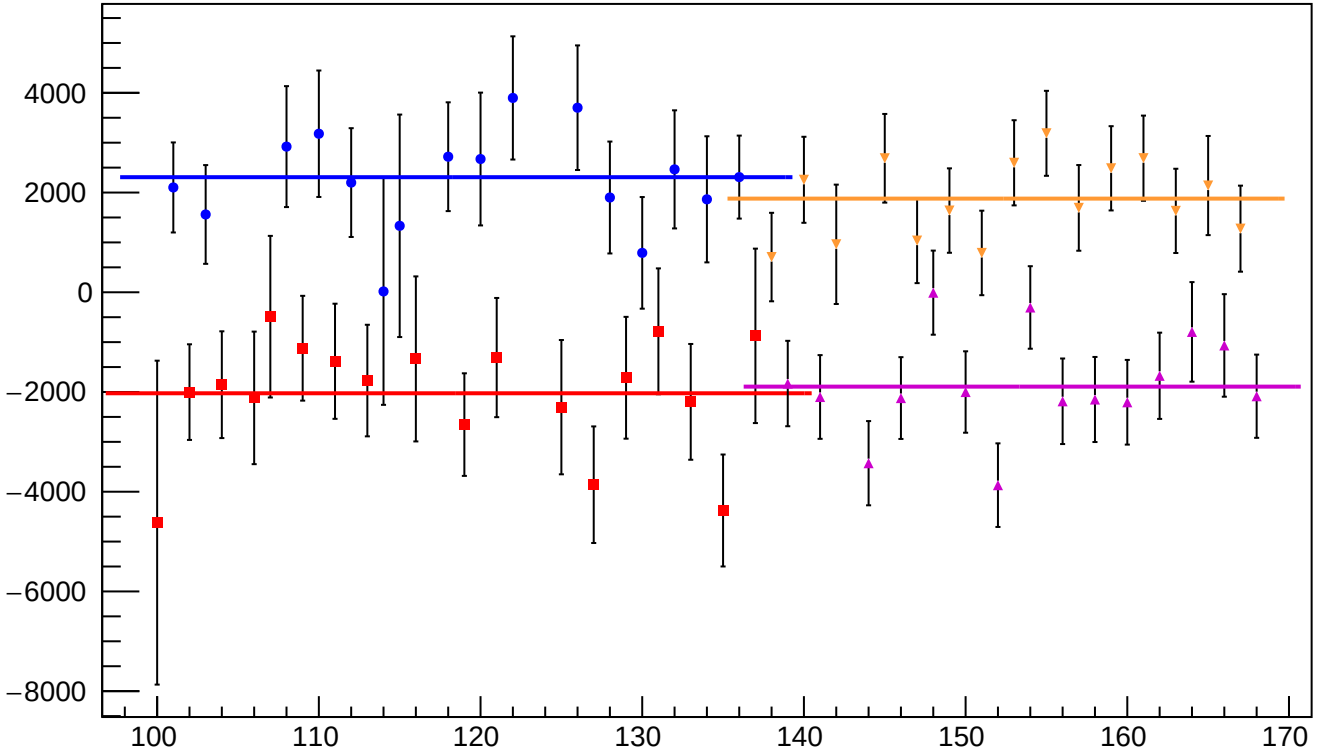
reg_asym_us_avg_mean vs Slug



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

Left Out: 1878.432+/-227.228 χ^2/NDF:11.2/14

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

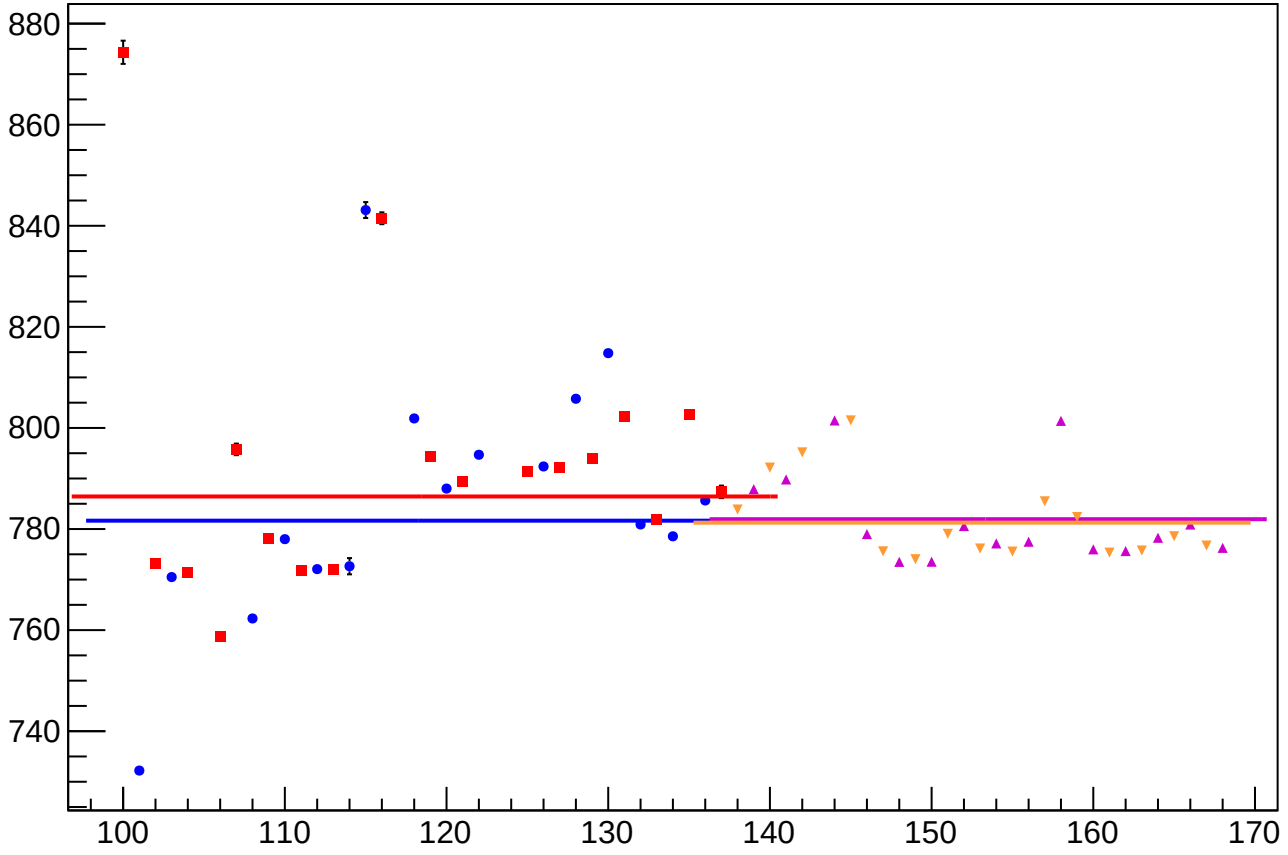
Left In: -1892.367+/-221.962 χ^2/NDF:20.0/14

+ sign 2041.597+/-178.963 χ^2/NDF: 20.4/30

All: 19.151+/-125.563 χ^2/NDF: 304.0/63

- sign -1941.638+/-176.214 χ^2/NDF: 32.1/32

reg_asym_us_avg_rms vs Slug



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

Left Out: 781.260+/-0.161 χ^2/NDF:2354.2/14

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

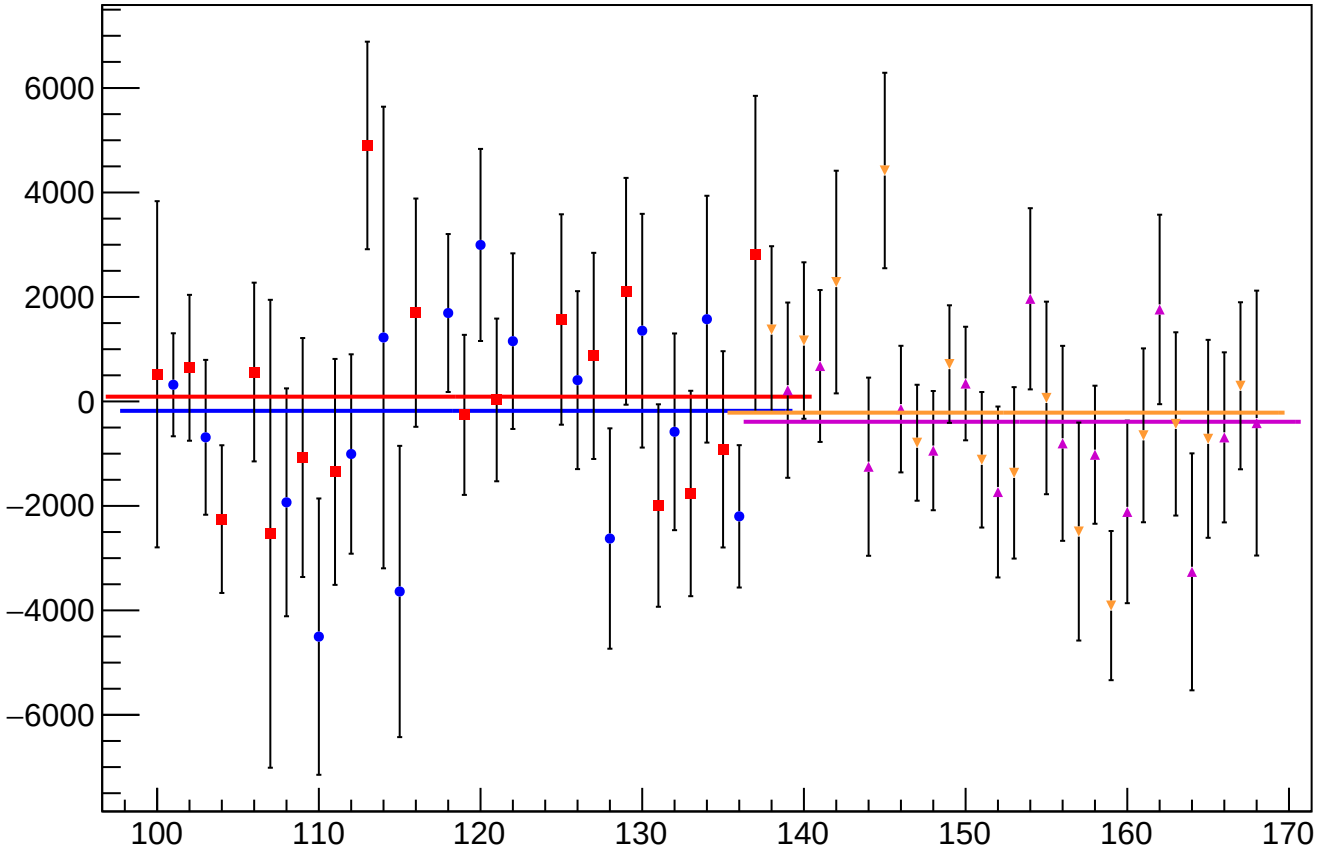
Left In: 781.949+/-0.157 χ^2/NDF:3272.1/14

+ sign 781.409+/-0.127 χ^2/NDF: 14675.6/30

All: 782.527+/-0.089 χ^2/NDF: 25606.0/63

- sign 783.611+/-0.125 χ^2/NDF: 10776.8/32

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: -214.767+/-399.011 χ^2/NDF:19.4/14

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

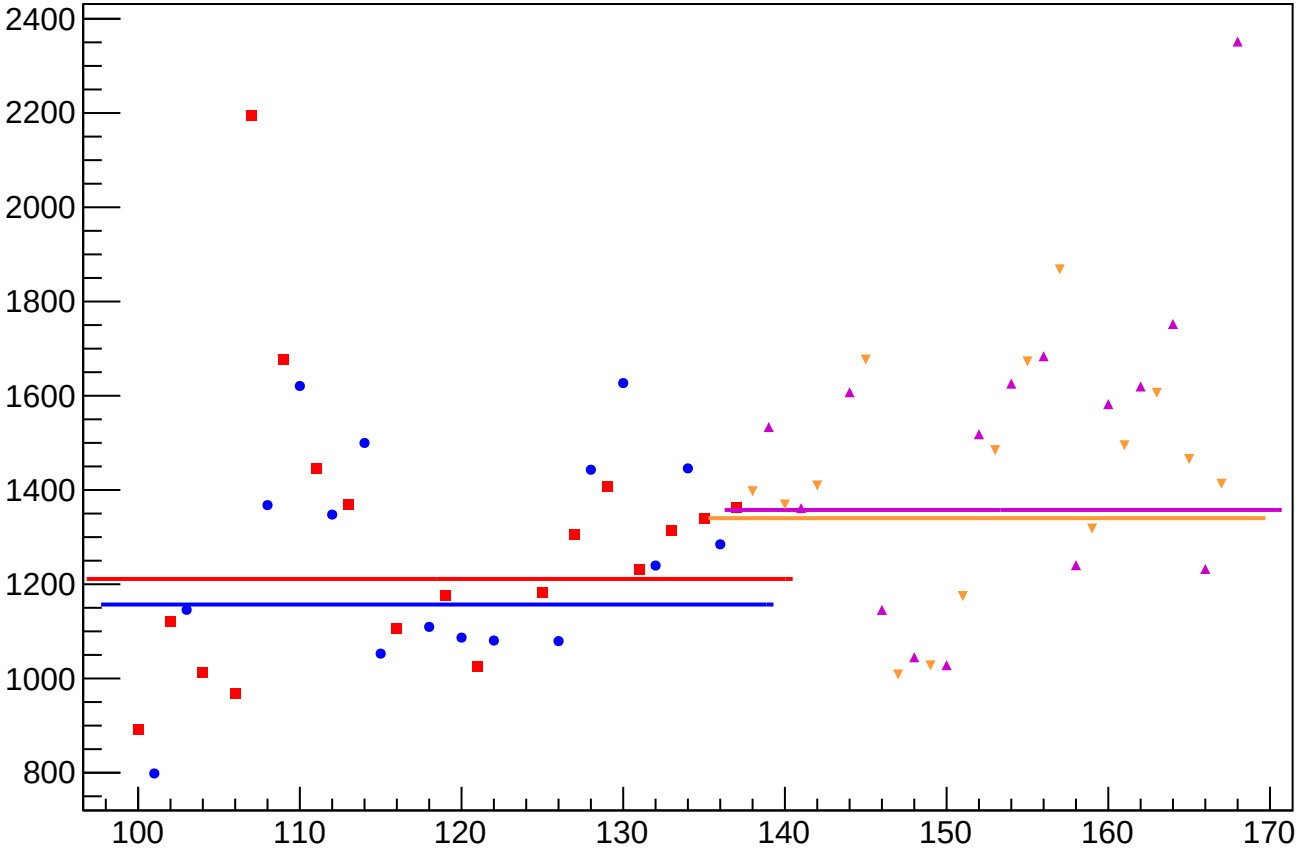
Left In: -389.389+/-395.556 χ^2/NDF:8.5/14

+ sign -199.076+/-295.808 χ^2/NDF: 34.8/30

All: -190.804+/-210.101 χ^2/NDF: 59.1/63

- sign -182.383+/-298.466 χ^2/NDF: 24.3/32

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1340.249+/-0.282 χ^2/NDF:720598.0/14

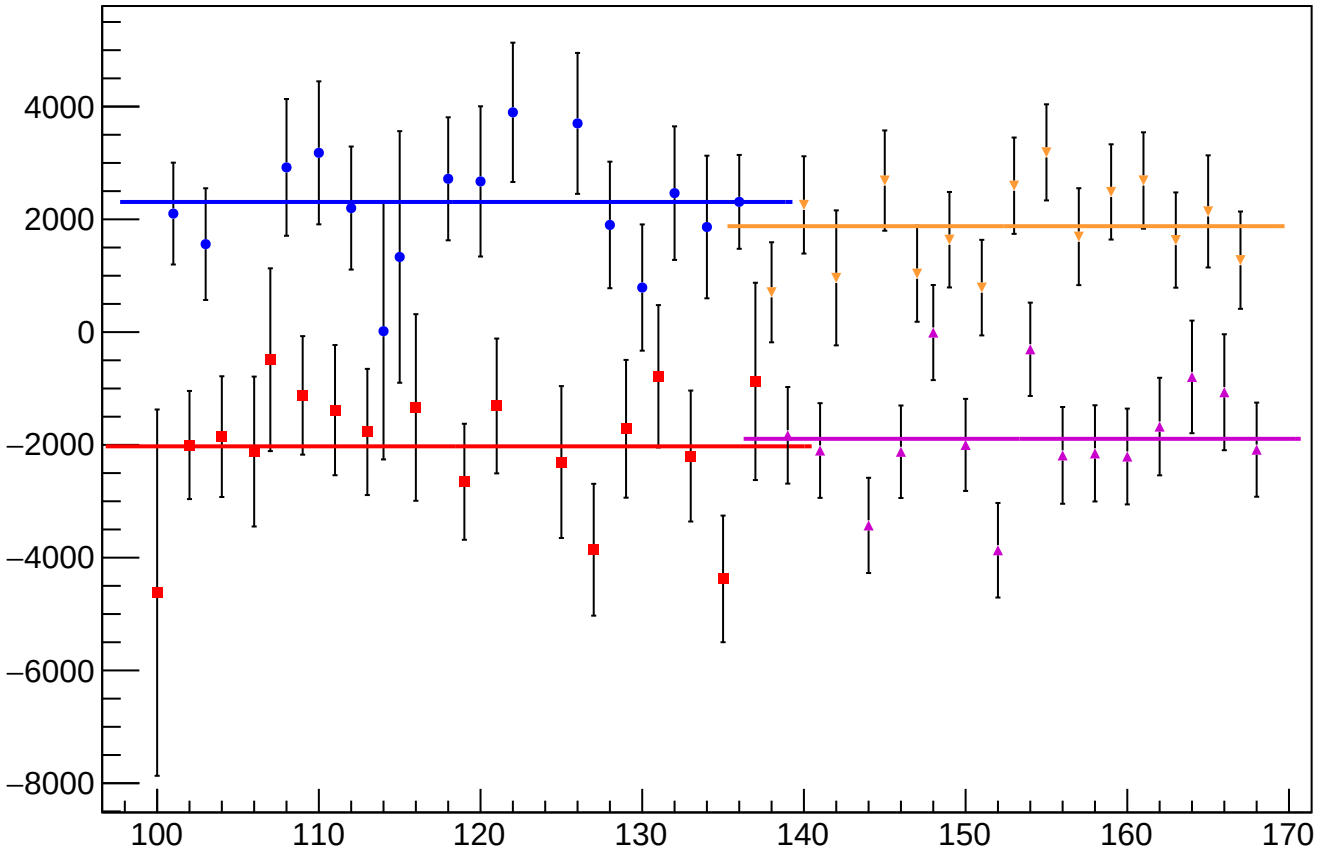
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1357.712+/-0.280 χ^2/NDF:1058340.1/14

+ sign 1257.691+/-0.209 χ^2/NDF: 1479817.4/30

All: 1276.002+/-0.149 χ^2/NDF: 3069399.3/63

- sign 1294.643+/-0.211 χ^2/NDF: 1574116.6/32



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

Left Out: 1878.432+/-227.228 χ^2/NDF:11.2/14

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

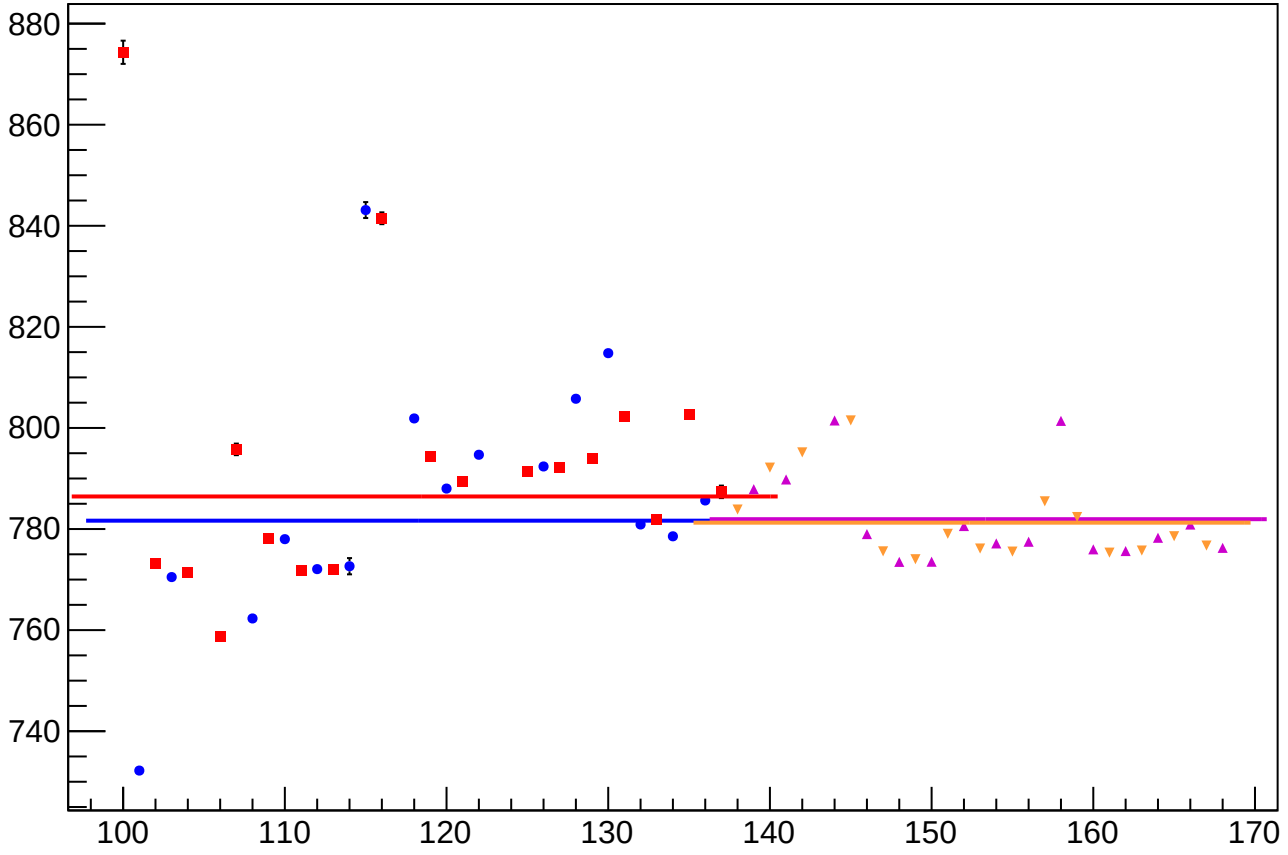
Left In: -1892.367+/-221.962 χ^2/NDF:20.0/14

+ sign 2041.597+/-178.963 χ^2/NDF: 20.4/30

All: 19.151+/-125.563 χ^2/NDF: 304.0/63

- sign -1941.638+/-176.214 χ^2/NDF: 32.1/32

cor_asym_us_avg_rms vs Slug



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

Left Out: 781.260+/-0.161 χ^2/NDF:2354.2/14

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

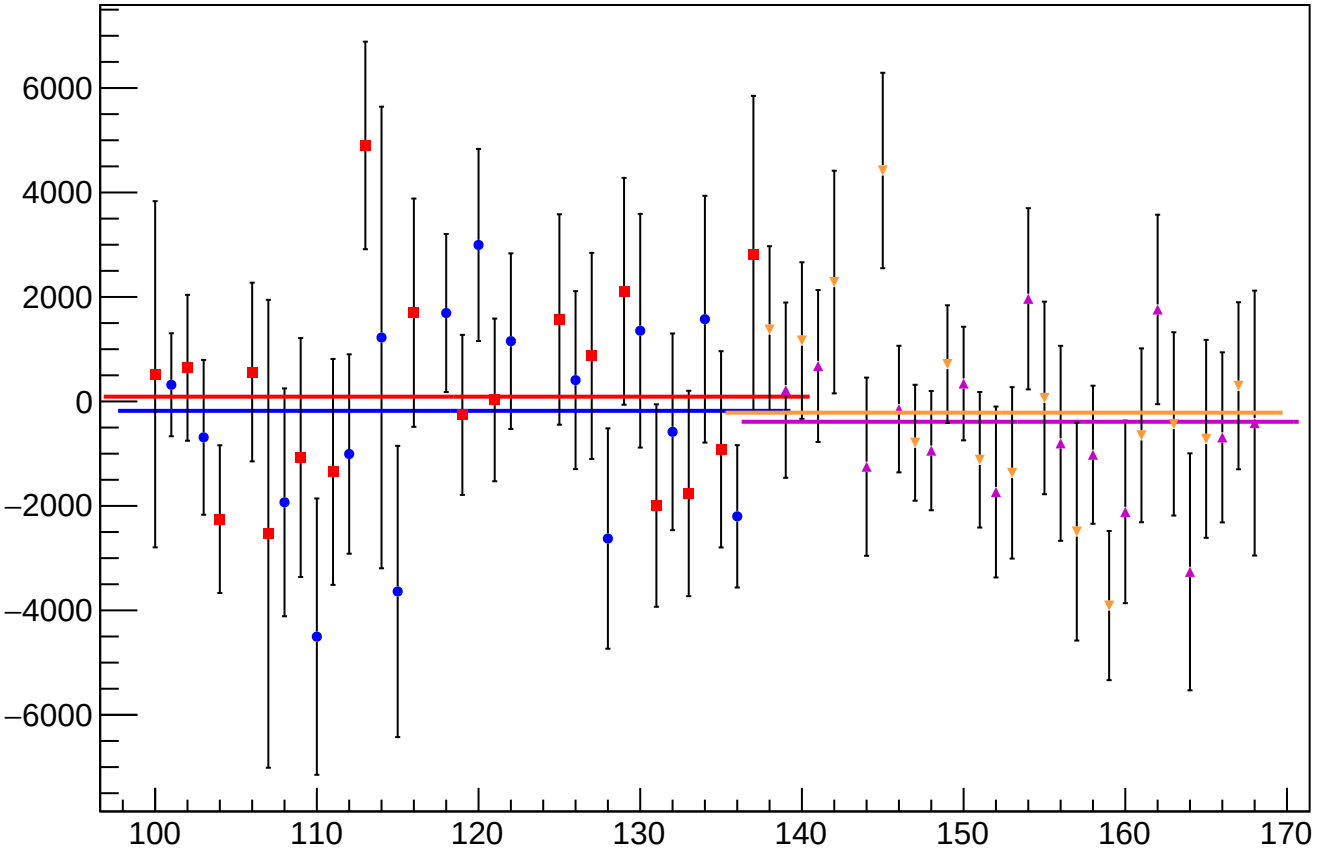
Left In: 781.949+/-0.157 χ^2/NDF:3272.1/14

+ sign 781.409+/-0.127 χ^2/NDF: 14675.6/30

All: 782.527+/-0.089 χ^2/NDF: 25606.0/63

- sign 783.611+/-0.125 χ^2/NDF: 10776.8/32

asym_us_avg_cor_correction_mean vs Slug



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

Left Out: -214.767+/-399.011 χ^2/NDF:19.4/14

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

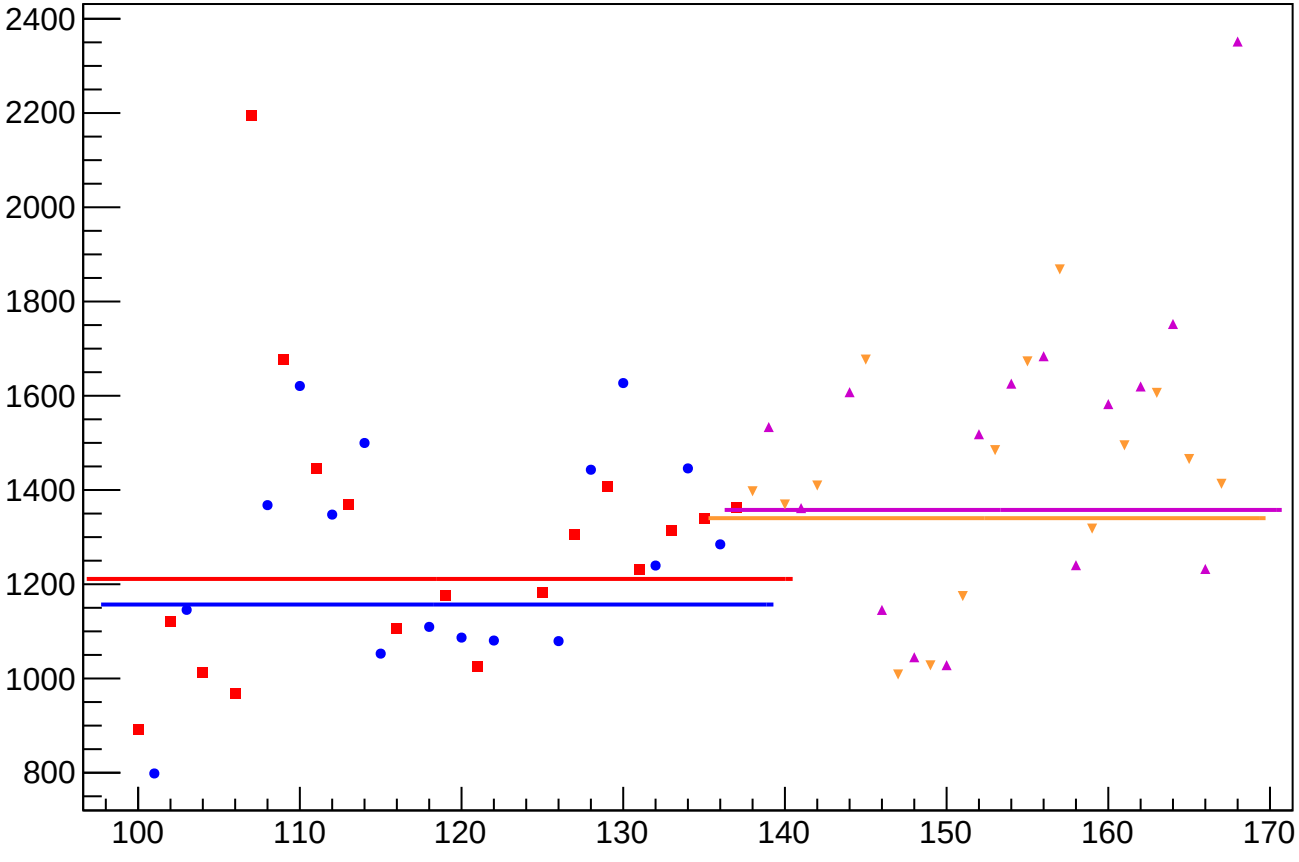
Left In: -389.389+/-395.556 χ^2/NDF:8.5/14

+ sign -199.076+/-295.808 χ^2/NDF: 34.8/30

All: -190.804+/-210.101 χ^2/NDF: 59.1/63

- sign -182.383+/-298.466 χ^2/NDF: 24.3/32

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1340.249+/-0.282 χ^2/NDF:720598.0/14

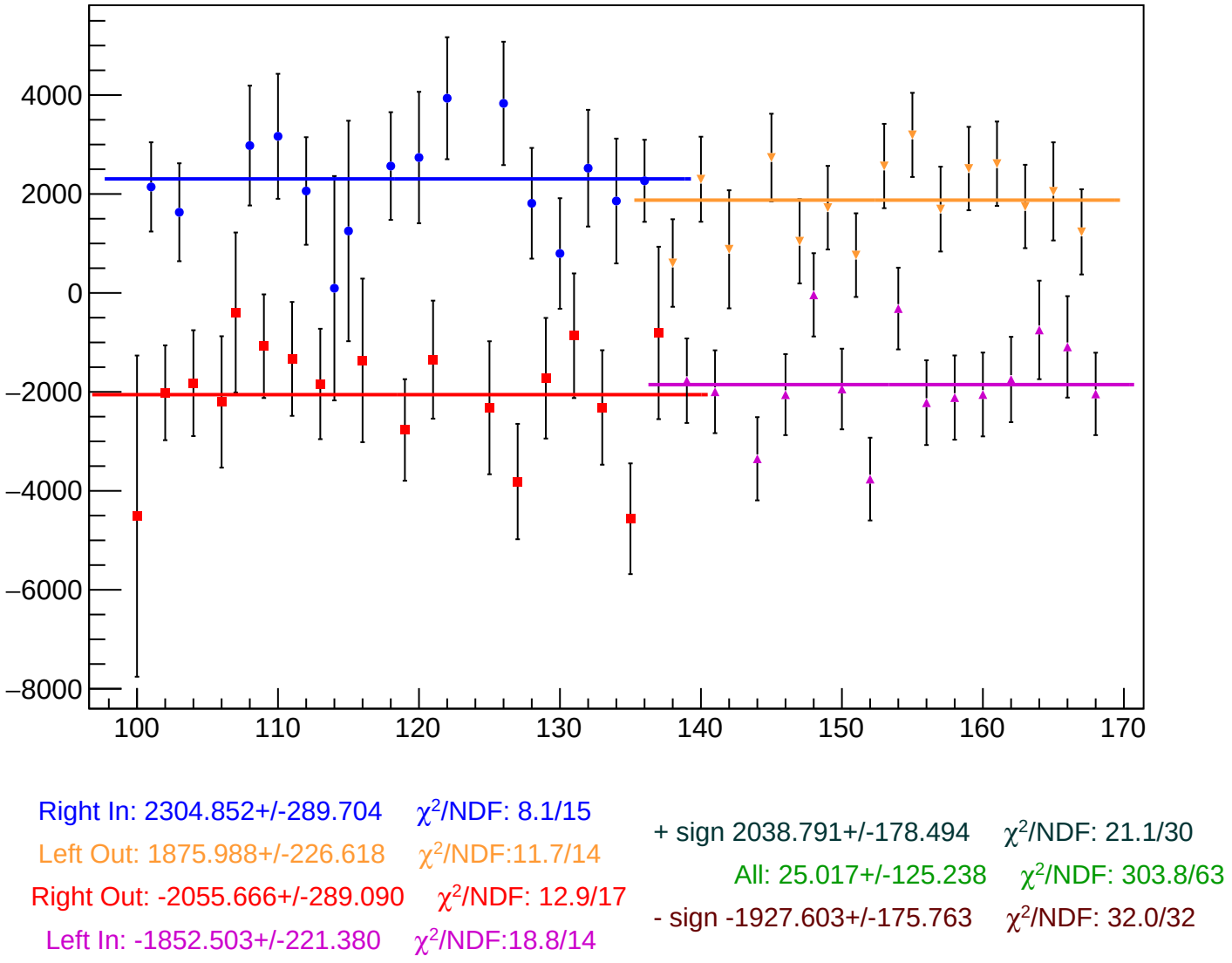
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1357.712+/-0.280 χ^2/NDF:1058340.1/14

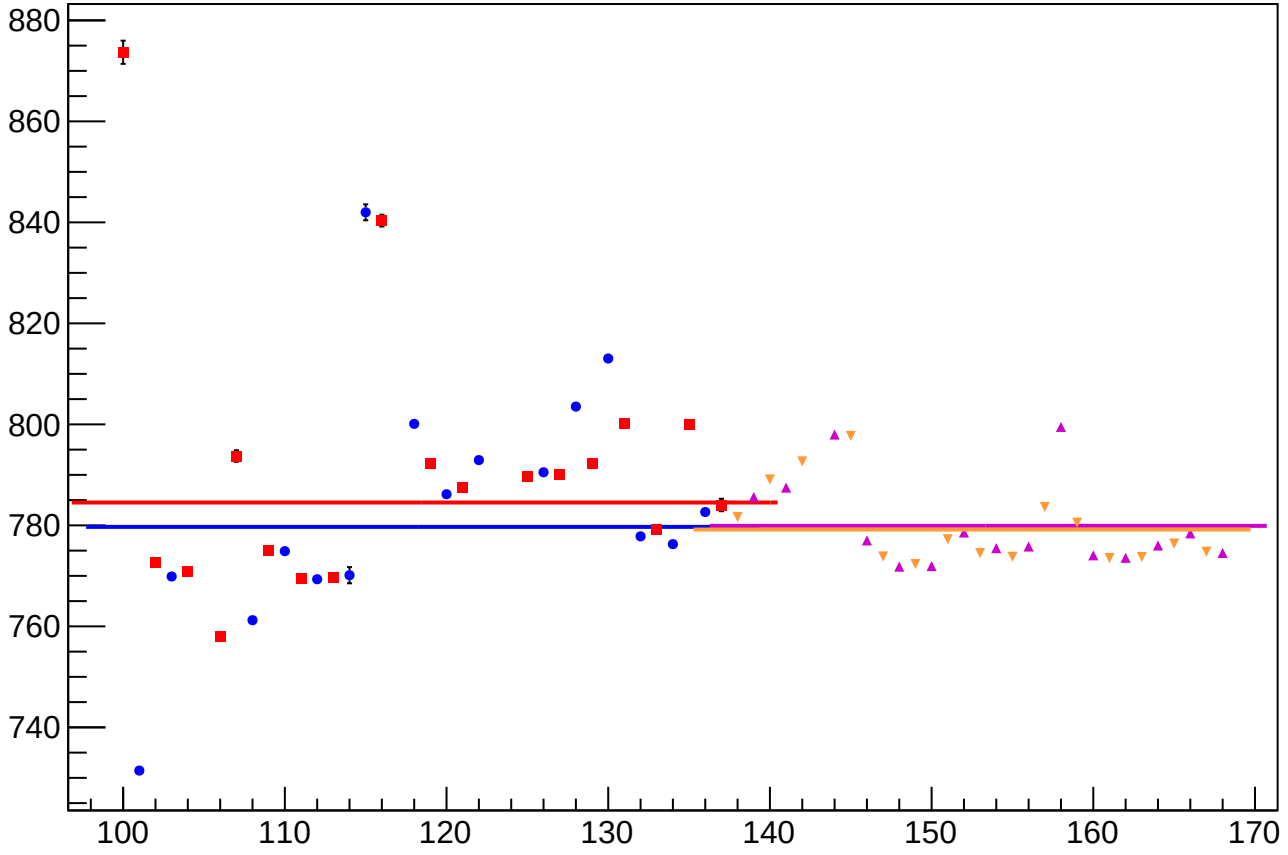
+ sign 1257.691+/-0.209 χ^2/NDF: 1479817.4/30

All: 1276.002+/-0.149 χ^2/NDF: 3069399.3/63

- sign 1294.643+/-0.211 χ^2/NDF: 1574116.6/32


overload_cor_asym_us_avg_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: 2304.852+/-289.704 χ²/NDF: 8.1/15
Left Out: 1875.988+/-226.618 χ²/NDF:11.7/14
Right Out: -2055.666+/-289.090 χ²/NDF: 12.9/17
Left In: -1852.503+/-221.380 χ²/NDF:18.8/14
+ sign 2038.791+/-178.494 χ²/NDF: 21.1/30
All: 25.017+/-125.238 χ²/NDF: 303.8/63
- sign -1927.603+/-175.763 χ²/NDF: 32.0/32

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 779.173+/-0.160 χ^2/NDF:2073.4/14

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

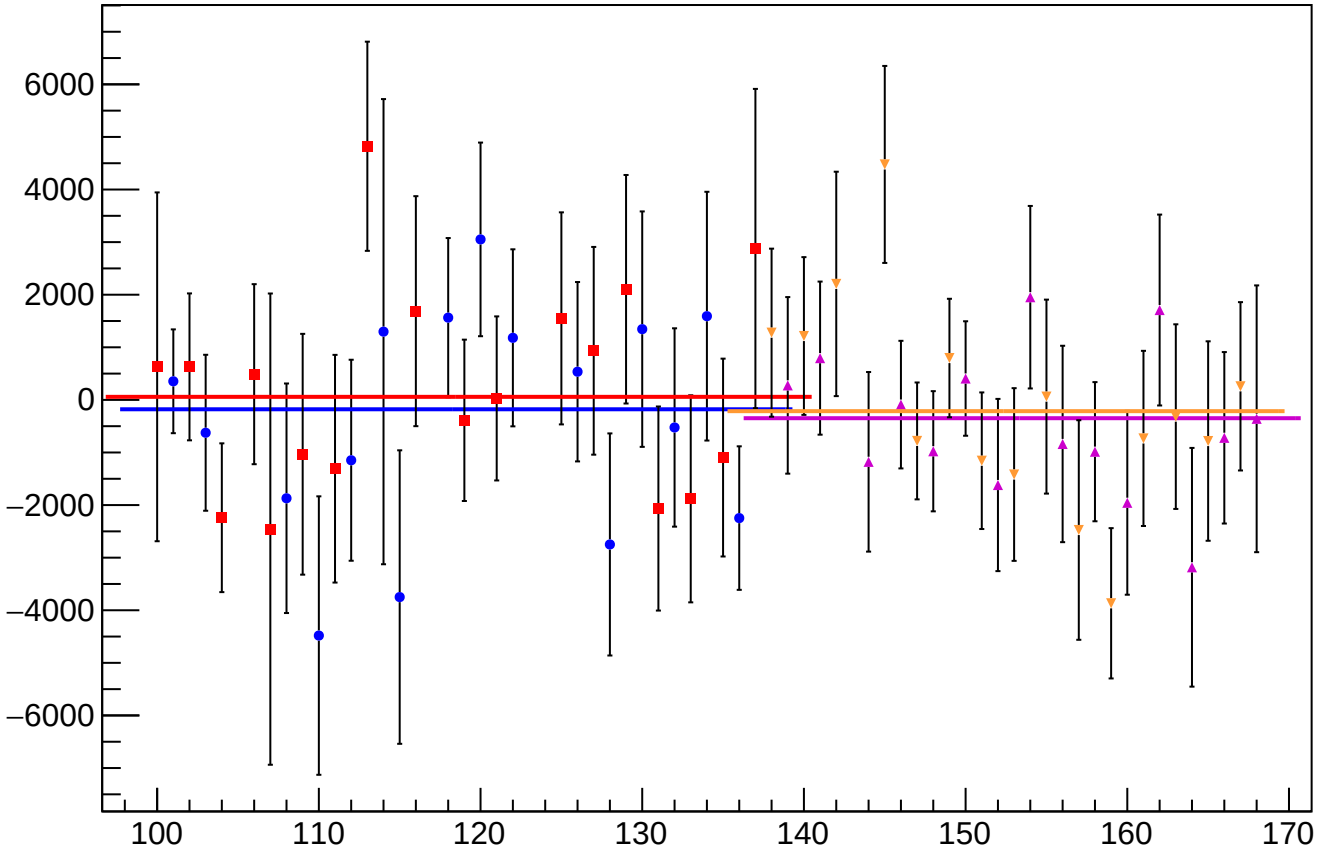
Left In: 779.902+/-0.157 χ^2/NDF:3065.4/14

+ sign 779.374+/-0.126 χ^2/NDF: 14137.7/30

All: 780.510+/-0.089 χ^2/NDF: 24844.9/63

- sign 781.611+/-0.124 χ^2/NDF: 10547.7/32

asym_us_avg_overload_cor_correction_mean vs Slug



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

Left Out: -214.213+/-399.393 χ^2/NDF:19.5/14

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

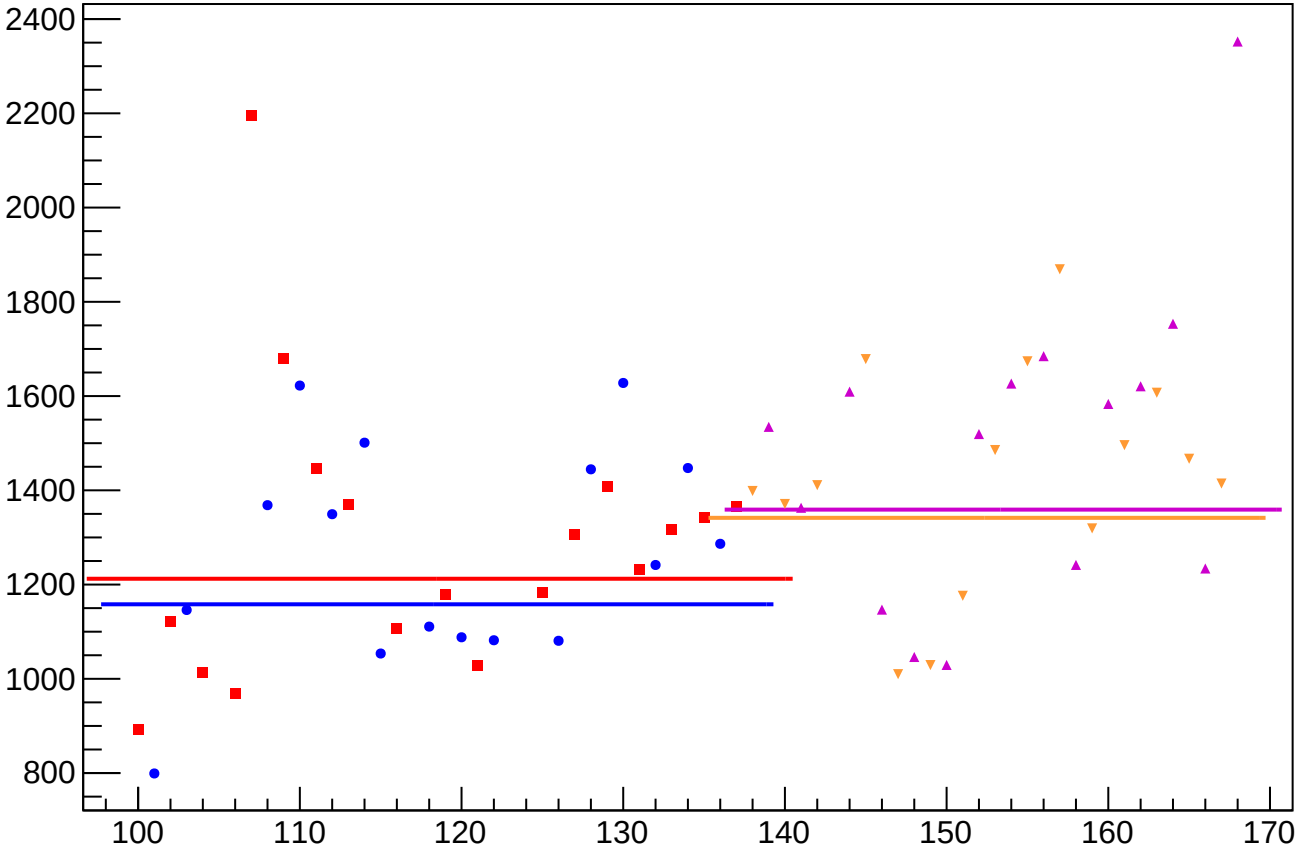
Left In: -348.225+/-395.922 χ^2/NDF:8.2/14

+ sign -198.110+/-296.099 χ^2/NDF: 35.2/30

All: -185.794+/-210.301 χ^2/NDF: 59.1/63

- sign -173.258+/-298.739 χ^2/NDF: 23.9/32

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1341.614+/-0.282 χ^2/NDF:718699.8/14

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

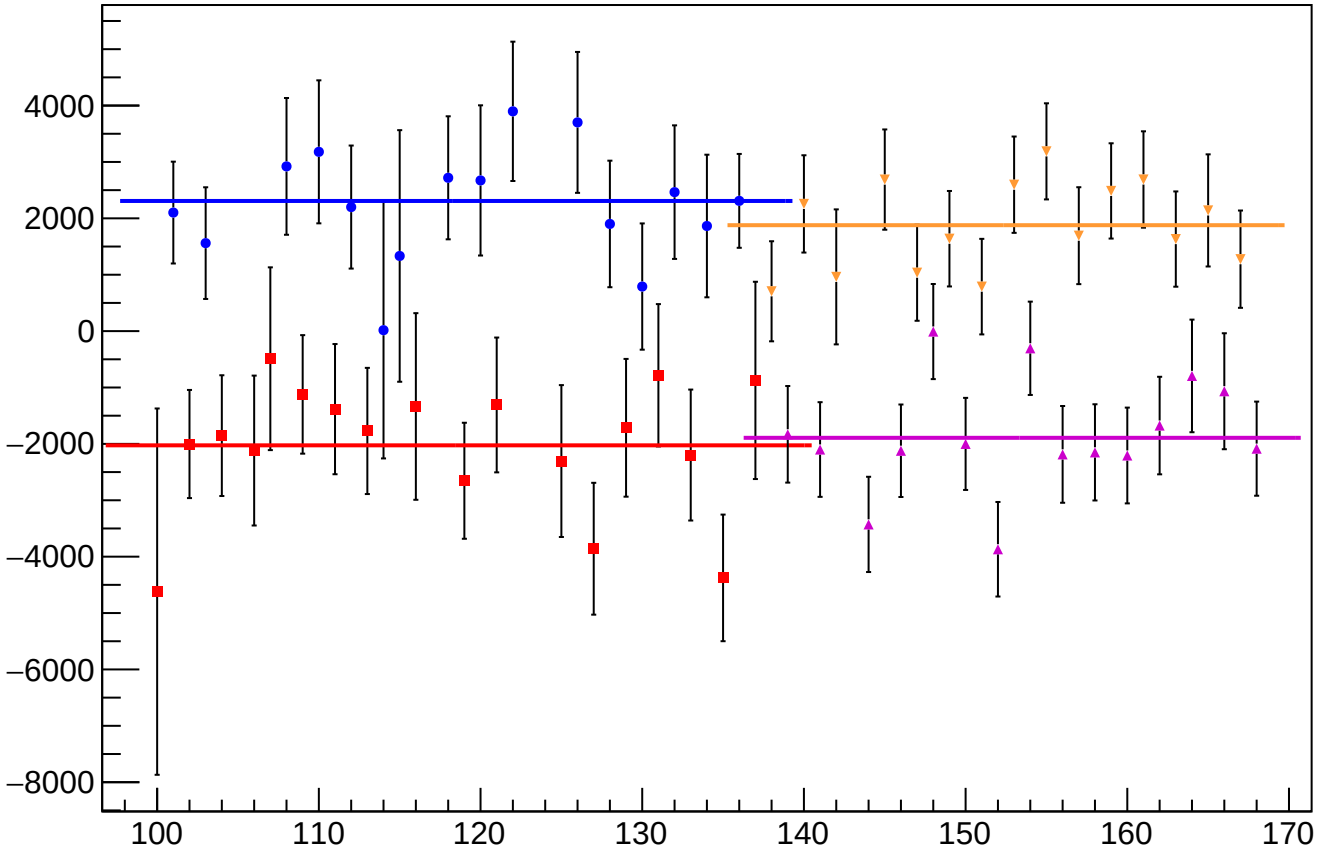
Left In: 1359.052+/-0.280 χ^2/NDF:1055929.8/14

+ sign 1258.980+/-0.209 χ^2/NDF: 1477940.9/30

All: 1277.261+/-0.149 χ^2/NDF: 3065455.7/63

- sign 1295.870+/-0.211 χ^2/NDF: 1572130.8/32

eigen_cor_asym_us_avg_mean vs Slug



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

Left Out: 1878.432+/-227.228 χ^2/NDF:11.2/14

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

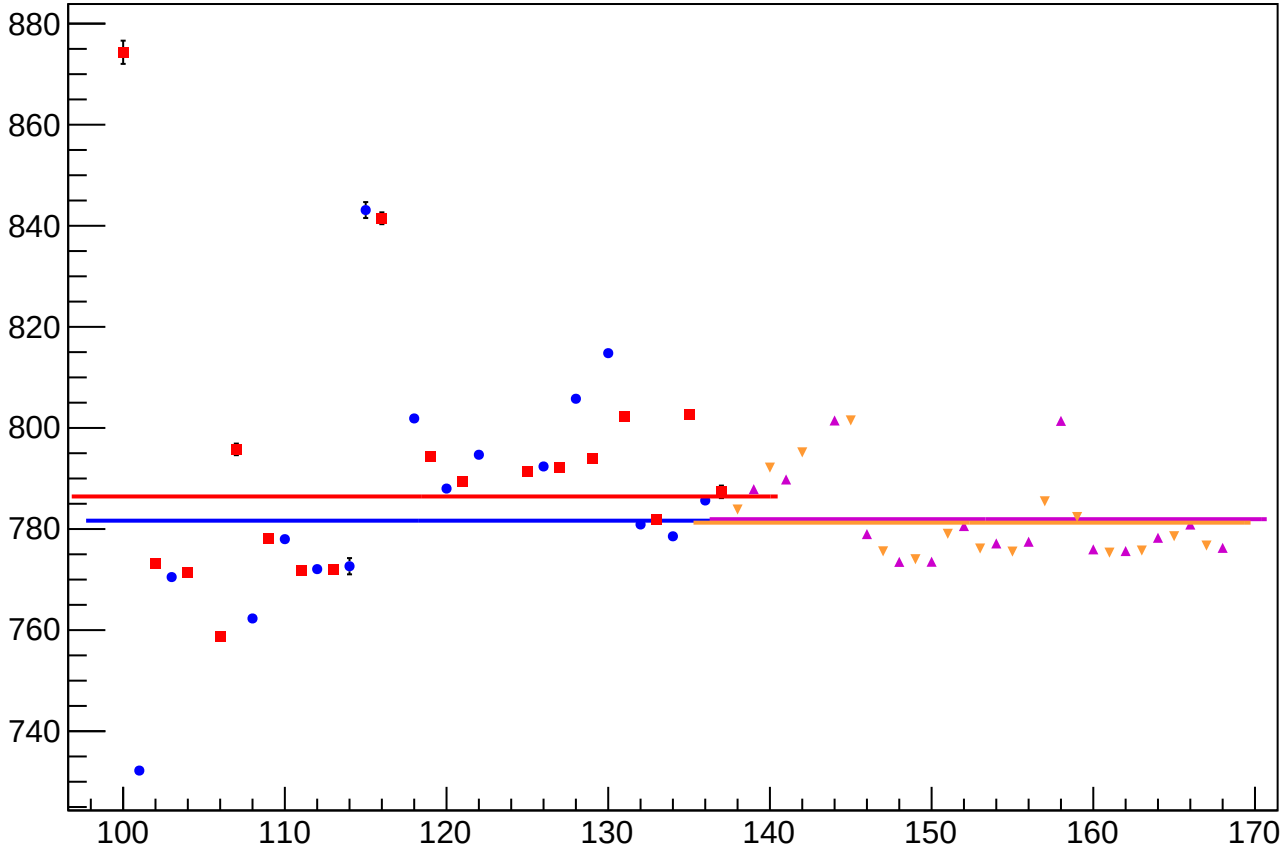
Left In: -1892.367+/-221.962 χ^2/NDF:20.0/14

+ sign 2041.597+/-178.963 χ^2/NDF: 20.4/30

All: 19.151+/-125.563 χ^2/NDF: 304.0/63

- sign -1941.638+/-176.214 χ^2/NDF: 32.1/32

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 781.260+/-0.161 χ^2/NDF:2354.2/14

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

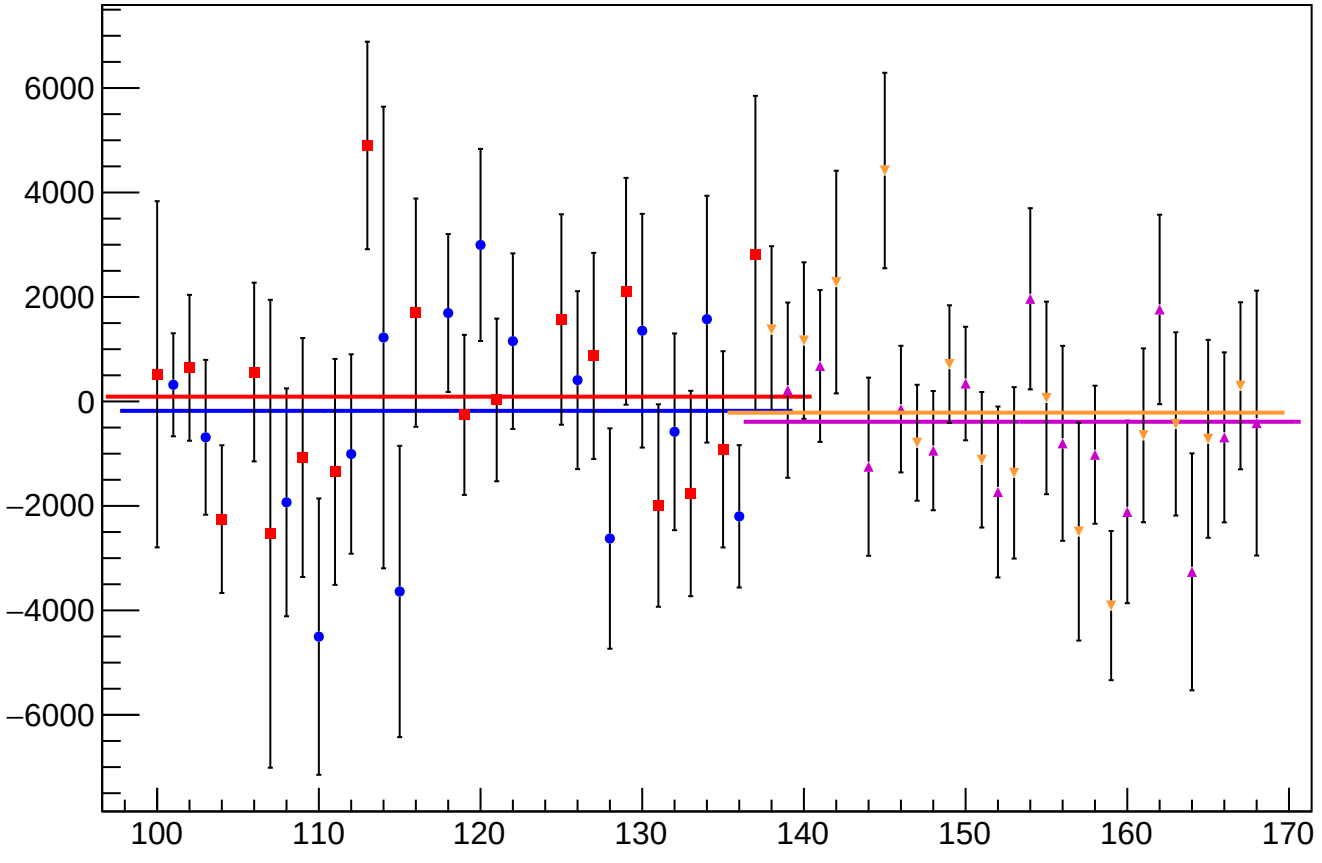
Left In: 781.949+/-0.157 χ^2/NDF:3272.1/14

+ sign 781.409+/-0.127 χ^2/NDF: 14675.6/30

All: 782.527+/-0.089 χ^2/NDF: 25606.0/63

- sign 783.611+/-0.125 χ^2/NDF: 10776.8/32

asym_us_avg_eigen_cor_correction_mean vs Slug



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

Left Out: -214.767+/-399.011 χ^2/NDF:19.4/14

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

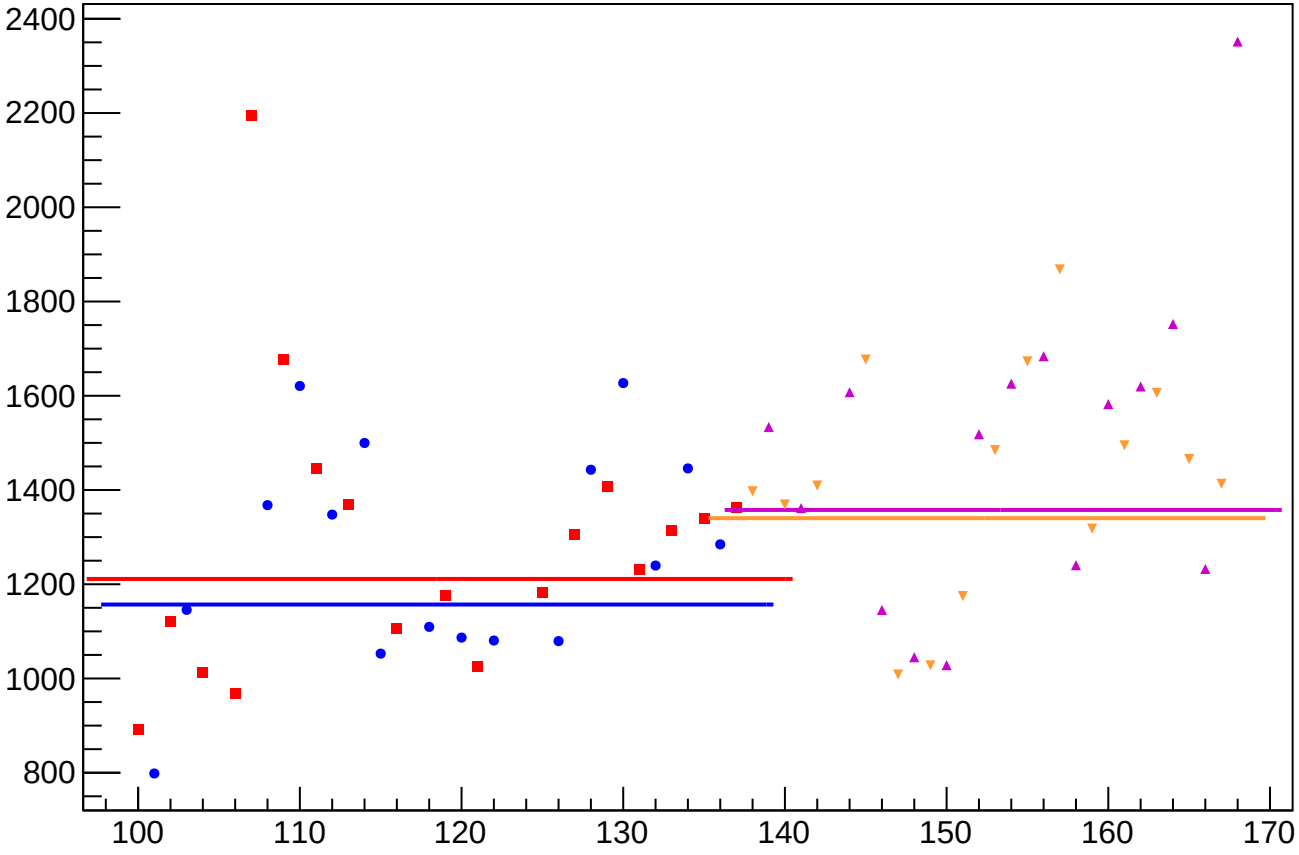
Left In: -389.389+/-395.556 χ^2/NDF:8.5/14

+ sign -199.076+/-295.808 χ^2/NDF: 34.8/30

All: -190.804+/-210.101 χ^2/NDF: 59.1/63

- sign -182.383+/-298.466 χ^2/NDF: 24.3/32

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Left Out: 1340.249+/-0.282 χ^2/NDF:720598.0/14

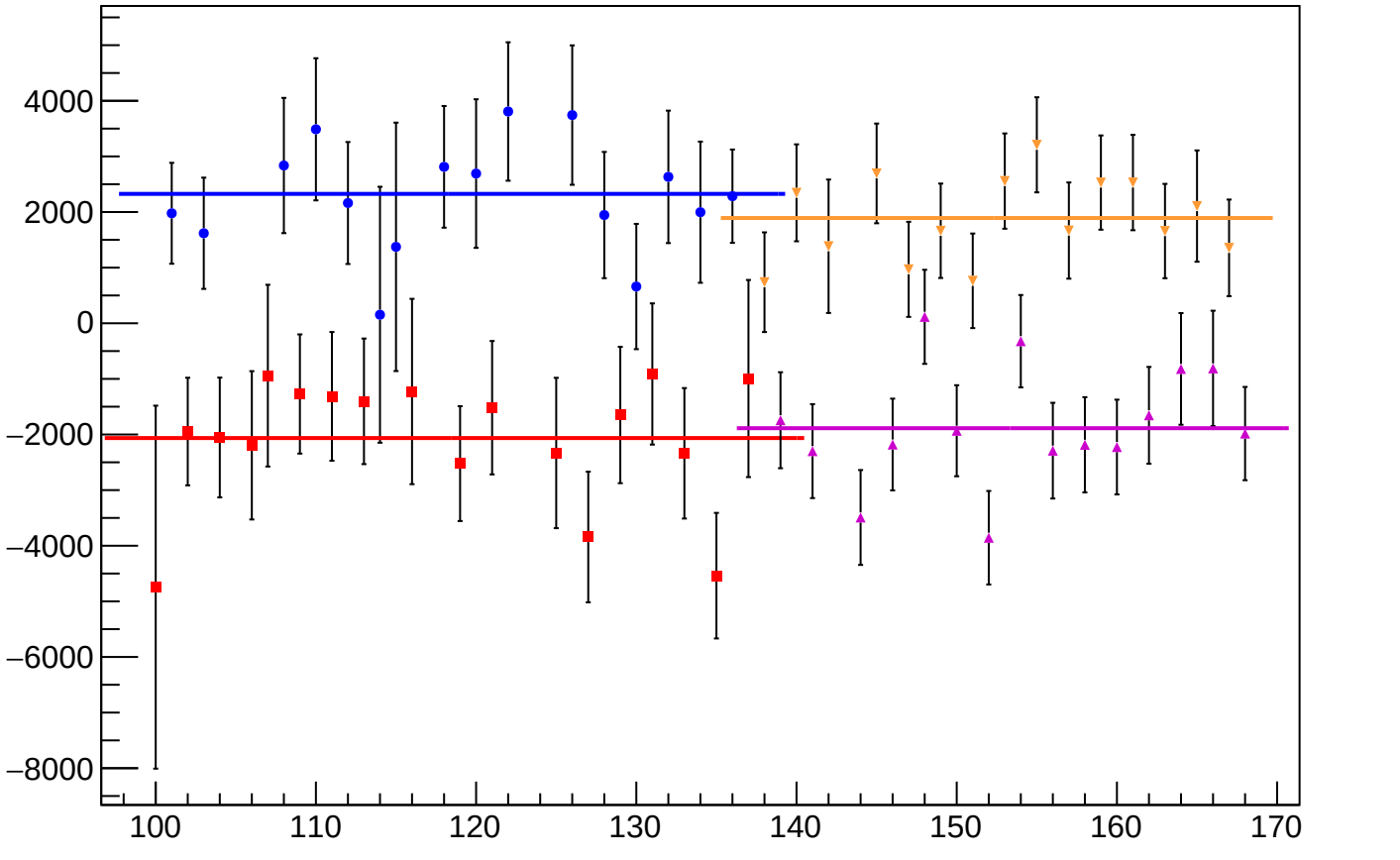
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1357.712+/-0.280 χ^2/NDF:1058340.1/14

+ sign 1257.691+/-0.209 χ^2/NDF: 1479817.4/30

All: 1276.002+/-0.149 χ^2/NDF: 3069399.3/63

- sign 1294.643+/-0.211 χ^2/NDF: 1574116.6/32



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

Left Out: 1892.302+/-228.376 χ^2/NDF:10.6/14

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

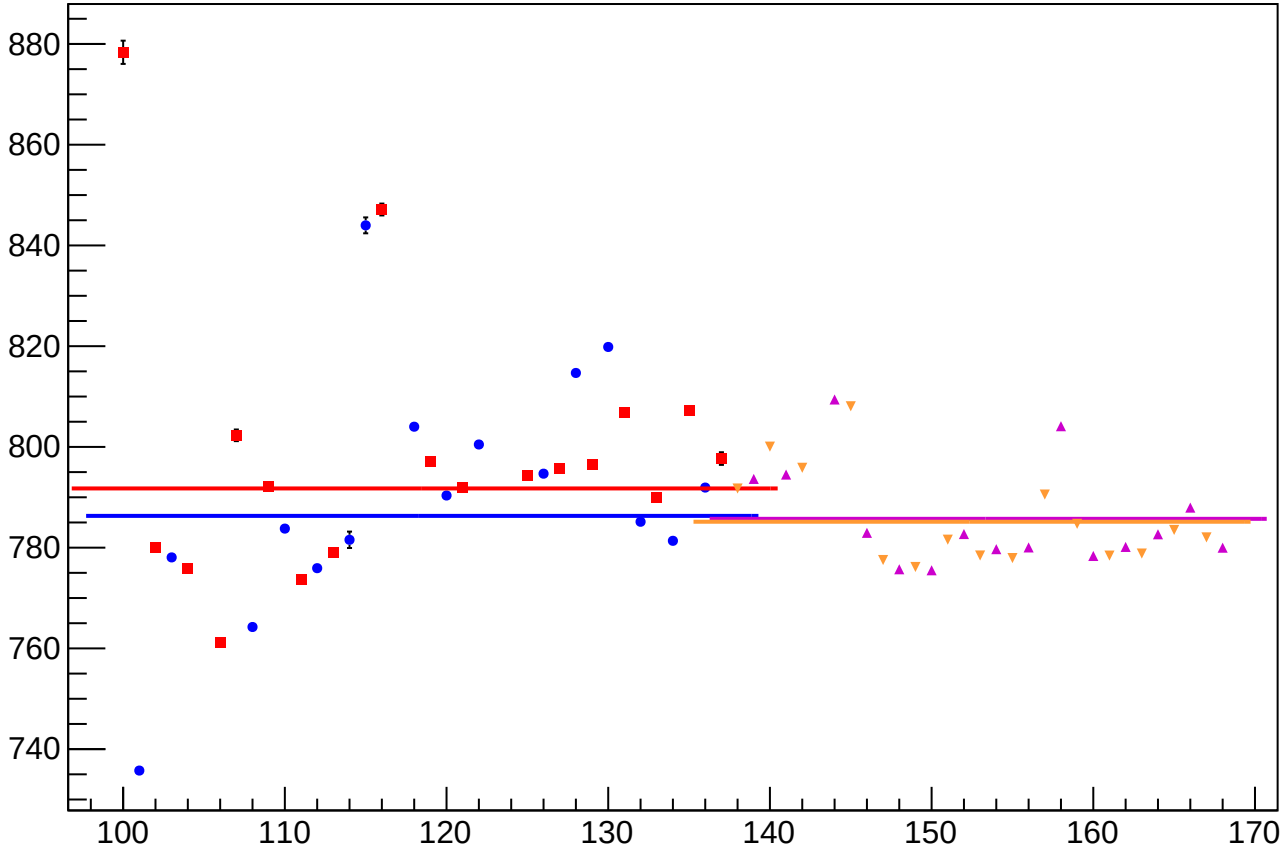
Left In: -1886.859+/-223.044 χ^2/NDF:21.4/14

+ sign 2056.946+/-179.932 χ^2/NDF: 20.1/30

All: 21.754+/-126.255 χ^2/NDF: 305.3/63

- sign -1952.181+/-177.203 χ^2/NDF: 33.2/32

dit_asym_us_avg_rms vs Slug



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

Left Out: 785.146+/-0.161 χ^2/NDF:3185.1/14

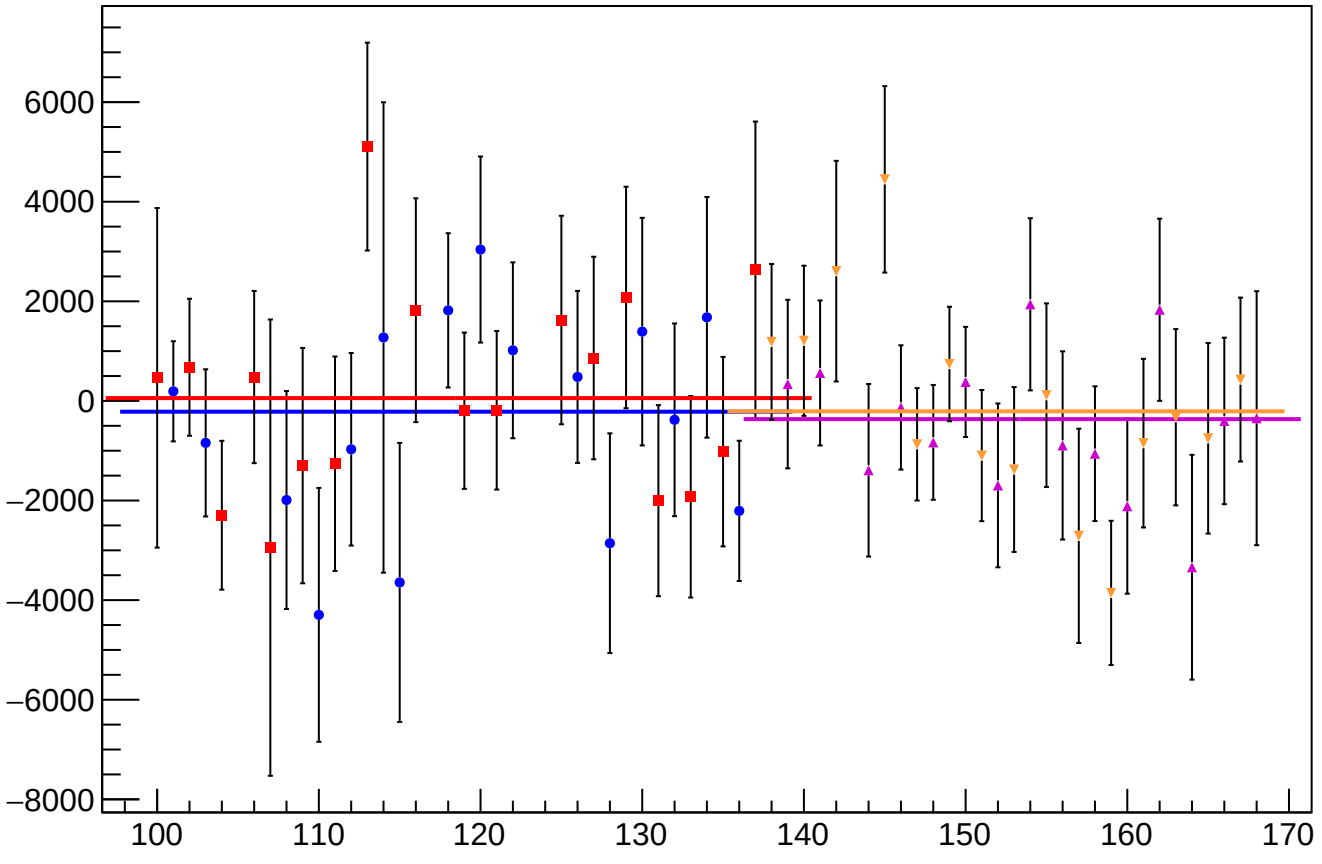
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 785.724+/-0.158 χ^2/NDF:4036.3/14

+ sign 785.587+/-0.127 χ^2/NDF: 15775.9/30

All: 786.786+/-0.089 χ^2/NDF: 27541.7/63

- sign 787.949+/-0.125 χ^2/NDF: 11590.9/32



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

Left Out: -208.742+/-404.238 χ^2/NDF:19.6/14

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

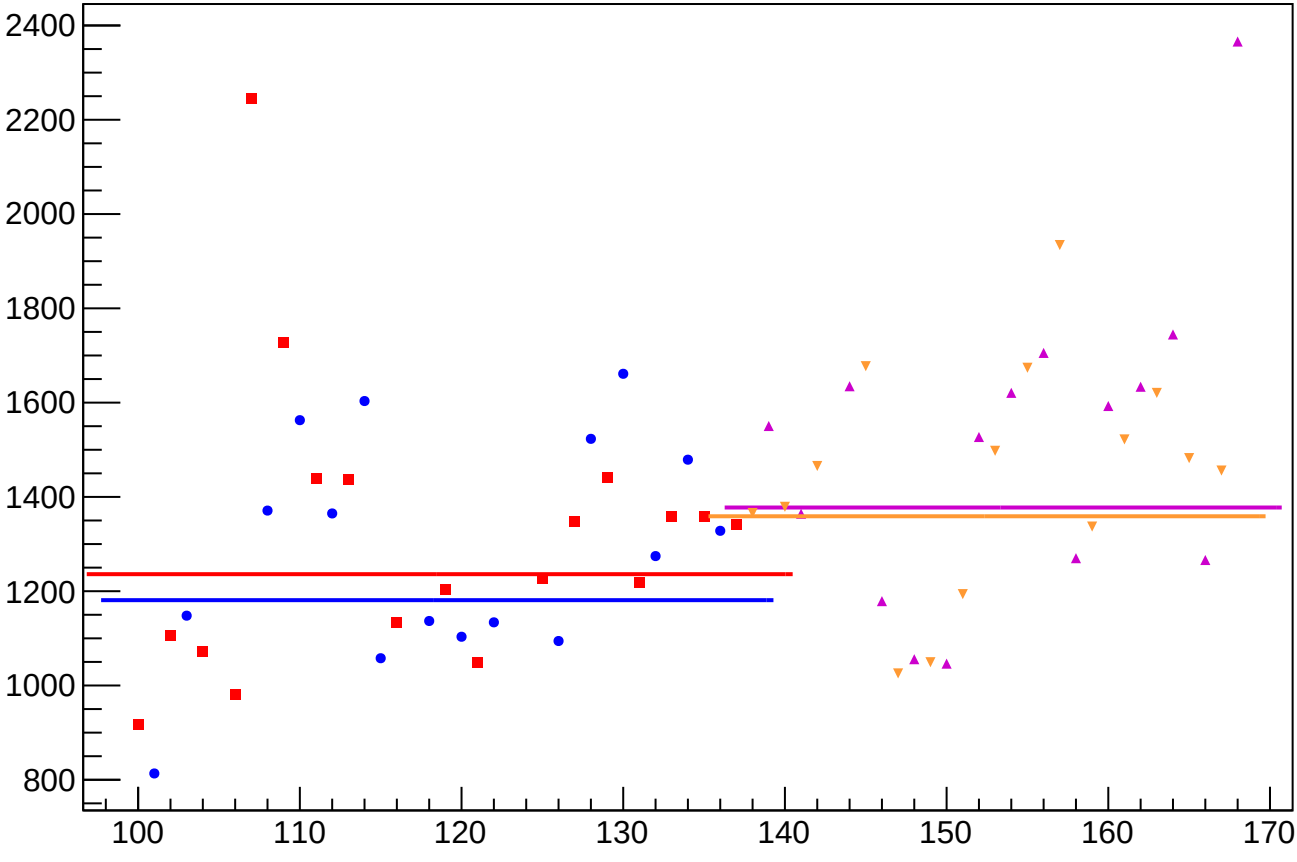
Left In: -365.515+/-400.708 χ^2/NDF:8.5/14

+ sign -212.069+/-300.582 χ^2/NDF: 34.8/30

All: -198.705+/-213.486 χ^2/NDF: 59.0/63

- sign -185.101+/-303.265 χ^2/NDF: 24.1/32

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1358.938+/-0.286 χ^2/NDF:707511.5/14

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

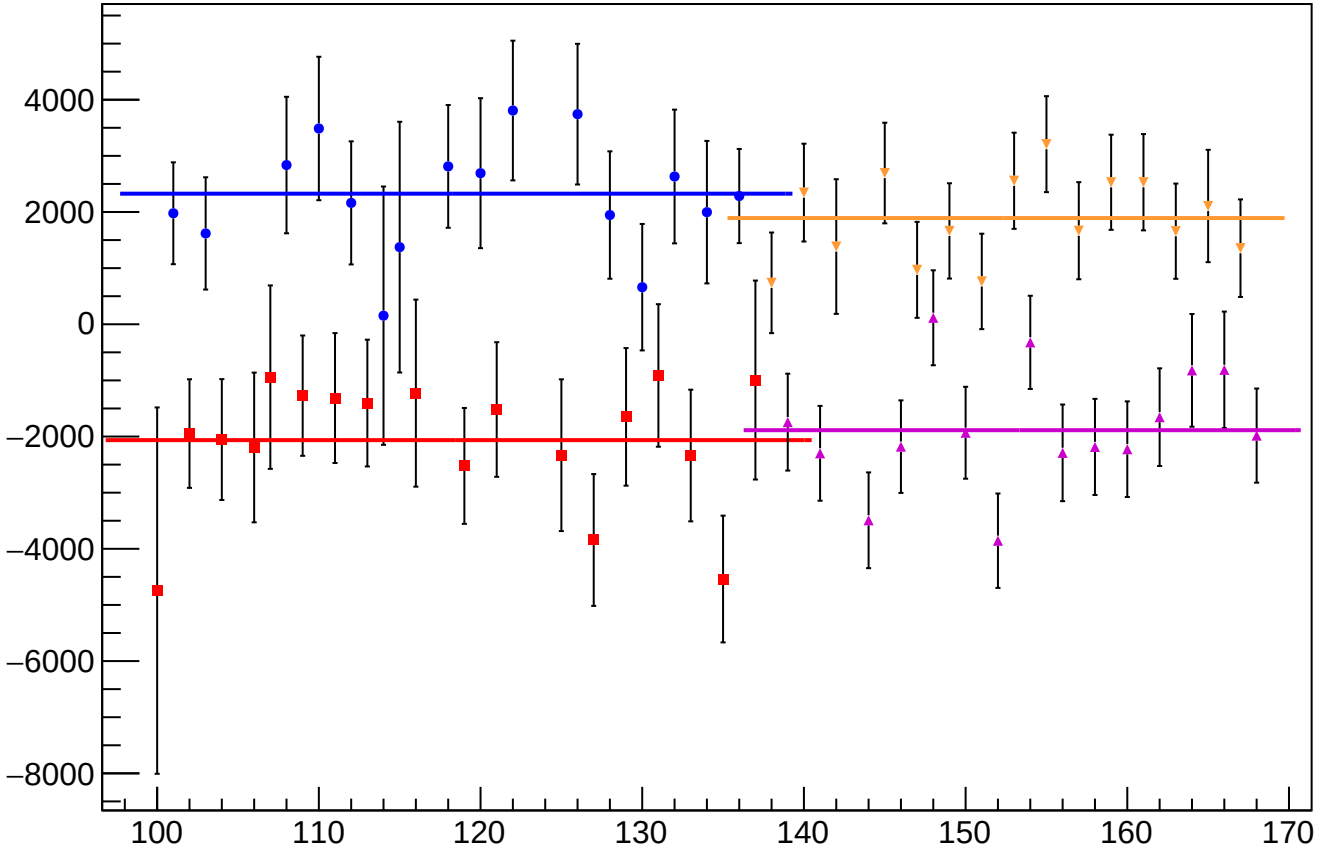
Left In: 1377.521+/-0.283 χ^2/NDF:1011446.6/14

+ sign 1279.382+/-0.213 χ^2/NDF: 1451880.3/30

All: 1298.083+/-0.151 χ^2/NDF: 2982565.1/63

- sign 1317.118+/-0.214 χ^2/NDF: 1515064.3/32

eigen_dit_asym_us_avg_mean vs Slug



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

Left Out: 1892.298+/-228.376 χ^2/NDF:10.6/14

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

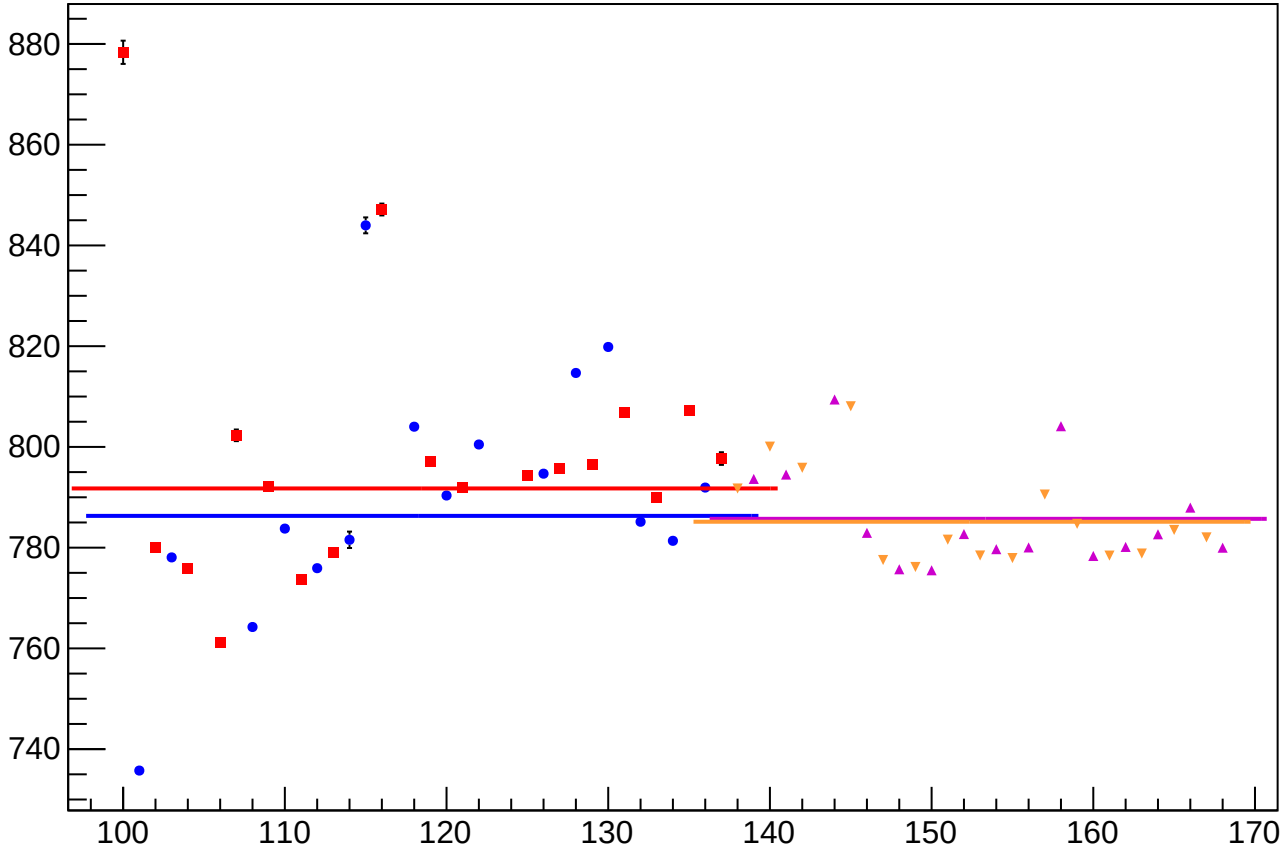
Left In: -1886.860+/-223.044 χ^2/NDF:21.4/14

+ sign 2056.943+/-179.932 χ^2/NDF: 20.1/30

All: 21.753+/-126.255 χ^2/NDF: 305.3/63

- sign -1952.182+/-177.203 χ^2/NDF: 33.2/32

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 785.146+/-0.161 χ^2/NDF:3185.1/14

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

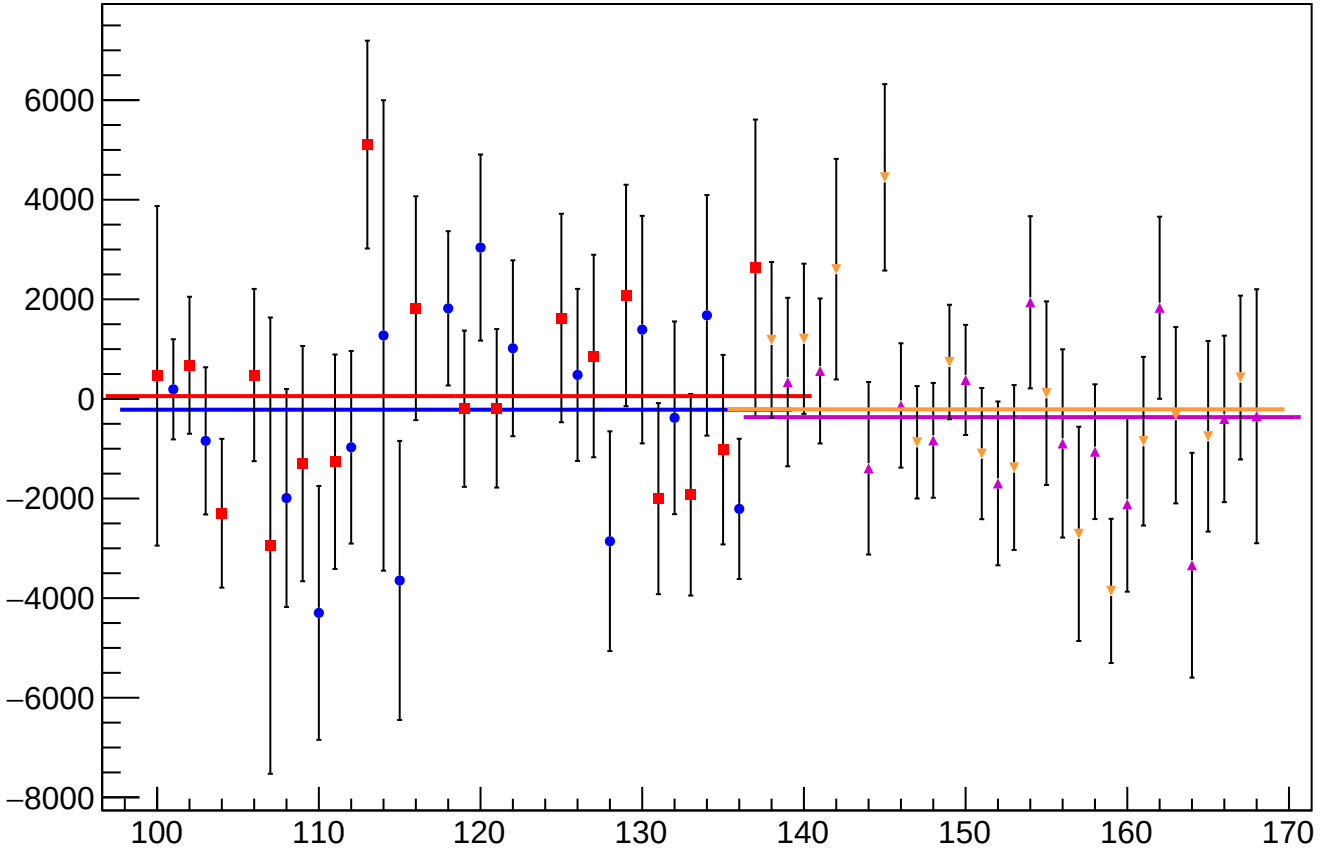
Left In: 785.724+/-0.158 χ^2/NDF:4036.3/14

+ sign 785.587+/-0.127 χ^2/NDF: 15775.8/30

All: 786.786+/-0.089 χ^2/NDF: 27541.6/63

- sign 787.949+/-0.125 χ^2/NDF: 11590.9/32

asym_us_avg_eigen_dit_correction_mean vs Slug



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

Left Out: -208.746+/-404.239 χ^2/NDF:19.6/14

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

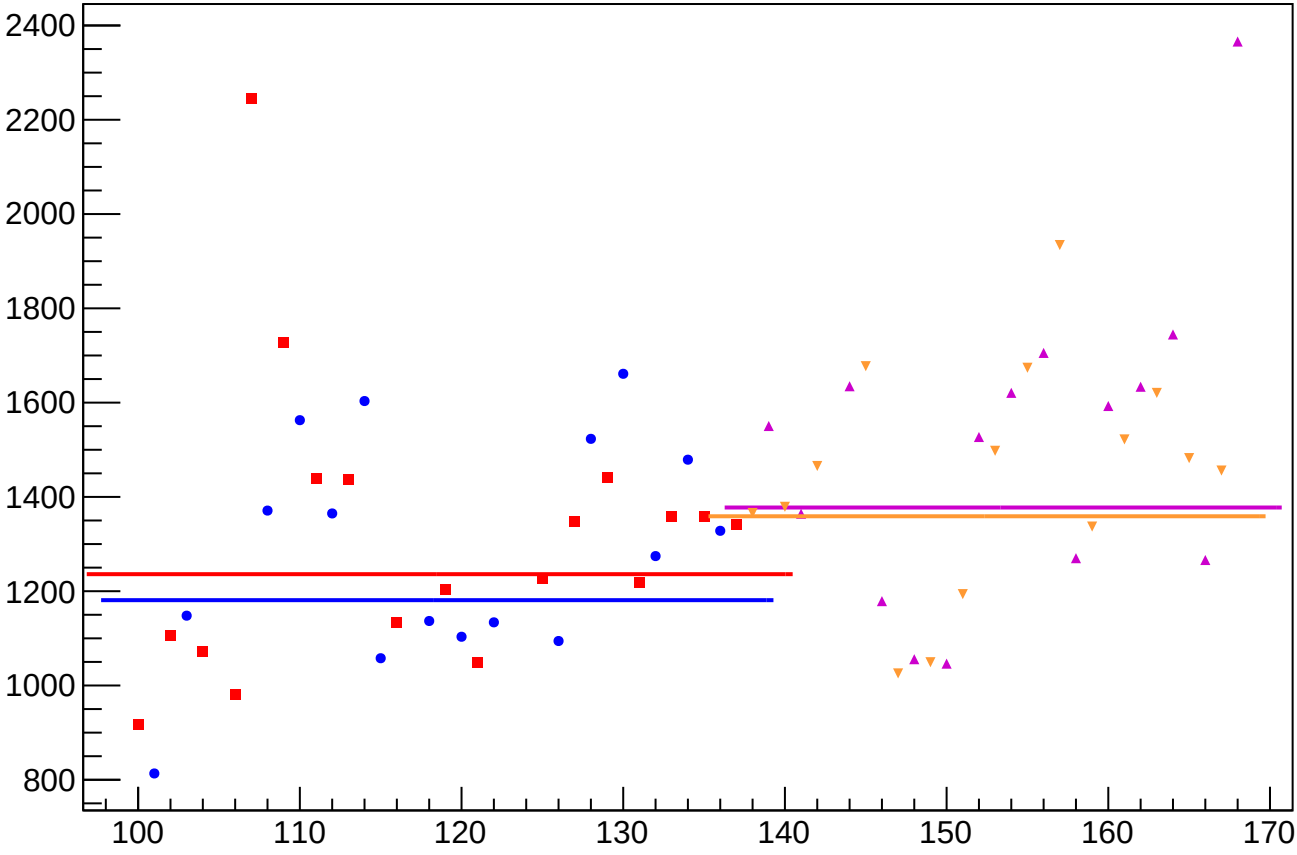
Left In: -365.516+/-400.709 χ^2/NDF:8.5/14

+ sign -212.071+/-300.582 χ^2/NDF: 34.8/30

All: -198.706+/-213.486 χ^2/NDF: 59.0/63

- sign -185.101+/-303.265 χ^2/NDF: 24.1/32

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1358.941+/-0.286 χ^2/NDF:707513.5/14

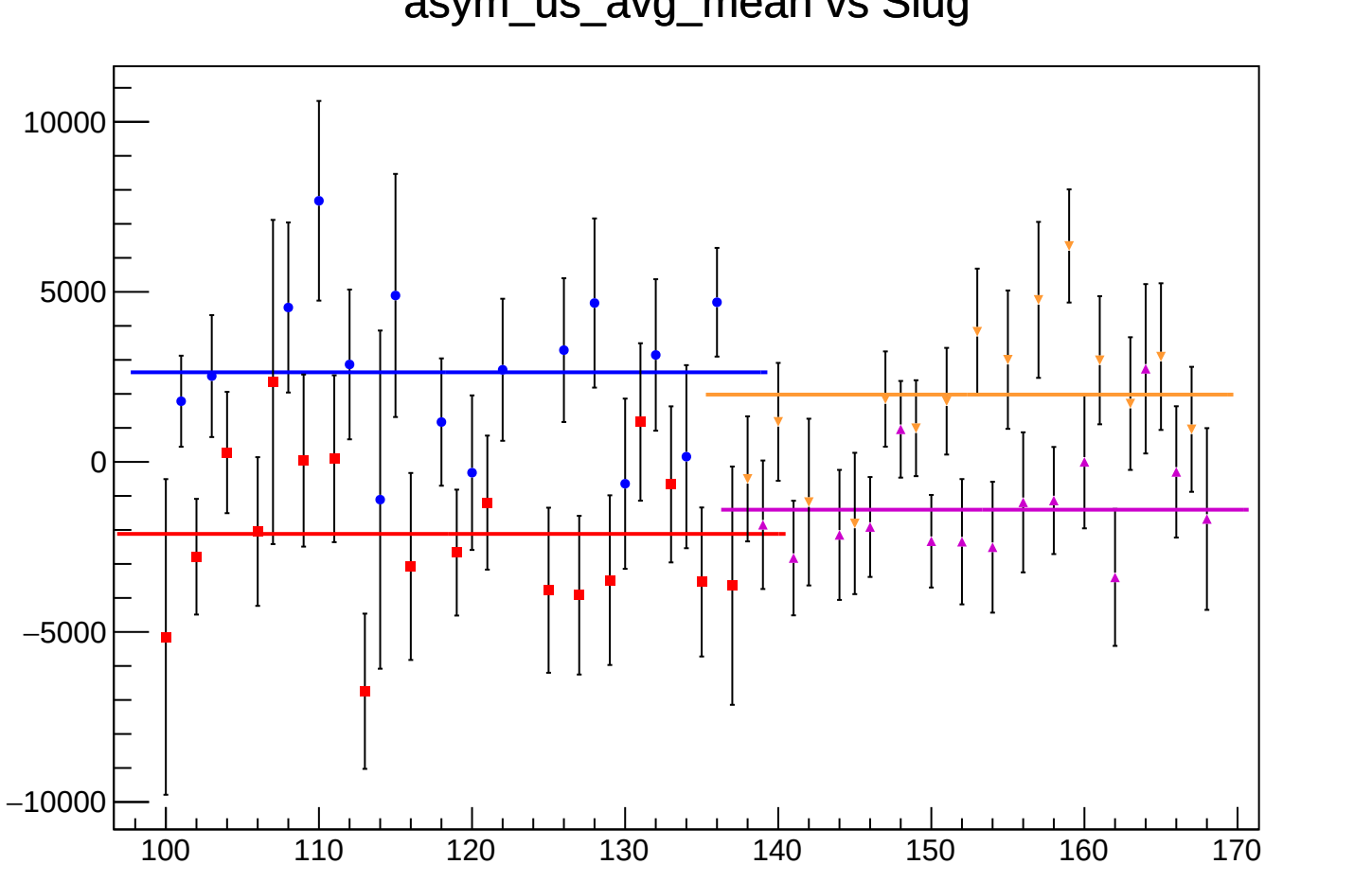
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

Left In: 1377.524+/-0.283 χ^2/NDF:1011447.2/14

+ sign 1279.382+/-0.213 χ^2/NDF: 1451891.1/30

All: 1298.082+/-0.151 χ^2/NDF: 2982584.1/63

- sign 1317.118+/-0.214 χ^2/NDF: 1515072.5/32



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

Left Out: 1979.844+/-466.978 χ^2/NDF:18.0/14

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

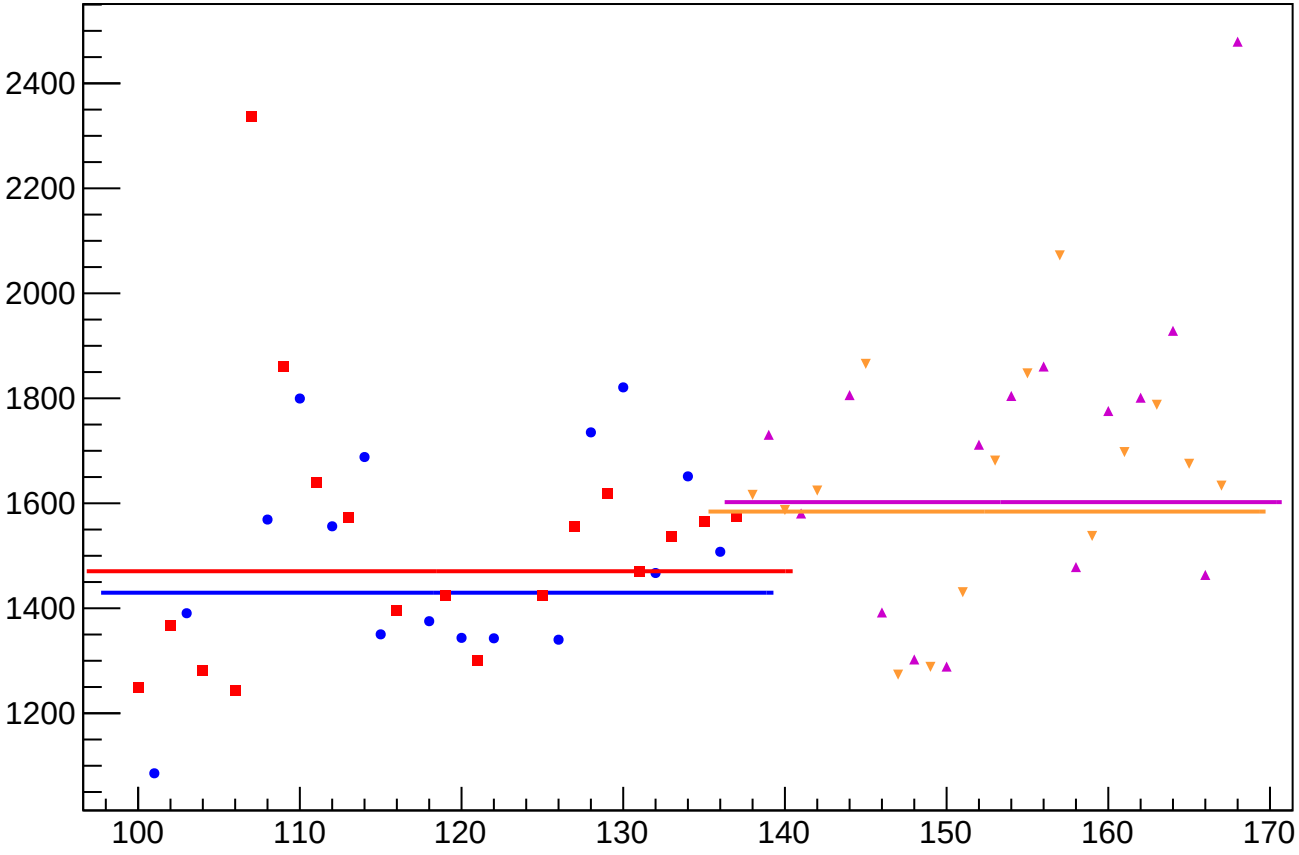
Left In: -1405.693+/-461.940 χ^2/NDF:9.5/14

+ sign 2261.502+/-352.669 χ^2/NDF: 31.1/30

All: 282.145+/-249.512 χ^2/NDF: 118.4/63

- sign -1701.564+/-353.057 χ^2/NDF: 24.2/32

asym_us_avg_rms vs Slug



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

Left Out: 1584.239+/-0.330 χ^2/NDF:408589.9/14

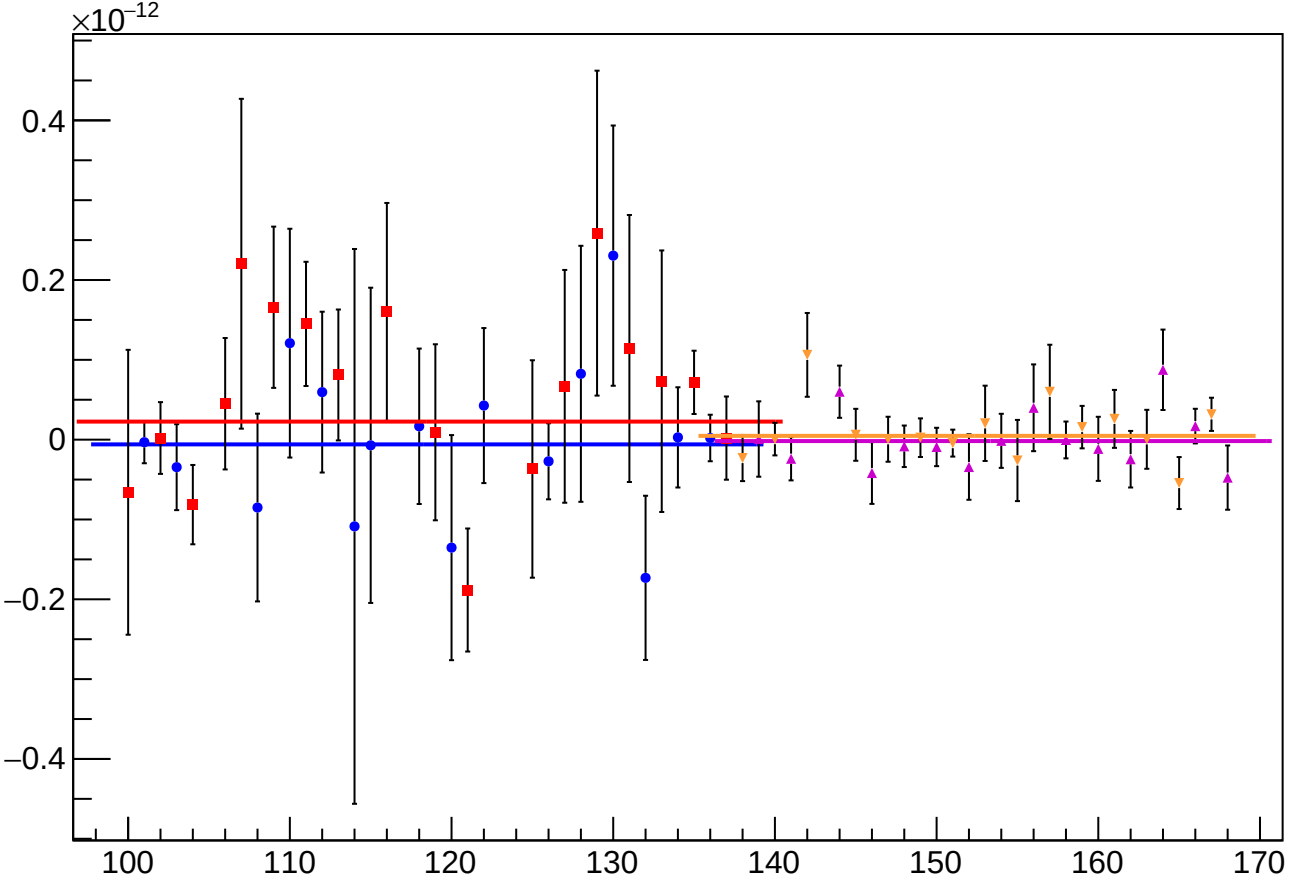
Right Out: 1470.565+/-0.387 χ^2/NDF: 218067.5/17

Left In: 1602.232+/-0.327 χ^2/NDF:636598.2/14

+ sign 1517.822+/-0.249 χ^2/NDF: 796143.1/30

All: 1532.633+/-0.176 χ^2/NDF: 1725442.3/63

- sign 1547.477+/-0.250 χ^2/NDF: 922236.2/32



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

Left Out: 0.000+/-0.000 χ^2/NDF:11.9/14

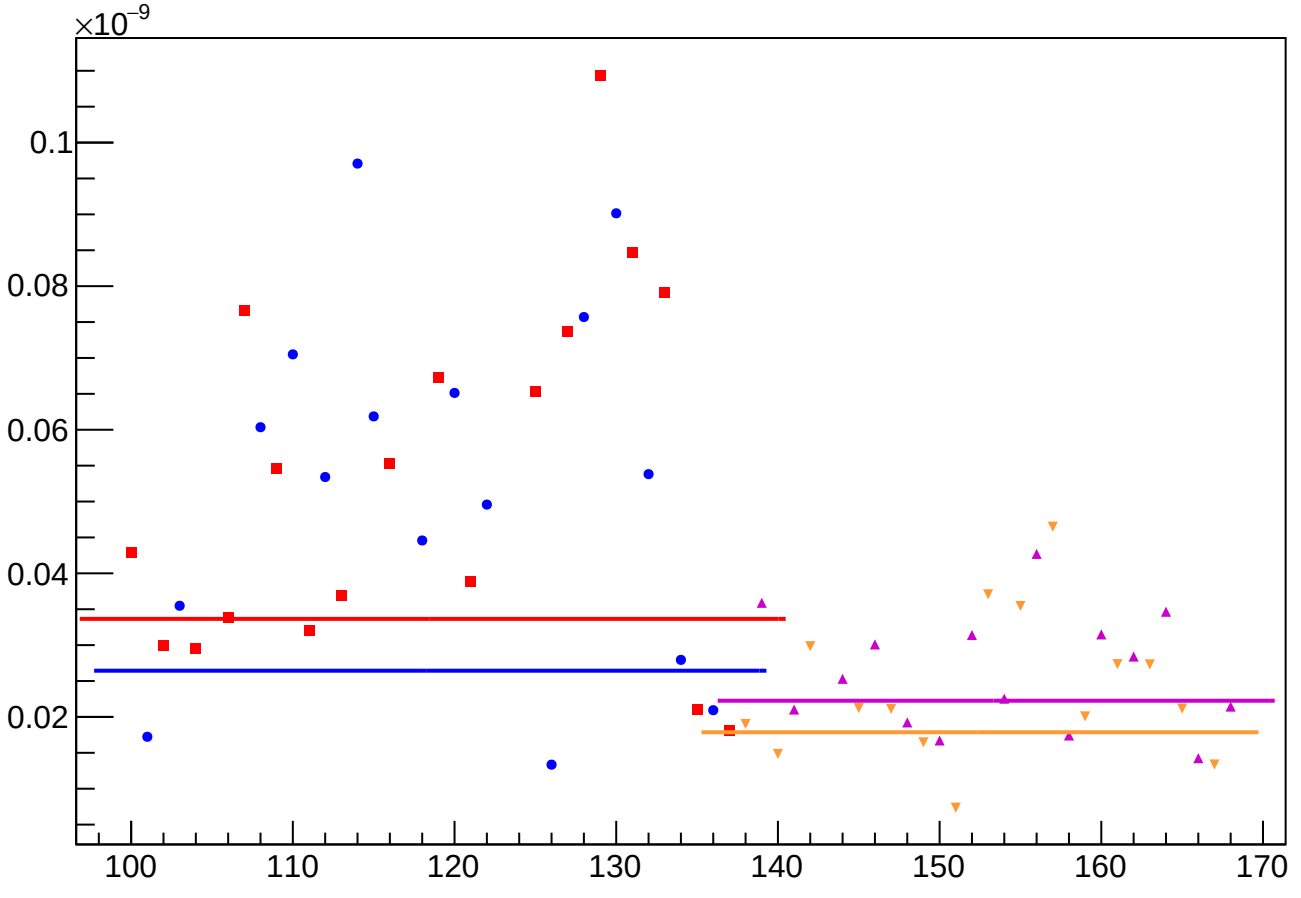
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:12.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 20.8/30

All: 0.000+/-0.000 χ^2/NDF: 57.7/63

- sign 0.000+/-0.000 χ^2/NDF: 36.9/32



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

Left Out: 0.000+/-0.000 χ^2/NDF:2418050.2/14

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

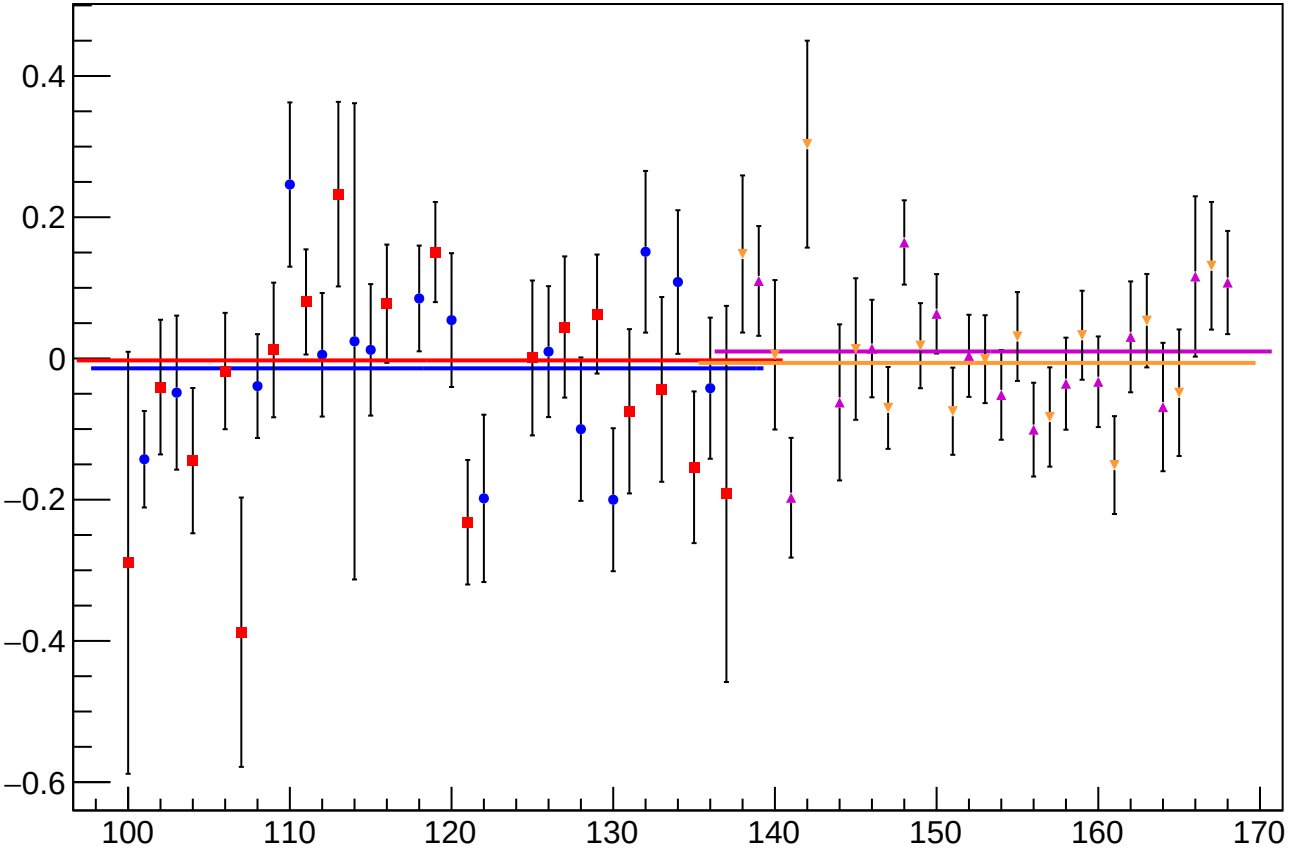
Left In: 0.000+/-0.000 χ^2/NDF:1434872.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 5073953.0/30

All: 0.000+/-0.000 χ^2/NDF: 9317641.4/63

- sign 0.000+/-0.000 χ^2/NDF: 3799294.2/32

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.006+/-0.019 χ^2/NDF:18.7/14

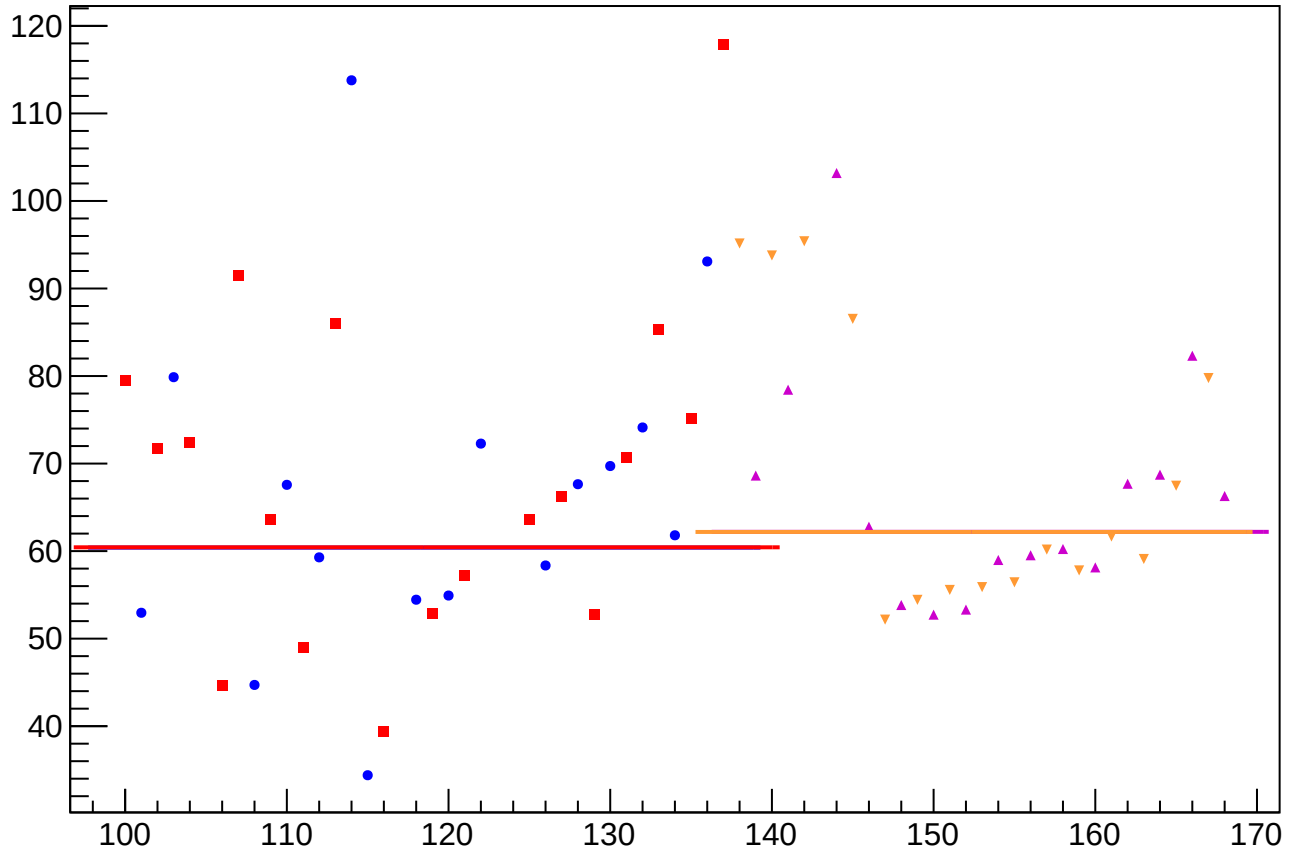
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.010+/-0.018 χ^2/NDF:23.8/14

+ sign -0.009+/-0.015 χ^2/NDF: 40.1/30

All: -0.002+/-0.010 χ^2/NDF: 92.3/63

- sign 0.005+/-0.015 χ^2/NDF: 51.7/32



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

Left Out: 62.189+/-0.013 χ^2/NDF:825837.1/14

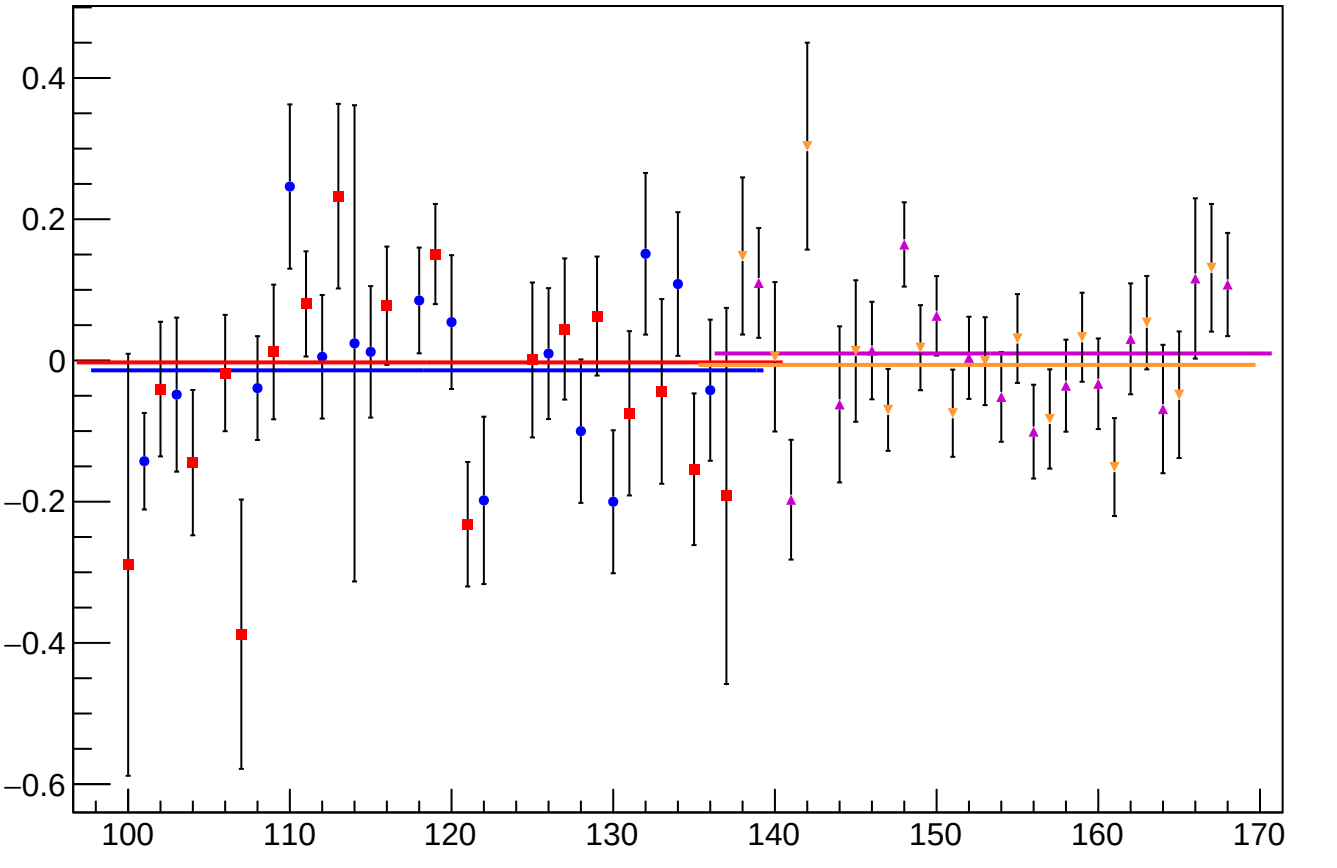
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 62.199+/-0.013 χ^2/NDF:612096.2/14

+ sign 61.499+/-0.010 χ^2/NDF: 1535906.8/30

All: 61.522+/-0.007 χ^2/NDF: 2866024.4/63

- sign 61.544+/-0.010 χ^2/NDF: 1330108.4/32



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

Left Out: -0.006+/-0.019 χ^2/NDF:18.7/14

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

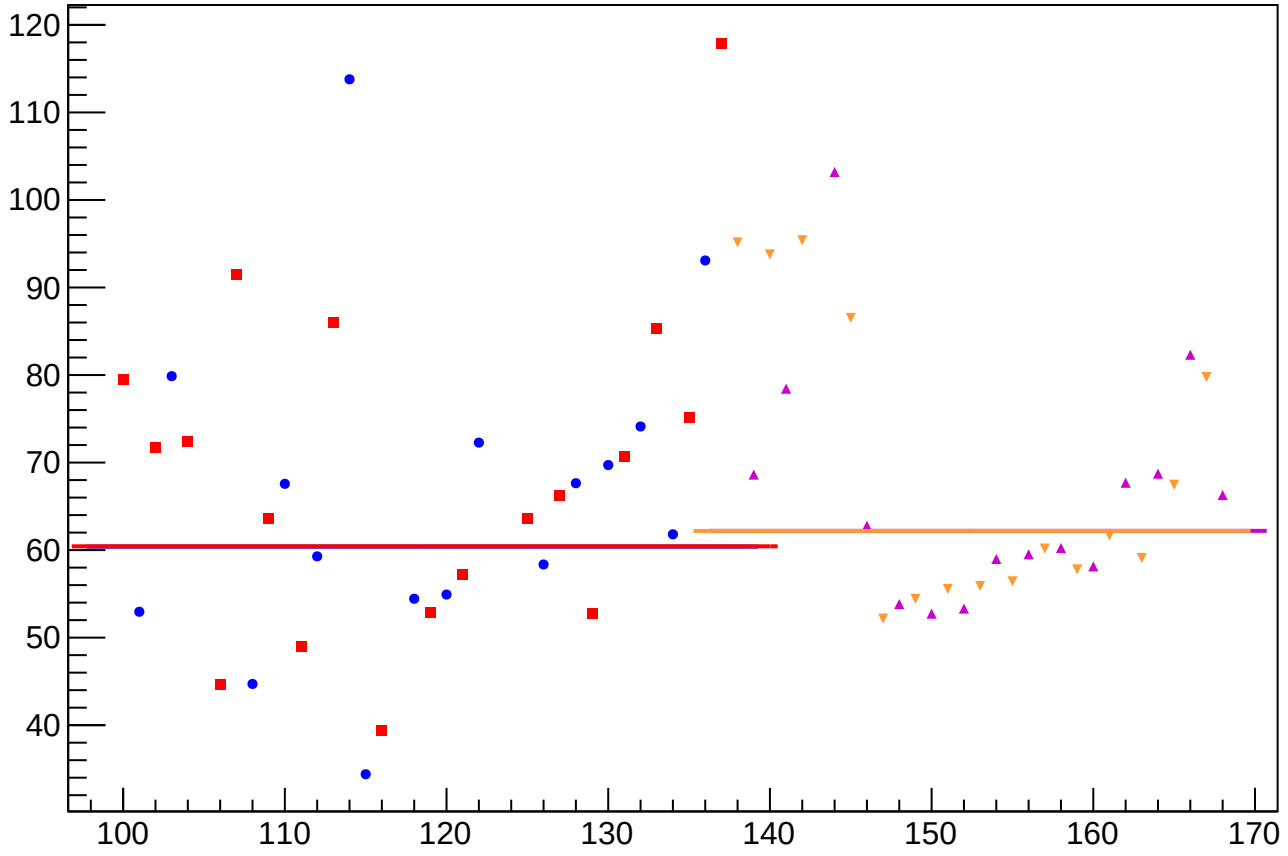
Left In: 0.010+/-0.018 χ^2/NDF:23.8/14

+ sign -0.009+/-0.015 χ^2/NDF: 40.1/30

All: -0.002+/-0.010 χ^2/NDF: 92.3/63

- sign 0.005+/-0.015 χ^2/NDF: 51.7/32

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: 62.189+/-0.013 χ^2/NDF:825837.1/14

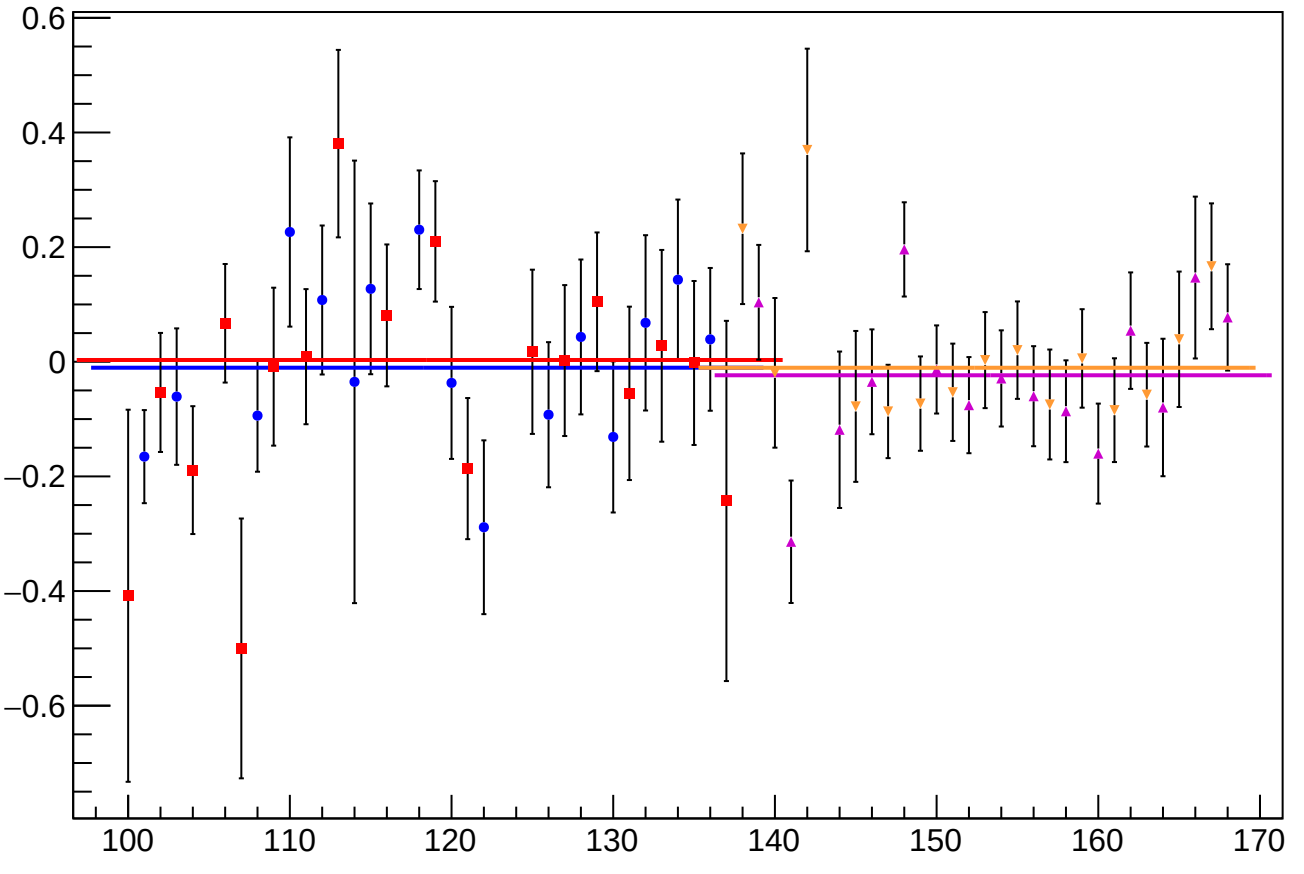
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 62.199+/-0.013 χ^2/NDF:612096.2/14

+ sign 61.499+/-0.010 χ^2/NDF: 1535906.8/30

All: 61.522+/-0.007 χ^2/NDF: 2866024.4/63

- sign 61.544+/-0.010 χ^2/NDF: 1330108.4/32



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

Left Out: -0.010+/-0.025 χ^2/NDF:14.4/14

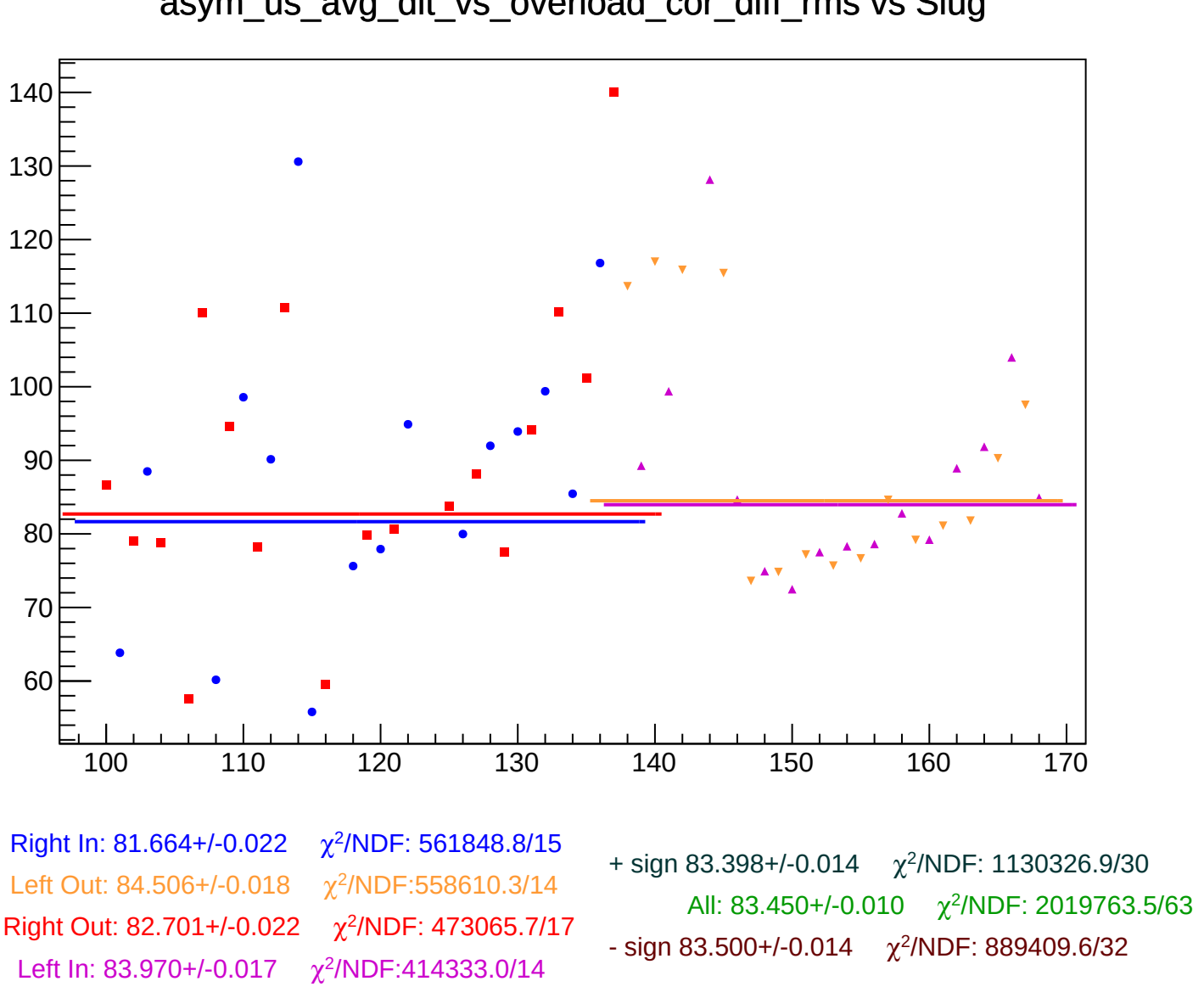
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

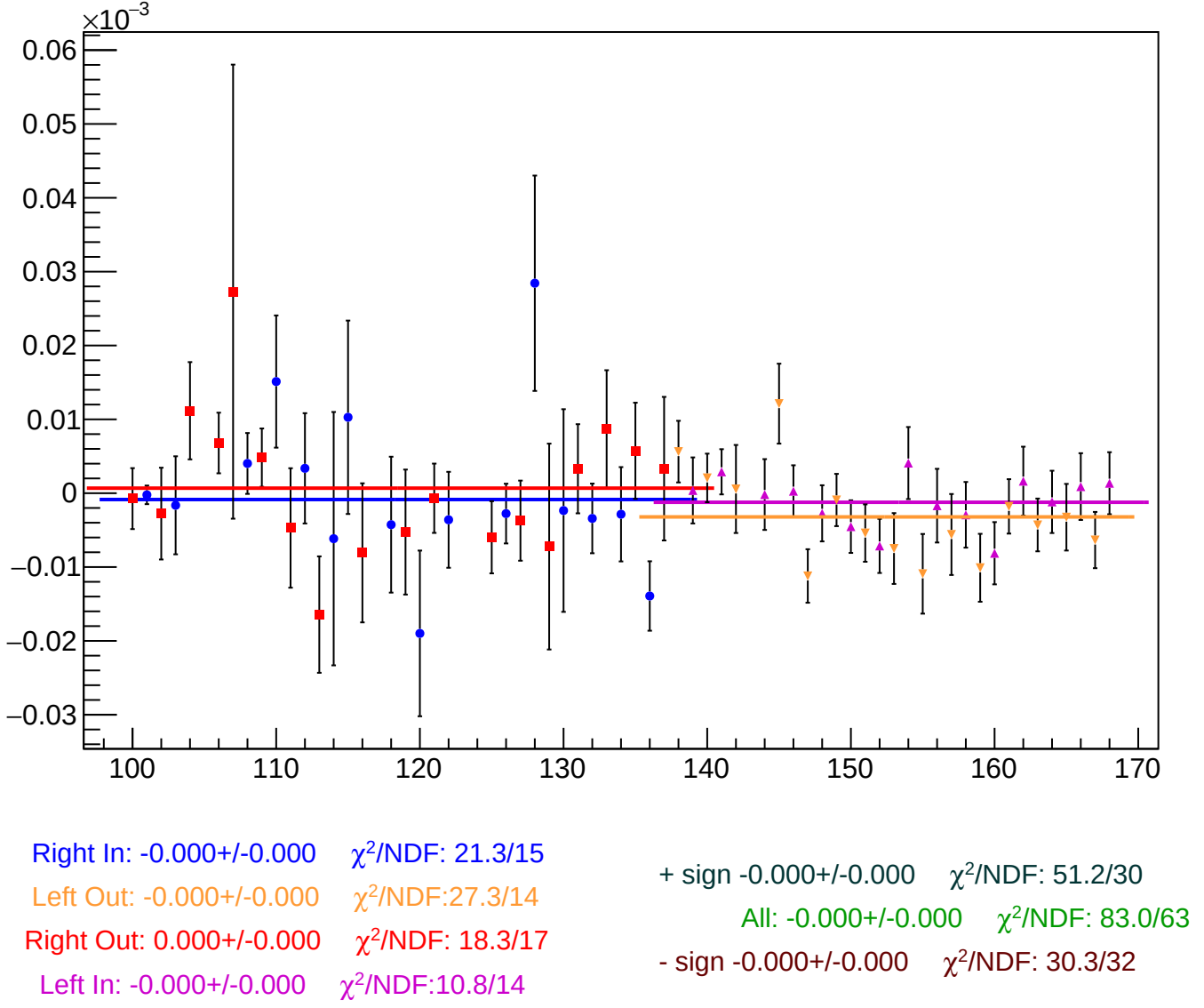
Left In: -0.024+/-0.024 χ^2/NDF:23.6/14

+ sign -0.010+/-0.020 χ^2/NDF: 34.5/30

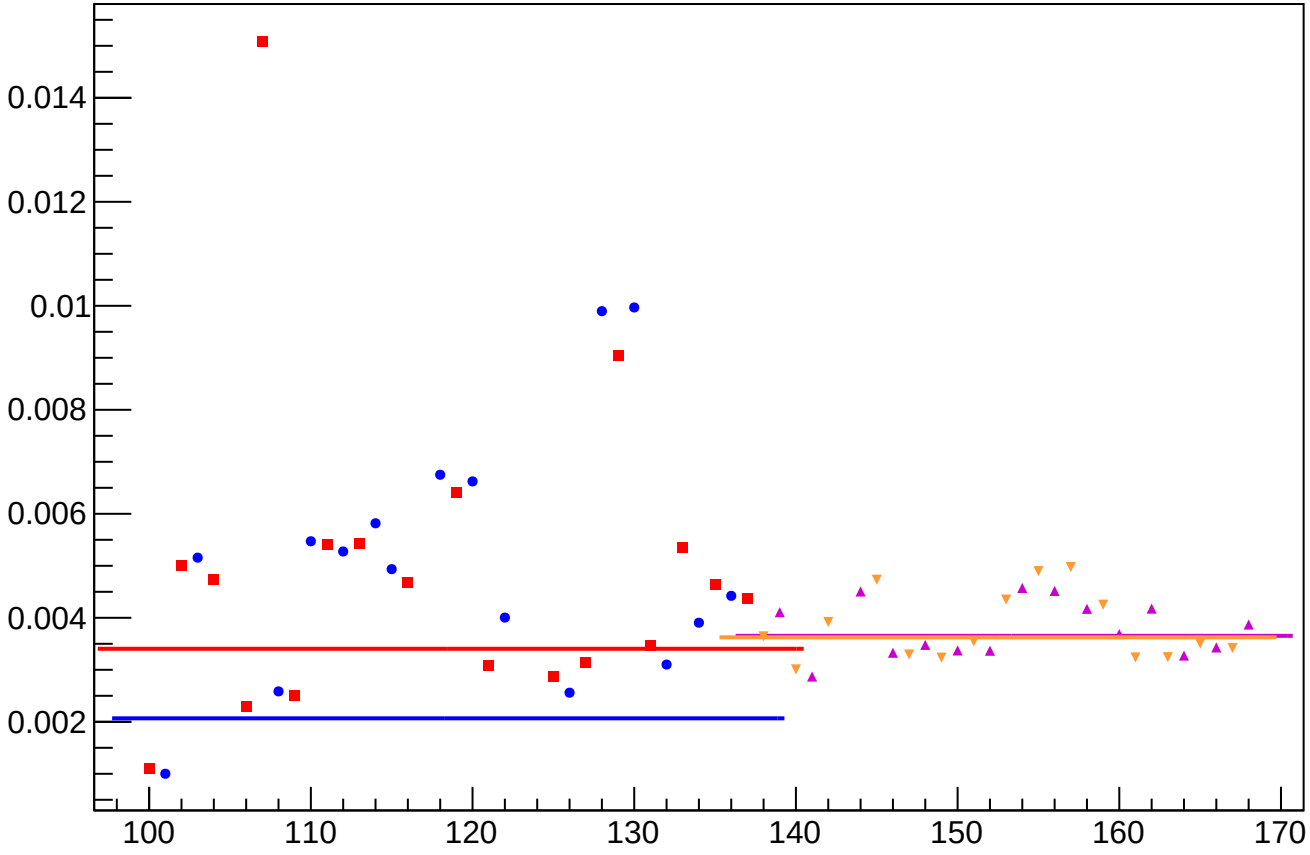
All: -0.012+/-0.014 χ^2/NDF: 82.3/63

- sign -0.014+/-0.019 χ^2/NDF: 47.7/32


asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
Right In: 81.664+/-0.022 χ²/NDF: 561848.8/15
Left Out: 84.506+/-0.018 χ²/NDF:558610.3/14
Right Out: 82.701+/-0.022 χ²/NDF: 473065.7/17
Left In: 83.970+/-0.017 χ²/NDF:414333.0/14
+ sign 83.398+/-0.014 χ²/NDF: 1130326.9/30
All: 83.450+/-0.010 χ²/NDF: 2019763.5/63
- sign 83.500+/-0.014 χ²/NDF: 889409.6/32


asym_us_avg_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
−0.03
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: -0.000+/-0.000 χ²/NDF:27.3/14
Right Out: 0.000+/-0.000 χ²/NDF: 18.3/17
Left In: -0.000+/-0.000 χ²/NDF:10.8/14
+ sign -0.000+/-0.000 χ²/NDF: 51.2/30
All: -0.000+/-0.000 χ²/NDF: 83.0/63
- sign -0.000+/-0.000 χ²/NDF: 30.3/32

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

Left Out: 0.004+/-0.000 χ^2/NDF:568972.0/14

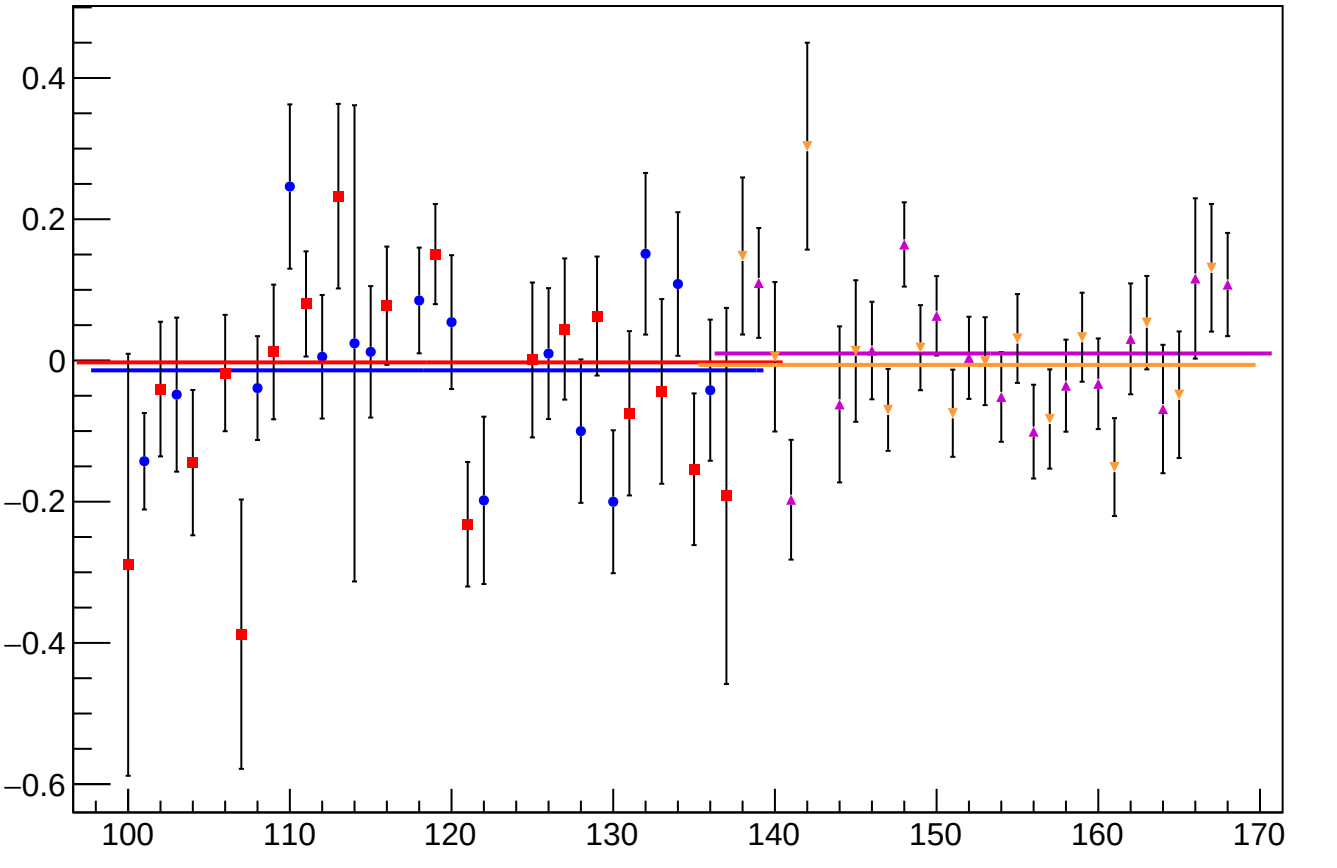
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.004+/-0.000 χ^2/NDF:471126.8/14

+ sign 0.003+/-0.000 χ^2/NDF: 8612607.3/30

All: 0.003+/-0.000 χ^2/NDF: 12557674.5/63

- sign 0.004+/-0.000 χ^2/NDF: 3001935.6/32



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

Left Out: -0.006+/-0.019 χ^2/NDF:18.7/14

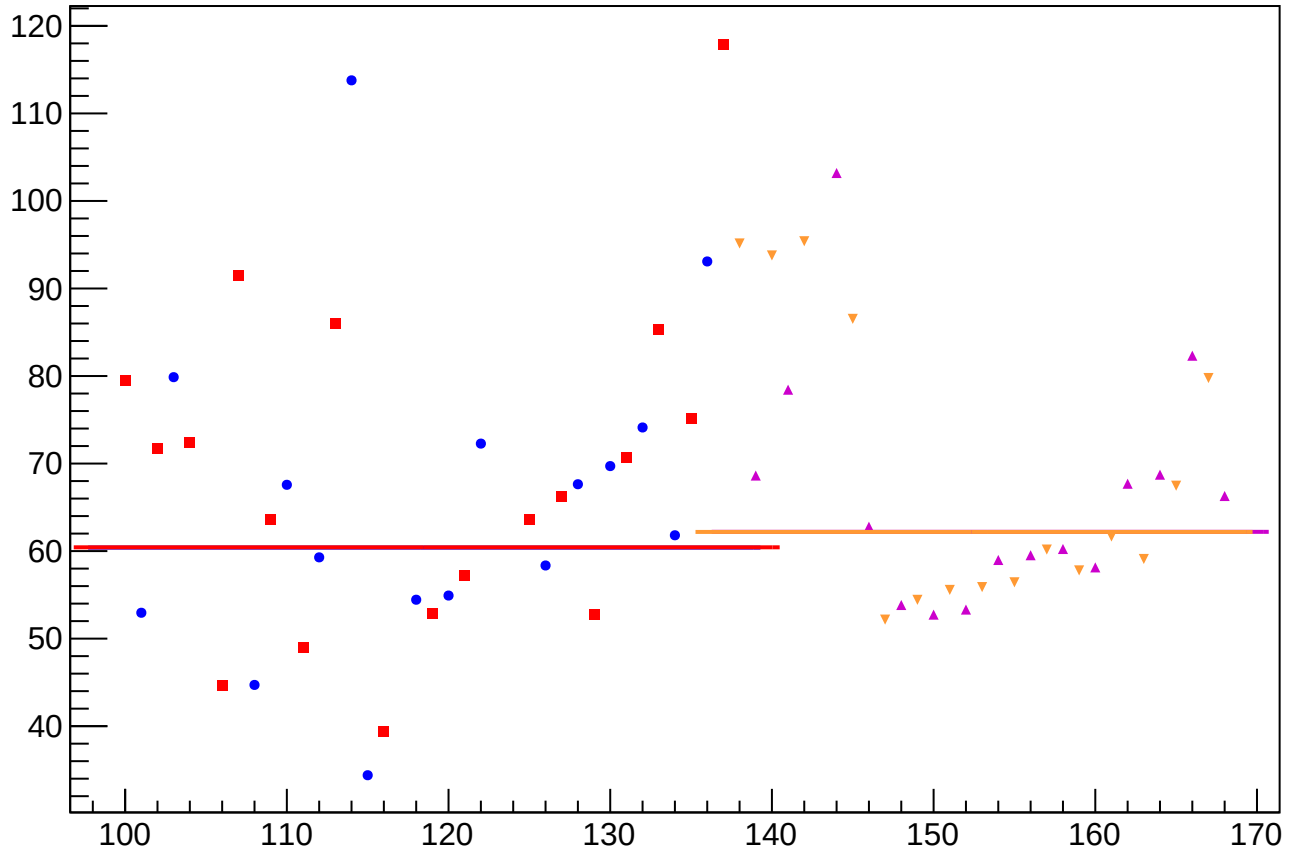
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.010+/-0.018 χ^2/NDF:23.8/14

+ sign -0.009+/-0.015 χ^2/NDF: 40.1/30

All: -0.002+/-0.010 χ^2/NDF: 92.3/63

- sign 0.005+/-0.015 χ^2/NDF: 51.7/32



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

Left Out: 62.189+/-0.013 χ^2/NDF:825834.5/14

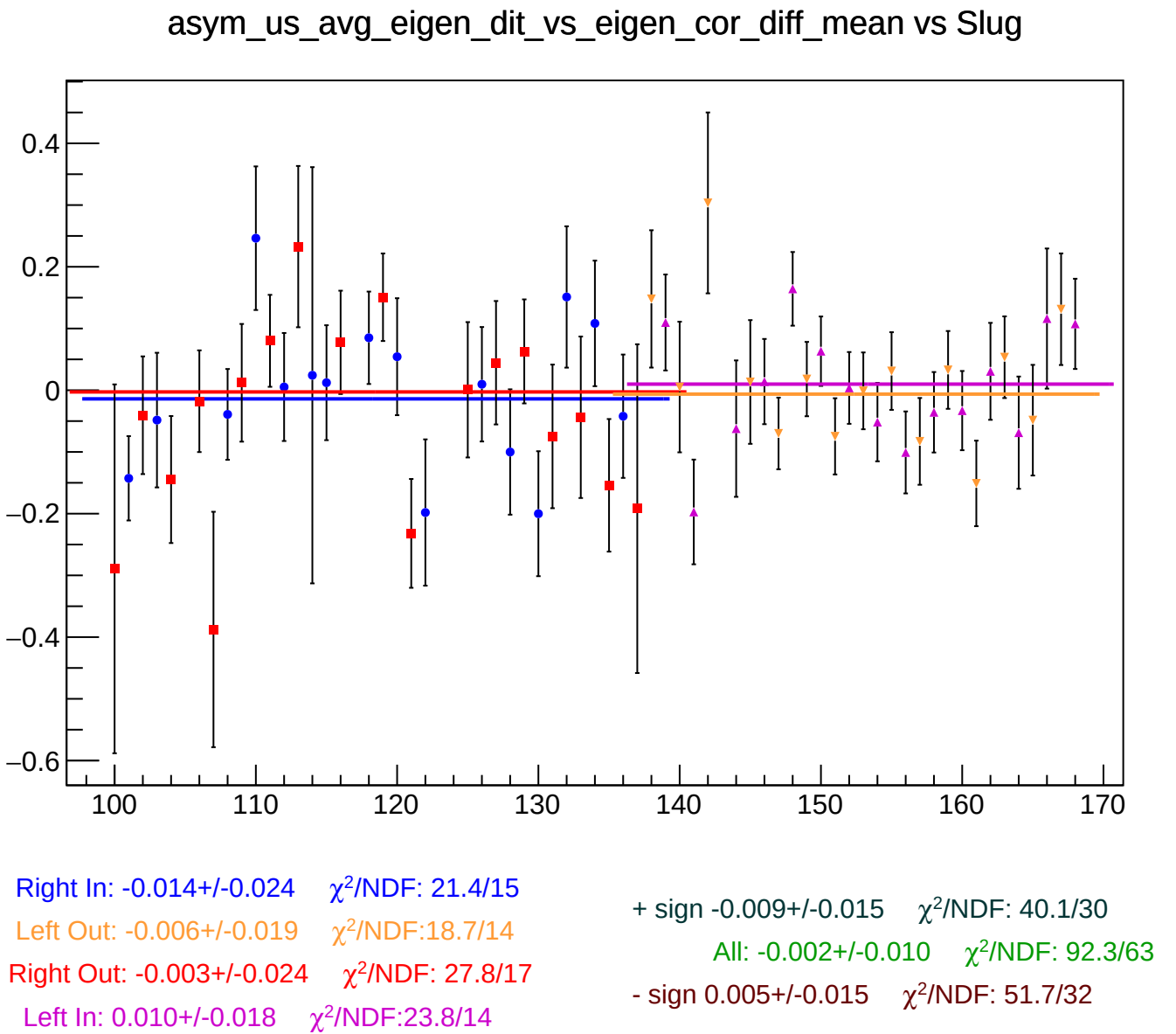
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

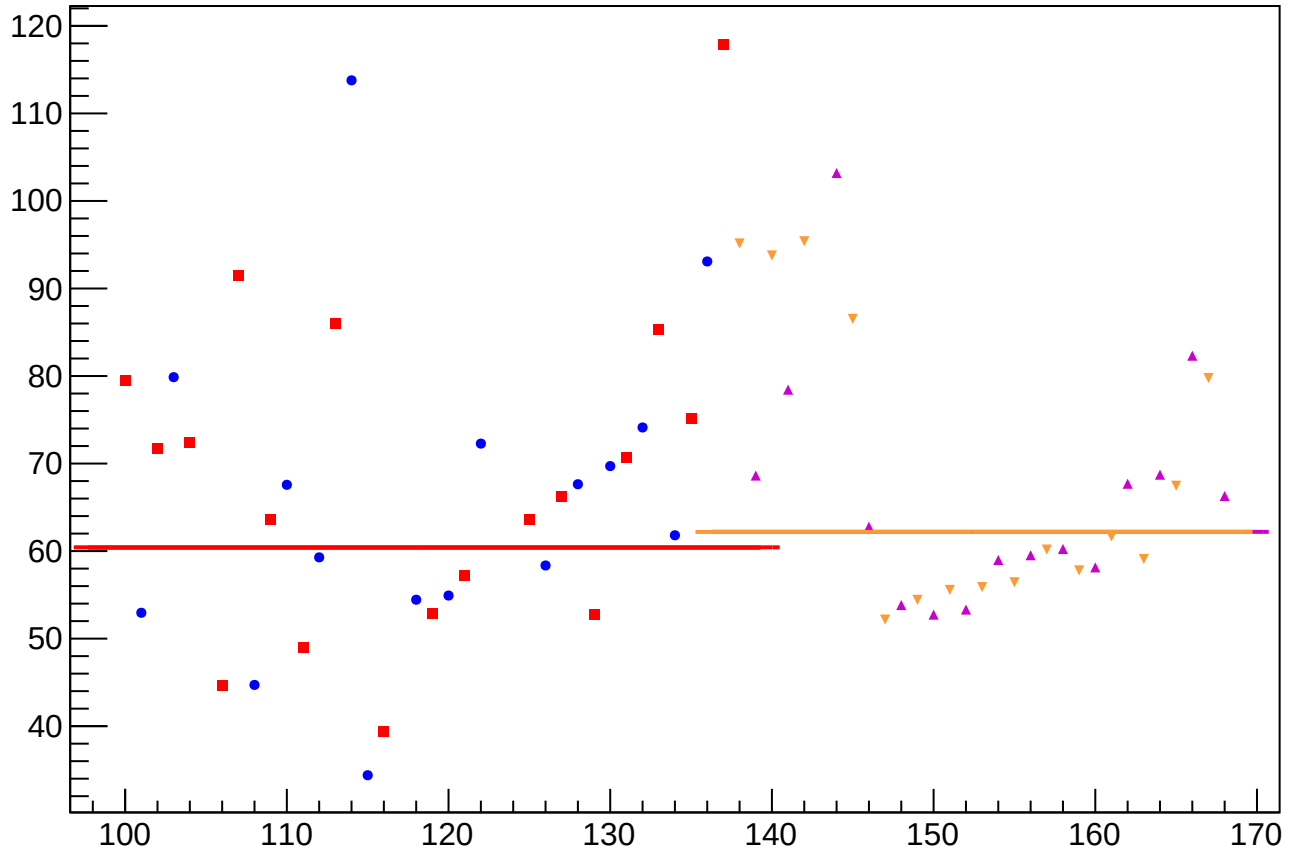
Left In: 62.200+/-0.013 χ^2/NDF:612094.0/14

+ sign 61.499+/-0.010 χ^2/NDF: 1535929.8/30

All: 61.521+/-0.007 χ^2/NDF: 2866089.4/63

- sign 61.543+/-0.010 χ^2/NDF: 1330150.4/32


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.006+/-0.019 χ²/NDF:18.7/14
Right Out: -0.003+/-0.024 χ²/NDF: 27.8/17
Left In: 0.010+/-0.018 χ²/NDF:23.8/14
+ sign -0.009+/-0.015 χ²/NDF: 40.1/30
All: -0.002+/-0.010 χ²/NDF: 92.3/63
- sign 0.005+/-0.015 χ²/NDF: 51.7/32



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

Left Out: 62.189+/-0.013 χ^2/NDF:825834.5/14

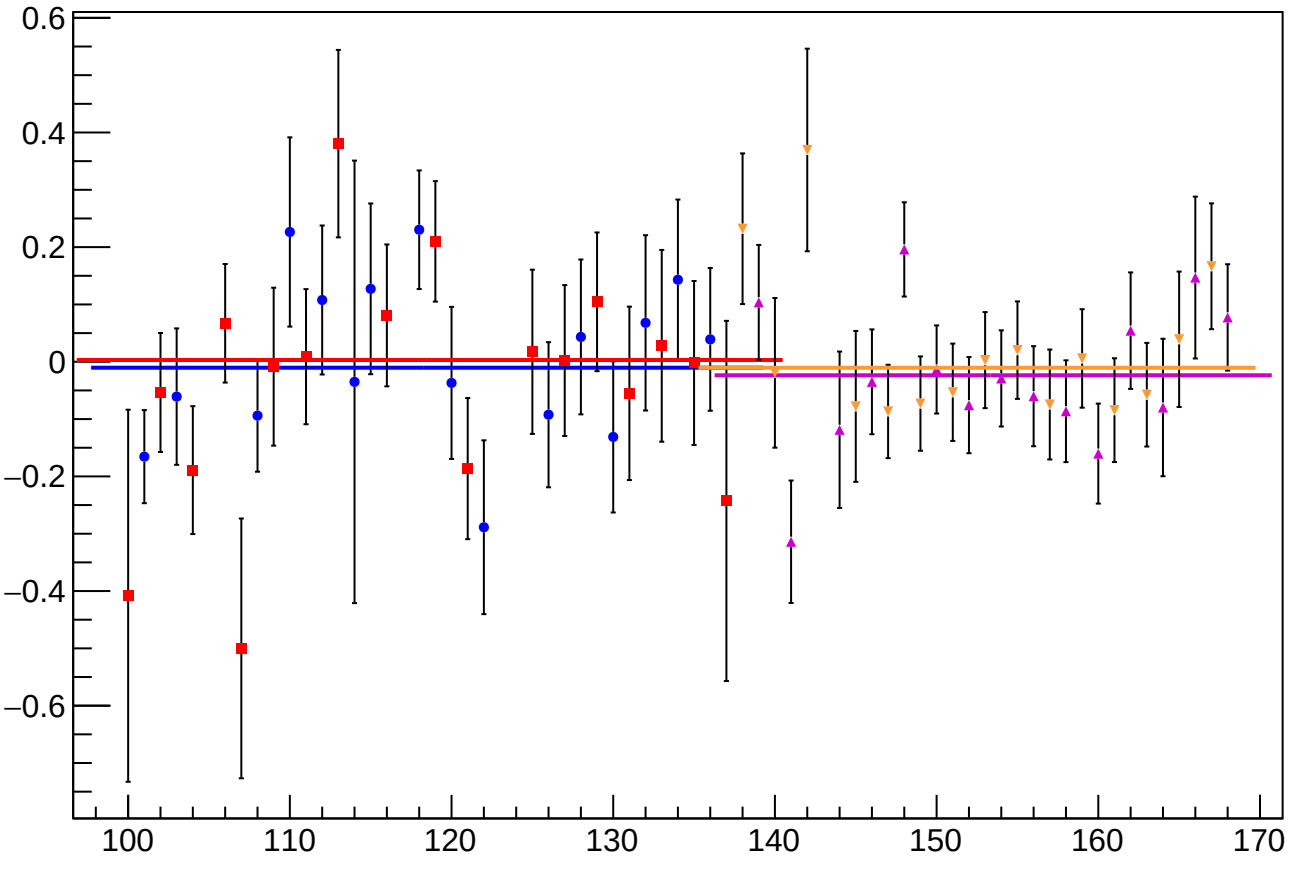
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 62.200+/-0.013 χ^2/NDF:612094.0/14

+ sign 61.499+/-0.010 χ^2/NDF: 1535929.8/30

All: 61.521+/-0.007 χ^2/NDF: 2866089.4/63

- sign 61.543+/-0.010 χ^2/NDF: 1330150.4/32



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

Left Out: -0.010+/-0.025 χ^2/NDF:14.4/14

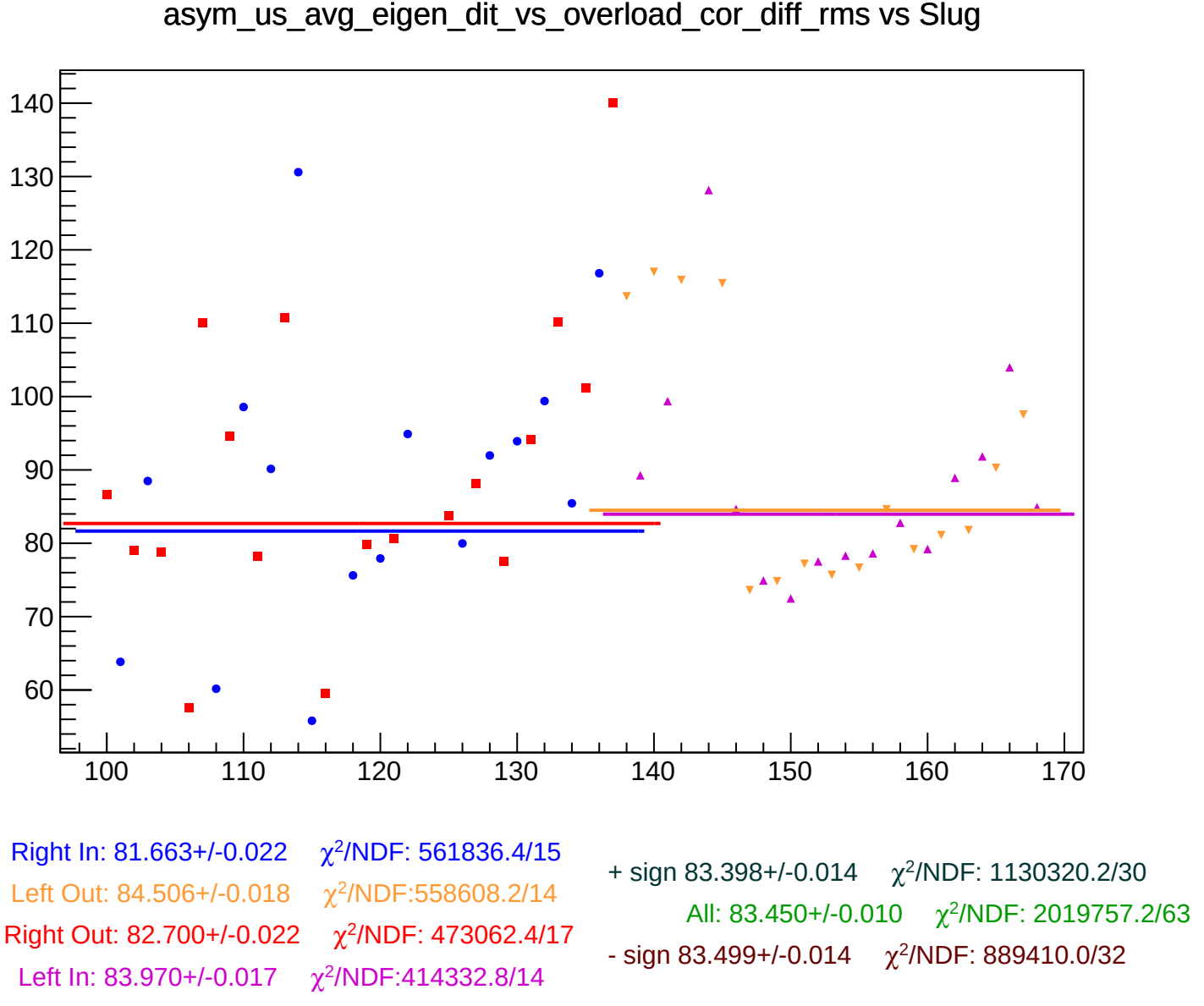
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.024+/-0.024 χ^2/NDF:23.6/14

+ sign -0.010+/-0.020 χ^2/NDF: 34.5/30

All: -0.012+/-0.014 χ^2/NDF: 82.3/63

- sign -0.014+/-0.019 χ^2/NDF: 47.7/32


asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug
140
130
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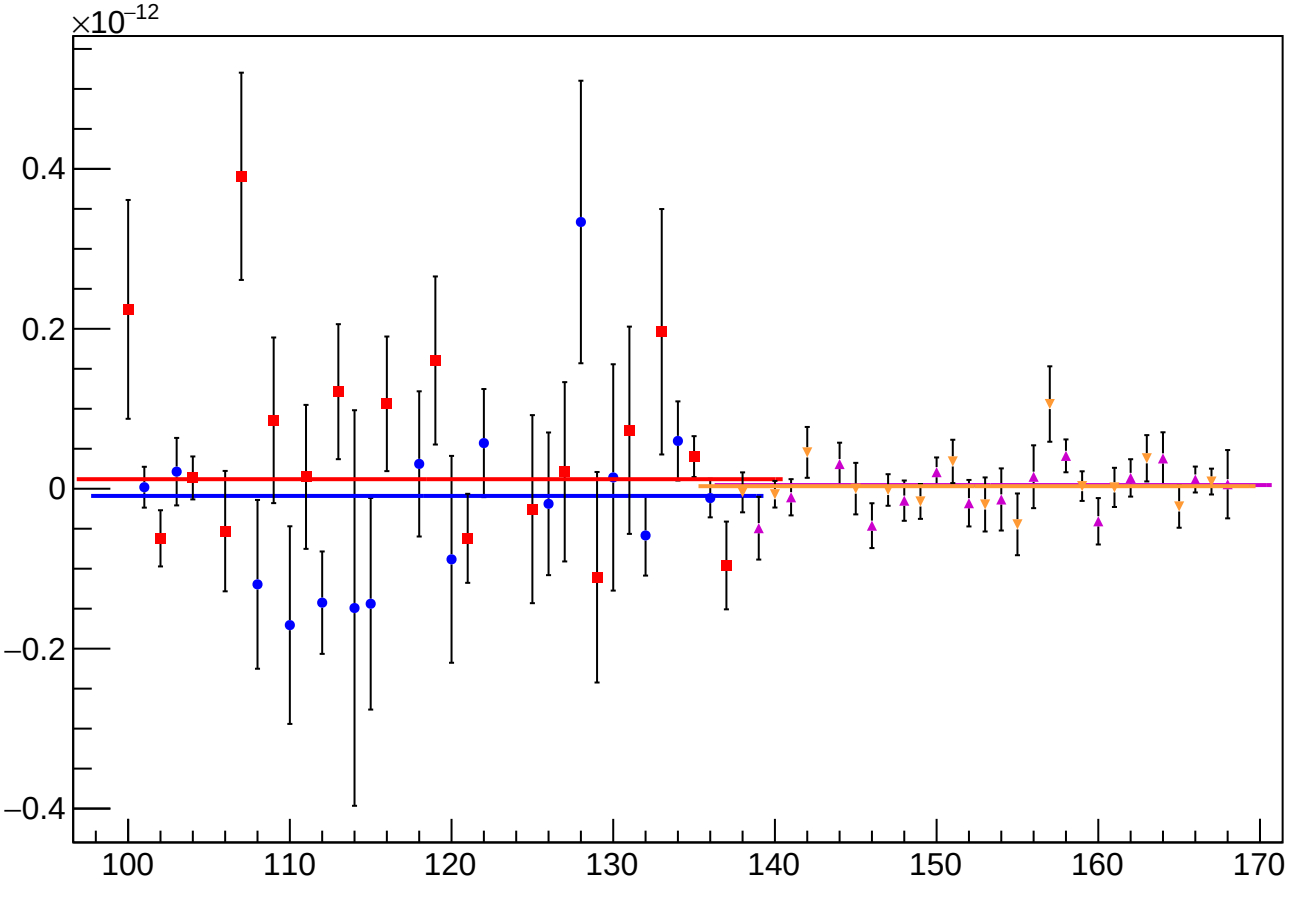
140
150
160
170
Right In: 81.663+/-0.022 χ²/NDF: 561836.4/15
Left Out: 84.506+/-0.018 χ²/NDF:558608.2/14
Right Out: 82.700+/-0.022 χ²/NDF: 473062.4/17
Left In: 83.970+/-0.017 χ²/NDF:414332.8/14
+ sign 83.398+/-0.014 χ²/NDF: 1130320.2/30
All: 83.450+/-0.010 χ²/NDF: 2019757.2/63
- sign 83.499+/-0.014 χ²/NDF: 889410.0/32



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

Left Out: 0.000+/-0.000 χ^2/NDF:13.6/14

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

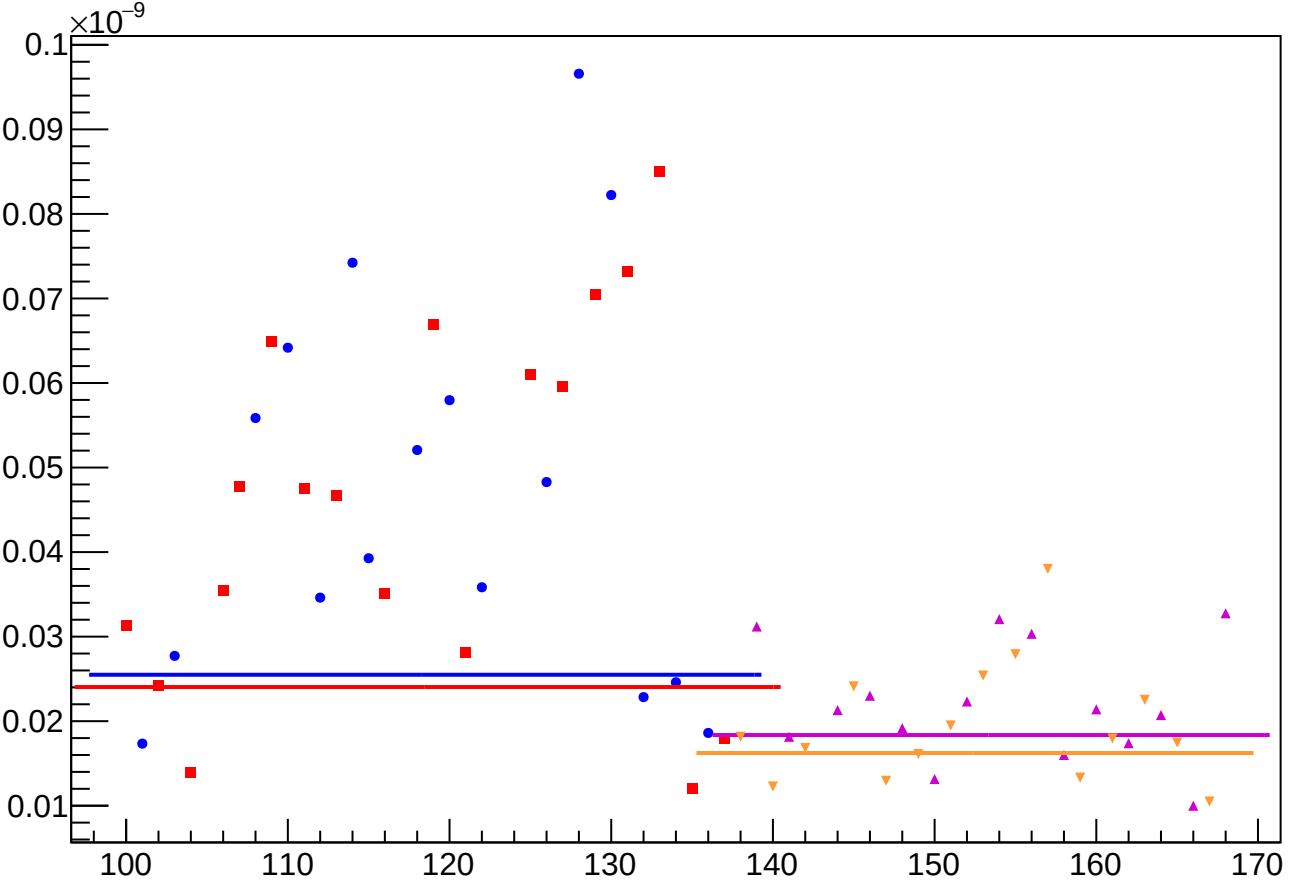
Left In: 0.000+/-0.000 χ^2/NDF:15.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 31.7/30

All: 0.000+/-0.000 χ^2/NDF: 79.2/63

- sign 0.000+/-0.000 χ^2/NDF: 47.1/32

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:1496481.8/14

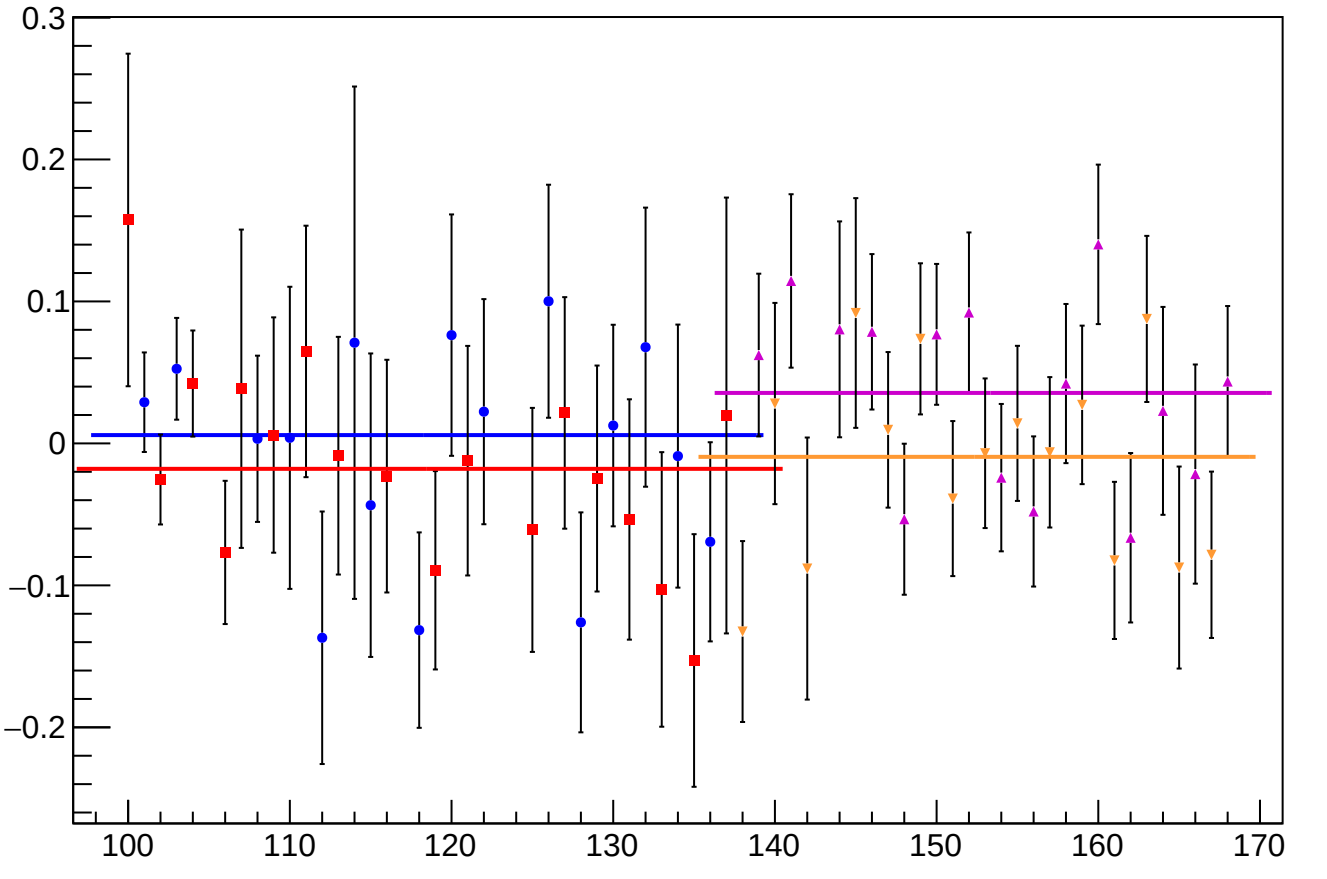
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1749764.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 4298371.5/30

All: 0.000+/-0.000 χ^2/NDF: 9497292.9/63

- sign 0.000+/-0.000 χ^2/NDF: 5123649.3/32



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

Left Out: -0.009+/-0.015 χ^2/NDF:16.9/14

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

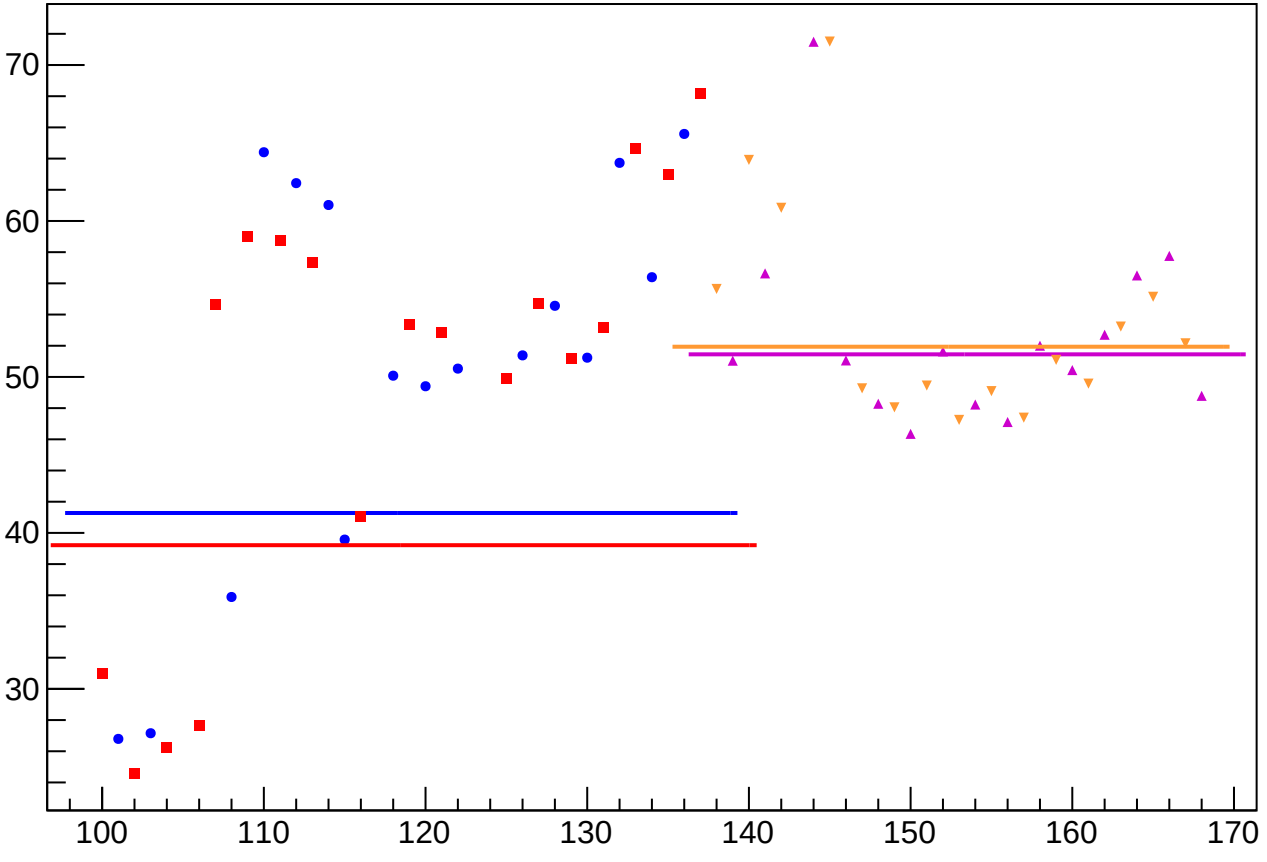
Left In: 0.036+/-0.015 χ^2/NDF:18.2/14

+ sign -0.002+/-0.011 χ^2/NDF: 32.9/30

All: 0.004+/-0.008 χ^2/NDF: 70.1/63

- sign 0.010+/-0.011 χ^2/NDF: 36.6/32

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



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

Left Out: 51.938+/-0.011 χ^2/NDF:264270.7/14

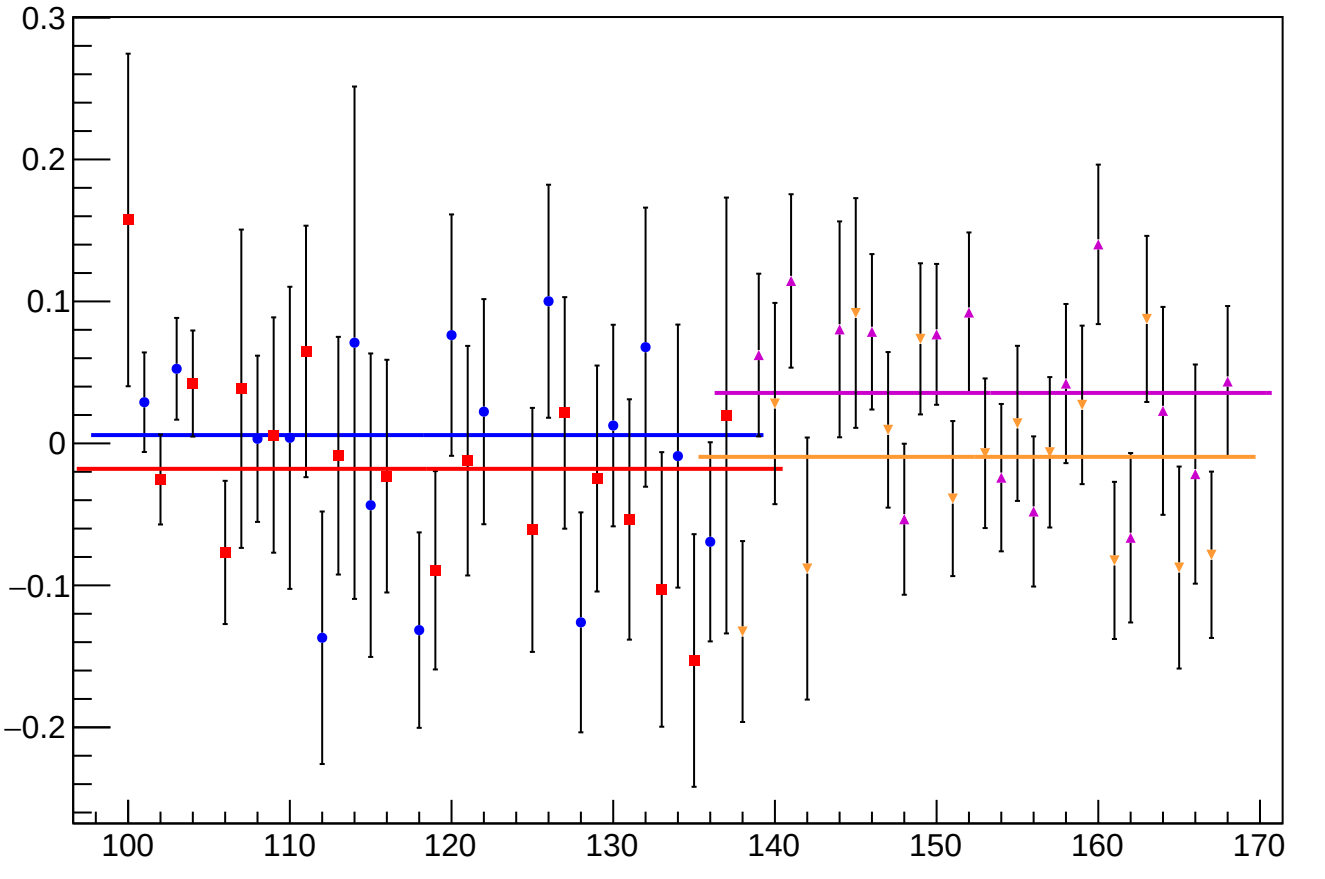
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 51.449+/-0.011 χ^2/NDF:232654.4/14

+ sign 46.983+/-0.008 χ^2/NDF: 2215044.2/30

All: 46.297+/-0.006 χ^2/NDF: 4919828.2/63

- sign 45.665+/-0.008 χ^2/NDF: 2690538.6/32



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

Left Out: -0.009+/-0.015 χ^2/NDF:16.9/14

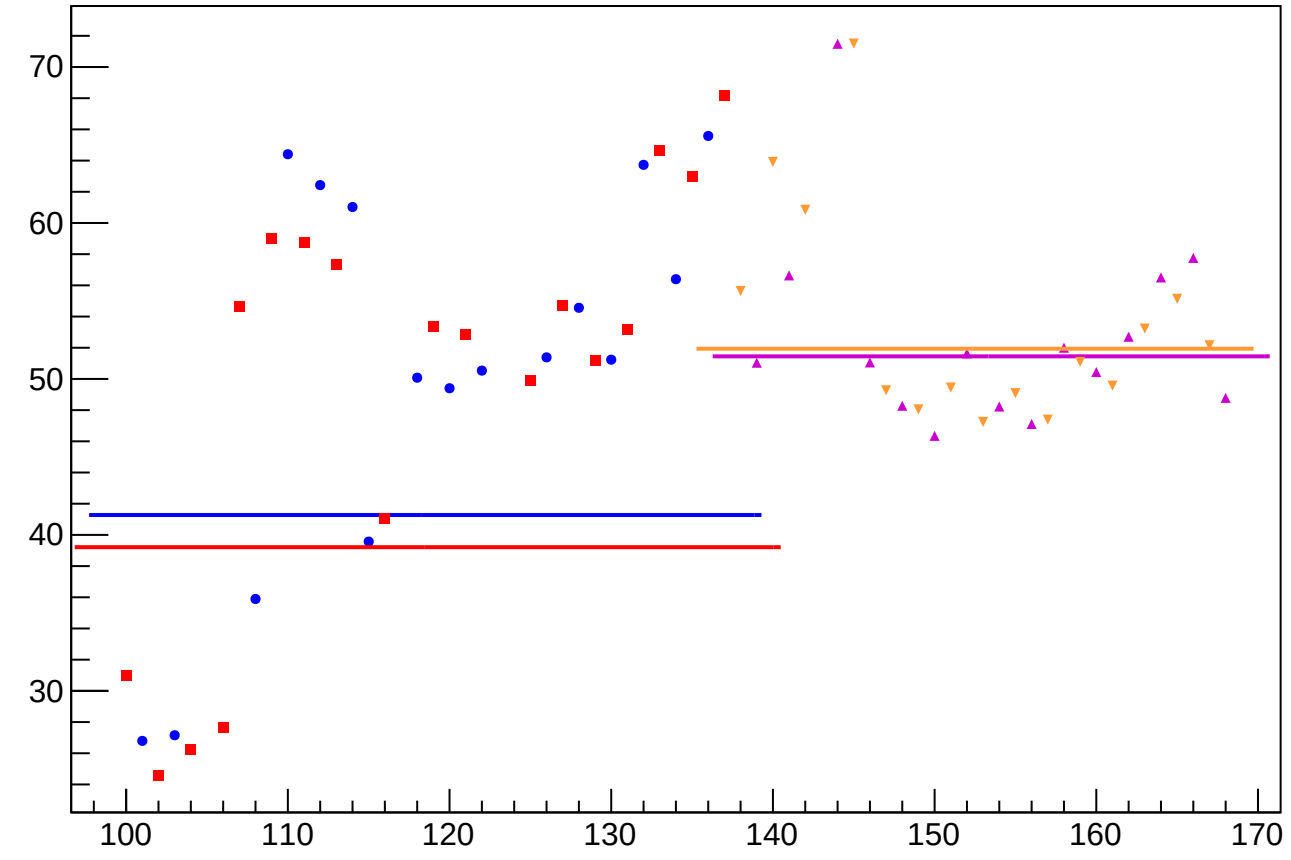
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.036+/-0.015 χ^2/NDF:18.2/14

+ sign -0.002+/-0.011 χ^2/NDF: 32.9/30

All: 0.004+/-0.008 χ^2/NDF: 70.1/63

- sign 0.010+/-0.011 χ^2/NDF: 36.6/32



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

Left Out: 51.938+/-0.011 χ^2/NDF:264270.7/14

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

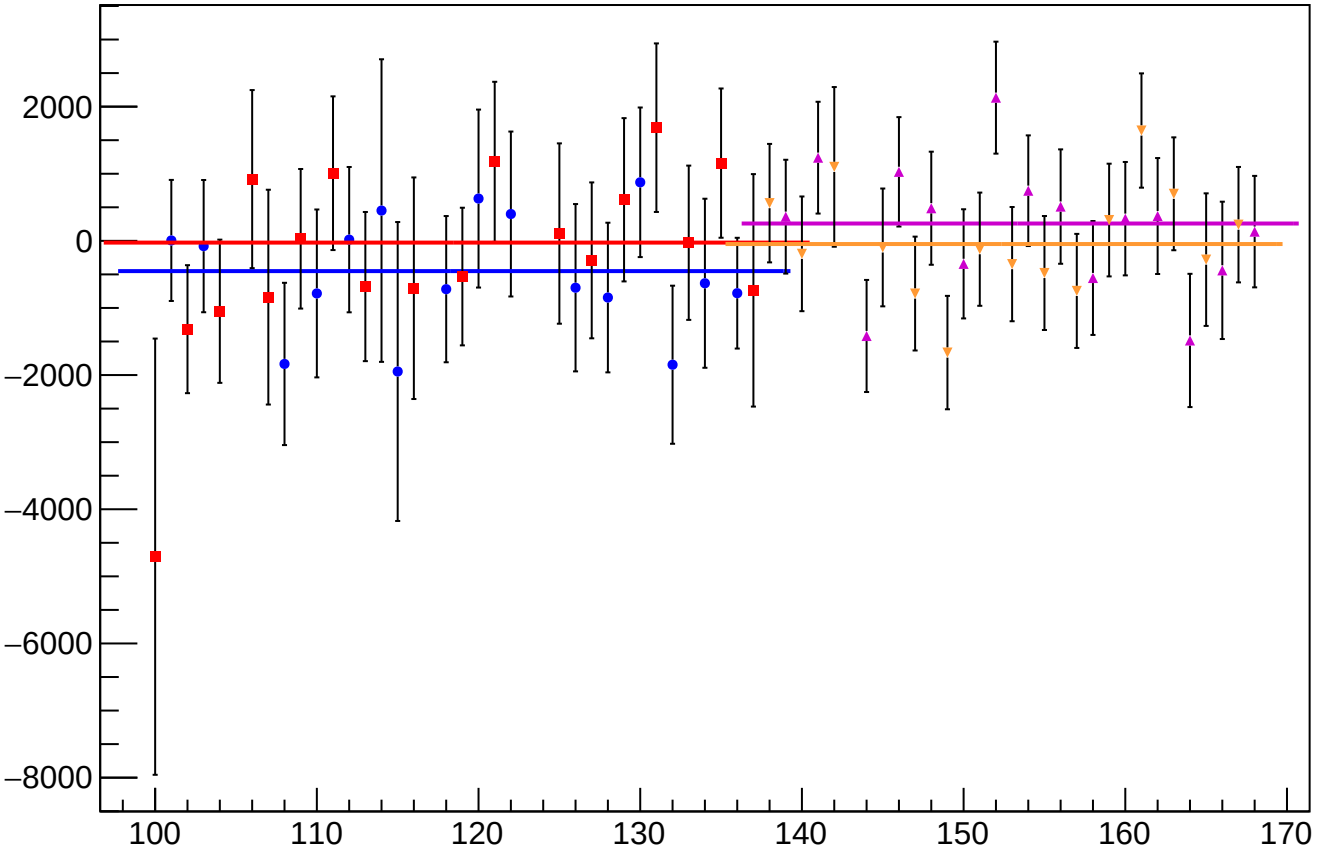
Left In: 51.449+/-0.011 χ^2/NDF:232654.4/14

+ sign 46.983+/-0.008 χ^2/NDF: 2215044.2/30

All: 46.297+/-0.006 χ^2/NDF: 4919828.2/63

- sign 45.665+/-0.008 χ^2/NDF: 2690538.6/32

reg_asym_us_dd_mean vs Slug



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

Left Out: -47.477+/-225.946 χ^2/NDF:12.0/14

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

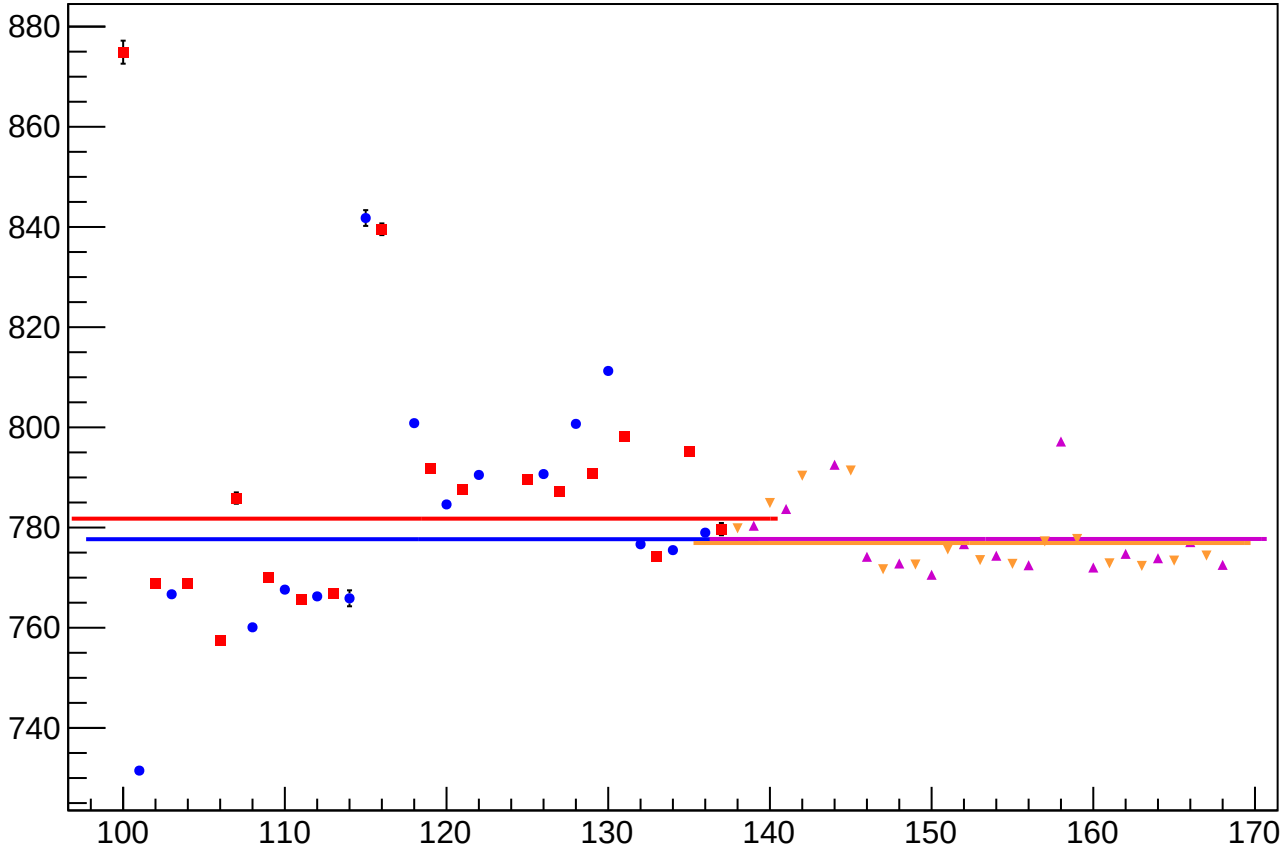
Left In: 258.342+/-220.751 χ^2/NDF:16.9/14

+ sign -200.573+/-177.990 χ^2/NDF: 20.2/30

All: -20.959+/-124.868 χ^2/NDF: 51.4/63

- sign 153.111+/-175.222 χ^2/NDF: 29.2/32

reg_asym_us_dd_rms vs Slug



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

Left Out: 776.909+/-0.160 χ^2/NDF:1356.9/14

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

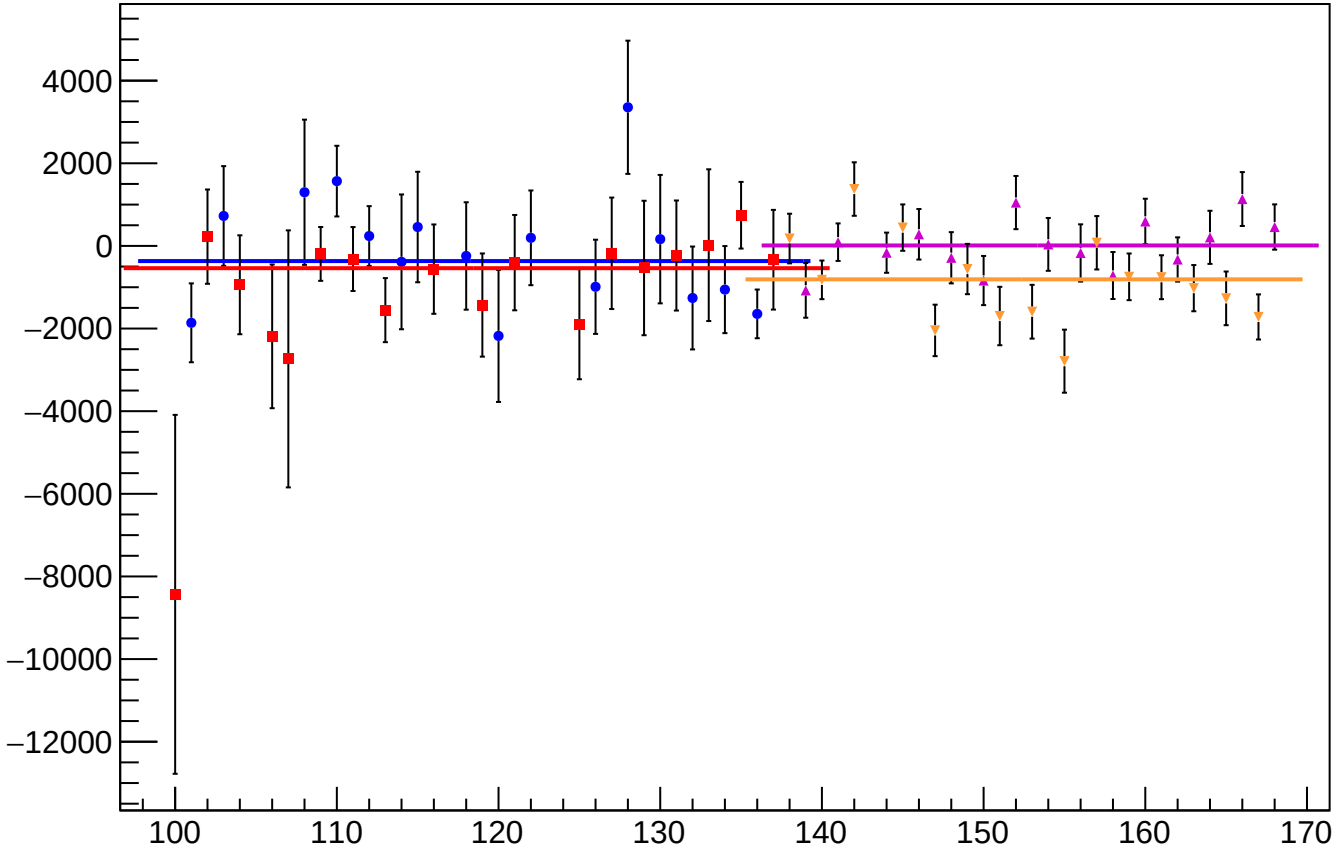
Left In: 777.721+/-0.156 χ^2/NDF:2397.3/14

+ sign 777.199+/-0.126 χ^2/NDF: 13421.1/30

All: 778.226+/-0.088 χ^2/NDF: 23825.5/63

- sign 779.222+/-0.124 χ^2/NDF: 10273.3/32

asym_us_dd_reg_correction_mean vs Slug



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

Left Out: -809.188+/-153.821 χ^2/NDF:38.3/14

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

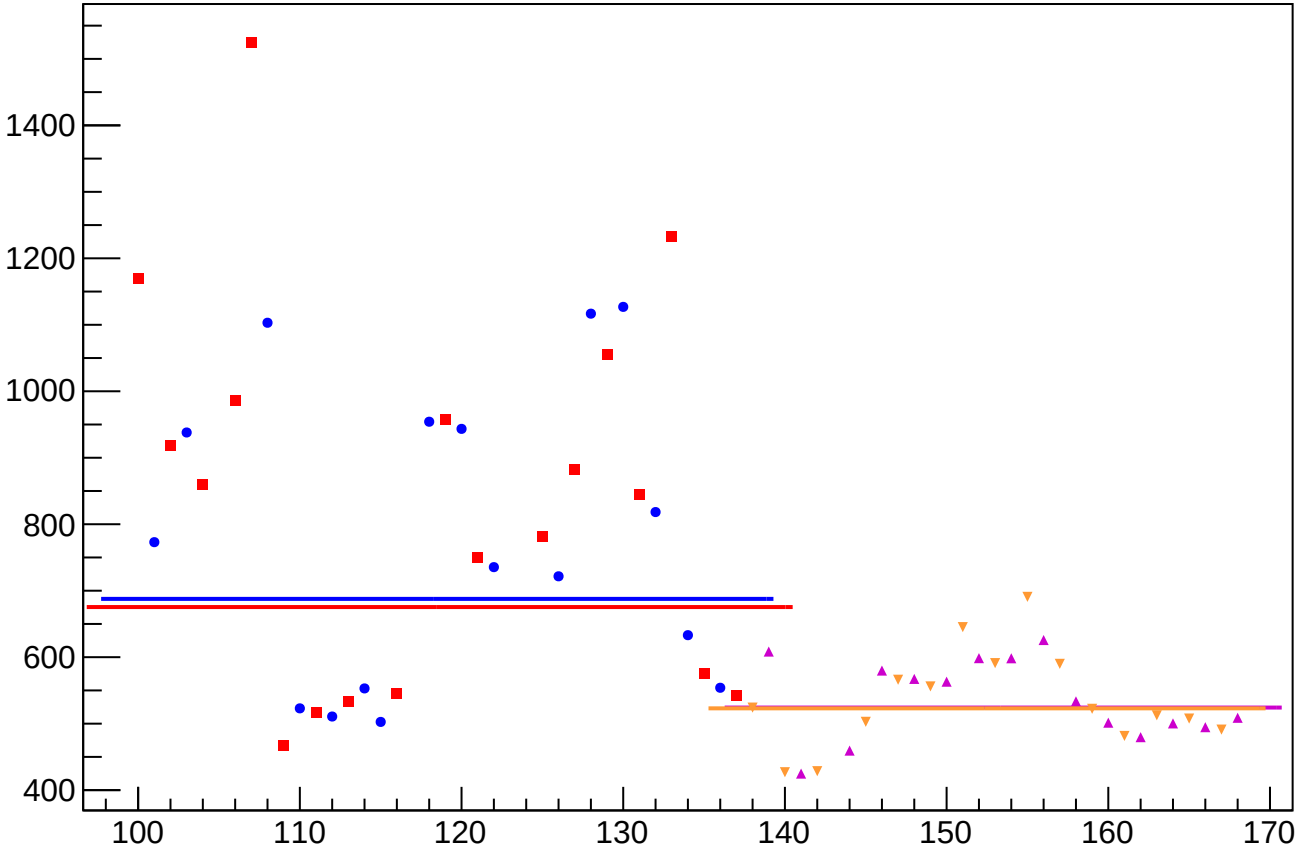
Left In: 11.028+/-150.082 χ^2/NDF:14.9/14

+ sign -698.813+/-133.247 χ^2/NDF: 63.6/30

All: -405.135+/-93.175 χ^2/NDF: 103.0/63

- sign -124.131+/-130.340 χ^2/NDF: 29.8/32

asym_us_dd_reg_correction_rms vs Slug



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

Left Out: 523.038+/-0.109 χ^2/NDF:365864.4/14

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

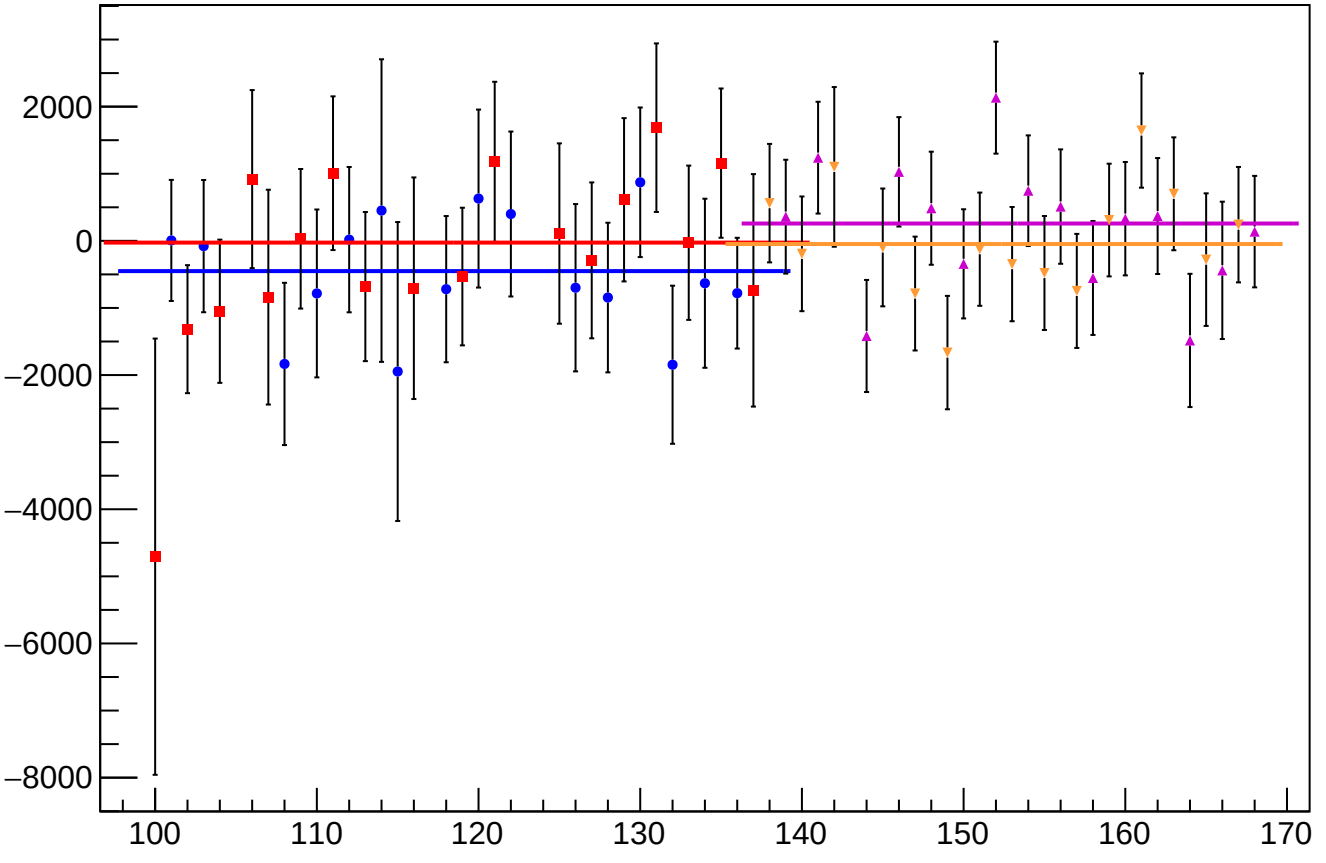
Left In: 524.214+/-0.106 χ^2/NDF:321184.7/14

+ sign 564.145+/-0.094 χ^2/NDF: 1969968.9/30

All: 562.729+/-0.066 χ^2/NDF: 4103487.4/63

- sign 561.375+/-0.092 χ^2/NDF: 2133076.8/32

cor_asym_us_dd_mean vs Slug



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

Left Out: -47.477+/-225.946 χ^2/NDF:12.0/14

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

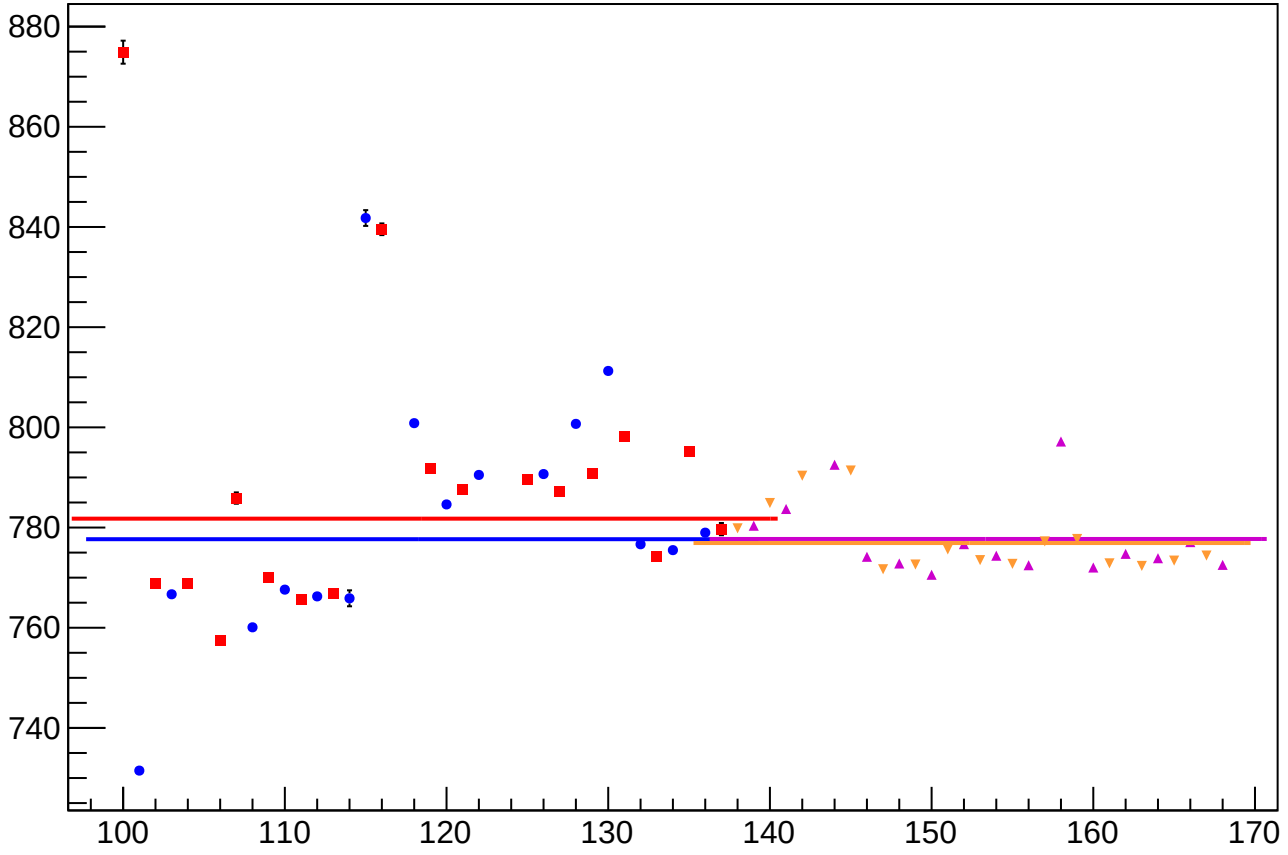
Left In: 258.342+/-220.751 χ^2/NDF:16.9/14

+ sign -200.573+/-177.990 χ^2/NDF: 20.2/30

All: -20.959+/-124.868 χ^2/NDF: 51.4/63

- sign 153.111+/-175.222 χ^2/NDF: 29.2/32

cor_asym_us_dd_rms vs Slug



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

Left Out: 776.909+/-0.160 χ^2/NDF:1356.9/14

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

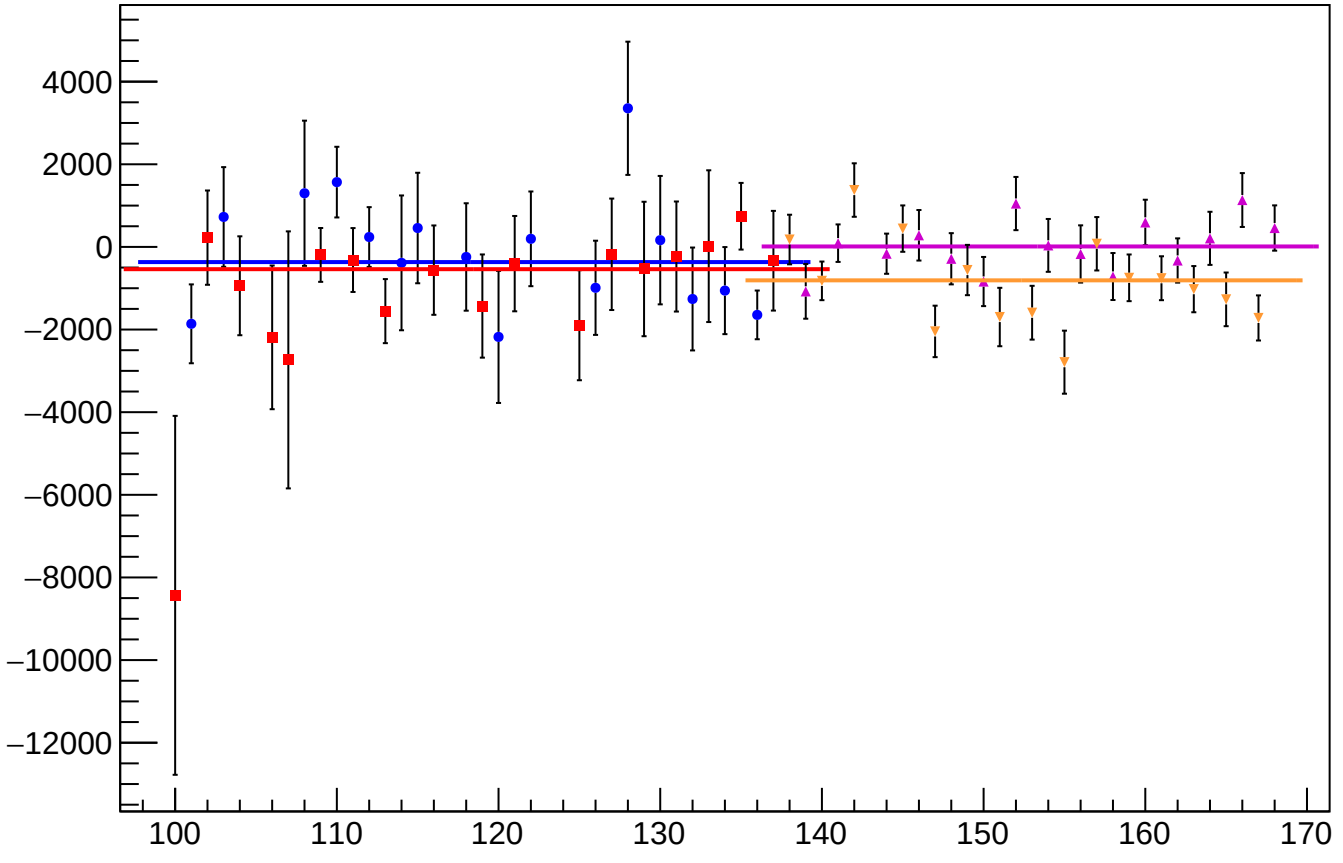
Left In: 777.721+/-0.156 χ^2/NDF:2397.3/14

+ sign 777.199+/-0.126 χ^2/NDF: 13421.1/30

All: 778.226+/-0.088 χ^2/NDF: 23825.5/63

- sign 779.222+/-0.124 χ^2/NDF: 10273.3/32

asym_us_dd_cor_correction_mean vs Slug



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

Left Out: -809.188+/-153.821 χ^2/NDF:38.3/14

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

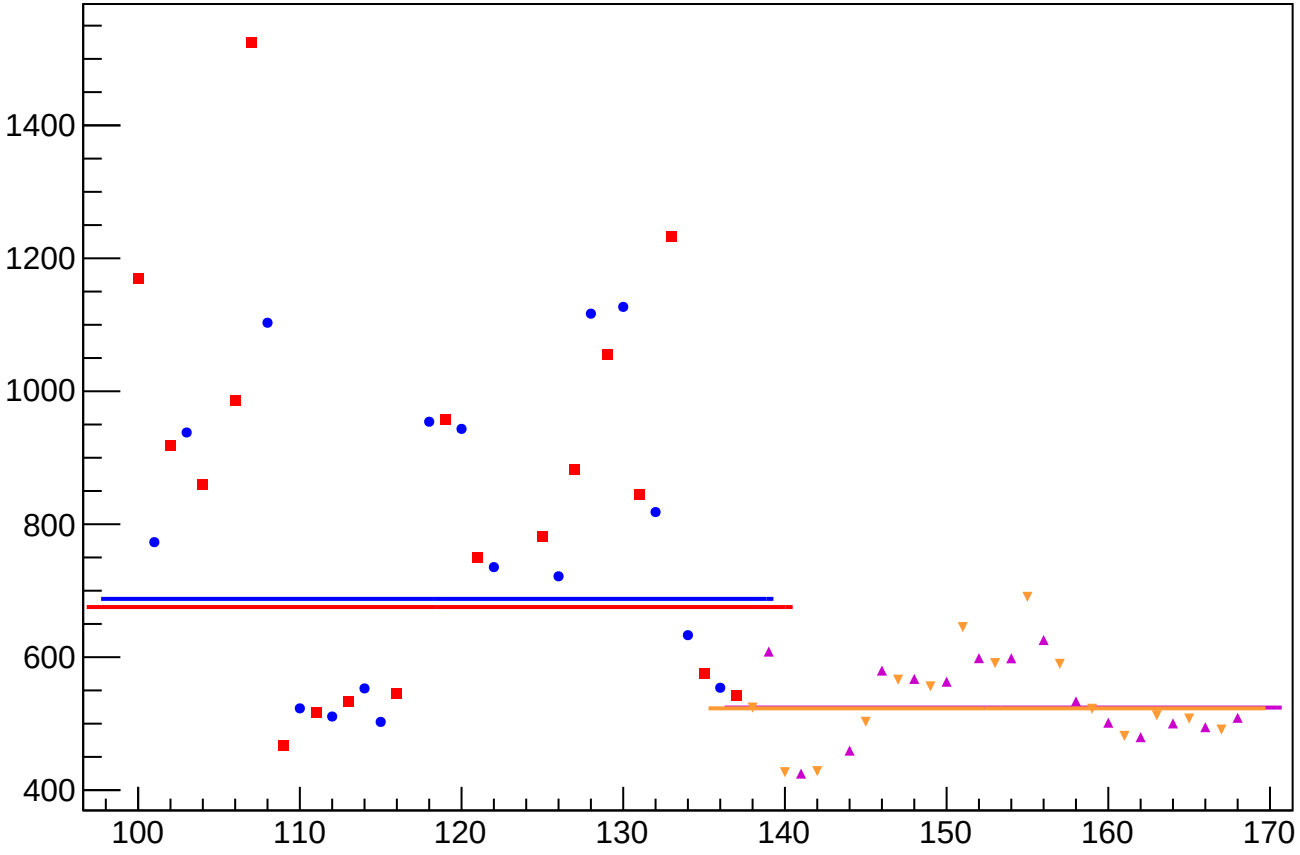
Left In: 11.028+/-150.082 χ^2/NDF:14.9/14

+ sign -698.813+/-133.247 χ^2/NDF: 63.6/30

All: -405.135+/-93.175 χ^2/NDF: 103.0/63

- sign -124.131+/-130.340 χ^2/NDF: 29.8/32

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 523.038+/-0.109 χ^2/NDF:365864.4/14

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

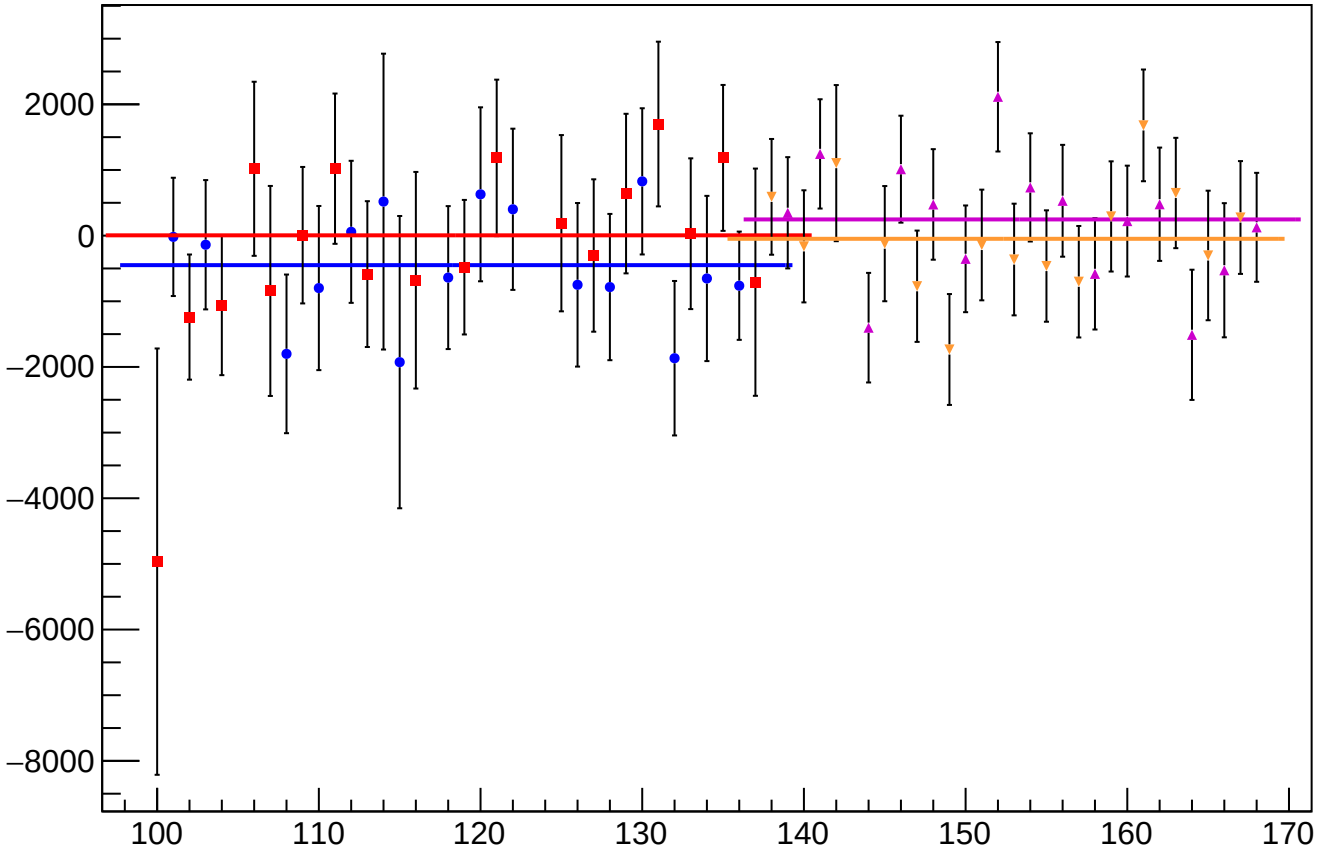
Left In: 524.214+/-0.106 χ^2/NDF:321184.7/14

+ sign 564.145+/-0.094 χ^2/NDF: 1969968.9/30

All: 562.729+/-0.066 χ^2/NDF: 4103487.4/63

- sign 561.375+/-0.092 χ^2/NDF: 2133076.8/32

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: -48.285+/-225.738 χ^2/NDF:12.4/14

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

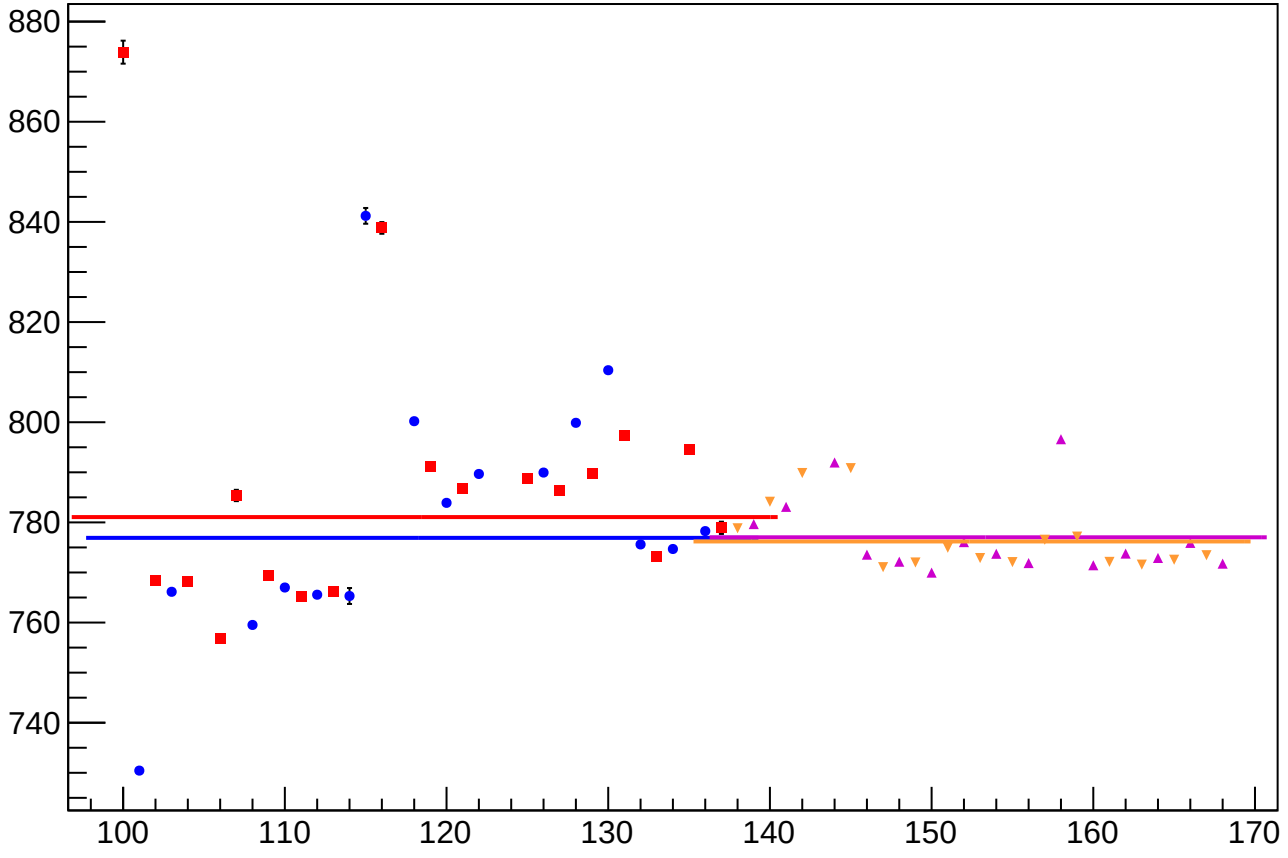
Left In: 246.826+/-220.553 χ^2/NDF:17.1/14

+ sign -200.507+/-177.823 χ^2/NDF: 20.3/30

All: -18.843+/-124.753 χ^2/NDF: 51.8/63

- sign 157.227+/-175.063 χ^2/NDF: 29.4/32

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 776.194+/-0.160 χ^2/NDF:1373.3/14

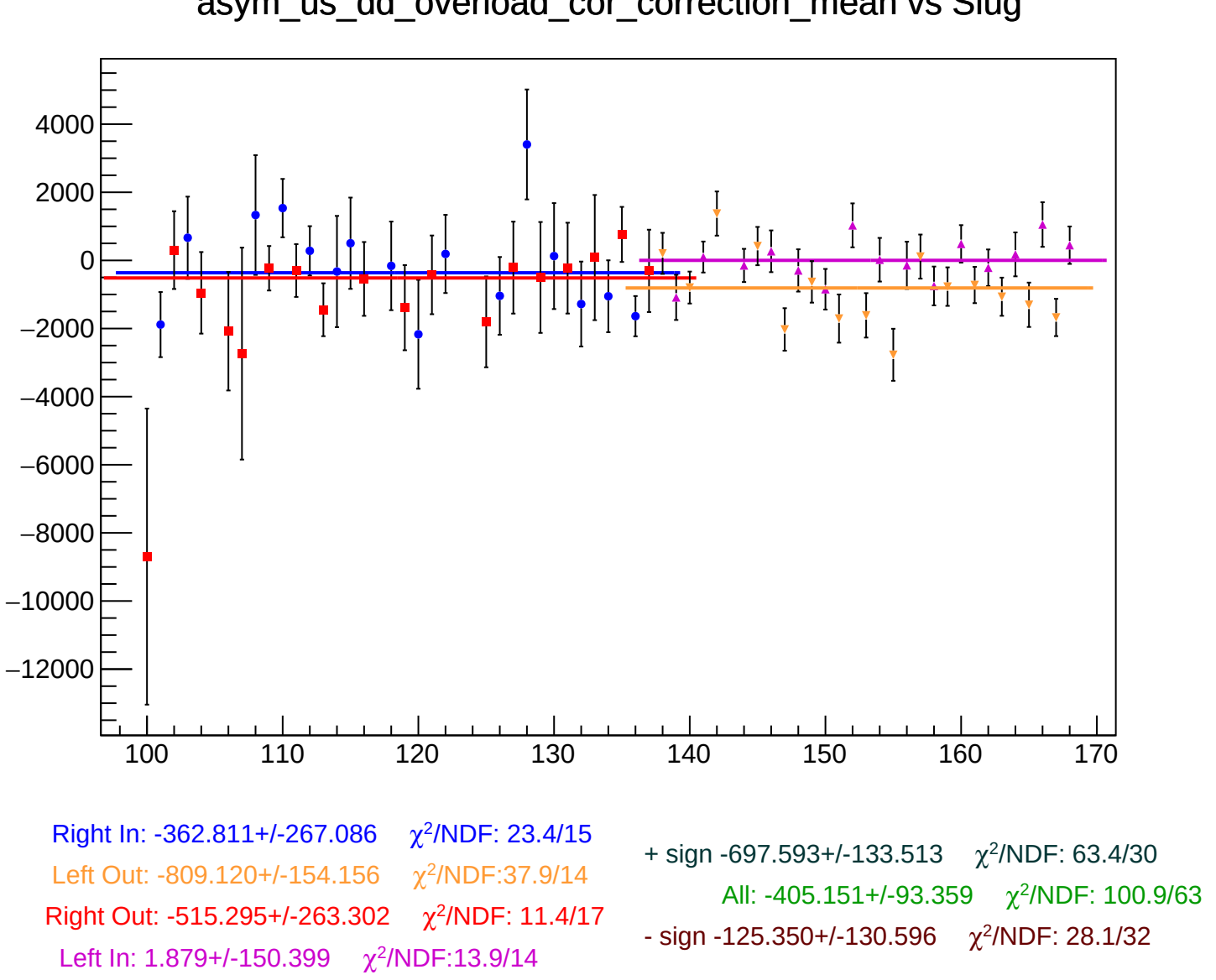
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 777.023+/-0.156 χ^2/NDF:2427.8/14

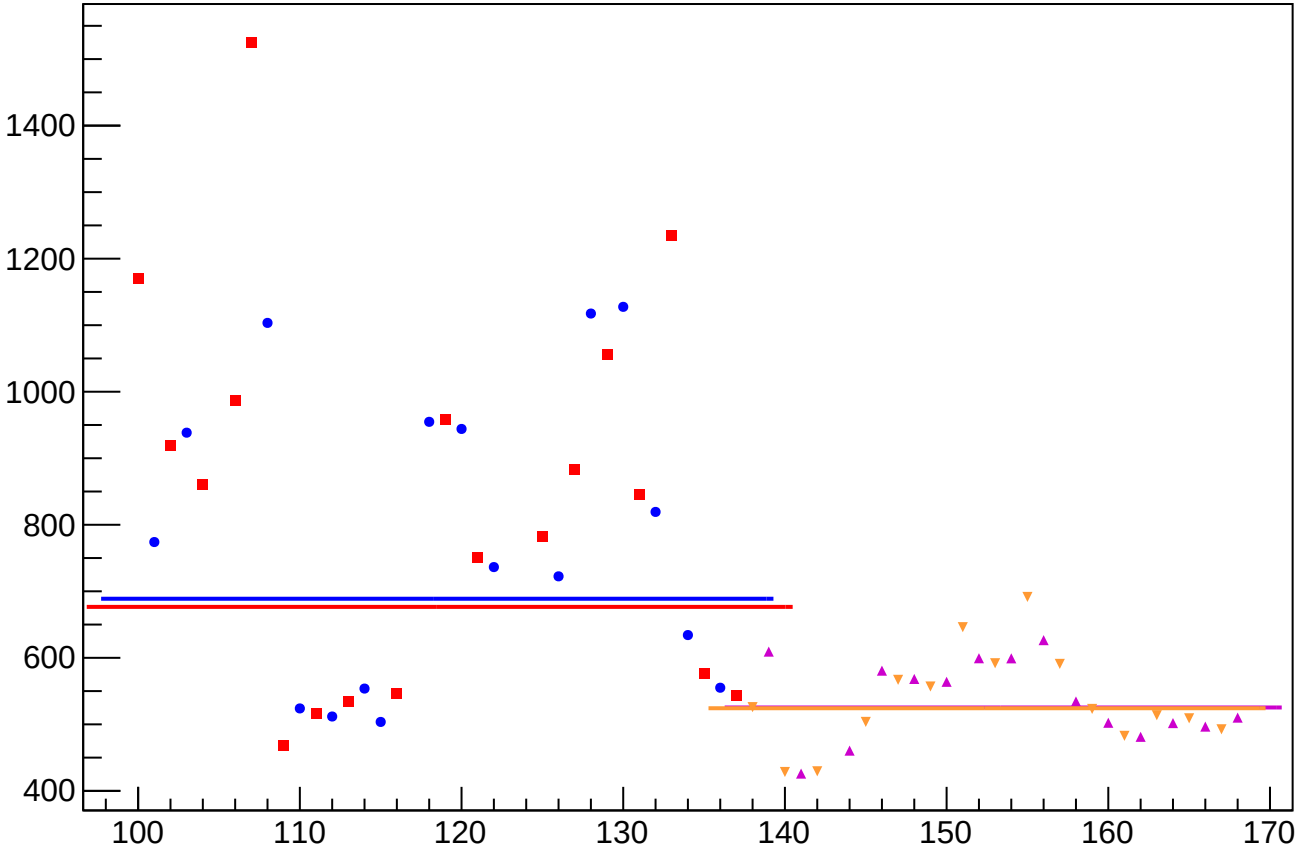
+ sign 776.467+/-0.126 χ^2/NDF: 13504.6/30

All: 777.508+/-0.088 χ^2/NDF: 23901.1/63

- sign 778.517+/-0.124 χ^2/NDF: 10261.6/32


asym_us_dd_overload_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: -362.811+/-267.086 χ²/NDF: 23.4/15
Left Out: -809.120+/-154.156 χ²/NDF:37.9/14
Right Out: -515.295+/-263.302 χ²/NDF: 11.4/17
Left In: 1.879+/-150.399 χ²/NDF:13.9/14
+ sign -697.593+/-133.513 χ²/NDF: 63.4/30
All: -405.151+/-93.359 χ²/NDF: 100.9/63
- sign -125.350+/-130.596 χ²/NDF: 28.1/32

asym_us_dd_overload_cor_correction_rms vs Slug



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

Left Out: 524.227+/-0.109 χ^2/NDF:362633.2/14

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

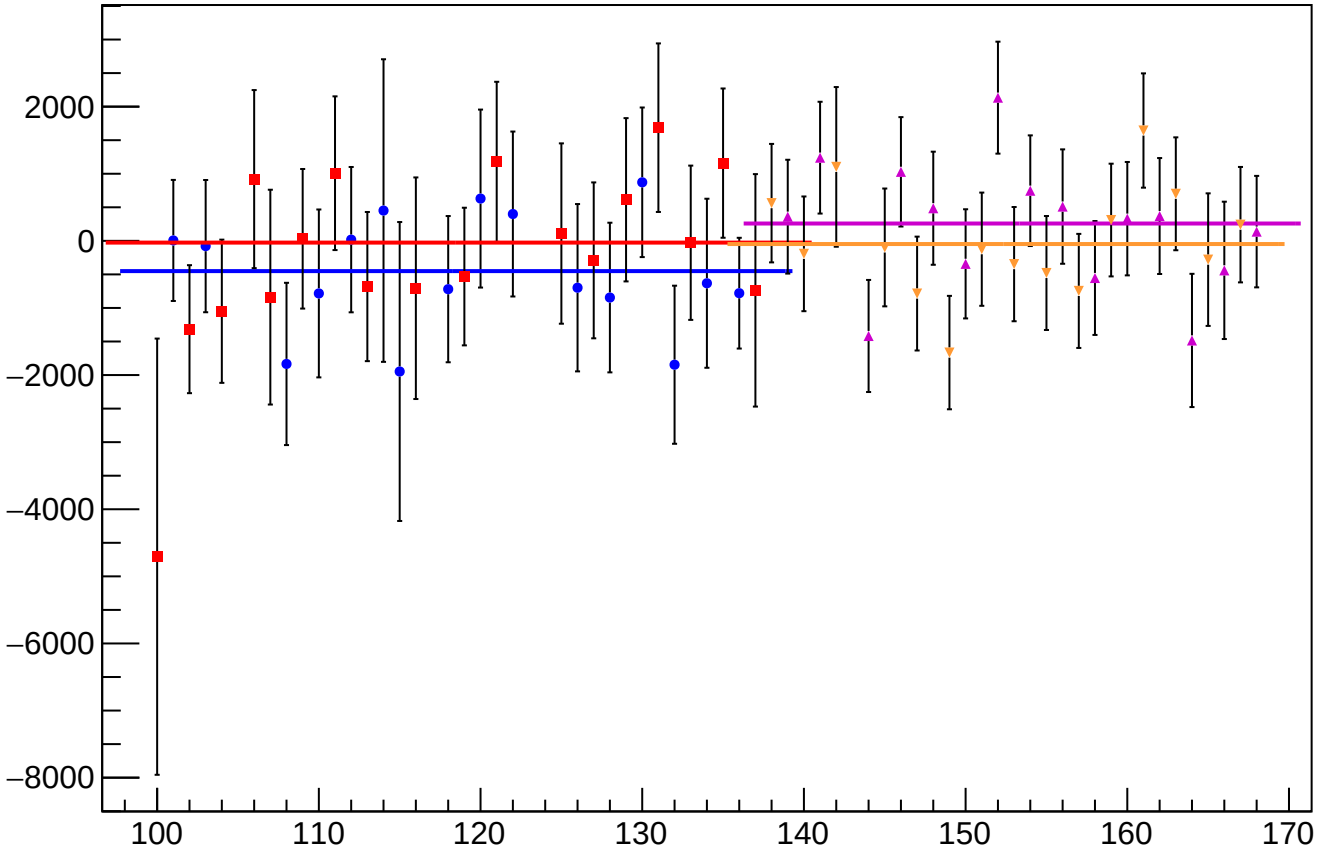
Left In: 525.360+/-0.106 χ^2/NDF:318217.2/14

+ sign 565.359+/-0.094 χ^2/NDF: 1960551.9/30

All: 563.928+/-0.066 χ^2/NDF: 4084603.8/63

- sign 562.559+/-0.092 χ^2/NDF: 2123602.4/32

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: -47.477+/-225.946 χ^2/NDF:12.0/14

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

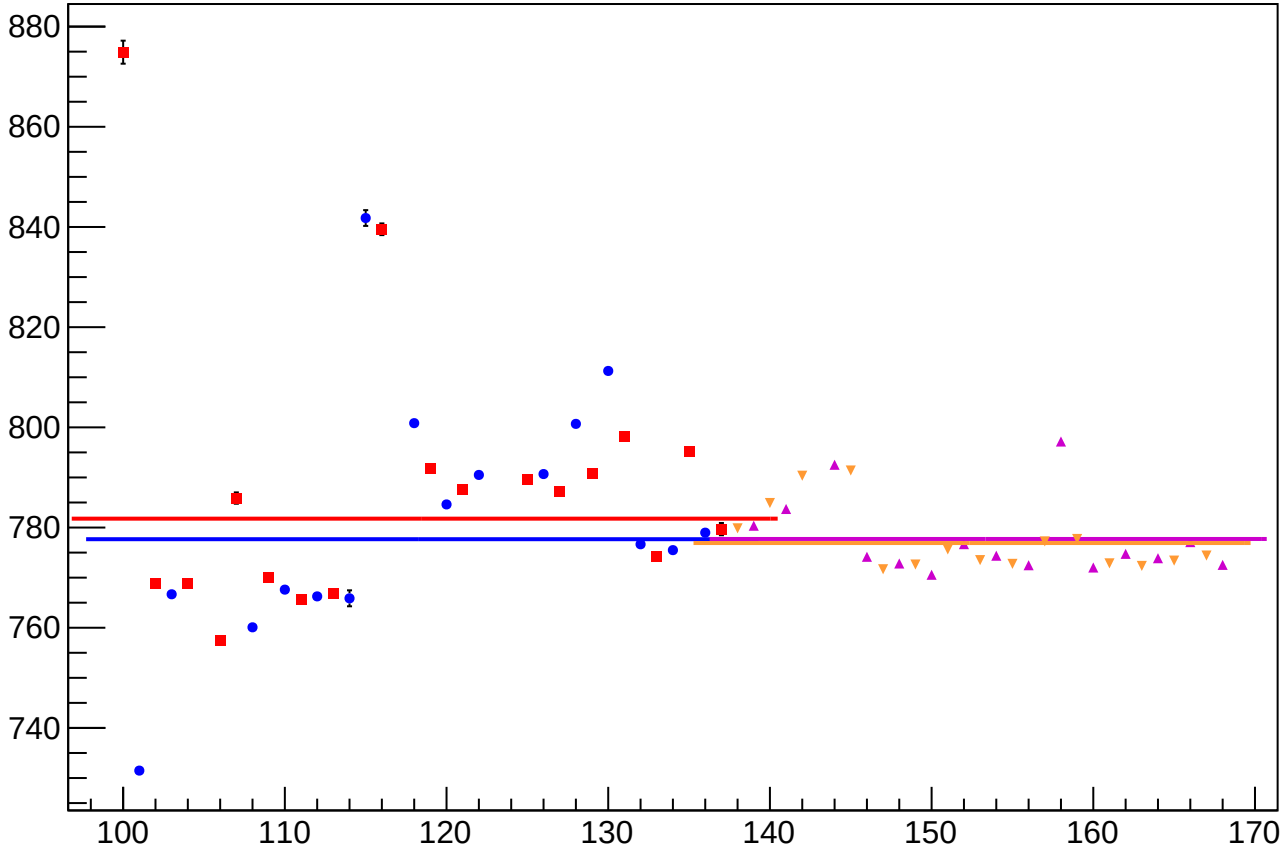
Left In: 258.342+/-220.751 χ^2/NDF:16.9/14

+ sign -200.573+/-177.990 χ^2/NDF: 20.2/30

All: -20.959+/-124.868 χ^2/NDF: 51.4/63

- sign 153.111+/-175.222 χ^2/NDF: 29.2/32

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 776.909+/-0.160 χ^2/NDF:1356.9/14

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

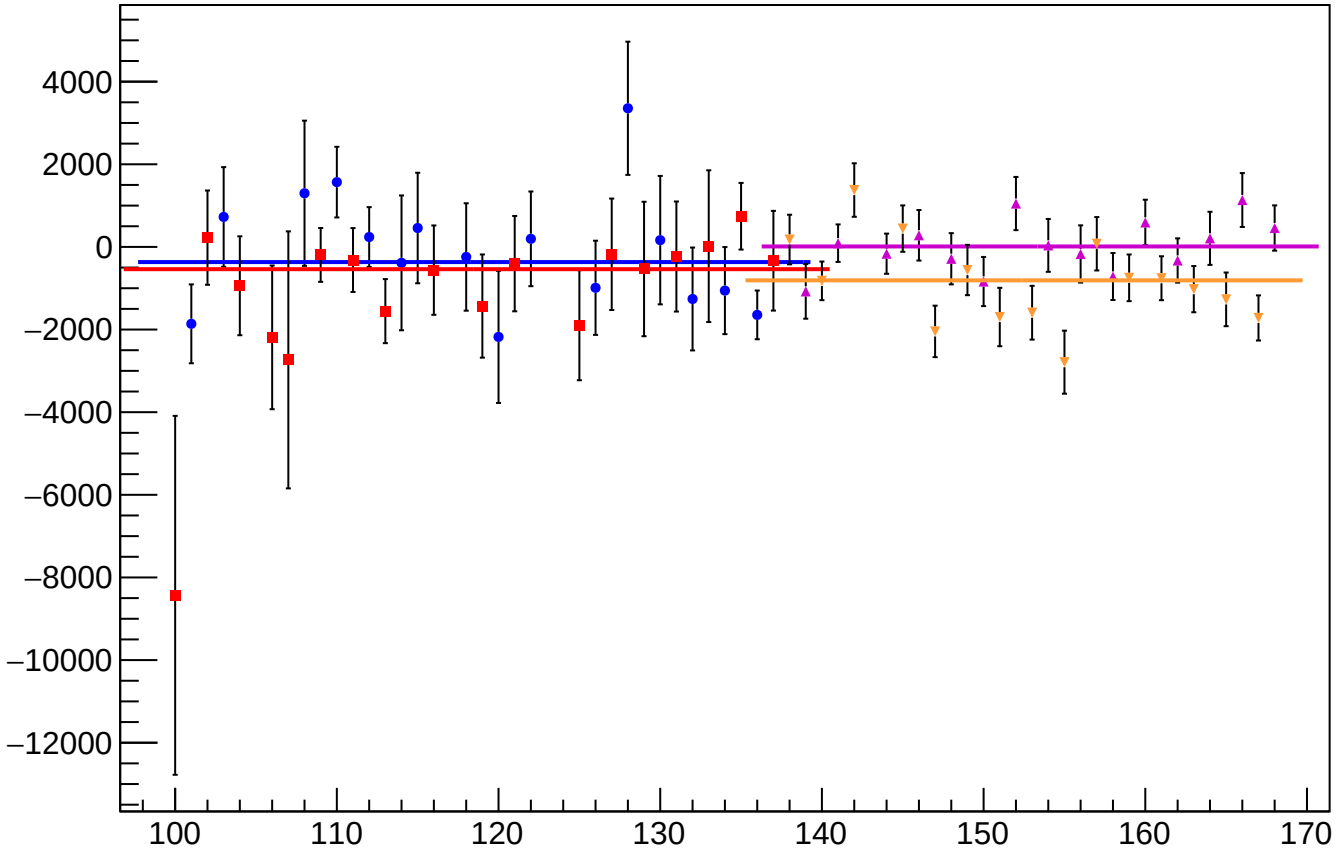
Left In: 777.721+/-0.156 χ^2/NDF:2397.3/14

+ sign 777.199+/-0.126 χ^2/NDF: 13421.1/30

All: 778.226+/-0.088 χ^2/NDF: 23825.5/63

- sign 779.222+/-0.124 χ^2/NDF: 10273.3/32

asym_us_dd_eigen_cor_correction_mean vs Slug



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

Left Out: -809.188+/-153.821 χ^2/NDF:38.3/14

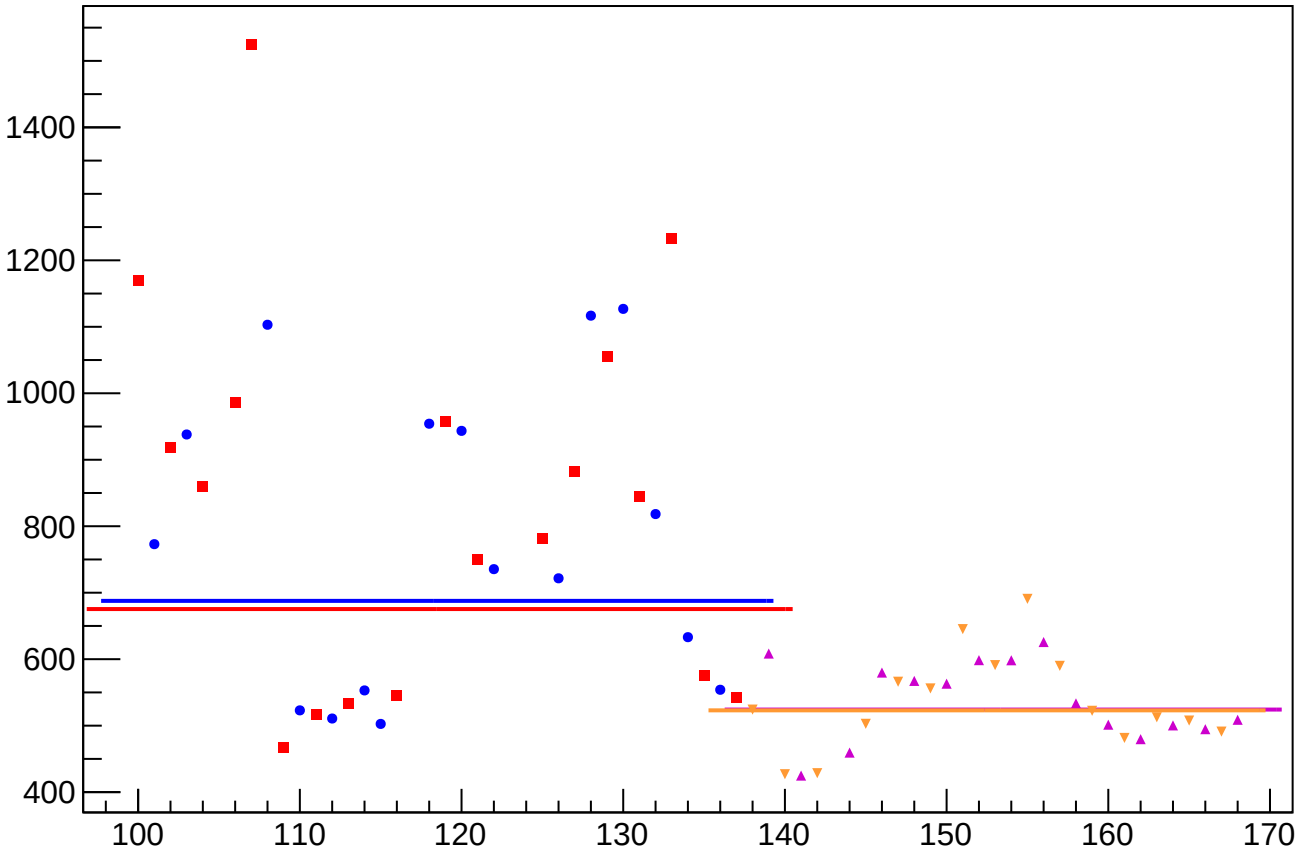
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: 11.028+/-150.082 χ^2/NDF:14.9/14

+ sign -698.813+/-133.247 χ^2/NDF: 63.6/30

All: -405.135+/-93.175 χ^2/NDF: 103.0/63

- sign -124.131+/-130.340 χ^2/NDF: 29.8/32



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

Left Out: 523.038+/-0.109 χ^2/NDF:365864.4/14

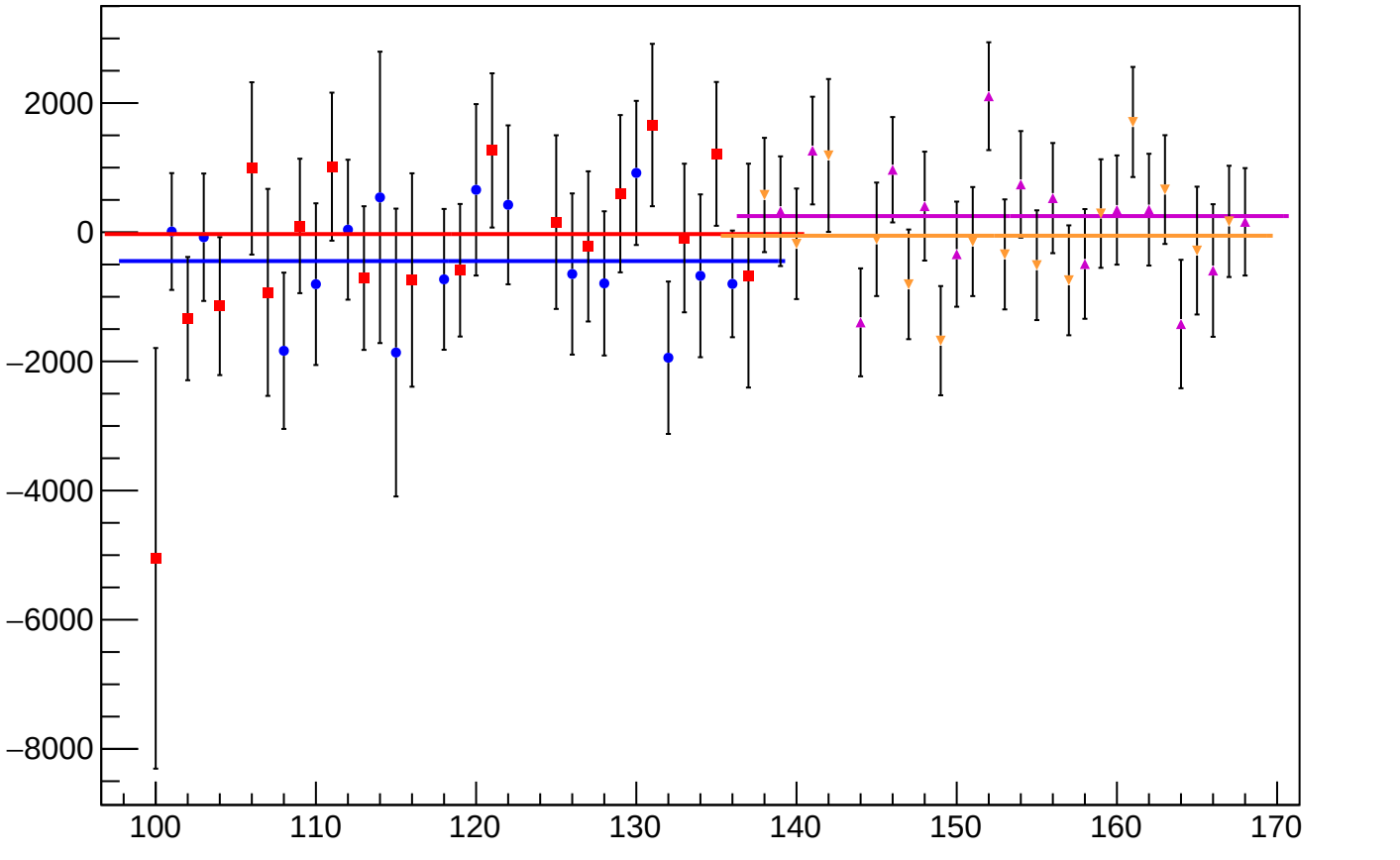
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 524.214+/-0.106 χ^2/NDF:321184.7/14

+ sign 564.145+/-0.094 χ^2/NDF: 1969968.9/30

All: 562.729+/-0.066 χ^2/NDF: 4103487.4/63

- sign 561.375+/-0.092 χ^2/NDF: 2133076.8/32



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

Left Out: -54.220+/-226.140 χ^2/NDF:12.5/14

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

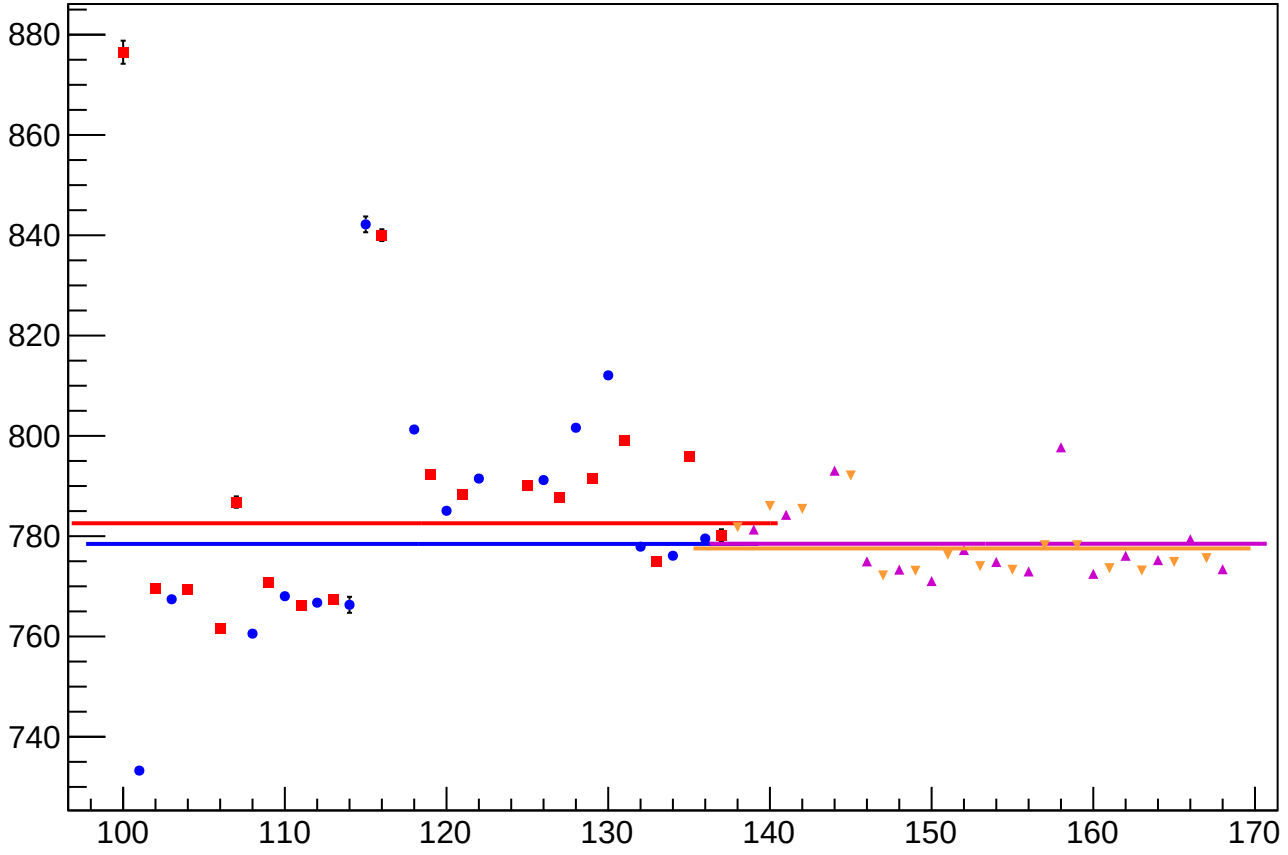
Left In: 249.773+/-220.969 χ^2/NDF:16.4/14

+ sign -203.102+/-178.152 χ^2/NDF: 20.9/30

All: -25.464+/-124.987 χ^2/NDF: 52.5/63

- sign 146.721+/-175.397 χ^2/NDF: 29.6/32

dit_asym_us_dd_rms vs Slug



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

Left Out: 777.550+/-0.160 χ^2/NDF:1227.7/14

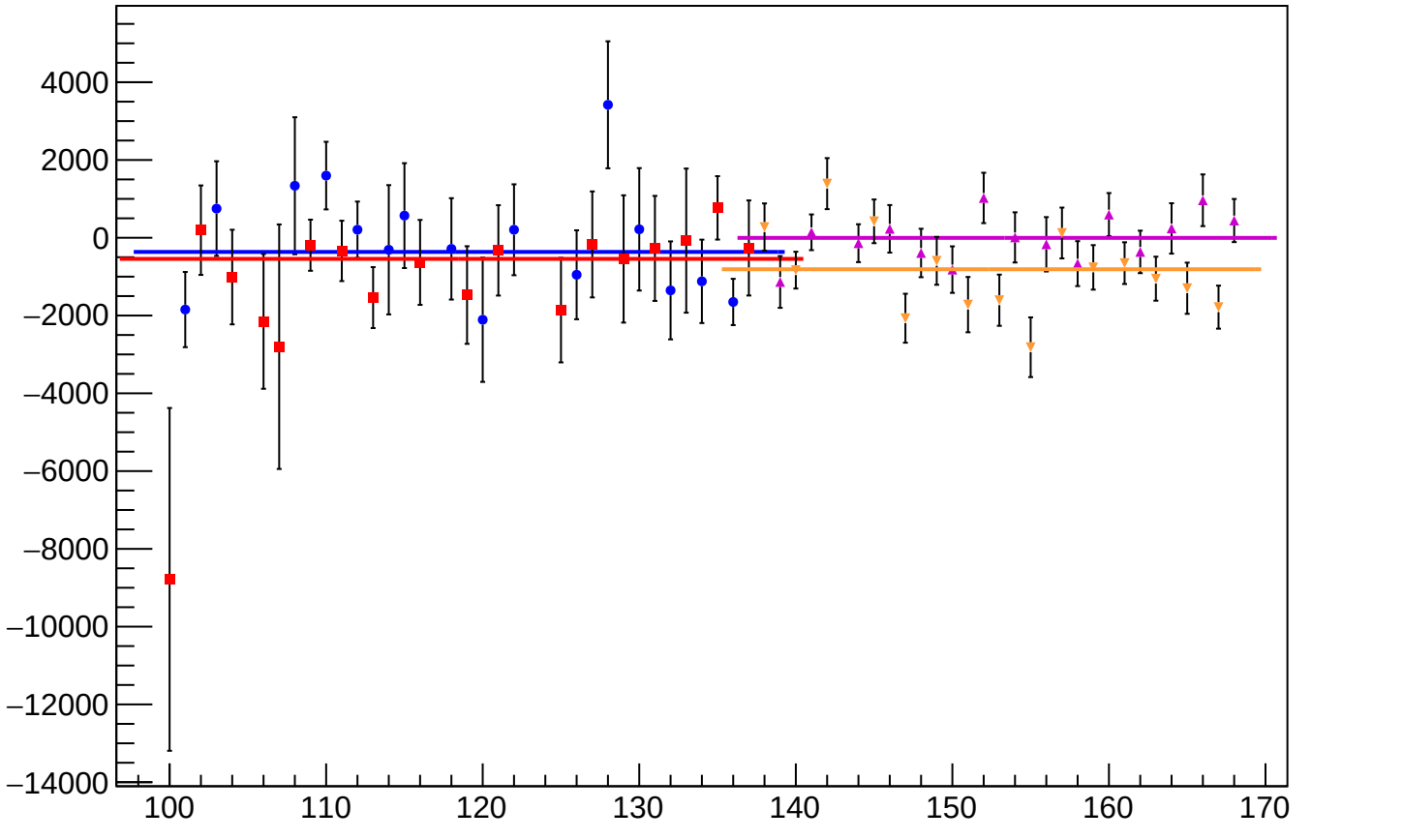
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 778.489+/-0.156 χ^2/NDF:2370.5/14

+ sign 777.894+/-0.126 χ^2/NDF: 13035.0/30

All: 778.963+/-0.088 χ^2/NDF: 23282.1/63

- sign 780.000+/-0.124 χ^2/NDF: 10105.0/32



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

Left Out: -809.495+/-155.425 χ^2/NDF:39.3/14

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

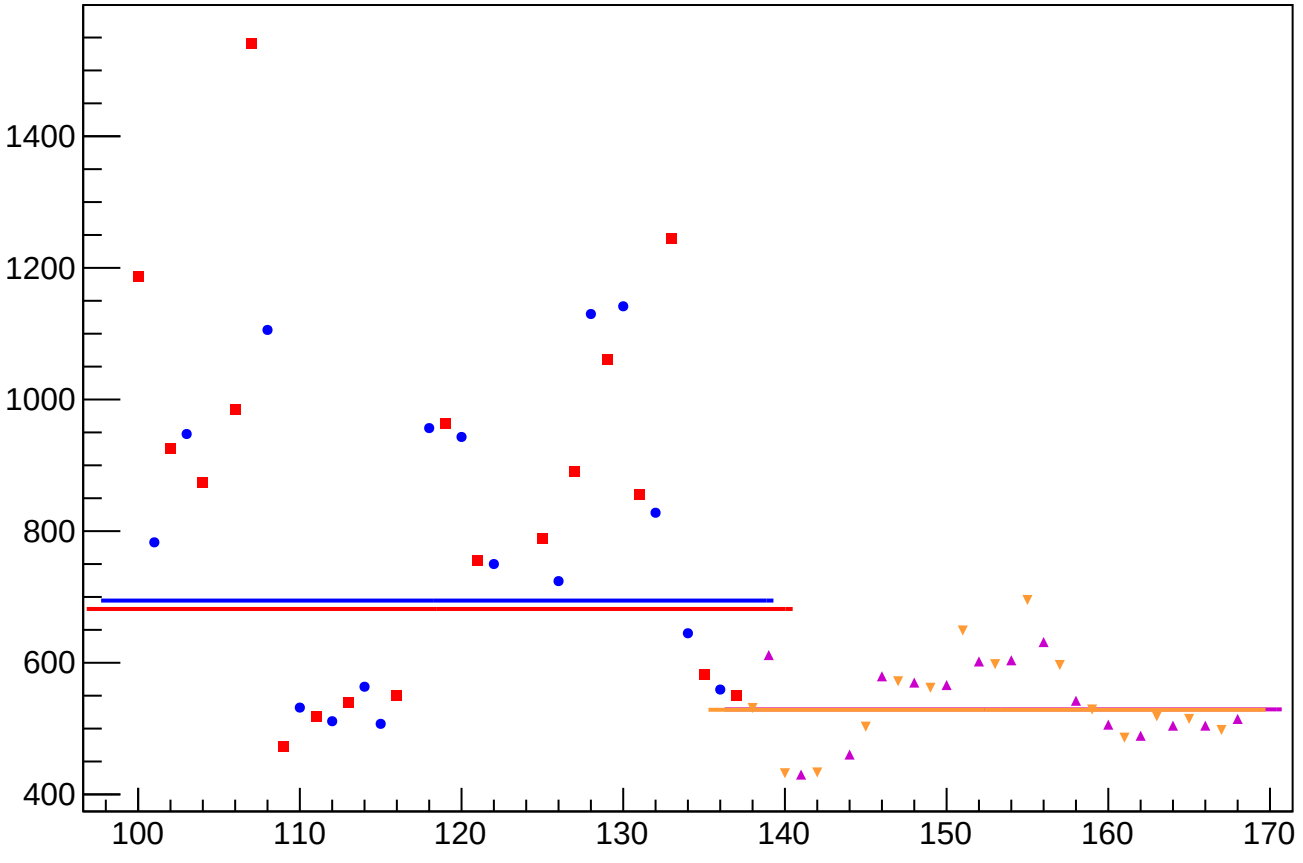
Left In: -2.923+/-151.451 χ^2/NDF:13.9/14

+ sign -698.185+/-134.616 χ^2/NDF: 64.6/30

All: -410.388+/-94.076 χ^2/NDF: 102.3/63

- sign -135.658+/-131.525 χ^2/NDF: 28.8/32

asym_us_dd_dit_correction_rms vs Slug



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

Left Out: 528.598+/-0.110 χ^2/NDF:360744.1/14

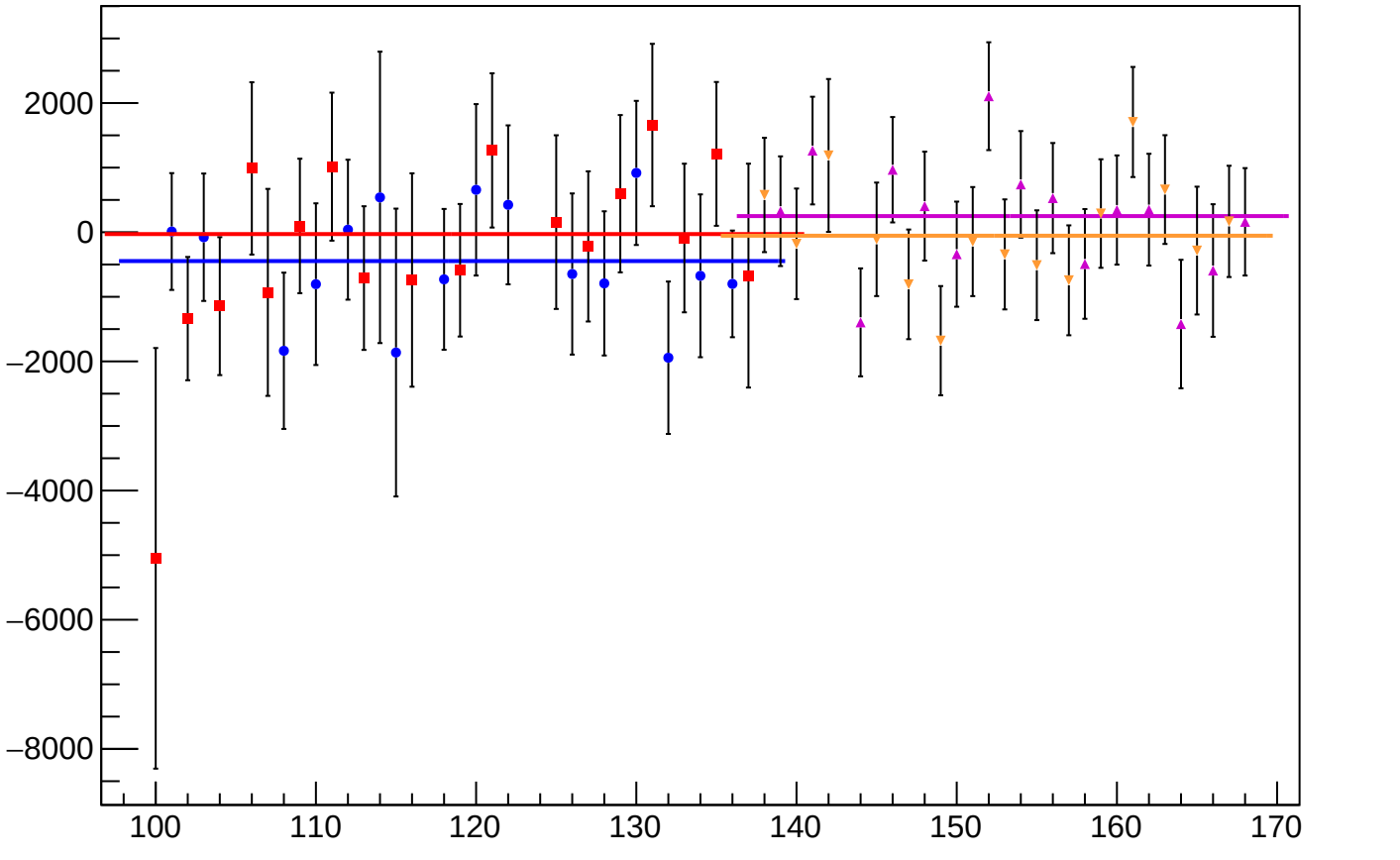
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 529.193+/-0.107 χ^2/NDF:310485.8/14

+ sign 570.054+/-0.095 χ^2/NDF: 1960106.2/30

All: 568.335+/-0.067 χ^2/NDF: 4081373.0/63

- sign 566.694+/-0.093 χ^2/NDF: 2120629.3/32



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

Left Out: -54.221+/-226.140 χ^2/NDF:12.5/14

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

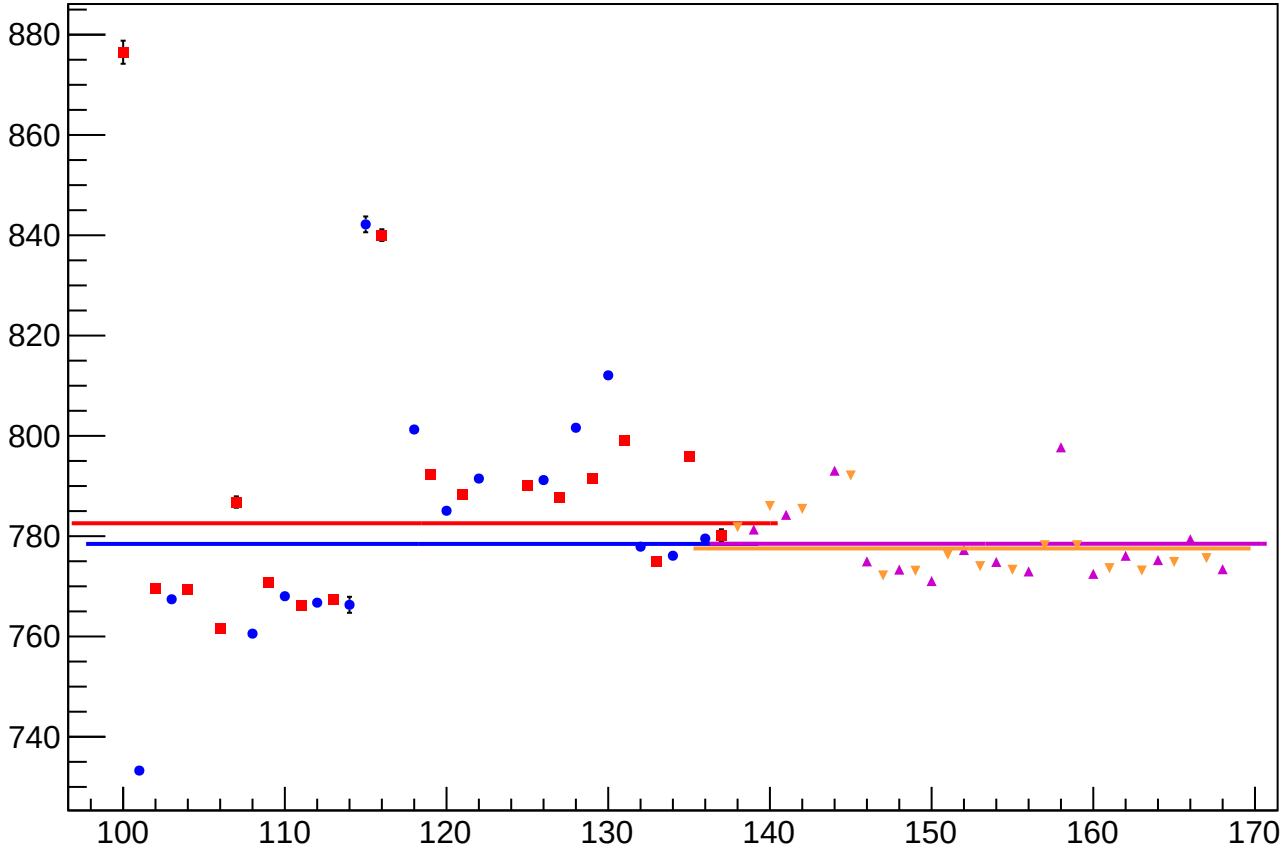
Left In: 249.773+/-220.969 χ^2/NDF:16.4/14

+ sign -203.103+/-178.152 χ^2/NDF: 20.9/30

All: -25.464+/-124.987 χ^2/NDF: 52.5/63

- sign 146.722+/-175.397 χ^2/NDF: 29.6/32

eigen_dit_asym_us_dd_rms vs Slug



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

Left Out: 777.550+/-0.160 χ^2/NDF:1227.7/14

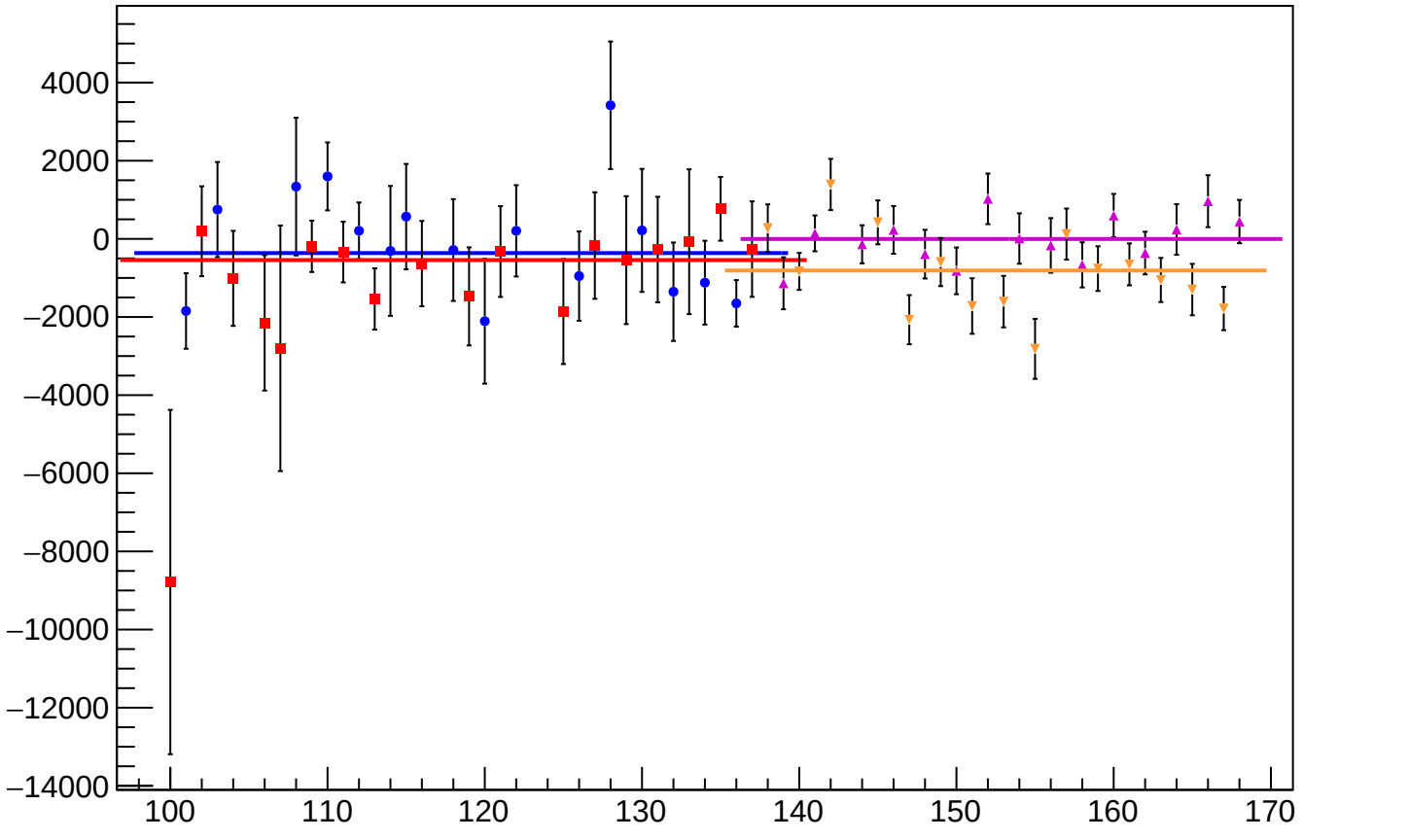
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 778.489+/-0.156 χ^2/NDF:2370.5/14

+ sign 777.894+/-0.126 χ^2/NDF: 13035.0/30

All: 778.963+/-0.088 χ^2/NDF: 23282.0/63

- sign 780.000+/-0.124 χ^2/NDF: 10105.0/32



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

Left Out: -809.495+/-155.425 χ^2/NDF:39.3/14

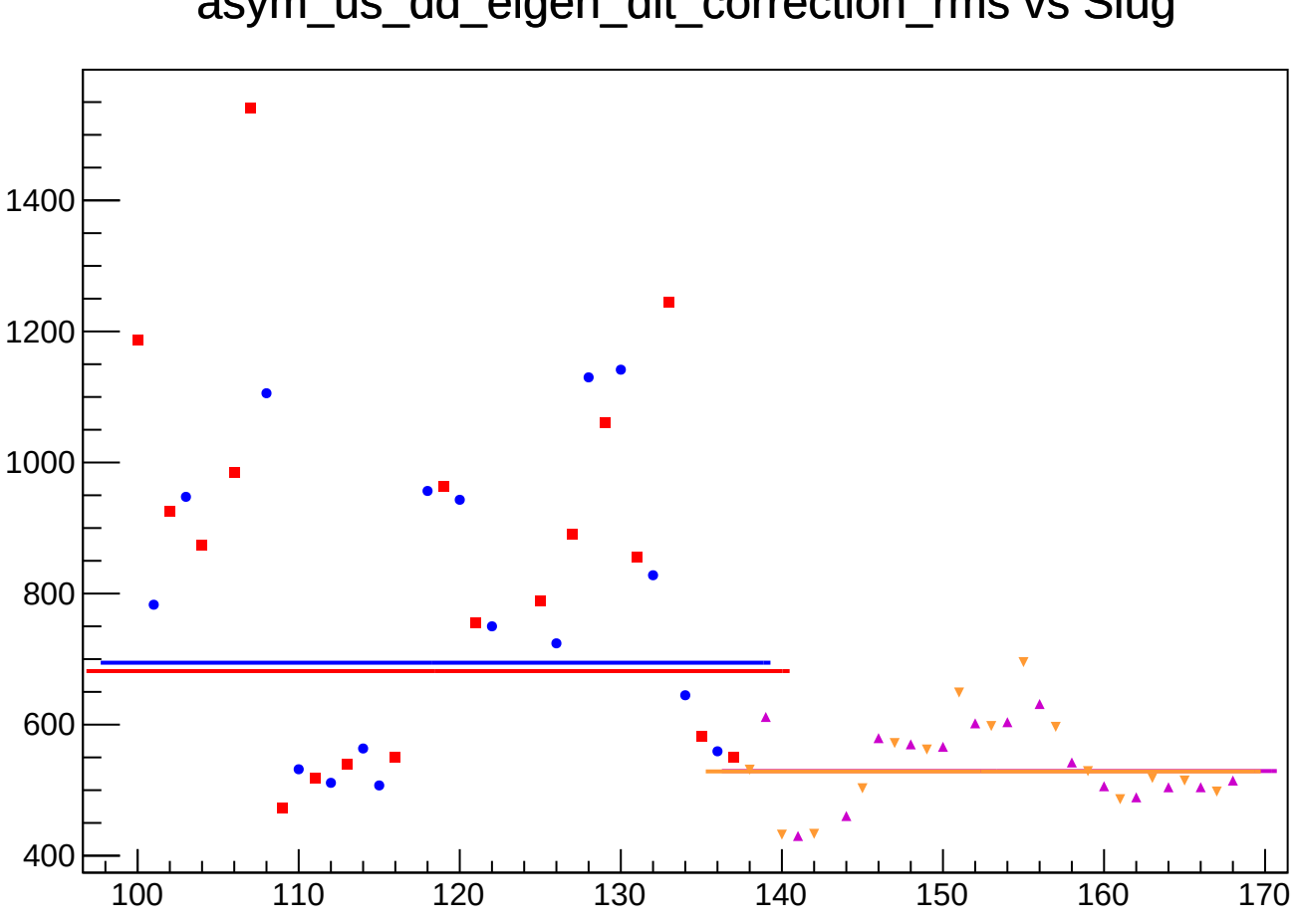
Right Out: -542.878+/-265.272 χ^2/NDF: 11.8/17

Left In: -2.921+/-151.451 χ^2/NDF:13.9/14

+ sign -698.182+/-134.616 χ^2/NDF: 64.6/30

All: -410.387+/-94.076 χ^2/NDF: 102.3/63

- sign -135.658+/-131.525 χ^2/NDF: 28.8/32



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

Left Out: 528.598+/-0.110 χ^2/NDF:360756.6/14

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

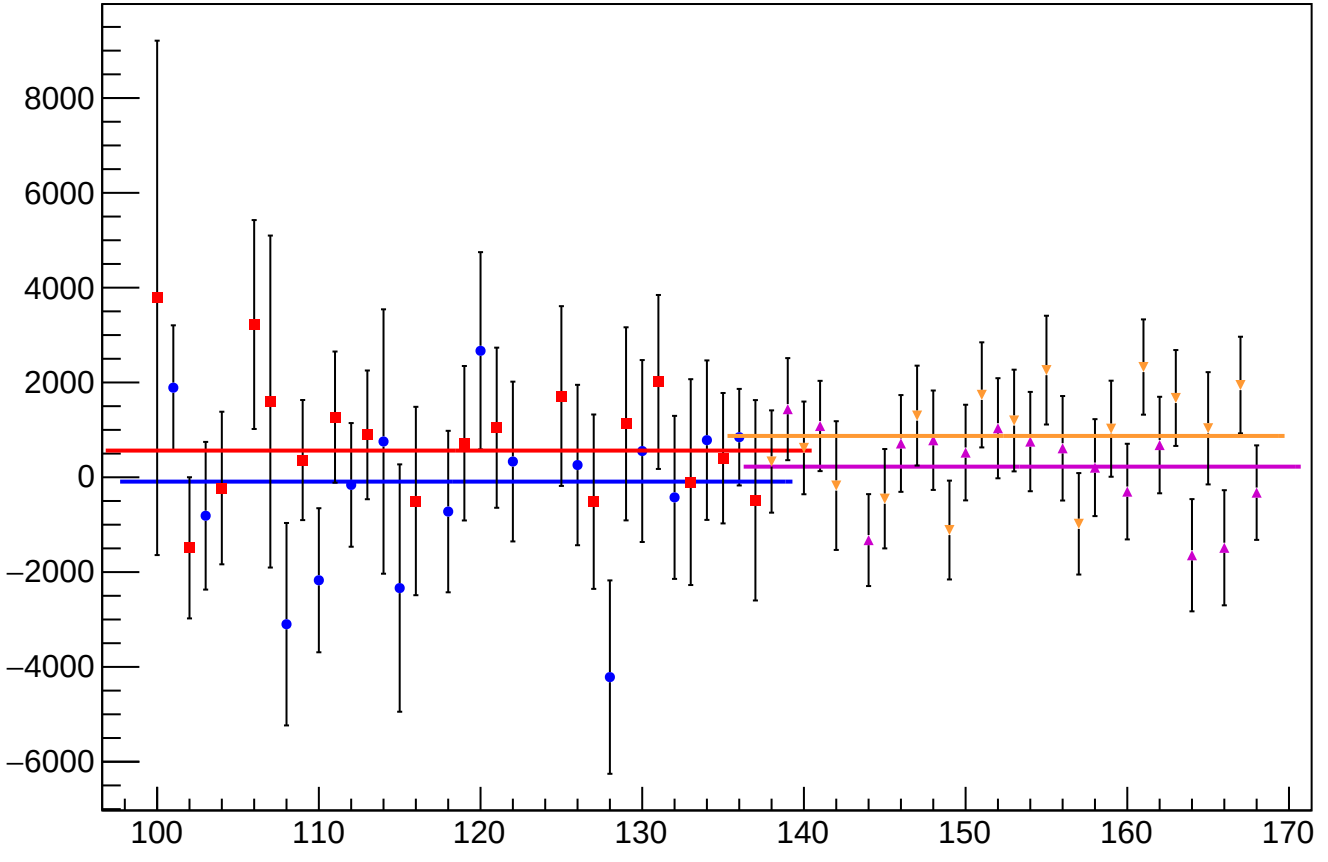
Left In: 529.193+/-0.107 χ^2/NDF:310498.3/14

+ sign 570.053+/-0.095 χ^2/NDF: 1960110.2/30

All: 568.334+/-0.067 χ^2/NDF: 4081390.0/63

- sign 566.693+/-0.093 χ^2/NDF: 2120642.4/32

asym_us_dd_mean vs Slug



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

Left Out: 872.301+/-276.165 χ^2/NDF:15.3/14

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

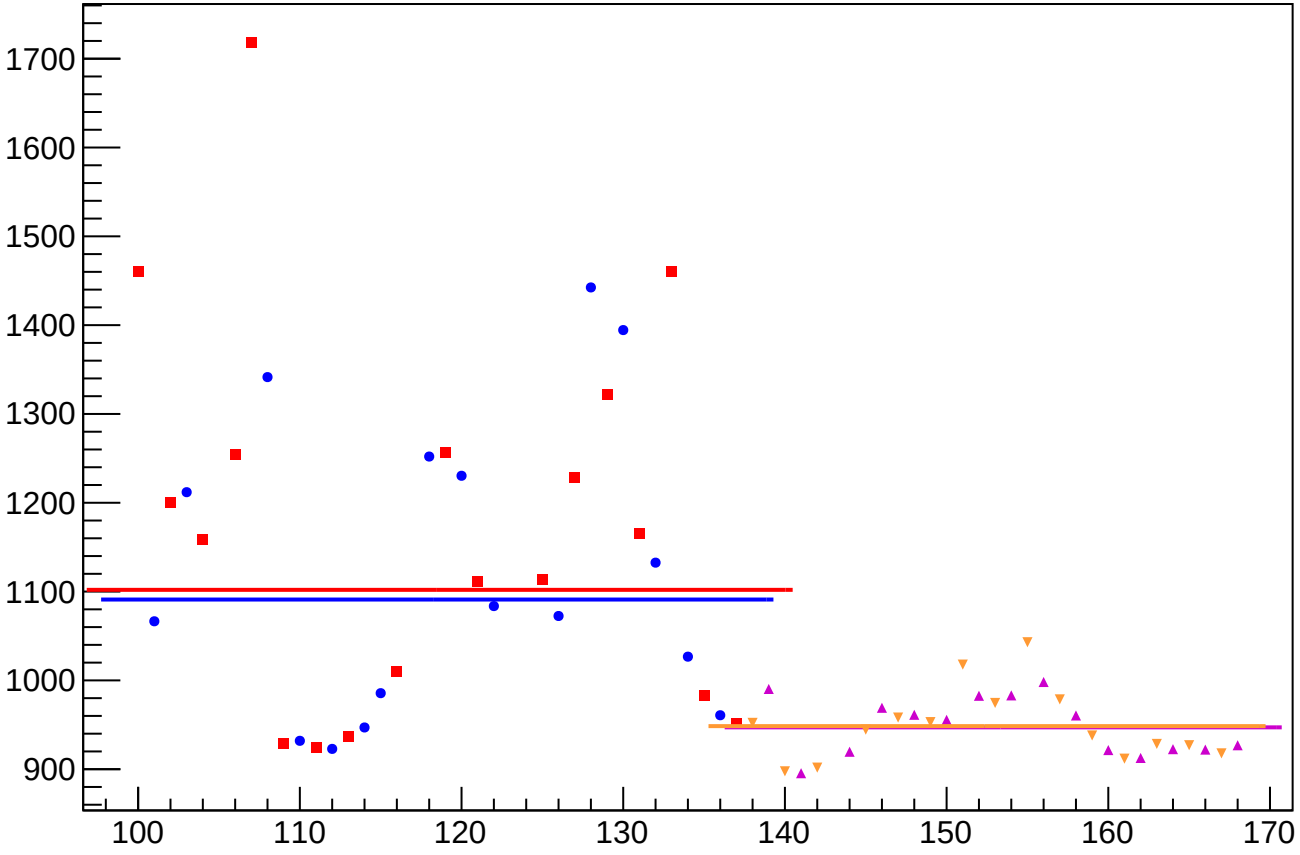
Left In: 224.310+/-269.032 χ^2/NDF:11.5/14

+ sign 571.515+/-229.043 χ^2/NDF: 33.7/30

All: 446.569+/-160.578 χ^2/NDF: 52.7/63

- sign 325.793+/-225.188 χ^2/NDF: 18.5/32

asym_us_dd_rms vs Slug



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

Left Out: 948.503+/-0.195 χ^2/NDF:38302.8/14

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

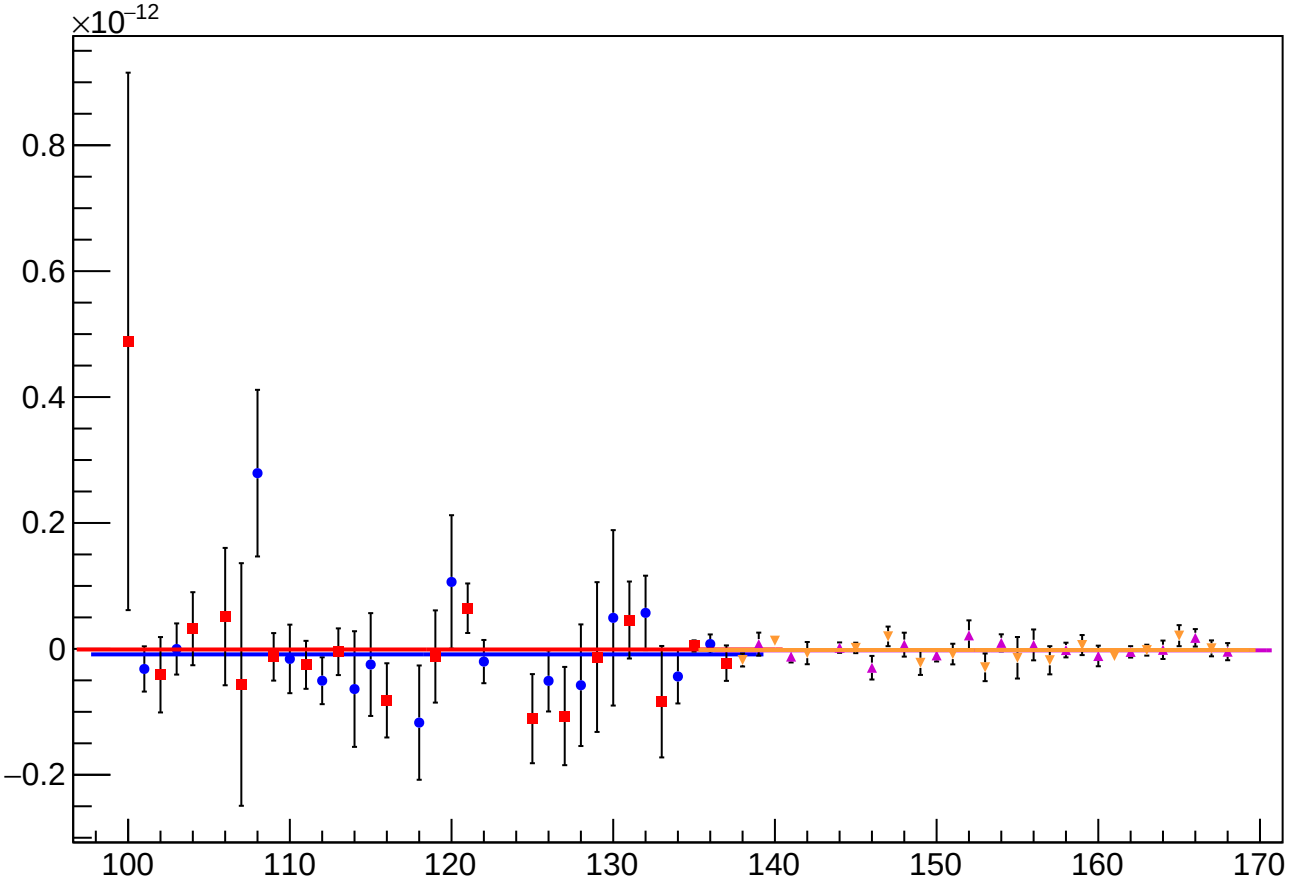
Left In: 947.119+/-0.190 χ^2/NDF:27527.5/14

+ sign 992.995+/-0.162 χ^2/NDF: 481915.9/30

All: 993.238+/-0.114 χ^2/NDF: 1035876.9/63

- sign 993.473+/-0.159 χ^2/NDF: 553956.6/32

asym_us_dd_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/14

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

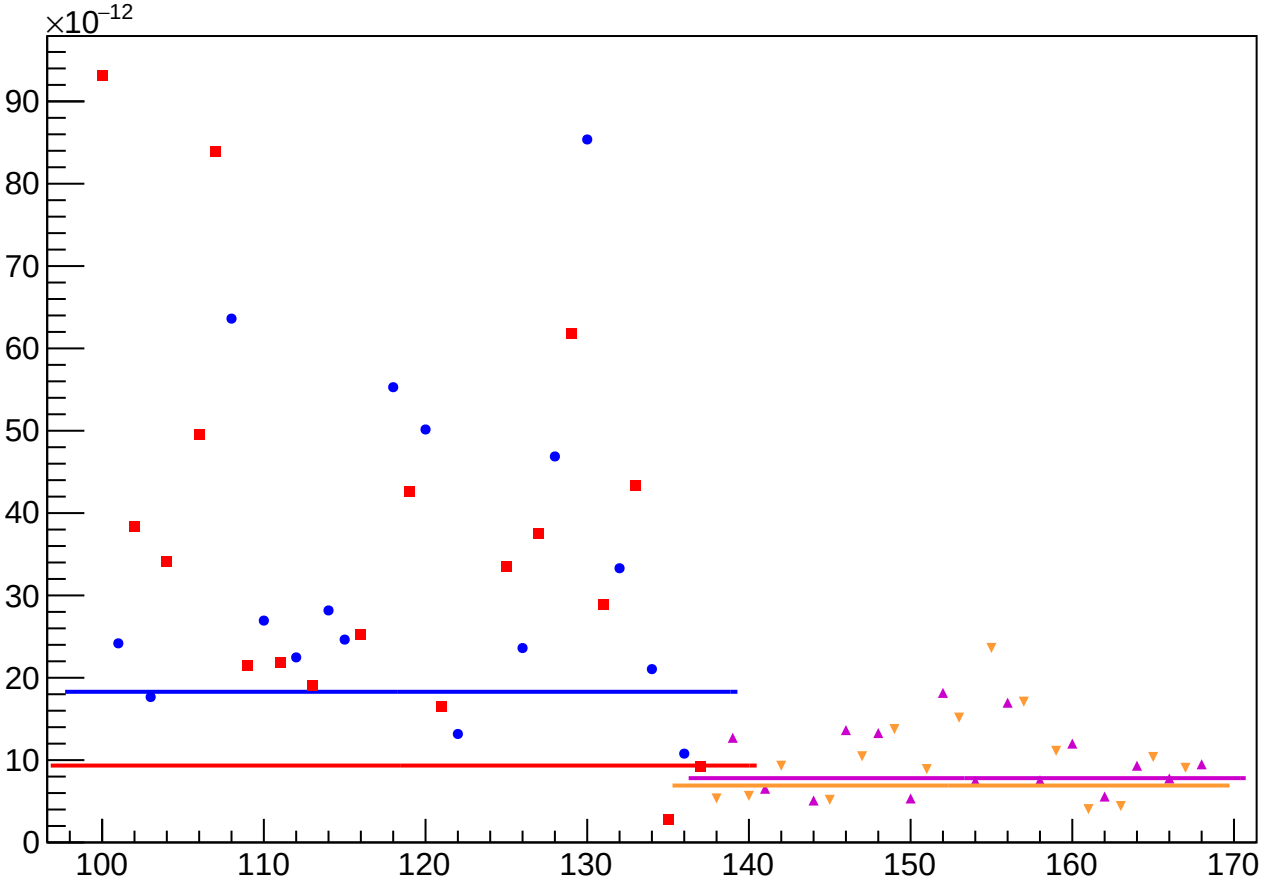
Left In: -0.000+/-0.000 χ^2/NDF:9.1/14

+ sign -0.000+/-0.000 χ^2/NDF: 29.7/30

All: -0.000+/-0.000 χ^2/NDF: 53.1/63

- sign -0.000+/-0.000 χ^2/NDF: 23.4/32

asym_us_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2242543.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2555005.6/14

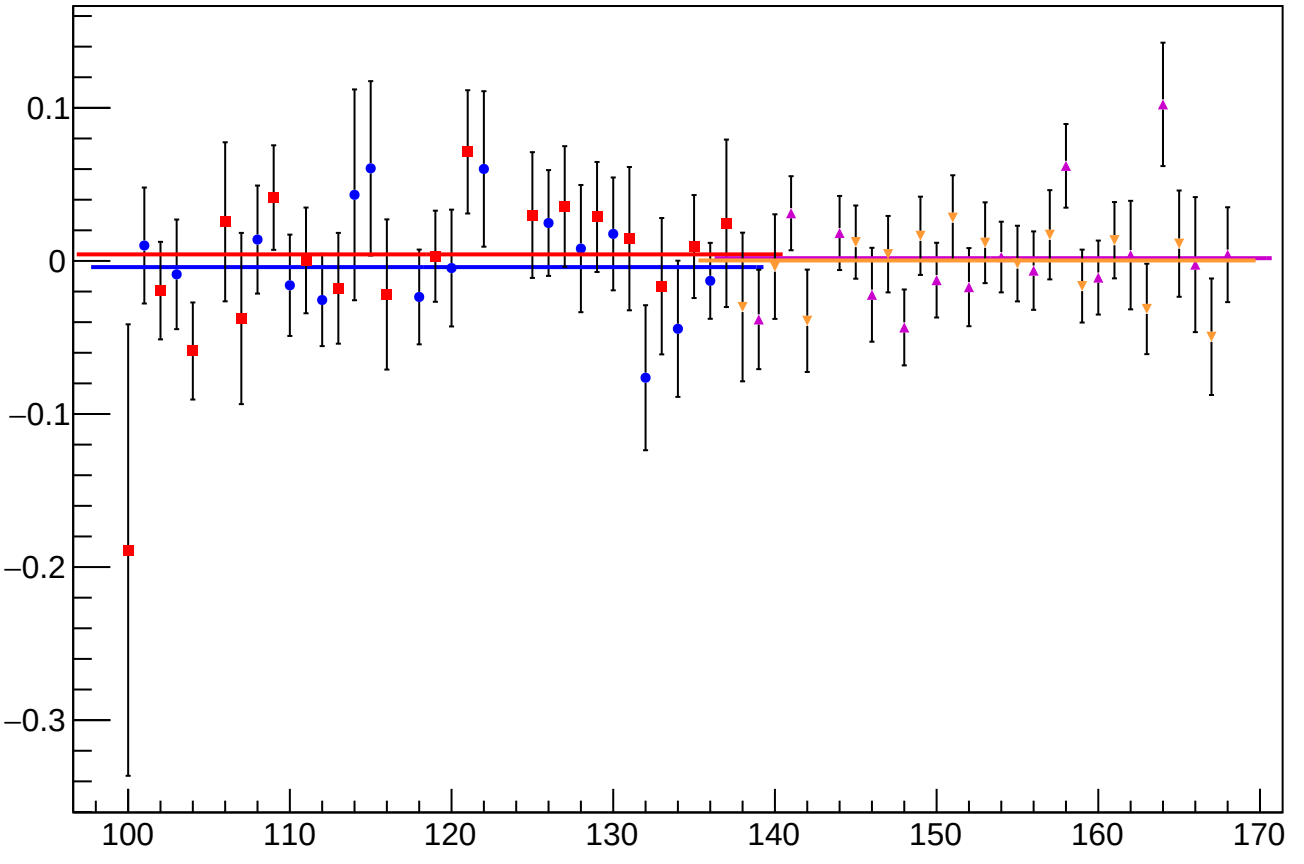
Right Out: 0.000+/-0.000 χ^2/NDF: 5140446.0/17

Left In: 0.000+/-0.000 χ^2/NDF:1852011.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 7063133.9/30

All: 0.000+/-0.000 χ^2/NDF: 14133139.8/63

- sign 0.000+/-0.000 χ^2/NDF: 7065631.6/32



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

Left Out: 0.000+/-0.007 χ^2/NDF:7.8/14

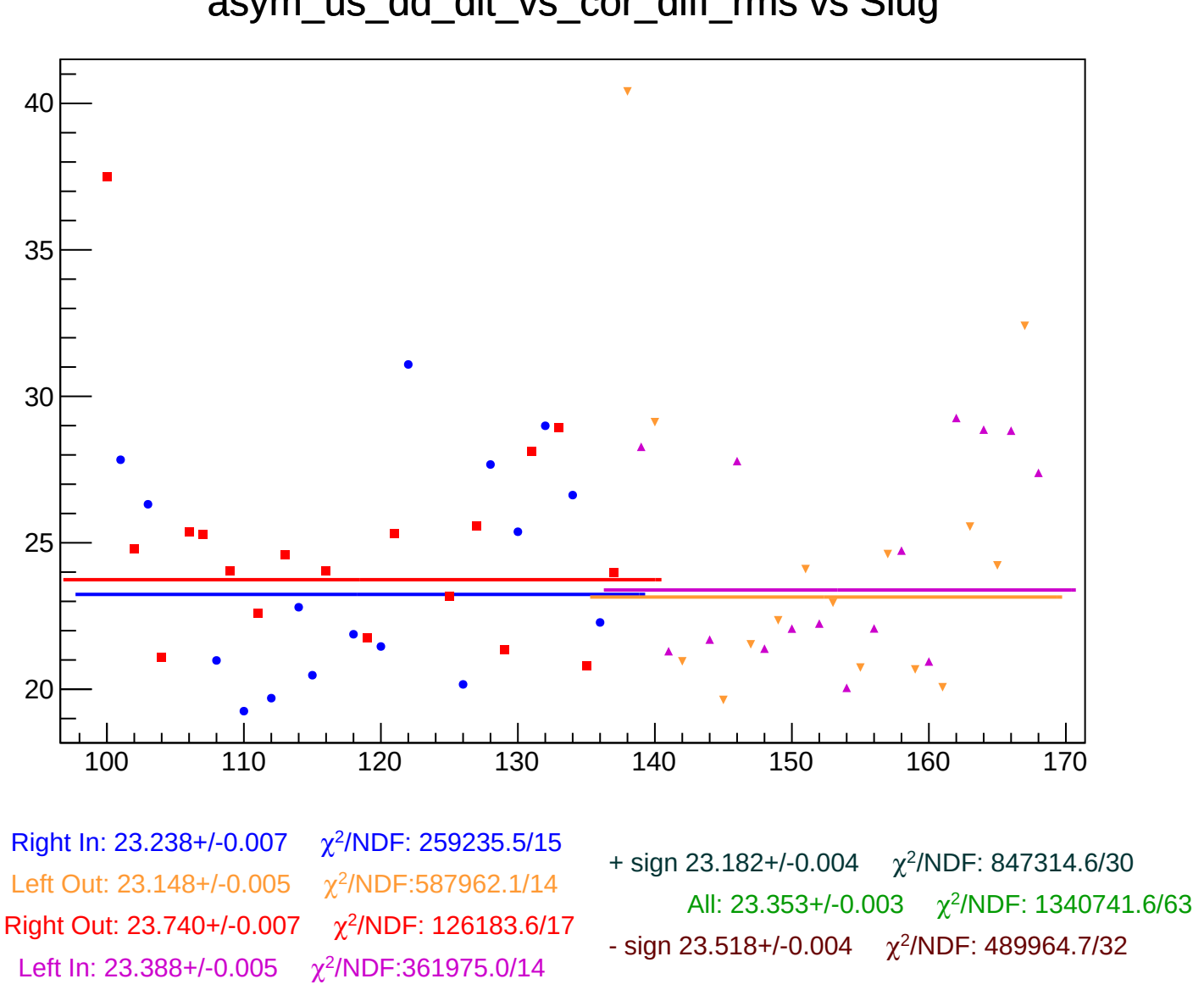
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: 0.002+/-0.007 χ^2/NDF:19.8/14

+ sign -0.001+/-0.006 χ^2/NDF: 17.1/30

All: 0.001+/-0.004 χ^2/NDF: 50.7/63

- sign 0.003+/-0.006 χ^2/NDF: 33.3/32


asym_us_dd_dit_vs_cor_diff_rms vs Slug
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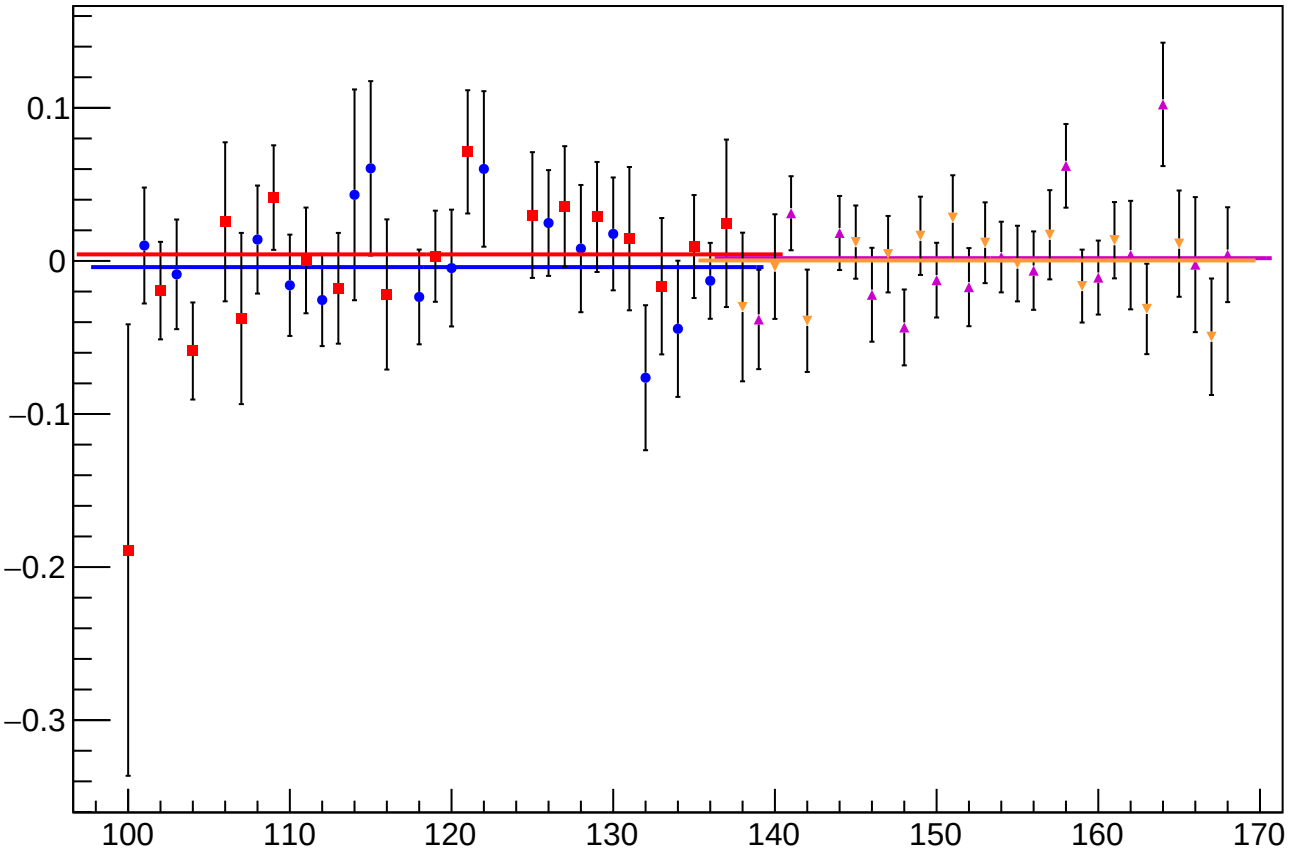
170
Right In: 23.238+/-0.007 χ²/NDF: 259235.5/15
Left Out: 23.148+/-0.005 χ²/NDF:587962.1/14
Right Out: 23.740+/-0.007 χ²/NDF: 126183.6/17
Left In: 23.388+/-0.005 χ²/NDF:361975.0/14
+ sign 23.182+/-0.004 χ²/NDF: 847314.6/30
All: 23.353+/-0.003 χ²/NDF: 1340741.6/63
- sign 23.518+/-0.004 χ²/NDF: 489964.7/32



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

Left Out: 0.000+/-0.007 χ^2/NDF:7.8/14

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

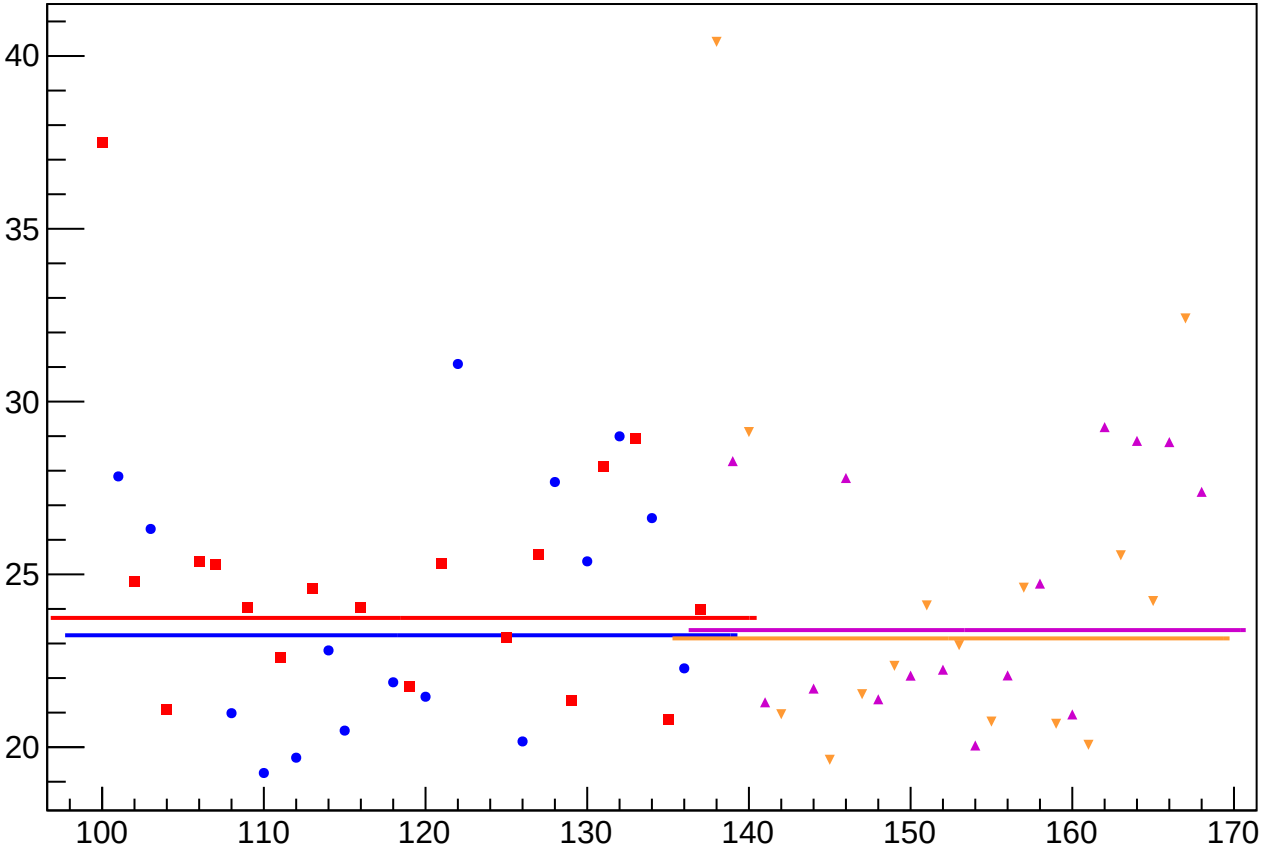
Left In: 0.002+/-0.007 χ^2/NDF:19.8/14

+ sign -0.001+/-0.006 χ^2/NDF: 17.1/30

All: 0.001+/-0.004 χ^2/NDF: 50.7/63

- sign 0.003+/-0.006 χ^2/NDF: 33.3/32

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: 23.148+/-0.005 χ^2/NDF:587962.1/14

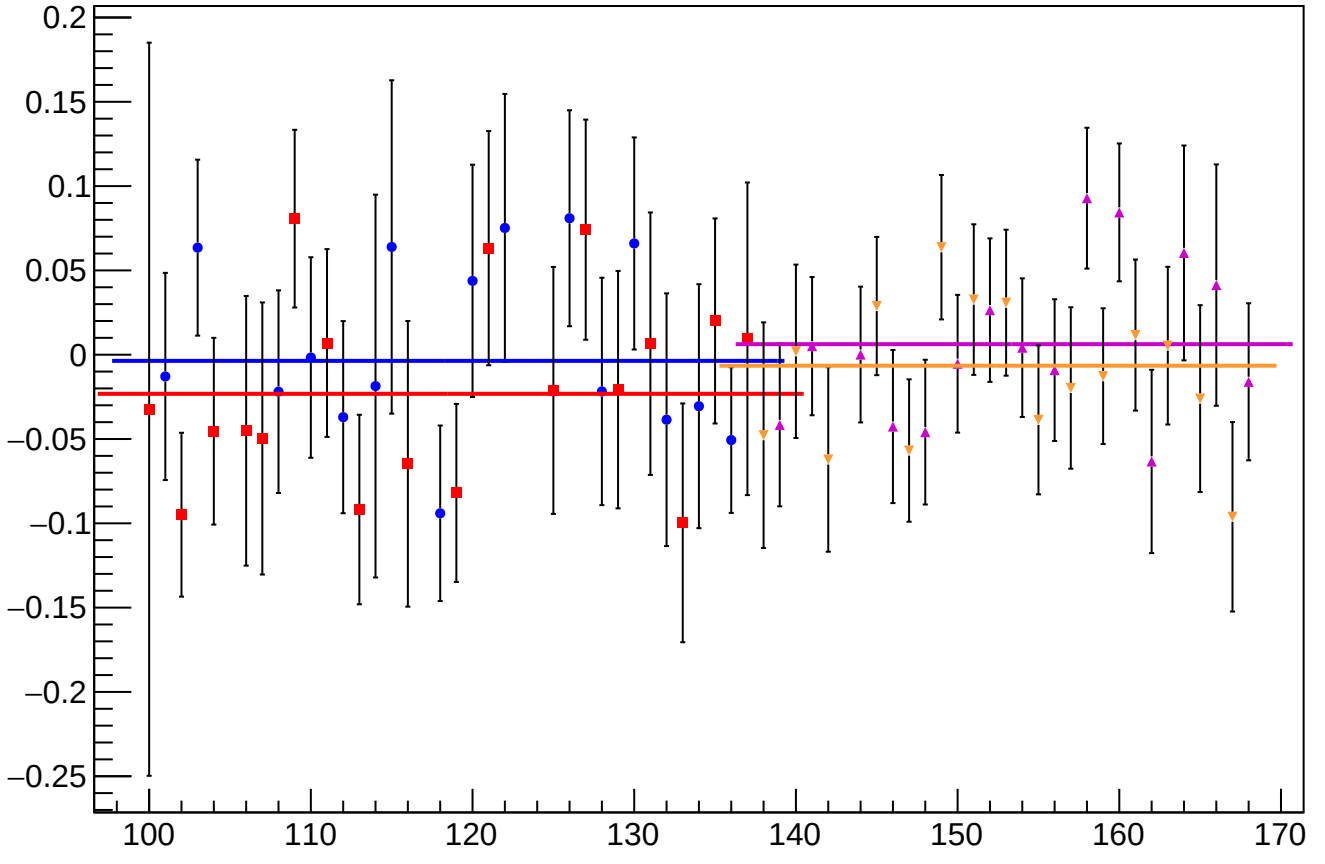
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.388+/-0.005 χ^2/NDF:361975.0/14

+ sign 23.182+/-0.004 χ^2/NDF: 847314.6/30

All: 23.353+/-0.003 χ^2/NDF: 1340741.6/63

- sign 23.518+/-0.004 χ^2/NDF: 489964.7/32



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

Left Out: -0.007+/-0.012 χ^2/NDF:11.3/14

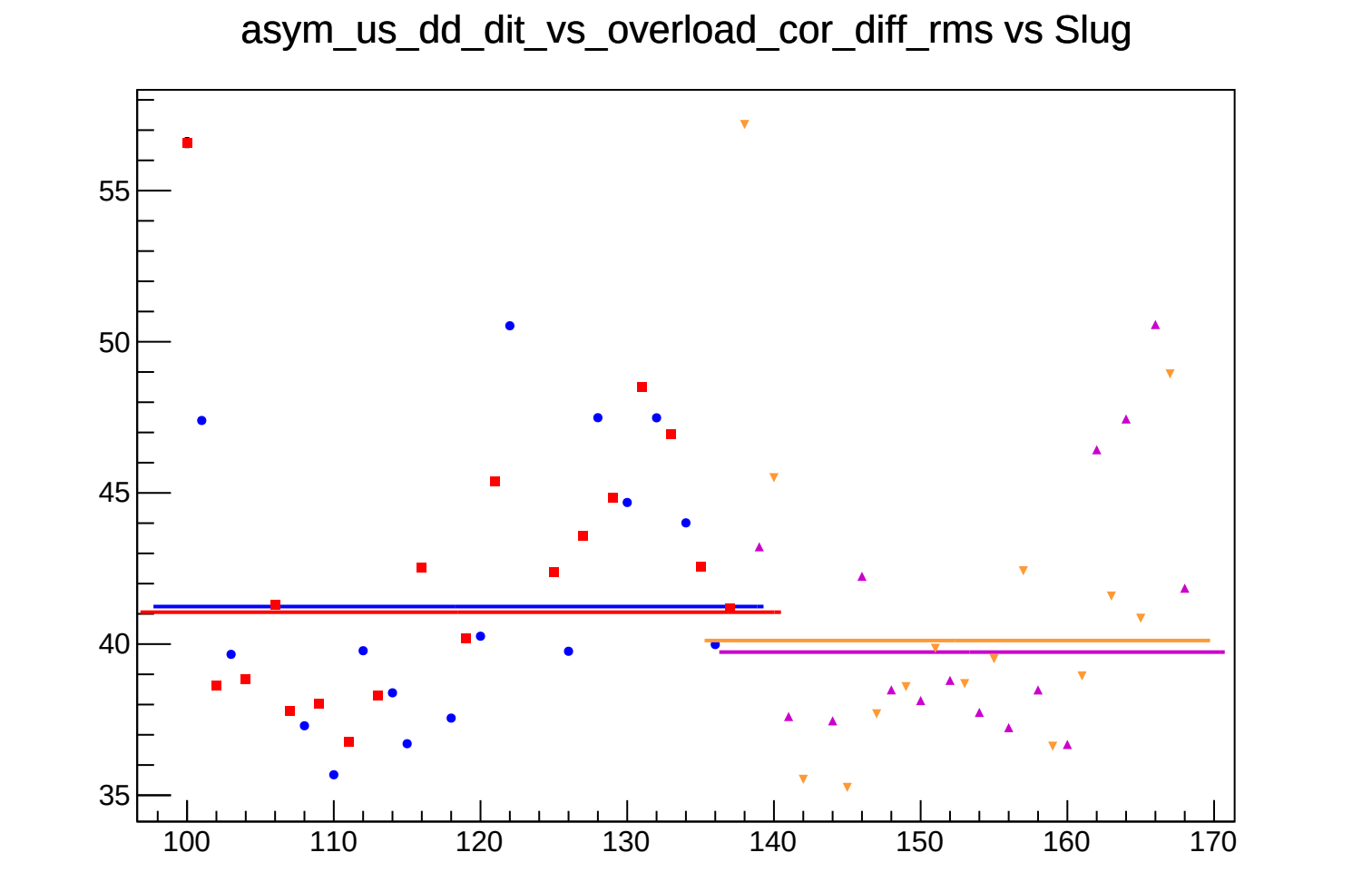
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: 0.006+/-0.012 χ^2/NDF:14.9/14

+ sign -0.005+/-0.010 χ^2/NDF: 23.0/30

All: -0.005+/-0.007 χ^2/NDF: 55.6/63

- sign -0.004+/-0.009 χ^2/NDF: 32.6/32



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

Left Out: 40.118+/-0.009 χ^2/NDF:278673.4/14

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

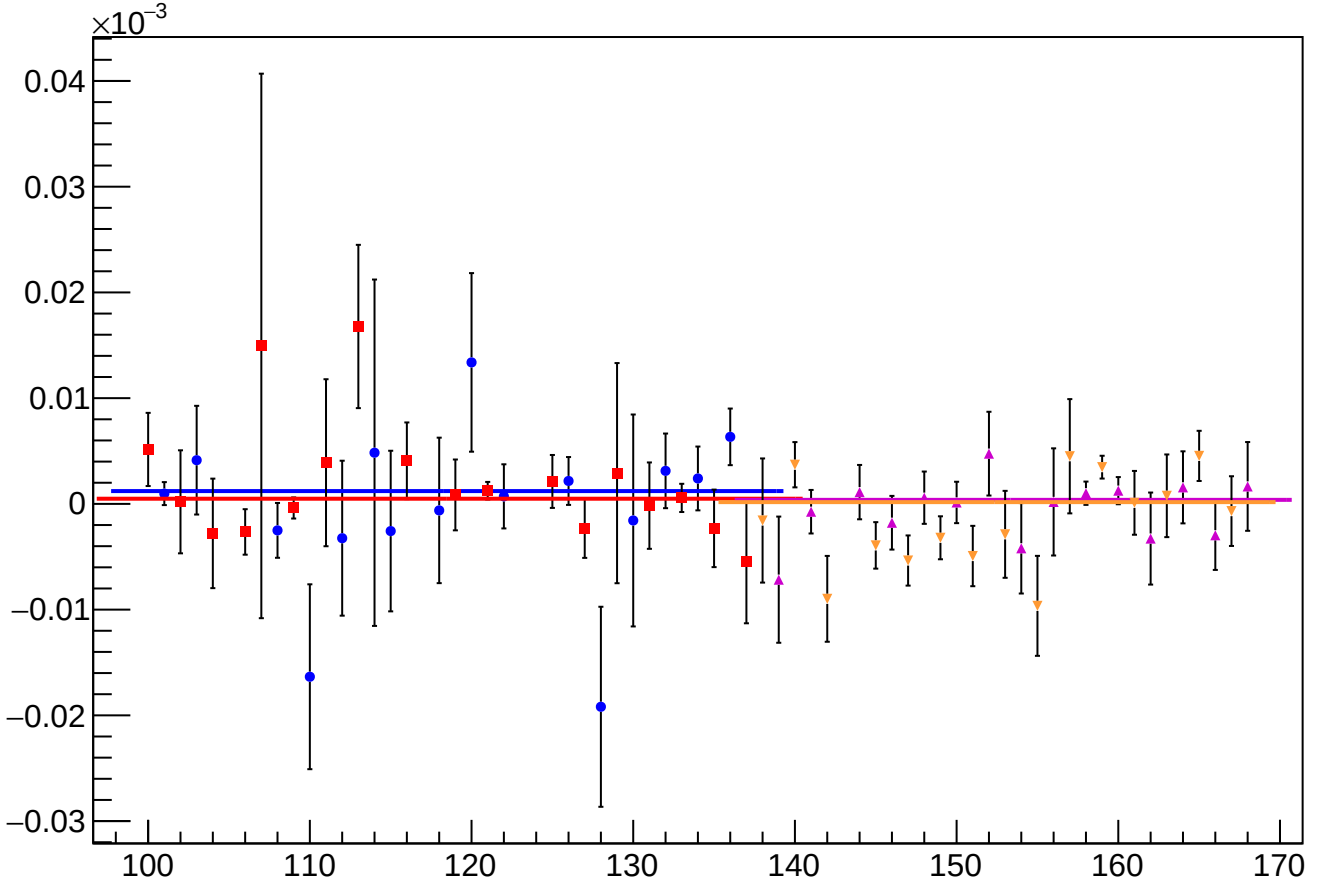
Left In: 39.735+/-0.008 χ^2/NDF:168302.9/14

+ sign 40.535+/-0.007 χ^2/NDF: 420365.9/30

All: 40.368+/-0.005 χ^2/NDF: 695678.3/63

- sign 40.210+/-0.007 χ^2/NDF: 274130.6/32

asym_us_dd_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:41.1/14

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

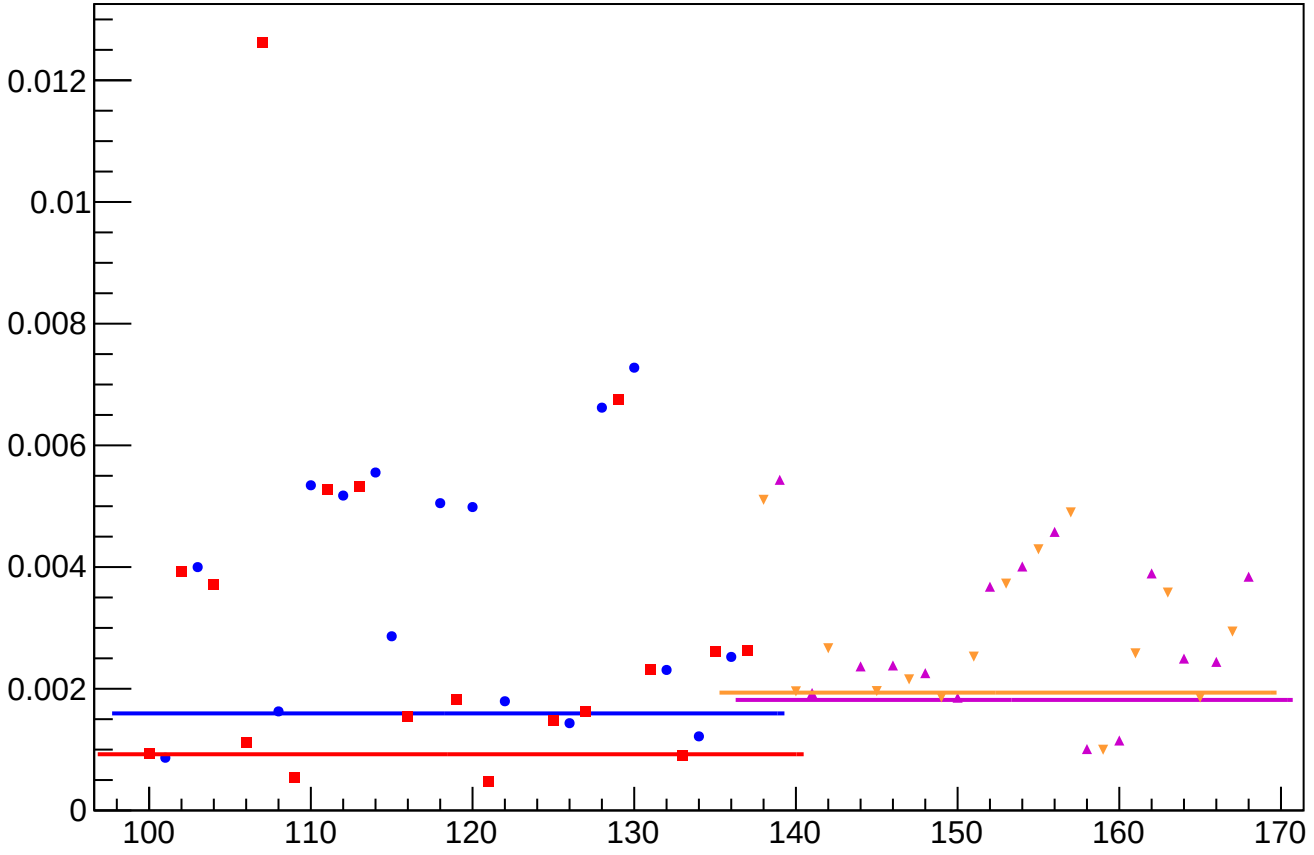
Left In: 0.000+/-0.000 χ^2/NDF:7.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 60.6/30

All: 0.000+/-0.000 χ^2/NDF: 83.5/63

- sign 0.000+/-0.000 χ^2/NDF: 22.8/32

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



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

Left Out: 0.002+/-0.000 χ^2/NDF:4378169.2/14

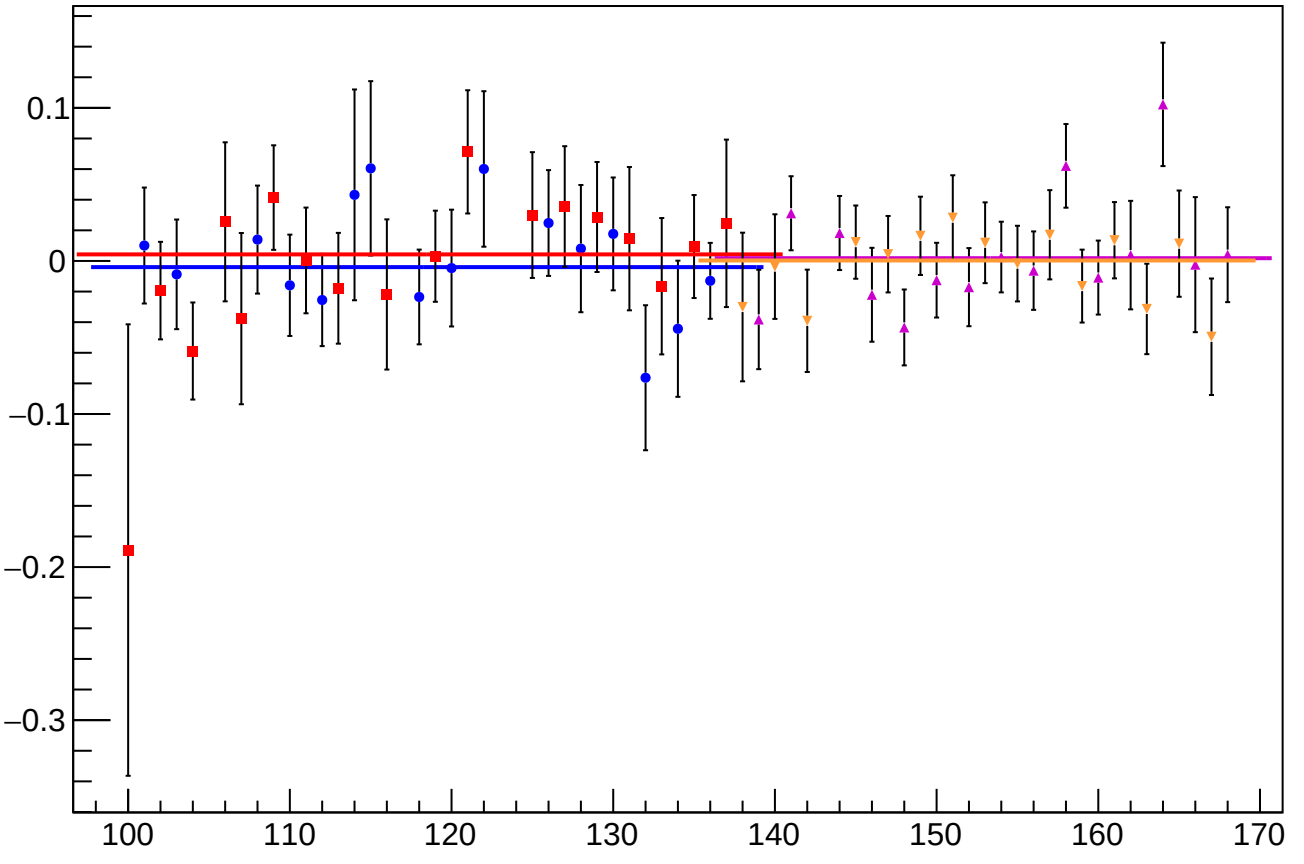
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:5244890.9/14

+ sign 0.002+/-0.000 χ^2/NDF: 9382422.9/30

All: 0.001+/-0.000 χ^2/NDF: 24409010.0/63

- sign 0.001+/-0.000 χ^2/NDF: 13702977.6/32



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

Left Out: 0.000+/-0.007 χ^2/NDF:7.8/14

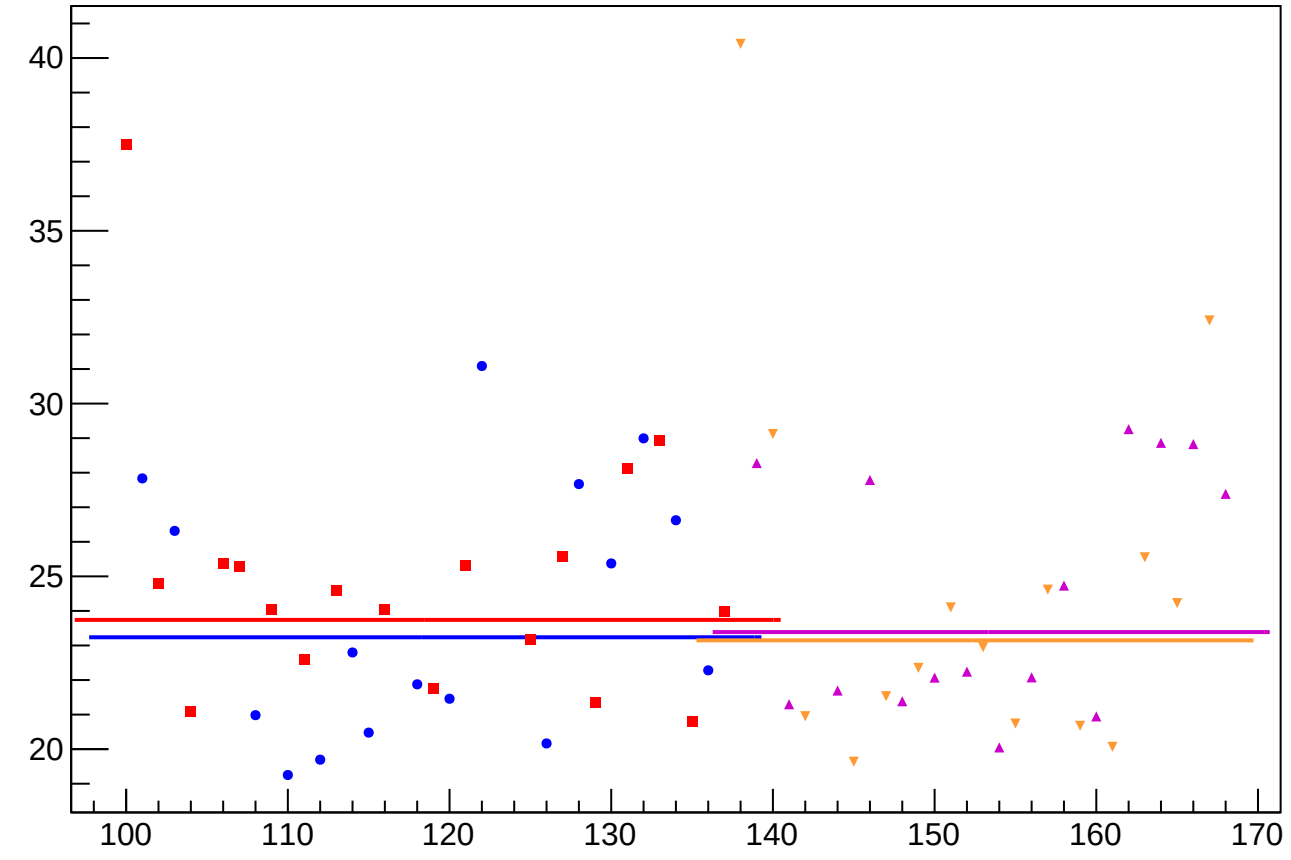
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: 0.002+/-0.007 χ^2/NDF:19.8/14

+ sign -0.001+/-0.006 χ^2/NDF: 17.1/30

All: 0.001+/-0.004 χ^2/NDF: 50.7/63

- sign 0.003+/-0.006 χ^2/NDF: 33.3/32



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

Left Out: 23.148+/-0.005 χ^2/NDF:587983.9/14

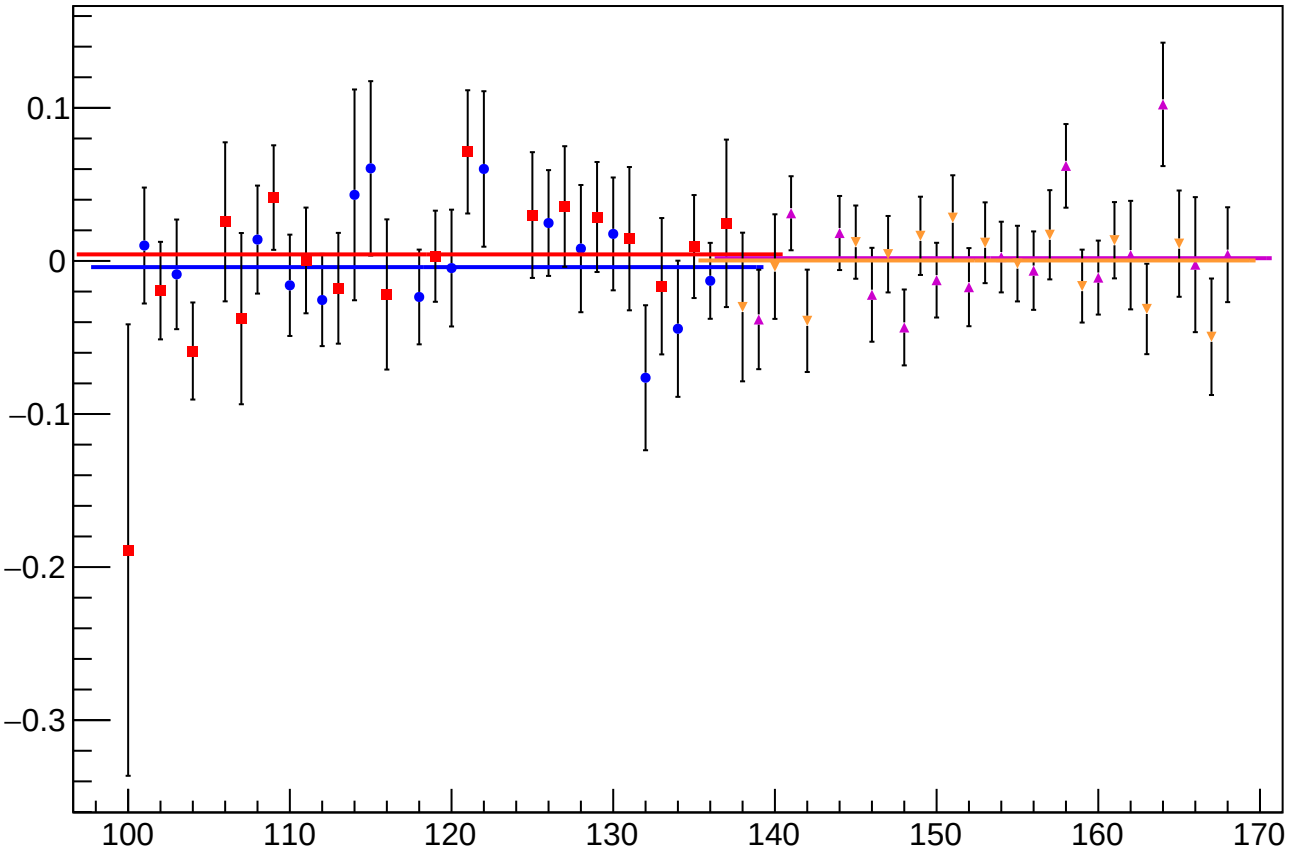
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.388+/-0.005 χ^2/NDF:361926.5/14

+ sign 23.182+/-0.004 χ^2/NDF: 847323.3/30

All: 23.353+/-0.003 χ^2/NDF: 1340660.6/63

- sign 23.518+/-0.004 χ^2/NDF: 489864.8/32



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

Left Out: 0.000+/-0.007 χ^2/NDF:7.8/14

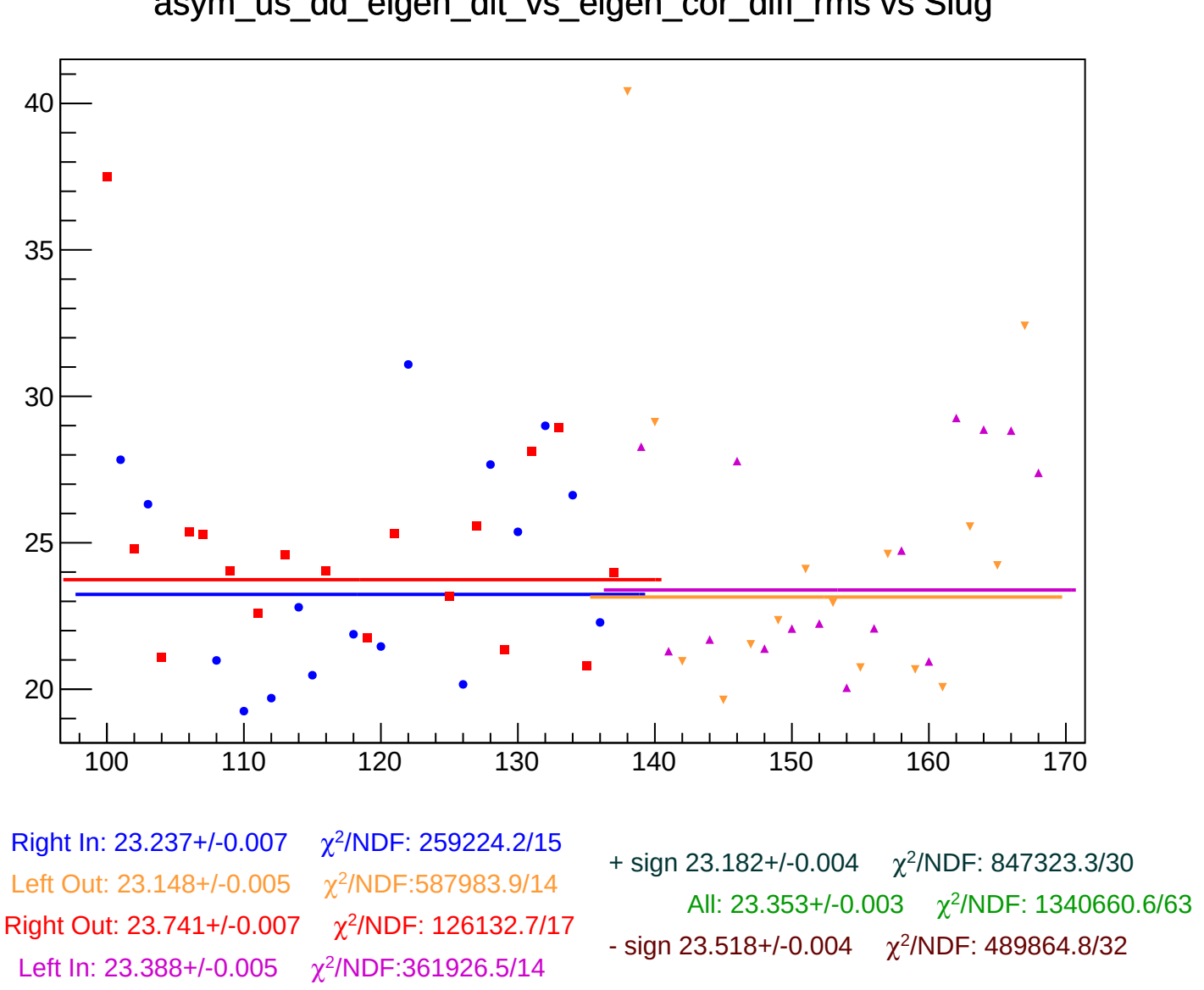
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: 0.002+/-0.007 χ^2/NDF:19.8/14

+ sign -0.001+/-0.006 χ^2/NDF: 17.1/30

All: 0.001+/-0.004 χ^2/NDF: 50.7/63

- sign 0.003+/-0.006 χ^2/NDF: 33.3/32


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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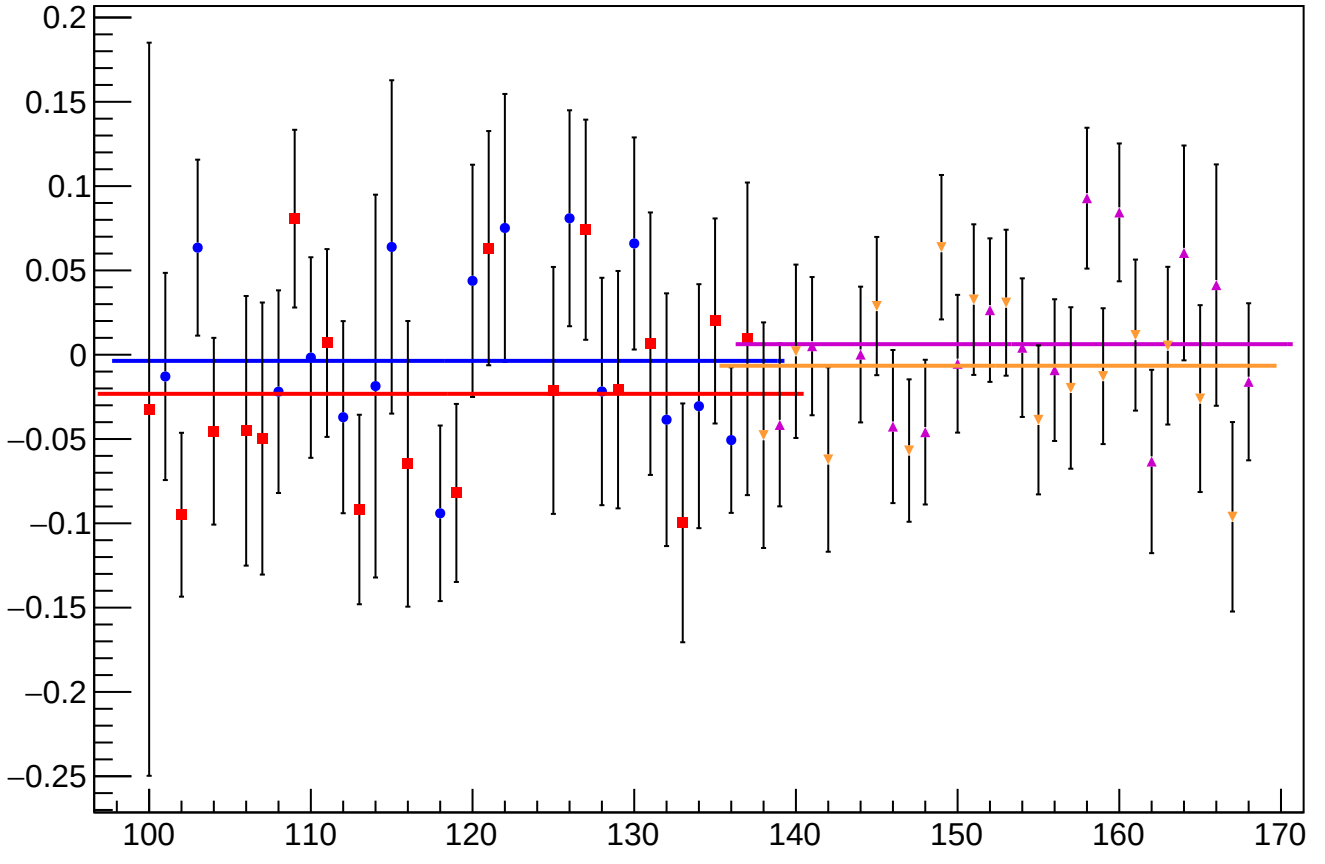
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 23.148+/-0.005 χ²/NDF:587983.9/14
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 23.388+/-0.005 χ²/NDF:361926.5/14
+ sign 23.182+/-0.004 χ²/NDF: 847323.3/30
All: 23.353+/-0.003 χ²/NDF: 1340660.6/63
- sign 23.518+/-0.004 χ²/NDF: 489864.8/32



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

Left Out: -0.007+/-0.012 χ^2/NDF:11.3/14

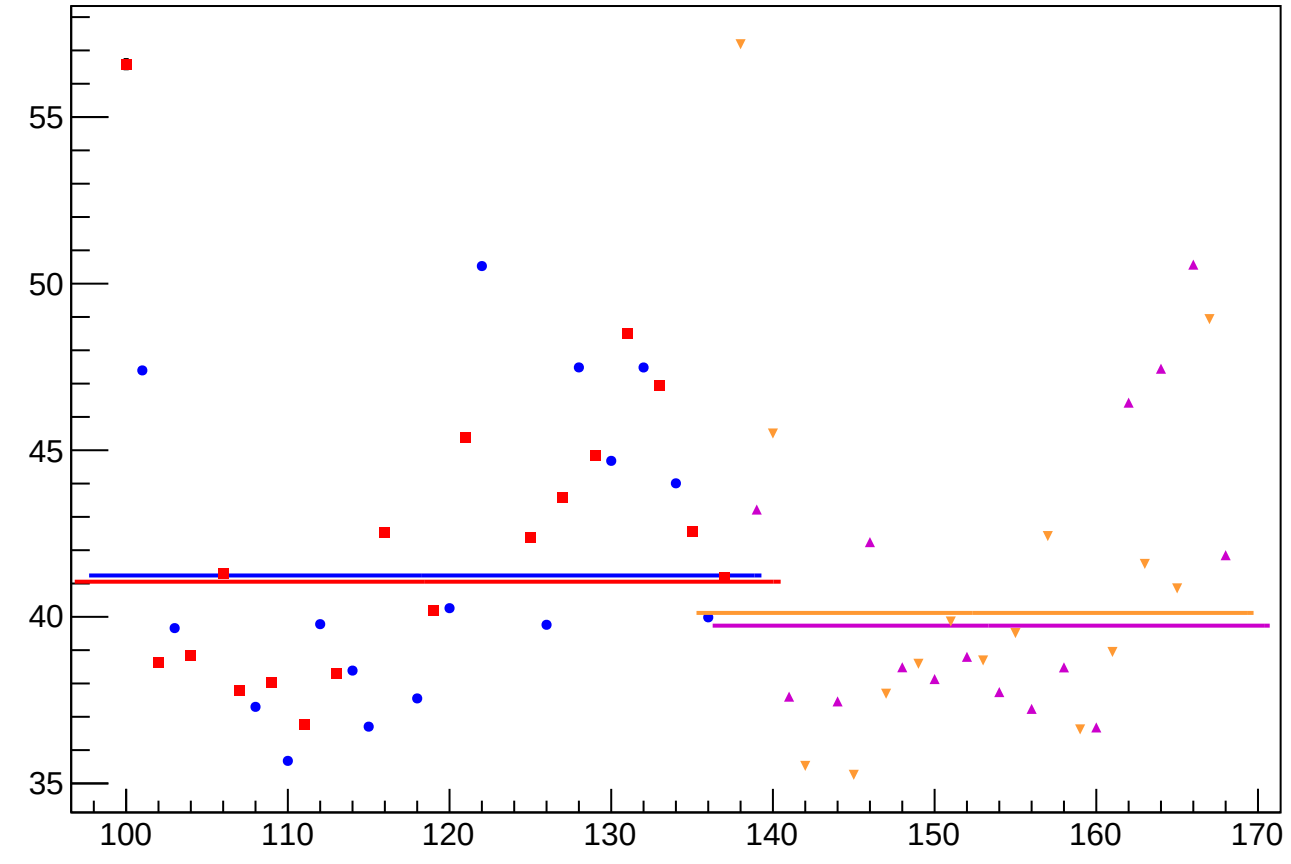
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: 0.006+/-0.012 χ^2/NDF:14.9/14

+ sign -0.005+/-0.010 χ^2/NDF: 23.0/30

All: -0.005+/-0.007 χ^2/NDF: 55.6/63

- sign -0.004+/-0.009 χ^2/NDF: 32.6/32



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

Left Out: 40.118+/-0.009 χ^2/NDF:278677.3/14

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

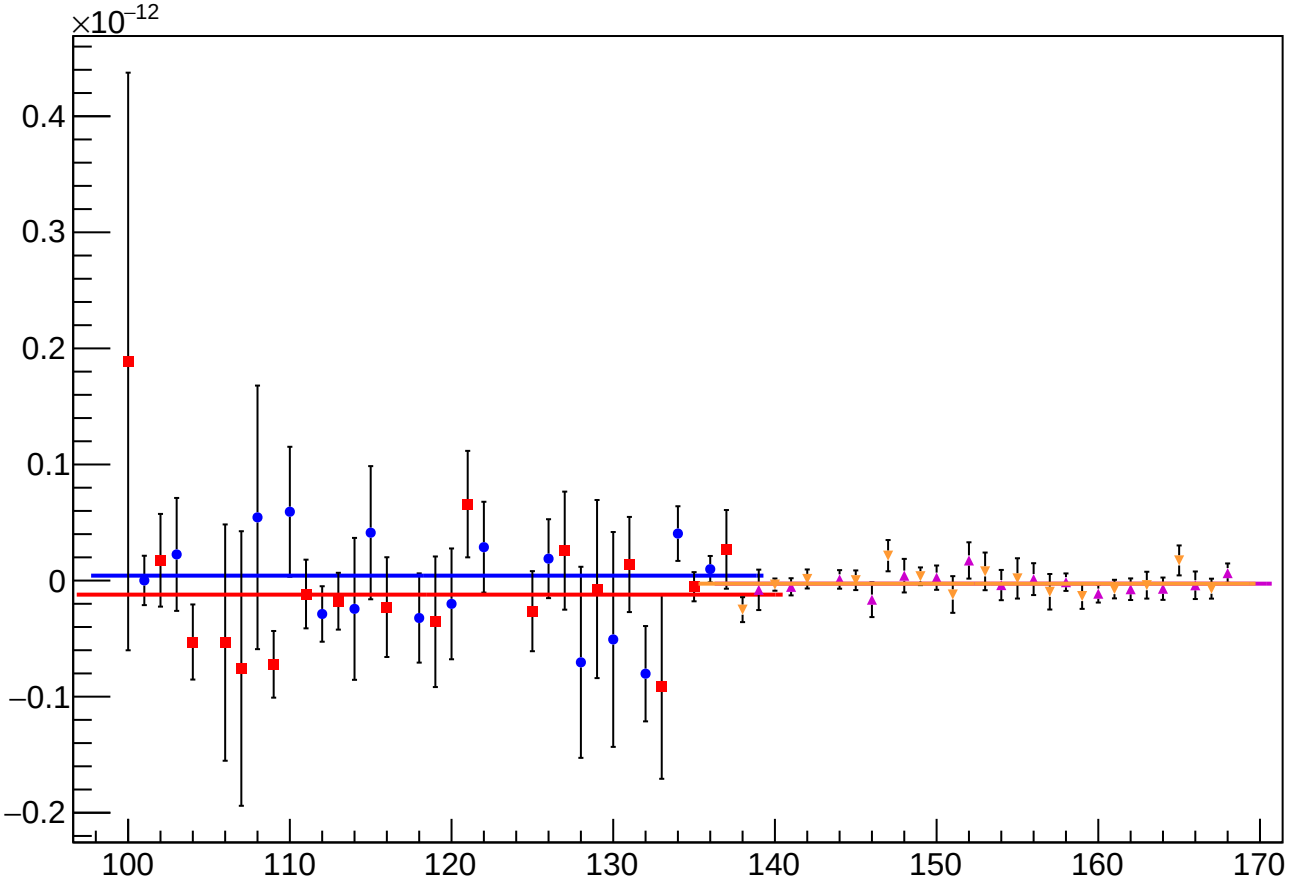
Left In: 39.735+/-0.008 χ^2/NDF:168310.0/14

+ sign 40.535+/-0.007 χ^2/NDF: 420344.1/30

All: 40.368+/-0.005 χ^2/NDF: 695649.2/63

- sign 40.211+/-0.007 χ^2/NDF: 274124.2/32

asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/14

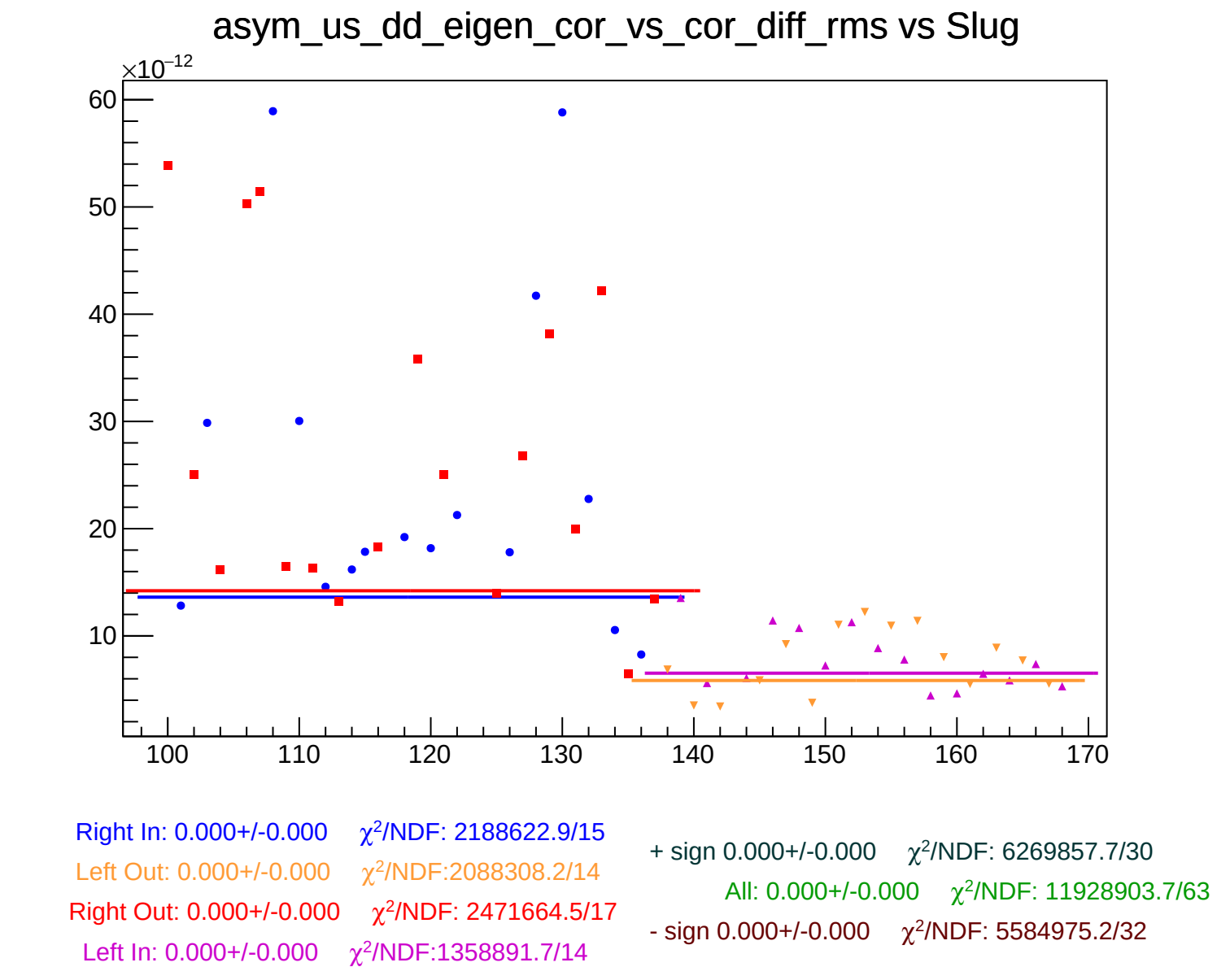
Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: -0.000+/-0.000 χ^2/NDF:6.4/14

+ sign -0.000+/-0.000 χ^2/NDF: 28.1/30

All: -0.000+/-0.000 χ^2/NDF: 50.6/63

- sign -0.000+/-0.000 χ^2/NDF: 22.3/32


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug
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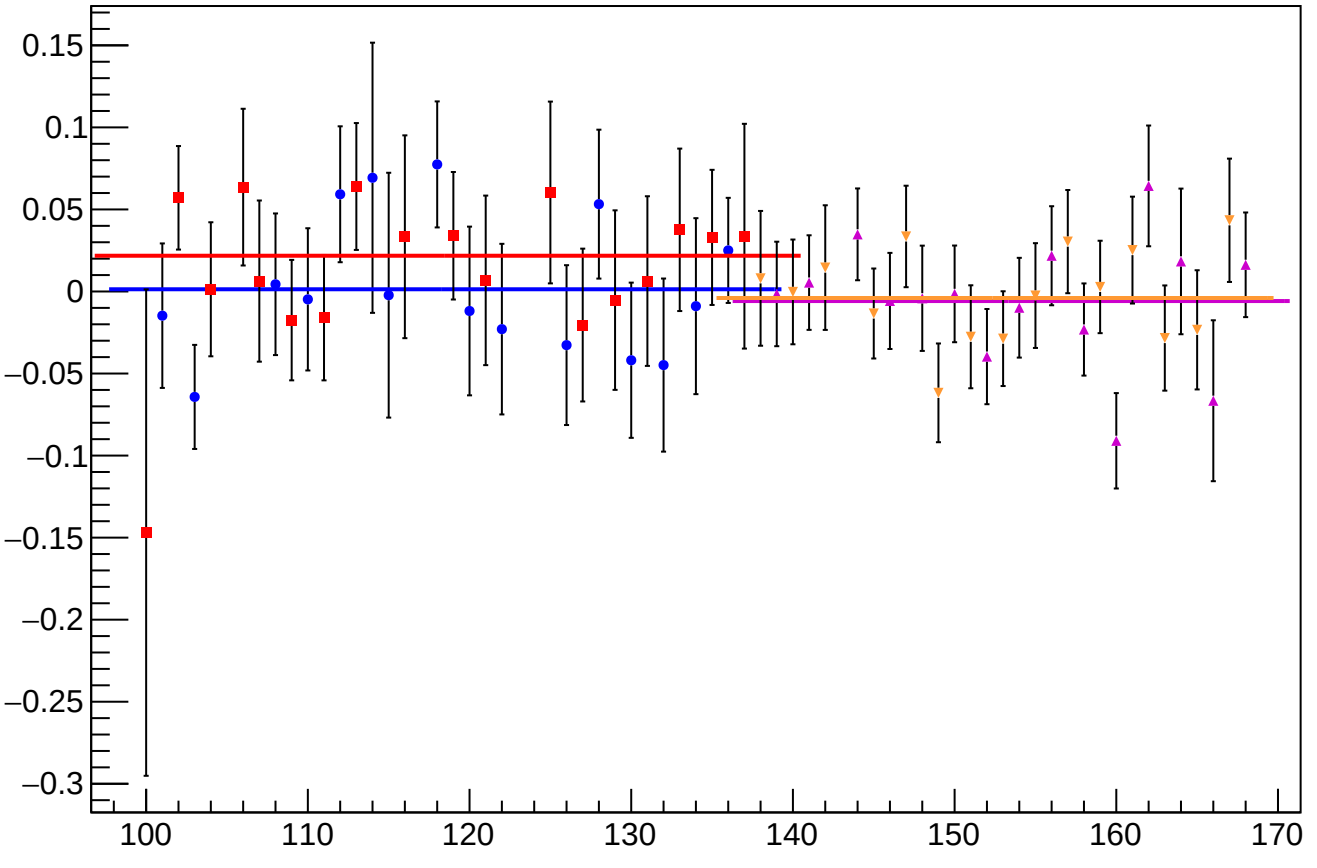
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2088308.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:1358891.7/14
+ sign 0.000+/-0.000 χ²/NDF: 6269857.7/30
All: 0.000+/-0.000 χ²/NDF: 11928903.7/63
- sign 0.000+/-0.000 χ²/NDF: 5584975.2/32



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

Left Out: -0.004+/-0.008 χ^2/NDF:11.4/14

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

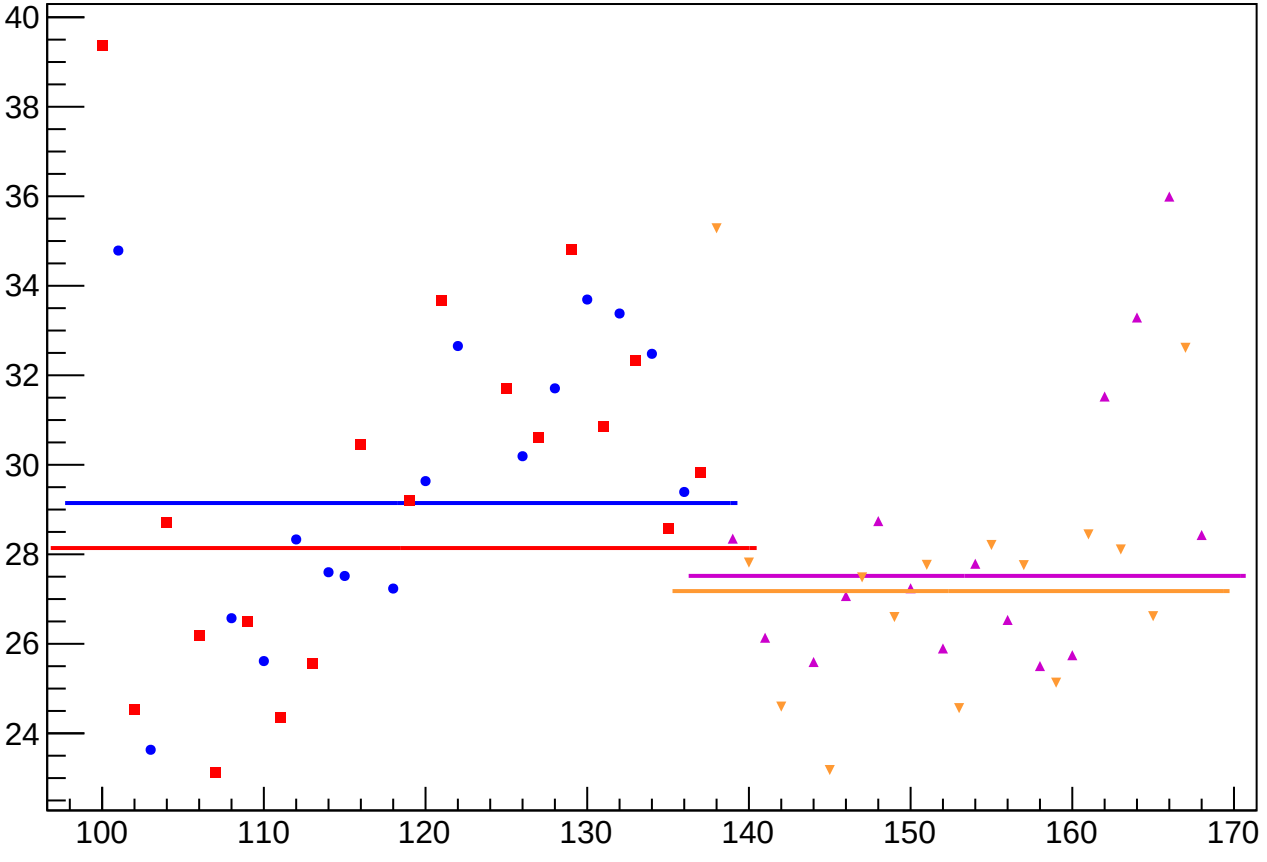
Left In: -0.006+/-0.008 χ^2/NDF:19.4/14

+ sign -0.002+/-0.007 χ^2/NDF: 26.8/30

All: 0.001+/-0.005 χ^2/NDF: 60.0/63

- sign 0.004+/-0.006 χ^2/NDF: 32.7/32

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: 27.178+/-0.006 χ^2/NDF:208900.7/14

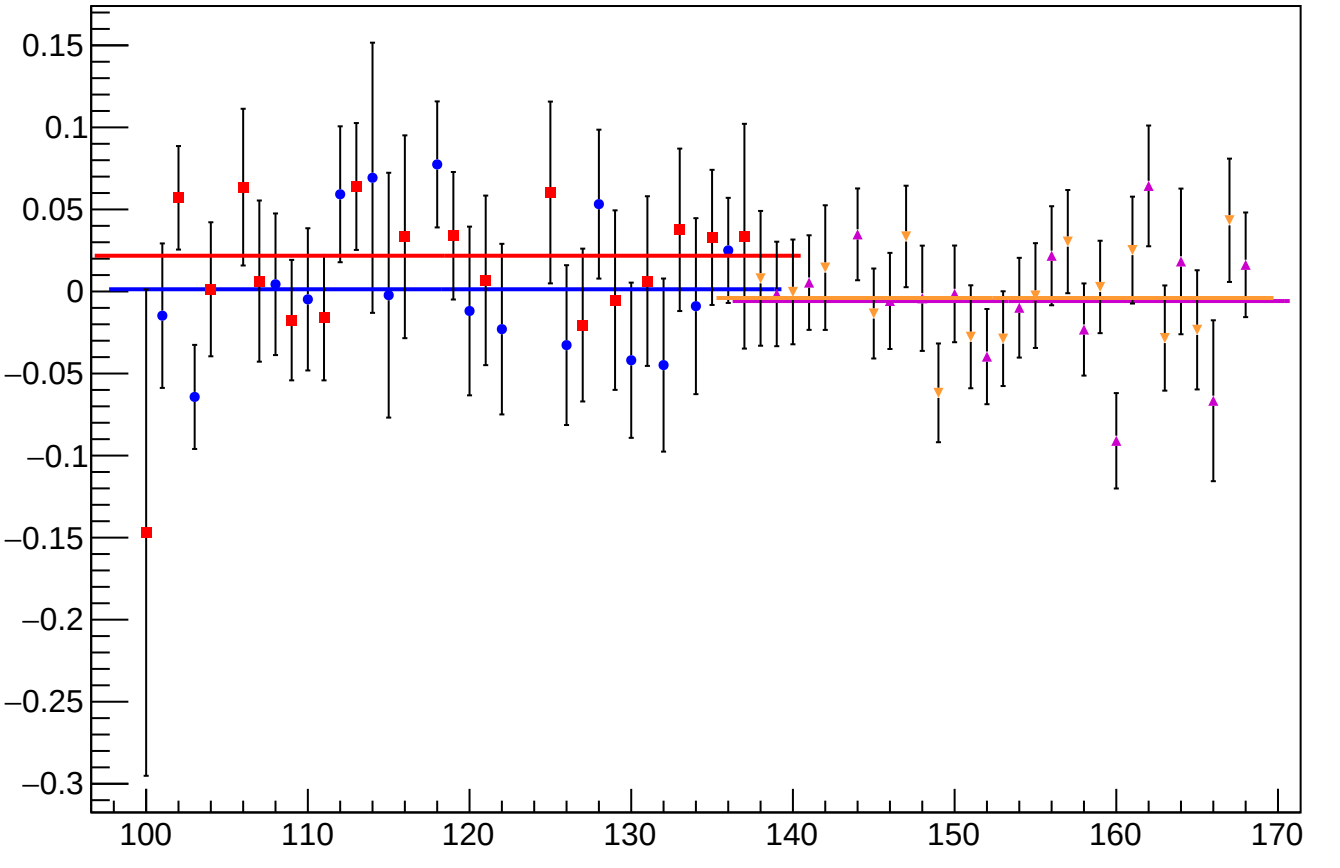
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 27.518+/-0.006 χ^2/NDF:164225.8/14

+ sign 27.872+/-0.005 χ^2/NDF: 425651.3/30

All: 27.806+/-0.003 χ^2/NDF: 781625.6/63

- sign 27.743+/-0.005 χ^2/NDF: 355586.1/32



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

Left Out: -0.004+/-0.008 χ^2/NDF:11.4/14

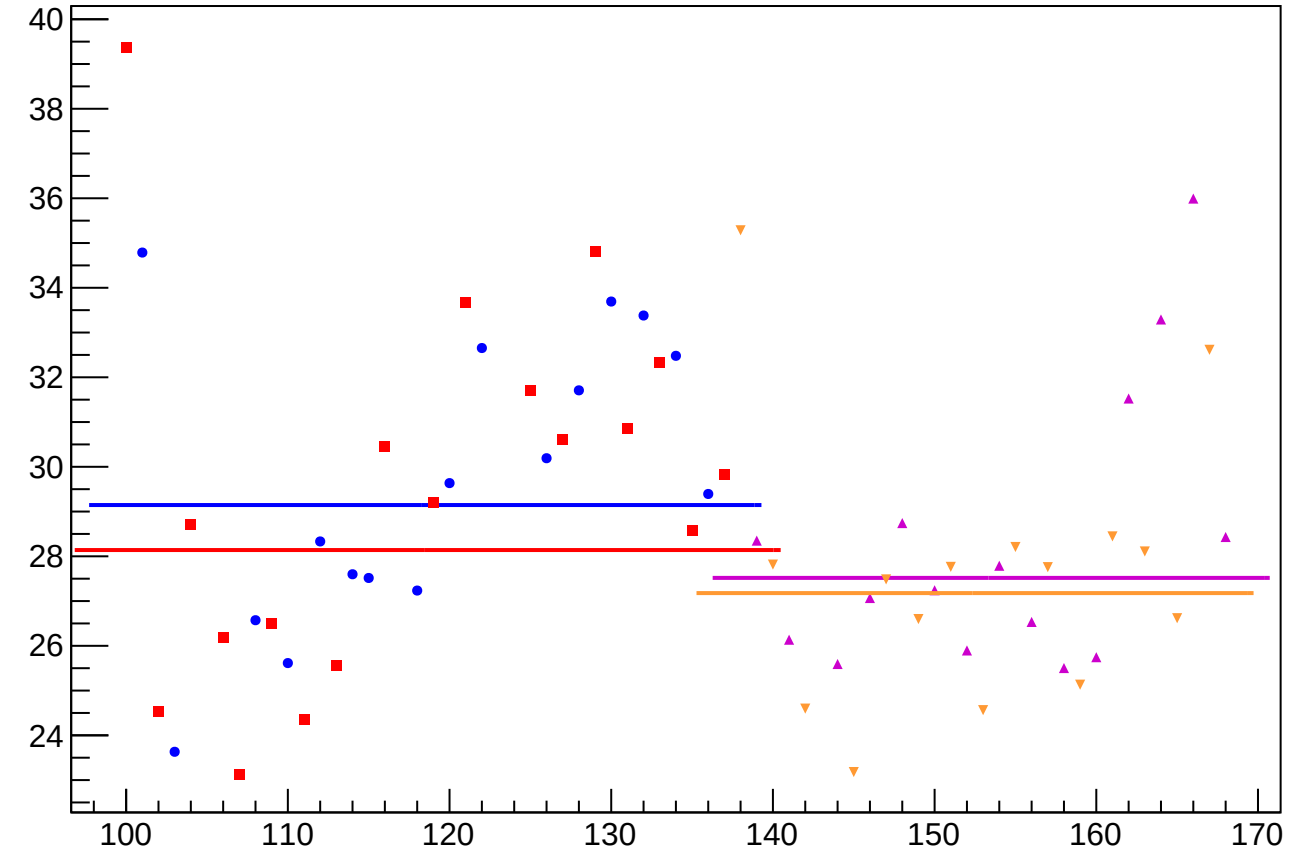
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.006+/-0.008 χ^2/NDF:19.4/14

+ sign -0.002+/-0.007 χ^2/NDF: 26.8/30

All: 0.001+/-0.005 χ^2/NDF: 60.0/63

- sign 0.004+/-0.006 χ^2/NDF: 32.7/32



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

Left Out: 27.178+/-0.006 χ^2/NDF:208900.7/14

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

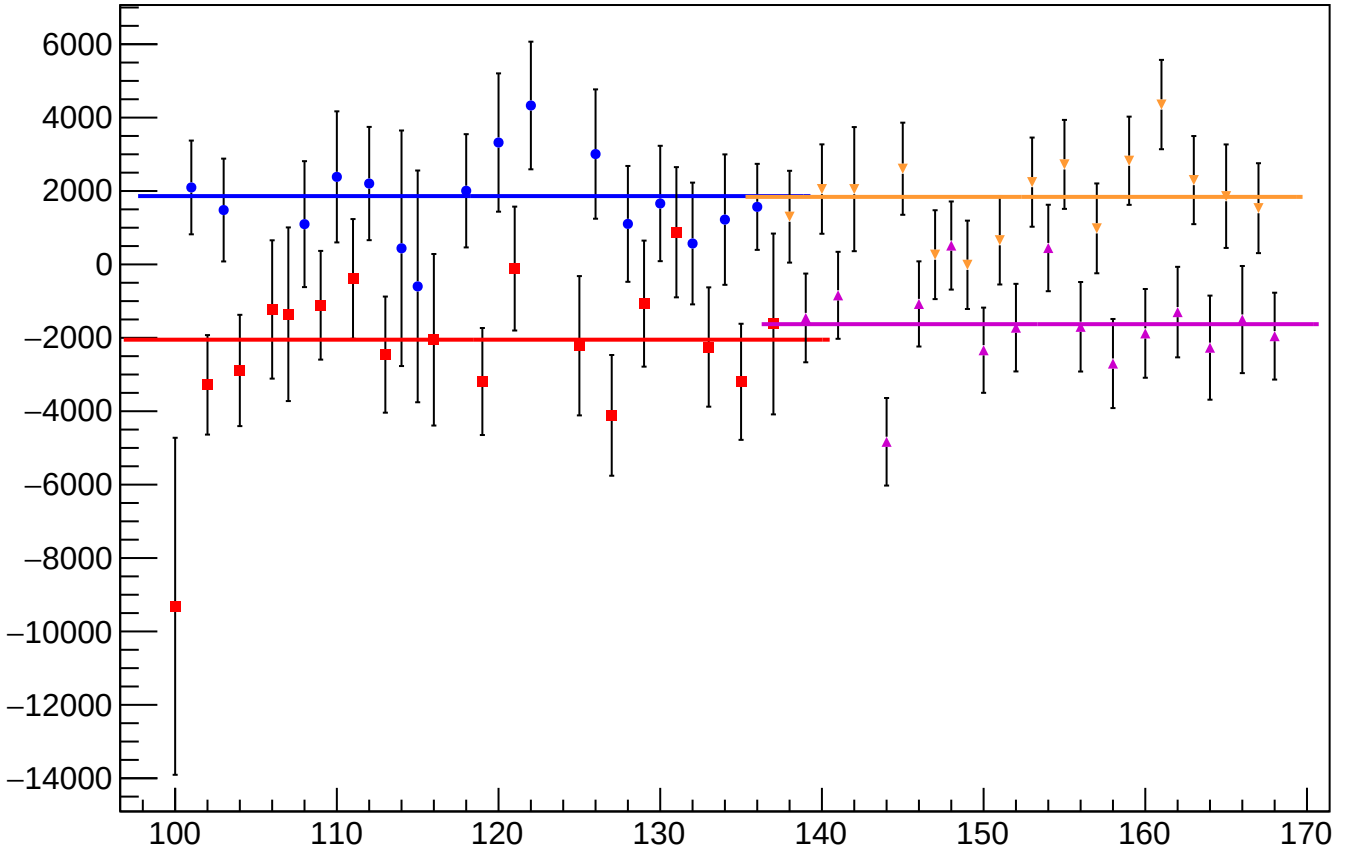
Left In: 27.518+/-0.006 χ^2/NDF:164225.8/14

+ sign 27.872+/-0.005 χ^2/NDF: 425651.3/30

All: 27.806+/-0.003 χ^2/NDF: 781625.6/63

- sign 27.743+/-0.005 χ^2/NDF: 355586.1/32

reg_asym_usl_mean vs Slug



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

Left Out: 1839.955+/-322.503 χ^2/NDF:11.9/14

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

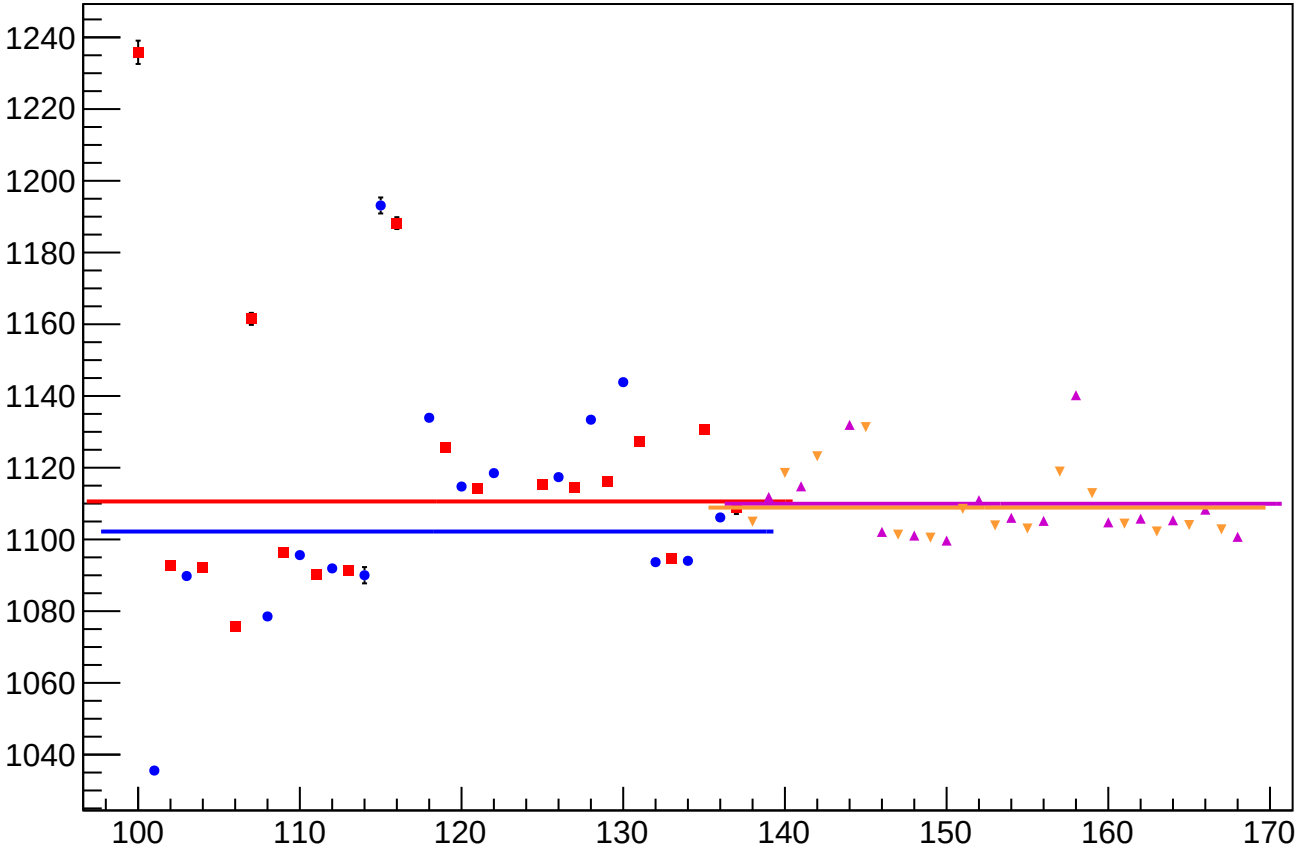
Left In: -1627.987+/-315.059 χ^2/NDF:15.8/14

+ sign 1848.212+/-253.369 χ^2/NDF: 17.2/30

All: 4.566+/-177.829 χ^2/NDF: 150.6/63

- sign -1785.341+/-249.649 χ^2/NDF: 29.0/32

reg_asym_usl_rms vs Slug



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

Left Out: 1108.884+/-0.228 χ^2/NDF:1501.5/14

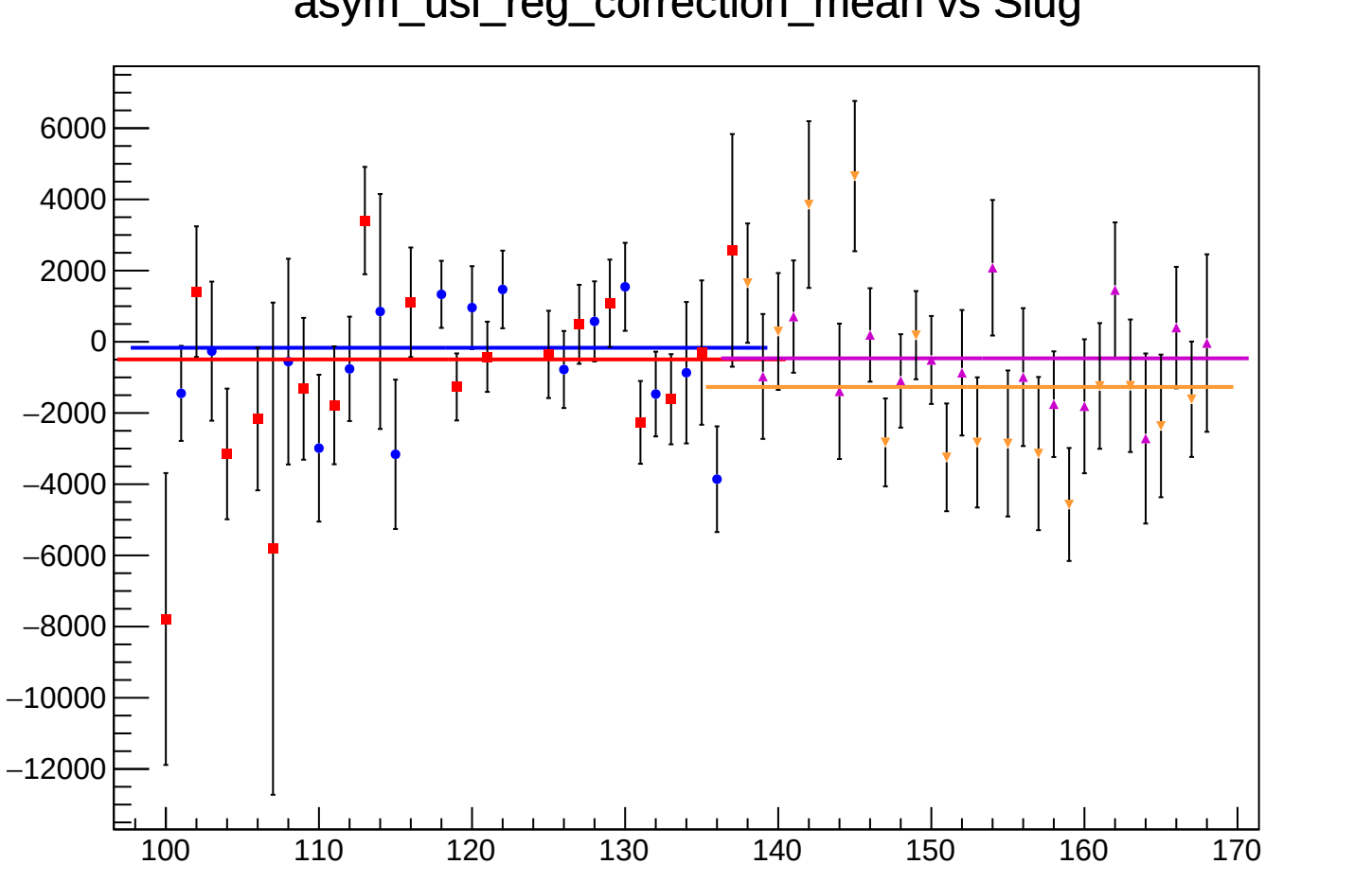
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1109.944+/-0.223 χ^2/NDF:2577.8/14

+ sign 1106.328+/-0.179 χ^2/NDF: 13178.8/30

All: 1108.285+/-0.126 χ^2/NDF: 23690.9/63

- sign 1110.185+/-0.177 χ^2/NDF: 10277.0/32



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

Left Out: -1268.805+/-435.718 χ^2/NDF:28.0/14

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

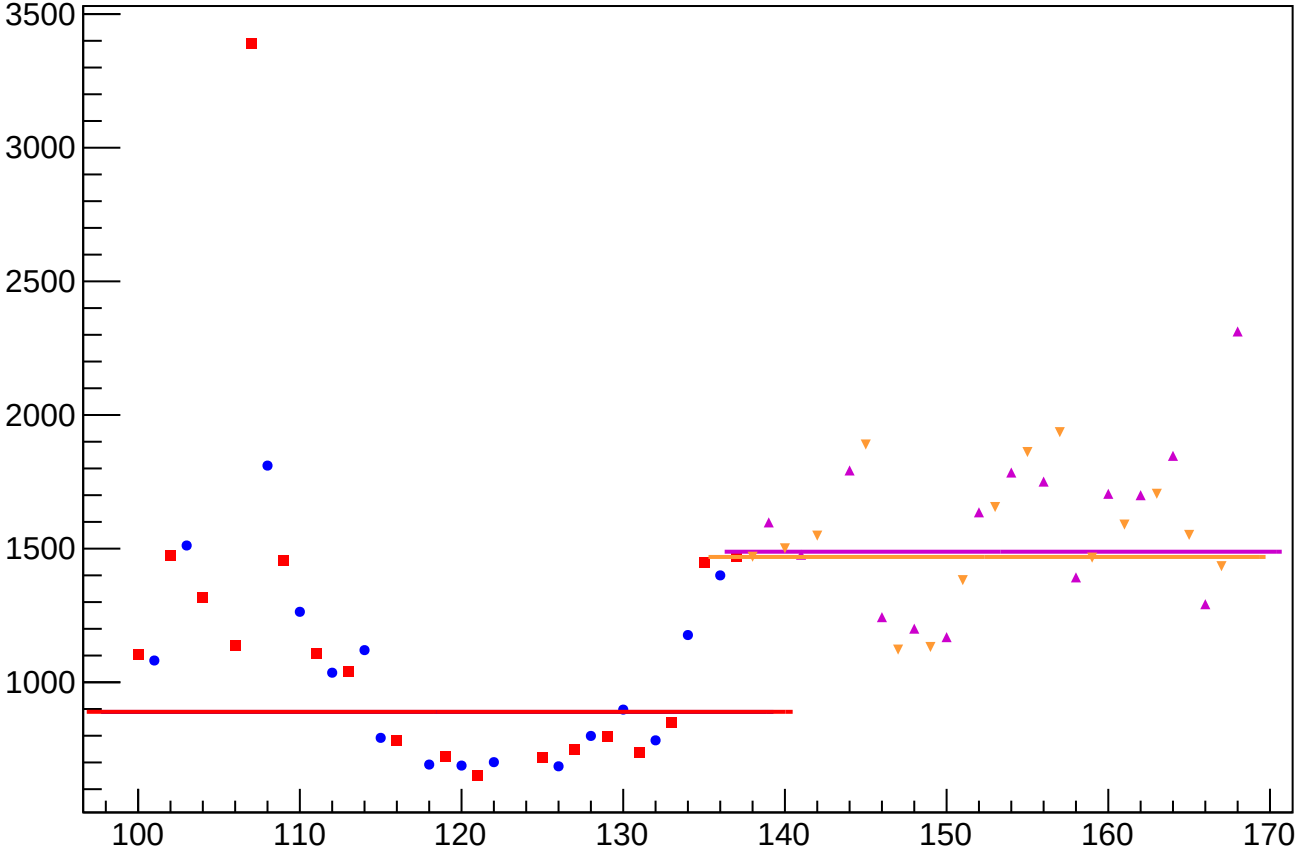
Left In: -464.865+/-431.230 χ^2/NDF:6.7/14

+ sign -592.795+/-270.691 χ^2/NDF: 53.0/30

All: -537.811+/-190.957 χ^2/NDF: 83.1/63

- sign -483.342+/-269.421 χ^2/NDF: 30.0/32

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1468.857+/-0.308 χ^2/NDF:628920.5/14

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

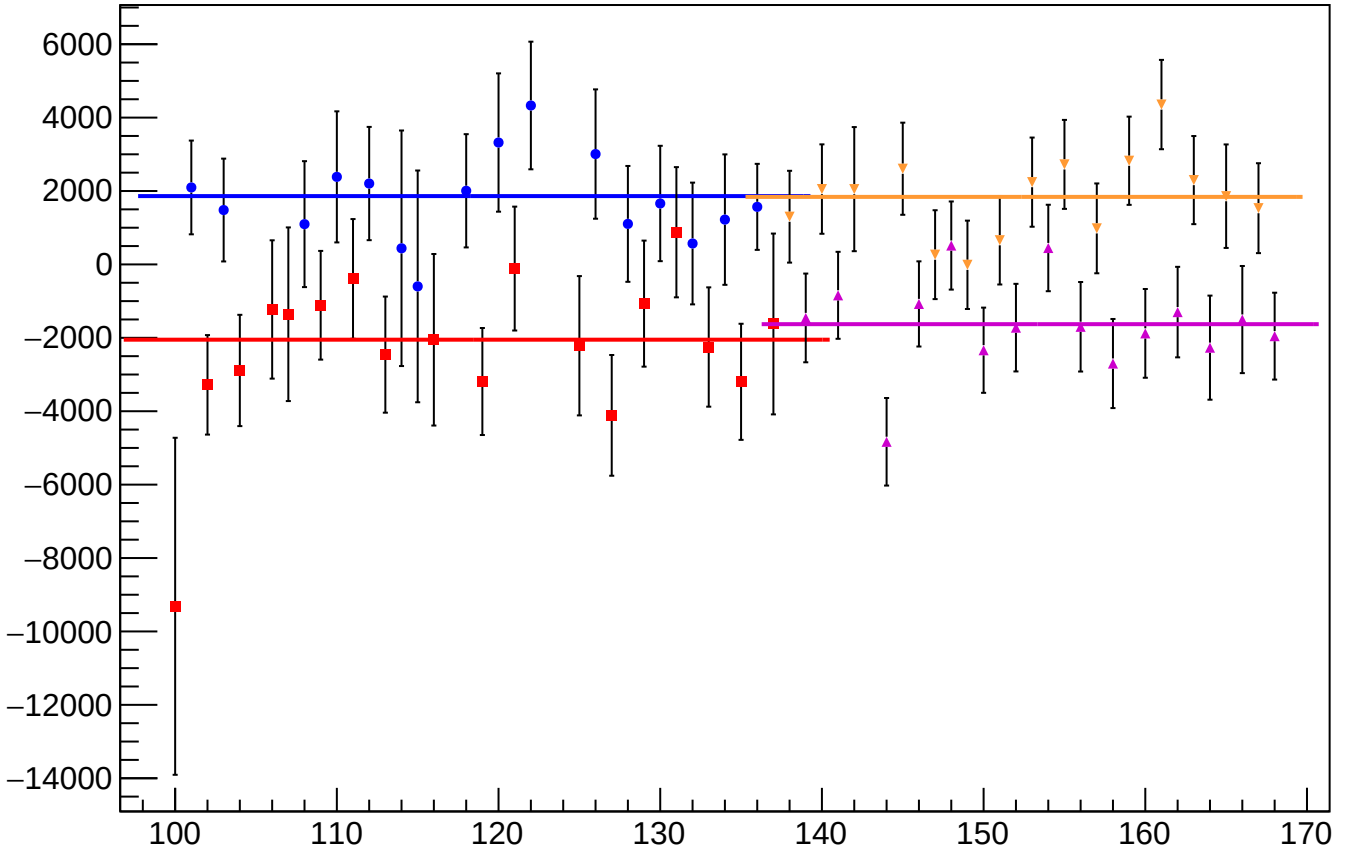
Left In: 1488.461+/-0.305 χ^2/NDF:807707.7/14

+ sign 1112.772+/-0.191 χ^2/NDF: 3937021.9/30

All: 1118.053+/-0.135 χ^2/NDF: 8444490.6/63

- sign 1123.285+/-0.191 χ^2/NDF: 4505953.1/32

cor_asym_usl_mean vs Slug



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

Left Out: 1839.955+/-322.503 χ^2/NDF:11.9/14

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

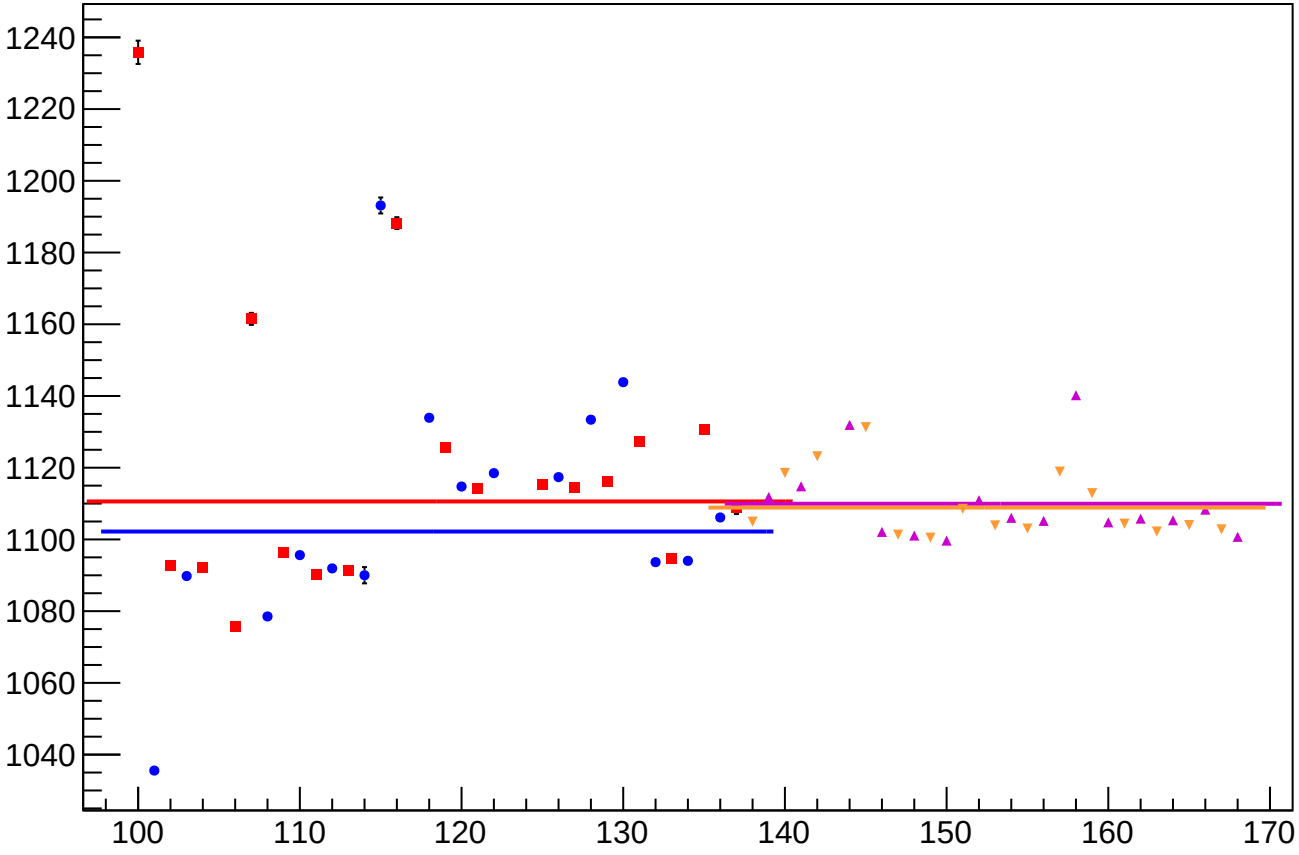
Left In: -1627.987+/-315.059 χ^2/NDF:15.8/14

+ sign 1848.212+/-253.369 χ^2/NDF: 17.2/30

All: 4.566+/-177.829 χ^2/NDF: 150.6/63

- sign -1785.341+/-249.649 χ^2/NDF: 29.0/32

cor_asym_usl_rms vs Slug



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

Left Out: 1108.884+/-0.228 χ^2/NDF:1501.5/14

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

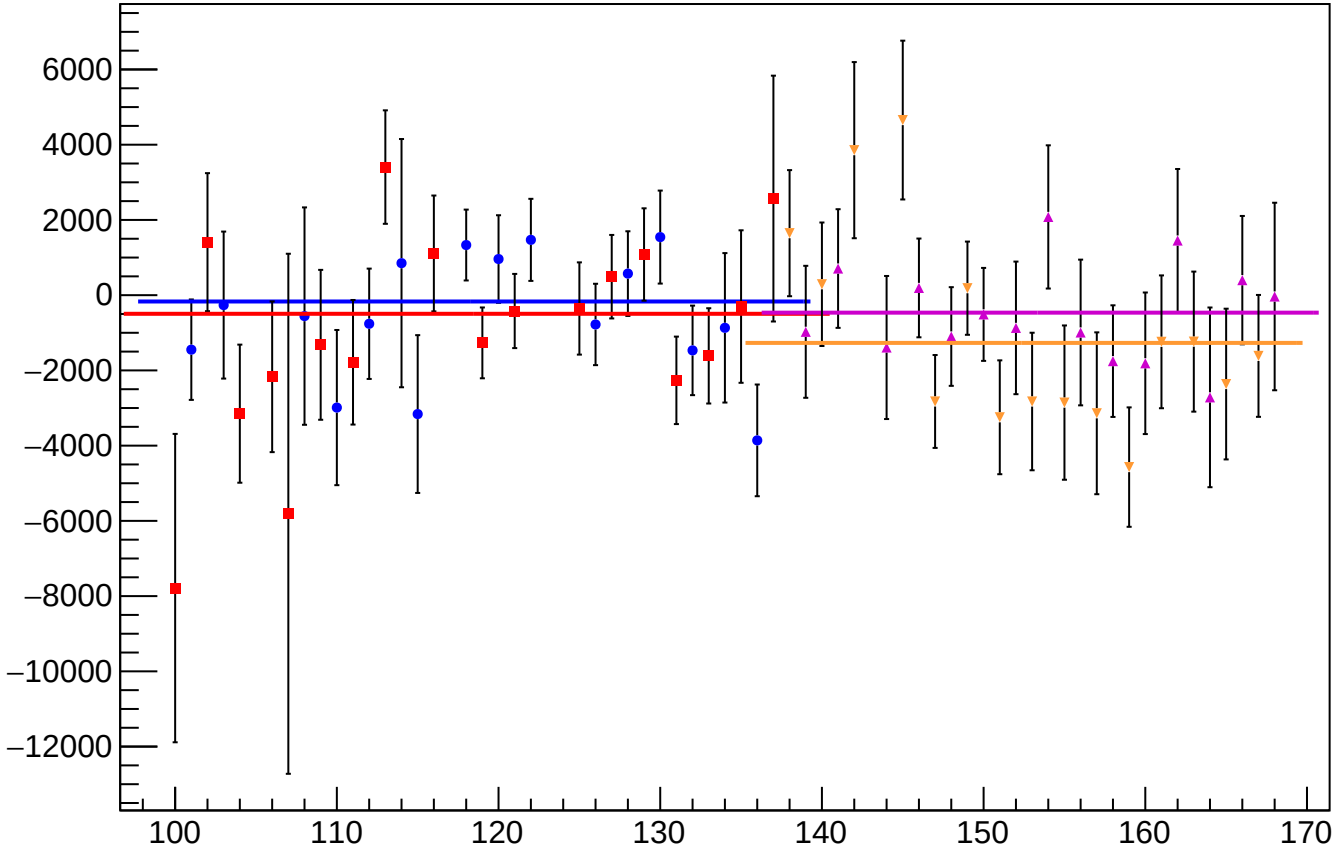
Left In: 1109.944+/-0.223 χ^2/NDF:2577.8/14

+ sign 1106.328+/-0.179 χ^2/NDF: 13178.8/30

All: 1108.285+/-0.126 χ^2/NDF: 23690.9/63

- sign 1110.185+/-0.177 χ^2/NDF: 10277.0/32

asym_usl_cor_correction_mean vs Slug



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

Left Out: -1268.805+/-435.718 χ^2/NDF:28.0/14

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

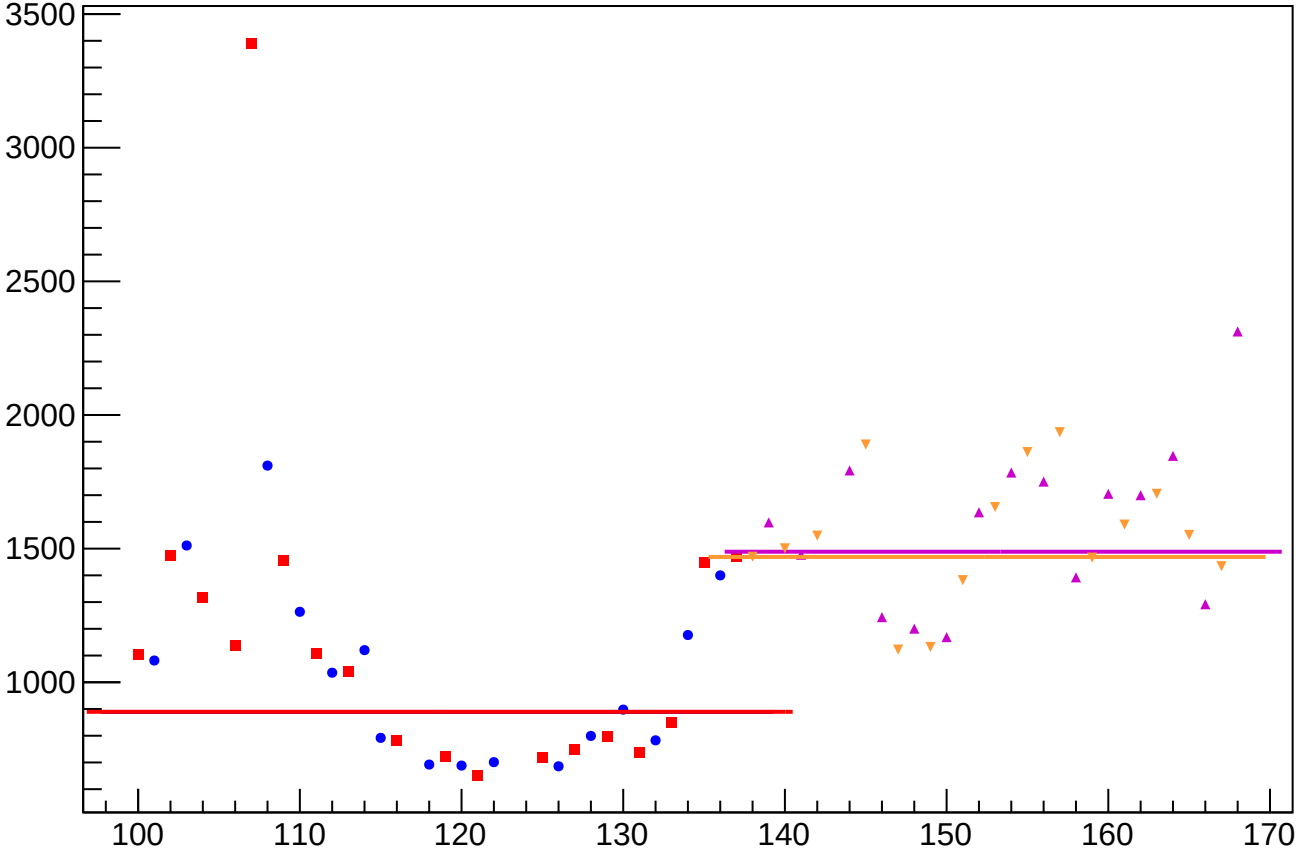
Left In: -464.865+/-431.230 χ^2/NDF:6.7/14

+ sign -592.795+/-270.691 χ^2/NDF: 53.0/30

All: -537.811+/-190.957 χ^2/NDF: 83.1/63

- sign -483.342+/-269.421 χ^2/NDF: 30.0/32

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1468.857+/-0.308 χ^2/NDF:628920.5/14

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

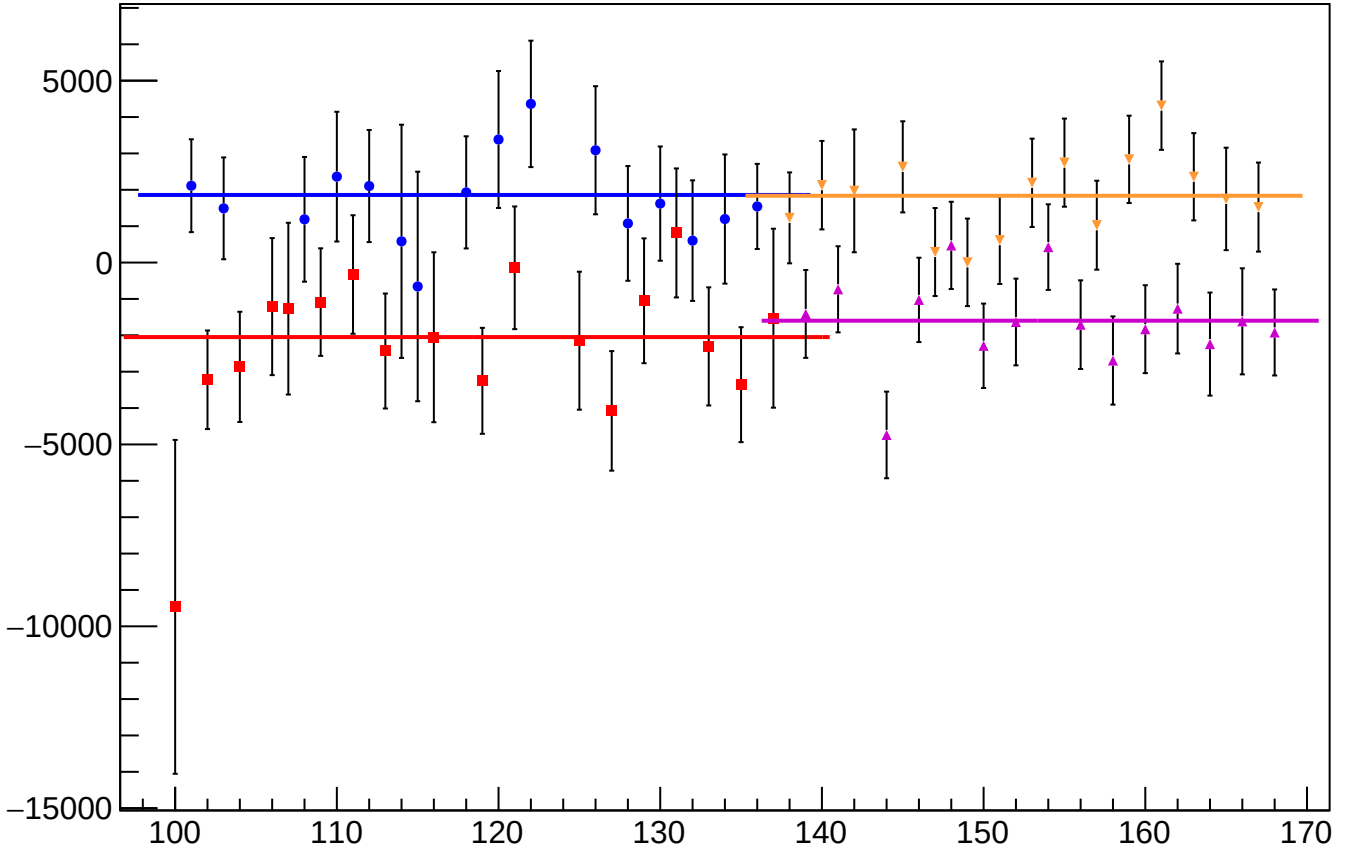
Left In: 1488.461+/-0.305 χ^2/NDF:807707.7/14

\+ sign 1112.772+/-0.191 χ^2/NDF: 3937021.9/30

All: 1118.053+/-0.135 χ^2/NDF: 8444490.6/63

\- sign 1123.285+/-0.191 χ^2/NDF: 4505953.1/32

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1836.276+/-322.170 χ^2/NDF:11.9/14

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

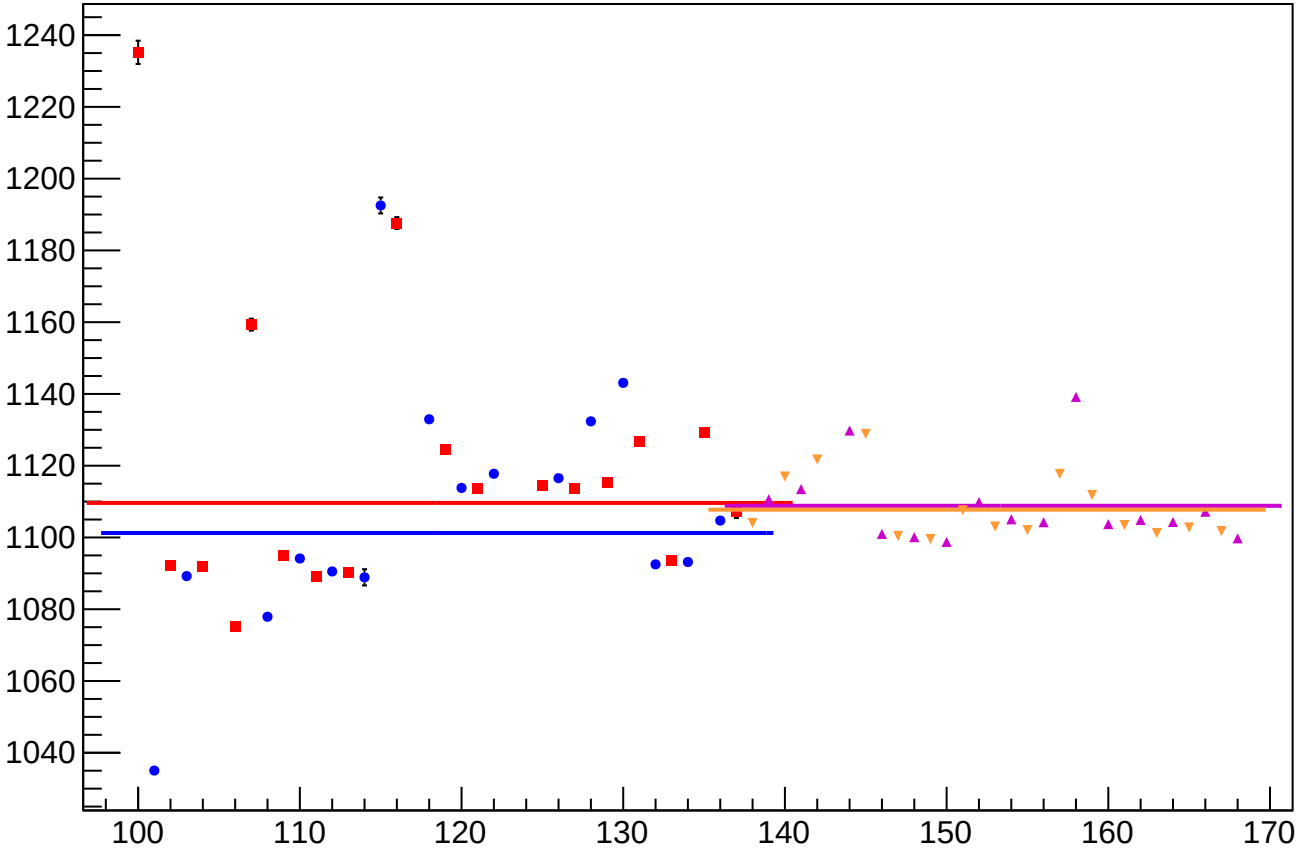
Left In: -1598.589+/-314.742 χ^2/NDF:15.3/14

+ sign 1844.851+/-253.124 χ^2/NDF: 17.3/30

All: 12.722+/-177.658 χ^2/NDF: 149.3/63

- sign -1766.046+/-249.410 χ^2/NDF: 28.8/32

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1107.746+/-0.228 χ^2/NDF:1390.7/14

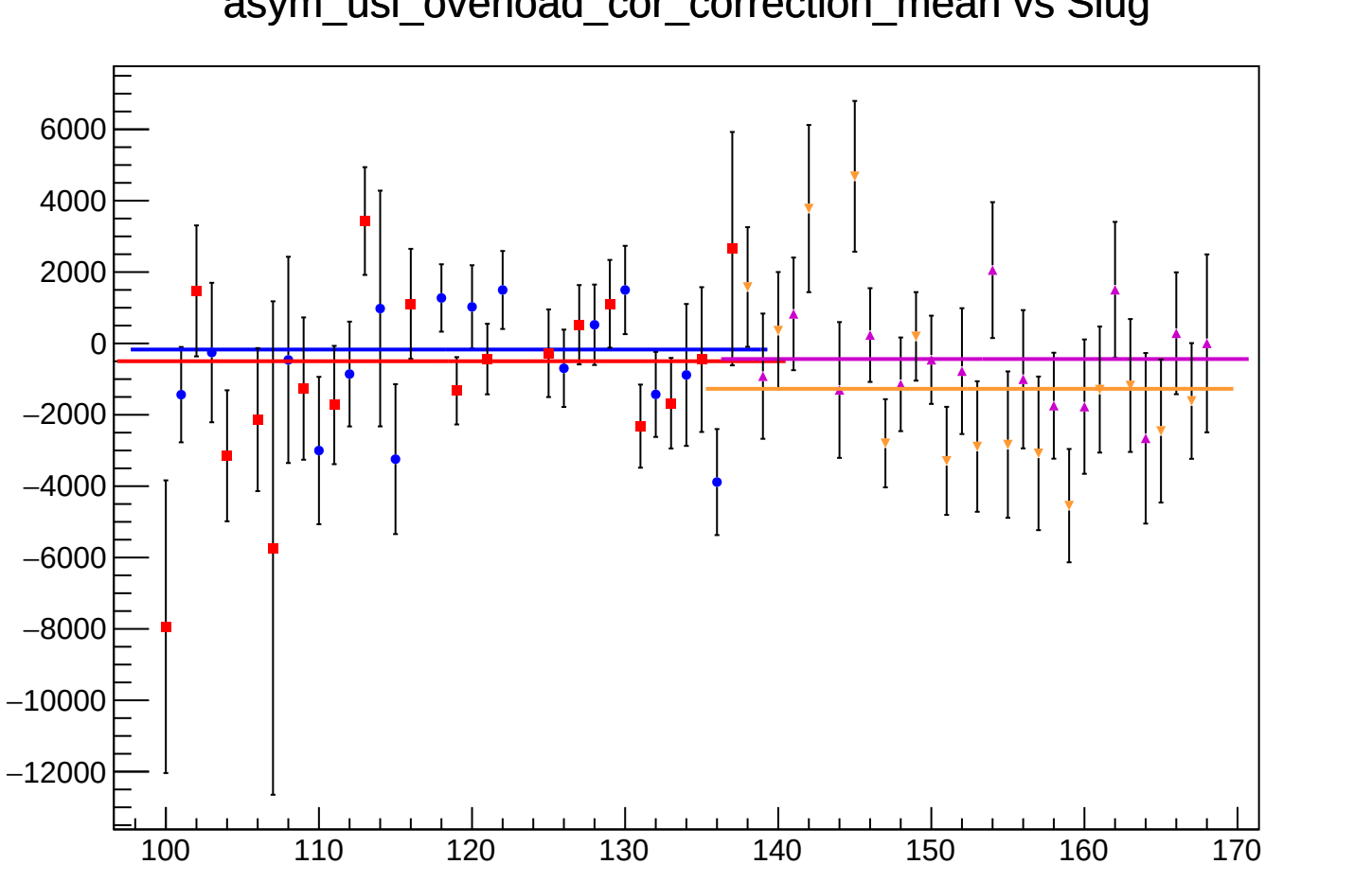
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1108.827+/-0.223 χ^2/NDF:2504.6/14

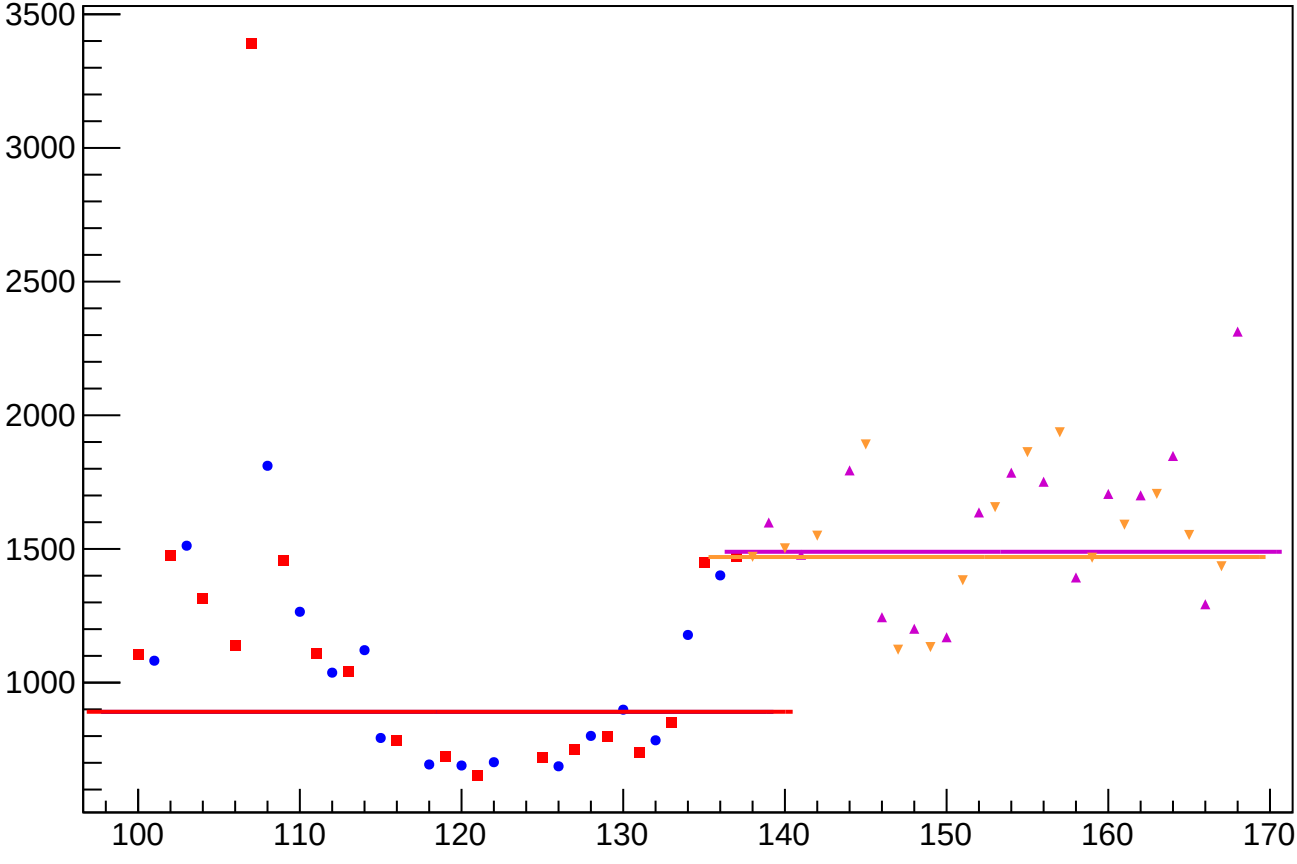
+ sign 1105.262+/-0.179 χ^2/NDF: 13009.8/30

All: 1107.222+/-0.126 χ^2/NDF: 23428.7/63

- sign 1109.125+/-0.176 χ^2/NDF: 10182.5/32


asym_usl_overload_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: -170.930+/-345.980 χ²/NDF: 20.9/15
Left Out: -1271.589+/-435.978 χ²/NDF:27.9/14
Right Out: -497.957+/-345.565 χ²/NDF: 23.9/17
Left In: -437.192+/-431.486 χ²/NDF:6.7/14
+ sign -596.238+/-271.013 χ²/NDF: 52.7/30
All: -534.935+/-191.179 χ²/NDF: 83.5/63
- sign -474.212+/-269.726 χ²/NDF: 30.6/32

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1469.776+/-0.308 χ^2/NDF:627956.8/14

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

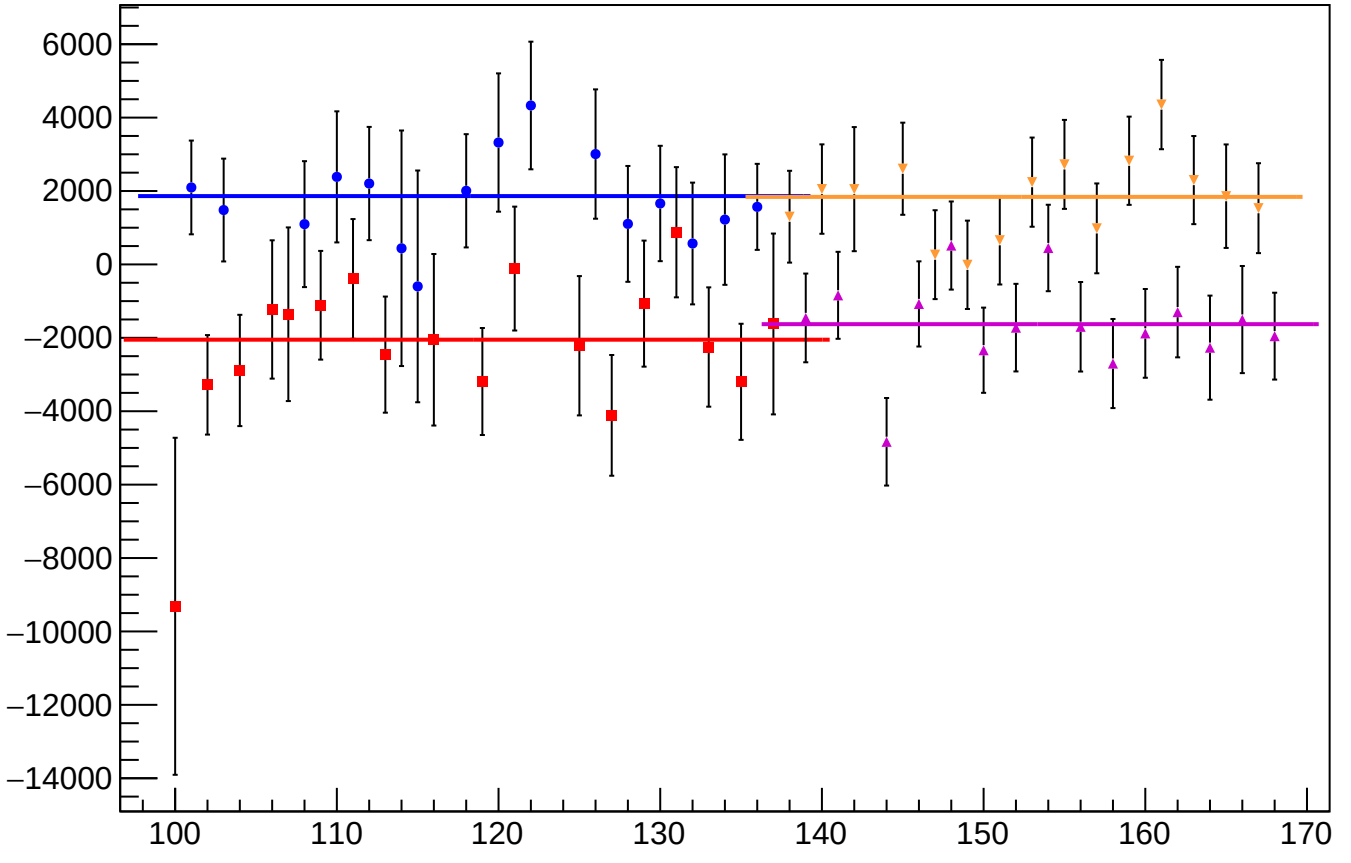
Left In: 1489.393+/-0.305 χ^2/NDF:806377.6/14

+ sign 1114.336+/-0.192 χ^2/NDF: 3923187.3/30

All: 1119.589+/-0.135 χ^2/NDF: 8416802.4/63

- sign 1124.792+/-0.191 χ^2/NDF: 4492119.4/32

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1839.955+/-322.503 χ^2/NDF:11.9/14

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

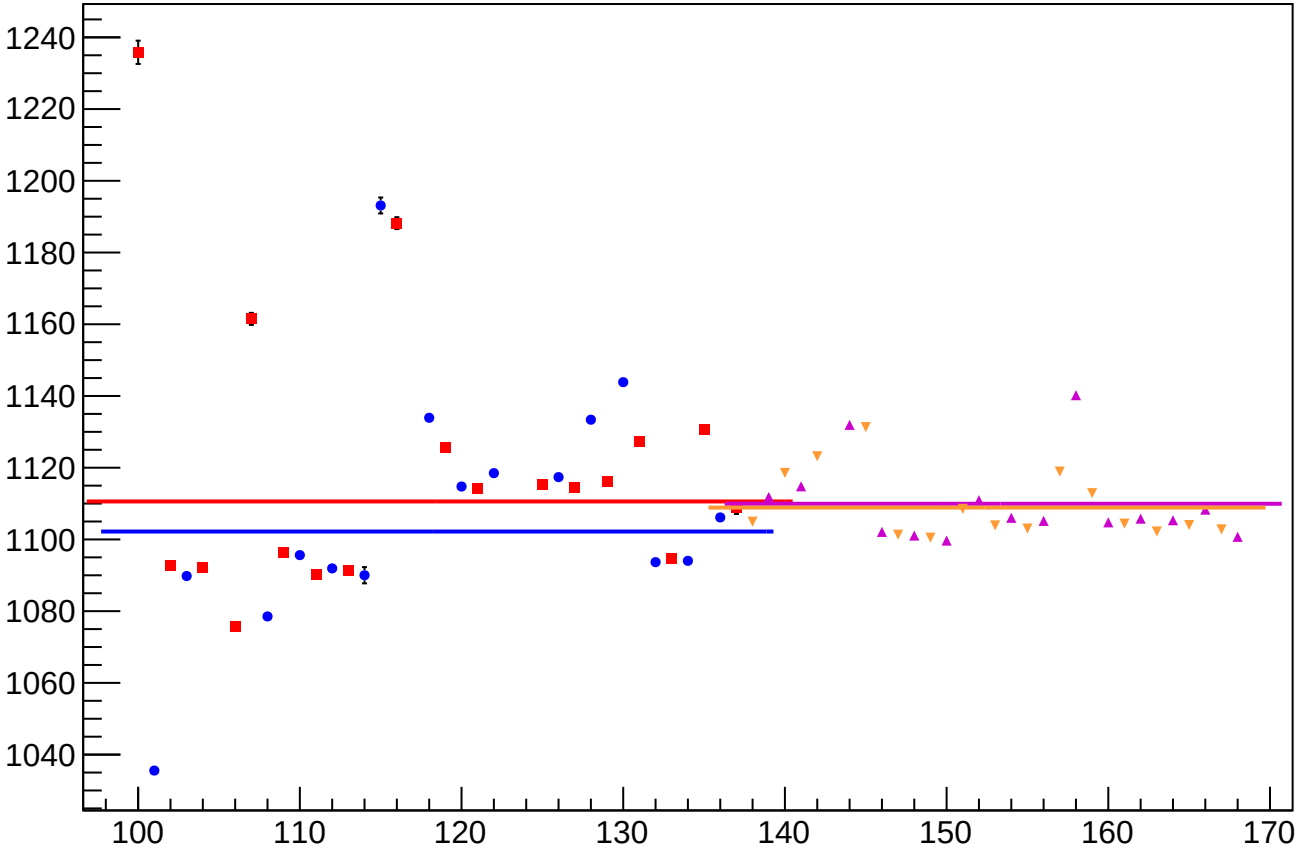
Left In: -1627.987+/-315.059 χ^2/NDF:15.8/14

+ sign 1848.212+/-253.369 χ^2/NDF: 17.2/30

All: 4.566+/-177.829 χ^2/NDF: 150.6/63

- sign -1785.341+/-249.649 χ^2/NDF: 29.0/32

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1108.884+/-0.228 χ^2/NDF:1501.5/14

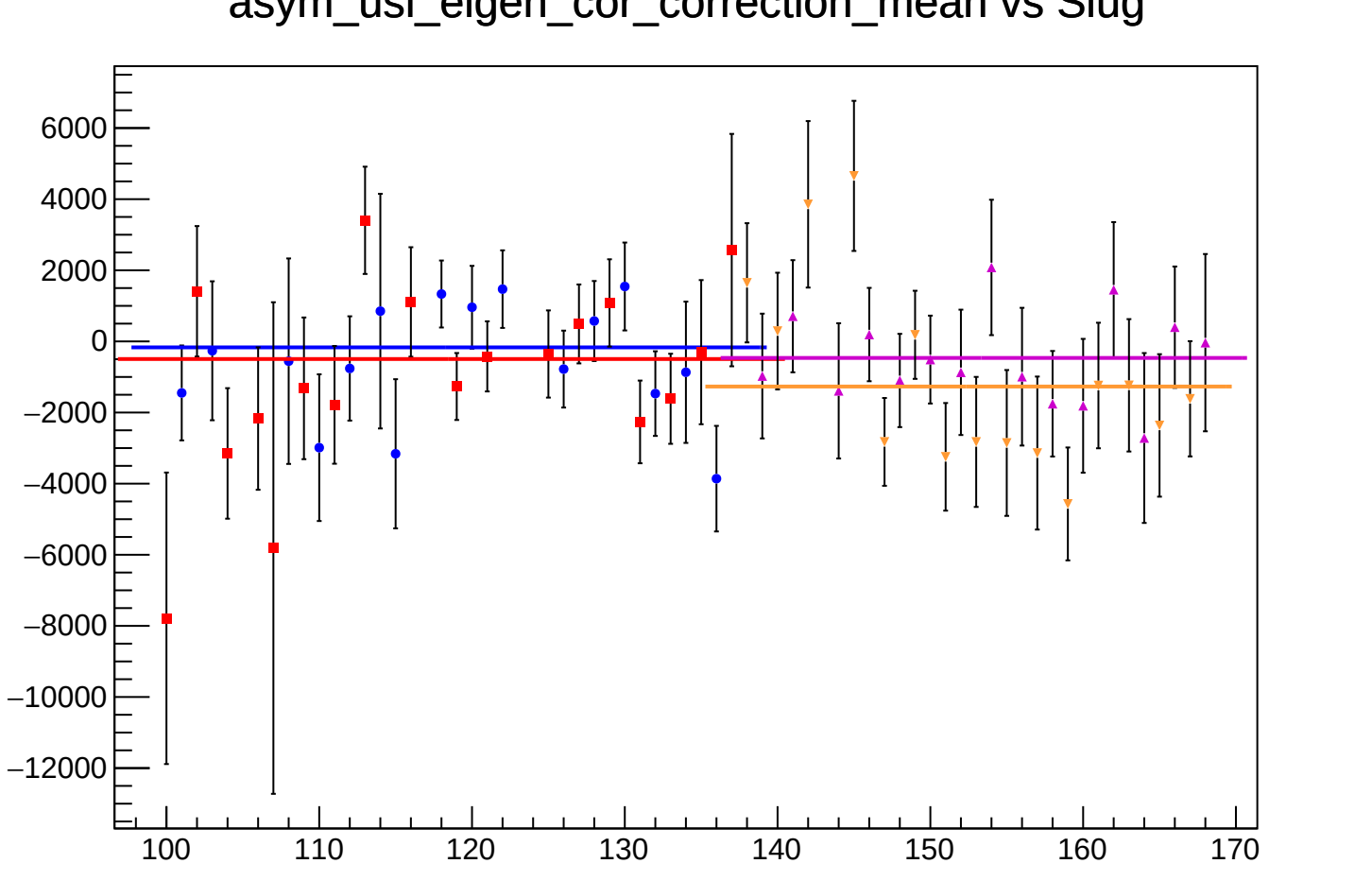
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1109.944+/-0.223 χ^2/NDF:2577.8/14

+ sign 1106.328+/-0.179 χ^2/NDF: 13178.8/30

All: 1108.285+/-0.126 χ^2/NDF: 23690.9/63

- sign 1110.185+/-0.177 χ^2/NDF: 10277.0/32



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

Left Out: -1268.805+/-435.718 χ^2/NDF:28.0/14

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

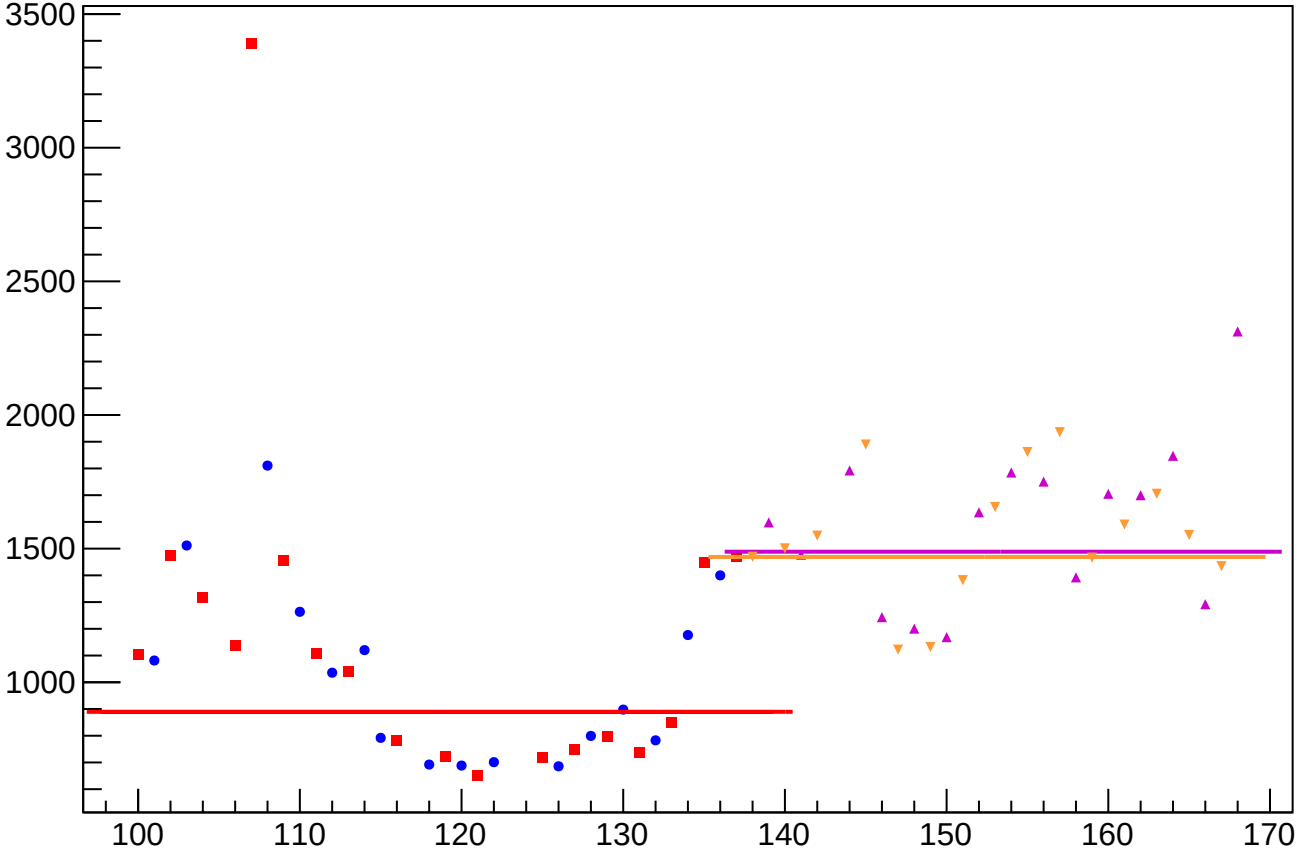
Left In: -464.865+/-431.230 χ^2/NDF:6.7/14

+ sign -592.795+/-270.691 χ^2/NDF: 53.0/30

All: -537.811+/-190.957 χ^2/NDF: 83.1/63

- sign -483.342+/-269.421 χ^2/NDF: 30.0/32

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1468.857+/-0.308 χ^2/NDF:628920.5/14

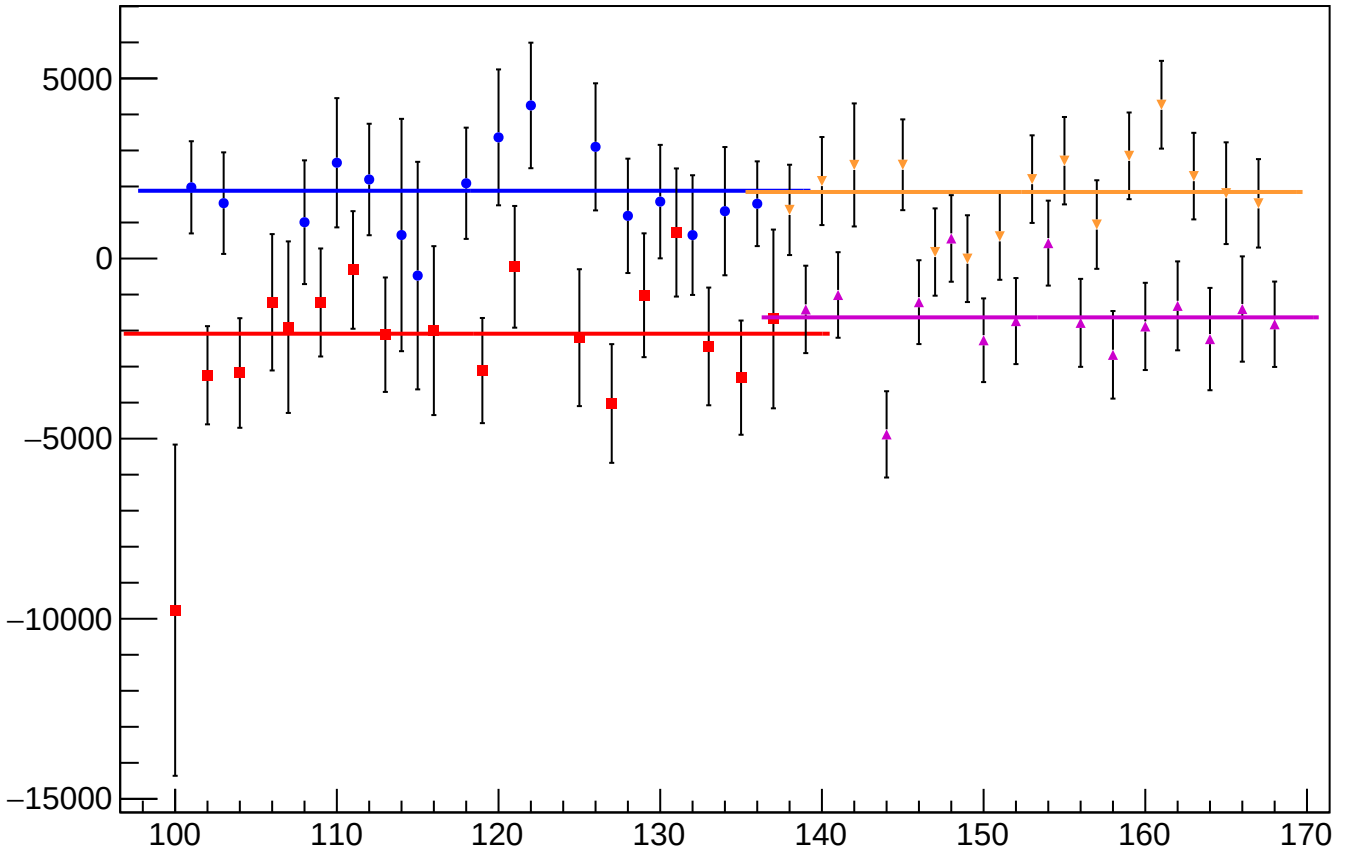
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1488.461+/-0.305 χ^2/NDF:807707.7/14

\+ sign 1112.772+/-0.191 χ^2/NDF: 3937021.9/30

All: 1118.053+/-0.135 χ^2/NDF: 8444490.6/63

\- sign 1123.285+/-0.191 χ^2/NDF: 4505953.1/32



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

Left Out: 1847.685+/-323.203 χ^2/NDF:12.1/14

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

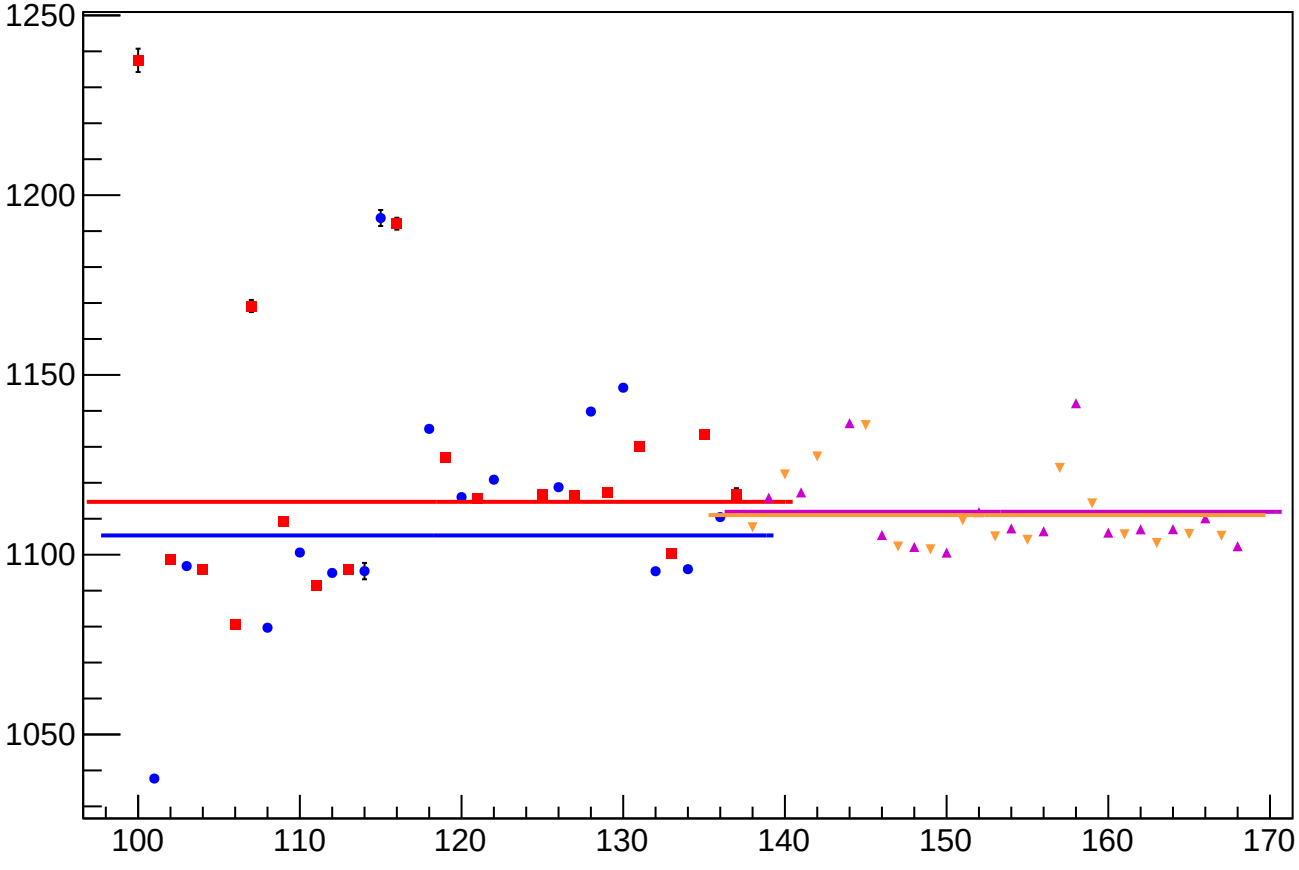
Left In: -1633.052+/-315.631 χ^2/NDF:15.6/14

+ sign 1860.627+/-253.987 χ^2/NDF: 17.2/30

All: 2.644+/-178.272 χ^2/NDF: 151.4/63

- sign -1801.524+/-250.282 χ^2/NDF: 28.7/32

dit_asym_usl_rms vs Slug



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

Left Out: 1111.014+/-0.229 χ^2/NDF:1936.7/14

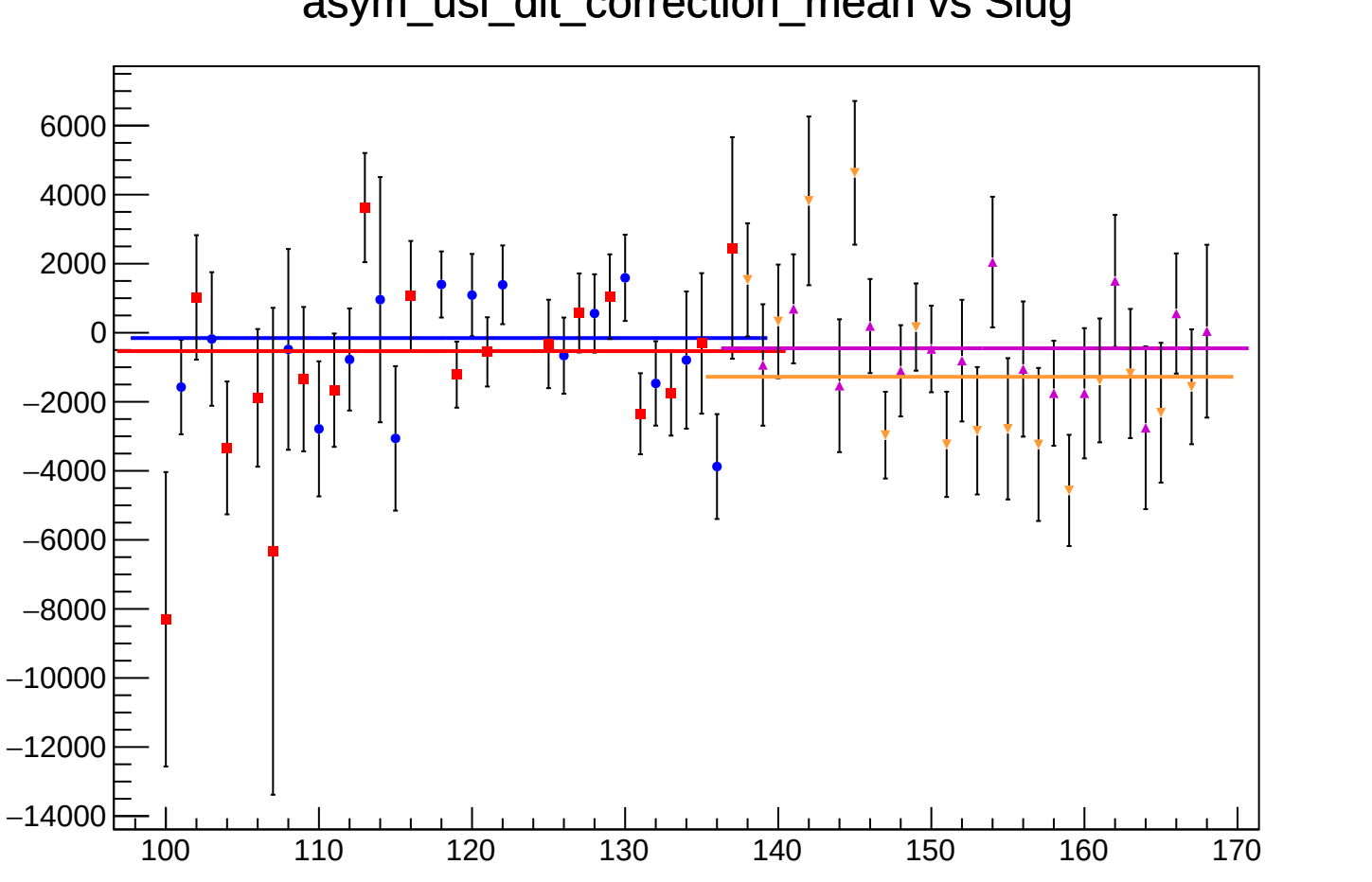
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1111.931+/-0.223 χ^2/NDF:2831.6/14

+ sign 1108.850+/-0.180 χ^2/NDF: 13502.1/30

All: 1110.936+/-0.126 χ^2/NDF: 23987.2/63

- sign 1112.961+/-0.177 χ^2/NDF: 10219.3/32



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

Left Out: -1277.077+/-440.570 χ^2/NDF:27.6/14

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

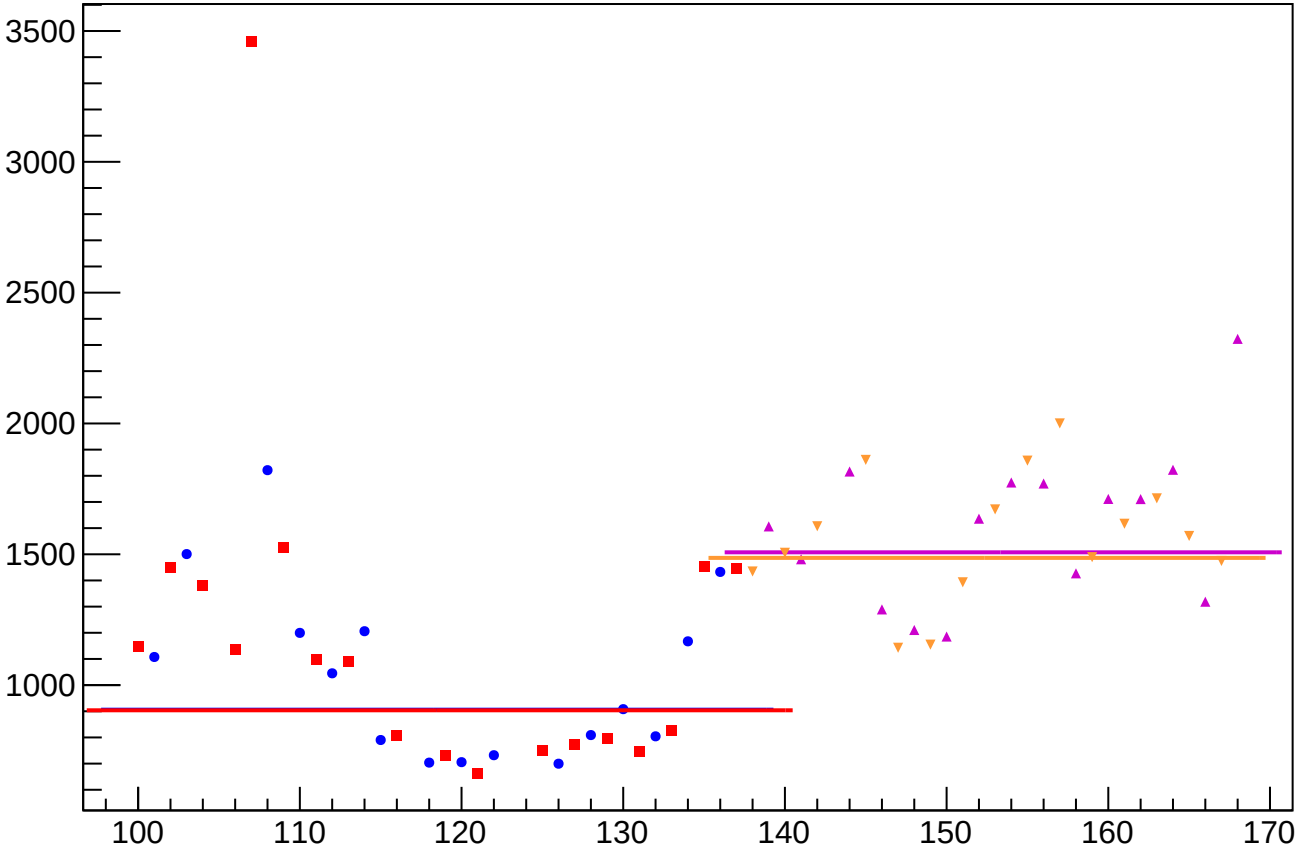
Left In: -451.353+/-436.008 χ^2/NDF:6.8/14

+ sign -590.546+/-274.679 χ^2/NDF: 52.0/30

All: -545.242+/-193.678 χ^2/NDF: 82.1/63

- sign -500.447+/-273.132 χ^2/NDF: 30.1/32

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1486.266+/-0.312 χ^2/NDF:603820.7/14

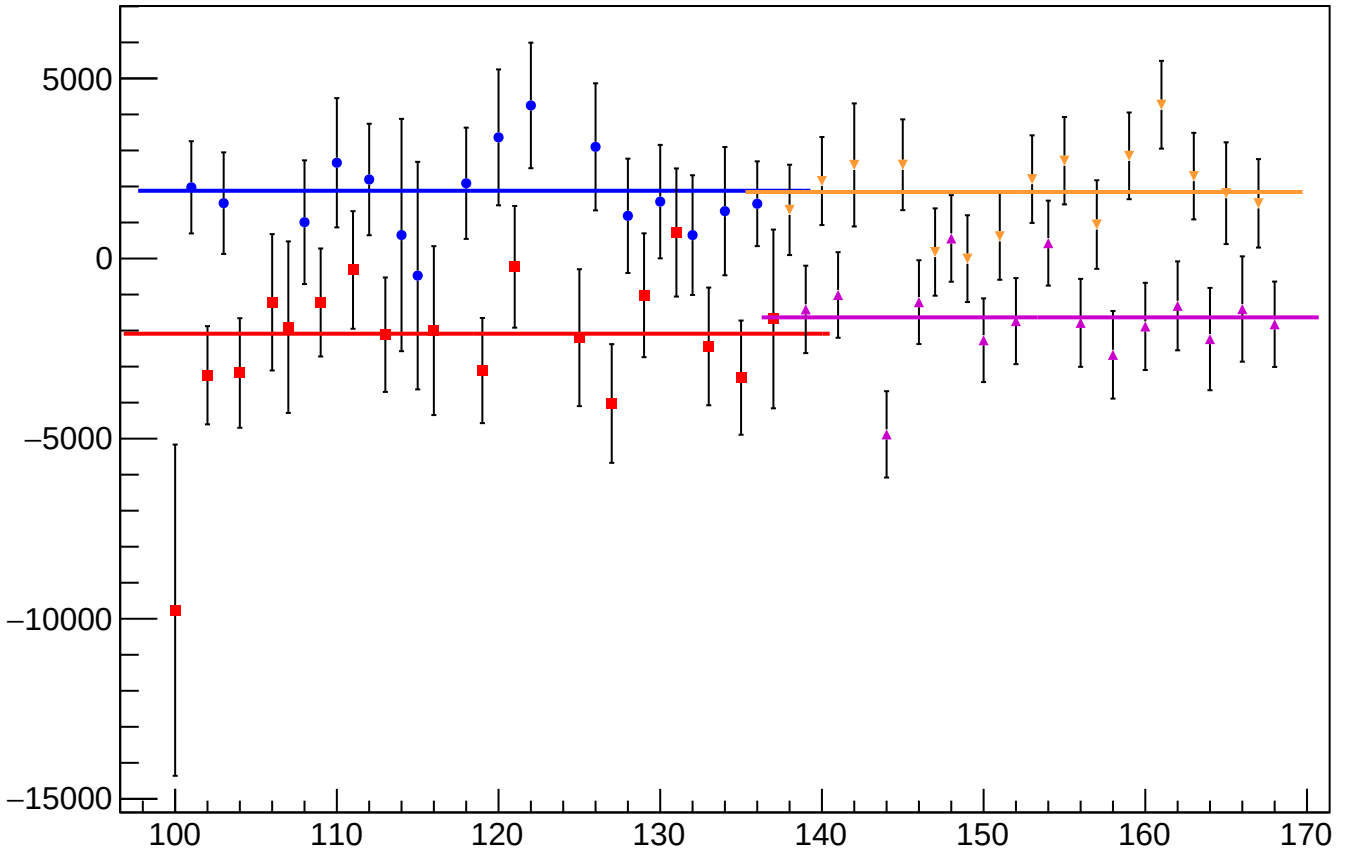
Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1507.542+/-0.308 χ^2/NDF:752392.4/14

+ sign 1131.575+/-0.194 χ^2/NDF: 3803822.4/30

All: 1136.160+/-0.137 χ^2/NDF: 8227600.0/63

- sign 1140.695+/-0.193 χ^2/NDF: 4422668.9/32



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

Left Out: 1847.680+/-323.203 χ^2/NDF:12.1/14

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

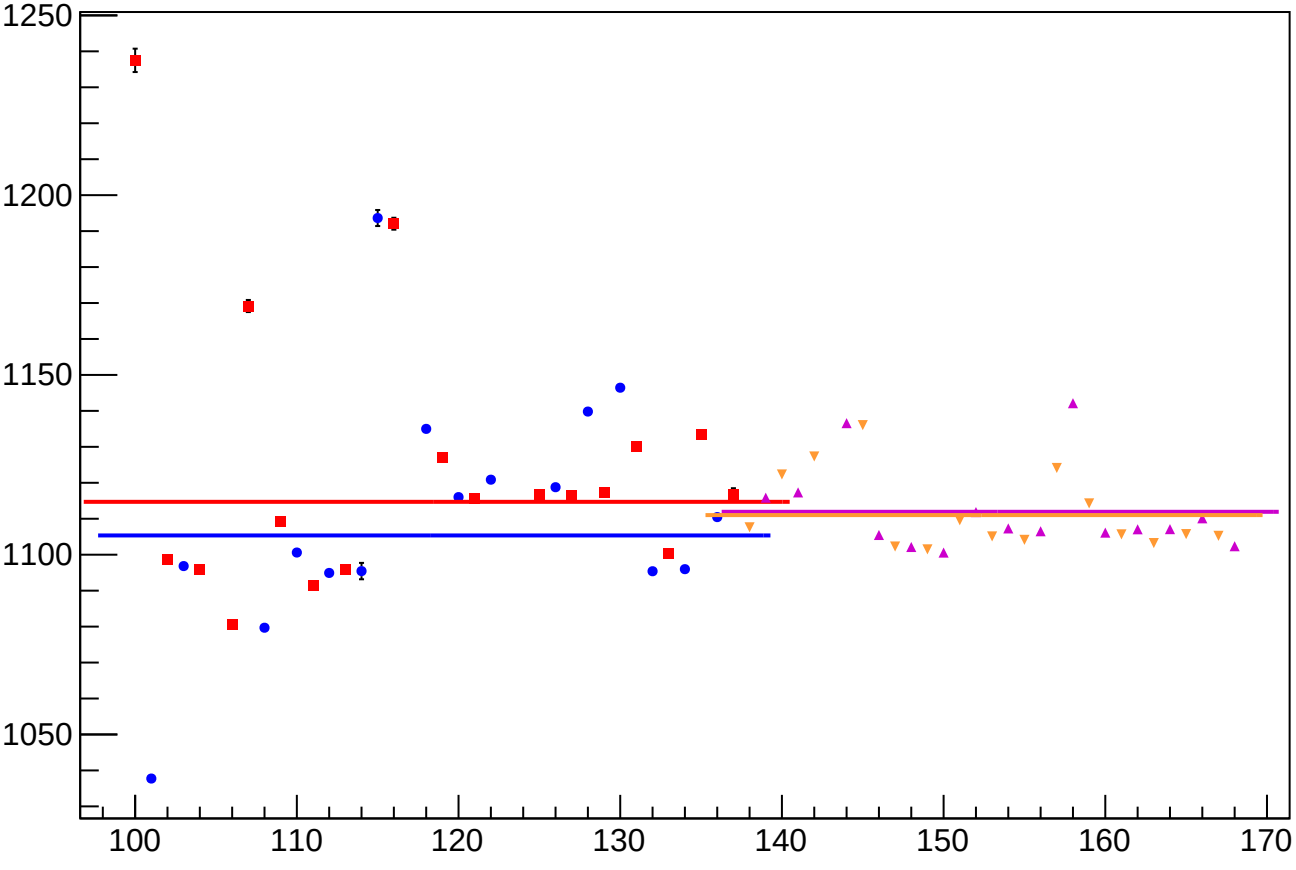
Left In: -1633.054+/-315.631 χ^2/NDF:15.6/14

+ sign 1860.624+/-253.987 χ^2/NDF: 17.2/30

All: 2.642+/-178.272 χ^2/NDF: 151.4/63

- sign -1801.524+/-250.282 χ^2/NDF: 28.7/32

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1111.014+/-0.229 χ^2/NDF:1936.7/14

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

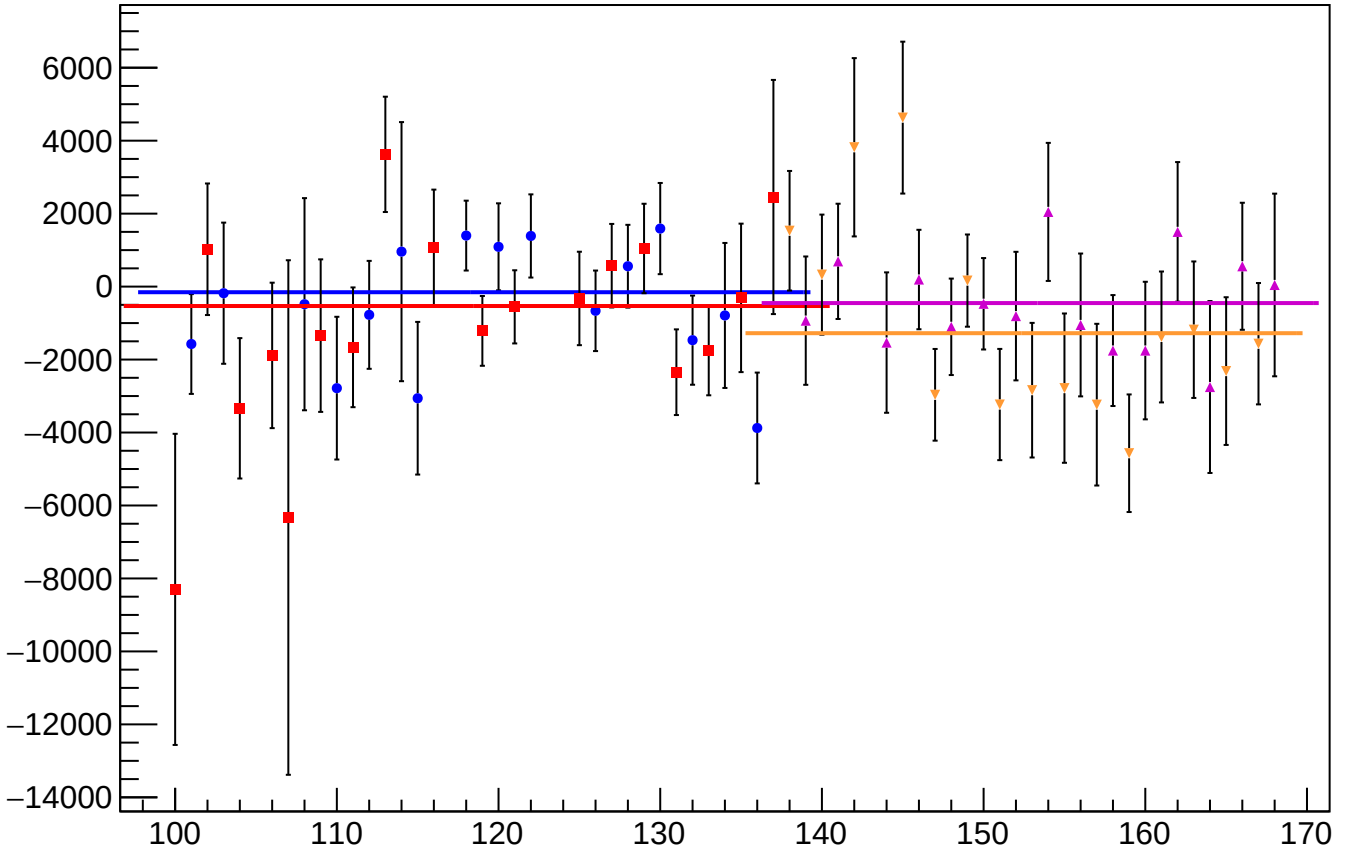
Left In: 1111.931+/-0.223 χ^2/NDF:2831.6/14

+ sign 1108.850+/-0.180 χ^2/NDF: 13502.1/30

All: 1110.935+/-0.126 χ^2/NDF: 23987.2/63

- sign 1112.961+/-0.177 χ^2/NDF: 10219.2/32

asym_usl_eigen_dit_correction_mean vs Slug



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

Left Out: -1277.082+/-440.570 χ^2/NDF:27.6/14

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

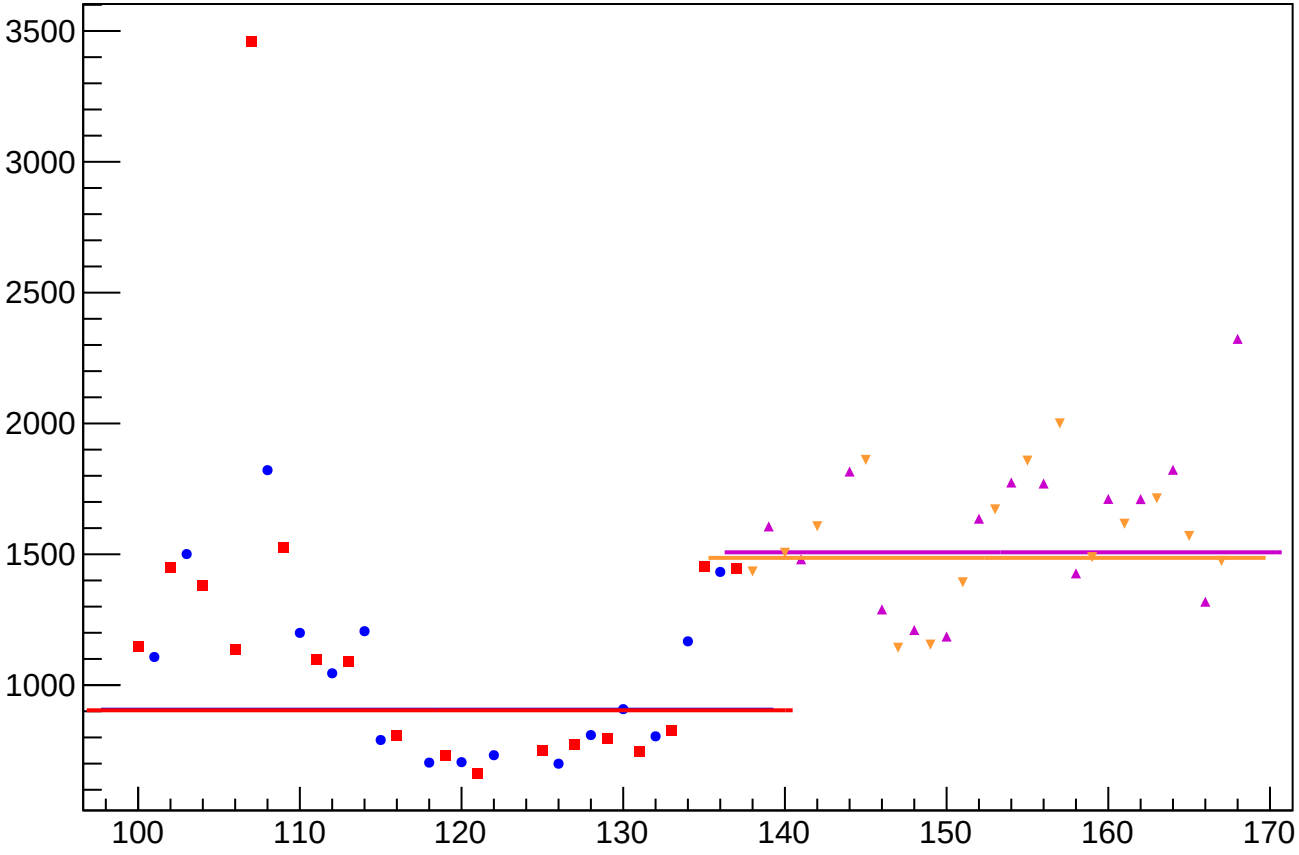
Left In: -451.355+/-436.009 χ^2/NDF:6.8/14

+ sign -590.546+/-274.679 χ^2/NDF: 52.0/30

All: -545.242+/-193.678 χ^2/NDF: 82.1/63

- sign -500.447+/-273.132 χ^2/NDF: 30.1/32

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1486.268+/-0.312 χ^2/NDF:603817.4/14

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

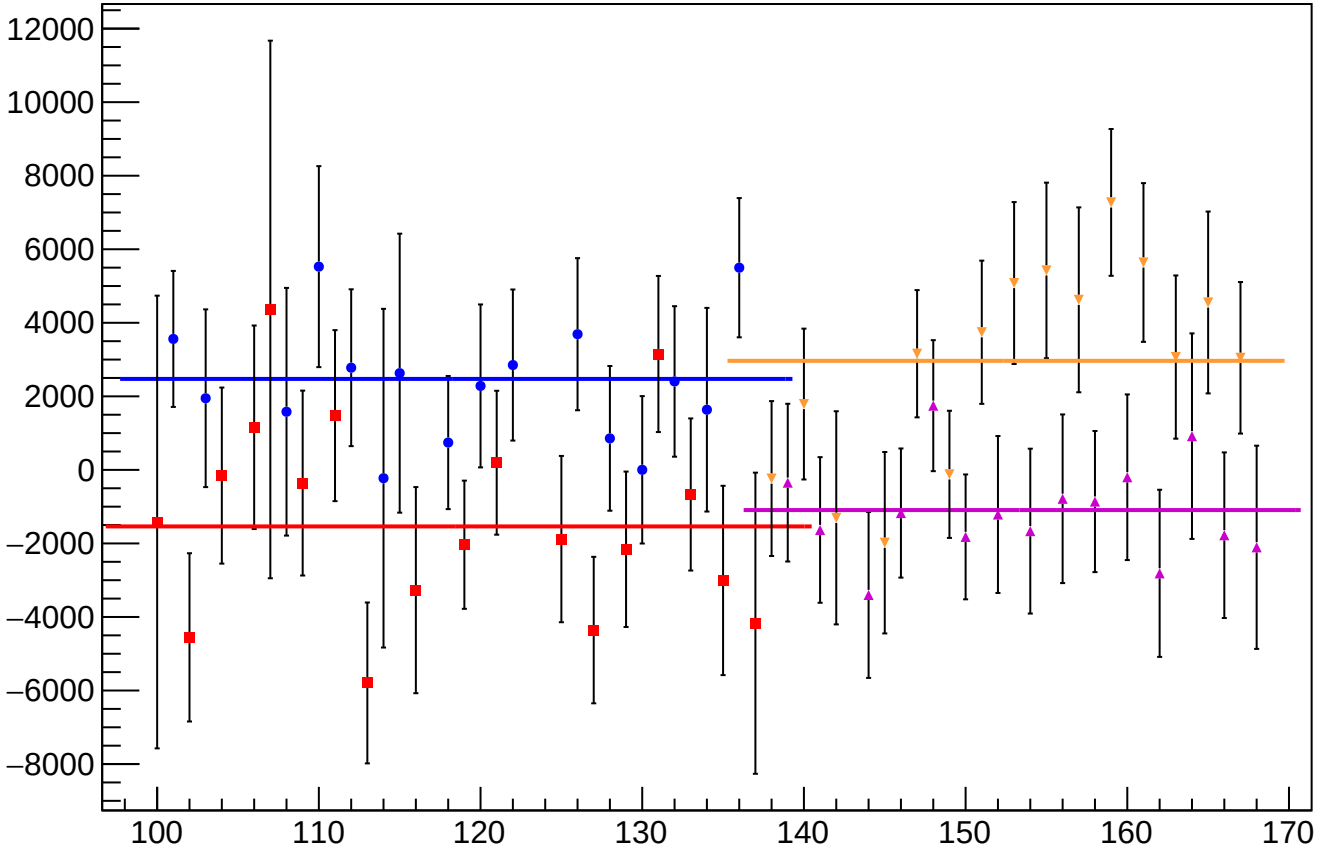
Left In: 1507.544+/-0.308 χ^2/NDF:752388.0/14

+ sign 1131.573+/-0.194 χ^2/NDF: 3803852.7/30

All: 1136.159+/-0.137 χ^2/NDF: 8227660.3/63

- sign 1140.693+/-0.193 χ^2/NDF: 4422699.1/32

asym_usl_mean vs Slug



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

Left Out: 2965.915+/-551.607 χ^2/NDF:21.2/14

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

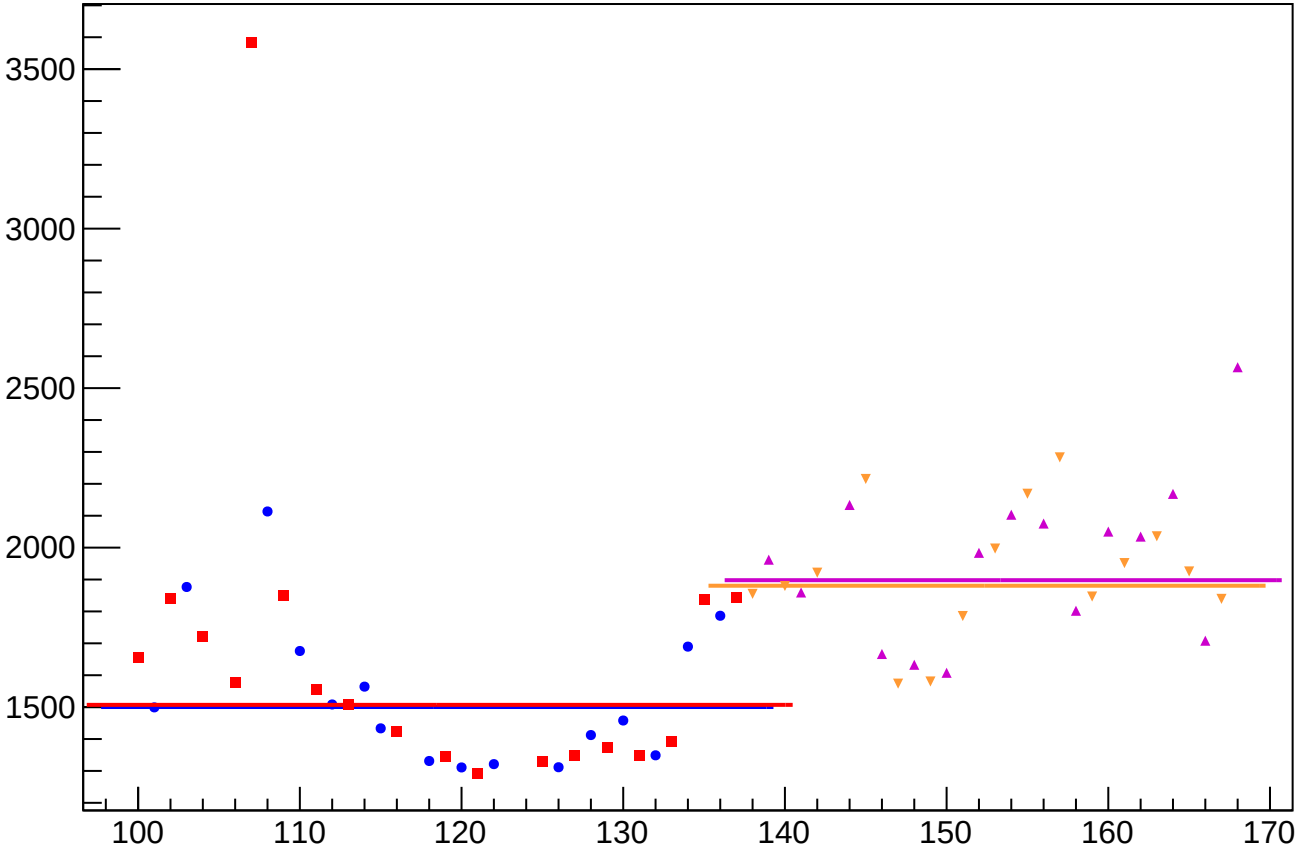
Left In: -1092.703+/-543.727 χ^2/NDF:5.5/14

+ sign 2724.928+/-393.941 χ^2/NDF: 29.8/30

All: 695.325+/-277.618 χ^2/NDF: 106.9/63

- sign -1307.108+/-391.296 χ^2/NDF: 24.4/32

asym_usl_rms vs Slug



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

Left Out: 1880.569+/-0.390 χ^2/NDF:265466.0/14

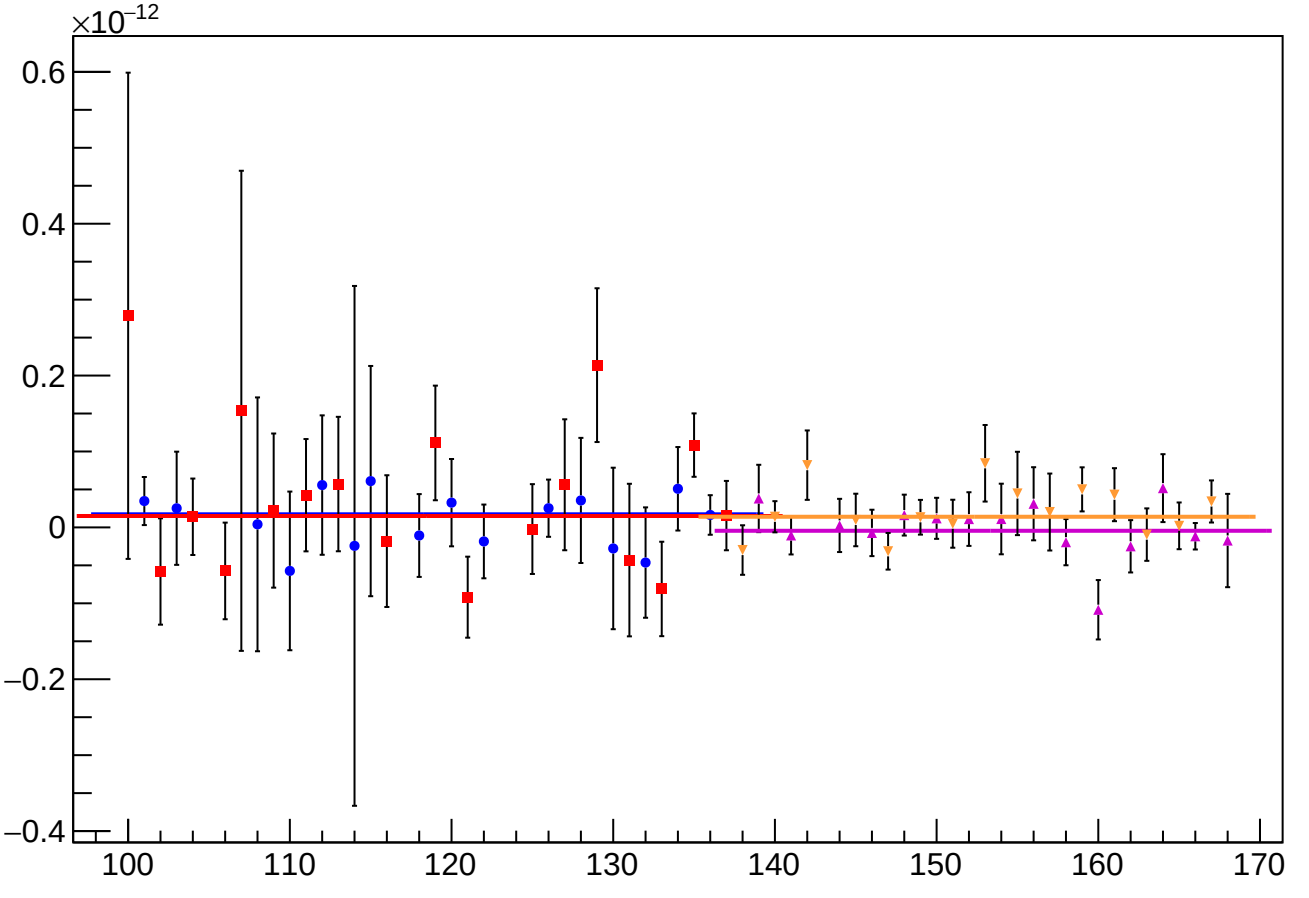
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1897.913+/-0.384 χ^2/NDF:364889.4/14

+ sign 1694.290+/-0.279 χ^2/NDF: 989779.1/30

All: 1701.947+/-0.196 χ^2/NDF: 2255530.6/63

- sign 1709.502+/-0.277 χ^2/NDF: 1264250.4/32



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

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/14

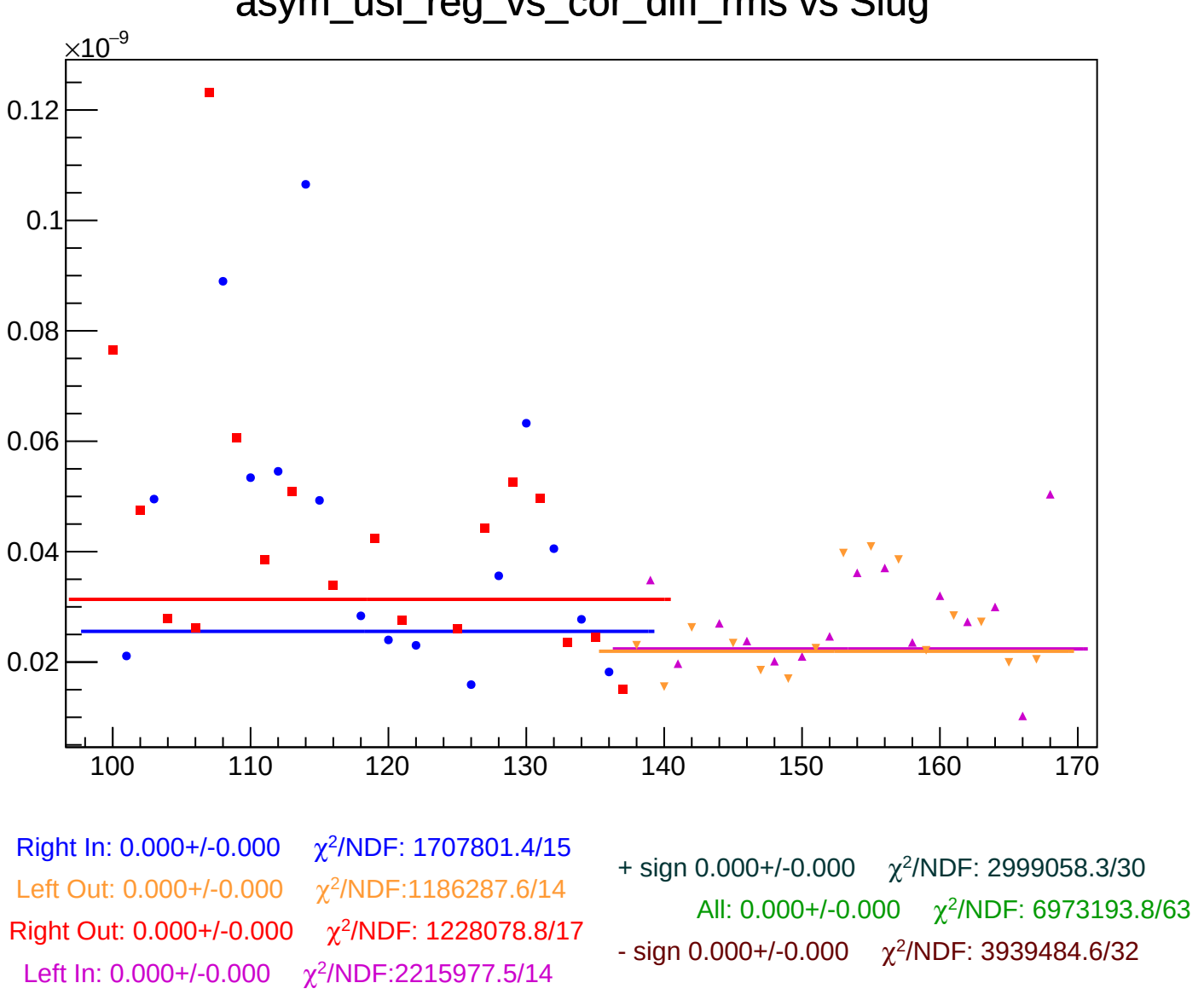
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: -0.000+/-0.000 χ^2/NDF:12.3/14

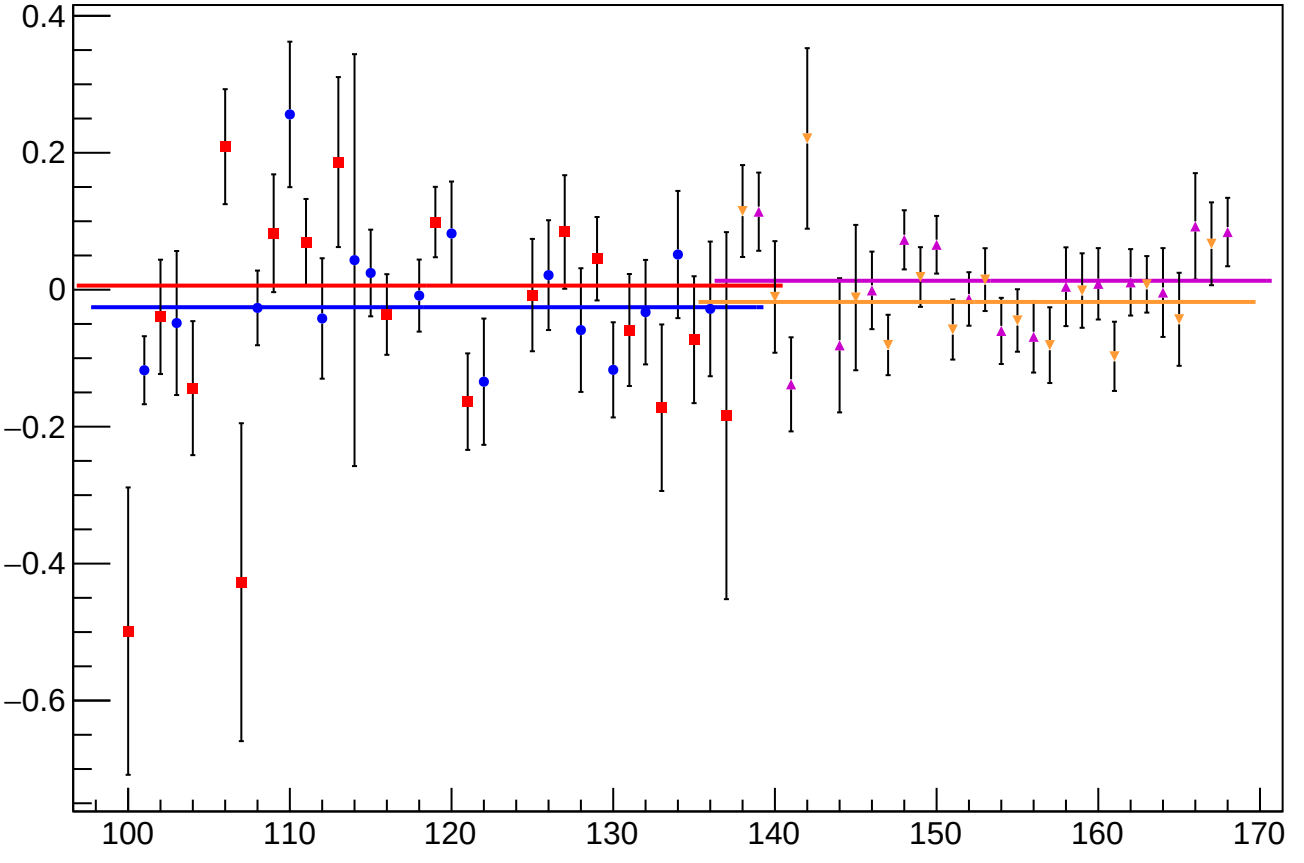
+ sign 0.000+/-0.000 χ^2/NDF: 16.8/30

All: 0.000+/-0.000 χ^2/NDF: 53.9/63

- sign -0.000+/-0.000 χ^2/NDF: 34.7/32


asym_usl_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1707801.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1186287.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 1228078.8/17
Left In: 0.000+/-0.000 χ²/NDF:2215977.5/14
+ sign 0.000+/-0.000 χ²/NDF: 2999058.3/30
All: 0.000+/-0.000 χ²/NDF: 6973193.8/63
- sign 0.000+/-0.000 χ²/NDF: 3939484.6/32

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.018+/-0.014 χ^2/NDF:18.0/14

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

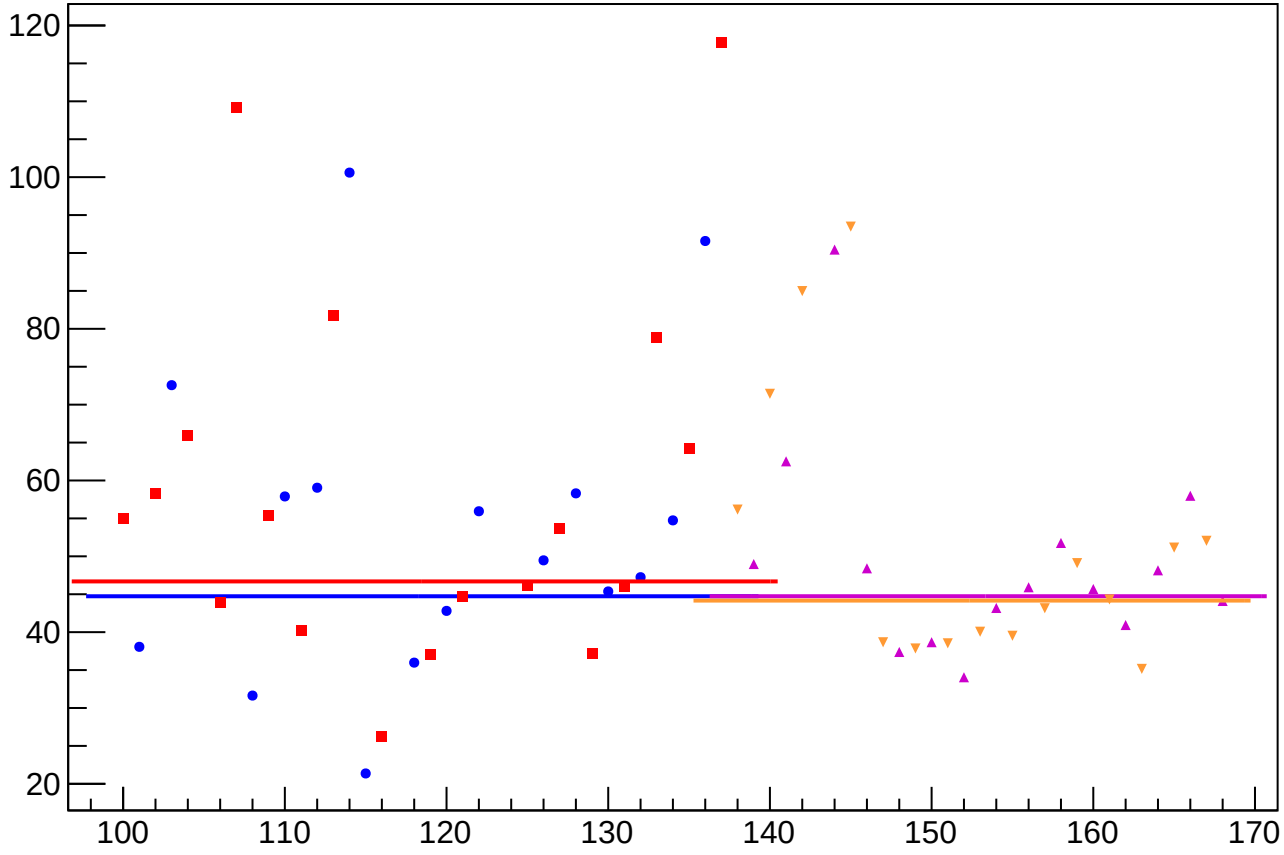
Left In: 0.013+/-0.014 χ^2/NDF:20.8/14

+ sign -0.021+/-0.011 χ^2/NDF: 35.7/30

All: -0.005+/-0.008 χ^2/NDF: 97.1/63

- sign 0.011+/-0.011 χ^2/NDF: 57.4/32

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 44.165+/-0.010 χ^2/NDF:1221490.1/14

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

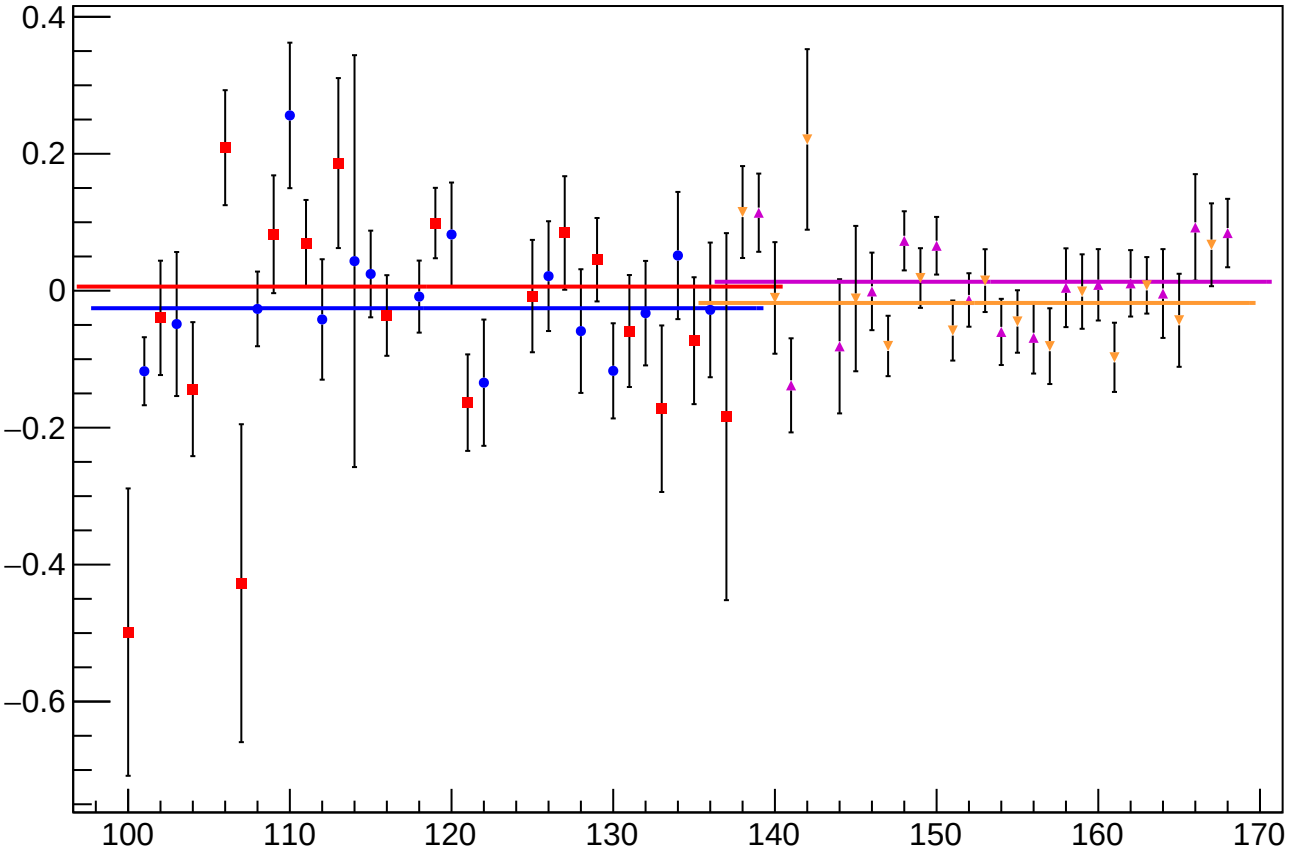
Left In: 44.738+/-0.010 χ^2/NDF:947397.7/14

+ sign 44.366+/-0.008 χ^2/NDF: 2557215.0/30

All: 44.876+/-0.006 χ^2/NDF: 4721953.1/63

- sign 45.384+/-0.008 χ^2/NDF: 2156436.1/32

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.018+/-0.014 χ^2/NDF:18.0/14

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

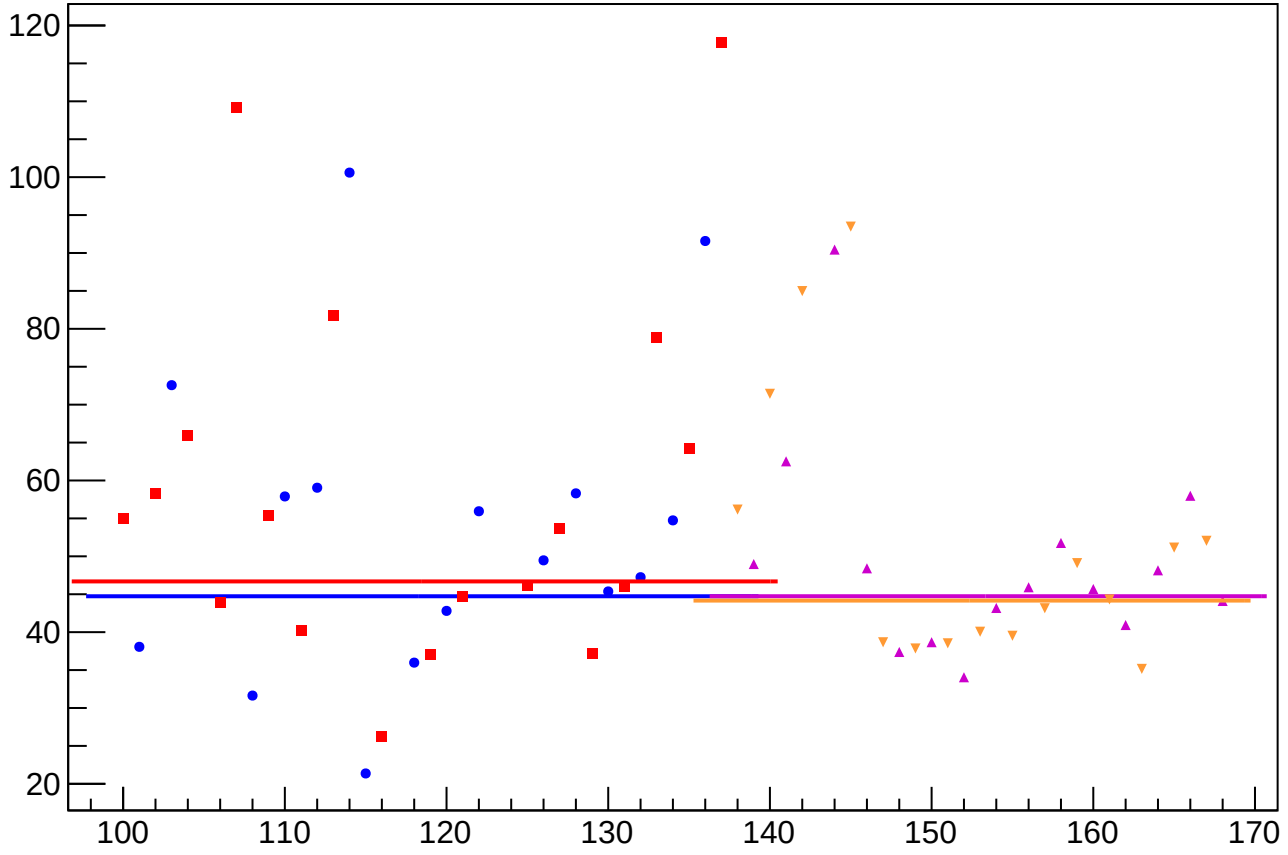
Left In: 0.013+/-0.014 χ^2/NDF:20.8/14

+ sign -0.021+/-0.011 χ^2/NDF: 35.7/30

All: -0.005+/-0.008 χ^2/NDF: 97.1/63

- sign 0.011+/-0.011 χ^2/NDF: 57.4/32

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 44.165+/-0.010 χ^2/NDF:1221490.1/14

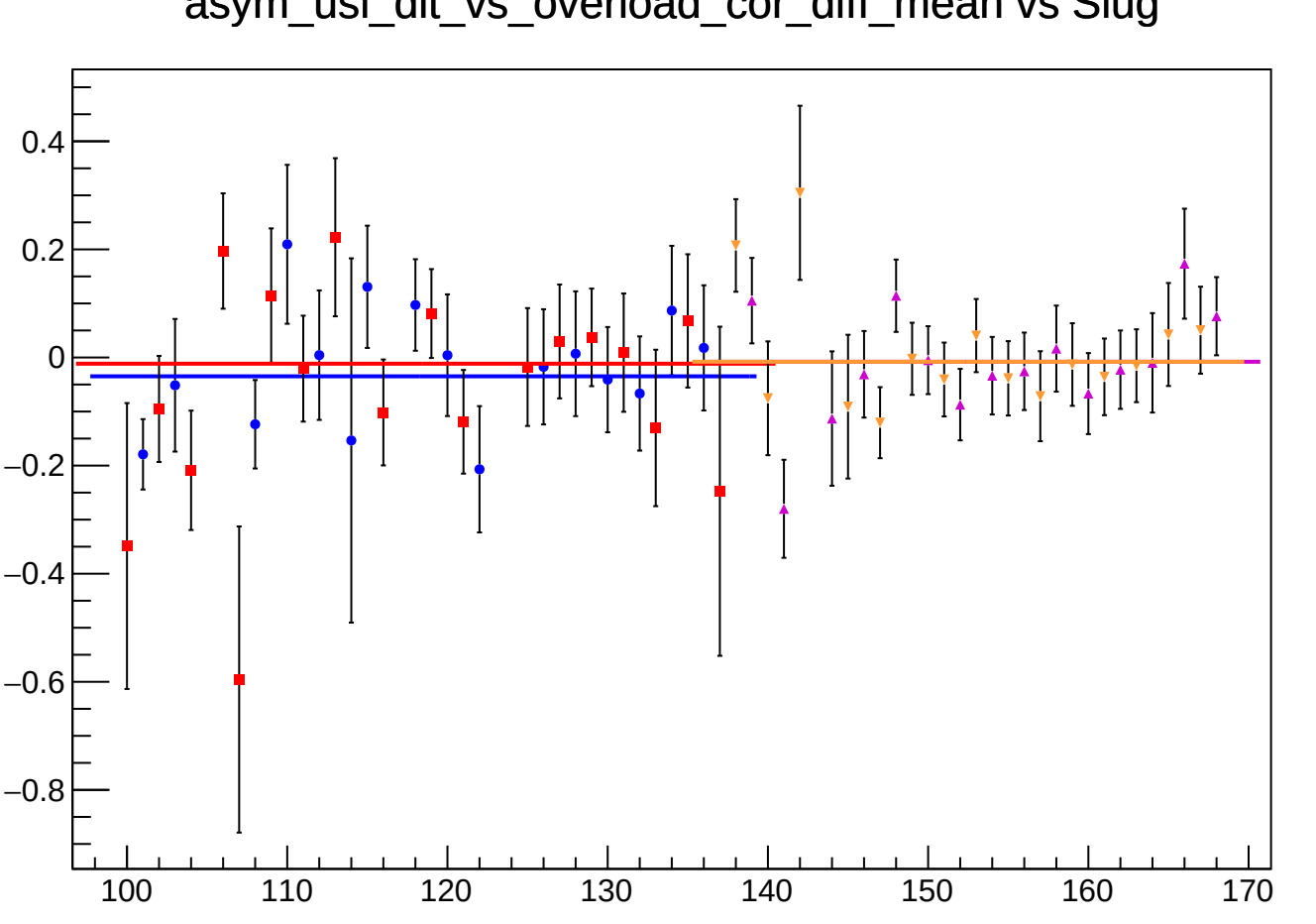
Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 44.738+/-0.010 χ^2/NDF:947397.7/14

+ sign 44.366+/-0.008 χ^2/NDF: 2557215.0/30

All: 44.876+/-0.006 χ^2/NDF: 4721953.1/63

- sign 45.384+/-0.008 χ^2/NDF: 2156436.1/32



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

Left Out: -0.008+/-0.020 χ^2/NDF:16.3/14

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

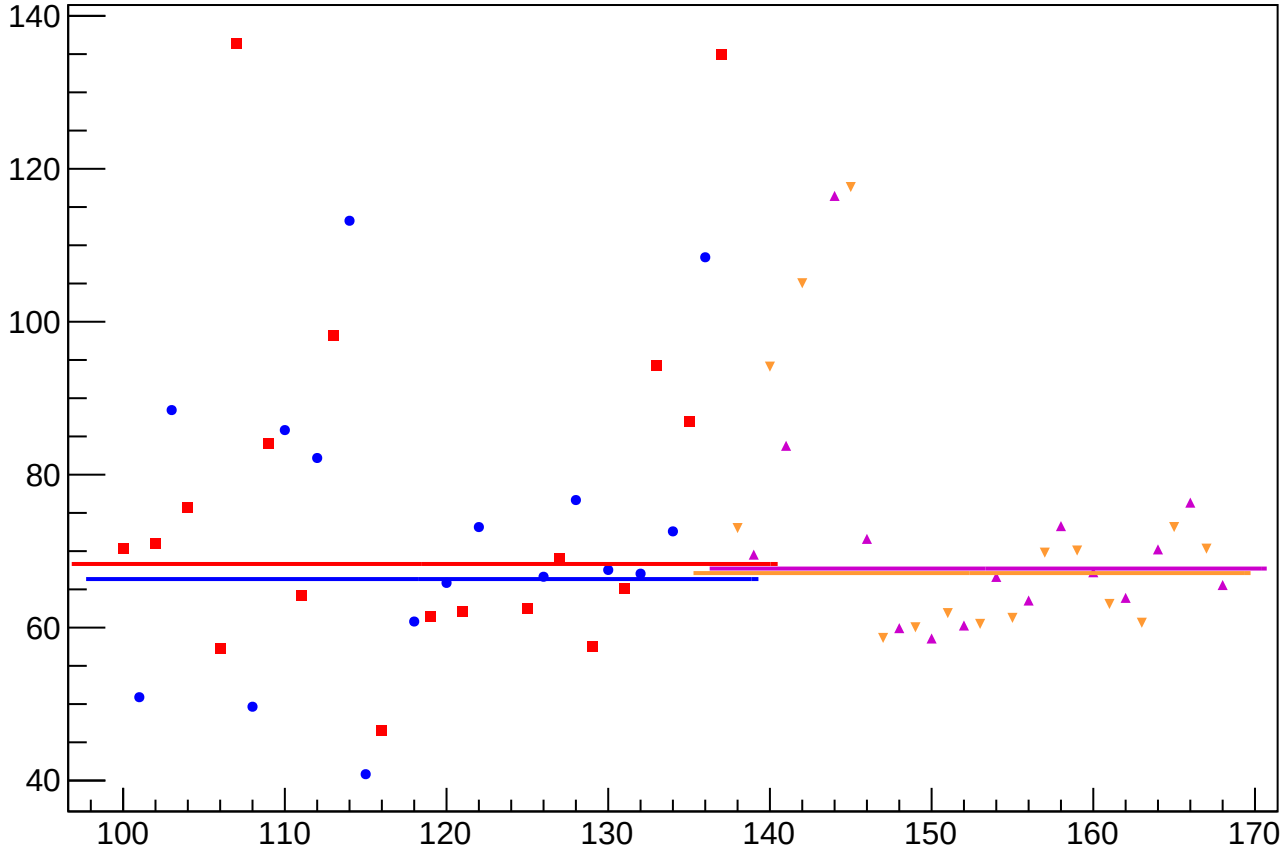
Left In: -0.008+/-0.020 χ^2/NDF:22.1/14

+ sign -0.018+/-0.016 χ^2/NDF: 34.4/30

All: -0.014+/-0.011 χ^2/NDF: 79.5/63

- sign -0.009+/-0.016 χ^2/NDF: 44.9/32

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 67.131+/-0.014 χ^2/NDF:682429.8/14

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

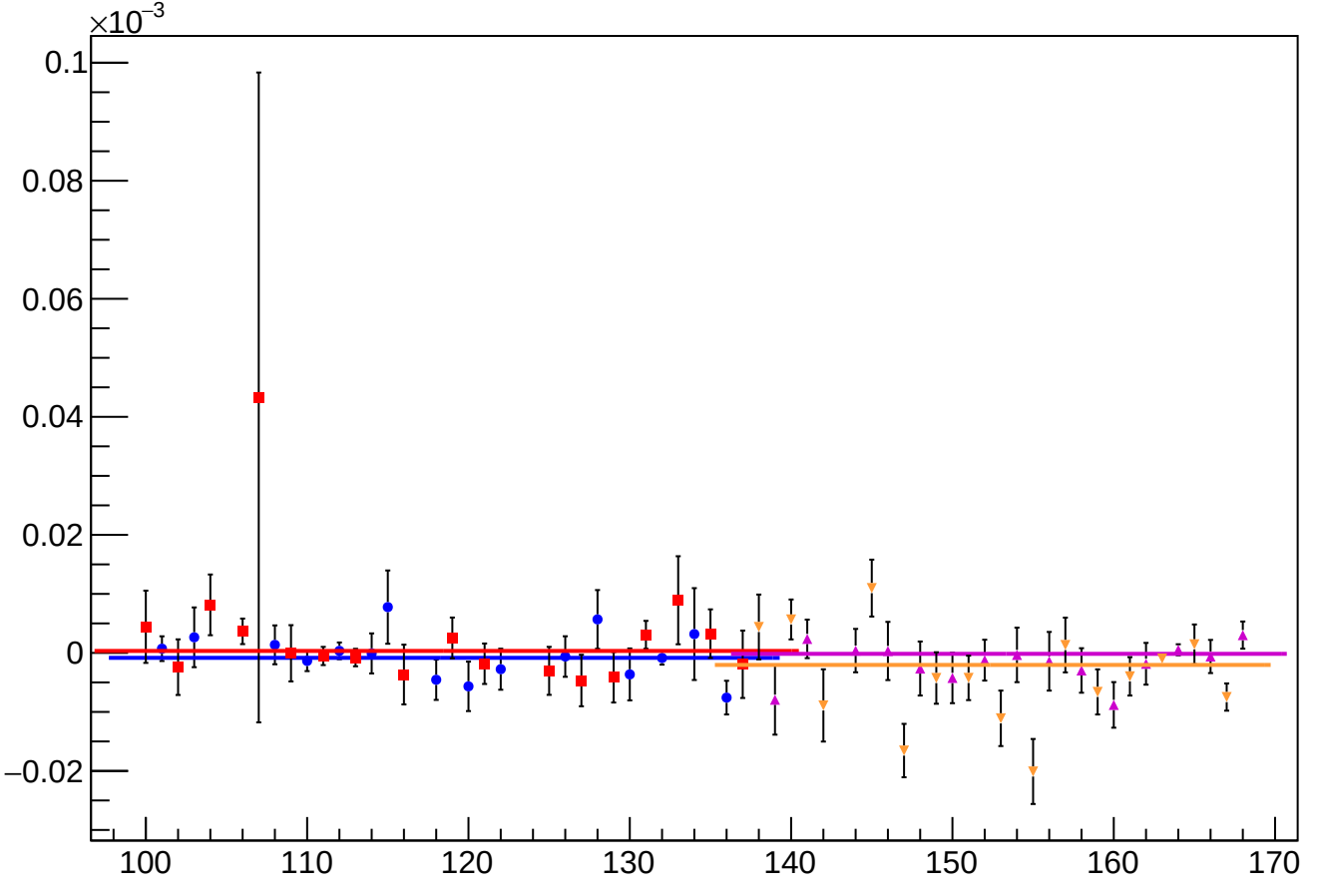
Left In: 67.722+/-0.014 χ^2/NDF:511032.1/14

+ sign 66.838+/-0.011 χ^2/NDF: 1456192.1/30

All: 67.389+/-0.008 χ^2/NDF: 2602213.3/63

- sign 67.934+/-0.011 χ^2/NDF: 1141345.2/32

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:51.4/14

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

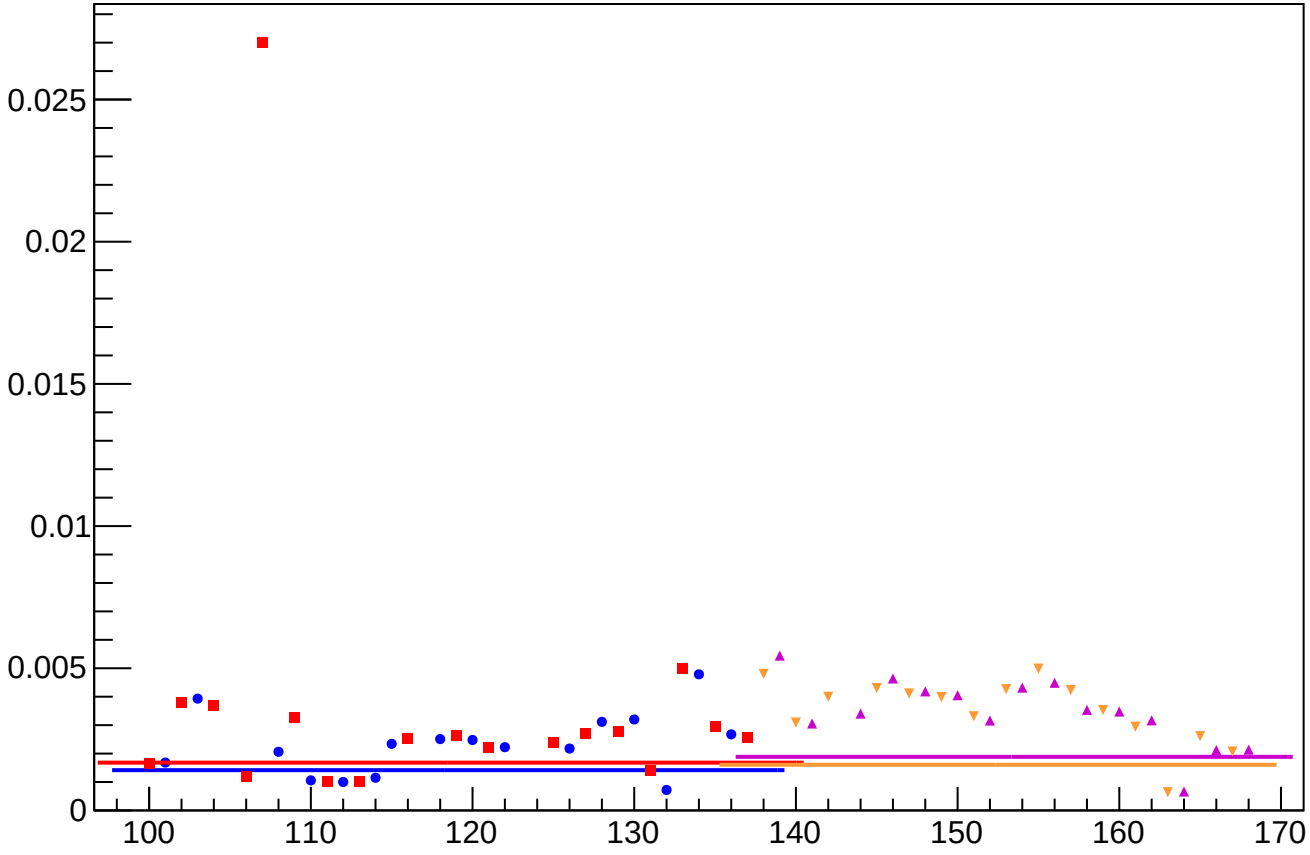
Left In: -0.000+/-0.000 χ^2/NDF:12.0/14

+ sign -0.000+/-0.000 χ^2/NDF: 68.2/30

All: -0.000+/-0.000 χ^2/NDF: 100.4/63

- sign 0.000+/-0.000 χ^2/NDF: 27.0/32

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



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

Left Out: 0.002+/-0.000 χ^2/NDF:9791332.2/14

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

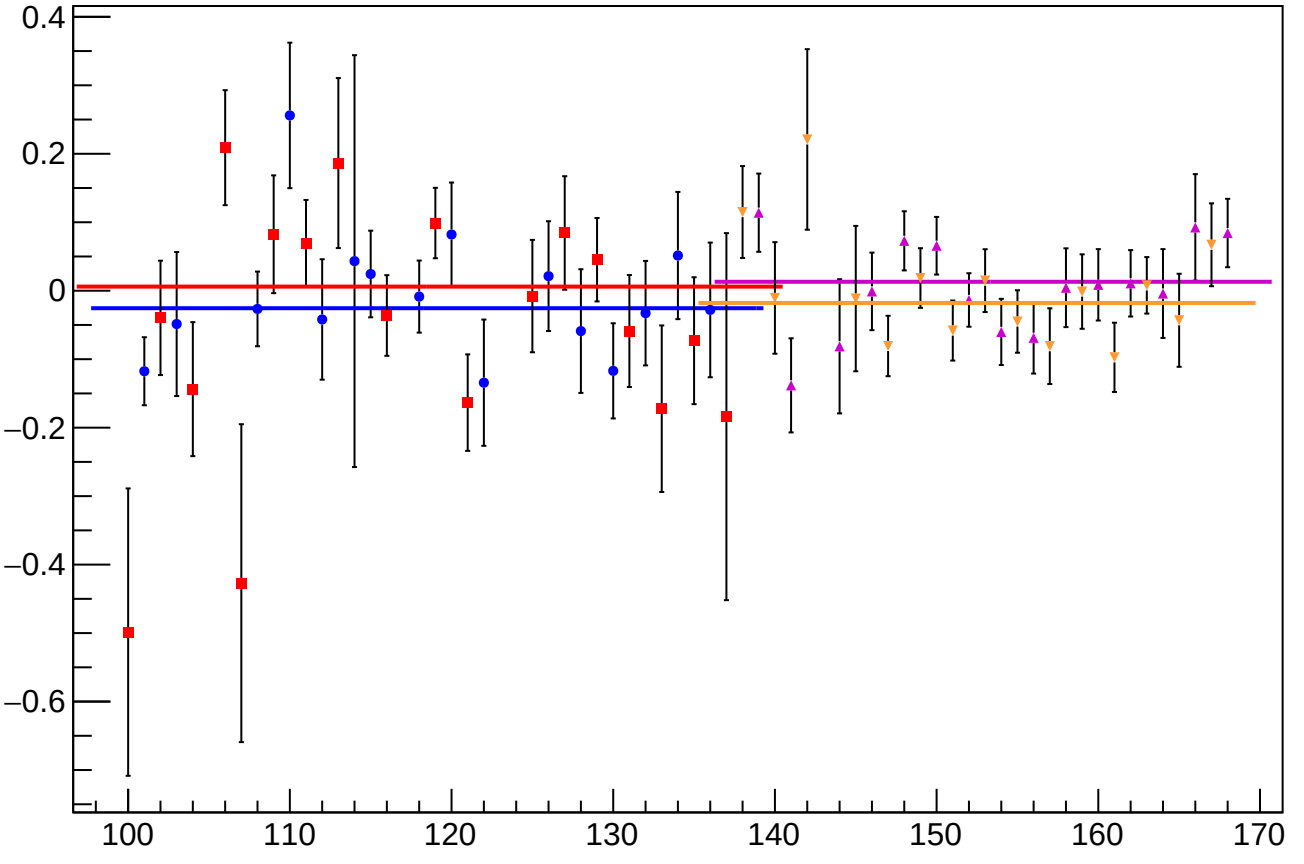
Left In: 0.002+/-0.000 χ^2/NDF:8772084.1/14

+ sign 0.002+/-0.000 χ^2/NDF: 13431867.8/30

All: 0.002+/-0.000 χ^2/NDF: 26075377.4/63

- sign 0.002+/-0.000 χ^2/NDF: 12284514.1/32

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.018+/-0.014 χ^2/NDF:18.0/14

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

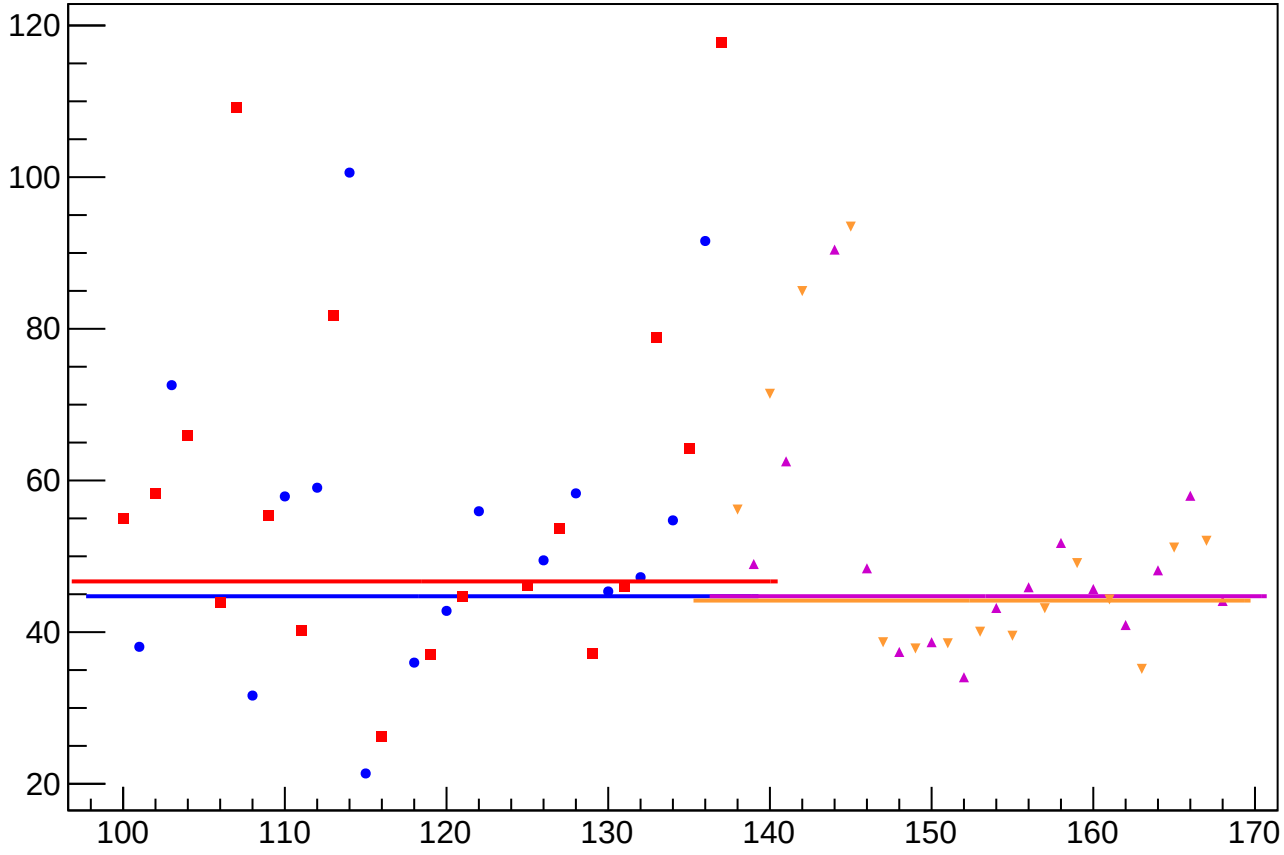
Left In: 0.013+/-0.014 χ^2/NDF:20.8/14

+ sign -0.021+/-0.011 χ^2/NDF: 35.7/30

All: -0.005+/-0.008 χ^2/NDF: 97.1/63

- sign 0.011+/-0.011 χ^2/NDF: 57.4/32

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 44.165+/-0.010 χ^2/NDF:1221455.7/14

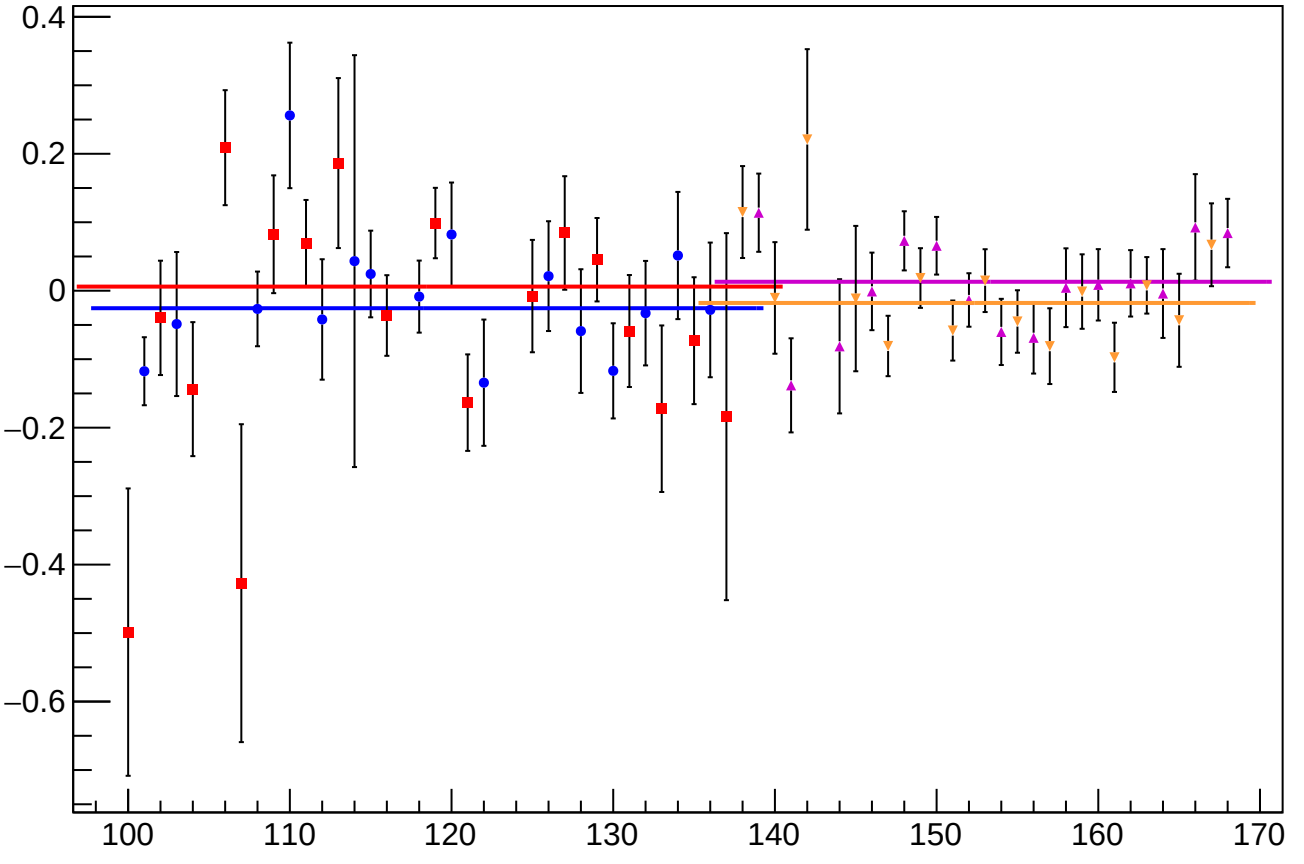
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.738+/-0.010 χ^2/NDF:947374.8/14

+ sign 44.366+/-0.008 χ^2/NDF: 2557237.9/30

All: 44.876+/-0.006 χ^2/NDF: 4721977.6/63

- sign 45.383+/-0.008 χ^2/NDF: 2156437.2/32



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

Left Out: -0.018+/-0.014 χ^2/NDF:18.0/14

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

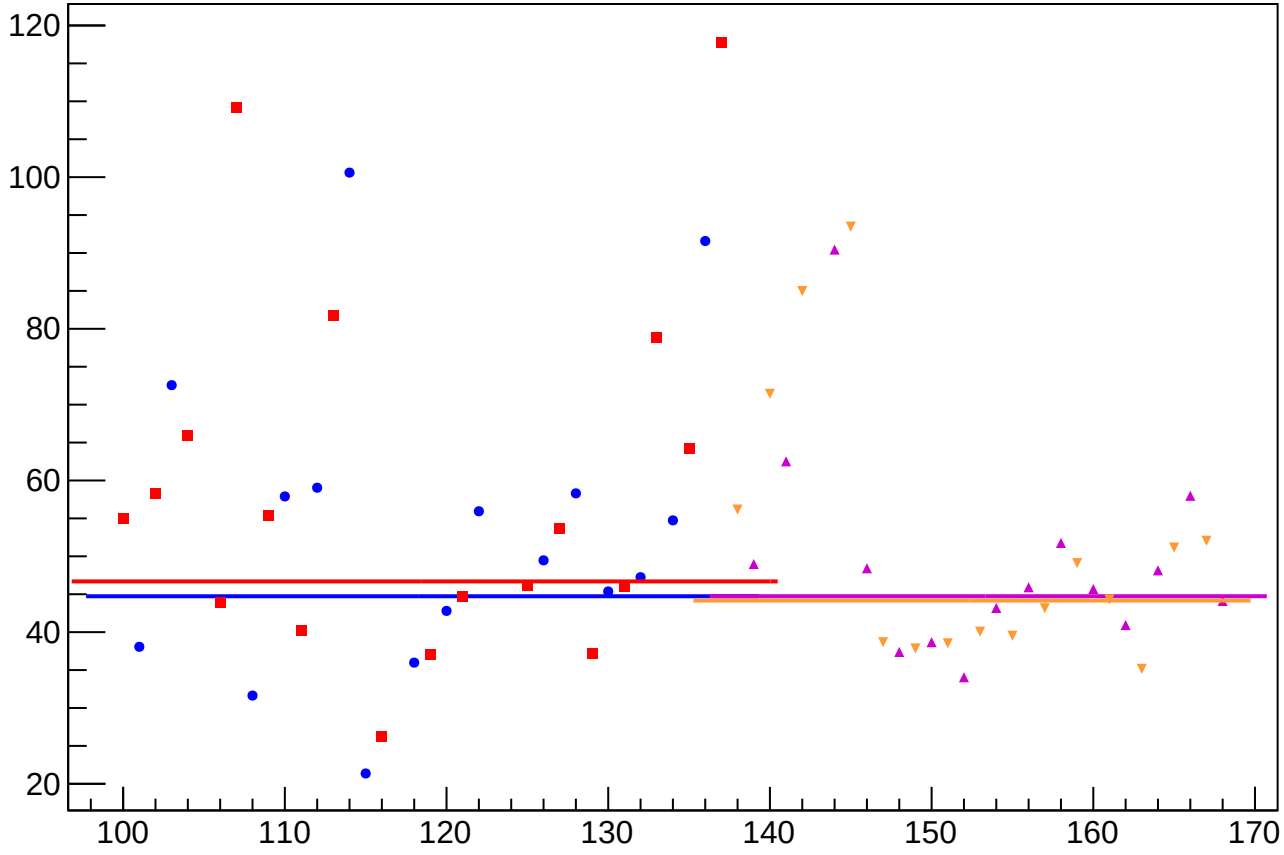
Left In: 0.013+/-0.014 χ^2/NDF:20.8/14

+ sign -0.021+/-0.011 χ^2/NDF: 35.7/30

All: -0.005+/-0.008 χ^2/NDF: 97.1/63

- sign 0.011+/-0.011 χ^2/NDF: 57.4/32

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 44.165+/-0.010 χ^2/NDF:1221455.7/14

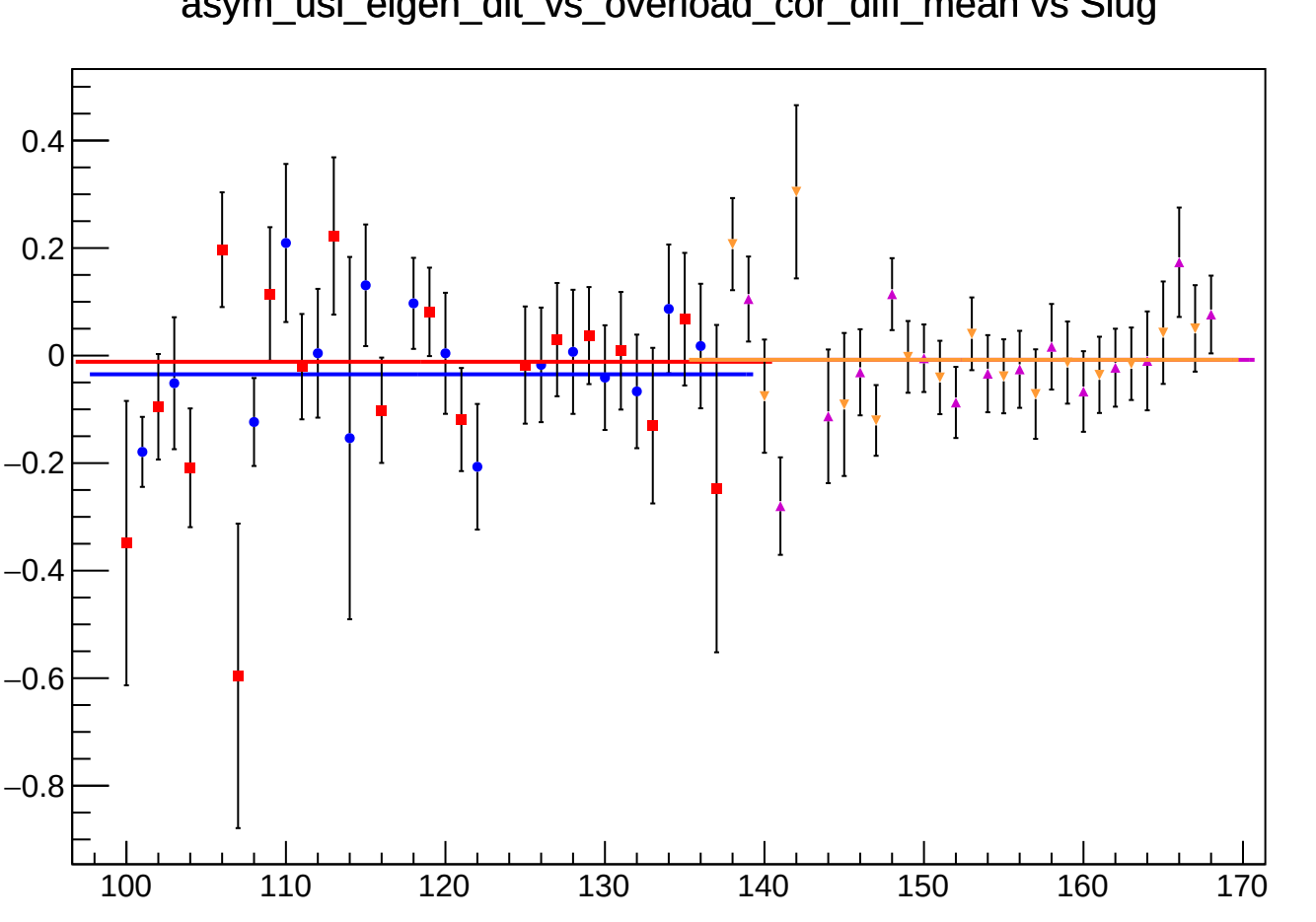
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.738+/-0.010 χ^2/NDF:947374.8/14

+ sign 44.366+/-0.008 χ^2/NDF: 2557237.9/30

All: 44.876+/-0.006 χ^2/NDF: 4721977.6/63

- sign 45.383+/-0.008 χ^2/NDF: 2156437.2/32



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

Left Out: -0.008+/-0.020 χ^2/NDF:16.3/14

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

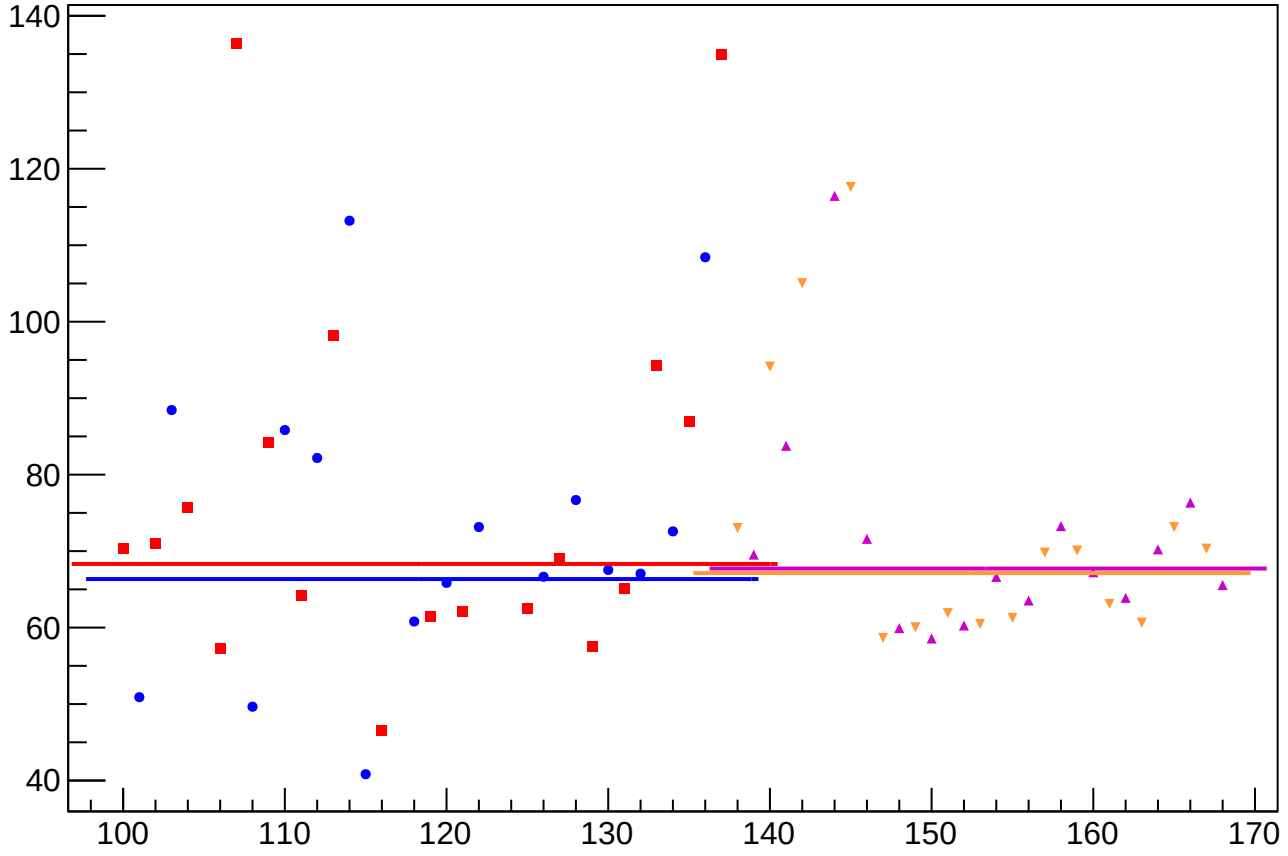
Left In: -0.008+/-0.020 χ^2/NDF:22.1/14

+ sign -0.018+/-0.016 χ^2/NDF: 34.4/30

All: -0.014+/-0.011 χ^2/NDF: 79.5/63

- sign -0.009+/-0.016 χ^2/NDF: 44.9/32

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 67.131+/-0.014 χ^2/NDF:682416.0/14

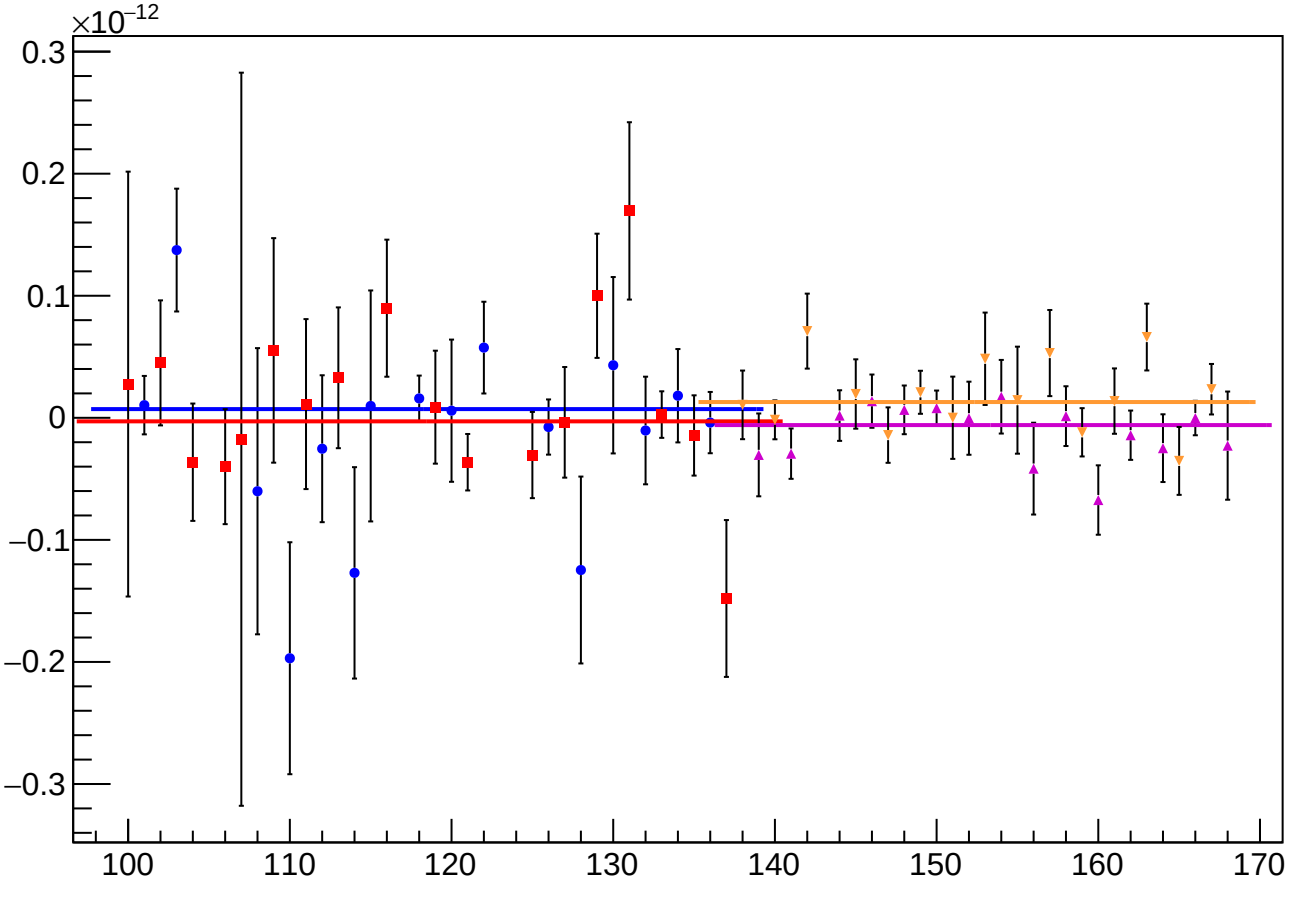
Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

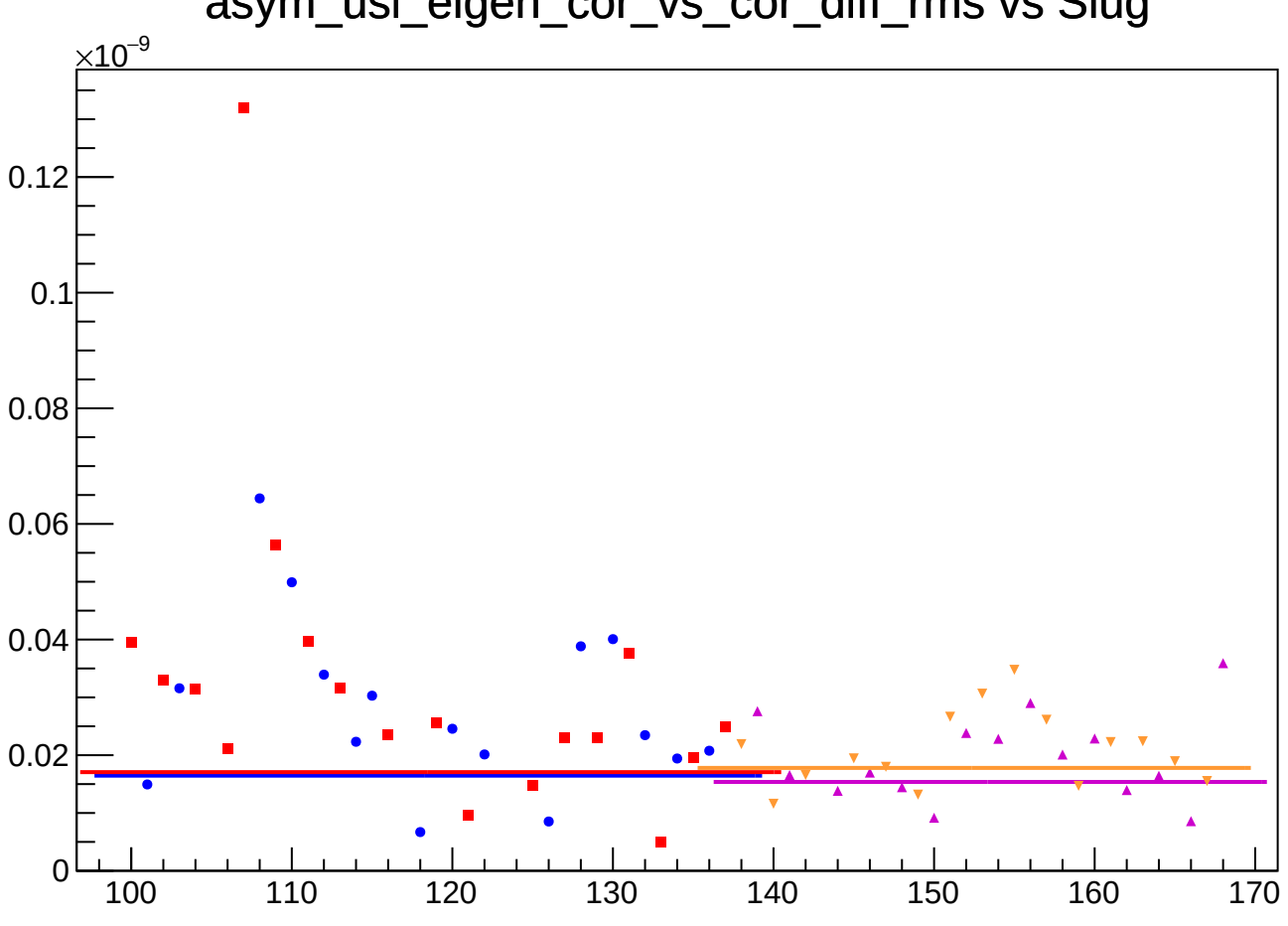
Left In: 67.722+/-0.014 χ^2/NDF:511024.4/14

+ sign 66.838+/-0.011 χ^2/NDF: 1456187.2/30

All: 67.389+/-0.008 χ^2/NDF: 2602194.2/63

- sign 67.934+/-0.011 χ^2/NDF: 1141331.5/32


asym_usl_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.3
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: 20.4/15
Left Out: 0.000+/-0.000 χ²/NDF:17.0/14
Right Out: -0.000+/-0.000 χ²/NDF: 23.4/17
Left In: -0.000+/-0.000 χ²/NDF:11.3/14
+ sign 0.000+/-0.000 χ²/NDF: 37.8/30
All: 0.000+/-0.000 χ²/NDF: 77.5/63
- sign -0.000+/-0.000 χ²/NDF: 34.7/32



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1461511.5/14

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

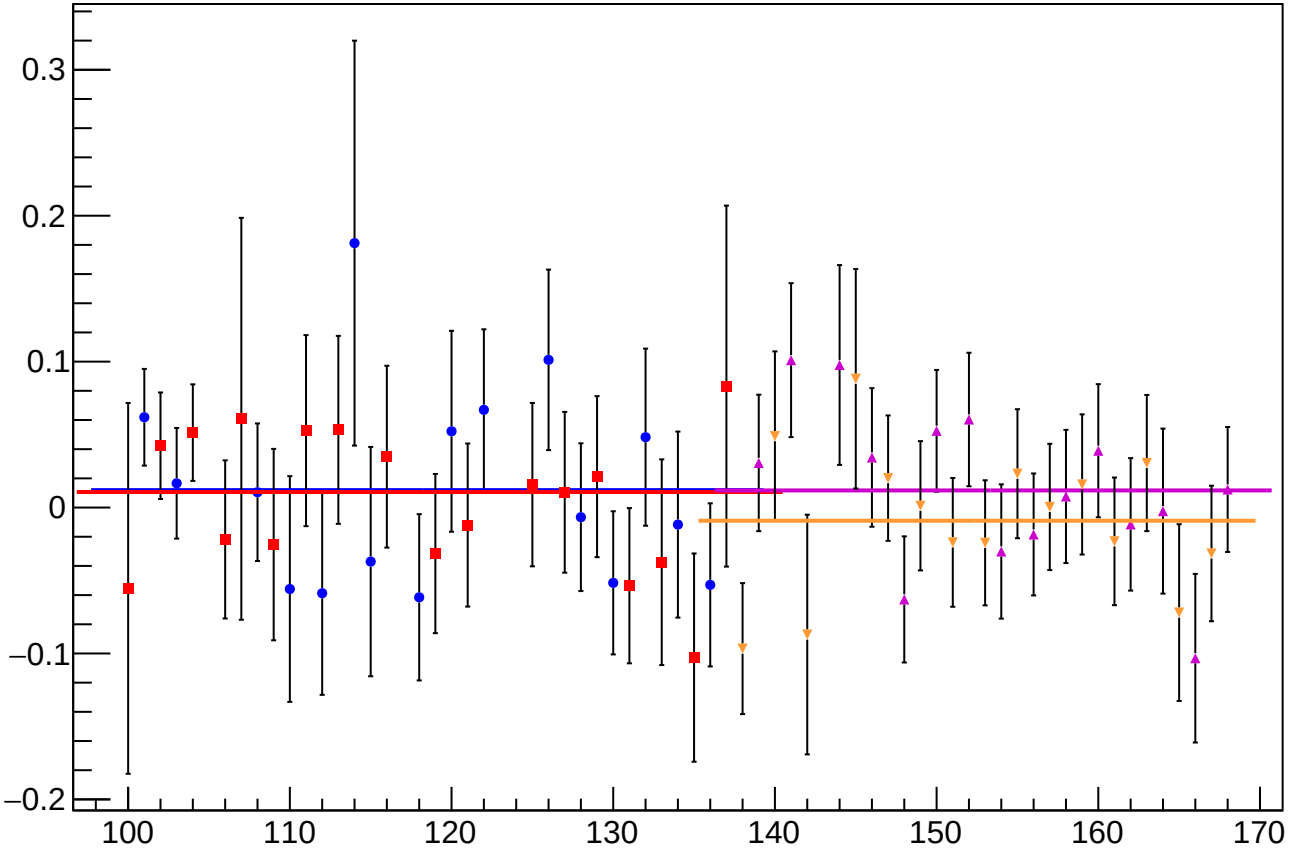
Left In: 0.000+/-0.000 χ^2/NDF:2329250.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 3835849.4/30

All: 0.000+/-0.000 χ^2/NDF: 9093706.1/63

- sign 0.000+/-0.000 χ^2/NDF: 5165064.5/32

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.009+/-0.012 χ^2/NDF:11.1/14

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

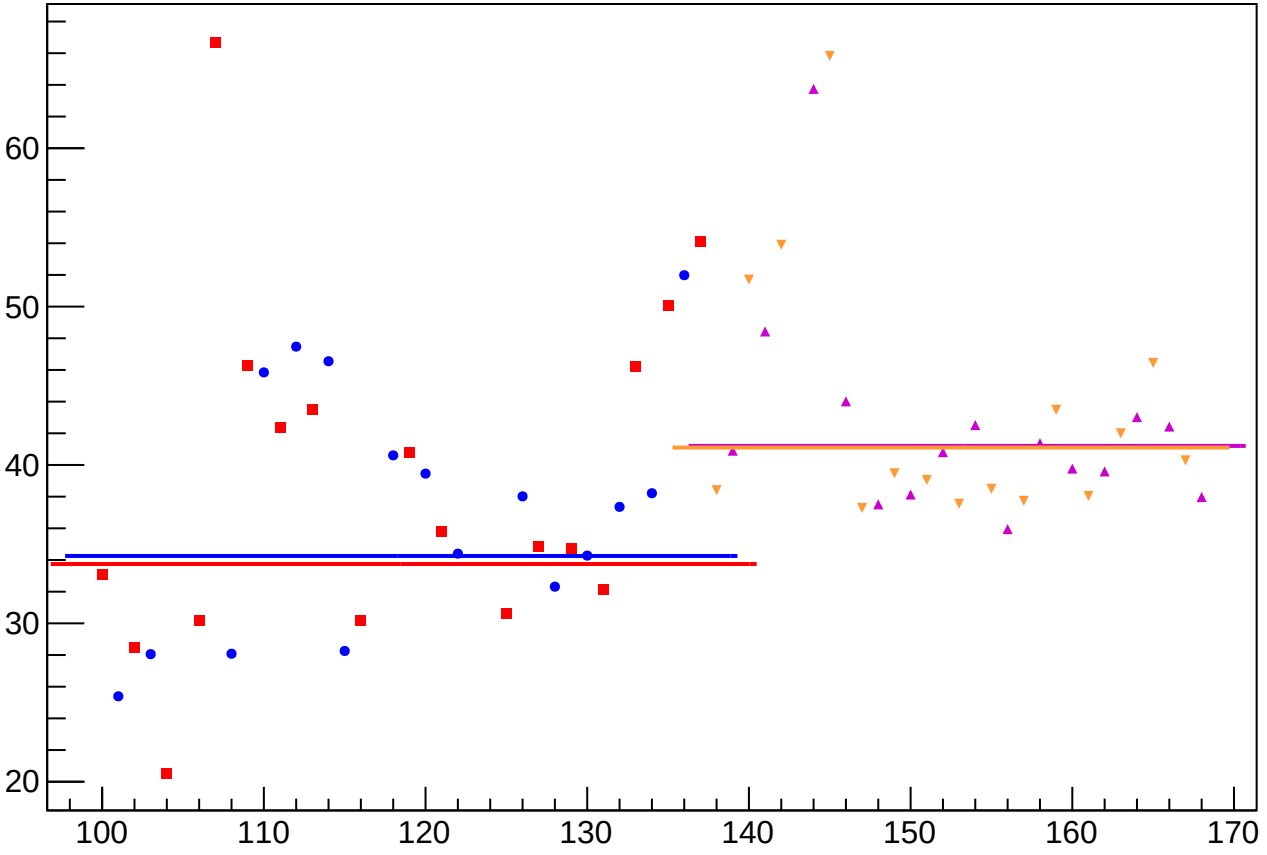
Left In: 0.012+/-0.012 χ^2/NDF:15.9/14

+ sign 0.001+/-0.009 χ^2/NDF: 27.1/30

All: 0.006+/-0.006 χ^2/NDF: 53.6/63

- sign 0.011+/-0.009 χ^2/NDF: 25.8/32

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 41.100+/-0.009 χ^2/NDF:425617.6/14

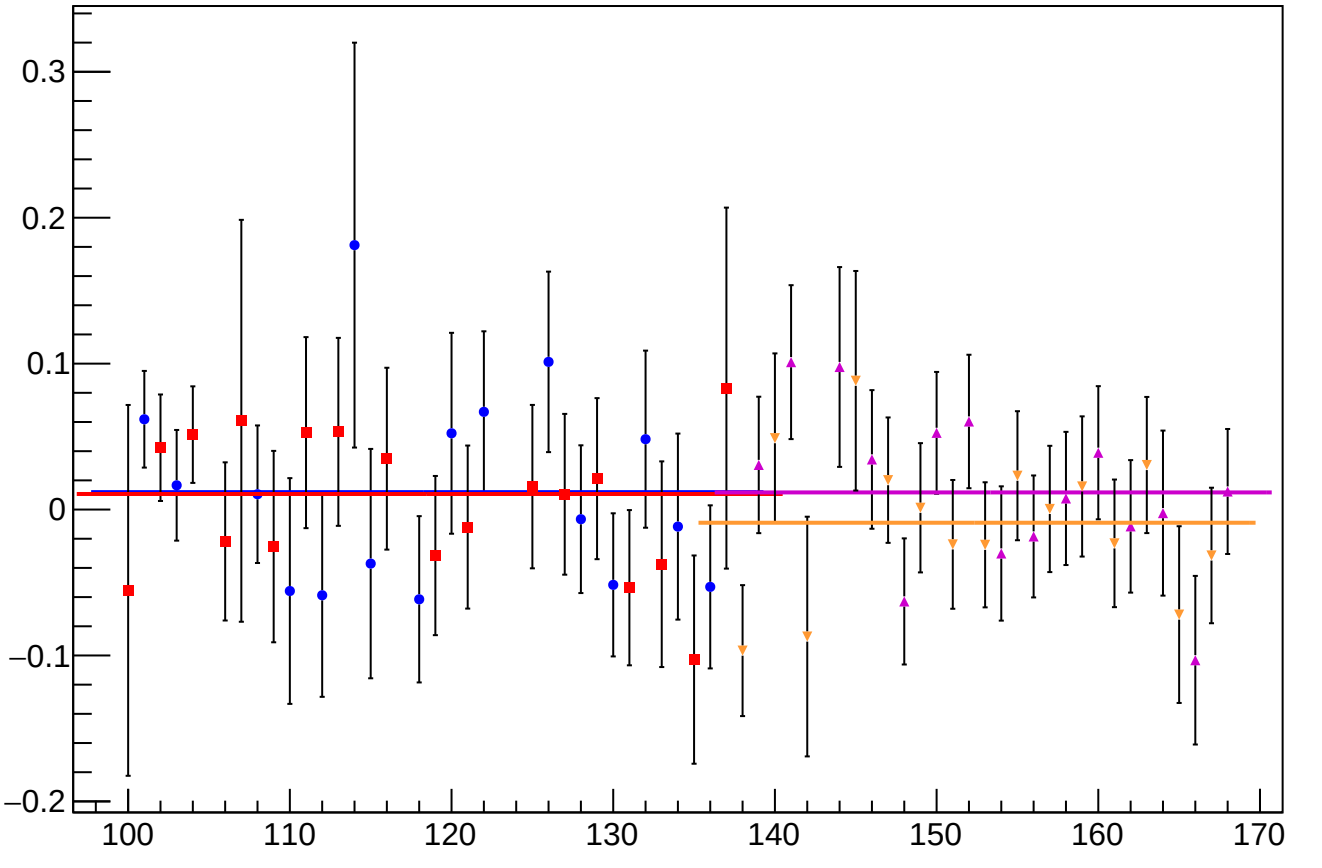
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

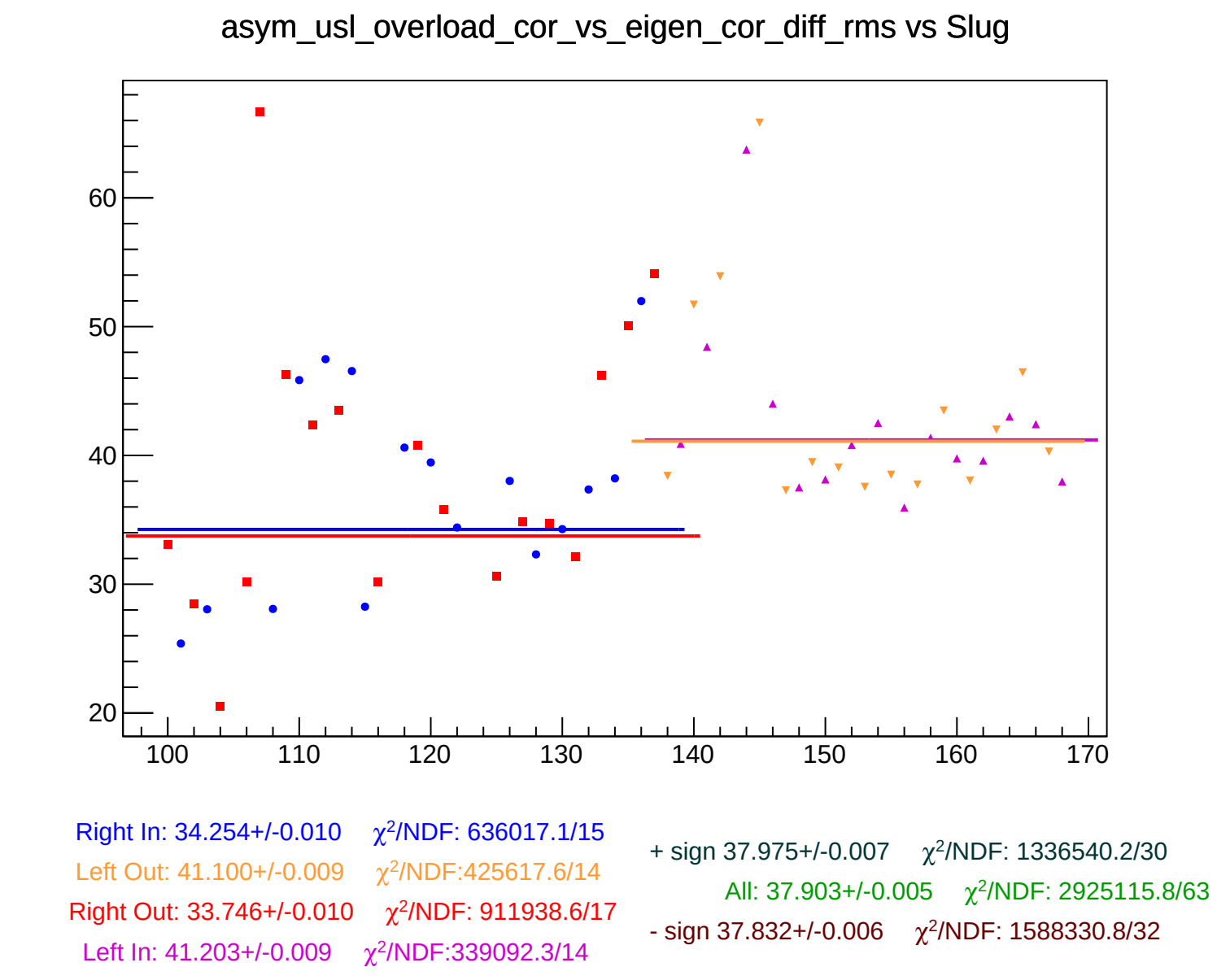
Left In: 41.203+/-0.009 χ^2/NDF:339092.3/14

\+ sign 37.975+/-0.007 χ^2/NDF: 1336540.2/30

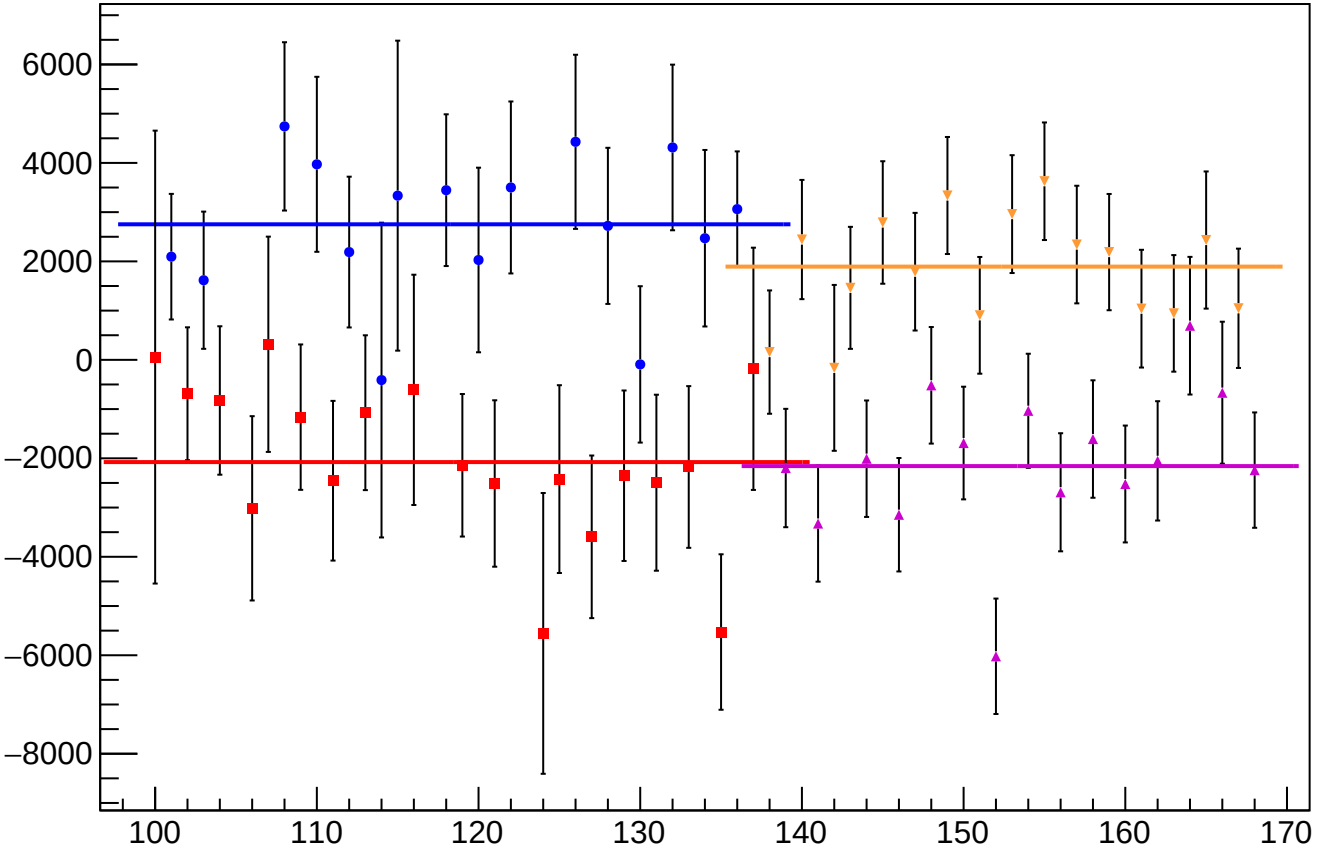
All: 37.903+/-0.005 χ^2/NDF: 2925115.8/63

\- sign 37.832+/-0.006 χ^2/NDF: 1588330.8/32


asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.009+/-0.012 χ²/NDF:11.1/14
Right Out: 0.011+/-0.013 χ²/NDF: 9.9/17
Left In: 0.012+/-0.012 χ²/NDF:15.9/14
+ sign 0.001+/-0.009 χ²/NDF: 27.1/30
All: 0.006+/-0.006 χ²/NDF: 53.6/63
- sign 0.011+/-0.009 χ²/NDF: 25.8/32


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 41.100+/-0.009 χ²/NDF:425617.6/14
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 41.203+/-0.009 χ²/NDF:339092.3/14
+ sign 37.975+/-0.007 χ²/NDF: 1336540.2/30
All: 37.903+/-0.005 χ²/NDF: 2925115.8/63
- sign 37.832+/-0.006 χ²/NDF: 1588330.8/32

reg_asym_usr_mean vs Slug



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

Left Out: 1893.791+/-308.367 χ^2/NDF:11.3/15

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

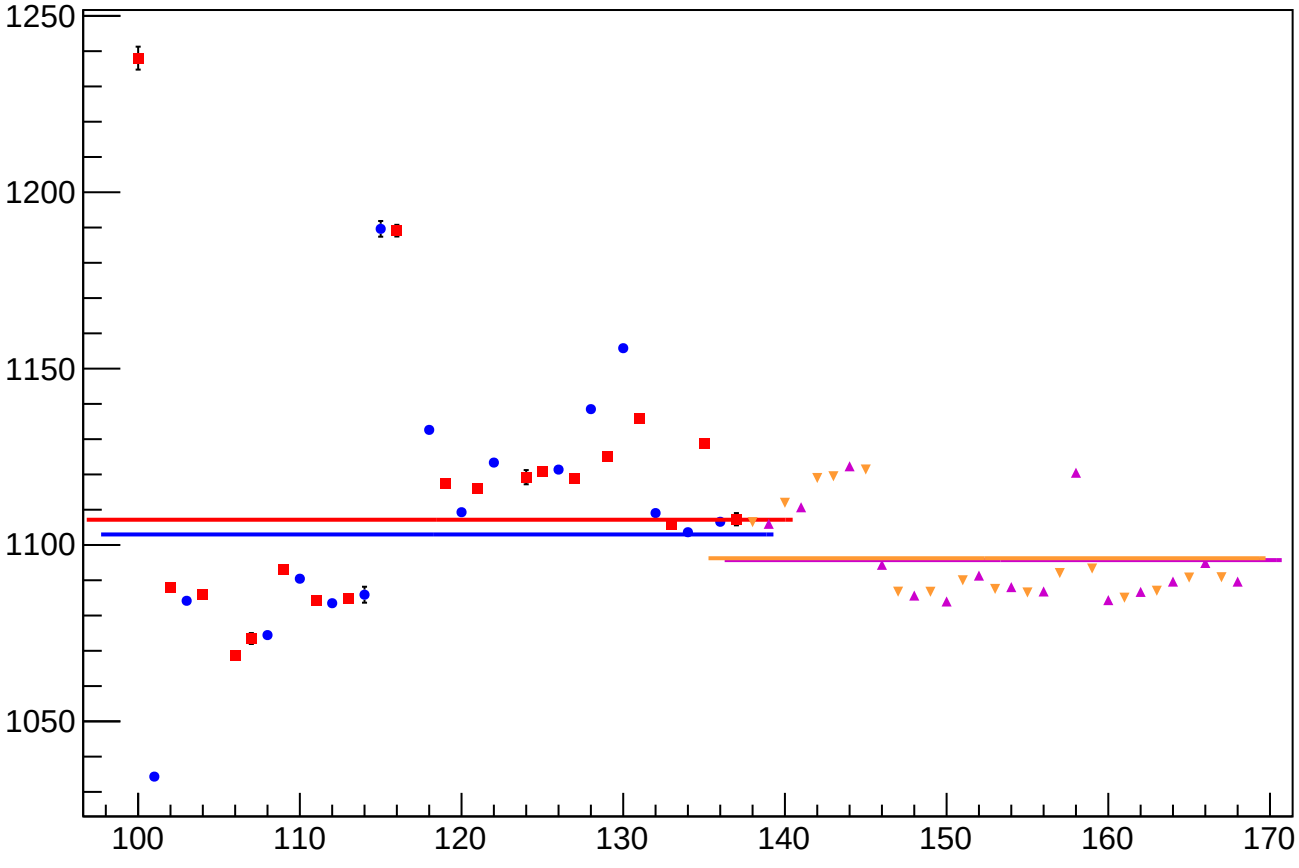
Left In: -2157.874+/-311.018 χ^2/NDF:21.4/14

+ sign 2204.423+/-246.408 χ^2/NDF: 23.6/31

All: 38.367+/-174.234 χ^2/NDF: 212.1/65

- sign -2127.563+/-246.401 χ^2/NDF: 33.9/33

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.243+/-0.218 χ^2/NDF:3307.2/15

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

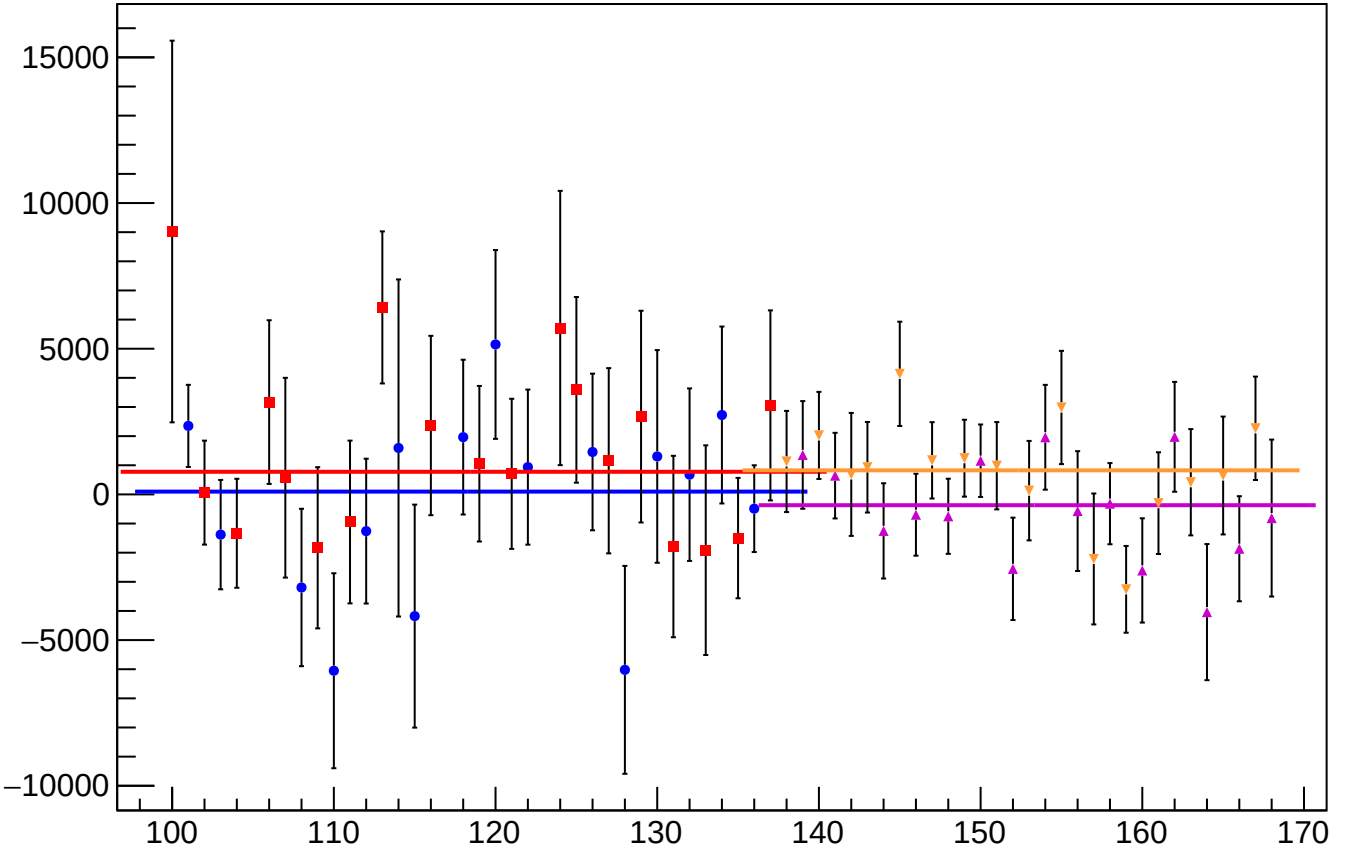
Left In: 1095.712+/-0.220 χ^2/NDF:3311.0/14

+ sign 1098.681+/-0.174 χ^2/NDF: 16876.8/31

All: 1099.328+/-0.123 χ^2/NDF: 29907.5/65

- sign 1099.975+/-0.174 χ^2/NDF: 13003.1/33

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 826.326+/-415.915 χ^2/NDF:16.2/15

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

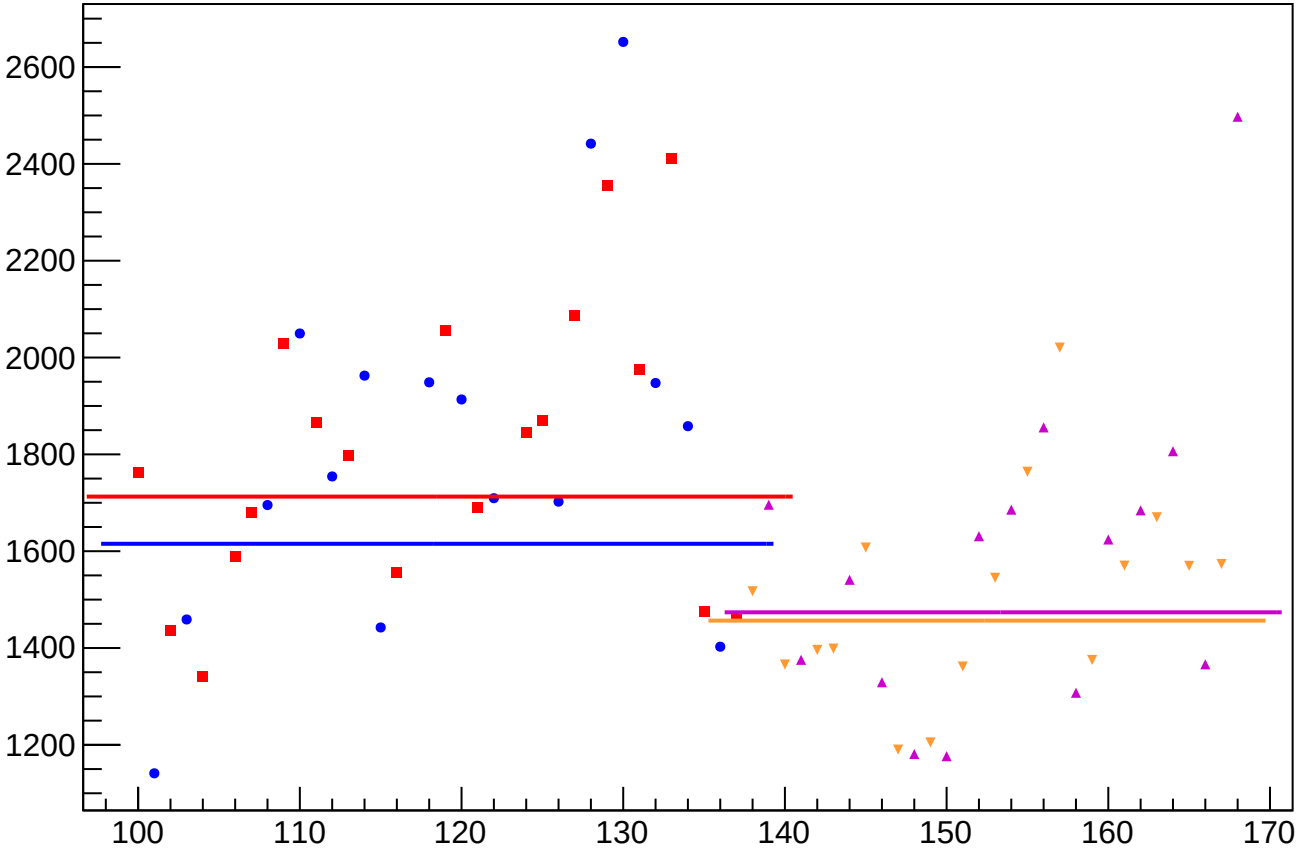
Left In: -370.705+/-426.717 χ^2/NDF:12.8/14

+ sign 598.691+/-345.066 χ^2/NDF: 34.1/31

All: 300.046+/-247.272 χ^2/NDF: 65.7/65

- sign -15.181+/-354.516 χ^2/NDF: 30.1/33

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1456.619+/-0.294 χ^2/NDF:430122.5/15

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

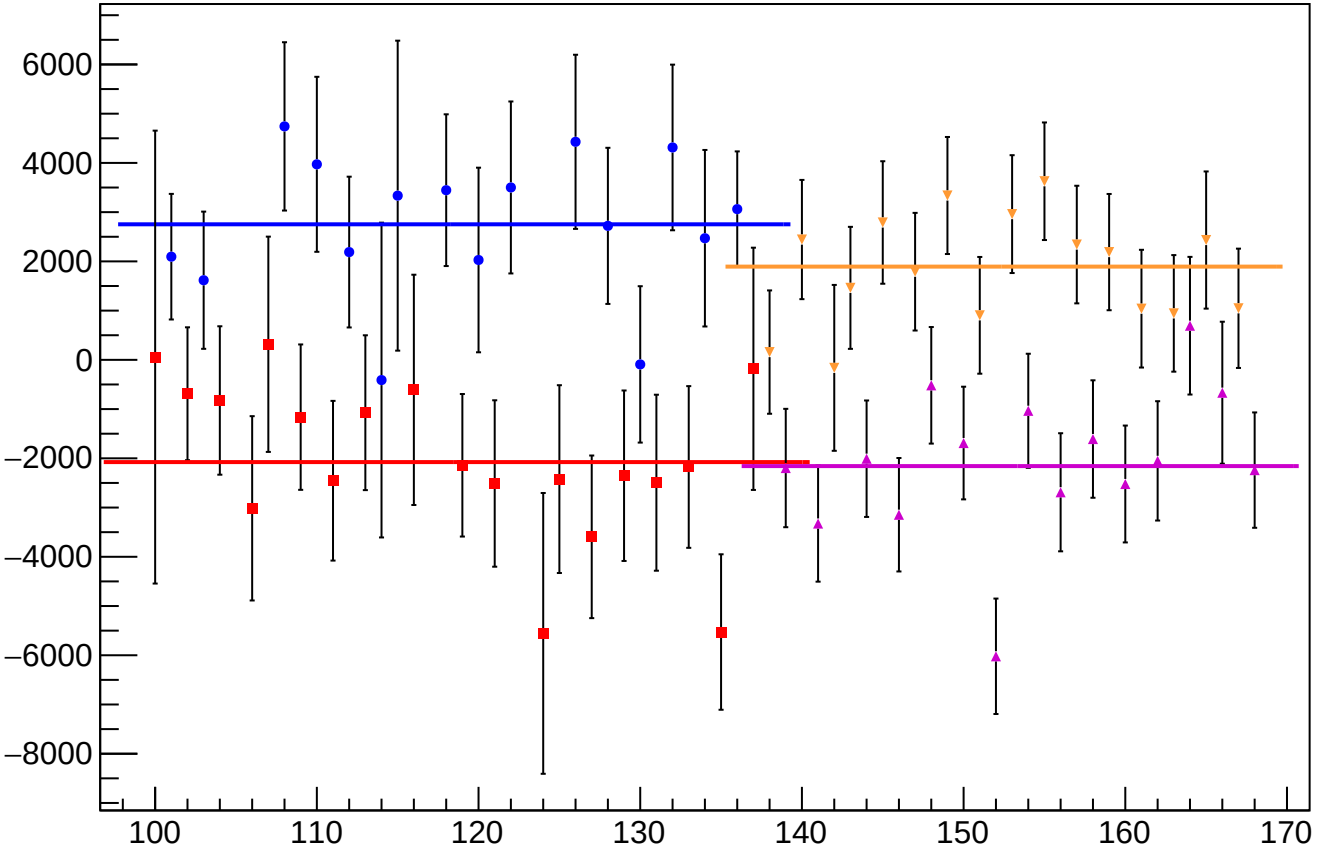
Left In: 1473.769+/-0.302 χ^2/NDF:796649.5/14

+ sign 1506.080+/-0.244 χ^2/NDF: 1214503.6/31

All: 1526.383+/-0.175 χ^2/NDF: 2647848.0/65

- sign 1547.813+/-0.251 χ^2/NDF: 1419112.2/33

cor_asym_usr_mean vs Slug



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

Left Out: 1893.791+/-308.367 χ^2/NDF:11.3/15

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

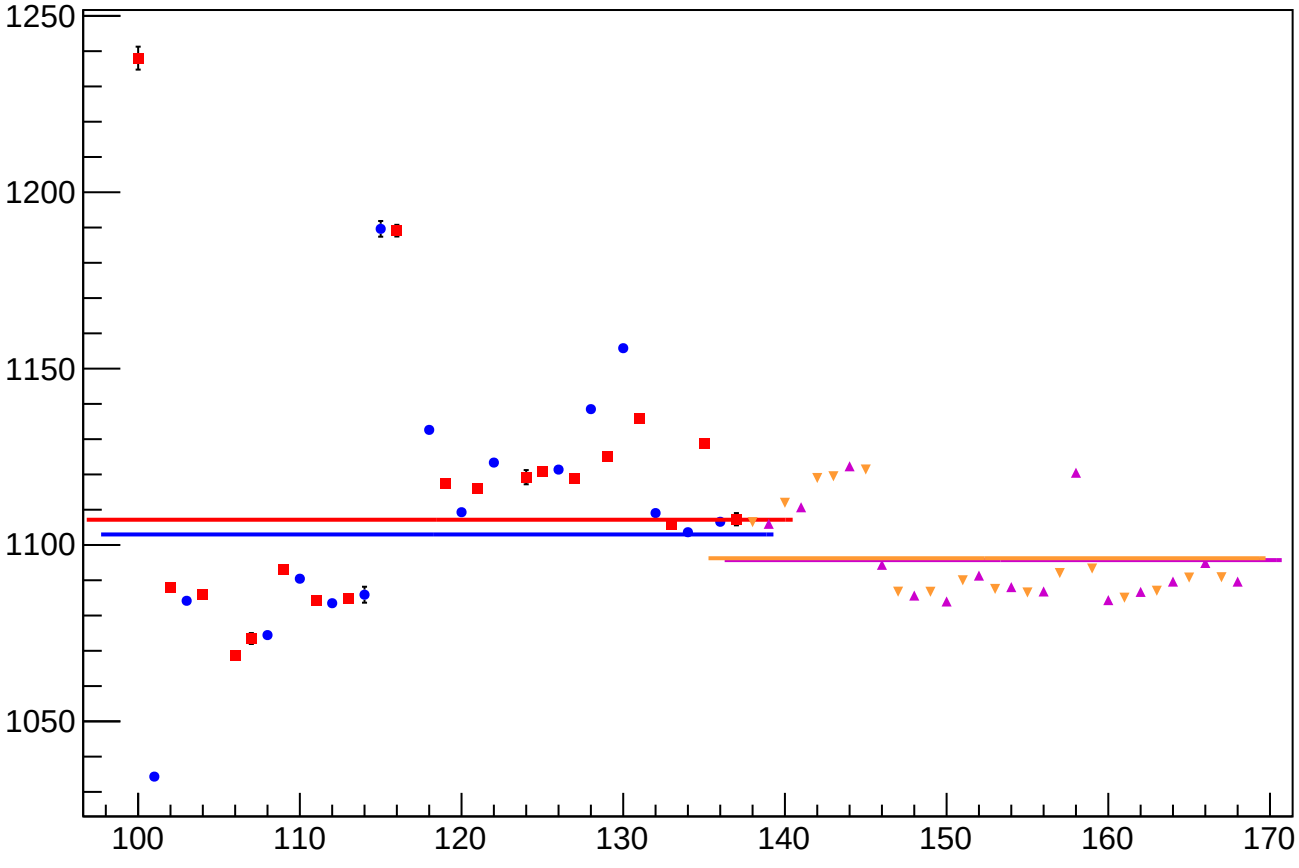
Left In: -2157.874+/-311.018 χ^2/NDF:21.4/14

+ sign 2204.423+/-246.408 χ^2/NDF: 23.6/31

All: 38.367+/-174.234 χ^2/NDF: 212.1/65

- sign -2127.563+/-246.401 χ^2/NDF: 33.9/33

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.243+/-0.218 χ^2/NDF:3307.2/15

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

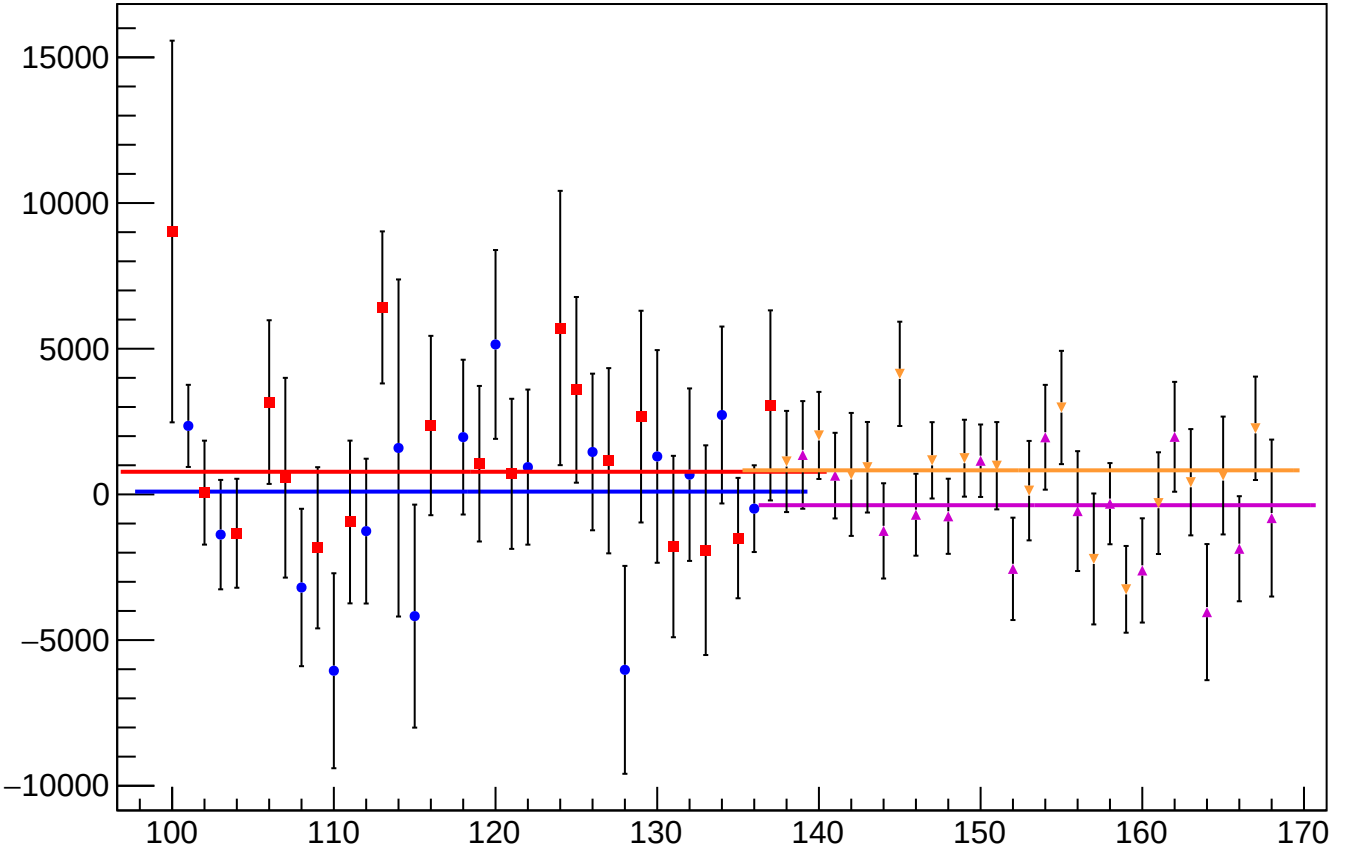
Left In: 1095.712+/-0.220 χ^2/NDF:3311.0/14

+ sign 1098.681+/-0.174 χ^2/NDF: 16876.8/31

All: 1099.328+/-0.123 χ^2/NDF: 29907.5/65

- sign 1099.975+/-0.174 χ^2/NDF: 13003.1/33

asym_usr_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 826.326+/-415.915 χ^2/NDF:16.2/15

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

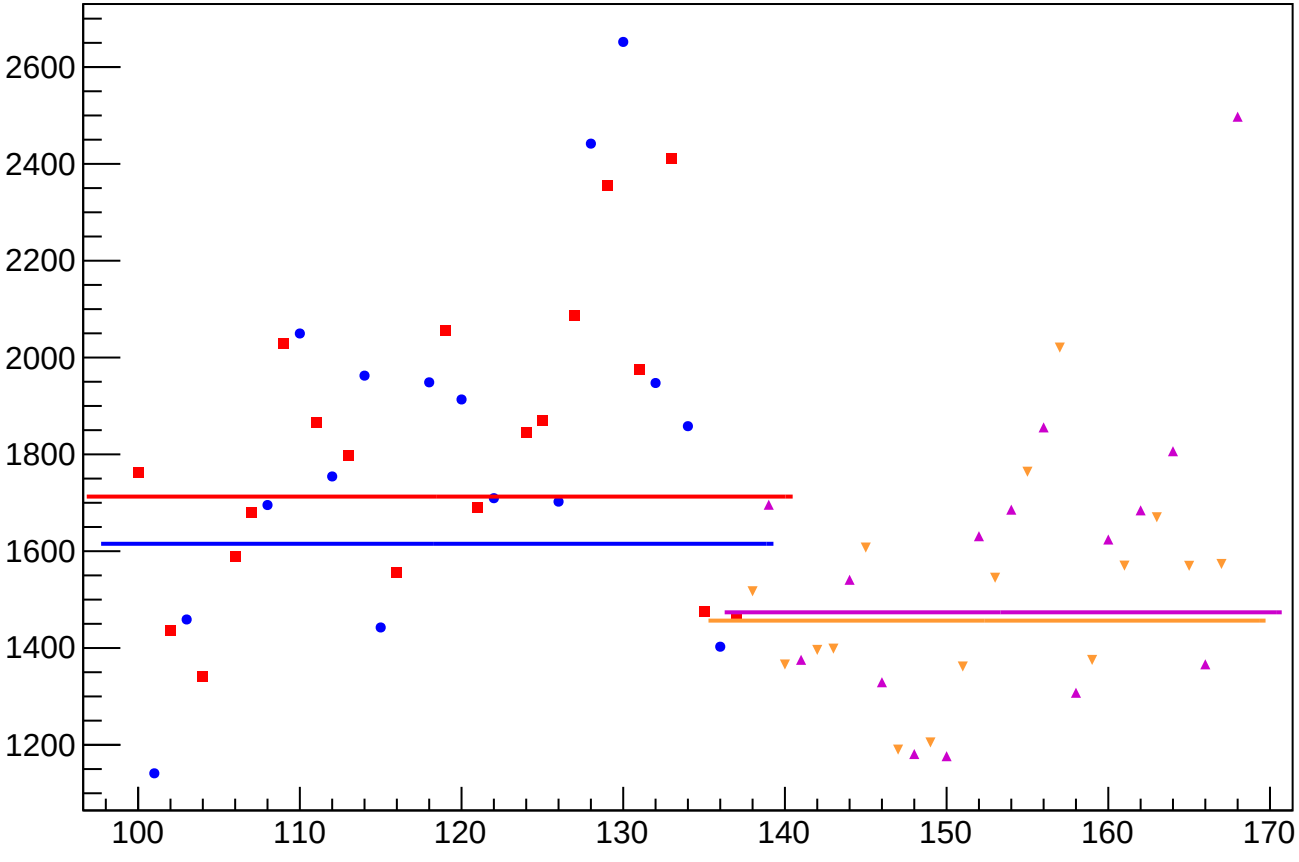
Left In: -370.705+/-426.717 χ^2/NDF:12.8/14

+ sign 598.691+/-345.066 χ^2/NDF: 34.1/31

All: 300.046+/-247.272 χ^2/NDF: 65.7/65

- sign -15.181+/-354.516 χ^2/NDF: 30.1/33

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1456.619+/-0.294 χ^2/NDF:430122.5/15

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

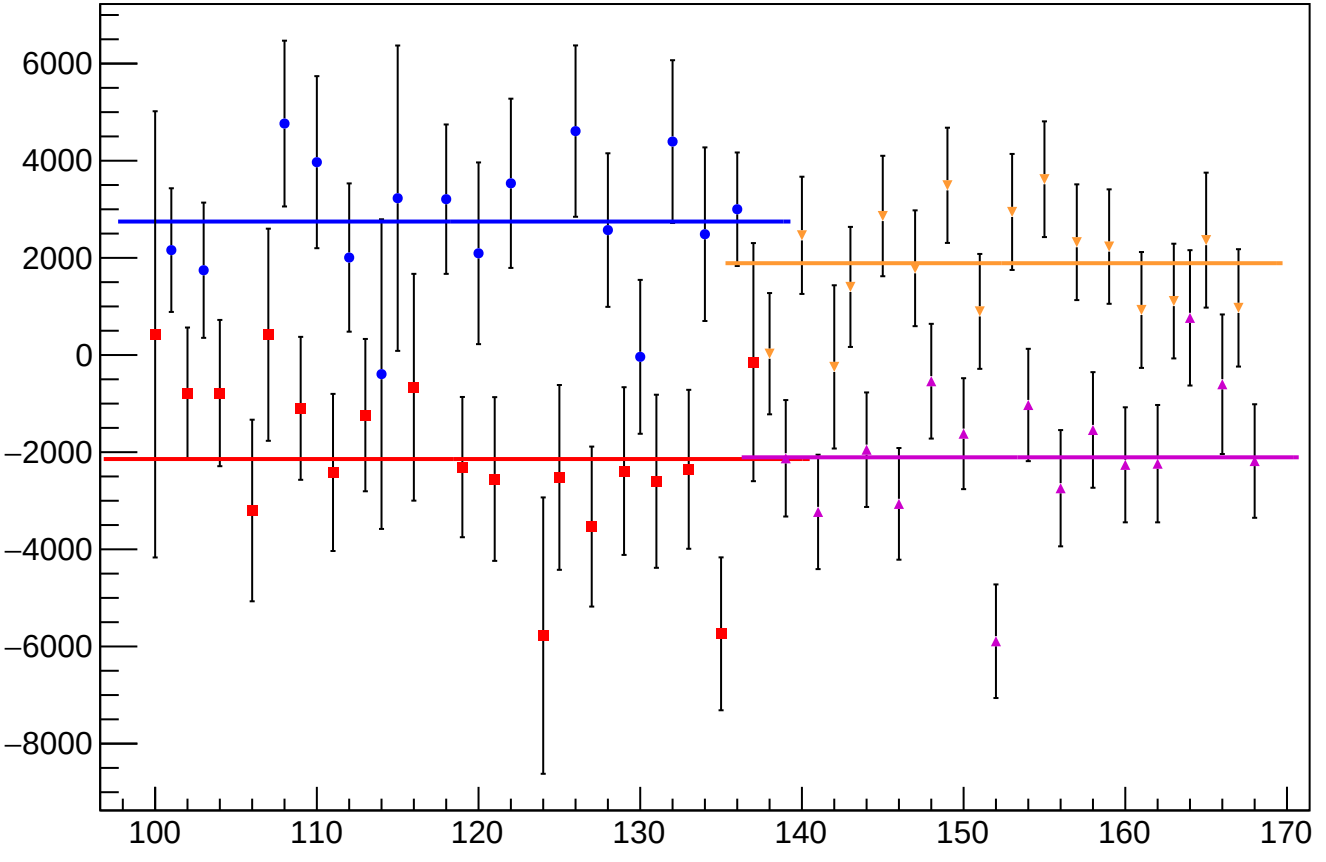
Left In: 1473.769+/-0.302 χ^2/NDF:796649.5/14

+ sign 1506.080+/-0.244 χ^2/NDF: 1214503.6/31

All: 1526.383+/-0.175 χ^2/NDF: 2647848.0/65

- sign 1547.813+/-0.251 χ^2/NDF: 1419112.2/33

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1890.454+/-307.559 χ^2/NDF:12.3/15

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

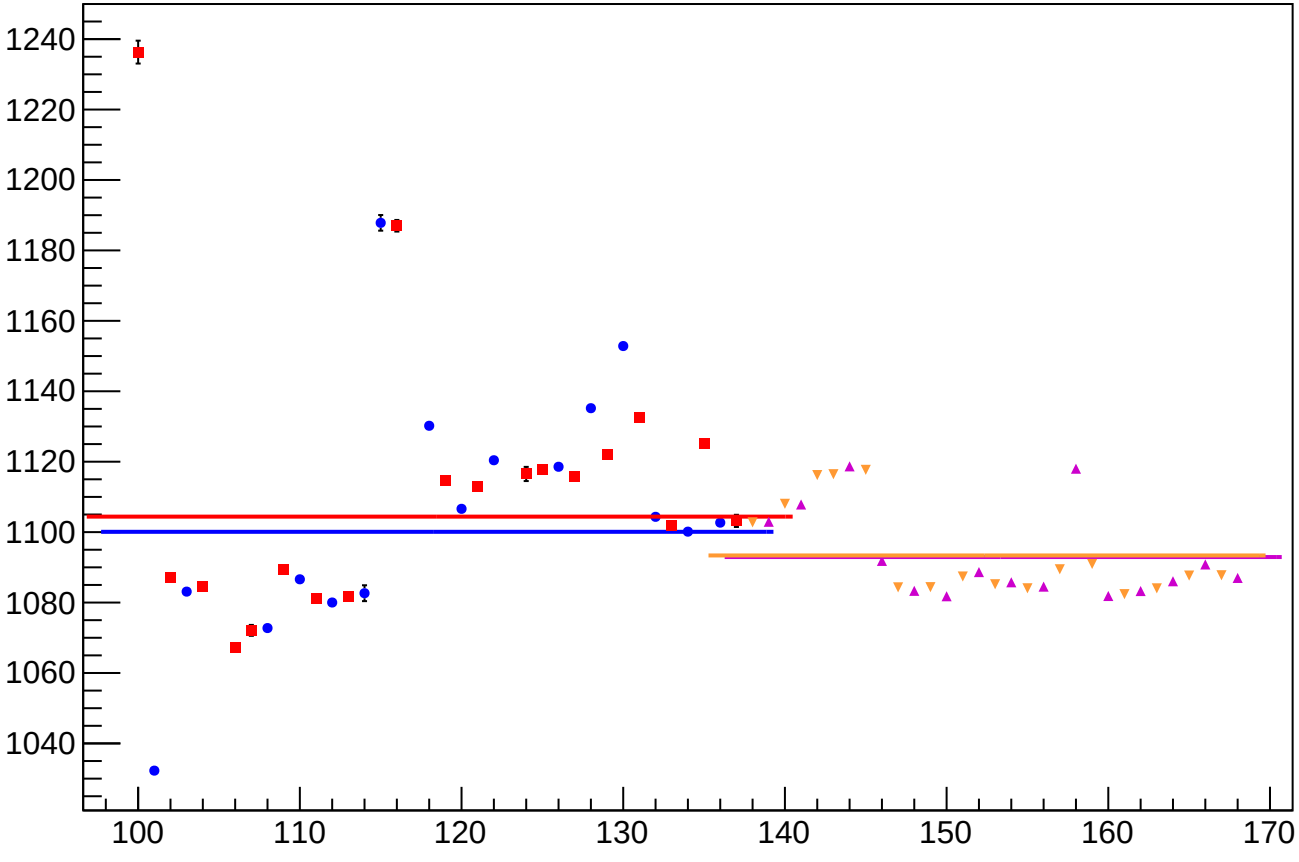
Left In: -2105.551+/-310.227 χ^2/NDF:20.8/14

+ sign 2200.423+/-245.761 χ^2/NDF: 24.6/31

All: 40.953+/-173.786 χ^2/NDF: 213.4/65

- sign -2118.813+/-245.778 χ^2/NDF: 34.4/33

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1093.377+/-0.217 χ^2/NDF:3144.0/15

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

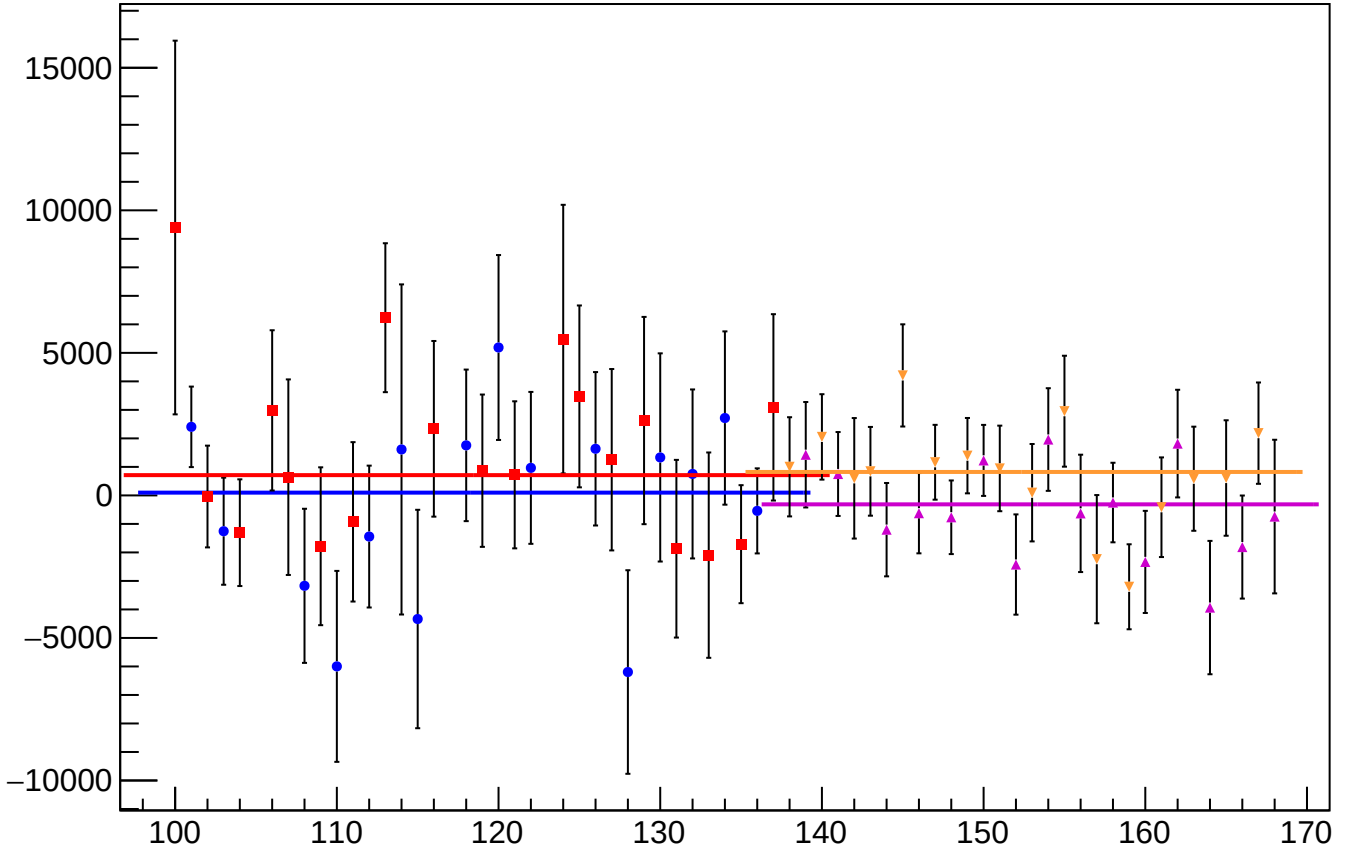
Left In: 1092.925+/-0.219 χ^2/NDF:3236.7/14

+ sign 1095.803+/-0.174 χ^2/NDF: 16565.7/31

All: 1096.501+/-0.123 χ^2/NDF: 29397.5/65

- sign 1097.199+/-0.174 χ^2/NDF: 12799.6/33

asym_usr_overload_cor_correction_mean vs Slug



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 822.614+/-416.560 χ^2/NDF:16.2/15

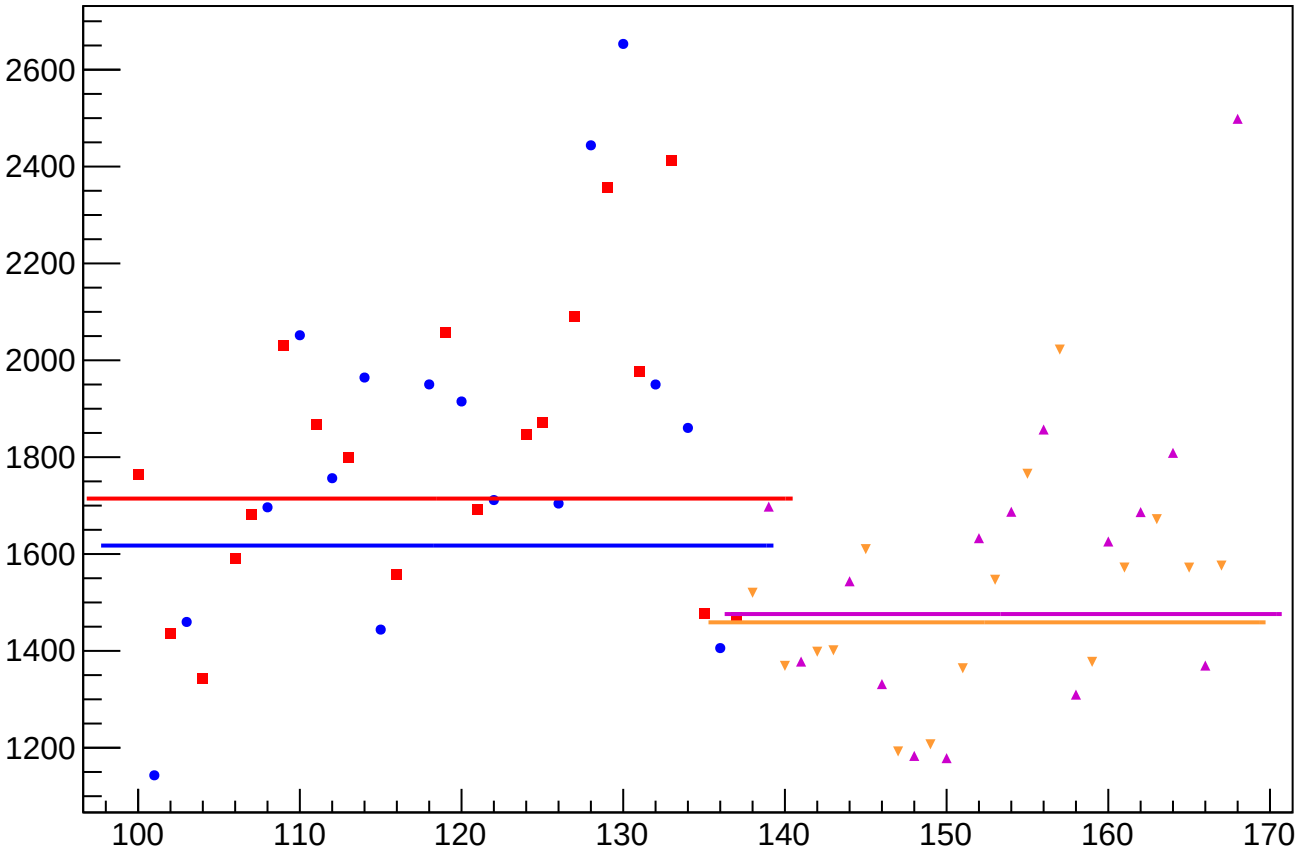
Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: -313.540+/-427.351 χ^2/NDF:12.1/14

+ sign 596.509+/-345.571 χ^2/NDF: 34.4/31

All: 308.288+/-247.617 χ^2/NDF: 64.6/65

- sign 4.145+/-354.987 χ^2/NDF: 28.8/33



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1458.968+/-0.295 χ^2/NDF:428338.5/15

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

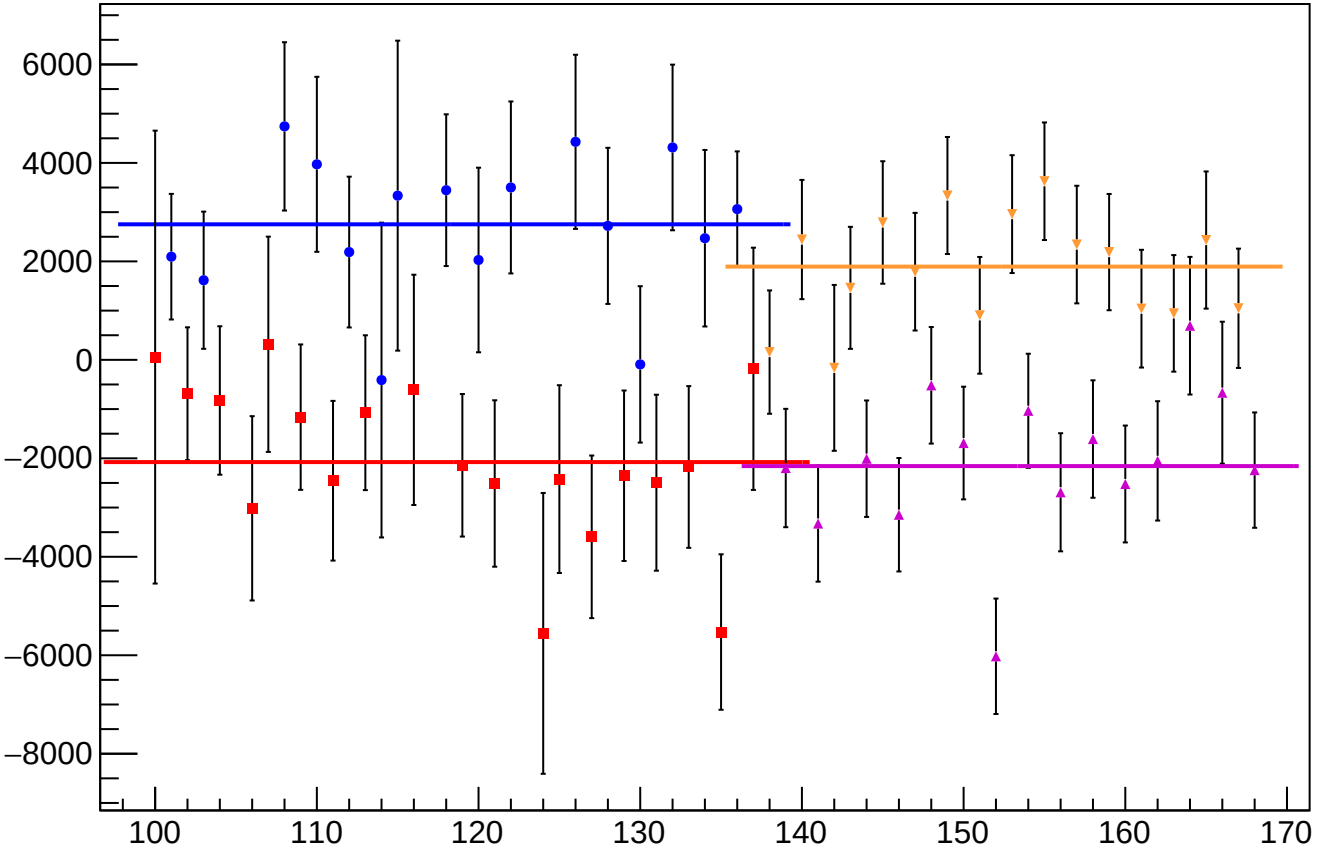
Left In: 1476.070+/-0.302 χ^2/NDF:793813.3/14

+ sign 1508.395+/-0.244 χ^2/NDF: 1210371.3/31

All: 1528.630+/-0.175 χ^2/NDF: 2638988.8/65

- sign 1549.983+/-0.251 χ^2/NDF: 1414523.6/33

eigen_cor_asym_usr_mean vs Slug



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

Left Out: 1893.791+/-308.367 χ^2/NDF:11.3/15

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

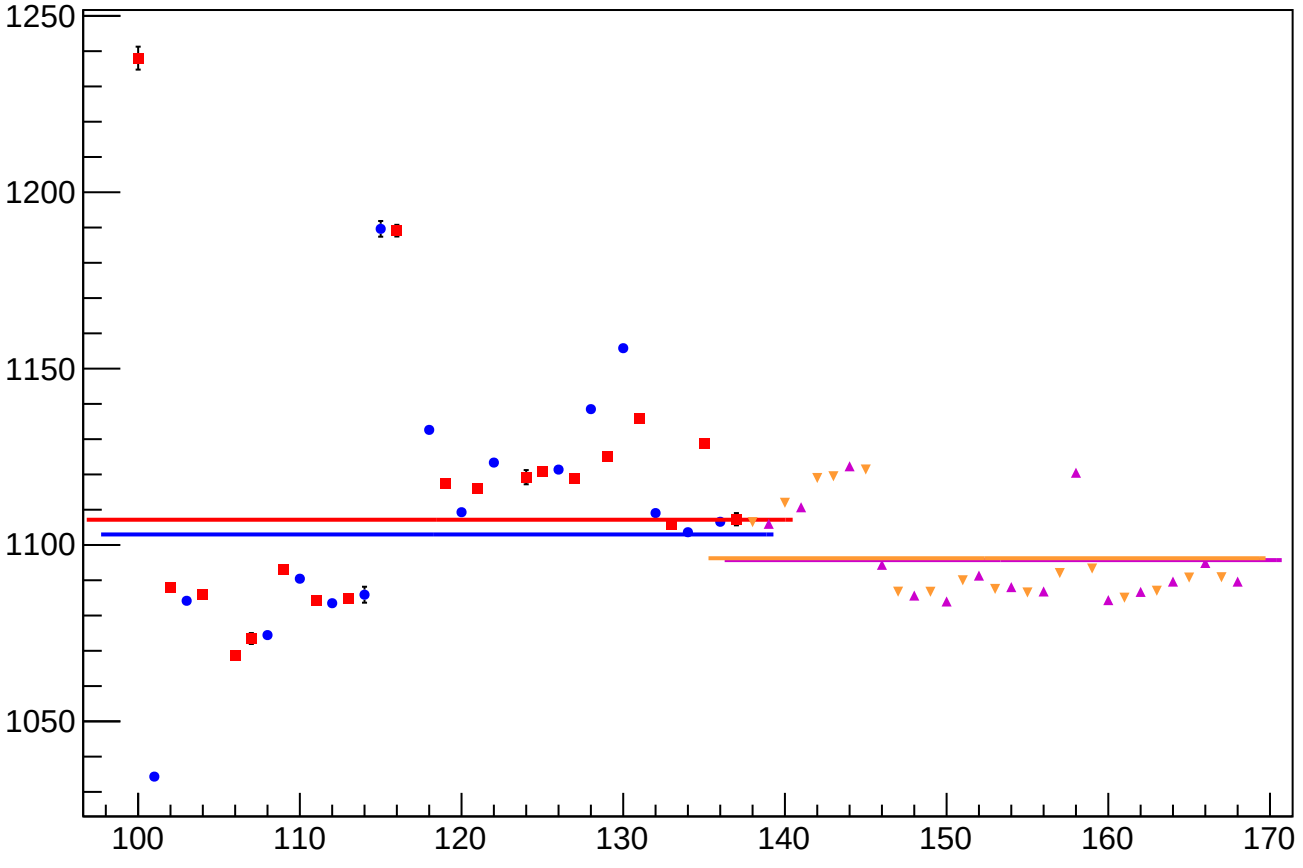
Left In: -2157.874+/-311.018 χ^2/NDF:21.4/14

+ sign 2204.423+/-246.408 χ^2/NDF: 23.6/31

All: 38.367+/-174.234 χ^2/NDF: 212.1/65

- sign -2127.563+/-246.401 χ^2/NDF: 33.9/33

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.243+/-0.218 χ^2/NDF:3307.2/15

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

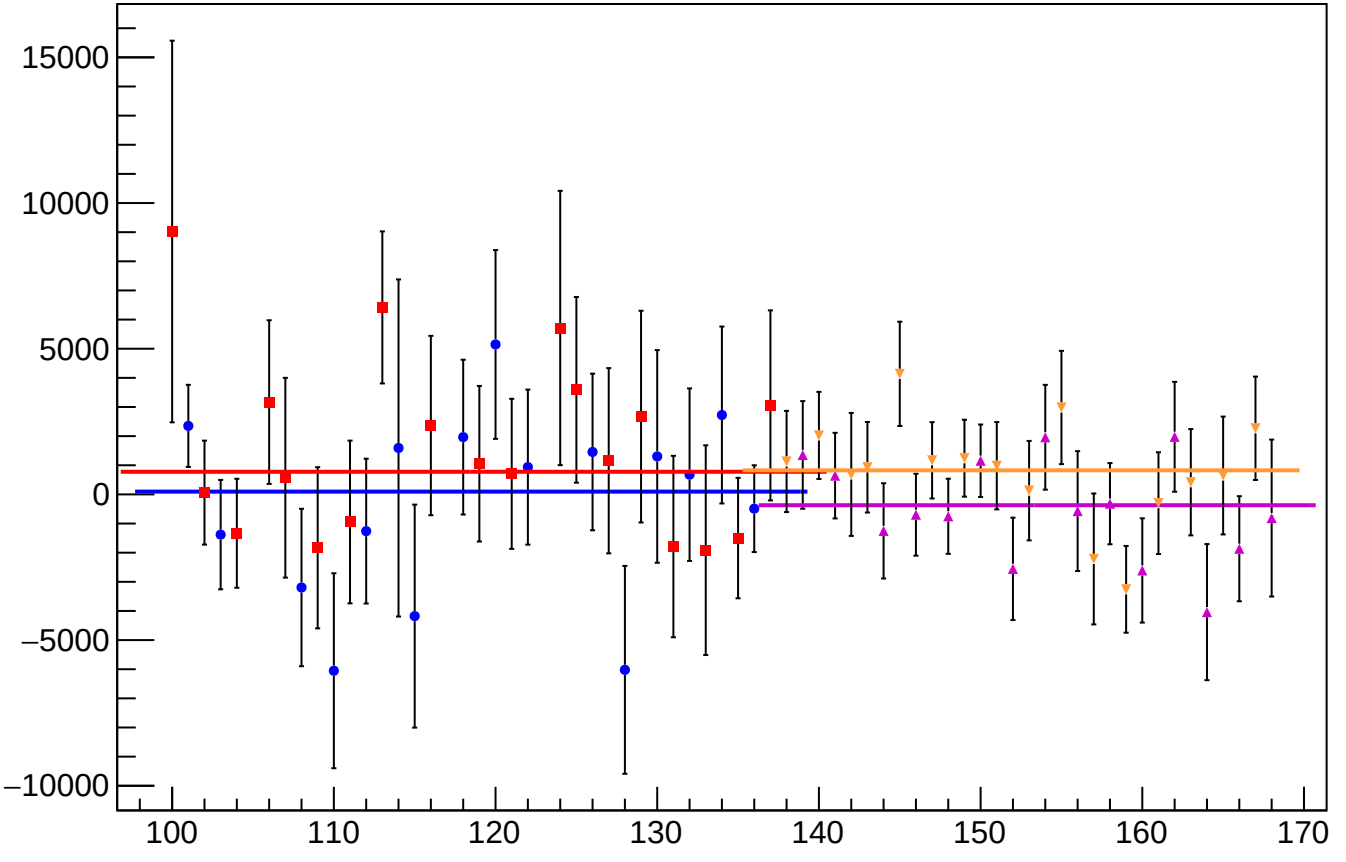
Left In: 1095.712+/-0.220 χ^2/NDF:3311.0/14

+ sign 1098.681+/-0.174 χ^2/NDF: 16876.8/31

All: 1099.328+/-0.123 χ^2/NDF: 29907.5/65

- sign 1099.975+/-0.174 χ^2/NDF: 13003.1/33

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 826.326+/-415.915 χ^2/NDF:16.2/15

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

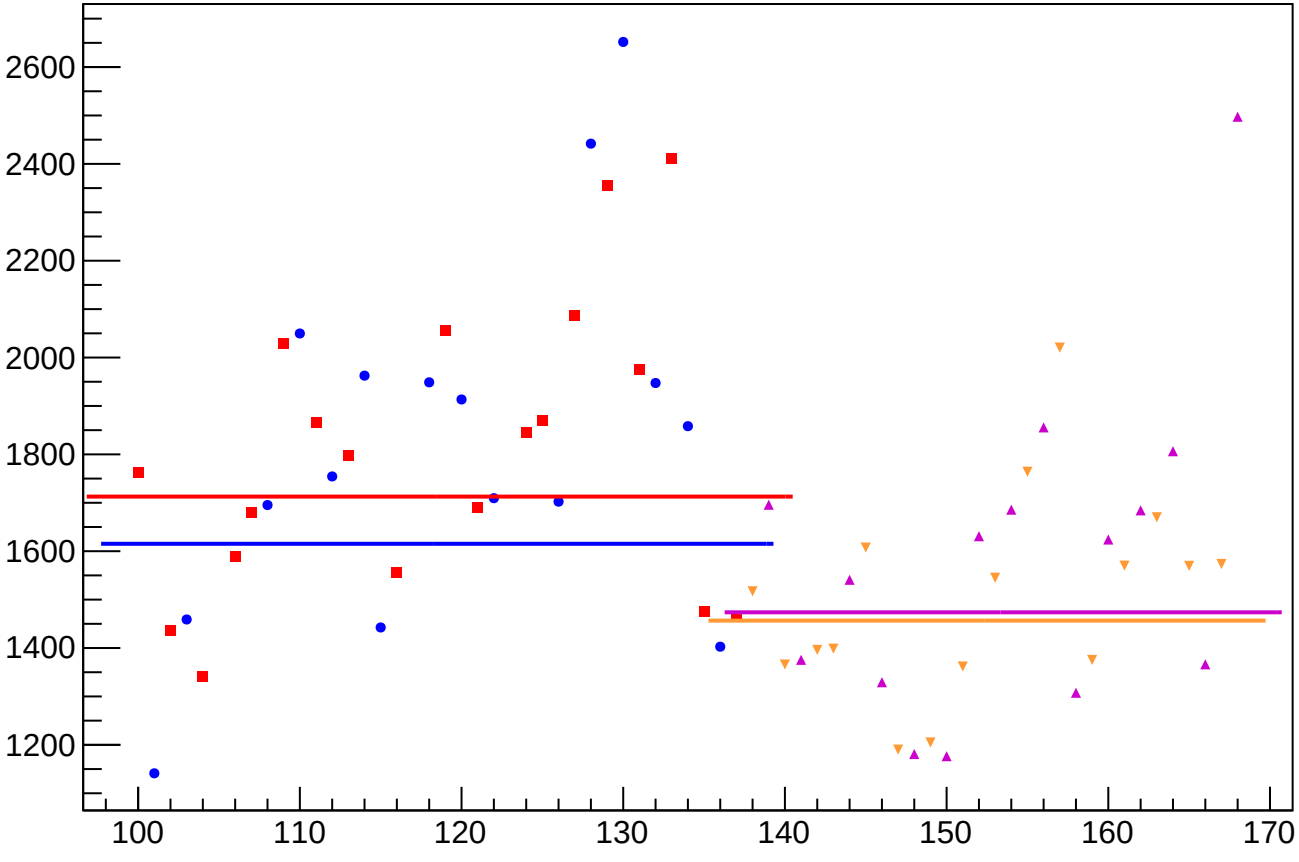
Left In: -370.705+/-426.717 χ^2/NDF:12.8/14

+ sign 598.691+/-345.066 χ^2/NDF: 34.1/31

All: 300.046+/-247.272 χ^2/NDF: 65.7/65

- sign -15.181+/-354.516 χ^2/NDF: 30.1/33

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1456.619+/-0.294 χ^2/NDF:430122.5/15

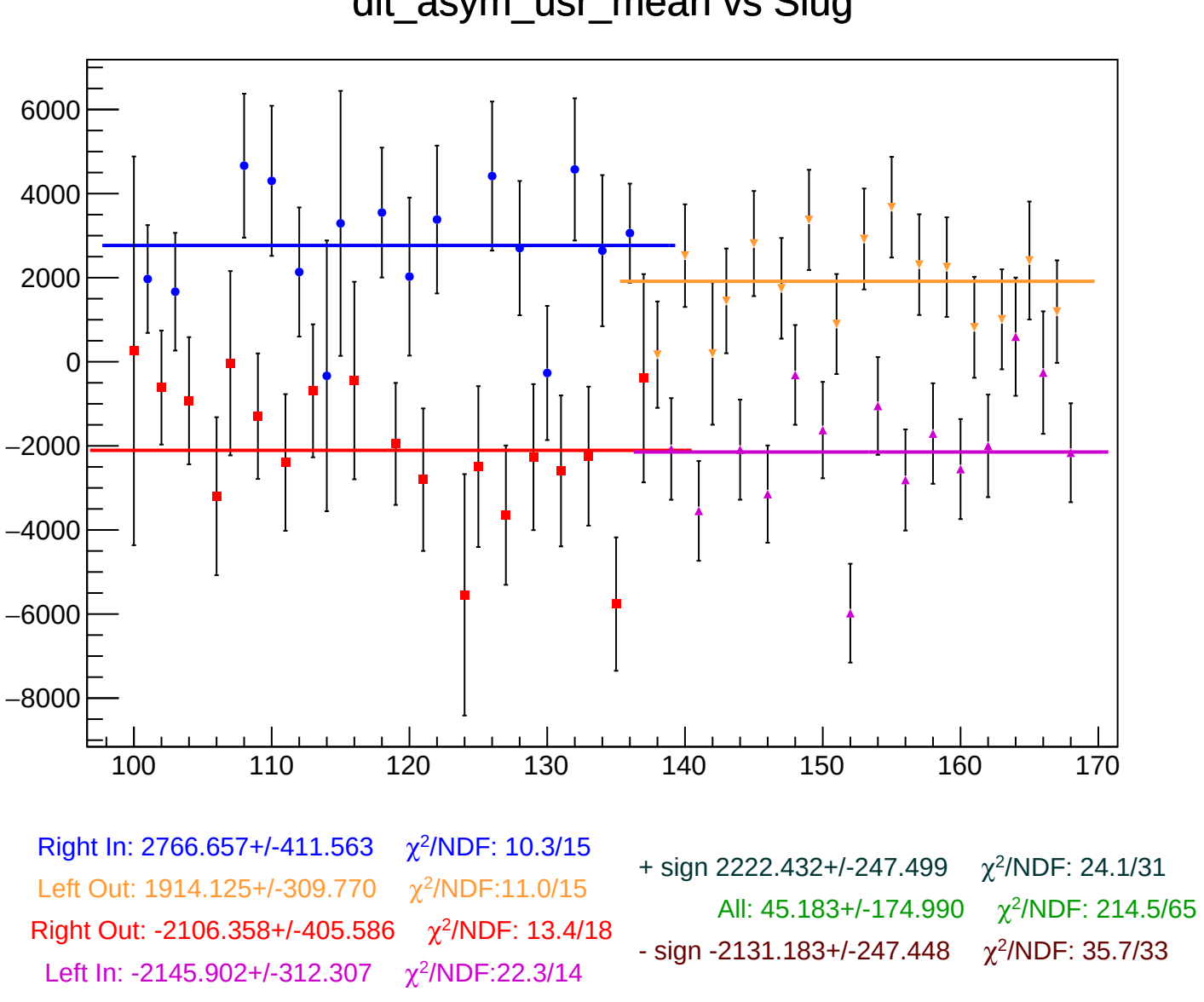
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1473.769+/-0.302 χ^2/NDF:796649.5/14

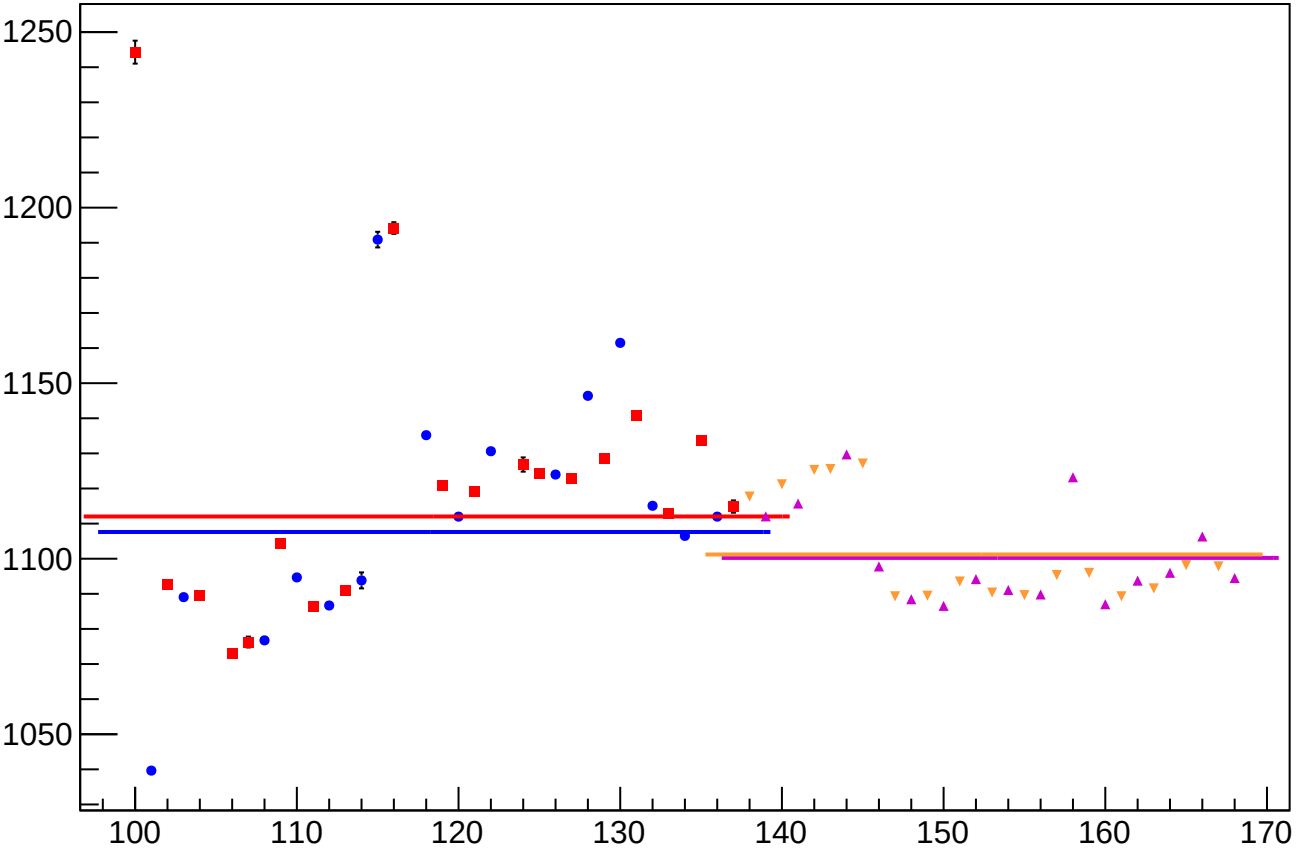
+ sign 1506.080+/-0.244 χ^2/NDF: 1214503.6/31

All: 1526.383+/-0.175 χ^2/NDF: 2647848.0/65

- sign 1547.813+/-0.251 χ^2/NDF: 1419112.2/33


dit_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: 2766.657+/-411.563 χ²/NDF: 10.3/15
Left Out: 1914.125+/-309.770 χ²/NDF:11.0/15
Right Out: -2106.358+/-405.586 χ²/NDF: 13.4/18
Left In: -2145.902+/-312.307 χ²/NDF:22.3/14
+ sign 2222.432+/-247.499 χ²/NDF: 24.1/31
All: 45.183+/-174.990 χ²/NDF: 214.5/65
- sign -2131.183+/-247.448 χ²/NDF: 35.7/33

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1101.203+/-0.219 χ^2/NDF:4169.6/15

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

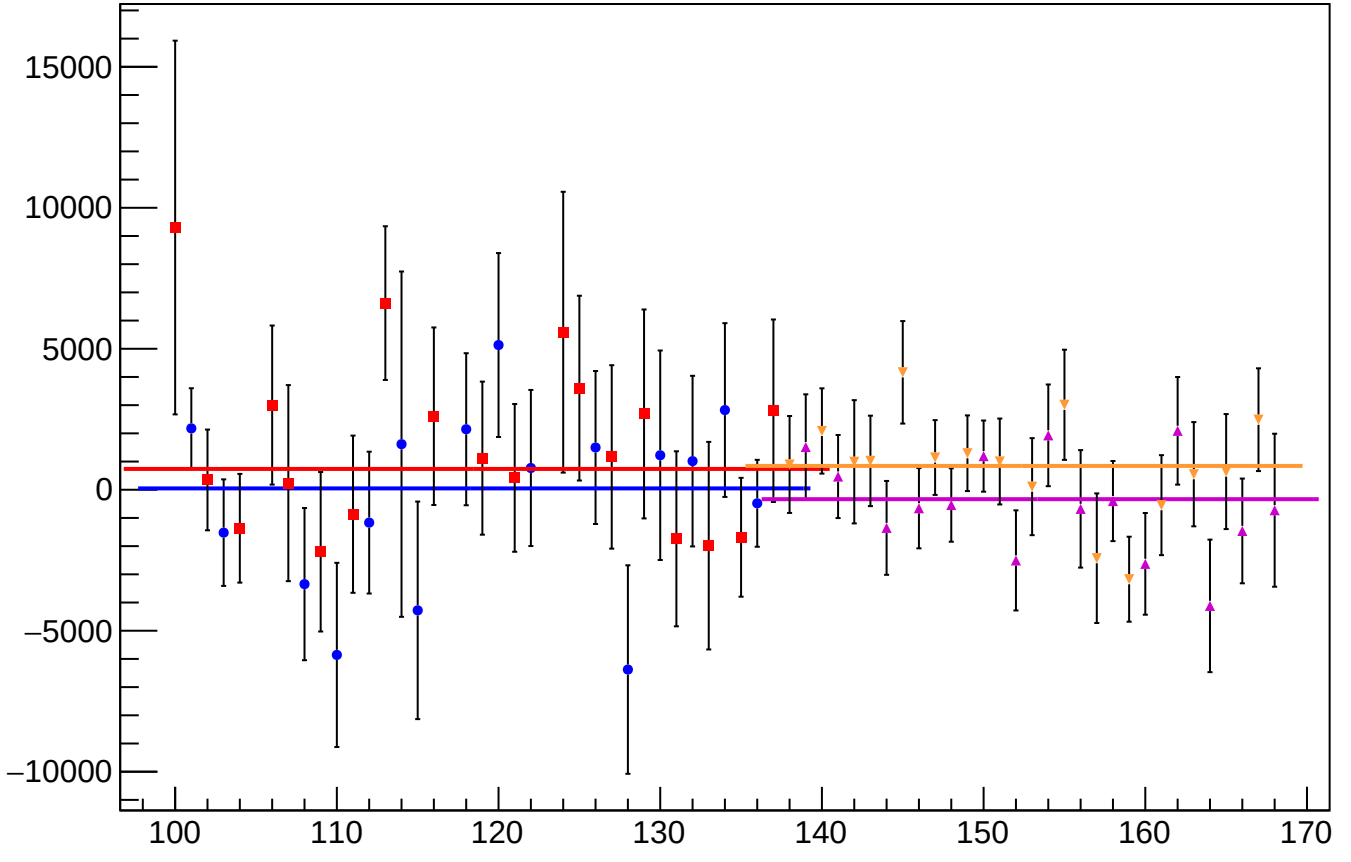
Left In: 1100.231+/-0.221 χ^2/NDF:3716.6/14

+ sign 1103.521+/-0.175 χ^2/NDF: 17700.2/31

All: 1104.072+/-0.124 χ^2/NDF: 31152.5/65

- sign 1104.623+/-0.175 χ^2/NDF: 13432.5/33

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 844.831+/-422.090 χ^2/NDF:16.2/15

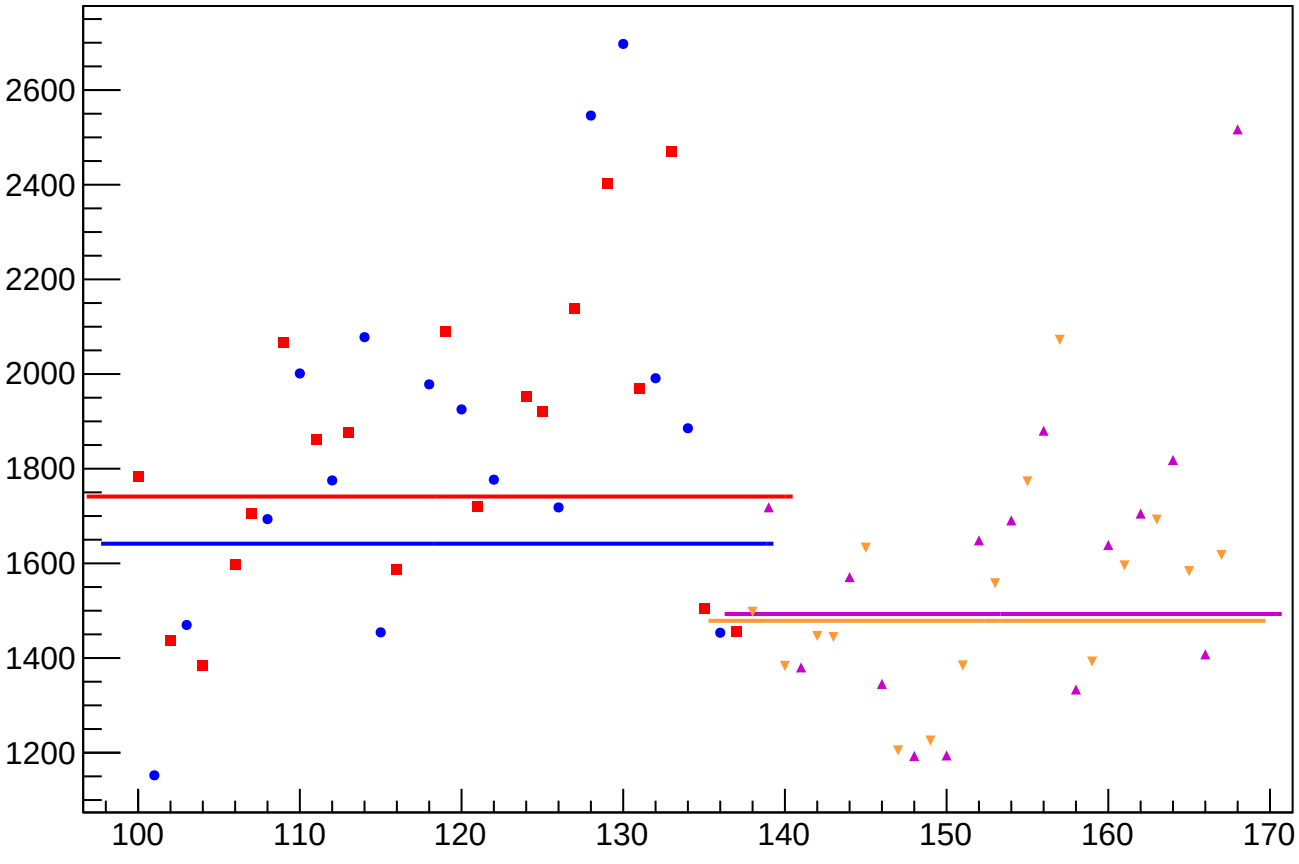
Right Out: 738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: -334.211+/-432.008 χ^2/NDF:12.5/14

+ sign 596.855+/-350.327 χ^2/NDF: 34.2/31

All: 304.077+/-250.870 χ^2/NDF: 65.0/65

- sign -4.090+/-359.416 χ^2/NDF: 29.3/33



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1478.670+/-0.298 χ^2/NDF:430120.3/15

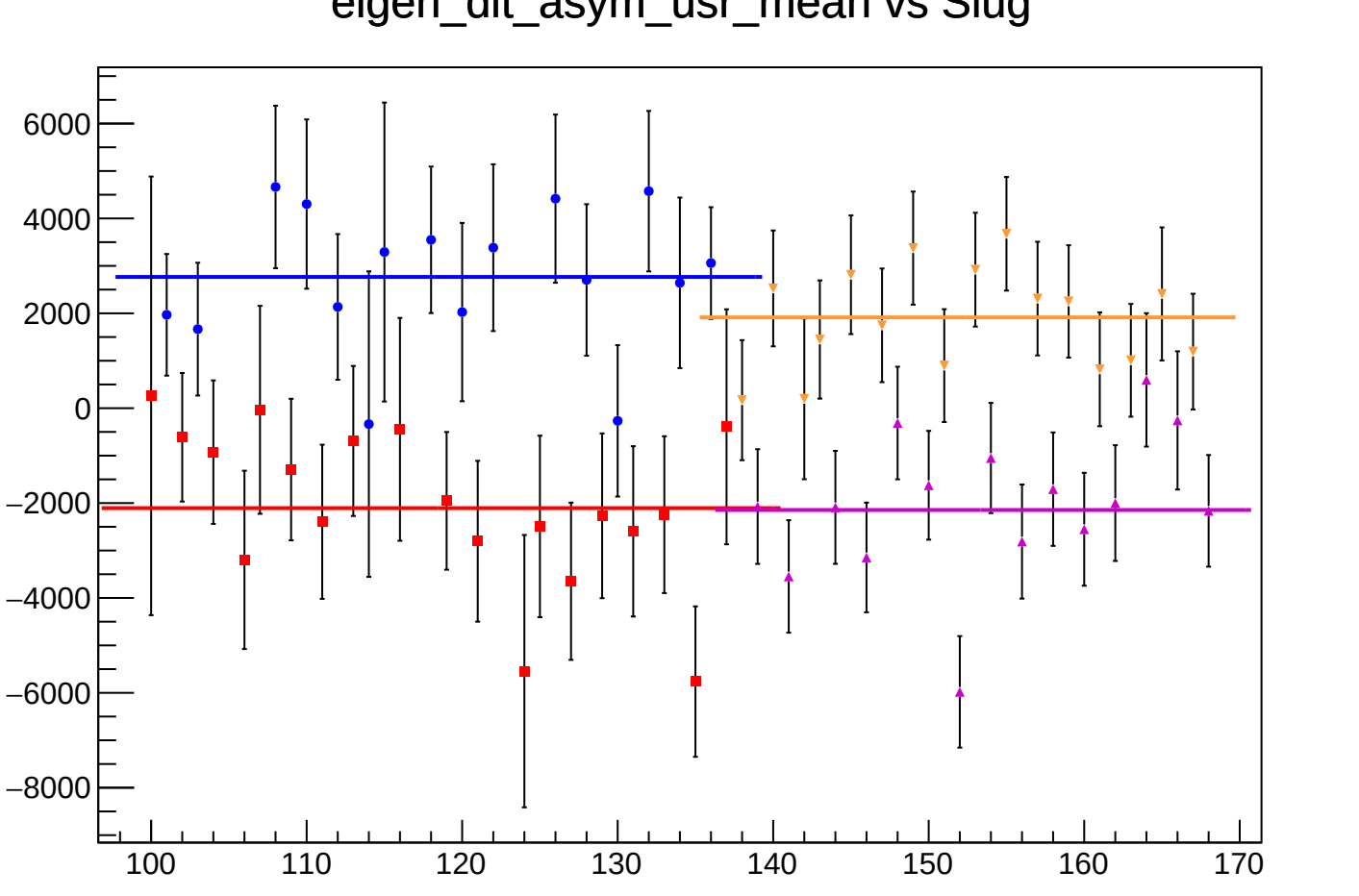
Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1493.052+/-0.305 χ^2/NDF:783786.3/14

+ sign 1529.343+/-0.248 χ^2/NDF: 1224079.7/31

All: 1548.878+/-0.177 χ^2/NDF: 2662103.2/65

- sign 1569.441+/-0.254 χ^2/NDF: 1425258.5/33



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

Left Out: 1914.122+/-309.770 χ^2/NDF:11.0/15

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

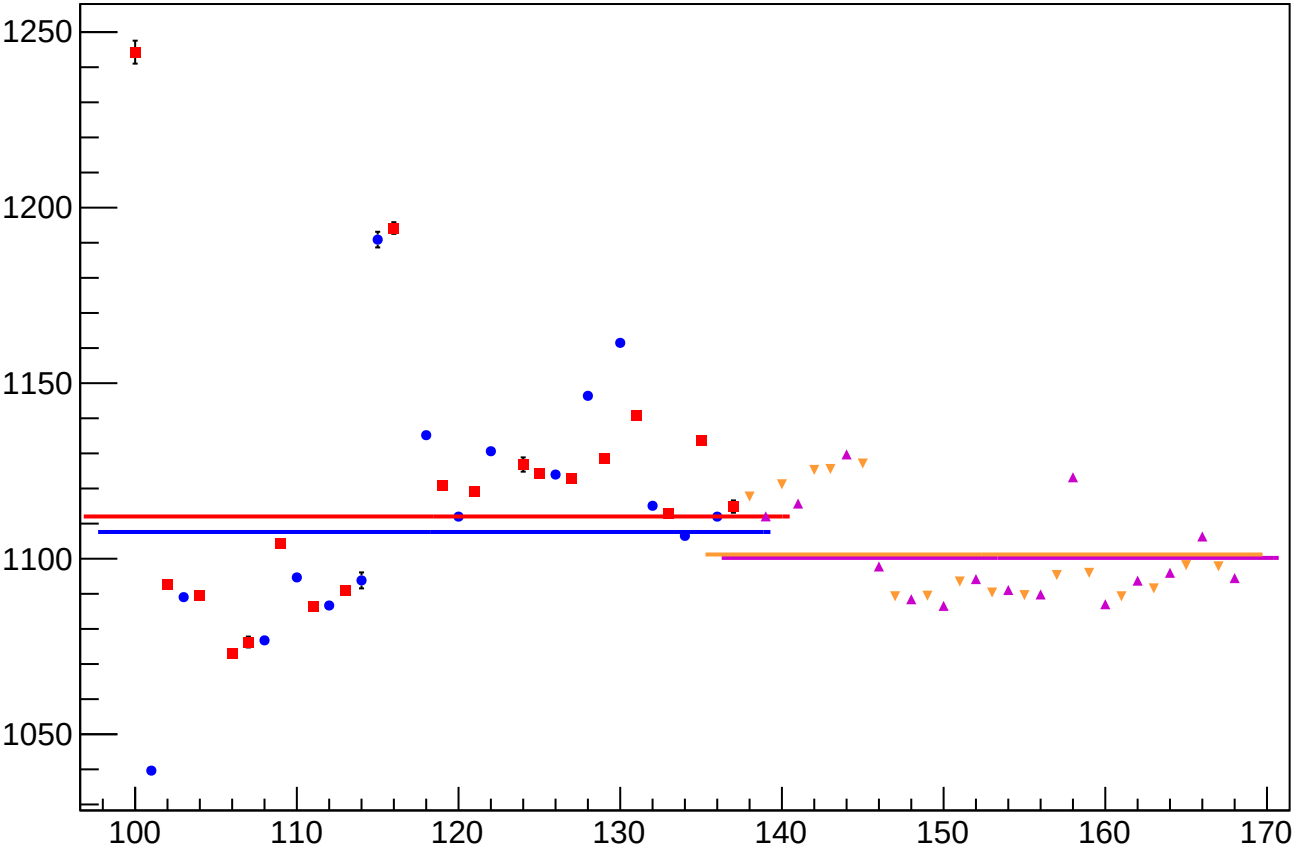
Left In: -2145.903+/-312.307 χ^2/NDF:22.3/14

+ sign 2222.430+/-247.499 χ^2/NDF: 24.1/31

All: 45.181+/-174.990 χ^2/NDF: 214.5/65

- sign -2131.184+/-247.448 χ^2/NDF: 35.7/33

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1101.203+/-0.219 χ^2/NDF:4169.6/15

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

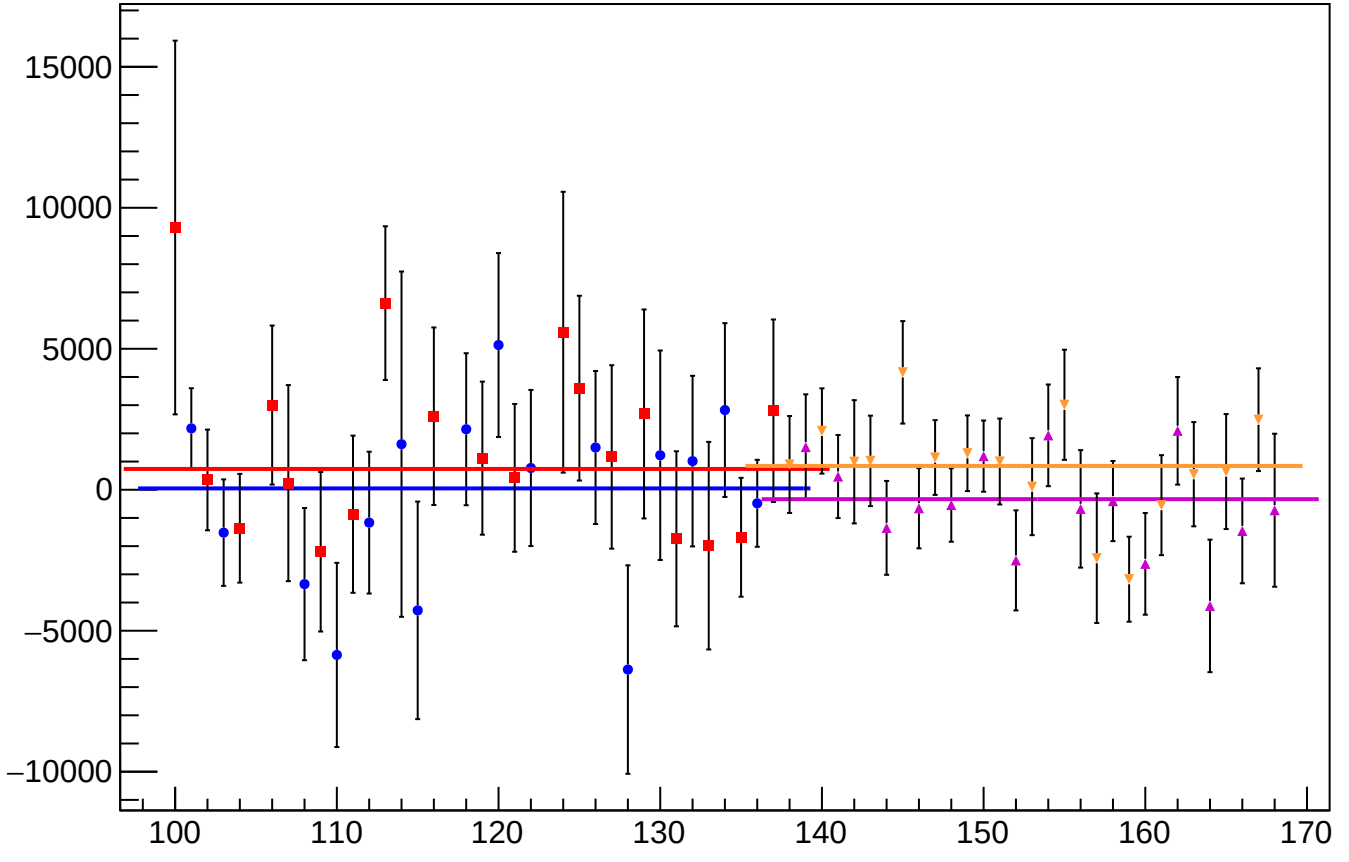
Left In: 1100.231+/-0.221 χ^2/NDF:3716.6/14

+ sign 1103.521+/-0.175 χ^2/NDF: 17700.0/31

All: 1104.072+/-0.124 χ^2/NDF: 31152.3/65

- sign 1104.623+/-0.175 χ^2/NDF: 13432.4/33

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 844.830+/-422.091 χ^2/NDF:16.2/15

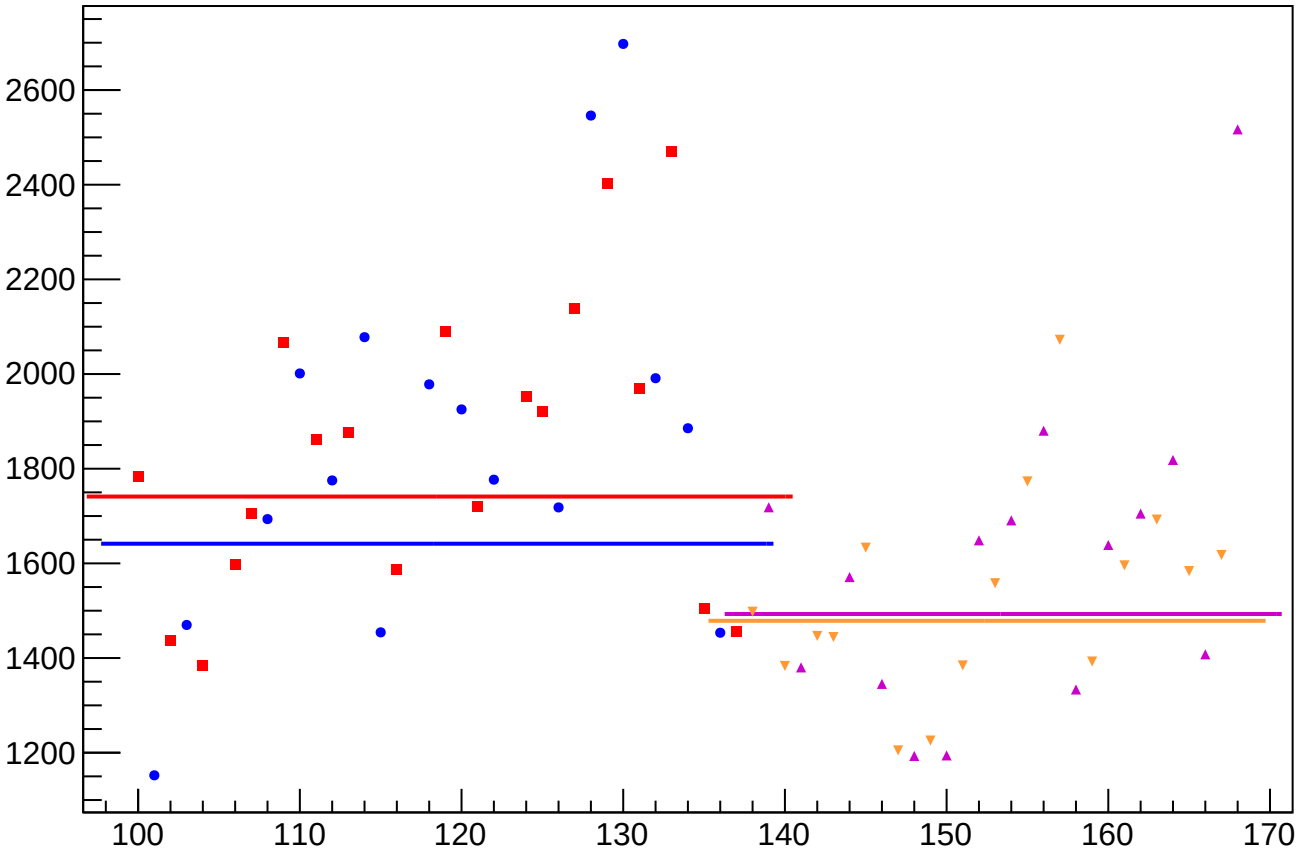
Right Out: 738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: -334.212+/-432.009 χ^2/NDF:12.5/14

+ sign 596.851+/-350.327 χ^2/NDF: 34.2/31

All: 304.076+/-250.871 χ^2/NDF: 65.0/65

- sign -4.087+/-359.416 χ^2/NDF: 29.3/33



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1478.673+/-0.298 χ^2/NDF:430124.8/15

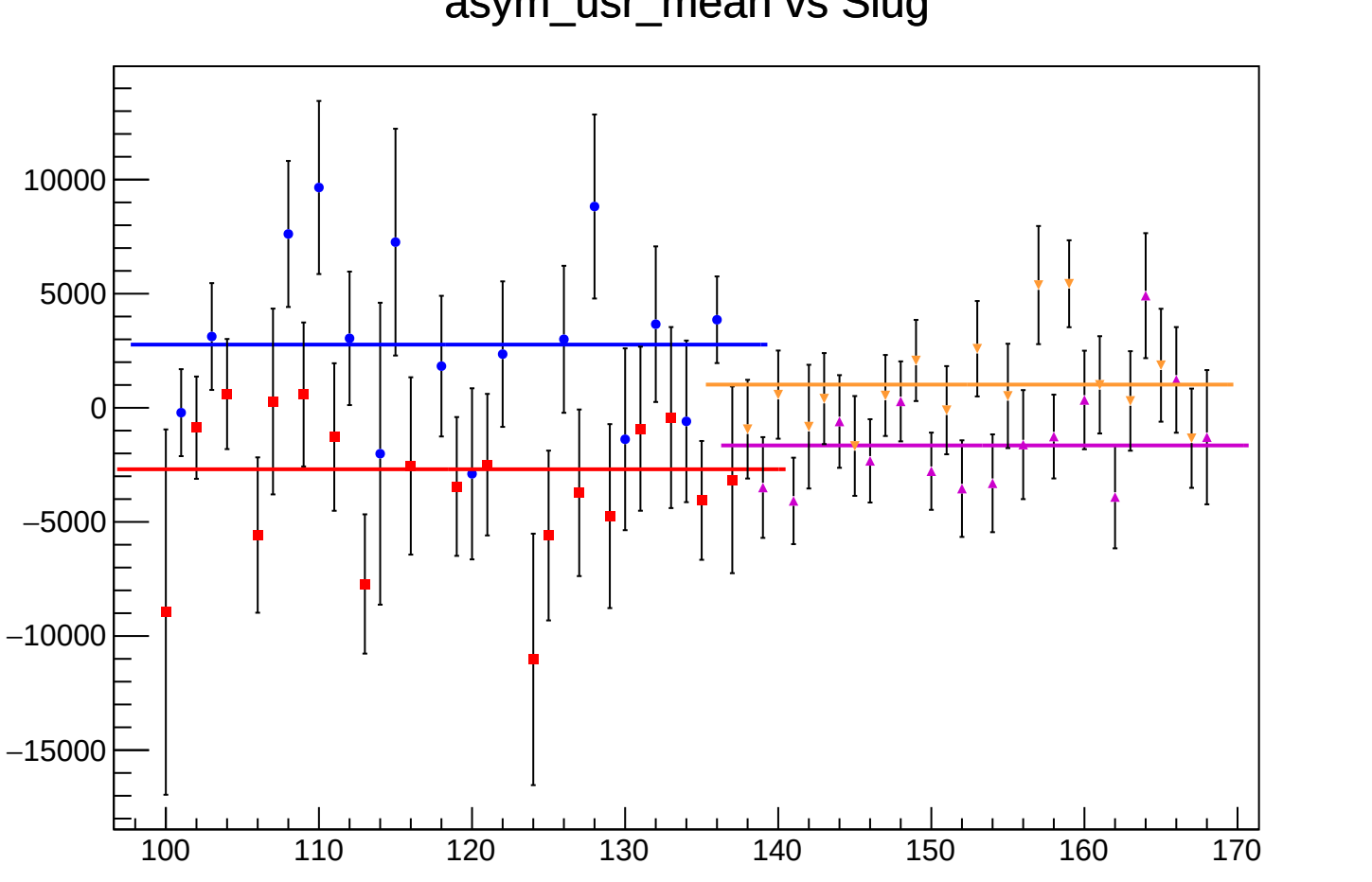
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1493.055+/-0.305 χ^2/NDF:783792.0/14

+ sign 1529.345+/-0.248 χ^2/NDF: 1224065.7/31

All: 1548.881+/-0.177 χ^2/NDF: 2662074.7/65

- sign 1569.443+/-0.254 χ^2/NDF: 1425243.8/33



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1017.591+/-524.849 χ^2/NDF:13.9/15

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

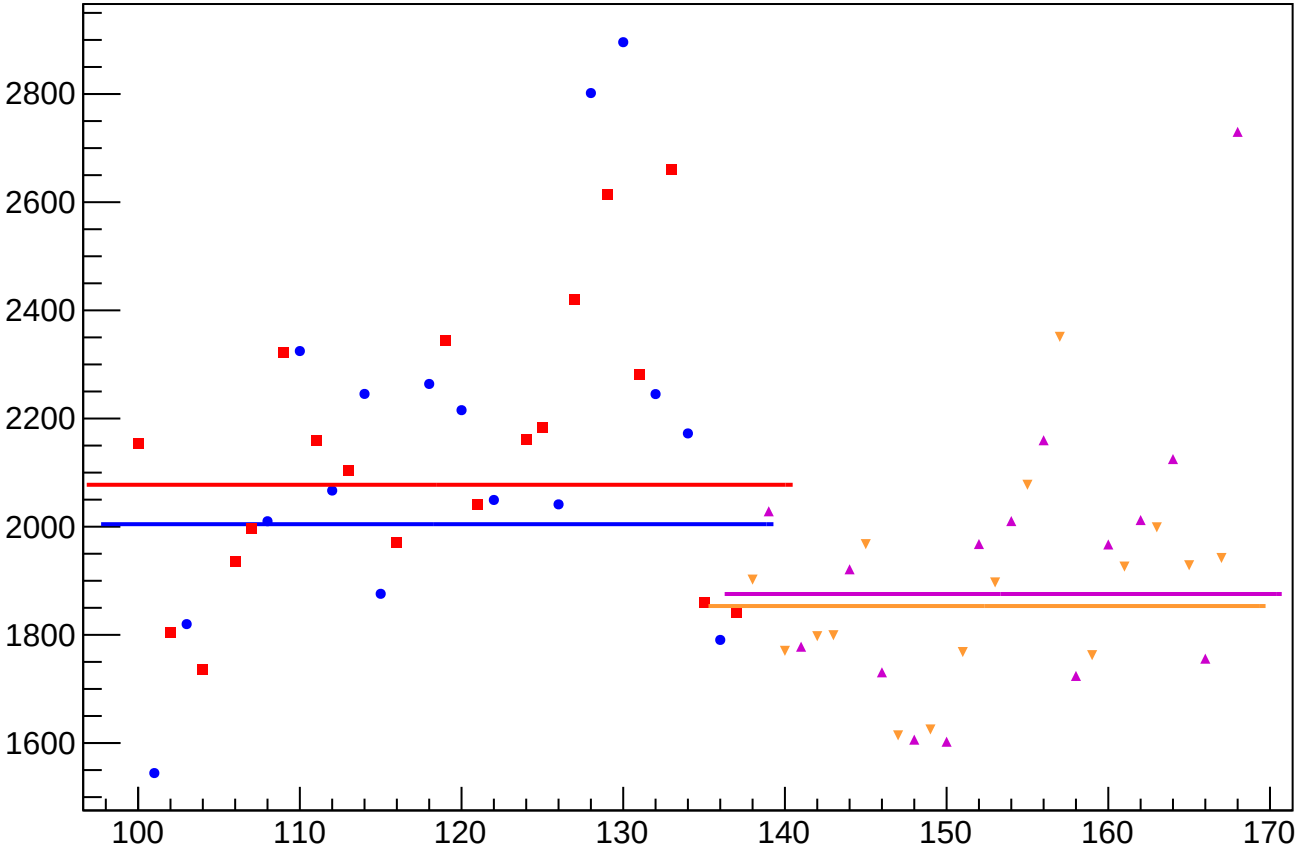
Left In: -1648.398+/-537.383 χ^2/NDF:15.0/14

+ sign 1586.376+/-431.341 χ^2/NDF: 34.0/31

All: -168.237+/-307.977 χ^2/NDF: 96.5/65

- sign -1992.966+/-439.875 χ^2/NDF: 28.8/33

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1853.301+/-0.371 χ^2/NDF:200677.3/15

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

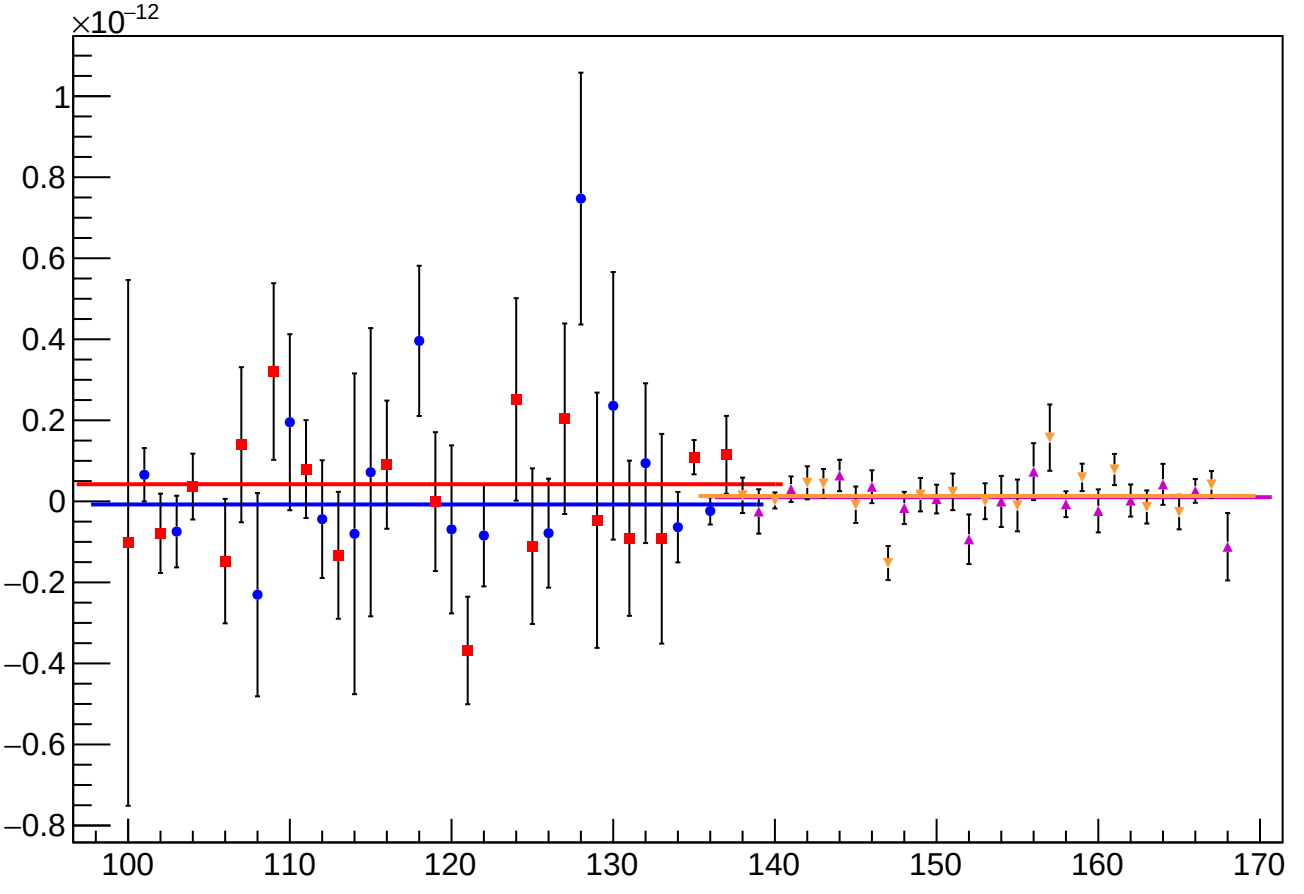
Left In: 1875.561+/-0.380 χ^2/NDF:383241.7/14

+ sign 1902.421+/-0.305 χ^2/NDF: 642215.6/31

All: 1921.919+/-0.218 χ^2/NDF: 1357469.0/65

- sign 1942.196+/-0.311 χ^2/NDF: 706917.0/33

asym_usr_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:27.5/15

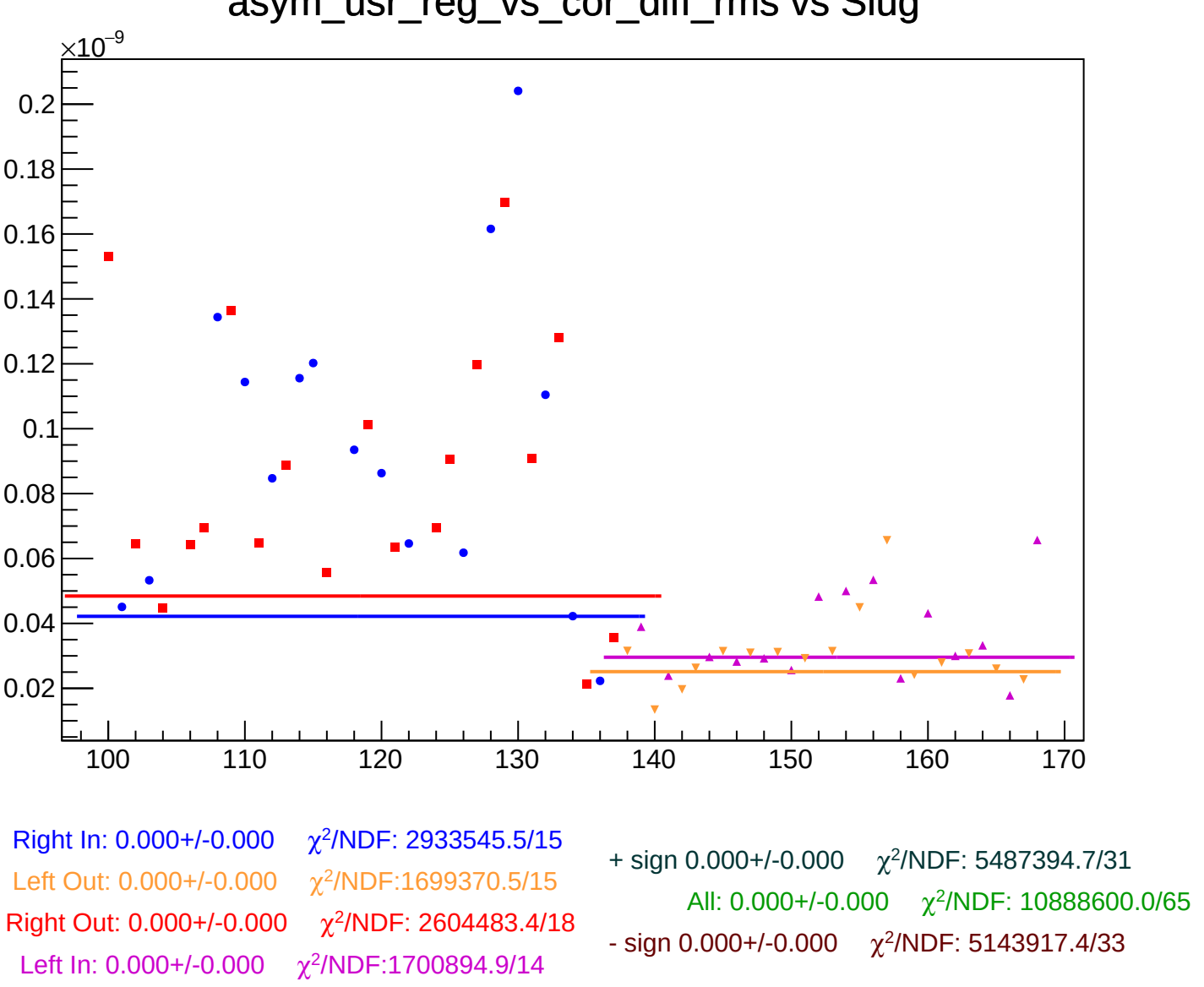
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: 0.000+/-0.000 χ^2/NDF:10.9/14

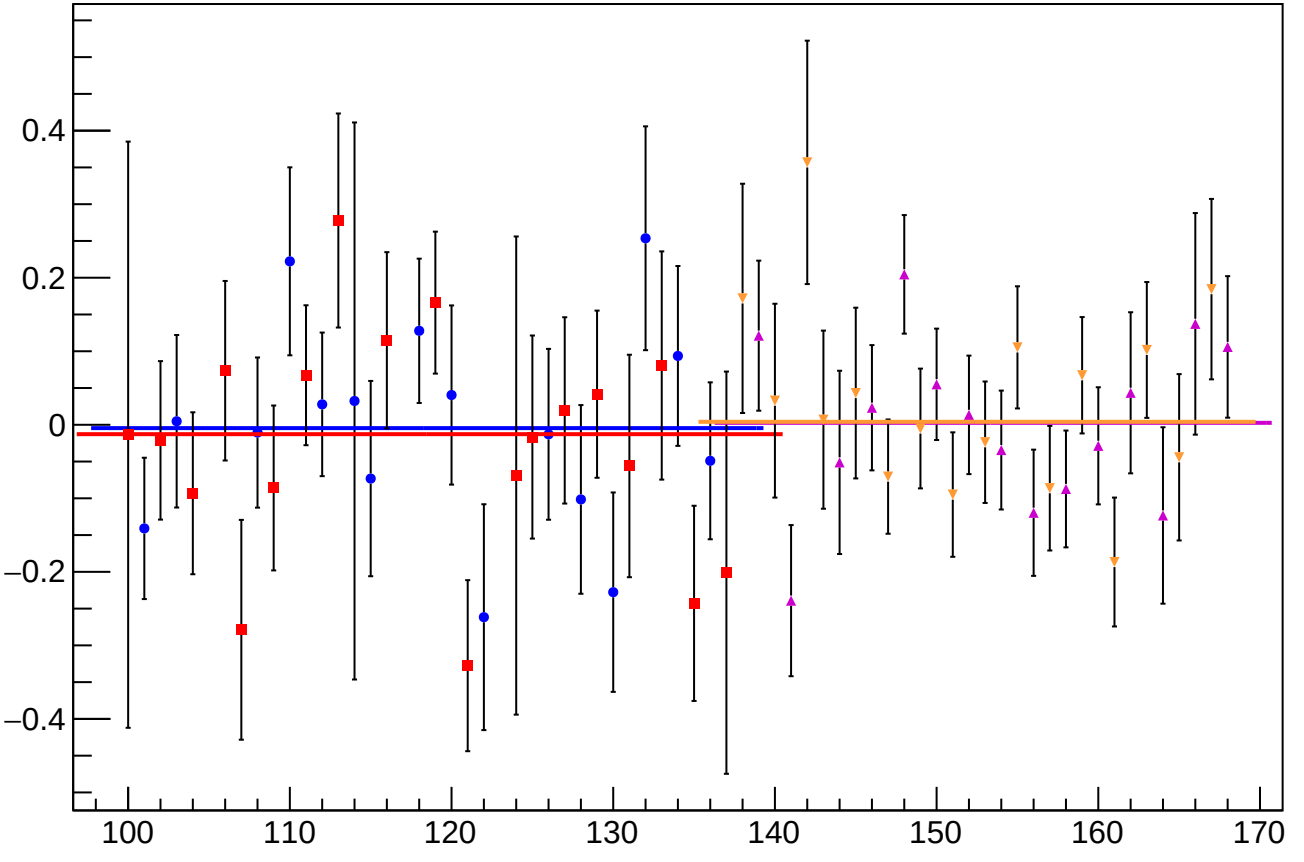
+ sign 0.000+/-0.000 χ^2/NDF: 44.6/31

All: 0.000+/-0.000 χ^2/NDF: 78.6/65

- sign 0.000+/-0.000 χ^2/NDF: 33.9/33


asym_usr_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2933545.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1699370.5/15
Right Out: 0.000+/-0.000 χ²/NDF: 2604483.4/18
Left In: 0.000+/-0.000 χ²/NDF:1700894.9/14
+ sign 0.000+/-0.000 χ²/NDF: 5487394.7/31
All: 0.000+/-0.000 χ²/NDF: 10888600.0/65
- sign 0.000+/-0.000 χ²/NDF: 5143917.4/33

asym_usr_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.004+/-0.024 χ^2/NDF:19.7/15

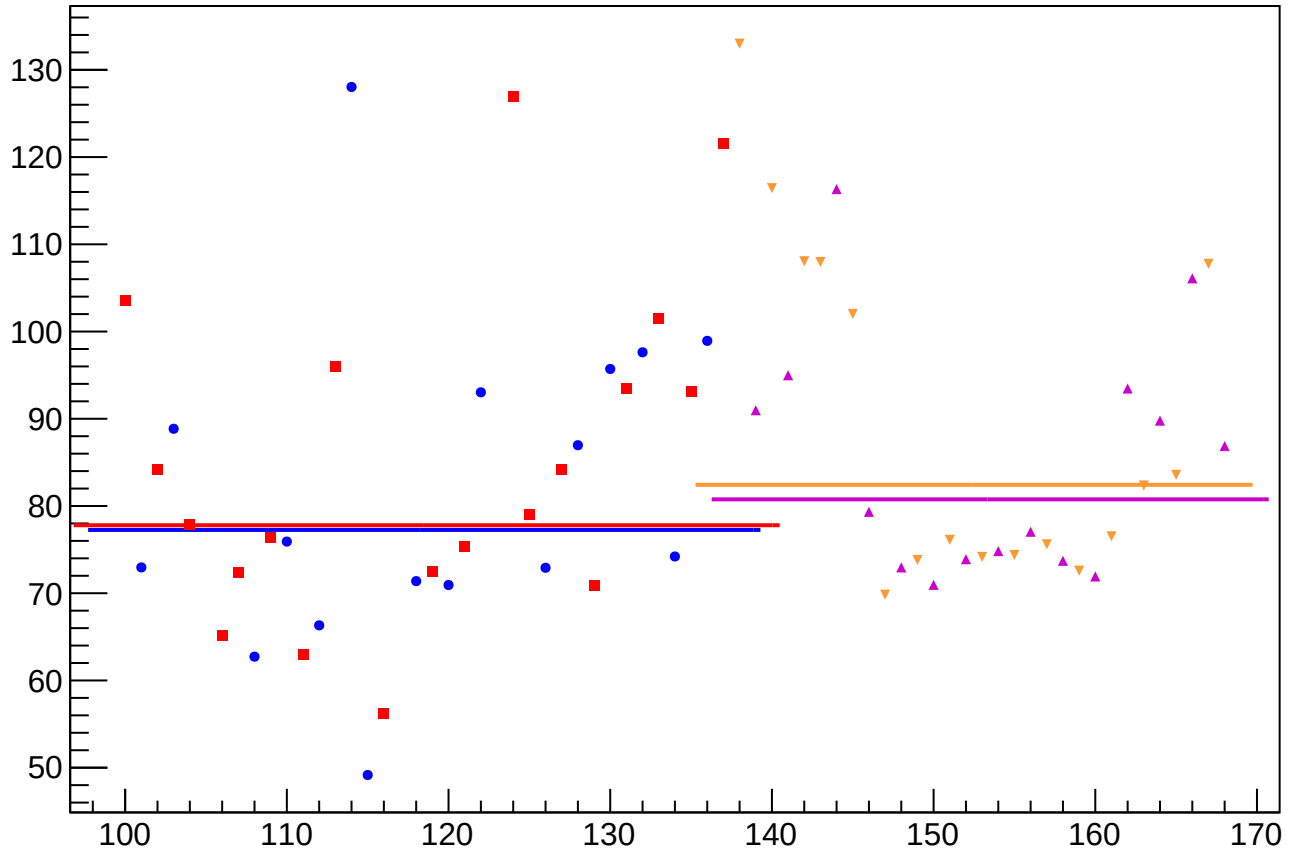
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.003+/-0.024 χ^2/NDF:20.8/14

+ sign 0.001+/-0.019 χ^2/NDF: 37.1/31

All: -0.001+/-0.013 χ^2/NDF: 83.5/65

- sign -0.003+/-0.019 χ^2/NDF: 46.4/33



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

Left Out: 82.427+/-0.017 χ^2/NDF:800780.8/15

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

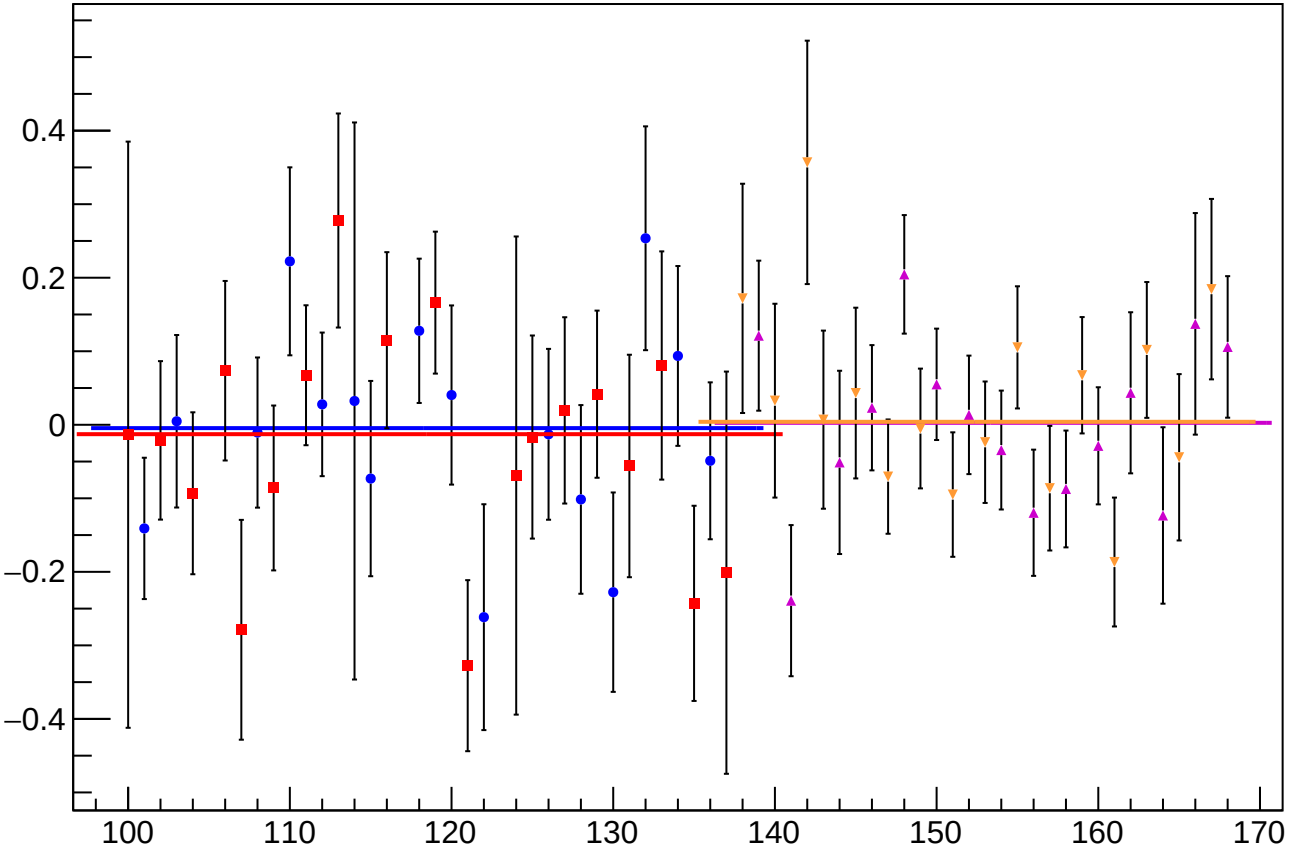
Left In: 80.762+/-0.017 χ^2/NDF:446297.2/14

+ sign 80.400+/-0.013 χ^2/NDF: 1256024.7/31

All: 79.999+/-0.009 χ^2/NDF: 2112766.6/65

- sign 79.611+/-0.013 χ^2/NDF: 854955.7/33

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.004+/-0.024 χ^2/NDF:19.7/15

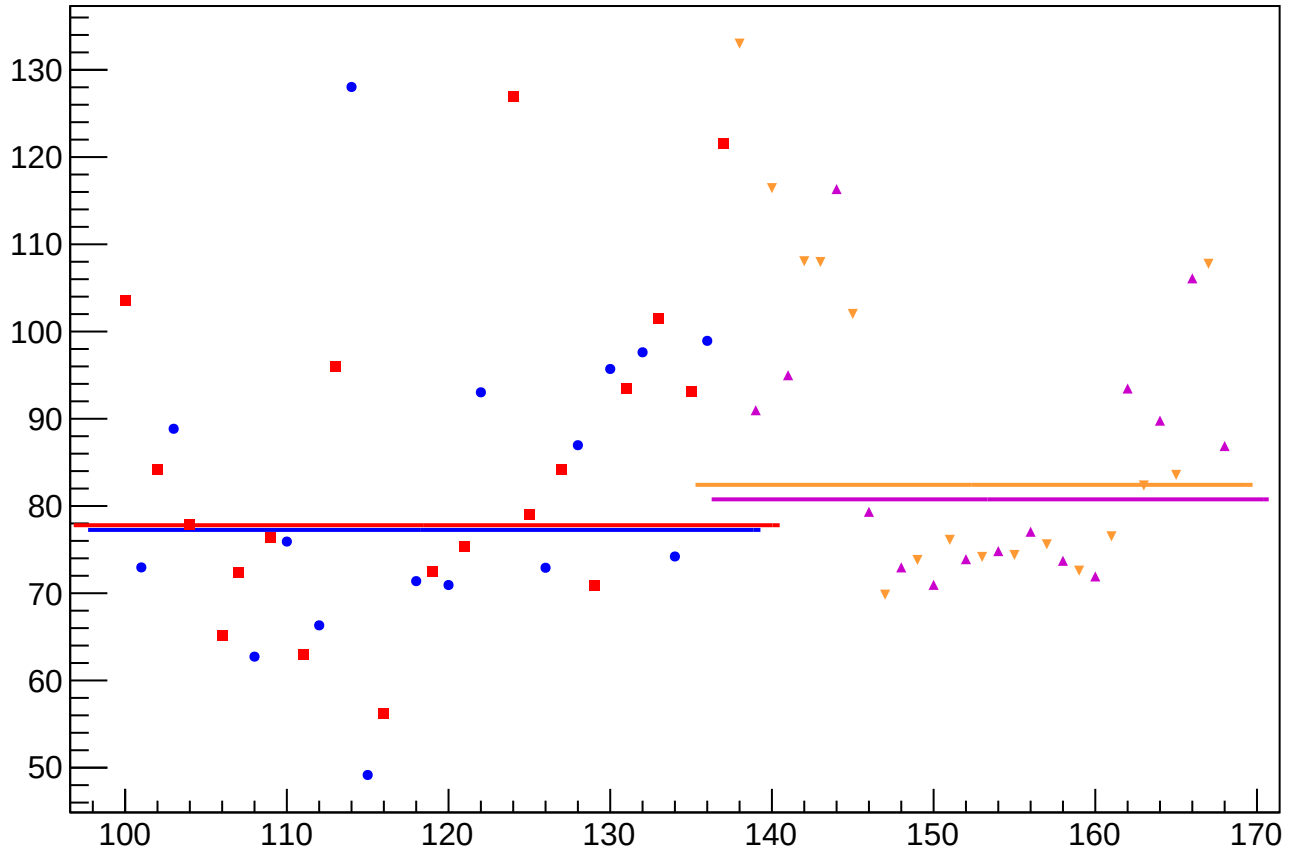
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.003+/-0.024 χ^2/NDF:20.8/14

+ sign 0.001+/-0.019 χ^2/NDF: 37.1/31

All: -0.001+/-0.013 χ^2/NDF: 83.5/65

- sign -0.003+/-0.019 χ^2/NDF: 46.4/33



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

Left Out: 82.427+/-0.017 χ^2/NDF:800780.8/15

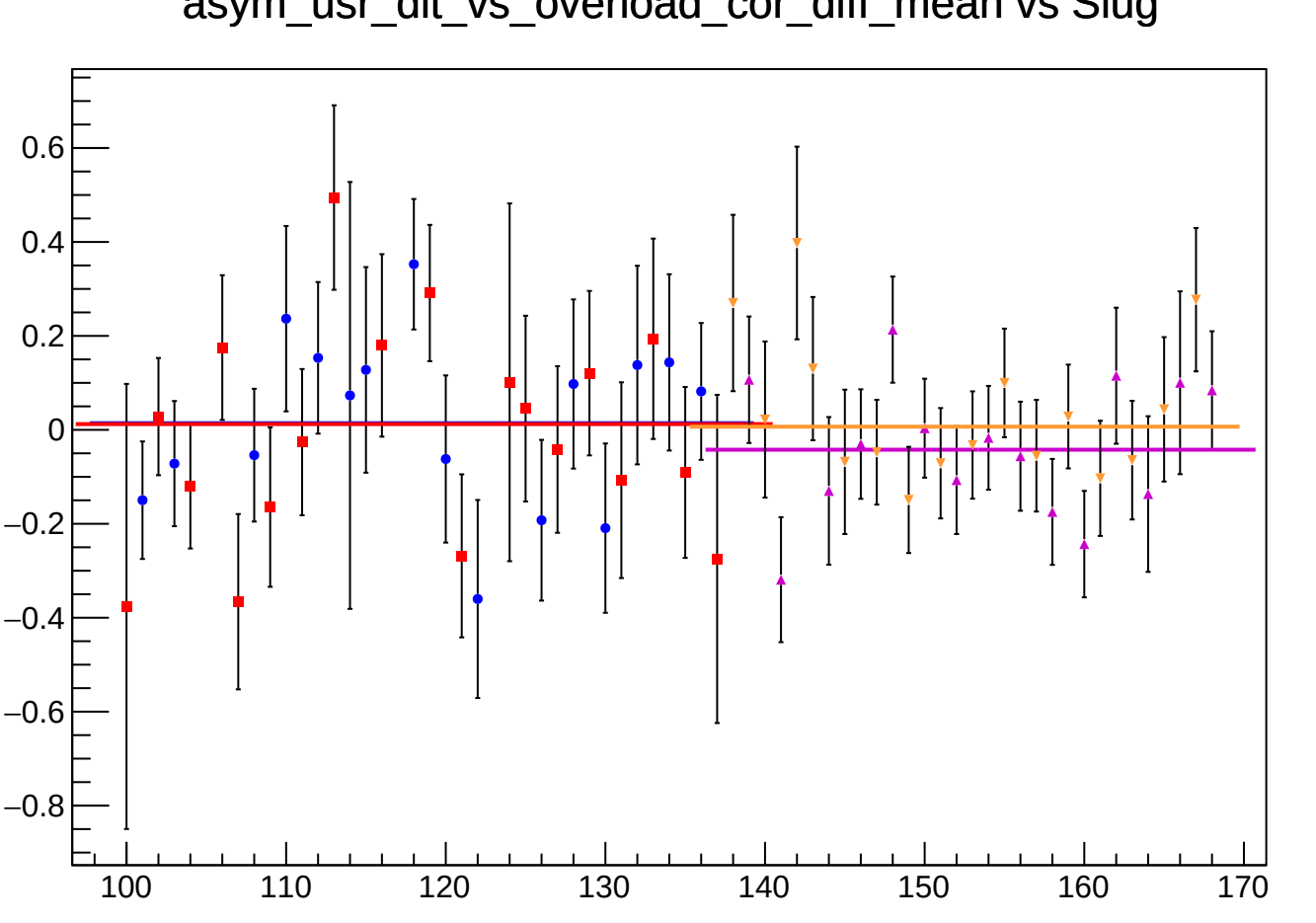
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 80.762+/-0.017 χ^2/NDF:446297.2/14

+ sign 80.400+/-0.013 χ^2/NDF: 1256024.7/31

All: 79.999+/-0.009 χ^2/NDF: 2112766.6/65

- sign 79.611+/-0.013 χ^2/NDF: 854955.7/33



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

Left Out: 0.007+/-0.033 χ^2/NDF:14.5/15

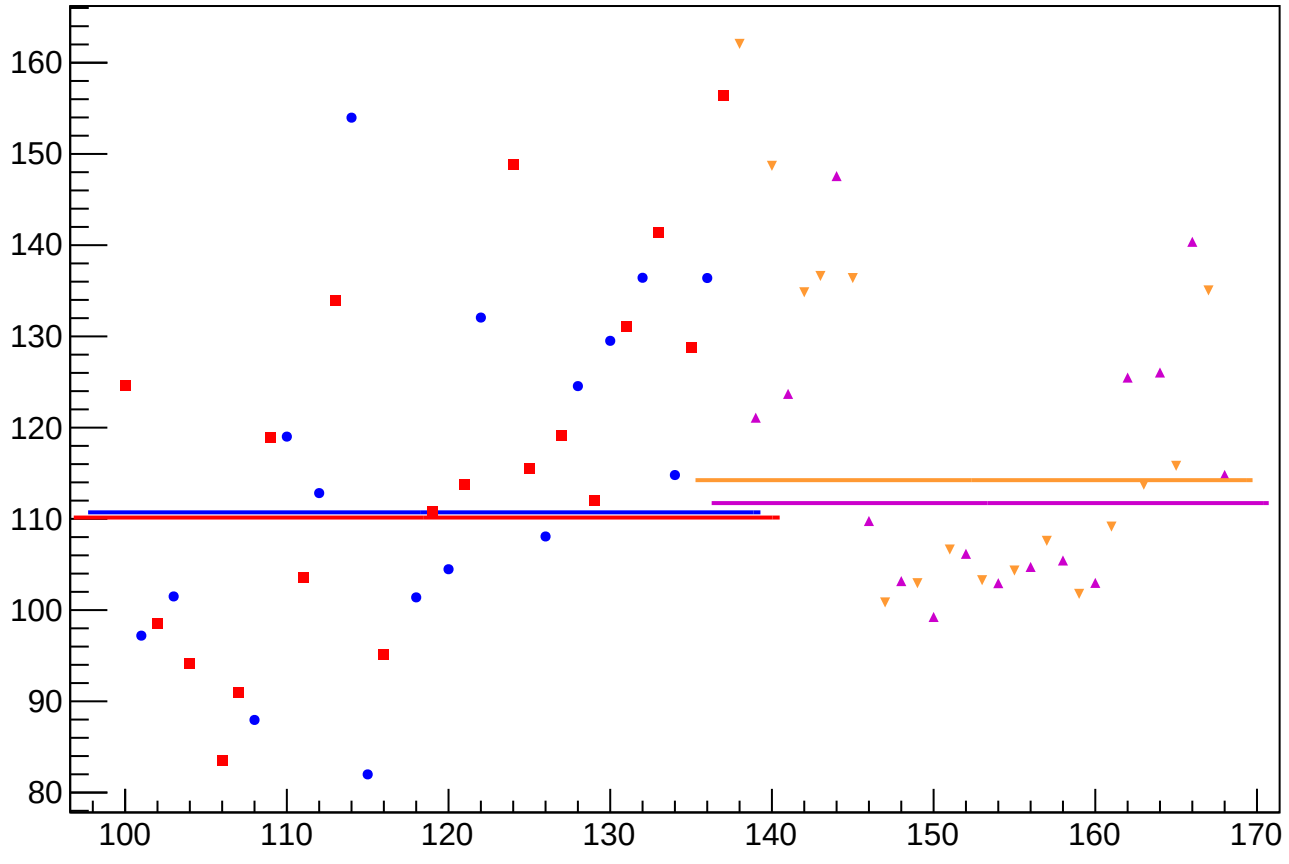
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.042+/-0.032 χ^2/NDF:19.1/14

+ sign 0.010+/-0.026 χ^2/NDF: 32.7/31

All: -0.006+/-0.018 χ^2/NDF: 77.4/65

- sign -0.022+/-0.025 χ^2/NDF: 44.0/33



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 114.242+/-0.023 χ^2/NDF:483402.8/15

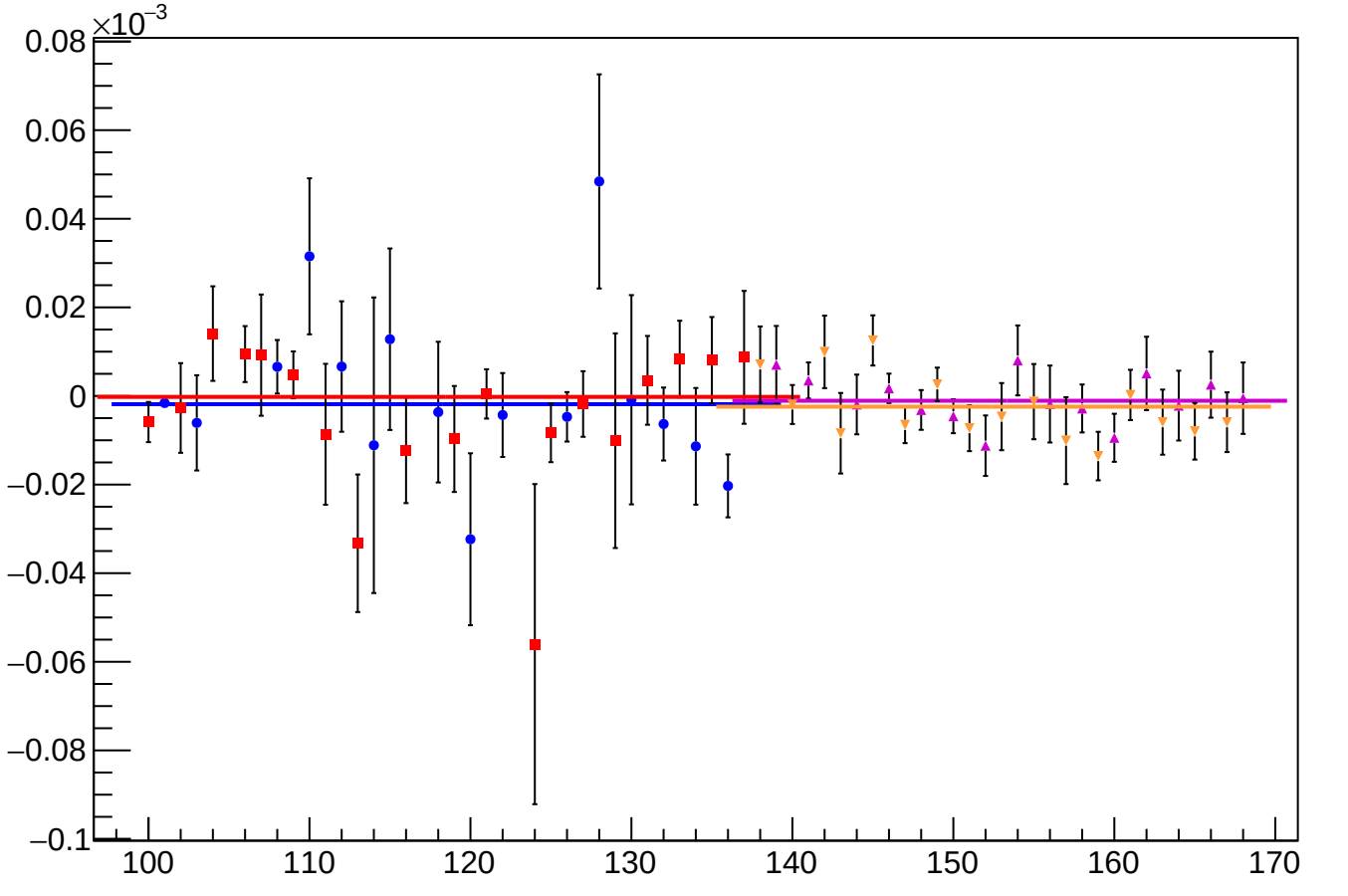
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 111.728+/-0.023 χ^2/NDF:290134.1/14

+ sign 112.911+/-0.018 χ^2/NDF: 792046.8/31

All: 112.001+/-0.013 χ^2/NDF: 1415541.0/65

- sign 111.127+/-0.018 χ^2/NDF: 618683.0/33



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/15

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

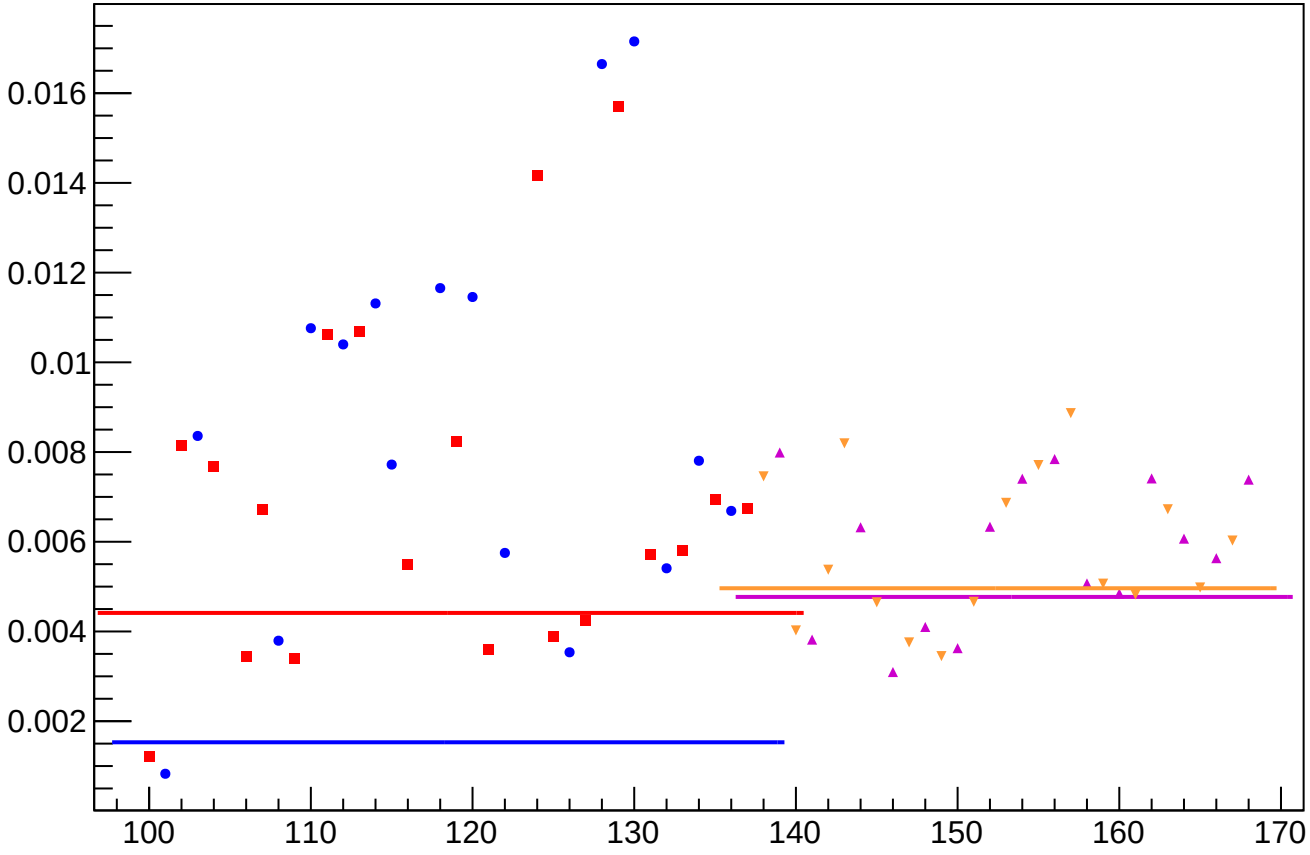
Left In: -0.000+/-0.000 χ^2/NDF:10.7/14

+ sign -0.000+/-0.000 χ^2/NDF: 42.4/31

All: -0.000+/-0.000 χ^2/NDF: 73.9/65

- sign -0.000+/-0.000 χ^2/NDF: 30.8/33

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:1841434.6/15

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

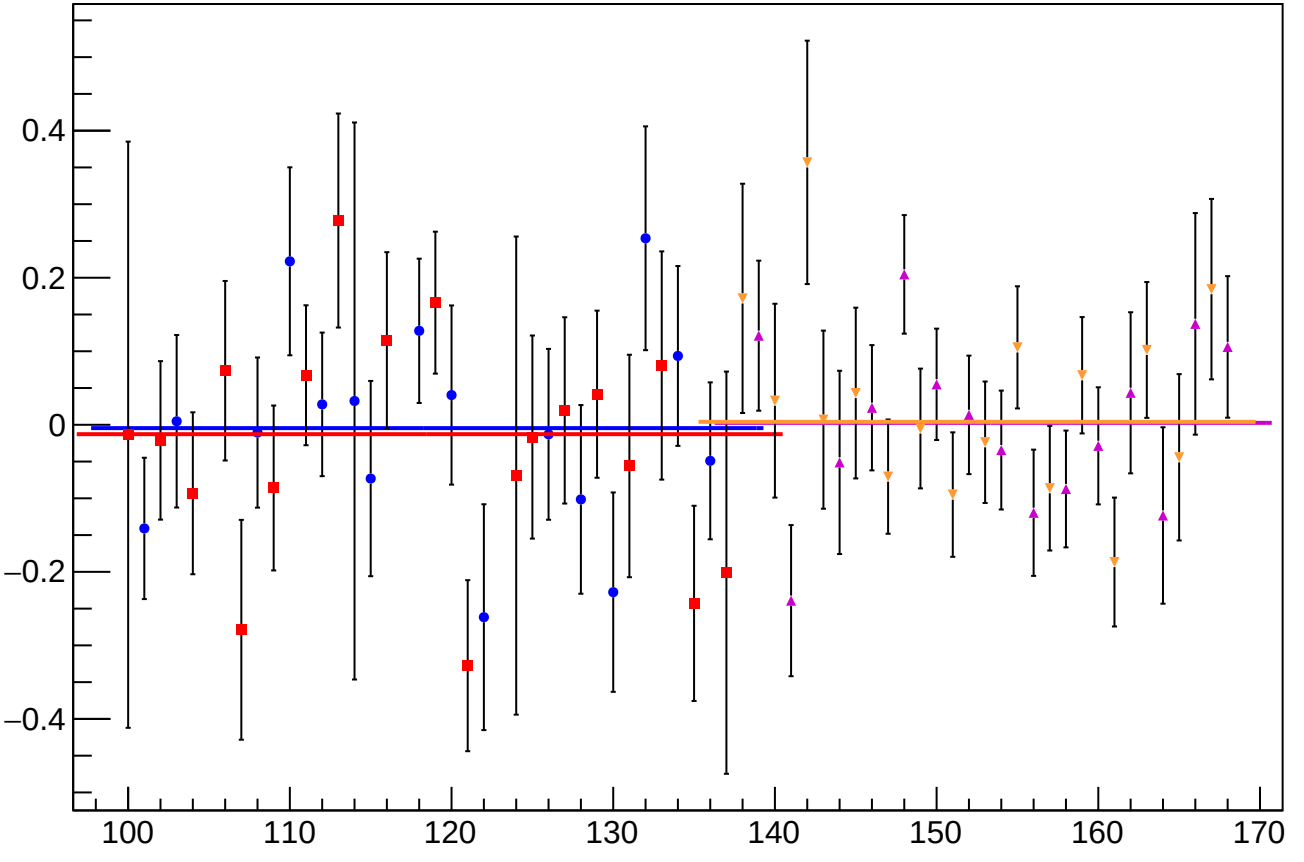
Left In: 0.005+/-0.000 χ^2/NDF:2298254.2/14

+ sign 0.003+/-0.000 χ^2/NDF: 18627432.1/31

All: 0.003+/-0.000 χ^2/NDF: 28690820.6/65

- sign 0.005+/-0.000 χ^2/NDF: 5730498.5/33

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.004+/-0.024 χ^2/NDF:19.7/15

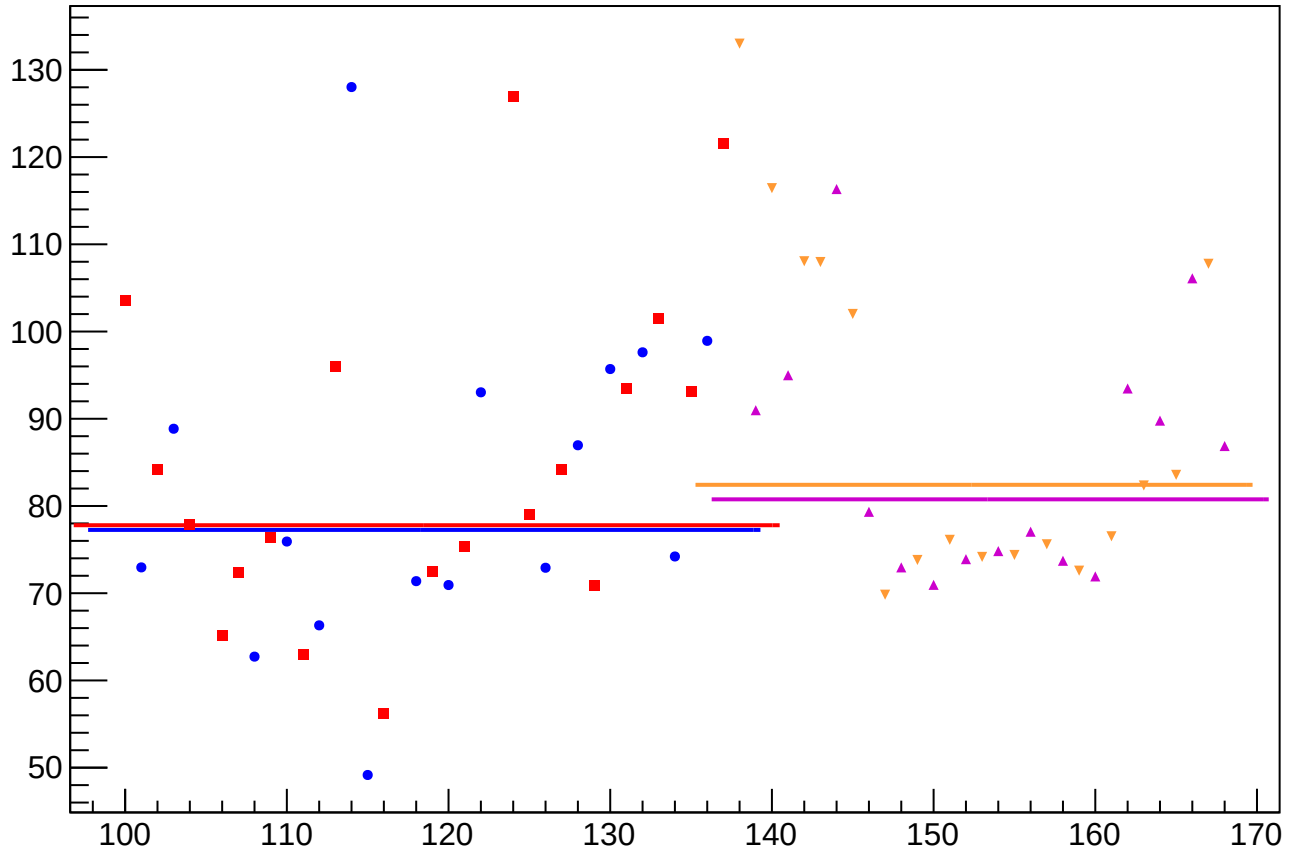
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.003+/-0.024 χ^2/NDF:20.8/14

+ sign 0.001+/-0.019 χ^2/NDF: 37.1/31

All: -0.001+/-0.013 χ^2/NDF: 83.5/65

- sign -0.003+/-0.019 χ^2/NDF: 46.4/33



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

Left Out: 82.427+/-0.017 χ^2/NDF:800785.1/15

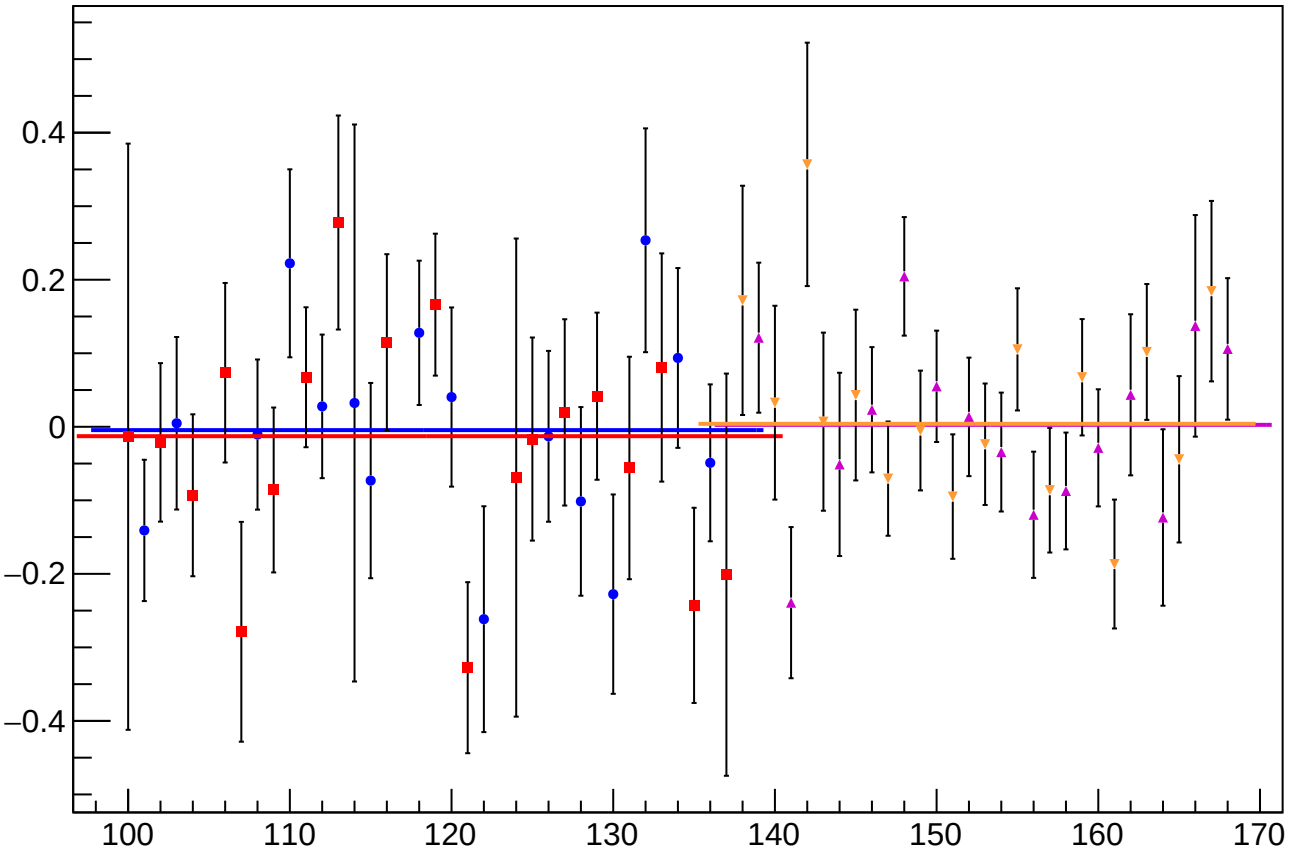
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 80.762+/-0.017 χ^2/NDF:446307.8/14

+ sign 80.400+/-0.013 χ^2/NDF: 1256045.5/31

All: 79.999+/-0.009 χ^2/NDF: 2112811.4/65

- sign 79.610+/-0.013 χ^2/NDF: 854979.5/33



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

Left Out: 0.004+/-0.024 χ^2/NDF:19.7/15

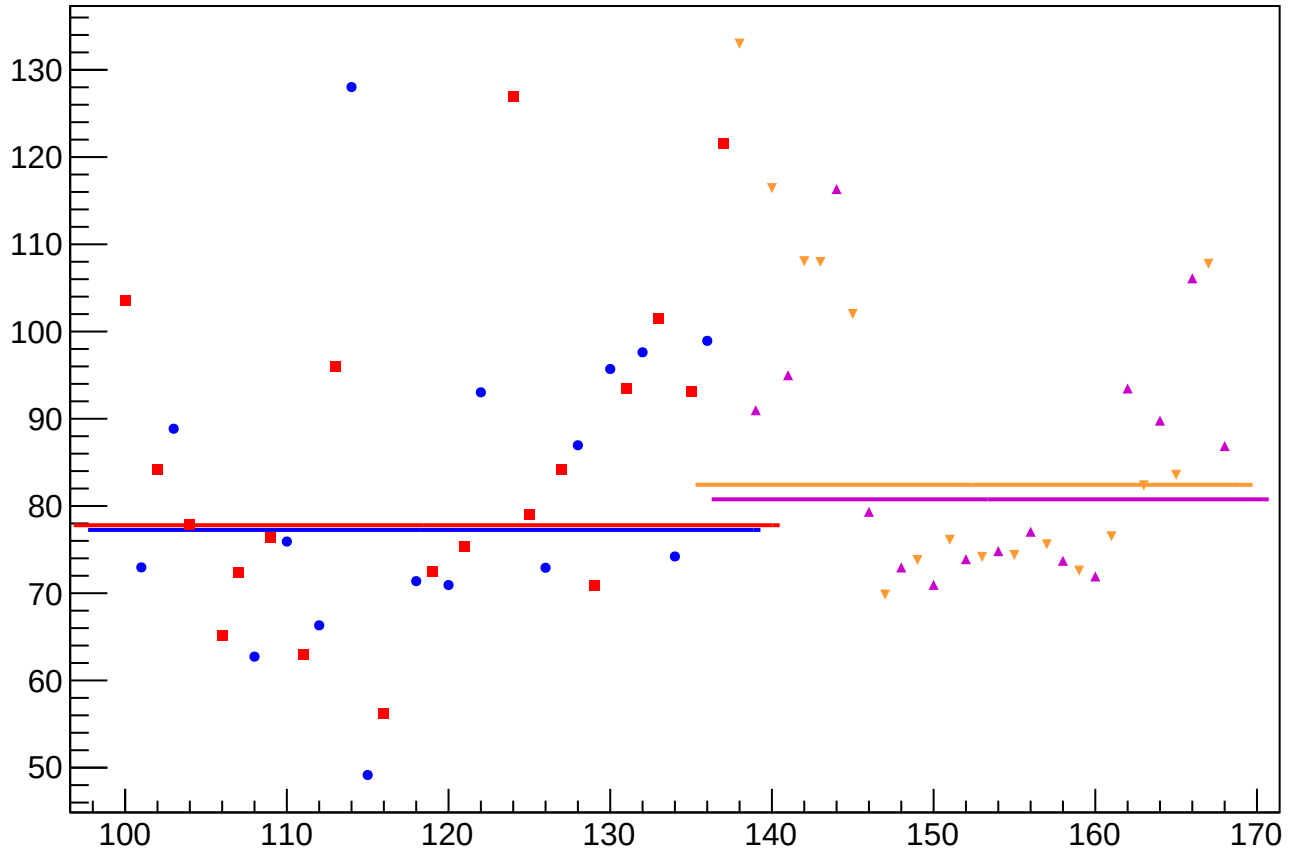
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.003+/-0.024 χ^2/NDF:20.8/14

+ sign 0.001+/-0.019 χ^2/NDF: 37.1/31

All: -0.001+/-0.013 χ^2/NDF: 83.5/65

- sign -0.003+/-0.019 χ^2/NDF: 46.4/33



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

Left Out: 82.427+/-0.017 χ^2/NDF:800785.1/15

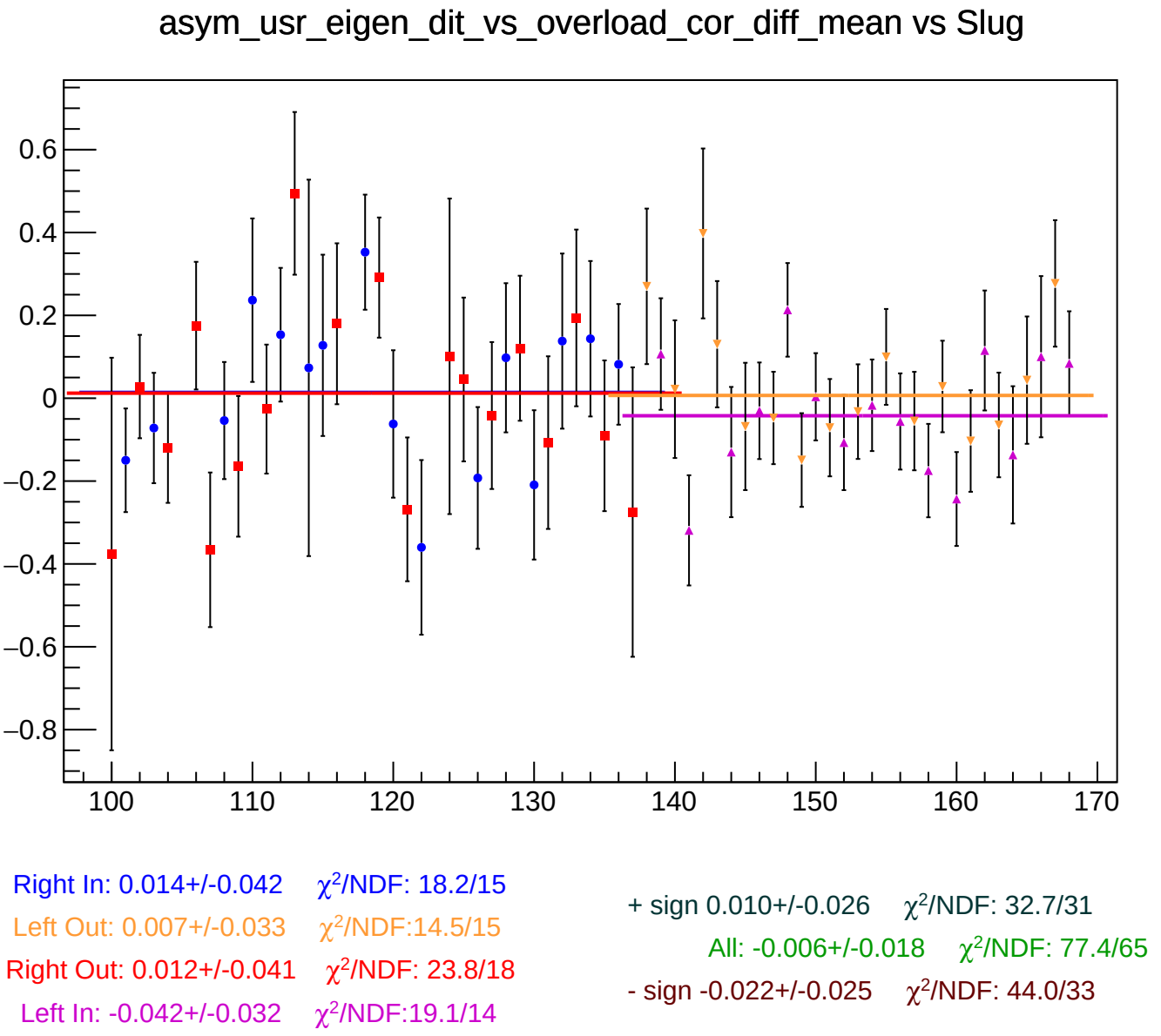
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

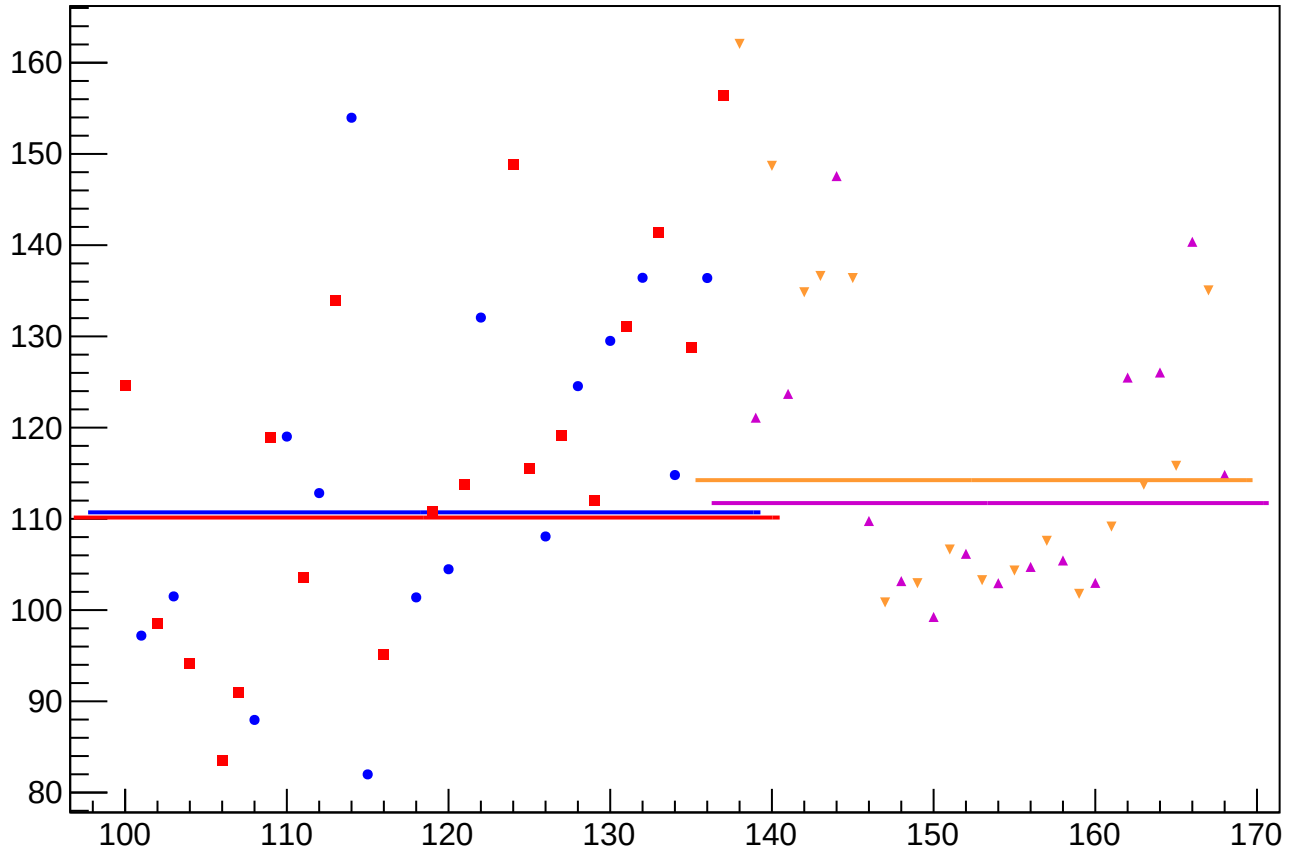
Left In: 80.762+/-0.017 χ^2/NDF:446307.8/14

+ sign 80.400+/-0.013 χ^2/NDF: 1256045.5/31

All: 79.999+/-0.009 χ^2/NDF: 2112811.4/65

- sign 79.610+/-0.013 χ^2/NDF: 854979.5/33


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.007+/-0.033 χ²/NDF:14.5/15
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.042+/-0.032 χ²/NDF:19.1/14
+ sign 0.010+/-0.026 χ²/NDF: 32.7/31
All: -0.006+/-0.018 χ²/NDF: 77.4/65
- sign -0.022+/-0.025 χ²/NDF: 44.0/33



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

Left Out: 114.242+/-0.023 χ^2/NDF:483404.0/15

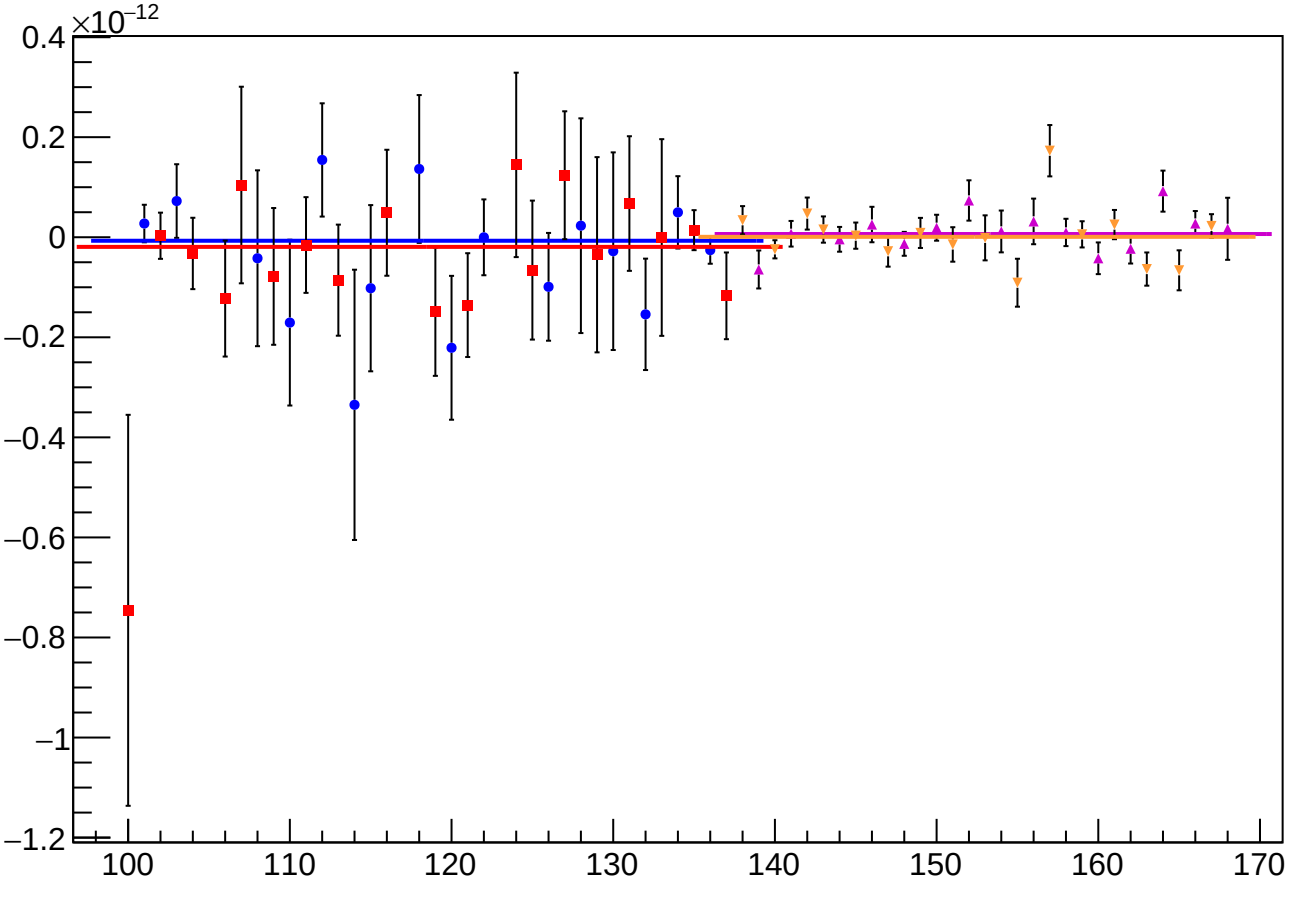
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 111.729+/-0.023 χ^2/NDF:290139.4/14

+ sign 112.910+/-0.018 χ^2/NDF: 792030.0/31

All: 112.001+/-0.013 χ^2/NDF: 1415502.2/65

- sign 111.127+/-0.018 χ^2/NDF: 618660.9/33



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

Left Out: 0.000+/-0.000 χ^2/NDF:29.9/15

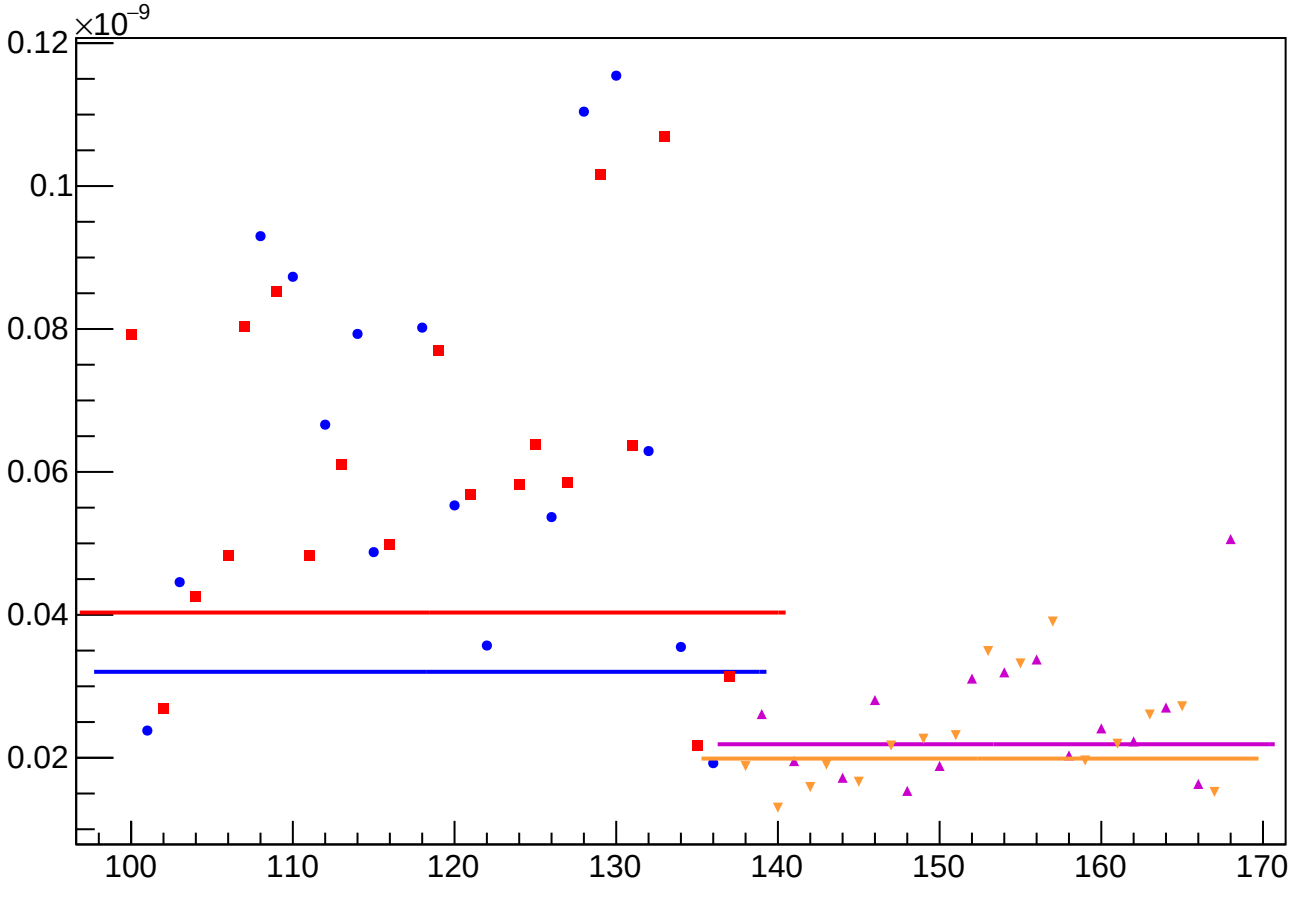
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.4/14

+ sign -0.000+/-0.000 χ^2/NDF: 43.7/31

All: 0.000+/-0.000 χ^2/NDF: 74.1/65

- sign 0.000+/-0.000 χ^2/NDF: 30.3/33



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

Left Out: 0.000+/-0.000 χ^2/NDF:1278115.0/15

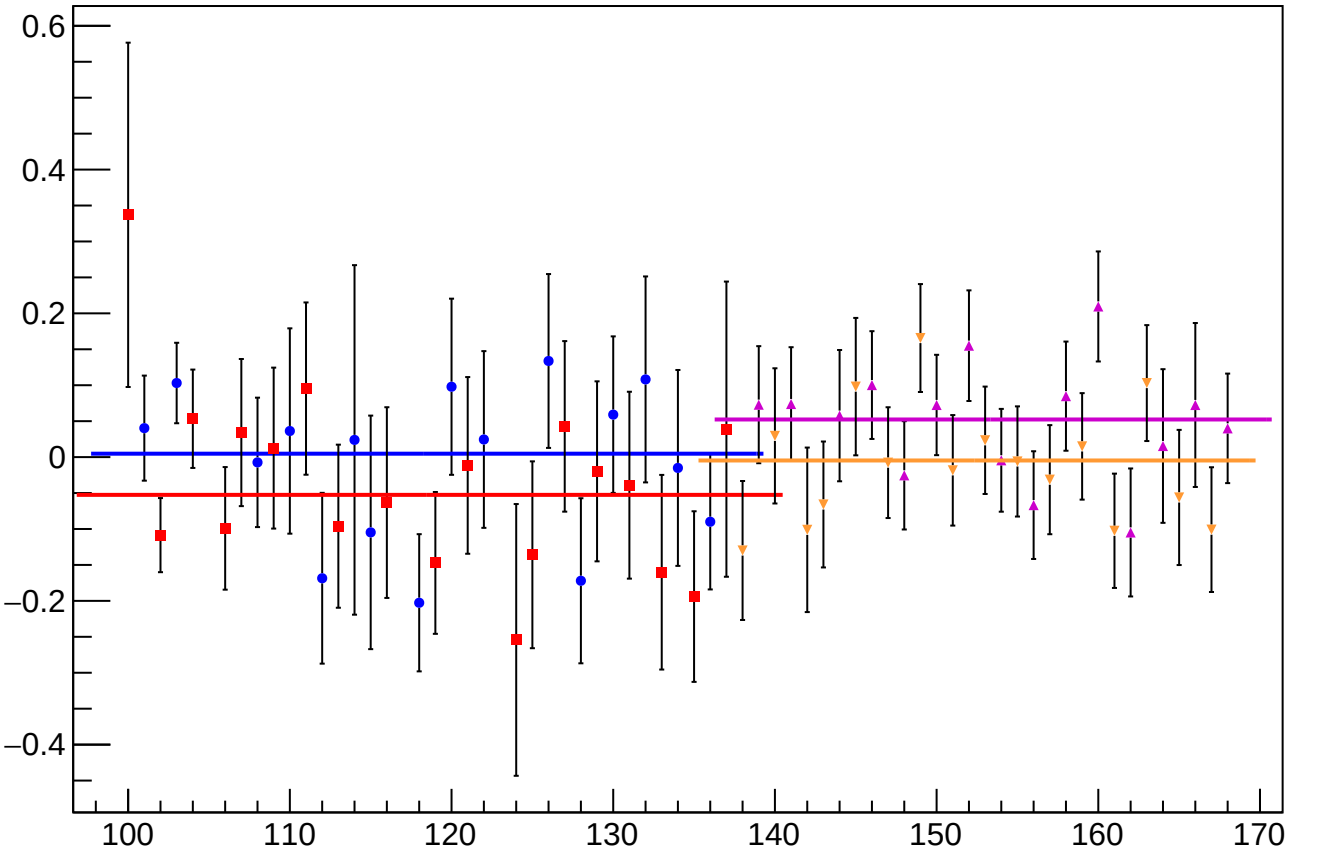
Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1281859.6/14

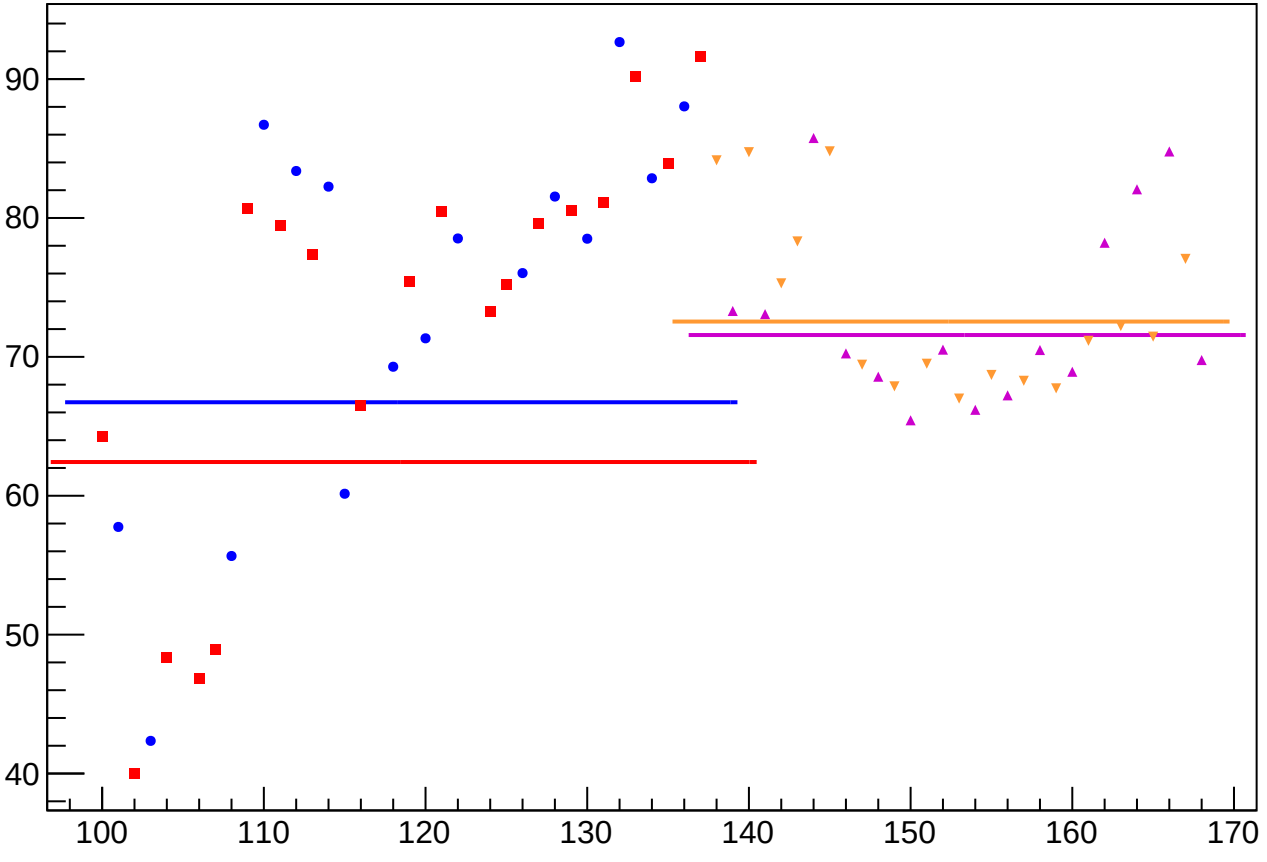
+ sign 0.000+/-0.000 χ^2/NDF: 4523122.6/31

All: 0.000+/-0.000 χ^2/NDF: 9131364.9/65

- sign 0.000+/-0.000 χ^2/NDF: 4478582.6/33


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: -0.005+/-0.021 χ²/NDF:14.5/15
Right Out: -0.053+/-0.024 χ²/NDF: 14.8/18
Left In: 0.052+/-0.021 χ²/NDF:14.3/14
+ sign -0.001+/-0.016 χ²/NDF: 31.2/31
All: 0.004+/-0.011 χ²/NDF: 71.4/65
- sign 0.008+/-0.016 χ²/NDF: 40.1/33

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.543+/-0.015 χ^2/NDF:156392.8/15

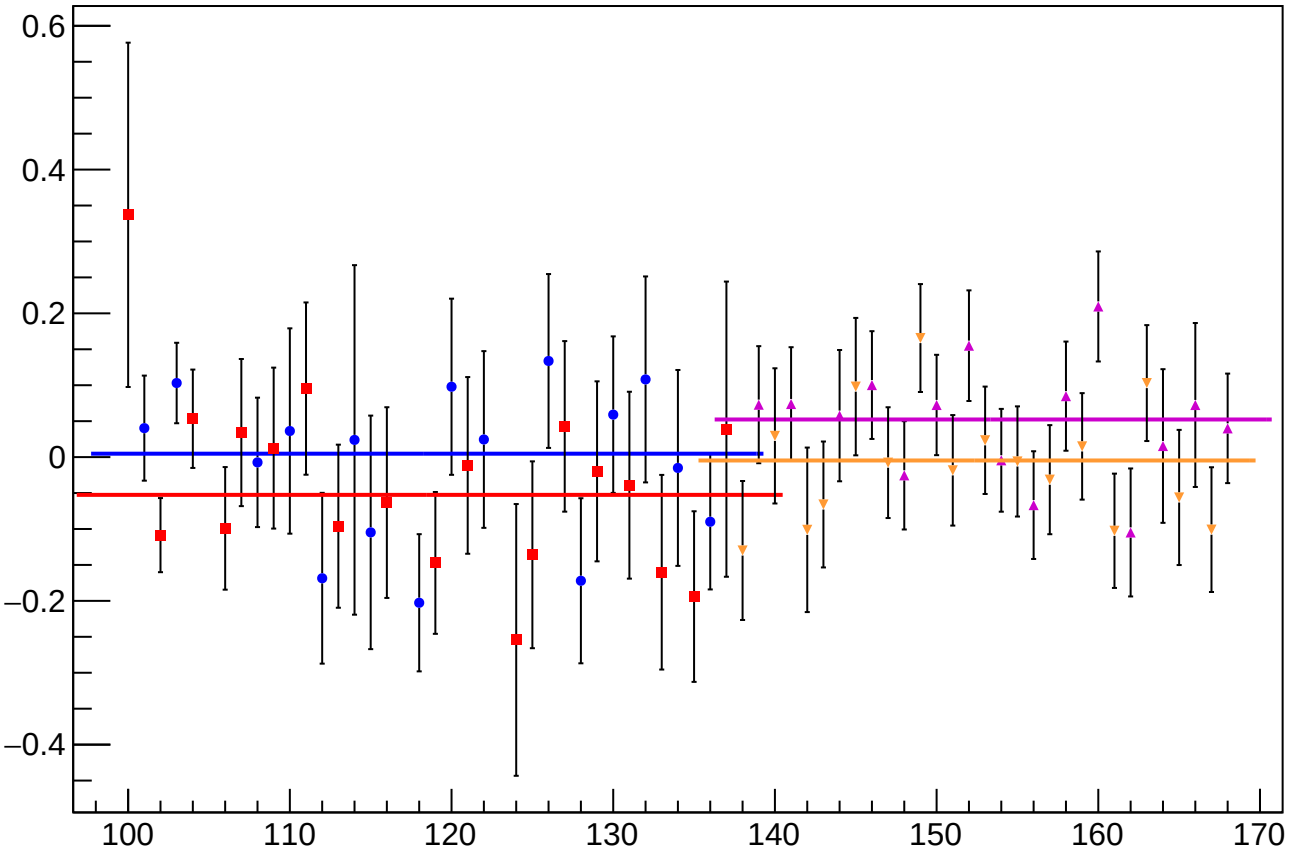
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.573+/-0.015 χ^2/NDF:148743.7/14

+ sign 70.266+/-0.011 χ^2/NDF: 1034372.0/31

All: 68.938+/-0.008 χ^2/NDF: 2489137.1/65

- sign 67.694+/-0.011 χ^2/NDF: 1428766.5/33



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

Left Out: -0.005+/-0.021 χ^2/NDF:14.5/15

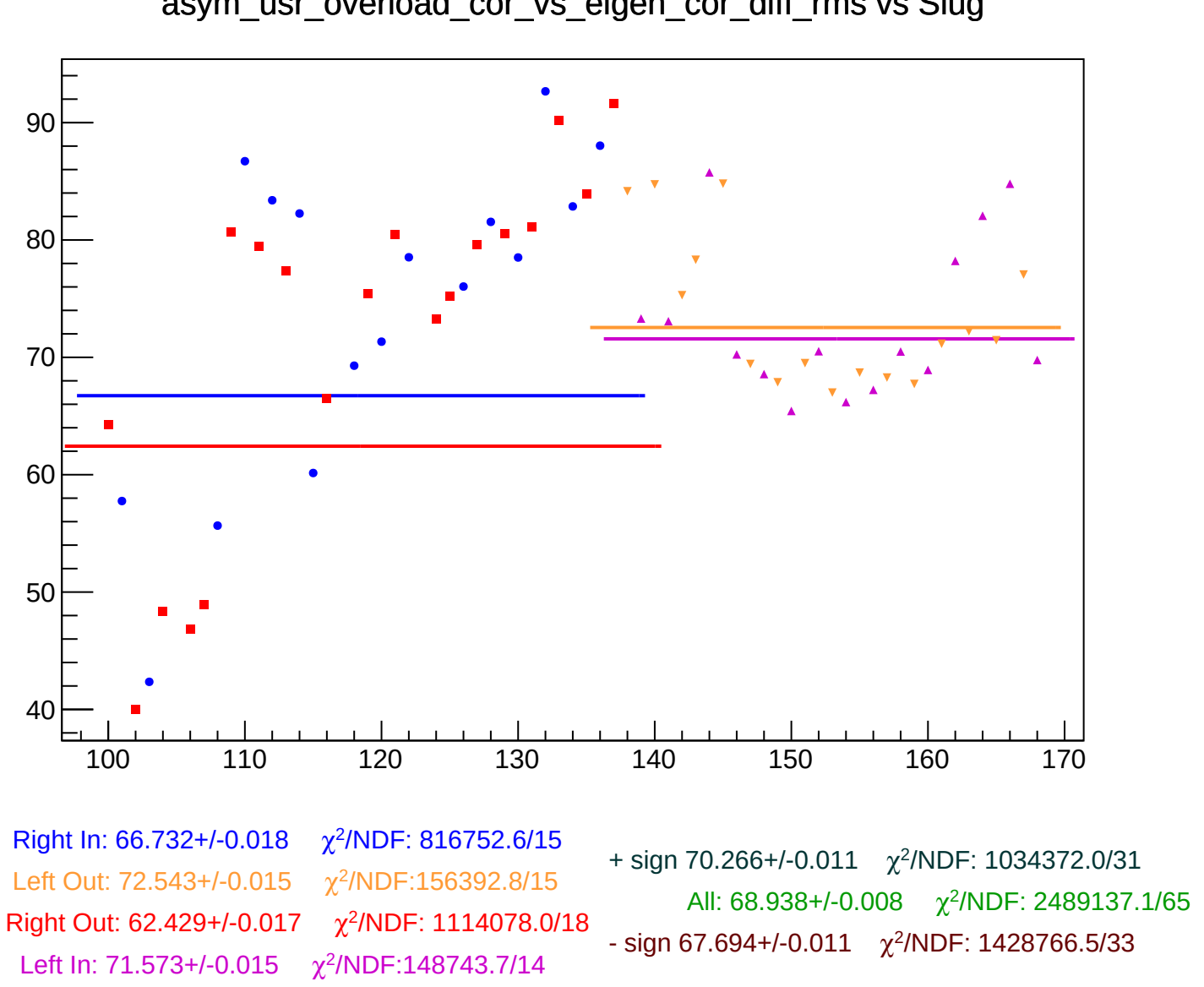
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.052+/-0.021 χ^2/NDF:14.3/14

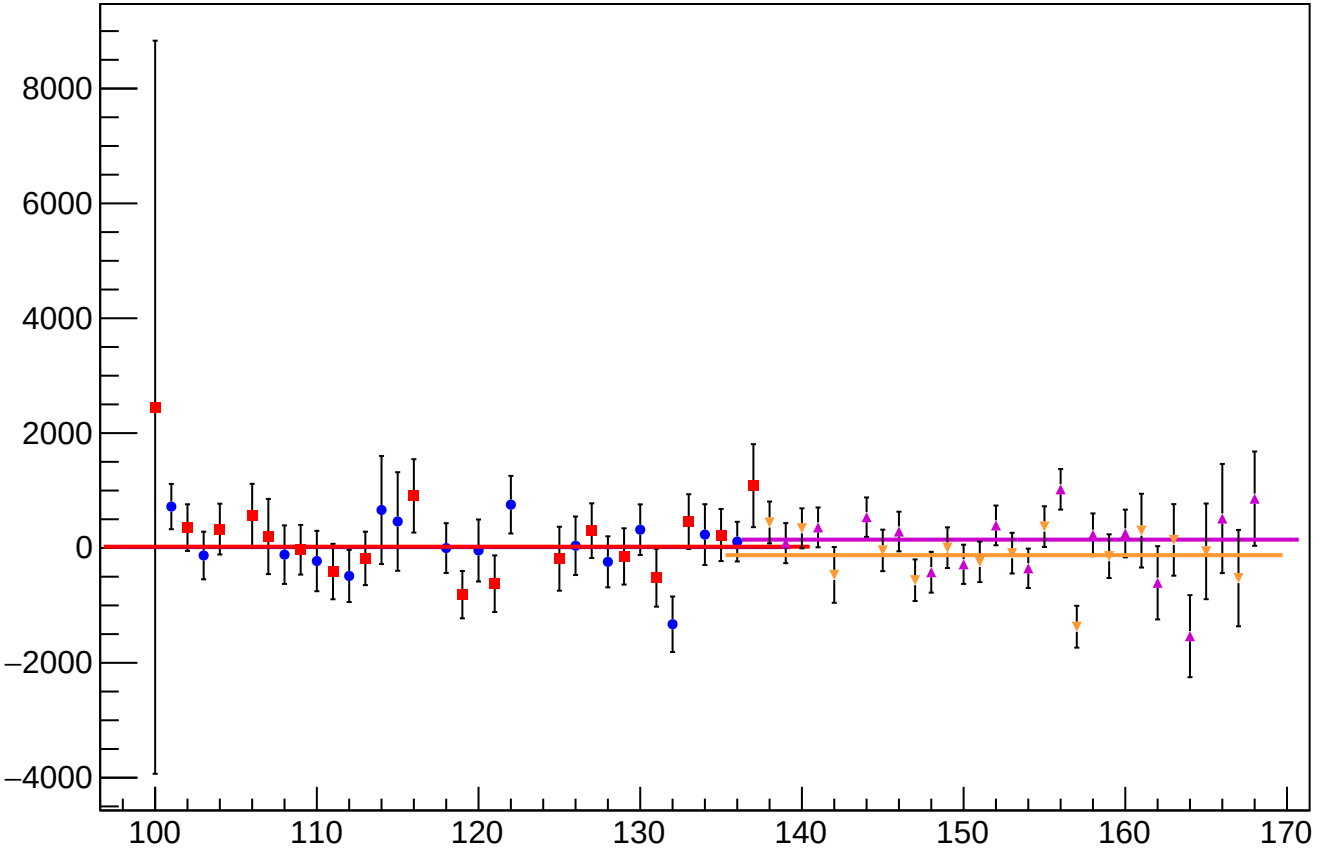
+ sign -0.001+/-0.016 χ^2/NDF: 31.2/31

All: 0.004+/-0.011 χ^2/NDF: 71.4/65

- sign 0.008+/-0.016 χ^2/NDF: 40.1/33


asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
150
160
170
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 72.543+/-0.015 χ²/NDF:156392.8/15
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 71.573+/-0.015 χ²/NDF:148743.7/14
+ sign 70.266+/-0.011 χ²/NDF: 1034372.0/31
All: 68.938+/-0.008 χ²/NDF: 2489137.1/65
- sign 67.694+/-0.011 χ²/NDF: 1428766.5/33

asym_dsl_mean vs Slug



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

Left Out: -124.491+/-105.632 χ^2/NDF:21.1/14

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

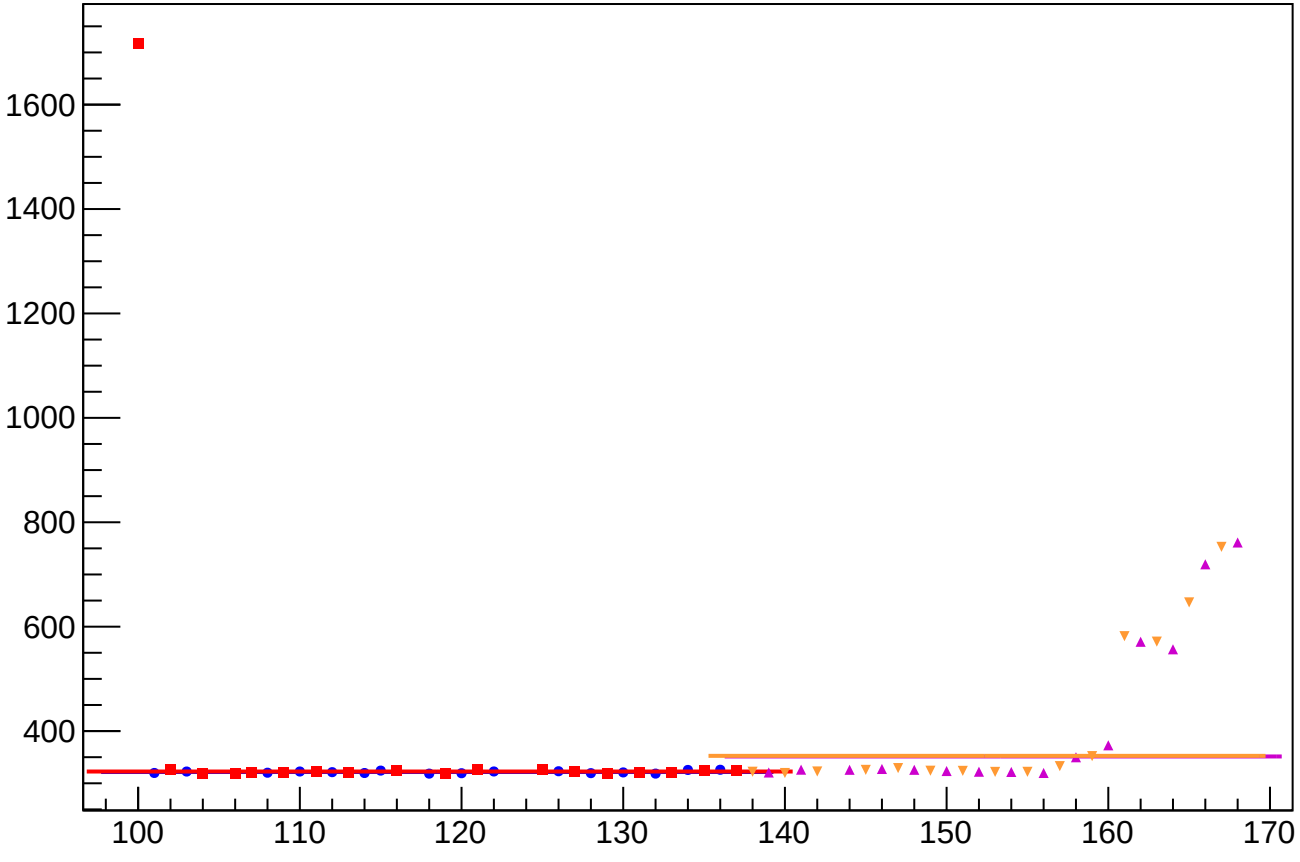
Left In: 145.291+/-102.675 χ^2/NDF:22.8/14

\+ sign -63.039+/-79.124 χ^2/NDF: 38.4/30

All: 16.221+/-55.474 χ^2/NDF: 79.7/63

\- sign 92.845+/-77.797 χ^2/NDF: 39.4/32

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 352.558+/-0.075 χ^2/NDF:1326760.3/14

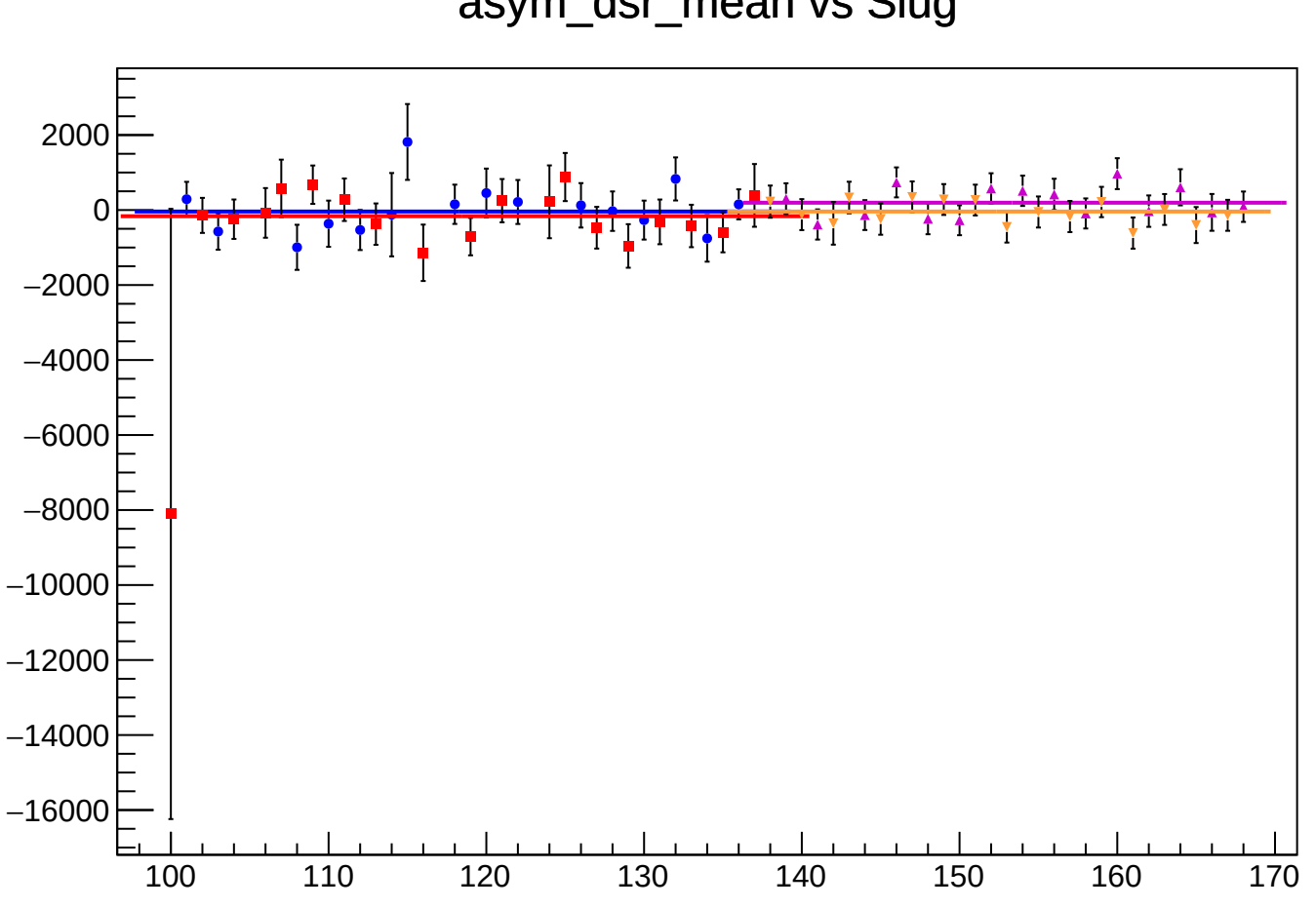
Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 351.394+/-0.073 χ^2/NDF:1322378.5/14

+ sign 338.972+/-0.056 χ^2/NDF: 1402961.5/30

All: 339.042+/-0.039 χ^2/NDF: 2889443.3/63

- sign 339.111+/-0.055 χ^2/NDF: 1486478.6/32



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

Left Out: -39.441+/-106.118 χ^2/NDF:7.8/15

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

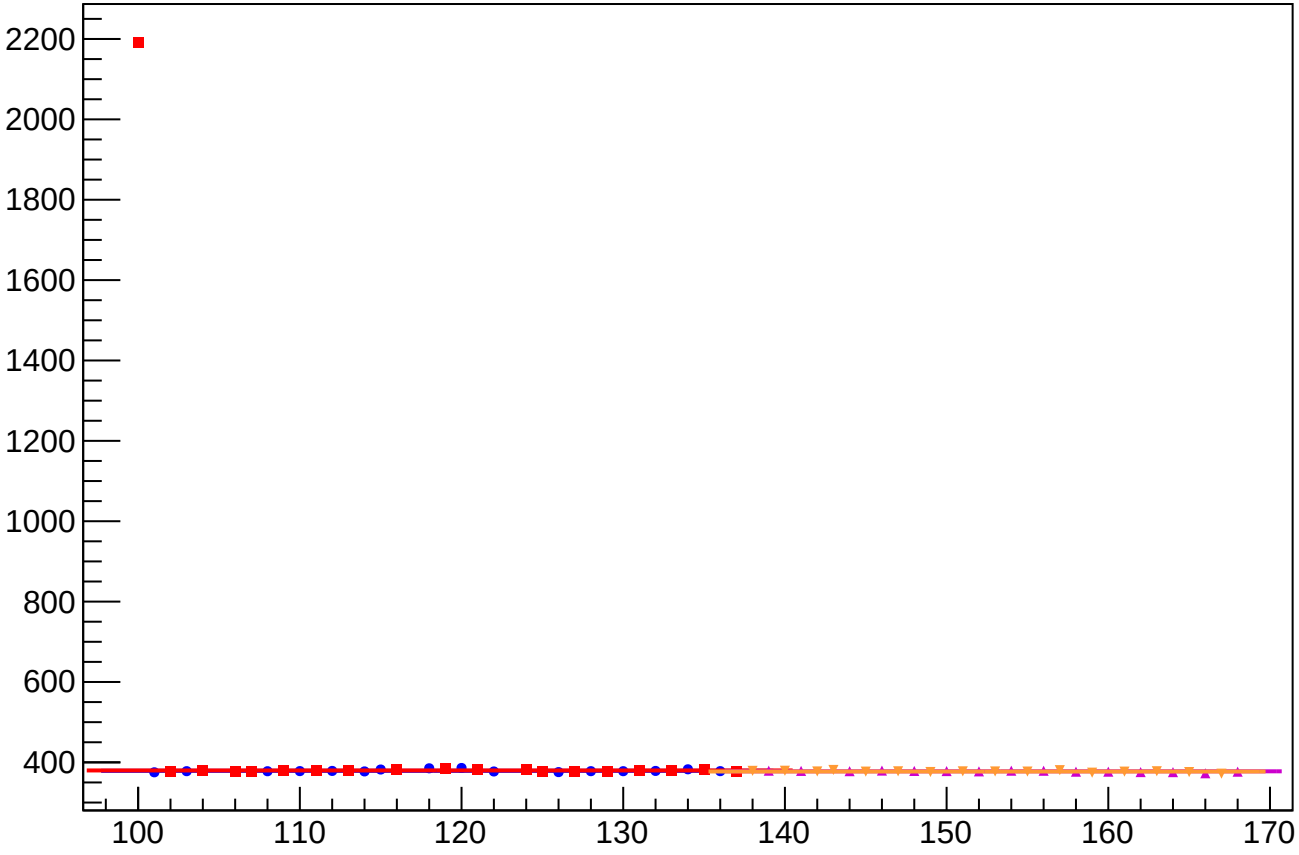
Left In: 195.145+/-107.216 χ^2/NDF:14.3/14

+ sign -39.250+/-84.727 χ^2/NDF: 21.5/31

All: 10.726+/-59.967 χ^2/NDF: 55.8/65

- sign 60.891+/-84.887 χ^2/NDF: 33.6/33

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.260+/-0.075 χ^2/NDF:856.4/15

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

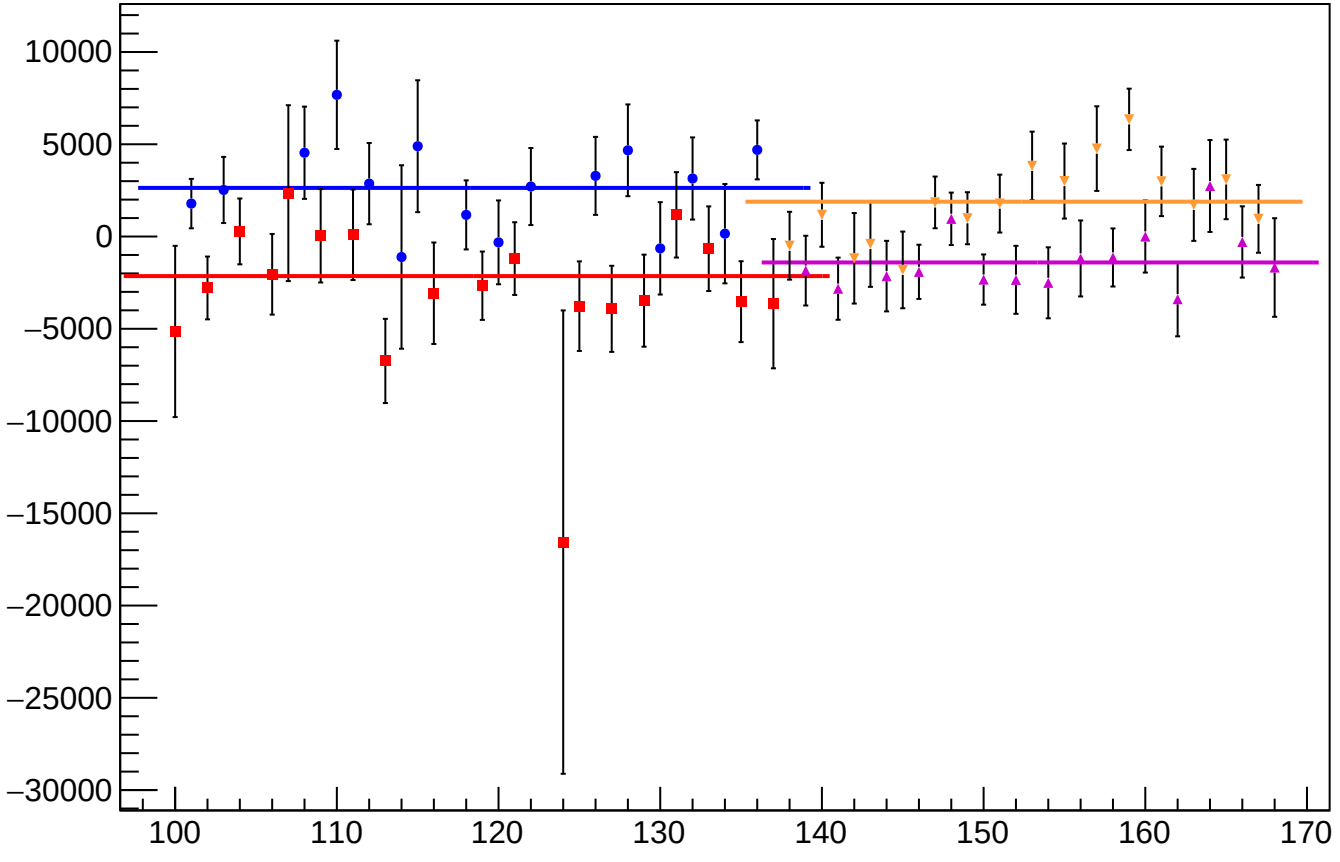
Left In: 377.721+/-0.076 χ^2/NDF:457.7/14

+ sign 377.858+/-0.060 χ^2/NDF: 1882.9/31

All: 378.191+/-0.042 χ^2/NDF: 102326.0/65

- sign 378.526+/-0.060 χ^2/NDF: 100381.1/33

asym_us_agg_avg_mean vs Slug



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

Left Out: 1887.686+/-457.848 χ^2/NDF:19.0/15

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

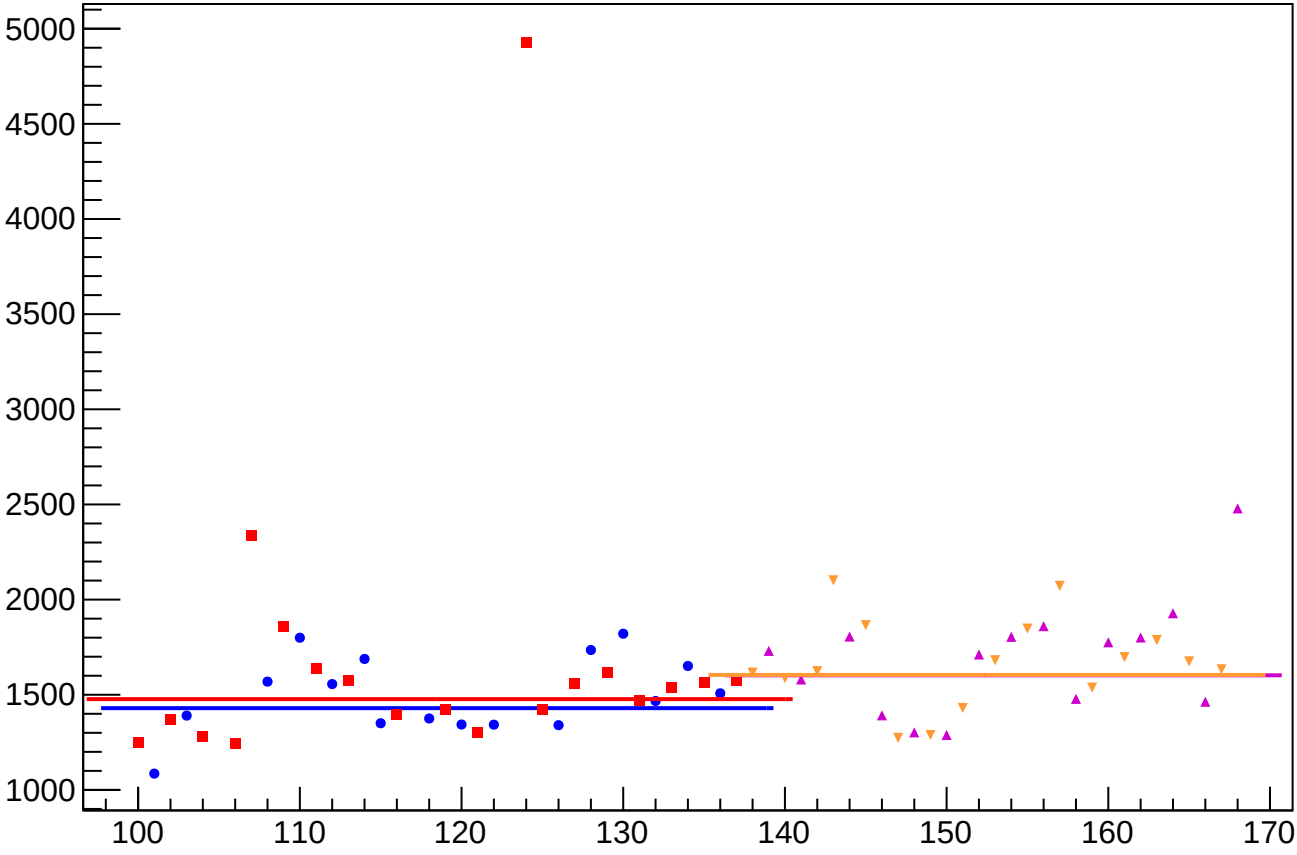
Left In: -1405.693+/-461.940 χ^2/NDF:9.5/14

+ sign 2201.725+/-348.686 χ^2/NDF: 32.4/31

All: 267.818+/-248.041 χ^2/NDF: 120.3/65

- sign -1713.303+/-352.917 χ^2/NDF: 25.6/33

asym_us_agg_avg_rms vs Slug



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

Left Out: 1604.254+/-0.324 χ^2/NDF:503477.7/15

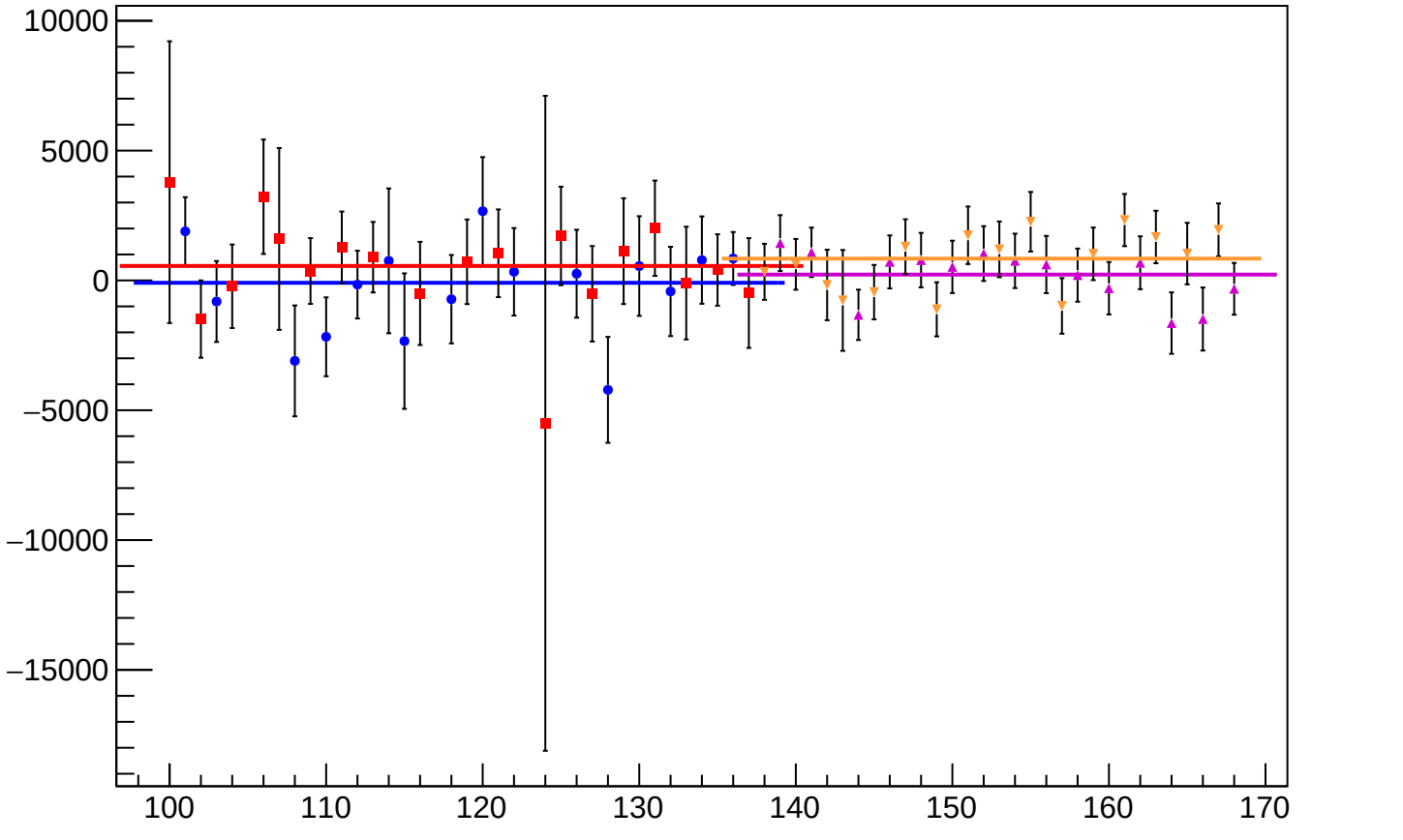
Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1602.232+/-0.327 χ^2/NDF:636598.2/14

+ sign 1530.922+/-0.247 χ^2/NDF: 919026.0/31

All: 1540.419+/-0.175 χ^2/NDF: 1989130.3/65

- sign 1550.147+/-0.250 χ^2/NDF: 1067100.9/33



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

Left Out: 839.773+/-273.418 χ^2/NDF:16.0/15

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

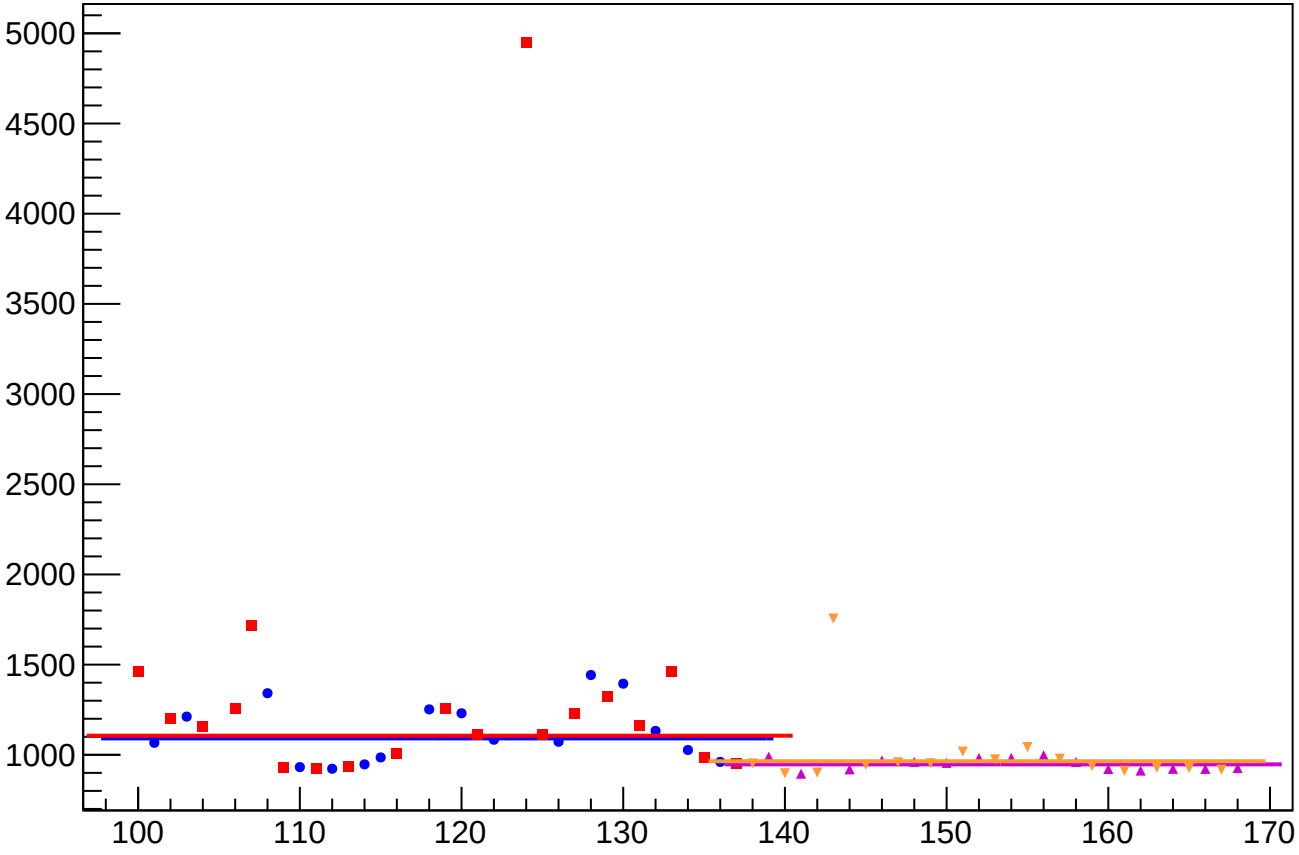
Left In: 224.310+/-269.032 χ^2/NDF:11.5/14

+ sign 553.124+/-227.468 χ^2/NDF: 34.1/31

All: 437.357+/-160.019 χ^2/NDF: 53.3/65

- sign 323.936+/-225.153 χ^2/NDF: 18.7/33

asym_us_agg_dd_rms vs Slug



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

Left Out: 964.480+/-0.193 χ^2/NDF:376444.3/15

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

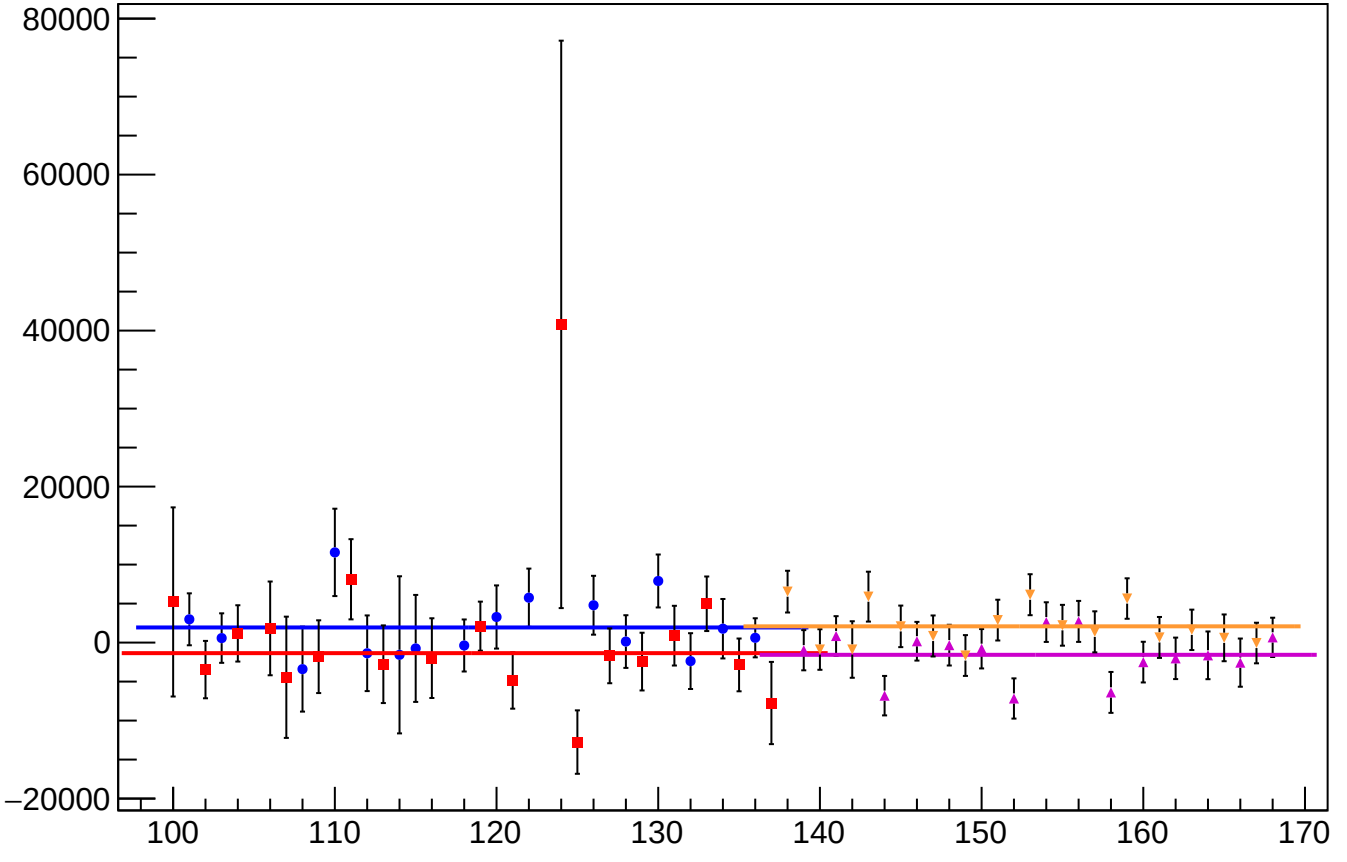
Left In: 947.119+/-0.190 χ^2/NDF:27527.5/14

+ sign 1003.444+/-0.161 χ^2/NDF: 785678.2/31

All: 999.044+/-0.113 χ^2/NDF: 1537886.5/65

- sign 994.733+/-0.159 χ^2/NDF: 750726.8/33

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2082.903+/-677.812 χ^2/NDF:14.1/15

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

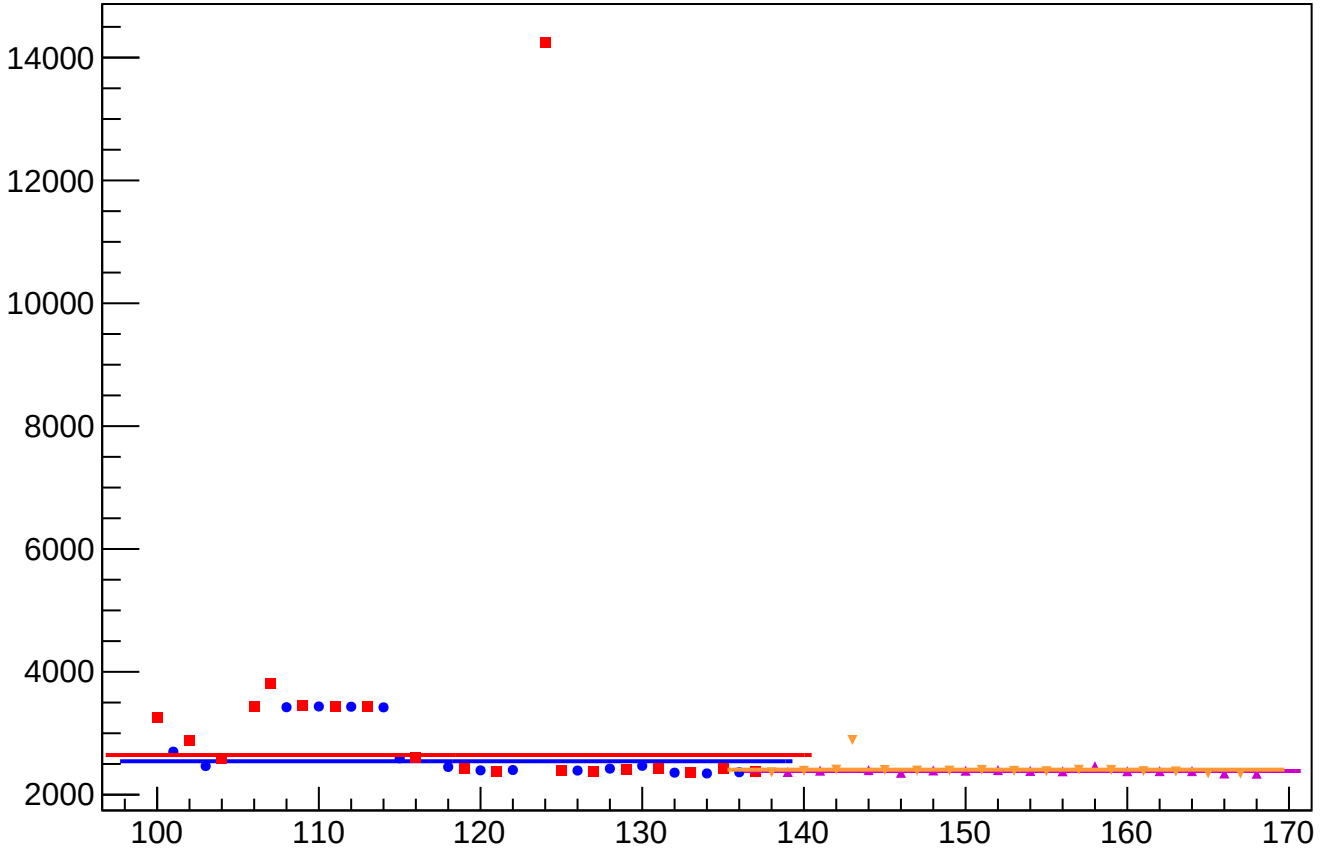
Left In: -1569.206+/-677.181 χ^2/NDF:20.6/14

+ sign 2034.751+/-552.262 χ^2/NDF: 26.4/31

All: 285.815+/-392.538 χ^2/NDF: 89.0/65

- sign -1499.963+/-558.049 χ^2/NDF: 42.4/33

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2407.432+/-0.479 χ^2/NDF:49150.2/15

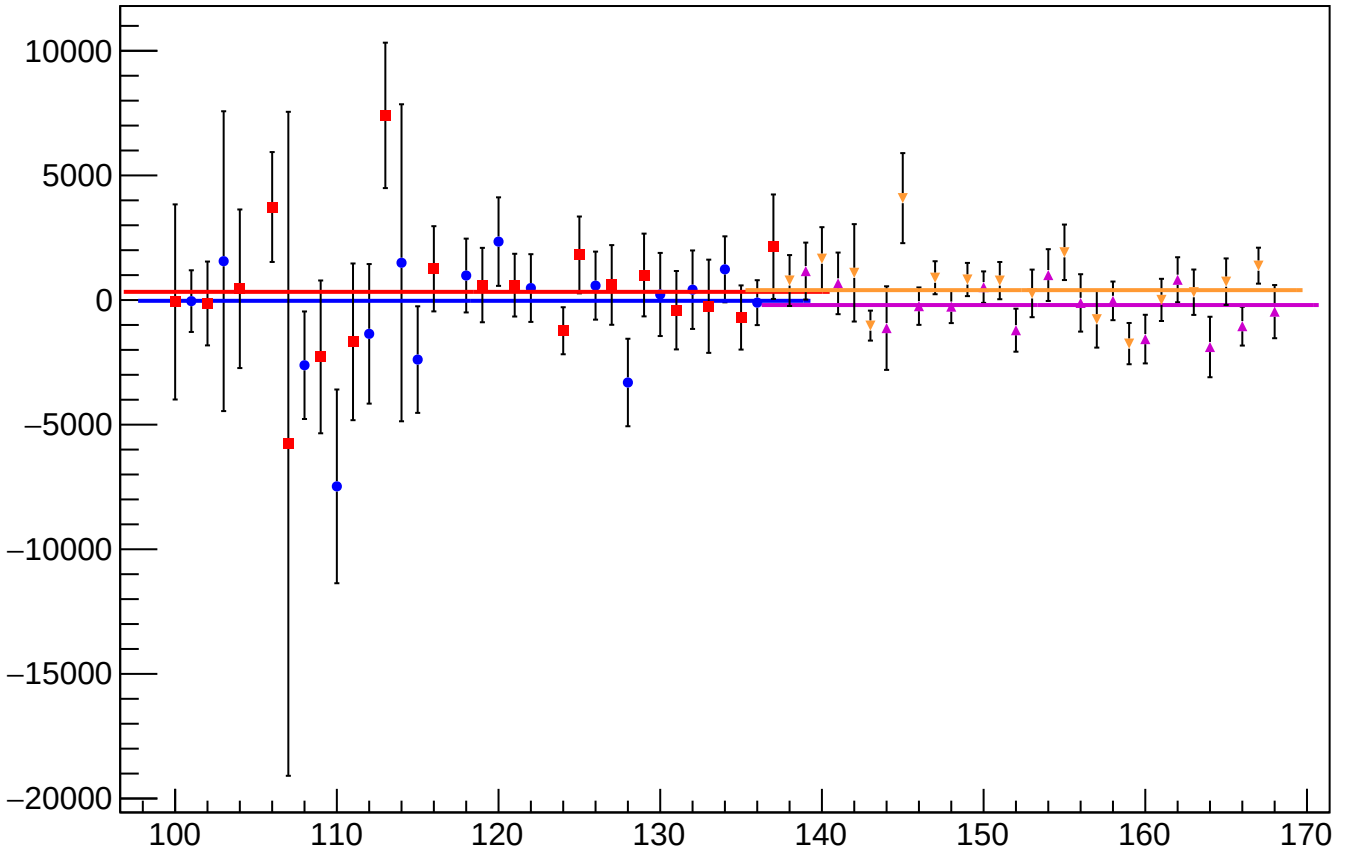
Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2385.700+/-0.479 χ^2/NDF:3266.4/14

+ sign 2453.478+/-0.391 χ^2/NDF: 302222.9/31

All: 2461.216+/-0.278 χ^2/NDF: 937818.7/65

- sign 2469.116+/-0.395 χ^2/NDF: 634802.4/33



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 397.085+/-217.955 χ^2/NDF:24.1/15

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

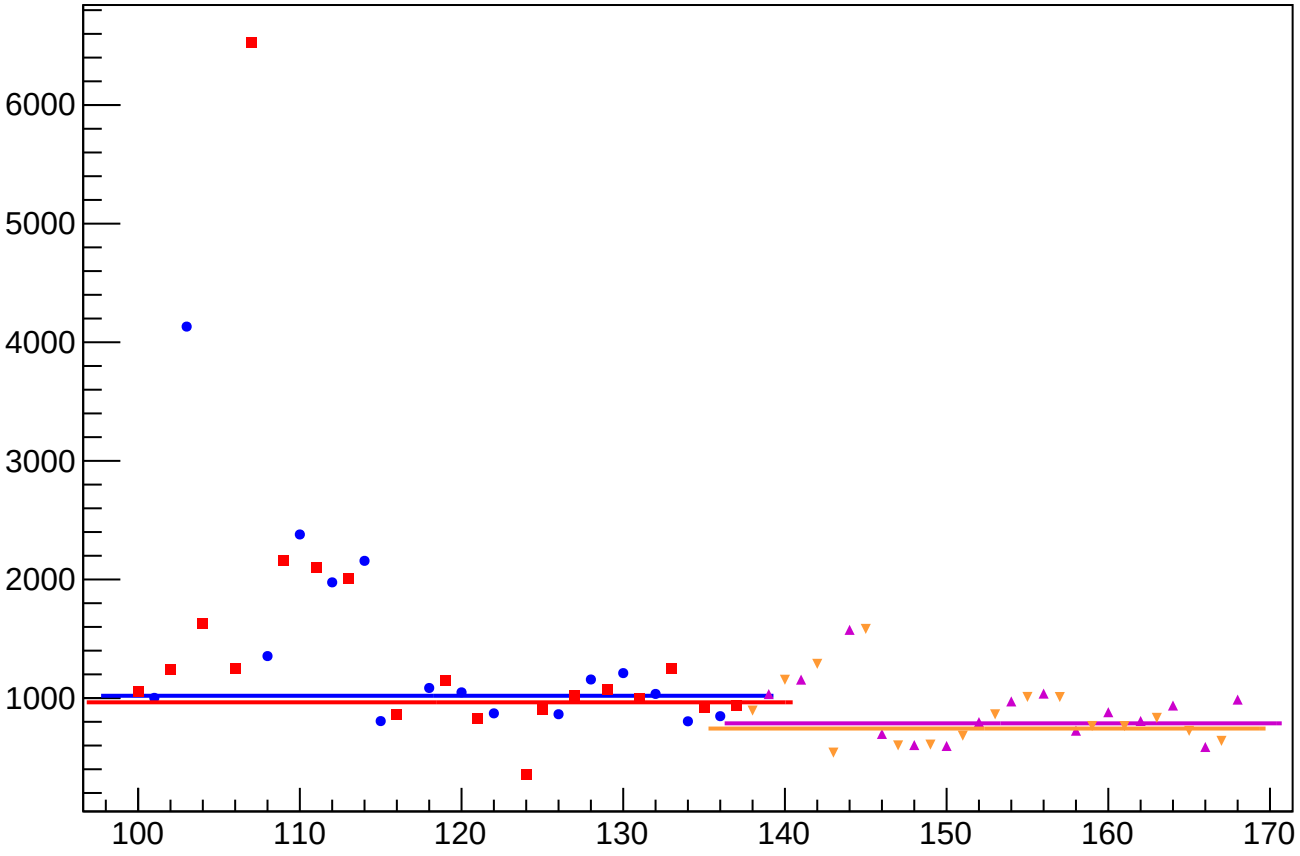
Left In: -200.752+/-232.378 χ^2/NDF:12.7/14

+ sign 301.171+/-192.004 χ^2/NDF: 38.8/31

All: 125.522+/-138.756 χ^2/NDF: 70.2/65

- sign -66.492+/-200.750 χ^2/NDF: 29.6/33

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 743.272+/-0.154 χ^2/NDF:1579075.9/15

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

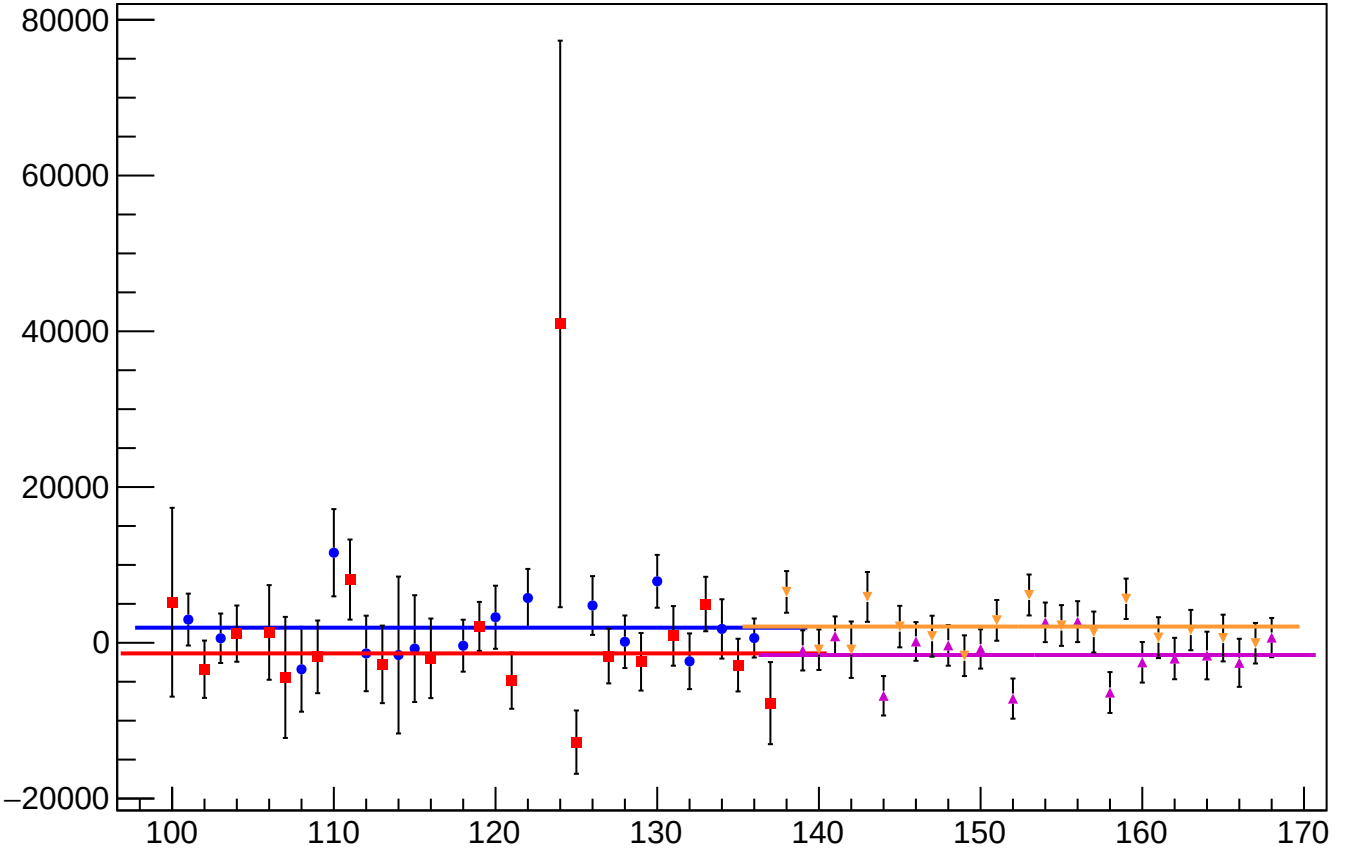
Left In: 787.135+/-0.164 χ^2/NDF:1499531.8/14

\+ sign 805.139+/-0.136 χ^2/NDF: 3663367.7/31

All: 818.020+/-0.098 χ^2/NDF: 7786278.0/65

\- sign 832.100+/-0.142 χ^2/NDF: 4104070.4/33

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2082.861+/-677.812 χ^2/NDF:14.1/15

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

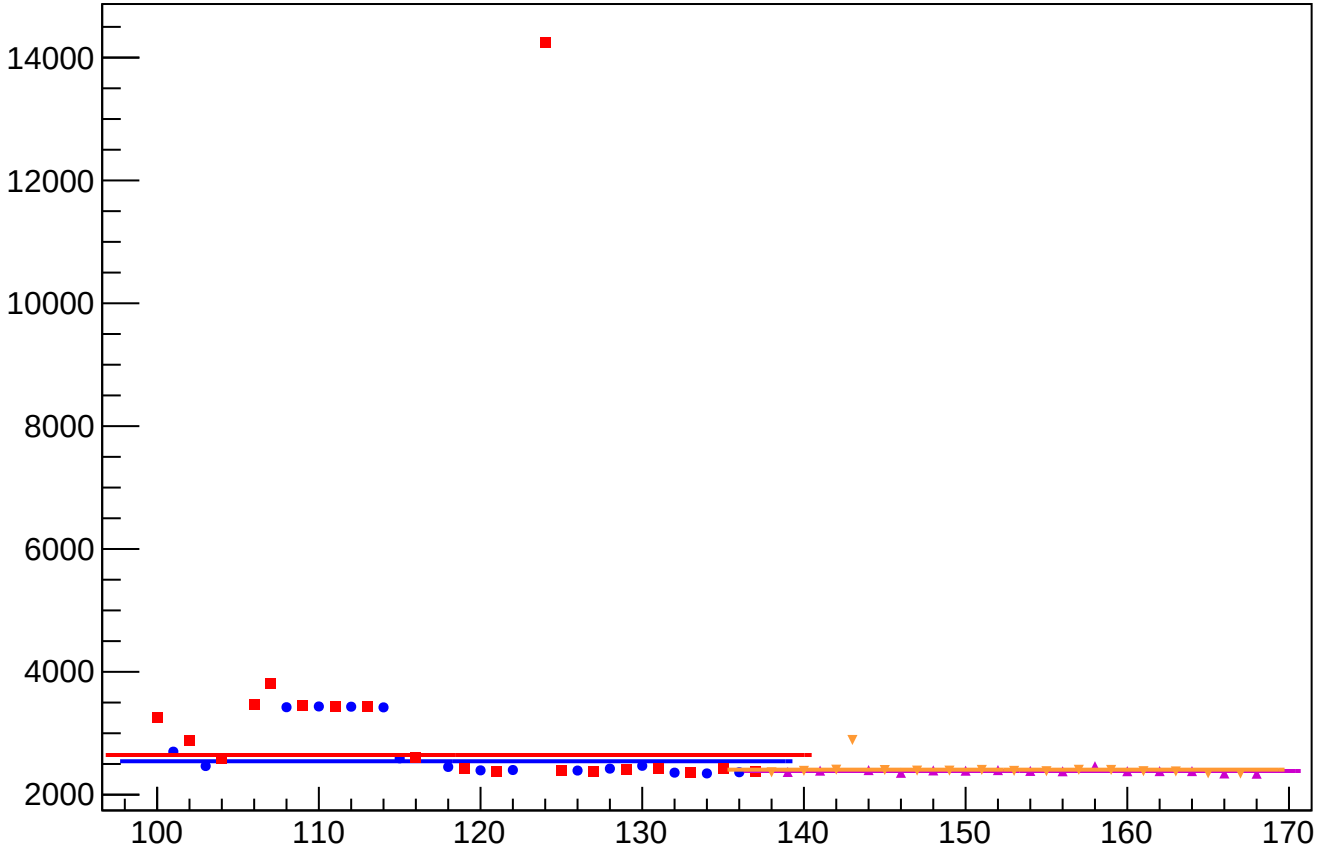
Left In: -1569.272+/-677.181 χ^2/NDF:20.6/14

+ sign 2034.841+/-552.262 χ^2/NDF: 26.4/31

All: 284.464+/-392.557 χ^2/NDF: 89.0/65

- sign -1503.136+/-558.104 χ^2/NDF: 42.3/33

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2407.432+/-0.479 χ^2/NDF:49150.2/15

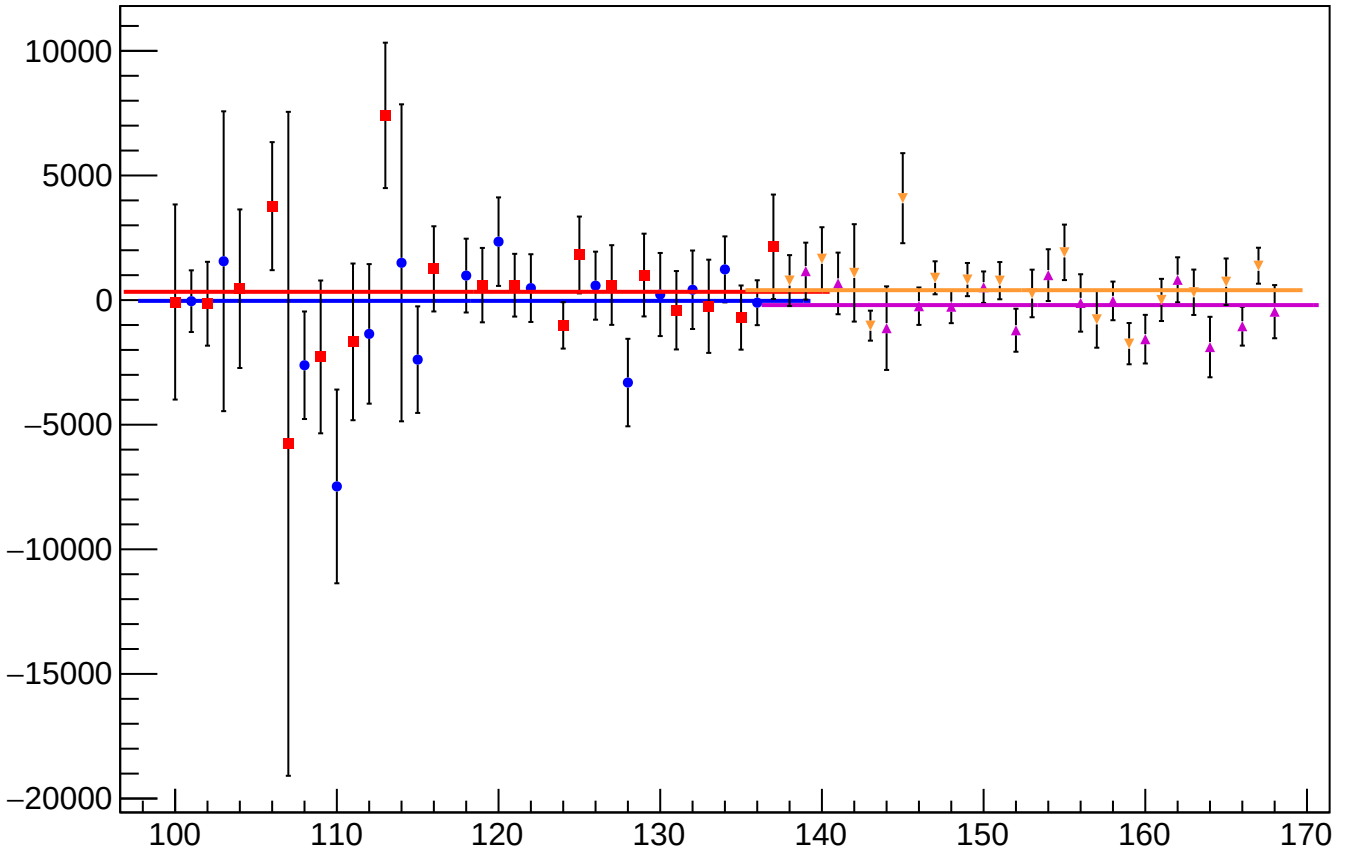
Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2385.700+/-0.479 χ^2/NDF:3266.4/14

+ sign 2453.478+/-0.391 χ^2/NDF: 302222.9/31

All: 2461.286+/-0.278 χ^2/NDF: 940780.7/65

- sign 2469.260+/-0.395 χ^2/NDF: 637749.8/33



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 397.075+/-217.957 χ^2/NDF:24.1/15

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

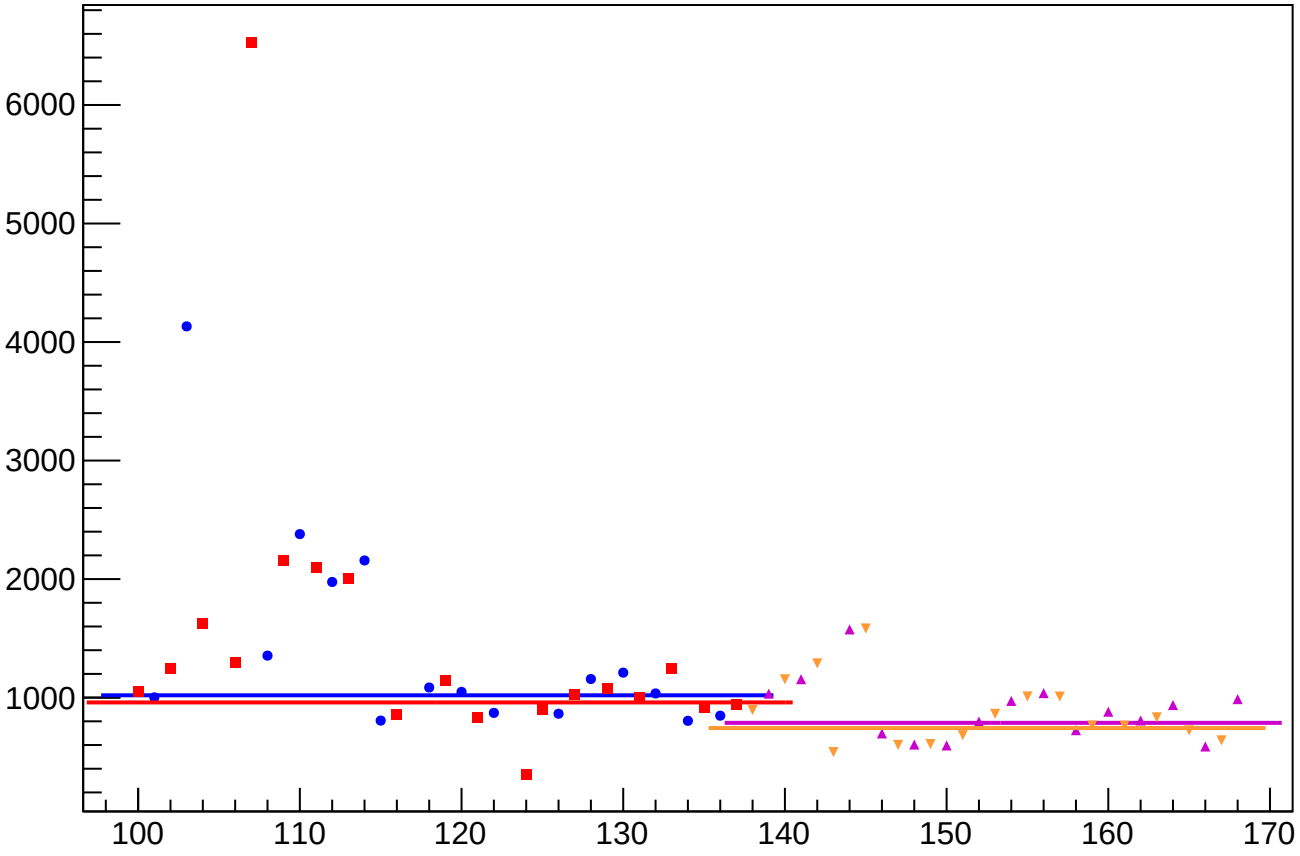
Left In: -200.802+/-232.379 χ^2/NDF:12.7/14

+ sign 301.147+/-192.006 χ^2/NDF: 38.8/31

All: 125.818+/-138.789 χ^2/NDF: 68.9/65

- sign -66.031+/-200.848 χ^2/NDF: 28.4/33

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 743.281+/-0.154 χ^2/NDF:1579085.1/15

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

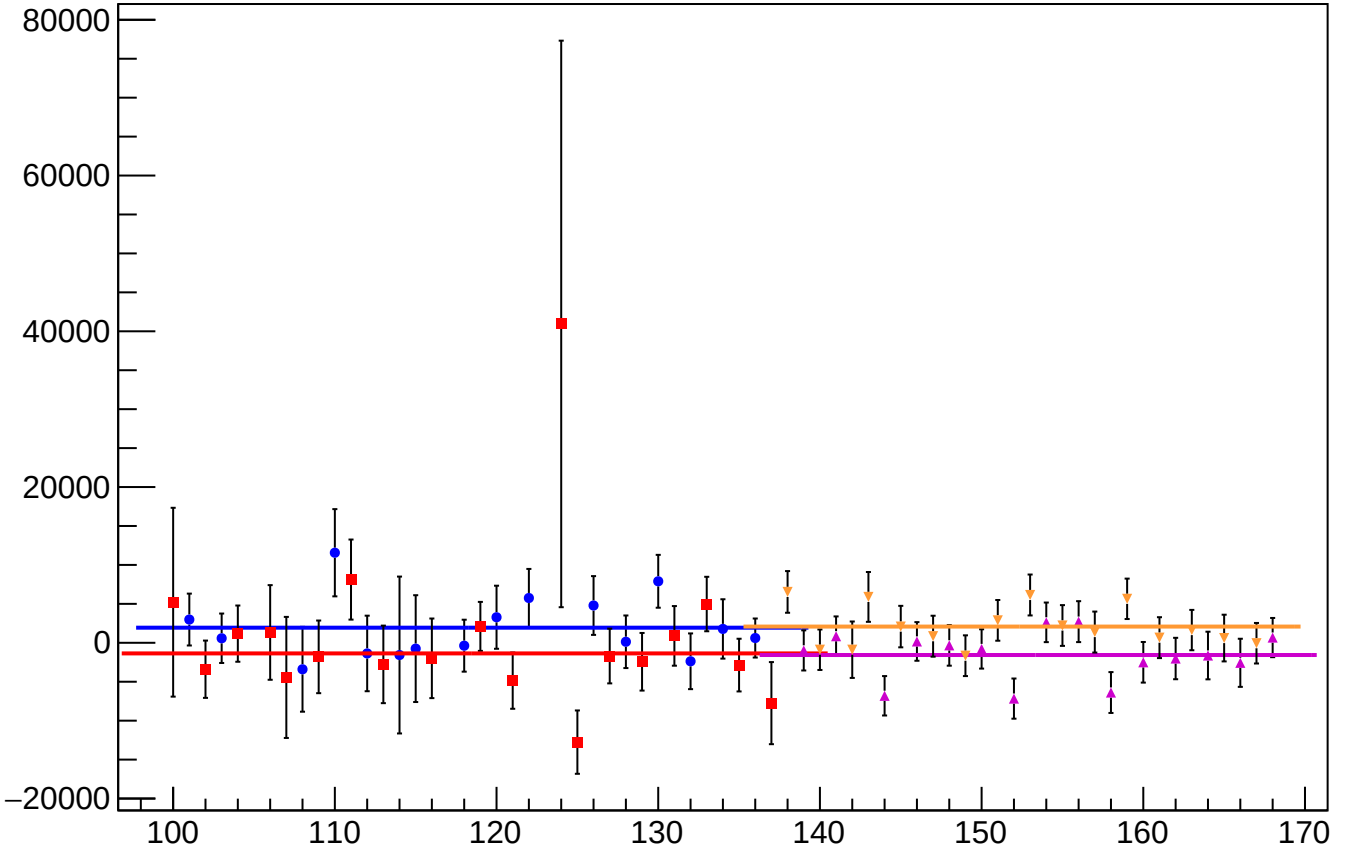
Left In: 787.133+/-0.164 χ^2/NDF:1499709.5/14

\+ sign 805.146+/-0.136 χ^2/NDF: 3663286.7/31

All: 817.346+/-0.098 χ^2/NDF: 7802199.8/65

\- sign 830.696+/-0.142 χ^2/NDF: 4122002.1/33

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2082.861+/-677.812 χ^2/NDF:14.1/15

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

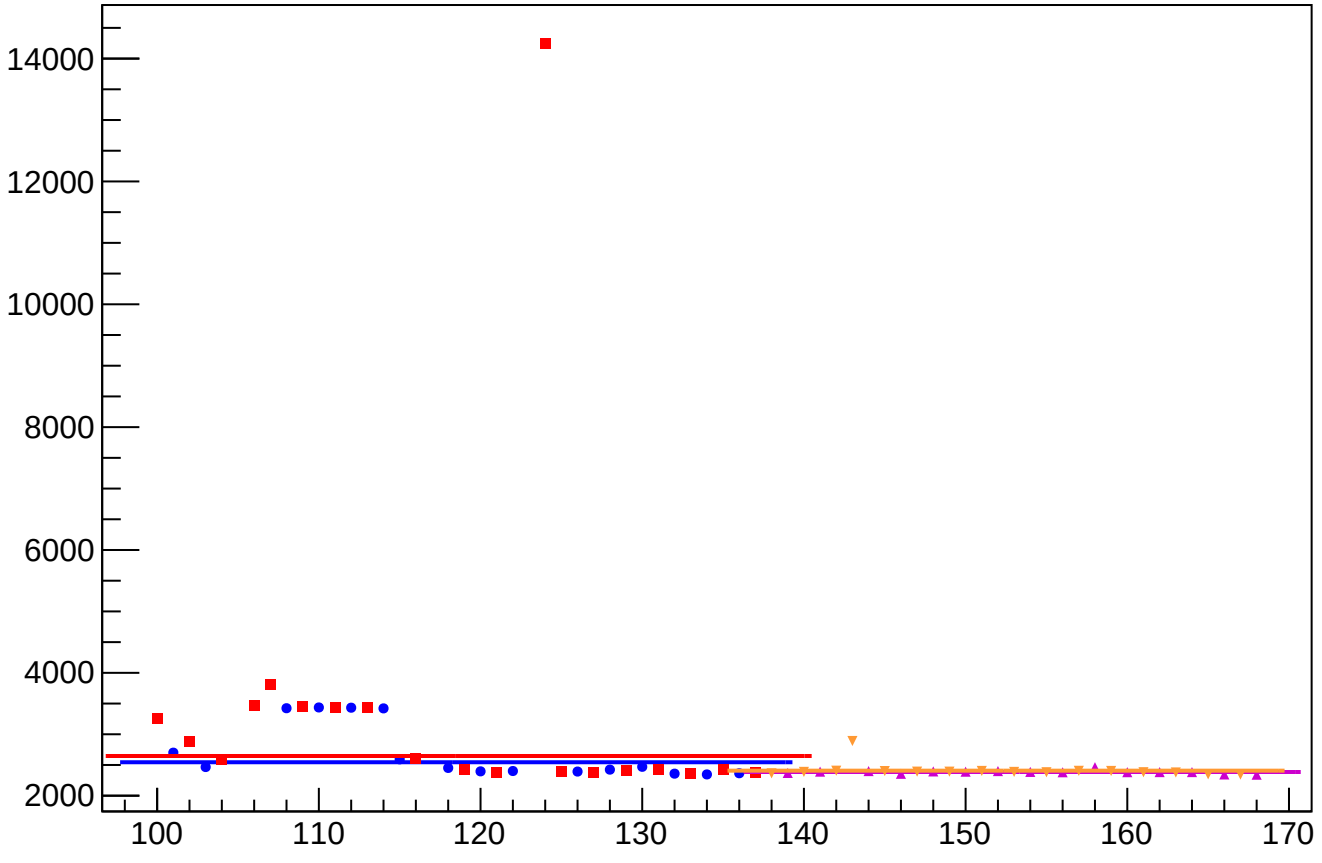
Left In: -1569.272+/-677.181 χ^2/NDF:20.6/14

+ sign 2034.841+/-552.262 χ^2/NDF: 26.4/31

All: 284.464+/-392.557 χ^2/NDF: 89.0/65

- sign -1503.136+/-558.104 χ^2/NDF: 42.3/33

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2407.432+/-0.479 χ^2/NDF:49150.2/15

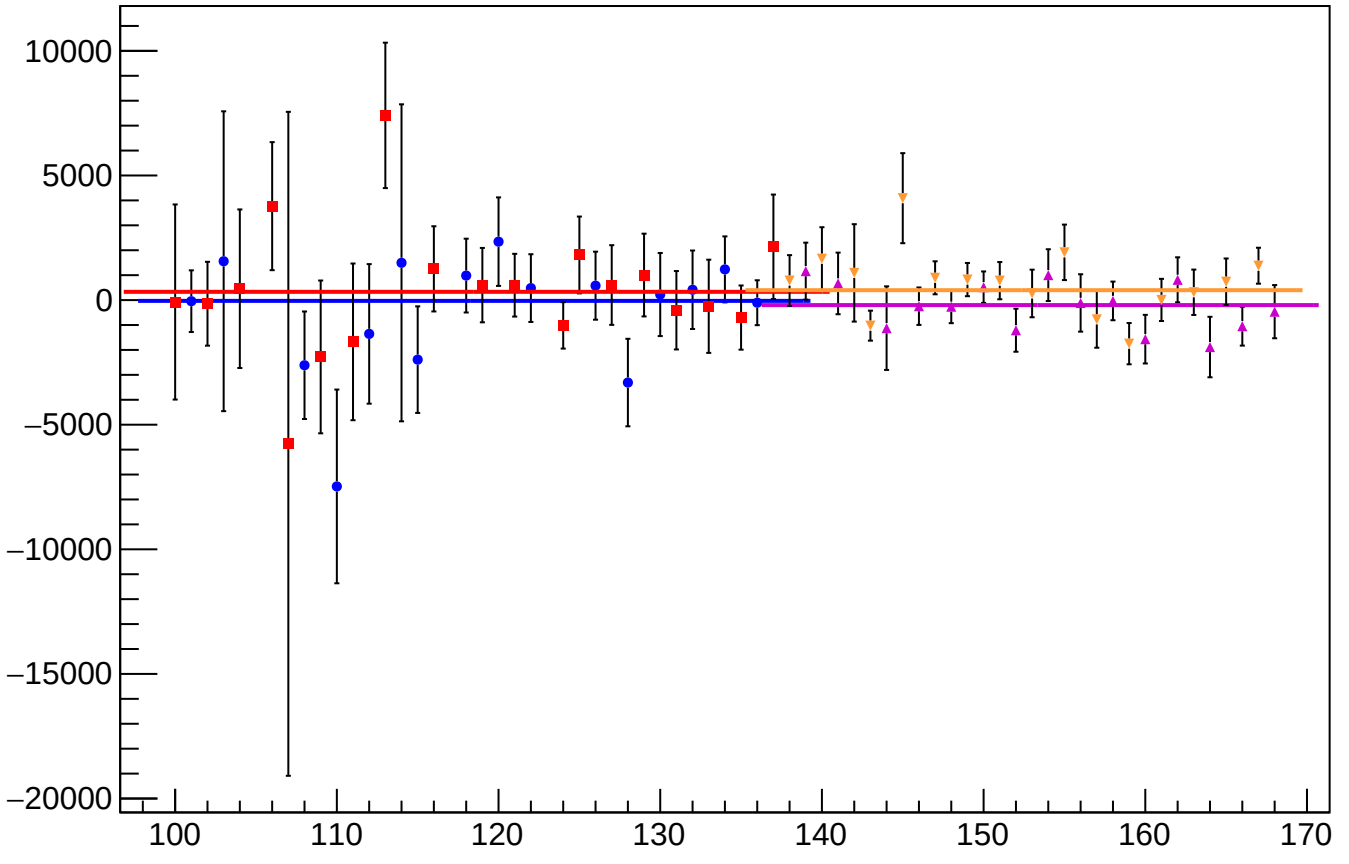
Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2385.700+/-0.479 χ^2/NDF:3266.4/14

\+ sign 2453.478+/-0.391 χ^2/NDF: 302222.9/31

All: 2461.286+/-0.278 χ^2/NDF: 940780.7/65

\- sign 2469.260+/-0.395 χ^2/NDF: 637749.8/33



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 397.075+/-217.957 χ^2/NDF:24.1/15

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

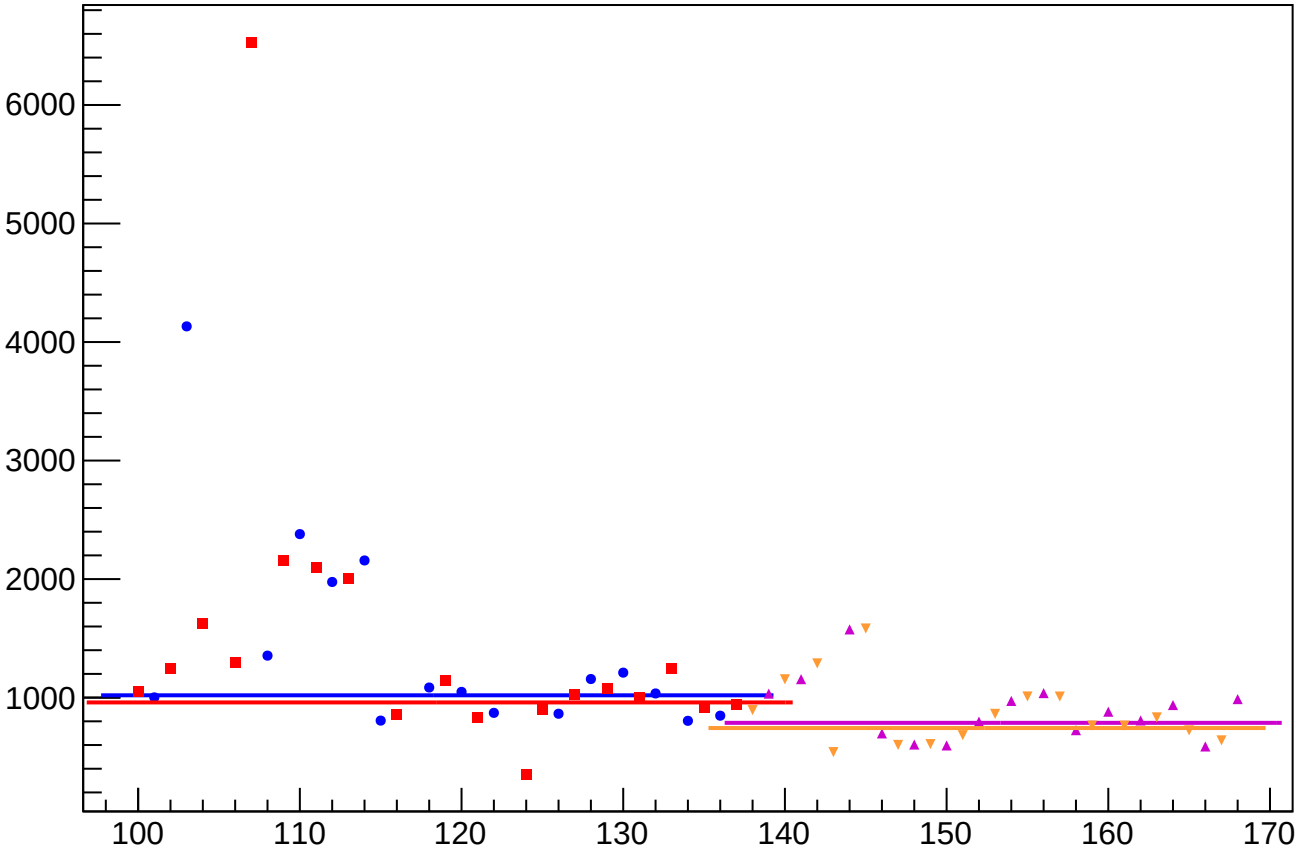
Left In: -200.802+/-232.379 χ^2/NDF:12.7/14

+ sign 301.147+/-192.006 χ^2/NDF: 38.8/31

All: 125.818+/-138.789 χ^2/NDF: 68.9/65

- sign -66.031+/-200.848 χ^2/NDF: 28.4/33

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 743.281+/-0.154 χ^2/NDF:1579085.1/15

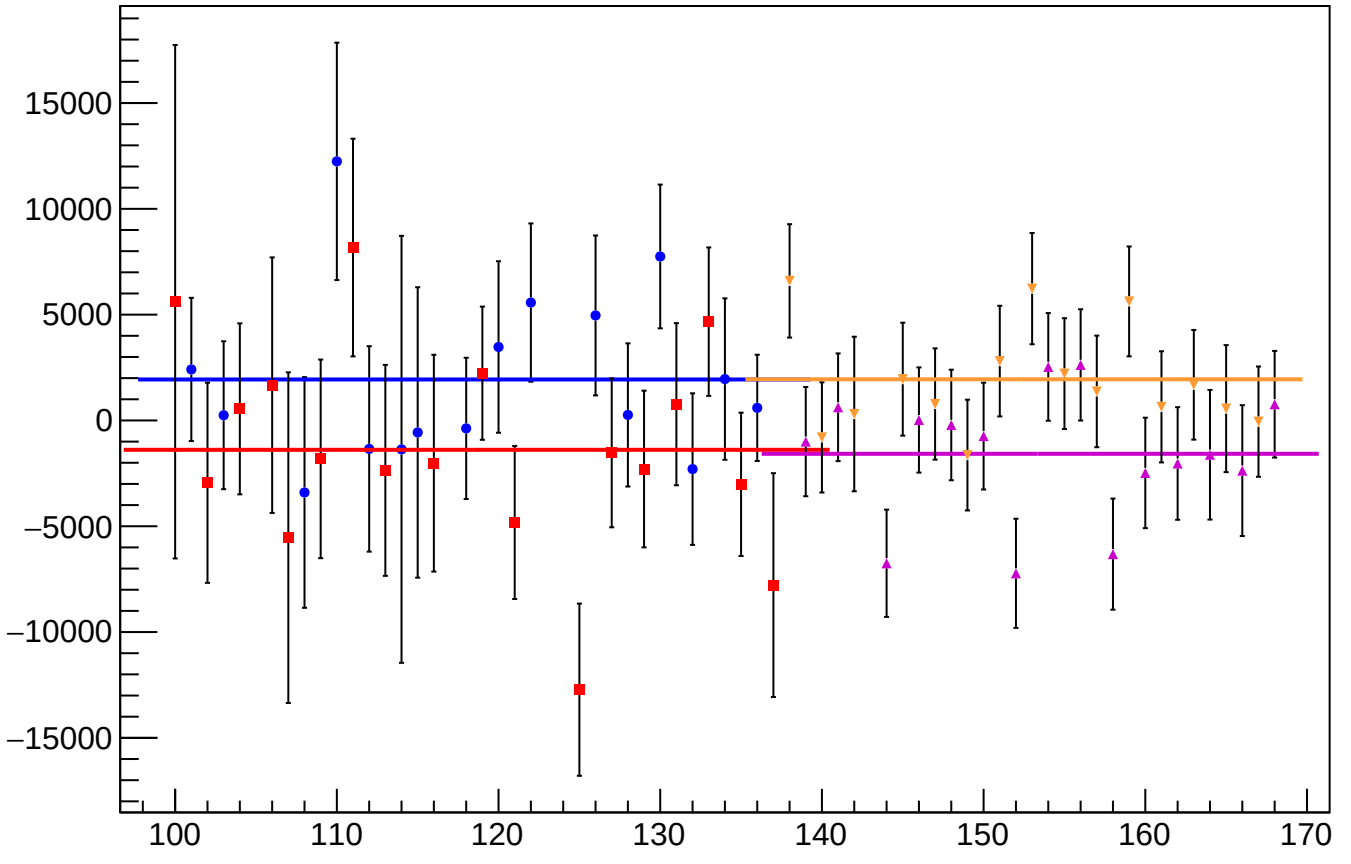
Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 787.133+/-0.164 χ^2/NDF:1499709.5/14

\+ sign 805.146+/-0.136 χ^2/NDF: 3663286.7/31

All: 817.346+/-0.098 χ^2/NDF: 7802199.8/65

\- sign 830.696+/-0.142 χ^2/NDF: 4122002.1/33



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1945.708+/-694.420 χ^2/NDF:12.3/14

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

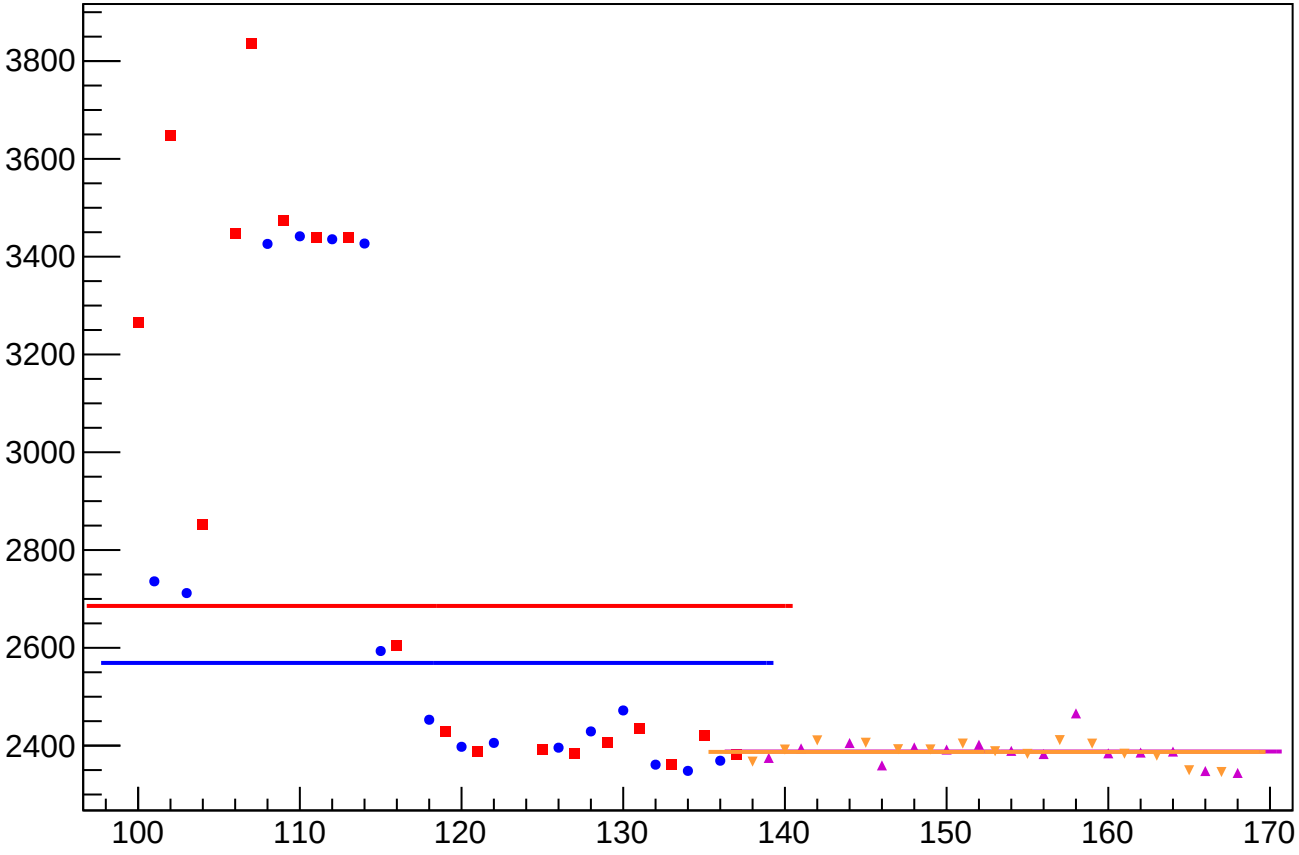
Left In: -1576.316+/-677.818 χ^2/NDF:20.0/14

+ sign 1942.381+/-563.116 χ^2/NDF: 24.6/30

All: 210.999+/-398.025 χ^2/NDF: 83.4/63

- sign -1517.626+/-562.668 χ^2/NDF: 39.8/32

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2387.136+/-0.491 χ^2/NDF:1489.8/14

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

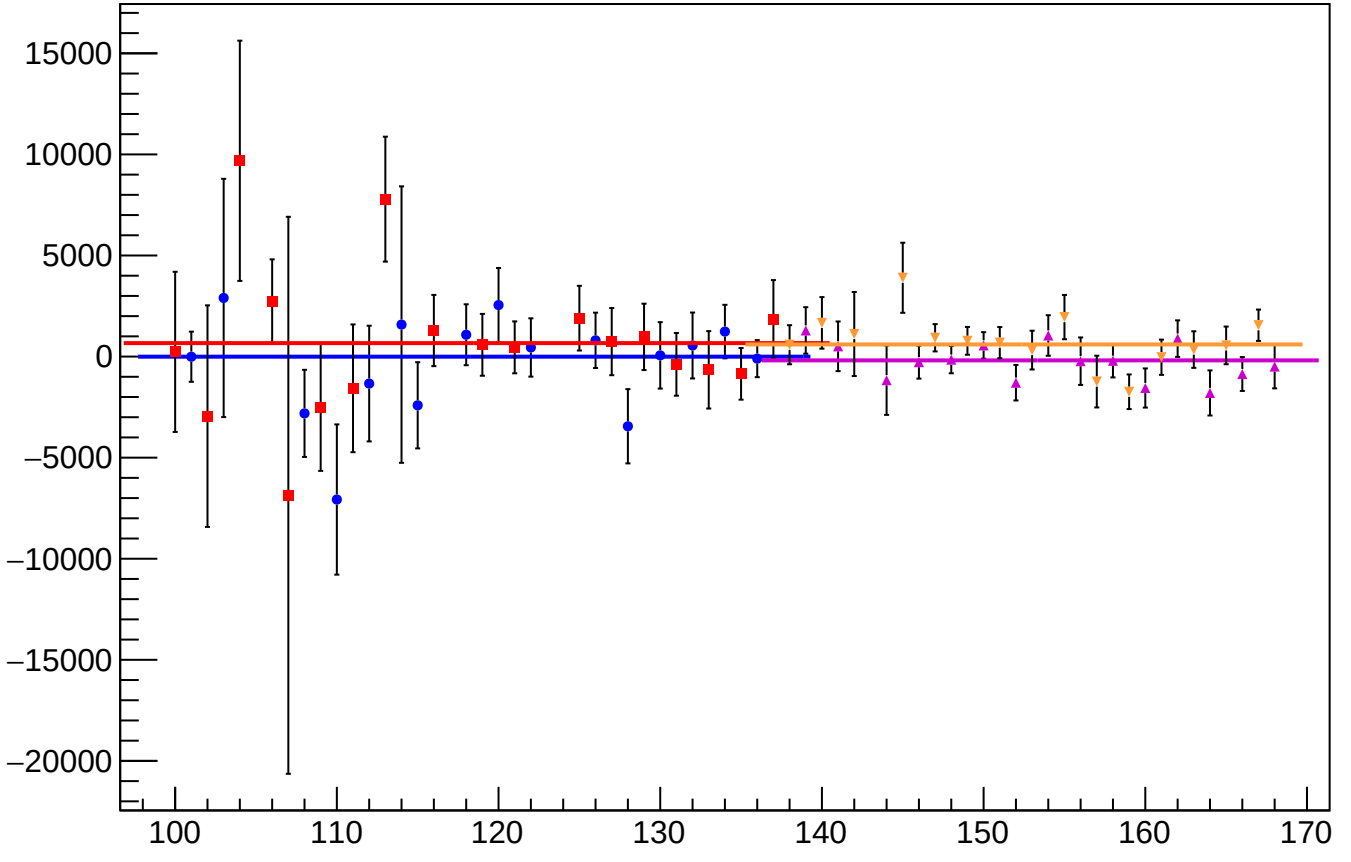
Left In: 2387.933+/-0.479 χ^2/NDF:3219.4/14

+ sign 2449.454+/-0.398 χ^2/NDF: 278015.8/30

All: 2464.991+/-0.281 χ^2/NDF: 823524.0/63

- sign 2480.503+/-0.398 χ^2/NDF: 542465.5/32

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 600.240+/-239.077 χ^2/NDF:18.0/14

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

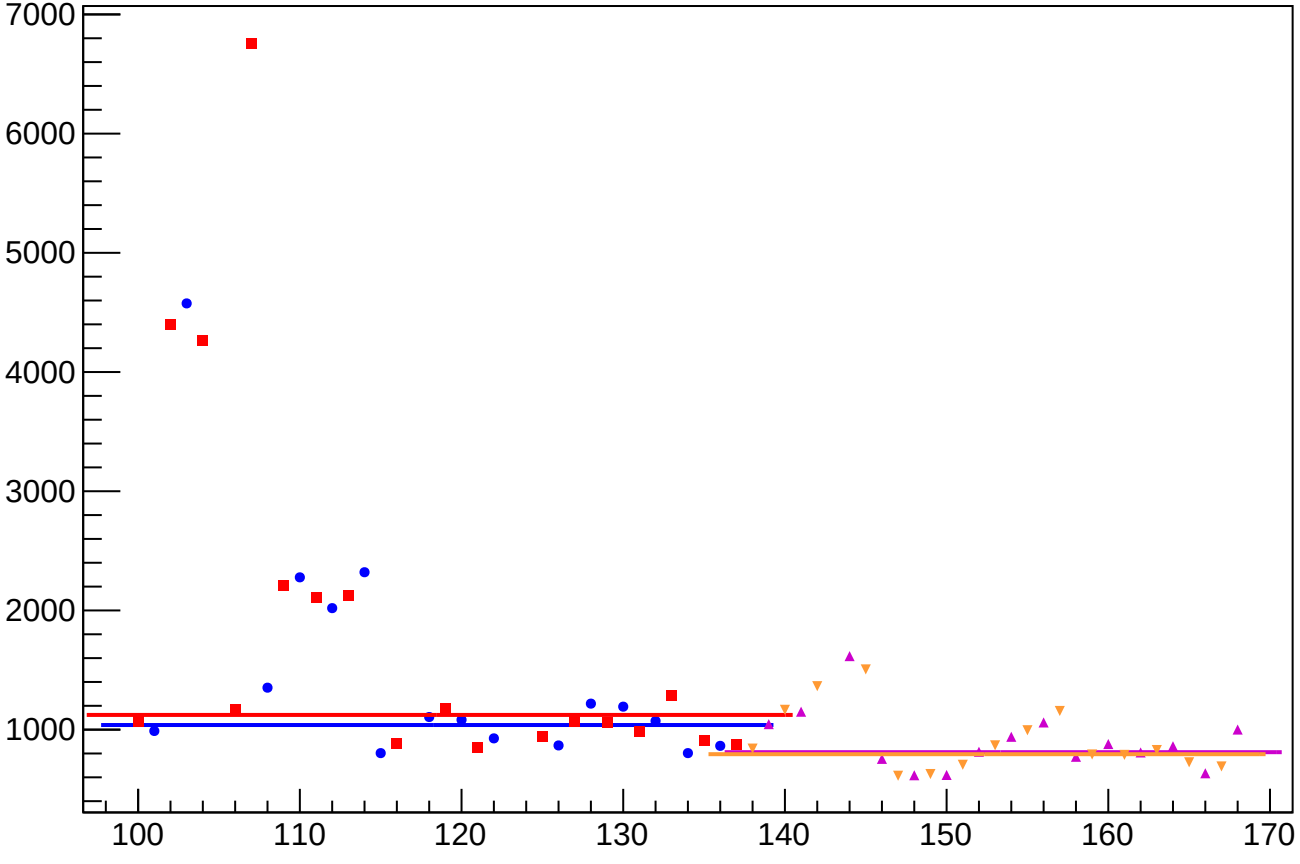
Left In: -188.105+/-237.949 χ^2/NDF:12.9/14

+ sign 447.871+/-206.815 χ^2/NDF: 34.1/30

All: 224.864+/-147.833 χ^2/NDF: 66.4/63

- sign -8.135+/-211.397 χ^2/NDF: 30.0/32

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 794.112+/-0.169 χ^2/NDF:1238171.7/14

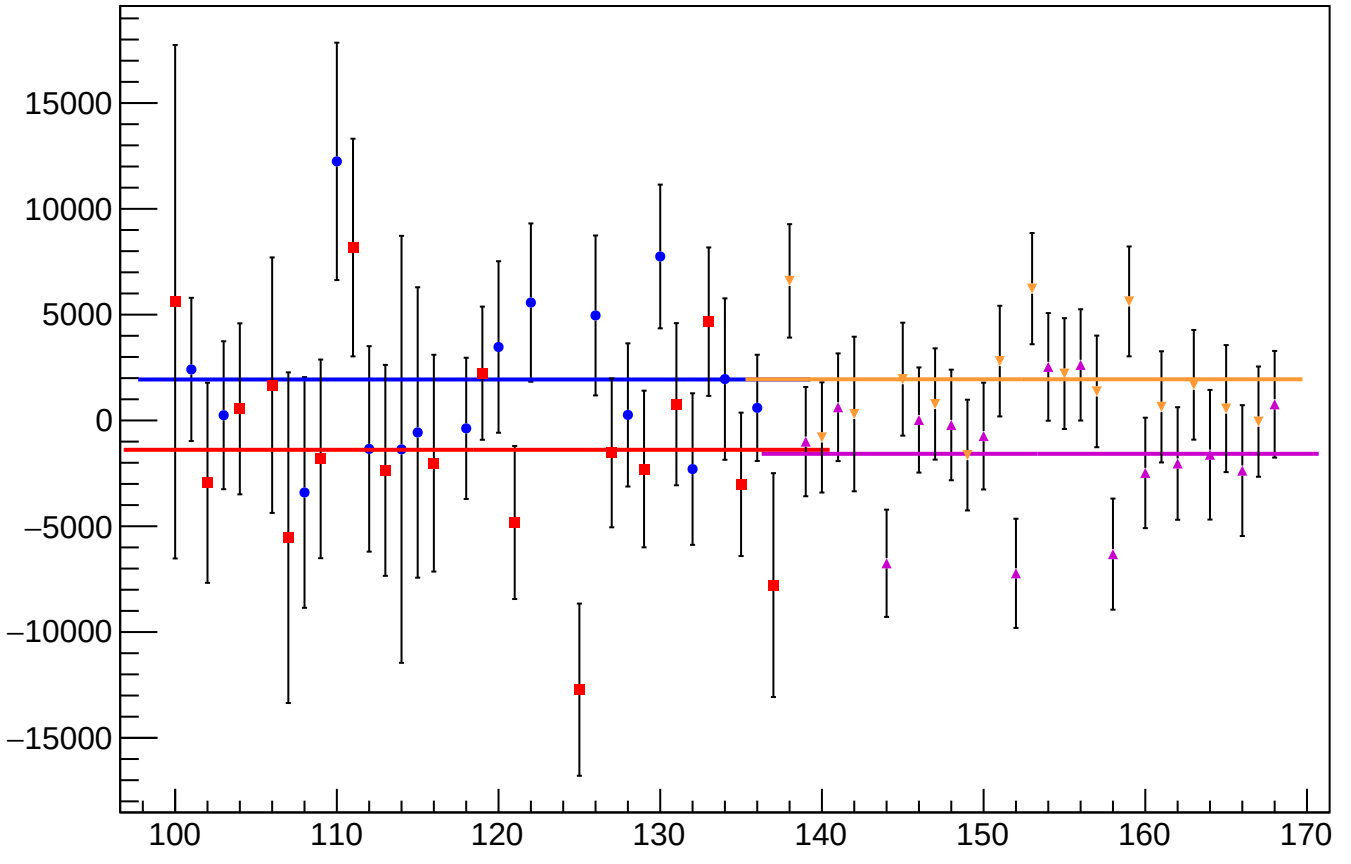
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 810.972+/-0.168 χ^2/NDF:1314348.5/14

\+ sign 855.695+/-0.146 χ^2/NDF: 3305177.6/30

All: 866.028+/-0.105 χ^2/NDF: 7892160.0/63

\- sign 876.823+/-0.149 χ^2/NDF: 4576774.6/32



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1945.708+/-694.420 χ^2/NDF:12.3/14

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

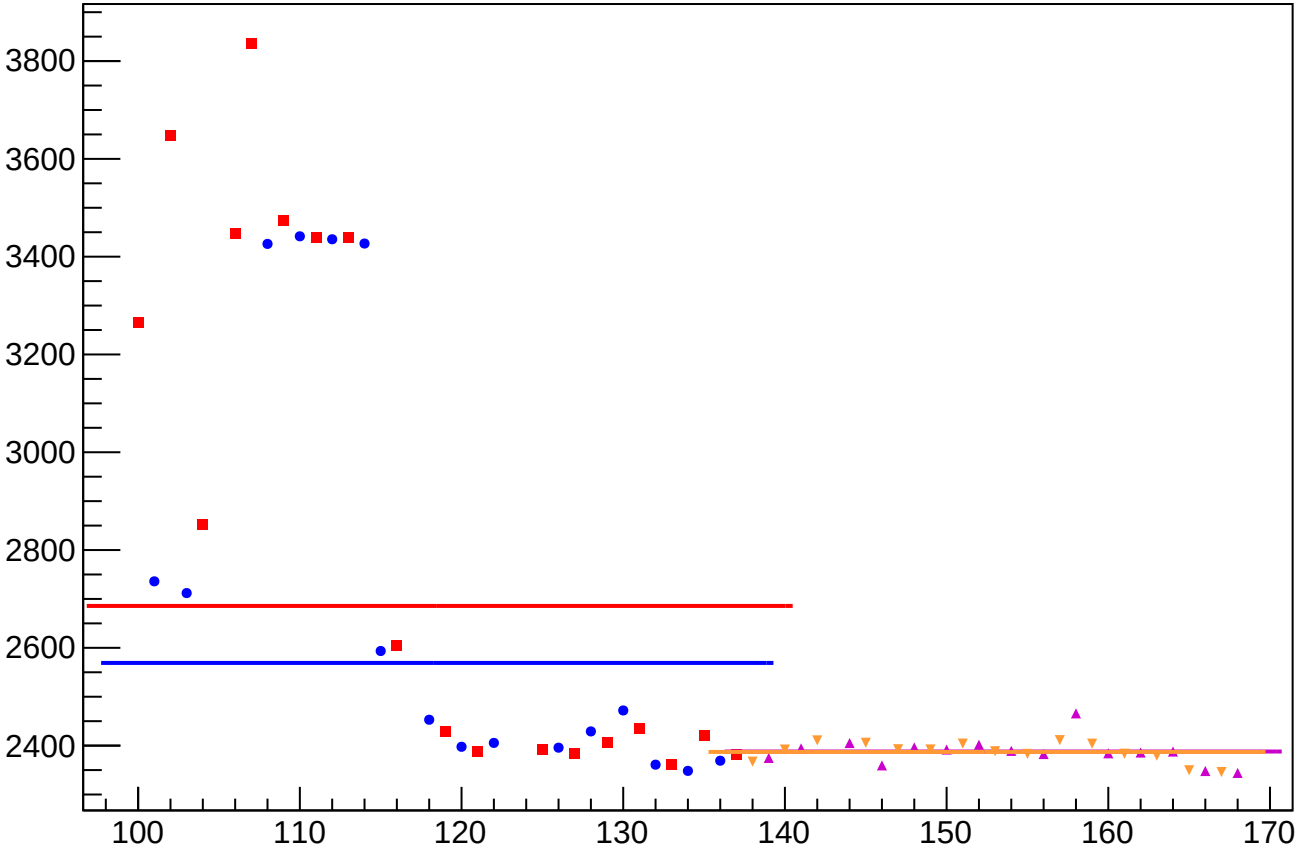
Left In: -1576.317+/-677.818 χ^2/NDF:20.0/14

+ sign 1942.380+/-563.116 χ^2/NDF: 24.6/30

All: 210.999+/-398.025 χ^2/NDF: 83.4/63

- sign -1517.626+/-562.668 χ^2/NDF: 39.8/32

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2387.136+/-0.491 χ^2/NDF:1489.8/14

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

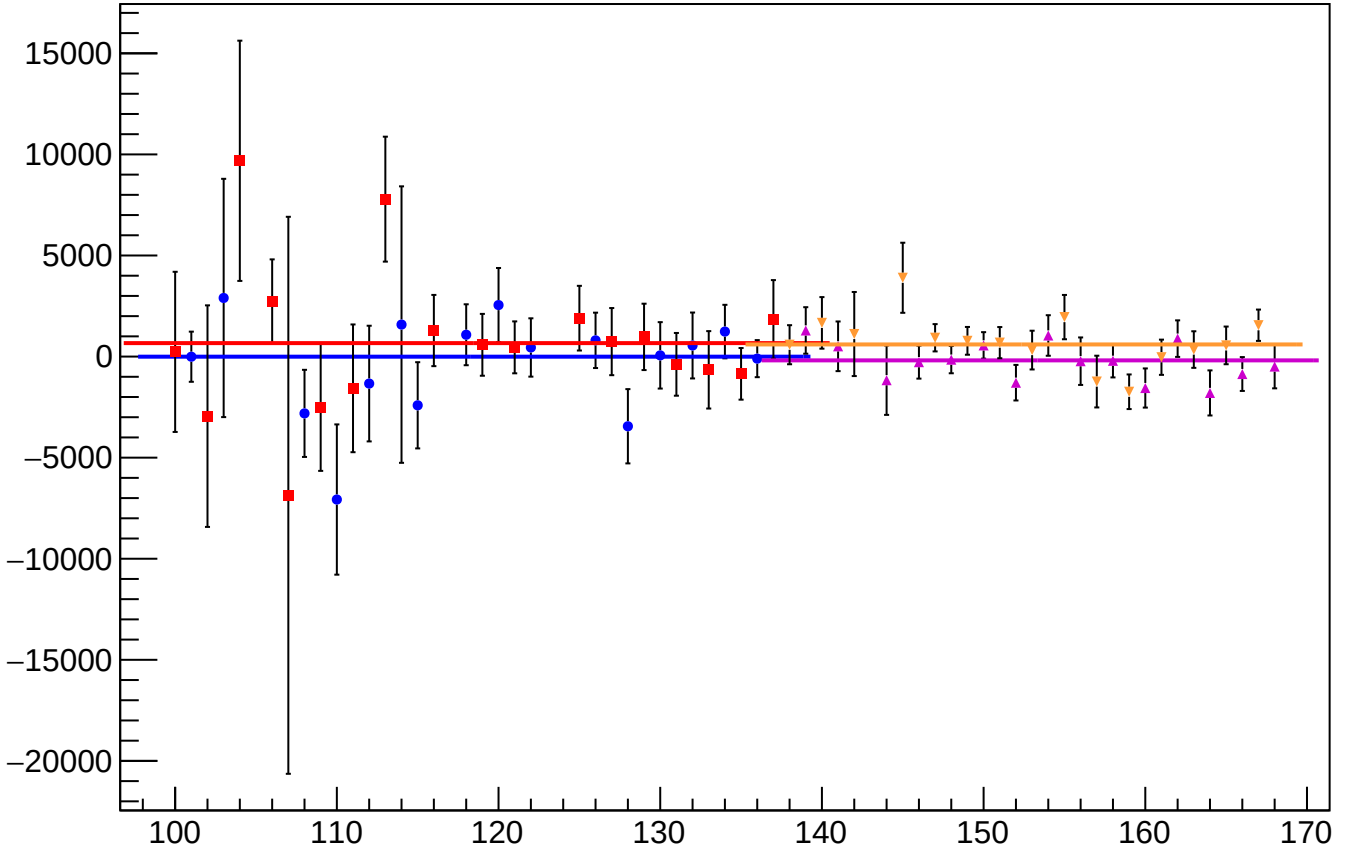
Left In: 2387.933+/-0.479 χ^2/NDF:3219.4/14

+ sign 2449.454+/-0.398 χ^2/NDF: 278015.4/30

All: 2464.991+/-0.281 χ^2/NDF: 823522.7/63

- sign 2480.503+/-0.398 χ^2/NDF: 542464.6/32

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 600.239+/-239.077 χ^2/NDF:18.0/14

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

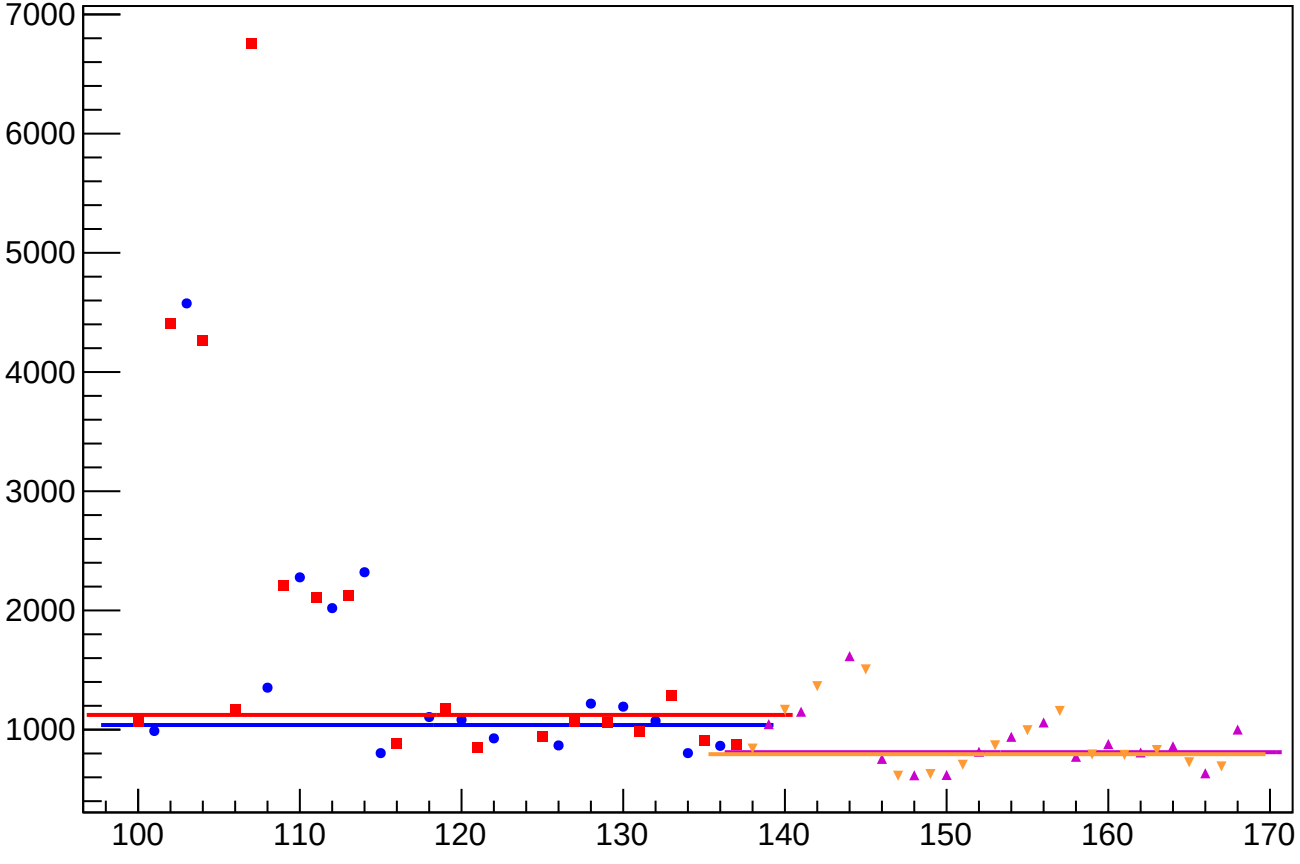
Left In: -188.105+/-237.949 χ^2/NDF:12.9/14

+ sign 447.870+/-206.815 χ^2/NDF: 34.1/30

All: 224.863+/-147.834 χ^2/NDF: 66.4/63

- sign -8.134+/-211.397 χ^2/NDF: 30.0/32

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 794.113+/-0.169 χ^2/NDF:1238169.3/14

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

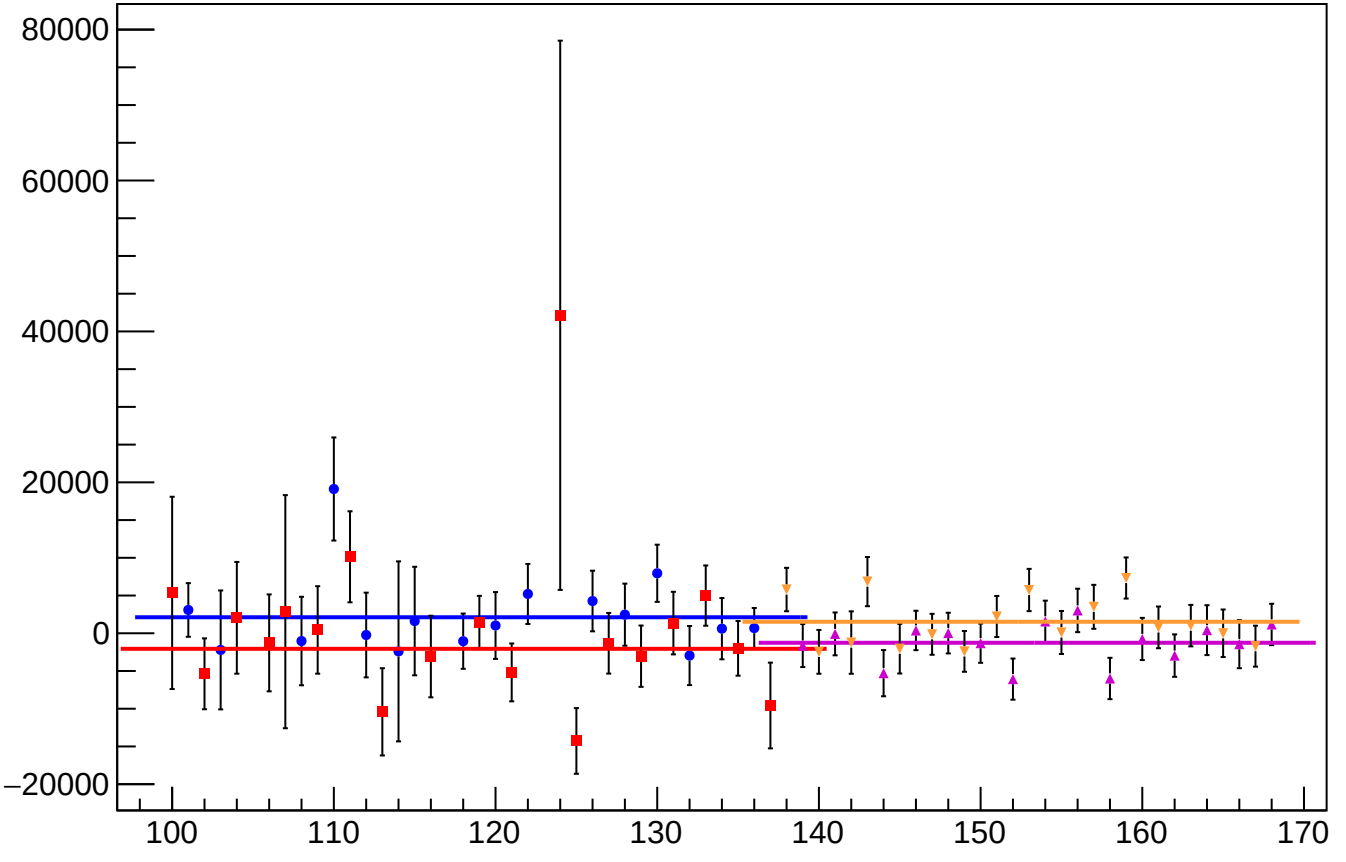
Left In: 810.973+/-0.168 χ^2/NDF:1314346.7/14

+ sign 855.697+/-0.146 χ^2/NDF: 3305164.6/30

All: 866.029+/-0.105 χ^2/NDF: 7892135.9/63

- sign 876.825+/-0.149 χ^2/NDF: 4576763.7/32

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1525.081+/-726.379 χ^2/NDF:20.2/15

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

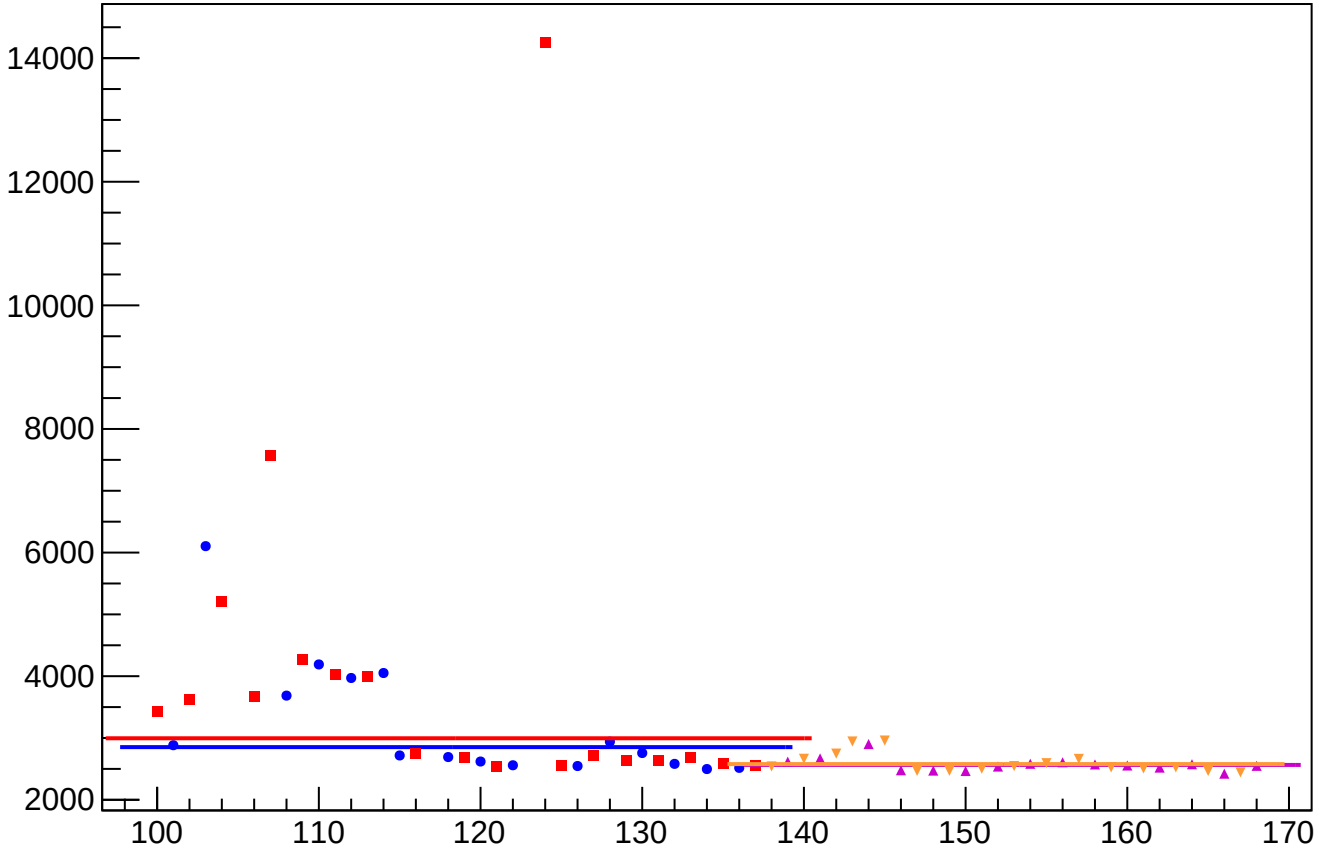
Left In: -1260.552+/-728.582 χ^2/NDF:13.4/14

+ sign 1709.886+/-603.549 χ^2/NDF: 33.8/31

All: 134.281+/-430.218 χ^2/NDF: 85.6/65

- sign -1493.244+/-613.412 χ^2/NDF: 38.0/33

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2577.752+/-0.514 χ^2/NDF:77736.7/15

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

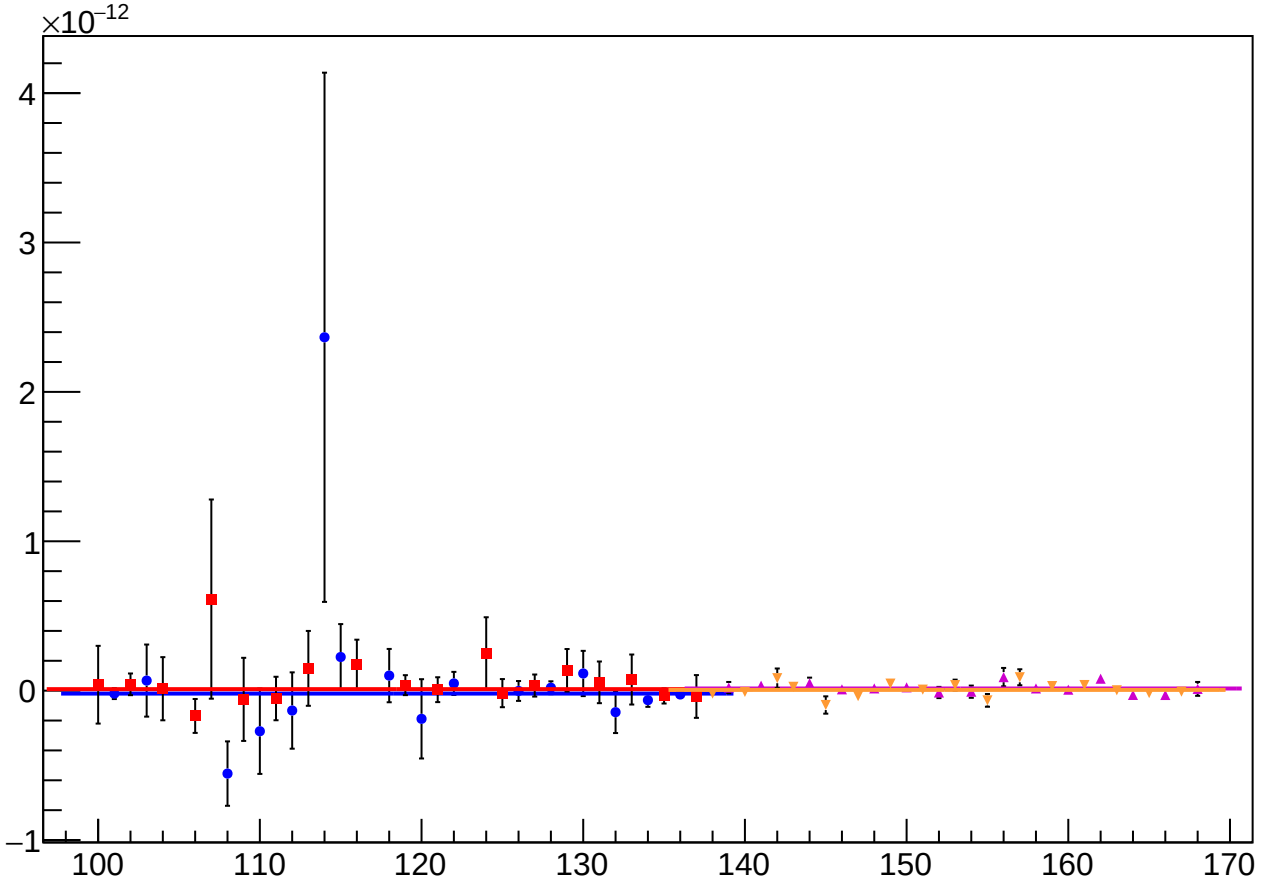
Left In: 2564.230+/-0.515 χ^2/NDF:40333.7/14

+ sign 2662.724+/-0.427 χ^2/NDF: 814850.9/31

All: 2676.045+/-0.304 χ^2/NDF: 2040392.2/65

- sign 2689.806+/-0.434 χ^2/NDF: 1223560.5/33

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:22.0/15

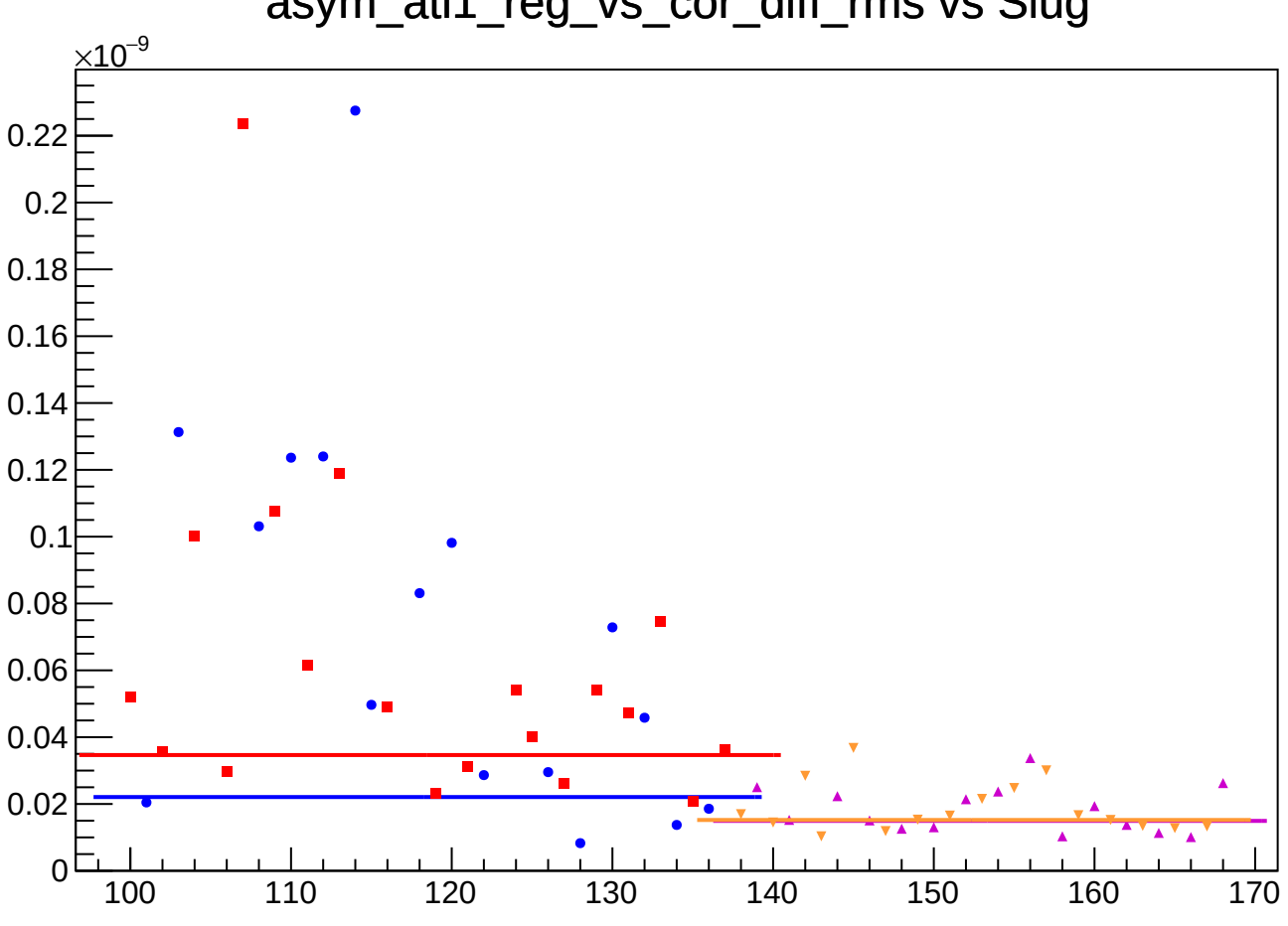
Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 39.2/31

All: 0.000+/-0.000 χ^2/NDF: 66.6/65

- sign 0.000+/-0.000 χ^2/NDF: 25.7/33



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:908687.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

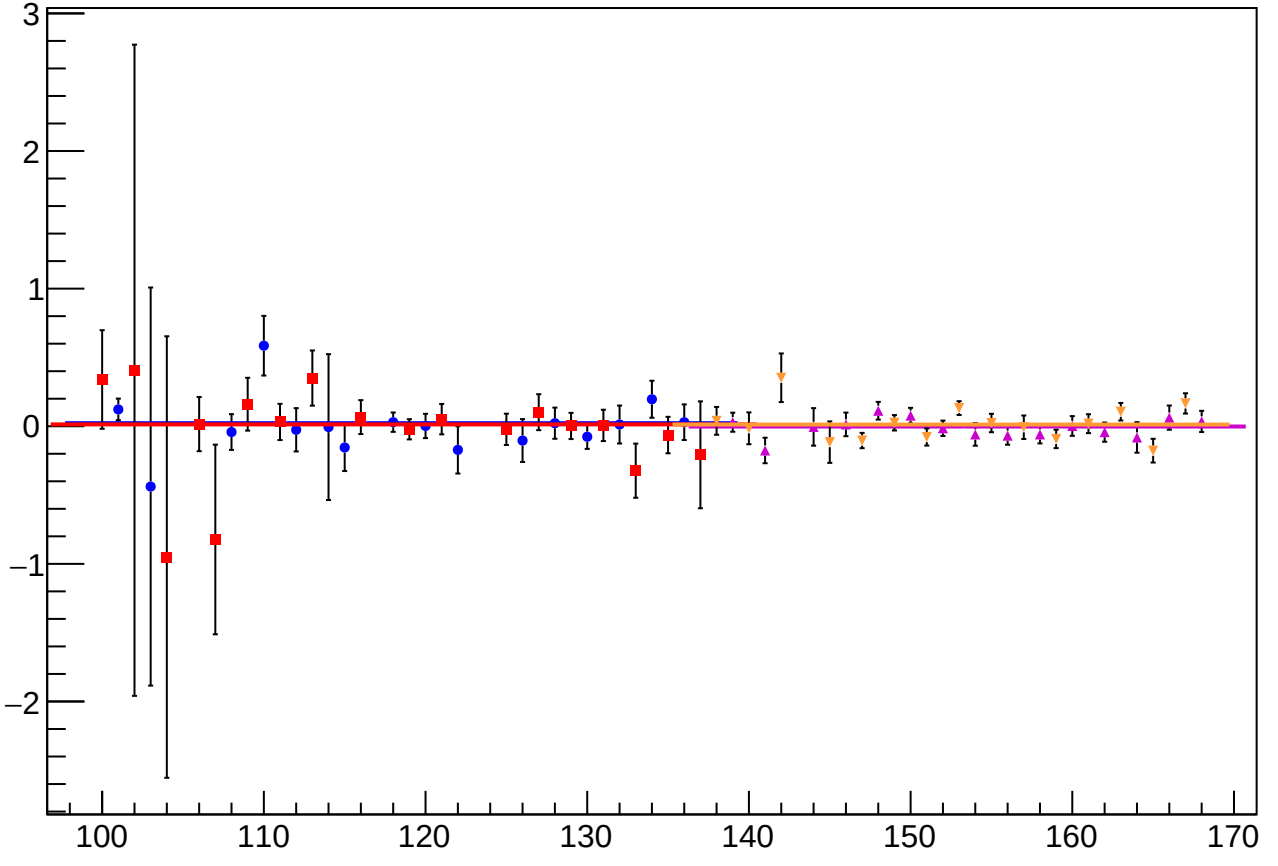
Left In: 0.000+/-0.000 χ^2/NDF:1003862.7/14

+ sign 0.000+/-0.000 χ^2/NDF: 3527781.6/31

All: 0.000+/-0.000 χ^2/NDF: 6970614.3/65

- sign 0.000+/-0.000 χ^2/NDF: 3439325.9/33

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.019 χ^2/NDF:30.6/14

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

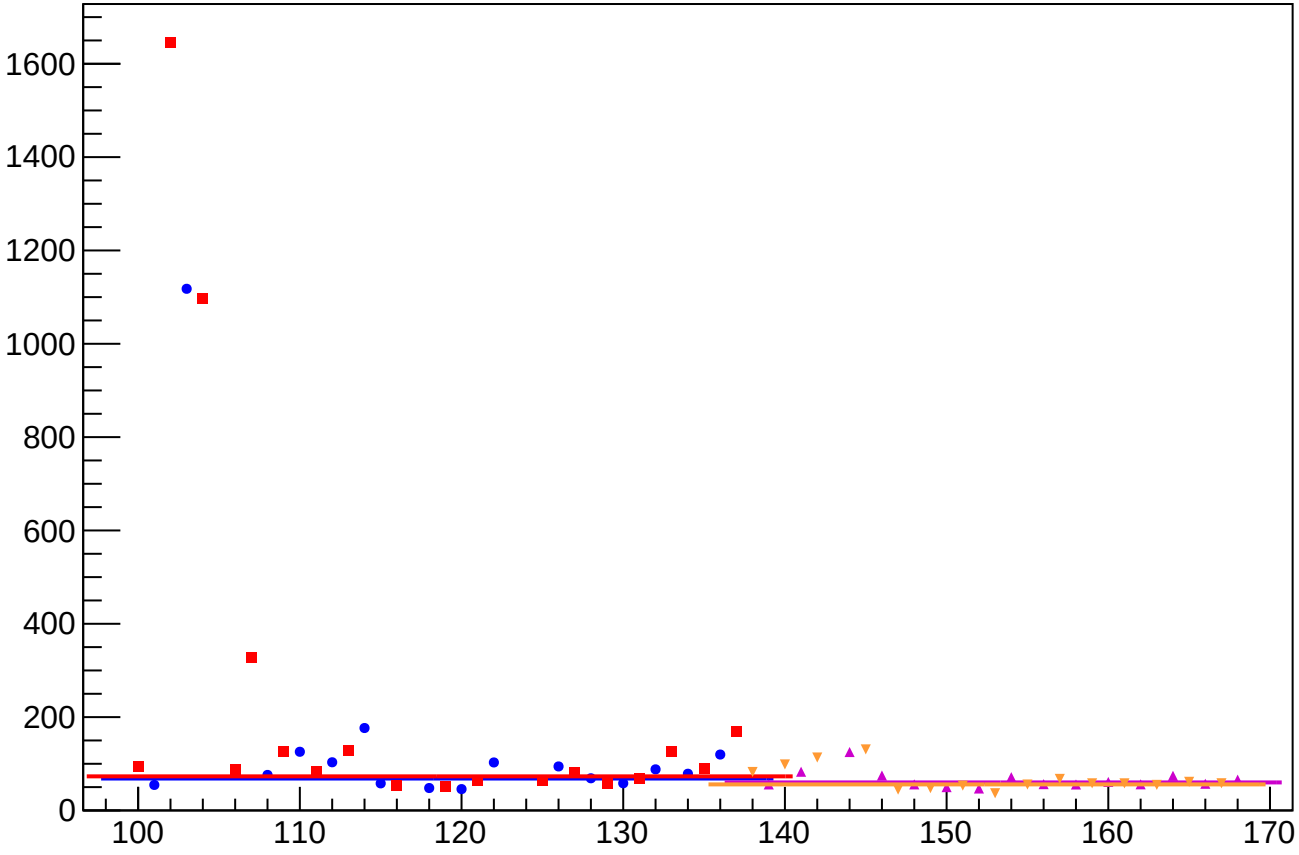
Left In: -0.002+/-0.019 χ^2/NDF:12.8/14

+ sign 0.015+/-0.016 χ^2/NDF: 45.5/30

All: 0.009+/-0.011 χ^2/NDF: 69.7/63

- sign 0.002+/-0.016 χ^2/NDF: 23.8/32

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.847+/-0.013 χ^2/NDF:1584789.7/14

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

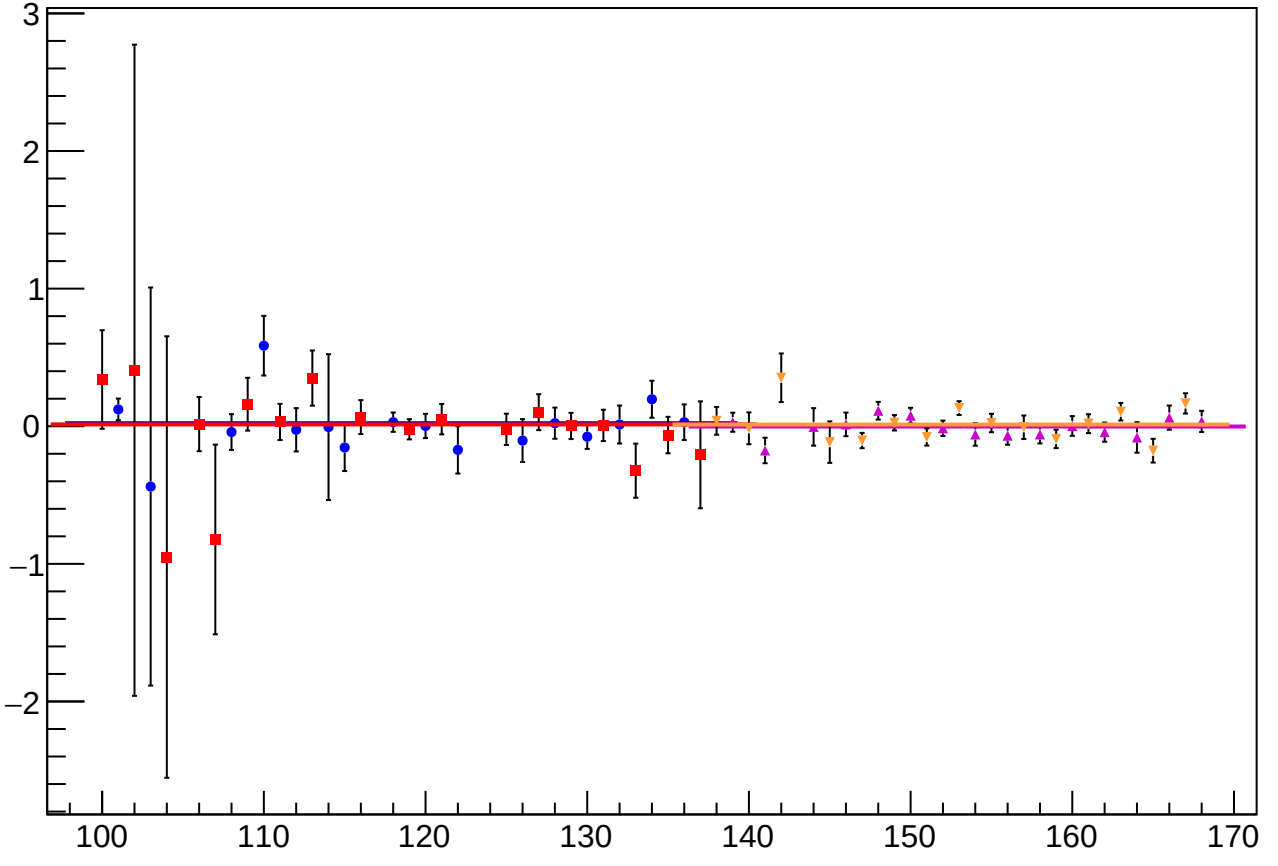
Left In: 60.069+/-0.013 χ^2/NDF:934381.2/14

+ sign 59.300+/-0.011 χ^2/NDF: 4115606.4/30

All: 61.177+/-0.008 χ^2/NDF: 8250719.5/63

- sign 63.226+/-0.012 χ^2/NDF: 4076004.4/32

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.019 χ^2/NDF:30.6/14

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

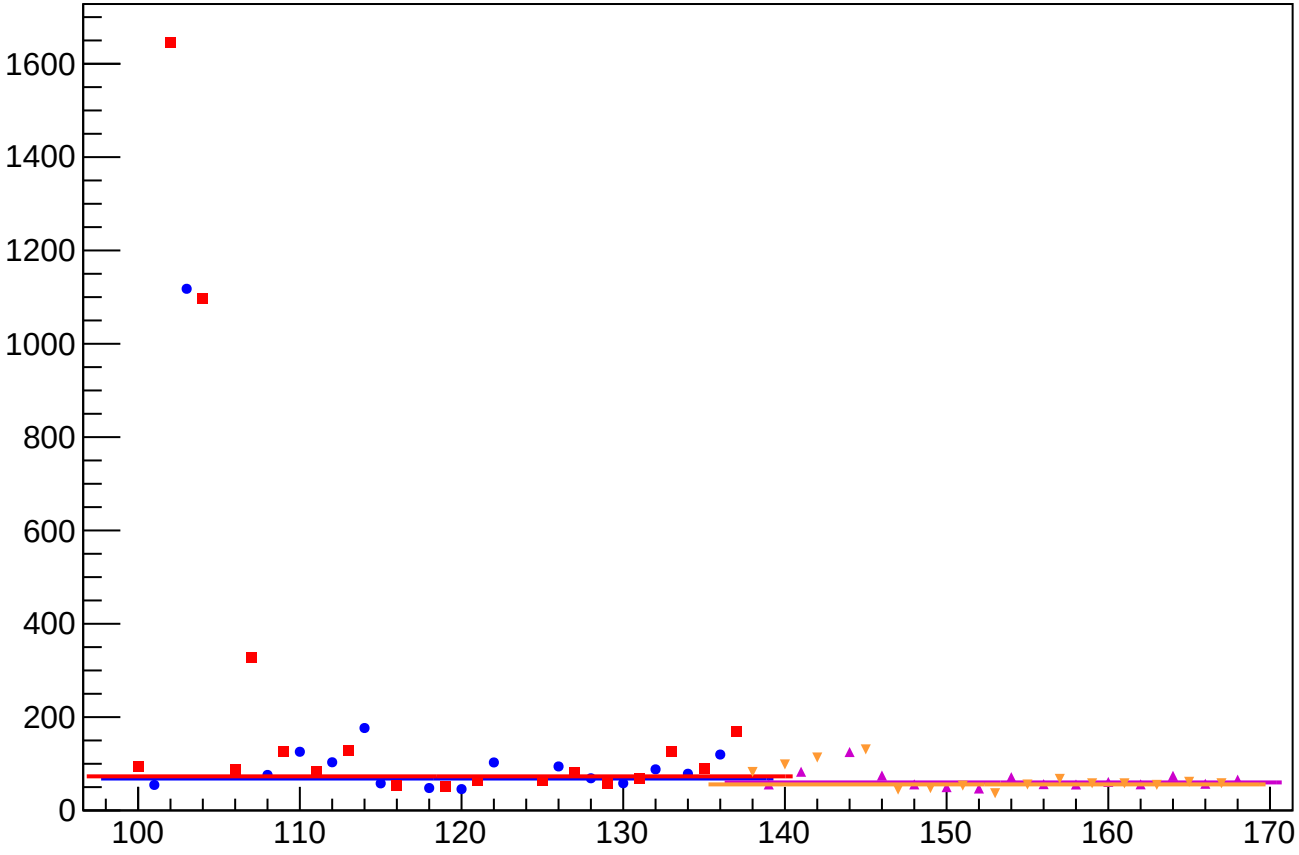
Left In: -0.002+/-0.019 χ^2/NDF:12.8/14

+ sign 0.015+/-0.016 χ^2/NDF: 45.5/30

All: 0.009+/-0.011 χ^2/NDF: 69.7/63

- sign 0.002+/-0.016 χ^2/NDF: 23.8/32

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.847+/-0.013 χ^2/NDF:1584789.7/14

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

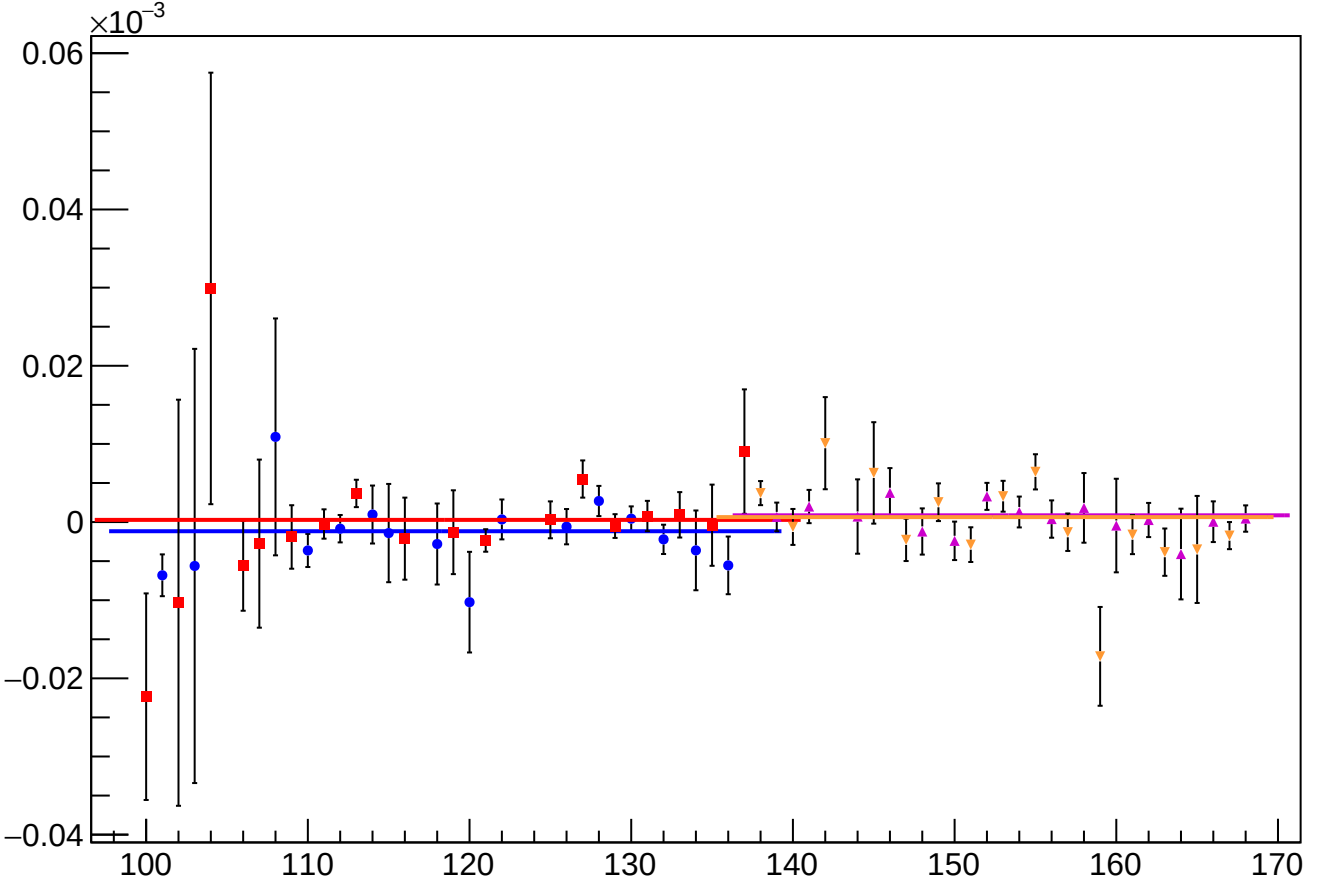
Left In: 60.069+/-0.013 χ^2/NDF:934381.2/14

+ sign 59.300+/-0.011 χ^2/NDF: 4115606.4/30

All: 61.177+/-0.008 χ^2/NDF: 8250719.5/63

- sign 63.226+/-0.012 χ^2/NDF: 4076004.4/32

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:34.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

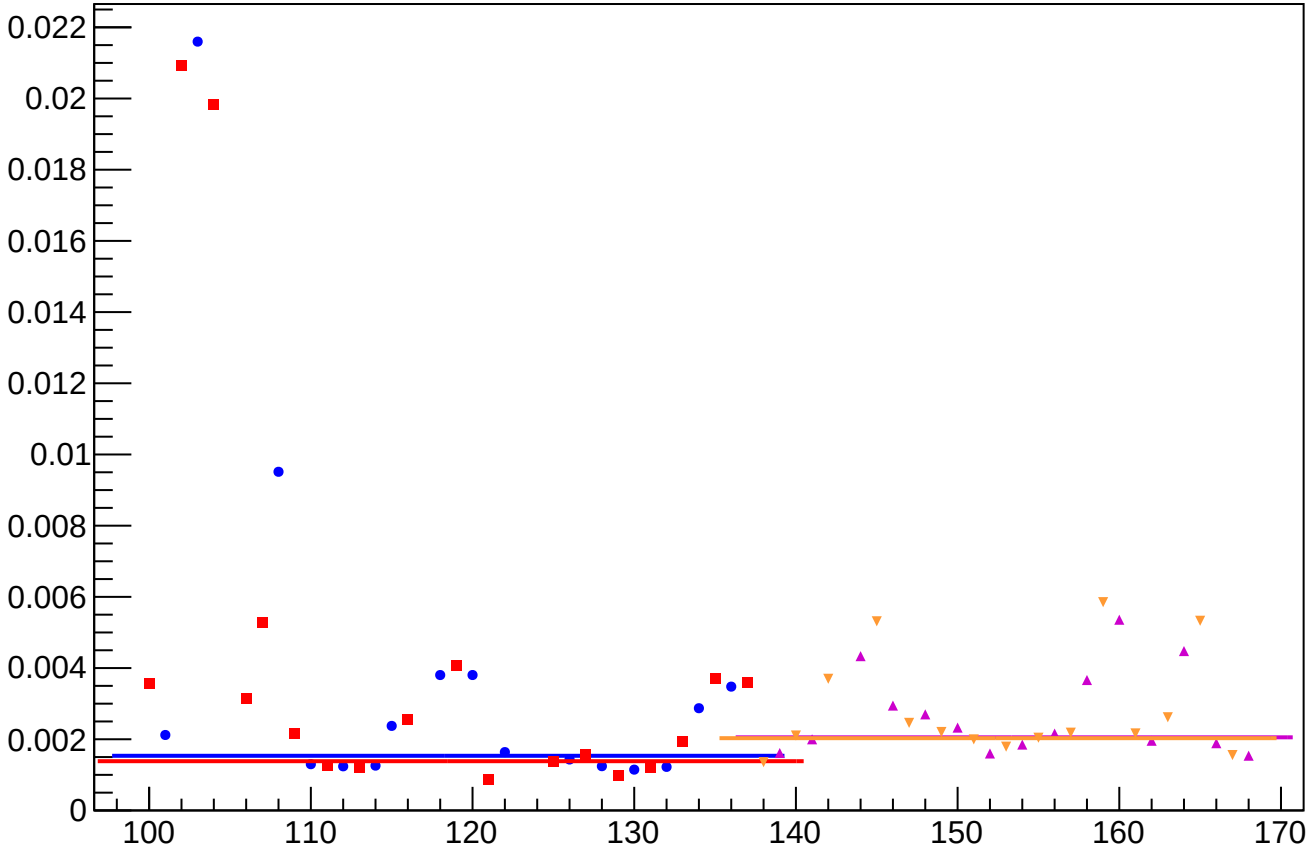
Left In: 0.000+/-0.000 χ^2/NDF:6.5/14

+ sign -0.000+/-0.000 χ^2/NDF: 54.3/30

All: 0.000+/-0.000 χ^2/NDF: 82.4/63

- sign 0.000+/-0.000 χ^2/NDF: 26.5/32

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:2579530.2/14

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

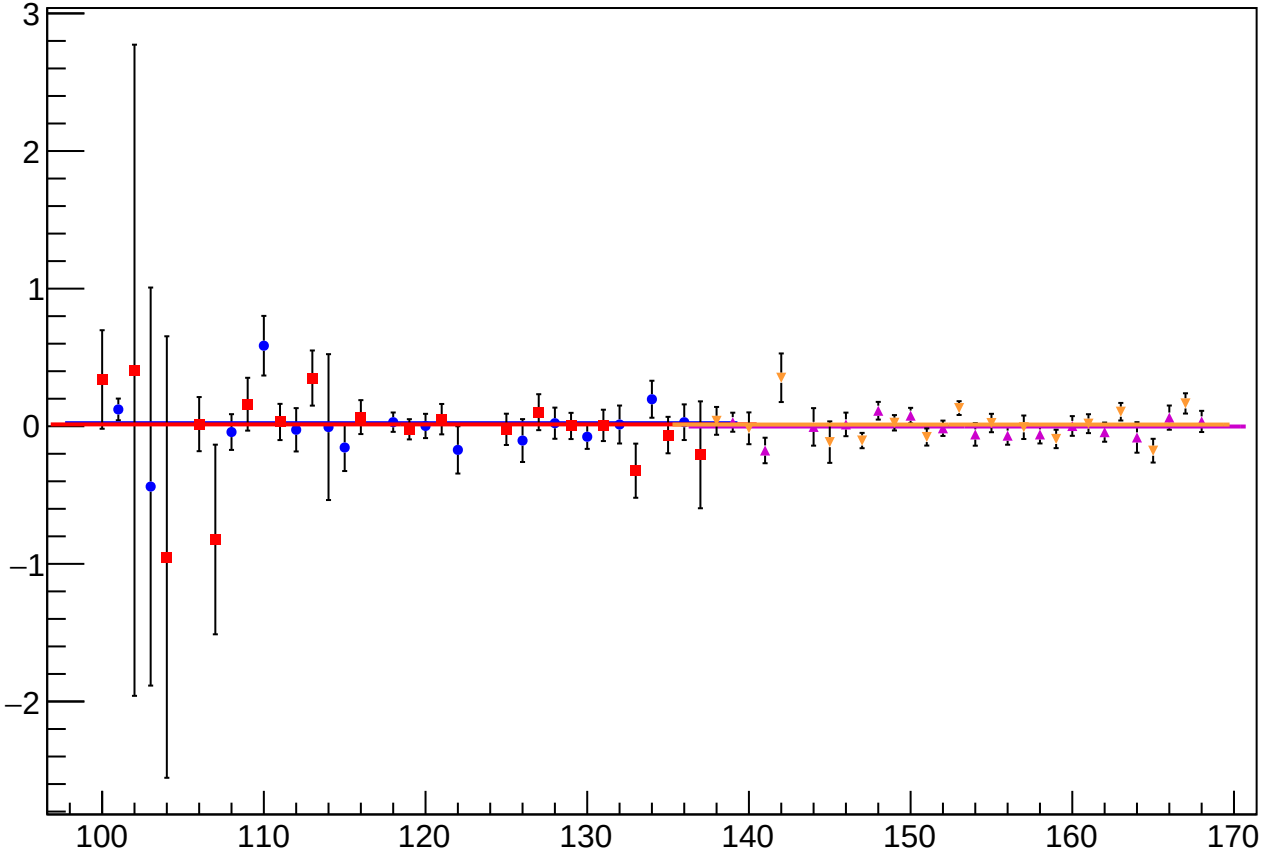
Left In: 0.002+/-0.000 χ^2/NDF:2435531.8/14

+ sign 0.002+/-0.000 χ^2/NDF: 6530043.8/30

All: 0.002+/-0.000 χ^2/NDF: 14388397.0/63

- sign 0.002+/-0.000 χ^2/NDF: 7833271.4/32

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.019 χ^2/NDF:30.6/14

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

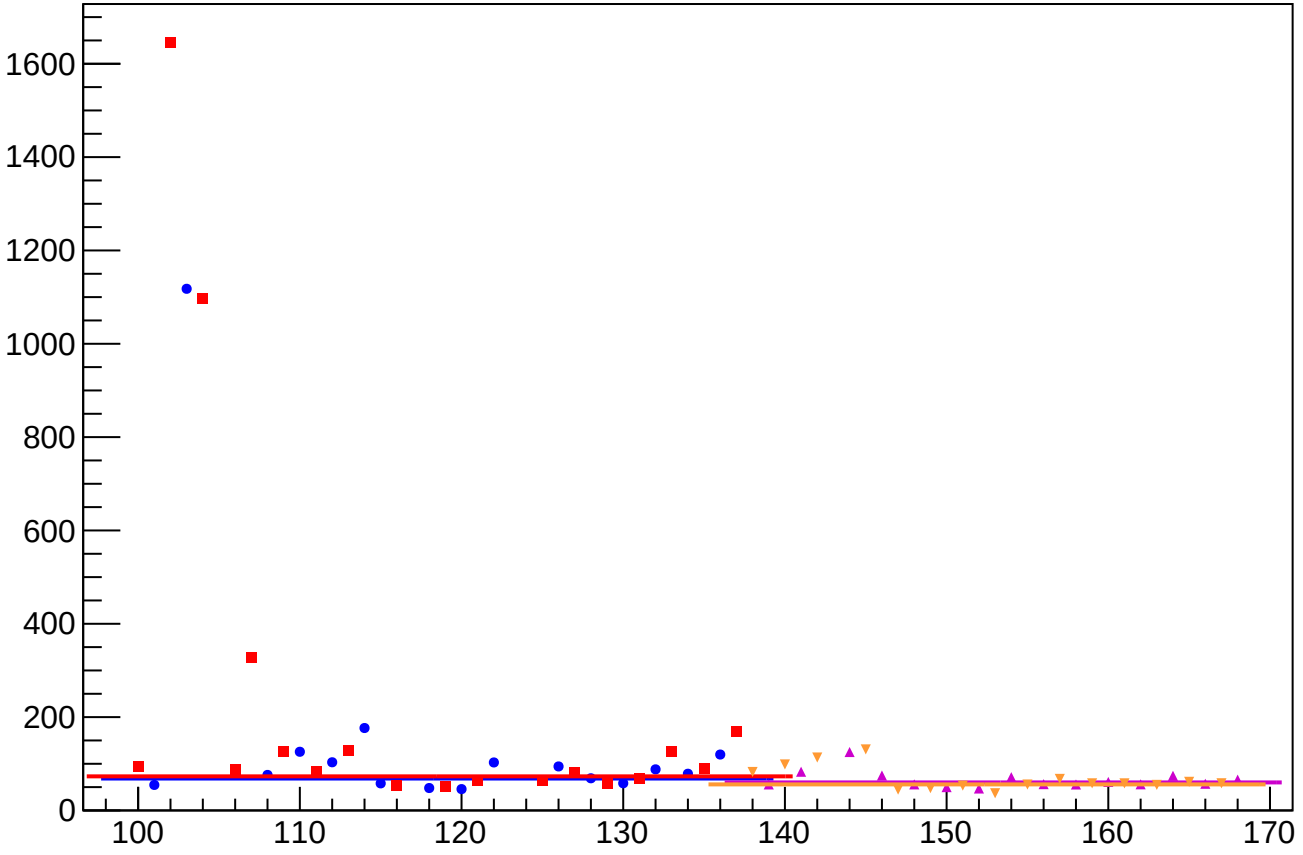
Left In: -0.002+/-0.019 χ^2/NDF:12.8/14

+ sign 0.015+/-0.016 χ^2/NDF: 45.5/30

All: 0.009+/-0.011 χ^2/NDF: 69.7/63

- sign 0.002+/-0.016 χ^2/NDF: 23.8/32

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.847+/-0.013 χ^2/NDF:1584864.3/14

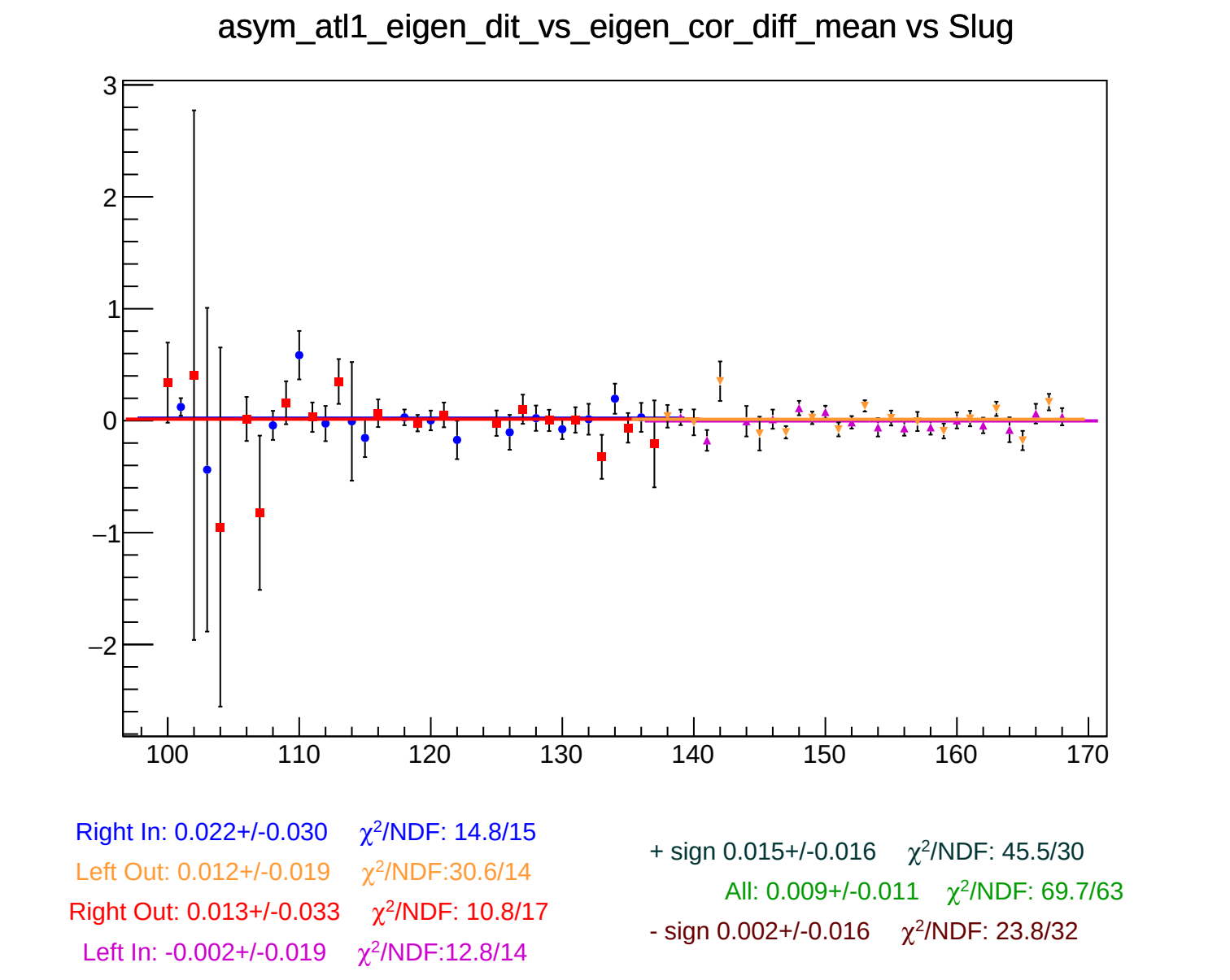
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 60.069+/-0.013 χ^2/NDF:934355.3/14

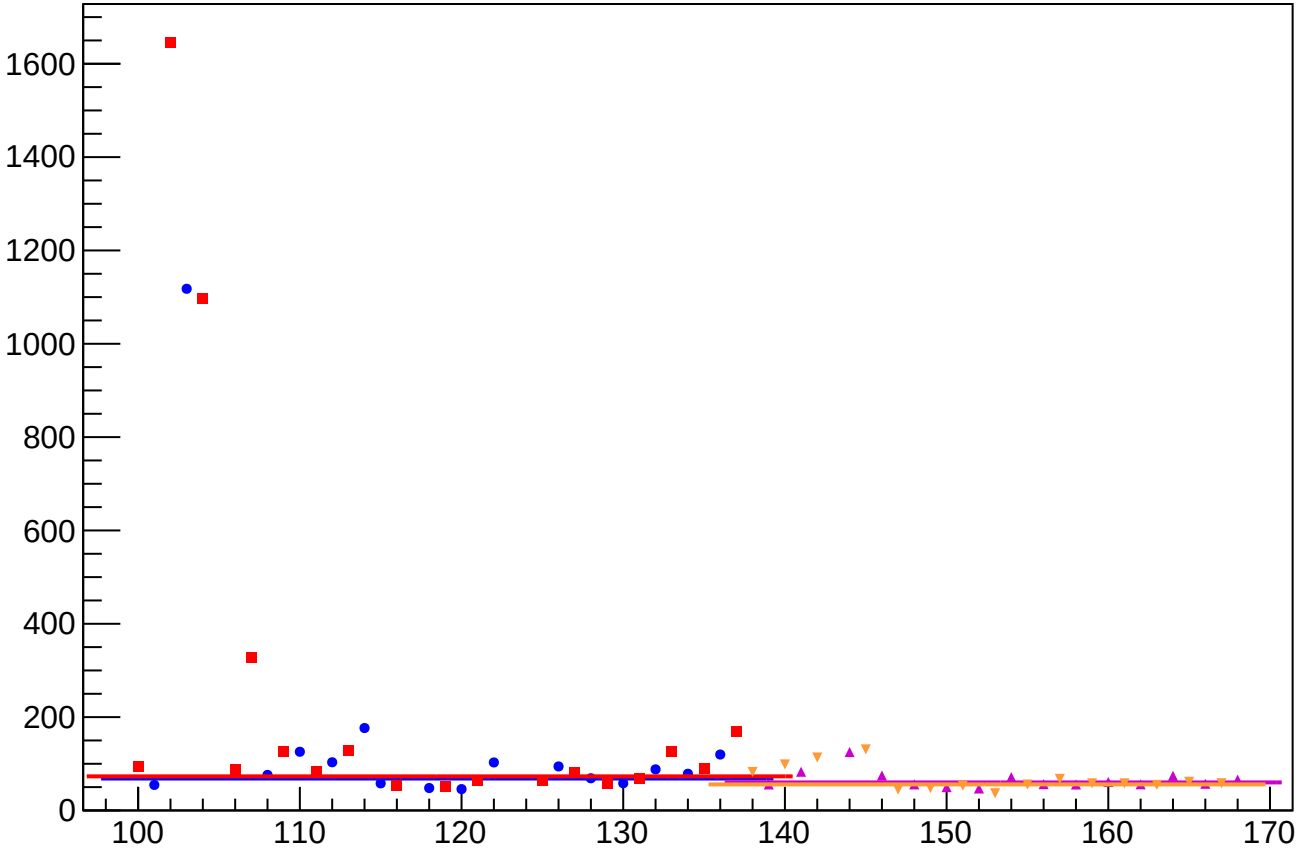
+ sign 59.299+/-0.011 χ^2/NDF: 4115734.3/30

All: 61.177+/-0.008 χ^2/NDF: 8250821.8/63

- sign 63.226+/-0.012 χ^2/NDF: 4075967.4/32


asym_atl1_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: 0.022+/-0.030 χ²/NDF: 14.8/15
Left Out: 0.012+/-0.019 χ²/NDF:30.6/14
Right Out: 0.013+/-0.033 χ²/NDF: 10.8/17
Left In: -0.002+/-0.019 χ²/NDF:12.8/14
+ sign 0.015+/-0.016 χ²/NDF: 45.5/30
All: 0.009+/-0.011 χ²/NDF: 69.7/63
- sign 0.002+/-0.016 χ²/NDF: 23.8/32

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: 55.847+/-0.013 χ^2/NDF:1584864.3/14

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

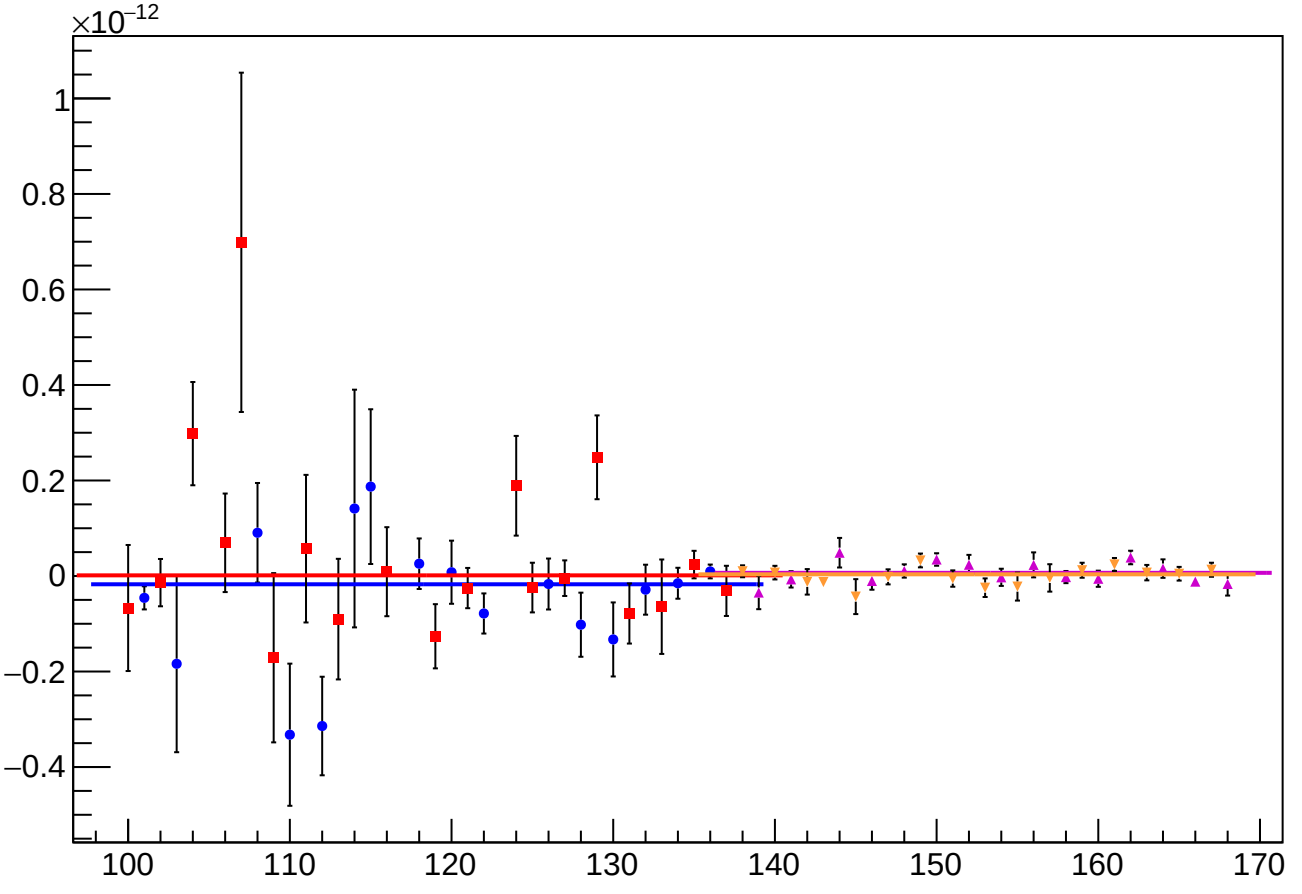
Left In: 60.069+/-0.013 χ^2/NDF:934355.3/14

+ sign 59.299+/-0.011 χ^2/NDF: 4115734.3/30

All: 61.177+/-0.008 χ^2/NDF: 8250821.8/63

- sign 63.226+/-0.012 χ^2/NDF: 4075967.4/32

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:15.7/15

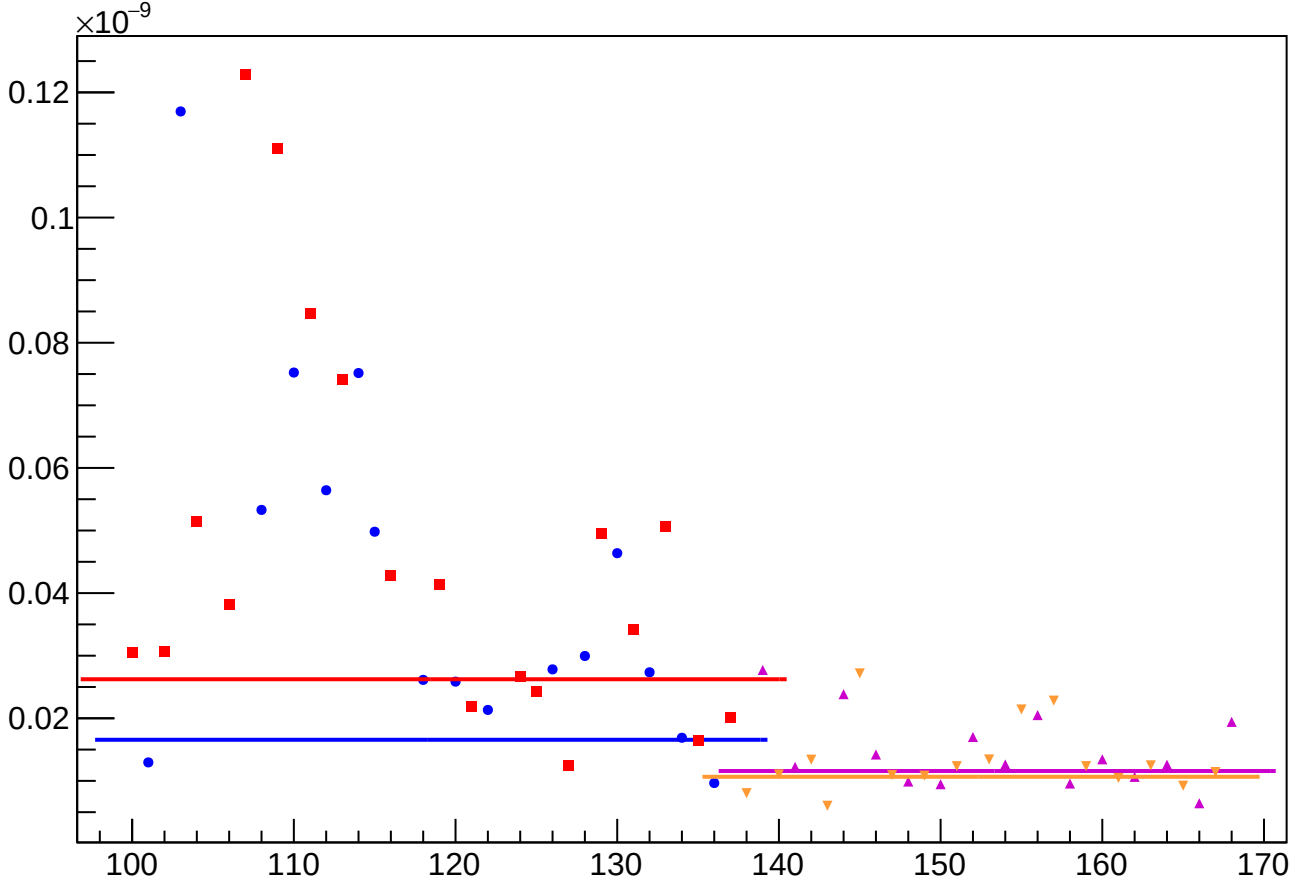
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:21.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 47.7/31

All: 0.000+/-0.000 χ^2/NDF: 102.4/65

- sign 0.000+/-0.000 χ^2/NDF: 53.7/33



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1773045.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

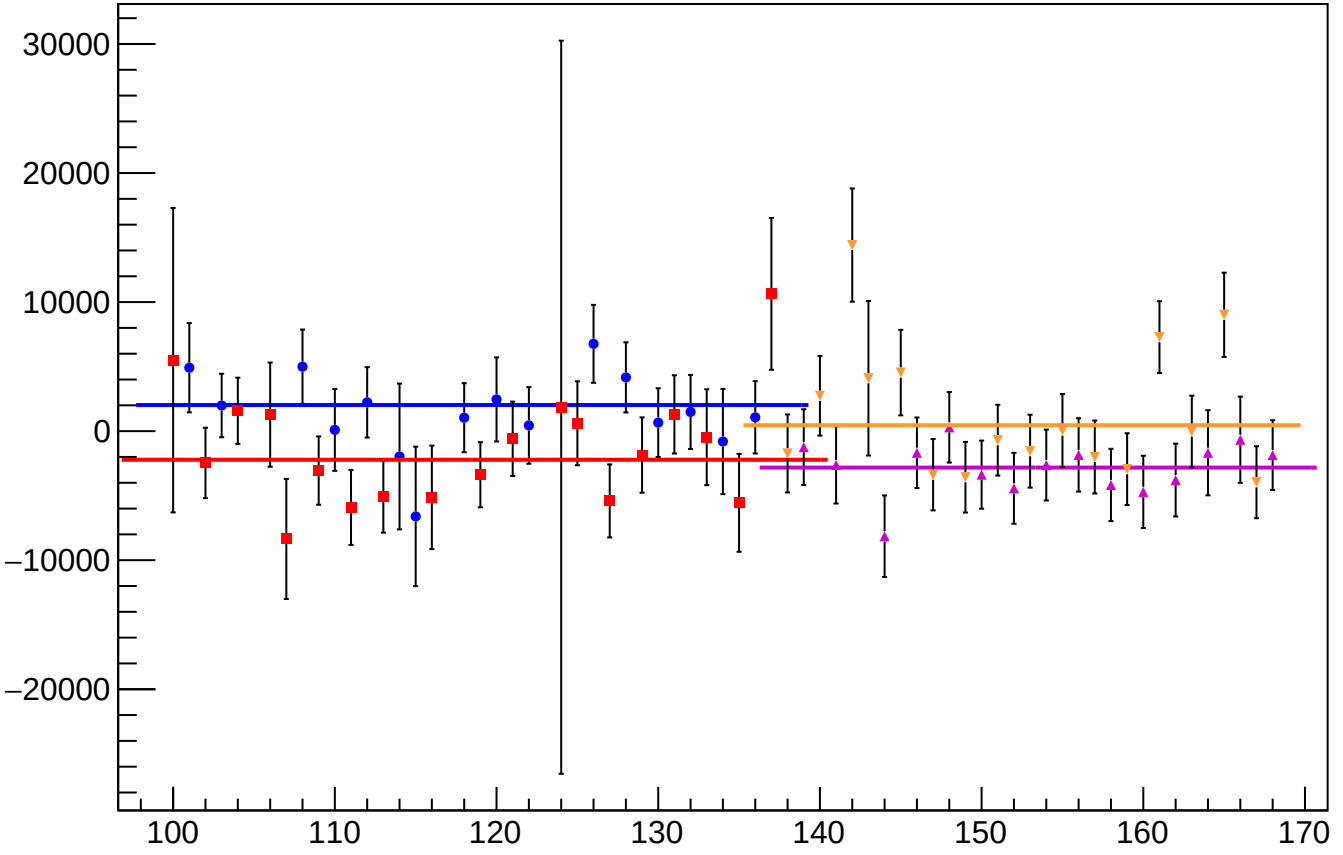
Left In: 0.000+/-0.000 χ^2/NDF:2054344.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 5203476.7/31

All: 0.000+/-0.000 χ^2/NDF: 11663740.3/65

- sign 0.000+/-0.000 χ^2/NDF: 6341013.6/33

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 460.006+/-751.871 χ^2/NDF:35.5/15

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

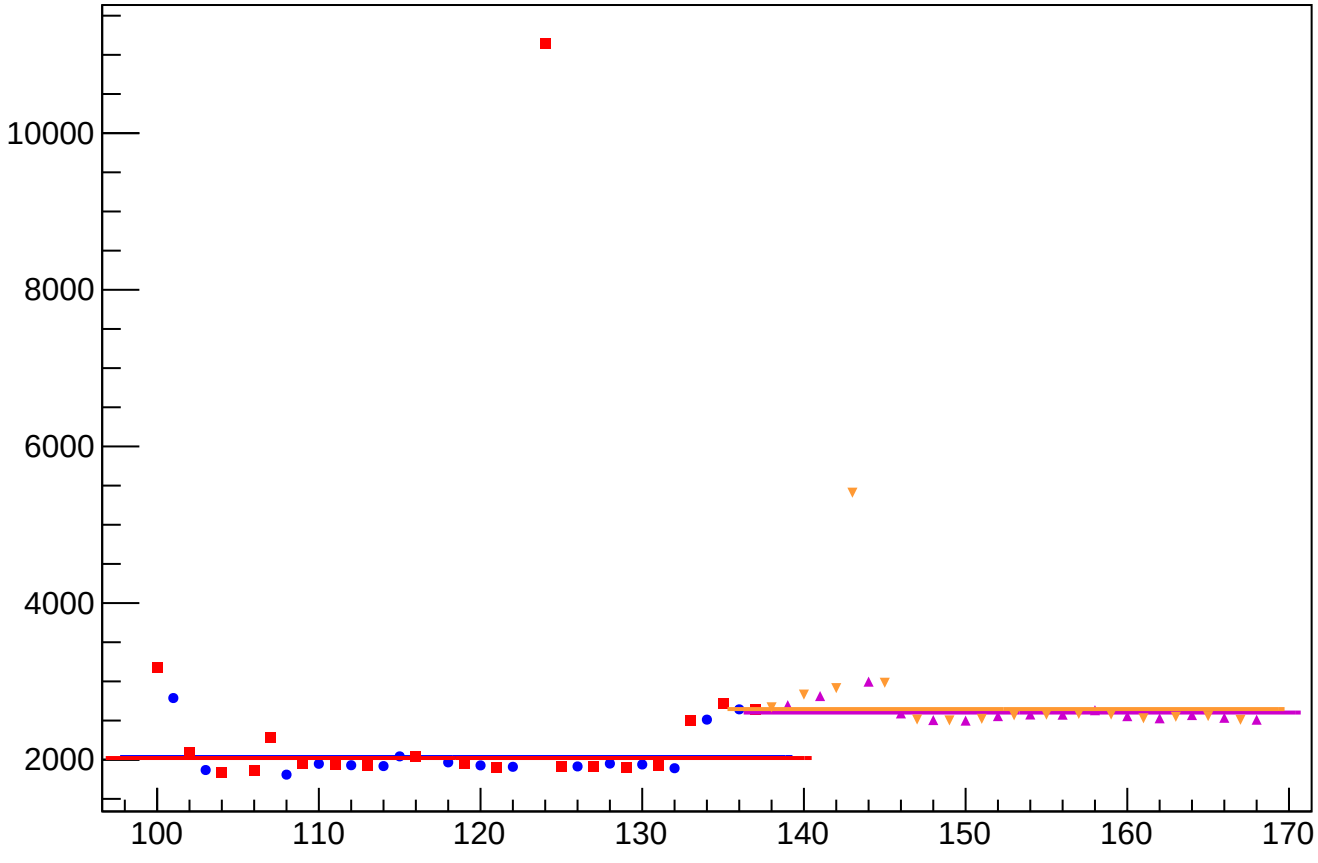
Left In: -2822.995+/-739.510 χ^2/NDF:6.6/14

+ sign 1228.480+/-536.013 χ^2/NDF: 47.3/31

All: -675.004+/-376.404 χ^2/NDF: 97.2/65

- sign -2526.862+/-528.694 χ^2/NDF: 25.0/33

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2646.574+/-0.532 χ^2/NDF:493113.2/15

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

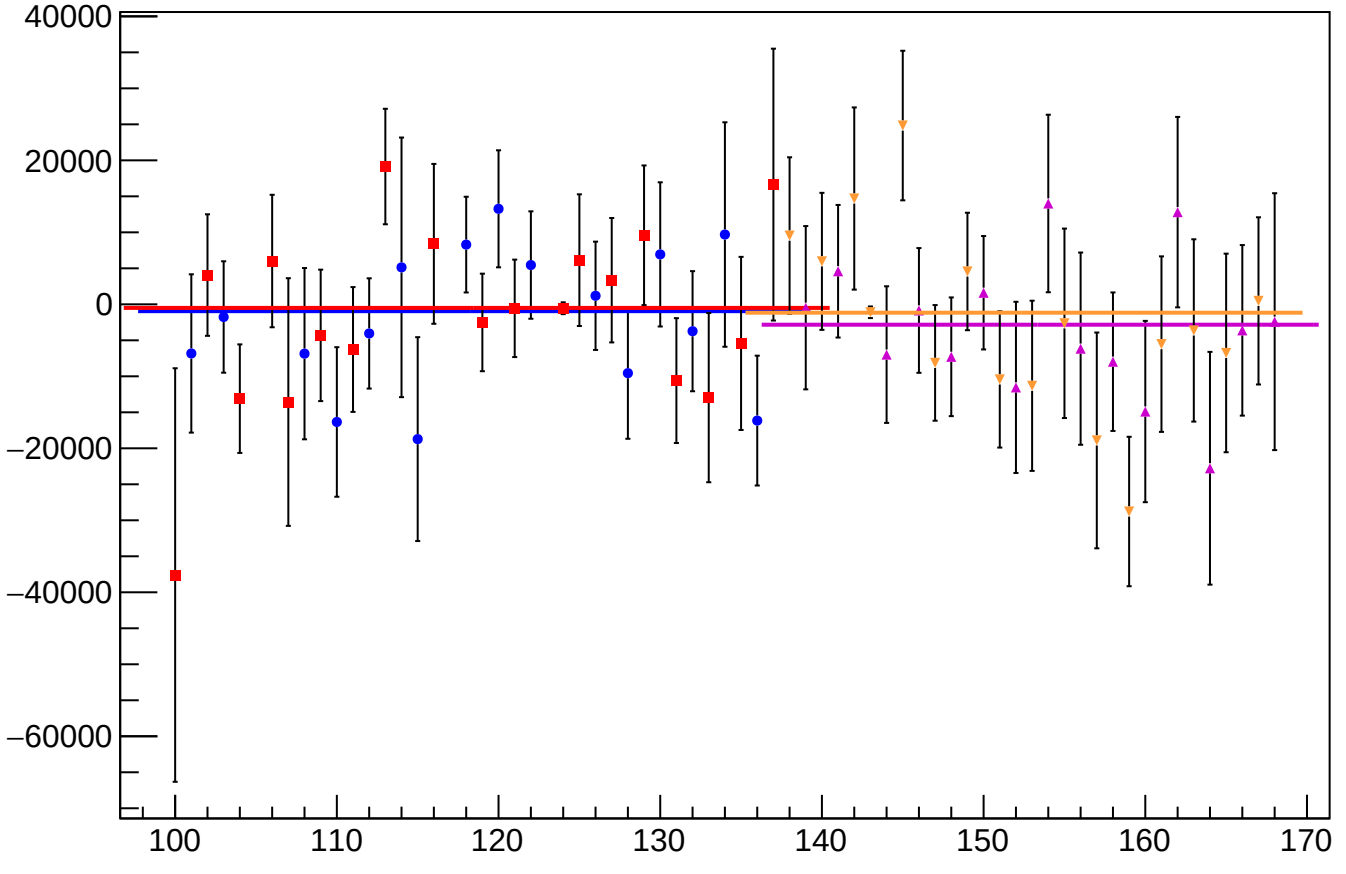
Left In: 2602.180+/-0.523 χ^2/NDF:54990.0/14

+ sign 2345.409+/-0.379 χ^2/NDF: 1408593.6/31

All: 2331.677+/-0.266 χ^2/NDF: 2459267.3/65

- sign 2318.317+/-0.374 χ^2/NDF: 1048084.0/33

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1164.911+/-775.232 χ^2/NDF:21.2/15

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

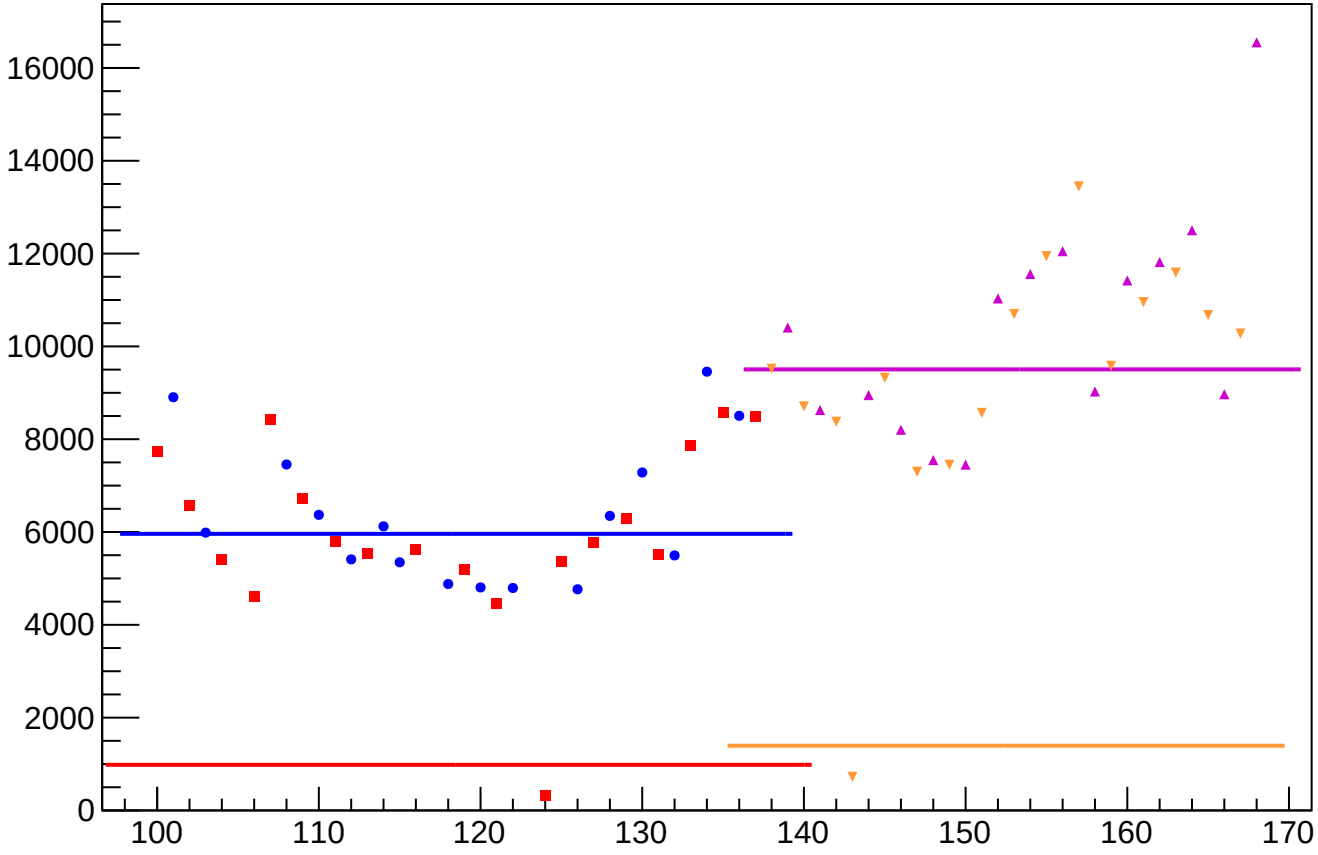
Left In: -2831.703+/-2762.727 χ^2/NDF:8.1/14

+ sign -1142.668+/-733.916 χ^2/NDF: 36.5/31

All: -905.826+/-521.164 χ^2/NDF: 64.0/65

- sign -664.913+/-740.198 χ^2/NDF: 27.3/33

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1395.218+/-0.548 χ^2/NDF:18445362.4/15

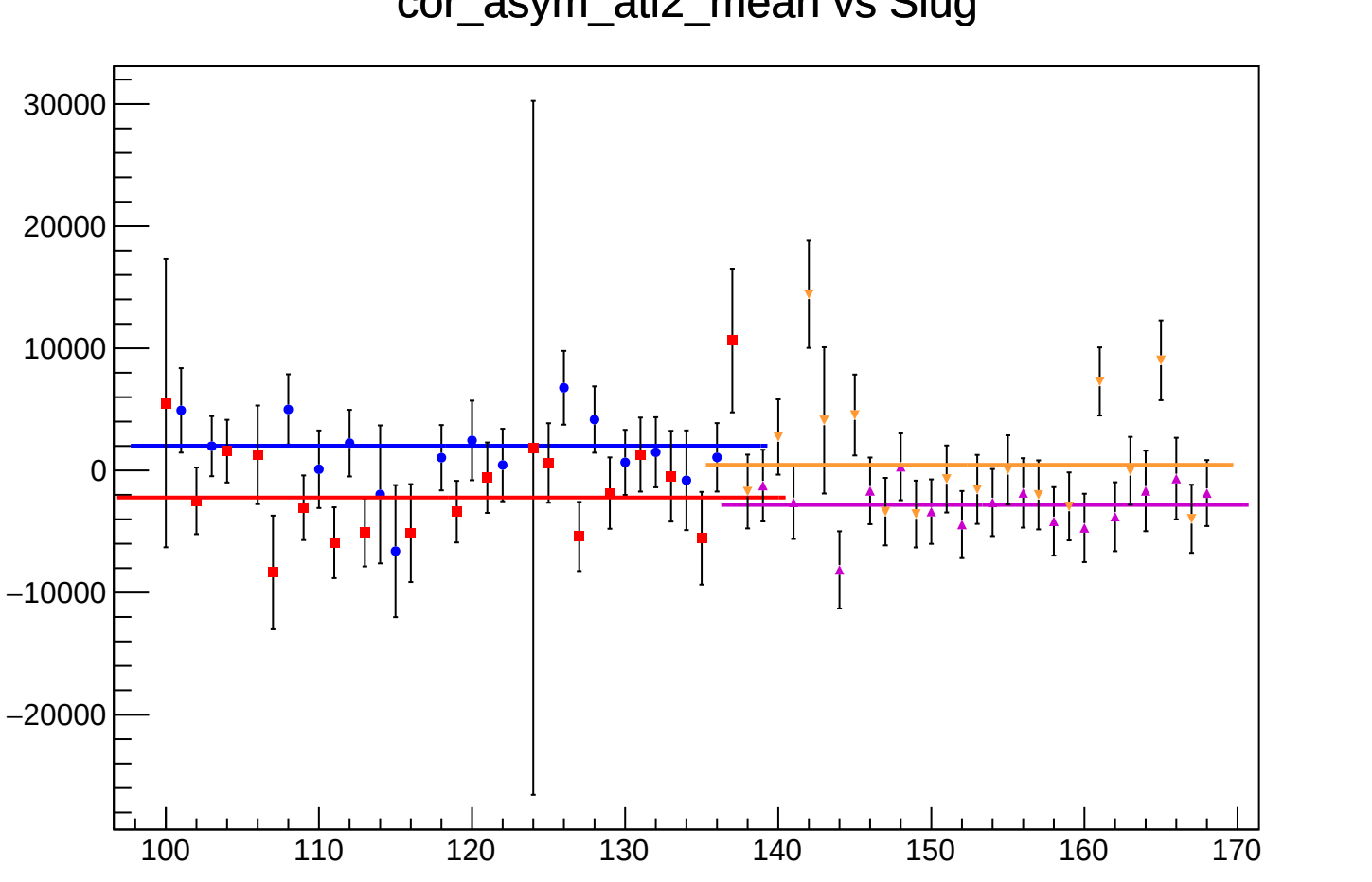
Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9504.771+/-1.954 χ^2/NDF:989642.5/14

+ sign 1868.891+/-0.519 χ^2/NDF: 26331477.0/31

All: 1733.118+/-0.369 χ^2/NDF: 56537526.0/6

- sign 1595.010+/-0.523 χ^2/NDF: 30067973.6/33



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 460.060+/-751.871 χ^2/NDF:35.5/15

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

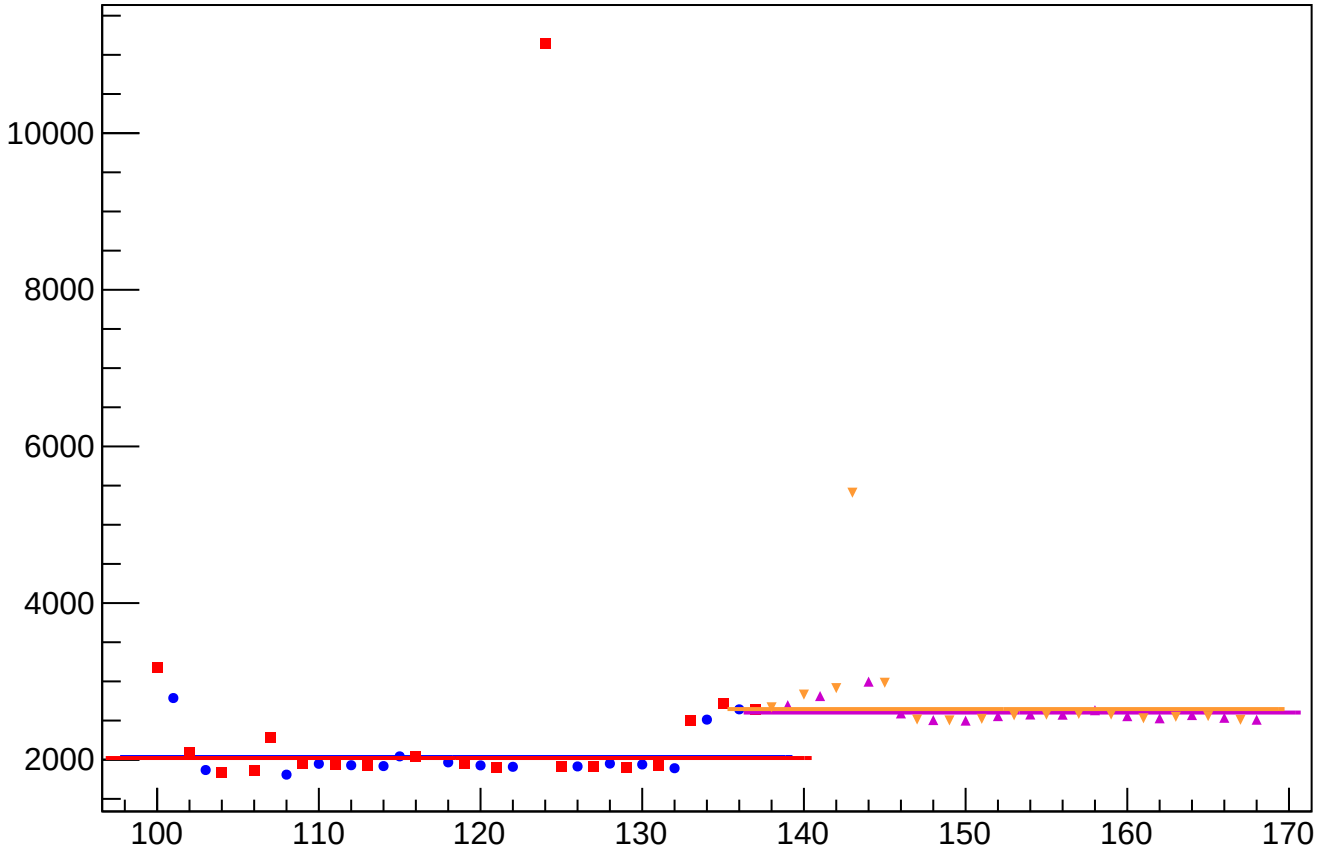
Left In: -2823.113+/-739.510 χ^2/NDF:6.6/14

+ sign 1228.570+/-536.013 χ^2/NDF: 47.3/31

All: -675.439+/-376.405 χ^2/NDF: 97.2/65

- sign -2527.824+/-528.696 χ^2/NDF: 25.1/33

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2646.574+/-0.532 χ^2/NDF:493113.1/15

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

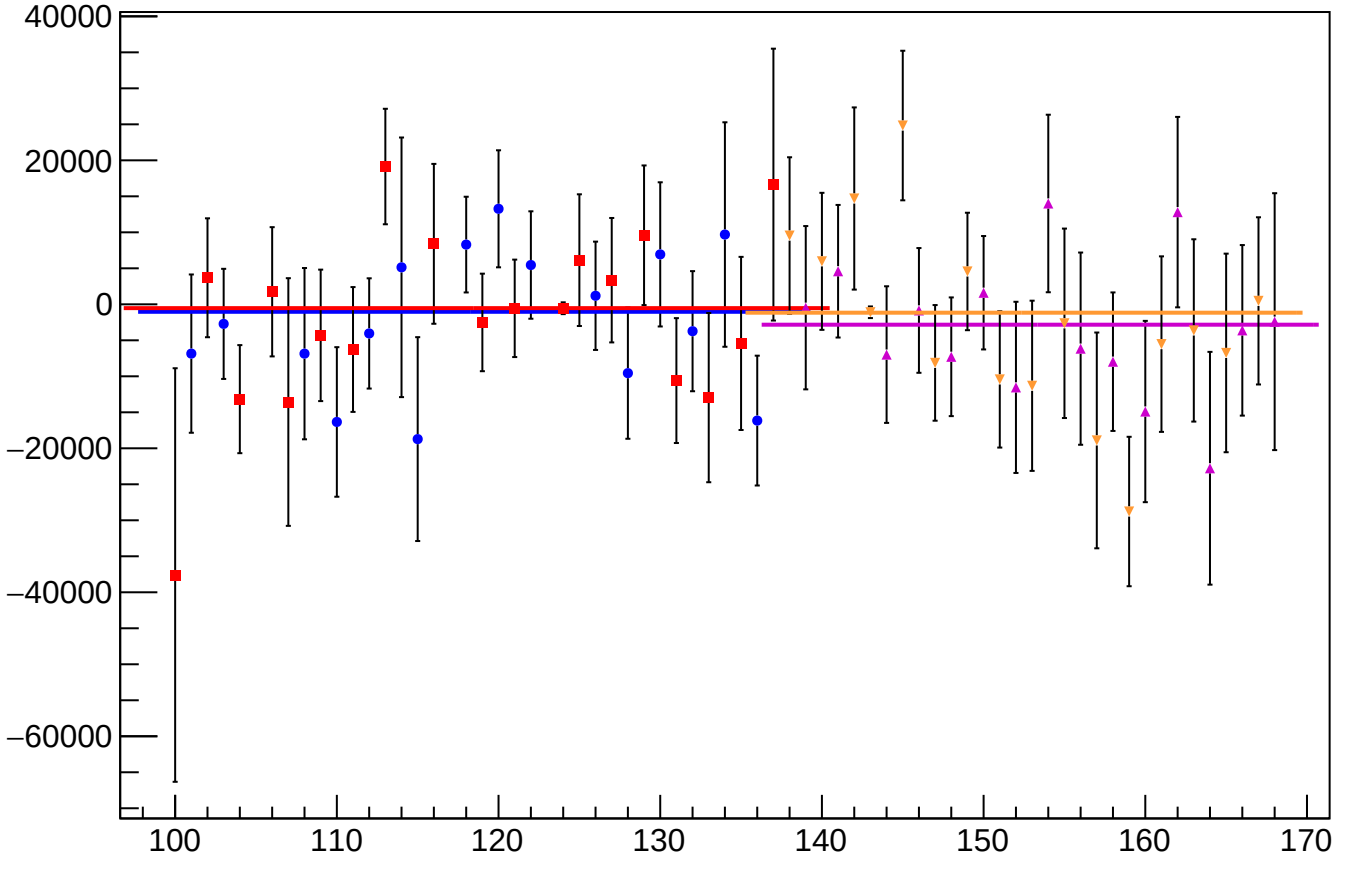
Left In: 2602.180+/-0.523 χ^2/NDF:54990.0/14

+ sign 2345.409+/-0.379 χ^2/NDF: 1408593.8/31

All: 2331.684+/-0.266 χ^2/NDF: 2459225.8/65

- sign 2318.331+/-0.374 χ^2/NDF: 1048044.8/33

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1164.663+/-775.163 χ^2/NDF:21.2/15

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

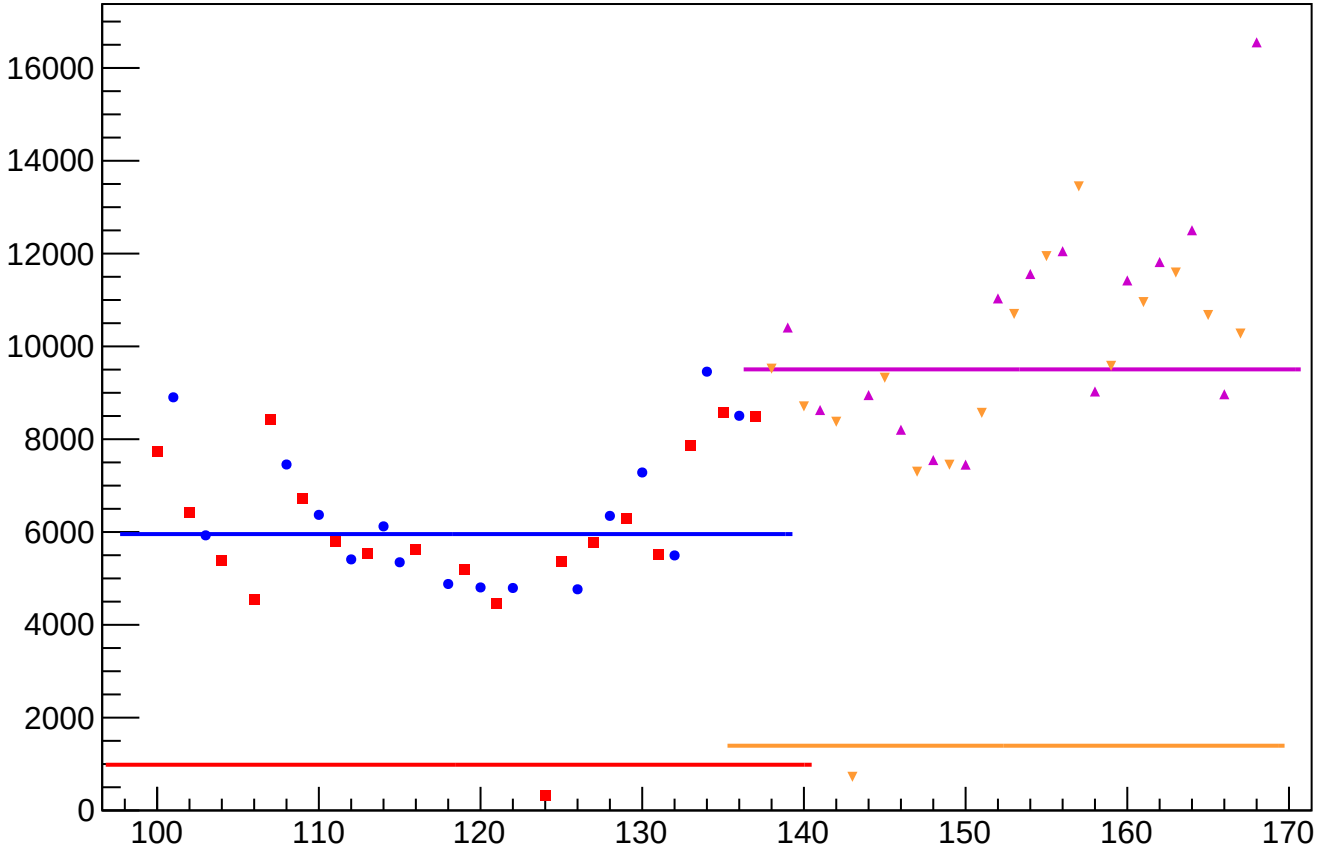
Left In: -2831.857+/-2762.725 χ^2/NDF:8.1/14

+ sign -1151.494+/-733.779 χ^2/NDF: 36.5/31

All: -925.495+/-521.009 χ^2/NDF: 63.5/65

- sign -695.713+/-739.895 χ^2/NDF: 26.8/33

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1395.035+/-0.548 χ^2/NDF:18445910.8/15

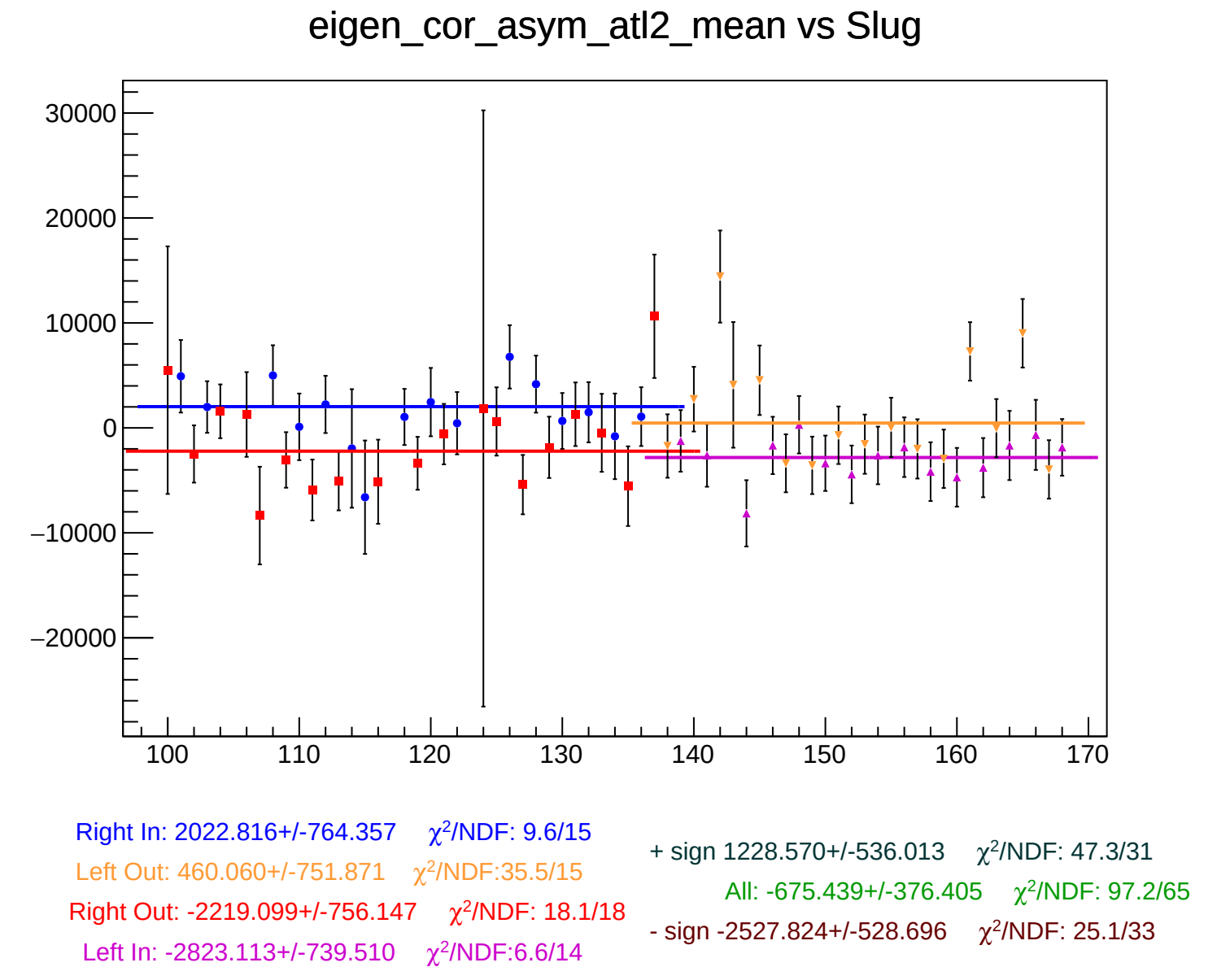
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9504.761+/-1.954 χ^2/NDF:989649.5/14

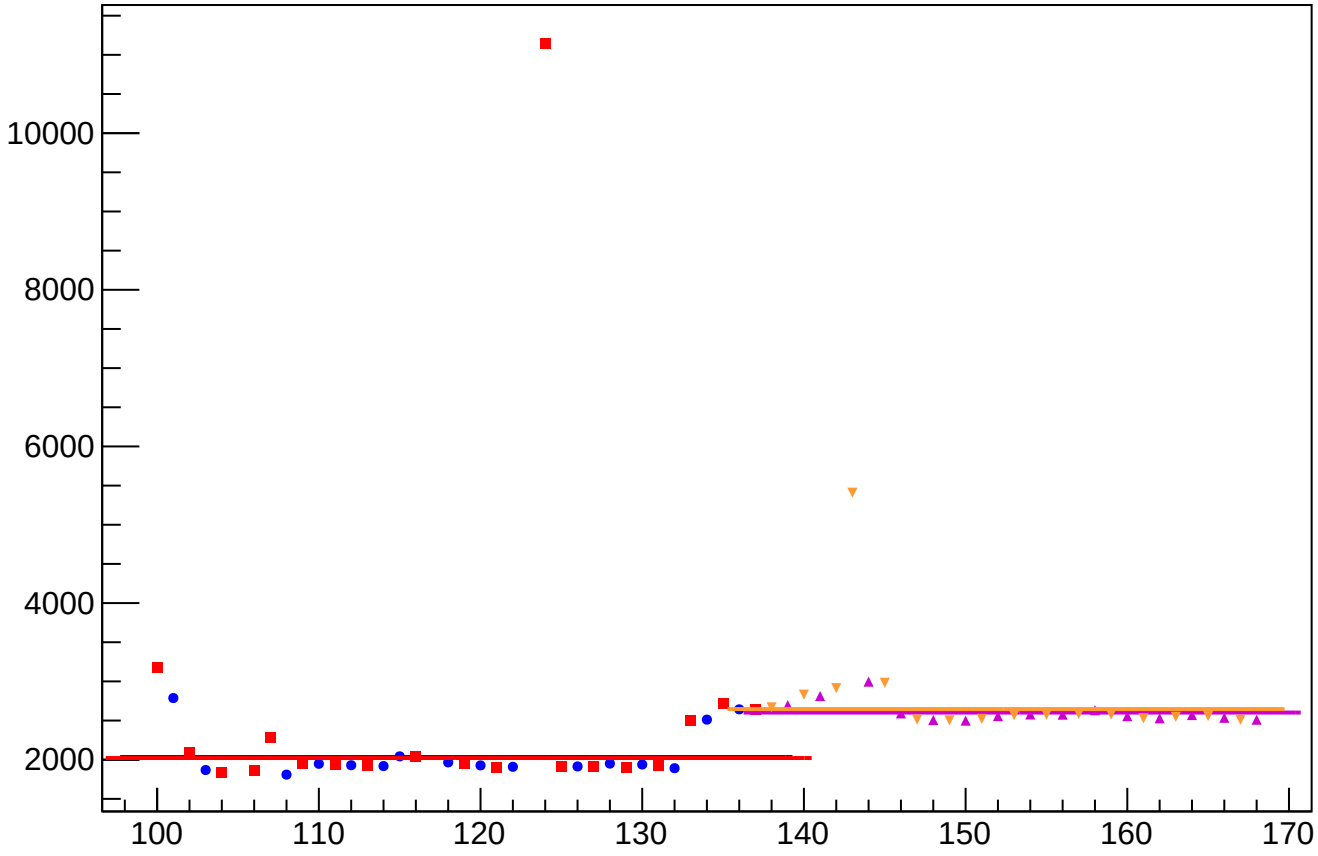
+ sign 1868.992+/-0.519 χ^2/NDF: 26329641.4/31

All: 1733.685+/-0.368 χ^2/NDF: 56524870.4/6

- sign 1596.113+/-0.523 χ^2/NDF: 30058080.3/33


eigen_cor_asym_atl2_mean vs Slug
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 2022.816+/-764.357 χ²/NDF: 9.6/15
Left Out: 460.060+/-751.871 χ²/NDF:35.5/15
Right Out: -2219.099+/-756.147 χ²/NDF: 18.1/18
Left In: -2823.113+/-739.510 χ²/NDF:6.6/14
+ sign 1228.570+/-536.013 χ²/NDF: 47.3/31
All: -675.439+/-376.405 χ²/NDF: 97.2/65
- sign -2527.824+/-528.696 χ²/NDF: 25.1/33

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2646.574+/-0.532 χ^2/NDF:493113.1/15

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

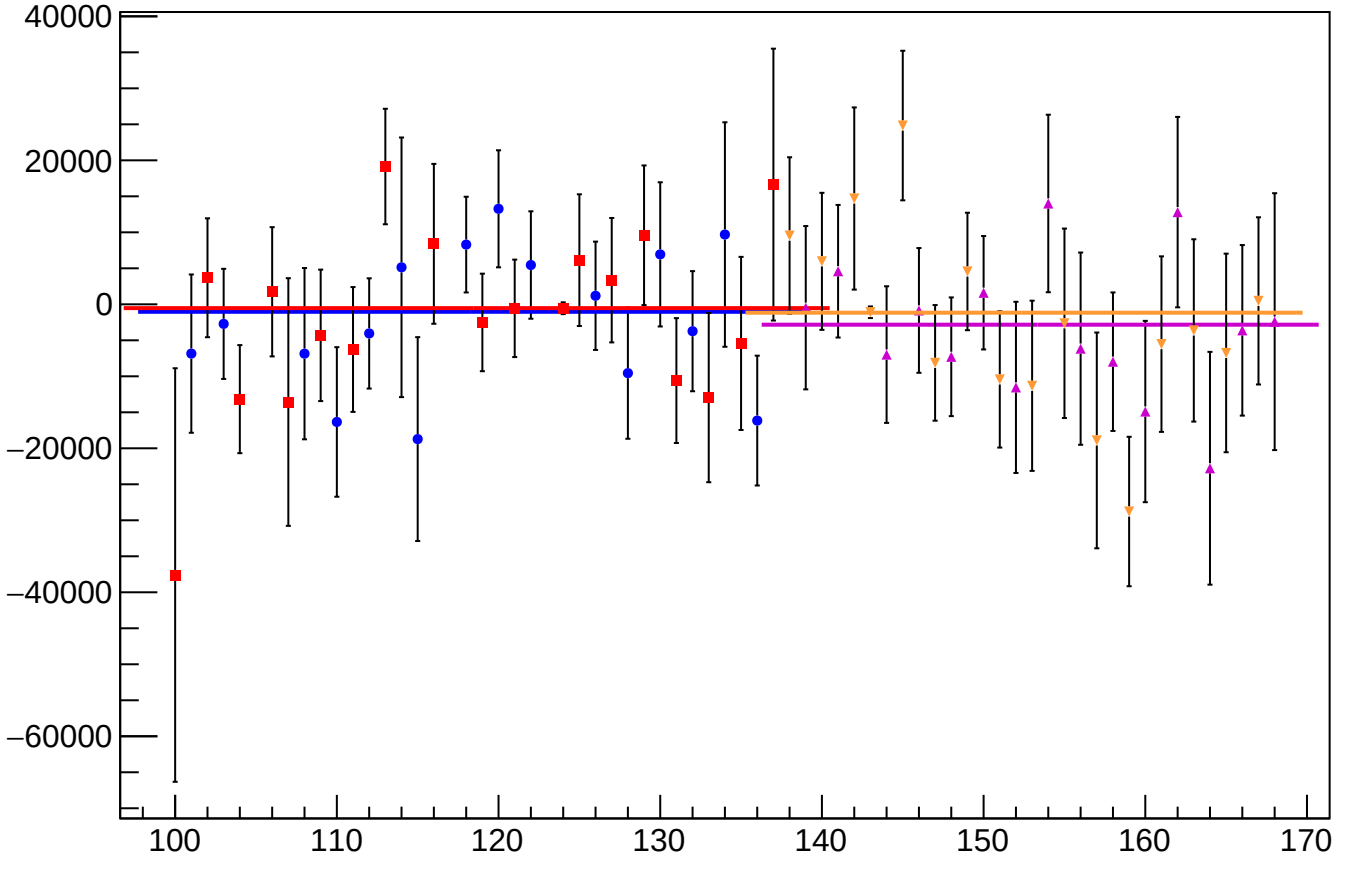
Left In: 2602.180+/-0.523 χ^2/NDF:54990.0/14

+ sign 2345.409+/-0.379 χ^2/NDF: 1408593.8/31

All: 2331.684+/-0.266 χ^2/NDF: 2459225.8/65

- sign 2318.331+/-0.374 χ^2/NDF: 1048044.8/33

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1164.663+/-775.163 χ^2/NDF:21.2/15

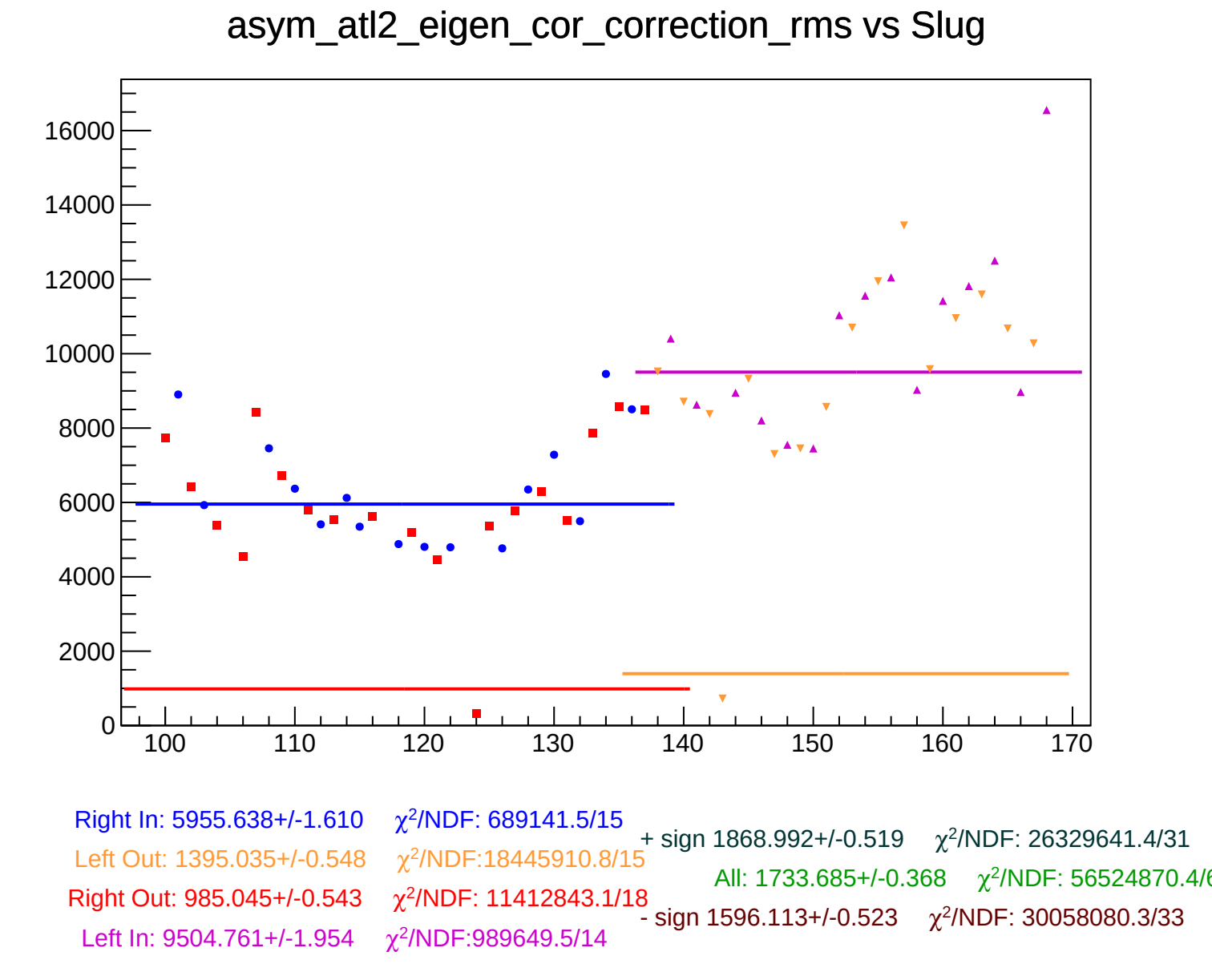
Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: -2831.857+/-2762.725 χ^2/NDF:8.1/14

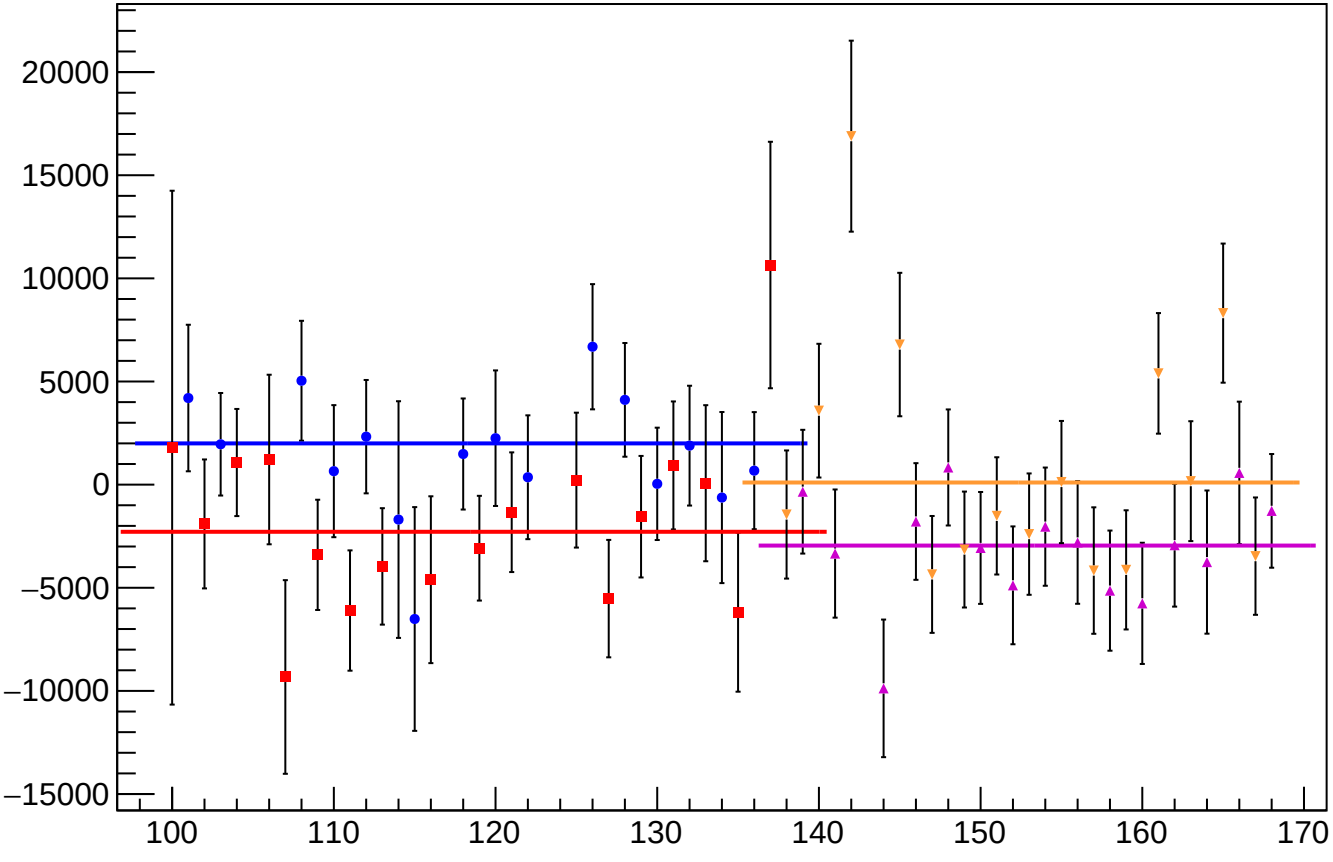
+ sign -1151.494+/-733.779 χ^2/NDF: 36.5/31

All: -925.495+/-521.009 χ^2/NDF: 63.5/65

- sign -695.713+/-739.895 χ^2/NDF: 26.8/33


asym_atl2_eigen_cor_correction_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
2000
0
100
110
120
130
140
150
160
170
Right In: 5955.638+/-1.610 χ²/NDF: 689141.5/15
Left Out: 1395.035+/-0.548 χ²/NDF:18445910.8/15
Right Out: 985.045+/-0.543 χ²/NDF: 11412843.1/18
Left In: 9504.761+/-1.954 χ²/NDF:989649.5/14
+ sign 1868.992+/-0.519 χ²/NDF: 26329641.4/31
All: 1733.685+/-0.368 χ²/NDF: 56524870.4/6
- sign 1596.113+/-0.523 χ²/NDF: 30058080.3/33

dit_asym_atl2_mean vs Slug



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 103.262+/-789.117 χ^2/NDF:38.0/14

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

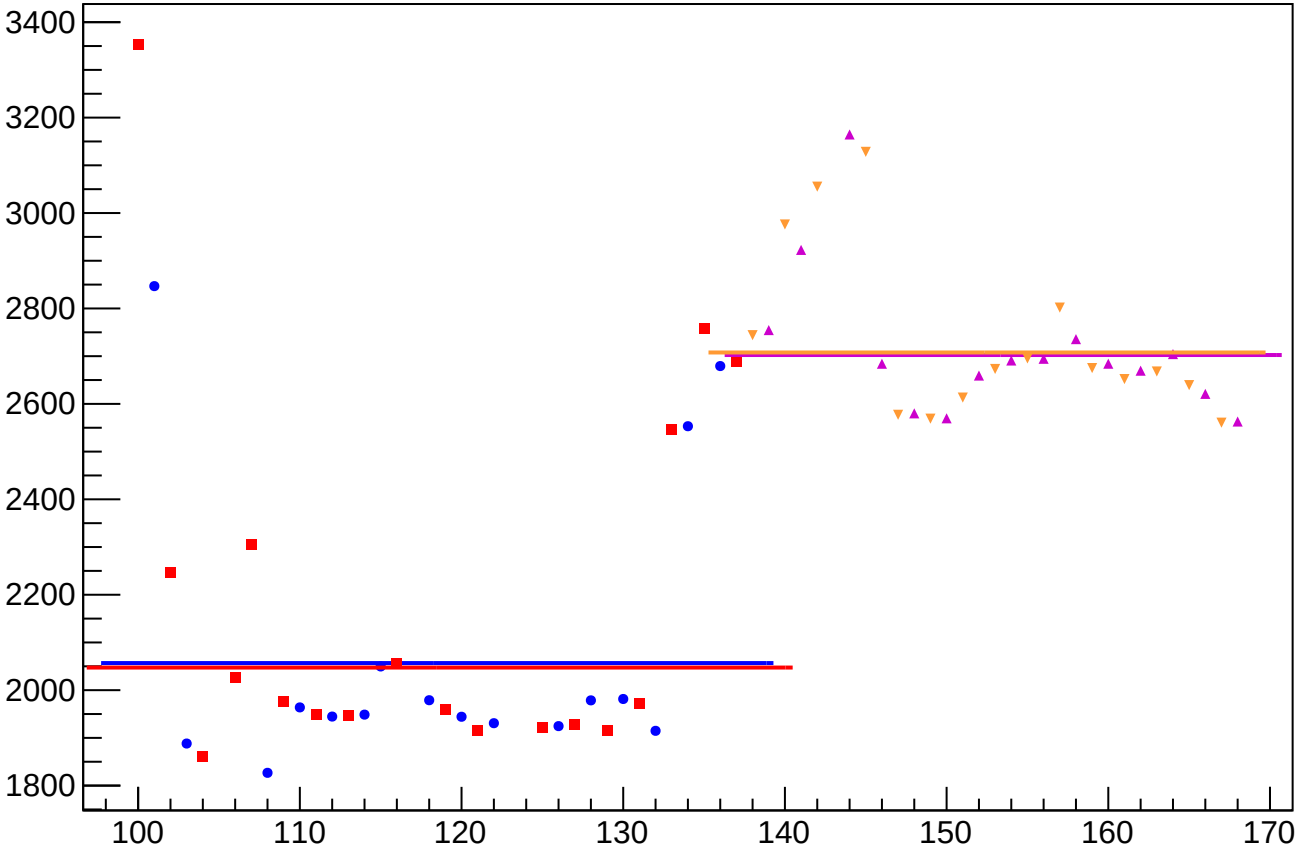
Left In: -2954.299+/-768.239 χ^2/NDF:10.6/14

+ sign 1070.138+/-552.400 χ^2/NDF: 49.9/30

All: -802.888+/-387.712 χ^2/NDF: 100.2/63

- sign -2621.428+/-544.306 χ^2/NDF: 27.6/32

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2707.745+/-0.558 χ^2/NDF:75550.7/14

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

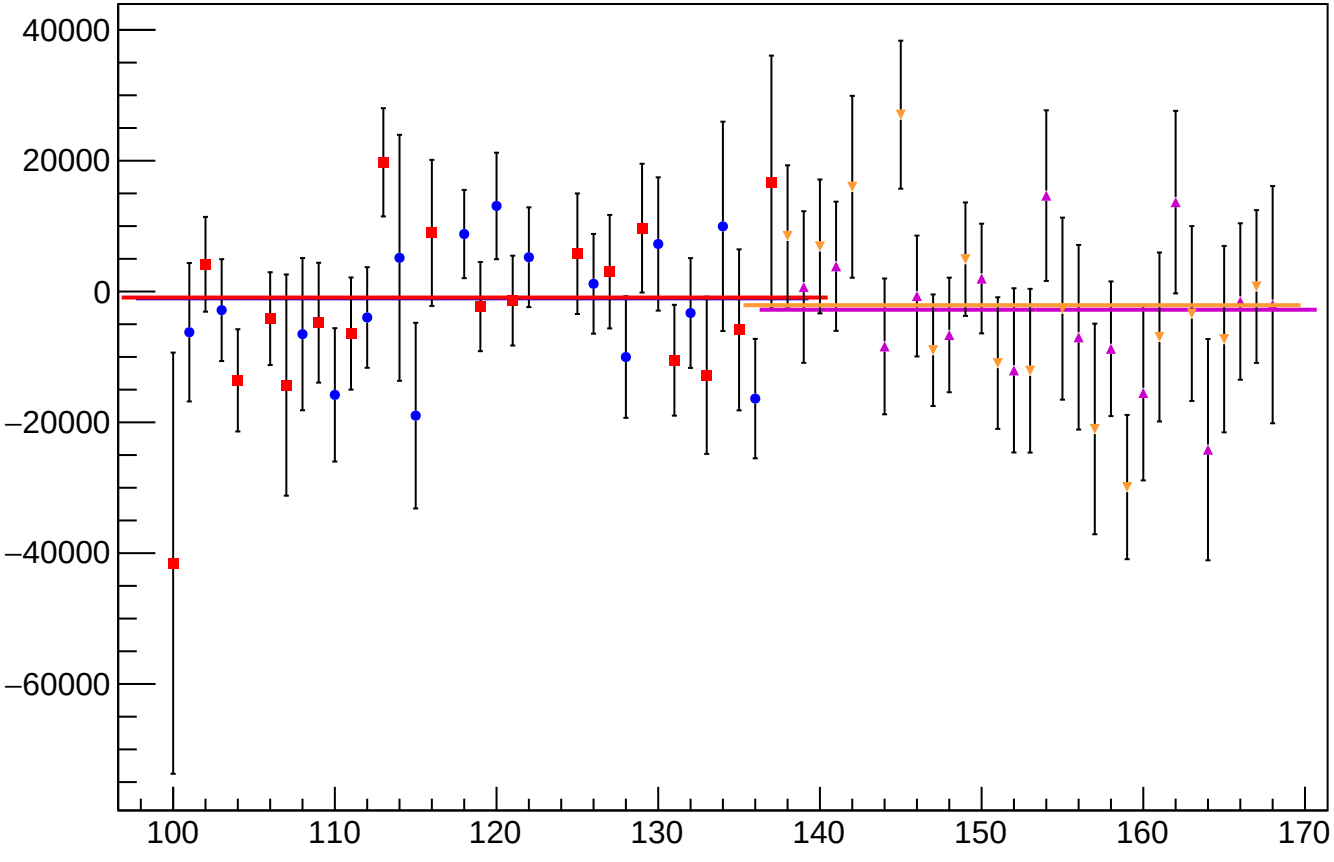
Left In: 2702.418+/-0.543 χ^2/NDF:65021.6/14

+ sign 2375.781+/-0.391 χ^2/NDF: 1040047.4/30

All: 2375.748+/-0.274 χ^2/NDF: 2026764.8/63

- sign 2375.716+/-0.385 χ^2/NDF: 986717.4/32

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -2090.224+/-2942.601 χ^2/NDF:20.9/14

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

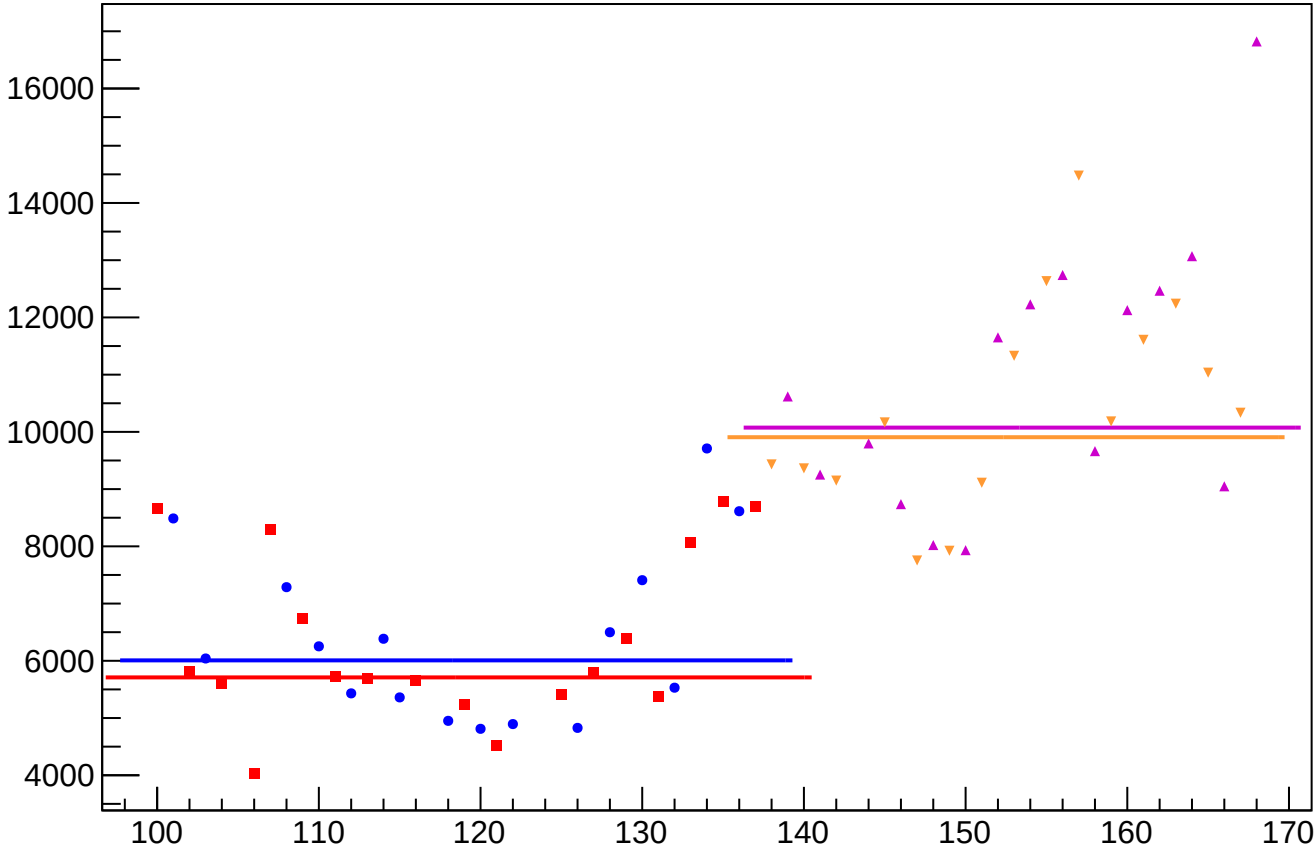
Left In: -2782.108+/-2924.774 χ^2/NDF:8.1/14

+ sign -1438.692+/-1809.488 χ^2/NDF: 36.3/30

All: -1508.948+/-1251.500 χ^2/NDF: 62.9/63

- sign -1573.372+/-1732.778 χ^2/NDF: 26.7/32

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9906.909+/-2.081 χ^2/NDF:637142.3/14

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

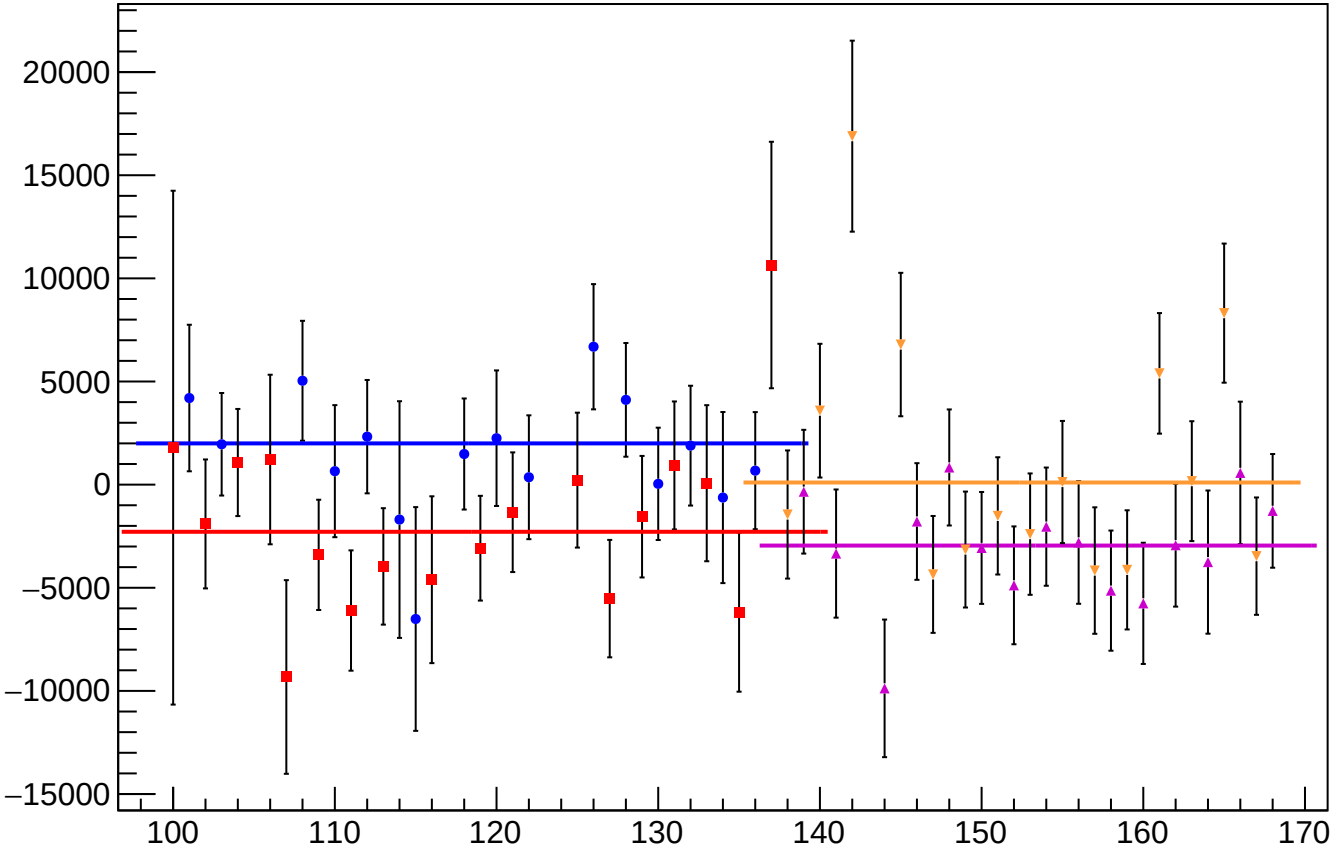
Left In: 10074.591+/-2.068 χ^2/NDF:922885.0/14

+ sign 7481.963+/-1.280 χ^2/NDF: 3475259.9/30

All: 7356.729+/-0.885 χ^2/NDF: 7843113.9/63

- sign 7241.888+/-1.225 χ^2/NDF: 4349489.2/32

eigen_dit_asym_atl2_mean vs Slug



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 103.251+/-789.118 χ^2/NDF:38.0/14

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

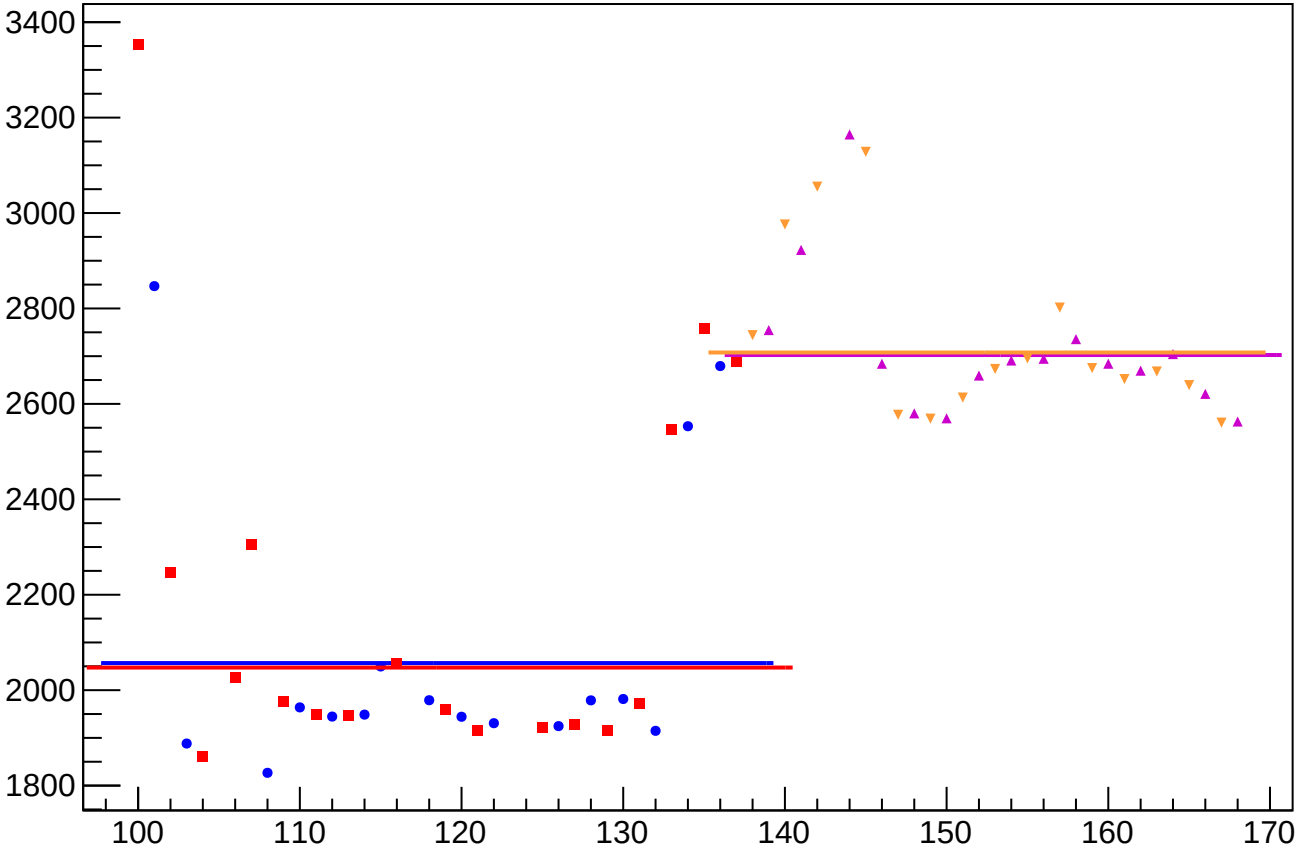
Left In: -2954.300+/-768.240 χ^2/NDF:10.6/14

+ sign 1070.136+/-552.400 χ^2/NDF: 49.9/30

All: -802.890+/-387.712 χ^2/NDF: 100.2/63

- sign -2621.430+/-544.306 χ^2/NDF: 27.6/32

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2707.748+/-0.558 χ^2/NDF:75552.1/14

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

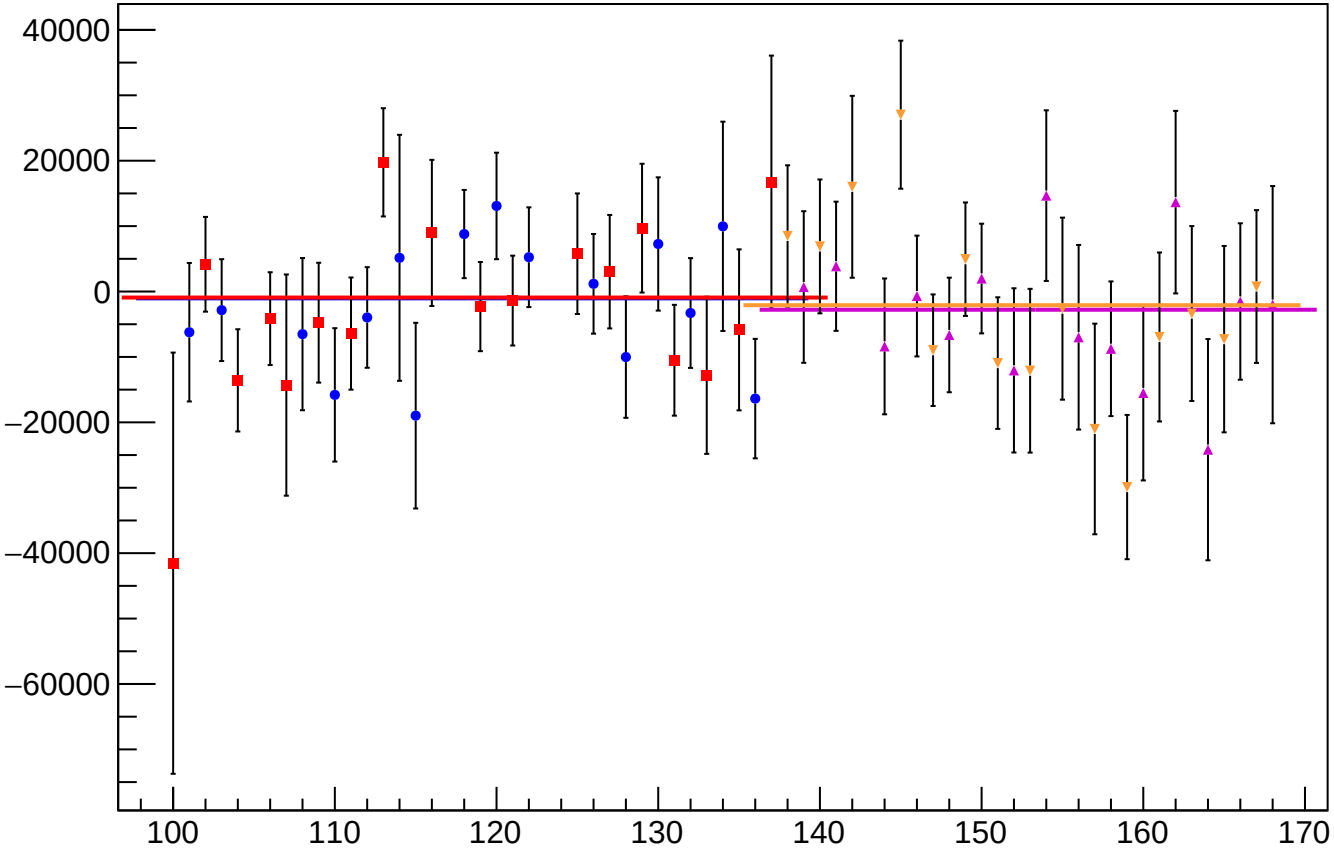
Left In: 2702.421+/-0.543 χ^2/NDF:65022.3/14

+ sign 2375.782+/-0.391 χ^2/NDF: 1040053.7/30

All: 2375.749+/-0.274 χ^2/NDF: 2026778.0/63

- sign 2375.717+/-0.385 χ^2/NDF: 986724.3/32

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -2090.236+/-2942.605 χ^2/NDF:20.9/14

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

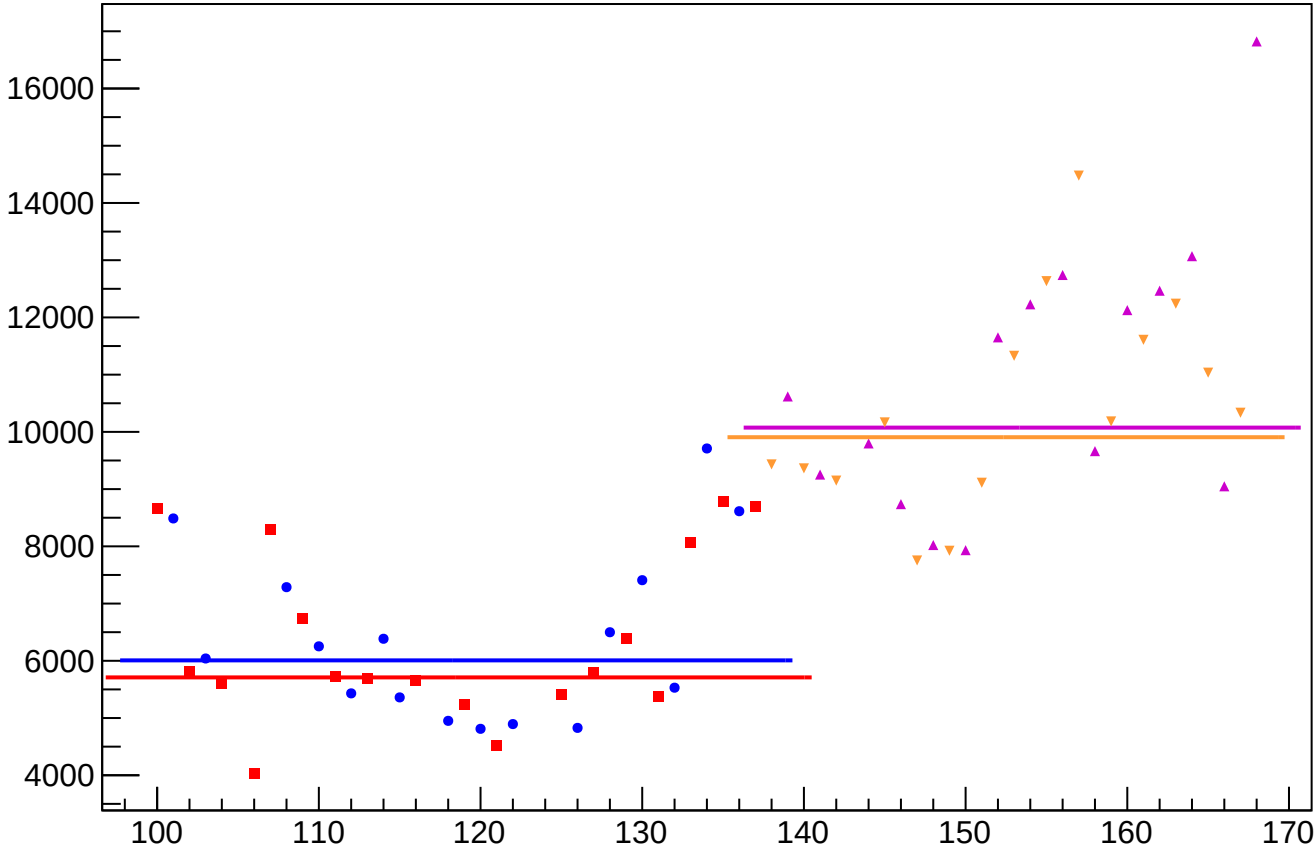
Left In: -2782.108+/-2924.778 χ^2/NDF:8.1/14

+ sign -1438.687+/-1809.486 χ^2/NDF: 36.3/30

All: -1508.945+/-1251.498 χ^2/NDF: 62.9/63

- sign -1573.372+/-1732.776 χ^2/NDF: 26.7/32

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9906.923+/-2.081 χ^2/NDF:637145.6/14

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

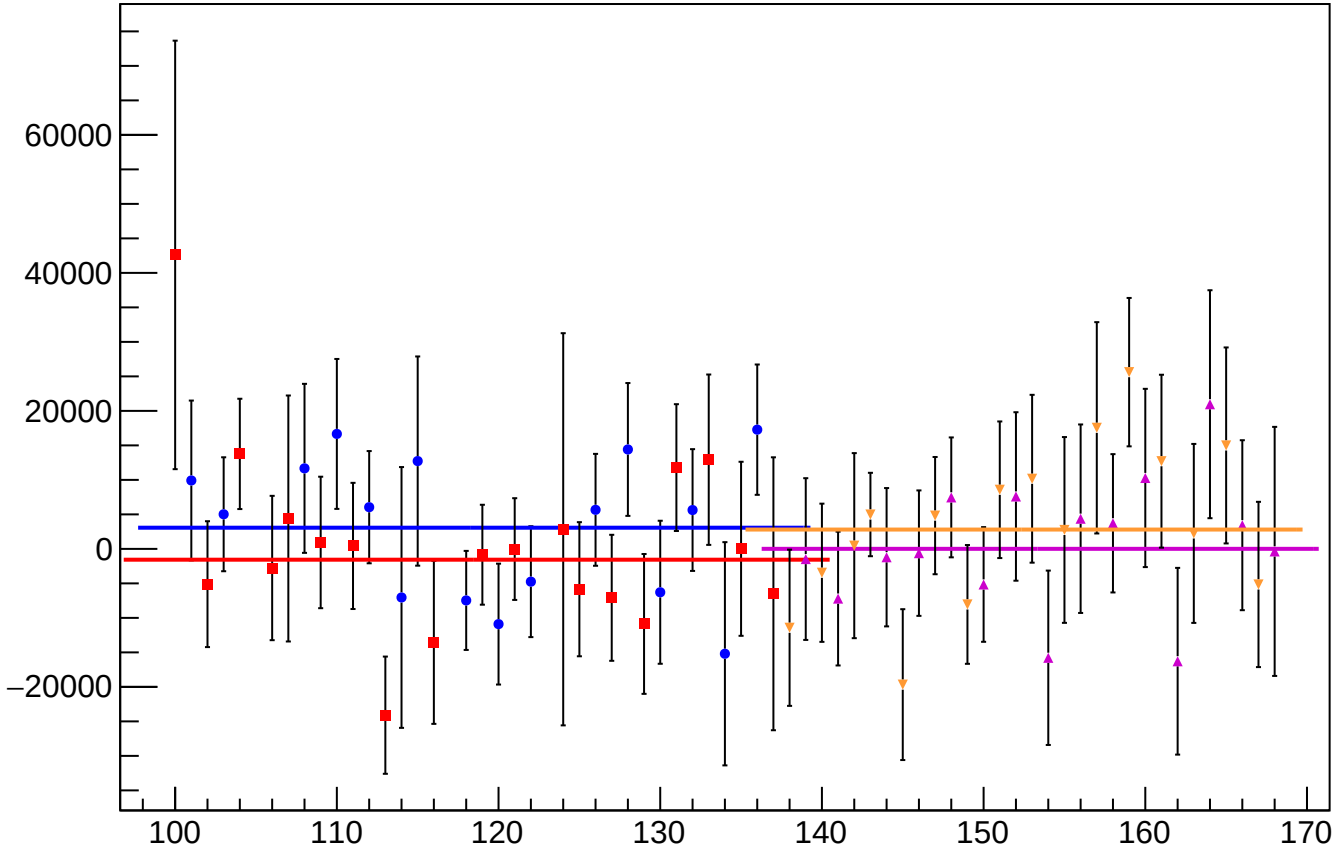
Left In: 10074.604+/-2.068 χ^2/NDF:922888.2/14

+ sign 7481.948+/-1.279 χ^2/NDF: 3475309.8/30

All: 7356.714+/-0.885 χ^2/NDF: 7843211.1/63

- sign 7241.873+/-1.225 χ^2/NDF: 4349536.5/32

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 2801.215+/-2616.518 χ^2/NDF:15.9/15

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

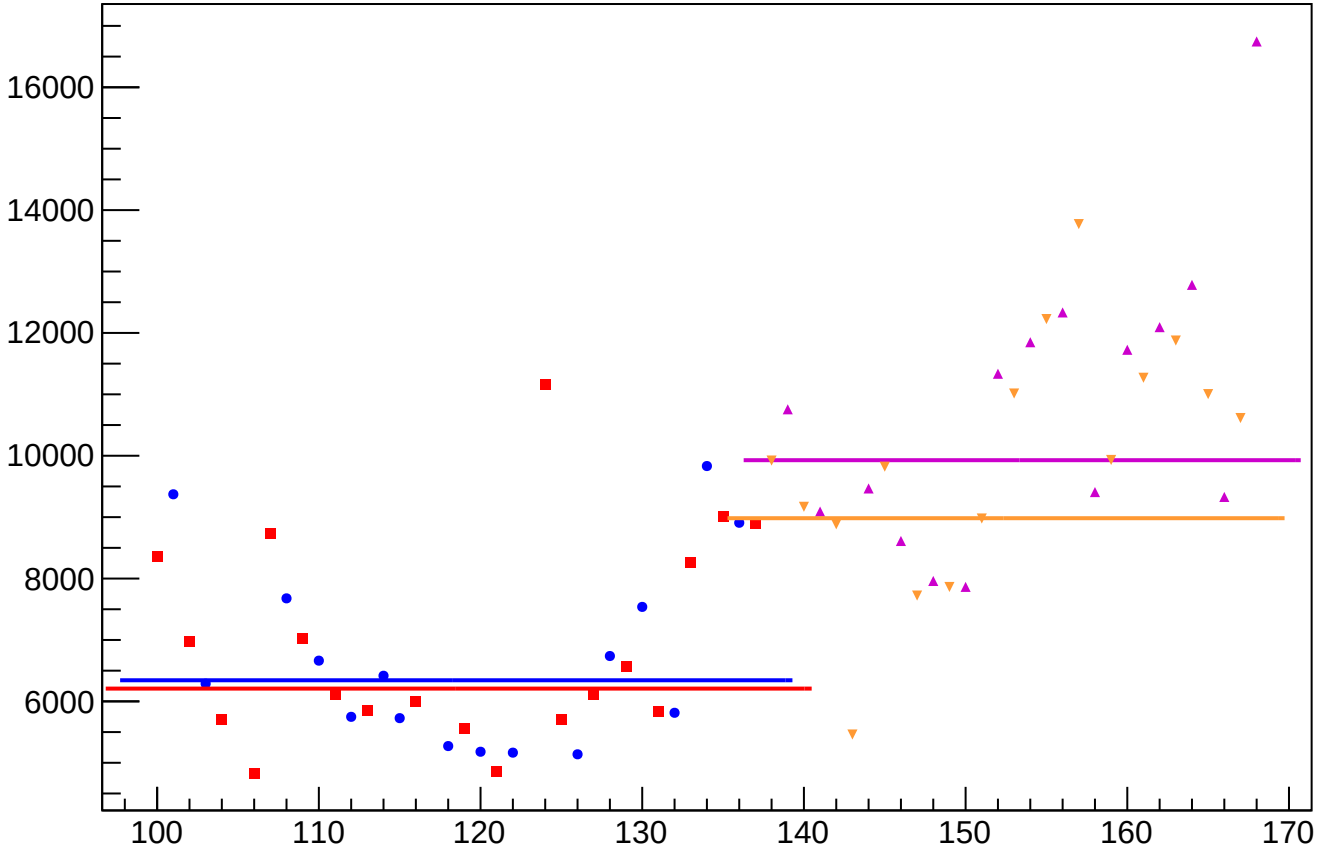
Left In: 7.075+/-2877.582 χ^2/NDF:7.7/14

+ sign 2946.197+/-1776.900 χ^2/NDF: 30.8/31

All: 1041.898+/-1269.226 χ^2/NDF: 60.2/65

- sign -941.821+/-1813.575 χ^2/NDF: 27.1/33

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8982.830+/-1.850 χ^2/NDF:1410260.0/15

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

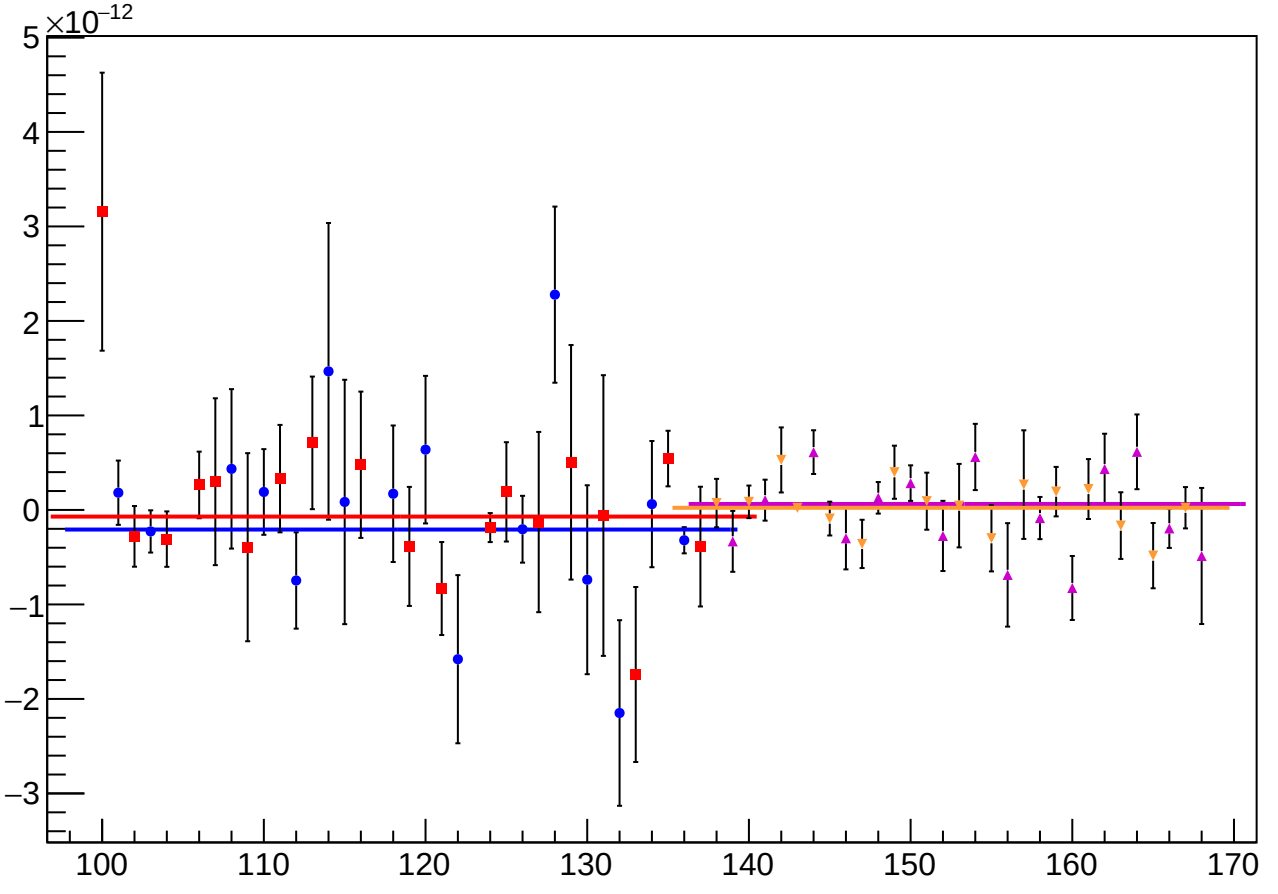
Left In: 9927.552+/-2.035 χ^2/NDF:876892.1/14

+ sign 7560.887+/-1.256 χ^2/NDF: 3127750.6/31

All: 7621.913+/-0.897 χ^2/NDF: 6495500.2/65

- sign 7685.484+/-1.282 χ^2/NDF: 3362933.1/33

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:11.1/15

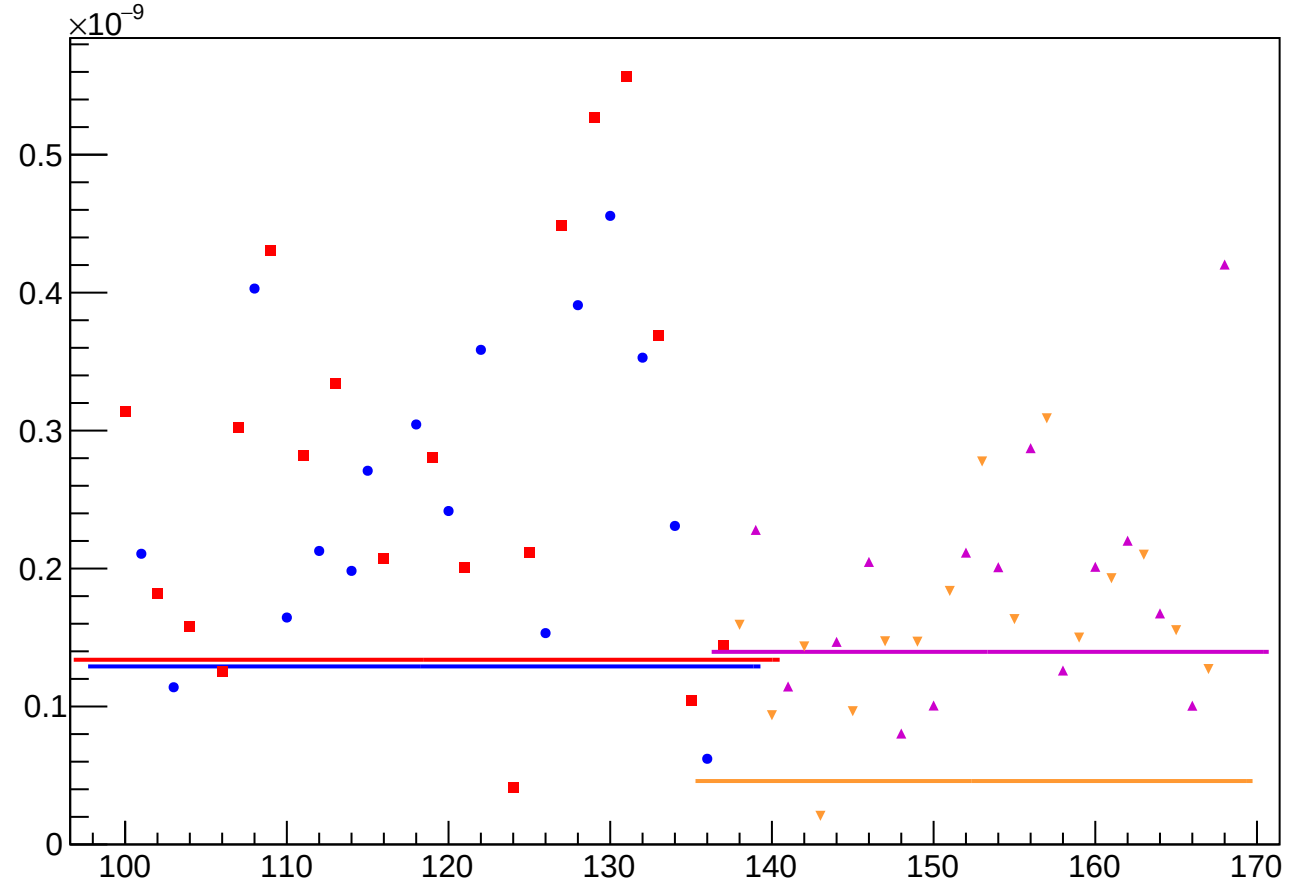
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:27.0/14

+ sign -0.000+/-0.000 χ^2/NDF: 37.3/31

All: 0.000+/-0.000 χ^2/NDF: 86.5/65

- sign 0.000+/-0.000 χ^2/NDF: 49.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5706450.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

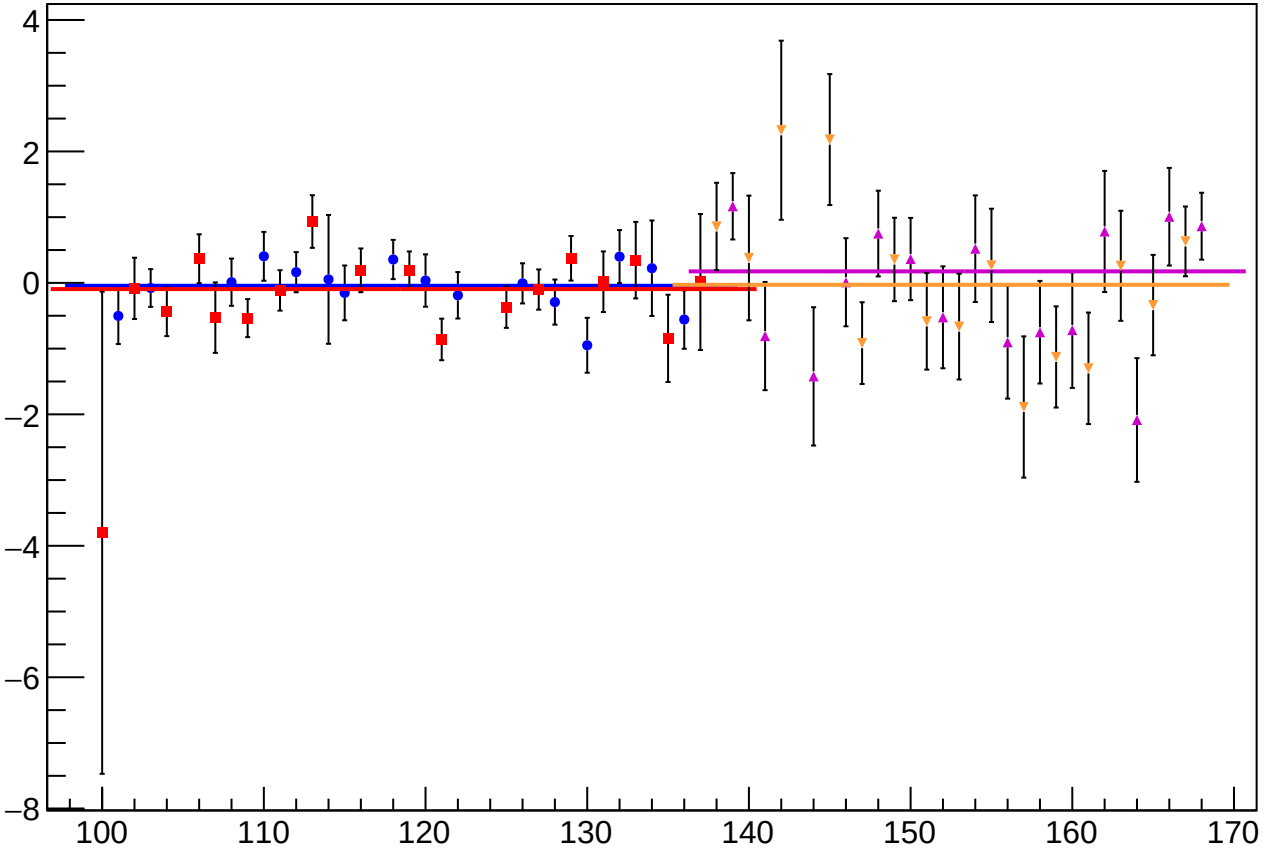
Left In: 0.000+/-0.000 χ^2/NDF:1428022.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 8795954.6/31

All: 0.000+/-0.000 χ^2/NDF: 15972384.1/65

- sign 0.000+/-0.000 χ^2/NDF: 3737217.0/33

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.029+/-0.199 χ^2/NDF:22.7/14

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

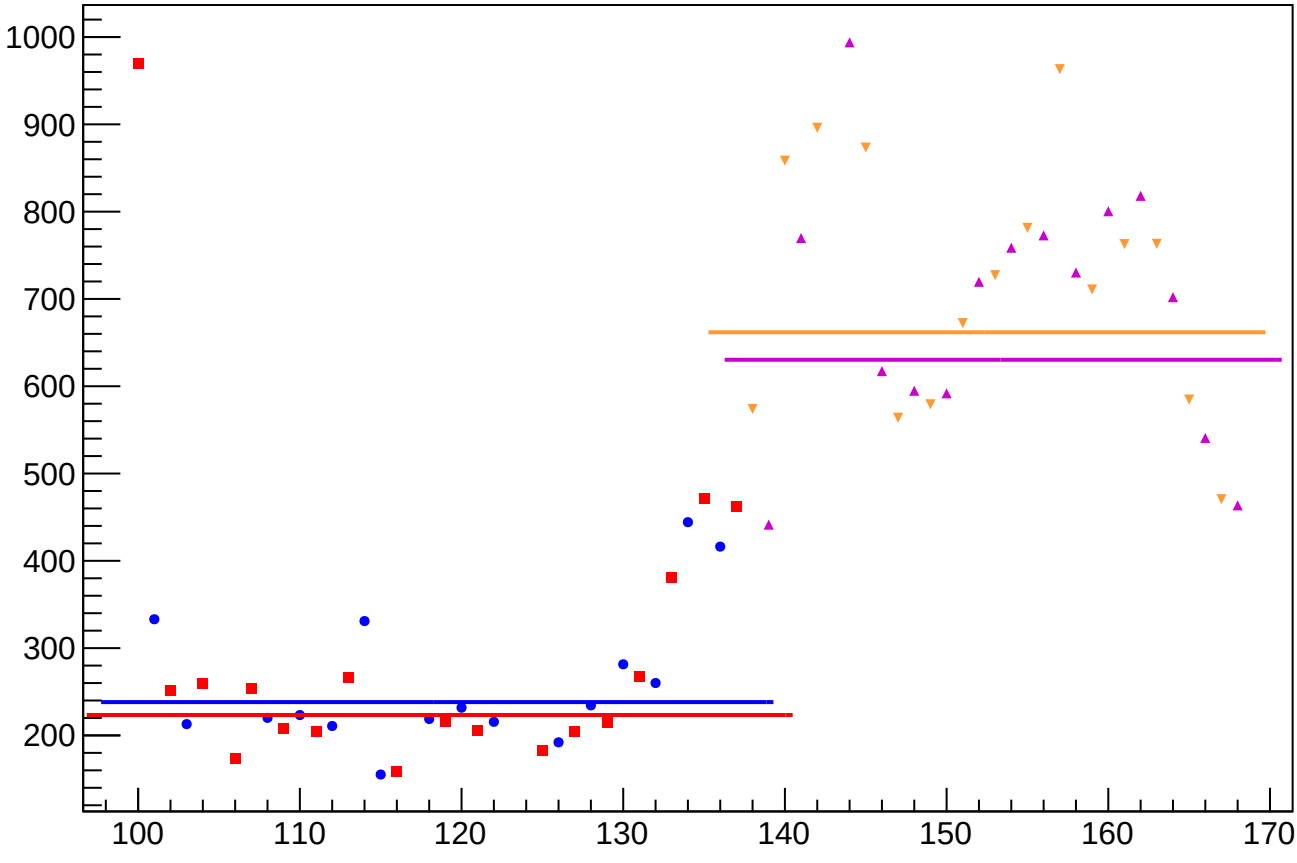
Left In: 0.175+/-0.186 χ^2/NDF:22.8/14

+ sign -0.041+/-0.085 χ^2/NDF: 35.8/30

All: -0.042+/-0.059 χ^2/NDF: 85.6/63

- sign -0.043+/-0.081 χ^2/NDF: 49.8/32

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 661.776+/-0.140 χ^2/NDF:908869.6/14

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

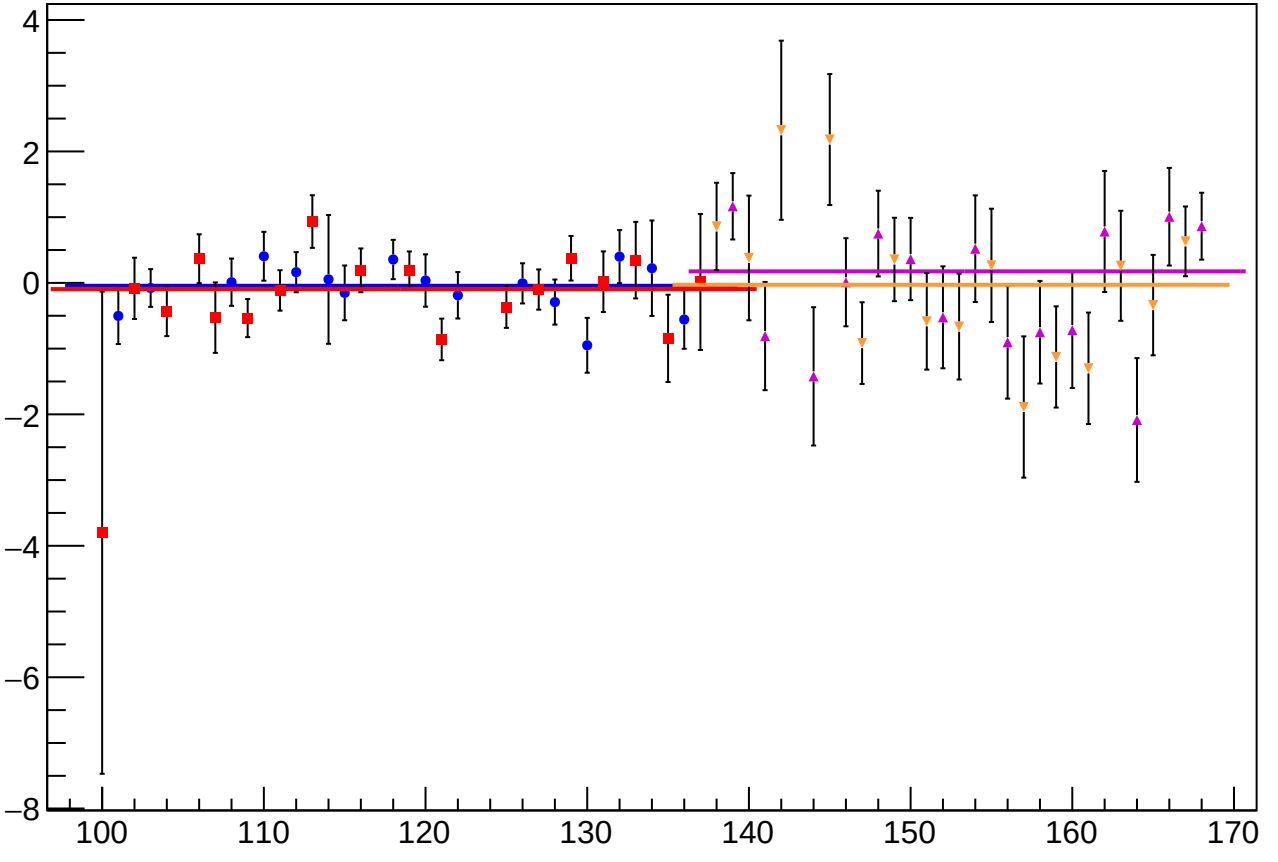
Left In: 630.327+/-0.132 χ^2/NDF:1168413.3/14

+ sign 315.465+/-0.060 χ^2/NDF: 9159643.2/30

All: 307.698+/-0.041 χ^2/NDF: 18975444.6/63

- sign 300.606+/-0.057 χ^2/NDF: 9783712.4/32

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.029+/-0.199 χ^2/NDF:22.7/14

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

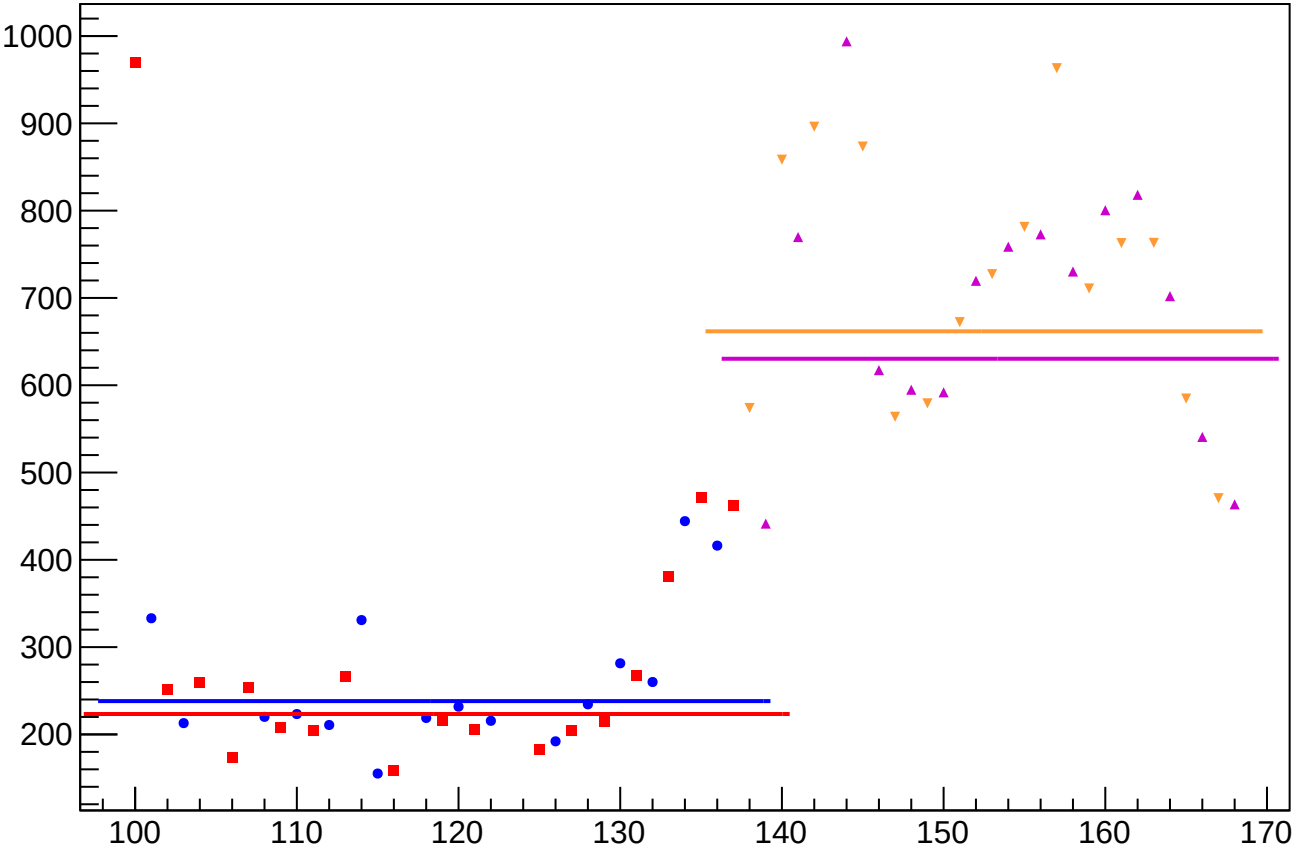
Left In: 0.175+/-0.186 χ^2/NDF:22.8/14

+ sign -0.041+/-0.085 χ^2/NDF: 35.8/30

All: -0.042+/-0.059 χ^2/NDF: 85.6/63

- sign -0.043+/-0.081 χ^2/NDF: 49.8/32

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 661.776+/-0.140 χ^2/NDF:908869.6/14

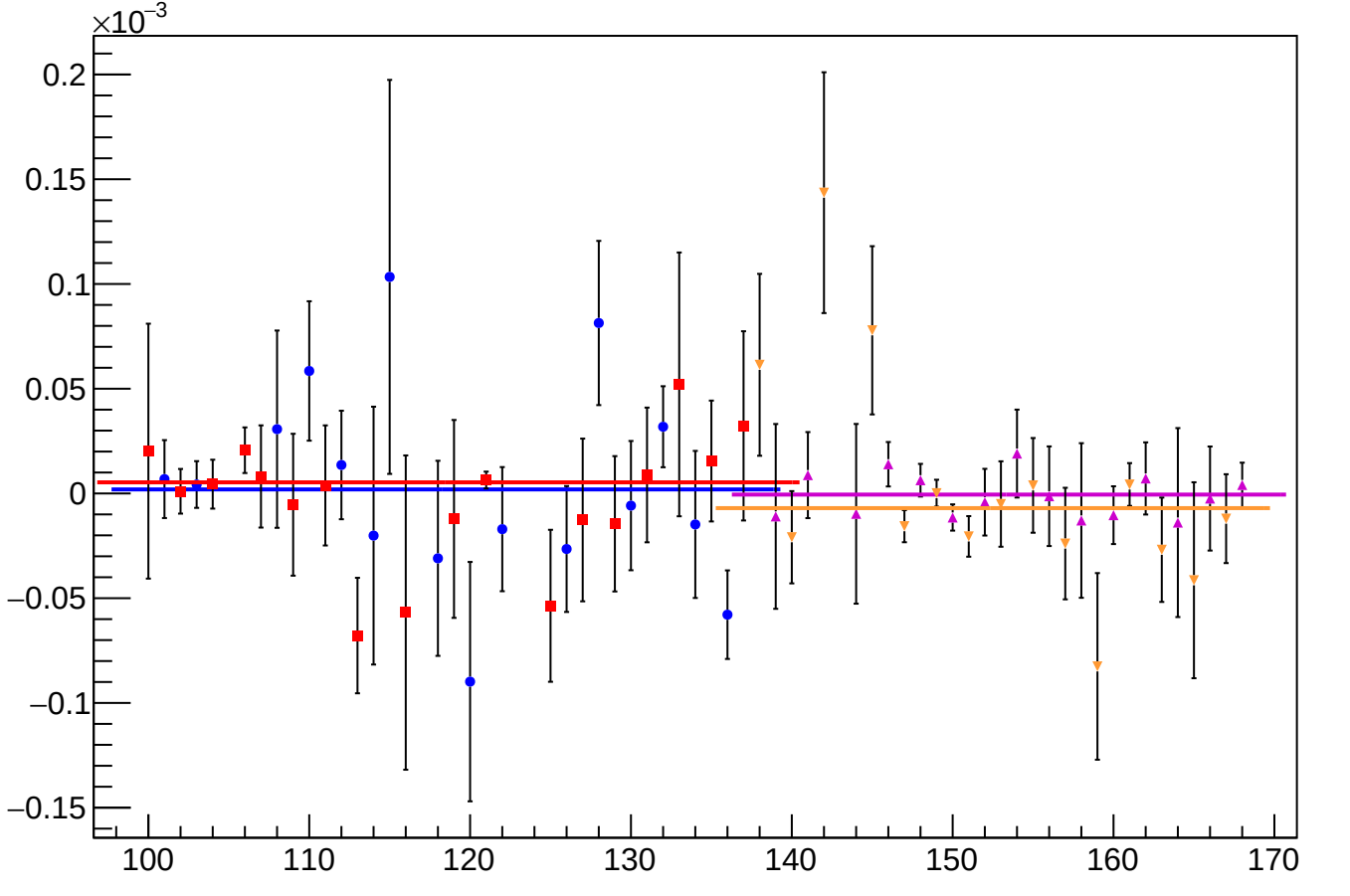
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 630.327+/-0.132 χ^2/NDF:1168413.3/14

+ sign 315.465+/-0.060 χ^2/NDF: 9159643.2/30

All: 307.698+/-0.041 χ^2/NDF: 18975444.6/63

- sign 300.606+/-0.057 χ^2/NDF: 9783712.4/32



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/14

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

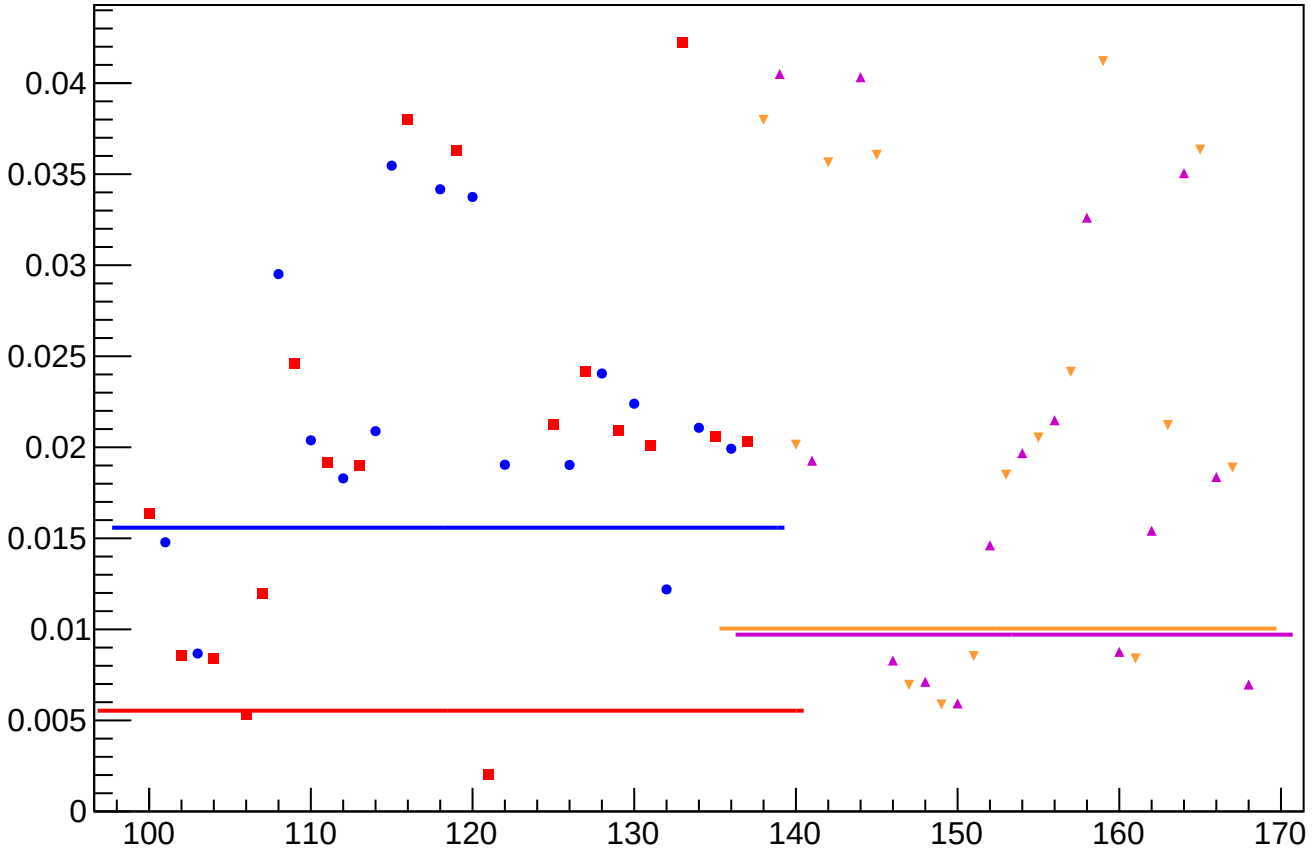
Left In: -0.000+/-0.000 χ^2/NDF:8.0/14

+ sign -0.000+/-0.000 χ^2/NDF: 50.2/30

All: -0.000+/-0.000 χ^2/NDF: 77.8/63

- sign 0.000+/-0.000 χ^2/NDF: 24.1/32

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:7449561.8/14

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

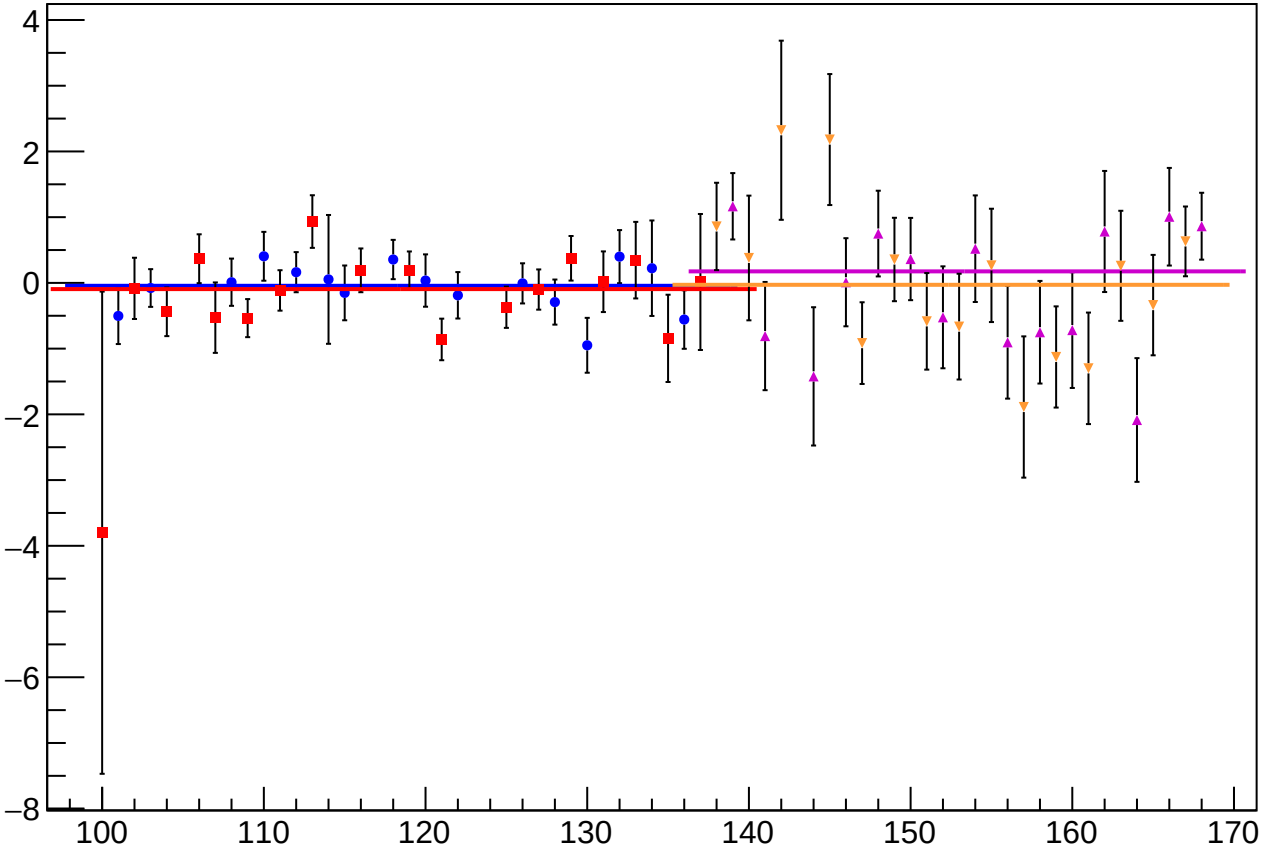
Left In: 0.010+/-0.000 χ^2/NDF:6546863.6/14

+ sign 0.011+/-0.000 χ^2/NDF: 10663625.9/30

All: 0.009+/-0.000 χ^2/NDF: 28743995.5/63

- sign 0.007+/-0.000 χ^2/NDF: 16062345.7/32

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.029+/-0.199 χ^2/NDF:22.7/14

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

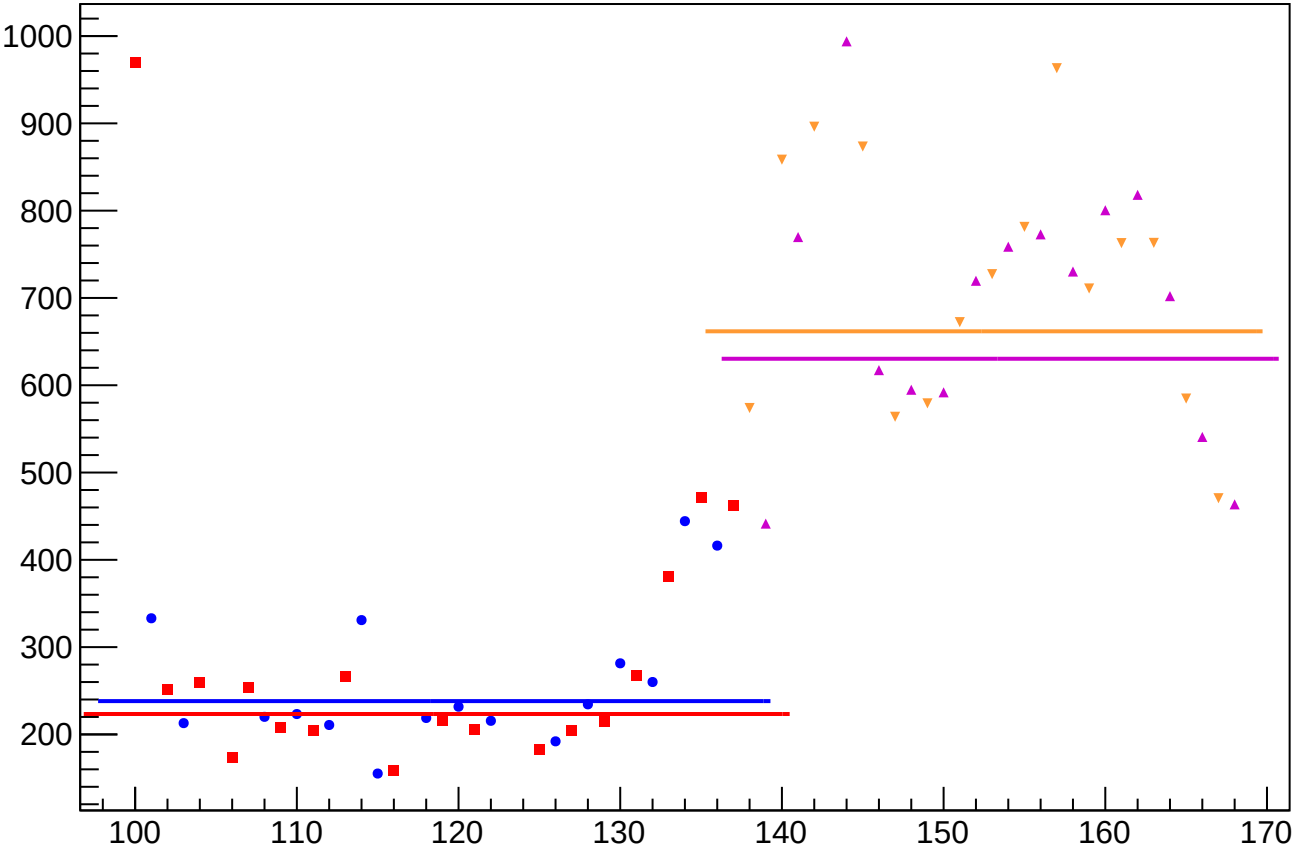
Left In: 0.175+/-0.186 χ^2/NDF:22.8/14

+ sign -0.041+/-0.085 χ^2/NDF: 35.8/30

All: -0.042+/-0.059 χ^2/NDF: 85.6/63

- sign -0.043+/-0.081 χ^2/NDF: 49.8/32

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 661.783+/-0.140 χ^2/NDF:908922.3/14

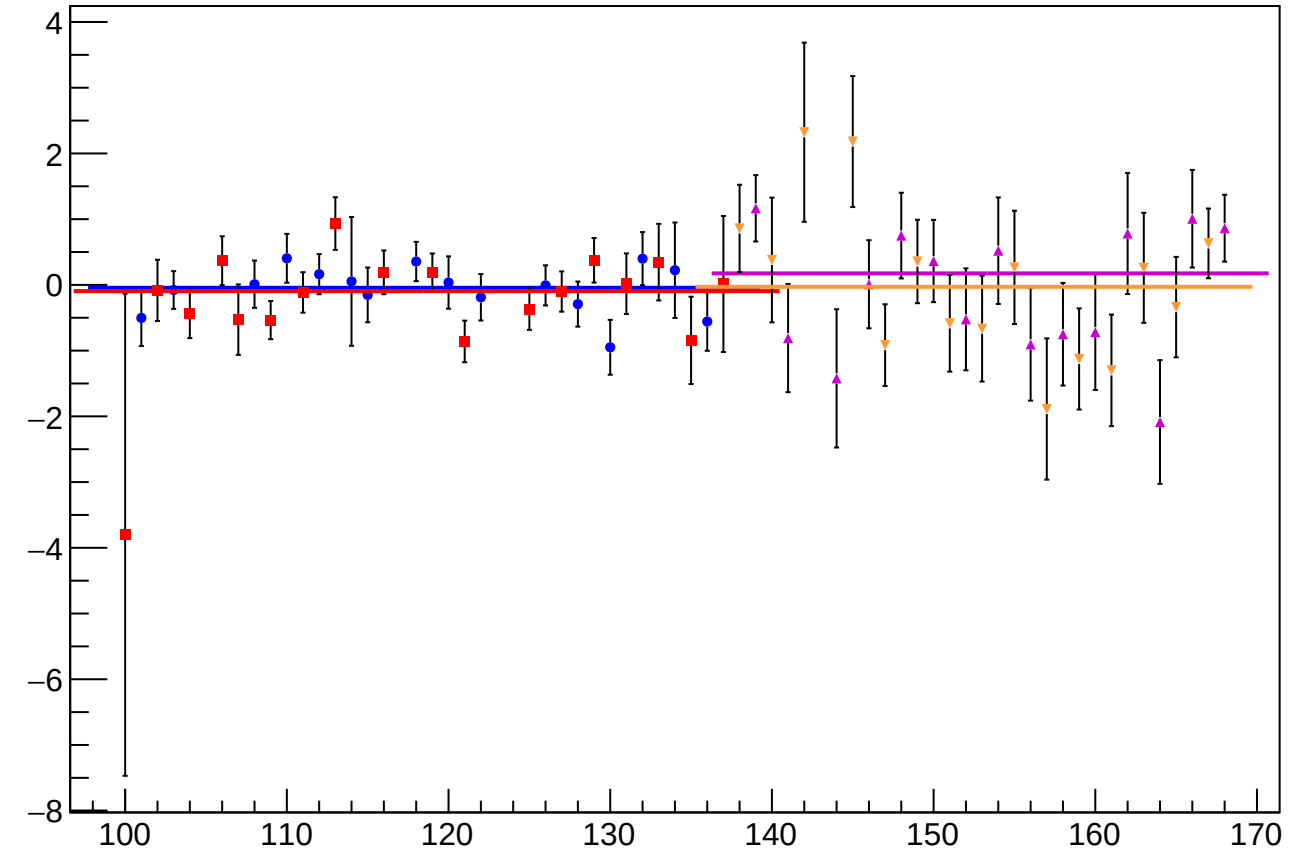
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 630.337+/-0.132 χ^2/NDF:1168404.0/14

+ sign 315.466+/-0.060 χ^2/NDF: 9159744.7/30

All: 307.699+/-0.041 χ^2/NDF: 18975580.2/63

- sign 300.608+/-0.057 χ^2/NDF: 9783751.0/32



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.029+/-0.199 χ^2/NDF:22.7/14

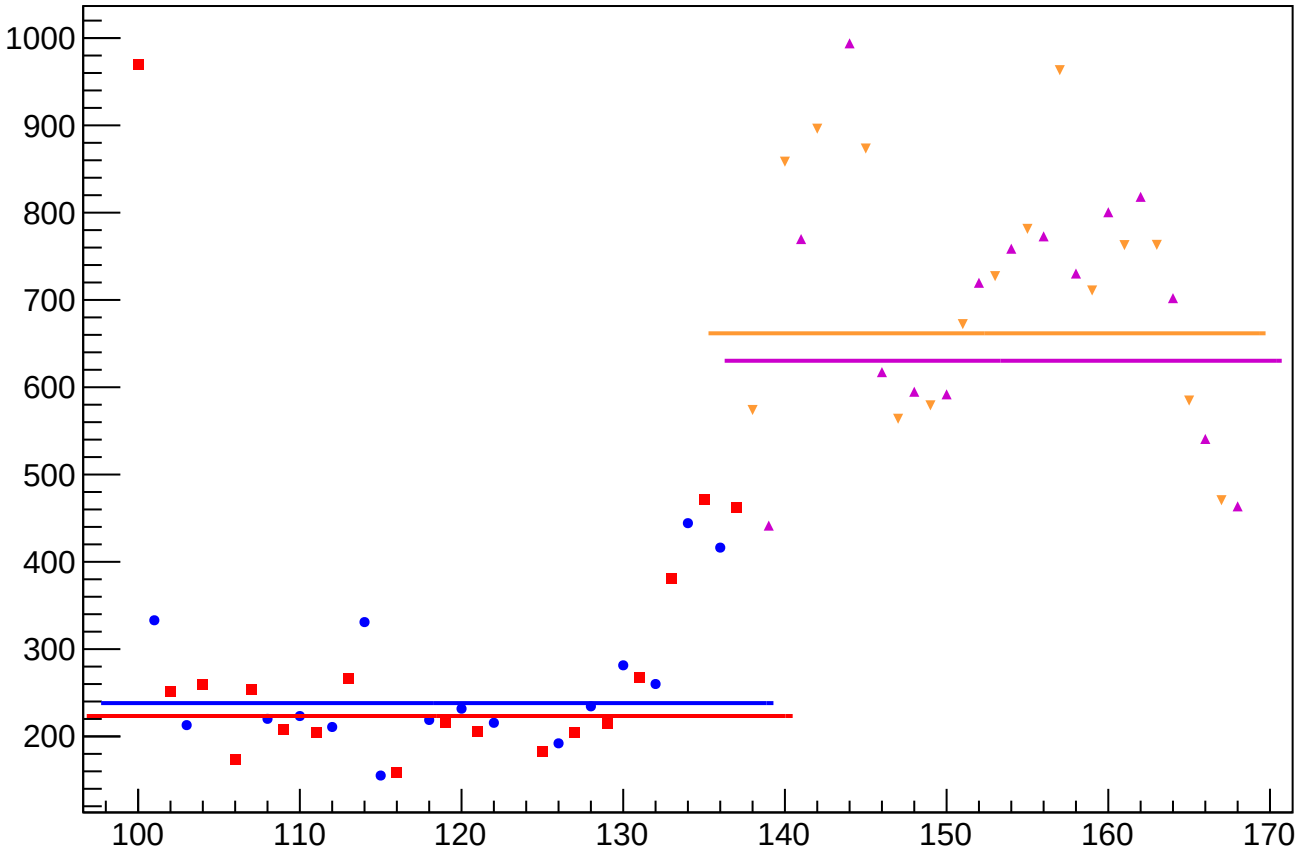
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.175+/-0.186 χ^2/NDF:22.8/14

+ sign -0.041+/-0.085 χ^2/NDF: 35.8/30

All: -0.042+/-0.059 χ^2/NDF: 85.6/63

- sign -0.043+/-0.081 χ^2/NDF: 49.8/32



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 661.783+/-0.140 χ^2/NDF:908922.3/14

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

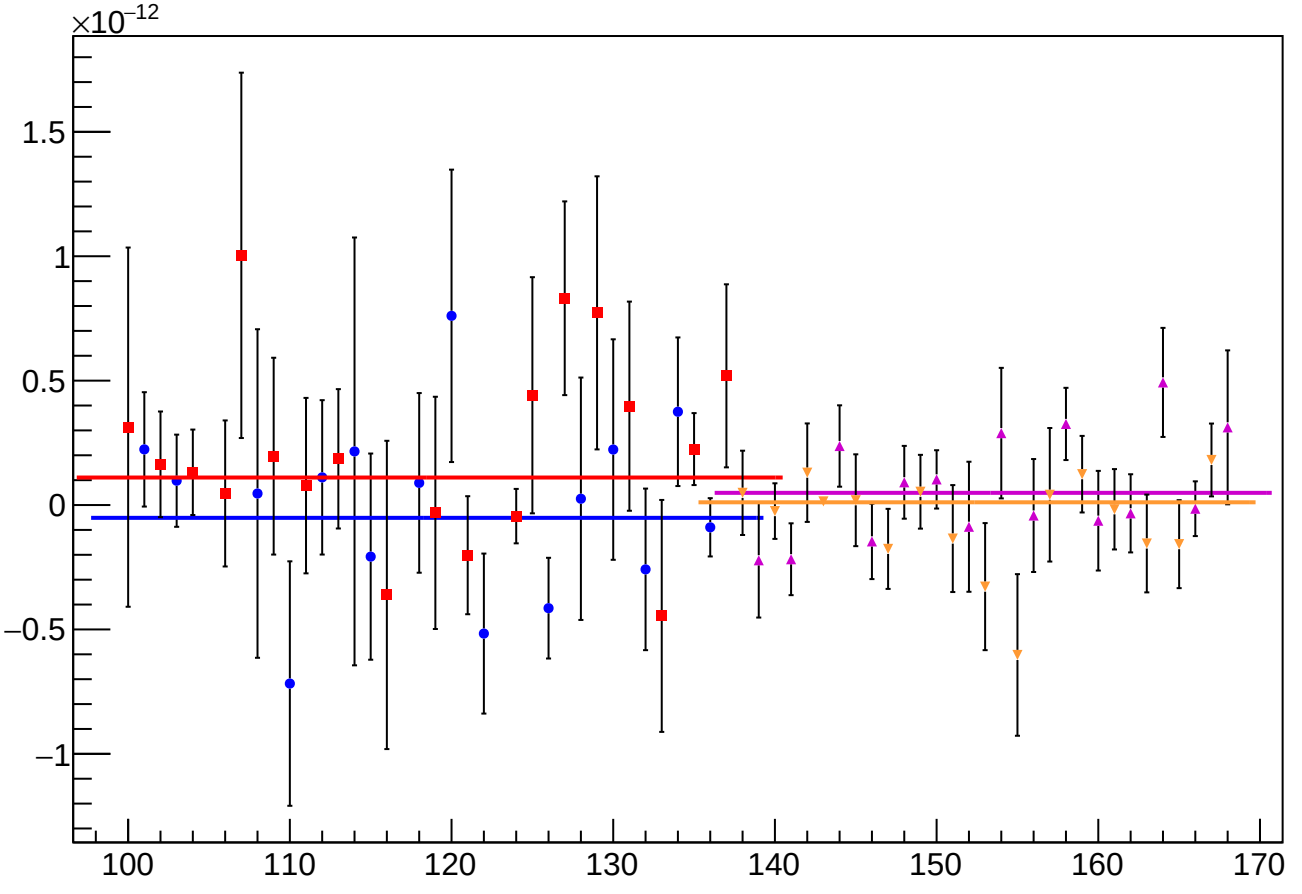
Left In: 630.337+/-0.132 χ^2/NDF:1168404.0/14

+ sign 315.466+/-0.060 χ^2/NDF: 9159744.7/30

All: 307.699+/-0.041 χ^2/NDF: 18975580.2/63

- sign 300.608+/-0.057 χ^2/NDF: 9783751.0/32

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/15

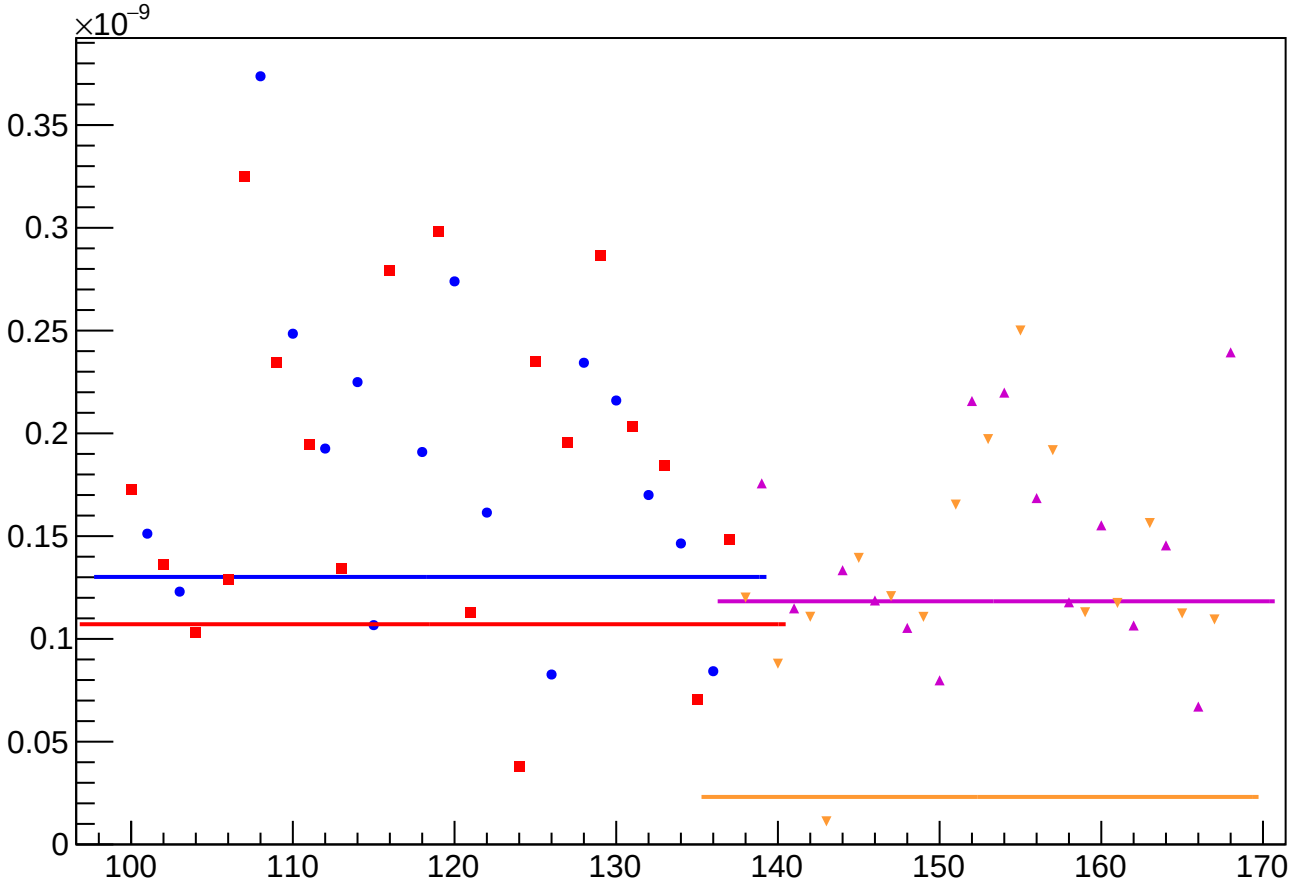
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.7/14

+ sign 0.000+/-0.000 χ^2/NDF: 26.9/31

All: 0.000+/-0.000 χ^2/NDF: 64.5/65

- sign 0.000+/-0.000 χ^2/NDF: 34.8/33



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12198113.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

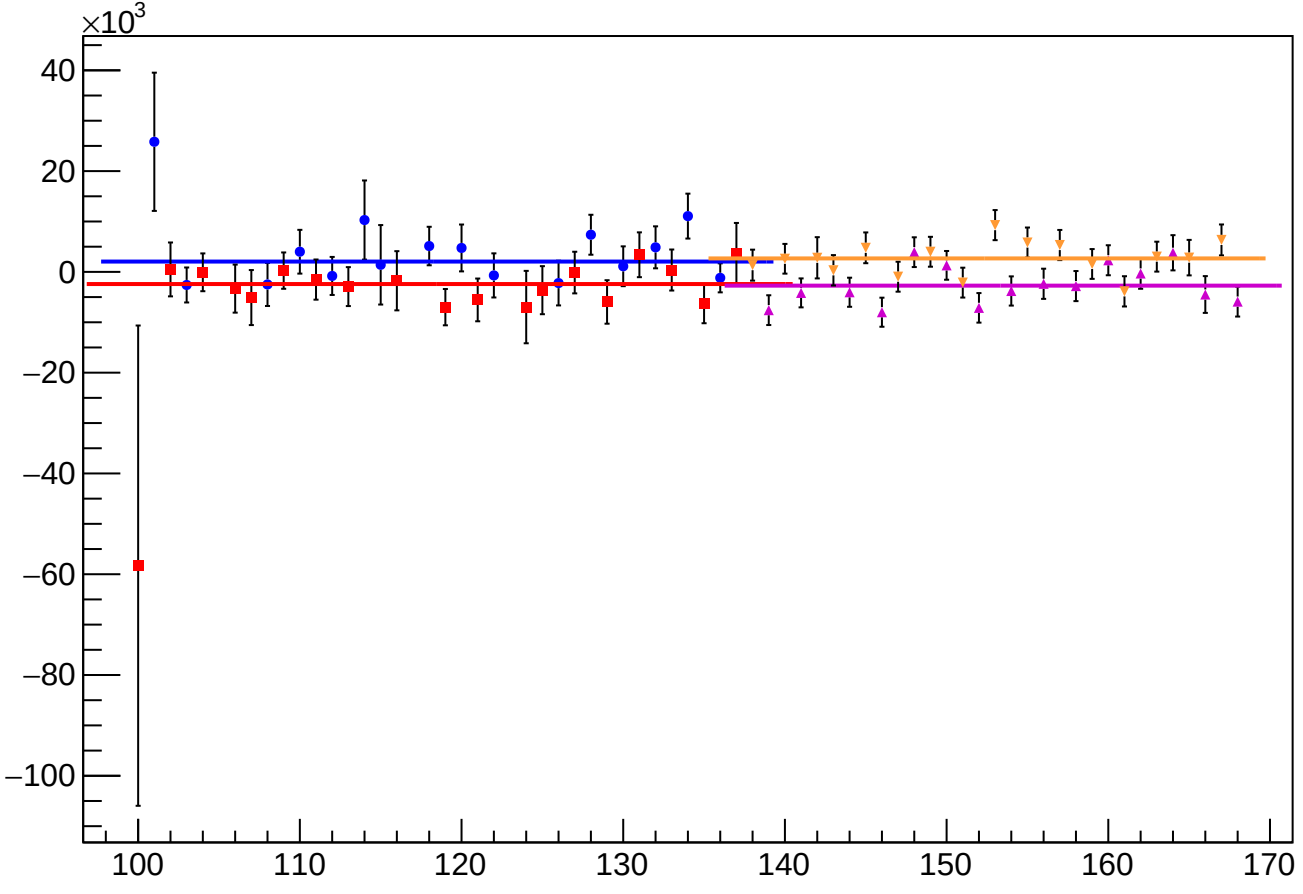
Left In: 0.000+/-0.000 χ^2/NDF:1899009.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 18339060.2/31

All: 0.000+/-0.000 χ^2/NDF: 33577832.8/65

- sign 0.000+/-0.000 χ^2/NDF: 4601910.3/33

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2673.150+/-766.899 χ^2/NDF:18.7/15

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

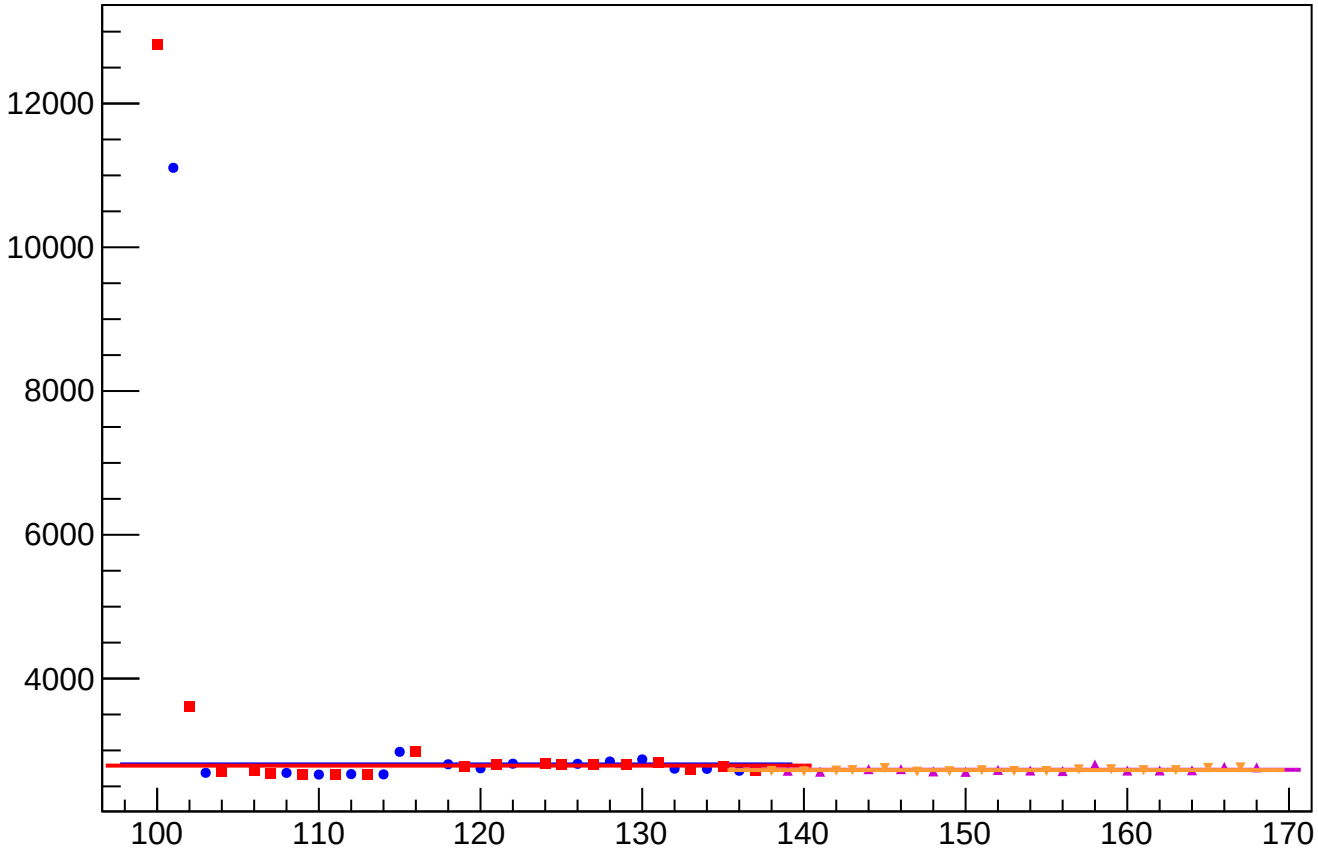
Left In: -2729.147+/-775.176 χ^2/NDF:24.3/14

+ sign 2461.605+/-623.409 χ^2/NDF: 36.7/31

All: -88.456+/-439.803 χ^2/NDF: 105.2/65

- sign -2615.192+/-620.551 χ^2/NDF: 35.1/33

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2726.479+/-0.542 χ^2/NDF:1016.1/15

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

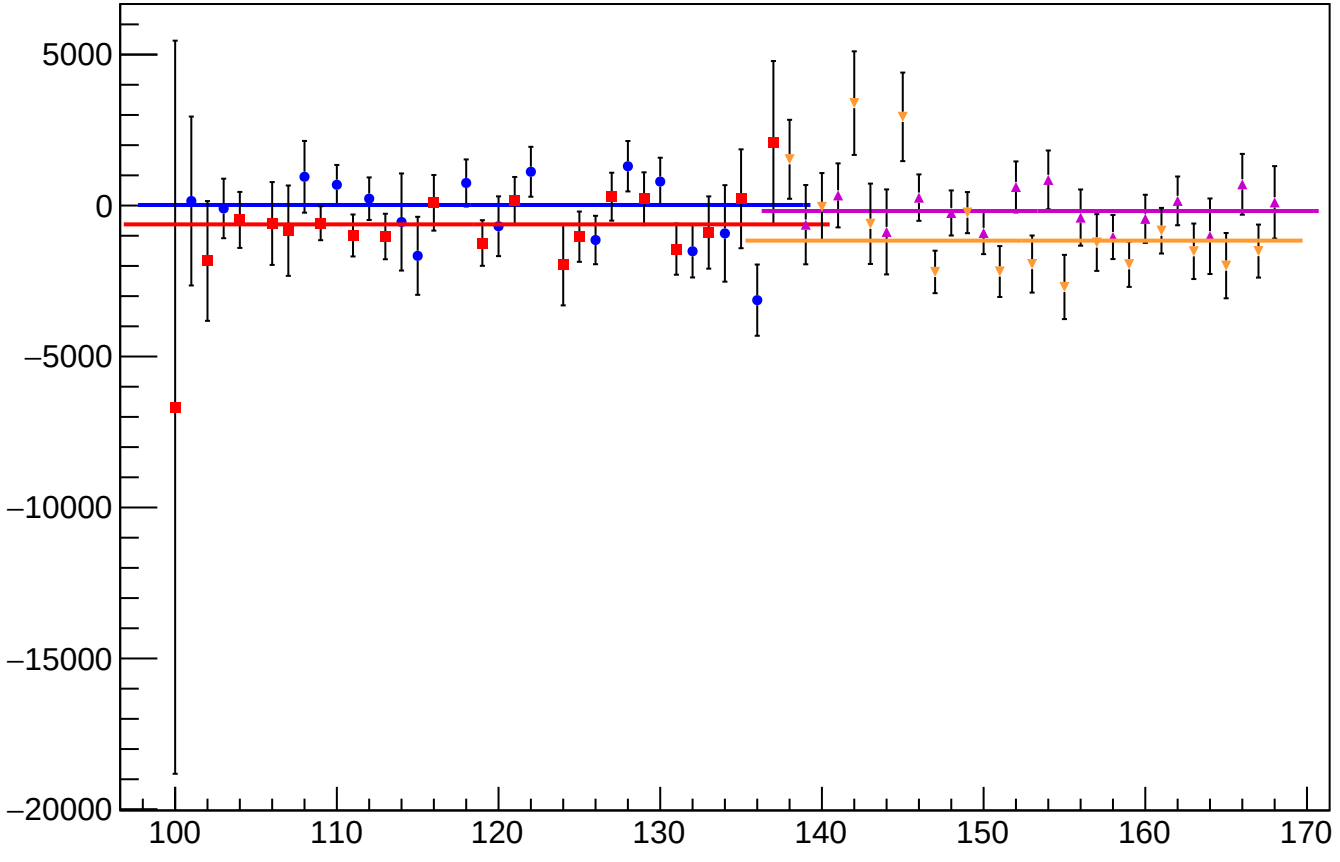
Left In: 2730.996+/-0.548 χ^2/NDF:2394.4/14

+ sign 2753.264+/-0.441 χ^2/NDF: 754449.6/31

All: 2752.511+/-0.311 χ^2/NDF: 907845.1/65

- sign 2751.764+/-0.439 χ^2/NDF: 153389.7/33

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -1161.684+/-233.475 χ^2/NDF:30.7/15

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

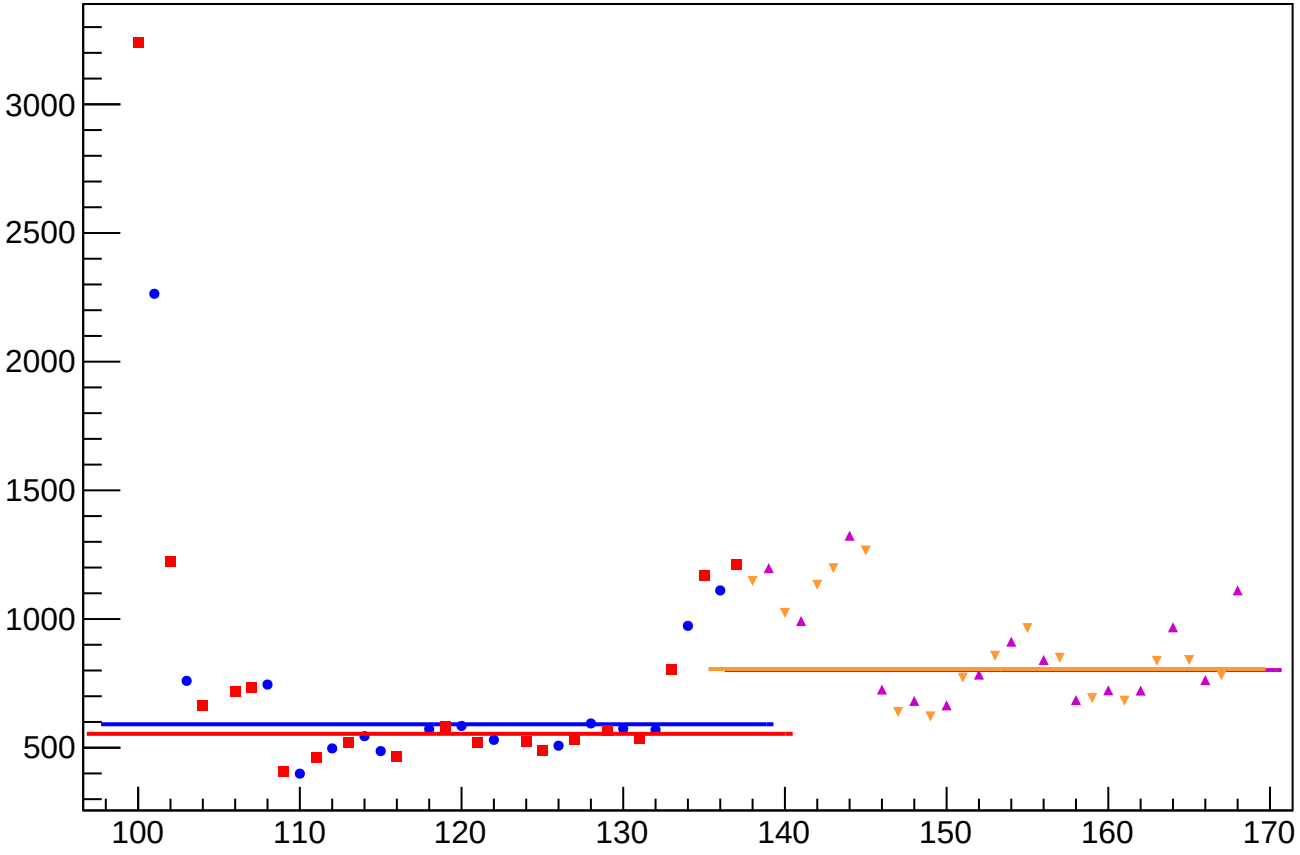
Left In: -180.699+/-233.133 χ^2/NDF:7.0/14

\+ sign -571.371+/-165.095 χ^2/NDF: 66.2/31

All: -491.946+/-114.309 χ^2/NDF: 84.9/65

\- sign -418.808+/-158.426 χ^2/NDF: 18.2/33

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 805.723+/-0.165 χ^2/NDF:1077347.9/15

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

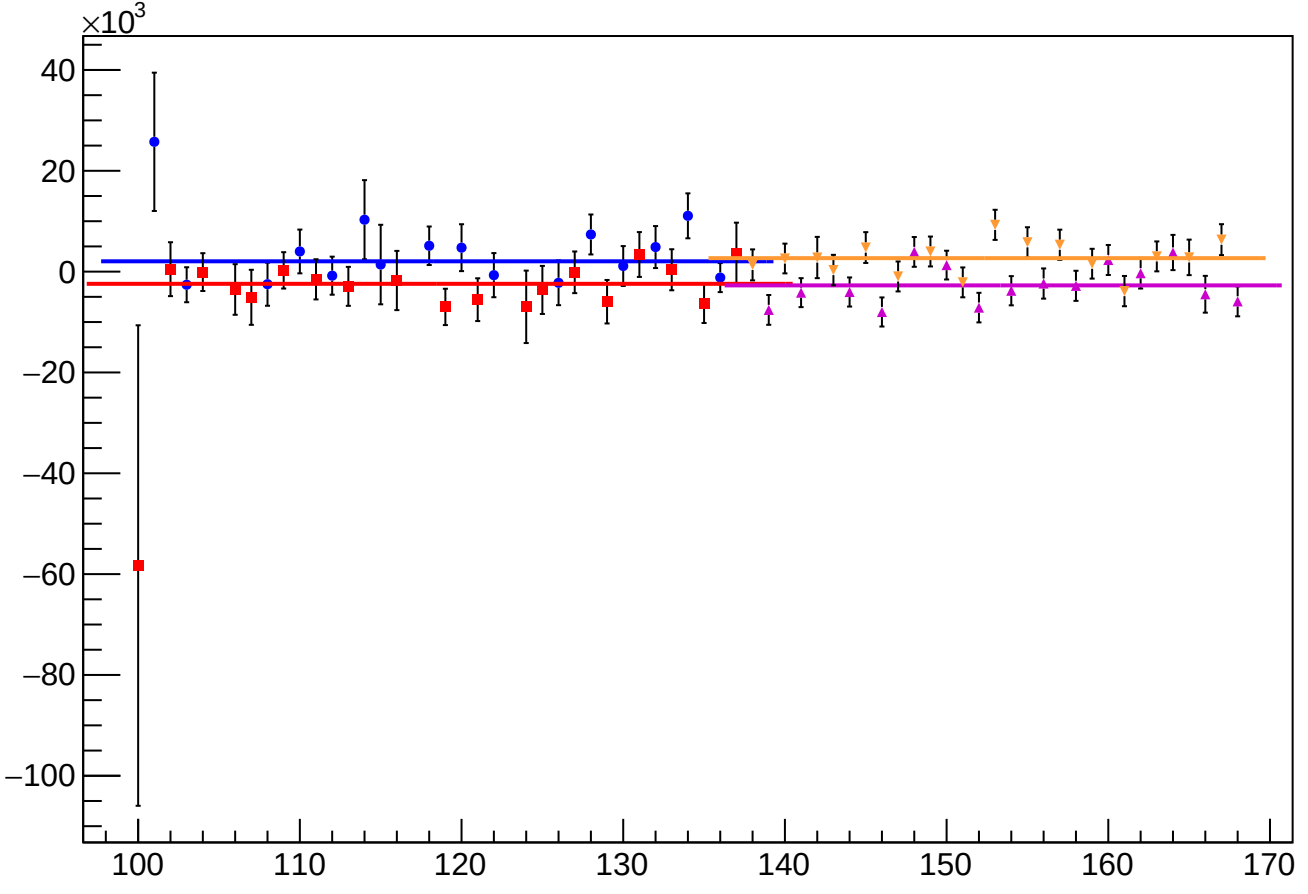
Left In: 801.724+/-0.165 χ^2/NDF:960102.5/14

+ sign 698.386+/-0.117 χ^2/NDF: 3490476.1/31

All: 682.768+/-0.081 χ^2/NDF: 6817434.2/65

- sign 668.387+/-0.112 χ^2/NDF: 3292579.7/33

cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2673.194+/-766.899 χ^2/NDF:18.7/15

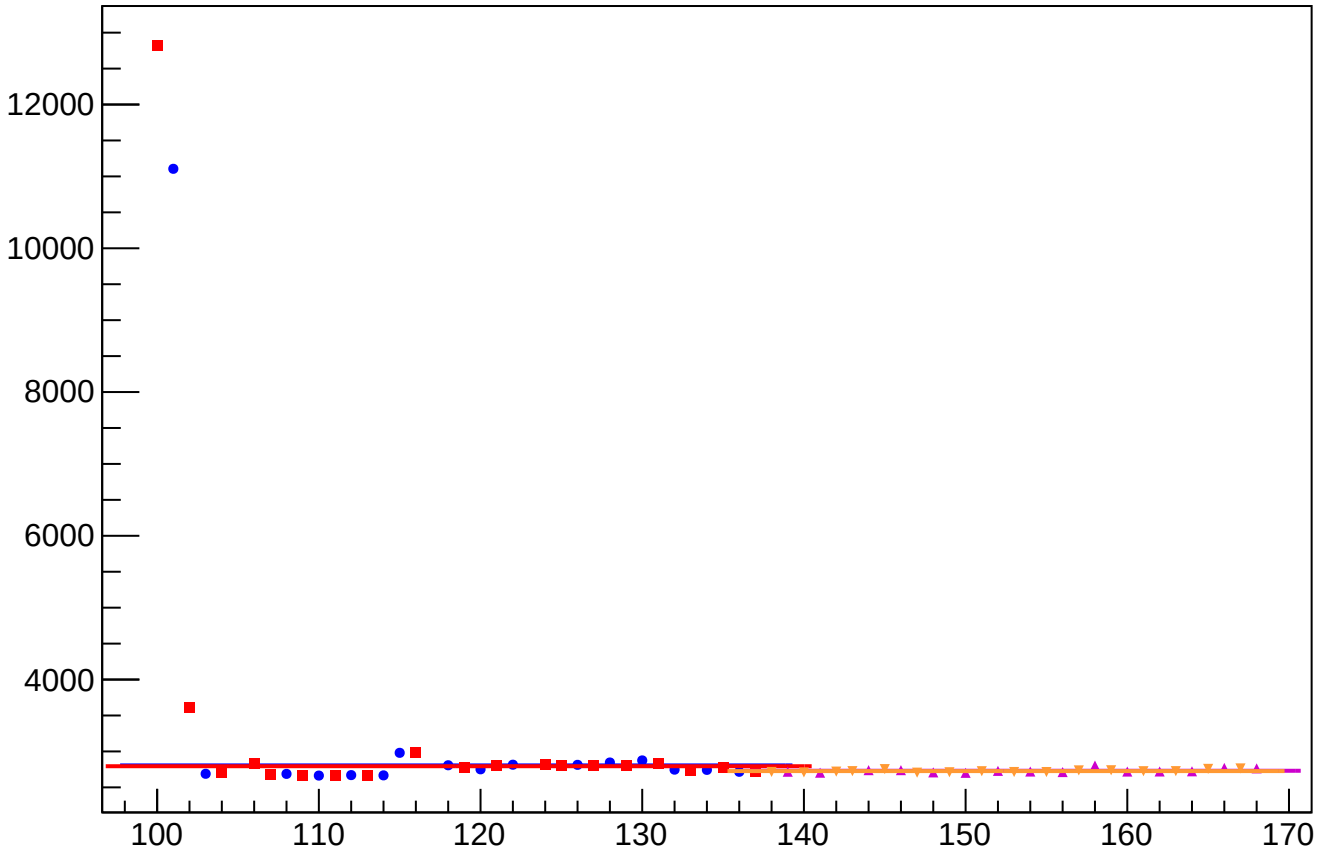
Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: -2729.213+/-775.176 χ^2/NDF:24.3/14

+ sign 2461.361+/-623.409 χ^2/NDF: 36.7/31

All: -87.761+/-439.985 χ^2/NDF: 105.2/65

- sign -2617.737+/-621.063 χ^2/NDF: 35.1/33



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2726.479+/-0.542 χ^2/NDF:1016.1/15

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

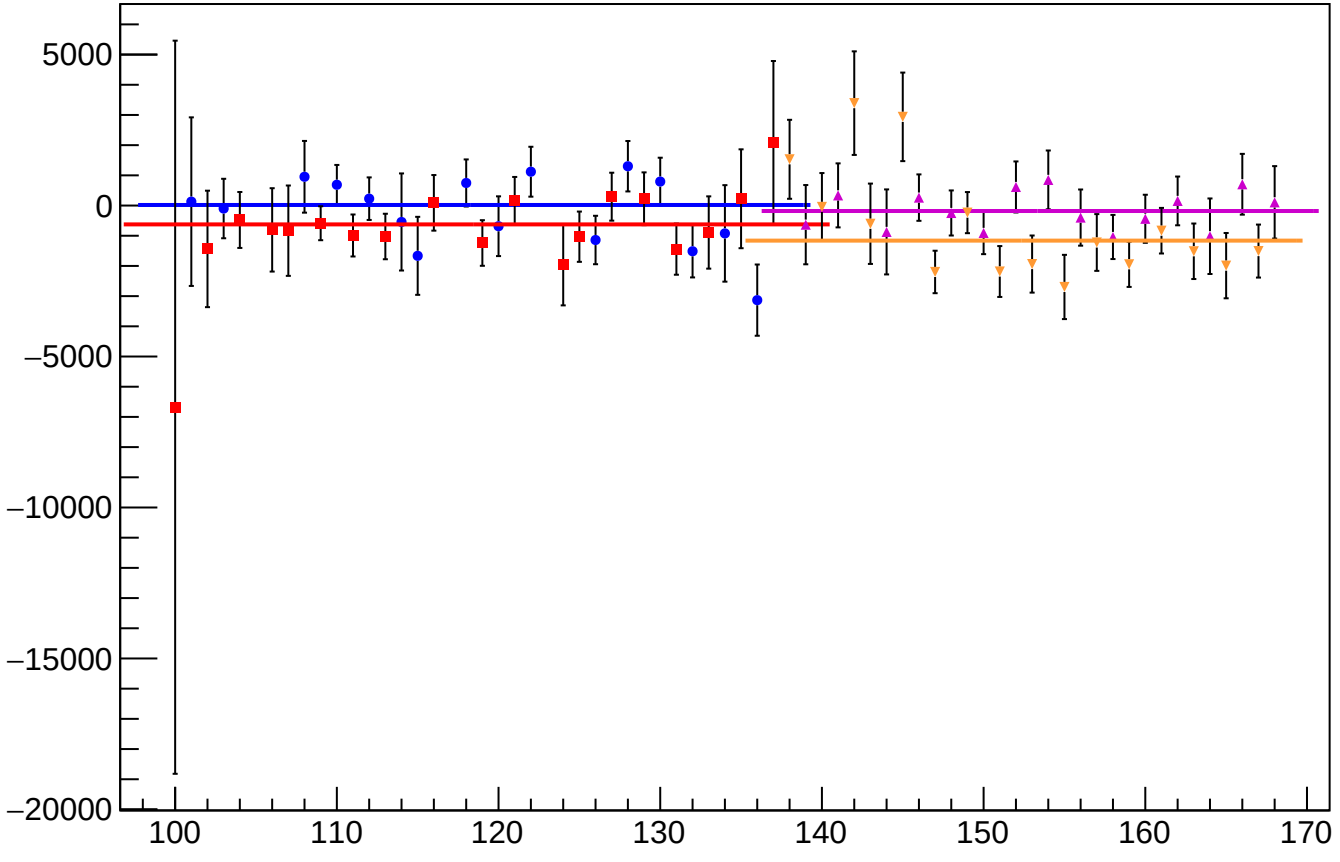
Left In: 2730.996+/-0.548 χ^2/NDF:2394.4/14

+ sign 2753.264+/-0.441 χ^2/NDF: 754448.7/31

All: 2753.440+/-0.311 χ^2/NDF: 908342.4/65

- sign 2753.614+/-0.439 χ^2/NDF: 153893.4/33

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1161.536+/-233.473 χ^2/NDF:30.7/15

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

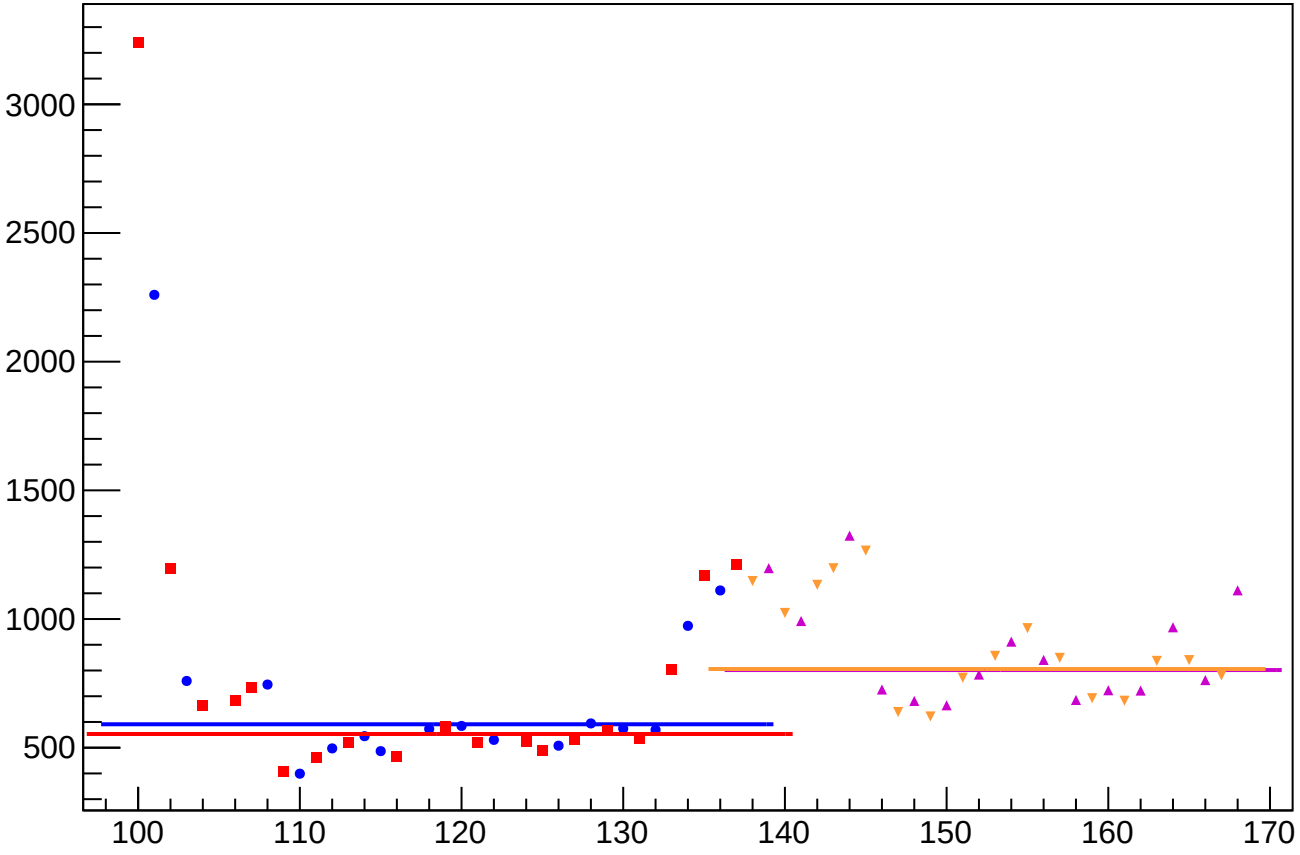
Left In: -180.765+/-233.132 χ^2/NDF:7.0/14

\+ sign -571.293+/-165.090 χ^2/NDF: 66.2/31

All: -492.252+/-114.300 χ^2/NDF: 84.7/65

\- sign -419.482+/-158.407 χ^2/NDF: 18.0/33

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 805.715+/-0.165 χ^2/NDF:1077371.5/15

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

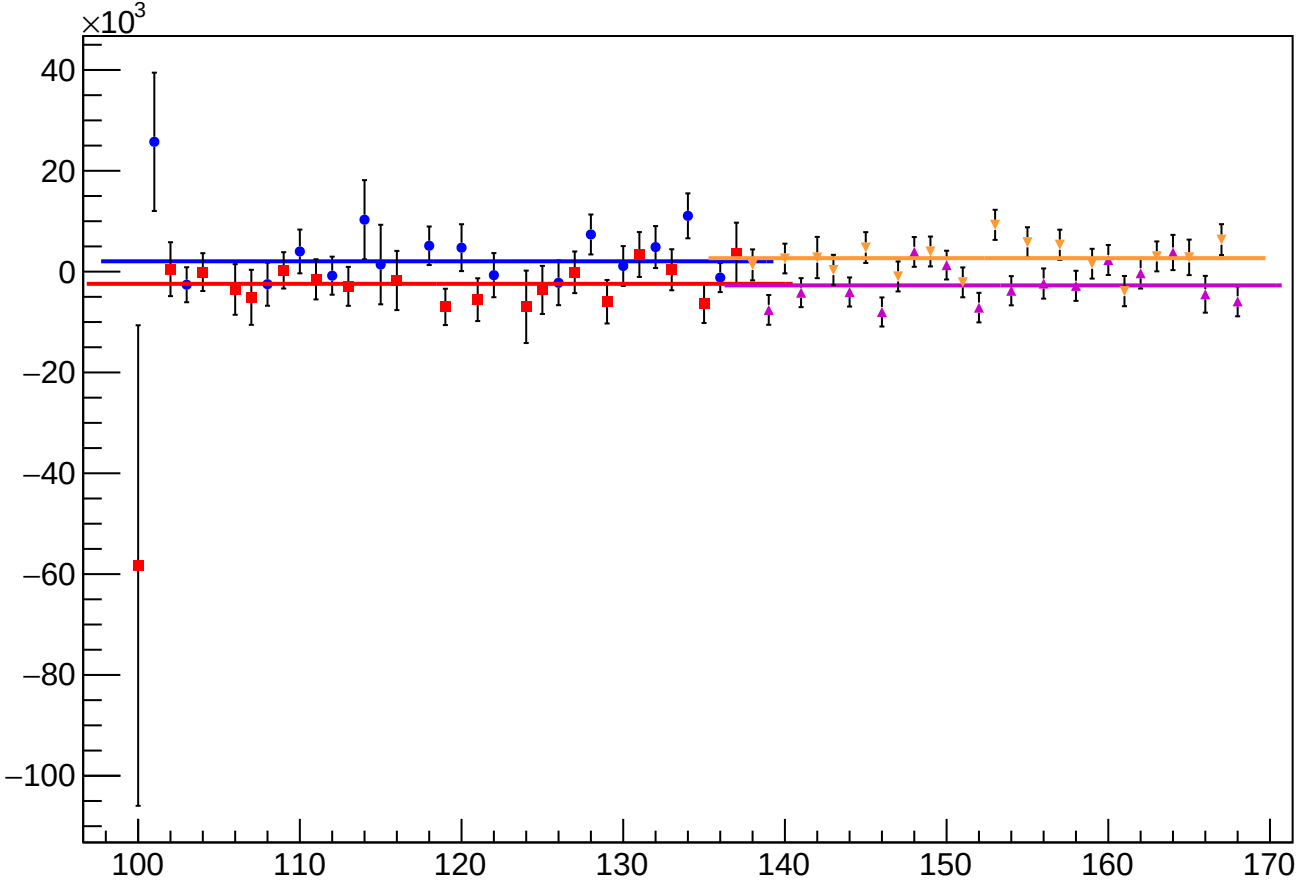
Left In: 801.720+/-0.165 χ^2/NDF:960089.7/14

+ sign 698.376+/-0.117 χ^2/NDF: 3489469.4/31

All: 682.538+/-0.081 χ^2/NDF: 6809694.5/65

- sign 667.956+/-0.112 χ^2/NDF: 3284868.5/33

eigen_cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2673.194+/-766.899 χ^2/NDF:18.7/15

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

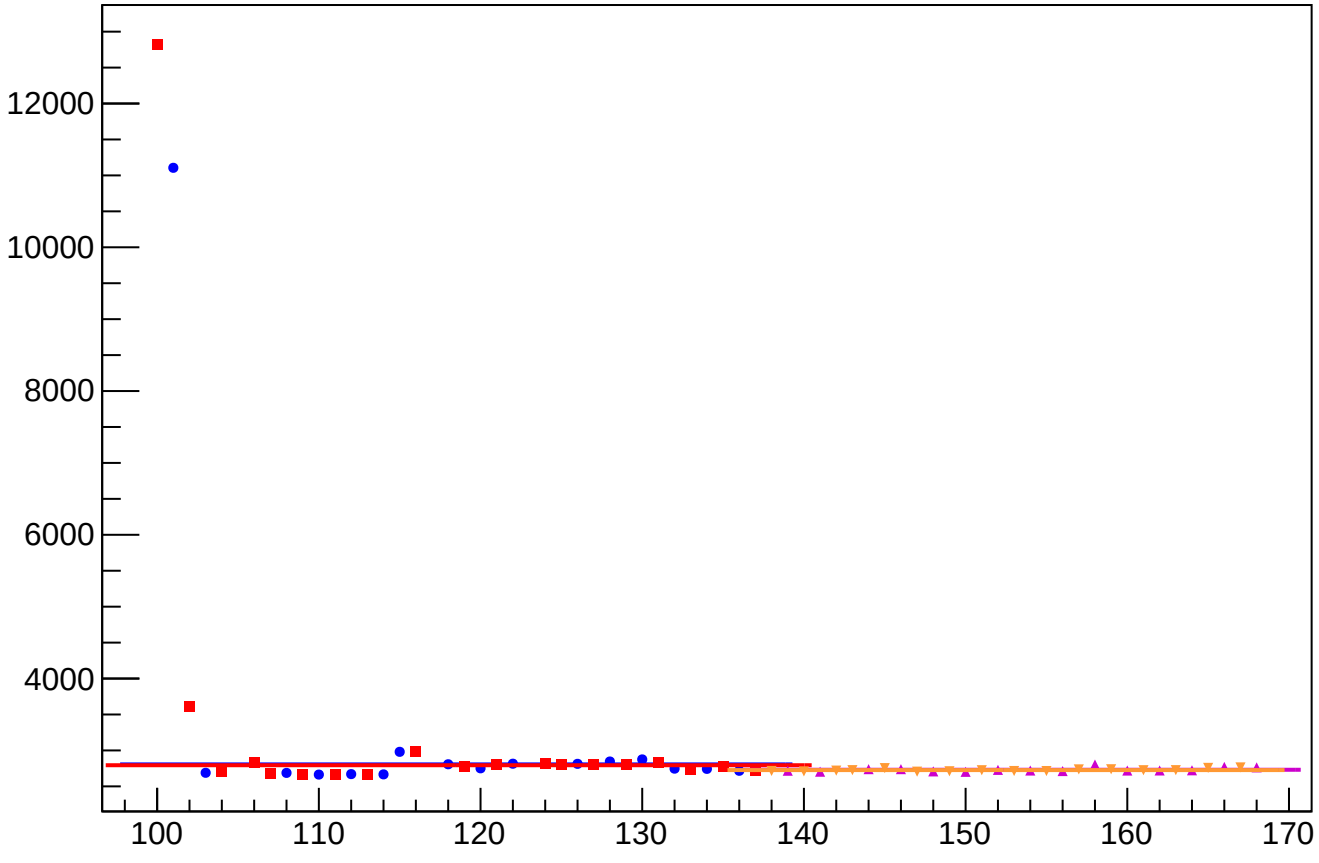
Left In: -2729.213+/-775.176 χ^2/NDF:24.3/14

+ sign 2461.361+/-623.409 χ^2/NDF: 36.7/31

All: -87.761+/-439.985 χ^2/NDF: 105.2/65

- sign -2617.737+/-621.063 χ^2/NDF: 35.1/33

eigen_cor_asym_atr1_rms vs Slug



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Left Out: 2726.479+/-0.542 χ^2/NDF:1016.1/15

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

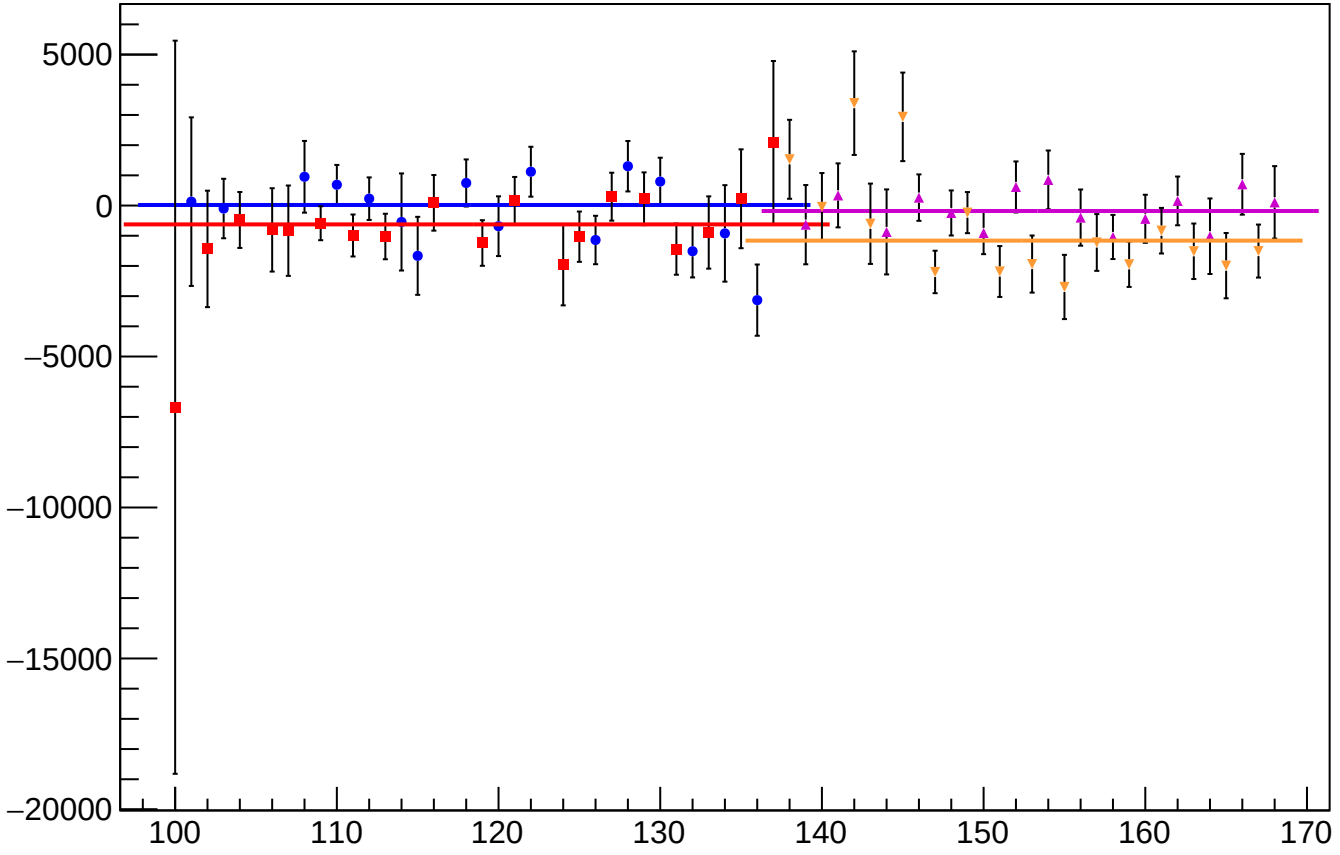
Left In: 2730.996+/-0.548 χ^2/NDF:2394.4/14

+ sign 2753.264+/-0.441 χ^2/NDF: 754448.7/31

All: 2753.440+/-0.311 χ^2/NDF: 908342.4/65

- sign 2753.614+/-0.439 χ^2/NDF: 153893.4/33

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1161.536+/-233.473 χ^2/NDF:30.7/15

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

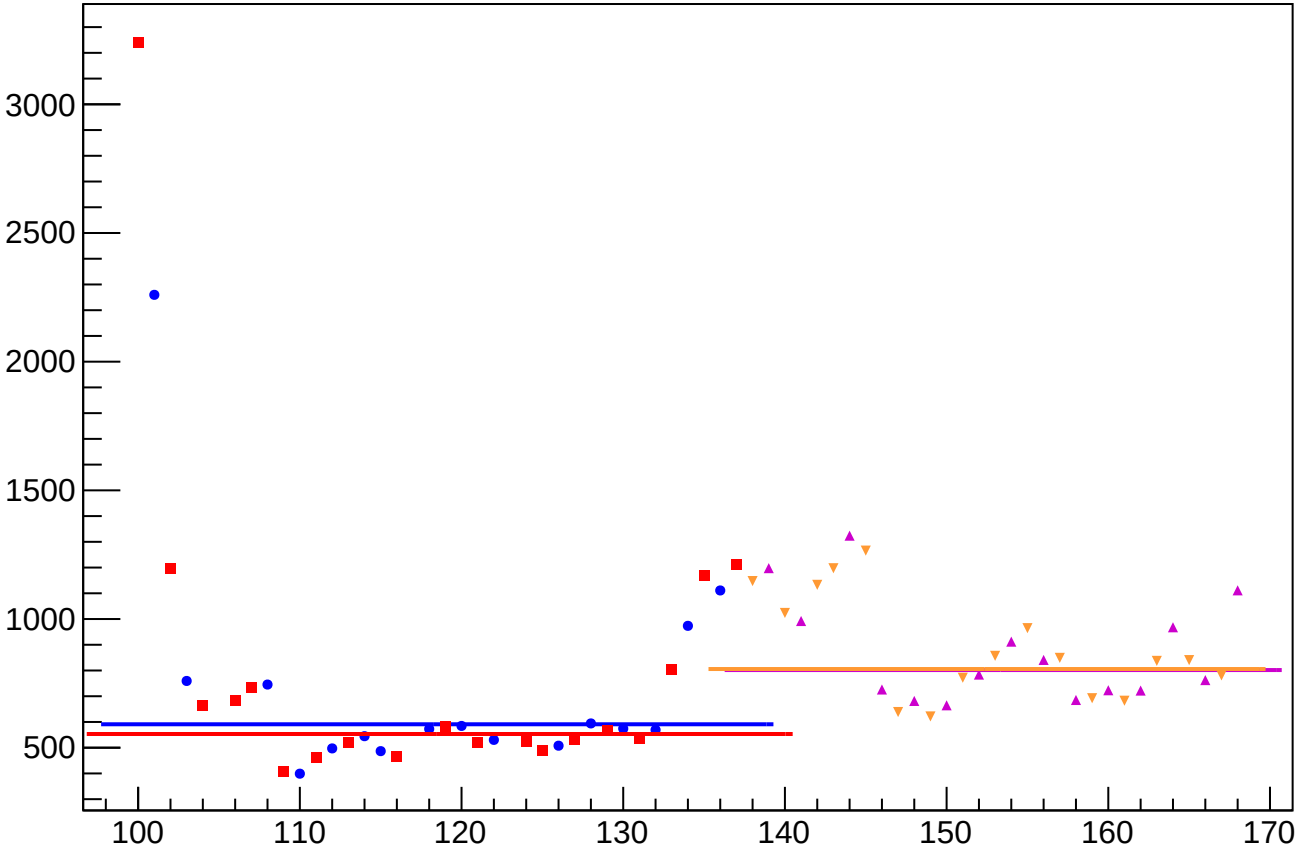
Left In: -180.765+/-233.132 χ^2/NDF:7.0/14

\+ sign -571.293+/-165.090 χ^2/NDF: 66.2/31

All: -492.252+/-114.300 χ^2/NDF: 84.7/65

\- sign -419.482+/-158.407 χ^2/NDF: 18.0/33

asym_atr1_eigen_cor_correction_rms vs Slug



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Left Out: 805.715+/-0.165 χ^2/NDF:1077371.5/15

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

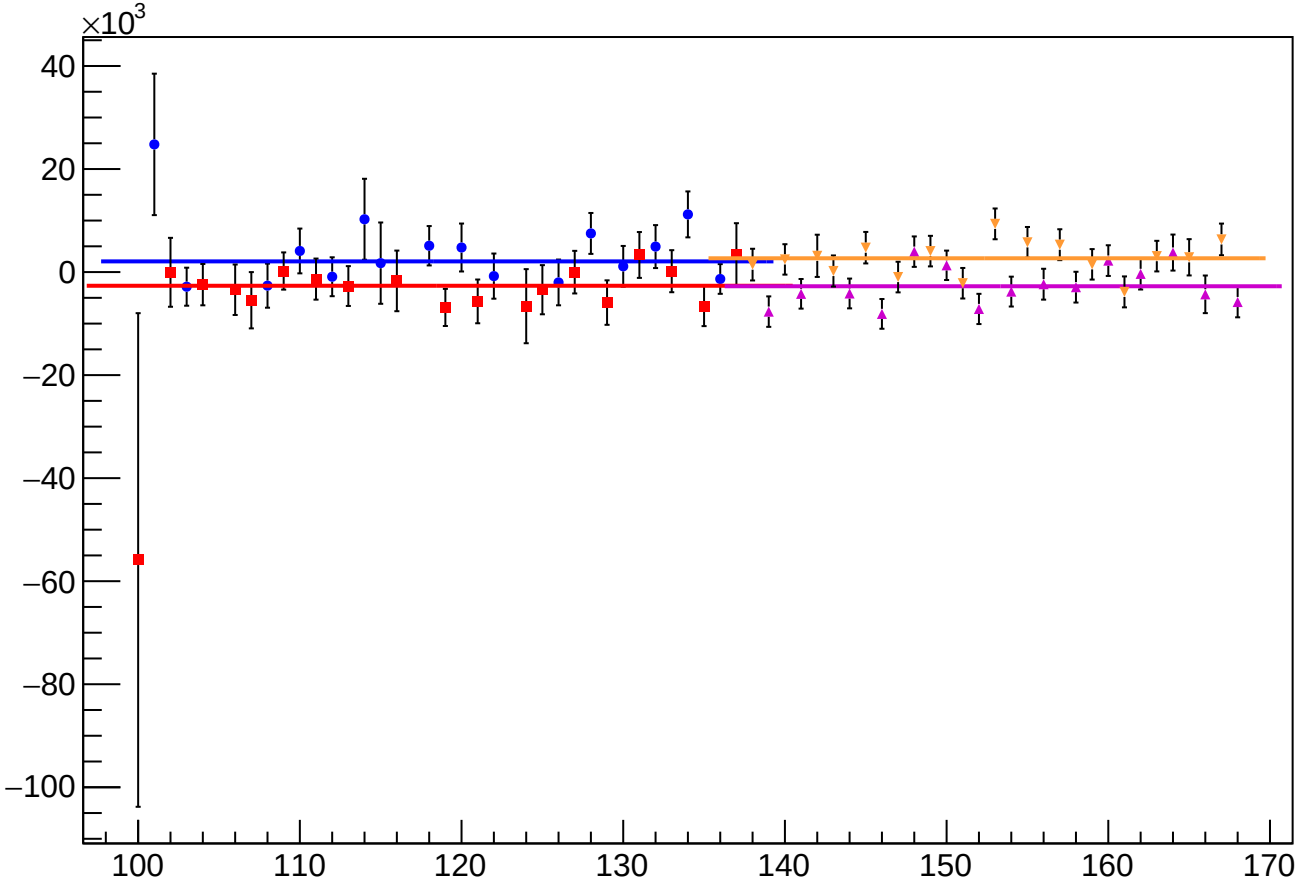
Left In: 801.720+/-0.165 χ^2/NDF:960089.7/14

+ sign 698.376+/-0.117 χ^2/NDF: 3489469.4/31

All: 682.538+/-0.081 χ^2/NDF: 6809694.5/65

- sign 667.956+/-0.112 χ^2/NDF: 3284868.5/33

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2677.397+/-767.449 χ^2/NDF:18.9/15

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

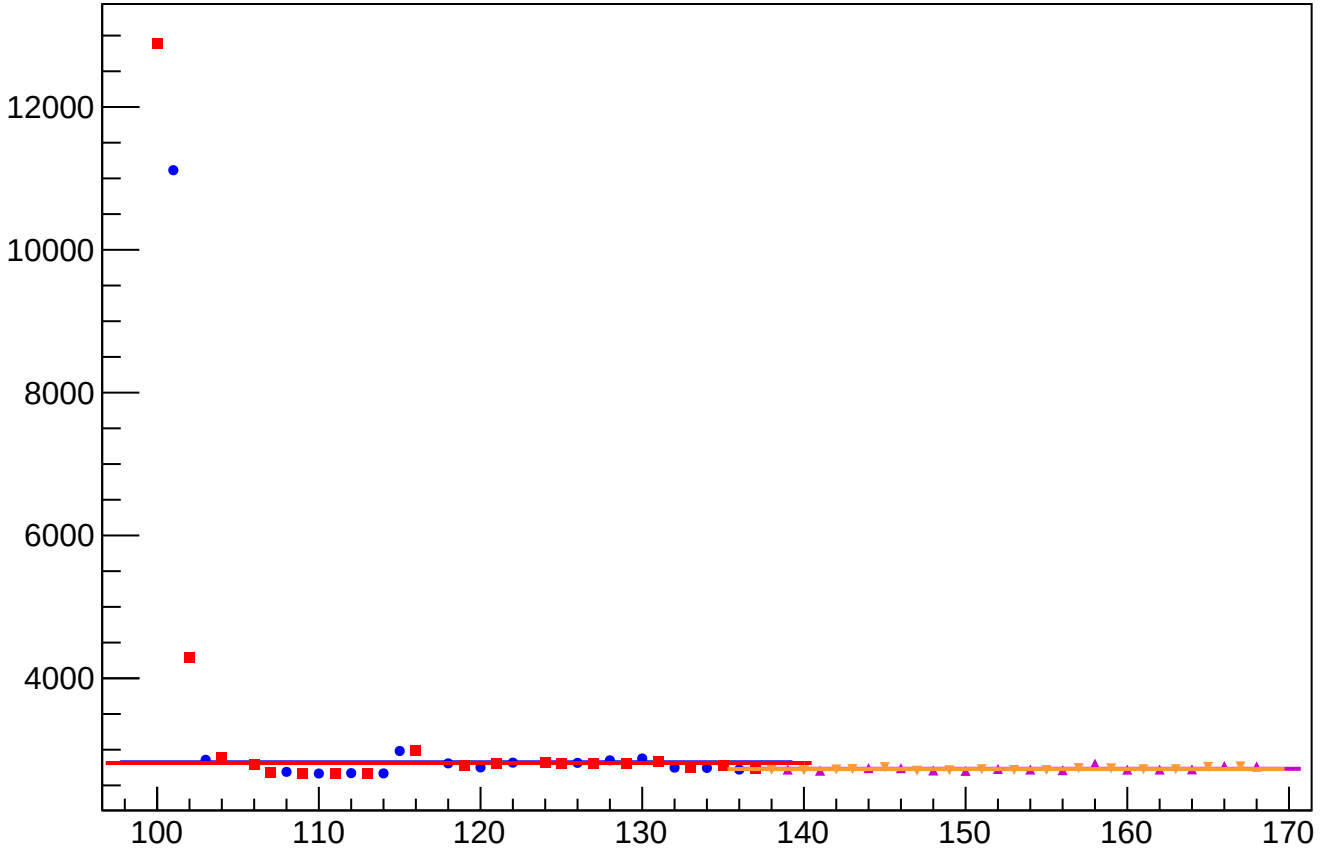
Left In: -2752.047+/-775.648 χ^2/NDF:24.5/14

+ sign 2474.496+/-625.038 χ^2/NDF: 36.9/31

All: -126.968+/-441.550 χ^2/NDF: 105.9/65

- sign -2718.593+/-623.855 χ^2/NDF: 34.4/33

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2728.423+/-0.543 χ^2/NDF:1054.7/15

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

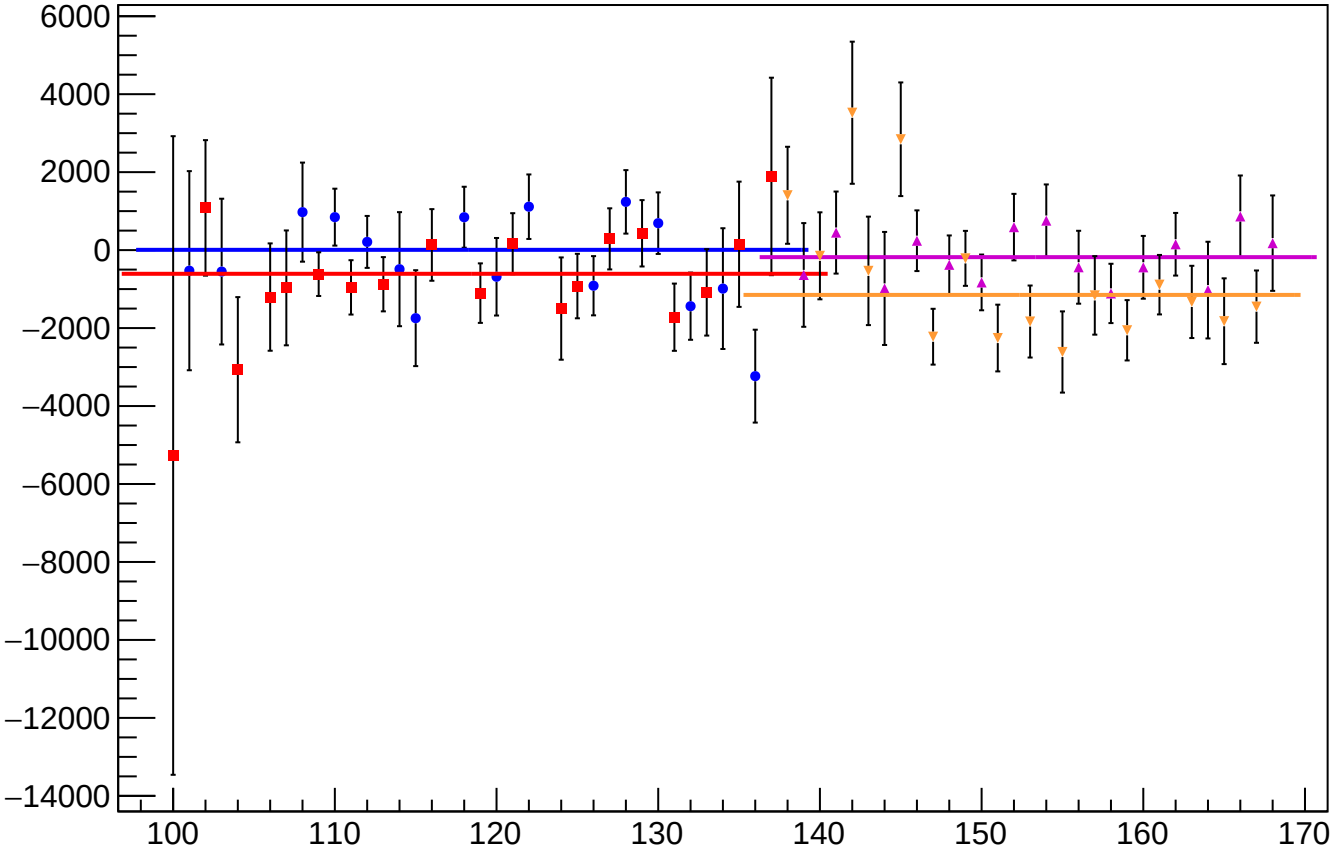
Left In: 2732.652+/-0.548 χ^2/NDF:2416.2/14

+ sign 2760.417+/-0.442 χ^2/NDF: 755294.6/31

All: 2760.866+/-0.312 χ^2/NDF: 965958.5/65

- sign 2761.313+/-0.441 χ^2/NDF: 210661.8/33

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1149.276+/-237.795 χ^2/NDF:29.5/15

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

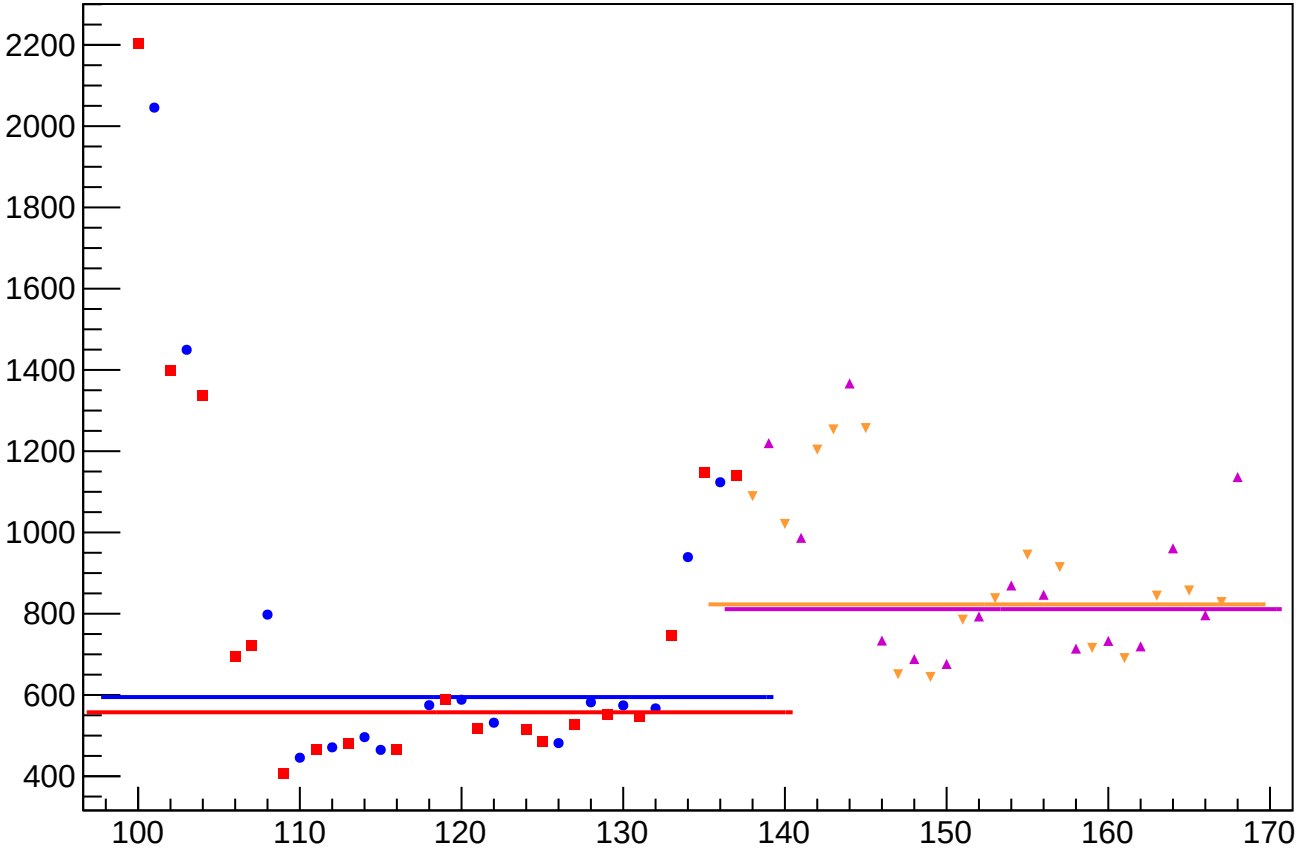
Left In: -180.366+/-235.445 χ^2/NDF:7.2/14

+ sign -570.287+/-168.026 χ^2/NDF: 64.2/31

All: -486.711+/-115.719 χ^2/NDF: 85.8/65

- sign -411.305+/-159.602 χ^2/NDF: 21.1/33

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 822.974+/-0.168 χ^2/NDF:1004394.6/15

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

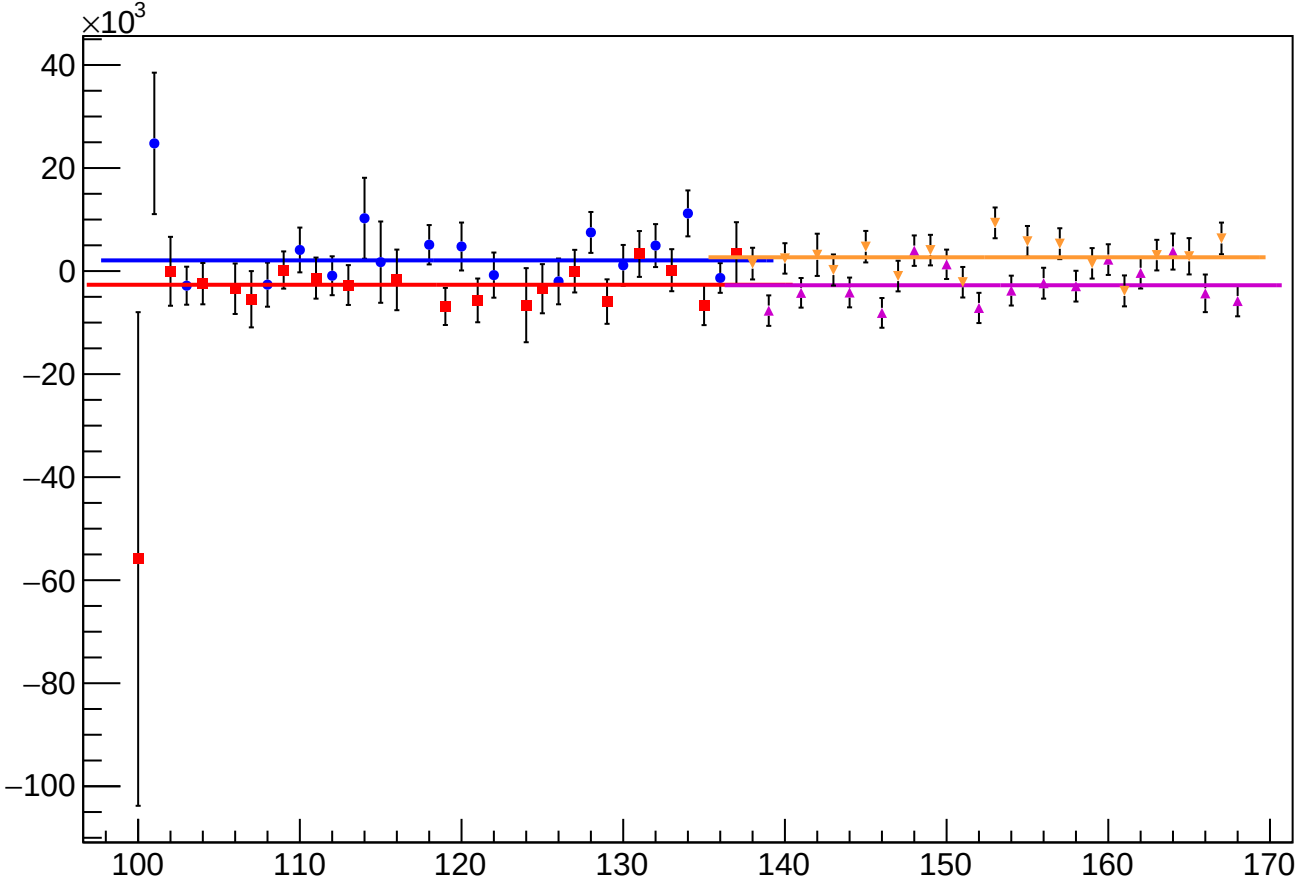
Left In: 811.256+/-0.166 χ^2/NDF:941843.1/14

+ sign 708.753+/-0.119 χ^2/NDF: 3778622.5/31

All: 690.509+/-0.082 χ^2/NDF: 7653296.4/65

- sign 674.049+/-0.113 χ^2/NDF: 3829823.5/33

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2677.398+/-767.449 χ^2/NDF:18.9/15

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Left In: -2752.047+/-775.648 χ^2/NDF:24.5/14

+ sign 2474.496+/-625.038 χ^2/NDF: 36.9/31

All: -126.968+/-441.550 χ^2/NDF: 105.9/65

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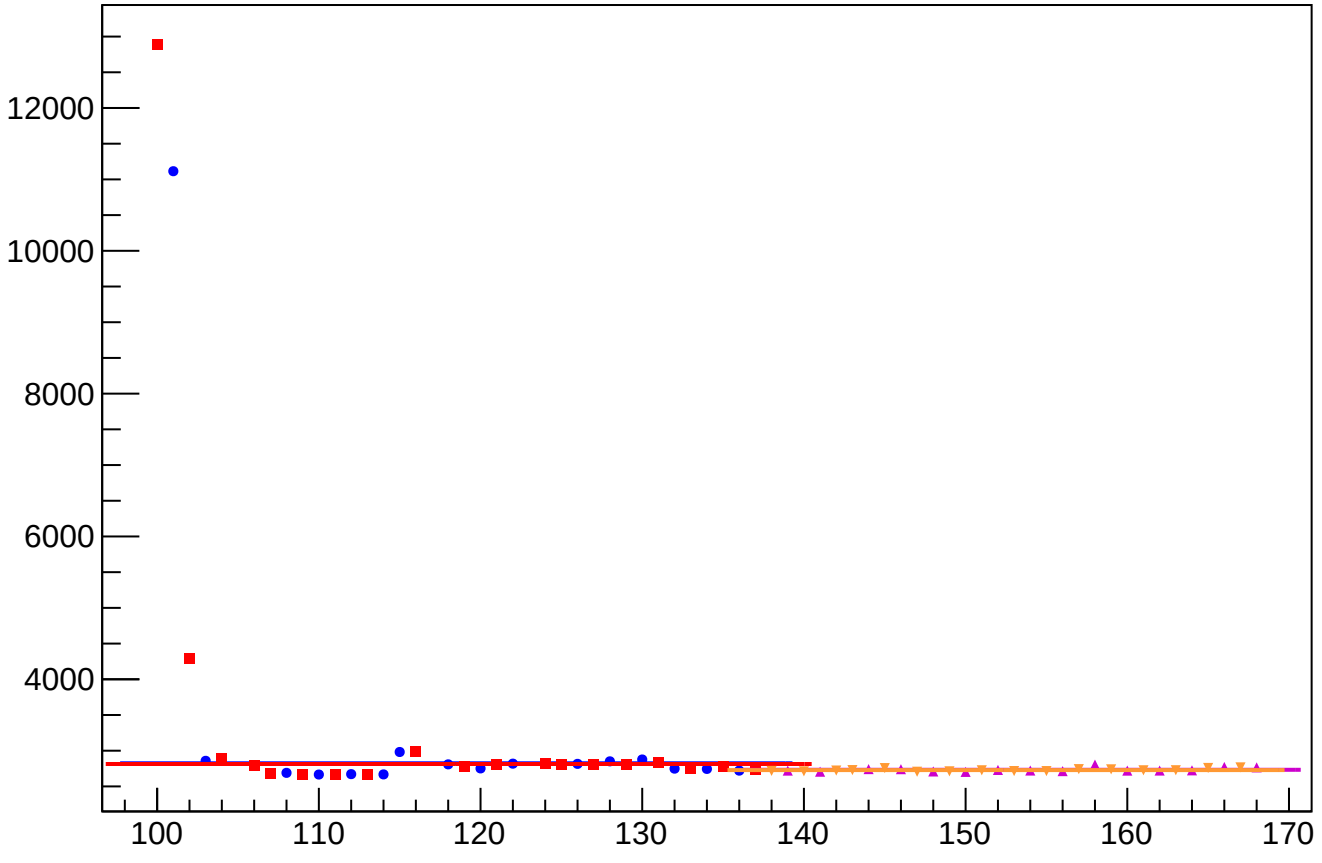
eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2728.423+/-0.543 χ^2/NDF:1054.7/15

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

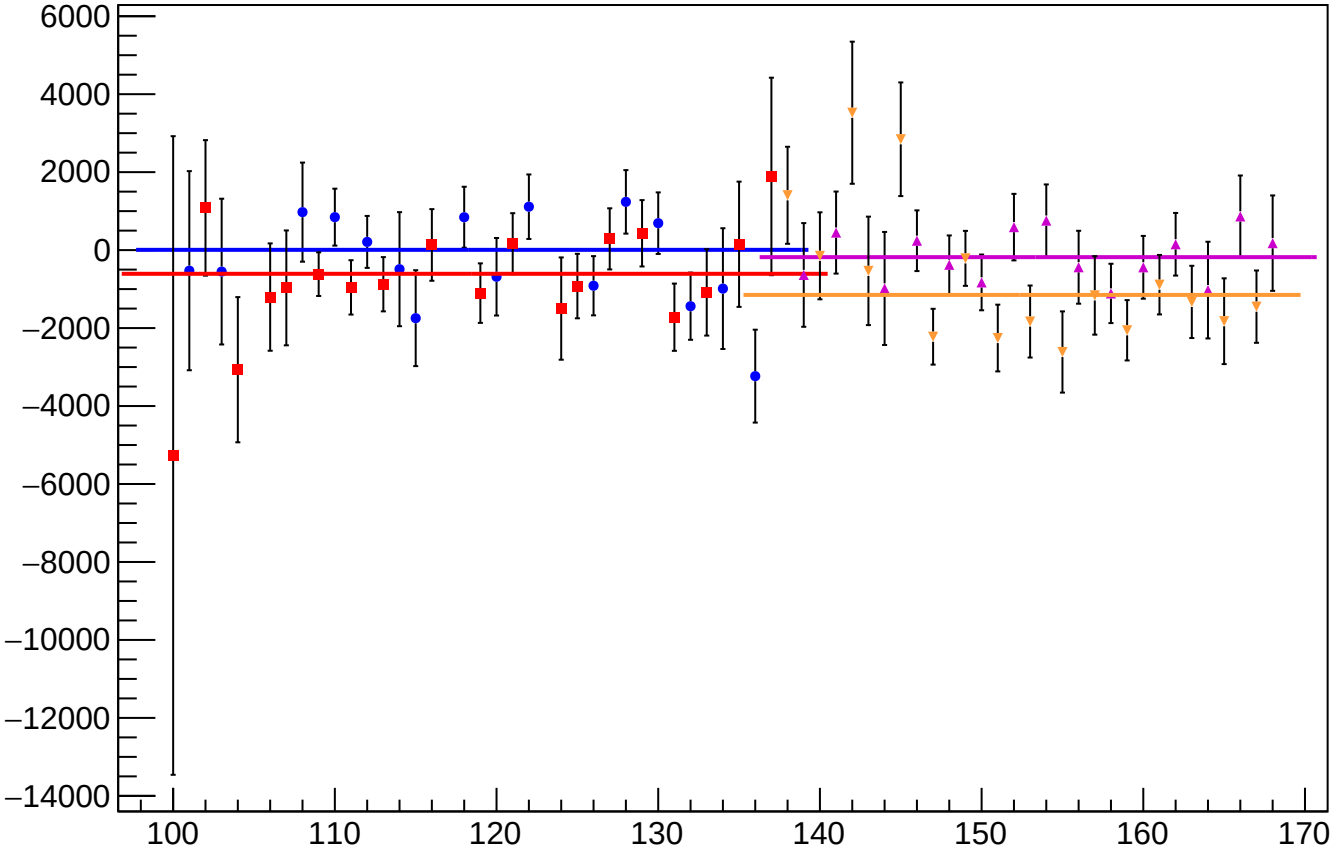
Left In: 2732.652+/-0.548 χ^2/NDF:2416.2/14

+ sign 2760.417+/-0.442 χ^2/NDF: 755294.6/31

All: 2760.866+/-0.312 χ^2/NDF: 965958.2/65

- sign 2761.313+/-0.441 χ^2/NDF: 210661.6/33

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1149.277+/-237.795 χ^2/NDF:29.5/15

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: -180.366+/-235.445 χ^2/NDF:7.2/14

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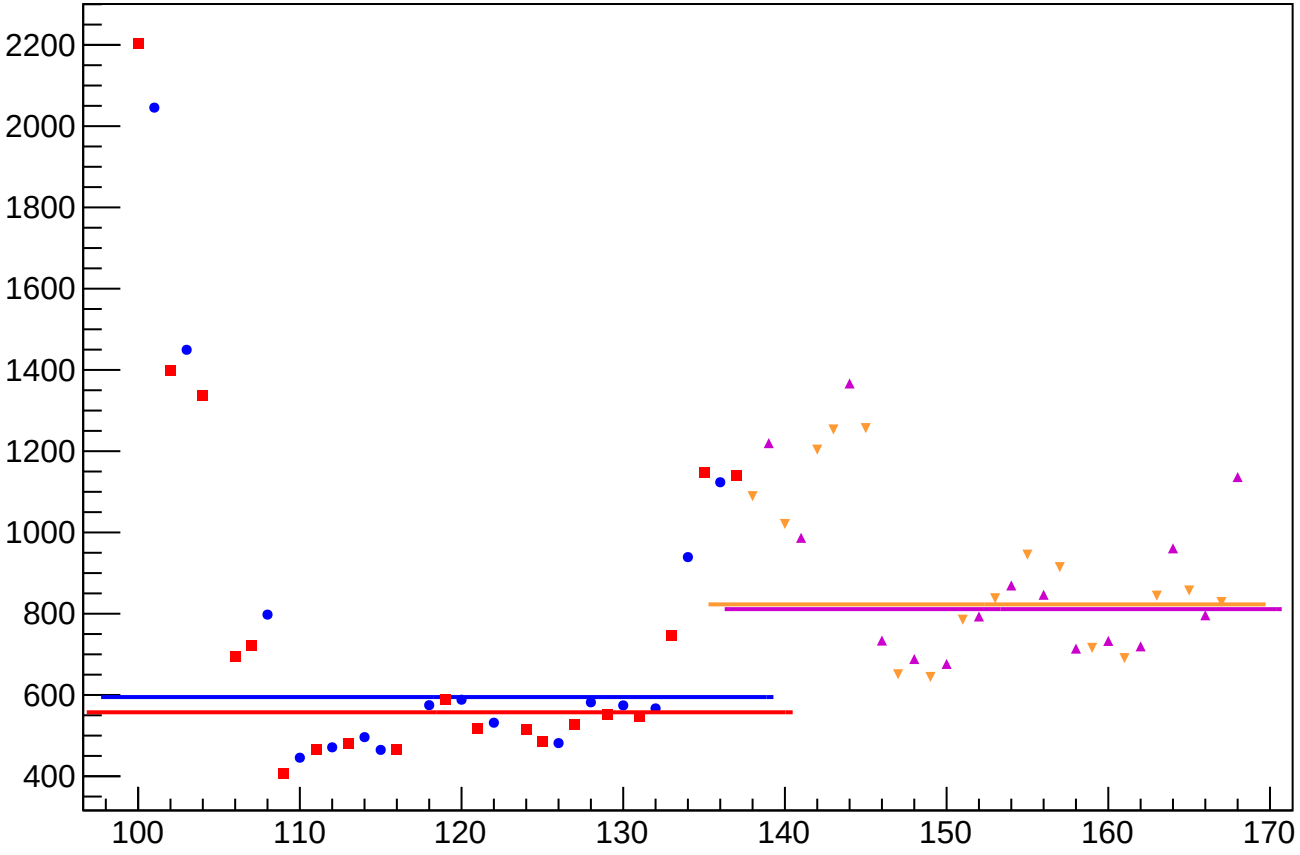
\- sign -411.305+/-159.602 χ^2/NDF: 21.1/33

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 822.975+/-0.168 χ^2/NDF:1004396.7/15

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

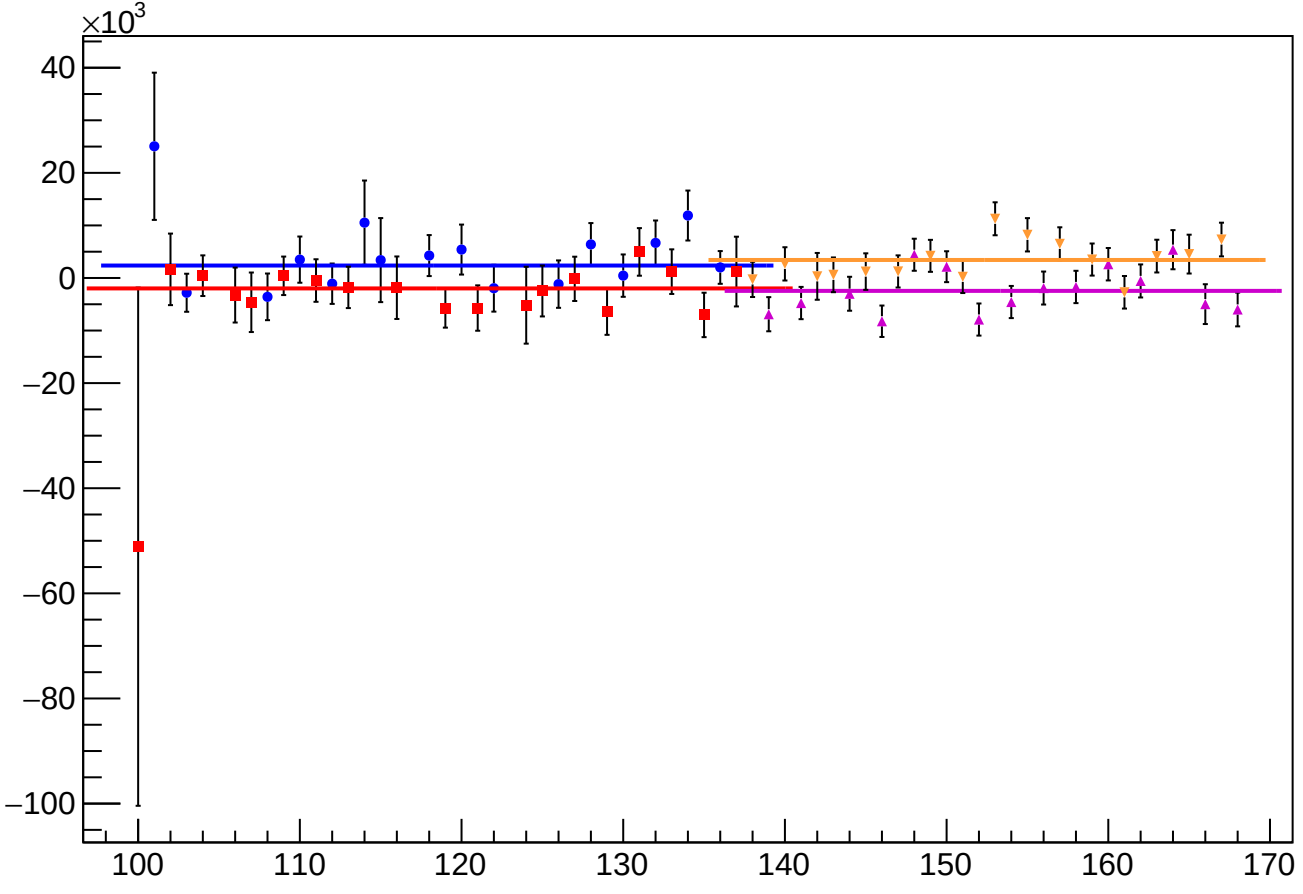
Left In: 811.256+/-0.166 χ^2/NDF:941846.5/14

+ sign 708.753+/-0.119 χ^2/NDF: 3778615.6/31

All: 690.509+/-0.082 χ^2/NDF: 7653288.4/65

- sign 674.049+/-0.113 χ^2/NDF: 3829821.8/33

asym_atr1_mean vs Slug



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3426.056+/-810.764 χ^2/NDF:19.6/15

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

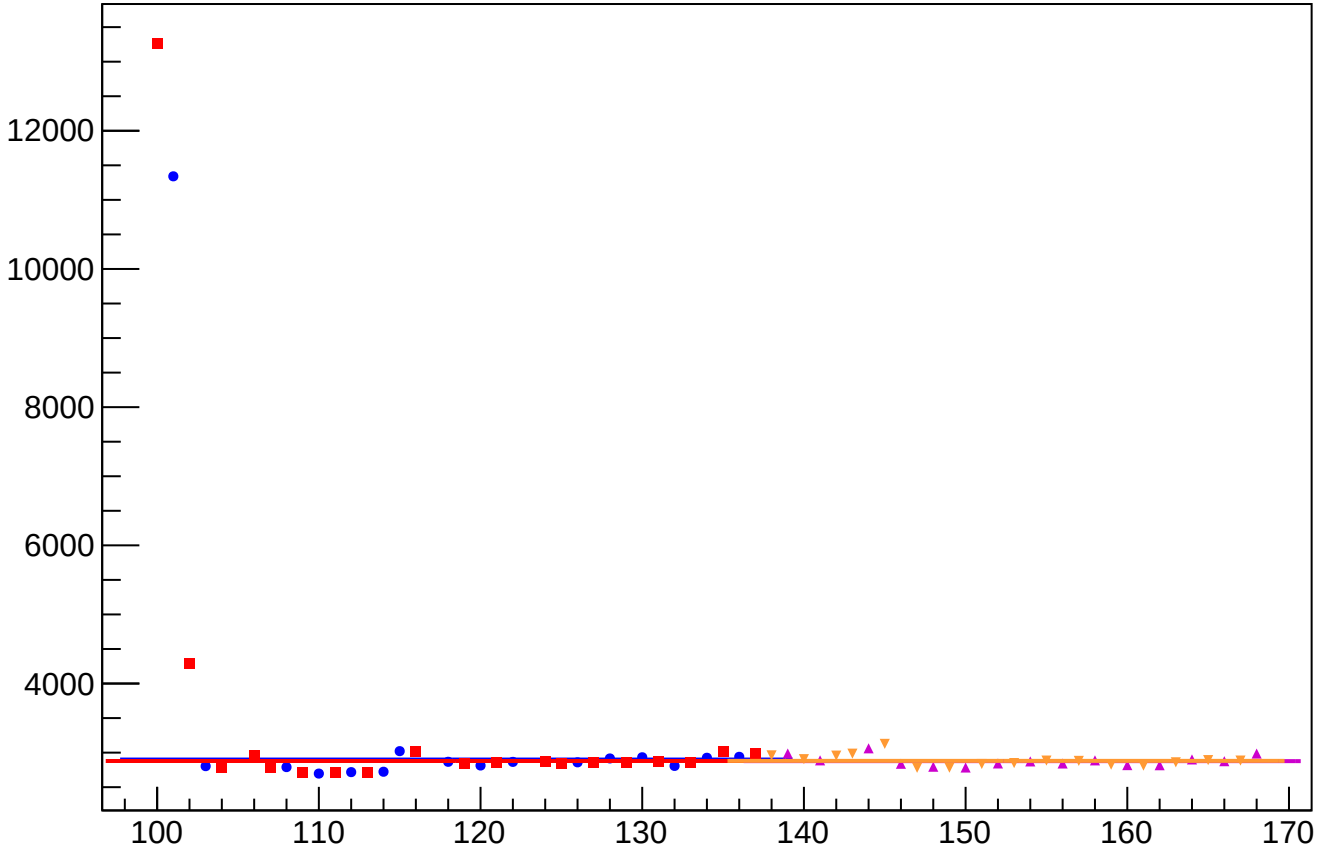
Left In: -2454.174+/-816.909 χ^2/NDF:26.6/14

+ sign 3056.021+/-653.932 χ^2/NDF: 37.0/31

All: 372.297+/-461.177 χ^2/NDF: 107.6/65

- sign -2283.231+/-650.487 χ^2/NDF: 37.1/33

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2880.837+/-0.573 χ^2/NDF:20534.5/15

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

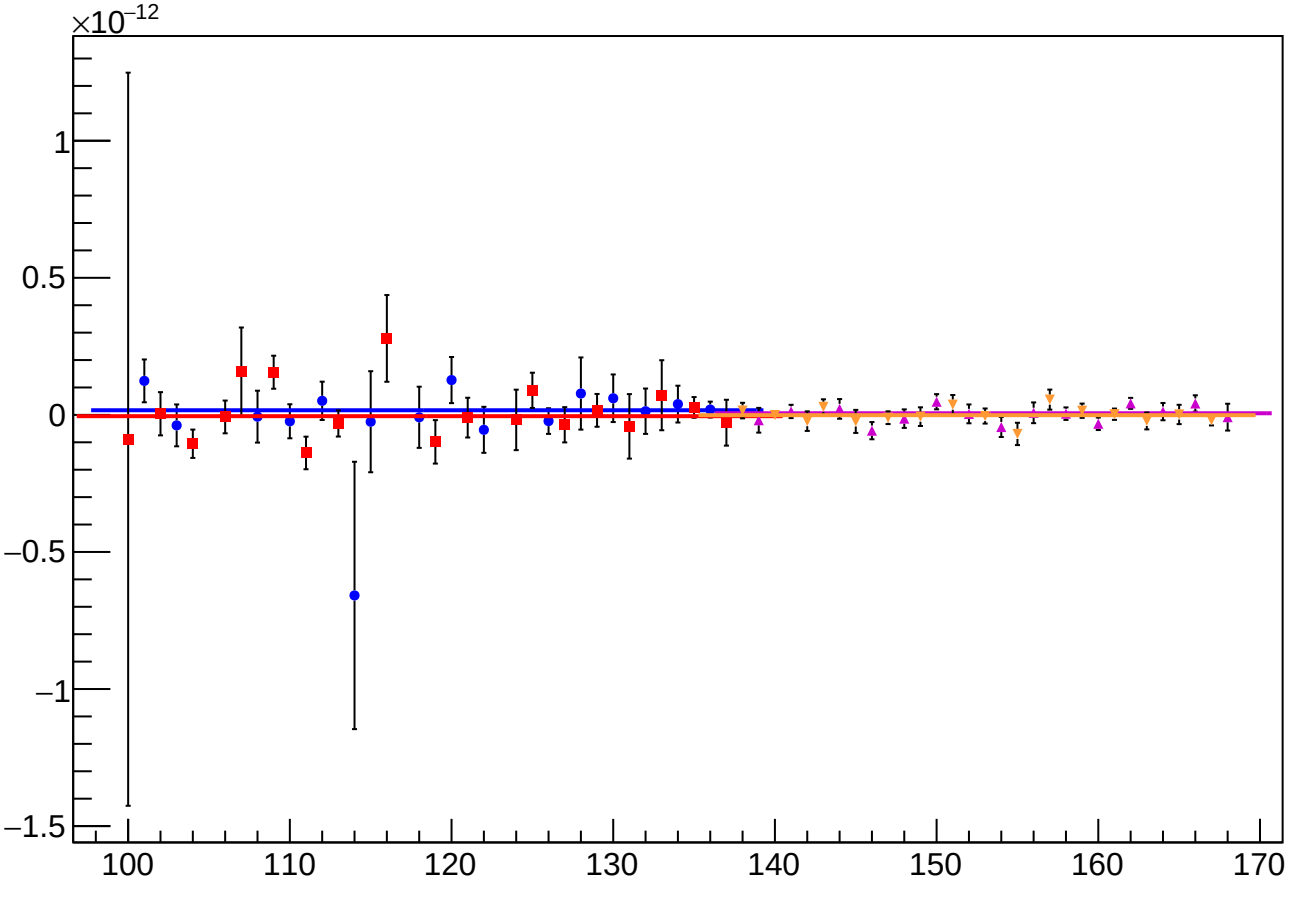
Left In: 2876.913+/-0.578 χ^2/NDF:16952.2/14

+ sign 2887.473+/-0.462 χ^2/NDF: 762736.1/31

All: 2882.541+/-0.326 χ^2/NDF: 973201.6/65

- sign 2877.661+/-0.460 χ^2/NDF: 210239.2/33

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:10.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

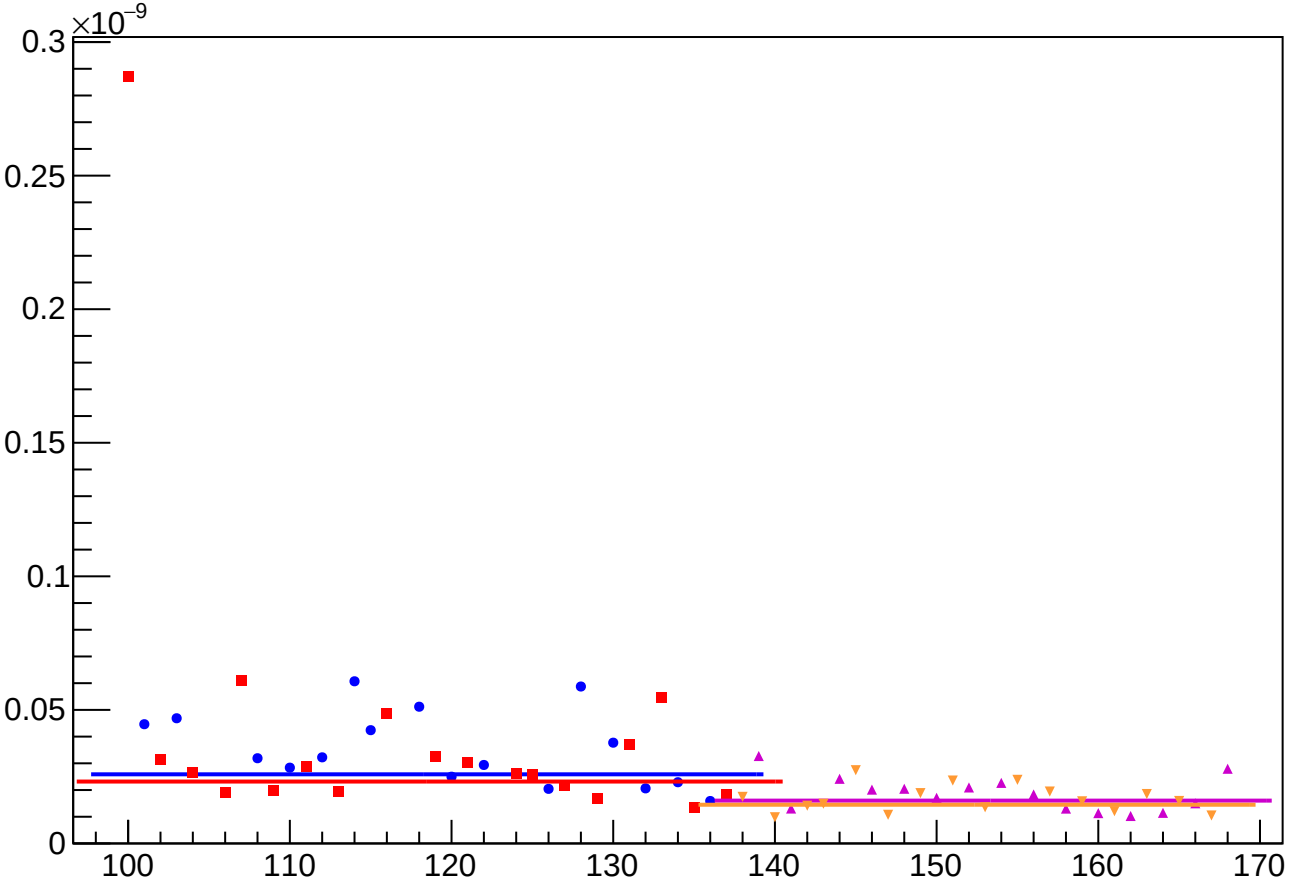
Left In: 0.000+/-0.000 χ^2/NDF:16.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 20.5/31

All: 0.000+/-0.000 χ^2/NDF: 63.5/65

- sign 0.000+/-0.000 χ^2/NDF: 42.9/33

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:861545.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

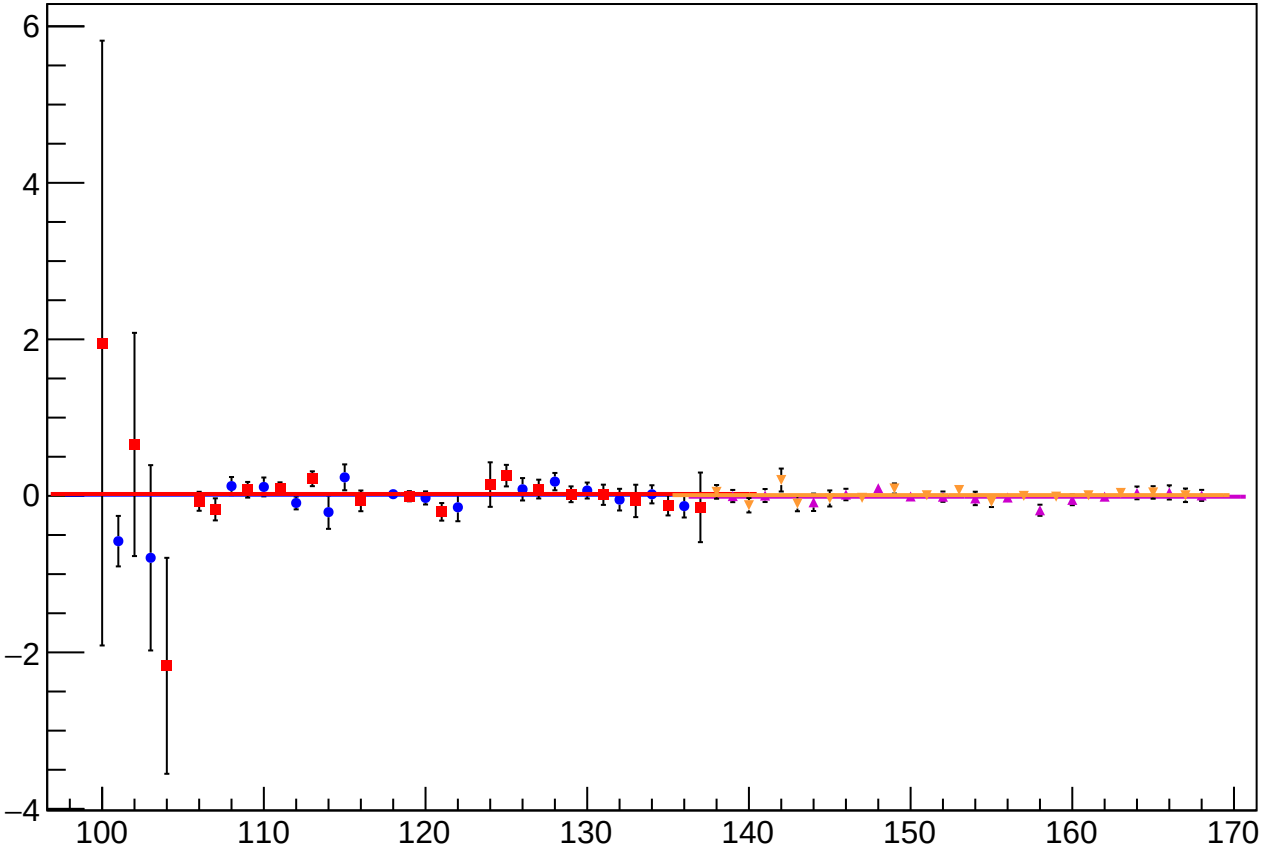
Left In: 0.000+/-0.000 χ^2/NDF:1041045.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 2510703.8/31

All: 0.000+/-0.000 χ^2/NDF: 4615056.8/65

- sign 0.000+/-0.000 χ^2/NDF: 2065386.4/33

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+/-0.017 χ^2/NDF:10.8/15

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

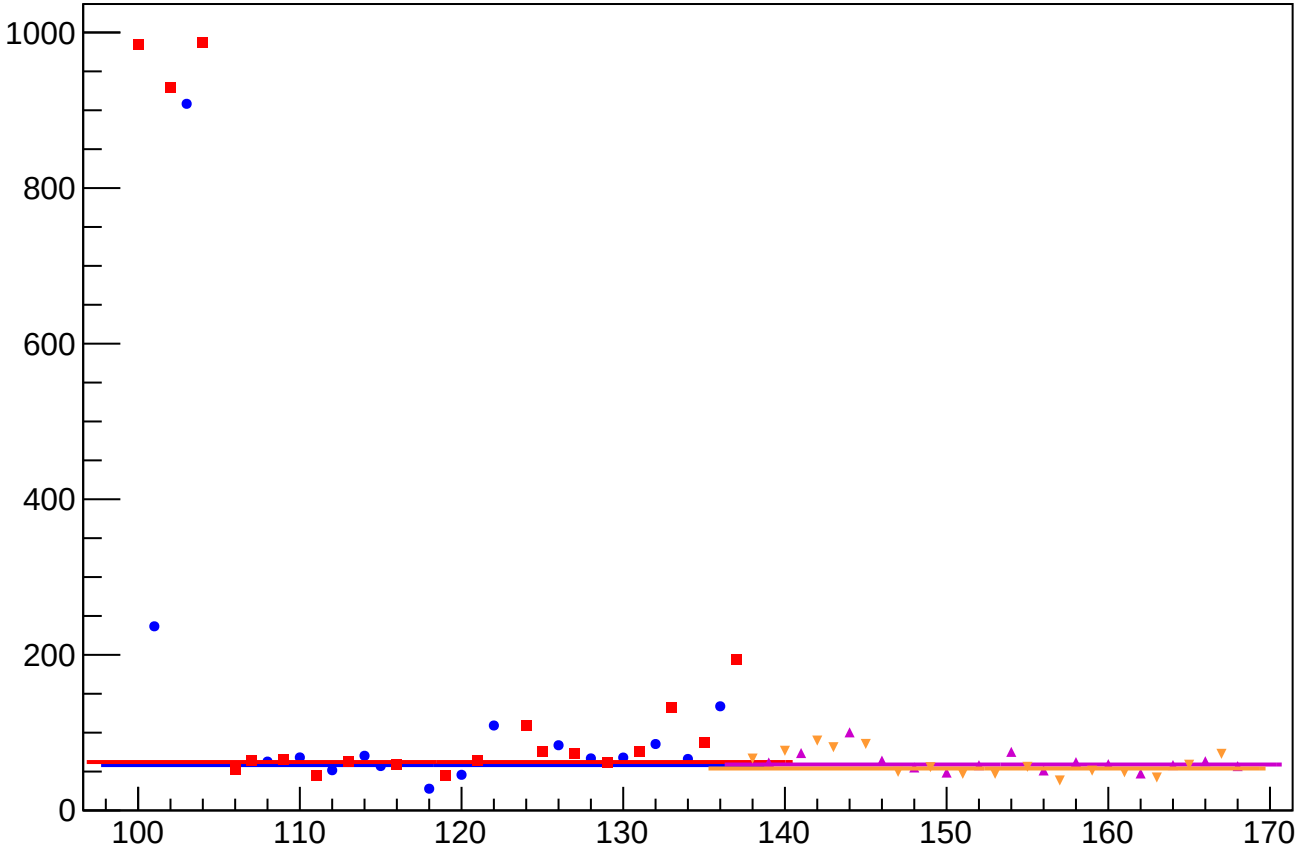
Left In: -0.011+/-0.018 χ^2/NDF:10.7/14

+ sign 0.011+/-0.015 χ^2/NDF: 25.9/31

All: 0.006+/-0.011 χ^2/NDF: 58.7/65

- sign -0.000+/-0.015 χ^2/NDF: 32.5/33

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.922+/-0.012 χ^2/NDF:1045261.0/15

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

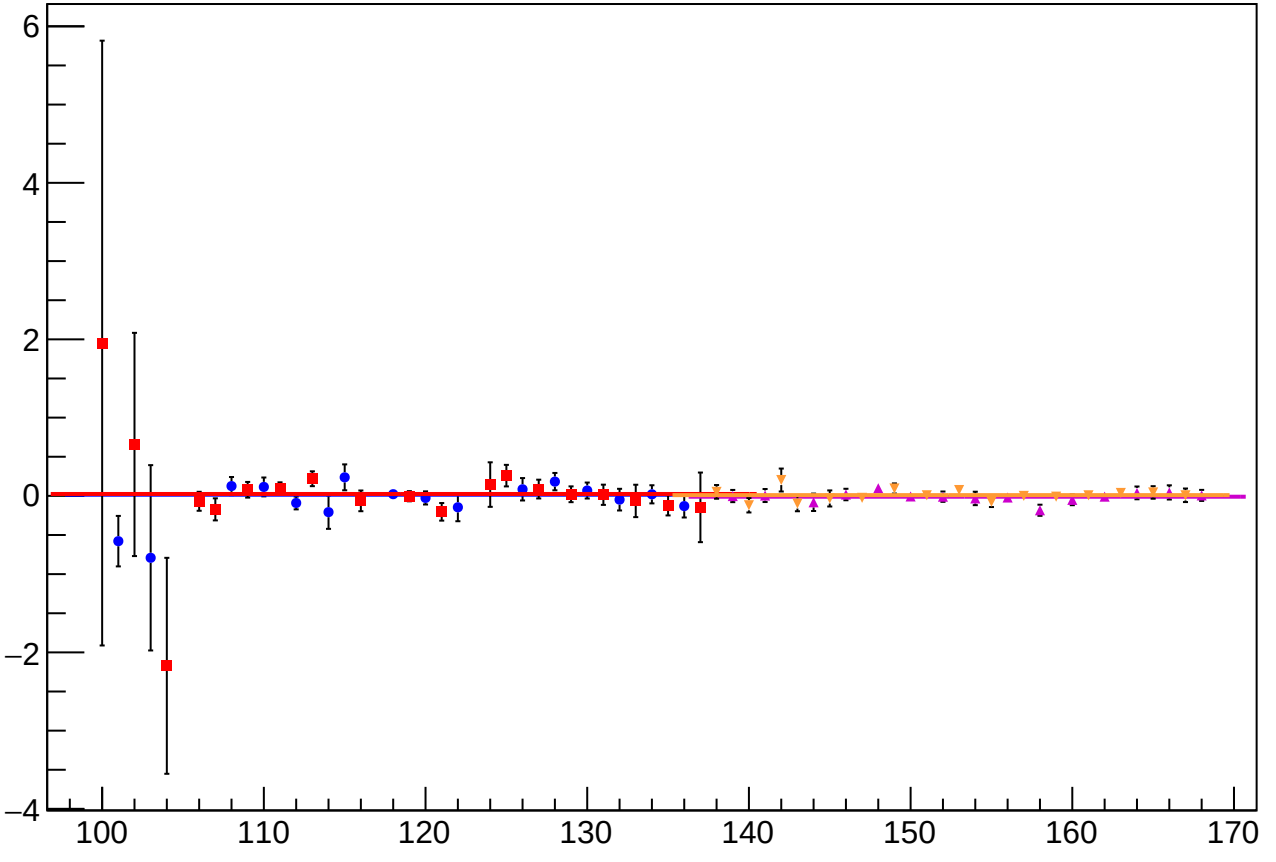
Left In: 59.038+/-0.013 χ^2/NDF:616413.9/14

+ sign 55.152+/-0.010 χ^2/NDF: 4341500.4/31

All: 57.470+/-0.008 χ^2/NDF: 7706833.1/65

- sign 60.001+/-0.011 χ^2/NDF: 3261634.2/33

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+/-0.017 χ^2/NDF:10.8/15

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

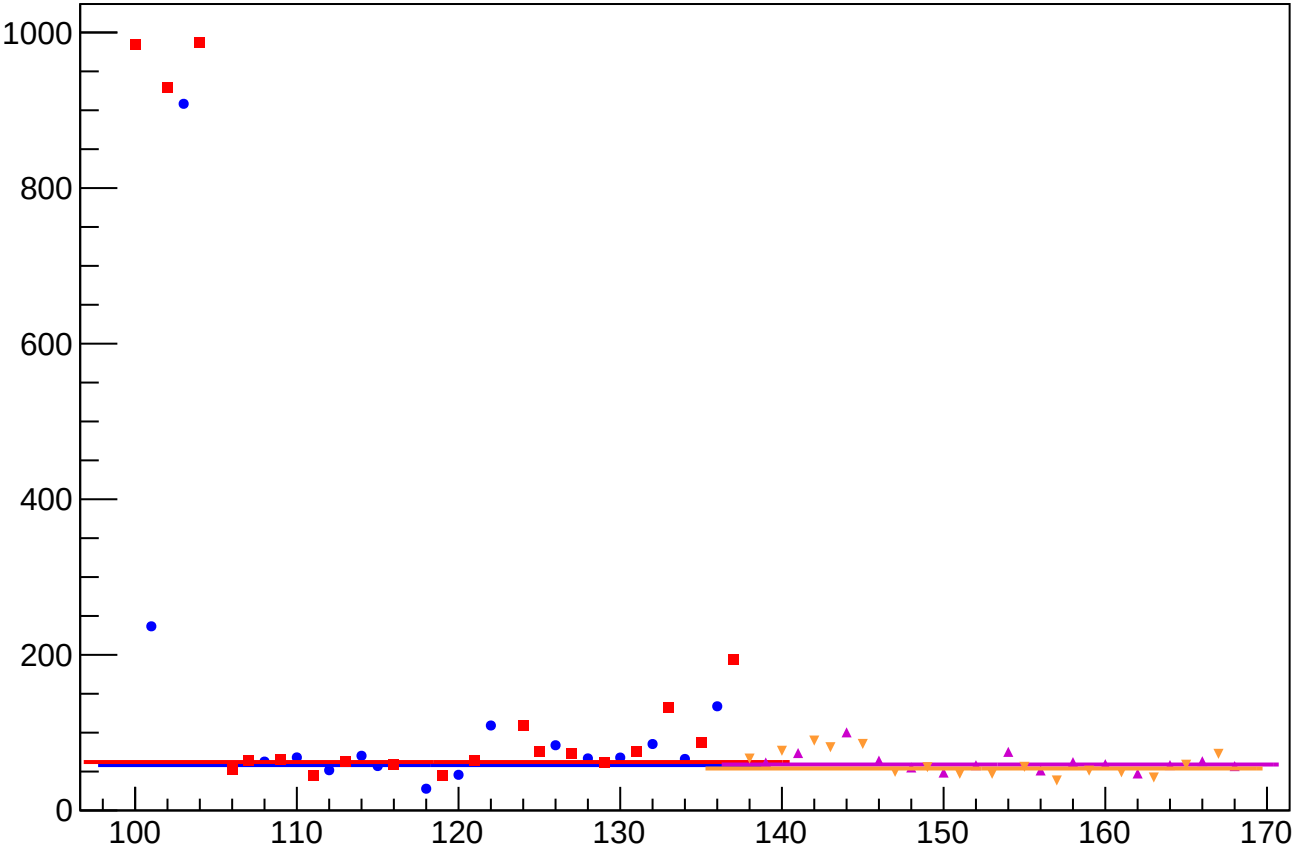
Left In: -0.011+/-0.018 χ^2/NDF:10.7/14

+ sign 0.011+/-0.015 χ^2/NDF: 25.9/31

All: 0.006+/-0.011 χ^2/NDF: 58.7/65

- sign -0.000+/-0.015 χ^2/NDF: 32.5/33

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.922+/-0.012 χ^2/NDF:1045261.0/15

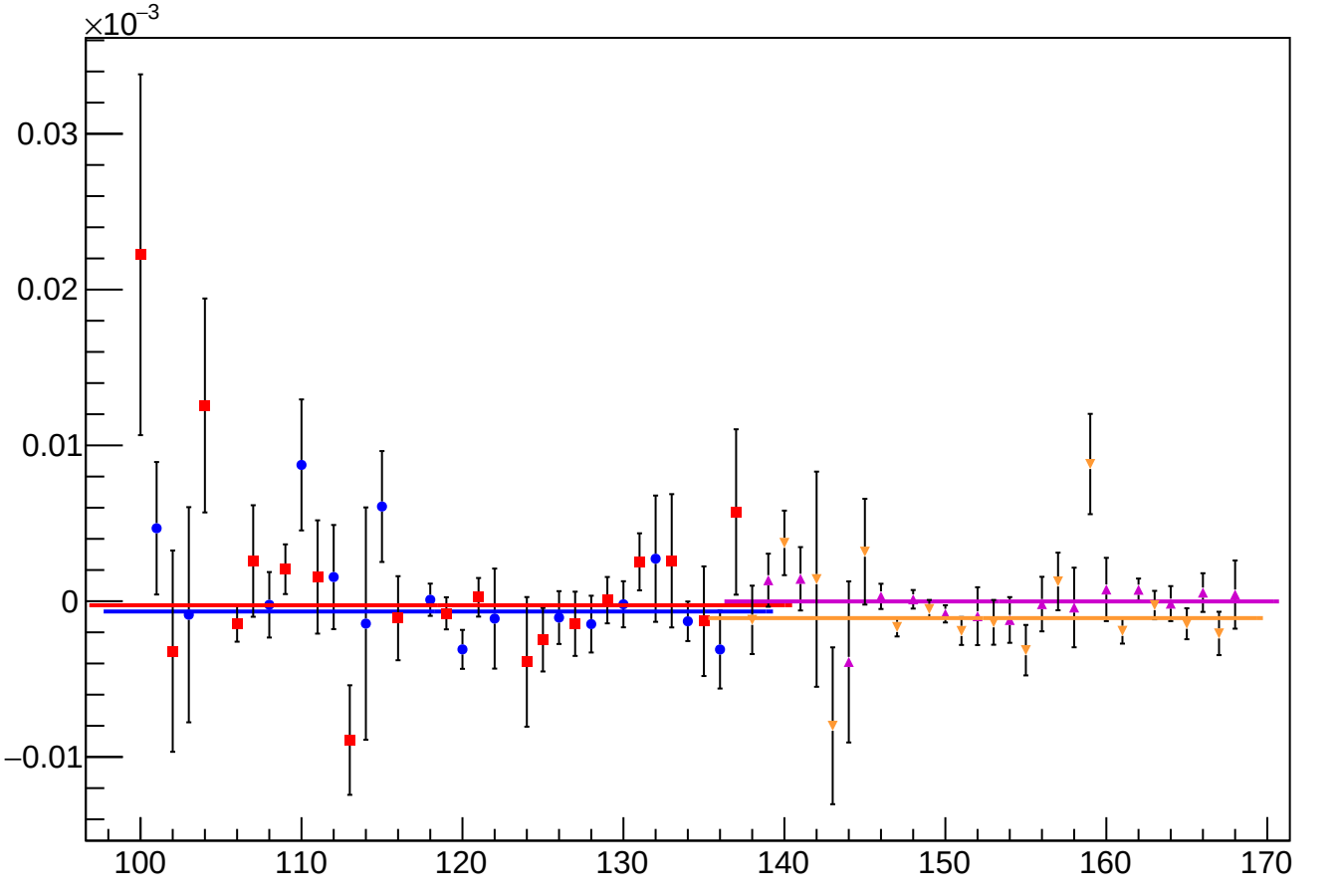
Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 59.038+/-0.013 χ^2/NDF:616413.9/14

+ sign 55.152+/-0.010 χ^2/NDF: 4341500.4/31

All: 57.470+/-0.008 χ^2/NDF: 7706833.1/65

- sign 60.001+/-0.011 χ^2/NDF: 3261634.2/33



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

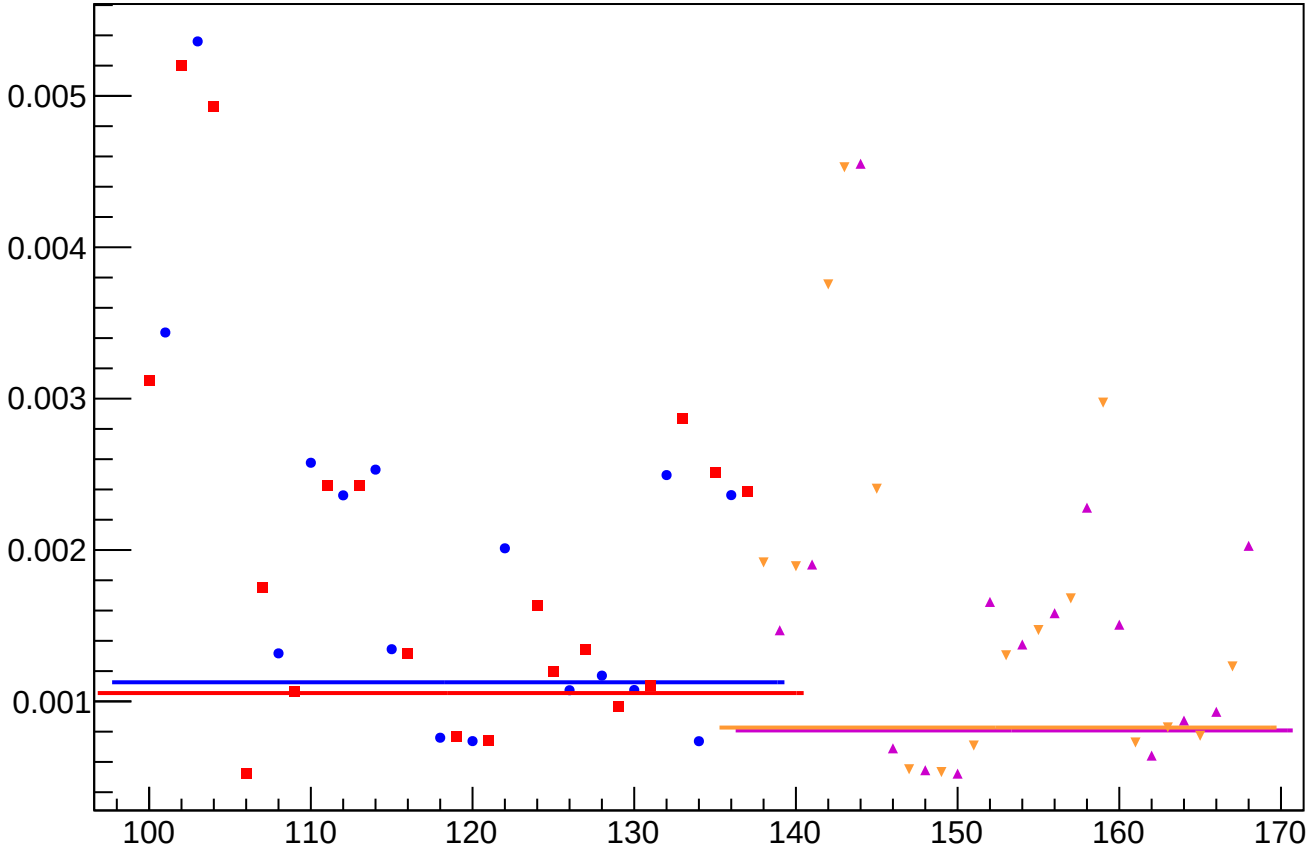
Left In: -0.000+/-0.000 χ^2/NDF:6.5/14

+ sign -0.000+/-0.000 χ^2/NDF: 44.7/31

All: -0.000+/-0.000 χ^2/NDF: 83.1/65

- sign -0.000+/-0.000 χ^2/NDF: 31.2/33

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:5907996.8/15

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

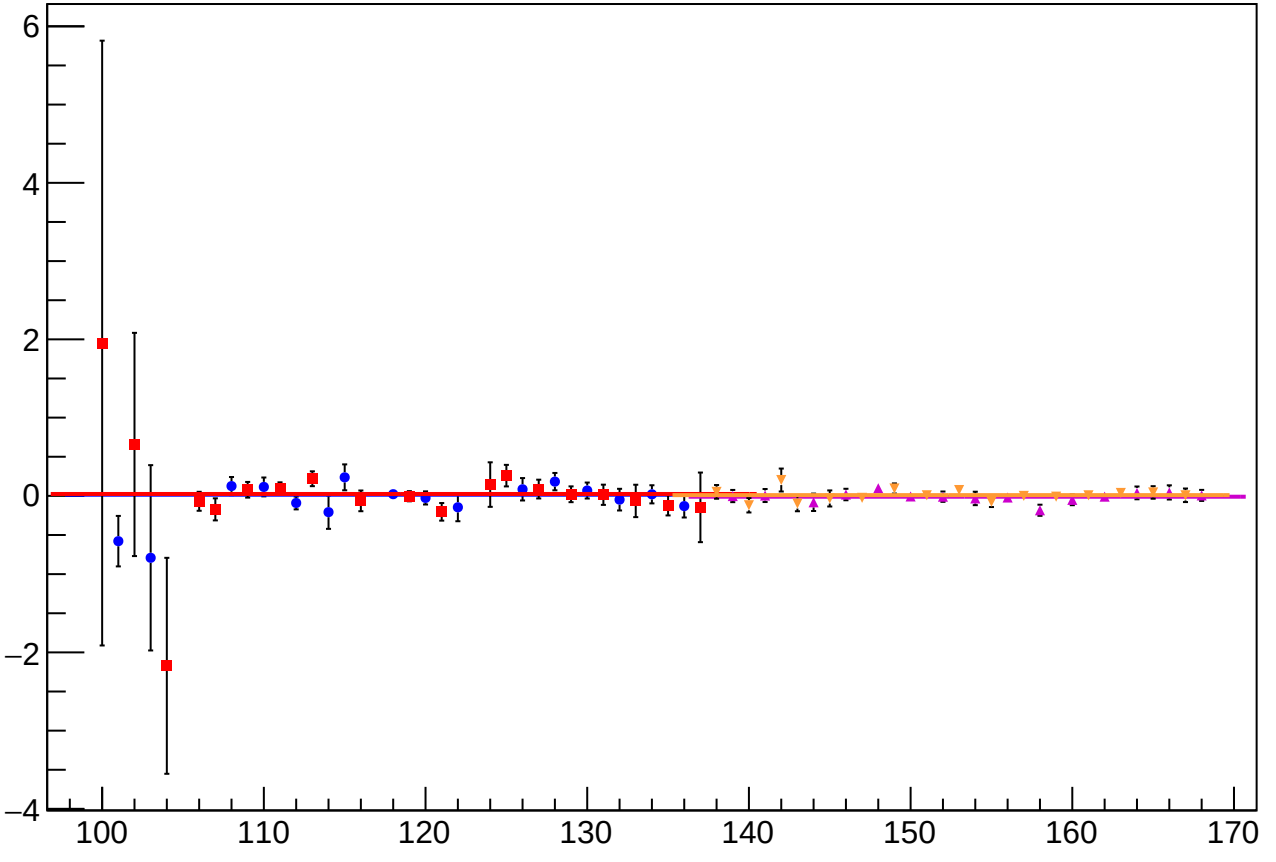
Left In: 0.001+/-0.000 χ^2/NDF:5660974.8/14

+ sign 0.001+/-0.000 χ^2/NDF: 9925103.3/31

All: 0.001+/-0.000 χ^2/NDF: 19867139.5/65

- sign 0.001+/-0.000 χ^2/NDF: 9928286.8/33

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+/-0.017 χ^2/NDF:10.8/15

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

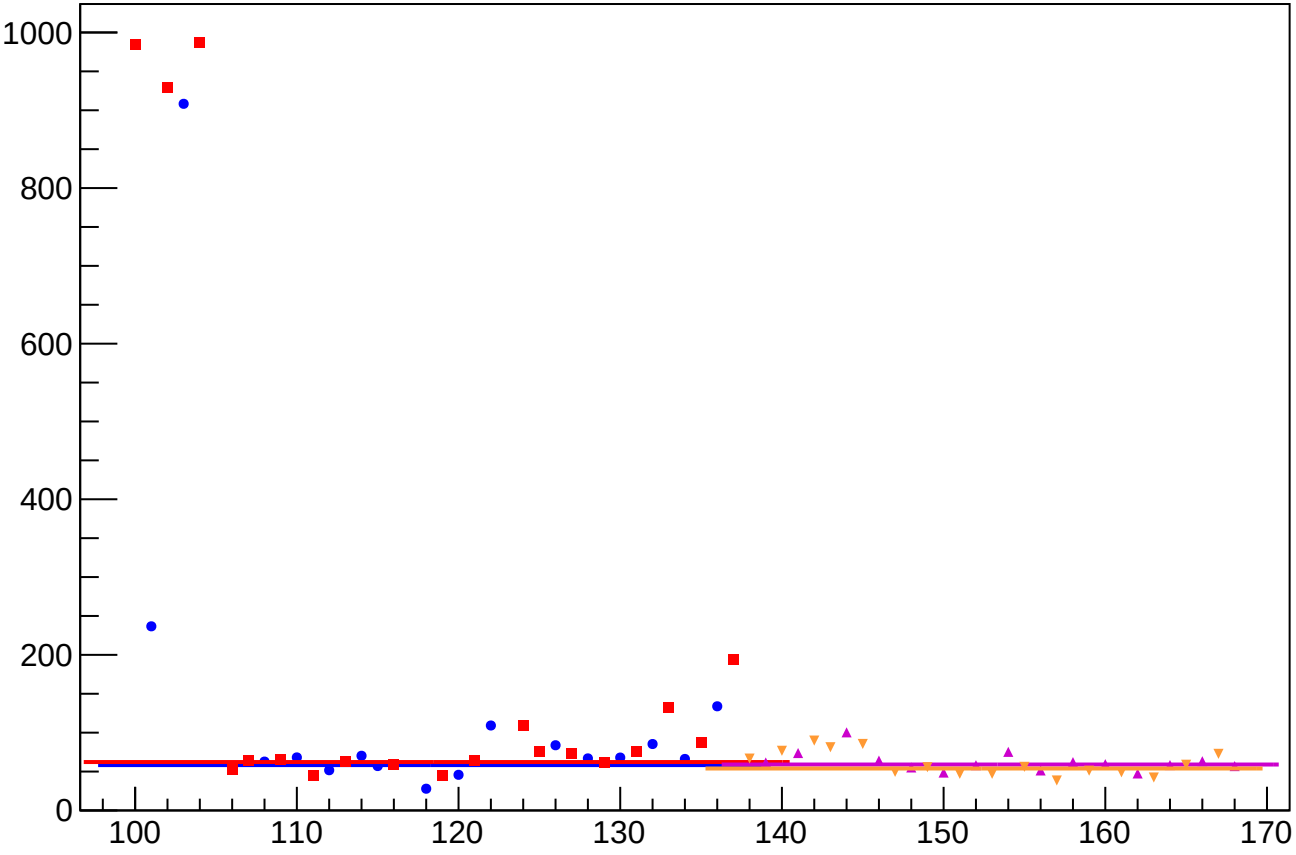
Left In: -0.011+/-0.018 χ^2/NDF:10.7/14

+ sign 0.011+/-0.015 χ^2/NDF: 25.9/31

All: 0.006+/-0.011 χ^2/NDF: 58.7/65

- sign -0.000+/-0.015 χ^2/NDF: 32.5/33

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.922+/-0.012 χ^2/NDF:1045326.5/15

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

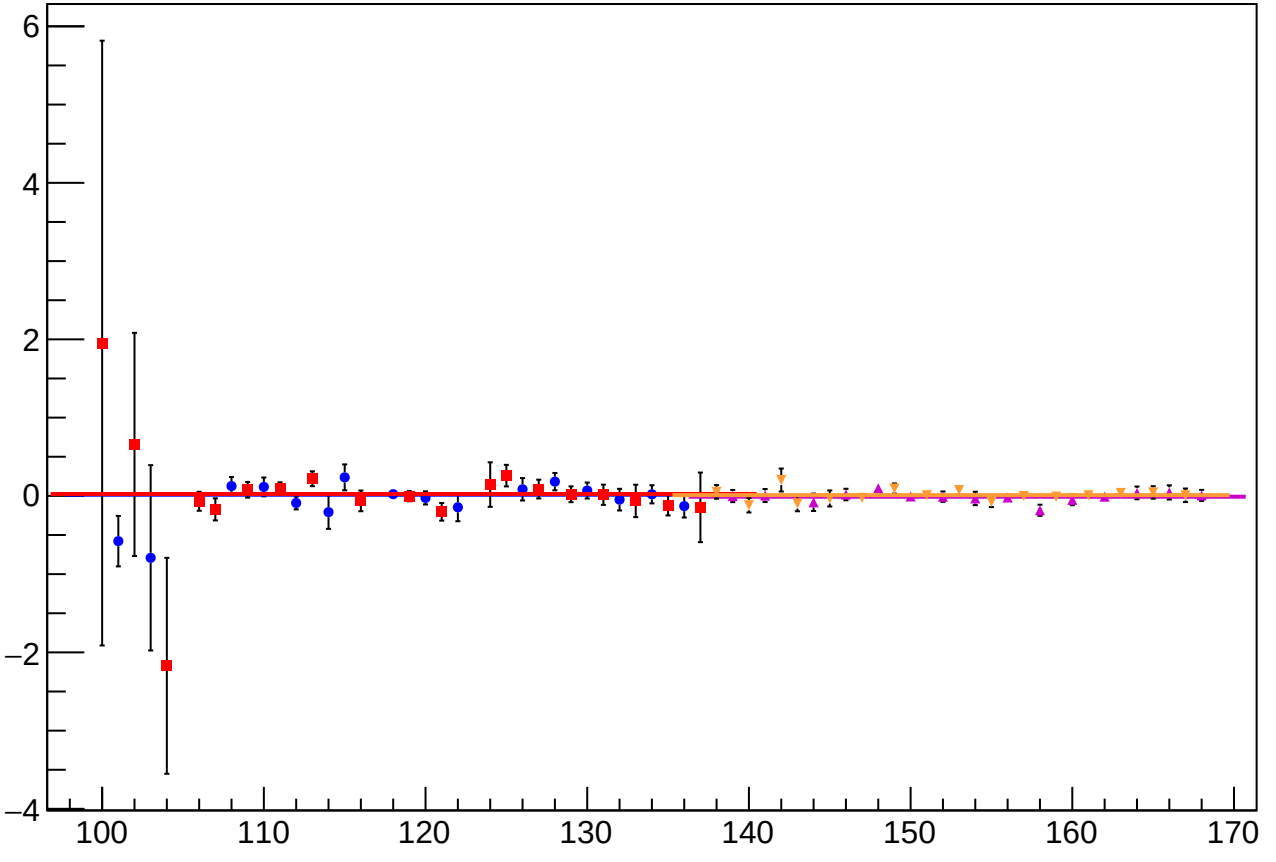
Left In: 59.038+/-0.013 χ^2/NDF:616438.2/14

+ sign 55.151+/-0.010 χ^2/NDF: 4341643.5/31

All: 57.470+/-0.008 χ^2/NDF: 7707020.2/65

- sign 60.001+/-0.011 χ^2/NDF: 3261648.6/33

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+/-0.017 χ^2/NDF:10.8/15

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

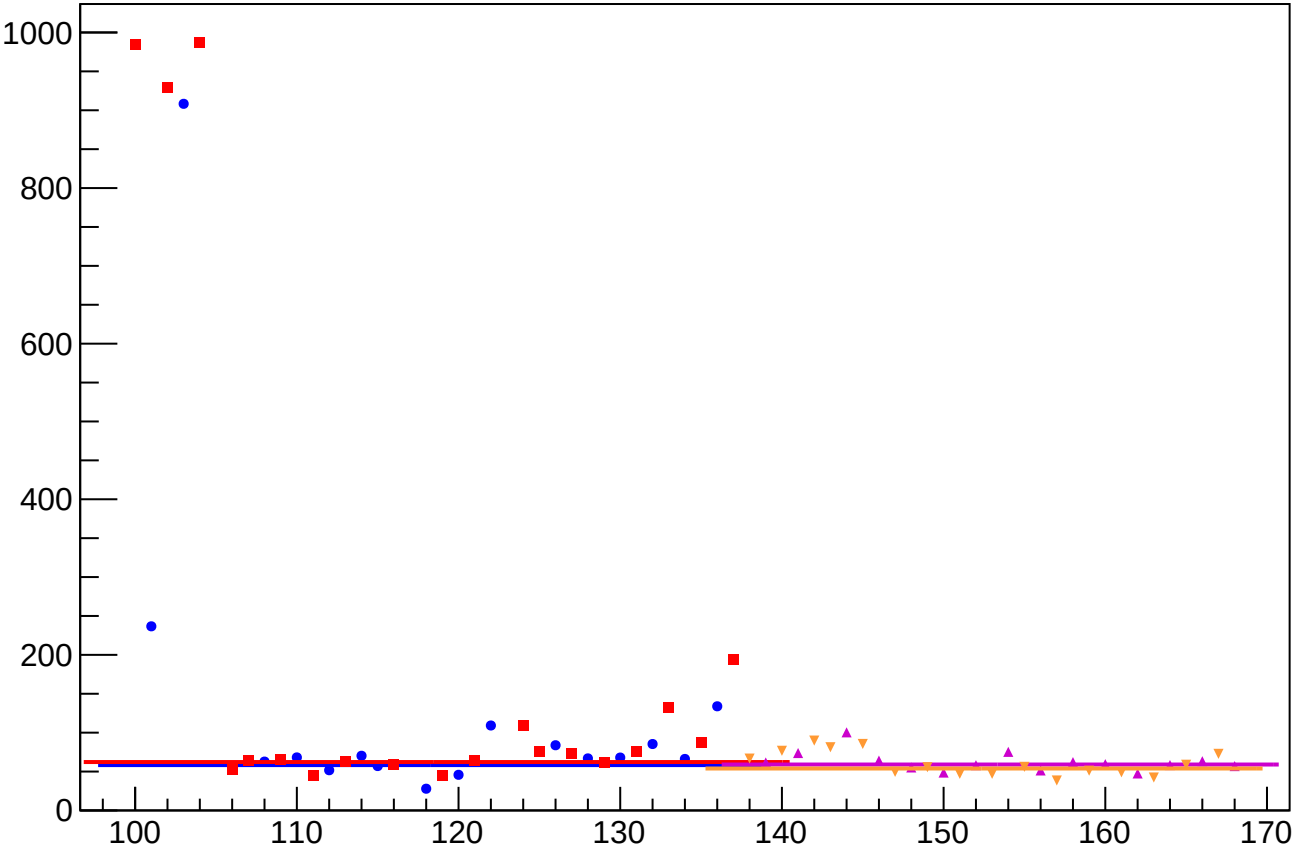
Left In: -0.011+/-0.018 χ^2/NDF:10.7/14

+ sign 0.011+/-0.015 χ^2/NDF: 25.9/31

All: 0.006+/-0.011 χ^2/NDF: 58.7/65

- sign -0.000+/-0.015 χ^2/NDF: 32.5/33

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: 53.922+/-0.012 χ^2/NDF:1045326.5/15

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

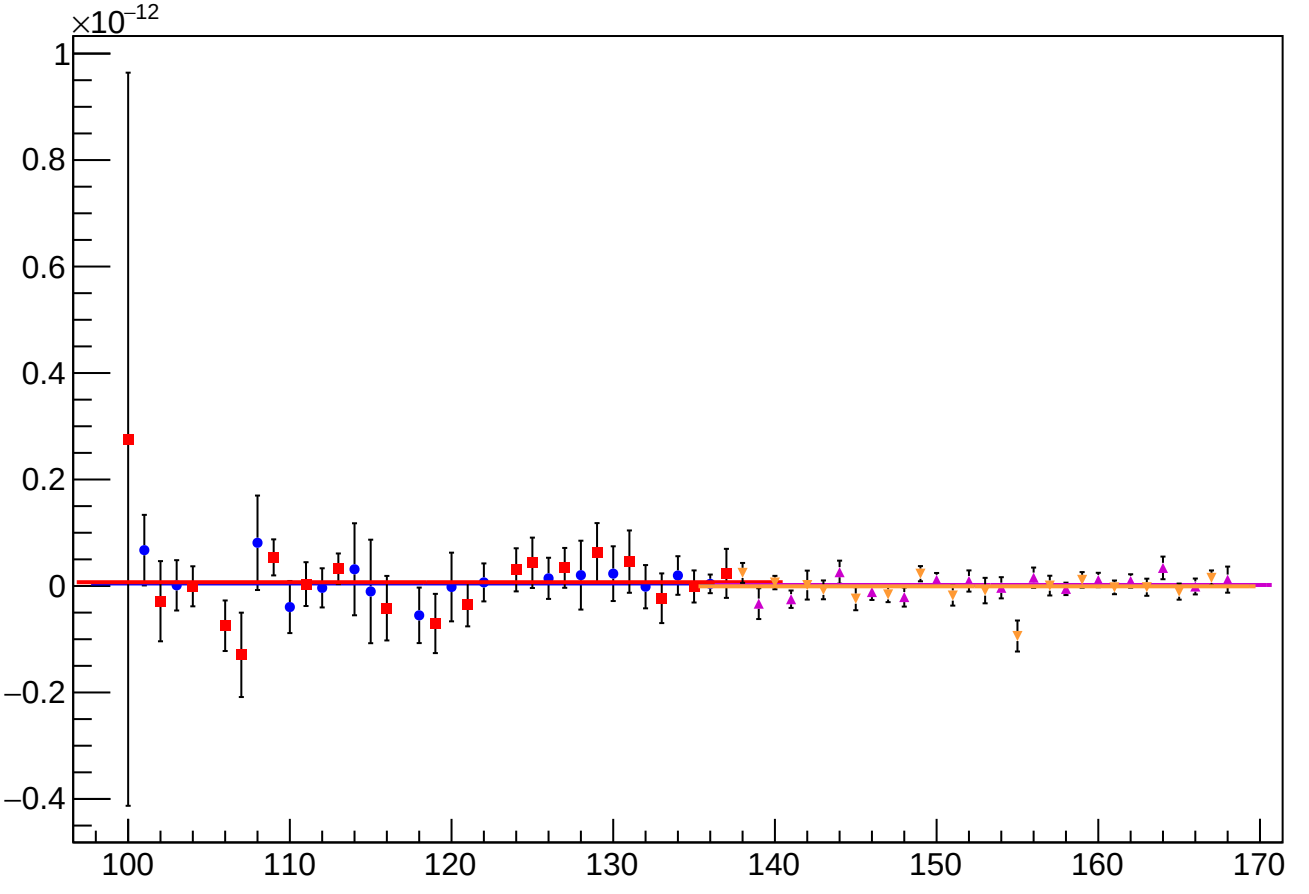
Left In: 59.038+/-0.013 χ^2/NDF:616438.2/14

+ sign 55.151+/-0.010 χ^2/NDF: 4341643.5/31

All: 57.470+/-0.008 χ^2/NDF: 7707020.2/65

- sign 60.001+/-0.011 χ^2/NDF: 3261648.6/33

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:20.9/15

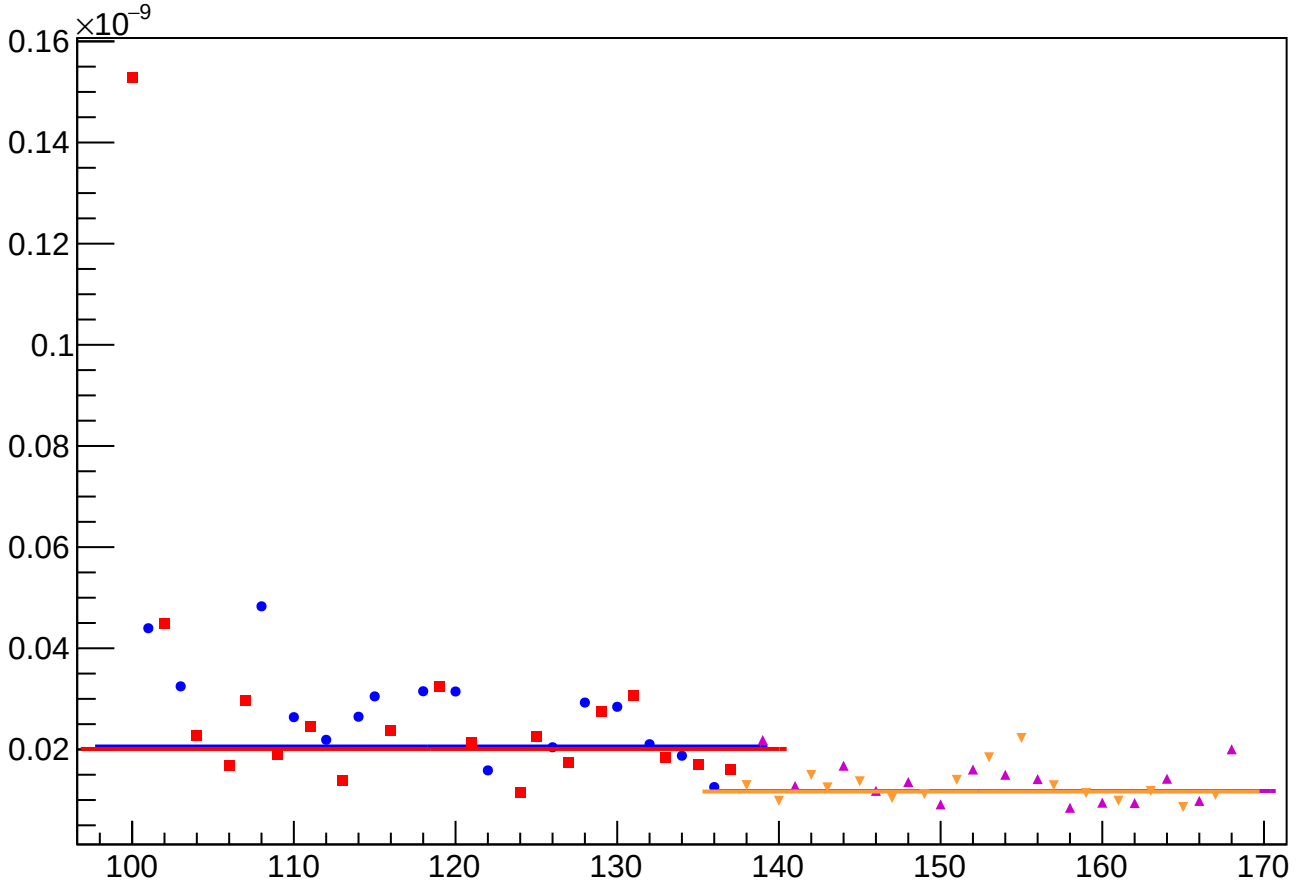
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 25.5/31

All: 0.000+/-0.000 χ^2/NDF: 54.9/65

- sign 0.000+/-0.000 χ^2/NDF: 29.1/33



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:710009.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

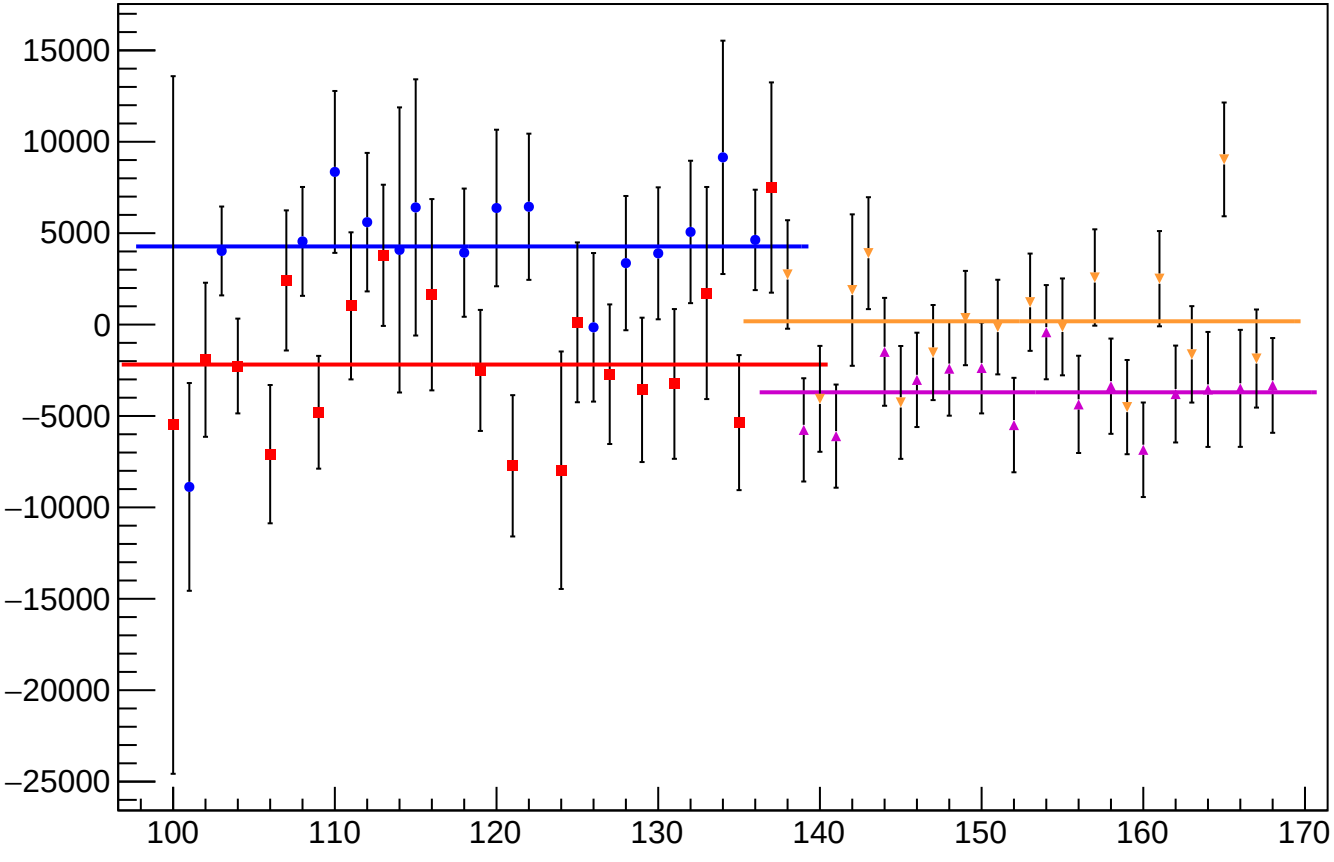
Left In: 0.000+/-0.000 χ^2/NDF:1212811.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 3323630.6/31

All: 0.000+/-0.000 χ^2/NDF: 6498017.0/65

- sign 0.000+/-0.000 χ^2/NDF: 3173874.8/33

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 179.890+/-696.498 χ^2/NDF:21.3/15

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

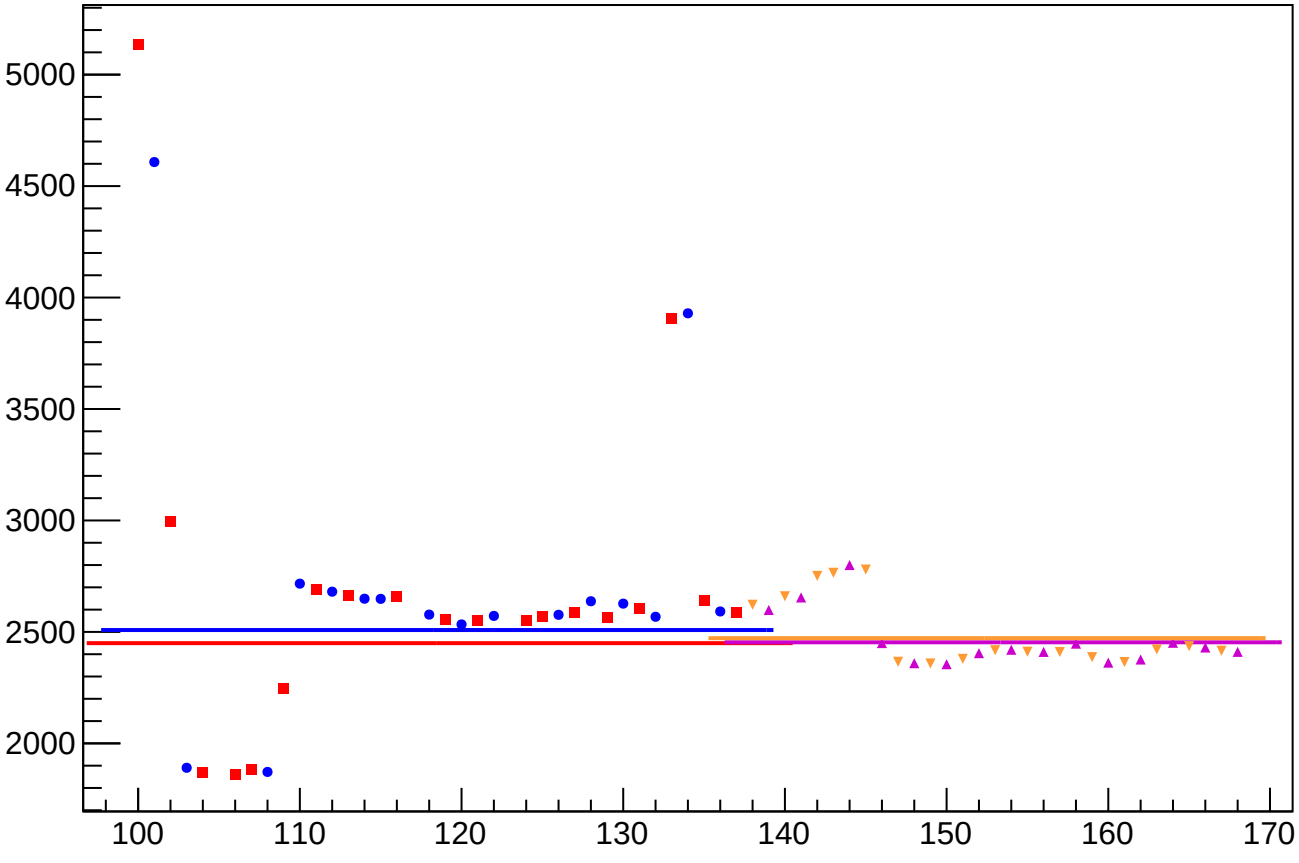
Left In: -3704.533+/-697.173 χ^2/NDF:6.1/14

+ sign 1607.506+/-562.111 χ^2/NDF: 42.3/31

All: -797.922+/-395.335 χ^2/NDF: 101.1/65

- sign -3152.306+/-556.115 χ^2/NDF: 22.7/33

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2472.014+/-0.492 χ^2/NDF:81031.5/15

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

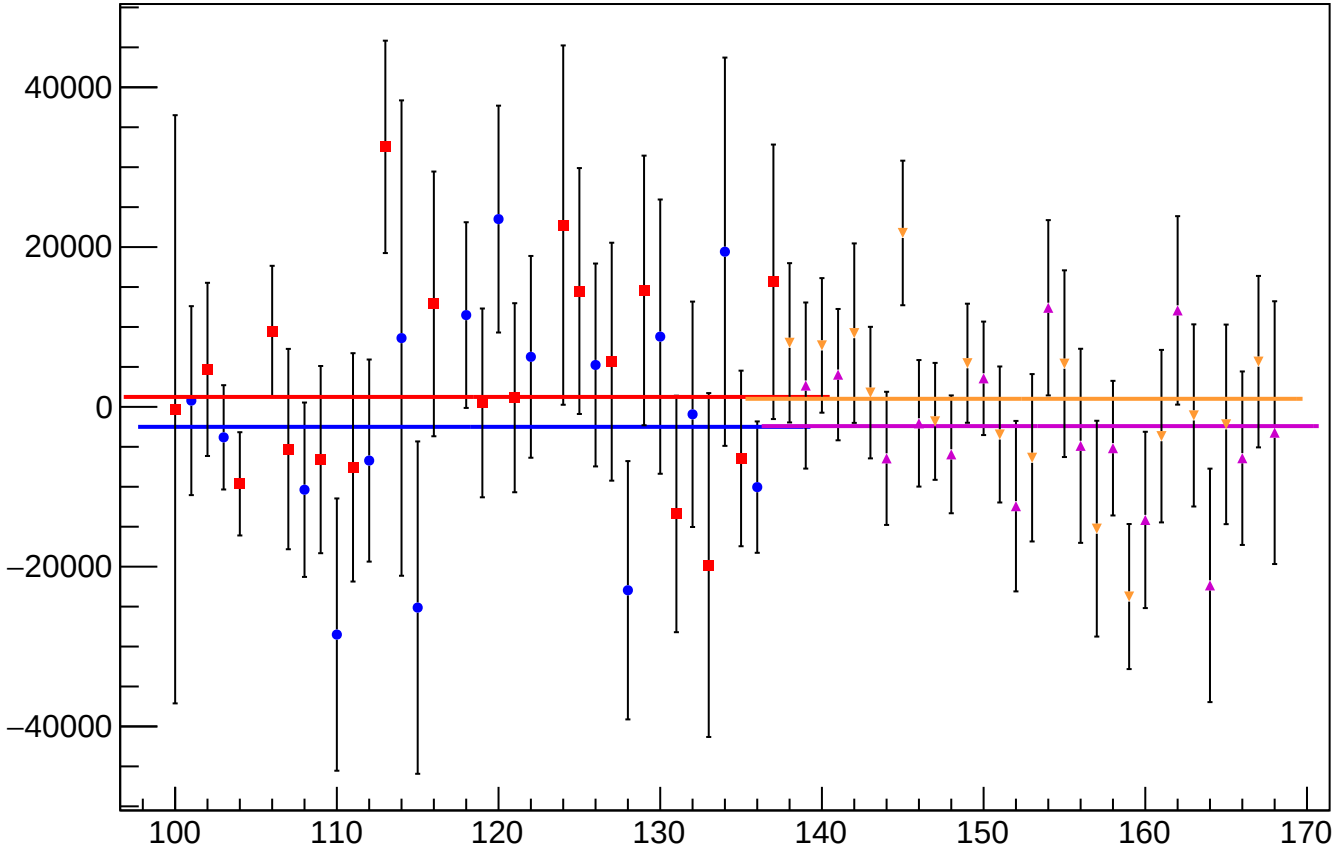
Left In: 2453.462+/-0.493 χ^2/NDF:55217.4/14

+ sign 2484.724+/-0.397 χ^2/NDF: 694531.2/31

All: 2468.220+/-0.280 χ^2/NDF: 1190083.4/65

- sign 2452.066+/-0.393 χ^2/NDF: 492140.5/33

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1009.429+/-2390.759 χ^2/NDF:17.7/15

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

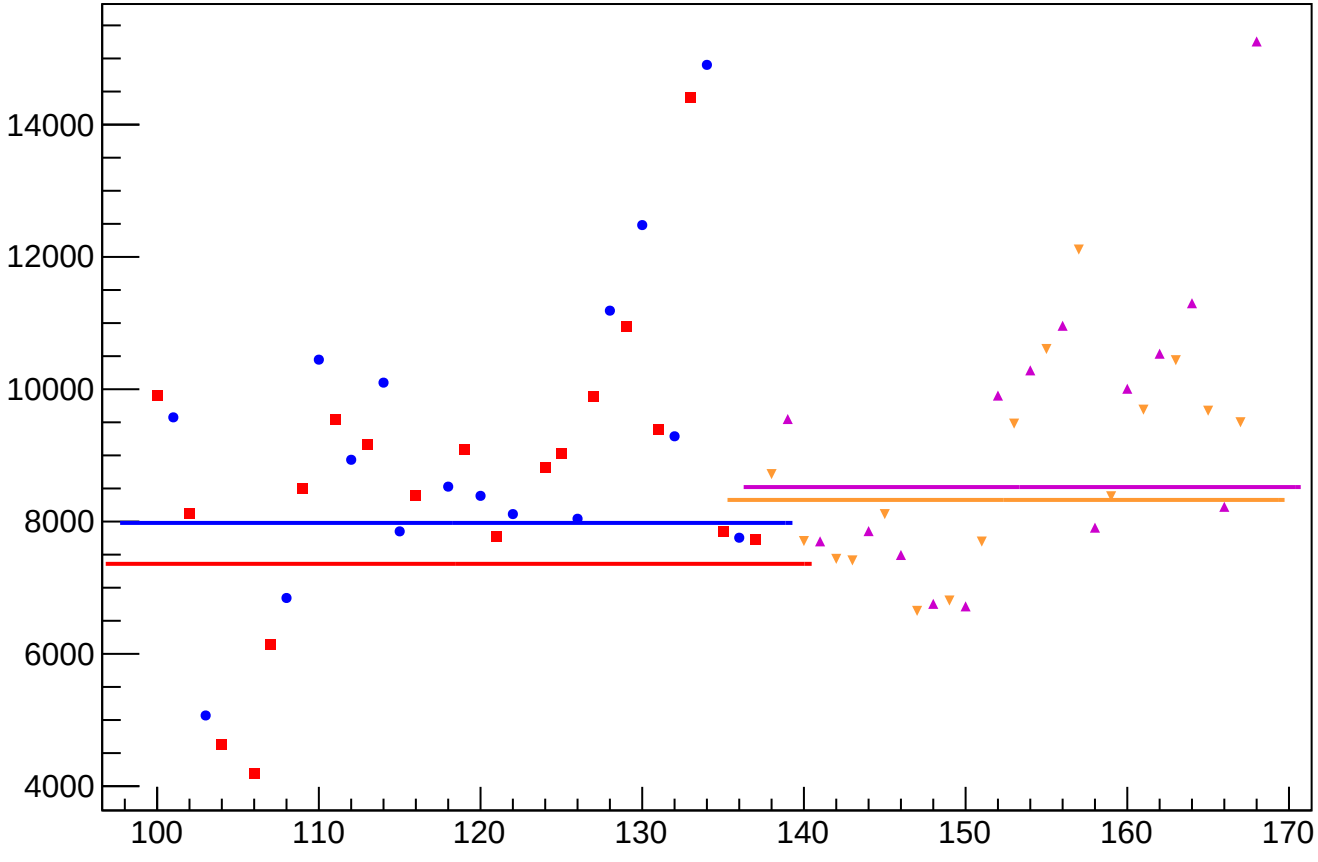
Left In: -2407.780+/-2478.122 χ^2/NDF:9.5/14

+ sign -312.646+/-1887.555 χ^2/NDF: 32.3/31

All: -577.208+/-1328.748 χ^2/NDF: 59.4/65

- sign -837.100+/-1870.823 χ^2/NDF: 27.0/33

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8326.932+/-1.691 χ^2/NDF:656995.2/15

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

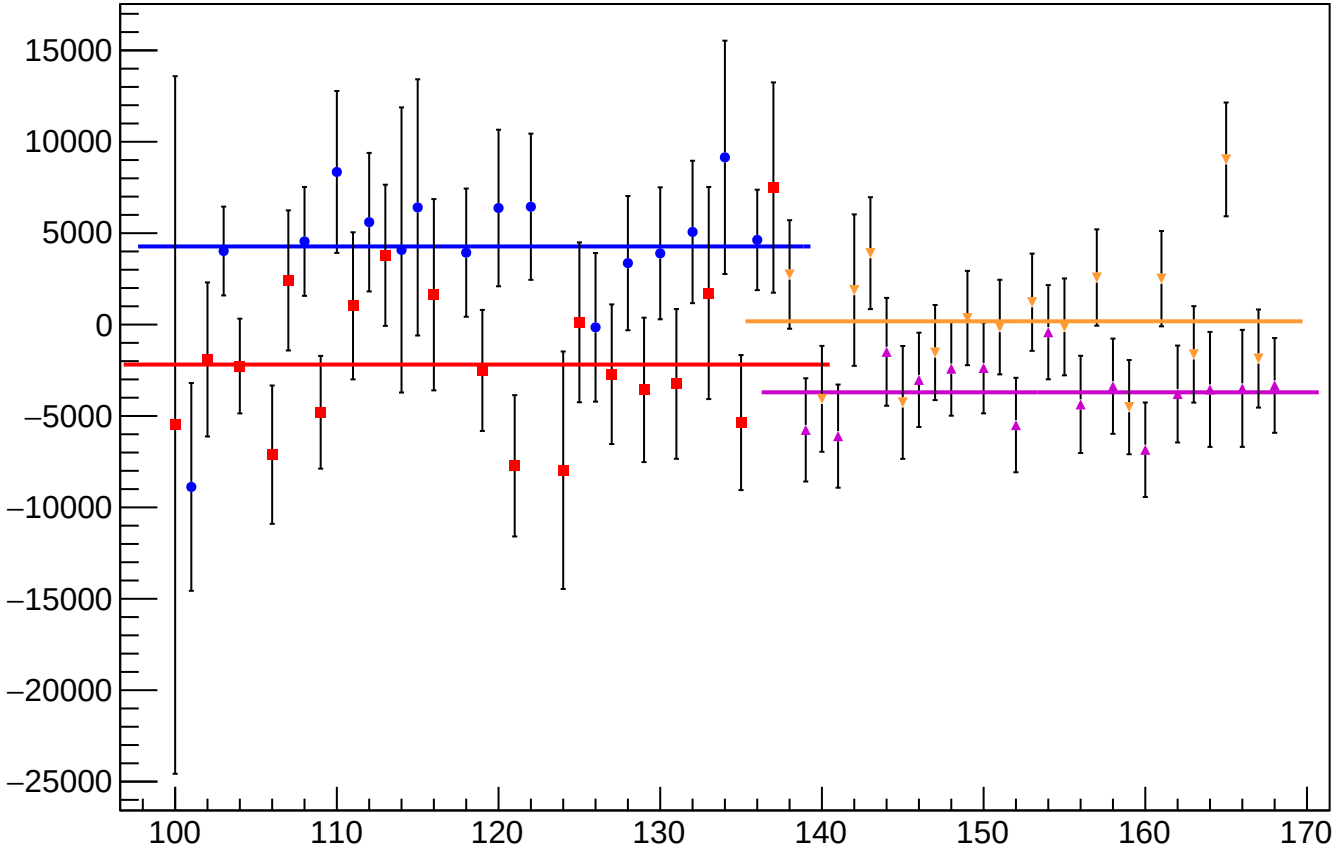
Left In: 8521.361+/-1.752 χ^2/NDF:1009967.8/14

+ sign 8196.065+/-1.335 χ^2/NDF: 1595989.2/31

All: 8108.364+/-0.940 χ^2/NDF: 4089195.8/65

- sign 8022.211+/-1.323 χ^2/NDF: 2484647.6/33

cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 179.650+/-696.498 χ^2/NDF:21.3/15

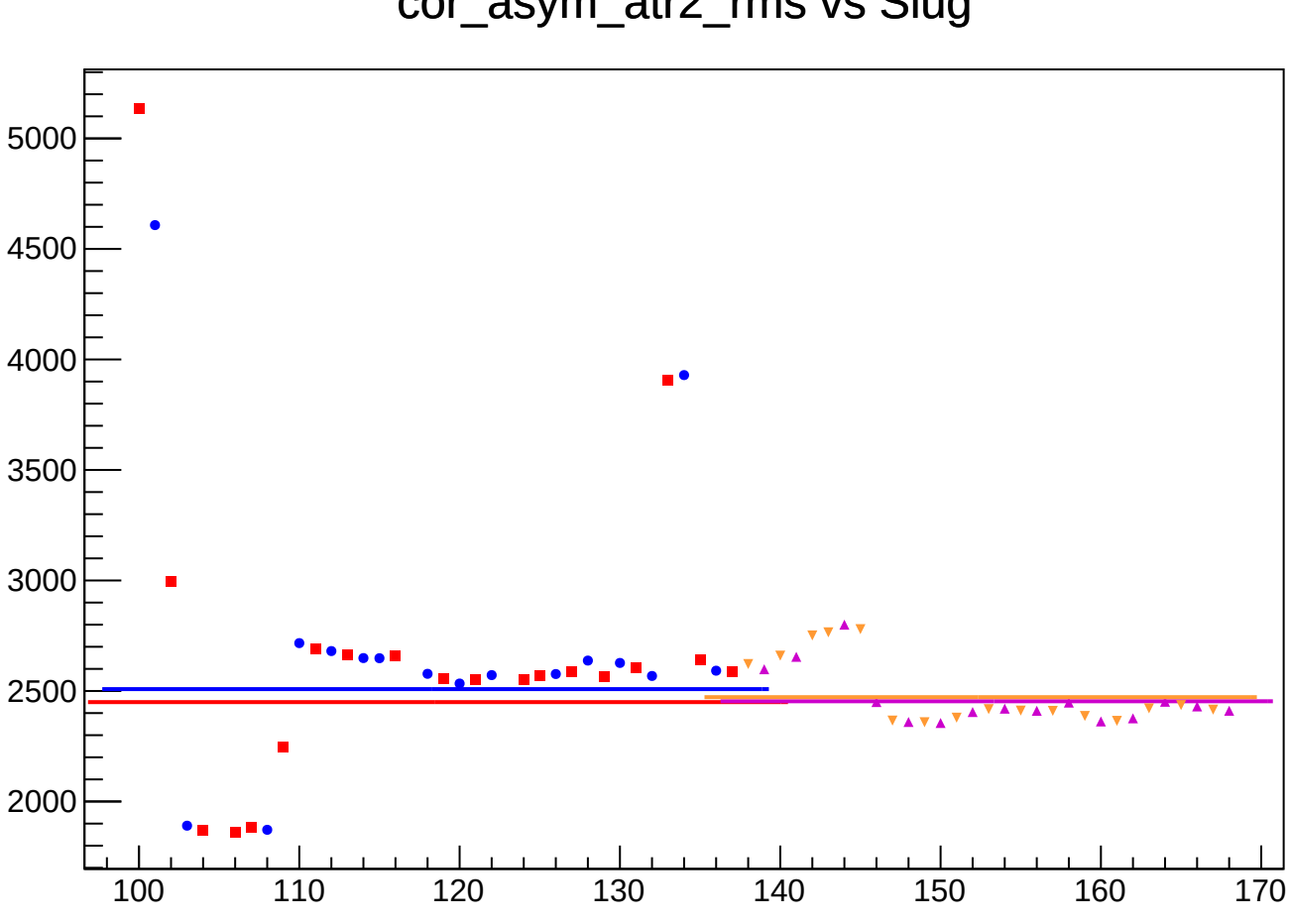
Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: -3704.517+/-697.173 χ^2/NDF:6.1/14

+ sign 1607.178+/-562.111 χ^2/NDF: 42.3/31

All: -798.189+/-395.336 χ^2/NDF: 101.2/65

- sign -3152.528+/-556.116 χ^2/NDF: 22.7/33



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2472.014+/-0.492 χ^2/NDF:81031.5/15

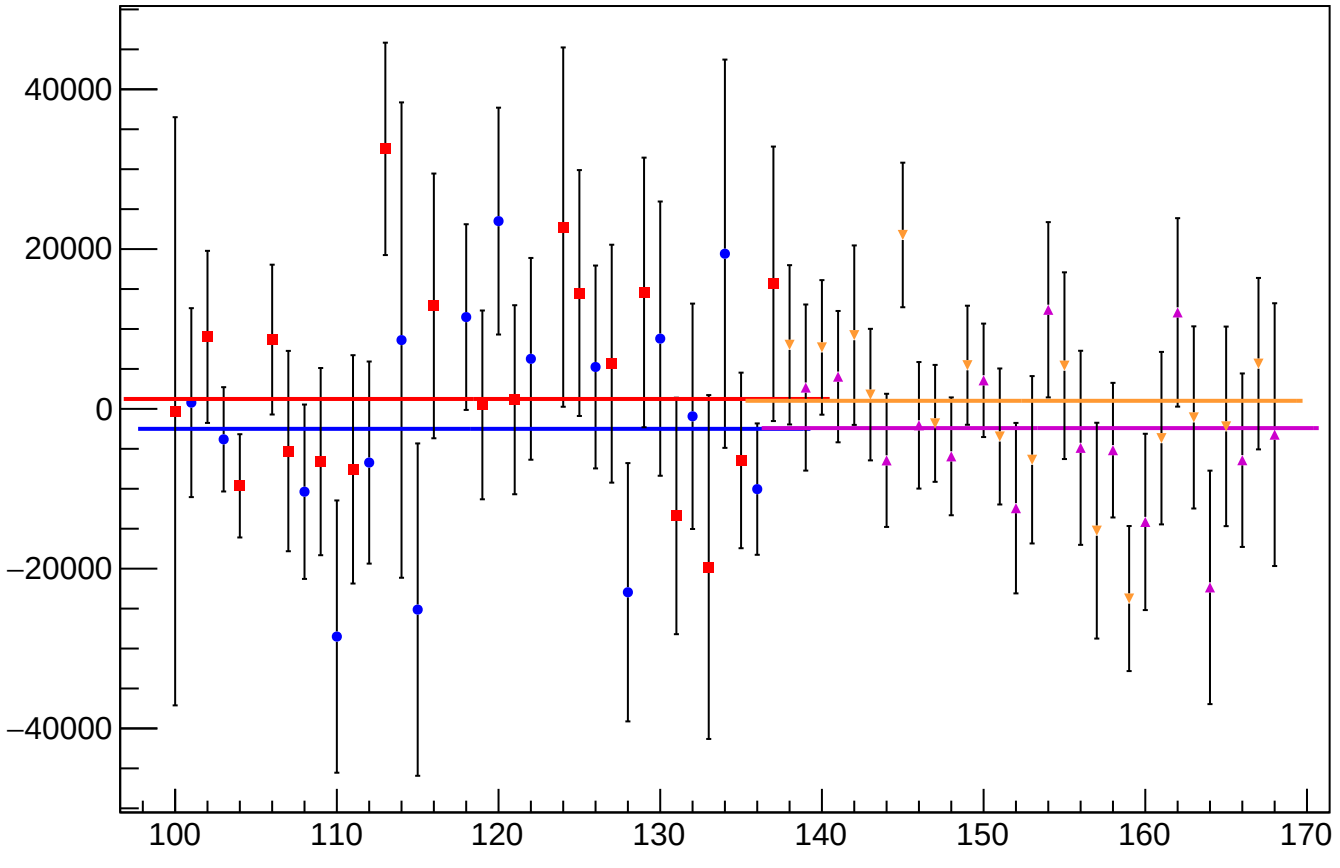
Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2453.462+/-0.493 χ^2/NDF:55217.4/14

+ sign 2484.724+/-0.397 χ^2/NDF: 694529.1/31

All: 2468.224+/-0.280 χ^2/NDF: 1190024.9/65

- sign 2452.075+/-0.393 χ^2/NDF: 492085.8/33



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1009.411+/-2390.755 χ^2/NDF:17.7/15

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

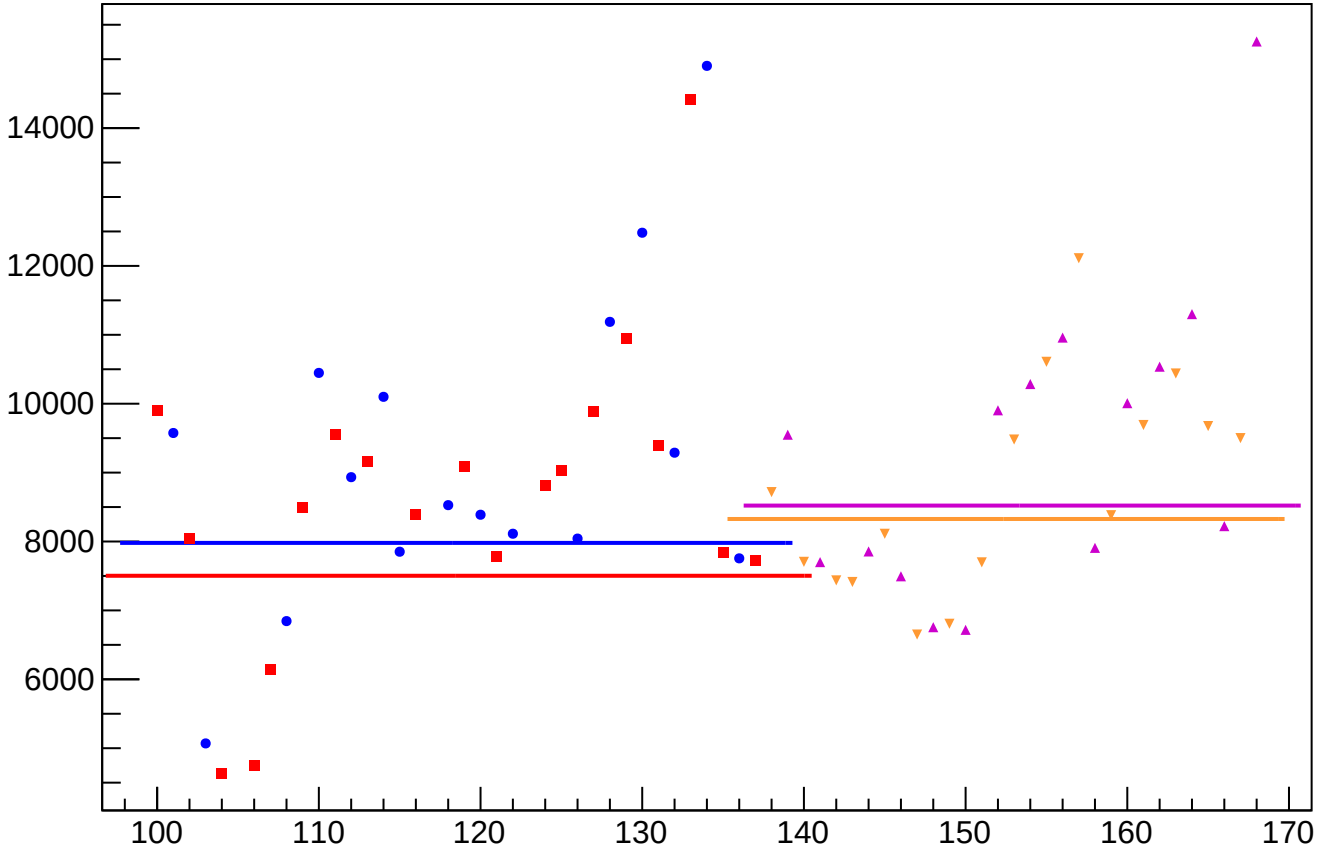
Left In: -2407.891+/-2478.121 χ^2/NDF:9.5/14

+ sign -312.523+/-1887.573 χ^2/NDF: 32.3/31

All: -589.241+/-1332.801 χ^2/NDF: 59.4/65

- sign -864.377+/-1882.170 χ^2/NDF: 27.1/33

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8326.917+/-1.691 χ^2/NDF:657000.8/15

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

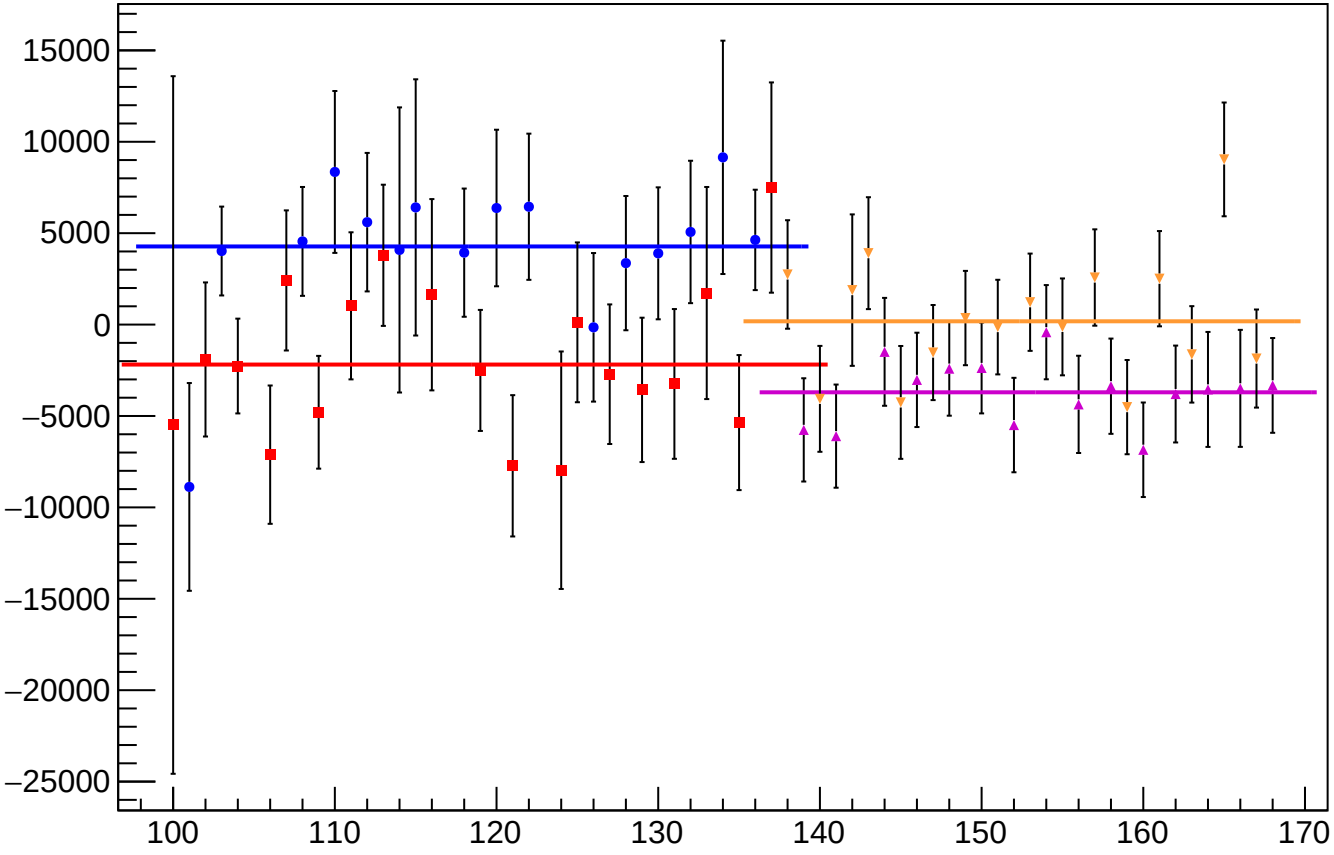
Left In: 8521.359+/-1.752 χ^2/NDF:1009969.7/14

+ sign 8196.183+/-1.335 χ^2/NDF: 1595664.8/31

All: 8143.100+/-0.942 χ^2/NDF: 3887312.6/65

- sign 8090.320+/-1.331 χ^2/NDF: 2288493.4/33

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 179.650+/-696.498 χ^2/NDF:21.3/15

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

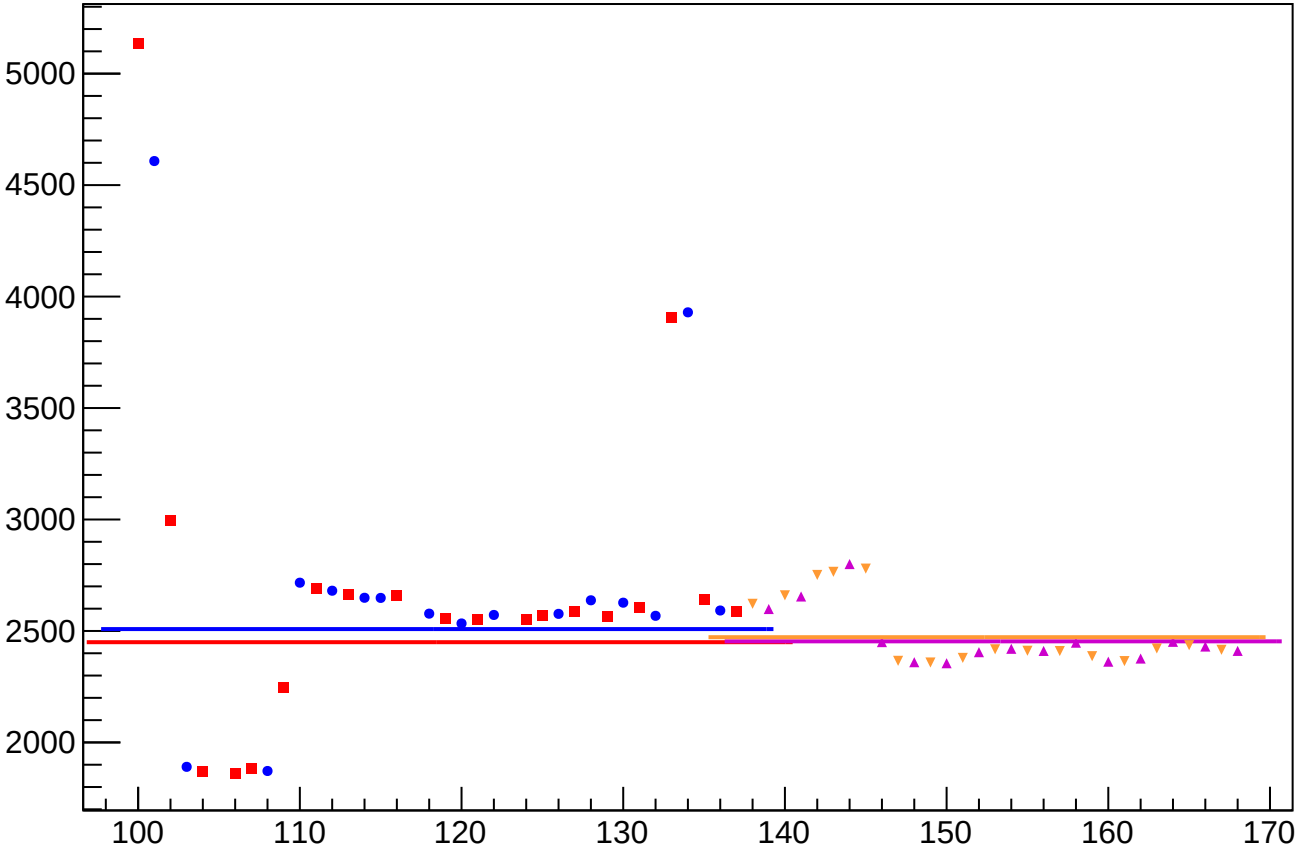
Left In: -3704.517+/-697.173 χ^2/NDF:6.1/14

+ sign 1607.178+/-562.111 χ^2/NDF: 42.3/31

All: -798.189+/-395.336 χ^2/NDF: 101.2/65

- sign -3152.528+/-556.116 χ^2/NDF: 22.7/33

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2472.014+/-0.492 χ^2/NDF:81031.5/15

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

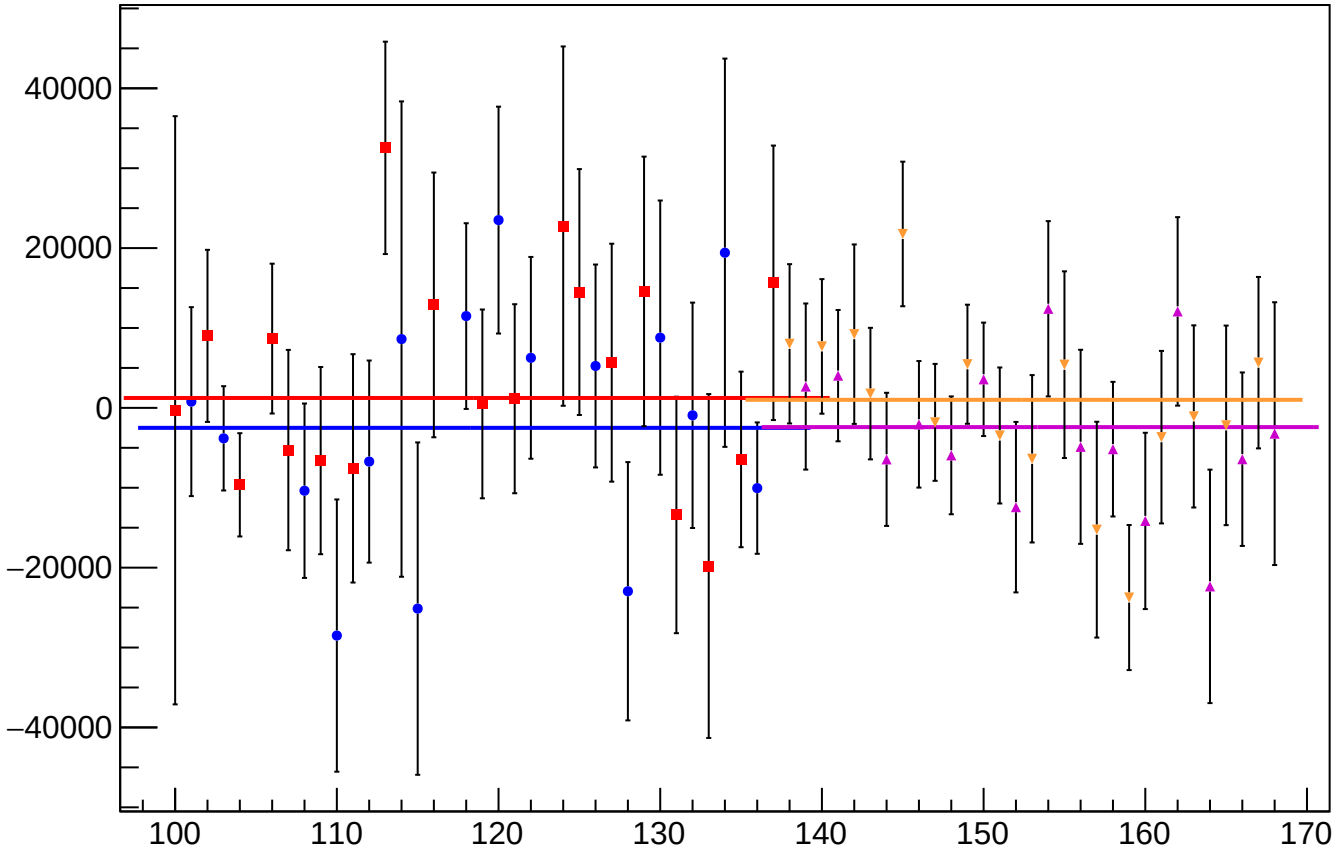
Left In: 2453.462+/-0.493 χ^2/NDF:55217.4/14

+ sign 2484.724+/-0.397 χ^2/NDF: 694529.1/31

All: 2468.224+/-0.280 χ^2/NDF: 1190024.9/65

- sign 2452.075+/-0.393 χ^2/NDF: 492085.8/33

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1009.411+/-2390.755 χ^2/NDF:17.7/15

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

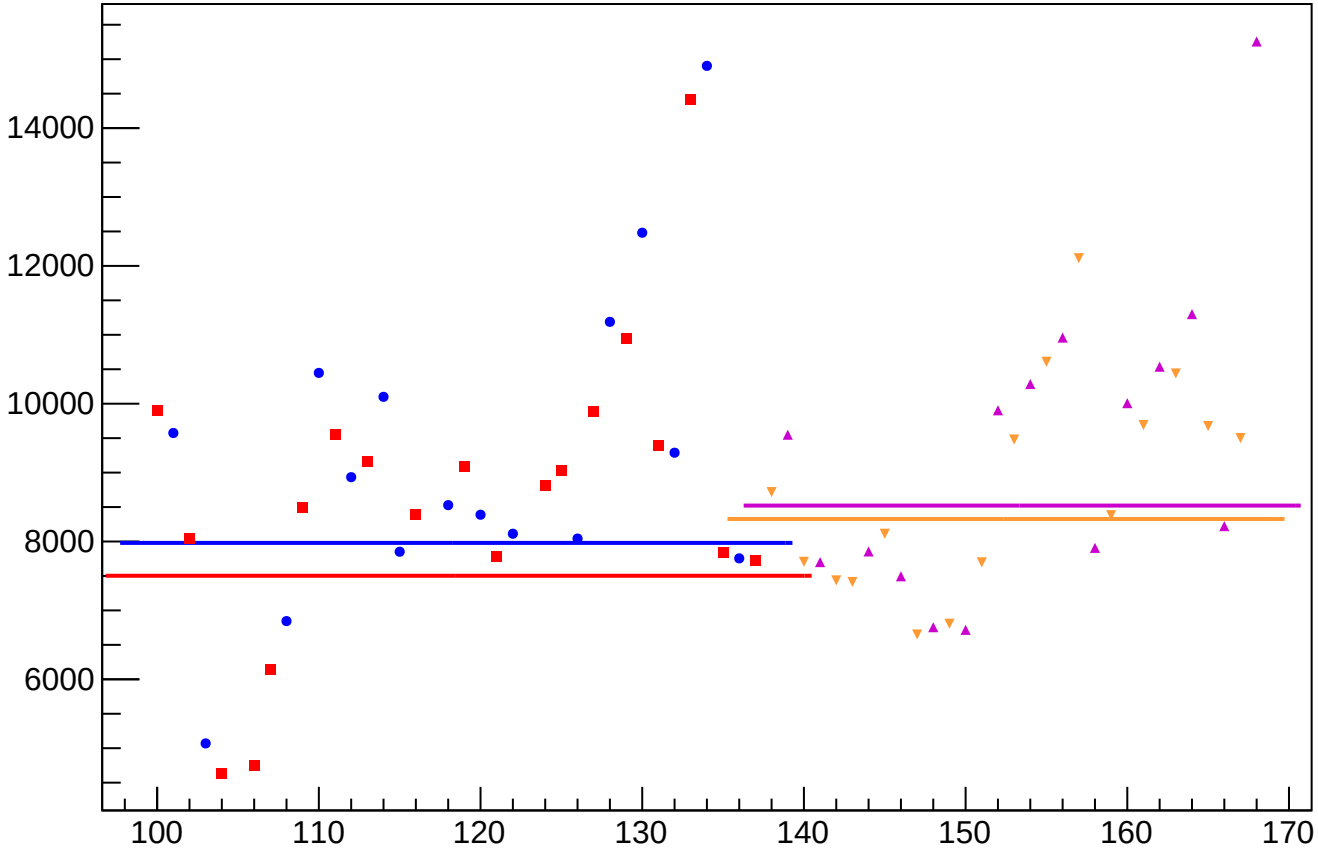
Left In: -2407.891+/-2478.121 χ^2/NDF:9.5/14

+ sign -312.523+/-1887.573 χ^2/NDF: 32.3/31

All: -589.241+/-1332.801 χ^2/NDF: 59.4/65

- sign -864.377+/-1882.170 χ^2/NDF: 27.1/33

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8326.917+/-1.691 χ^2/NDF:657000.8/15

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

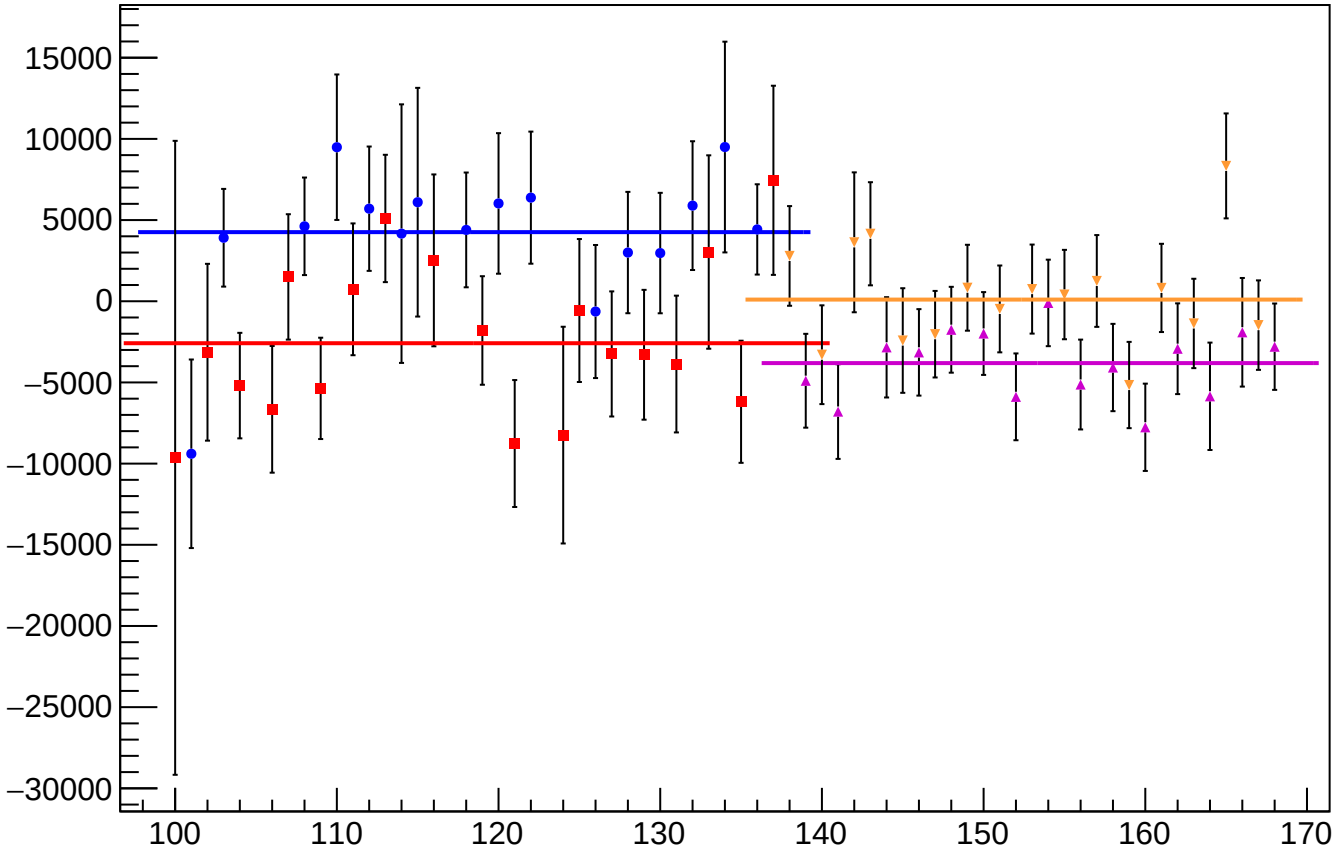
Left In: 8521.359+/-1.752 χ^2/NDF:1009969.7/14

+ sign 8196.183+/-1.335 χ^2/NDF: 1595664.8/31

All: 8143.100+/-0.942 χ^2/NDF: 3887312.6/65

- sign 8090.320+/-1.331 χ^2/NDF: 2288493.4/33

dit_asym_atr2_mean vs Slug



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 102.687+/-722.863 χ^2/NDF:17.0/15

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

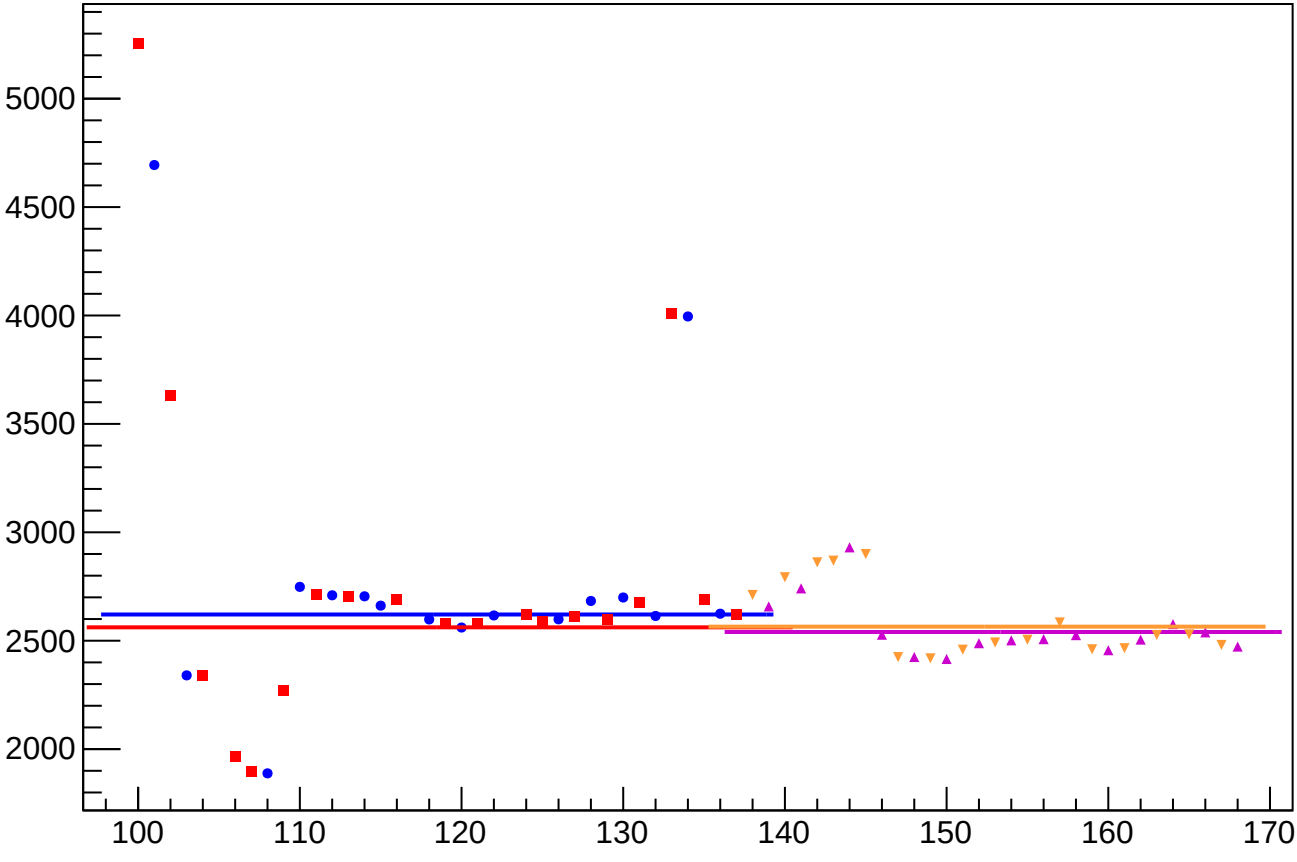
Left In: -3809.242+/-721.946 χ^2/NDF:8.4/14

+ sign 1546.285+/-583.912 χ^2/NDF: 38.5/31

All: -935.809+/-410.890 χ^2/NDF: 101.4/65

- sign -3370.422+/-578.300 χ^2/NDF: 27.0/33

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2564.832+/-0.511 χ^2/NDF:90790.9/15

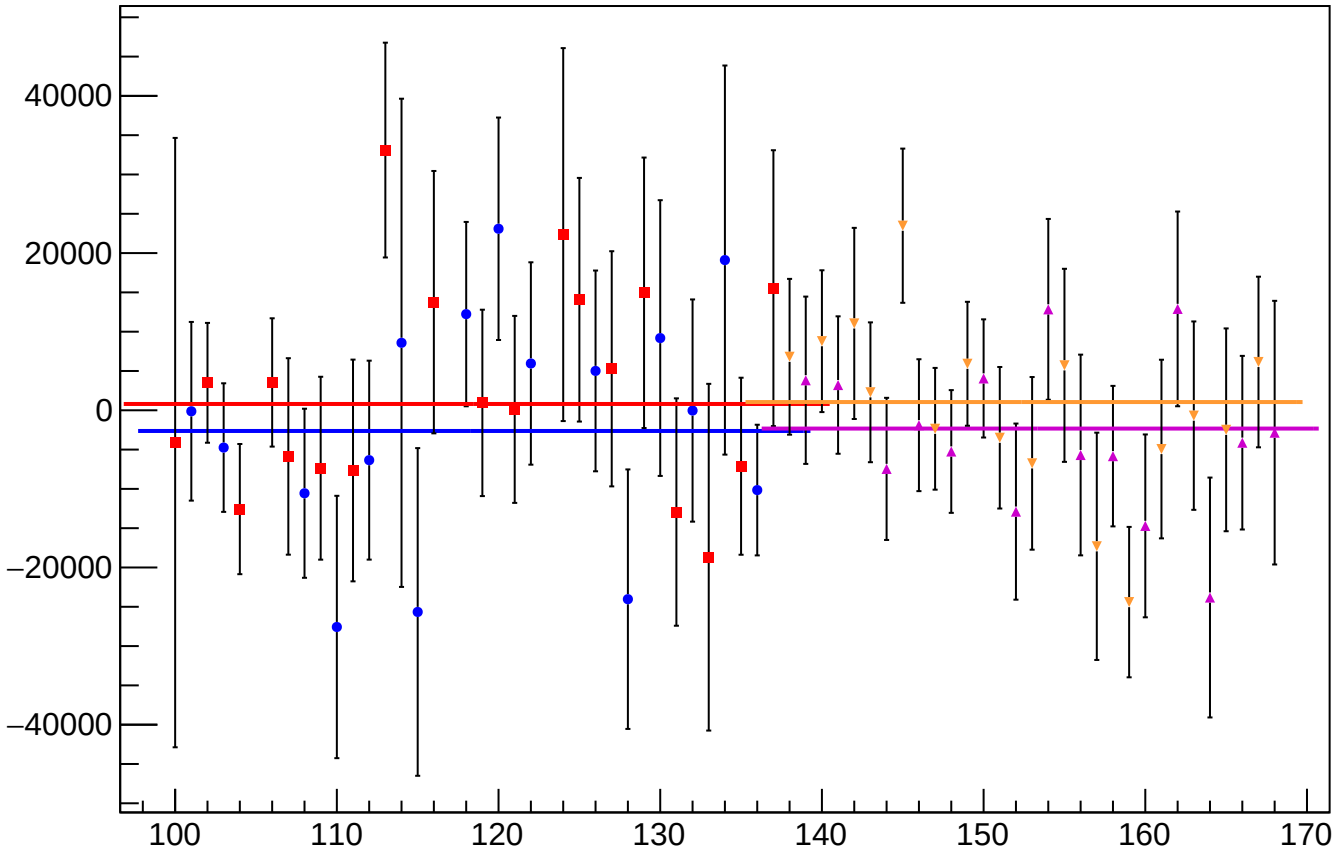
Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2540.206+/-0.510 χ^2/NDF:58726.6/14

+ sign 2584.337+/-0.413 χ^2/NDF: 580895.7/31

All: 2565.949+/-0.291 χ^2/NDF: 1022446.7/65

- sign 2547.921+/-0.409 χ^2/NDF: 437622.9/33



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 1048.648+/-2522.265 χ^2/NDF:17.8/15

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

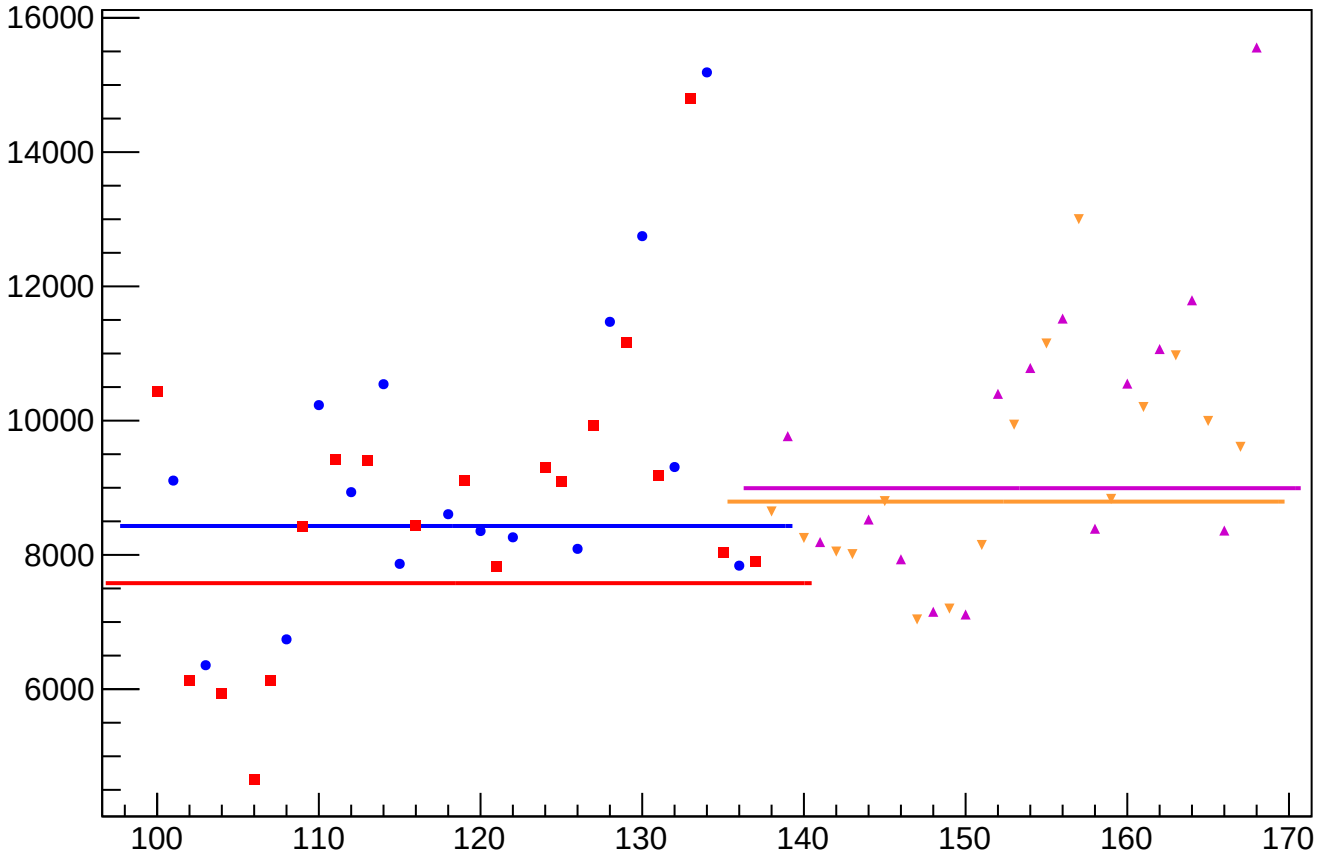
Left In: -2326.576+/-2611.989 χ^2/NDF:9.4/14

+ sign -355.508+/-1983.622 χ^2/NDF: 32.4/31

All: -640.174+/-1384.255 χ^2/NDF: 57.9/65

- sign -910.396+/-1932.638 χ^2/NDF: 25.5/33

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8793.899+/-1.784 χ^2/NDF:615589.7/15

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

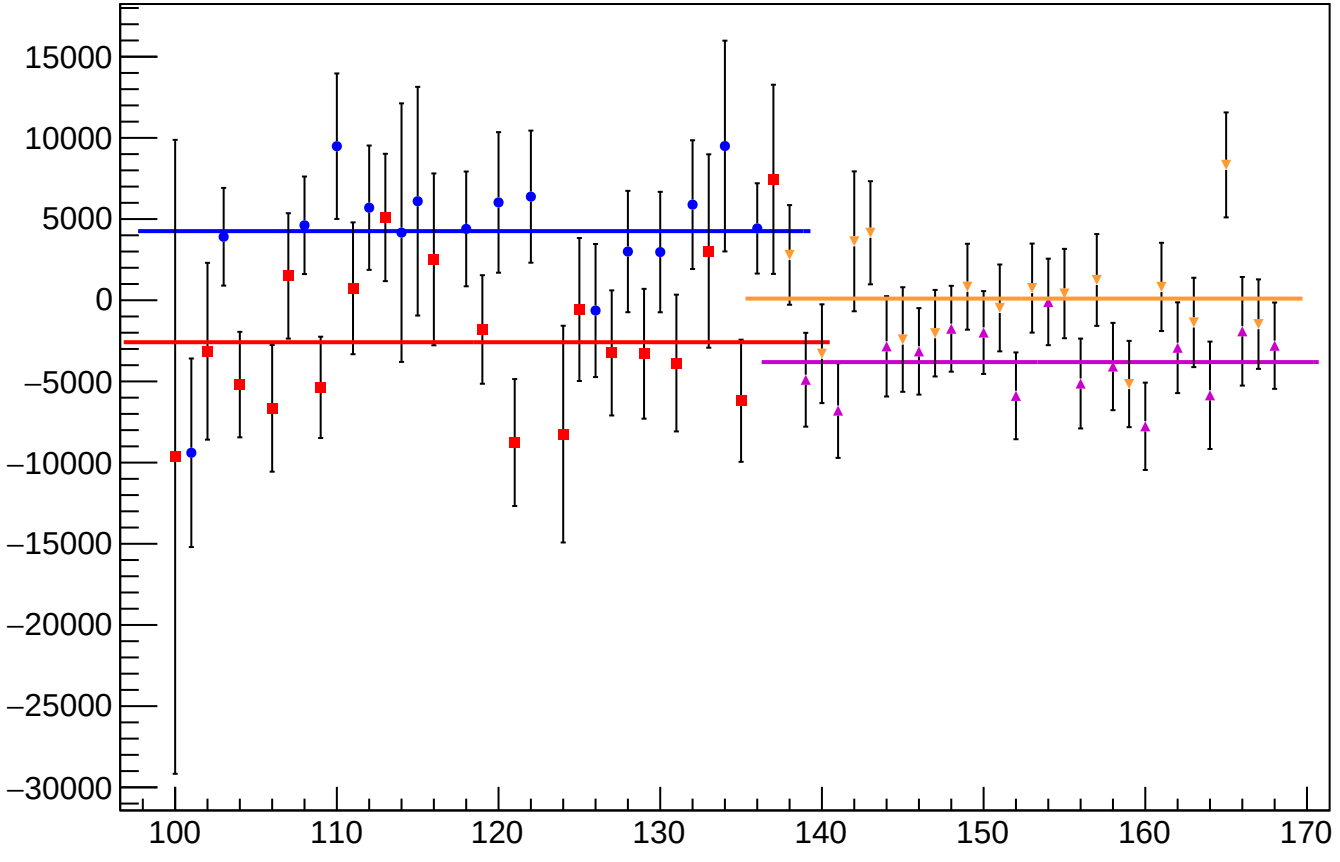
Left In: 8993.912+/-1.847 χ^2/NDF:940641.7/14

+ sign 8655.363+/-1.403 χ^2/NDF: 1211699.9/31

All: 8500.589+/-0.979 χ^2/NDF: 3415741.0/65

- sign 8353.669+/-1.367 χ^2/NDF: 2180306.9/33

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 102.668+/-722.864 χ^2/NDF:17.0/15

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

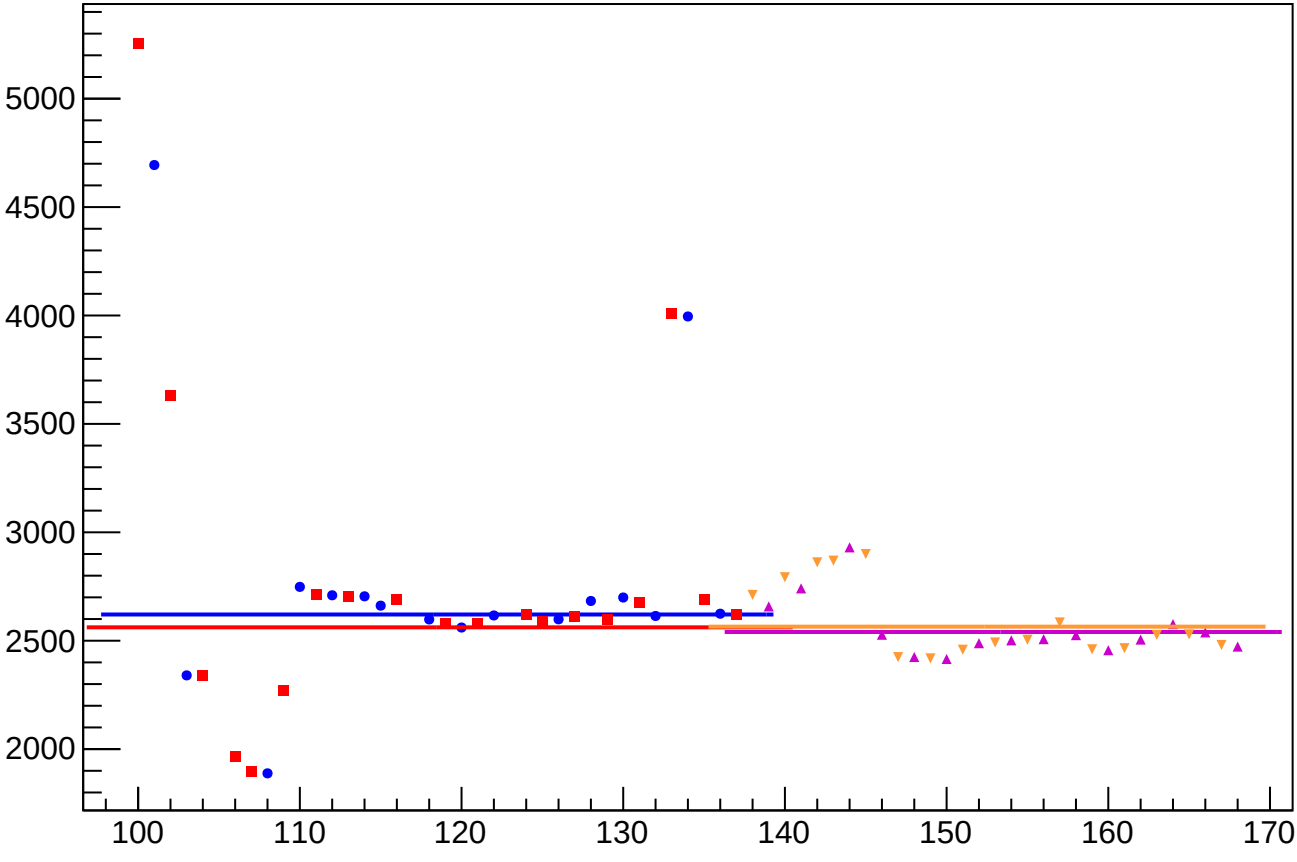
Left In: -3809.247+/-721.947 χ^2/NDF:8.4/14

+ sign 1546.278+/-583.913 χ^2/NDF: 38.5/31

All: -935.815+/-410.890 χ^2/NDF: 101.4/65

- sign -3370.428+/-578.301 χ^2/NDF: 27.0/33

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2564.834+/-0.511 χ^2/NDF:90790.7/15

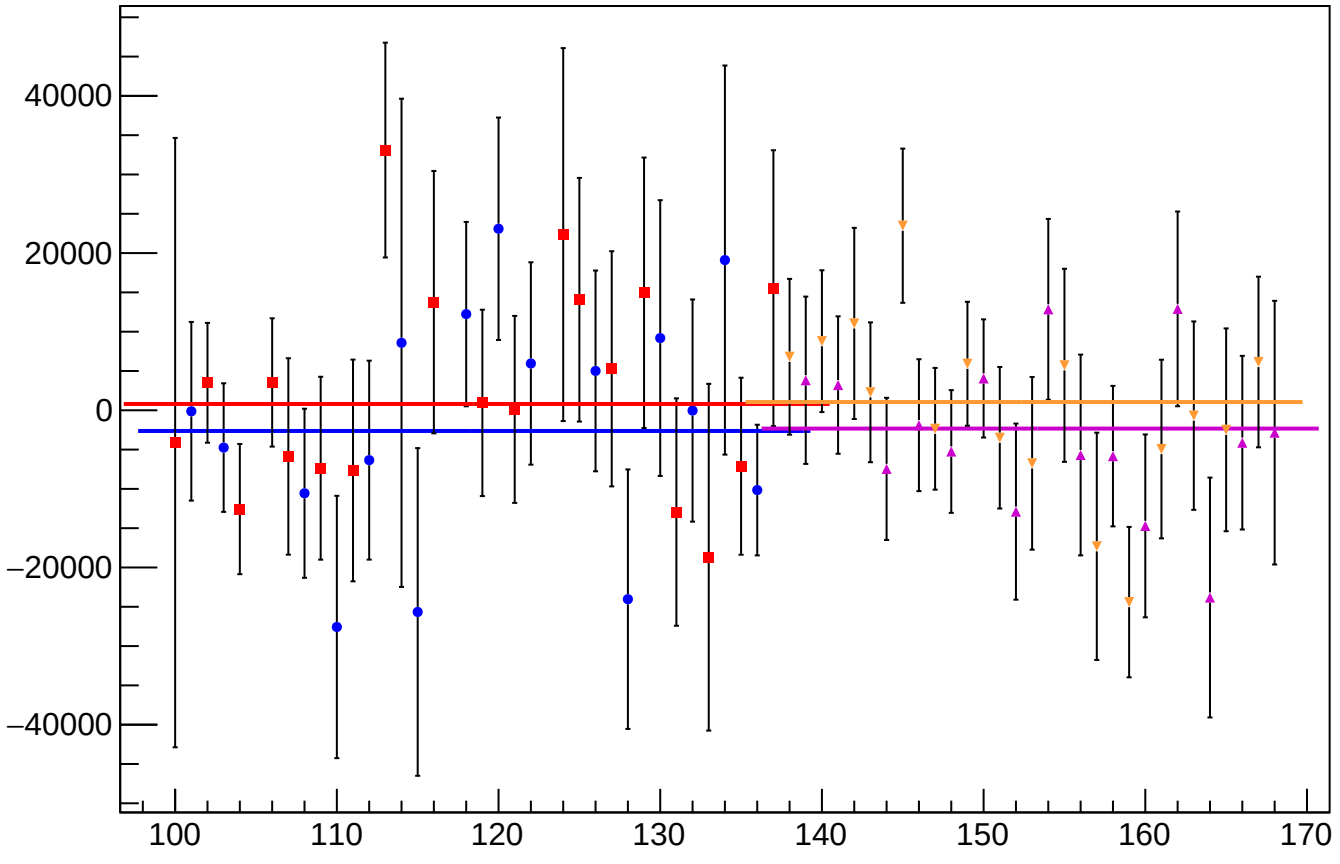
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2540.208+/-0.510 χ^2/NDF:58726.2/14

+ sign 2584.339+/-0.413 χ^2/NDF: 580895.2/31

All: 2565.951+/-0.291 χ^2/NDF: 1022445.0/65

- sign 2547.922+/-0.409 χ^2/NDF: 437621.8/33



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1048.640+/-2522.270 χ^2/NDF:17.8/15

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

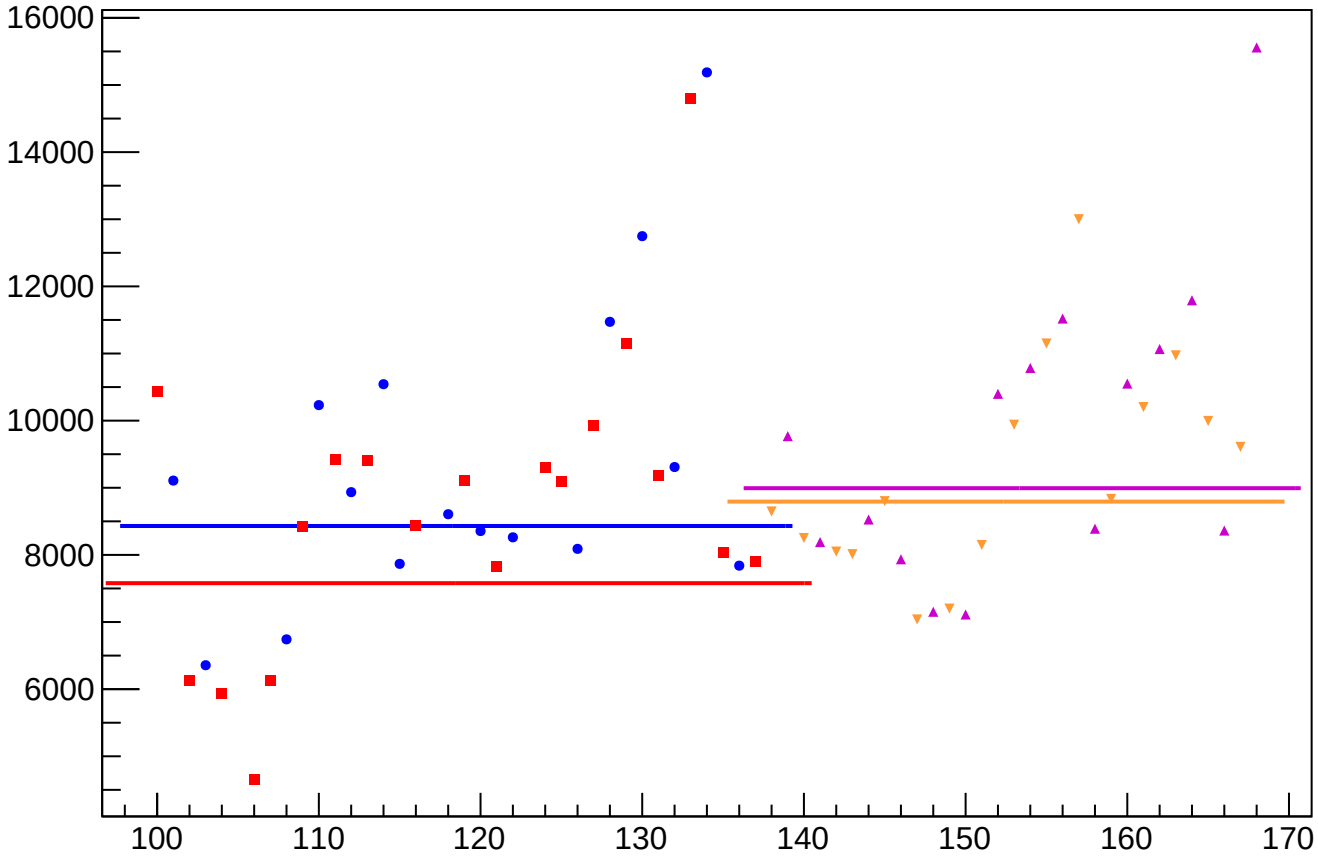
Left In: -2326.573+/-2611.994 χ^2/NDF:9.4/14

+ sign -355.505+/-1983.623 χ^2/NDF: 32.4/31

All: -640.170+/-1384.256 χ^2/NDF: 57.9/65

- sign -910.391+/-1932.639 χ^2/NDF: 25.5/33

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8793.913+/-1.784 χ^2/NDF:615590.8/15

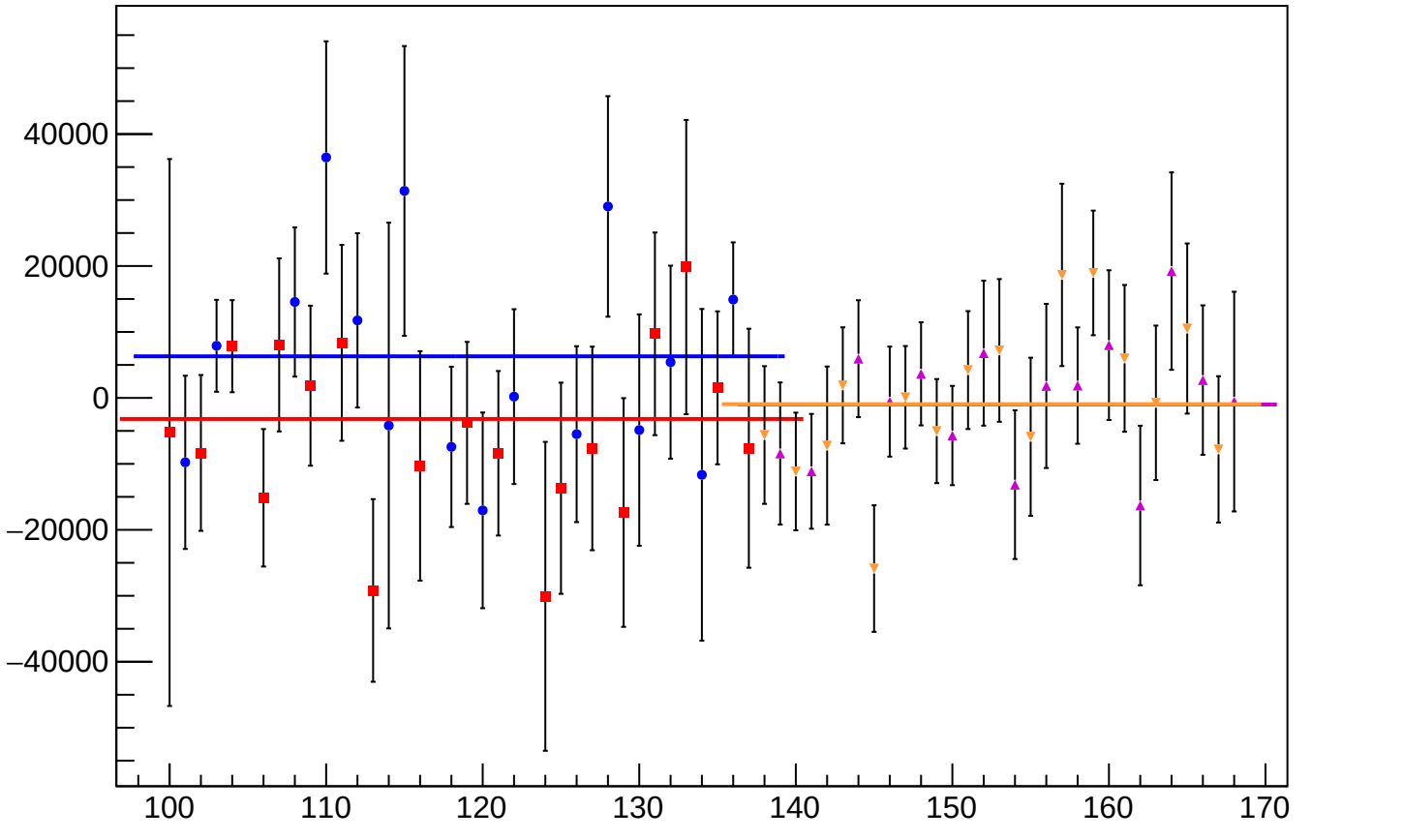
Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8993.927+/-1.847 χ^2/NDF:940642.1/14

+ sign 8655.367+/-1.403 χ^2/NDF: 1211697.5/31

All: 8500.591+/-0.979 χ^2/NDF: 3415745.8/65

- sign 8353.670+/-1.367 χ^2/NDF: 2180313.5/33



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -953.472+/-2507.151 χ^2/NDF:18.0/15

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

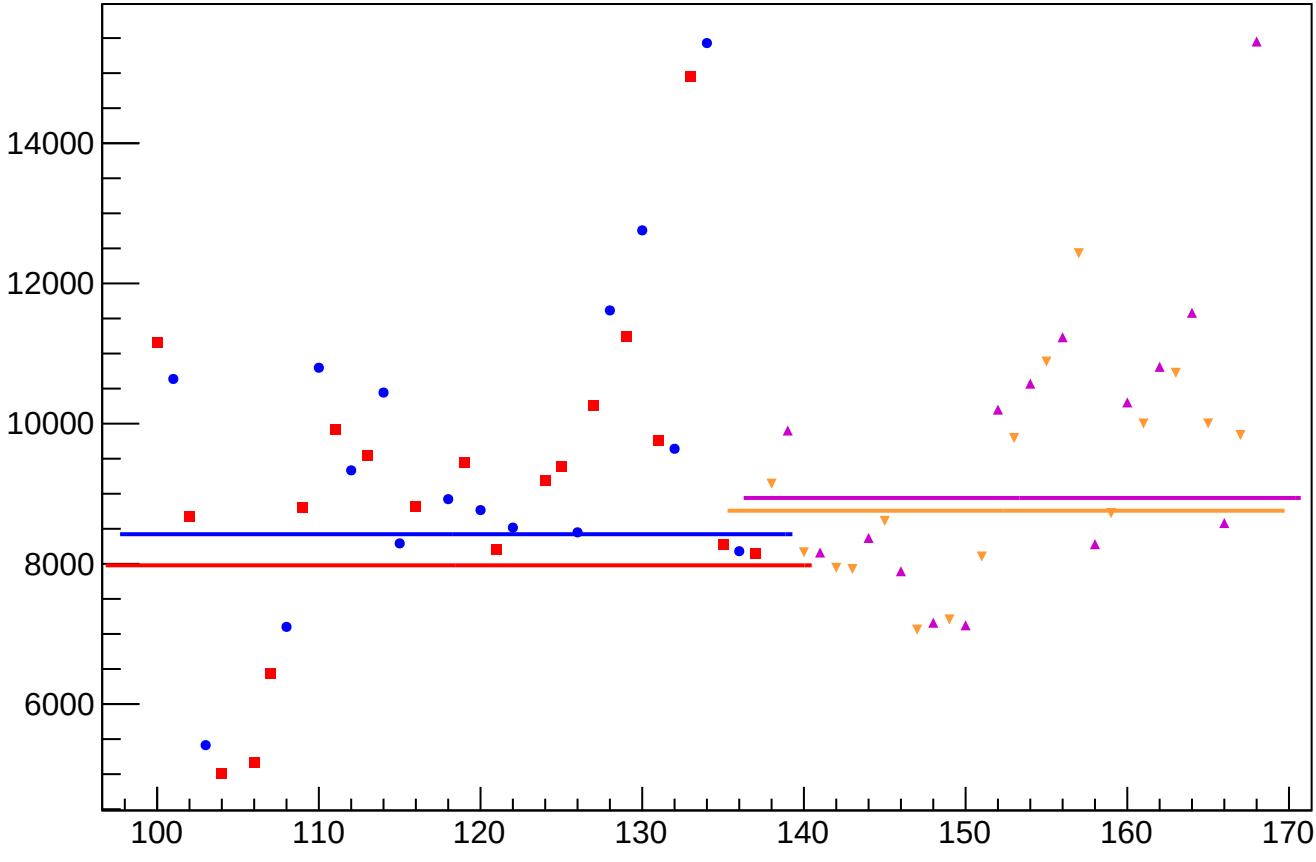
Left In: -998.145+/-2591.820 χ^2/NDF:9.2/14

+ sign 1766.082+/-1982.762 χ^2/NDF: 36.3/31

All: -74.697+/-1401.069 χ^2/NDF: 61.3/65

- sign -1910.468+/-1980.063 χ^2/NDF: 23.4/33

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8757.898+/-1.773 χ^2/NDF:563994.5/15

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

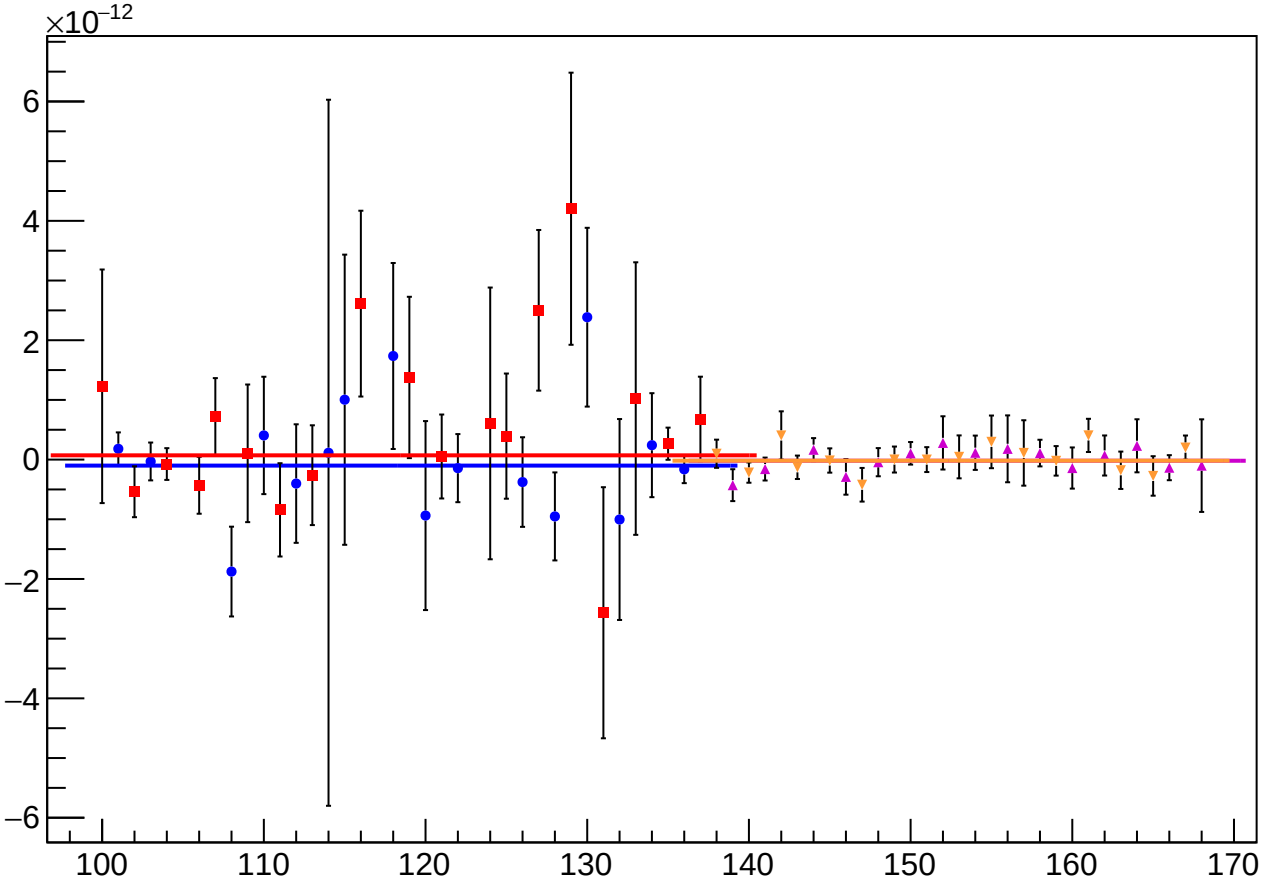
Left In: 8939.985+/-1.833 χ^2/NDF:885730.1/14

+ sign 8632.350+/-1.402 χ^2/NDF: 1459217.7/31

All: 8586.043+/-0.991 χ^2/NDF: 3477625.7/65

- sign 8539.863+/-1.400 χ^2/NDF: 2016229.1/33

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:10.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

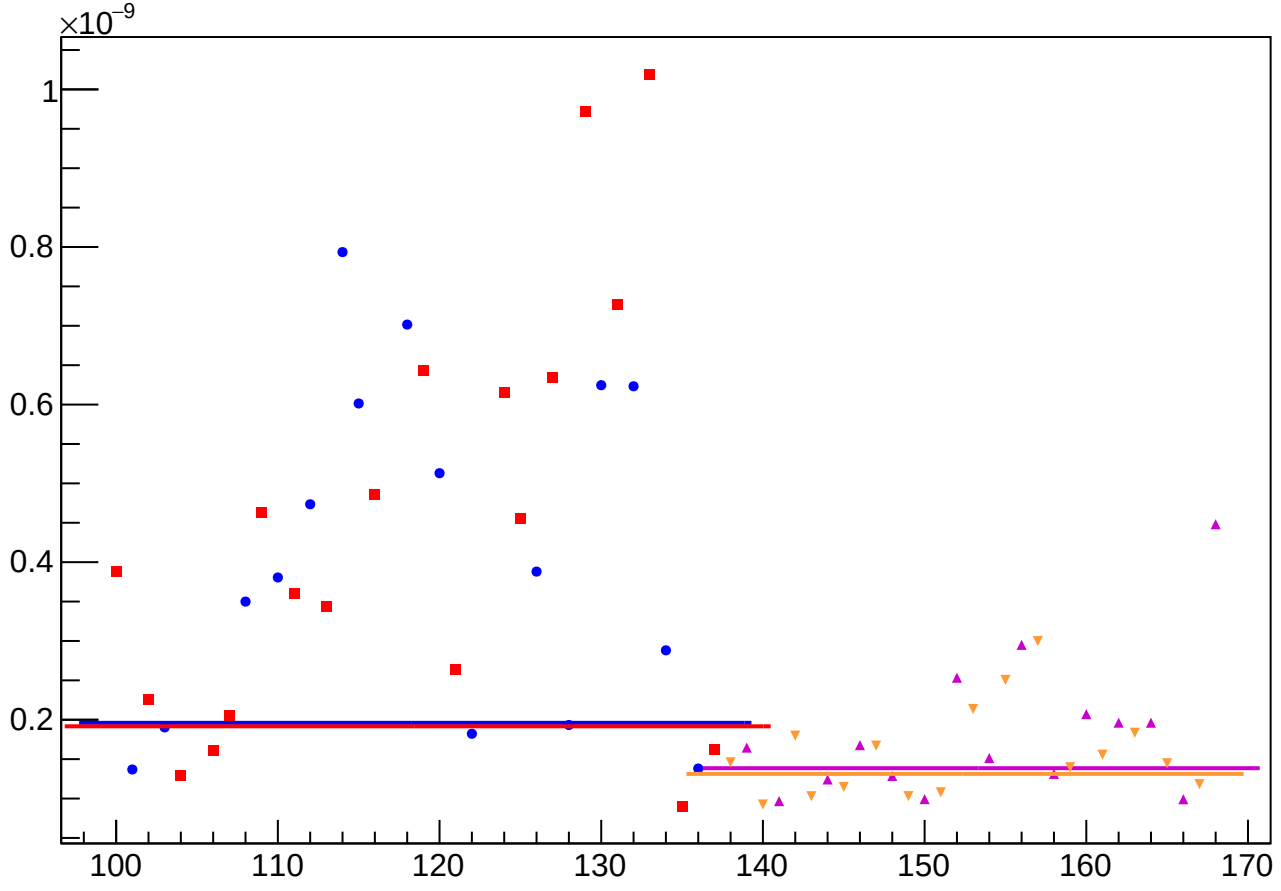
Left In: -0.000+/-0.000 χ^2/NDF:7.0/14

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/31

All: -0.000+/-0.000 χ^2/NDF: 51.1/65

- sign -0.000+/-0.000 χ^2/NDF: 26.9/33

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:812866.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

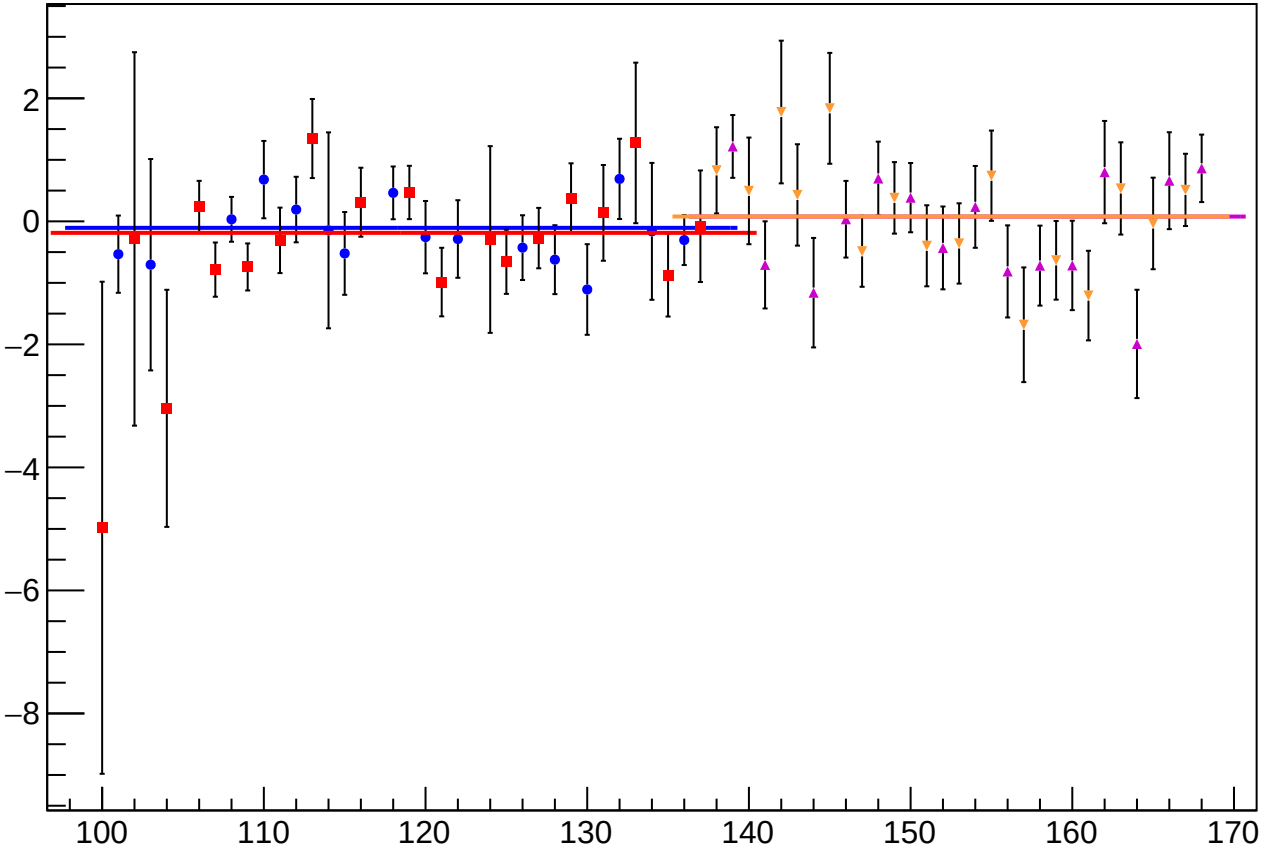
Left In: 0.000+/-0.000 χ^2/NDF:1090108.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 2537462.4/31

All: 0.000+/-0.000 χ^2/NDF: 5938665.7/65

- sign 0.000+/-0.000 χ^2/NDF: 3390739.0/33

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.079+/-0.179 χ^2/NDF:19.4/15

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

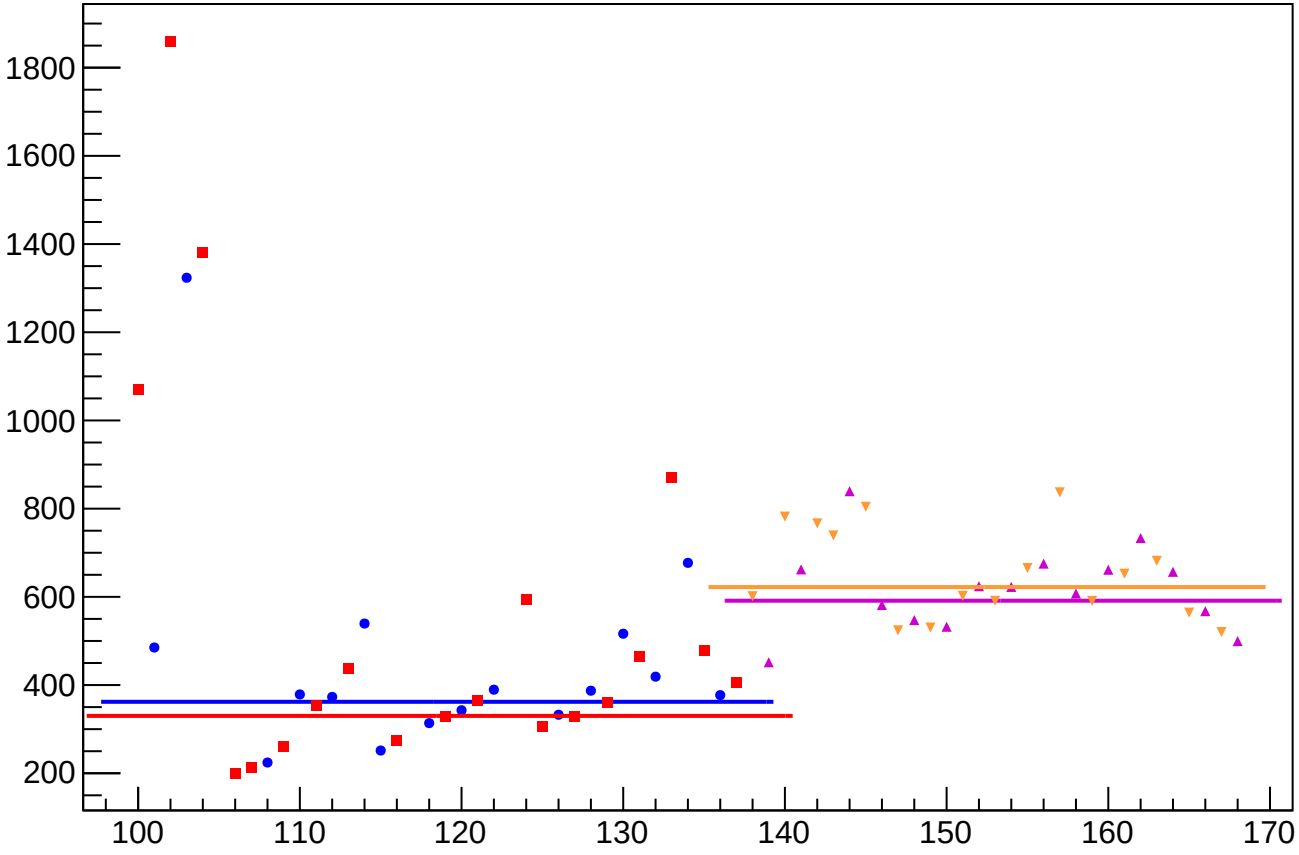
Left In: 0.078+/-0.172 χ^2/NDF:23.1/14

+ sign -0.033+/-0.112 χ^2/NDF: 29.7/31

All: -0.059+/-0.078 χ^2/NDF: 78.3/65

- sign -0.084+/-0.107 χ^2/NDF: 48.4/33

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 622.206+/-0.126 χ^2/NDF:543245.9/15

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

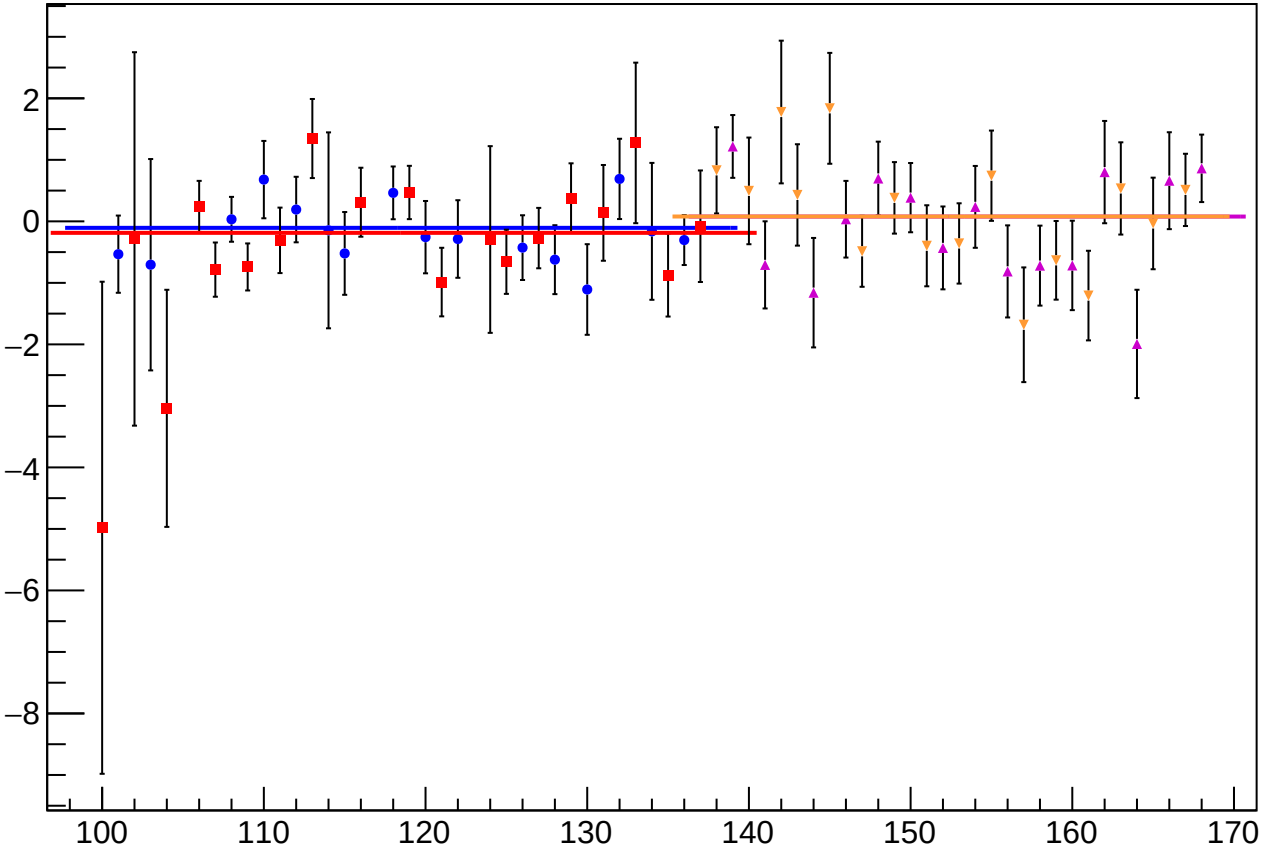
Left In: 591.250+/-0.122 χ^2/NDF:539987.3/14

+ sign 464.923+/-0.080 χ^2/NDF: 4477964.9/31

All: 447.596+/-0.055 χ^2/NDF: 10169239.7/65

- sign 431.812+/-0.076 χ^2/NDF: 5600603.3/33

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.079+/-0.179 χ^2/NDF:19.4/15

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

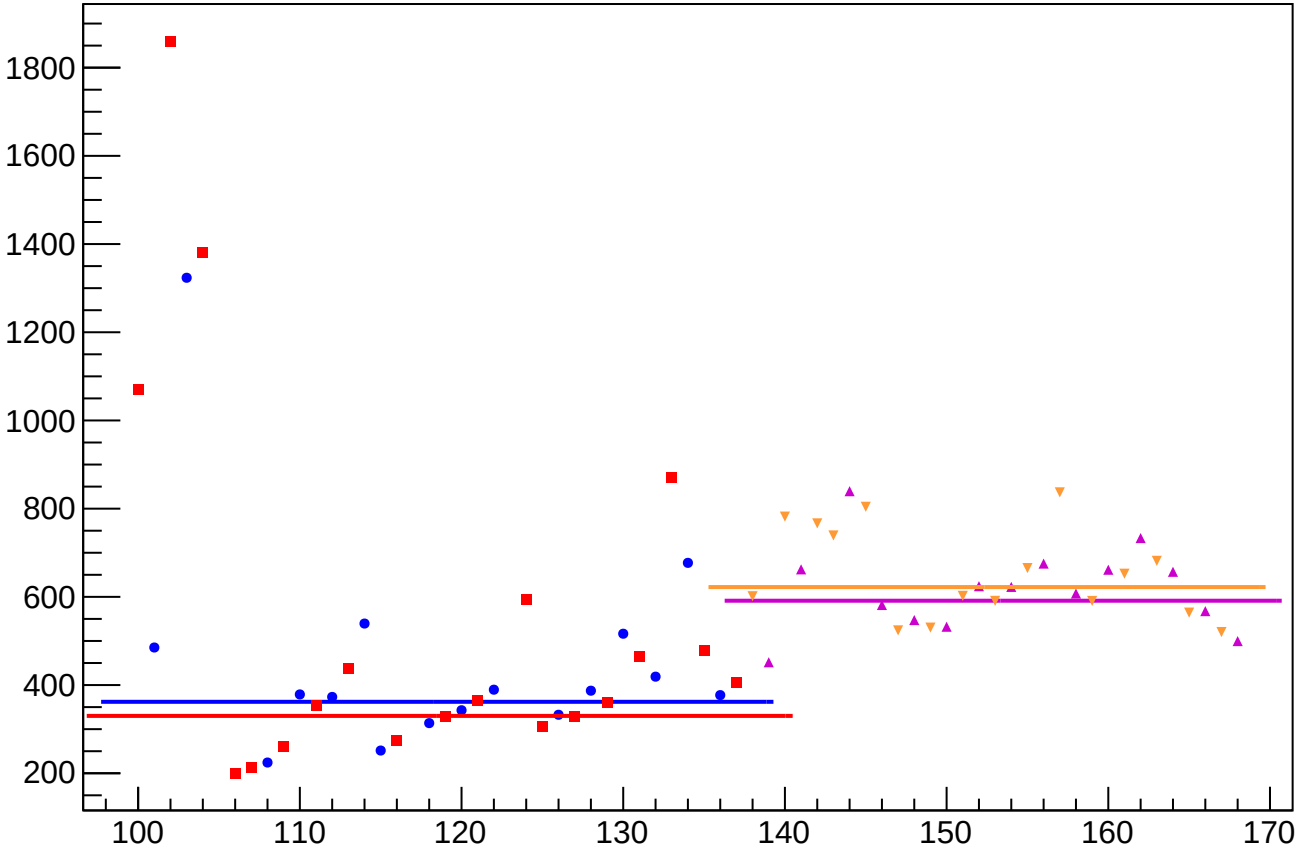
Left In: 0.078+/-0.172 χ^2/NDF:23.1/14

+ sign -0.033+/-0.112 χ^2/NDF: 29.7/31

All: -0.059+/-0.078 χ^2/NDF: 78.3/65

- sign -0.084+/-0.107 χ^2/NDF: 48.4/33

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 622.206+/-0.126 χ^2/NDF:543245.9/15

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

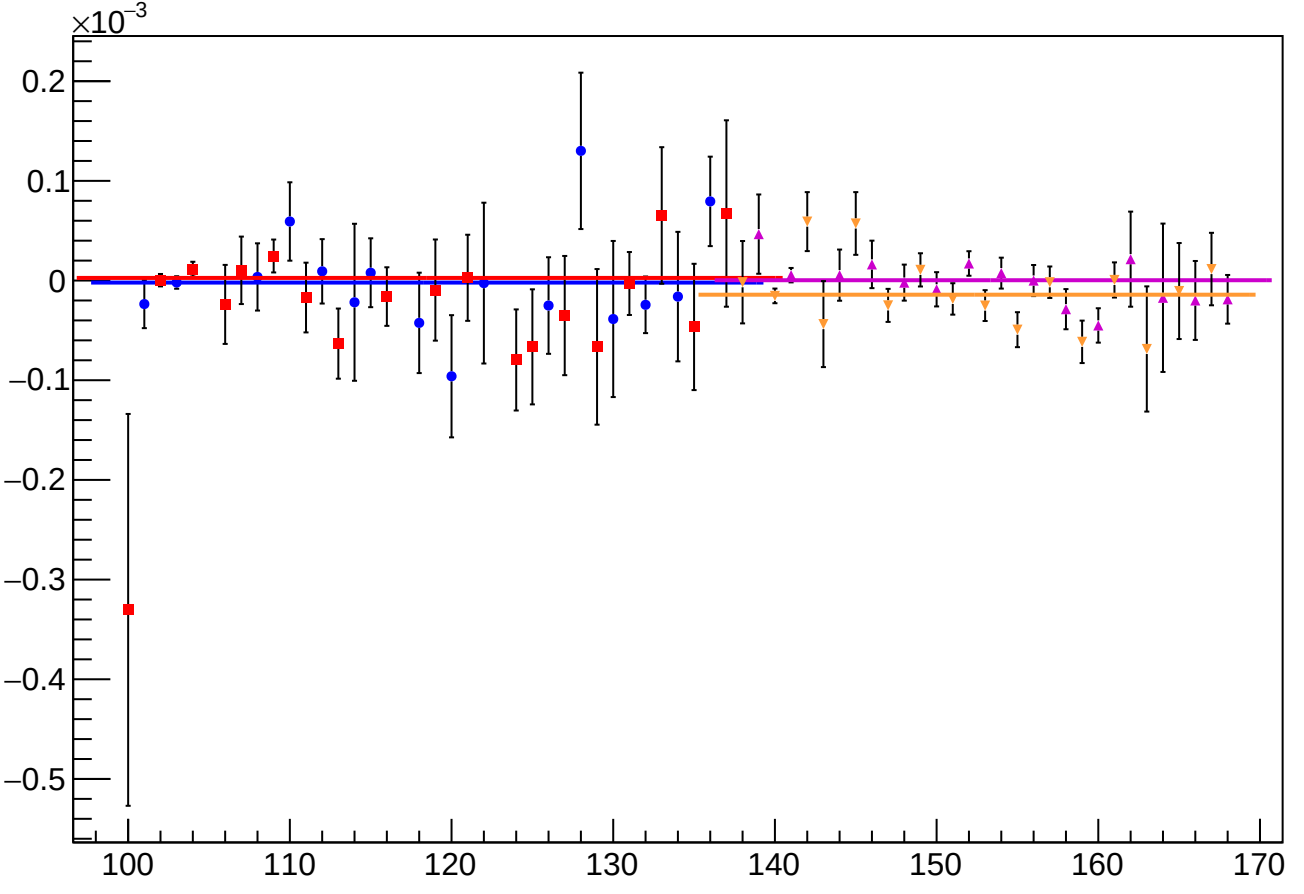
Left In: 591.250+/-0.122 χ^2/NDF:539987.3/14

+ sign 464.923+/-0.080 χ^2/NDF: 4477964.9/31

All: 447.596+/-0.055 χ^2/NDF: 10169239.7/65

- sign 431.812+/-0.076 χ^2/NDF: 5600603.3/33

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:26.6/15

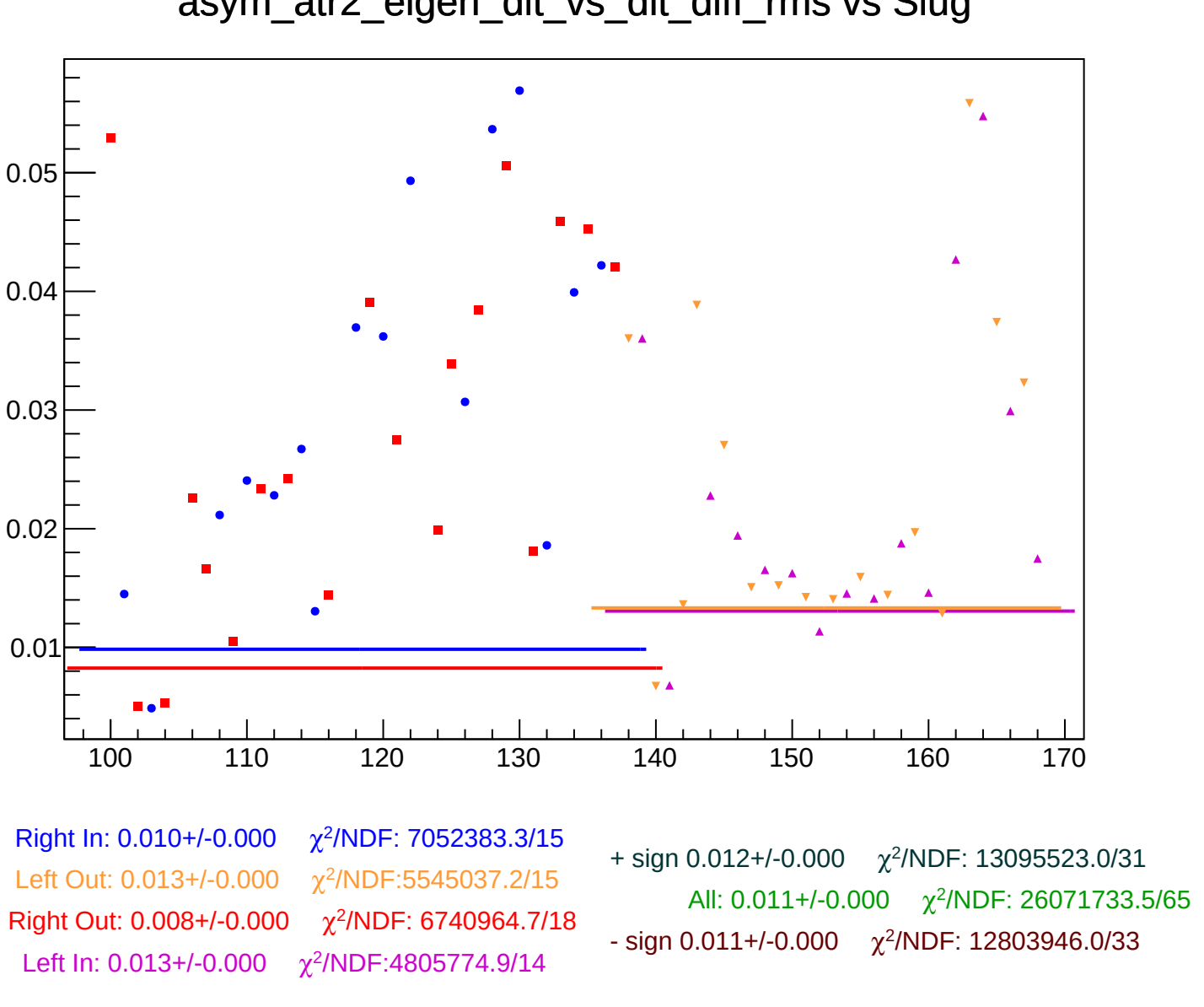
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

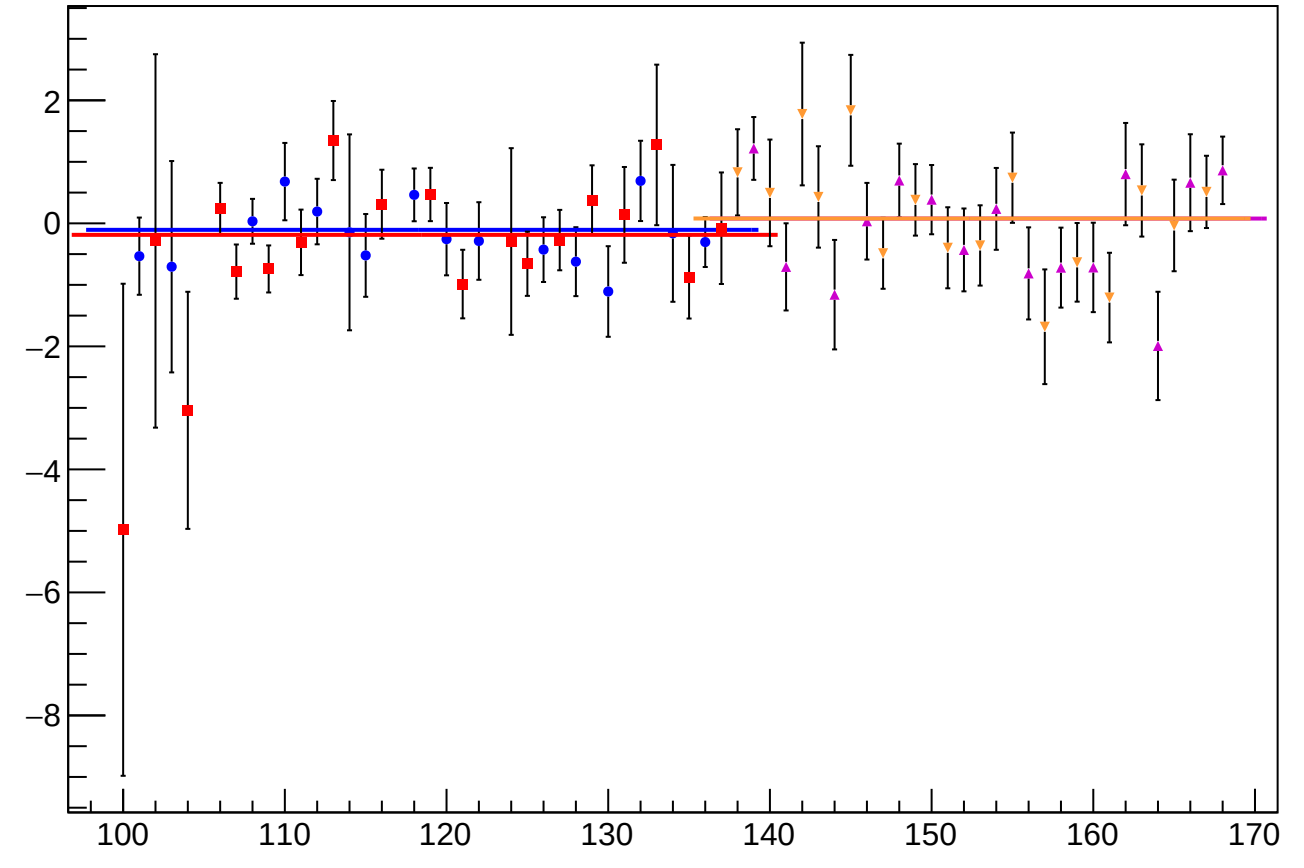
Left In: 0.000+/-0.000 χ^2/NDF:14.8/14

+ sign -0.000+/-0.000 χ^2/NDF: 43.4/31

All: -0.000+/-0.000 χ^2/NDF: 82.3/65

- sign 0.000+/-0.000 χ^2/NDF: 33.2/33


asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
Right In: 0.010+/-0.000 χ²/NDF: 7052383.3/15
Left Out: 0.013+/-0.000 χ²/NDF:5545037.2/15
Right Out: 0.008+/-0.000 χ²/NDF: 6740964.7/18
Left In: 0.013+/-0.000 χ²/NDF:4805774.9/14
+ sign 0.012+/-0.000 χ²/NDF: 13095523.0/31
All: 0.011+/-0.000 χ²/NDF: 26071733.5/65
- sign 0.011+/-0.000 χ²/NDF: 12803946.0/33



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.079+/-0.179 χ^2/NDF:19.4/15

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

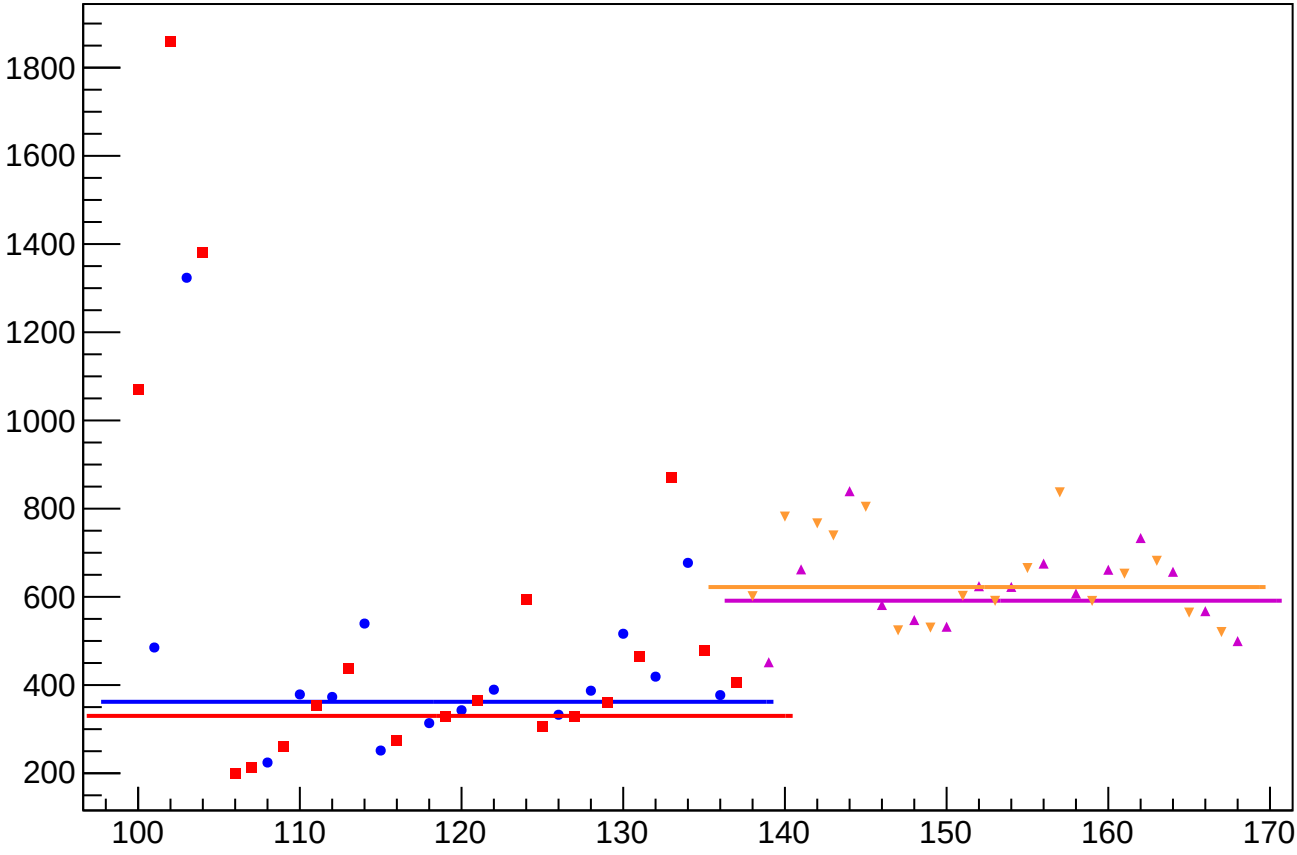
Left In: 0.078+/-0.172 χ^2/NDF:23.1/14

+ sign -0.033+/-0.112 χ^2/NDF: 29.7/31

All: -0.059+/-0.078 χ^2/NDF: 78.3/65

- sign -0.084+/-0.107 χ^2/NDF: 48.4/33

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 622.217+/-0.126 χ^2/NDF:543231.8/15

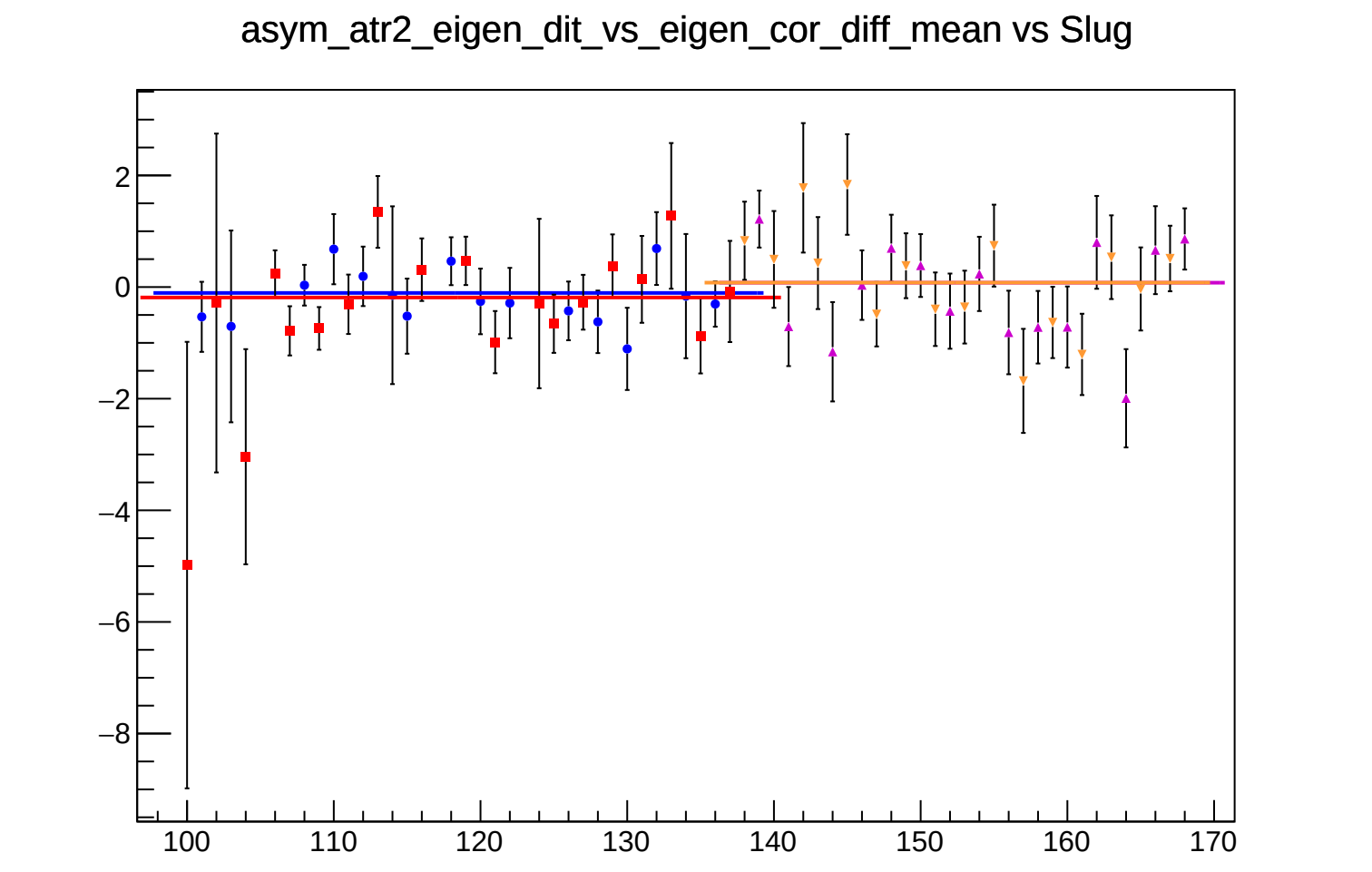
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 591.260+/-0.122 χ^2/NDF:539967.7/14

+ sign 464.923+/-0.080 χ^2/NDF: 4478174.5/31

All: 447.596+/-0.055 χ^2/NDF: 10169611.1/65

- sign 431.813+/-0.076 χ^2/NDF: 5600770.4/33



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.079+/-0.179 χ^2/NDF:19.4/15

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

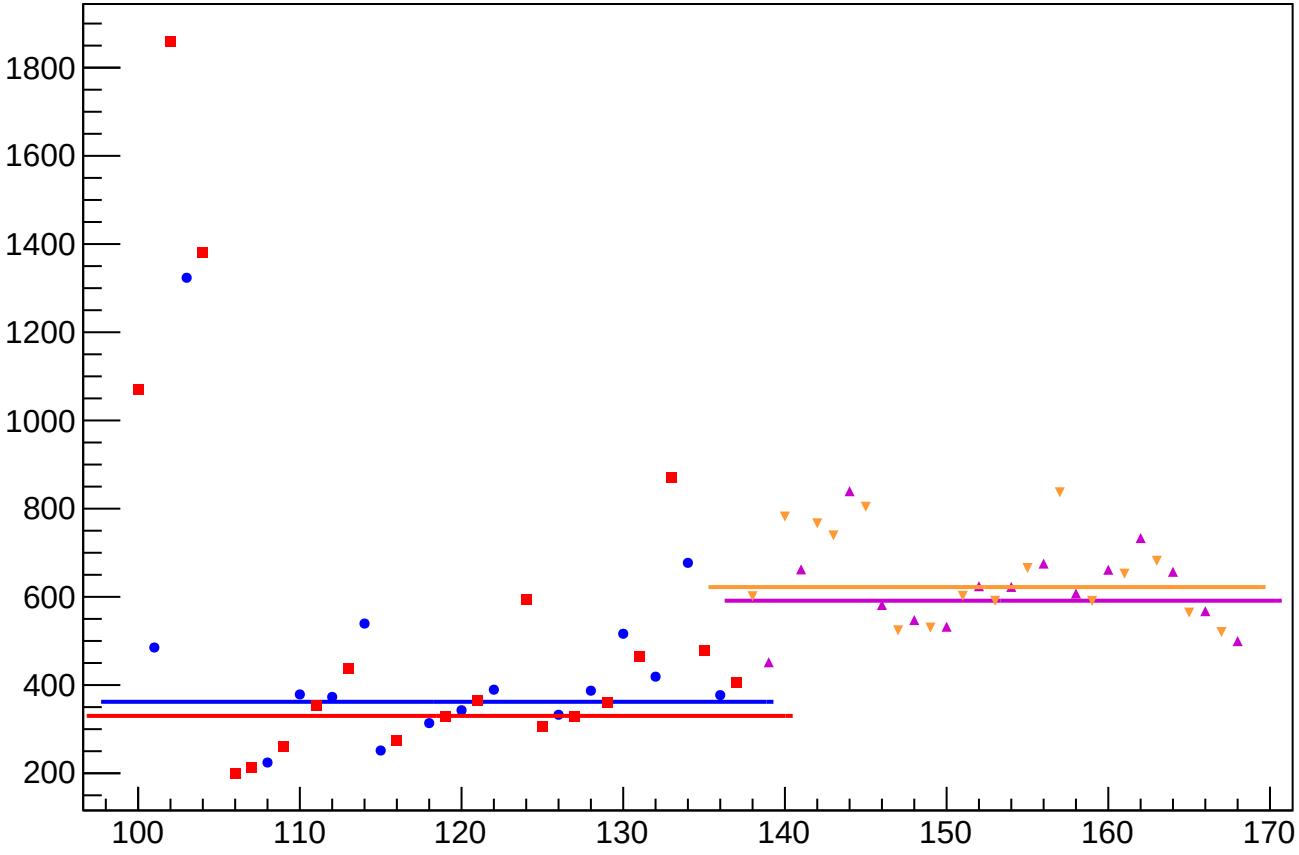
Left In: 0.078+/-0.172 χ^2/NDF:23.1/14

+ sign -0.033+/-0.112 χ^2/NDF: 29.7/31

All: -0.059+/-0.078 χ^2/NDF: 78.3/65

- sign -0.084+/-0.107 χ^2/NDF: 48.4/33

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: 622.217+/-0.126 χ^2/NDF:543231.8/15

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

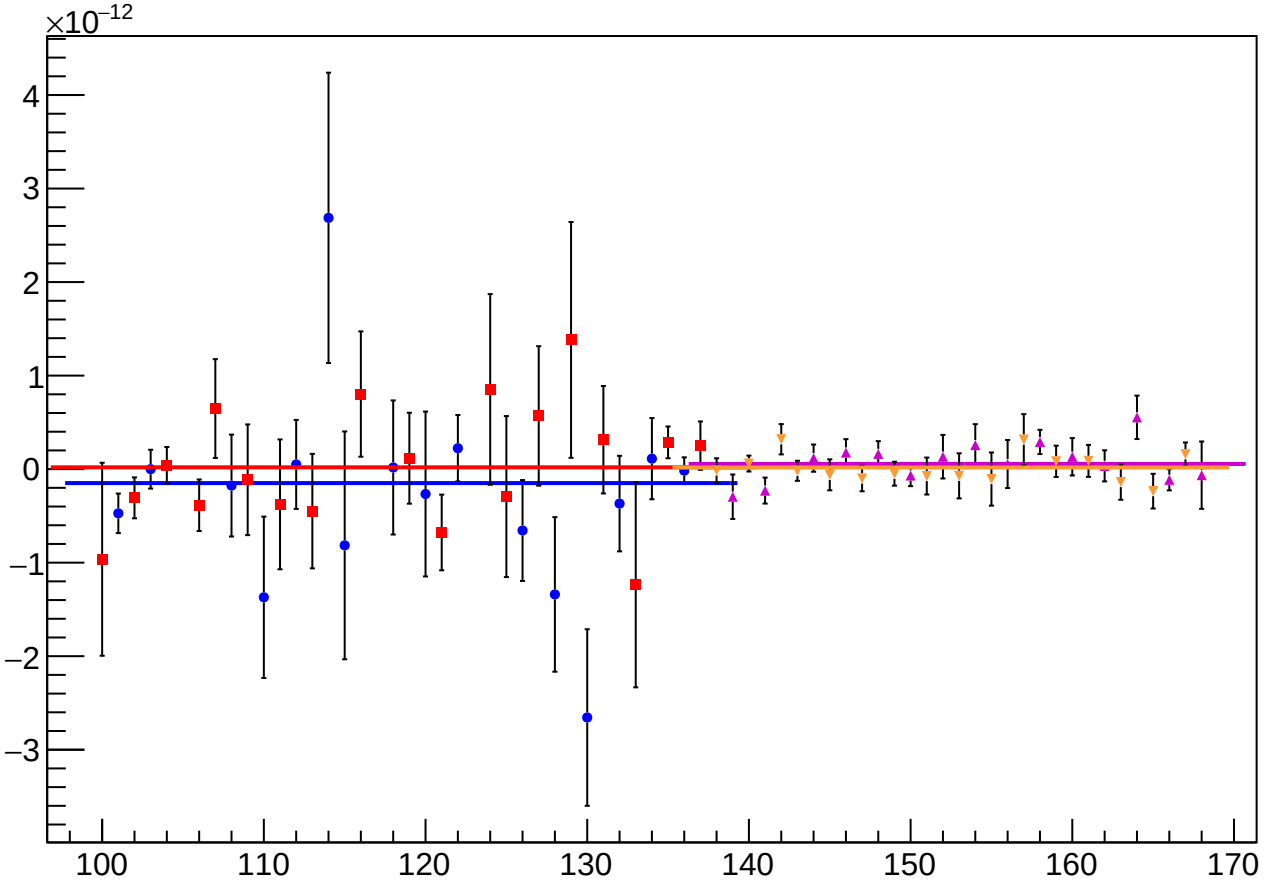
Left In: 591.260+/-0.122 χ^2/NDF:539967.7/14

+ sign 464.923+/-0.080 χ^2/NDF: 4478174.5/31

All: 447.596+/-0.055 χ^2/NDF: 10169611.1/65

- sign 431.813+/-0.076 χ^2/NDF: 5600770.4/33

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:11.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

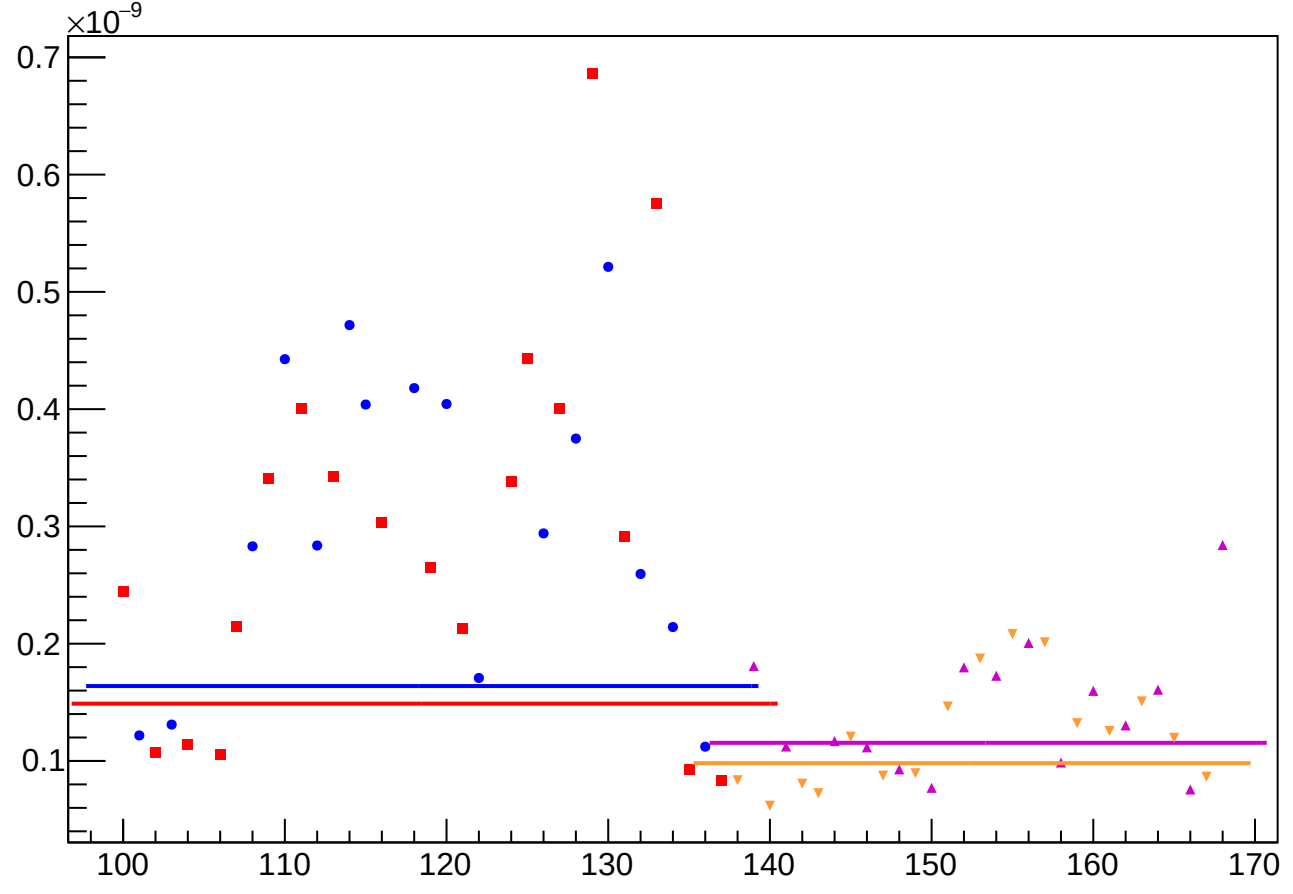
Left In: 0.000+/-0.000 χ^2/NDF:20.4/14

+ sign -0.000+/-0.000 χ^2/NDF: 35.3/31

All: 0.000+/-0.000 χ^2/NDF: 76.6/65

- sign 0.000+/-0.000 χ^2/NDF: 40.0/33

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:1898265.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

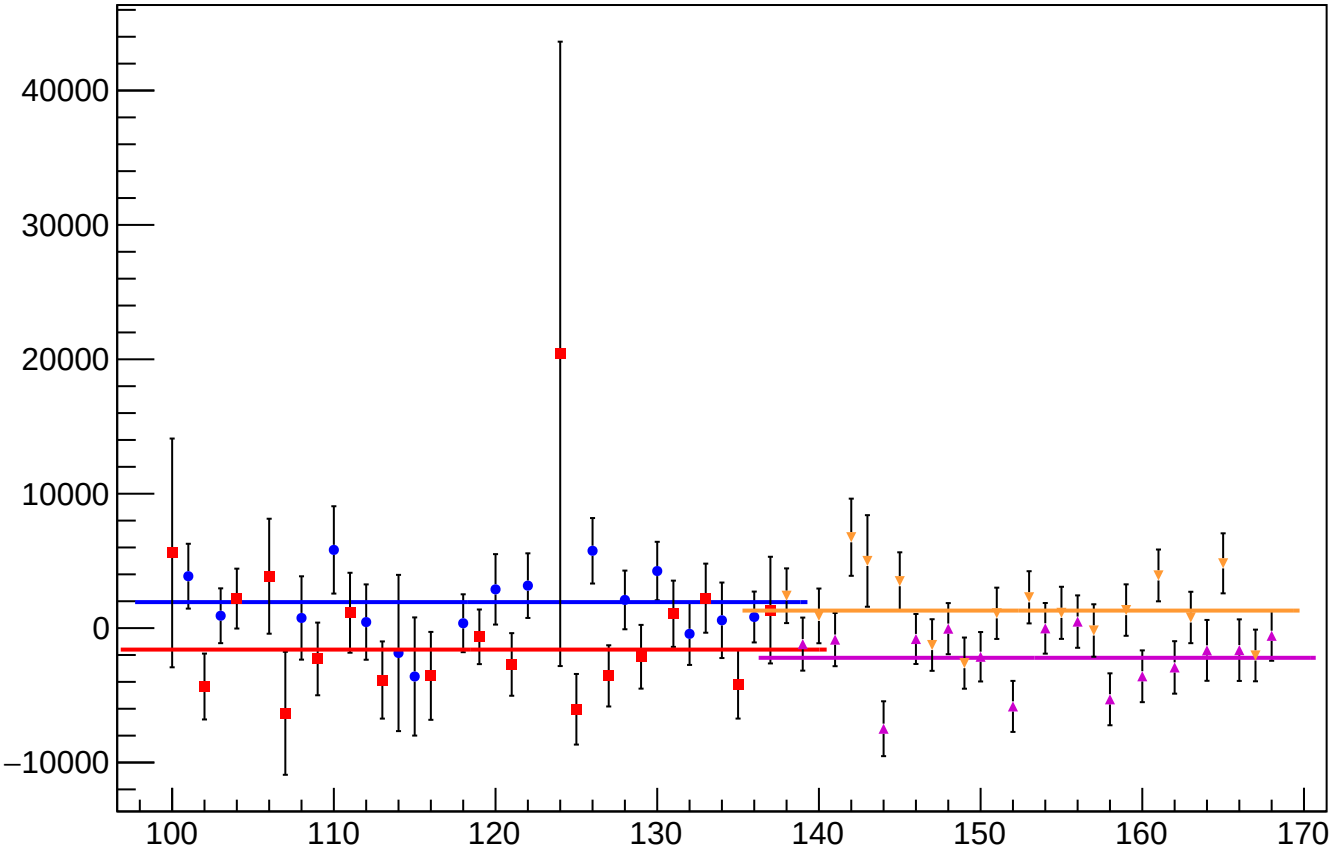
Left In: 0.000+/-0.000 χ^2/NDF:1849636.9/14

+ sign 0.000+/-0.000 χ^2/NDF: 4871654.5/31

All: 0.000+/-0.000 χ^2/NDF: 9976974.9/65

- sign 0.000+/-0.000 χ^2/NDF: 4951714.0/33

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1304.158+/-512.371 χ^2/NDF:20.4/15

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

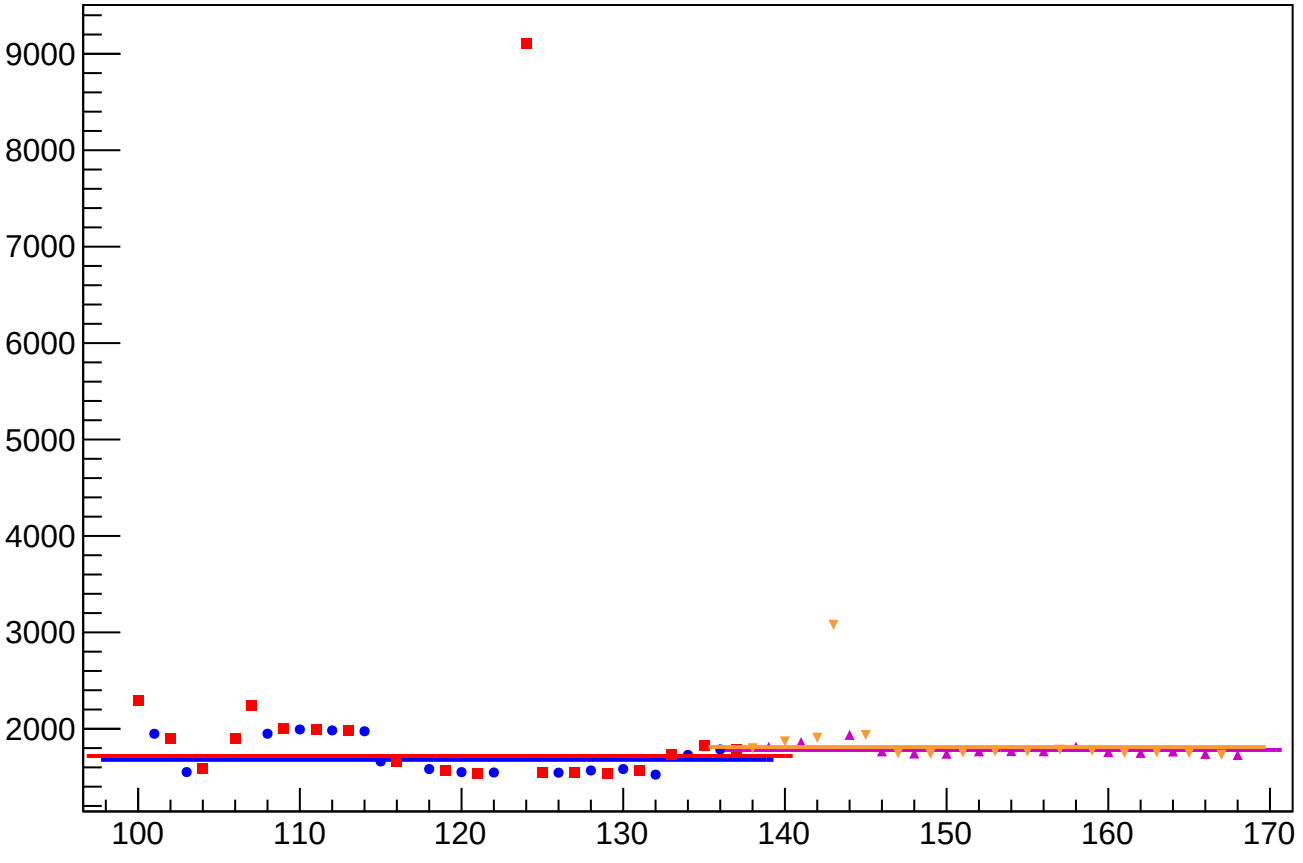
Left In: -2209.926+/-505.708 χ^2/NDF:20.3/14

+ sign 1556.228+/-396.969 χ^2/NDF: 31.9/31

All: -208.214+/-280.821 χ^2/NDF: 111.7/65

- sign -1975.697+/-397.311 χ^2/NDF: 40.2/33

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1810.403+/-0.362 χ^2/NDF:306375.9/15

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

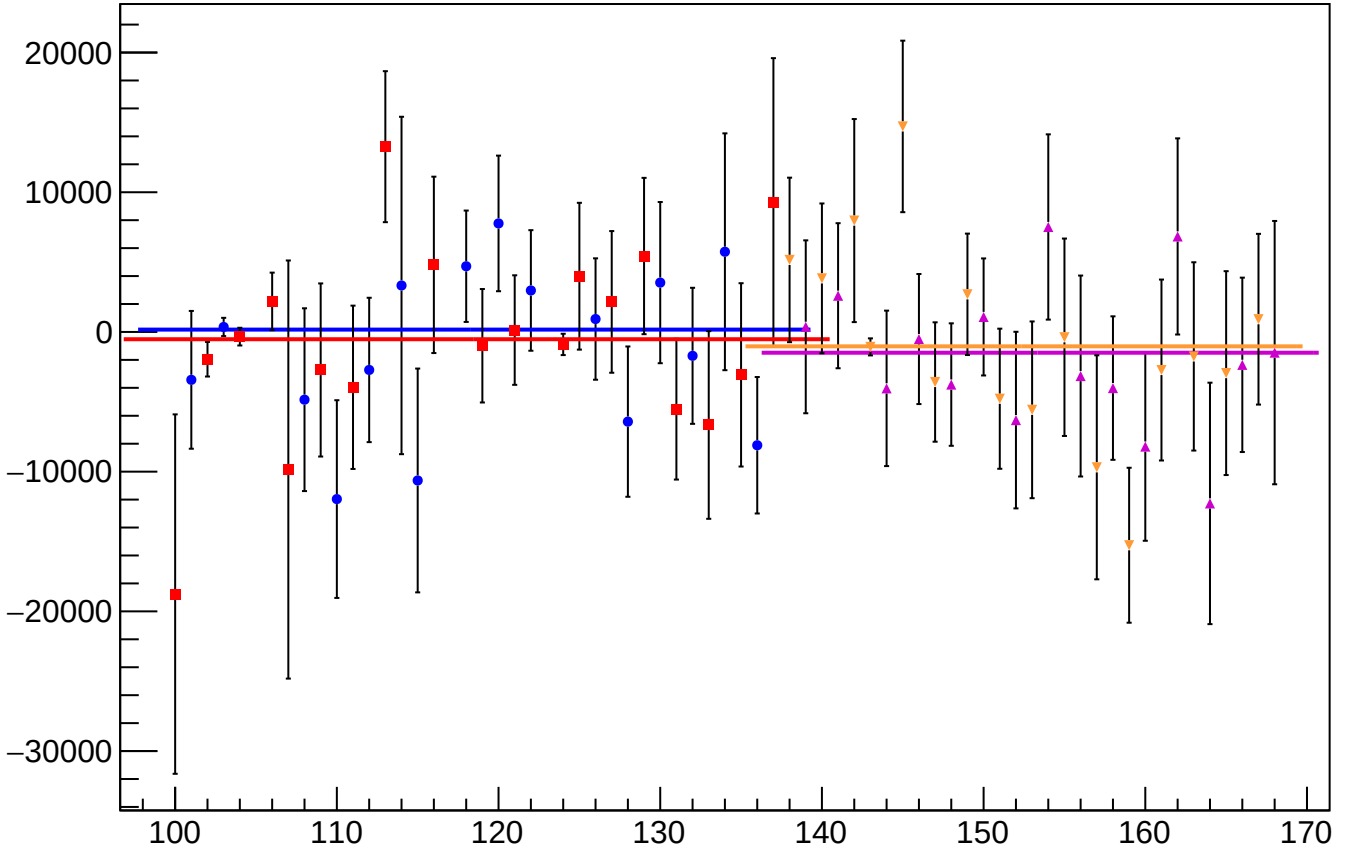
Left In: 1780.789+/-0.358 χ^2/NDF:21344.0/14

+ sign 1757.694+/-0.281 χ^2/NDF: 500807.3/31

All: 1757.215+/-0.198 χ^2/NDF: 917088.4/65

- sign 1756.736+/-0.280 χ^2/NDF: 416275.3/33

asym_atl_avg_reg_correction_mean vs Slug



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -1030.217+/-565.670 χ^2/NDF:20.2/15

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

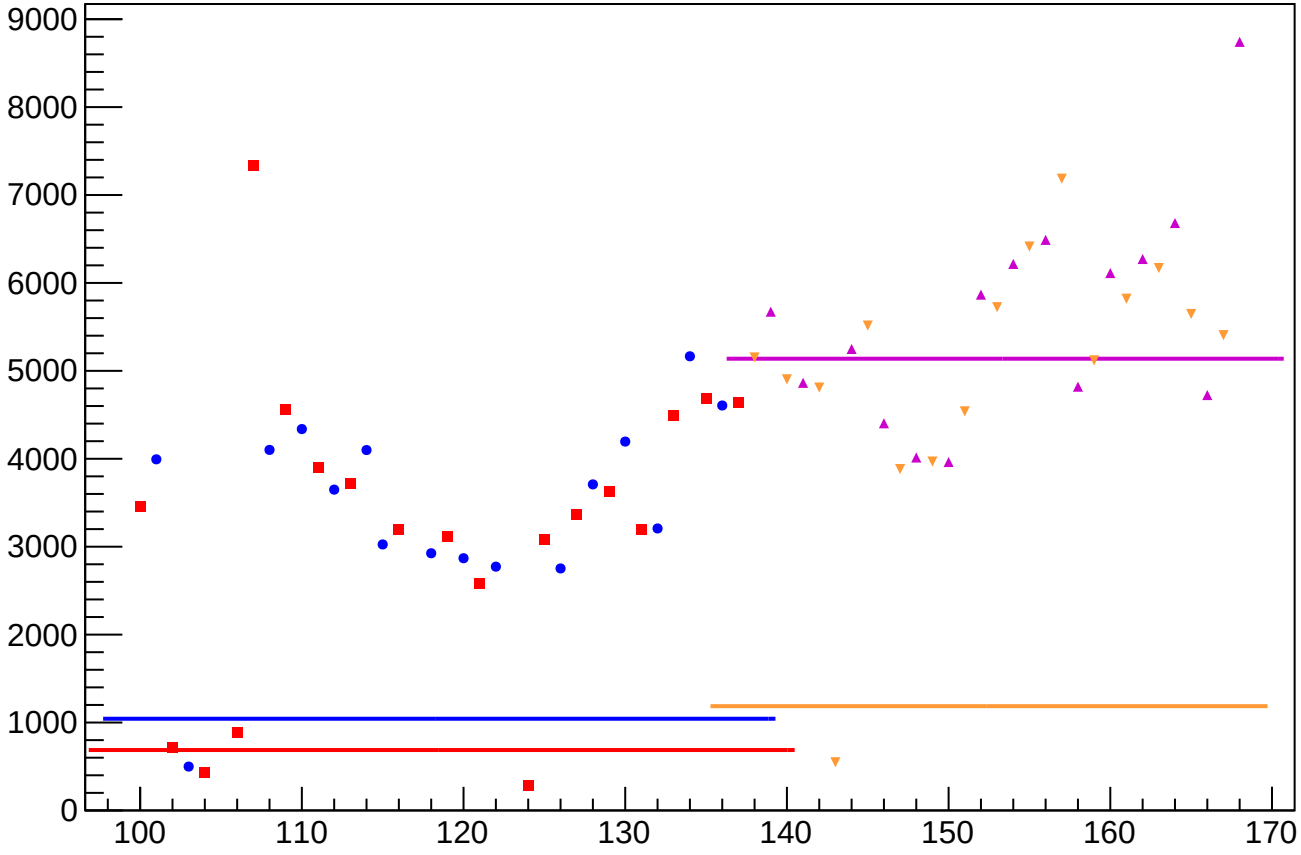
Left In: -1486.663+/-1493.437 χ^2/NDF:8.3/14

+ sign -457.815+/-408.851 χ^2/NDF: 38.2/31

All: -525.628+/-289.004 χ^2/NDF: 65.5/65

- sign -593.351+/-408.577 χ^2/NDF: 27.2/33

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1186.114+/-0.400 χ^2/NDF:16128053.3/15

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

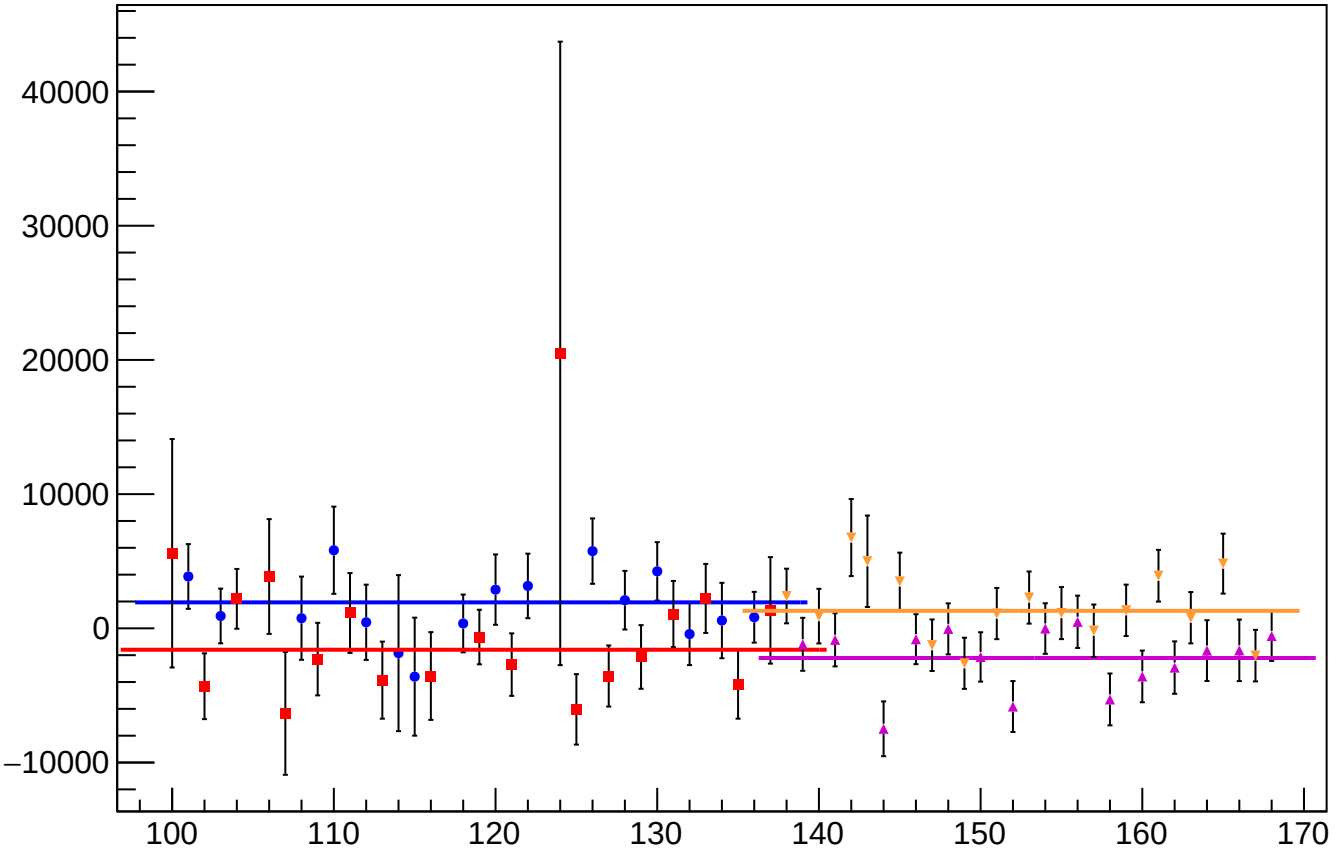
Left In: 5138.163+/-1.056 χ^2/NDF:976795.5/14

+ sign 1117.819+/-0.289 χ^2/NDF: 24300991.9/31

All: 1069.107+/-0.204 χ^2/NDF: 50400406.0/6

- sign 1020.460+/-0.289 χ^2/NDF: 26042671.3/33

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1304.159+/-512.371 χ^2/NDF:20.4/15

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

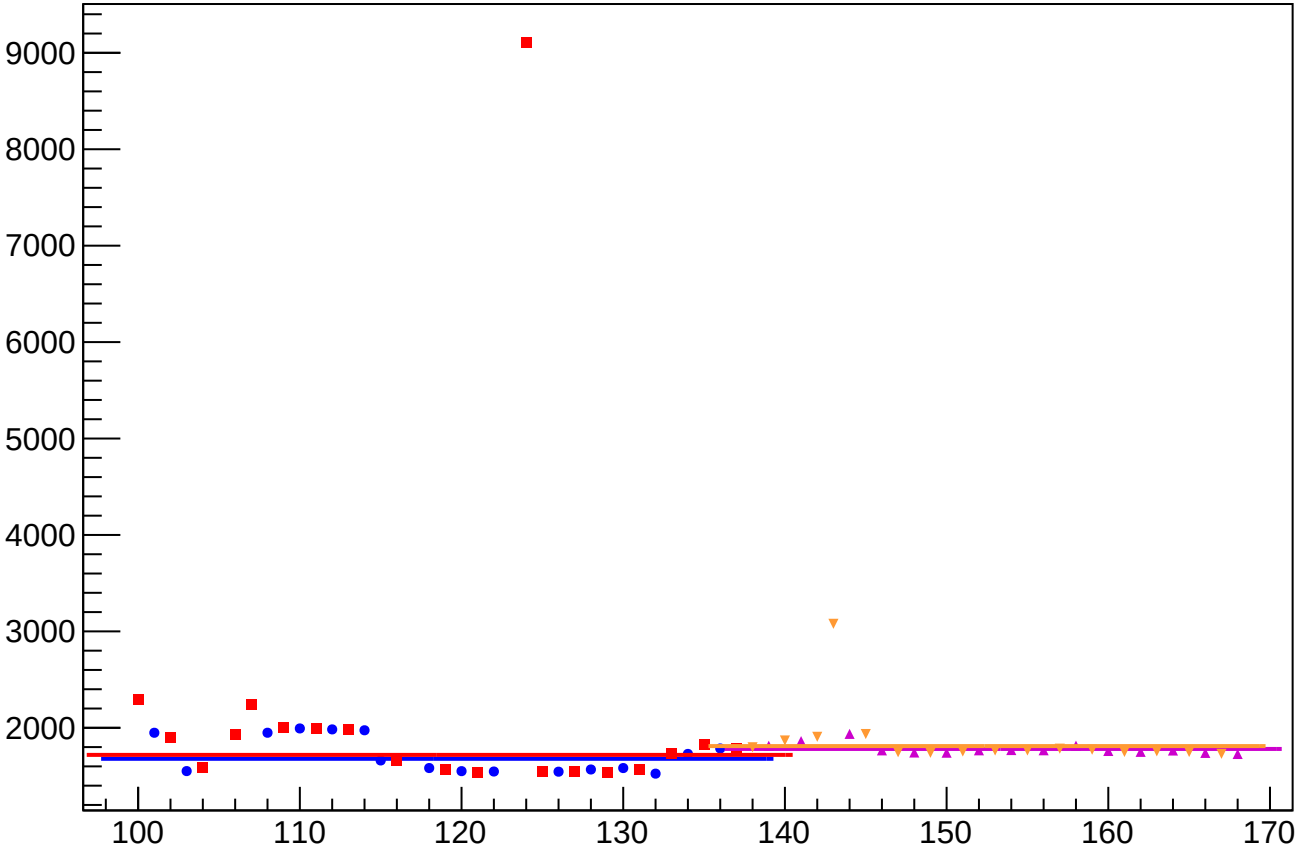
Left In: -2210.020+/-505.708 χ^2/NDF:20.3/14

+ sign 1556.274+/-396.969 χ^2/NDF: 31.9/31

All: -207.749+/-280.821 χ^2/NDF: 111.7/65

- sign -1974.824+/-397.313 χ^2/NDF: 40.2/33

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1810.403+/-0.362 χ^2/NDF:306375.9/15

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

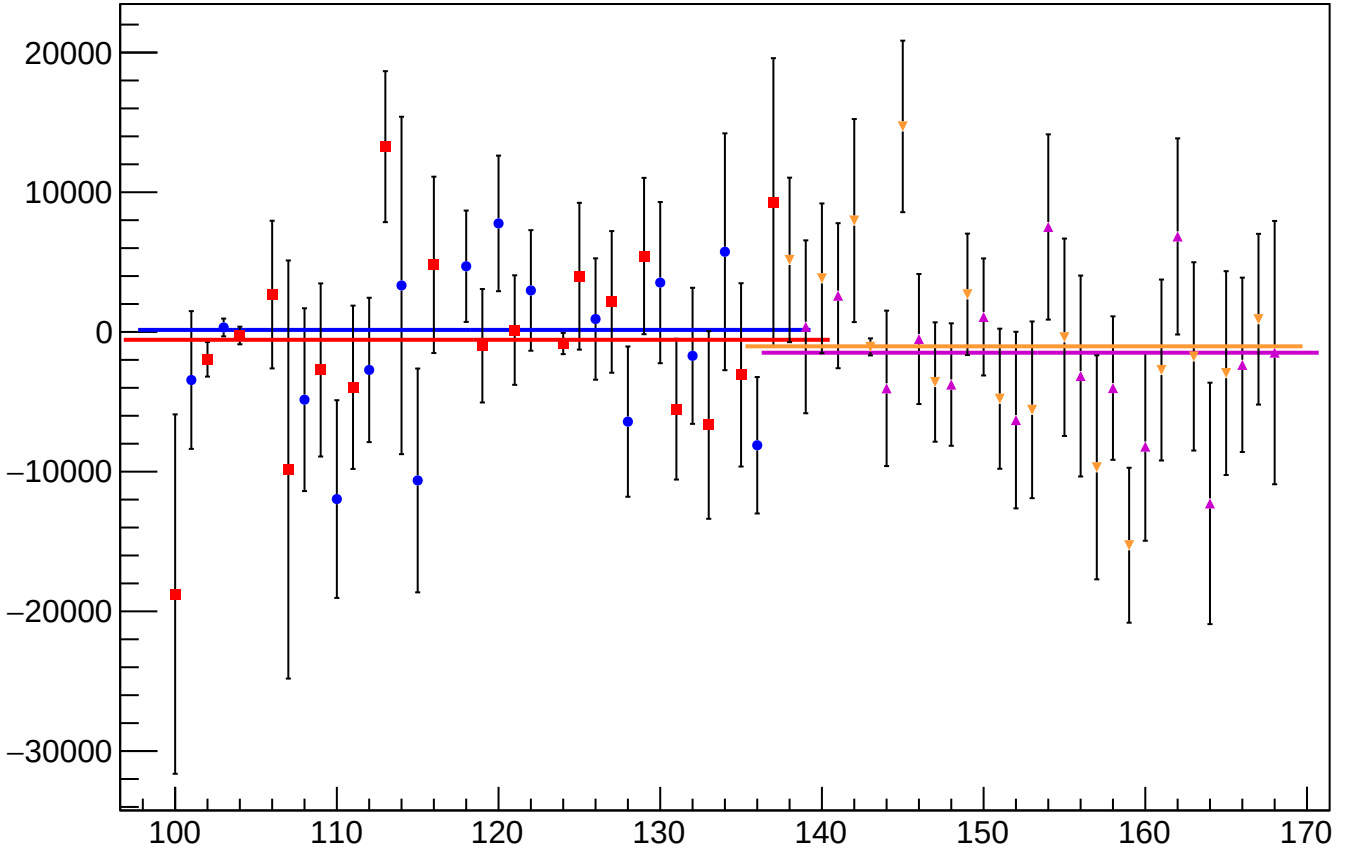
Left In: 1780.789+/-0.358 χ^2/NDF:21344.0/14

\+ sign 1757.694+/-0.281 χ^2/NDF: 500807.5/31

All: 1757.383+/-0.198 χ^2/NDF: 918509.5/65

\- sign 1757.072+/-0.280 χ^2/NDF: 417699.6/33

asym_atl_avg_cor_correction_mean vs Slug



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1029.867+/-565.649 χ^2/NDF:20.2/15

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

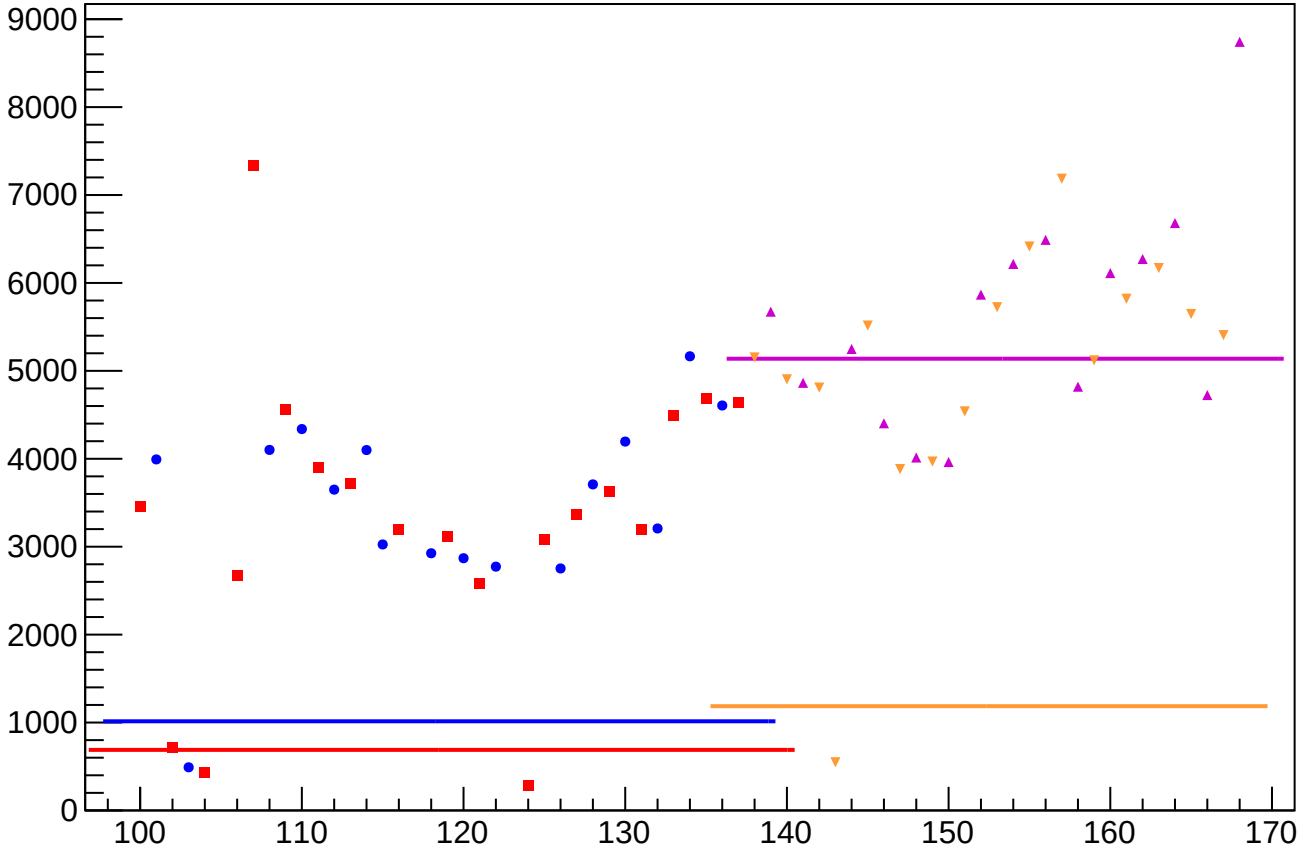
Left In: -1486.796+/-1493.436 χ^2/NDF:8.3/14

+ sign -455.740+/-404.734 χ^2/NDF: 38.1/31

All: -542.162+/-289.330 χ^2/NDF: 64.1/65

- sign -632.483+/-413.764 χ^2/NDF: 25.9/33

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1186.050+/-0.400 χ^2/NDF:16128389.8/15

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

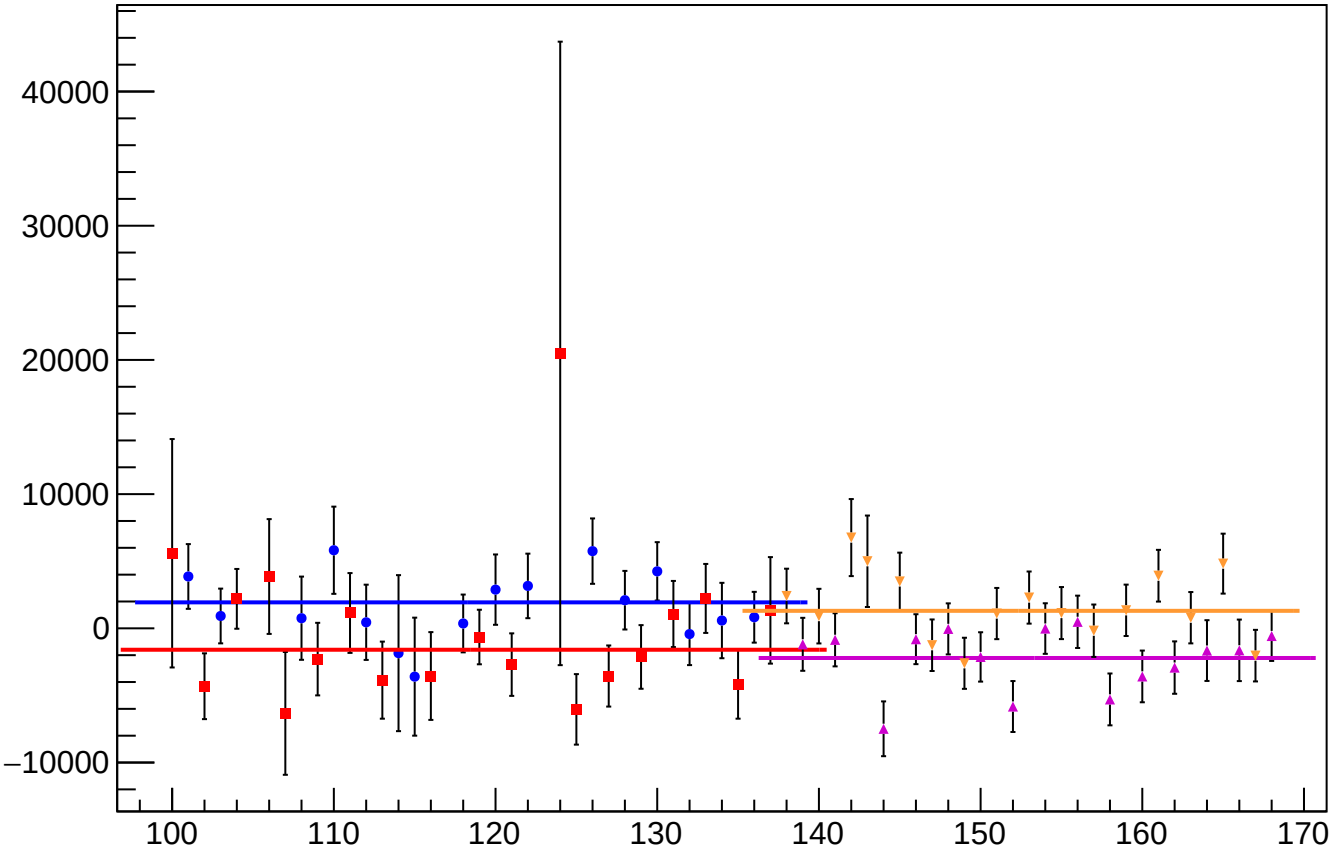
Left In: 5138.157+/-1.056 χ^2/NDF:976815.2/14

+ sign 1102.130+/-0.286 χ^2/NDF: 24441609.0/31

All: 1067.138+/-0.205 χ^2/NDF: 50747003.2/6

- sign 1030.566+/-0.293 χ^2/NDF: 26274819.2/33

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1304.159+/-512.371 χ^2/NDF:20.4/15

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

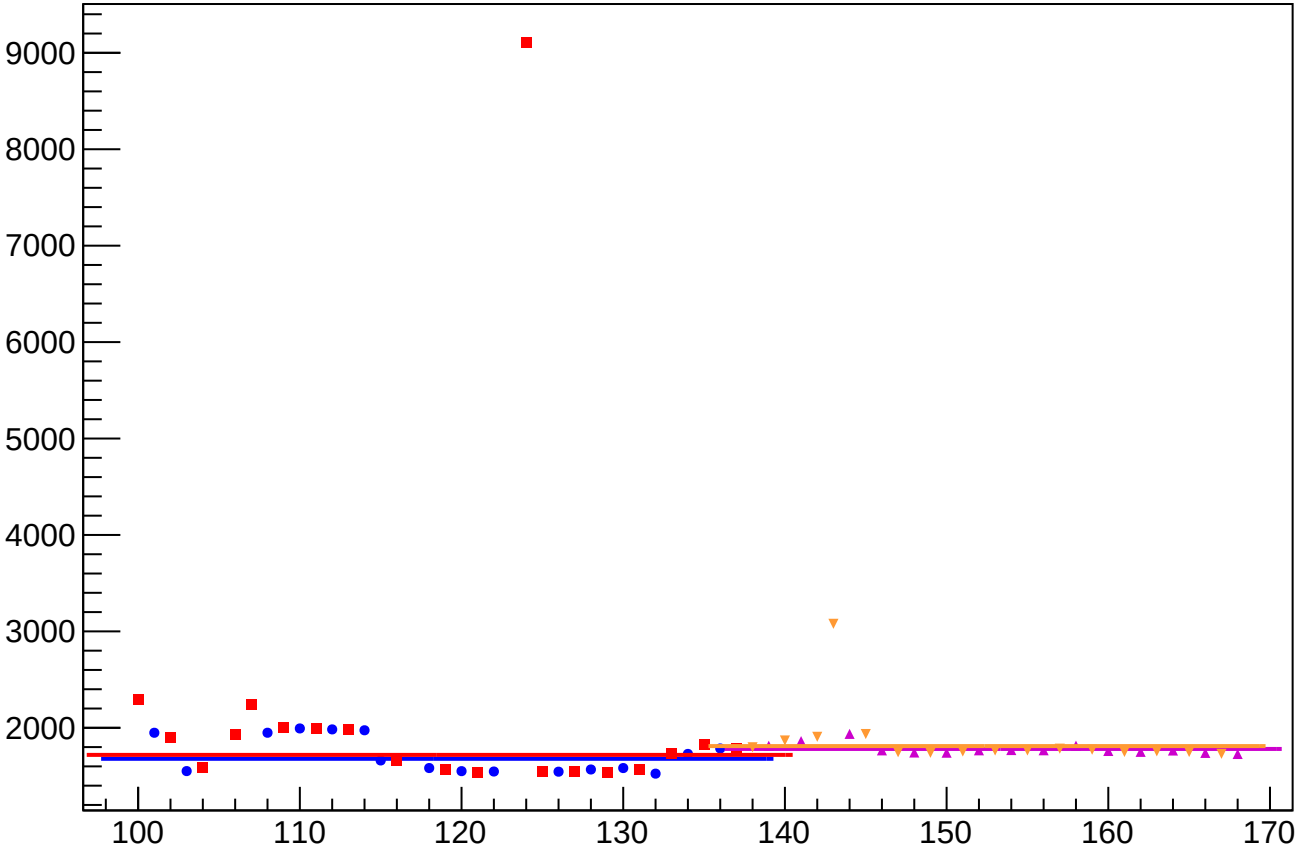
Left In: -2210.020+/-505.708 χ^2/NDF:20.3/14

+ sign 1556.274+/-396.969 χ^2/NDF: 31.9/31

All: -207.749+/-280.821 χ^2/NDF: 111.7/65

- sign -1974.824+/-397.313 χ^2/NDF: 40.2/33

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1810.403+/-0.362 χ^2/NDF:306375.9/15

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

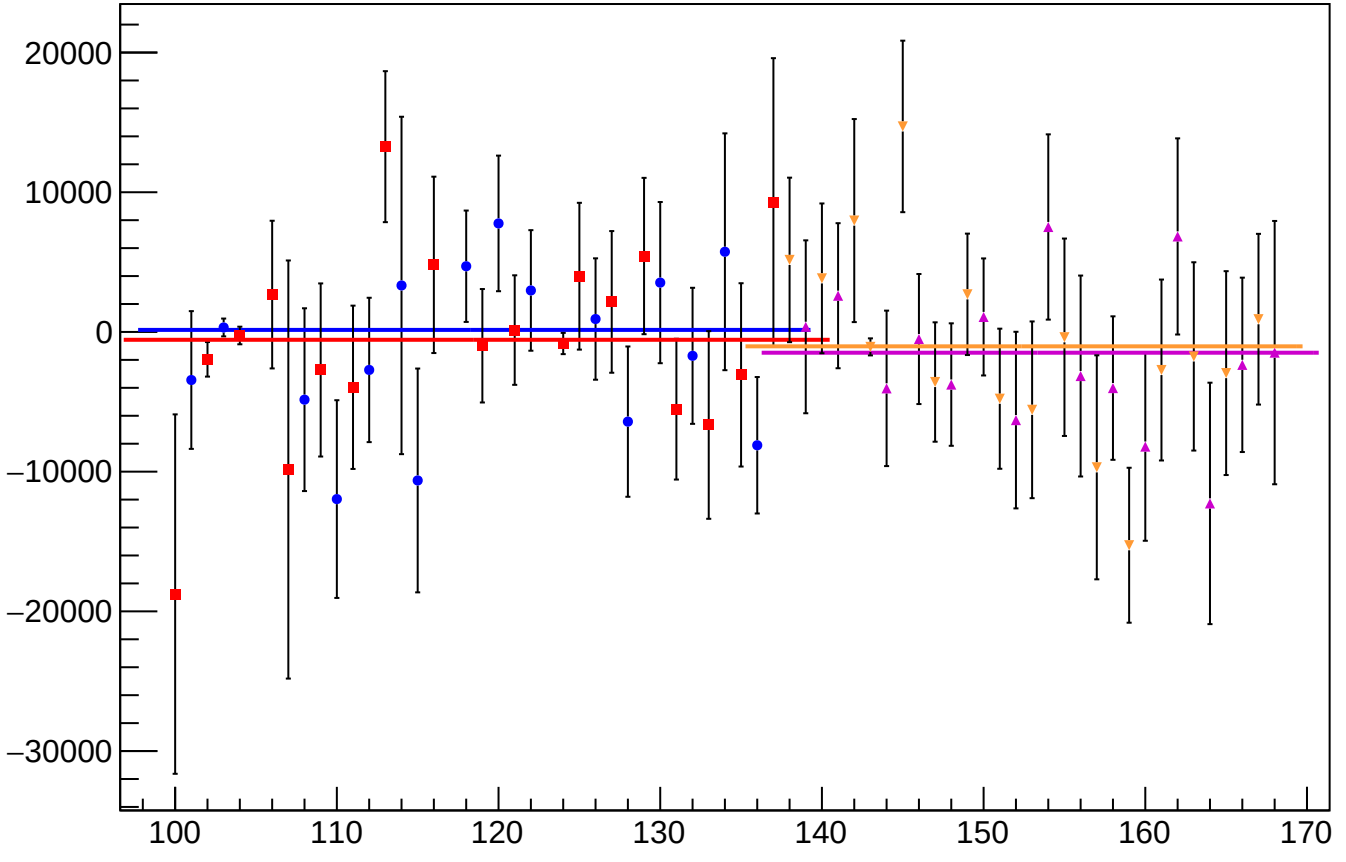
Left In: 1780.789+/-0.358 χ^2/NDF:21344.0/14

+ sign 1757.694+/-0.281 χ^2/NDF: 500807.5/31

All: 1757.383+/-0.198 χ^2/NDF: 918509.5/65

- sign 1757.072+/-0.280 χ^2/NDF: 417699.6/33

asym_atl_avg_eigen_cor_correction_mean vs Slug



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1029.867+/-565.649 χ^2/NDF:20.2/15

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

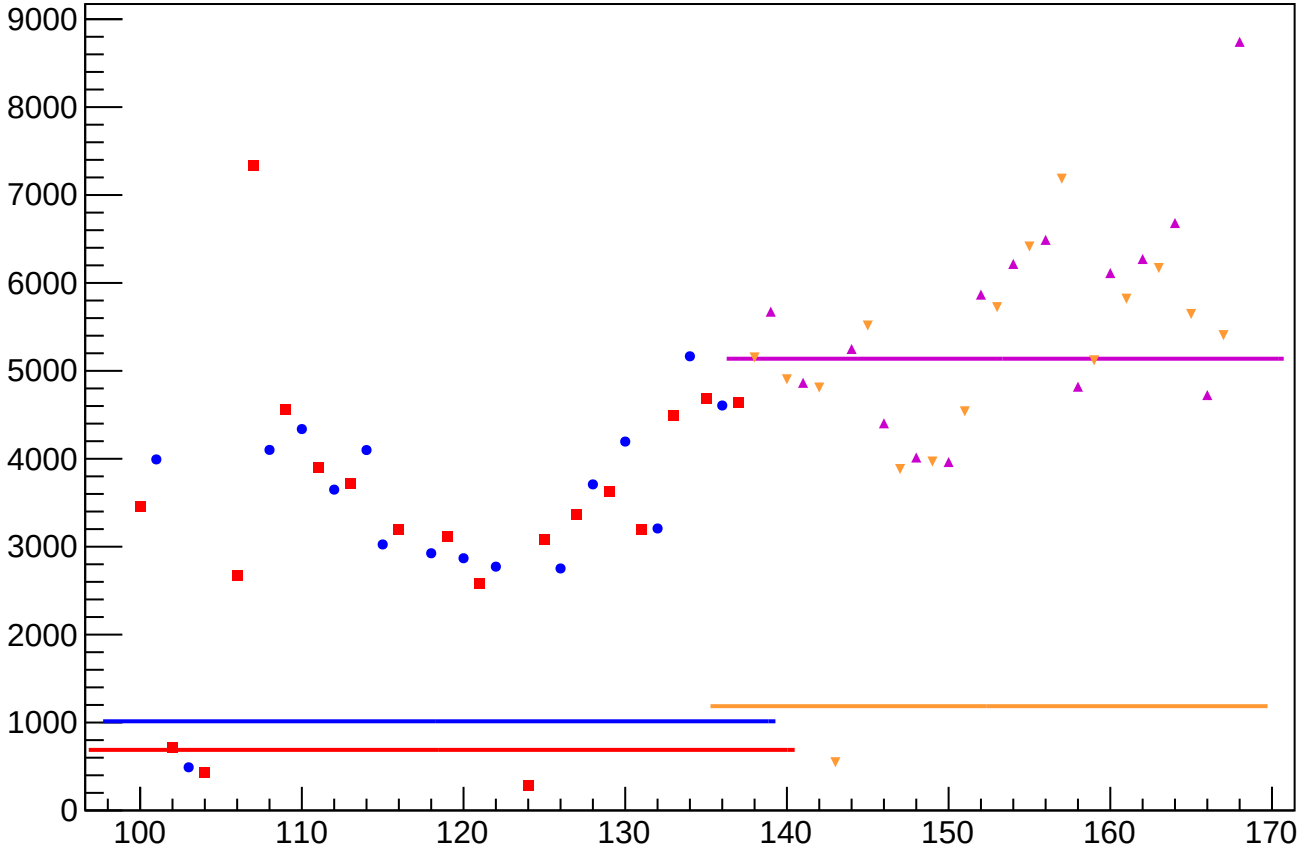
Left In: -1486.796+/-1493.436 χ^2/NDF:8.3/14

+ sign -455.740+/-404.734 χ^2/NDF: 38.1/31

All: -542.162+/-289.330 χ^2/NDF: 64.1/65

- sign -632.483+/-413.764 χ^2/NDF: 25.9/33

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1186.050+/-0.400 χ^2/NDF:16128389.8/15

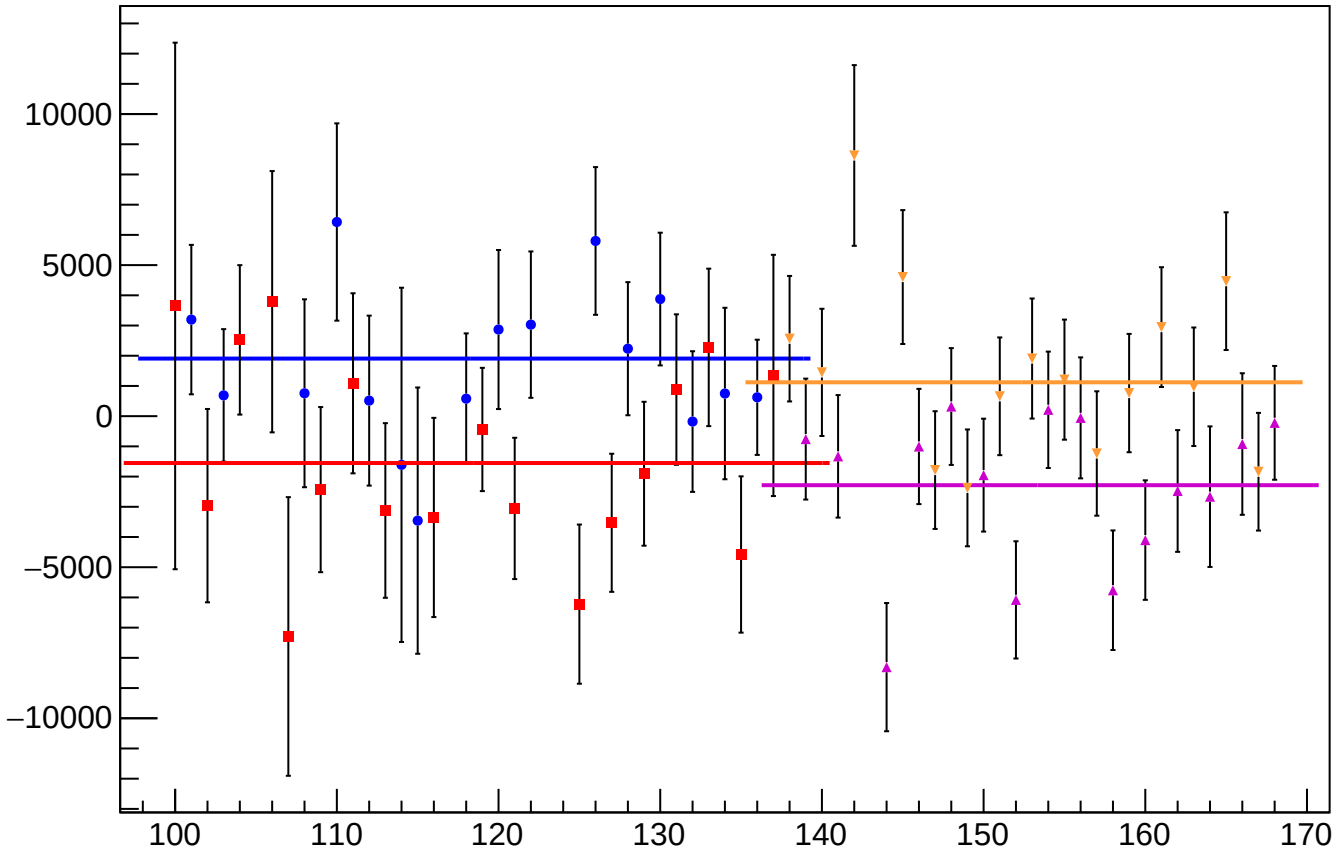
Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5138.157+/-1.056 χ^2/NDF:976815.2/14

+ sign 1102.130+/-0.286 χ^2/NDF: 24441609.0/31

All: 1067.138+/-0.205 χ^2/NDF: 50747003.2/6

- sign 1030.566+/-0.293 χ^2/NDF: 26274819.2/33



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1120.683+/-531.478 χ^2/NDF:21.6/14

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

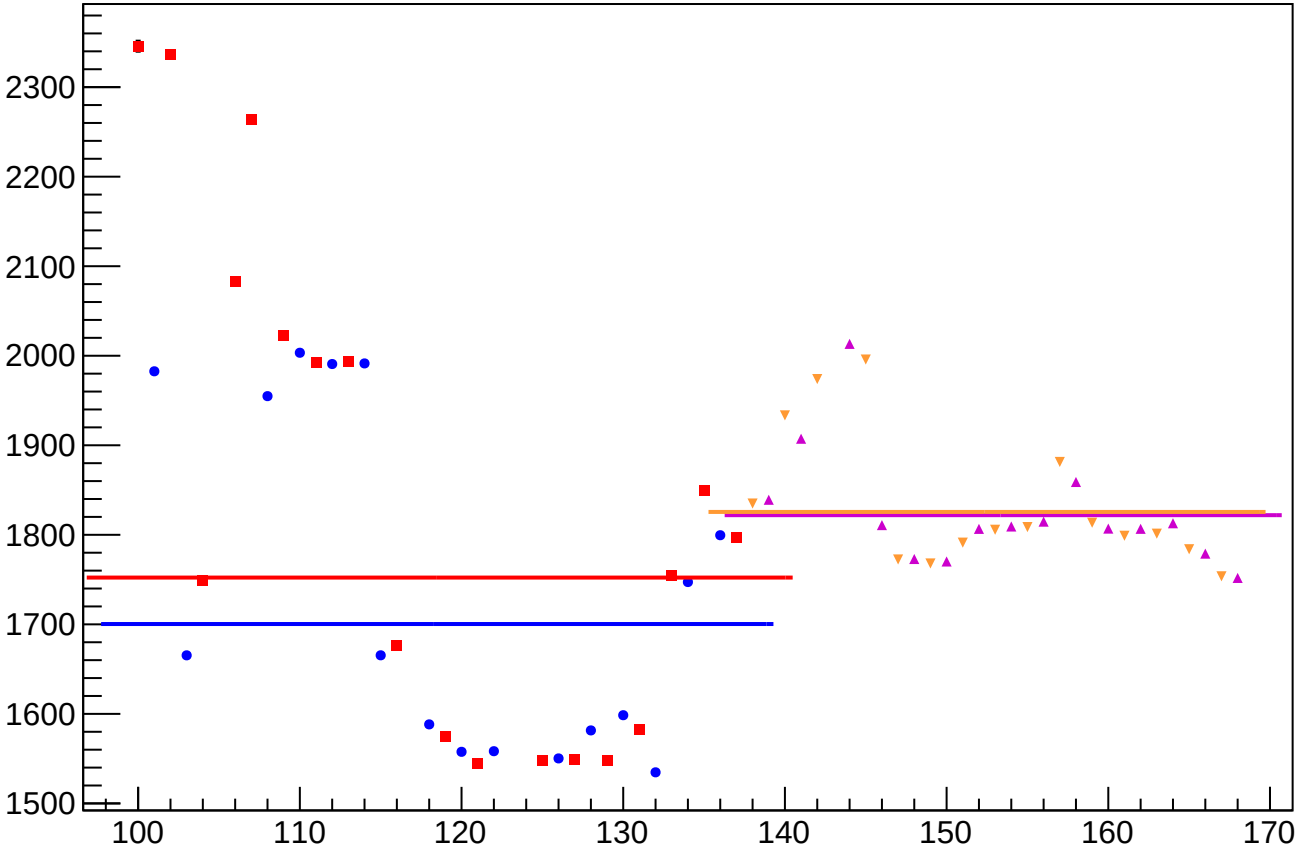
Left In: -2284.977+/-517.488 χ^2/NDF:23.4/14

+ sign 1443.418+/-407.941 χ^2/NDF: 32.8/30

All: -283.274+/-288.295 χ^2/NDF: 110.2/63

- sign -2006.086+/-407.482 χ^2/NDF: 41.6/32

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1825.553+/-0.376 χ^2/NDF:31838.3/14

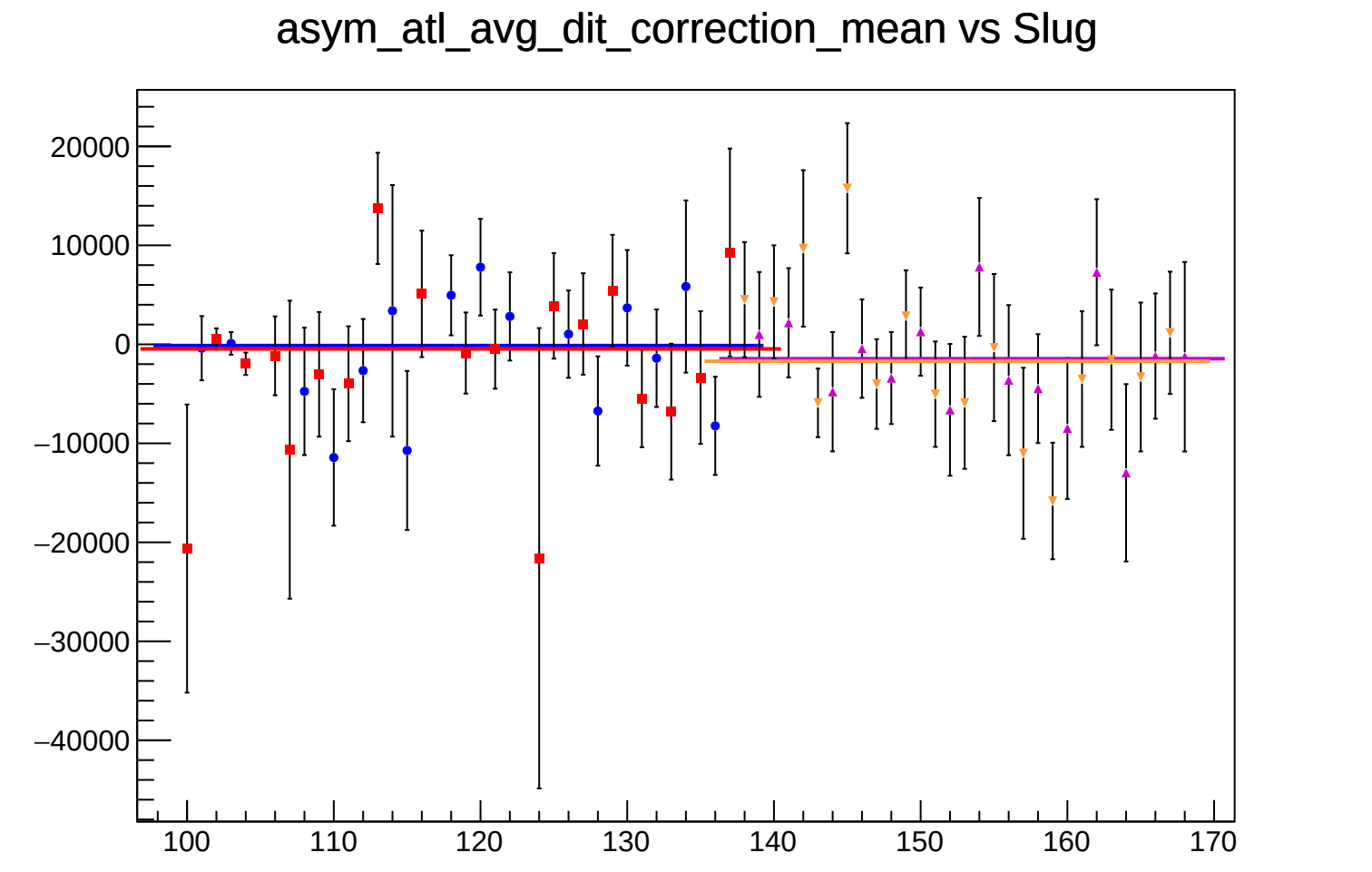
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1821.935+/-0.366 χ^2/NDF:27478.3/14

+ sign 1774.115+/-0.288 χ^2/NDF: 212853.2/30

All: 1784.768+/-0.204 χ^2/NDF: 504830.1/63

- sign 1795.378+/-0.288 χ^2/NDF: 289254.7/32



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1709.271+/-1441.050 χ^2/NDF:22.2/15

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

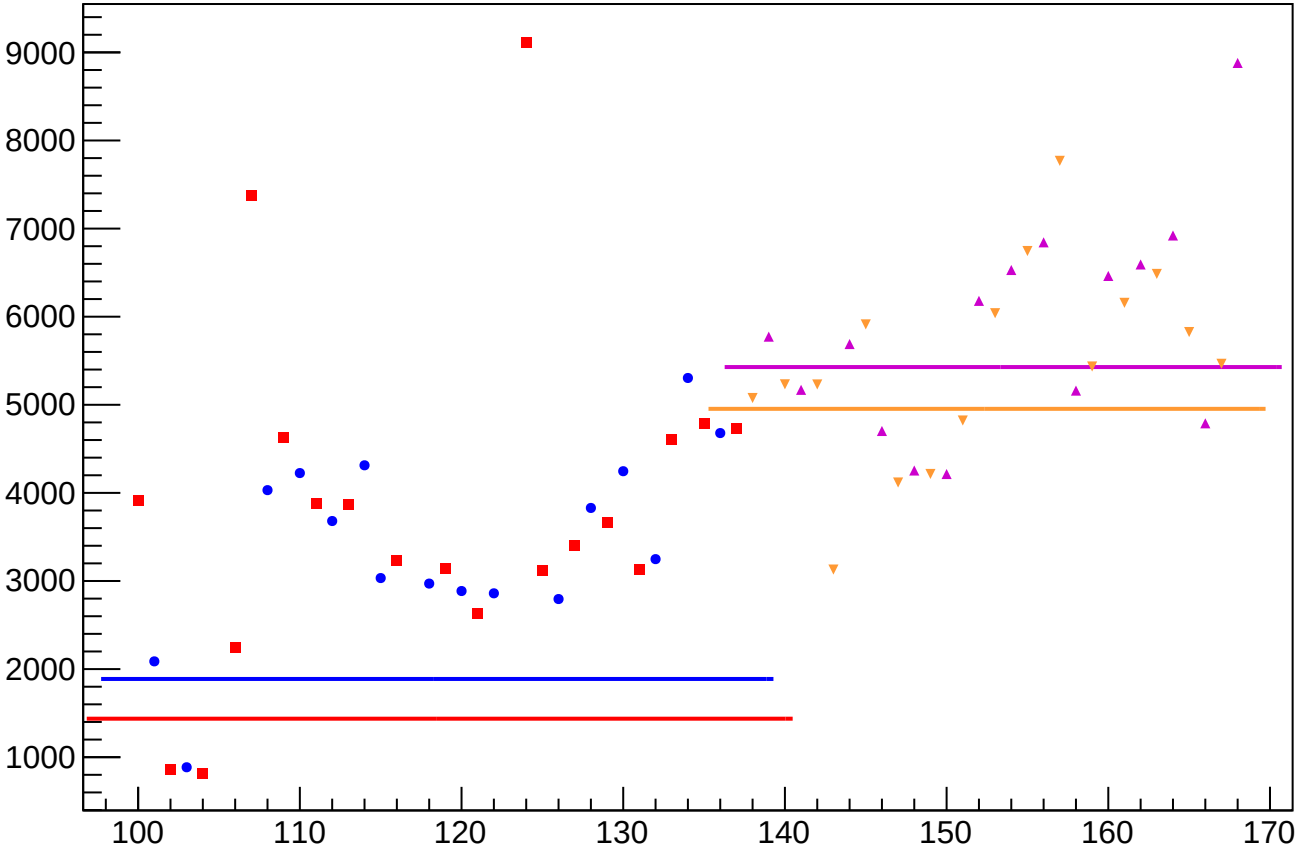
Left In: -1448.288+/-1575.753 χ^2/NDF:8.3/14

+ sign -546.859+/-743.313 χ^2/NDF: 38.1/31

All: -586.464+/-477.783 χ^2/NDF: 65.2/65

- sign -614.348+/-623.693 χ^2/NDF: 27.1/33

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4954.043+/-1.019 χ^2/NDF:1316489.5/15

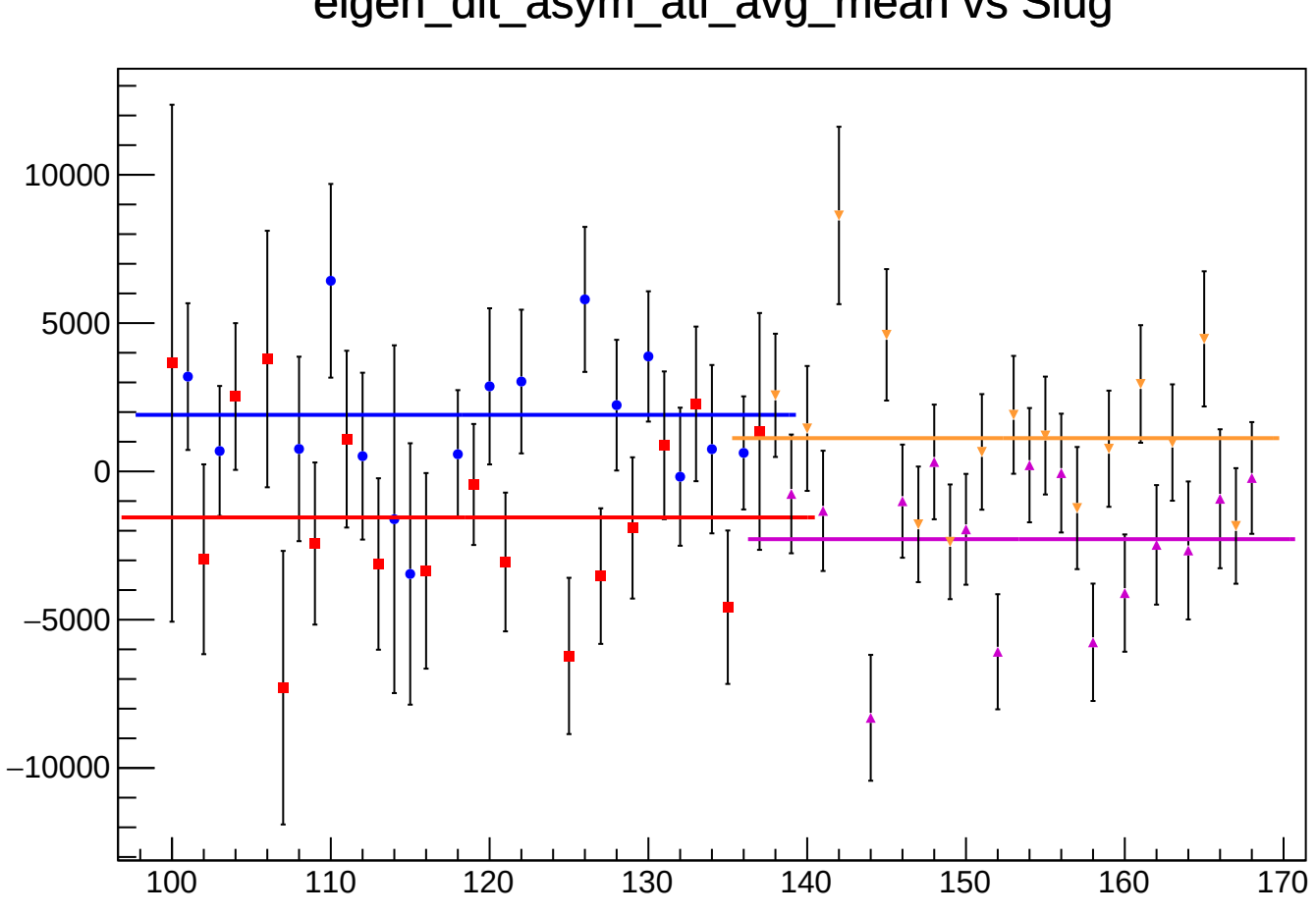
Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5428.355+/-1.114 χ^2/NDF:911006.6/14

+ sign 2703.760+/-0.526 χ^2/NDF: 12387065.3/31

All: 2327.377+/-0.338 χ^2/NDF: 30957214.5/6

- sign 2062.387+/-0.441 χ^2/NDF: 17696315.8/33



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1120.679+/-531.479 χ^2/NDF:21.6/14

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

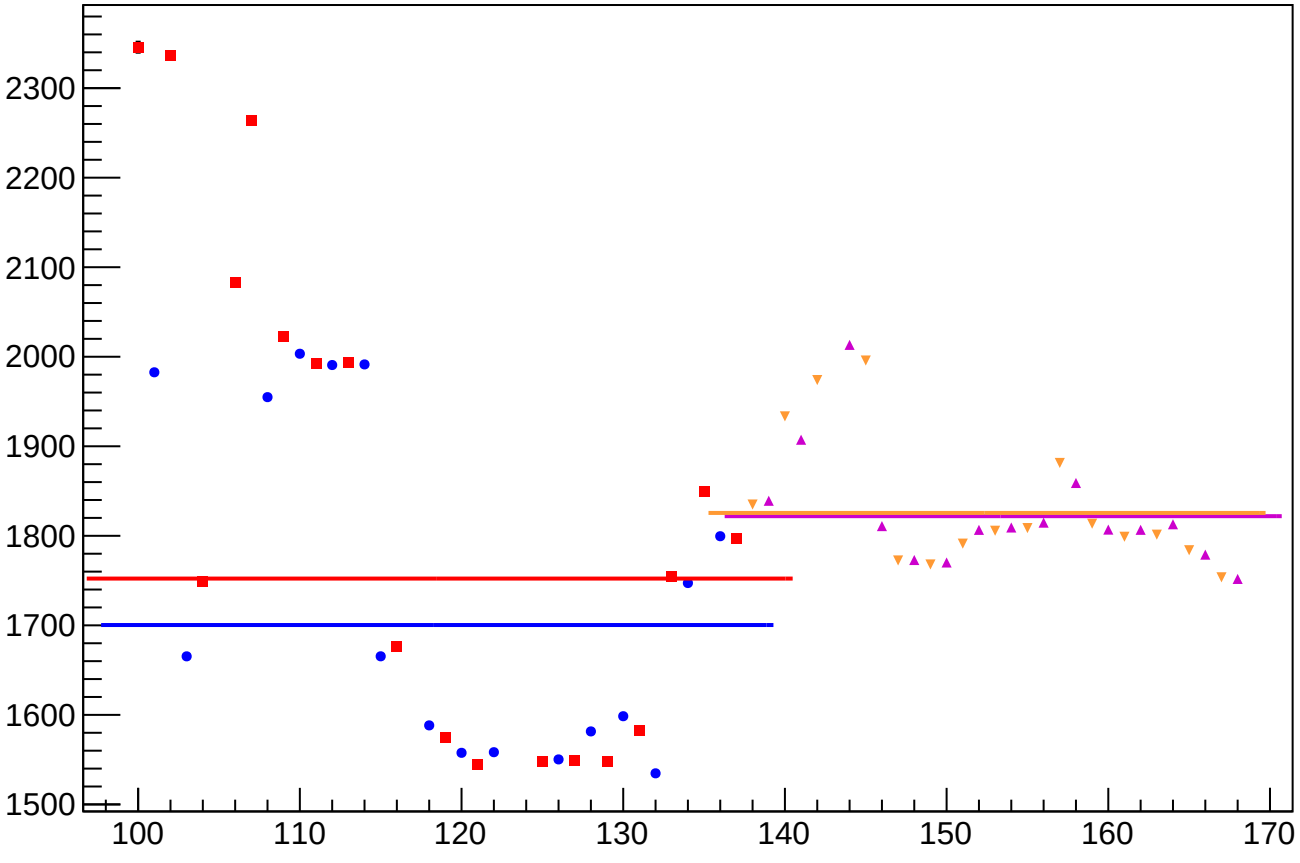
Left In: -2284.978+/-517.488 χ^2/NDF:23.4/14

+ sign 1443.415+/-407.941 χ^2/NDF: 32.8/30

All: -283.275+/-288.295 χ^2/NDF: 110.2/63

- sign -2006.086+/-407.482 χ^2/NDF: 41.6/32

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1825.554+/-0.376 χ^2/NDF:31838.8/14

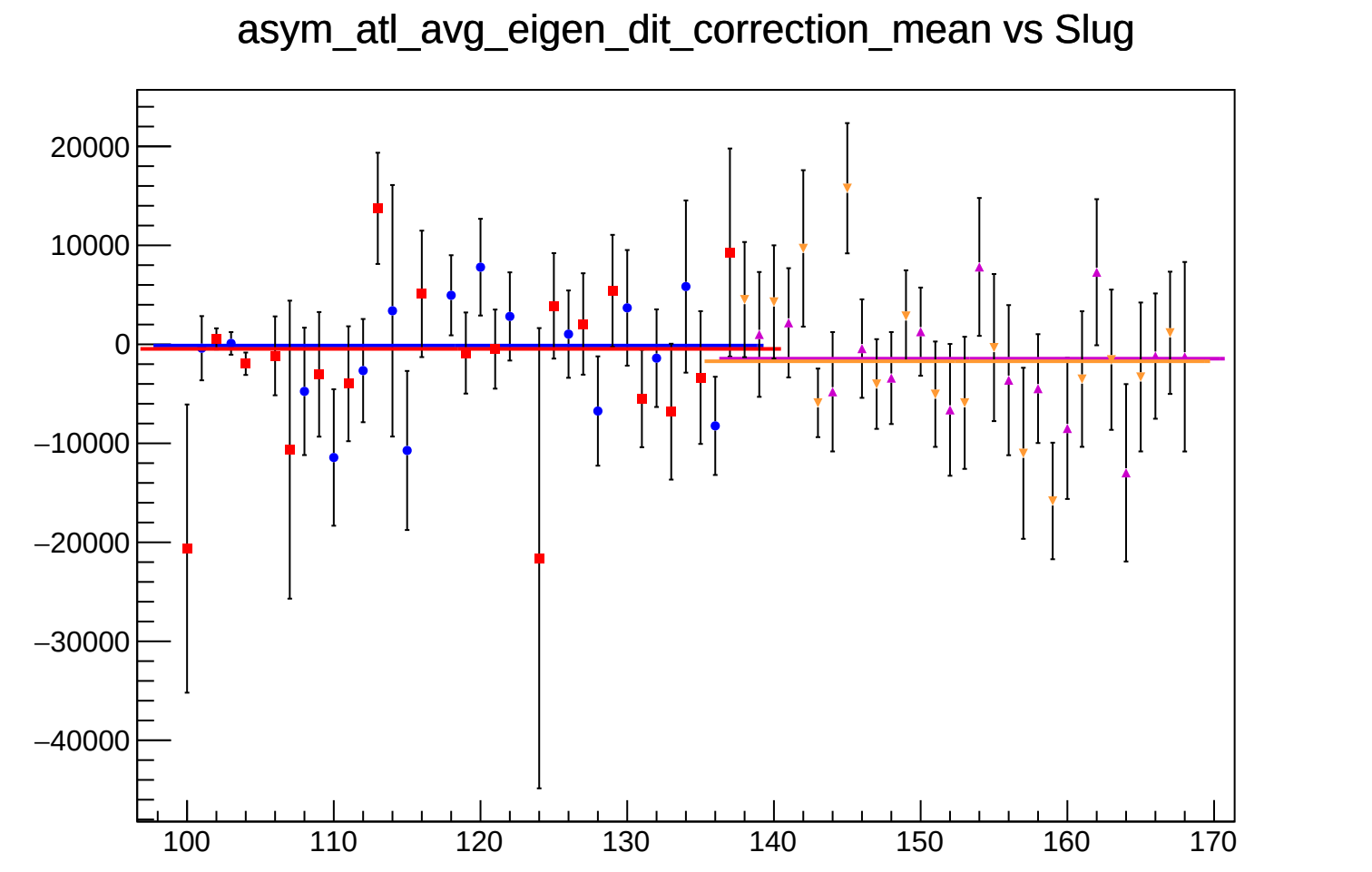
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1821.936+/-0.366 χ^2/NDF:27478.7/14

+ sign 1774.116+/-0.288 χ^2/NDF: 212855.1/30

All: 1784.768+/-0.204 χ^2/NDF: 504832.5/63

- sign 1795.379+/-0.288 χ^2/NDF: 289255.3/32



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1709.278+/-1441.052 χ^2/NDF:22.2/15

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

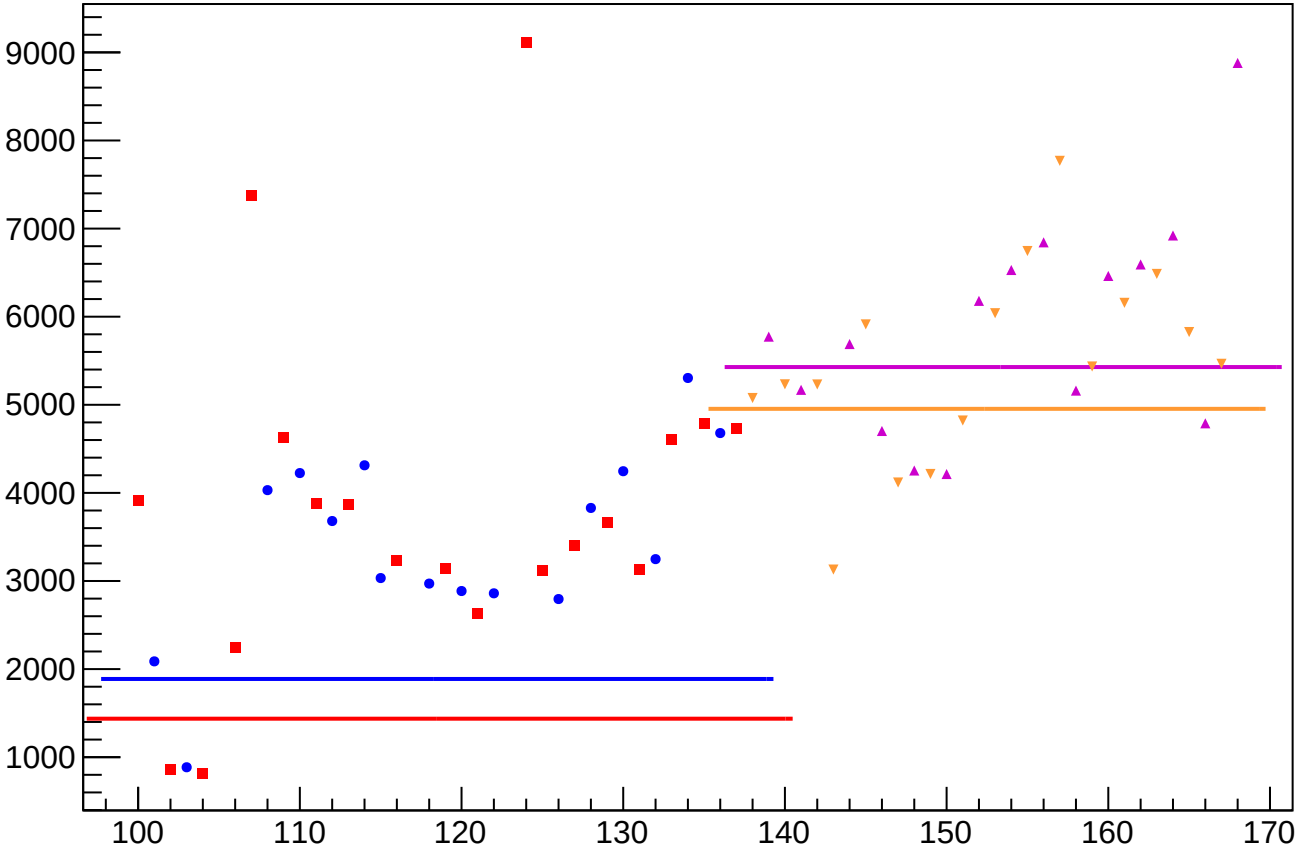
Left In: -1448.288+/-1575.756 χ^2/NDF:8.3/14

+ sign -546.853+/-743.309 χ^2/NDF: 38.1/31

All: -586.460+/-477.780 χ^2/NDF: 65.2/65

- sign -614.345+/-623.689 χ^2/NDF: 27.1/33

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4954.049+/-1.019 χ^2/NDF:1316497.4/15

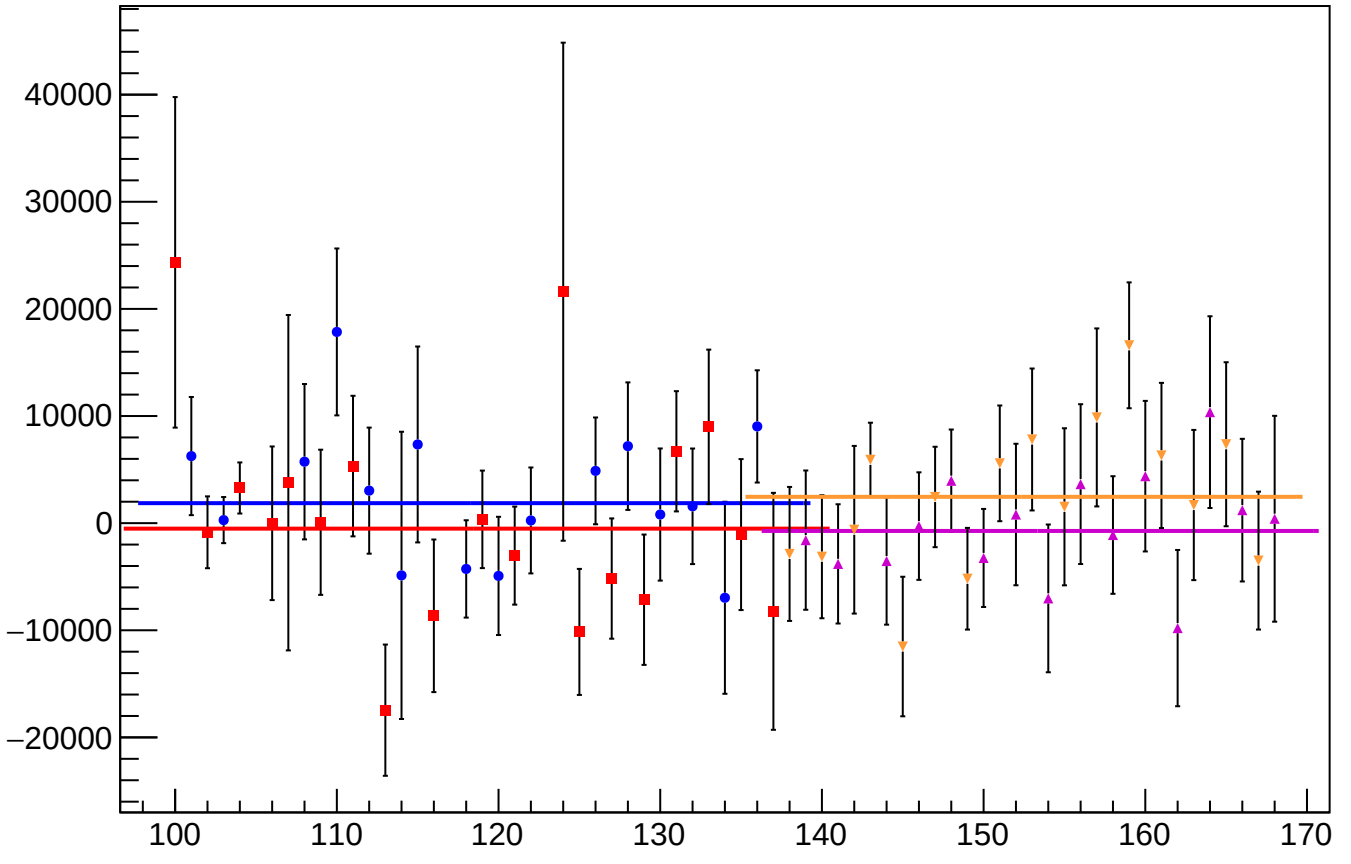
Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5428.362+/-1.114 χ^2/NDF:911009.9/14

+ sign 2703.740+/-0.526 χ^2/NDF: 12387215.2/31

All: 2327.356+/-0.338 χ^2/NDF: 30957522.4/6

- sign 2062.367+/-0.441 χ^2/NDF: 17696465.7/33



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 2457.421+/-1456.335 χ^2/NDF:19.2/15

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

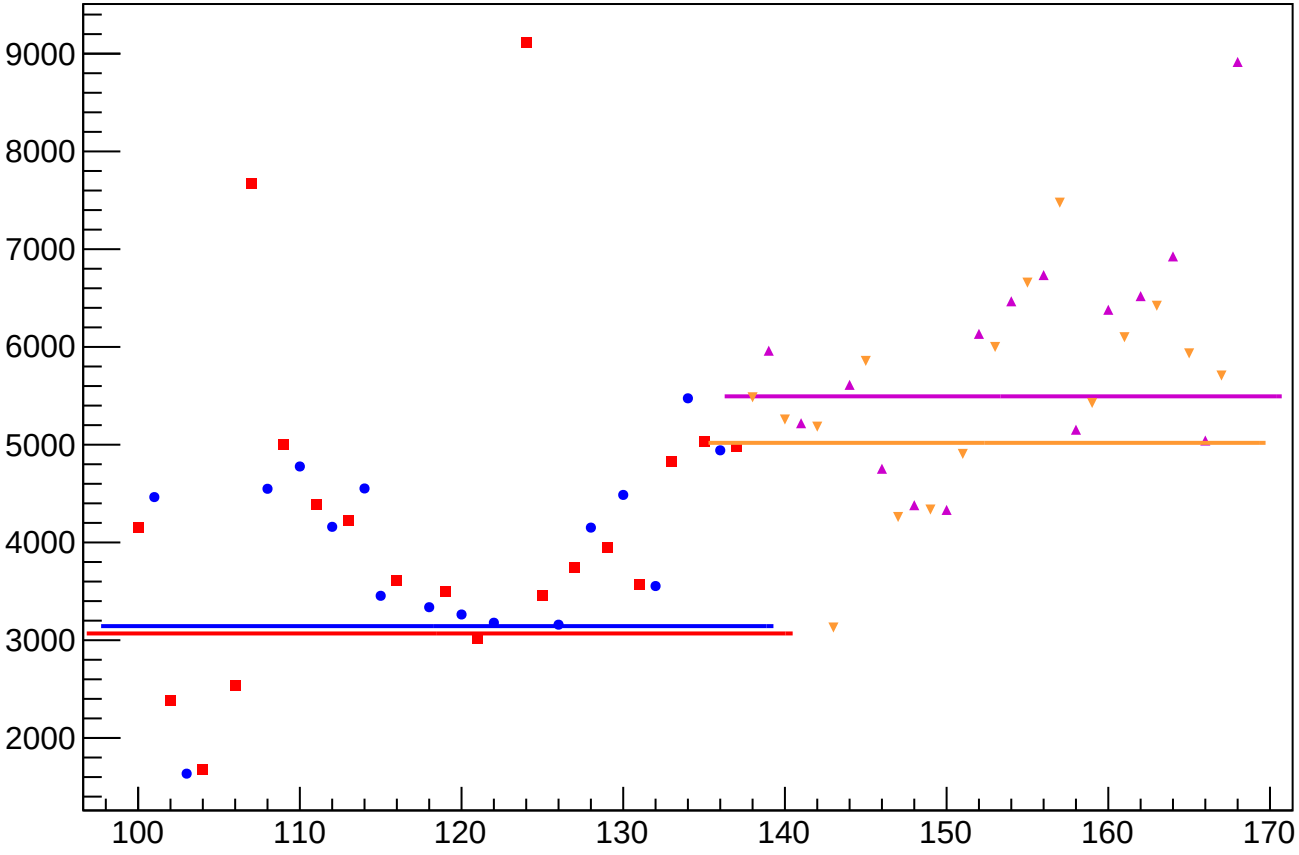
Left In: -727.853+/-1590.229 χ^2/NDF:6.8/14

+ sign 2119.352+/-952.515 χ^2/NDF: 33.1/31

All: 799.283+/-682.564 χ^2/NDF: 68.5/65

- sign -594.071+/-978.598 χ^2/NDF: 31.5/33

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5018.955+/-1.030 χ^2/NDF:1248554.6/15

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

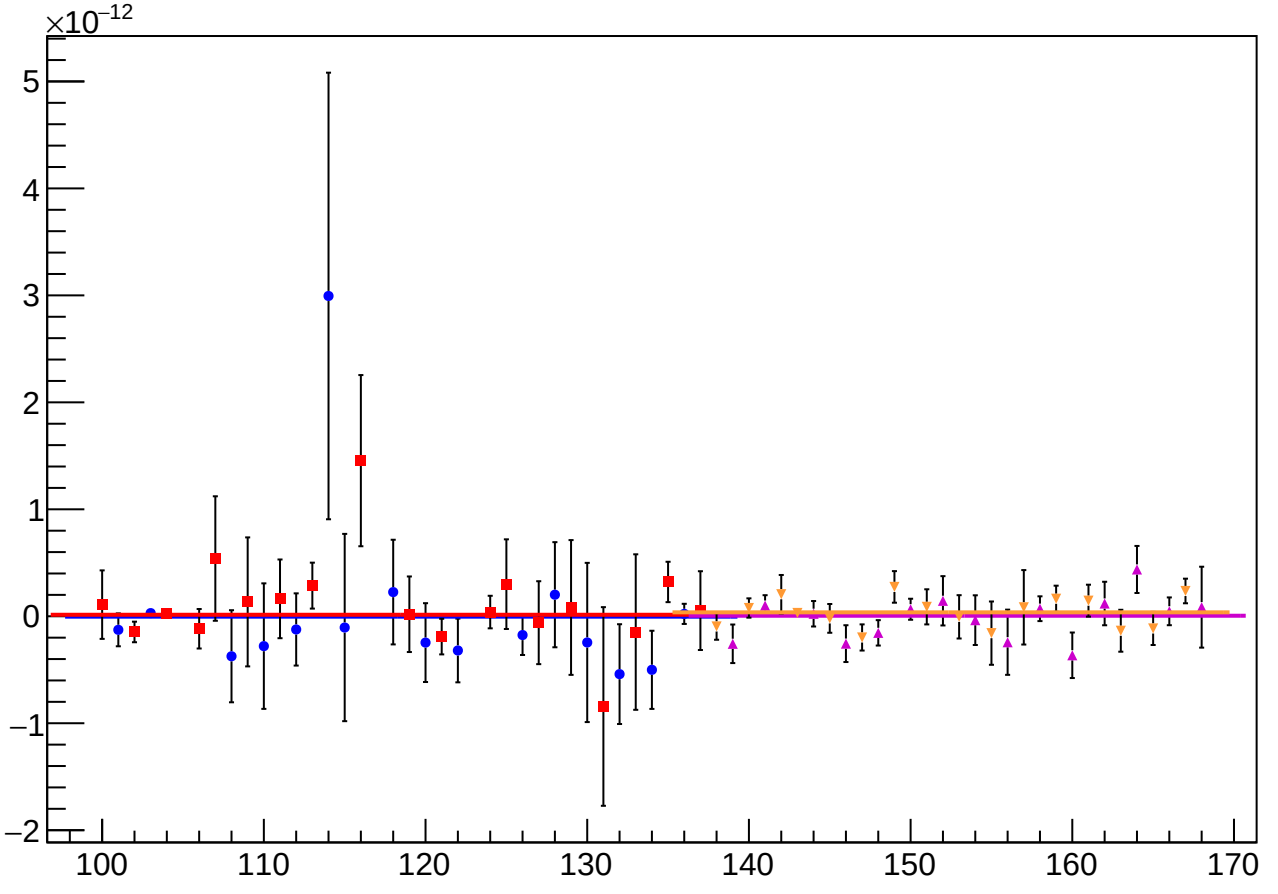
Left In: 5494.693+/-1.124 χ^2/NDF:803447.2/14

+ sign 3946.145+/-0.674 χ^2/NDF: 5028355.1/31

All: 3957.770+/-0.480 χ^2/NDF: 10639333.7/6

- sign 3969.802+/-0.685 χ^2/NDF: 5610372.3/33

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:15.7/15

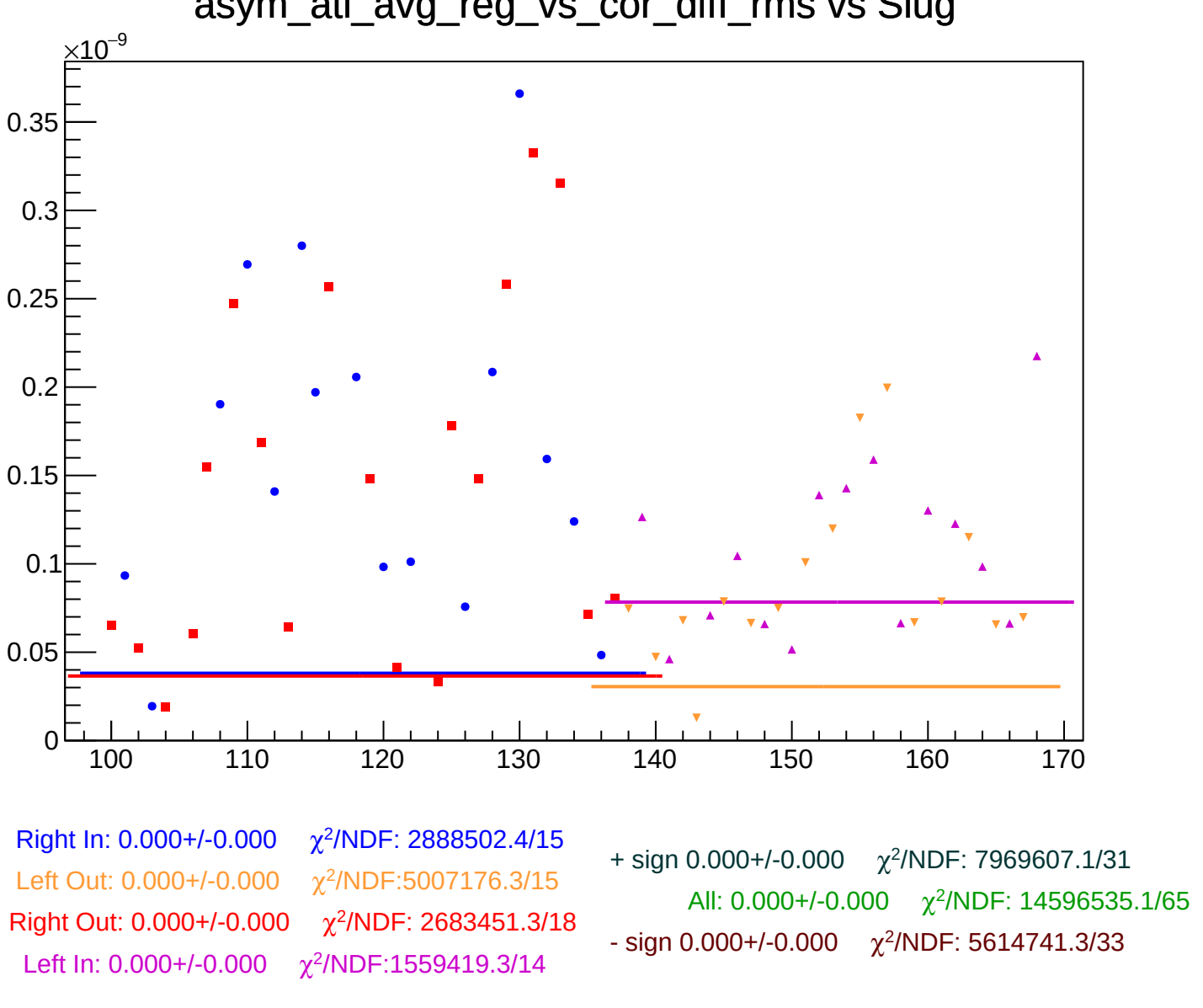
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

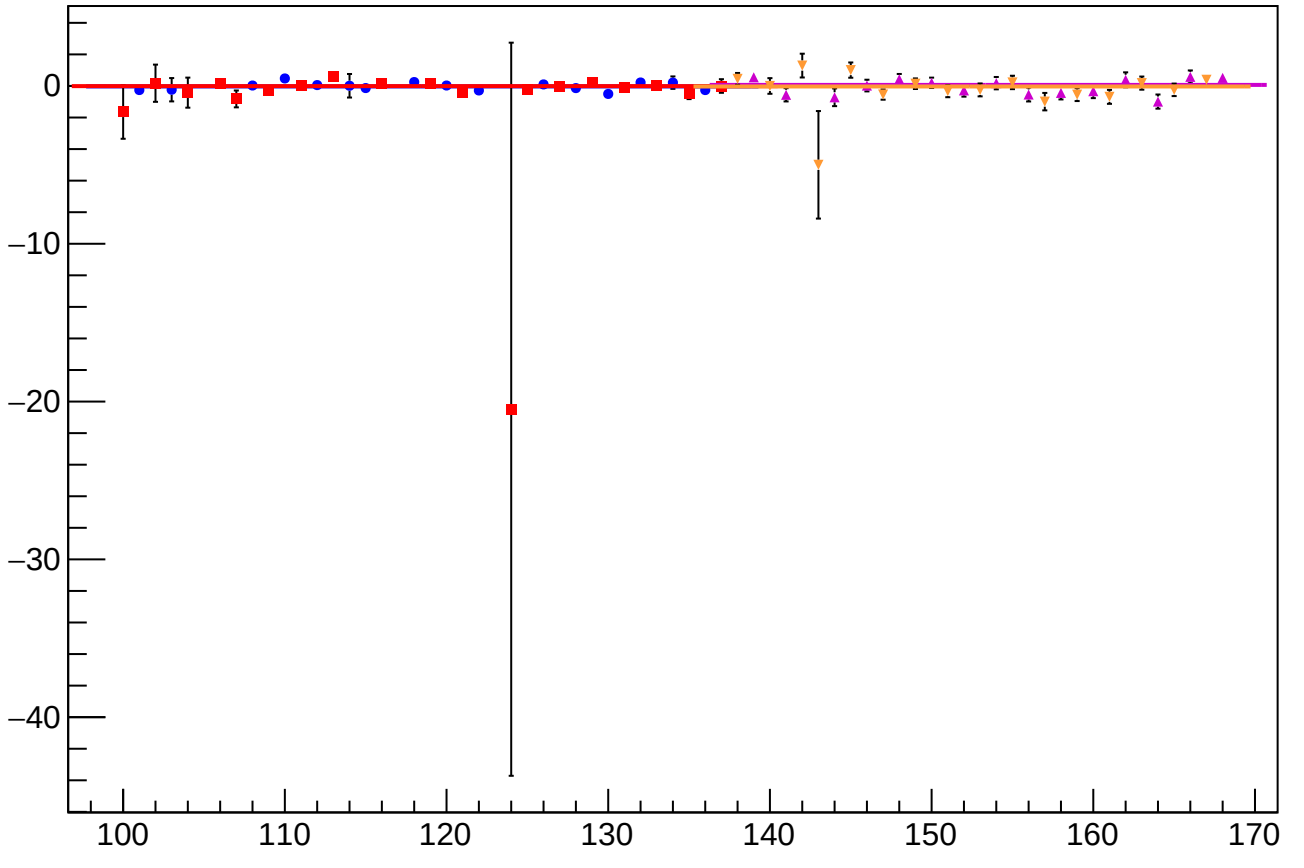
Left In: 0.000+/-0.000 χ^2/NDF:16.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/31

All: 0.000+/-0.000 χ^2/NDF: 58.9/65

- sign 0.000+/-0.000 χ^2/NDF: 31.3/33


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:5007176.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:1559419.3/14
+ sign 0.000+/-0.000 χ²/NDF: 7969607.1/31
All: 0.000+/-0.000 χ²/NDF: 14596535.1/65
- sign 0.000+/-0.000 χ²/NDF: 5614741.3/33



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.032+/-0.104 χ^2/NDF:25.0/15

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

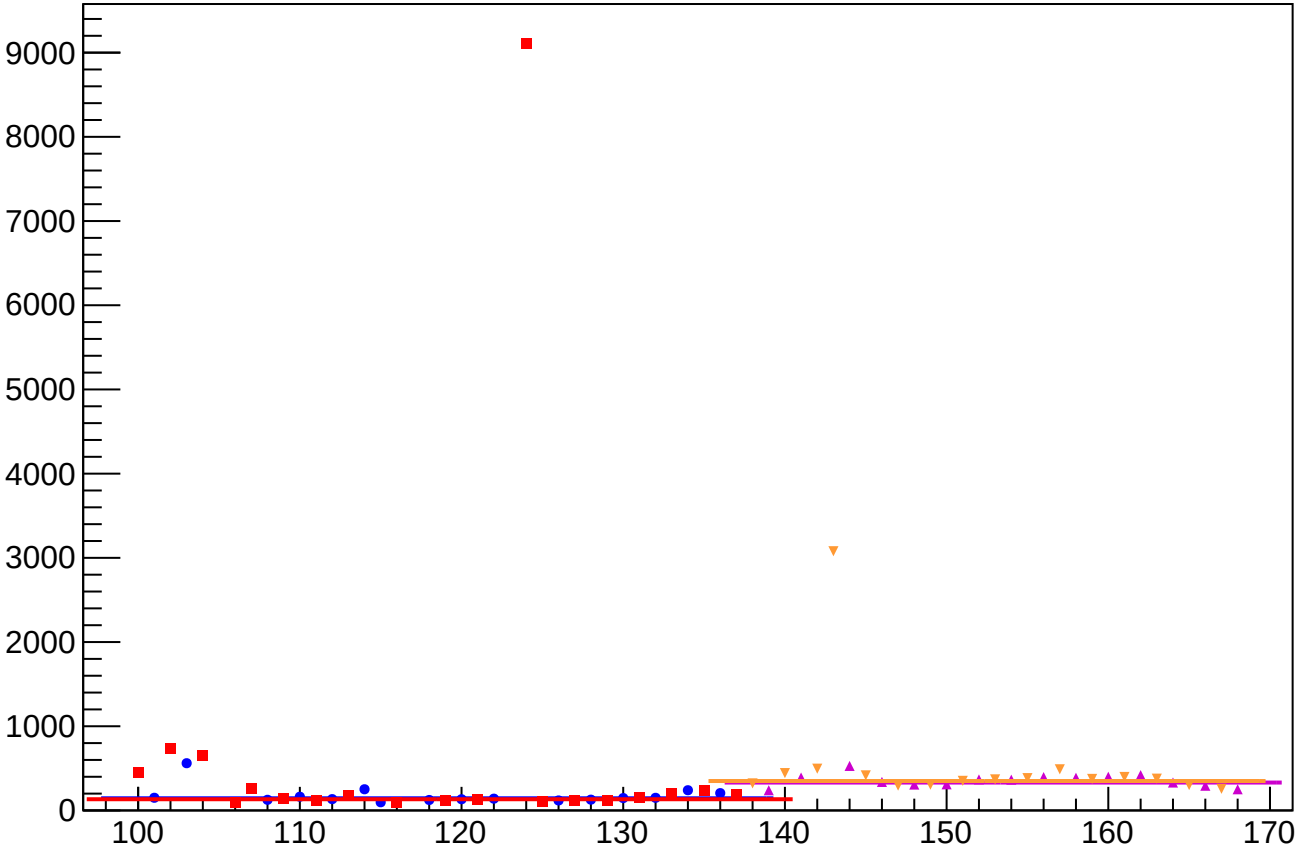
Left In: 0.067+/-0.098 χ^2/NDF:23.8/14

+ sign -0.030+/-0.051 χ^2/NDF: 42.2/31

All: -0.010+/-0.035 χ^2/NDF: 88.6/65

- sign 0.009+/-0.049 χ^2/NDF: 46.1/33

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 349.542+/-0.074 χ^2/NDF:1986922.8/15

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

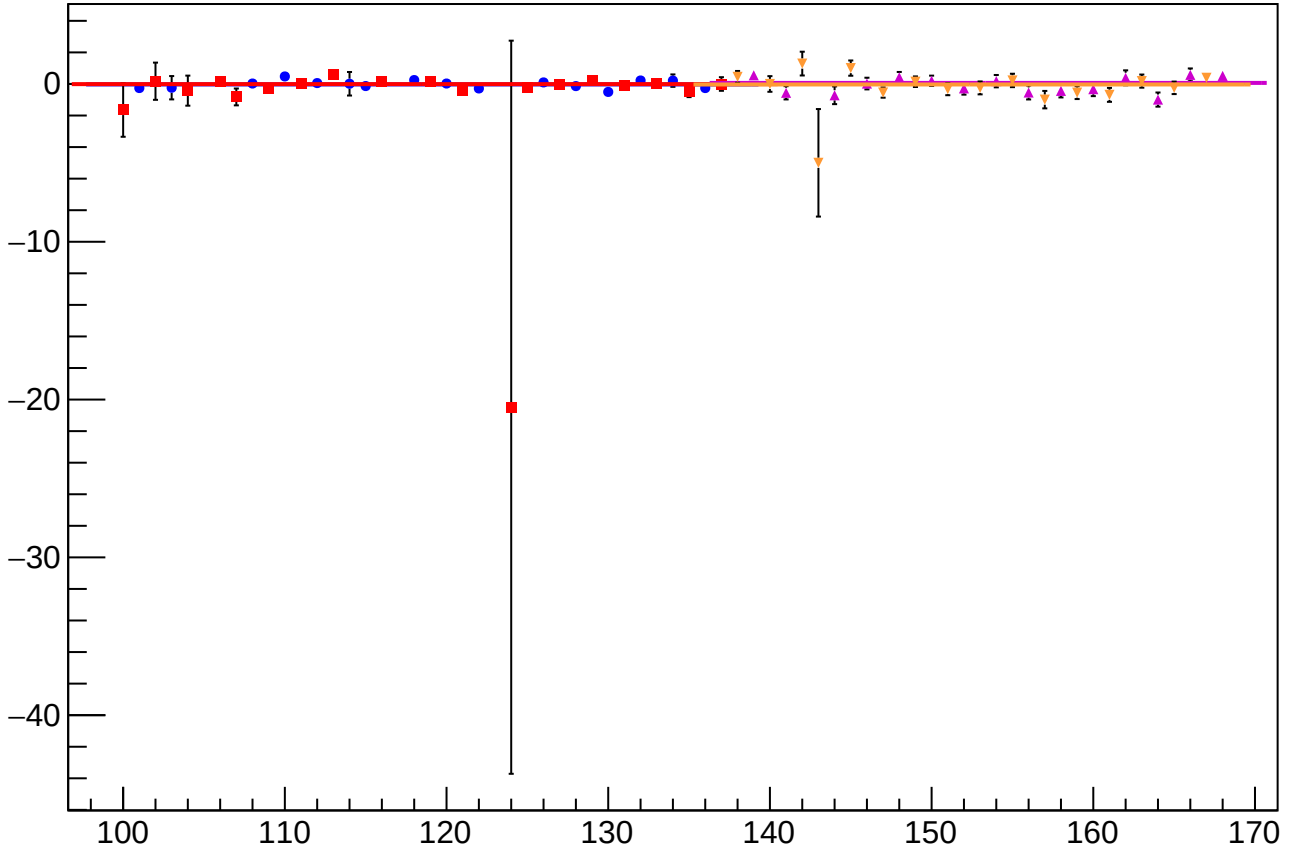
Left In: 331.349+/-0.069 χ^2/NDF:947097.7/14

+ sign 192.697+/-0.036 χ^2/NDF: 9057960.3/31

All: 187.689+/-0.025 χ^2/NDF: 18435439.2/65

- sign 183.002+/-0.035 χ^2/NDF: 9339477.9/33

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: -0.032+/-0.104 χ^2/NDF:25.0/15

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

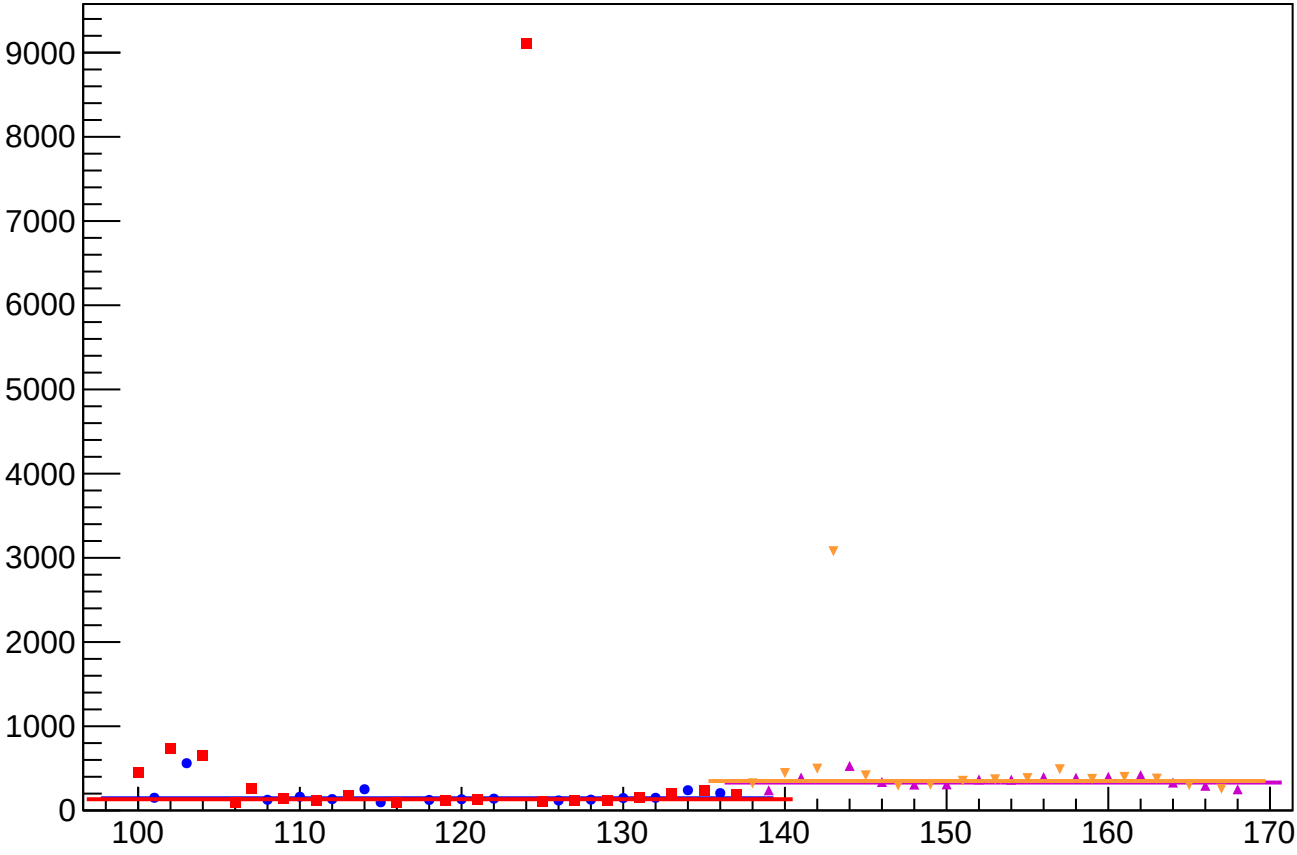
Left In: 0.067+/-0.098 χ^2/NDF:23.8/14

+ sign -0.030+/-0.051 χ^2/NDF: 42.2/31

All: -0.010+/-0.035 χ^2/NDF: 88.6/65

- sign 0.009+/-0.049 χ^2/NDF: 46.1/33

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: 349.542+/-0.074 χ^2/NDF:1986922.8/15

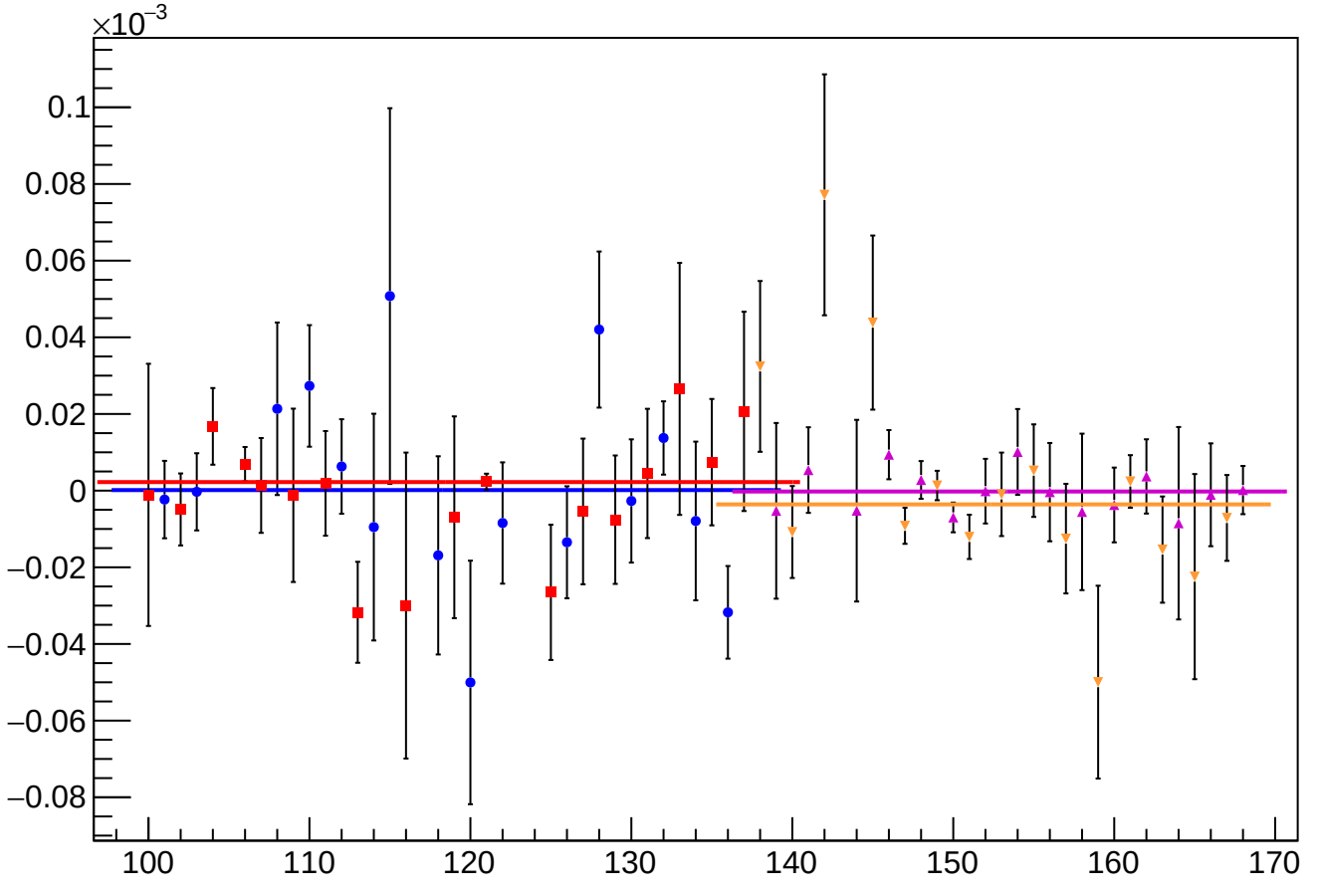
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 331.349+/-0.069 χ^2/NDF:947097.7/14

+ sign 192.697+/-0.036 χ^2/NDF: 9057960.3/31

All: 187.689+/-0.025 χ^2/NDF: 18435439.2/65

- sign 183.002+/-0.035 χ^2/NDF: 9339477.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

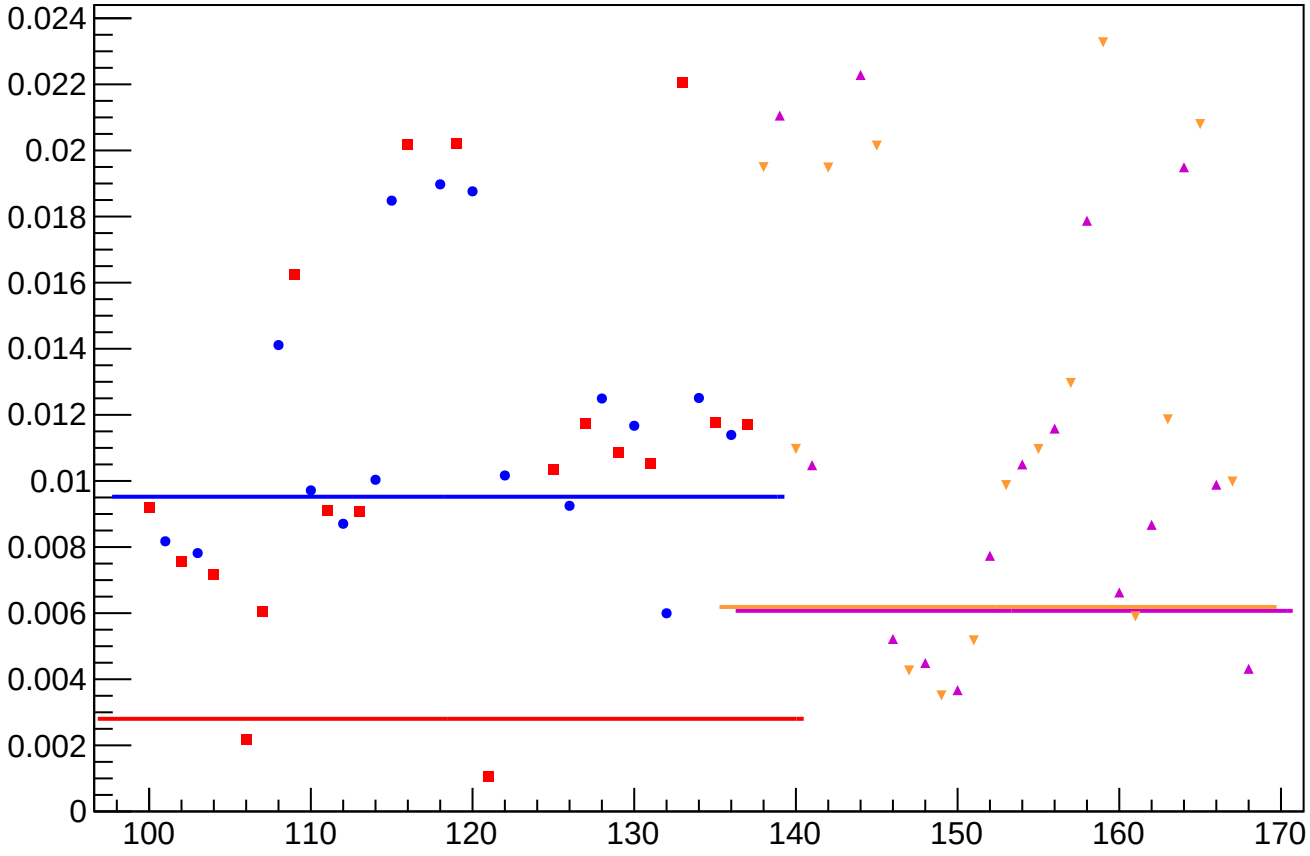
Left In: -0.000+/-0.000 χ^2/NDF:7.3/14

+ sign -0.000+/-0.000 χ^2/NDF: 49.2/30

All: -0.000+/-0.000 χ^2/NDF: 75.8/63

- sign 0.000+/-0.000 χ^2/NDF: 23.7/32

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:6591833.0/14

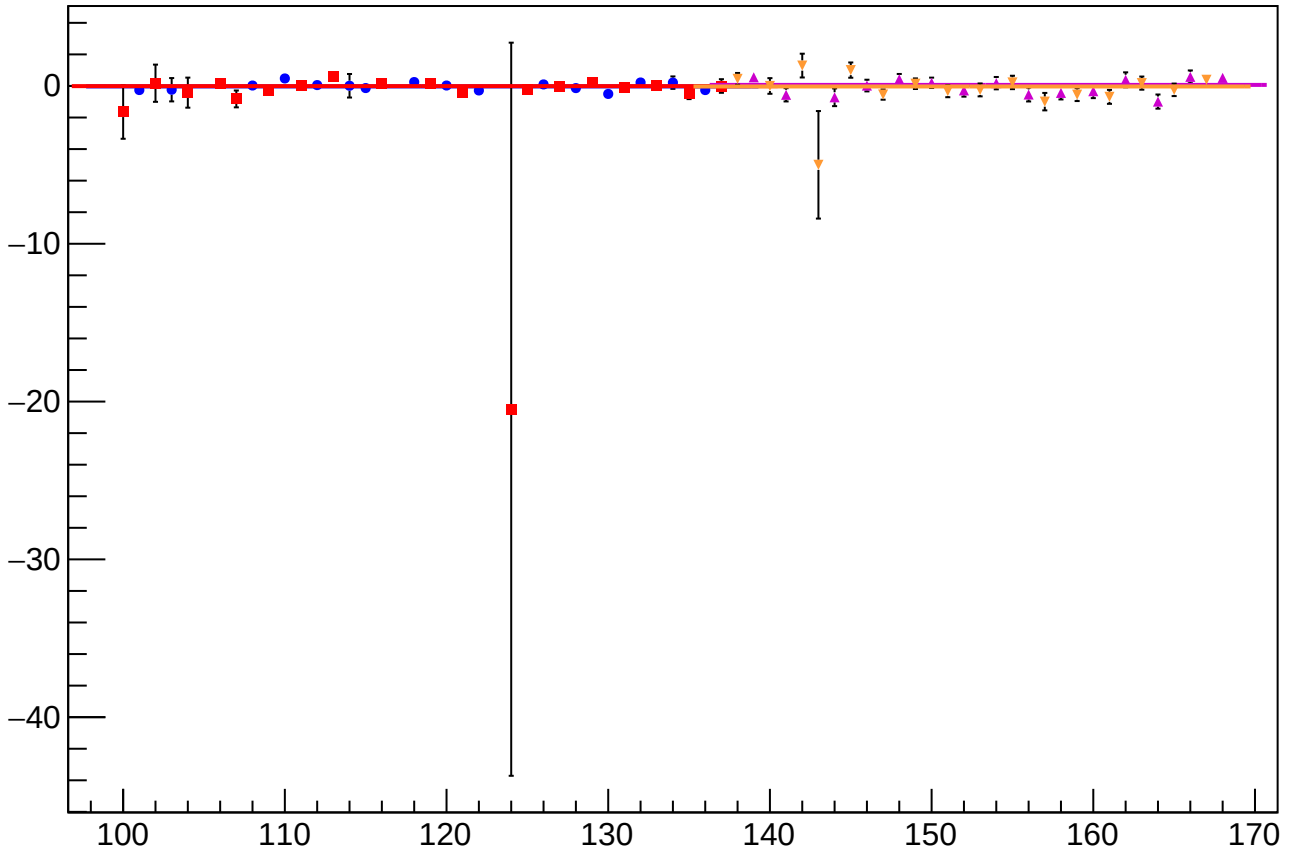
Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:5578442.3/14

+ sign 0.007+/-0.000 χ^2/NDF: 8912724.6/30

All: 0.005+/-0.000 χ^2/NDF: 29160217.5/63

- sign 0.004+/-0.000 χ^2/NDF: 17052373.9/32



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.032+/-0.104 χ^2/NDF:25.0/15

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

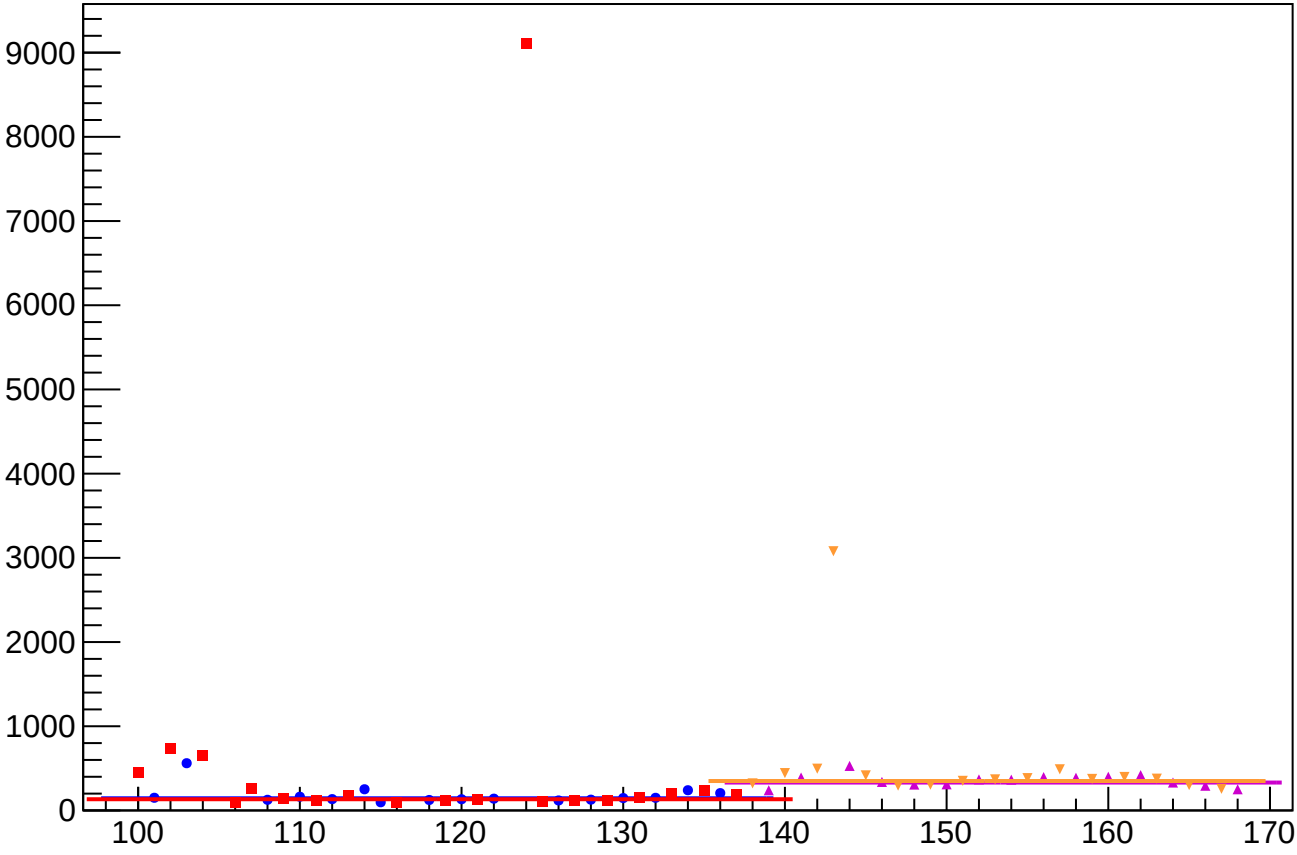
Left In: 0.067+/-0.098 χ^2/NDF:23.8/14

+ sign -0.030+/-0.051 χ^2/NDF: 42.2/31

All: -0.010+/-0.035 χ^2/NDF: 88.6/65

- sign 0.009+/-0.049 χ^2/NDF: 46.1/33

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: 349.547+/-0.074 χ^2/NDF:1986960.5/15

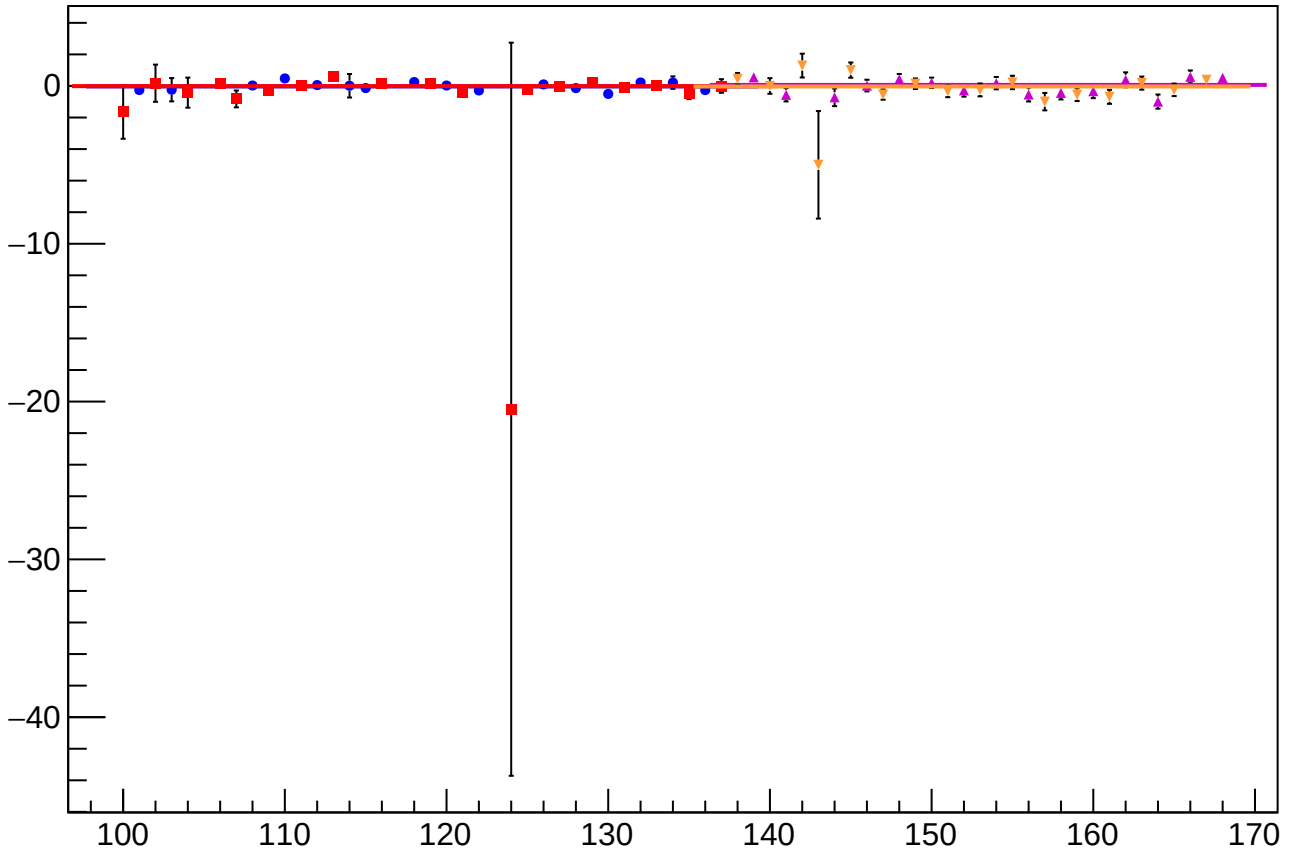
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 331.354+/-0.069 χ^2/NDF:947099.3/14

+ sign 192.695+/-0.036 χ^2/NDF: 9058272.9/31

All: 187.688+/-0.025 χ^2/NDF: 18435932.4/65

- sign 183.001+/-0.035 χ^2/NDF: 9339665.0/33



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.032+/-0.104 χ^2/NDF:25.0/15

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

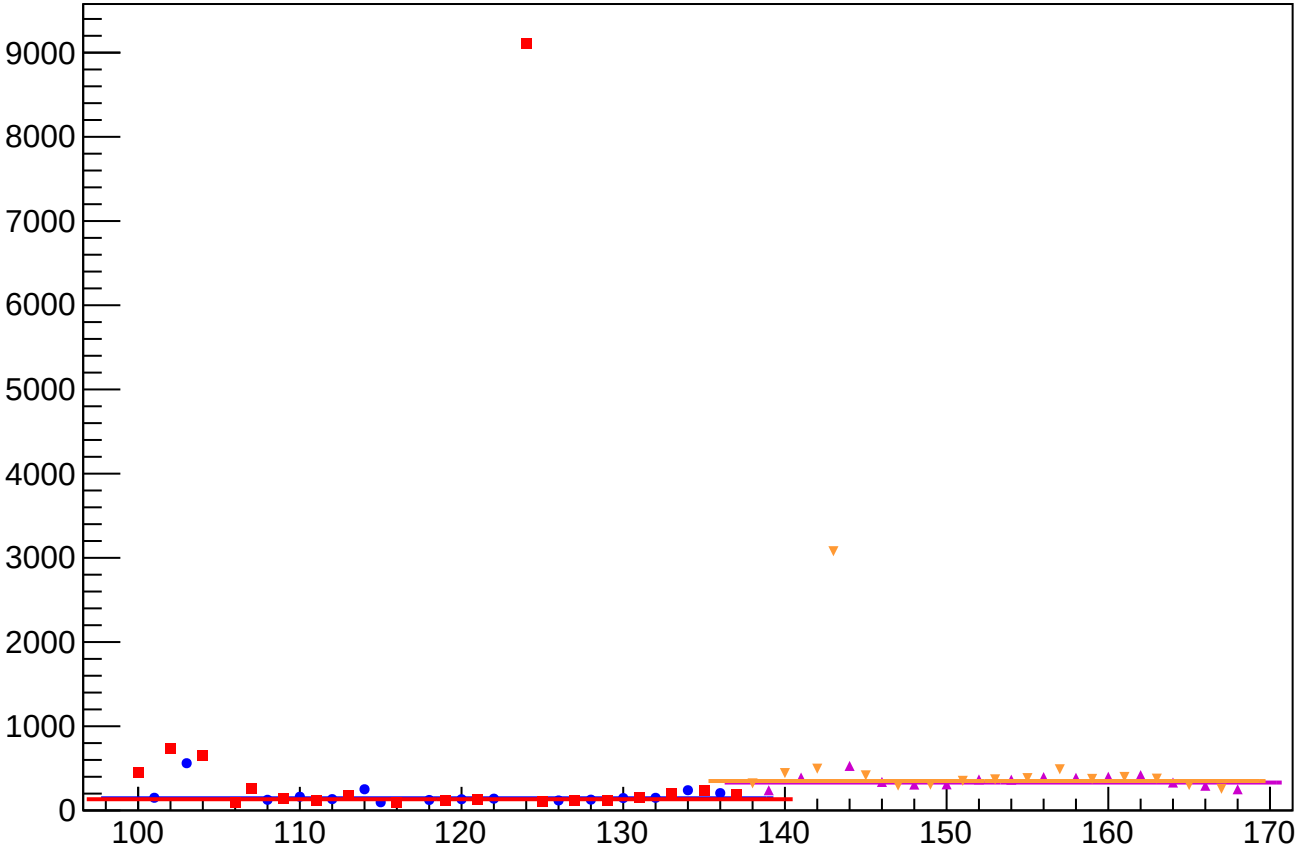
Left In: 0.067+/-0.098 χ^2/NDF:23.8/14

+ sign -0.030+/-0.051 χ^2/NDF: 42.2/31

All: -0.010+/-0.035 χ^2/NDF: 88.6/65

- sign 0.009+/-0.049 χ^2/NDF: 46.1/33

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: 349.547+/-0.074 χ^2/NDF:1986960.5/15

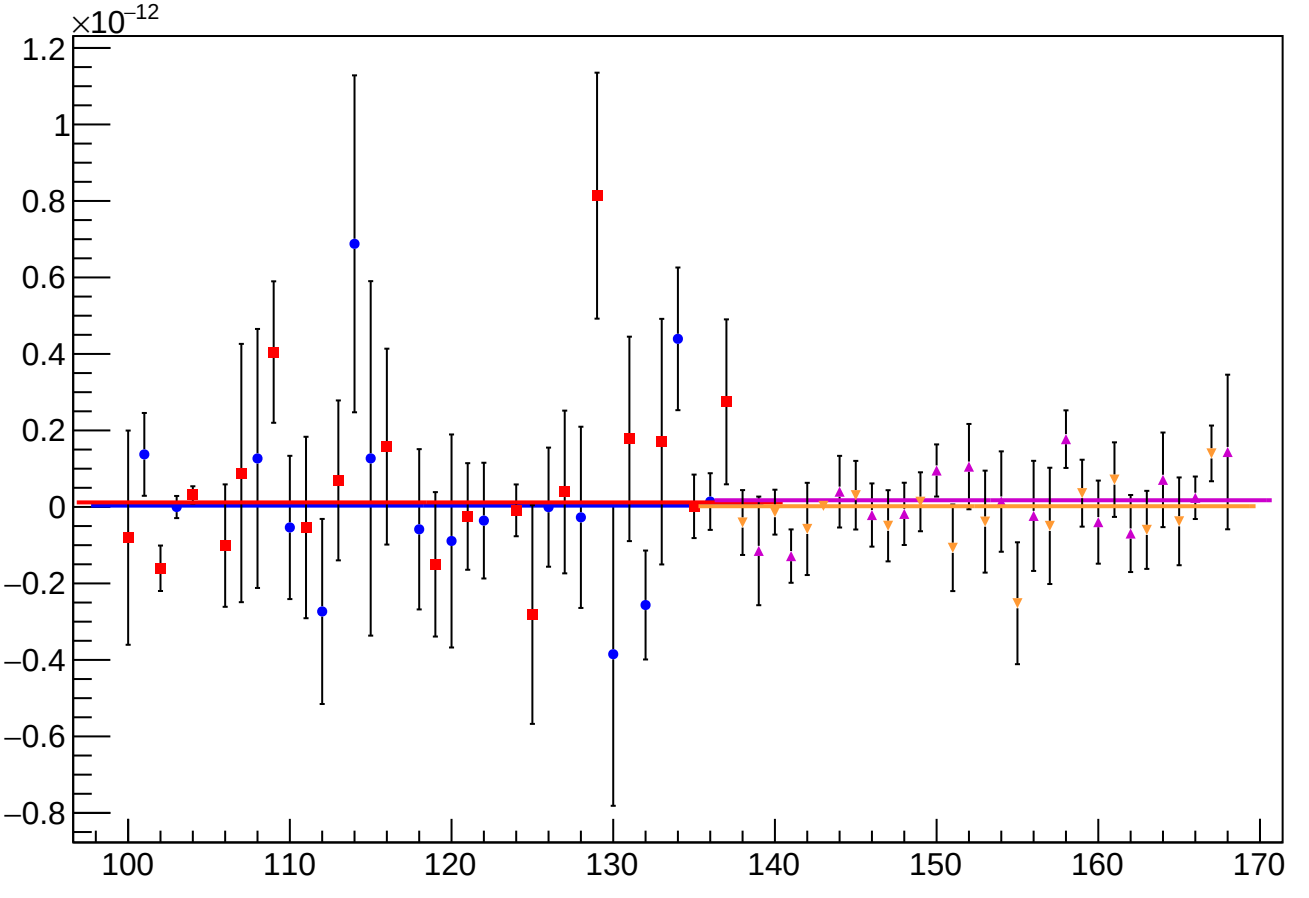
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 331.354+/-0.069 χ^2/NDF:947099.3/14

+ sign 192.695+/-0.036 χ^2/NDF: 9058272.9/31

All: 187.688+/-0.025 χ^2/NDF: 18435932.4/65

- sign 183.001+/-0.035 χ^2/NDF: 9339665.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

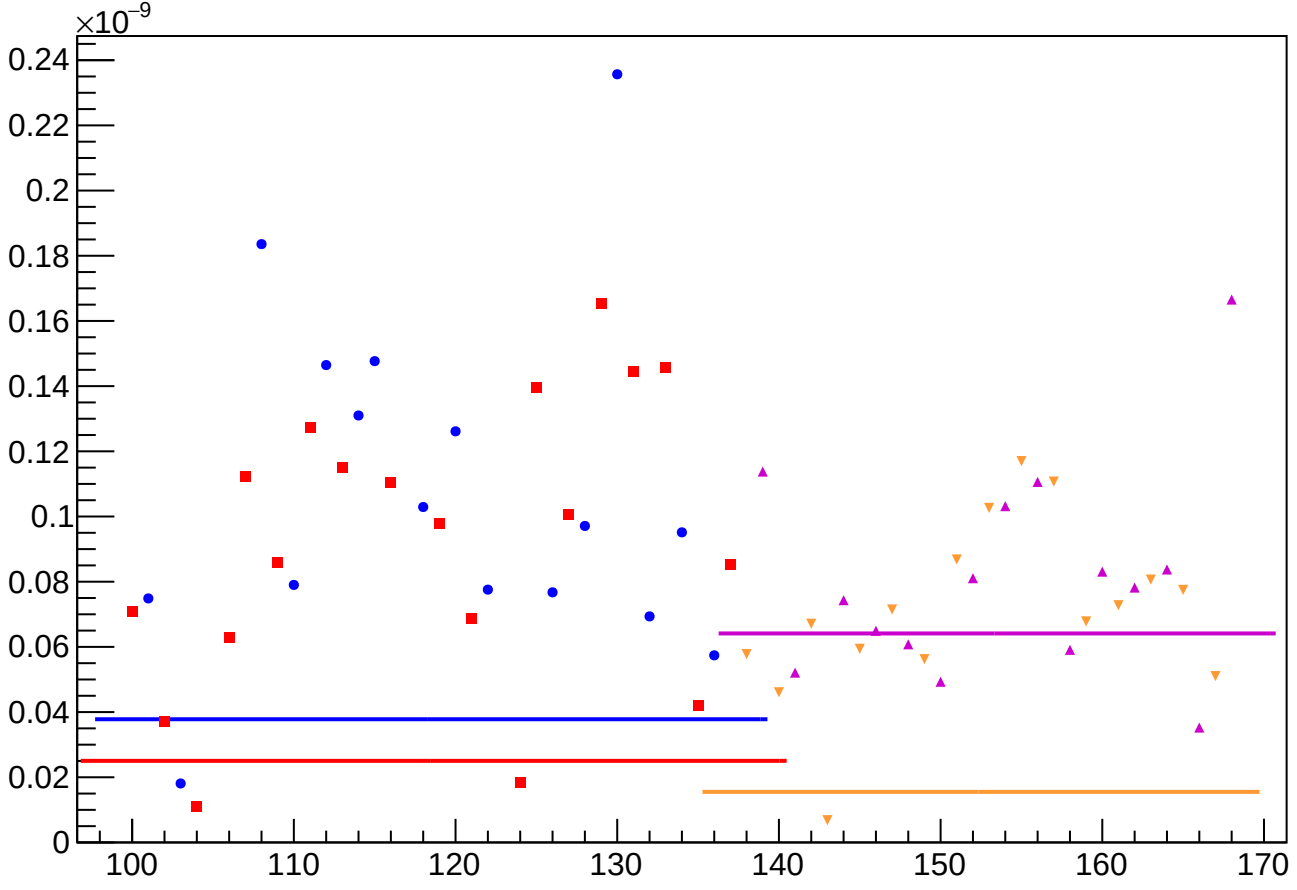
Left In: 0.000+/-0.000 χ^2/NDF:13.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 25.0/31

All: 0.000+/-0.000 χ^2/NDF: 64.5/65

- sign 0.000+/-0.000 χ^2/NDF: 39.0/33

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:11184589.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

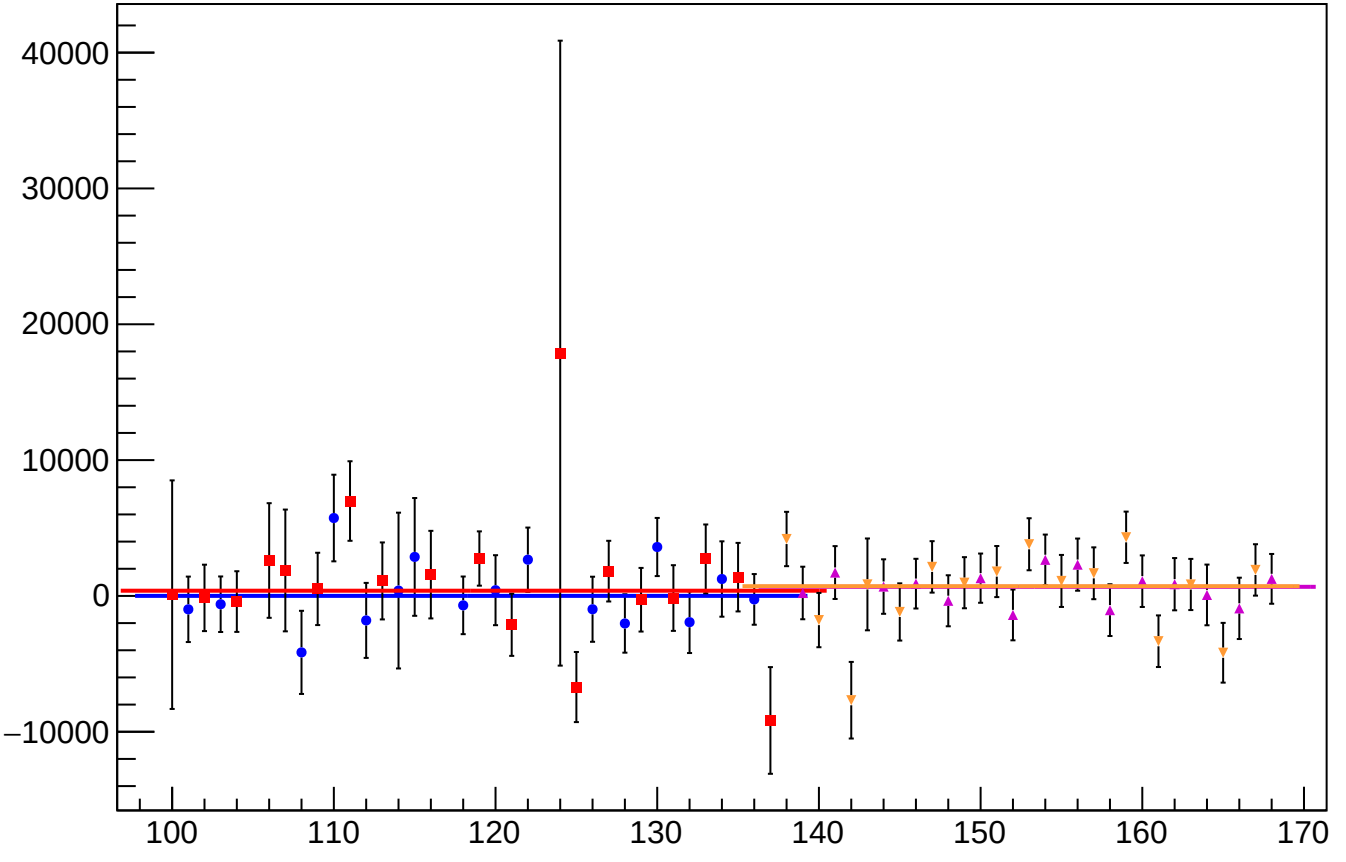
Left In: 0.000+/-0.000 χ^2/NDF:2071142.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 16635479.1/31

All: 0.000+/-0.000 χ^2/NDF: 30175054.1/65

- sign 0.000+/-0.000 χ^2/NDF: 10218160.8/33

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 716.316+/-504.582 χ^2/NDF:31.6/15

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

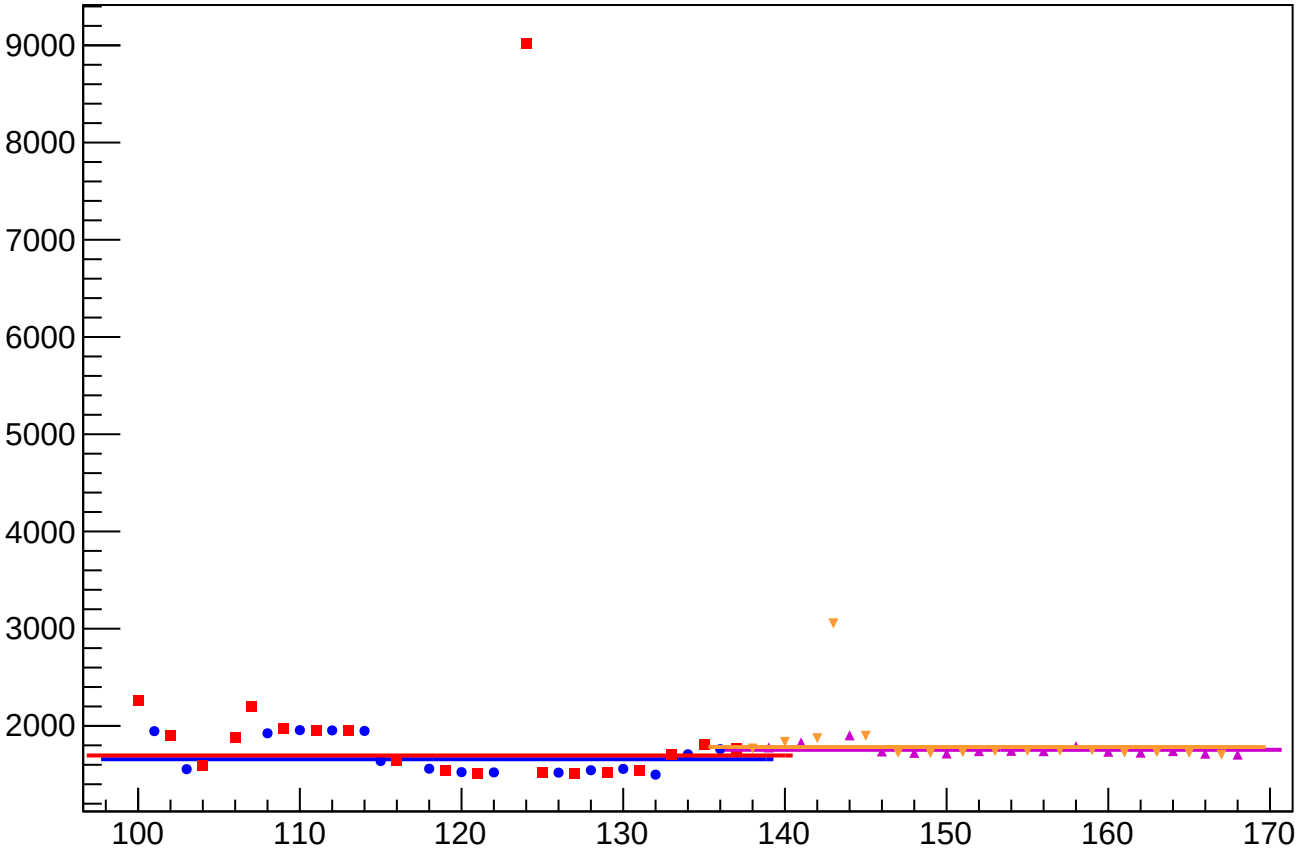
Left In: 671.096+/-498.112 χ^2/NDF:5.4/14

+ sign 432.599+/-391.332 χ^2/NDF: 44.8/31

All: 497.124+/-276.811 χ^2/NDF: 74.5/65

- sign 561.740+/-391.609 χ^2/NDF: 29.6/33

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1782.817+/-0.357 χ^2/NDF:310135.6/15

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

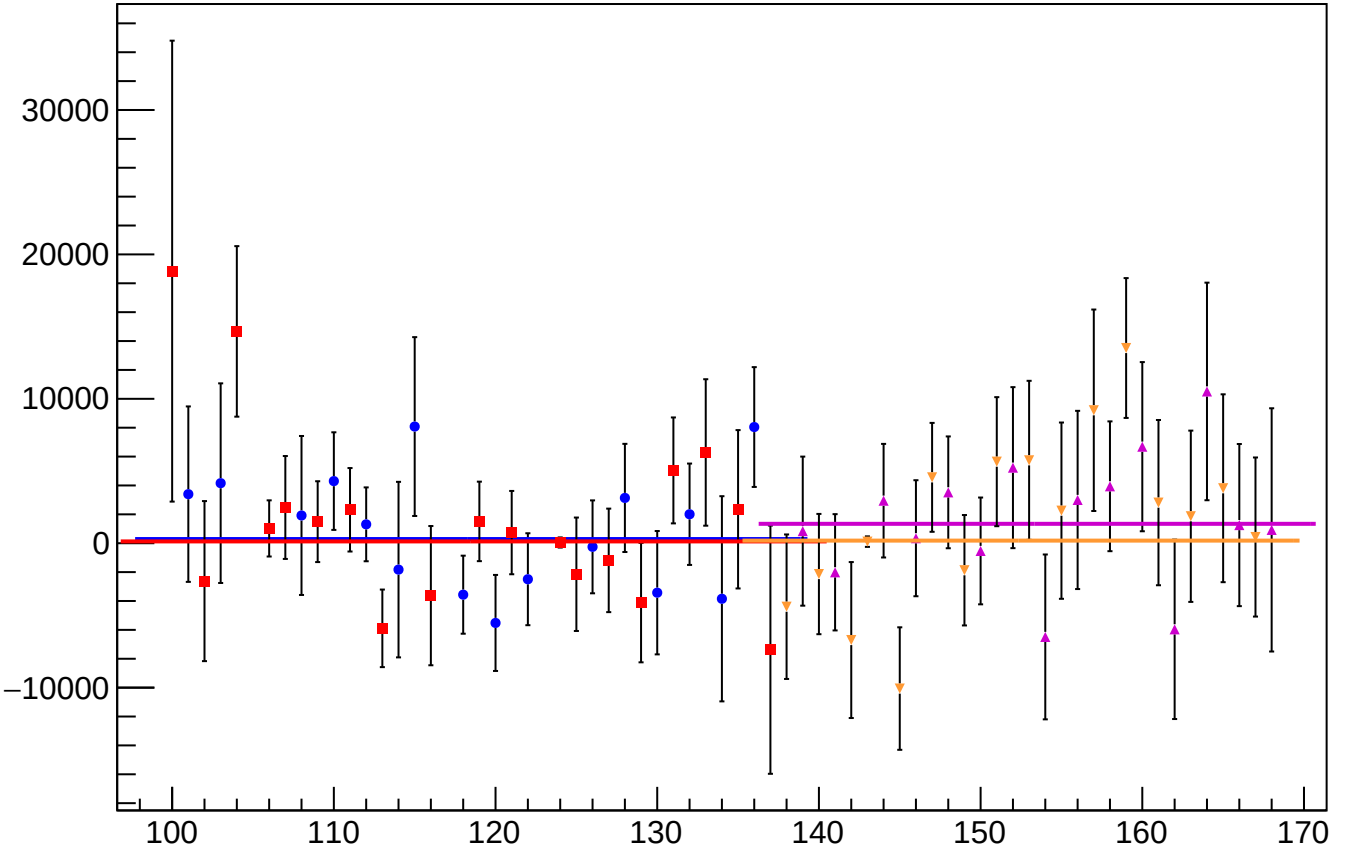
Left In: 1754.184+/-0.352 χ^2/NDF:19812.3/14

+ sign 1732.725+/-0.277 χ^2/NDF: 503579.1/31

All: 1732.212+/-0.196 χ^2/NDF: 920222.8/65

- sign 1731.701+/-0.276 χ^2/NDF: 416636.8/33

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 181.598+/-350.130 χ^2/NDF:22.8/15

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

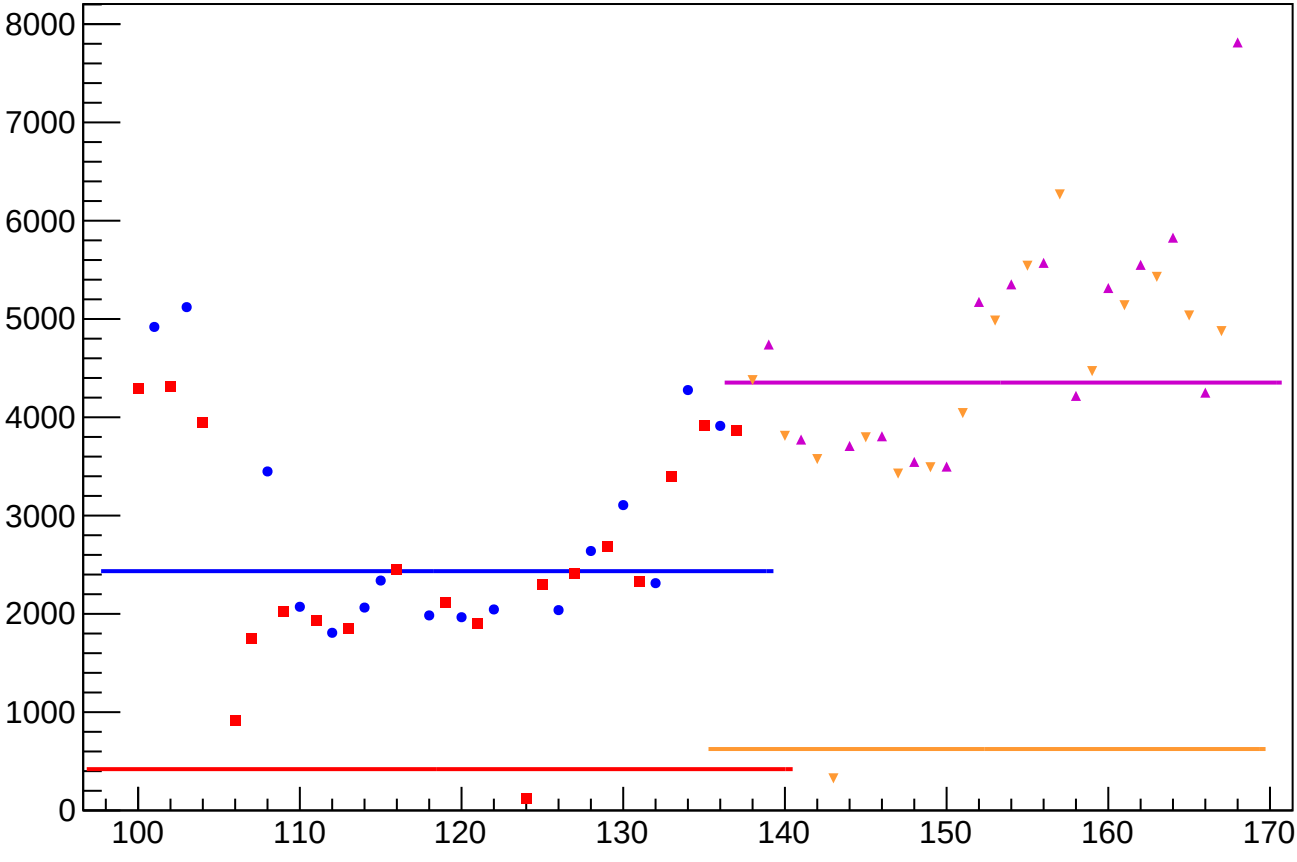
Left In: 1343.851+/-1267.066 χ^2/NDF:8.0/14

+ sign 194.214+/-328.979 χ^2/NDF: 38.0/31

All: 197.366+/-227.006 χ^2/NDF: 67.7/65

- sign 200.232+/-313.640 χ^2/NDF: 29.7/33

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 624.955+/-0.248 χ^2/NDF:18543567.4/15

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

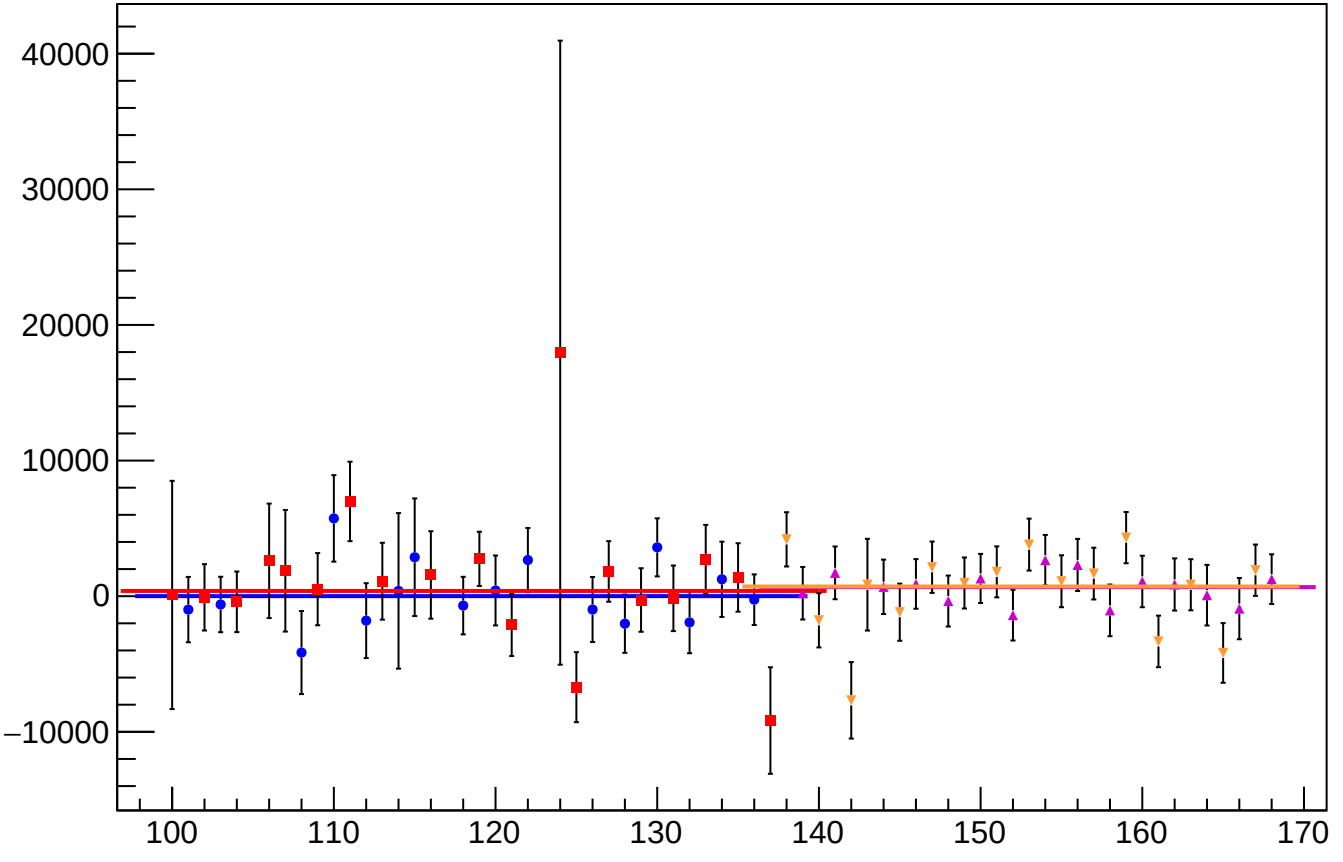
Left In: 4353.035+/-0.896 χ^2/NDF:1064869.1/14

+ sign 836.994+/-0.233 χ^2/NDF: 26261354.7/31

All: 744.936+/-0.161 χ^2/NDF: 56775974.6/65

- sign 661.261+/-0.222 χ^2/NDF: 30215661.4/33

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 716.260+/-504.582 χ^2/NDF:31.6/15

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

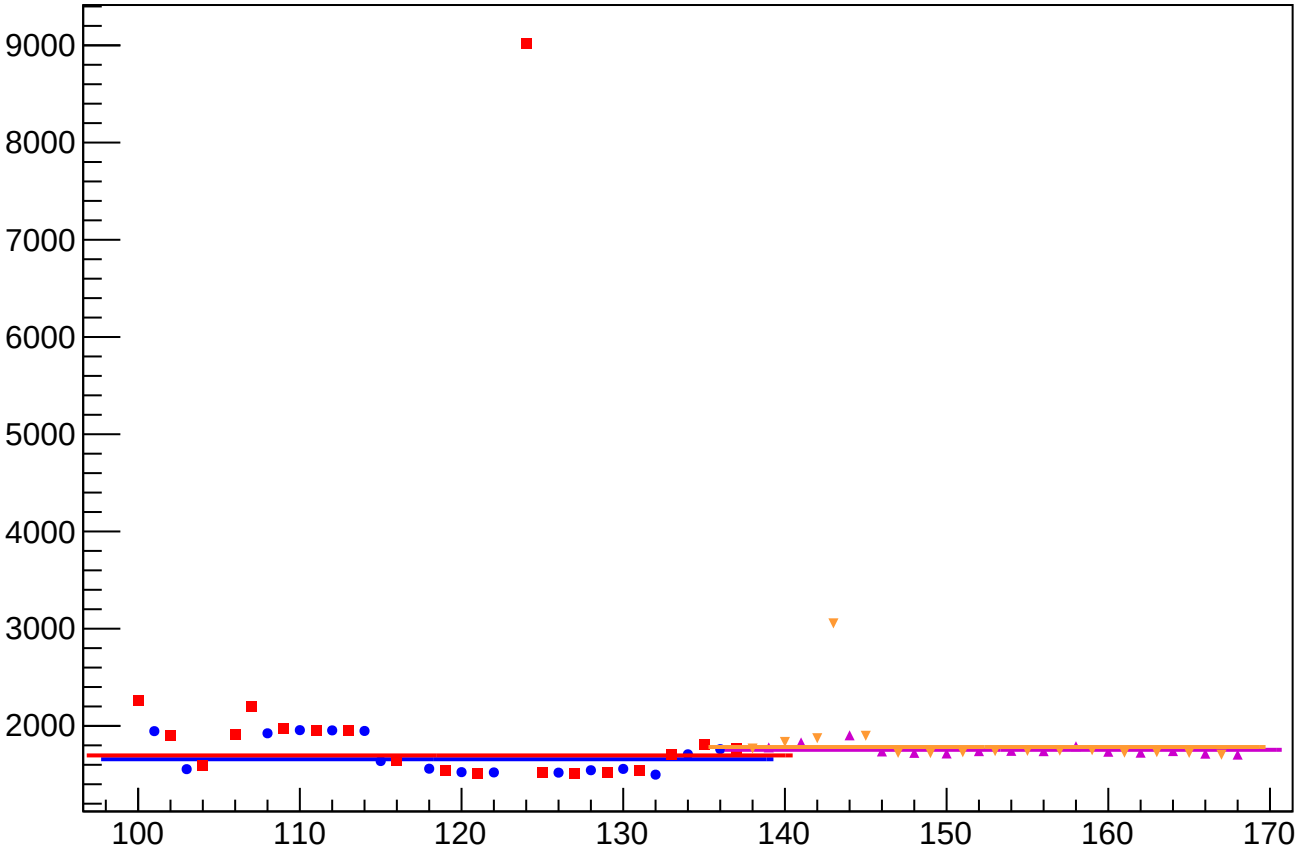
Left In: 671.125+/-498.112 χ^2/NDF:5.4/14

+ sign 432.534+/-391.332 χ^2/NDF: 44.8/31

All: 497.921+/-276.812 χ^2/NDF: 74.5/65

- sign 563.401+/-391.610 χ^2/NDF: 29.6/33

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1782.817+/-0.357 χ^2/NDF:310135.6/15

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

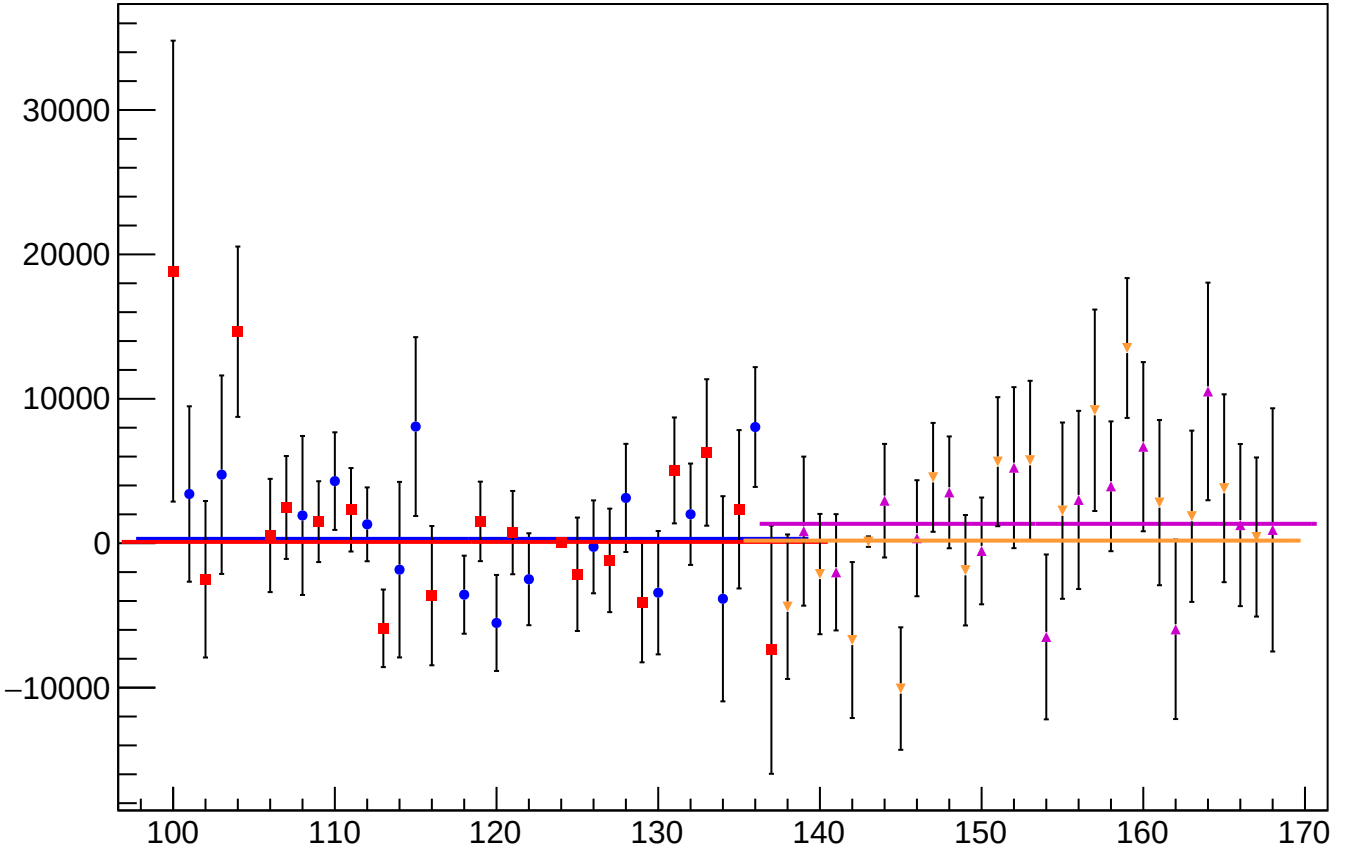
Left In: 1754.184+/-0.352 χ^2/NDF:19812.3/14

+ sign 1732.725+/-0.277 χ^2/NDF: 503579.3/31

All: 1732.372+/-0.196 χ^2/NDF: 921685.8/65

- sign 1732.019+/-0.276 χ^2/NDF: 418103.2/33

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 182.028+/-350.105 χ^2/NDF:22.8/15

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

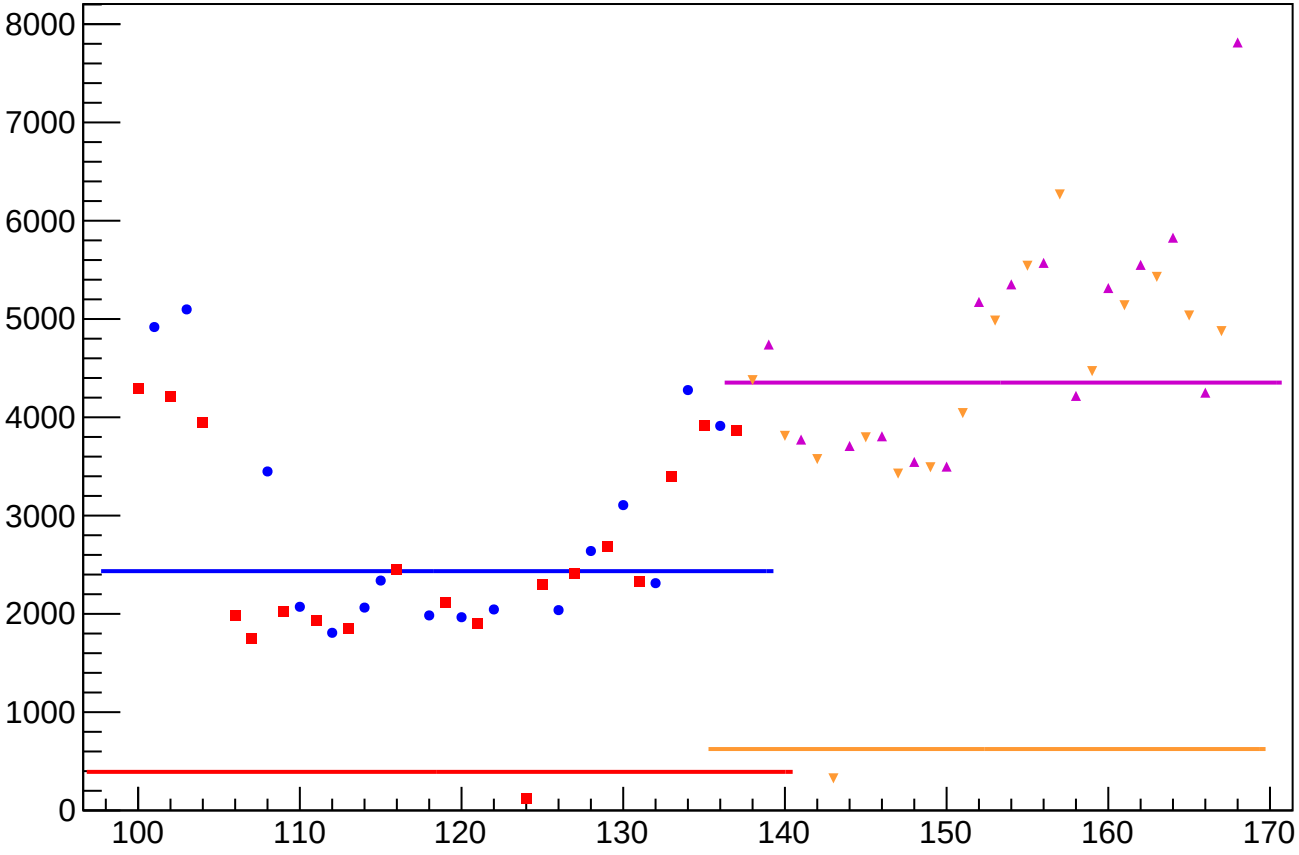
Left In: 1343.873+/-1267.065 χ^2/NDF:8.0/14

+ sign 196.067+/-328.953 χ^2/NDF: 38.1/31

All: 179.660+/-224.202 χ^2/NDF: 67.7/65

- sign 165.427+/-306.387 χ^2/NDF: 29.5/33

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 624.884+/-0.248 χ^2/NDF:18544033.2/15

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

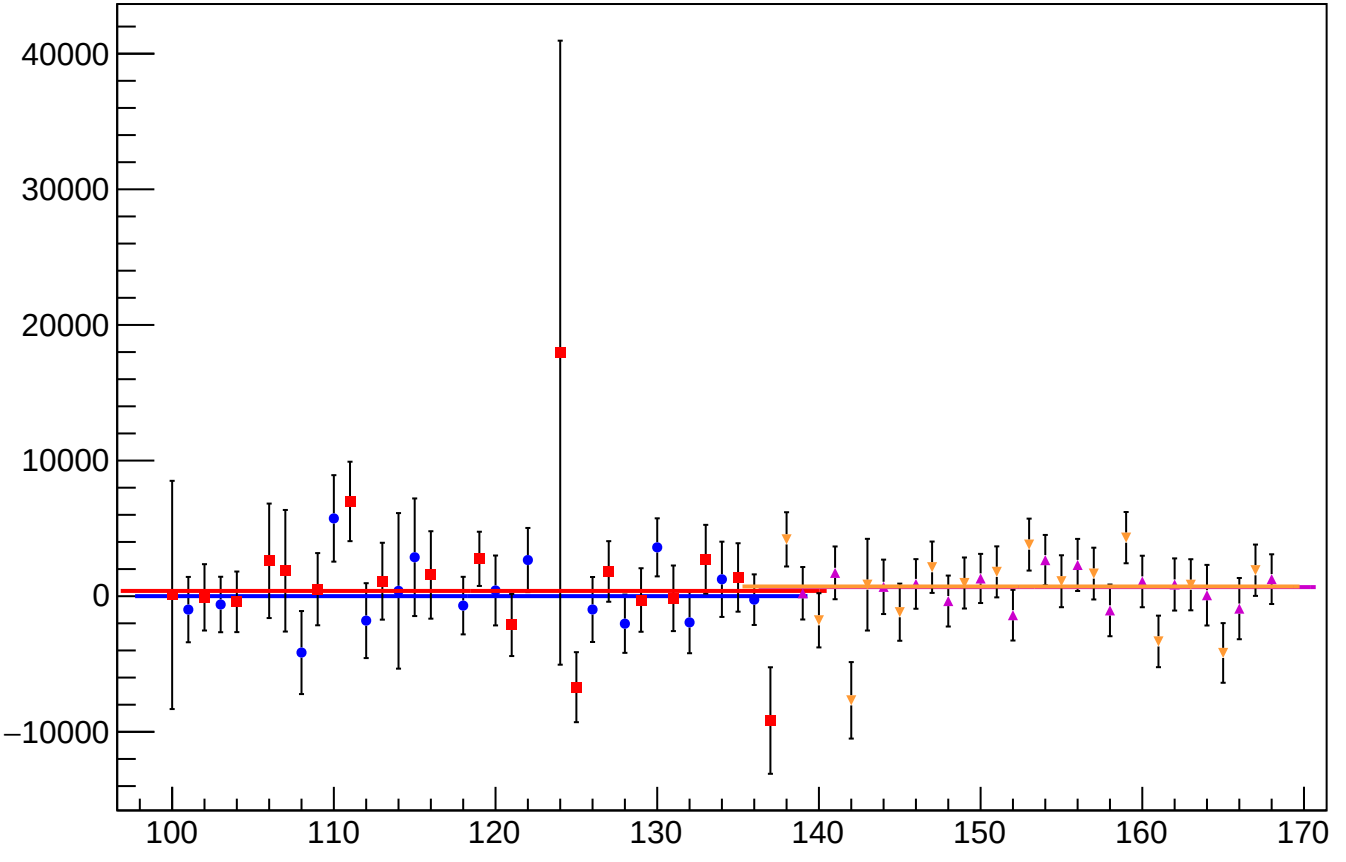
Left In: 4353.032+/-0.896 χ^2/NDF:1064860.3/14

+ sign 836.970+/-0.233 χ^2/NDF: 26263227.0/31

All: 723.055+/-0.159 χ^2/NDF: 57580559.0/65

- sign 624.233+/-0.217 χ^2/NDF: 30869427.2/33

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 716.260+/-504.582 χ^2/NDF:31.6/15

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

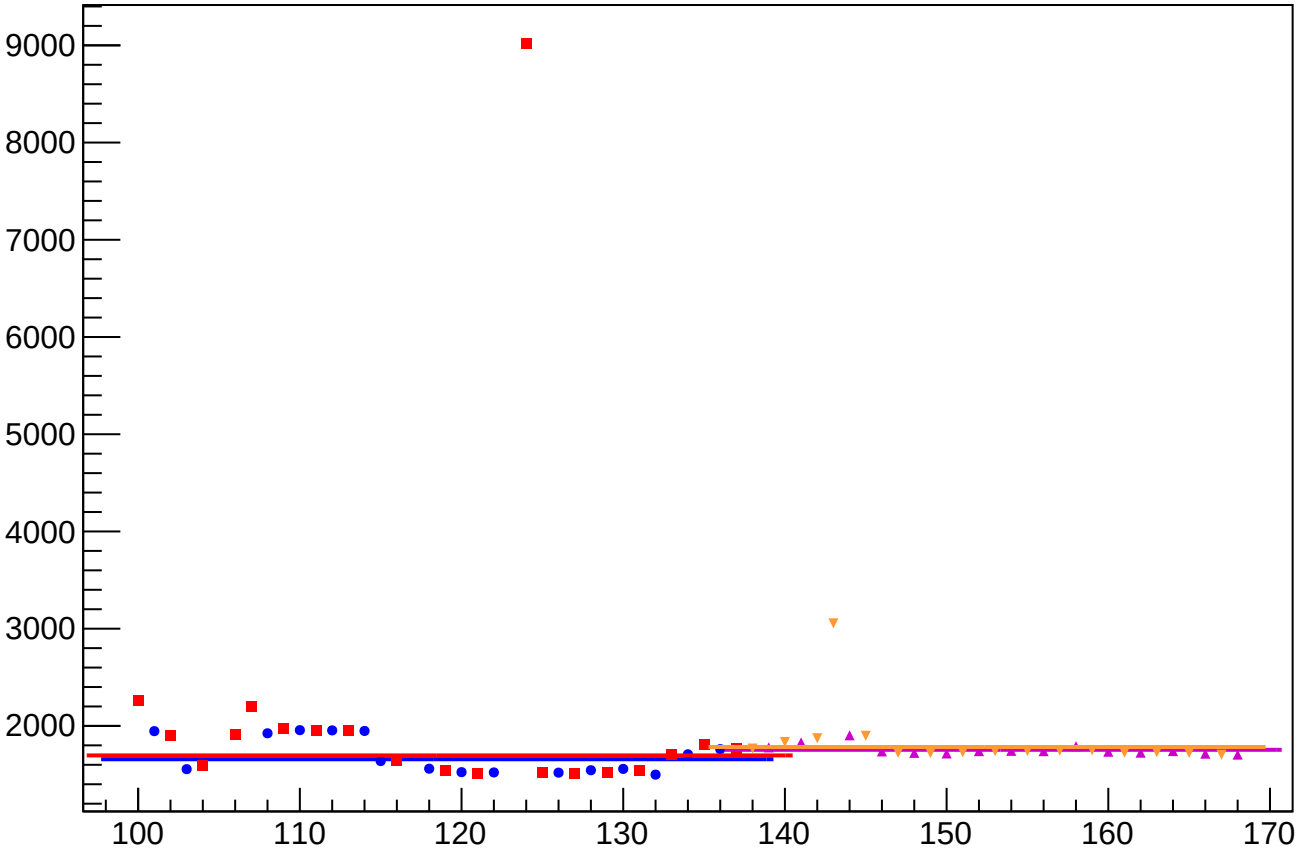
Left In: 671.125+/-498.112 χ^2/NDF:5.4/14

+ sign 432.534+/-391.332 χ^2/NDF: 44.8/31

All: 497.921+/-276.812 χ^2/NDF: 74.5/65

- sign 563.401+/-391.610 χ^2/NDF: 29.6/33

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1782.817+/-0.357 χ^2/NDF:310135.6/15

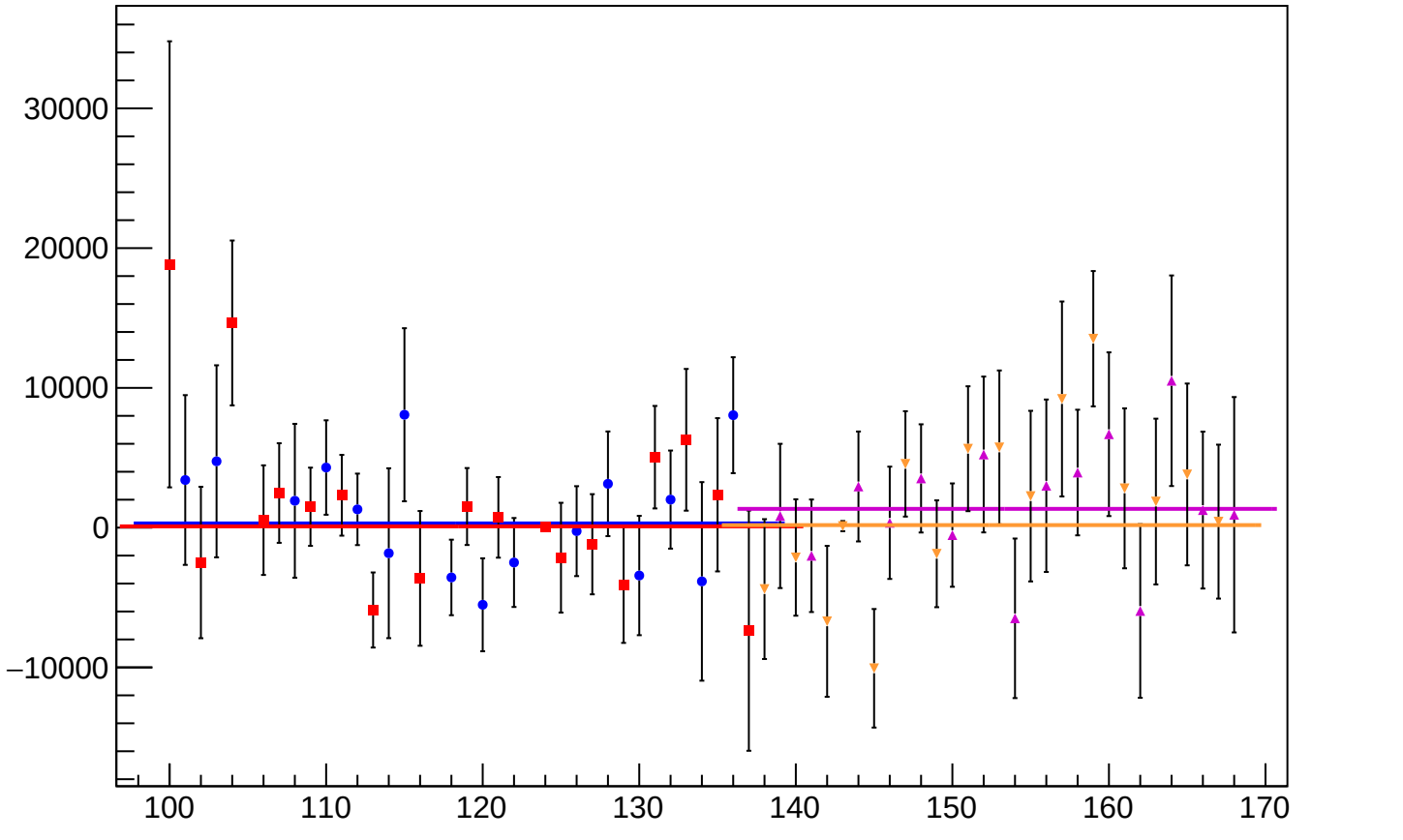
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1754.184+/-0.352 χ^2/NDF:19812.3/14

+ sign 1732.725+/-0.277 χ^2/NDF: 503579.3/31

All: 1732.372+/-0.196 χ^2/NDF: 921685.8/65

- sign 1732.019+/-0.276 χ^2/NDF: 418103.2/33



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 182.028+/-350.105 χ^2/NDF:22.8/15

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

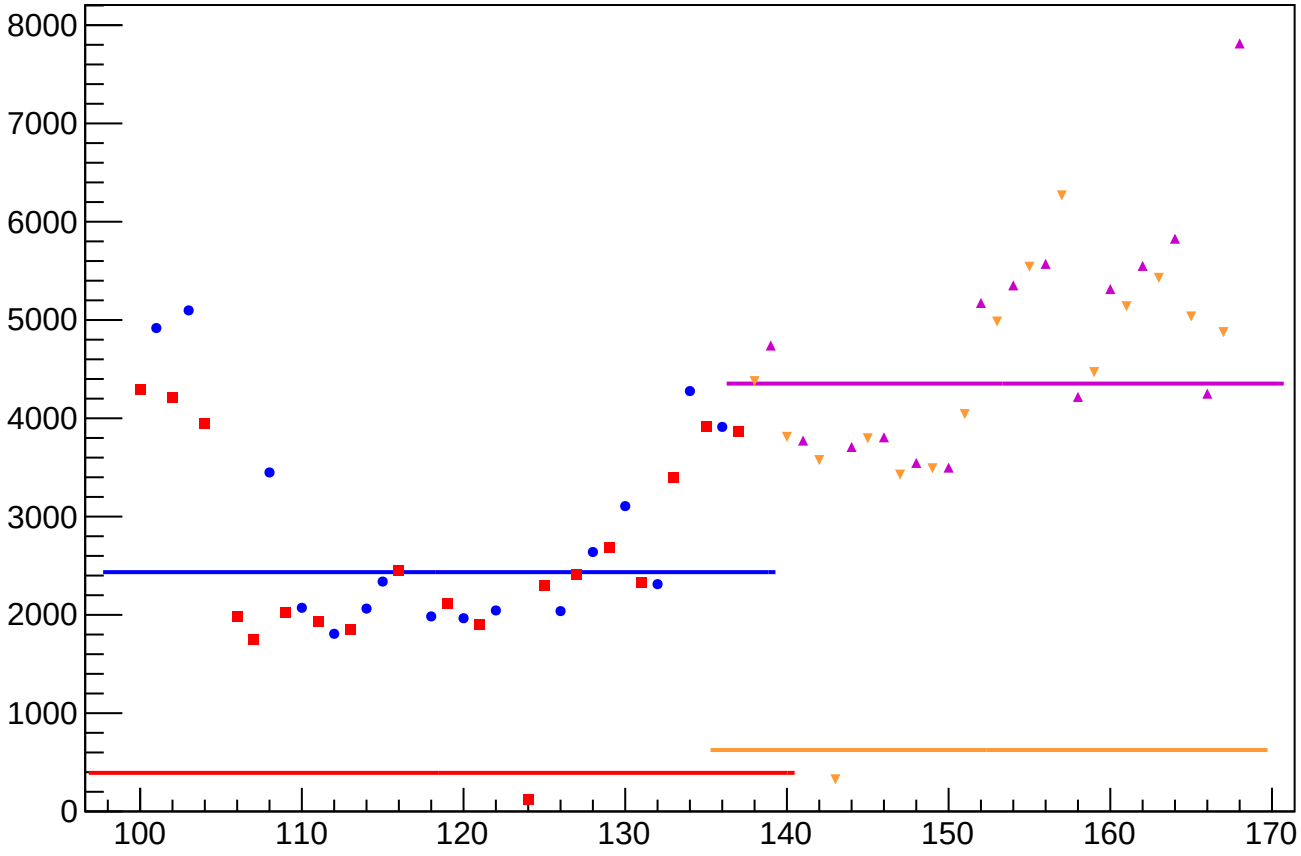
Left In: 1343.873+/-1267.065 χ^2/NDF:8.0/14

\+ sign 196.067+/-328.953 χ^2/NDF: 38.1/31

All: 179.660+/-224.202 χ^2/NDF: 67.7/65

\- sign 165.427+/-306.387 χ^2/NDF: 29.5/33

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 624.884+/-0.248 χ^2/NDF:18544033.2/15

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

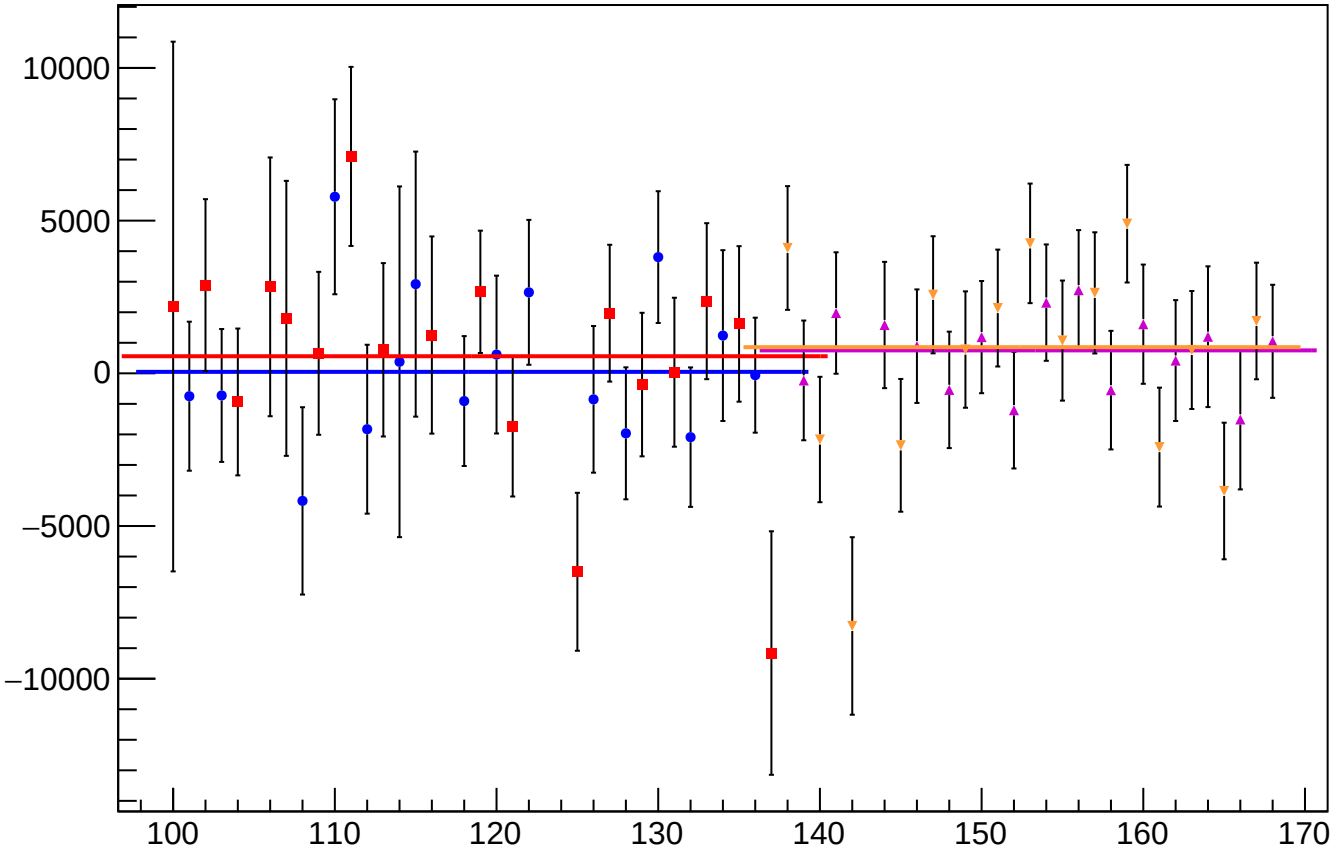
Left In: 4353.032+/-0.896 χ^2/NDF:1064860.3/14

+ sign 836.970+/-0.233 χ^2/NDF: 26263227.0/31

All: 723.055+/-0.159 χ^2/NDF: 57580559.0/65

- sign 624.233+/-0.217 χ^2/NDF: 30869427.2/33

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 856.278+/-521.234 χ^2/NDF:33.7/14

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

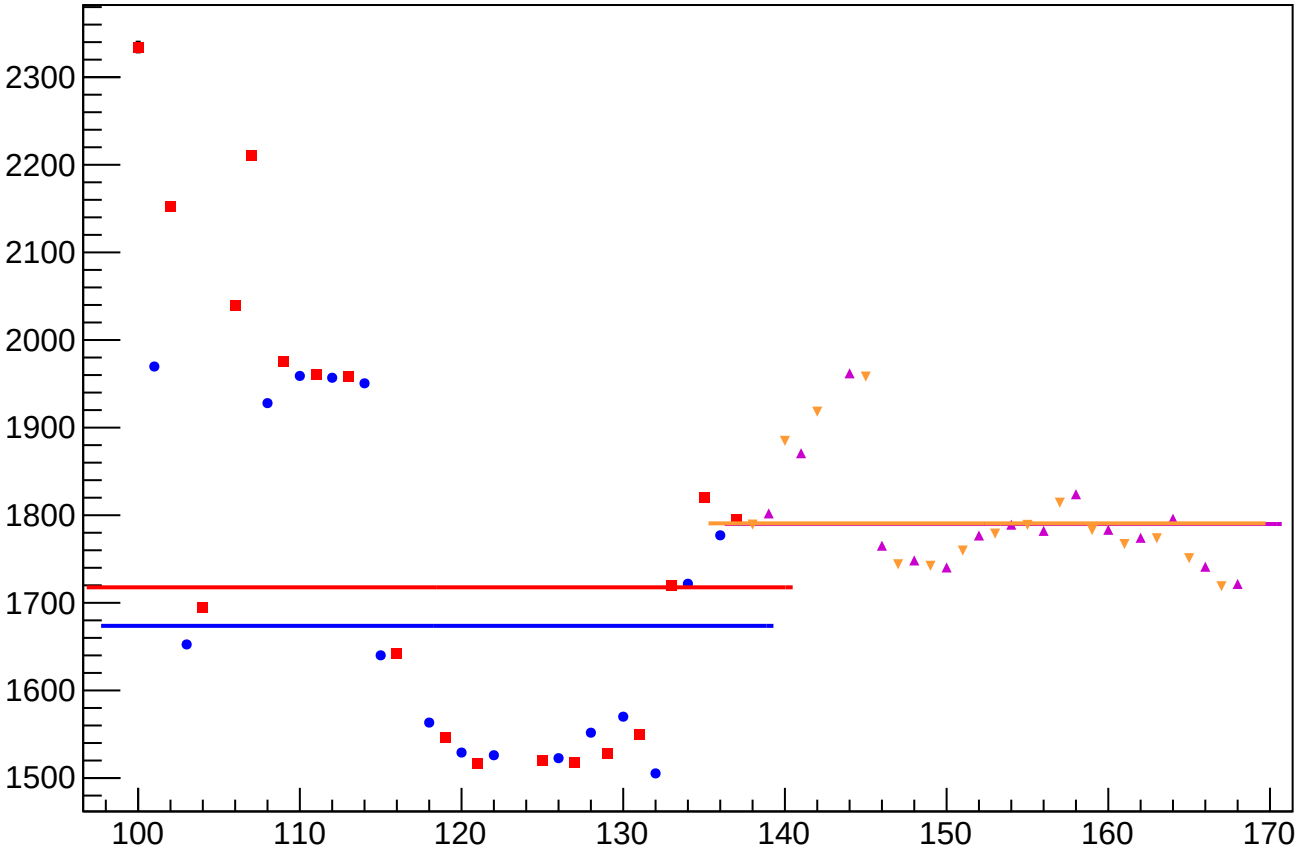
Left In: 751.440+/-508.340 χ^2/NDF:5.8/14

+ sign 525.571+/-400.599 χ^2/NDF: 47.5/30

All: 602.018+/-282.812 χ^2/NDF: 76.7/63

- sign 677.977+/-399.318 χ^2/NDF: 29.1/32

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1790.716+/-0.369 χ^2/NDF:27235.4/14

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

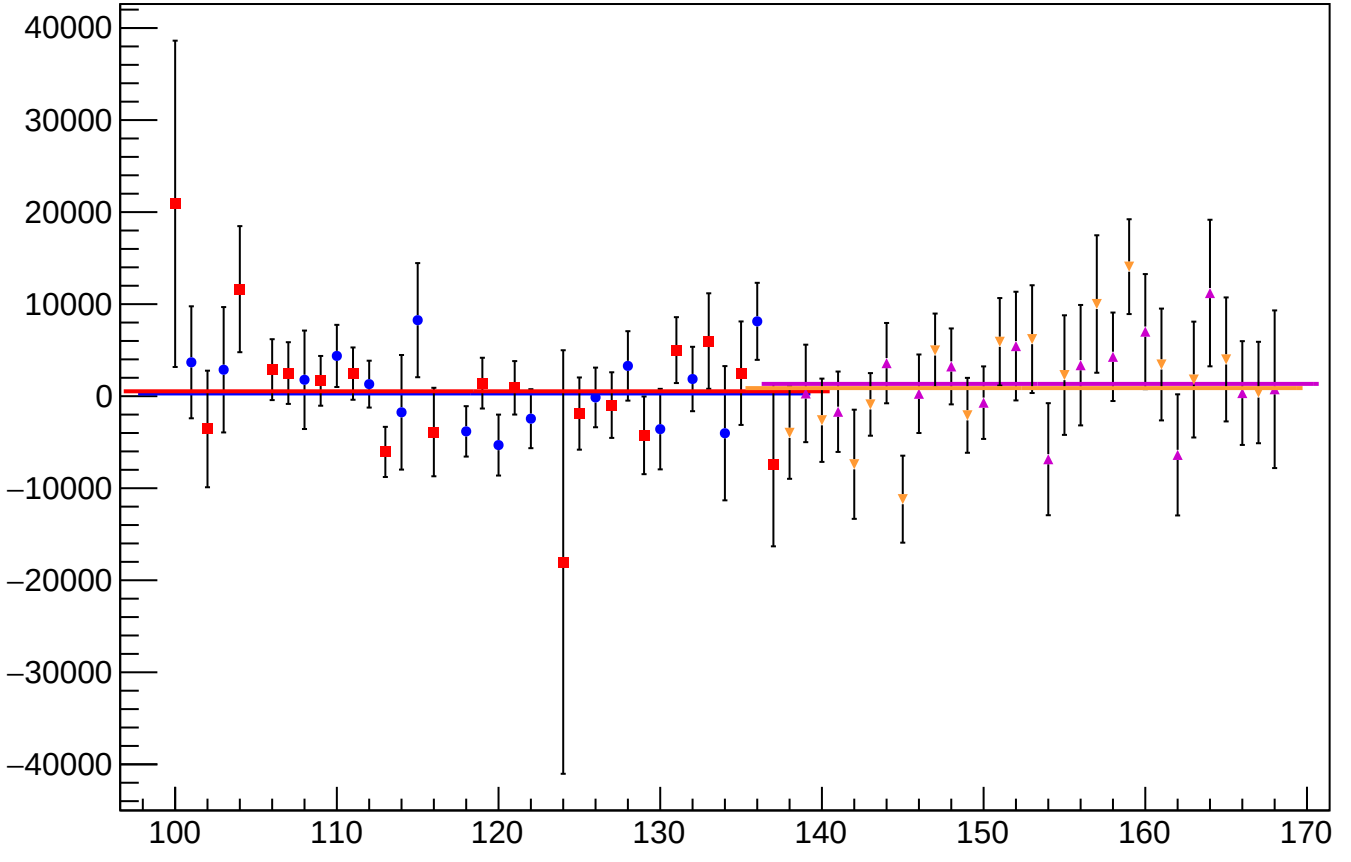
Left In: 1789.957+/-0.359 χ^2/NDF:24520.9/14

+ sign 1742.831+/-0.283 χ^2/NDF: 209347.1/30

All: 1752.562+/-0.200 χ^2/NDF: 479373.3/63

- sign 1762.213+/-0.282 χ^2/NDF: 267675.7/32

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 878.008+/-1258.711 χ^2/NDF:22.3/15

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

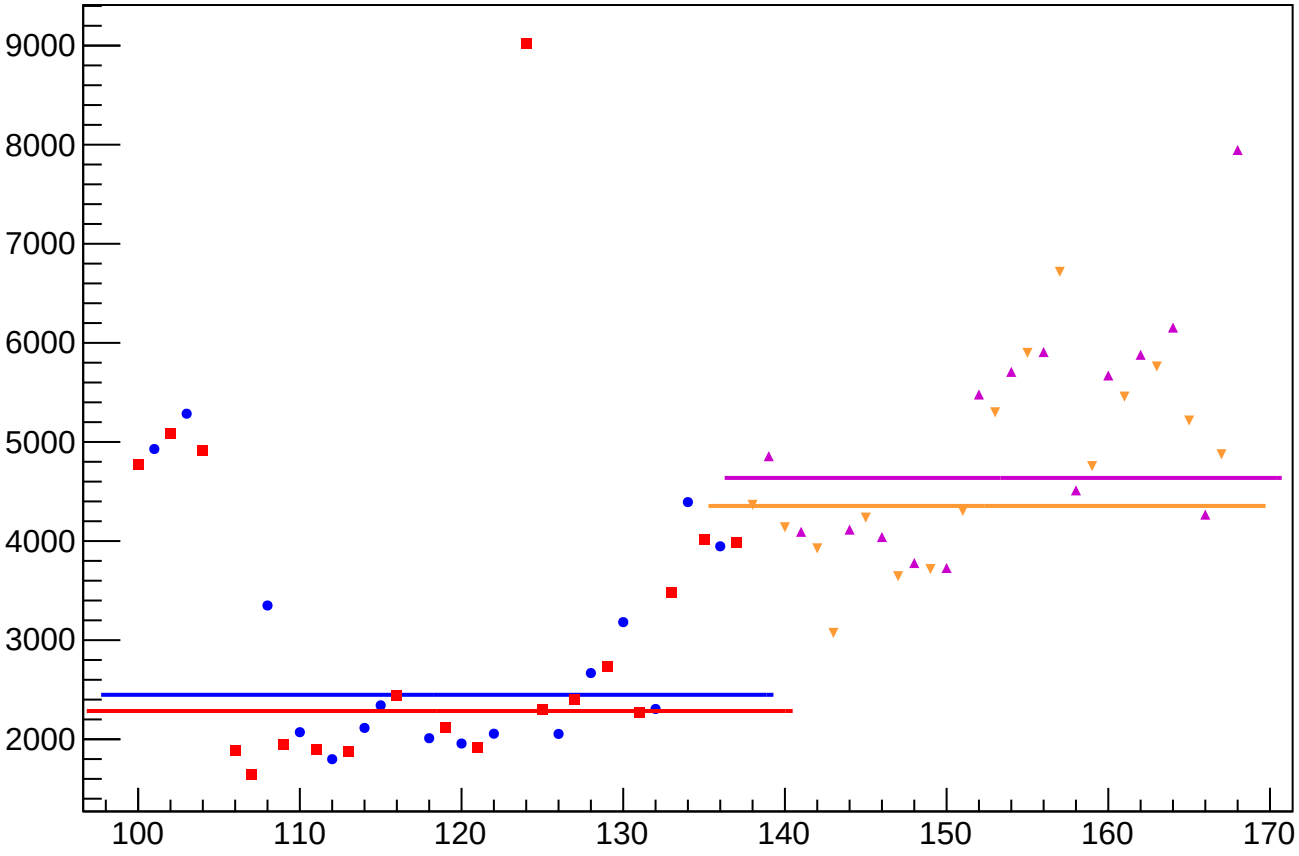
Left In: 1335.926+/-1347.706 χ^2/NDF:7.9/14

+ sign 511.684+/-765.672 χ^2/NDF: 37.7/31

All: 647.012+/-531.790 χ^2/NDF: 64.7/65

- sign 773.129+/-739.157 χ^2/NDF: 26.9/33

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4354.542+/-0.890 χ^2/NDF:1005855.4/15

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

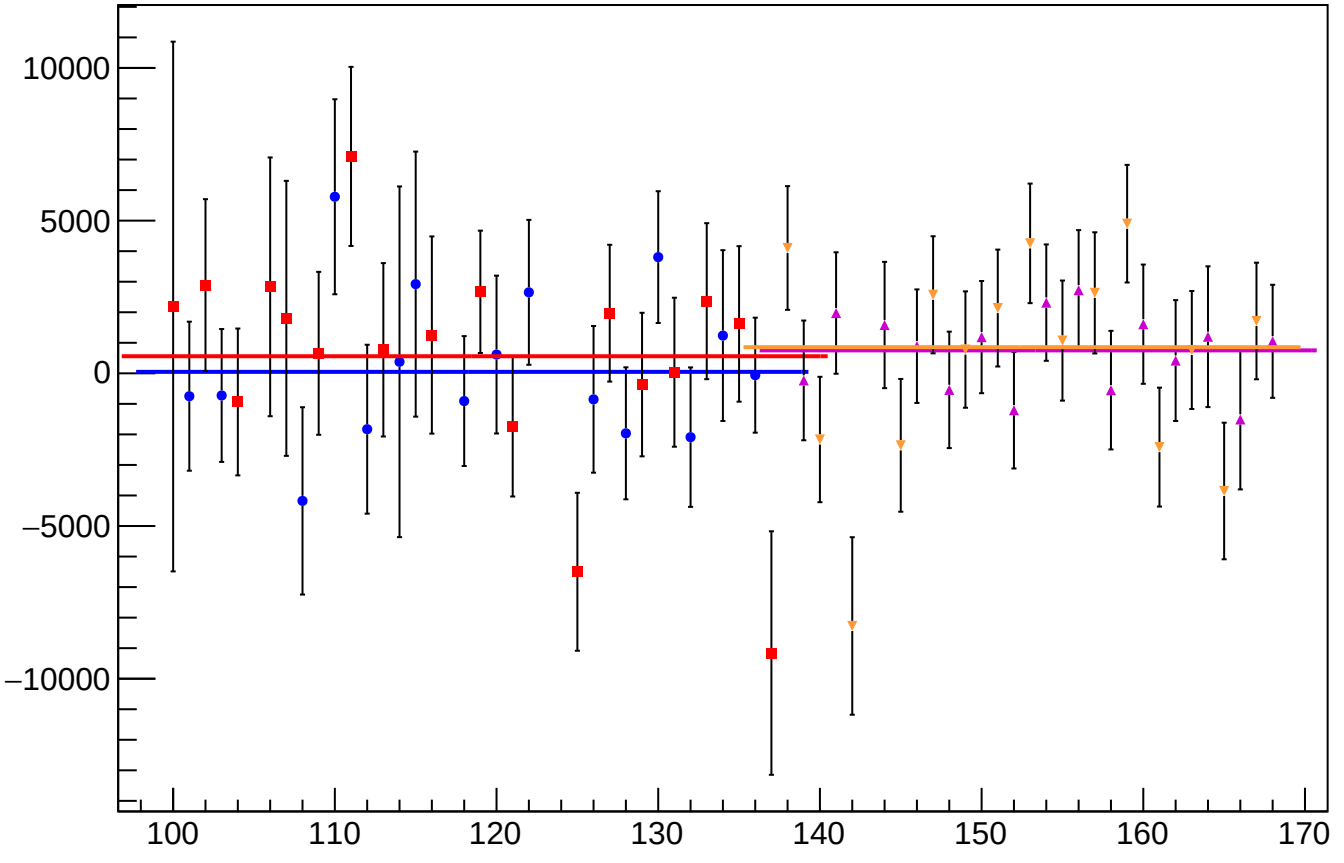
Left In: 4637.230+/-0.953 χ^2/NDF:980331.6/14

+ sign 3153.850+/-0.541 χ^2/NDF: 5412257.9/31

All: 3070.390+/-0.376 χ^2/NDF: 12246939.4/6

- sign 2992.611+/-0.523 χ^2/NDF: 6788773.7/33

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 856.282+/-521.234 χ^2/NDF:33.7/14

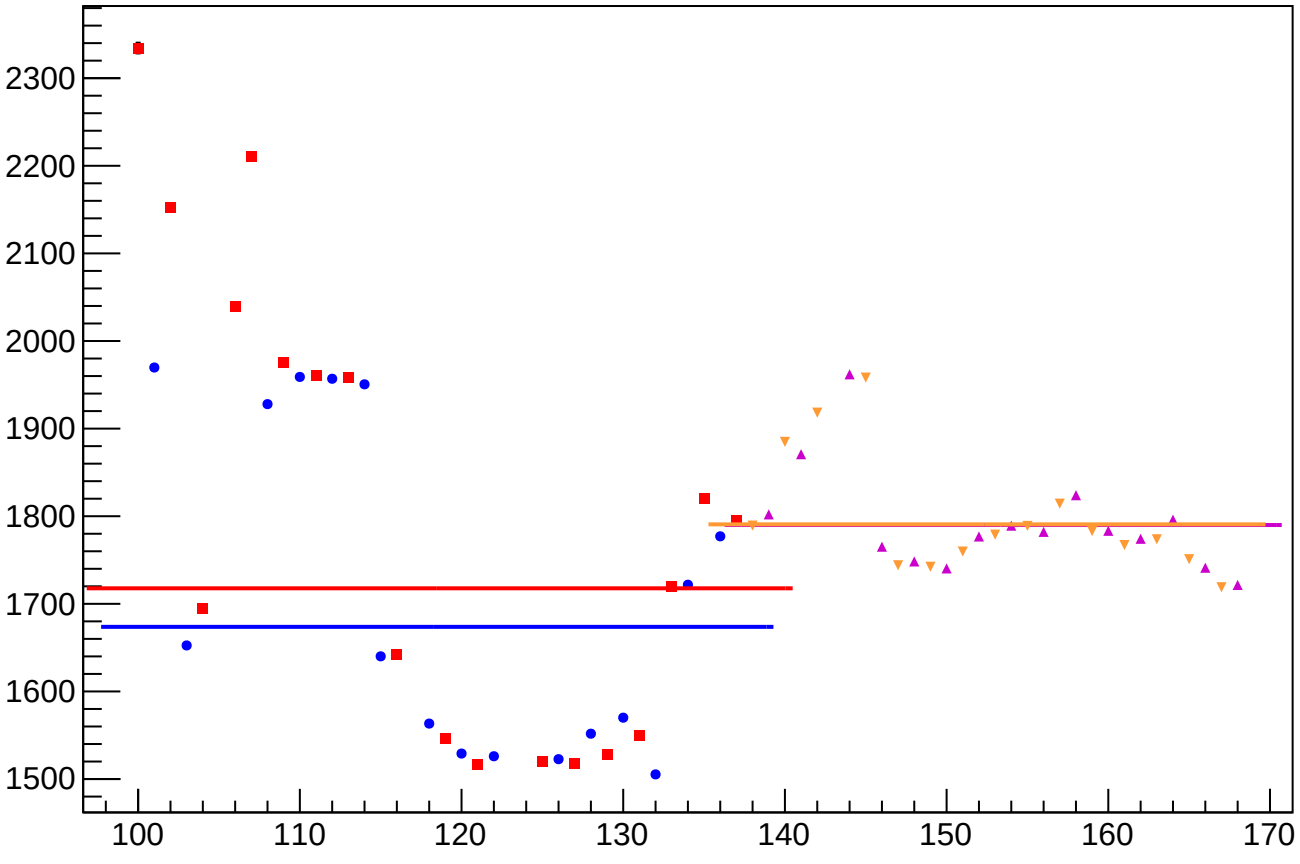
Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: 751.441+/-508.340 χ^2/NDF:5.8/14

+ sign 525.572+/-400.599 χ^2/NDF: 47.5/30

All: 602.019+/-282.812 χ^2/NDF: 76.7/63

- sign 677.978+/-399.318 χ^2/NDF: 29.1/32



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1790.717+/-0.369 χ^2/NDF:27235.9/14

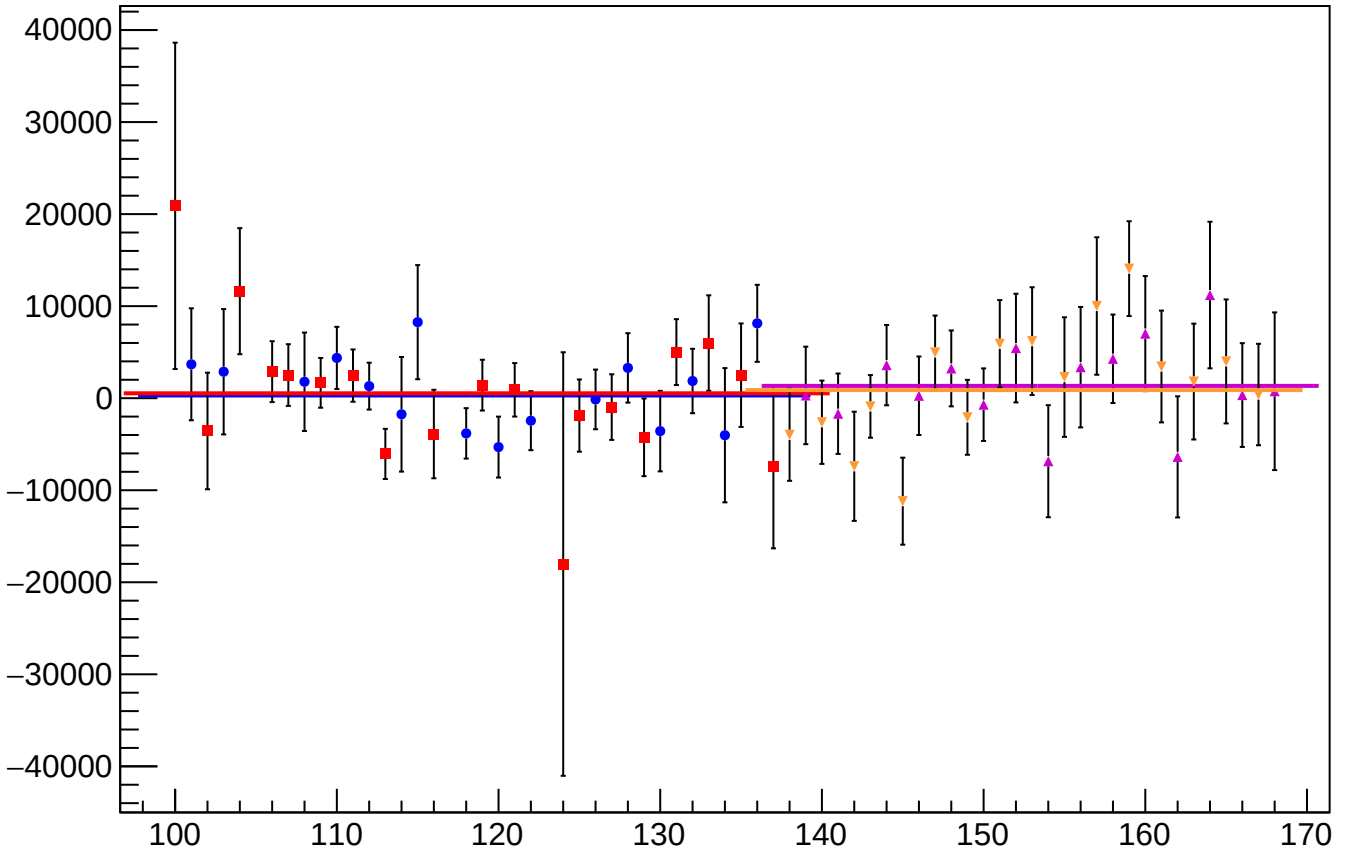
Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1789.958+/-0.359 χ^2/NDF:24521.1/14

+ sign 1742.831+/-0.283 χ^2/NDF: 209348.4/30

All: 1752.562+/-0.200 χ^2/NDF: 479374.7/63

- sign 1762.214+/-0.282 χ^2/NDF: 267675.7/32



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 878.013+/-1258.712 χ^2/NDF:22.3/15

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

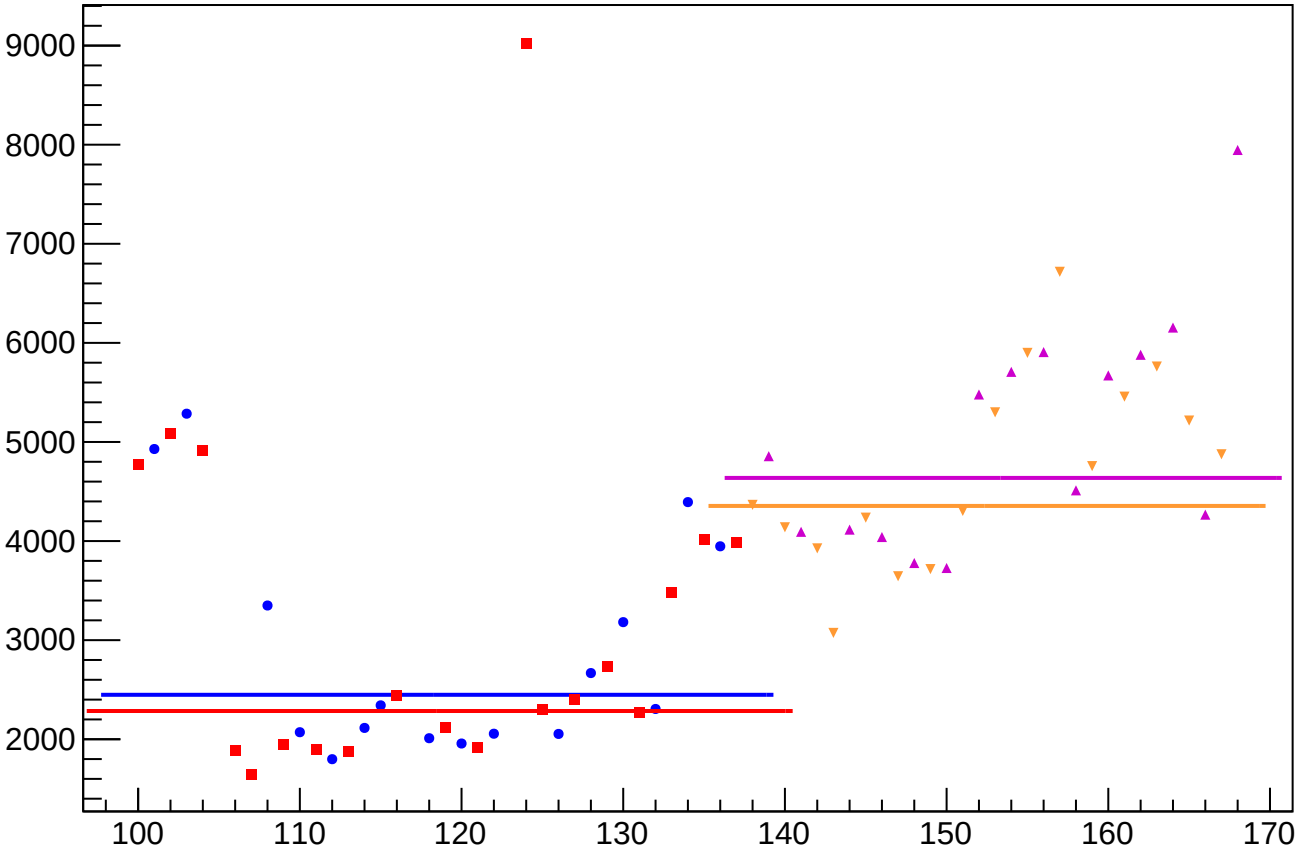
Left In: 1335.927+/-1347.707 χ^2/NDF:7.9/14

+ sign 511.681+/-765.671 χ^2/NDF: 37.7/31

All: 647.011+/-531.789 χ^2/NDF: 64.7/65

- sign 773.129+/-739.155 χ^2/NDF: 26.9/33

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4354.547+/-0.890 χ^2/NDF:1005860.2/15

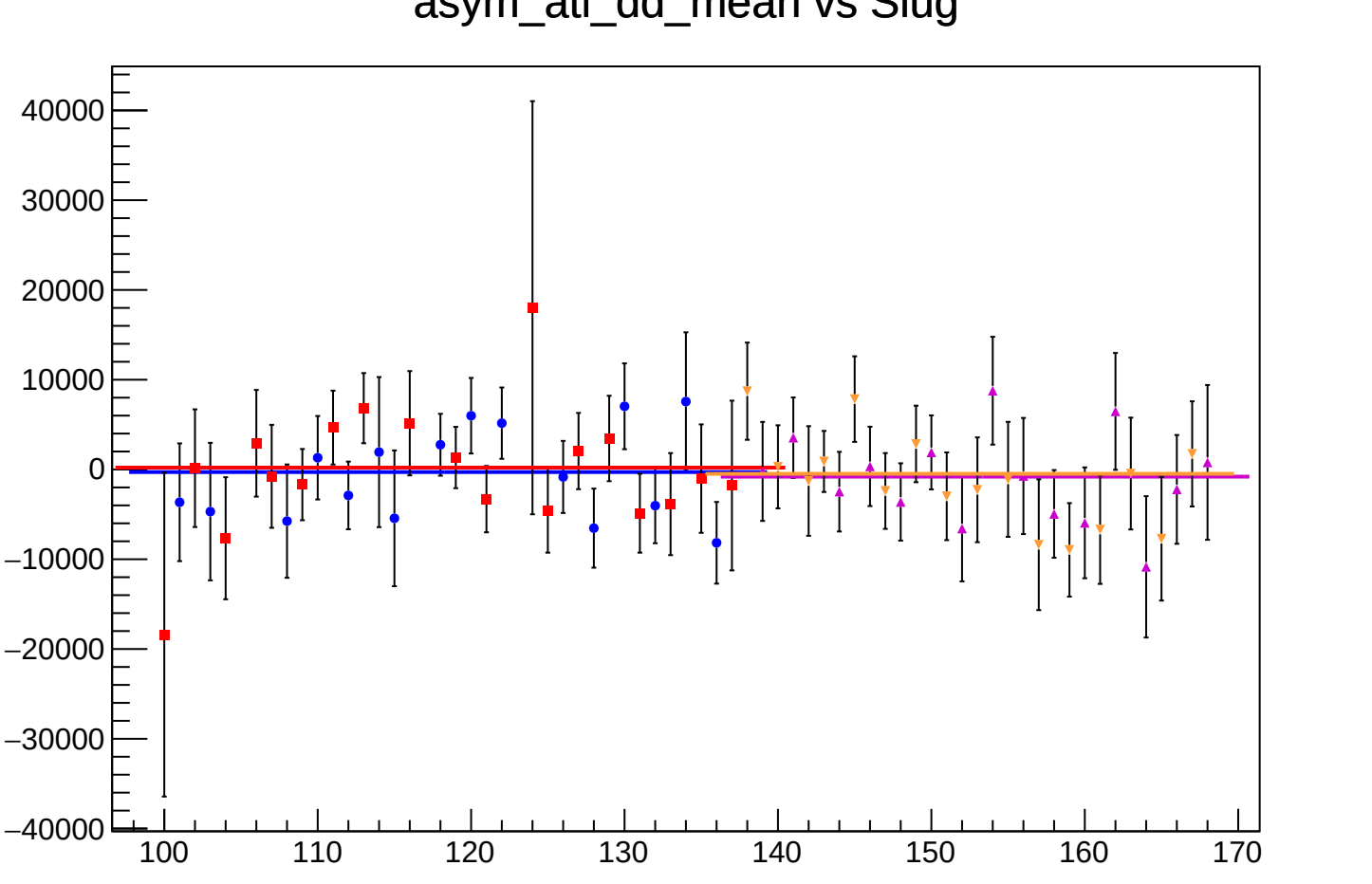
Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4637.236+/-0.953 χ^2/NDF:980334.2/14

+ sign 3153.840+/-0.541 χ^2/NDF: 5412327.1/31

All: 3070.381+/-0.376 χ^2/NDF: 12247072.8/6

- sign 2992.602+/-0.523 χ^2/NDF: 6788837.9/33



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -482.492+/-1286.856 χ^2/NDF:13.4/15

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

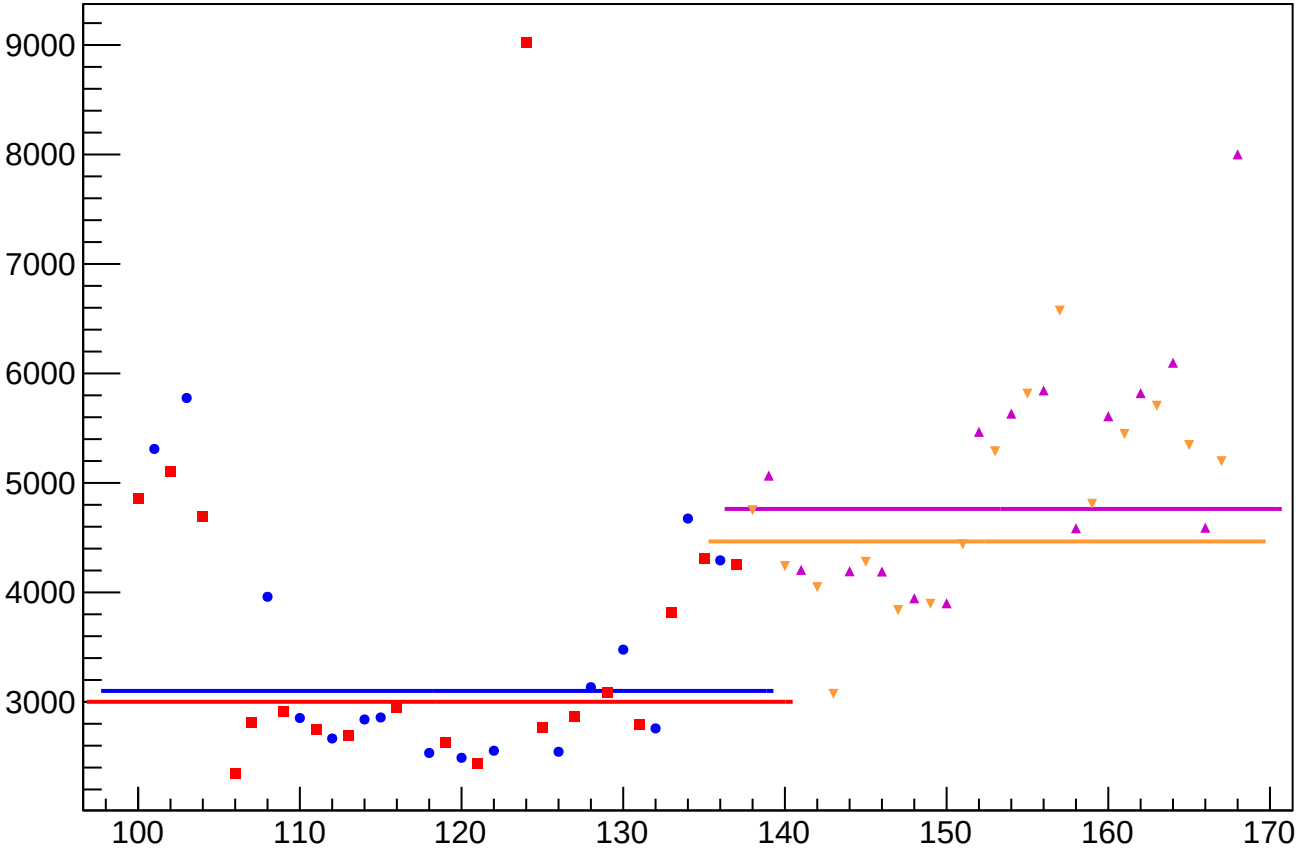
Left In: -799.576+/-1378.120 χ^2/NDF:9.9/14

+ sign -377.858+/-876.586 χ^2/NDF: 30.0/31

All: -292.877+/-622.672 χ^2/NDF: 53.1/65

- sign -206.325+/-884.651 χ^2/NDF: 23.1/33

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4465.217+/-0.910 χ^2/NDF:938178.4/15

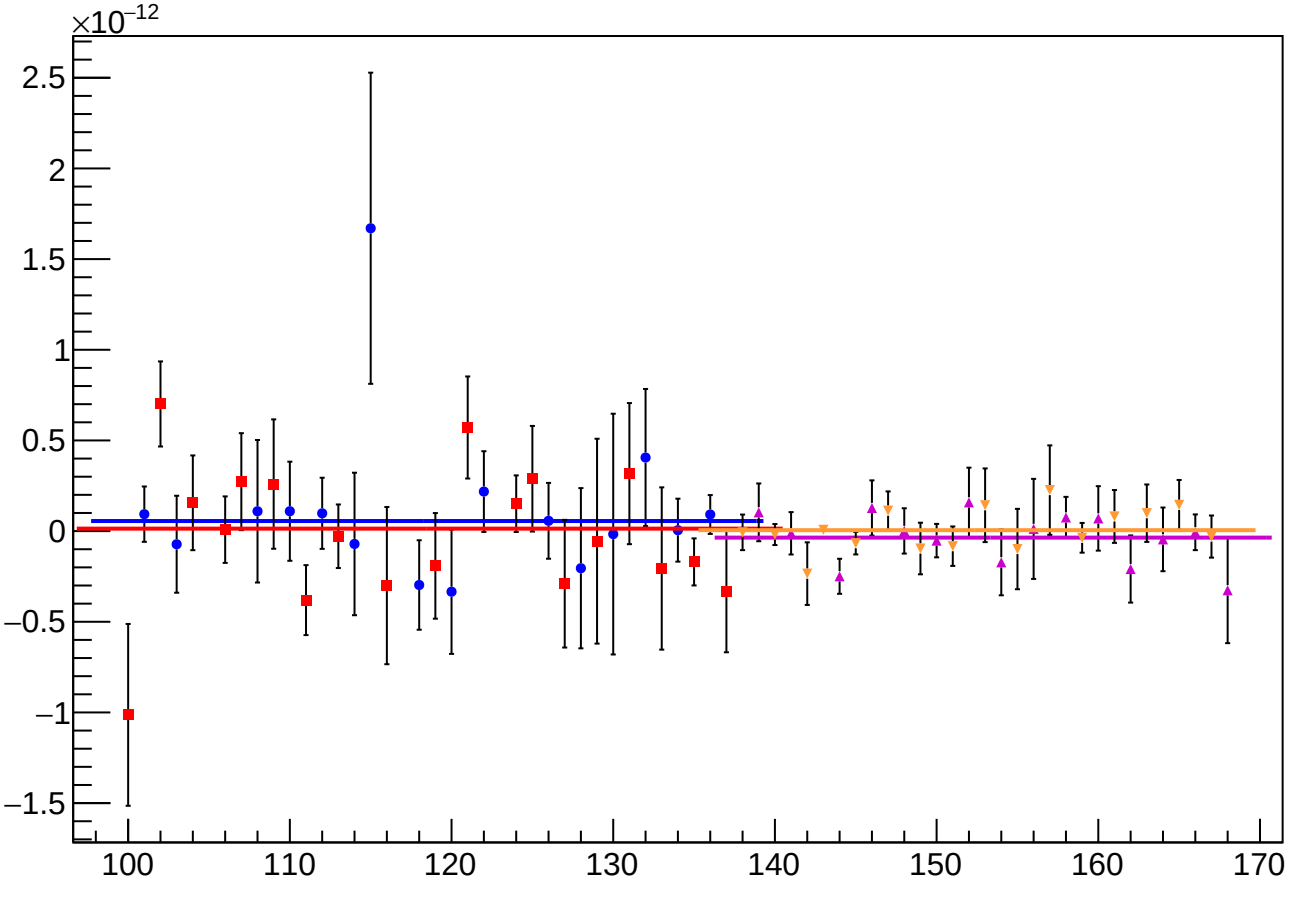
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

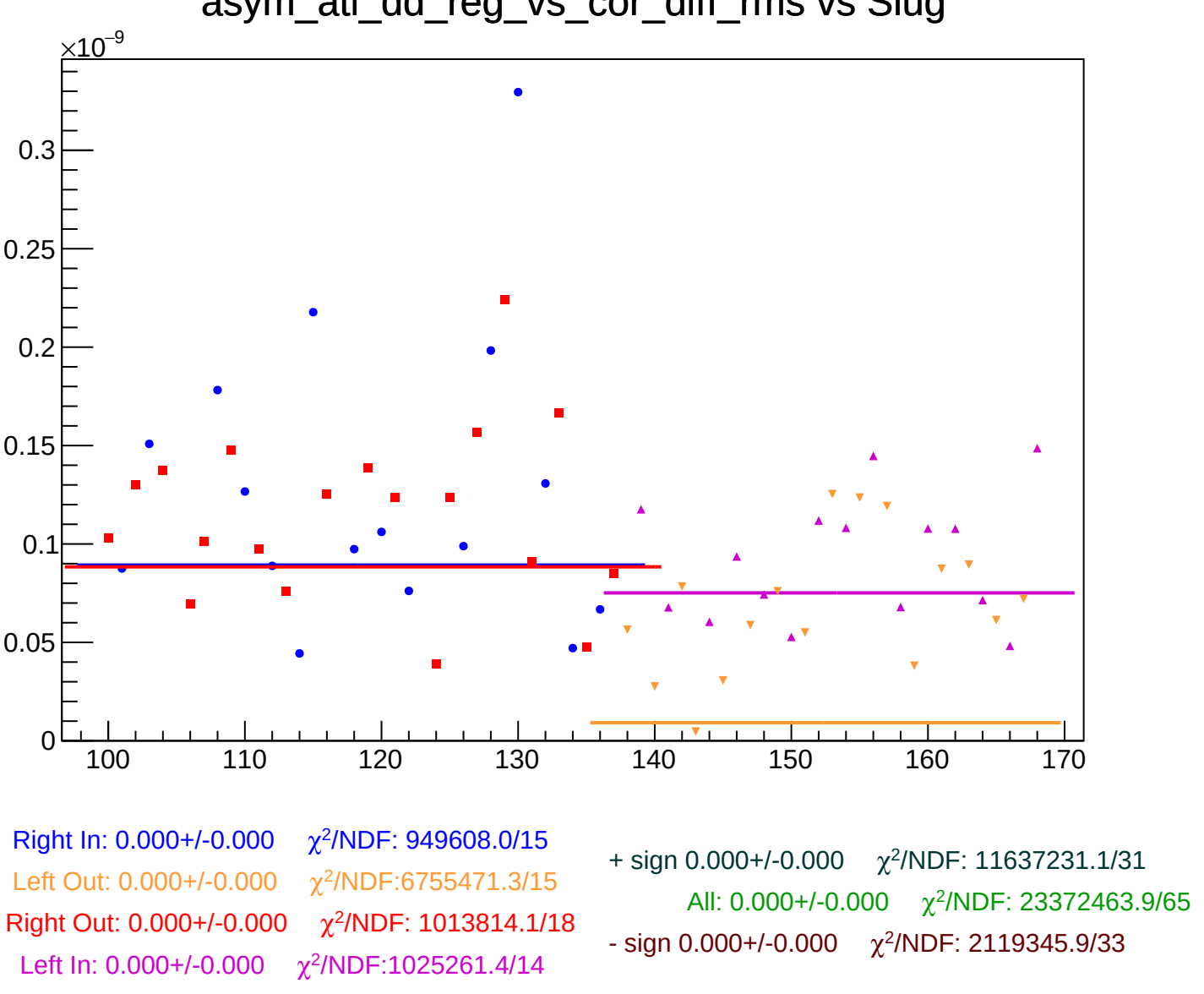
Left In: 4762.395+/-0.974 χ^2/NDF:823711.5/14

+ sign 3733.548+/-0.620 χ^2/NDF: 3108113.5/31

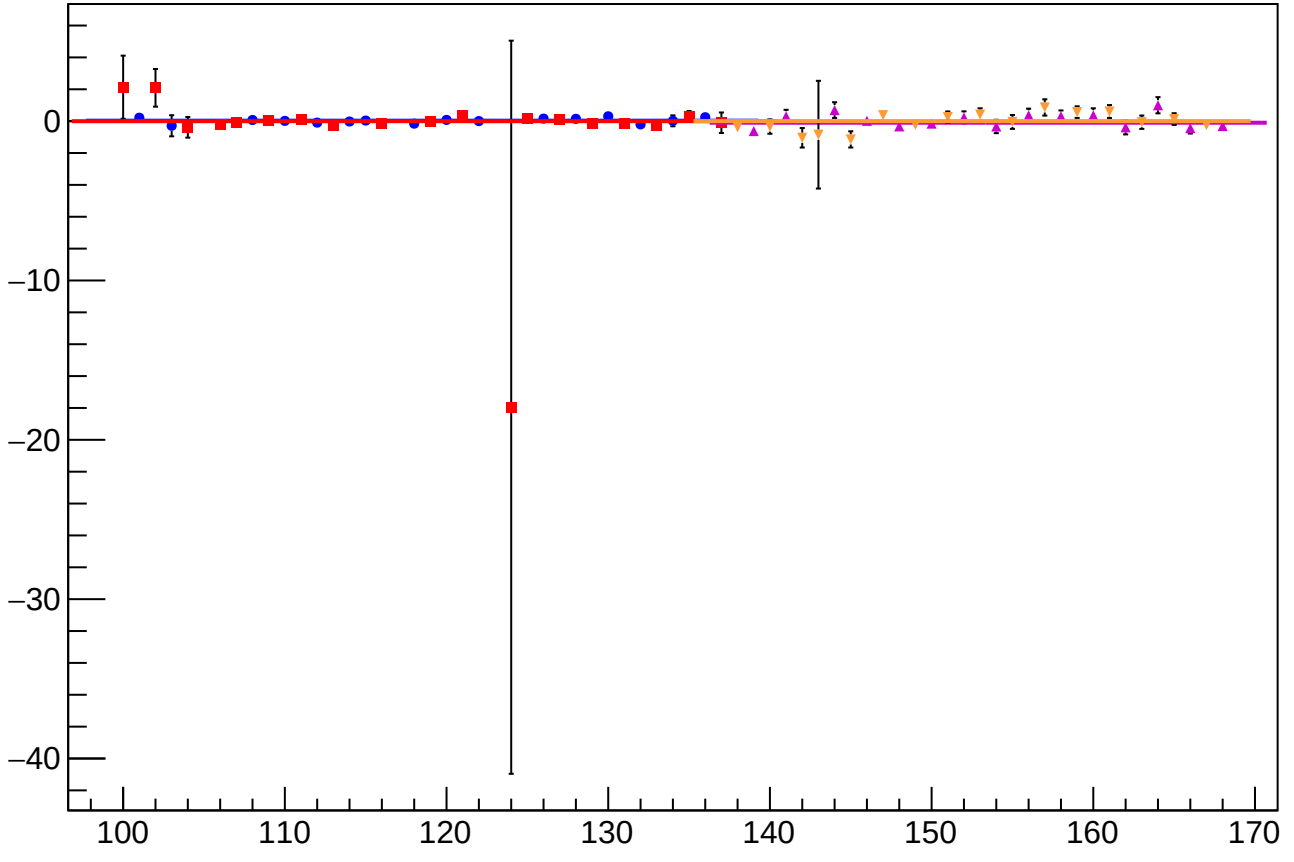
All: 3724.333+/-0.439 χ^2/NDF: 6681743.9/65

- sign 3715.097+/-0.621 χ^2/NDF: 3573187.8/33


asym_atl_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 9.3/15
Left Out: 0.000+/-0.000 χ²/NDF:9.2/15
Right Out: 0.000+/-0.000 χ²/NDF: 30.0/18
Left In: -0.000+/-0.000 χ²/NDF:11.9/14
+ sign 0.000+/-0.000 χ²/NDF: 19.3/31
All: 0.000+/-0.000 χ²/NDF: 62.6/65
- sign -0.000+/-0.000 χ²/NDF: 42.5/33


asym_atl_dd_reg_vs_cor_diff_rms vs Slug
×10^−9
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 949608.0/15
Left Out: 0.000+/-0.000 χ²/NDF:6755471.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 1013814.1/18
Left In: 0.000+/-0.000 χ²/NDF:1025261.4/14
+ sign 0.000+/-0.000 χ²/NDF: 11637231.1/31
All: 0.000+/-0.000 χ²/NDF: 23372463.9/65
- sign 0.000+/-0.000 χ²/NDF: 2119345.9/33

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.004+/-0.094 χ^2/NDF:22.8/15

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

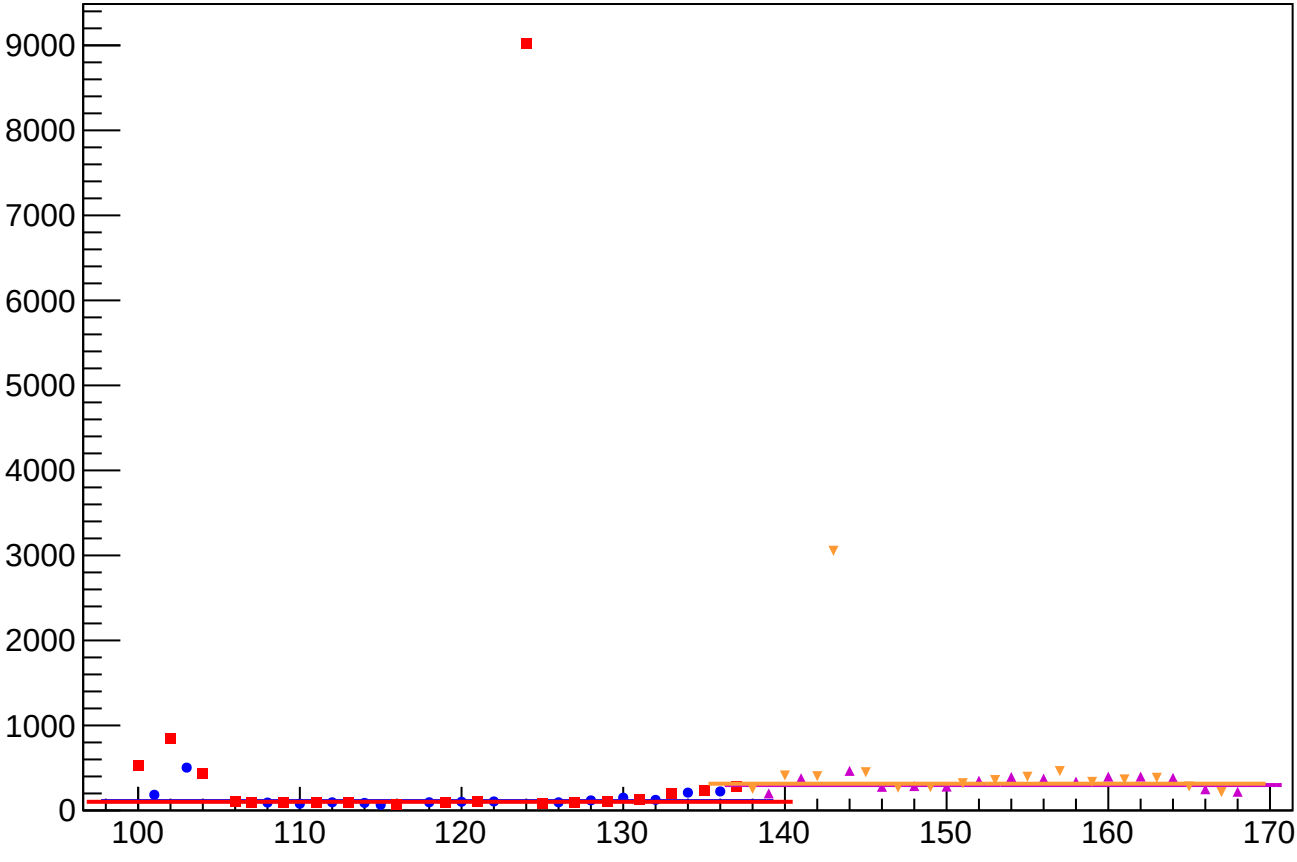
Left In: -0.099+/-0.089 χ^2/NDF:21.0/14

+ sign 0.024+/-0.041 χ^2/NDF: 31.7/31

All: -0.000+/-0.028 χ^2/NDF: 76.6/65

- sign -0.022+/-0.039 χ^2/NDF: 44.3/33

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 314.723+/-0.067 χ^2/NDF:2462345.1/15

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

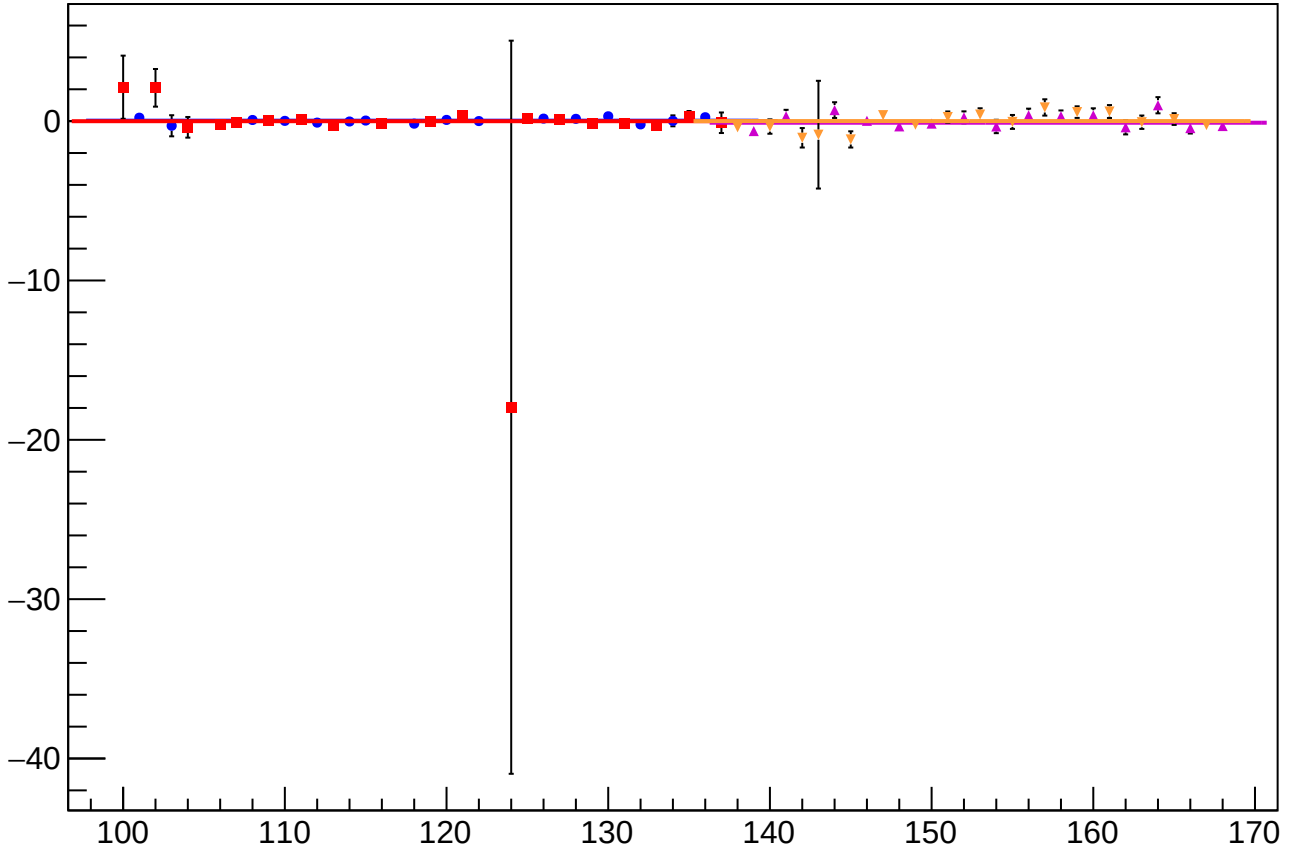
Left In: 298.965+/-0.063 χ^2/NDF:1426465.7/14

+ sign 148.517+/-0.029 χ^2/NDF: 12080594.3/31

All: 144.005+/-0.020 χ^2/NDF: 24116164.0/65

- sign 139.893+/-0.028 χ^2/NDF: 11988856.8/33

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.004+/-0.094 χ^2/NDF:22.8/15

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

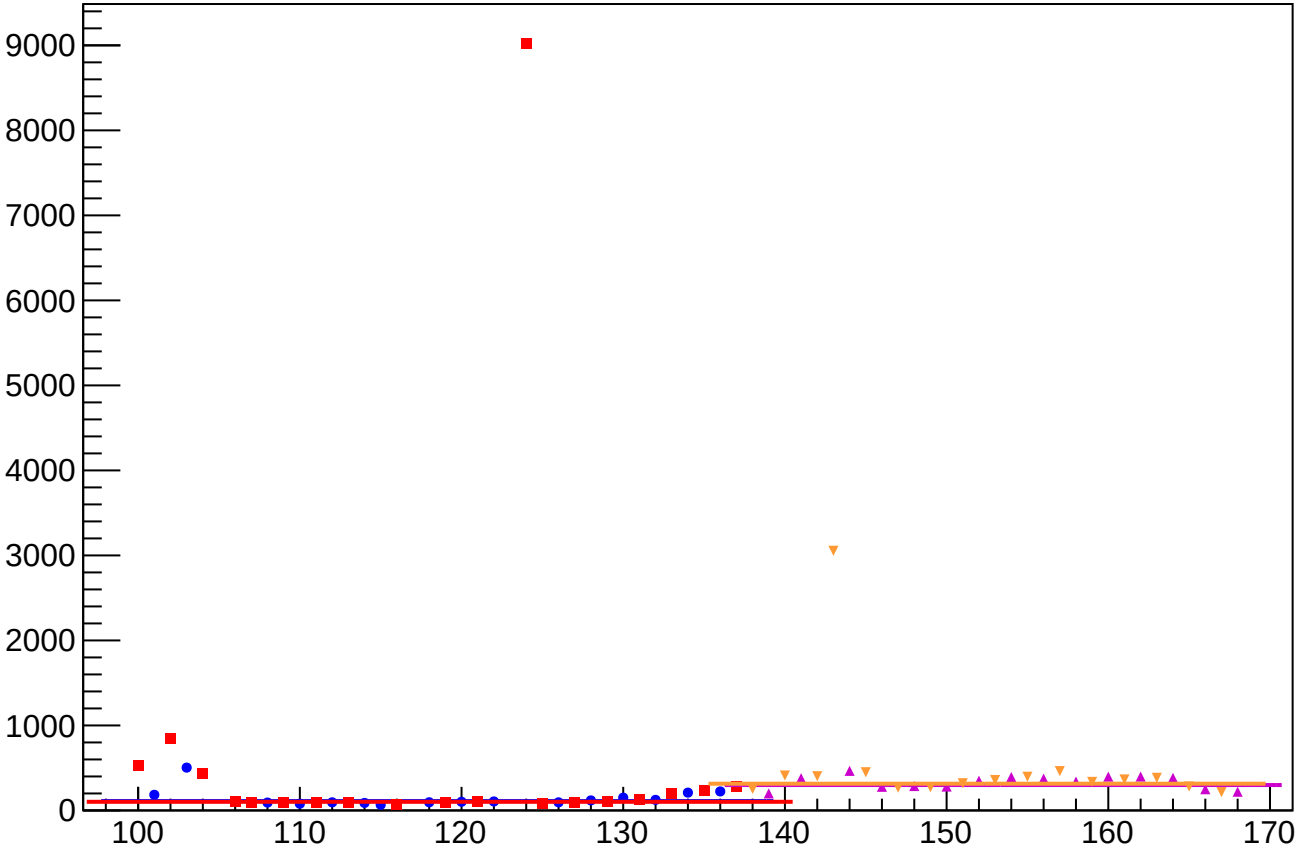
Left In: -0.099+/-0.089 χ^2/NDF:21.0/14

+ sign 0.024+/-0.041 χ^2/NDF: 31.7/31

All: -0.000+/-0.028 χ^2/NDF: 76.6/65

- sign -0.022+/-0.039 χ^2/NDF: 44.3/33

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: 314.723+/-0.067 χ^2/NDF:2462345.1/15

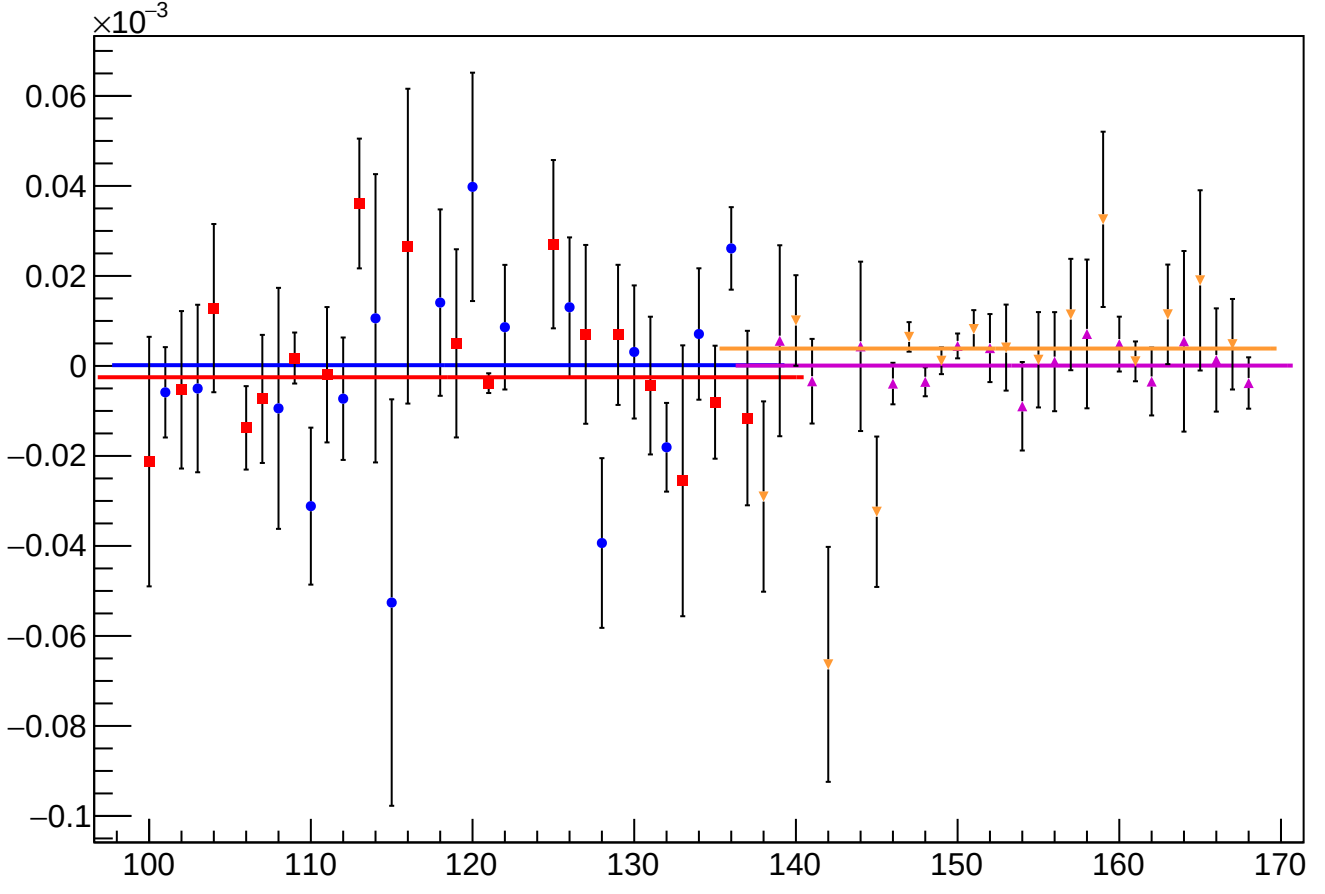
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 298.965+/-0.063 χ^2/NDF:1426465.7/14

+ sign 148.517+/-0.029 χ^2/NDF: 12080594.3/31

All: 144.005+/-0.020 χ^2/NDF: 24116164.0/65

- sign 139.893+/-0.028 χ^2/NDF: 11988856.8/33



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.3/14

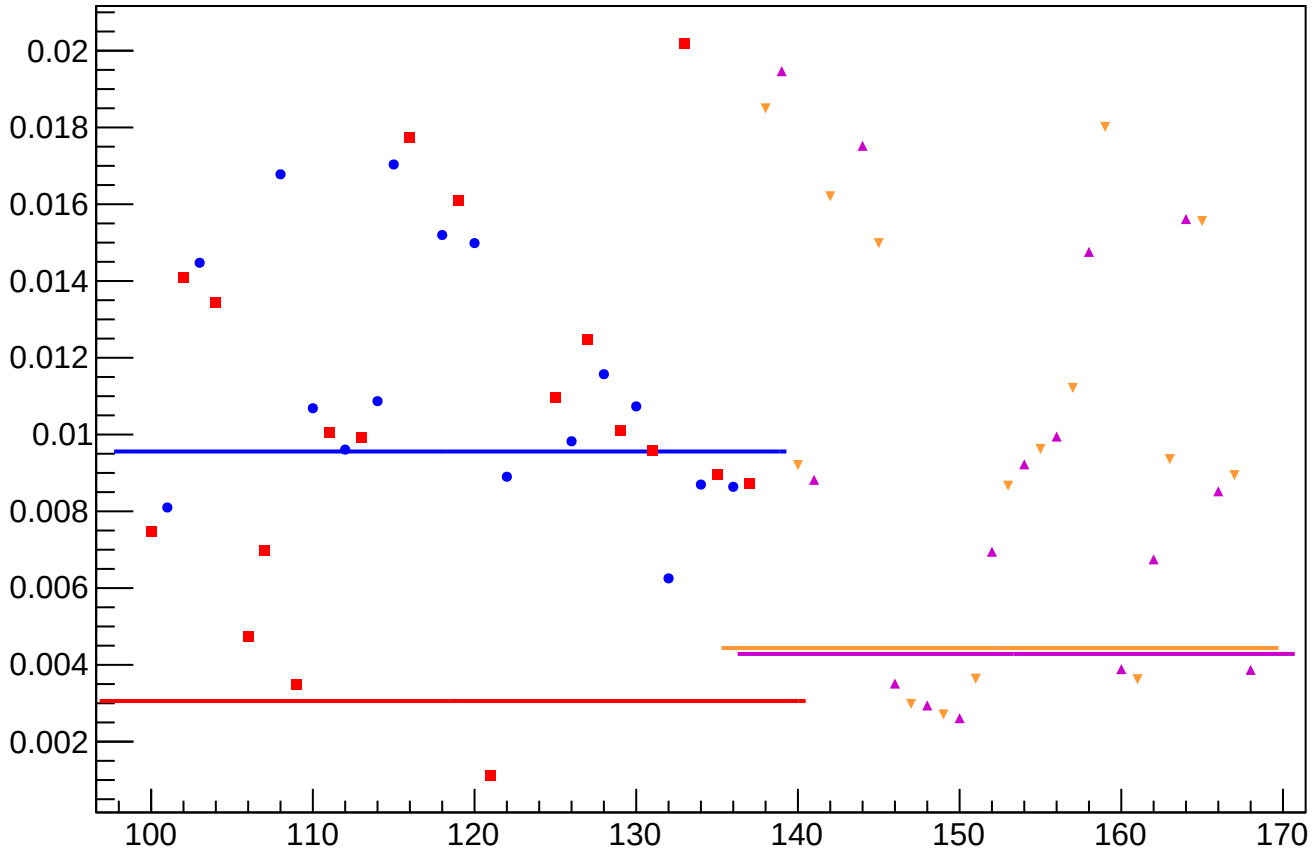
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:7.4/14

+ sign 0.000+/-0.000 χ^2/NDF: 47.8/30

All: 0.000+/-0.000 χ^2/NDF: 77.2/63

- sign -0.000+/-0.000 χ^2/NDF: 24.4/32



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:7604339.8/14

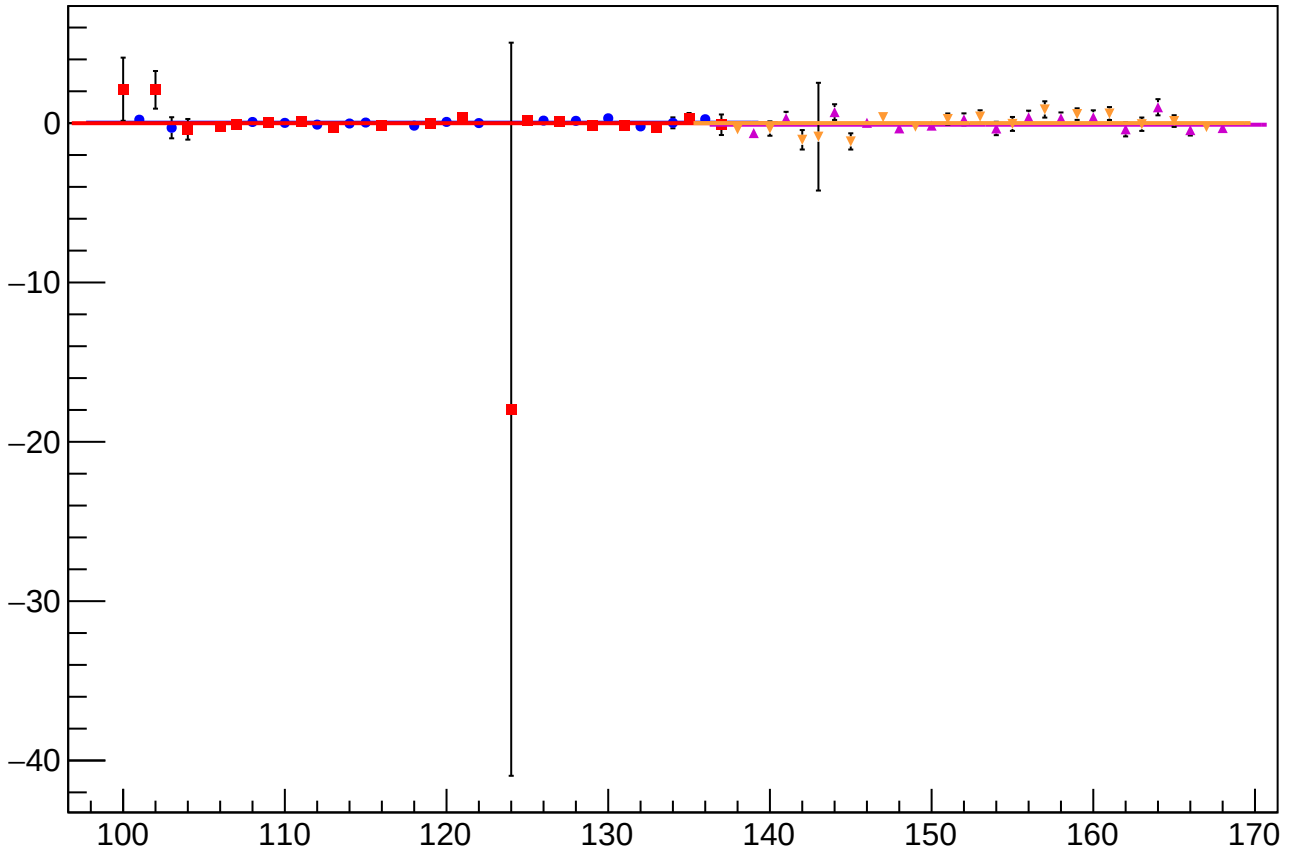
Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:6843996.8/14

+ sign 0.005+/-0.000 χ^2/NDF: 11700025.4/30

All: 0.004+/-0.000 χ^2/NDF: 28403273.6/63

- sign 0.004+/-0.000 χ^2/NDF: 15490029.0/32



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.004+/-0.094 χ^2/NDF:22.8/15

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

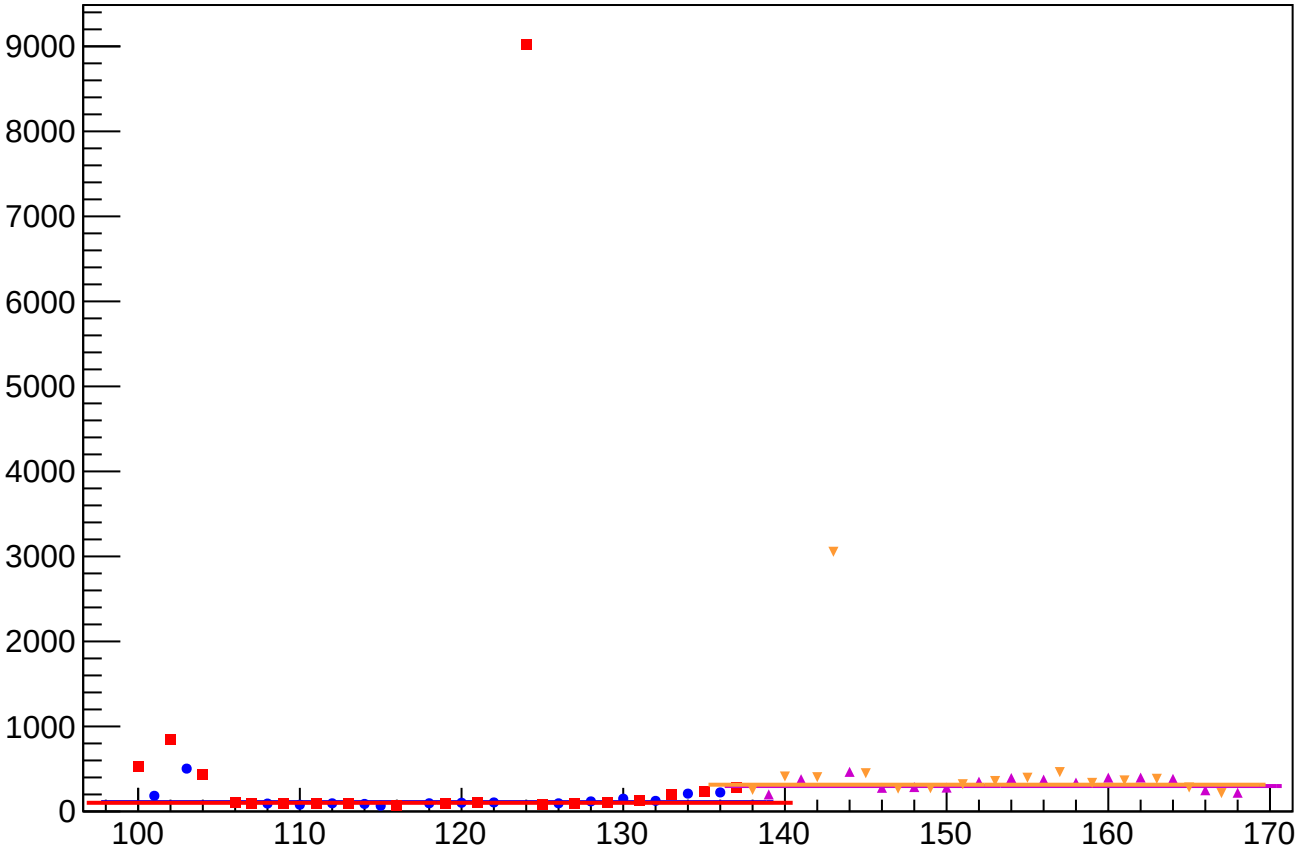
Left In: -0.099+/-0.089 χ^2/NDF:21.0/14

+ sign 0.024+/-0.041 χ^2/NDF: 31.7/31

All: -0.000+/-0.028 χ^2/NDF: 76.6/65

- sign -0.022+/-0.039 χ^2/NDF: 44.3/33

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: 314.725+/-0.067 χ^2/NDF:2462401.9/15

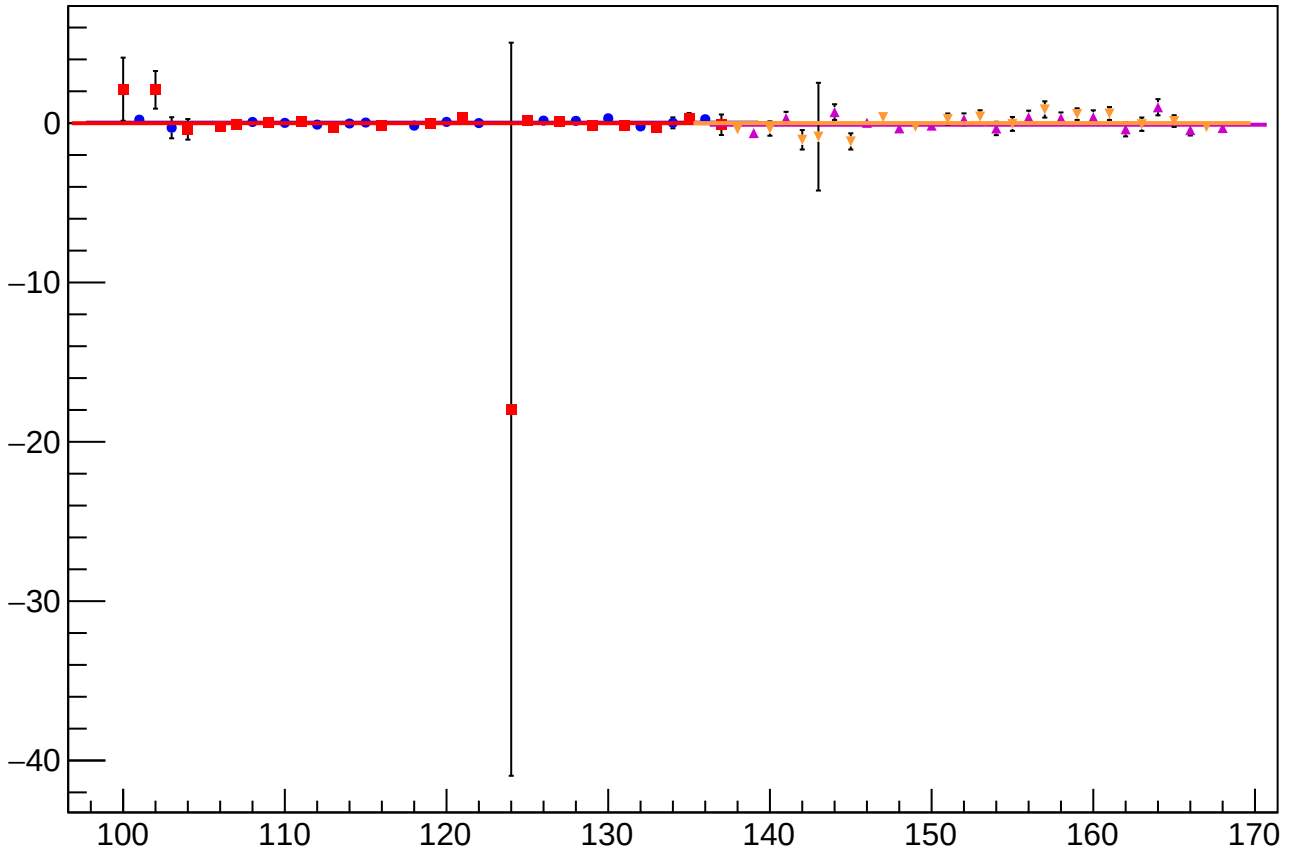
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 298.970+/-0.063 χ^2/NDF:1426442.9/14

+ sign 148.518+/-0.029 χ^2/NDF: 12080592.1/31

All: 144.006+/-0.020 χ^2/NDF: 24116097.5/65

- sign 139.895+/-0.028 χ^2/NDF: 11988798.9/33



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.004+/-0.094 χ^2/NDF:22.8/15

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

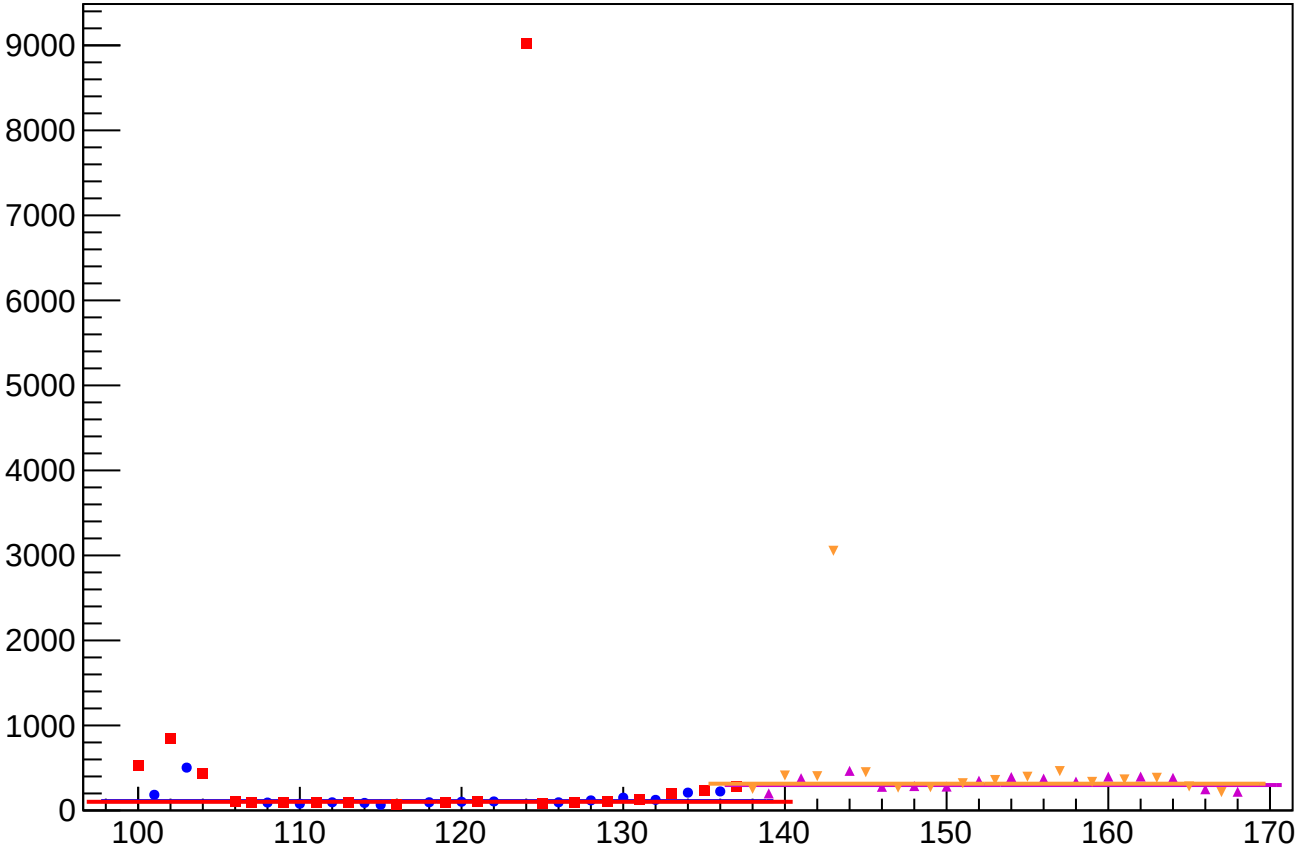
Left In: -0.099+/-0.089 χ^2/NDF:21.0/14

\+ sign 0.024+/-0.041 χ^2/NDF: 31.7/31

All: -0.000+/-0.028 χ^2/NDF: 76.6/65

\- sign -0.022+/-0.039 χ^2/NDF: 44.3/33

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: 314.725+/-0.067 χ^2/NDF:2462401.9/15

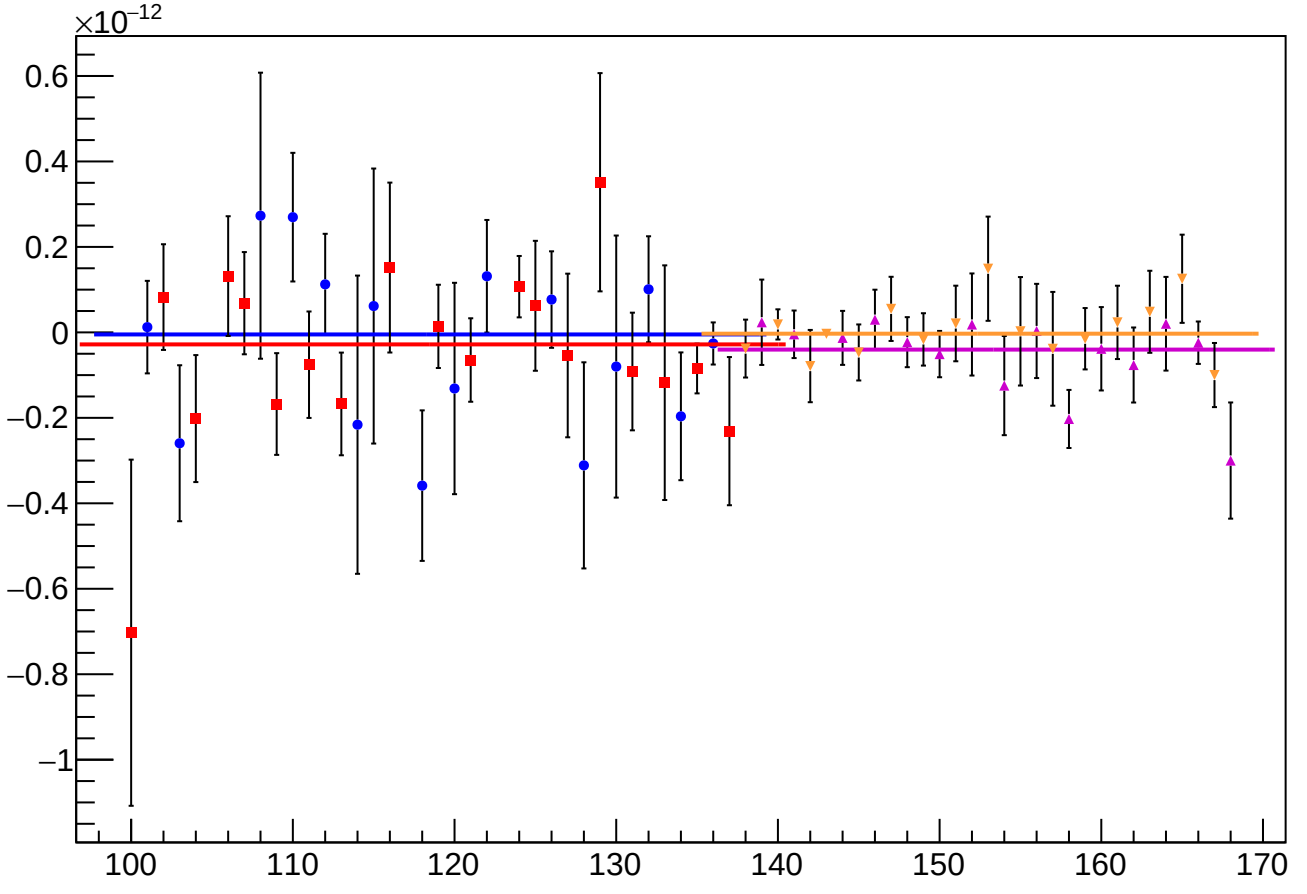
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 298.970+/-0.063 χ^2/NDF:1426442.9/14

+ sign 148.518+/-0.029 χ^2/NDF: 12080592.1/31

All: 144.006+/-0.020 χ^2/NDF: 24116097.5/65

- sign 139.895+/-0.028 χ^2/NDF: 11988798.9/33



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

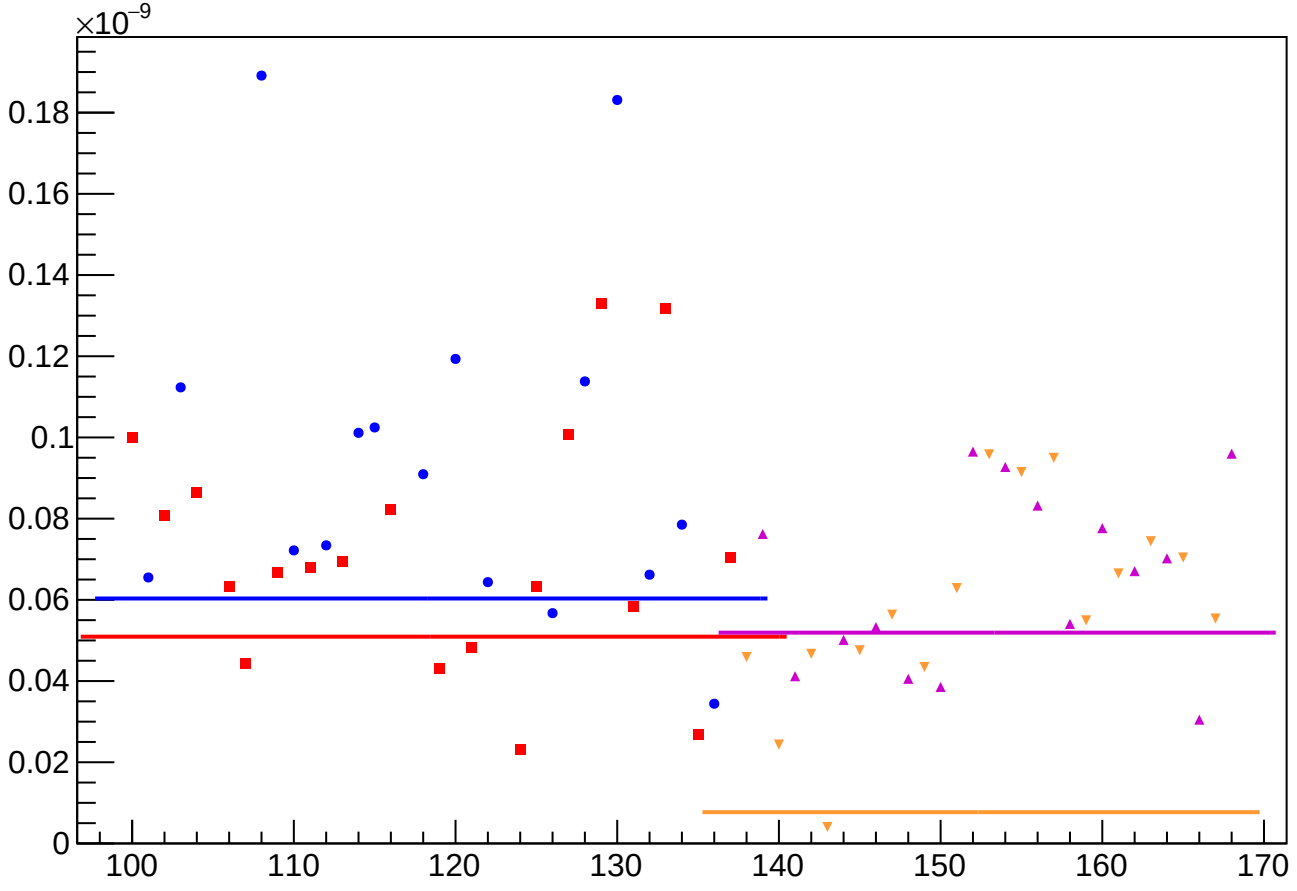
Left In: -0.000+/-0.000 χ^2/NDF:13.0/14

+ sign -0.000+/-0.000 χ^2/NDF: 25.4/31

All: -0.000+/-0.000 χ^2/NDF: 62.2/65

- sign -0.000+/-0.000 χ^2/NDF: 32.8/33

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12490576.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

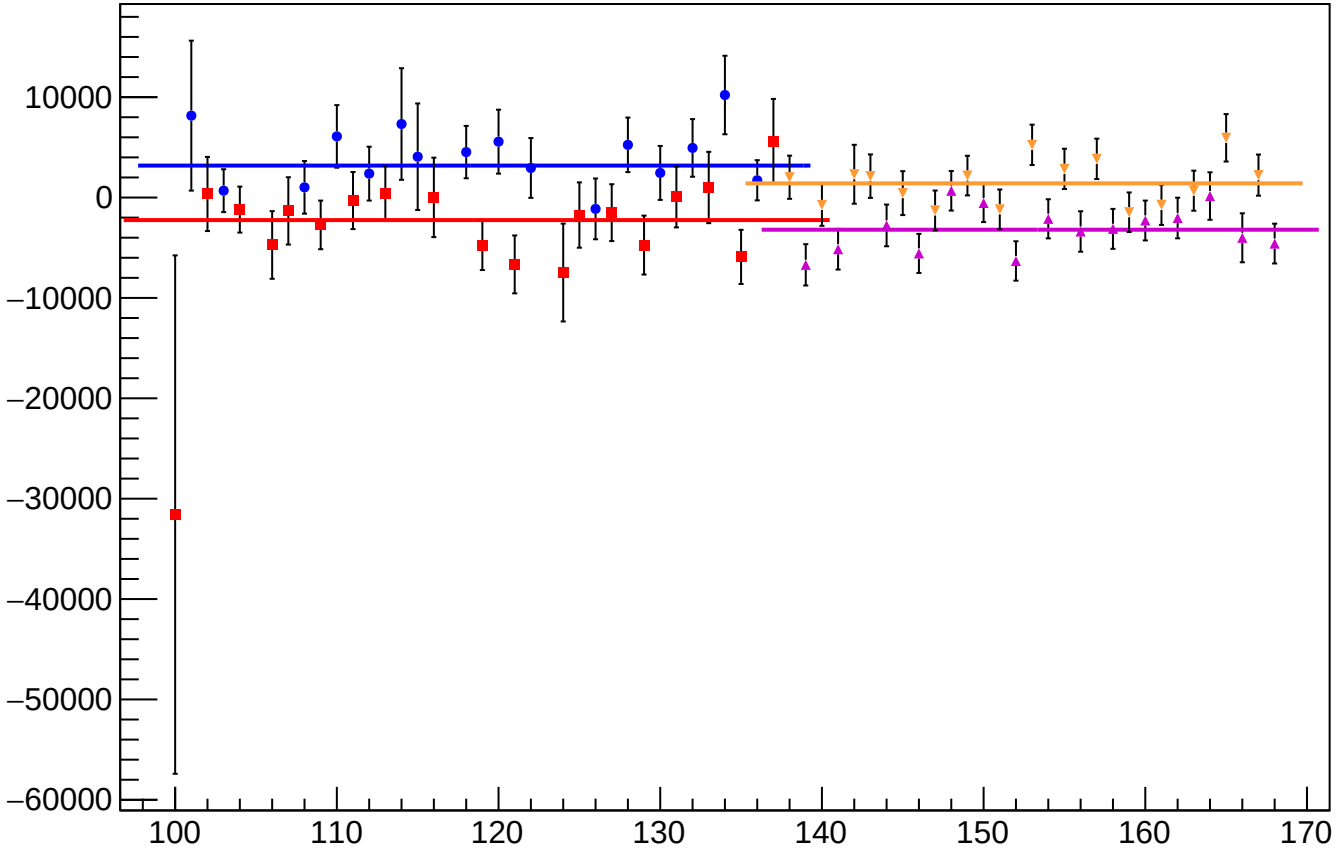
Left In: 0.000+/-0.000 χ^2/NDF:1919551.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 19576397.9/31

All: 0.000+/-0.000 χ^2/NDF: 36344324.7/65

- sign 0.000+/-0.000 χ^2/NDF: 3588350.9/33

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1413.816+/-521.876 χ^2/NDF:18.2/15

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

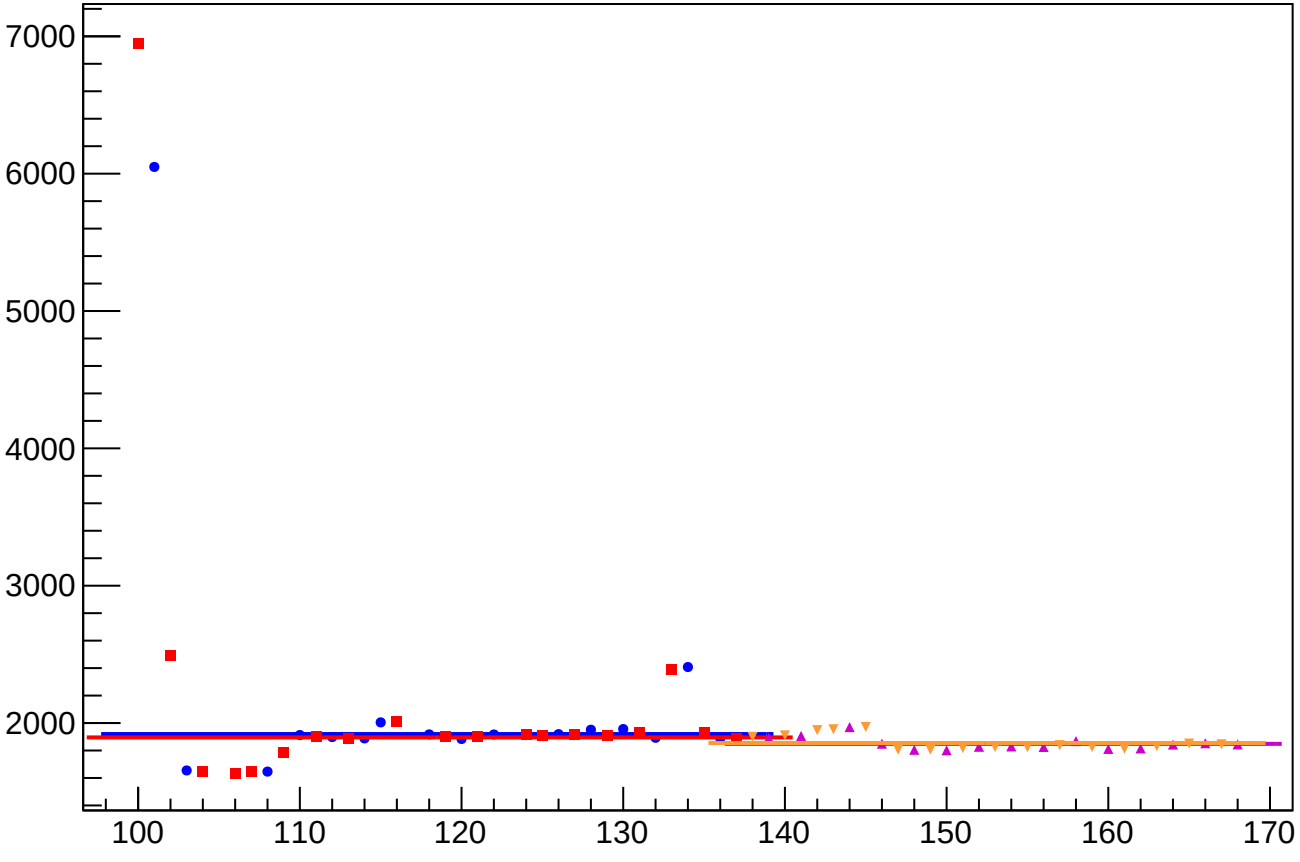
Left In: -3204.524+/-524.810 χ^2/NDF:17.2/14

+ sign 2011.203+/-424.767 χ^2/NDF: 33.7/31

All: -442.268+/-299.452 χ^2/NDF: 134.9/65

- sign -2866.436+/-422.223 χ^2/NDF: 34.8/33

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1854.601+/-0.369 χ^2/NDF:19916.8/15

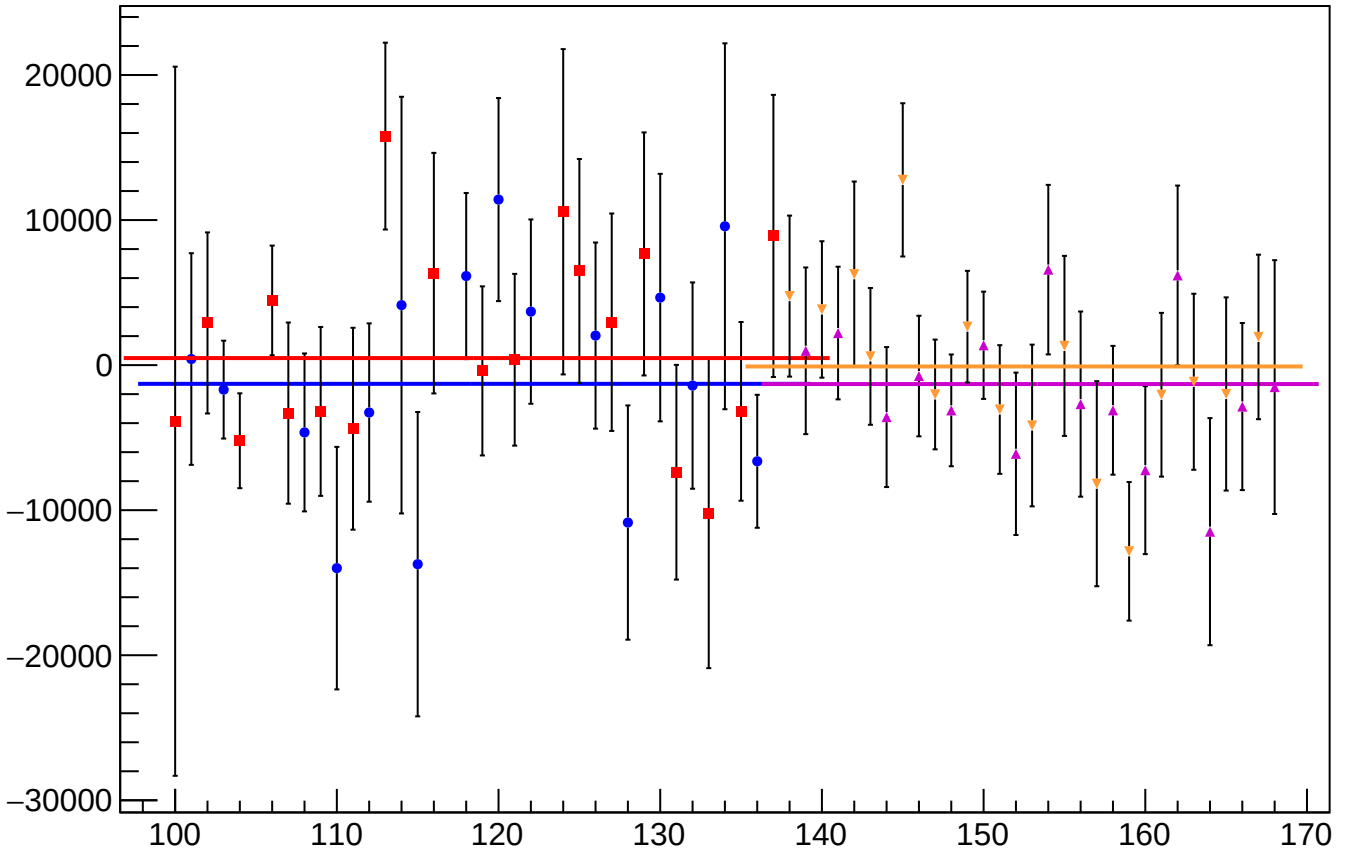
Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1848.482+/-0.371 χ^2/NDF:13726.3/14

+ sign 1876.617+/-0.300 χ^2/NDF: 727793.2/31

All: 1870.813+/-0.212 χ^2/NDF: 970189.3/65

- sign 1865.093+/-0.298 χ^2/NDF: 241654.6/33



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: -93.619+/-1285.255 χ^2/NDF:19.0/15

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

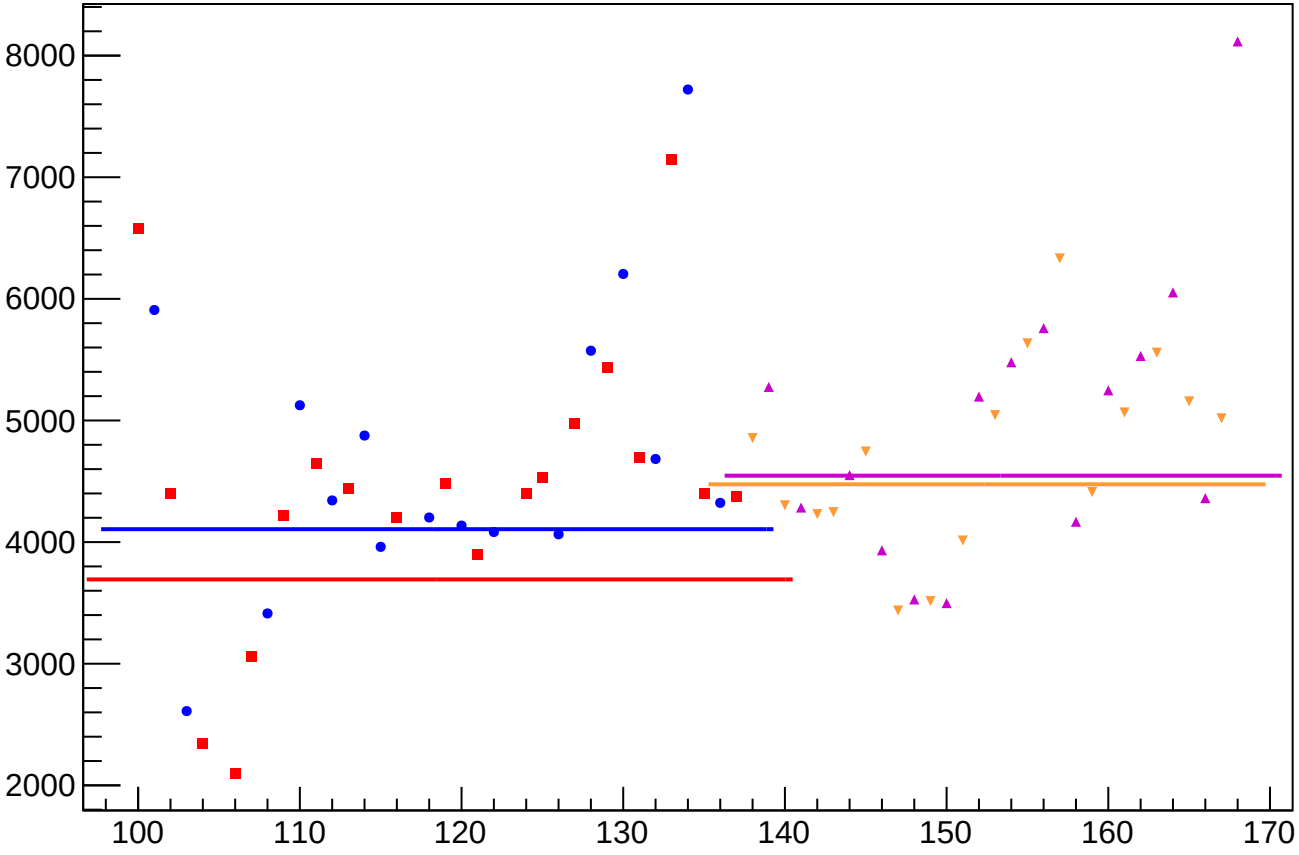
Left In: -1305.930+/-1322.980 χ^2/NDF:8.8/14

+ sign -568.258+/-998.400 χ^2/NDF: 33.6/31

All: -525.327+/-696.987 χ^2/NDF: 60.5/65

- sign -484.515+/-973.449 χ^2/NDF: 26.9/33

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4475.018+/-0.909 χ^2/NDF:675536.3/15

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

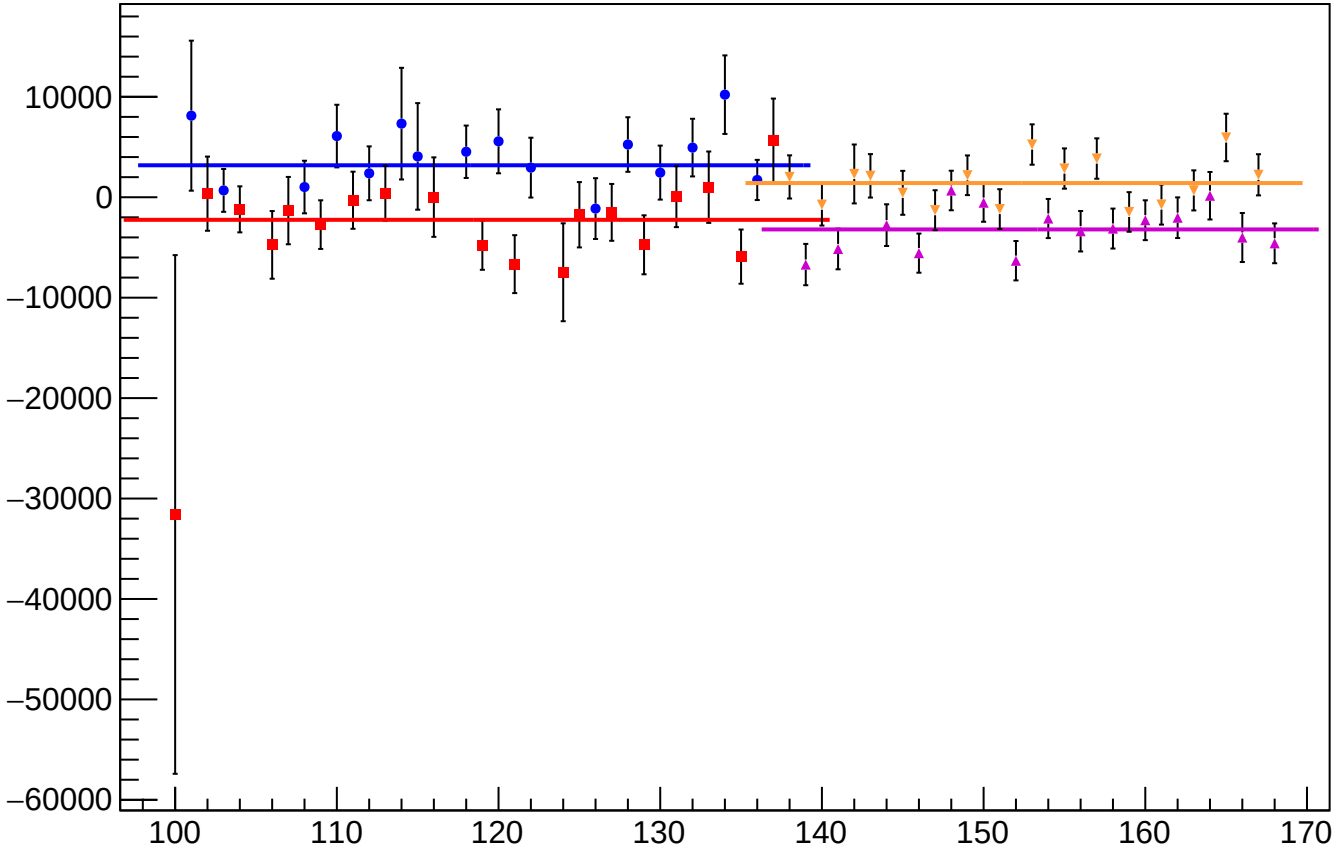
Left In: 4546.226+/-0.935 χ^2/NDF:1036294.1/14

+ sign 4328.735+/-0.706 χ^2/NDF: 1696999.0/31

All: 4239.700+/-0.493 χ^2/NDF: 4502213.9/65

- sign 4155.061+/-0.688 χ^2/NDF: 2774189.9/33

cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1413.715+/-521.876 χ^2/NDF:18.2/15

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

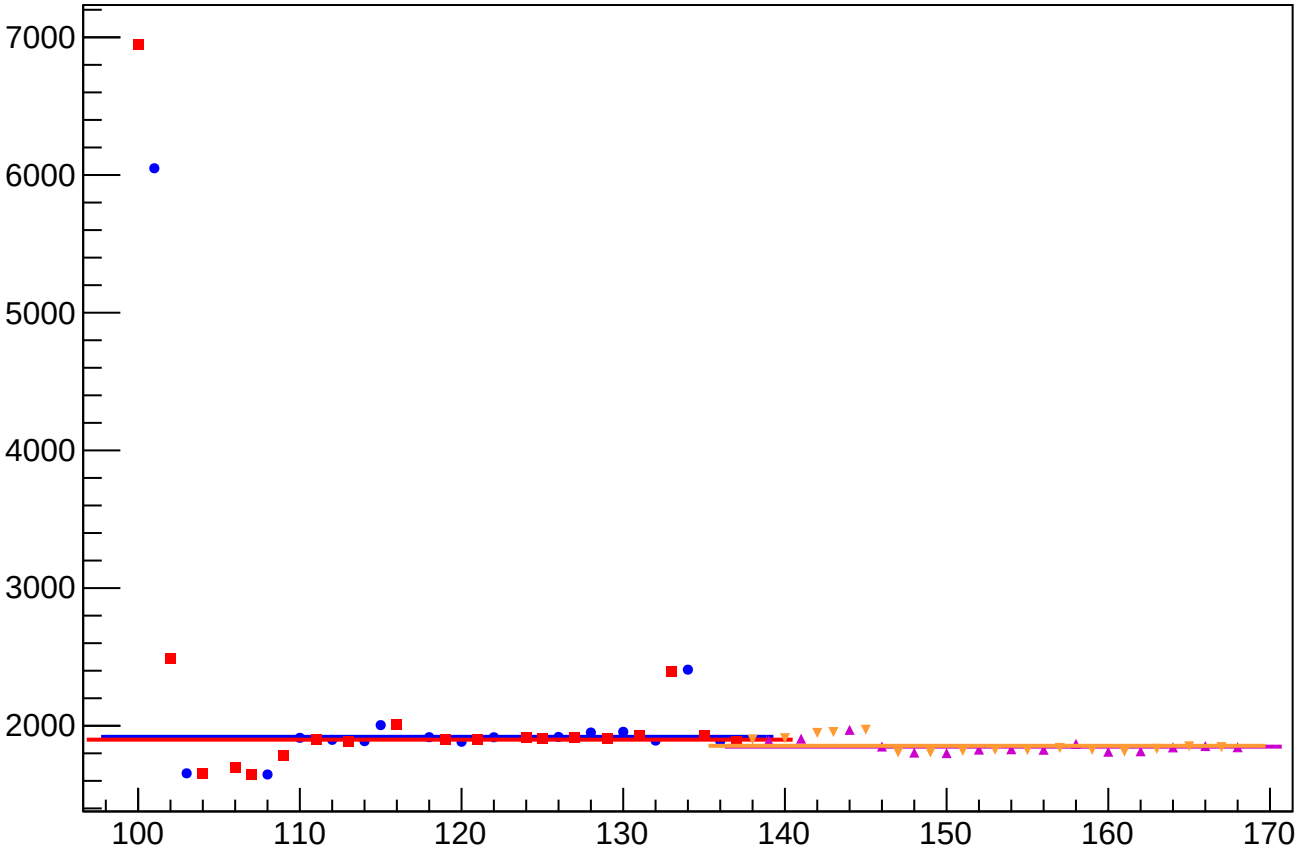
Left In: -3204.550+/-524.810 χ^2/NDF:17.2/14

+ sign 2010.888+/-424.767 χ^2/NDF: 33.7/31

All: -442.631+/-299.453 χ^2/NDF: 134.9/65

- sign -2866.856+/-422.224 χ^2/NDF: 34.8/33

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1854.602+/-0.369 χ^2/NDF:19916.8/15

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

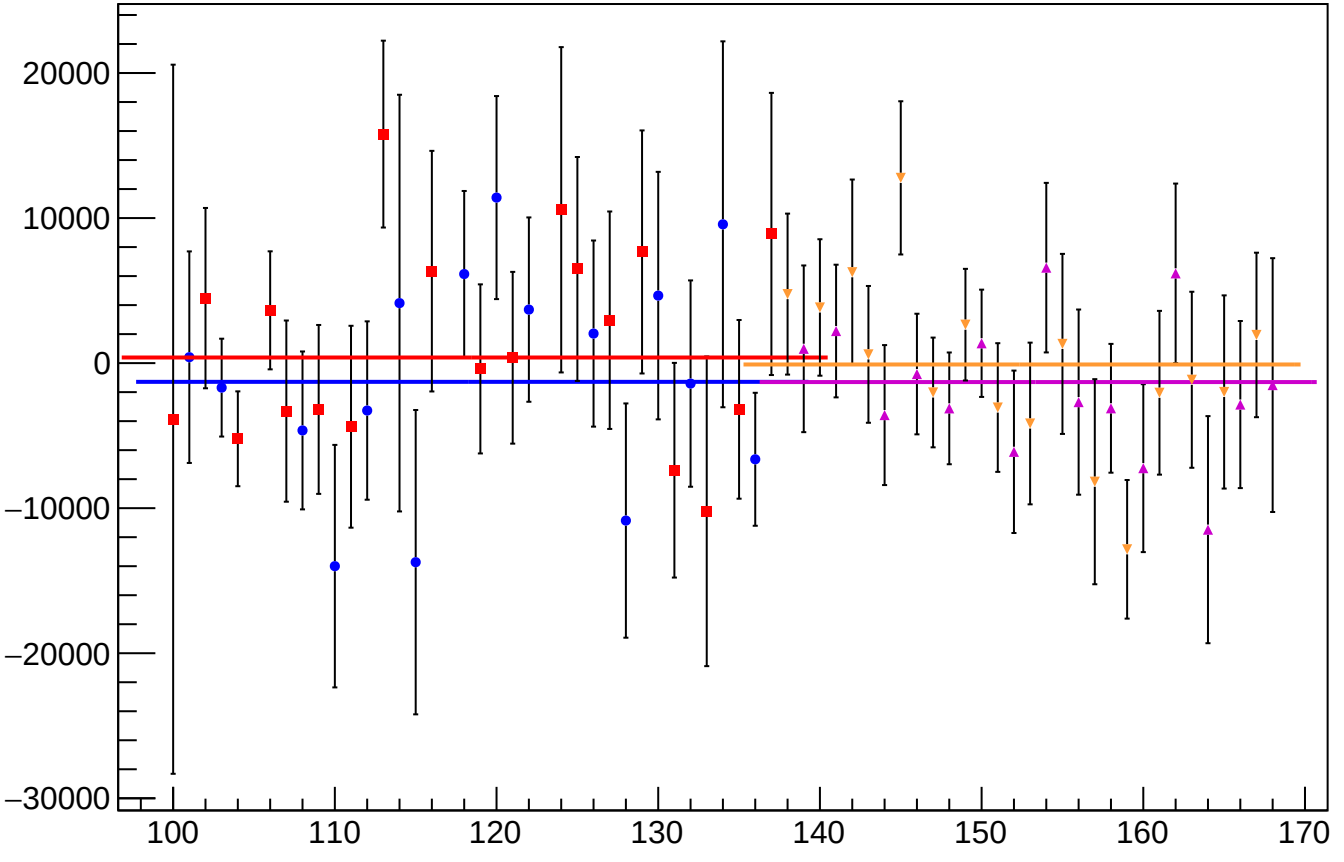
Left In: 1848.482+/-0.371 χ^2/NDF:13726.3/14

+ sign 1876.617+/-0.300 χ^2/NDF: 727792.5/31

All: 1871.509+/-0.212 χ^2/NDF: 964392.5/65

- sign 1866.467+/-0.298 χ^2/NDF: 236025.3/33

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -93.618+/-1285.252 χ^2/NDF:19.0/15

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

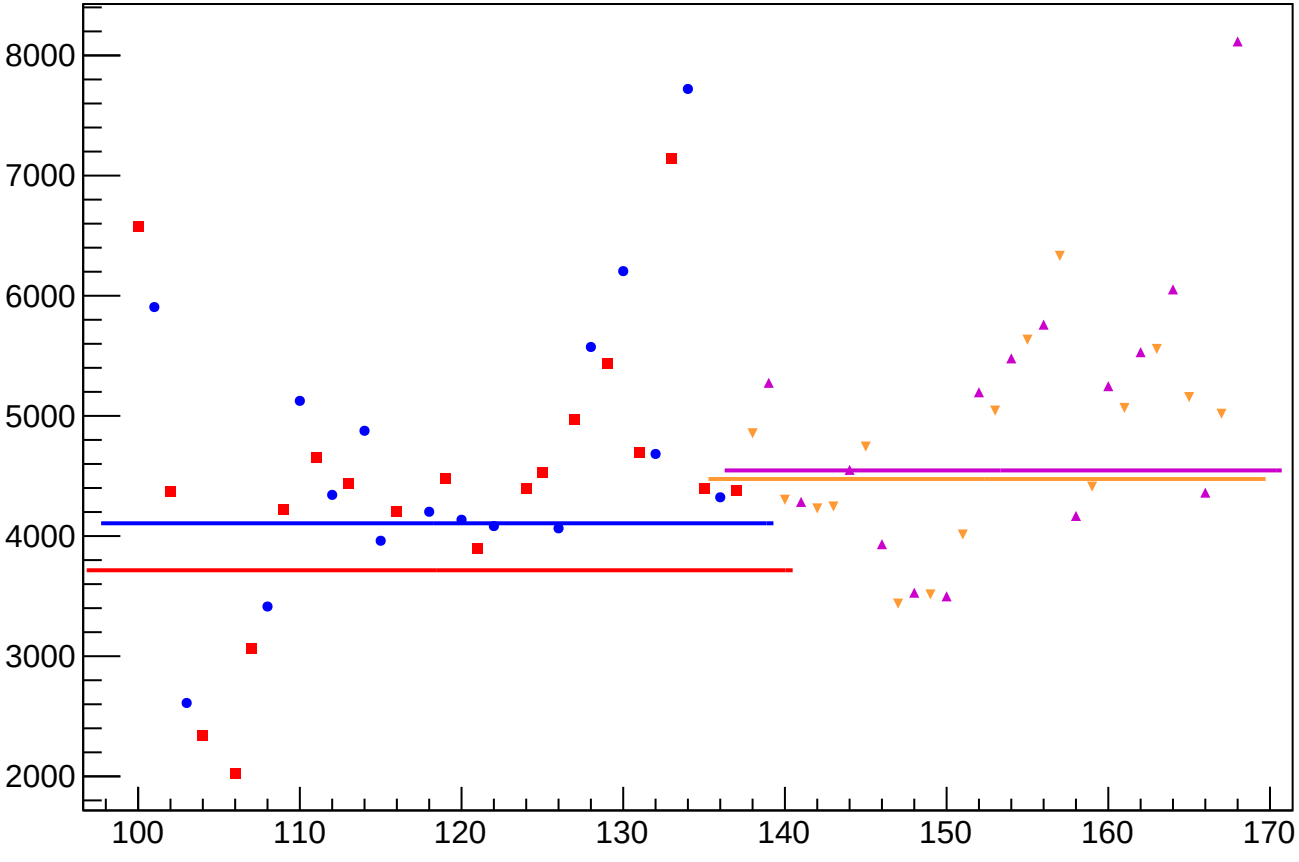
Left In: -1305.966+/-1322.981 χ^2/NDF:8.8/14

+ sign -568.401+/-998.400 χ^2/NDF: 33.6/31

All: -552.612+/-698.572 χ^2/NDF: 60.1/65

- sign -537.469+/-977.783 χ^2/NDF: 26.5/33

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4475.006+/-0.909 χ^2/NDF:675551.1/15

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

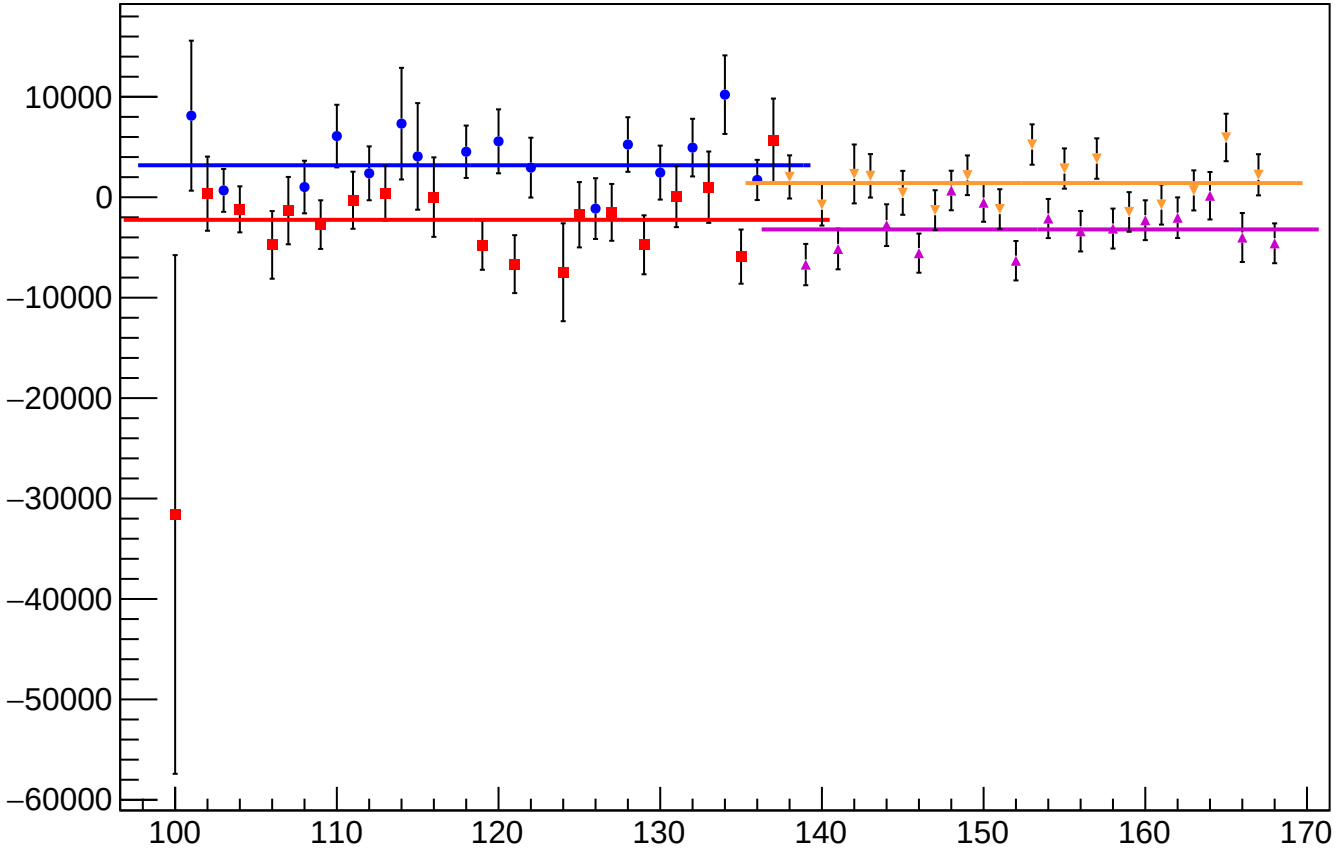
Left In: 4546.230+/-0.935 χ^2/NDF:1036286.6/14

+ sign 4328.765+/-0.706 χ^2/NDF: 1696477.4/31

All: 4247.286+/-0.494 χ^2/NDF: 4452045.8/65

- sign 4169.137+/-0.691 χ^2/NDF: 2729472.3/33

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1413.715+/-521.876 χ^2/NDF:18.2/15

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

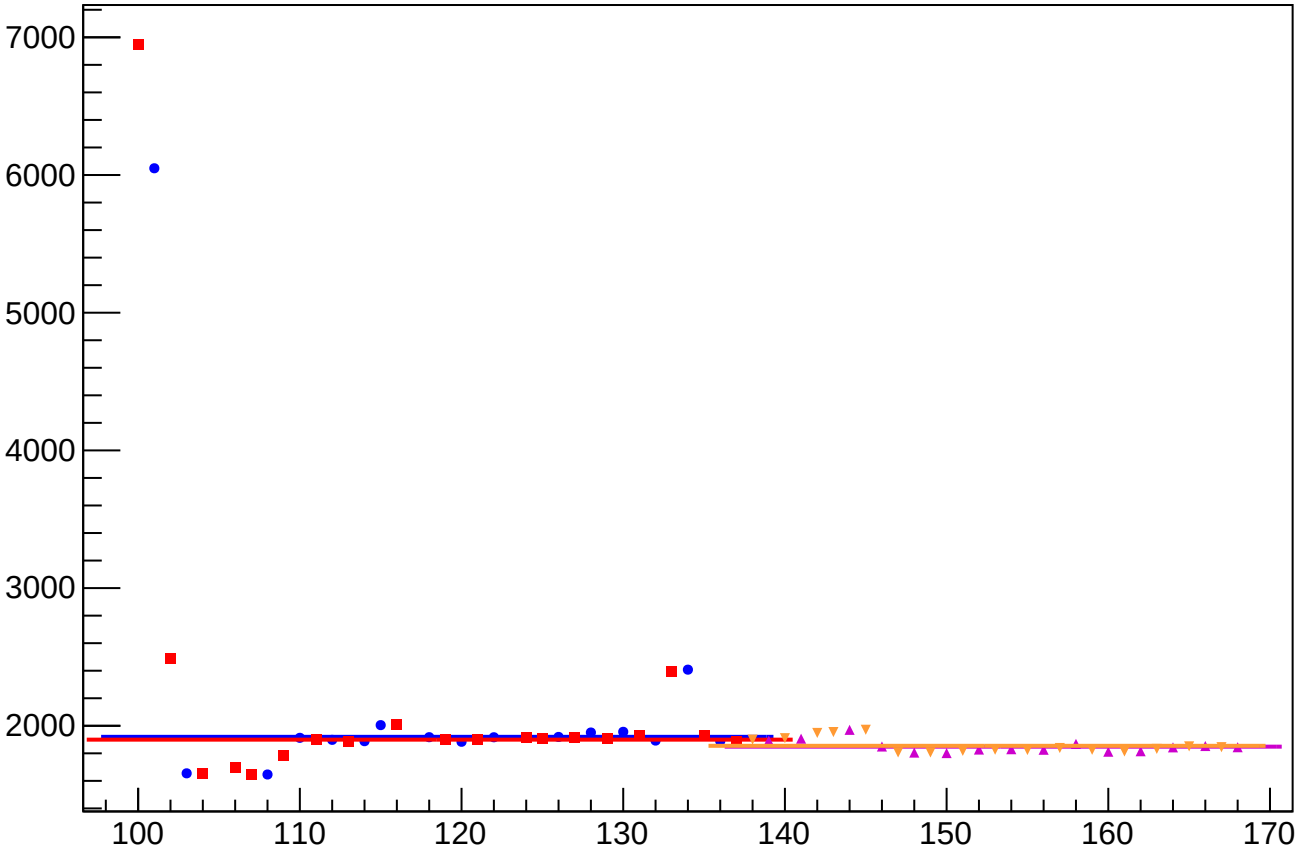
Left In: -3204.550+/-524.810 χ^2/NDF:17.2/14

+ sign 2010.888+/-424.767 χ^2/NDF: 33.7/31

All: -442.631+/-299.453 χ^2/NDF: 134.9/65

- sign -2866.856+/-422.224 χ^2/NDF: 34.8/33

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1854.602+/-0.369 χ^2/NDF:19916.8/15

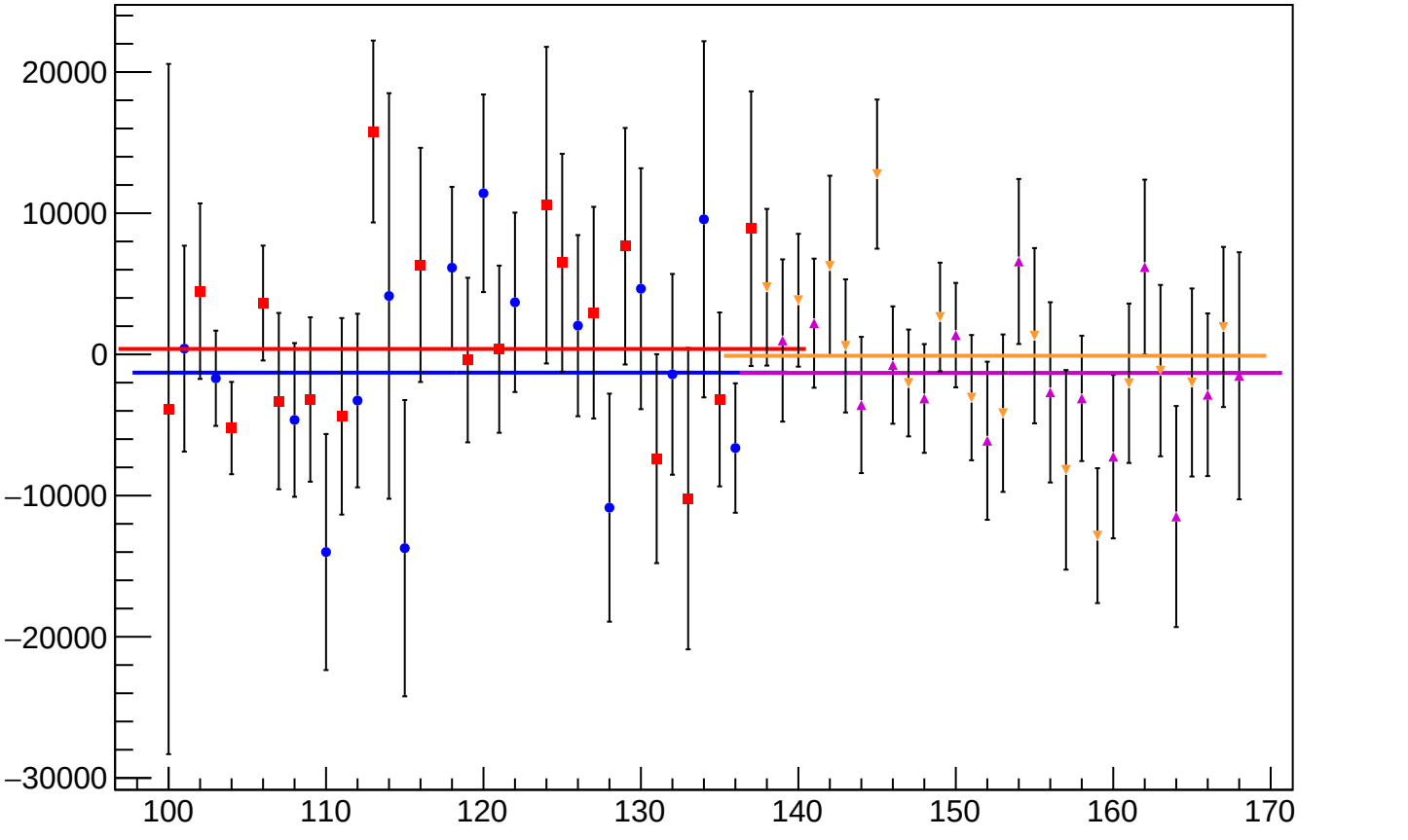
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1848.482+/-0.371 χ^2/NDF:13726.3/14

+ sign 1876.617+/-0.300 χ^2/NDF: 727792.5/31

All: 1871.509+/-0.212 χ^2/NDF: 964392.5/65

- sign 1866.467+/-0.298 χ^2/NDF: 236025.3/33



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -93.618+/-1285.252 χ^2/NDF:19.0/15

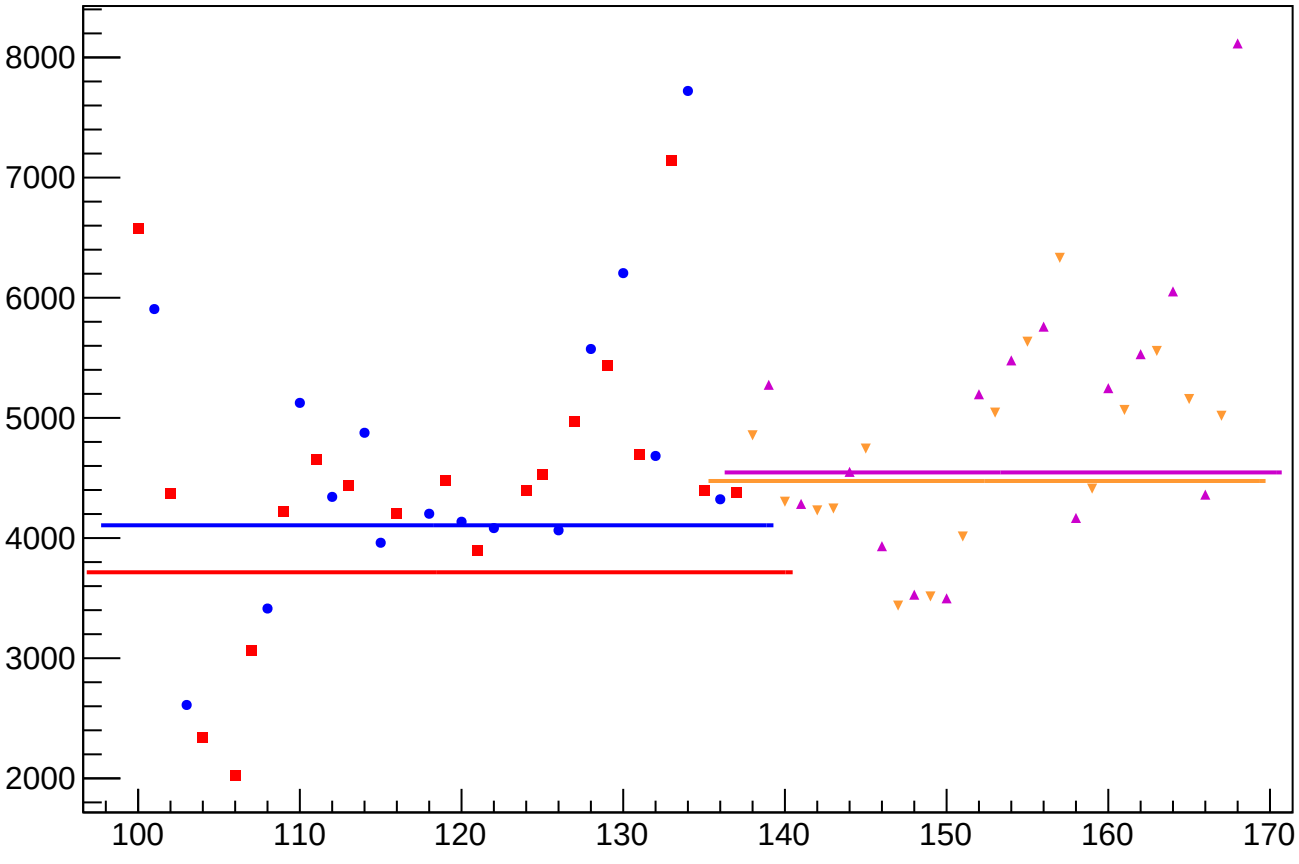
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -1305.966+/-1322.981 χ^2/NDF:8.8/14

+ sign -568.401+/-998.400 χ^2/NDF: 33.6/31

All: -552.612+/-698.572 χ^2/NDF: 60.1/65

- sign -537.469+/-977.783 χ^2/NDF: 26.5/33



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4475.006+/-0.909 χ^2/NDF:675551.1/15

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

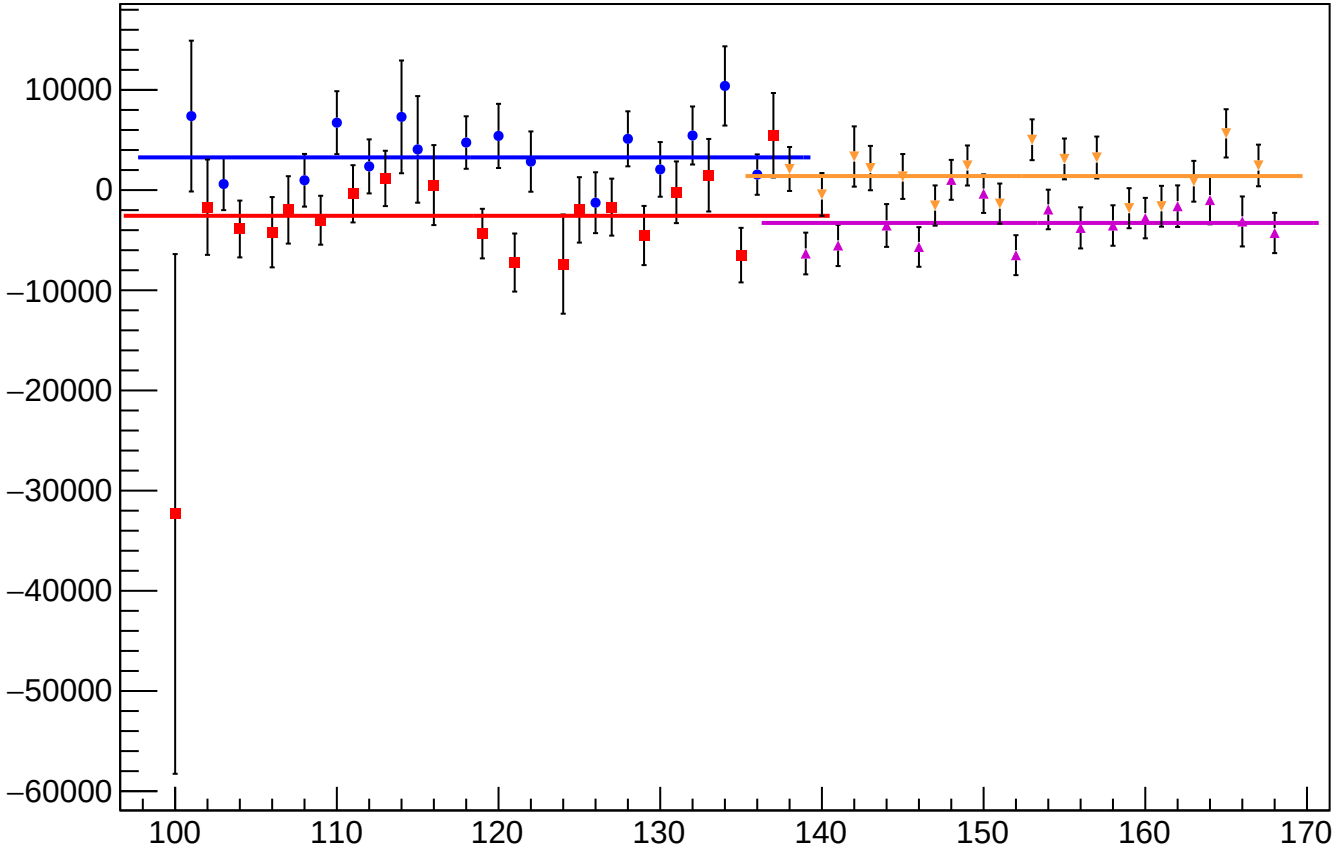
Left In: 4546.230+/-0.935 χ^2/NDF:1036286.6/14

+ sign 4328.765+/-0.706 χ^2/NDF: 1696477.4/31

All: 4247.286+/-0.494 χ^2/NDF: 4452045.8/65

- sign 4169.137+/-0.691 χ^2/NDF: 2729472.3/33

dit_asym_atr_avg_mean vs Slug



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1400.674+/-531.975 χ^2/NDF:18.6/15

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

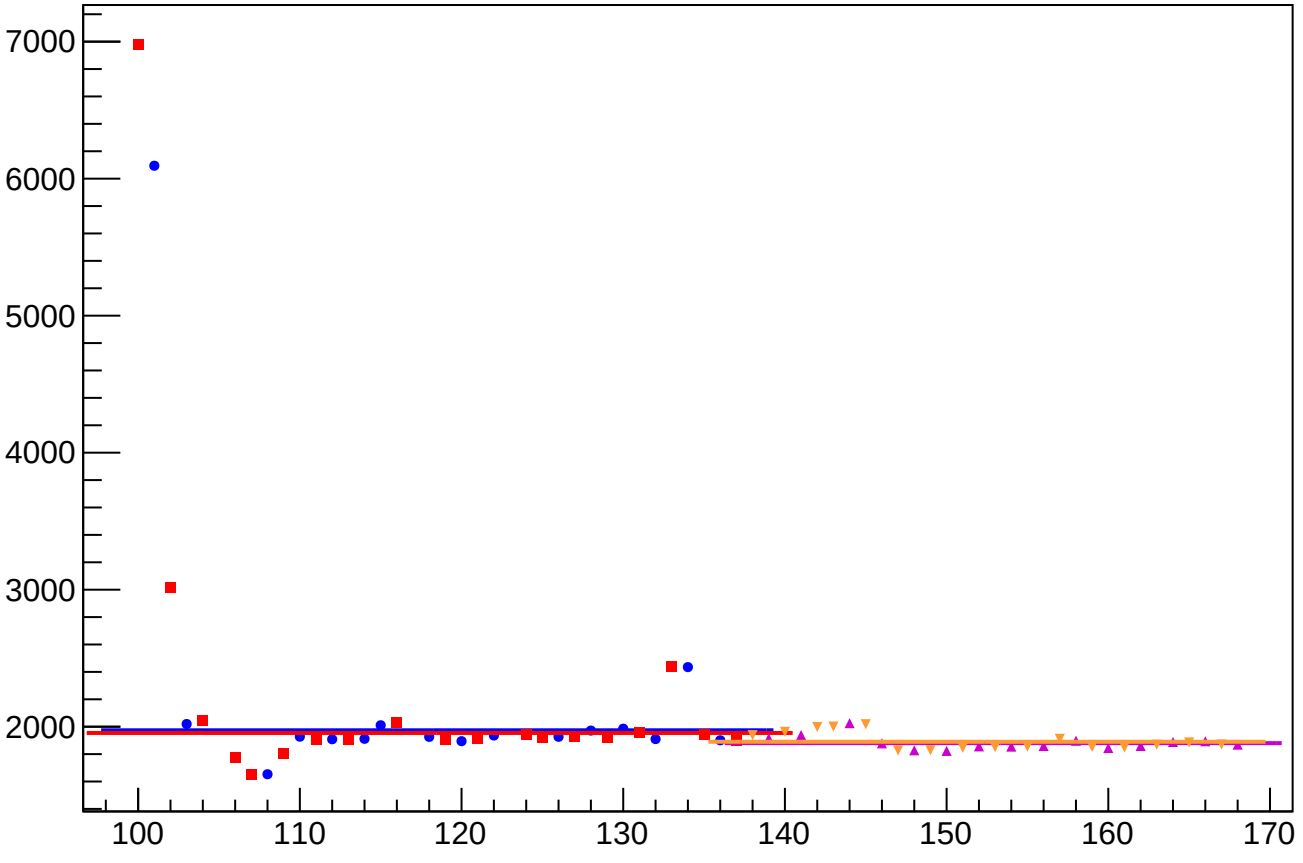
Left In: -3278.755+/-533.833 χ^2/NDF:16.8/14

+ sign 2023.608+/-434.074 χ^2/NDF: 34.8/31

All: -517.263+/-306.167 χ^2/NDF: 137.4/65

- sign -3032.792+/-431.904 χ^2/NDF: 34.4/33

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1890.182+/-0.376 χ^2/NDF:25794.2/15

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

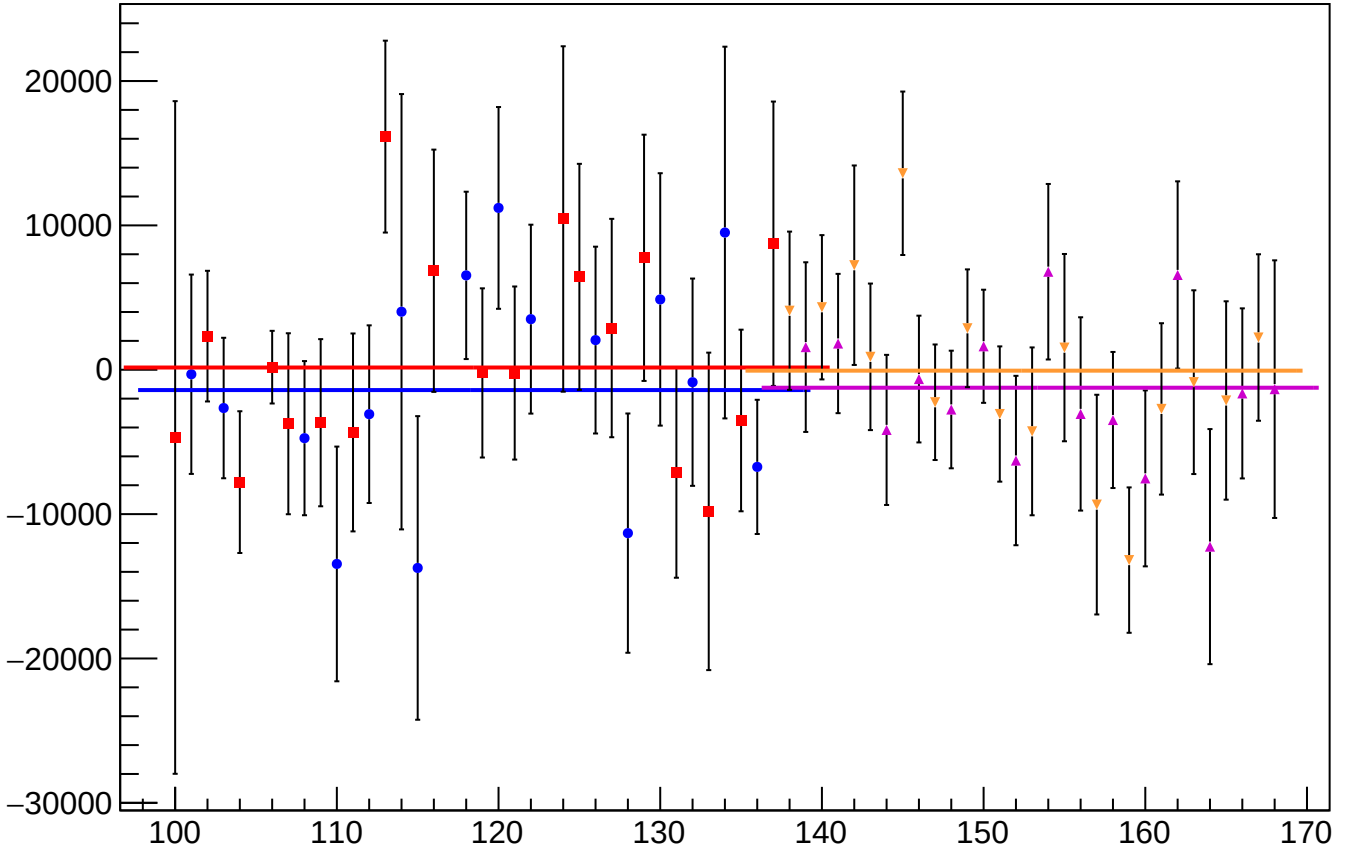
Left In: 1880.095+/-0.377 χ^2/NDF:16594.9/14

+ sign 1918.110+/-0.307 χ^2/NDF: 707411.9/31

All: 1911.907+/-0.216 χ^2/NDF: 984408.5/65

- sign 1905.769+/-0.305 χ^2/NDF: 276184.2/33

asym_atr_avg_dit_correction_mean vs Slug



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: -62.832+/-1352.384 χ^2/NDF:18.9/15

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

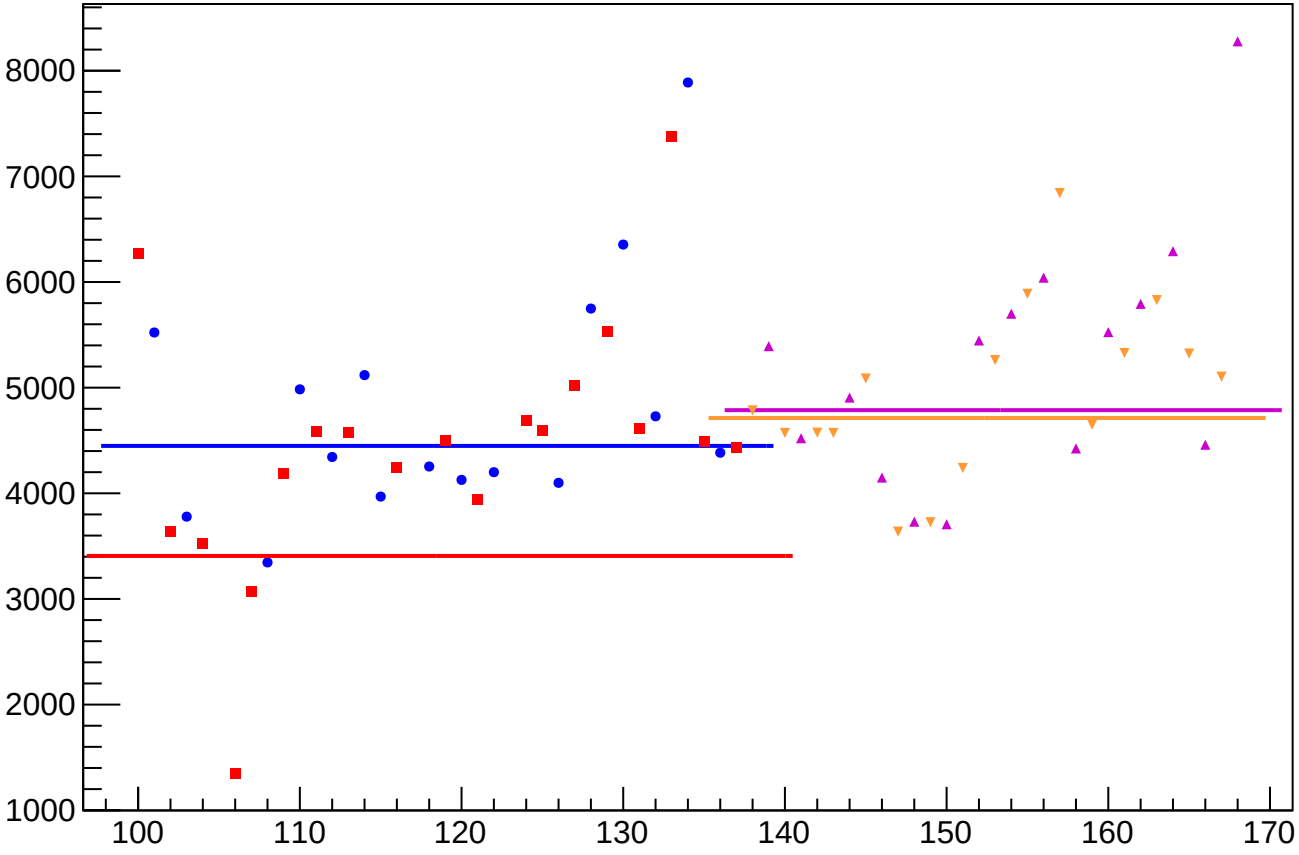
Left In: -1244.726+/-1391.075 χ^2/NDF:8.8/14

+ sign -587.721+/-1055.915 χ^2/NDF: 33.5/31

All: -556.954+/-715.850 χ^2/NDF: 58.6/65

- sign -530.787+/-973.795 χ^2/NDF: 25.1/33

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4713.112+/-0.956 χ^2/NDF:643448.4/15

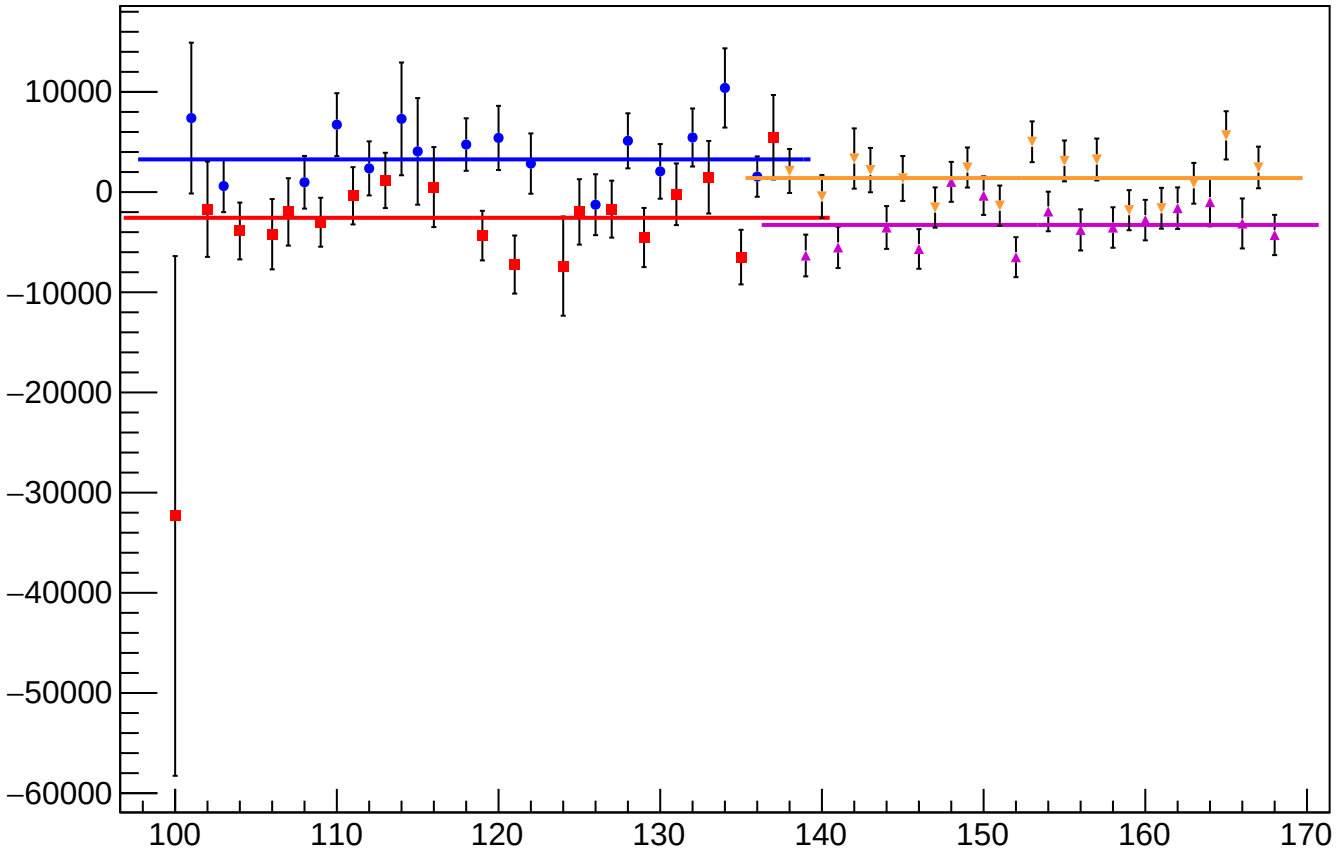
Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4787.061+/-0.984 χ^2/NDF:967480.7/14

+ sign 4609.895+/-0.747 χ^2/NDF: 1167905.2/31

All: 4325.356+/-0.506 χ^2/NDF: 5733837.0/65

- sign 4083.354+/-0.689 χ^2/NDF: 4297183.4/33



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1400.666+/-531.975 χ^2/NDF:18.6/15

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

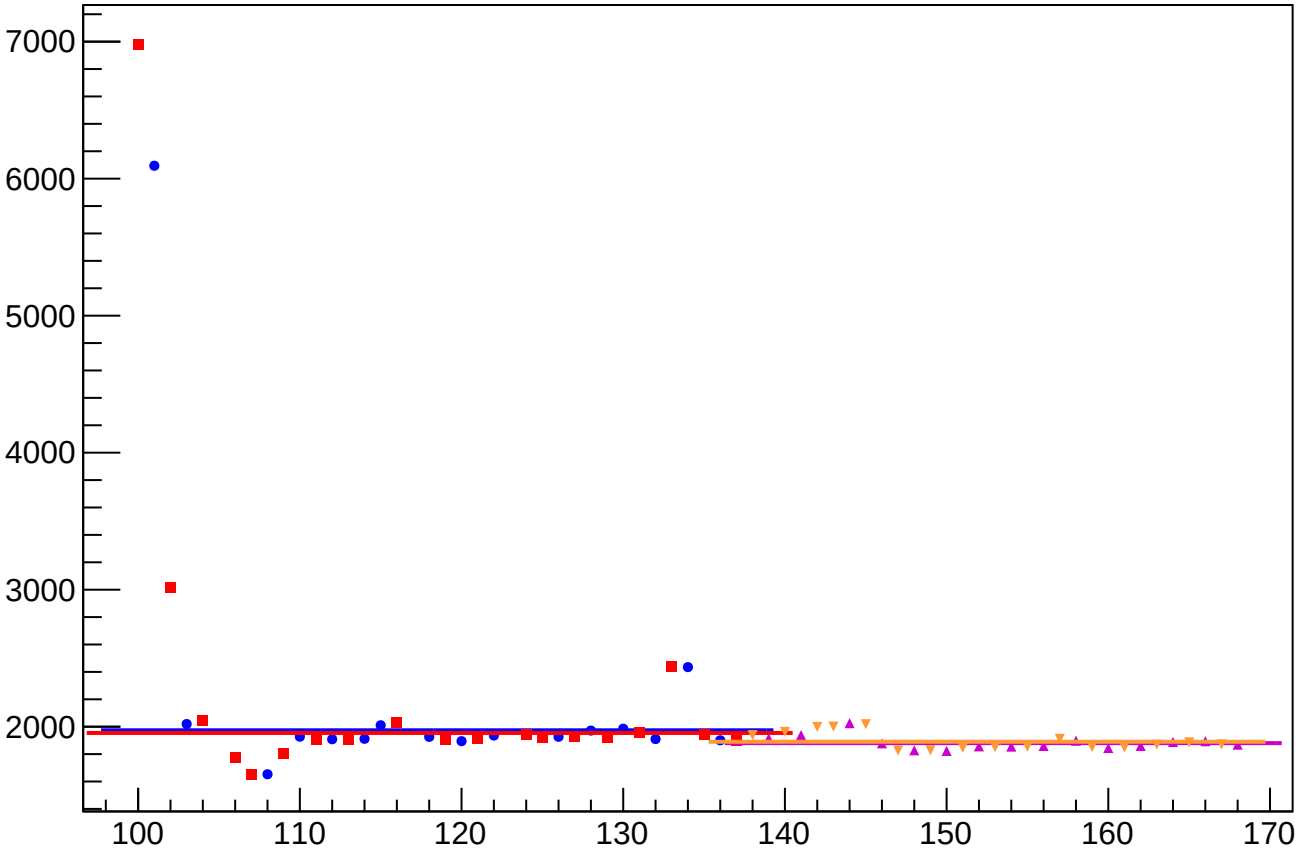
Left In: -3278.758+/-533.833 χ^2/NDF:16.8/14

+ sign 2023.604+/-434.074 χ^2/NDF: 34.8/31

All: -517.267+/-306.167 χ^2/NDF: 137.4/65

- sign -3032.796+/-431.904 χ^2/NDF: 34.4/33

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1890.183+/-0.376 χ^2/NDF:25794.2/15

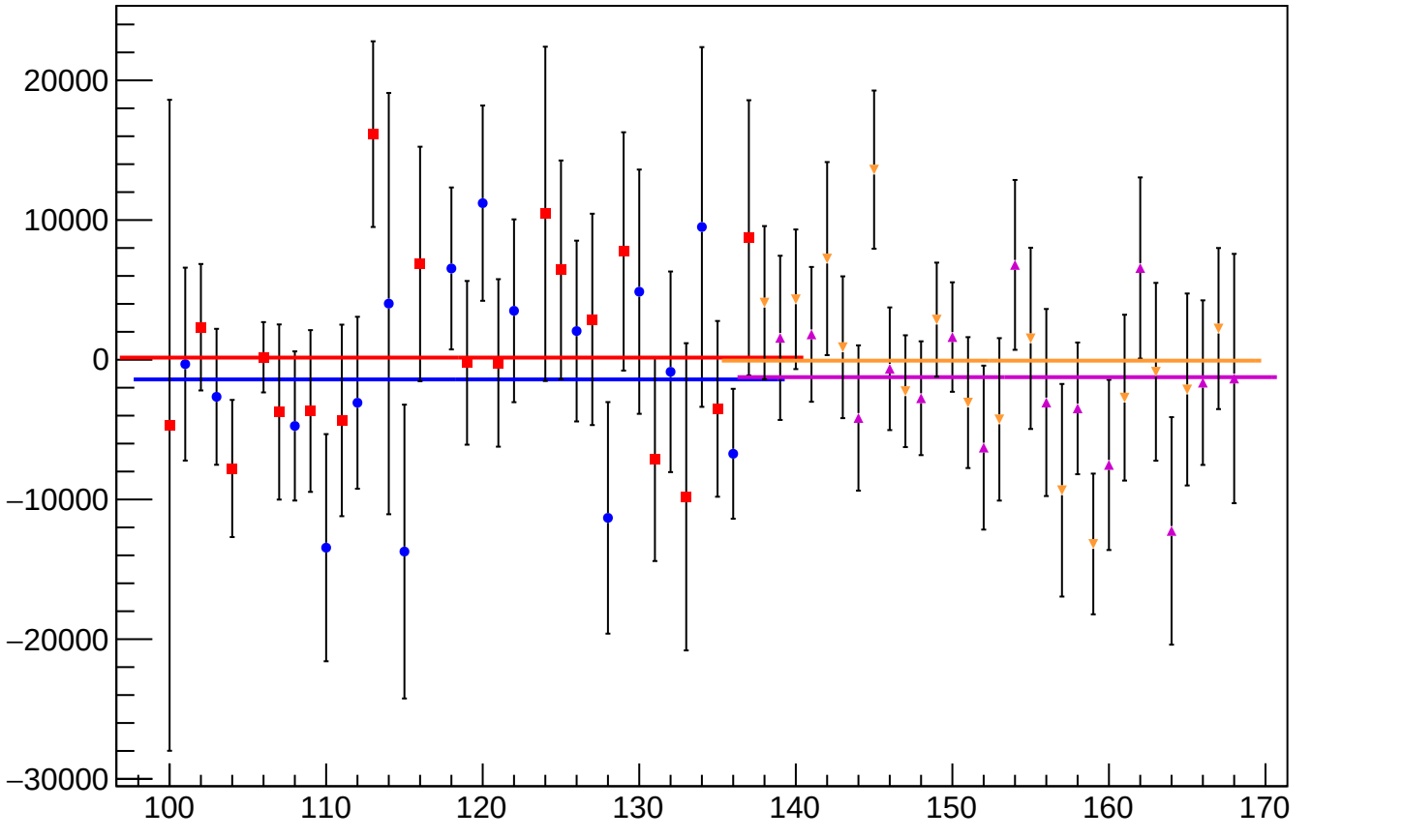
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1880.095+/-0.377 χ^2/NDF:16594.8/14

+ sign 1918.110+/-0.307 χ^2/NDF: 707411.4/31

All: 1911.907+/-0.216 χ^2/NDF: 984407.1/65

- sign 1905.770+/-0.305 χ^2/NDF: 276183.2/33



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: -62.837+/-1352.387 χ^2/NDF:18.9/15

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

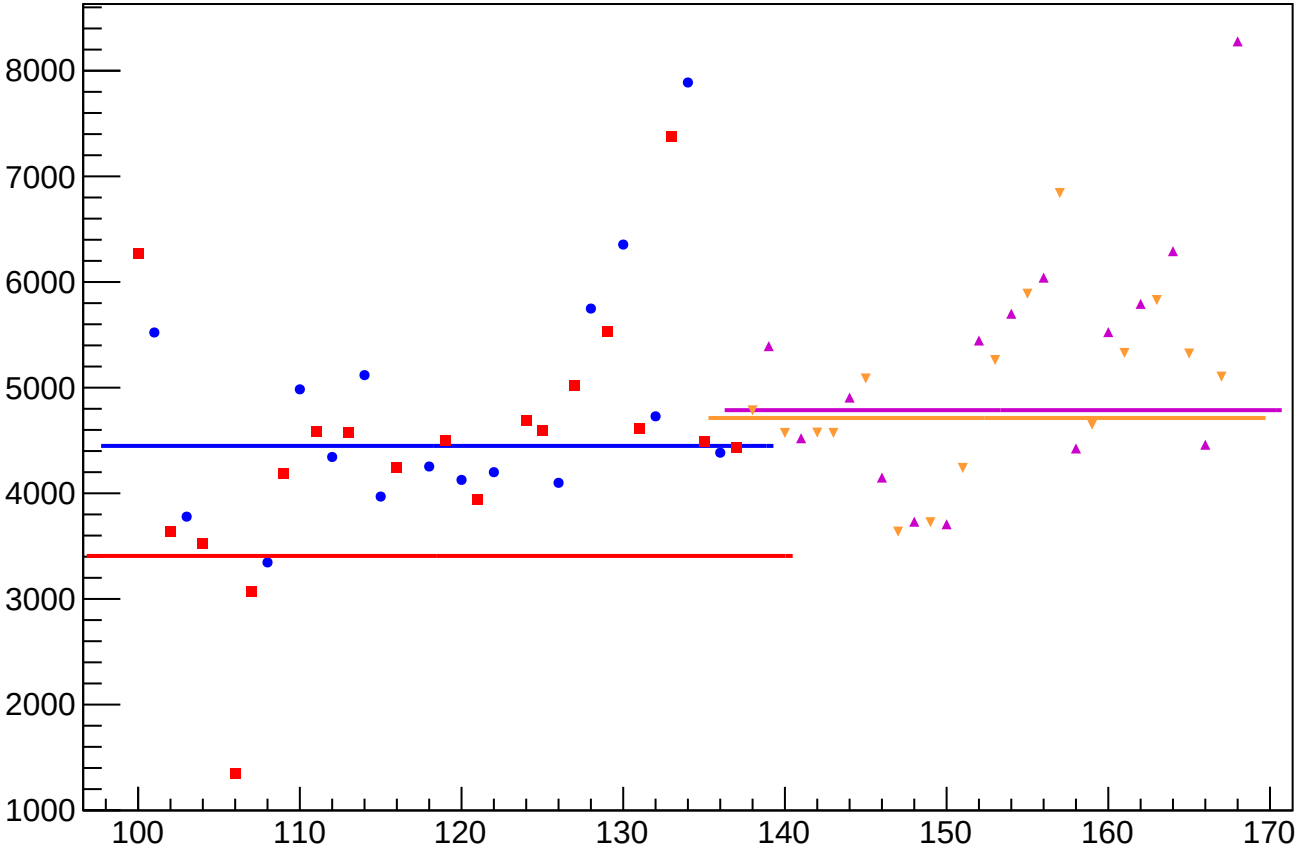
Left In: -1244.724+/-1391.077 χ^2/NDF:8.8/14

+ sign -587.719+/-1055.915 χ^2/NDF: 33.5/31

All: -556.951+/-715.850 χ^2/NDF: 58.6/65

- sign -530.783+/-973.794 χ^2/NDF: 25.1/33

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4713.120+/-0.956 χ^2/NDF:643449.1/15

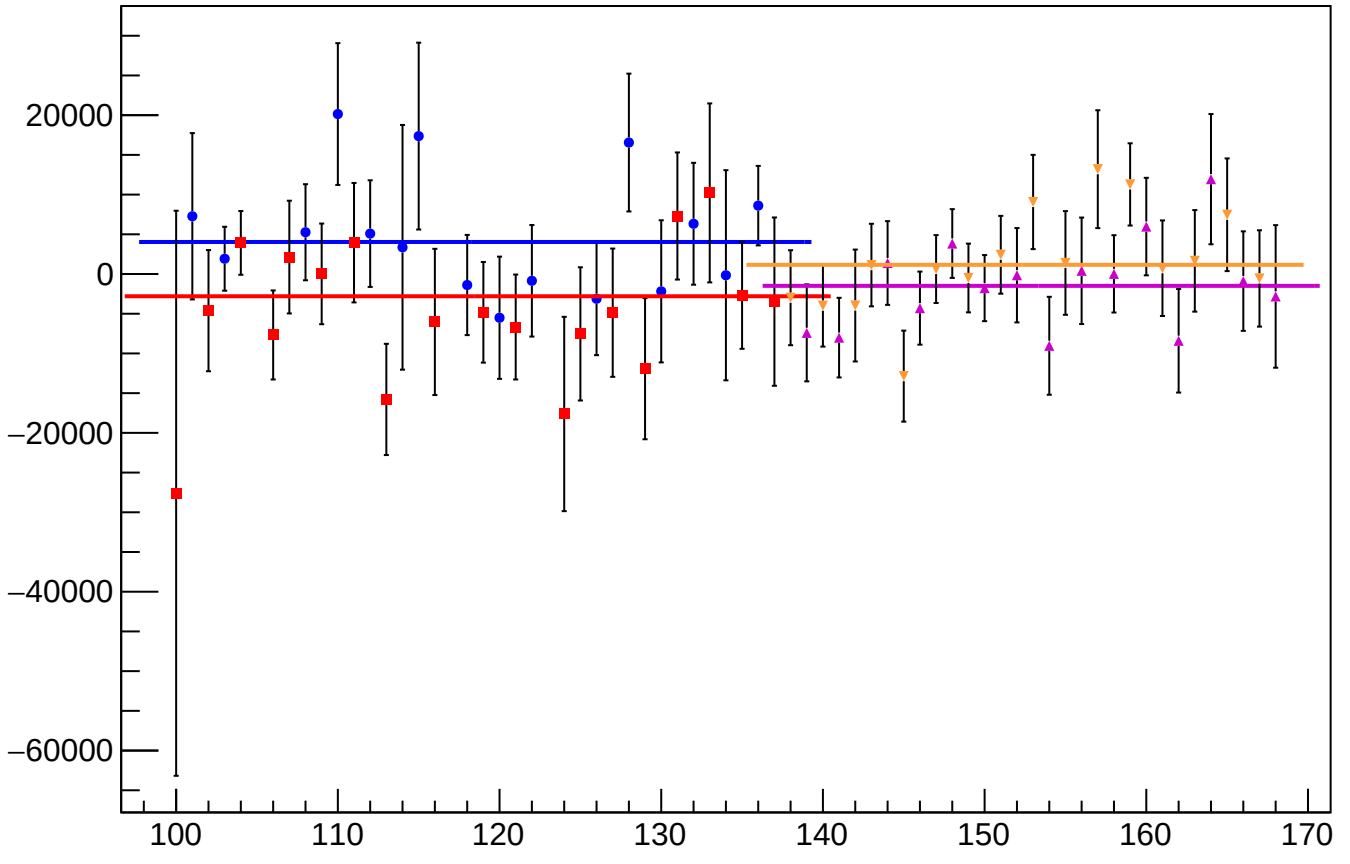
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4787.069+/-0.984 χ^2/NDF:967480.3/14

+ sign 4609.896+/-0.747 χ^2/NDF: 1167906.5/31

All: 4325.355+/-0.506 χ^2/NDF: 5733869.9/65

- sign 4083.351+/-0.689 χ^2/NDF: 4297210.5/33



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 1157.792+/-1400.957 χ^2/NDF:17.3/15

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

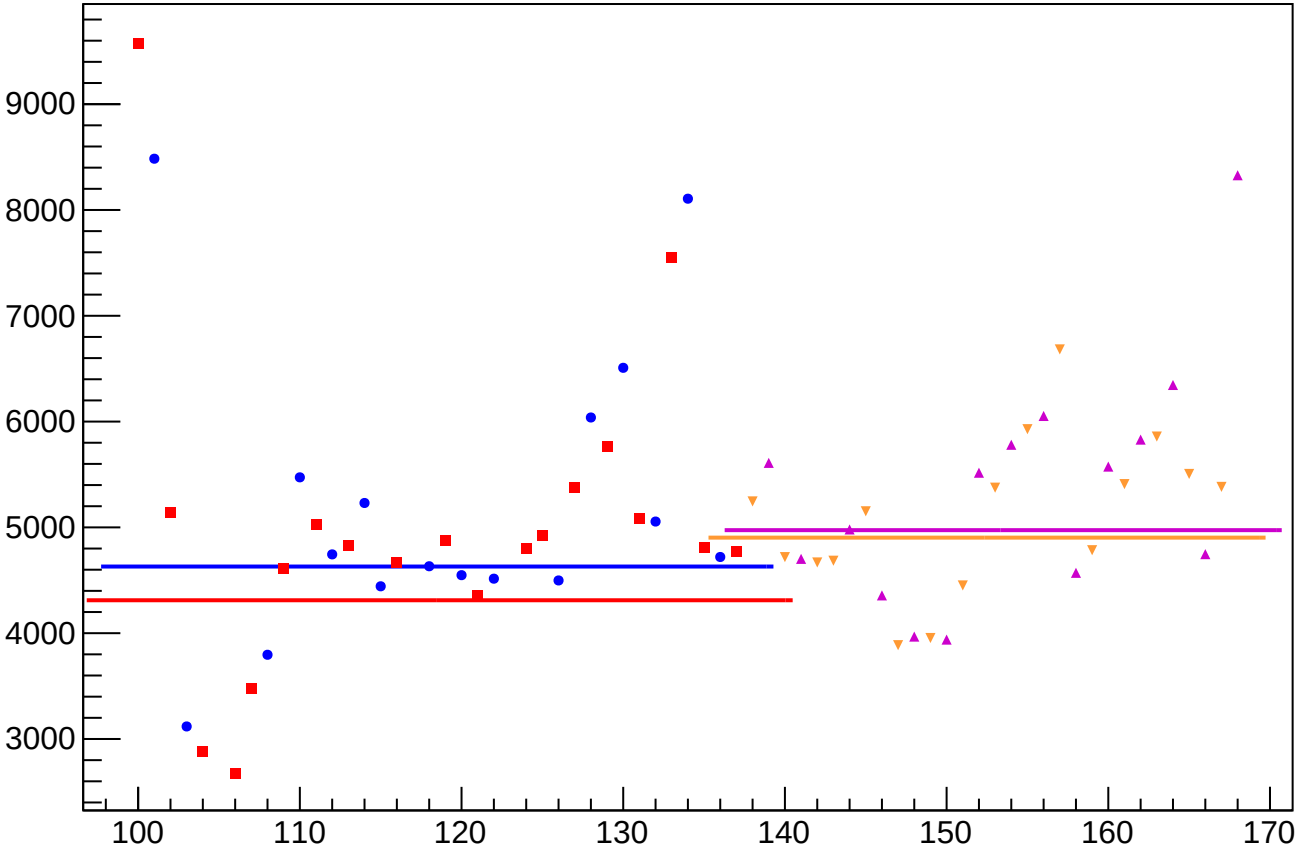
Left In: -1489.450+/-1439.102 χ^2/NDF:11.9/14

+ sign 2256.635+/-1101.361 χ^2/NDF: 31.3/31

All: 83.645+/-774.979 χ^2/NDF: 66.7/65

- sign -2047.443+/-1090.690 χ^2/NDF: 27.7/33

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4903.170+/-0.991 χ^2/NDF:508502.3/15

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

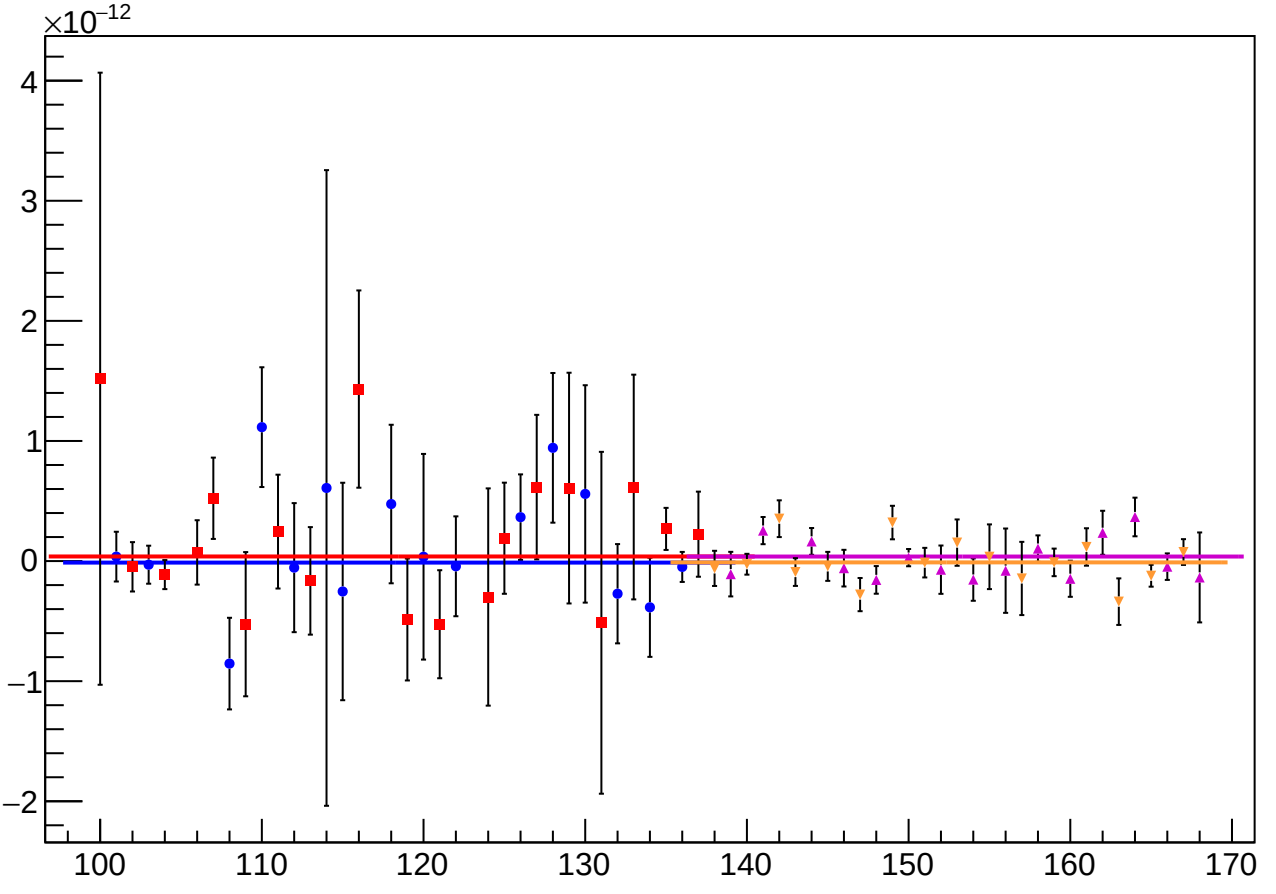
Left In: 4973.801+/-1.018 χ^2/NDF:803138.2/14

+ sign 4798.815+/-0.779 χ^2/NDF: 1437801.0/31

All: 4743.165+/-0.547 χ^2/NDF: 3337992.4/65

- sign 4688.992+/-0.768 χ^2/NDF: 1890114.3/33

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:22.4/15

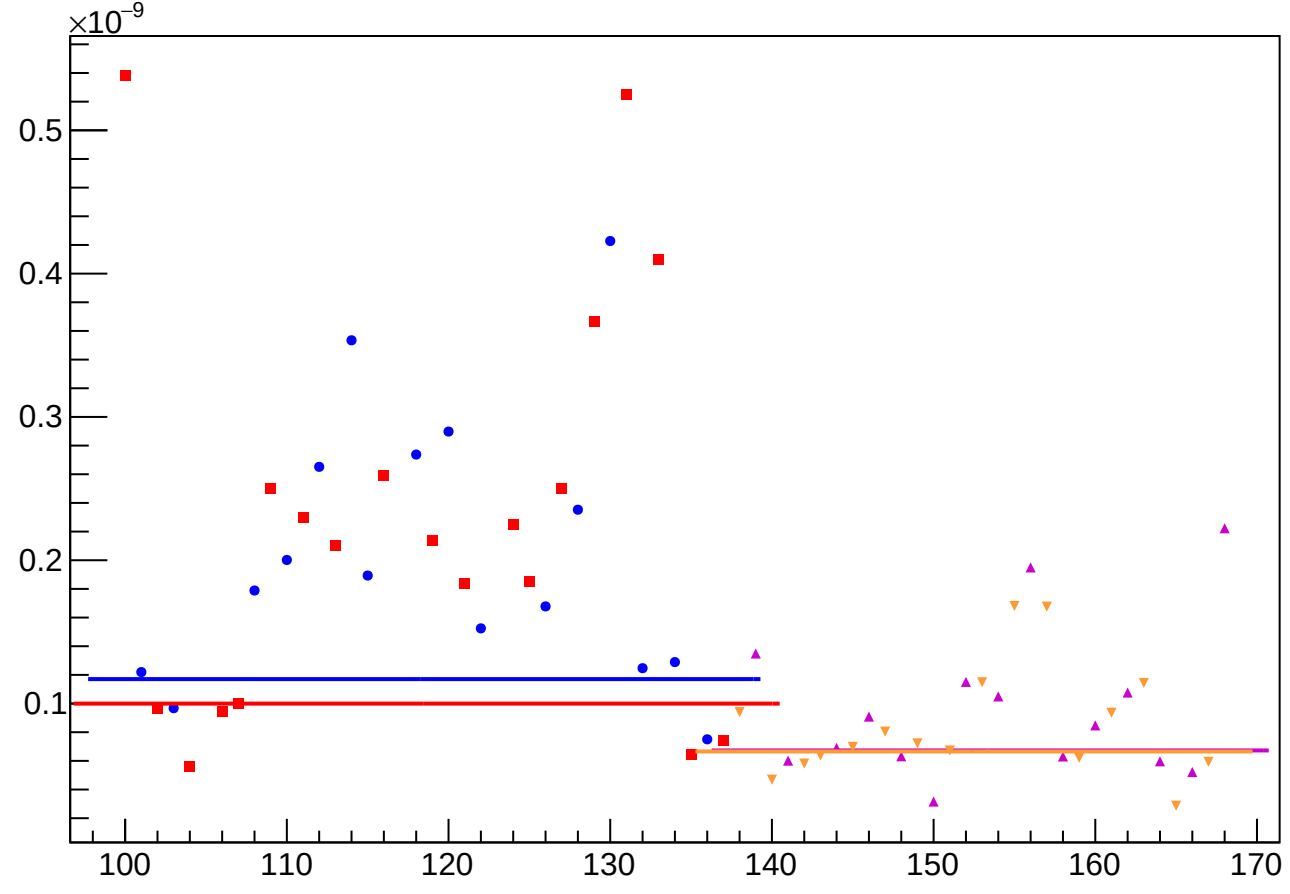
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:18.4/14

+ sign -0.000+/-0.000 χ^2/NDF: 38.3/31

All: 0.000+/-0.000 χ^2/NDF: 73.0/65

- sign 0.000+/-0.000 χ^2/NDF: 33.4/33



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1373812.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

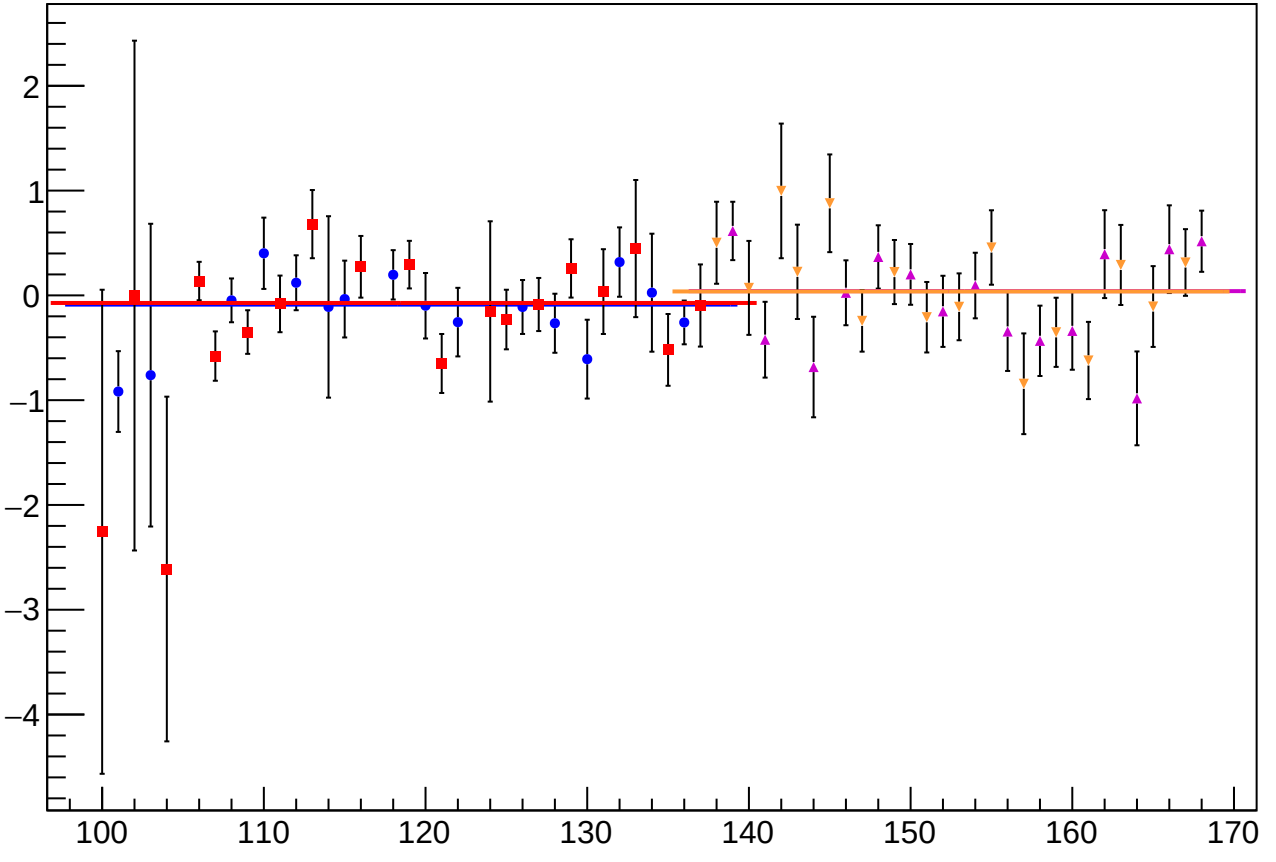
Left In: 0.000+/-0.000 χ^2/NDF:1797323.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 3229223.6/31

All: 0.000+/-0.000 χ^2/NDF: 7203167.2/65

- sign 0.000+/-0.000 χ^2/NDF: 3972125.7/33

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.038+/-0.093 χ^2/NDF:19.8/15

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

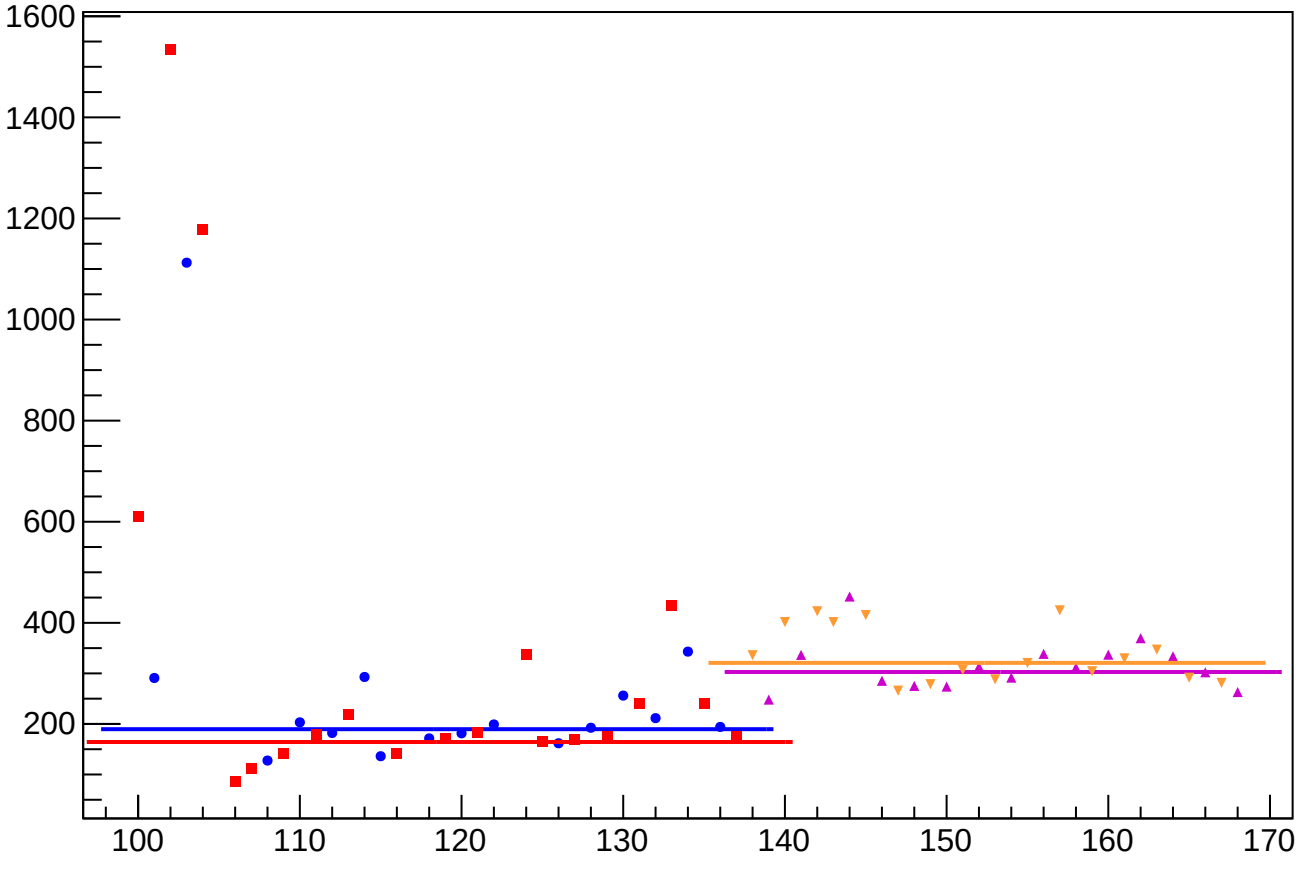
Left In: 0.041+/-0.088 χ^2/NDF:23.6/14

+ sign -0.037+/-0.059 χ^2/NDF: 34.7/31

All: -0.033+/-0.040 χ^2/NDF: 88.0/65

- sign -0.029+/-0.055 χ^2/NDF: 53.3/33

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 320.813+/-0.065 χ^2/NDF:548530.8/15

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

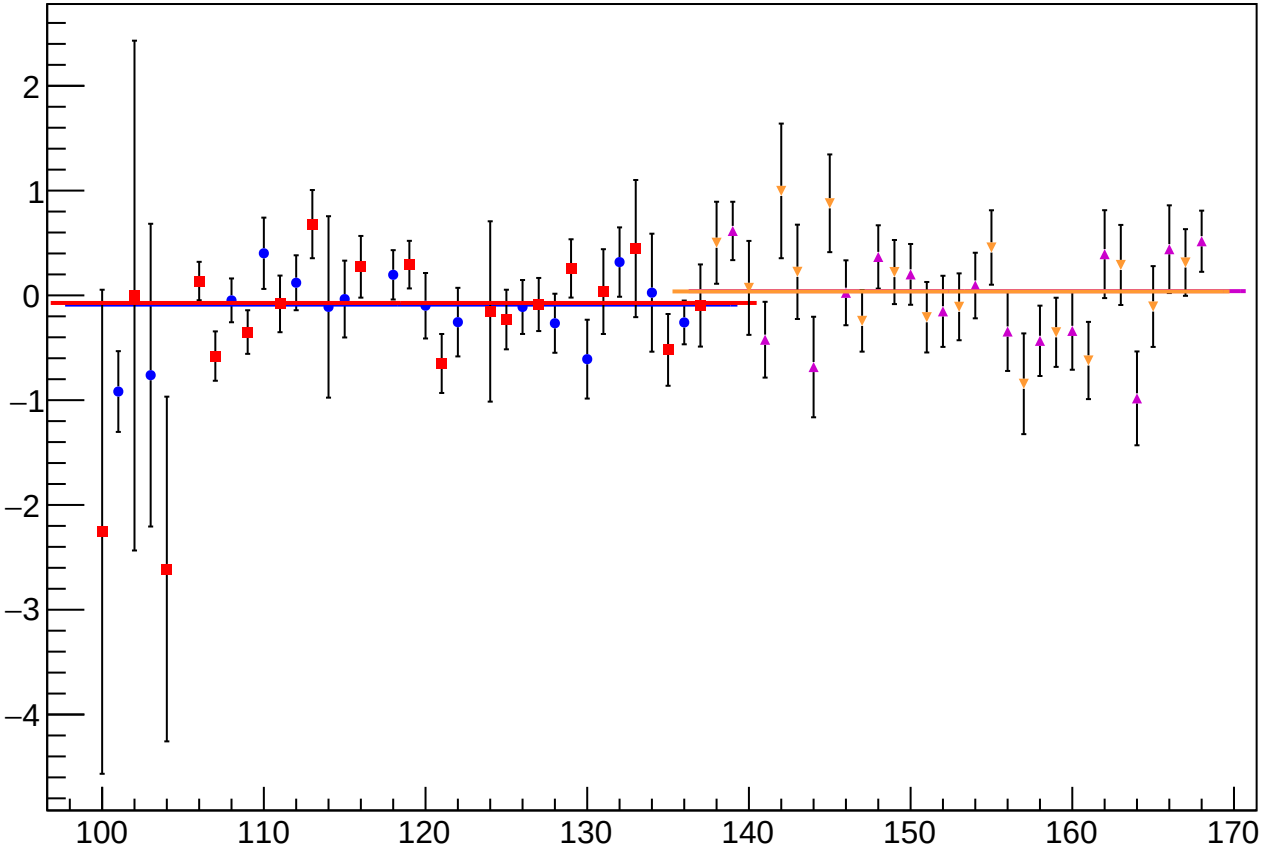
Left In: 302.776+/-0.062 χ^2/NDF:469205.7/14

+ sign 243.078+/-0.042 χ^2/NDF: 4393527.0/31

All: 229.484+/-0.028 χ^2/NDF: 10725326.0/65

- sign 217.771+/-0.039 χ^2/NDF: 6134783.2/33

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: 0.038+/-0.093 χ^2/NDF:19.8/15

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

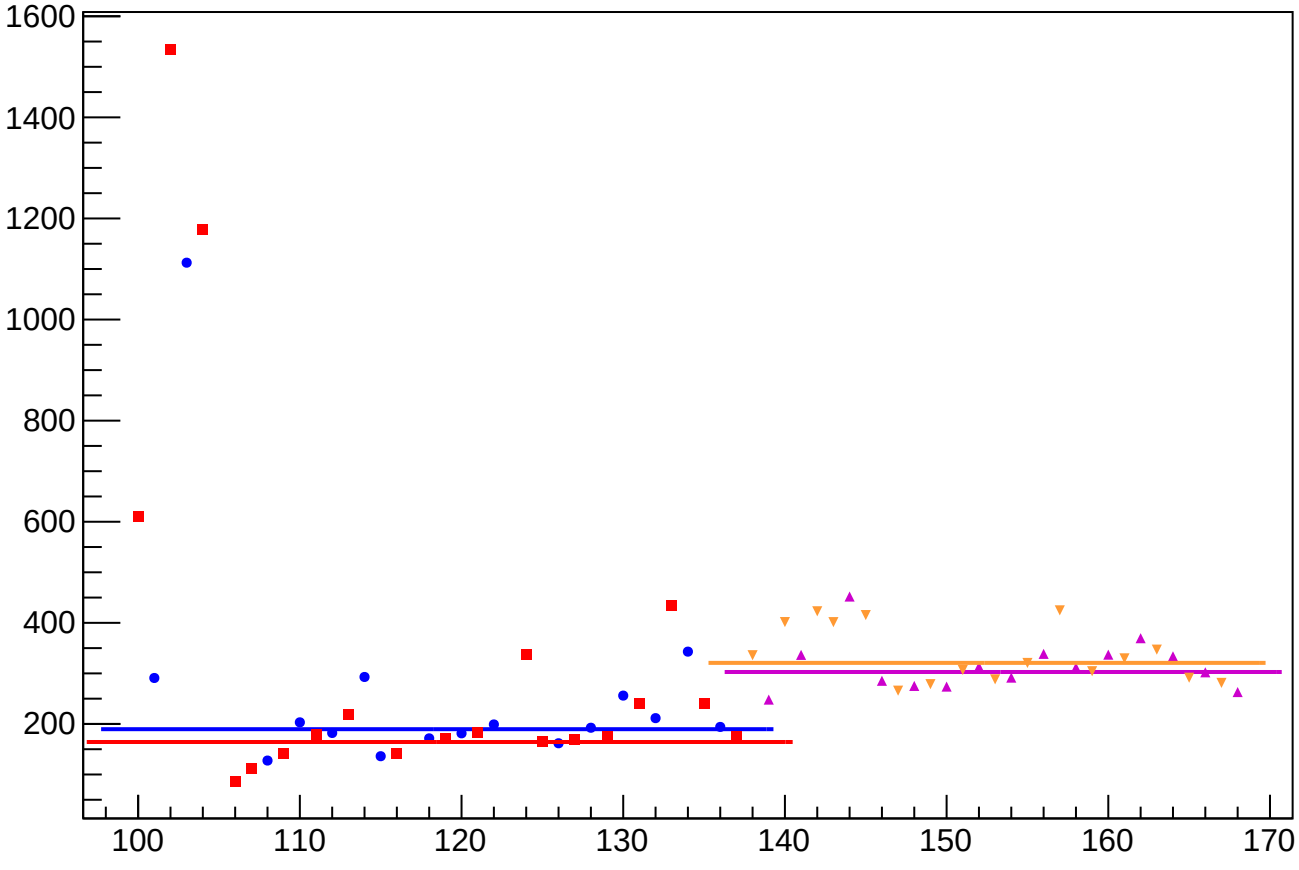
Left In: 0.041+/-0.088 χ^2/NDF:23.6/14

+ sign -0.037+/-0.059 χ^2/NDF: 34.7/31

All: -0.033+/-0.040 χ^2/NDF: 88.0/65

- sign -0.029+/-0.055 χ^2/NDF: 53.3/33

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: 320.813+/-0.065 χ^2/NDF:548530.8/15

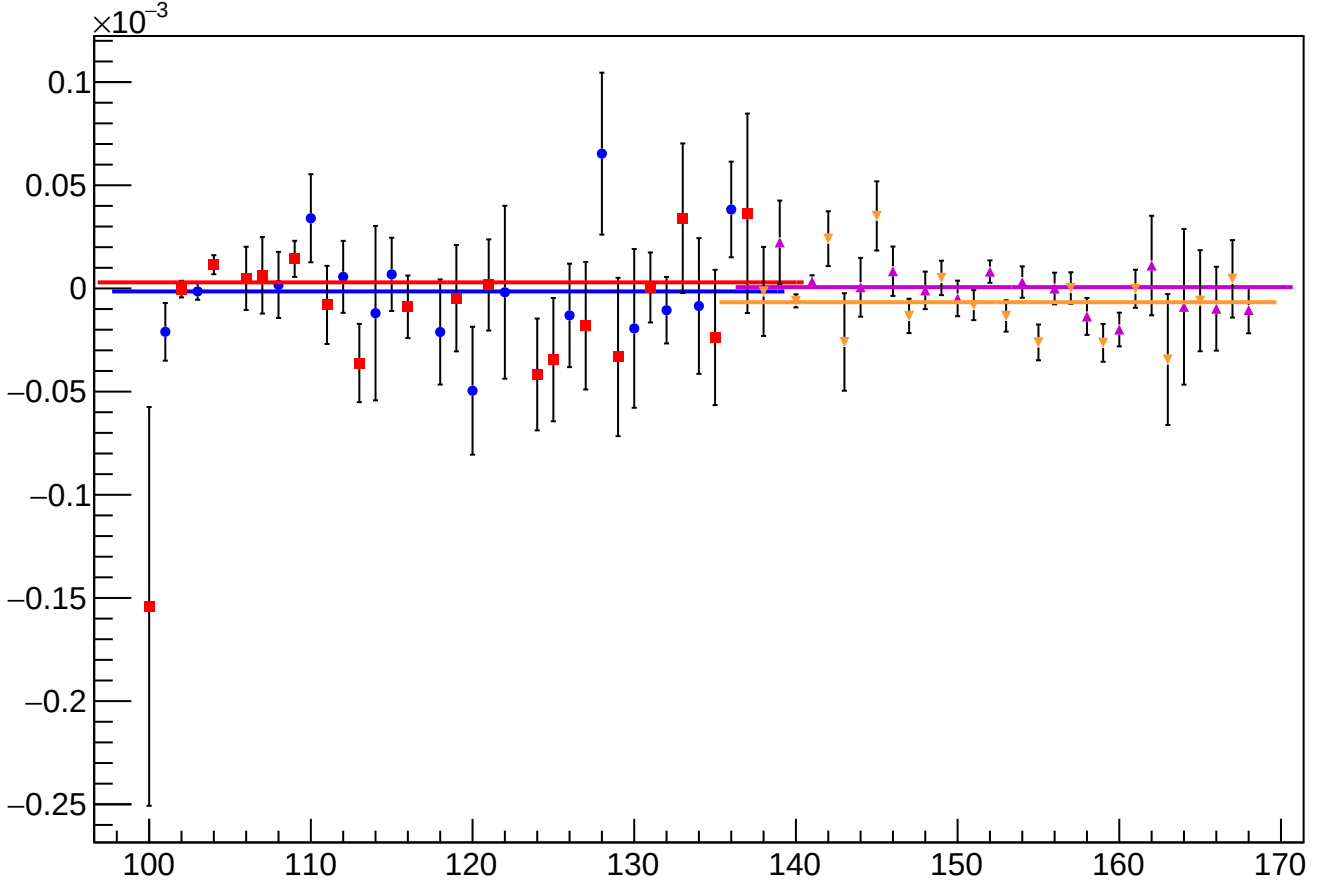
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 302.776+/-0.062 χ^2/NDF:469205.7/14

+ sign 243.078+/-0.042 χ^2/NDF: 4393527.0/31

All: 229.484+/-0.028 χ^2/NDF: 10725326.0/65

- sign 217.771+/-0.039 χ^2/NDF: 6134783.2/33



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

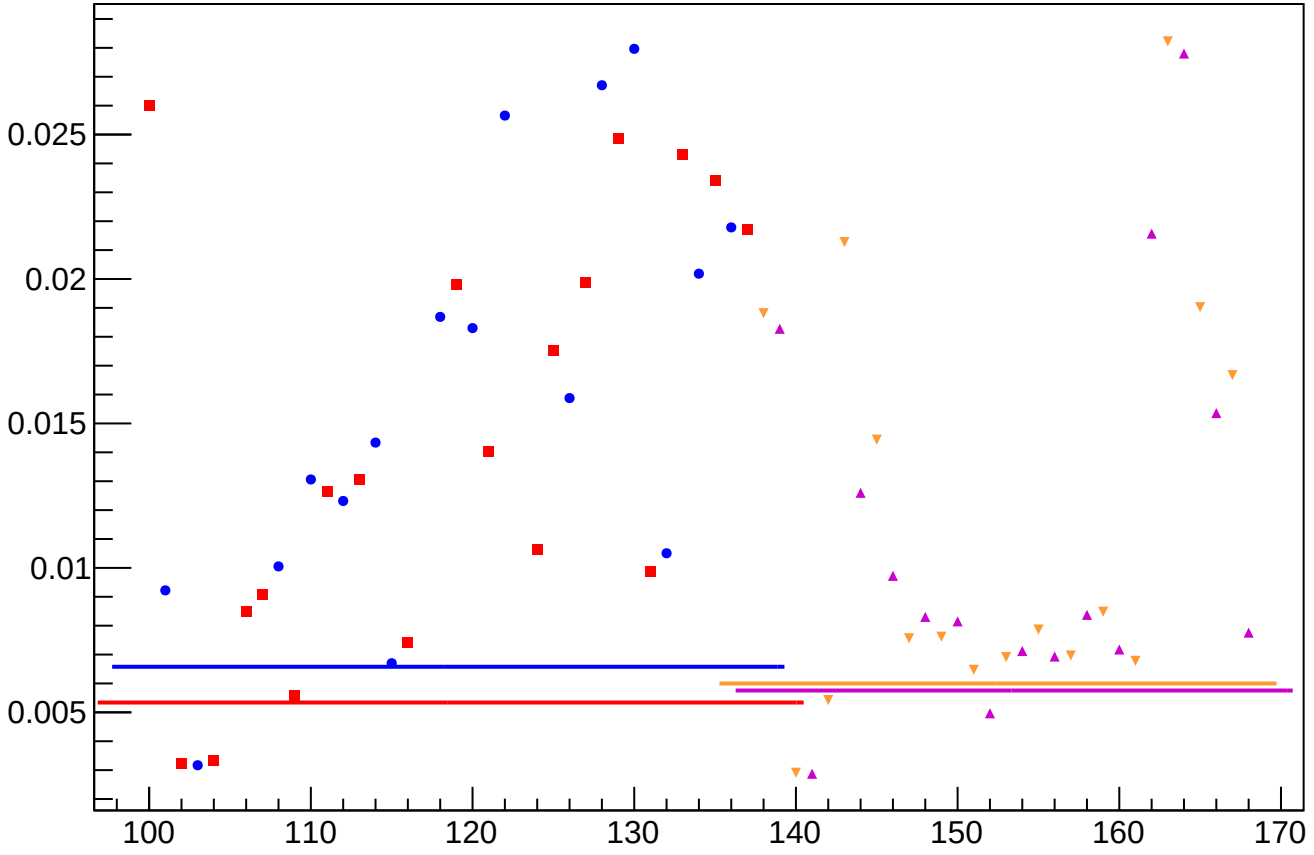
Left In: 0.000+/-0.000 χ^2/NDF:15.1/14

+ sign -0.000+/-0.000 χ^2/NDF: 44.5/31

All: -0.000+/-0.000 χ^2/NDF: 89.6/65

- sign 0.000+/-0.000 χ^2/NDF: 36.9/33

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:6611379.3/15

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

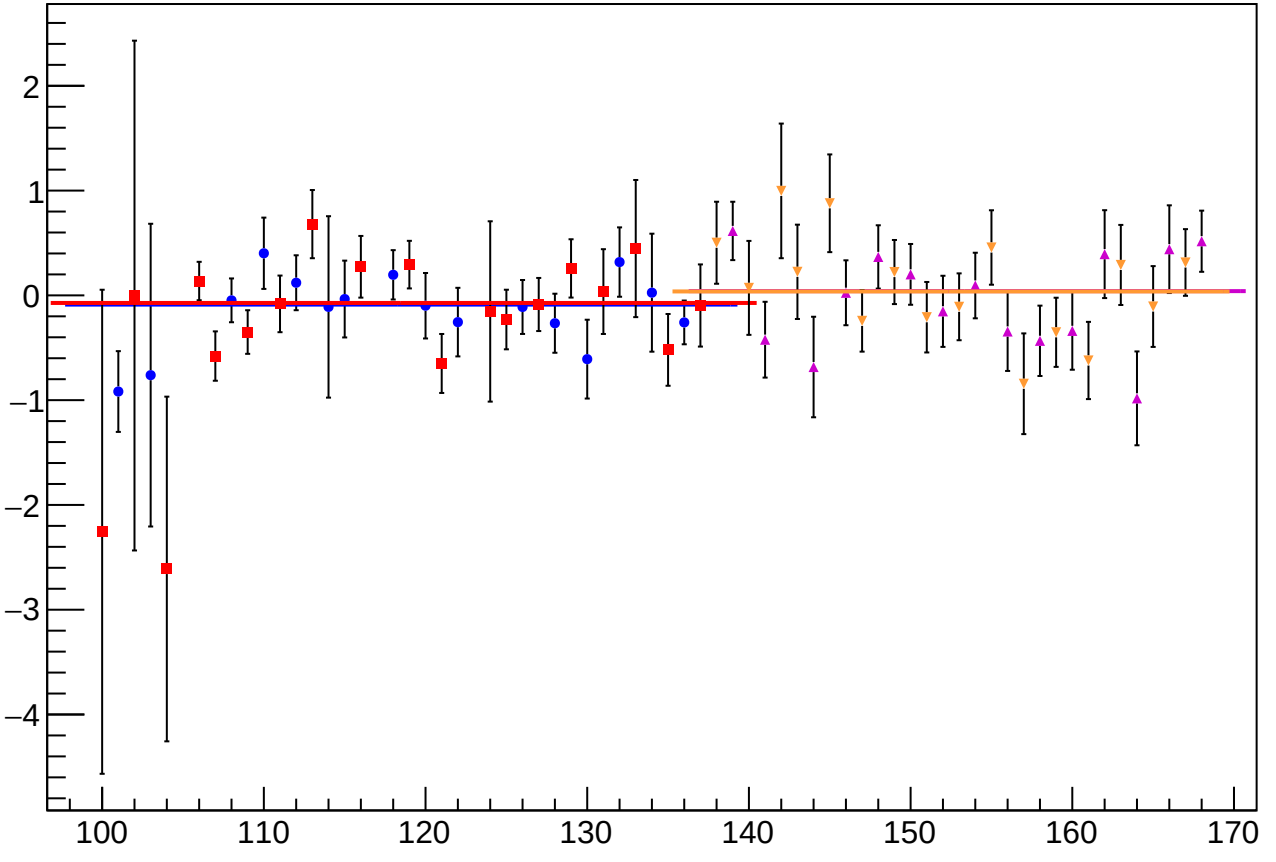
Left In: 0.006+/-0.000 χ^2/NDF:5970895.4/14

+ sign 0.006+/-0.000 χ^2/NDF: 12583517.6/31

All: 0.006+/-0.000 χ^2/NDF: 24386687.1/65

- sign 0.006+/-0.000 χ^2/NDF: 11689748.0/33

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: 0.038+/-0.093 χ^2/NDF:19.8/15

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

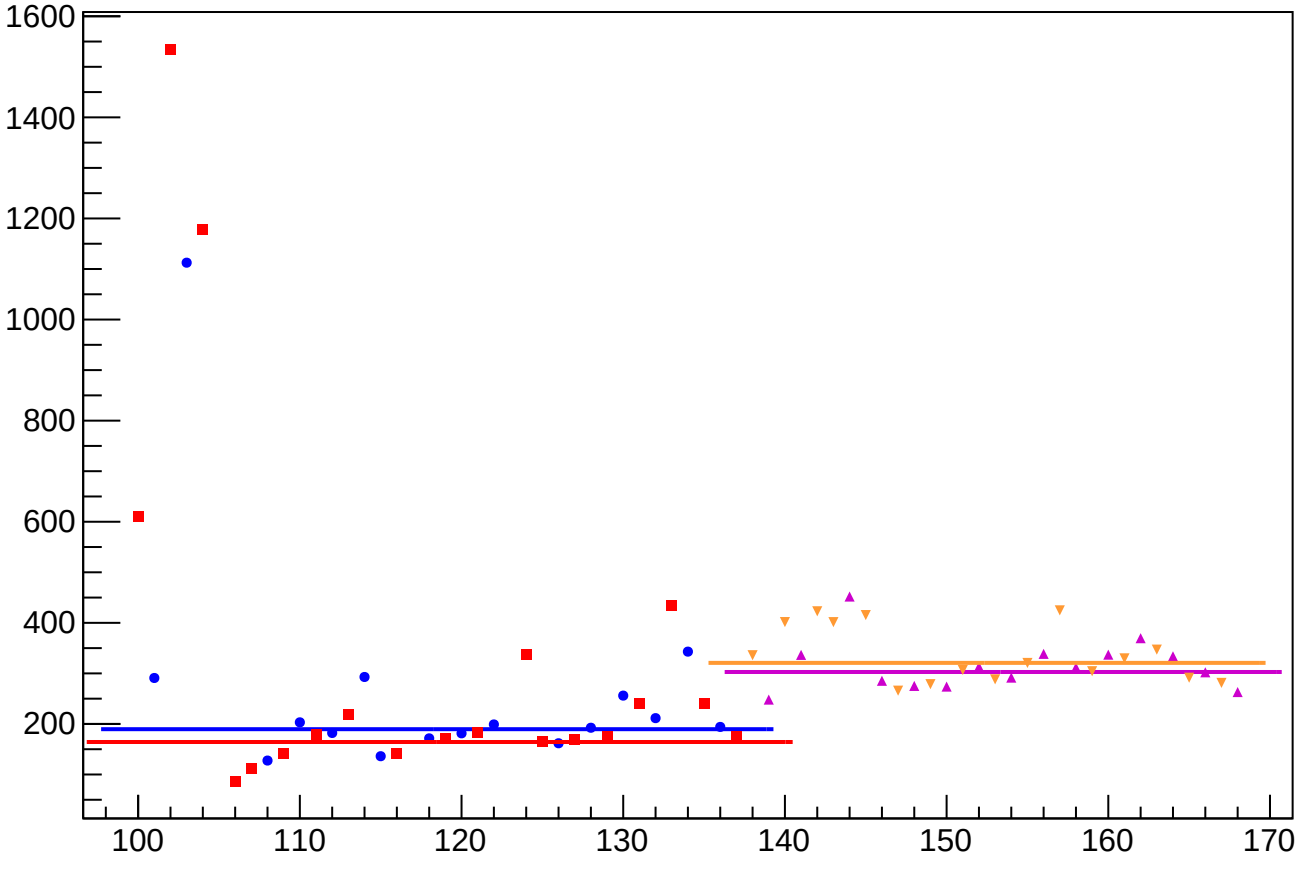
Left In: 0.041+/-0.088 χ^2/NDF:23.6/14

+ sign -0.037+/-0.059 χ^2/NDF: 34.7/31

All: -0.033+/-0.040 χ^2/NDF: 88.0/65

- sign -0.029+/-0.055 χ^2/NDF: 53.3/33

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: 320.819+/-0.065 χ^2/NDF:548519.2/15

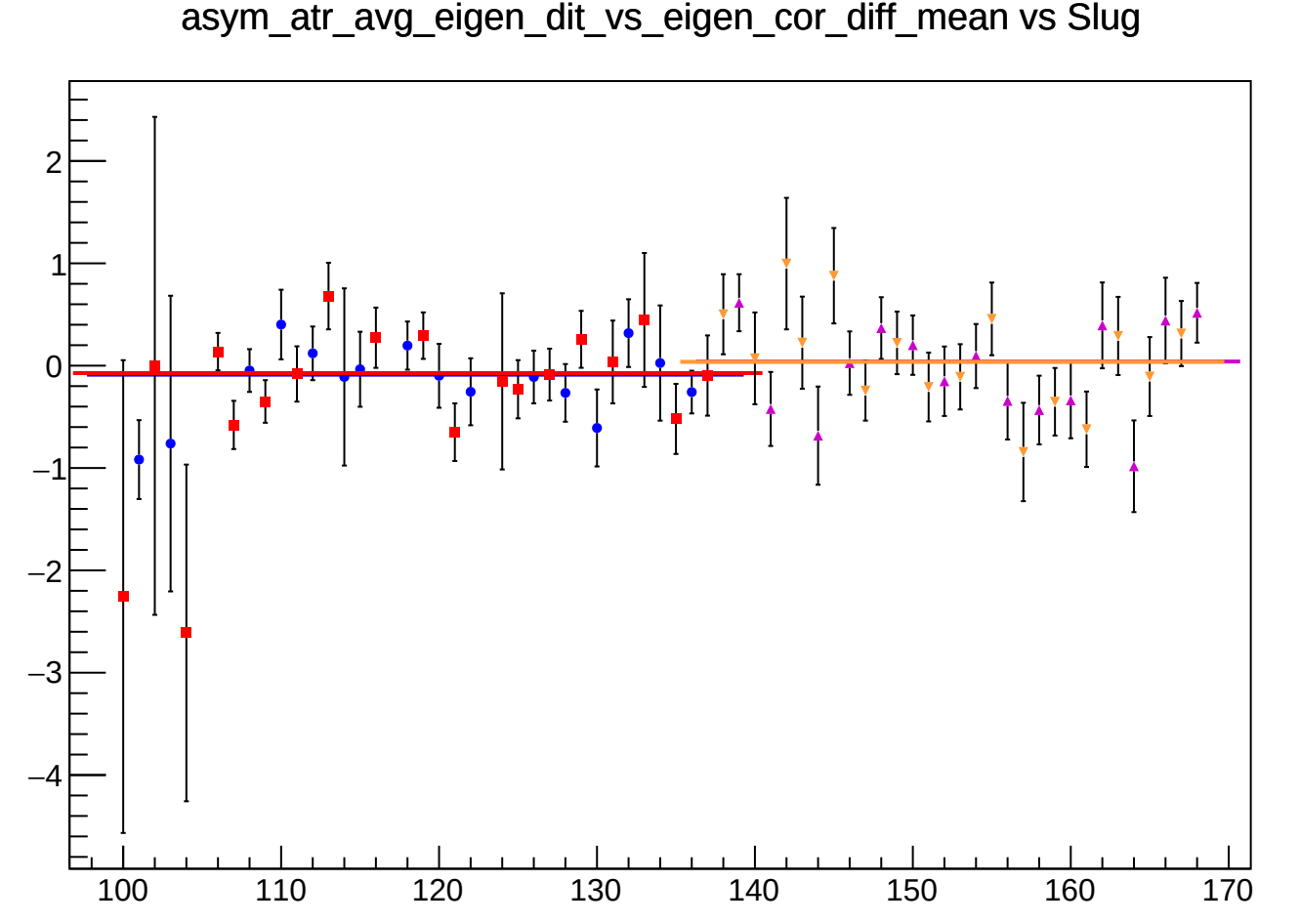
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 302.781+/-0.062 χ^2/NDF:469196.1/14

+ sign 243.078+/-0.042 χ^2/NDF: 4393679.7/31

All: 229.484+/-0.028 χ^2/NDF: 10725644.1/65

- sign 217.771+/-0.039 χ^2/NDF: 6134942.9/33



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.038+/-0.093 χ^2/NDF:19.8/15

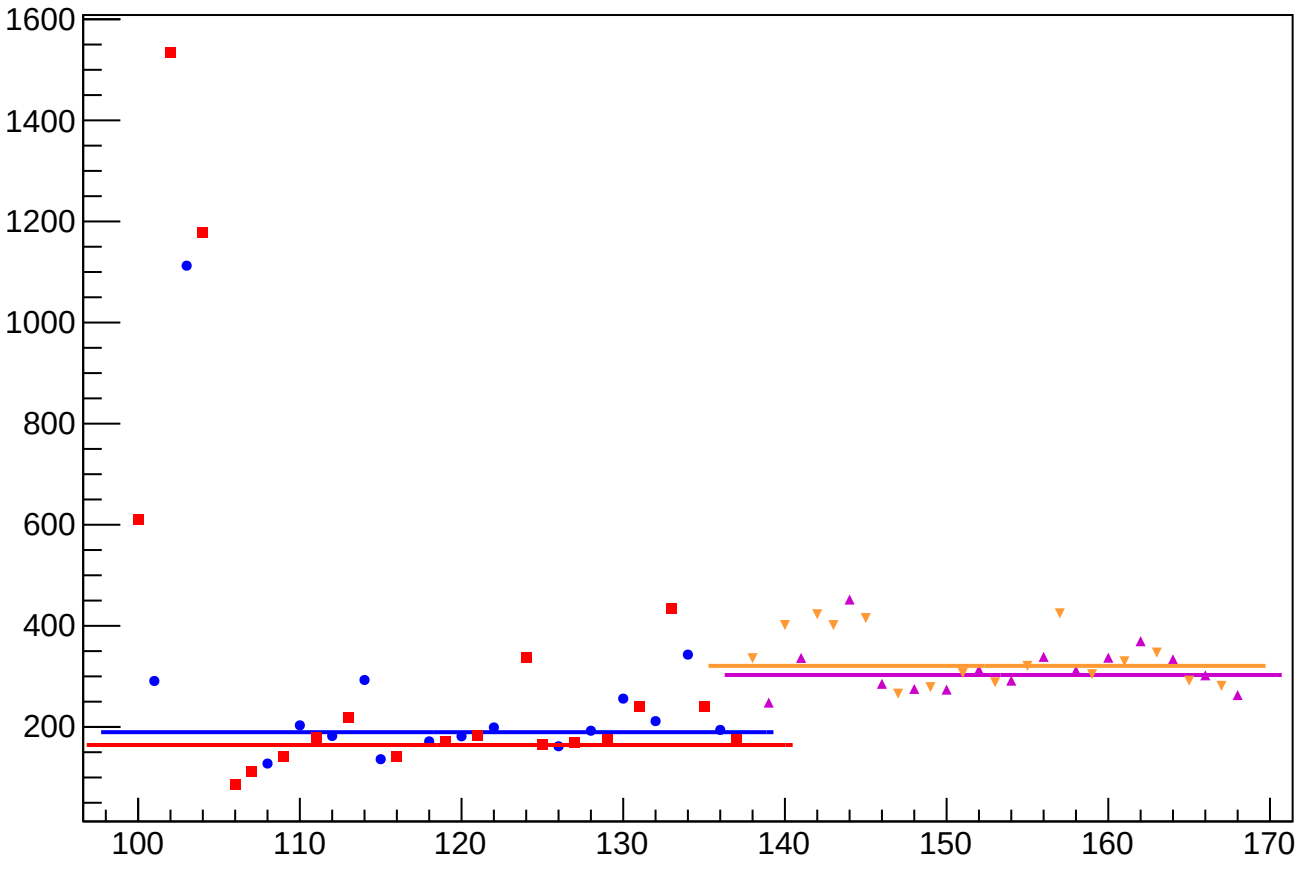
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

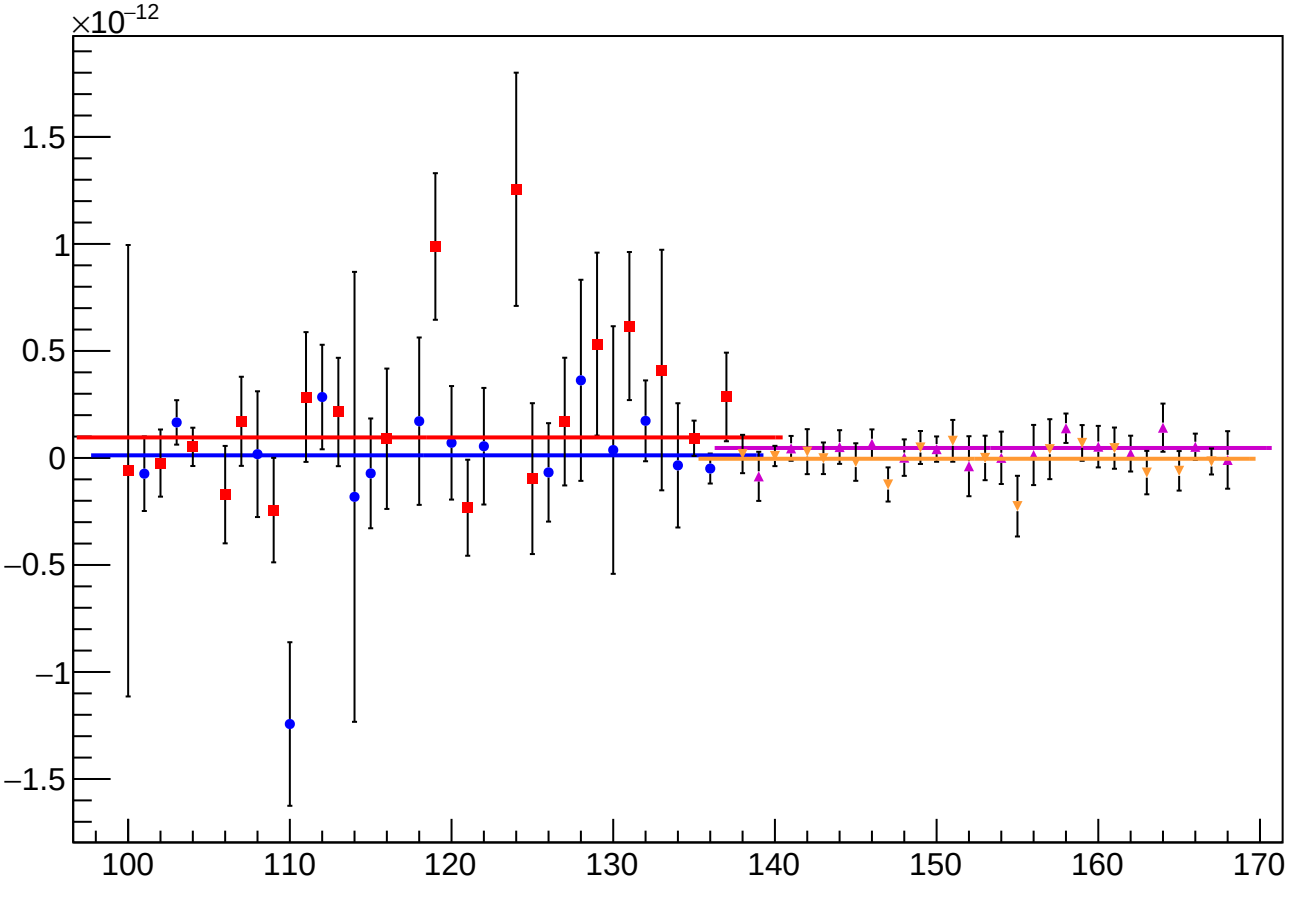
Left In: 0.041+/-0.088 χ^2/NDF:23.6/14

+ sign -0.037+/-0.059 χ^2/NDF: 34.7/31

All: -0.033+/-0.040 χ^2/NDF: 88.0/65

- sign -0.029+/-0.055 χ^2/NDF: 53.3/33


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: 320.819+/-0.065 χ²/NDF:548519.2/15
Right Out: 164.286+/-0.050 χ²/NDF: 2643465.6/18
Left In: 302.781+/-0.062 χ²/NDF:469196.1/14
+ sign 243.078+/-0.042 χ²/NDF: 4393679.7/31
All: 229.484+/-0.028 χ²/NDF: 10725644.1/65
- sign 217.771+/-0.039 χ²/NDF: 6134942.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

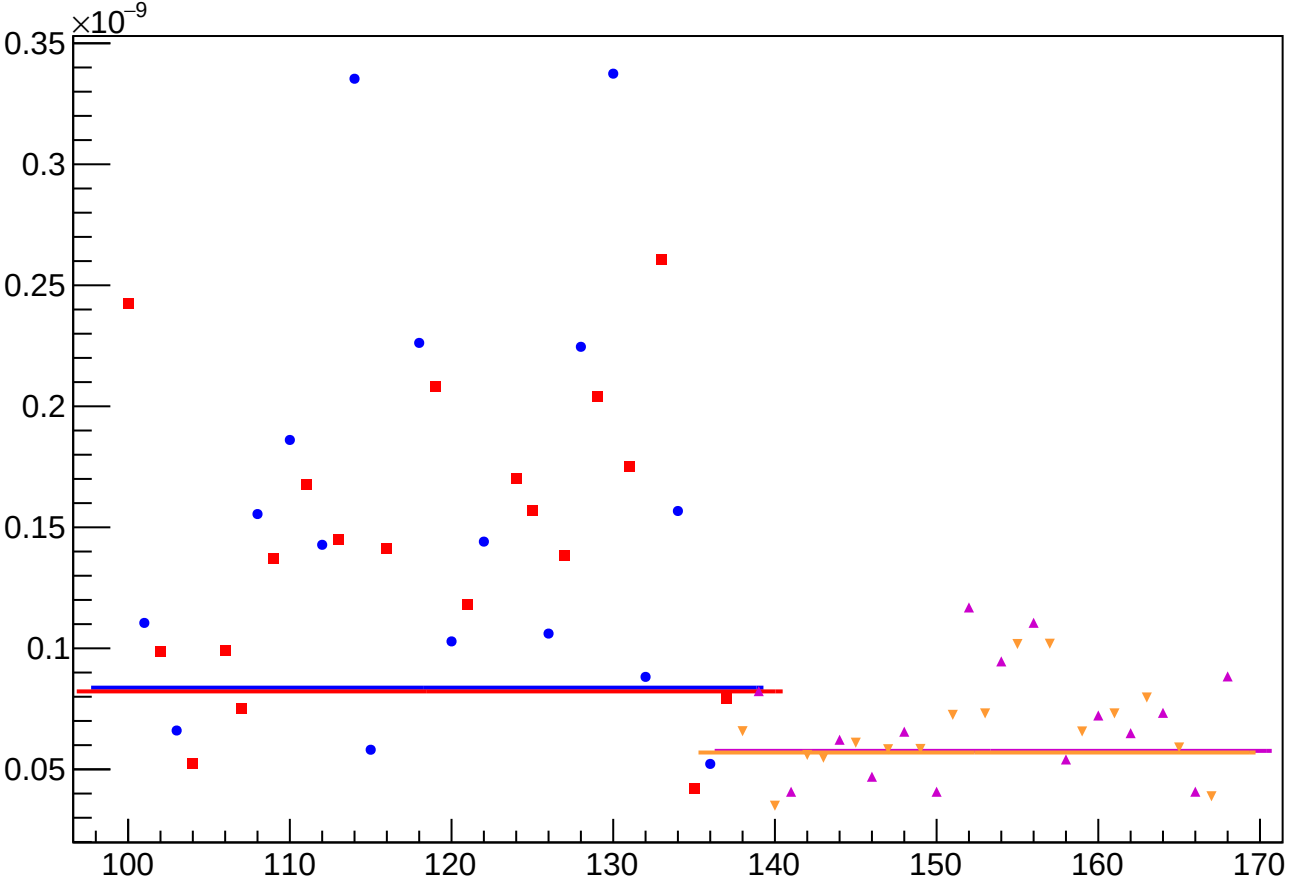
Left In: 0.000+/-0.000 χ^2/NDF:5.1/14

+ sign -0.000+/-0.000 χ^2/NDF: 25.3/31

All: 0.000+/-0.000 χ^2/NDF: 59.0/65

- sign 0.000+/-0.000 χ^2/NDF: 29.2/33

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:1318585.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

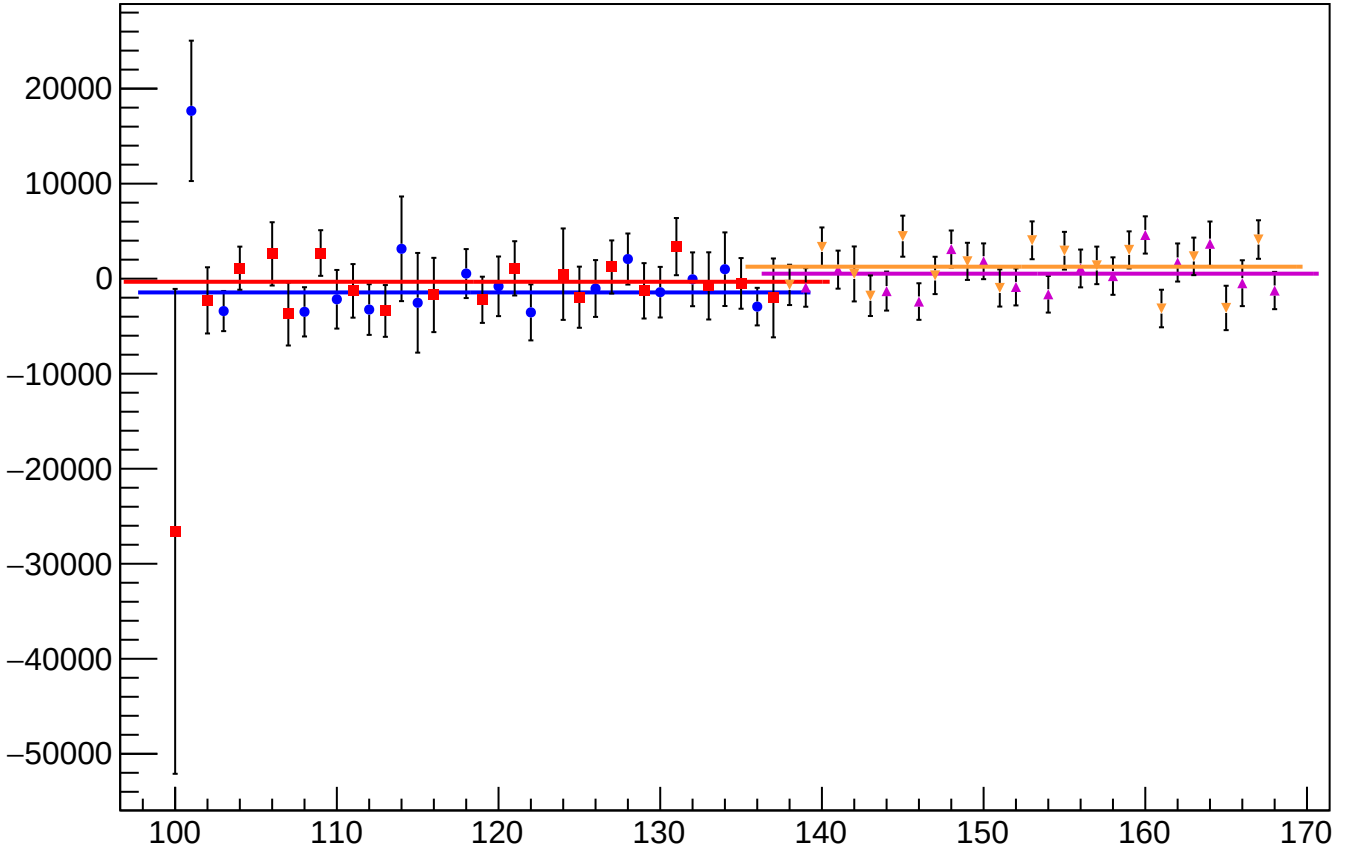
Left In: 0.000+/-0.000 χ^2/NDF:1683251.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 4000927.7/31

All: 0.000+/-0.000 χ^2/NDF: 8448903.5/65

- sign 0.000+/-0.000 χ^2/NDF: 4446880.7/33

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1259.978+/-515.800 χ^2/NDF:22.0/15

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

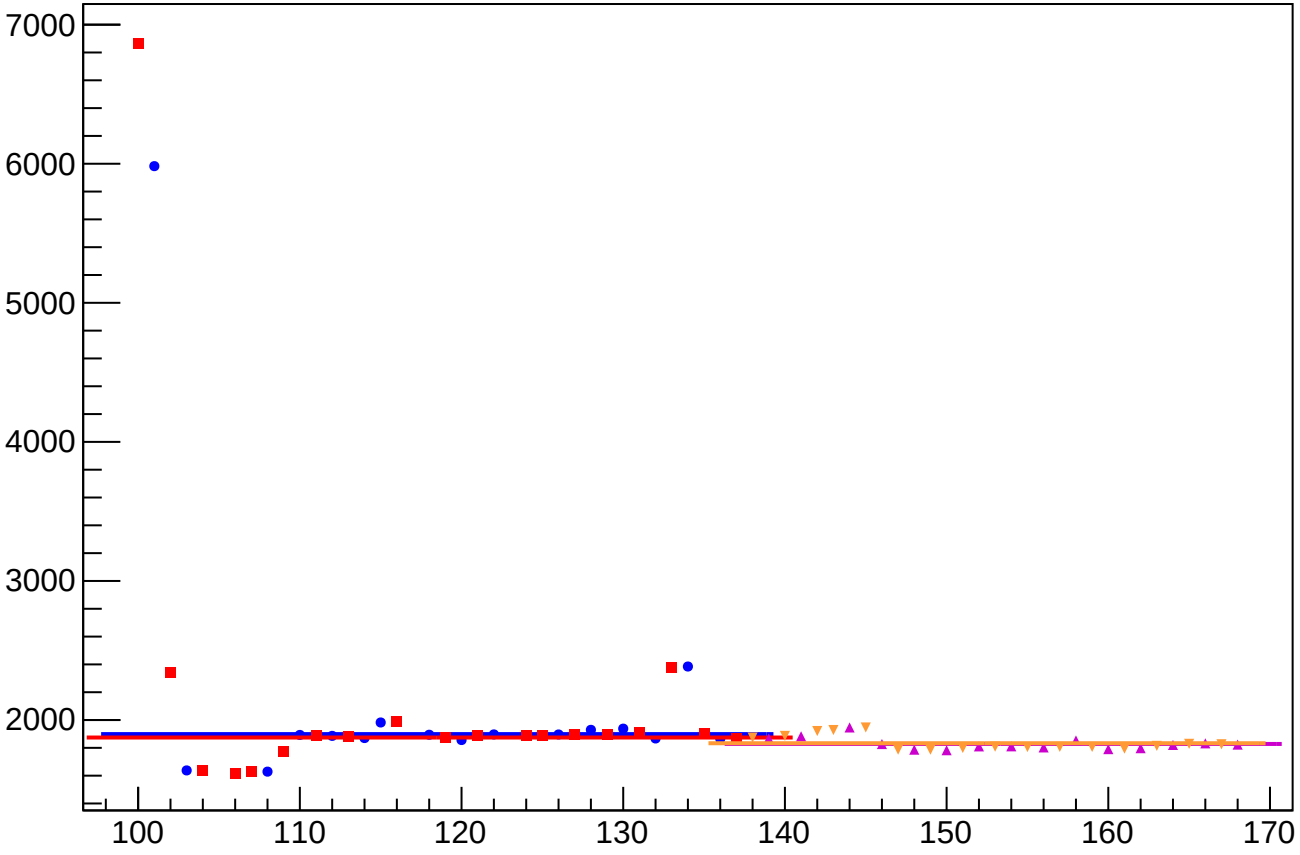
Left In: 525.458+/-518.967 χ^2/NDF:15.3/14

+ sign 347.321+/-419.924 χ^2/NDF: 44.8/31

All: 285.777+/-296.052 χ^2/NDF: 71.0/65

- sign 224.955+/-417.449 χ^2/NDF: 26.2/33

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1833.097+/-0.365 χ^2/NDF:18635.5/15

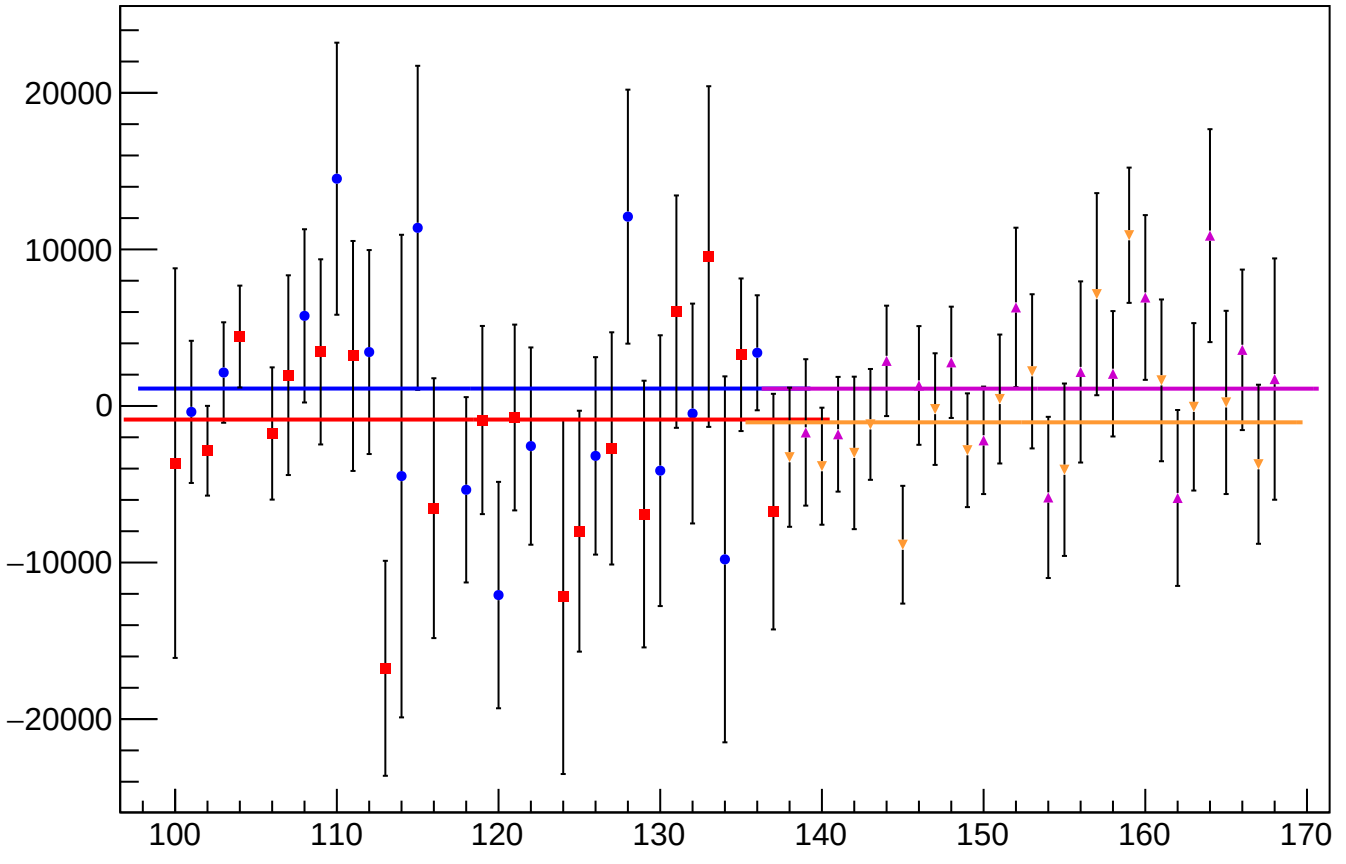
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1827.953+/-0.367 χ^2/NDF:13153.4/14

+ sign 1855.261+/-0.297 χ^2/NDF: 727101.5/31

All: 1849.775+/-0.209 χ^2/NDF: 954233.5/65

- sign 1844.366+/-0.295 χ^2/NDF: 226454.2/33



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -1044.596+/-1103.988 χ^2/NDF:16.4/15

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

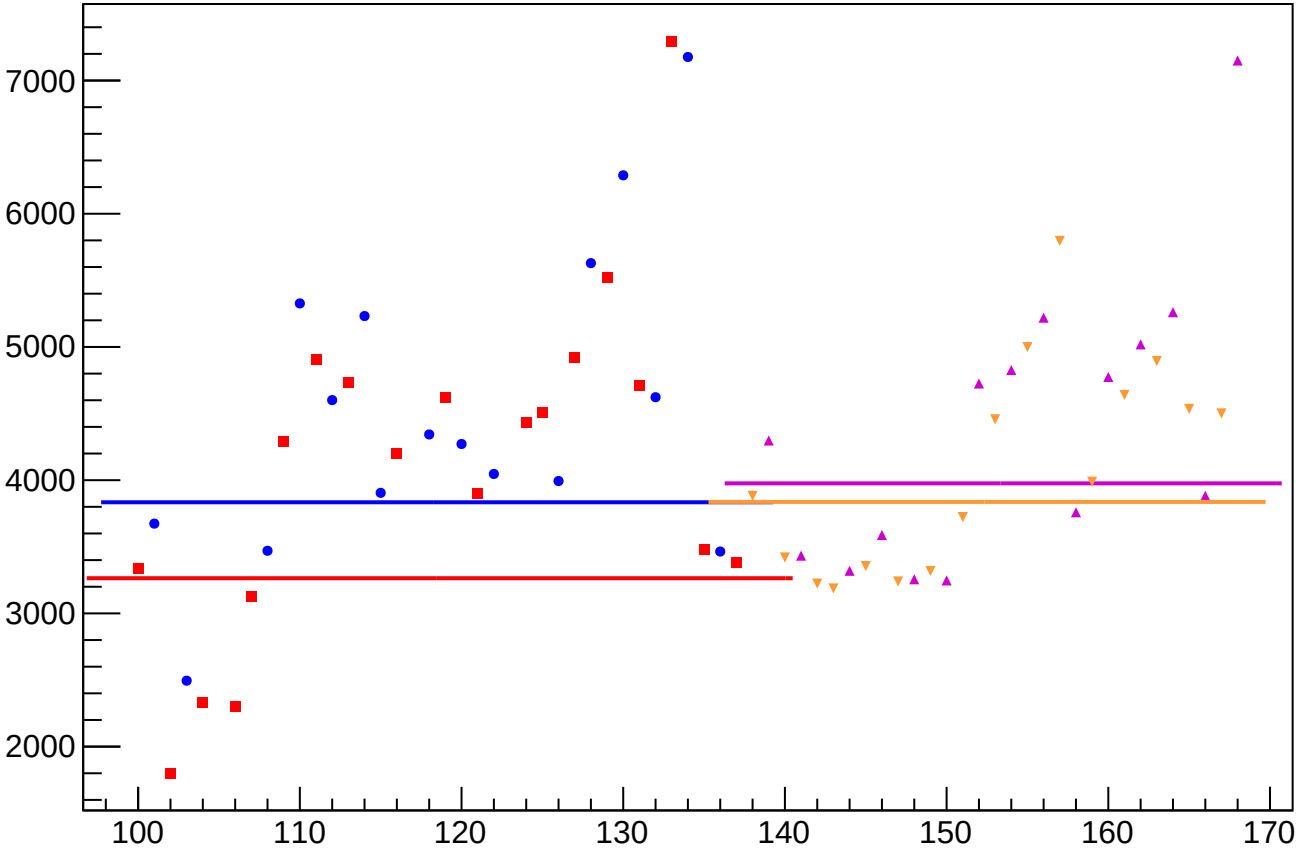
Left In: 1105.821+/-1156.931 χ^2/NDF:10.4/14

+ sign -272.865+/-884.756 χ^2/NDF: 31.1/31

All: -11.403+/-619.010 χ^2/NDF: 58.6/65

- sign 239.300+/-866.359 χ^2/NDF: 27.3/33

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3836.791+/-0.781 χ^2/NDF:752147.3/15

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

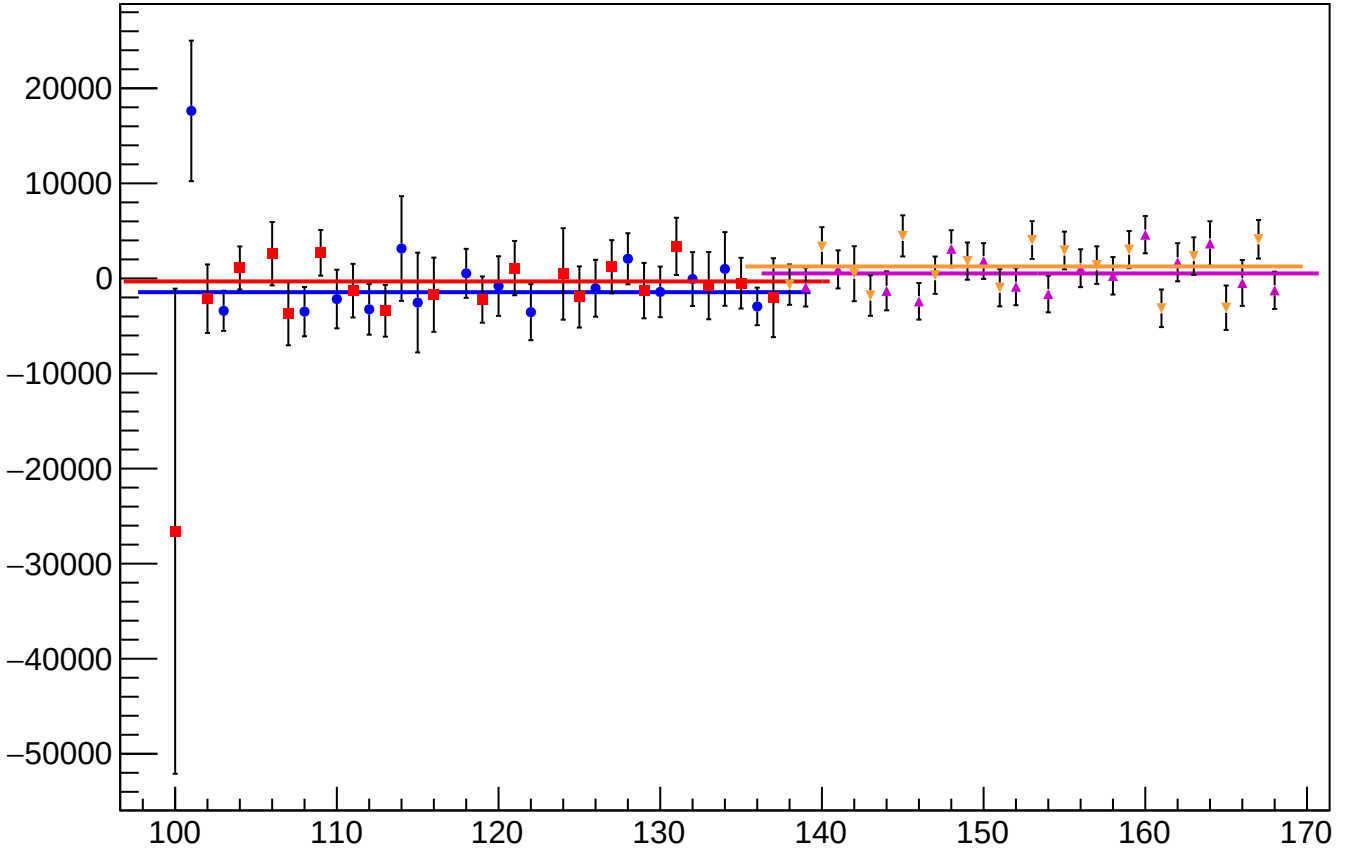
Left In: 3976.102+/-0.818 χ^2/NDF:1038200.1/14

+ sign 3835.851+/-0.626 χ^2/NDF: 1708926.9/31

All: 3747.799+/-0.438 χ^2/NDF: 4982878.0/65

- sign 3663.371+/-0.613 χ^2/NDF: 3235148.3/33

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1260.111+/-515.800 χ^2/NDF:22.0/15

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

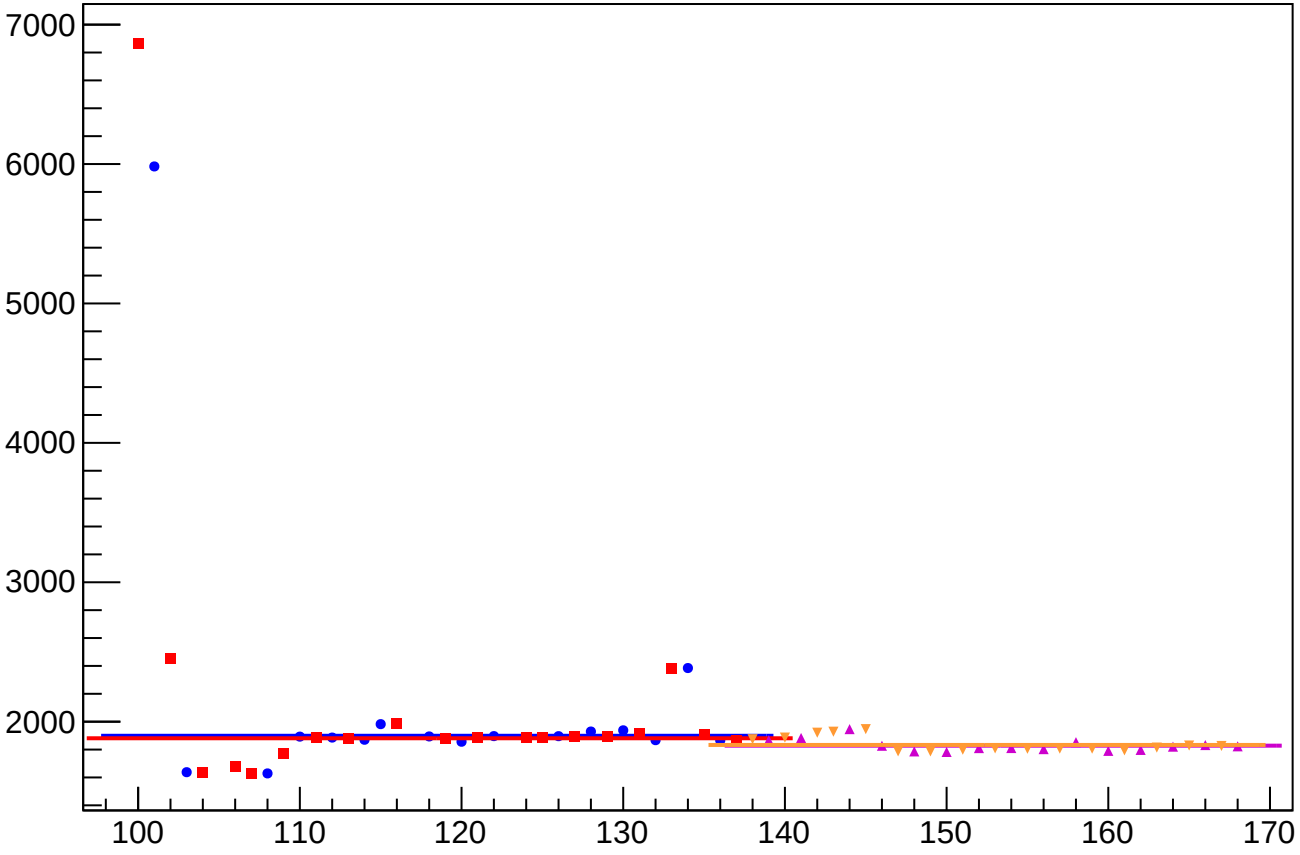
Left In: 525.424+/-518.967 χ^2/NDF:15.3/14

+ sign 347.279+/-419.924 χ^2/NDF: 44.7/31

All: 287.887+/-296.123 χ^2/NDF: 70.8/65

- sign 229.137+/-417.648 χ^2/NDF: 26.1/33

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.097+/-0.365 χ^2/NDF:18635.5/15

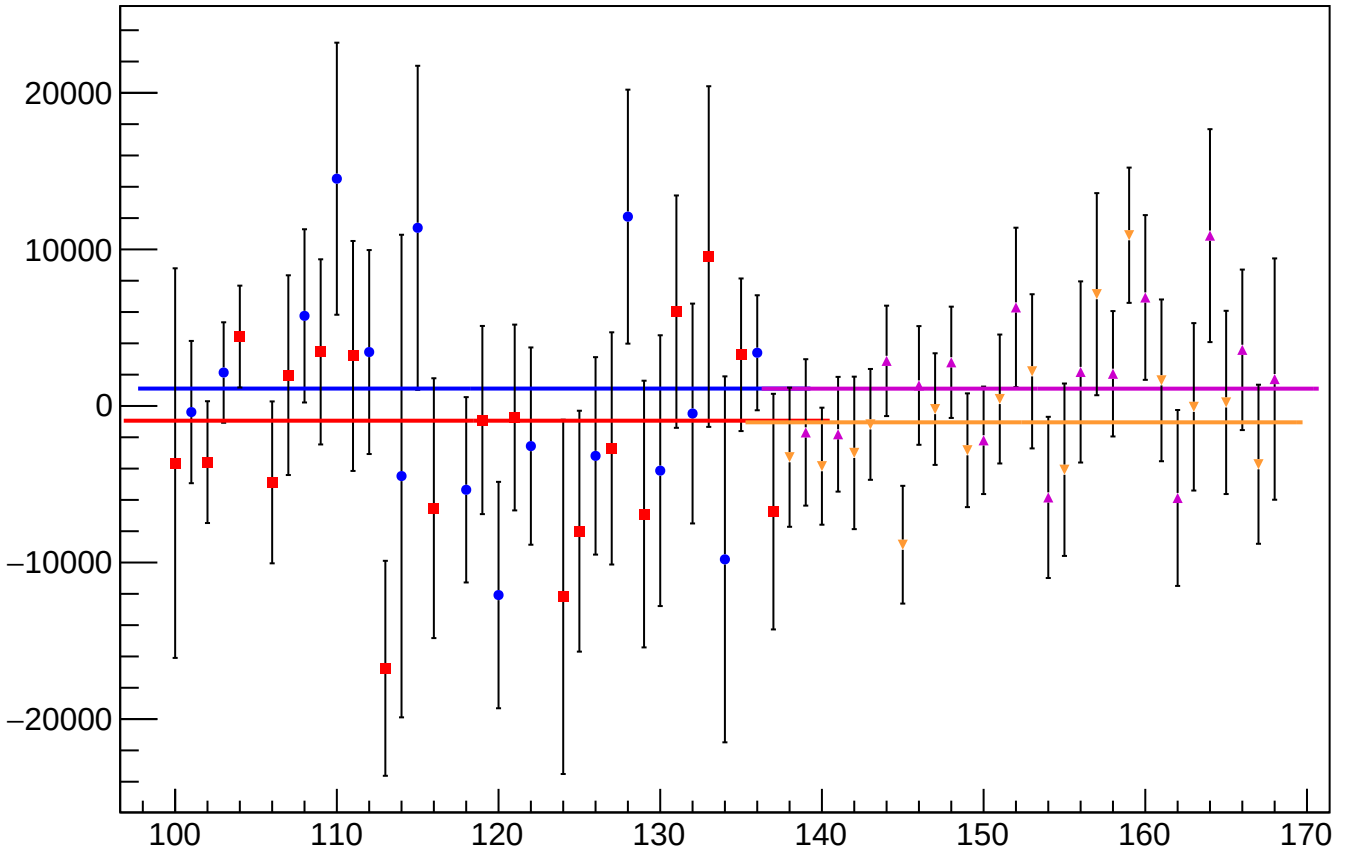
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1827.953+/-0.367 χ^2/NDF:13153.4/14

+ sign 1855.261+/-0.297 χ^2/NDF: 727101.6/31

All: 1850.947+/-0.209 χ^2/NDF: 964618.5/65

- sign 1846.684+/-0.295 χ^2/NDF: 237097.3/33



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1044.545+/-1103.988 χ^2/NDF:16.4/15

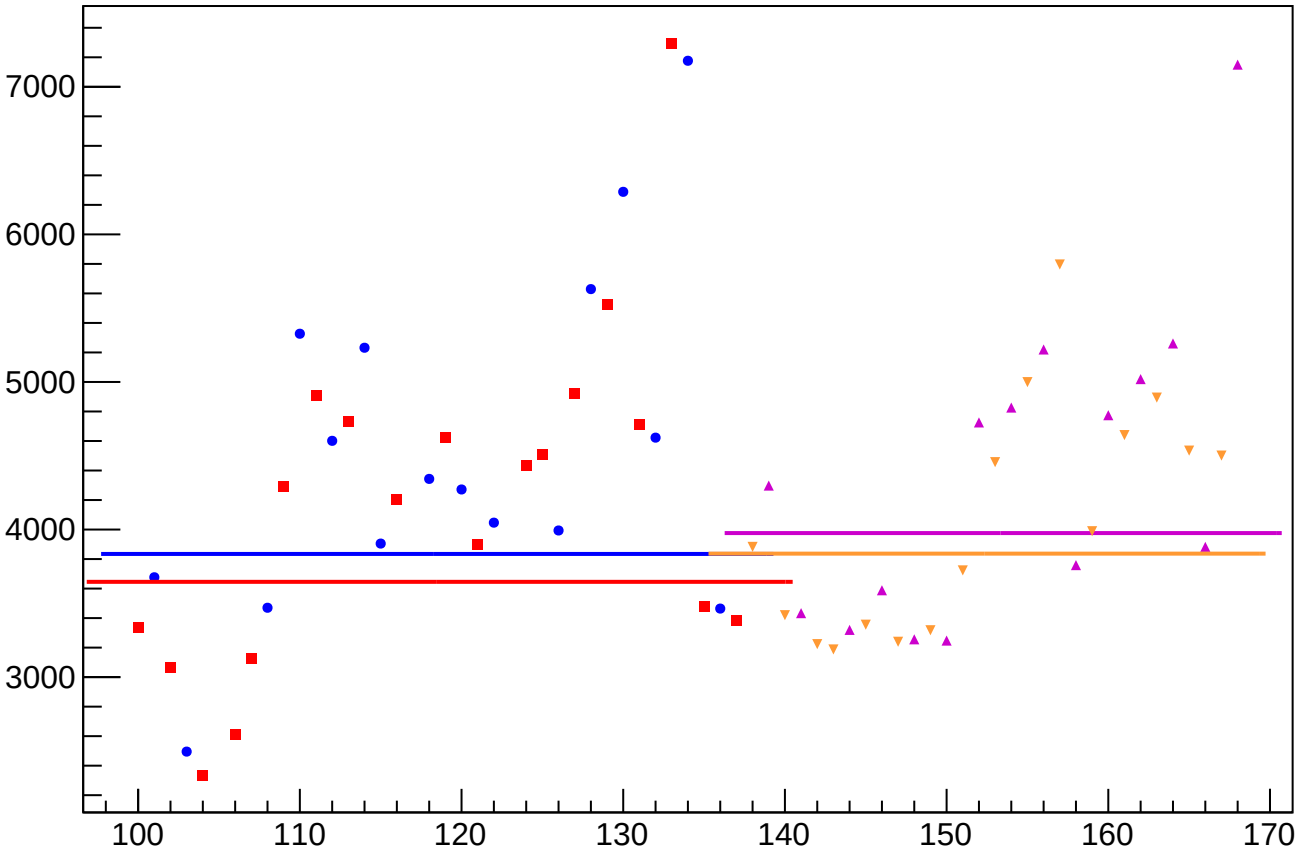
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 1105.900+/-1156.930 χ^2/NDF:10.4/14

+ sign -273.369+/-884.792 χ^2/NDF: 31.1/31

All: -1.423+/-628.022 χ^2/NDF: 59.2/65

- sign 274.699+/-891.560 χ^2/NDF: 27.9/33



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3836.788+/-0.781 χ^2/NDF:752144.1/15

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

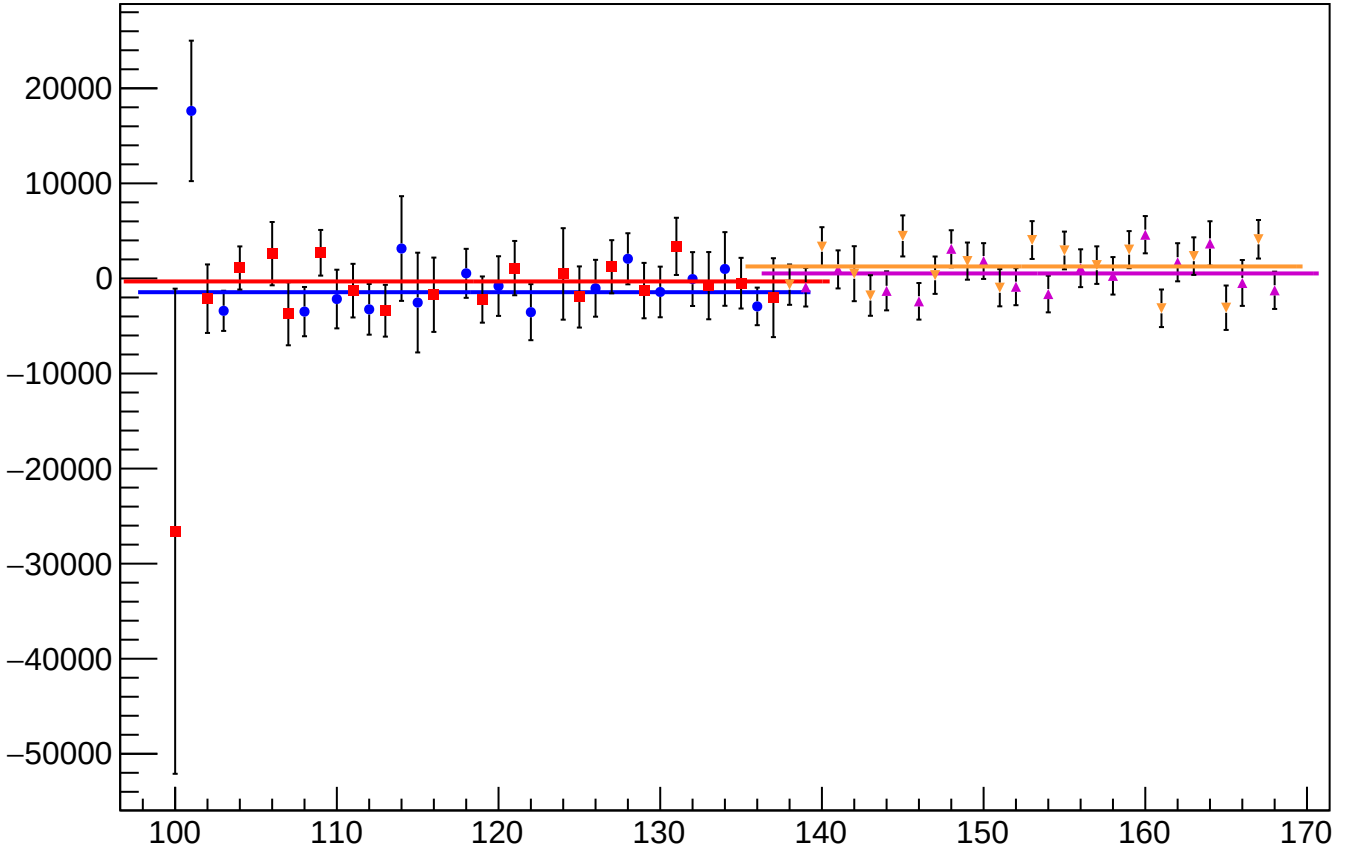
Left In: 3976.096+/-0.818 χ^2/NDF:1038214.1/14

+ sign 3836.038+/-0.626 χ^2/NDF: 1708458.9/31

All: 3838.950+/-0.444 χ^2/NDF: 3937947.9/65

- sign 3841.906+/-0.630 χ^2/NDF: 2229445.3/33

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1260.111+/-515.800 χ^2/NDF:22.0/15

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

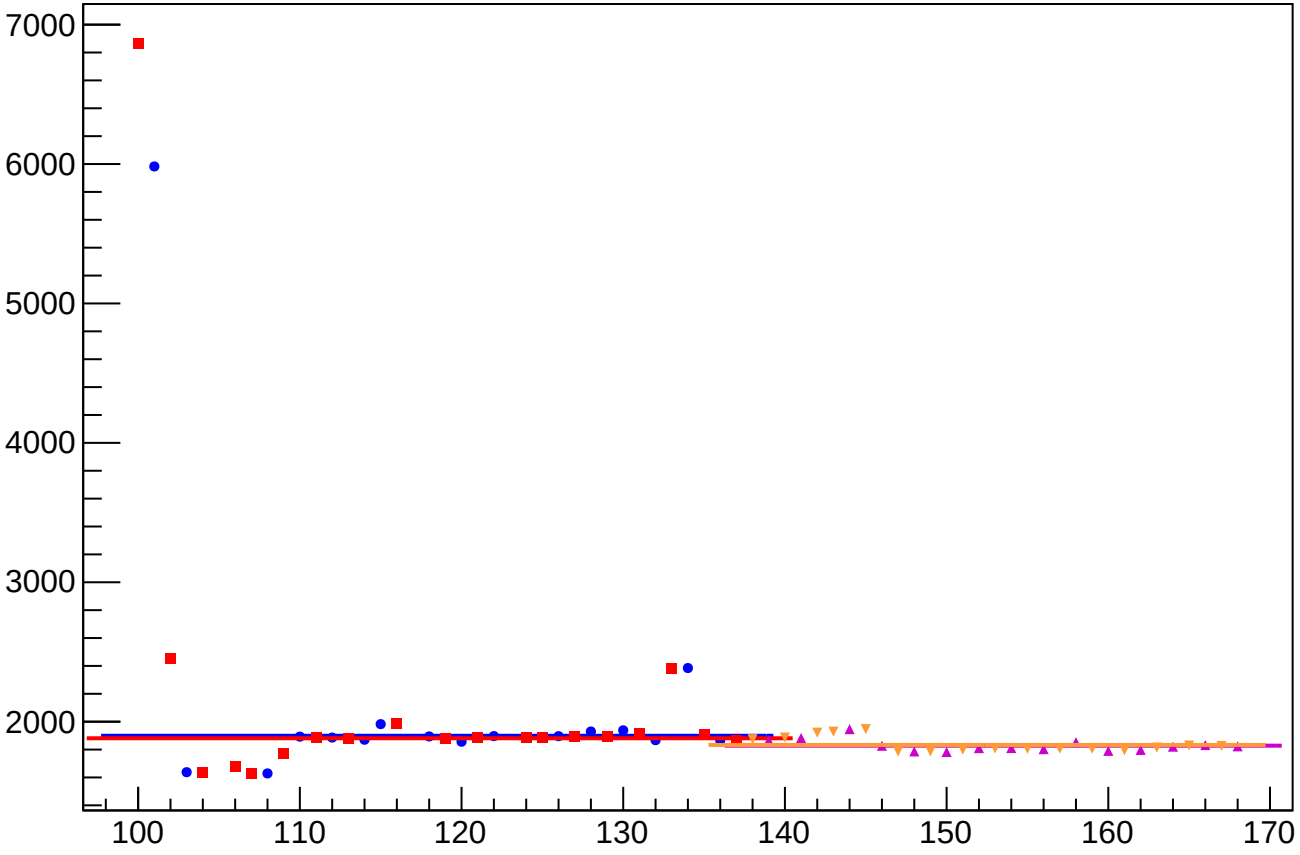
Left In: 525.424+/-518.967 χ^2/NDF:15.3/14

+ sign 347.279+/-419.924 χ^2/NDF: 44.7/31

All: 287.887+/-296.123 χ^2/NDF: 70.8/65

- sign 229.137+/-417.648 χ^2/NDF: 26.1/33

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.097+/-0.365 χ^2/NDF:18635.5/15

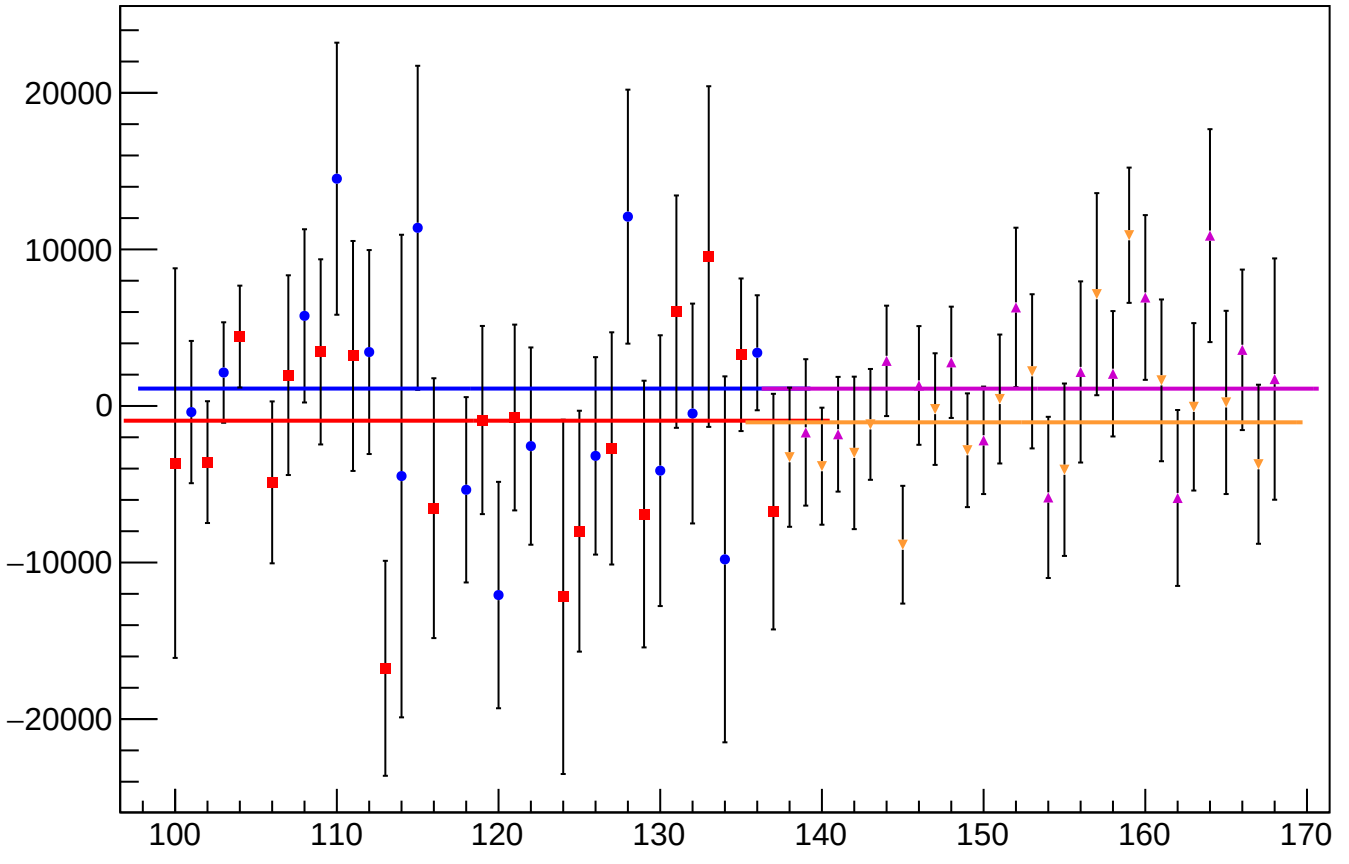
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1827.953+/-0.367 χ^2/NDF:13153.4/14

+ sign 1855.261+/-0.297 χ^2/NDF: 727101.6/31

All: 1850.947+/-0.209 χ^2/NDF: 964618.5/65

- sign 1846.684+/-0.295 χ^2/NDF: 237097.3/33



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1044.545+/-1103.988 χ^2/NDF:16.4/15

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

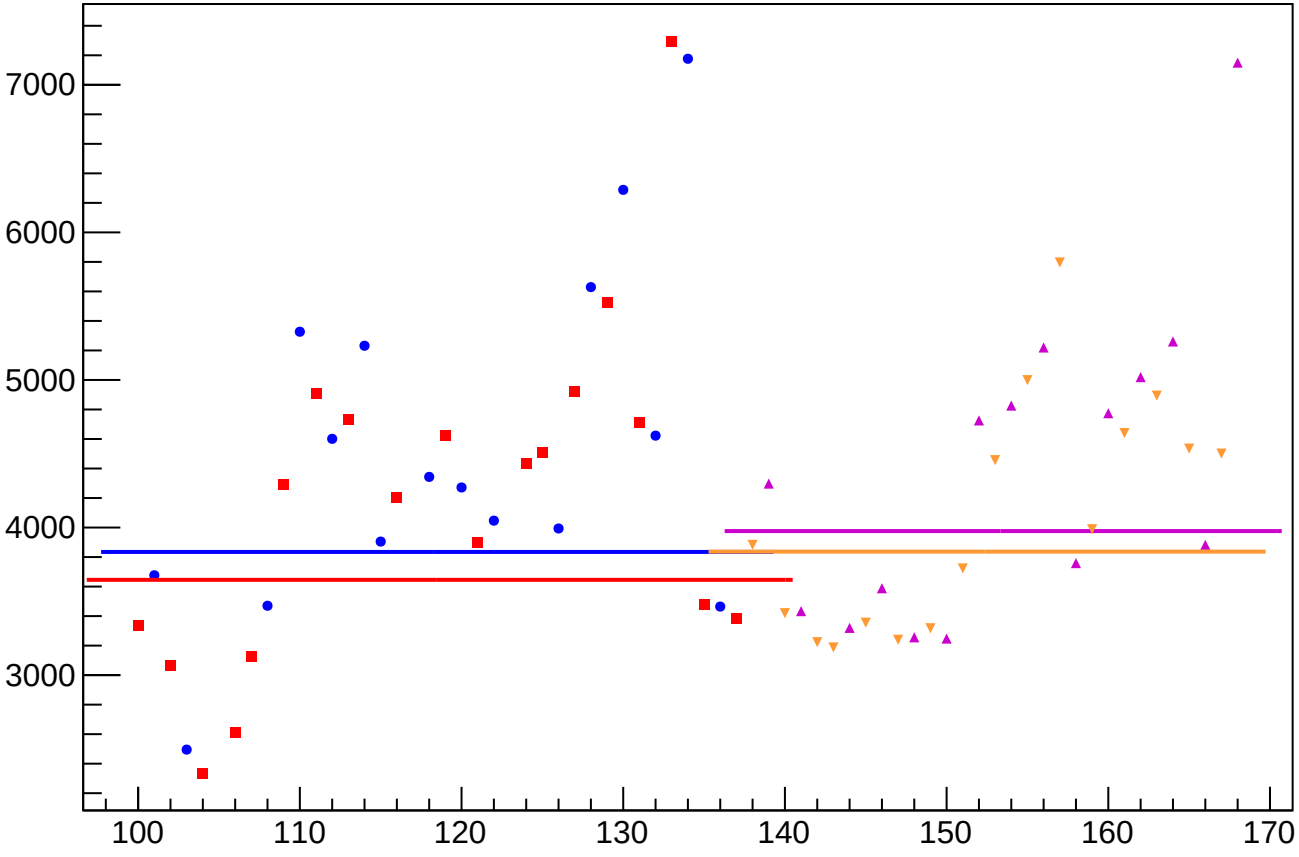
Left In: 1105.900+/-1156.930 χ^2/NDF:10.4/14

+ sign -273.369+/-884.792 χ^2/NDF: 31.1/31

All: -1.423+/-628.022 χ^2/NDF: 59.2/65

- sign 274.699+/-891.560 χ^2/NDF: 27.9/33

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3836.788+/-0.781 χ^2/NDF:752144.1/15

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

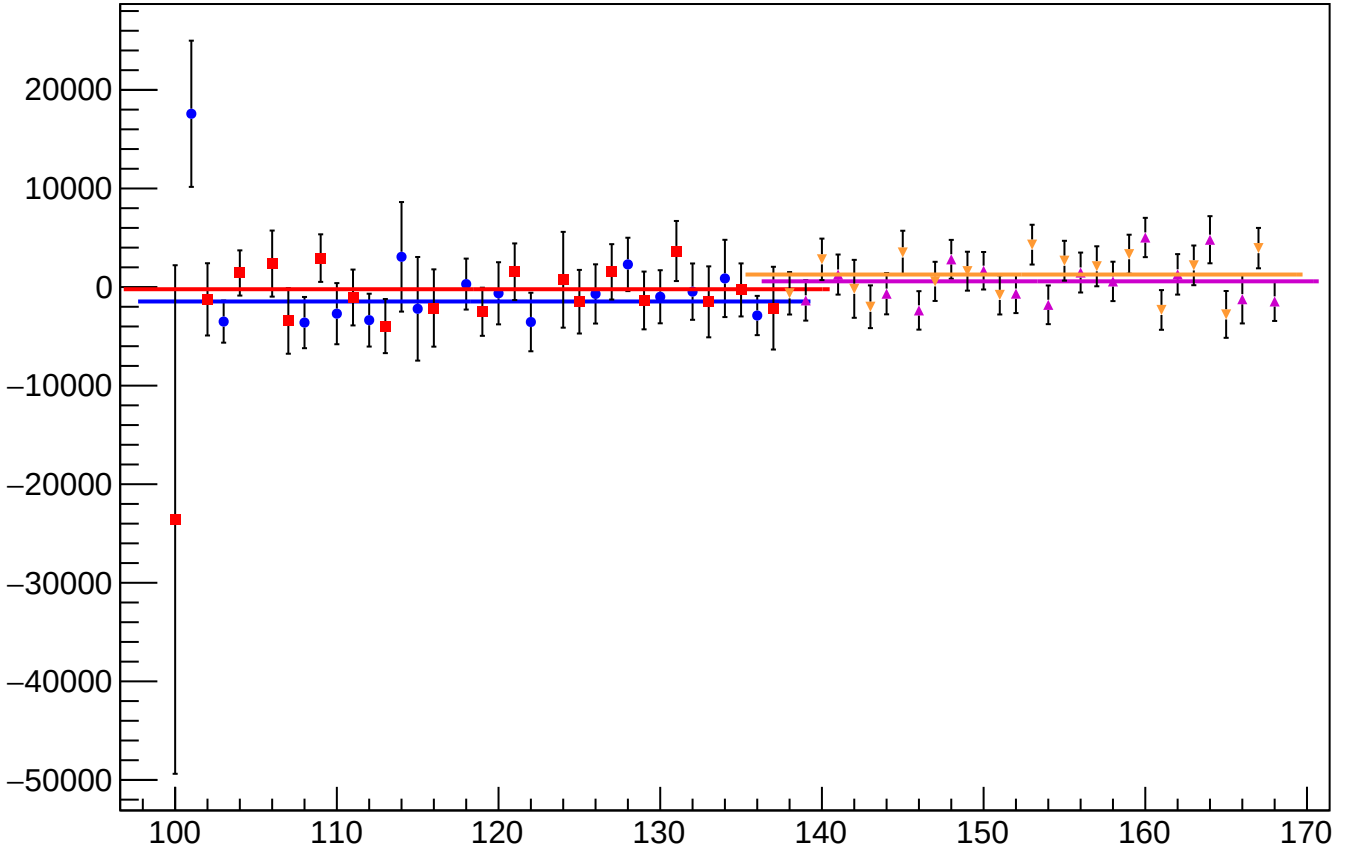
Left In: 3976.096+/-0.818 χ^2/NDF:1038214.1/14

+ sign 3836.038+/-0.626 χ^2/NDF: 1708458.9/31

All: 3838.950+/-0.444 χ^2/NDF: 3937947.9/65

- sign 3841.906+/-0.630 χ^2/NDF: 2229445.3/33

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1271.062+/-524.268 χ^2/NDF:18.1/15

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

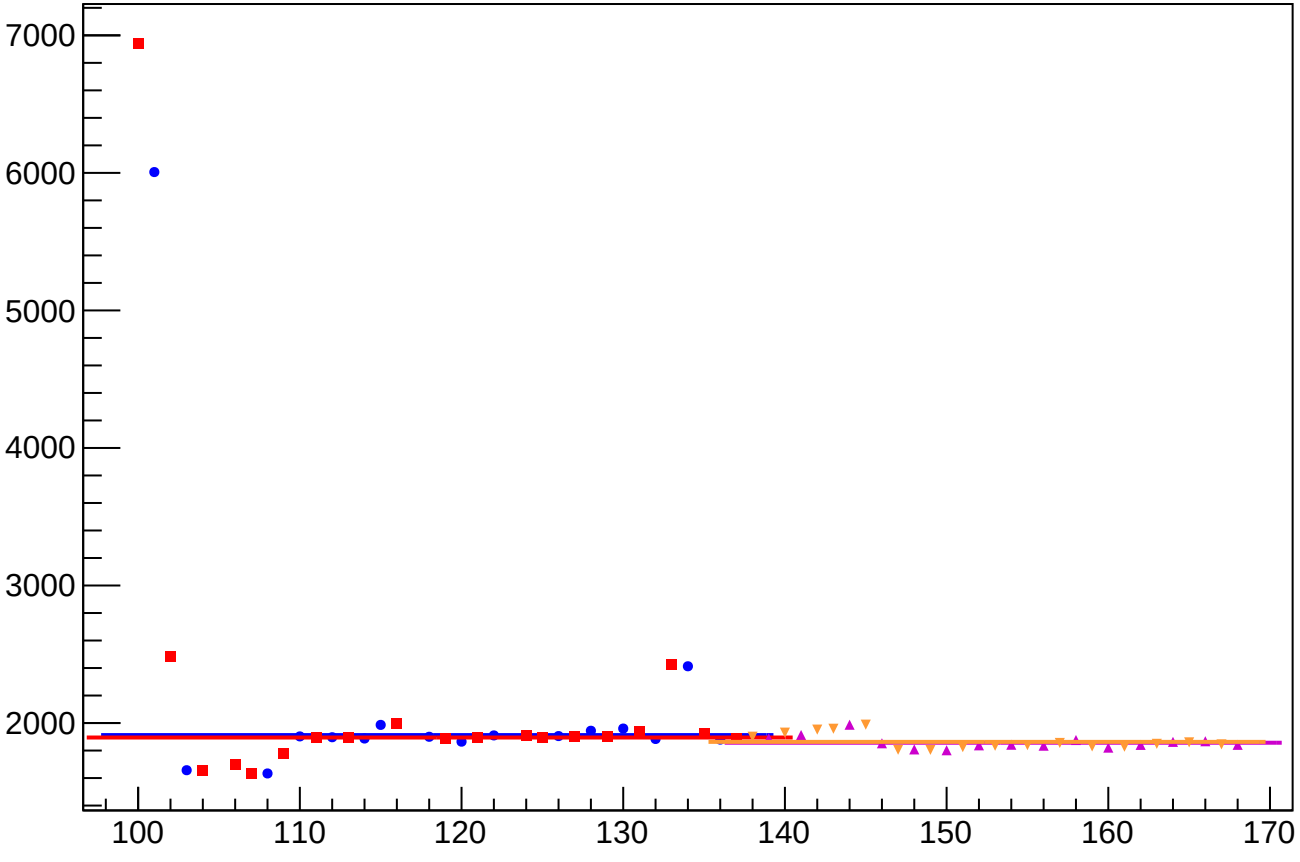
Left In: 580.695+/-527.191 χ^2/NDF:17.1/14

+ sign 337.954+/-425.486 χ^2/NDF: 41.0/31

All: 316.671+/-299.990 χ^2/NDF: 69.7/65

- sign 295.635+/-423.023 χ^2/NDF: 28.7/33

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1863.058+/-0.371 χ^2/NDF:21084.5/15

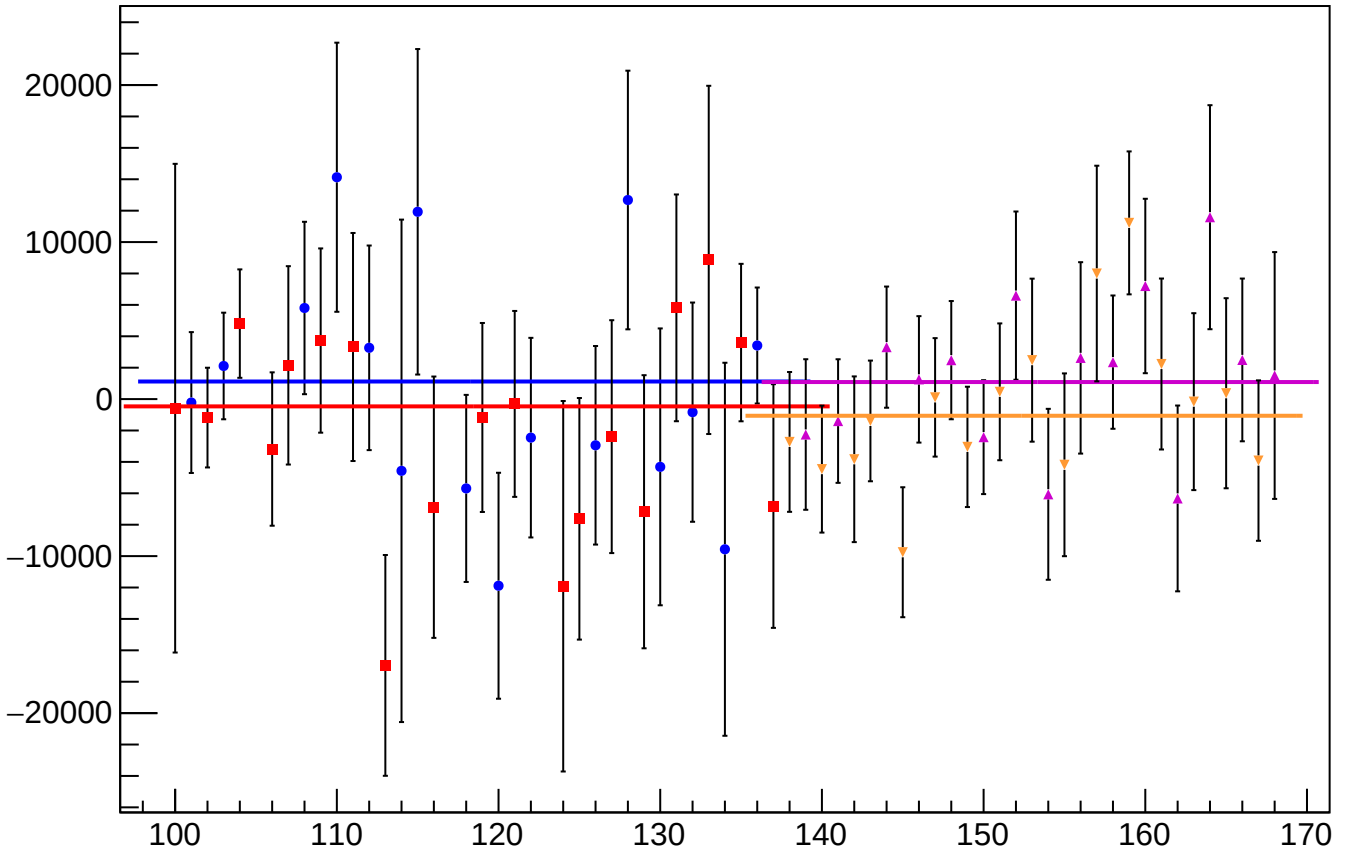
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1856.832+/-0.373 χ^2/NDF:14320.7/14

+ sign 1879.893+/-0.301 χ^2/NDF: 723346.4/31

All: 1875.097+/-0.212 χ^2/NDF: 961646.4/65

- sign 1870.360+/-0.299 χ^2/NDF: 237794.9/33



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -1061.713+/-1169.102 χ^2/NDF:16.6/15

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

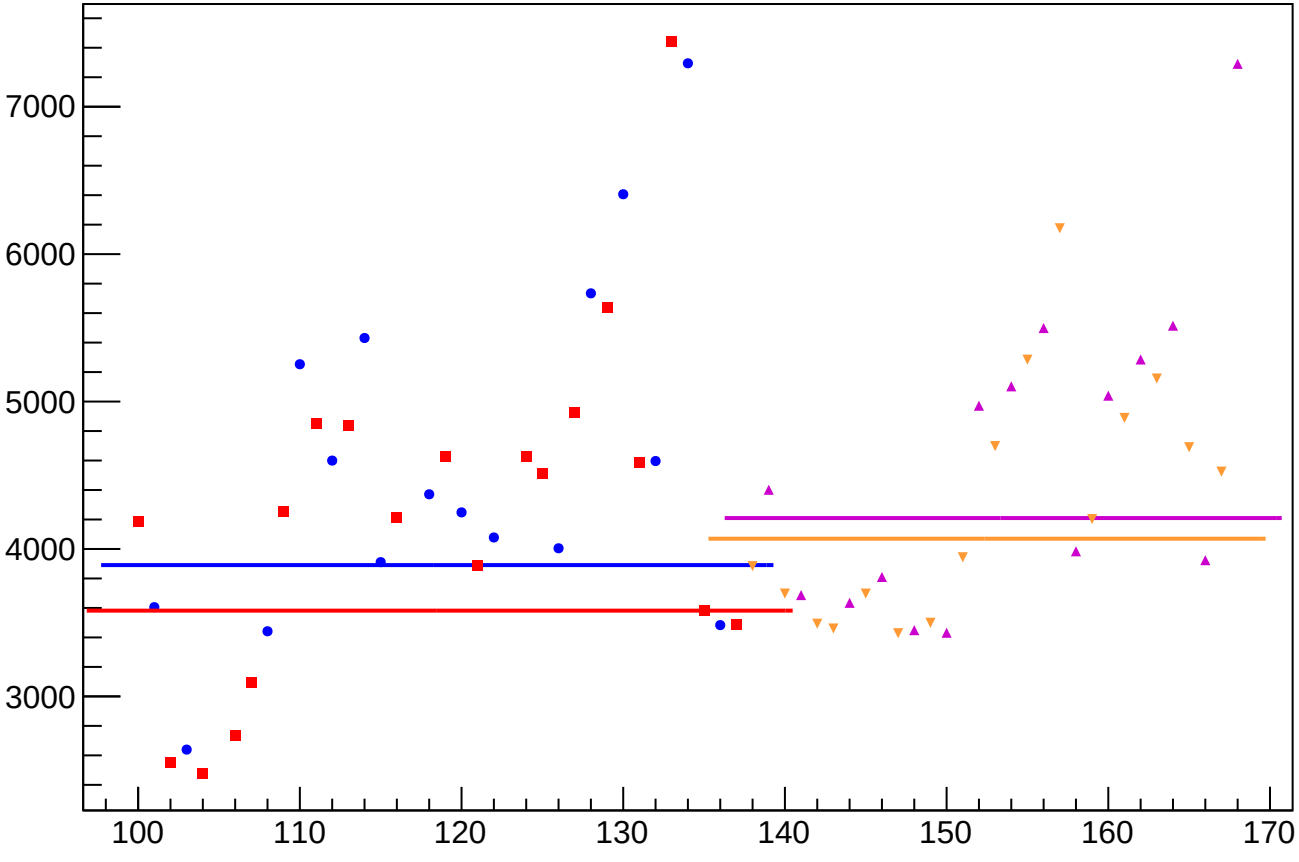
Left In: 1085.756+/-1223.018 χ^2/NDF:10.2/14

+ sign -235.577+/-921.565 χ^2/NDF: 31.3/31

All: 84.680+/-648.453 χ^2/NDF: 57.6/65

- sign 398.737+/-912.602 χ^2/NDF: 26.0/33

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4069.766+/-0.827 χ^2/NDF:677150.2/15

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

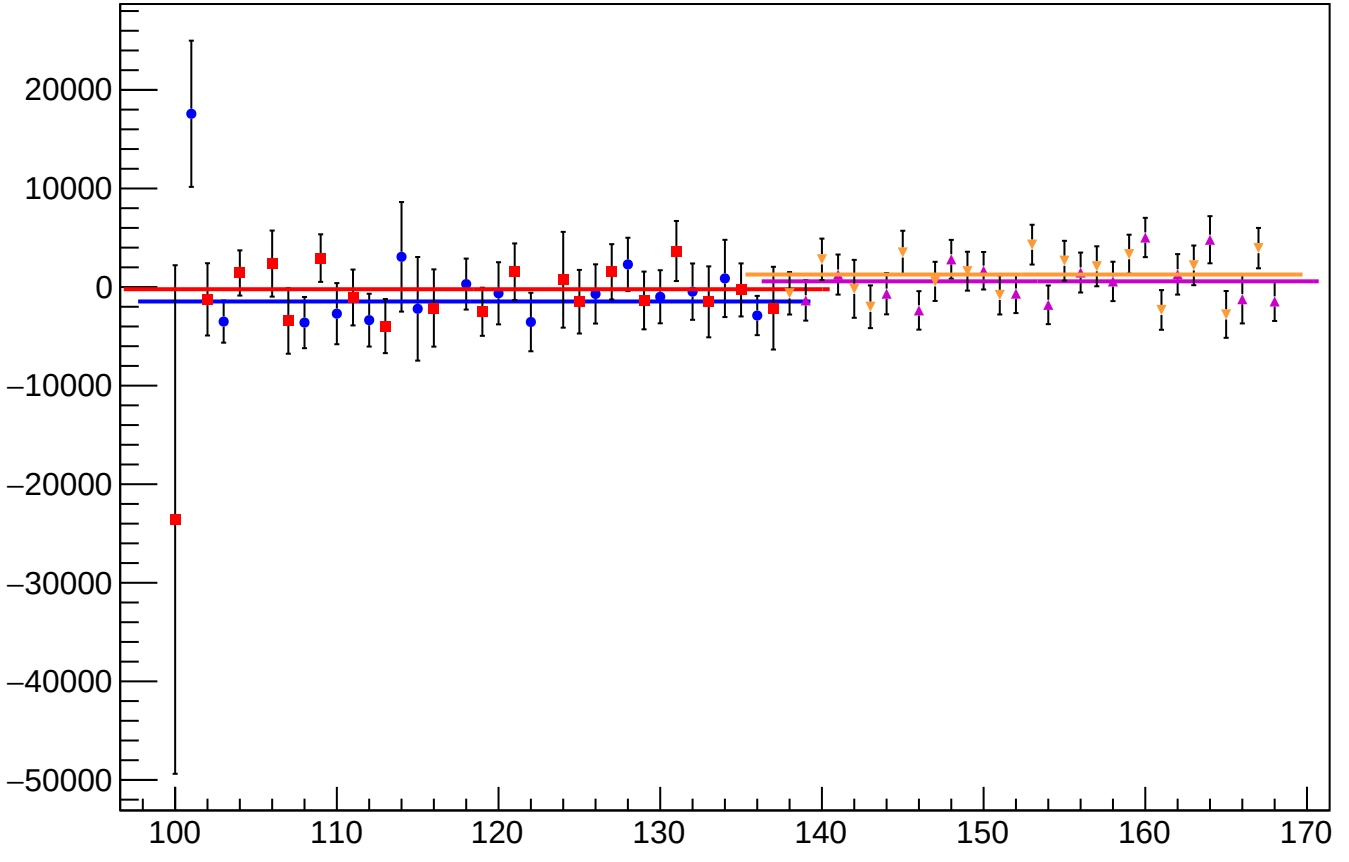
Left In: 4209.820+/-0.865 χ^2/NDF:956736.0/14

+ sign 4001.969+/-0.652 χ^2/NDF: 1573332.1/31

All: 3966.375+/-0.459 χ^2/NDF: 3991577.2/65

- sign 3931.471+/-0.645 χ^2/NDF: 2412336.1/33

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1271.071+/-524.268 χ^2/NDF:18.1/15

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

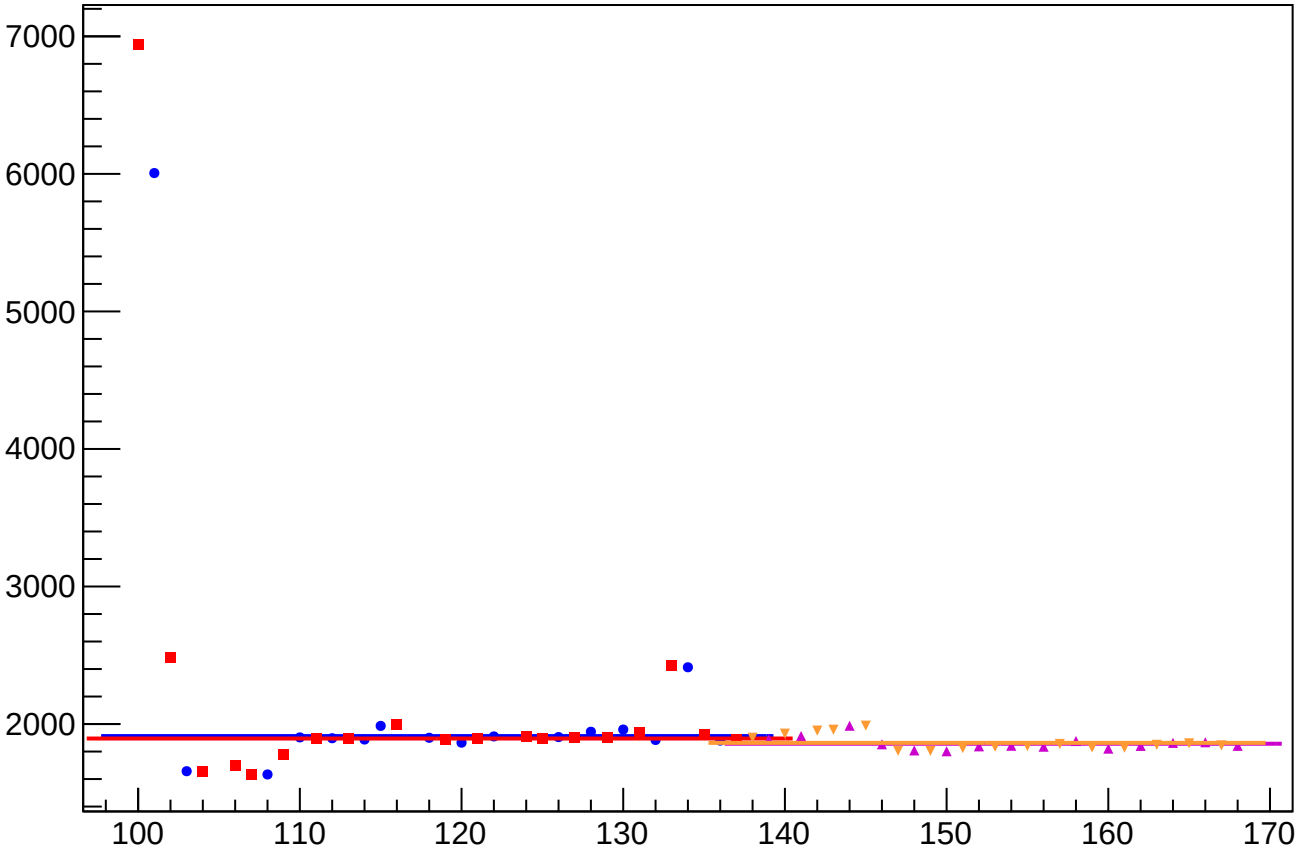
Left In: 580.697+/-527.191 χ^2/NDF:17.1/14

+ sign 337.957+/-425.486 χ^2/NDF: 41.0/31

All: 316.675+/-299.990 χ^2/NDF: 69.7/65

- sign 295.638+/-423.023 χ^2/NDF: 28.7/33

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1863.059+/-0.371 χ^2/NDF:21084.5/15

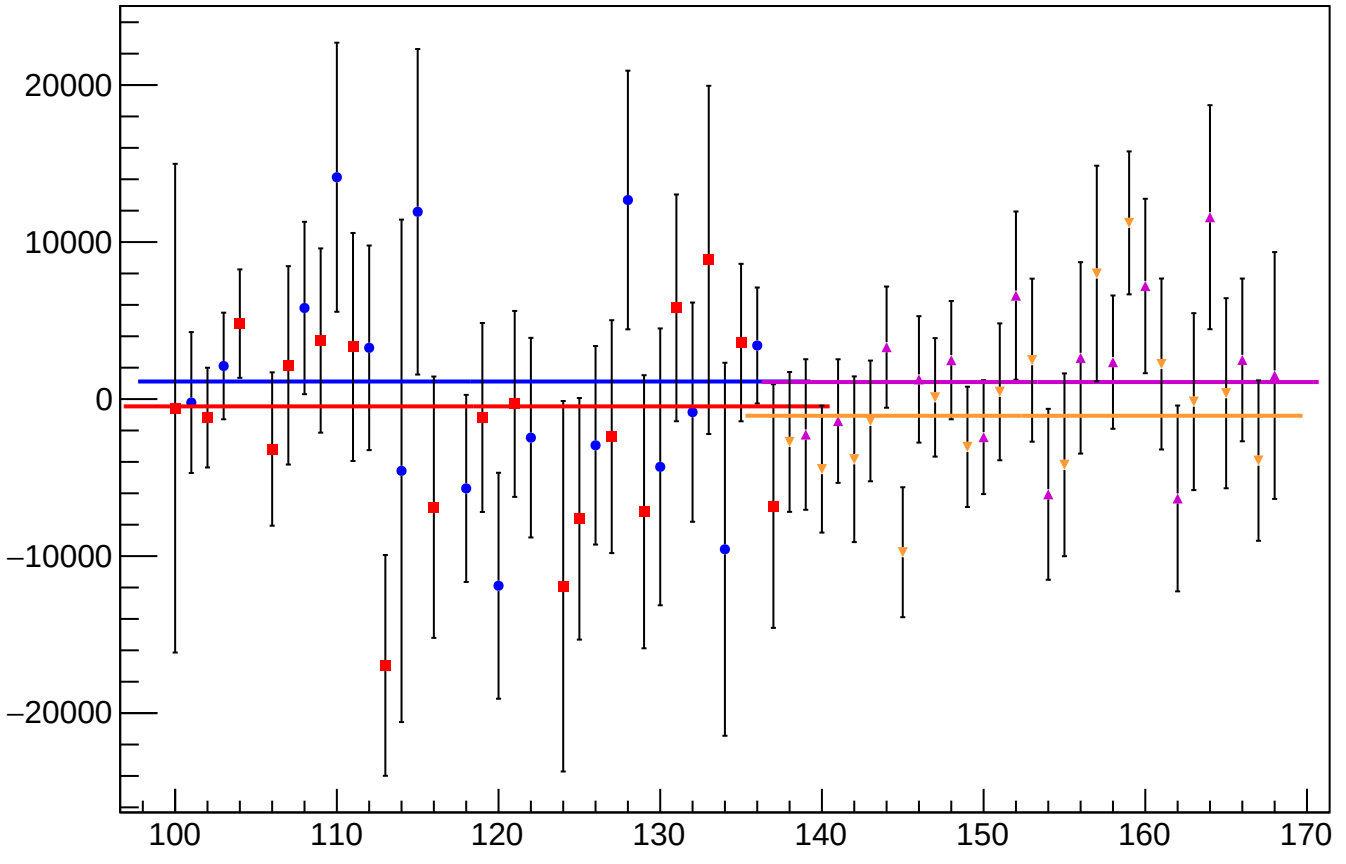
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1856.833+/-0.373 χ^2/NDF:14320.6/14

+ sign 1879.893+/-0.301 χ^2/NDF: 723346.1/31

All: 1875.097+/-0.212 χ^2/NDF: 961645.7/65

- sign 1870.360+/-0.299 χ^2/NDF: 237794.6/33



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1061.710+/-1169.104 χ^2/NDF:16.6/15

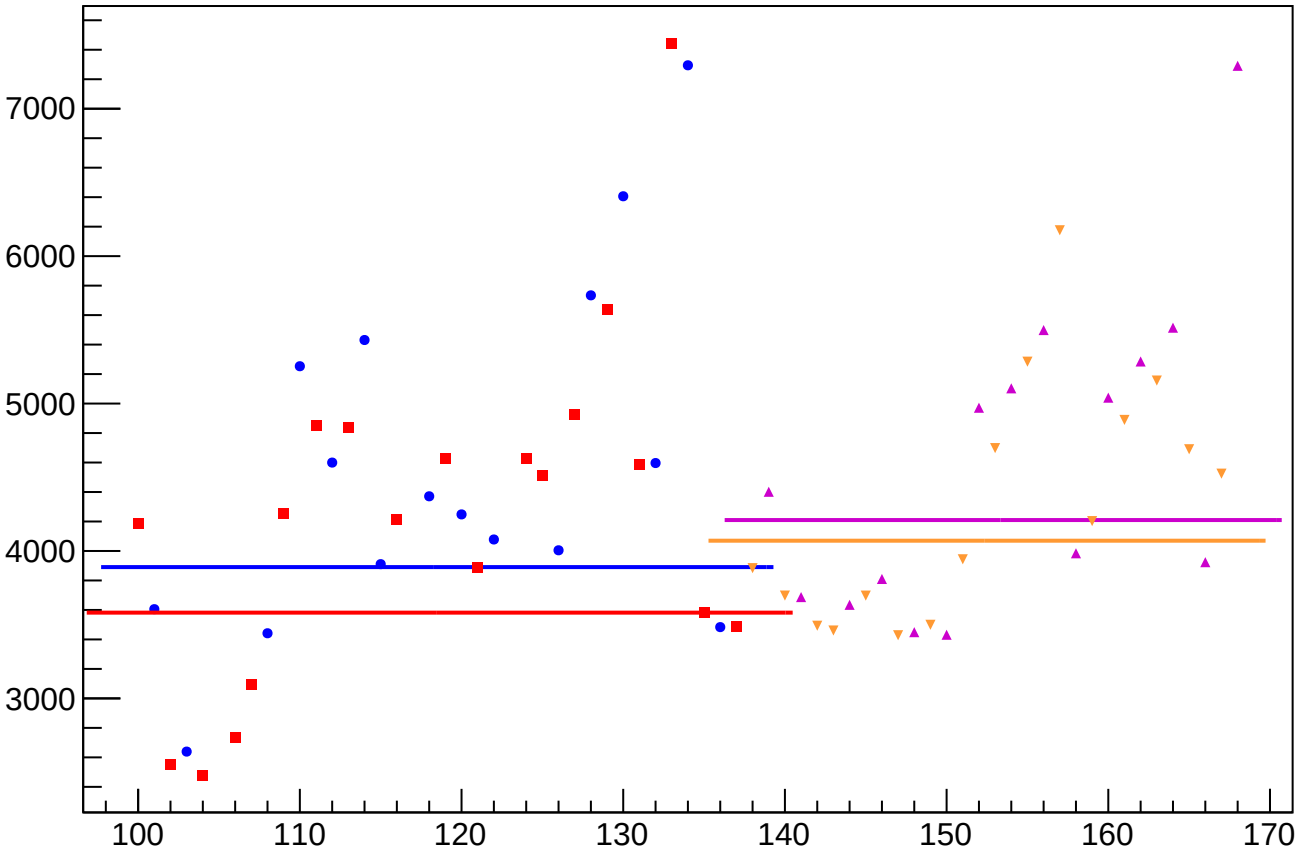
Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: 1085.755+/-1223.020 χ^2/NDF:10.2/14

+ sign -235.578+/-921.566 χ^2/NDF: 31.3/31

All: 84.678+/-648.453 χ^2/NDF: 57.6/65

- sign 398.734+/-912.602 χ^2/NDF: 26.0/33



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4069.773+/-0.827 χ^2/NDF:677151.9/15

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

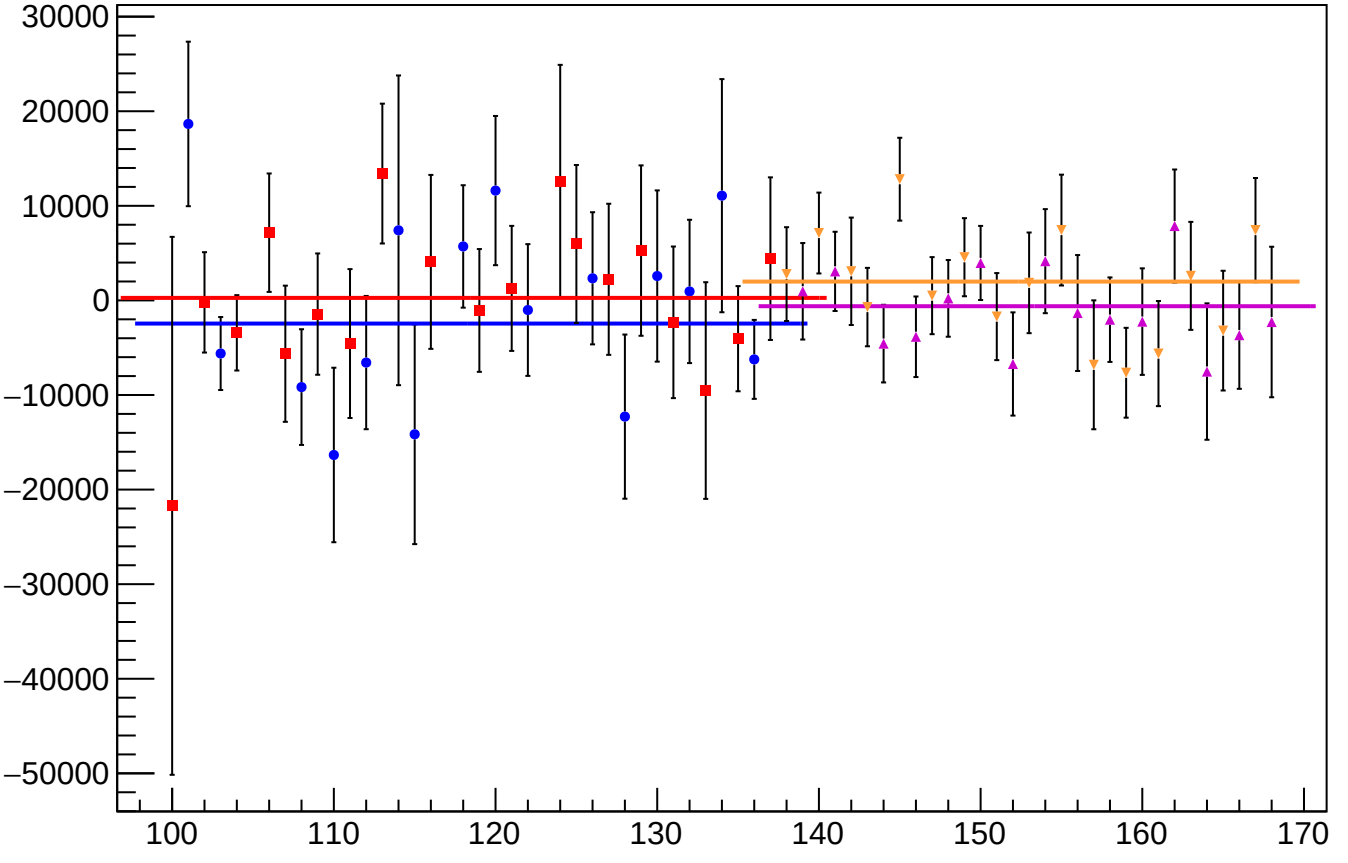
Left In: 4209.827+/-0.865 χ^2/NDF:956737.8/14

+ sign 4001.972+/-0.652 χ^2/NDF: 1573326.7/31

All: 3966.378+/-0.459 χ^2/NDF: 3991572.3/65

- sign 3931.473+/-0.645 χ^2/NDF: 2412336.3/33

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1990.368+/-1236.359 χ^2/NDF:19.4/15

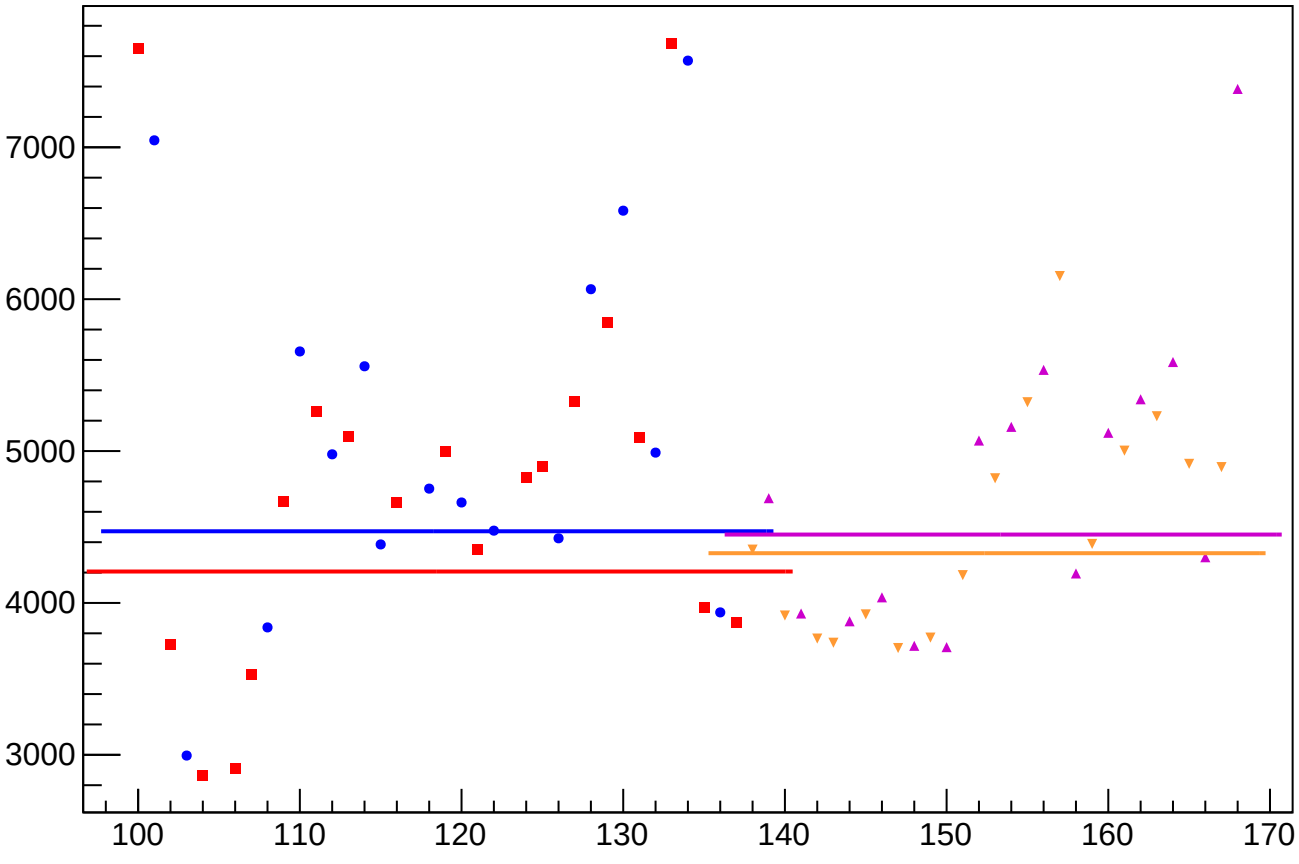
Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -613.860+/-1285.842 χ^2/NDF:9.2/14

+ sign 477.901+/-1003.852 χ^2/NDF: 44.6/31

All: 103.167+/-711.210 χ^2/NDF: 65.1/65

- sign -274.495+/-1007.765 χ^2/NDF: 20.1/33



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4327.533+/-0.874 χ^2/NDF:517016.3/15

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

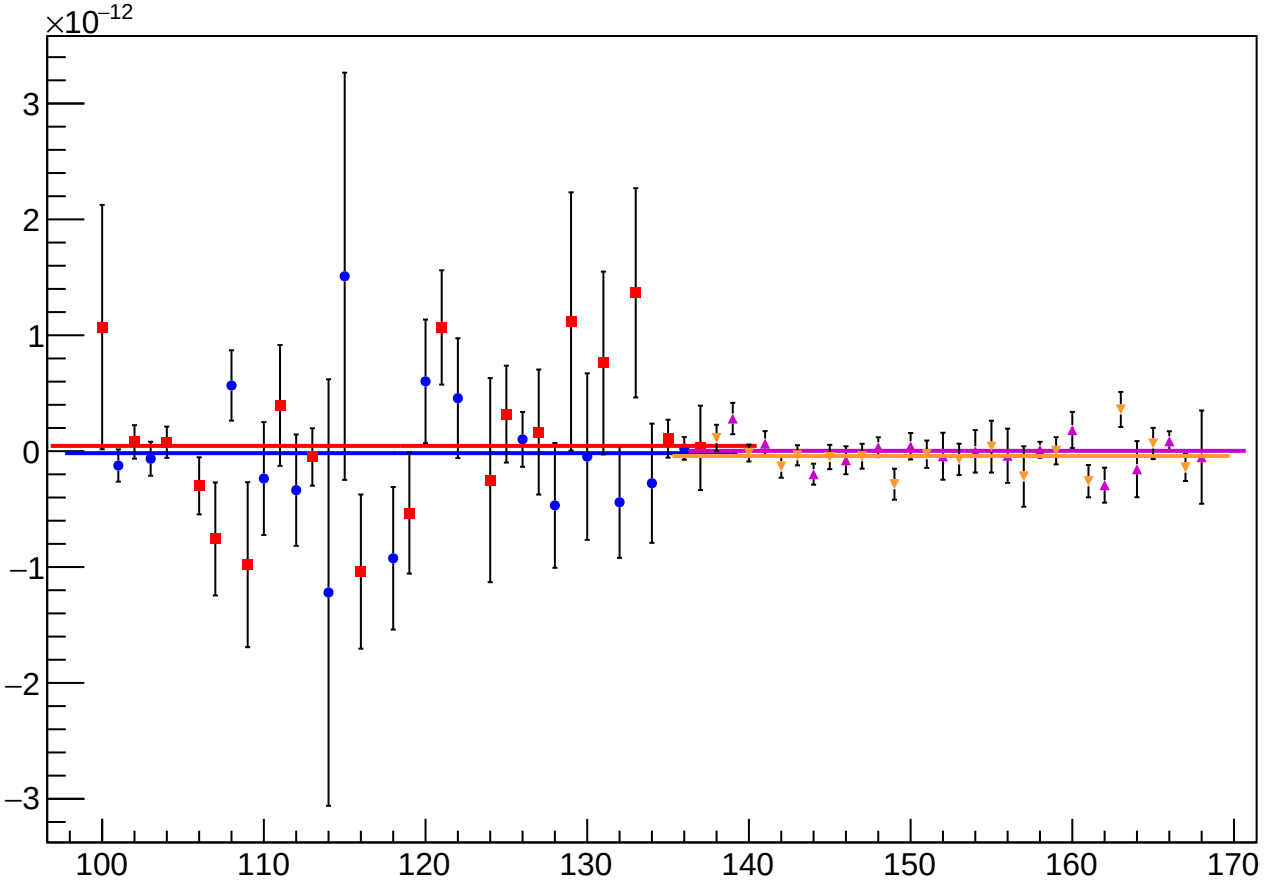
Left In: 4450.296+/-0.909 χ^2/NDF:753405.4/14

+ sign 4376.728+/-0.710 χ^2/NDF: 1417987.4/31

All: 4366.102+/-0.502 χ^2/NDF: 3046286.9/65

- sign 4355.461+/-0.710 χ^2/NDF: 1627851.1/33

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:17.9/15

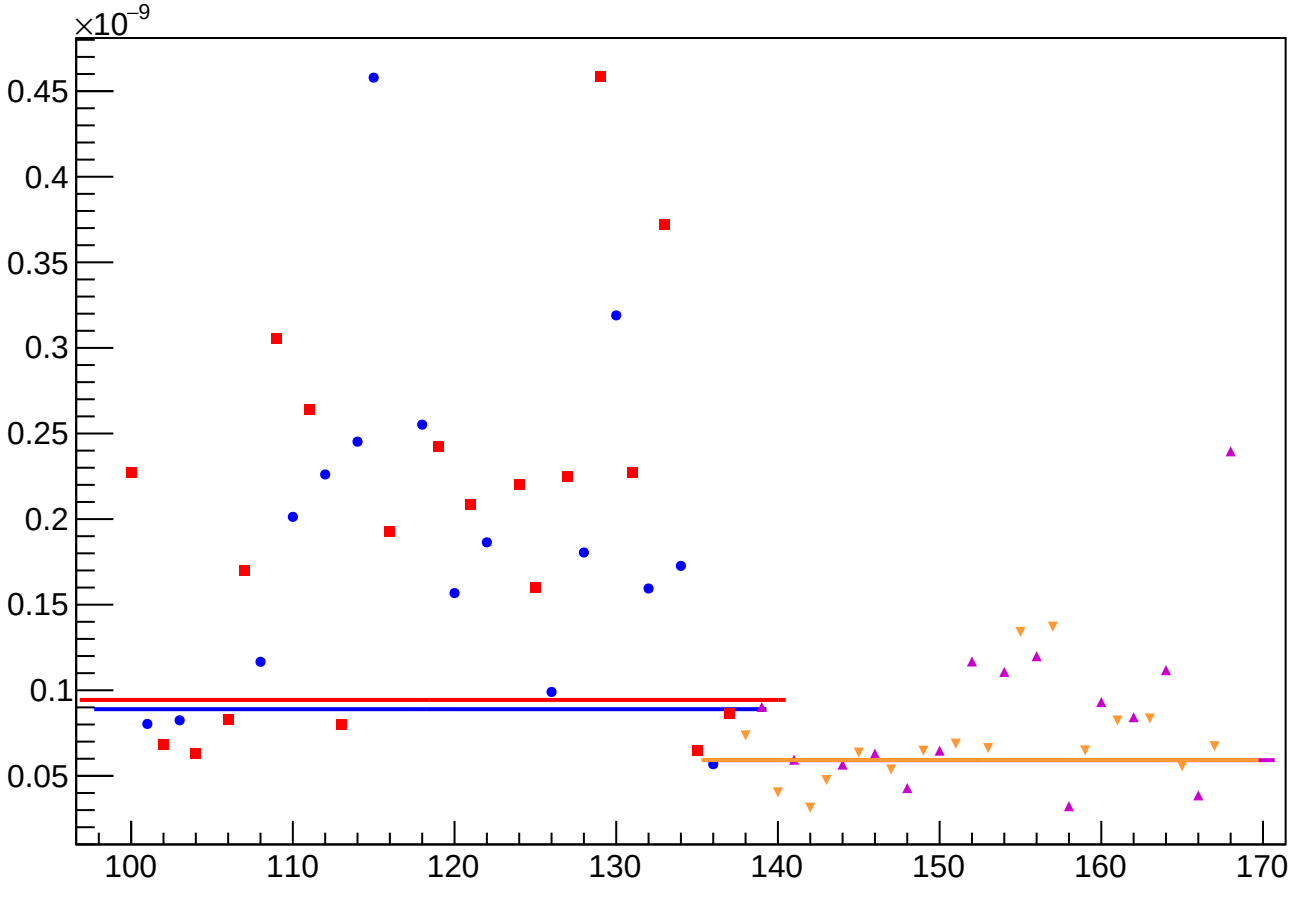
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/14

+ sign -0.000+/-0.000 χ^2/NDF: 30.8/31

All: -0.000+/-0.000 χ^2/NDF: 70.7/65

- sign 0.000+/-0.000 χ^2/NDF: 38.4/33



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:923638.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

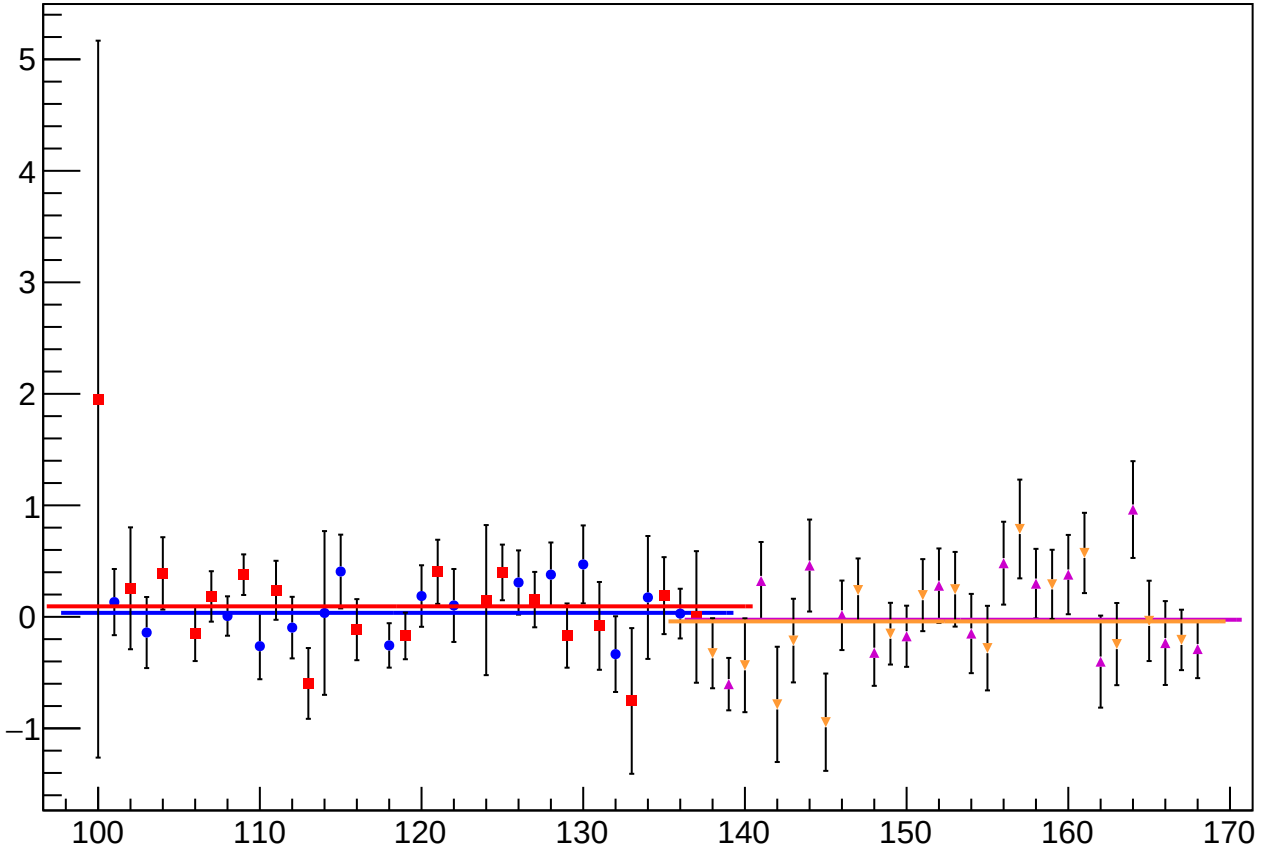
Left In: 0.000+/-0.000 χ^2/NDF:1705515.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 2536086.2/31

All: 0.000+/-0.000 χ^2/NDF: 6381398.8/65

- sign 0.000+/-0.000 χ^2/NDF: 3845056.3/33

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.041+/-0.086 χ^2/NDF:19.3/15

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

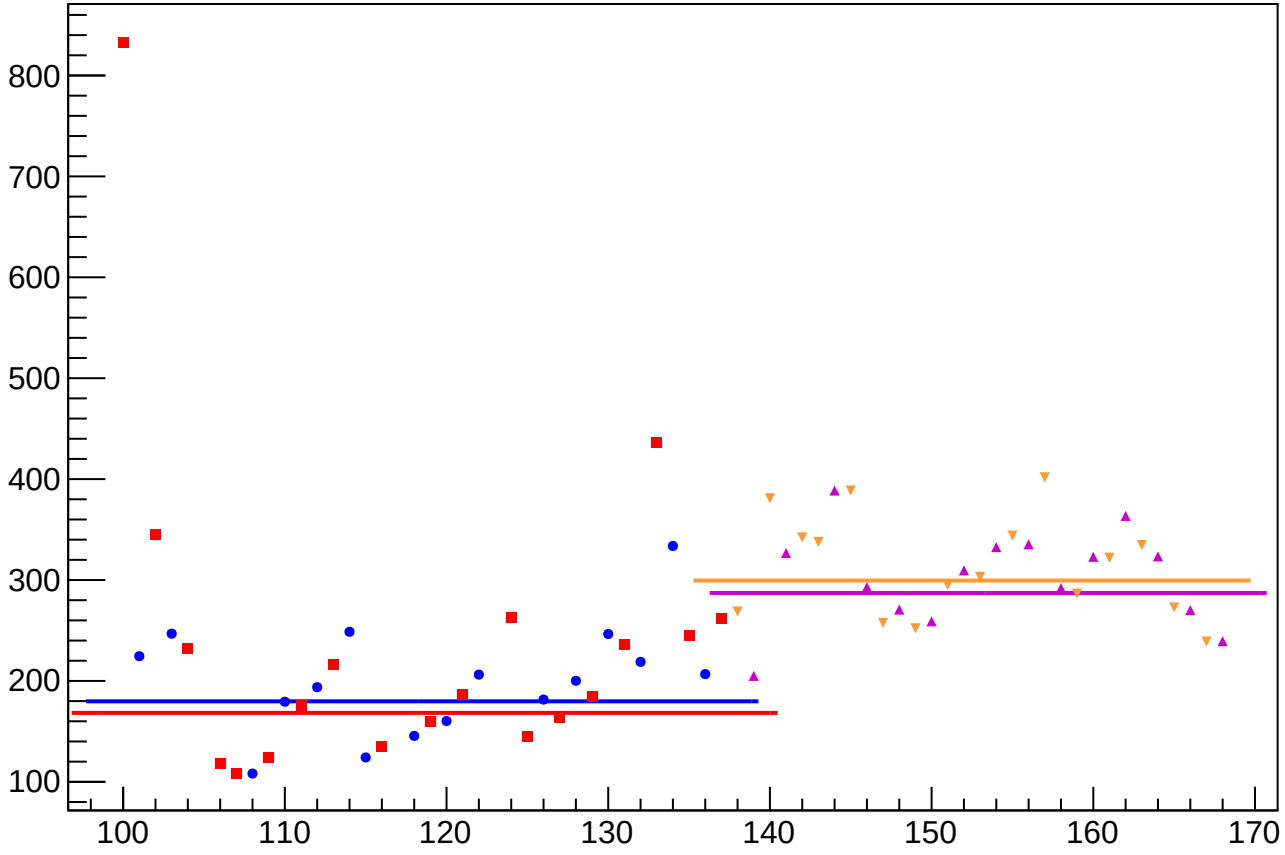
Left In: -0.026+/-0.084 χ^2/NDF:22.2/14

+ sign 0.005+/-0.055 χ^2/NDF: 30.3/31

All: 0.027+/-0.038 χ^2/NDF: 71.7/65

- sign 0.047+/-0.053 χ^2/NDF: 41.1/33

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 299.483+/-0.061 χ^2/NDF:589457.3/15

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

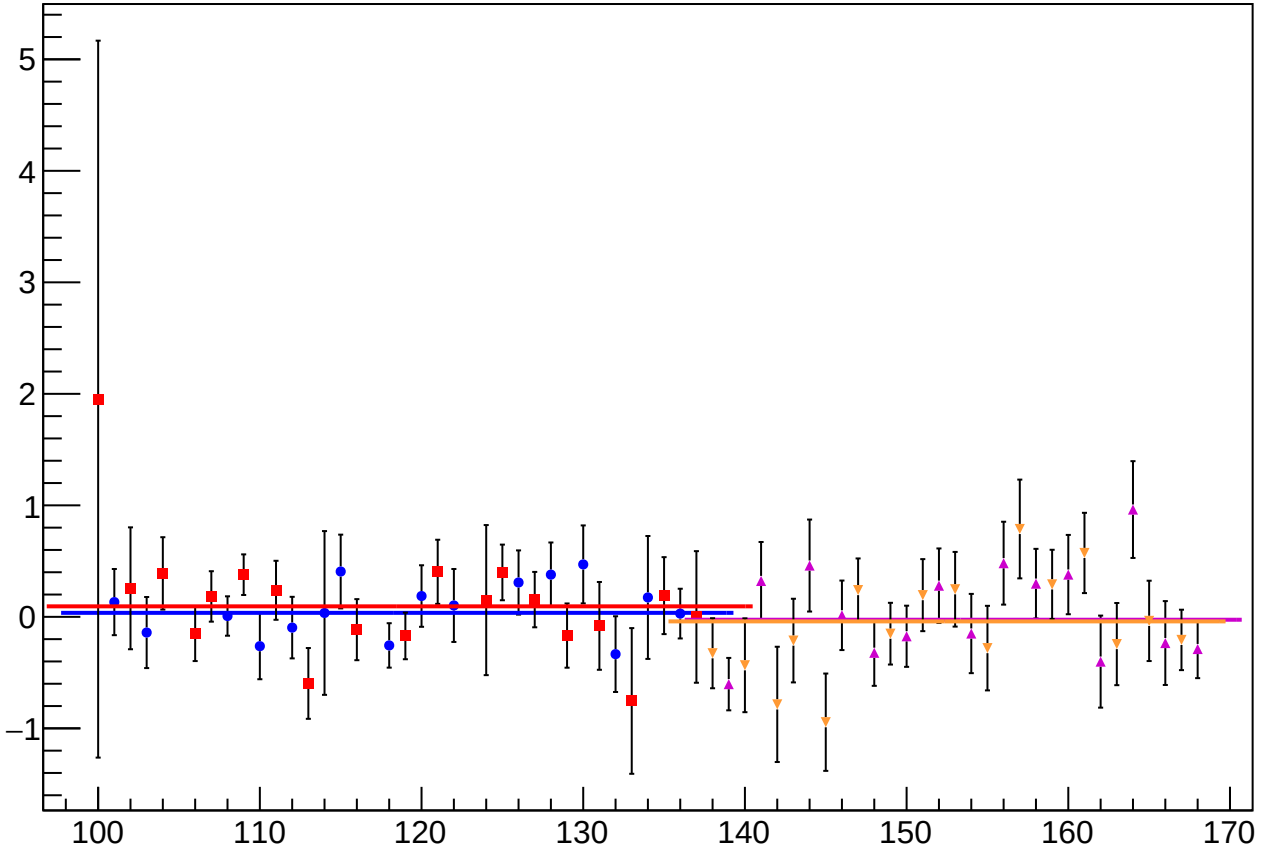
Left In: 287.164+/-0.059 χ^2/NDF:668571.8/14

+ sign 227.859+/-0.039 χ^2/NDF: 3817574.6/31

All: 221.292+/-0.027 χ^2/NDF: 8385595.1/65

- sign 215.189+/-0.037 χ^2/NDF: 4512203.5/33

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: -0.041+/-0.086 χ^2/NDF:19.3/15

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

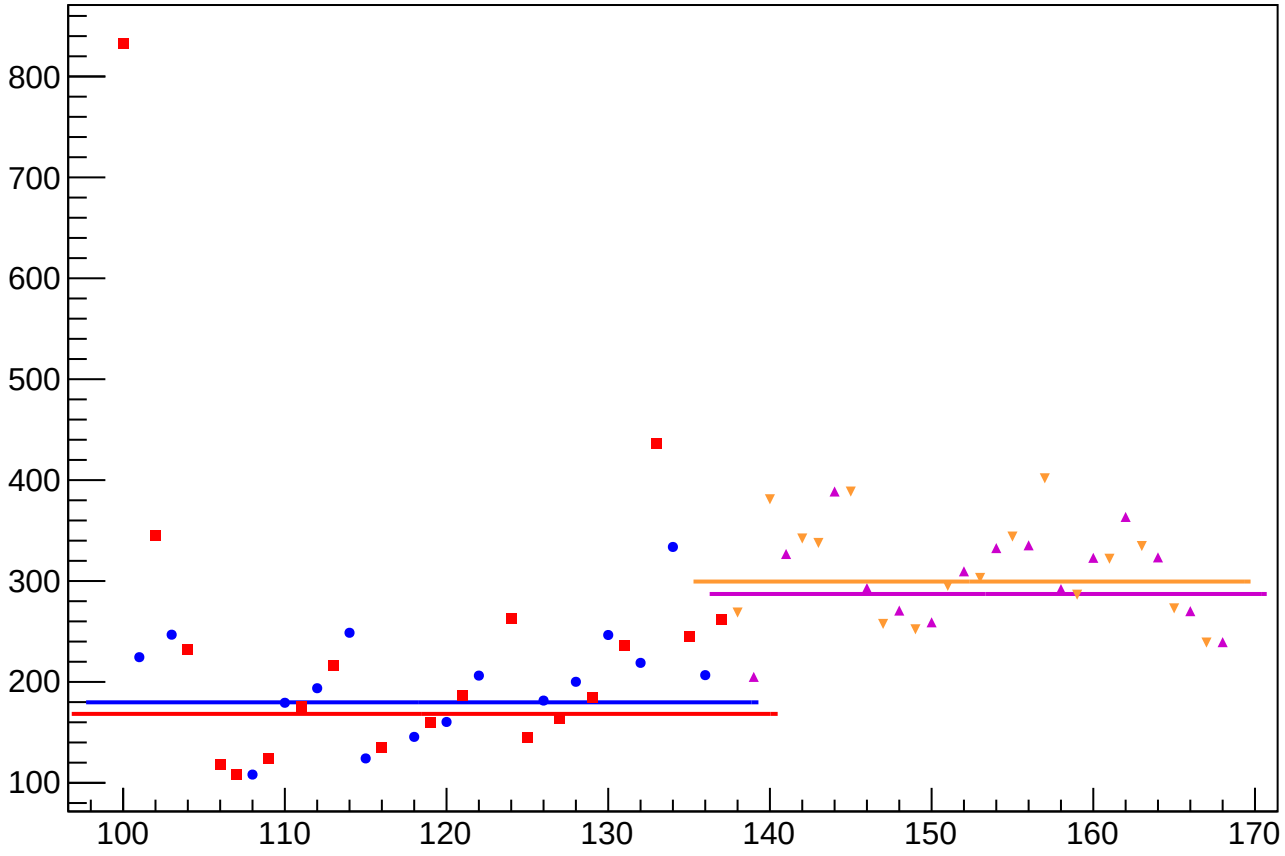
Left In: -0.026+/-0.084 χ^2/NDF:22.2/14

+ sign 0.005+/-0.055 χ^2/NDF: 30.3/31

All: 0.027+/-0.038 χ^2/NDF: 71.7/65

- sign 0.047+/-0.053 χ^2/NDF: 41.1/33

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: 299.483+/-0.061 χ^2/NDF:589457.3/15

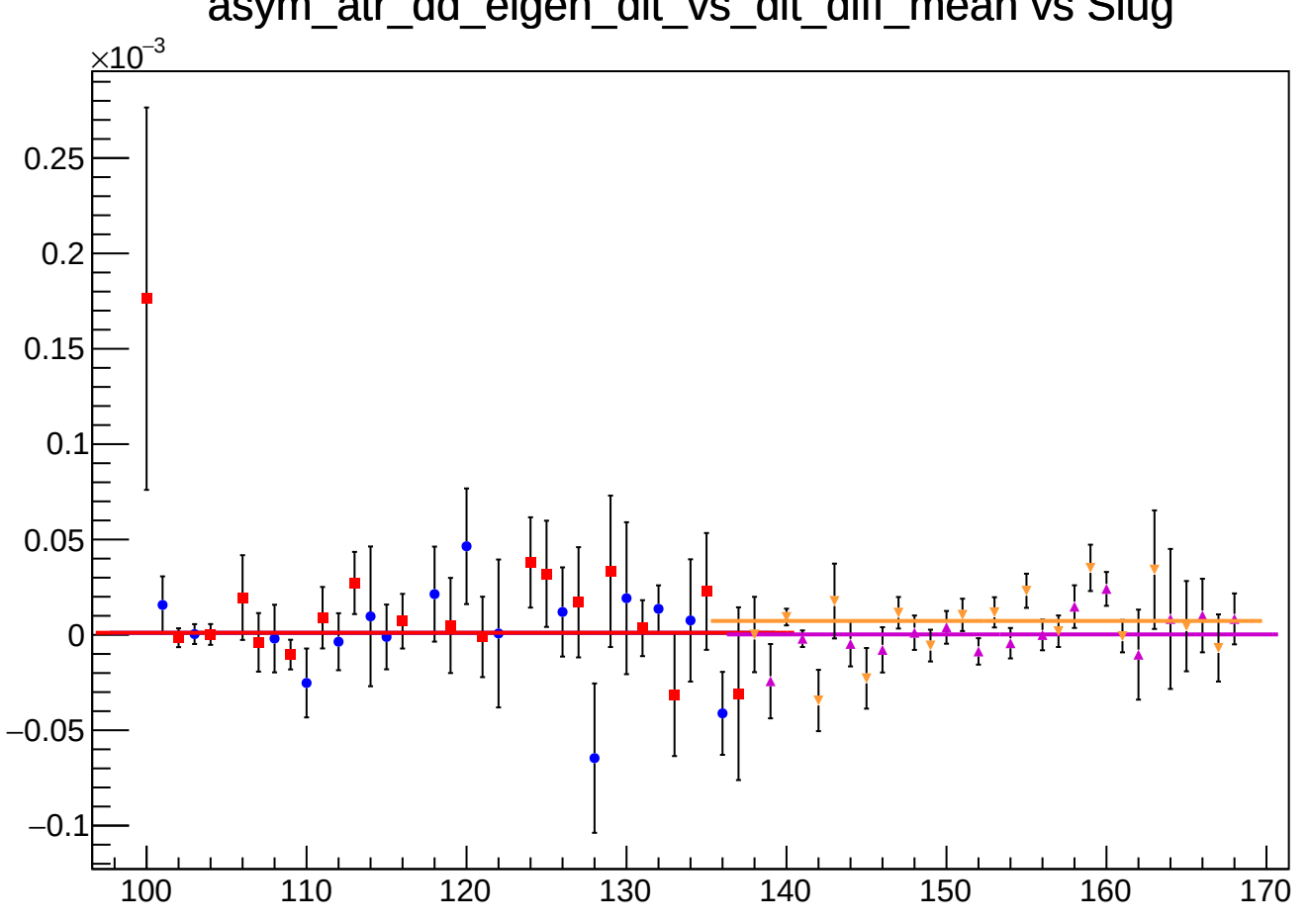
Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 287.164+/-0.059 χ^2/NDF:668571.8/14

+ sign 227.859+/-0.039 χ^2/NDF: 3817574.6/31

All: 221.292+/-0.027 χ^2/NDF: 8385595.1/65

- sign 215.189+/-0.037 χ^2/NDF: 4512203.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/15

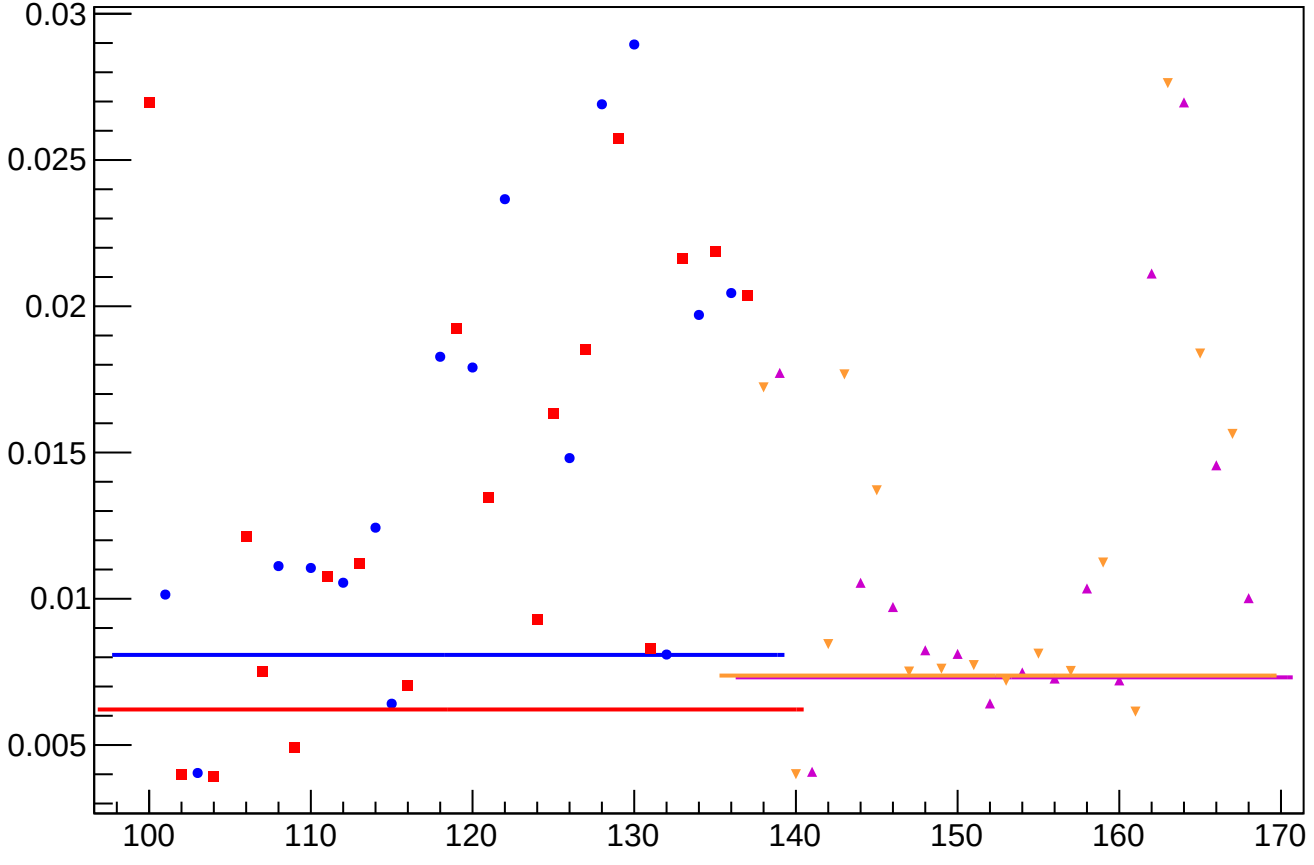
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:14.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 41.5/31

All: 0.000+/-0.000 χ^2/NDF: 75.3/65

- sign 0.000+/-0.000 χ^2/NDF: 30.6/33



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:4556145.0/15

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

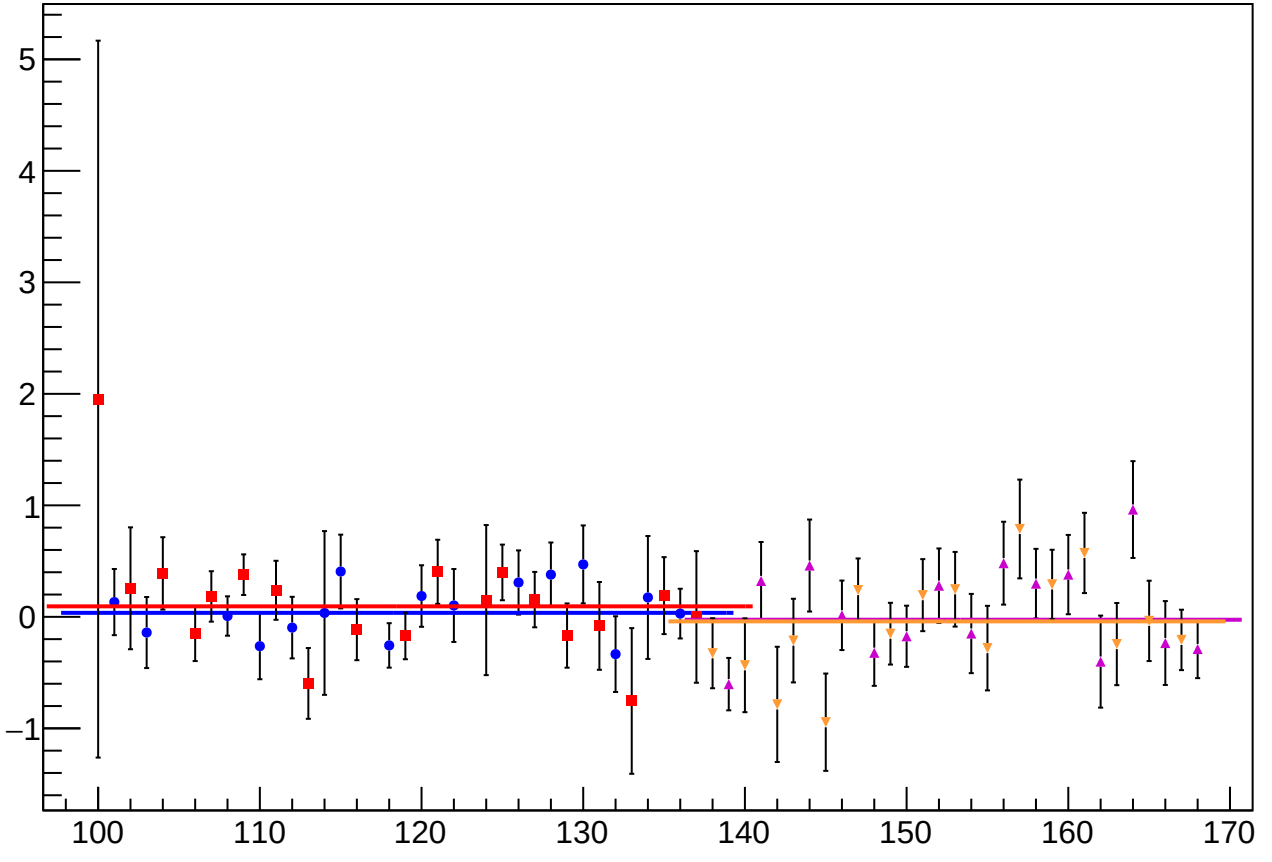
Left In: 0.007+/-0.000 χ^2/NDF:3748875.8/14

+ sign 0.008+/-0.000 χ^2/NDF: 9021078.4/31

All: 0.007+/-0.000 χ^2/NDF: 17651845.8/65

- sign 0.007+/-0.000 χ^2/NDF: 8488464.8/33

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: -0.041+/-0.086 χ^2/NDF:19.3/15

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

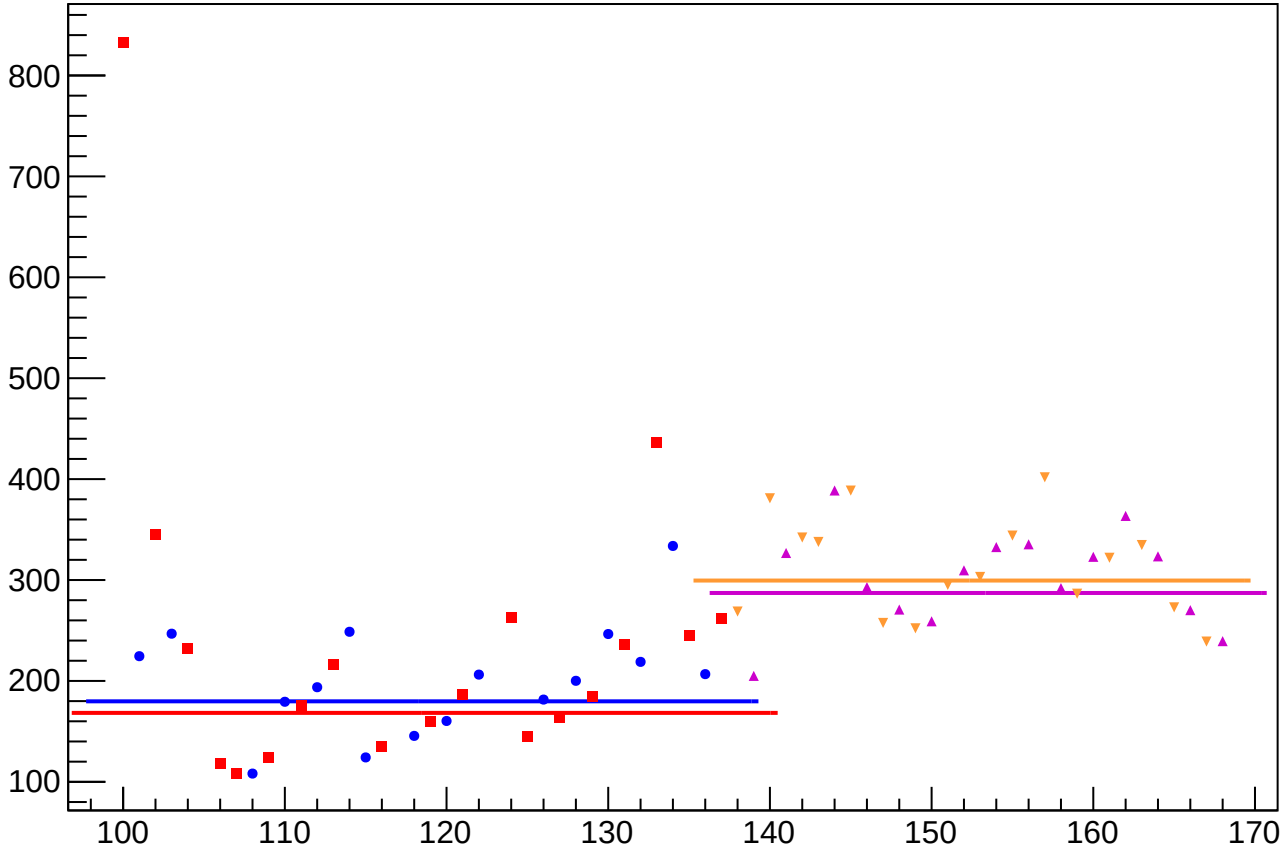
Left In: -0.026+/-0.084 χ^2/NDF:22.2/14

+ sign 0.005+/-0.055 χ^2/NDF: 30.3/31

All: 0.027+/-0.038 χ^2/NDF: 71.7/65

- sign 0.047+/-0.053 χ^2/NDF: 41.1/33

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: 299.488+/-0.061 χ^2/NDF:589445.2/15

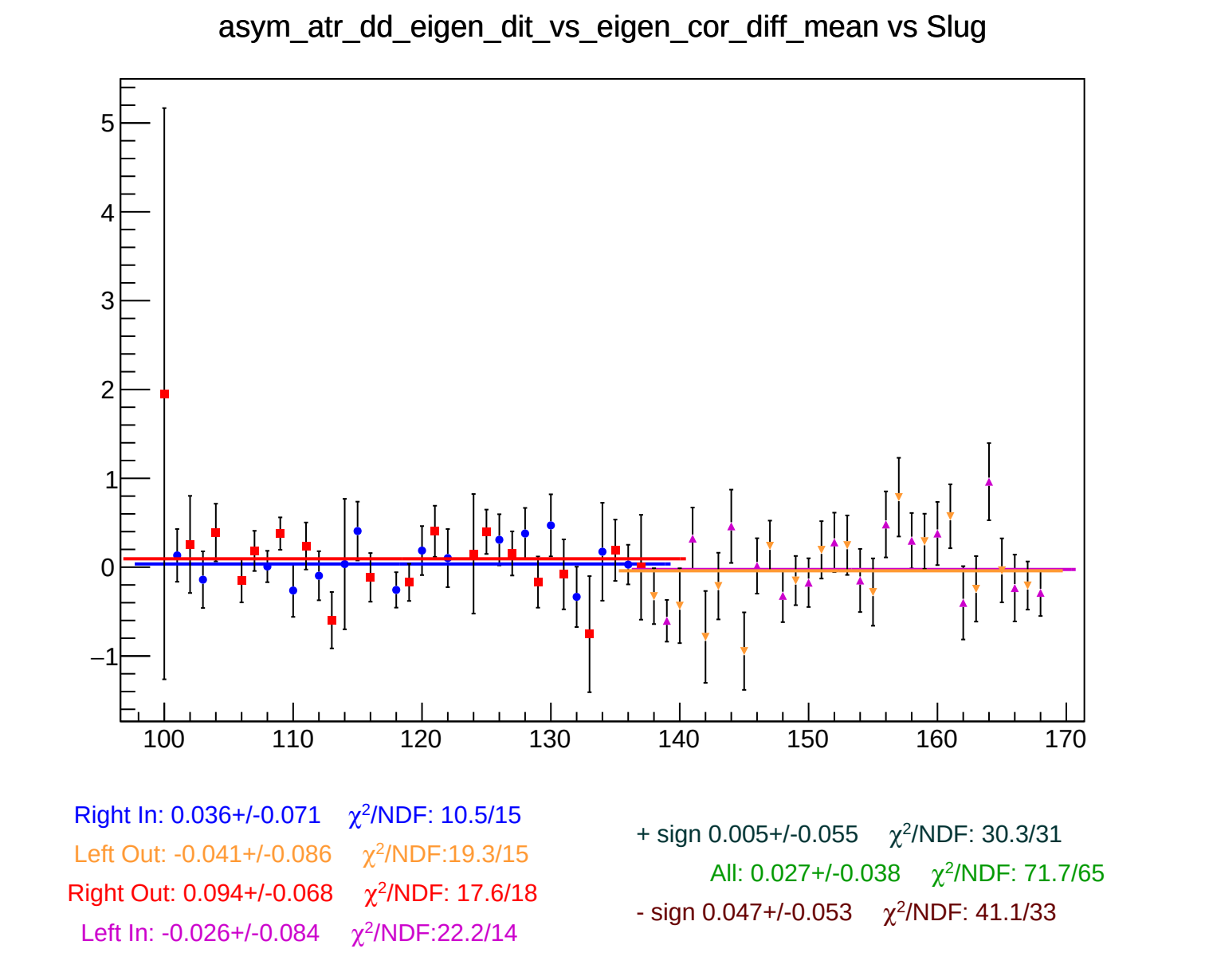
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

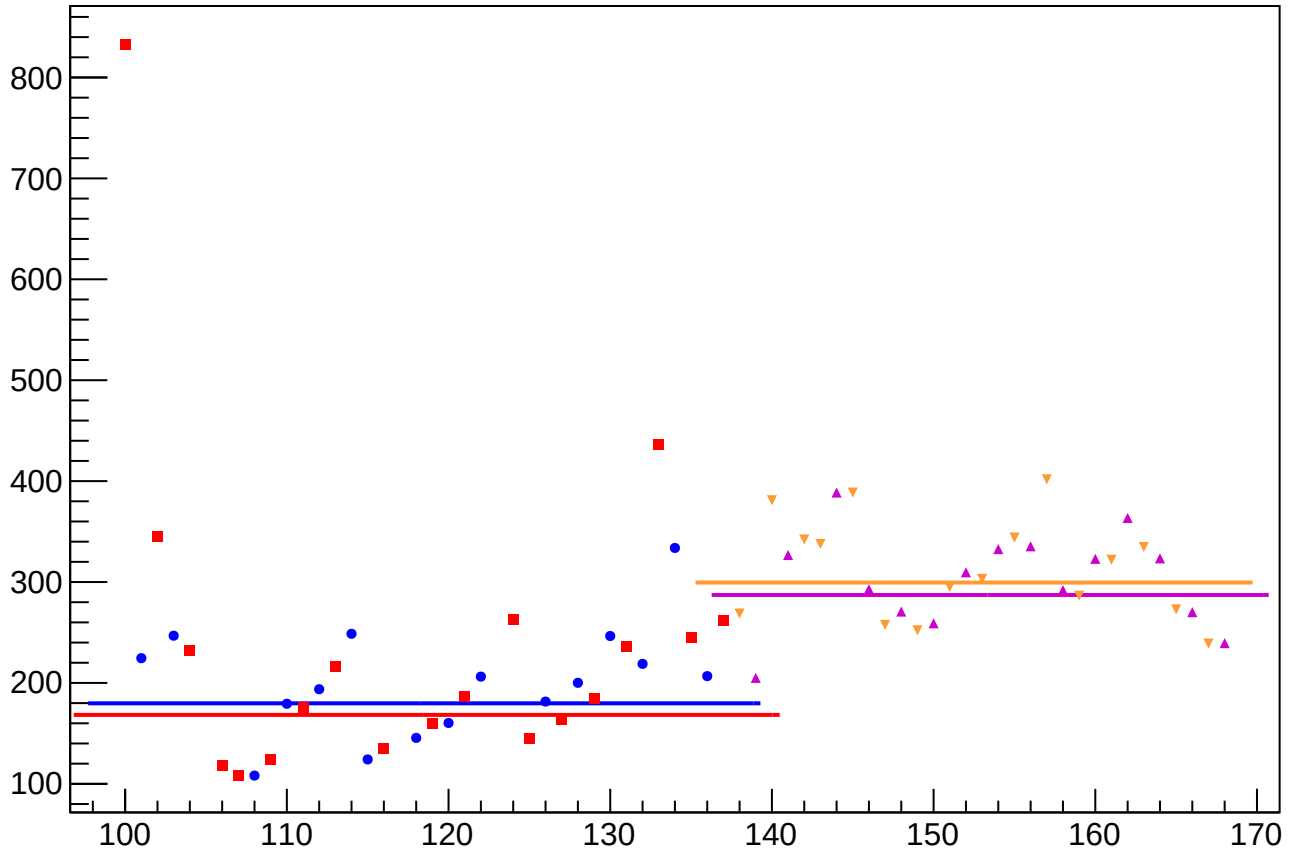
Left In: 287.169+/-0.059 χ^2/NDF:668547.4/14

+ sign 227.858+/-0.039 χ^2/NDF: 3817879.2/31

All: 221.292+/-0.027 χ^2/NDF: 8386017.9/65

- sign 215.190+/-0.037 χ^2/NDF: 4512339.8/33


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: -0.041+/-0.086 χ²/NDF:19.3/15
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.026+/-0.084 χ²/NDF:22.2/14
+ sign 0.005+/-0.055 χ²/NDF: 30.3/31
All: 0.027+/-0.038 χ²/NDF: 71.7/65
- sign 0.047+/-0.053 χ²/NDF: 41.1/33



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 299.488+/-0.061 χ^2/NDF:589445.2/15

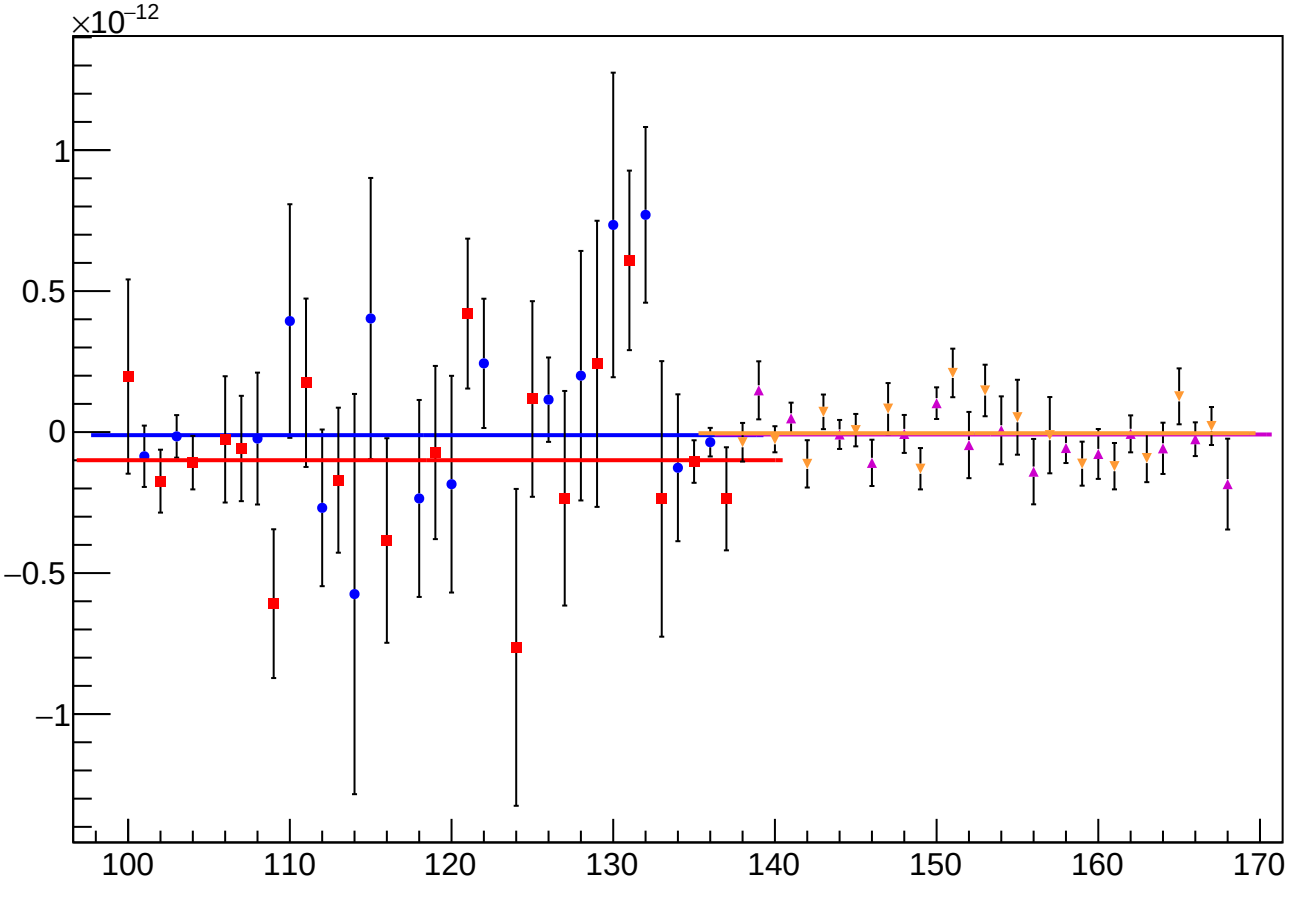
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 287.169+/-0.059 χ^2/NDF:668547.4/14

+ sign 227.858+/-0.039 χ^2/NDF: 3817879.2/31

All: 221.292+/-0.027 χ^2/NDF: 8386017.9/65

- sign 215.190+/-0.037 χ^2/NDF: 4512339.8/33



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/15

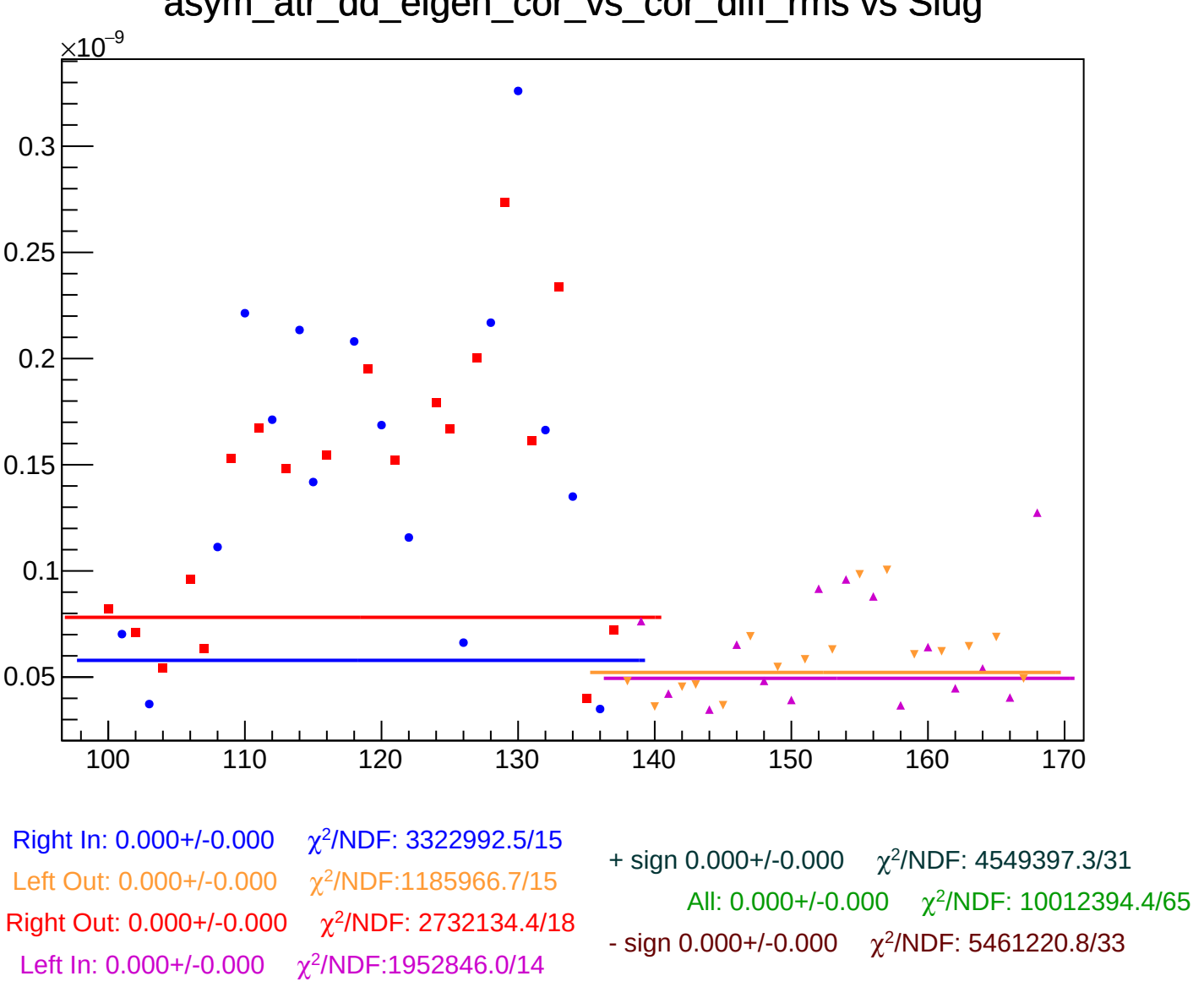
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/14

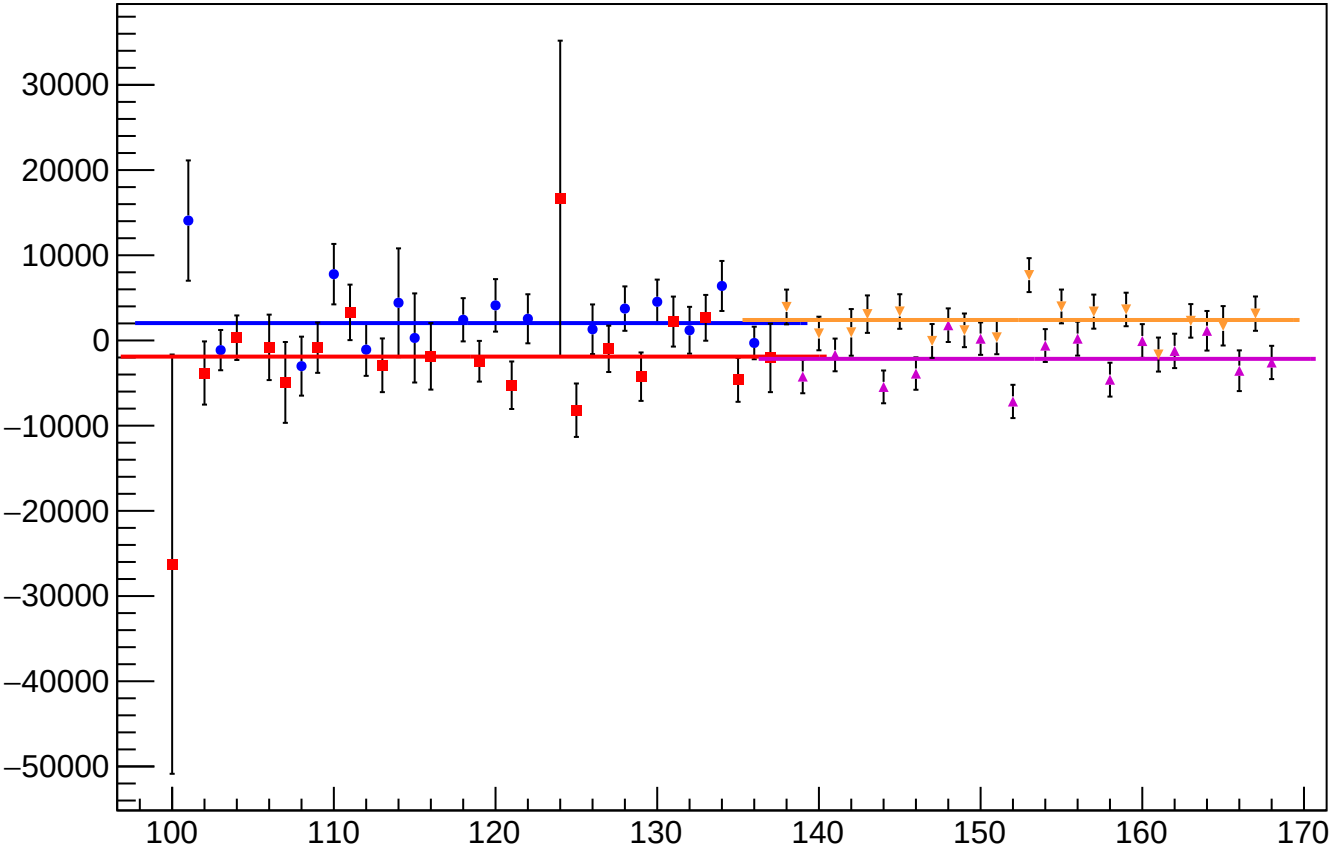
+ sign -0.000+/-0.000 χ^2/NDF: 38.6/31

All: -0.000+/-0.000 χ^2/NDF: 74.7/65

- sign -0.000+/-0.000 χ^2/NDF: 35.5/33


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3322992.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1185966.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 2732134.4/18
Left In: 0.000+/-0.000 χ²/NDF:1952846.0/14
+ sign 0.000+/-0.000 χ²/NDF: 4549397.3/31
All: 0.000+/-0.000 χ²/NDF: 10012394.4/65
- sign 0.000+/-0.000 χ²/NDF: 5461220.8/33

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2402.841+/-512.775 χ^2/NDF:17.4/15

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

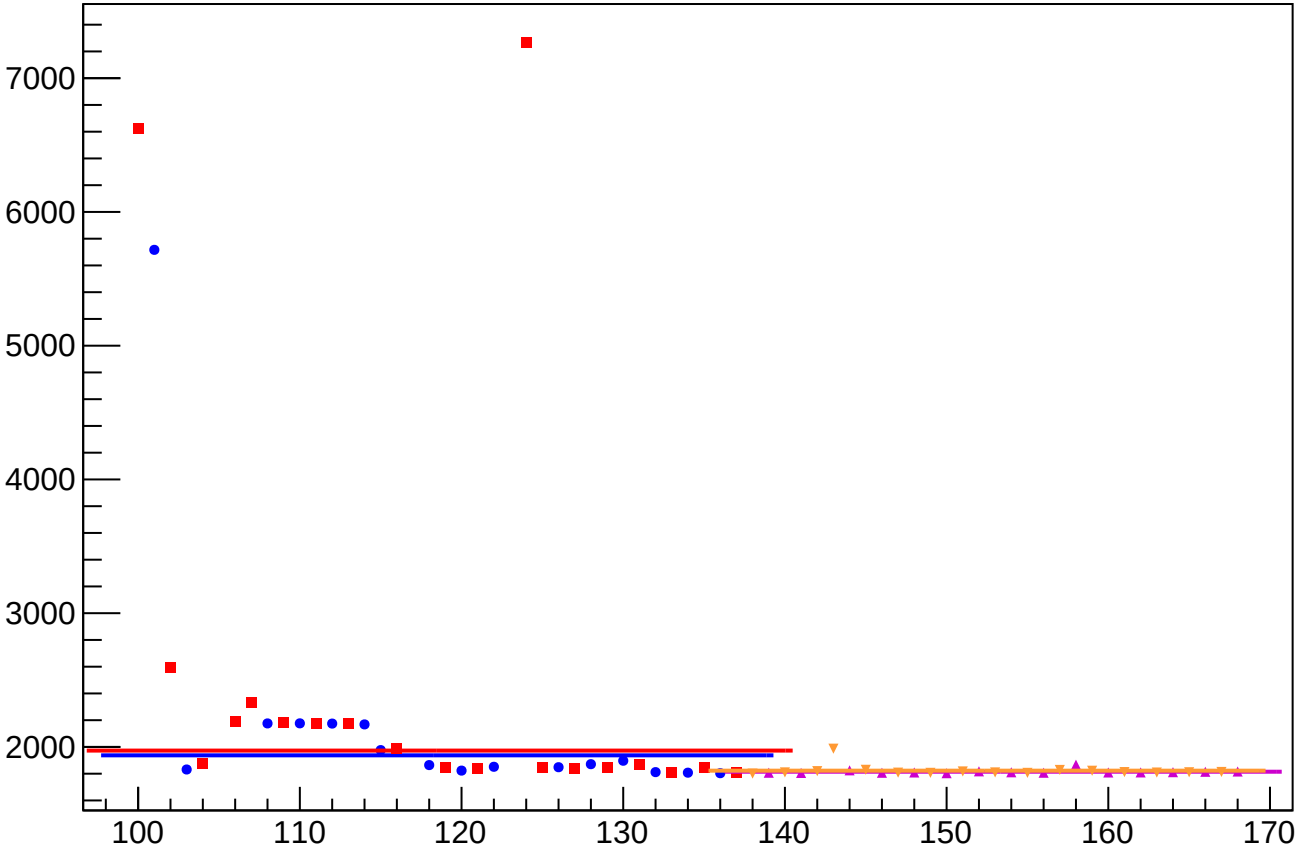
Left In: -2159.522+/-515.096 χ^2/NDF:24.4/14

+ sign 2284.060+/-420.771 χ^2/NDF: 34.0/31

All: 112.803+/-298.018 χ^2/NDF: 130.4/65

- sign -2072.755+/-422.155 χ^2/NDF: 42.9/33

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1822.572+/-0.363 χ^2/NDF:12267.0/15

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

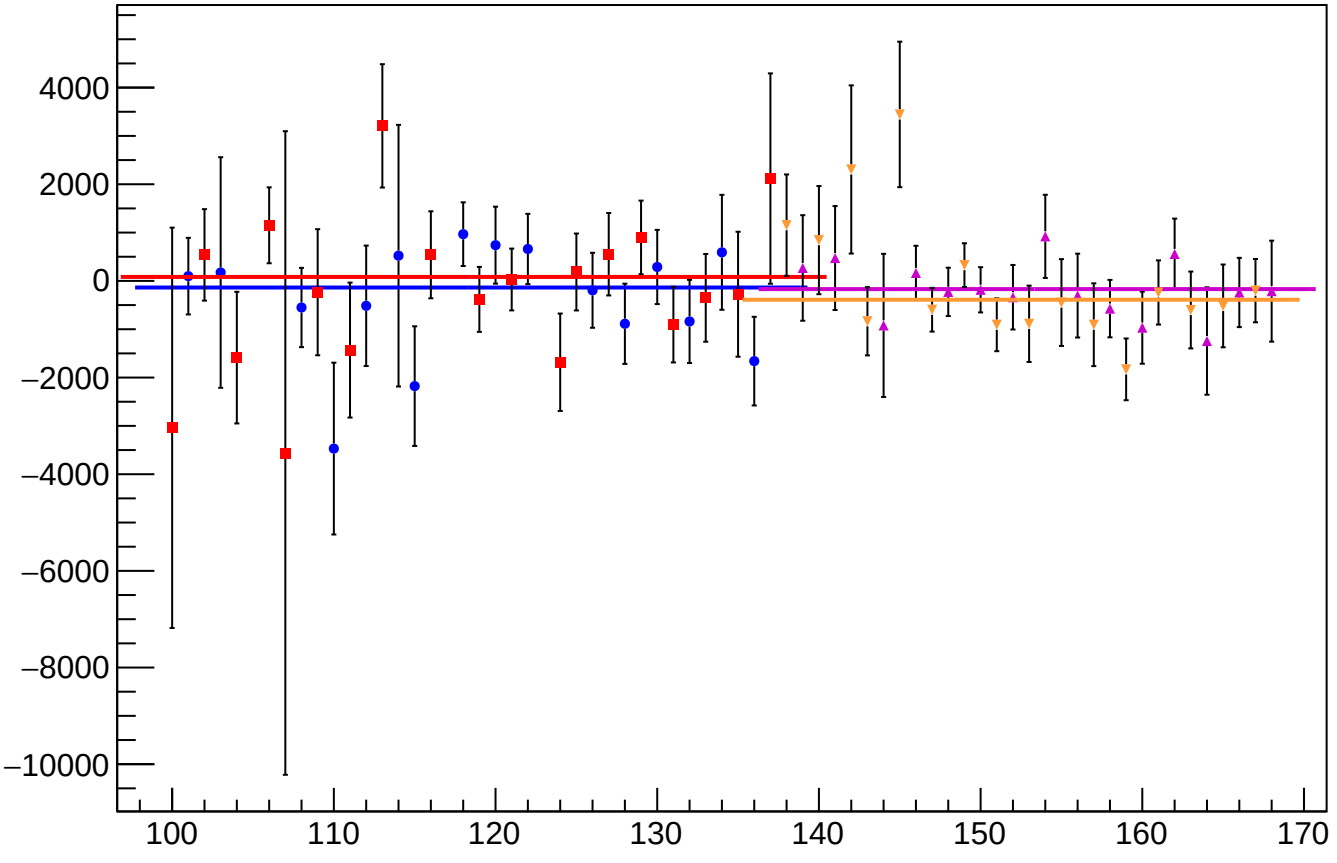
Left In: 1814.730+/-0.364 χ^2/NDF:1721.6/14

\+ sign 1860.032+/-0.298 χ^2/NDF: 683035.7/31

All: 1863.312+/-0.211 χ^2/NDF: 1124343.4/65

\- sign 1866.613+/-0.299 χ^2/NDF: 441064.0/33

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -389.645+/-177.347 χ^2/NDF:22.4/15

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

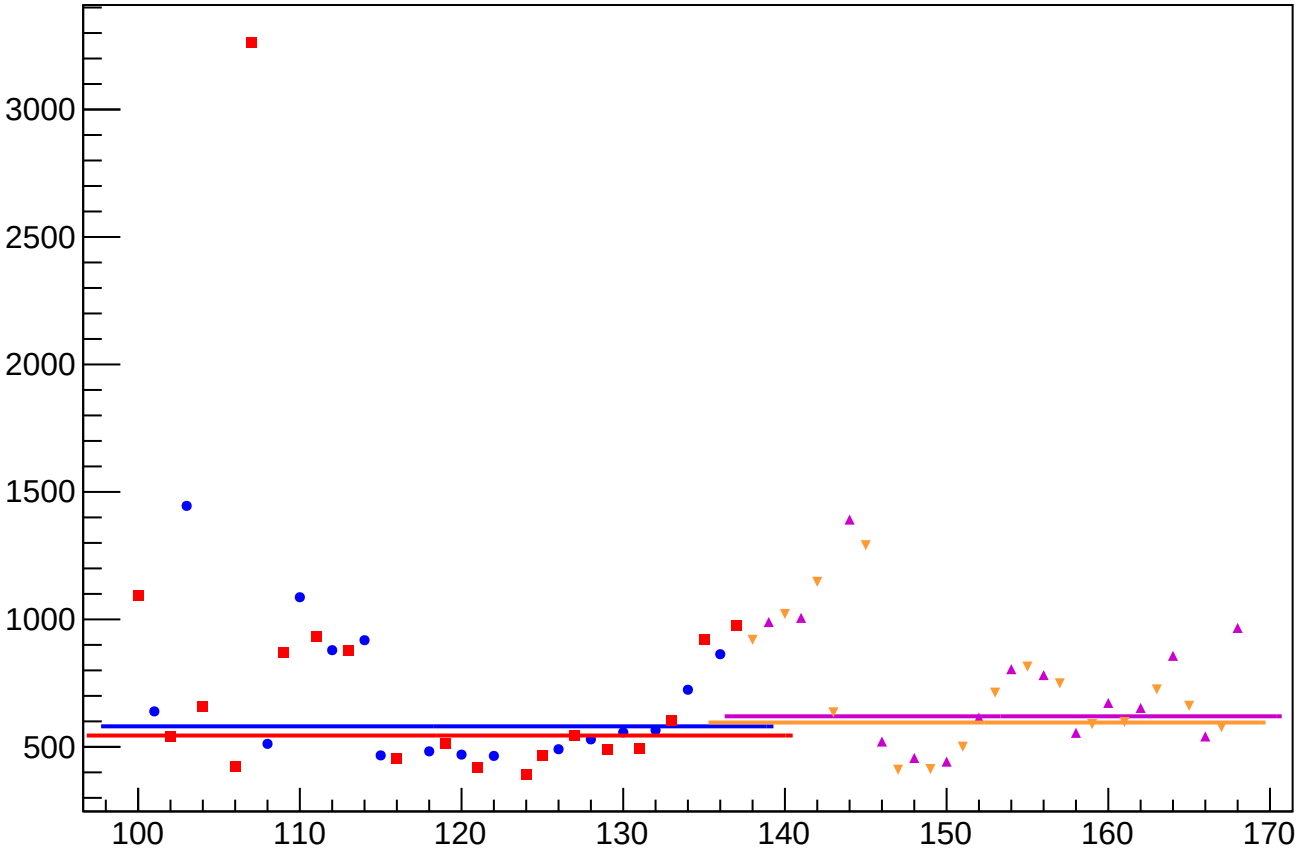
Left In: -169.487+/-185.772 χ^2/NDF:6.4/14

\+ sign -295.531+/-140.542 χ^2/NDF: 40.0/31

All: -182.234+/-100.055 χ^2/NDF: 68.2/65

\- sign -65.800+/-142.475 χ^2/NDF: 26.9/33

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 595.554+/-0.125 χ^2/NDF:2129936.5/15

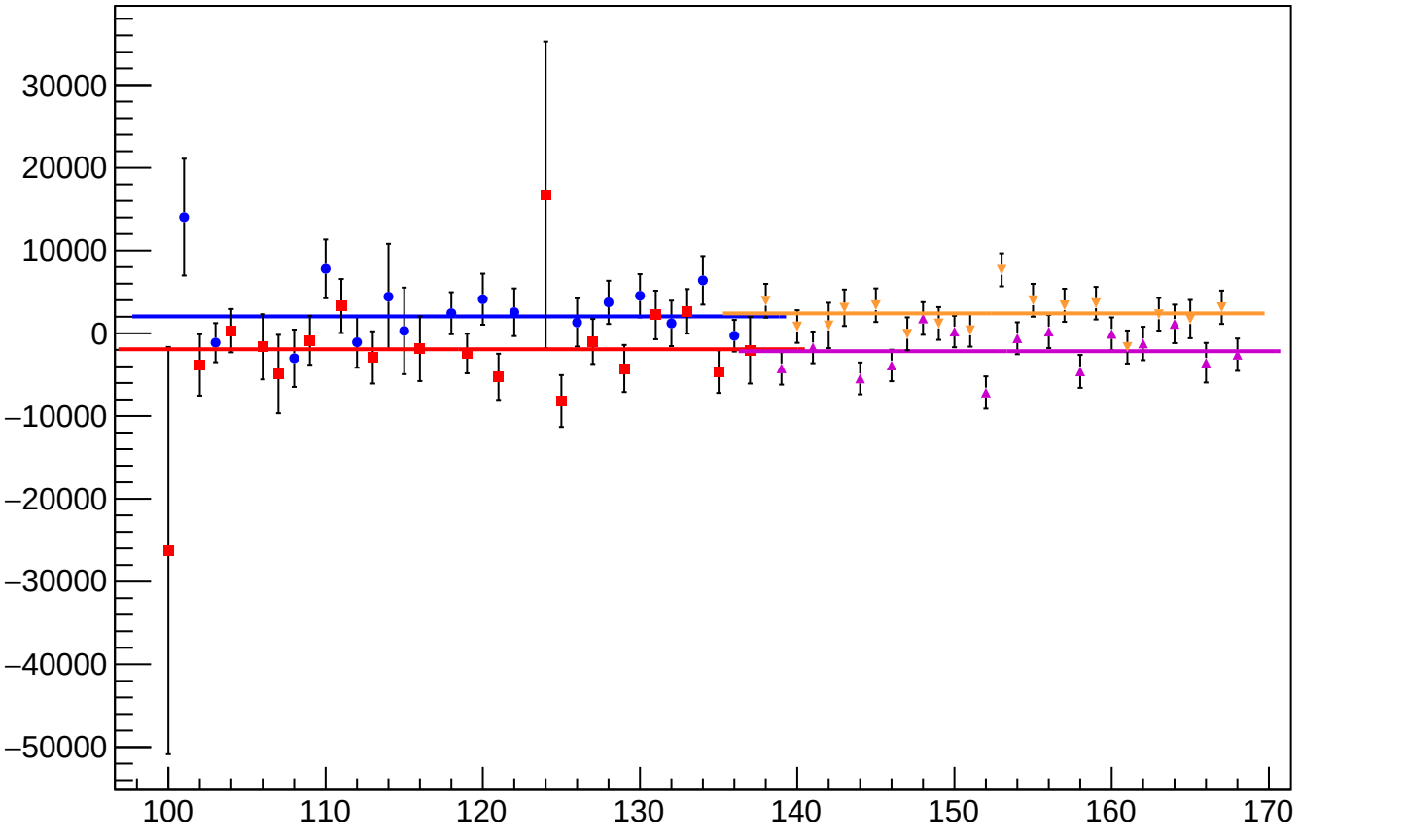
Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 619.921+/-0.131 χ^2/NDF:2128873.8/14

+ sign 589.996+/-0.099 χ^2/NDF: 3138629.7/31

All: 589.443+/-0.071 χ^2/NDF: 6690854.5/65

- sign 588.874+/-0.101 χ^2/NDF: 3552162.1/33



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2402.837+/-512.775 χ^2/NDF:17.4/15

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

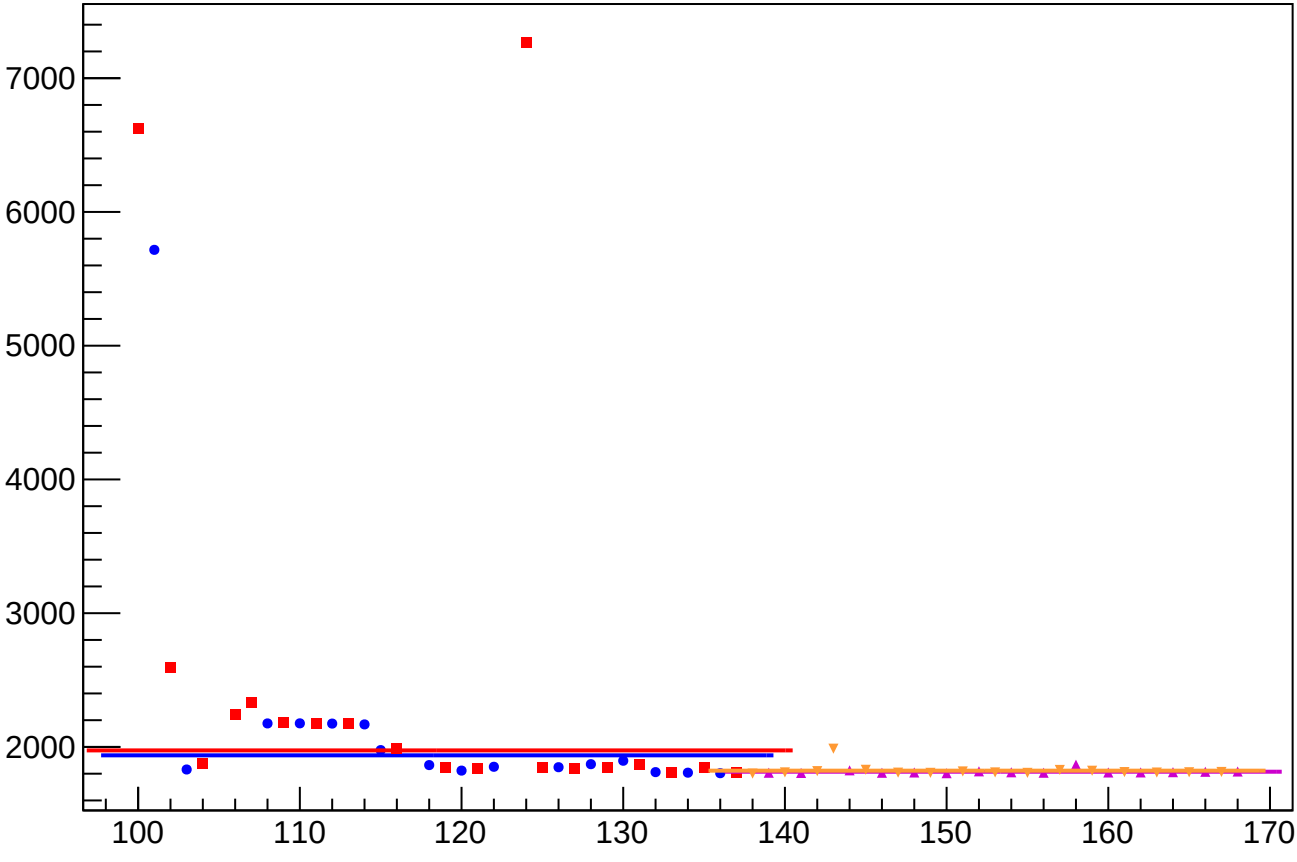
Left In: -2159.589+/-515.096 χ^2/NDF:24.4/14

+ sign 2283.936+/-420.771 χ^2/NDF: 34.0/31

All: 108.228+/-298.061 χ^2/NDF: 130.6/65

- sign -2083.076+/-422.277 χ^2/NDF: 42.9/33

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1822.572+/-0.363 χ^2/NDF:12267.0/15

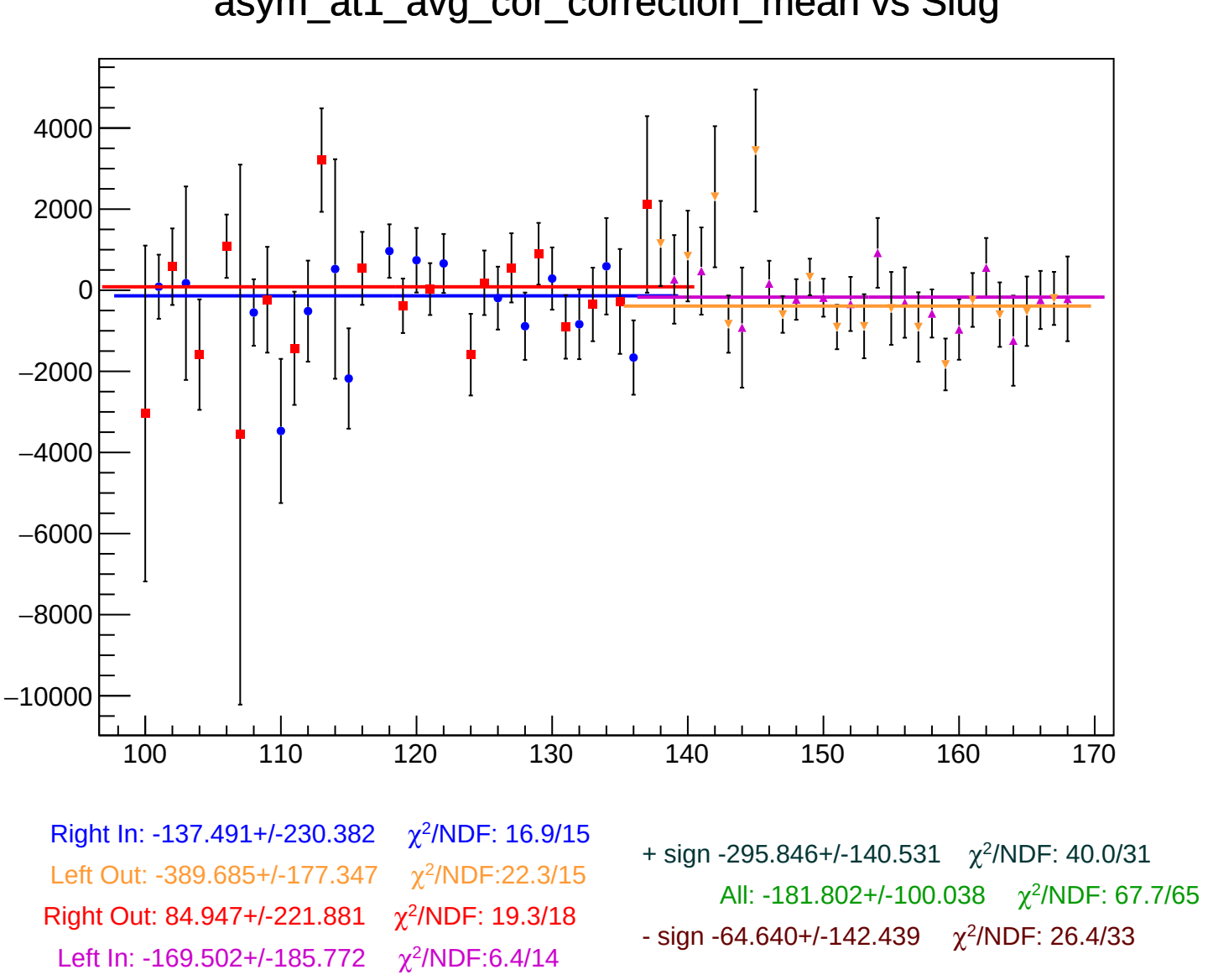
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.730+/-0.364 χ^2/NDF:1721.6/14

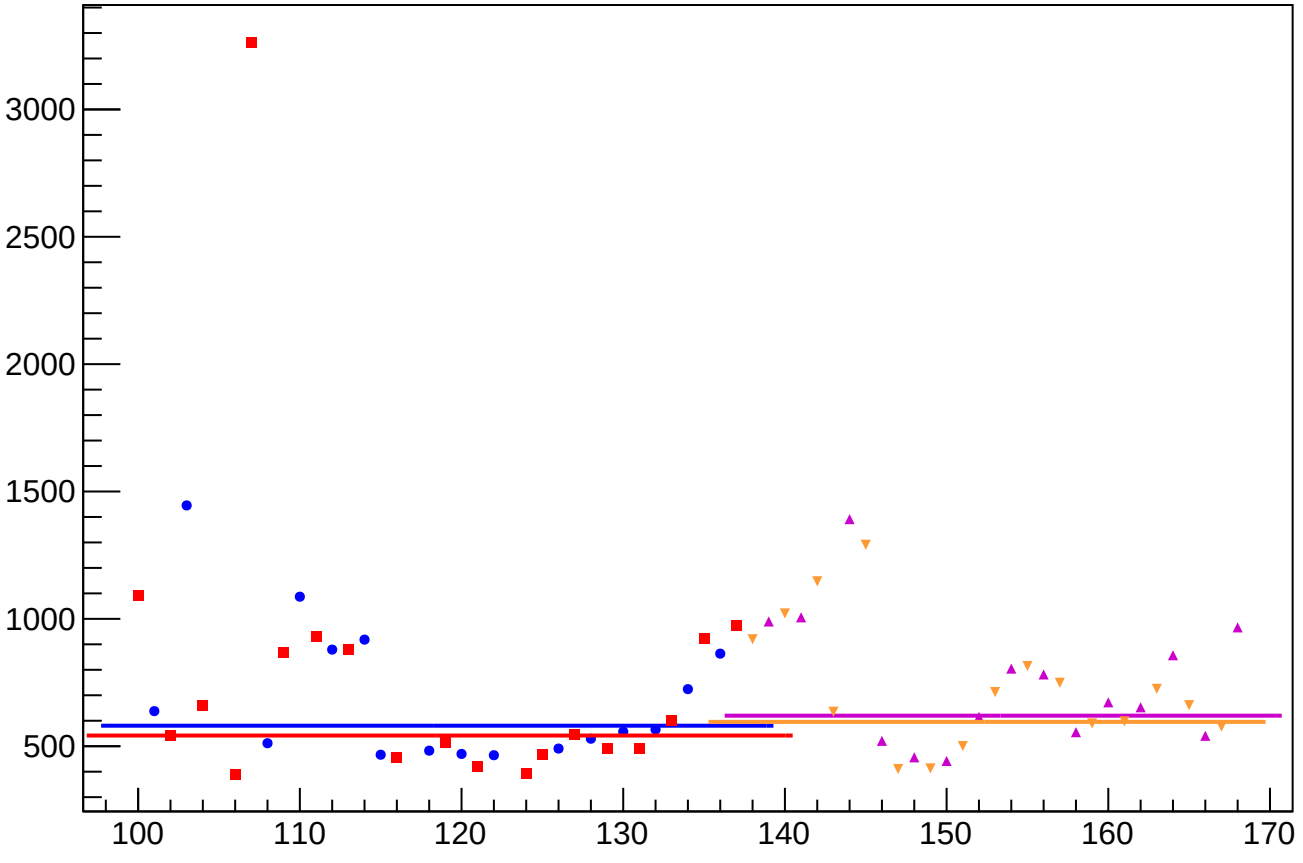
+ sign 1860.032+/-0.298 χ^2/NDF: 683035.6/31

All: 1863.508+/-0.211 χ^2/NDF: 1128288.4/65

- sign 1867.009+/-0.299 χ^2/NDF: 444978.9/33


asym_at1_avg_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
Right In: -137.491+/-230.382 χ²/NDF: 16.9/15
Left Out: -389.685+/-177.347 χ²/NDF:22.3/15
Right Out: 84.947+/-221.881 χ²/NDF: 19.3/18
Left In: -169.502+/-185.772 χ²/NDF:6.4/14
+ sign -295.846+/-140.531 χ²/NDF: 40.0/31
All: -181.802+/-100.038 χ²/NDF: 67.7/65
- sign -64.640+/-142.439 χ²/NDF: 26.4/33

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 595.552+/-0.125 χ^2/NDF:2130056.2/15

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

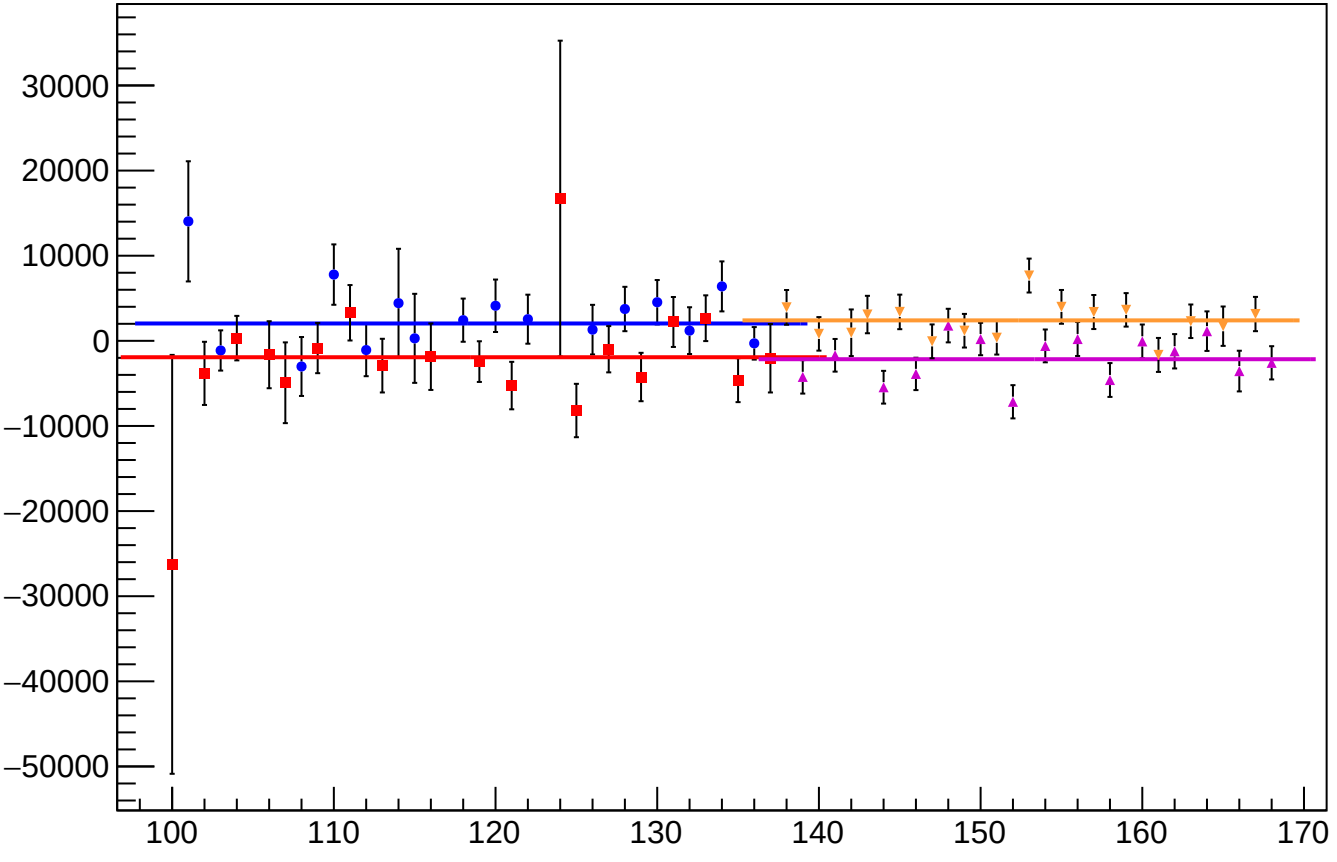
Left In: 619.924+/-0.131 χ^2/NDF:2128936.0/14

+ sign 589.958+/-0.099 χ^2/NDF: 3138303.8/31

All: 588.886+/-0.071 χ^2/NDF: 6731572.2/65

- sign 587.785+/-0.101 χ^2/NDF: 3593032.5/33

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2402.837+/-512.775 χ^2/NDF:17.4/15

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

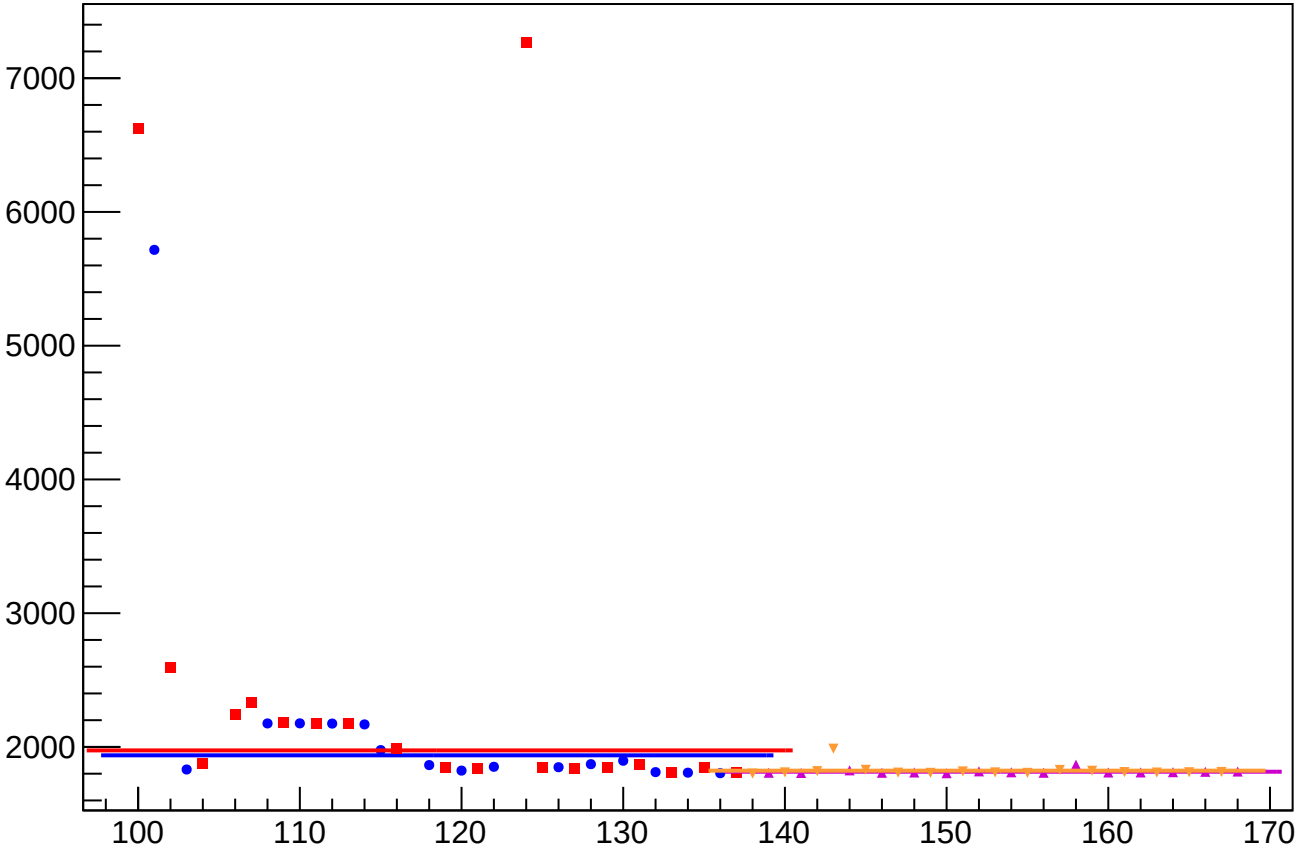
Left In: -2159.589+/-515.096 χ^2/NDF:24.4/14

+ sign 2283.936+/-420.771 χ^2/NDF: 34.0/31

All: 108.228+/-298.061 χ^2/NDF: 130.6/65

- sign -2083.076+/-422.277 χ^2/NDF: 42.9/33

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1822.572+/-0.363 χ^2/NDF:12267.0/15

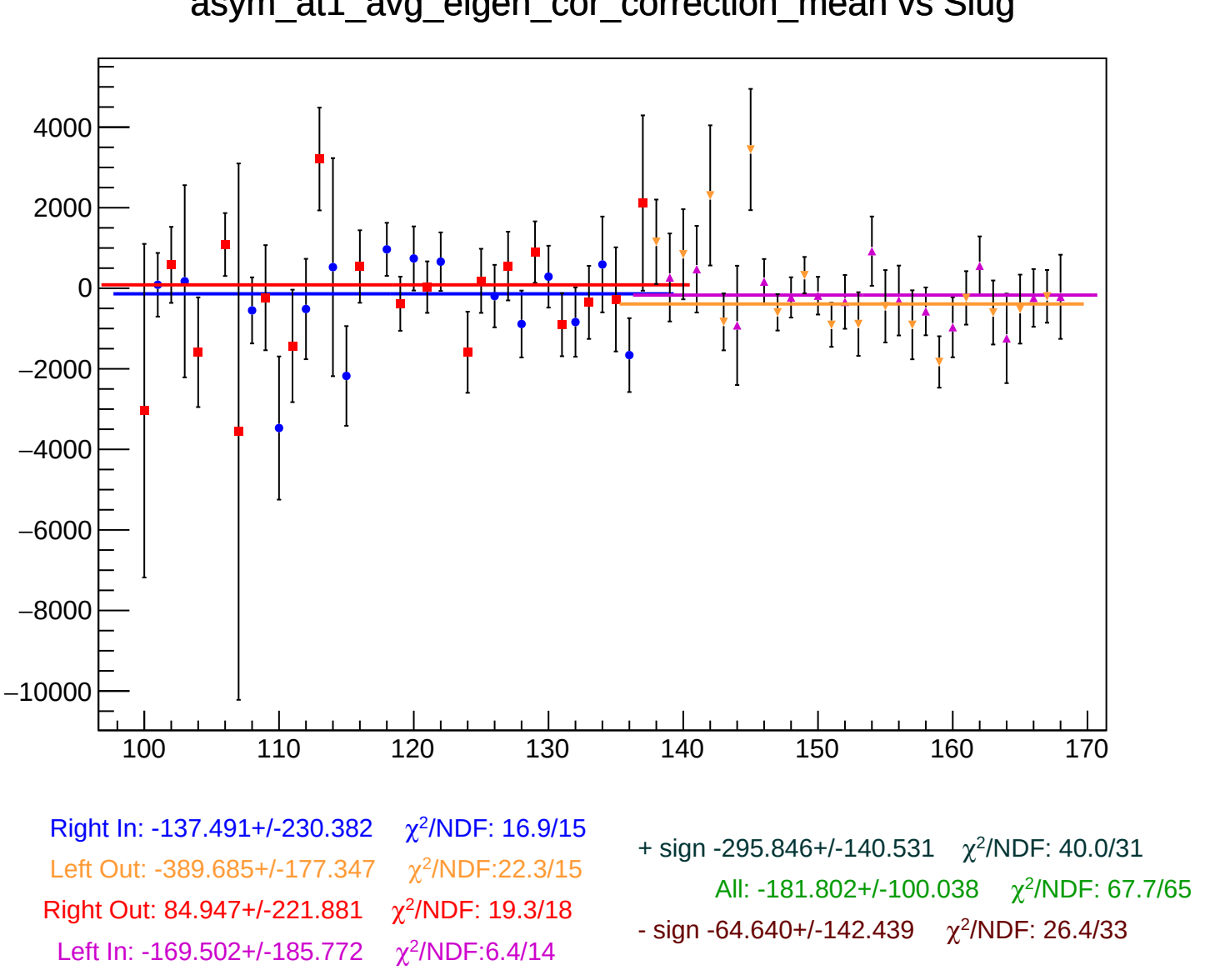
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.730+/-0.364 χ^2/NDF:1721.6/14

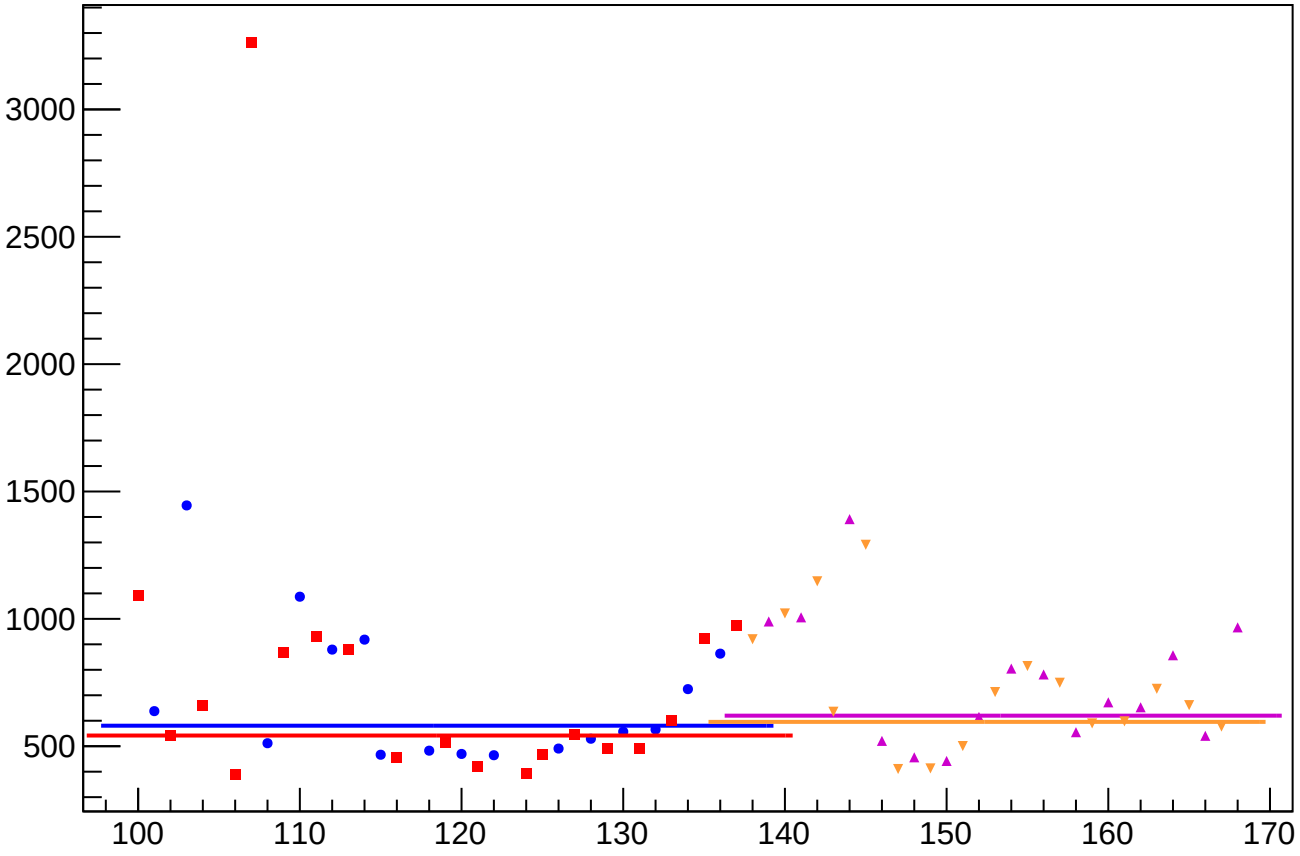
+ sign 1860.032+/-0.298 χ^2/NDF: 683035.6/31

All: 1863.508+/-0.211 χ^2/NDF: 1128288.4/65

- sign 1867.009+/-0.299 χ^2/NDF: 444978.9/33


asym_at1_avg_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
Right In: -137.491+/-230.382 χ²/NDF: 16.9/15
Left Out: -389.685+/-177.347 χ²/NDF:22.3/15
Right Out: 84.947+/-221.881 χ²/NDF: 19.3/18
Left In: -169.502+/-185.772 χ²/NDF:6.4/14
+ sign -295.846+/-140.531 χ²/NDF: 40.0/31
All: -181.802+/-100.038 χ²/NDF: 67.7/65
- sign -64.640+/-142.439 χ²/NDF: 26.4/33

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 595.552+/-0.125 χ^2/NDF:2130056.2/15

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

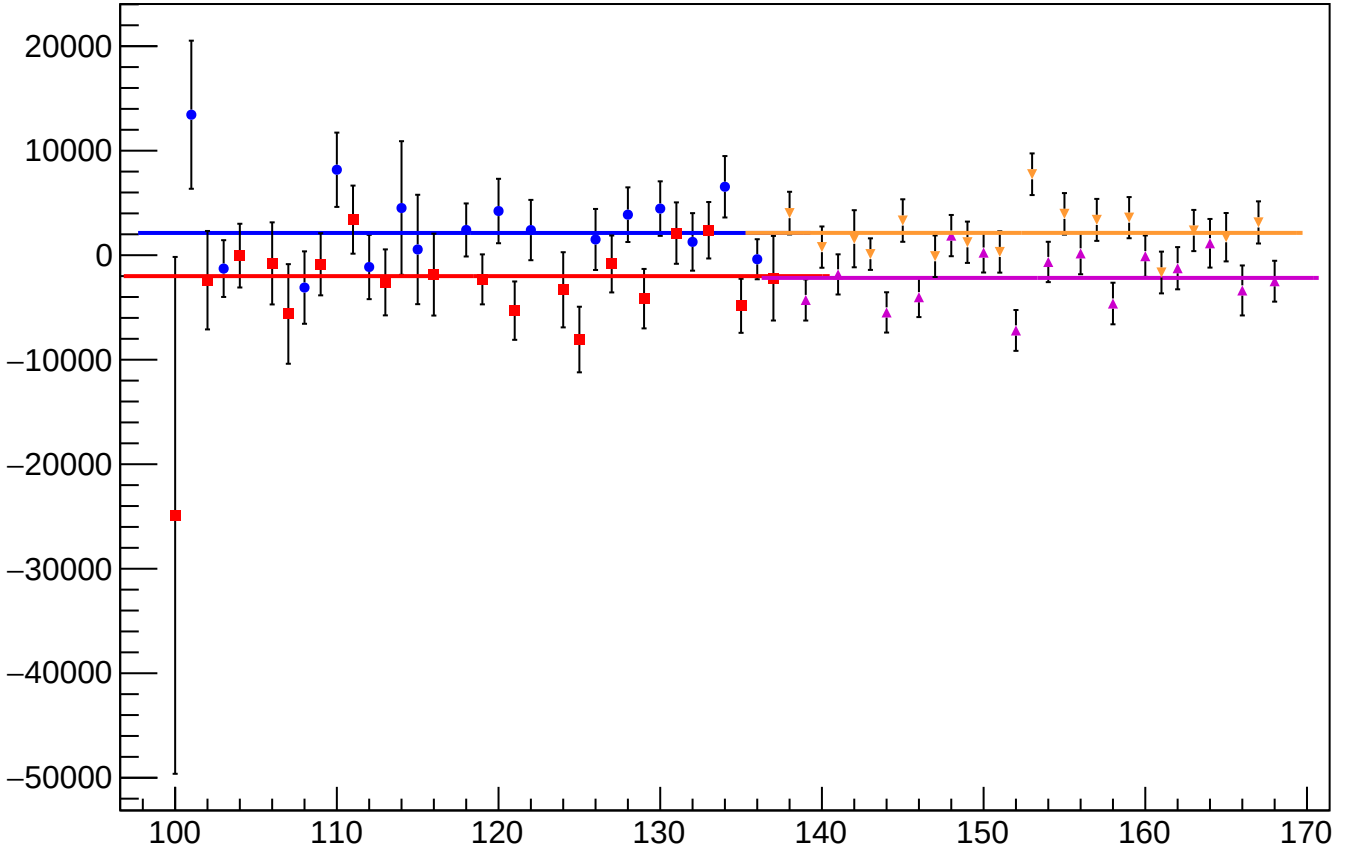
Left In: 619.924+/-0.131 χ^2/NDF:2128936.0/14

+ sign 589.958+/-0.099 χ^2/NDF: 3138303.8/31

All: 588.886+/-0.071 χ^2/NDF: 6731572.2/65

- sign 587.785+/-0.101 χ^2/NDF: 3593032.5/33

dit_asym_at1_avg_mean vs Slug



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2134.709+/-498.334 χ^2/NDF:19.4/15

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

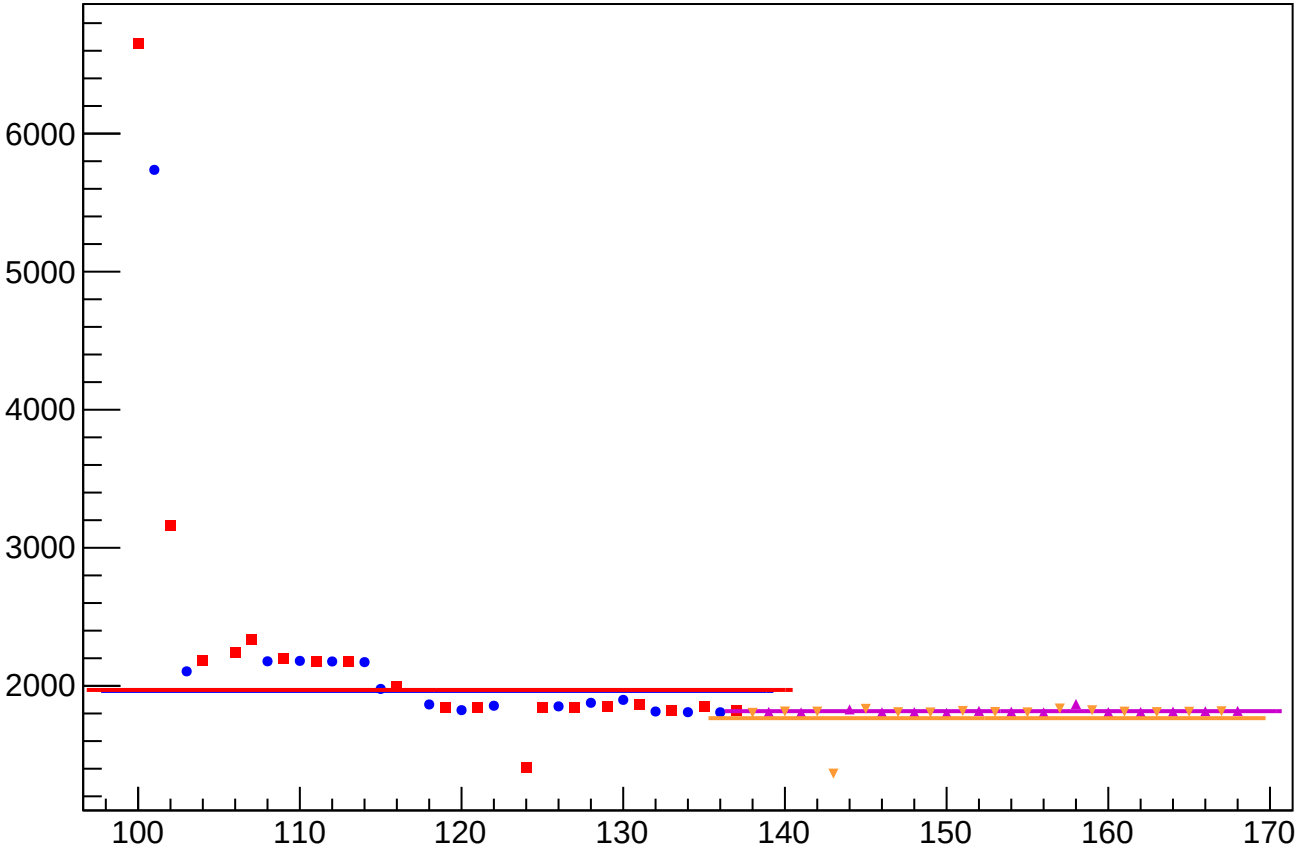
Left In: -2173.569+/-515.685 χ^2/NDF:24.6/14

+ sign 2132.871+/-414.424 χ^2/NDF: 35.9/31

All: 49.113+/-295.877 χ^2/NDF: 128.9/65

- sign -2117.271+/-422.560 χ^2/NDF: 41.4/33

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1766.020+/-0.352 χ^2/NDF:159504.0/15

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

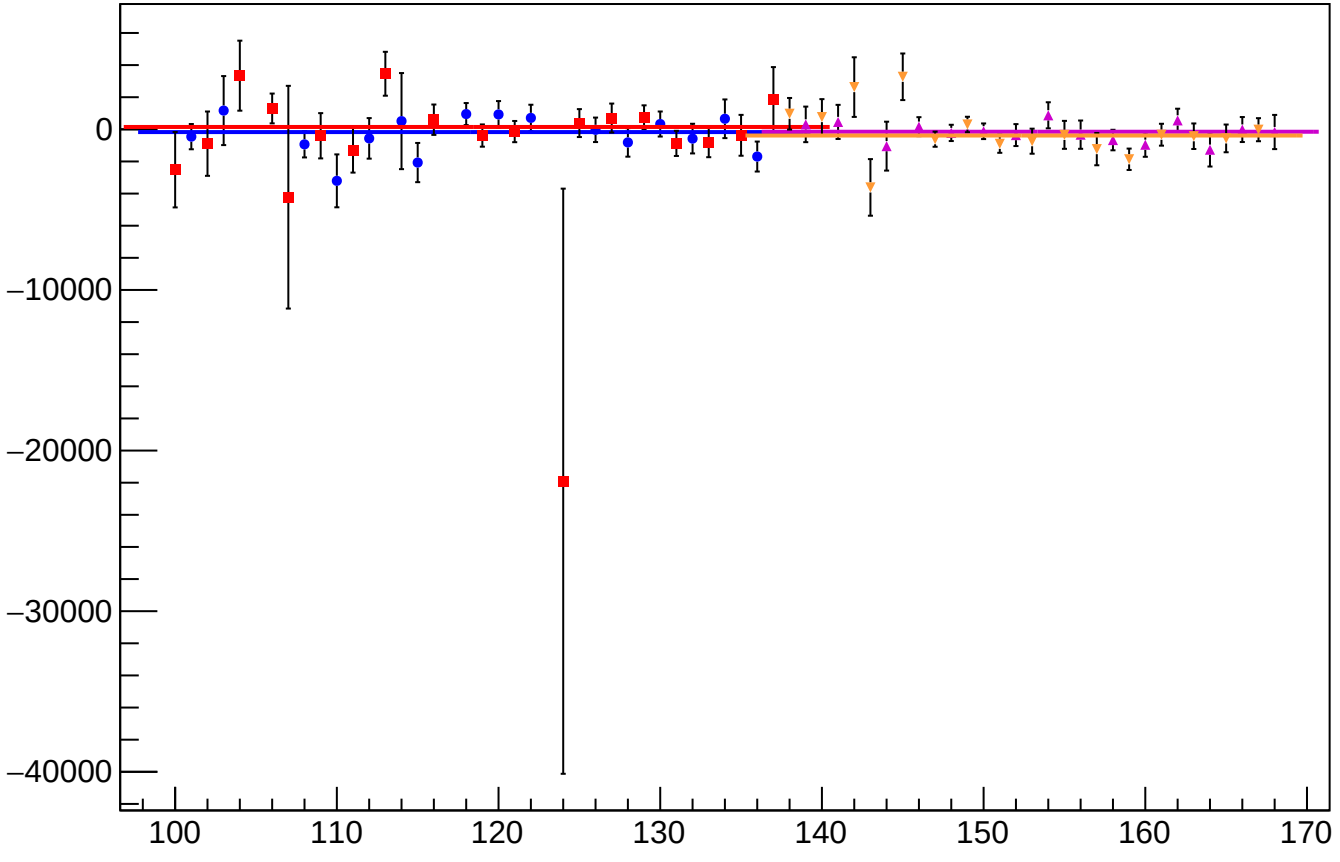
Left In: 1816.781+/-0.365 χ^2/NDF:1757.9/14

+ sign 1826.899+/-0.293 χ^2/NDF: 896538.8/31

All: 1846.694+/-0.209 χ^2/NDF: 1311094.4/65

- sign 1867.273+/-0.299 χ^2/NDF: 405248.9/33

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -385.779+/-188.461 χ^2/NDF:24.6/15

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

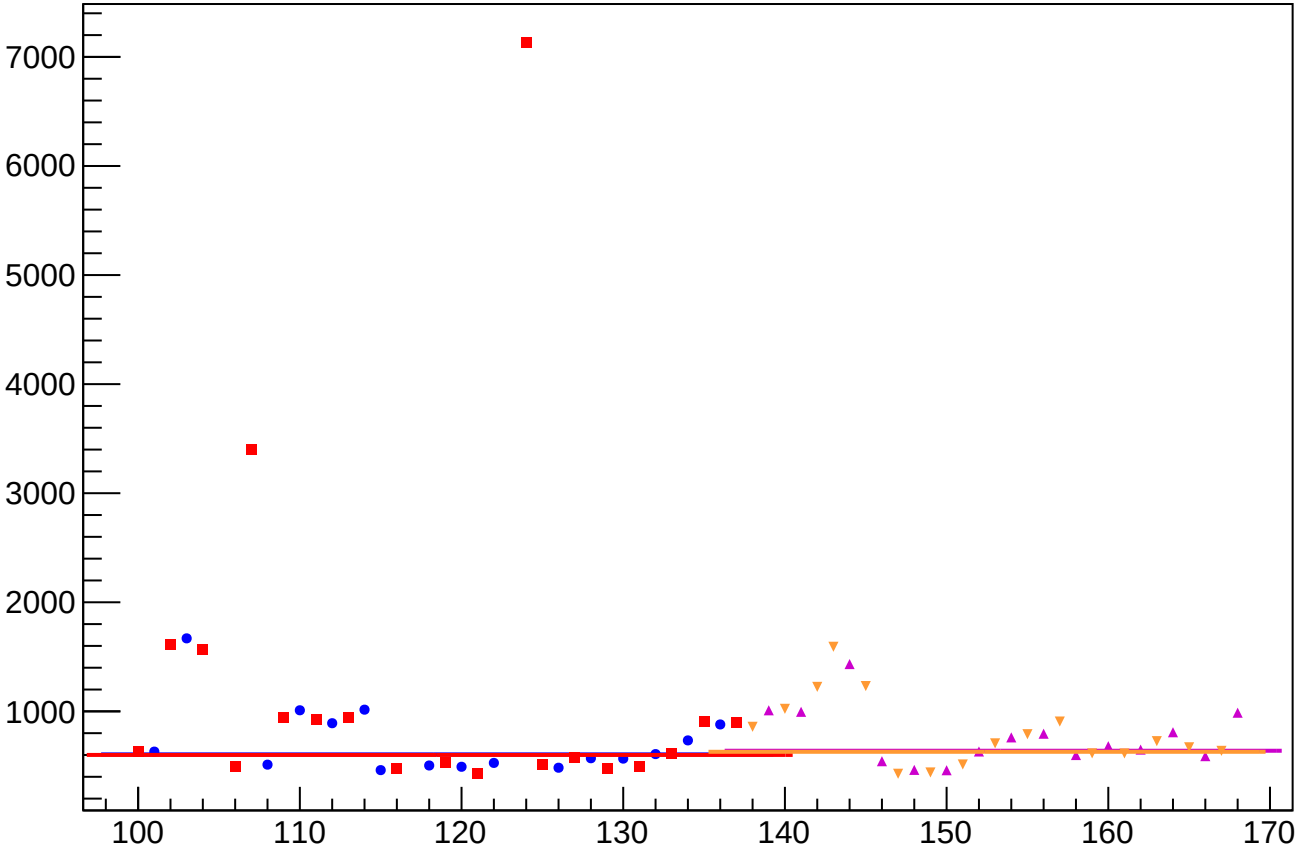
Left In: -150.079+/-190.204 χ^2/NDF:6.8/14

+ sign -302.452+/-147.487 χ^2/NDF: 42.3/31

All: -171.711+/-105.077 χ^2/NDF: 71.8/65

- sign -36.942+/-149.742 χ^2/NDF: 27.8/33

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 629.286+/-0.133 χ^2/NDF:2542808.2/15

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

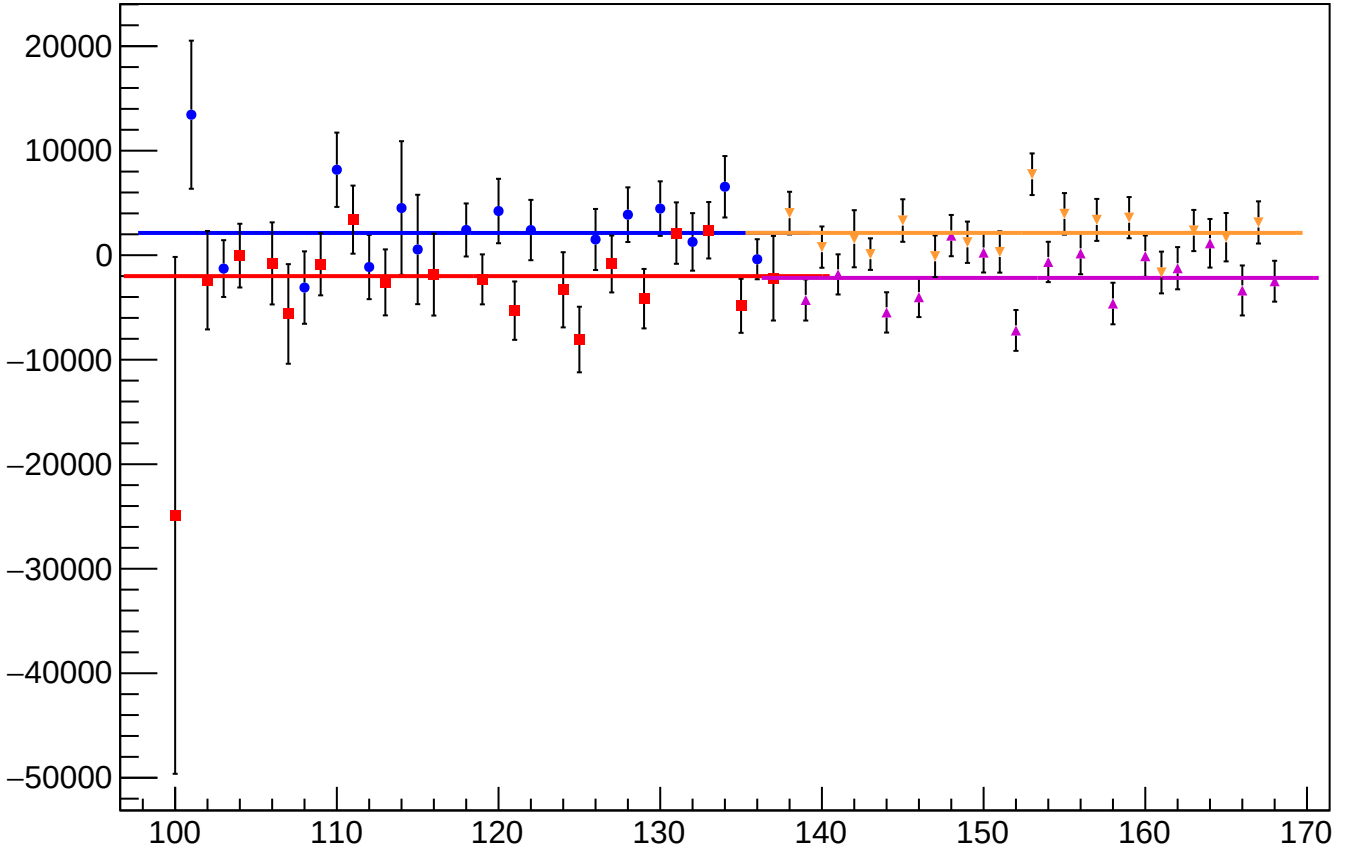
Left In: 638.830+/-0.134 χ^2/NDF:1955748.3/14

+ sign 620.040+/-0.104 χ^2/NDF: 3717682.8/31

All: 622.106+/-0.074 χ^2/NDF: 8033718.8/65

- sign 624.236+/-0.106 χ^2/NDF: 4315238.7/33

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2134.710+/-498.334 χ^2/NDF:19.4/15

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

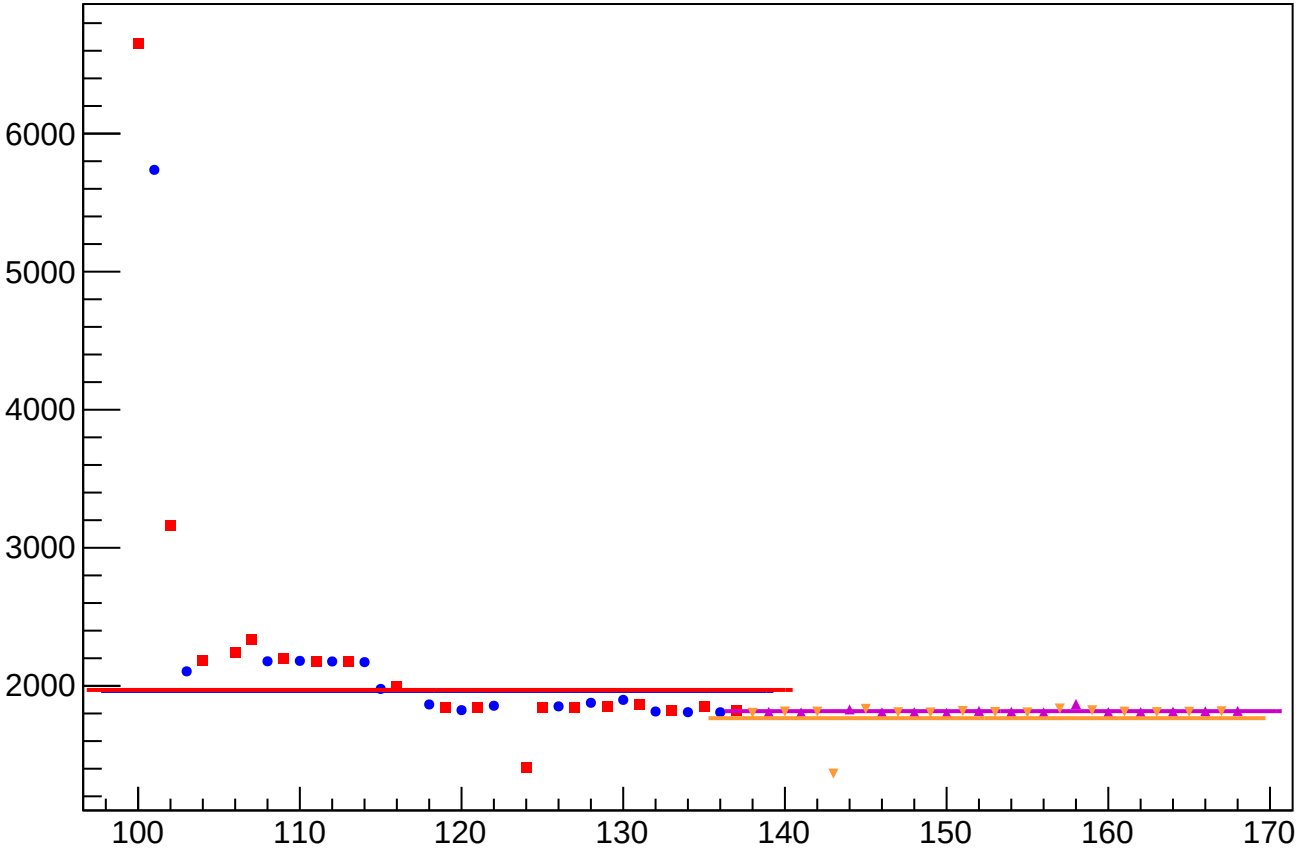
Left In: -2173.569+/-515.685 χ^2/NDF:24.6/14

+ sign 2132.870+/-414.424 χ^2/NDF: 35.9/31

All: 49.112+/-295.877 χ^2/NDF: 128.9/65

- sign -2117.270+/-422.560 χ^2/NDF: 41.4/33

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1766.020+/-0.352 χ^2/NDF:159503.9/15

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

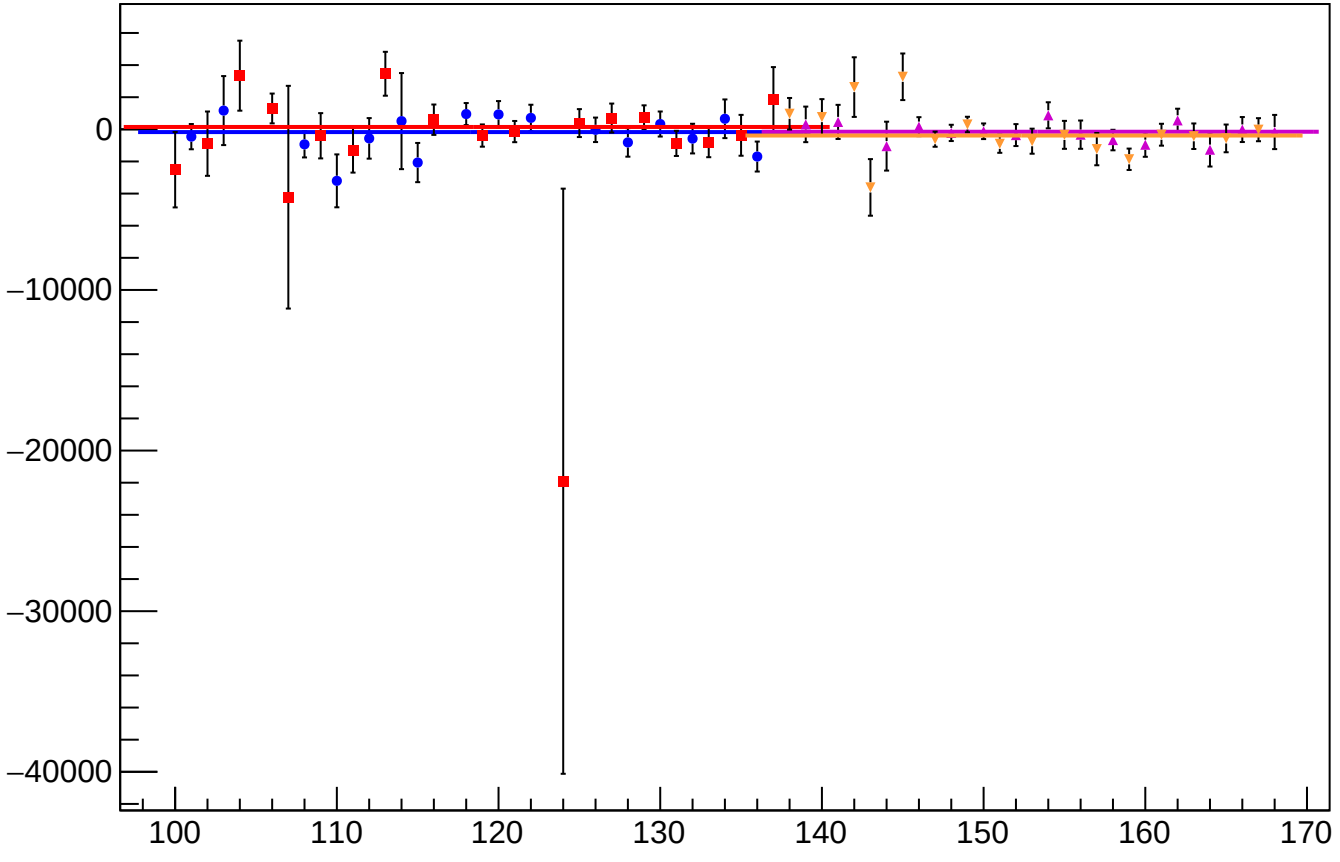
Left In: 1816.781+/-0.365 χ^2/NDF:1757.9/14

+ sign 1826.899+/-0.293 χ^2/NDF: 896538.3/31

All: 1846.694+/-0.209 χ^2/NDF: 1311092.4/65

- sign 1867.273+/-0.299 χ^2/NDF: 405247.4/33

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -385.780+/-188.461 χ^2/NDF:24.6/15

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

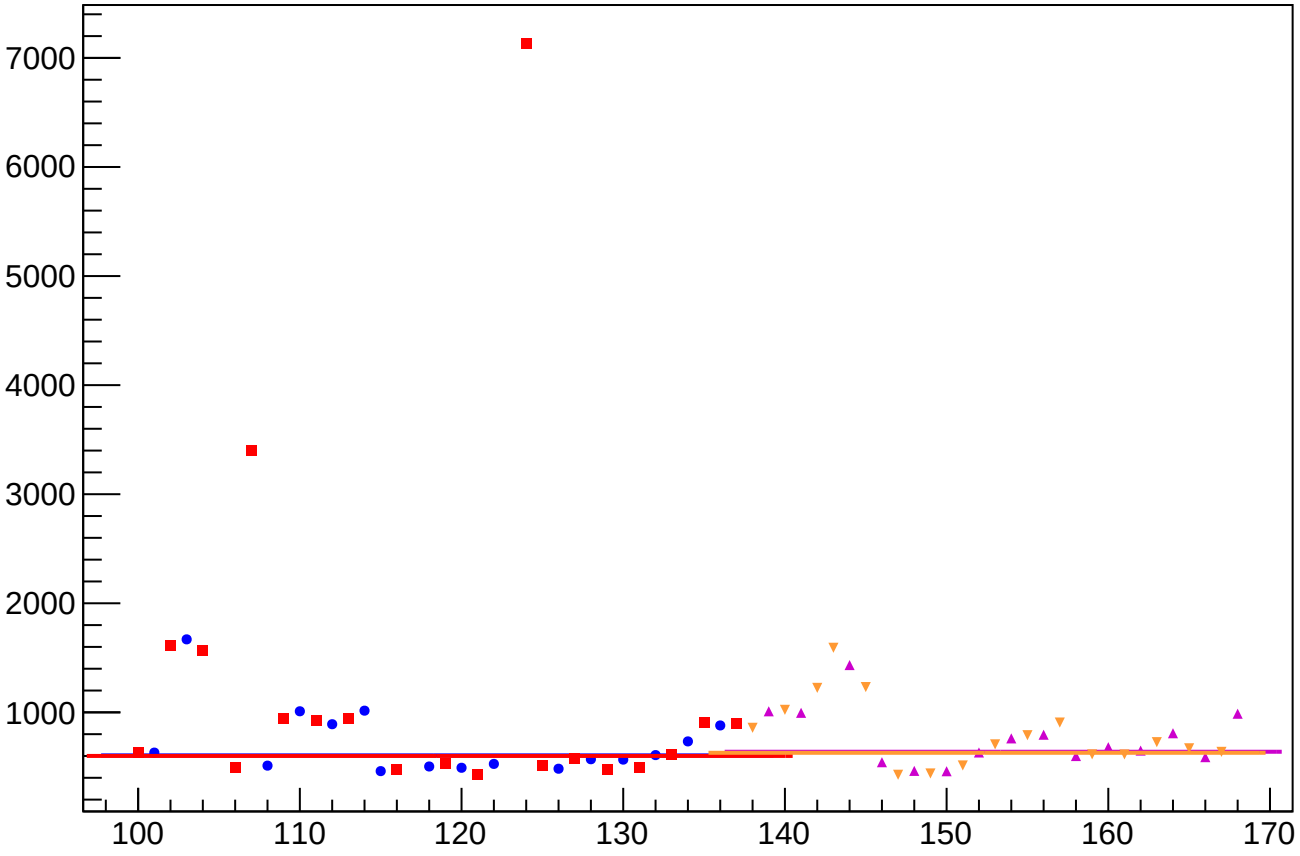
Left In: -150.079+/-190.204 χ^2/NDF:6.8/14

\+ sign -302.452+/-147.487 χ^2/NDF: 42.3/31

All: -171.711+/-105.077 χ^2/NDF: 71.8/65

\- sign -36.942+/-149.742 χ^2/NDF: 27.8/33

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 629.287+/-0.133 χ^2/NDF:2542800.3/15

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

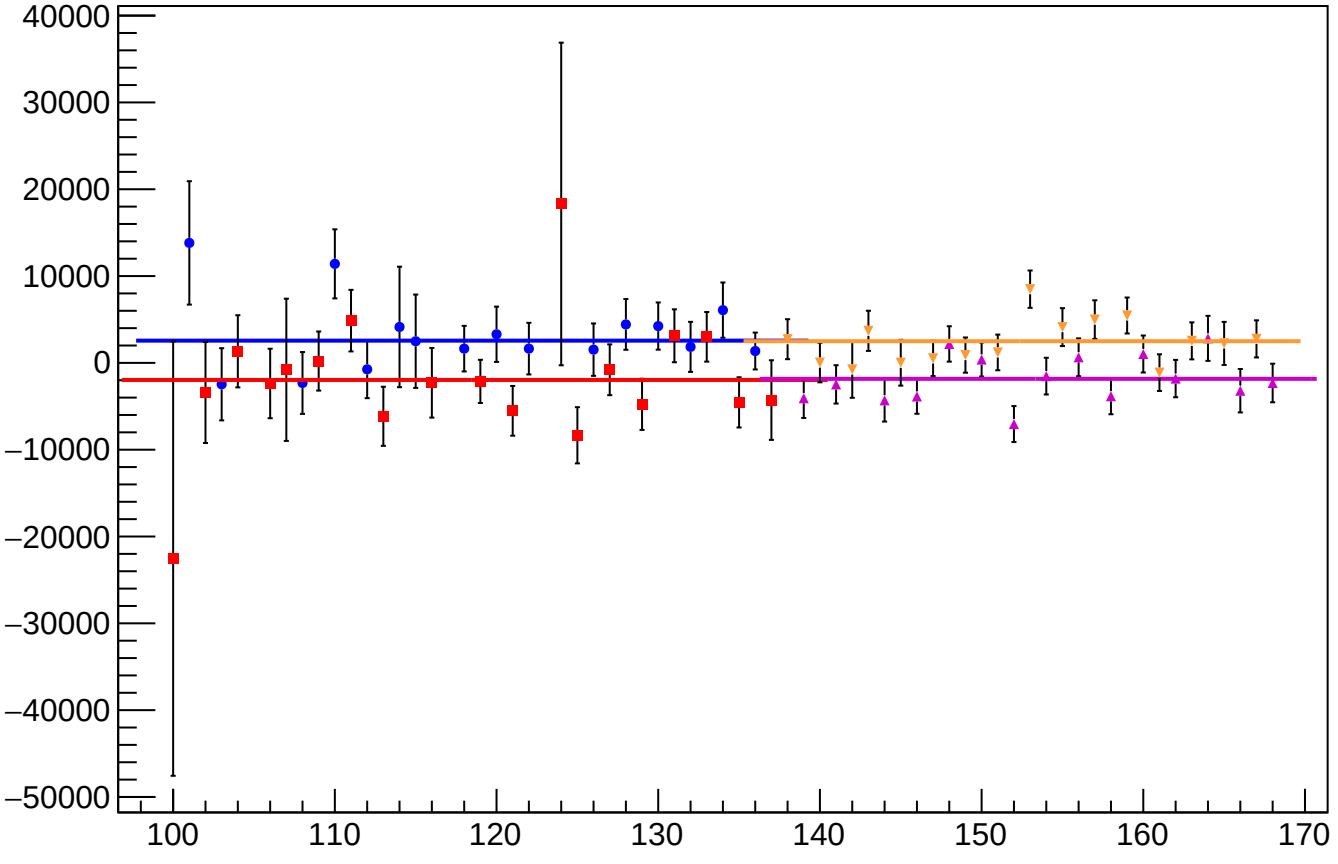
Left In: 638.831+/-0.134 χ^2/NDF:1955743.3/14

+ sign 620.041+/-0.104 χ^2/NDF: 3717685.1/31

All: 622.107+/-0.074 χ^2/NDF: 8033727.2/65

- sign 624.237+/-0.106 χ^2/NDF: 4315244.8/33

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2498.086+/-557.745 χ^2/NDF:19.9/15

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

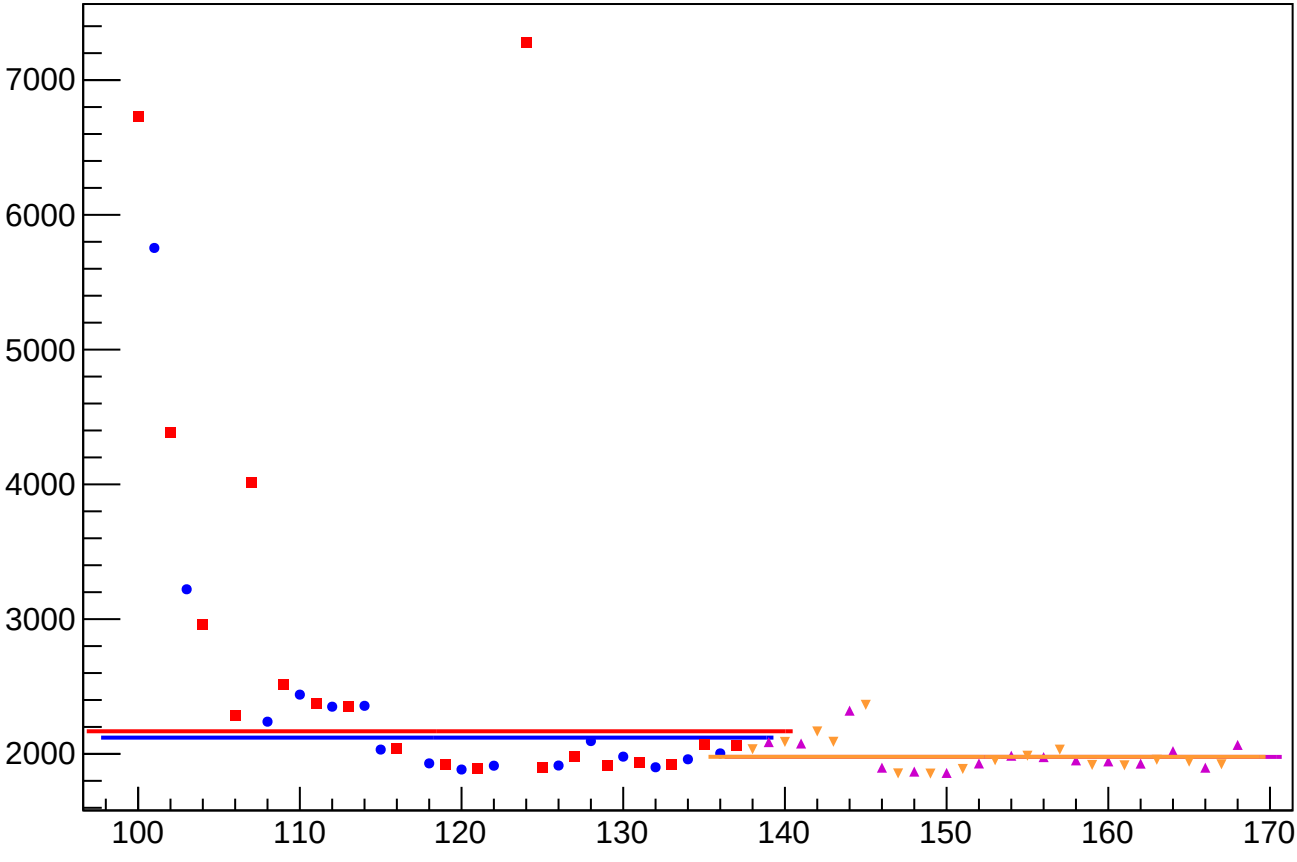
Left In: -1839.529+/-562.362 χ^2/NDF:22.2/14

+ sign 2518.323+/-459.312 χ^2/NDF: 34.5/31

All: 339.286+/-326.276 χ^2/NDF: 123.8/65

- sign -1880.297+/-463.566 χ^2/NDF: 43.8/33

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1978.361+/-0.394 χ^2/NDF:85596.7/15

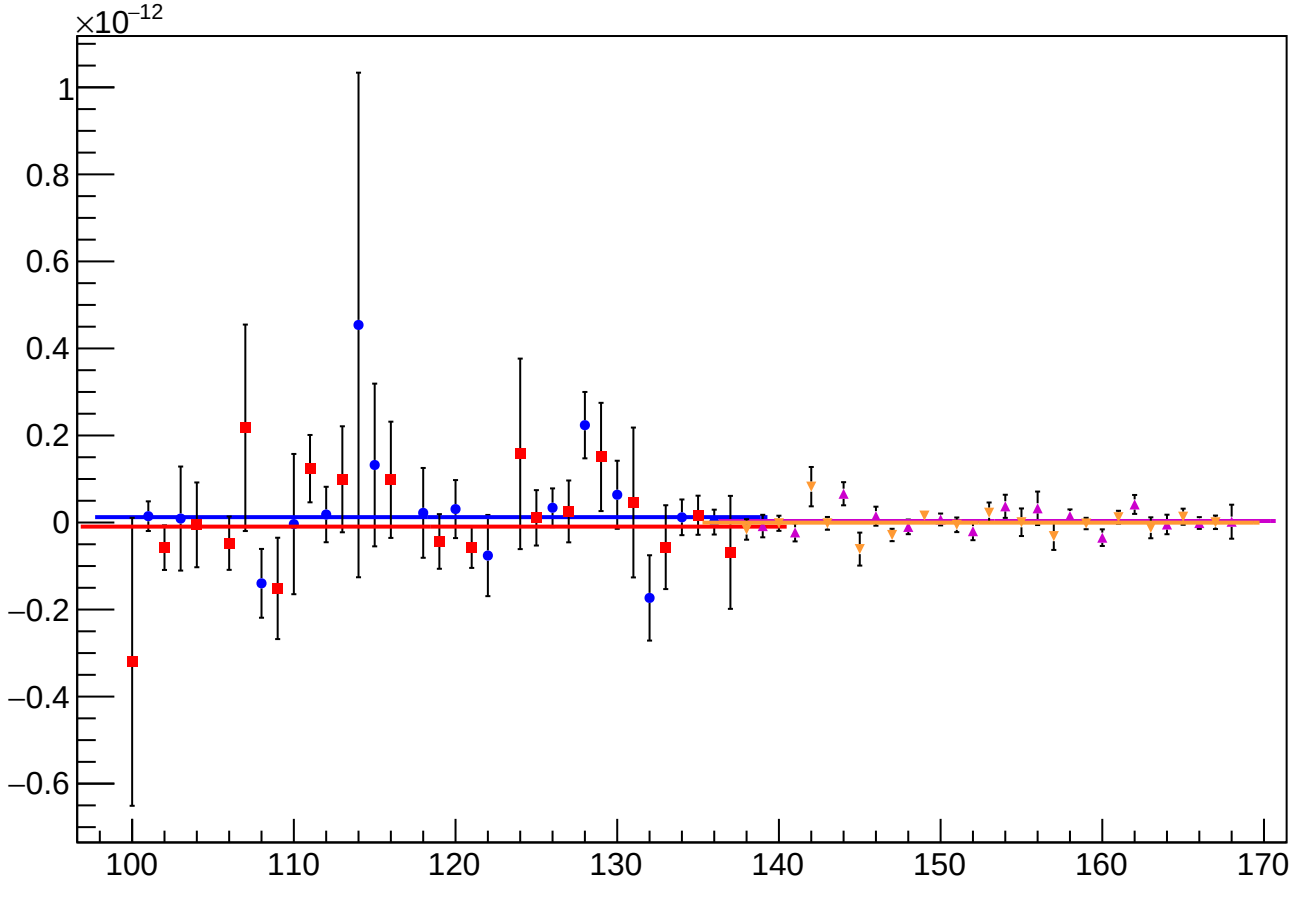
Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1977.638+/-0.398 χ^2/NDF:73006.5/14

+ sign 2024.193+/-0.325 χ^2/NDF: 887531.6/31

All: 2031.329+/-0.231 χ^2/NDF: 1858763.3/65

- sign 2038.598+/-0.328 χ^2/NDF: 970257.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/15

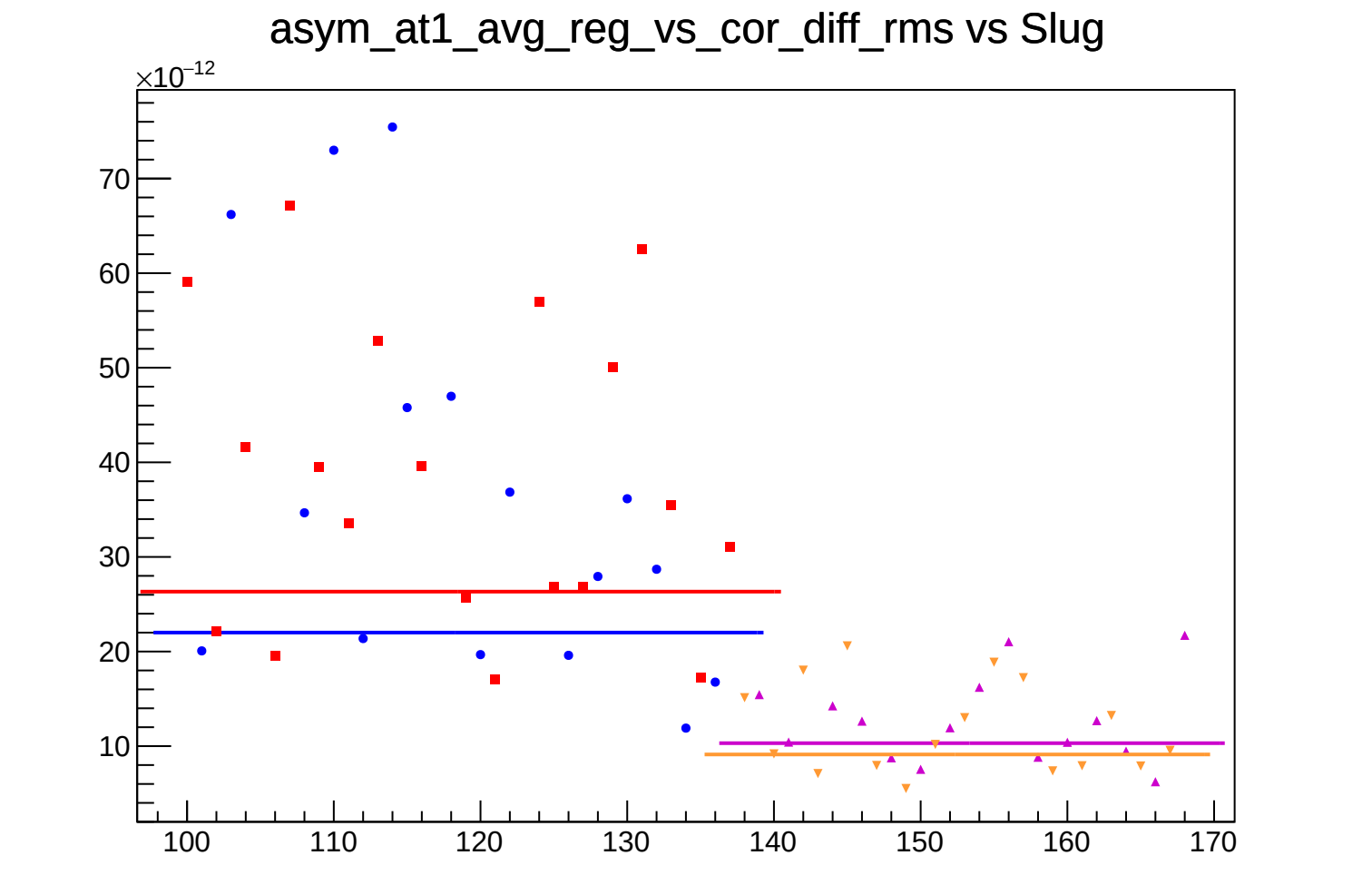
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:19.6/14

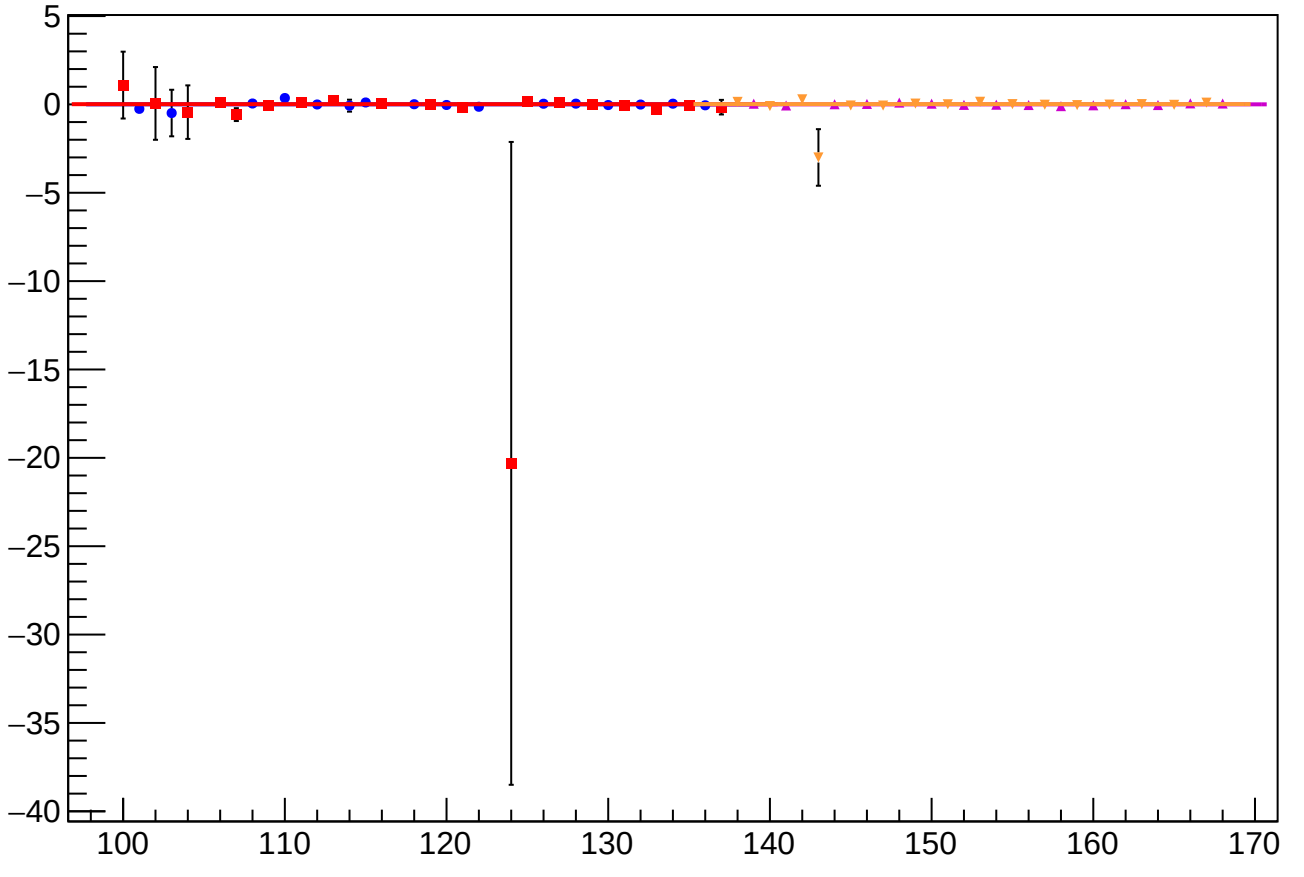
+ sign 0.000+/-0.000 χ^2/NDF: 34.2/31

All: 0.000+/-0.000 χ^2/NDF: 68.2/65

- sign 0.000+/-0.000 χ^2/NDF: 33.8/33


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:1135012.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:908897.7/14
+ sign 0.000+/-0.000 χ²/NDF: 3568536.5/31
All: 0.000+/-0.000 χ²/NDF: 6721920.4/65
- sign 0.000+/-0.000 χ²/NDF: 3073713.3/33

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.015 χ^2/NDF:24.3/15

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

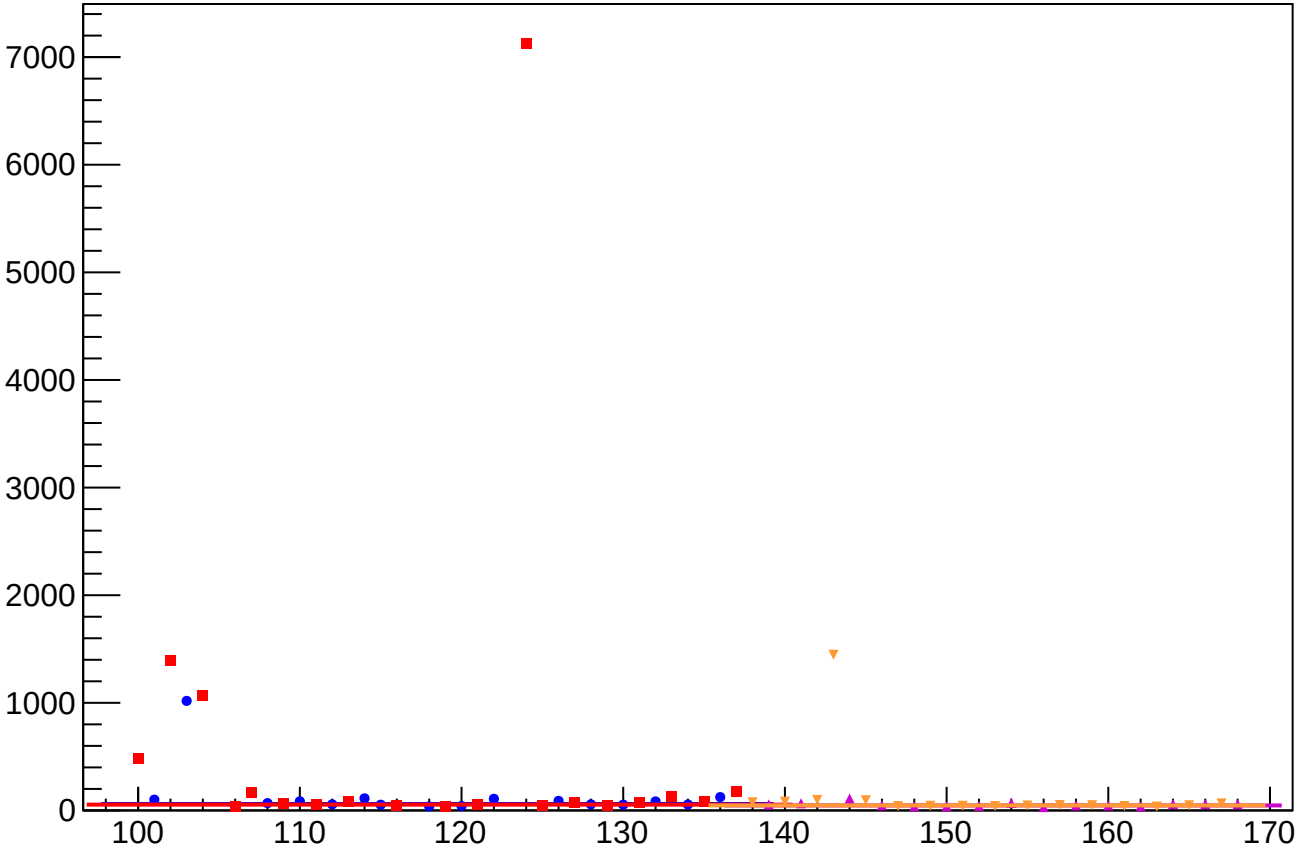
Left In: 0.003+/-0.015 χ^2/NDF:13.4/14

+ sign 0.013+/-0.013 χ^2/NDF: 35.8/31

All: 0.009+/-0.009 χ^2/NDF: 67.0/65

- sign 0.006+/-0.013 χ^2/NDF: 31.0/33

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.978+/-0.011 χ^2/NDF:2928819.1/15

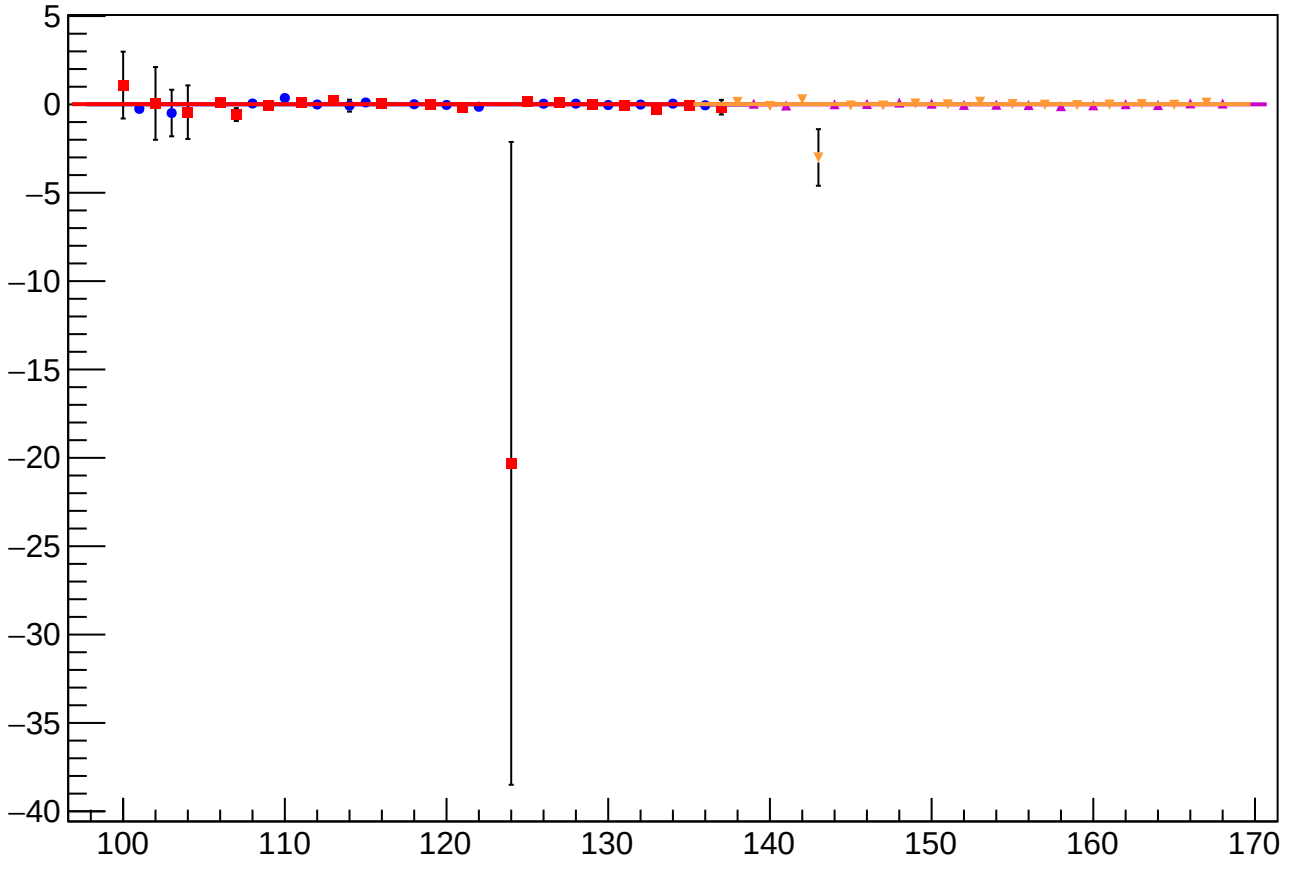
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.597+/-0.011 χ^2/NDF:1538497.3/14

+ sign 50.164+/-0.009 χ^2/NDF: 5816362.5/31

All: 49.317+/-0.007 χ^2/NDF: 11023882.8/65

- sign 48.517+/-0.009 χ^2/NDF: 5191752.6/33



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.015 χ^2/NDF:24.3/15

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

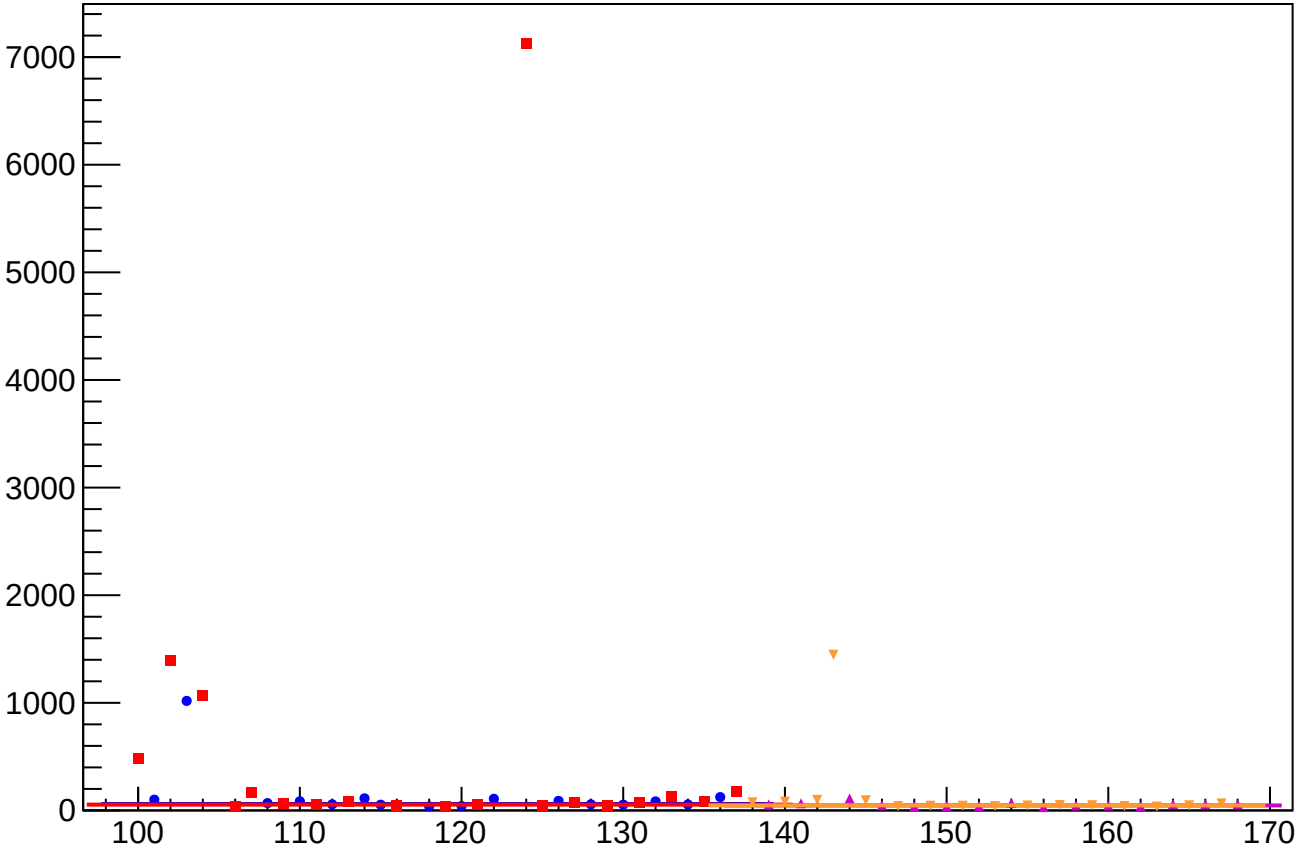
Left In: 0.003+/-0.015 χ^2/NDF:13.4/14

+ sign 0.013+/-0.013 χ^2/NDF: 35.8/31

All: 0.009+/-0.009 χ^2/NDF: 67.0/65

- sign 0.006+/-0.013 χ^2/NDF: 31.0/33

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: 46.978+/-0.011 χ^2/NDF:2928819.1/15

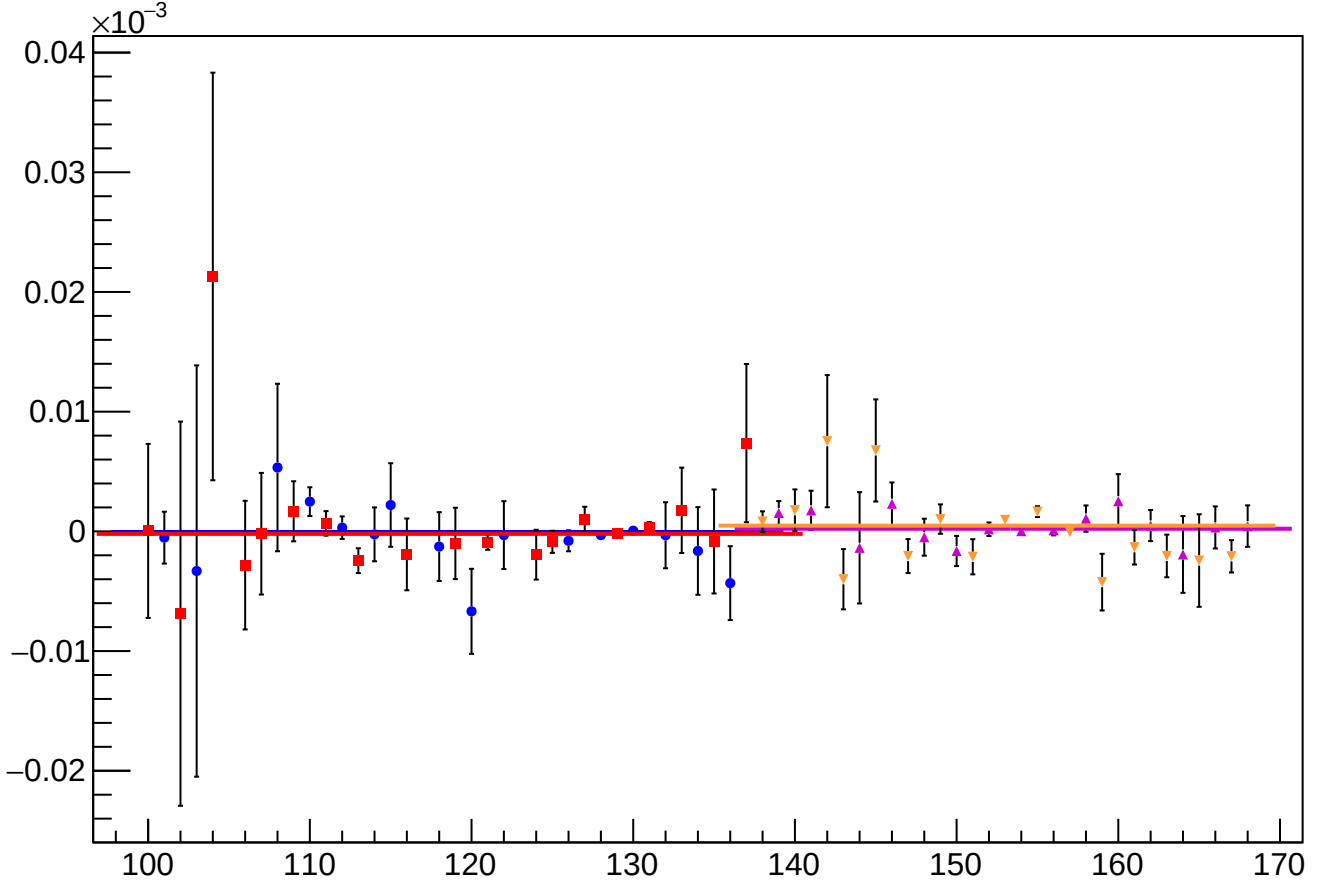
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.597+/-0.011 χ^2/NDF:1538497.3/14

+ sign 50.164+/-0.009 χ^2/NDF: 5816362.5/31

All: 49.317+/-0.007 χ^2/NDF: 11023882.8/65

- sign 48.517+/-0.009 χ^2/NDF: 5191752.6/33



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

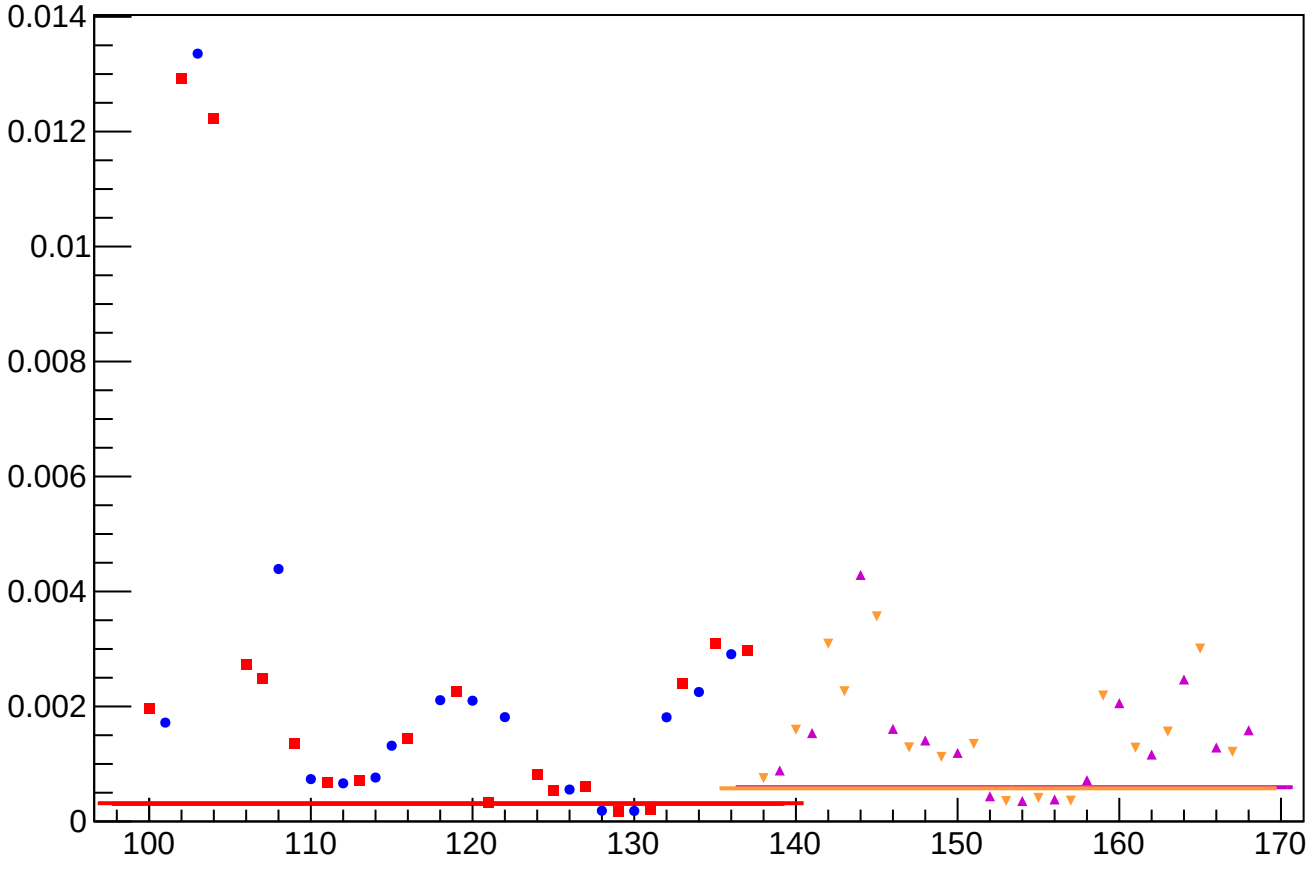
Left In: 0.000+/-0.000 χ^2/NDF:9.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 52.3/31

All: 0.000+/-0.000 χ^2/NDF: 80.3/65

- sign -0.000+/-0.000 χ^2/NDF: 26.8/33

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:9252315.3/15

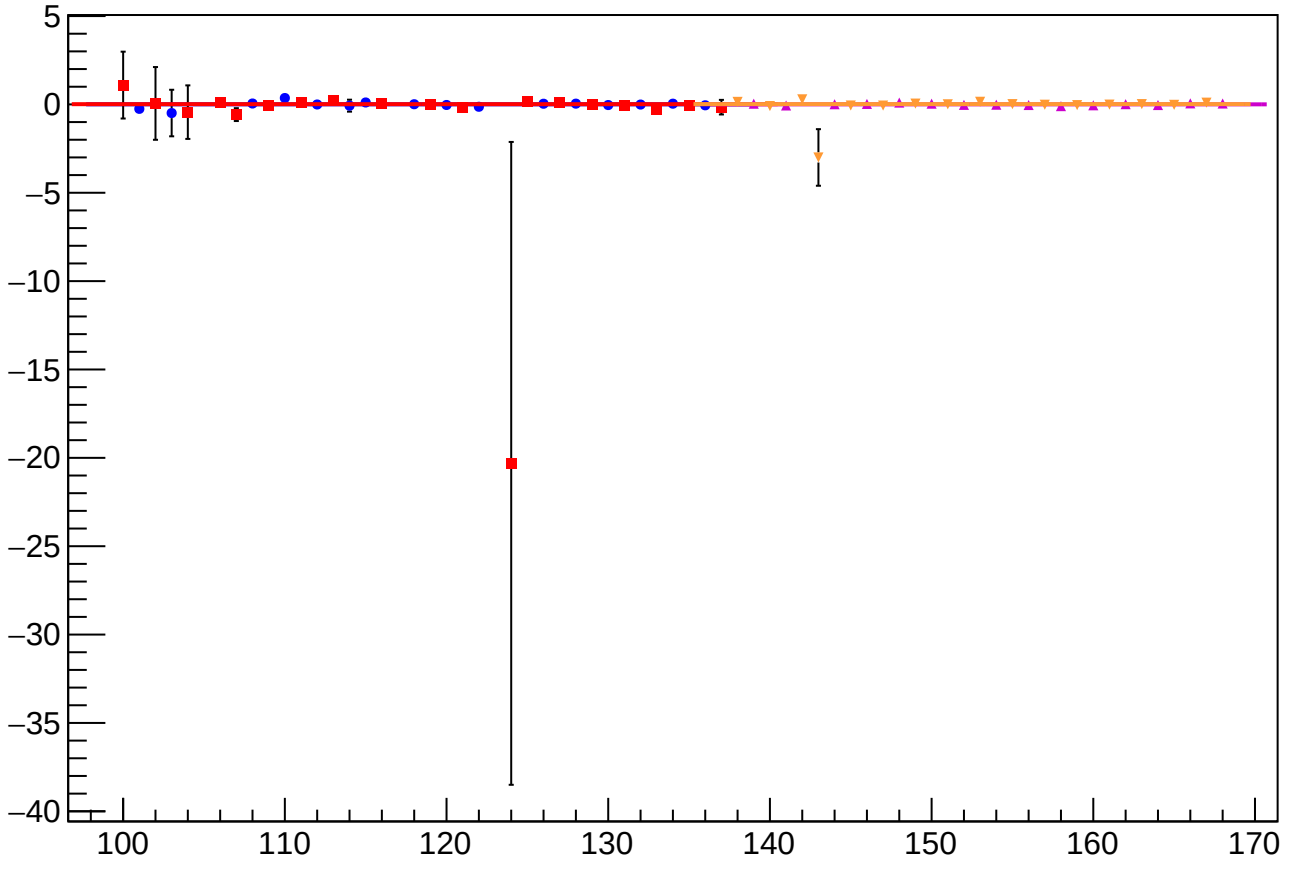
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:8085131.7/14

+ sign 0.000+/-0.000 χ^2/NDF: 19780761.3/31

All: 0.000+/-0.000 χ^2/NDF: 37696403.0/65

- sign 0.000+/-0.000 χ^2/NDF: 17913766.9/33



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.015 χ^2/NDF:24.3/15

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

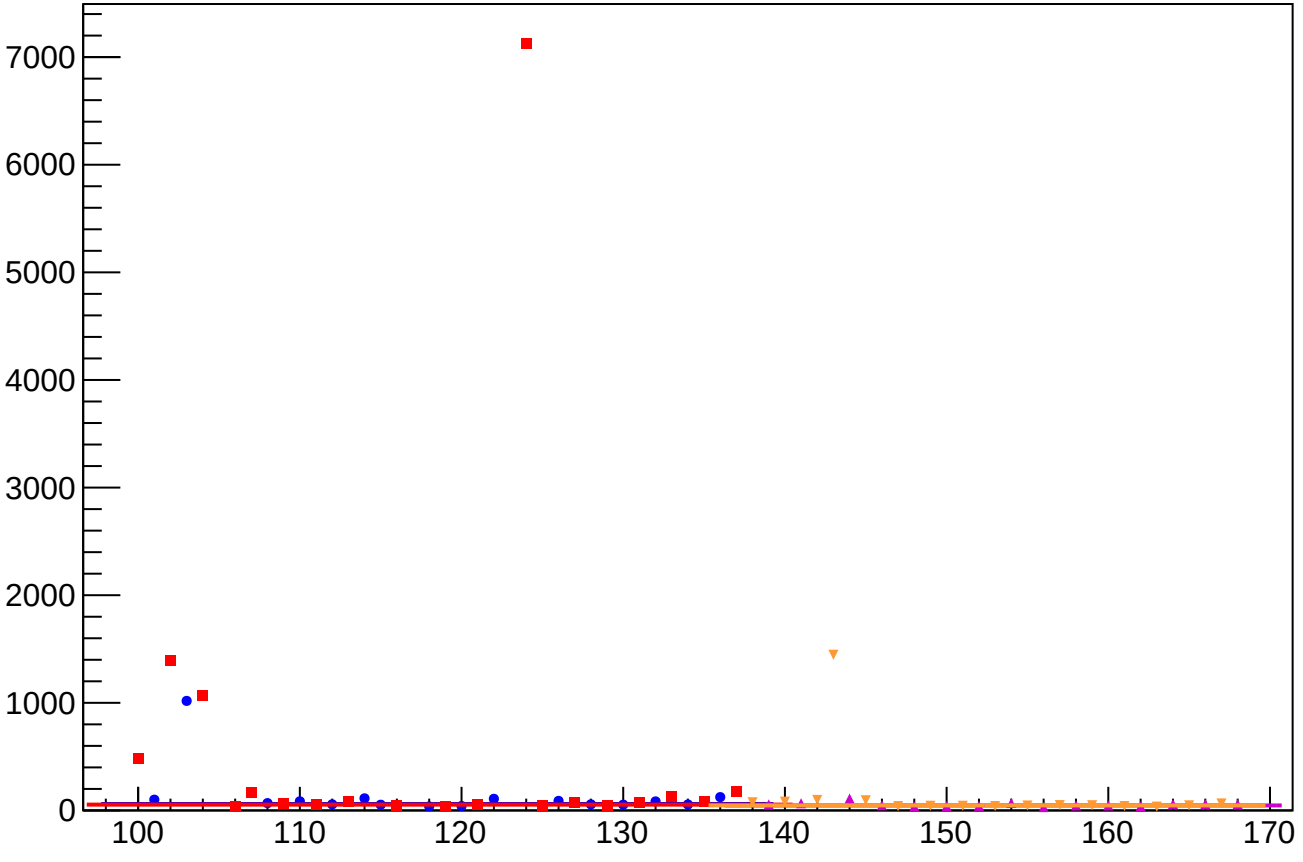
Left In: 0.003+/-0.015 χ^2/NDF:13.4/14

+ sign 0.013+/-0.013 χ^2/NDF: 35.8/31

All: 0.009+/-0.009 χ^2/NDF: 67.0/65

- sign 0.006+/-0.013 χ^2/NDF: 31.0/33

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: 46.978+/-0.011 χ^2/NDF:2928806.1/15

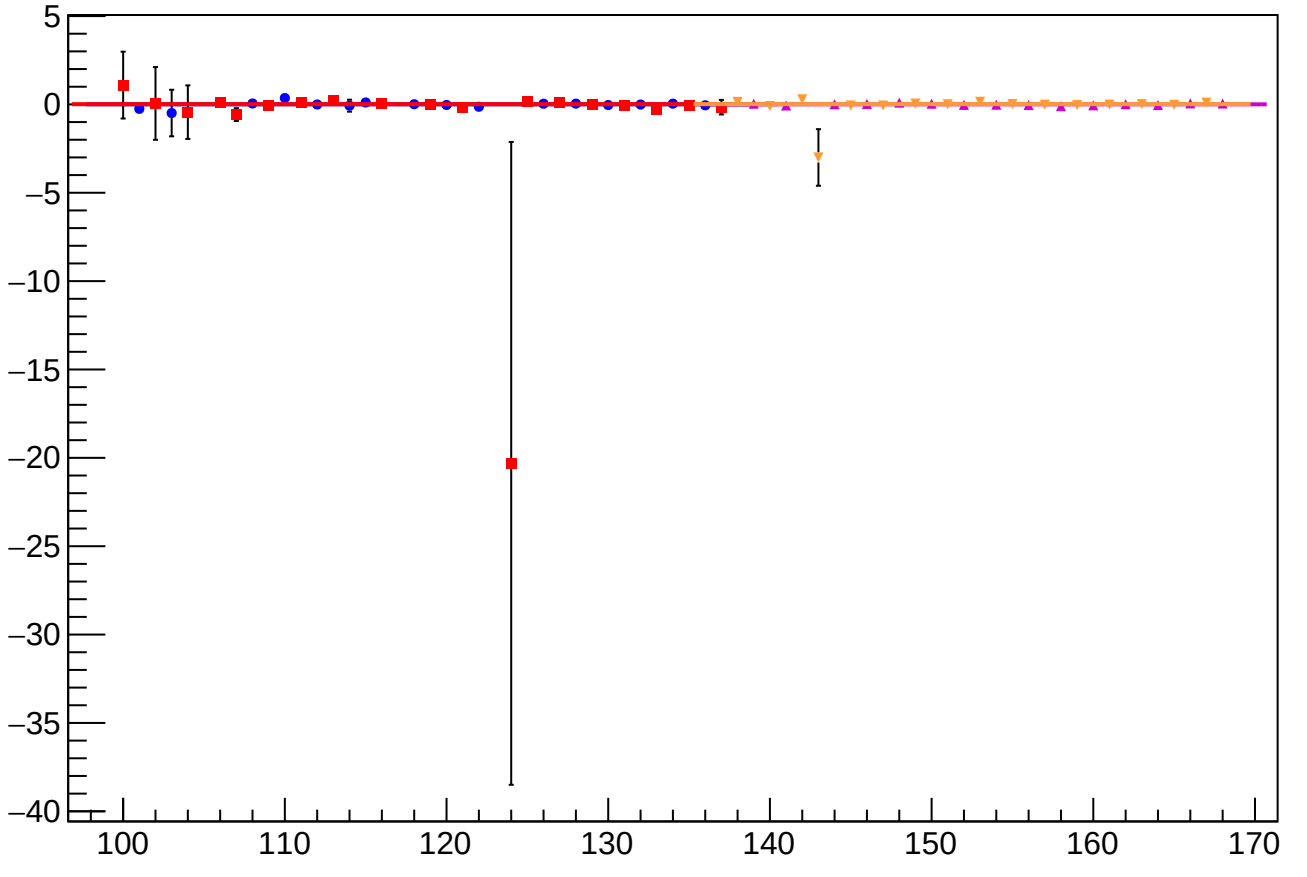
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.597+/-0.011 χ^2/NDF:1538504.2/14

+ sign 50.164+/-0.009 χ^2/NDF: 5816341.6/31

All: 49.317+/-0.007 χ^2/NDF: 11023903.3/65

- sign 48.517+/-0.009 χ^2/NDF: 5191786.7/33



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.015 χ^2/NDF:24.3/15

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

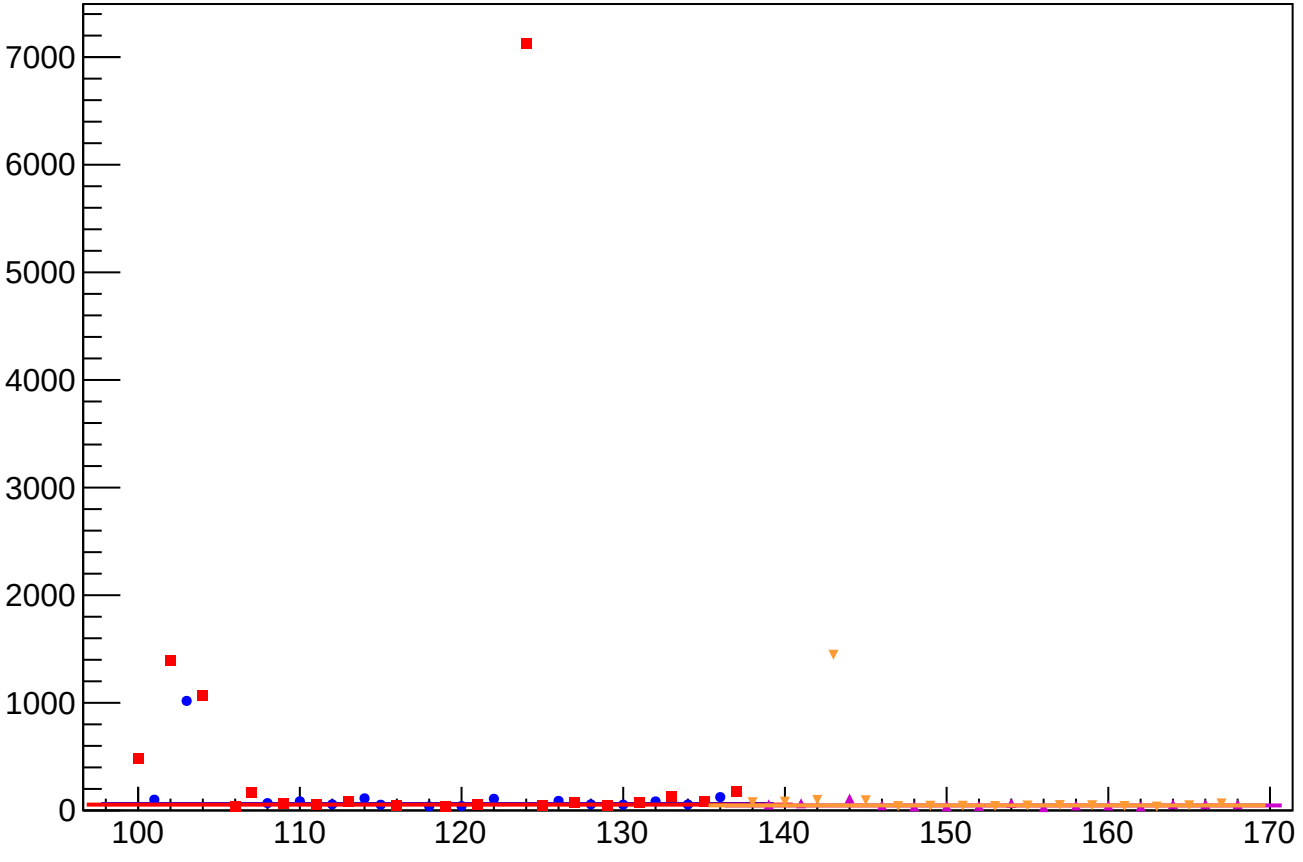
Left In: 0.003+/-0.015 χ^2/NDF:13.4/14

+ sign 0.013+/-0.013 χ^2/NDF: 35.8/31

All: 0.009+/-0.009 χ^2/NDF: 67.0/65

- sign 0.006+/-0.013 χ^2/NDF: 31.0/33

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.978+/-0.011 χ^2/NDF:2928806.1/15

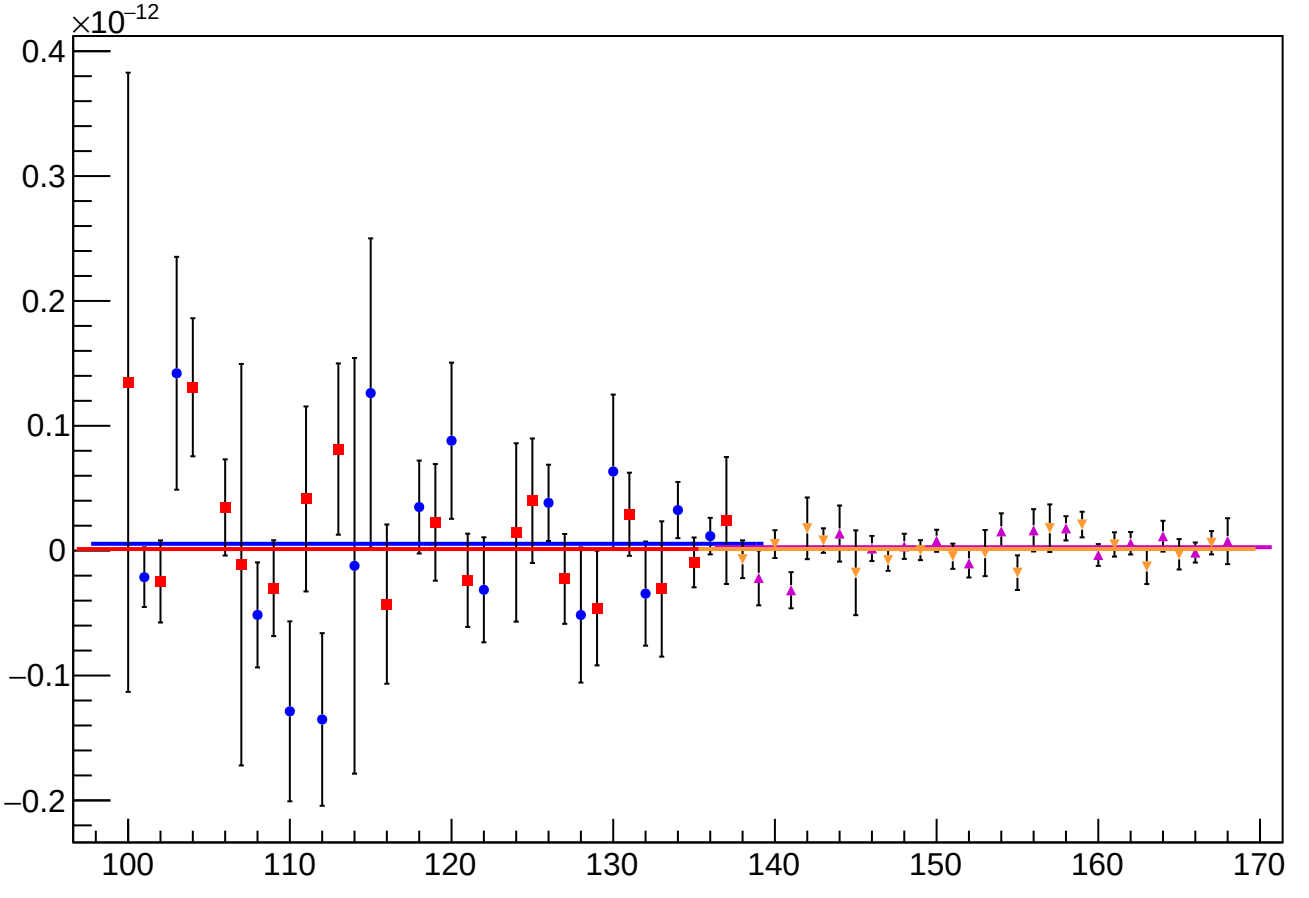
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.597+/-0.011 χ^2/NDF:1538504.2/14

+ sign 50.164+/-0.009 χ^2/NDF: 5816341.6/31

All: 49.317+/-0.007 χ^2/NDF: 11023903.3/65

- sign 48.517+/-0.009 χ^2/NDF: 5191786.7/33



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/15

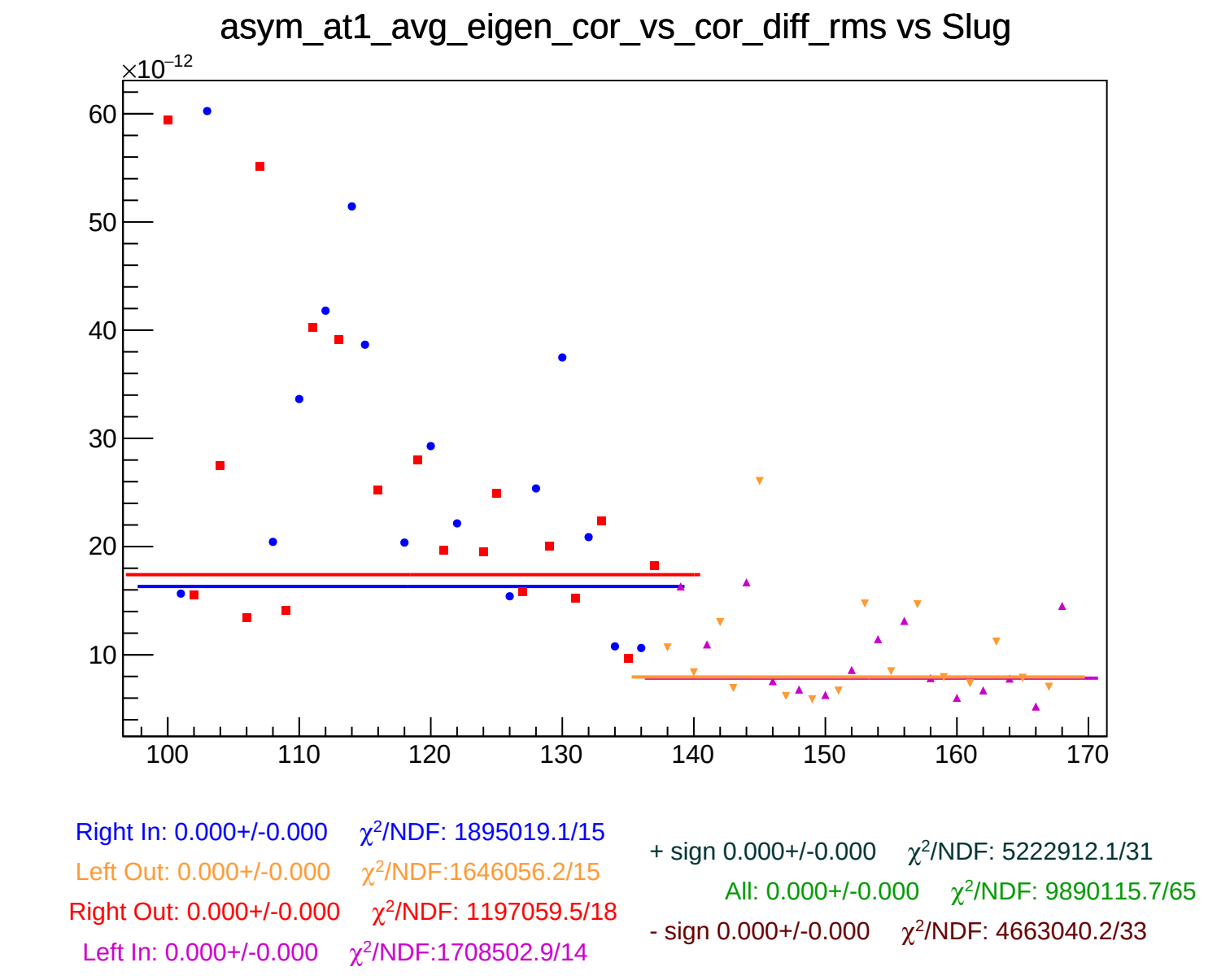
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:14.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 33.8/31

All: 0.000+/-0.000 χ^2/NDF: 62.3/65

- sign 0.000+/-0.000 χ^2/NDF: 28.4/33


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
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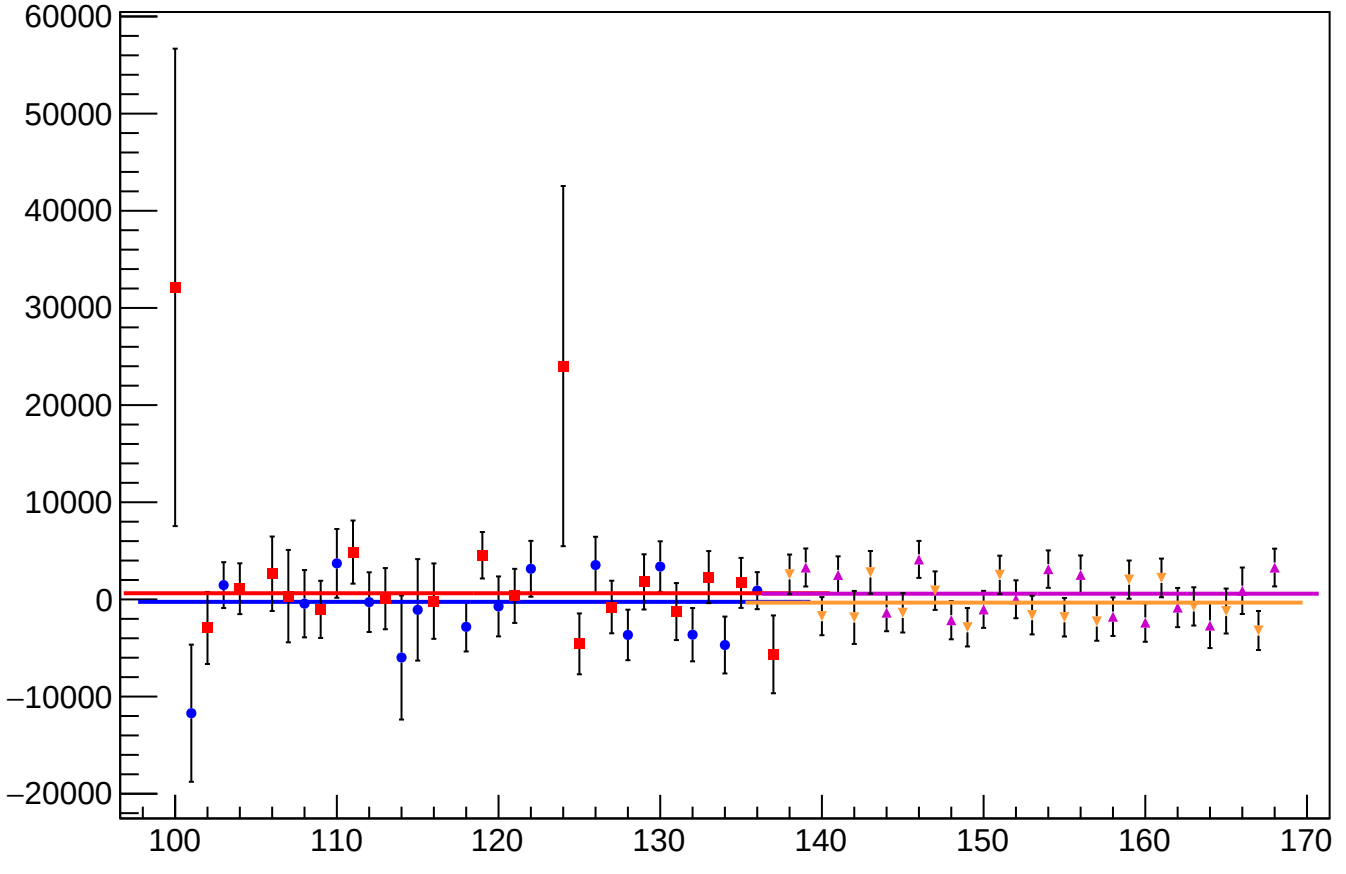
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1646056.2/15
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:1708502.9/14
+ sign 0.000+/-0.000 χ²/NDF: 5222912.1/31
All: 0.000+/-0.000 χ²/NDF: 9890115.7/65
- sign 0.000+/-0.000 χ²/NDF: 4663040.2/33

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -329.948+/-511.742 χ^2/NDF:16.5/15

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

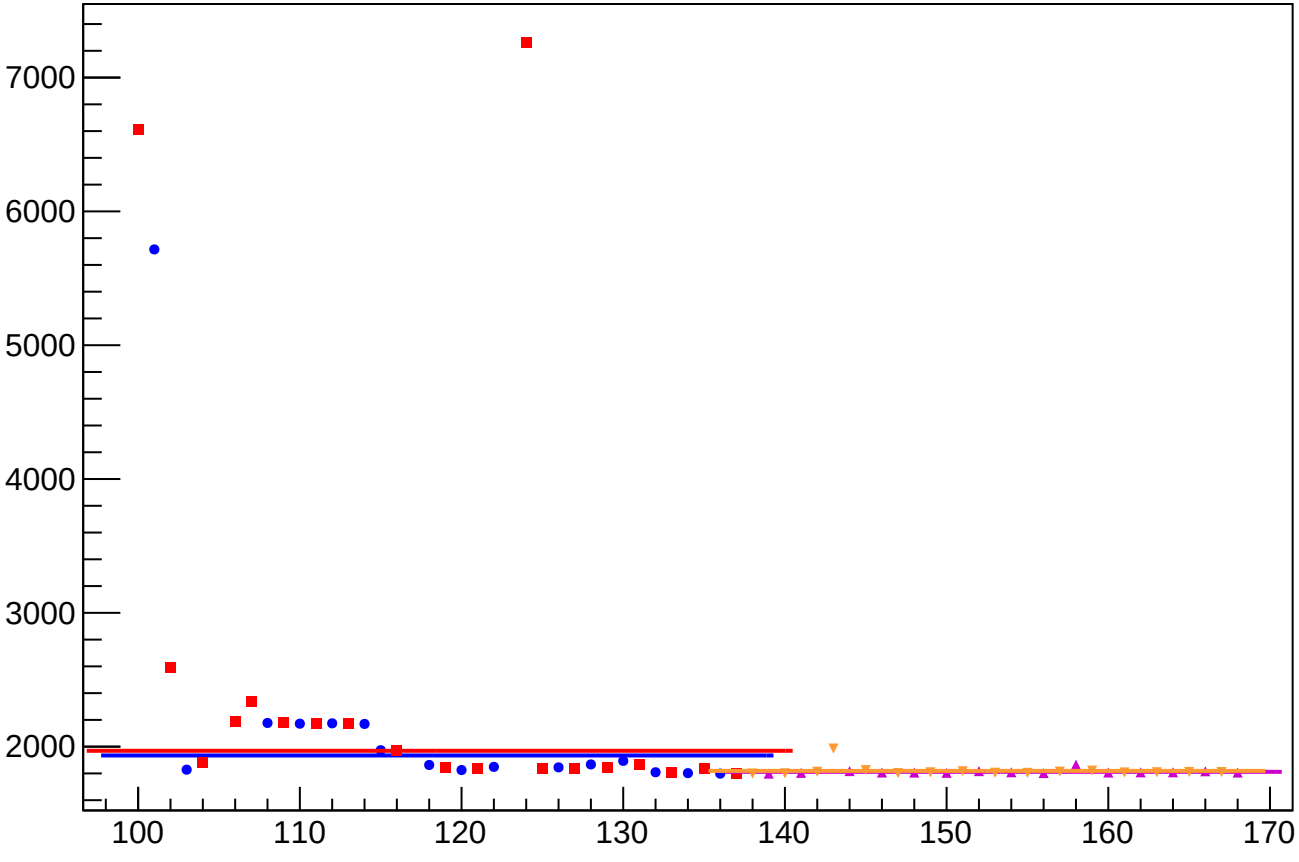
Left In: 588.527+/-514.296 χ^2/NDF:20.9/14

+ sign -304.274+/-419.995 χ^2/NDF: 33.8/31

All: 148.340+/-297.502 χ^2/NDF: 72.9/65

- sign 604.144+/-421.473 χ^2/NDF: 36.8/33

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1818.941+/-0.362 χ^2/NDF:12548.8/15

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

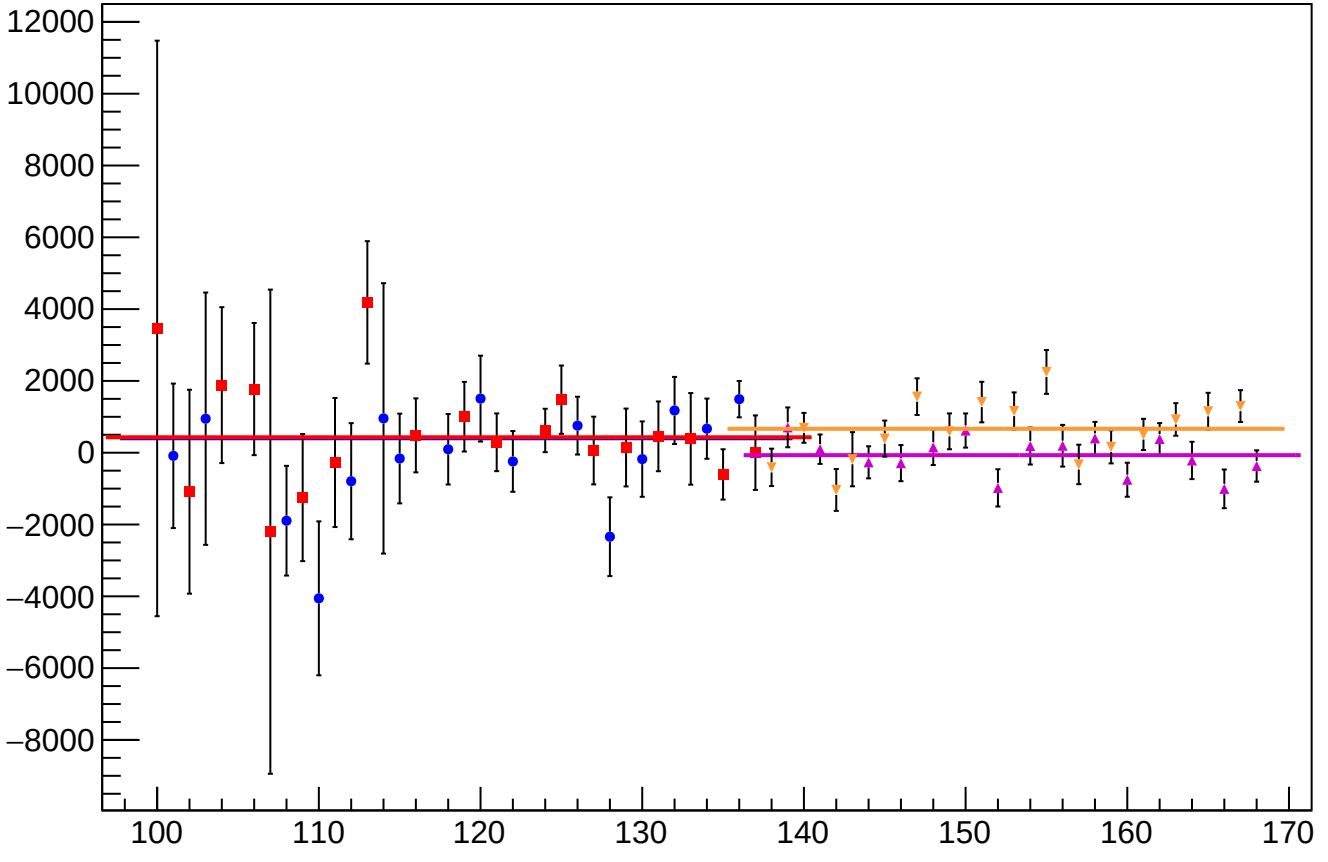
Left In: 1811.930+/-0.364 χ^2/NDF:1752.0/14

+ sign 1856.570+/-0.297 χ^2/NDF: 685596.0/31

All: 1860.062+/-0.210 χ^2/NDF: 1127425.4/65

- sign 1863.579+/-0.298 χ^2/NDF: 441551.9/33

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 665.882+/-126.535 χ^2/NDF:34.6/15

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

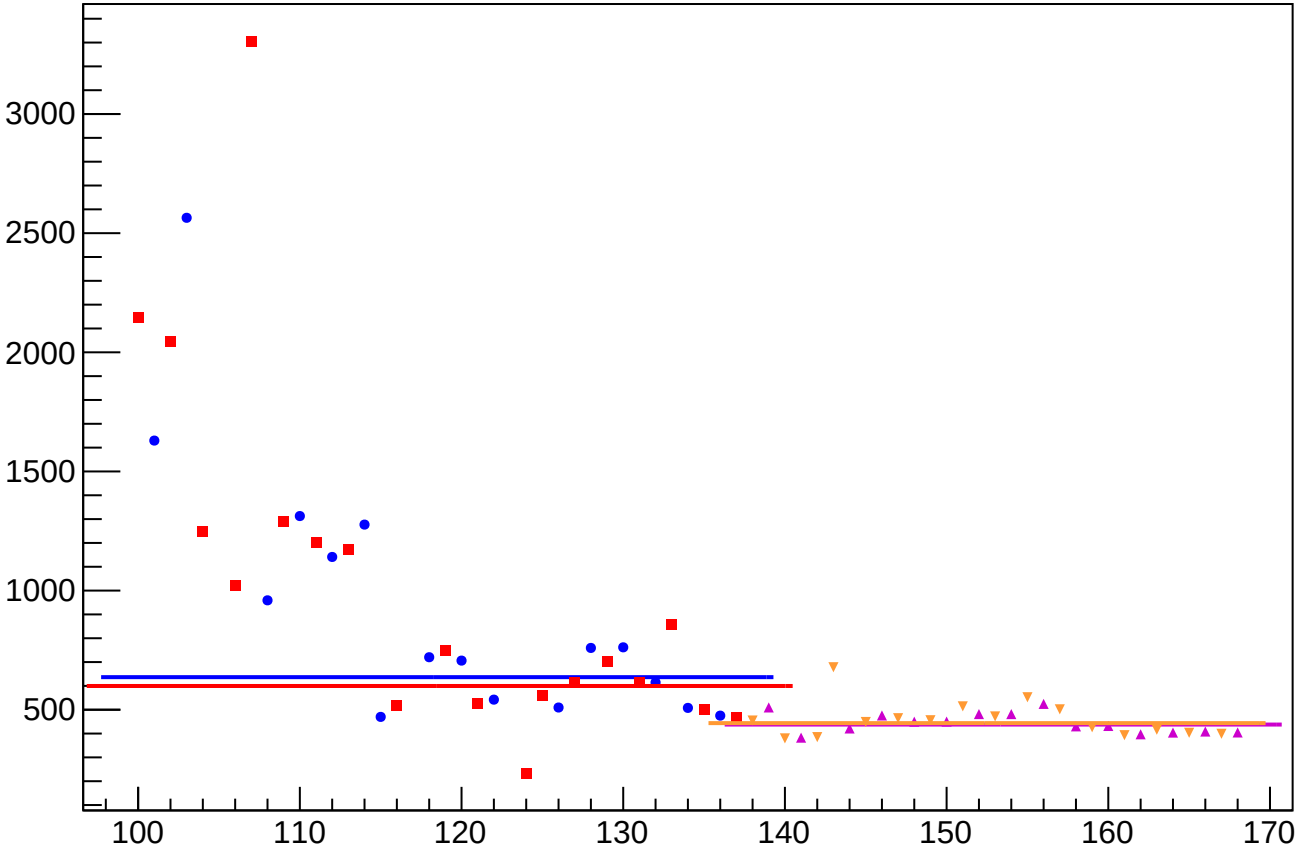
Left In: -68.074+/-125.160 χ^2/NDF:16.1/14

+ sign 615.020+/-113.656 χ^2/NDF: 56.6/31

All: 318.643+/-79.835 χ^2/NDF: 101.0/65

- sign 29.977+/-112.168 χ^2/NDF: 30.9/33

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 443.786+/-0.089 χ^2/NDF:459164.3/15

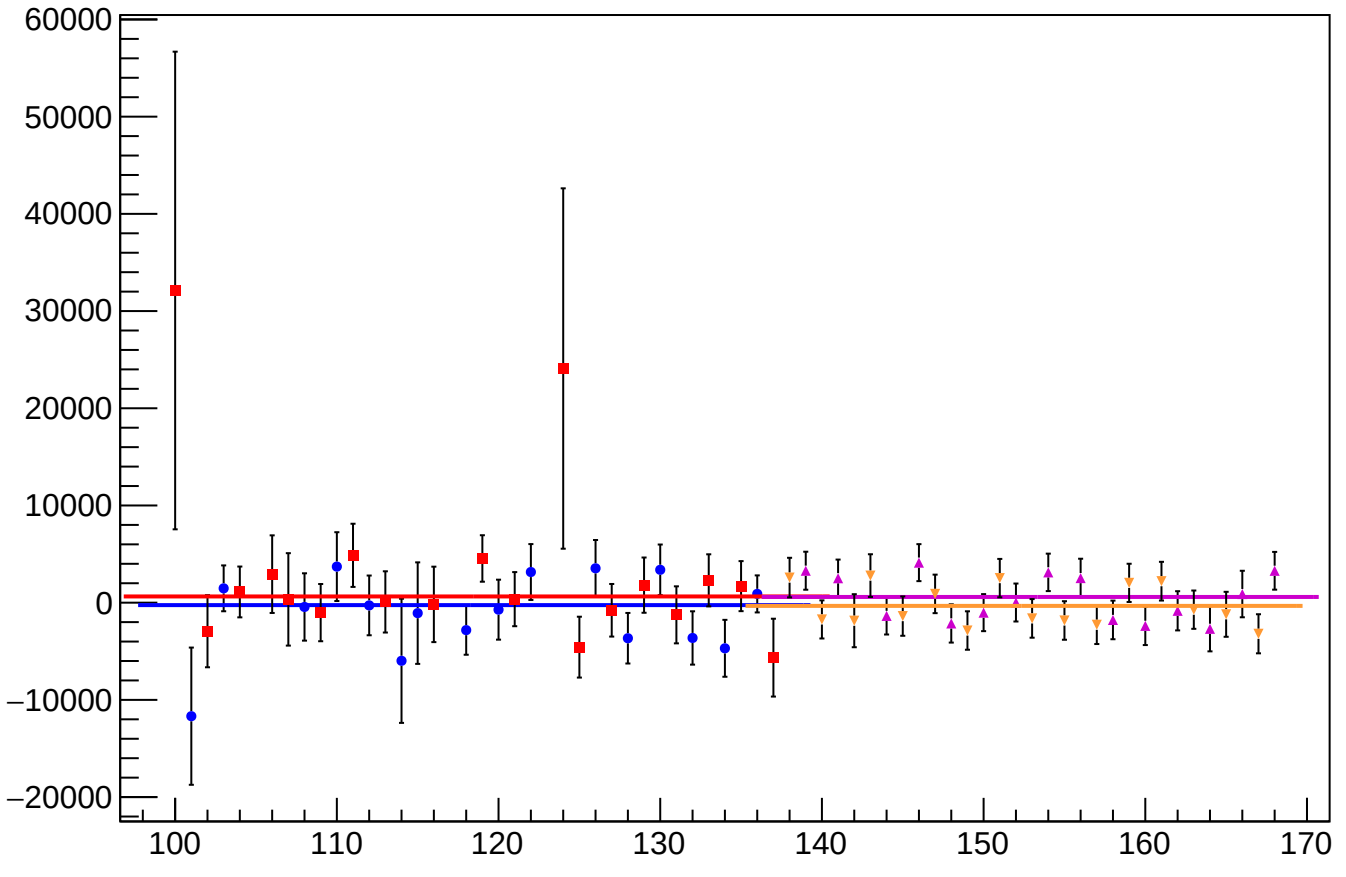
Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 437.738+/-0.089 χ^2/NDF:203666.2/14

+ sign 481.057+/-0.080 χ^2/NDF: 3424212.0/31

All: 475.255+/-0.056 χ^2/NDF: 7240920.4/65

- sign 469.604+/-0.079 χ^2/NDF: 3806419.8/33



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -329.990+/-511.742 χ^2/NDF:16.5/15

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

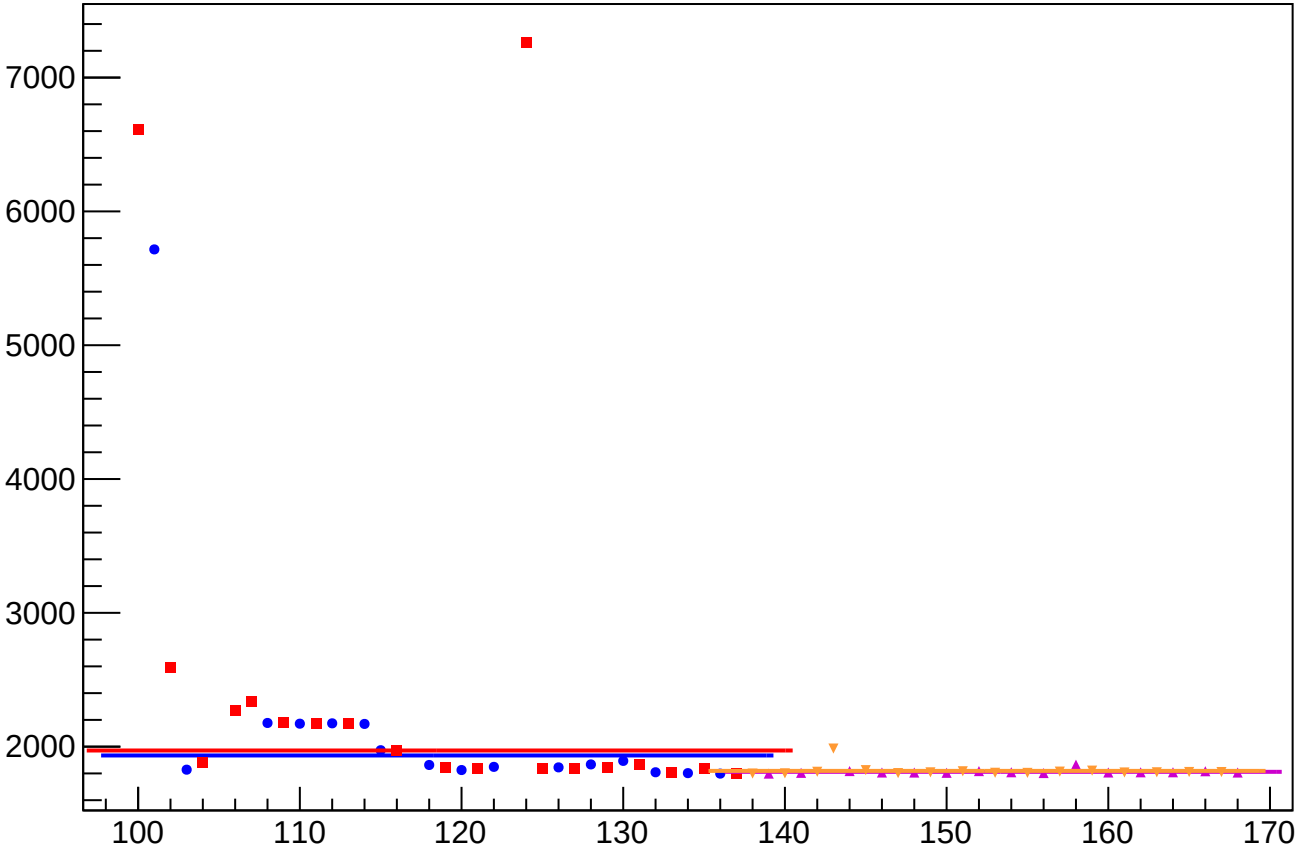
Left In: 588.526+/-514.296 χ^2/NDF:20.9/14

+ sign -304.038+/-419.995 χ^2/NDF: 33.8/31

All: 149.007+/-297.573 χ^2/NDF: 73.0/65

- sign 605.680+/-421.674 χ^2/NDF: 36.9/33

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1818.941+/-0.362 χ^2/NDF:12548.8/15

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

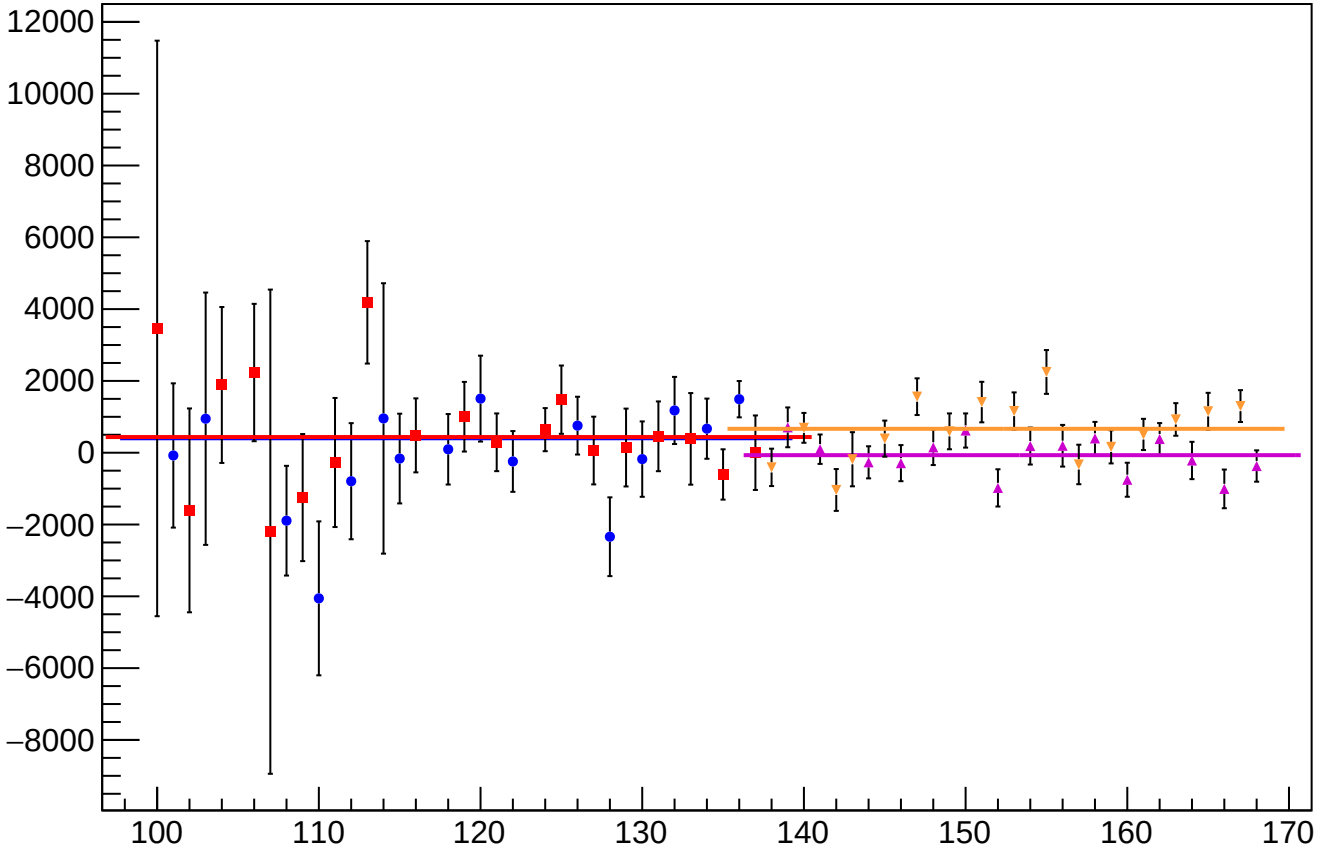
Left In: 1811.930+/-0.364 χ^2/NDF:1752.0/14

+ sign 1856.570+/-0.297 χ^2/NDF: 685595.9/31

All: 1860.361+/-0.210 χ^2/NDF: 1133842.4/65

- sign 1864.183+/-0.298 χ^2/NDF: 447919.2/33

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 665.844+/-126.535 χ^2/NDF:34.6/15

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

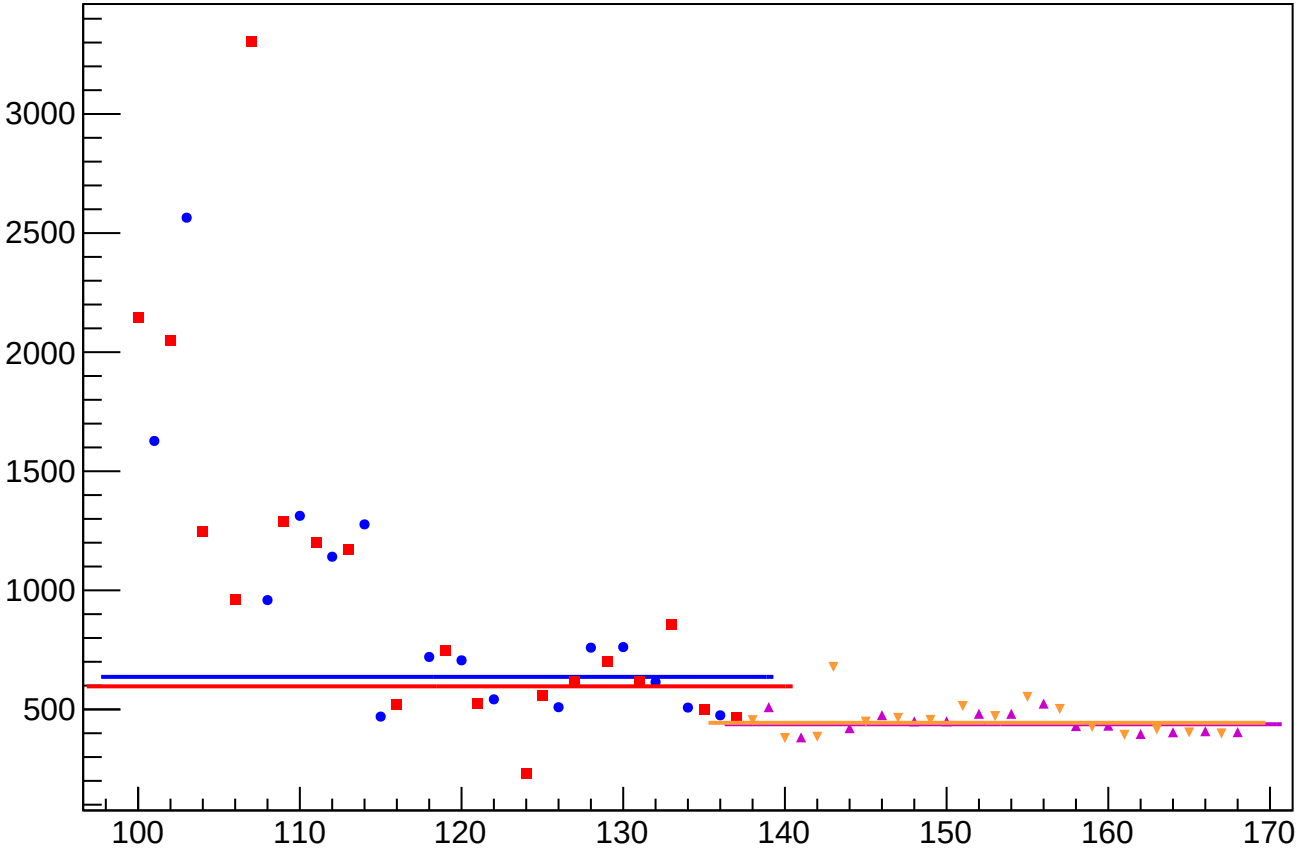
Left In: -68.097+/-125.159 χ^2/NDF:16.1/14

+ sign 615.000+/-113.655 χ^2/NDF: 56.6/31

All: 319.298+/-79.830 χ^2/NDF: 101.6/65

- sign 31.357+/-112.154 χ^2/NDF: 31.6/33

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 443.788+/-0.089 χ^2/NDF:459116.9/15

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

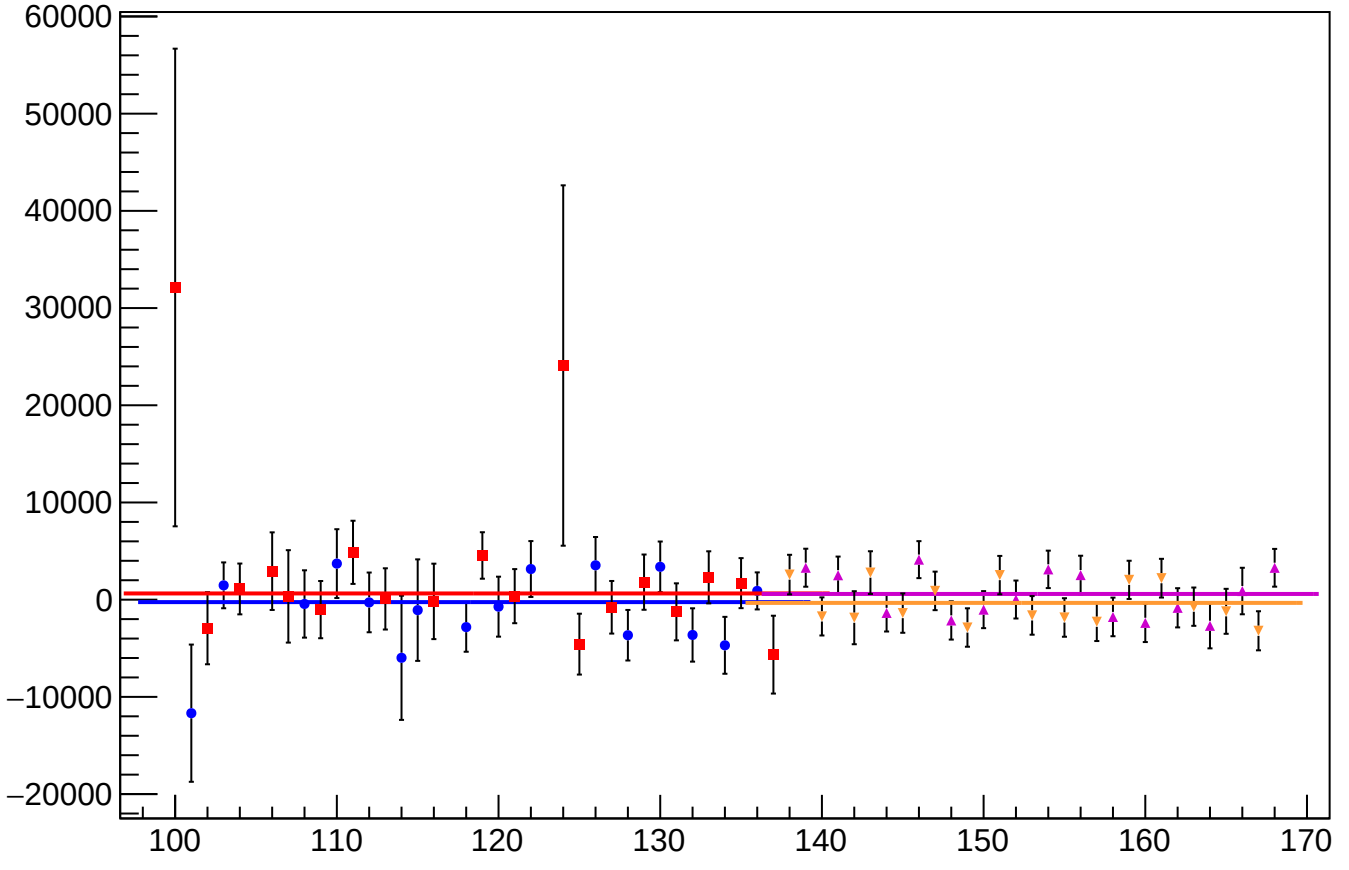
Left In: 437.735+/-0.089 χ^2/NDF:203664.2/14

+ sign 481.062+/-0.080 χ^2/NDF: 3423314.7/31

All: 474.994+/-0.056 χ^2/NDF: 7205625.6/65

- sign 469.086+/-0.079 χ^2/NDF: 3771061.0/33

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -329.990+/-511.742 χ^2/NDF:16.5/15

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

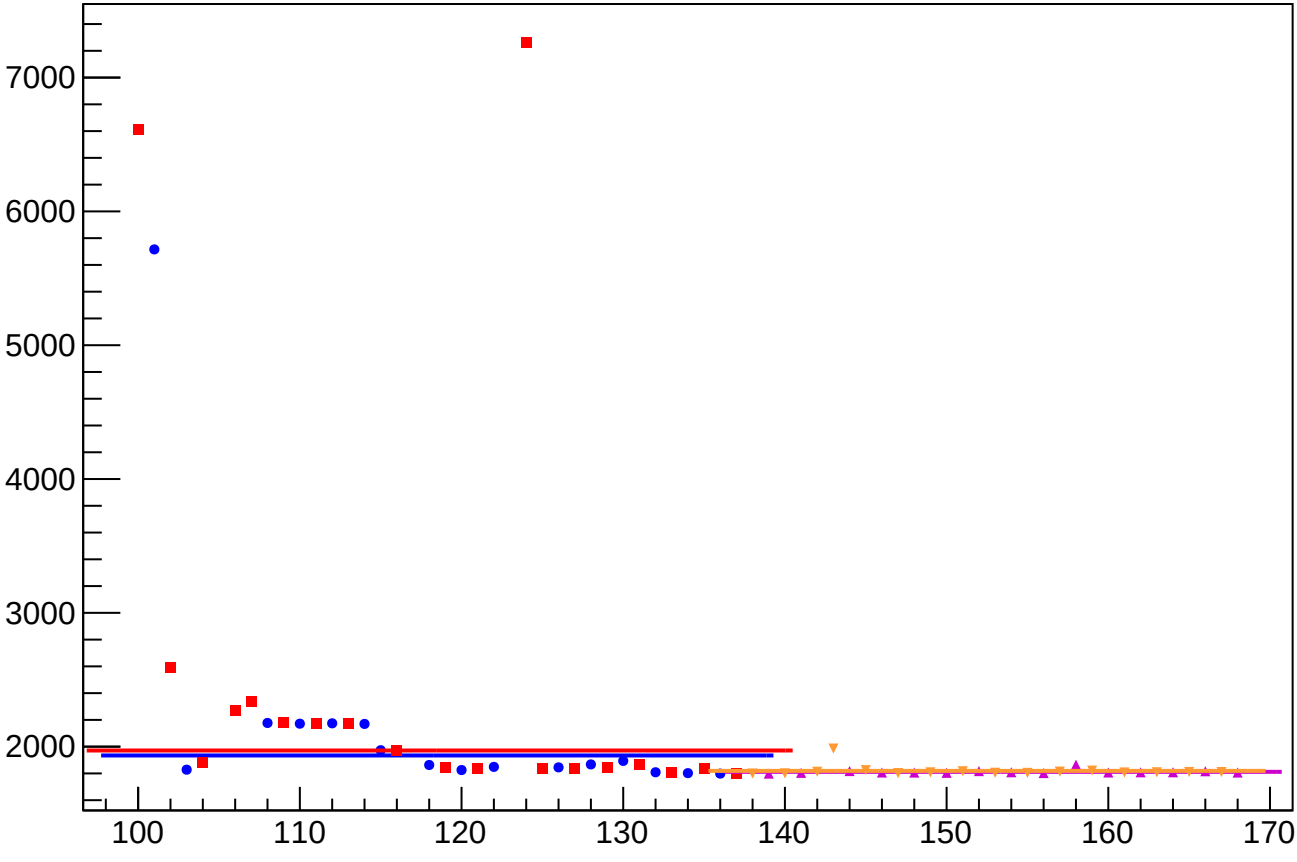
Left In: 588.526+/-514.296 χ^2/NDF:20.9/14

+ sign -304.038+/-419.995 χ^2/NDF: 33.8/31

All: 149.007+/-297.573 χ^2/NDF: 73.0/65

- sign 605.680+/-421.674 χ^2/NDF: 36.9/33

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1818.941+/-0.362 χ^2/NDF:12548.8/15

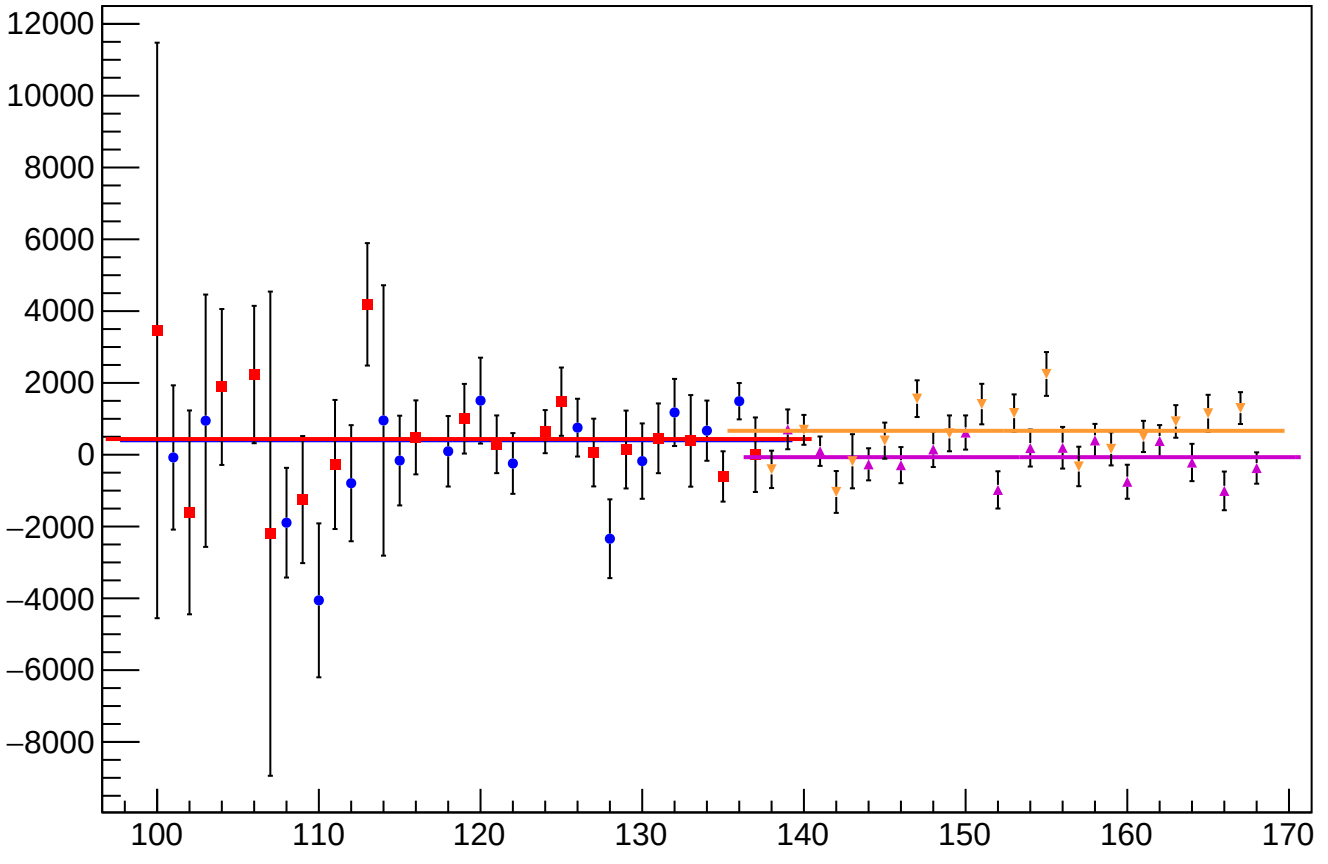
Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1811.930+/-0.364 χ^2/NDF:1752.0/14

+ sign 1856.570+/-0.297 χ^2/NDF: 685595.9/31

All: 1860.361+/-0.210 χ^2/NDF: 1133842.4/65

- sign 1864.183+/-0.298 χ^2/NDF: 447919.2/33



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 665.844+/-126.535 χ^2/NDF:34.6/15

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

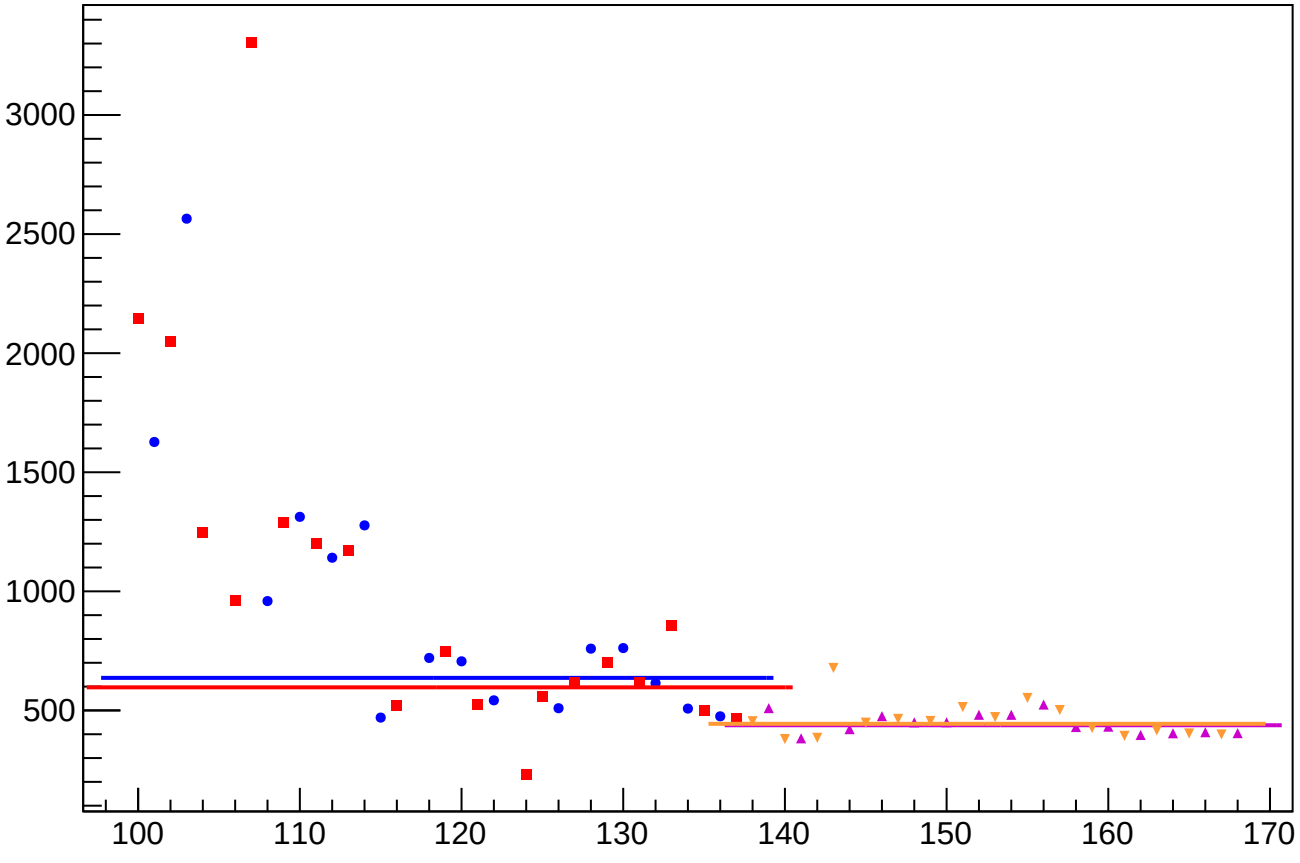
Left In: -68.097+/-125.159 χ^2/NDF:16.1/14

\+ sign 615.000+/-113.655 χ^2/NDF: 56.6/31

All: 319.298+/-79.830 χ^2/NDF: 101.6/65

\- sign 31.357+/-112.154 χ^2/NDF: 31.6/33

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 443.788+/-0.089 χ^2/NDF:459116.9/15

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

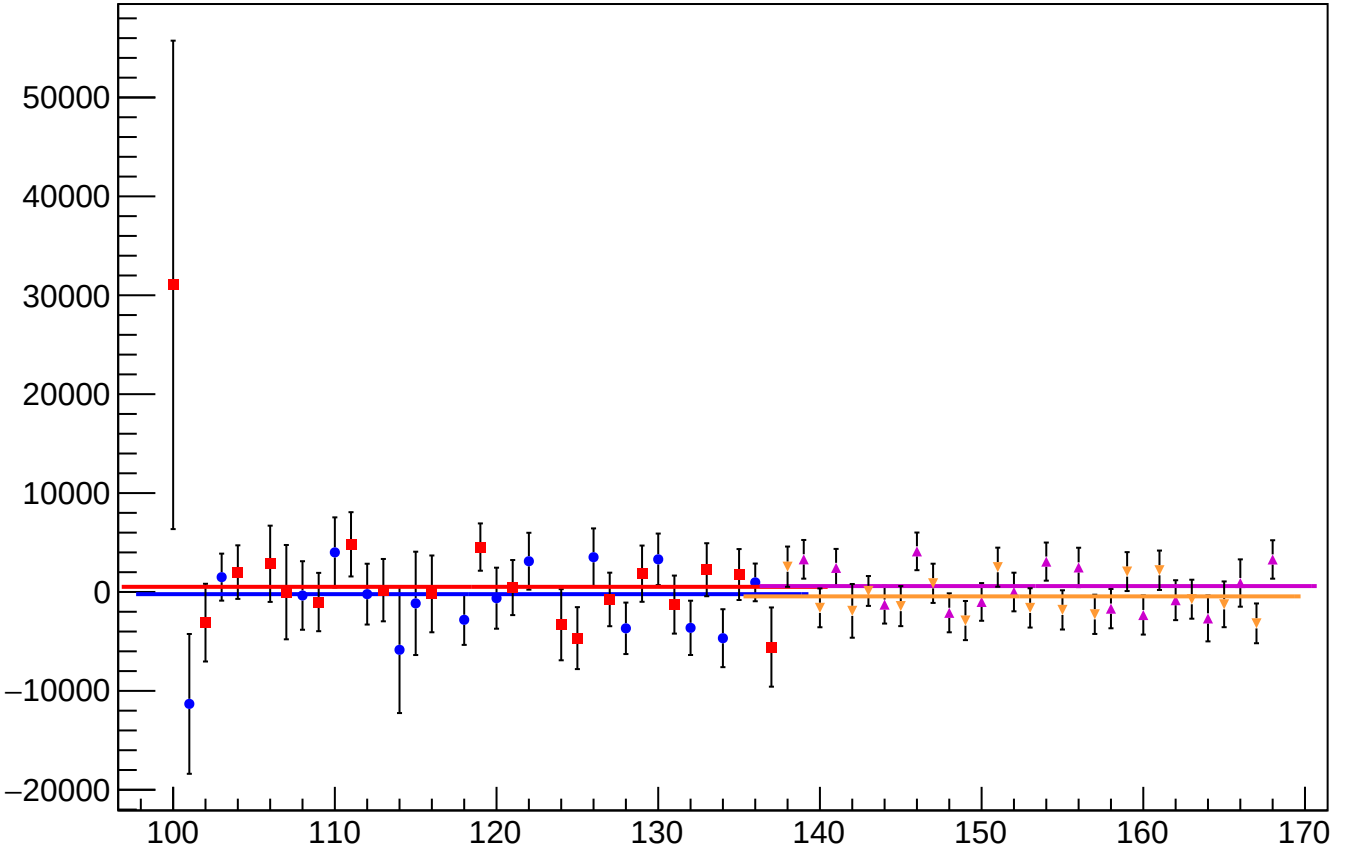
Left In: 437.735+/-0.089 χ^2/NDF:203664.2/14

+ sign 481.062+/-0.080 χ^2/NDF: 3423314.7/31

All: 474.994+/-0.056 χ^2/NDF: 7205625.6/65

- sign 469.086+/-0.079 χ^2/NDF: 3771061.0/33

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -444.360+/-496.961 χ^2/NDF:14.4/15

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

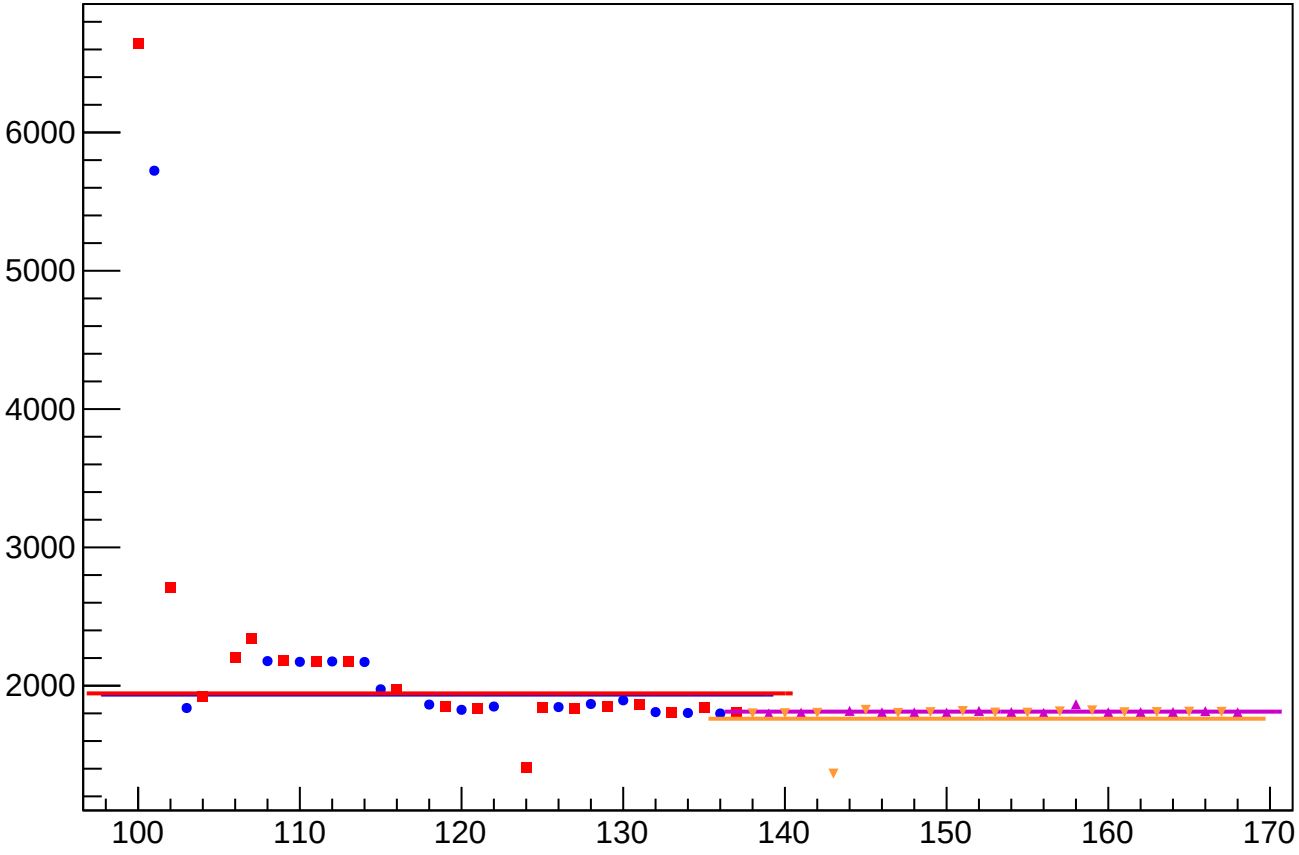
Left In: 596.172+/-514.471 χ^2/NDF:20.3/14

+ sign -374.210+/-411.844 χ^2/NDF: 31.6/31

All: 89.497+/-293.909 χ^2/NDF: 70.1/65

- sign 570.749+/-419.563 χ^2/NDF: 36.0/33

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1761.360+/-0.351 χ^2/NDF:155524.1/15

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

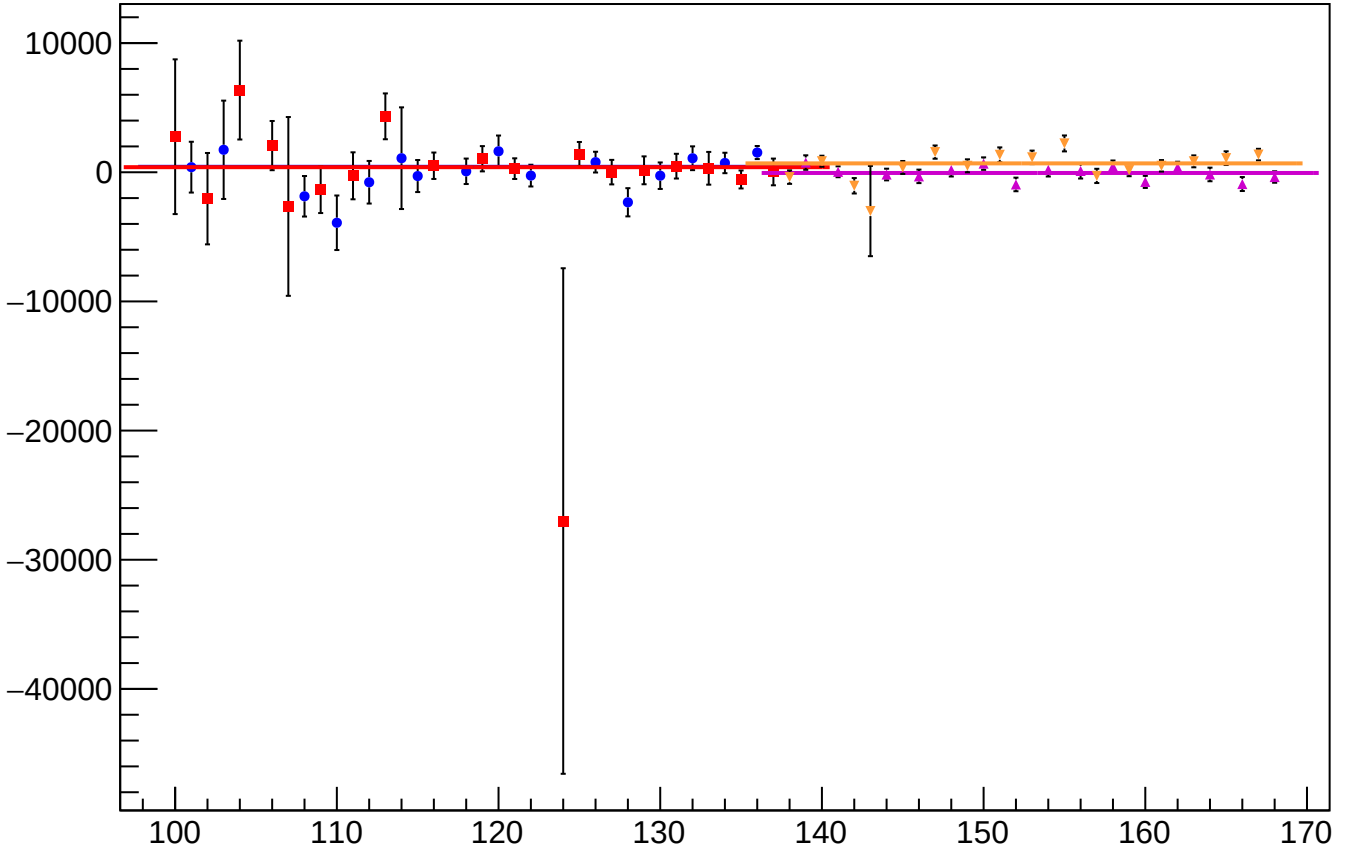
Left In: 1812.546+/-0.364 χ^2/NDF:1746.9/14

+ sign 1816.051+/-0.291 χ^2/NDF: 872669.4/31

All: 1836.017+/-0.208 χ^2/NDF: 1204280.7/65

- sign 1856.738+/-0.297 χ^2/NDF: 322032.7/33

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 687.149+/-130.129 χ^2/NDF:33.1/15

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

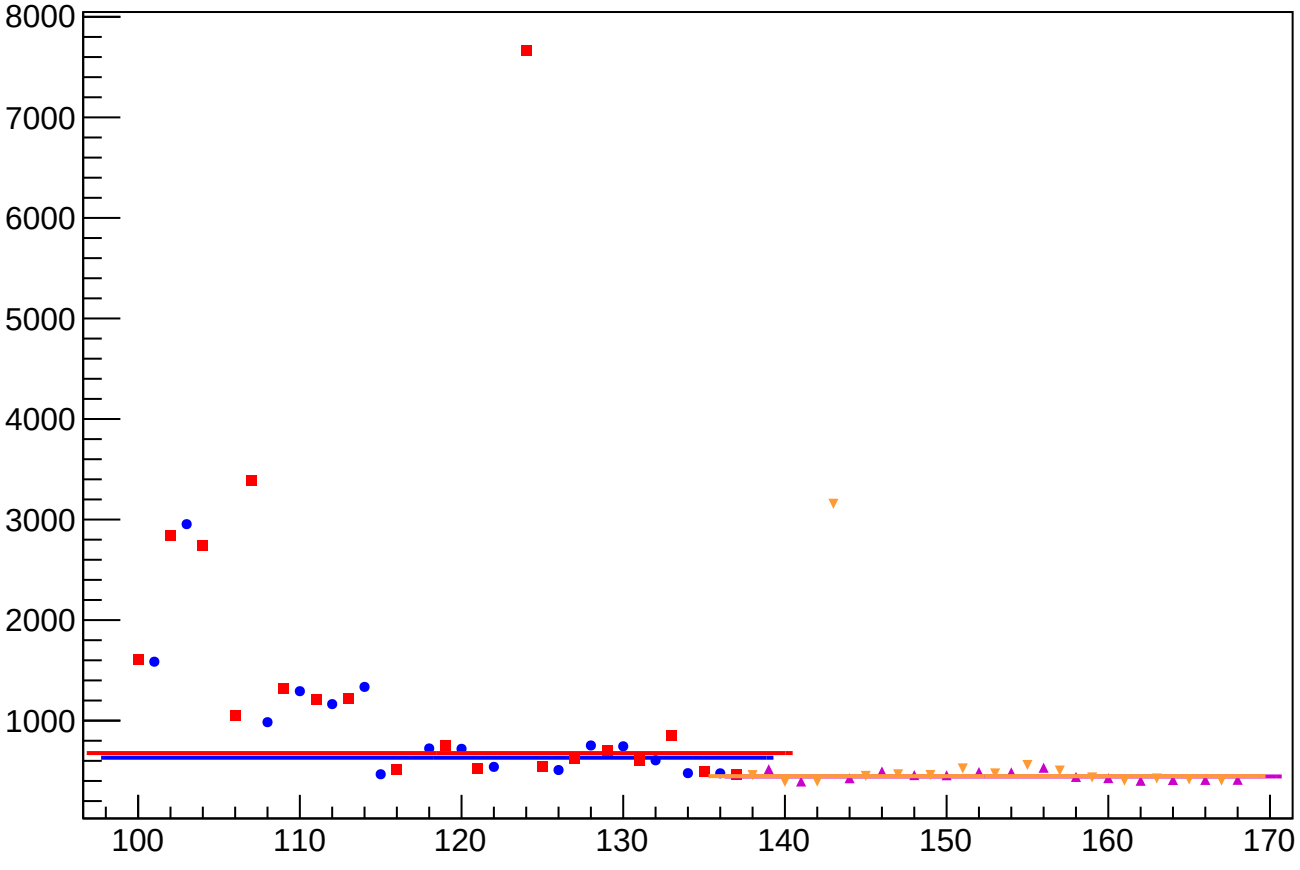
Left In: -55.328+/-127.032 χ^2/NDF:15.2/14

\+ sign 632.783+/-116.072 χ^2/NDF: 55.5/31

All: 326.032+/-81.926 χ^2/NDF: 102.6/65

\- sign 21.500+/-115.652 χ^2/NDF: 33.2/33

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 447.806+/-0.092 χ^2/NDF:1436510.7/15

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

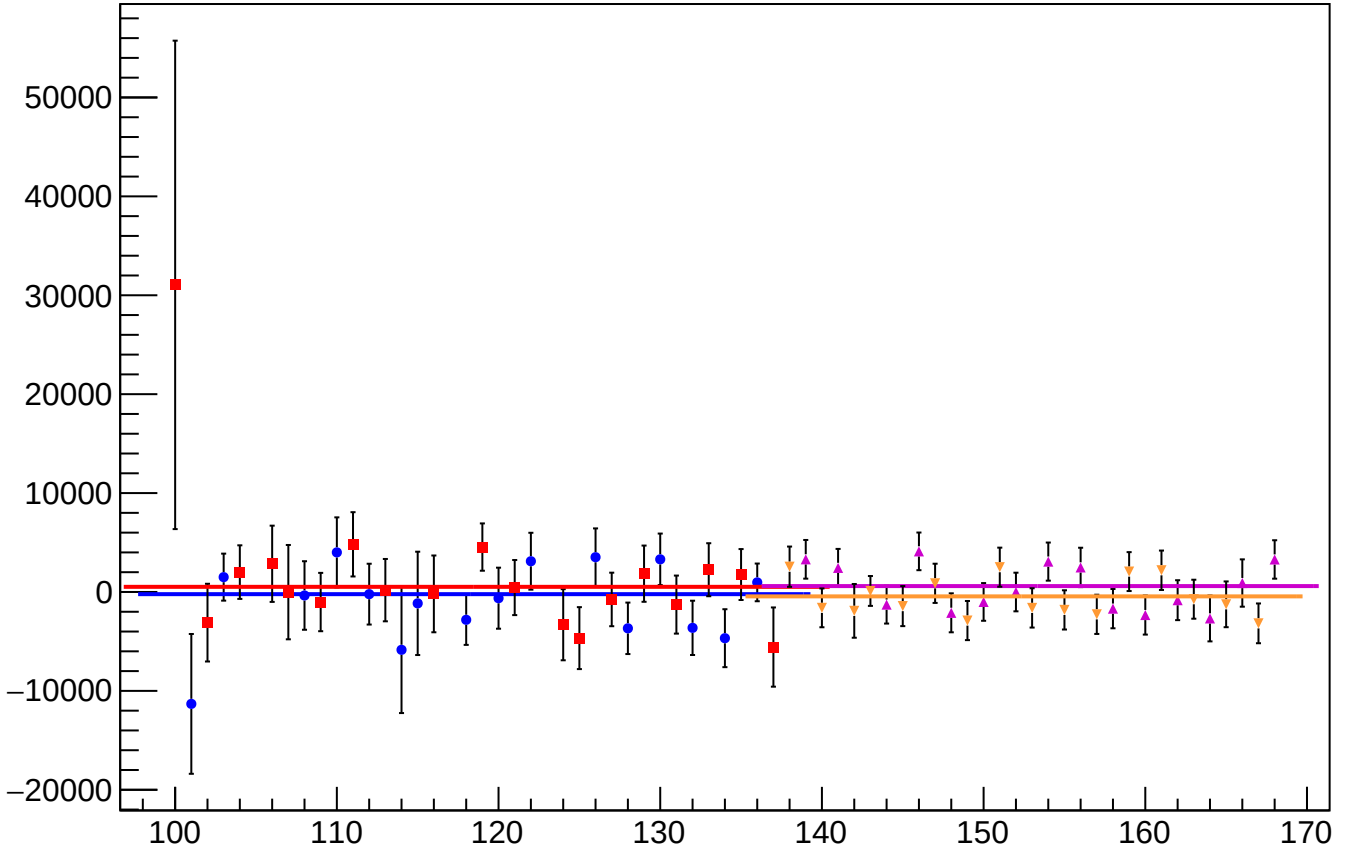
Left In: 444.745+/-0.090 χ^2/NDF:203377.4/14

+ sign 485.276+/-0.082 χ^2/NDF: 4482324.7/31

All: 484.920+/-0.058 χ^2/NDF: 8915782.1/65

- sign 484.567+/-0.082 χ^2/NDF: 4433420.0/33

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -444.361+/-496.961 χ^2/NDF:14.4/15

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

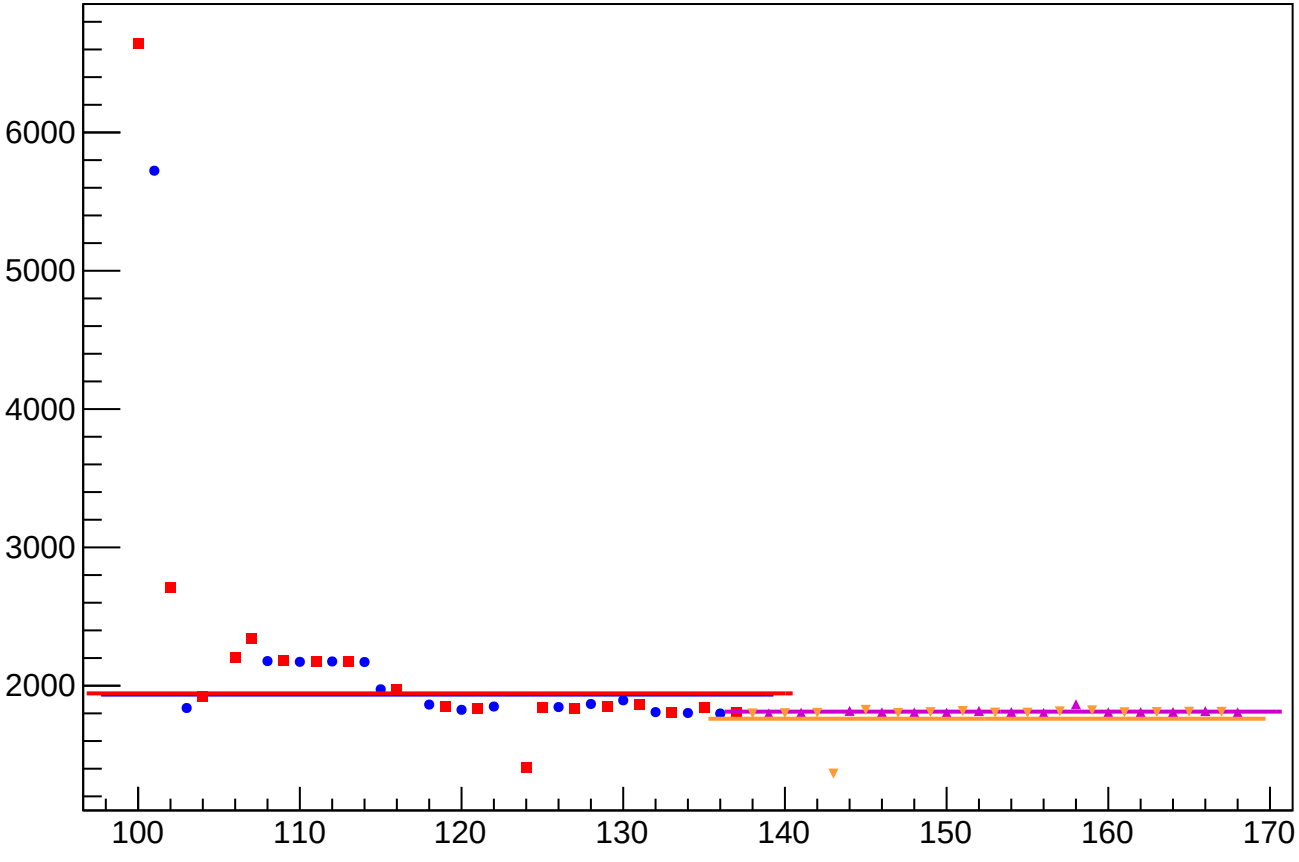
Left In: 596.171+/-514.471 χ^2/NDF:20.3/14

+ sign -374.211+/-411.844 χ^2/NDF: 31.6/31

All: 89.496+/-293.909 χ^2/NDF: 70.1/65

- sign 570.749+/-419.563 χ^2/NDF: 36.0/33

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1761.360+/-0.351 χ^2/NDF:155524.1/15

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

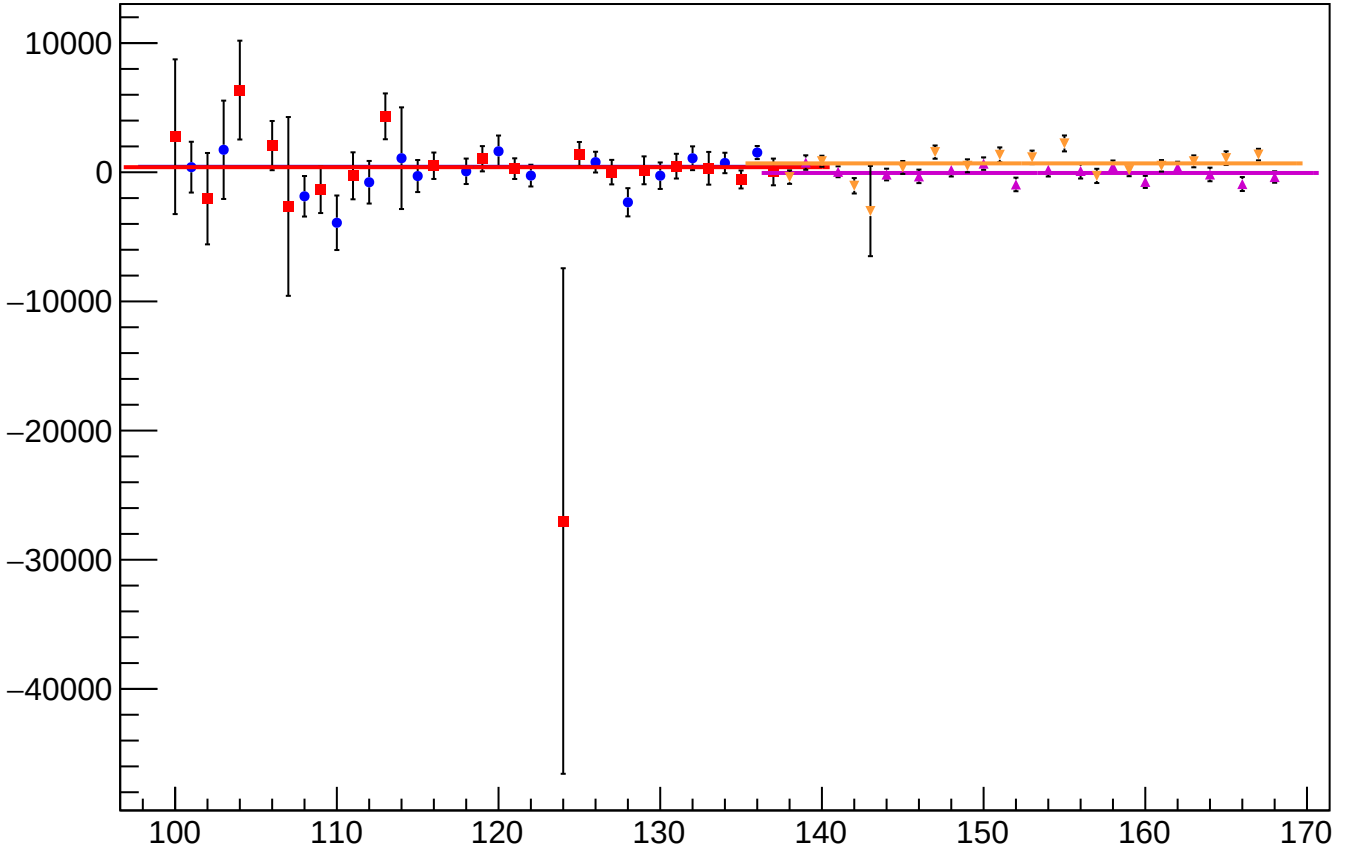
Left In: 1812.546+/-0.364 χ^2/NDF:1746.9/14

+ sign 1816.051+/-0.291 χ^2/NDF: 872669.4/31

All: 1836.017+/-0.208 χ^2/NDF: 1204280.5/65

- sign 1856.738+/-0.297 χ^2/NDF: 322032.5/33

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 687.148+/-130.129 χ^2/NDF:33.1/15

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

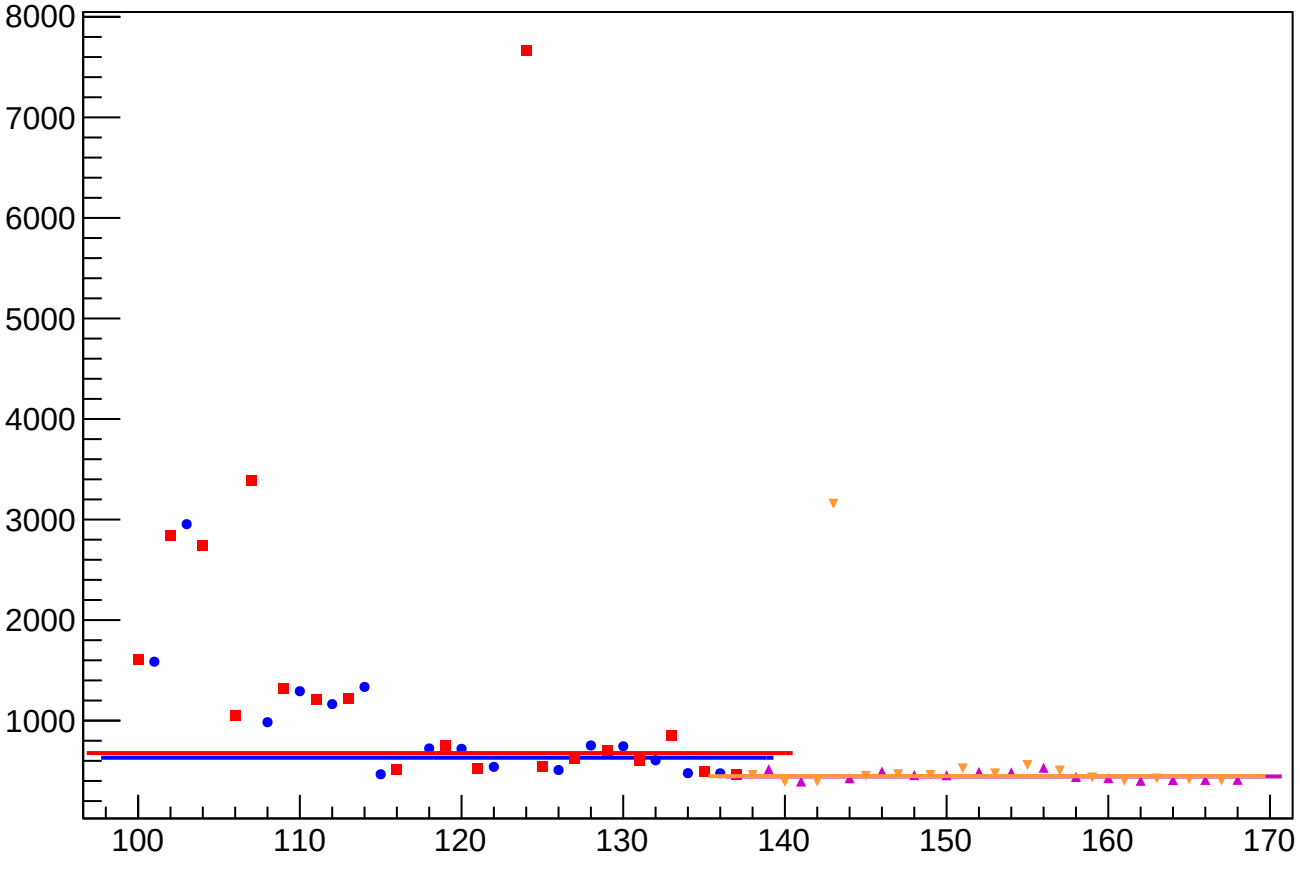
Left In: -55.329+/-127.032 χ^2/NDF:15.2/14

+ sign 632.782+/-116.072 χ^2/NDF: 55.5/31

All: 326.031+/-81.926 χ^2/NDF: 102.6/65

- sign 21.499+/-115.652 χ^2/NDF: 33.2/33

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 447.806+/-0.092 χ^2/NDF:1436512.9/15

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

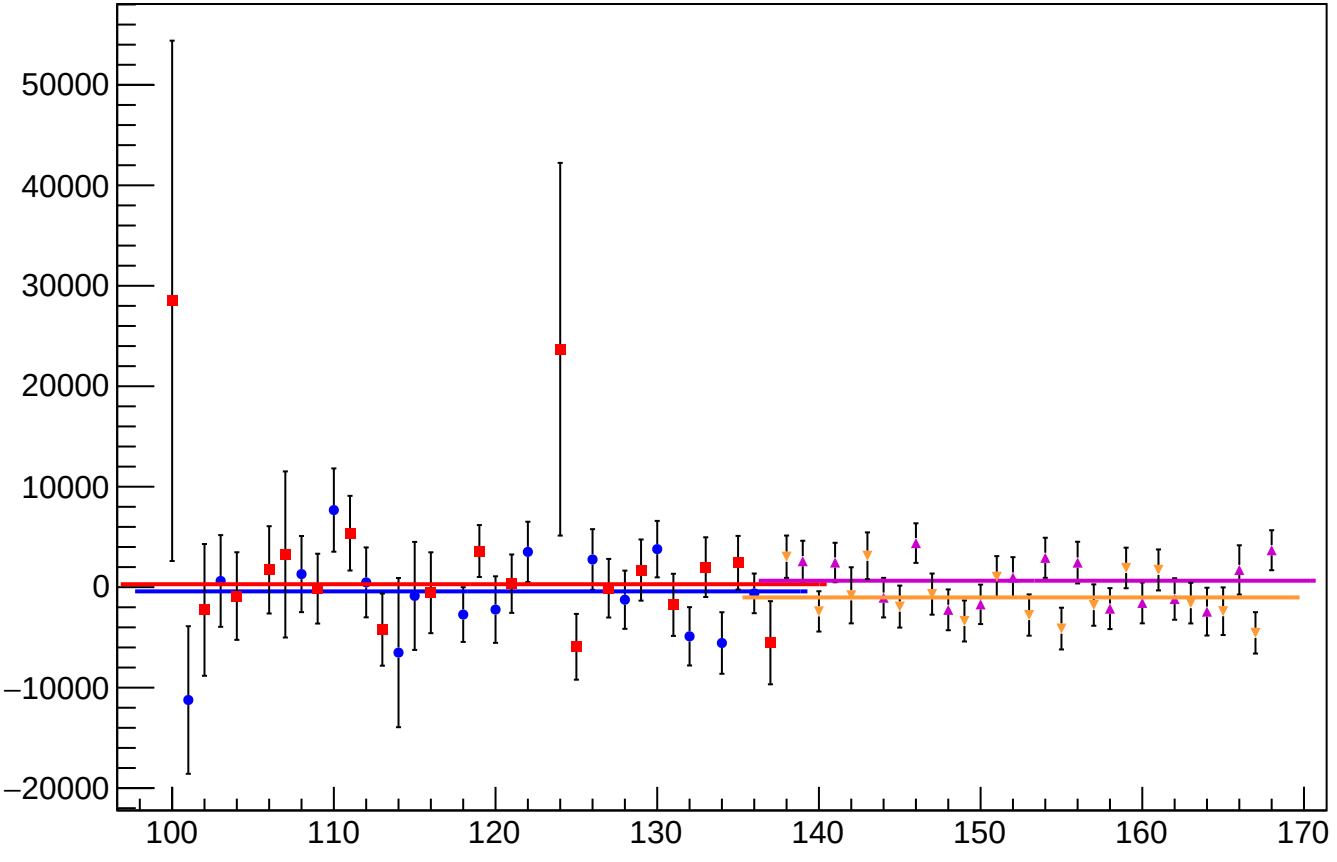
Left In: 444.745+/-0.090 χ^2/NDF:203380.2/14

+ sign 485.276+/-0.082 χ^2/NDF: 4482327.6/31

All: 484.920+/-0.058 χ^2/NDF: 8915789.0/65

- sign 484.567+/-0.082 χ^2/NDF: 4433424.0/33

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1020.386+/-528.695 χ^2/NDF:20.2/15

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

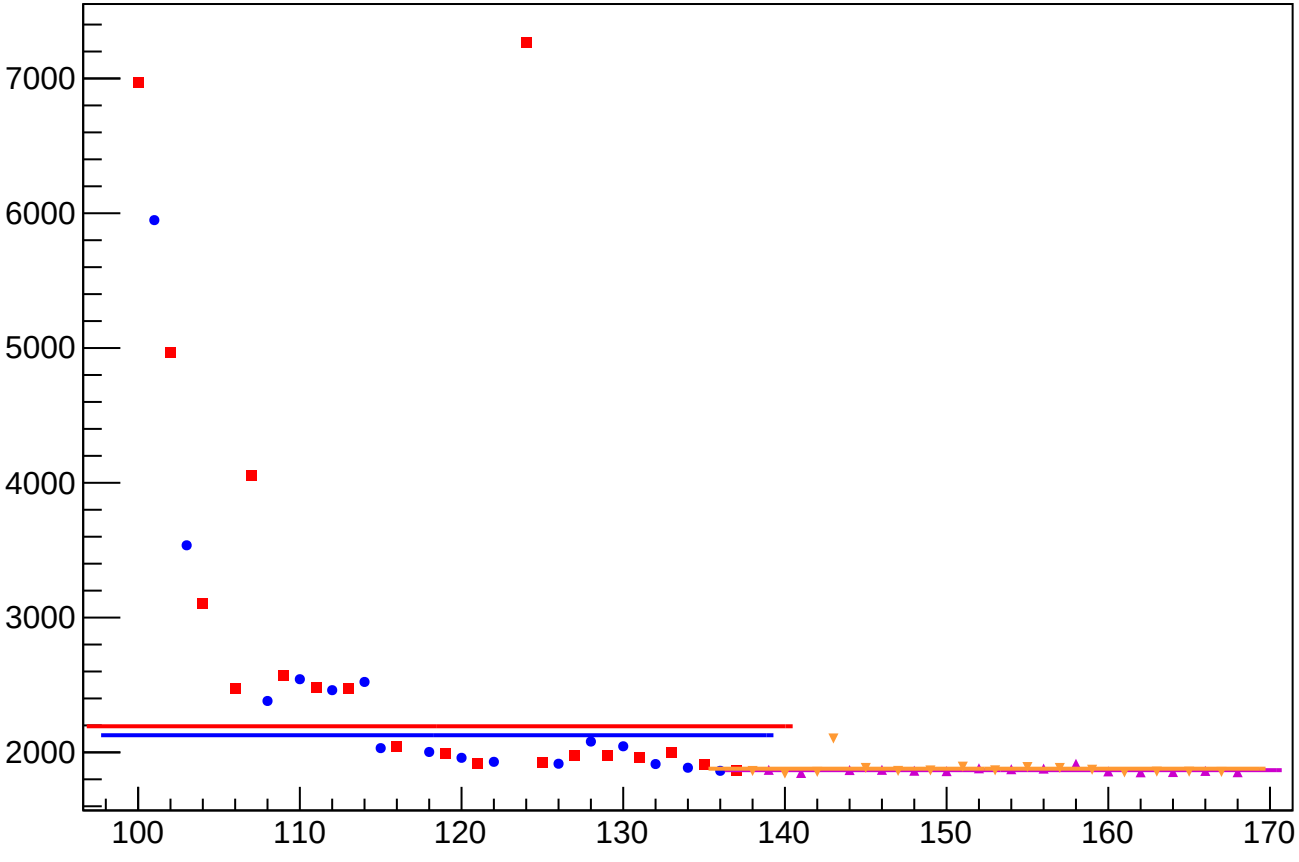
Left In: 643.811+/-530.182 χ^2/NDF:19.7/14

+ sign -841.985+/-443.603 χ^2/NDF: 39.0/31

All: -154.927+/-314.888 χ^2/NDF: 79.2/65

- sign 542.870+/-447.056 χ^2/NDF: 35.4/33

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1878.860+/-0.374 χ^2/NDF:21050.5/15

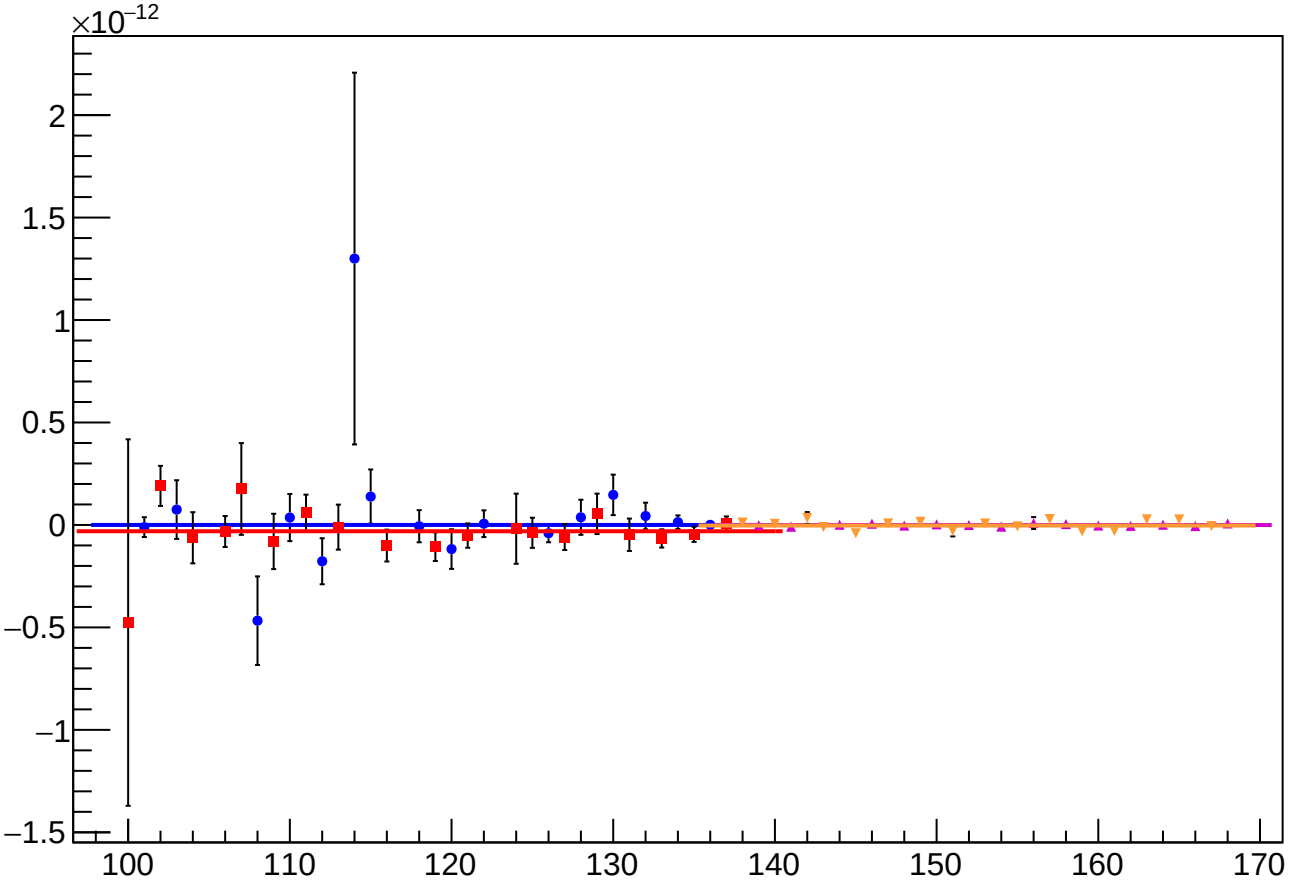
Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1867.878+/-0.375 χ^2/NDF:1865.3/14

+ sign 1952.319+/-0.314 χ^2/NDF: 1026576.8/31

All: 1957.121+/-0.223 χ^2/NDF: 2189595.1/65

- sign 1961.998+/-0.316 χ^2/NDF: 1162546.1/33



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

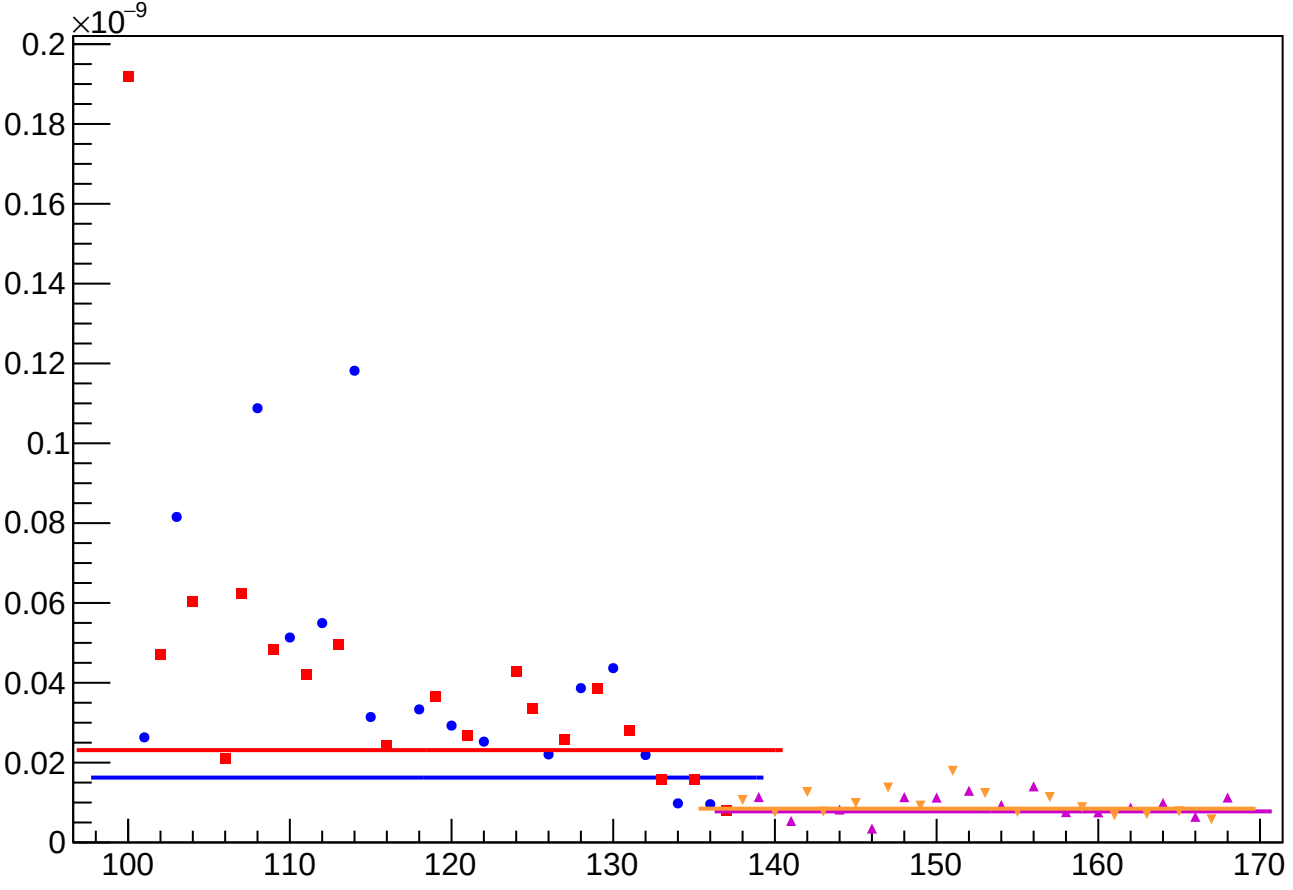
Left In: -0.000+/-0.000 χ^2/NDF:1.8/14

+ sign -0.000+/-0.000 χ^2/NDF: 43.8/31

All: -0.000+/-0.000 χ^2/NDF: 61.5/65

- sign -0.000+/-0.000 χ^2/NDF: 17.7/33

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:741127.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

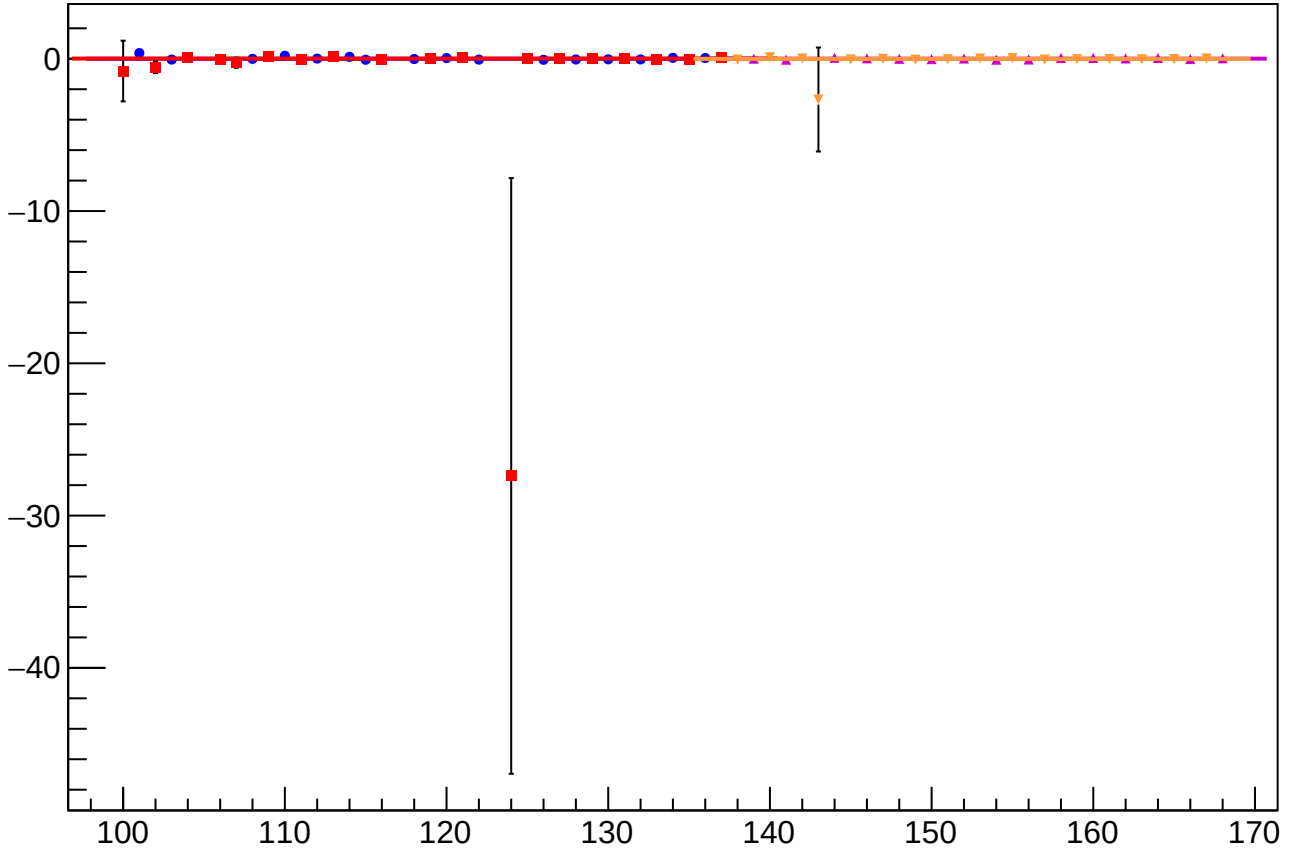
Left In: 0.000+/-0.000 χ^2/NDF:979261.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 3797346.3/31

All: 0.000+/-0.000 χ^2/NDF: 7995355.0/65

- sign 0.000+/-0.000 χ^2/NDF: 4177190.3/33

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.010 χ^2/NDF:17.2/15

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

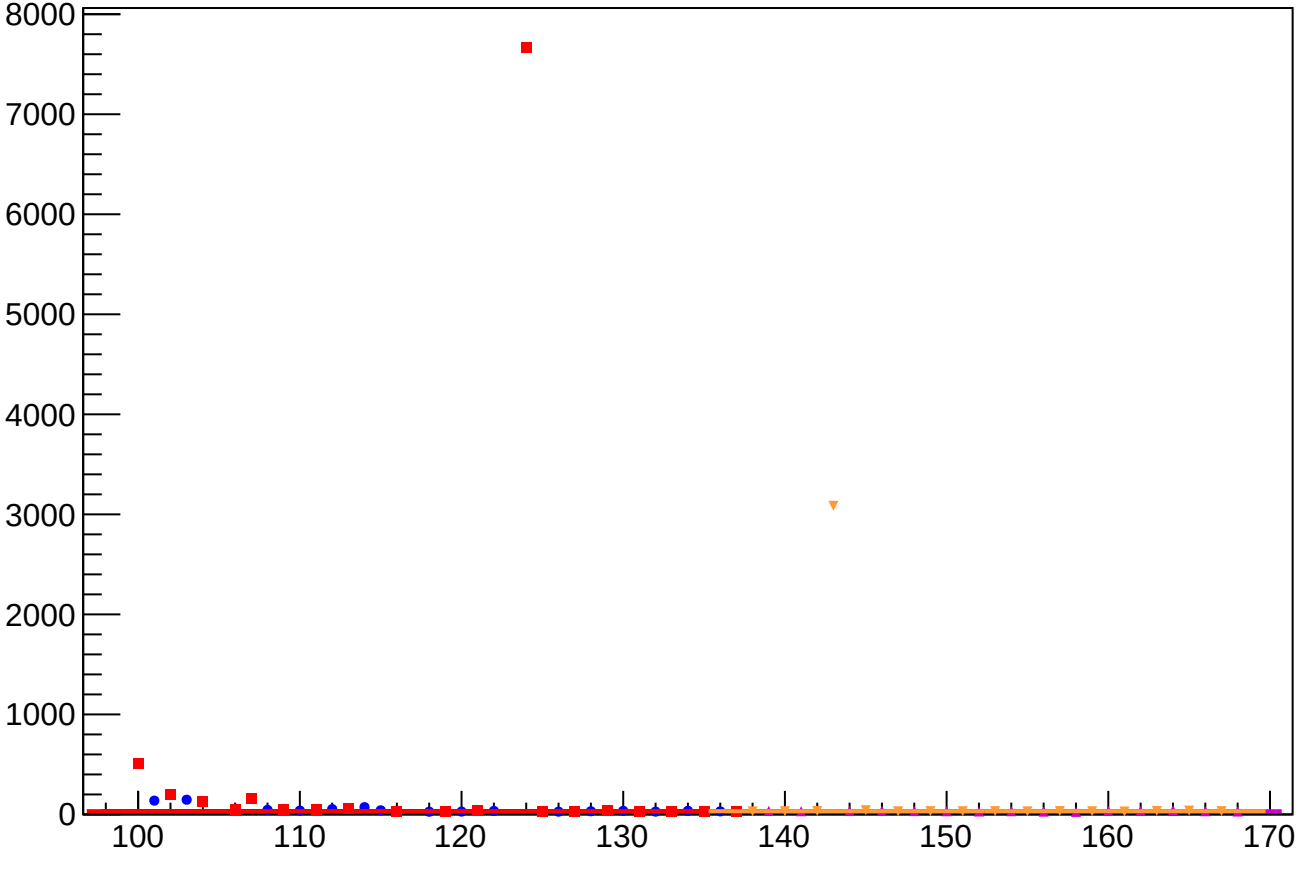
Left In: 0.007+/-0.010 χ^2/NDF:17.0/14

+ sign -0.006+/-0.008 χ^2/NDF: 38.6/31

All: 0.001+/-0.006 χ^2/NDF: 71.5/65

- sign 0.009+/-0.008 χ^2/NDF: 31.3/33

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.561+/-0.007 χ^2/NDF:1750053.5/15

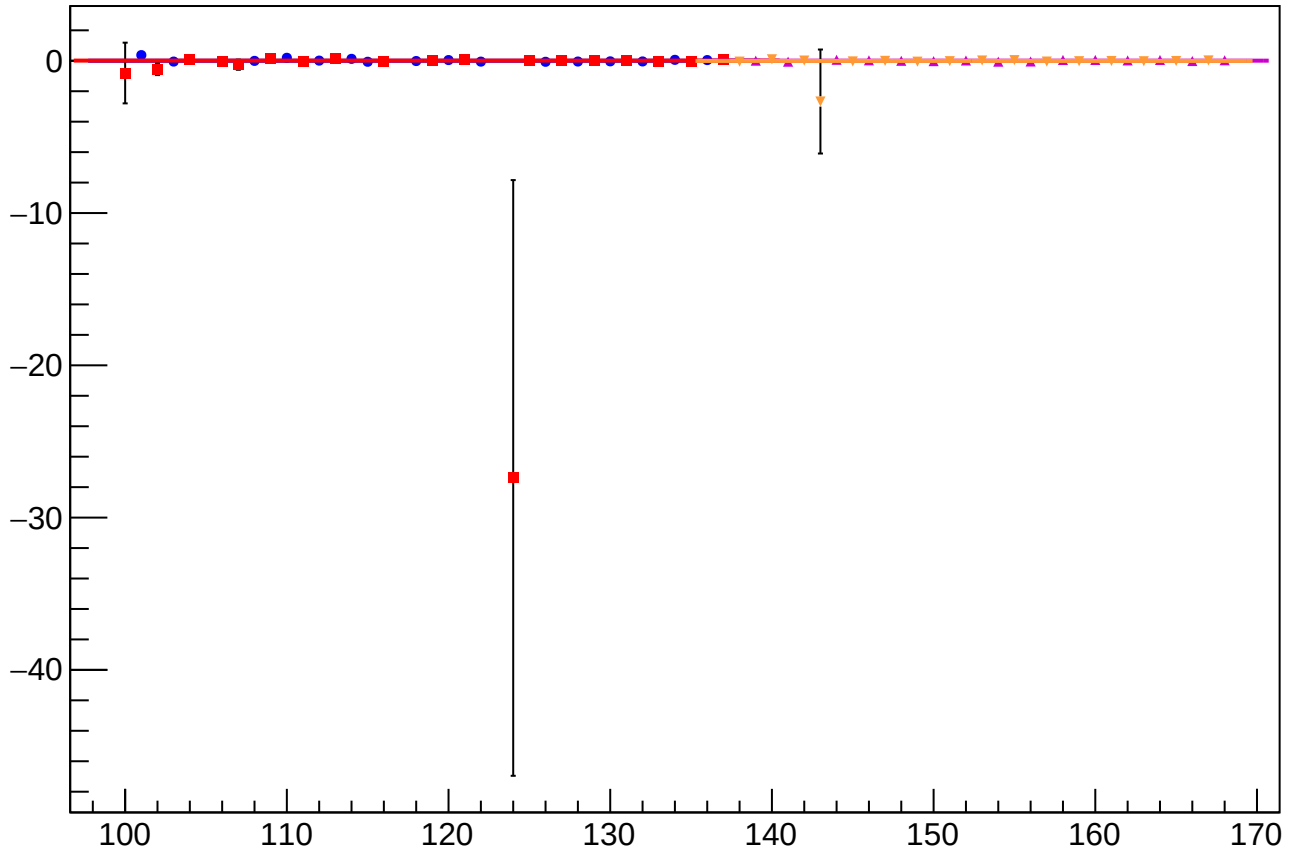
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.365+/-0.007 χ^2/NDF:264861.5/14

\+ sign 33.047+/-0.006 χ^2/NDF: 3481169.2/31

All: 32.816+/-0.004 χ^2/NDF: 5827342.2/65

\- sign 32.590+/-0.006 χ^2/NDF: 2343194.8/33



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.010 χ^2/NDF:17.2/15

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

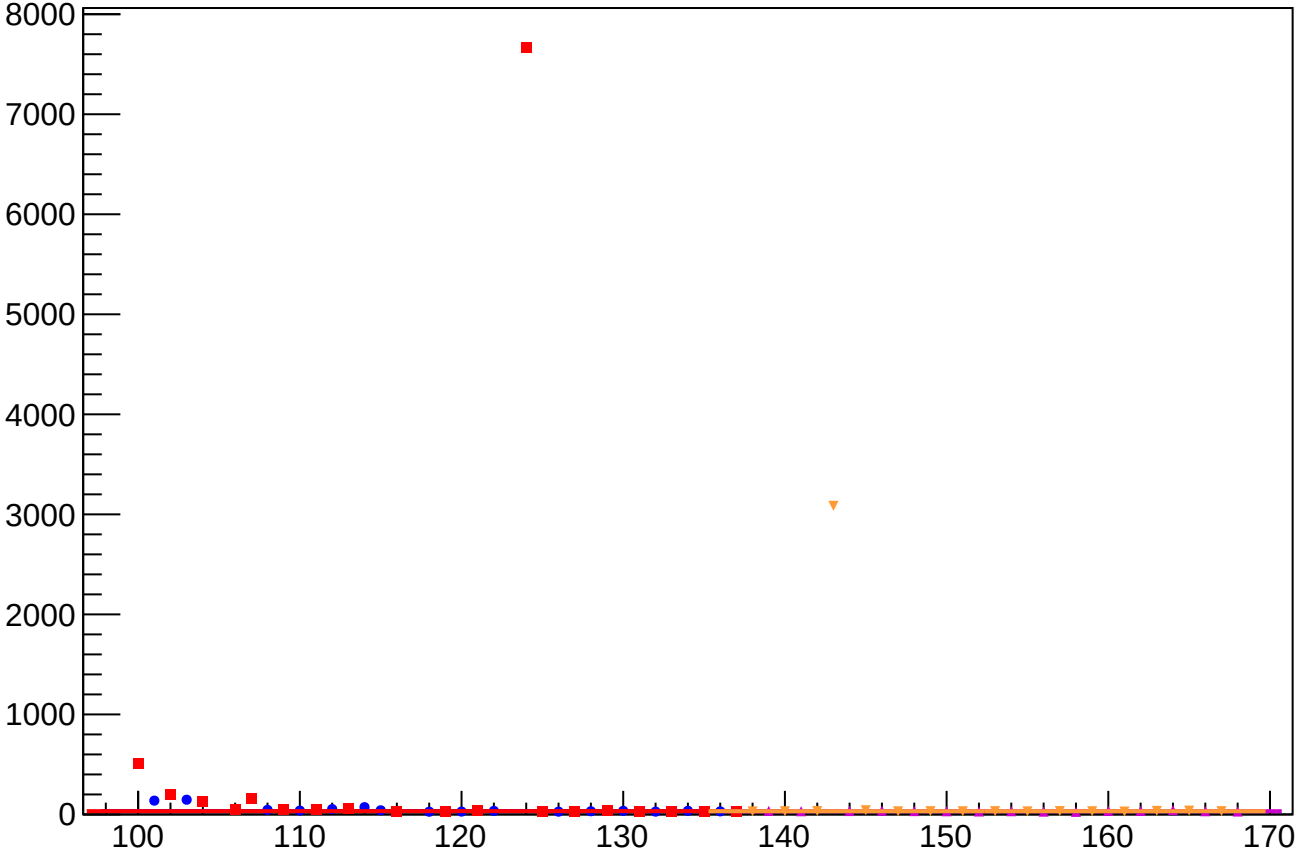
Left In: 0.007+/-0.010 χ^2/NDF:17.0/14

+ sign -0.006+/-0.008 χ^2/NDF: 38.6/31

All: 0.001+/-0.006 χ^2/NDF: 71.5/65

- sign 0.009+/-0.008 χ^2/NDF: 31.3/33

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: 32.561+/-0.007 χ^2/NDF:1750053.5/15

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

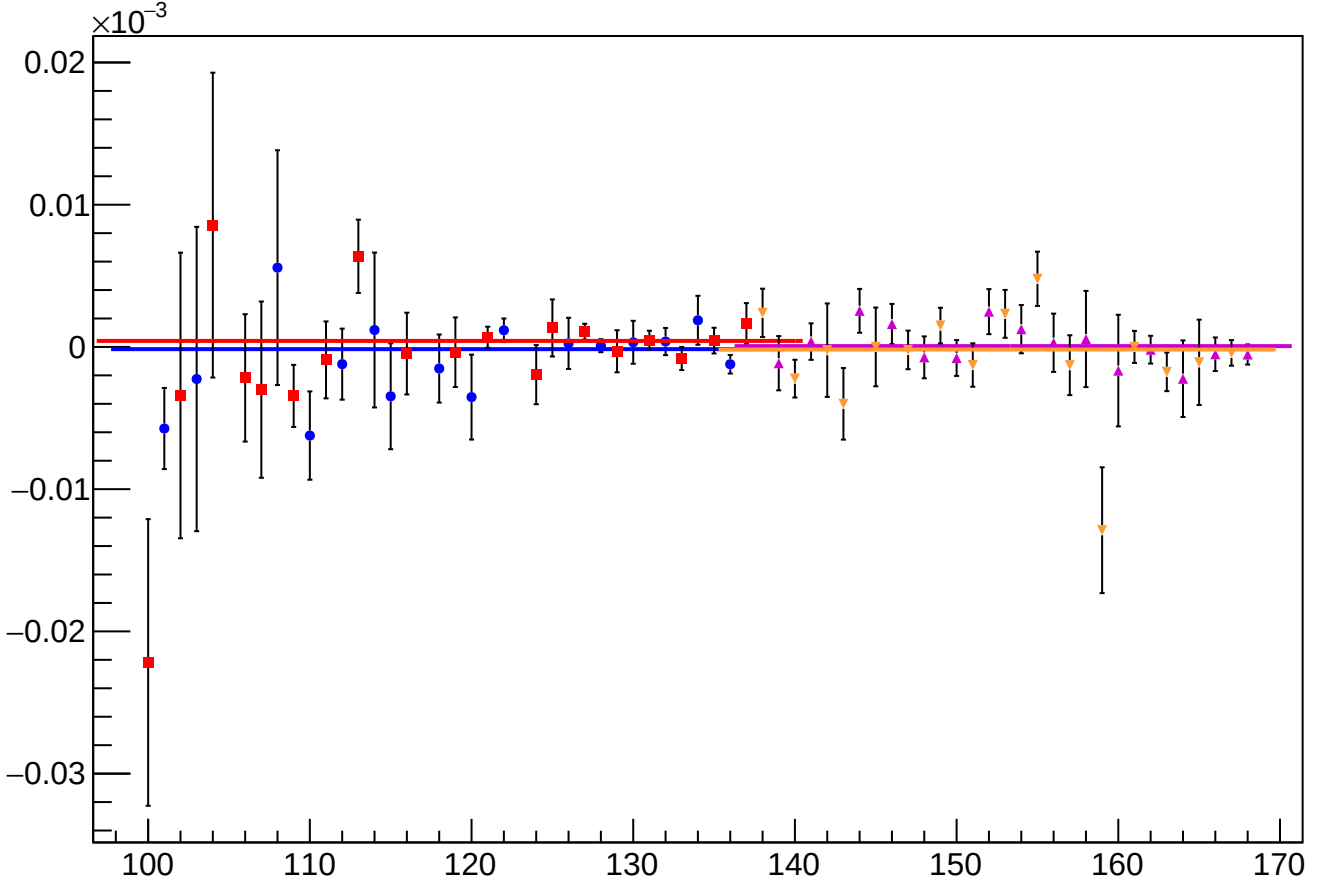
Left In: 32.365+/-0.007 χ^2/NDF:264861.5/14

\+ sign 33.047+/-0.006 χ^2/NDF: 3481169.2/31

All: 32.816+/-0.004 χ^2/NDF: 5827342.2/65

\- sign 32.590+/-0.006 χ^2/NDF: 2343194.8/33

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.3/15

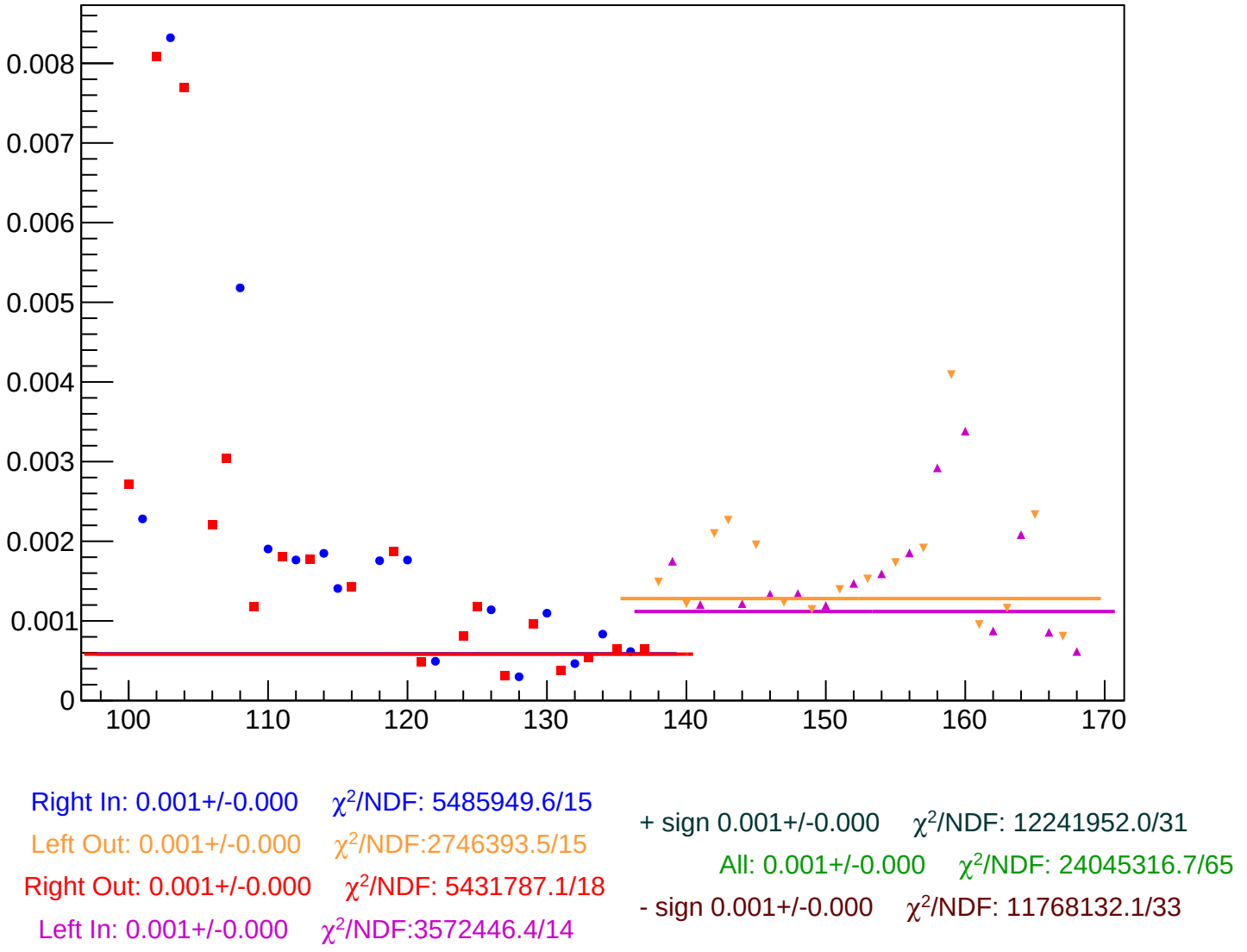
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

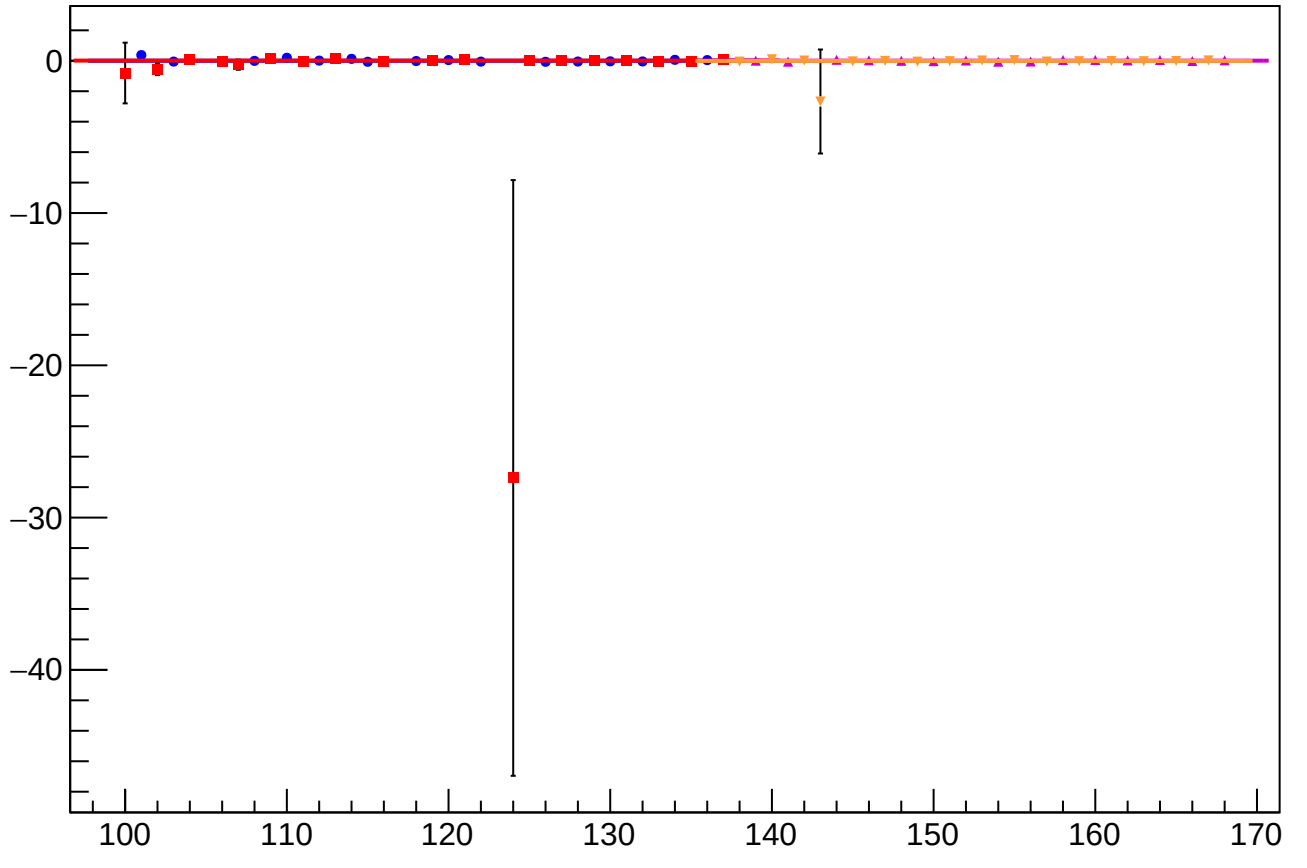
Left In: 0.000+/-0.000 χ^2/NDF:9.8/14

+ sign -0.000+/-0.000 χ^2/NDF: 46.5/31

All: 0.000+/-0.000 χ^2/NDF: 80.4/65

- sign 0.000+/-0.000 χ^2/NDF: 32.0/33


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:2746393.5/15
Right Out: 0.001+/-0.000 χ²/NDF: 5431787.1/18
Left In: 0.001+/-0.000 χ²/NDF:3572446.4/14
+ sign 0.001+/-0.000 χ²/NDF: 12241952.0/31
All: 0.001+/-0.000 χ²/NDF: 24045316.7/65
- sign 0.001+/-0.000 χ²/NDF: 11768132.1/33



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.010 χ^2/NDF:17.2/15

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

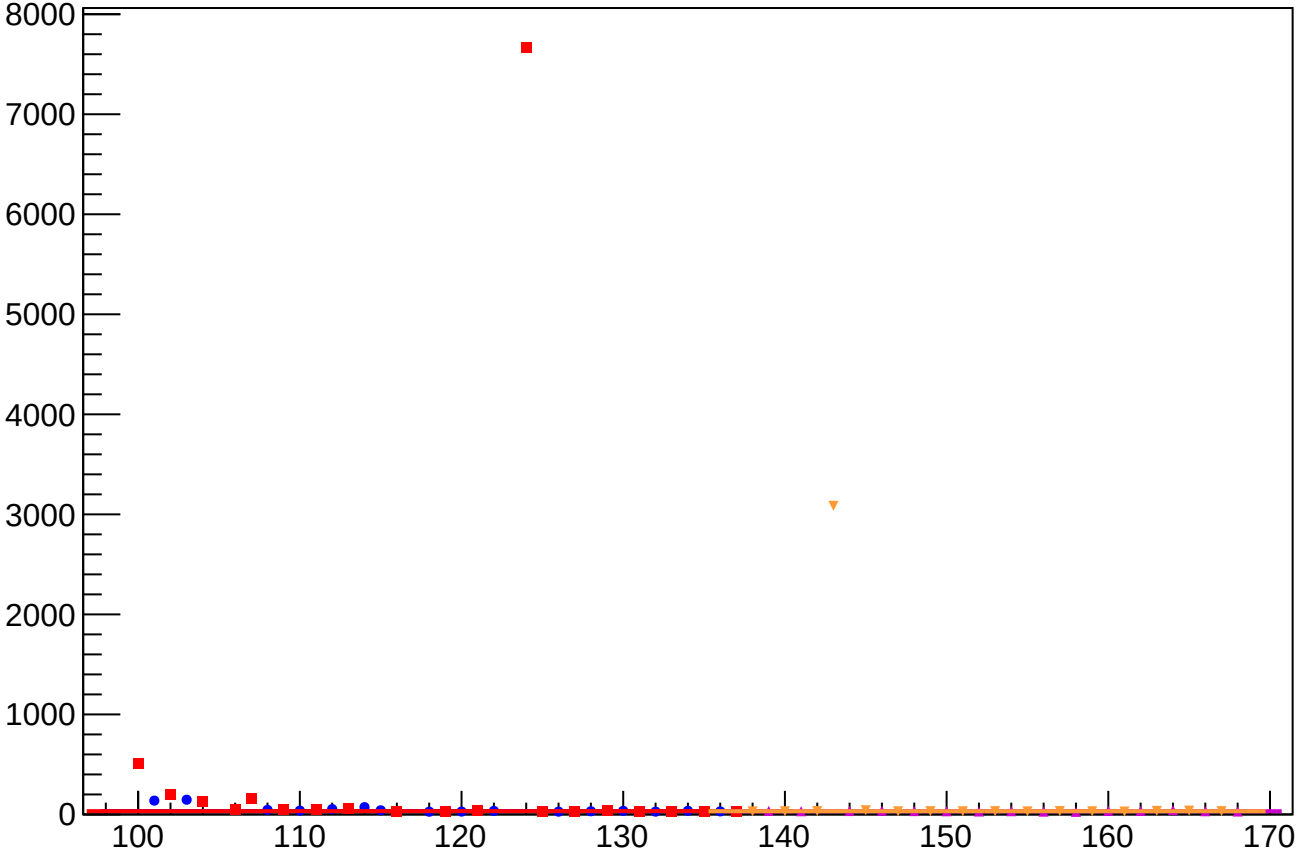
Left In: 0.007+/-0.010 χ^2/NDF:17.0/14

+ sign -0.006+/-0.008 χ^2/NDF: 38.6/31

All: 0.001+/-0.006 χ^2/NDF: 71.5/65

- sign 0.009+/-0.008 χ^2/NDF: 31.3/33

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: 32.561+/-0.007 χ^2/NDF:1750048.1/15

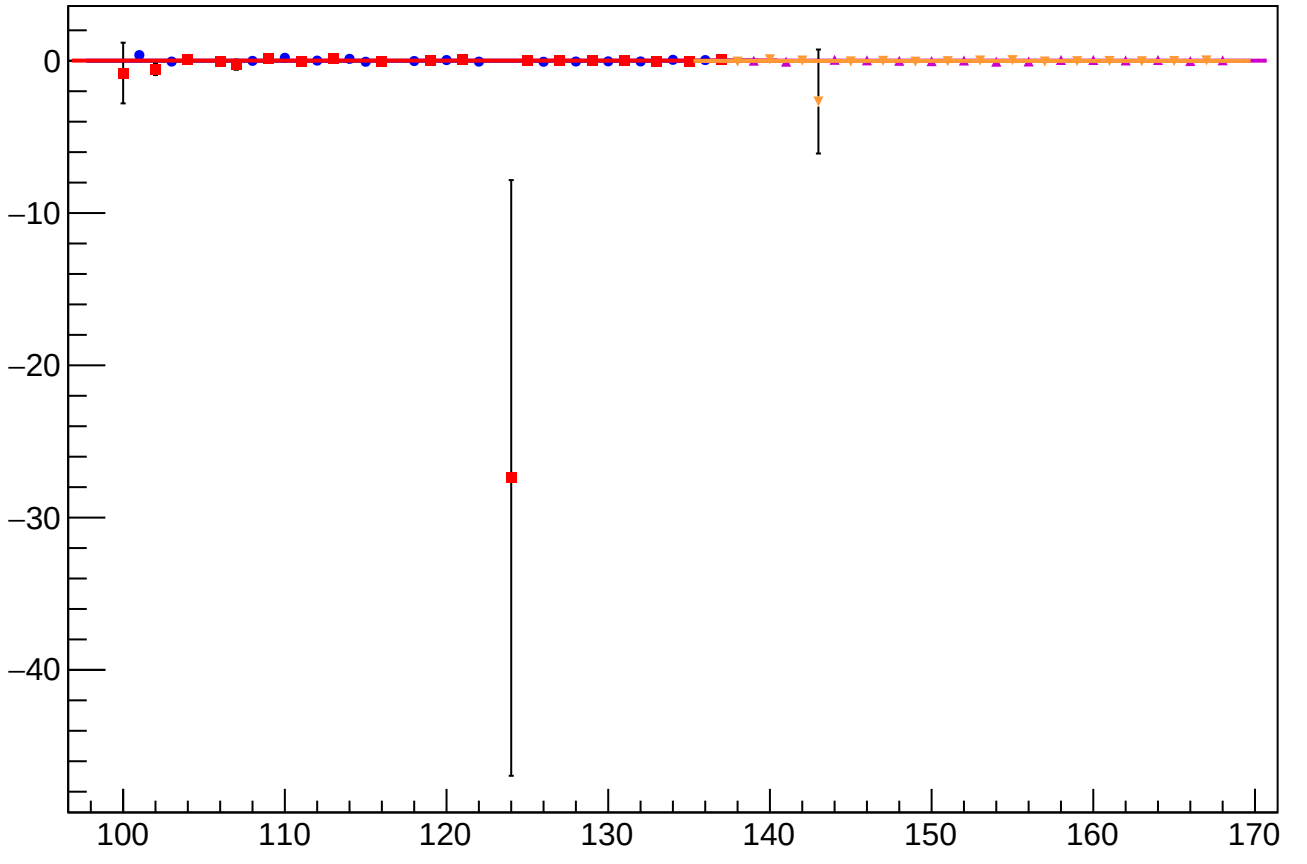
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.366+/-0.007 χ^2/NDF:264784.4/14

+ sign 33.047+/-0.006 χ^2/NDF: 3481151.9/31

All: 32.816+/-0.004 χ^2/NDF: 5827223.9/65

- sign 32.590+/-0.006 χ^2/NDF: 2343095.7/33



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.010 χ^2/NDF:17.2/15

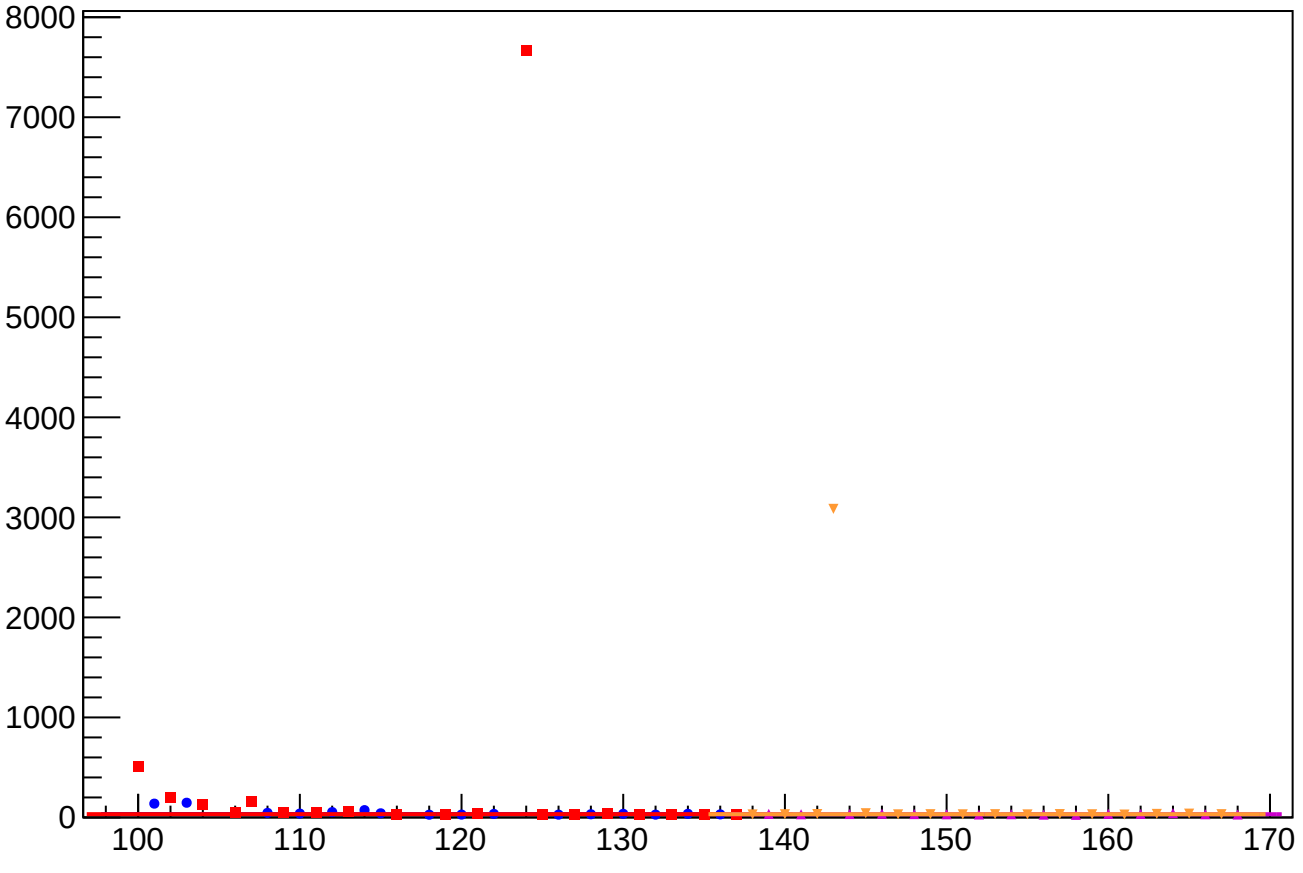
Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.010 χ^2/NDF:17.0/14

+ sign -0.006+/-0.008 χ^2/NDF: 38.6/31

All: 0.001+/-0.006 χ^2/NDF: 71.5/65

- sign 0.009+/-0.008 χ^2/NDF: 31.3/33



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.561+/-0.007 χ^2/NDF:1750048.1/15

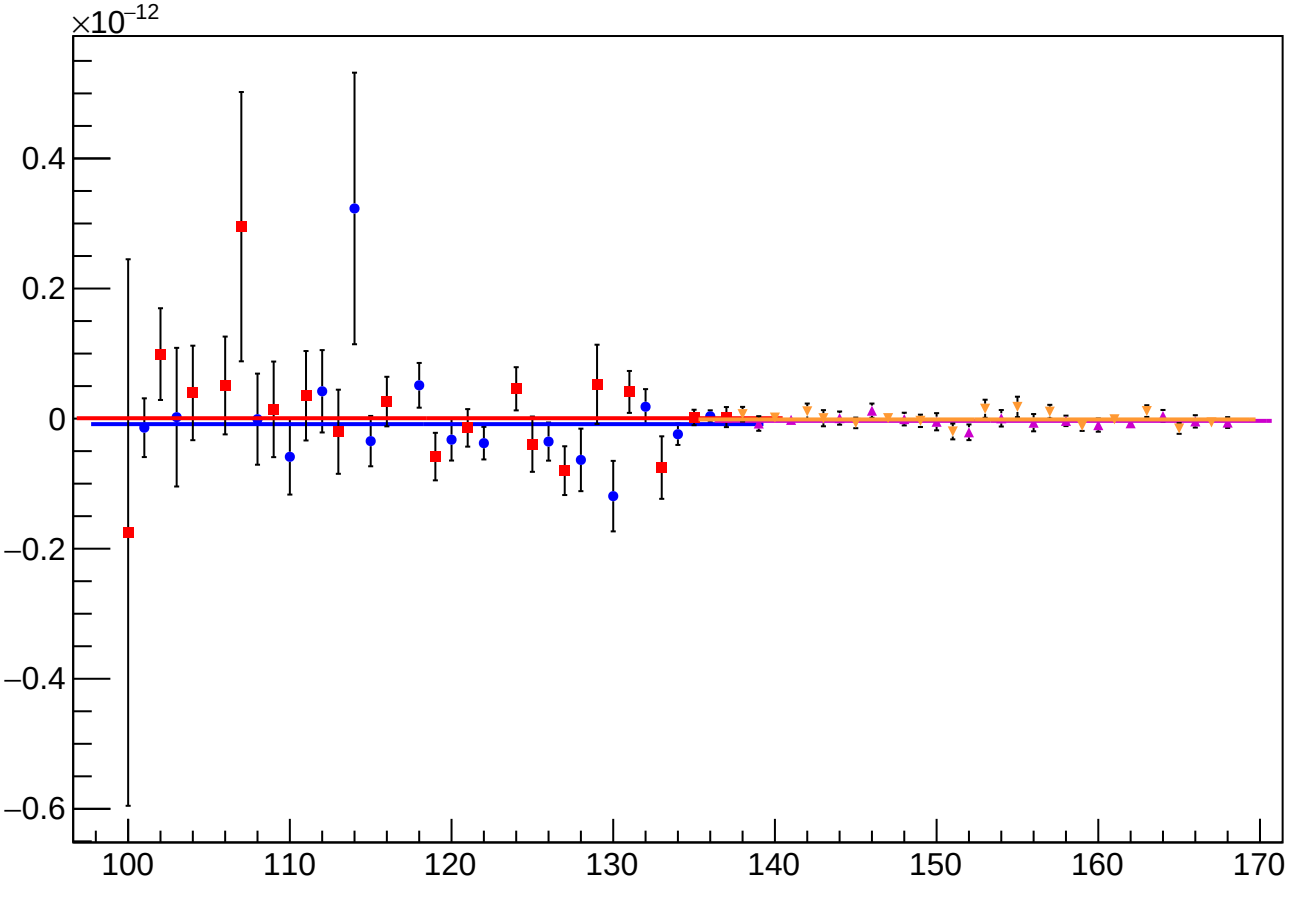
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

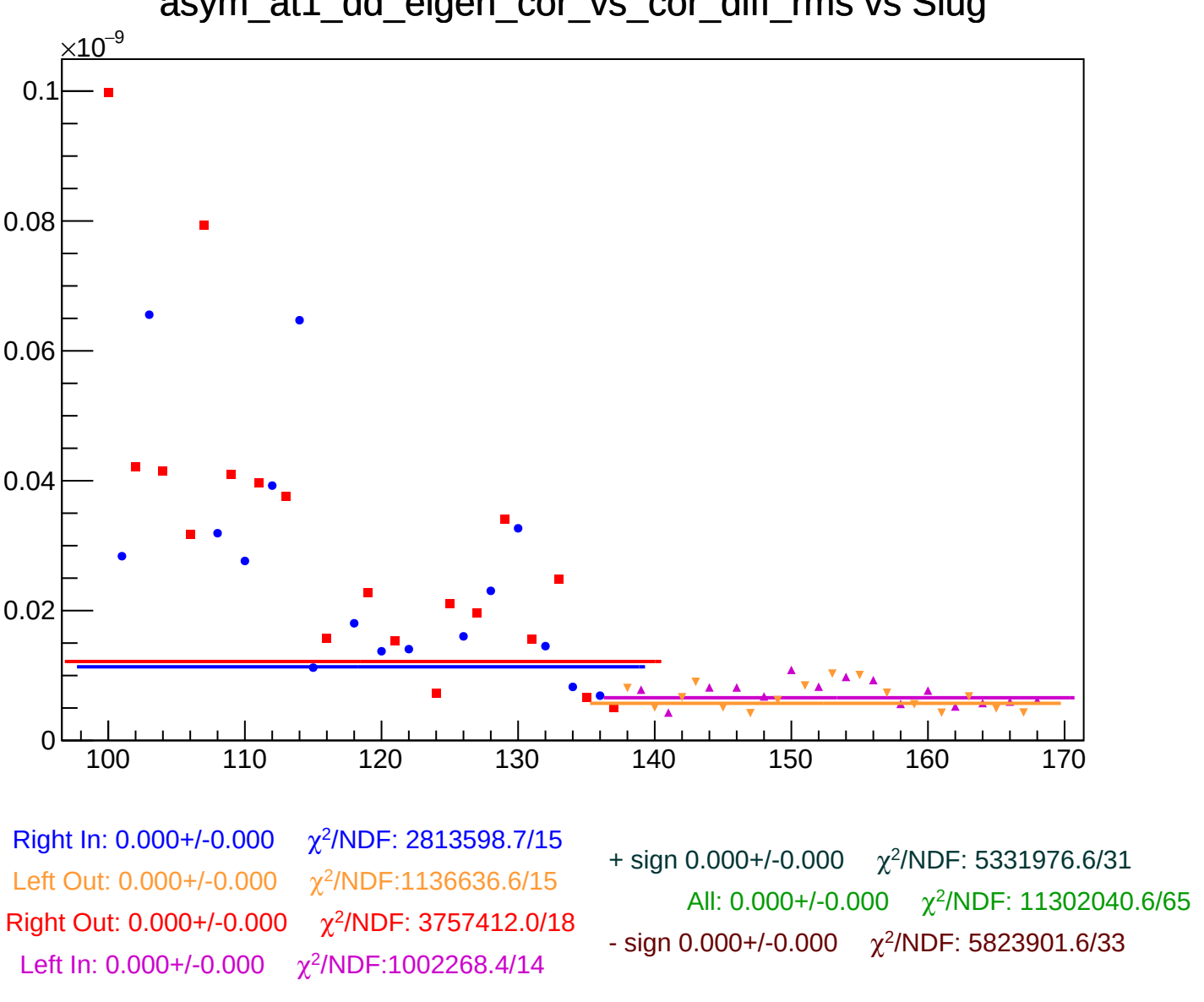
Left In: 32.366+/-0.007 χ^2/NDF:264784.4/14

+ sign 33.047+/-0.006 χ^2/NDF: 3481151.9/31

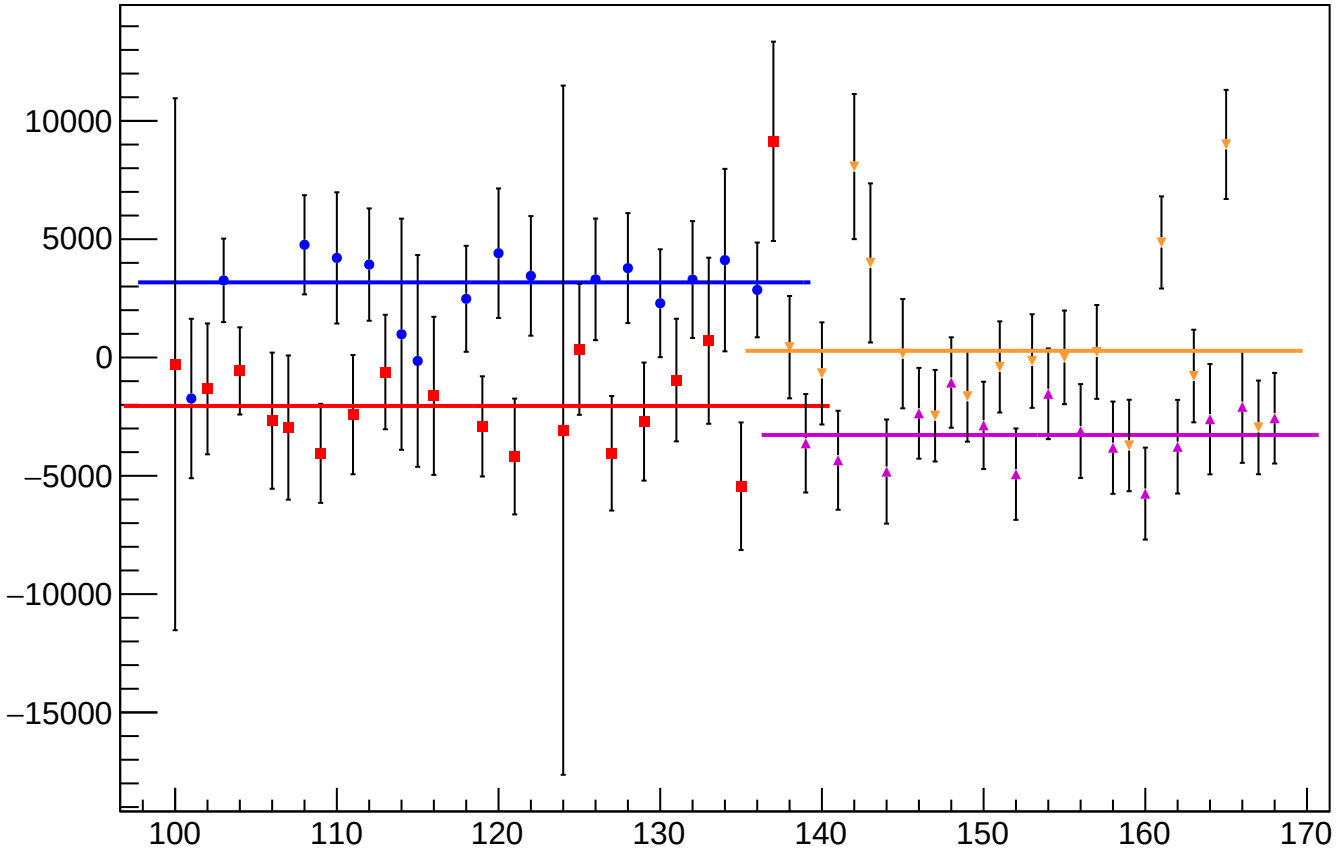
All: 32.816+/-0.004 χ^2/NDF: 5827223.9/65

- sign 32.590+/-0.006 χ^2/NDF: 2343095.7/33


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:15.8/15
Right Out: 0.000+/-0.000 χ²/NDF: 20.8/18
Left In: -0.000+/-0.000 χ²/NDF:6.2/14
+ sign -0.000+/-0.000 χ²/NDF: 36.2/31
All: -0.000+/-0.000 χ²/NDF: 63.6/65
- sign -0.000+/-0.000 χ²/NDF: 27.3/33


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:1136636.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 3757412.0/18
Left In: 0.000+/-0.000 χ²/NDF:1002268.4/14
+ sign 0.000+/-0.000 χ²/NDF: 5331976.6/31
All: 0.000+/-0.000 χ²/NDF: 11302040.6/65
- sign 0.000+/-0.000 χ²/NDF: 5823901.6/33

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 283.062+/-525.485 χ^2/NDF:38.2/15

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

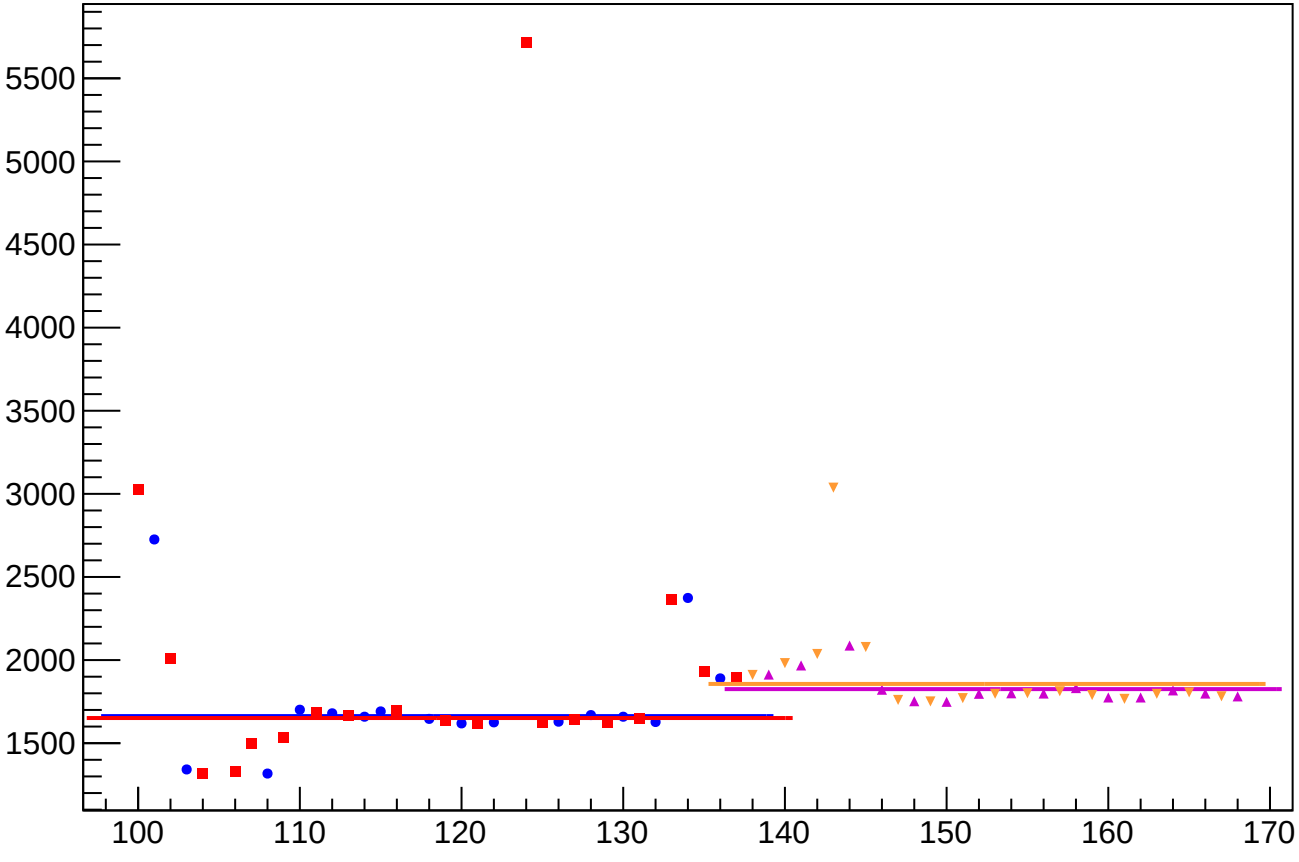
Left In: -3272.594+/-518.690 χ^2/NDF:6.2/14

+ sign 1474.292+/-403.007 χ^2/NDF: 55.0/31

All: -672.973+/-283.263 χ^2/NDF: 133.6/65

- sign -2769.580+/-398.225 χ^2/NDF: 22.5/33

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1856.449+/-0.372 χ^2/NDF:311751.5/15

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

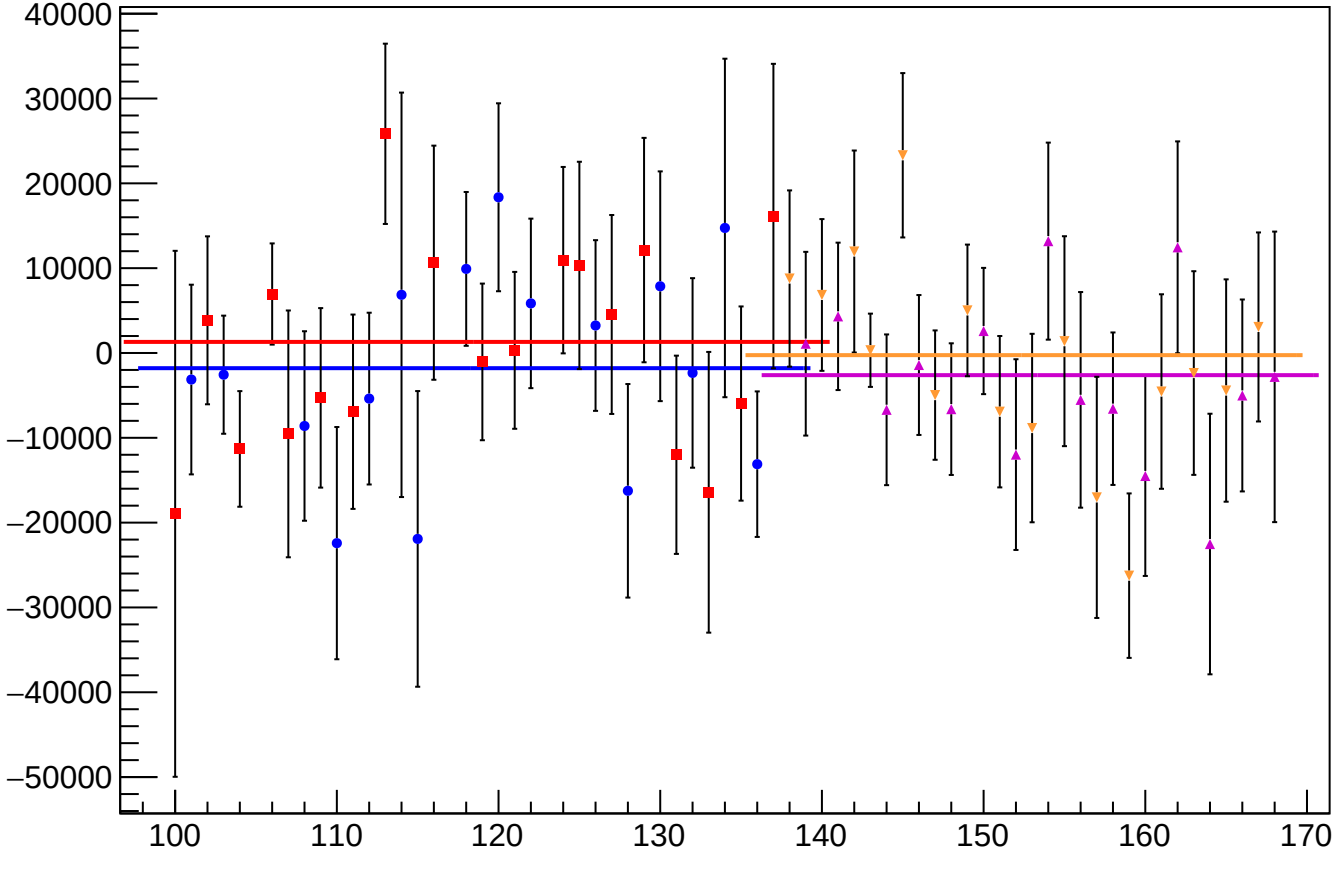
Left In: 1825.322+/-0.367 χ^2/NDF:52576.0/14

+ sign 1776.741+/-0.285 χ^2/NDF: 839120.6/31

All: 1765.176+/-0.200 χ^2/NDF: 1419320.1/65

- sign 1753.884+/-0.282 χ^2/NDF: 576944.5/33

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: -254.313+/-2246.792 χ^2/NDF:19.3/15

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

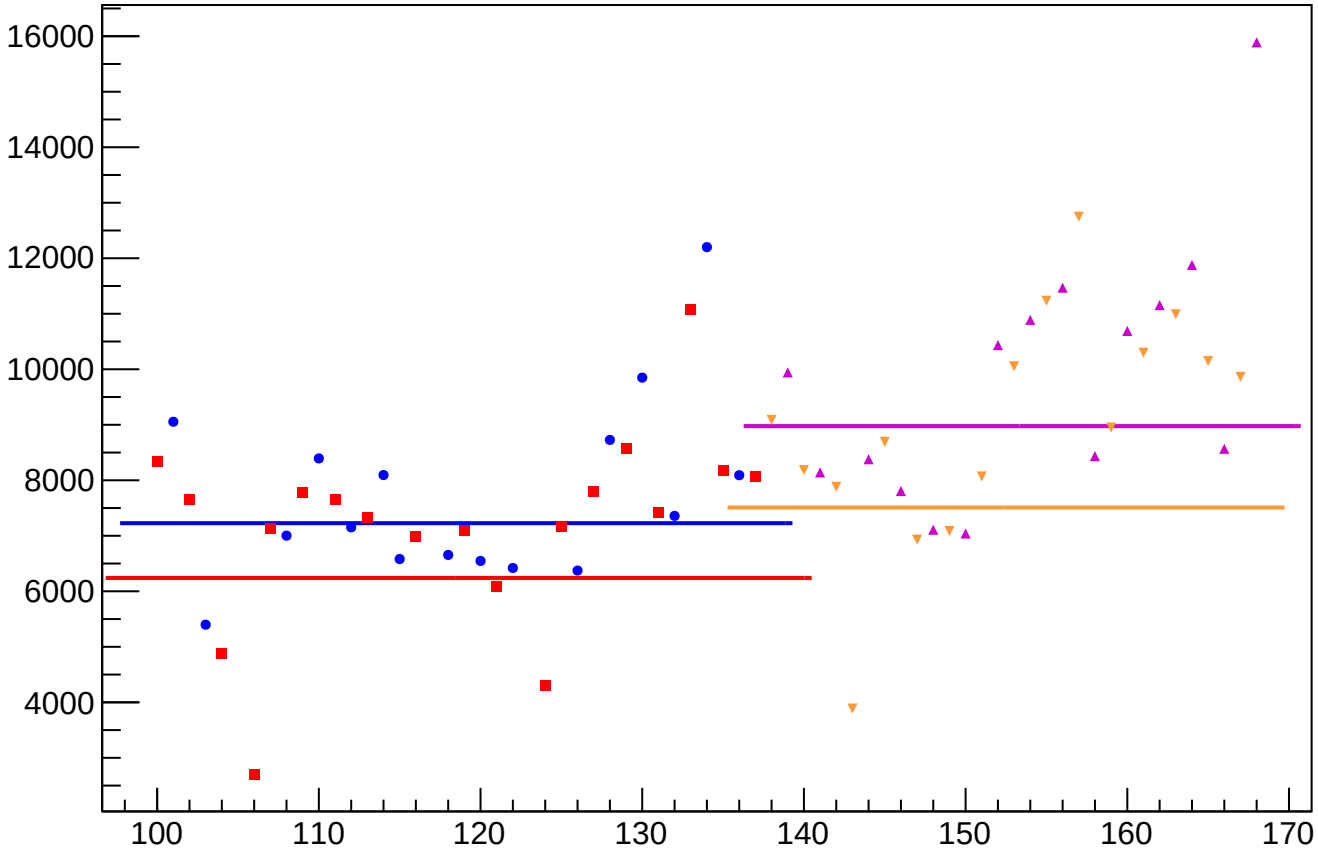
Left In: -2613.280+/-2610.369 χ^2/NDF:8.7/14

+ sign -871.184+/-1738.296 χ^2/NDF: 33.8/31

All: -696.422+/-1243.180 χ^2/NDF: 61.5/65

- sign -513.453+/-1778.644 χ^2/NDF: 27.7/33

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 7509.623+/-1.589 χ^2/NDF:2579578.3/15

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

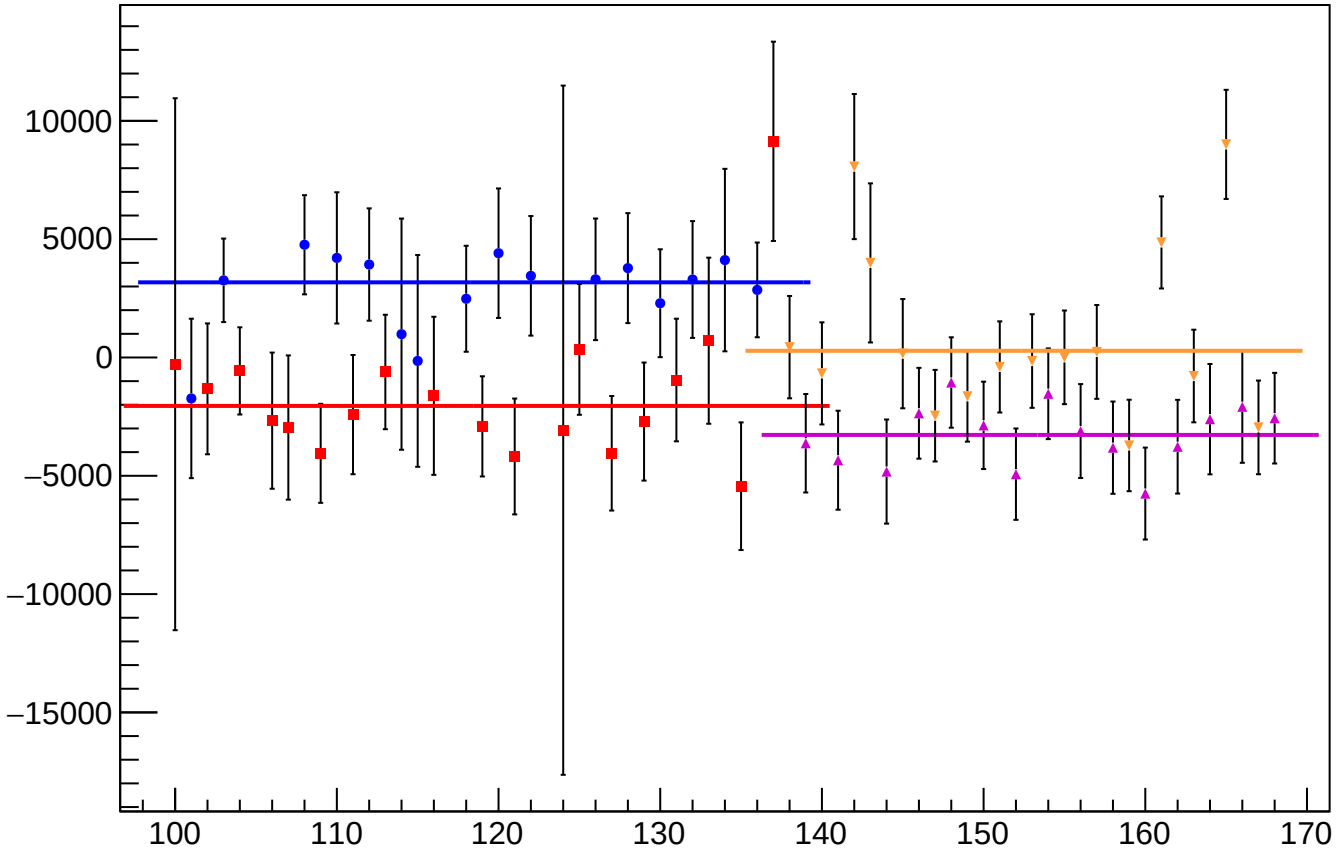
Left In: 8976.324+/-1.846 χ^2/NDF:1009891.1/14

+ sign 7396.409+/-1.229 χ^2/NDF: 3095489.6/31

All: 7452.245+/-0.879 χ^2/NDF: 6685548.5/65

- sign 7510.702+/-1.258 χ^2/NDF: 3585835.1/33

cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 282.964+/-525.485 χ^2/NDF:38.2/15

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

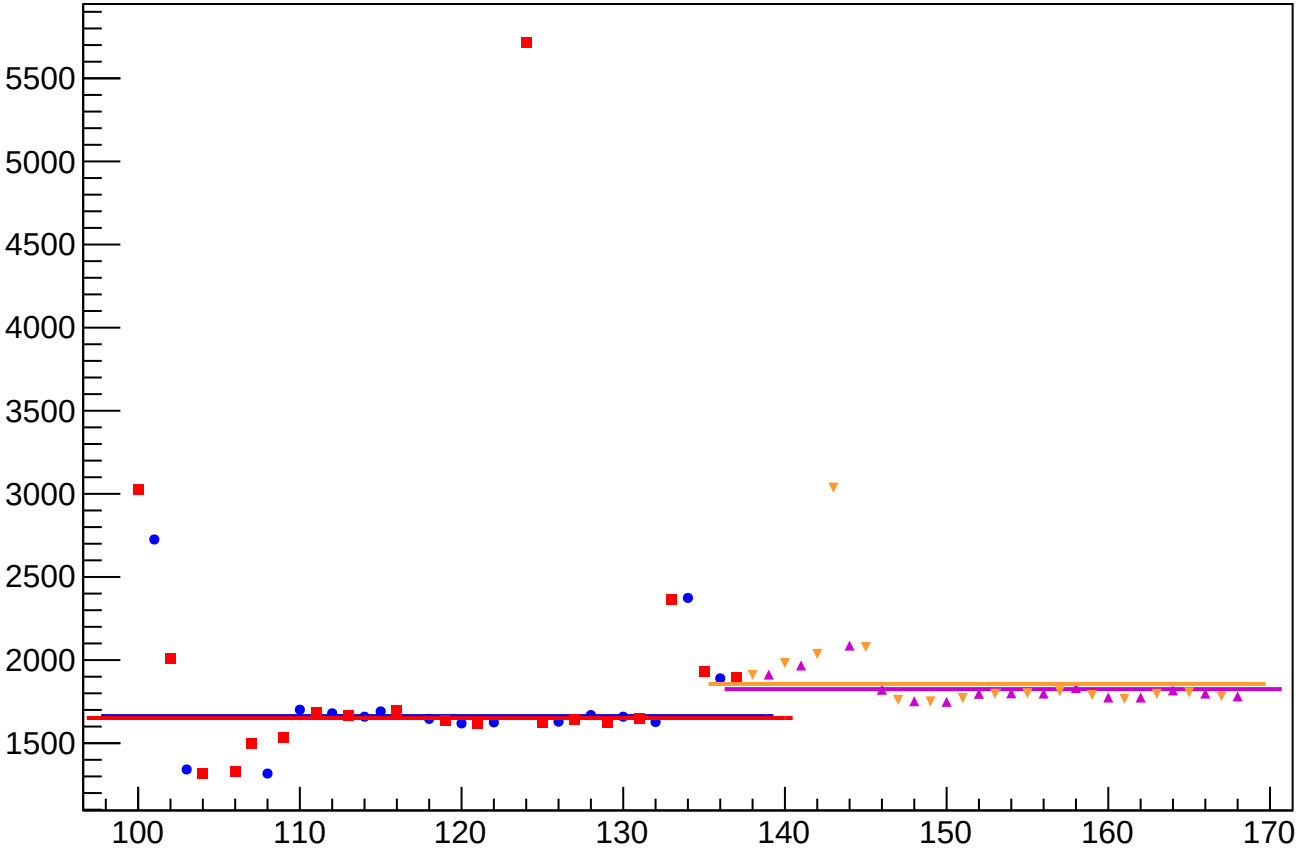
Left In: -3272.647+/-518.690 χ^2/NDF:6.2/14

+ sign 1474.272+/-403.007 χ^2/NDF: 55.0/31

All: -672.958+/-283.263 χ^2/NDF: 133.6/65

- sign -2769.531+/-398.225 χ^2/NDF: 22.5/33

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1856.449+/-0.372 χ^2/NDF:311751.5/15

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

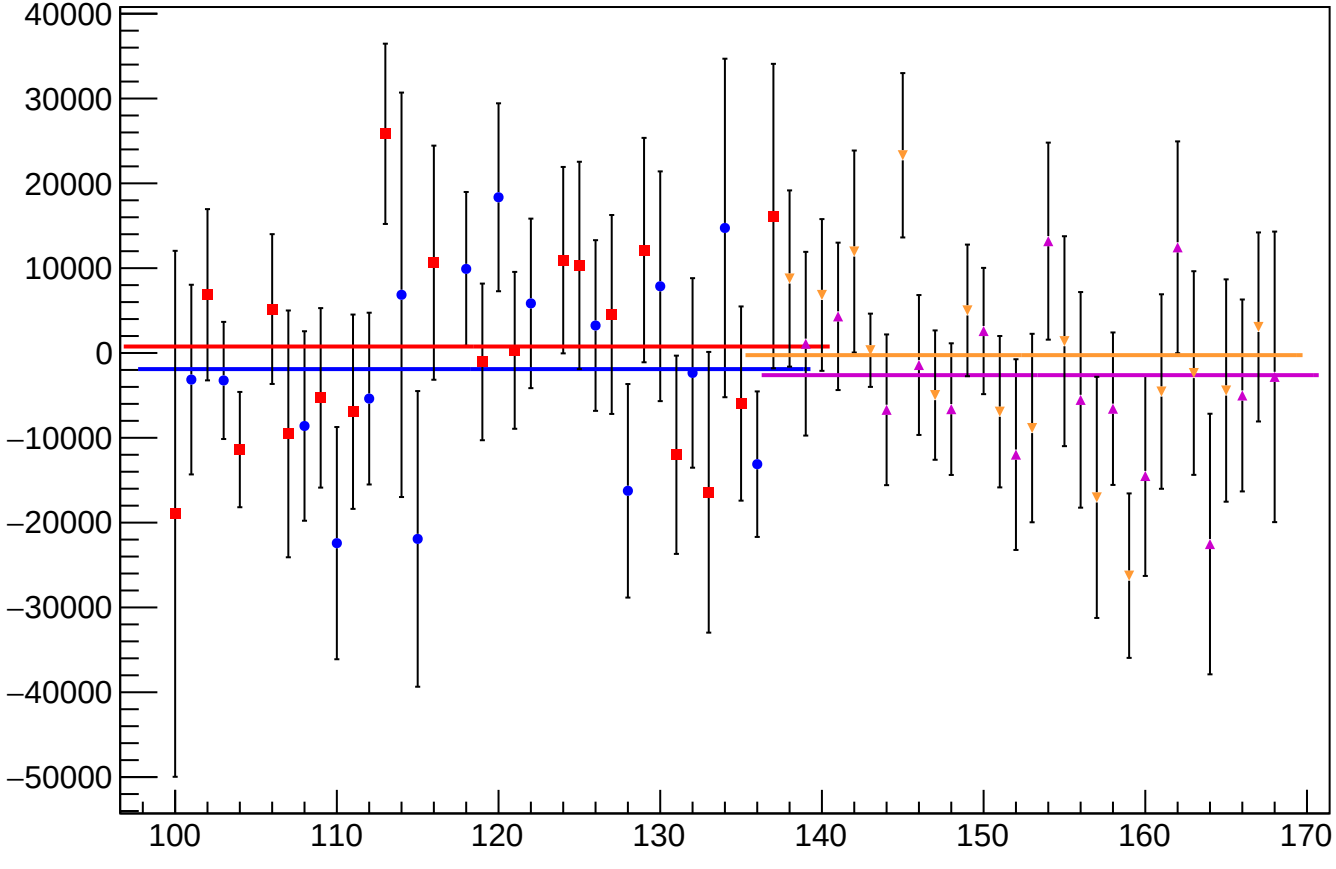
Left In: 1825.322+/-0.367 χ^2/NDF:52576.0/14

+ sign 1776.741+/-0.285 χ^2/NDF: 839121.1/31

All: 1765.176+/-0.200 χ^2/NDF: 1419320.9/65

- sign 1753.884+/-0.282 χ^2/NDF: 576944.8/33

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -254.400+/-2246.785 χ^2/NDF:19.3/15

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

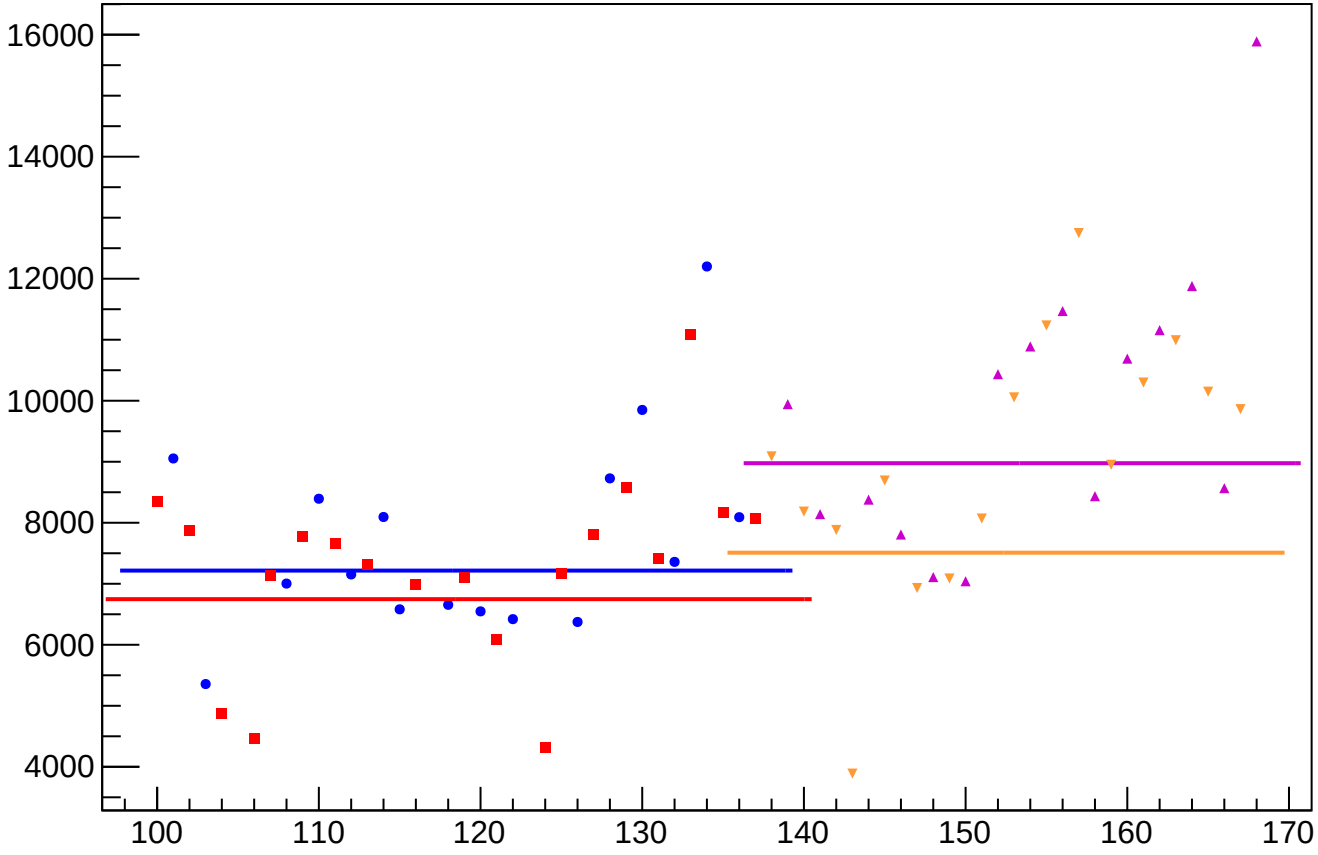
Left In: -2613.409+/-2610.367 χ^2/NDF:8.7/14

\+ sign -916.083+/-1737.359 χ^2/NDF: 33.9/31

All: -901.737+/-1258.036 χ^2/NDF: 60.8/65

\- sign -885.924+/-1824.070 χ^2/NDF: 26.9/33

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7509.588+/-1.589 χ^2/NDF:2579638.2/15

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

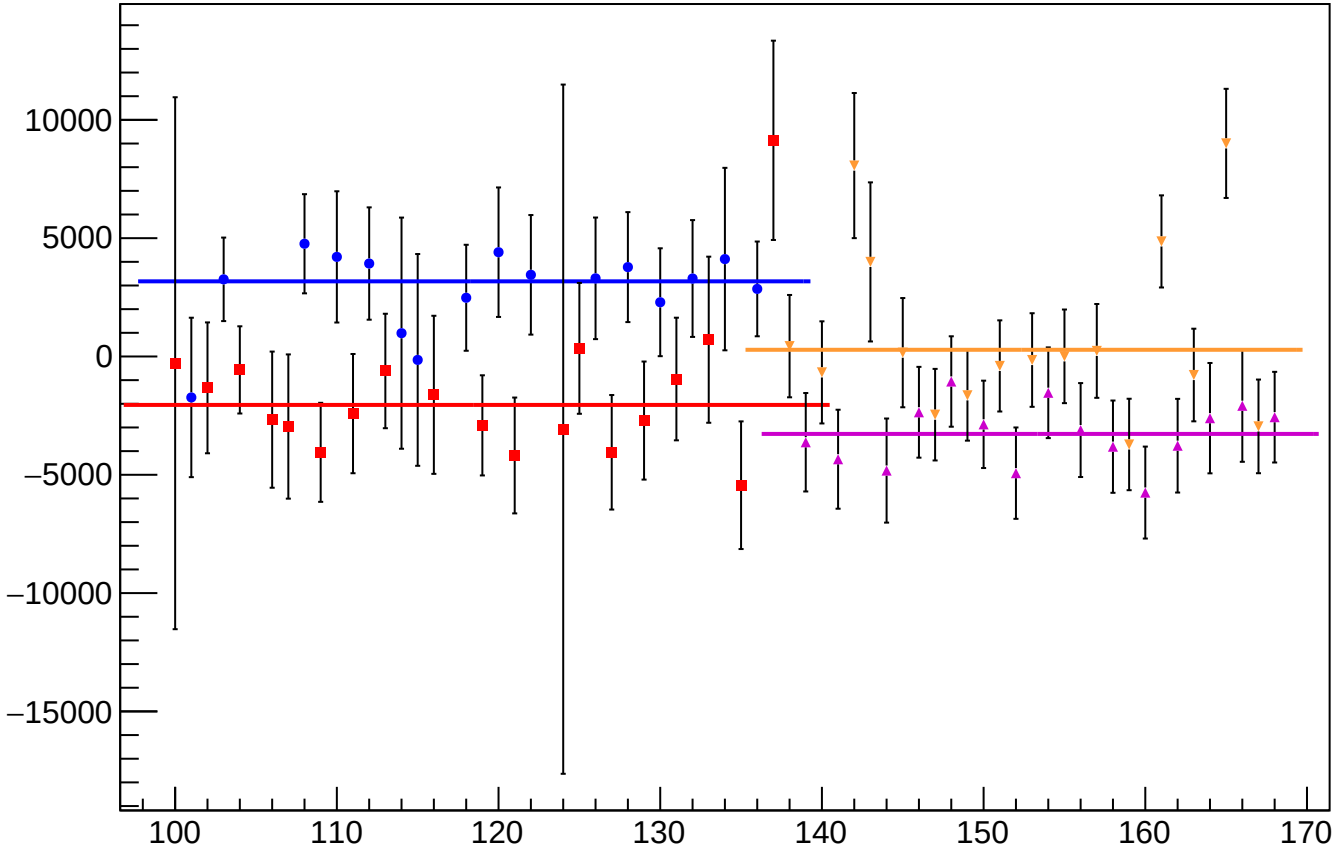
Left In: 8976.318+/-1.846 χ^2/NDF:1009895.2/14

+ sign 7391.560+/-1.228 χ^2/NDF: 3105492.0/31

All: 7602.935+/-0.890 χ^2/NDF: 5632362.1/65

- sign 7835.936+/-1.290 χ^2/NDF: 2464632.2/33

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 282.964+/-525.485 χ^2/NDF:38.2/15

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

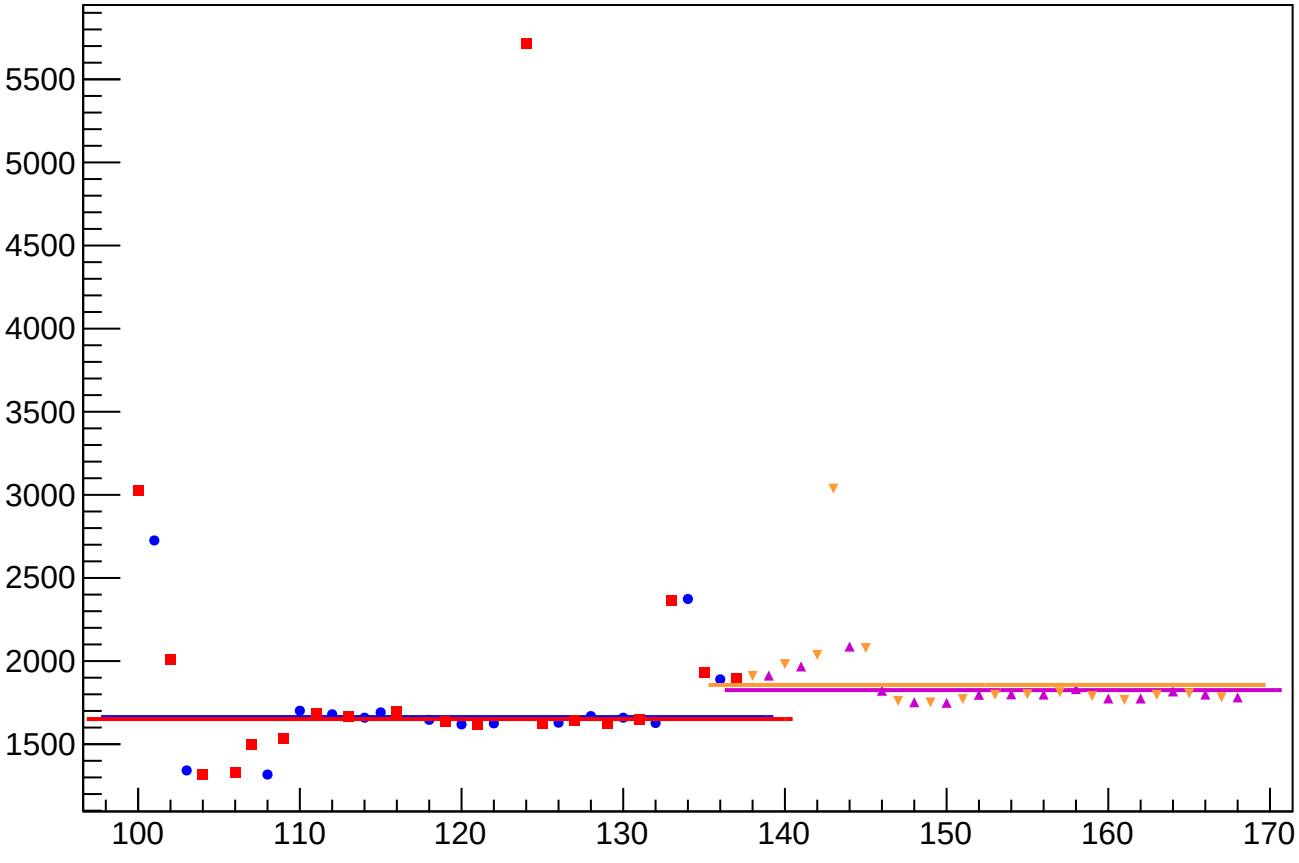
Left In: -3272.647+/-518.690 χ^2/NDF:6.2/14

+ sign 1474.272+/-403.007 χ^2/NDF: 55.0/31

All: -672.958+/-283.263 χ^2/NDF: 133.6/65

- sign -2769.531+/-398.225 χ^2/NDF: 22.5/33

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1856.449+/-0.372 χ^2/NDF:311751.5/15

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

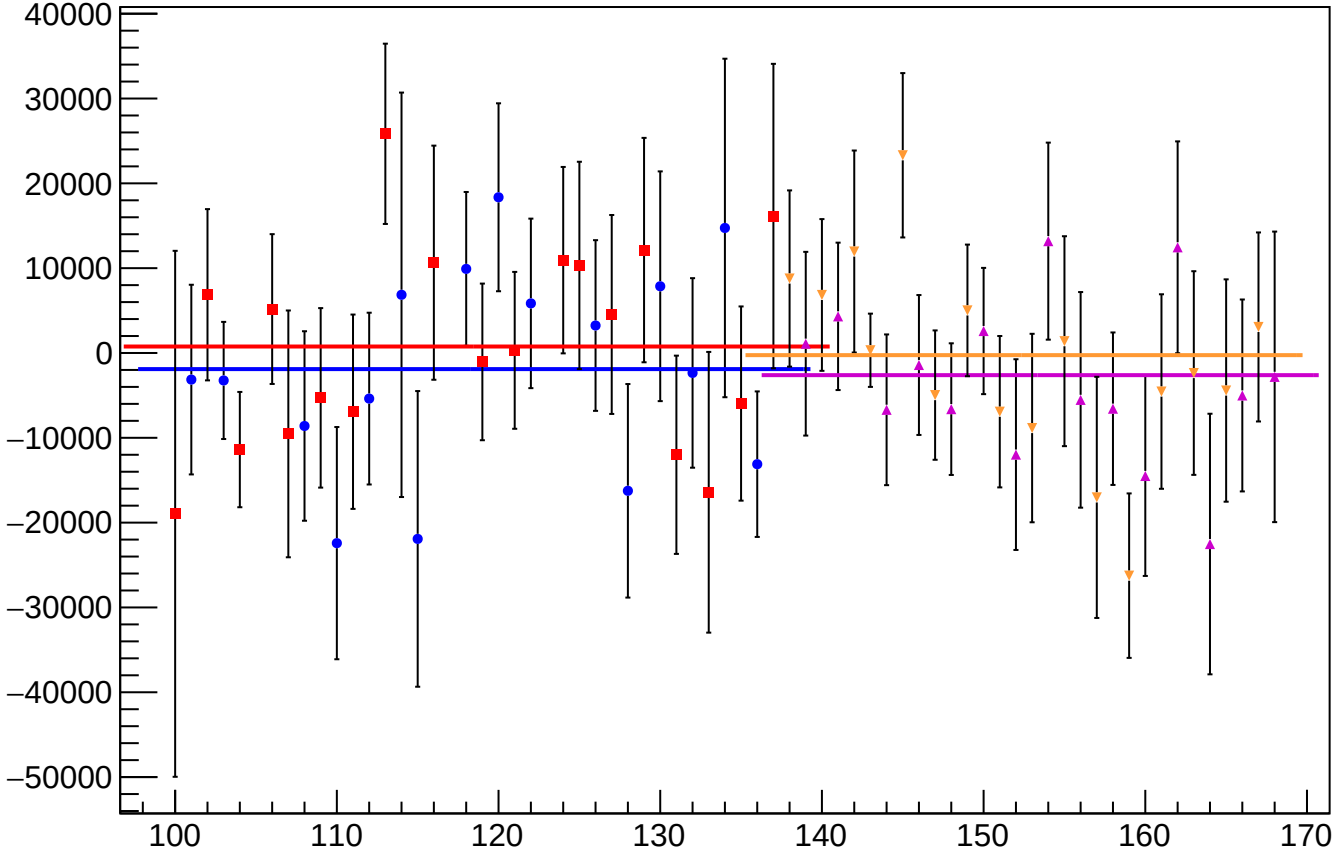
Left In: 1825.322+/-0.367 χ^2/NDF:52576.0/14

+ sign 1776.741+/-0.285 χ^2/NDF: 839121.1/31

All: 1765.176+/-0.200 χ^2/NDF: 1419320.9/65

- sign 1753.884+/-0.282 χ^2/NDF: 576944.8/33

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -254.400+/-2246.785 χ^2/NDF:19.3/15

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

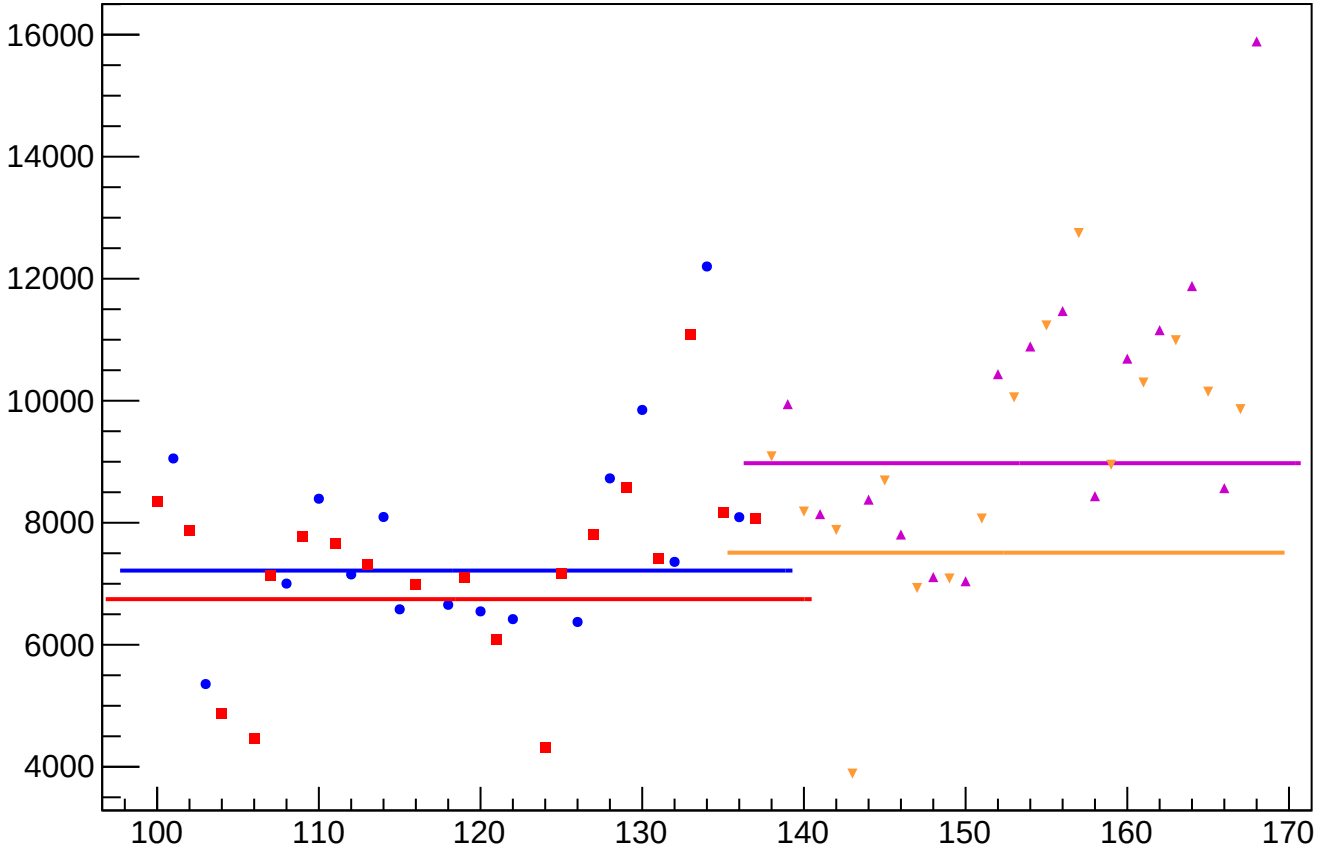
Left In: -2613.409+/-2610.367 χ^2/NDF:8.7/14

\+ sign -916.083+/-1737.359 χ^2/NDF: 33.9/31

All: -901.737+/-1258.036 χ^2/NDF: 60.8/65

\- sign -885.924+/-1824.070 χ^2/NDF: 26.9/33

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7509.588+/-1.589 χ^2/NDF:2579638.2/15

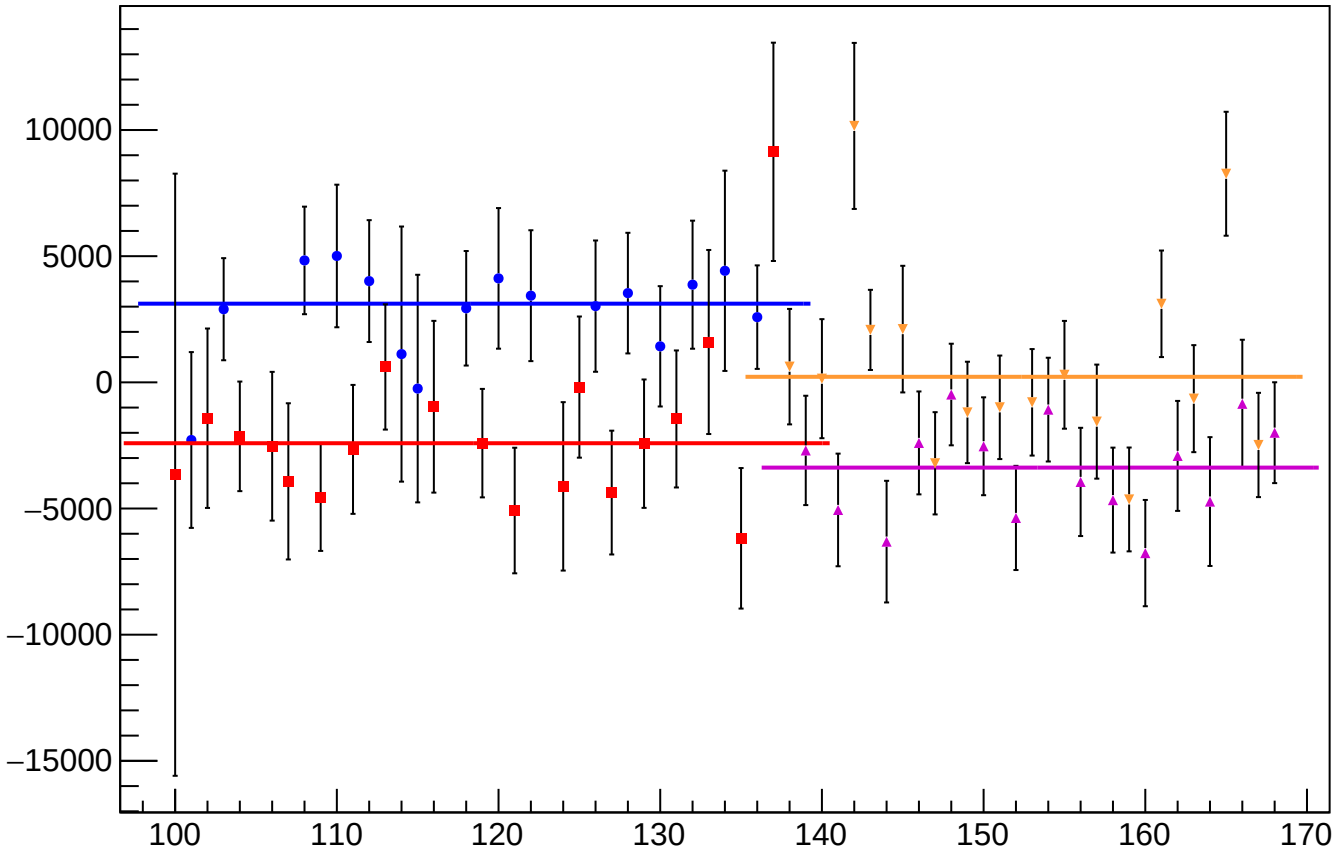
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8976.318+/-1.846 χ^2/NDF:1009895.2/14

\+ sign 7391.560+/-1.228 χ^2/NDF: 3105492.0/31

All: 7602.935+/-0.890 χ^2/NDF: 5632362.1/65

\- sign 7835.936+/-1.290 χ^2/NDF: 2464632.2/33



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 219.526+/-536.838 χ^2/NDF:35.7/15

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

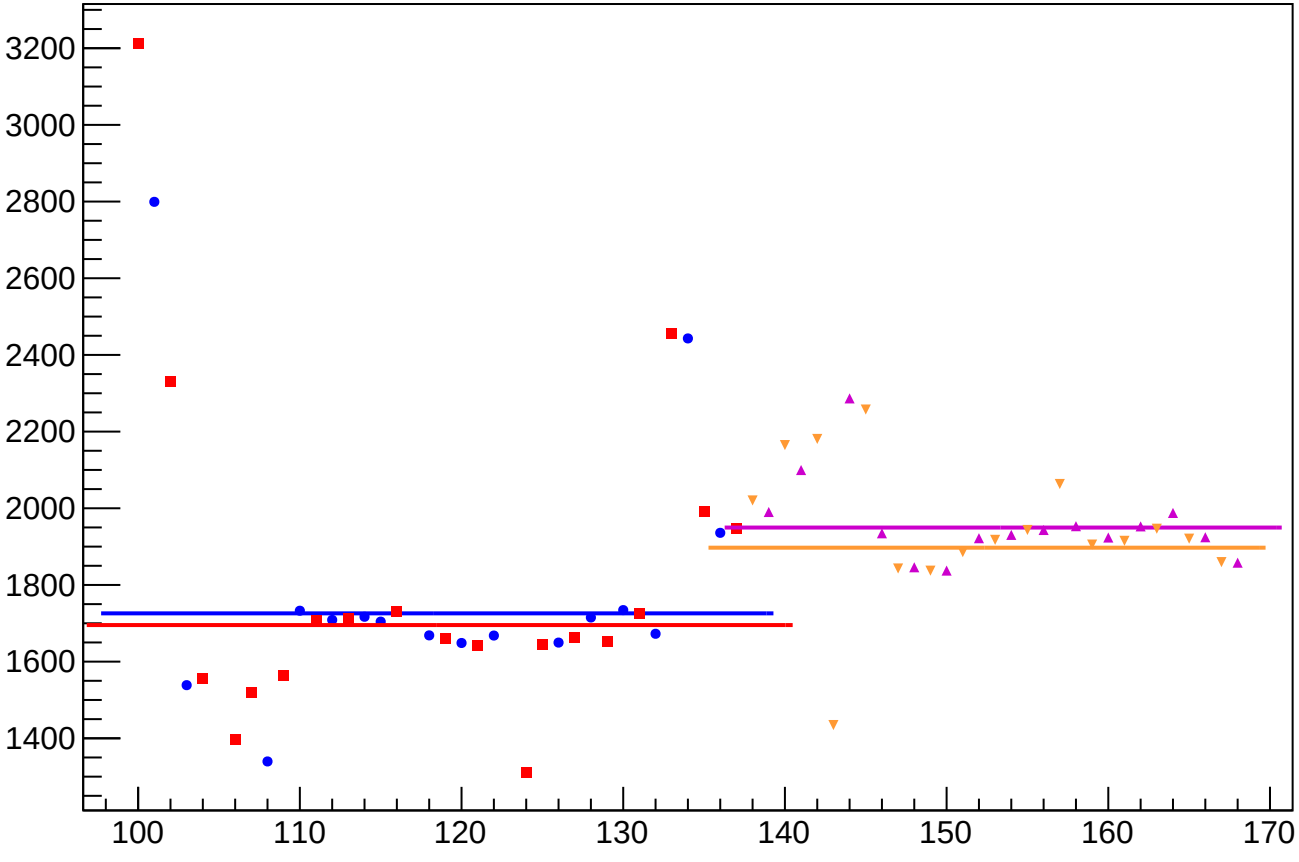
Left In: -3379.065+/-554.358 χ^2/NDF:11.7/14

+ sign 1392.440+/-414.207 χ^2/NDF: 52.8/31

All: -762.038+/-294.480 χ^2/NDF: 136.5/65

- sign -2963.997+/-418.746 χ^2/NDF: 29.0/33

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1897.213+/-0.380 χ^2/NDF:274710.7/15

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

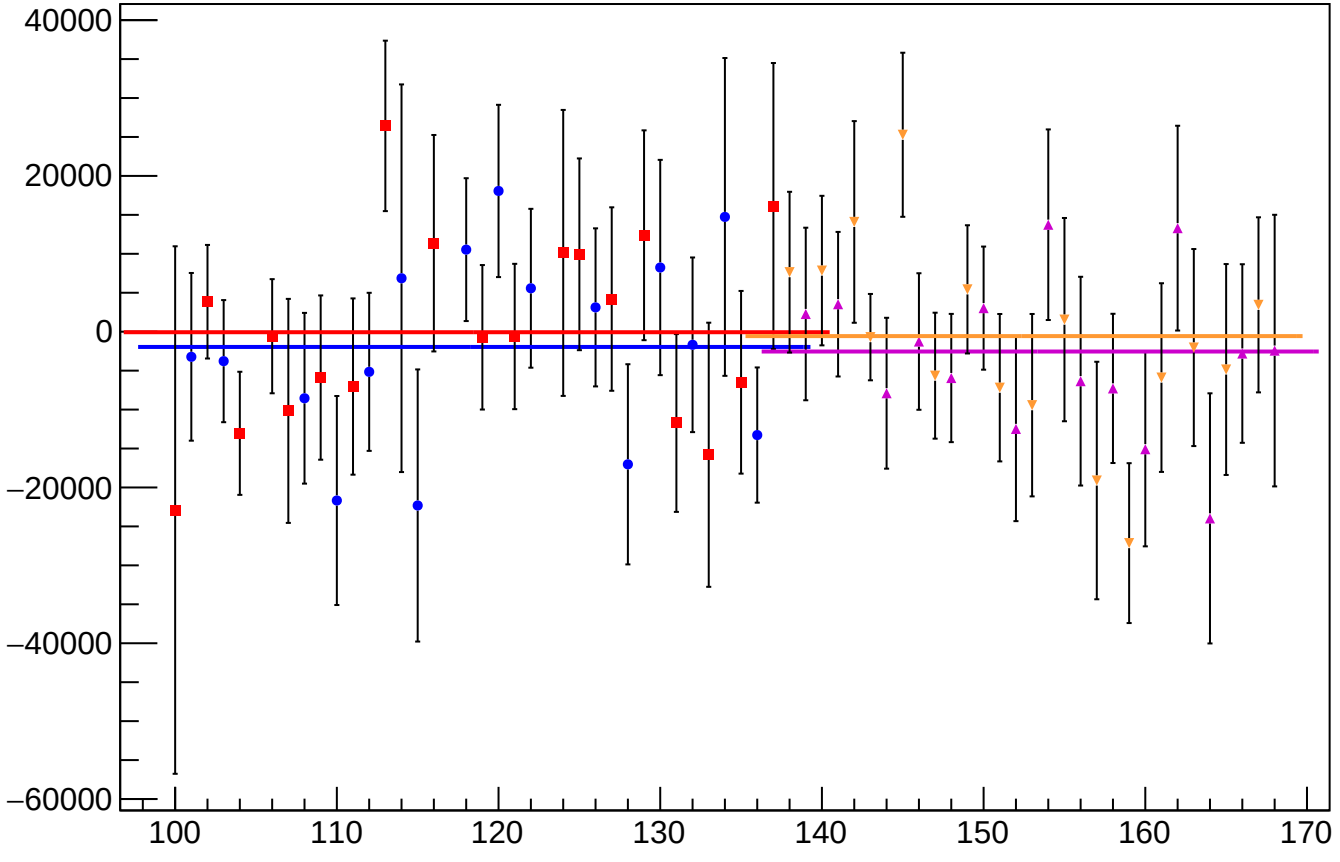
Left In: 1949.708+/-0.392 χ^2/NDF:66626.6/14

+ sign 1827.890+/-0.293 χ^2/NDF: 722760.2/31

All: 1834.104+/-0.208 χ^2/NDF: 1256749.5/65

- sign 1840.453+/-0.296 χ^2/NDF: 533079.3/33

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -566.468+/-2481.551 χ^2/NDF:19.3/15

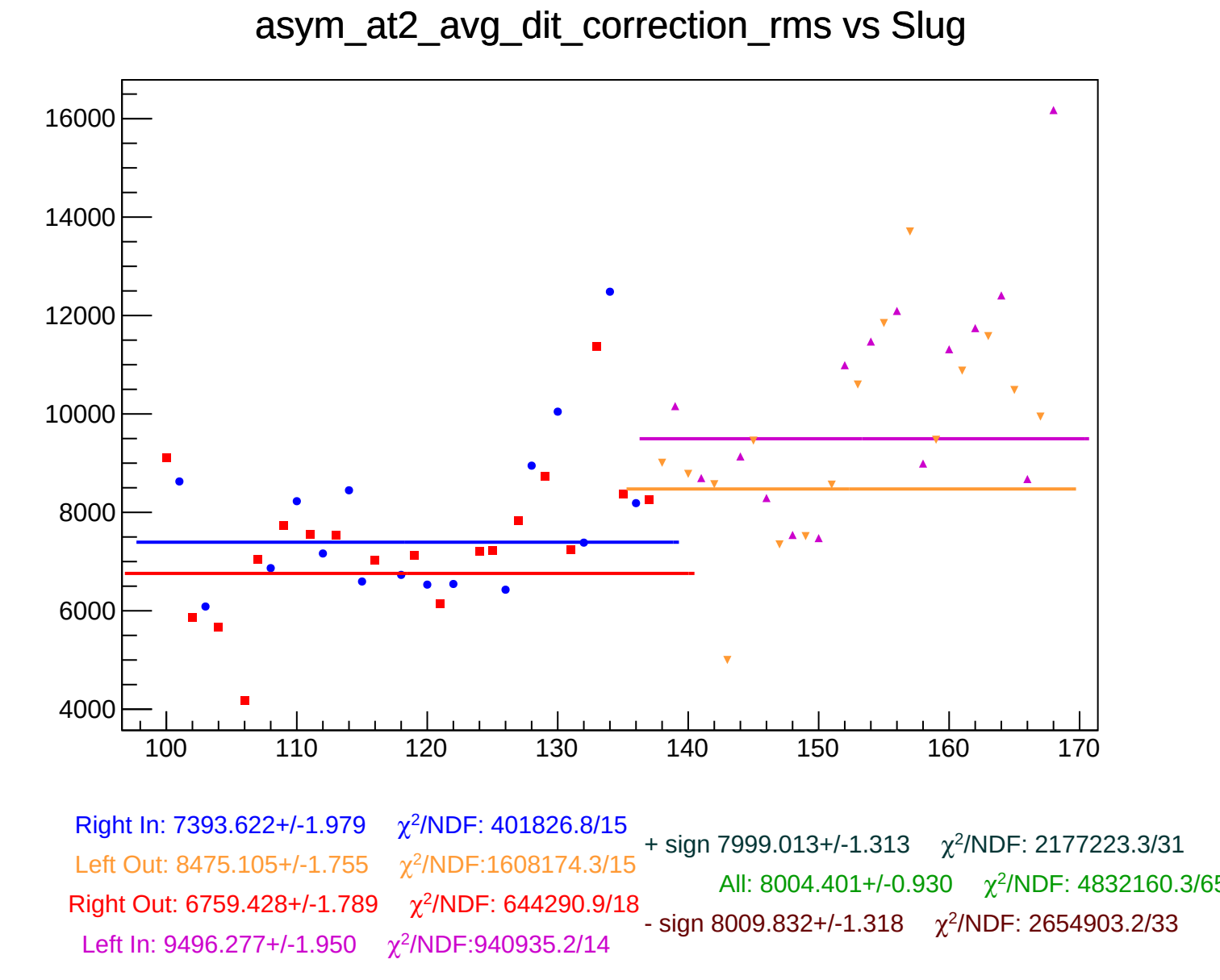
Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

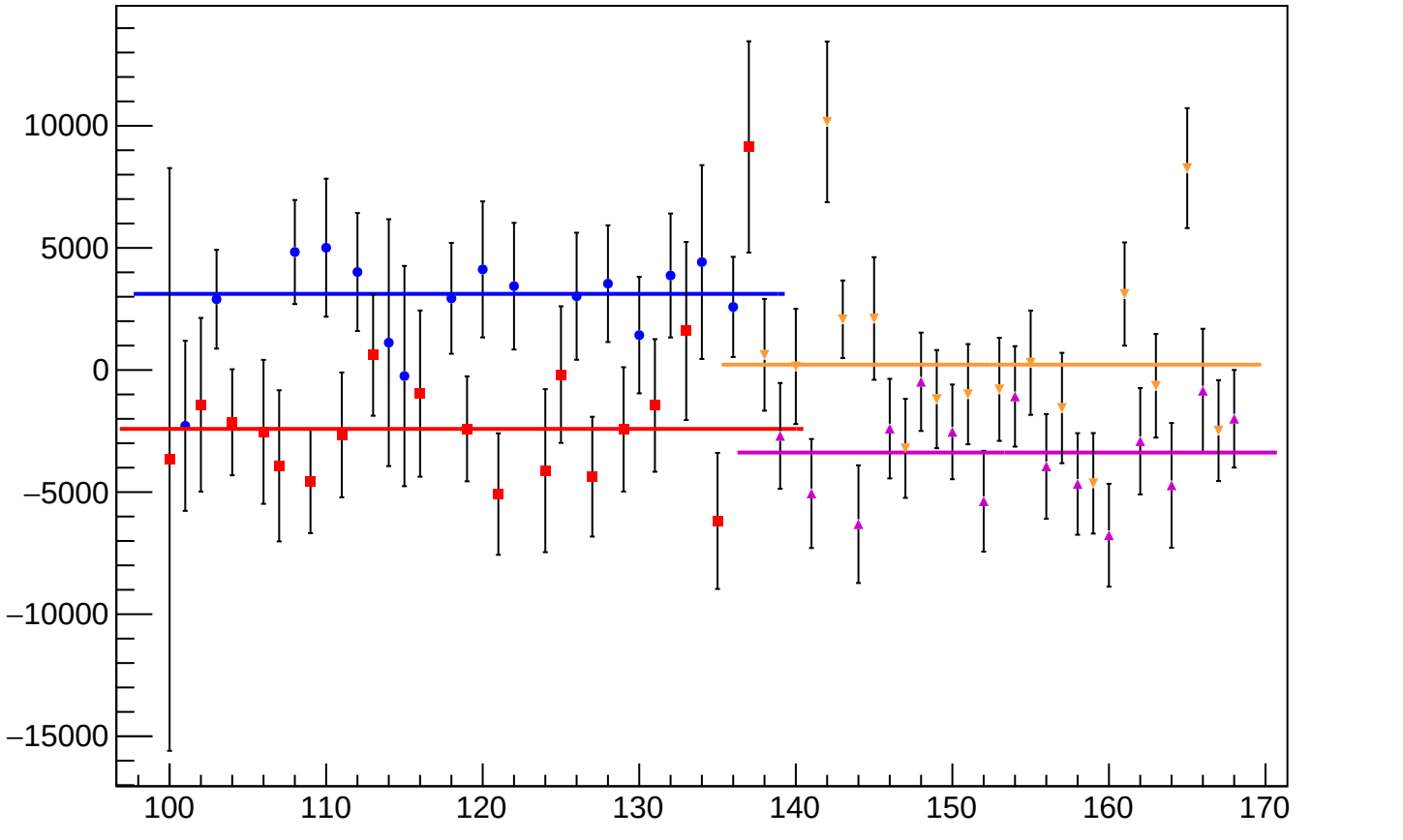
Left In: -2546.161+/-2757.964 χ^2/NDF:8.7/14

+ sign -1179.297+/-1856.655 χ^2/NDF: 33.9/31

All: -1189.756+/-1315.507 χ^2/NDF: 59.1/65

- sign -1200.300+/-1864.182 χ^2/NDF: 25.2/33


asym_at2_avg_dit_correction_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 7393.622+/-1.979 χ²/NDF: 401826.8/15
Left Out: 8475.105+/-1.755 χ²/NDF:1608174.3/15
Right Out: 6759.428+/-1.789 χ²/NDF: 644290.9/18
Left In: 9496.277+/-1.950 χ²/NDF:940935.2/14
+ sign 7999.013+/-1.313 χ²/NDF: 2177223.3/31
All: 8004.401+/-0.930 χ²/NDF: 4832160.3/65
- sign 8009.832+/-1.318 χ²/NDF: 2654903.2/33



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 219.510+/-536.839 χ^2/NDF:35.7/15

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

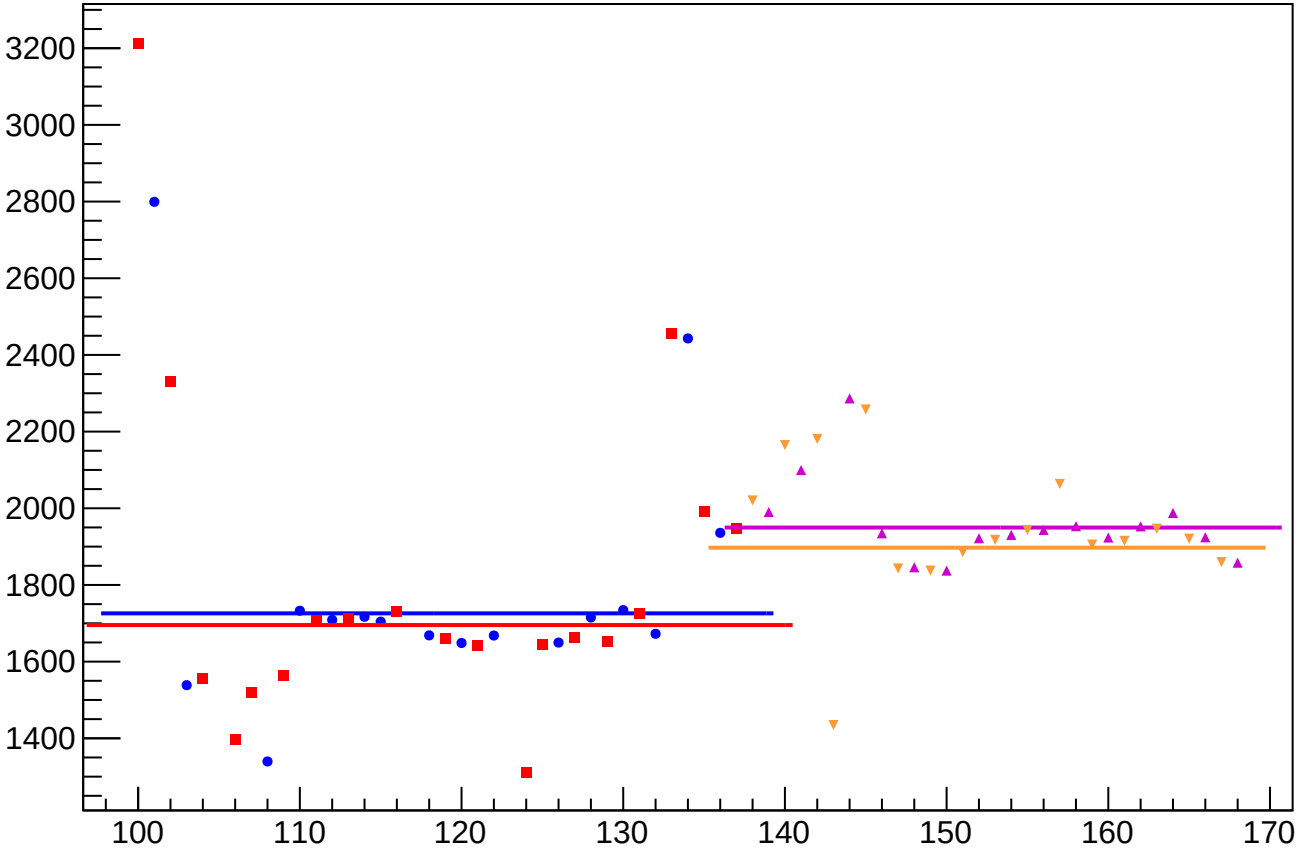
Left In: -3379.067+/-554.359 χ^2/NDF:11.7/14

+ sign 1392.435+/-414.208 χ^2/NDF: 52.8/31

All: -762.042+/-294.481 χ^2/NDF: 136.5/65

- sign -2964.001+/-418.747 χ^2/NDF: 29.0/33

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1897.216+/-0.380 χ^2/NDF:274712.0/15

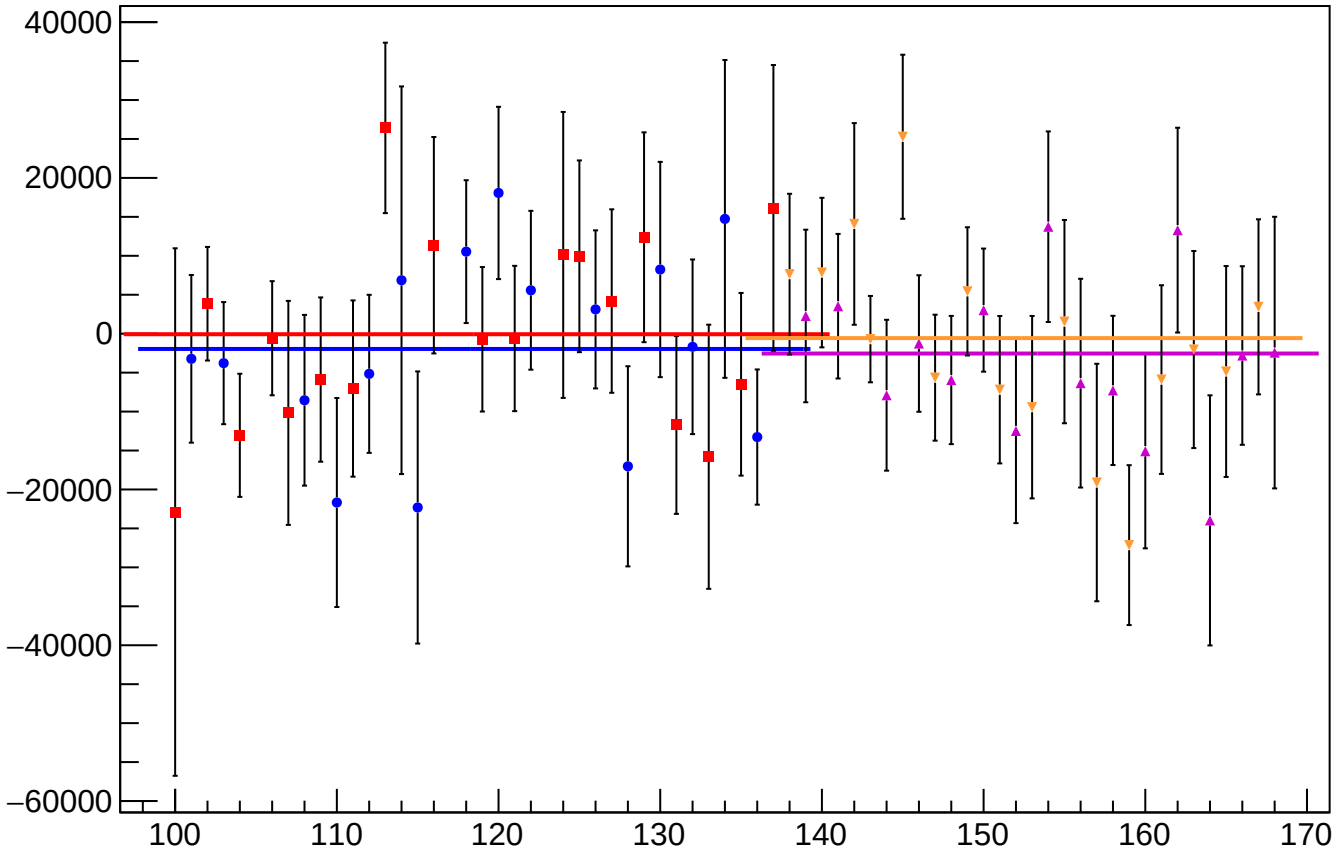
Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1949.712+/-0.392 χ^2/NDF:66626.9/14

+ sign 1827.891+/-0.293 χ^2/NDF: 722765.2/31

All: 1834.105+/-0.208 χ^2/NDF: 1256760.7/65

- sign 1840.454+/-0.296 χ^2/NDF: 533085.4/33



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: -566.478+/-2481.555 χ^2/NDF:19.3/15

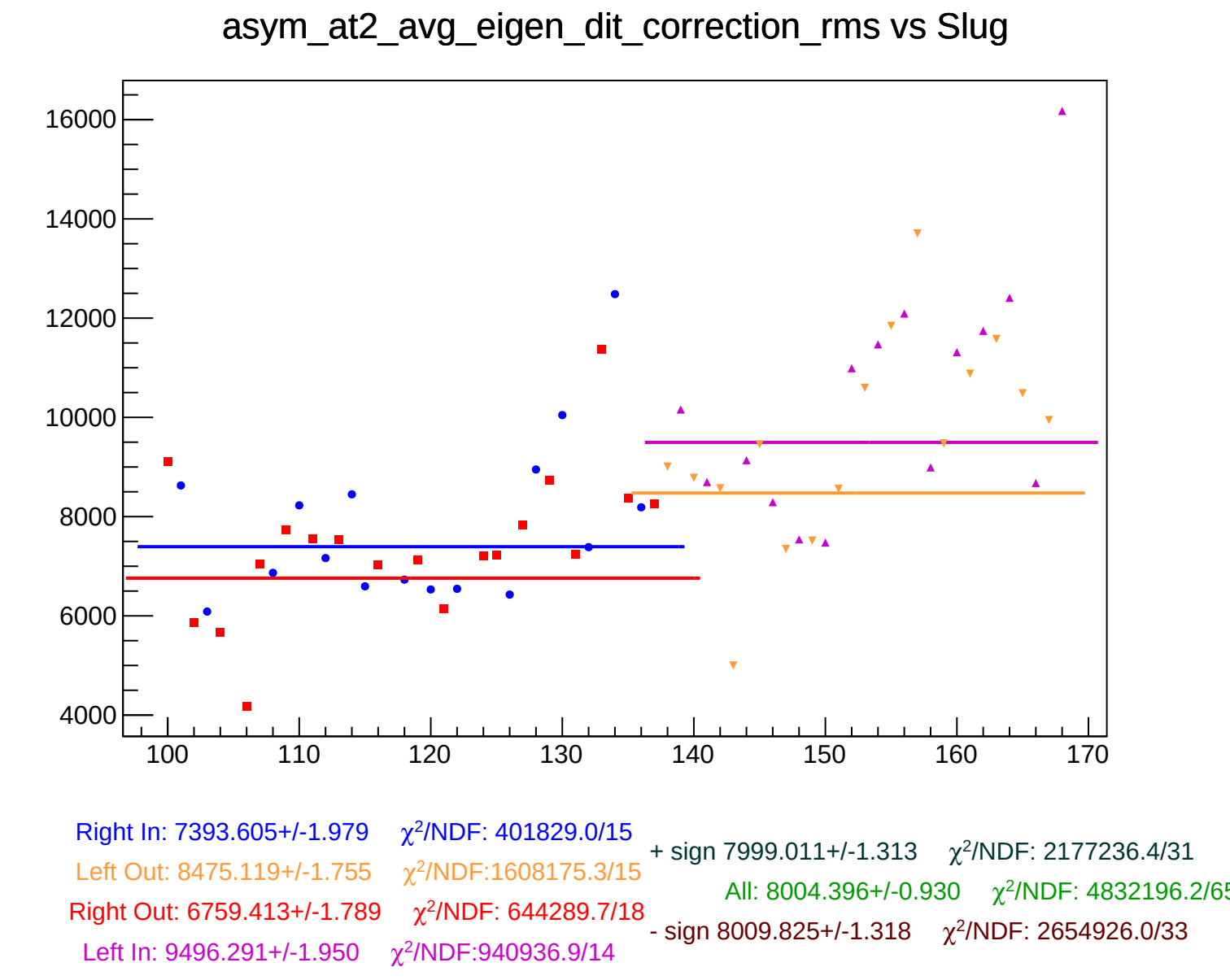
Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

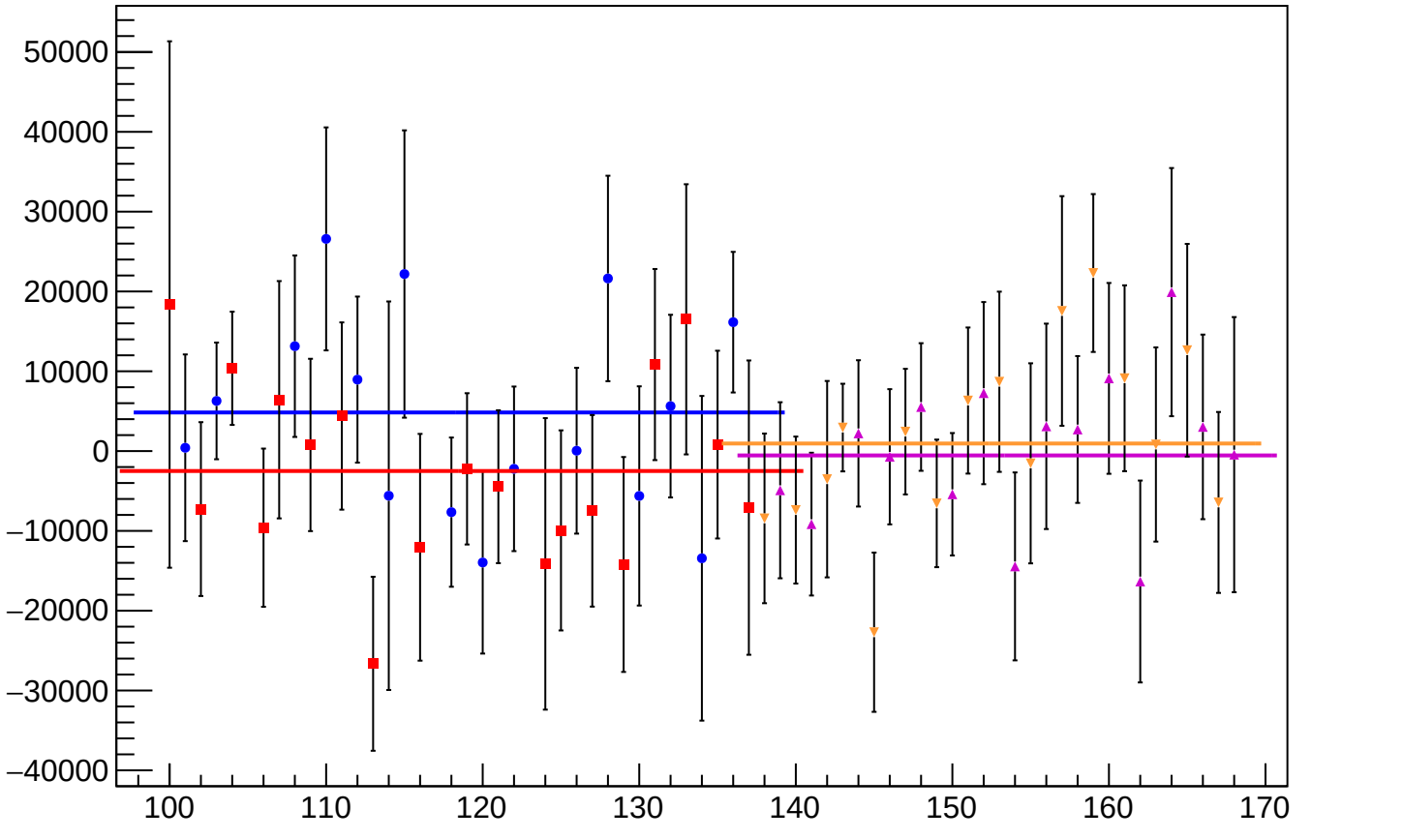
Left In: -2546.160+/-2757.968 χ^2/NDF:8.7/14

+ sign -1179.296+/-1856.655 χ^2/NDF: 33.9/31

All: -1189.755+/-1315.506 χ^2/NDF: 59.1/65

- sign -1200.299+/-1864.181 χ^2/NDF: 25.2/33


asym_at2_avg_eigen_dit_correction_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 7393.605+/-1.979 χ²/NDF: 401829.0/15
Left Out: 8475.119+/-1.755 χ²/NDF:1608175.3/15
Right Out: 6759.413+/-1.789 χ²/NDF: 644289.7/18
Left In: 9496.291+/-1.950 χ²/NDF:940936.9/14
+ sign 7999.011+/-1.313 χ²/NDF: 2177236.4/31
All: 8004.396+/-0.930 χ²/NDF: 4832196.2/65
- sign 8009.825+/-1.318 χ²/NDF: 2654926.0/33



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 948.377+/-2418.148 χ^2/NDF:16.9/15

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

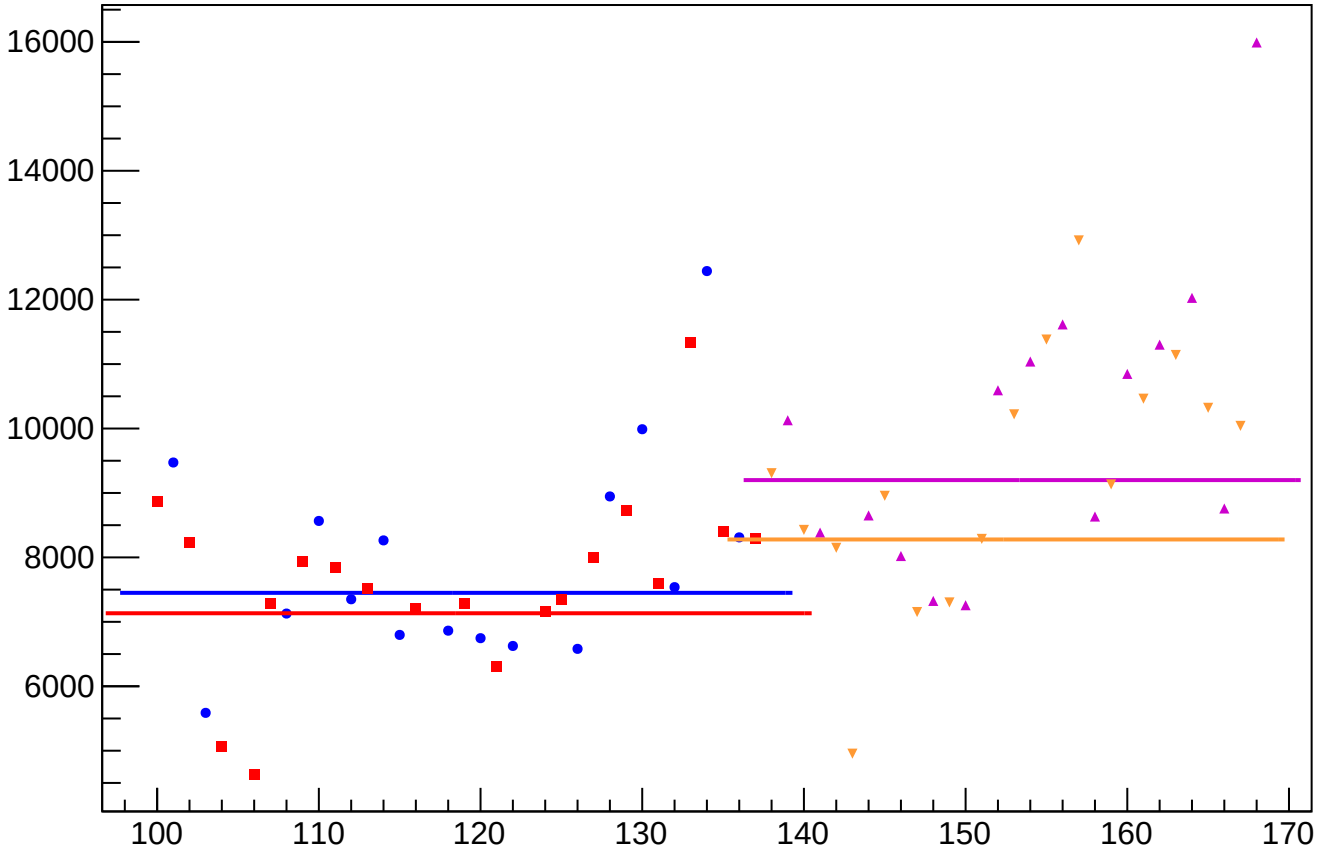
Left In: -545.456+/-2670.984 χ^2/NDF:8.3/14

+ sign 2590.466+/-1838.124 χ^2/NDF: 32.4/31

All: 604.327+/-1320.171 χ^2/NDF: 58.2/65

- sign -1511.729+/-1897.290 χ^2/NDF: 23.5/33

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8278.260+/-1.710 χ^2/NDF:1513982.3/15

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

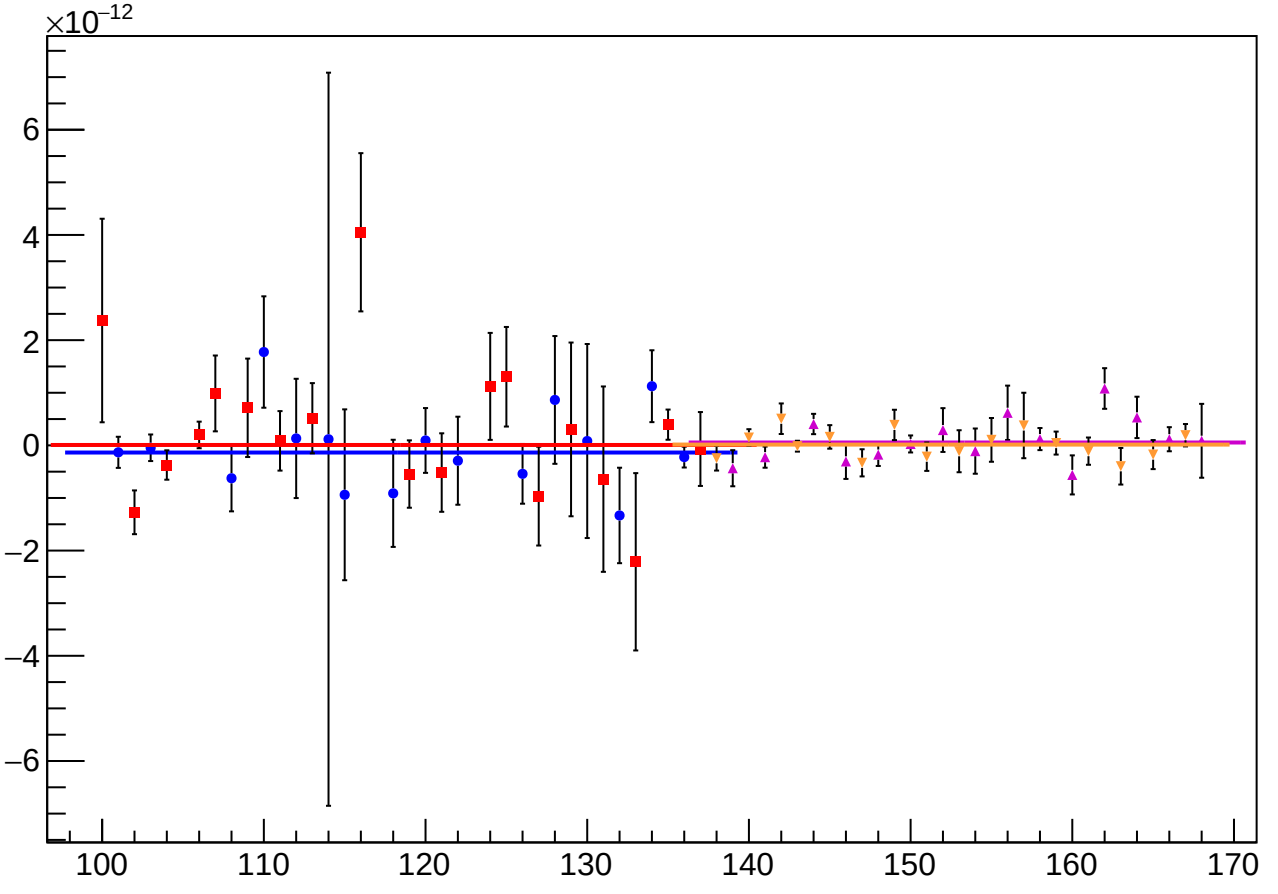
Left In: 9199.724+/-1.889 χ^2/NDF:944409.5/14

+ sign 7928.566+/-1.300 χ^2/NDF: 2099476.5/31

All: 8048.272+/-0.933 χ^2/NDF: 4211615.2/65

- sign 8175.800+/-1.342 χ^2/NDF: 2094620.0/33

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:12.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

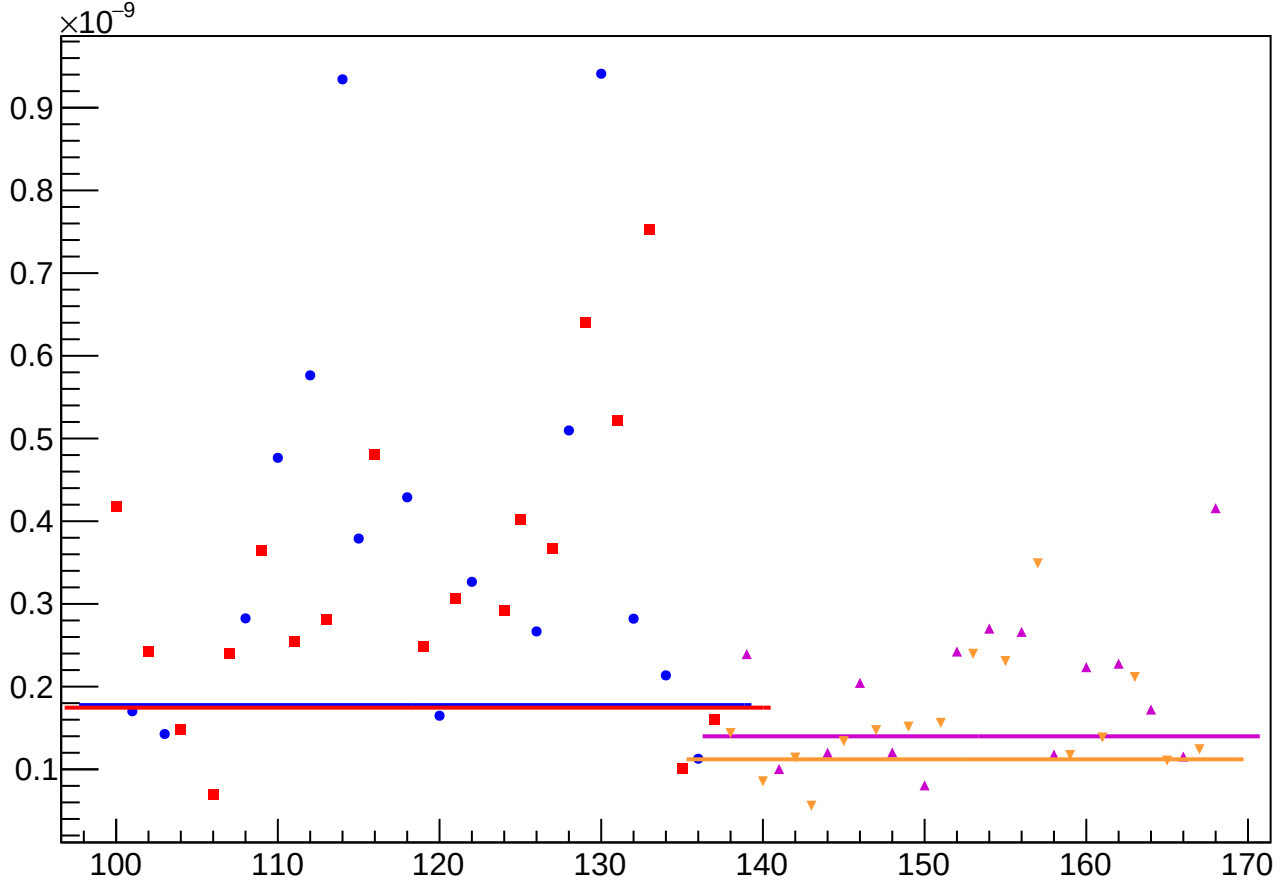
Left In: 0.000+/-0.000 χ^2/NDF:22.7/14

+ sign -0.000+/-0.000 χ^2/NDF: 25.7/31

All: 0.000+/-0.000 χ^2/NDF: 81.8/65

- sign 0.000+/-0.000 χ^2/NDF: 55.6/33

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:1678878.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

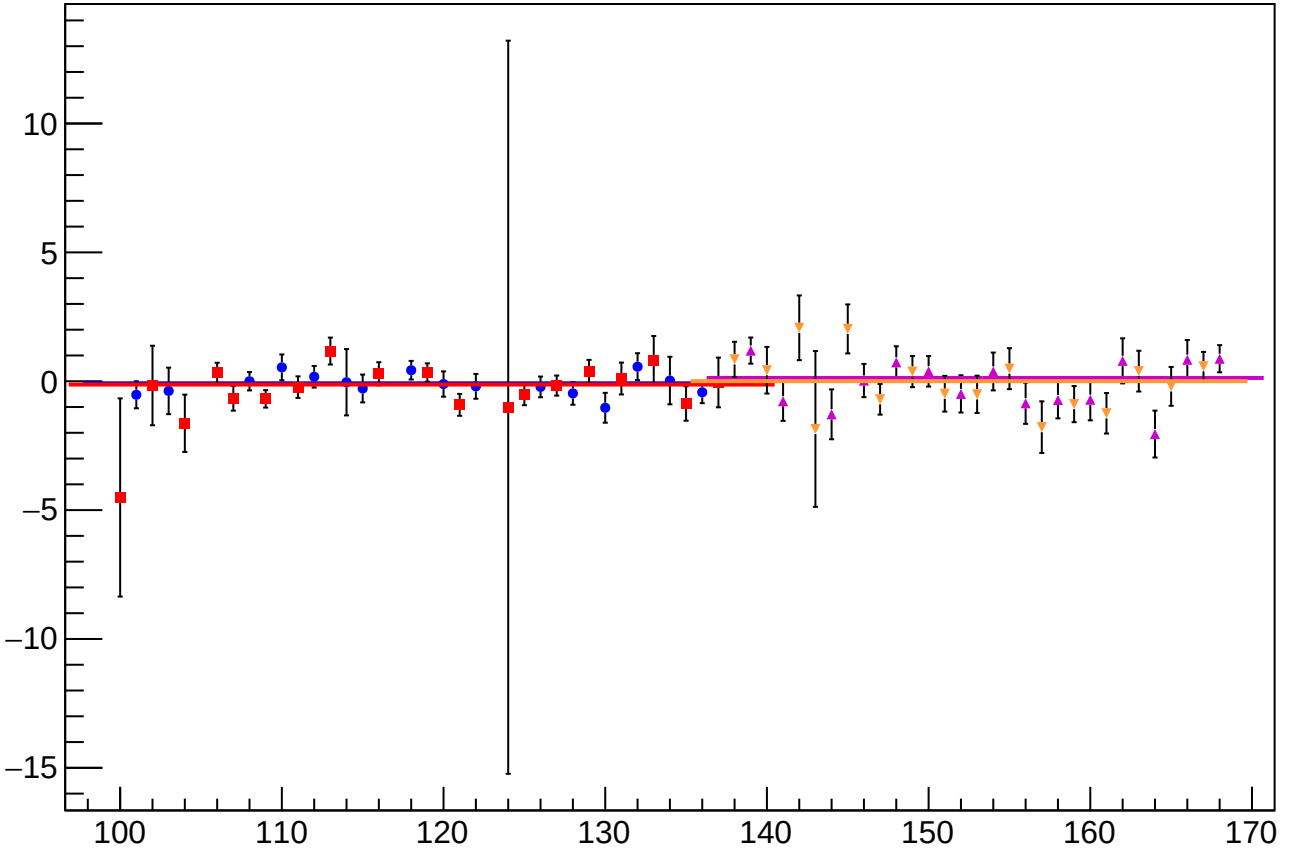
Left In: 0.000+/-0.000 χ^2/NDF:1623219.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 3699310.3/31

All: 0.000+/-0.000 χ^2/NDF: 7275065.3/65

- sign 0.000+/-0.000 χ^2/NDF: 3385079.6/33

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.003+/-0.190 χ^2/NDF:21.2/15

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

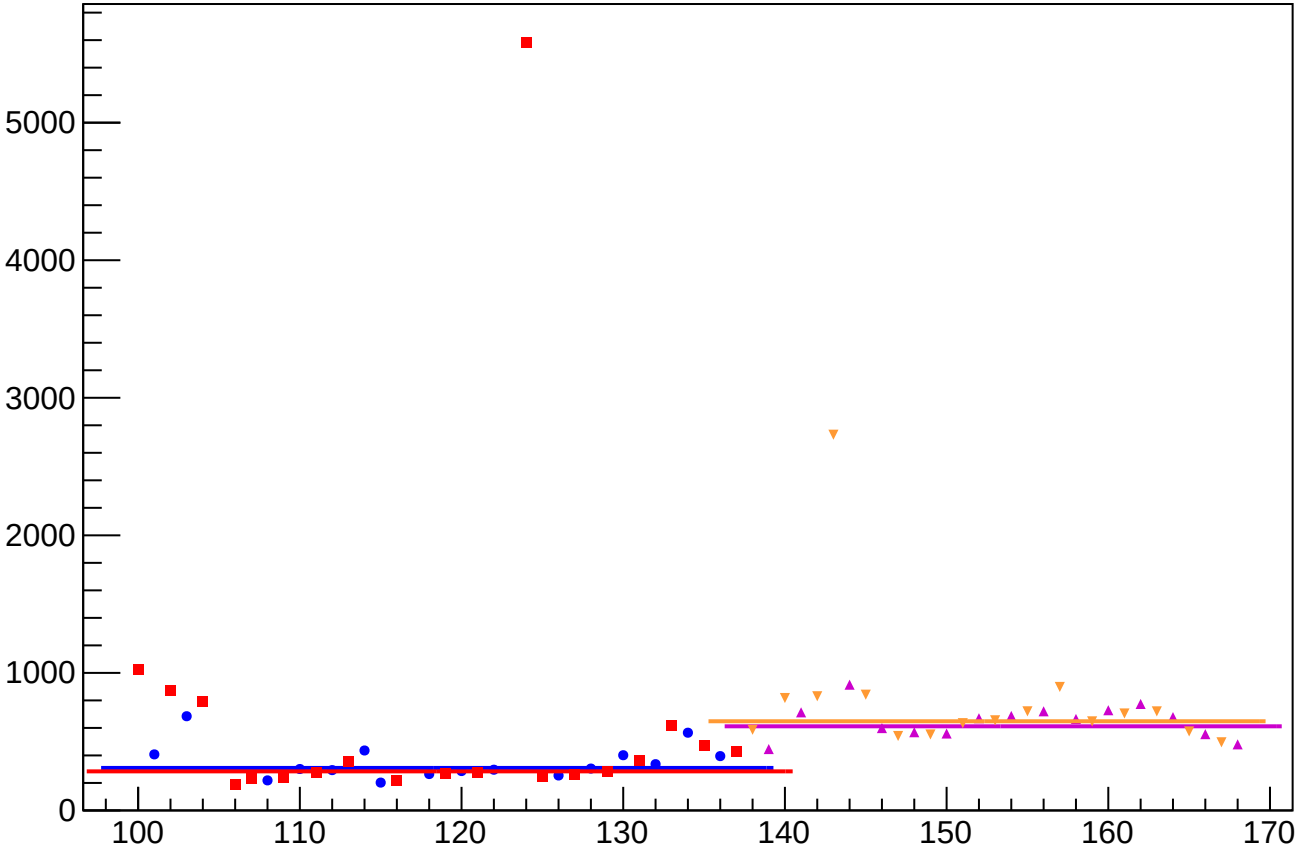
Left In: 0.128+/-0.179 χ^2/NDF:23.2/14

+ sign -0.056+/-0.103 χ^2/NDF: 32.1/31

All: -0.053+/-0.071 χ^2/NDF: 82.0/65

- sign -0.051+/-0.098 χ^2/NDF: 49.8/33

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 648.408+/-0.135 χ^2/NDF:1612763.3/15

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

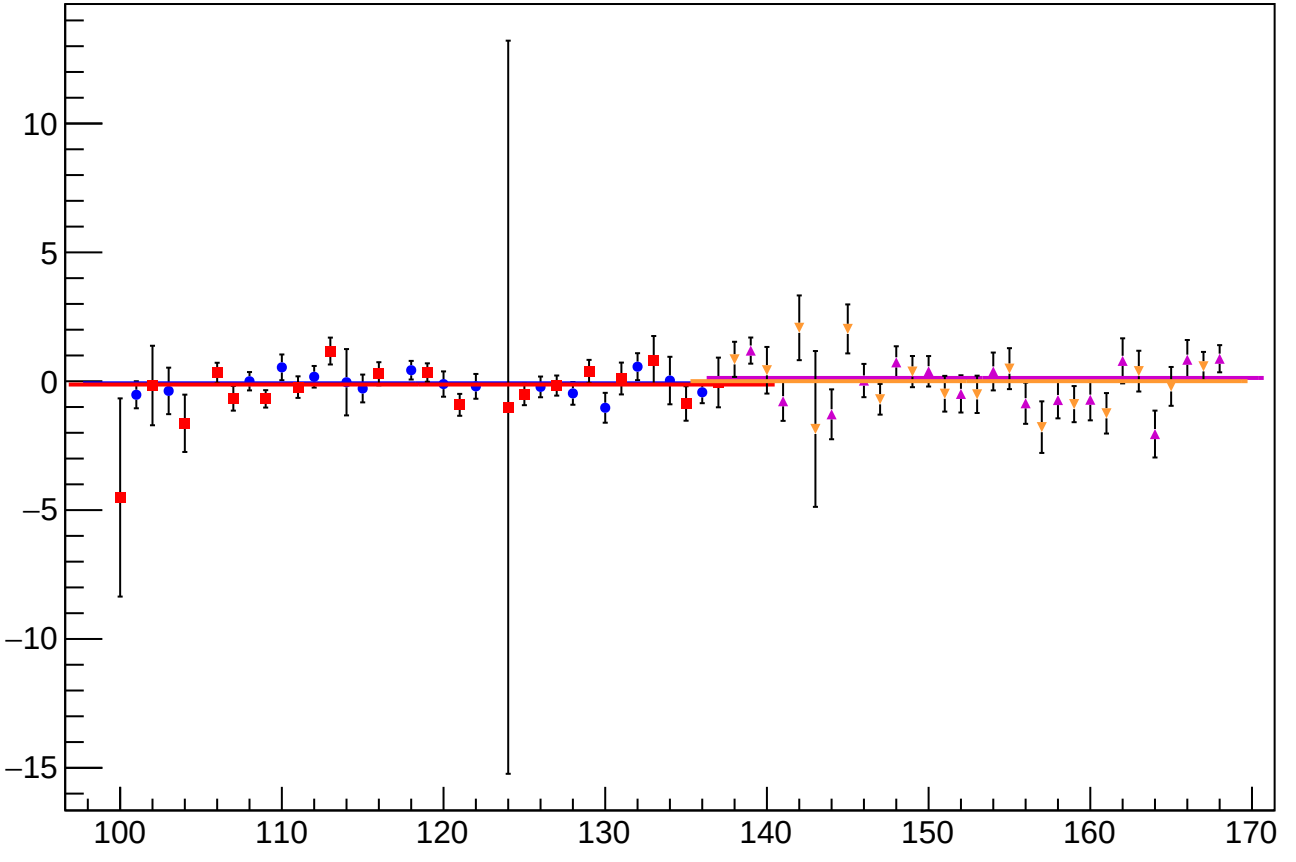
Left In: 611.736+/-0.127 χ^2/NDF:809719.7/14

+ sign 407.645+/-0.073 χ^2/NDF: 7130673.0/31

All: 394.284+/-0.050 χ^2/NDF: 14556035.7/65

- sign 382.136+/-0.069 χ^2/NDF: 7360676.2/33

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: 0.003+/-0.190 χ^2/NDF:21.2/15

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

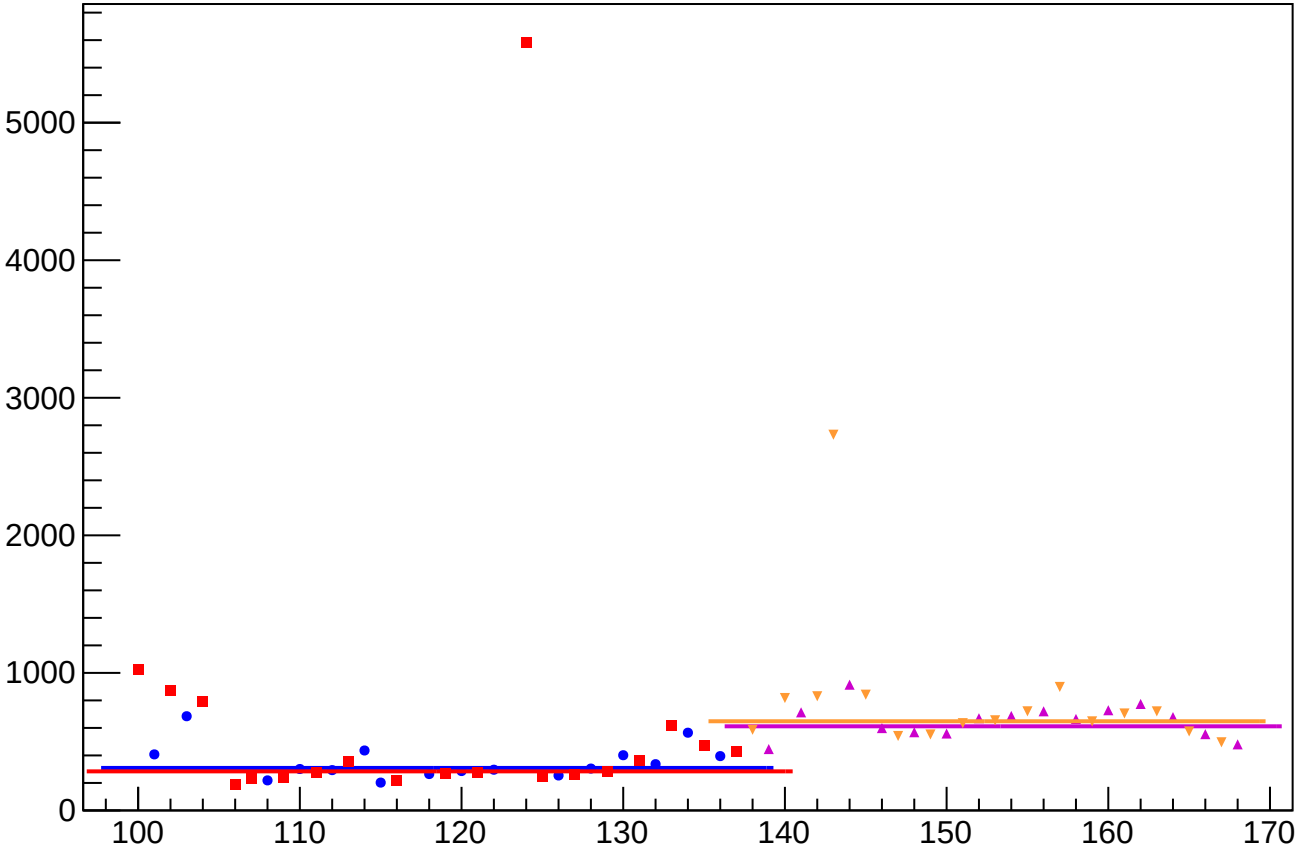
Left In: 0.128+/-0.179 χ^2/NDF:23.2/14

+ sign -0.056+/-0.103 χ^2/NDF: 32.1/31

All: -0.053+/-0.071 χ^2/NDF: 82.0/65

- sign -0.051+/-0.098 χ^2/NDF: 49.8/33

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: 648.408+/-0.135 χ^2/NDF:1612763.3/15

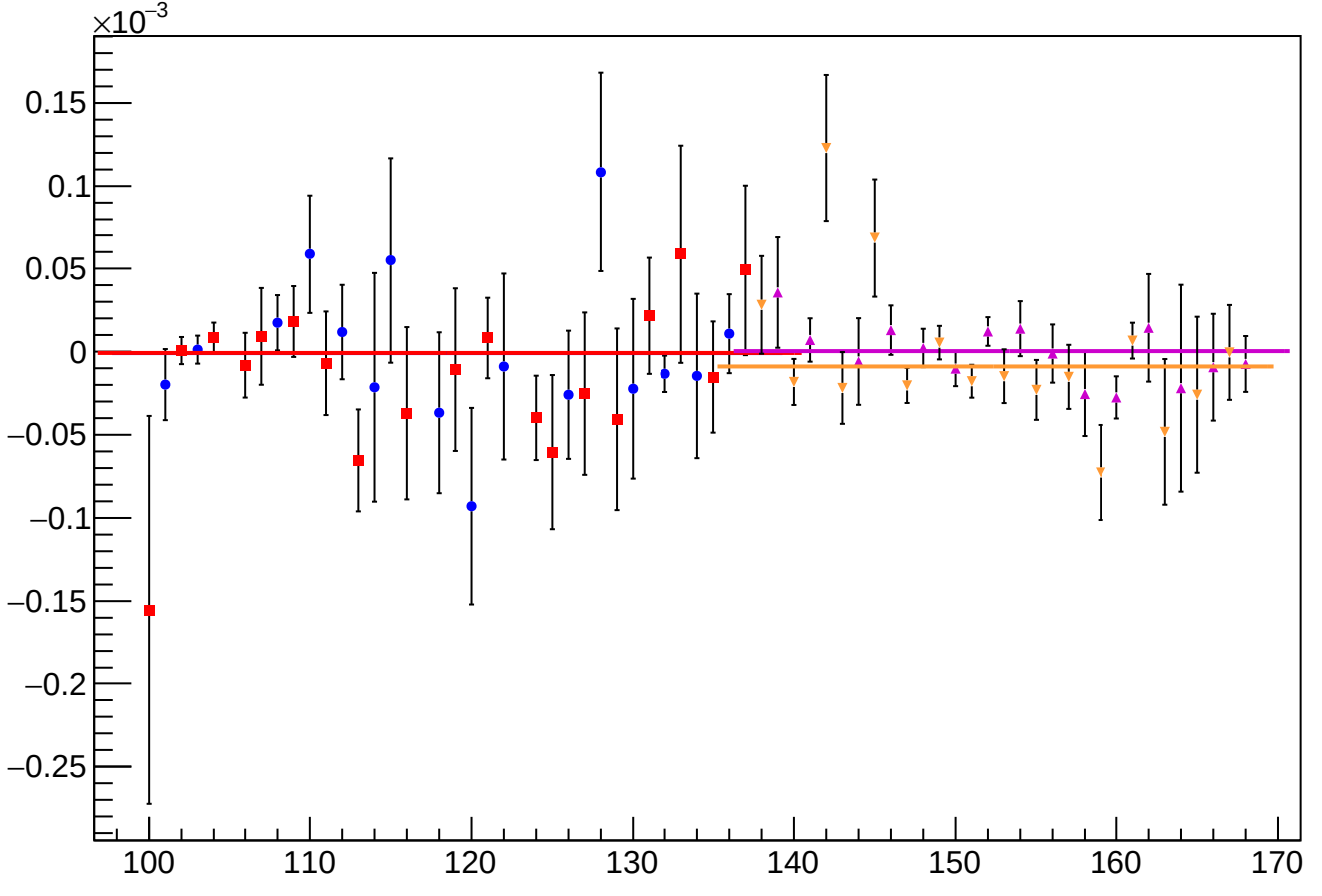
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 611.736+/-0.127 χ^2/NDF:809719.7/14

+ sign 407.645+/-0.073 χ^2/NDF: 7130673.0/31

All: 394.284+/-0.050 χ^2/NDF: 14556035.7/65

- sign 382.136+/-0.069 χ^2/NDF: 7360676.2/33



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/15

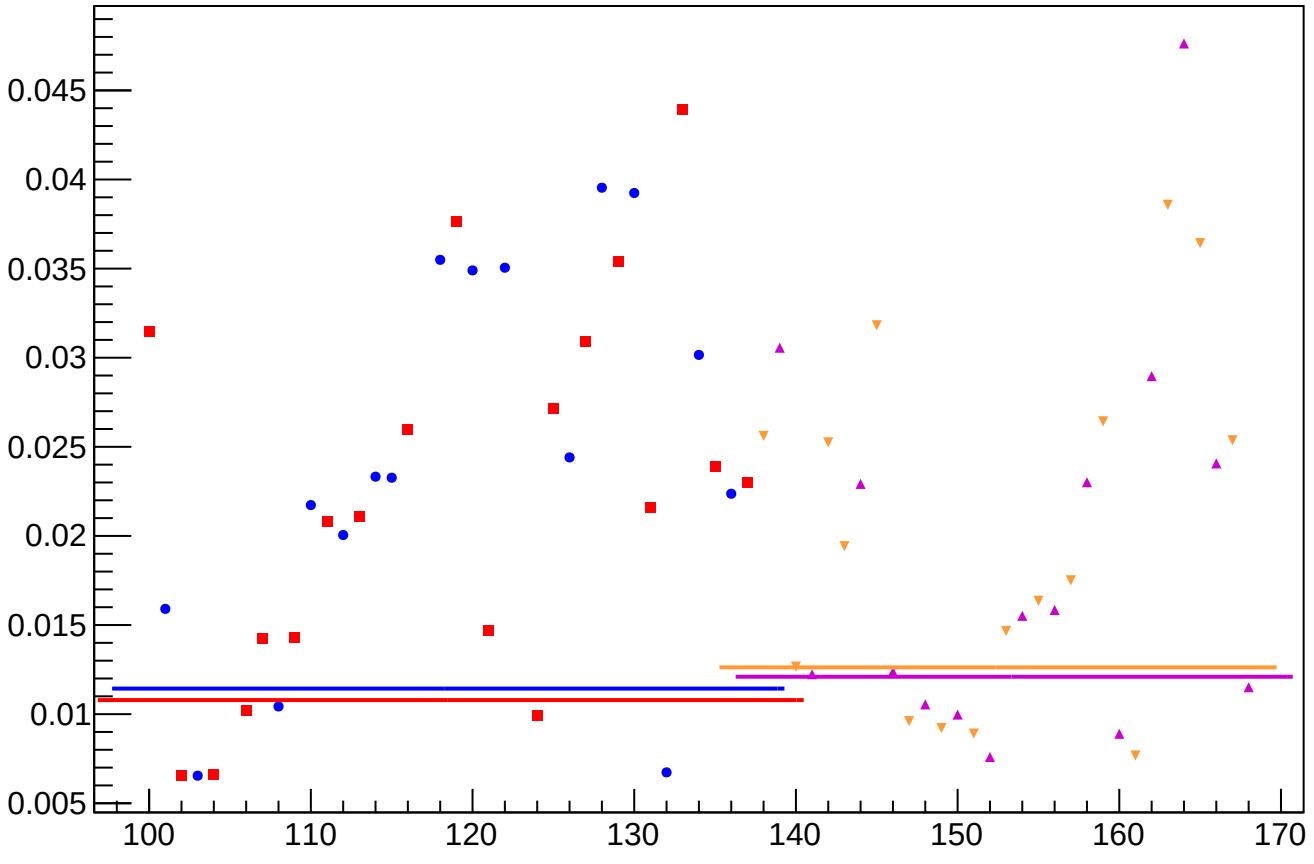
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:12.2/14

+ sign -0.000+/-0.000 χ^2/NDF: 45.1/31

All: -0.000+/-0.000 χ^2/NDF: 75.2/65

- sign -0.000+/-0.000 χ^2/NDF: 28.4/33



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:4765077.2/15

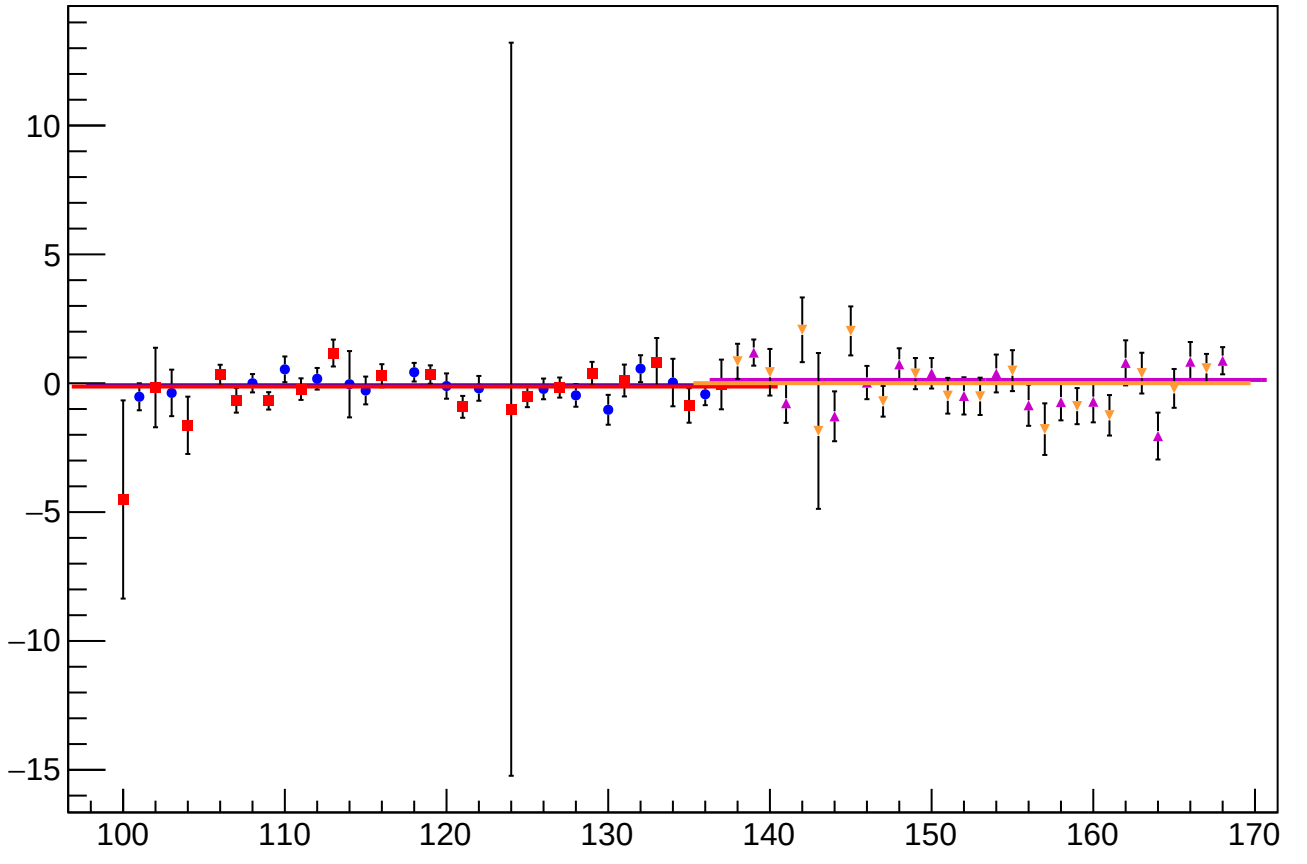
Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:3781794.5/14

+ sign 0.012+/-0.000 χ^2/NDF: 9528199.4/31

All: 0.012+/-0.000 χ^2/NDF: 17909083.3/65

- sign 0.012+/-0.000 χ^2/NDF: 8342867.1/33



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.003+/-0.190 χ^2/NDF:21.2/15

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

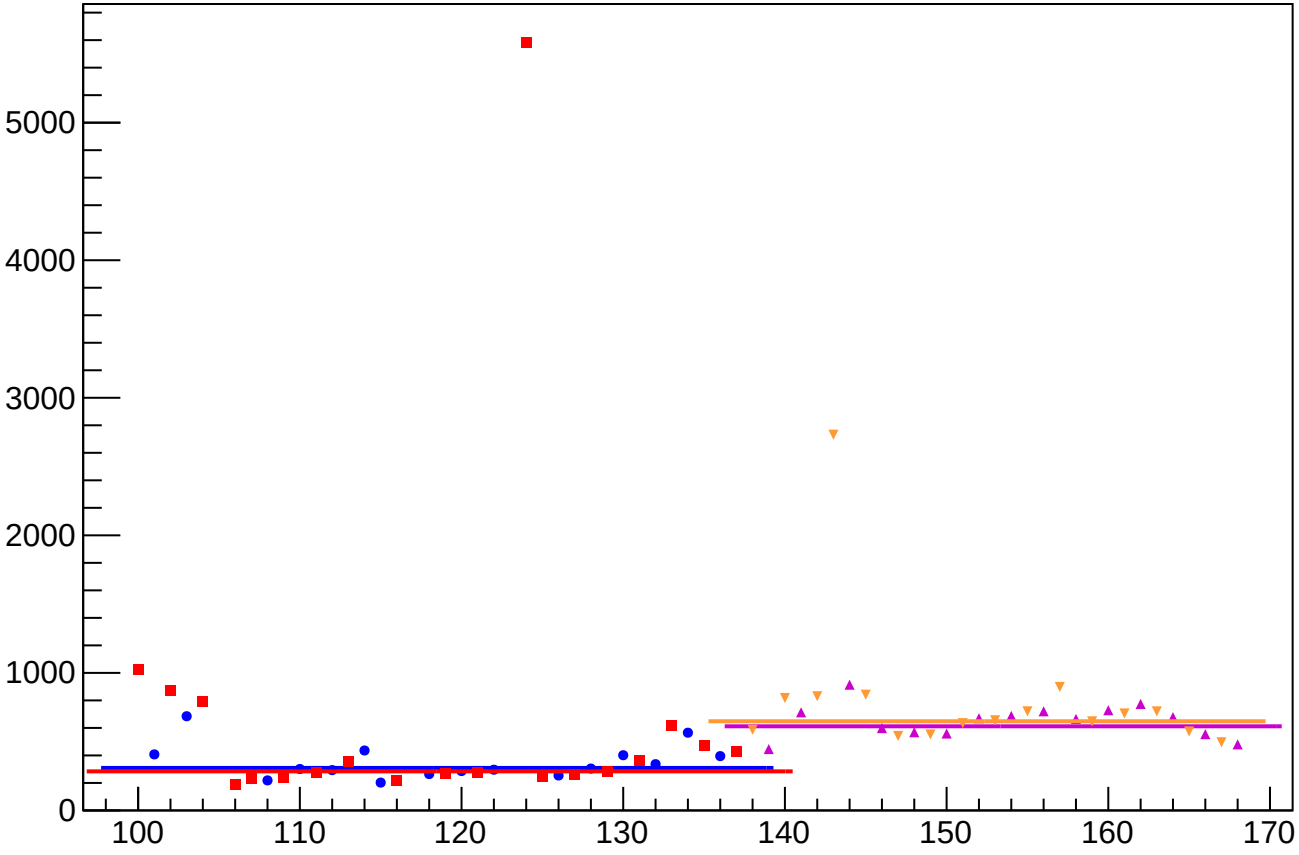
Left In: 0.128+/-0.179 χ^2/NDF:23.2/14

+ sign -0.056+/-0.103 χ^2/NDF: 32.1/31

All: -0.053+/-0.071 χ^2/NDF: 82.0/65

- sign -0.051+/-0.098 χ^2/NDF: 49.8/33

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: 648.417+/-0.135 χ^2/NDF:1612770.0/15

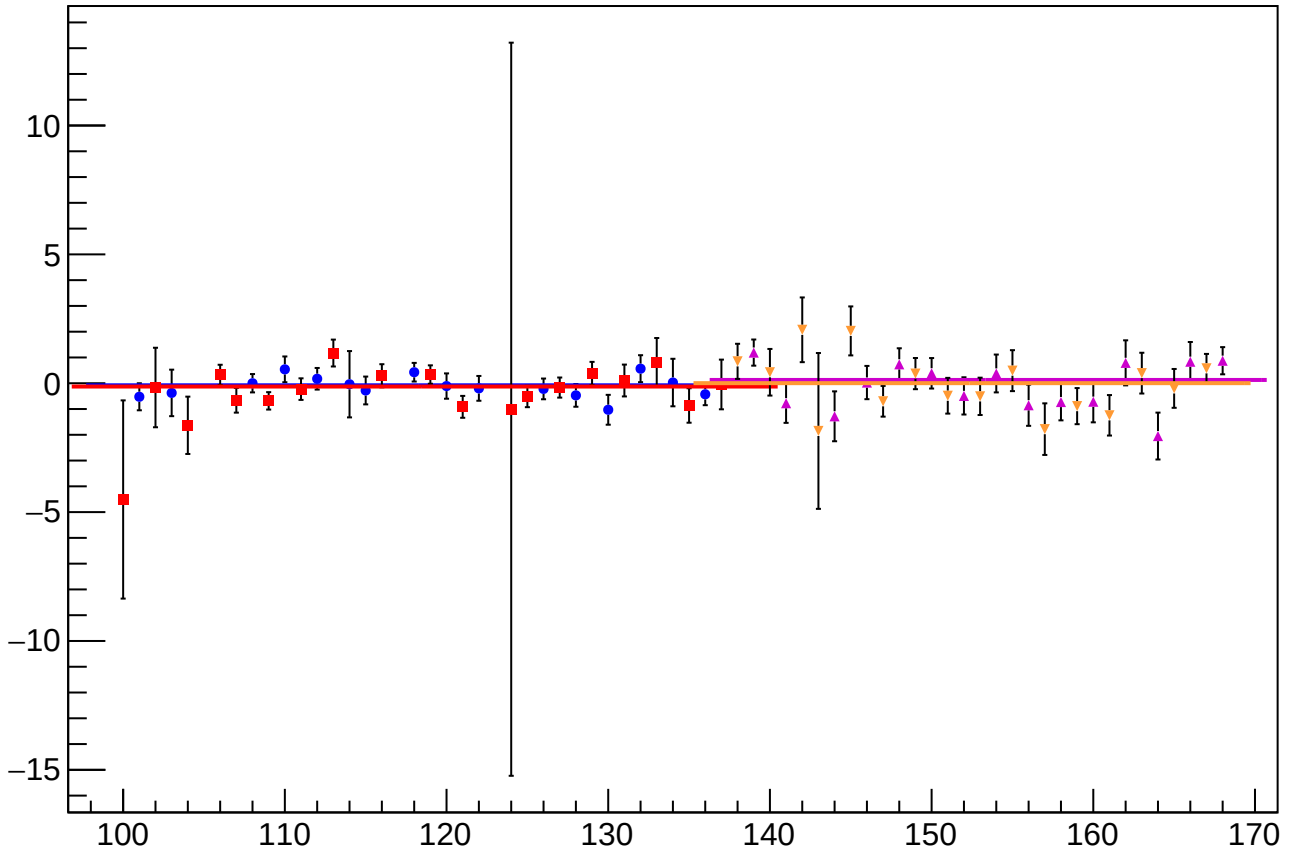
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 611.746+/-0.127 χ^2/NDF:809702.6/14

+ sign 407.645+/-0.073 χ^2/NDF: 7130831.9/31

All: 394.284+/-0.050 χ^2/NDF: 14556365.8/65

- sign 382.136+/-0.069 χ^2/NDF: 7360848.6/33



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.003+/-0.190 χ^2/NDF:21.2/15

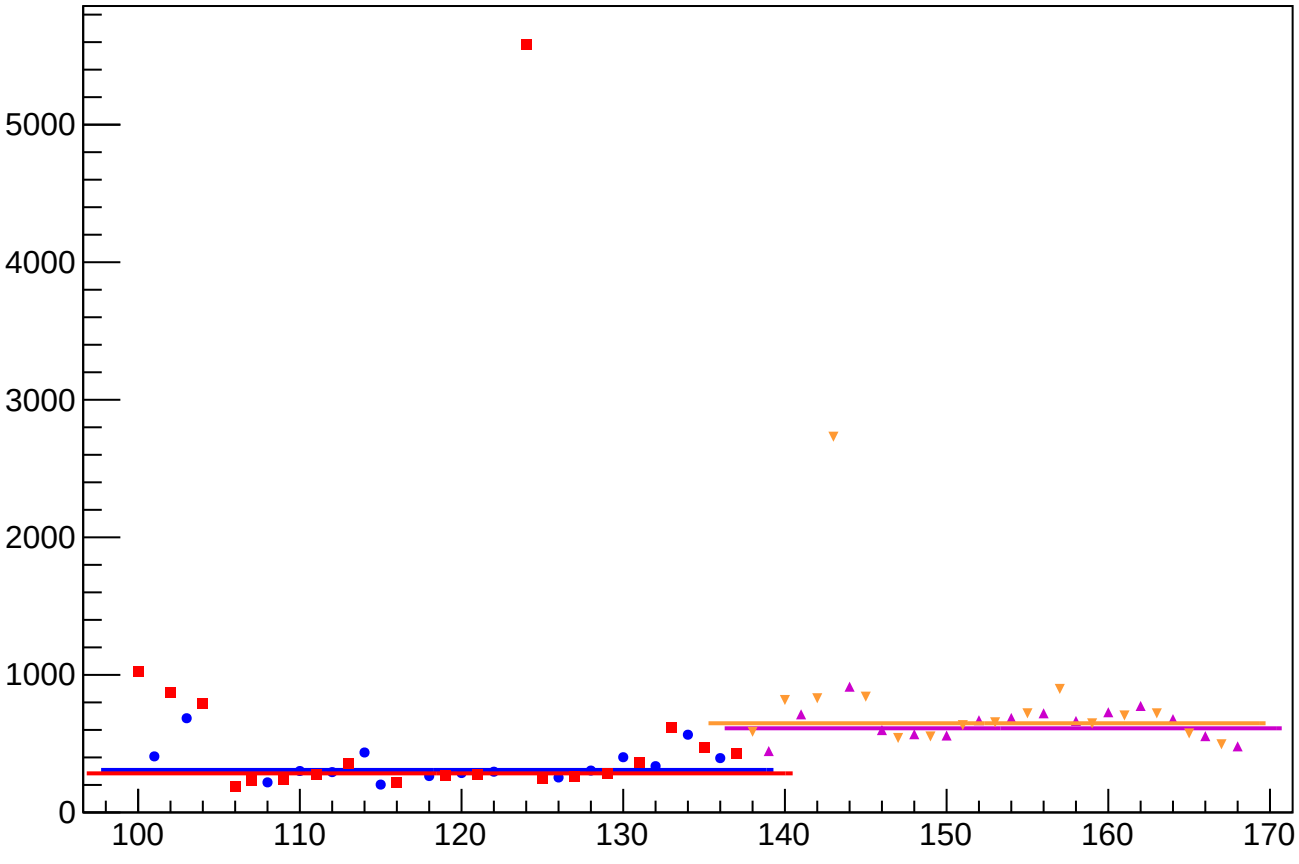
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.128+/-0.179 χ^2/NDF:23.2/14

+ sign -0.056+/-0.103 χ^2/NDF: 32.1/31

All: -0.053+/-0.071 χ^2/NDF: 82.0/65

- sign -0.051+/-0.098 χ^2/NDF: 49.8/33



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 648.417+/-0.135 χ^2/NDF:1612770.0/15

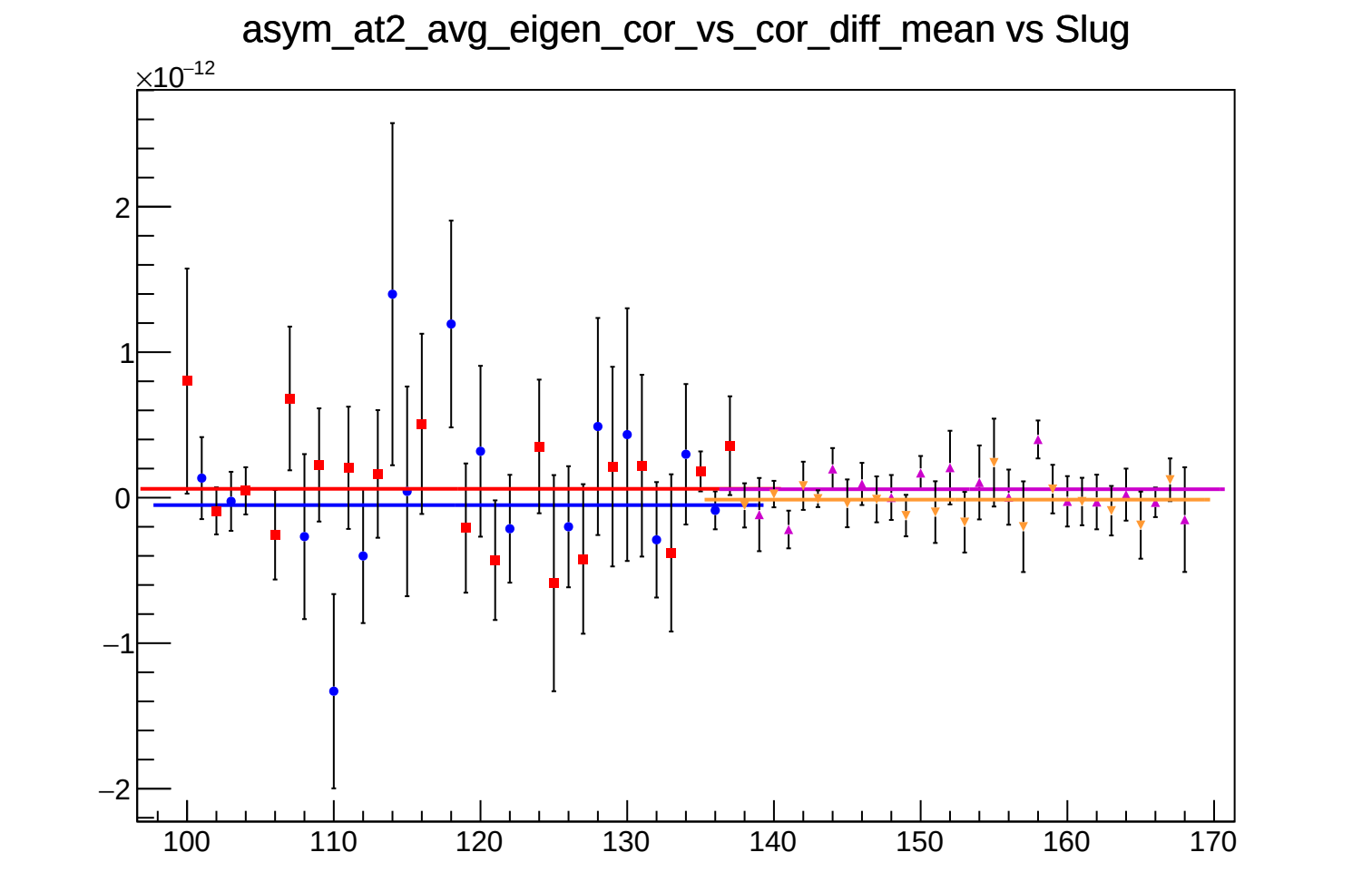
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 611.746+/-0.127 χ^2/NDF:809702.6/14

+ sign 407.645+/-0.073 χ^2/NDF: 7130831.9/31

All: 394.284+/-0.050 χ^2/NDF: 14556365.8/65

- sign 382.136+/-0.069 χ^2/NDF: 7360848.6/33



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/15

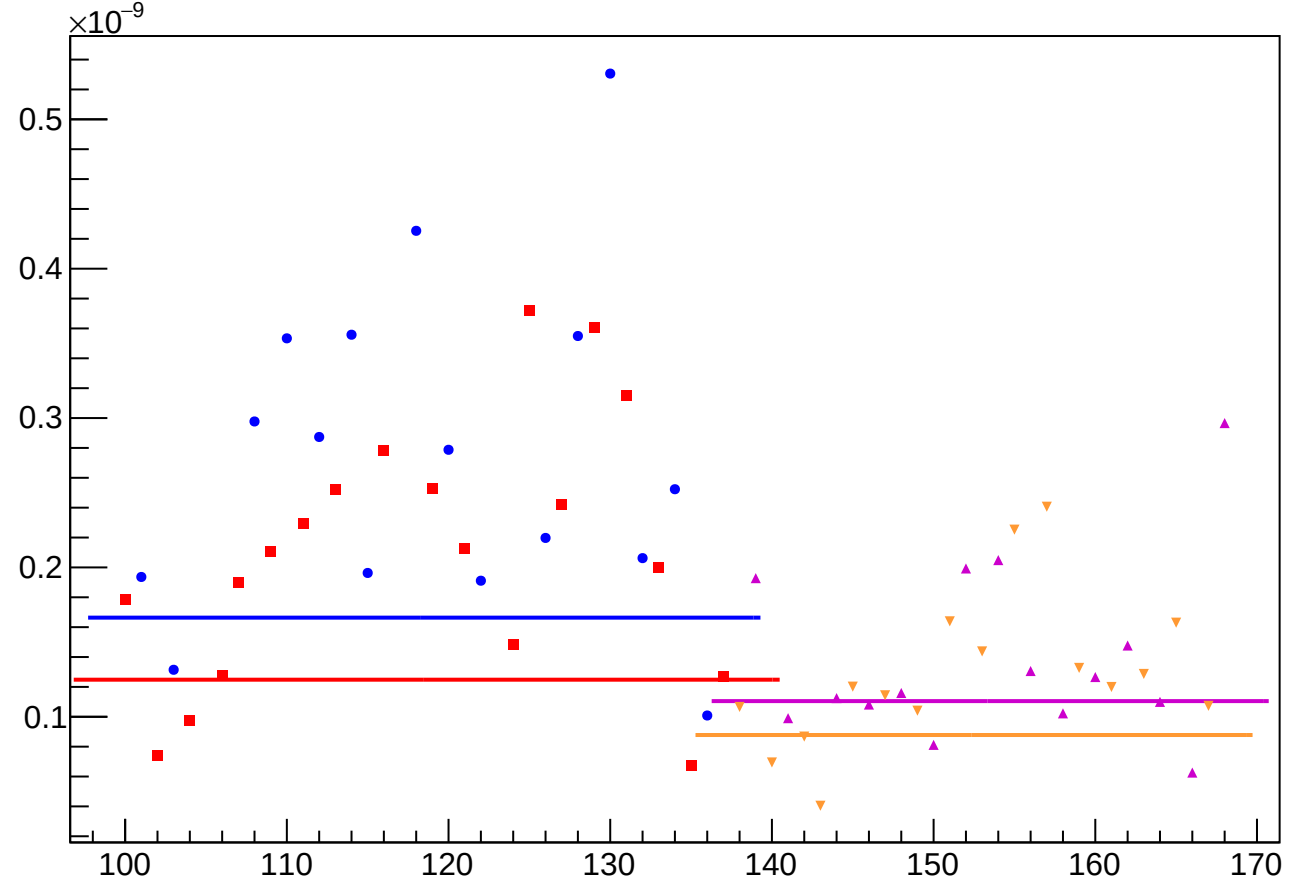
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.1/14

+ sign -0.000+/-0.000 χ^2/NDF: 17.0/31

All: 0.000+/-0.000 χ^2/NDF: 47.1/65

- sign 0.000+/-0.000 χ^2/NDF: 27.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3504522.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

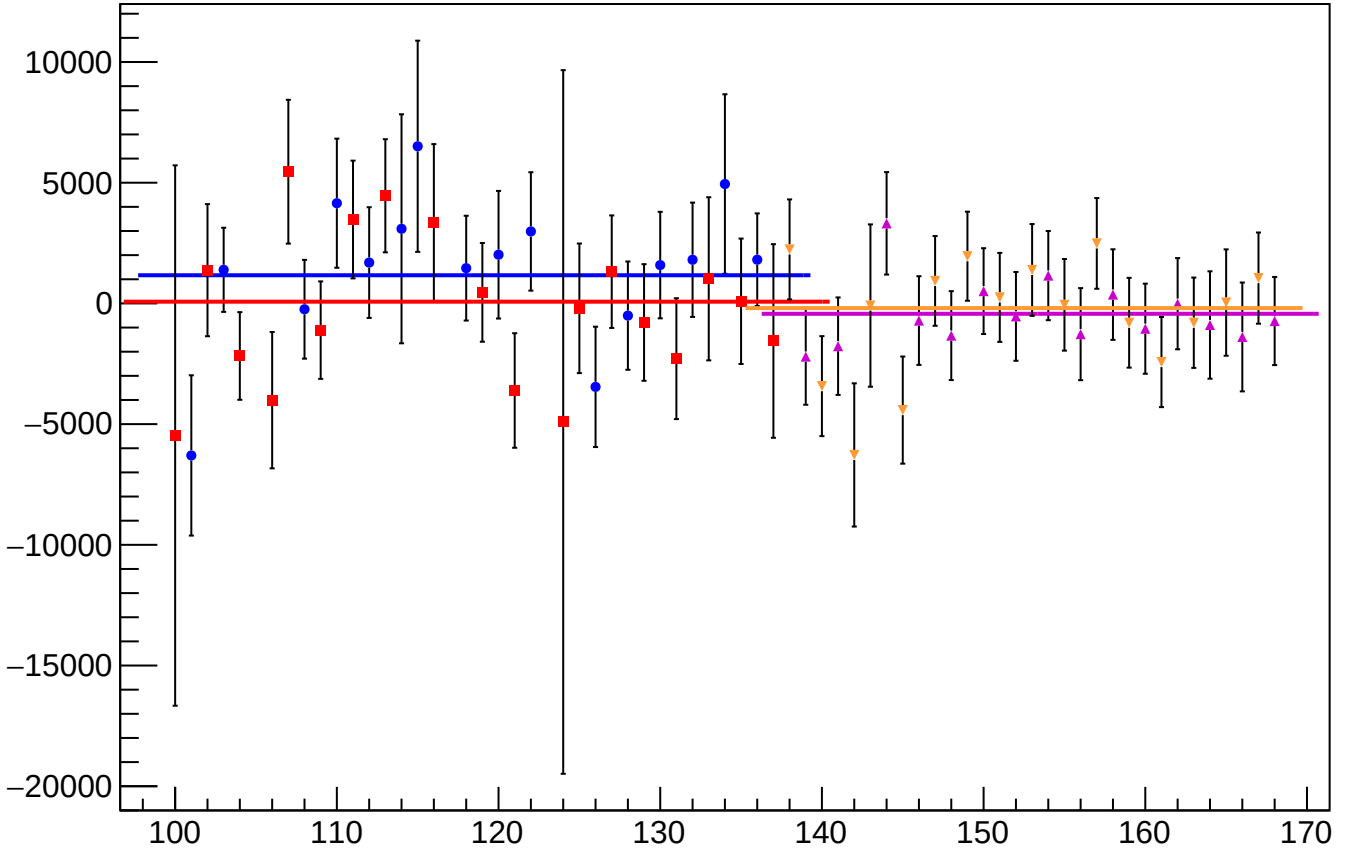
Left In: 0.000+/-0.000 χ^2/NDF:1985344.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 6978828.1/31

All: 0.000+/-0.000 χ^2/NDF: 11448467.5/65

- sign 0.000+/-0.000 χ^2/NDF: 4257505.1/33

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -193.498+/-504.124 χ^2/NDF:18.2/15

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

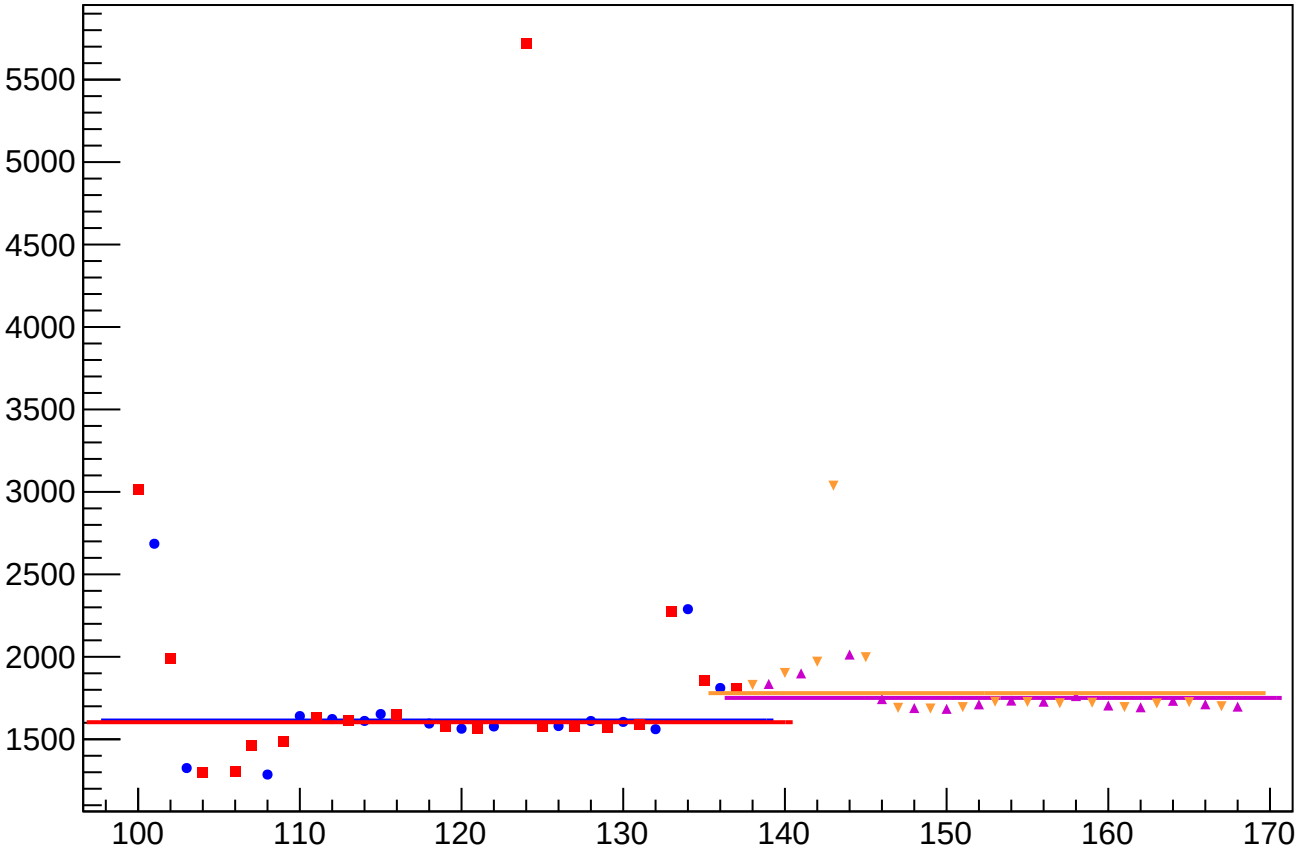
Left In: -429.755+/-497.527 χ^2/NDF:6.4/14

+ sign 359.455+/-388.380 χ^2/NDF: 35.6/31

All: 62.995+/-273.012 χ^2/NDF: 61.9/65

- sign -226.599+/-383.856 χ^2/NDF: 25.1/33

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1779.722+/-0.356 χ^2/NDF:347862.8/15

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

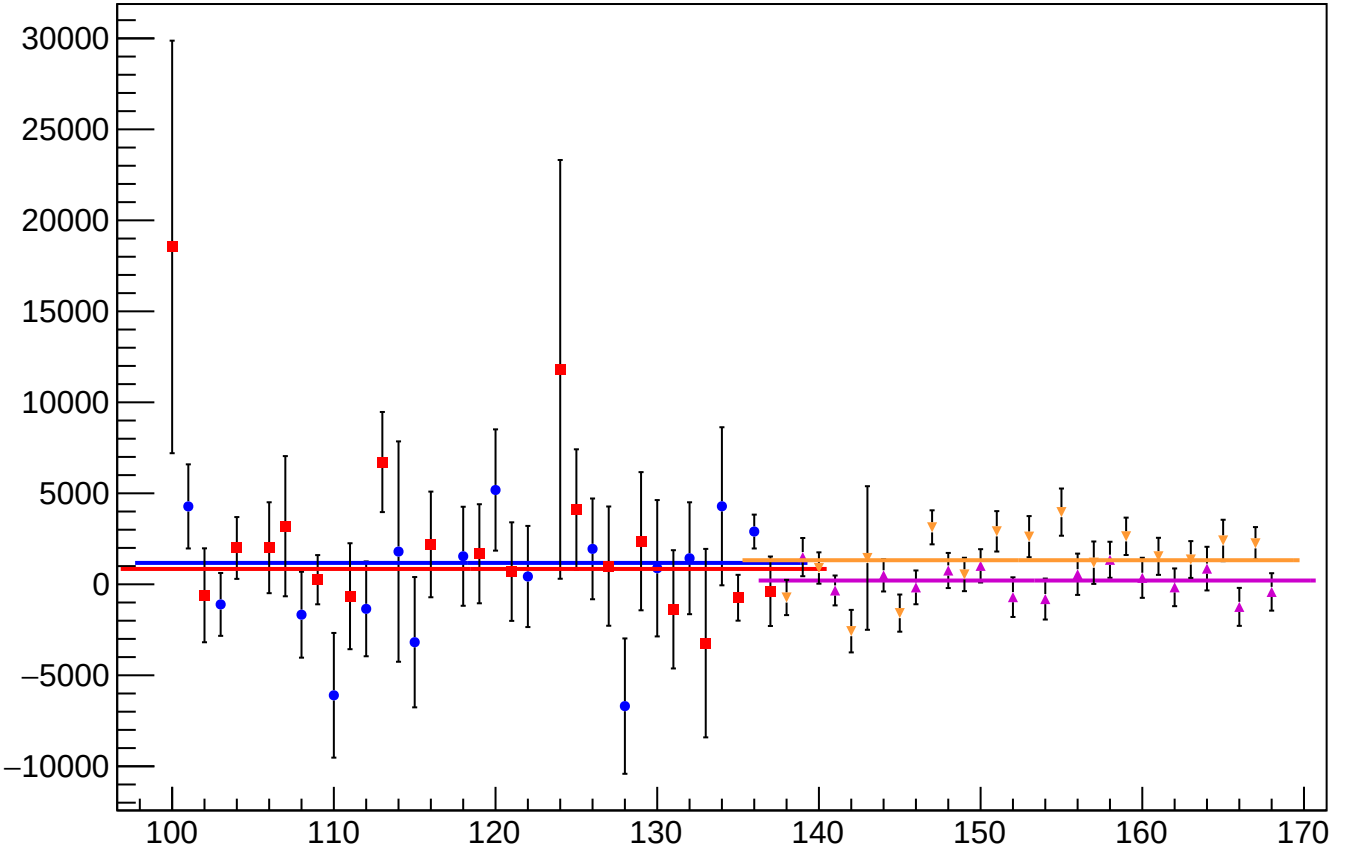
Left In: 1750.760+/-0.352 χ^2/NDF:56954.6/14

+ sign 1712.228+/-0.275 χ^2/NDF: 840749.6/31

All: 1701.562+/-0.193 χ^2/NDF: 1397430.9/65

- sign 1691.143+/-0.271 χ^2/NDF: 553699.4/33

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 1323.348+/-264.065 χ^2/NDF:39.6/15

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

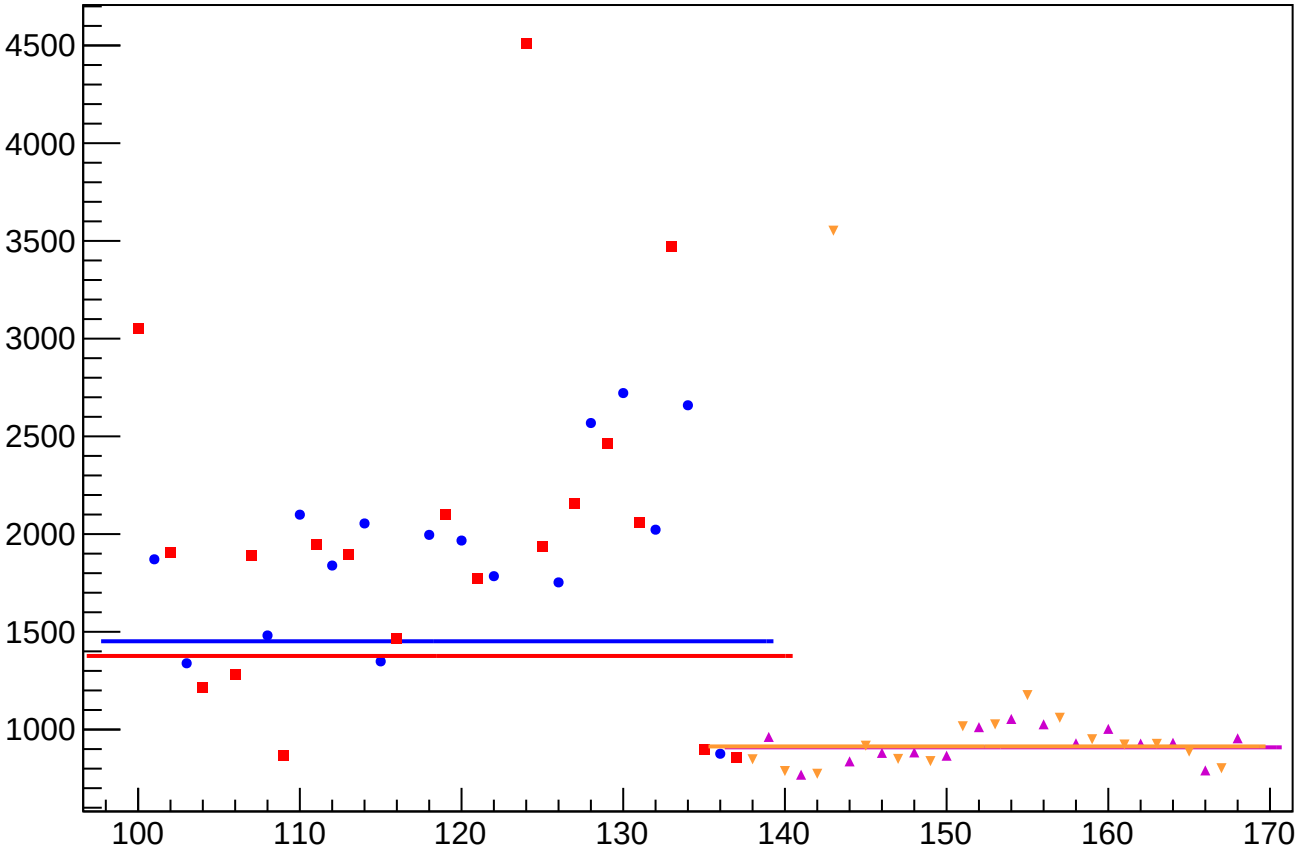
Left In: 208.050+/-259.636 χ^2/NDF:9.0/14

+ sign 1297.892+/-240.262 χ^2/NDF: 61.7/31

All: 799.578+/-168.131 χ^2/NDF: 94.4/65

- sign 321.393+/-235.359 χ^2/NDF: 24.3/33

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 913.600+/-0.187 χ^2/NDF:1184269.5/15

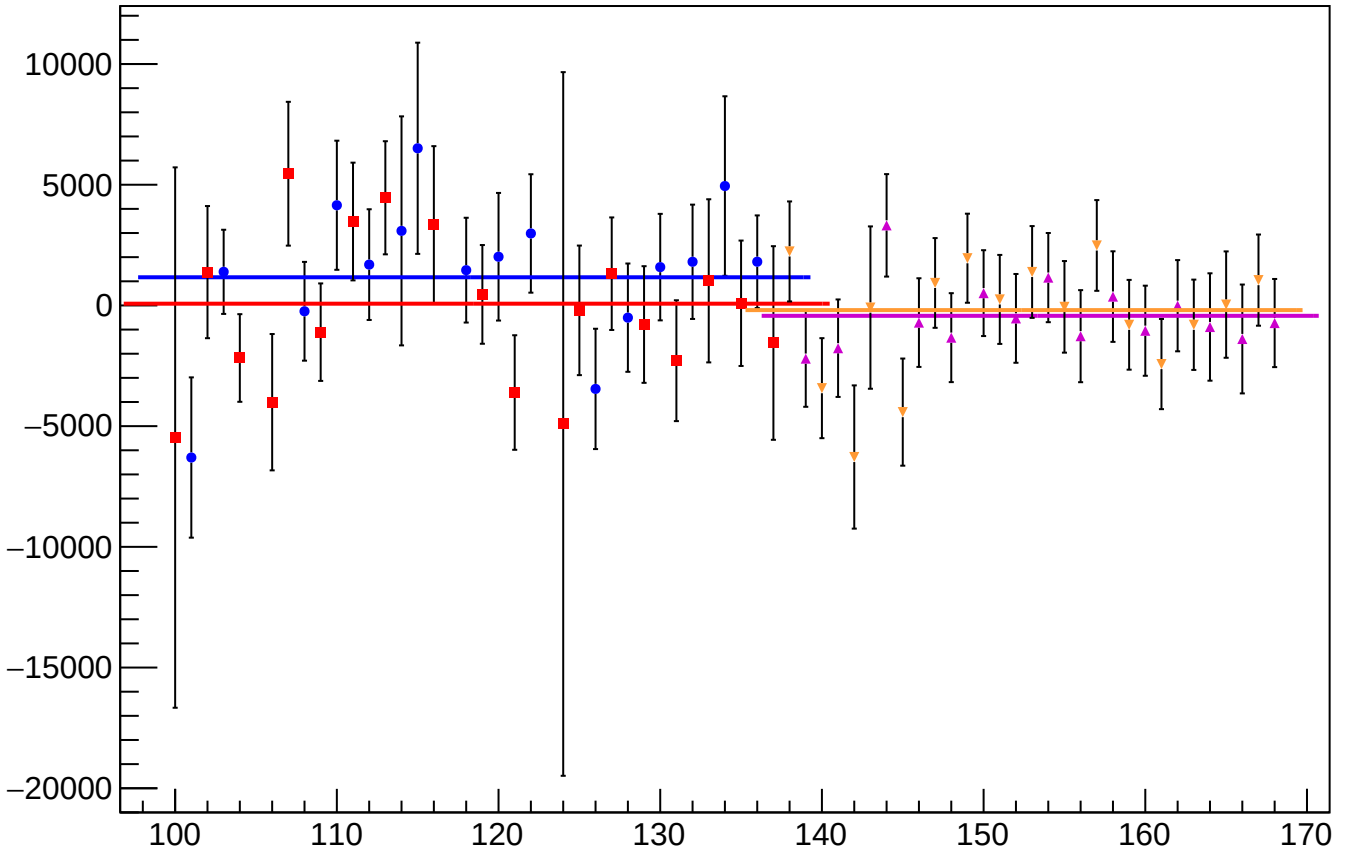
Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 908.931+/-0.184 χ^2/NDF:203750.8/14

+ sign 1006.224+/-0.170 χ^2/NDF: 4404476.9/31

All: 999.107+/-0.119 χ^2/NDF: 7899837.4/65

- sign 992.277+/-0.166 χ^2/NDF: 3491921.3/33



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -193.649+/-504.124 χ^2/NDF:18.2/15

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

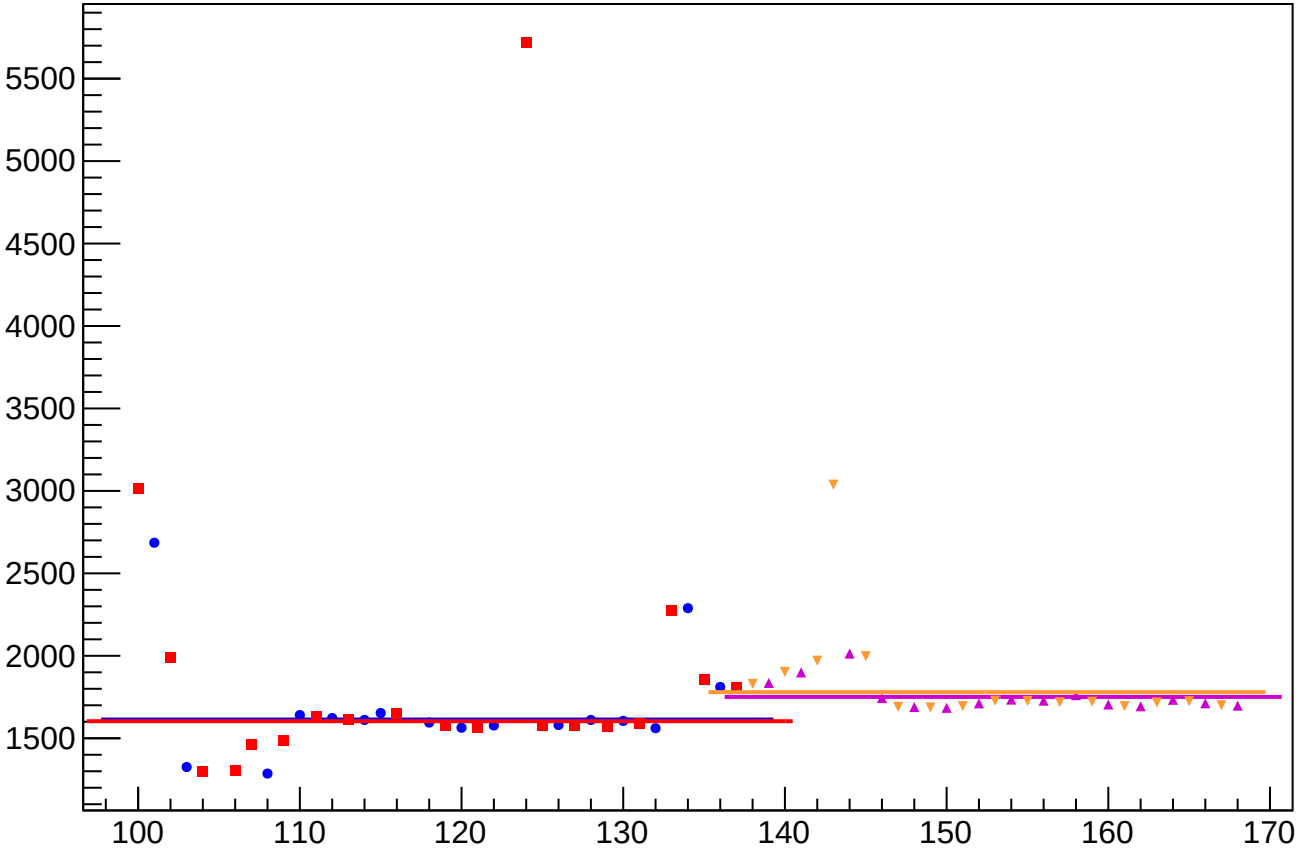
Left In: -429.688+/-497.527 χ^2/NDF:6.4/14

+ sign 359.327+/-388.380 χ^2/NDF: 35.6/31

All: 63.017+/-273.012 χ^2/NDF: 61.9/65

- sign -226.430+/-383.856 χ^2/NDF: 25.1/33

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1779.722+/-0.356 χ^2/NDF:347862.8/15

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

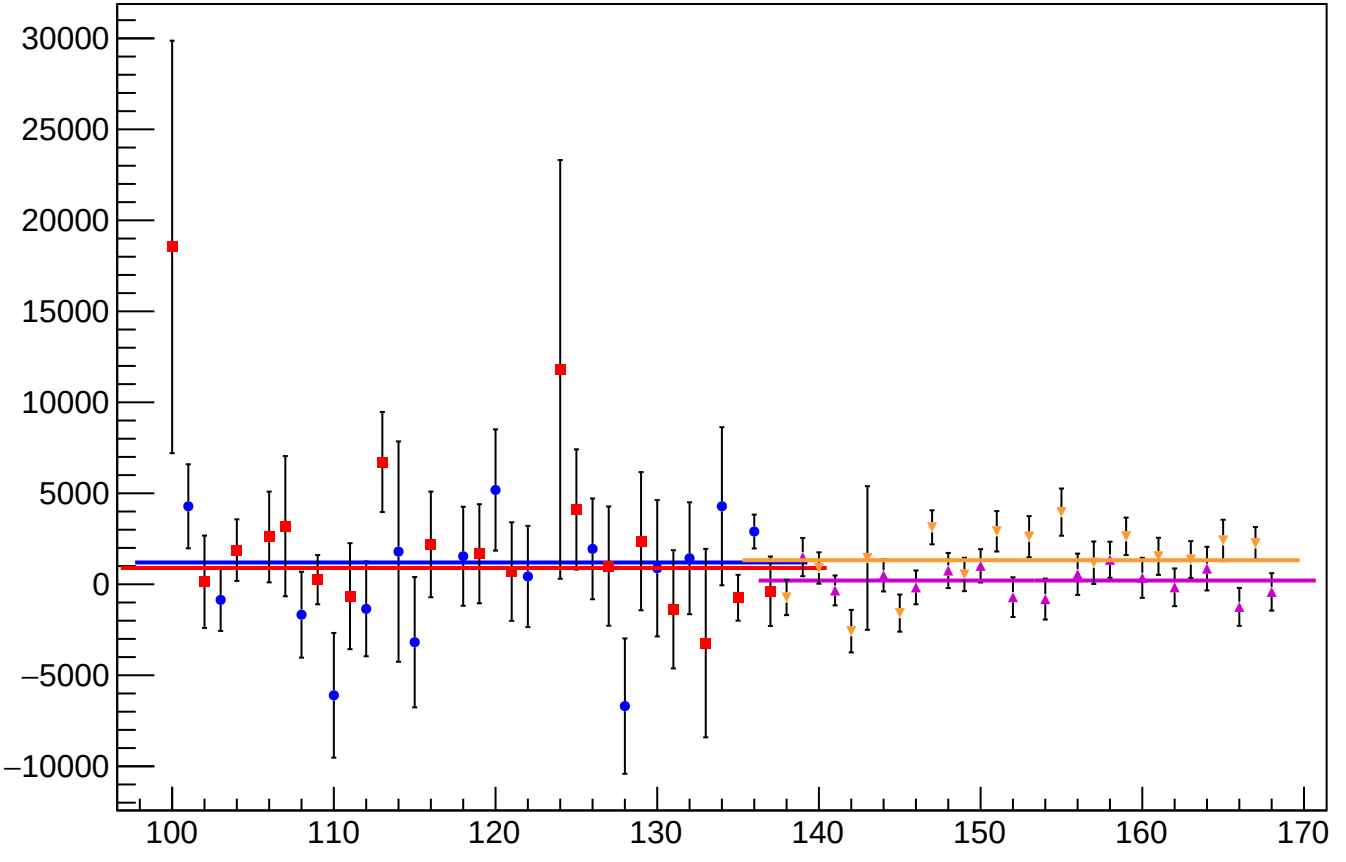
Left In: 1750.760+/-0.352 χ^2/NDF:56954.6/14

+ sign 1712.228+/-0.275 χ^2/NDF: 840750.0/31

All: 1701.562+/-0.193 χ^2/NDF: 1397431.4/65

- sign 1691.143+/-0.271 χ^2/NDF: 553699.6/33

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1323.389+/-264.068 χ^2/NDF:39.6/15

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

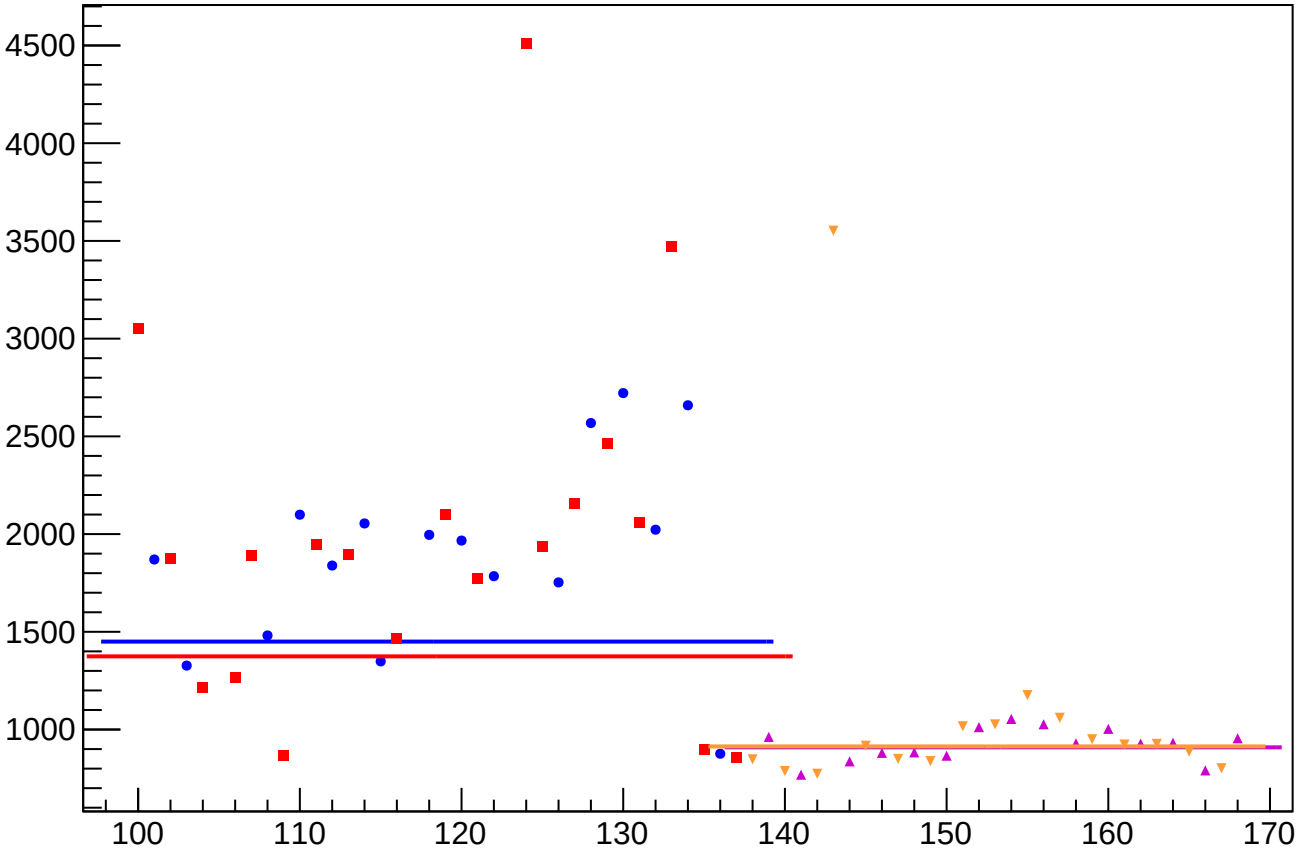
Left In: 207.942+/-259.636 χ^2/NDF:9.0/14

+ sign 1301.810+/-240.205 χ^2/NDF: 61.3/31

All: 806.282+/-168.090 χ^2/NDF: 94.1/65

- sign 330.783+/-235.301 χ^2/NDF: 24.5/33

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 913.613+/-0.187 χ^2/NDF:1184169.1/15

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

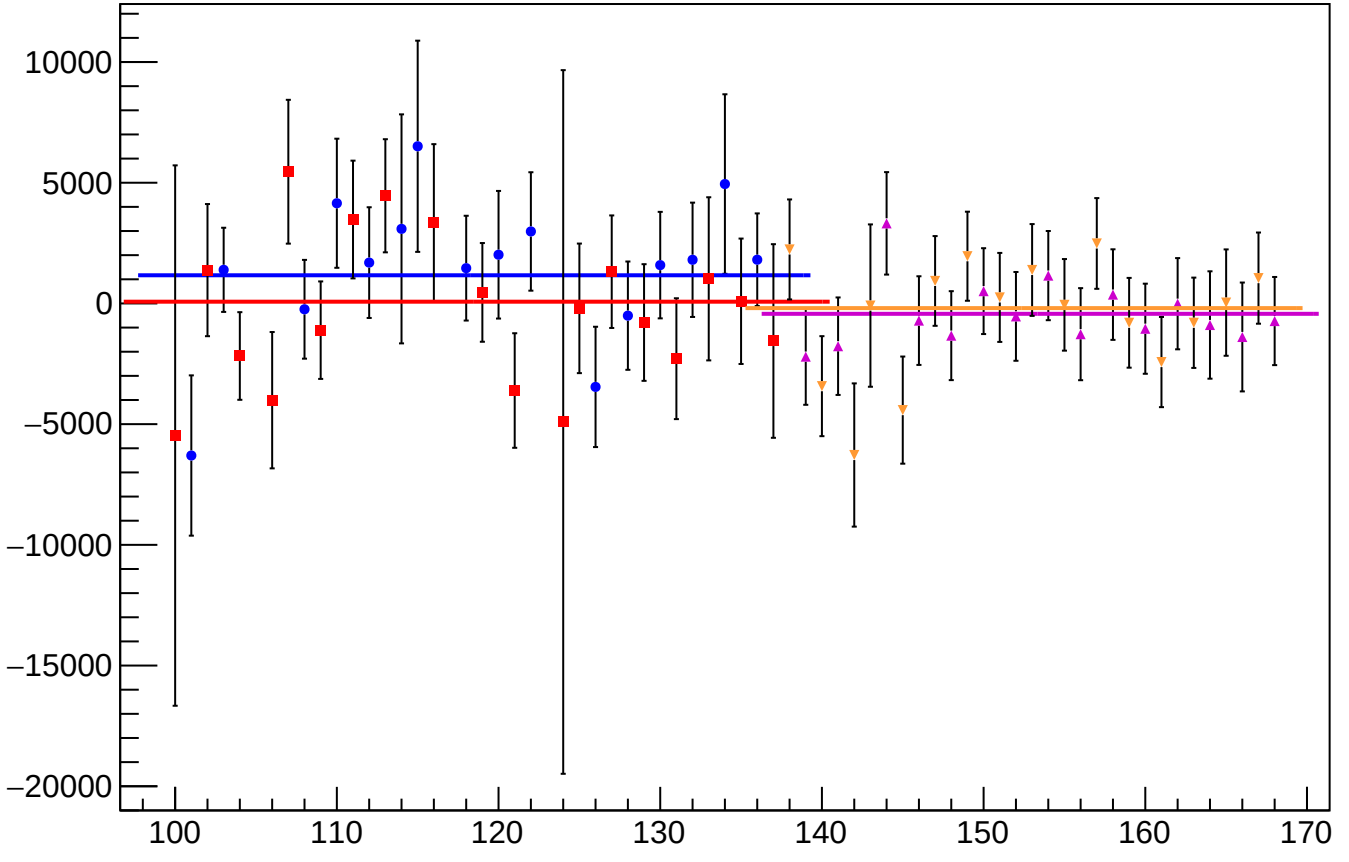
Left In: 908.929+/-0.184 χ^2/NDF:203801.5/14

+ sign 1006.163+/-0.170 χ^2/NDF: 4400497.3/31

All: 998.988+/-0.119 χ^2/NDF: 7884204.4/65

- sign 992.103+/-0.166 χ^2/NDF: 3480210.1/33

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -193.649+/-504.124 χ^2/NDF:18.2/15

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

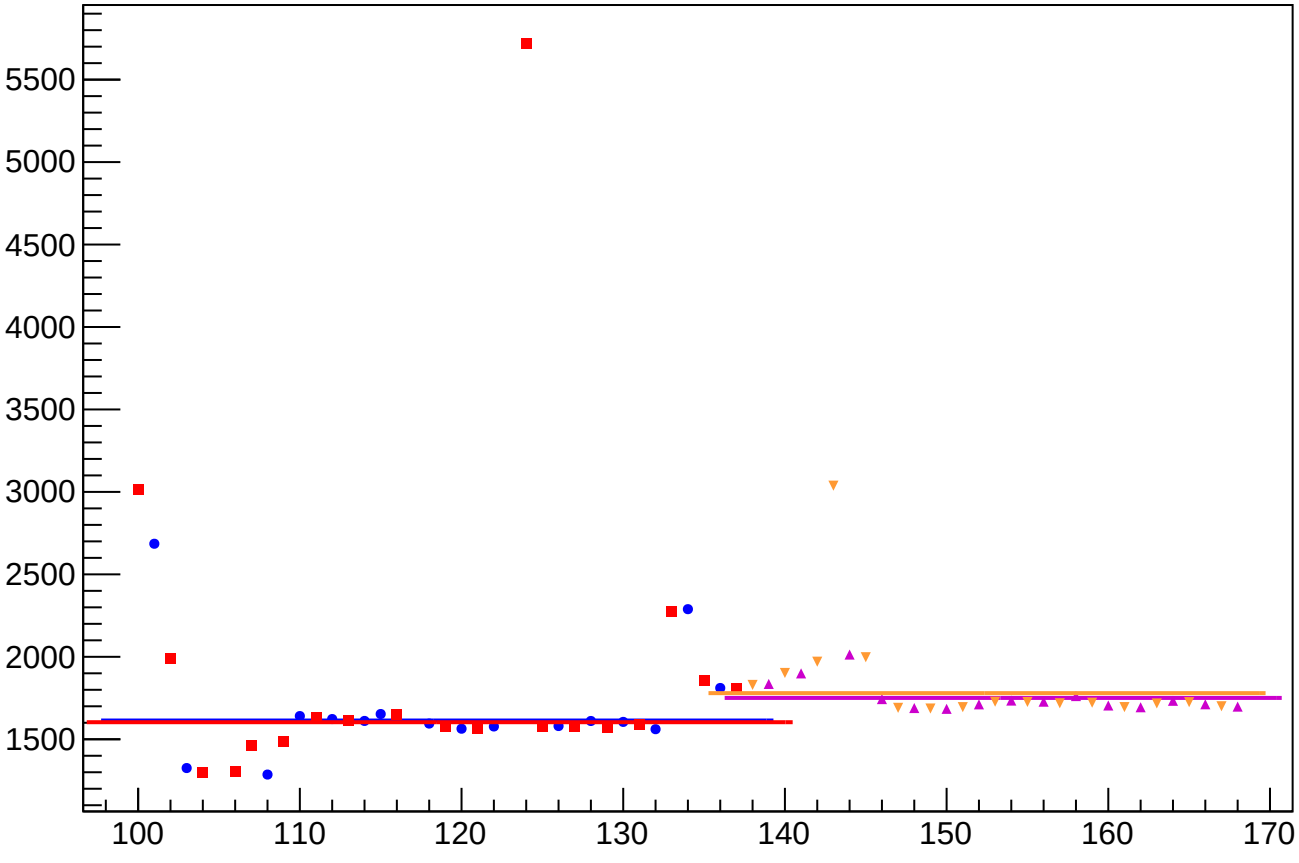
Left In: -429.688+/-497.527 χ^2/NDF:6.4/14

+ sign 359.327+/-388.380 χ^2/NDF: 35.6/31

All: 63.017+/-273.012 χ^2/NDF: 61.9/65

- sign -226.430+/-383.856 χ^2/NDF: 25.1/33

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1779.722+/-0.356 χ^2/NDF:347862.8/15

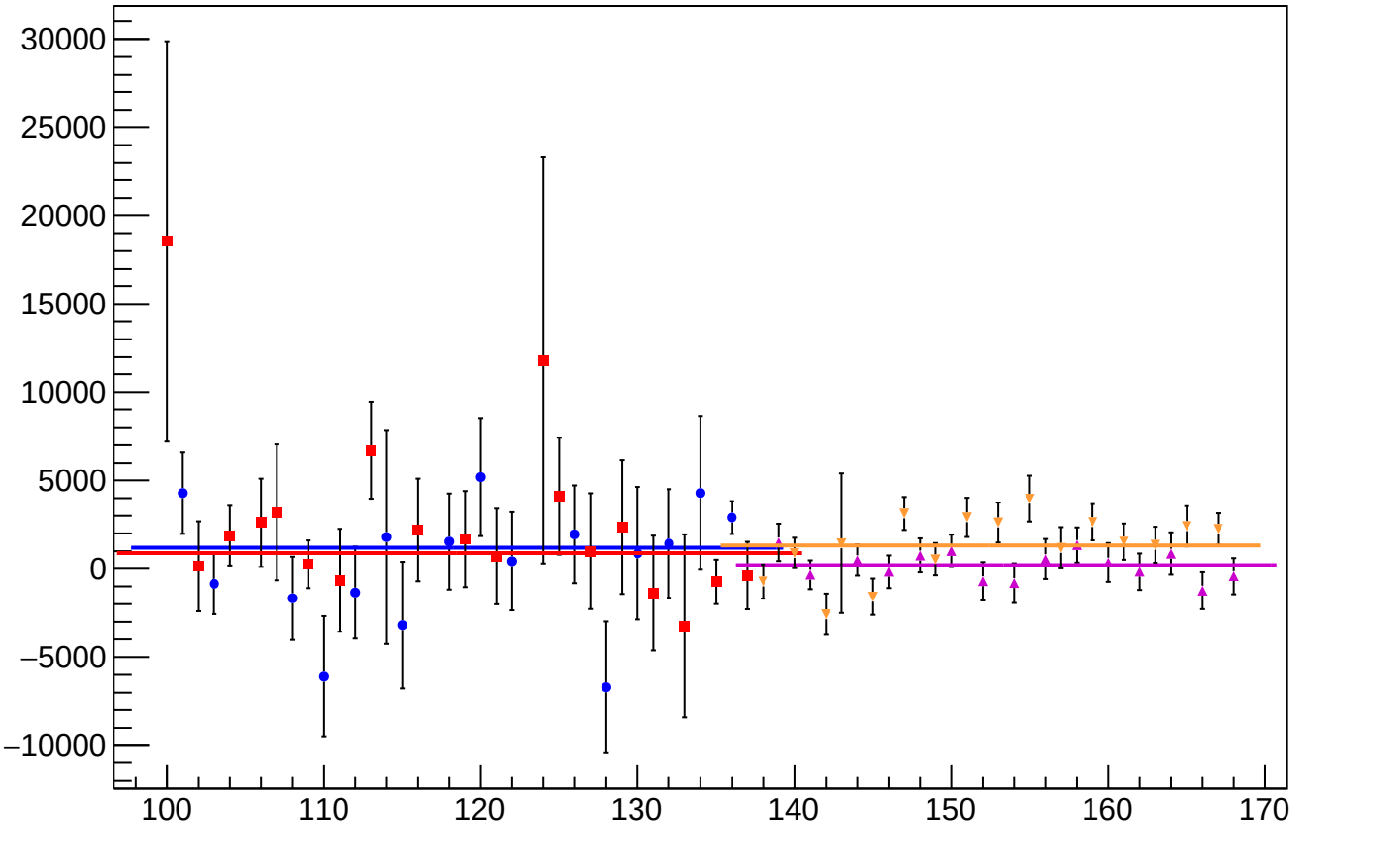
Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1750.760+/-0.352 χ^2/NDF:56954.6/14

+ sign 1712.228+/-0.275 χ^2/NDF: 840750.0/31

All: 1701.562+/-0.193 χ^2/NDF: 1397431.4/65

- sign 1691.143+/-0.271 χ^2/NDF: 553699.6/33



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1323.389+/-264.068 χ^2/NDF:39.6/15

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

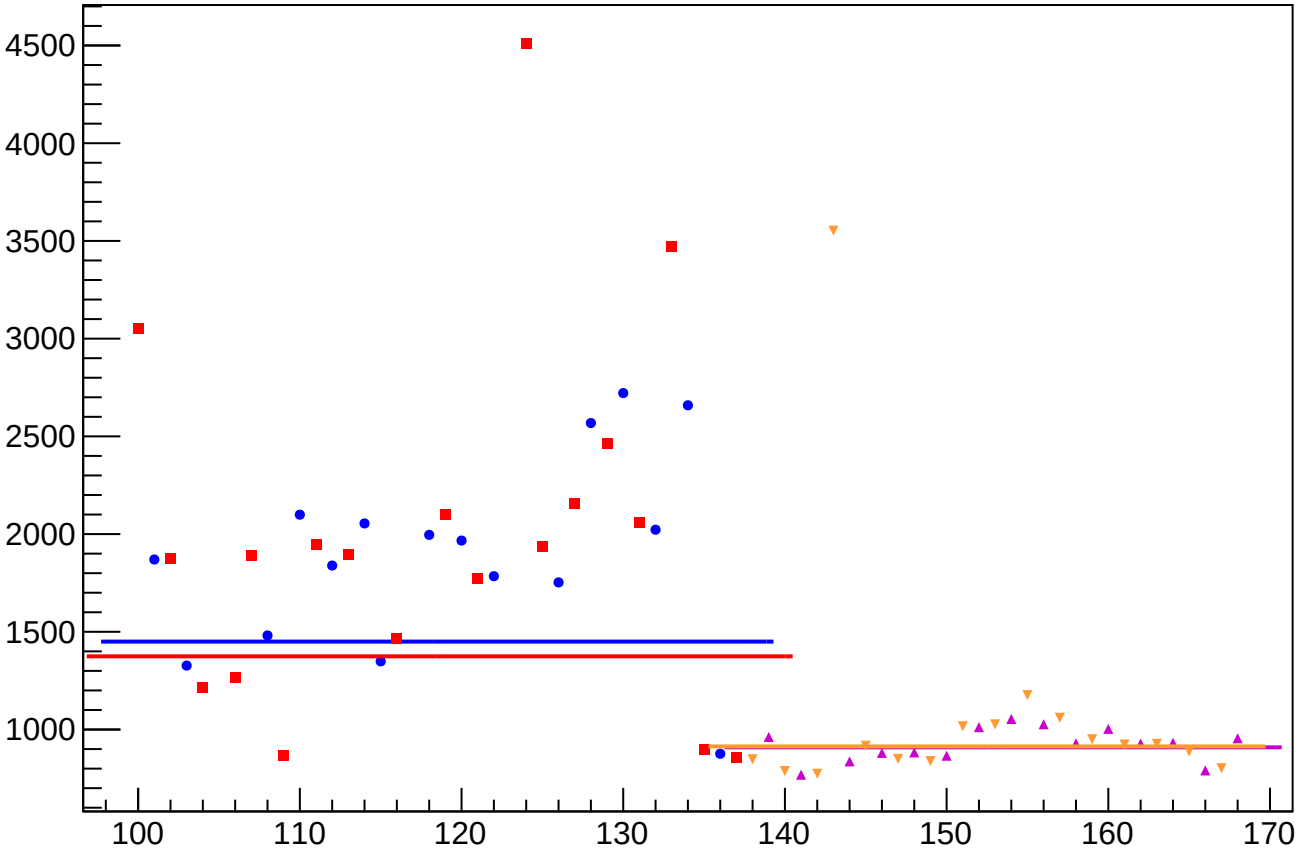
Left In: 207.942+/-259.636 χ^2/NDF:9.0/14

+ sign 1301.810+/-240.205 χ^2/NDF: 61.3/31

All: 806.282+/-168.090 χ^2/NDF: 94.1/65

- sign 330.783+/-235.301 χ^2/NDF: 24.5/33

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 913.613+/-0.187 χ^2/NDF:1184169.1/15

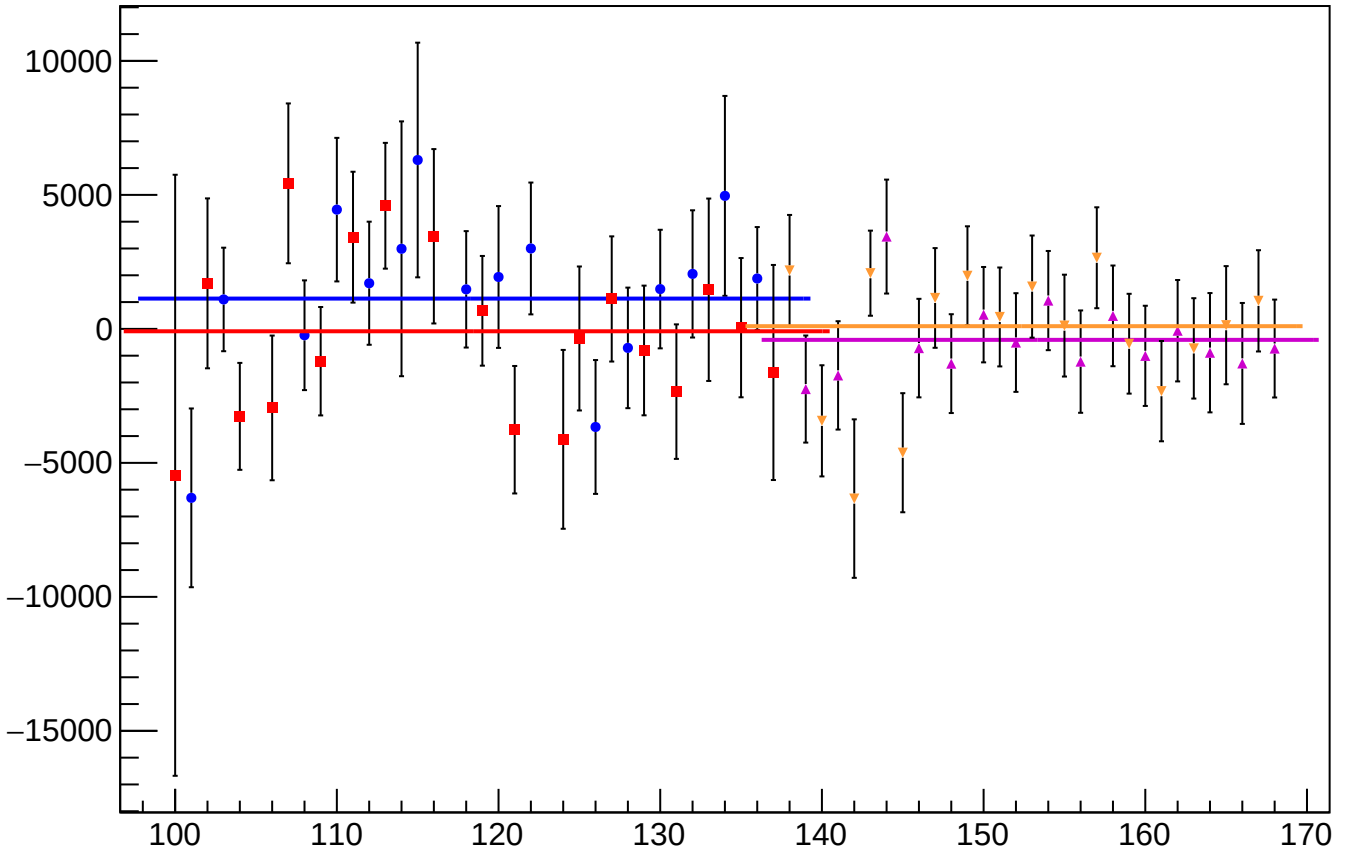
Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 908.929+/-0.184 χ^2/NDF:203801.5/14

+ sign 1006.163+/-0.170 χ^2/NDF: 4400497.3/31

All: 998.988+/-0.119 χ^2/NDF: 7884204.4/65

- sign 992.103+/-0.166 χ^2/NDF: 3480210.1/33



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 100.876+/-485.968 χ^2/NDF:20.8/15

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

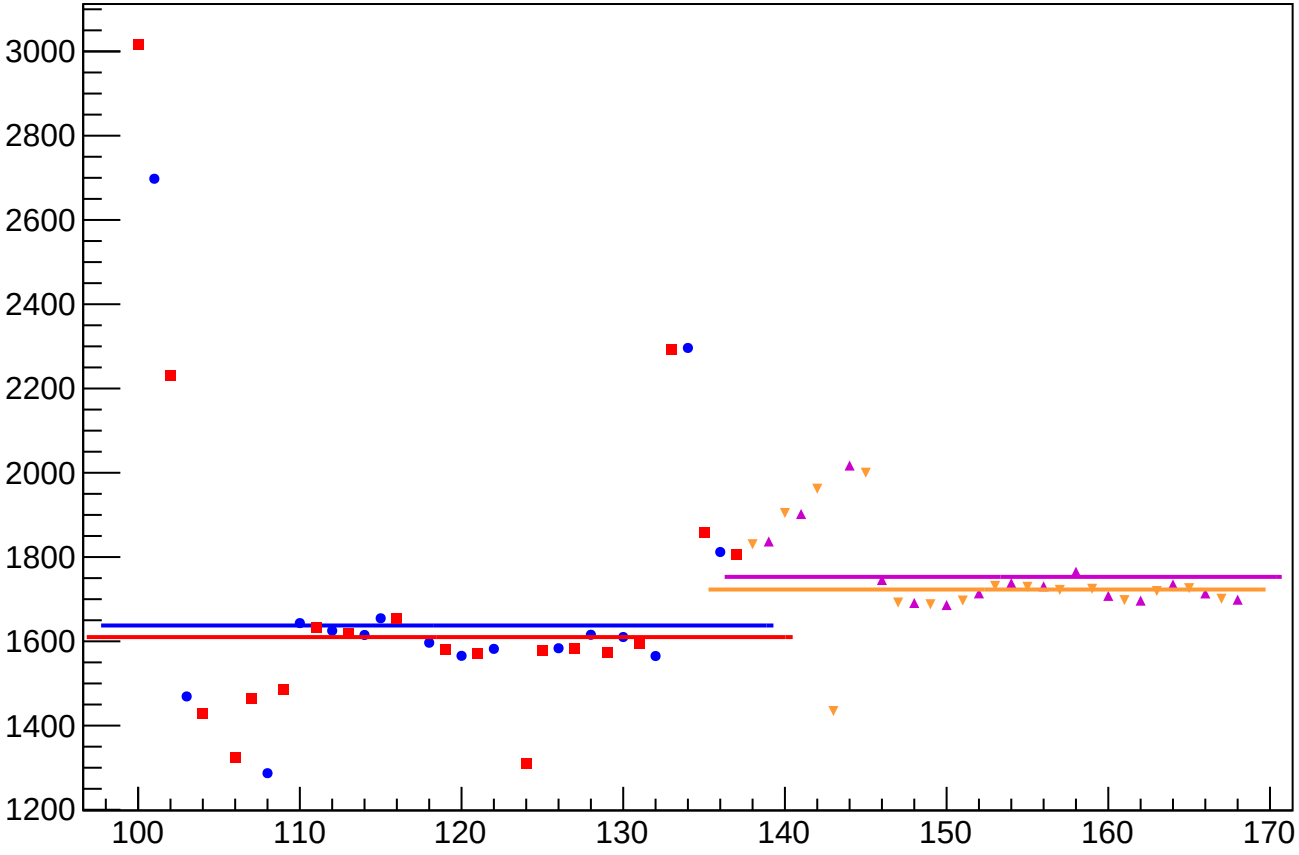
Left In: -409.466+/-498.148 χ^2/NDF:6.5/14

+ sign 494.972+/-381.826 χ^2/NDF: 37.5/31

All: 109.961+/-270.780 χ^2/NDF: 66.9/65

- sign -279.582+/-384.066 χ^2/NDF: 27.4/33

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1722.944+/-0.344 χ^2/NDF:133231.5/15

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

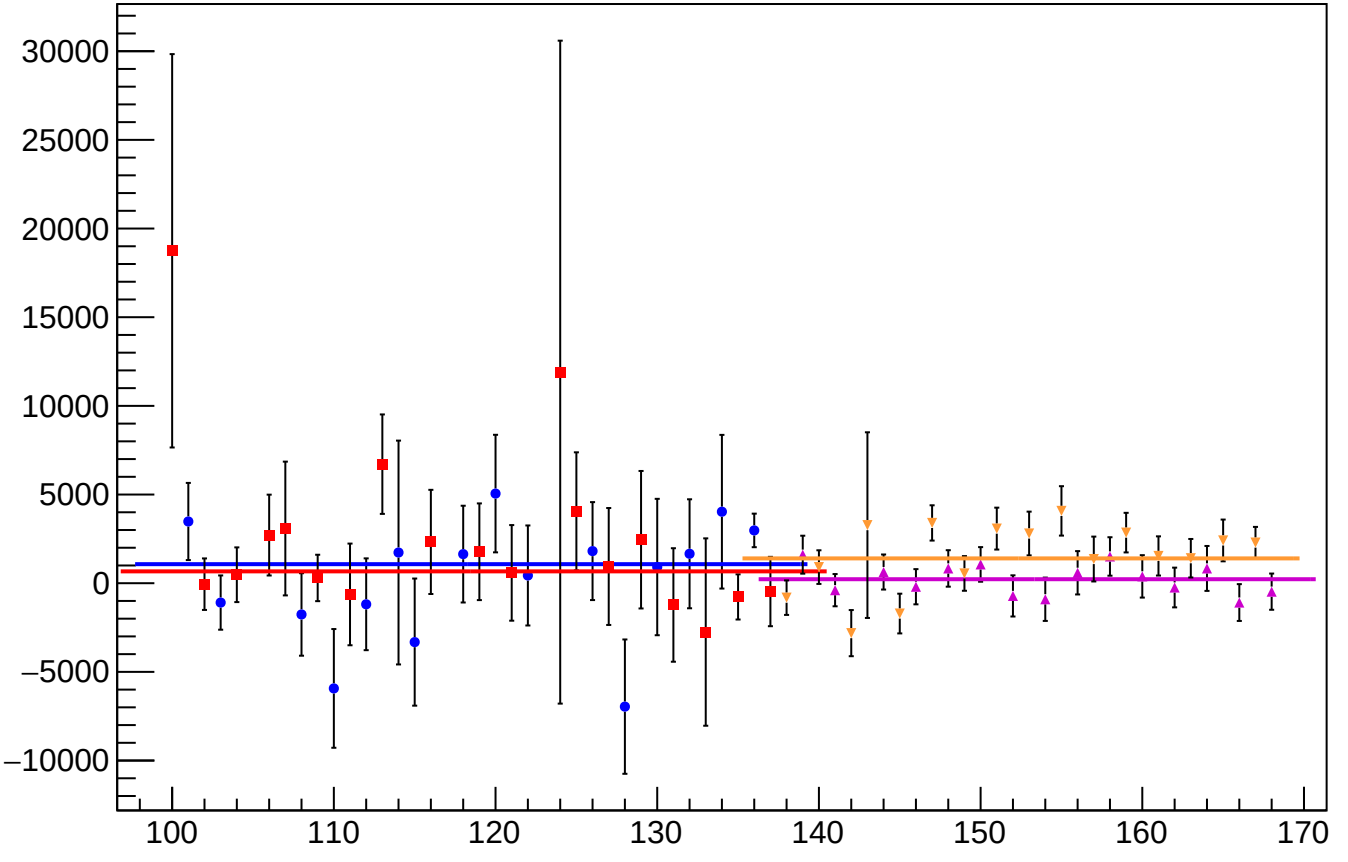
Left In: 1752.928+/-0.352 χ^2/NDF:57246.6/14

+ sign 1690.275+/-0.270 χ^2/NDF: 518266.9/31

All: 1692.612+/-0.191 χ^2/NDF: 923212.4/65

- sign 1694.977+/-0.272 χ^2/NDF: 404794.7/33

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1398.944+/-281.303 χ^2/NDF:39.0/15

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

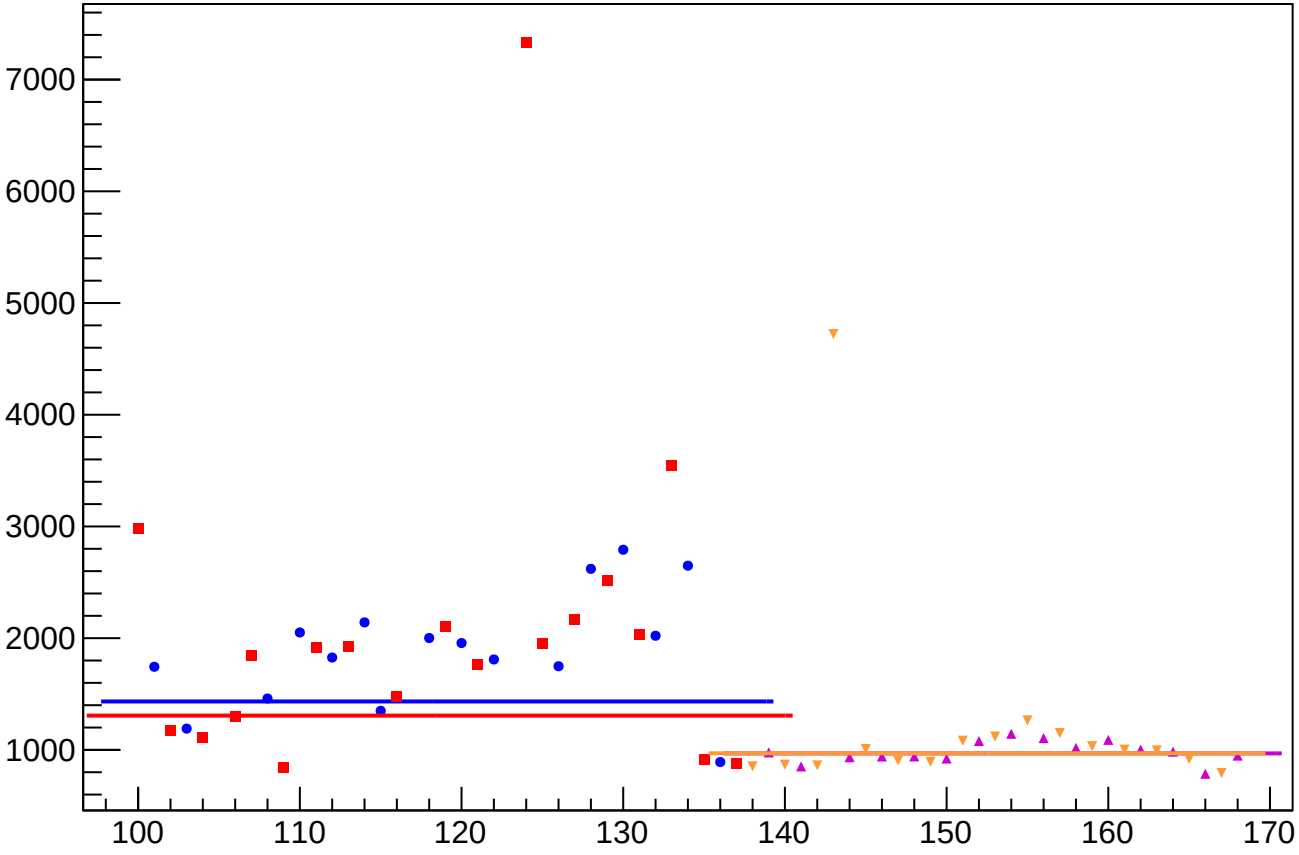
Left In: 225.237+/-276.724 χ^2/NDF:9.1/14

+ sign 1335.512+/-252.395 χ^2/NDF: 61.3/31

All: 812.900+/-175.666 χ^2/NDF: 92.8/65

- sign 321.893+/-244.645 χ^2/NDF: 23.2/33

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 969.535+/-0.199 χ^2/NDF:1387165.8/15

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

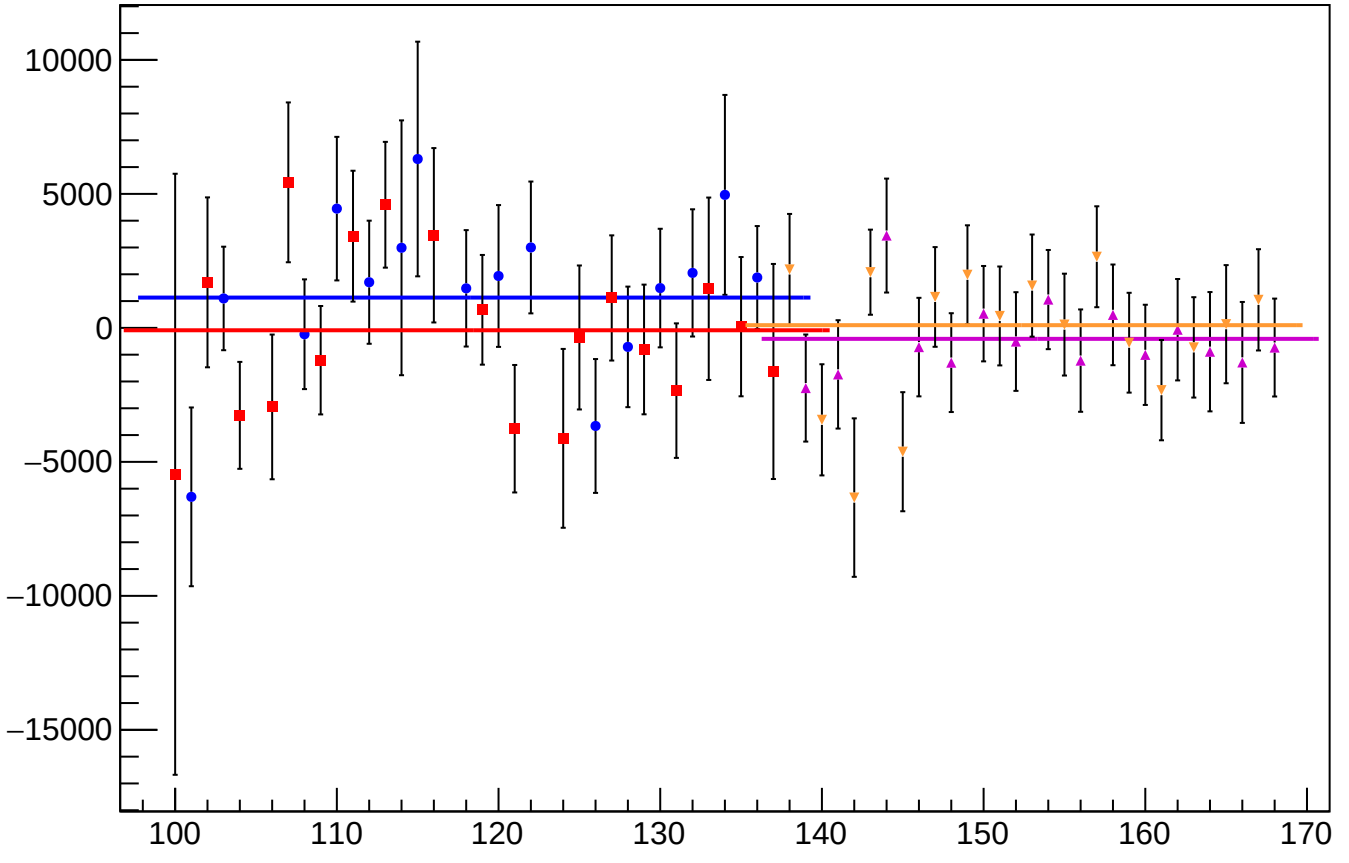
Left In: 968.537+/-0.196 χ^2/NDF:216754.4/14

+ sign 1059.989+/-0.178 χ^2/NDF: 4211309.4/31

All: 1050.937+/-0.124 χ^2/NDF: 7269926.6/65

- sign 1042.432+/-0.173 χ^2/NDF: 3053627.9/33

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 100.870+/-485.968 χ^2/NDF:20.8/15

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

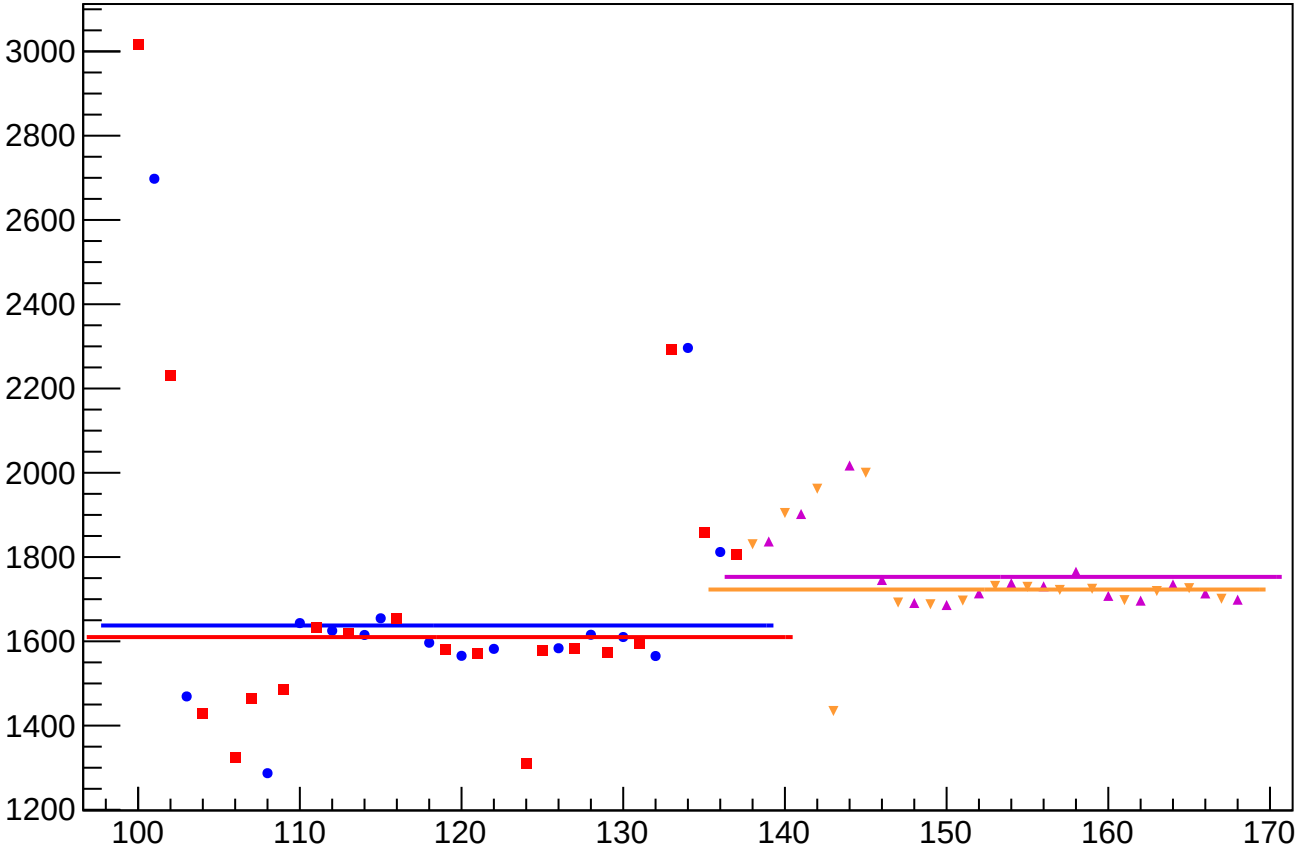
Left In: -409.468+/-498.148 χ^2/NDF:6.5/14

+ sign 494.969+/-381.826 χ^2/NDF: 37.5/31

All: 109.958+/-270.780 χ^2/NDF: 66.9/65

- sign -279.585+/-384.066 χ^2/NDF: 27.4/33

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1722.944+/-0.344 χ^2/NDF:133230.4/15

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

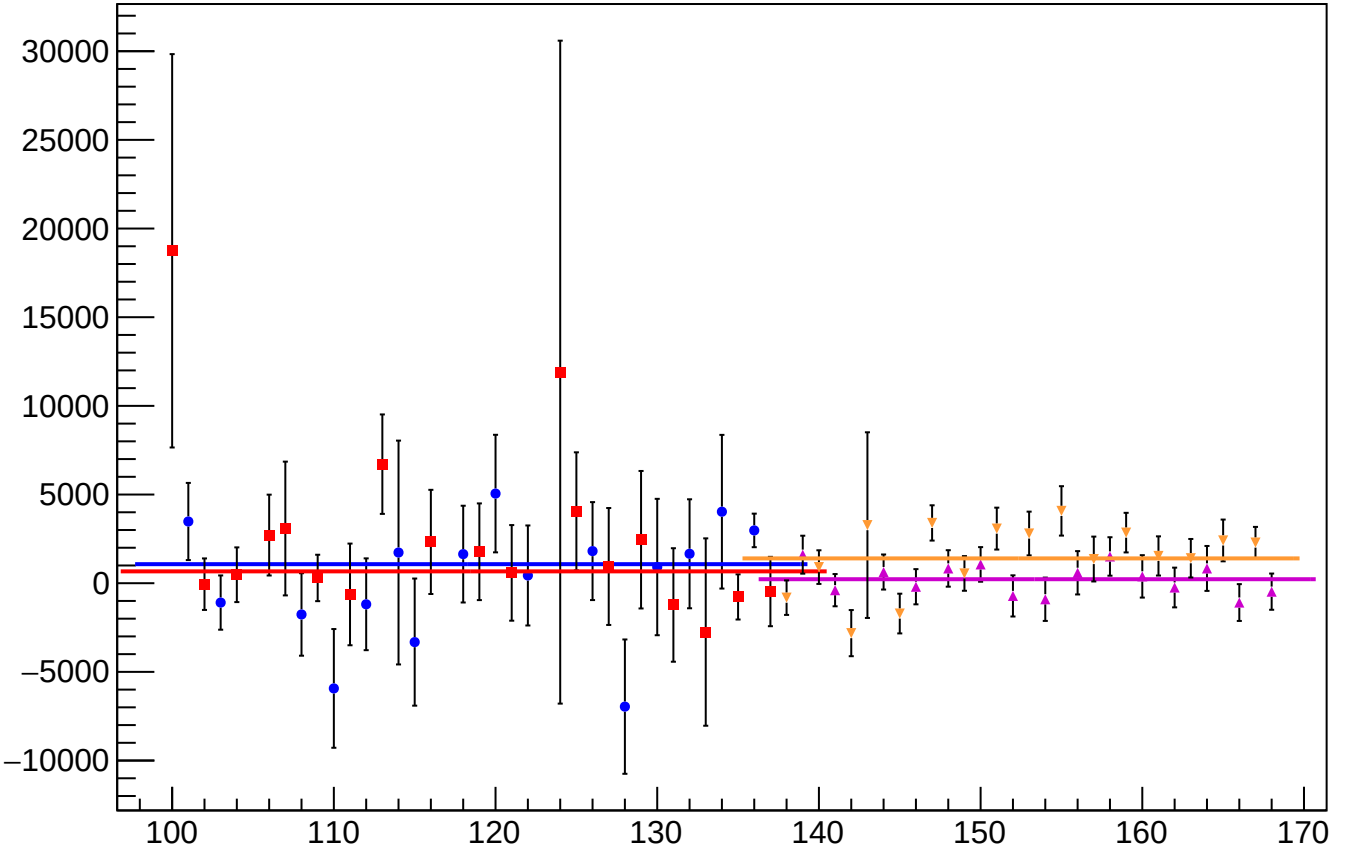
Left In: 1752.928+/-0.352 χ^2/NDF:57246.7/14

+ sign 1690.275+/-0.270 χ^2/NDF: 518265.9/31

All: 1692.612+/-0.191 χ^2/NDF: 923211.8/65

- sign 1694.977+/-0.272 χ^2/NDF: 404795.1/33

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1398.955+/-281.304 χ^2/NDF:39.0/15

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

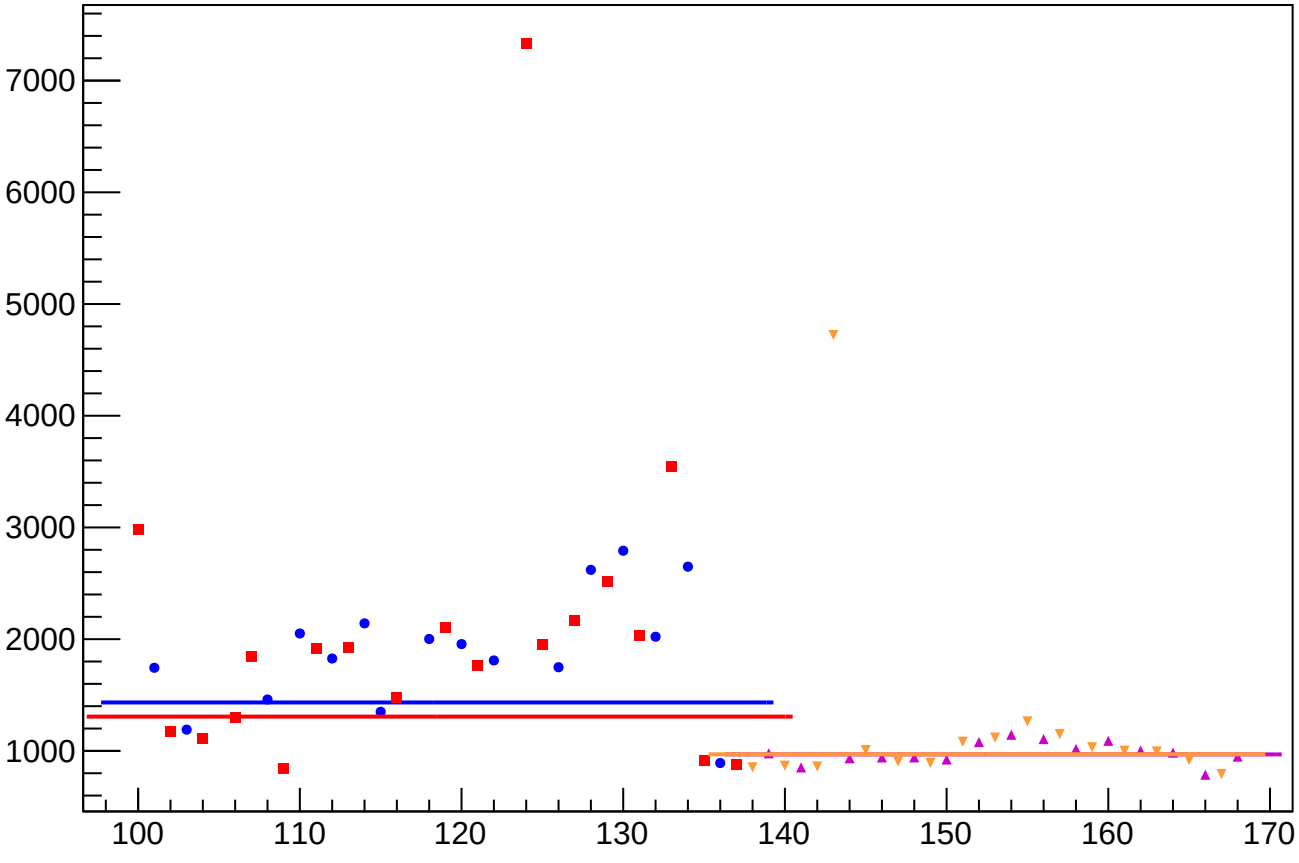
Left In: 225.233+/-276.724 χ^2/NDF:9.1/14

+ sign 1335.519+/-252.396 χ^2/NDF: 61.3/31

All: 812.903+/-175.666 χ^2/NDF: 92.8/65

- sign 321.892+/-244.645 χ^2/NDF: 23.2/33

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 969.537+/-0.199 χ^2/NDF:1387149.0/15

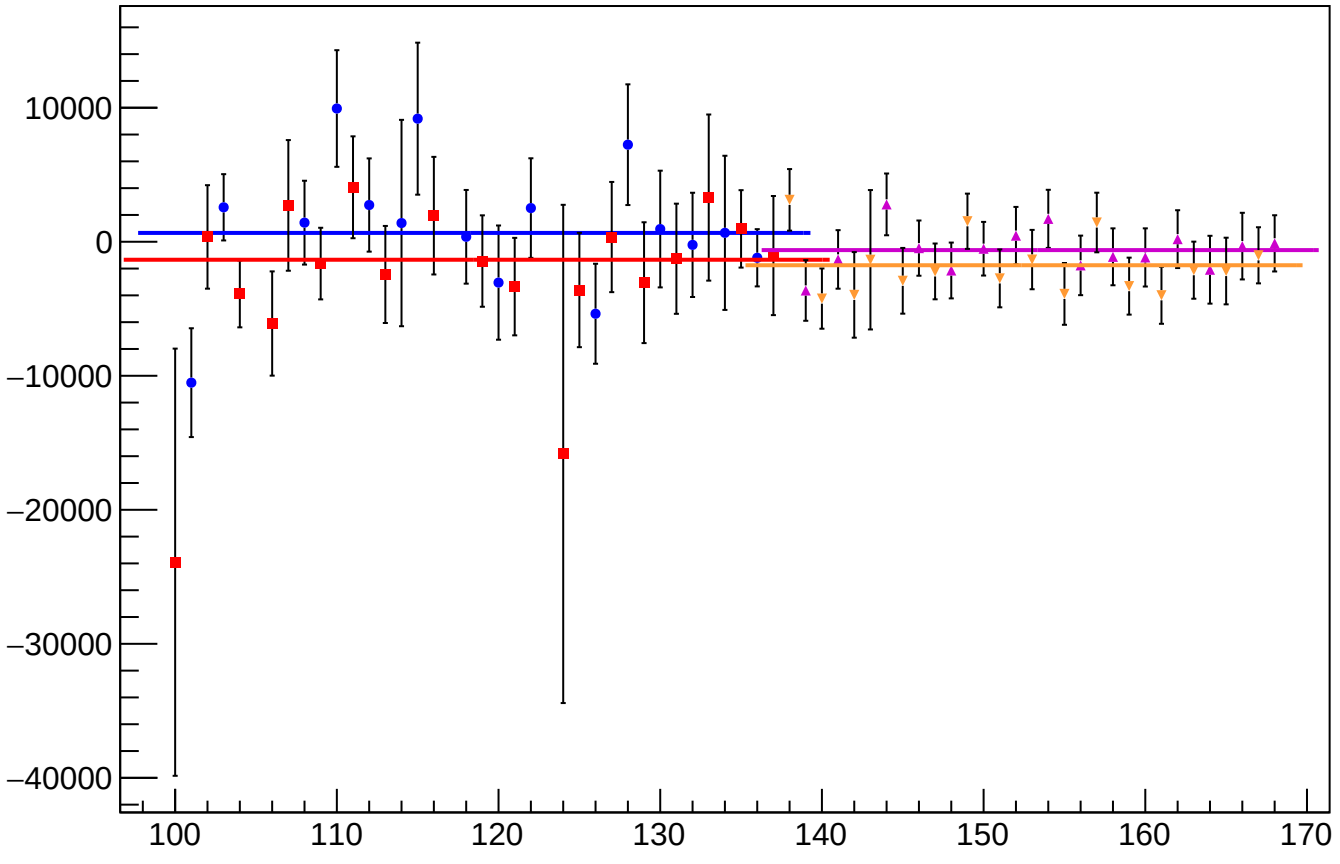
Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 968.537+/-0.196 χ^2/NDF:216756.5/14

\+ sign 1059.993+/-0.178 χ^2/NDF: 4211245.9/31

All: 1050.940+/-0.124 χ^2/NDF: 7269839.3/65

\- sign 1042.434+/-0.173 χ^2/NDF: 3053602.9/33



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1752.361+/-575.862 χ^2/NDF:14.0/15

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

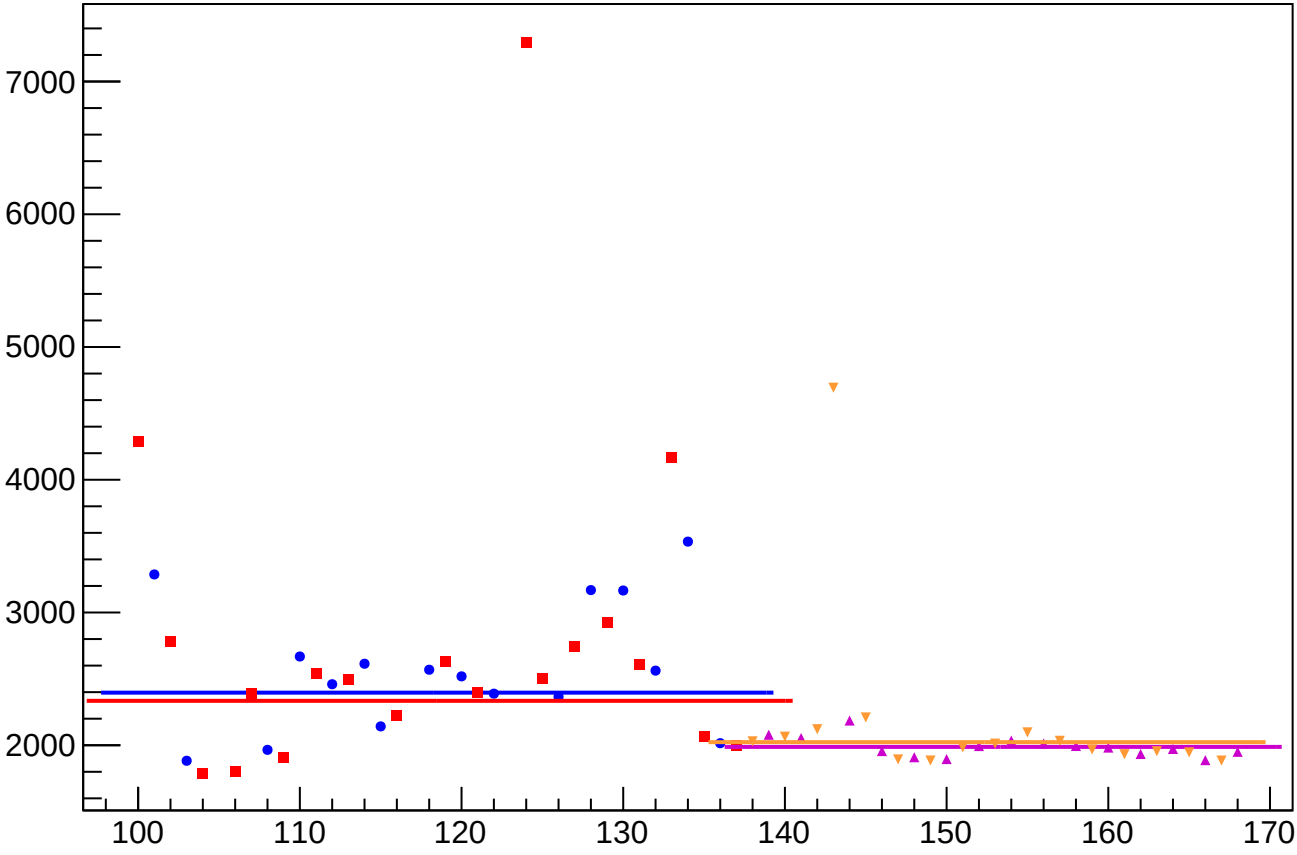
Left In: -622.407+/-564.621 χ^2/NDF:7.0/14

+ sign -1062.244+/-486.547 χ^2/NDF: 41.0/31

All: -943.134+/-340.564 χ^2/NDF: 59.4/65

- sign -828.719+/-476.860 χ^2/NDF: 18.2/33

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2023.270+/-0.407 χ^2/NDF:578446.4/15

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

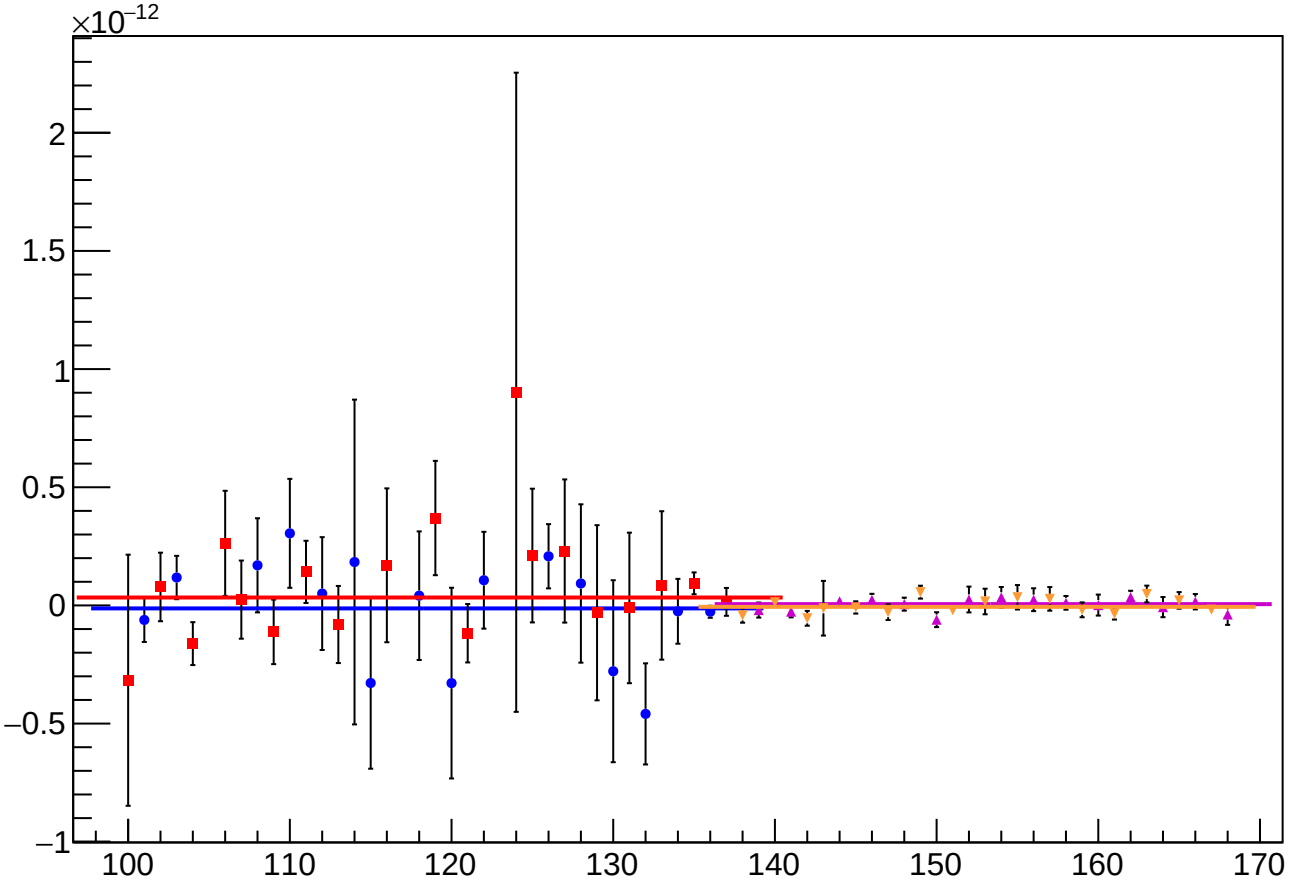
Left In: 1987.604+/-0.399 χ^2/NDF:33870.0/14

+ sign 2130.002+/-0.344 χ^2/NDF: 1326449.9/31

All: 2108.114+/-0.241 χ^2/NDF: 2266390.0/65

- sign 2087.089+/-0.337 χ^2/NDF: 932004.8/33

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:17.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

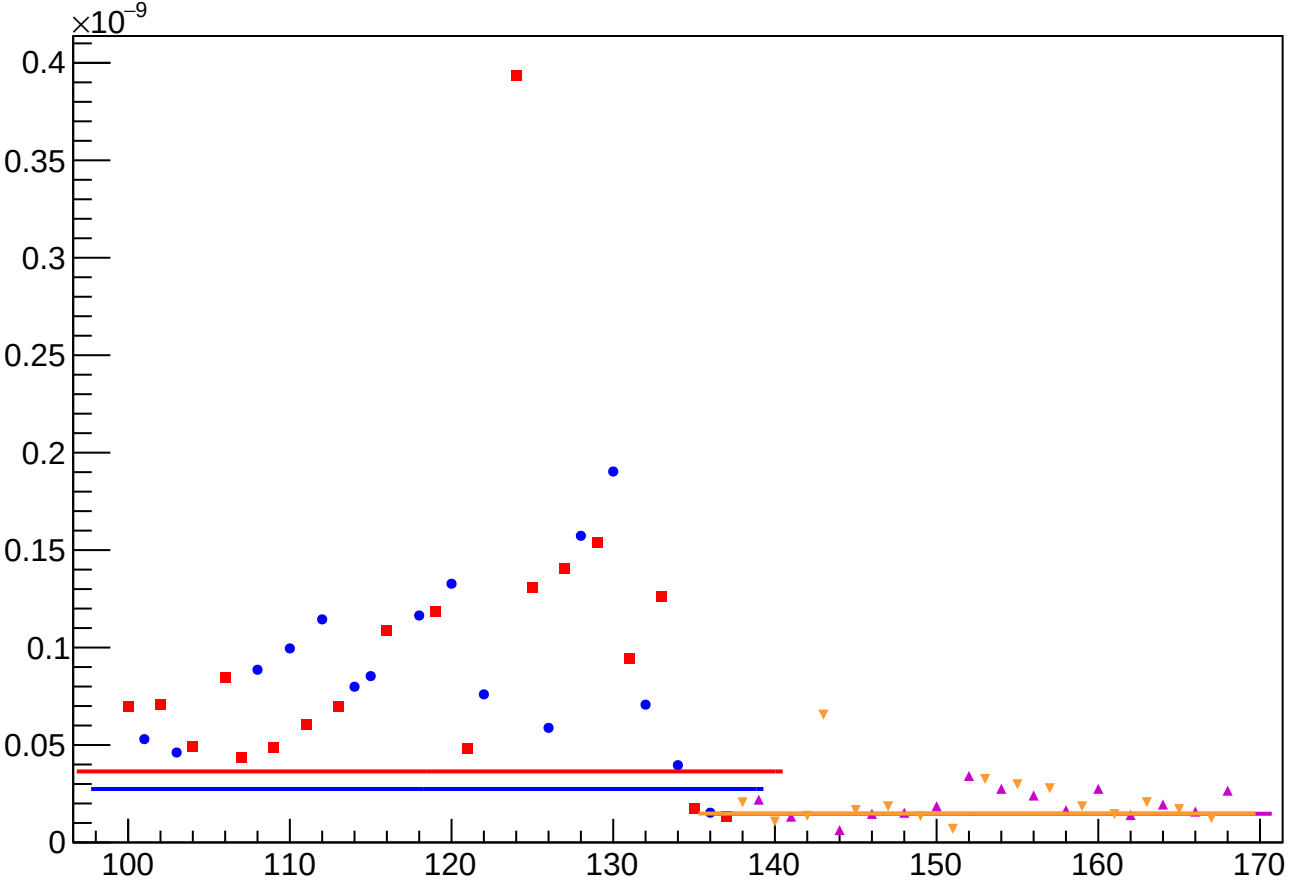
Left In: 0.000+/-0.000 χ^2/NDF:11.0/14

+ sign -0.000+/-0.000 χ^2/NDF: 31.9/31

All: -0.000+/-0.000 χ^2/NDF: 60.9/65

- sign 0.000+/-0.000 χ^2/NDF: 27.1/33

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:1577315.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

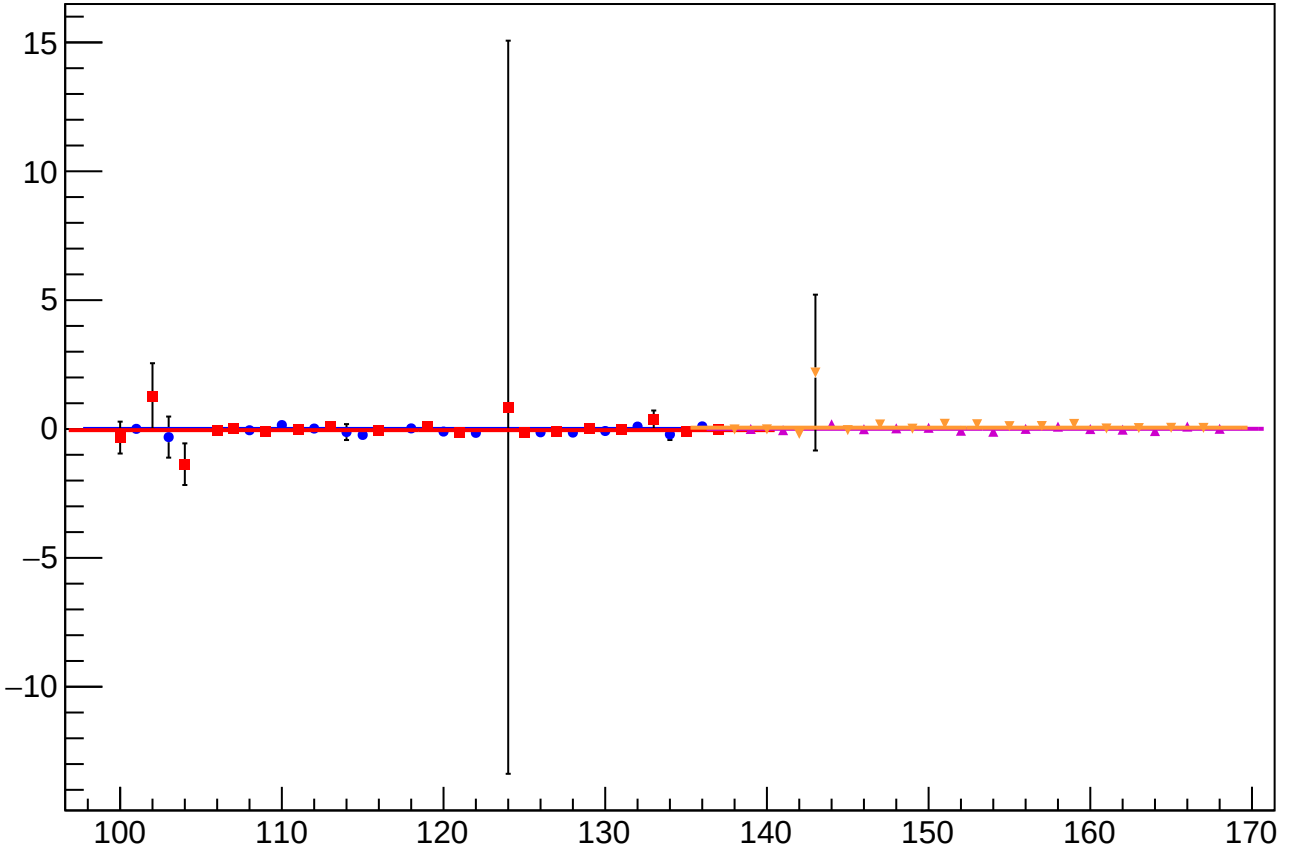
Left In: 0.000+/-0.000 χ^2/NDF:1719899.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 4888789.1/31

All: 0.000+/-0.000 χ^2/NDF: 10175537.6/65

- sign 0.000+/-0.000 χ^2/NDF: 5286489.0/33

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.052+/-0.019 χ^2/NDF:19.4/15

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

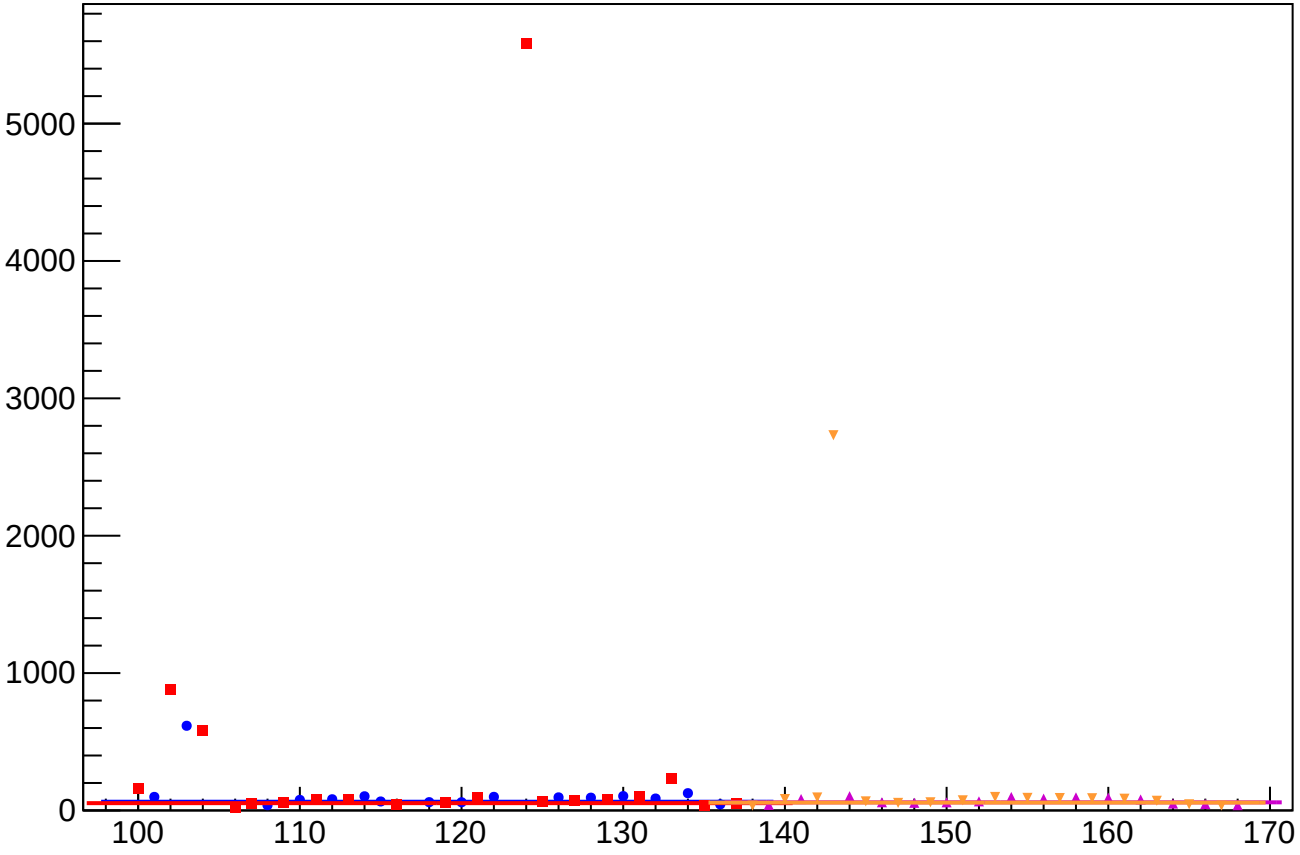
Left In: 0.008+/-0.019 χ^2/NDF:9.2/14

+ sign 0.036+/-0.015 χ^2/NDF: 34.8/31

All: 0.012+/-0.011 χ^2/NDF: 64.2/65

- sign -0.011+/-0.015 χ^2/NDF: 24.6/33

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 57.334+/-0.013 χ^2/NDF:4197243.5/15

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

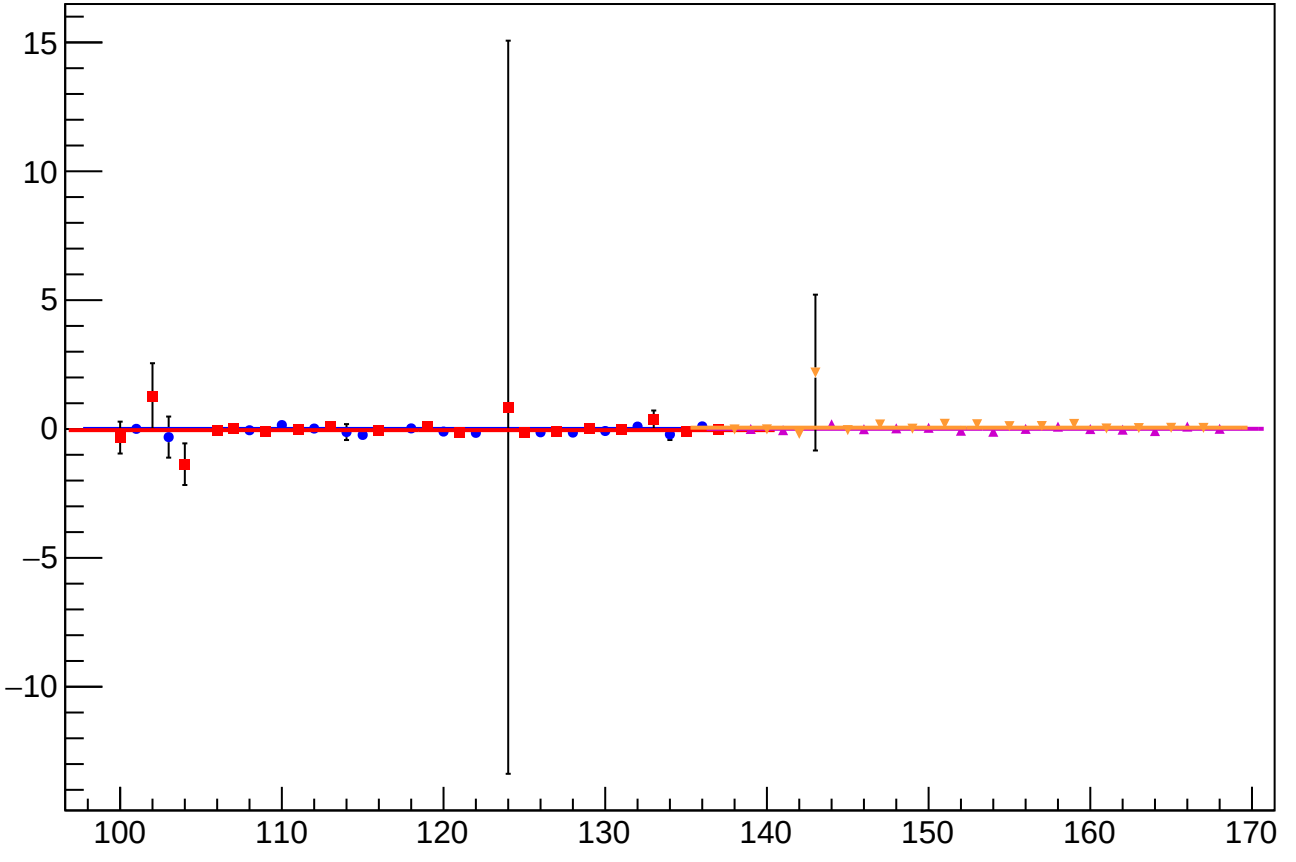
Left In: 59.085+/-0.013 χ^2/NDF:2269438.9/14

+ sign 59.291+/-0.011 χ^2/NDF: 6711310.6/31

All: 58.093+/-0.008 χ^2/NDF: 13021759.0/65

- sign 56.972+/-0.011 χ^2/NDF: 6287002.3/33

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: 0.052+/-0.019 χ^2/NDF:19.4/15

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

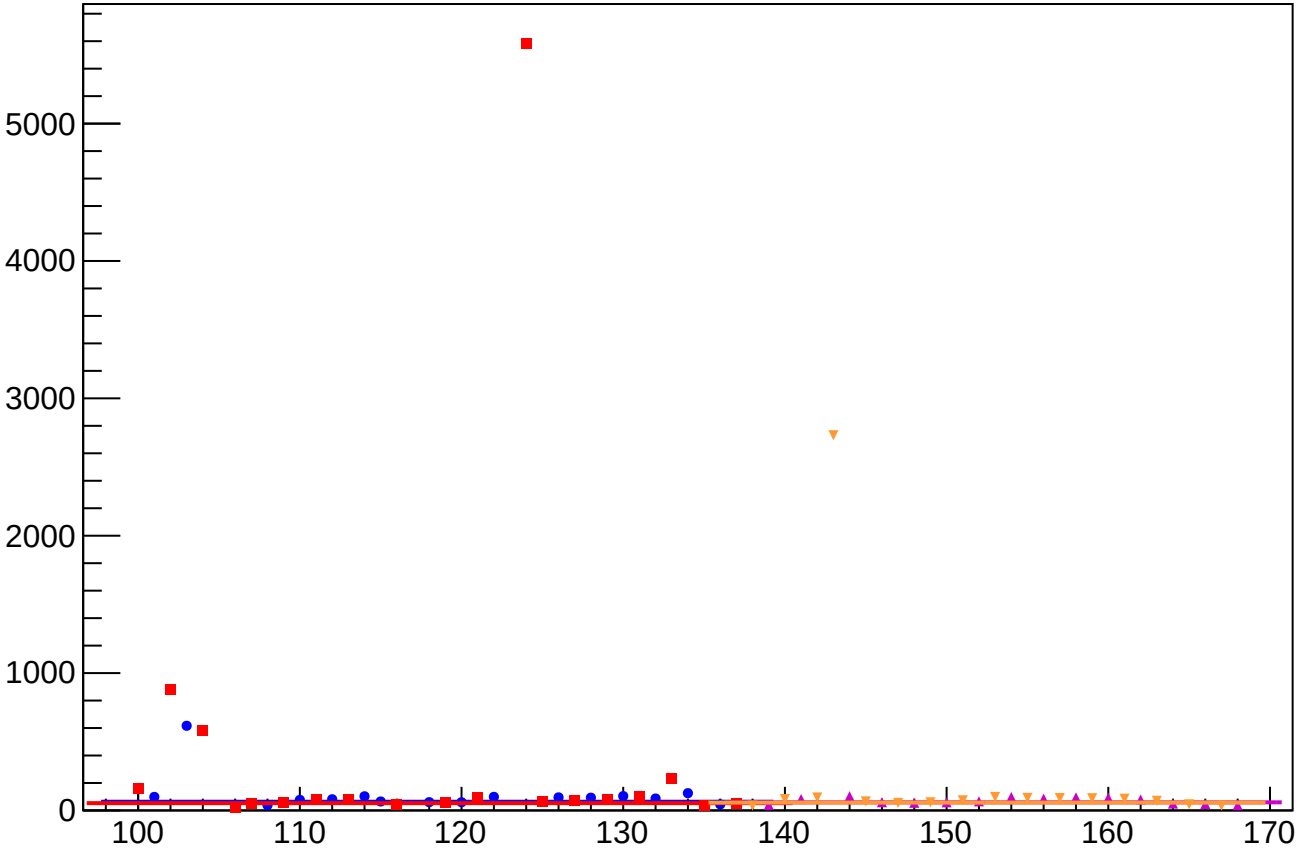
Left In: 0.008+/-0.019 χ^2/NDF:9.2/14

+ sign 0.036+/-0.015 χ^2/NDF: 34.8/31

All: 0.012+/-0.011 χ^2/NDF: 64.2/65

- sign -0.011+/-0.015 χ^2/NDF: 24.6/33

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: 57.334+/-0.013 χ^2/NDF:4197243.5/15

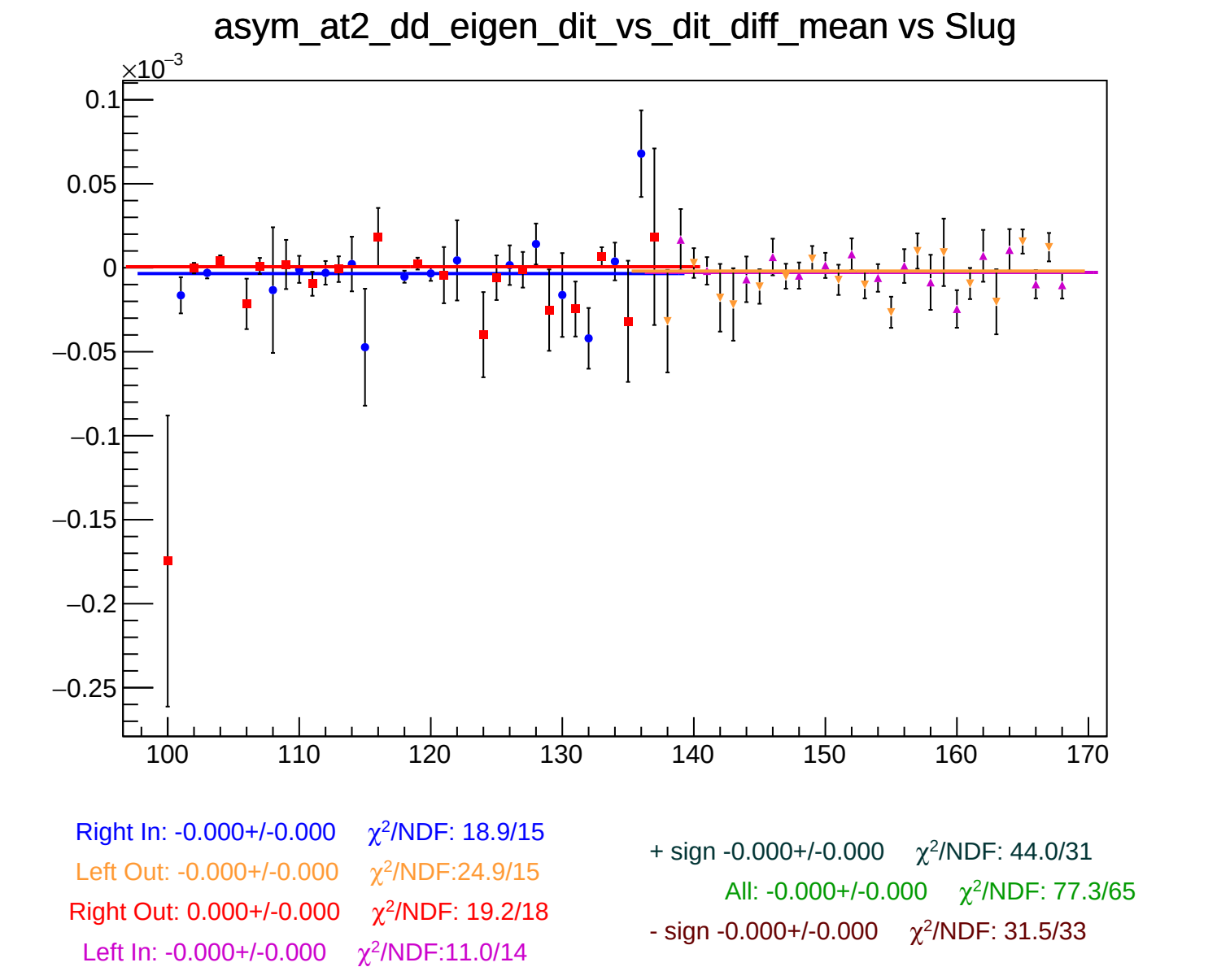
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

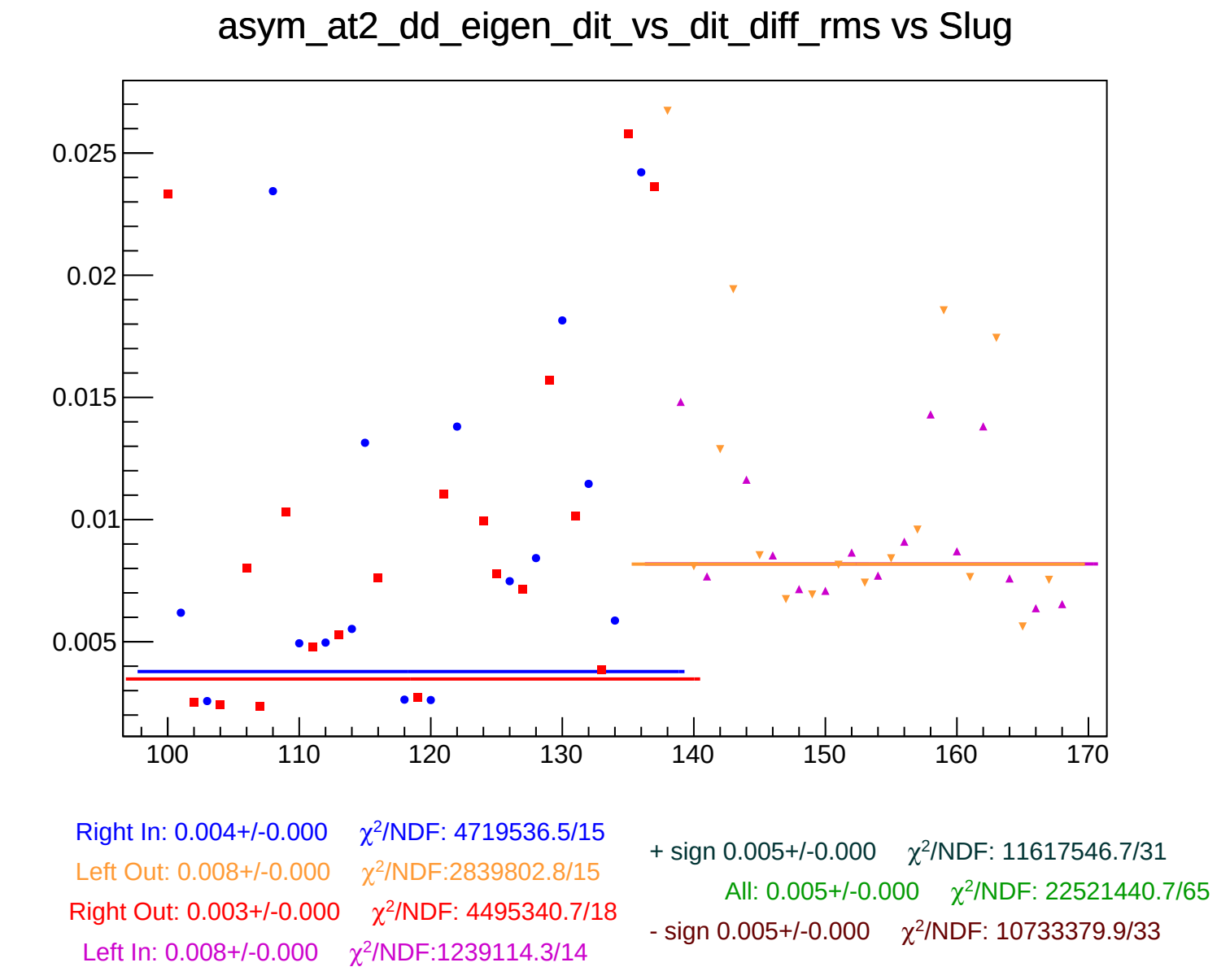
Left In: 59.085+/-0.013 χ^2/NDF:2269438.9/14

+ sign 59.291+/-0.011 χ^2/NDF: 6711310.6/31

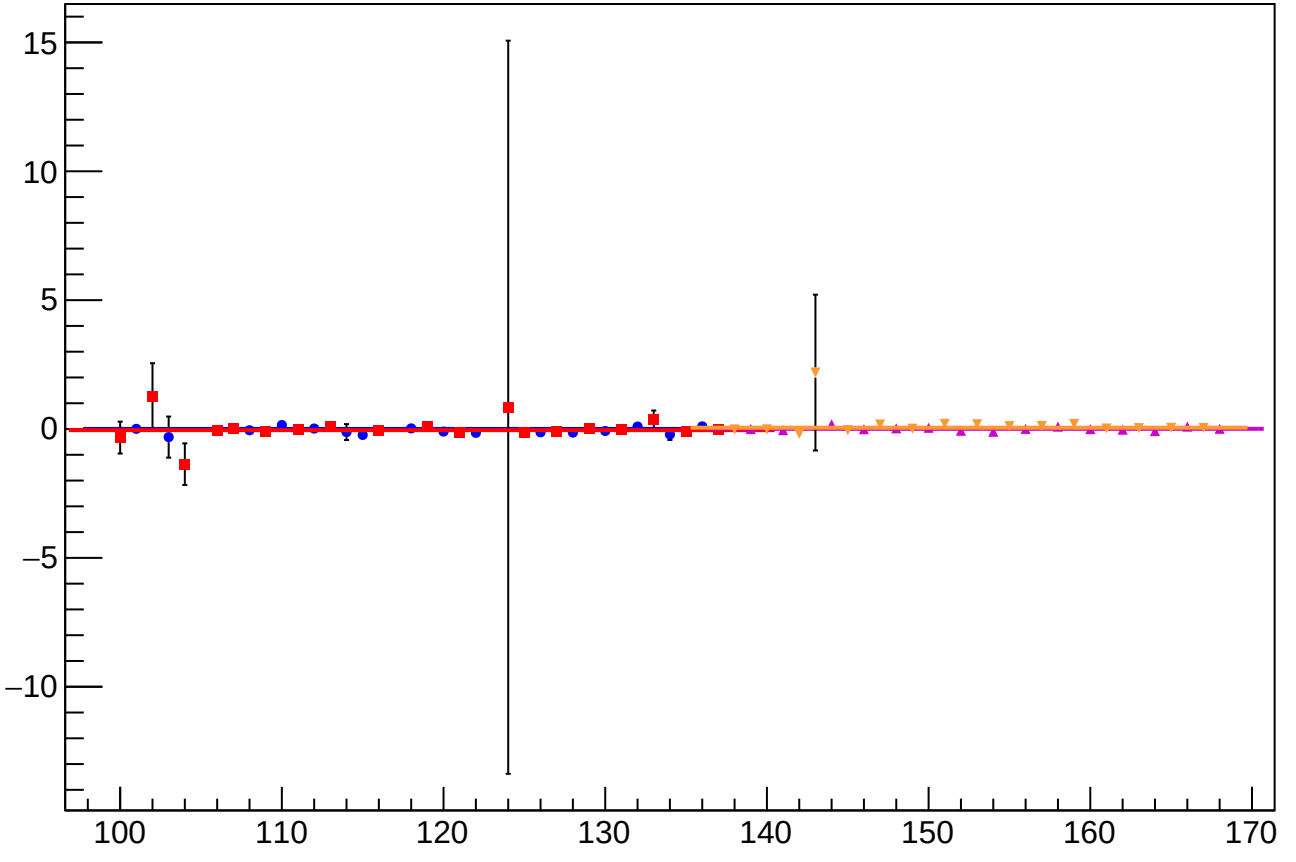
All: 58.093+/-0.008 χ^2/NDF: 13021759.0/65

- sign 56.972+/-0.011 χ^2/NDF: 6287002.3/33


asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 18.9/15
Left Out: -0.000+/-0.000 χ²/NDF:24.9/15
Right Out: 0.000+/-0.000 χ²/NDF: 19.2/18
Left In: -0.000+/-0.000 χ²/NDF:11.0/14
+ sign -0.000+/-0.000 χ²/NDF: 44.0/31
All: -0.000+/-0.000 χ²/NDF: 77.3/65
- sign -0.000+/-0.000 χ²/NDF: 31.5/33


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: 0.008+/-0.000 χ²/NDF:2839802.8/15
Right Out: 0.003+/-0.000 χ²/NDF: 4495340.7/18
Left In: 0.008+/-0.000 χ²/NDF:1239114.3/14
+ sign 0.005+/-0.000 χ²/NDF: 11617546.7/31
All: 0.005+/-0.000 χ²/NDF: 22521440.7/65
- sign 0.005+/-0.000 χ²/NDF: 10733379.9/33

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.052+/-0.019 χ^2/NDF:19.4/15

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

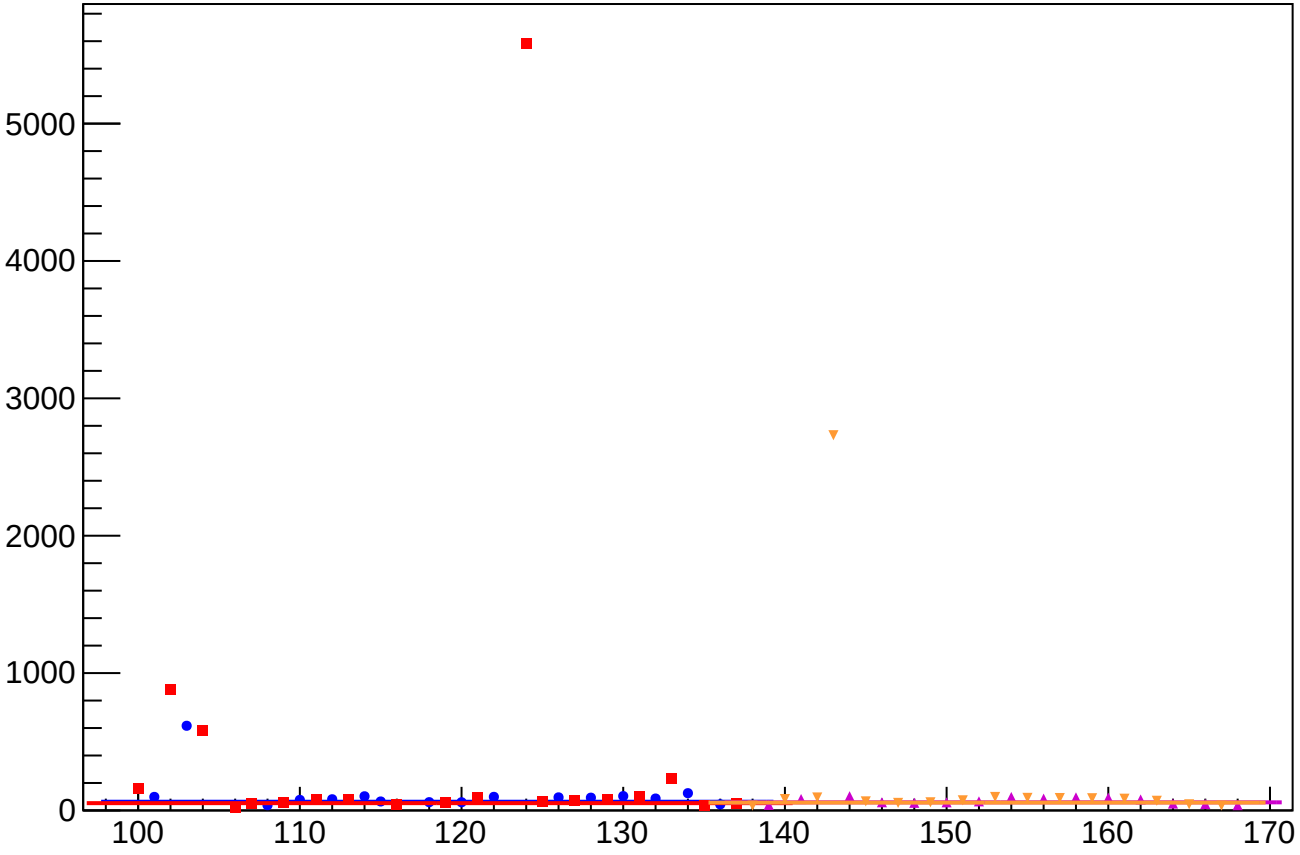
Left In: 0.008+/-0.019 χ^2/NDF:9.2/14

+ sign 0.036+/-0.015 χ^2/NDF: 34.8/31

All: 0.012+/-0.011 χ^2/NDF: 64.2/65

- sign -0.011+/-0.015 χ^2/NDF: 24.6/33

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: 57.333+/-0.013 χ^2/NDF:4196936.5/15

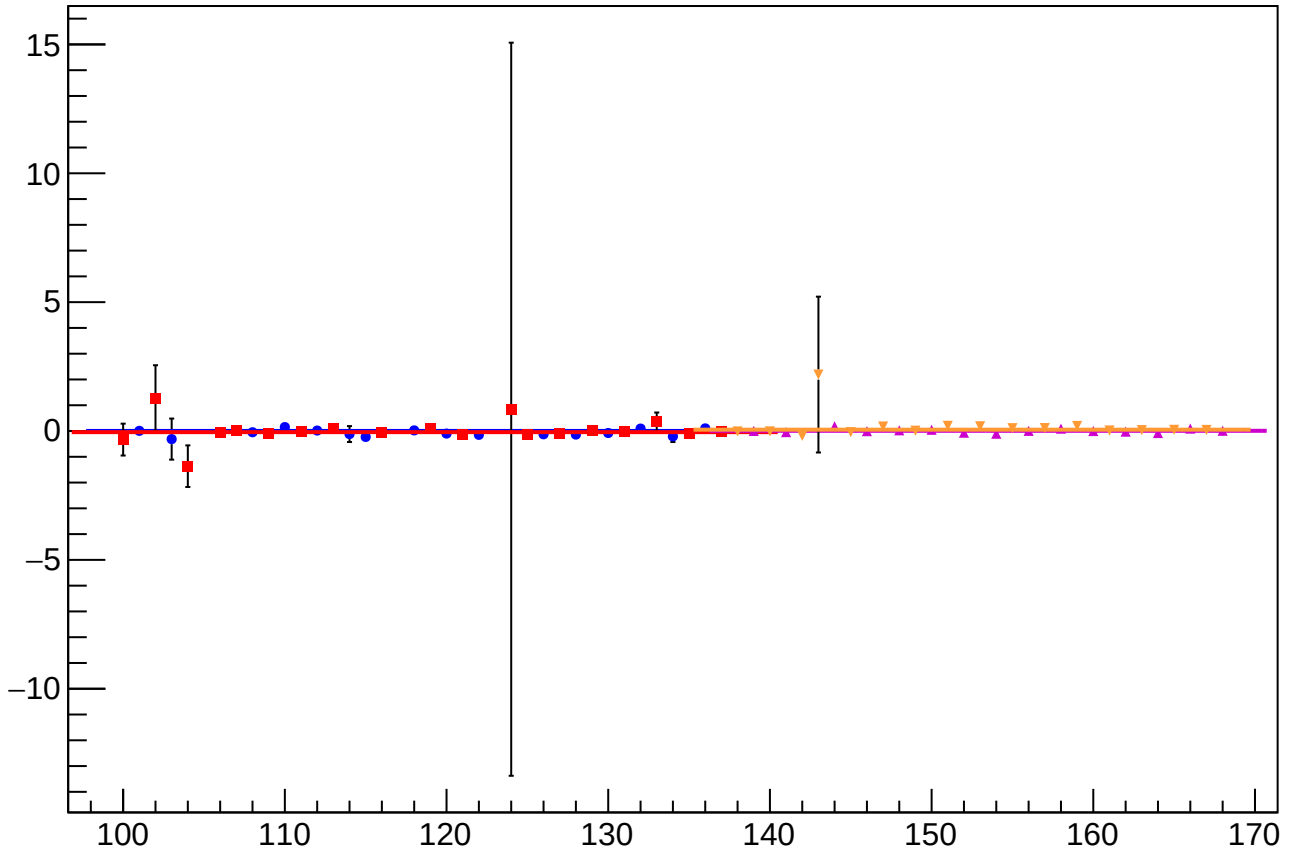
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 59.088+/-0.013 χ^2/NDF:2268869.3/14

+ sign 59.293+/-0.011 χ^2/NDF: 6710319.6/31

All: 58.094+/-0.008 χ^2/NDF: 13020991.3/65

- sign 56.972+/-0.011 χ^2/NDF: 6287186.2/33



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.052+/-0.019 χ^2/NDF:19.4/15

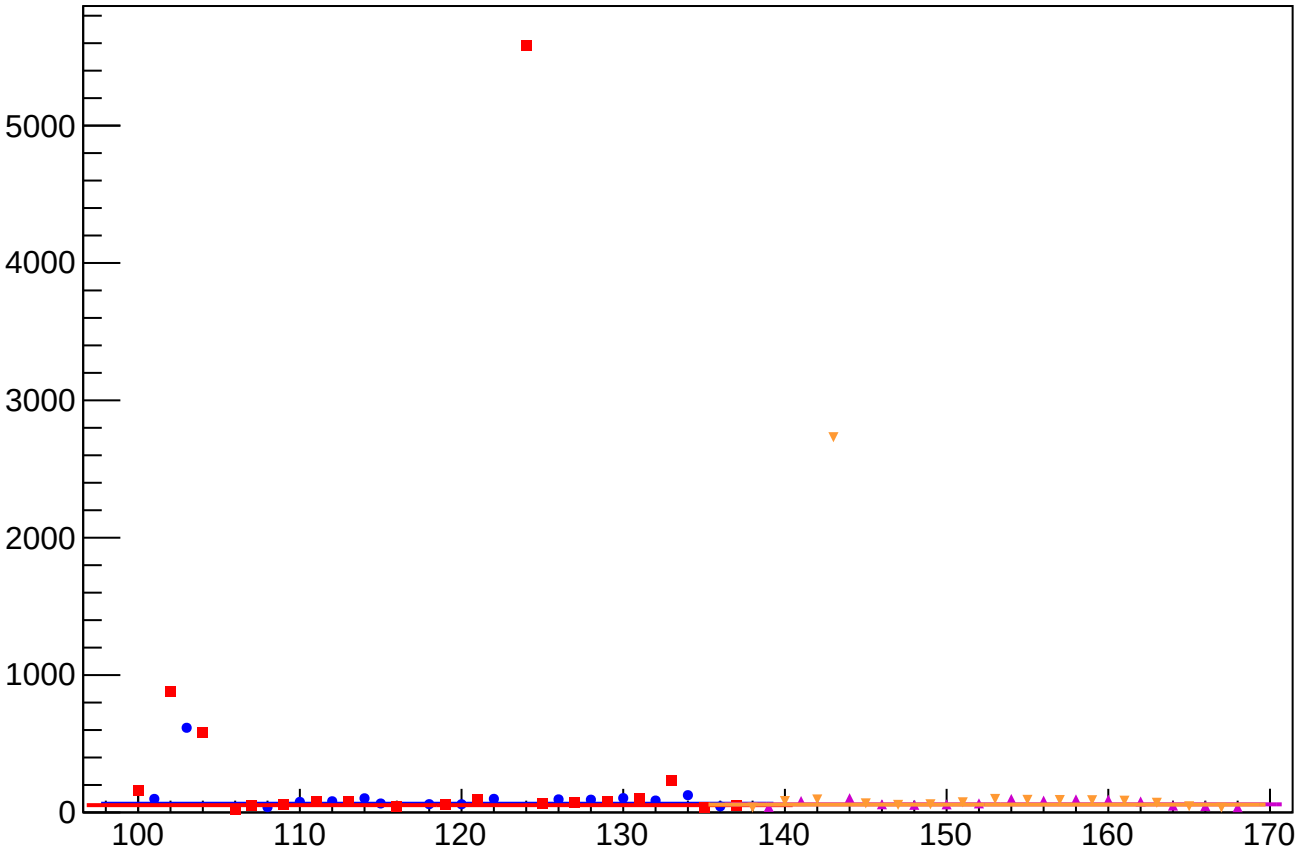
Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.008+/-0.019 χ^2/NDF:9.2/14

+ sign 0.036+/-0.015 χ^2/NDF: 34.8/31

All: 0.012+/-0.011 χ^2/NDF: 64.2/65

- sign -0.011+/-0.015 χ^2/NDF: 24.6/33



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 57.333+/-0.013 χ^2/NDF:4196936.5/15

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

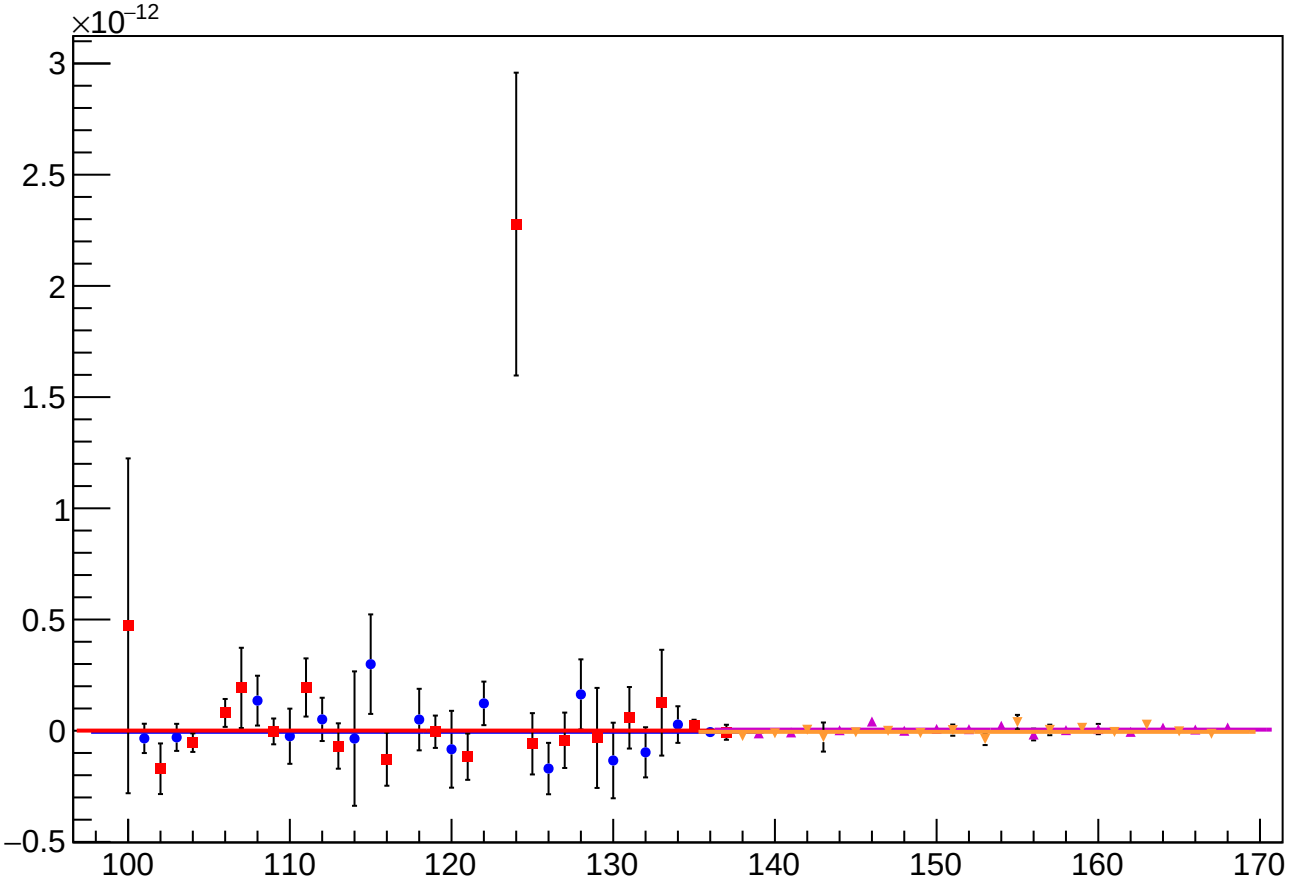
Left In: 59.088+/-0.013 χ^2/NDF:2268869.3/14

+ sign 59.293+/-0.011 χ^2/NDF: 6710319.6/31

All: 58.094+/-0.008 χ^2/NDF: 13020991.3/65

- sign 56.972+/-0.011 χ^2/NDF: 6287186.2/33

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:10.2/15

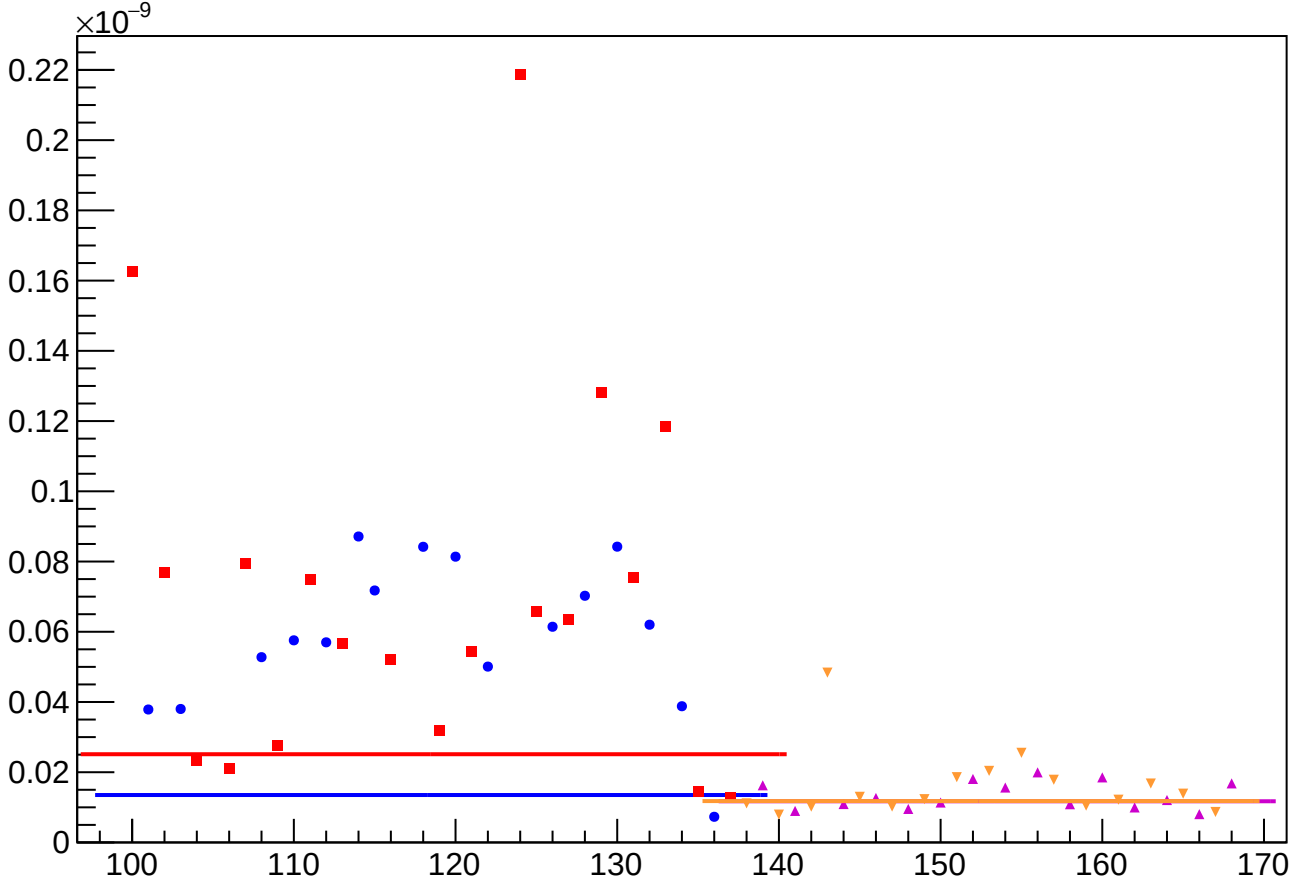
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/14

+ sign -0.000+/-0.000 χ^2/NDF: 21.0/31

All: -0.000+/-0.000 χ^2/NDF: 58.4/65

- sign 0.000+/-0.000 χ^2/NDF: 34.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2078676.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

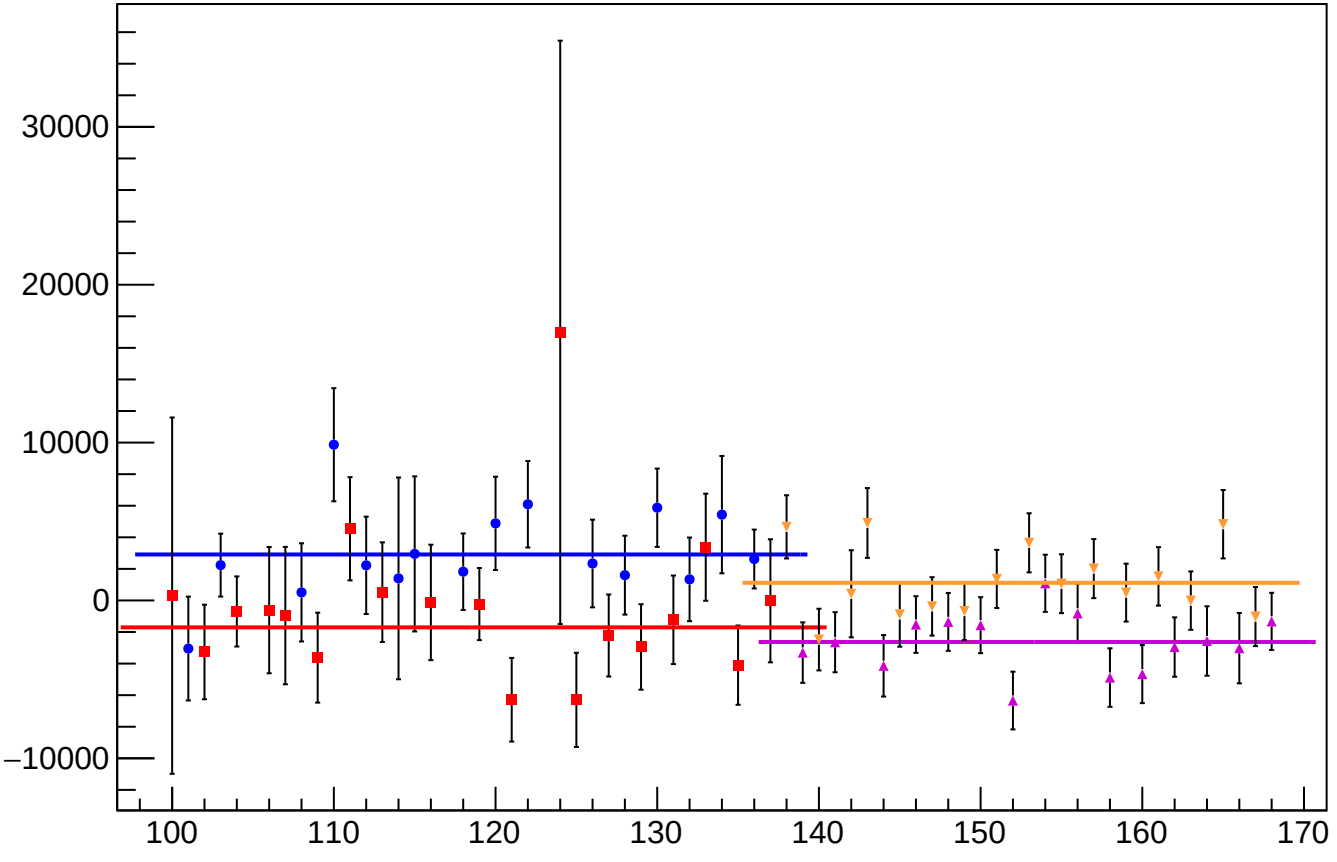
Left In: 0.000+/-0.000 χ^2/NDF:1166666.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 7120300.4/31

All: 0.000+/-0.000 χ^2/NDF: 13362718.6/65

- sign 0.000+/-0.000 χ^2/NDF: 6214180.8/33

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1118.565+/-487.607 χ^2/NDF:18.9/15

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

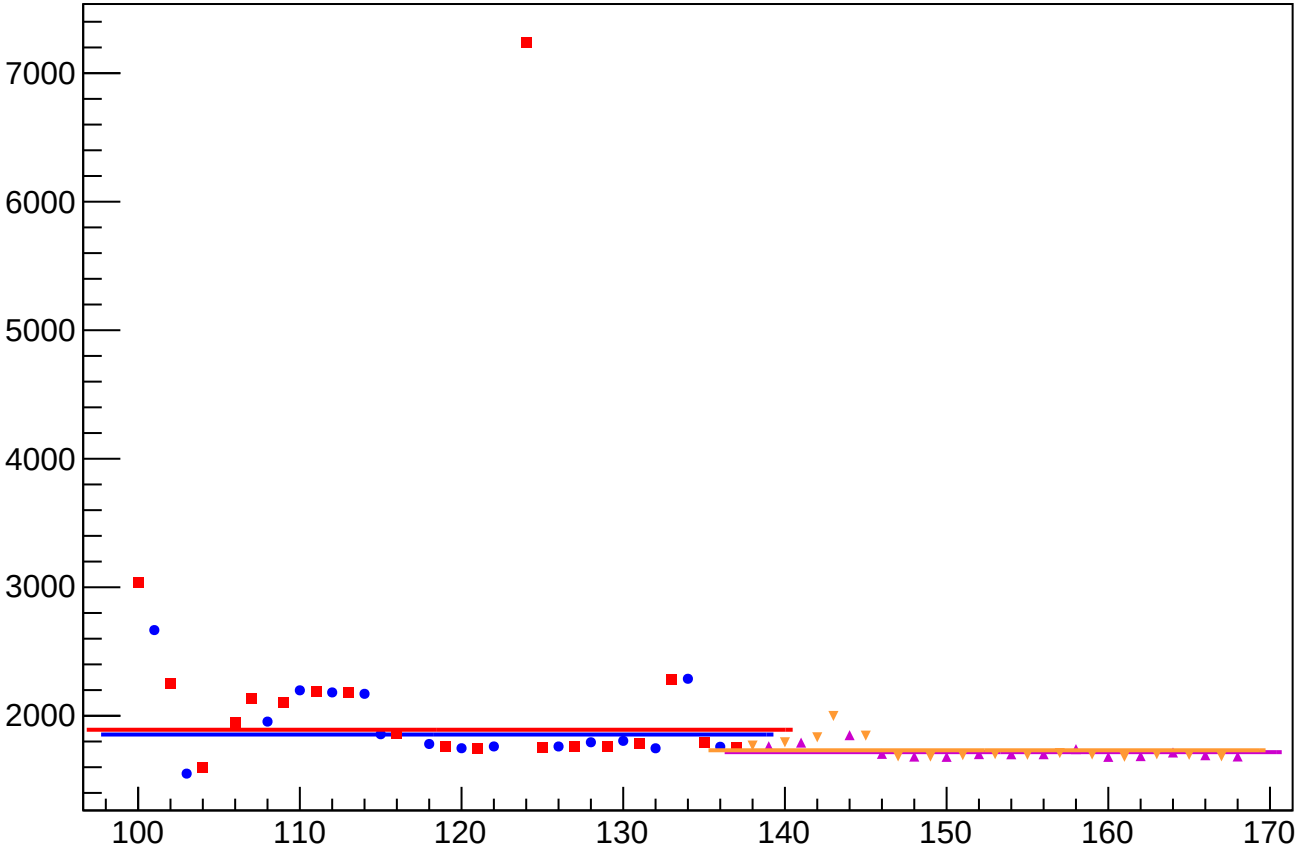
Left In: -2631.806+/-487.572 χ^2/NDF:14.5/14

+ sign 1710.409+/-399.176 χ^2/NDF: 35.8/31

All: -300.292+/-283.026 χ^2/NDF: 118.3/65

- sign -2332.969+/-401.351 χ^2/NDF: 31.5/33

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1731.744+/-0.345 χ^2/NDF:50380.3/15

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

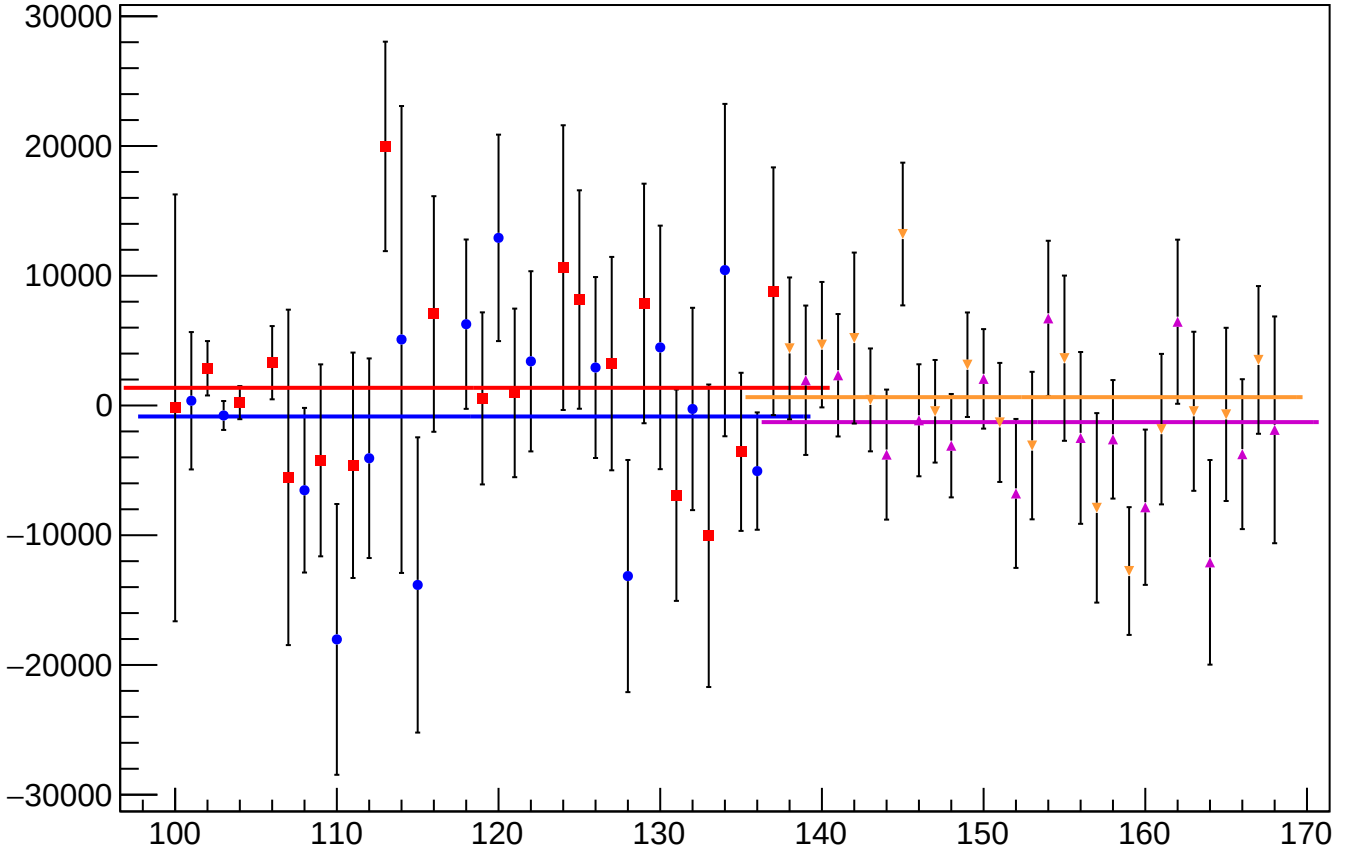
Left In: 1717.169+/-0.345 χ^2/NDF:18072.2/14

+ sign 1772.171+/-0.282 χ^2/NDF: 355383.7/31

All: 1772.852+/-0.200 χ^2/NDF: 820181.2/65

- sign 1773.541+/-0.284 χ^2/NDF: 464785.7/33

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 642.117+/-1297.191 χ^2/NDF:17.5/15

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

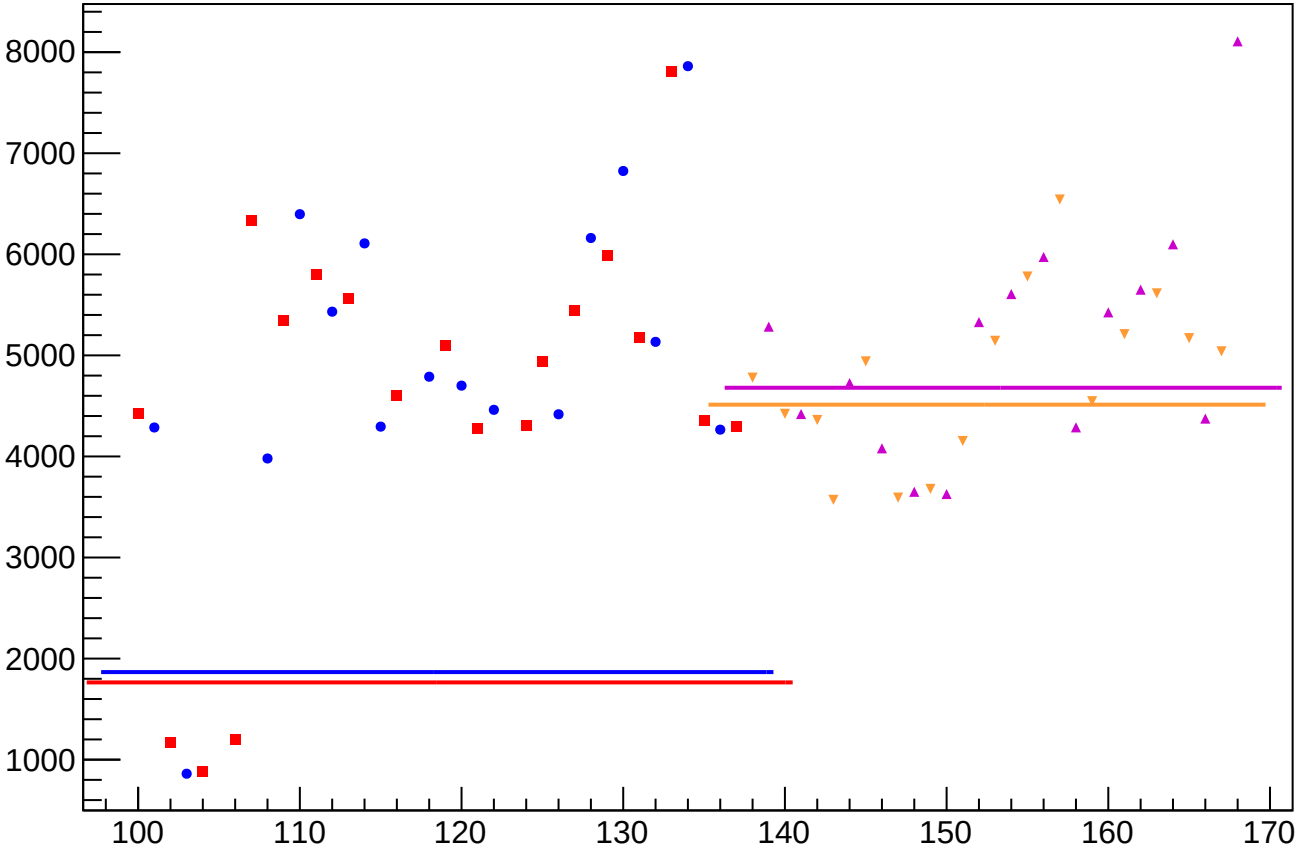
Left In: -1282.128+/-1360.033 χ^2/NDF:9.7/14

+ sign -318.598+/-773.180 χ^2/NDF: 32.2/31

All: 116.534+/-541.894 χ^2/NDF: 59.1/65

- sign 536.632+/-759.706 χ^2/NDF: 26.3/33

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4512.225+/-0.917 χ^2/NDF:726266.0/15

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

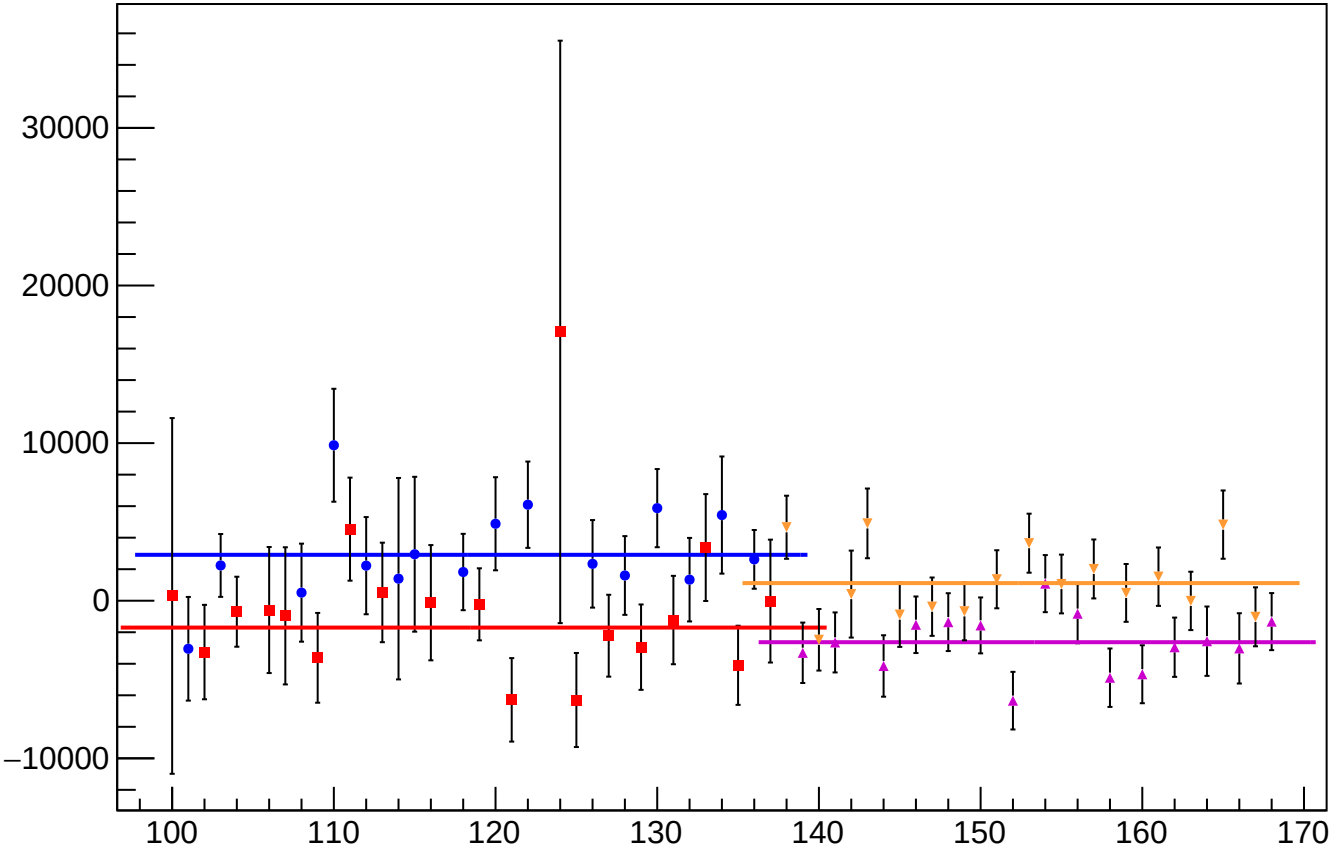
Left In: 4679.645+/-0.962 χ^2/NDF:971431.1/14

+ sign 2806.373+/-0.547 χ^2/NDF: 12940331.5/31

All: 2739.000+/-0.383 χ^2/NDF: 26698908.1/6

- sign 2673.954+/-0.537 χ^2/NDF: 13728728.8/33

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1118.423+/-487.607 χ^2/NDF:18.9/15

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

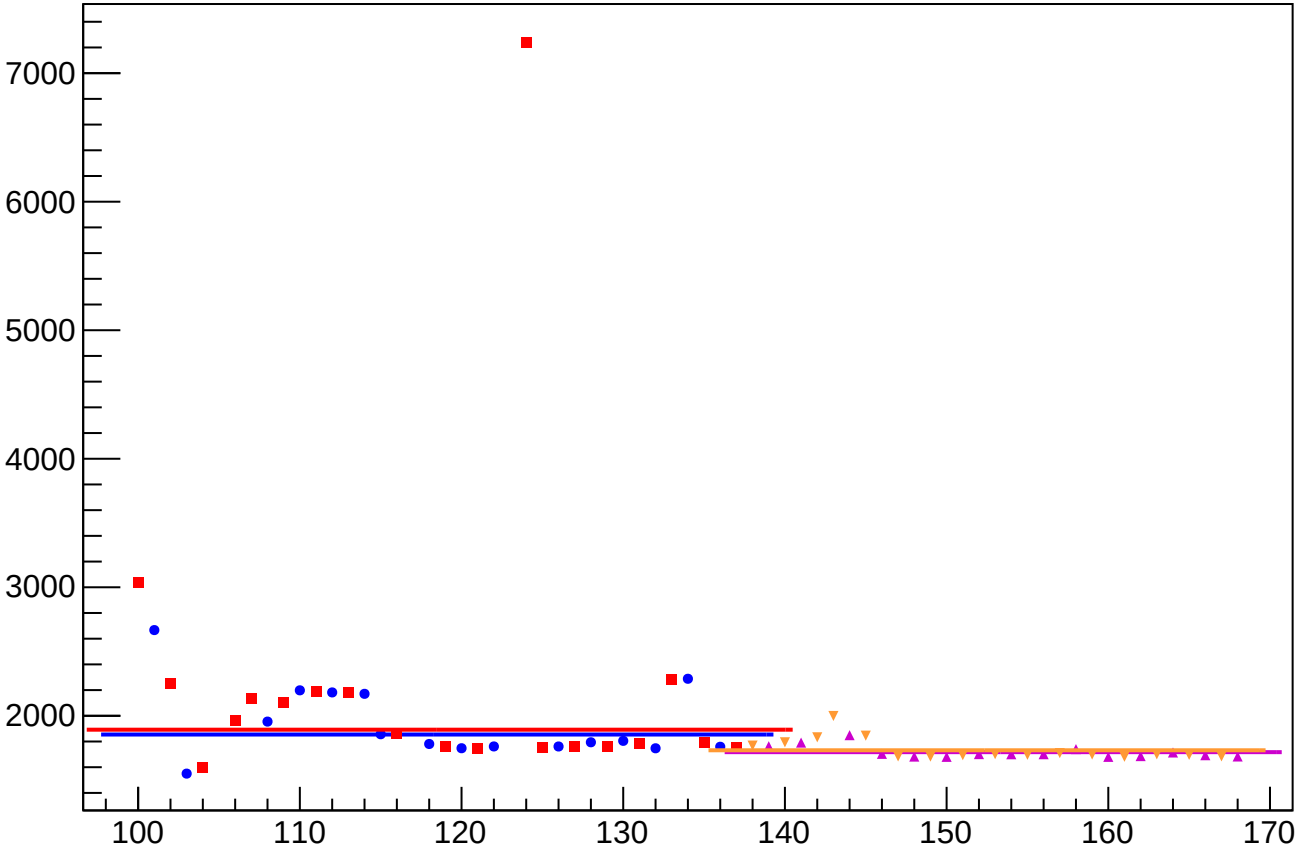
Left In: -2631.835+/-487.572 χ^2/NDF:14.5/14

+ sign 1710.346+/-399.176 χ^2/NDF: 35.8/31

All: -300.112+/-283.026 χ^2/NDF: 118.3/65

- sign -2332.545+/-401.351 χ^2/NDF: 31.5/33

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1731.744+/-0.345 χ^2/NDF:50380.3/15

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

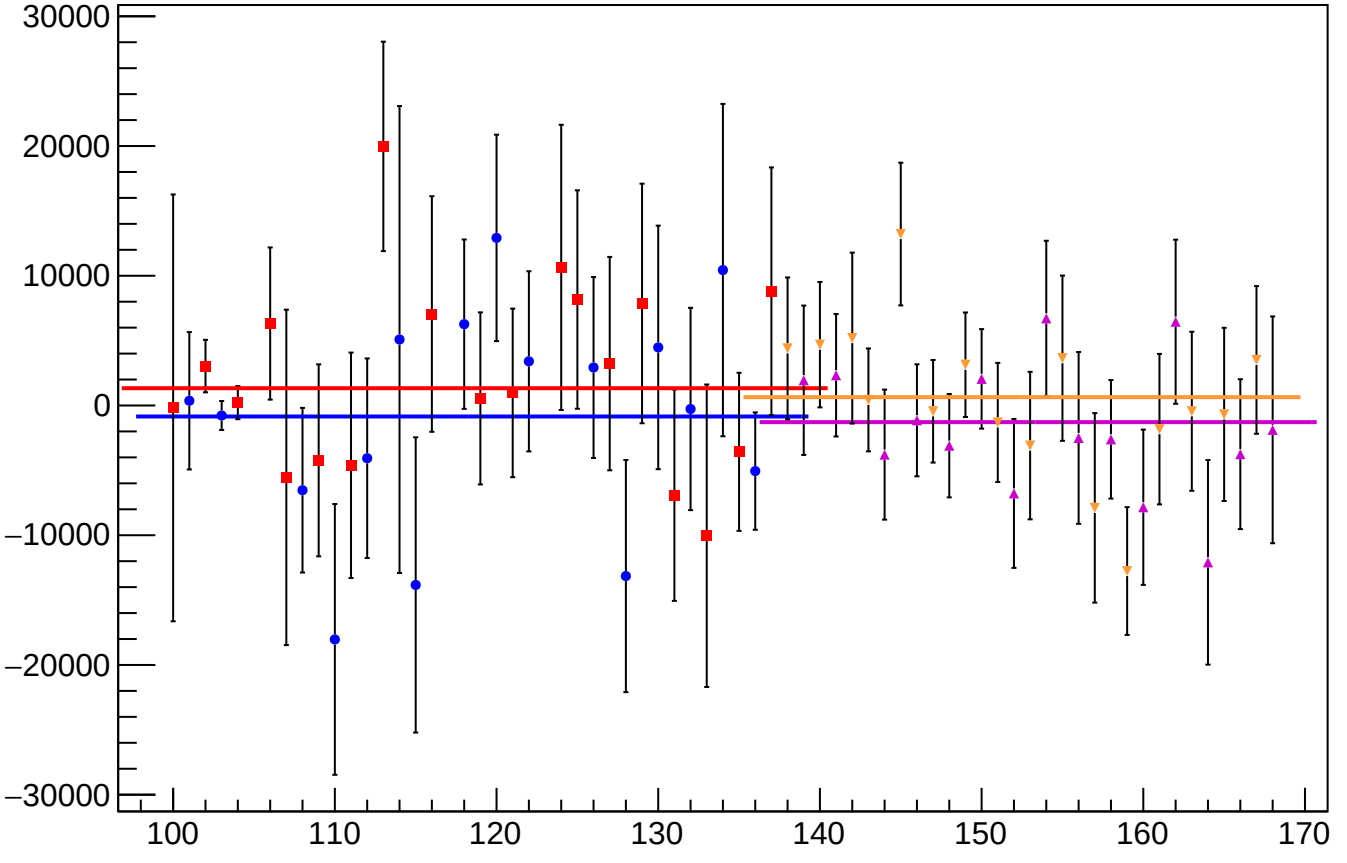
Left In: 1717.169+/-0.345 χ^2/NDF:18072.2/14

+ sign 1772.171+/-0.282 χ^2/NDF: 355383.6/31

All: 1772.918+/-0.200 χ^2/NDF: 820834.8/65

- sign 1773.672+/-0.284 χ^2/NDF: 465437.1/33

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 642.101+/-1297.189 χ^2/NDF:17.5/15

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

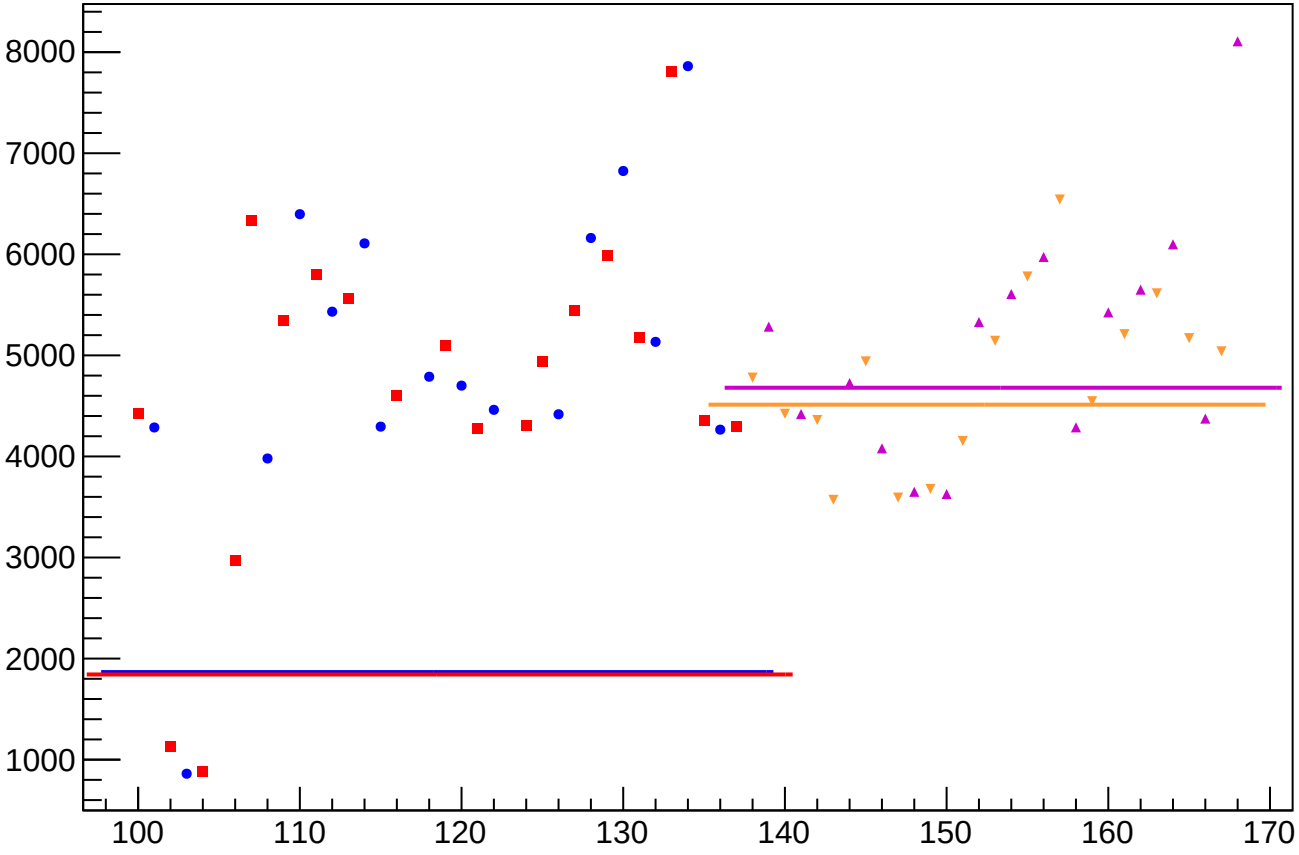
Left In: -1282.239+/-1360.033 χ^2/NDF:9.7/14

+ sign -318.335+/-773.152 χ^2/NDF: 32.2/31

All: 76.721+/-548.337 χ^2/NDF: 59.3/65

- sign 476.542+/-777.801 χ^2/NDF: 26.6/33

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4512.218+/-0.917 χ^2/NDF:726276.7/15

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

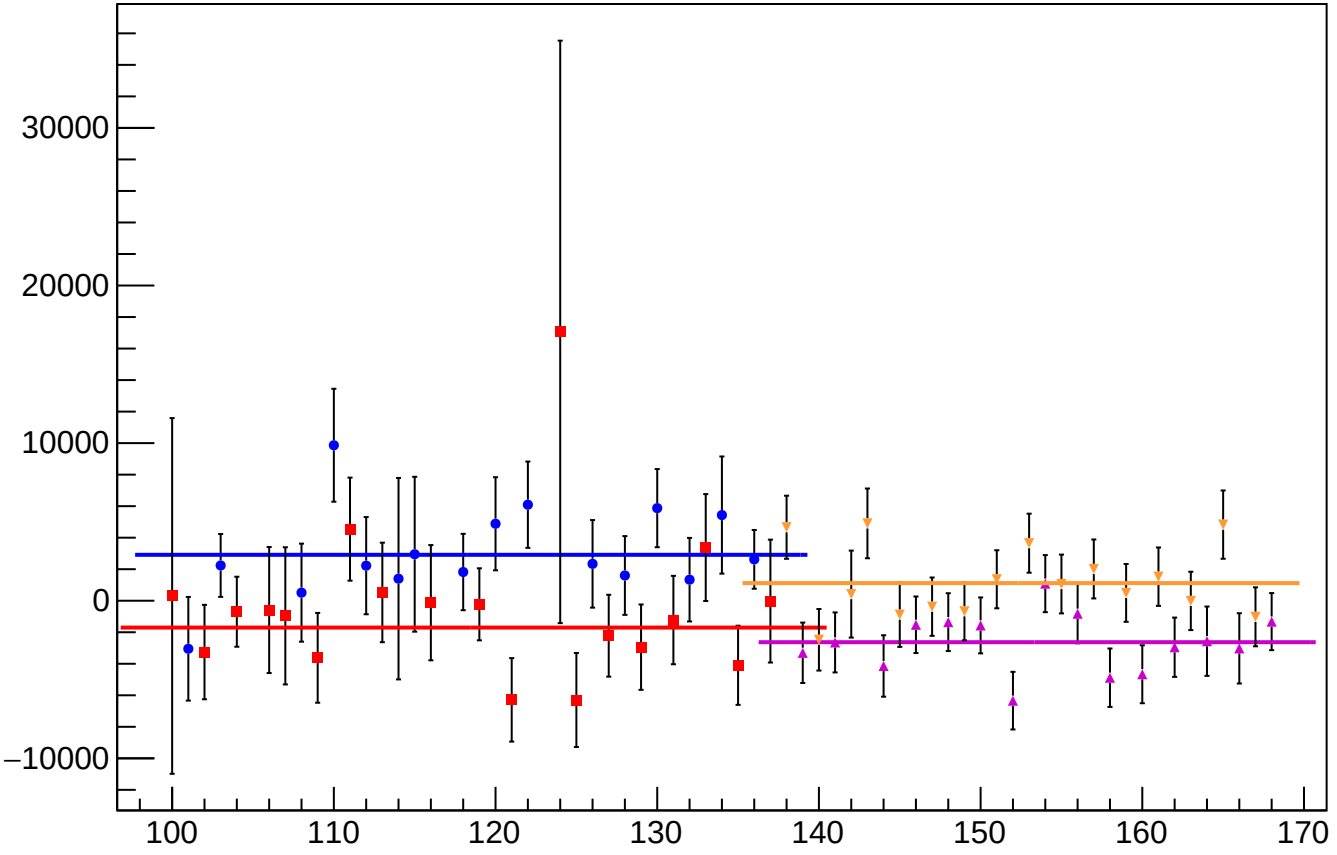
Left In: 4679.644+/-0.962 χ^2/NDF:971445.7/14

+ sign 2806.207+/-0.547 χ^2/NDF: 12941582.0/31

All: 2788.558+/-0.388 χ^2/NDF: 26228865.8/6

- sign 2770.696+/-0.550 χ^2/NDF: 13285187.0/33

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1118.423+/-487.607 χ^2/NDF:18.9/15

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

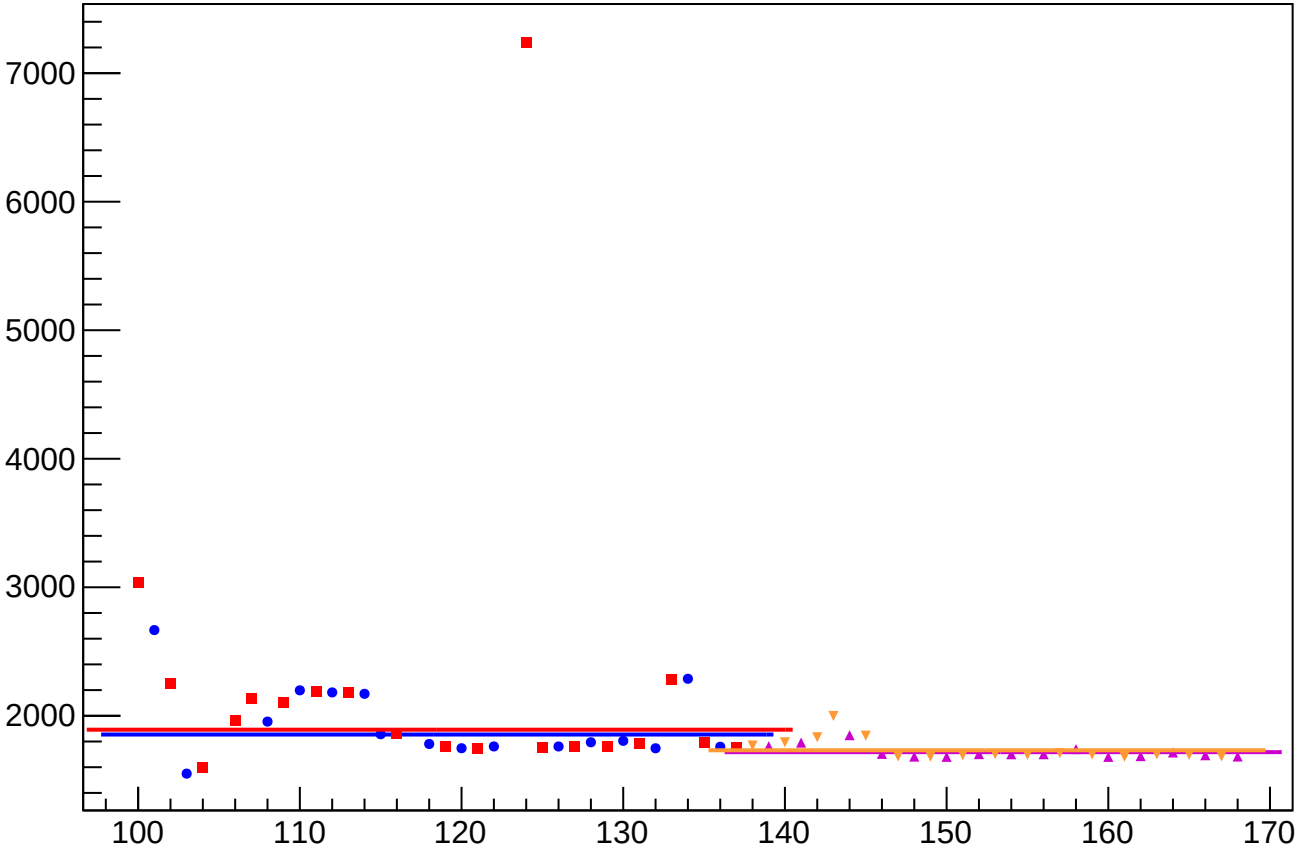
Left In: -2631.835+/-487.572 χ^2/NDF:14.5/14

+ sign 1710.346+/-399.176 χ^2/NDF: 35.8/31

All: -300.112+/-283.026 χ^2/NDF: 118.3/65

- sign -2332.545+/-401.351 χ^2/NDF: 31.5/33

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1731.744+/-0.345 χ^2/NDF:50380.3/15

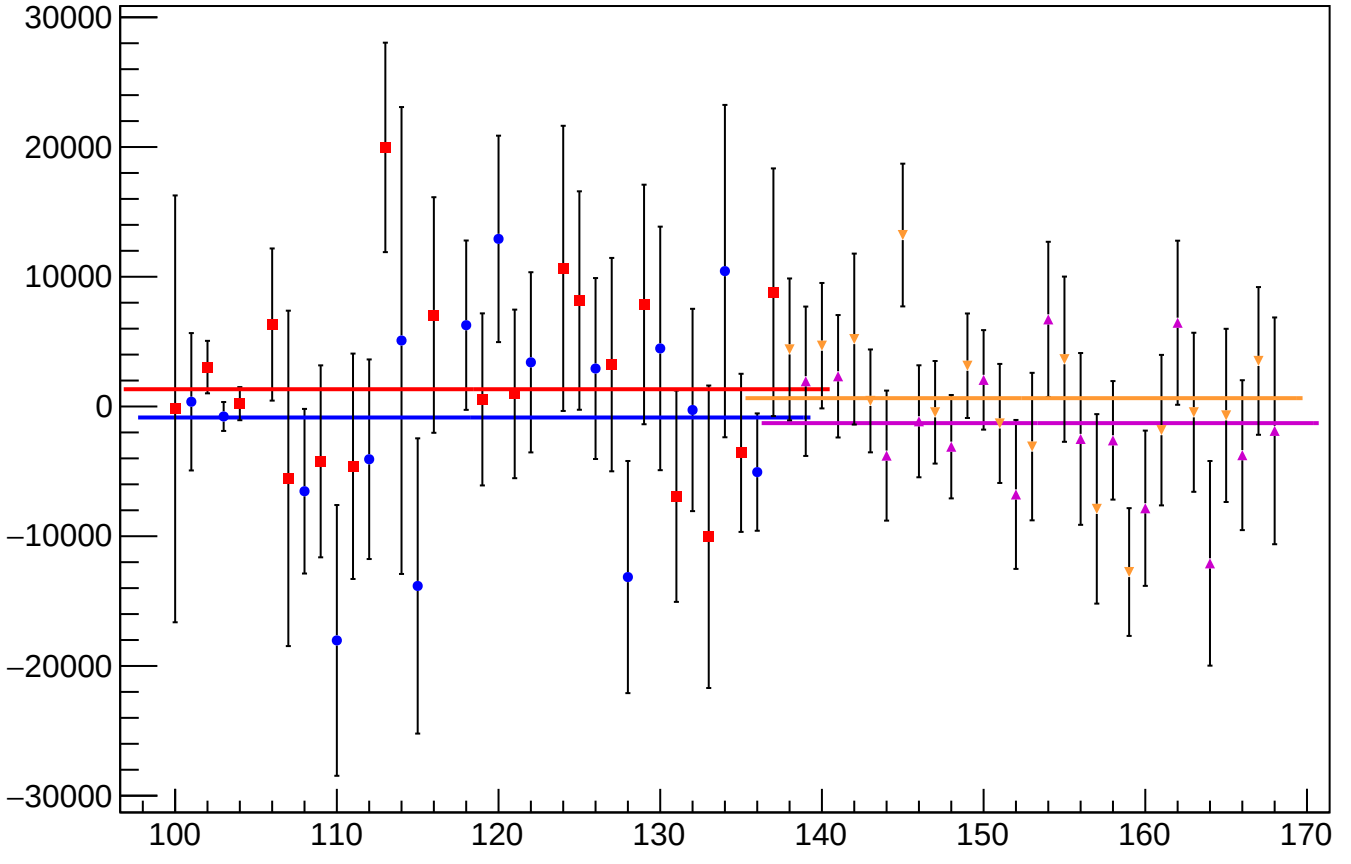
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1717.169+/-0.345 χ^2/NDF:18072.2/14

+ sign 1772.171+/-0.282 χ^2/NDF: 355383.6/31

All: 1772.918+/-0.200 χ^2/NDF: 820834.8/65

- sign 1773.672+/-0.284 χ^2/NDF: 465437.1/33



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 642.101+/-1297.189 χ^2/NDF:17.5/15

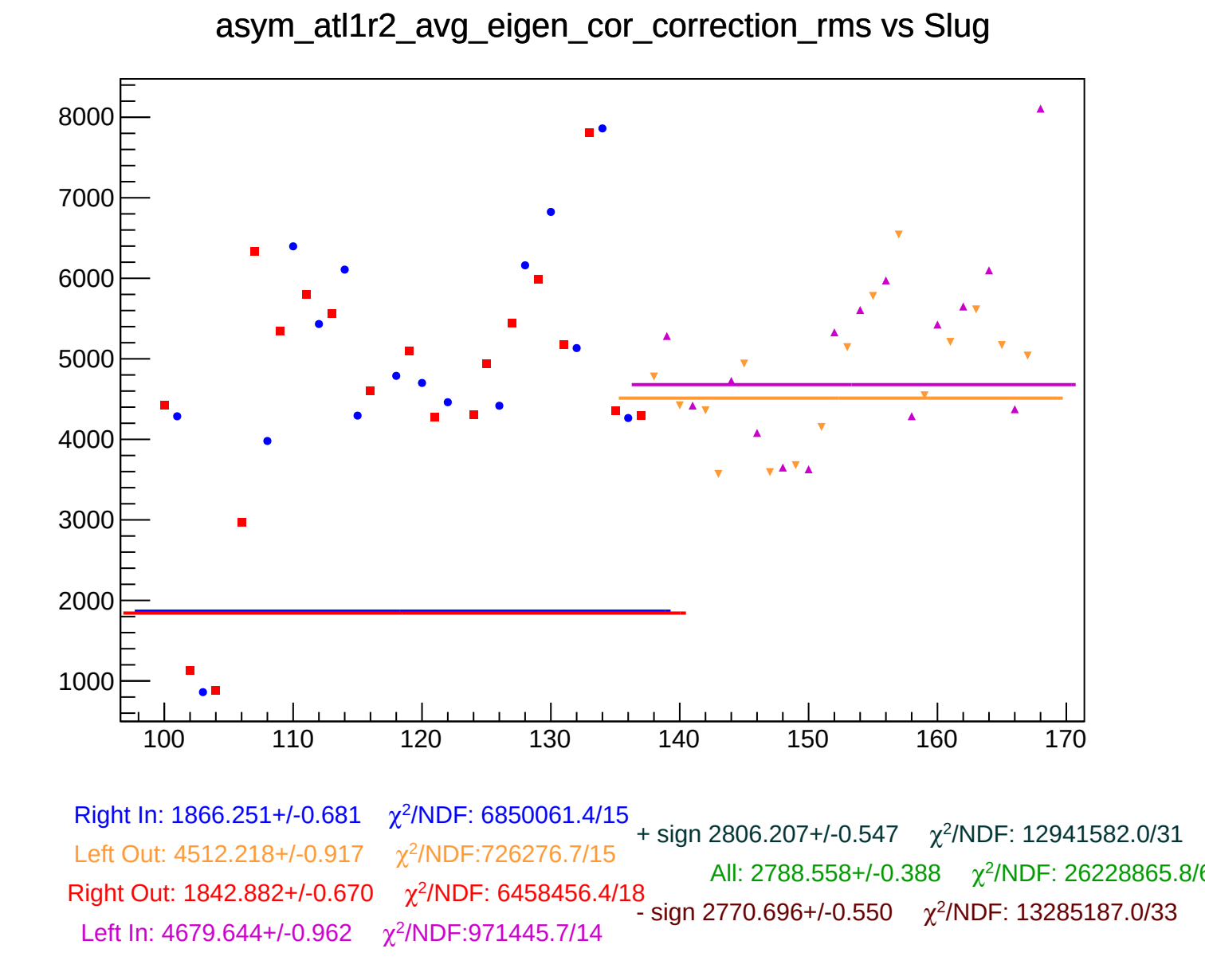
Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -1282.239+/-1360.033 χ^2/NDF:9.7/14

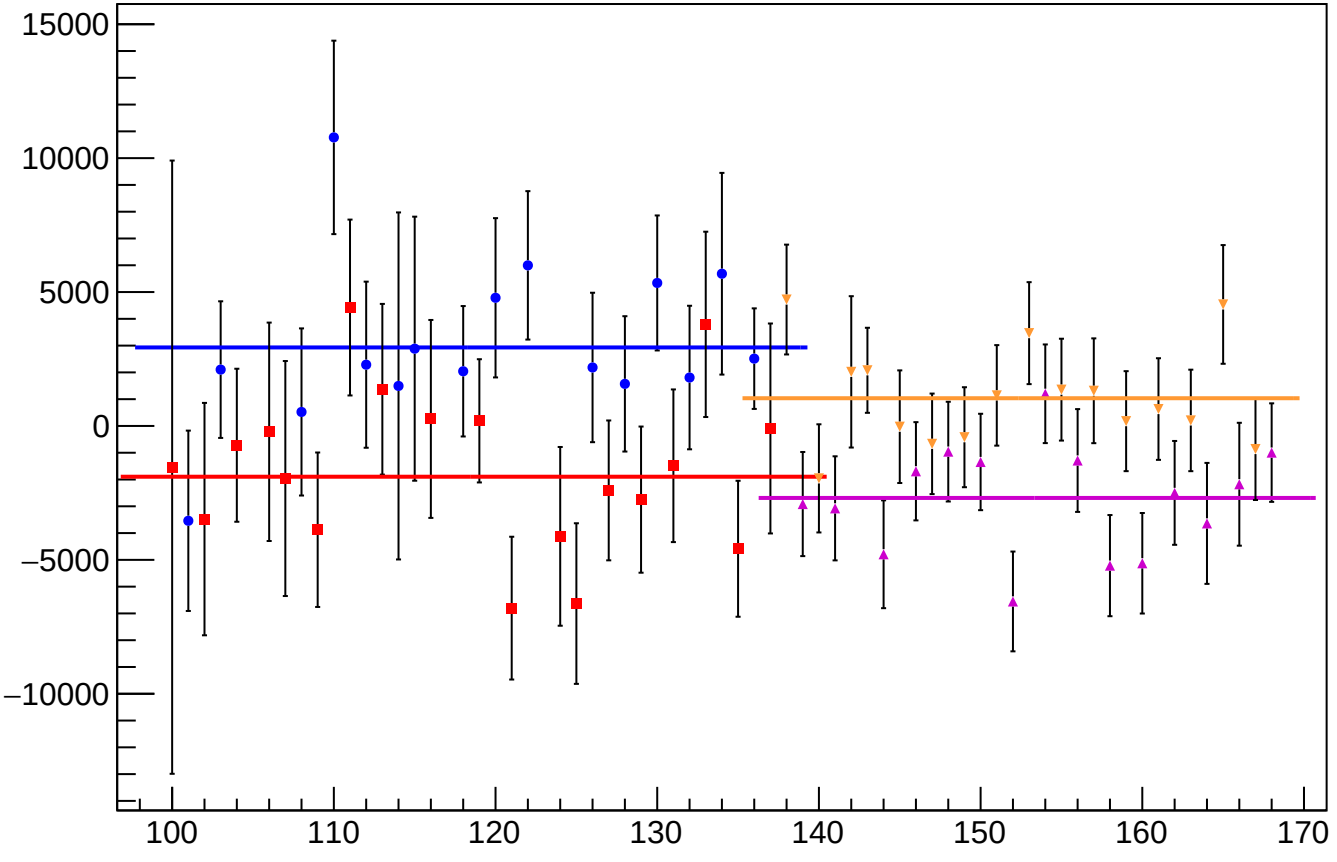
+ sign -318.335+/-773.152 χ^2/NDF: 32.2/31

All: 76.721+/-548.337 χ^2/NDF: 59.3/65

- sign 476.542+/-777.801 χ^2/NDF: 26.6/33


asym_atl1r2_avg_eigen_cor_correction_rms vs Slug
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1866.251+/-0.681 χ²/NDF: 6850061.4/15
Left Out: 4512.218+/-0.917 χ²/NDF:726276.7/15
Right Out: 1842.882+/-0.670 χ²/NDF: 6458456.4/18
Left In: 4679.644+/-0.962 χ²/NDF:971445.7/14
+ sign 2806.207+/-0.547 χ²/NDF: 12941582.0/31
All: 2788.558+/-0.388 χ²/NDF: 26228865.8/6
- sign 2770.696+/-0.550 χ²/NDF: 13285187.0/33

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1035.318+/-486.650 χ^2/NDF:13.3/15

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

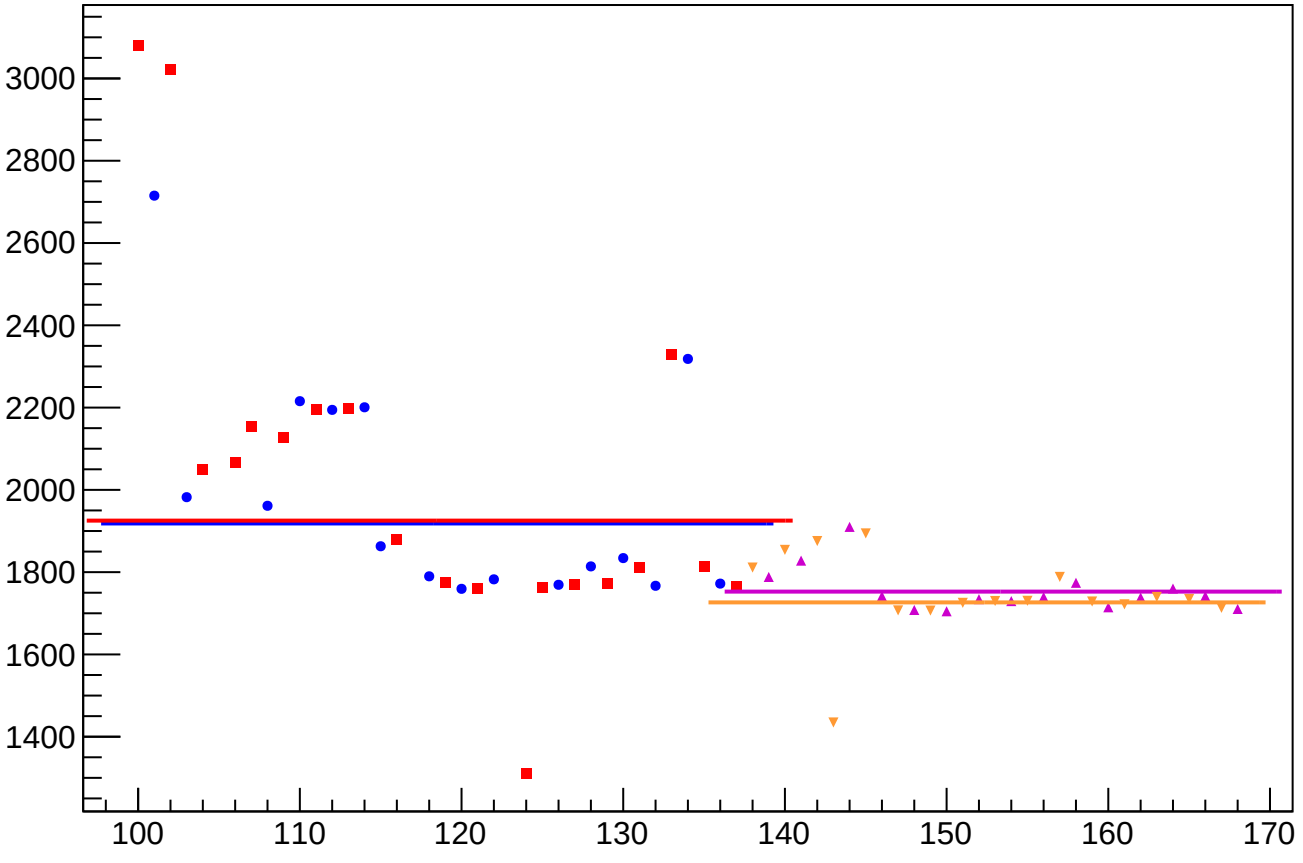
Left In: -2687.911+/-497.724 χ^2/NDF:16.7/14

+ sign 1631.917+/-402.892 χ^2/NDF: 31.0/31

All: -365.911+/-287.292 χ^2/NDF: 116.0/65

- sign -2432.623+/-409.779 χ^2/NDF: 34.9/33

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1726.487+/-0.344 χ^2/NDF:99974.6/15

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

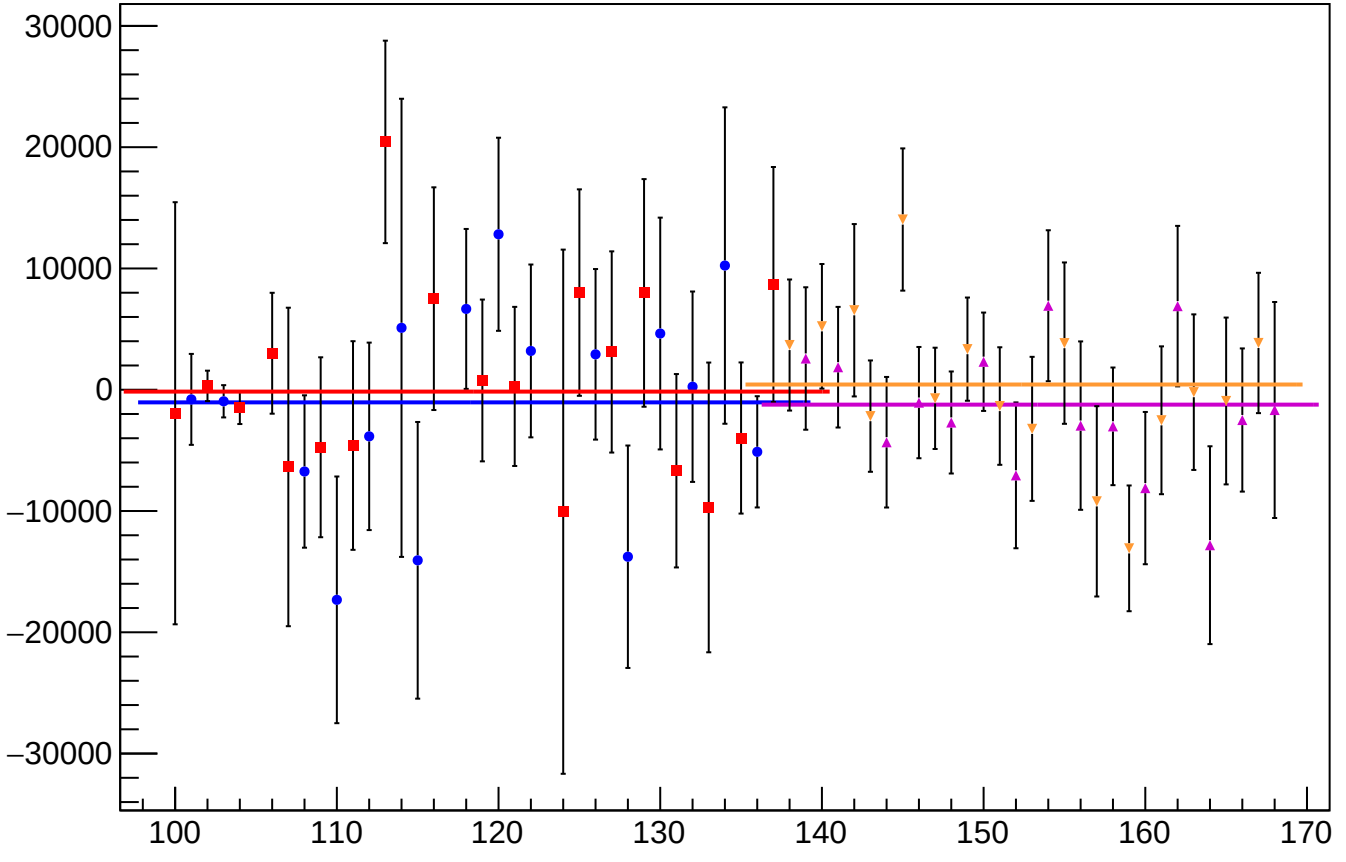
Left In: 1752.703+/-0.352 χ^2/NDF:21439.9/14

+ sign 1786.852+/-0.285 χ^2/NDF: 413385.1/31

All: 1797.425+/-0.203 χ^2/NDF: 854253.6/65

- sign 1808.357+/-0.290 χ^2/NDF: 438067.0/33

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 430.679+/-1373.288 χ^2/NDF:17.9/15

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

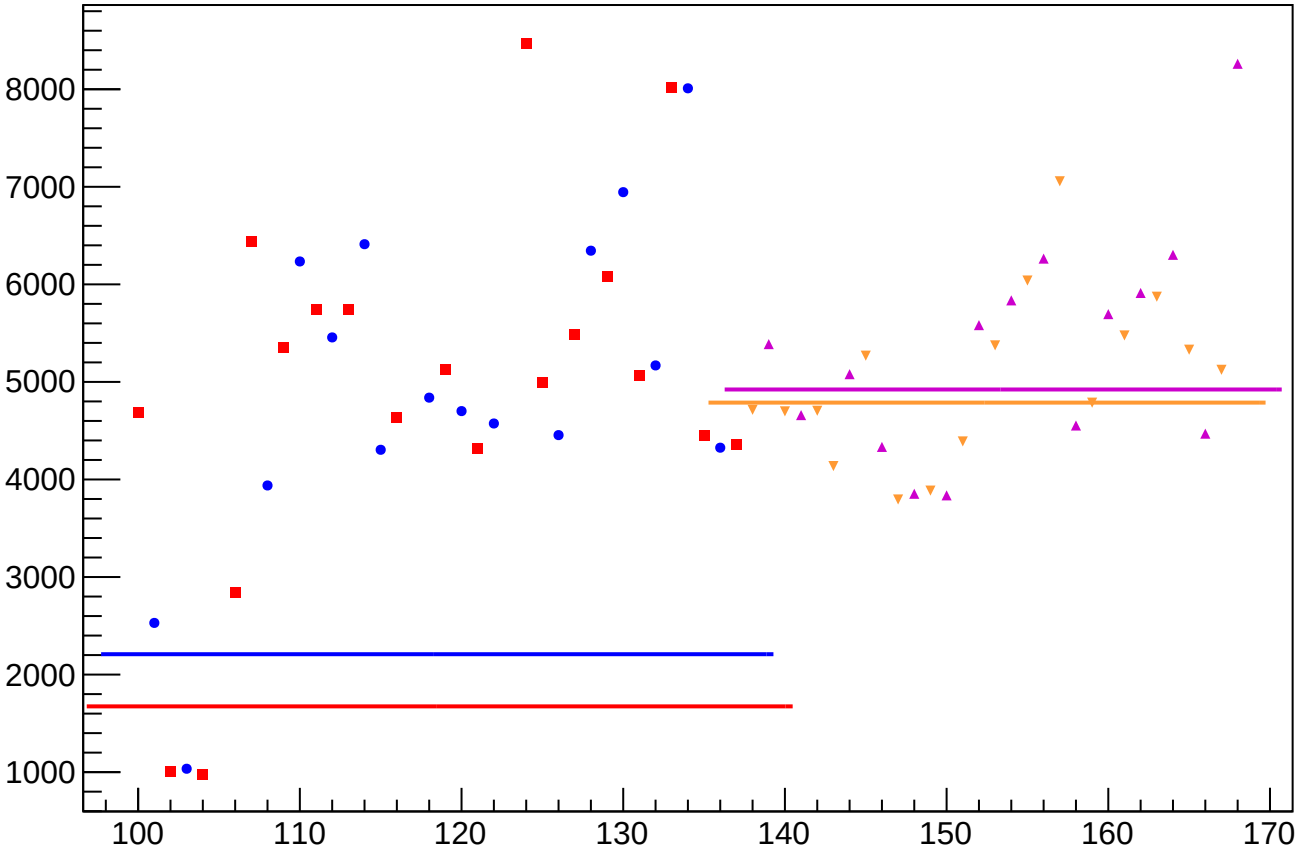
Left In: -1228.819+/-1428.571 χ^2/NDF:9.7/14

+ sign -484.079+/-845.224 χ^2/NDF: 32.5/31

All: -451.476+/-548.674 χ^2/NDF: 56.3/65

- sign -427.733+/-721.311 χ^2/NDF: 23.8/33

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4787.918+/-0.971 χ^2/NDF:630794.3/15

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

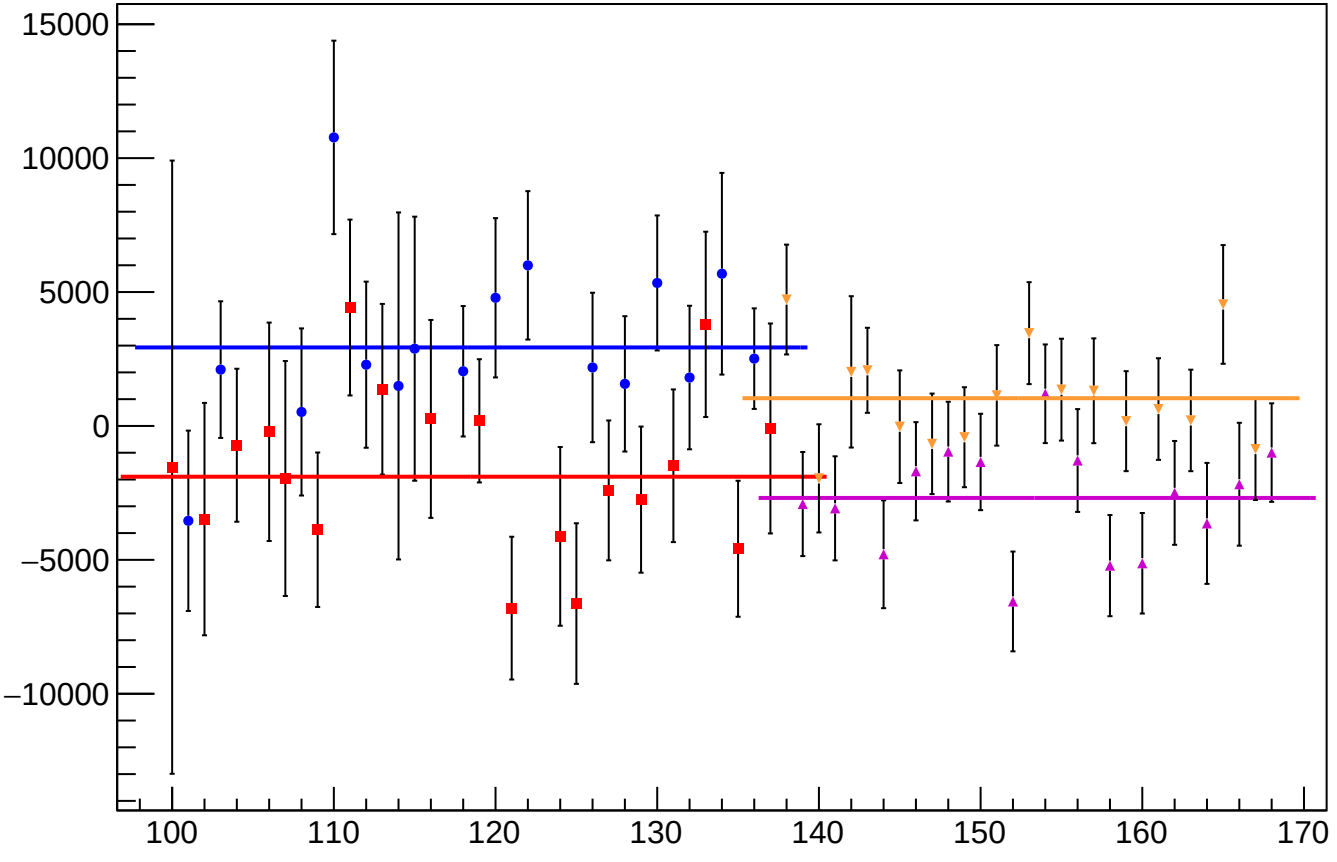
Left In: 4922.394+/-1.010 χ^2/NDF:903658.0/14

+ sign 3185.862+/-0.598 χ^2/NDF: 10511441.4/31

All: 2790.331+/-0.388 χ^2/NDF: 26729155.2/6

- sign 2502.272+/-0.510 χ^2/NDF: 15460771.9/33

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1035.309+/-486.650 χ^2/NDF:13.3/15

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

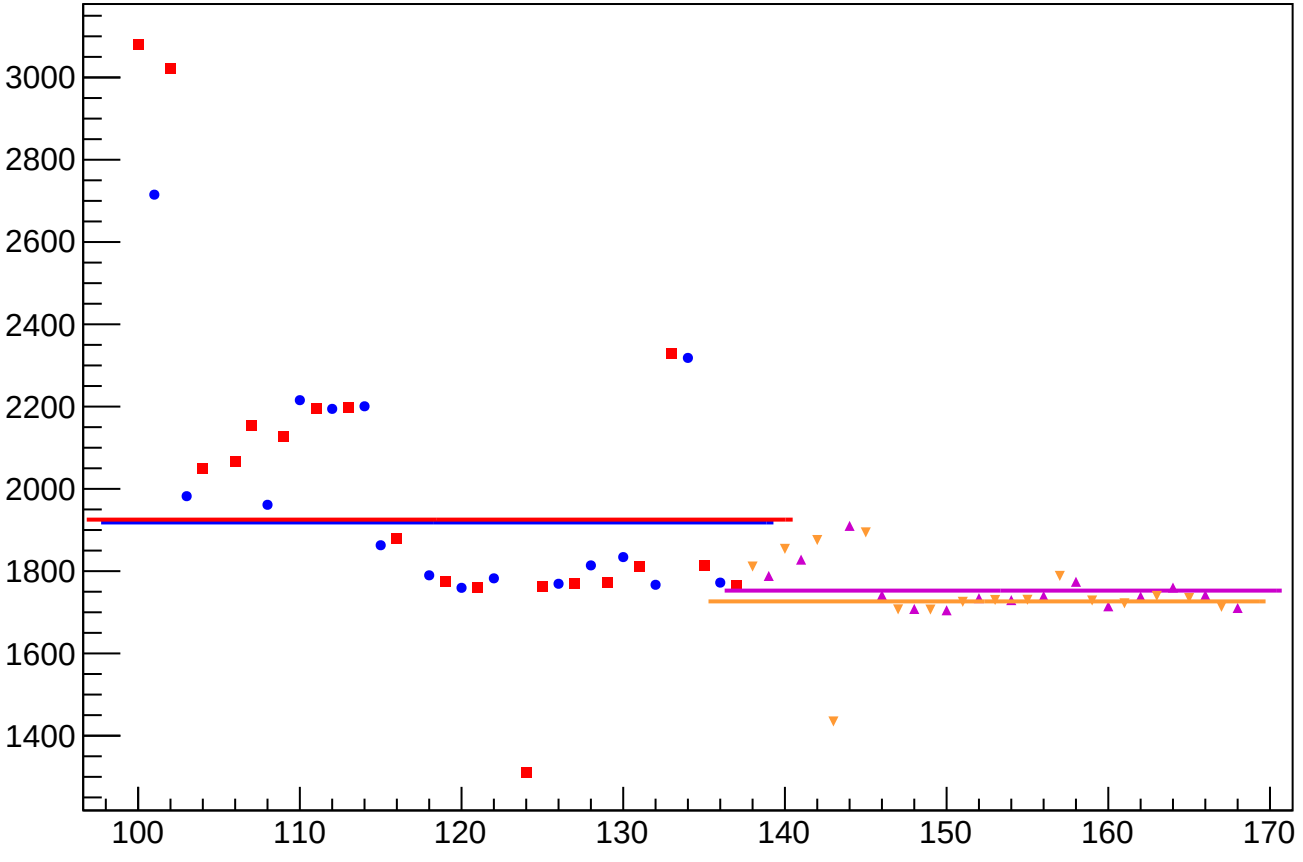
Left In: -2687.914+/-497.724 χ^2/NDF:16.7/14

+ sign 1631.912+/-402.892 χ^2/NDF: 31.0/31

All: -365.915+/-287.292 χ^2/NDF: 116.0/65

- sign -2432.627+/-409.779 χ^2/NDF: 34.9/33

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1726.488+/-0.344 χ^2/NDF:99973.7/15

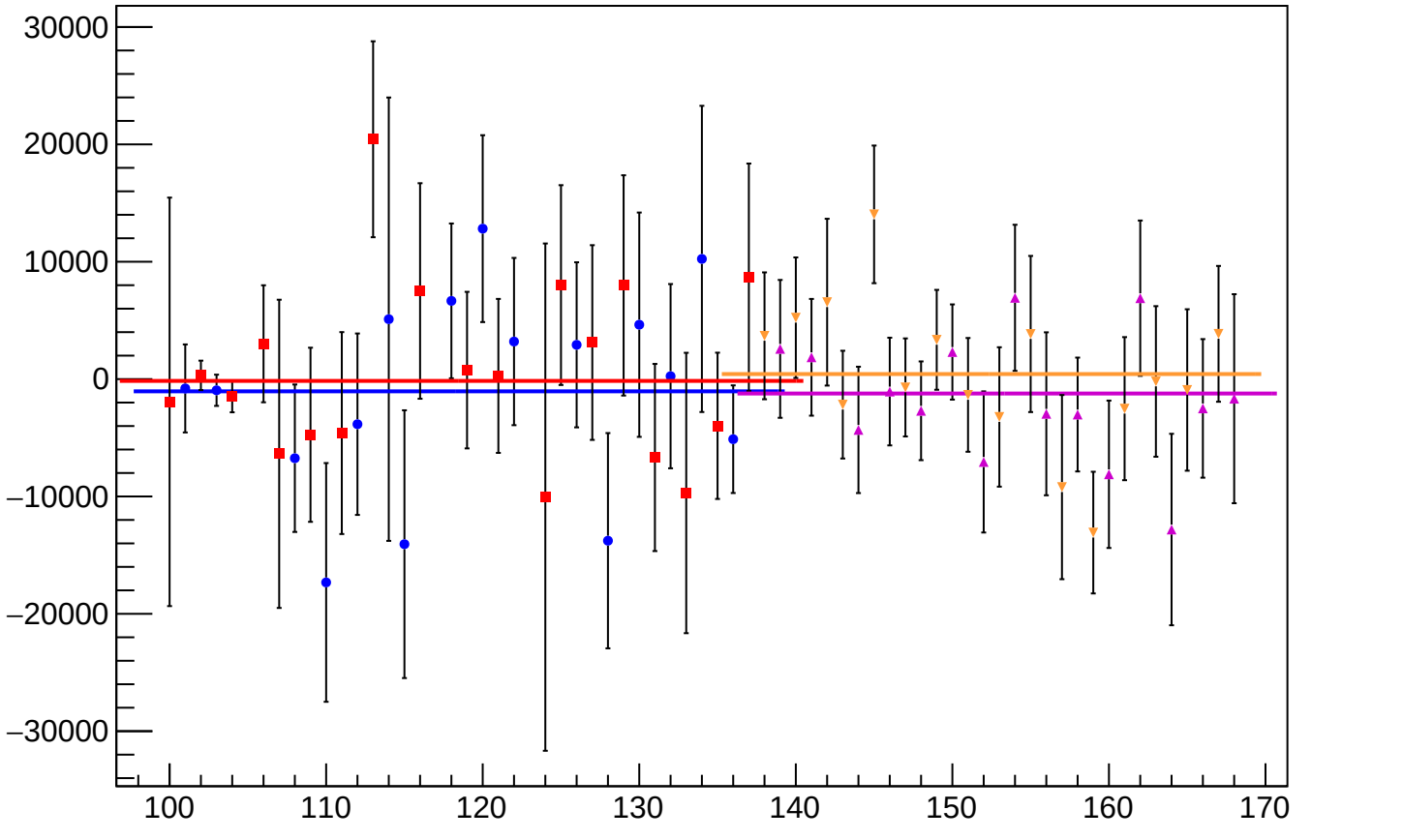
Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1752.704+/-0.352 χ^2/NDF:21439.8/14

+ sign 1786.853+/-0.285 χ^2/NDF: 413382.4/31

All: 1797.426+/-0.203 χ^2/NDF: 854248.2/65

- sign 1808.358+/-0.290 χ^2/NDF: 438064.4/33



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 430.675+/-1373.291 χ^2/NDF:17.9/15

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

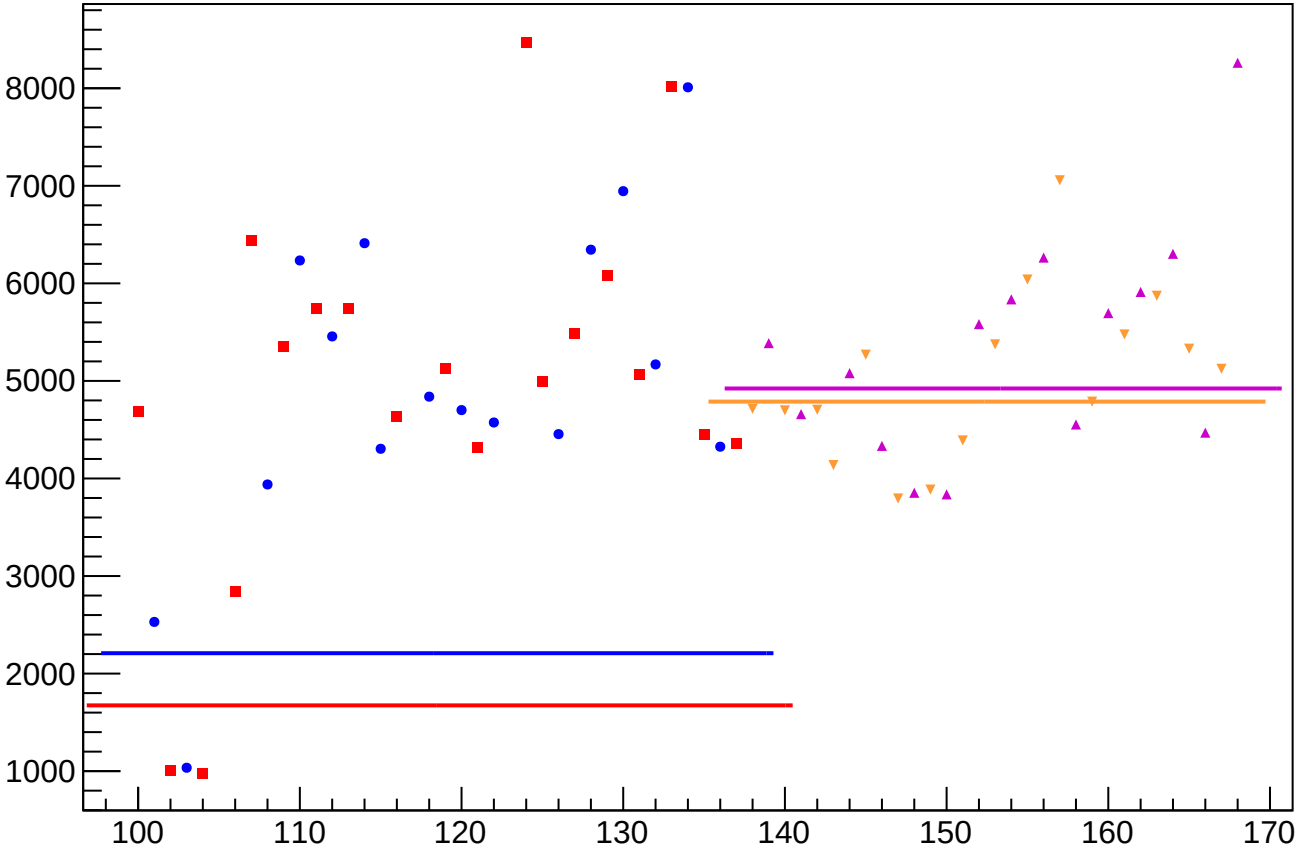
Left In: -1228.817+/-1428.573 χ^2/NDF:9.7/14

+ sign -484.081+/-845.224 χ^2/NDF: 32.5/31

All: -451.474+/-548.675 χ^2/NDF: 56.3/65

- sign -427.727+/-721.311 χ^2/NDF: 23.8/33

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4787.926+/-0.971 χ^2/NDF:630794.6/15

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

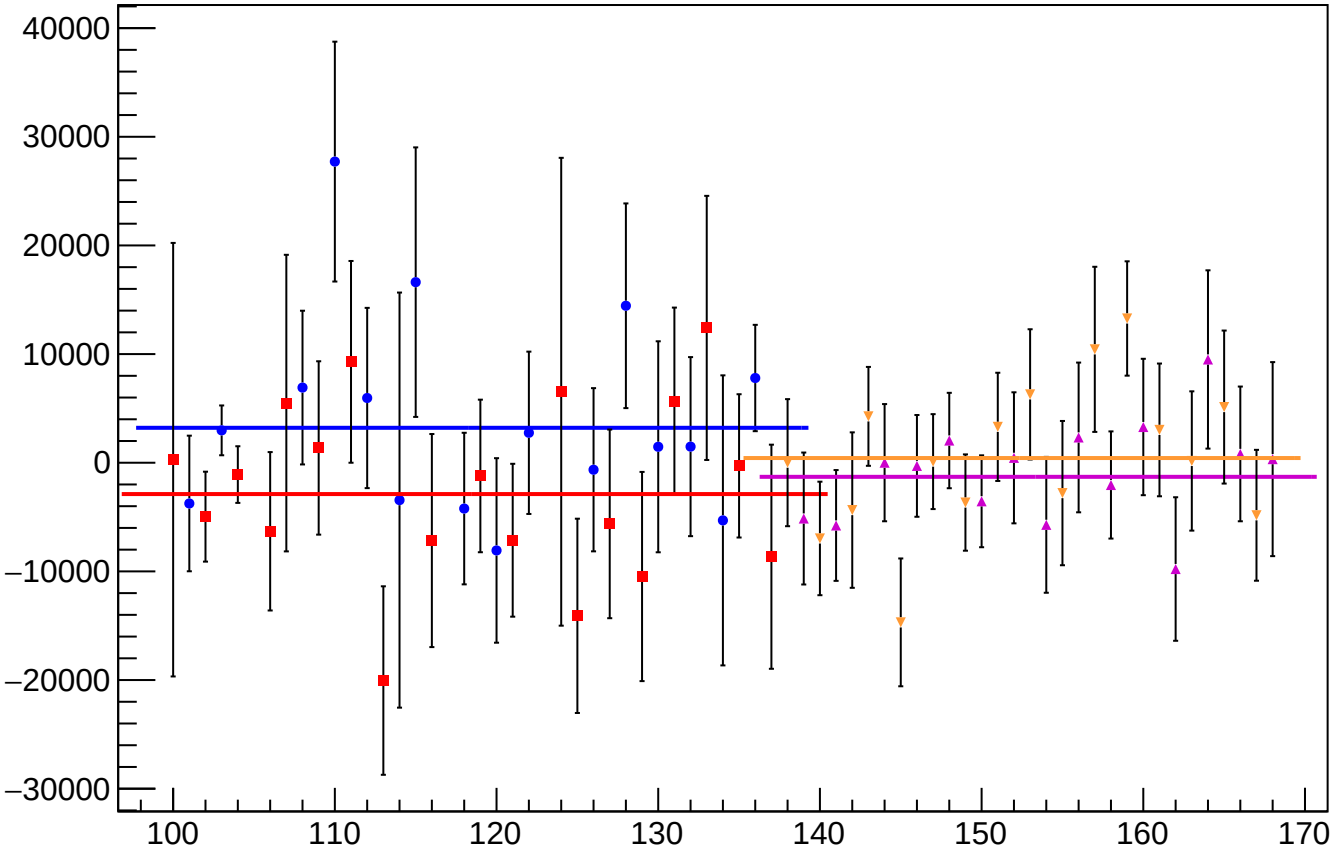
Left In: 4922.402+/-1.010 χ^2/NDF:903657.7/14

+ sign 3185.862+/-0.598 χ^2/NDF: 10511458.7/31

All: 2790.331+/-0.388 χ^2/NDF: 26729188.5/6

- sign 2502.271+/-0.510 χ^2/NDF: 15460786.9/33

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 431.980+/-1401.544 χ^2/NDF:21.2/15

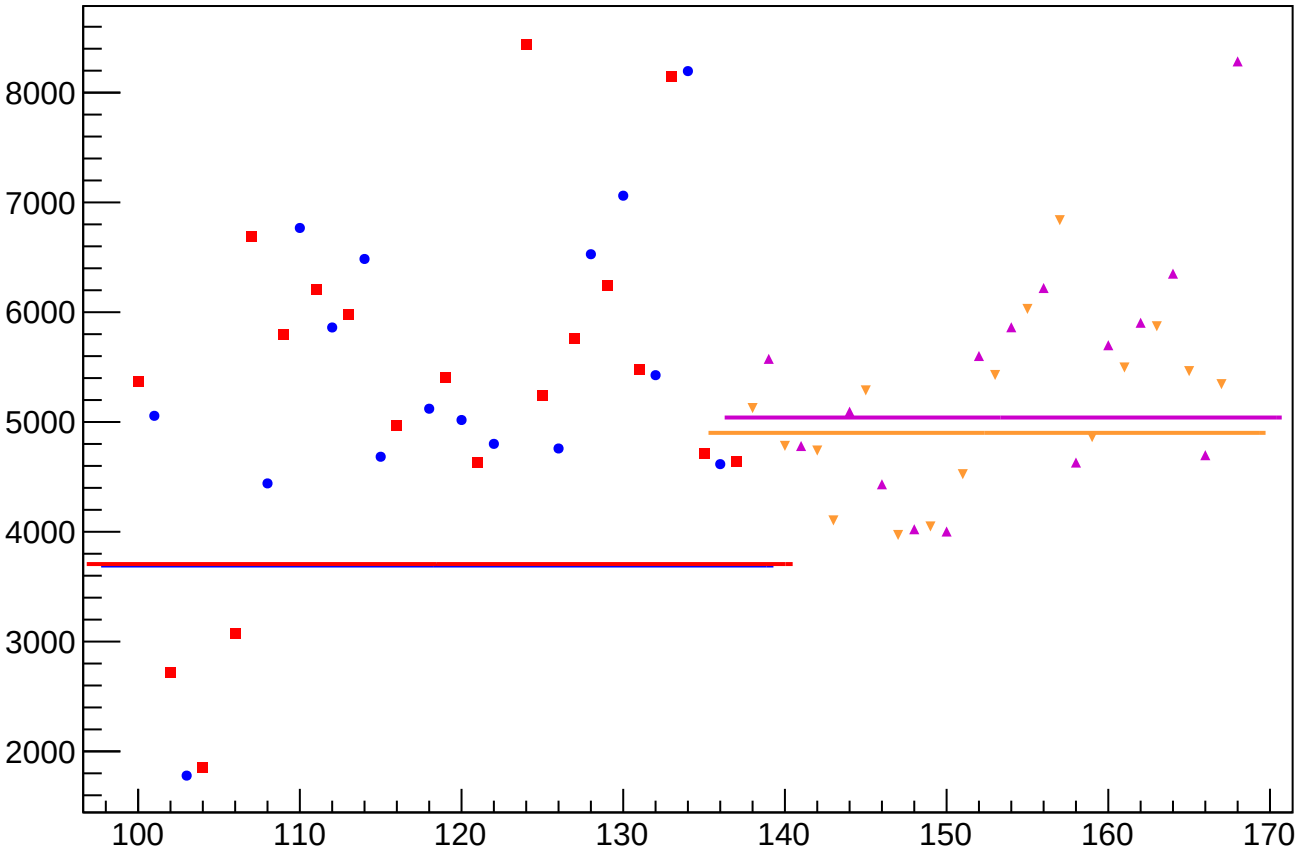
Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: -1296.612+/-1458.148 χ^2/NDF:7.1/14

+ sign 1693.761+/-1036.316 χ^2/NDF: 36.8/31

All: -126.387+/-741.950 χ^2/NDF: 64.2/65

- sign -2040.524+/-1062.736 χ^2/NDF: 21.0/33



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4901.072+/-0.991 χ^2/NDF:542987.6/15

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

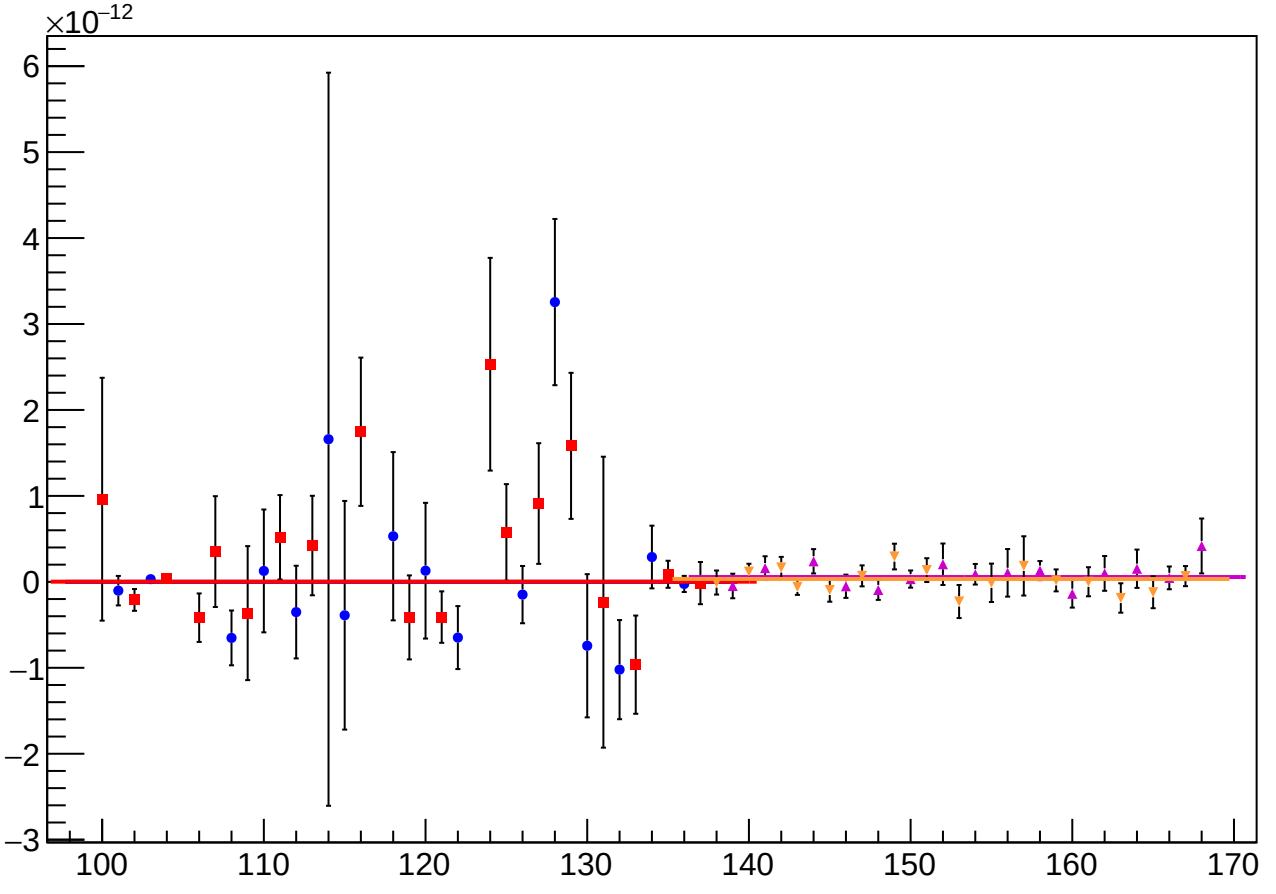
Left In: 5040.712+/-1.031 χ^2/NDF:784113.0/14

+ sign 4353.402+/-0.733 χ^2/NDF: 4102388.9/31

All: 4380.313+/-0.523 χ^2/NDF: 8367665.6/65

- sign 4408.347+/-0.748 χ^2/NDF: 4262523.2/33

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:12.2/15

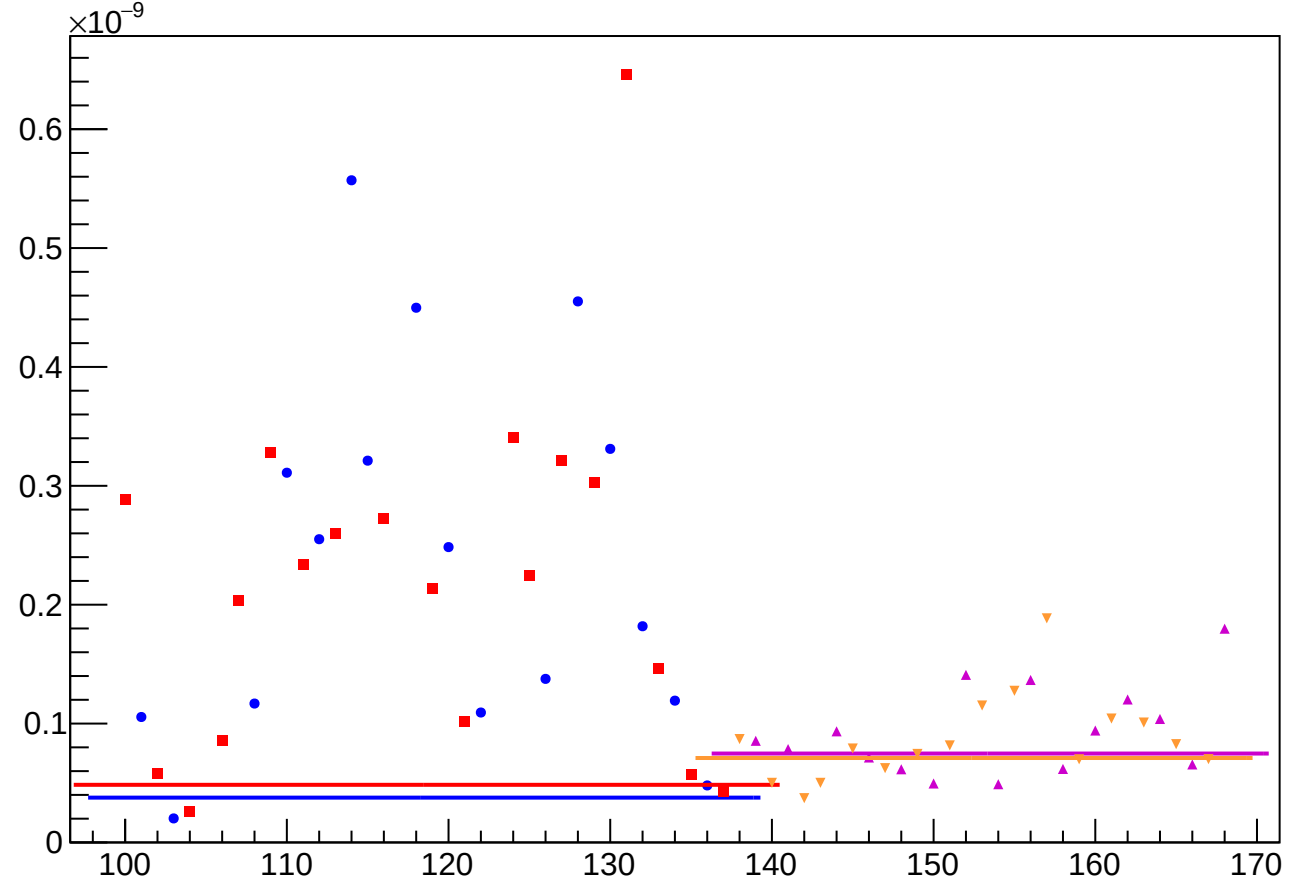
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 38.1/31

All: 0.000+/-0.000 χ^2/NDF: 76.4/65

- sign 0.000+/-0.000 χ^2/NDF: 38.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1019733.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

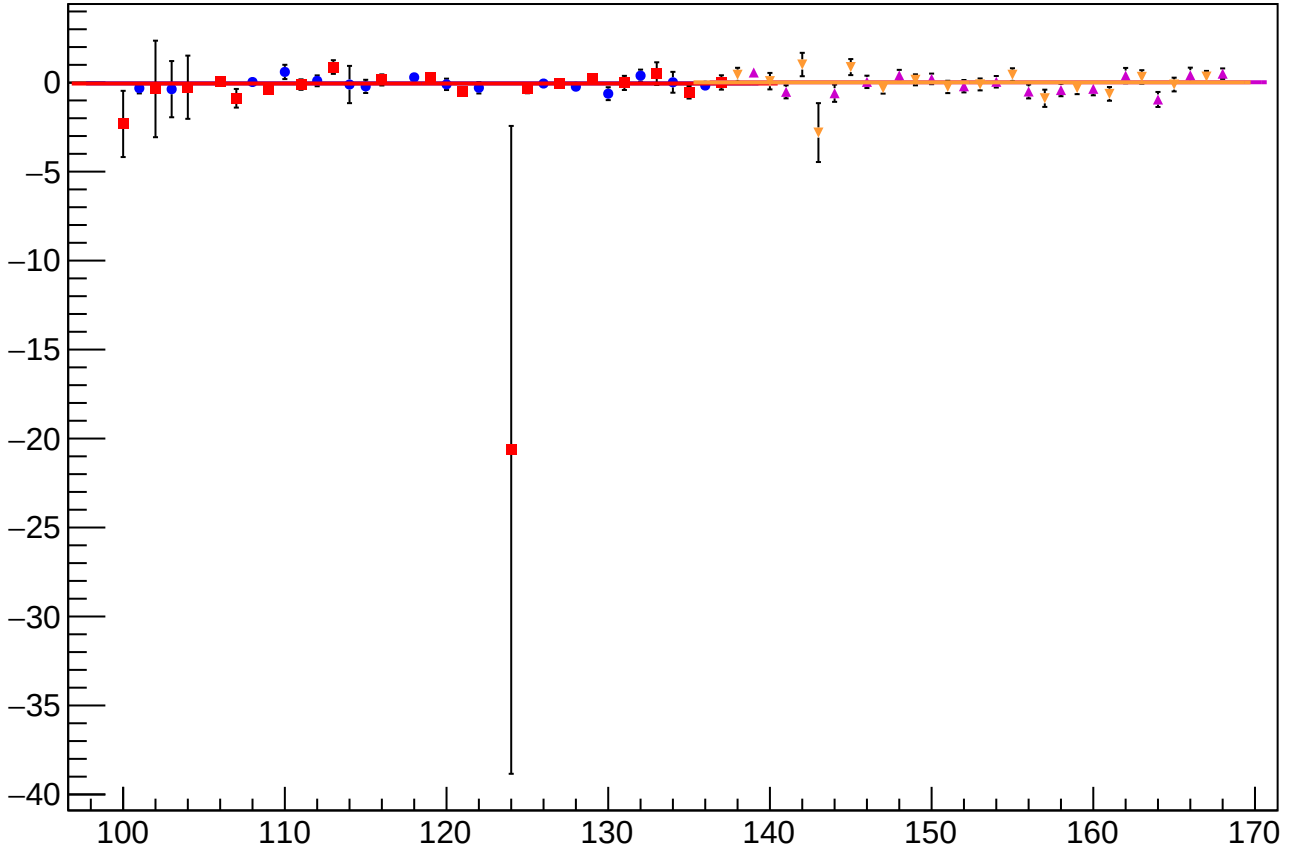
Left In: 0.000+/-0.000 χ^2/NDF:963045.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 5053218.8/31

All: 0.000+/-0.000 χ^2/NDF: 9419629.6/65

- sign 0.000+/-0.000 χ^2/NDF: 4263948.6/33

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.017+/-0.096 χ^2/NDF:22.4/15

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

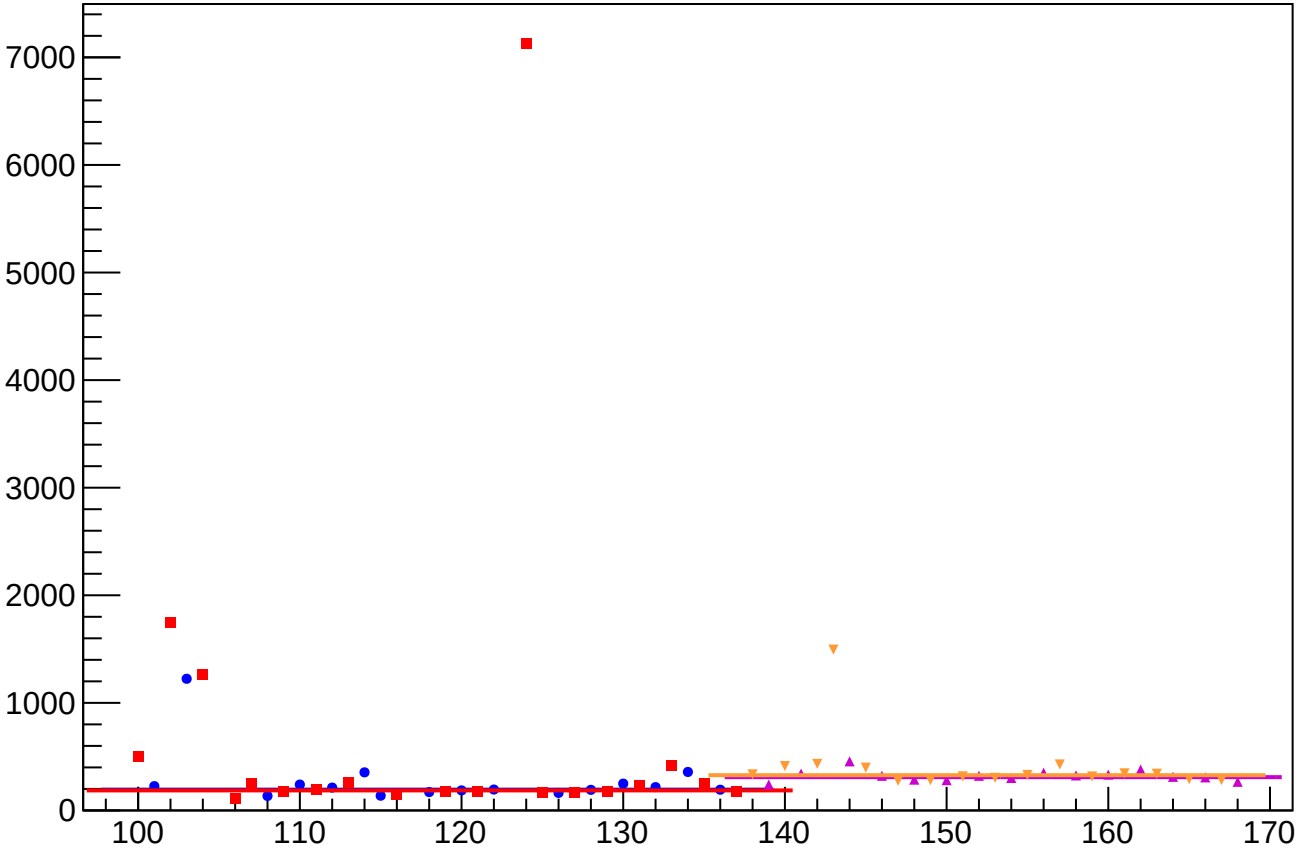
Left In: 0.022+/-0.090 χ^2/NDF:24.0/14

+ sign -0.018+/-0.061 χ^2/NDF: 34.3/31

All: -0.018+/-0.042 χ^2/NDF: 81.7/65

- sign -0.018+/-0.059 χ^2/NDF: 47.3/33

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 327.641+/-0.068 χ^2/NDF:1429302.1/15

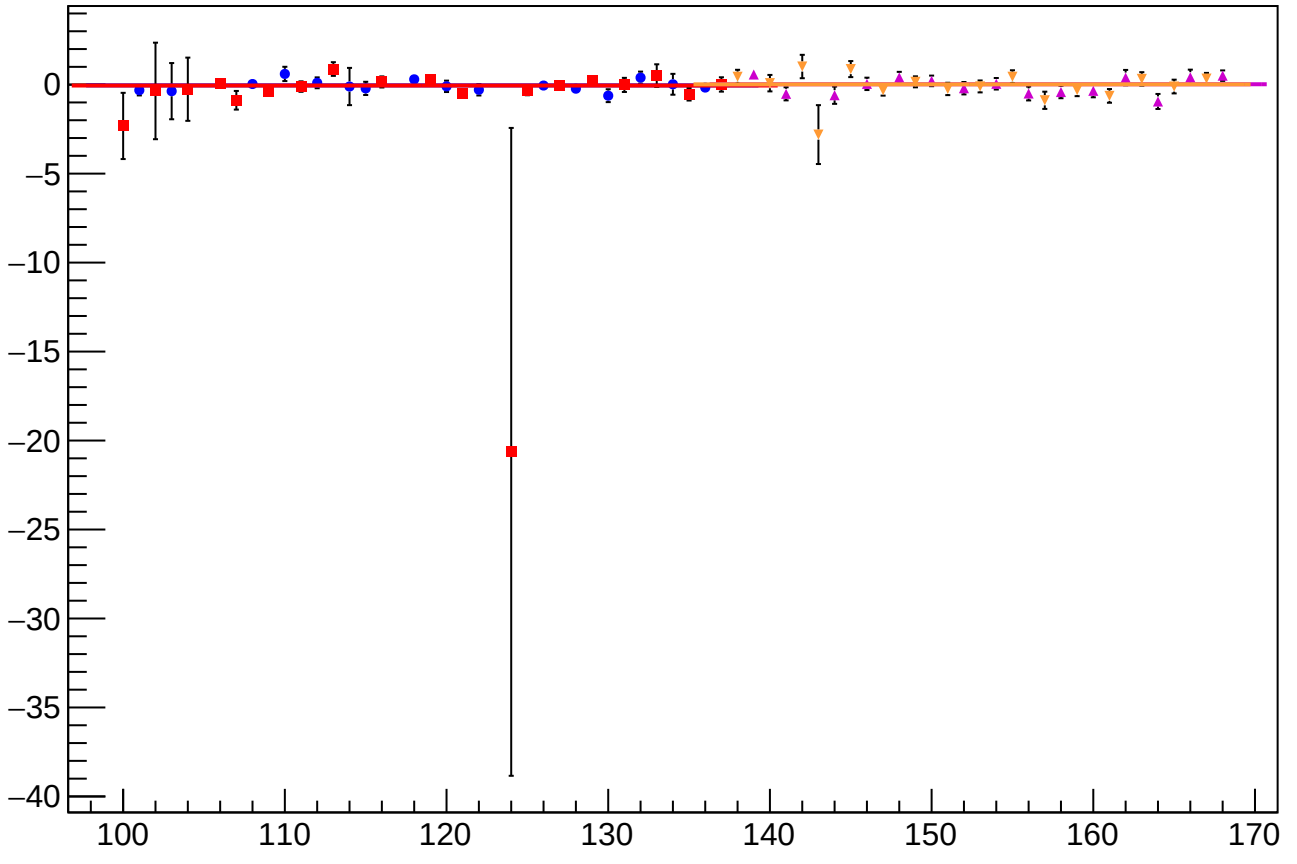
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 309.551+/-0.064 χ^2/NDF:491377.5/14

+ sign 246.241+/-0.043 χ^2/NDF: 5193654.5/31

All: 242.878+/-0.030 χ^2/NDF: 10289811.9/65

- sign 239.642+/-0.042 χ^2/NDF: 5084036.7/33



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.017+/-0.096 χ^2/NDF:22.4/15

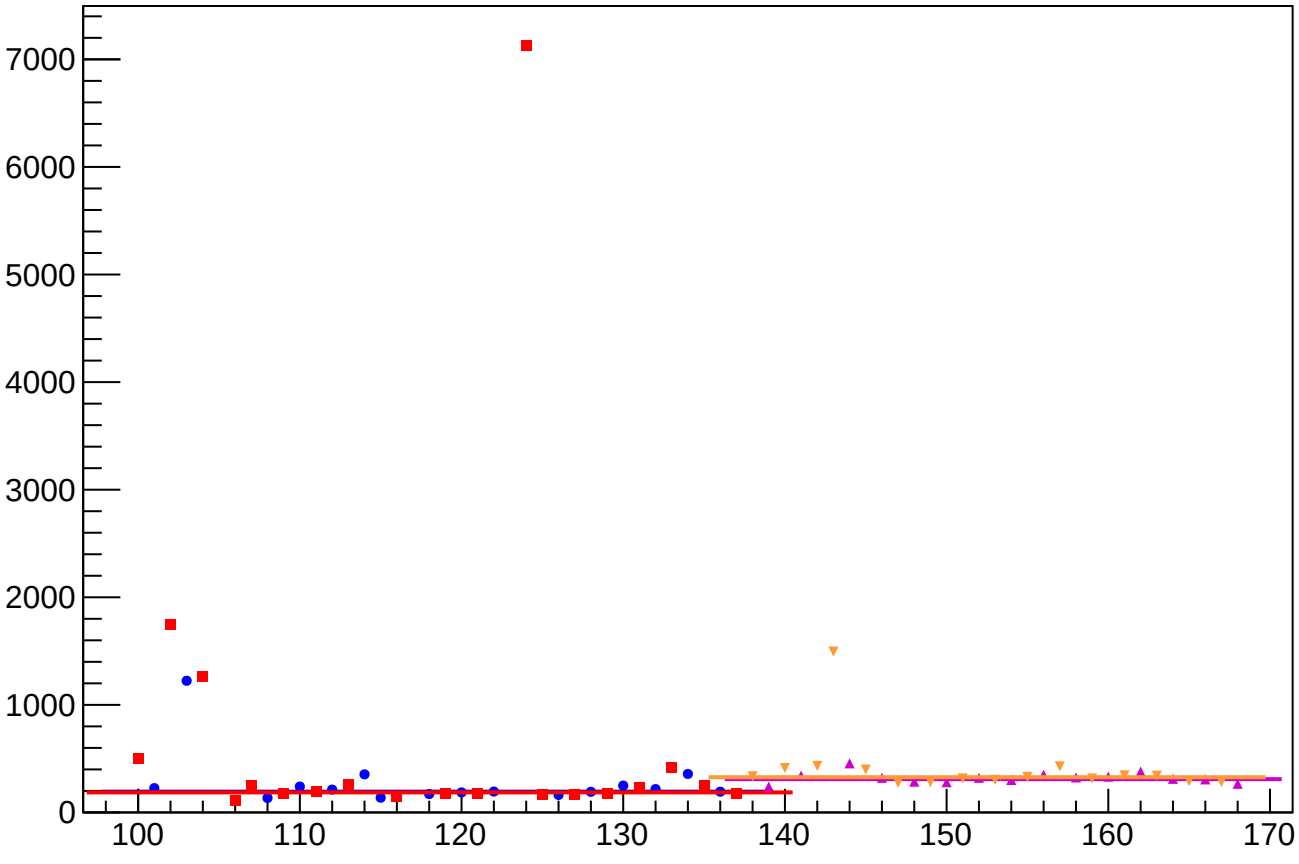
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.022+/-0.090 χ^2/NDF:24.0/14

+ sign -0.018+/-0.061 χ^2/NDF: 34.3/31

All: -0.018+/-0.042 χ^2/NDF: 81.7/65

- sign -0.018+/-0.059 χ^2/NDF: 47.3/33



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 327.641+/-0.068 χ^2/NDF:1429302.1/15

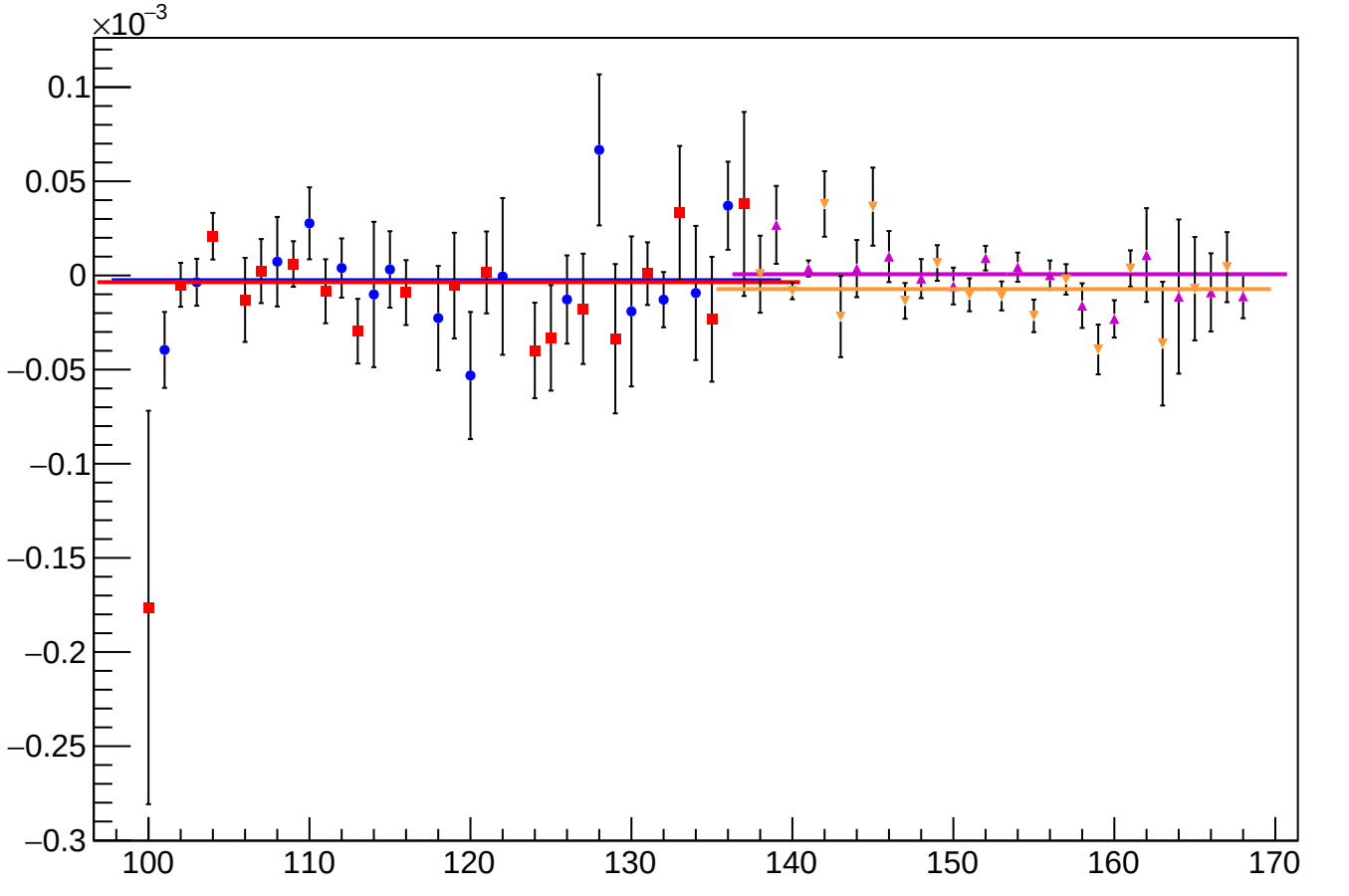
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 309.551+/-0.064 χ^2/NDF:491377.5/14

+ sign 246.241+/-0.043 χ^2/NDF: 5193654.5/31

All: 242.878+/-0.030 χ^2/NDF: 10289811.9/65

- sign 239.642+/-0.042 χ^2/NDF: 5084036.7/33



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.2/15

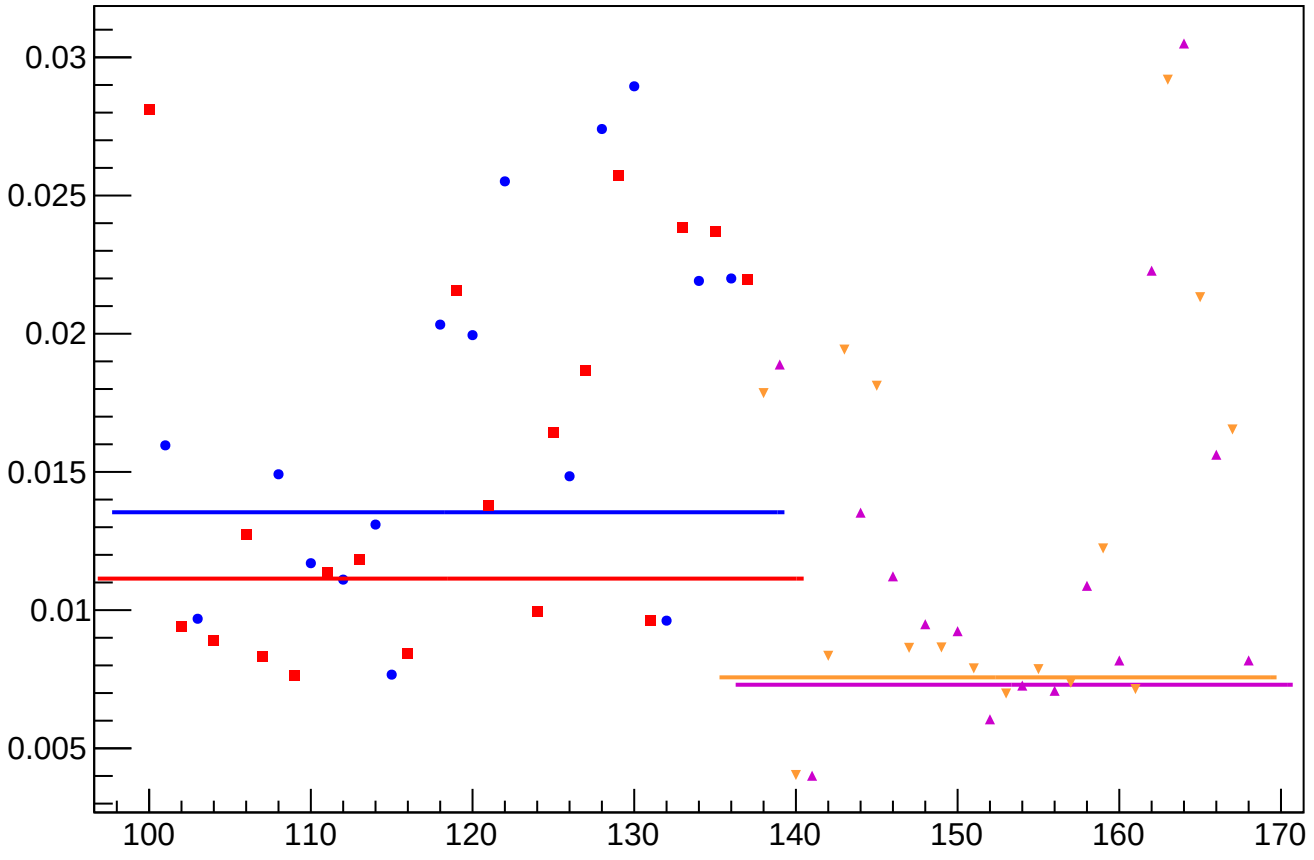
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:14.2/14

+ sign -0.000+/-0.000 χ^2/NDF: 42.7/31

All: -0.000+/-0.000 χ^2/NDF: 77.9/65

- sign -0.000+/-0.000 χ^2/NDF: 31.2/33



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:5078118.0/15

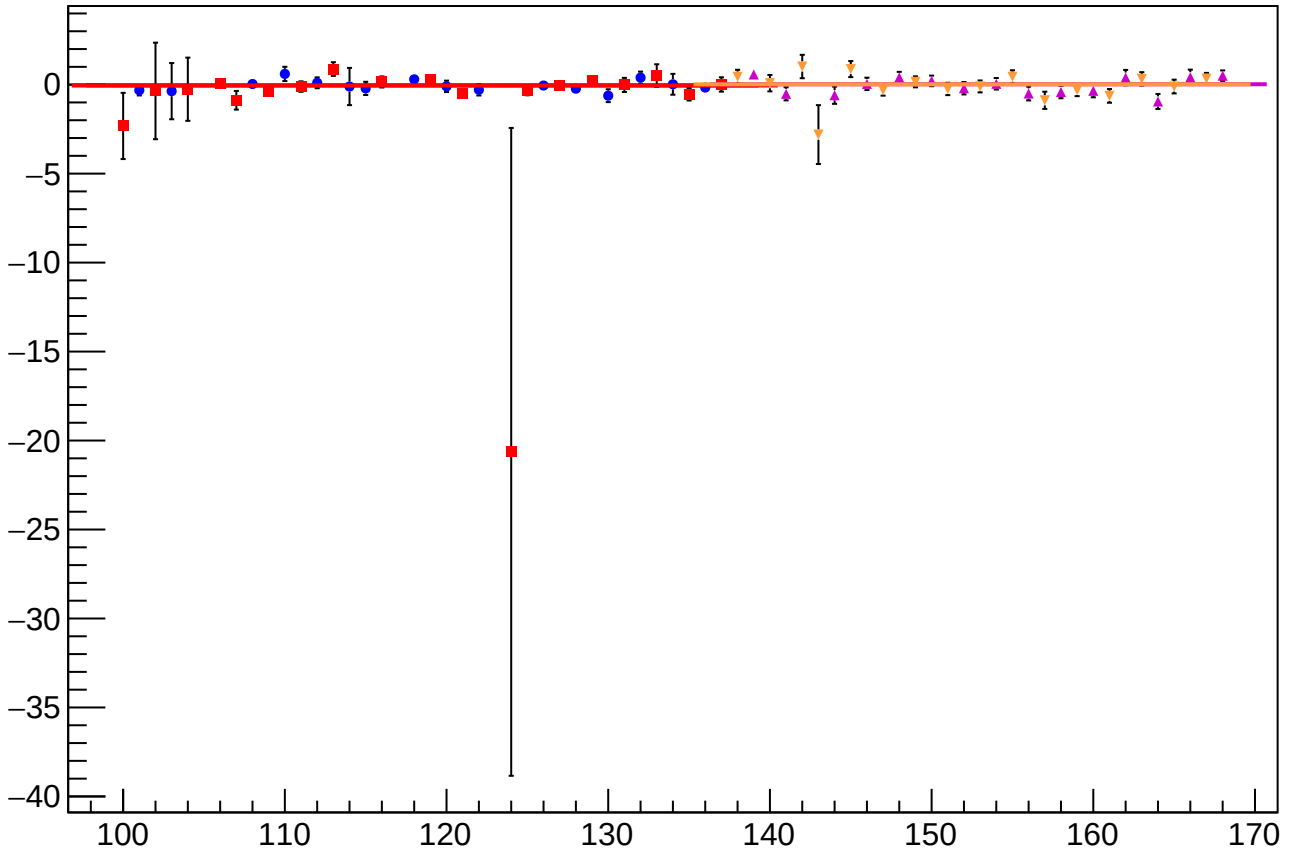
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:4462475.5/14

+ sign 0.009+/-0.000 χ^2/NDF: 8947659.7/31

All: 0.008+/-0.000 χ^2/NDF: 16480978.1/65

- sign 0.008+/-0.000 χ^2/NDF: 7496868.9/33



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.017+/-0.096 χ^2/NDF:22.4/15

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

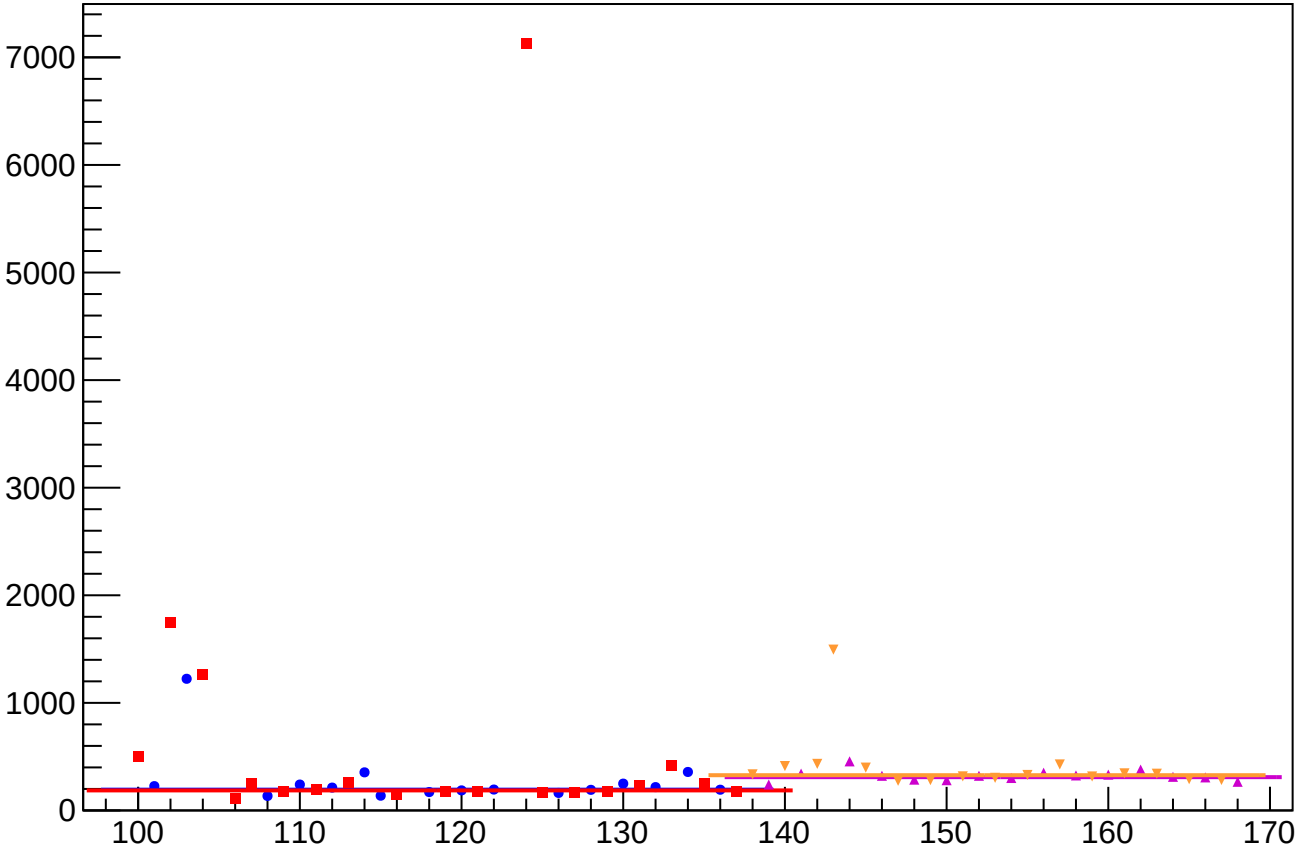
Left In: 0.022+/-0.090 χ^2/NDF:24.0/14

+ sign -0.018+/-0.061 χ^2/NDF: 34.3/31

All: -0.018+/-0.042 χ^2/NDF: 81.7/65

- sign -0.018+/-0.059 χ^2/NDF: 47.3/33

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: 327.647+/-0.068 χ^2/NDF:1429270.6/15

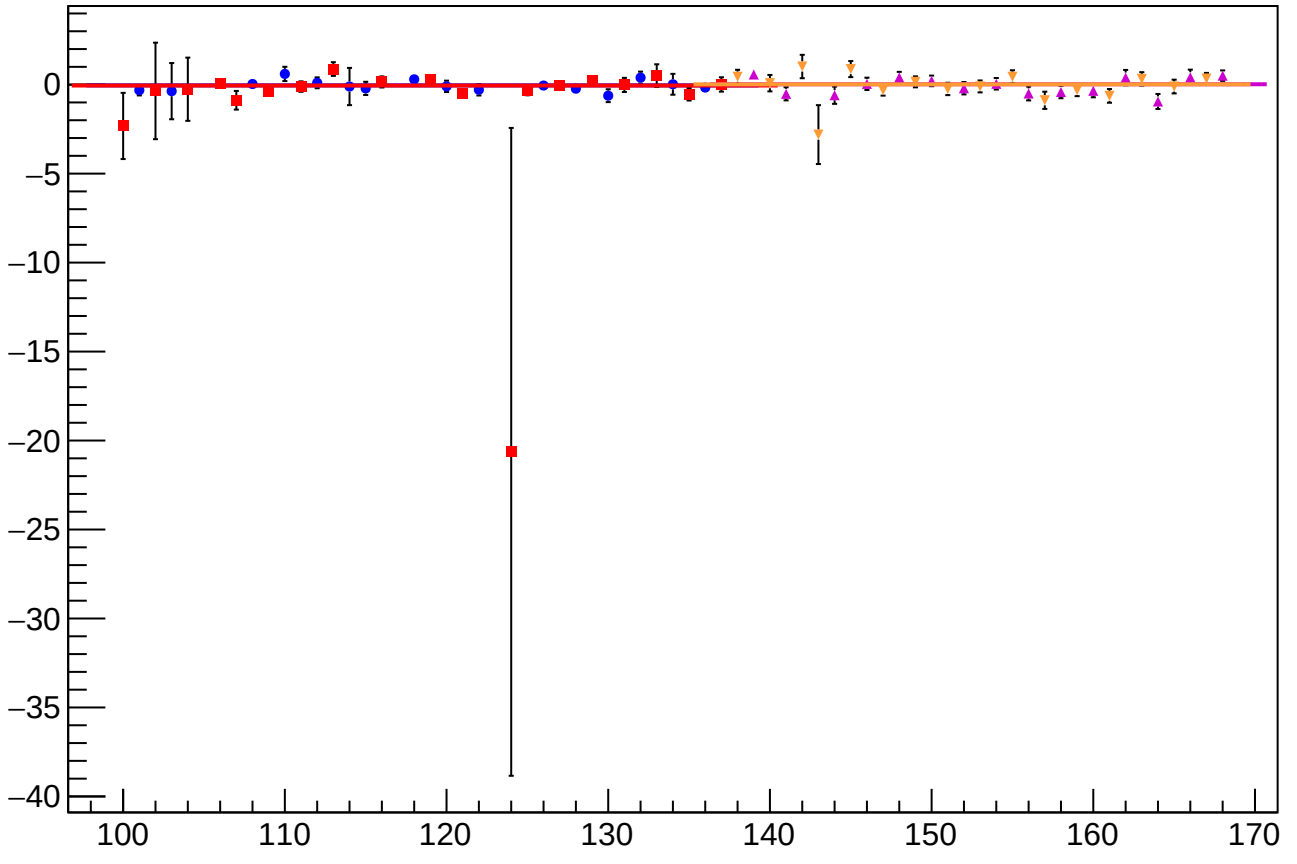
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 309.556+/-0.064 χ^2/NDF:491361.8/14

+ sign 246.240+/-0.043 χ^2/NDF: 5193828.0/31

All: 242.877+/-0.030 χ^2/NDF: 10290229.8/65

- sign 239.641+/-0.042 χ^2/NDF: 5084279.7/33



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.017+/-0.096 χ^2/NDF:22.4/15

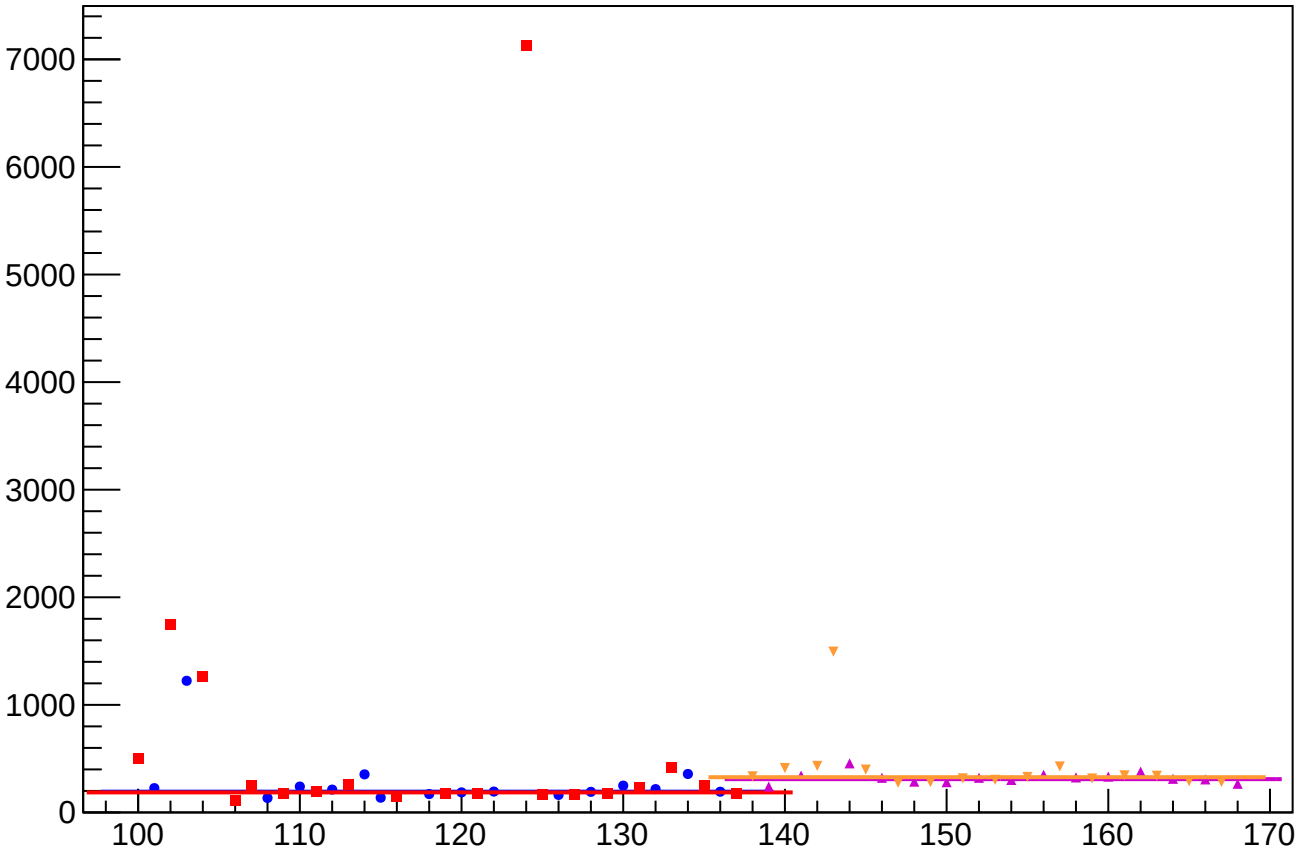
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.022+/-0.090 χ^2/NDF:24.0/14

+ sign -0.018+/-0.061 χ^2/NDF: 34.3/31

All: -0.018+/-0.042 χ^2/NDF: 81.7/65

- sign -0.018+/-0.059 χ^2/NDF: 47.3/33



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 327.647+/-0.068 χ^2/NDF:1429270.6/15

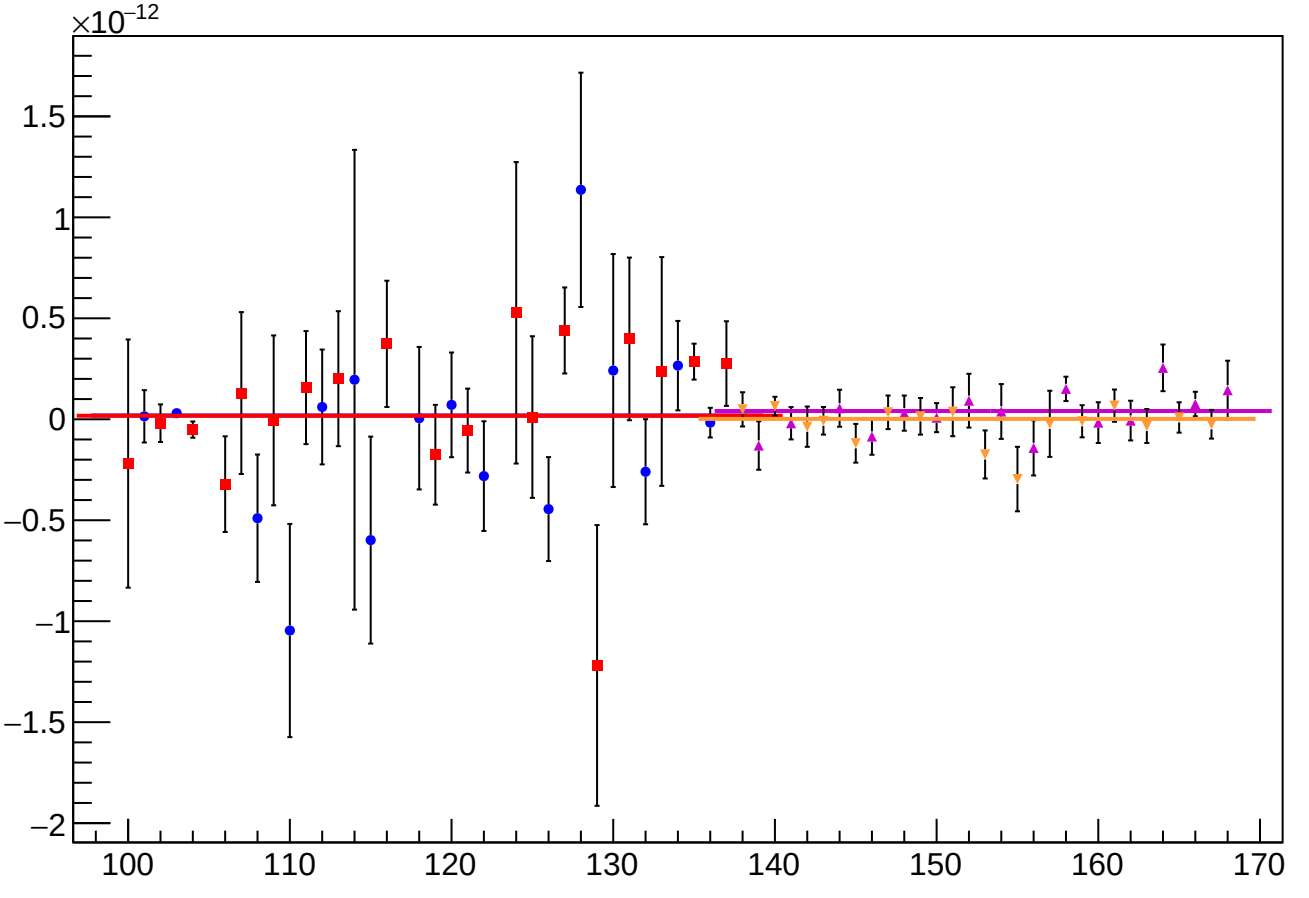
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 309.556+/-0.064 χ^2/NDF:491361.8/14

+ sign 246.240+/-0.043 χ^2/NDF: 5193828.0/31

All: 242.877+/-0.030 χ^2/NDF: 10290229.8/65

- sign 239.641+/-0.042 χ^2/NDF: 5084279.7/33



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/15

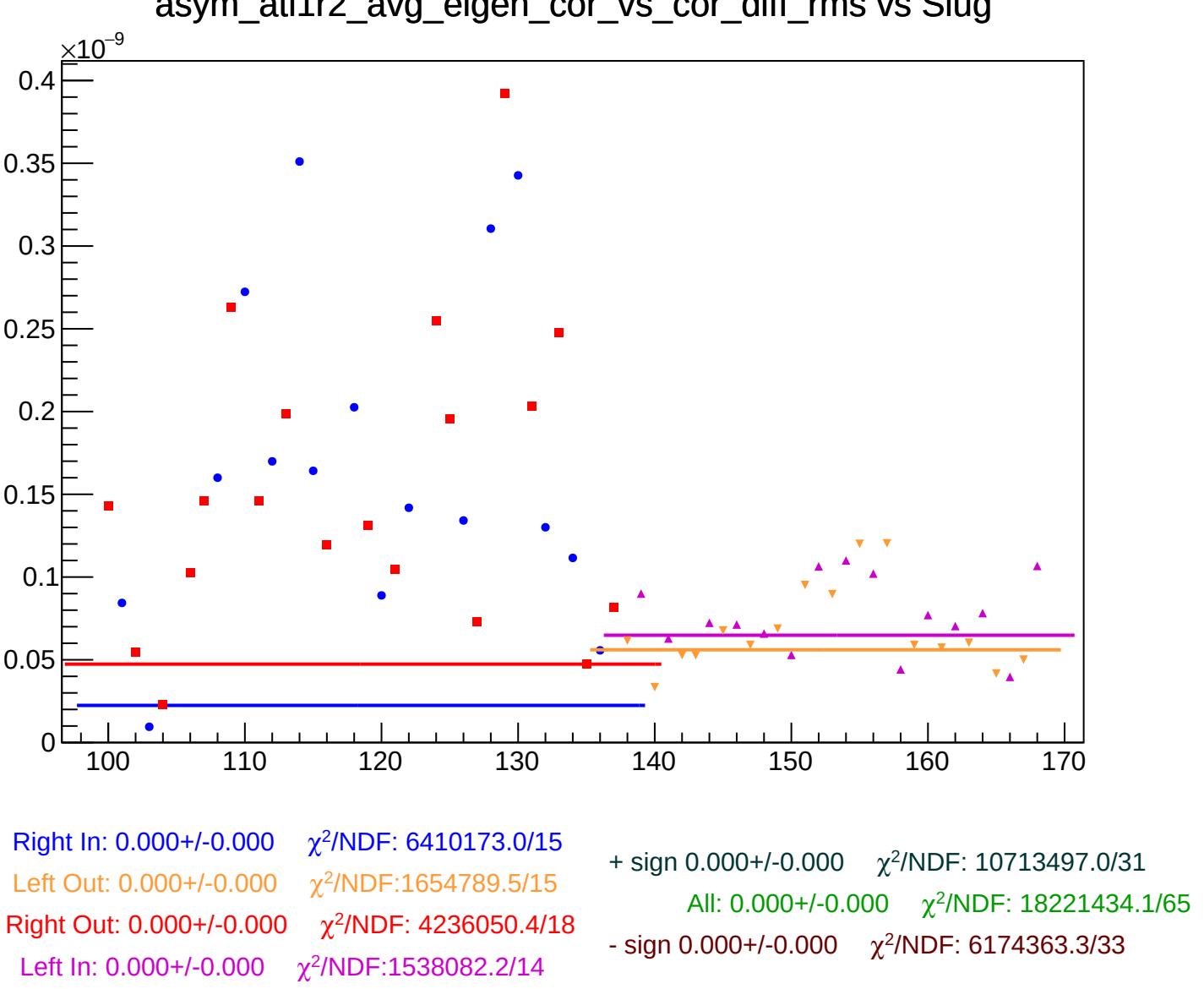
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:14.8/14

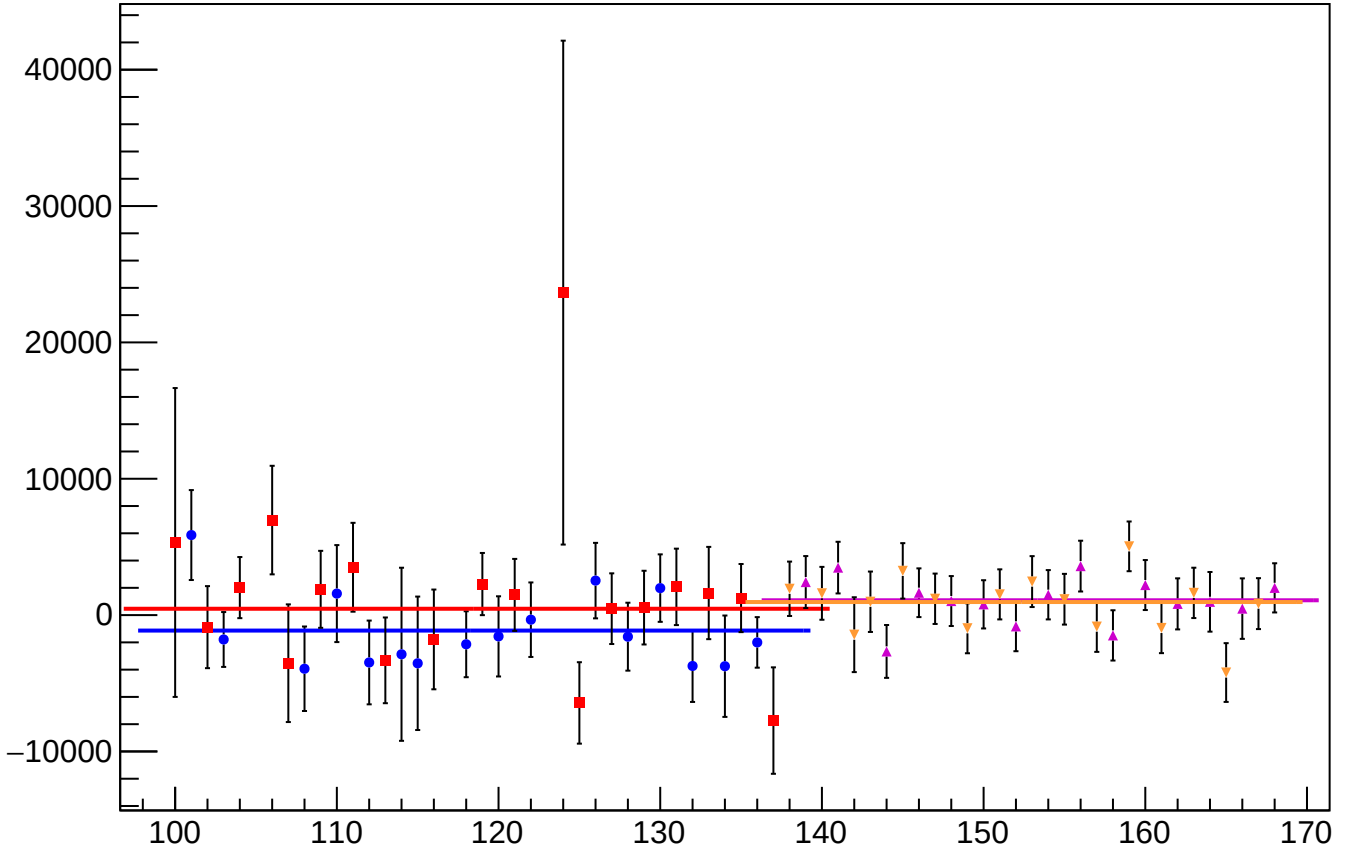
+ sign 0.000+/-0.000 χ^2/NDF: 30.6/31

All: 0.000+/-0.000 χ^2/NDF: 73.8/65

- sign 0.000+/-0.000 χ^2/NDF: 42.3/33


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:1654789.5/15
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:1538082.2/14
+ sign 0.000+/-0.000 χ²/NDF: 10713497.0/31
All: 0.000+/-0.000 χ²/NDF: 18221434.1/65
- sign 0.000+/-0.000 χ²/NDF: 6174363.3/33

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 959.119+/-485.650 χ^2/NDF:17.2/15

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

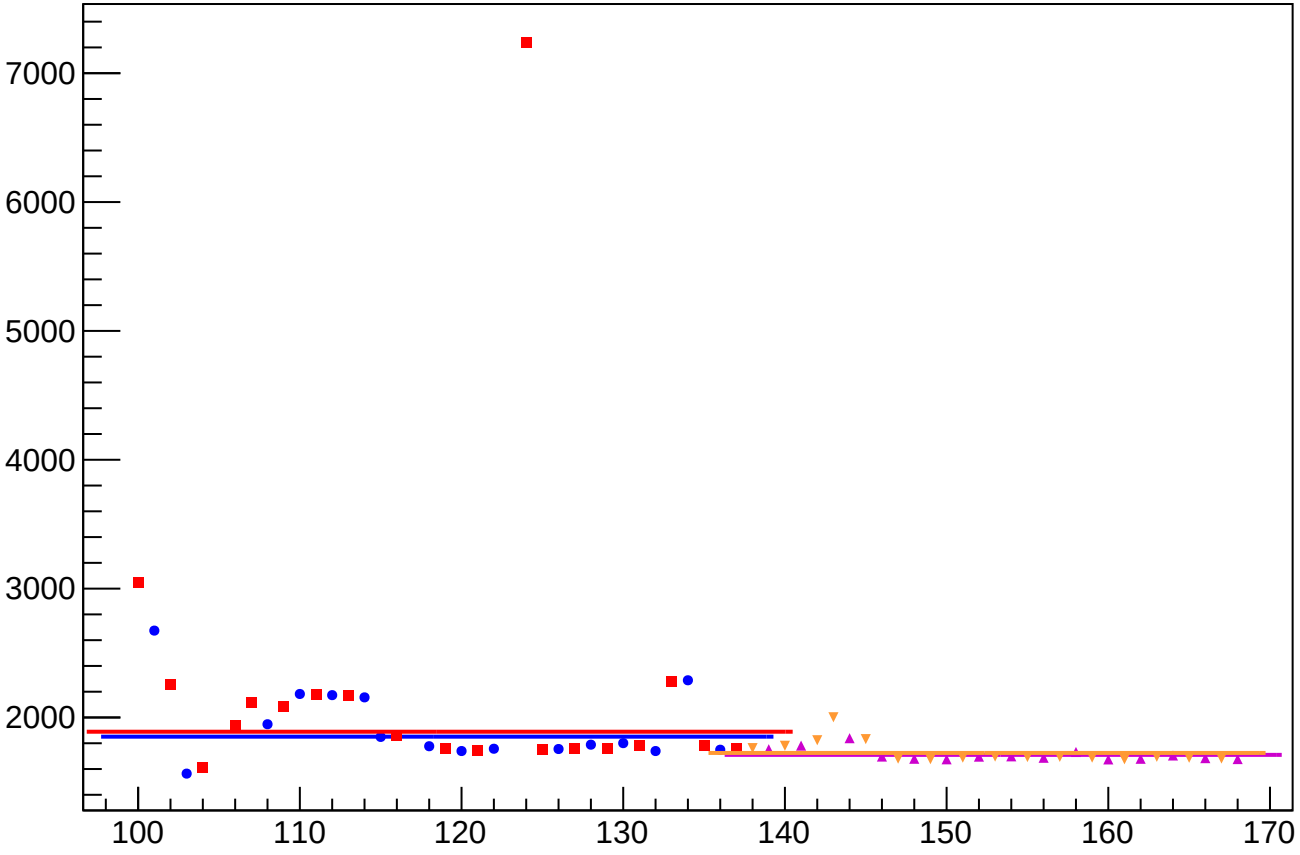
Left In: 1087.633+/-485.478 χ^2/NDF:11.6/14

+ sign 270.566+/-397.859 χ^2/NDF: 35.5/31

All: 577.554+/-282.087 χ^2/NDF: 68.8/65

- sign 887.876+/-400.014 χ^2/NDF: 32.1/33

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1724.818+/-0.343 χ^2/NDF:51096.0/15

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

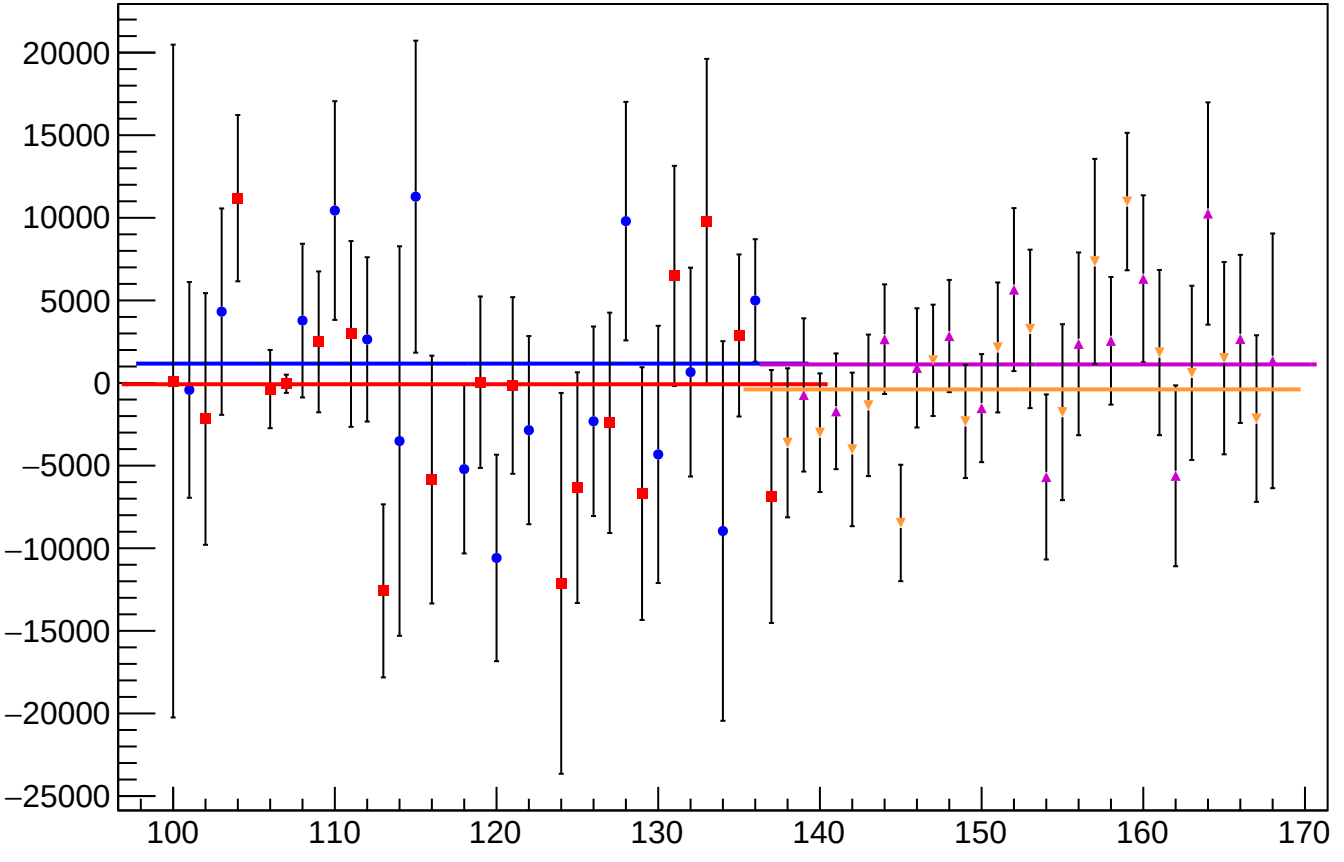
Left In: 1709.847+/-0.343 χ^2/NDF:17224.6/14

+ sign 1766.357+/-0.281 χ^2/NDF: 355570.5/31

All: 1767.037+/-0.199 χ^2/NDF: 819954.7/65

- sign 1767.723+/-0.283 χ^2/NDF: 464372.5/33

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -385.065+/-1082.727 χ^2/NDF:18.1/15

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

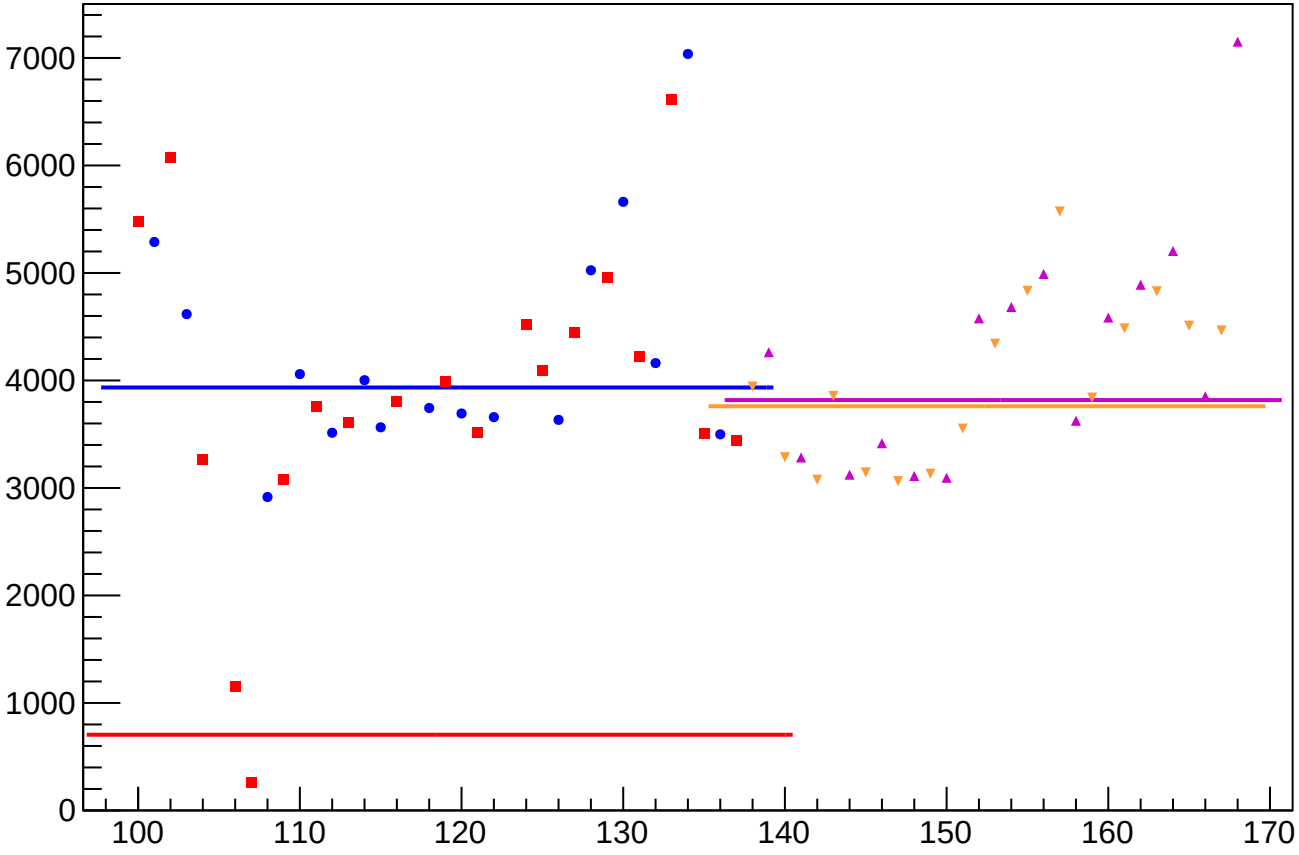
Left In: 1126.416+/-1113.380 χ^2/NDF:9.3/14

+ sign 148.482+/-878.339 χ^2/NDF: 32.6/31

All: 135.853+/-407.795 χ^2/NDF: 60.8/65

- sign 132.382+/-460.427 χ^2/NDF: 28.2/33

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3760.227+/-0.766 χ^2/NDF:779824.8/15

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

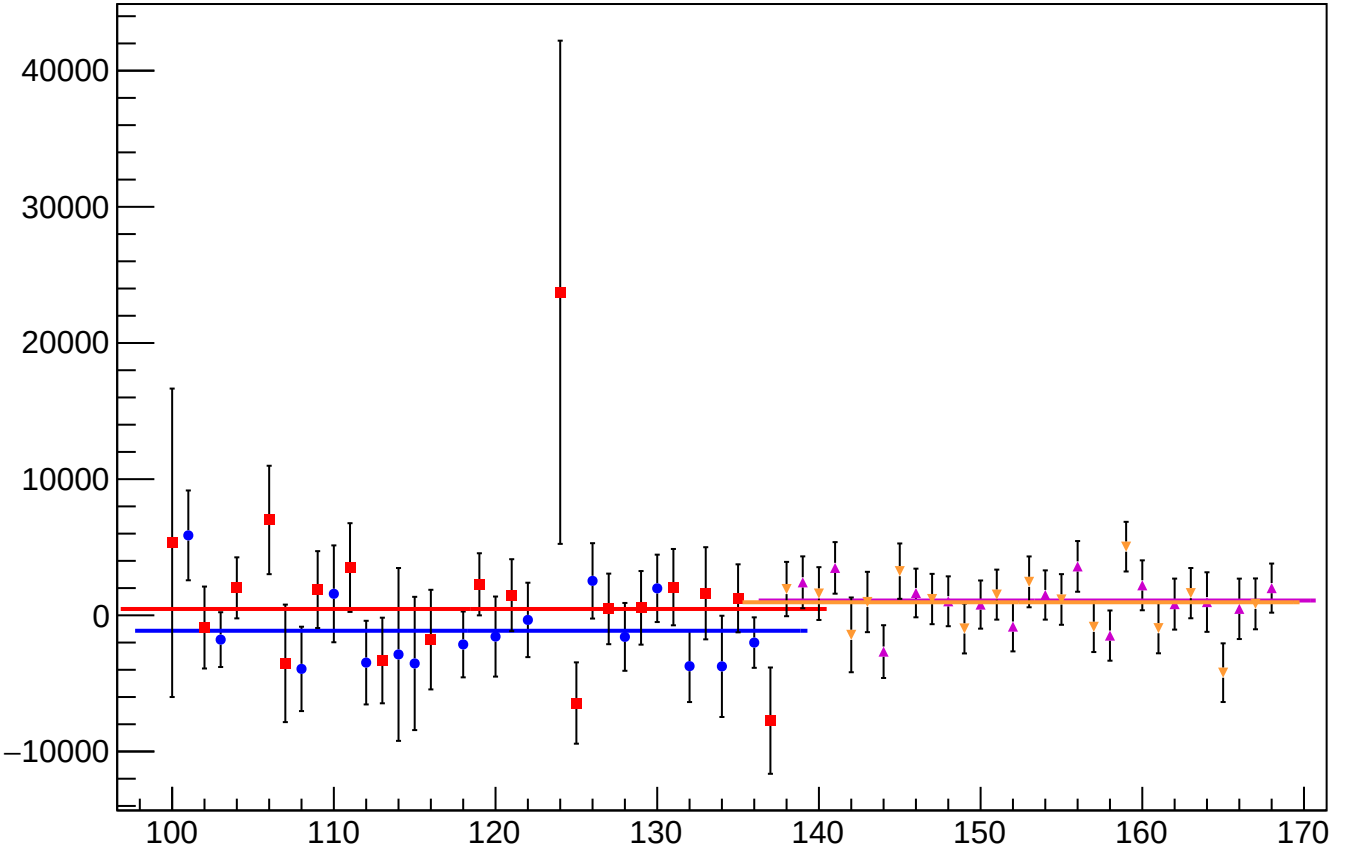
Left In: 3817.736+/-0.787 χ^2/NDF:1145953.9/14

+ sign 3819.887+/-0.621 χ^2/NDF: 1357710.5/31

All: 1793.610+/-0.288 χ^2/NDF: 39655324.4/6

- sign 1236.815+/-0.326 χ^2/NDF: 24728815.9/33

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 959.214+/-485.650 χ^2/NDF:17.2/15

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

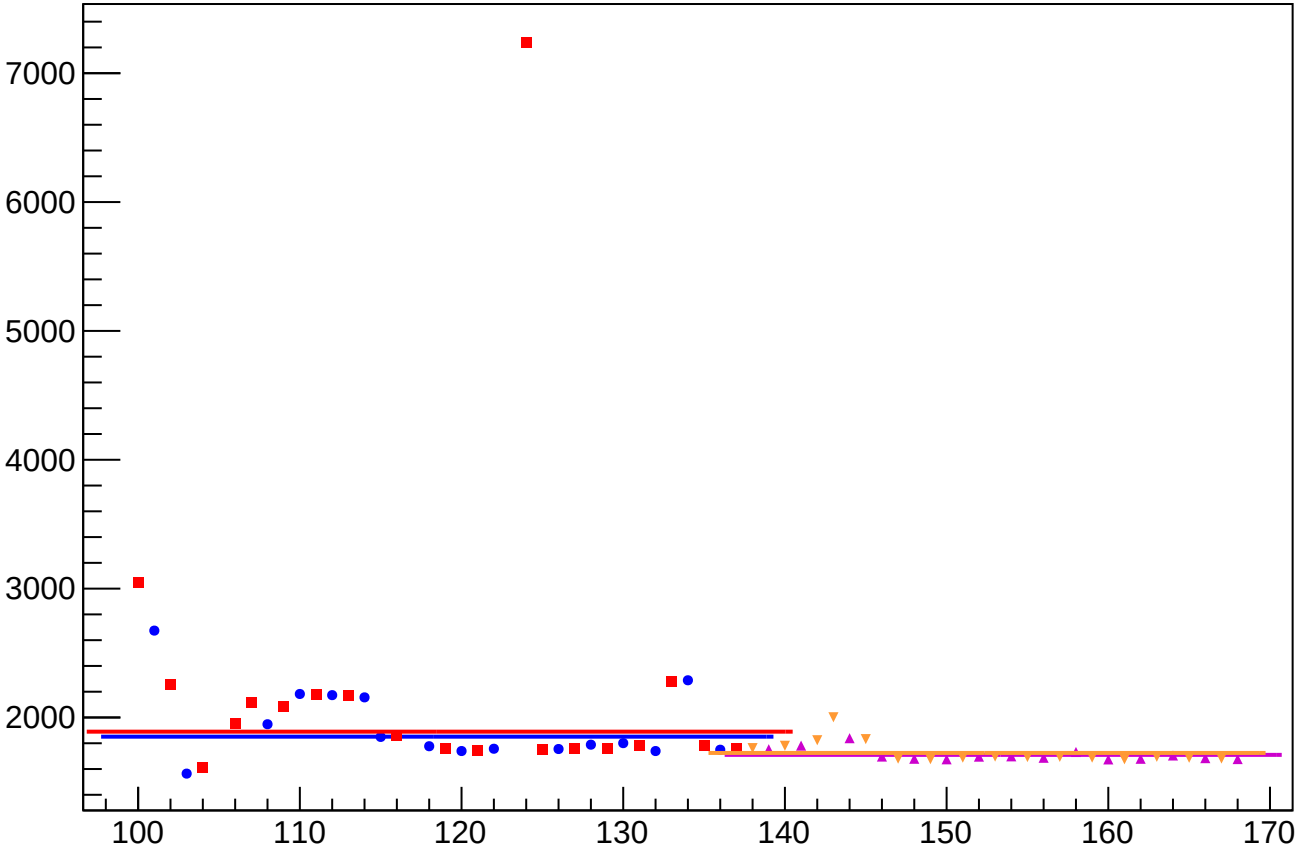
Left In: 1087.596+/-485.478 χ^2/NDF:11.6/14

+ sign 270.770+/-397.859 χ^2/NDF: 35.5/31

All: 577.705+/-282.088 χ^2/NDF: 68.9/65

- sign 887.974+/-400.014 χ^2/NDF: 32.2/33

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1724.818+/-0.343 χ^2/NDF:51096.0/15

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

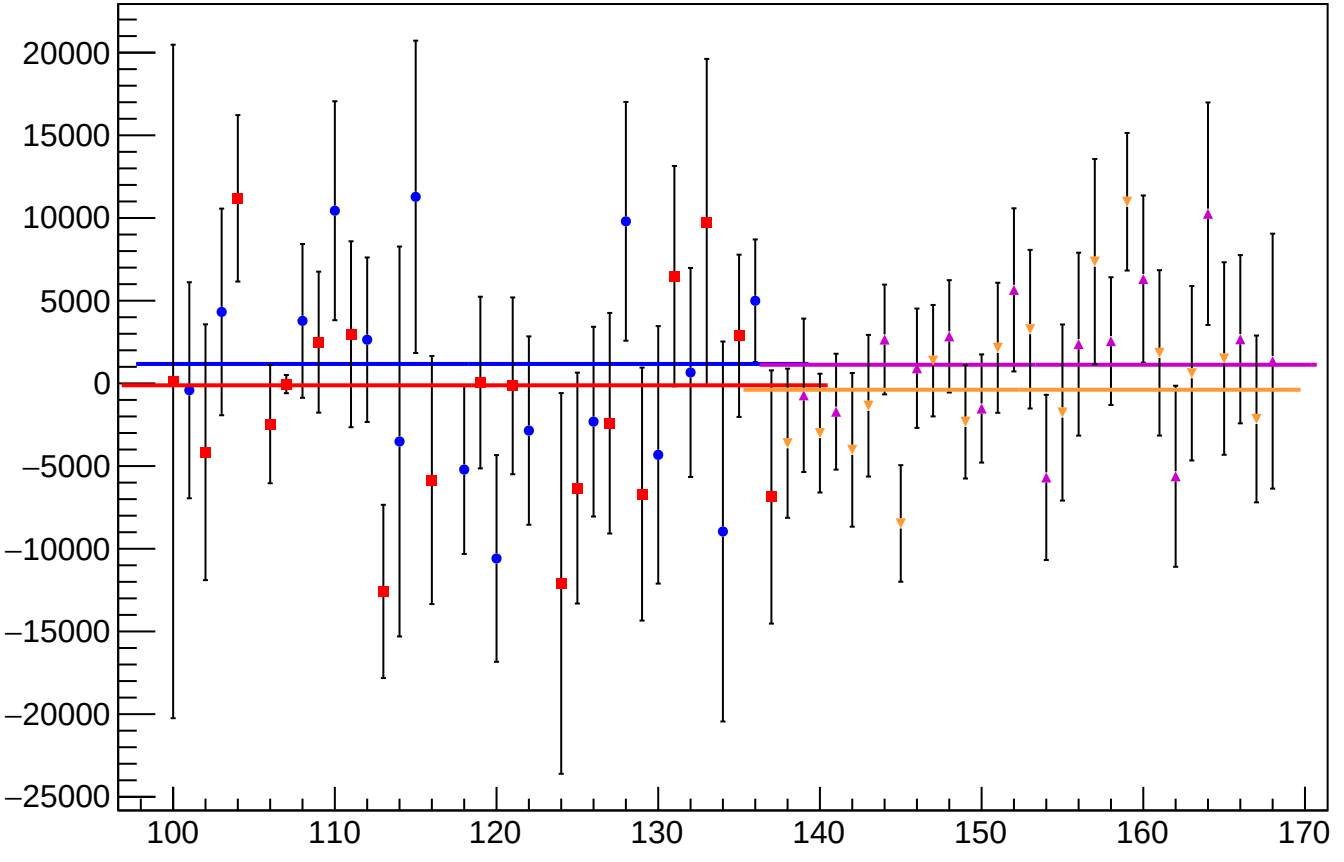
Left In: 1709.847+/-0.343 χ^2/NDF:17224.6/14

+ sign 1766.357+/-0.281 χ^2/NDF: 355569.9/31

All: 1767.101+/-0.199 χ^2/NDF: 820599.6/65

- sign 1767.853+/-0.283 χ^2/NDF: 465015.7/33

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -385.058+/-1082.724 χ^2/NDF:18.1/15

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

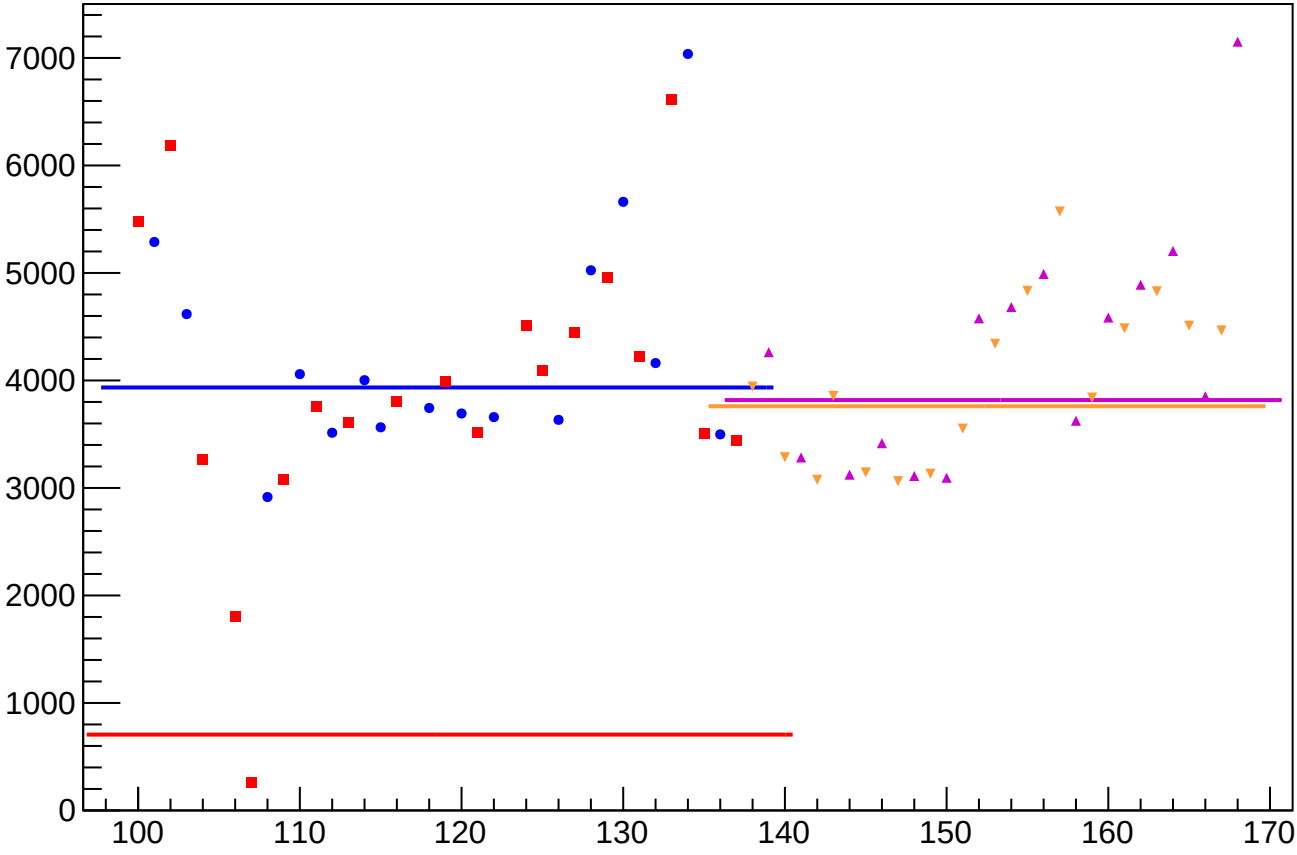
Left In: 1126.414+/-1113.379 χ^2/NDF:9.3/14

+ sign 148.474+/-878.338 χ^2/NDF: 32.6/31

All: 111.519+/-411.230 χ^2/NDF: 61.5/65

- sign 101.144+/-465.388 χ^2/NDF: 28.9/33

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3760.217+/-0.766 χ^2/NDF:779834.5/15

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

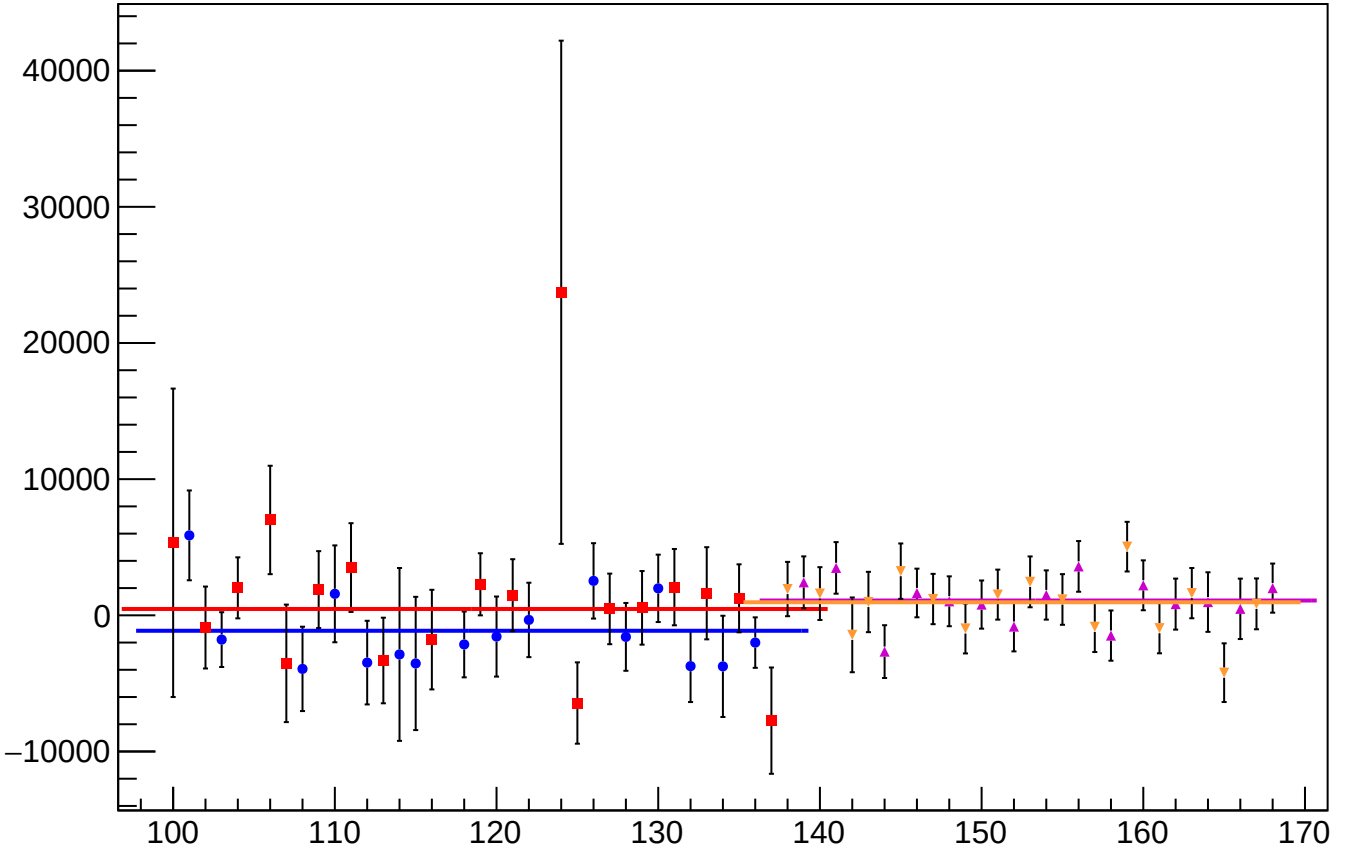
Left In: 3817.737+/-0.787 χ^2/NDF:1145939.4/14

\+ sign 3819.883+/-0.621 χ^2/NDF: 1357748.3/31

All: 1812.835+/-0.291 χ^2/NDF: 39521622.2/6

\- sign 1249.372+/-0.329 χ^2/NDF: 24789184.2/33

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 959.214+/-485.650 χ^2/NDF:17.2/15

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

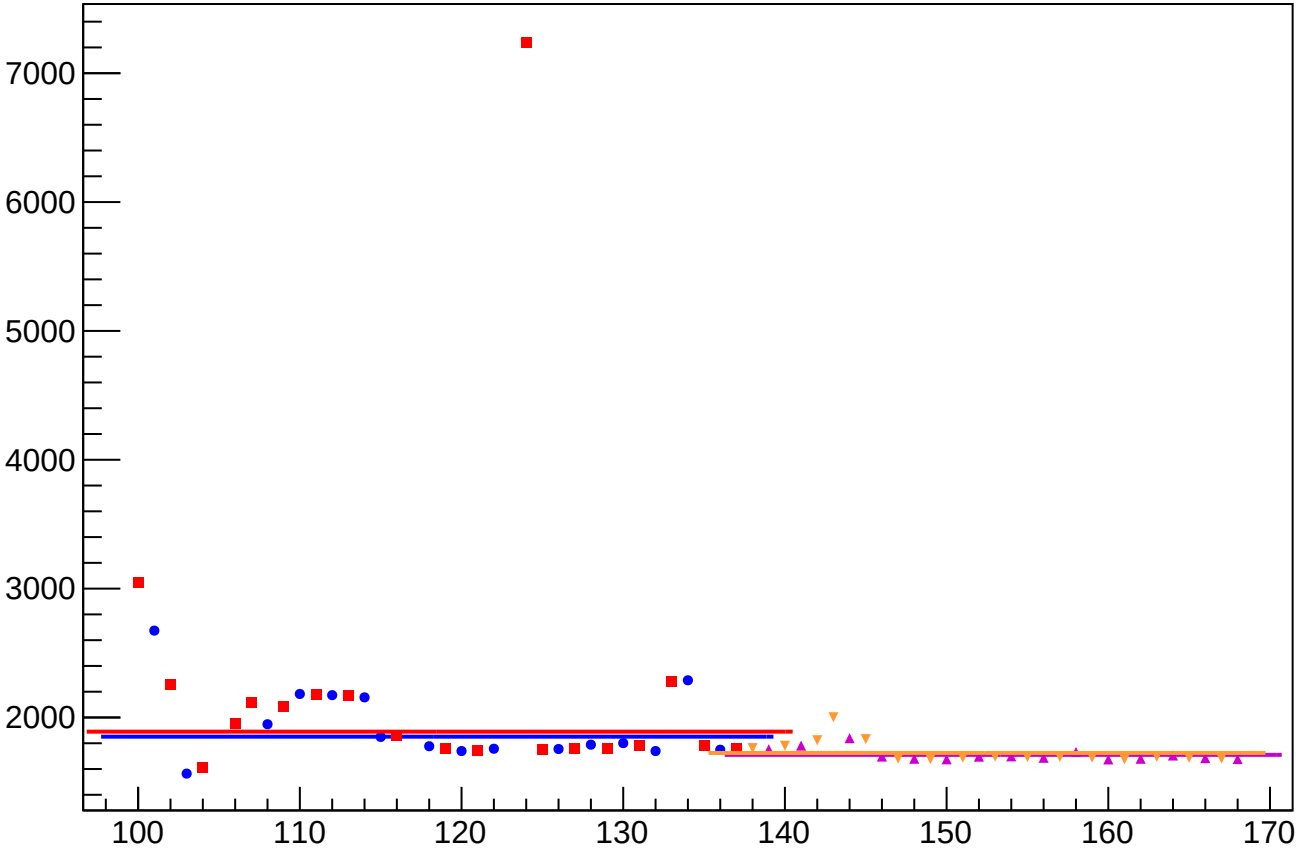
Left In: 1087.596+/-485.478 χ^2/NDF:11.6/14

+ sign 270.770+/-397.859 χ^2/NDF: 35.5/31

All: 577.705+/-282.088 χ^2/NDF: 68.9/65

- sign 887.974+/-400.014 χ^2/NDF: 32.2/33

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1724.818+/-0.343 χ^2/NDF:51096.0/15

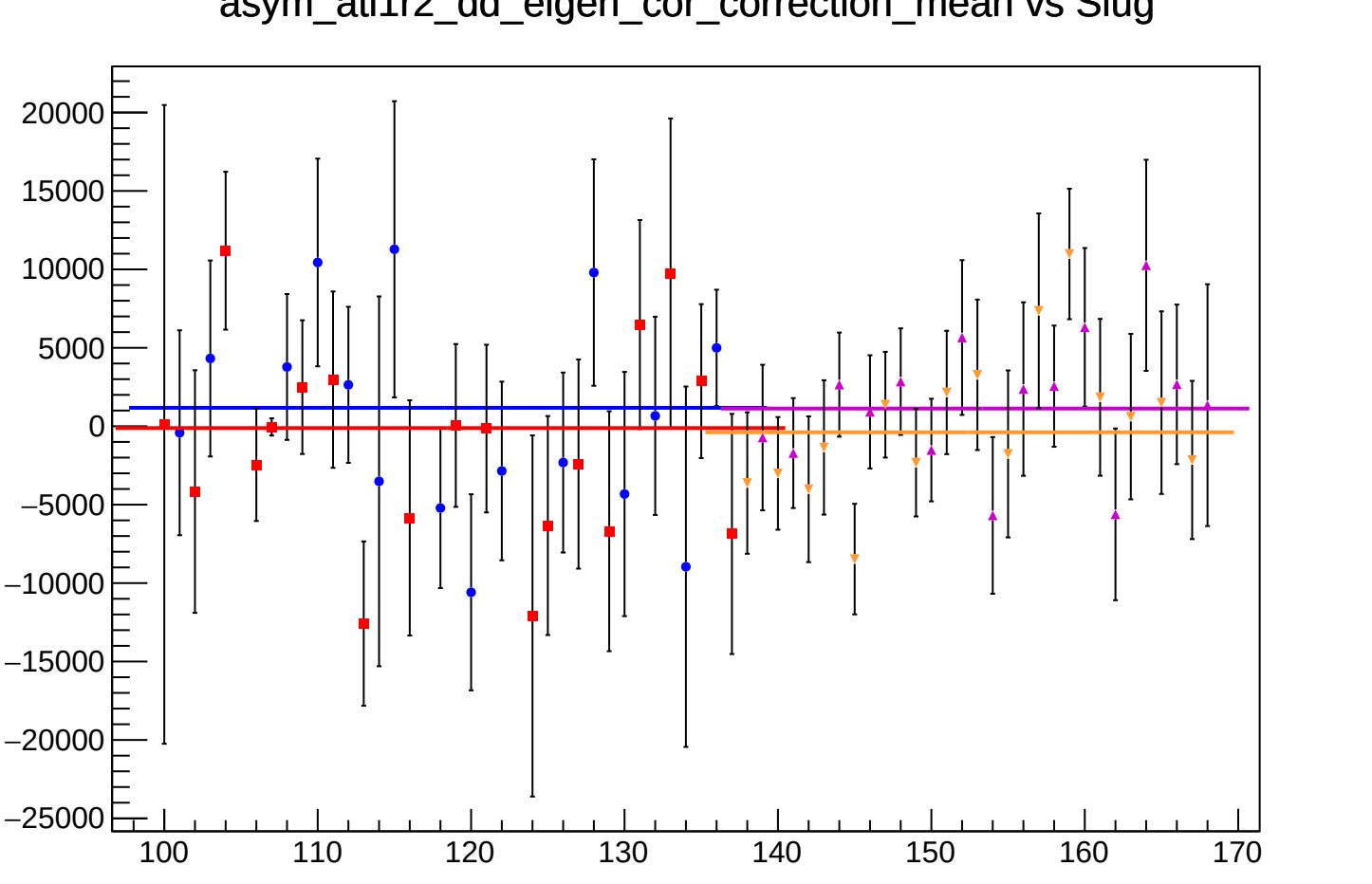
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1709.847+/-0.343 χ^2/NDF:17224.6/14

+ sign 1766.357+/-0.281 χ^2/NDF: 355569.9/31

All: 1767.101+/-0.199 χ^2/NDF: 820599.6/65

- sign 1767.853+/-0.283 χ^2/NDF: 465015.7/33



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -385.058+/-1082.724 χ^2/NDF:18.1/15

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

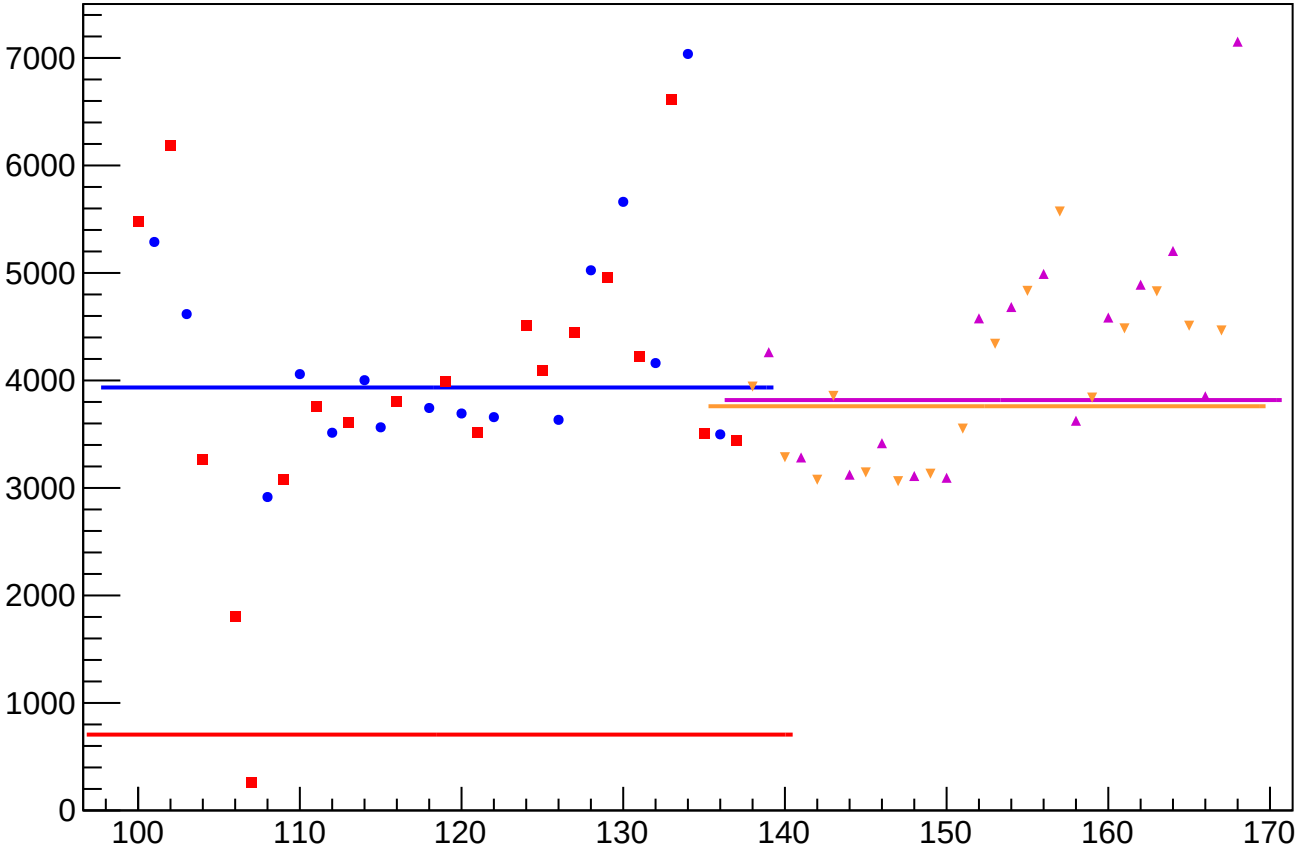
Left In: 1126.414+/-1113.379 χ^2/NDF:9.3/14

+ sign 148.474+/-878.338 χ^2/NDF: 32.6/31

All: 111.519+/-411.230 χ^2/NDF: 61.5/65

- sign 101.144+/-465.388 χ^2/NDF: 28.9/33

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3760.217+/-0.766 χ^2/NDF:779834.5/15

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

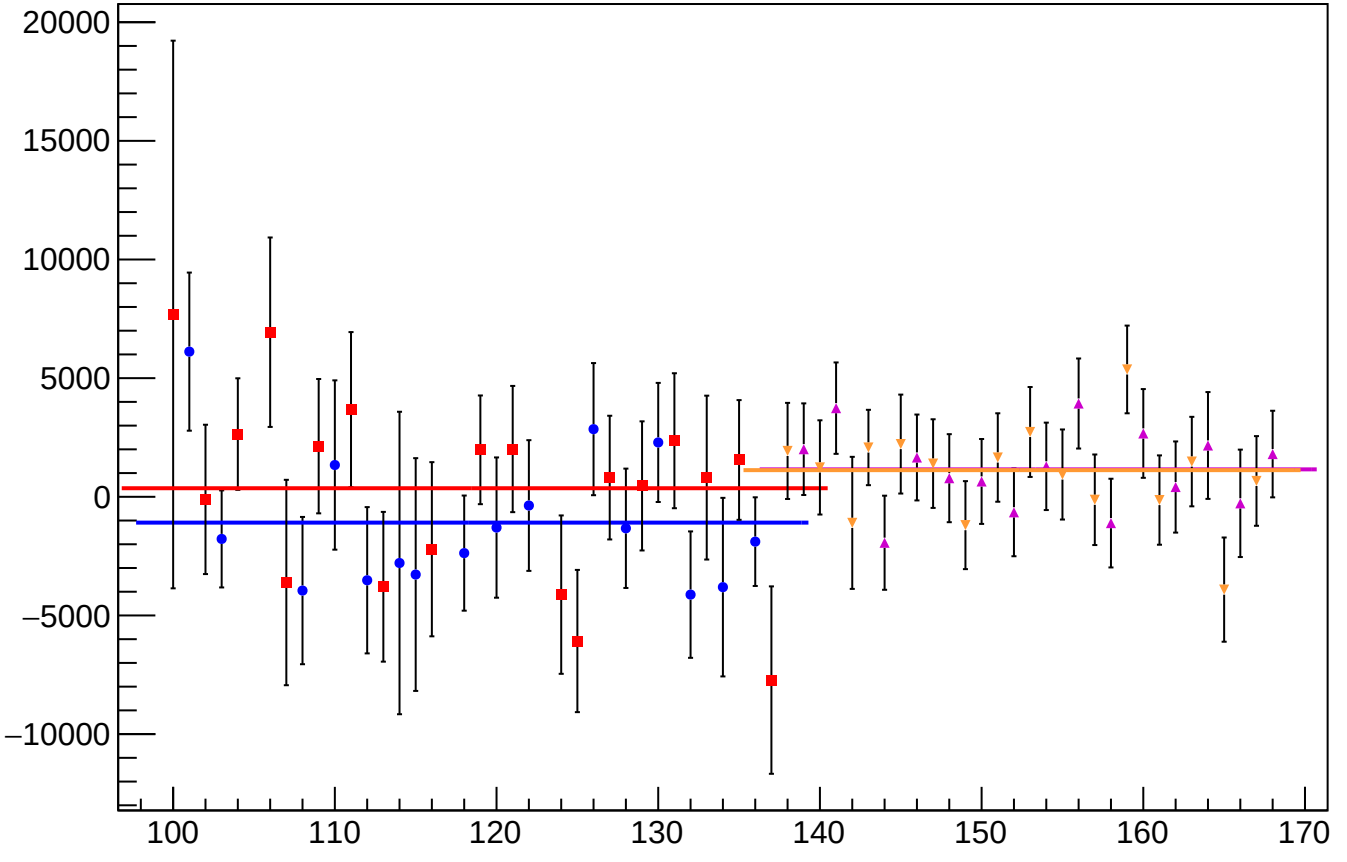
Left In: 3817.737+/-0.787 χ^2/NDF:1145939.4/14

+ sign 3819.883+/-0.621 χ^2/NDF: 1357748.3/31

All: 1812.835+/-0.291 χ^2/NDF: 39521622.2/6

- sign 1249.372+/-0.329 χ^2/NDF: 24789184.2/33

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1123.675+/-482.617 χ^2/NDF:15.3/15

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

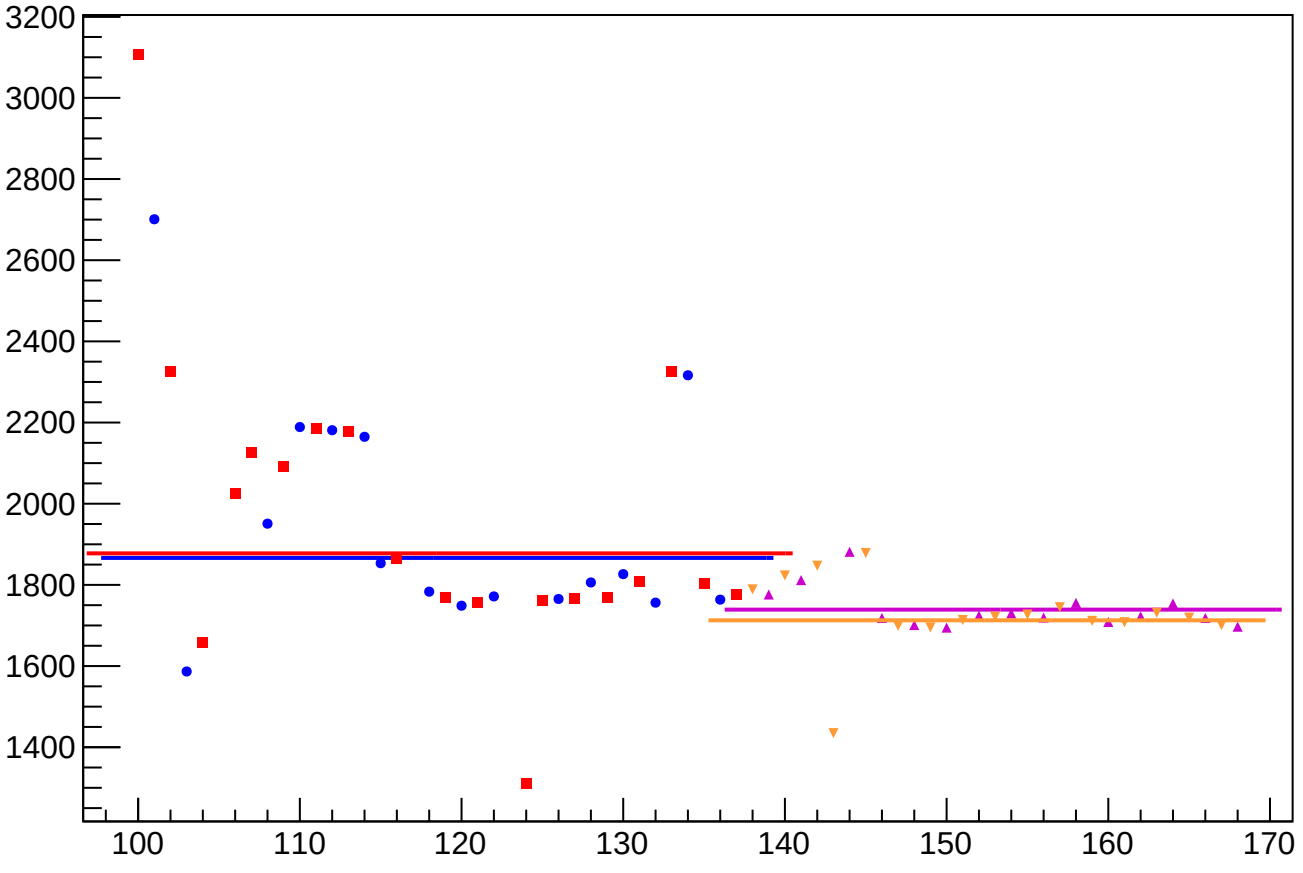
Left In: 1156.341+/-493.803 χ^2/NDF:10.7/14

\+ sign 410.596+/-397.257 χ^2/NDF: 35.3/31

All: 647.563+/-283.065 χ^2/NDF: 68.4/65

\- sign 891.967+/-403.443 χ^2/NDF: 32.4/33

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1712.692+/-0.341 χ^2/NDF:89016.8/15

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

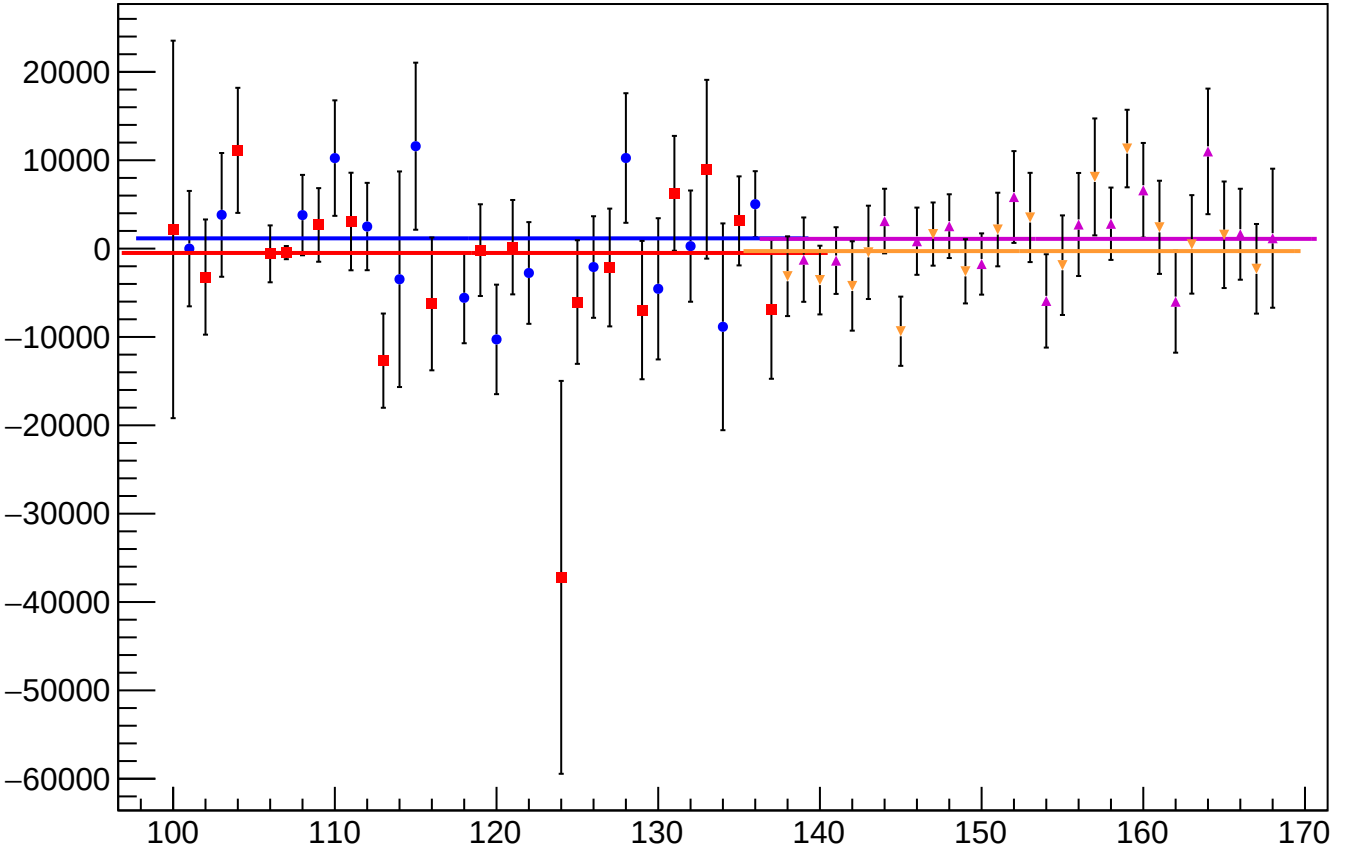
Left In: 1739.072+/-0.349 χ^2/NDF:18792.3/14

+ sign 1762.274+/-0.281 χ^2/NDF: 410743.4/31

All: 1773.564+/-0.200 χ^2/NDF: 737103.0/65

- sign 1785.202+/-0.285 χ^2/NDF: 323079.0/33

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -283.196+/-1157.103 χ^2/NDF:17.9/15

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

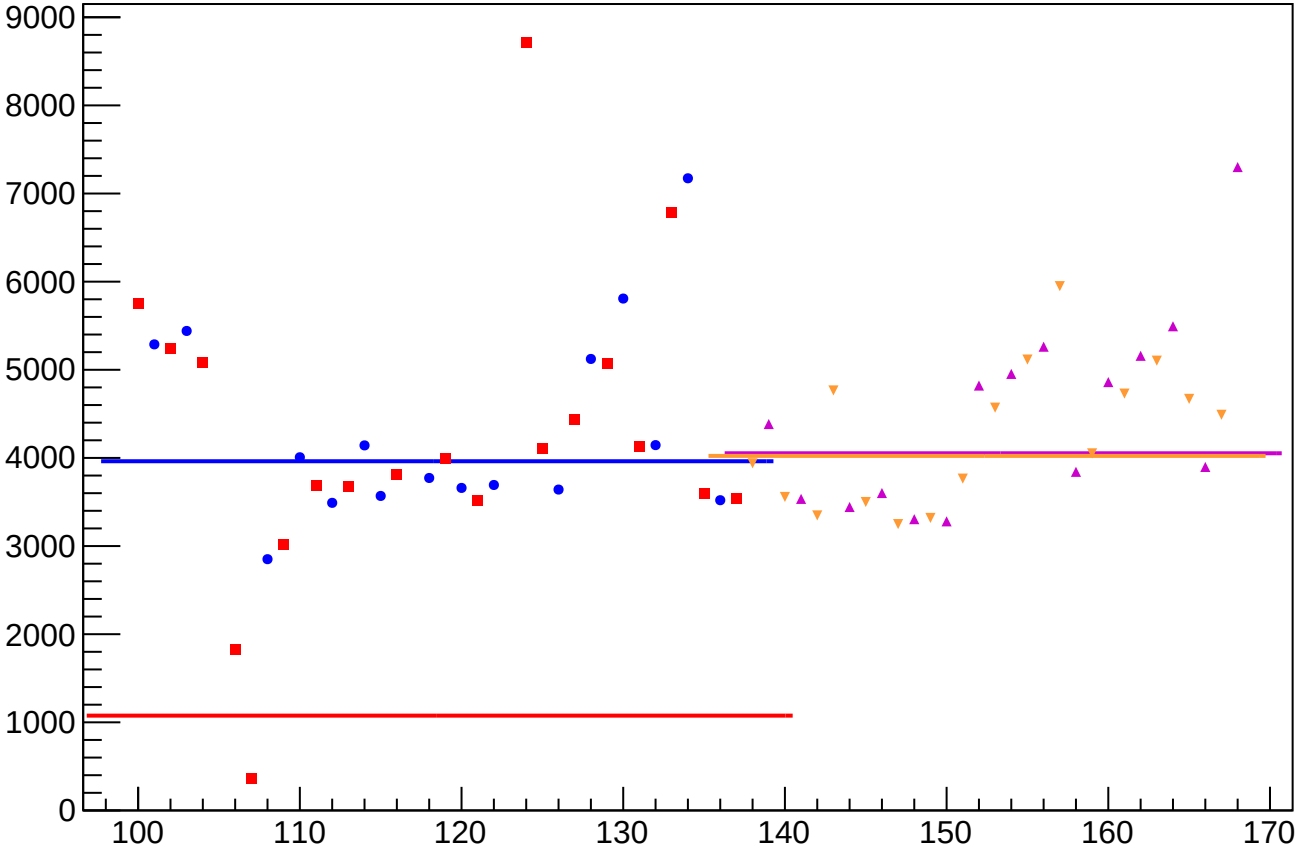
Left In: 1102.169+/-1179.738 χ^2/NDF:9.2/14

+ sign 250.156+/-918.950 χ^2/NDF: 32.1/31

All: -11.534+/-487.442 χ^2/NDF: 59.7/65

- sign -113.990+/-574.999 χ^2/NDF: 27.5/33

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4022.937+/-0.818 χ^2/NDF:735891.4/15

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

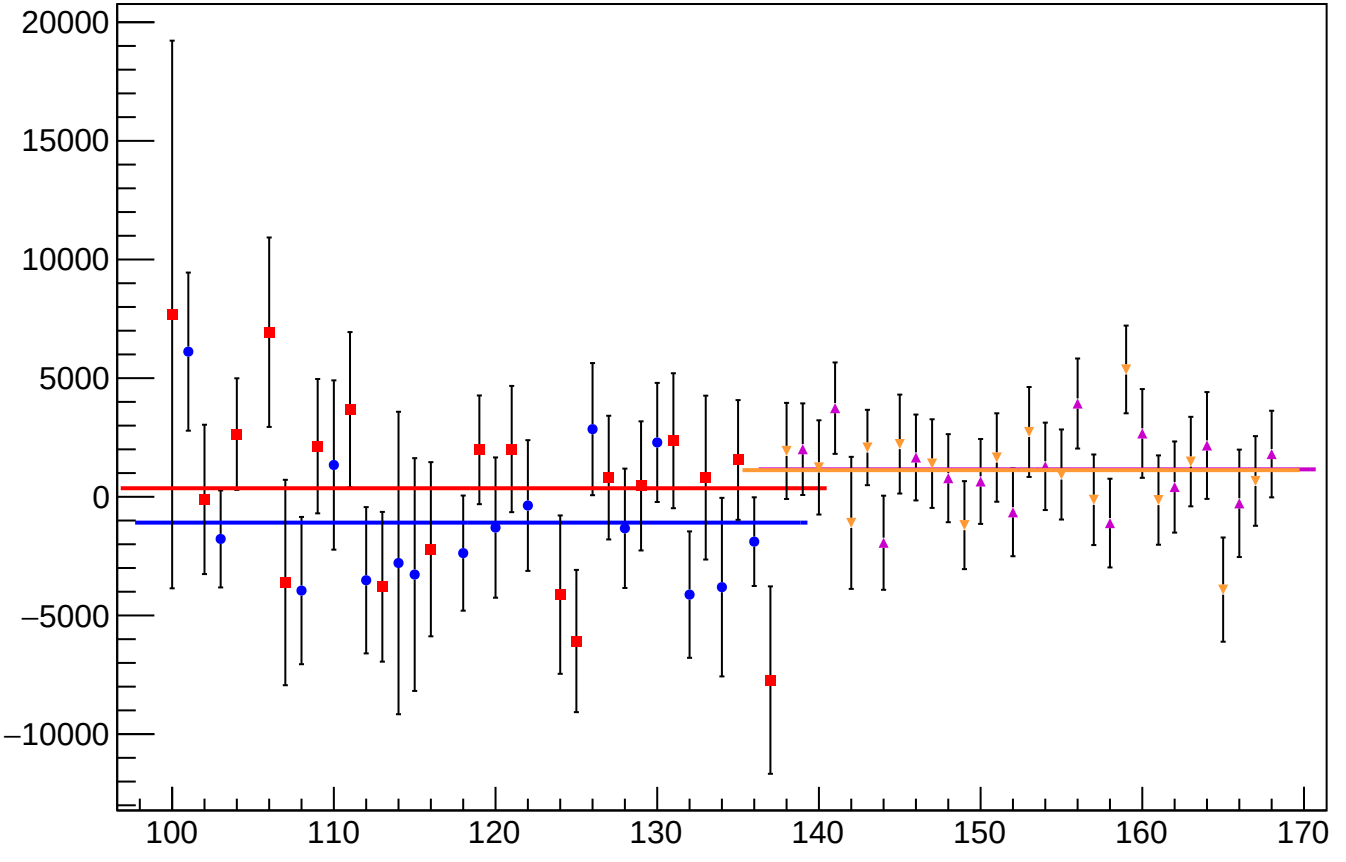
Left In: 4052.711+/-0.834 χ^2/NDF:1052726.5/14

+ sign 4000.570+/-0.650 χ^2/NDF: 1406254.7/31

All: 2407.005+/-0.345 χ^2/NDF: 30094893.6/6

- sign 1783.098+/-0.407 χ^2/NDF: 20319627.8/33

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1123.680+/-482.617 χ^2/NDF:15.3/15

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

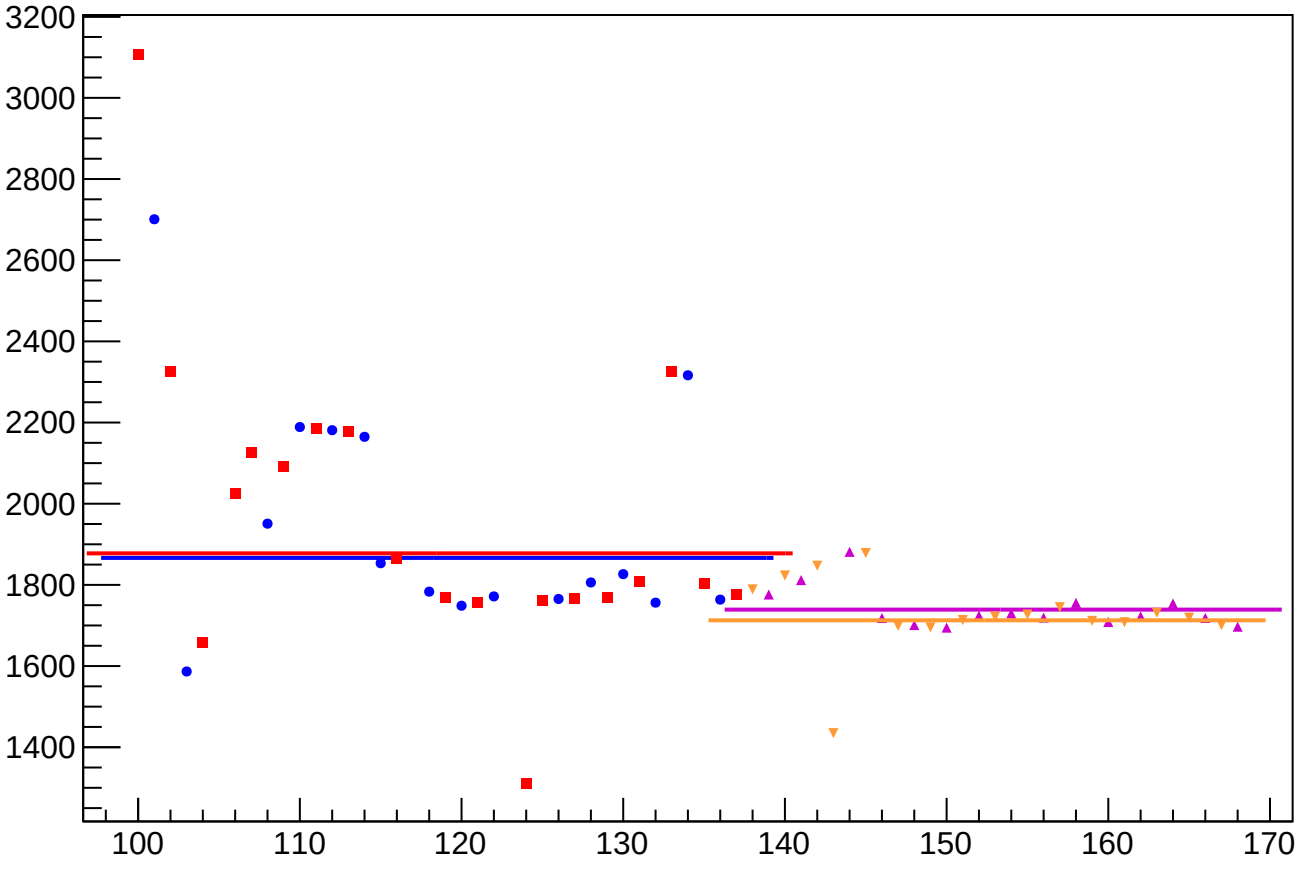
Left In: 1156.343+/-493.804 χ^2/NDF:10.7/14

\+ sign 410.597+/-397.257 χ^2/NDF: 35.3/31

All: 647.565+/-283.065 χ^2/NDF: 68.4/65

\- sign 891.970+/-403.443 χ^2/NDF: 32.4/33

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1712.693+/-0.341 χ^2/NDF:89016.0/15

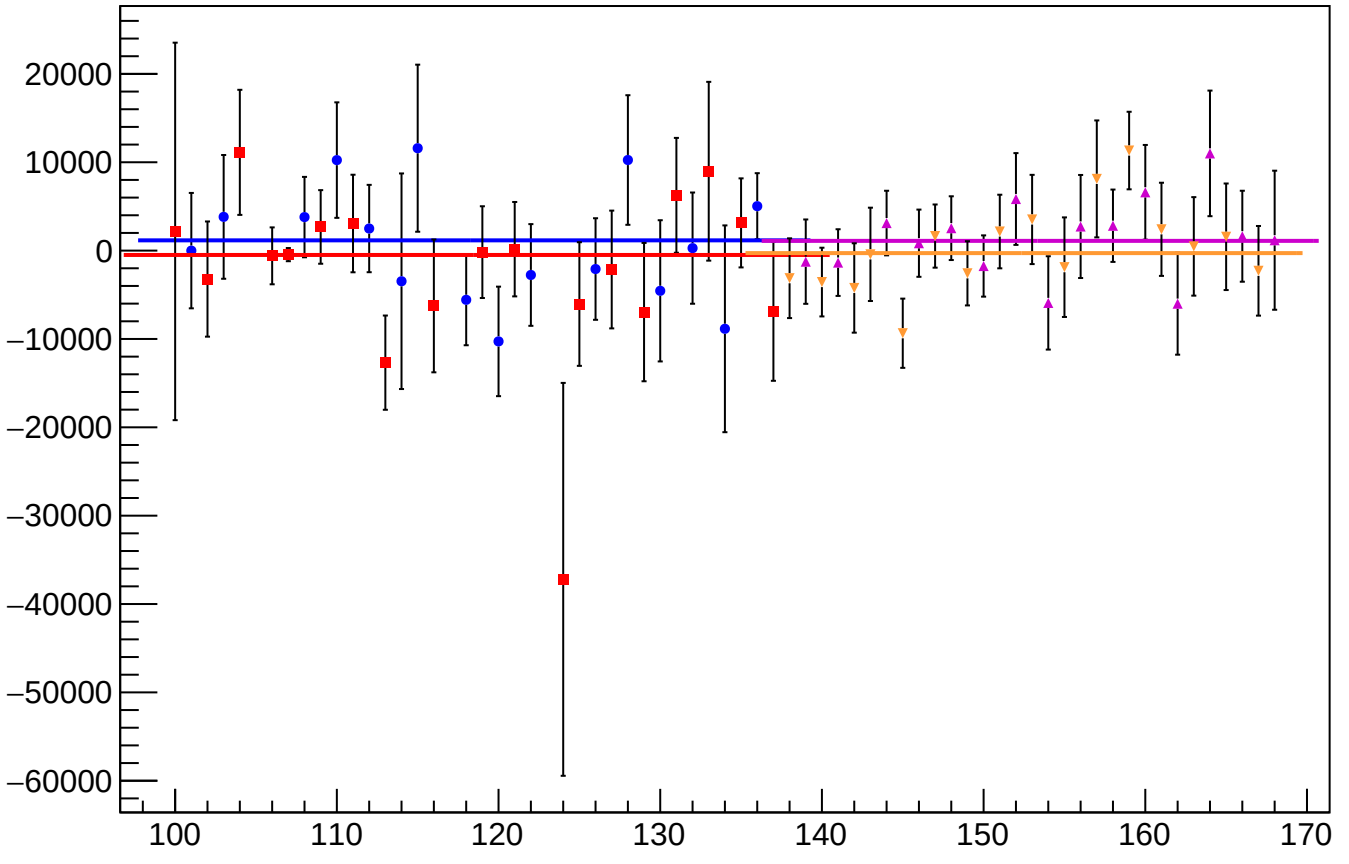
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1739.072+/-0.349 χ^2/NDF:18792.2/14

+ sign 1762.274+/-0.281 χ^2/NDF: 410741.5/31

All: 1773.564+/-0.200 χ^2/NDF: 737100.5/65

- sign 1785.202+/-0.285 χ^2/NDF: 323078.5/33



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -283.195+/-1157.105 χ^2/NDF:17.9/15

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

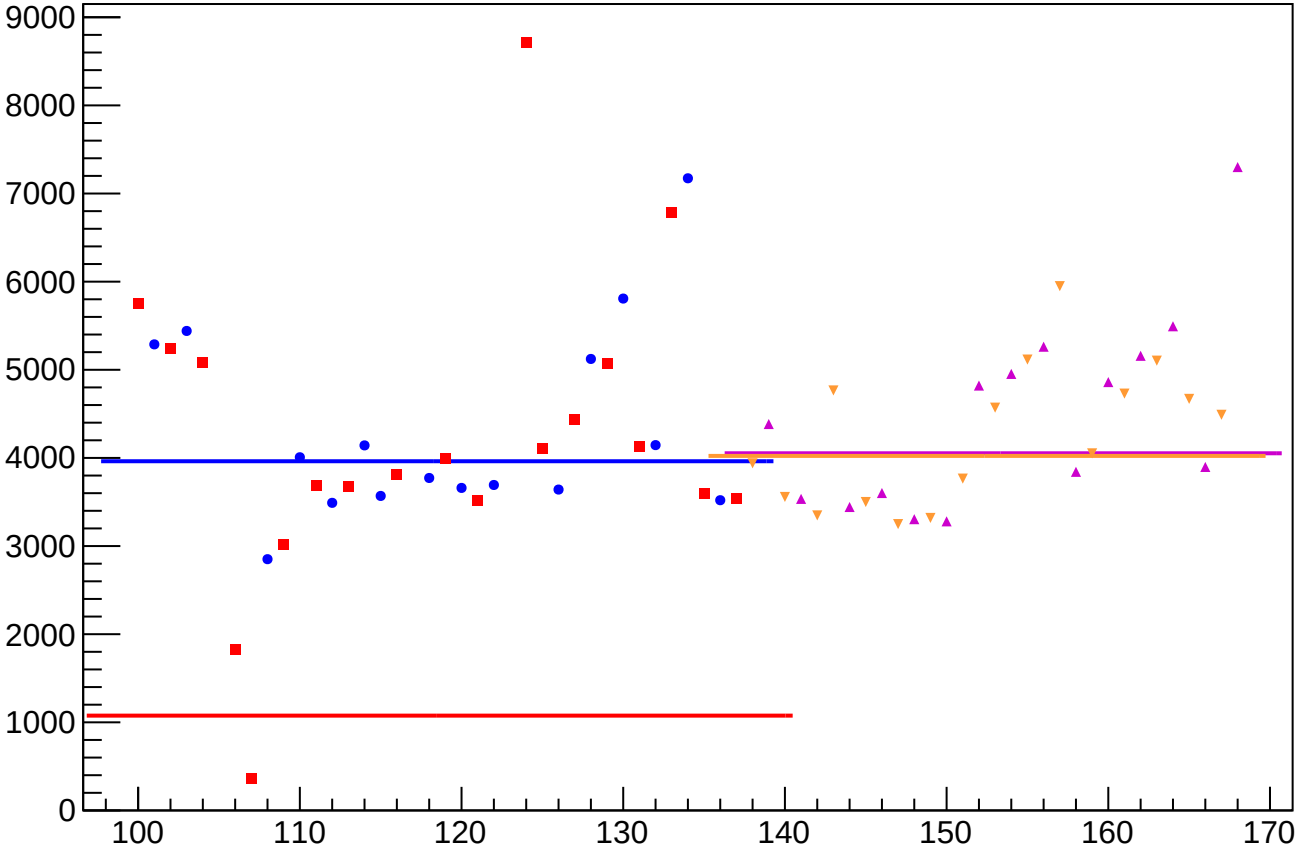
Left In: 1102.167+/-1179.740 χ^2/NDF:9.2/14

+ sign 250.152+/-918.950 χ^2/NDF: 32.1/31

All: -11.531+/-487.446 χ^2/NDF: 59.7/65

- sign -113.987+/-575.006 χ^2/NDF: 27.5/33

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4022.942+/-0.818 χ^2/NDF:735892.4/15

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

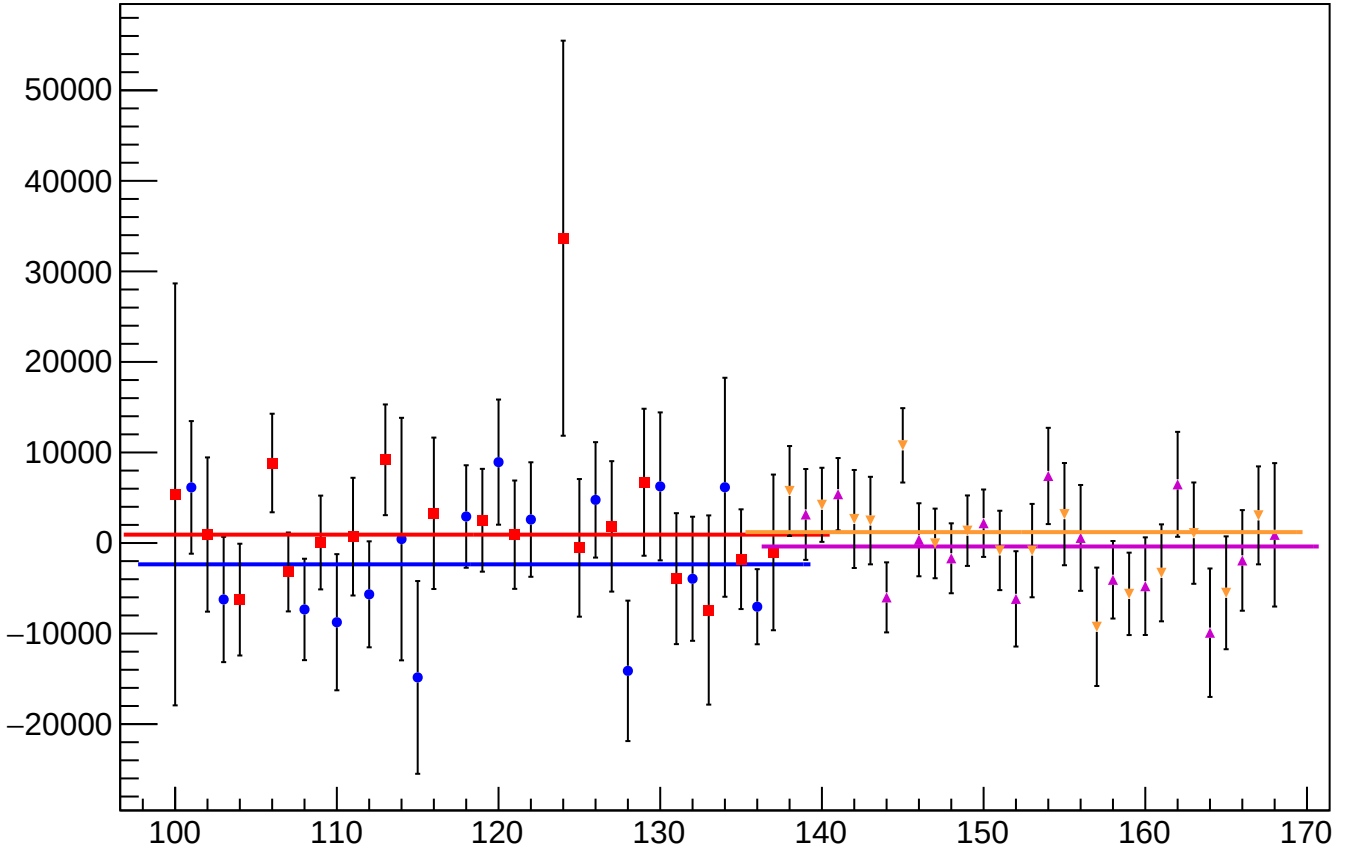
Left In: 4052.717+/-0.834 χ^2/NDF:1052728.1/14

+ sign 4000.571+/-0.650 χ^2/NDF: 1406252.8/31

All: 2407.046+/-0.345 χ^2/NDF: 30094140.0/6

- sign 1783.139+/-0.407 χ^2/NDF: 20319240.4/33

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1202.522+/-1204.169 χ^2/NDF:14.4/15

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

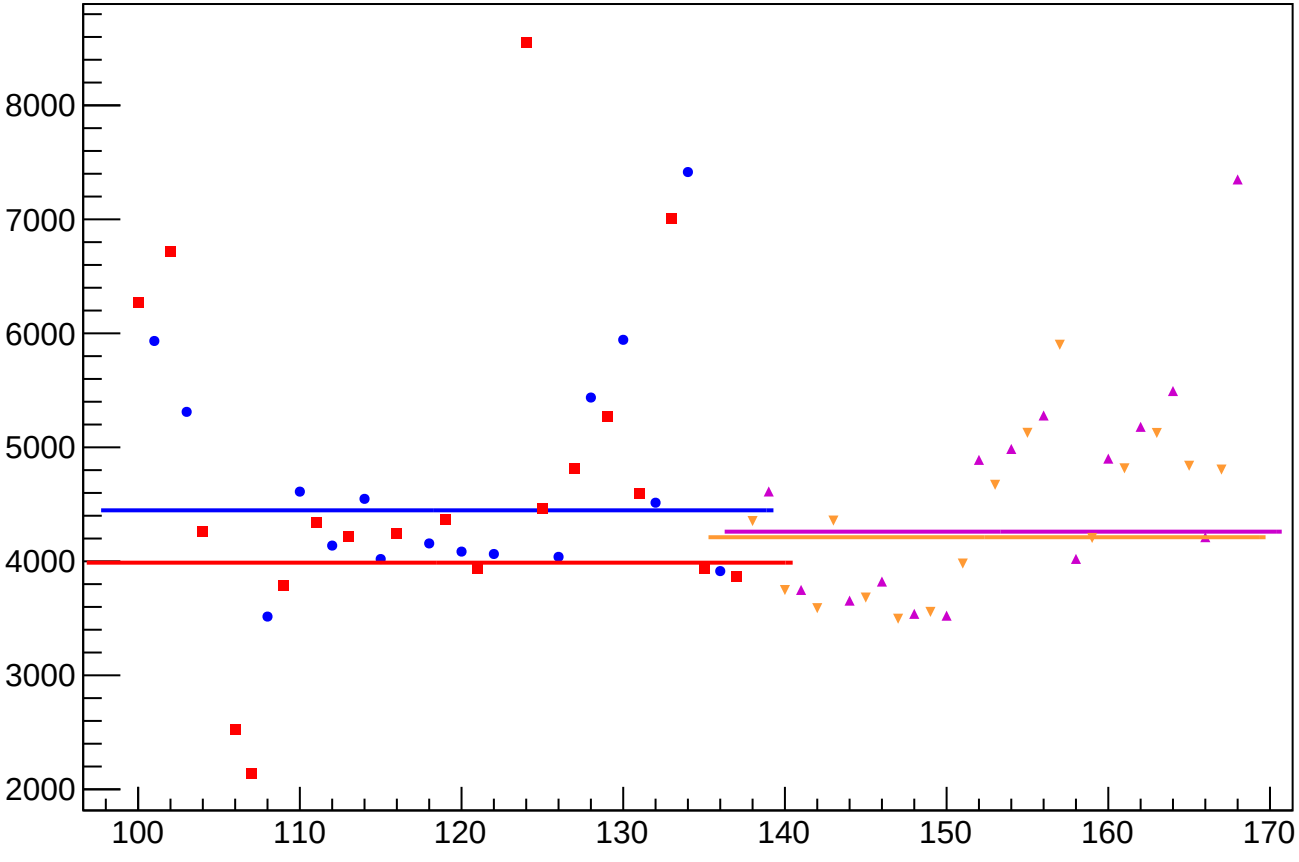
Left In: -382.972+/-1233.185 χ^2/NDF:13.4/14

\+ sign -0.287+/-979.666 χ^2/NDF: 32.9/31

All: 63.469+/-687.220 χ^2/NDF: 57.3/65

\- sign 125.237+/-964.270 χ^2/NDF: 24.5/33

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4211.413+/-0.851 χ^2/NDF:545265.6/15

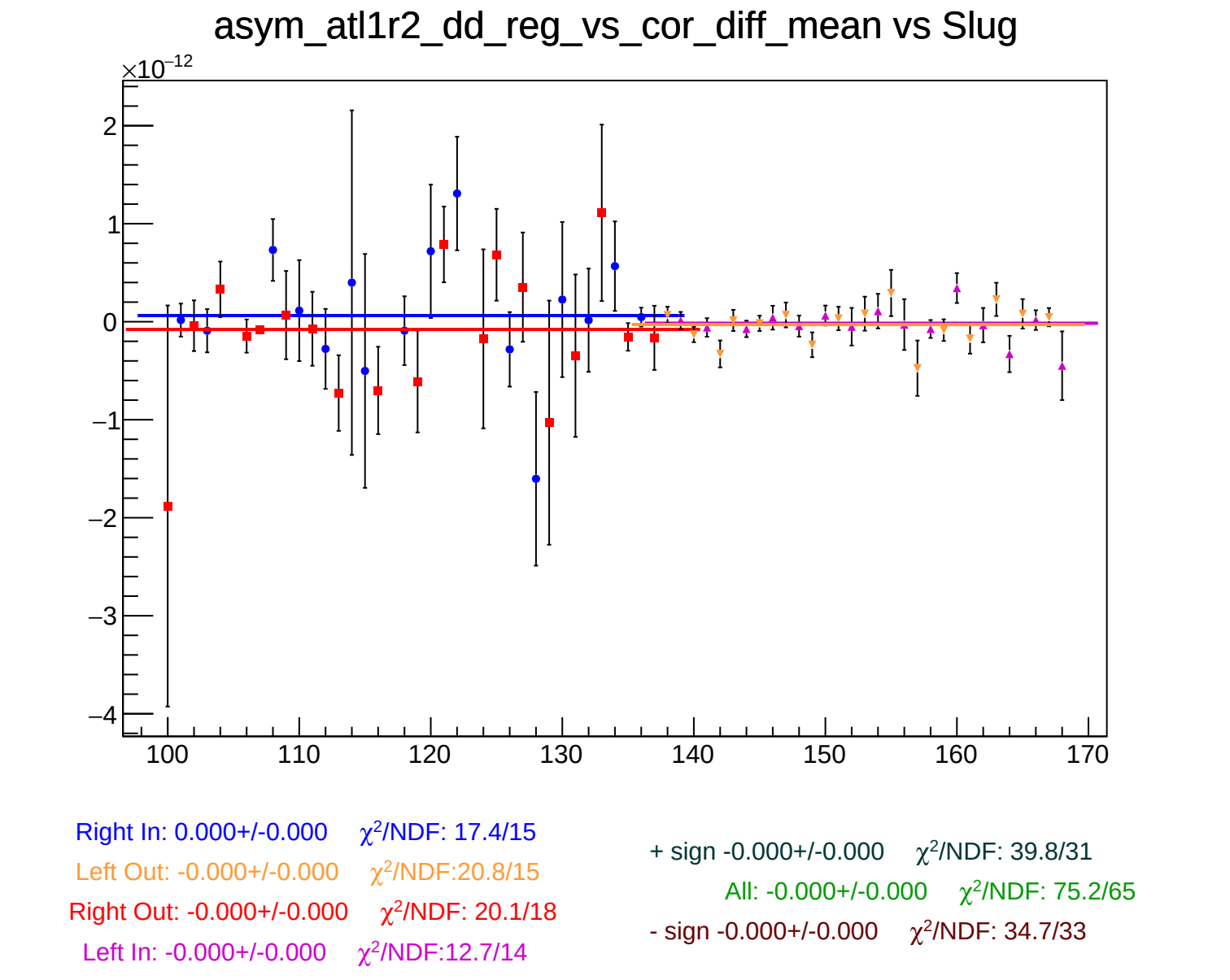
Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4260.252+/-0.872 χ^2/NDF:839731.8/14

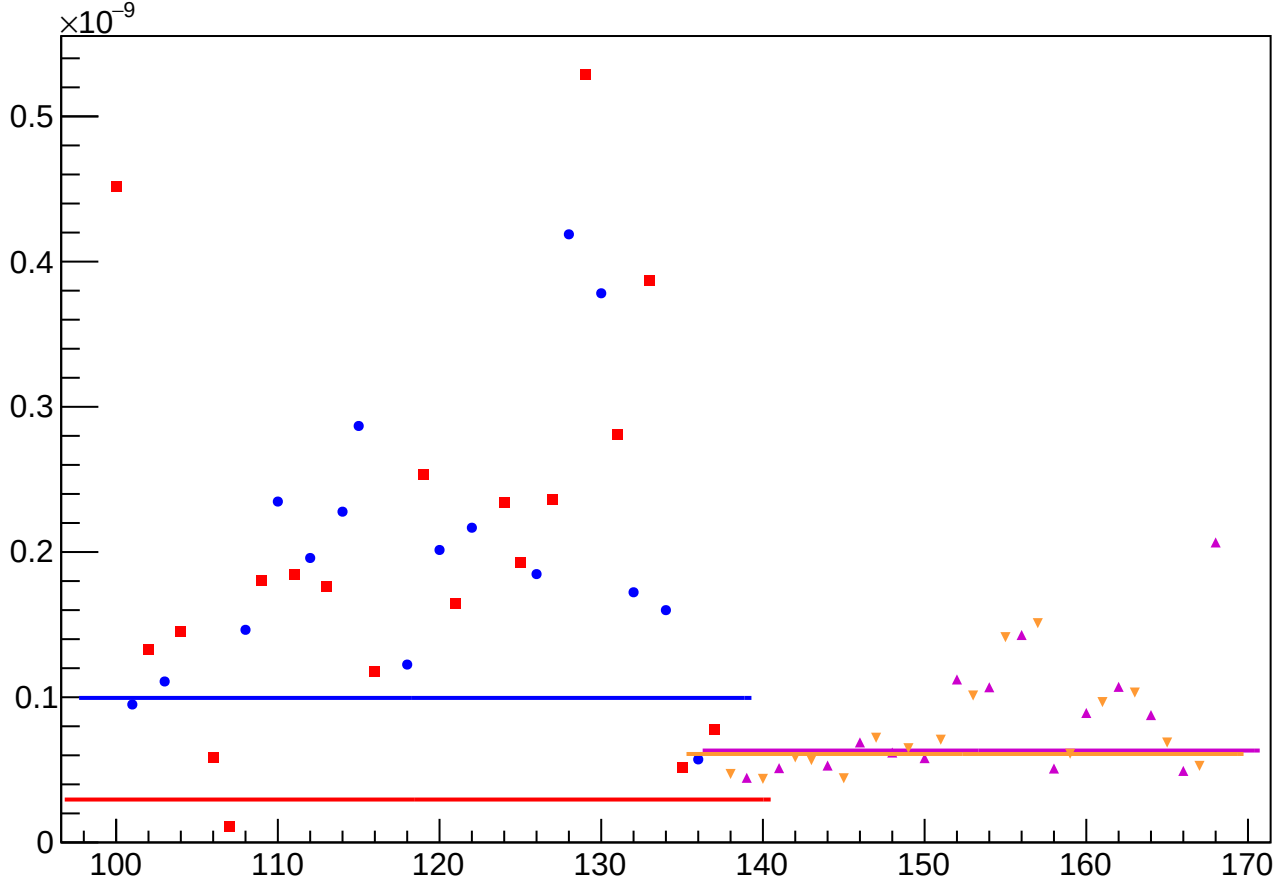
+ sign 4291.212+/-0.693 χ^2/NDF: 1029493.7/31

All: 4220.878+/-0.485 χ^2/NDF: 3071647.4/65

- sign 4153.267+/-0.679 χ^2/NDF: 2021935.5/33


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 17.4/15
Left Out: -0.000+/-0.000 χ²/NDF:20.8/15
Right Out: -0.000+/-0.000 χ²/NDF: 20.1/18
Left In: -0.000+/-0.000 χ²/NDF:12.7/14
+ sign -0.000+/-0.000 χ²/NDF: 39.8/31
All: -0.000+/-0.000 χ²/NDF: 75.2/65
- sign -0.000+/-0.000 χ²/NDF: 34.7/33

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:1072089.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

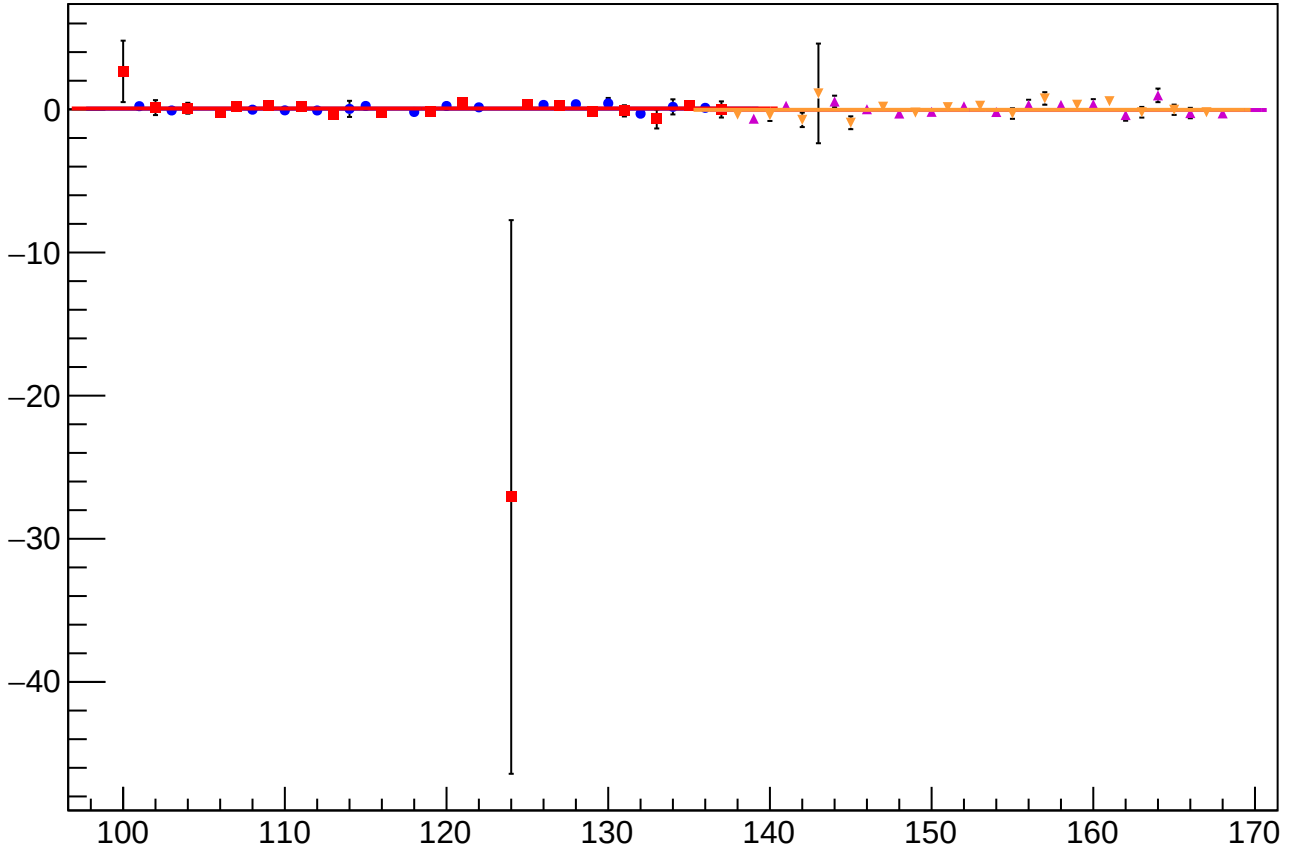
Left In: 0.000+/-0.000 χ^2/NDF:1230998.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 3178735.1/31

All: 0.000+/-0.000 χ^2/NDF: 10477478.0/65

- sign 0.000+/-0.000 χ^2/NDF: 6693947.0/33

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.033+/-0.087 χ^2/NDF:19.2/15

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

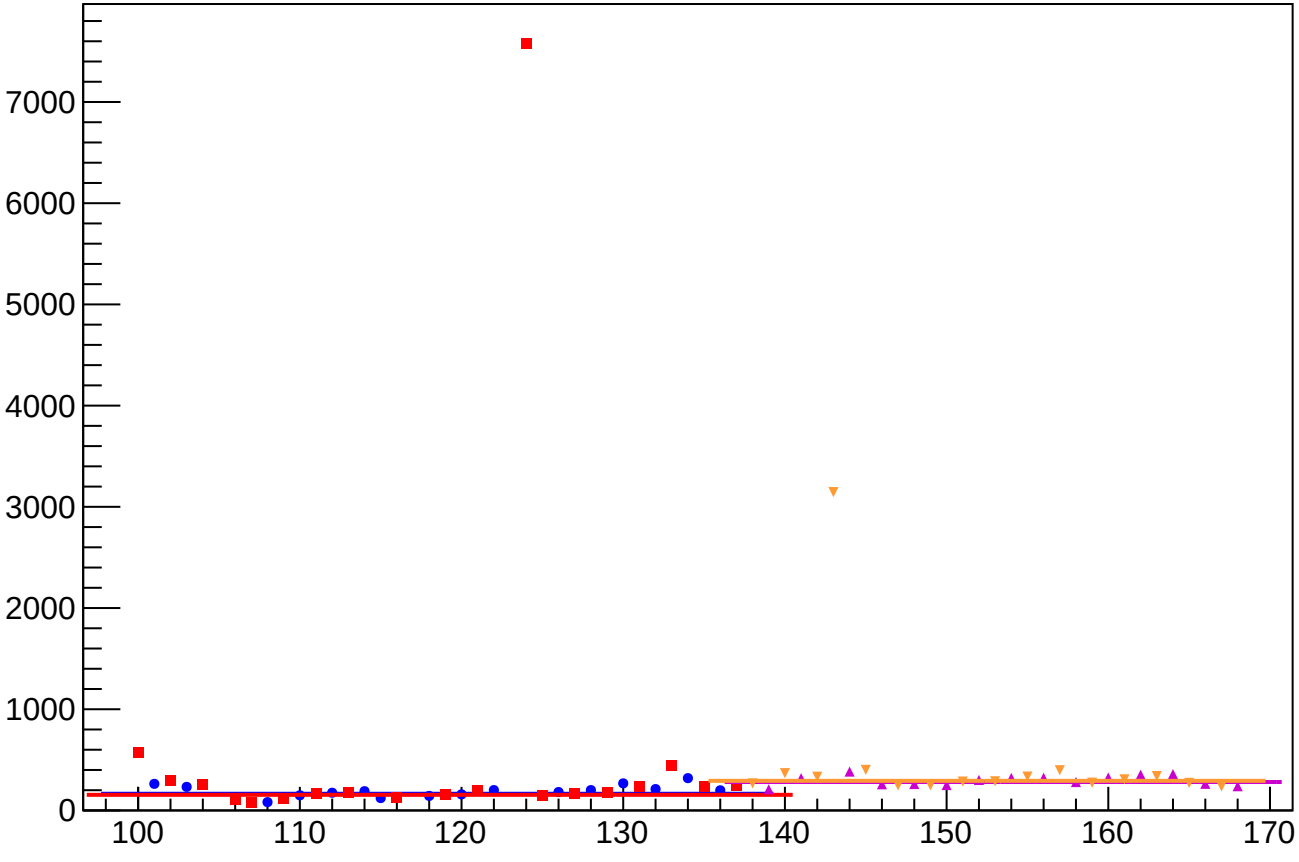
Left In: -0.046+/-0.082 χ^2/NDF:21.3/14

+ sign 0.018+/-0.053 χ^2/NDF: 27.4/31

All: 0.019+/-0.037 χ^2/NDF: 68.1/65

- sign 0.021+/-0.051 χ^2/NDF: 40.7/33

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 292.607+/-0.061 χ^2/NDF:1939410.0/15

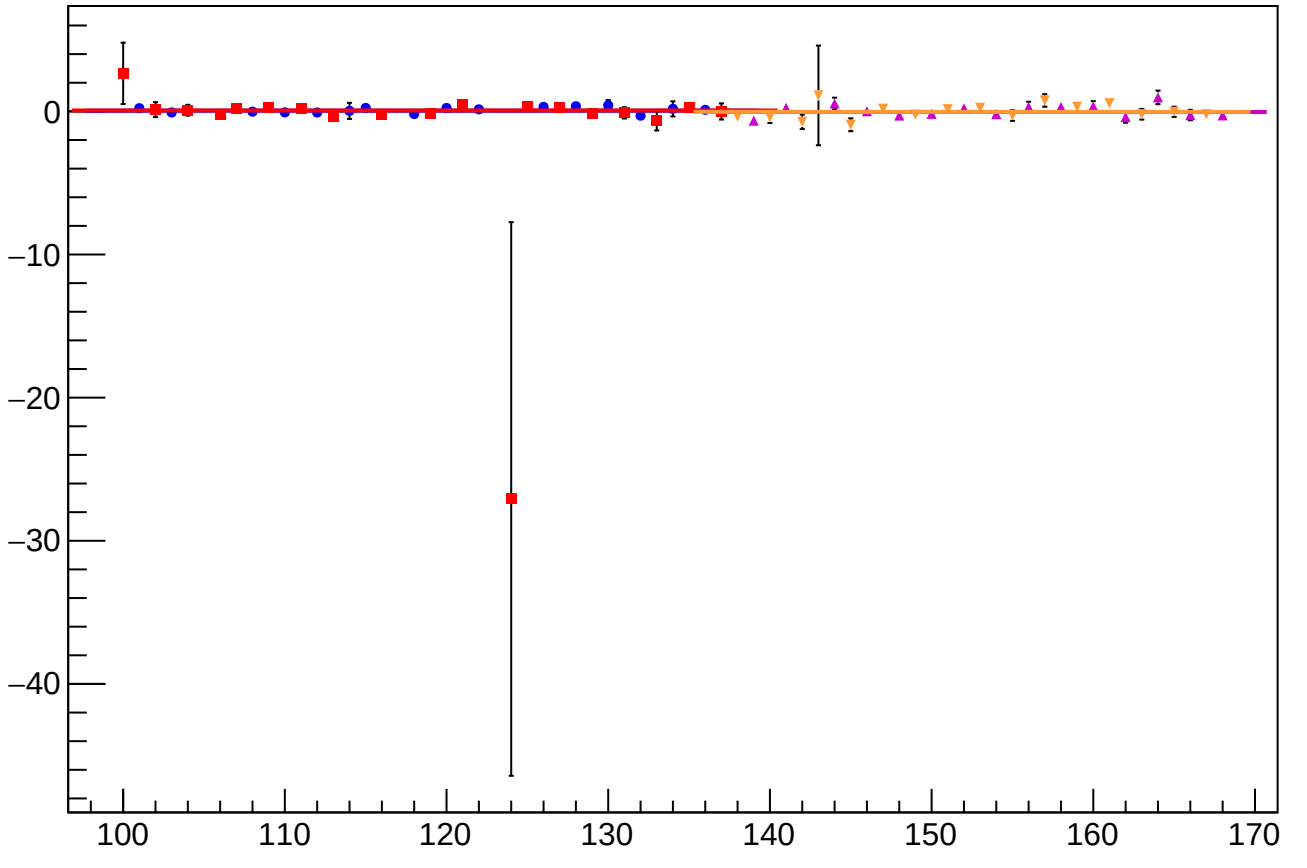
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 280.992+/-0.058 χ^2/NDF:649779.3/14

+ sign 212.207+/-0.037 χ^2/NDF: 6157107.6/31

All: 207.294+/-0.026 χ^2/NDF: 11714428.3/65

- sign 202.757+/-0.036 χ^2/NDF: 5523867.8/33



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.033+/-0.087 χ^2/NDF:19.2/15

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

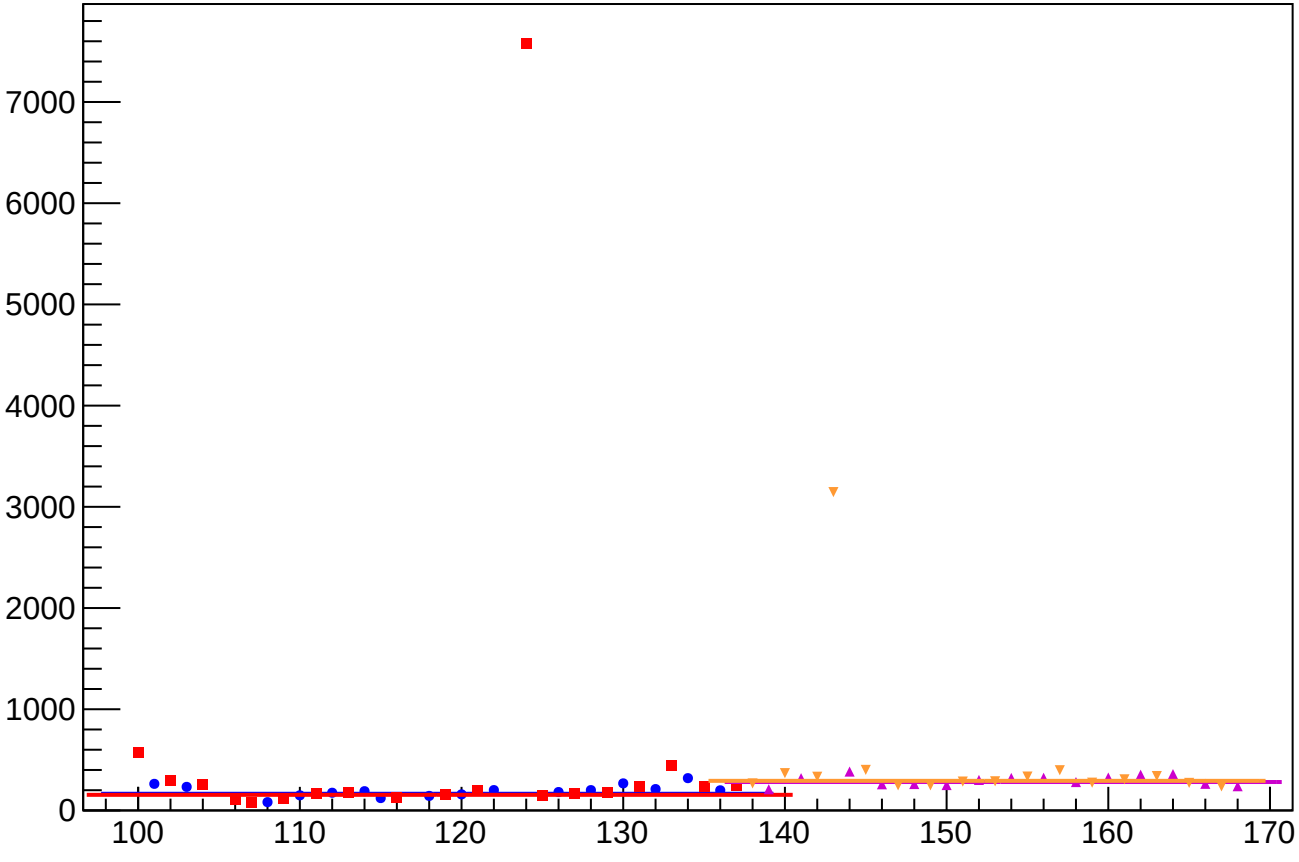
Left In: -0.046+/-0.082 χ^2/NDF:21.3/14

+ sign 0.018+/-0.053 χ^2/NDF: 27.4/31

All: 0.019+/-0.037 χ^2/NDF: 68.1/65

- sign 0.021+/-0.051 χ^2/NDF: 40.7/33

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: 292.607+/-0.061 χ^2/NDF:1939410.0/15

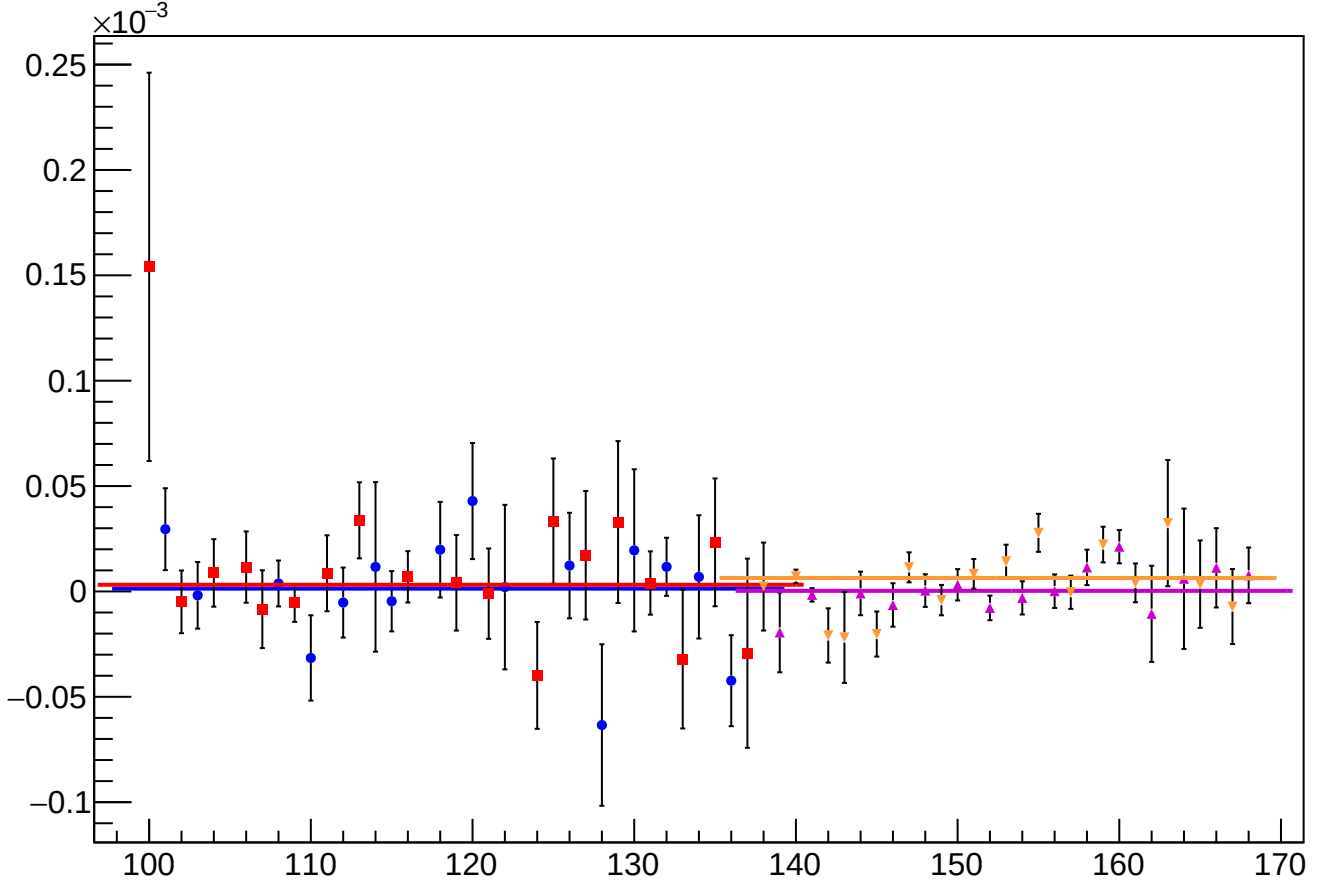
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 280.992+/-0.058 χ^2/NDF:649779.3/14

+ sign 212.207+/-0.037 χ^2/NDF: 6157107.6/31

All: 207.294+/-0.026 χ^2/NDF: 11714428.3/65

- sign 202.757+/-0.036 χ^2/NDF: 5523867.8/33



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.5/15

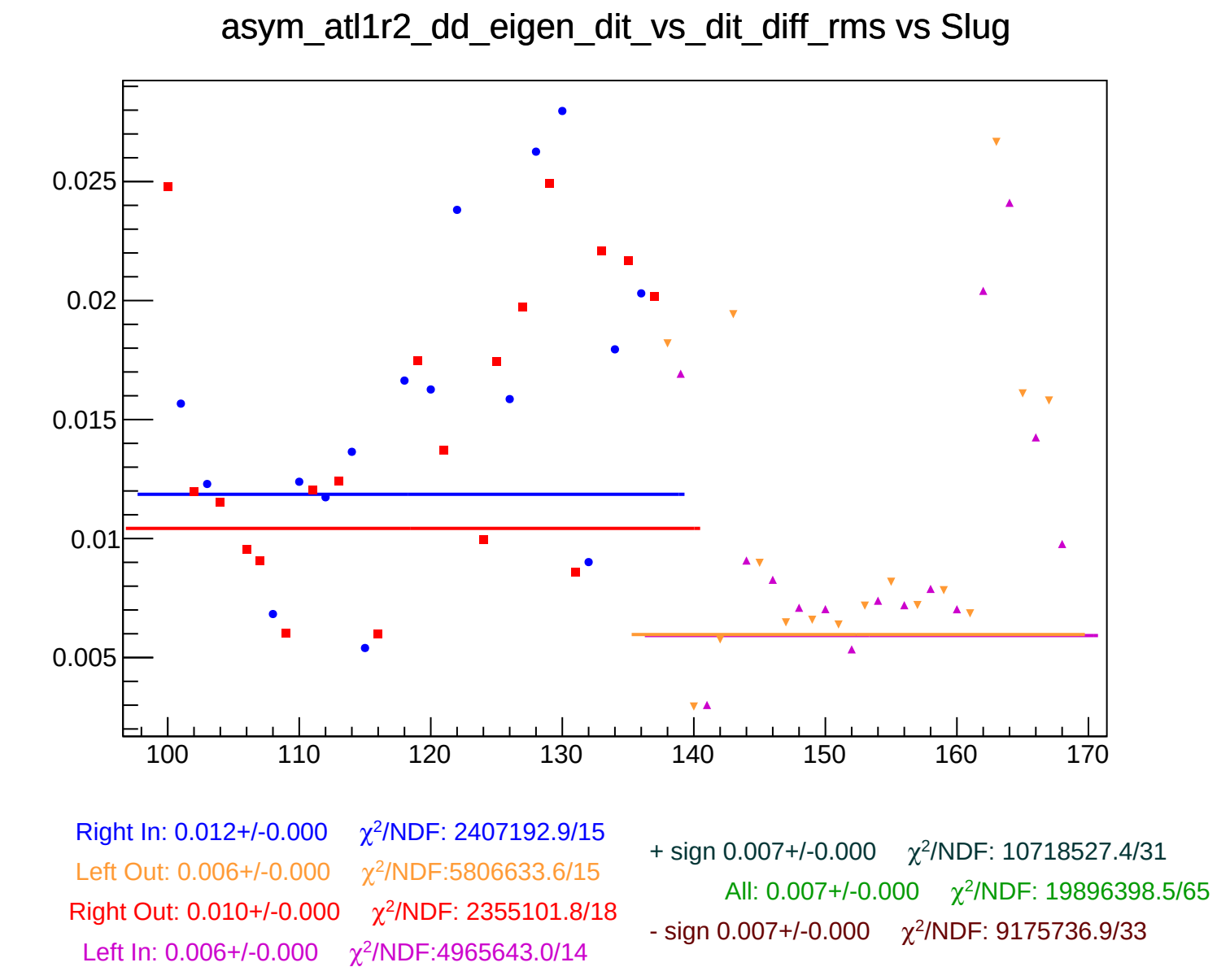
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/14

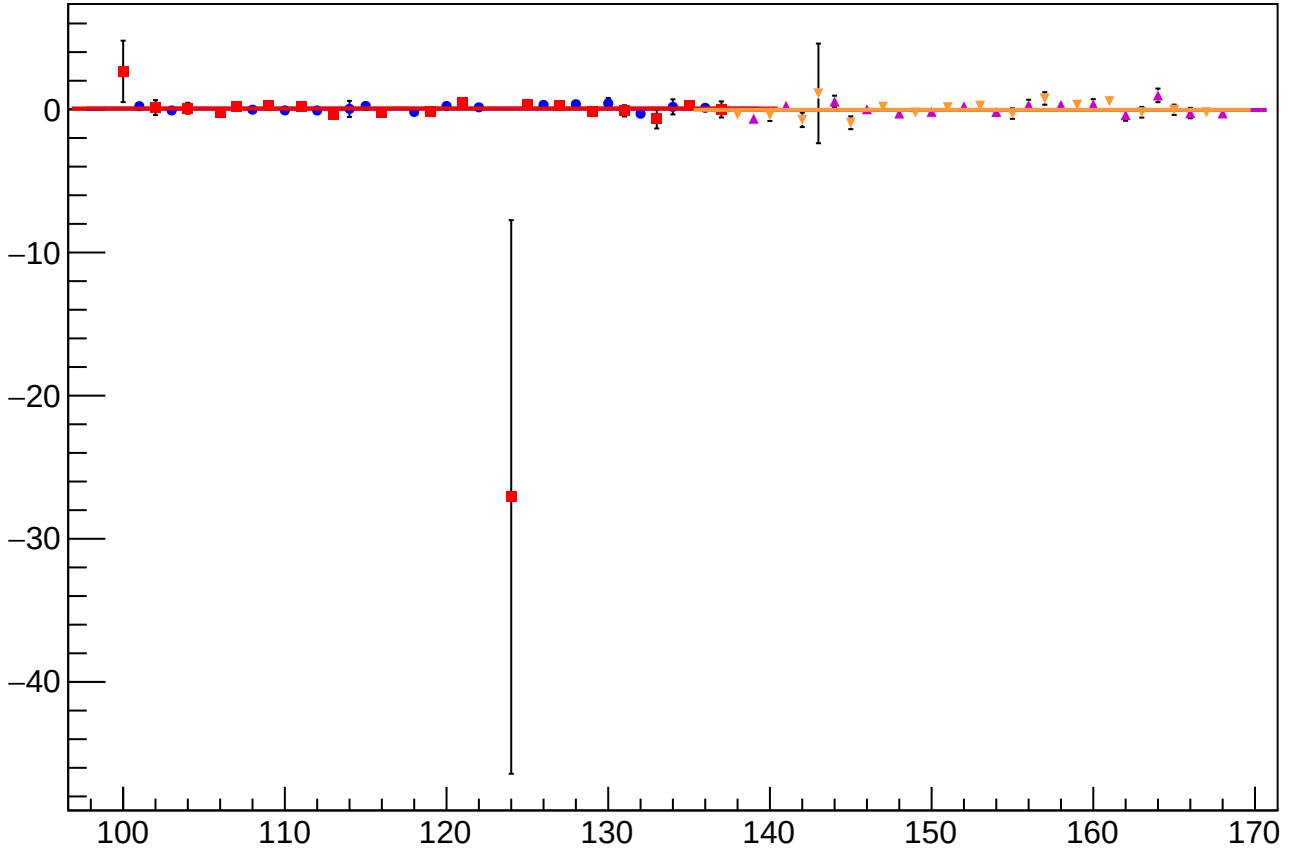
+ sign 0.000+/-0.000 χ^2/NDF: 44.5/31

All: 0.000+/-0.000 χ^2/NDF: 76.9/65

- sign 0.000+/-0.000 χ^2/NDF: 28.8/33


asym_atl1r2_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: 0.012+/-0.000 χ²/NDF: 2407192.9/15
Left Out: 0.006+/-0.000 χ²/NDF:5806633.6/15
Right Out: 0.010+/-0.000 χ²/NDF: 2355101.8/18
Left In: 0.006+/-0.000 χ²/NDF:4965643.0/14
+ sign 0.007+/-0.000 χ²/NDF: 10718527.4/31
All: 0.007+/-0.000 χ²/NDF: 19896398.5/65
- sign 0.007+/-0.000 χ²/NDF: 9175736.9/33

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.033+/-0.087 χ^2/NDF:19.2/15

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

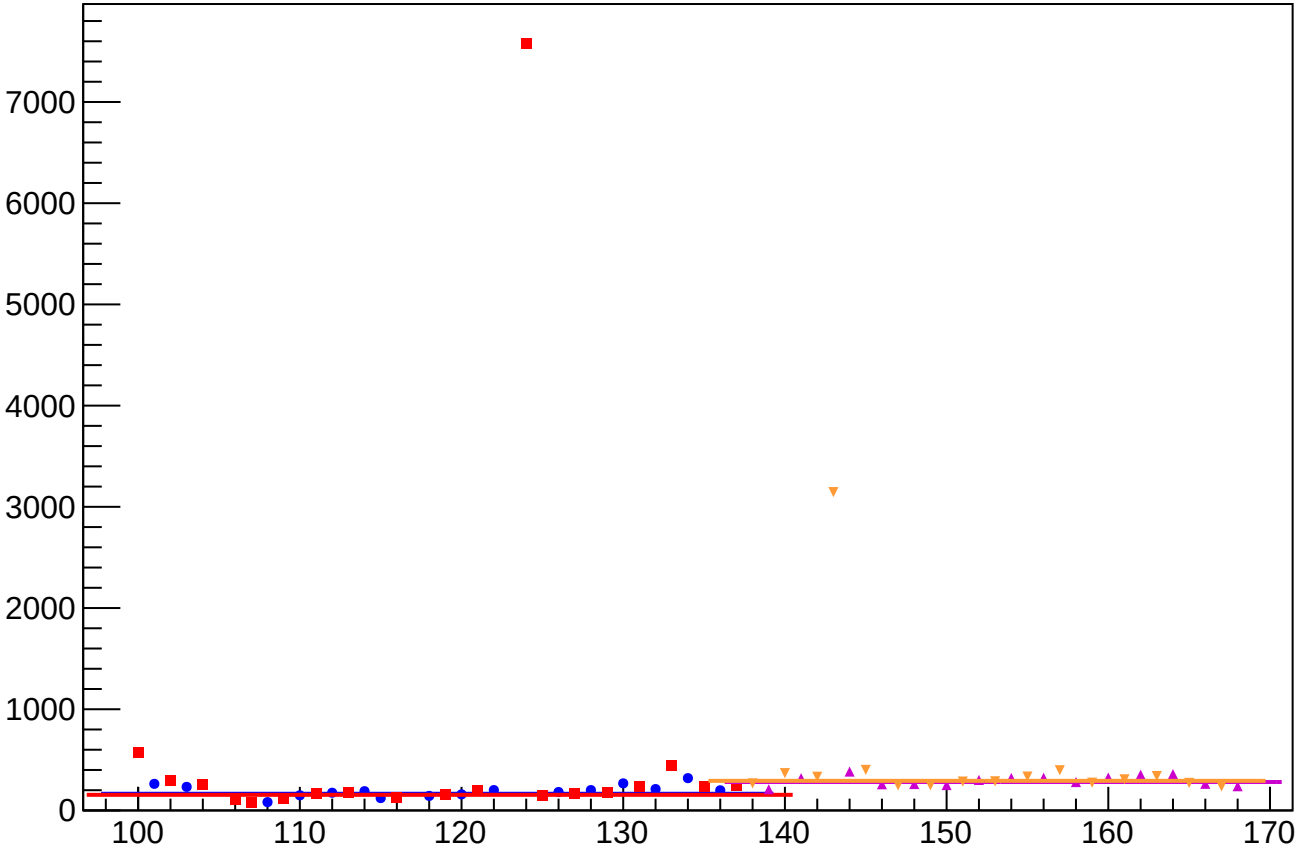
Left In: -0.046+/-0.082 χ^2/NDF:21.3/14

+ sign 0.018+/-0.053 χ^2/NDF: 27.4/31

All: 0.019+/-0.037 χ^2/NDF: 68.1/65

- sign 0.021+/-0.051 χ^2/NDF: 40.7/33

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: 292.612+/-0.061 χ^2/NDF:1939395.4/15

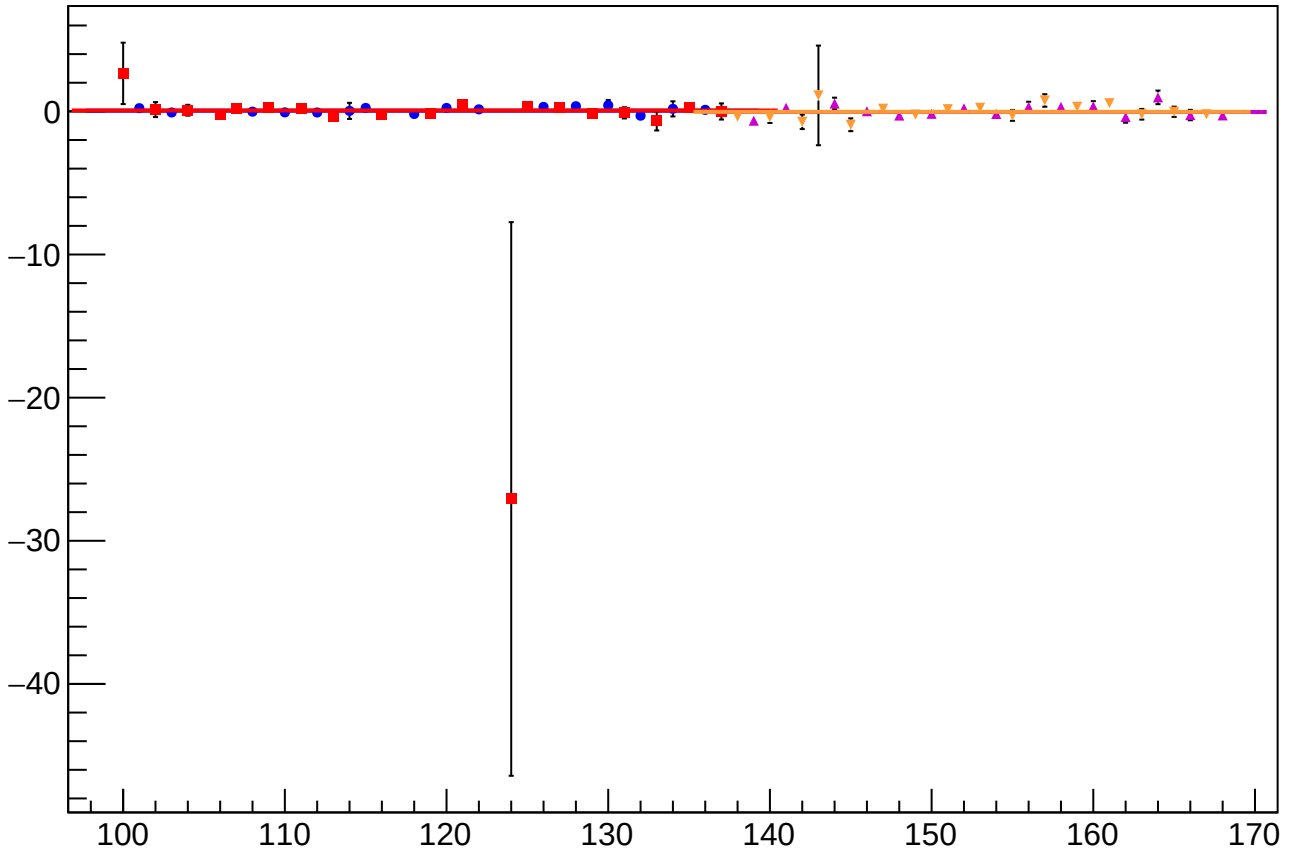
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 280.997+/-0.058 χ^2/NDF:649759.4/14

+ sign 212.207+/-0.037 χ^2/NDF: 6157223.0/31

All: 207.294+/-0.026 χ^2/NDF: 11714714.1/65

- sign 202.757+/-0.036 χ^2/NDF: 5524039.1/33



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.033+/-0.087 χ^2/NDF:19.2/15

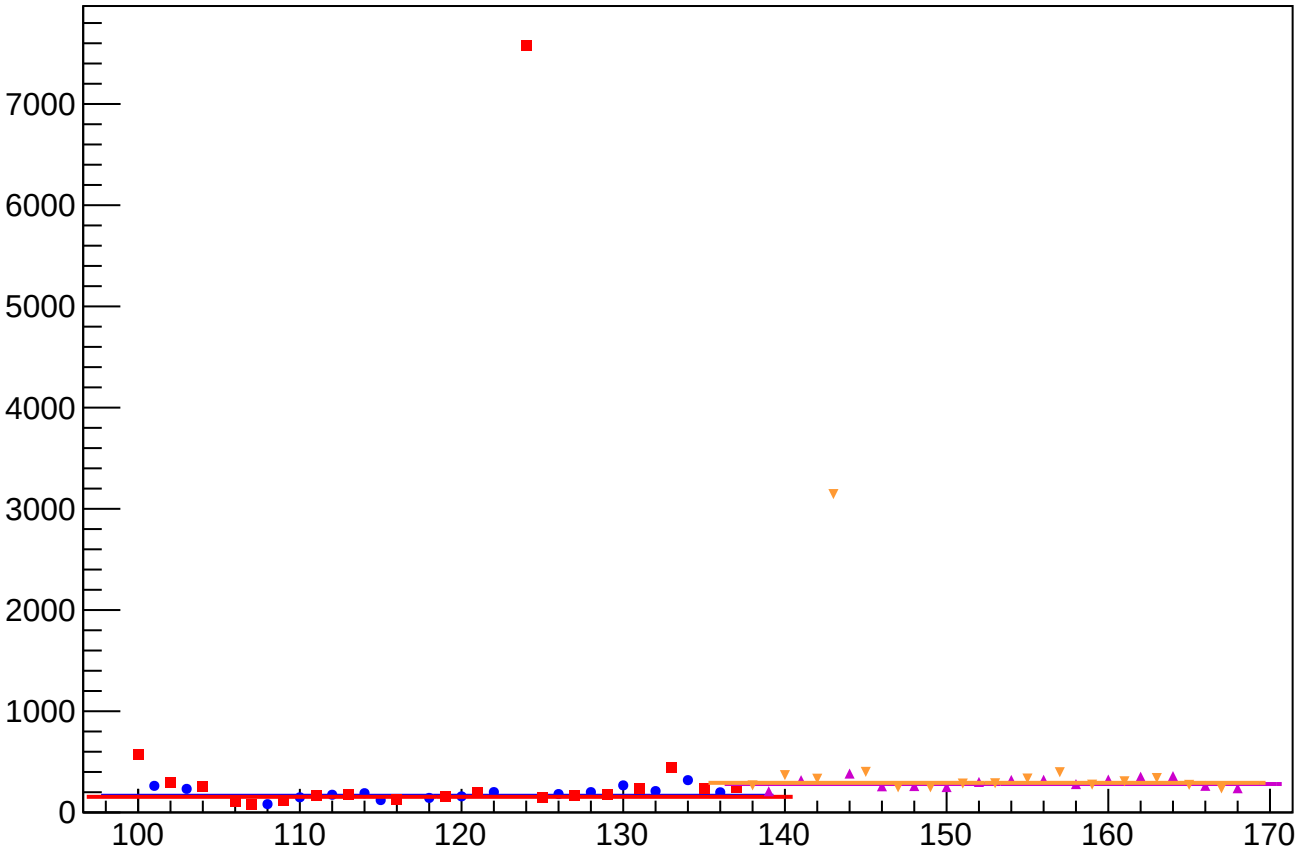
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.046+/-0.082 χ^2/NDF:21.3/14

+ sign 0.018+/-0.053 χ^2/NDF: 27.4/31

All: 0.019+/-0.037 χ^2/NDF: 68.1/65

- sign 0.021+/-0.051 χ^2/NDF: 40.7/33



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 292.612+/-0.061 χ^2/NDF:1939395.4/15

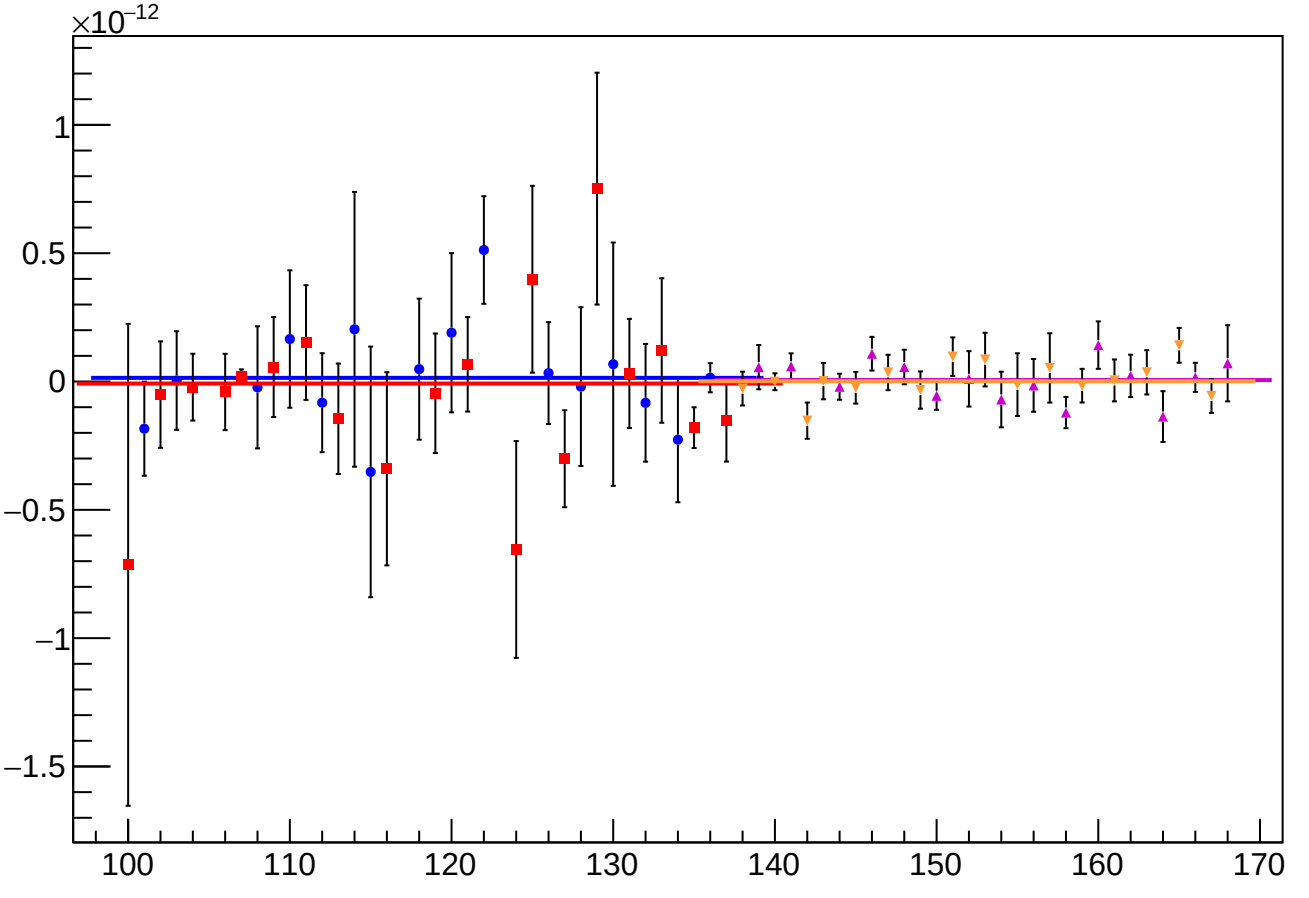
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 280.997+/-0.058 χ^2/NDF:649759.4/14

+ sign 212.207+/-0.037 χ^2/NDF: 6157223.0/31

All: 207.294+/-0.026 χ^2/NDF: 11714714.1/65

- sign 202.757+/-0.036 χ^2/NDF: 5524039.1/33



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/15

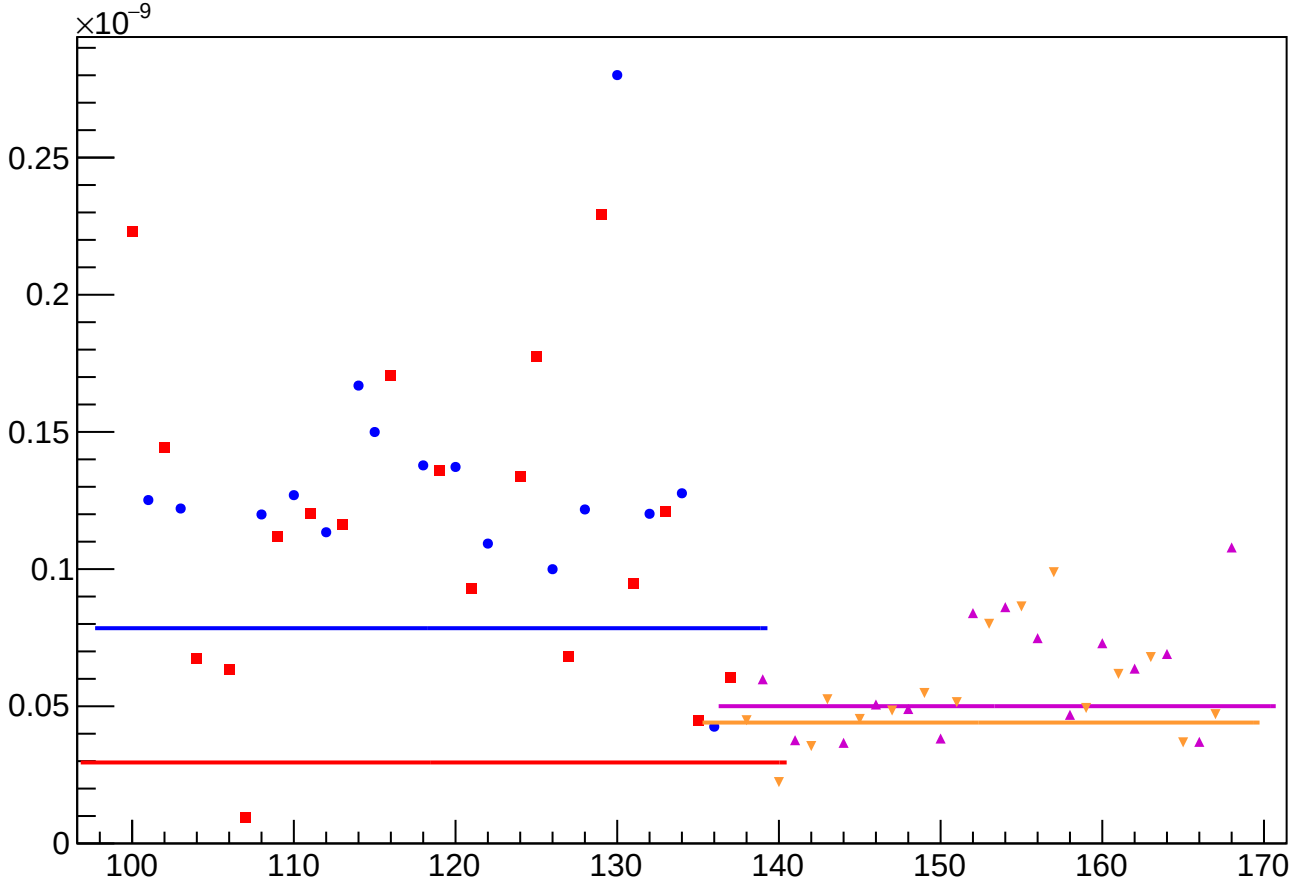
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:15.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 23.0/31

All: 0.000+/-0.000 χ^2/NDF: 56.9/65

- sign 0.000+/-0.000 χ^2/NDF: 33.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2099011.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

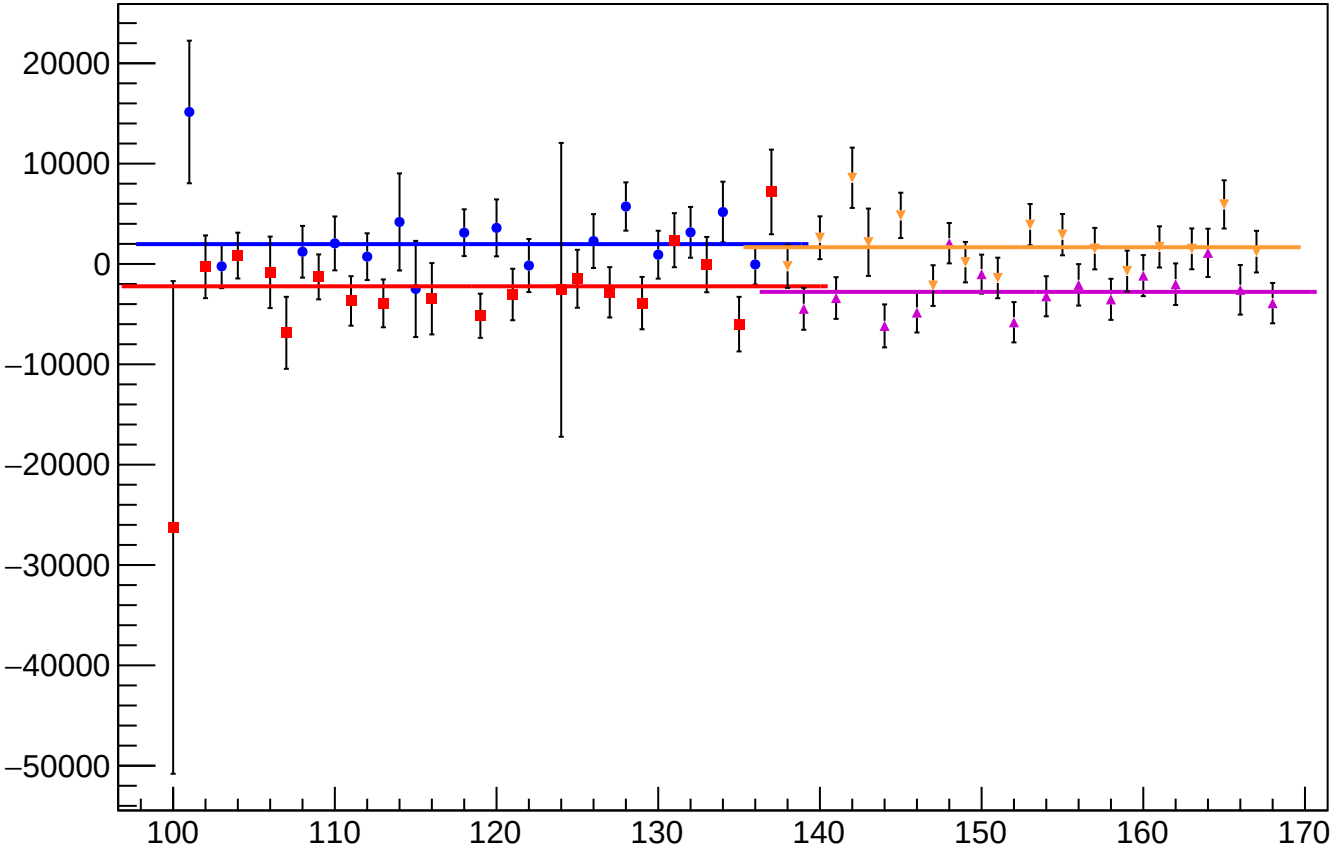
Left In: 0.000+/-0.000 χ^2/NDF:1580914.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 5340667.1/31

All: 0.000+/-0.000 χ^2/NDF: 13582622.7/65

- sign 0.000+/-0.000 χ^2/NDF: 8042250.8/33

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1670.957+/-542.544 χ^2/NDF:20.8/15

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

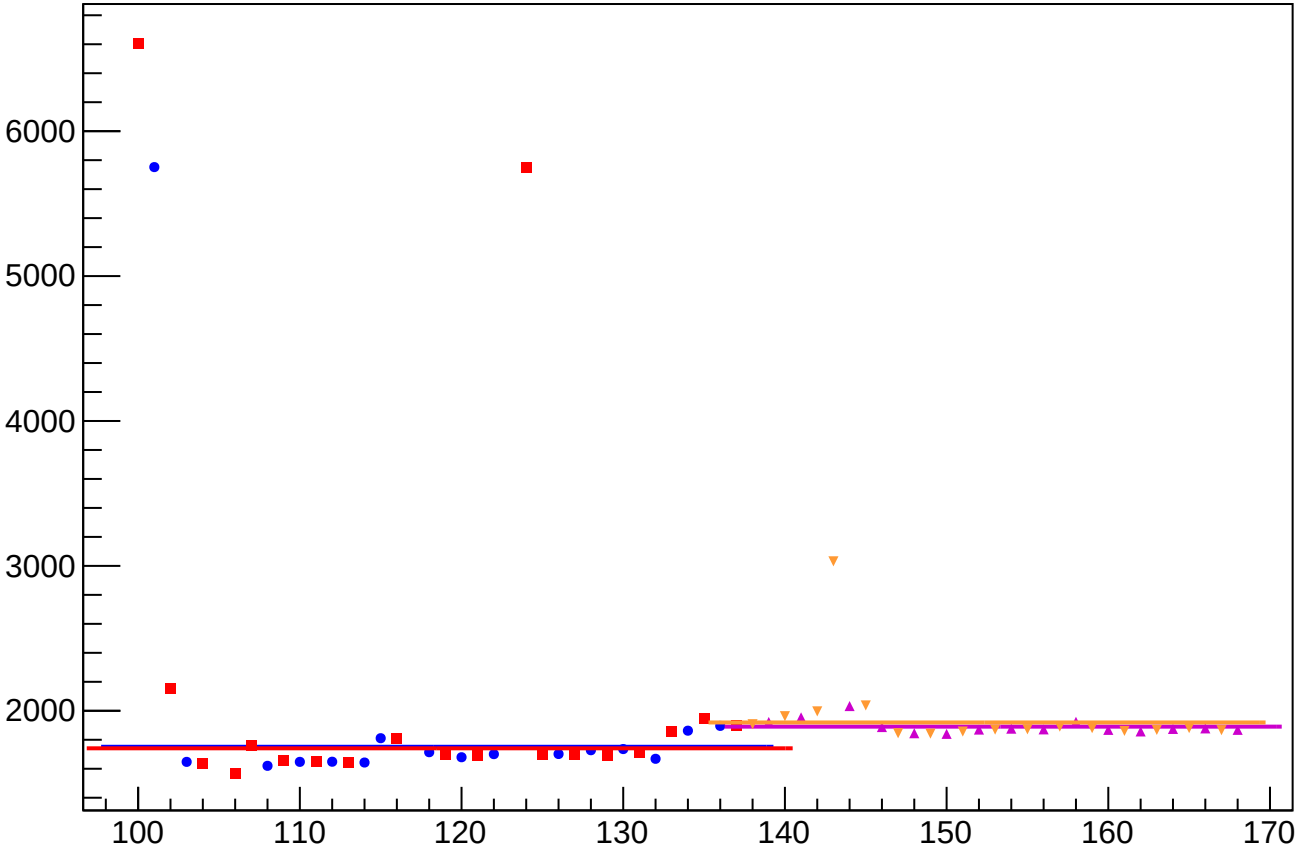
Left In: -2781.417+/-536.823 χ^2/NDF:17.2/14

+ sign 1792.383+/-421.067 χ^2/NDF: 33.0/31

All: -412.068+/-295.759 χ^2/NDF: 123.8/65

- sign -2558.837+/-415.521 χ^2/NDF: 36.6/33

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1919.495+/-0.384 χ^2/NDF:242836.2/15

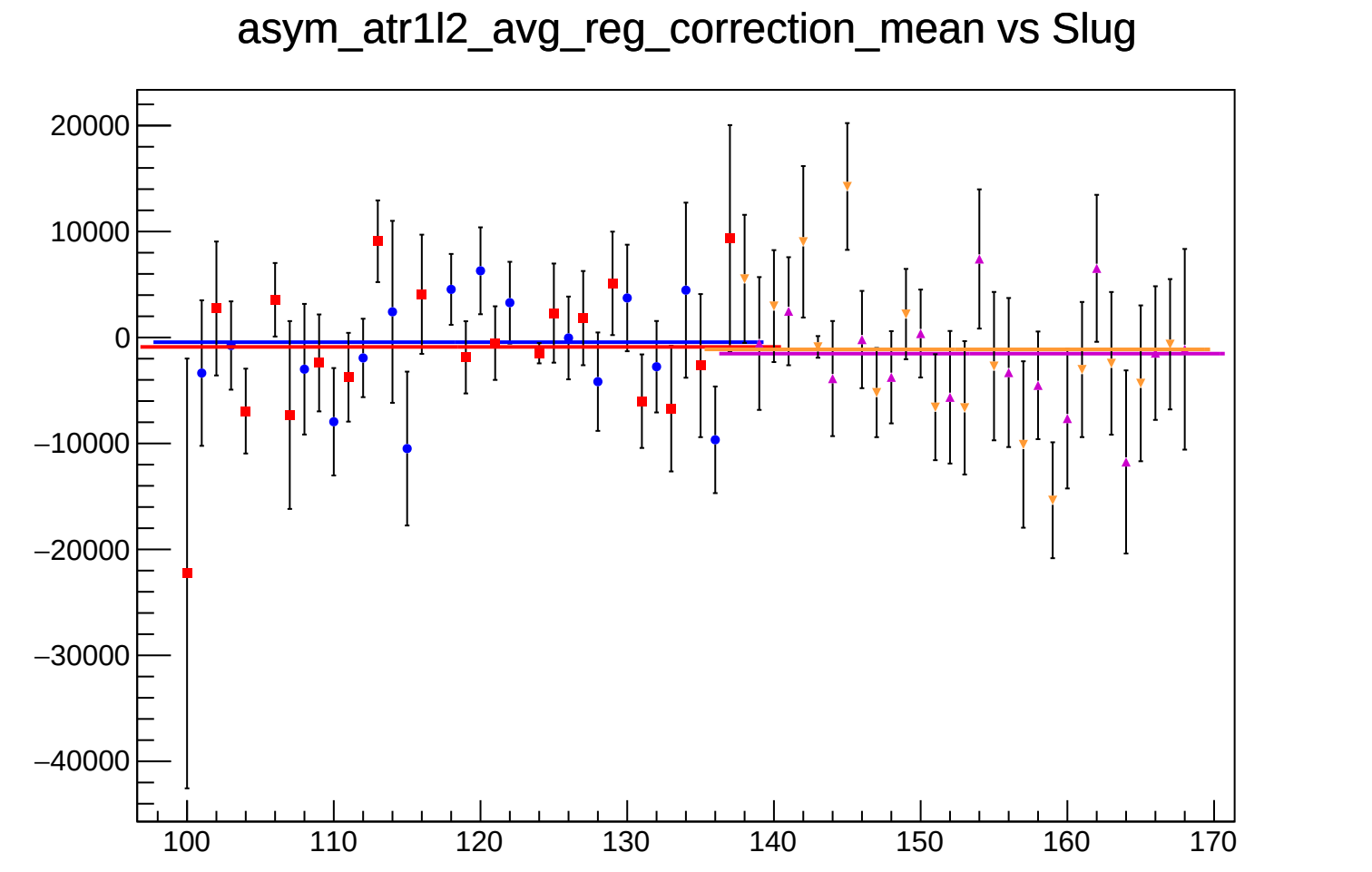
Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1890.636+/-0.380 χ^2/NDF:15600.9/14

+ sign 1852.730+/-0.298 χ^2/NDF: 989647.9/31

All: 1841.253+/-0.209 χ^2/NDF: 1375629.8/65

- sign 1830.142+/-0.293 χ^2/NDF: 383057.3/33



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -1122.367+/-843.437 χ^2/NDF:22.4/15

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

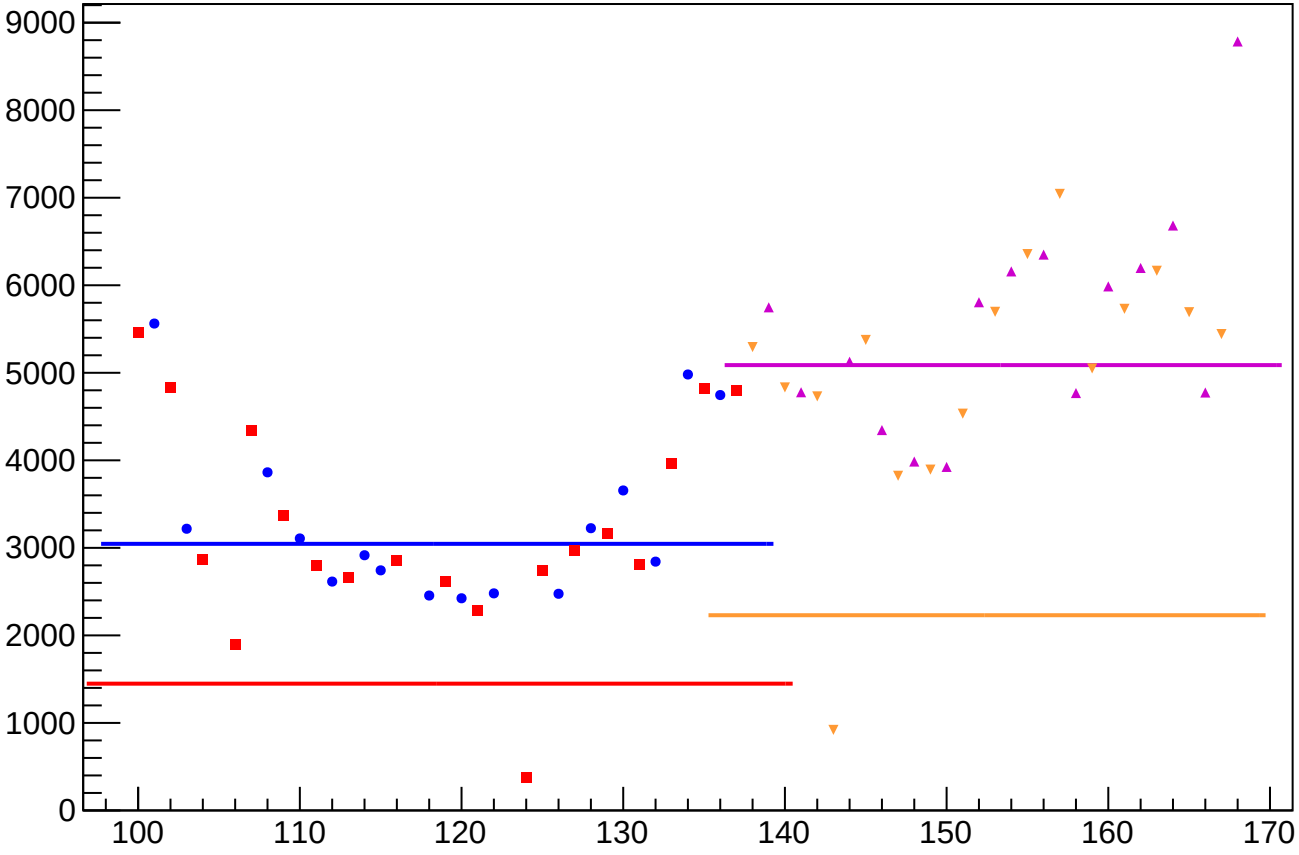
Left In: -1524.248+/-1478.835 χ^2/NDF:7.7/14

+ sign -891.639+/-685.077 χ^2/NDF: 38.6/31

All: -956.365+/-472.108 χ^2/NDF: 66.5/65

- sign -1014.905+/-651.512 χ^2/NDF: 27.9/33

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2230.343+/-0.596 χ^2/NDF:10953391.0/15

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

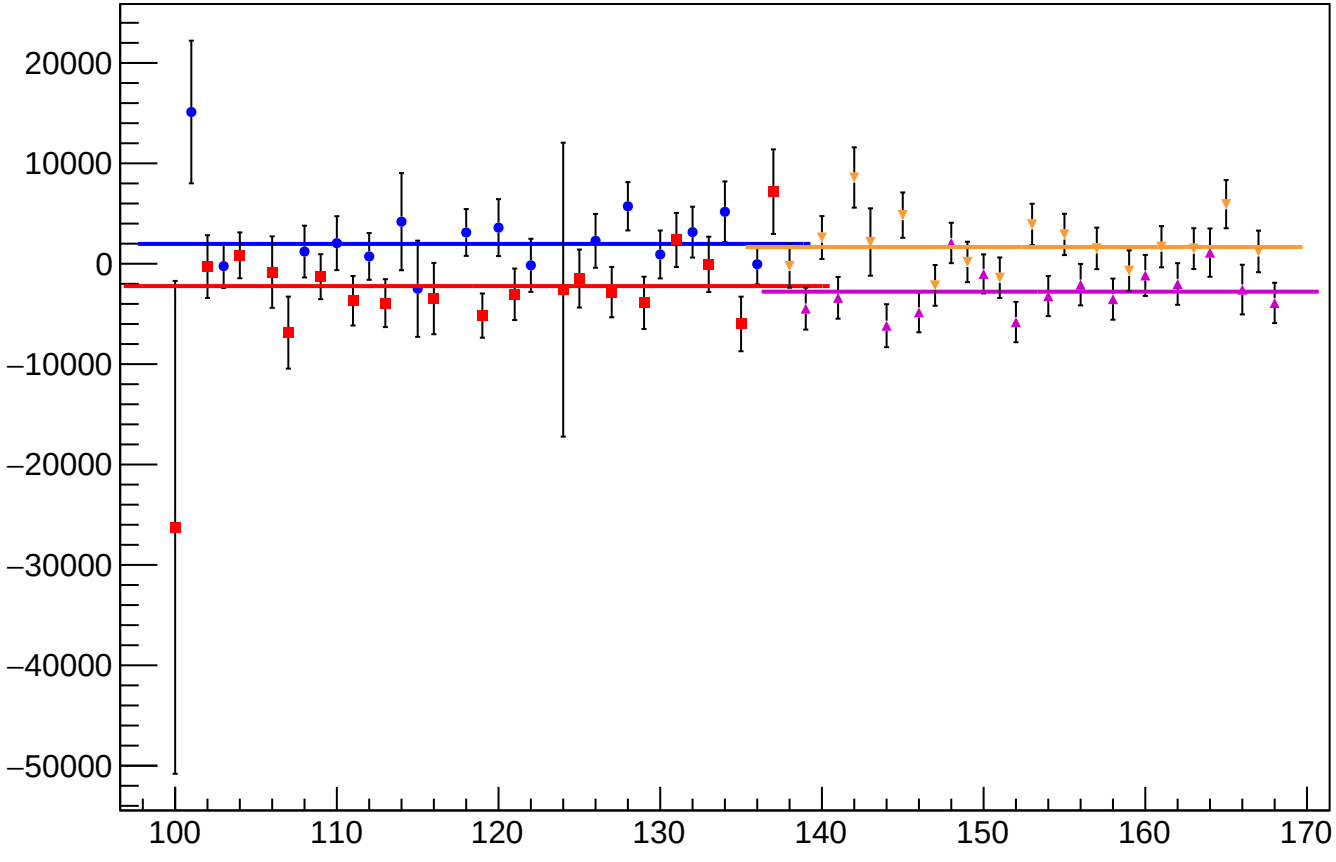
Left In: 5087.858+/-1.046 χ^2/NDF:985353.3/14

+ sign 2507.850+/-0.484 χ^2/NDF: 12497077.4/31

All: 2322.508+/-0.334 χ^2/NDF: 30309752.6/6

- sign 2154.882+/-0.461 χ^2/NDF: 17533894.9/33

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1670.989+/-542.544 χ^2/NDF:20.8/15

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

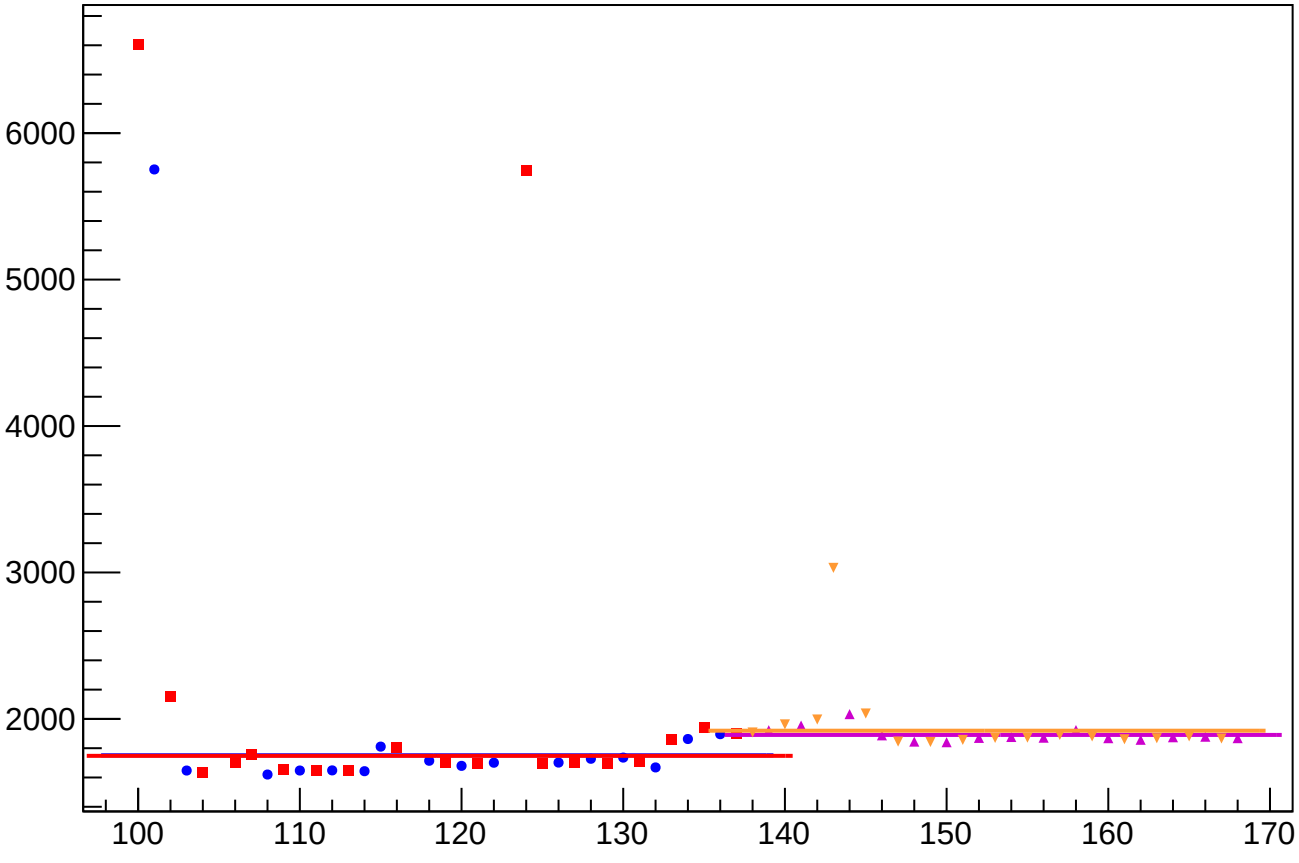
Left In: -2781.507+/-536.823 χ^2/NDF:17.2/14

+ sign 1792.262+/-421.067 χ^2/NDF: 33.0/31

All: -412.175+/-295.759 χ^2/NDF: 123.7/65

- sign -2558.930+/-415.521 χ^2/NDF: 36.6/33

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1919.495+/-0.384 χ^2/NDF:242836.2/15

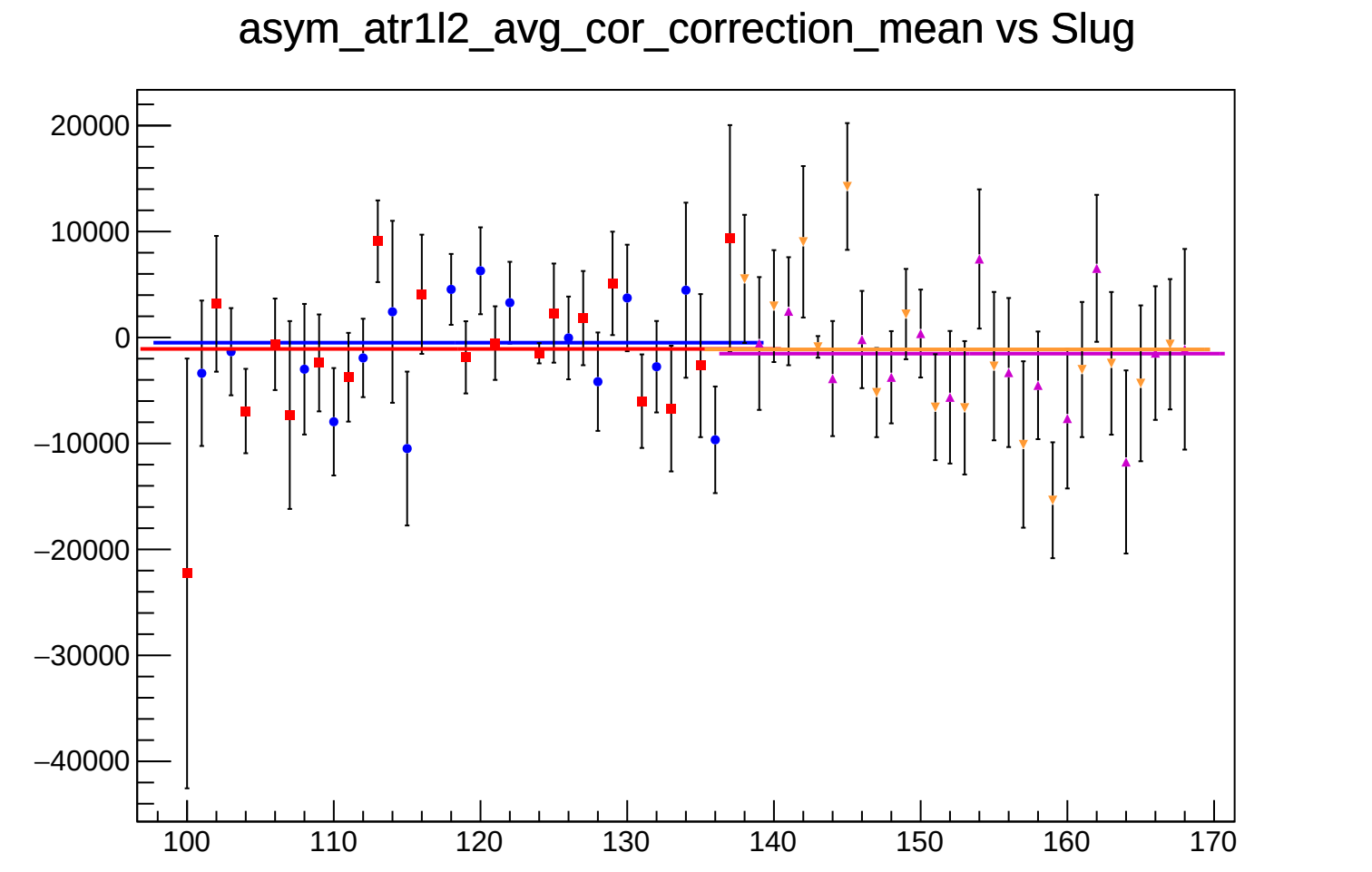
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1890.636+/-0.380 χ^2/NDF:15600.9/14

+ sign 1852.730+/-0.298 χ^2/NDF: 989648.4/31

All: 1842.778+/-0.209 χ^2/NDF: 1362395.8/65

- sign 1833.115+/-0.293 χ^2/NDF: 370545.2/33



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1122.170+/-843.413 χ^2/NDF:22.4/15

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

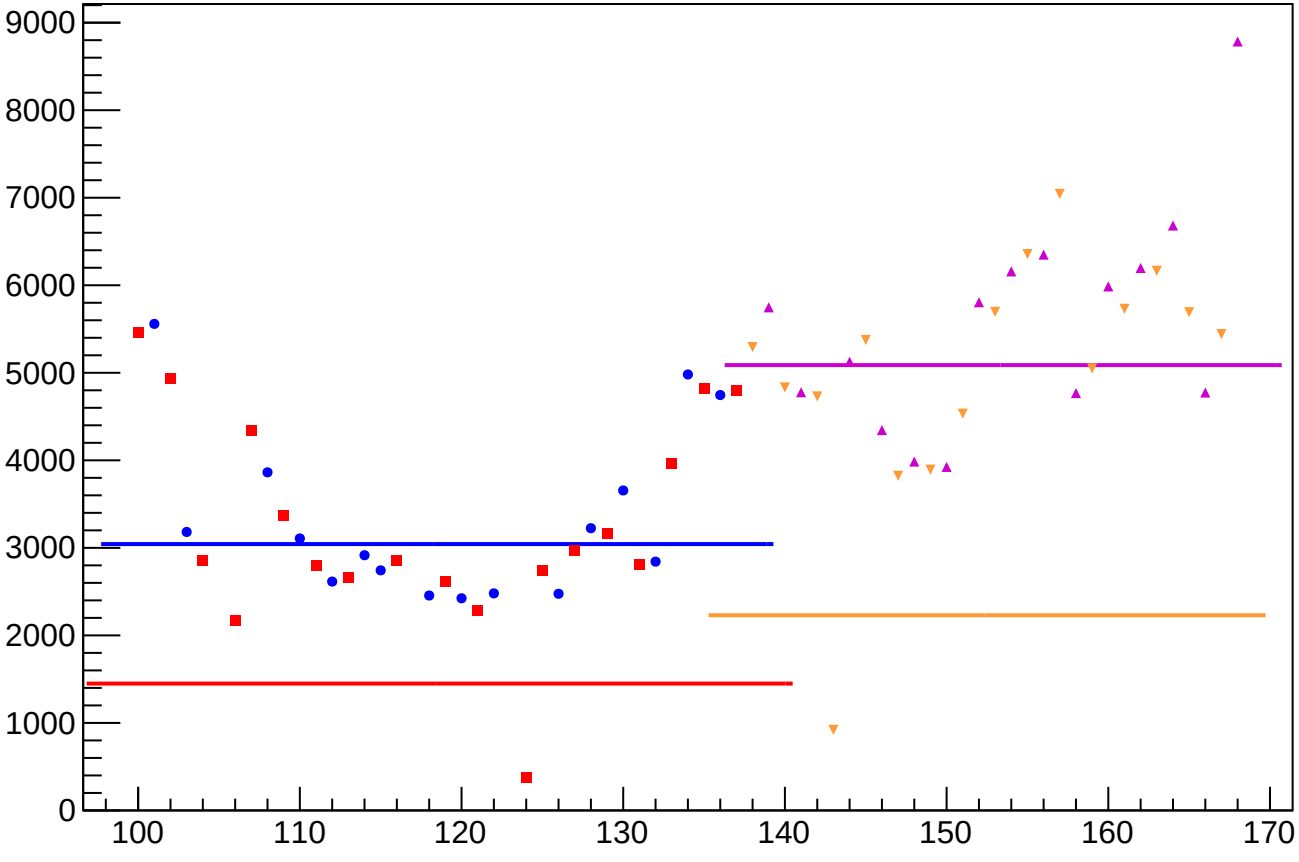
Left In: -1524.316+/-1478.834 χ^2/NDF:7.7/14

+ sign -907.777+/-684.824 χ^2/NDF: 38.6/31

All: -1043.591+/-473.589 χ^2/NDF: 64.9/65

- sign -1168.077+/-655.641 χ^2/NDF: 26.2/33

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2230.244+/-0.596 χ^2/NDF:10953844.5/15

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

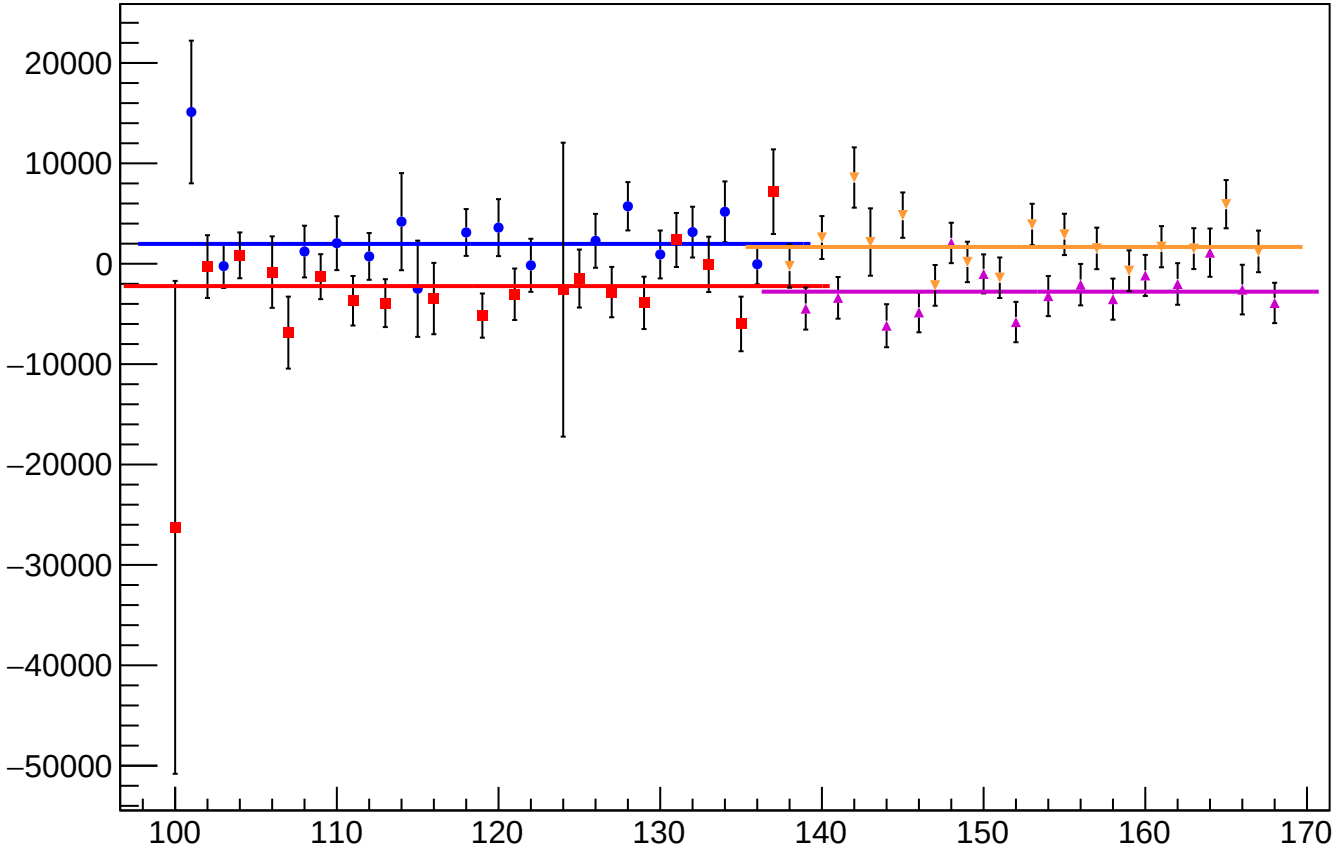
Left In: 5087.855+/-1.046 χ^2/NDF:985353.7/14

+ sign 2507.250+/-0.484 χ^2/NDF: 12492706.6/31

All: 2328.503+/-0.335 χ^2/NDF: 30291304.1/6

- sign 2164.666+/-0.464 χ^2/NDF: 17537454.8/33

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1670.989+/-542.544 χ^2/NDF:20.8/15

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

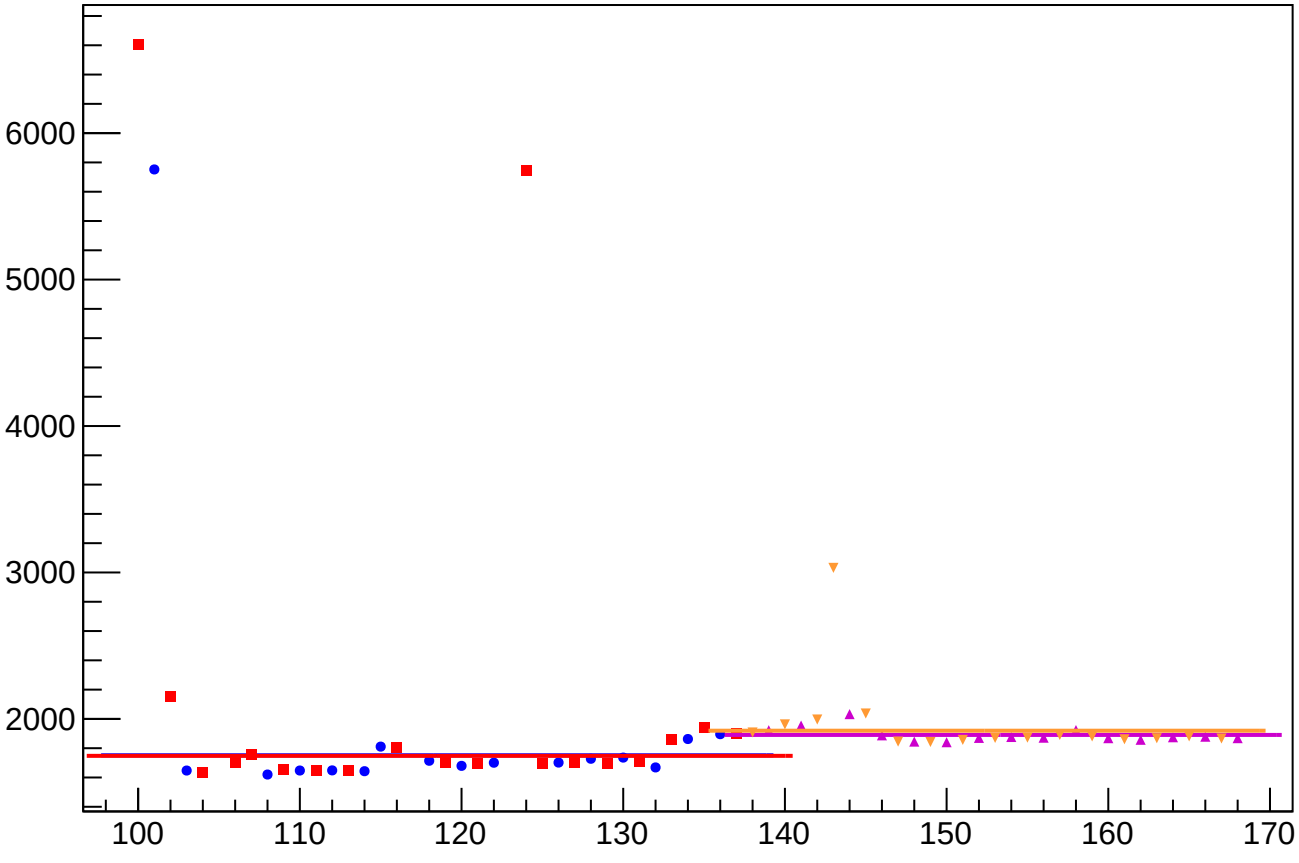
Left In: -2781.507+/-536.823 χ^2/NDF:17.2/14

+ sign 1792.262+/-421.067 χ^2/NDF: 33.0/31

All: -412.175+/-295.759 χ^2/NDF: 123.7/65

- sign -2558.930+/-415.521 χ^2/NDF: 36.6/33

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1919.495+/-0.384 χ^2/NDF:242836.2/15

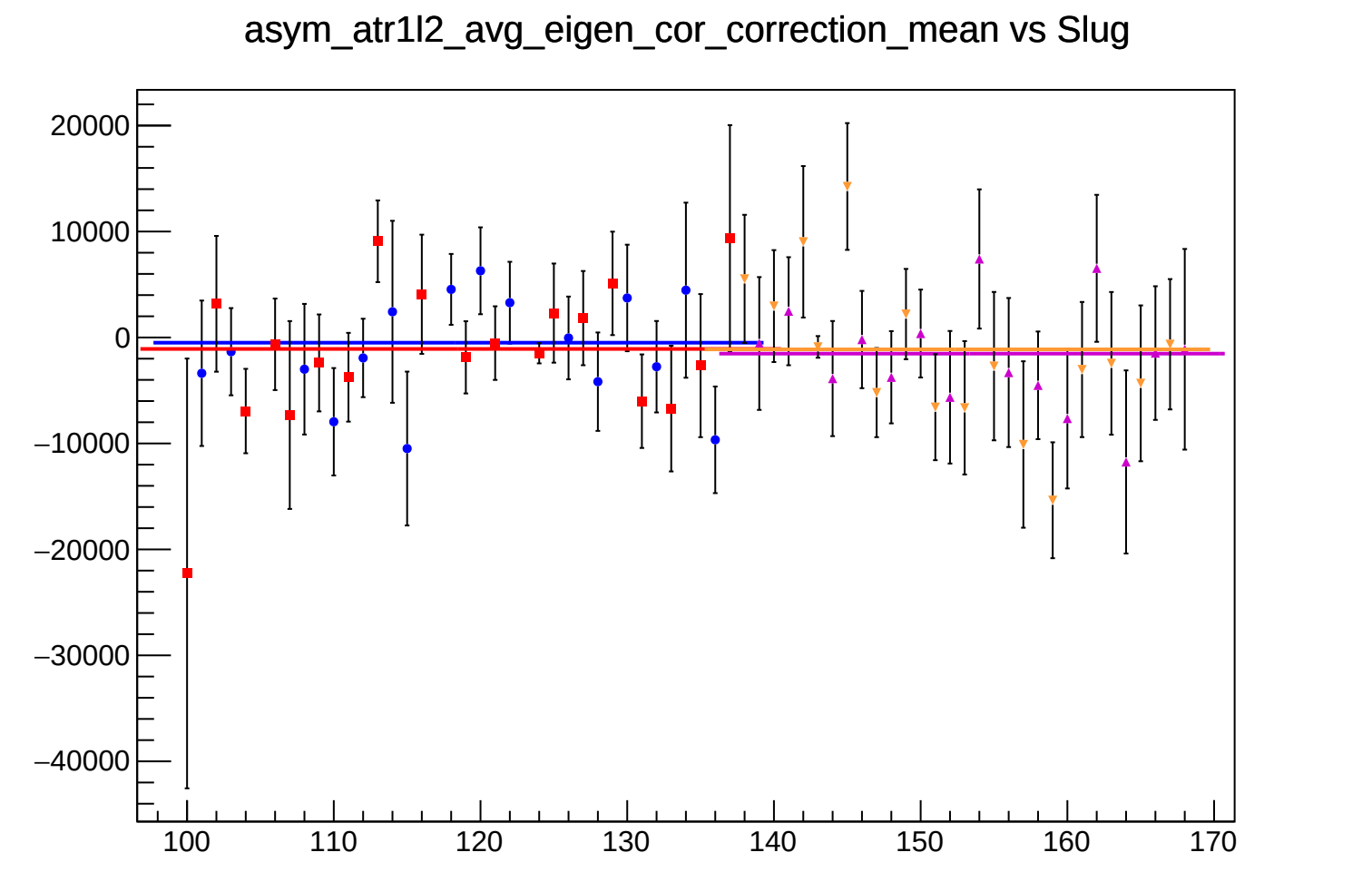
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1890.636+/-0.380 χ^2/NDF:15600.9/14

+ sign 1852.730+/-0.298 χ^2/NDF: 989648.4/31

All: 1842.778+/-0.209 χ^2/NDF: 1362395.8/65

- sign 1833.115+/-0.293 χ^2/NDF: 370545.2/33



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1122.170+/-843.413 χ^2/NDF:22.4/15

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

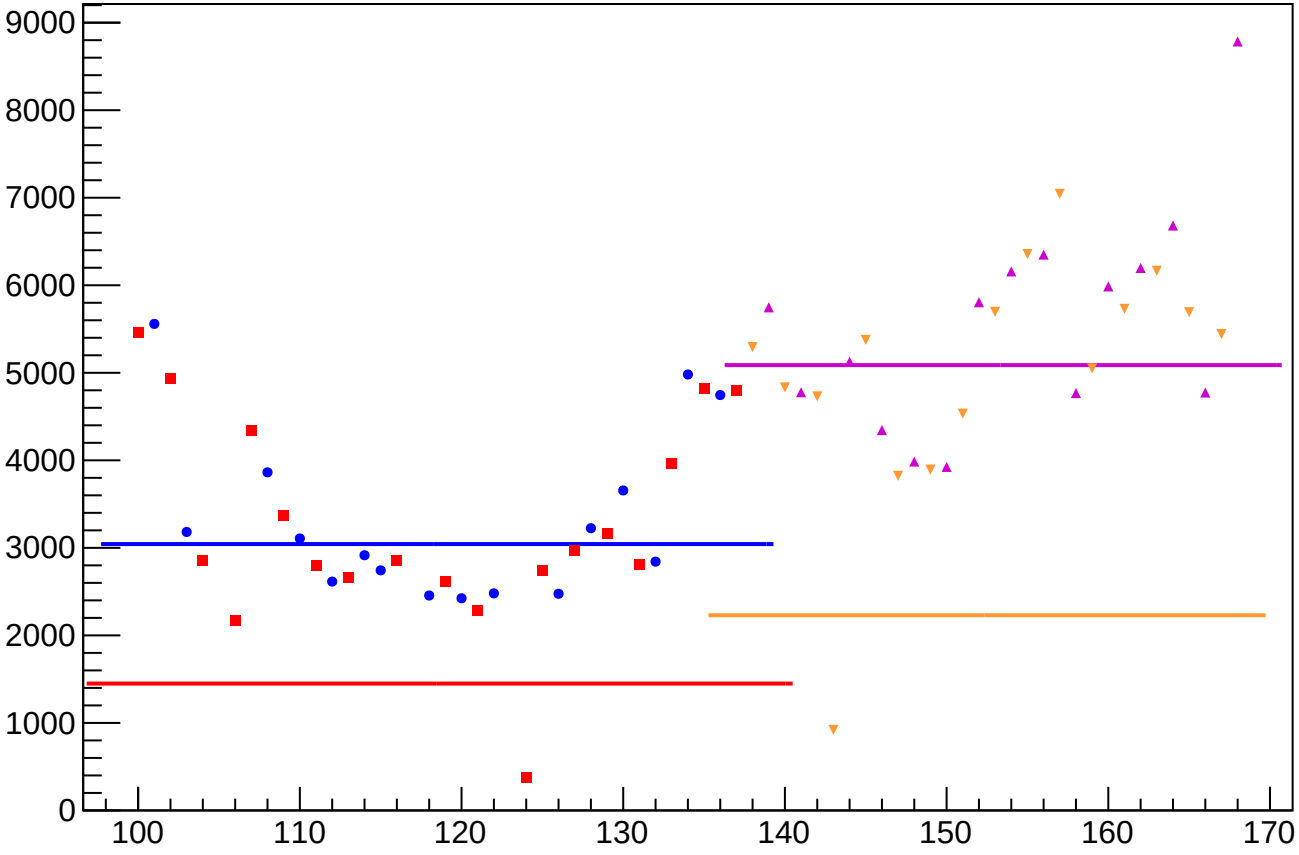
Left In: -1524.316+/-1478.834 χ^2/NDF:7.7/14

+ sign -907.777+/-684.824 χ^2/NDF: 38.6/31

All: -1043.591+/-473.589 χ^2/NDF: 64.9/65

- sign -1168.077+/-655.641 χ^2/NDF: 26.2/33

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2230.244+/-0.596 χ^2/NDF:10953844.5/15

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

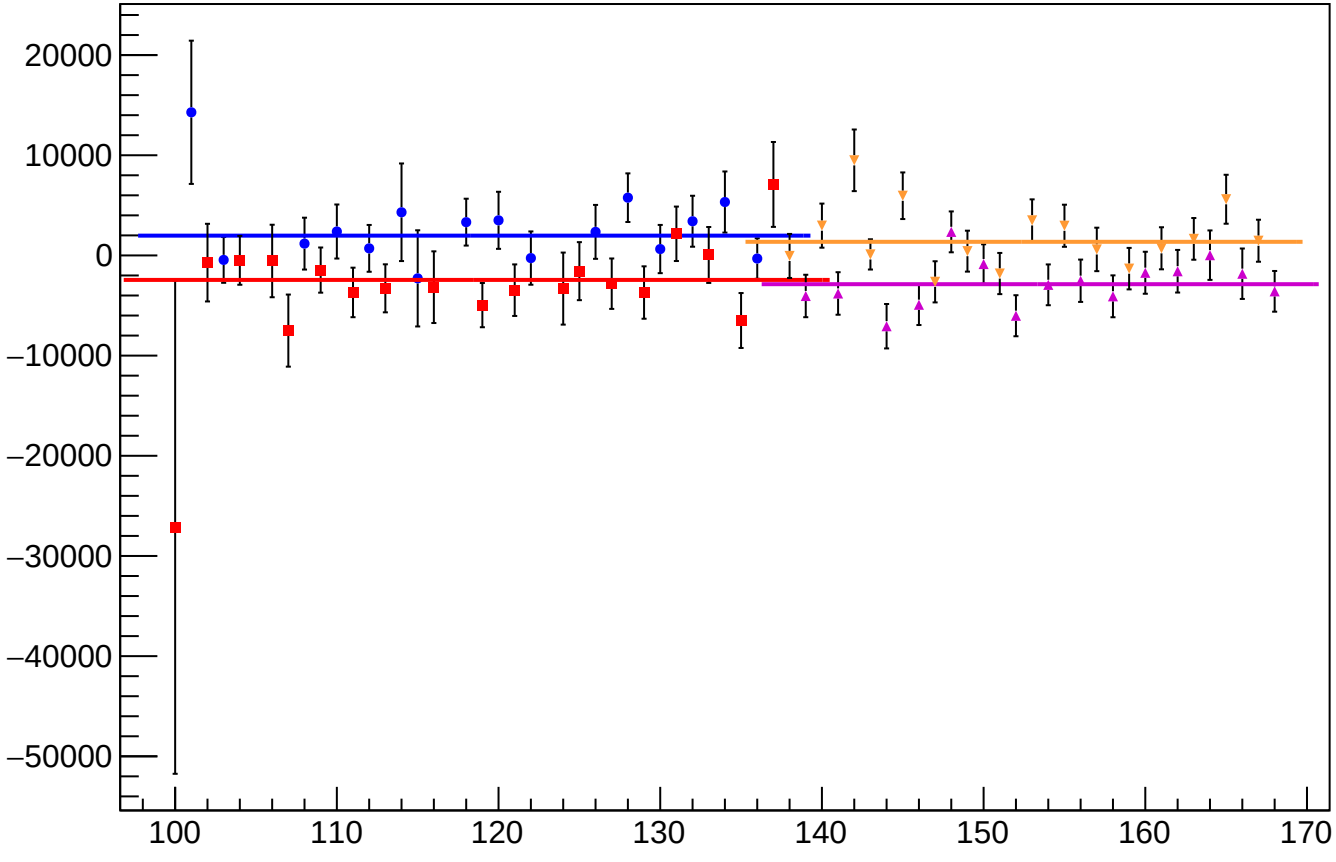
Left In: 5087.855+/-1.046 χ^2/NDF:985353.7/14

+ sign 2507.250+/-0.484 χ^2/NDF: 12492706.6/31

All: 2328.503+/-0.335 χ^2/NDF: 30291304.1/6

- sign 2164.666+/-0.464 χ^2/NDF: 17537454.8/33

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1359.854+/-526.462 χ^2/NDF:25.5/15

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

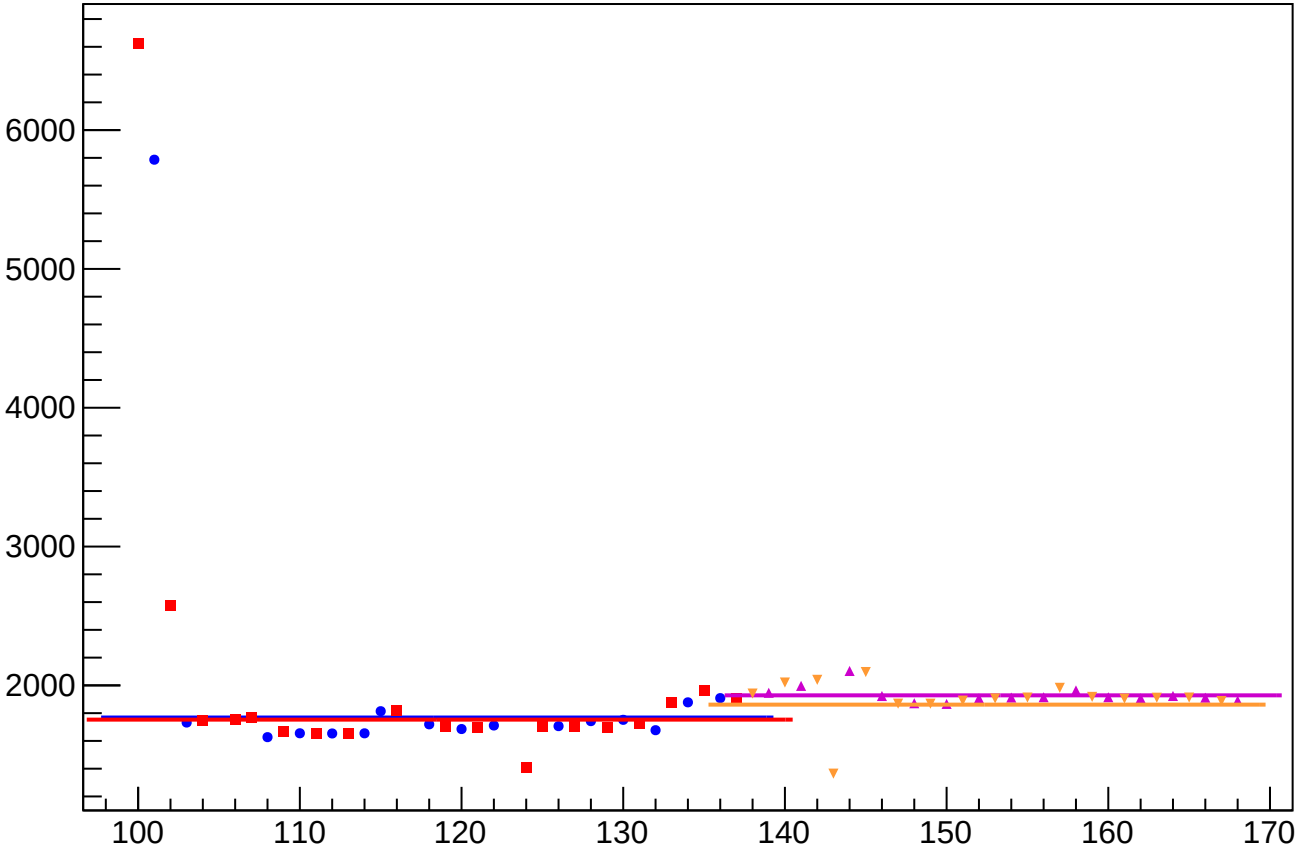
Left In: -2870.774+/-547.604 χ^2/NDF:17.8/14

+ sign 1593.217+/-414.915 χ^2/NDF: 38.4/31

All: -521.112+/-295.457 χ^2/NDF: 126.6/65

- sign -2696.123+/-420.827 χ^2/NDF: 35.5/33

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1861.351+/-0.372 χ^2/NDF:270381.2/15

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

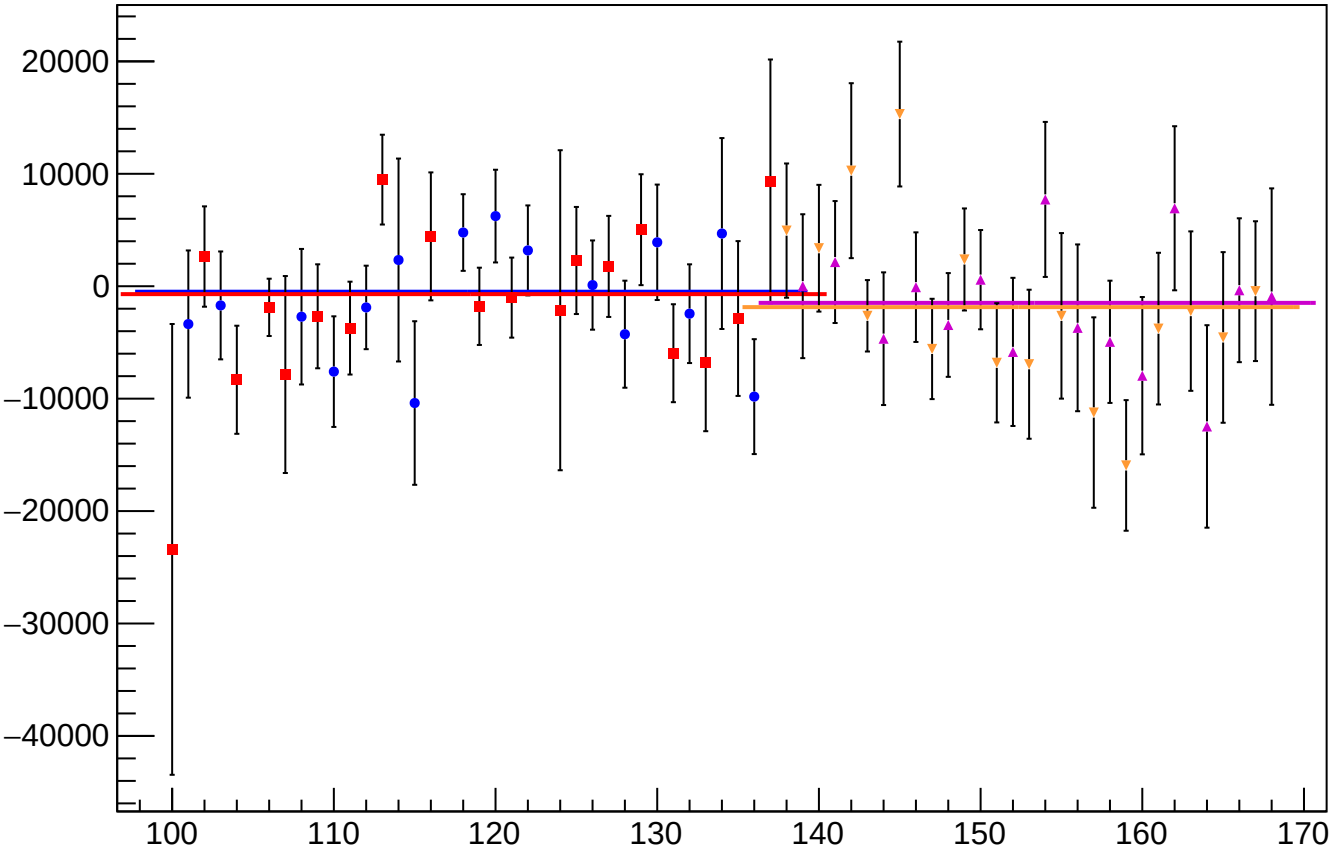
Left In: 1928.343+/-0.387 χ^2/NDF:20365.1/14

+ sign 1826.165+/-0.293 χ^2/NDF: 961328.7/31

All: 1841.127+/-0.209 χ^2/NDF: 1289679.7/65

- sign 1856.484+/-0.297 χ^2/NDF: 323081.0/33

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1859.851+/-1409.310 χ^2/NDF:22.2/15

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

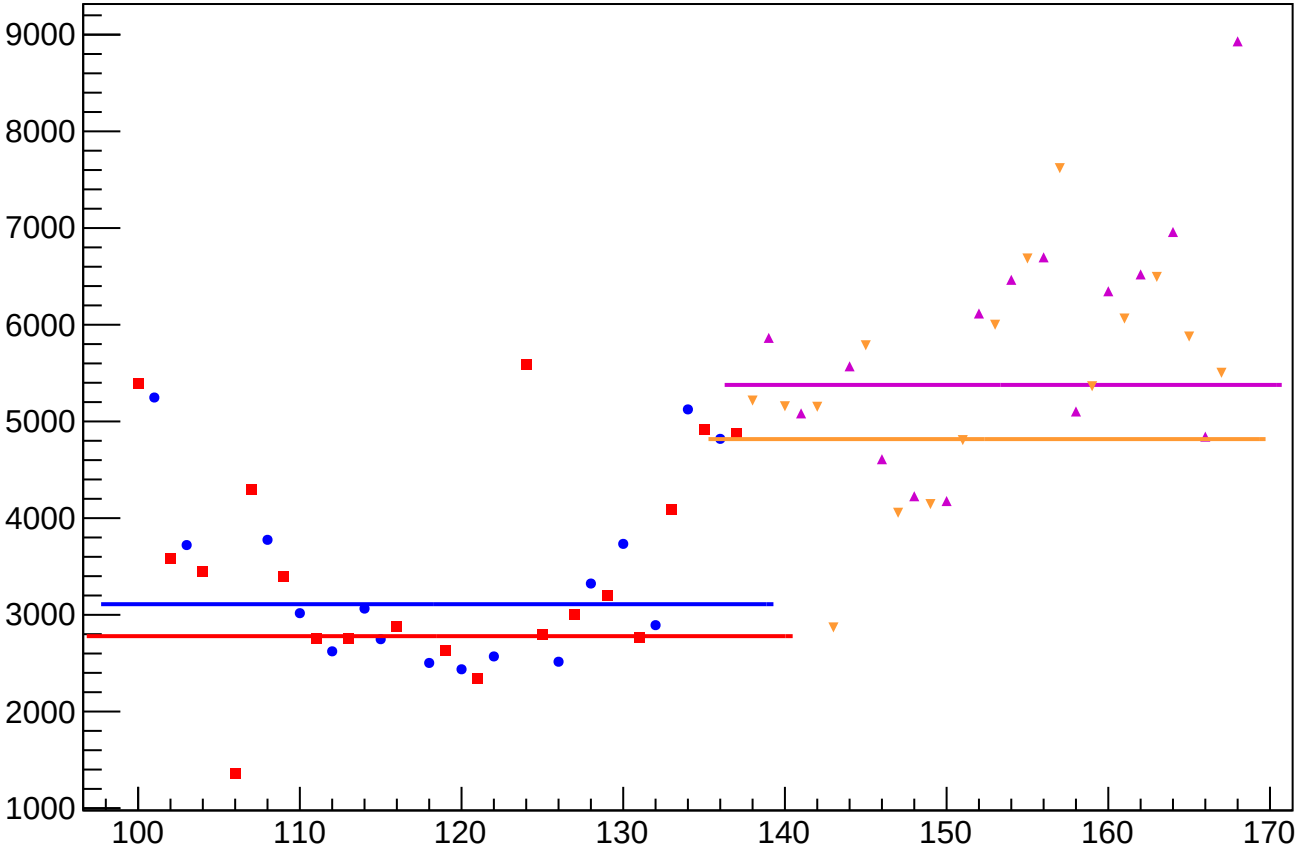
Left In: -1480.822+/-1561.124 χ^2/NDF:7.7/14

\+ sign -1063.811+/-912.999 χ^2/NDF: 38.5/31

All: -1005.819+/-634.452 χ^2/NDF: 65.2/65

\- sign -951.663+/-882.289 χ^2/NDF: 26.7/33

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4817.373+/-0.997 χ^2/NDF:1591854.6/15

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

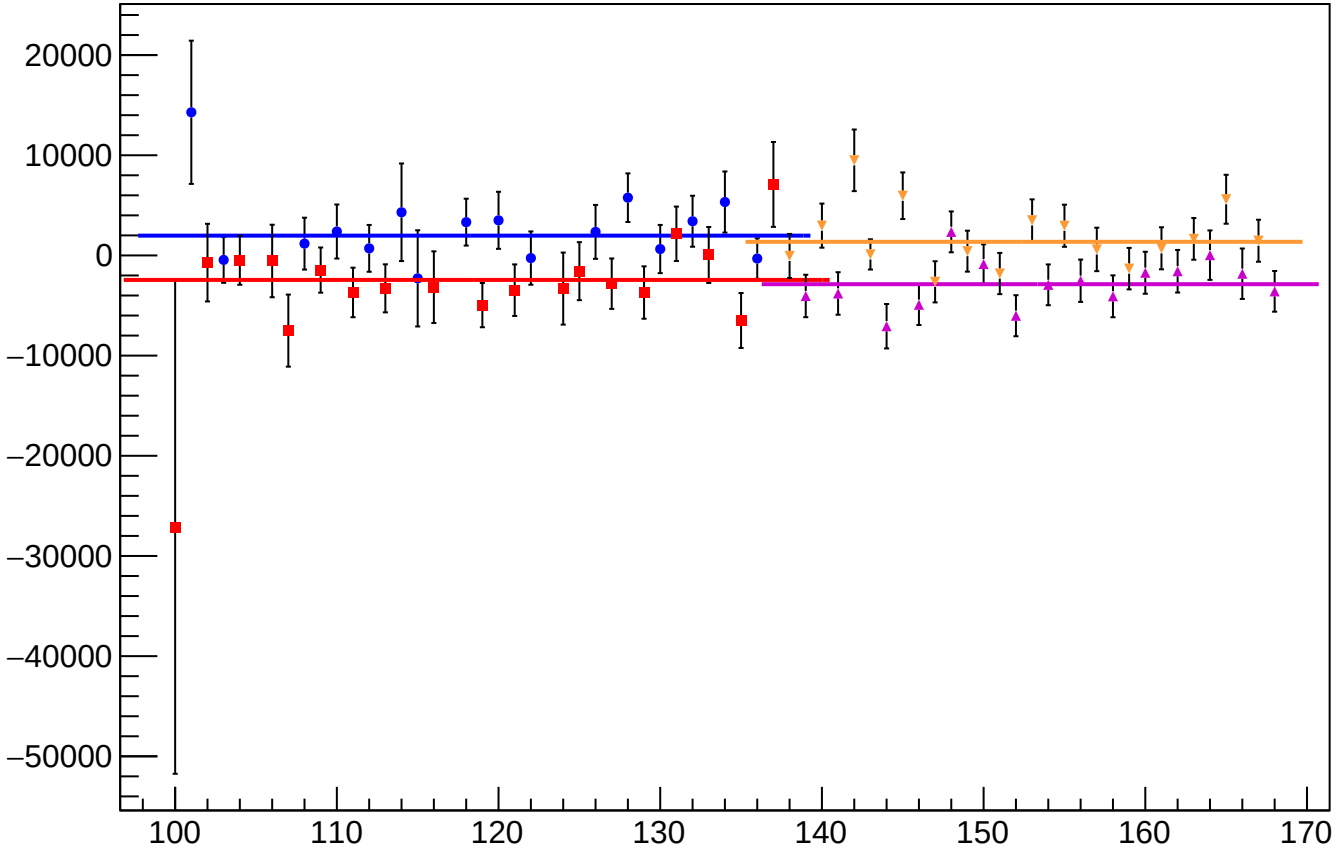
Left In: 5377.784+/-1.104 χ^2/NDF:920500.2/14

+ sign 3826.643+/-0.646 χ^2/NDF: 4178322.2/31

All: 3714.359+/-0.449 χ^2/NDF: 10275723.0/6

- sign 3609.503+/-0.624 χ^2/NDF: 6038902.3/33

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1359.849+/-526.462 χ^2/NDF:25.5/15

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

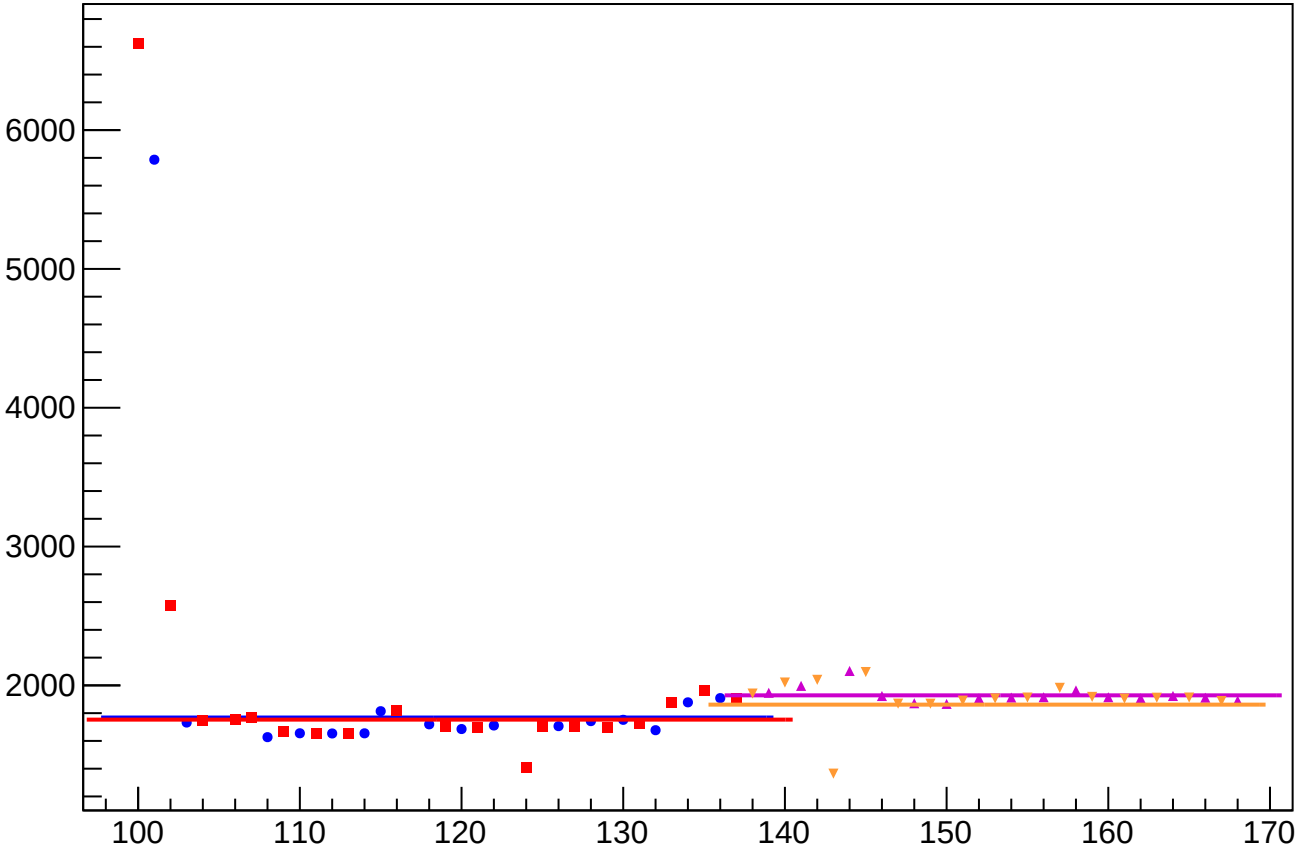
Left In: -2870.774+/-547.604 χ^2/NDF:17.8/14

+ sign 1593.215+/-414.915 χ^2/NDF: 38.4/31

All: -521.113+/-295.457 χ^2/NDF: 126.6/65

- sign -2696.123+/-420.827 χ^2/NDF: 35.5/33

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1861.352+/-0.372 χ^2/NDF:270382.6/15

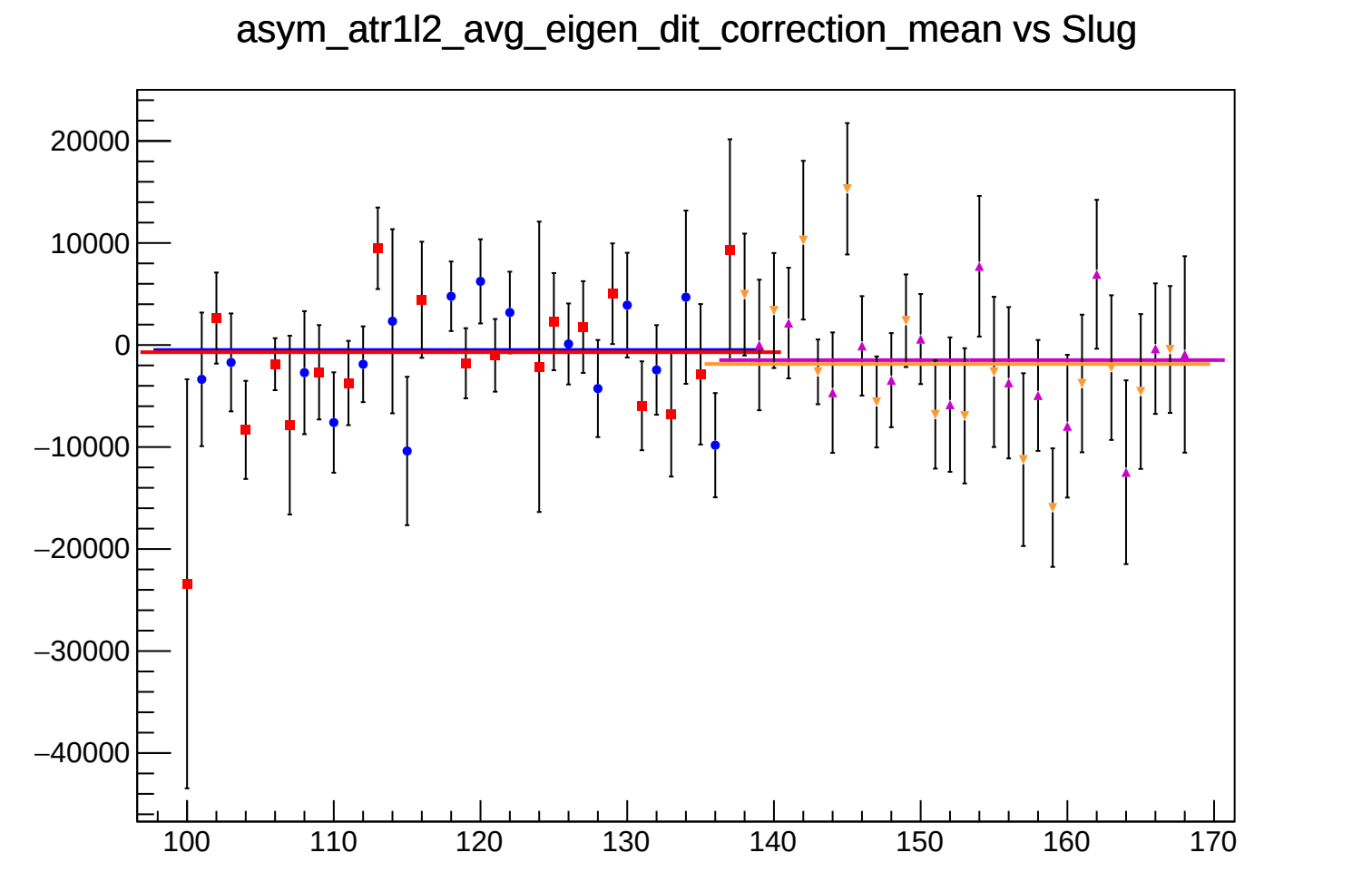
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1928.344+/-0.387 χ^2/NDF:20365.4/14

+ sign 1826.166+/-0.293 χ^2/NDF: 961330.6/31

All: 1841.127+/-0.209 χ^2/NDF: 1289683.0/65

- sign 1856.485+/-0.297 χ^2/NDF: 323082.5/33



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1859.857+/-1409.312 χ^2/NDF:22.2/15

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

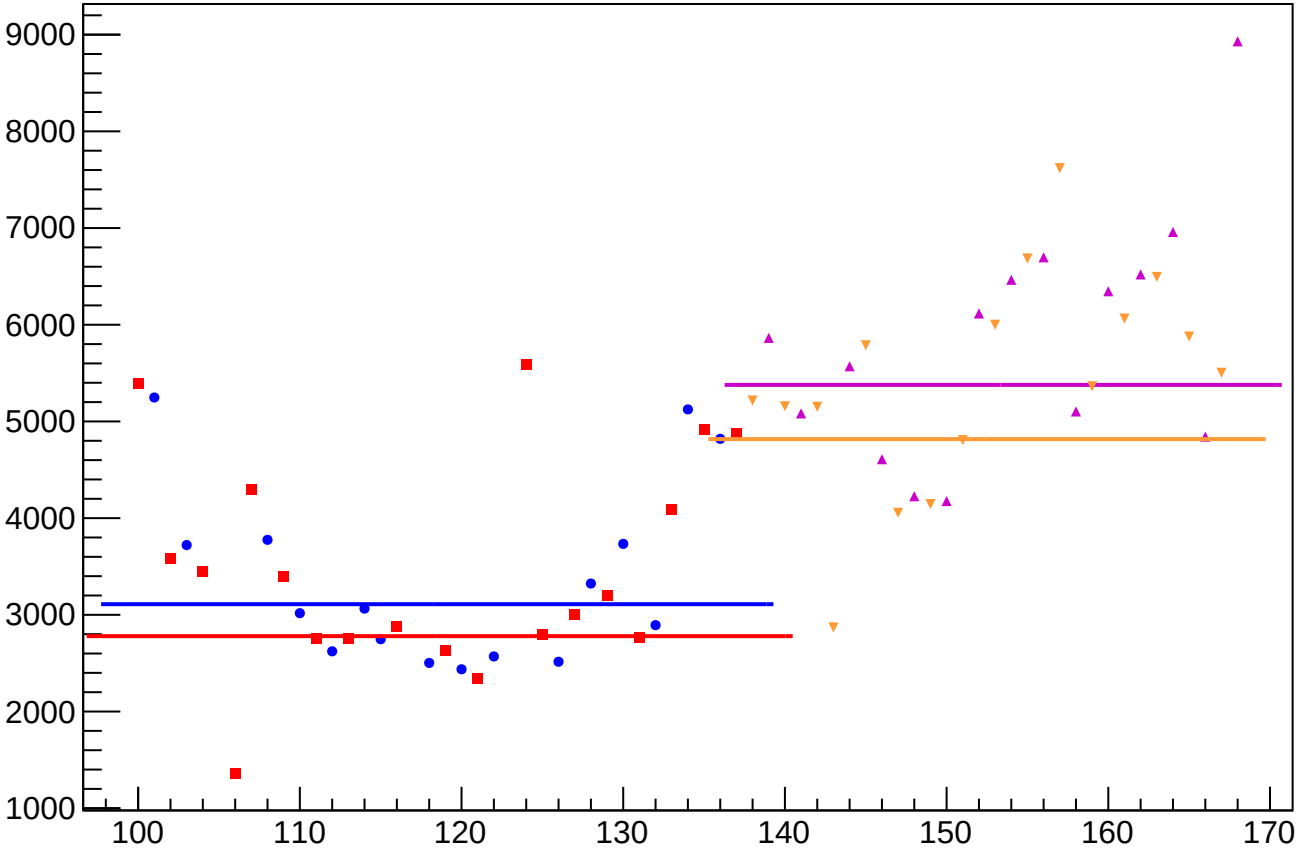
Left In: -1480.822+/-1561.126 χ^2/NDF:7.7/14

+ sign -1063.807+/-912.998 χ^2/NDF: 38.5/31

All: -1005.817+/-634.450 χ^2/NDF: 65.2/65

- sign -951.663+/-882.287 χ^2/NDF: 26.7/33

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4817.377+/-0.997 χ^2/NDF:1591862.7/15

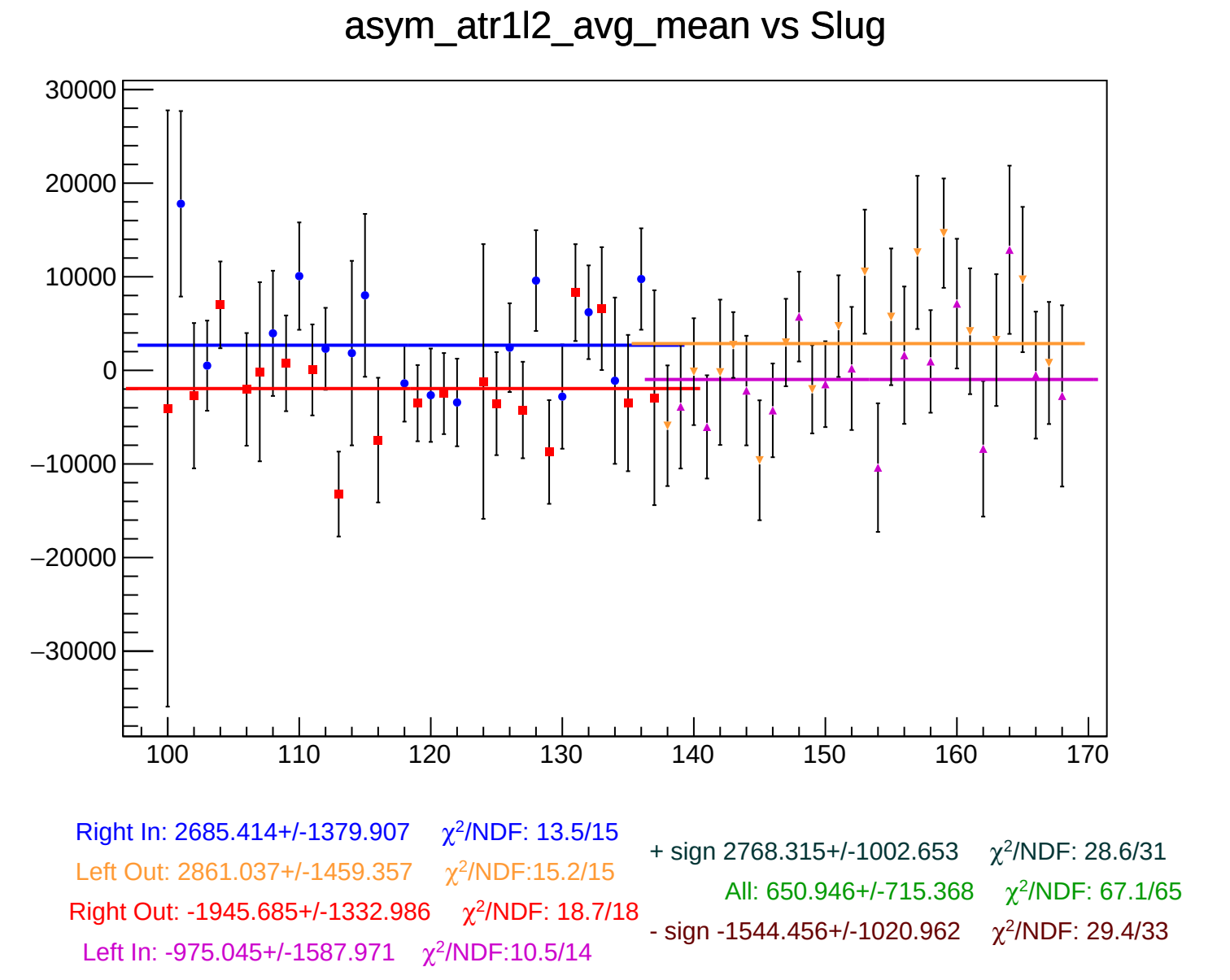
Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5377.790+/-1.104 χ^2/NDF:920503.8/14

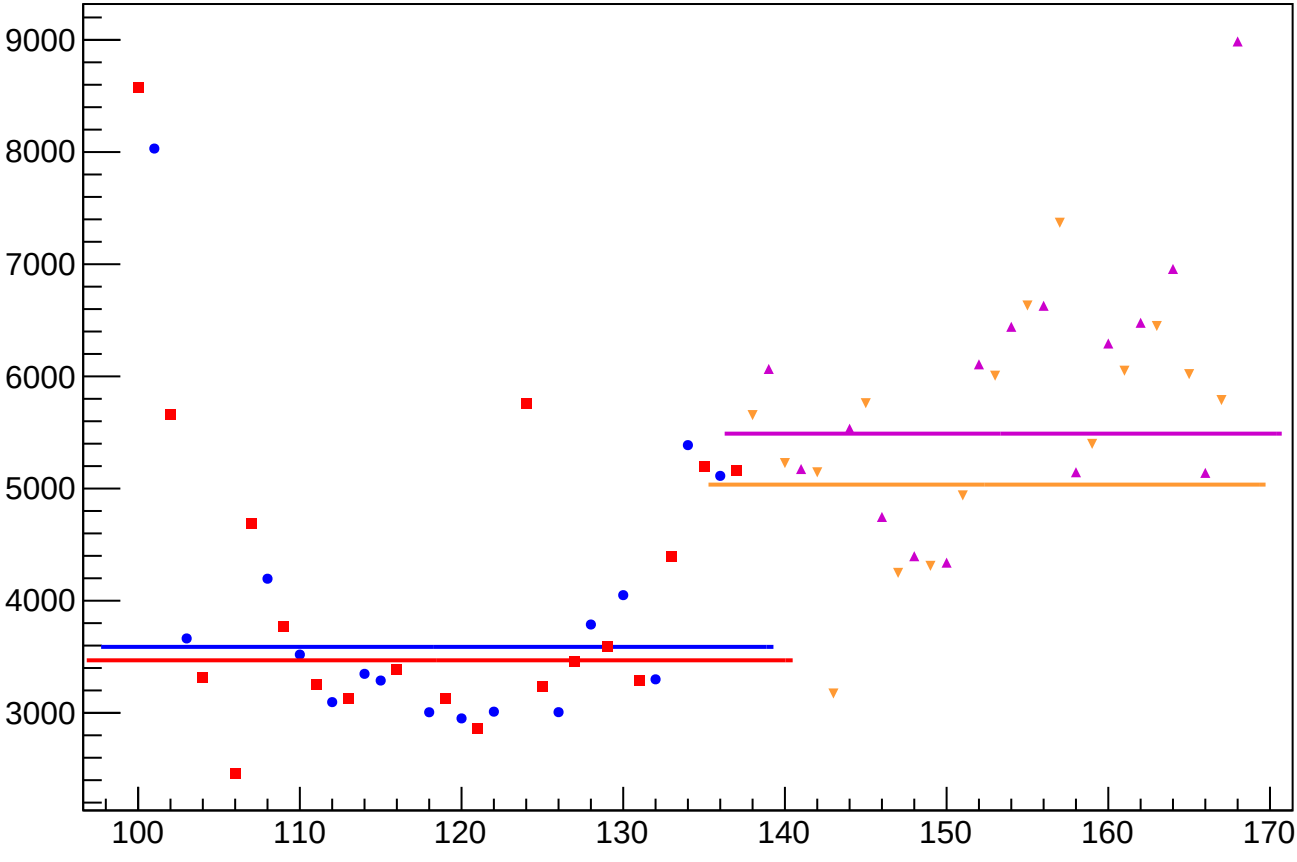
+ sign 3826.635+/-0.646 χ^2/NDF: 4178373.7/31

All: 3714.349+/-0.449 χ^2/NDF: 10275858.2/6

- sign 3609.490+/-0.624 χ^2/NDF: 6038983.5/33


asym_atr1l2_avg_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: 2685.414+/-1379.907 χ²/NDF: 13.5/15
Left Out: 2861.037+/-1459.357 χ²/NDF:15.2/15
Right Out: -1945.685+/-1332.986 χ²/NDF: 18.7/18
Left In: -975.045+/-1587.971 χ²/NDF:10.5/14
+ sign 2768.315+/-1002.653 χ²/NDF: 28.6/31
All: 650.946+/-715.368 χ²/NDF: 67.1/65
- sign -1544.456+/-1020.962 χ²/NDF: 29.4/33

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5035.142+/-1.032 χ^2/NDF:1208029.1/15

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

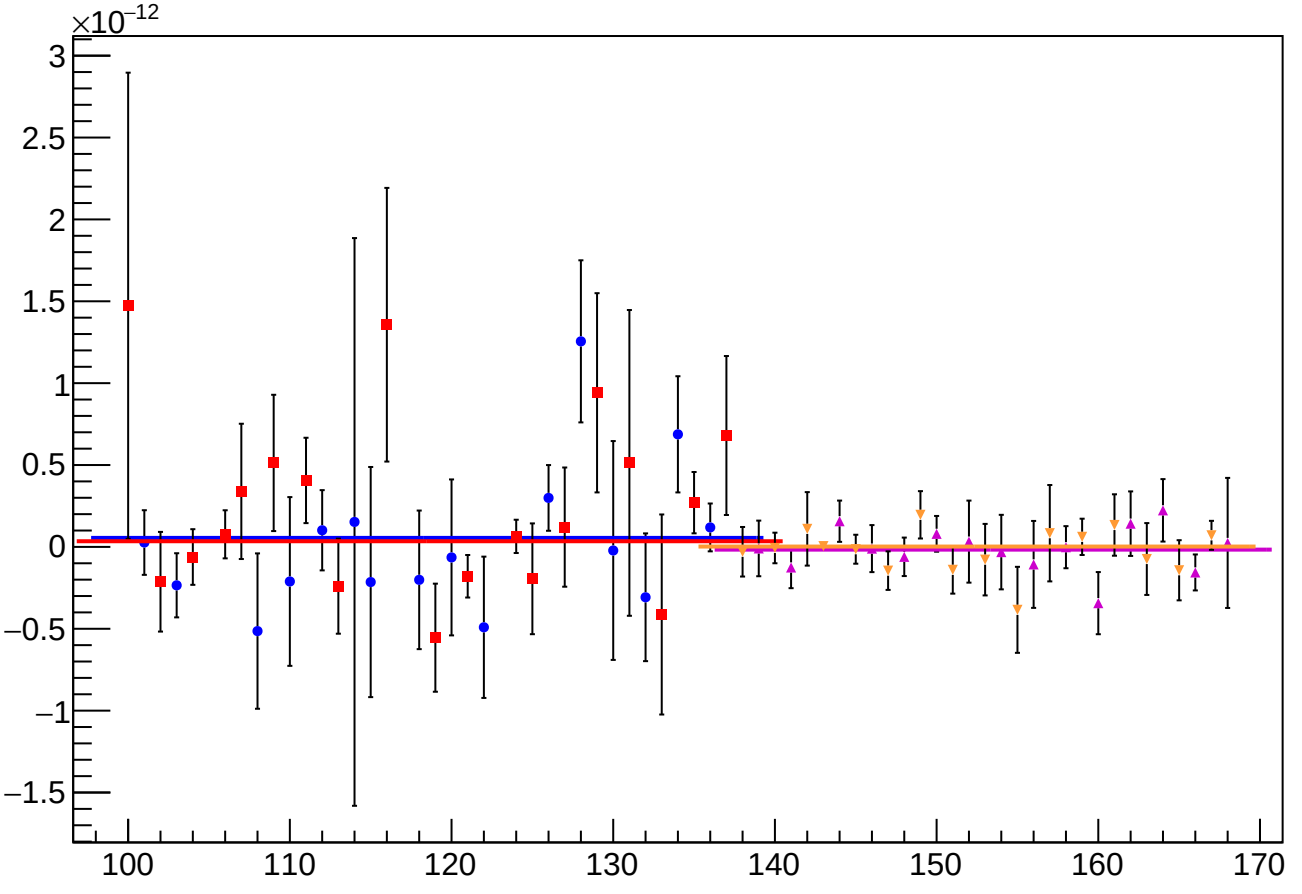
Left In: 5489.482+/-1.123 χ^2/NDF:791205.5/14

+ sign 4271.333+/-0.709 χ^2/NDF: 3090950.6/31

All: 4280.096+/-0.504 χ^2/NDF: 6473114.8/65

- sign 4289.019+/-0.715 χ^2/NDF: 3381855.9/33

asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/15

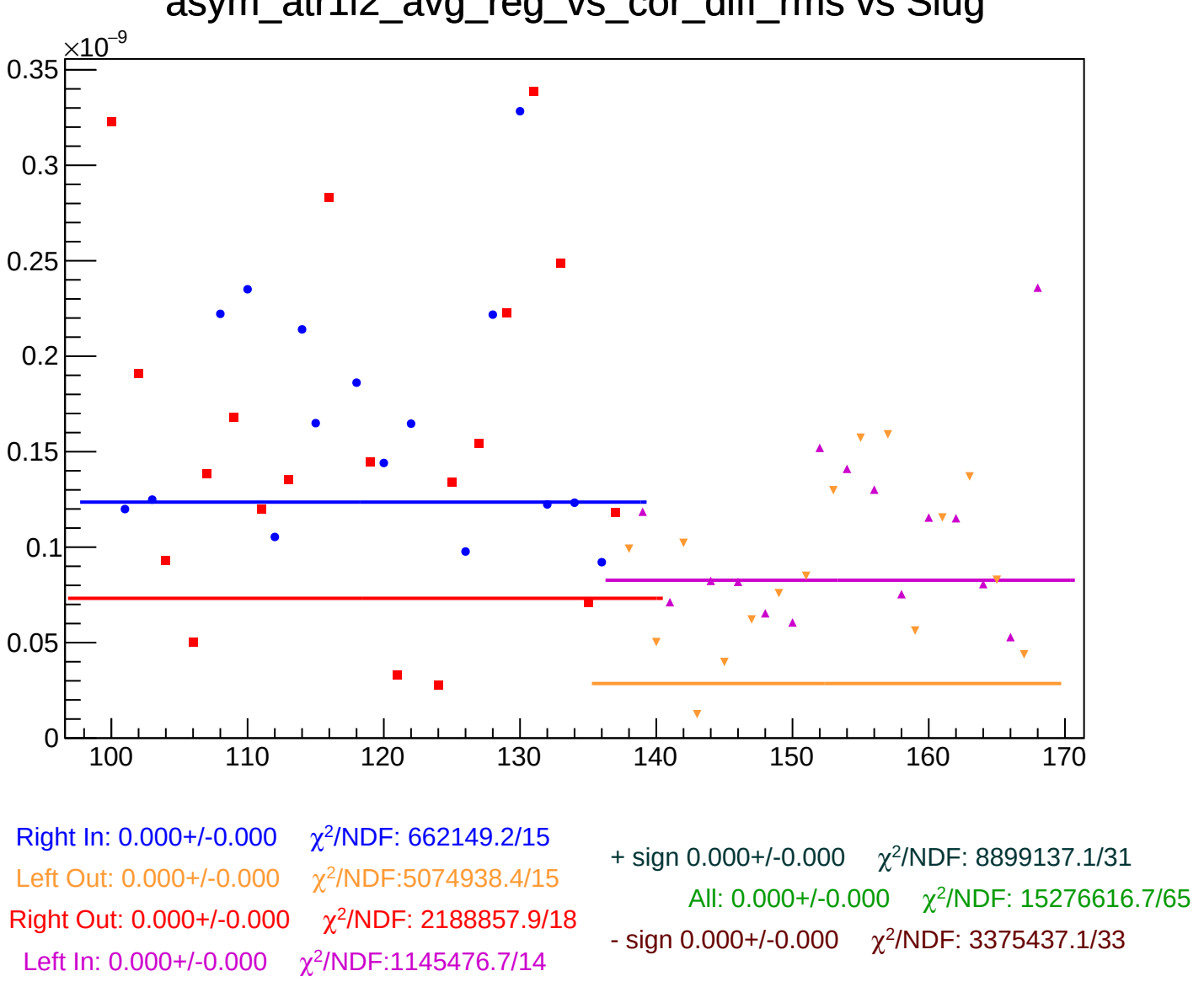
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/14

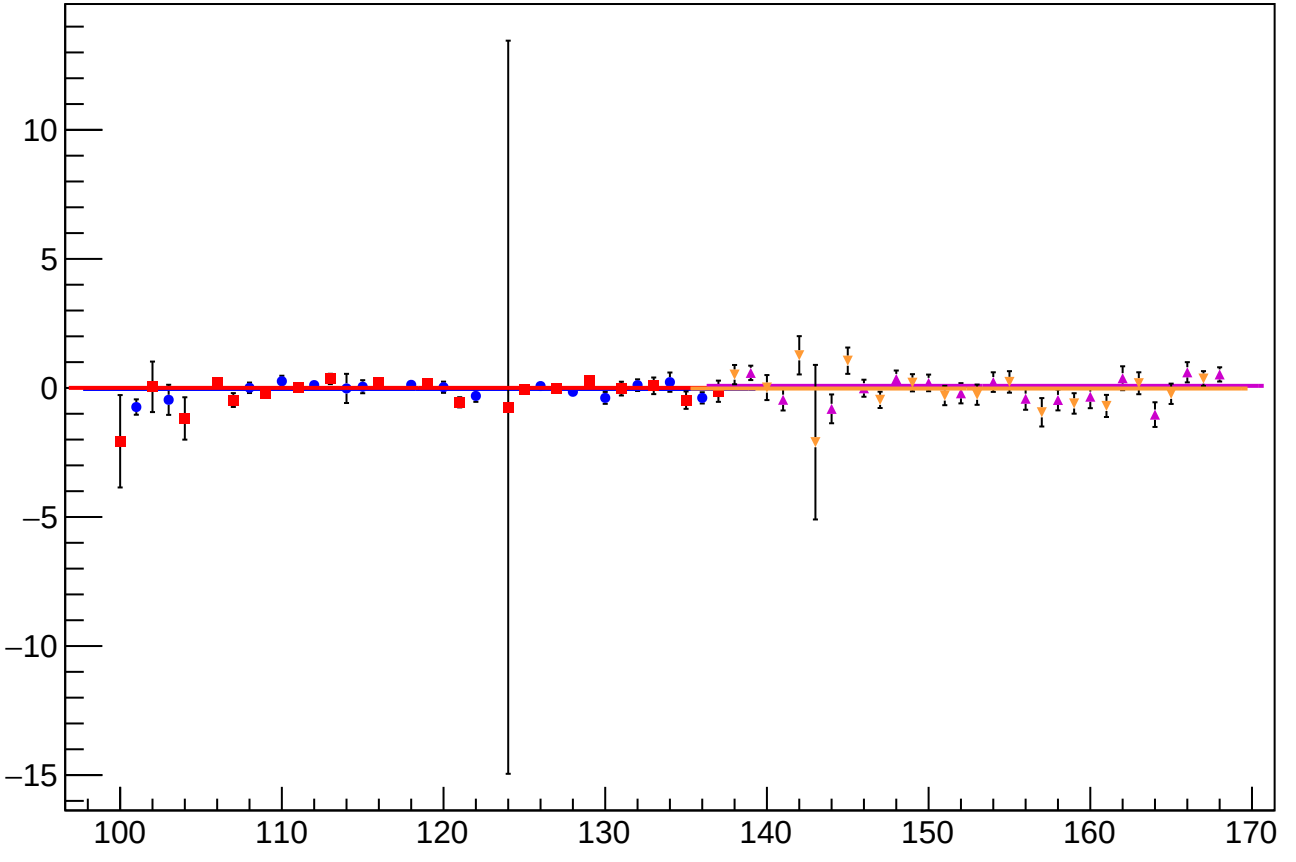
+ sign 0.000+/-0.000 χ^2/NDF: 27.4/31

All: 0.000+/-0.000 χ^2/NDF: 60.8/65

- sign 0.000+/-0.000 χ^2/NDF: 33.4/33


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 662149.2/15
Left Out: 0.000+/-0.000 χ²/NDF:5074938.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 2188857.9/18
Left In: 0.000+/-0.000 χ²/NDF:1145476.7/14
+ sign 0.000+/-0.000 χ²/NDF: 8899137.1/31
All: 0.000+/-0.000 χ²/NDF: 15276616.7/65
- sign 0.000+/-0.000 χ²/NDF: 3375437.1/33

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.023+/-0.103 χ^2/NDF:23.4/15

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

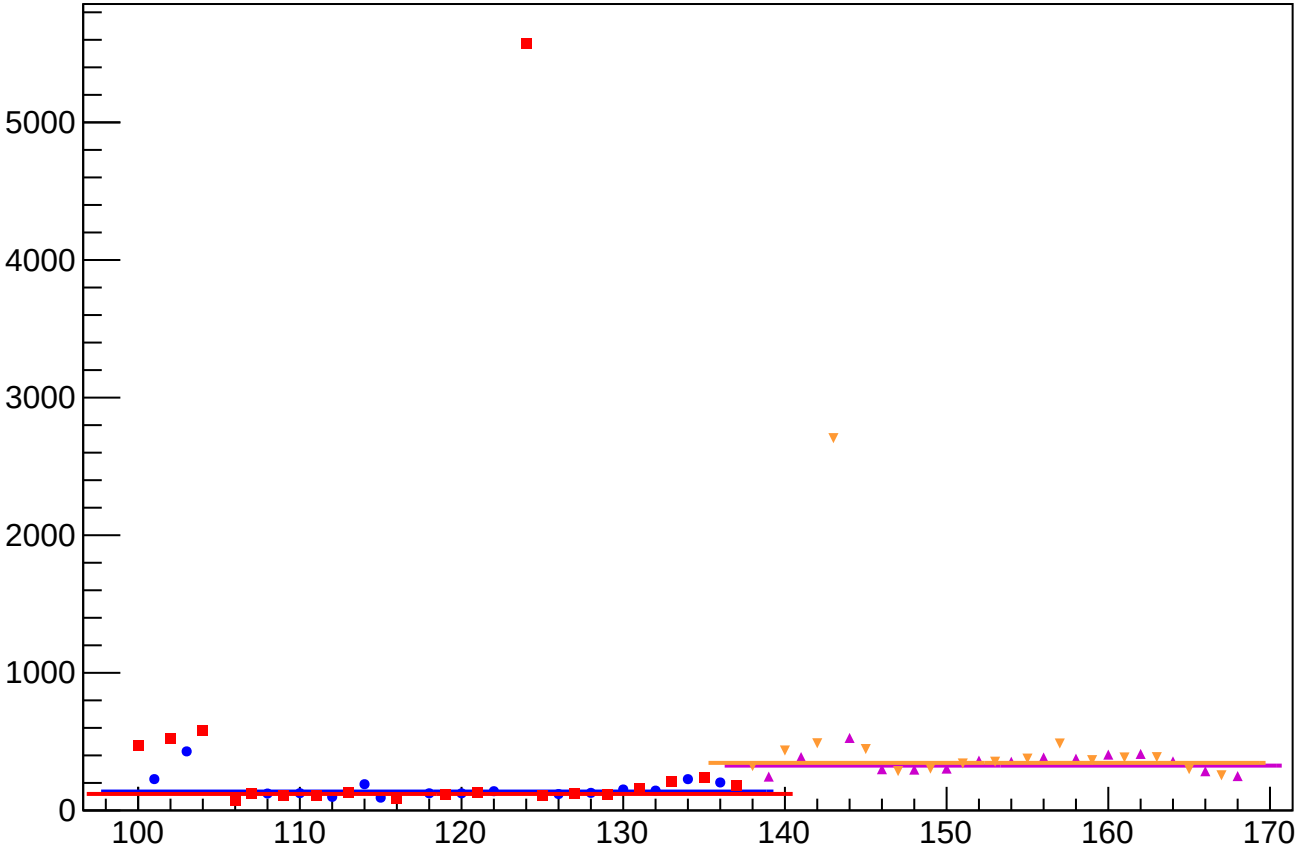
Left In: 0.081+/-0.096 χ^2/NDF:23.3/14

+ sign -0.036+/-0.049 χ^2/NDF: 41.3/31

All: -0.005+/-0.033 χ^2/NDF: 94.6/65

- sign 0.020+/-0.045 χ^2/NDF: 52.5/33

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 345.703+/-0.073 χ^2/NDF:1980143.0/15

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

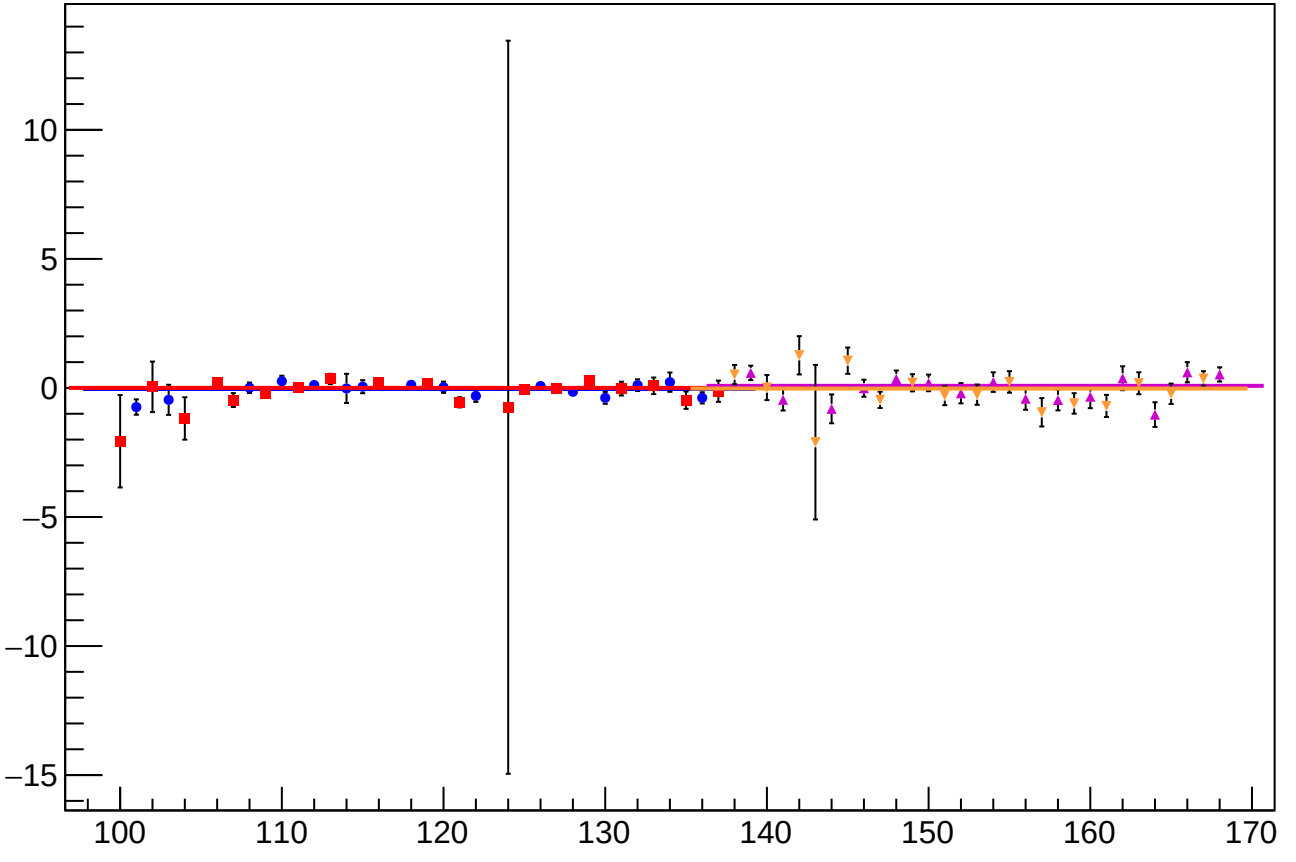
Left In: 325.815+/-0.068 χ^2/NDF:915636.9/14

+ sign 184.862+/-0.035 χ^2/NDF: 9594189.3/31

All: 174.212+/-0.023 χ^2/NDF: 20005160.2/65

- sign 165.257+/-0.032 χ^2/NDF: 10237417.0/33

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: -0.023+/-0.103 χ^2/NDF:23.4/15

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

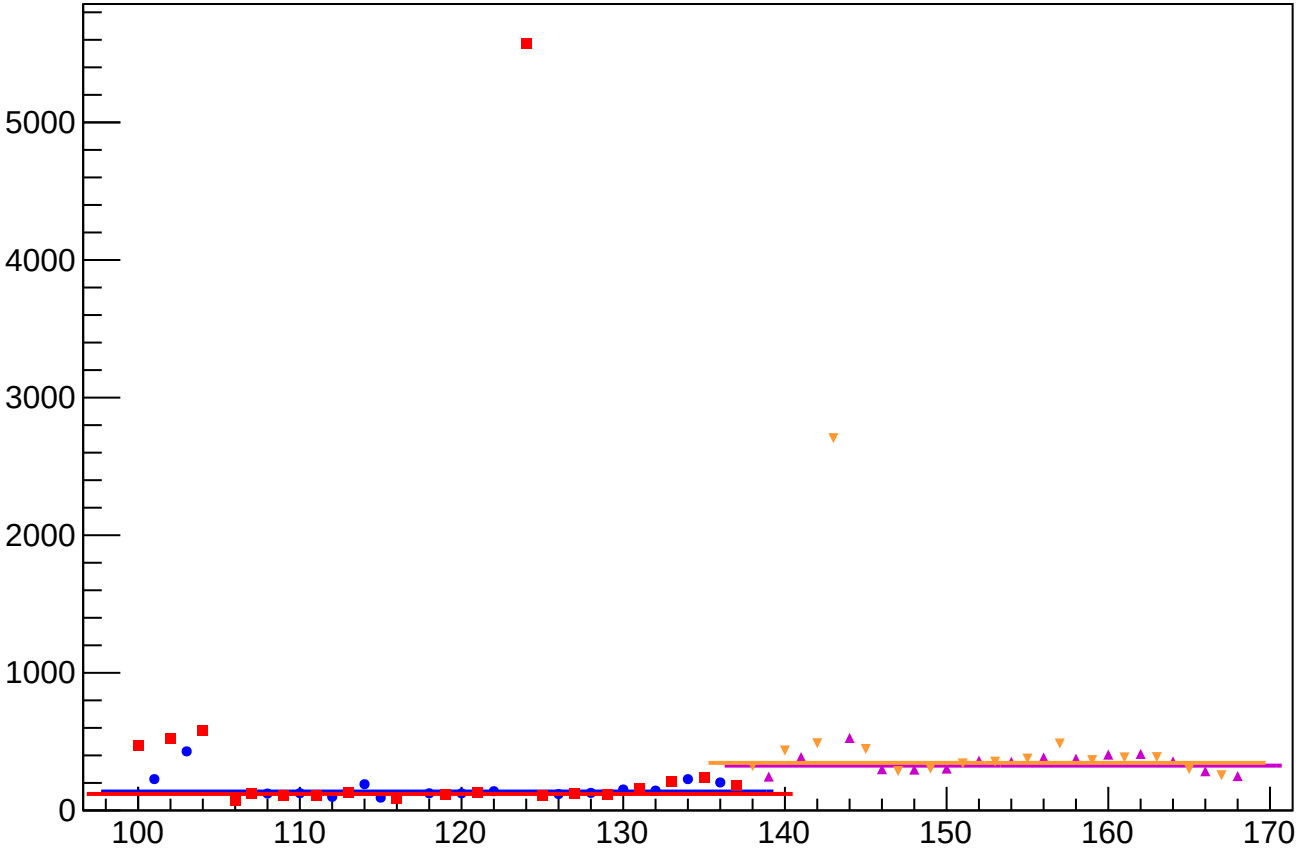
Left In: 0.081+/-0.096 χ^2/NDF:23.3/14

+ sign -0.036+/-0.049 χ^2/NDF: 41.3/31

All: -0.005+/-0.033 χ^2/NDF: 94.6/65

- sign 0.020+/-0.045 χ^2/NDF: 52.5/33

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: 345.703+/-0.073 χ^2/NDF:1980143.0/15

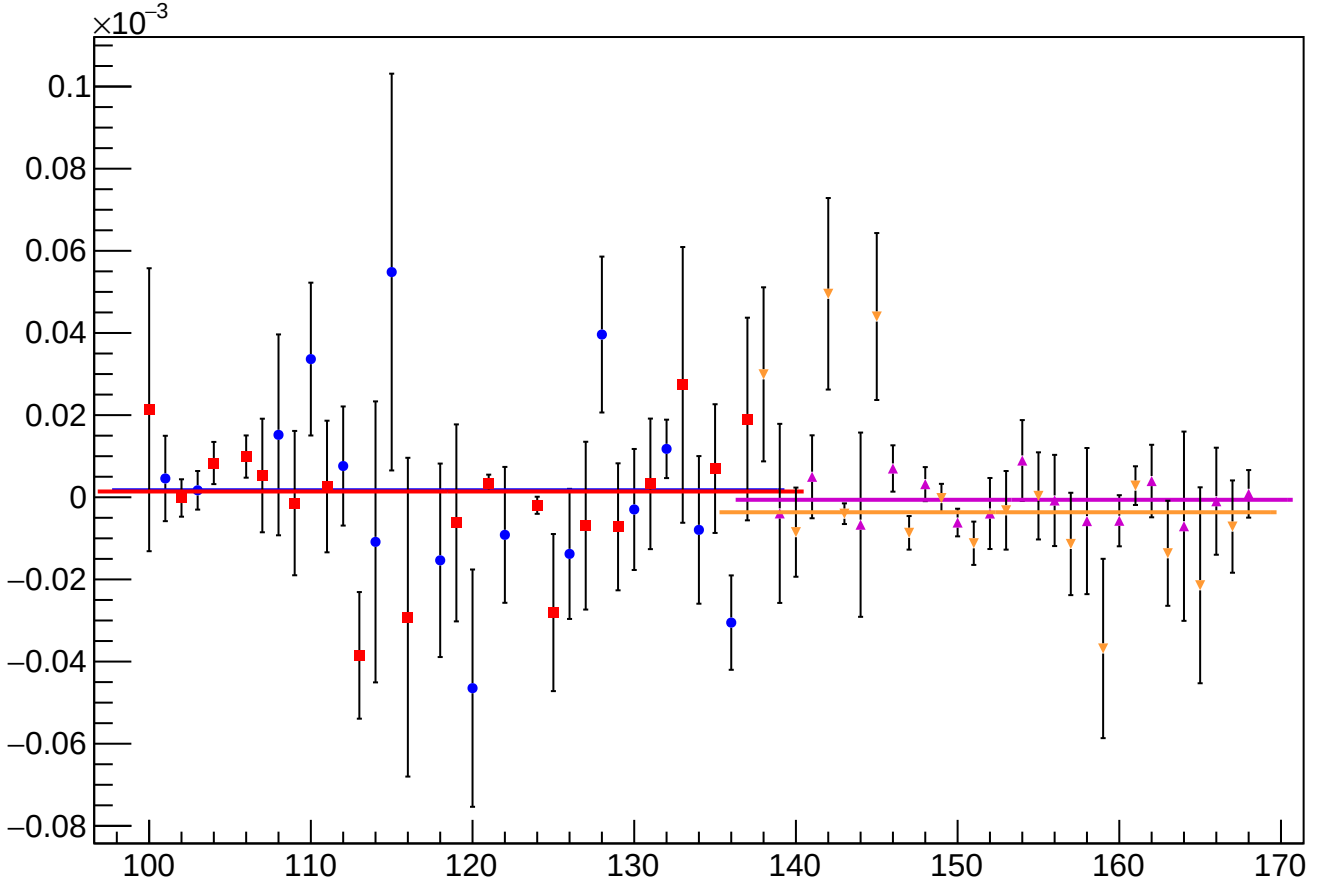
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 325.815+/-0.068 χ^2/NDF:915636.9/14

+ sign 184.862+/-0.035 χ^2/NDF: 9594189.3/31

All: 174.212+/-0.023 χ^2/NDF: 20005160.2/65

- sign 165.257+/-0.032 χ^2/NDF: 10237417.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/15

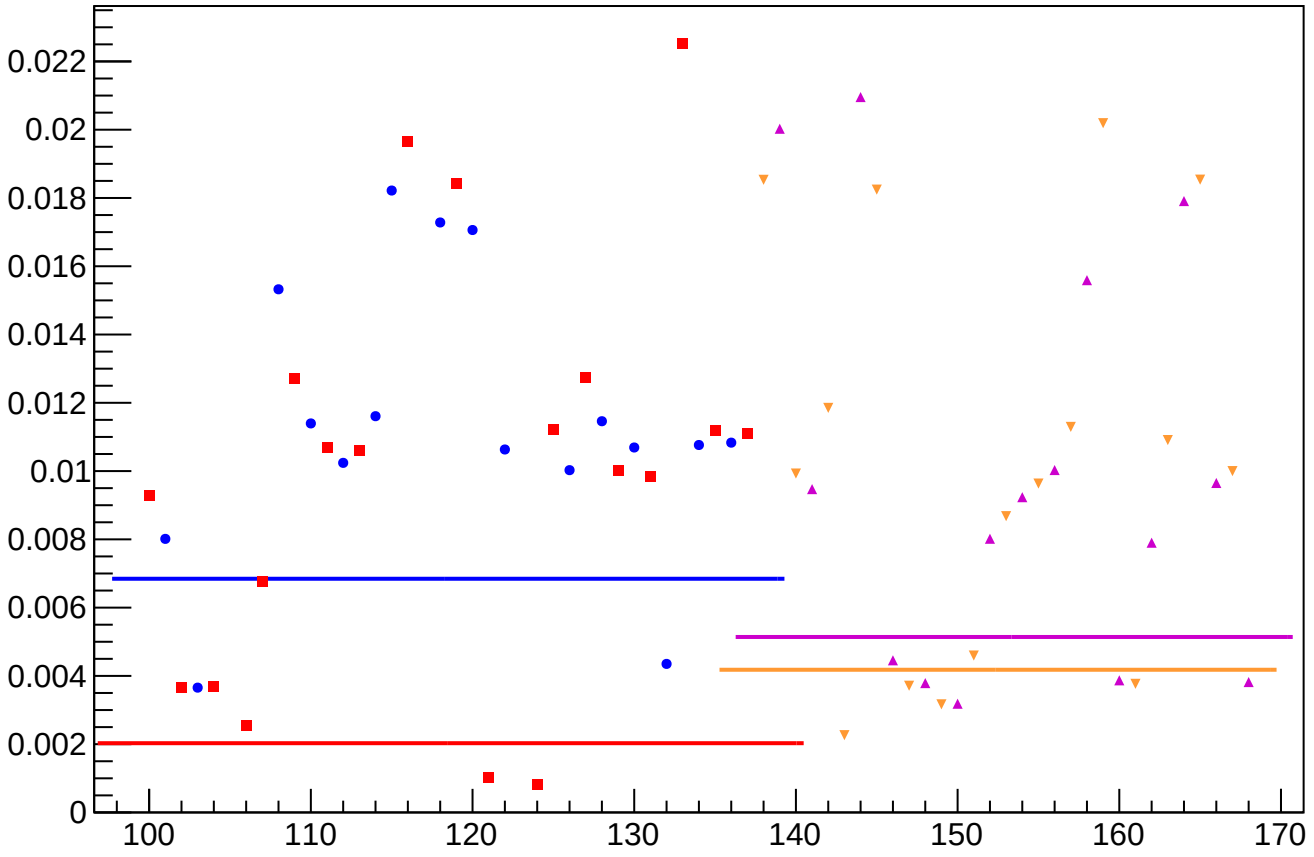
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/14

+ sign -0.000+/-0.000 χ^2/NDF: 50.3/31

All: -0.000+/-0.000 χ^2/NDF: 83.3/65

- sign 0.000+/-0.000 χ^2/NDF: 29.1/33



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:8549161.7/15

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

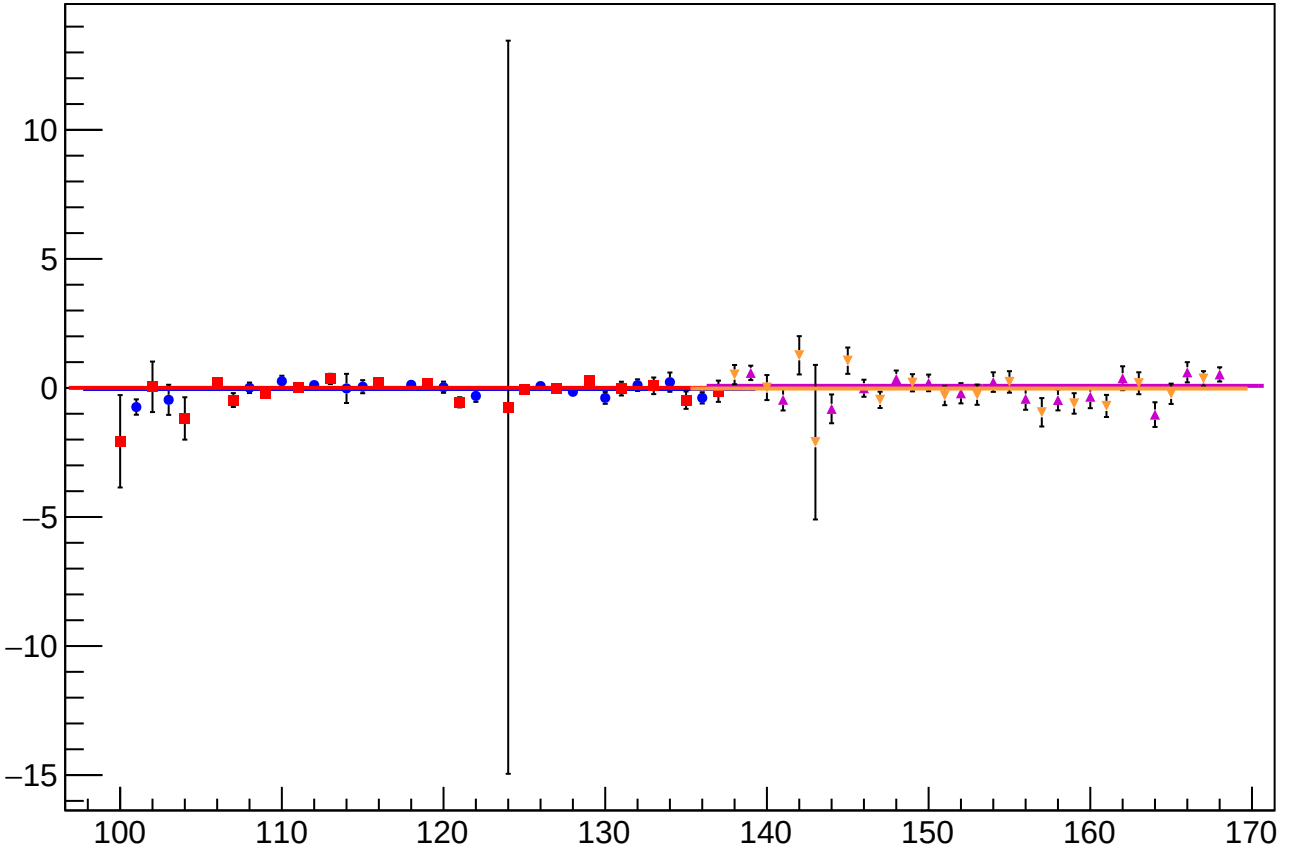
Left In: 0.005+/-0.000 χ^2/NDF:6094333.2/14

+ sign 0.005+/-0.000 χ^2/NDF: 13063003.8/31

All: 0.004+/-0.000 χ^2/NDF: 34124113.6/65

- sign 0.003+/-0.000 χ^2/NDF: 19069986.7/33

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.023+/-0.103 χ^2/NDF:23.4/15

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

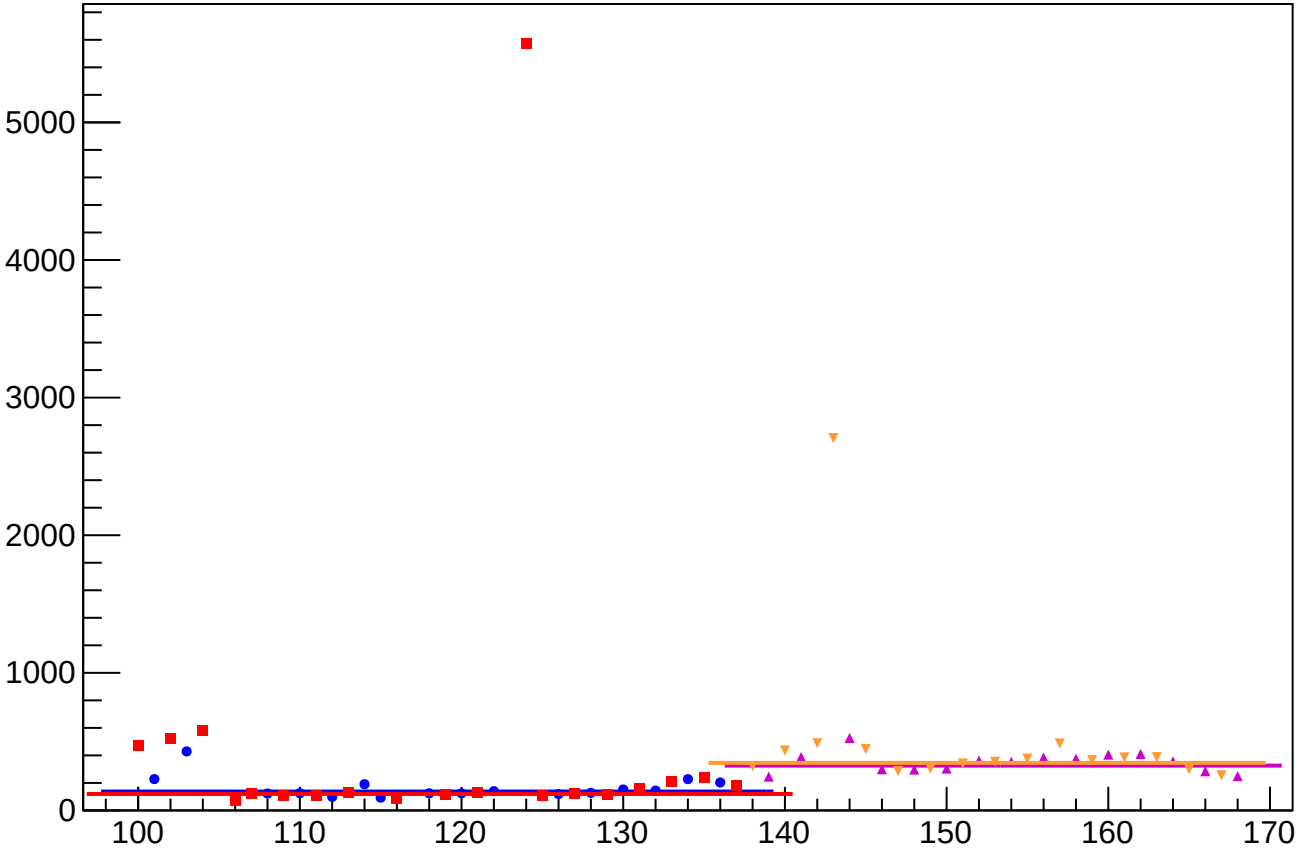
Left In: 0.081+/-0.096 χ^2/NDF:23.3/14

+ sign -0.036+/-0.049 χ^2/NDF: 41.3/31

All: -0.005+/-0.033 χ^2/NDF: 94.6/65

- sign 0.020+/-0.045 χ^2/NDF: 52.5/33

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: 345.707+/-0.073 χ^2/NDF:1980180.5/15

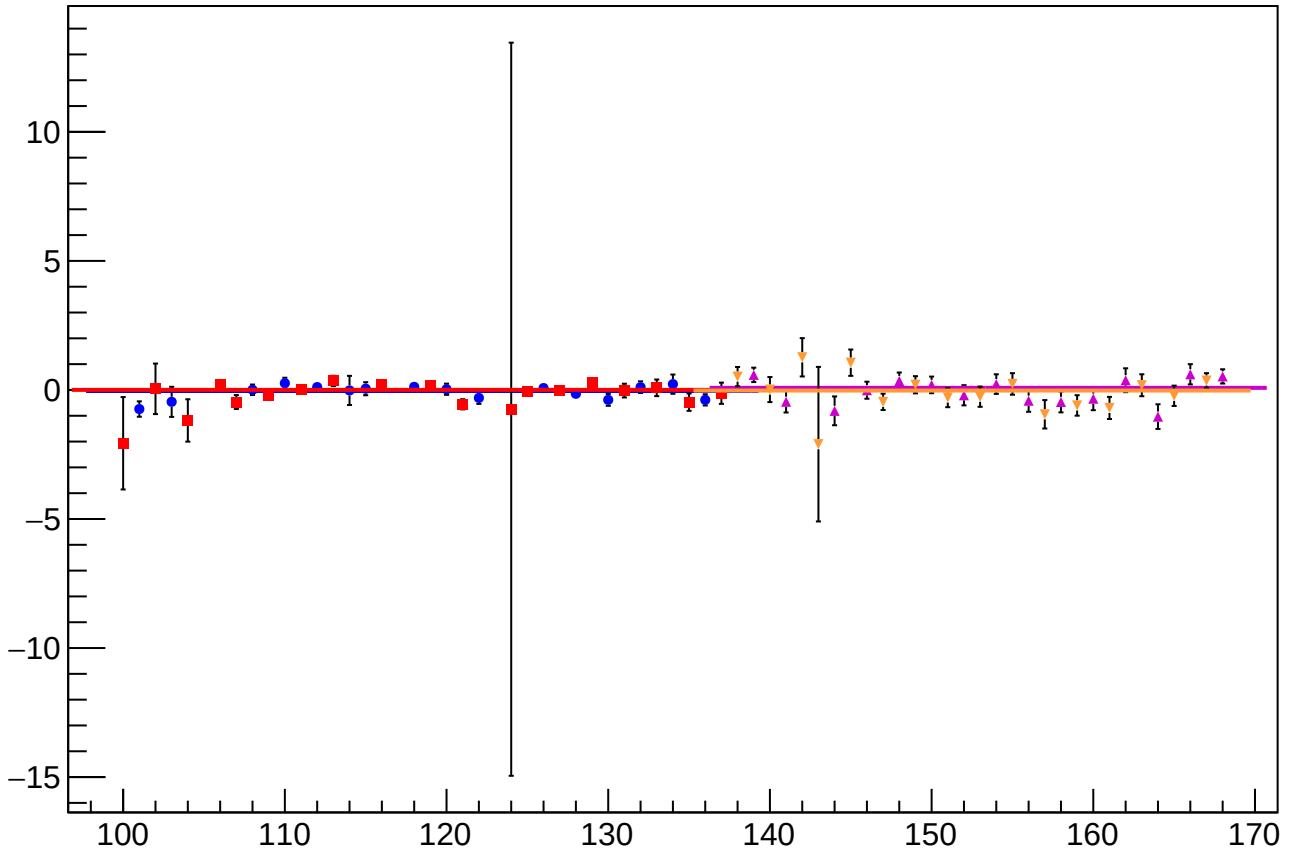
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 325.820+/-0.068 χ^2/NDF:915635.4/14

+ sign 184.863+/-0.035 χ^2/NDF: 9594222.2/31

All: 174.213+/-0.023 χ^2/NDF: 20005304.4/65

- sign 165.257+/-0.032 χ^2/NDF: 10237508.6/33



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.023+/-0.103 χ^2/NDF:23.4/15

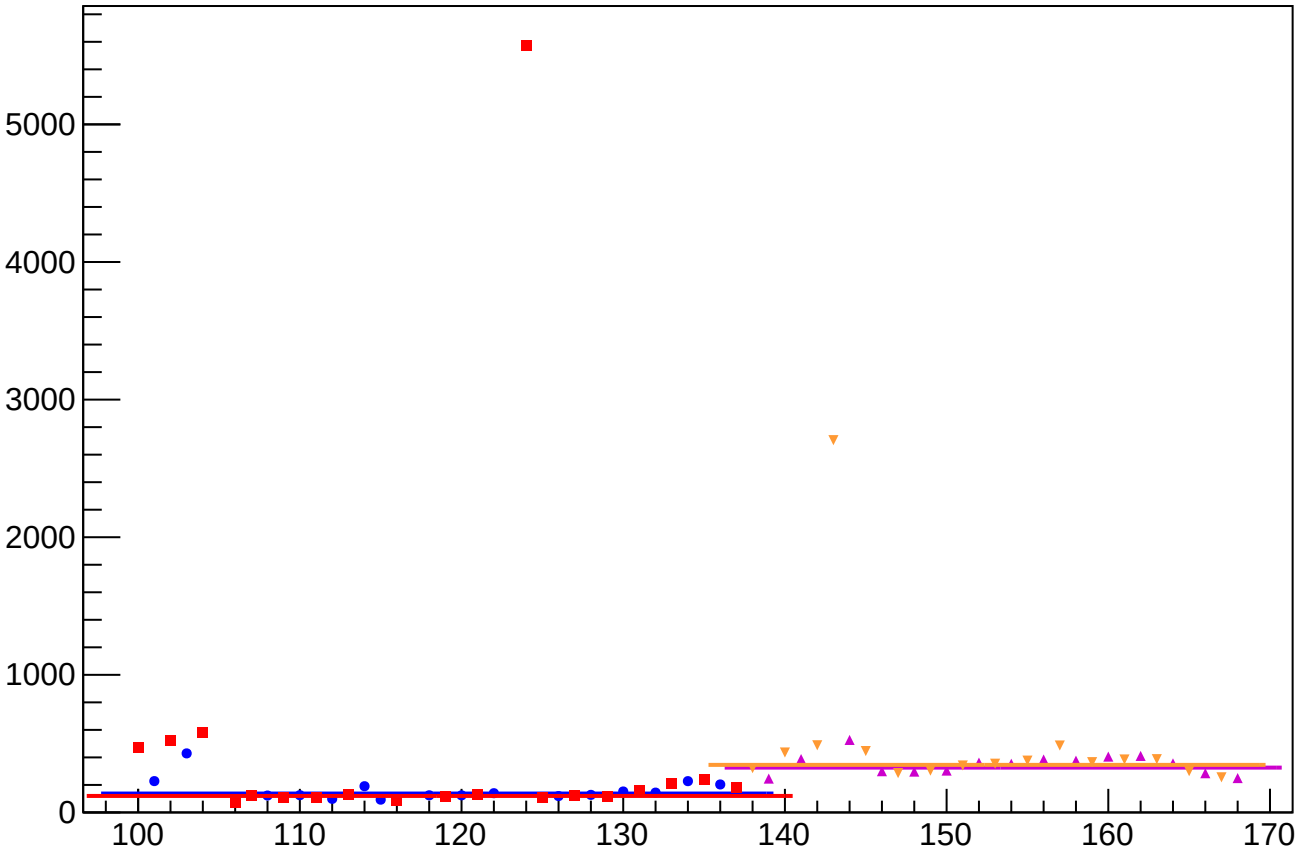
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.081+/-0.096 χ^2/NDF:23.3/14

+ sign -0.036+/-0.049 χ^2/NDF: 41.3/31

All: -0.005+/-0.033 χ^2/NDF: 94.6/65

- sign 0.020+/-0.045 χ^2/NDF: 52.5/33



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 345.707+/-0.073 χ^2/NDF:1980180.5/15

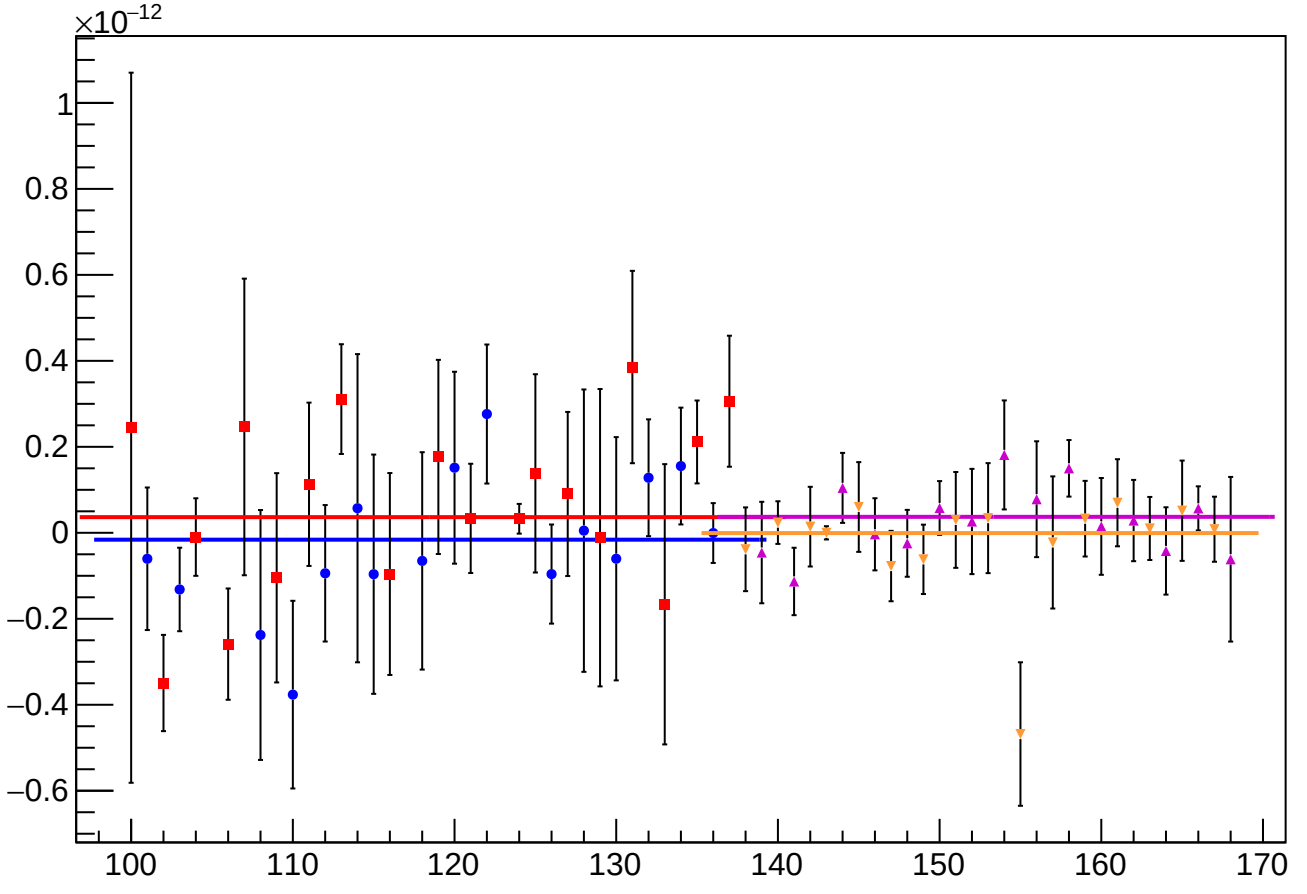
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 325.820+/-0.068 χ^2/NDF:915635.4/14

+ sign 184.863+/-0.035 χ^2/NDF: 9594222.2/31

All: 174.213+/-0.023 χ^2/NDF: 20005304.4/65

- sign 165.257+/-0.032 χ^2/NDF: 10237508.6/33



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.1/15

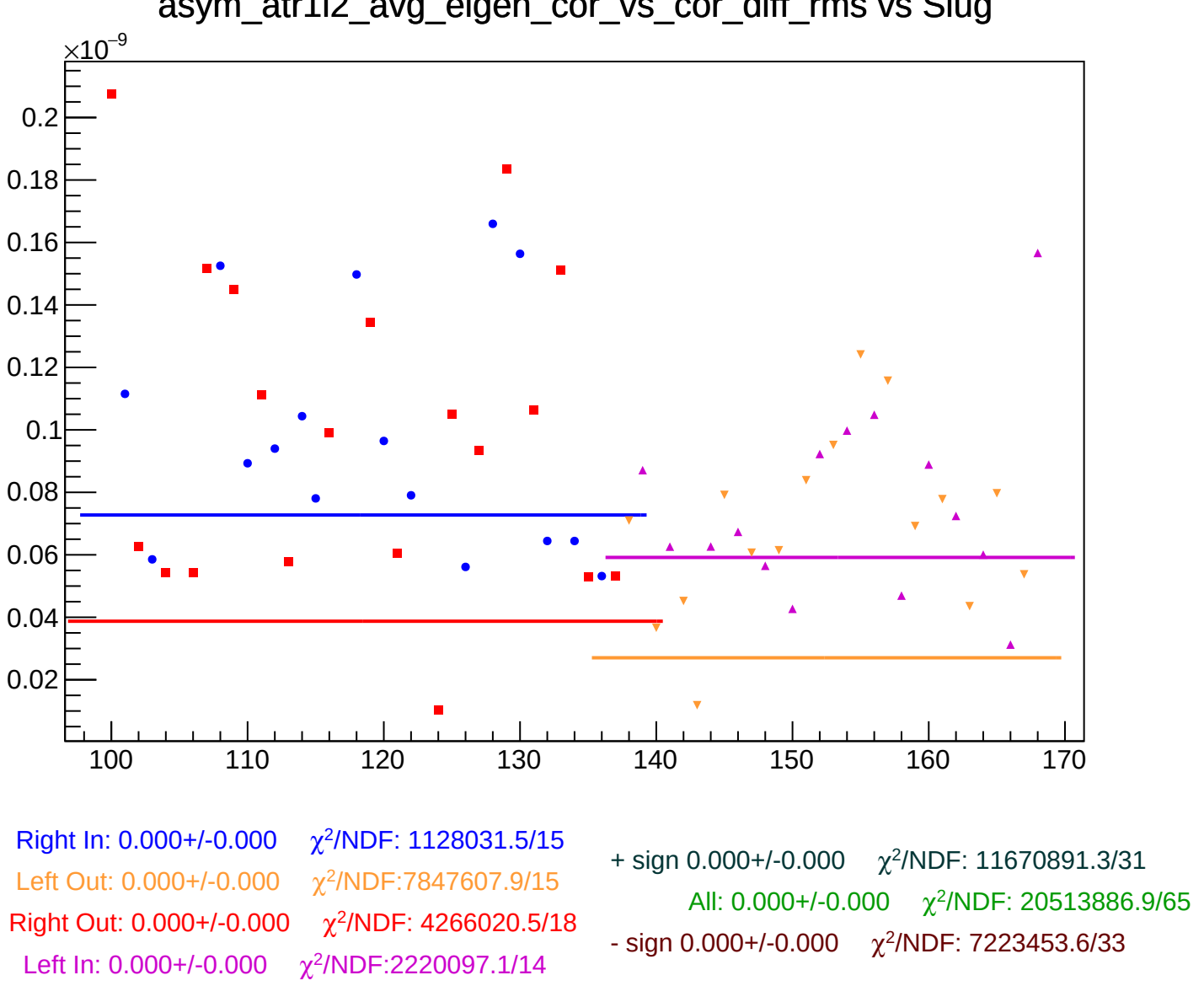
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/14

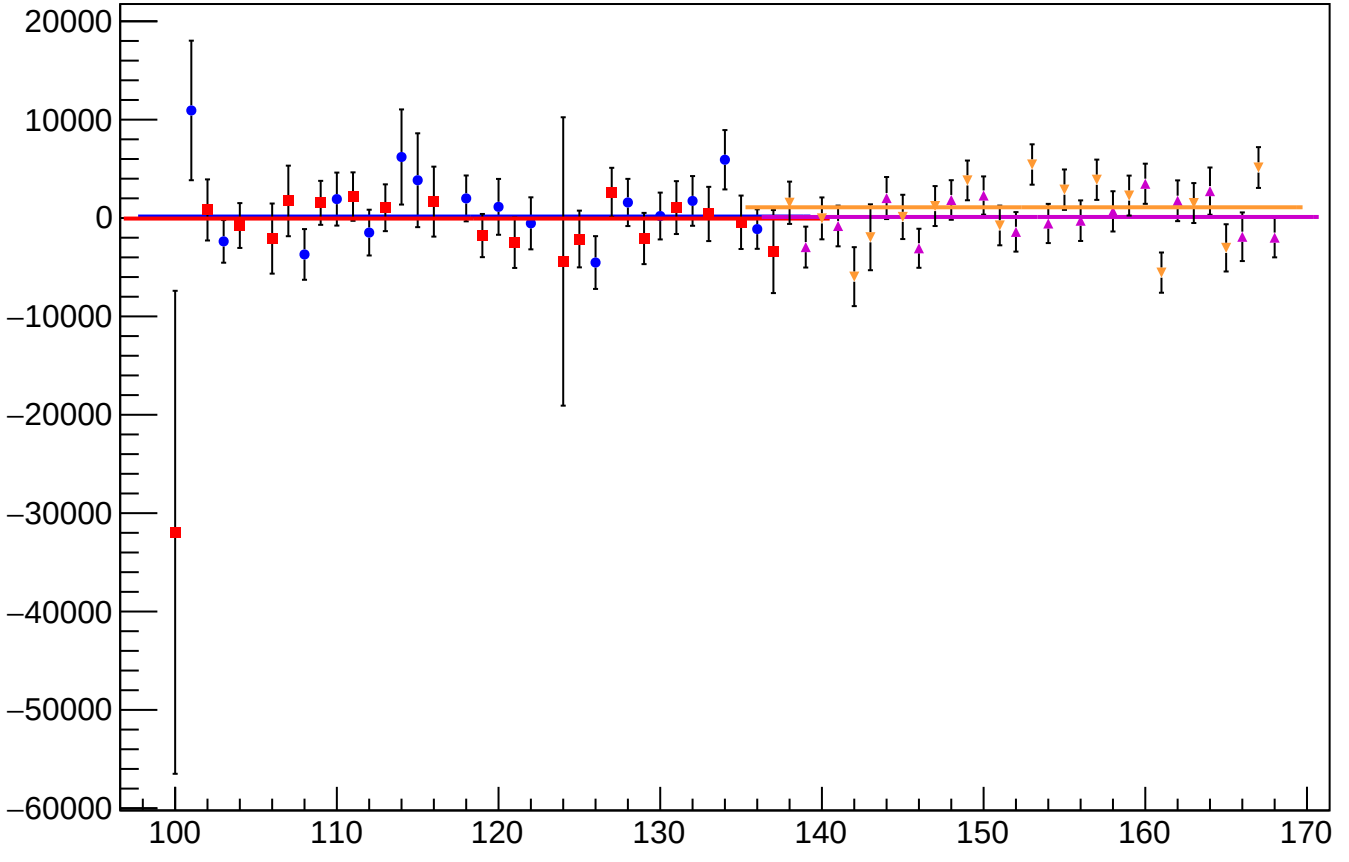
+ sign -0.000+/-0.000 χ^2/NDF: 23.5/31

All: 0.000+/-0.000 χ^2/NDF: 71.5/65

- sign 0.000+/-0.000 χ^2/NDF: 44.4/33


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:7847607.9/15
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:2220097.1/14
+ sign 0.000+/-0.000 χ²/NDF: 11670891.3/31
All: 0.000+/-0.000 χ²/NDF: 20513886.9/65
- sign 0.000+/-0.000 χ²/NDF: 7223453.6/33

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1092.815+/-541.363 χ^2/NDF:34.4/15

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

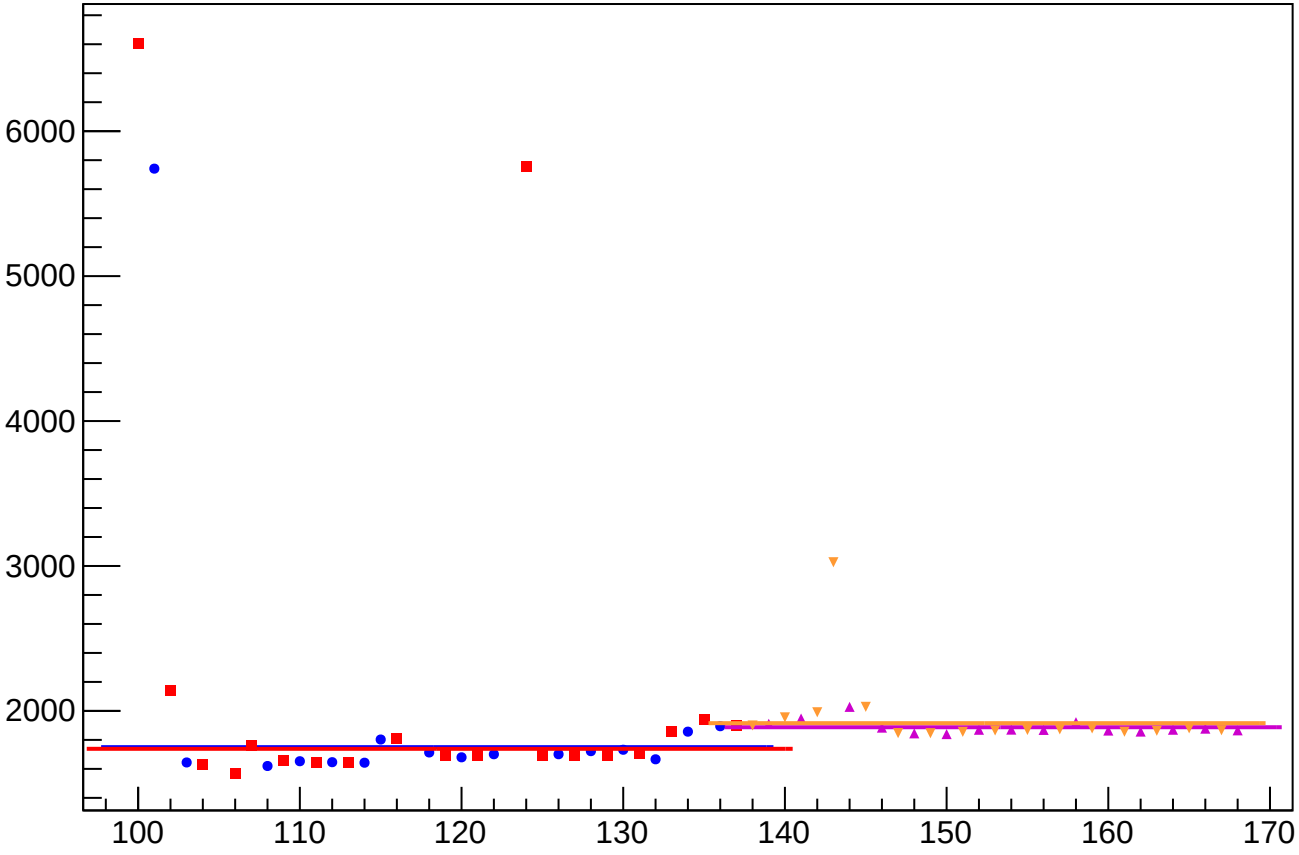
Left In: 108.244+/-535.887 χ^2/NDF:14.9/14

+ sign 718.692+/-420.344 χ^2/NDF: 53.2/31

All: 376.474+/-295.259 χ^2/NDF: 78.4/65

- sign 43.178+/-414.828 χ^2/NDF: 23.9/33

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1915.421+/-0.383 χ^2/NDF:241644.0/15

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

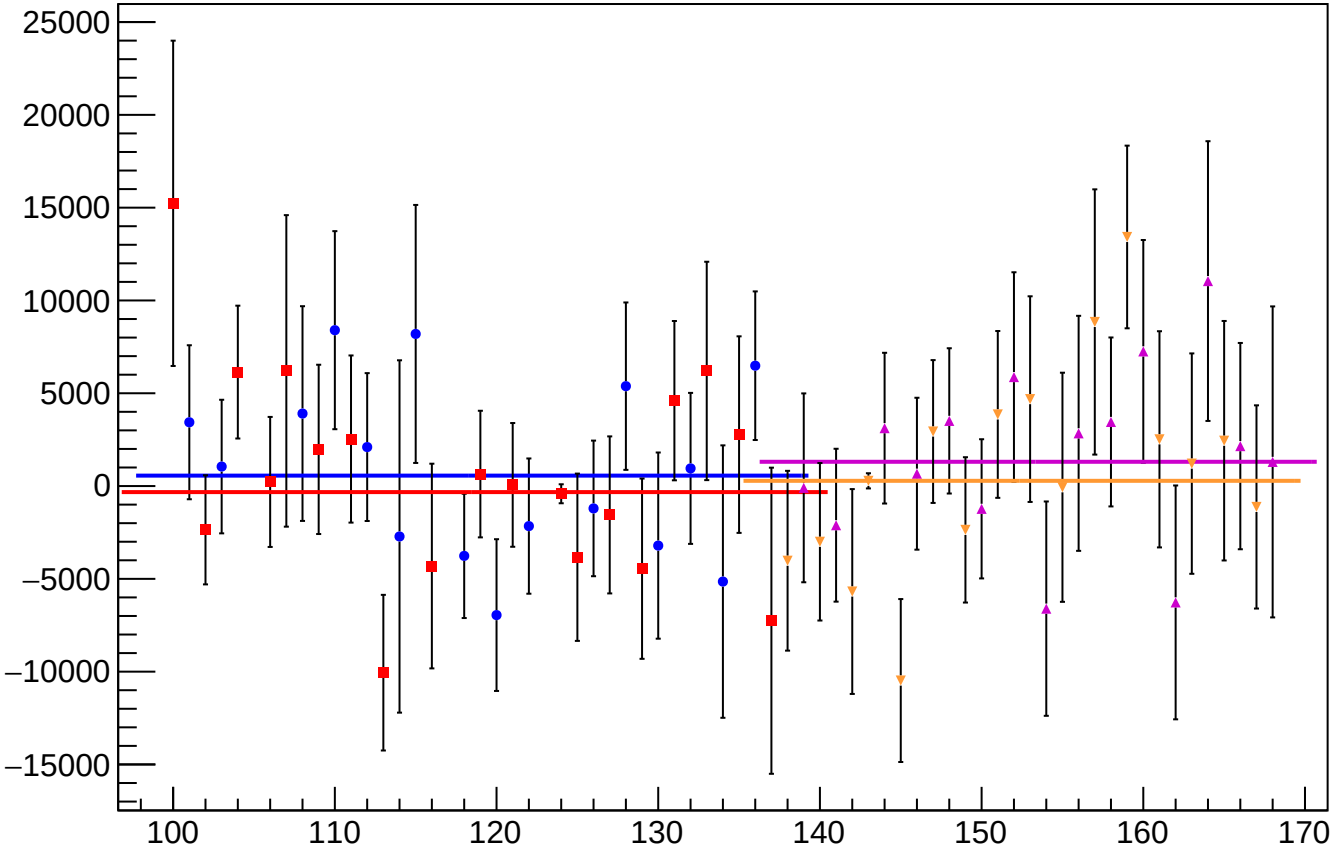
Left In: 1887.414+/-0.379 χ^2/NDF:14703.3/14

+ sign 1849.676+/-0.297 χ^2/NDF: 985499.1/31

All: 1838.258+/-0.208 χ^2/NDF: 1370047.8/65

- sign 1827.203+/-0.292 χ^2/NDF: 381644.3/33

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 282.015+/-389.980 χ^2/NDF:19.7/15

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

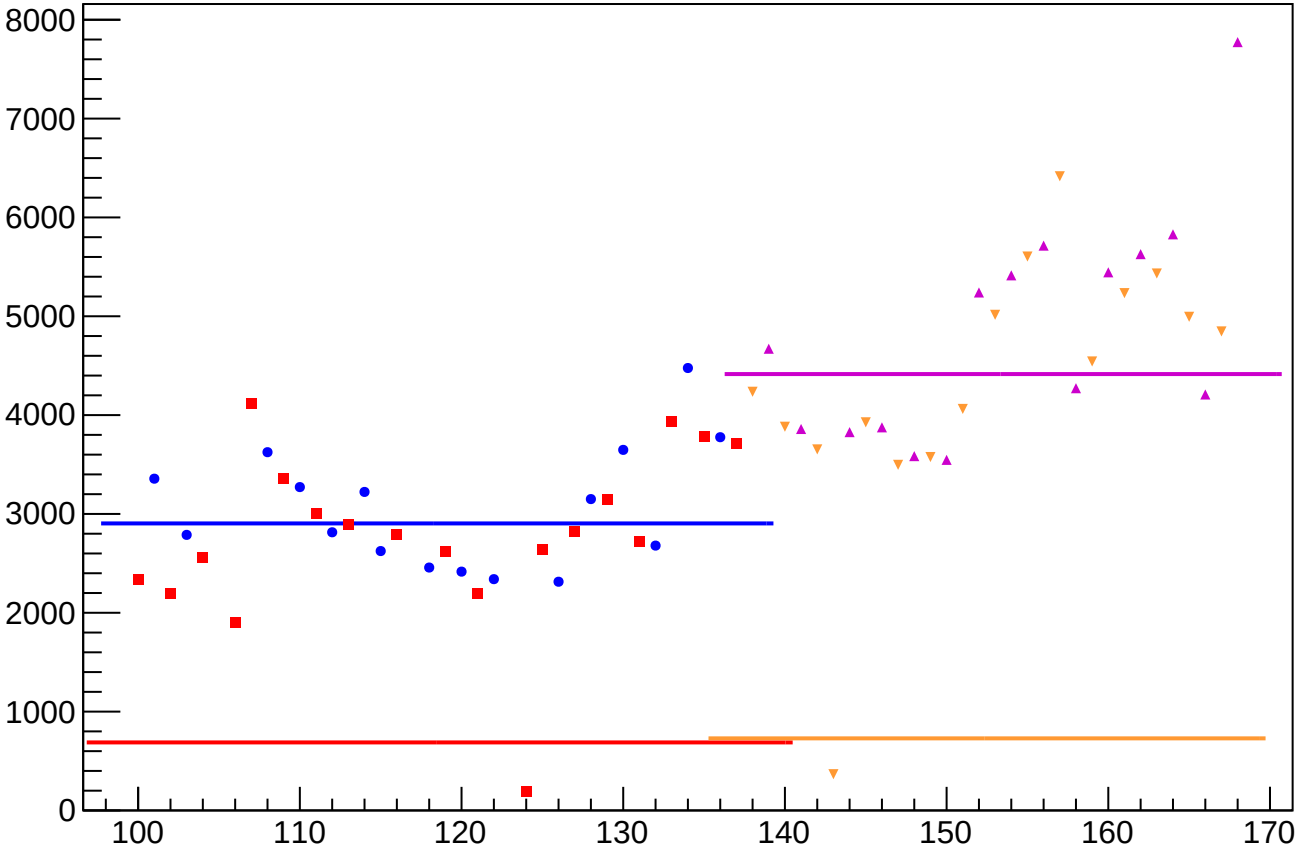
Left In: 1307.870+/-1284.456 χ^2/NDF:8.7/14

+ sign 313.256+/-367.607 χ^2/NDF: 34.5/31

All: 121.994+/-279.788 χ^2/NDF: 64.5/65

- sign -141.350+/-431.352 χ^2/NDF: 29.4/33

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 729.380+/-0.276 χ^2/NDF:17907030.3/15

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

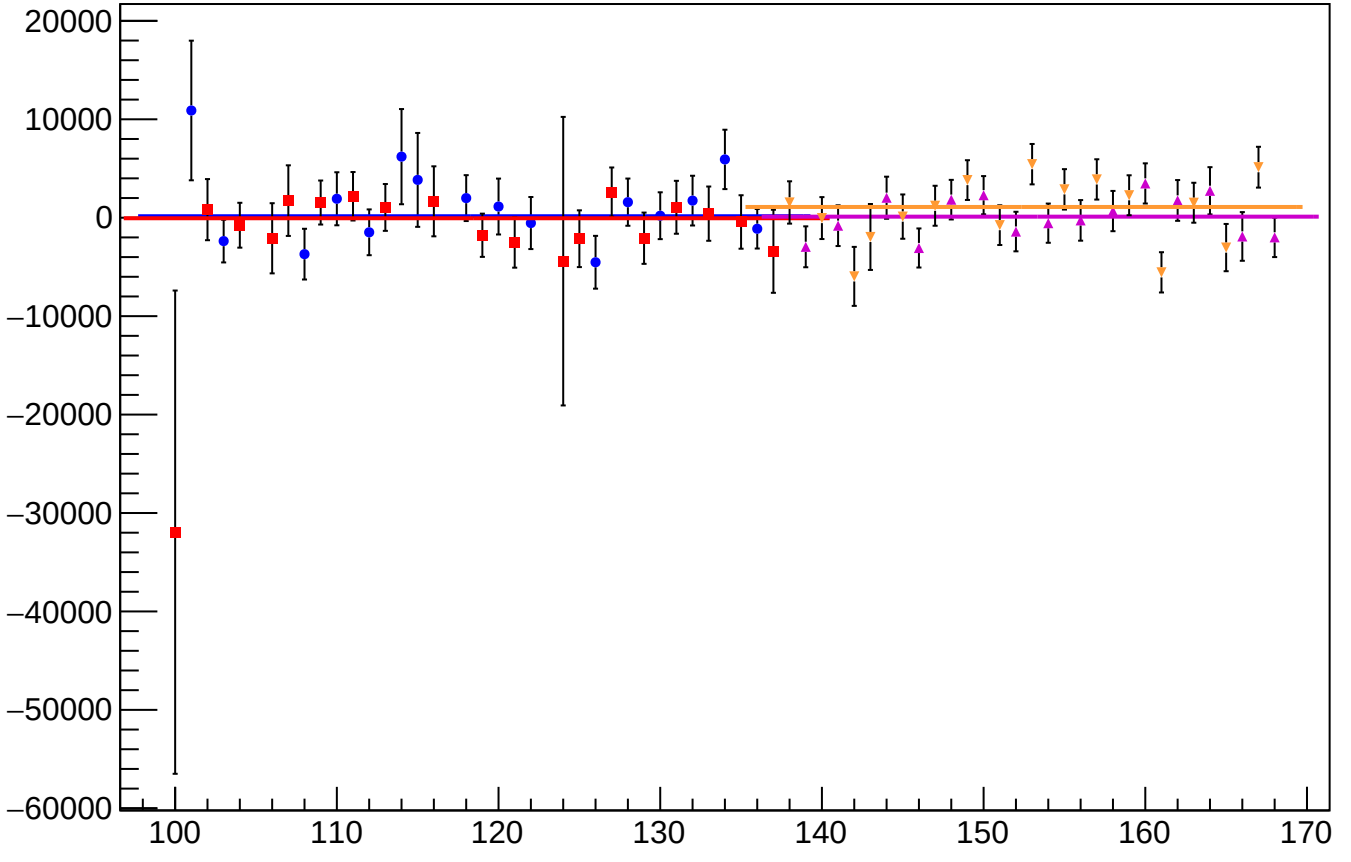
Left In: 4415.183+/-0.908 χ^2/NDF:1031602.9/14

+ sign 971.740+/-0.260 χ^2/NDF: 25317887.1/31

All: 1029.332+/-0.198 χ^2/NDF: 51553705.2/6

- sign 1108.629+/-0.305 χ^2/NDF: 26119139.8/33

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1092.792+/-541.363 χ^2/NDF:34.4/15

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

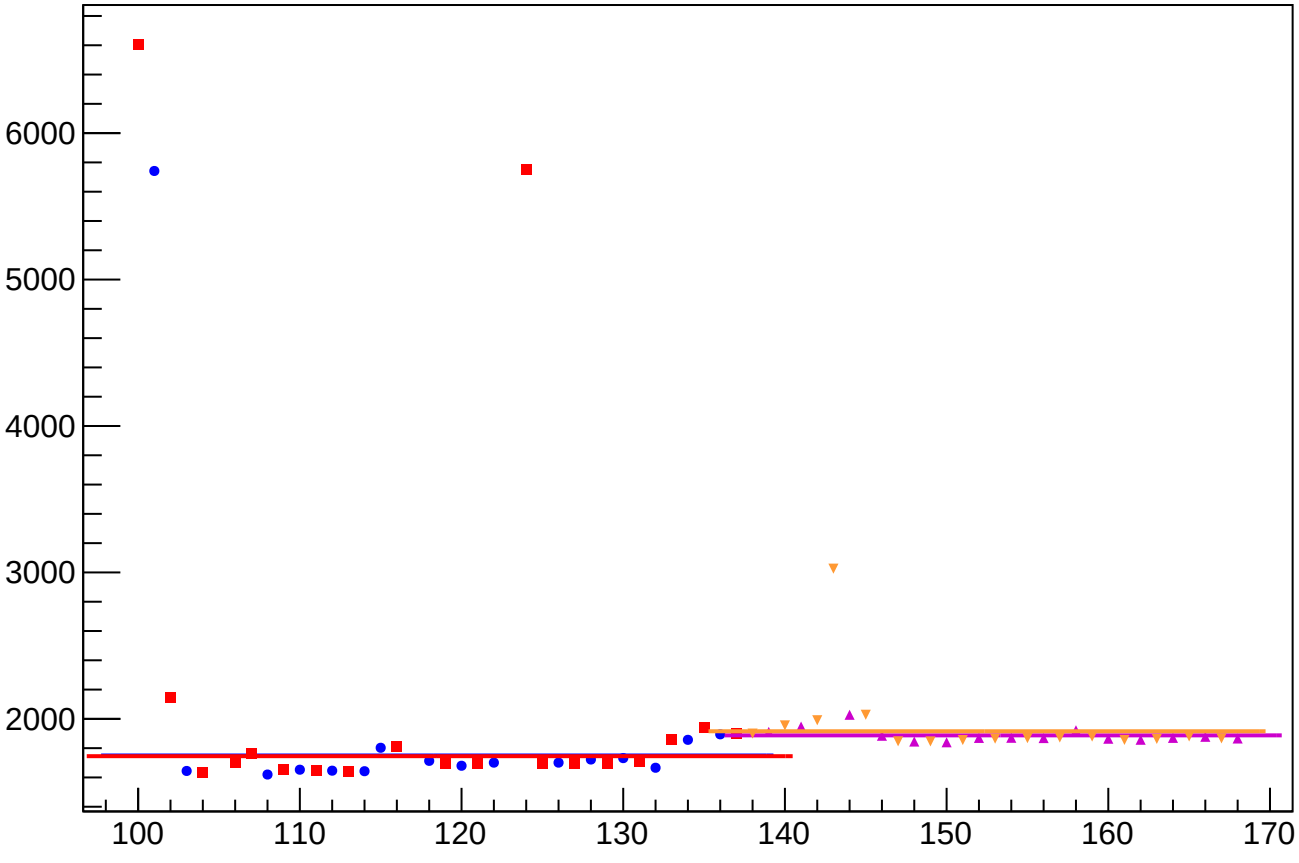
Left In: 108.273+/-535.887 χ^2/NDF:14.9/14

+ sign 718.493+/-420.344 χ^2/NDF: 53.2/31

All: 376.374+/-295.259 χ^2/NDF: 78.4/65

- sign 43.175+/-414.828 χ^2/NDF: 23.9/33

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1915.421+/-0.383 χ^2/NDF:241644.0/15

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

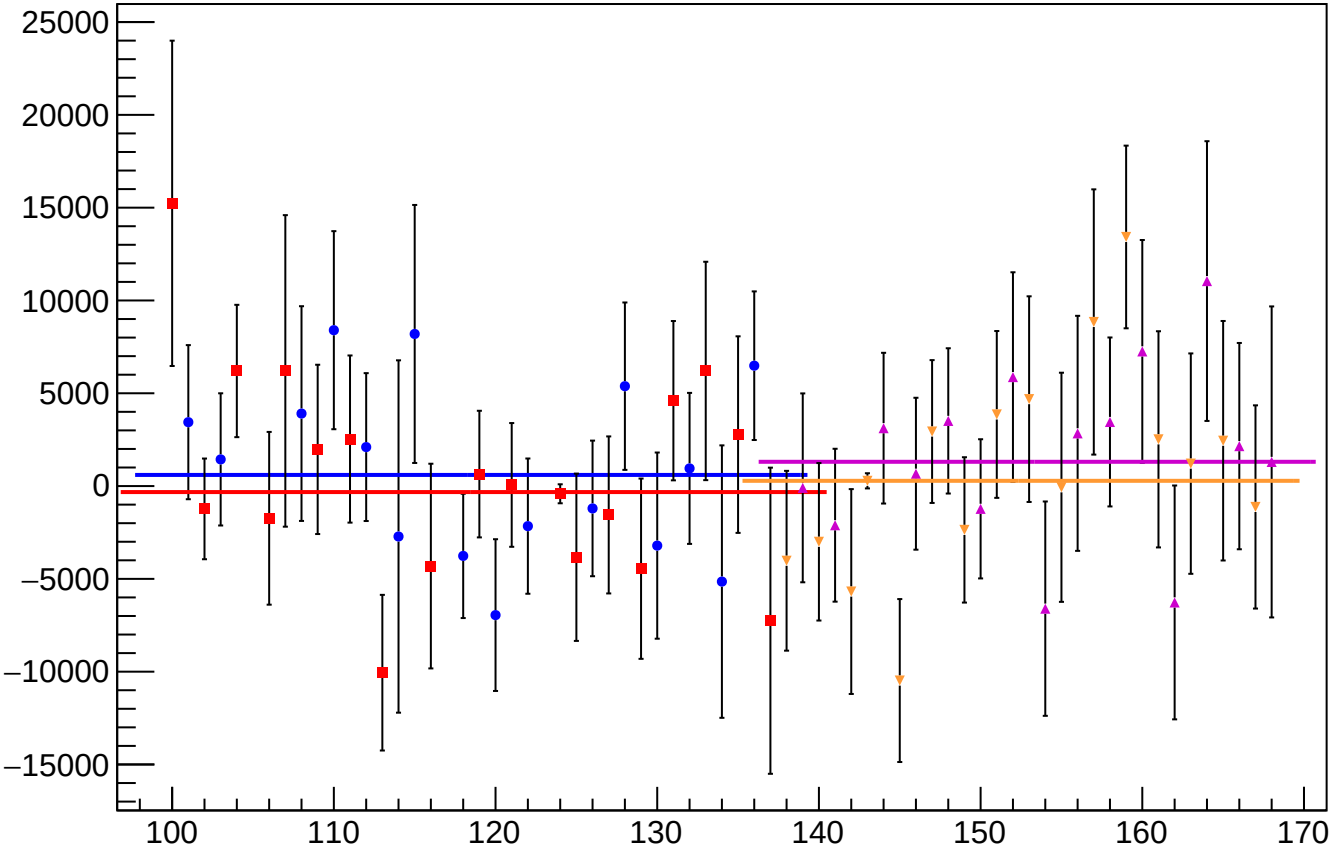
Left In: 1887.414+/-0.379 χ^2/NDF:14703.3/14

+ sign 1849.675+/-0.297 χ^2/NDF: 985499.6/31

All: 1839.773+/-0.209 χ^2/NDF: 1357083.4/65

- sign 1830.158+/-0.293 χ^2/NDF: 369396.1/33

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 282.972+/-390.012 χ^2/NDF:19.7/15

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

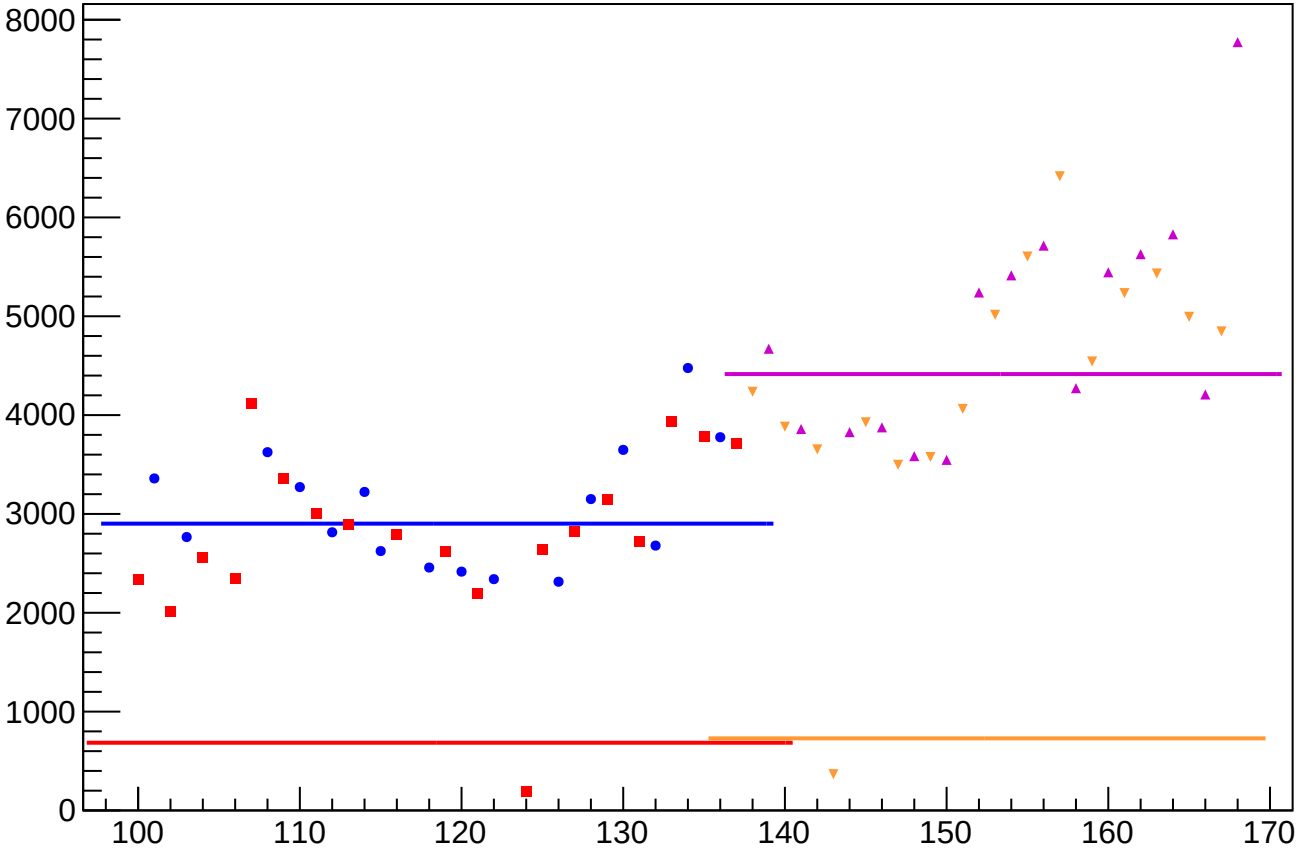
Left In: 1307.958+/-1284.454 χ^2/NDF:8.7/14

+ sign 318.390+/-367.595 χ^2/NDF: 34.6/31

All: 126.545+/-279.990 χ^2/NDF: 64.4/65

- sign -138.556+/-432.116 χ^2/NDF: 29.1/33

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 729.476+/-0.276 χ^2/NDF:17906398.5/15

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

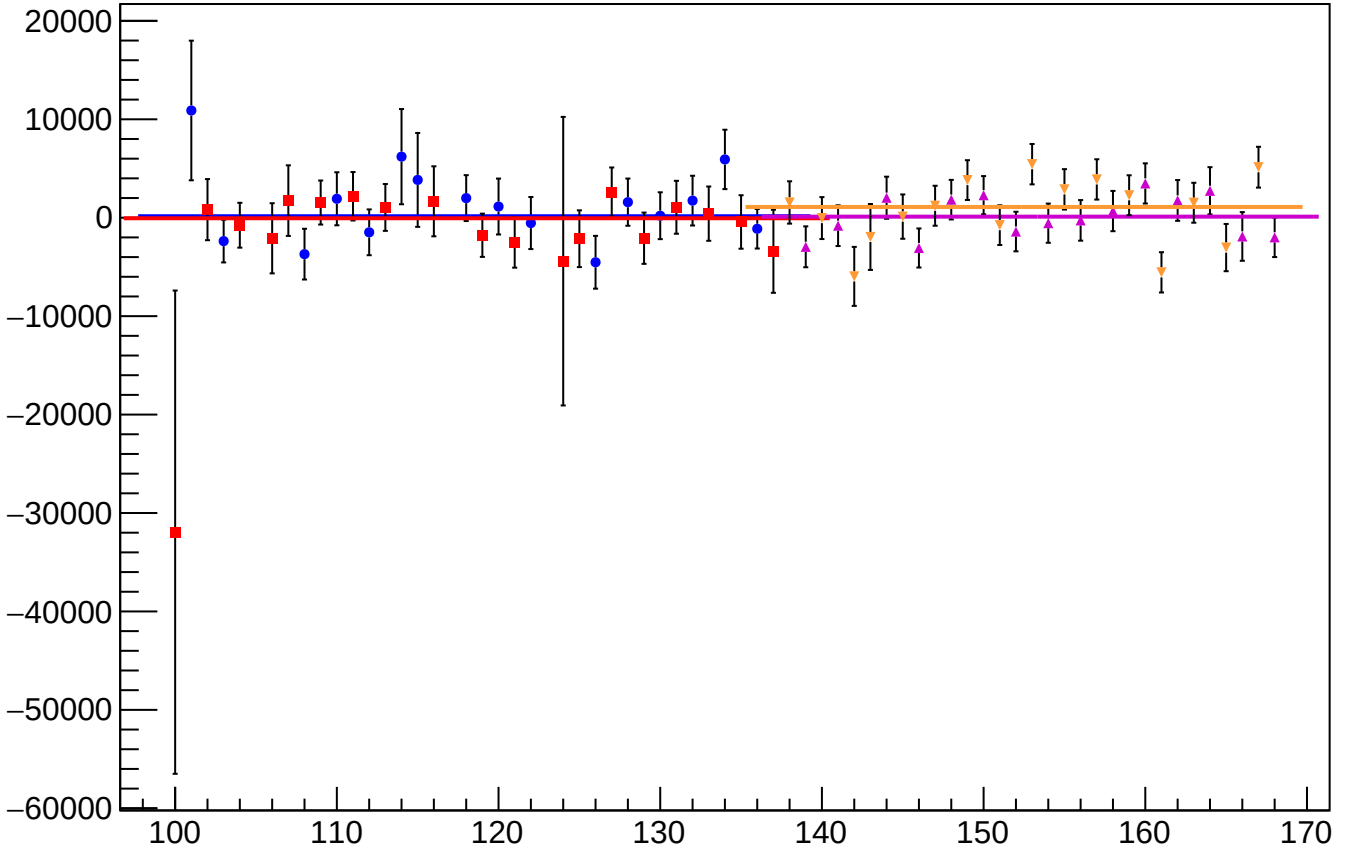
Left In: 4415.175+/-0.908 χ^2/NDF:1031618.1/14

+ sign 972.021+/-0.260 χ^2/NDF: 25315269.1/31

All: 1028.860+/-0.198 χ^2/NDF: 51522995.6/6

- sign 1107.403+/-0.306 χ^2/NDF: 26093832.5/33

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1092.792+/-541.363 χ^2/NDF:34.4/15

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

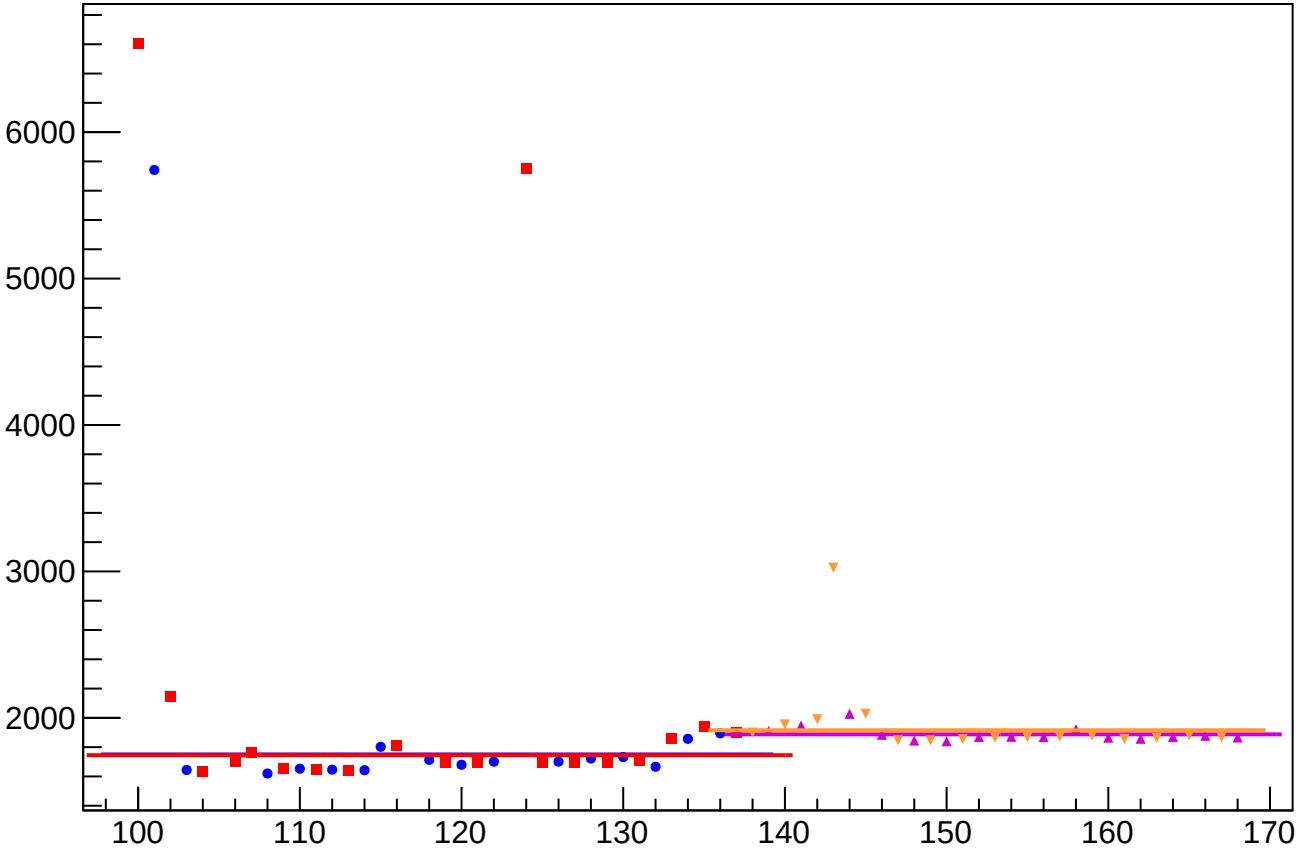
Left In: 108.273+/-535.887 χ^2/NDF:14.9/14

+ sign 718.493+/-420.344 χ^2/NDF: 53.2/31

All: 376.374+/-295.259 χ^2/NDF: 78.4/65

- sign 43.175+/-414.828 χ^2/NDF: 23.9/33

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1915.421+/-0.383 χ^2/NDF:241644.0/15

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

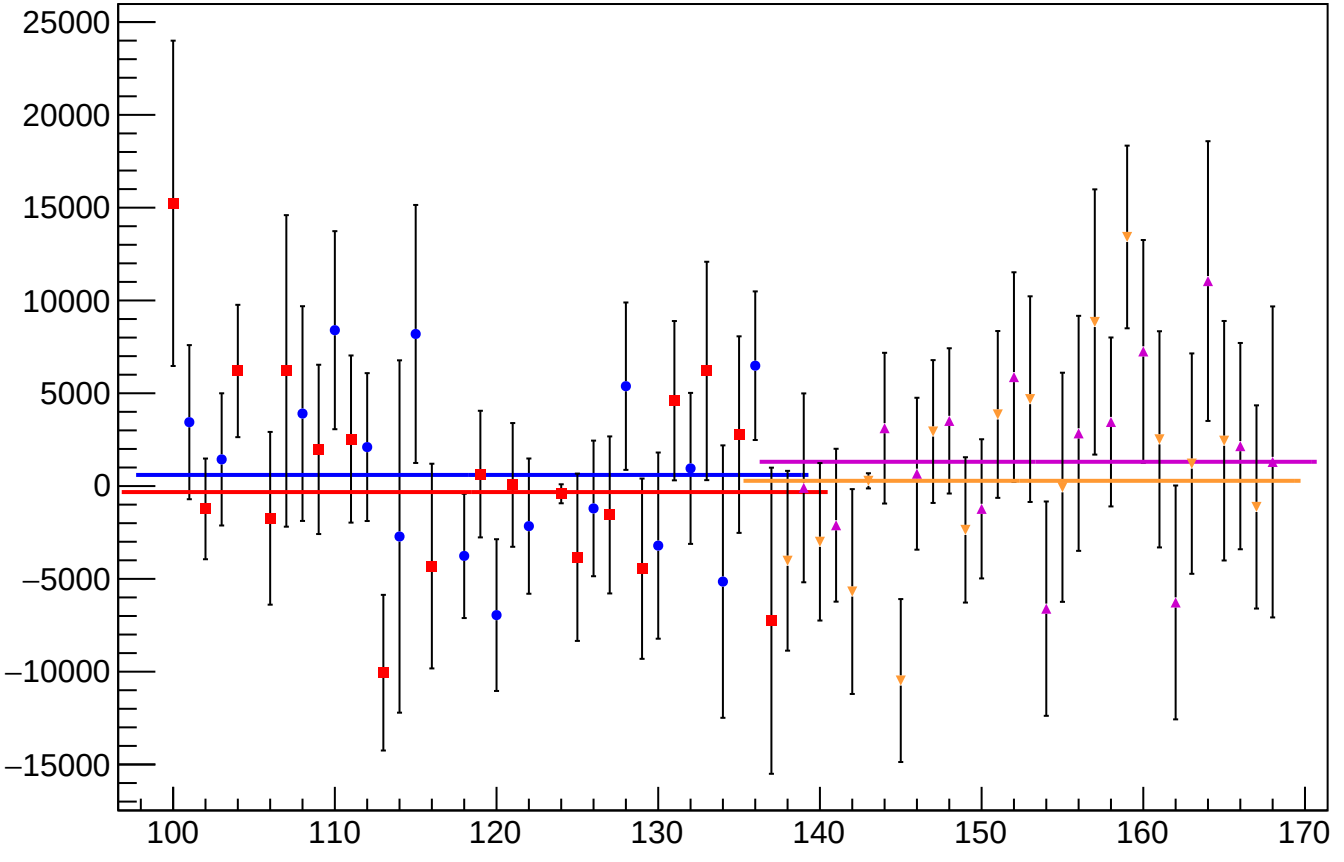
Left In: 1887.414+/-0.379 χ^2/NDF:14703.3/14

+ sign 1849.675+/-0.297 χ^2/NDF: 985499.6/31

All: 1839.773+/-0.209 χ^2/NDF: 1357083.4/65

- sign 1830.158+/-0.293 χ^2/NDF: 369396.1/33

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 282.972+/-390.012 χ^2/NDF:19.7/15

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

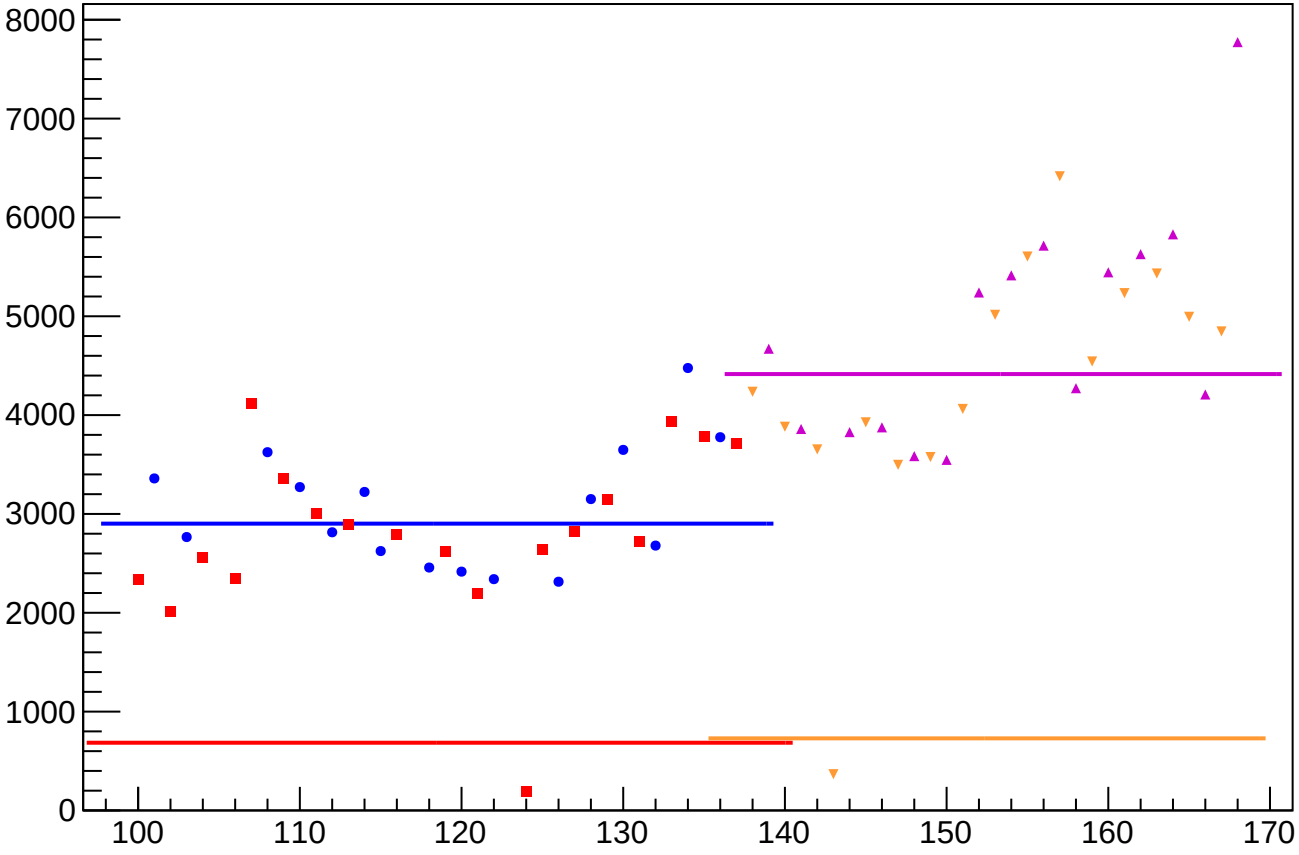
Left In: 1307.958+/-1284.454 χ^2/NDF:8.7/14

+ sign 318.390+/-367.595 χ^2/NDF: 34.6/31

All: 126.545+/-279.990 χ^2/NDF: 64.4/65

- sign -138.556+/-432.116 χ^2/NDF: 29.1/33

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 729.476+/-0.276 χ^2/NDF:17906398.5/15

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

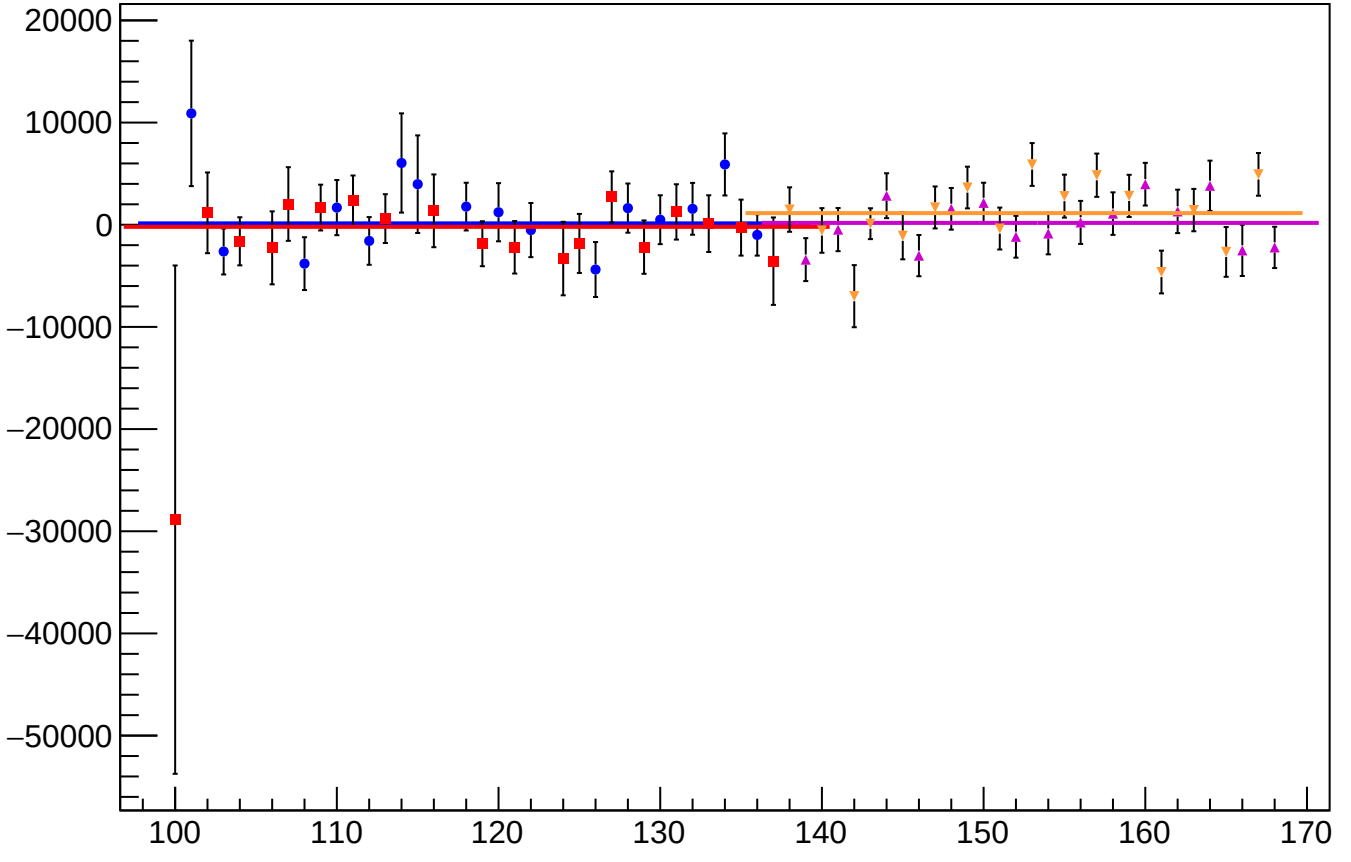
Left In: 4415.175+/-0.908 χ^2/NDF:1031618.1/14

+ sign 972.021+/-0.260 χ^2/NDF: 25315269.1/31

All: 1028.860+/-0.198 χ^2/NDF: 51522995.6/6

- sign 1107.403+/-0.306 χ^2/NDF: 26093832.5/33

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1139.128+/-524.170 χ^2/NDF:34.1/15

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

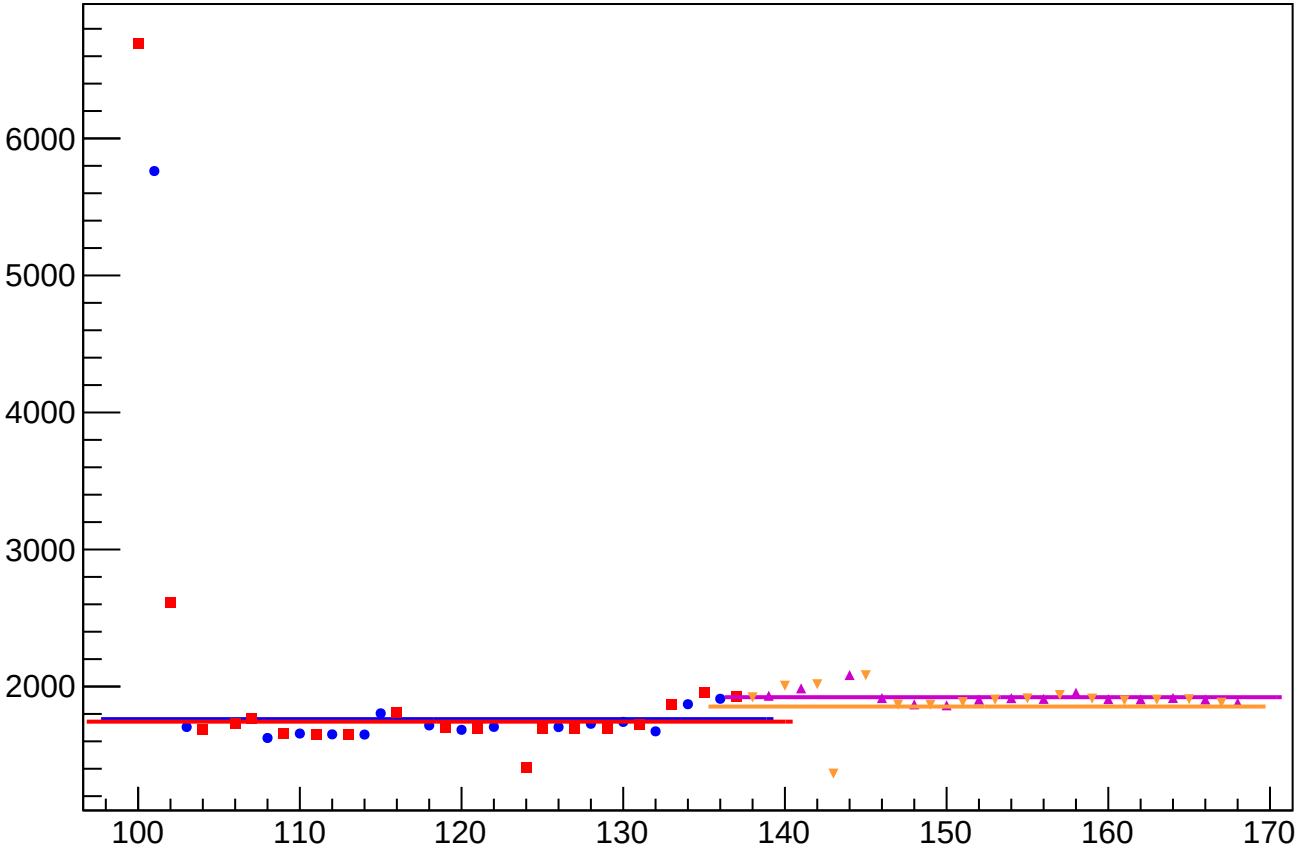
Left In: 179.691+/-545.823 χ^2/NDF:17.7/14

+ sign 758.587+/-413.218 χ^2/NDF: 52.8/31

All: 395.414+/-294.271 χ^2/NDF: 82.0/65

- sign 21.702+/-419.170 χ^2/NDF: 27.6/33

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1853.820+/-0.371 χ^2/NDF:258539.5/15

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

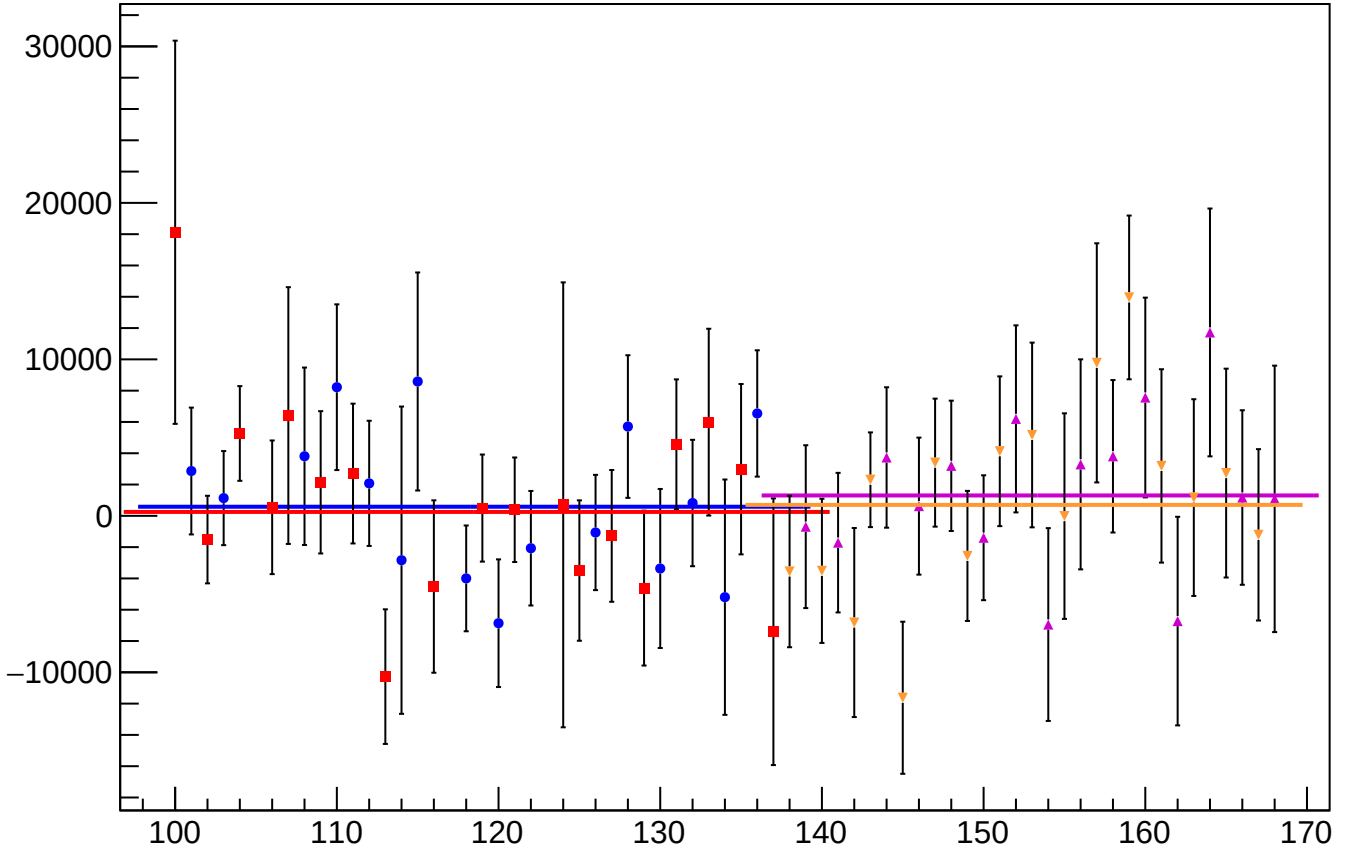
Left In: 1922.222+/-0.386 χ^2/NDF:17724.9/14

+ sign 1819.082+/-0.292 χ^2/NDF: 949440.8/31

All: 1833.719+/-0.208 χ^2/NDF: 1288059.3/65

- sign 1848.746+/-0.296 χ^2/NDF: 333532.6/33

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 699.166+/-1247.210 χ^2/NDF:20.2/15

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

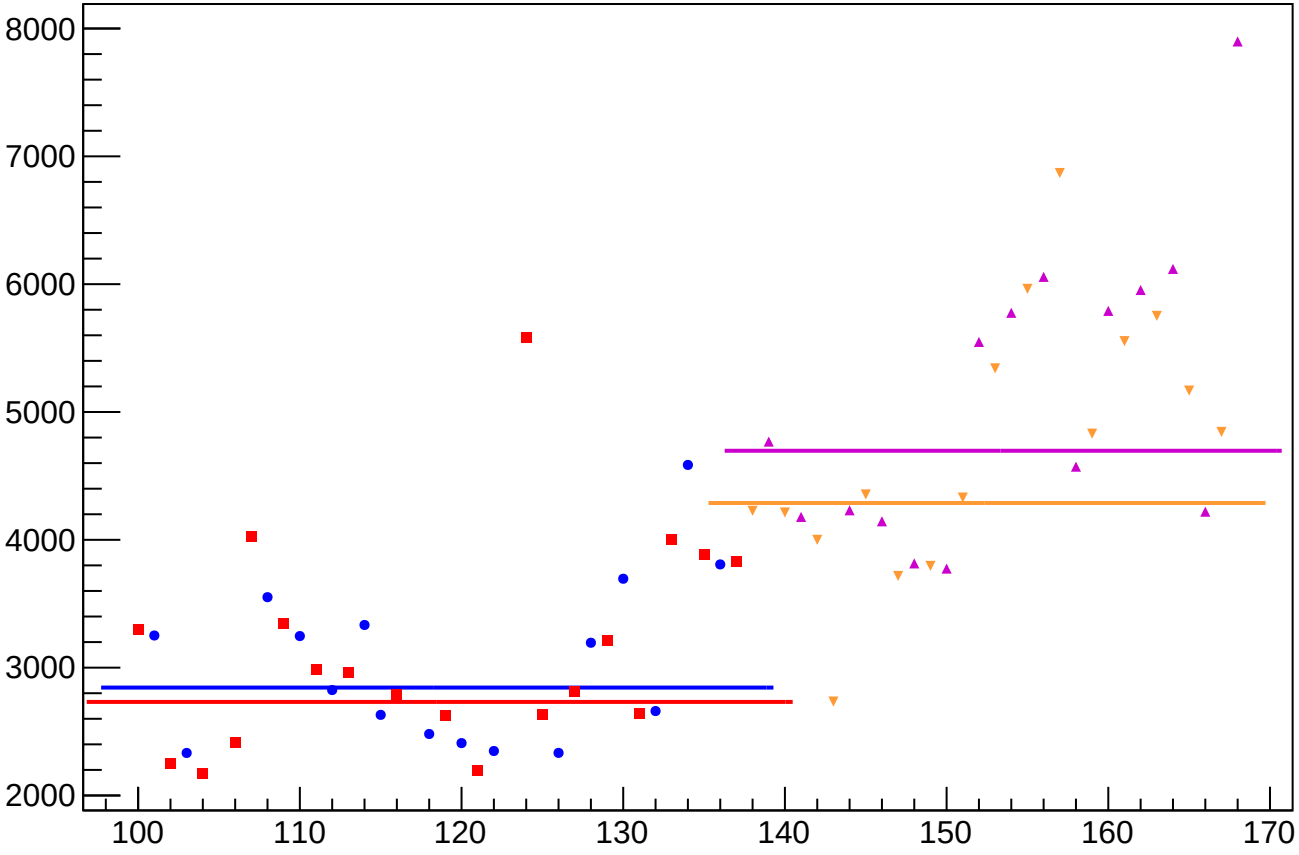
Left In: 1302.786+/-1364.481 χ^2/NDF:8.5/14

+ sign 632.414+/-817.080 χ^2/NDF: 35.1/31

All: 630.225+/-577.906 χ^2/NDF: 62.0/65

- sign 628.033+/-817.485 χ^2/NDF: 26.9/33

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4288.230+/-0.882 χ^2/NDF:1291067.1/15

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

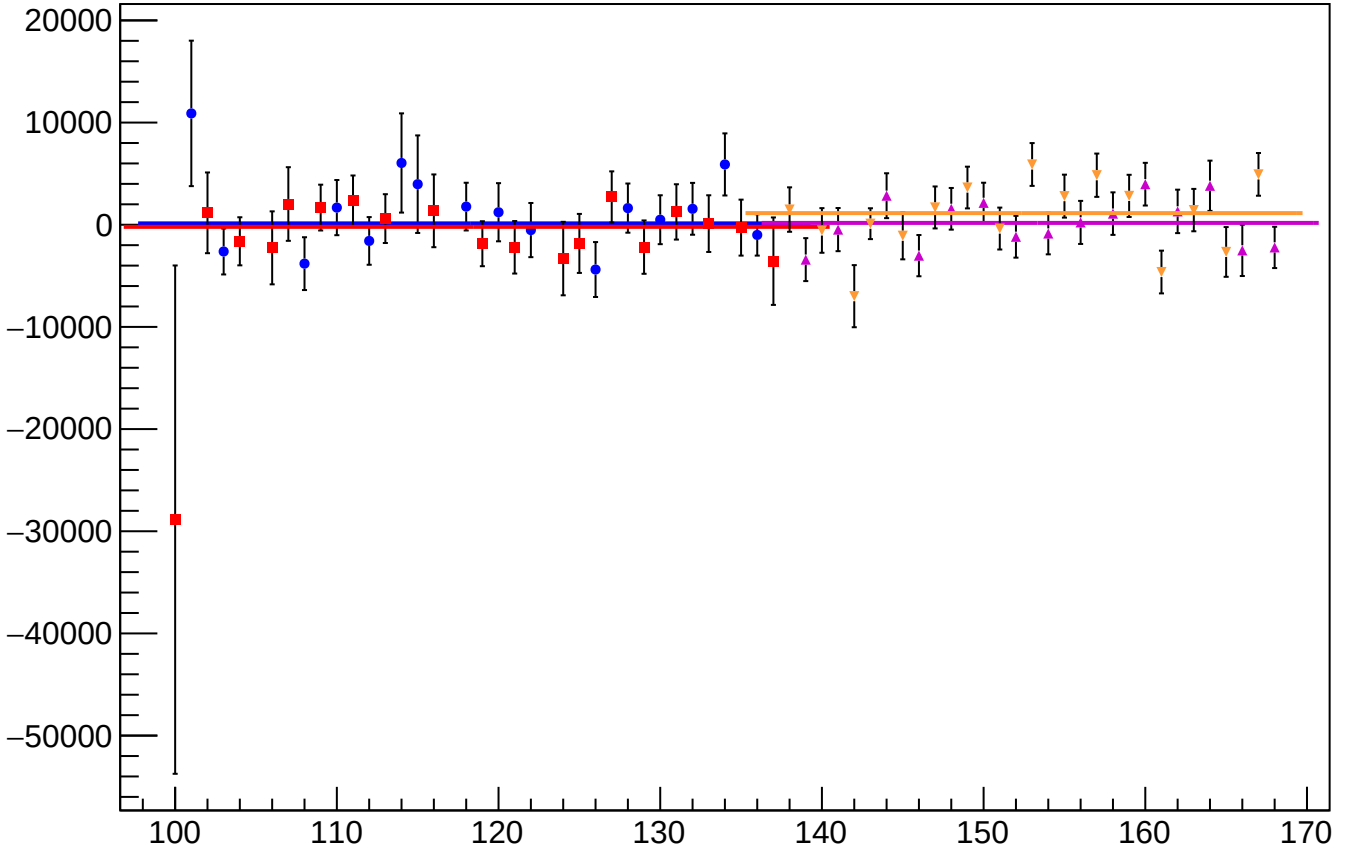
Left In: 4696.714+/-0.965 χ^2/NDF:954399.5/14

\+ sign 3463.936+/-0.578 χ^2/NDF: 3363562.8/31

All: 3450.577+/-0.409 χ^2/NDF: 7588588.4/65

\- sign 3437.204+/-0.578 χ^2/NDF: 4223955.7/33

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1139.130+/-524.170 χ^2/NDF:34.1/15

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

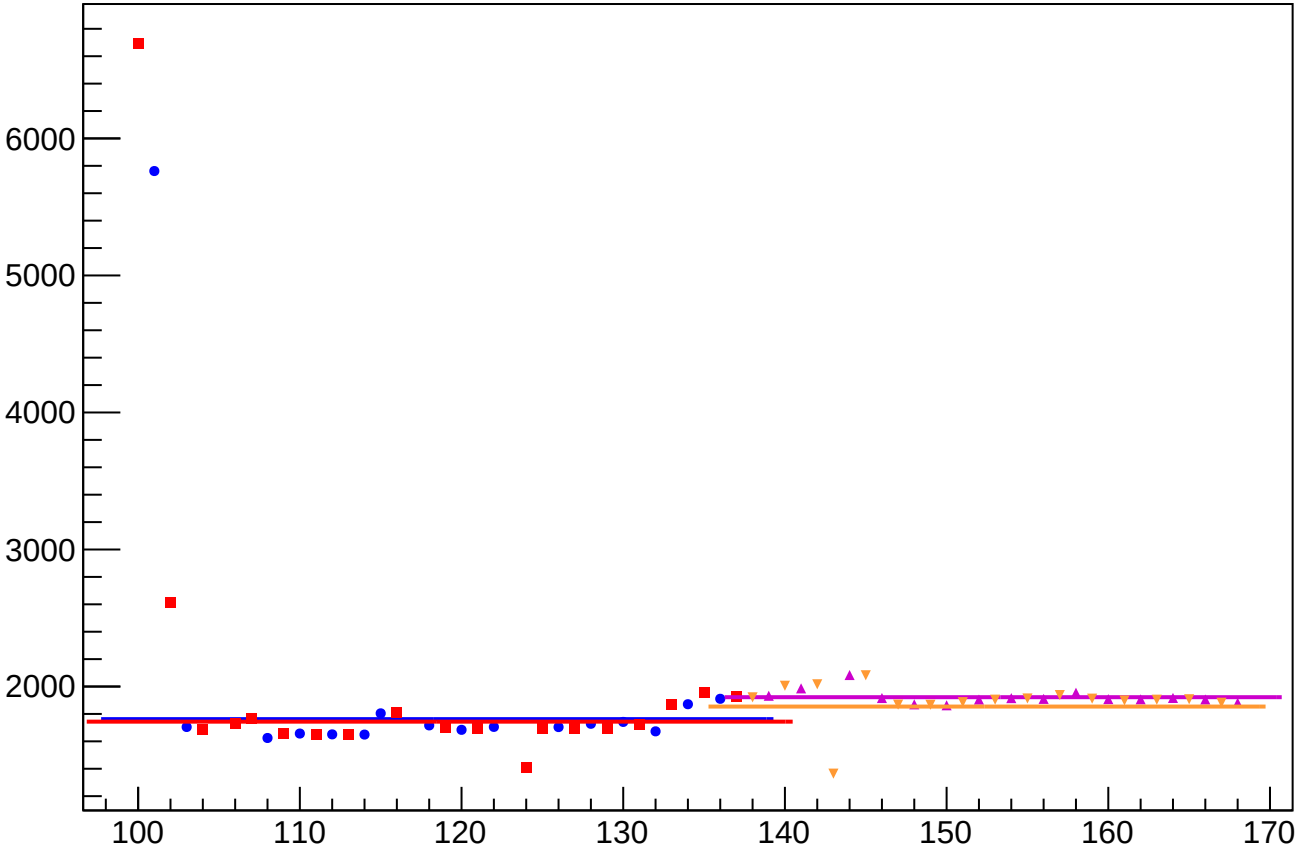
Left In: 179.693+/-545.823 χ^2/NDF:17.7/14

+ sign 758.587+/-413.218 χ^2/NDF: 52.8/31

All: 395.415+/-294.271 χ^2/NDF: 82.0/65

- sign 21.704+/-419.170 χ^2/NDF: 27.6/33

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1853.821+/-0.371 χ^2/NDF:258540.8/15

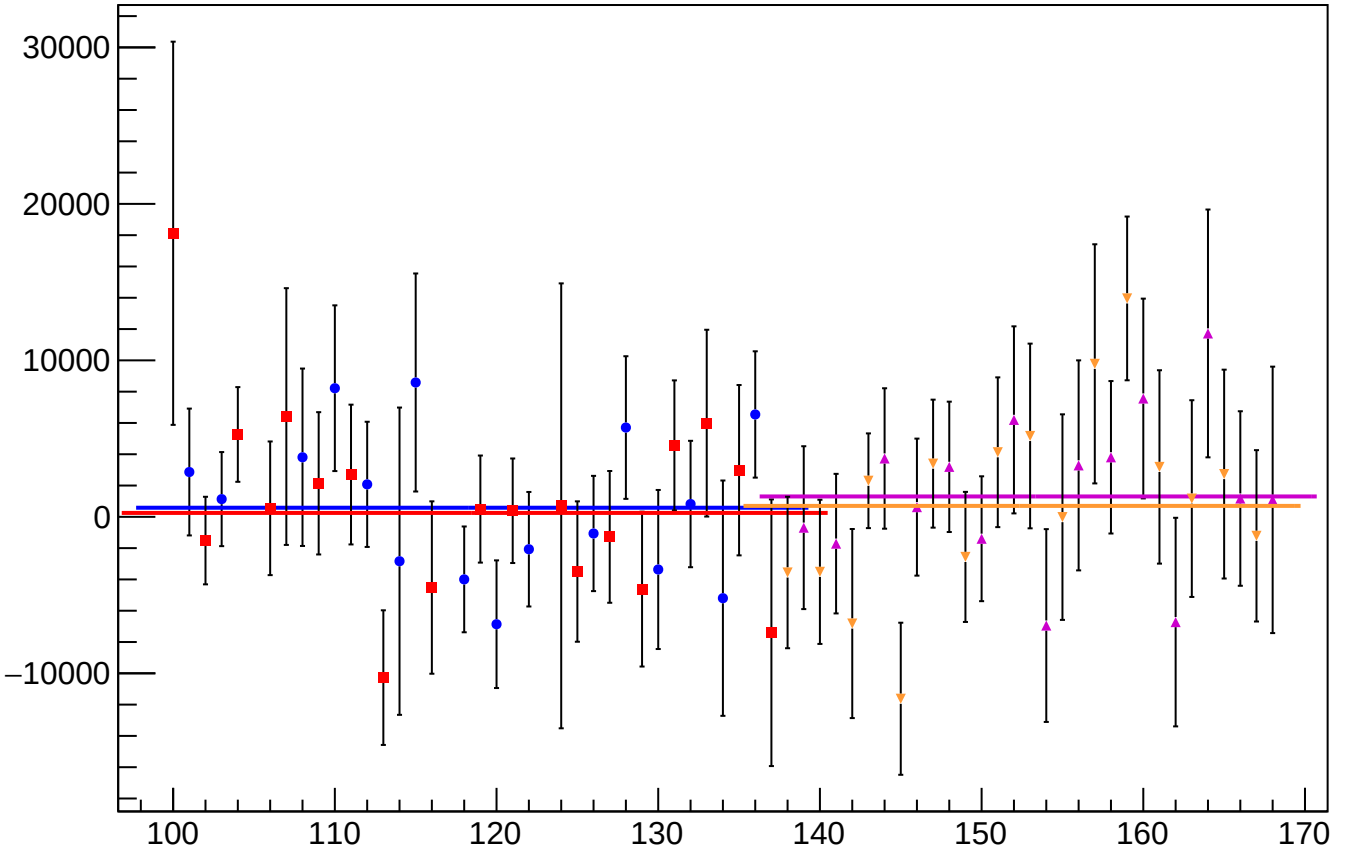
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1922.223+/-0.386 χ^2/NDF:17725.1/14

+ sign 1819.083+/-0.292 χ^2/NDF: 949442.5/31

All: 1833.720+/-0.208 χ^2/NDF: 1288062.2/65

- sign 1848.746+/-0.296 χ^2/NDF: 333533.8/33



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 699.171+/-1247.212 χ^2/NDF:20.2/15

Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

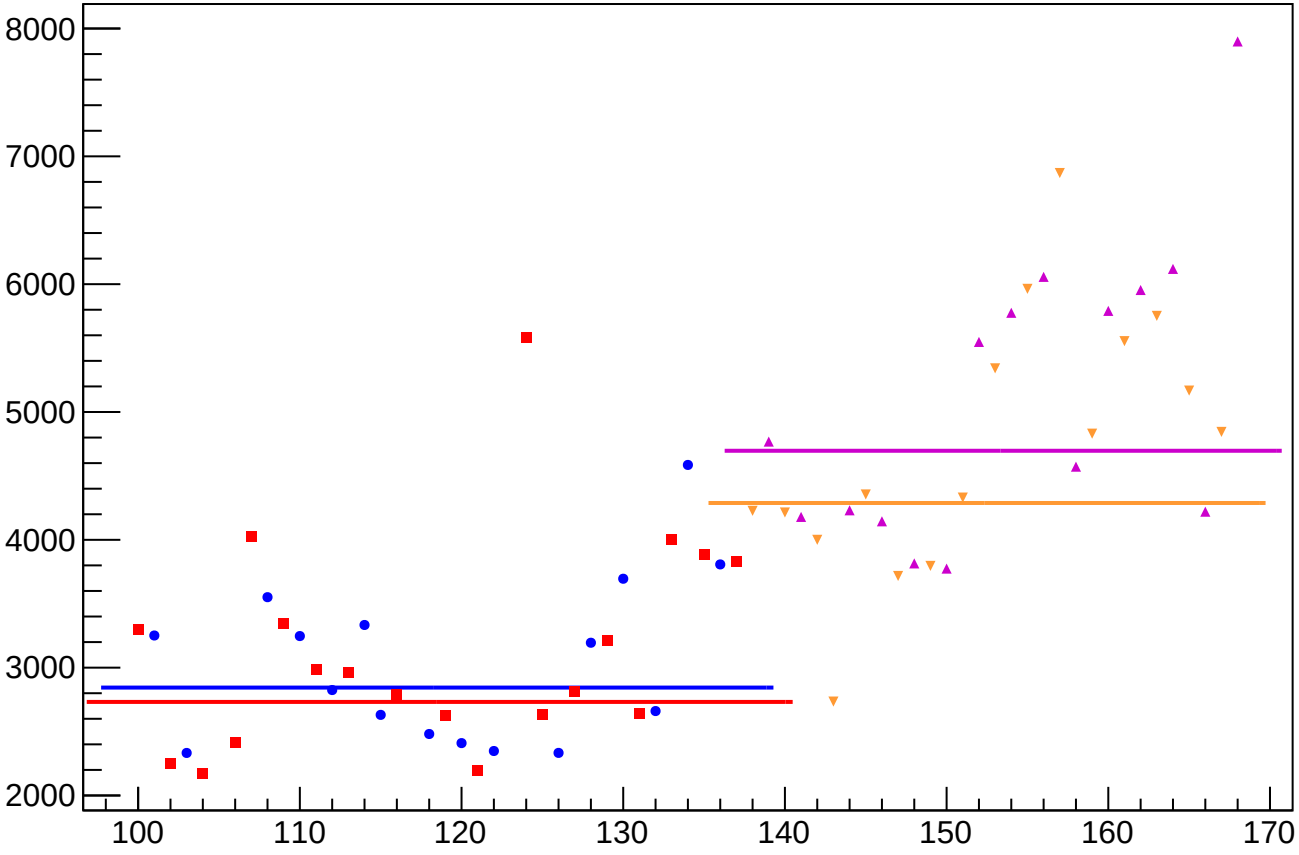
Left In: 1302.786+/-1364.483 χ^2/NDF:8.5/14

+ sign 632.413+/-817.079 χ^2/NDF: 35.1/31

All: 630.224+/-577.905 χ^2/NDF: 62.0/65

- sign 628.032+/-817.484 χ^2/NDF: 26.9/33

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4288.235+/-0.882 χ^2/NDF:1291073.5/15

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

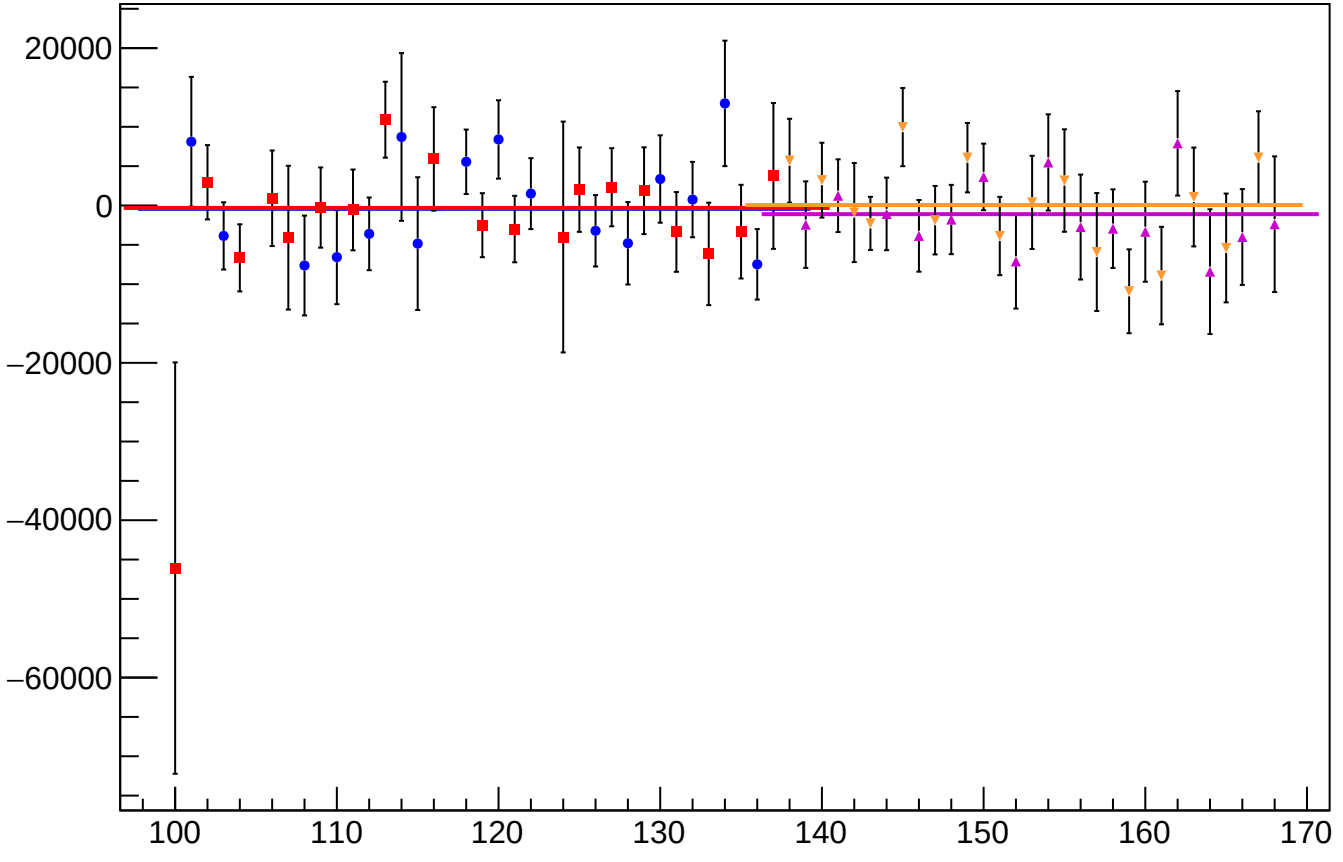
Left In: 4696.720+/-0.965 χ^2/NDF:954402.0/14

+ sign 3463.931+/-0.578 χ^2/NDF: 3363600.8/31

All: 3450.572+/-0.409 χ^2/NDF: 7588658.2/65

- sign 3437.200+/-0.578 χ^2/NDF: 4223987.5/33

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 61.634+/-1308.772 χ^2/NDF:17.6/15

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

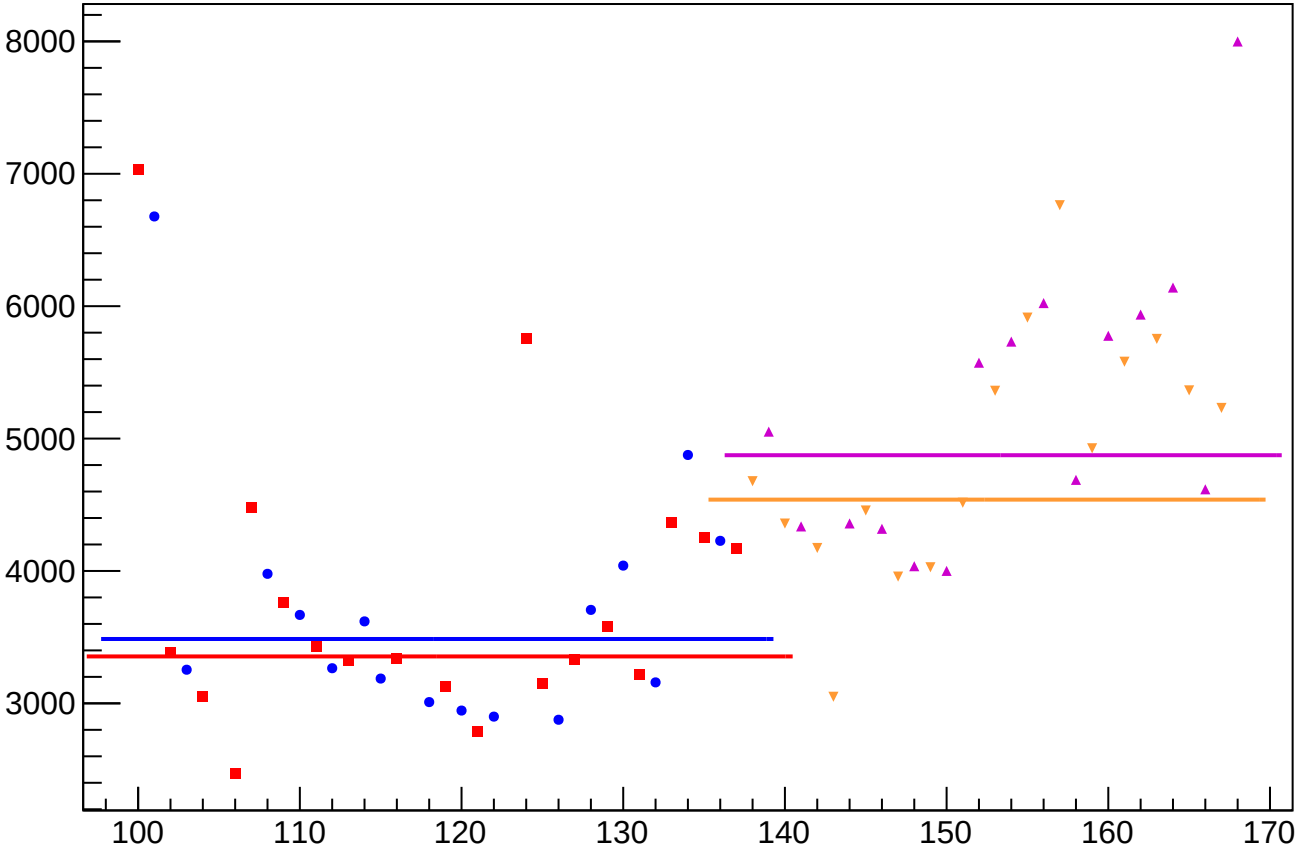
Left In: -1100.847+/-1409.269 χ^2/NDF:7.4/14

+ sign -177.349+/-931.909 χ^2/NDF: 35.6/31

All: -417.569+/-663.805 χ^2/NDF: 58.5/65

- sign -664.988+/-945.768 χ^2/NDF: 22.8/33

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4538.827+/-0.925 χ^2/NDF:964990.4/15

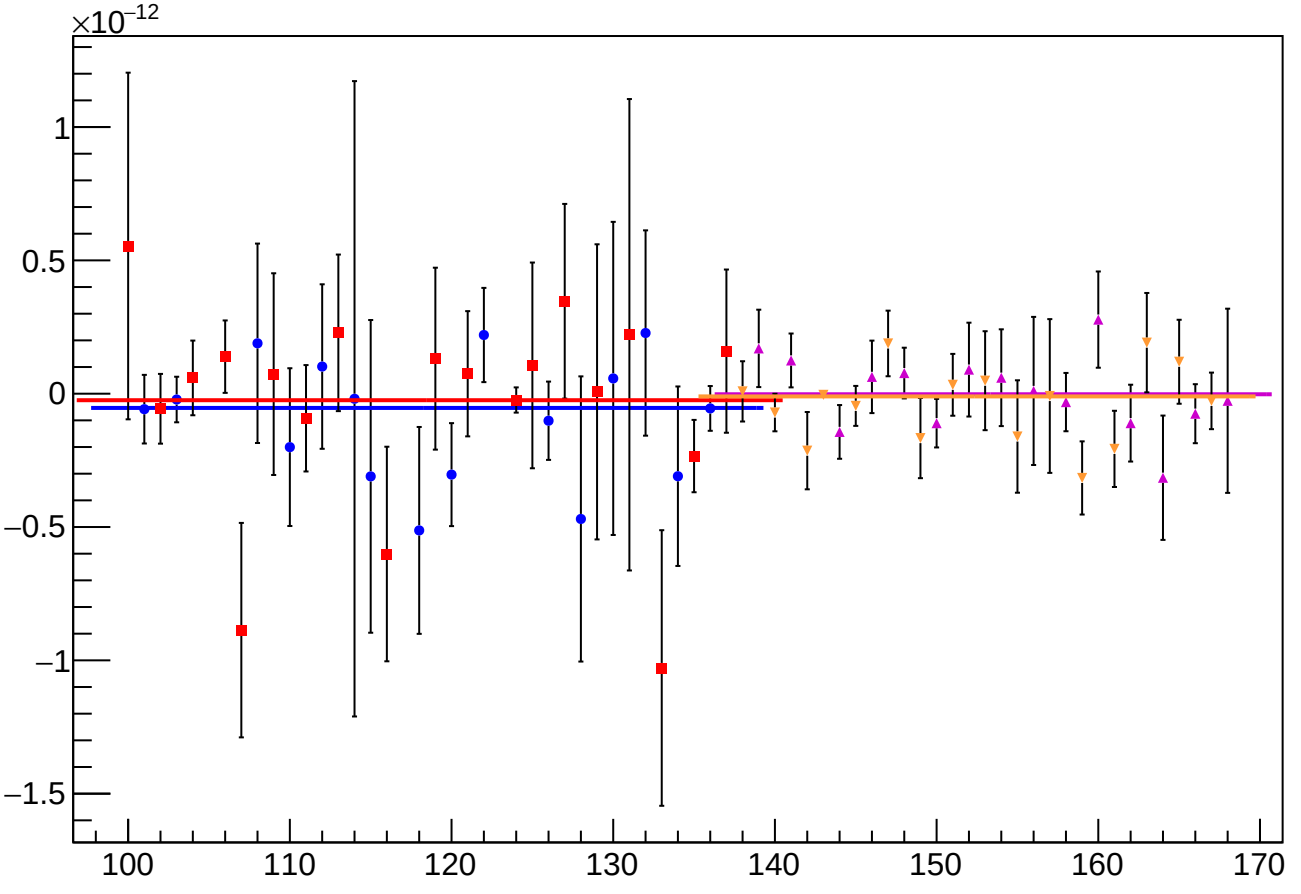
Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4874.293+/-0.997 χ^2/NDF:779569.0/14

+ sign 4019.878+/-0.659 χ^2/NDF: 2198626.3/31

All: 4024.109+/-0.468 χ^2/NDF: 4649386.7/65

- sign 4028.400+/-0.664 χ^2/NDF: 2450677.4/33



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

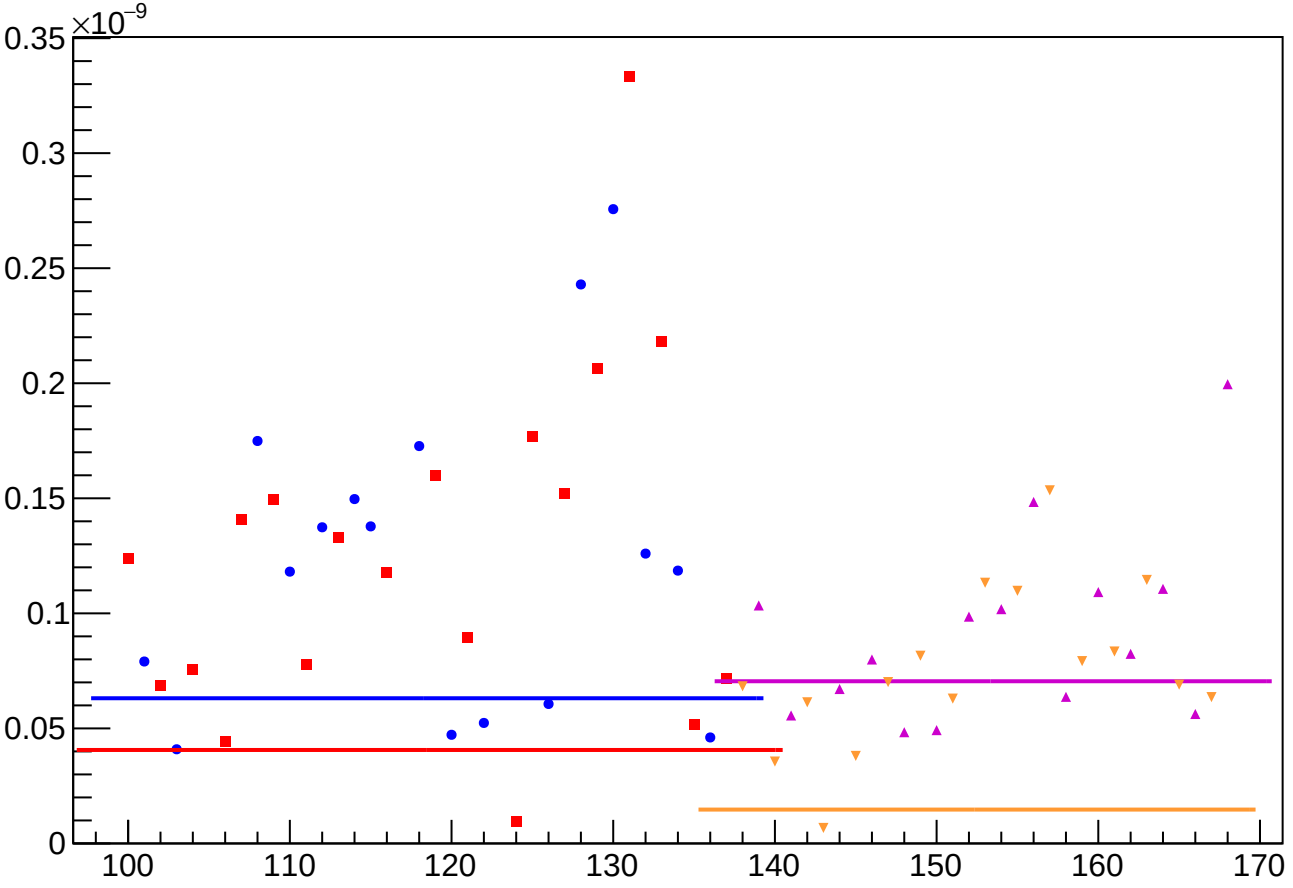
Left In: -0.000+/-0.000 χ^2/NDF:13.0/14

+ sign -0.000+/-0.000 χ^2/NDF: 25.8/31

All: -0.000+/-0.000 χ^2/NDF: 57.4/65

- sign -0.000+/-0.000 χ^2/NDF: 31.6/33

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:6511533.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

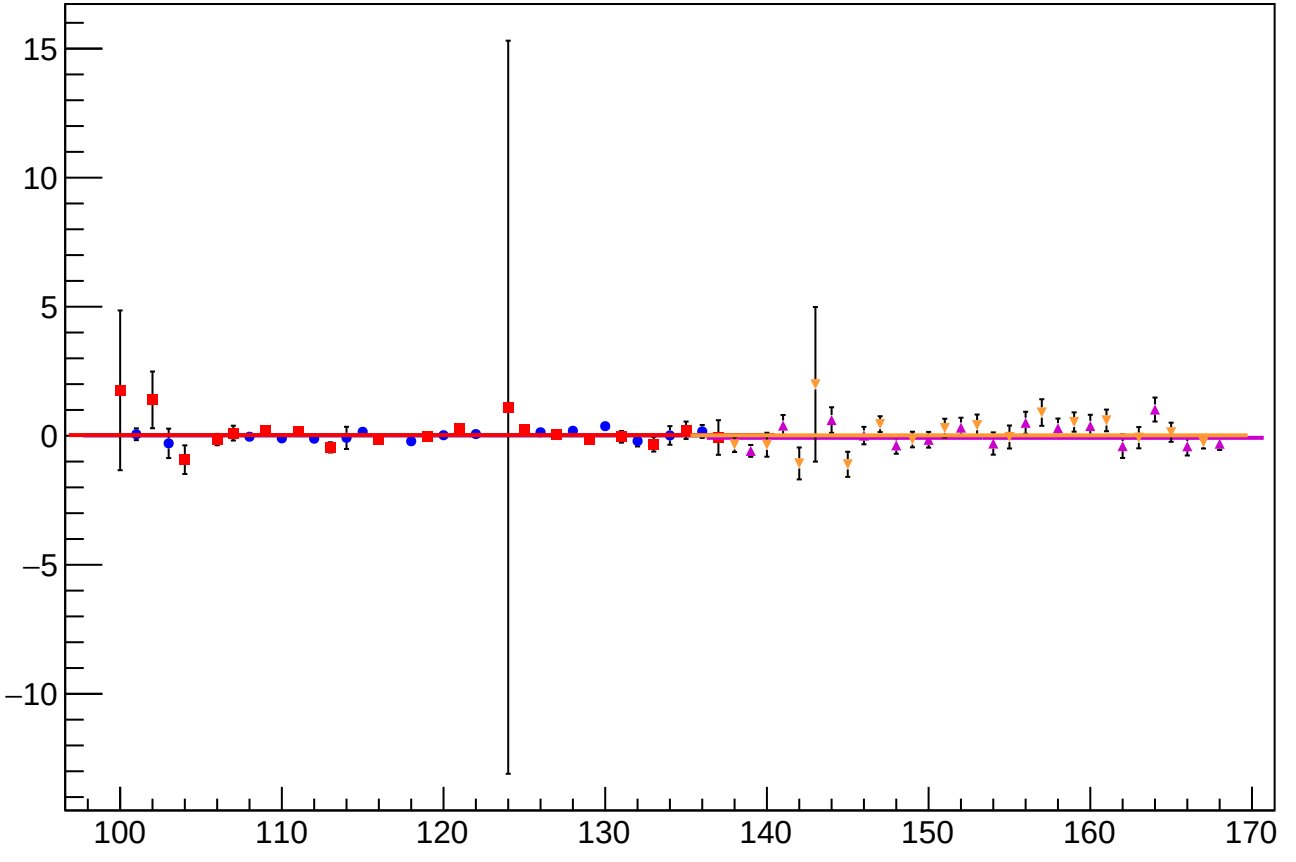
Left In: 0.000+/-0.000 χ^2/NDF:1129062.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 10152341.8/31

All: 0.000+/-0.000 χ^2/NDF: 19203926.6/65

- sign 0.000+/-0.000 χ^2/NDF: 5039215.7/33

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.017+/-0.095 χ^2/NDF:22.8/15

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

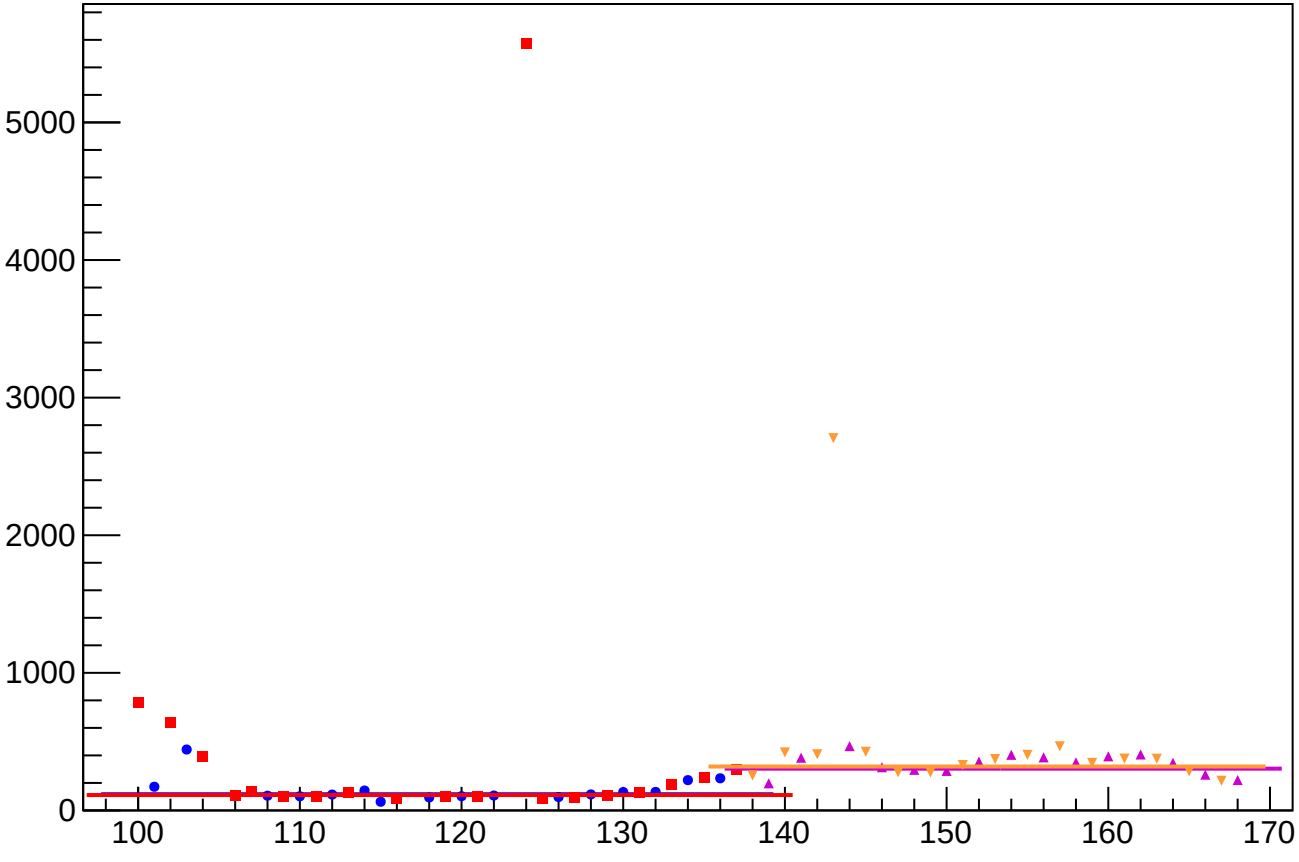
Left In: -0.080+/-0.090 χ^2/NDF:22.2/14

+ sign 0.016+/-0.043 χ^2/NDF: 34.6/31

All: 0.009+/-0.030 χ^2/NDF: 80.0/65

- sign 0.003+/-0.042 χ^2/NDF: 45.4/33

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 319.149+/-0.067 χ^2/NDF:2415619.6/15

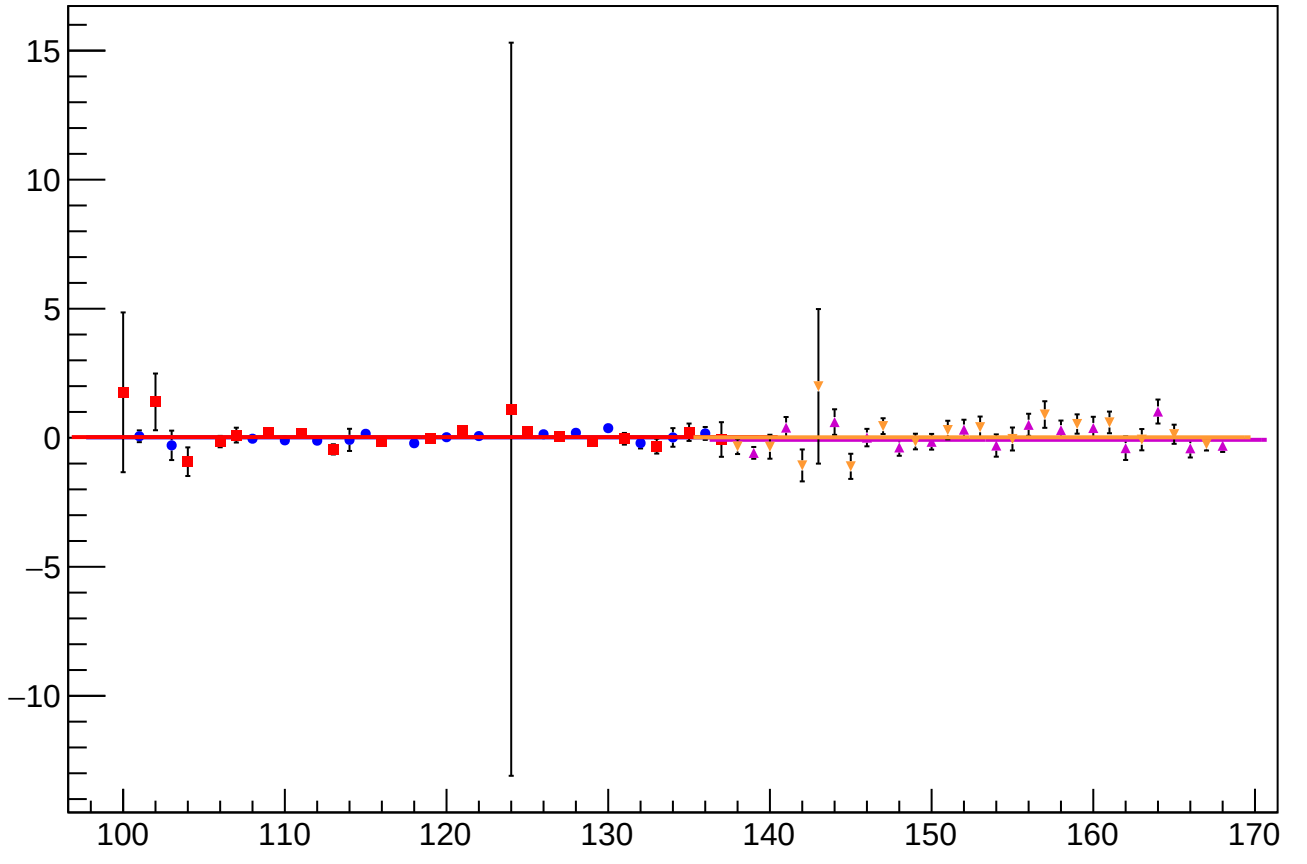
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 303.885+/-0.064 χ^2/NDF:1451548.0/14

+ sign 158.181+/-0.030 χ^2/NDF: 11259167.7/31

All: 155.417+/-0.021 χ^2/NDF: 22024421.6/65

- sign 152.808+/-0.029 χ^2/NDF: 10749041.4/33



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.017+/-0.095 χ^2/NDF:22.8/15

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

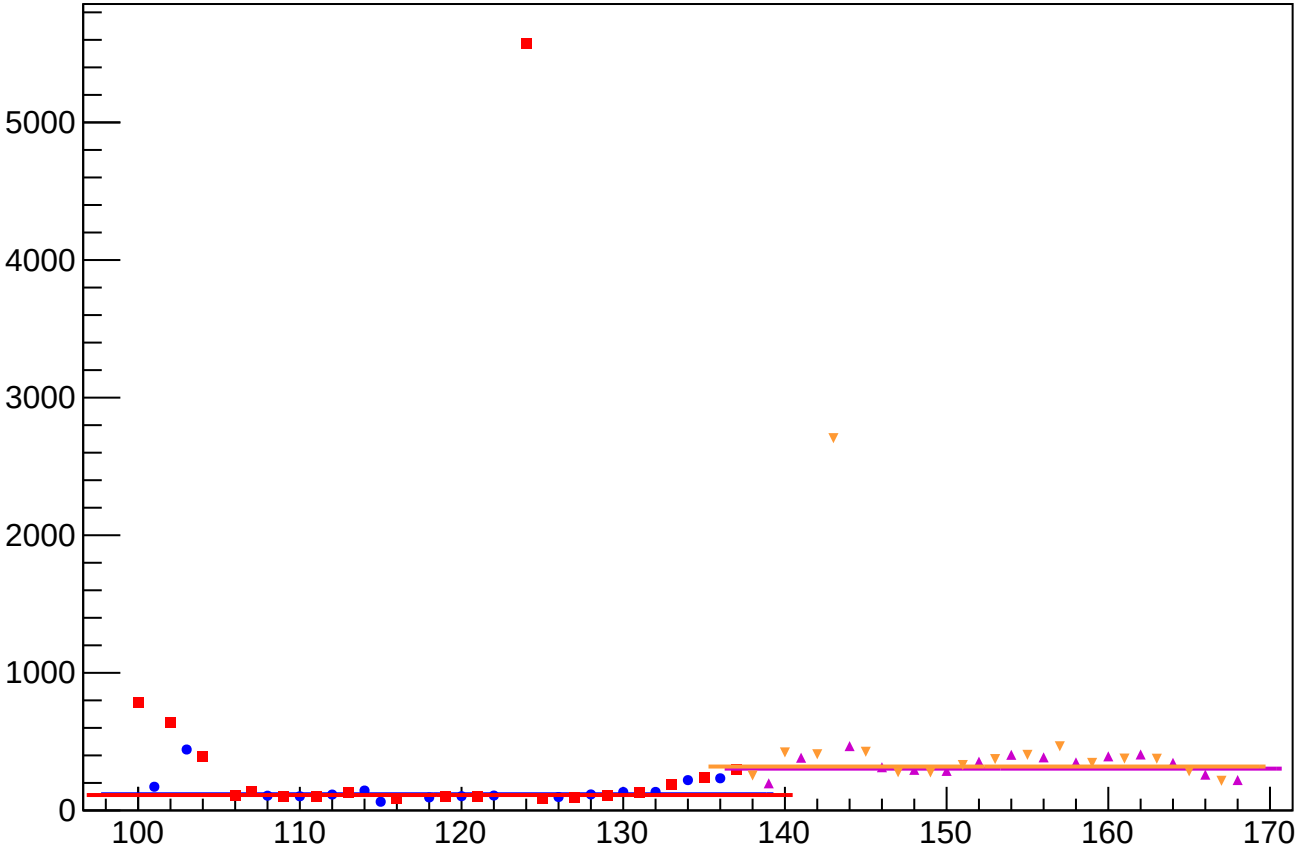
Left In: -0.080+/-0.090 χ^2/NDF:22.2/14

+ sign 0.016+/-0.043 χ^2/NDF: 34.6/31

All: 0.009+/-0.030 χ^2/NDF: 80.0/65

- sign 0.003+/-0.042 χ^2/NDF: 45.4/33

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: 319.149+/-0.067 χ^2/NDF:2415619.6/15

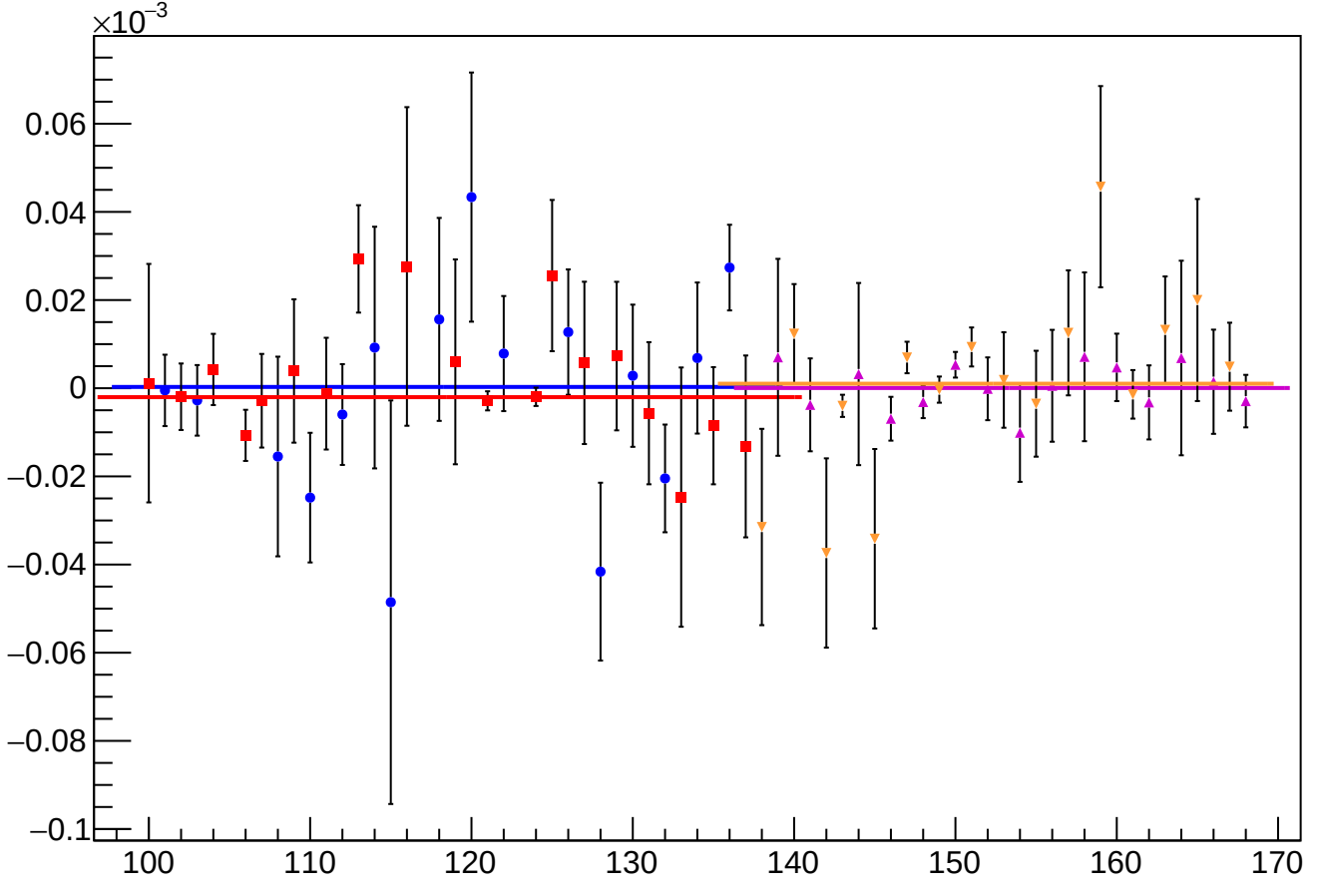
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 303.885+/-0.064 χ^2/NDF:1451548.0/14

+ sign 158.181+/-0.030 χ^2/NDF: 11259167.7/31

All: 155.417+/-0.021 χ^2/NDF: 22024421.6/65

- sign 152.808+/-0.029 χ^2/NDF: 10749041.4/33



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/15

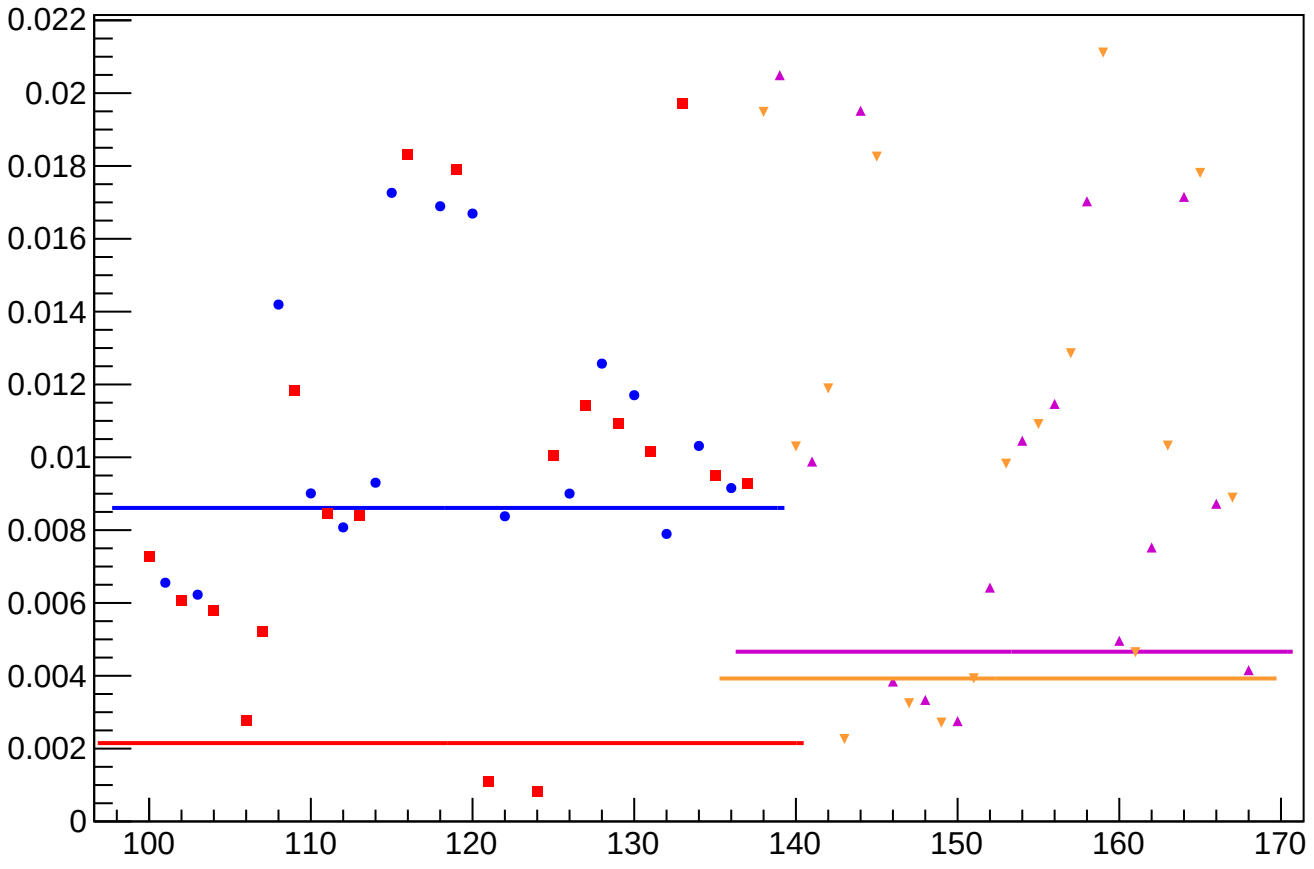
Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 50.7/31

All: -0.000+/-0.000 χ^2/NDF: 76.1/65

- sign -0.000+/-0.000 χ^2/NDF: 23.8/33



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:9178808.0/15

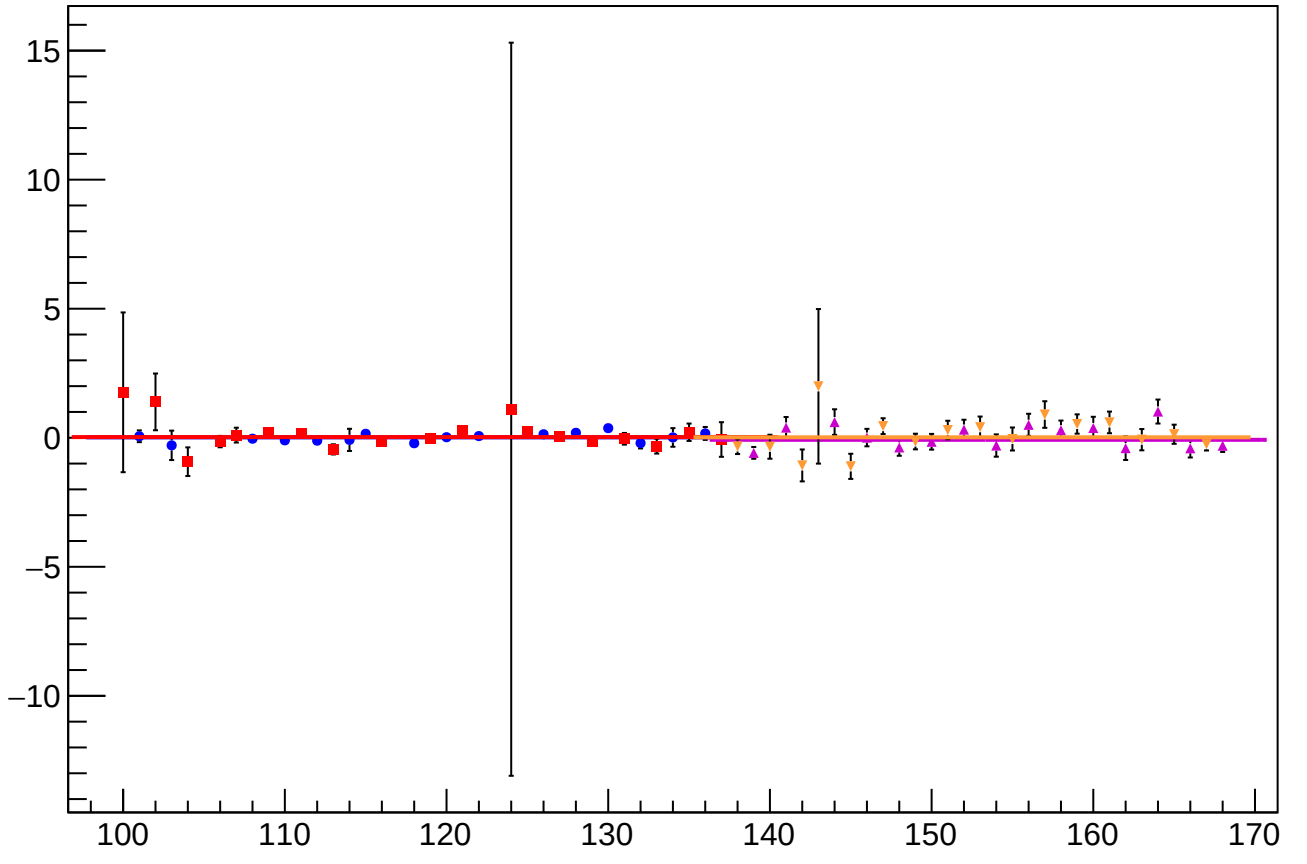
Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.005+/-0.000 χ^2/NDF:6901940.2/14

\+ sign 0.005+/-0.000 χ^2/NDF: 13559570.7/31

All: 0.004+/-0.000 χ^2/NDF: 33899019.0/65

\- sign 0.003+/-0.000 χ^2/NDF: 18711126.0/33



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.017+/-0.095 χ^2/NDF:22.8/15

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

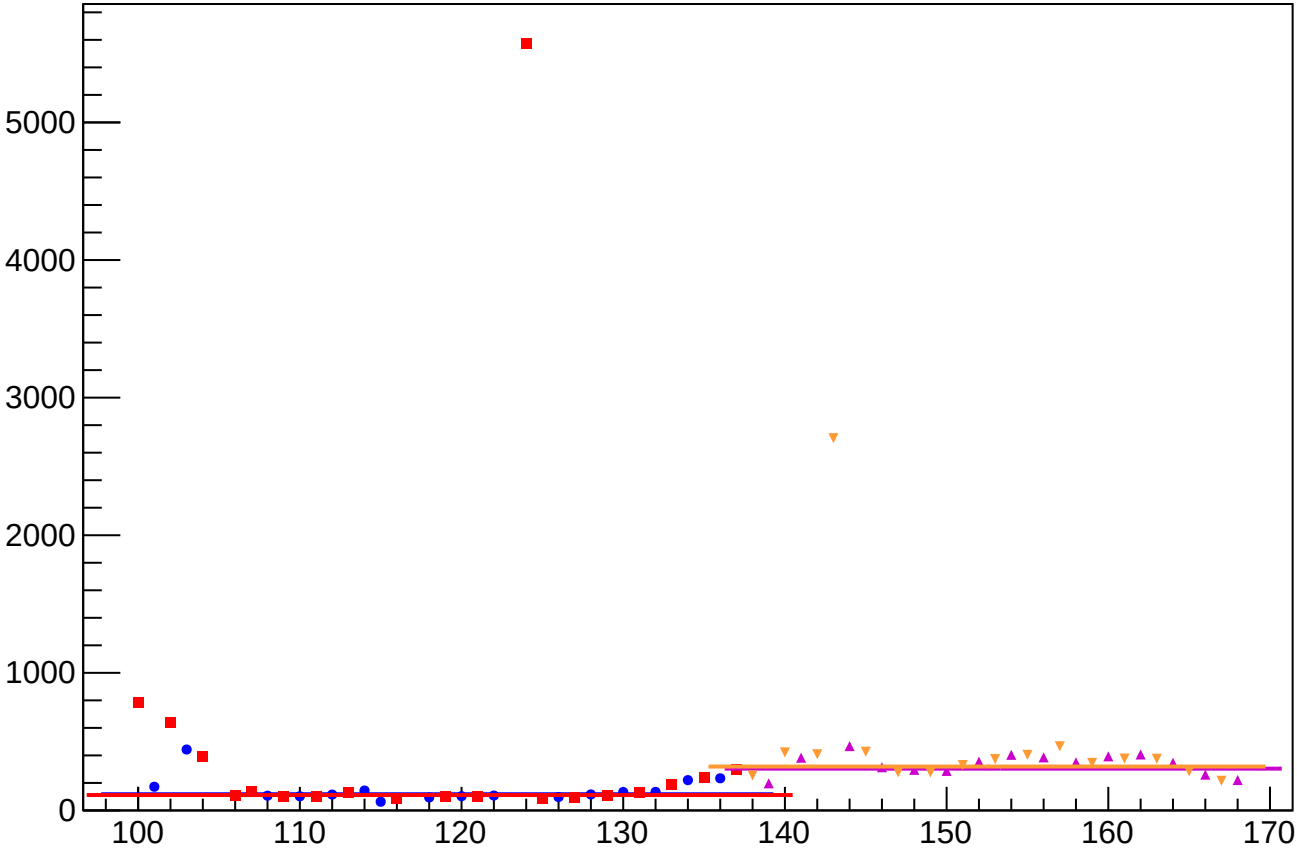
Left In: -0.080+/-0.090 χ^2/NDF:22.2/14

+ sign 0.016+/-0.043 χ^2/NDF: 34.6/31

All: 0.009+/-0.030 χ^2/NDF: 80.0/65

- sign 0.003+/-0.042 χ^2/NDF: 45.4/33

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: 319.152+/-0.067 χ^2/NDF:2415682.8/15

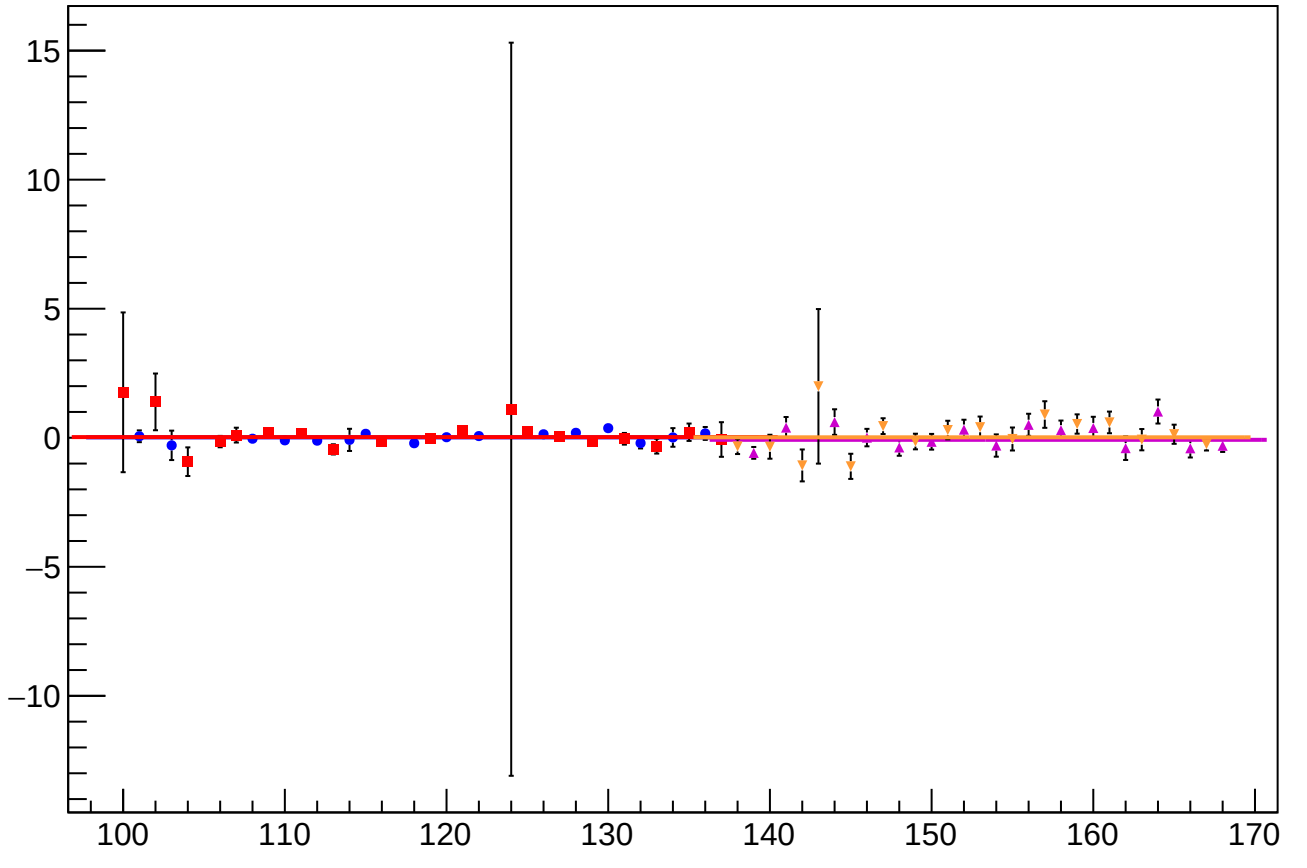
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 303.889+/-0.064 χ^2/NDF:1451550.6/14

+ sign 158.181+/-0.030 χ^2/NDF: 11259298.6/31

All: 155.418+/-0.021 χ^2/NDF: 22024479.3/65

- sign 152.810+/-0.029 χ^2/NDF: 10748980.6/33



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.017+/-0.095 χ^2/NDF:22.8/15

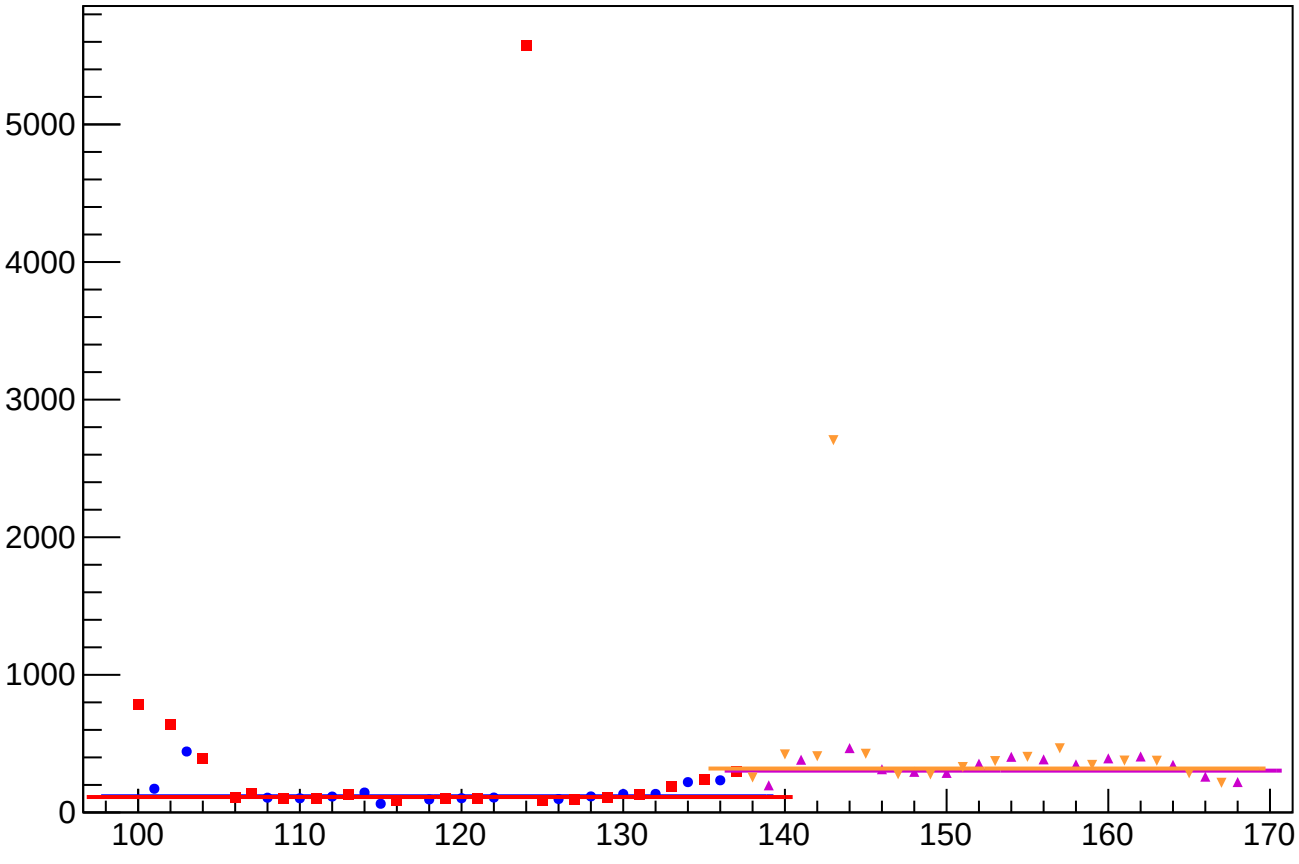
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.080+/-0.090 χ^2/NDF:22.2/14

+ sign 0.016+/-0.043 χ^2/NDF: 34.6/31

All: 0.009+/-0.030 χ^2/NDF: 80.0/65

- sign 0.003+/-0.042 χ^2/NDF: 45.4/33



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 319.152+/-0.067 χ^2/NDF:2415682.8/15

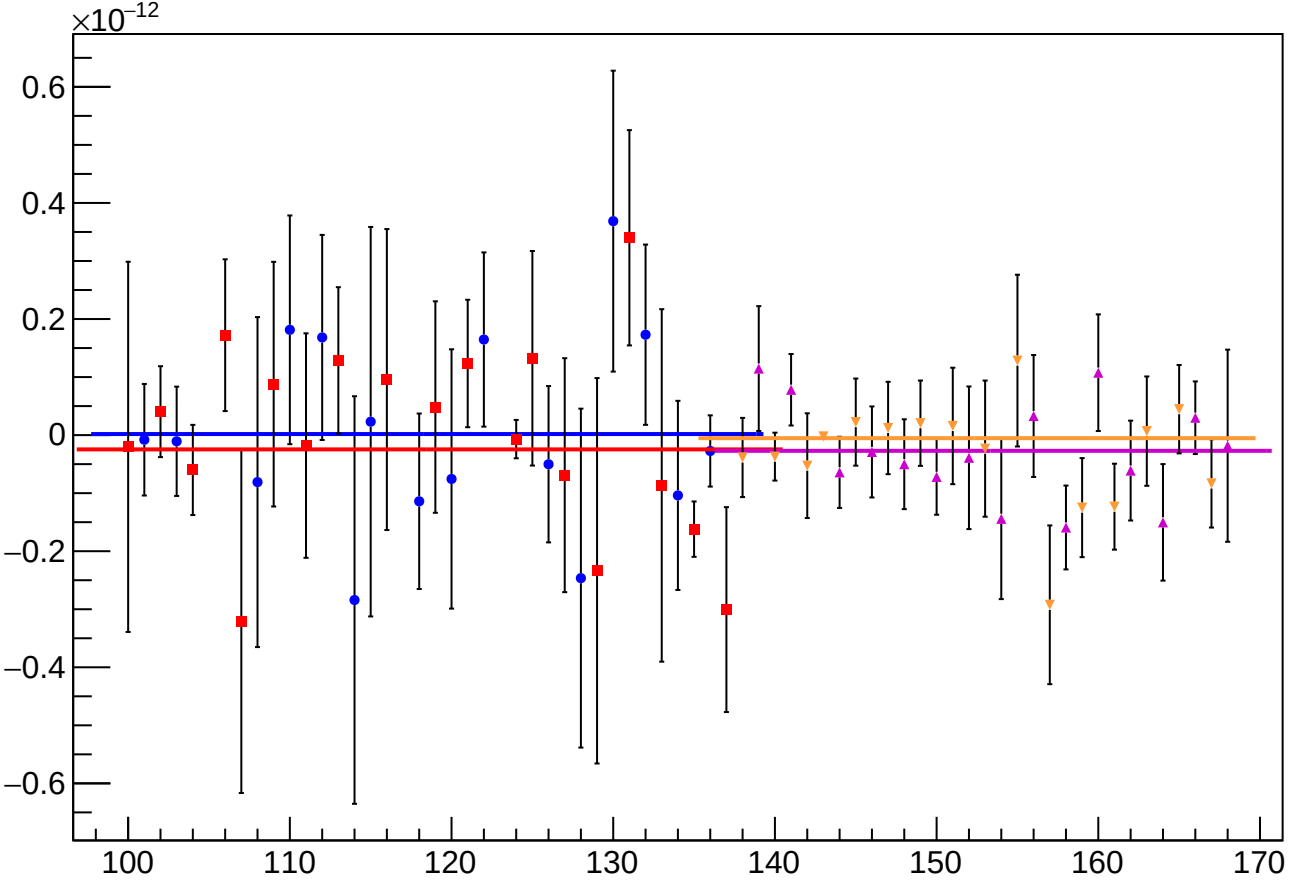
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

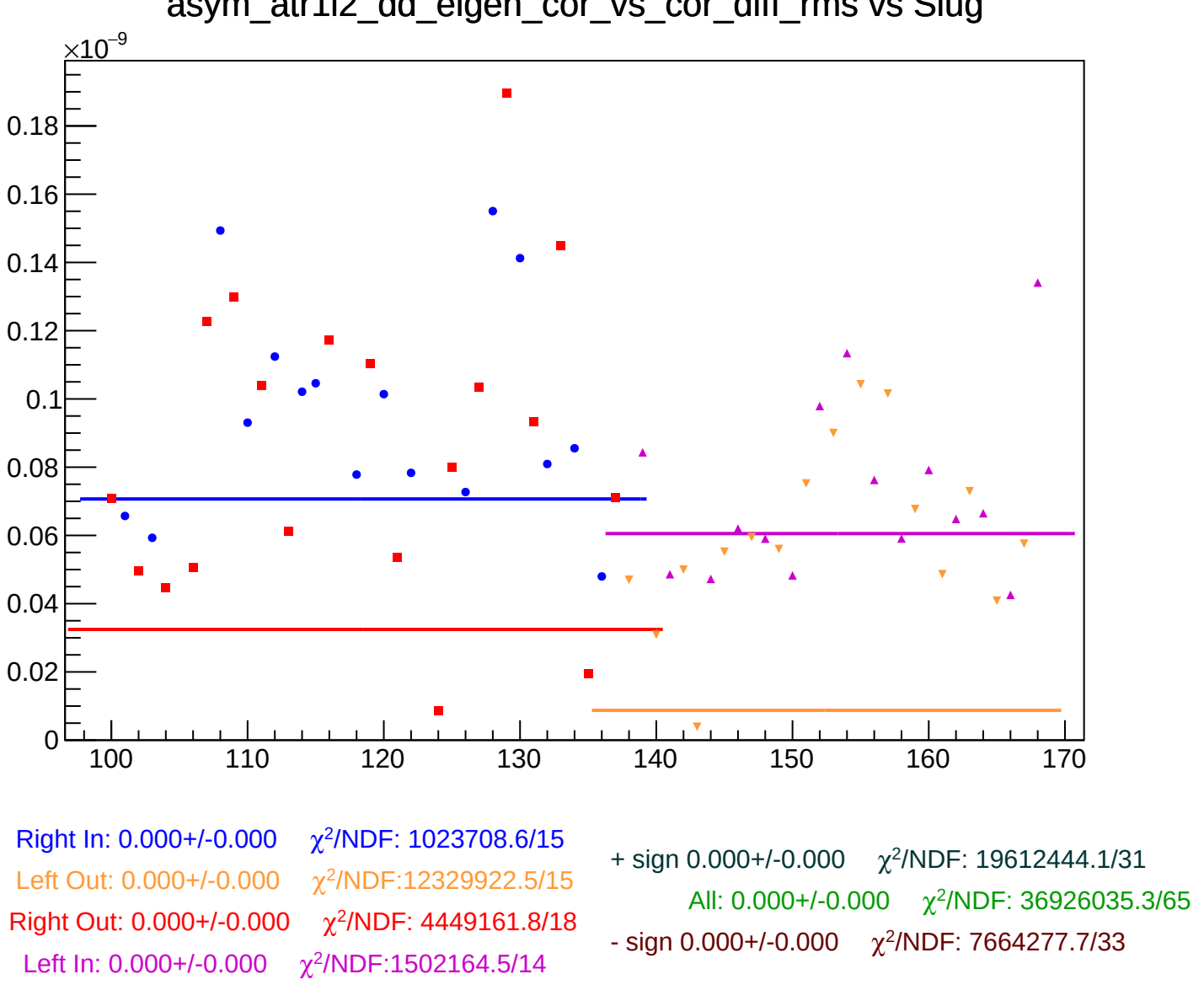
Left In: 303.889+/-0.064 χ^2/NDF:1451550.6/14

+ sign 158.181+/-0.030 χ^2/NDF: 11259298.6/31

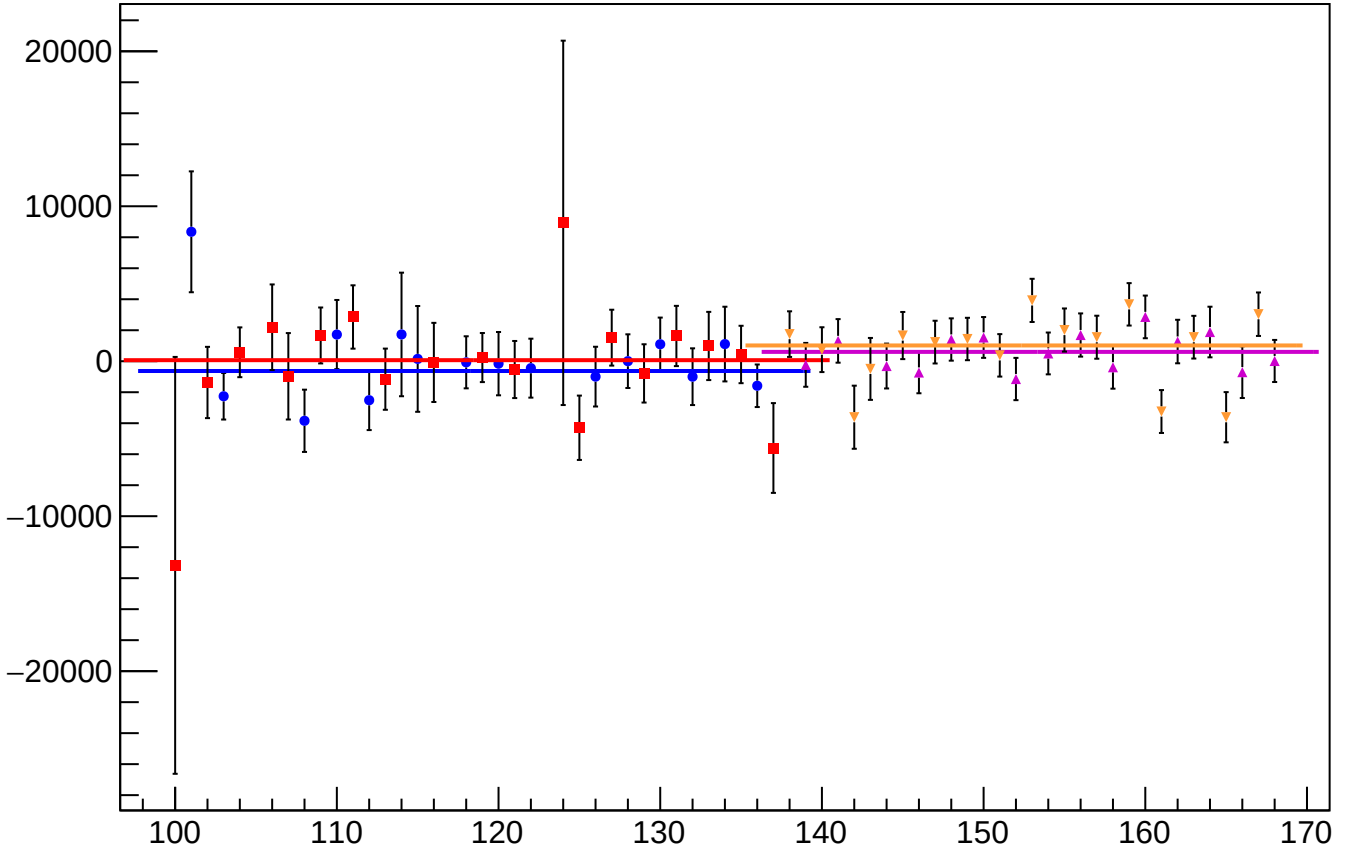
All: 155.418+/-0.021 χ^2/NDF: 22024479.3/65

- sign 152.810+/-0.029 χ^2/NDF: 10748980.6/33


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:12.9/15
Right Out: -0.000+/-0.000 χ²/NDF: 24.2/18
Left In: -0.000+/-0.000 χ²/NDF:14.3/14
+ sign -0.000+/-0.000 χ²/NDF: 22.1/31
All: -0.000+/-0.000 χ²/NDF: 62.2/65
- sign -0.000+/-0.000 χ²/NDF: 38.5/33


asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1023708.6/15
Left Out: 0.000+/-0.000 χ²/NDF:12329922.5/15
Right Out: 0.000+/-0.000 χ²/NDF: 4449161.8/18
Left In: 0.000+/-0.000 χ²/NDF:1502164.5/14
+ sign 0.000+/-0.000 χ²/NDF: 19612444.1/31
All: 0.000+/-0.000 χ²/NDF: 36926035.3/65
- sign 0.000+/-0.000 χ²/NDF: 7664277.7/33

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.080+/-365.671 χ^2/NDF:35.2/15

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

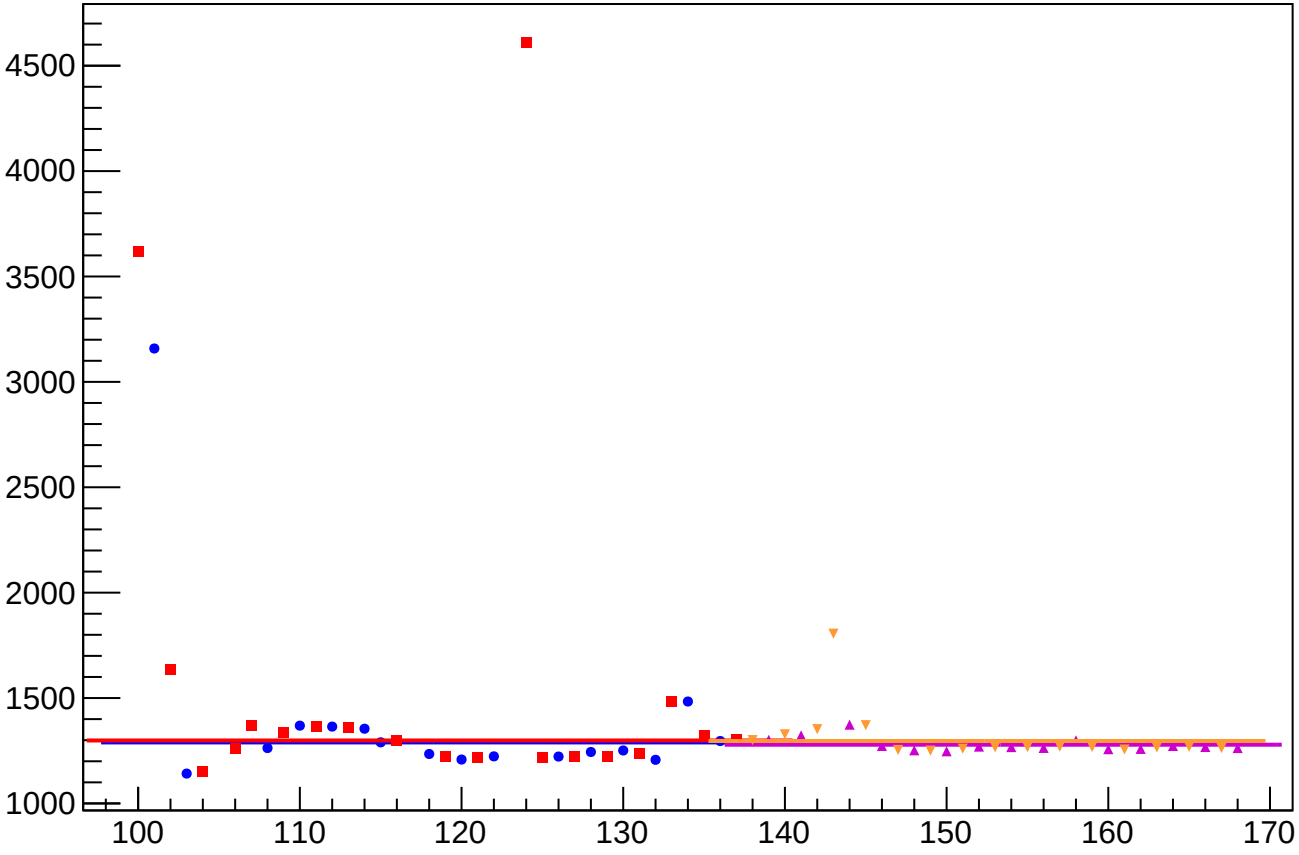
Left In: 602.937+/-363.027 χ^2/NDF:9.9/14

\+ sign 426.111+/-292.774 χ^2/NDF: 56.4/31

All: 419.077+/-206.471 χ^2/NDF: 83.0/65

\- sign 412.118+/-291.220 χ^2/NDF: 26.6/33

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

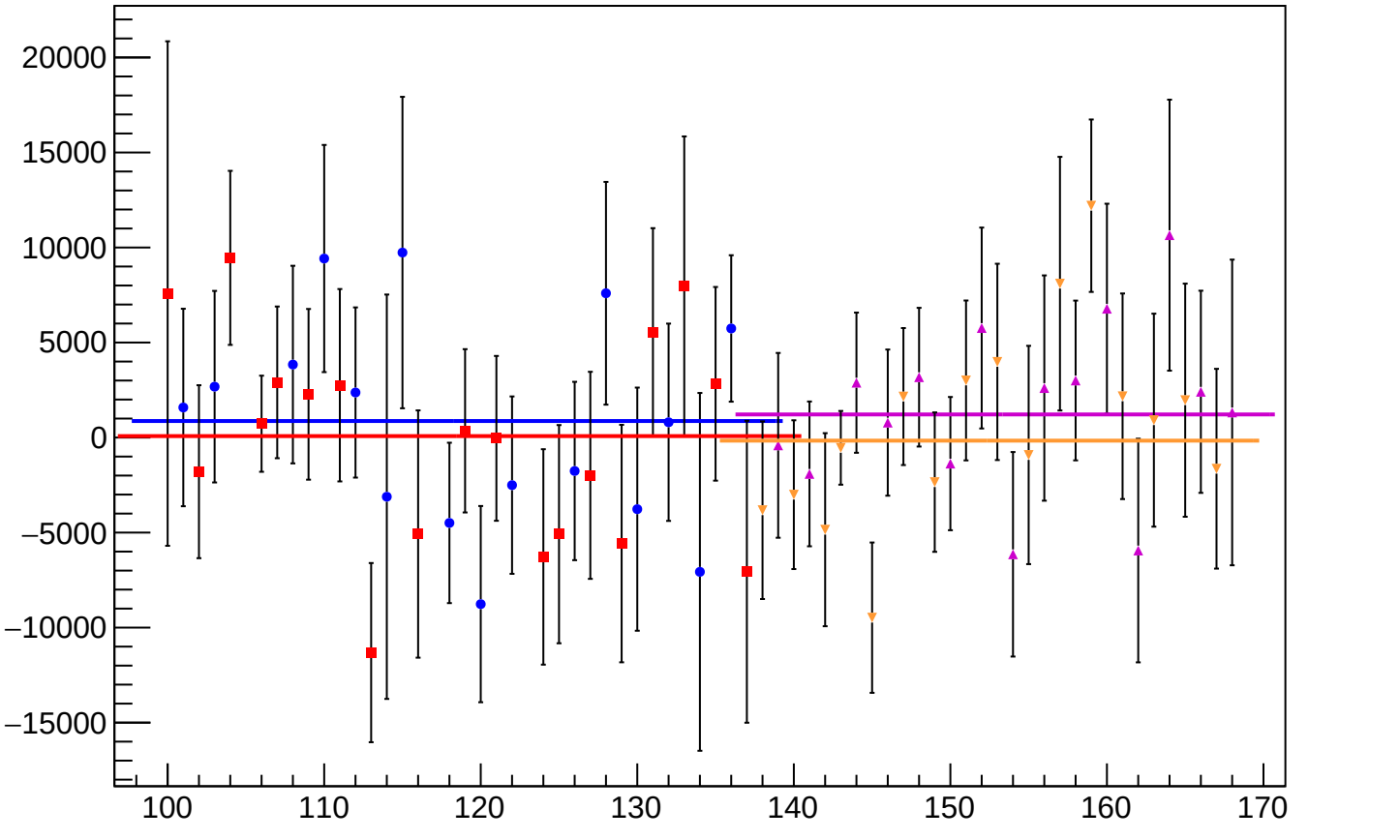
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

+ sign 1293.746+/-0.207 χ^2/NDF: 665500.6/31

All: 1289.739+/-0.146 χ^2/NDF: 1003012.3/65

- sign 1285.781+/-0.206 χ^2/NDF: 336766.8/33



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -161.938+/-1023.263 χ^2/NDF:19.0/15

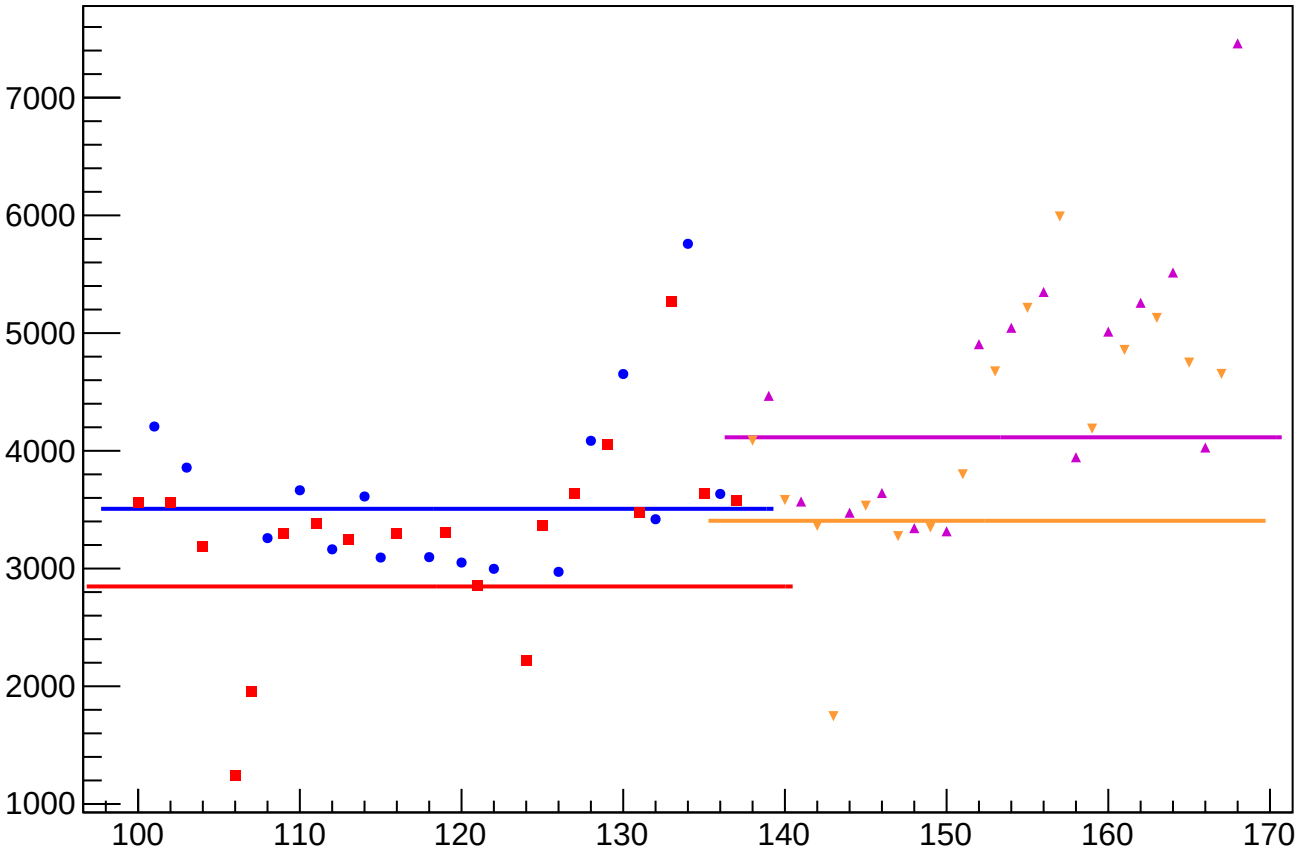
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1216.556+/-1198.349 χ^2/NDF:9.0/14

+ sign 223.596+/-809.934 χ^2/NDF: 33.4/31

All: 412.643+/-574.407 χ^2/NDF: 61.3/65

- sign 603.948+/-814.757 χ^2/NDF: 27.8/33



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3405.727+/-0.724 χ^2/NDF:2754433.7/15

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

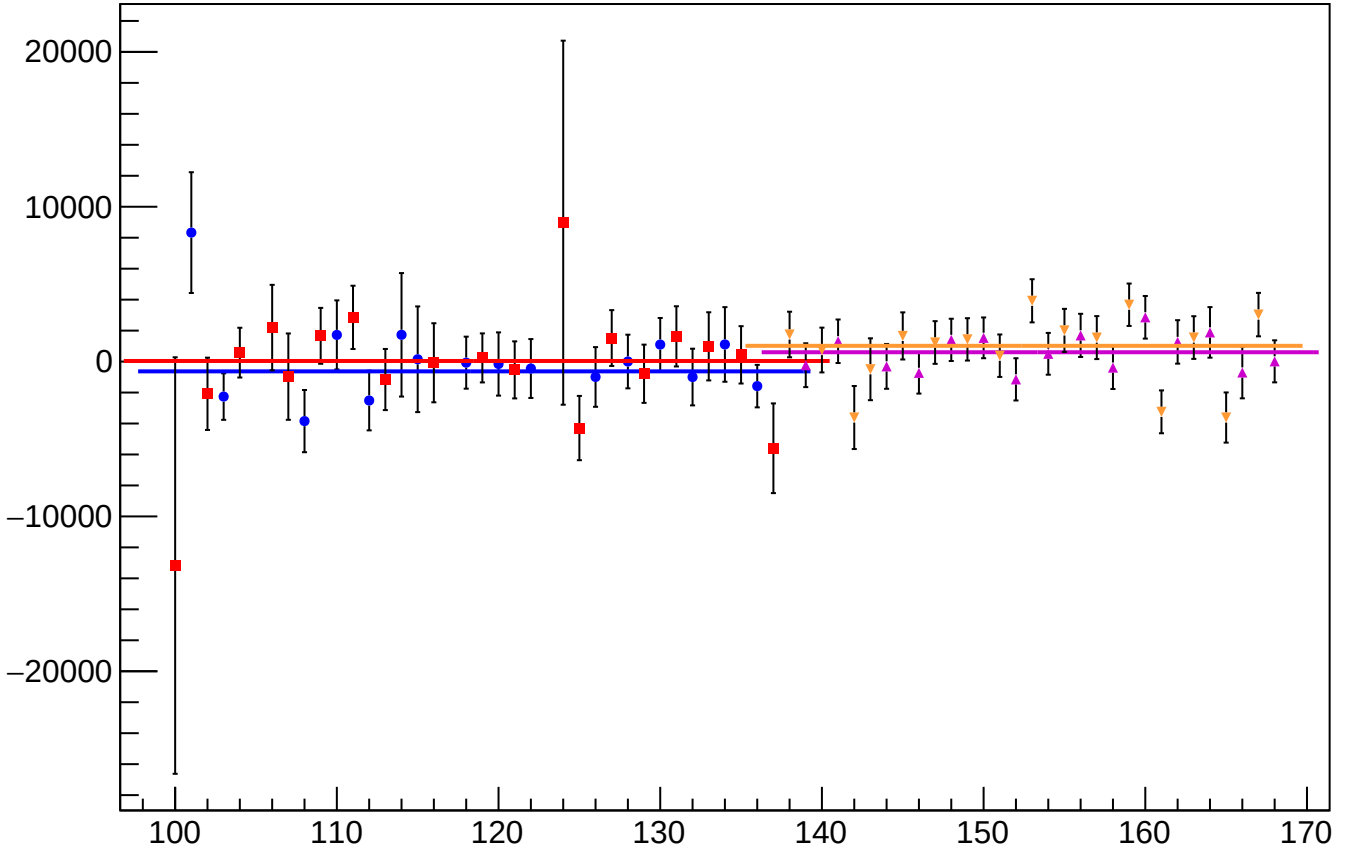
Left In: 4114.845+/-0.847 χ^2/NDF:1081883.1/14

+ sign 3443.700+/-0.573 χ^2/NDF: 3115787.2/31

All: 3438.643+/-0.406 χ^2/NDF: 6899449.6/65

- sign 3433.525+/-0.576 χ^2/NDF: 3783505.6/33

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.118+/-365.671 χ^2/NDF:35.2/15

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

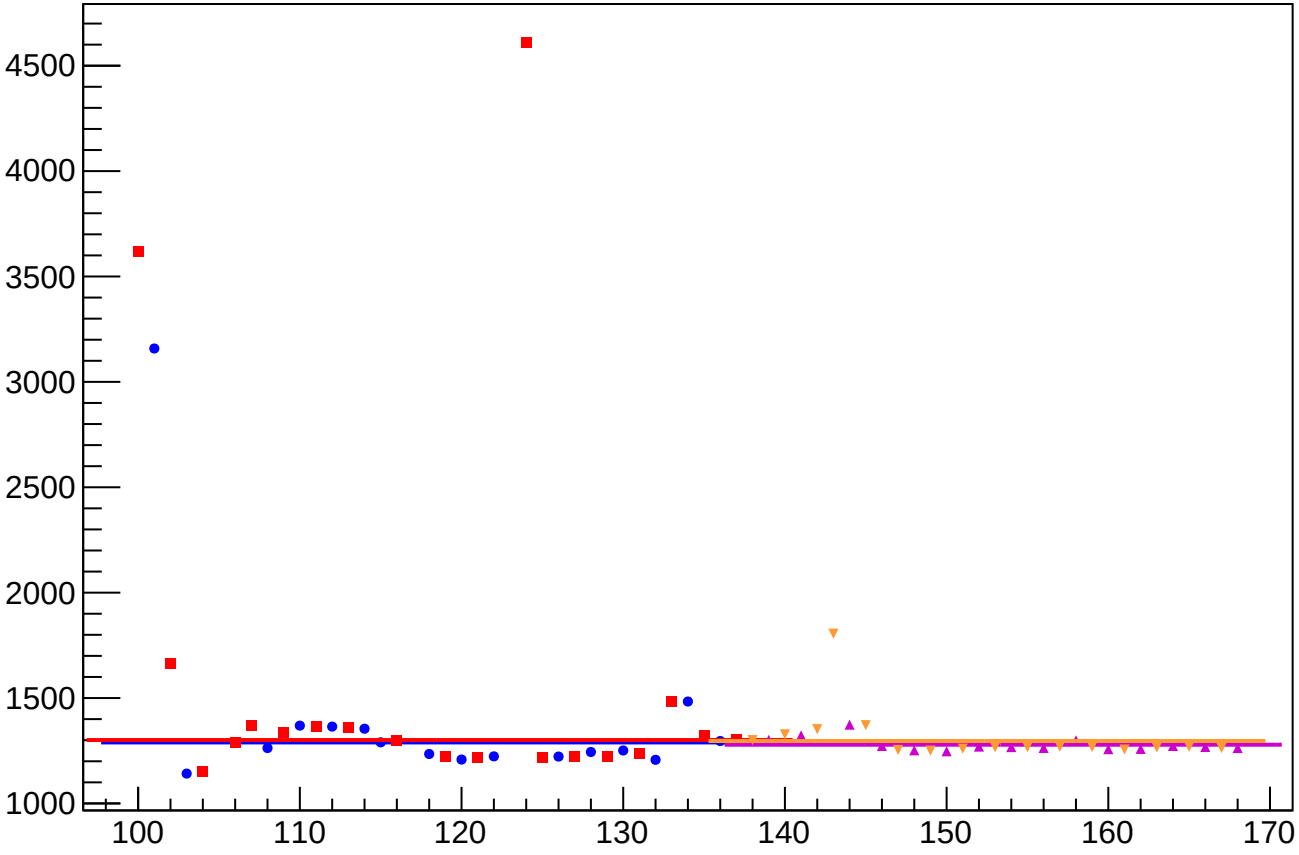
Left In: 602.935+/-363.027 χ^2/NDF:9.9/14

+ sign 425.997+/-292.774 χ^2/NDF: 56.4/31

All: 413.909+/-206.496 χ^2/NDF: 83.5/65

- sign 401.943+/-291.289 χ^2/NDF: 27.1/33

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

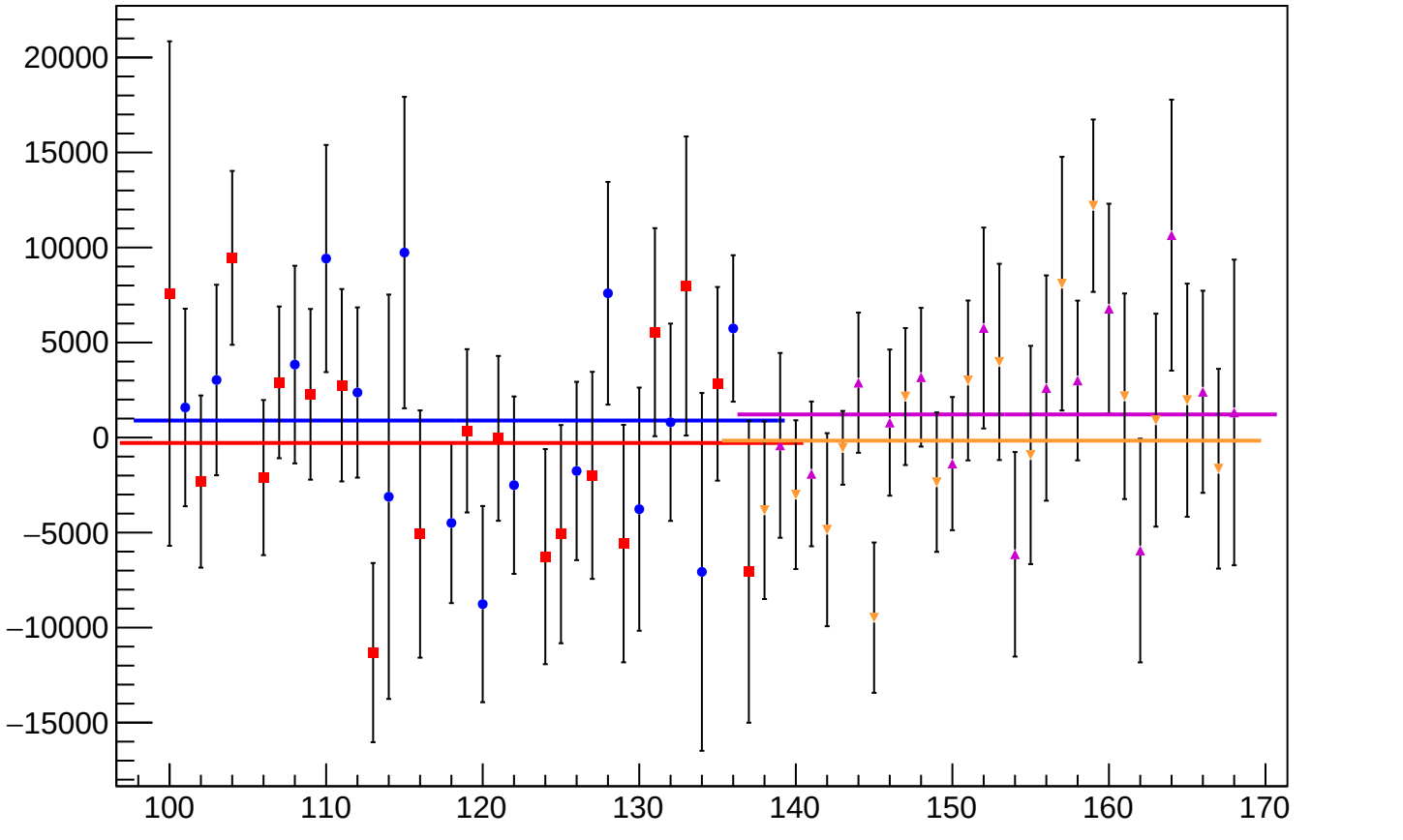
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

+ sign 1293.746+/-0.207 χ^2/NDF: 665502.1/31

All: 1290.098+/-0.146 χ^2/NDF: 1009878.0/65

- sign 1286.492+/-0.206 χ^2/NDF: 343758.5/33



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -161.836+/-1023.261 χ^2/NDF:19.0/15

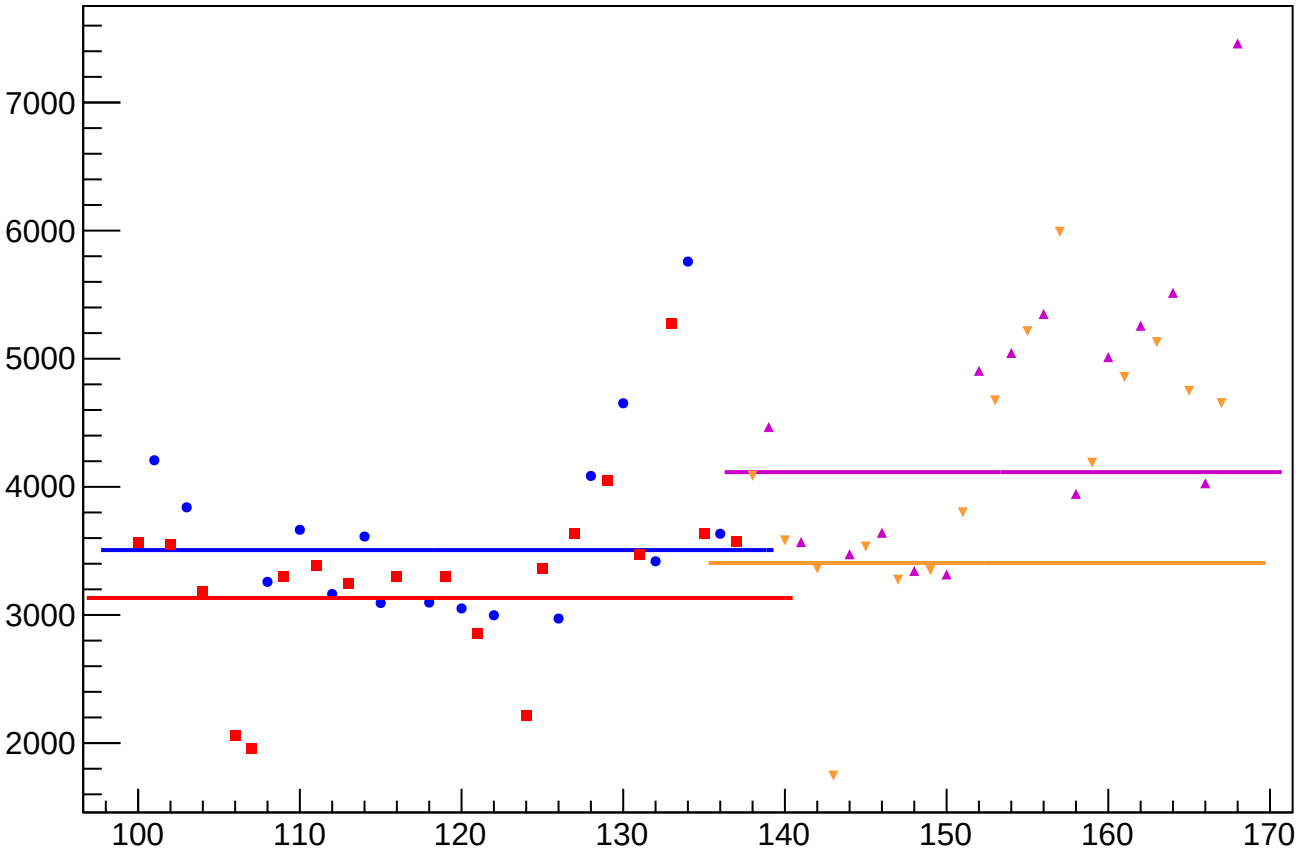
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1216.598+/-1198.348 χ^2/NDF:9.0/14

+ sign 233.436+/-809.829 χ^2/NDF: 33.4/31

All: 340.755+/-583.658 χ^2/NDF: 61.9/65

- sign 456.755+/-841.943 χ^2/NDF: 28.4/33



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3405.717+/-0.724 χ^2/NDF:2754464.2/15

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

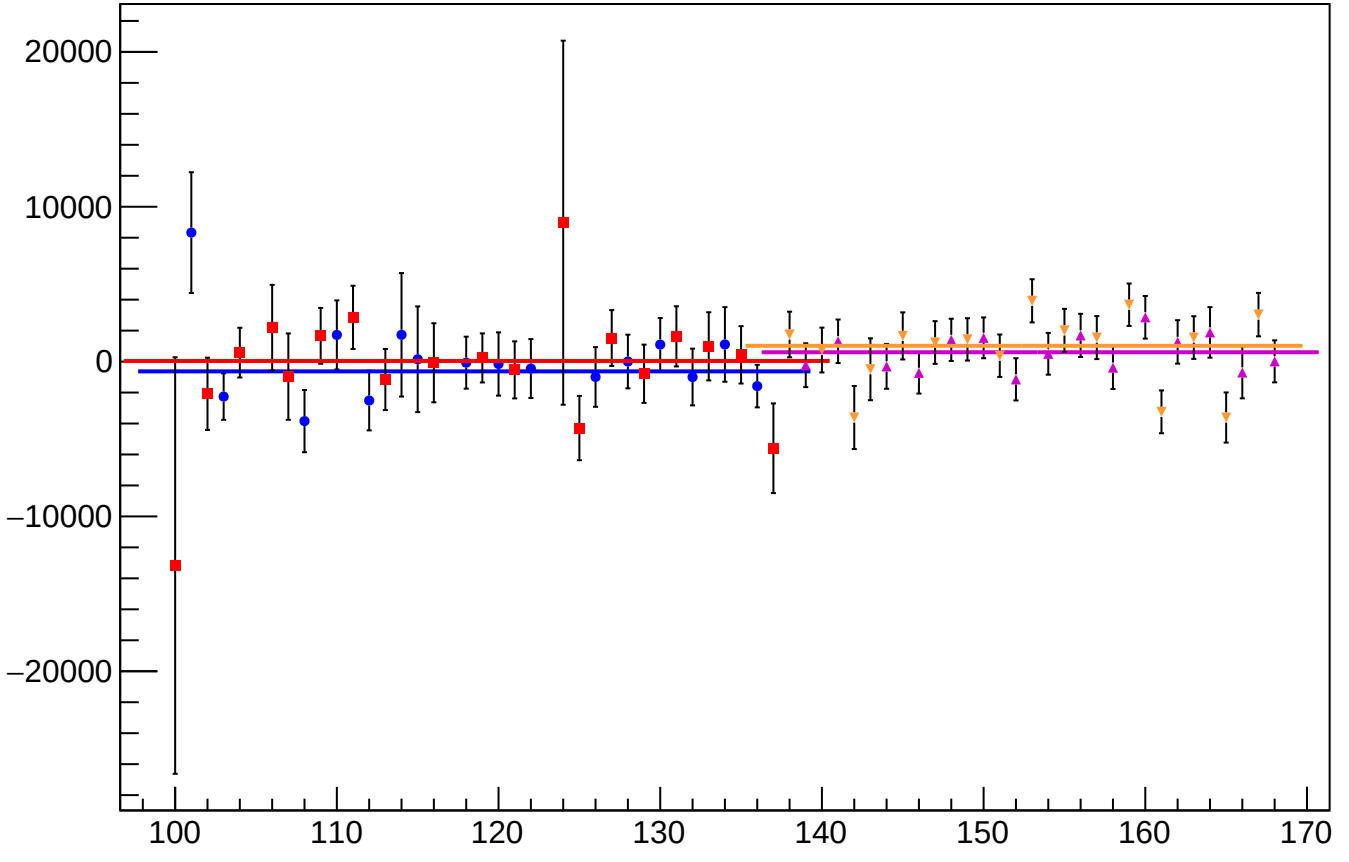
Left In: 4114.841+/-0.847 χ^2/NDF:1081884.2/14

+ sign 3443.369+/-0.573 χ^2/NDF: 3114949.0/31

All: 3527.028+/-0.413 χ^2/NDF: 5571285.3/65

- sign 3617.454+/-0.595 χ^2/NDF: 2411922.6/33

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: 1018.118+/-365.671 χ^2/NDF:35.2/15

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

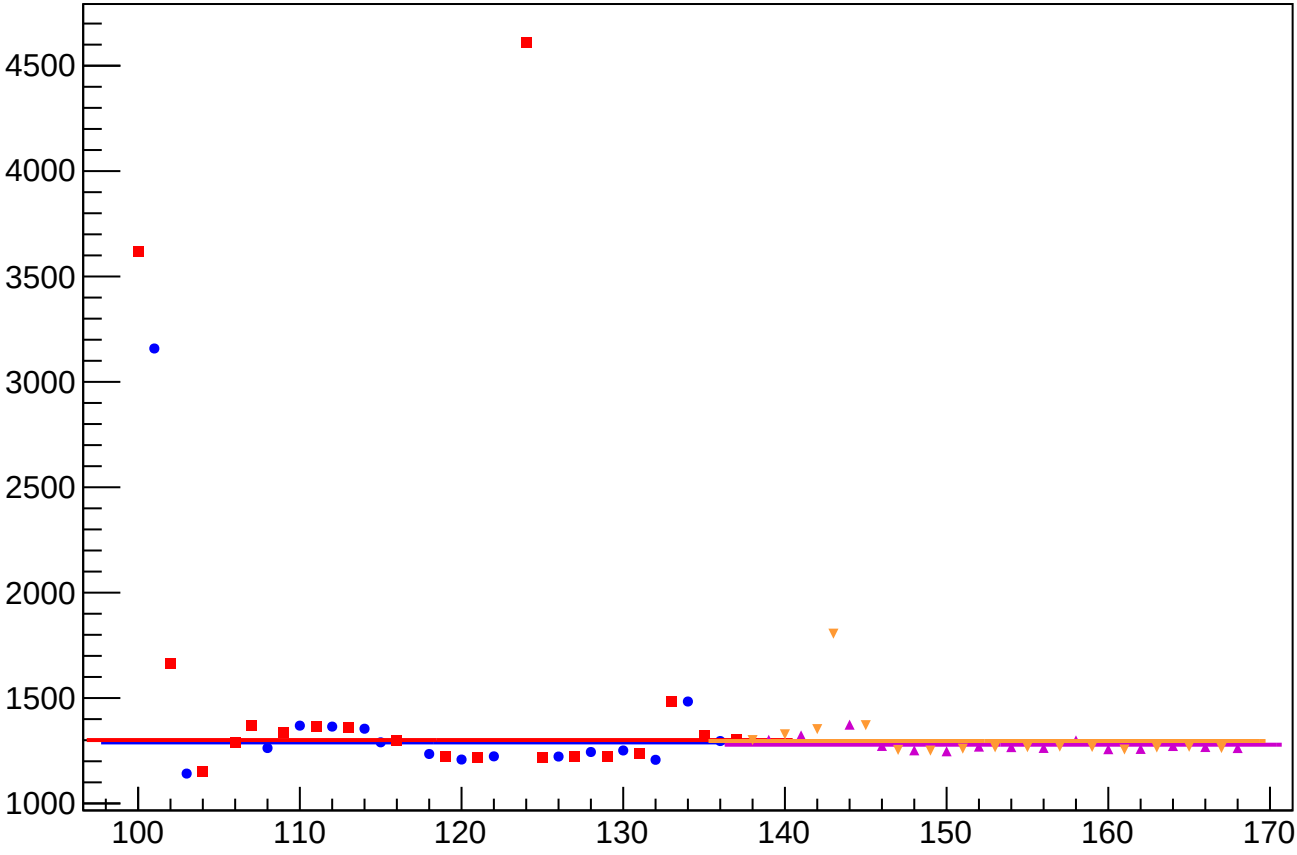
Left In: 602.935+/-363.027 χ^2/NDF:9.9/14

+ sign 425.997+/-292.774 χ^2/NDF: 56.4/31

All: 413.909+/-206.496 χ^2/NDF: 83.5/65

- sign 401.943+/-291.289 χ^2/NDF: 27.1/33

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: 1296.143+/-0.259 χ^2/NDF:150586.2/15

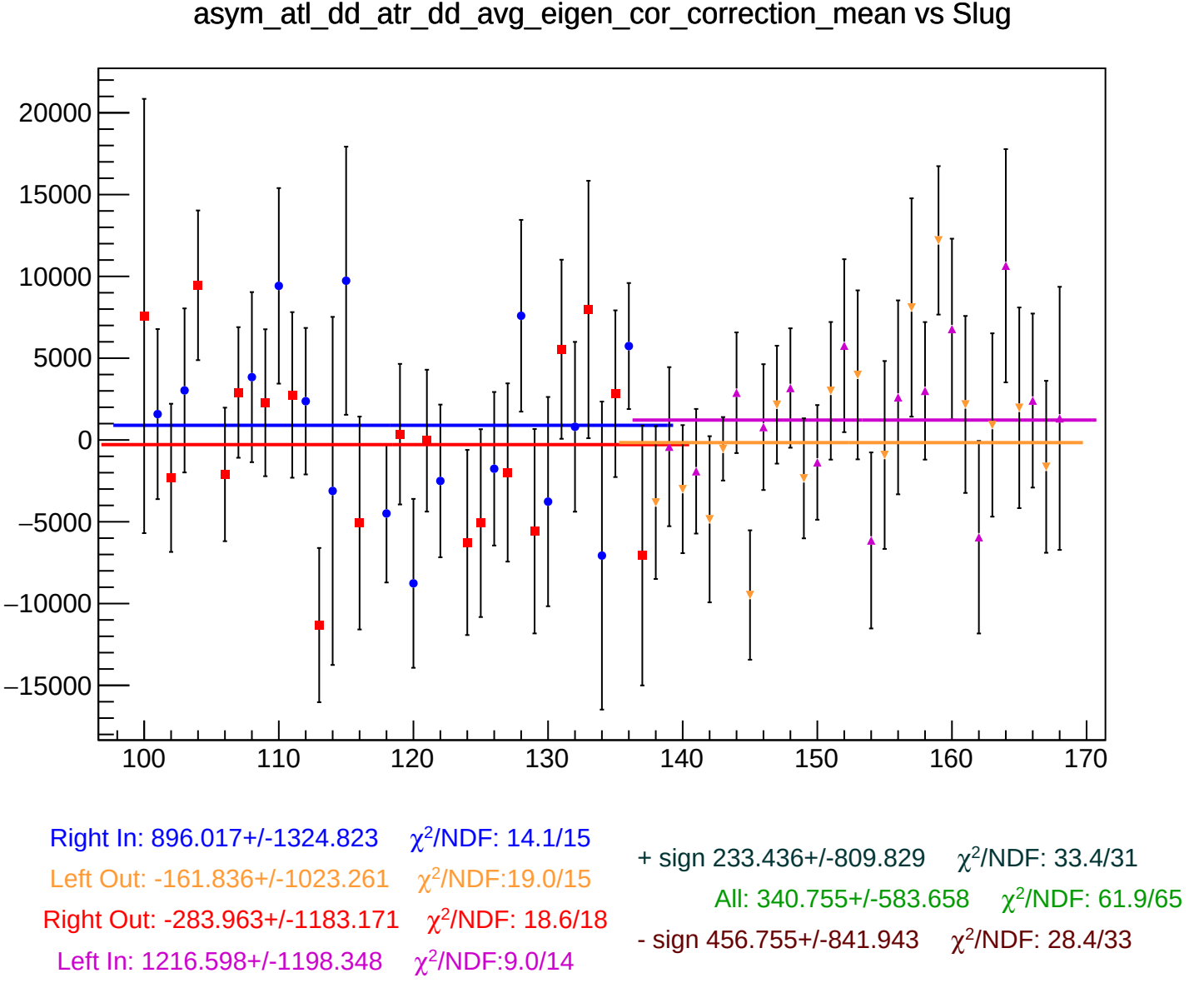
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

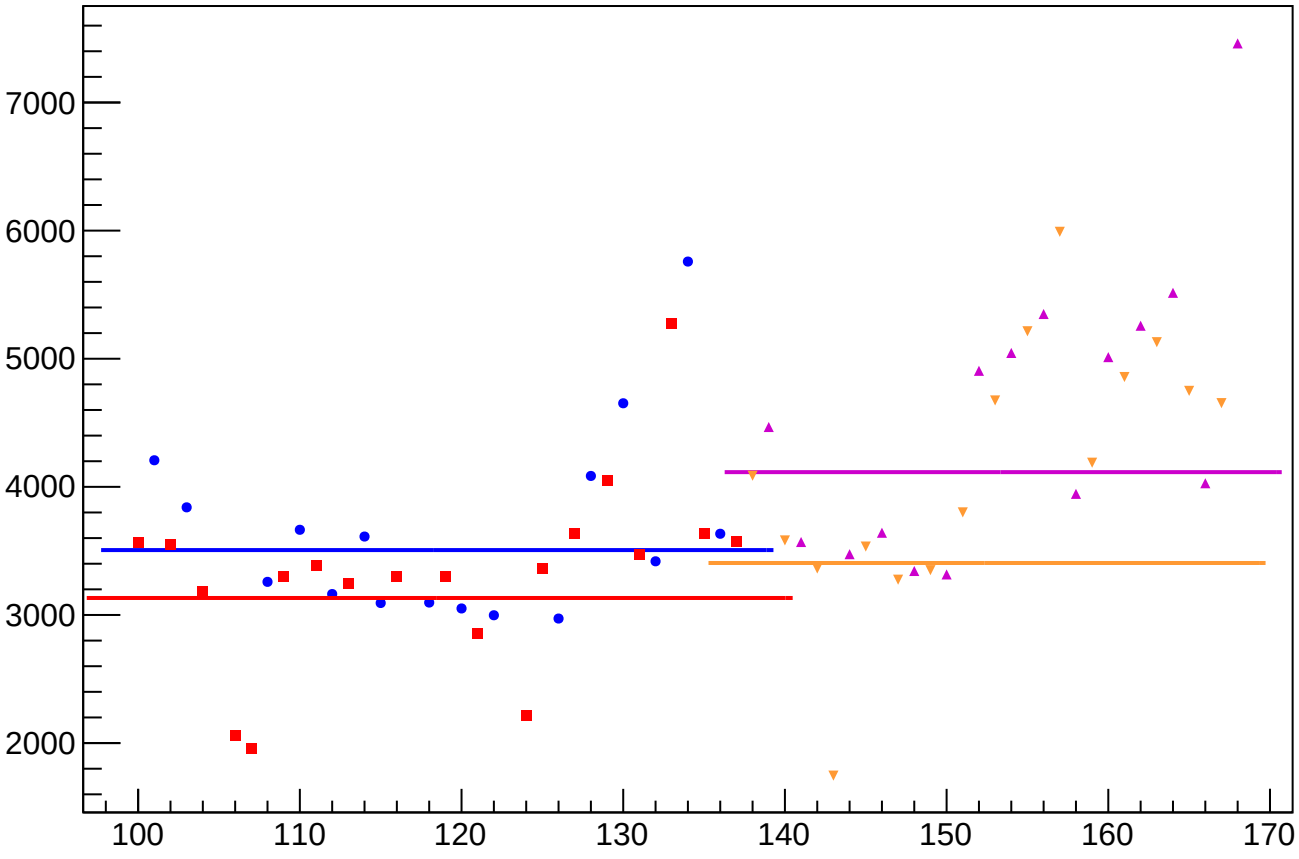
Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

+ sign 1293.746+/-0.207 χ^2/NDF: 665502.1/31

All: 1290.098+/-0.146 χ^2/NDF: 1009878.0/65

- sign 1286.492+/-0.206 χ^2/NDF: 343758.5/33


asym_atl_dd_atr_dd_avg_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: -161.836+/-1023.261 χ²/NDF:19.0/15
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 1216.598+/-1198.348 χ²/NDF:9.0/14
+ sign 233.436+/-809.829 χ²/NDF: 33.4/31
All: 340.755+/-583.658 χ²/NDF: 61.9/65
- sign 456.755+/-841.943 χ²/NDF: 28.4/33



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3405.717+/-0.724 χ^2/NDF:2754464.2/15

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

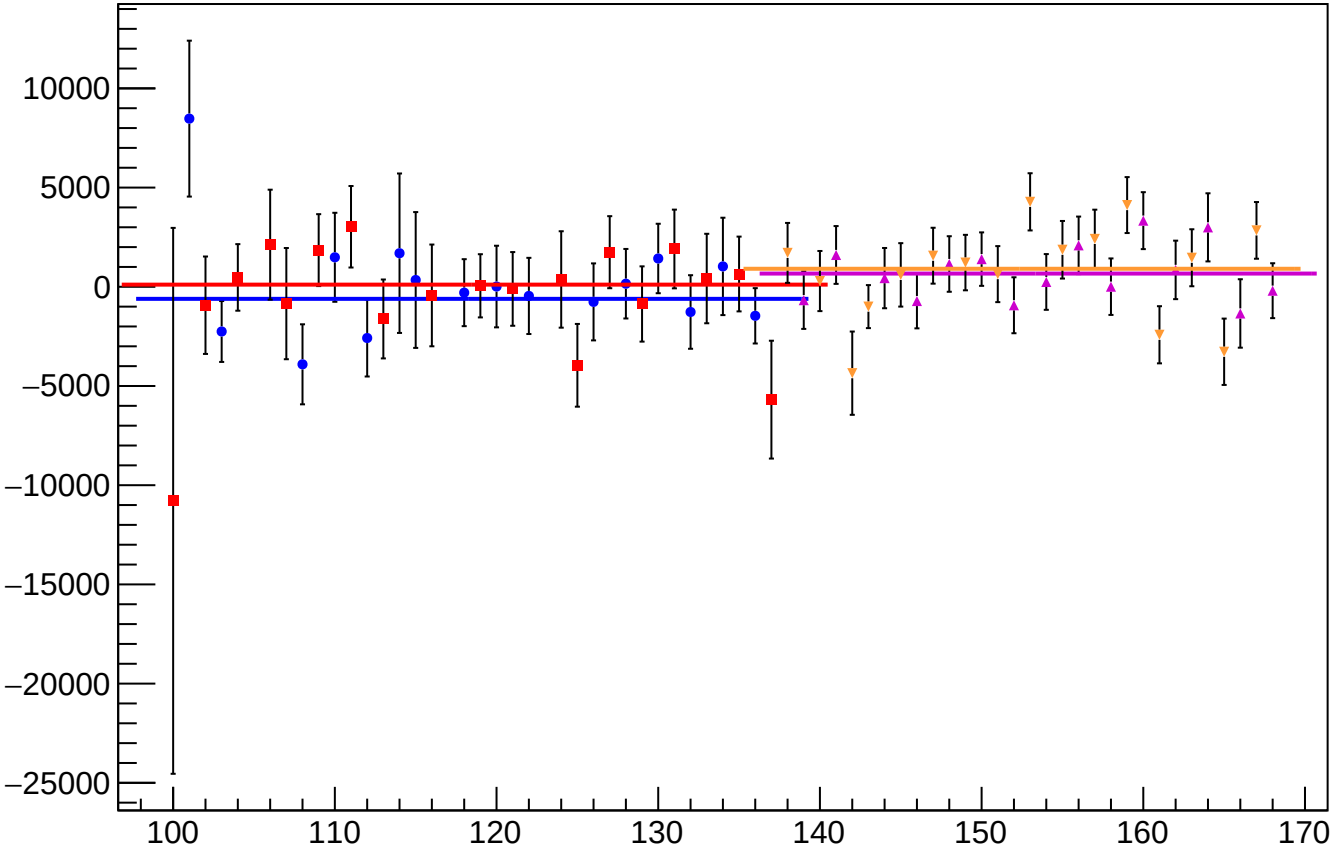
Left In: 4114.841+/-0.847 χ^2/NDF:1081884.2/14

\+ sign 3443.369+/-0.573 χ^2/NDF: 3114949.0/31

All: 3527.028+/-0.413 χ^2/NDF: 5571285.3/65

\- sign 3617.454+/-0.595 χ^2/NDF: 2411922.6/33

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 908.293+/-362.846 χ^2/NDF:35.9/15

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

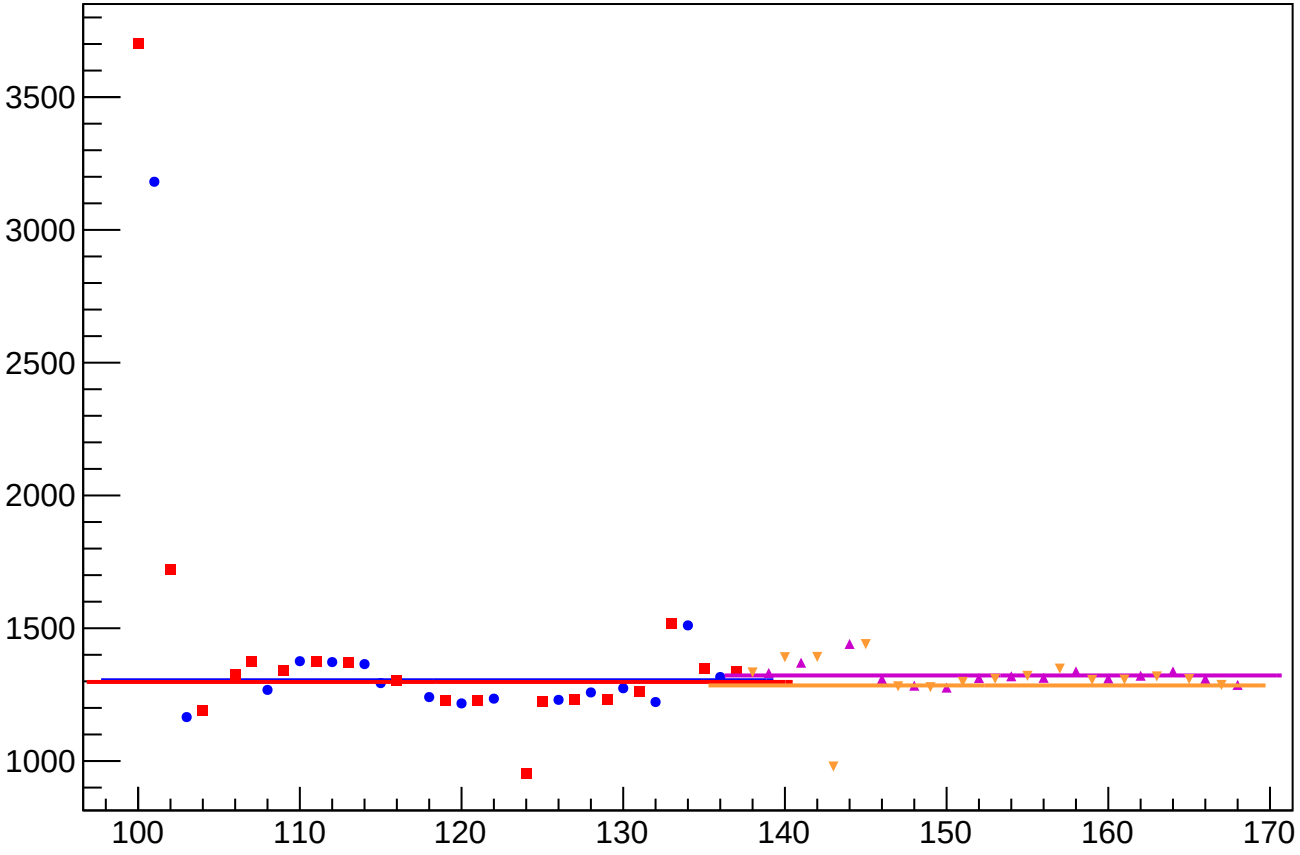
Left In: 666.444+/-375.492 χ^2/NDF:12.3/14

+ sign 377.240+/-292.475 χ^2/NDF: 56.1/31

All: 416.841+/-208.404 χ^2/NDF: 84.2/65

- sign 457.685+/-297.035 χ^2/NDF: 28.0/33

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1284.622+/-0.257 χ^2/NDF:203050.2/15

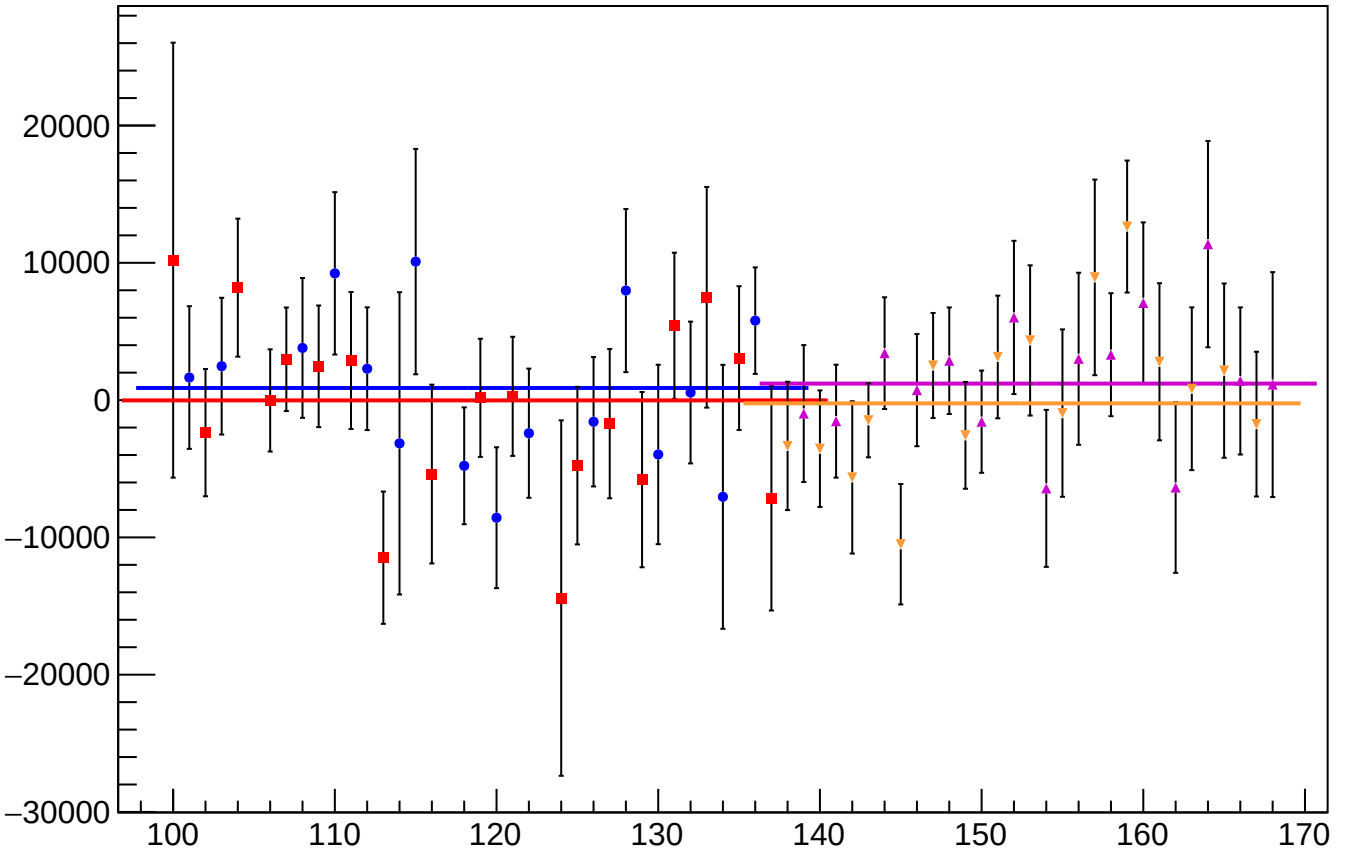
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1322.253+/-0.266 χ^2/NDF:20620.9/14

+ sign 1291.445+/-0.207 χ^2/NDF: 715658.8/31

All: 1302.104+/-0.147 χ^2/NDF: 957949.3/65

- sign 1313.092+/-0.210 χ^2/NDF: 236896.0/33



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -237.054+/-1154.094 χ^2/NDF:19.2/15

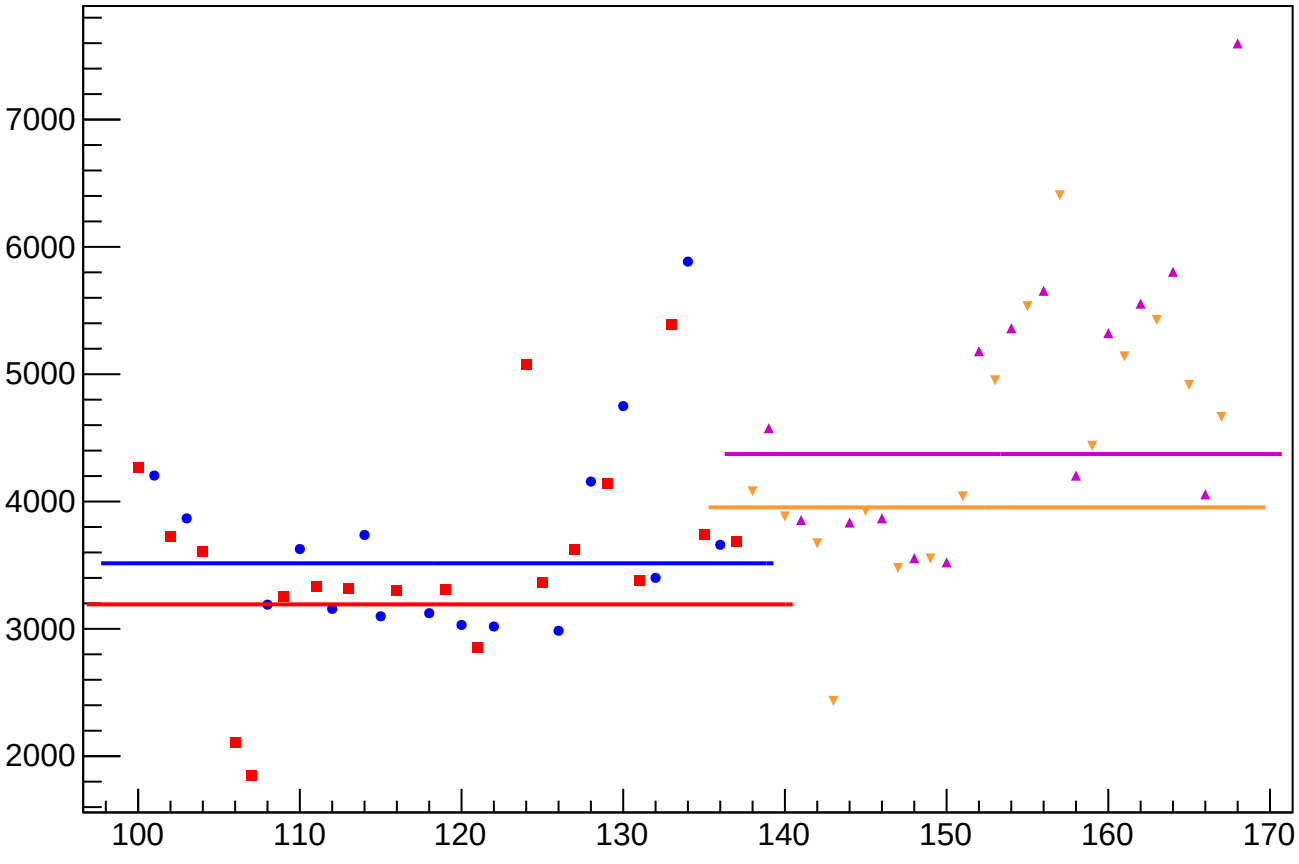
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1201.301+/-1271.509 χ^2/NDF:8.8/14

+ sign 245.585+/-870.940 χ^2/NDF: 33.7/31

All: 399.972+/-616.476 χ^2/NDF: 59.9/65

- sign 554.991+/-872.719 χ^2/NDF: 26.1/33



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3954.074+/-0.816 χ^2/NDF:1444498.7/15

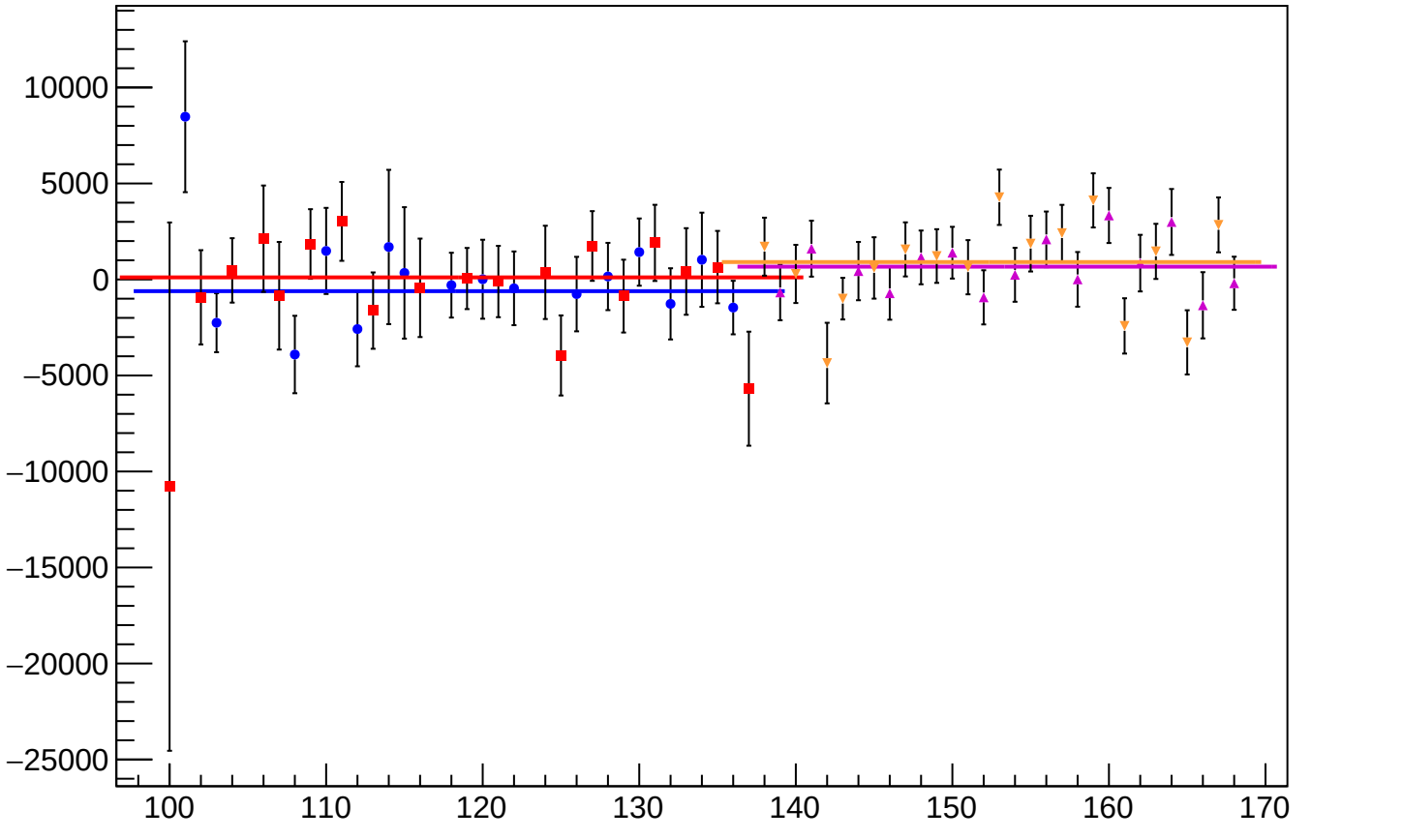
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4373.056+/-0.899 χ^2/NDF:996365.1/14

+ sign 3764.943+/-0.616 χ^2/NDF: 1944344.1/31

All: 3756.738+/-0.436 χ^2/NDF: 4625905.1/65

- sign 3748.500+/-0.617 χ^2/NDF: 2681205.2/33



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 908.299+/-362.846 χ^2/NDF:35.9/15

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

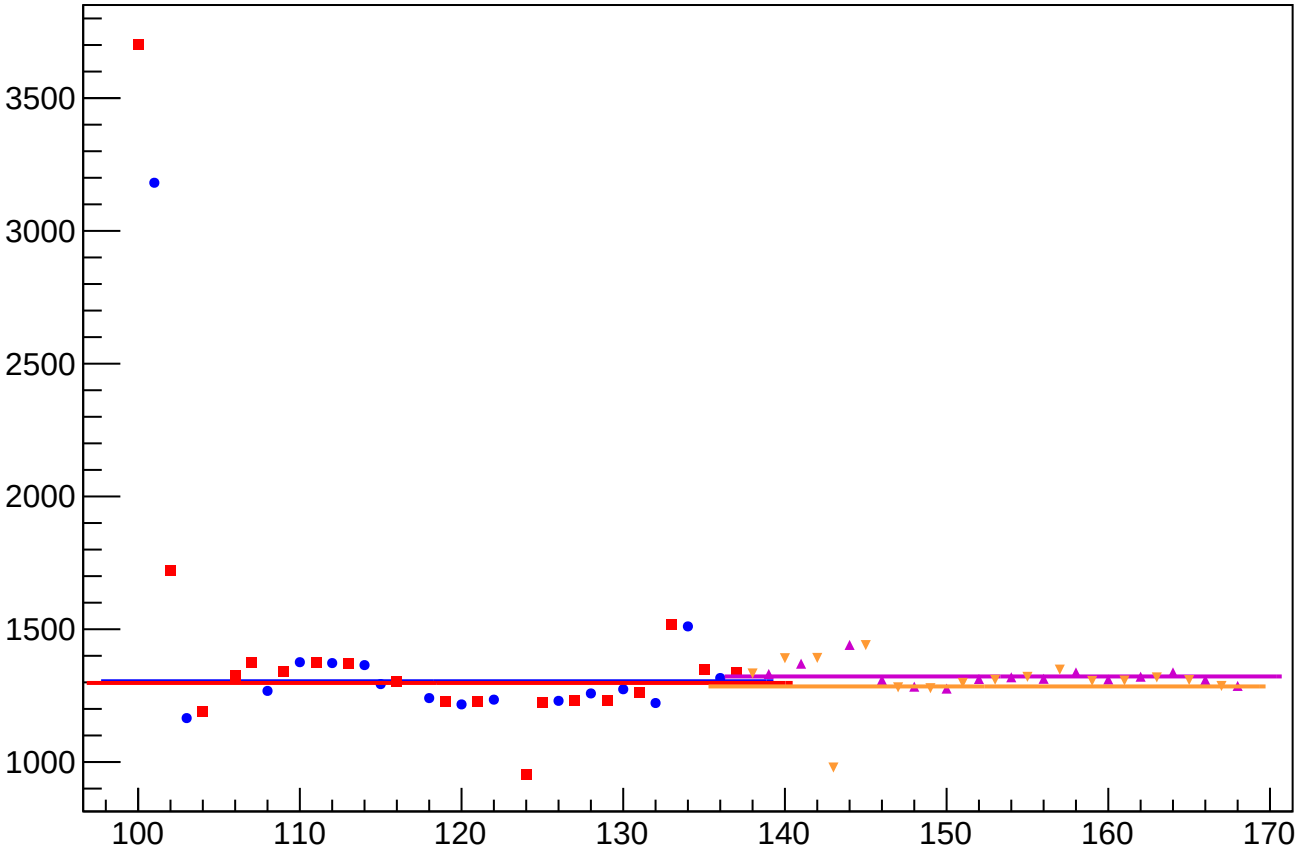
Left In: 666.445+/-375.493 χ^2/NDF:12.3/14

+ sign 377.242+/-292.475 χ^2/NDF: 56.1/31

All: 416.843+/-208.405 χ^2/NDF: 84.2/65

- sign 457.688+/-297.035 χ^2/NDF: 28.0/33

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: 1284.623+/-0.257 χ^2/NDF:203050.9/15

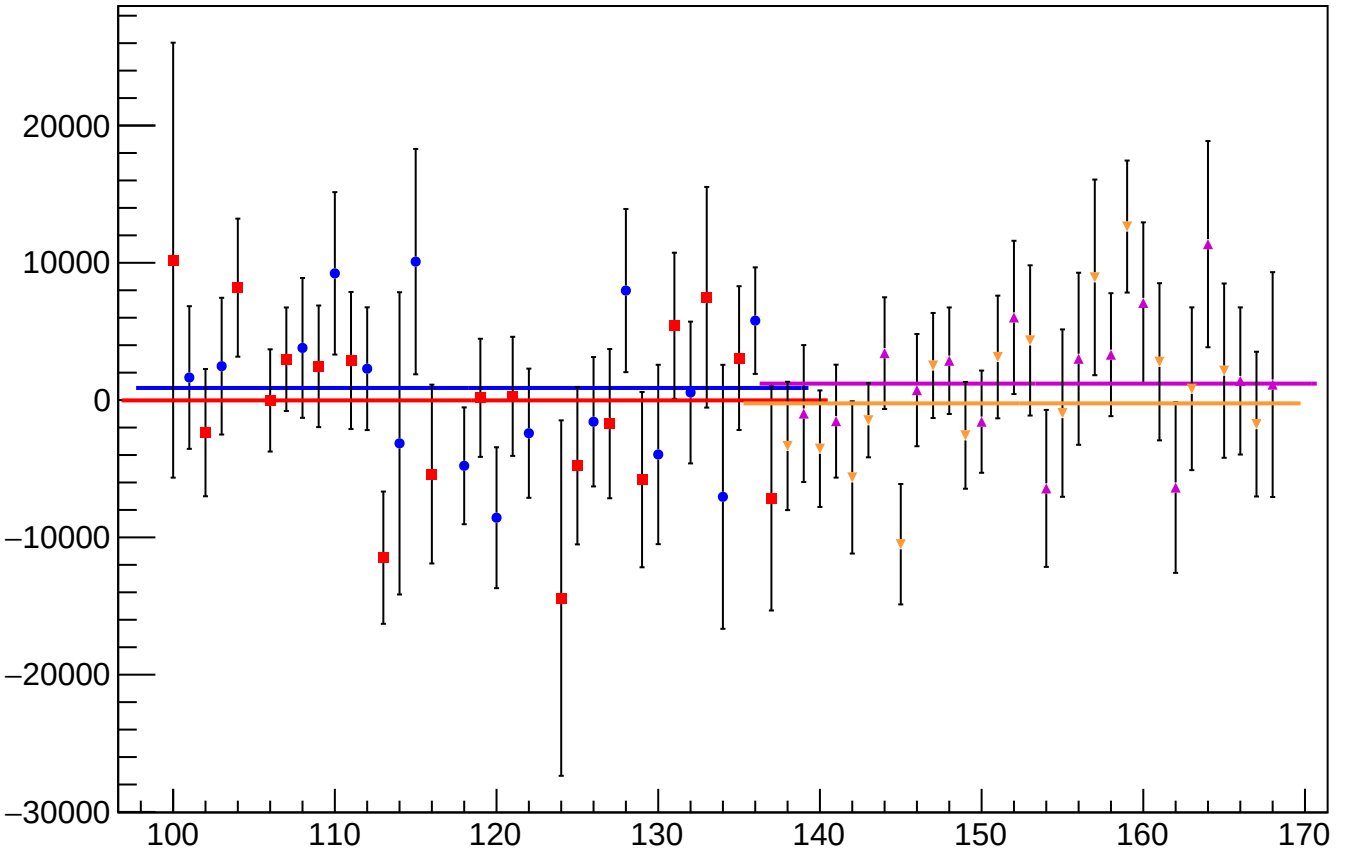
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1322.254+/-0.266 χ^2/NDF:20621.1/14

+ sign 1291.446+/-0.207 χ^2/NDF: 715659.4/31

All: 1302.105+/-0.147 χ^2/NDF: 957950.5/65

- sign 1313.093+/-0.210 χ^2/NDF: 236896.5/33



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -237.050+/-1154.096 χ^2/NDF:19.2/15

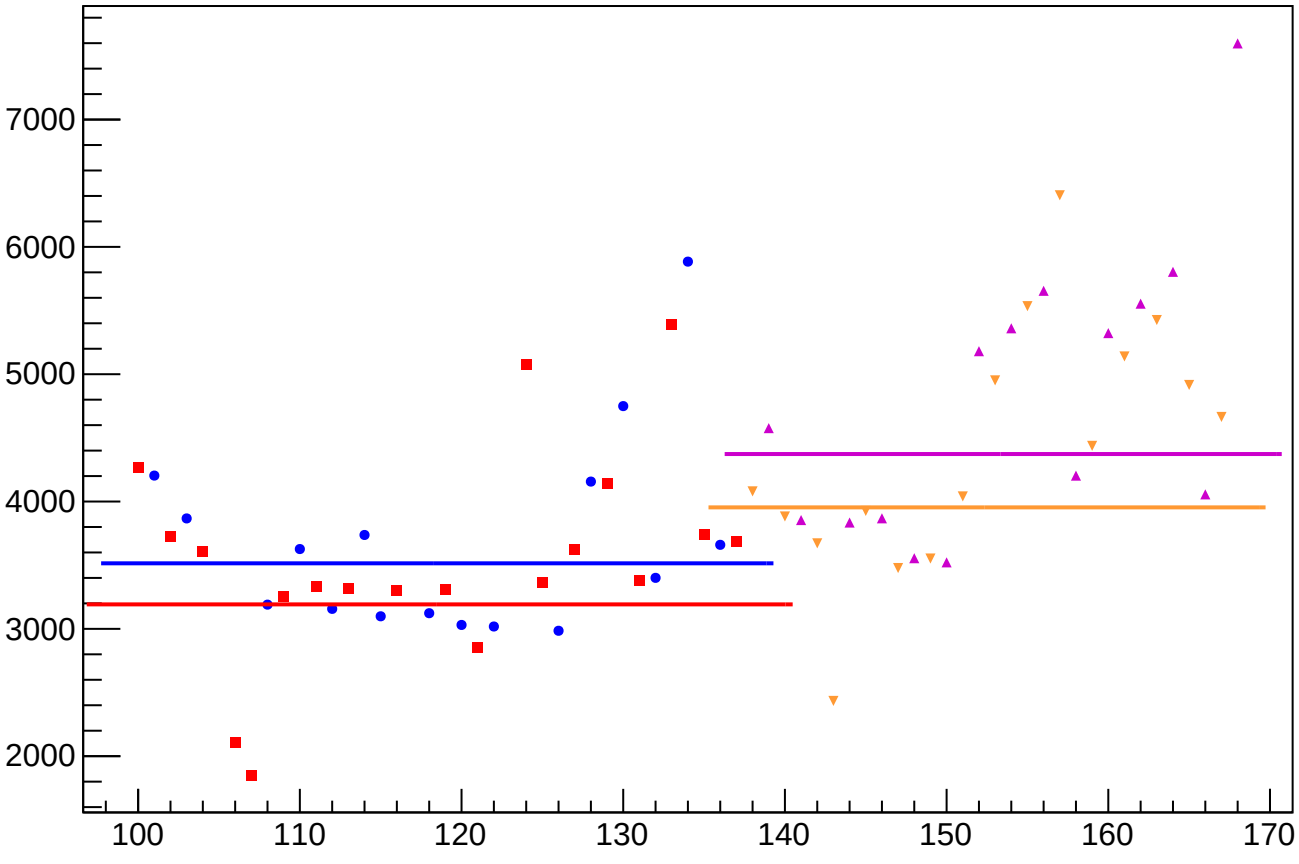
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1201.300+/-1271.511 χ^2/NDF:8.8/14

+ sign 245.585+/-870.940 χ^2/NDF: 33.7/31

All: 399.972+/-616.475 χ^2/NDF: 59.9/65

- sign 554.991+/-872.719 χ^2/NDF: 26.1/33



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3954.080+/-0.816 χ^2/NDF:1444500.9/15

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

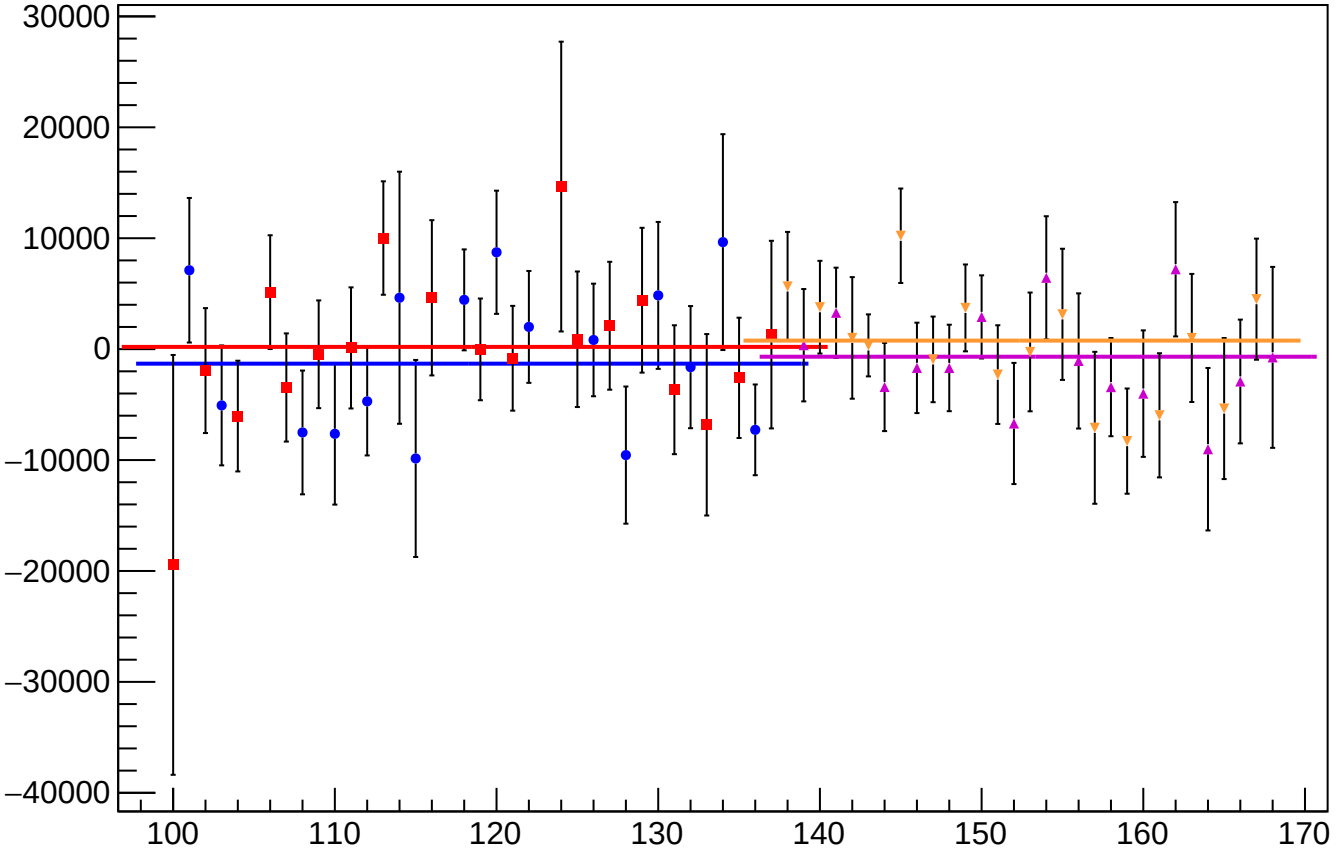
Left In: 4373.063+/-0.899 χ^2/NDF:996366.9/14

+ sign 3764.942+/-0.616 χ^2/NDF: 1944359.2/31

All: 3756.736+/-0.436 χ^2/NDF: 4625946.8/65

- sign 3748.496+/-0.617 χ^2/NDF: 2681231.8/33

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 770.252+/-1156.771 χ^2/NDF:15.7/15

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

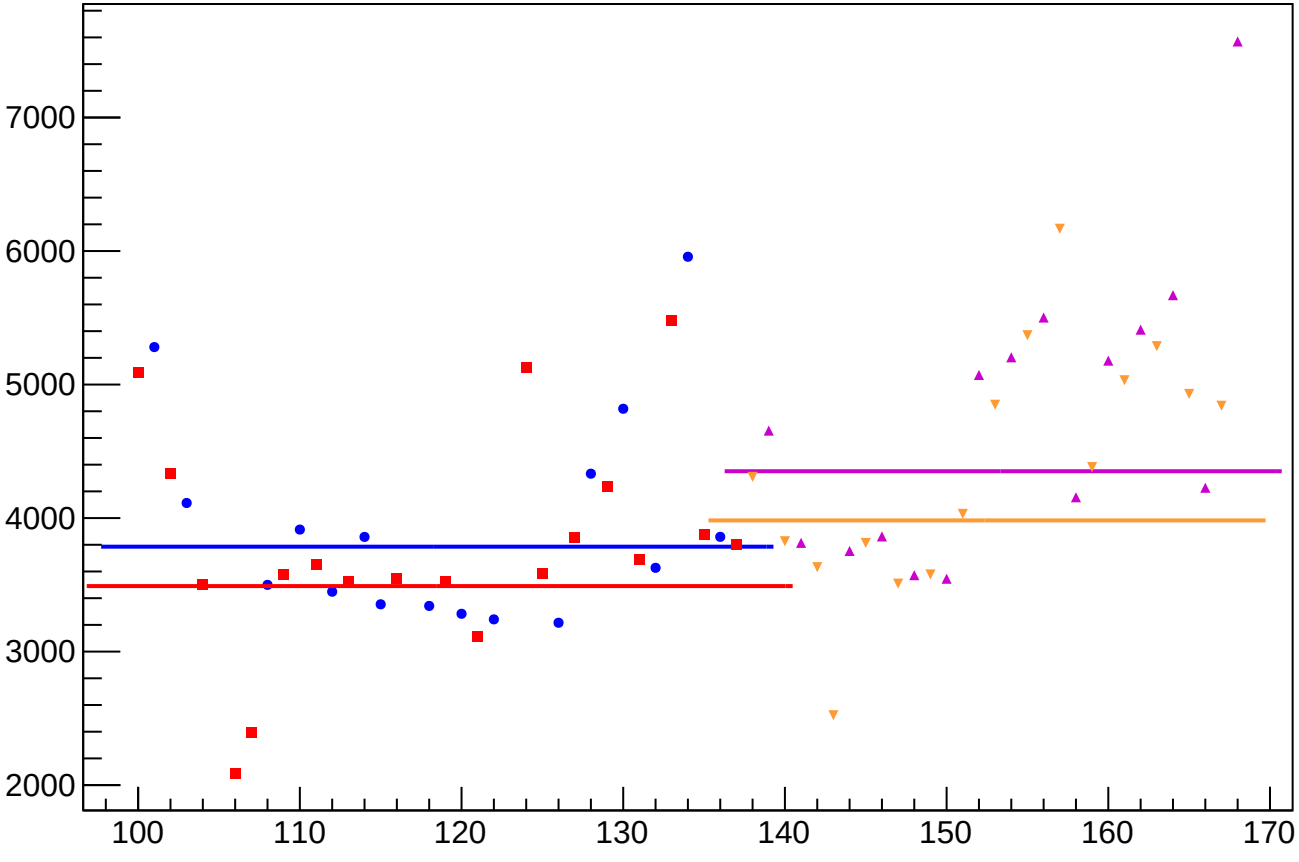
Left In: -683.377+/-1262.237 χ^2/NDF:9.2/14

+ sign -51.186+/-899.759 χ^2/NDF: 34.6/31

All: -156.501+/-642.415 χ^2/NDF: 55.7/65

- sign -266.016+/-917.525 χ^2/NDF: 21.1/33

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3982.603+/-0.818 χ^2/NDF:1266133.9/15

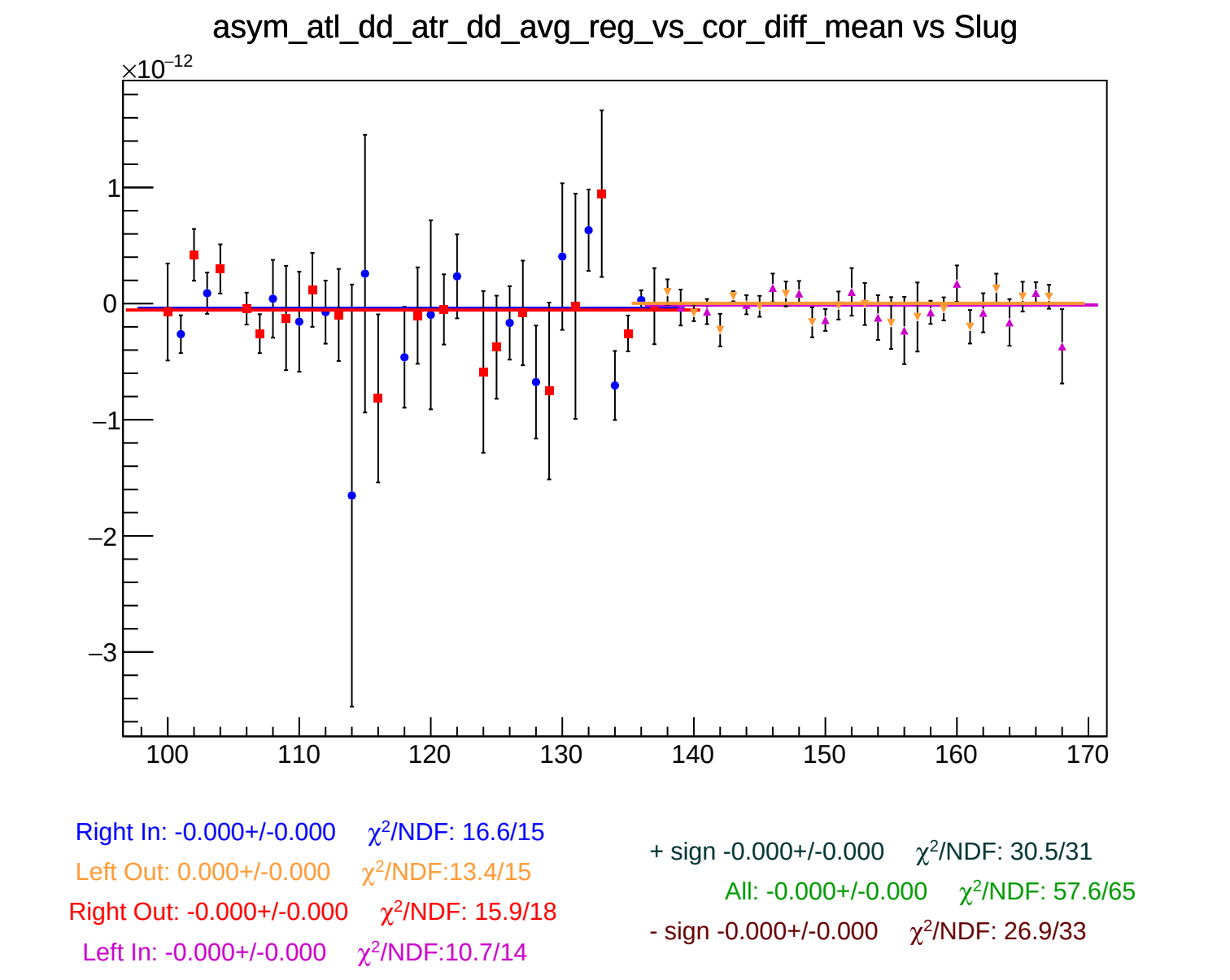
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

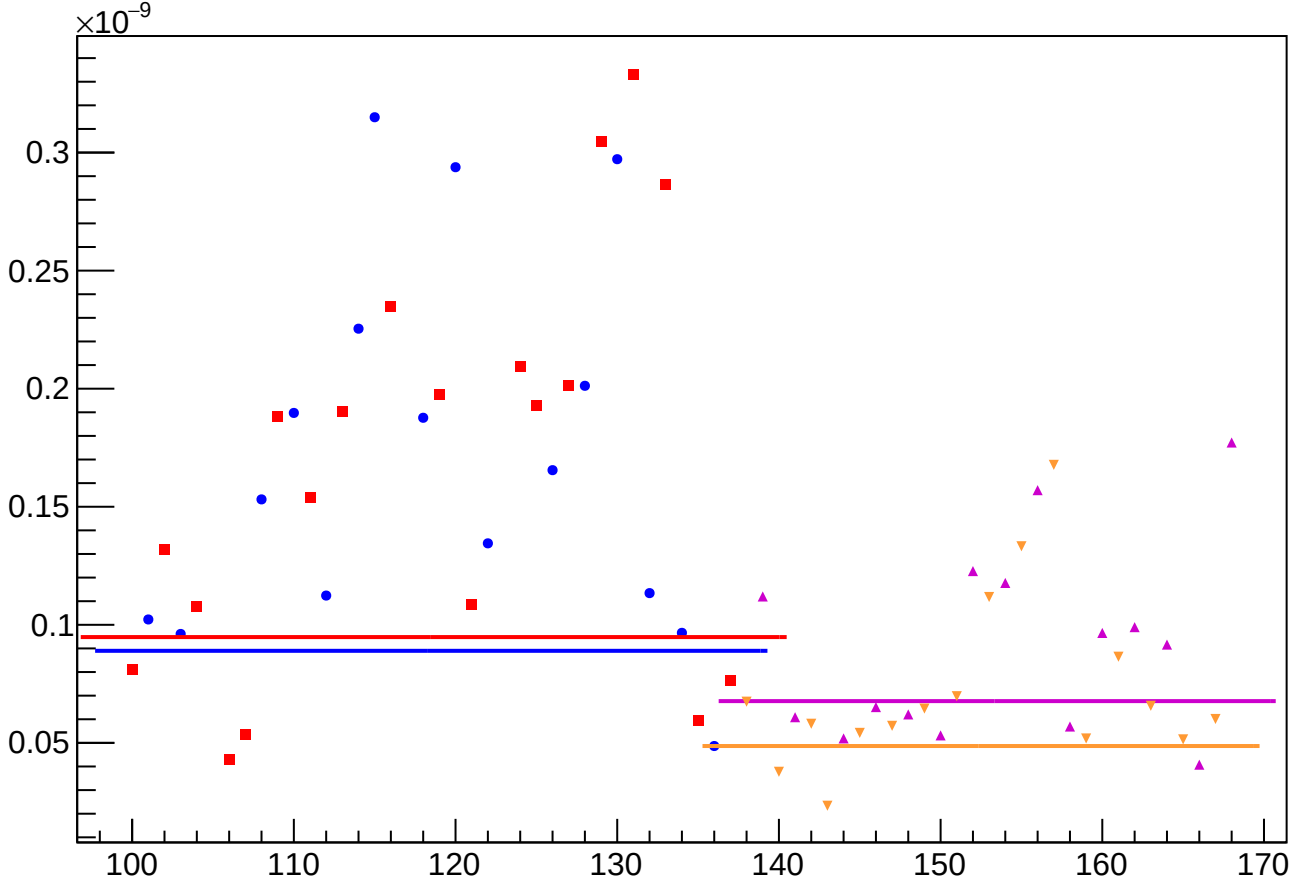
Left In: 4350.869+/-0.893 χ^2/NDF:926013.3/14

+ sign 3904.855+/-0.636 χ^2/NDF: 1671999.2/31

All: 3921.840+/-0.453 χ^2/NDF: 3630644.5/65

- sign 3939.275+/-0.645 χ^2/NDF: 1957201.0/33


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:13.4/15
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:10.7/14
+ sign -0.000+/-0.000 χ²/NDF: 30.5/31
All: -0.000+/-0.000 χ²/NDF: 57.6/65
- sign -0.000+/-0.000 χ²/NDF: 26.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1941642.8/15

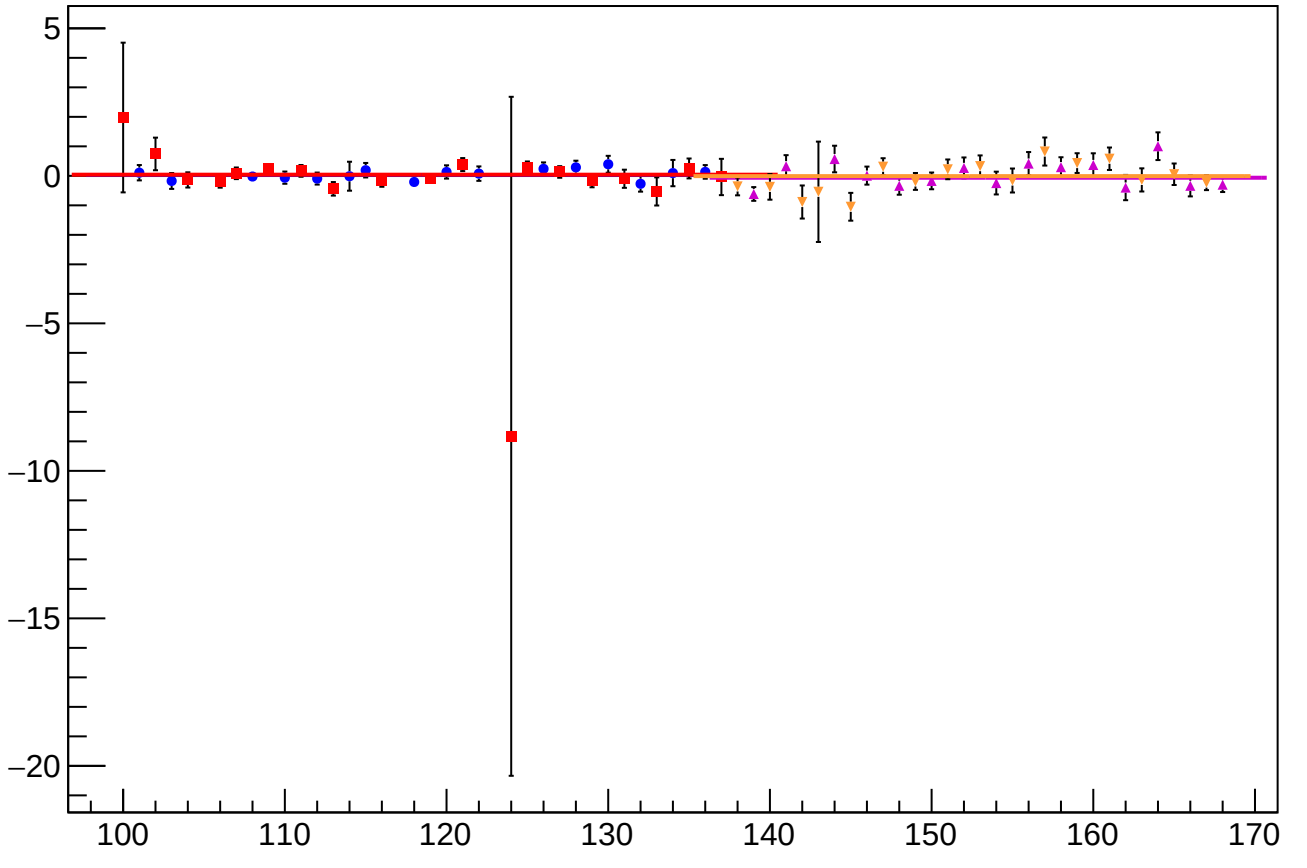
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1364563.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 4195488.6/31

All: 0.000+/-0.000 χ^2/NDF: 8080633.6/65

- sign 0.000+/-0.000 χ^2/NDF: 3384161.0/33



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

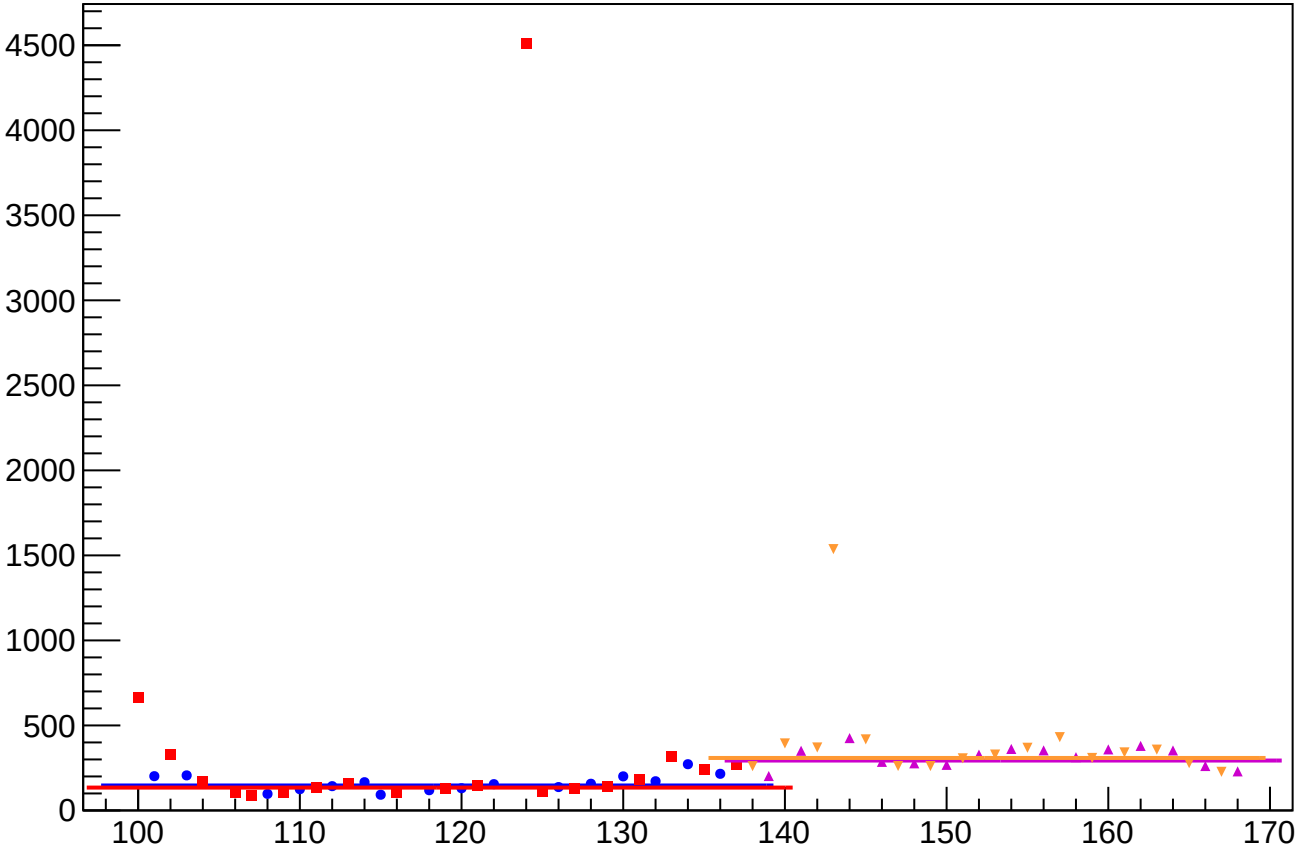
Left In: -0.064+/-0.086 χ^2/NDF:21.8/14

+ sign 0.017+/-0.049 χ^2/NDF: 30.2/31

All: 0.013+/-0.034 χ^2/NDF: 73.1/65

- sign 0.009+/-0.046 χ^2/NDF: 42.9/33

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: 308.672+/-0.064 χ^2/NDF:1856686.7/15

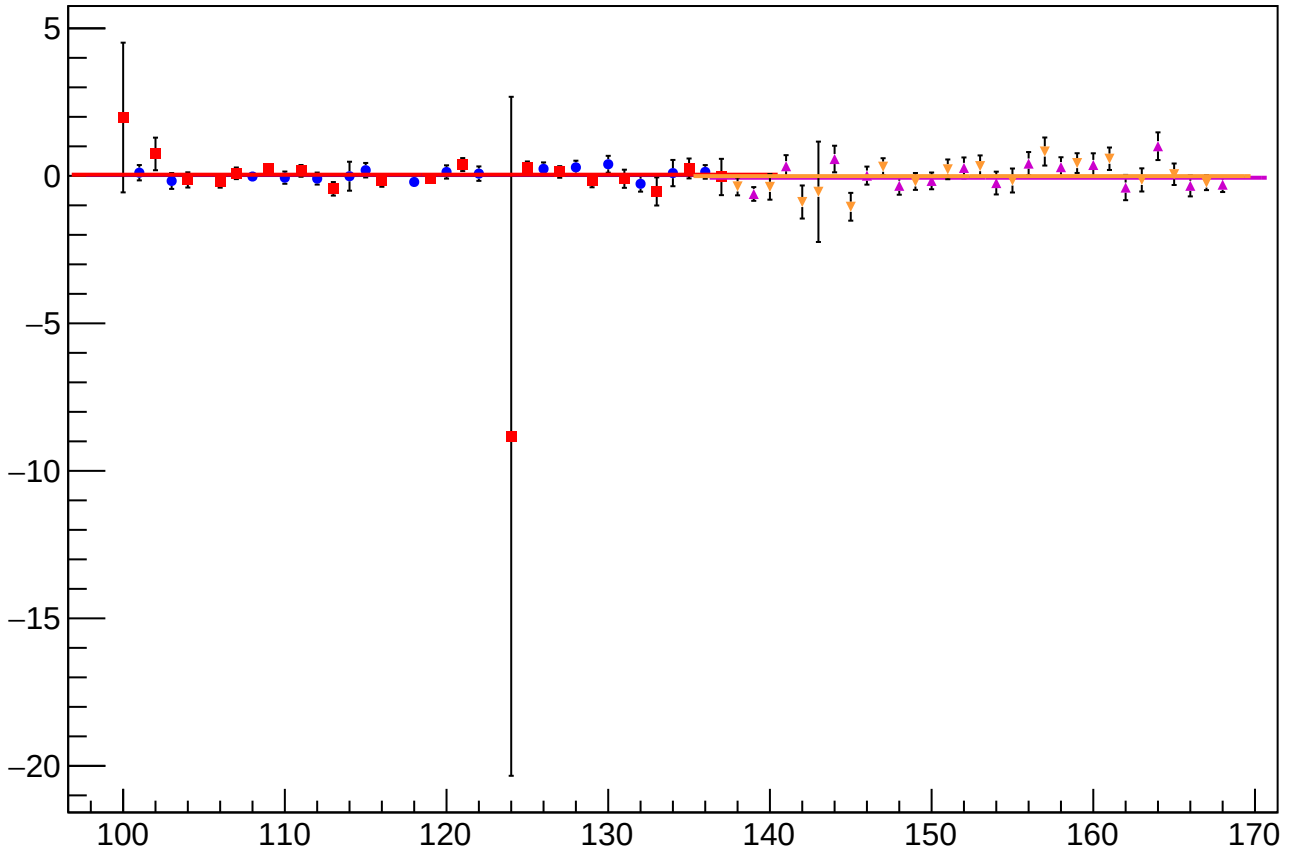
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 293.553+/-0.061 χ^2/NDF:996096.2/14

+ sign 193.213+/-0.034 χ^2/NDF: 7364639.7/31

All: 186.405+/-0.024 χ^2/NDF: 14893749.1/65

- sign 180.280+/-0.033 χ^2/NDF: 7454978.3/33



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

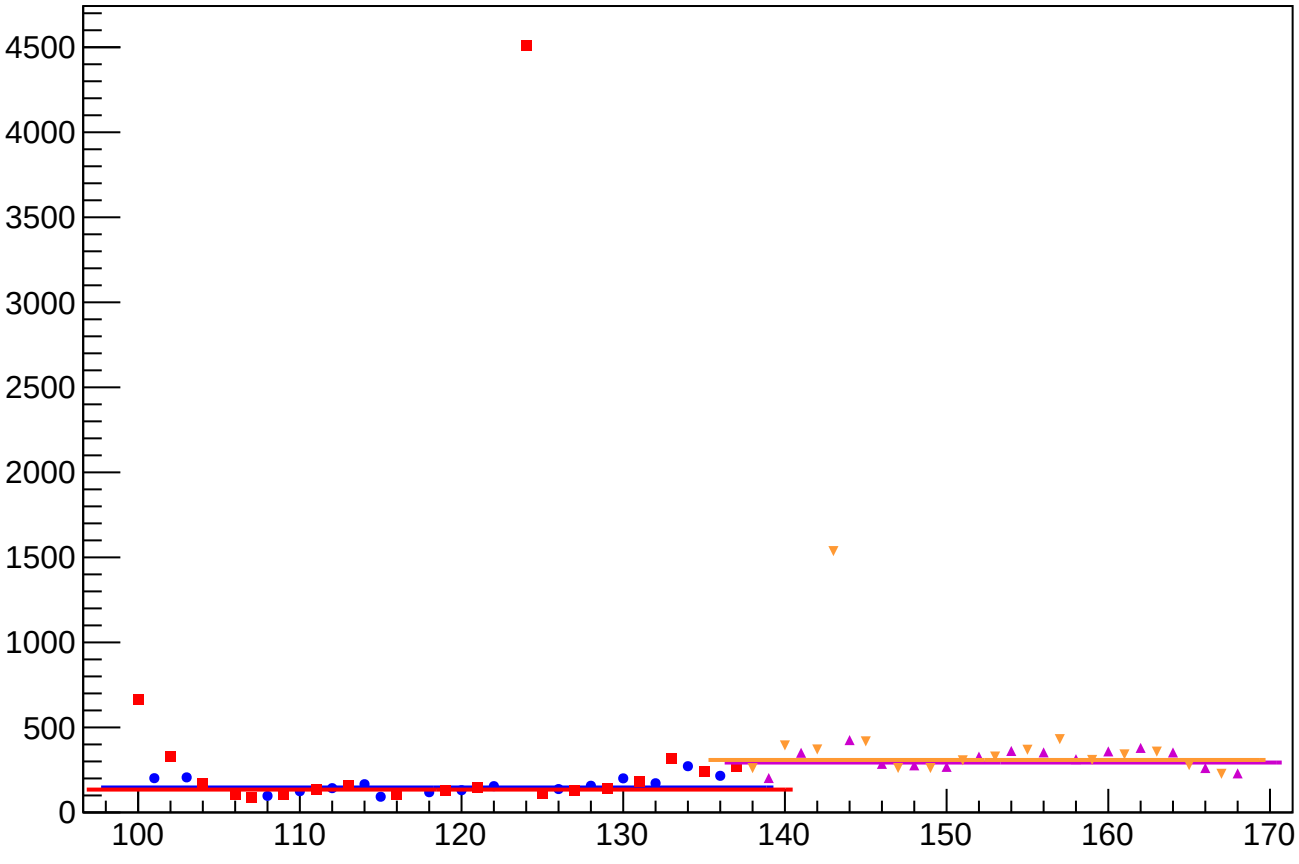
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.086 χ^2/NDF:21.8/14

+ sign 0.017+/-0.049 χ^2/NDF: 30.2/31

All: 0.013+/-0.034 χ^2/NDF: 73.1/65

- sign 0.009+/-0.046 χ^2/NDF: 42.9/33



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 308.672+/-0.064 χ^2/NDF:1856686.7/15

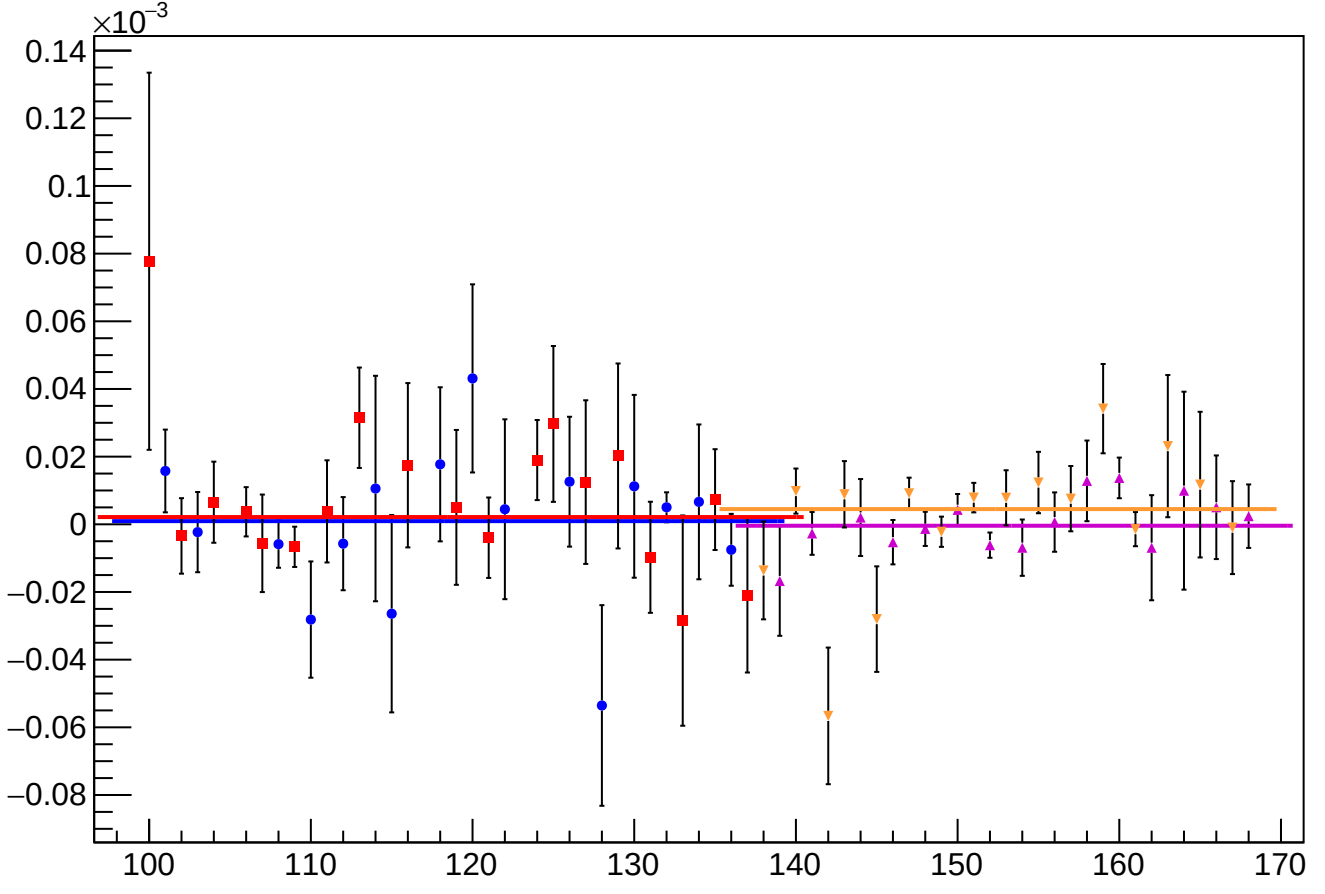
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 293.553+/-0.061 χ^2/NDF:996096.2/14

+ sign 193.213+/-0.034 χ^2/NDF: 7364639.7/31

All: 186.405+/-0.024 χ^2/NDF: 14893749.1/65

- sign 180.280+/-0.033 χ^2/NDF: 7454978.3/33



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/15

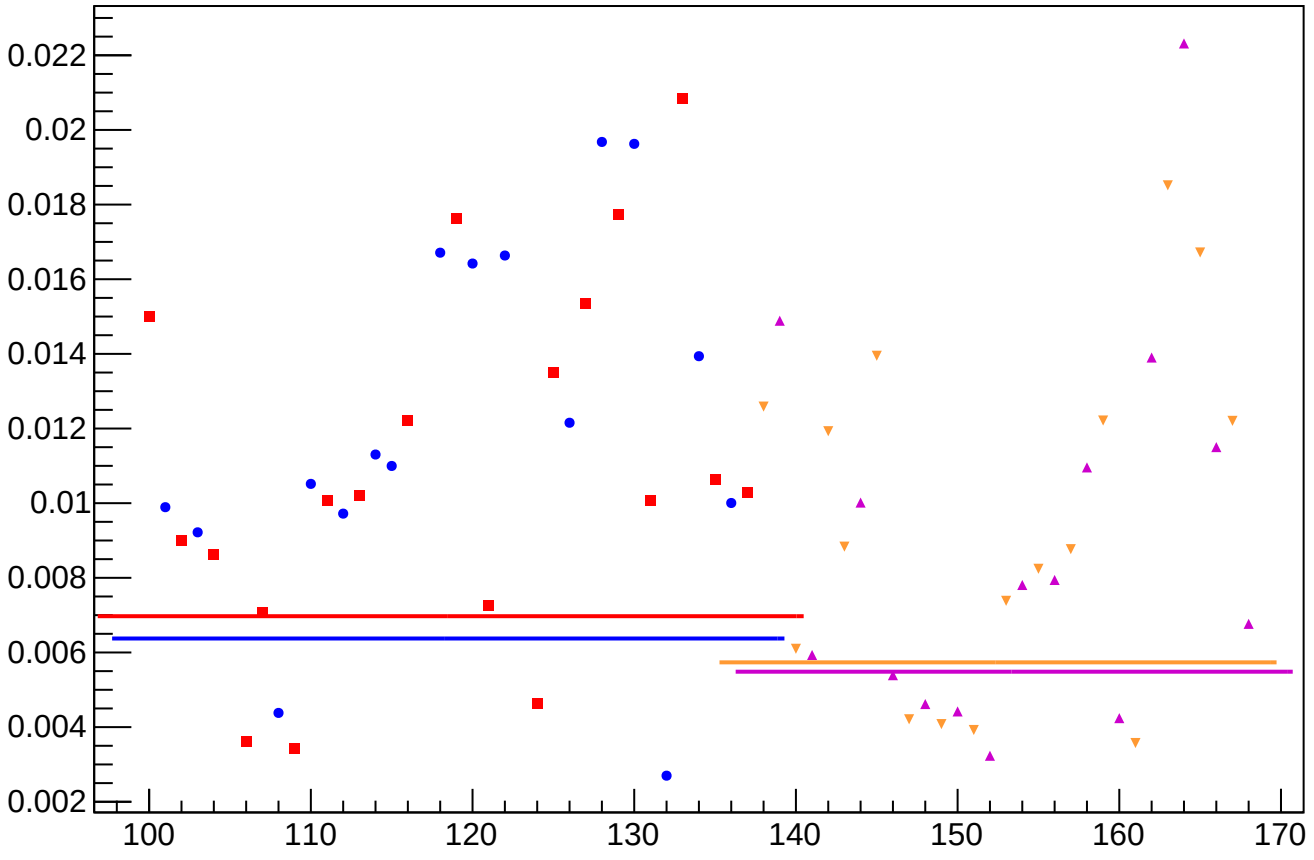
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/31

All: 0.000+/-0.000 χ^2/NDF: 75.9/65

- sign 0.000+/-0.000 χ^2/NDF: 29.6/33



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:5220472.8/15

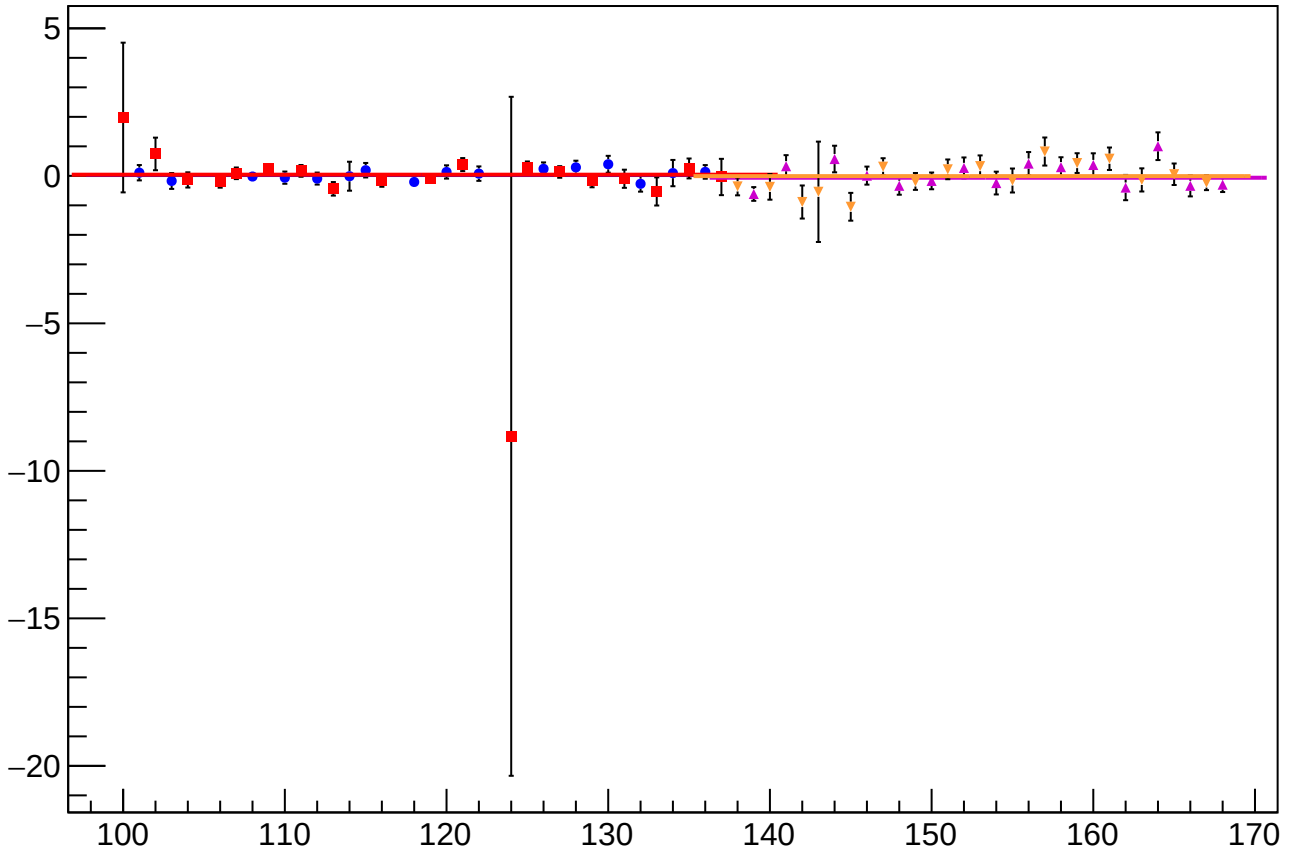
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:4308342.8/14

+ sign 0.006+/-0.000 χ^2/NDF: 9927954.7/31

All: 0.006+/-0.000 χ^2/NDF: 18002791.7/65

- sign 0.006+/-0.000 χ^2/NDF: 8074308.1/33



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

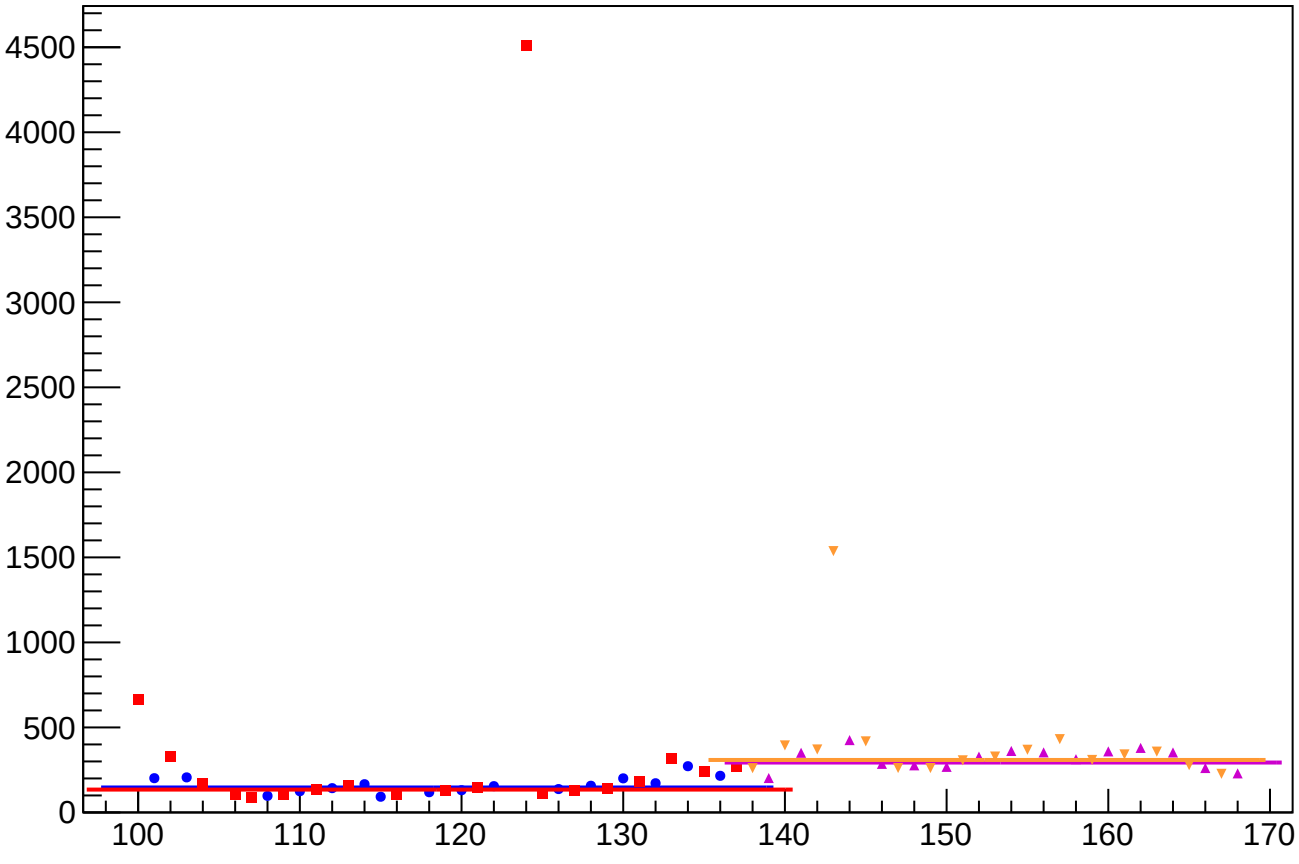
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.086 χ^2/NDF:21.8/14

+ sign 0.017+/-0.049 χ^2/NDF: 30.2/31

All: 0.013+/-0.034 χ^2/NDF: 73.1/65

- sign 0.009+/-0.046 χ^2/NDF: 42.9/33



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 308.676+/-0.064 χ^2/NDF:1856703.9/15

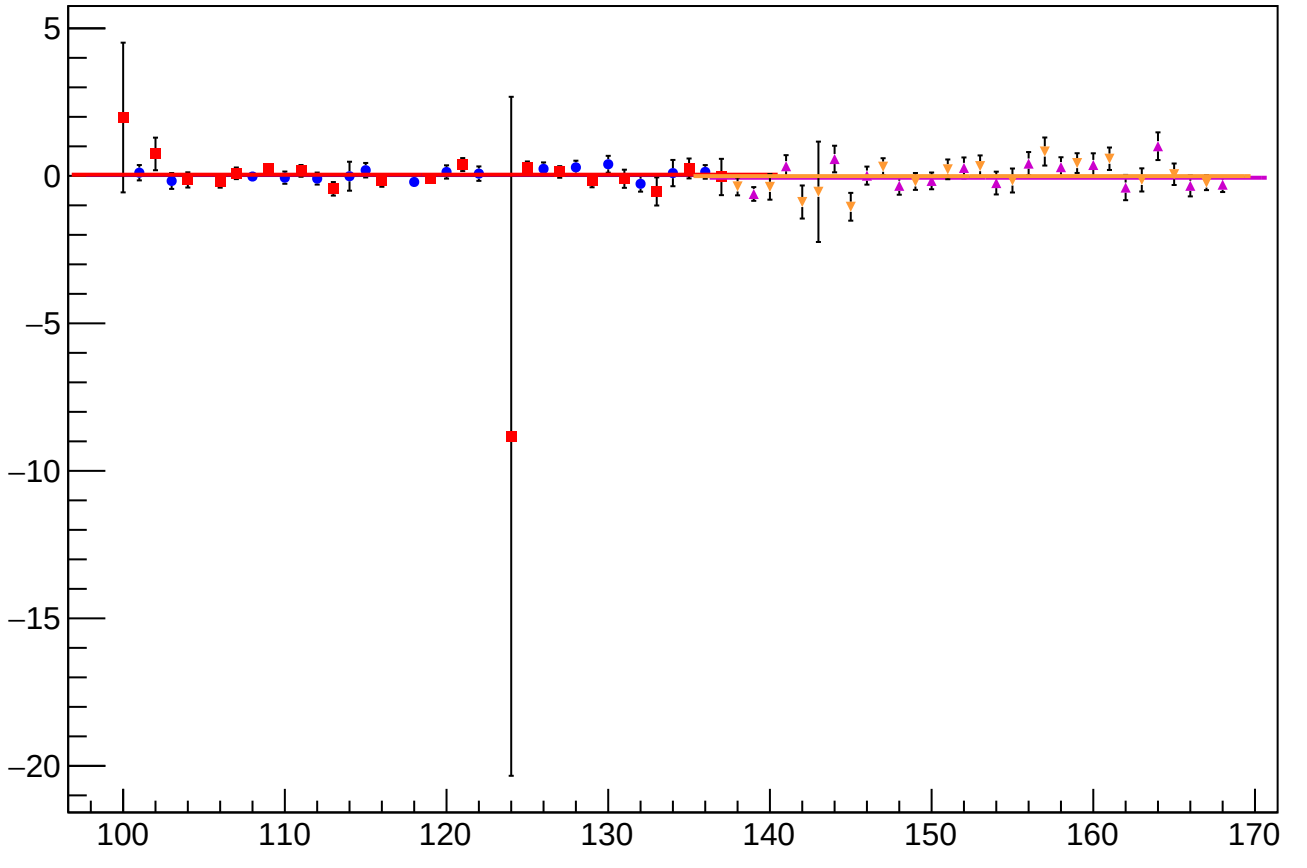
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 293.557+/-0.061 χ^2/NDF:996077.4/14

+ sign 193.213+/-0.034 χ^2/NDF: 7364748.7/31

All: 186.406+/-0.024 χ^2/NDF: 14893829.9/65

- sign 180.282+/-0.033 χ^2/NDF: 7454968.9/33



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

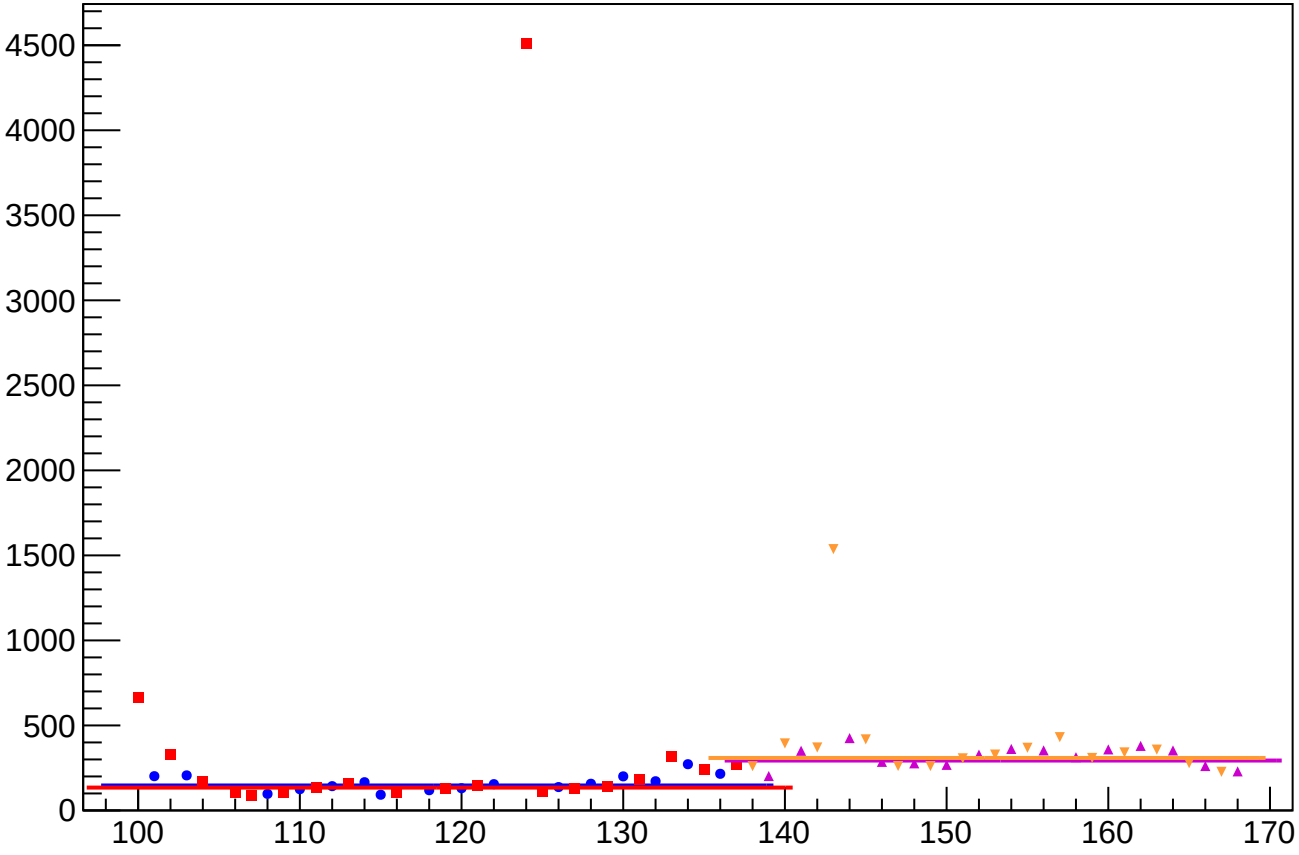
Left In: -0.064+/-0.086 χ^2/NDF:21.8/14

+ sign 0.017+/-0.049 χ^2/NDF: 30.2/31

All: 0.013+/-0.034 χ^2/NDF: 73.1/65

- sign 0.009+/-0.046 χ^2/NDF: 42.9/33

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 308.676+/-0.064 χ^2/NDF:1856703.9/15

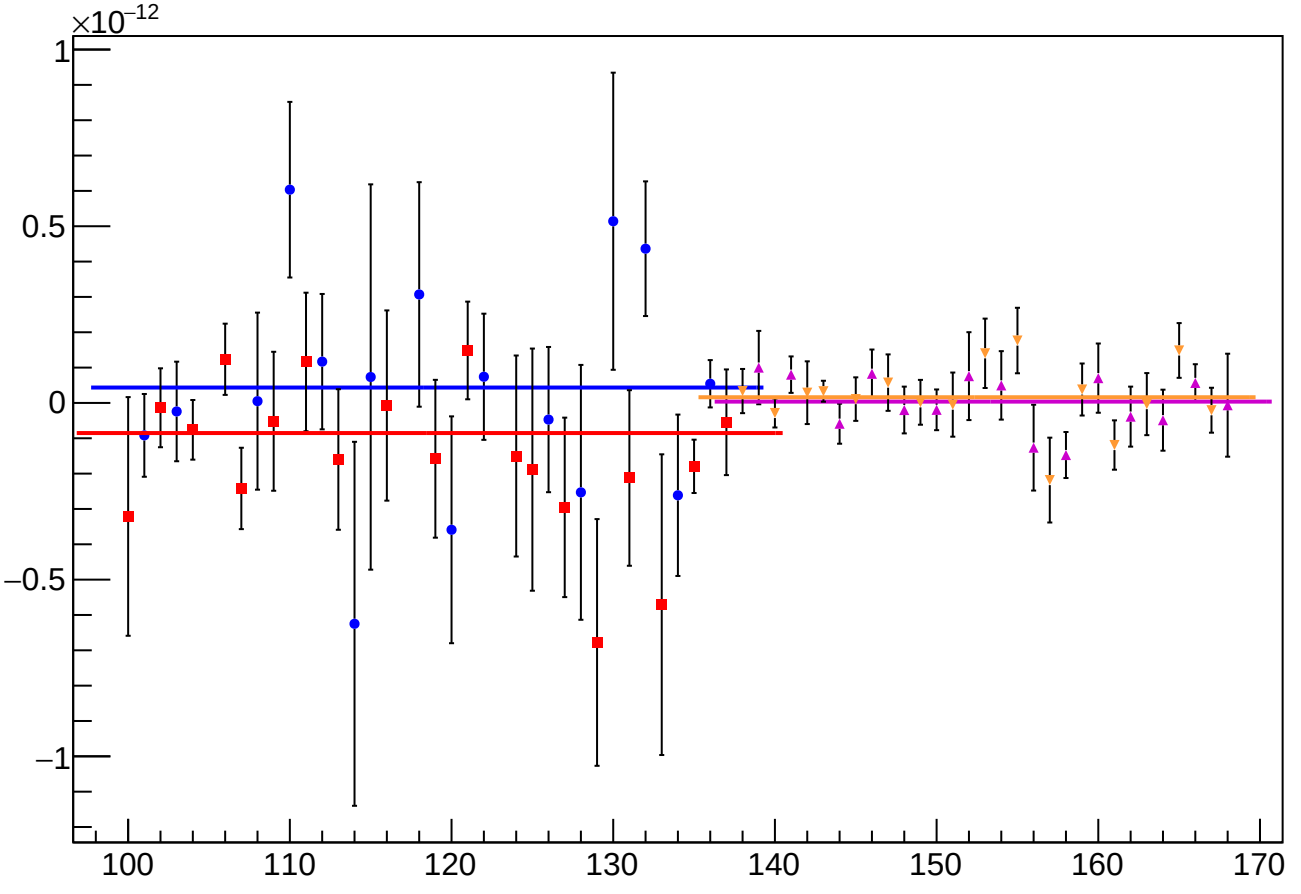
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 293.557+/-0.061 χ^2/NDF:996077.4/14

+ sign 193.213+/-0.034 χ^2/NDF: 7364748.7/31

All: 186.406+/-0.024 χ^2/NDF: 14893829.9/65

- sign 180.282+/-0.033 χ^2/NDF: 7454968.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/15

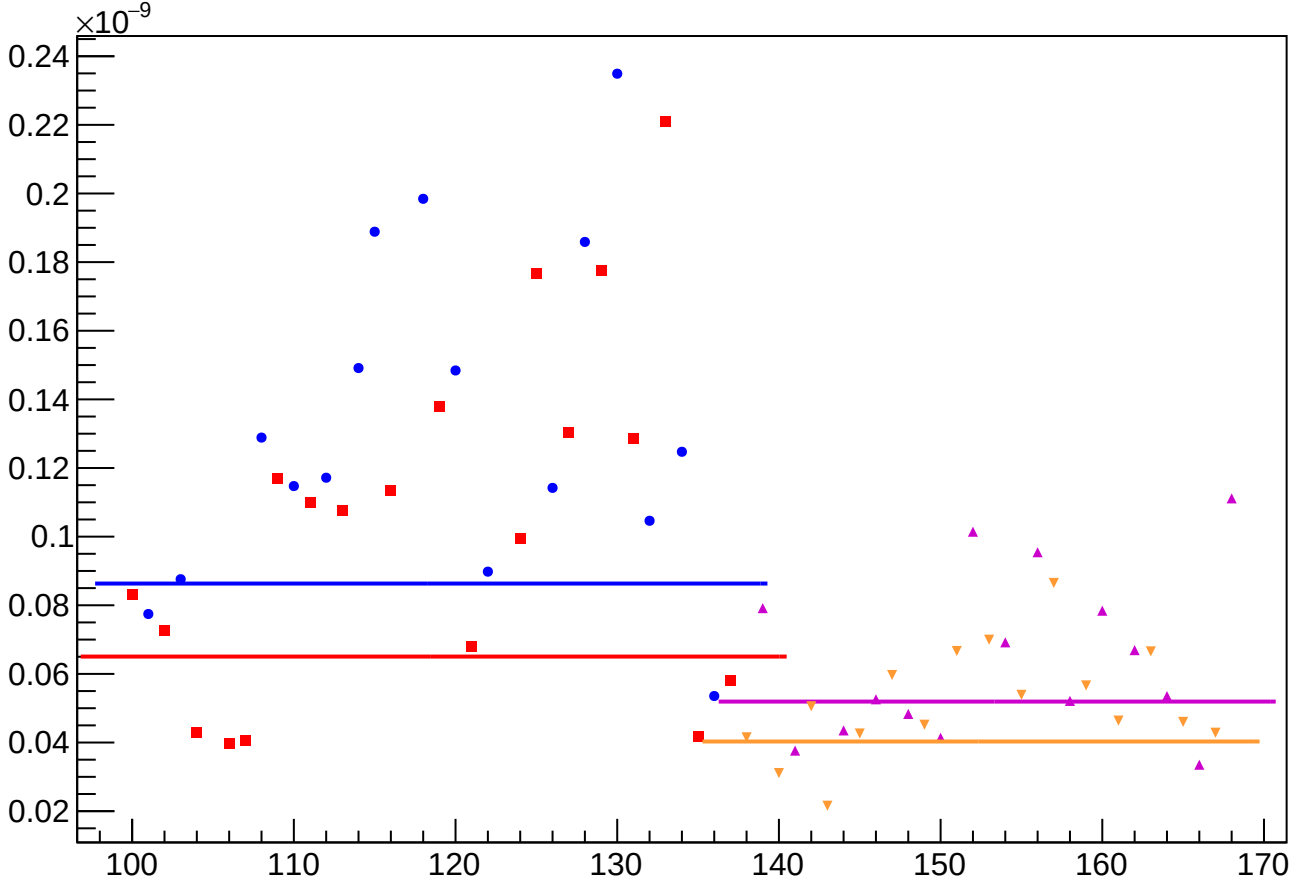
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 36.9/31

All: 0.000+/-0.000 χ^2/NDF: 78.1/65

- sign -0.000+/-0.000 χ^2/NDF: 38.4/33



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2056248.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

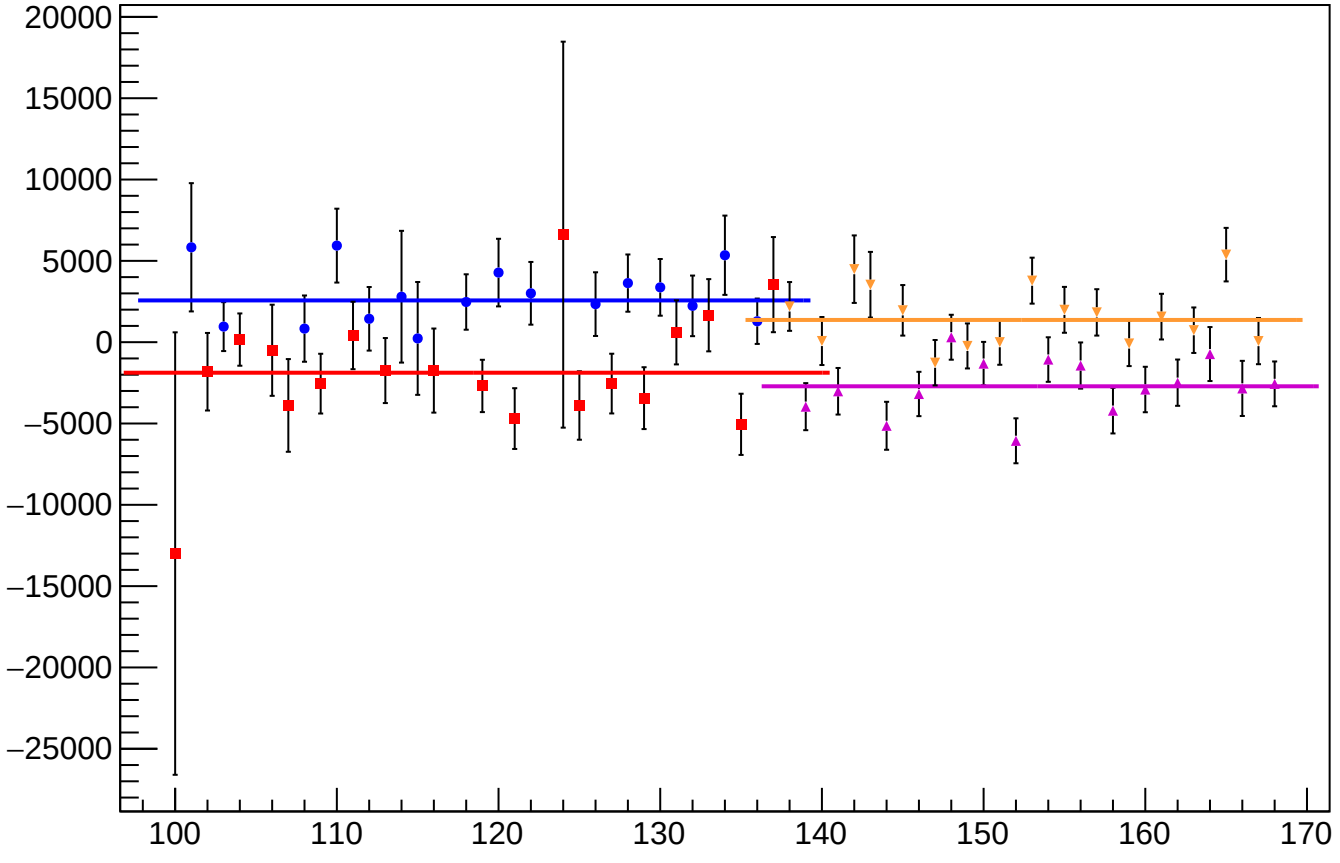
Left In: 0.000+/-0.000 χ^2/NDF:1827017.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 5670170.6/31

All: 0.000+/-0.000 χ^2/NDF: 10236424.1/65

- sign 0.000+/-0.000 χ^2/NDF: 4210647.2/33

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1367.249+/-371.537 χ^2/NDF:21.8/15

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

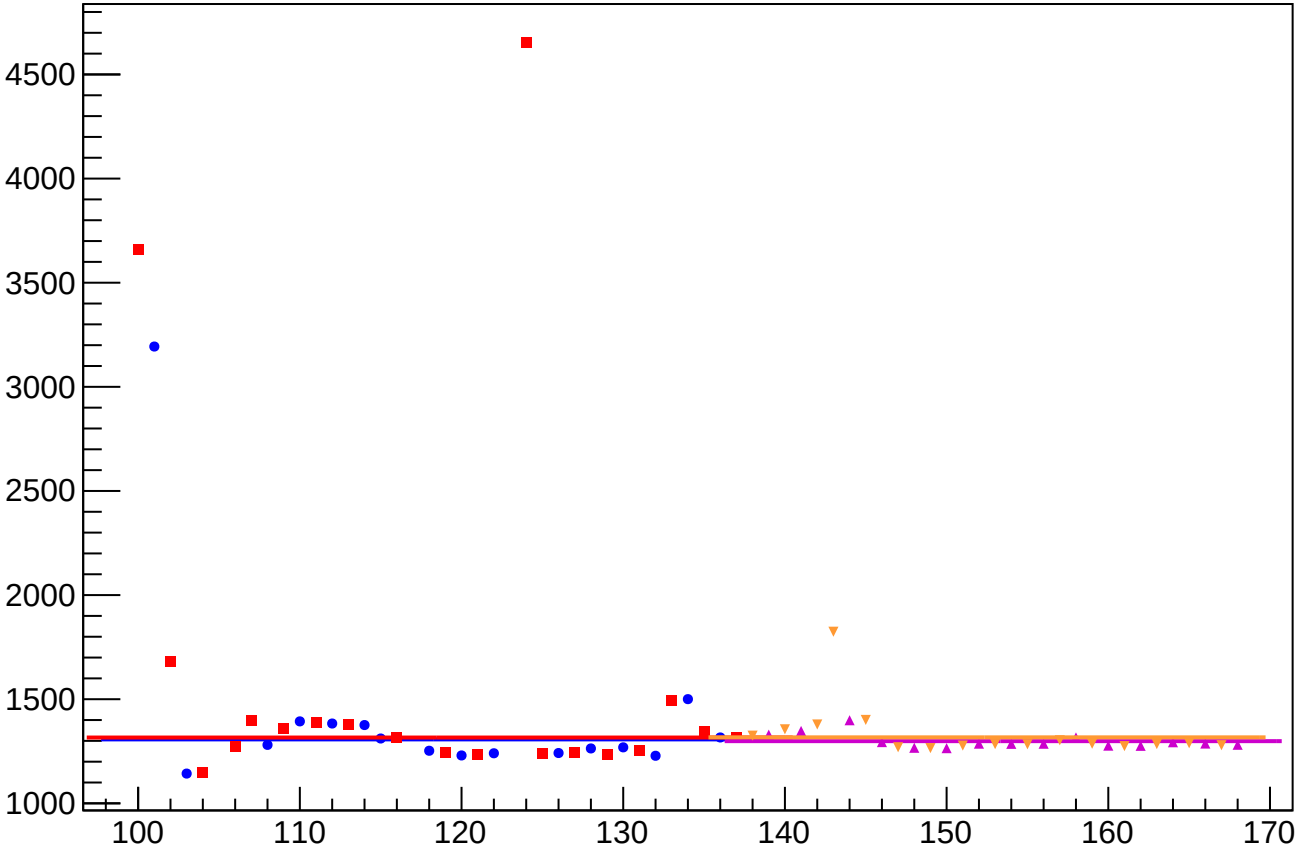
Left In: -2712.514+/-368.744 χ^2/NDF:20.2/14

+ sign 1799.346+/-297.226 χ^2/NDF: 34.6/31

All: -318.750+/-209.612 χ^2/NDF: 177.3/65

- sign -2414.482+/-295.652 χ^2/NDF: 41.6/33

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1316.856+/-0.263 χ^2/NDF:150139.3/15

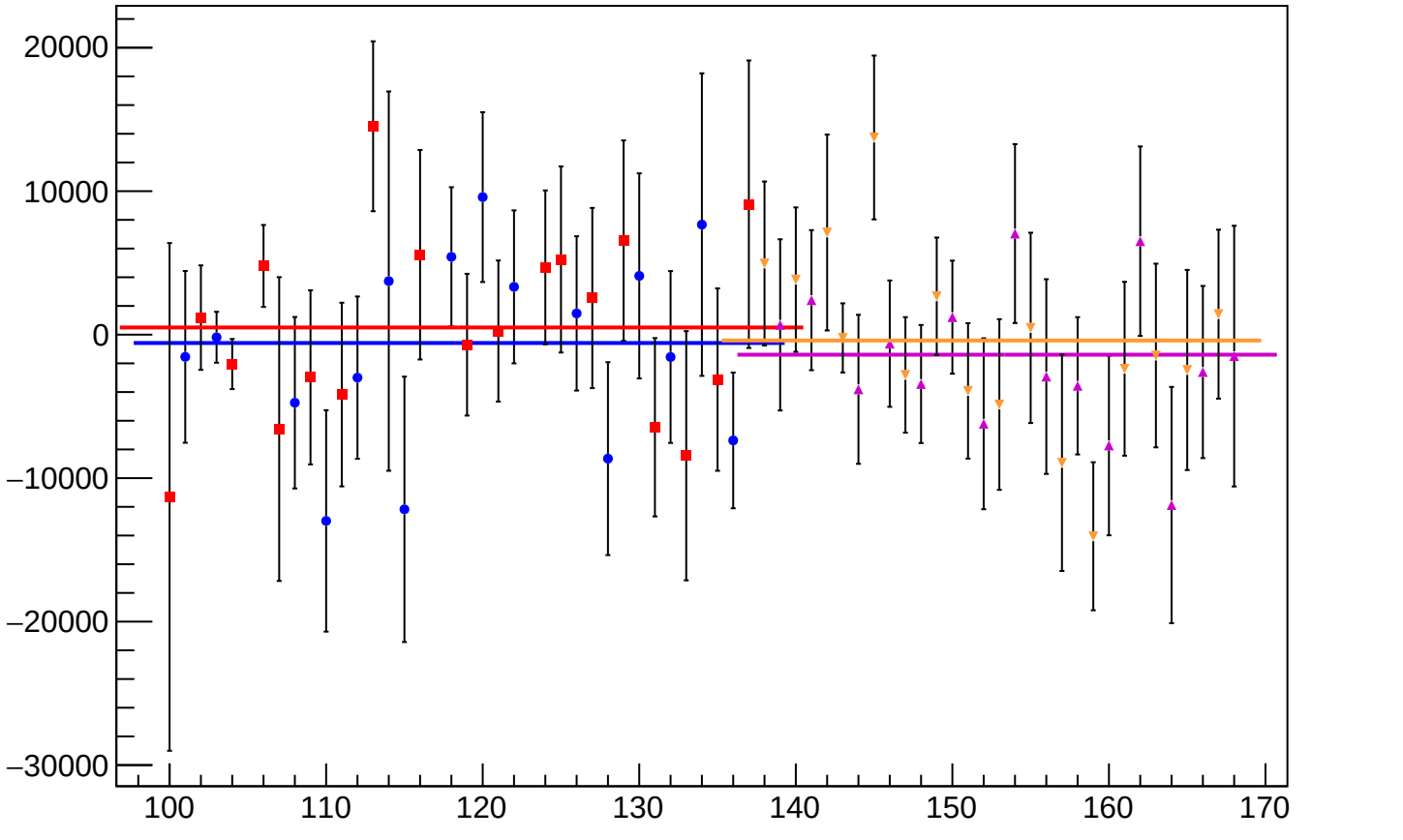
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1298.622+/-0.261 χ^2/NDF:17096.5/14

+ sign 1313.332+/-0.210 χ^2/NDF: 666888.1/31

All: 1309.064+/-0.148 χ^2/NDF: 1012816.1/65

- sign 1304.849+/-0.209 χ^2/NDF: 345108.3/33



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -407.548+/-1223.574 χ^2/NDF:19.6/15

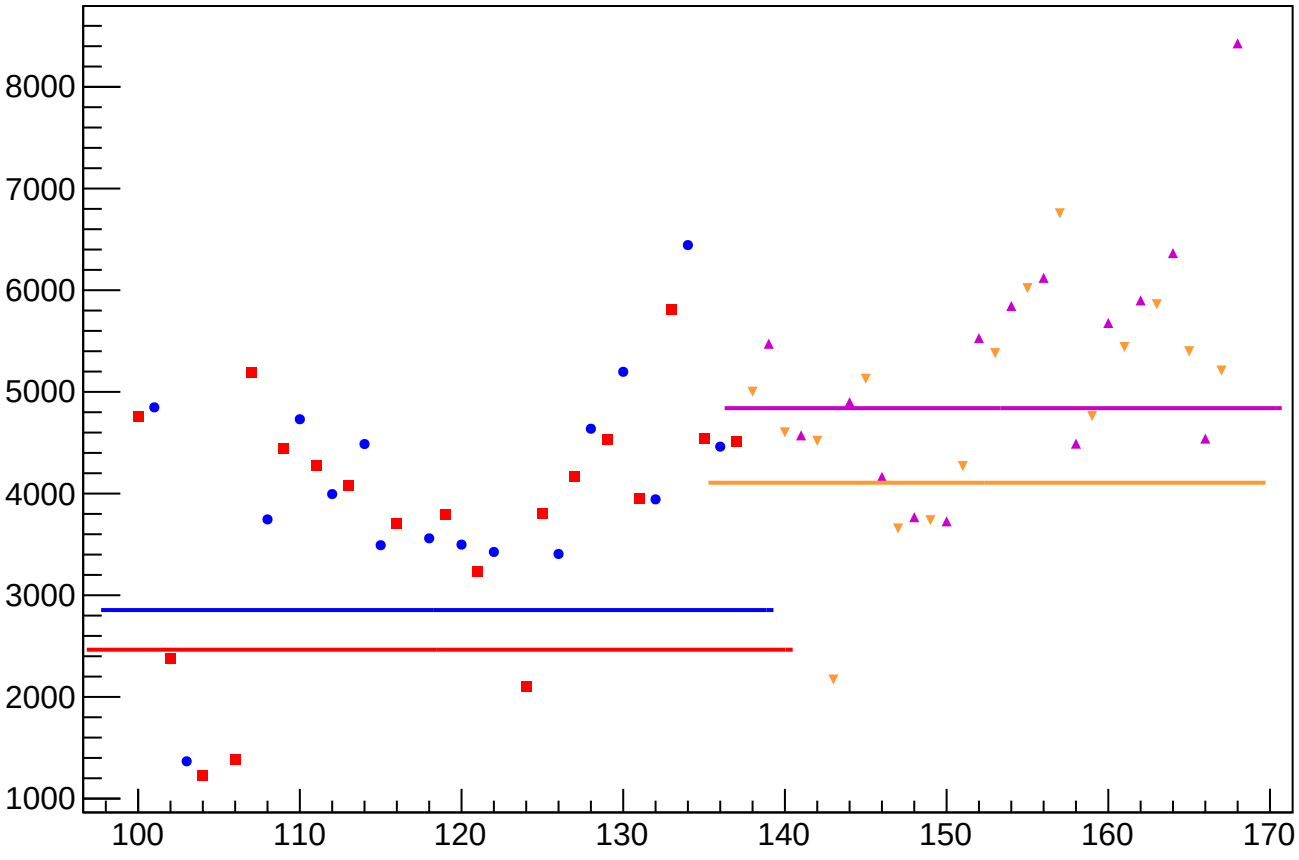
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -1395.899+/-1407.600 χ^2/NDF:8.5/14

+ sign -496.883+/-854.132 χ^2/NDF: 34.4/31

All: -337.764+/-600.501 χ^2/NDF: 61.8/65

- sign -182.241+/-844.424 χ^2/NDF: 27.4/33



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4106.590+/-0.865 χ^2/NDF:2397438.5/15

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

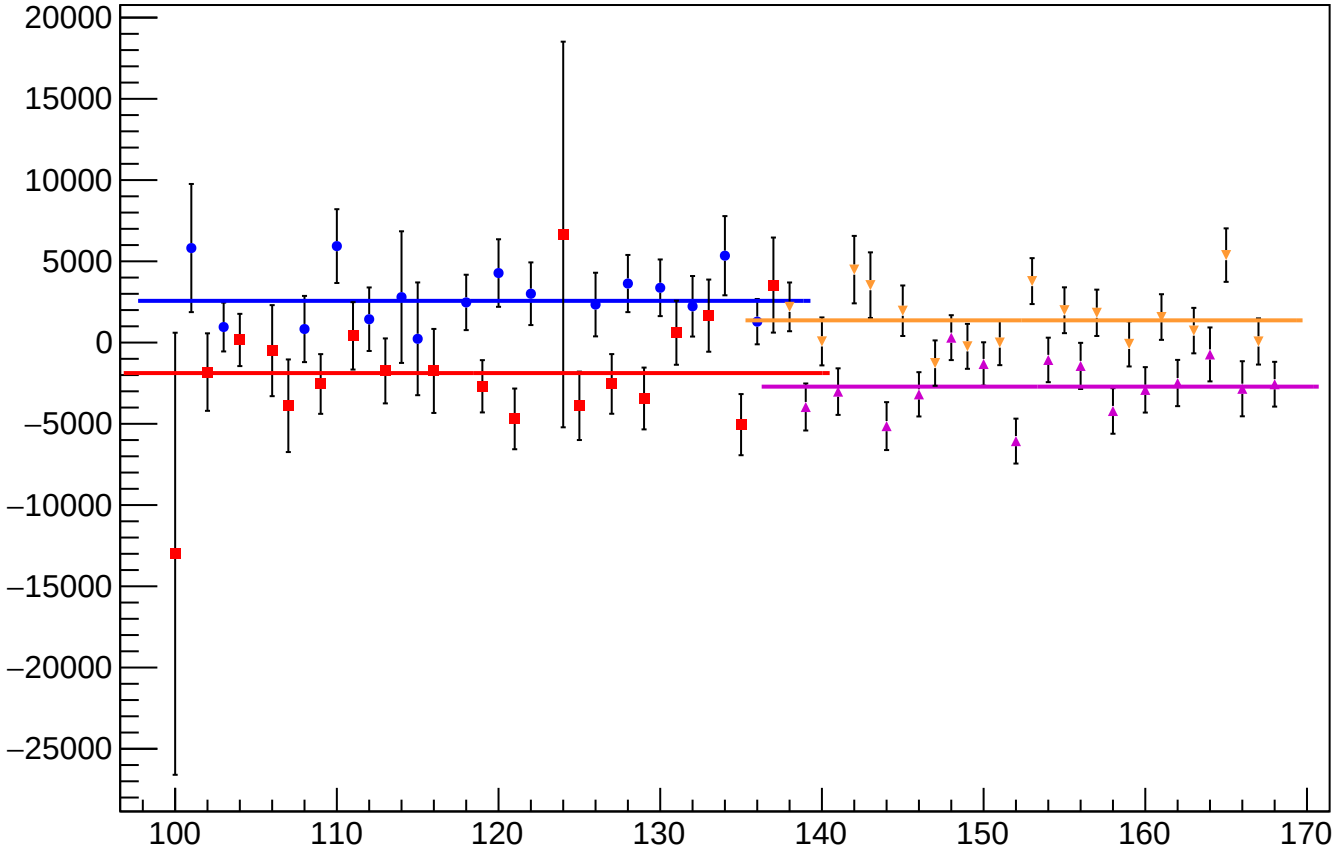
Left In: 4840.109+/-0.995 χ^2/NDF:1005070.0/14

+ sign 3464.531+/-0.604 χ^2/NDF: 6376371.6/31

All: 3391.188+/-0.425 χ^2/NDF: 14412798.4/6

- sign 3319.503+/-0.597 χ^2/NDF: 8007266.6/33

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1367.192+/-371.537 χ^2/NDF:21.8/15

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

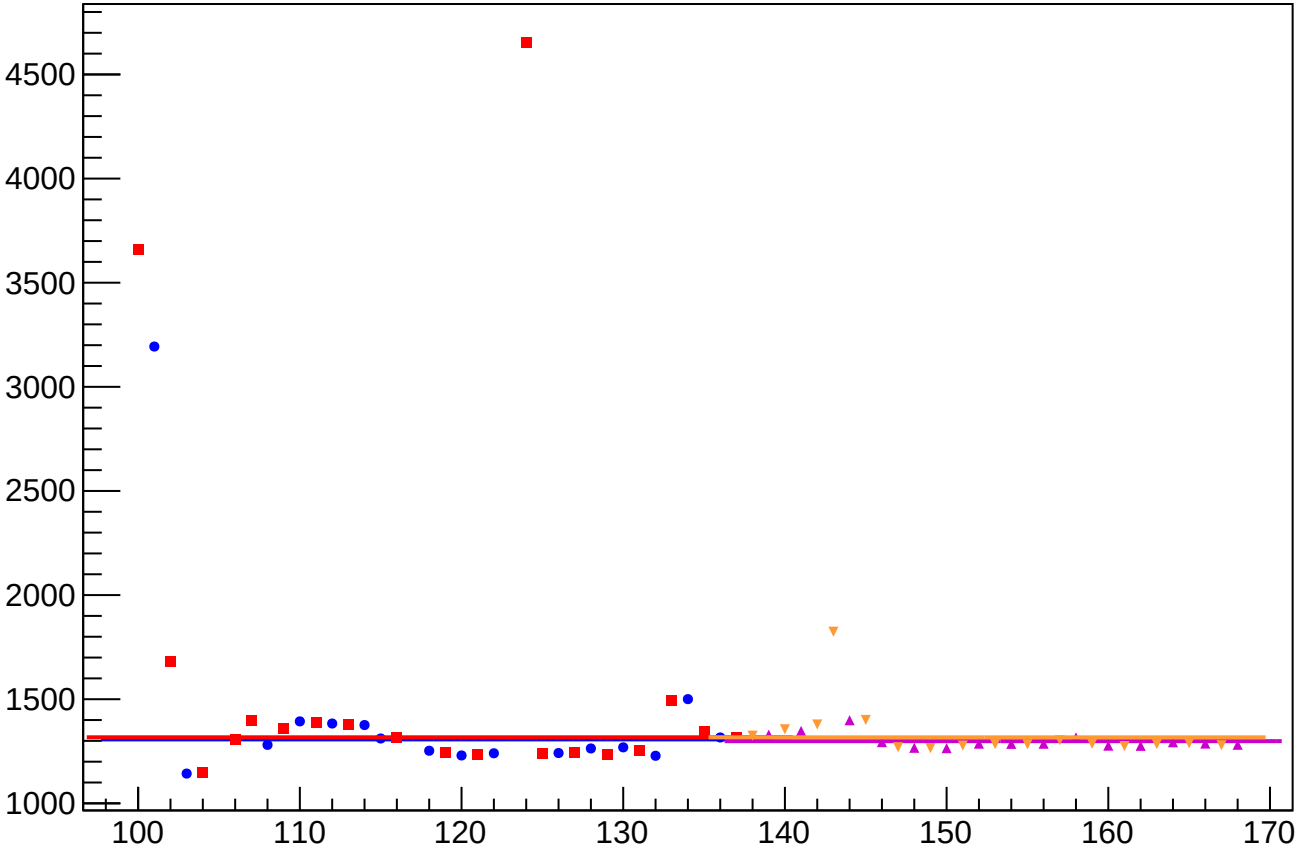
Left In: -2712.574+/-368.744 χ^2/NDF:20.2/14

+ sign 1799.208+/-297.226 χ^2/NDF: 34.6/31

All: -318.792+/-209.612 χ^2/NDF: 177.3/65

- sign -2414.429+/-295.652 χ^2/NDF: 41.6/33

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1316.856+/-0.263 χ^2/NDF:150139.3/15

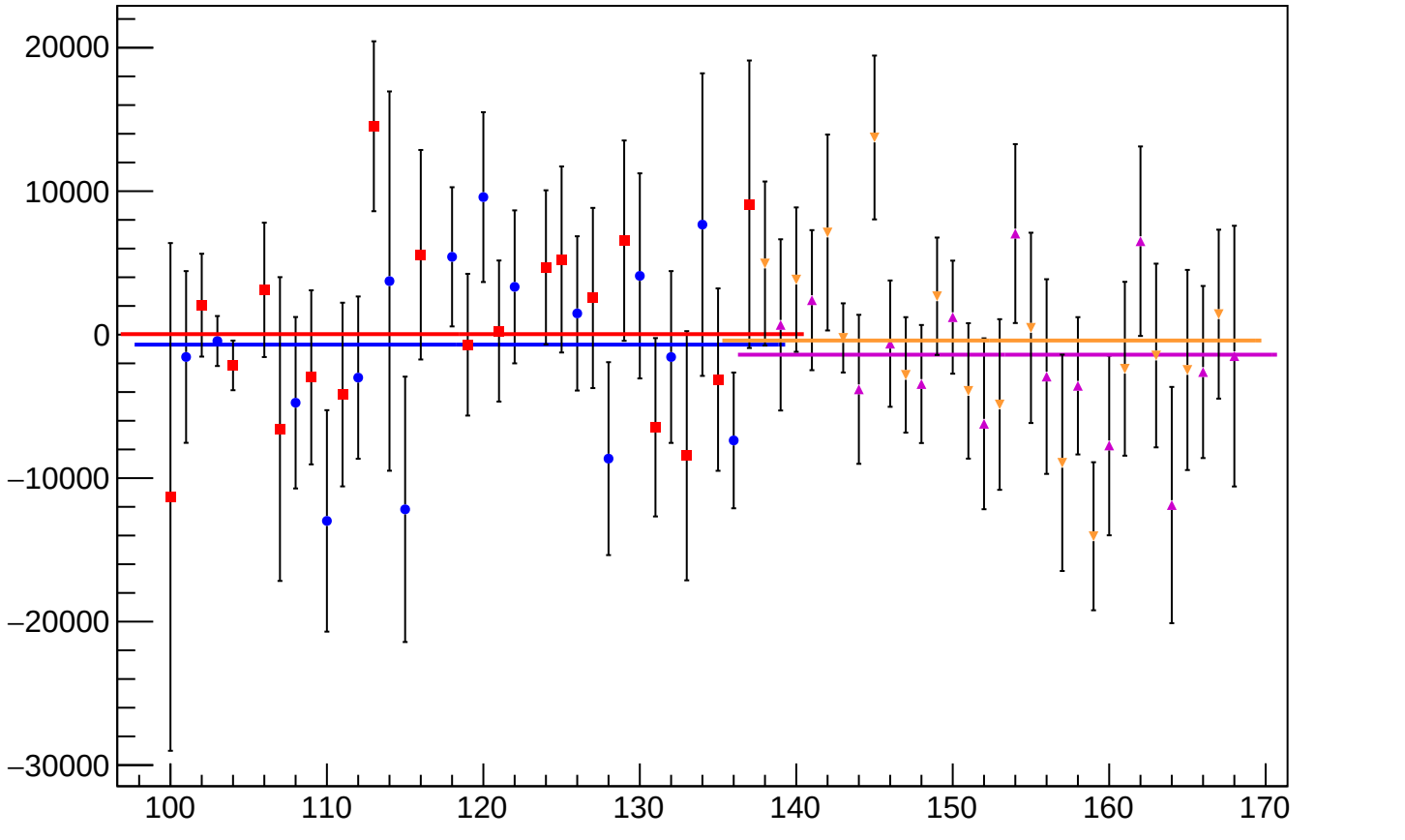
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1298.622+/-0.261 χ^2/NDF:17096.5/14

+ sign 1313.332+/-0.210 χ^2/NDF: 666889.6/31

All: 1309.266+/-0.148 χ^2/NDF: 1012460.8/65

- sign 1305.247+/-0.209 χ^2/NDF: 344826.9/33



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -407.550+/-1223.569 χ^2/NDF:19.6/15

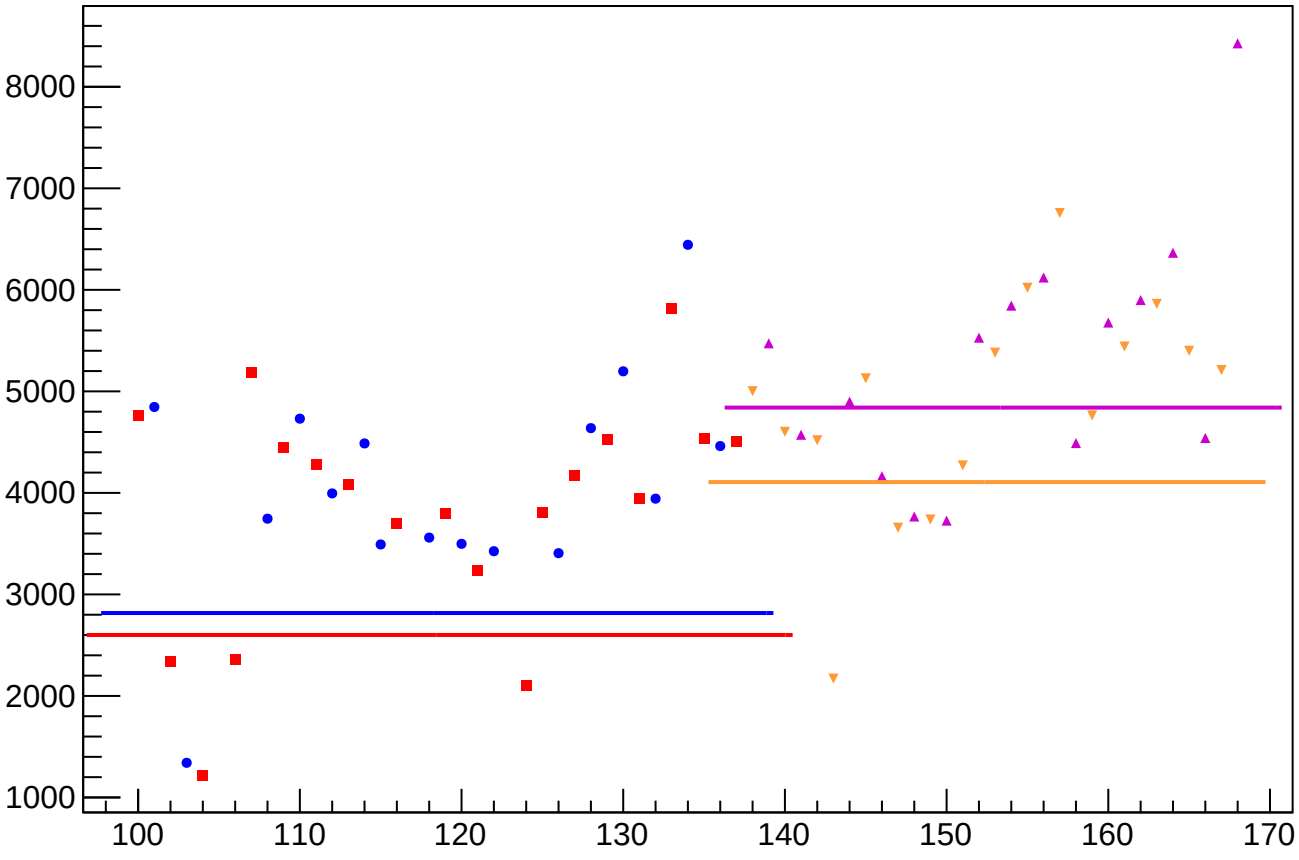
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1395.983+/-1407.600 χ^2/NDF:8.5/14

+ sign -556.317+/-850.277 χ^2/NDF: 34.3/31

All: -531.501+/-606.669 χ^2/NDF: 59.4/65

- sign -505.768+/-865.855 χ^2/NDF: 25.1/33



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4106.567+/-0.865 χ^2/NDF:2397512.2/15

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

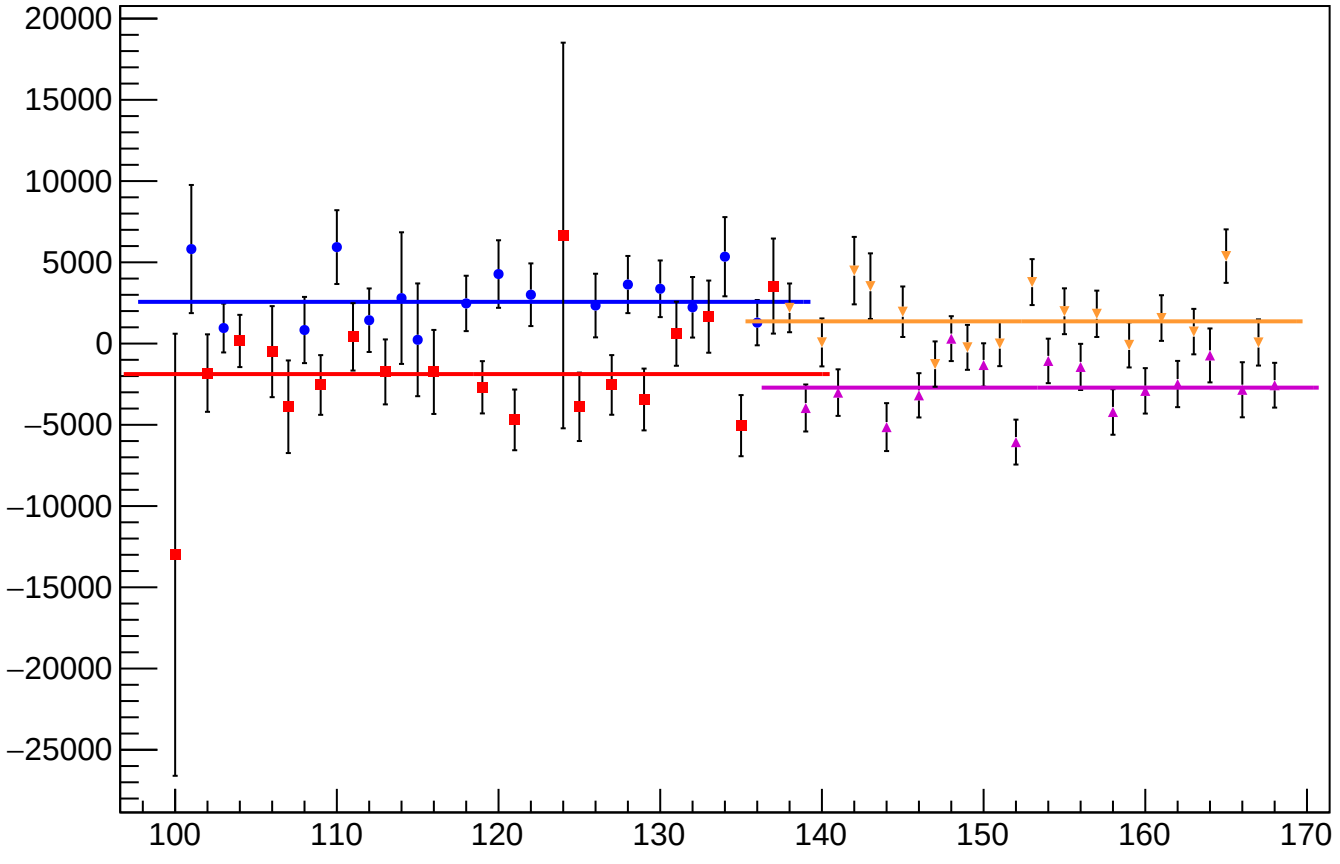
Left In: 4840.108+/-0.995 χ^2/NDF:1005076.8/14

+ sign 3439.630+/-0.601 χ^2/NDF: 6554227.0/31

All: 3443.713+/-0.429 χ^2/NDF: 13787401.5/6

- sign 3447.946+/-0.612 χ^2/NDF: 7233080.6/33

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: 1367.192+/-371.537 χ^2/NDF:21.8/15

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

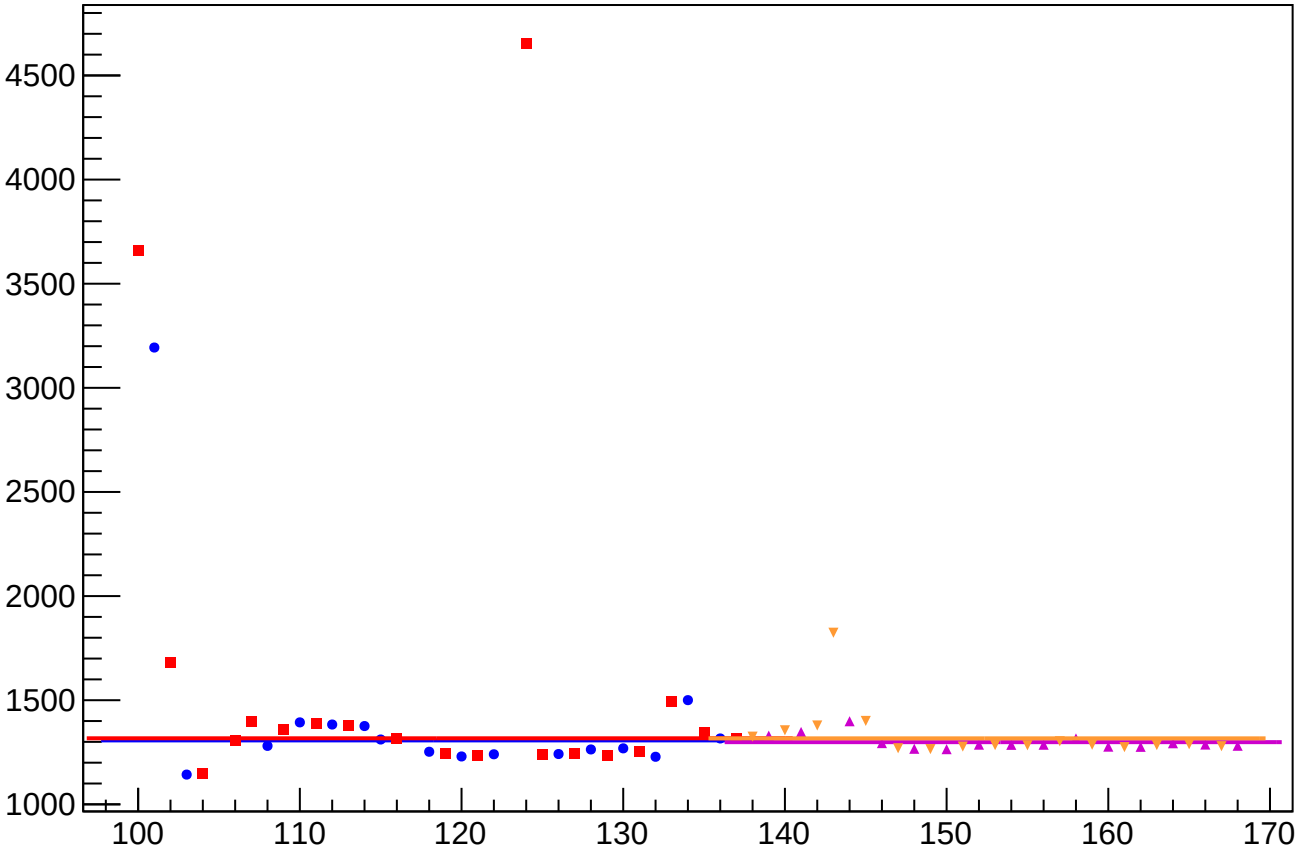
Left In: -2712.574+/-368.744 χ^2/NDF:20.2/14

+ sign 1799.208+/-297.226 χ^2/NDF: 34.6/31

All: -318.792+/-209.612 χ^2/NDF: 177.3/65

- sign -2414.429+/-295.652 χ^2/NDF: 41.6/33

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: 1316.856+/-0.263 χ^2/NDF:150139.3/15

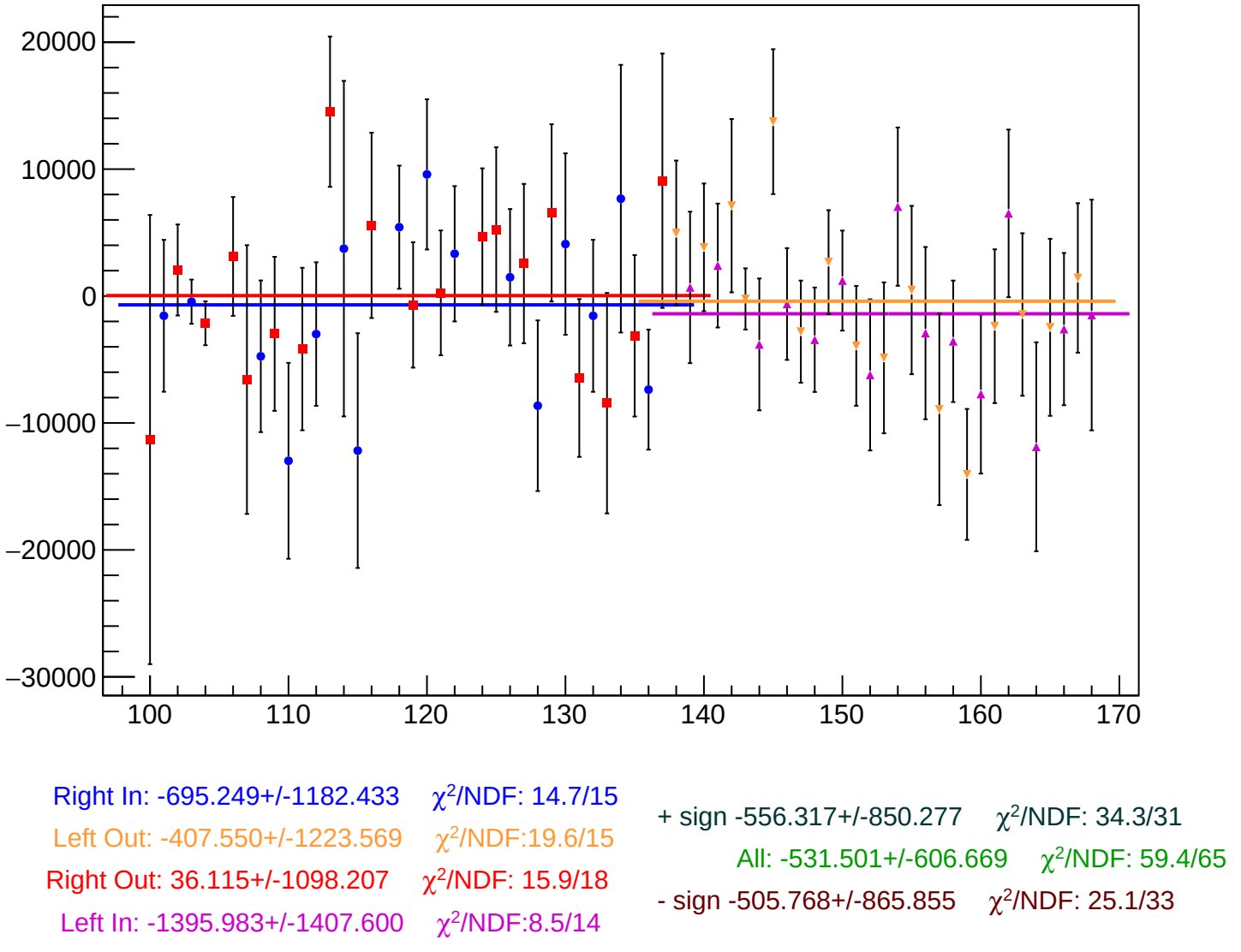
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

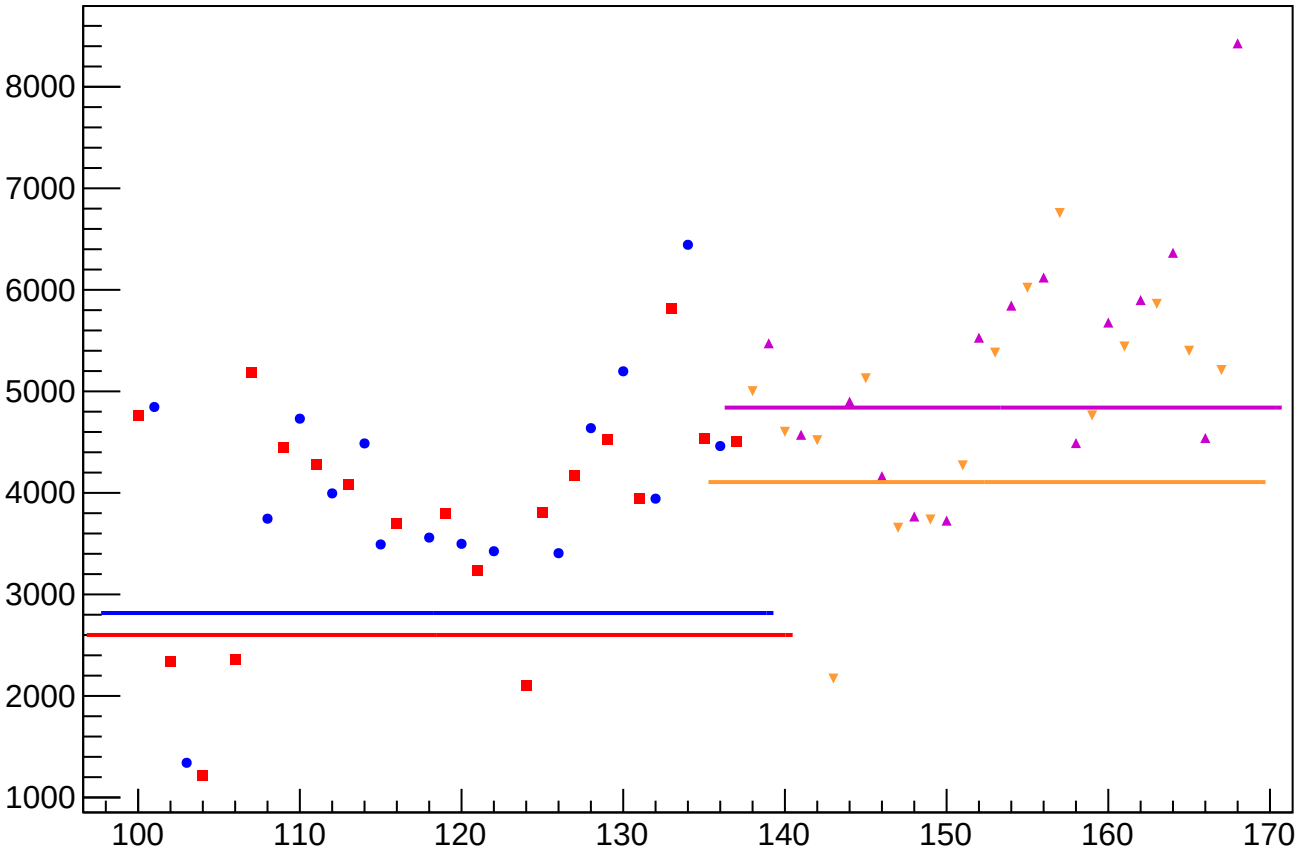
Left In: 1298.622+/-0.261 χ^2/NDF:17096.5/14

+ sign 1313.332+/-0.210 χ^2/NDF: 666889.6/31

All: 1309.266+/-0.148 χ^2/NDF: 1012460.8/65

- sign 1305.247+/-0.209 χ^2/NDF: 344826.9/33


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: -407.550+/-1223.569 χ²/NDF:19.6/15
Right Out: 36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: -1395.983+/-1407.600 χ²/NDF:8.5/14
+ sign -556.317+/-850.277 χ²/NDF: 34.3/31
All: -531.501+/-606.669 χ²/NDF: 59.4/65
- sign -505.768+/-865.855 χ²/NDF: 25.1/33



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4106.567+/-0.865 χ^2/NDF:2397512.2/15

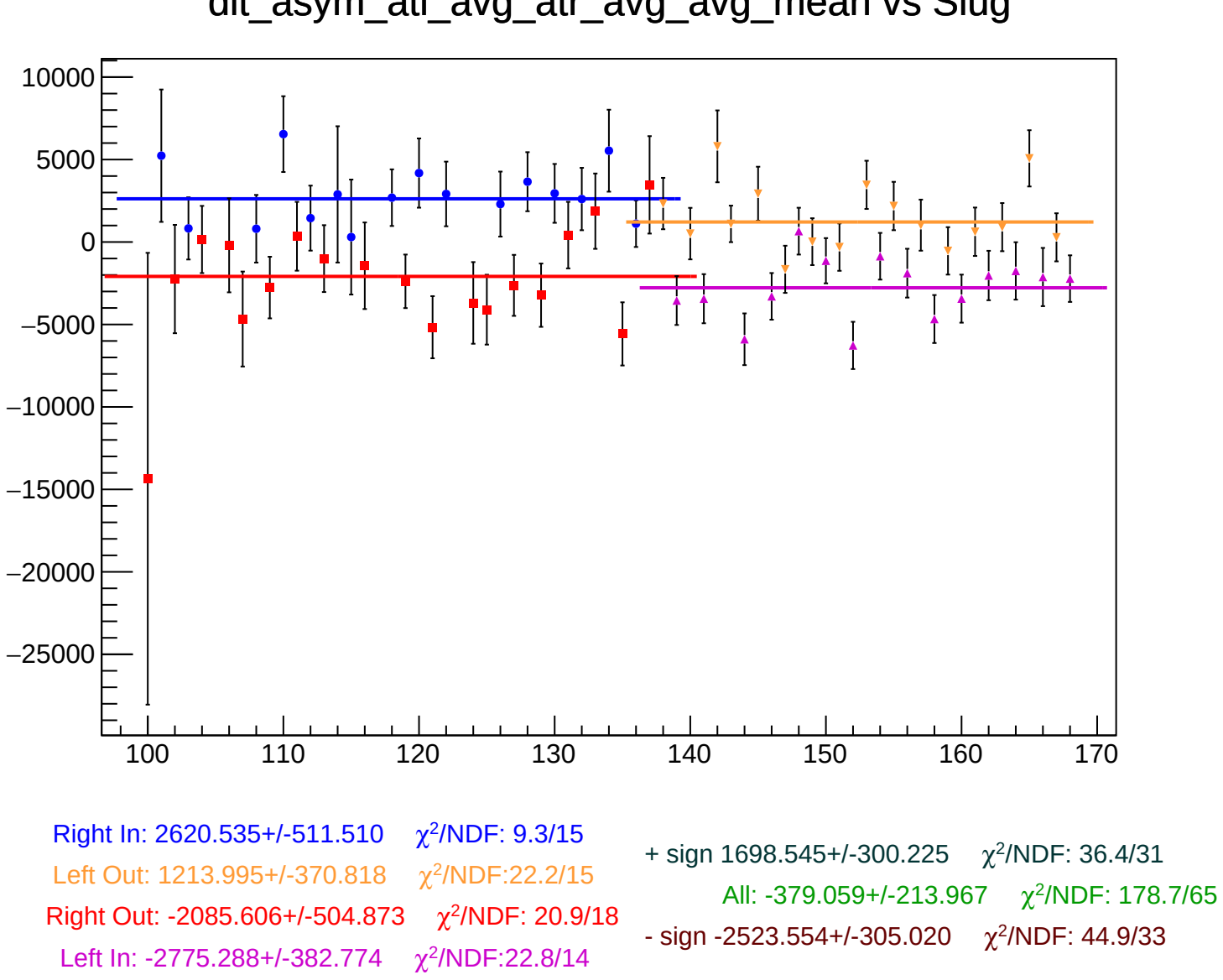
Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4840.108+/-0.995 χ^2/NDF:1005076.8/14

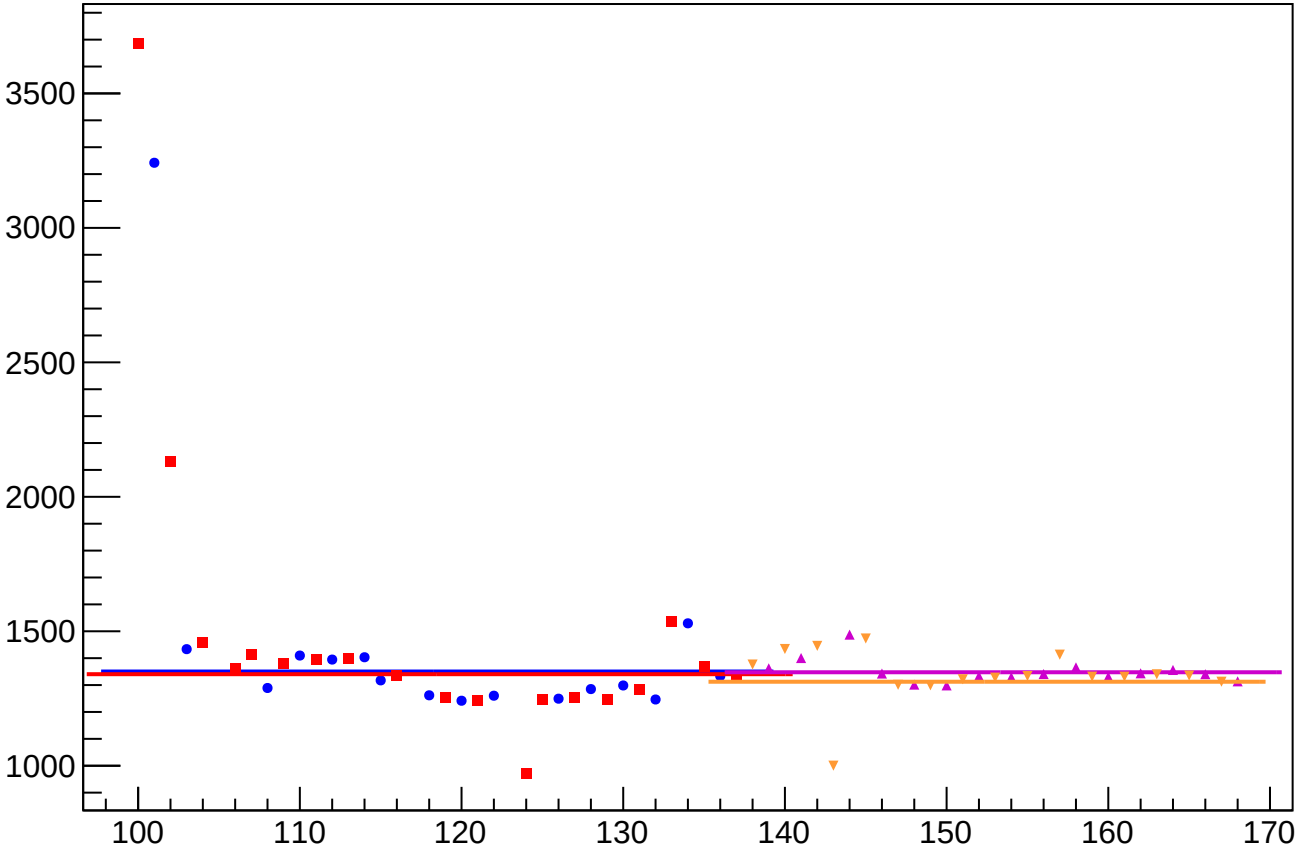
+ sign 3439.630+/-0.601 χ^2/NDF: 6554227.0/31

All: 3443.713+/-0.429 χ^2/NDF: 13787401.5/6

- sign 3447.946+/-0.612 χ^2/NDF: 7233080.6/33


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: 1213.995+/-370.818 χ²/NDF:22.2/15
Right Out: -2085.606+/-504.873 χ²/NDF: 20.9/18
Left In: -2775.288+/-382.774 χ²/NDF:22.8/14
+ sign 1698.545+/-300.225 χ²/NDF: 36.4/31
All: -379.059+/-213.967 χ²/NDF: 178.7/65
- sign -2523.554+/-305.020 χ²/NDF: 44.9/33

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1312.363+/-0.262 χ^2/NDF:212467.6/15

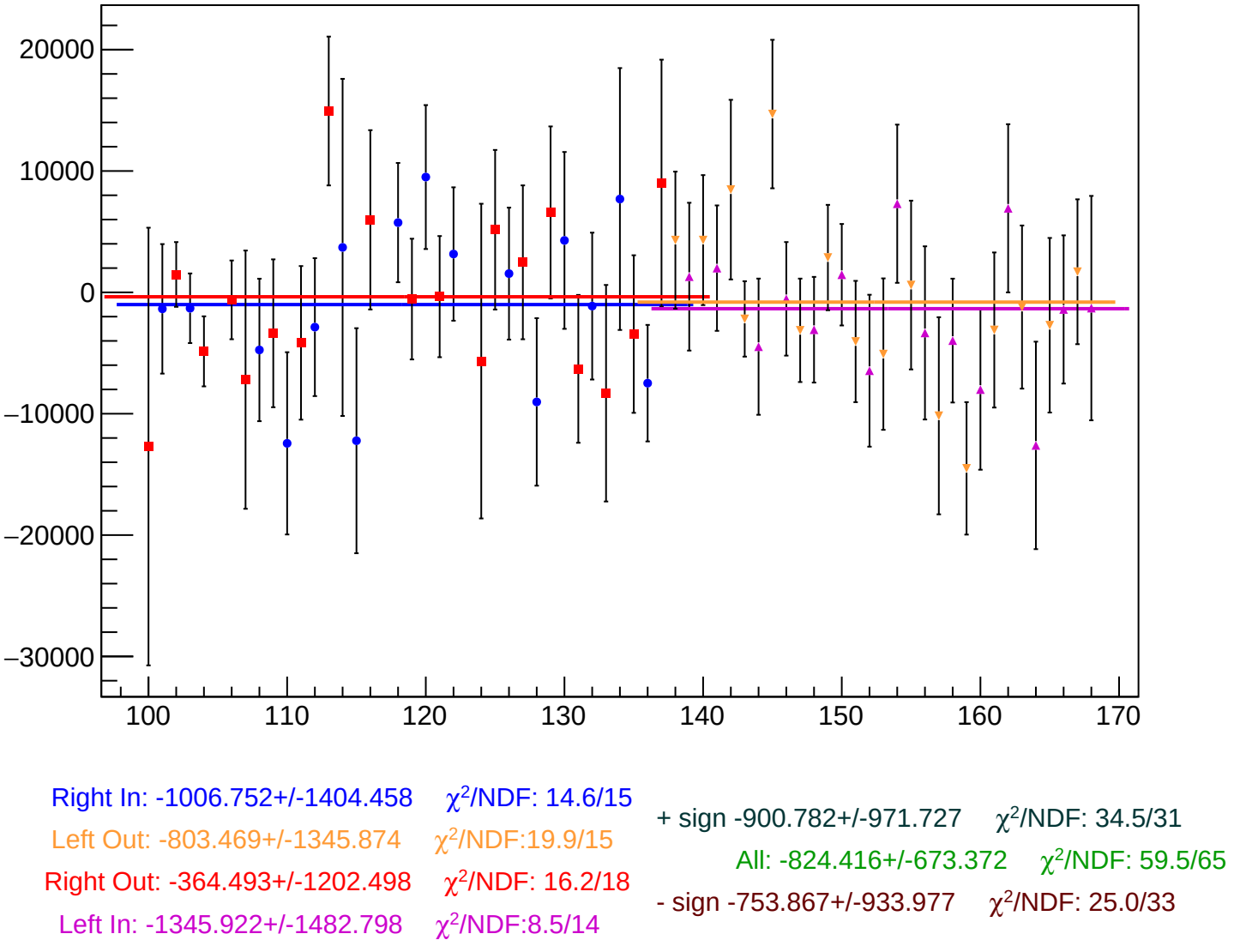
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

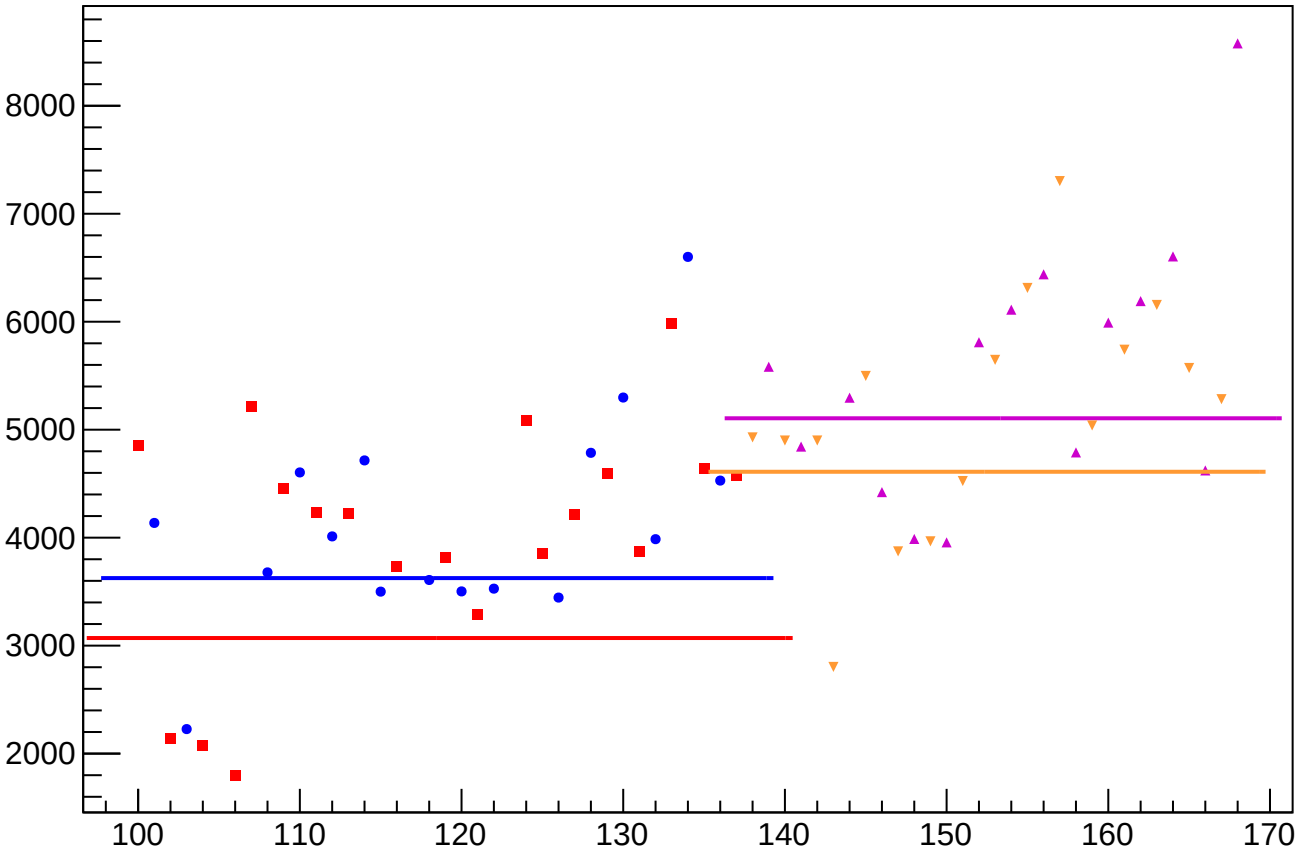
Left In: 1347.615+/-0.271 χ^2/NDF:25692.9/14

+ sign 1325.456+/-0.212 χ^2/NDF: 713756.3/31

All: 1335.070+/-0.151 χ^2/NDF: 1016057.3/65

- sign 1344.990+/-0.216 χ^2/NDF: 298133.9/33


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: -803.469+/-1345.874 χ²/NDF:19.9/15
Right Out: -364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: -1345.922+/-1482.798 χ²/NDF:8.5/14
+ sign -900.782+/-971.727 χ²/NDF: 34.5/31
All: -824.416+/-673.372 χ²/NDF: 59.5/65
- sign -753.867+/-933.977 χ²/NDF: 25.0/33



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4610.355+/-0.952 χ^2/NDF:1475265.0/15

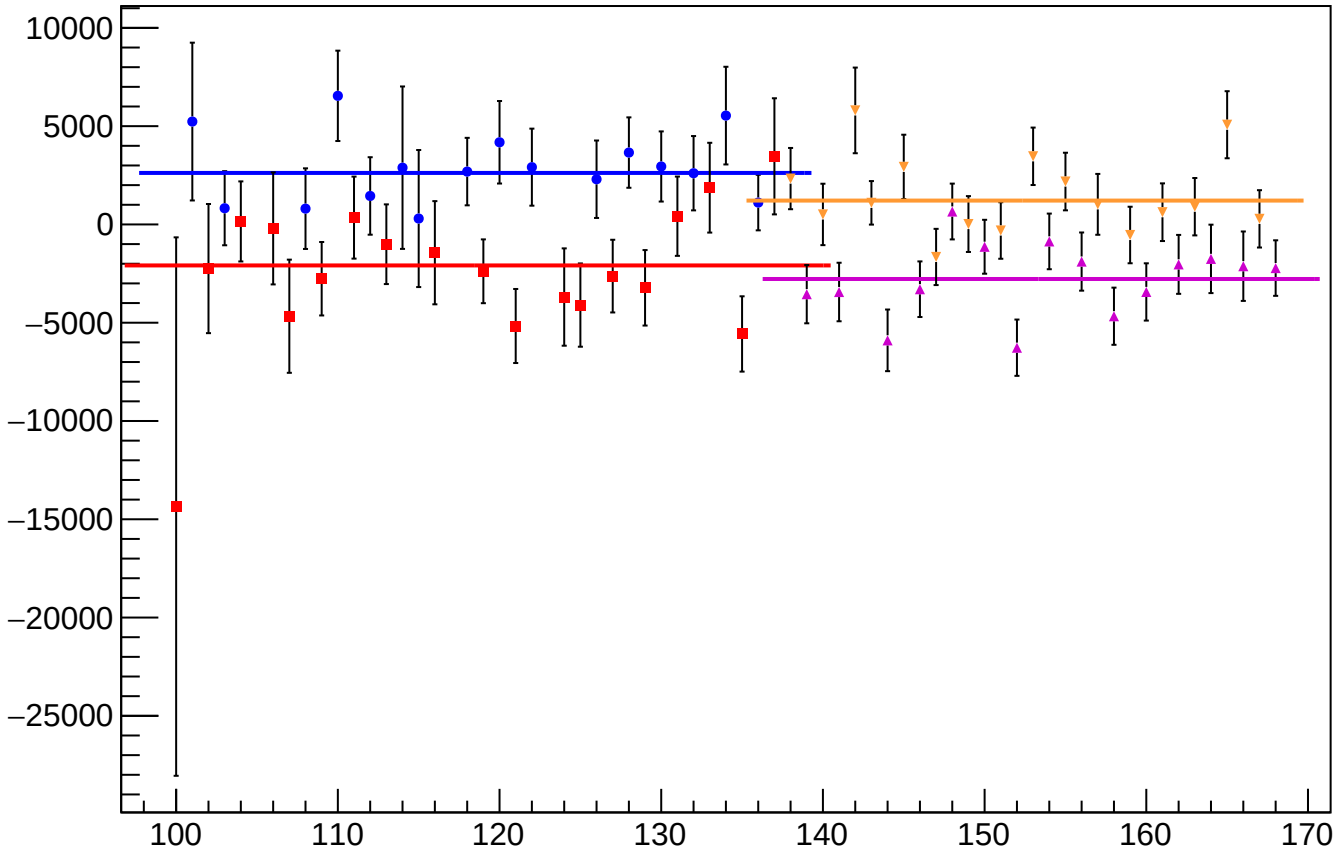
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5105.691+/-1.048 χ^2/NDF:936855.0/14

+ sign 4138.902+/-0.687 χ^2/NDF: 2932827.2/31

All: 4003.238+/-0.476 χ^2/NDF: 8056360.4/65

- sign 3877.911+/-0.660 χ^2/NDF: 5048538.7/33



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1213.988+/-370.818 χ^2/NDF:22.2/15

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

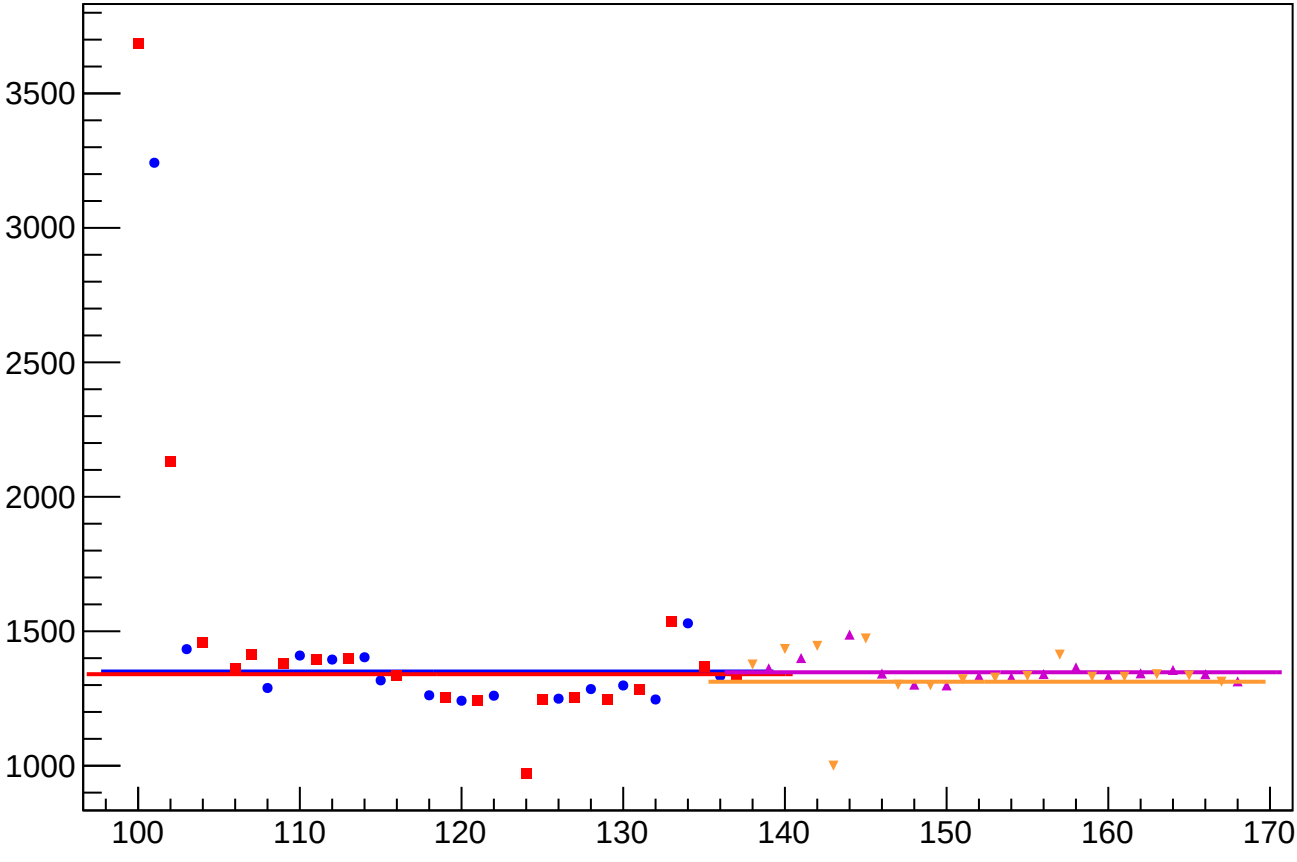
Left In: -2775.289+/-382.774 χ^2/NDF:22.8/14

+ sign 1698.541+/-300.226 χ^2/NDF: 36.4/31

All: -379.061+/-213.967 χ^2/NDF: 178.7/65

- sign -2523.555+/-305.020 χ^2/NDF: 44.9/33

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: 1312.365+/-0.262 χ^2/NDF:212468.3/15

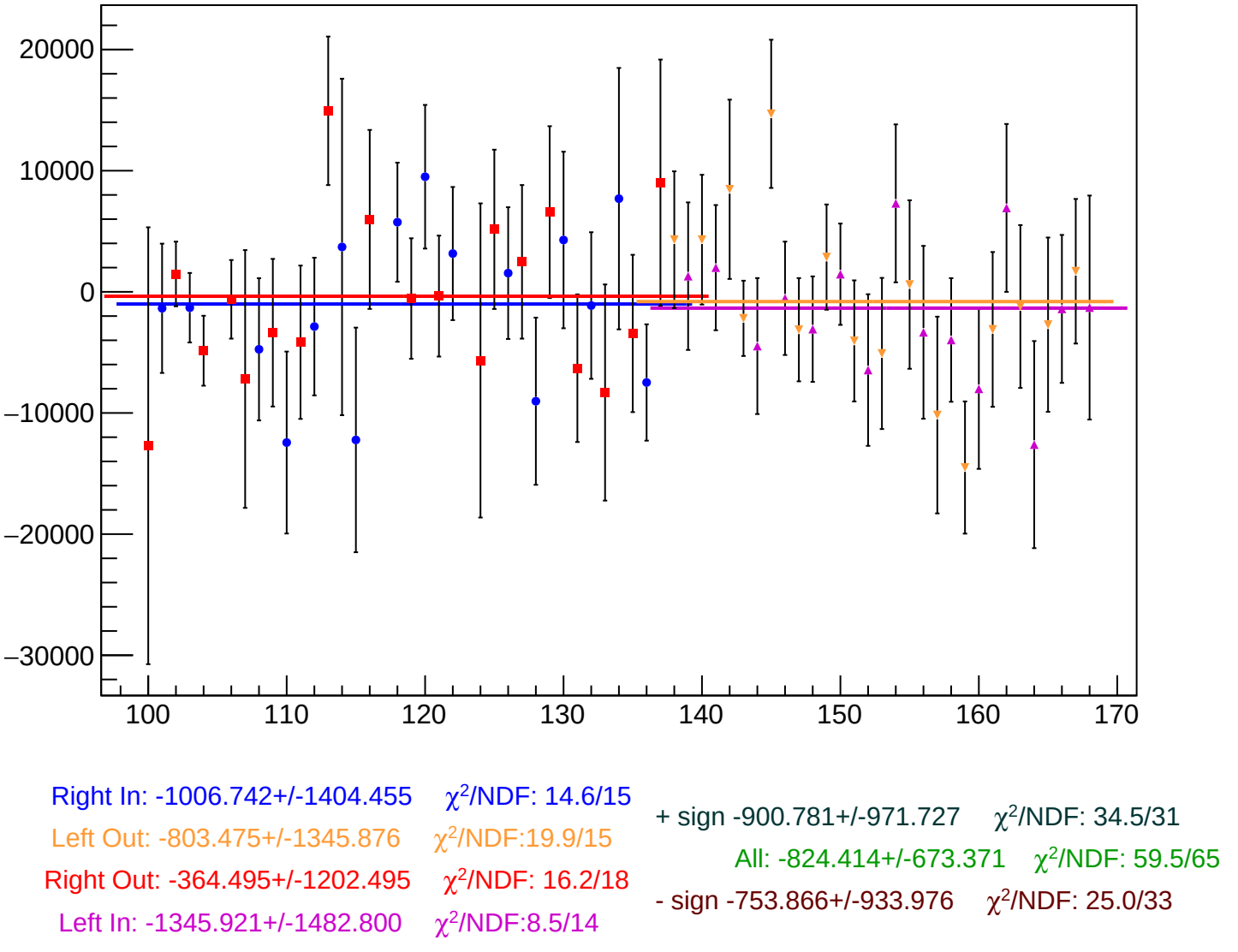
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

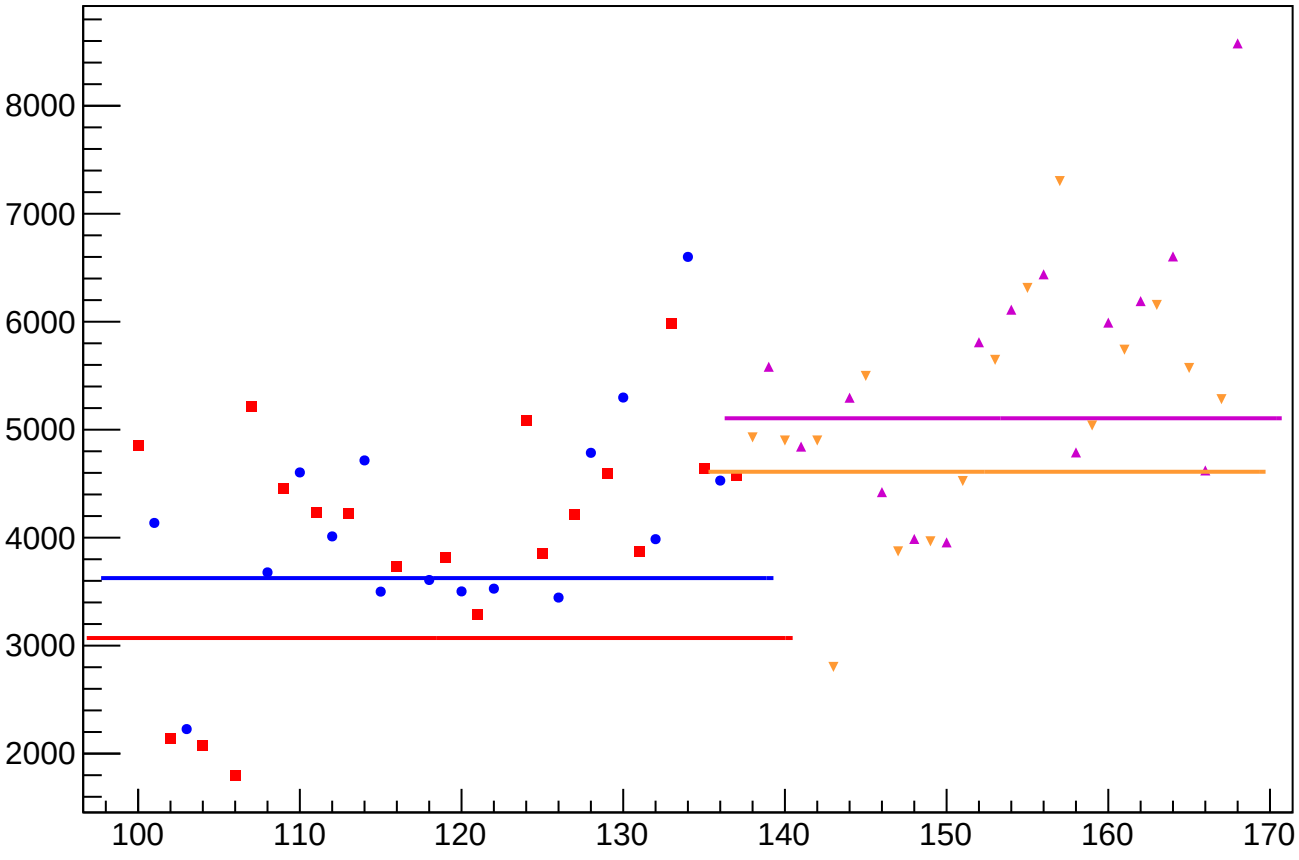
Left In: 1347.616+/-0.271 χ^2/NDF:25693.1/14

+ sign 1325.457+/-0.212 χ^2/NDF: 713756.4/31

All: 1335.071+/-0.151 χ^2/NDF: 1016056.8/65

- sign 1344.991+/-0.216 χ^2/NDF: 298133.3/33


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: -803.475+/-1345.876 χ²/NDF:19.9/15
Right Out: -364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: -1345.921+/-1482.800 χ²/NDF:8.5/14
+ sign -900.781+/-971.727 χ²/NDF: 34.5/31
All: -824.414+/-673.371 χ²/NDF: 59.5/65
- sign -753.866+/-933.976 χ²/NDF: 25.0/33



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4610.362+/-0.952 χ^2/NDF:1475266.2/15

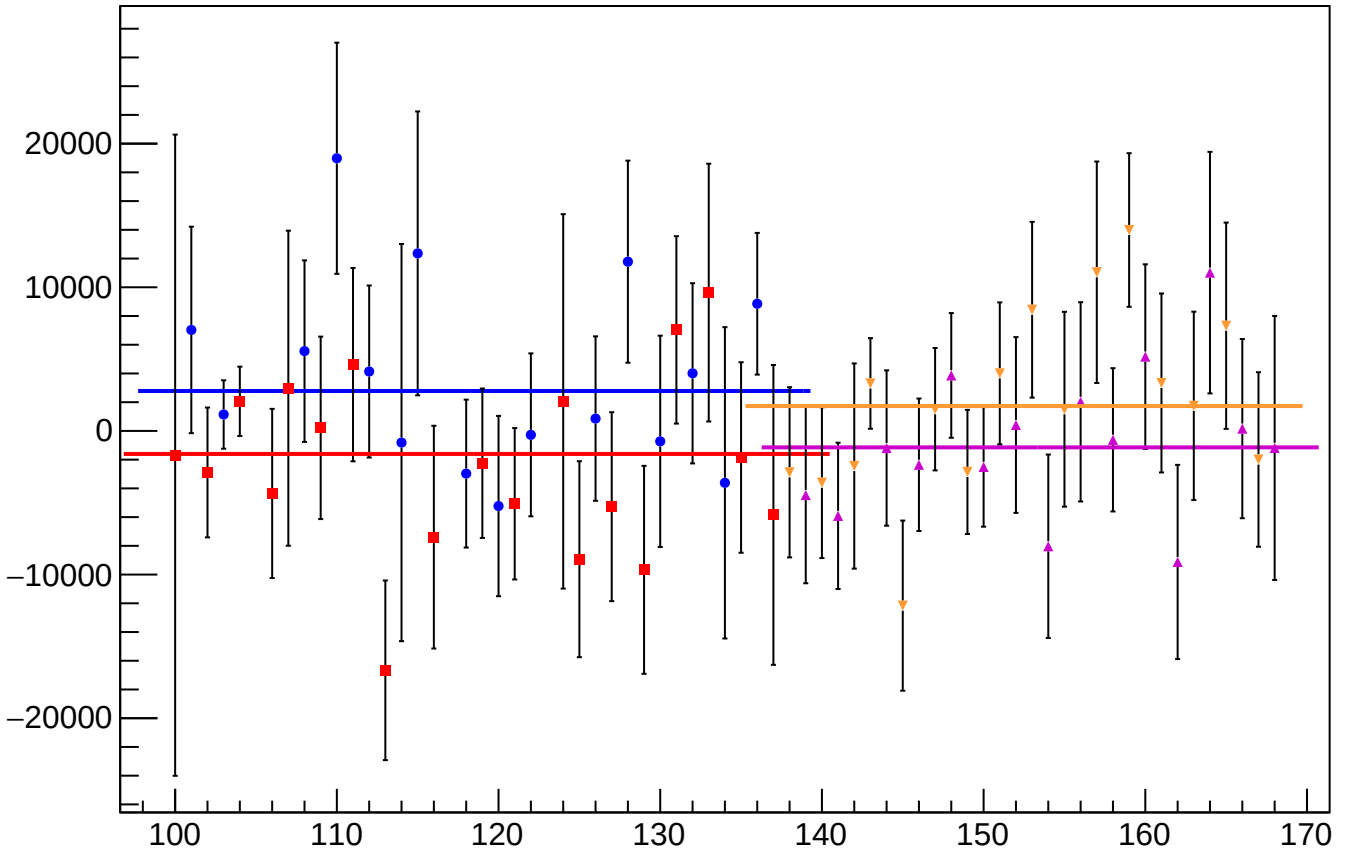
Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5105.698+/-1.048 χ^2/NDF:936856.6/14

+ sign 4138.899+/-0.687 χ^2/NDF: 2932847.8/31

All: 4003.234+/-0.476 χ^2/NDF: 8056424.1/65

- sign 3877.905+/-0.660 χ^2/NDF: 5048579.5/33



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1731.384+/-1337.795 χ^2/NDF:18.0/15

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

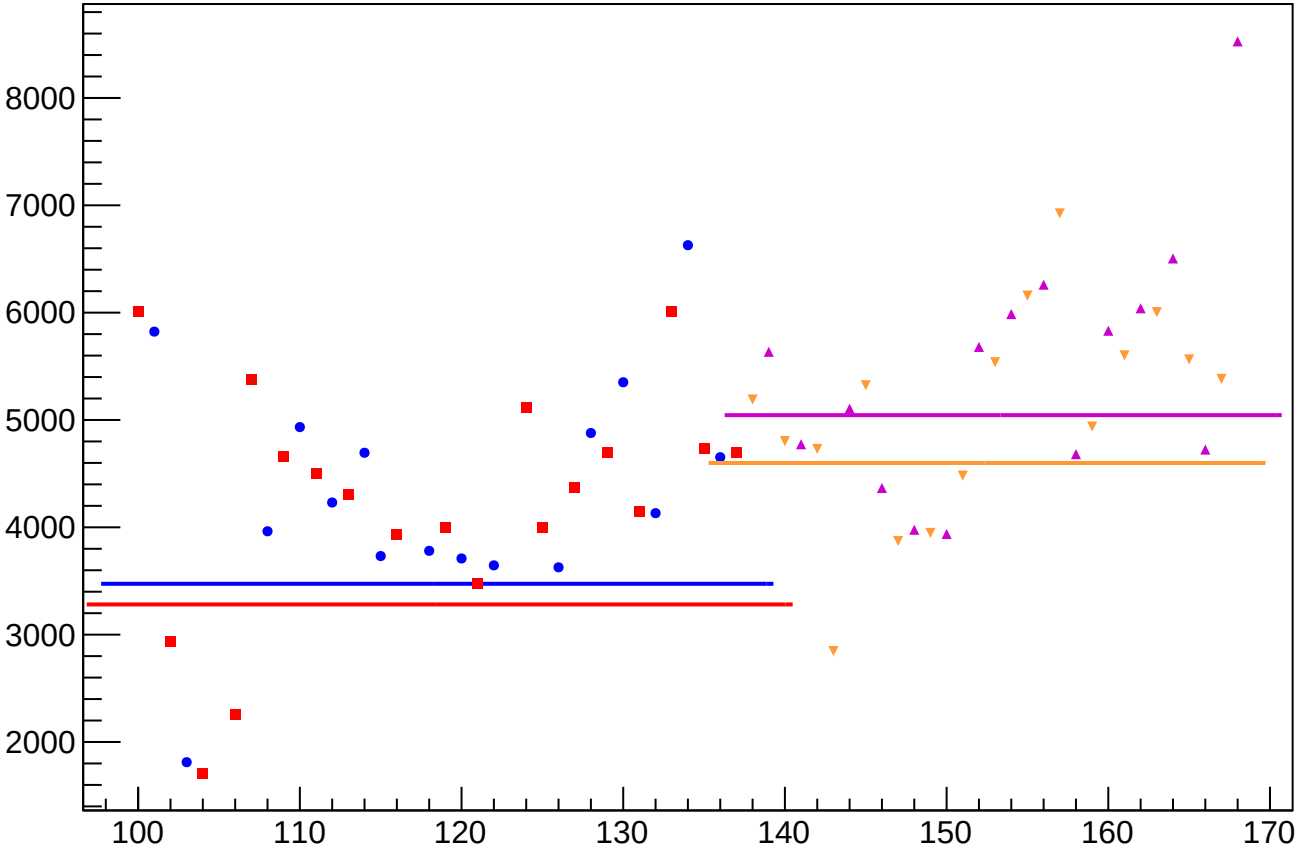
Left In: -1144.376+/-1463.179 χ^2/NDF:8.6/14

+ sign 2236.264+/-963.704 χ^2/NDF: 31.5/31

All: 464.444+/-689.533 χ^2/NDF: 63.9/65

- sign -1394.105+/-987.008 χ^2/NDF: 25.5/33

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4599.459+/-0.946 χ^2/NDF:1331345.6/15

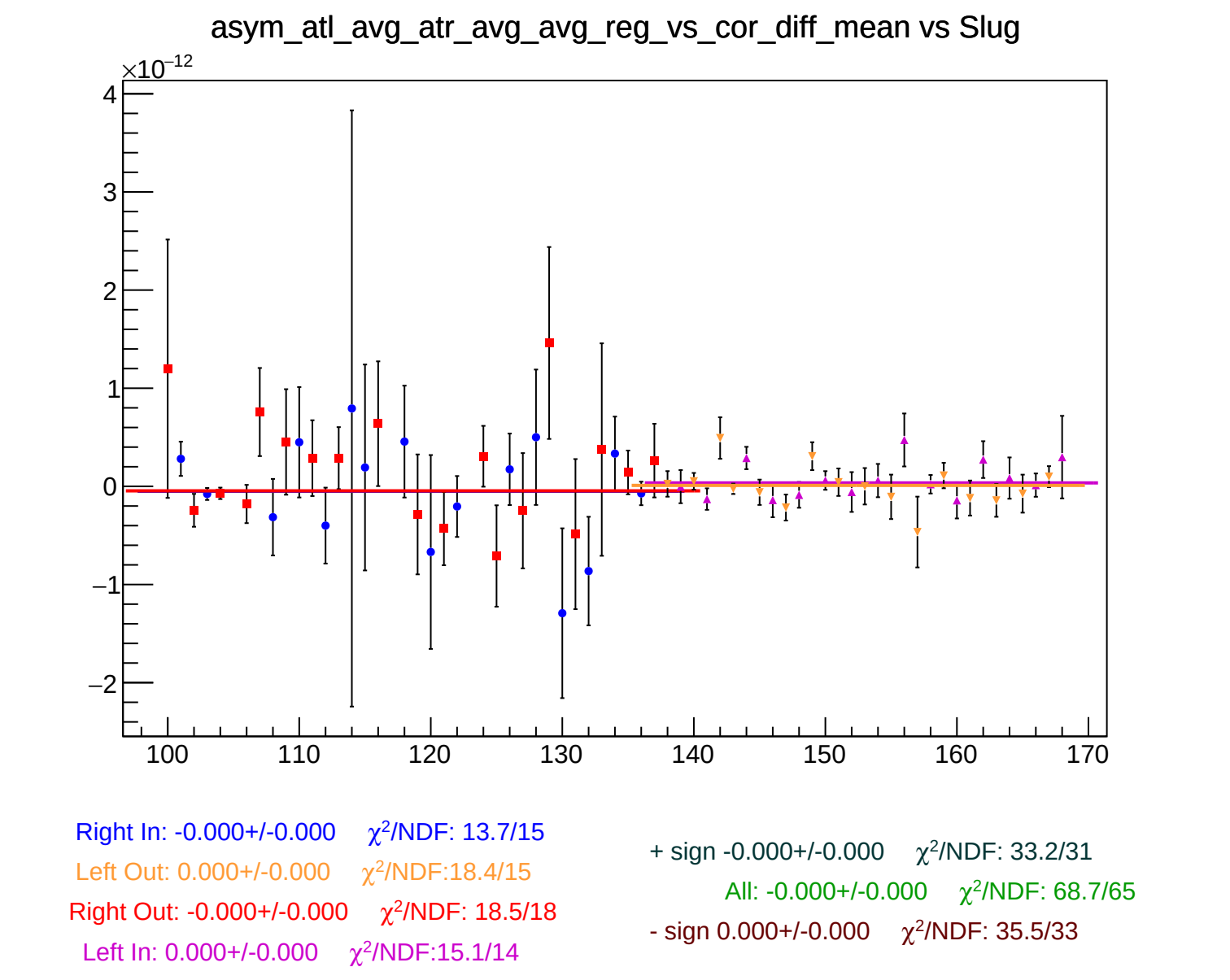
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

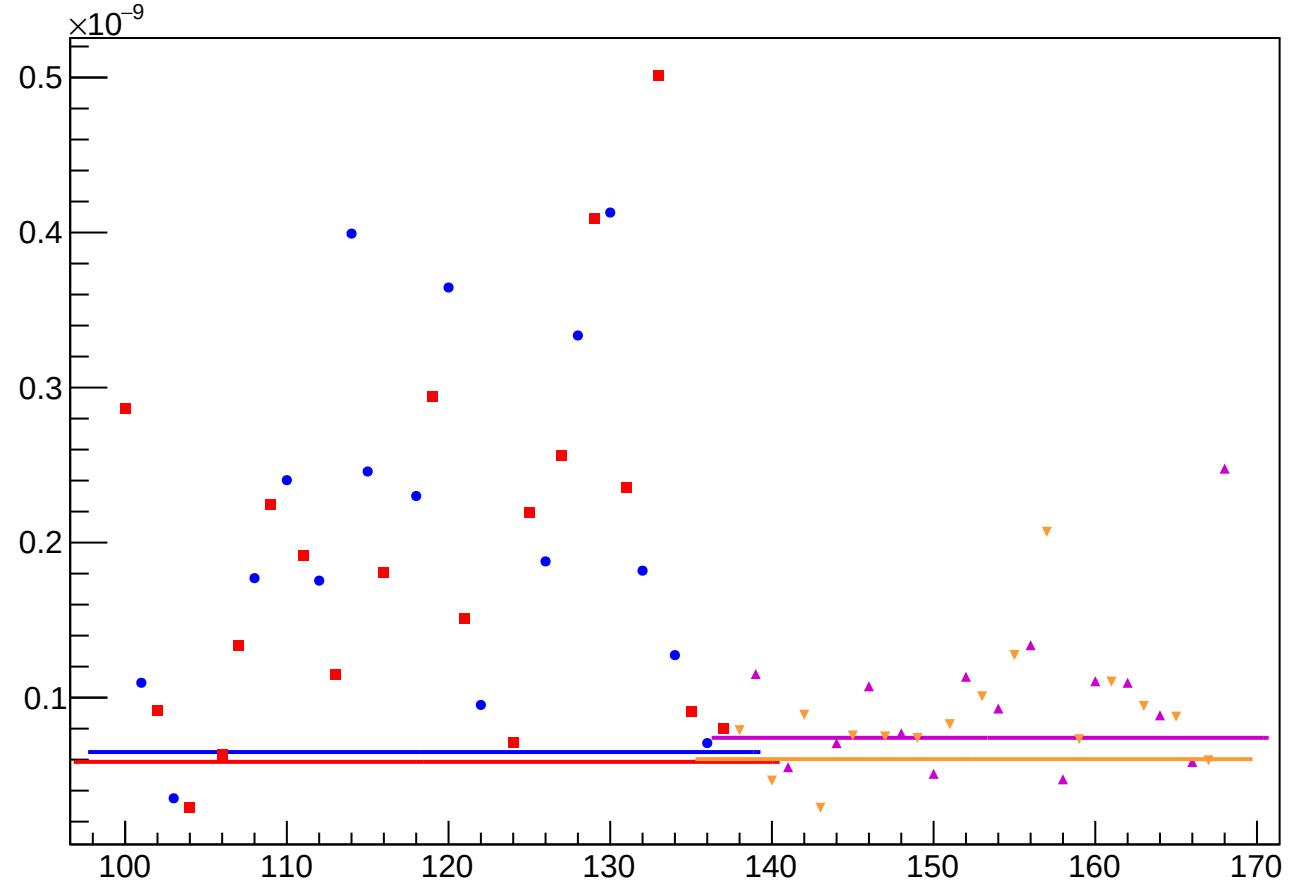
Left In: 5045.165+/-1.035 χ^2/NDF:893201.5/14

+ sign 4057.981+/-0.681 χ^2/NDF: 3856395.1/31

All: 4064.876+/-0.486 χ^2/NDF: 8228704.0/65

- sign 4072.000+/-0.693 χ^2/NDF: 4372100.7/33


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:18.4/15
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:15.1/14
+ sign -0.000+/-0.000 χ²/NDF: 33.2/31
All: -0.000+/-0.000 χ²/NDF: 68.7/65
- sign 0.000+/-0.000 χ²/NDF: 35.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1860142.0/15

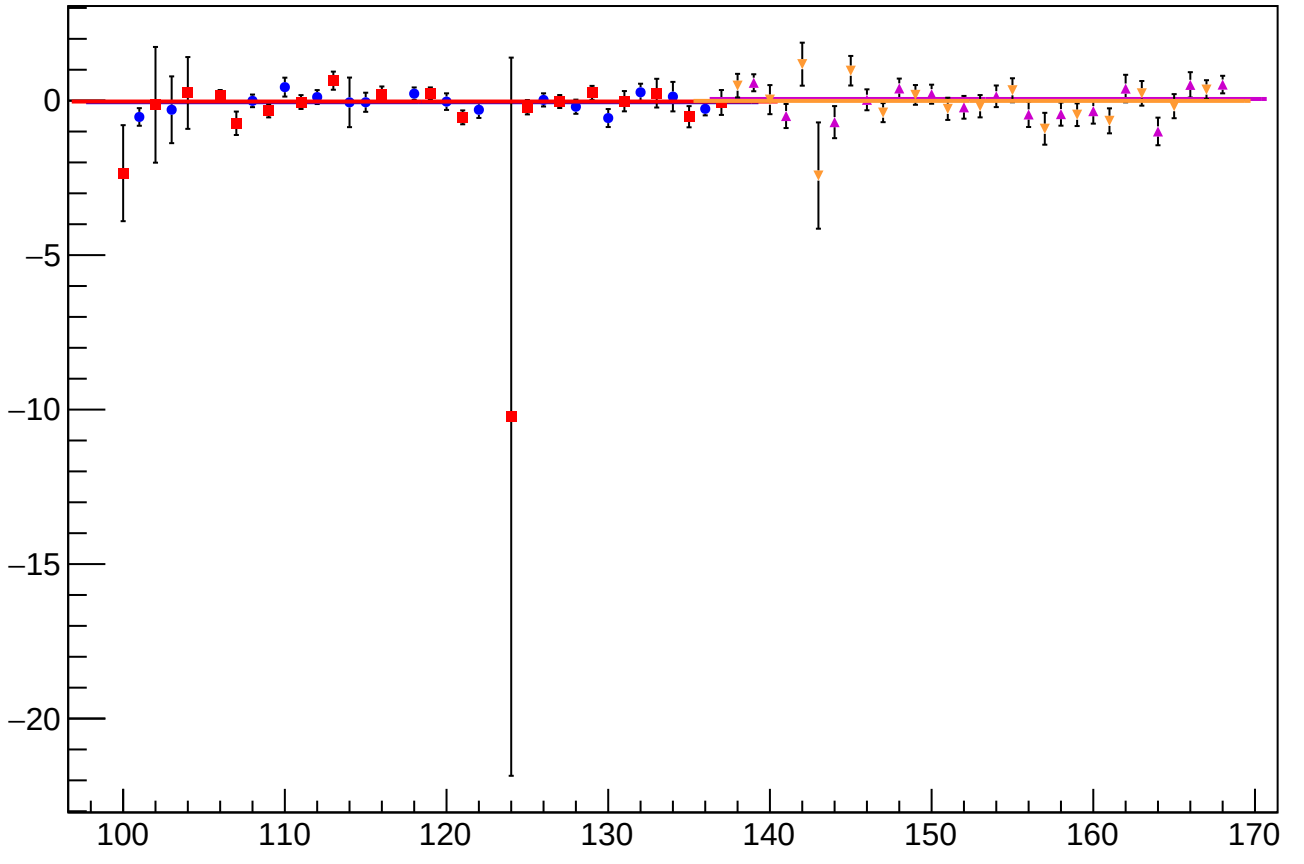
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1266431.7/14

+ sign 0.000+/-0.000 χ^2/NDF: 4465757.1/31

All: 0.000+/-0.000 χ^2/NDF: 8779272.5/65

- sign 0.000+/-0.000 χ^2/NDF: 4254518.9/33



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.008+/-0.099 χ^2/NDF:23.2/15

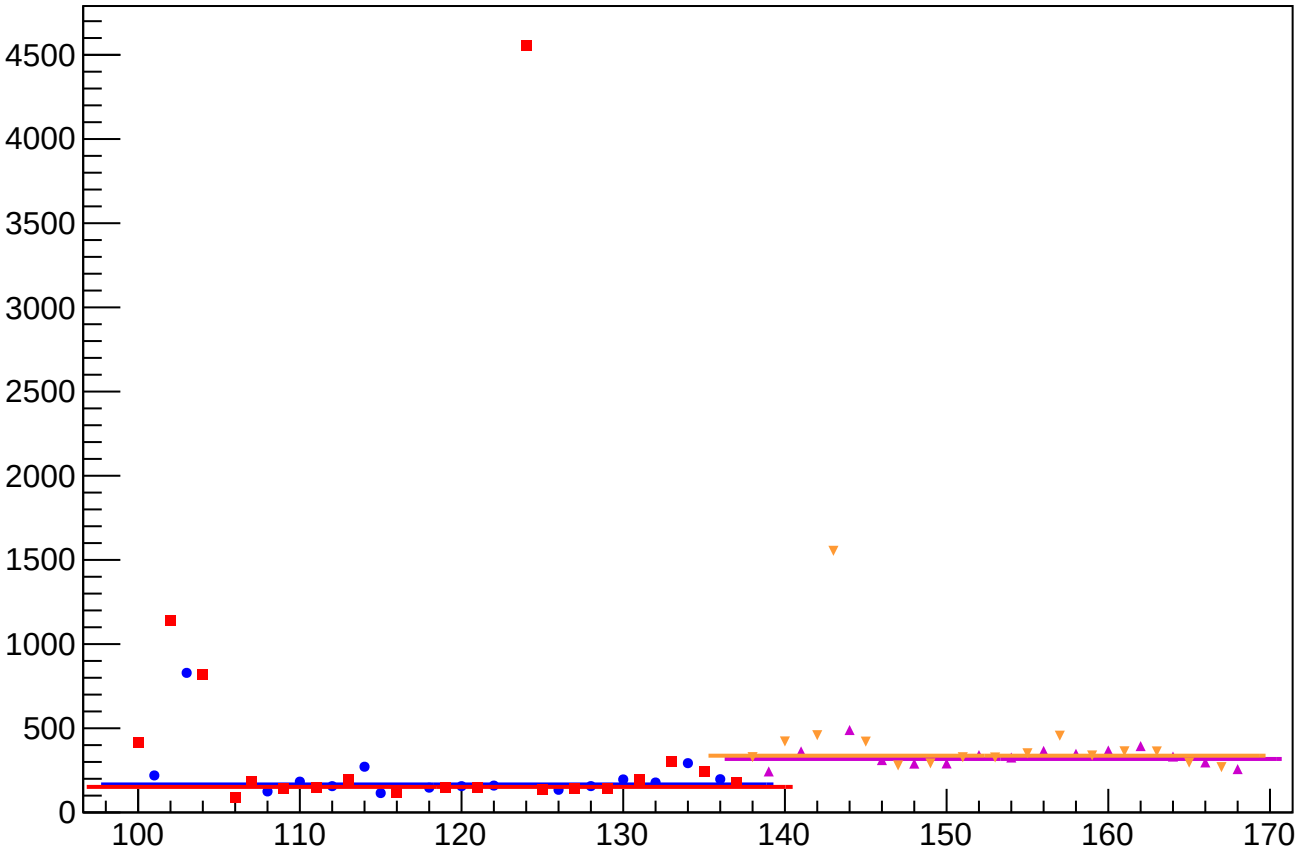
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.054+/-0.093 χ^2/NDF:23.9/14

+ sign -0.038+/-0.055 χ^2/NDF: 38.2/31

All: -0.019+/-0.038 χ^2/NDF: 90.5/65

- sign -0.002+/-0.053 χ^2/NDF: 52.0/33



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 337.155+/-0.070 χ^2/NDF:1549945.8/15

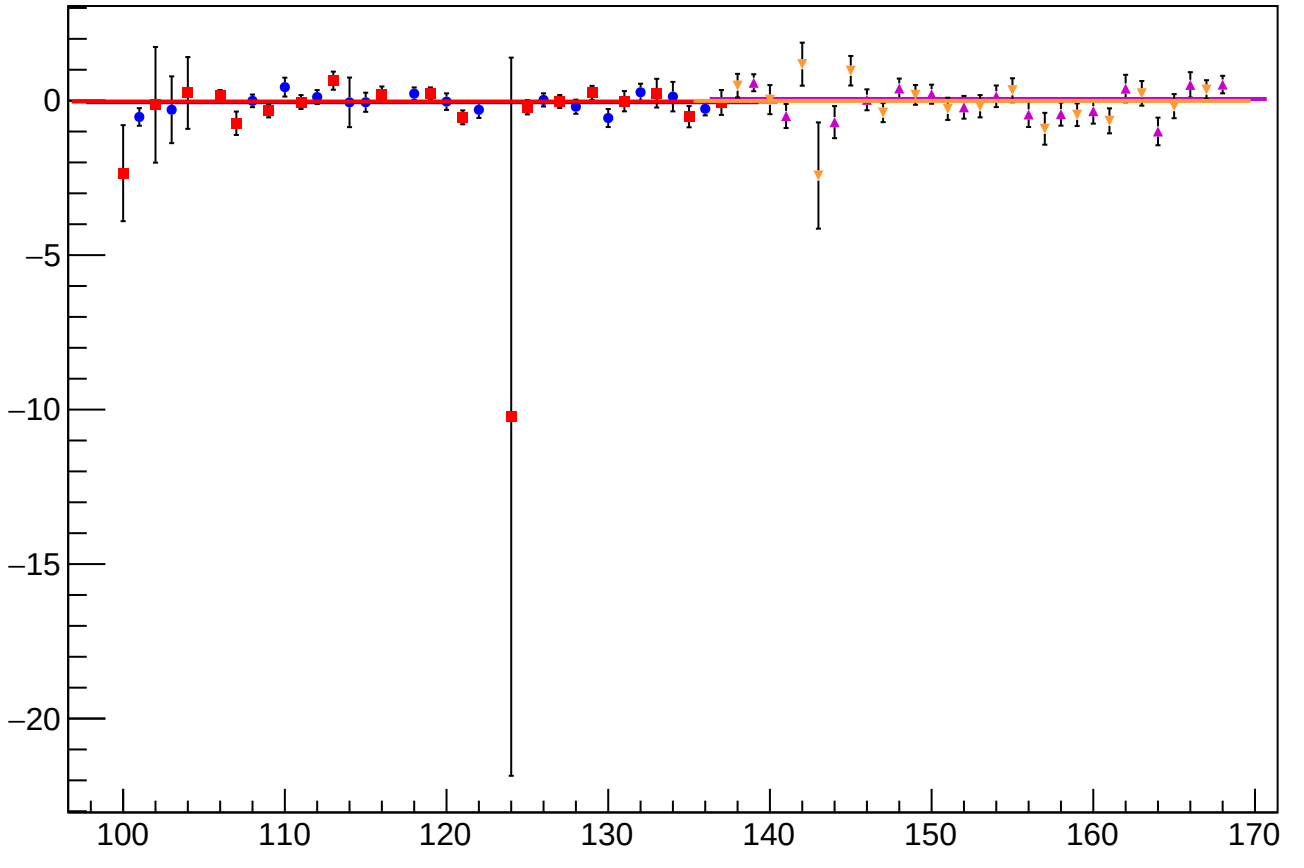
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 317.757+/-0.066 χ^2/NDF:658466.0/14

+ sign 219.512+/-0.039 χ^2/NDF: 6910306.2/31

All: 212.011+/-0.027 χ^2/NDF: 14280530.7/65

- sign 205.213+/-0.037 χ^2/NDF: 7300287.2/33



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.008+/-0.099 χ^2/NDF:23.2/15

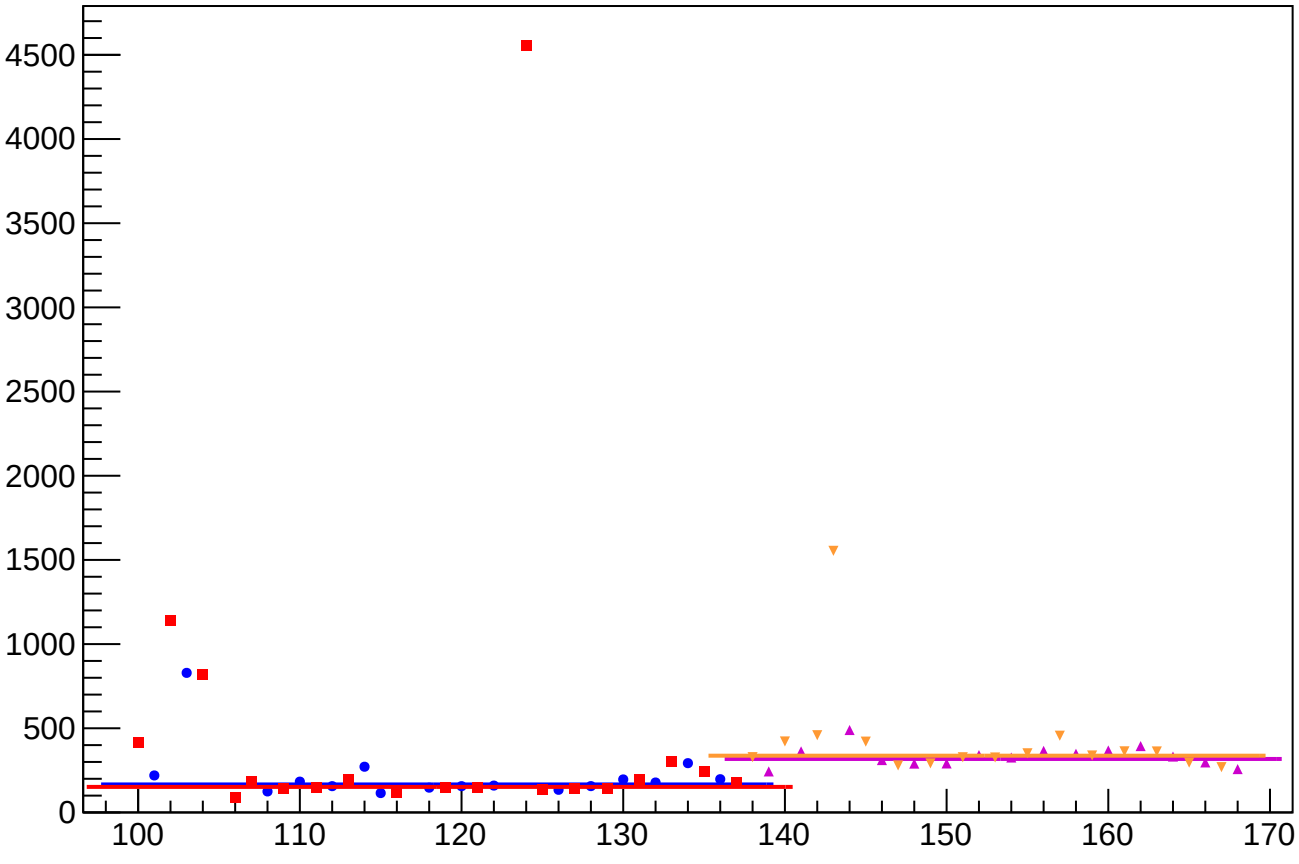
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.054+/-0.093 χ^2/NDF:23.9/14

+ sign -0.038+/-0.055 χ^2/NDF: 38.2/31

All: -0.019+/-0.038 χ^2/NDF: 90.5/65

- sign -0.002+/-0.053 χ^2/NDF: 52.0/33



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 337.155+/-0.070 χ^2/NDF:1549945.8/15

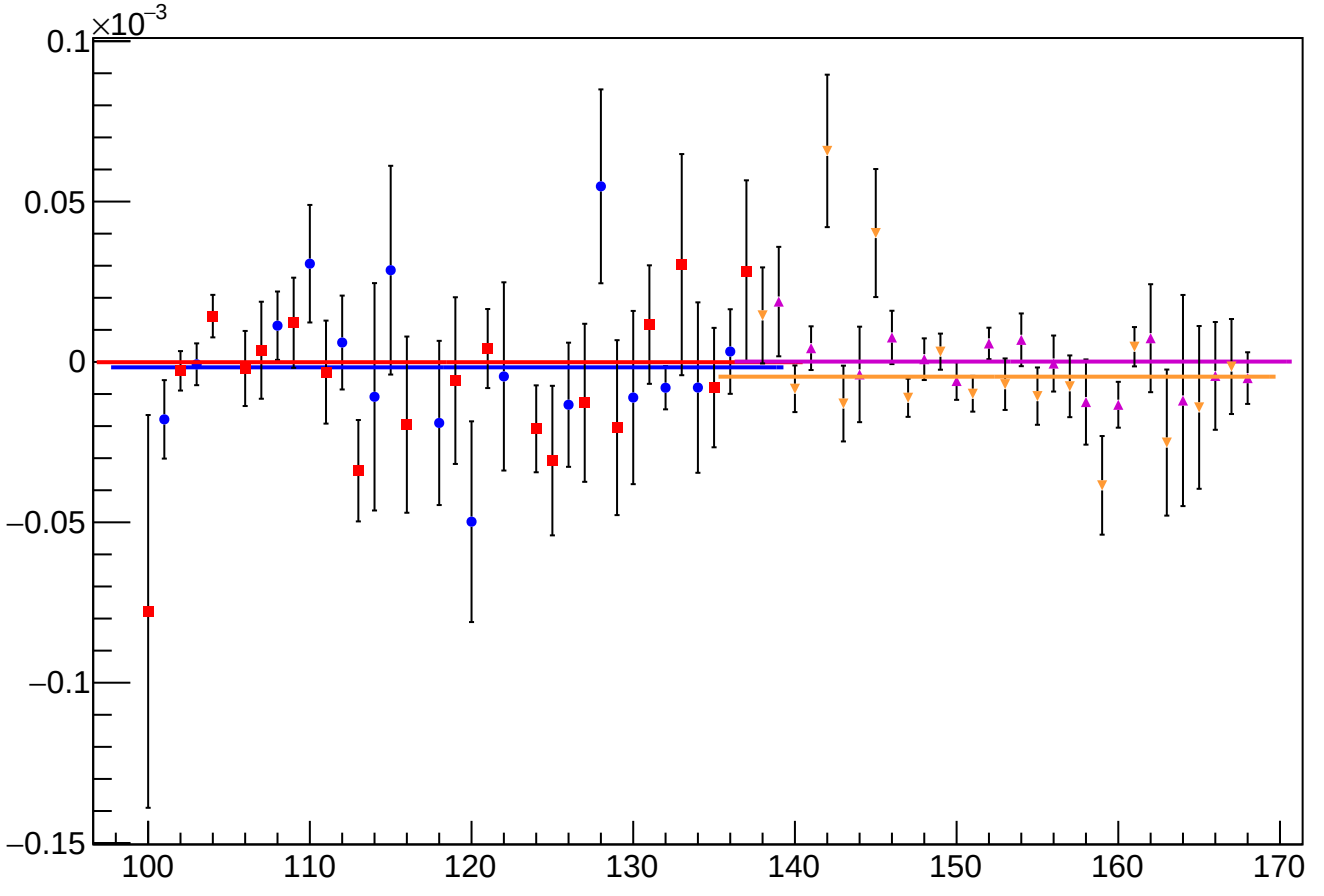
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 317.757+/-0.066 χ^2/NDF:658466.0/14

+ sign 219.512+/-0.039 χ^2/NDF: 6910306.2/31

All: 212.011+/-0.027 χ^2/NDF: 14280530.7/65

- sign 205.213+/-0.037 χ^2/NDF: 7300287.2/33



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/15

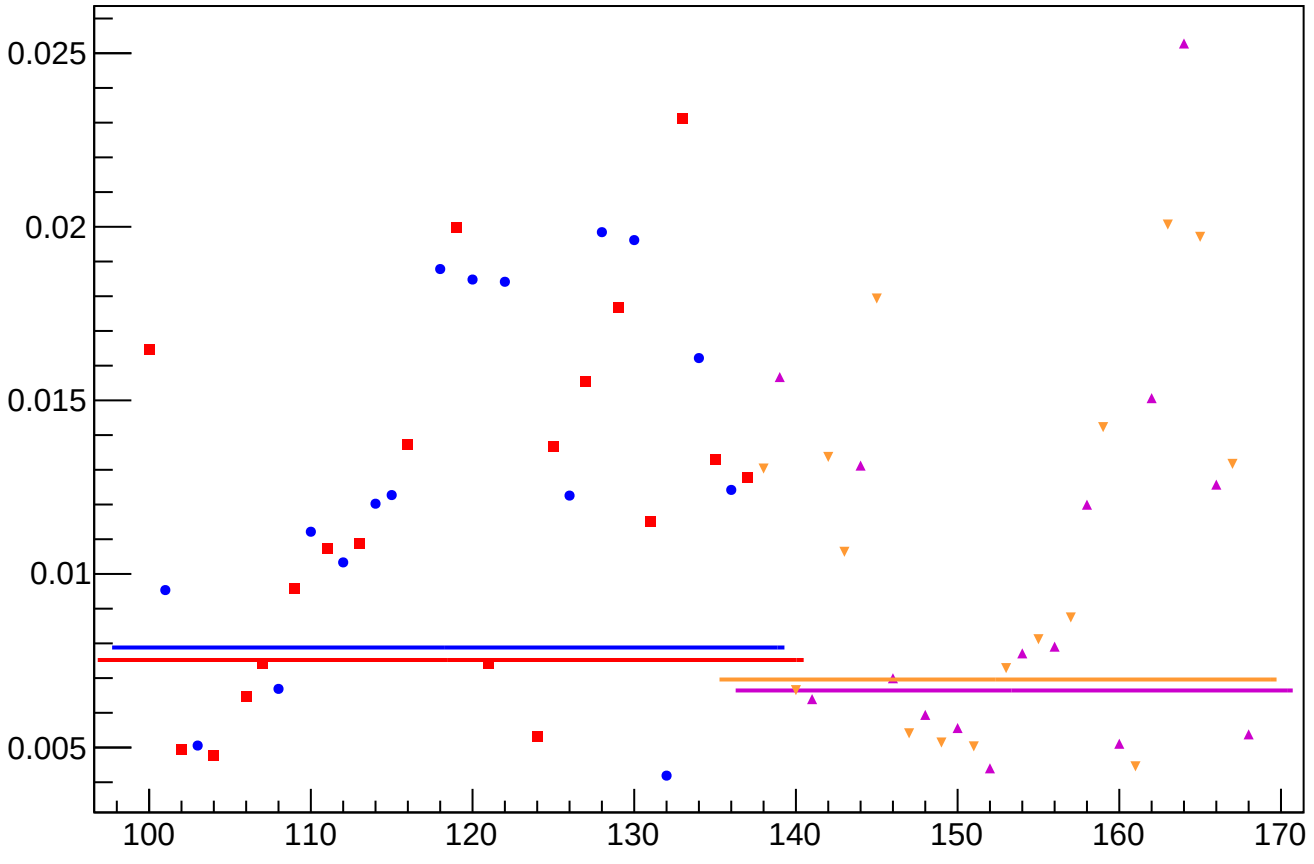
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/14

+ sign -0.000+/-0.000 χ^2/NDF: 45.1/31

All: -0.000+/-0.000 χ^2/NDF: 77.9/65

- sign 0.000+/-0.000 χ^2/NDF: 30.7/33



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:4265153.6/15

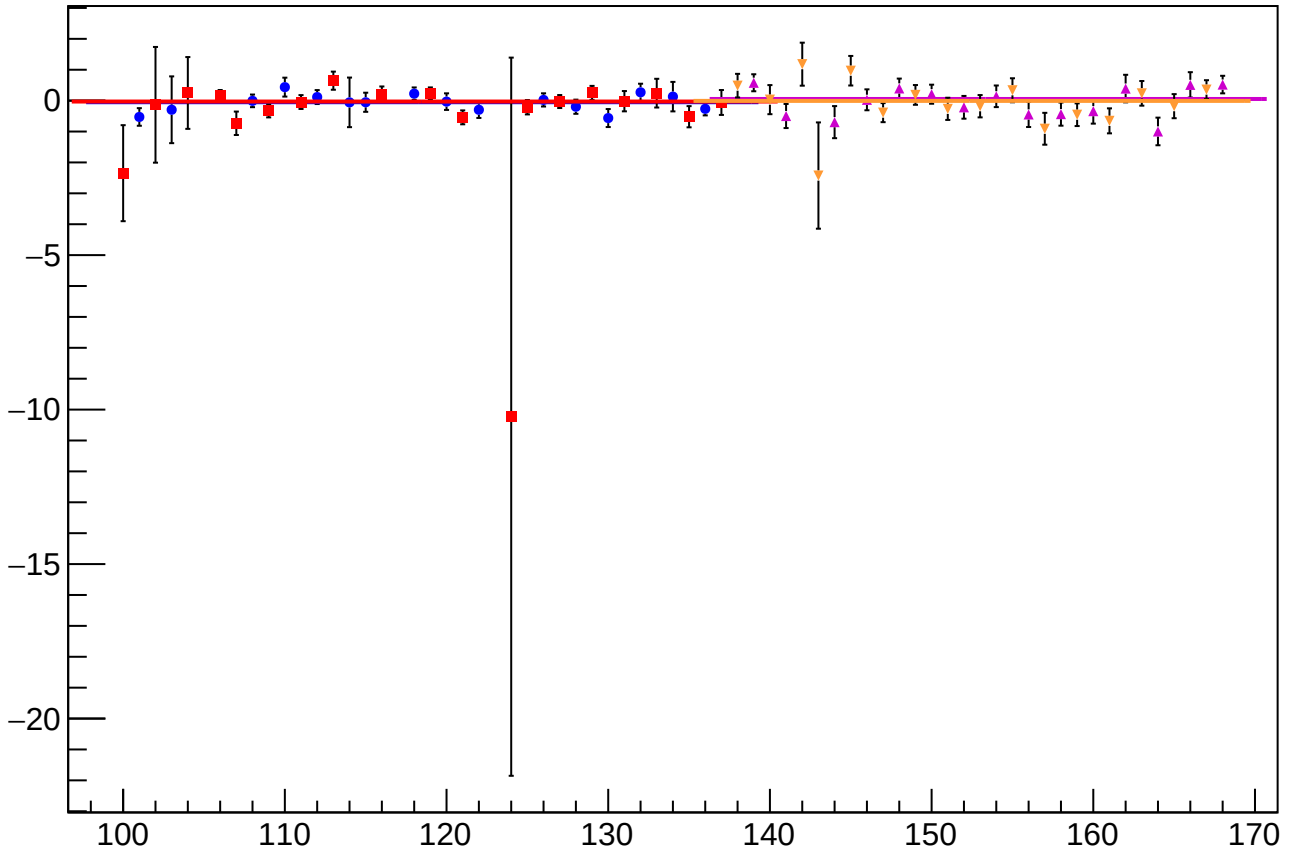
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:3386709.5/14

+ sign 0.007+/-0.000 χ^2/NDF: 7670219.8/31

All: 0.007+/-0.000 χ^2/NDF: 14167318.6/65

- sign 0.007+/-0.000 χ^2/NDF: 6468384.6/33



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.008+/-0.099 χ^2/NDF:23.2/15

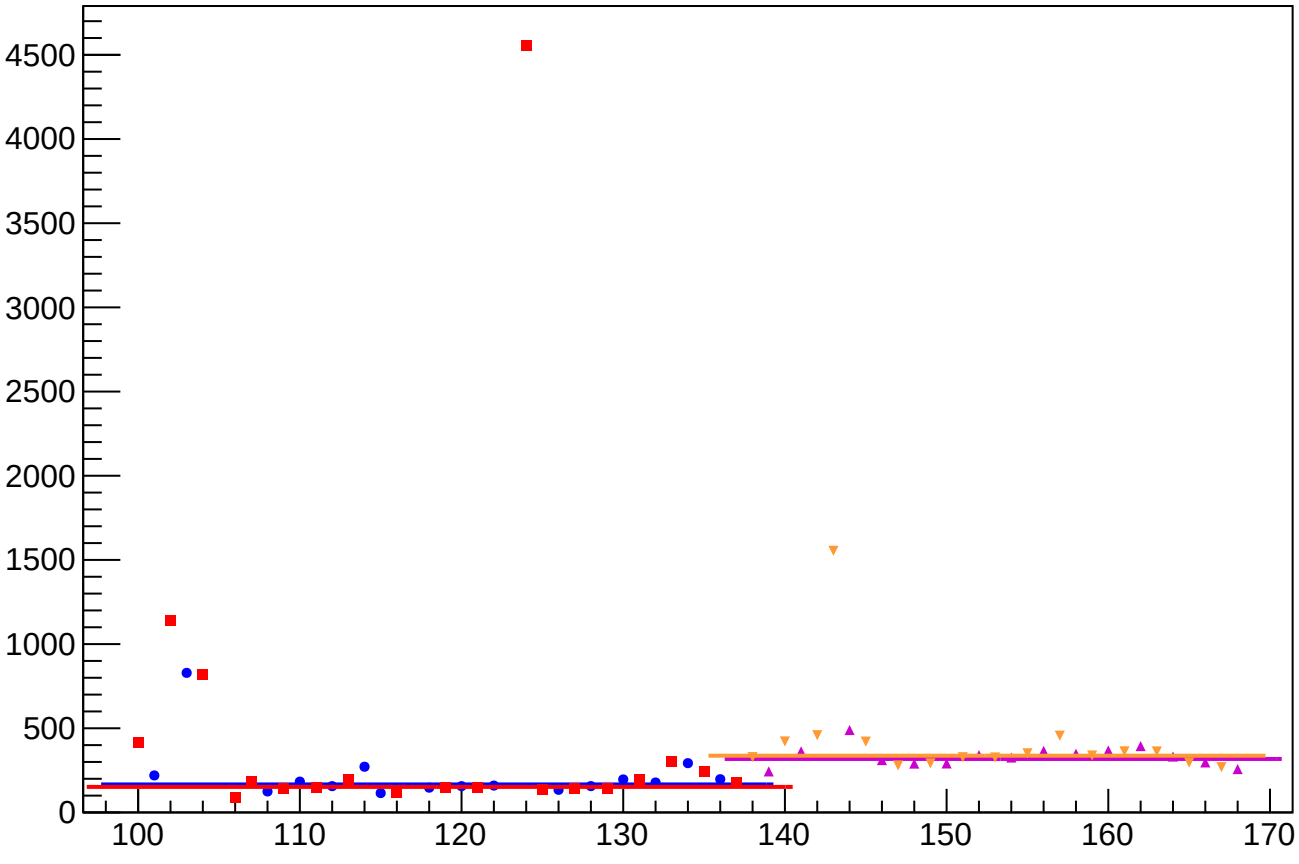
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.054+/-0.093 χ^2/NDF:23.9/14

+ sign -0.038+/-0.055 χ^2/NDF: 38.2/31

All: -0.019+/-0.038 χ^2/NDF: 90.5/65

- sign -0.002+/-0.053 χ^2/NDF: 52.0/33



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 337.160+/-0.070 χ^2/NDF:1549945.7/15

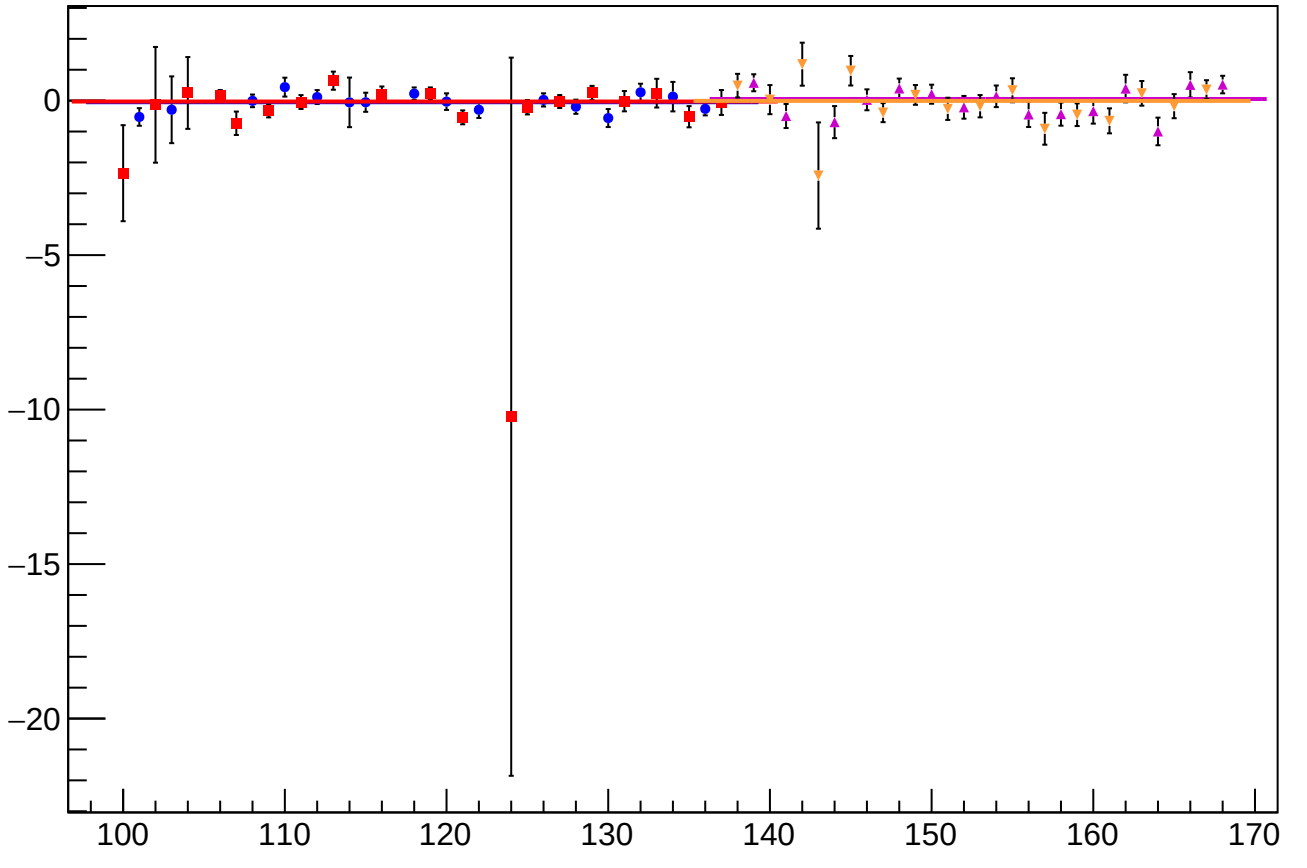
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 317.762+/-0.066 χ^2/NDF:658455.9/14

+ sign 219.511+/-0.039 χ^2/NDF: 6910506.9/31

All: 212.010+/-0.027 χ^2/NDF: 14280990.9/65

- sign 205.212+/-0.037 χ^2/NDF: 7300540.3/33



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.008+/-0.099 χ^2/NDF:23.2/15

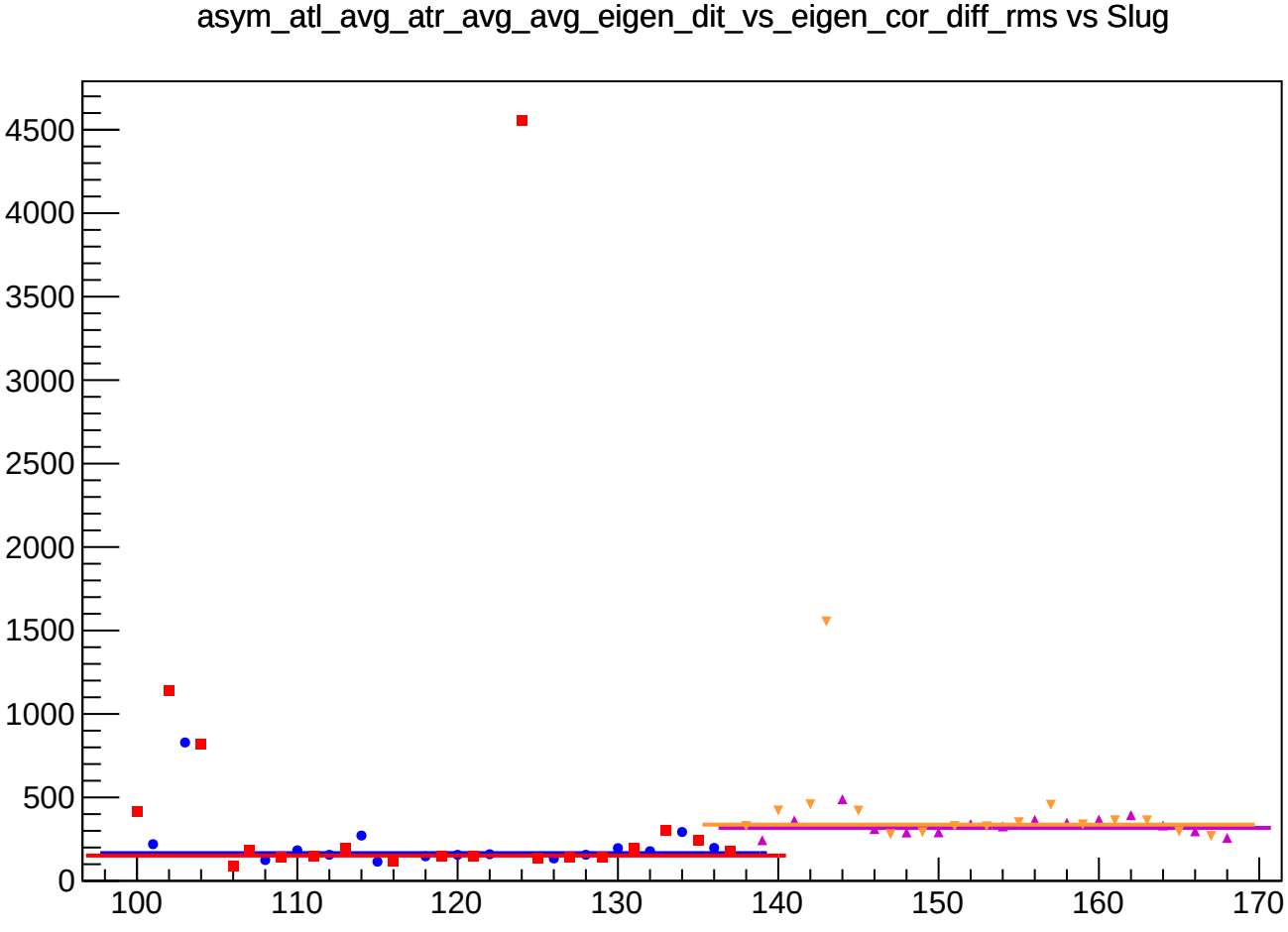
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.054+/-0.093 χ^2/NDF:23.9/14

+ sign -0.038+/-0.055 χ^2/NDF: 38.2/31

All: -0.019+/-0.038 χ^2/NDF: 90.5/65

- sign -0.002+/-0.053 χ^2/NDF: 52.0/33



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 337.160+/-0.070 χ^2/NDF:1549945.7/15

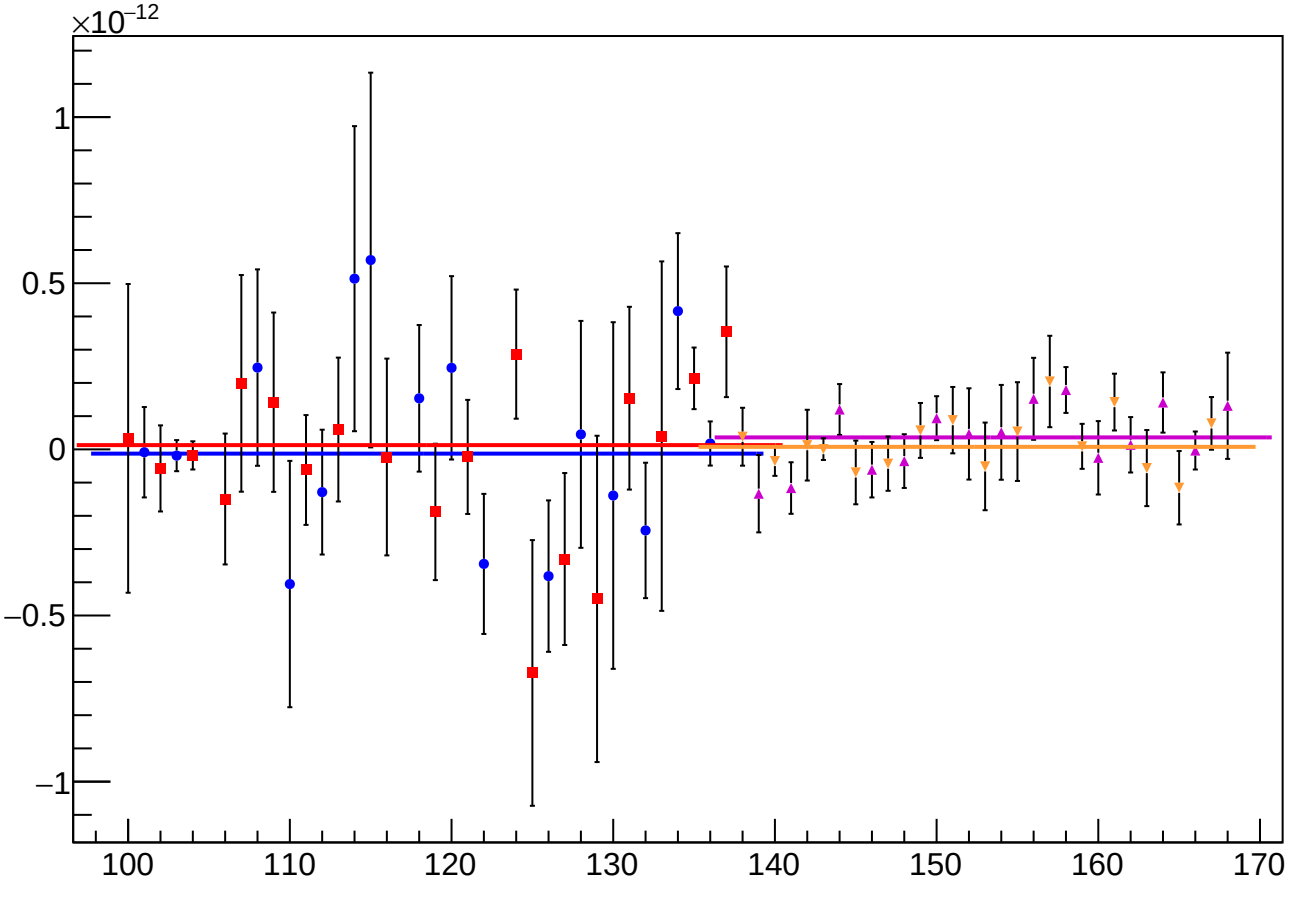
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 317.762+/-0.066 χ^2/NDF:658455.9/14

+ sign 219.511+/-0.039 χ^2/NDF: 6910506.9/31

All: 212.010+/-0.027 χ^2/NDF: 14280990.9/65

- sign 205.212+/-0.037 χ^2/NDF: 7300540.3/33



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/15

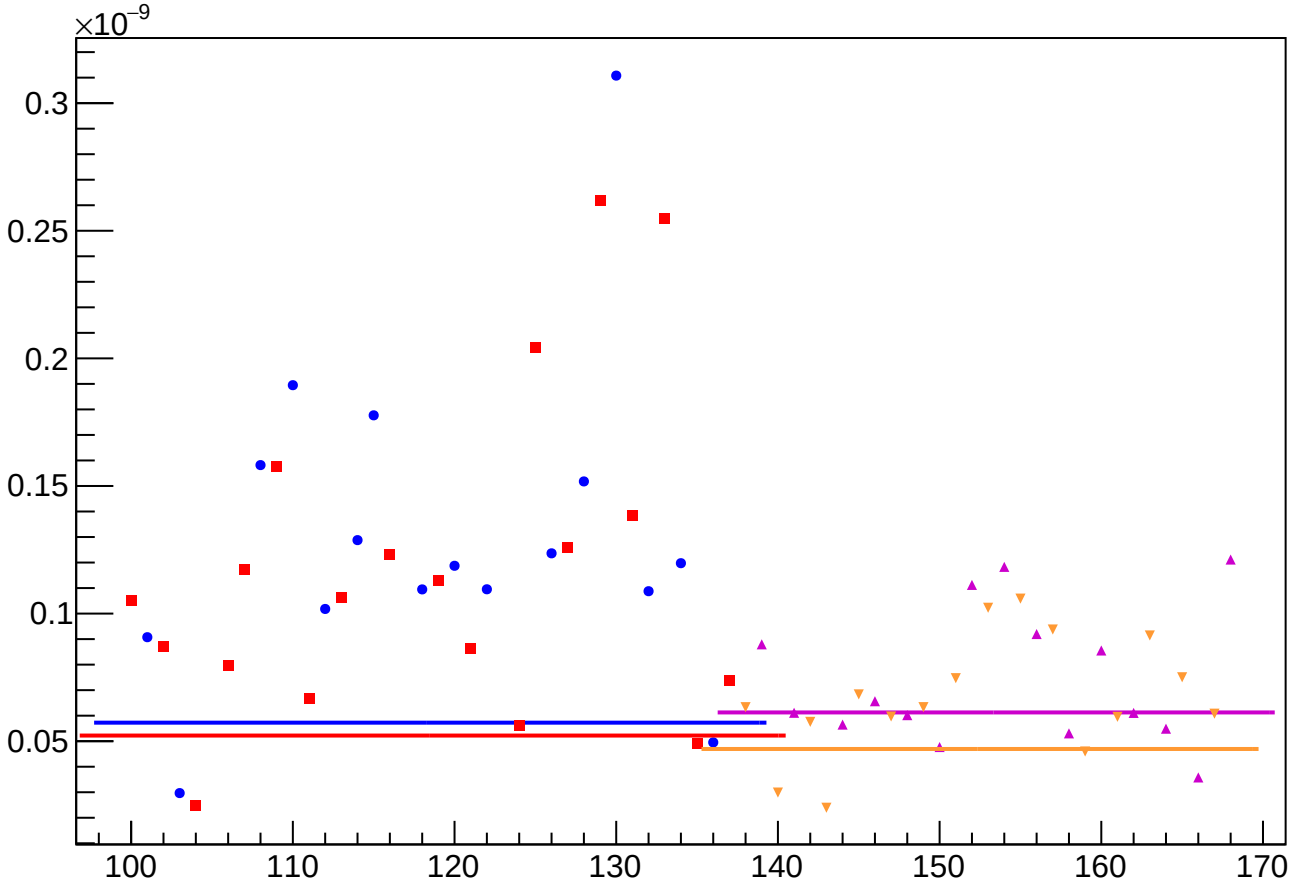
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 26.7/31

All: 0.000+/-0.000 χ^2/NDF: 64.9/65

- sign 0.000+/-0.000 χ^2/NDF: 37.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3195525.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

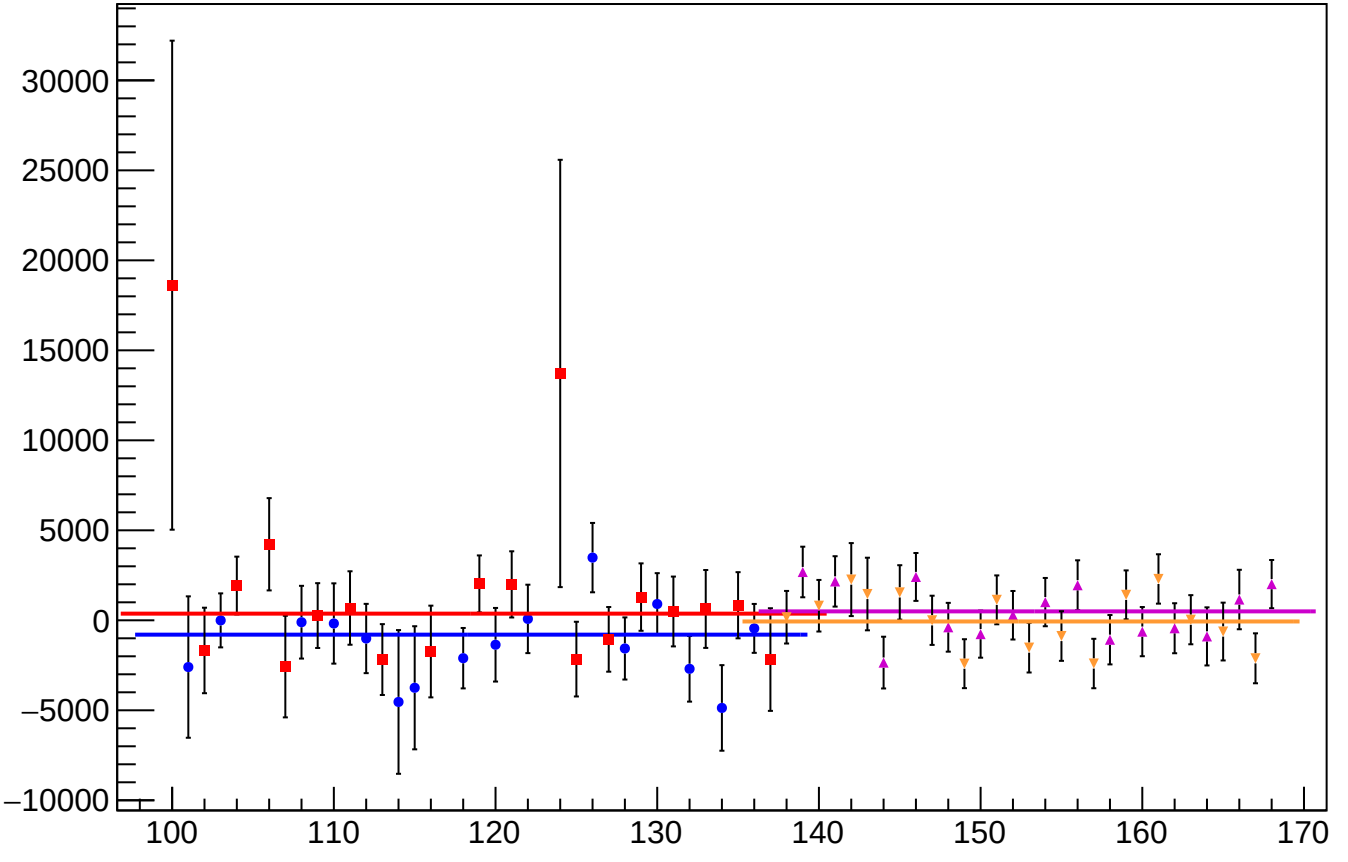
Left In: 0.000+/-0.000 χ^2/NDF:1723344.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 6328562.8/31

All: 0.000+/-0.000 χ^2/NDF: 11717320.5/65

- sign 0.000+/-0.000 χ^2/NDF: 5121214.5/33

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -64.536+/-362.785 χ^2/NDF:18.0/15

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

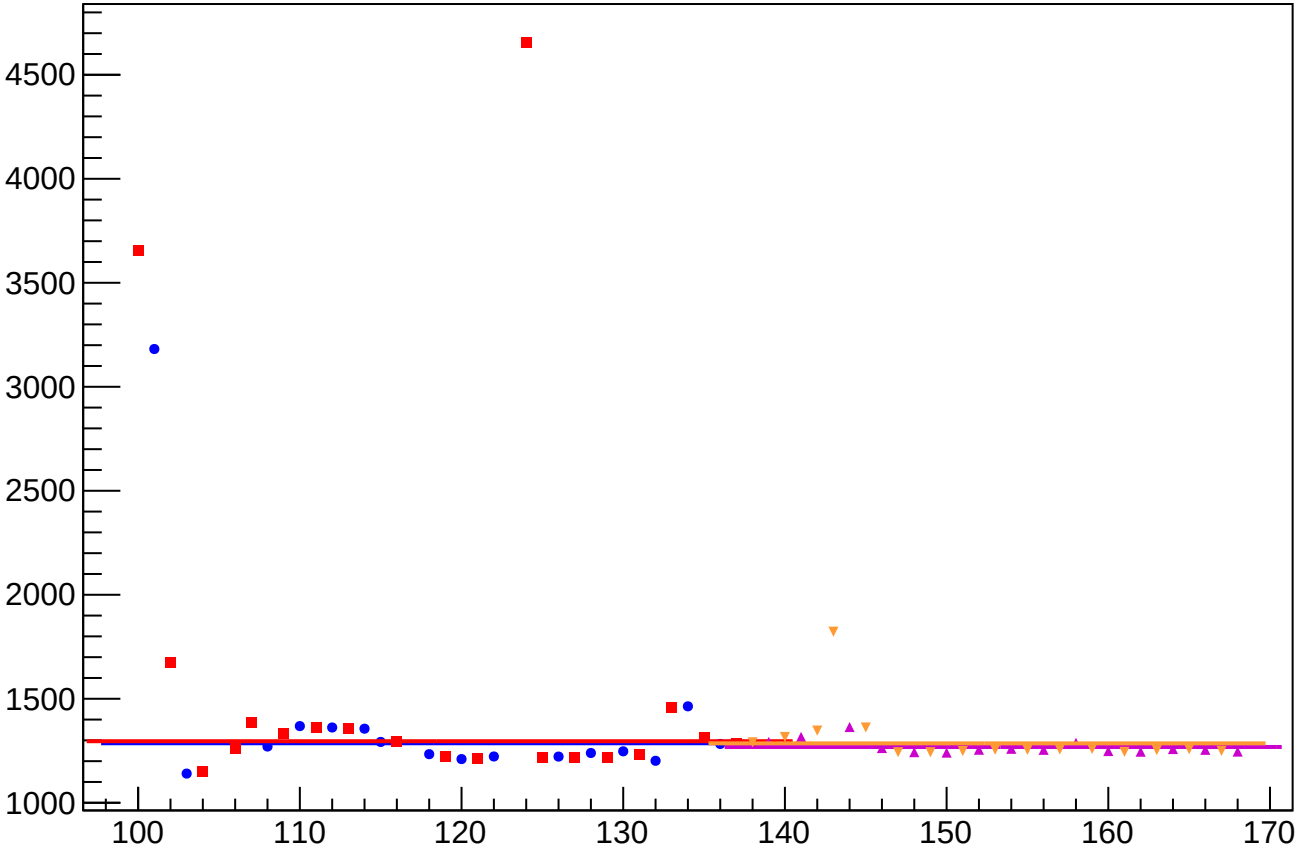
Left In: 495.809+/-360.086 χ^2/NDF:17.1/14

+ sign -325.731+/-291.030 χ^2/NDF: 32.9/31

All: 65.068+/-205.171 χ^2/NDF: 69.2/65

- sign 451.205+/-289.288 χ^2/NDF: 32.7/33

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1285.581+/-0.257 χ^2/NDF:163512.4/15

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

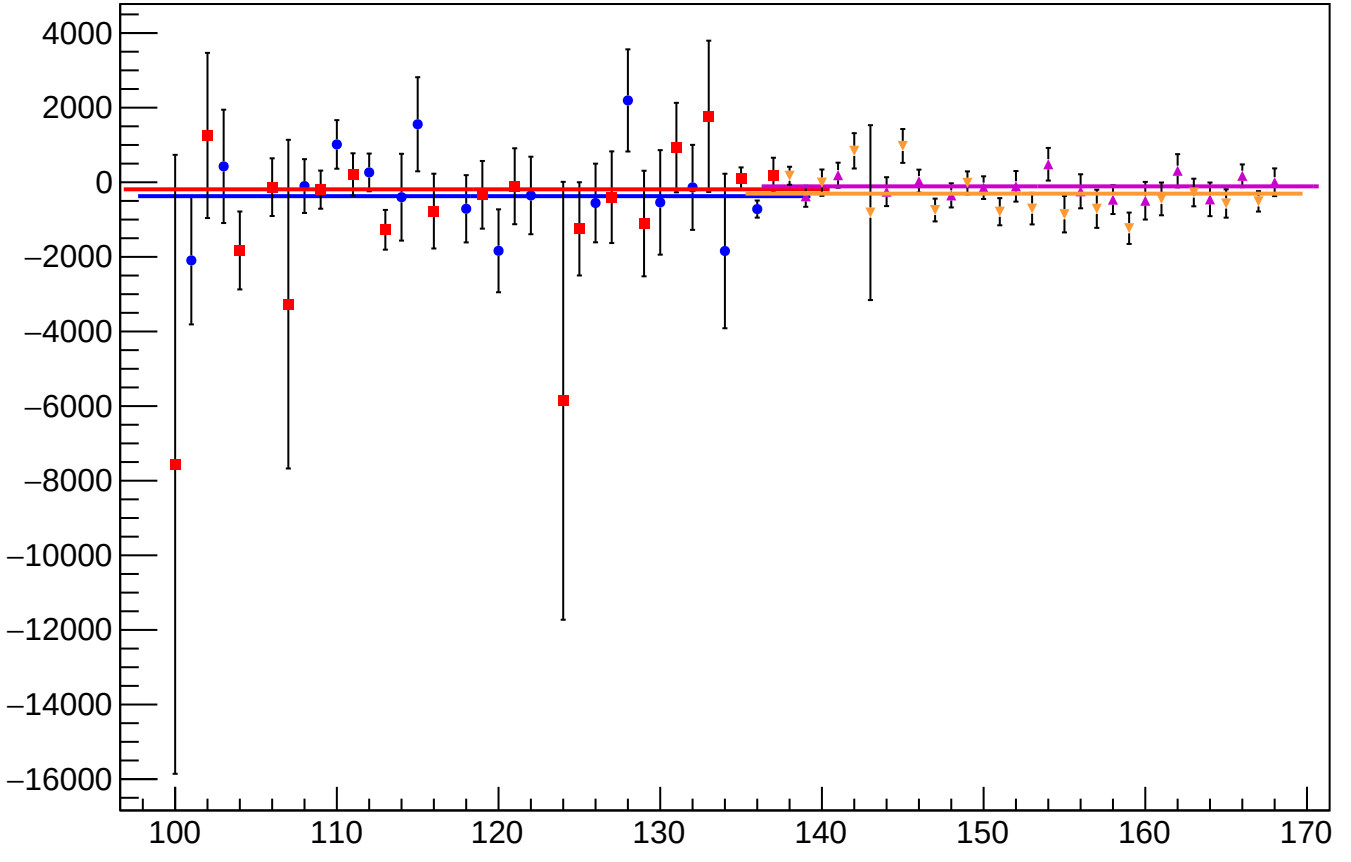
Left In: 1268.223+/-0.255 χ^2/NDF:16085.4/14

+ sign 1285.765+/-0.206 χ^2/NDF: 681640.7/31

All: 1281.885+/-0.145 χ^2/NDF: 1030705.4/65

- sign 1278.051+/-0.205 χ^2/NDF: 348357.9/33

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -304.623+/-93.025 χ^2/NDF:32.1/15

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

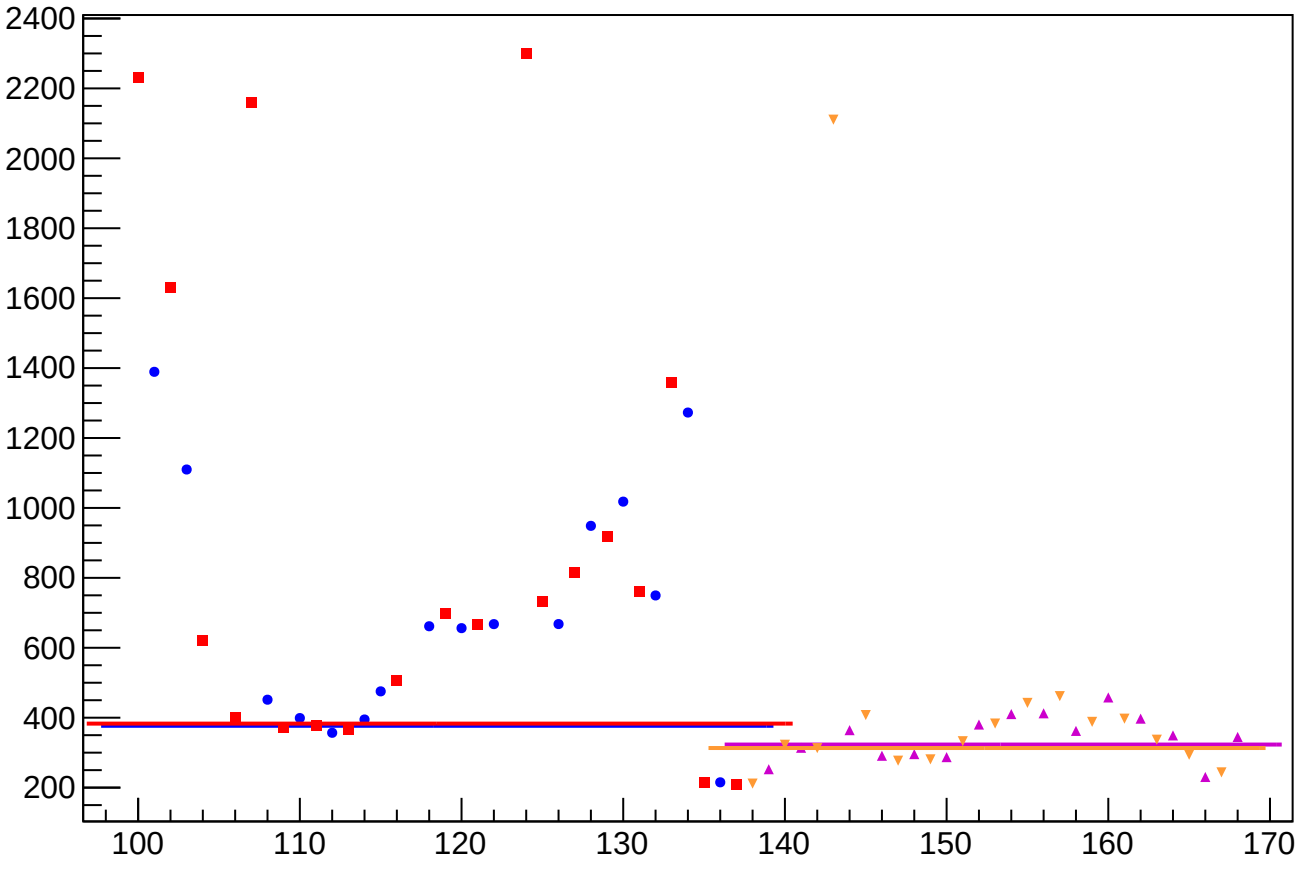
Left In: -109.664+/-93.791 χ^2/NDF:8.4/14

+ sign -320.480+/-81.405 χ^2/NDF: 50.4/31

All: -225.144+/-57.797 χ^2/NDF: 76.3/65

- sign -128.236+/-82.073 χ^2/NDF: 23.2/33

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: 313.264+/-0.066 χ^2/NDF:2317331.4/15

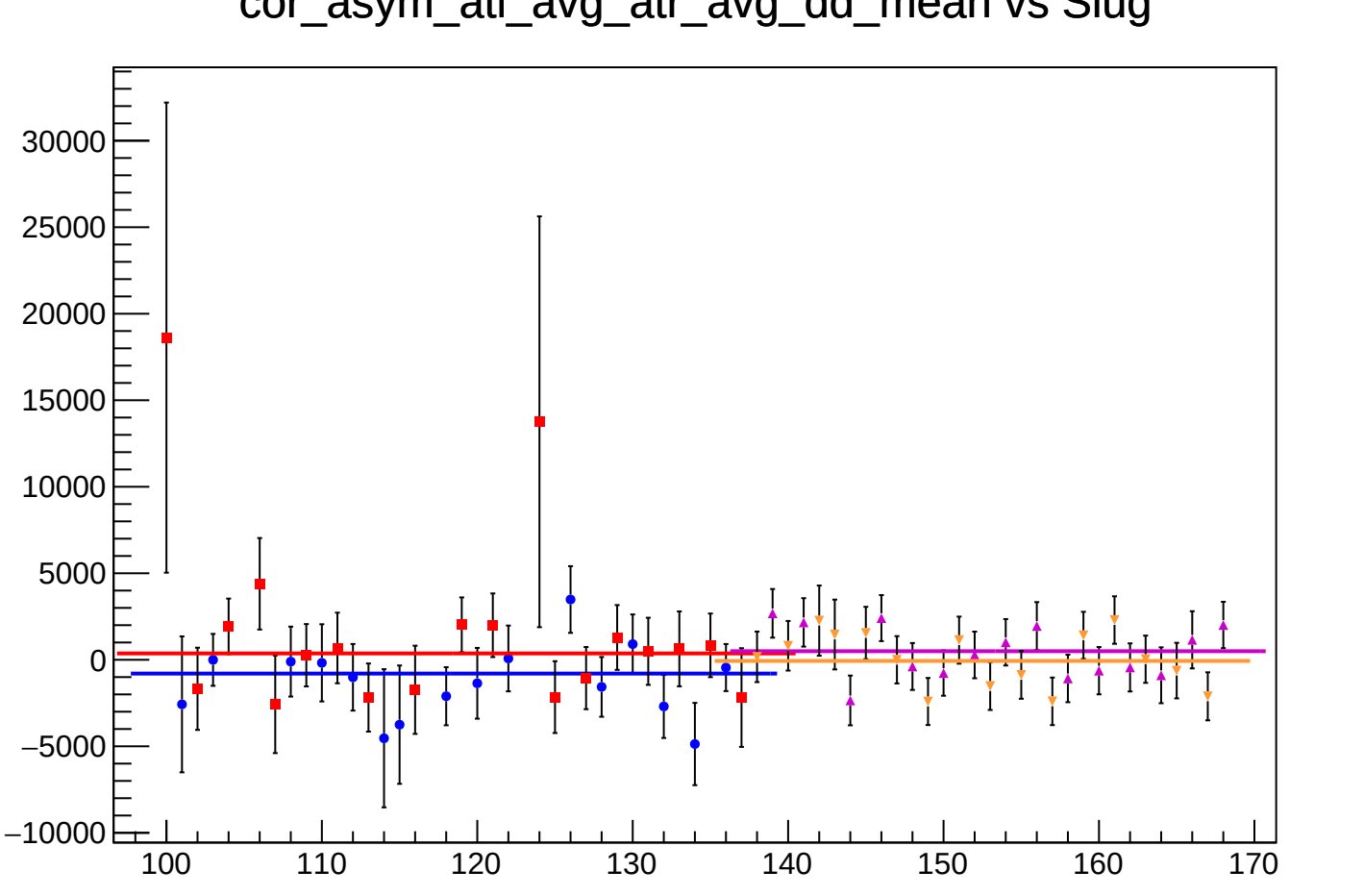
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 323.177+/-0.066 χ^2/NDF:825595.6/14

+ sign 328.167+/-0.058 χ^2/NDF: 6726687.8/31

All: 332.651+/-0.041 χ^2/NDF: 11809709.1/65

- sign 337.208+/-0.058 χ^2/NDF: 5070788.6/33



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -64.479+/-362.785 χ^2/NDF:18.0/15

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

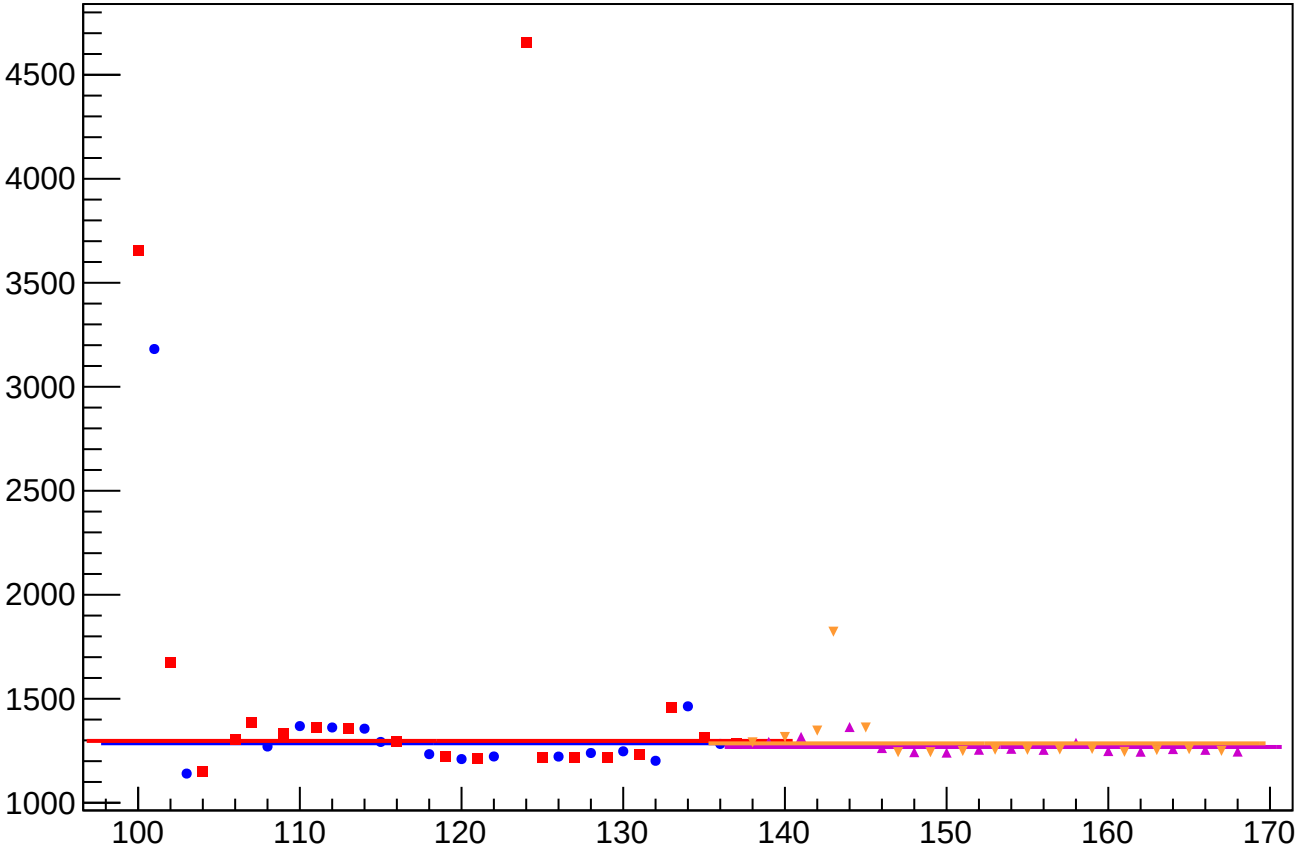
Left In: 495.775+/-360.086 χ^2/NDF:17.1/14

\+ sign -325.550+/-291.030 χ^2/NDF: 32.8/31

All: 64.579+/-205.210 χ^2/NDF: 69.2/65

\- sign 450.347+/-289.399 χ^2/NDF: 32.8/33

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1285.581+/-0.257 χ^2/NDF:163512.3/15

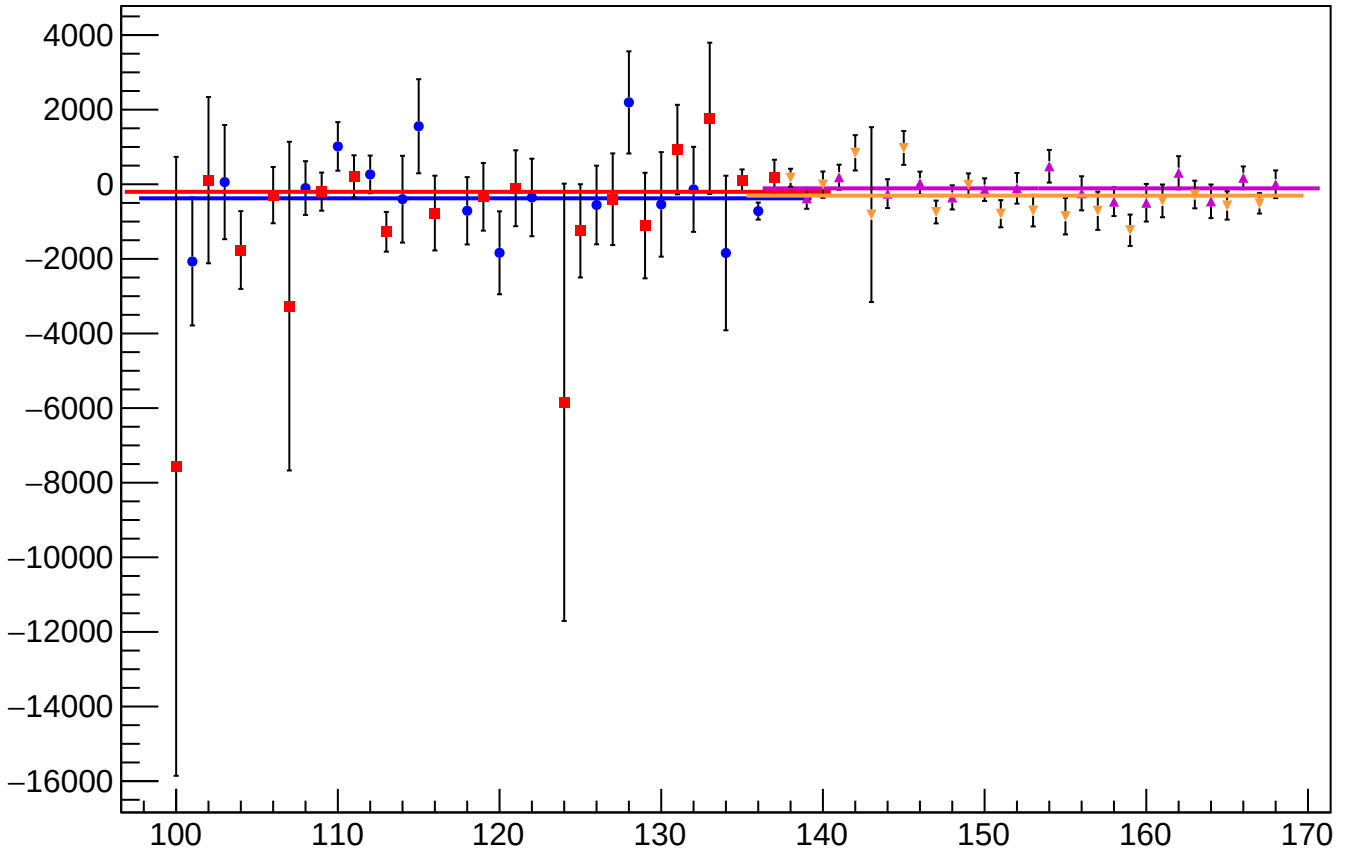
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1268.223+/-0.255 χ^2/NDF:16085.4/14

+ sign 1285.765+/-0.206 χ^2/NDF: 681642.2/31

All: 1282.138+/-0.145 χ^2/NDF: 1030734.7/65

- sign 1278.552+/-0.205 χ^2/NDF: 348474.7/33



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -304.631+/-93.028 χ^2/NDF:32.1/15

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

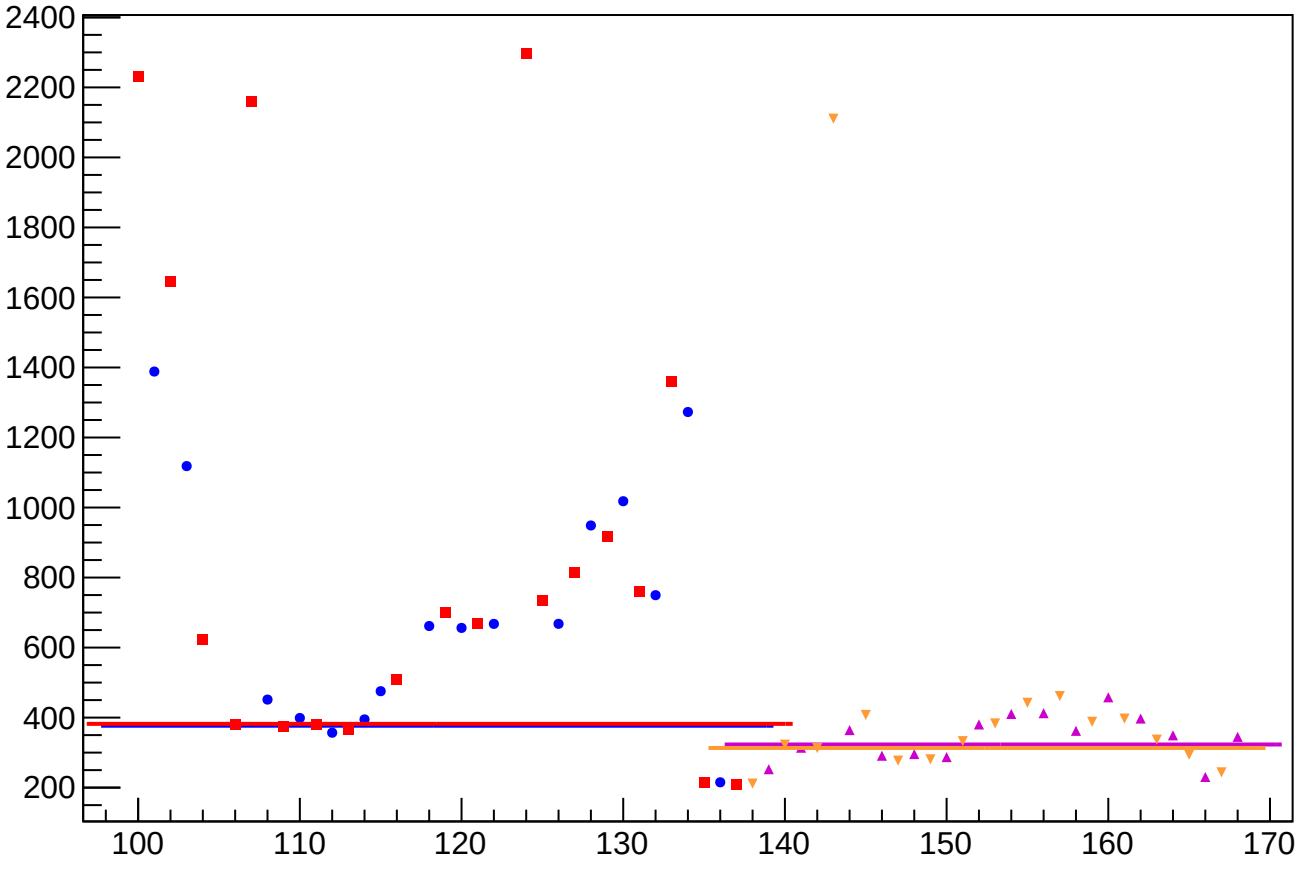
Left In: -109.672+/-93.791 χ^2/NDF:8.4/14

+ sign -321.526+/-81.409 χ^2/NDF: 50.1/31

All: -227.196+/-57.790 χ^2/NDF: 75.5/65

- sign -131.372+/-82.051 χ^2/NDF: 22.7/33

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: 313.272+/-0.066 χ^2/NDF:2317186.1/15

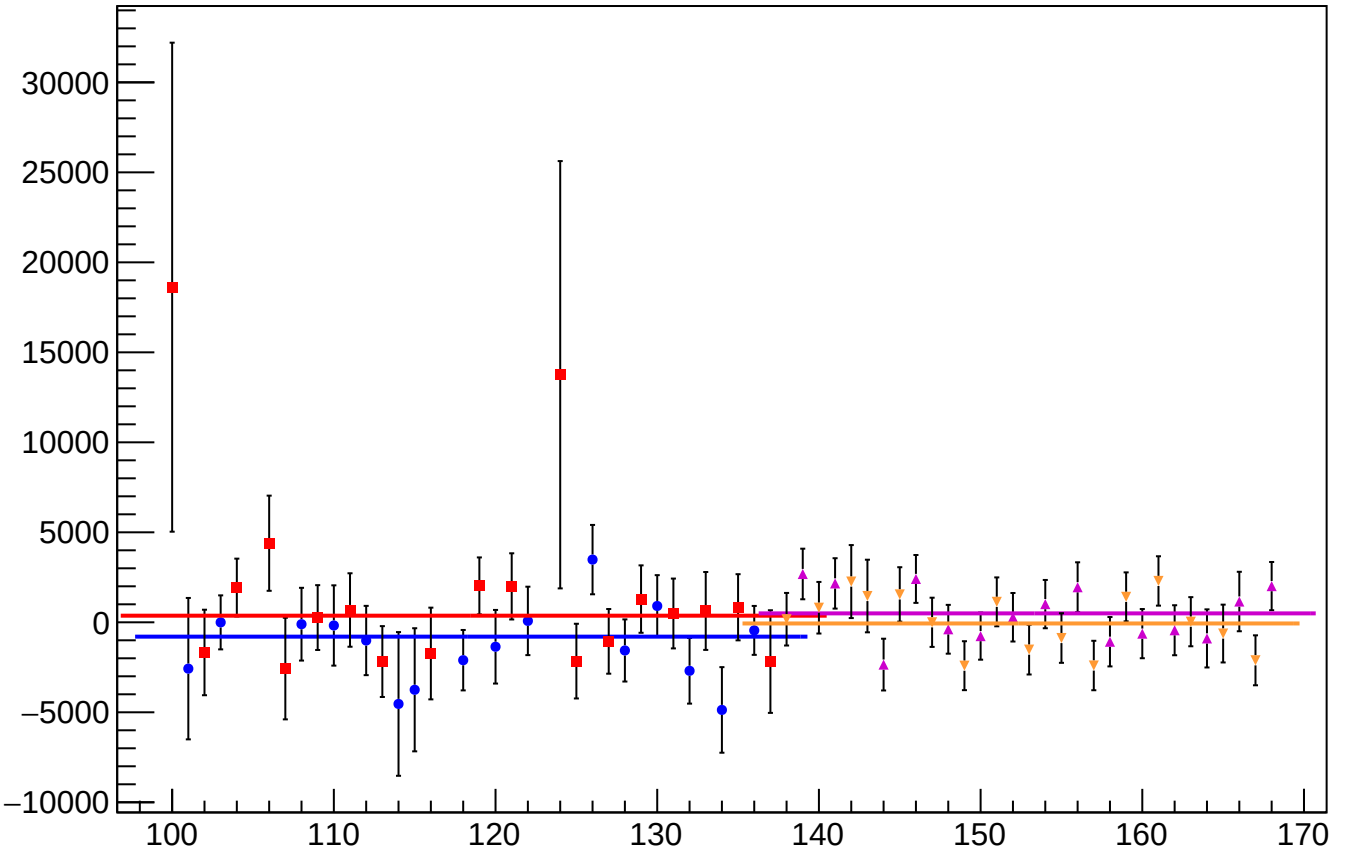
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 323.178+/-0.066 χ^2/NDF:825714.2/14

+ sign 328.170+/-0.058 χ^2/NDF: 6729517.4/31

All: 332.557+/-0.041 χ^2/NDF: 11812004.4/65

- sign 337.013+/-0.058 χ^2/NDF: 5070778.3/33



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -64.479+/-362.785 χ^2/NDF:18.0/15

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

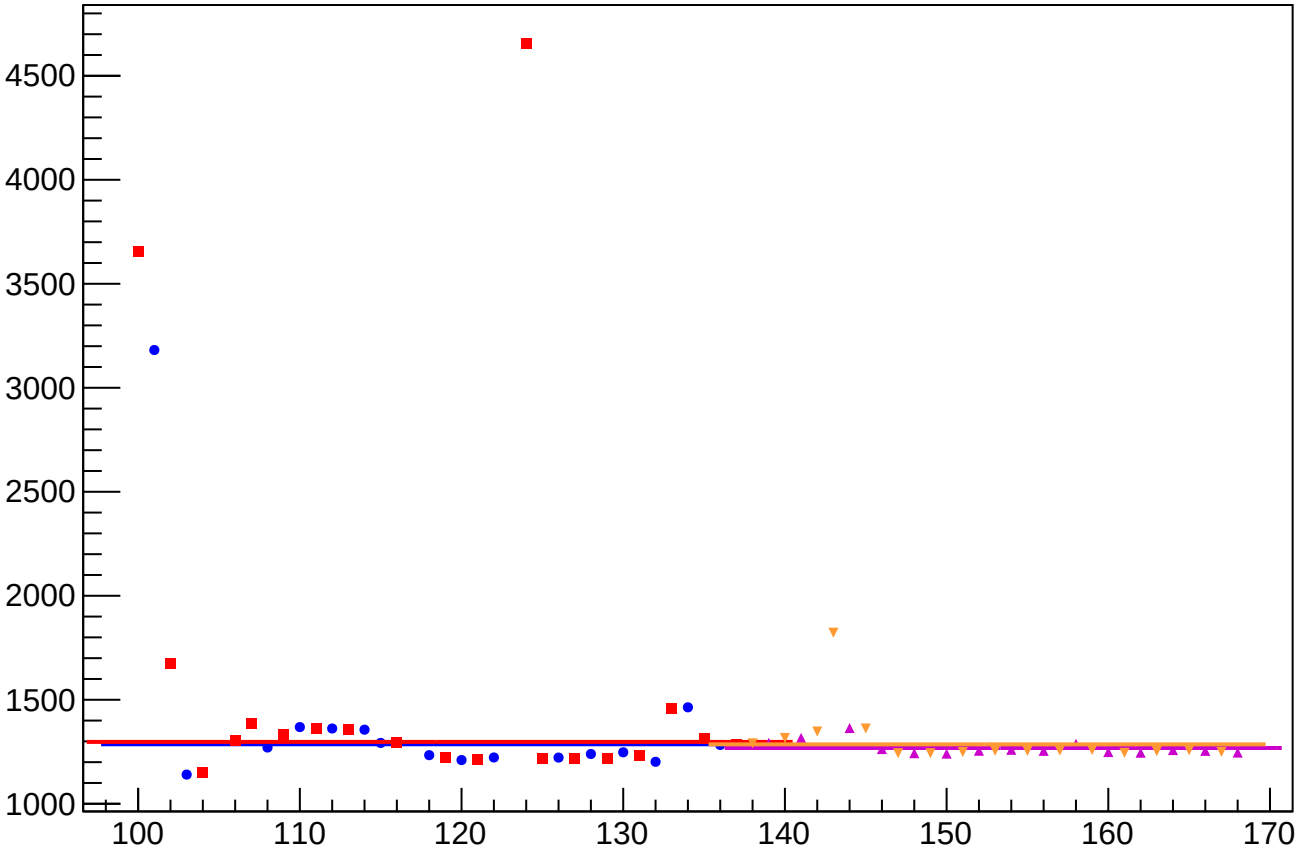
Left In: 495.775+/-360.086 χ^2/NDF:17.1/14

+ sign -325.550+/-291.030 χ^2/NDF: 32.8/31

All: 64.579+/-205.210 χ^2/NDF: 69.2/65

- sign 450.347+/-289.399 χ^2/NDF: 32.8/33

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: 1285.581+/-0.257 χ^2/NDF:163512.3/15

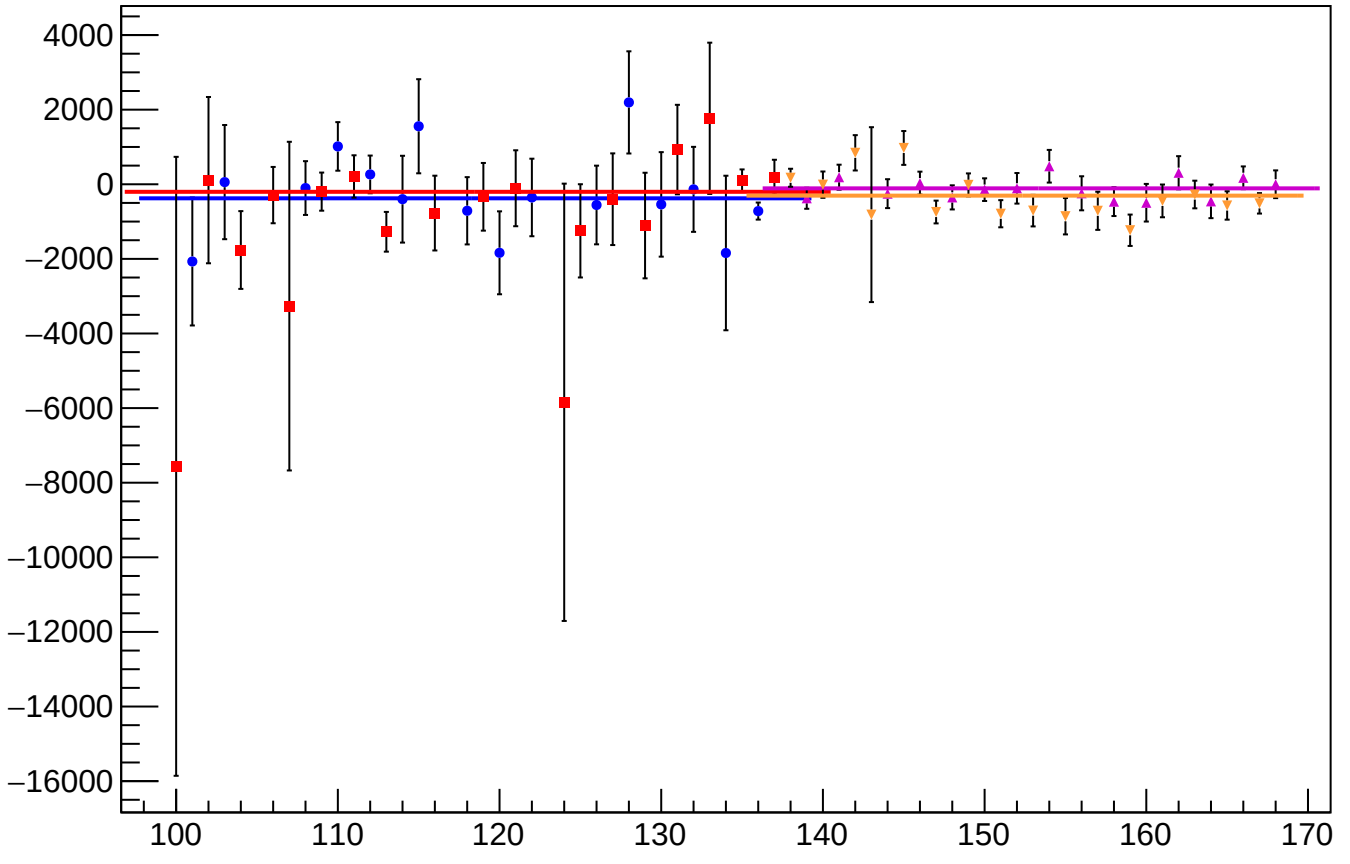
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1268.223+/-0.255 χ^2/NDF:16085.4/14

+ sign 1285.765+/-0.206 χ^2/NDF: 681642.2/31

All: 1282.138+/-0.145 χ^2/NDF: 1030734.7/65

- sign 1278.552+/-0.205 χ^2/NDF: 348474.7/33



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -304.631+/-93.028 χ^2/NDF:32.1/15

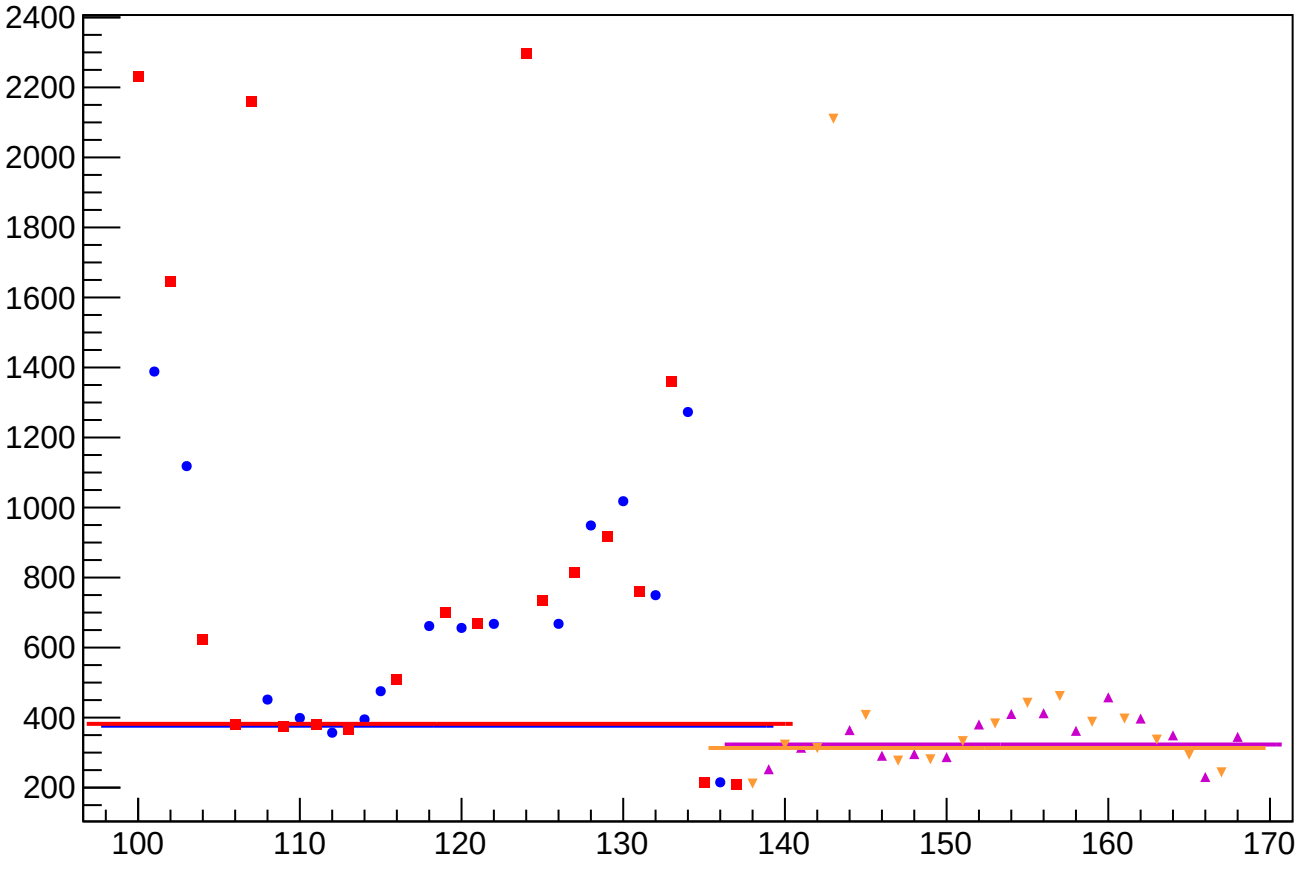
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -109.672+/-93.791 χ^2/NDF:8.4/14

+ sign -321.526+/-81.409 χ^2/NDF: 50.1/31

All: -227.196+/-57.790 χ^2/NDF: 75.5/65

- sign -131.372+/-82.051 χ^2/NDF: 22.7/33



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 313.272+/-0.066 χ^2/NDF:2317186.1/15

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

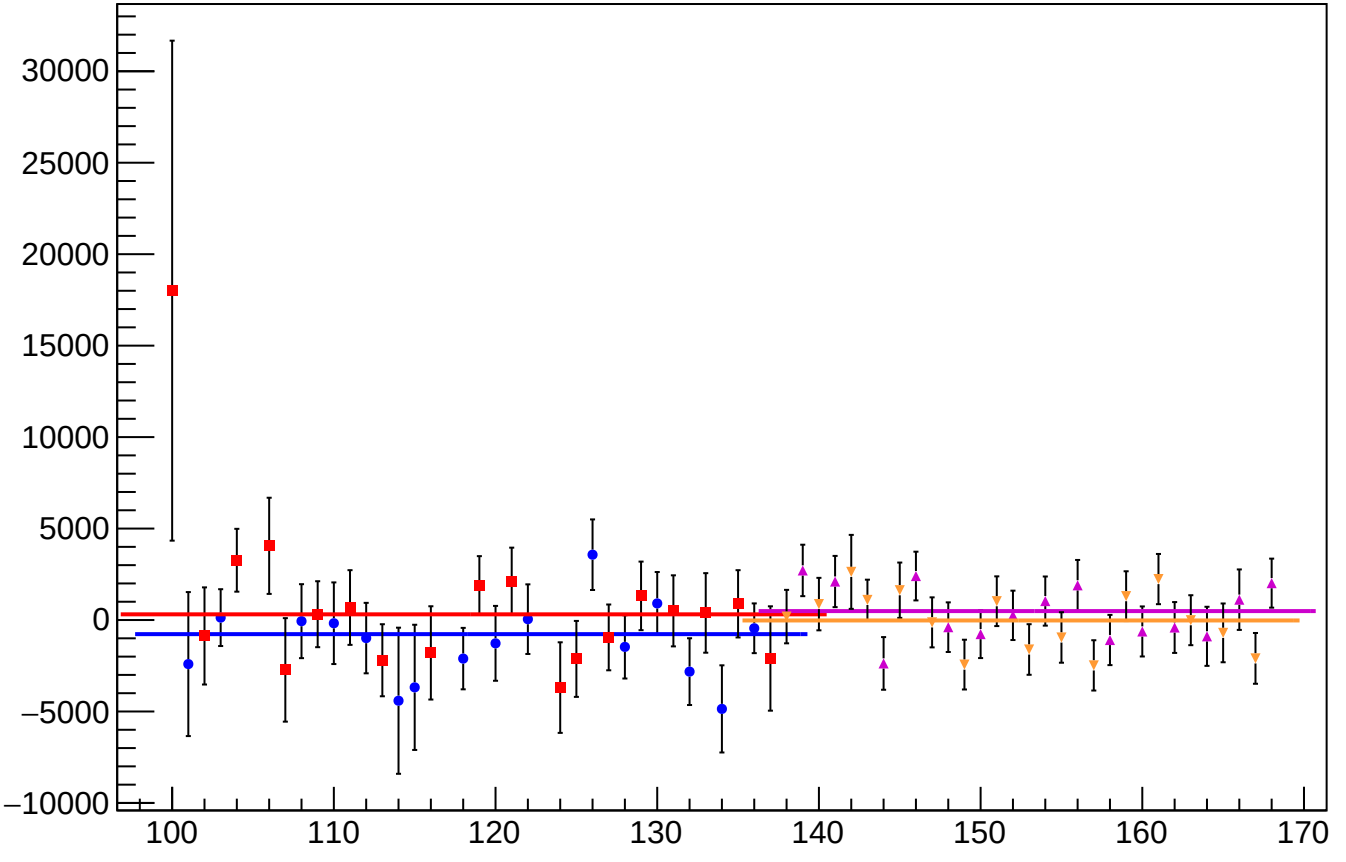
Left In: 323.178+/-0.066 χ^2/NDF:825714.2/14

+ sign 328.170+/-0.058 χ^2/NDF: 6729517.4/31

All: 332.557+/-0.041 χ^2/NDF: 11812004.4/65

- sign 337.013+/-0.058 χ^2/NDF: 5070778.3/33

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -23.503+/-350.082 χ^2/NDF:19.2/15

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

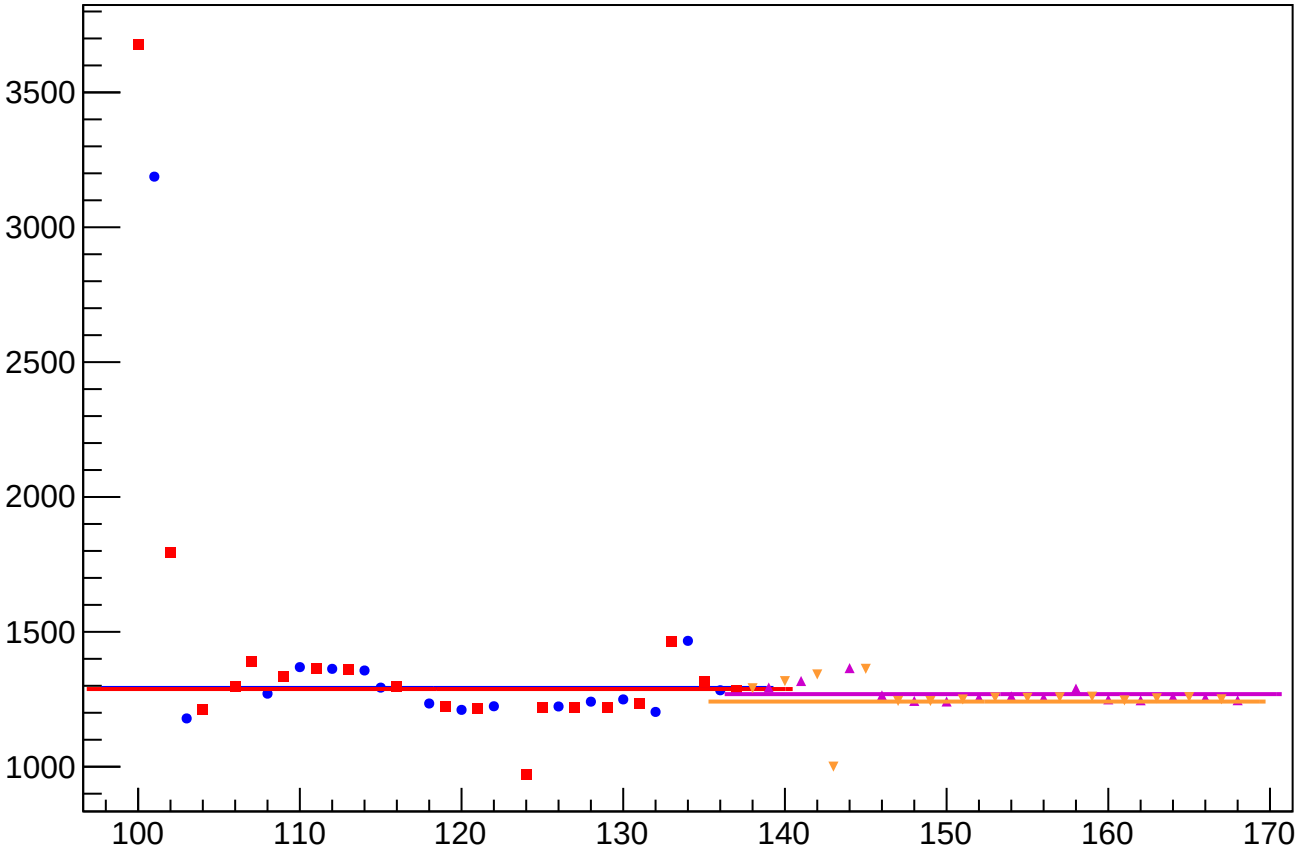
Left In: 488.459+/-360.350 χ^2/NDF:17.0/14

\+ sign -276.555+/-284.773 χ^2/NDF: 34.3/31

All: 69.406+/-202.756 χ^2/NDF: 72.3/65

\- sign 425.092+/-288.748 χ^2/NDF: 35.0/33

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1241.561+/-0.248 χ^2/NDF:122229.2/15

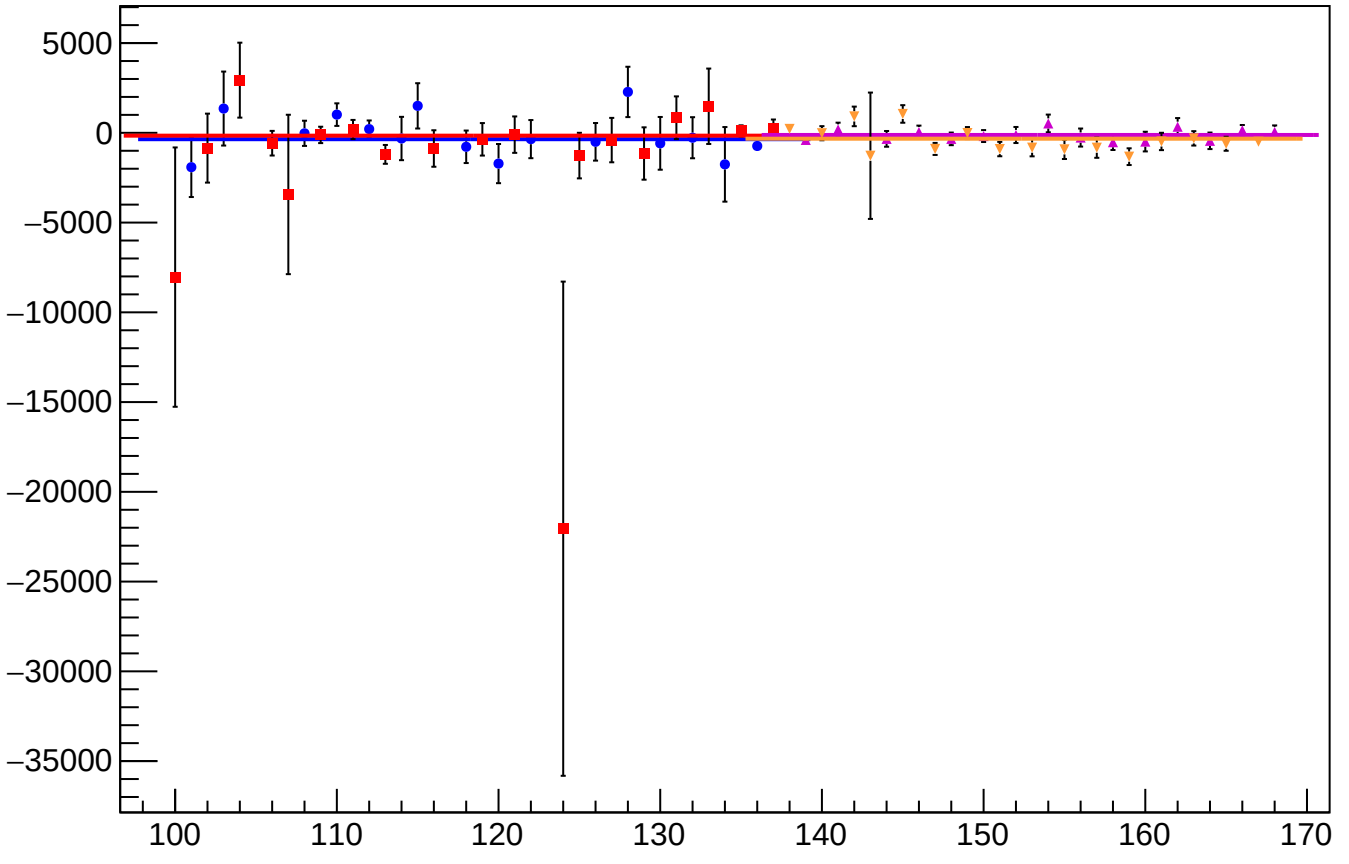
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1269.145+/-0.255 χ^2/NDF:16208.2/14

+ sign 1258.637+/-0.201 χ^2/NDF: 645702.1/31

All: 1267.144+/-0.143 χ^2/NDF: 876695.7/65

- sign 1275.889+/-0.204 χ^2/NDF: 227374.4/33



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -327.824+/-98.934 χ^2/NDF:33.4/15

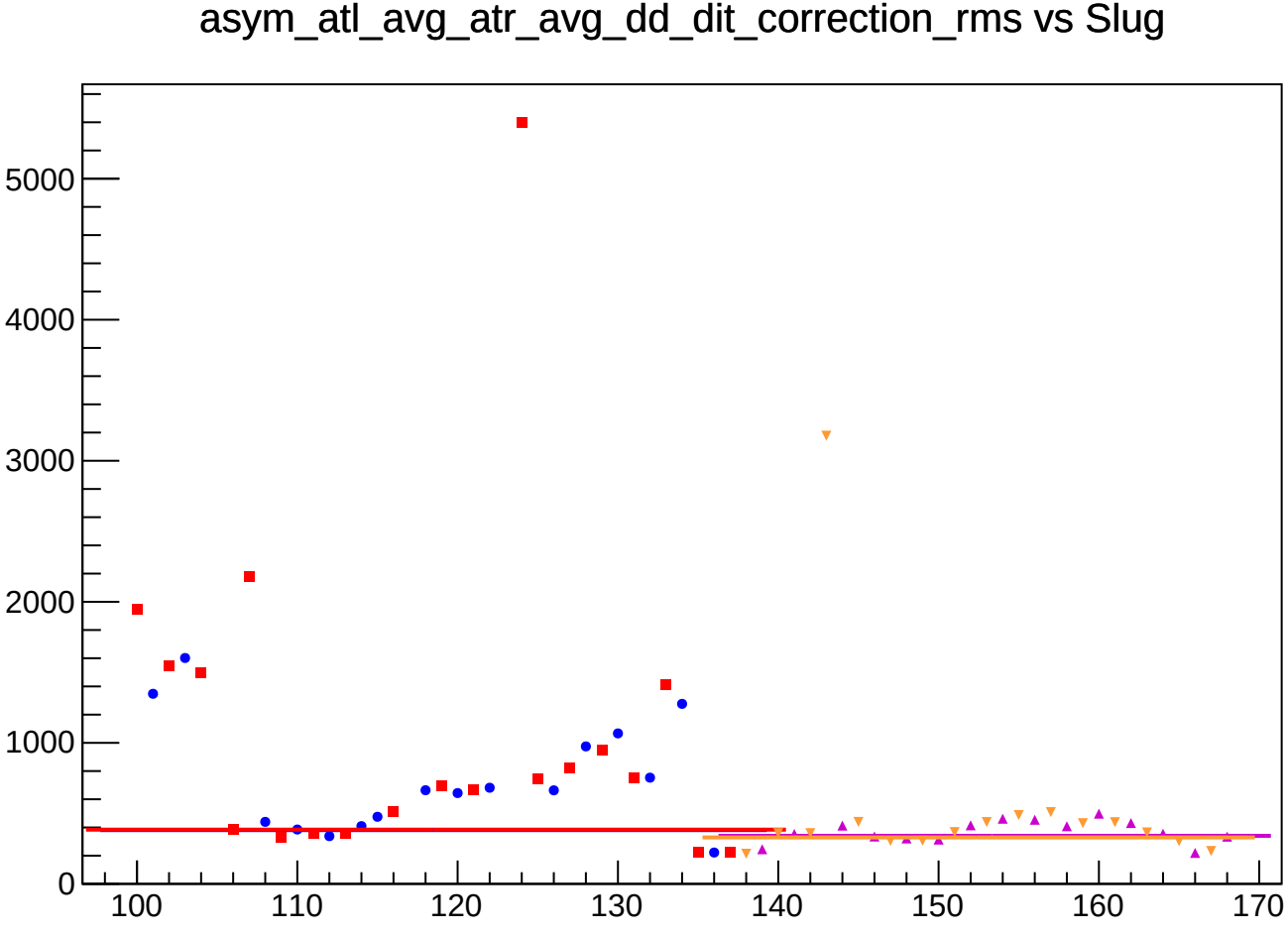
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -119.218+/-99.769 χ^2/NDF:8.1/14

+ sign -334.759+/-85.504 χ^2/NDF: 51.8/31

All: -232.558+/-60.636 χ^2/NDF: 78.7/65

- sign -129.163+/-86.002 χ^2/NDF: 23.9/33



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 329.360+/-0.070 χ^2/NDF:2886622.7/15

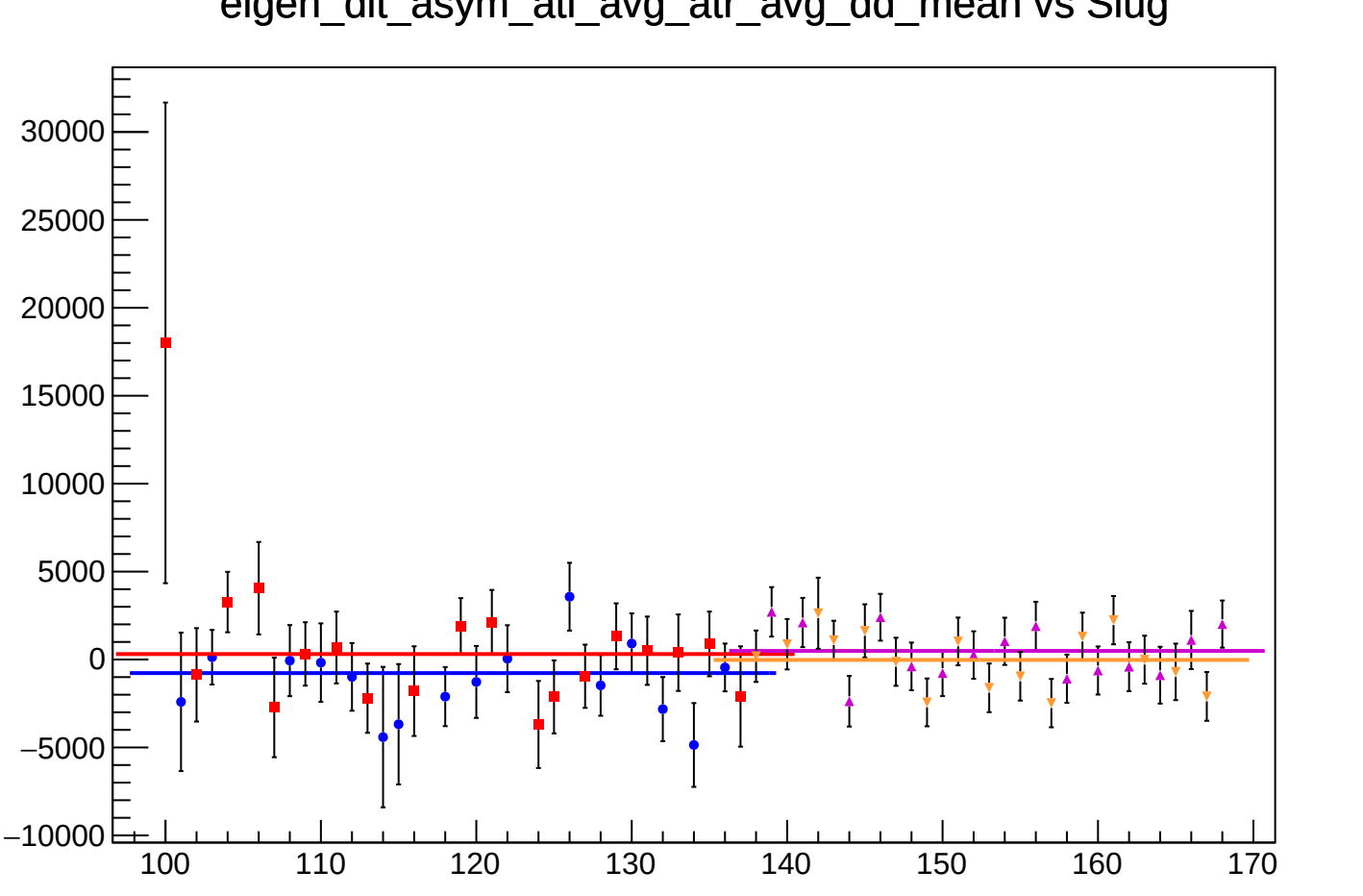
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 340.894+/-0.071 χ^2/NDF:1222240.6/14

+ sign 342.516+/-0.060 χ^2/NDF: 7344309.0/31

All: 347.299+/-0.043 χ^2/NDF: 13238190.9/65

- sign 352.137+/-0.061 χ^2/NDF: 5881296.0/33



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -23.502+/-350.082 χ^2/NDF:19.2/15

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

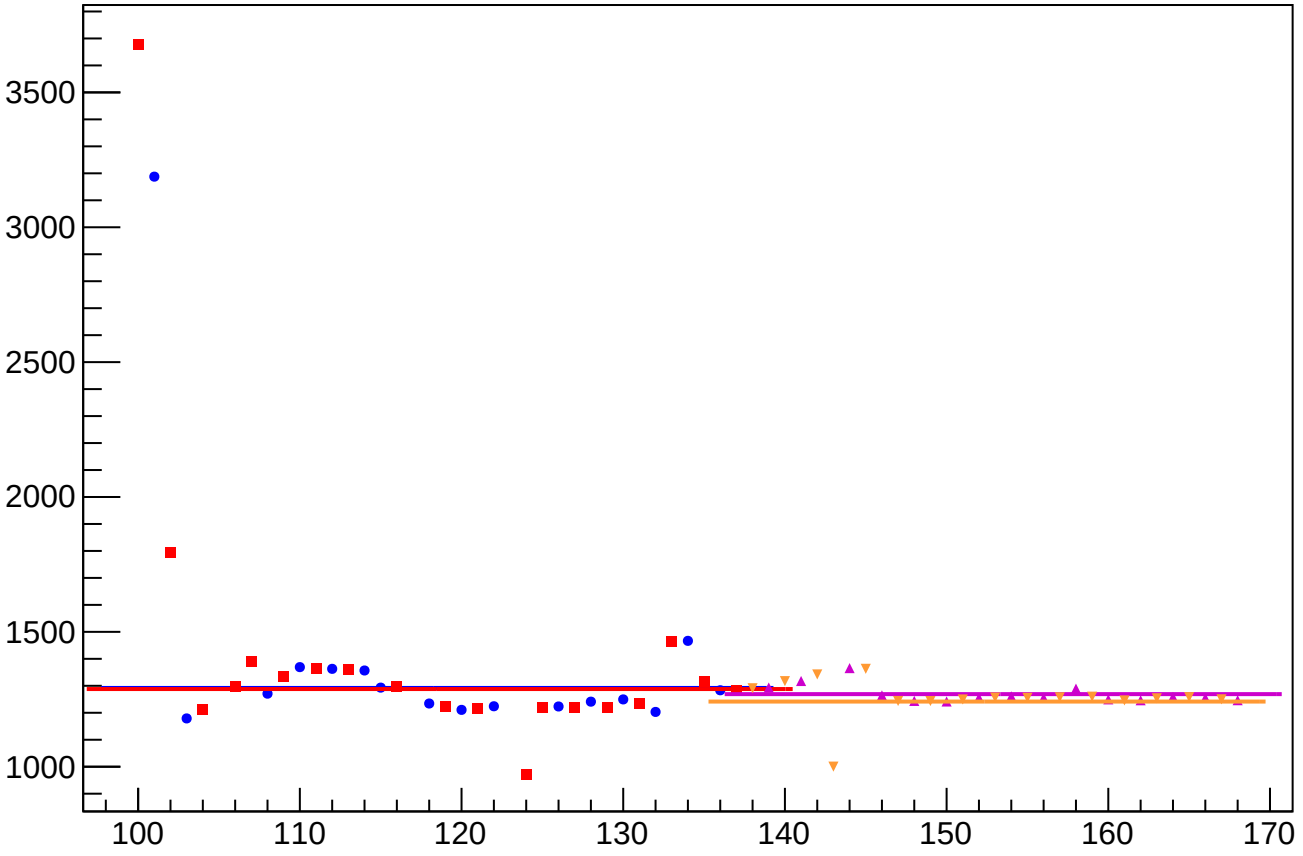
Left In: 488.459+/-360.350 χ^2/NDF:17.0/14

+ sign -276.555+/-284.773 χ^2/NDF: 34.3/31

All: 69.406+/-202.756 χ^2/NDF: 72.3/65

- sign 425.093+/-288.748 χ^2/NDF: 35.0/33

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: 1241.561+/-0.248 χ^2/NDF:122228.4/15

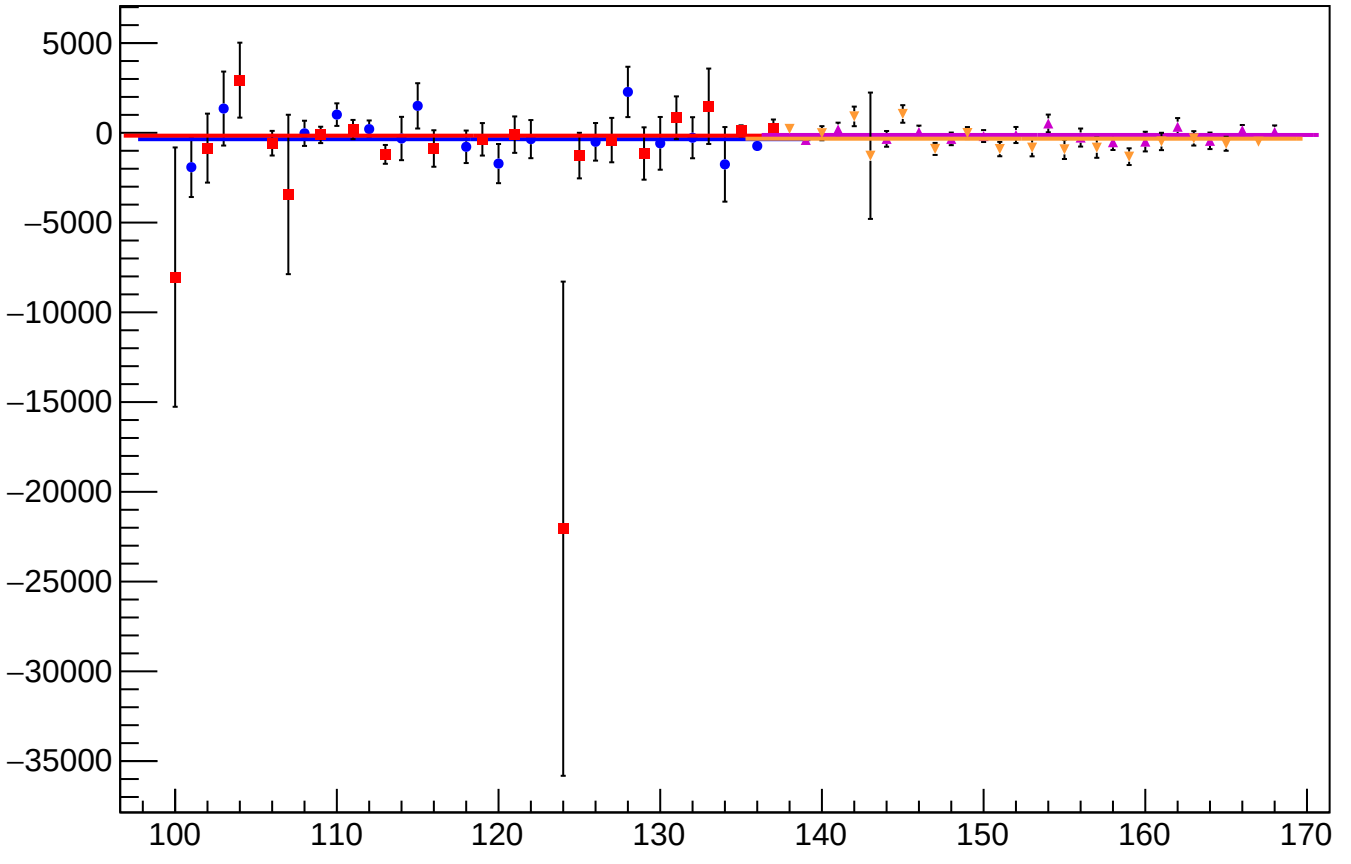
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1269.145+/-0.255 χ^2/NDF:16208.2/14

+ sign 1258.638+/-0.201 χ^2/NDF: 645701.2/31

All: 1267.144+/-0.143 χ^2/NDF: 876695.1/65

- sign 1275.889+/-0.204 χ^2/NDF: 227374.7/33



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -327.835+/-98.935 χ^2/NDF:33.4/15

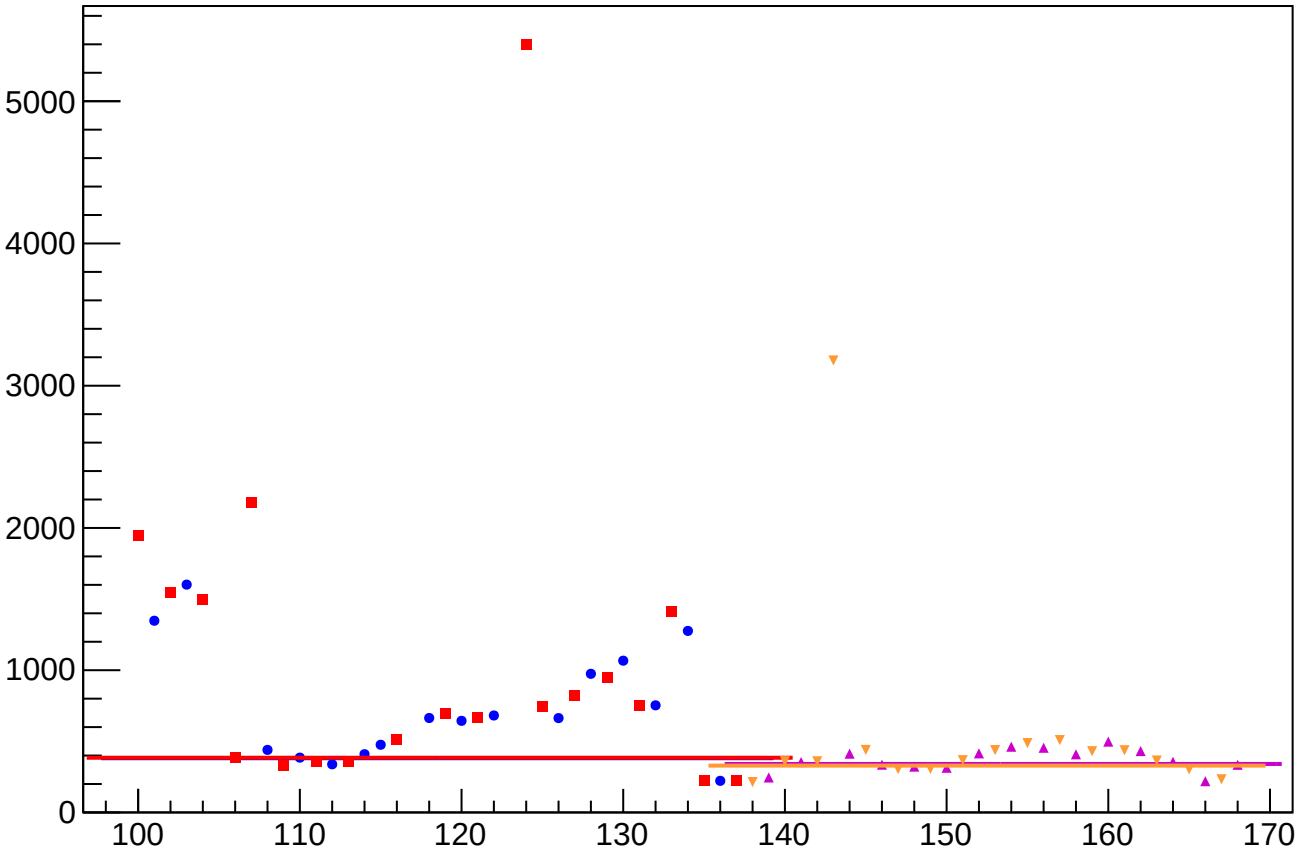
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -119.216+/-99.770 χ^2/NDF:8.1/14

+ sign -334.766+/-85.505 χ^2/NDF: 51.8/31

All: -232.561+/-60.636 χ^2/NDF: 78.7/65

- sign -129.163+/-86.003 χ^2/NDF: 23.9/33



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 329.363+/-0.070 χ^2/NDF:2886488.8/15

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

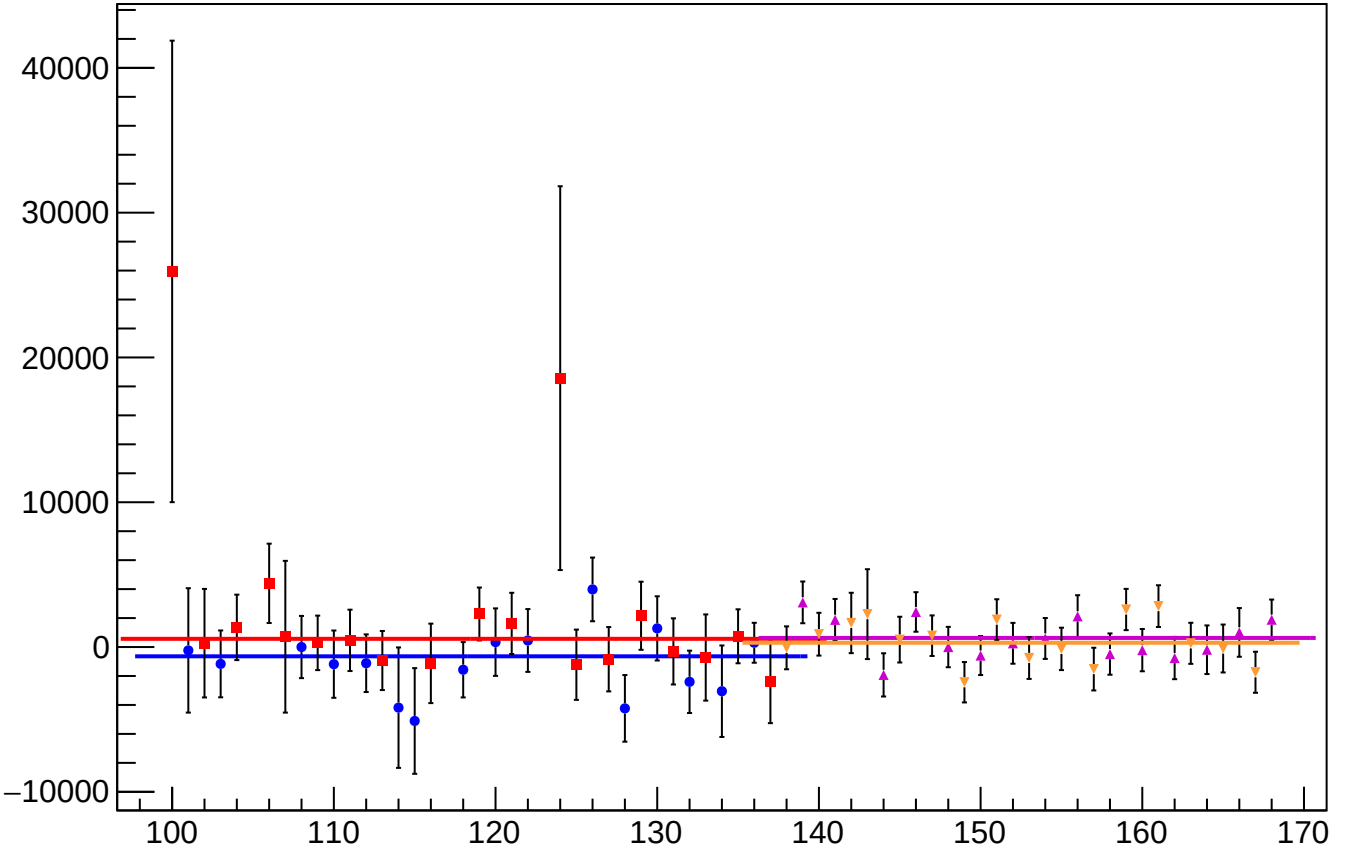
Left In: 340.896+/-0.071 χ^2/NDF:1222165.2/14

+ sign 342.521+/-0.060 χ^2/NDF: 7344020.6/31

All: 347.303+/-0.043 χ^2/NDF: 13237705.7/65

- sign 352.140+/-0.061 χ^2/NDF: 5881103.1/33

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 295.725+/-380.267 χ^2/NDF:16.2/15

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

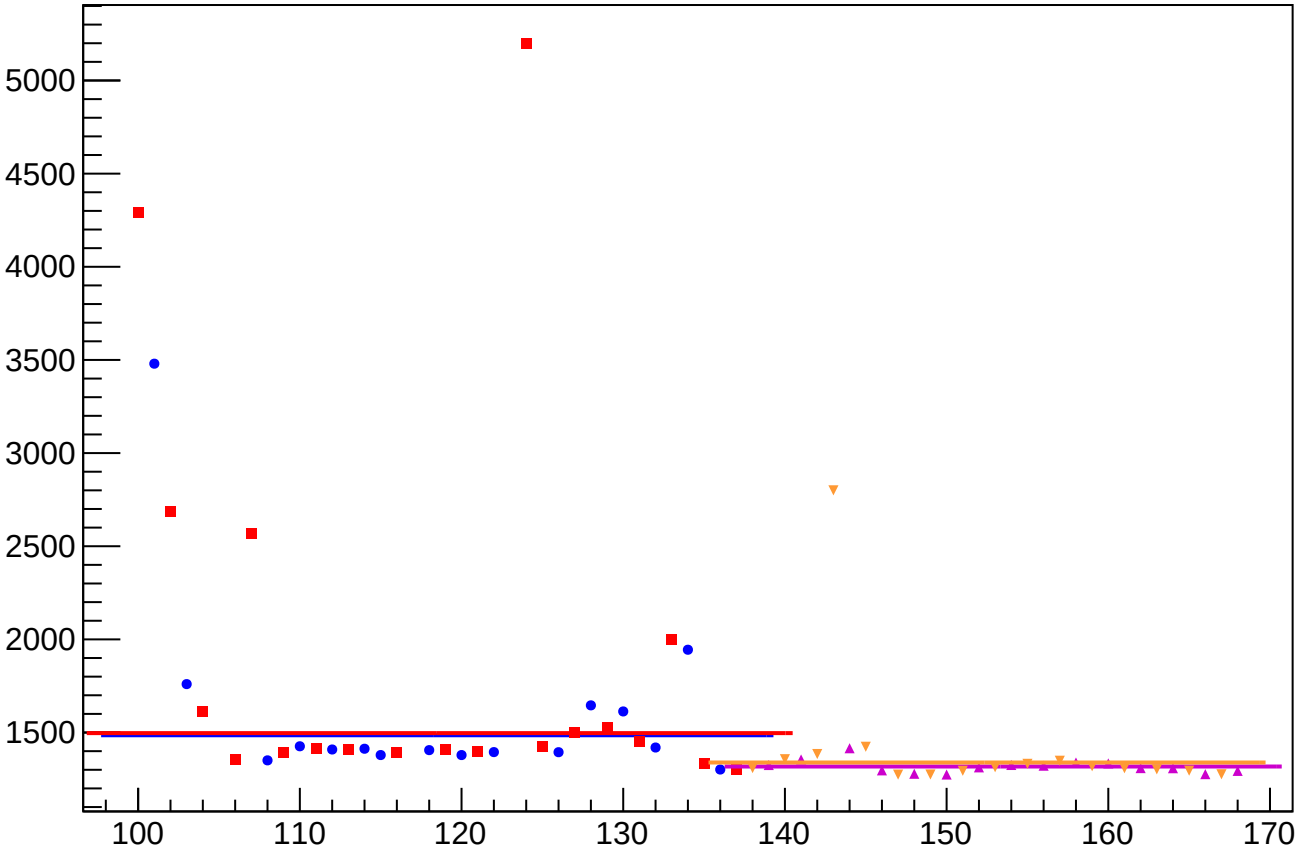
Left In: 628.888+/-374.124 χ^2/NDF:13.4/14

+ sign 3.295+/-315.360 χ^2/NDF: 30.6/31

All: 309.761+/-221.880 χ^2/NDF: 57.2/65

- sign 610.183+/-312.234 χ^2/NDF: 24.7/33

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1339.155+/-0.269 χ^2/NDF:470405.8/15

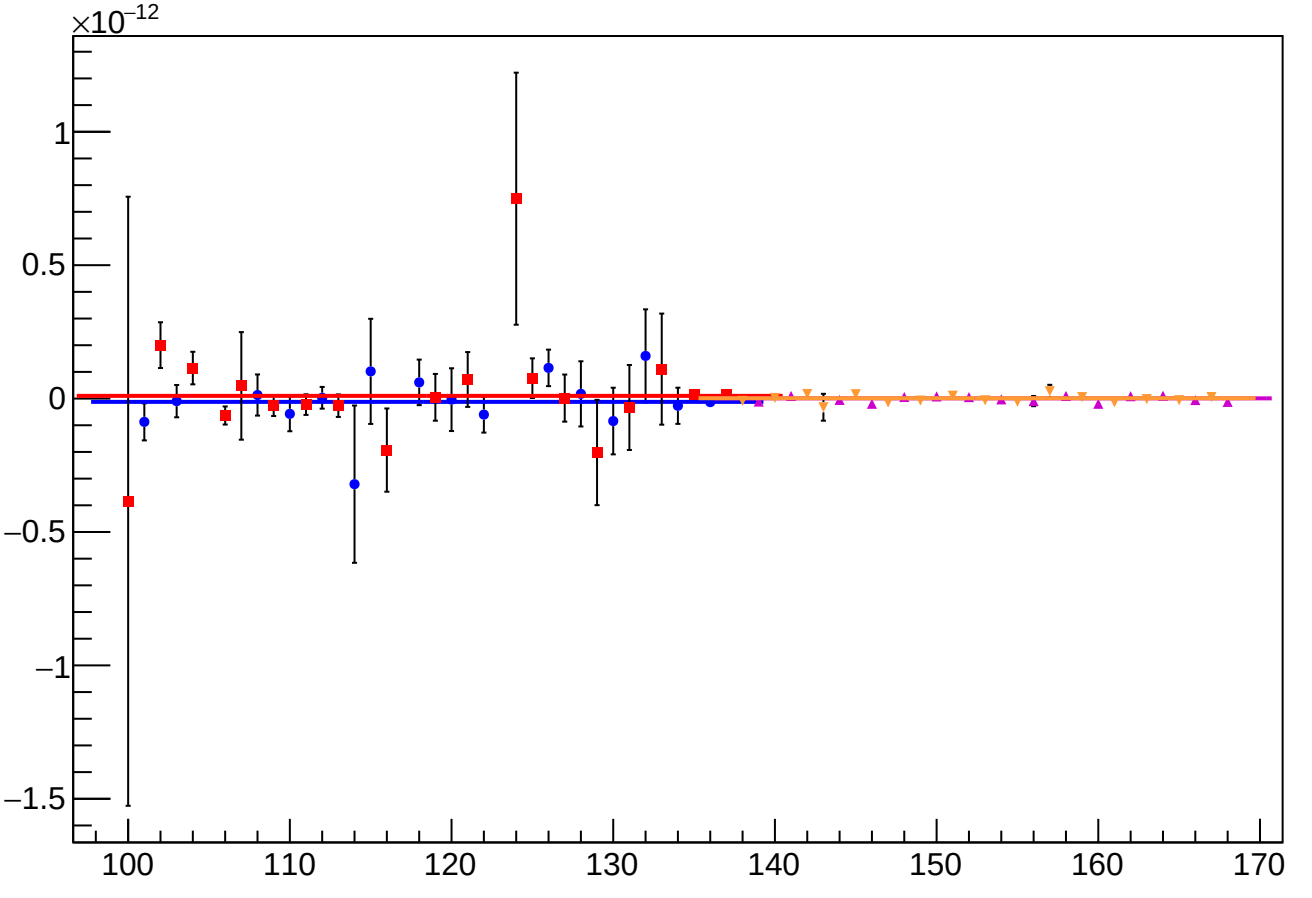
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1317.605+/-0.265 χ^2/NDF:16823.5/14

+ sign 1384.810+/-0.223 χ^2/NDF: 1147202.8/31

All: 1378.345+/-0.157 χ^2/NDF: 1928334.3/65

- sign 1372.009+/-0.221 χ^2/NDF: 779467.3/33



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.8/15

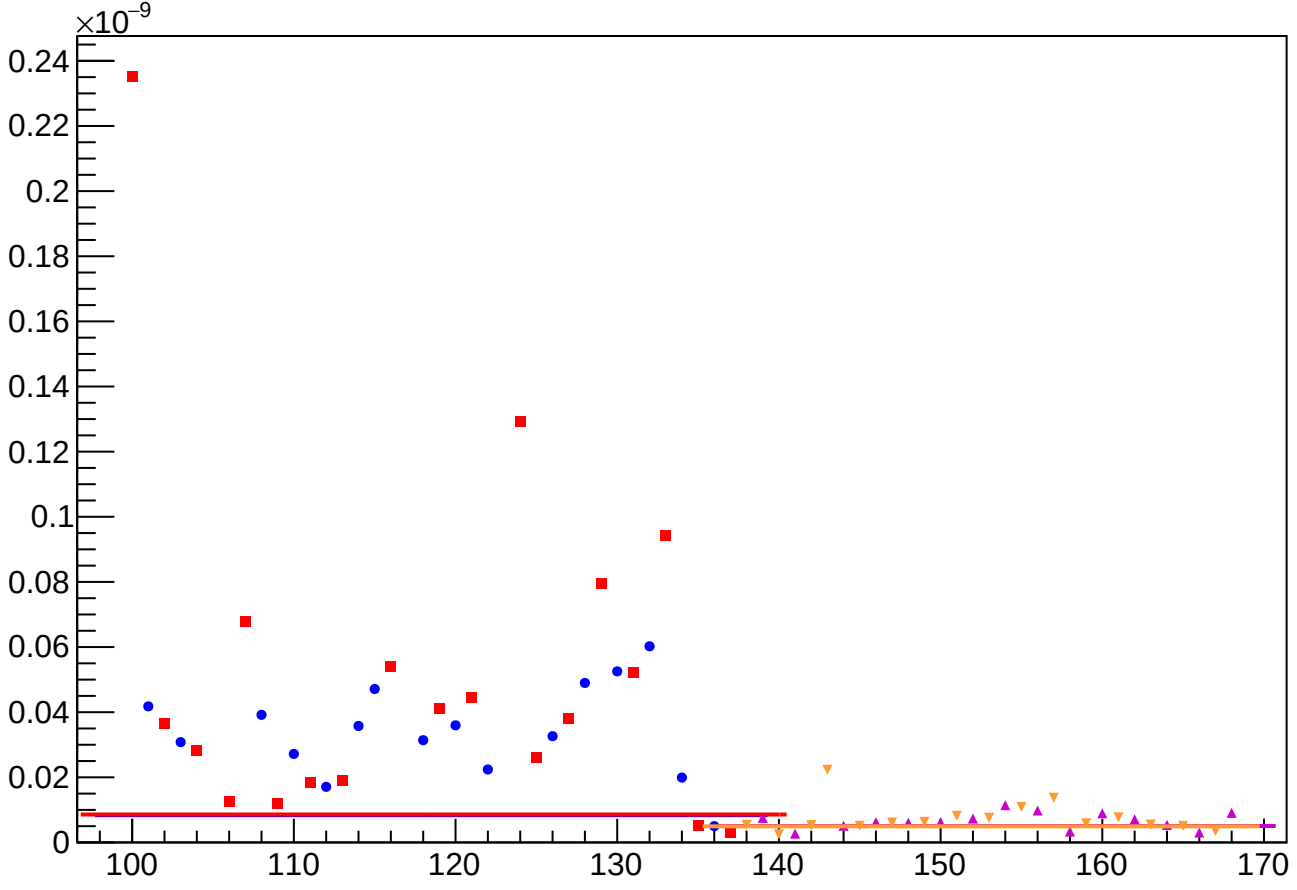
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 27.3/31

All: 0.000+/-0.000 χ^2/NDF: 66.5/65

- sign 0.000+/-0.000 χ^2/NDF: 39.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1759200.9/15

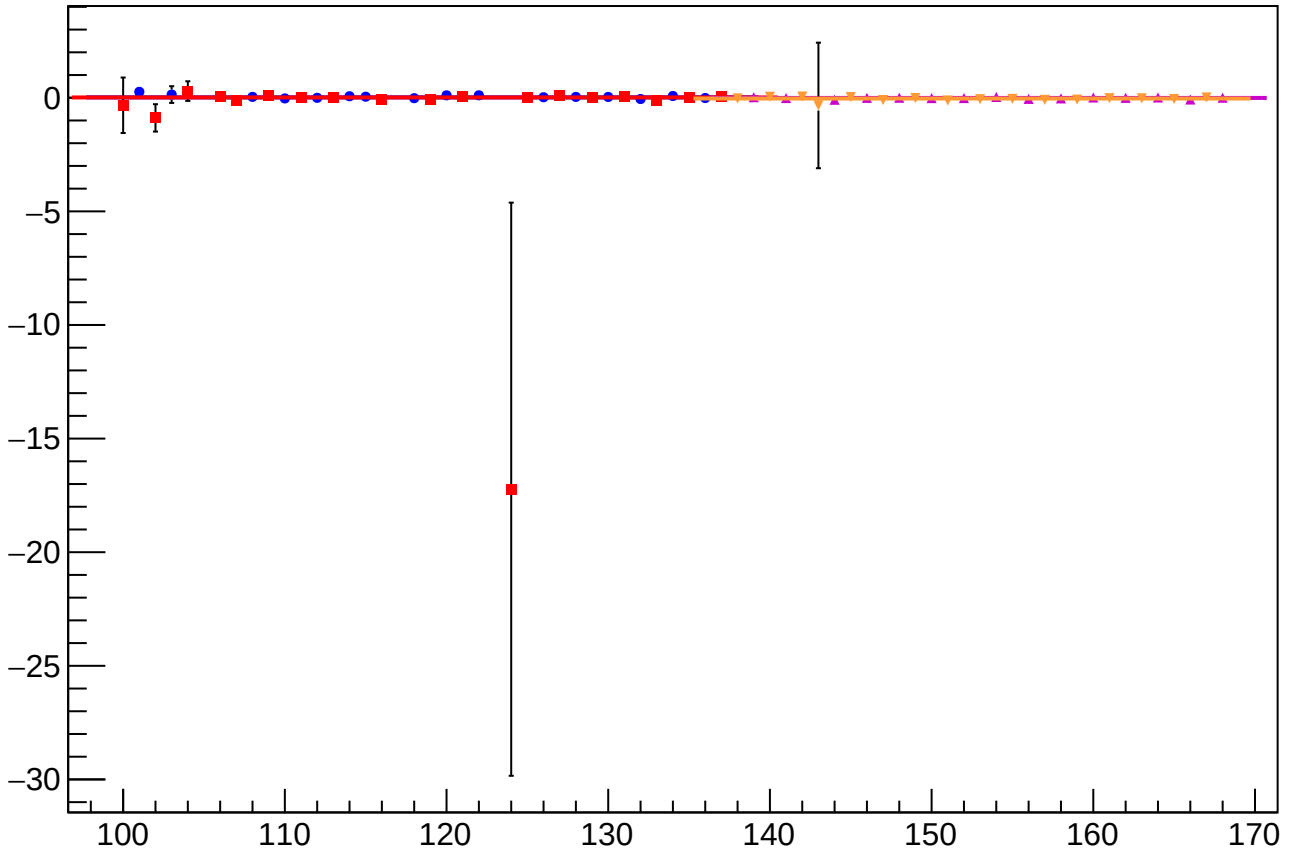
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1575056.4/14

+ sign 0.000+/-0.000 χ^2/NDF: 5204635.1/31

All: 0.000+/-0.000 χ^2/NDF: 10481994.8/65

- sign 0.000+/-0.000 χ^2/NDF: 5275761.1/33



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

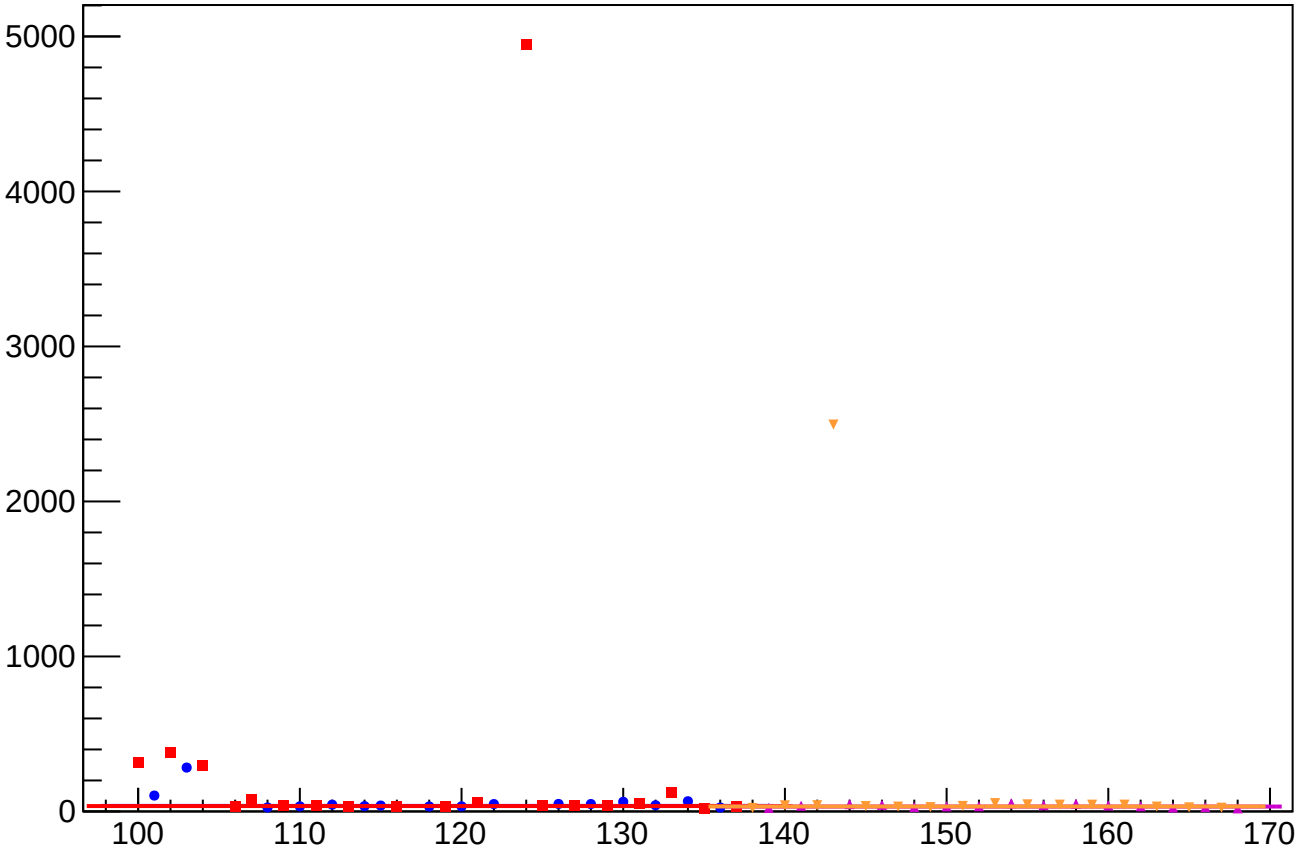
Left In: -0.008+/-0.010 χ^2/NDF:8.8/14

+ sign -0.018+/-0.009 χ^2/NDF: 39.4/31

All: -0.010+/-0.006 χ^2/NDF: 67.5/65

- sign -0.002+/-0.008 χ^2/NDF: 26.2/33

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: 32.241+/-0.007 χ^2/NDF:2891530.3/15

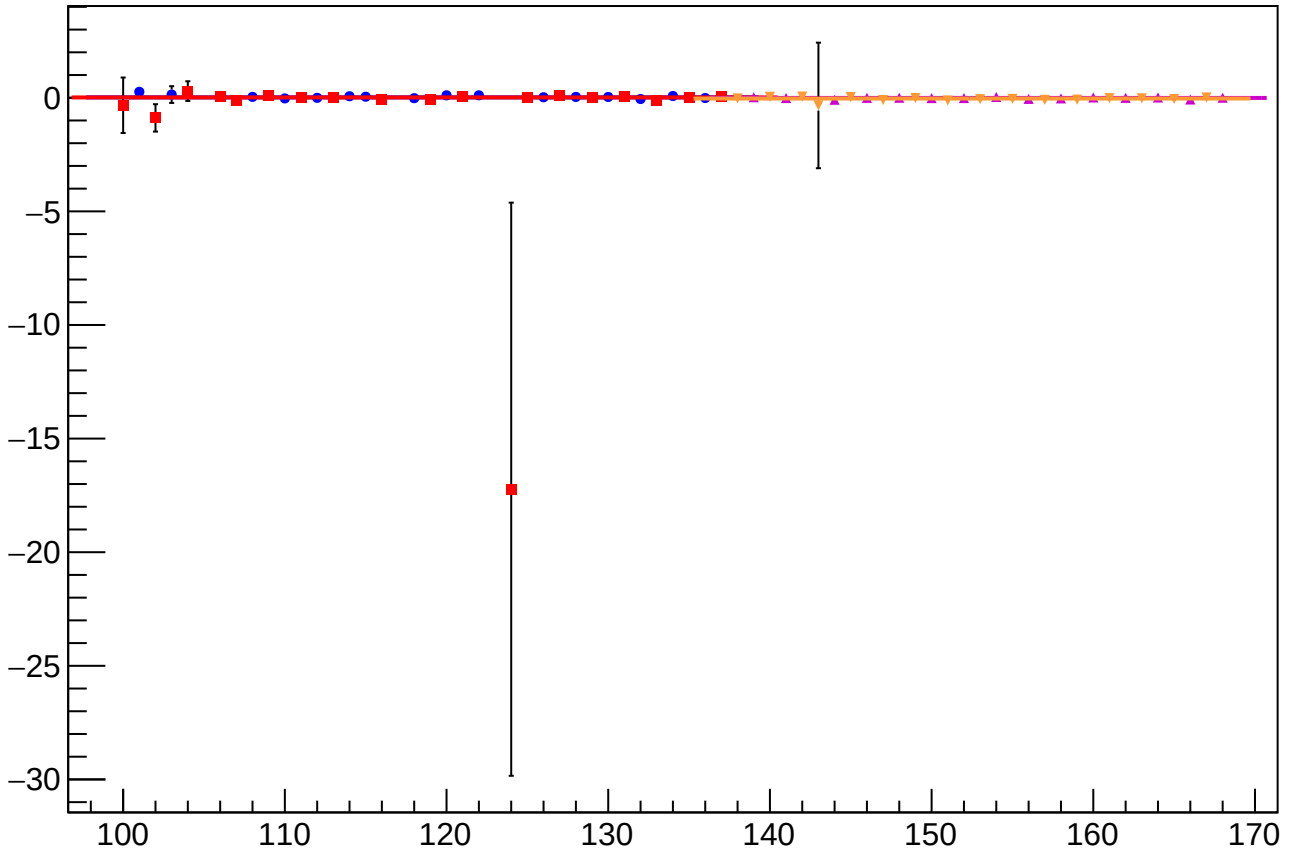
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.641+/-0.007 χ^2/NDF:1614263.4/14

\+ sign 33.319+/-0.006 χ^2/NDF: 5227422.7/31

All: 32.935+/-0.004 χ^2/NDF: 9821517.7/65

\- sign 32.563+/-0.006 χ^2/NDF: 4586188.2/33



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

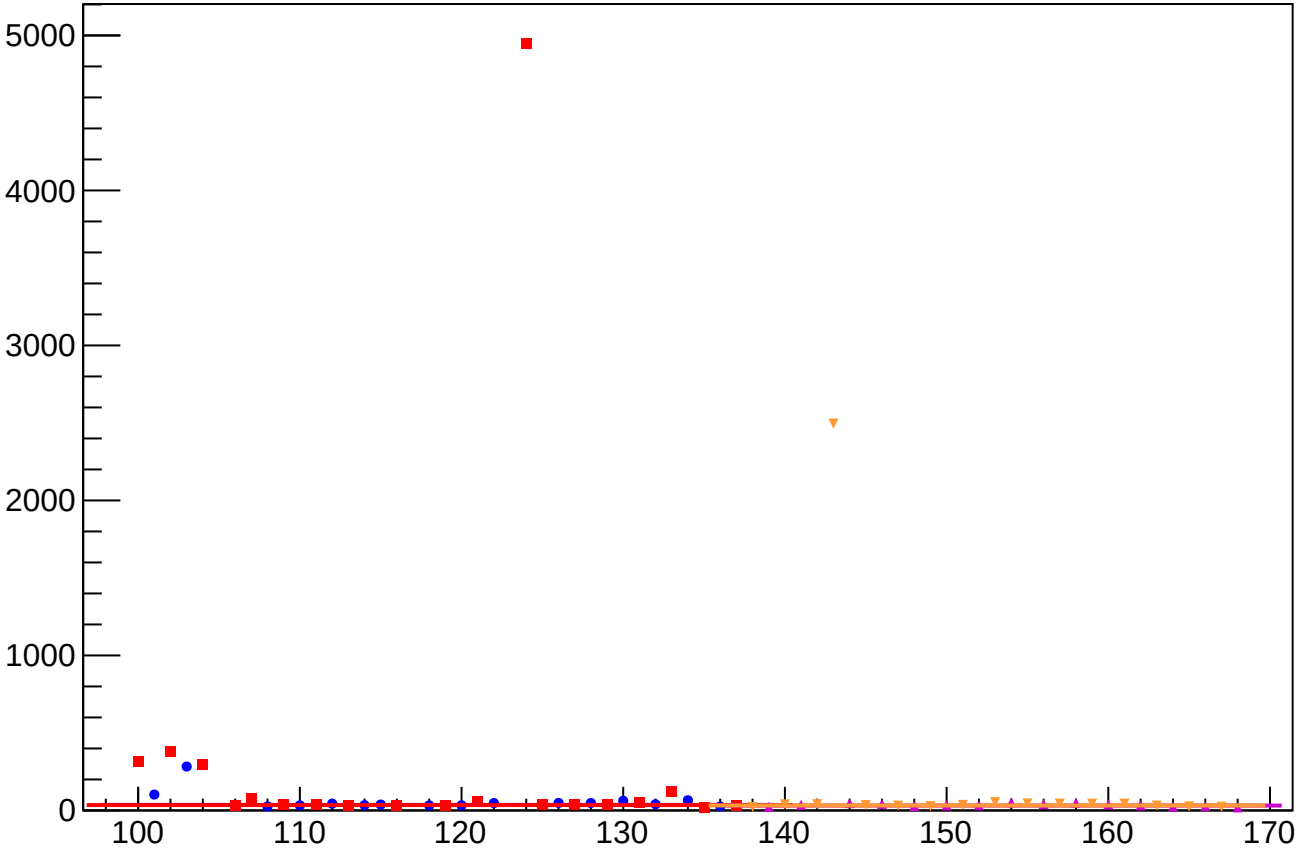
Left In: -0.008+/-0.010 χ^2/NDF:8.8/14

+ sign -0.018+/-0.009 χ^2/NDF: 39.4/31

All: -0.010+/-0.006 χ^2/NDF: 67.5/65

- sign -0.002+/-0.008 χ^2/NDF: 26.2/33

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: 32.241+/-0.007 χ^2/NDF:2891530.3/15

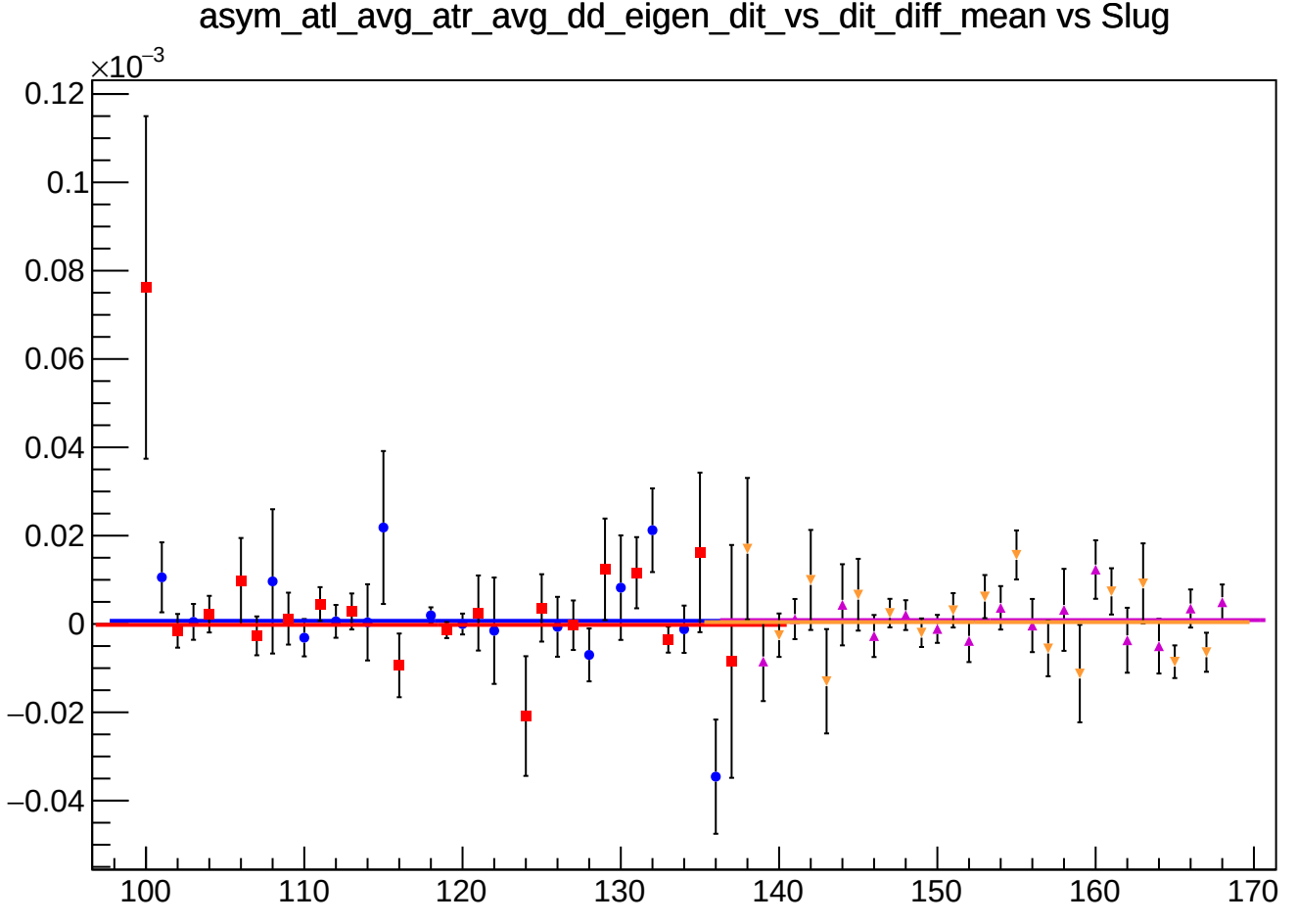
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.641+/-0.007 χ^2/NDF:1614263.4/14

\+ sign 33.319+/-0.006 χ^2/NDF: 5227422.7/31

All: 32.935+/-0.004 χ^2/NDF: 9821517.7/65

\- sign 32.563+/-0.006 χ^2/NDF: 4586188.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/15

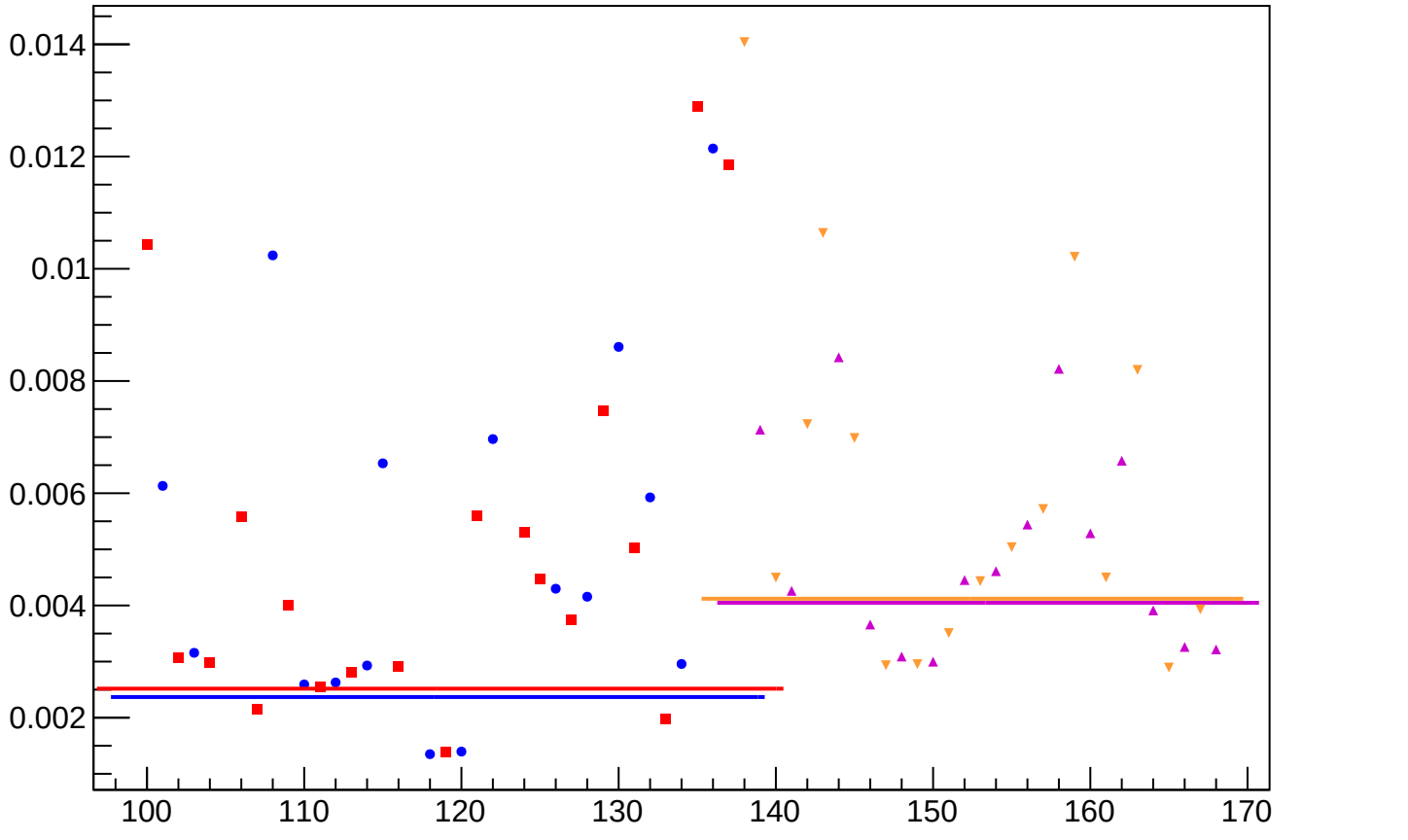
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/14

+ sign 0.000+/-0.000 χ^2/NDF: 46.4/31

All: 0.000+/-0.000 χ^2/NDF: 74.4/65

- sign 0.000+/-0.000 χ^2/NDF: 27.9/33



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3804204.0/15

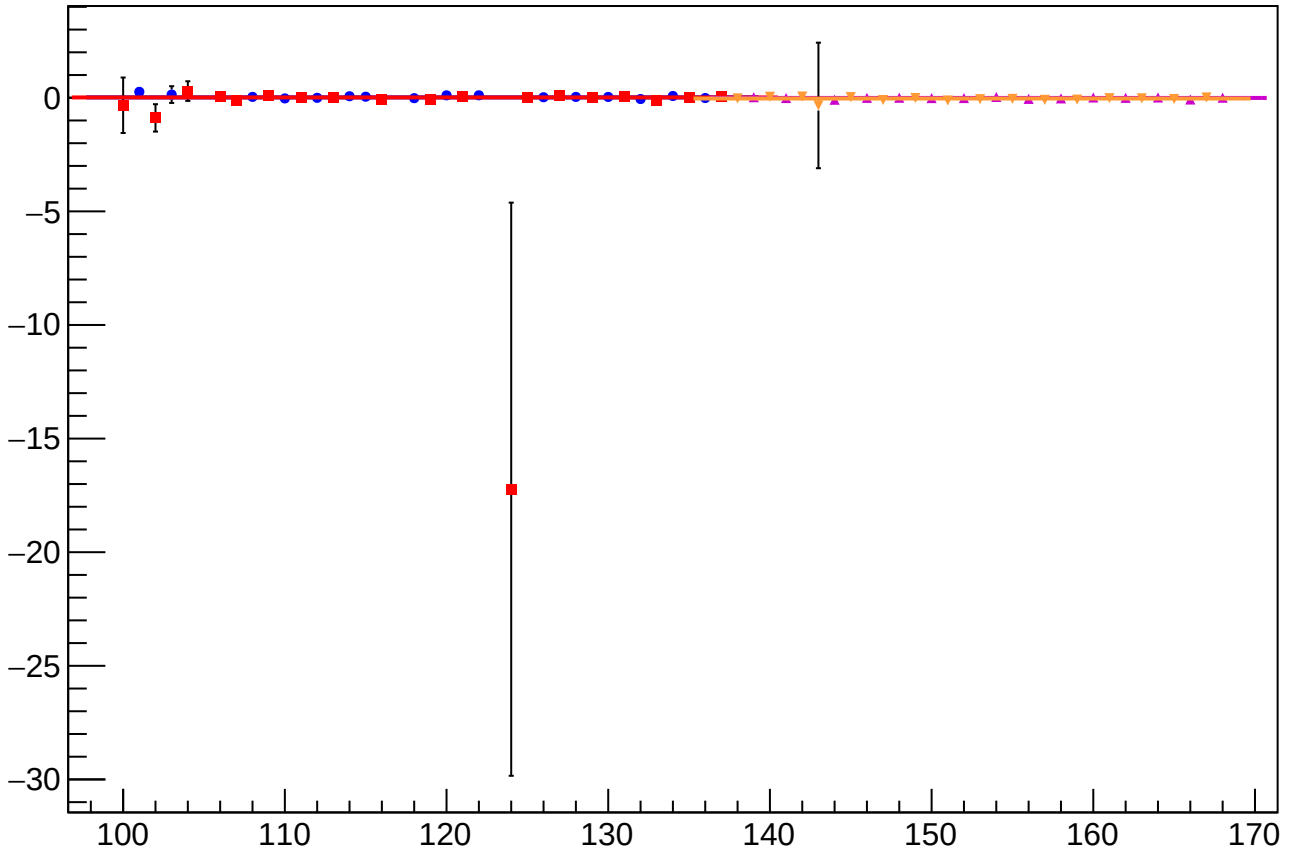
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2099825.3/14

+ sign 0.003+/-0.000 χ^2/NDF: 10677382.4/31

All: 0.003+/-0.000 χ^2/NDF: 17868639.3/65

- sign 0.003+/-0.000 χ^2/NDF: 7190412.2/33



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.010 χ^2/NDF:20.6/15

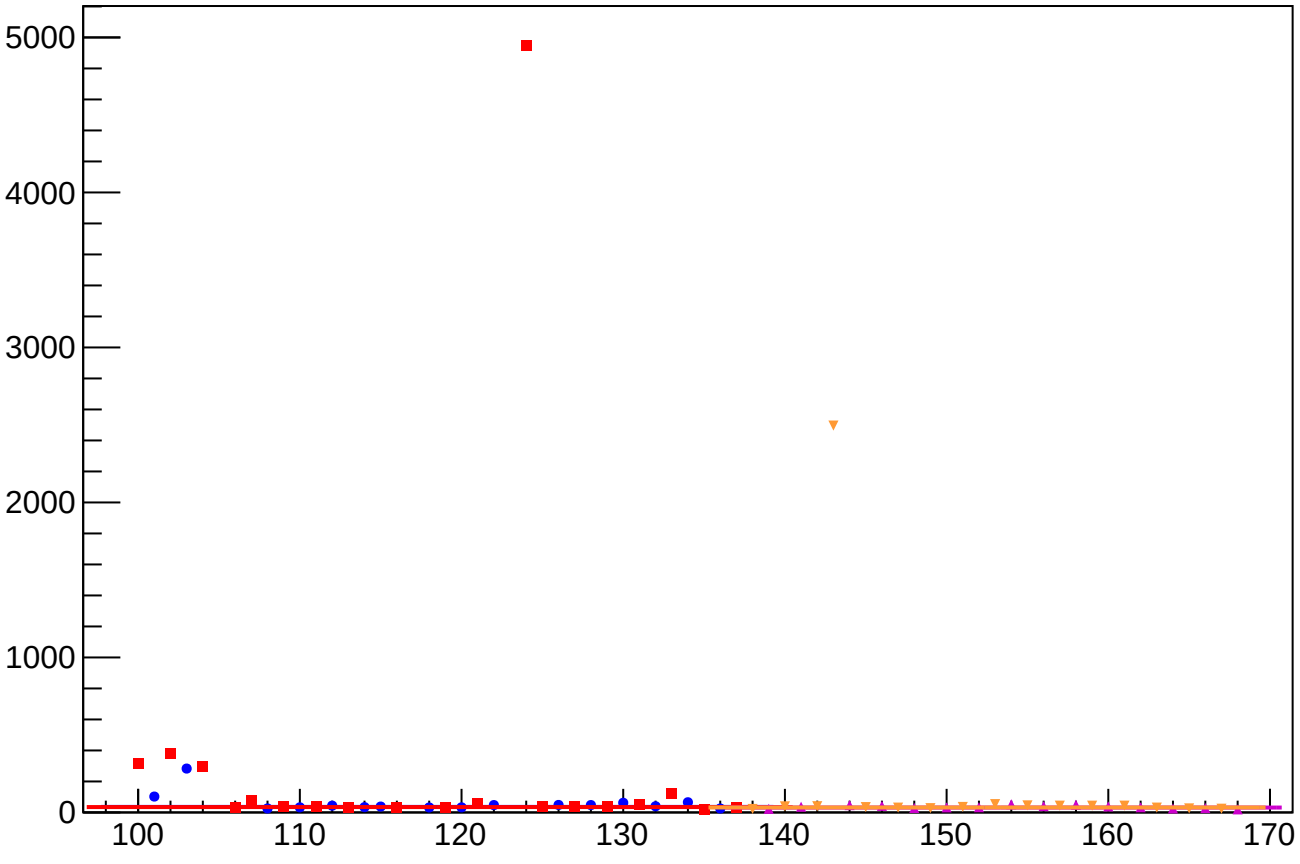
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.008+/-0.010 χ^2/NDF:8.8/14

+ sign -0.018+/-0.009 χ^2/NDF: 39.4/31

All: -0.010+/-0.006 χ^2/NDF: 67.5/65

- sign -0.002+/-0.008 χ^2/NDF: 26.2/33



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891675.5/15

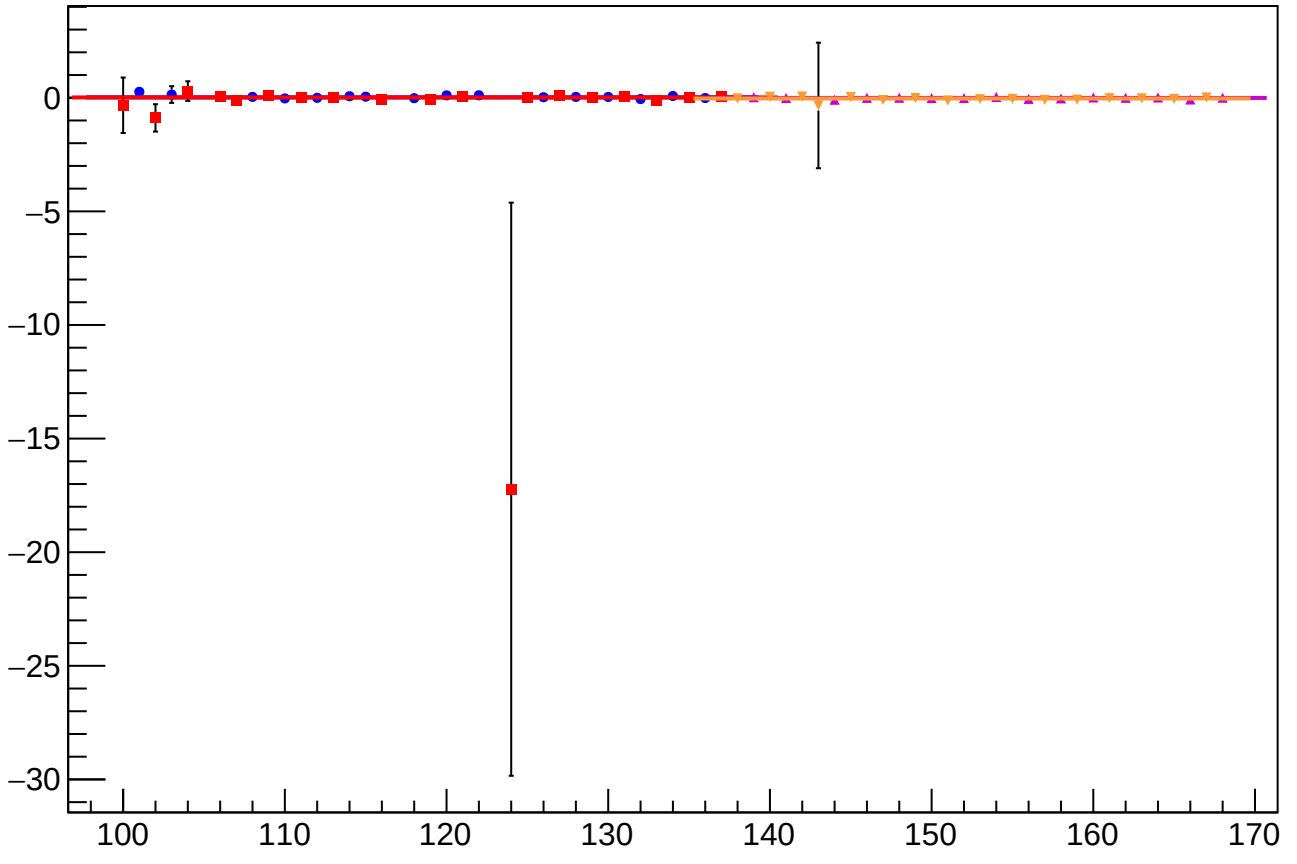
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.640+/-0.007 χ^2/NDF:1614844.4/14

\+ sign 33.320+/-0.006 χ^2/NDF: 5227344.2/31

All: 32.935+/-0.004 χ^2/NDF: 9821956.4/65

\- sign 32.562+/-0.006 χ^2/NDF: 4586678.5/33



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

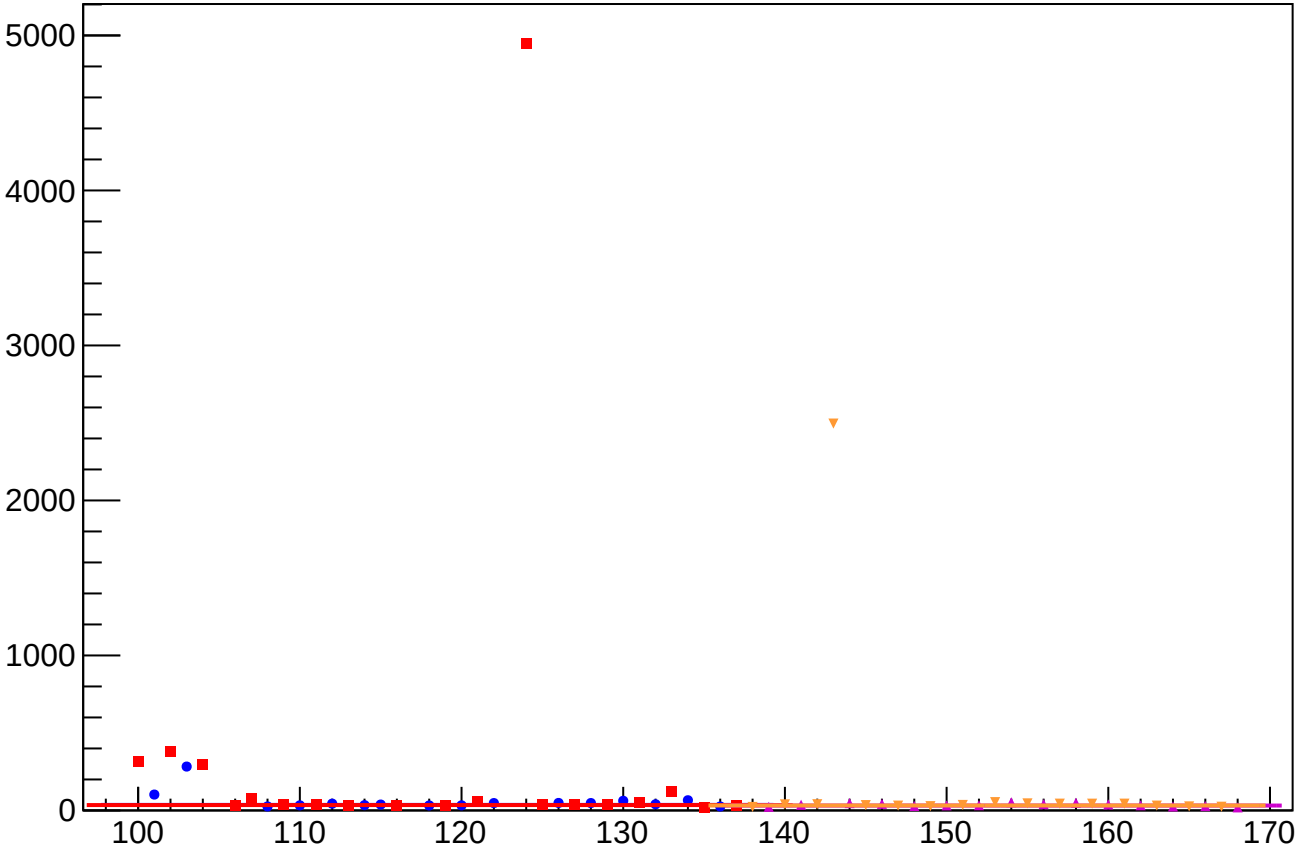
Left In: -0.008+/-0.010 χ^2/NDF:8.8/14

+ sign -0.018+/-0.009 χ^2/NDF: 39.4/31

All: -0.010+/-0.006 χ^2/NDF: 67.5/65

- sign -0.002+/-0.008 χ^2/NDF: 26.2/33

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891675.5/15

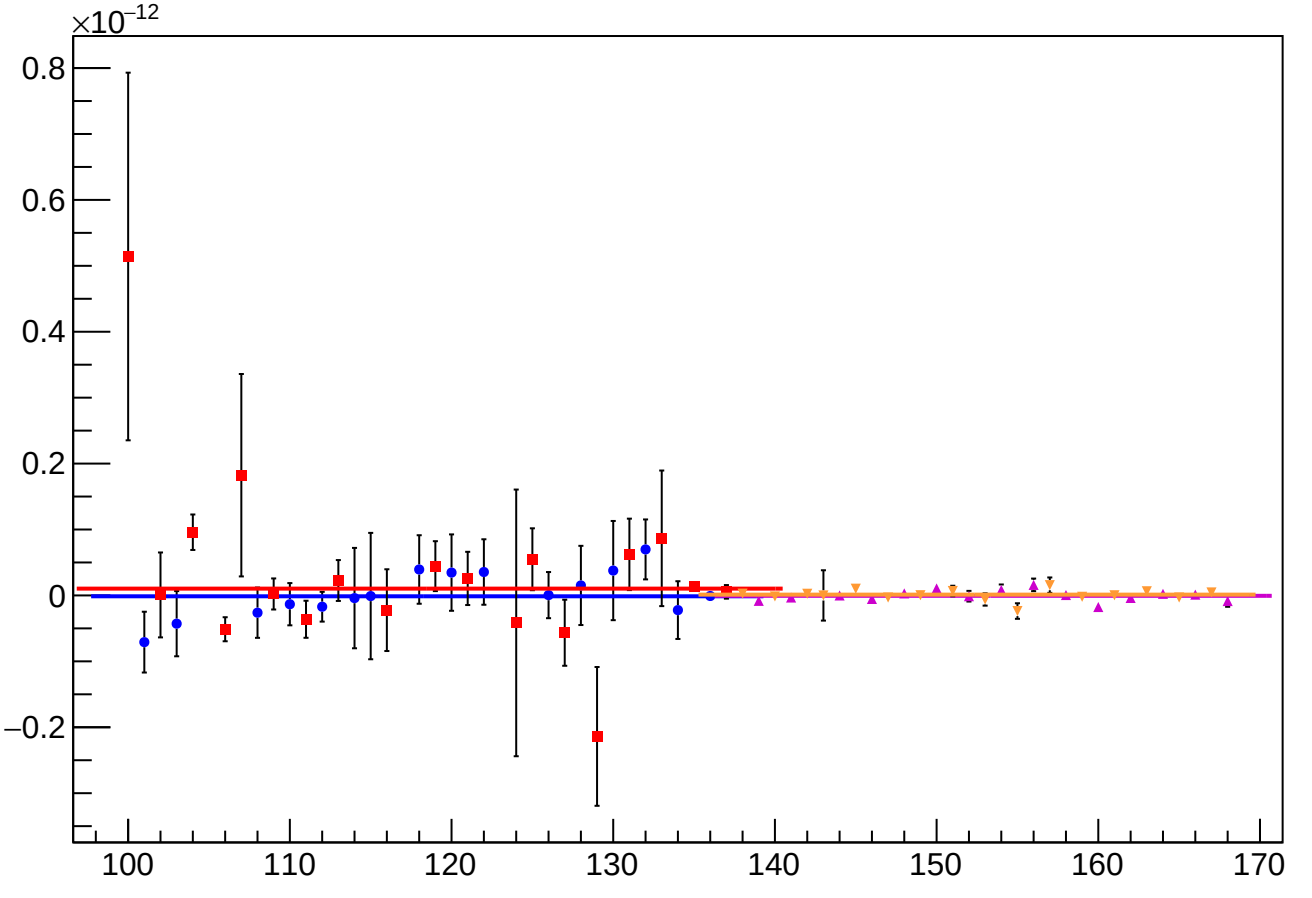
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.640+/-0.007 χ^2/NDF:1614844.4/14

+ sign 33.320+/-0.006 χ^2/NDF: 5227344.2/31

All: 32.935+/-0.004 χ^2/NDF: 9821956.4/65

- sign 32.562+/-0.006 χ^2/NDF: 4586678.5/33



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/15

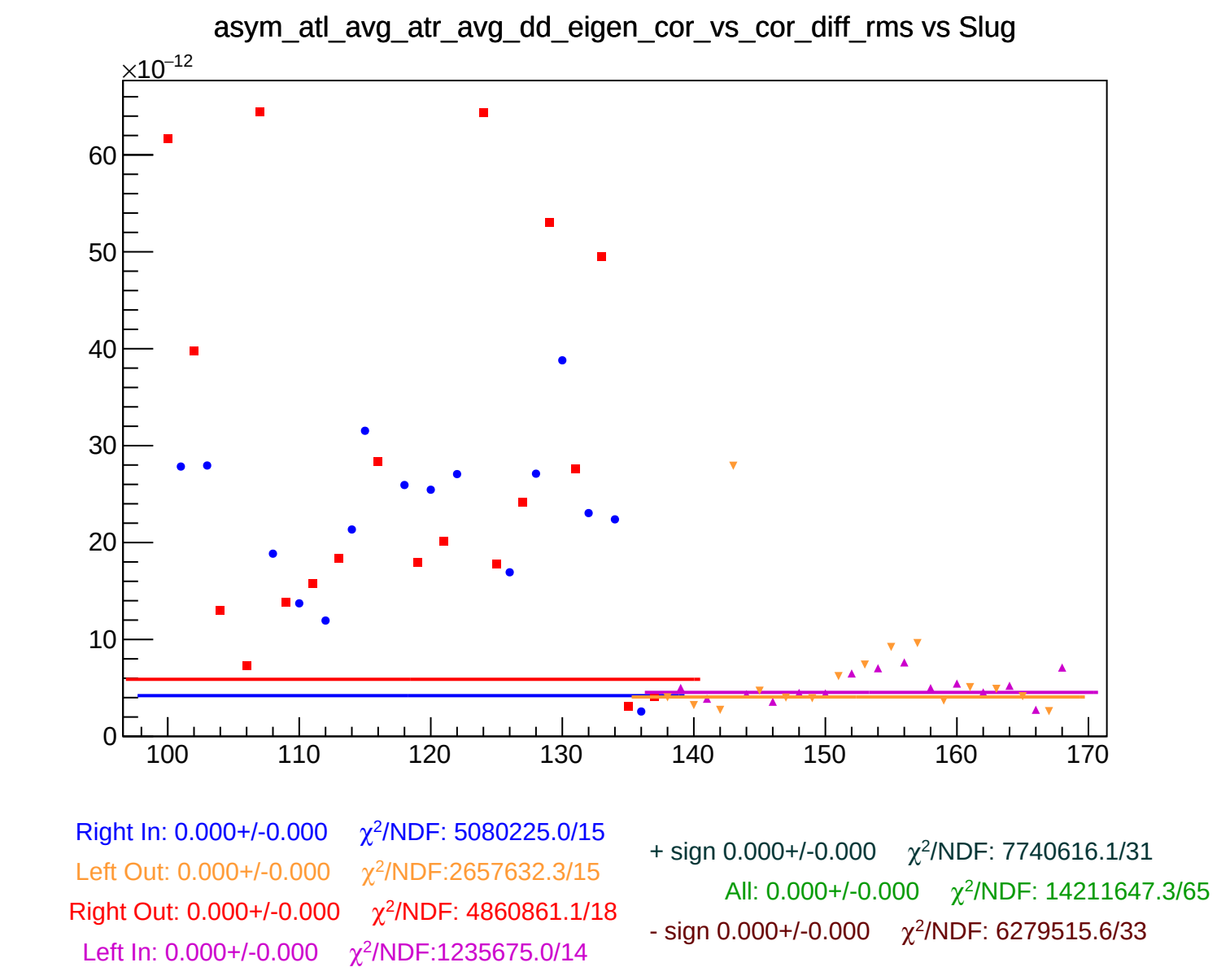
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/14

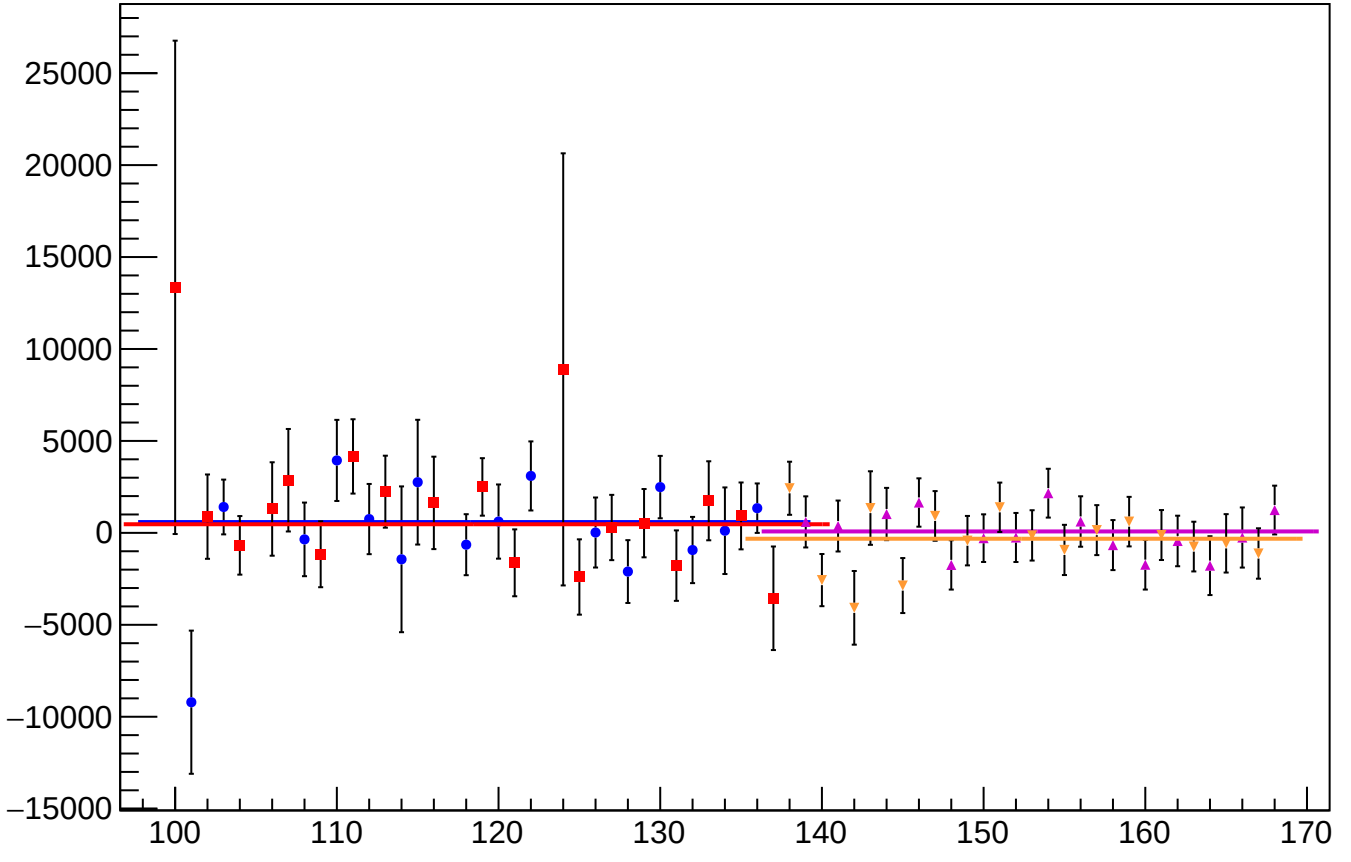
+ sign 0.000+/-0.000 χ^2/NDF: 21.8/31

All: 0.000+/-0.000 χ^2/NDF: 85.9/65

- sign 0.000+/-0.000 χ^2/NDF: 64.2/33


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2657632.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:1235675.0/14
+ sign 0.000+/-0.000 χ²/NDF: 7740616.1/31
All: 0.000+/-0.000 χ²/NDF: 14211647.3/65
- sign 0.000+/-0.000 χ²/NDF: 6279515.6/33

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -319.454+/-358.993 χ^2/NDF:17.0/15

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

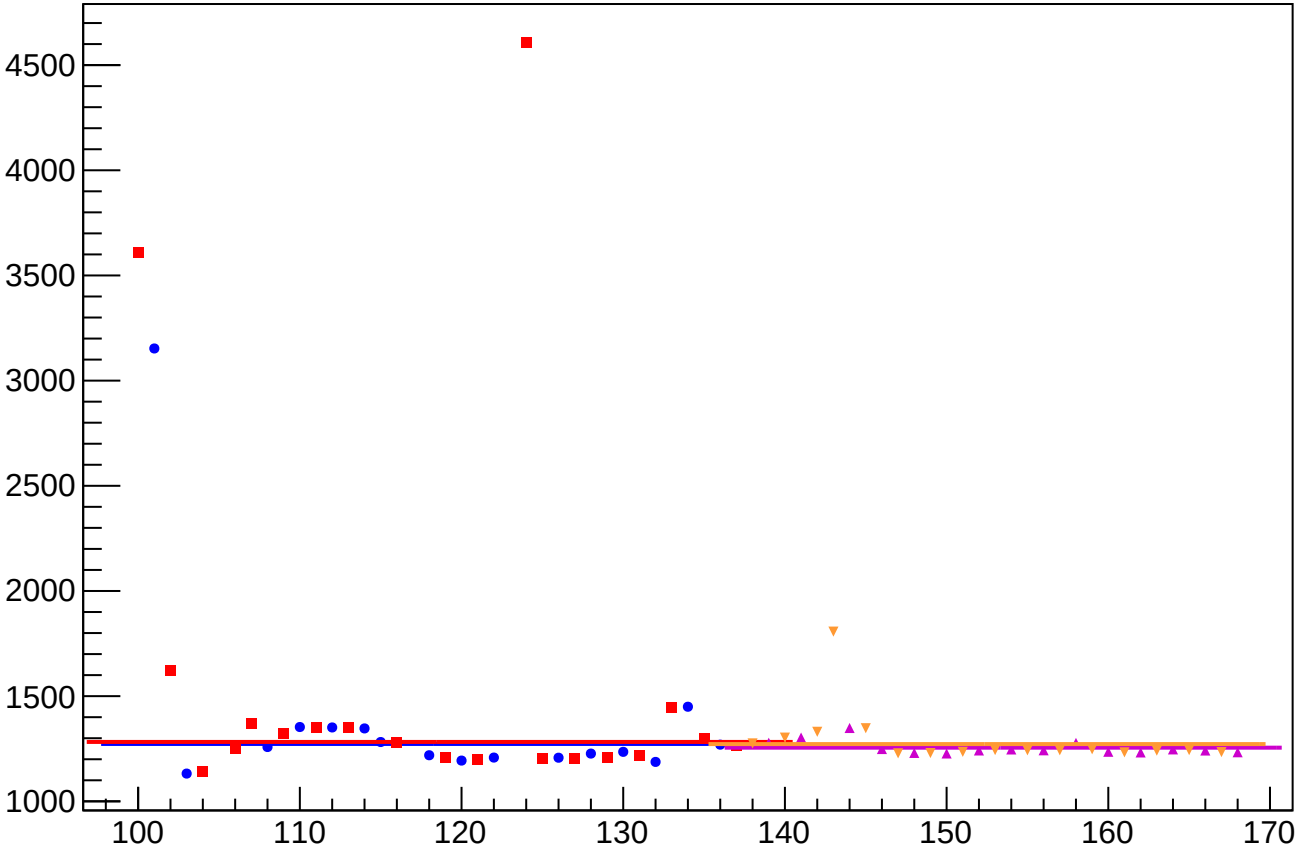
Left In: 78.029+/-356.346 χ^2/NDF:11.0/14

+ sign 3.571+/-288.004 χ^2/NDF: 36.4/31

All: 110.824+/-203.019 χ^2/NDF: 65.0/65

- sign 216.758+/-286.228 χ^2/NDF: 28.3/33

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1272.115+/-0.254 χ^2/NDF:164683.8/15

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

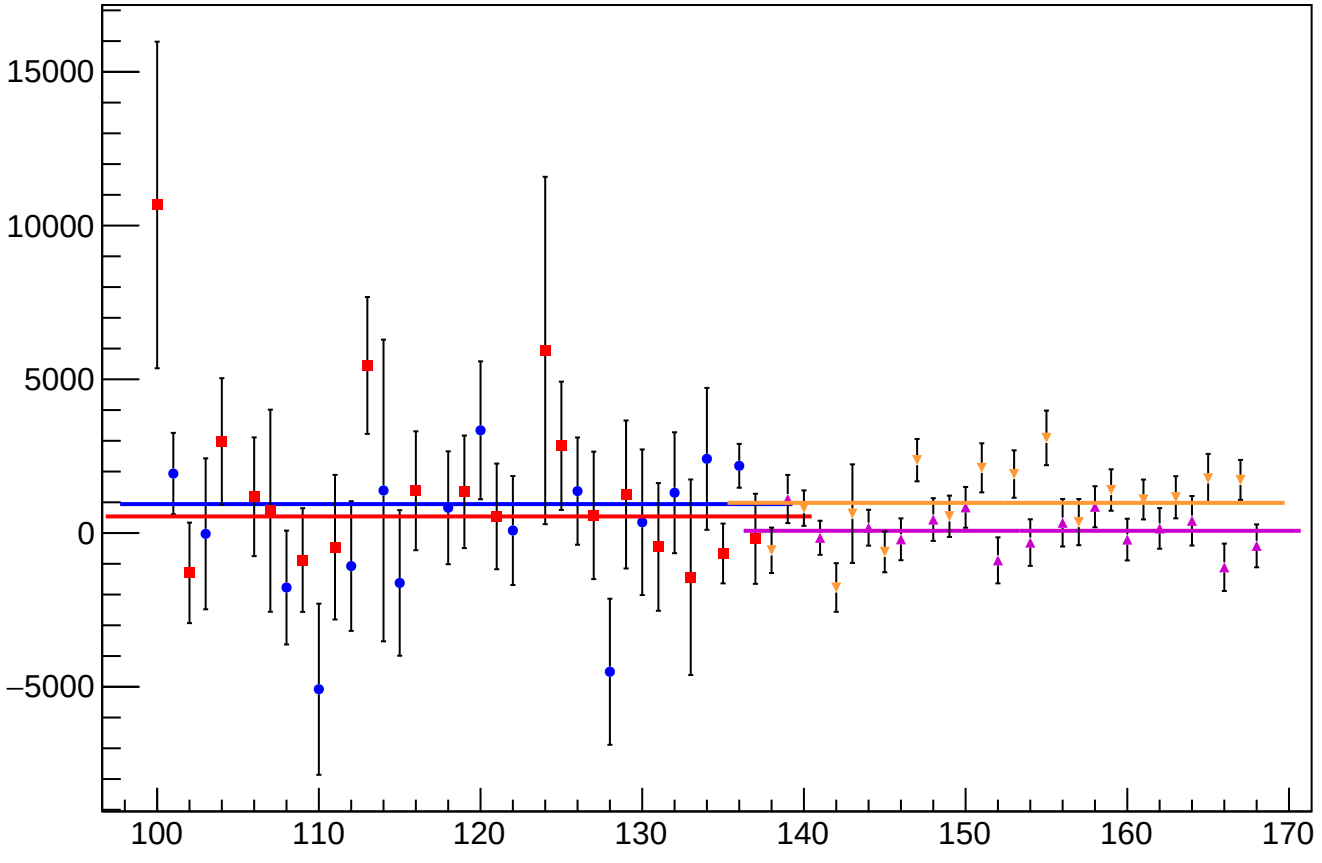
Left In: 1255.069+/-0.252 χ^2/NDF:15976.9/14

+ sign 1272.361+/-0.204 χ^2/NDF: 683984.6/31

All: 1268.534+/-0.144 χ^2/NDF: 1026905.6/65

- sign 1264.755+/-0.202 χ^2/NDF: 342219.2/33

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 981.981+/-181.441 χ^2/NDF:39.5/15

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

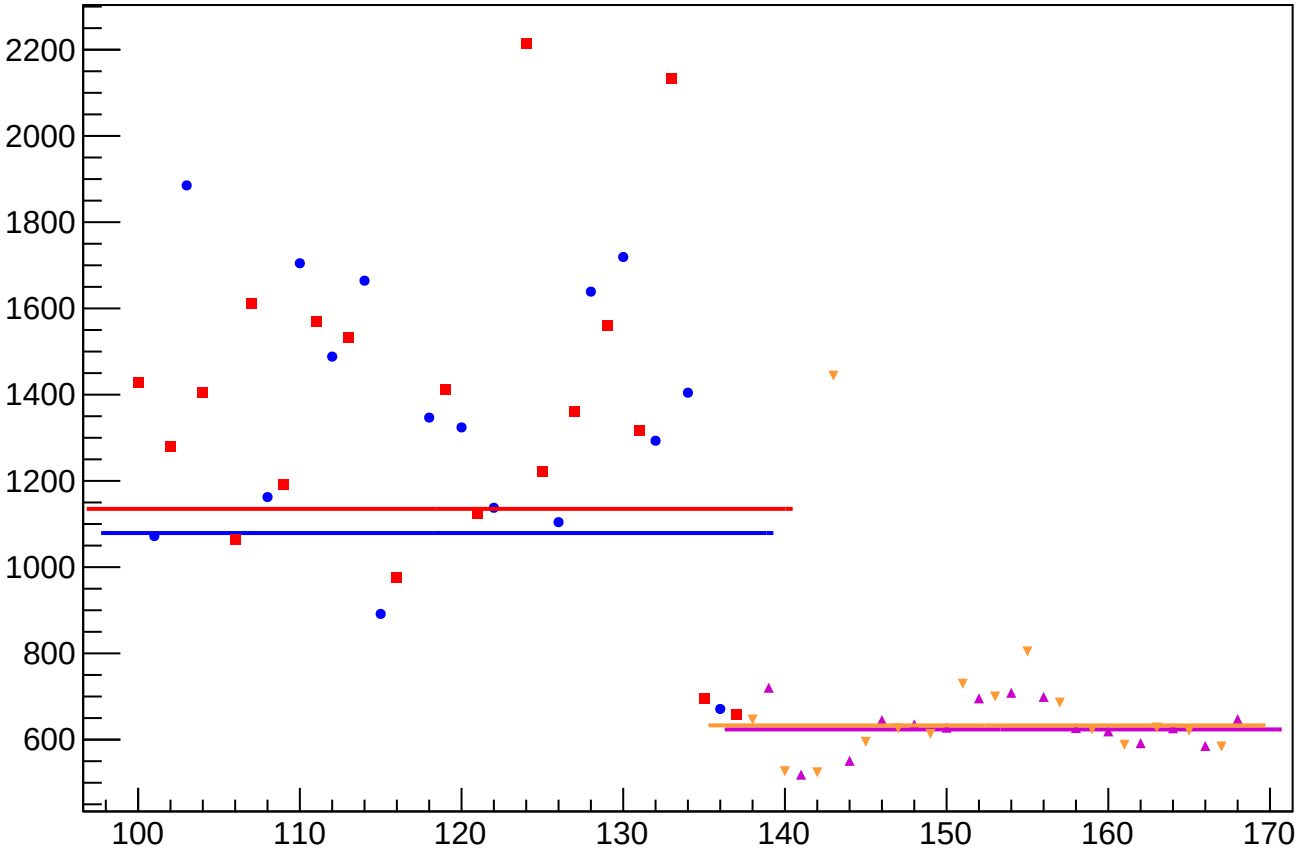
Left In: 73.375+/-178.152 χ^2/NDF:10.3/14

+ sign 975.801+/-166.921 χ^2/NDF: 59.5/31

All: 552.980+/-117.391 χ^2/NDF: 100.6/65

- sign 139.209+/-165.125 χ^2/NDF: 28.4/33

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: 633.035+/-0.128 χ^2/NDF:777339.8/15

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

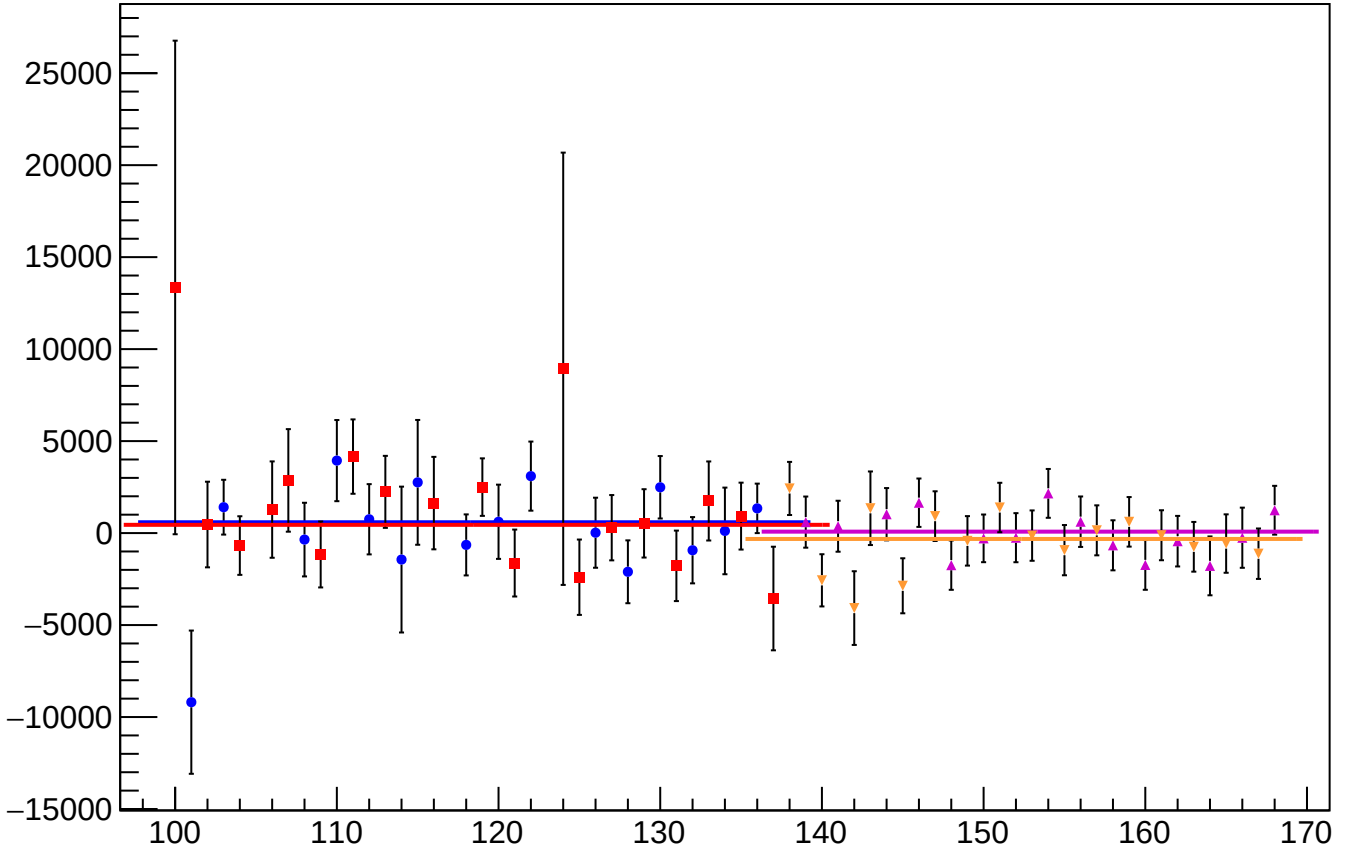
Left In: 623.649+/-0.126 χ^2/NDF:210798.9/14

+ sign 701.576+/-0.118 χ^2/NDF: 4117071.0/31

All: 698.616+/-0.083 χ^2/NDF: 7945300.6/65

- sign 695.720+/-0.117 χ^2/NDF: 3826985.6/33

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -319.546+/-358.993 χ^2/NDF:17.0/15

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

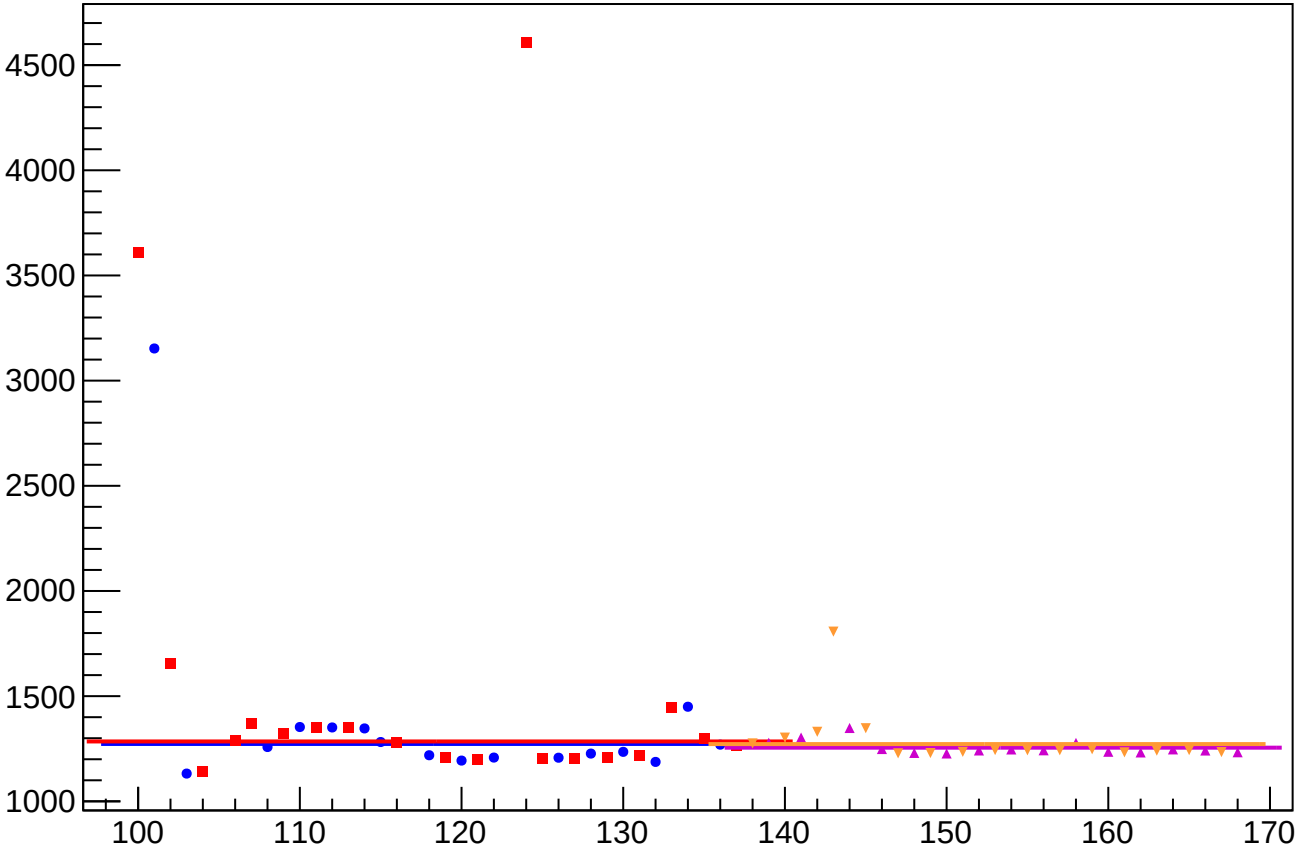
Left In: 78.060+/-356.346 χ^2/NDF:11.0/14

+ sign 3.626+/-288.004 χ^2/NDF: 36.3/31

All: 106.977+/-203.080 χ^2/NDF: 64.8/65

- sign 209.181+/-286.400 χ^2/NDF: 28.2/33

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1272.115+/-0.254 χ^2/NDF:164683.8/15

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

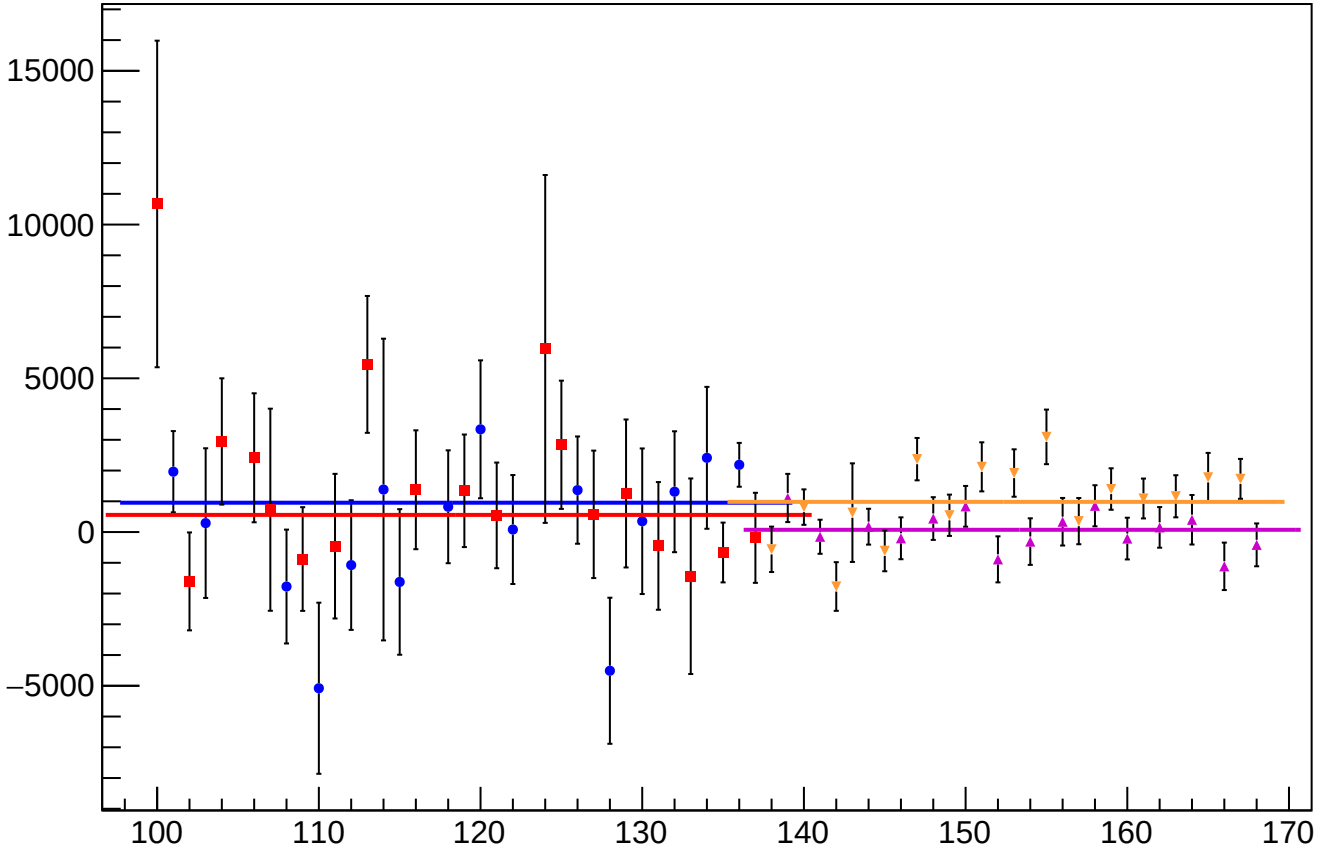
Left In: 1255.069+/-0.252 χ^2/NDF:15976.9/14

+ sign 1272.361+/-0.204 χ^2/NDF: 683986.0/31

All: 1268.933+/-0.144 χ^2/NDF: 1034141.9/65

- sign 1265.544+/-0.203 χ^2/NDF: 349592.5/33

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 981.974+/-181.442 χ^2/NDF:39.5/15

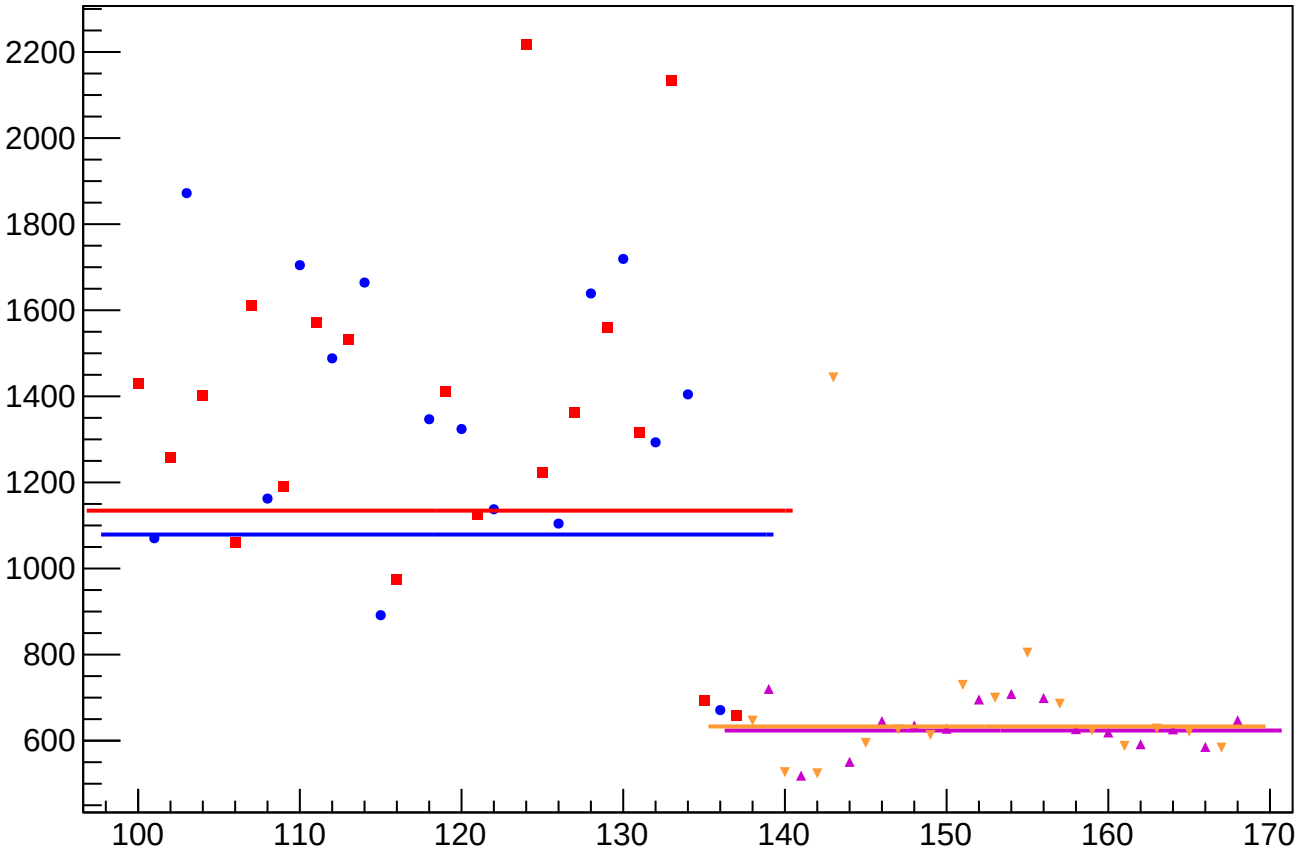
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 73.333+/-178.151 χ^2/NDF:10.3/14

+ sign 977.695+/-166.911 χ^2/NDF: 59.4/31

All: 555.153+/-117.403 χ^2/NDF: 101.8/65

- sign 141.385+/-165.169 χ^2/NDF: 29.7/33



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 633.041+/-0.128 χ^2/NDF:777246.0/15

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

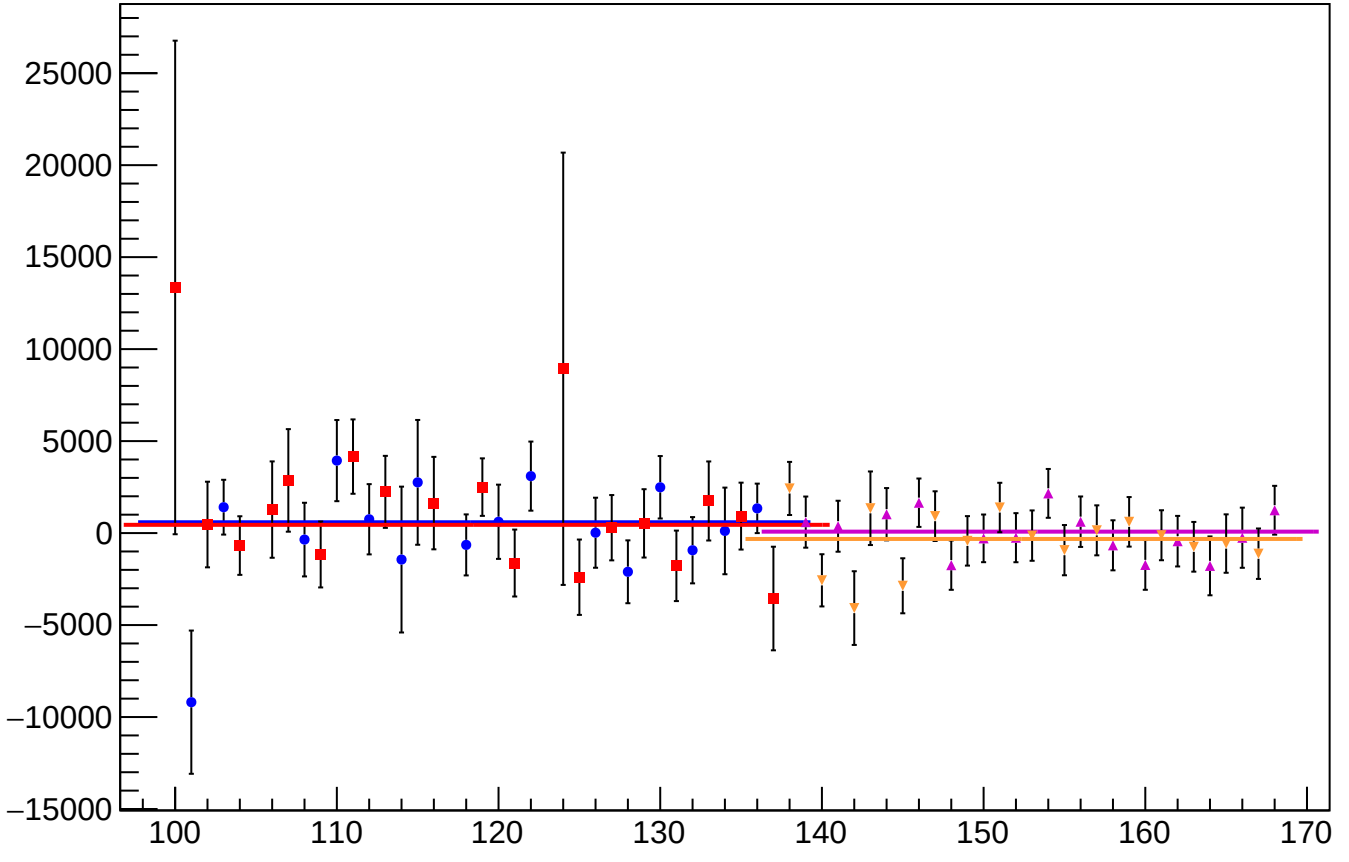
Left In: 623.645+/-0.126 χ^2/NDF:210826.9/14

+ sign 701.601+/-0.118 χ^2/NDF: 4113148.6/31

All: 698.455+/-0.083 χ^2/NDF: 7923064.9/65

- sign 695.374+/-0.117 χ^2/NDF: 3808510.0/33

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -319.546+/-358.993 χ^2/NDF:17.0/15

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

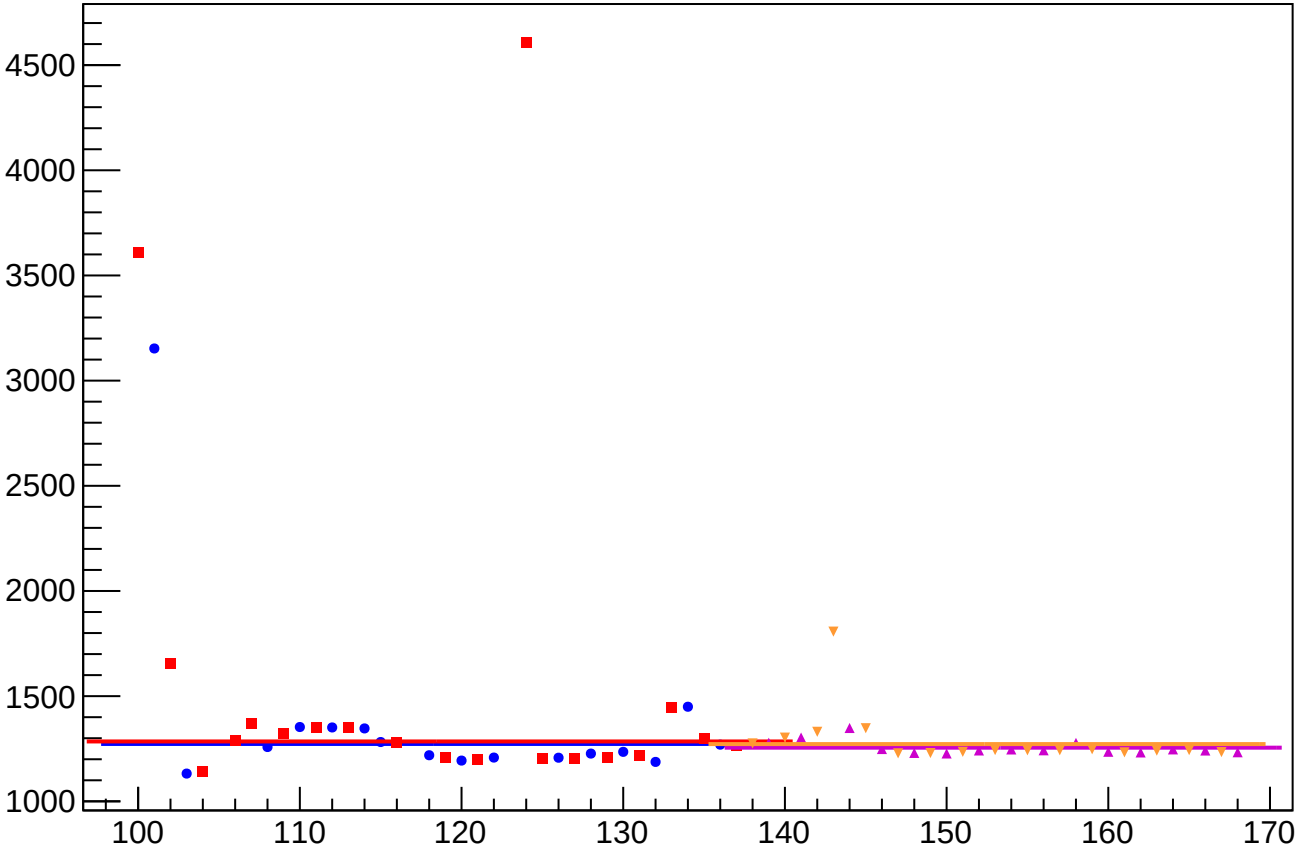
Left In: 78.060+/-356.346 χ^2/NDF:11.0/14

+ sign 3.626+/-288.004 χ^2/NDF: 36.3/31

All: 106.977+/-203.080 χ^2/NDF: 64.8/65

- sign 209.181+/-286.400 χ^2/NDF: 28.2/33

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: 1272.115+/-0.254 χ^2/NDF:164683.8/15

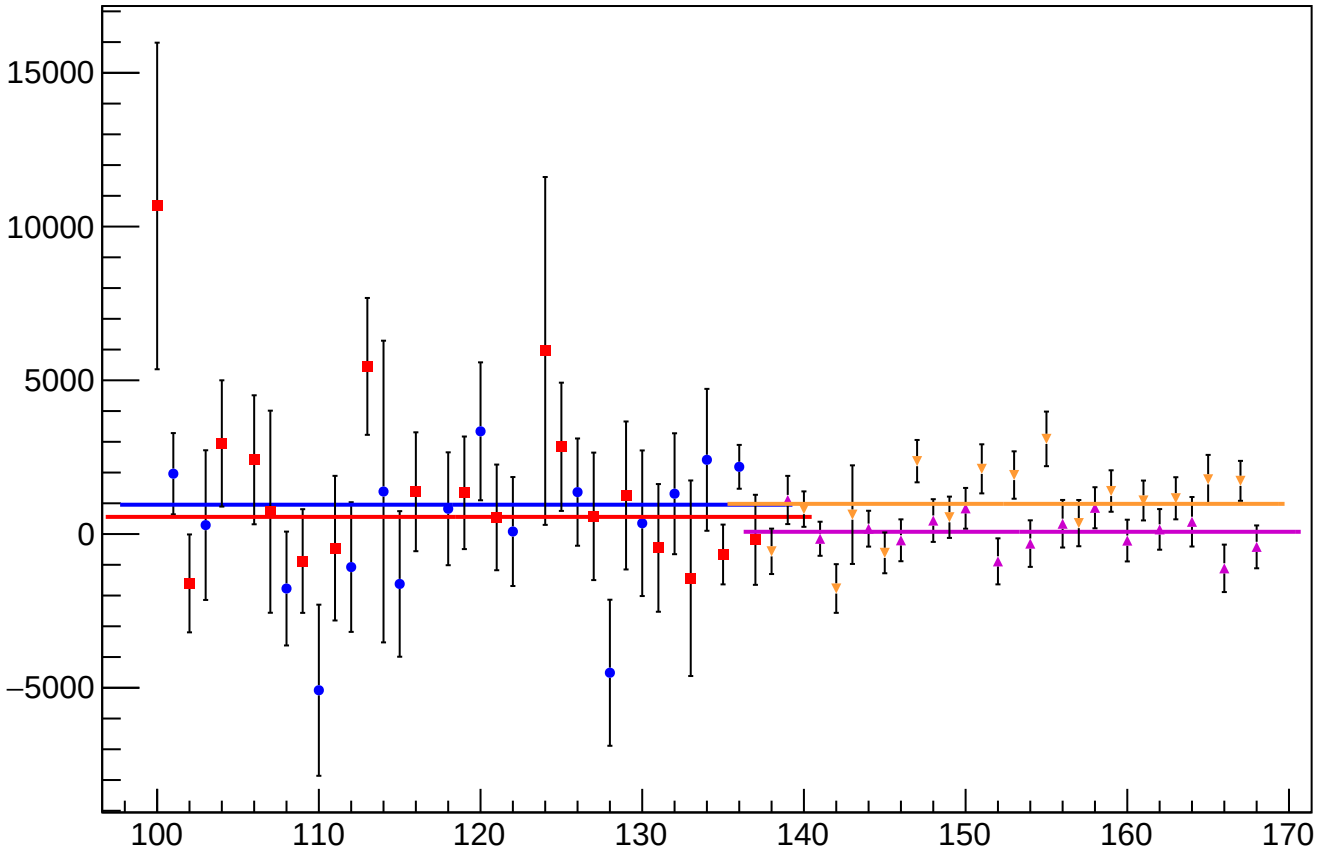
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1255.069+/-0.252 χ^2/NDF:15976.9/14

+ sign 1272.361+/-0.204 χ^2/NDF: 683986.0/31

All: 1268.933+/-0.144 χ^2/NDF: 1034141.9/65

- sign 1265.544+/-0.203 χ^2/NDF: 349592.5/33



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 981.974+/-181.442 χ^2/NDF:39.5/15

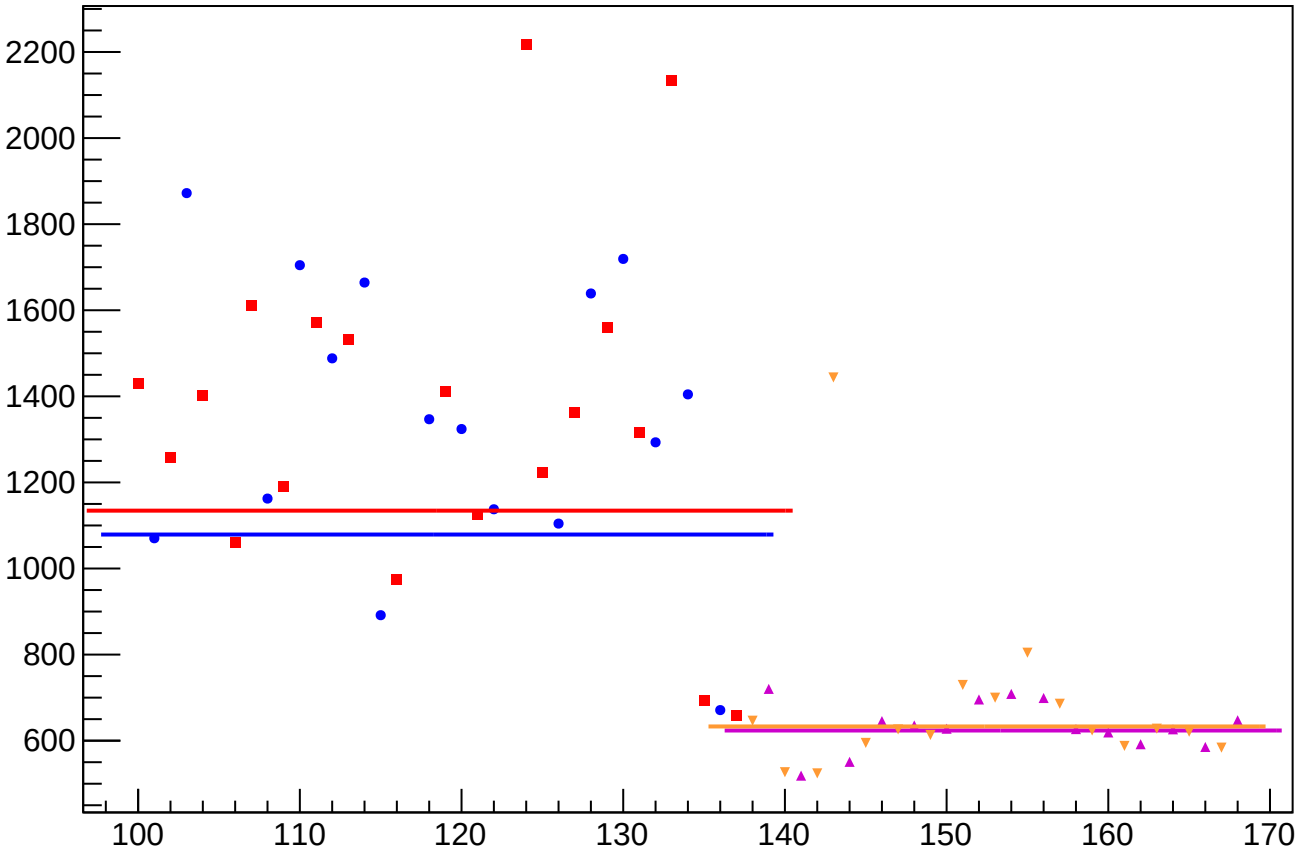
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 73.333+/-178.151 χ^2/NDF:10.3/14

+ sign 977.695+/-166.911 χ^2/NDF: 59.4/31

All: 555.153+/-117.403 χ^2/NDF: 101.8/65

- sign 141.385+/-165.169 χ^2/NDF: 29.7/33



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 633.041+/-0.128 χ^2/NDF:777246.0/15

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

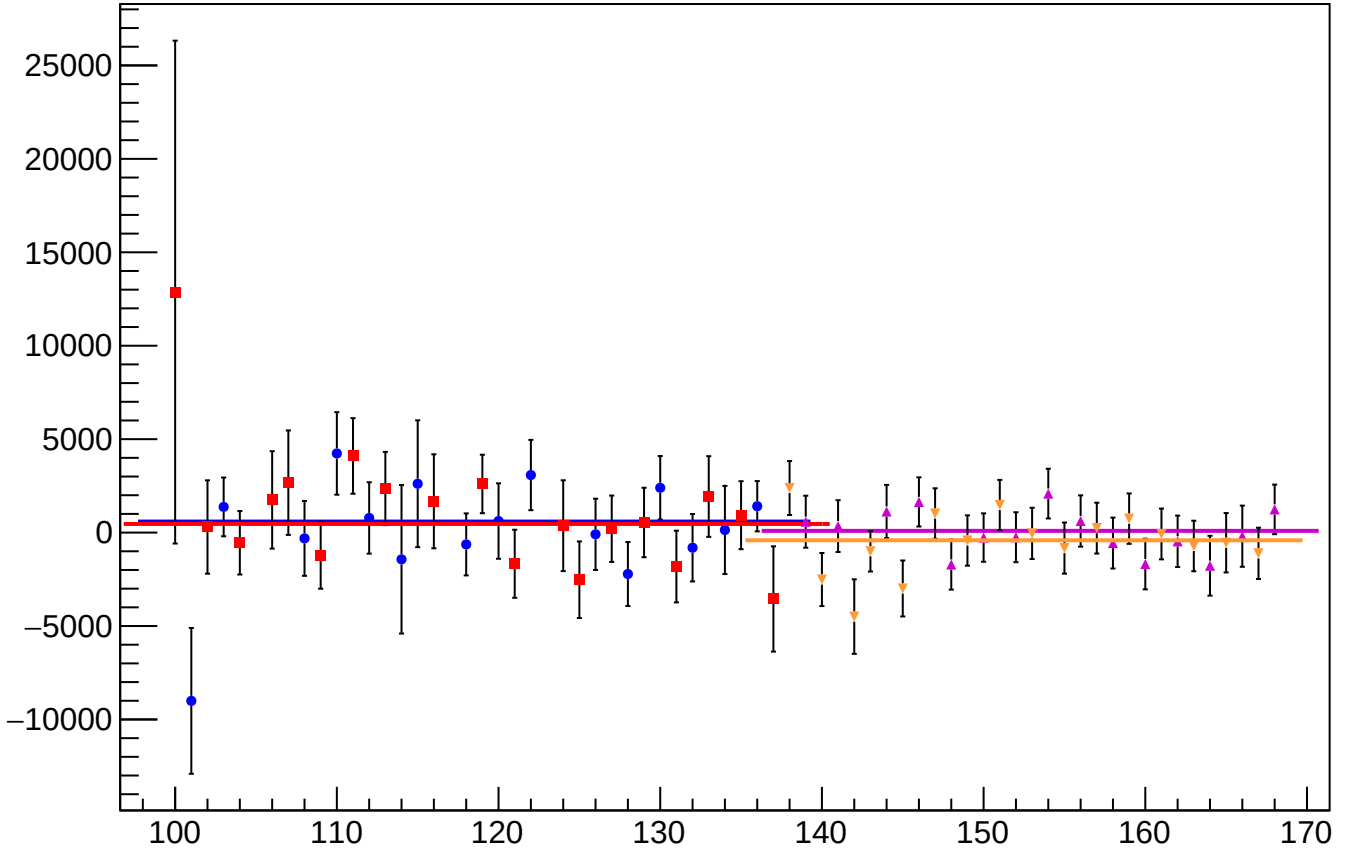
Left In: 623.645+/-0.126 χ^2/NDF:210826.9/14

\+ sign 701.601+/-0.118 χ^2/NDF: 4113148.6/31

All: 698.455+/-0.083 χ^2/NDF: 7923064.9/65

\- sign 695.374+/-0.117 χ^2/NDF: 3808510.0/33

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -411.517+/-346.050 χ^2/NDF:18.0/15

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

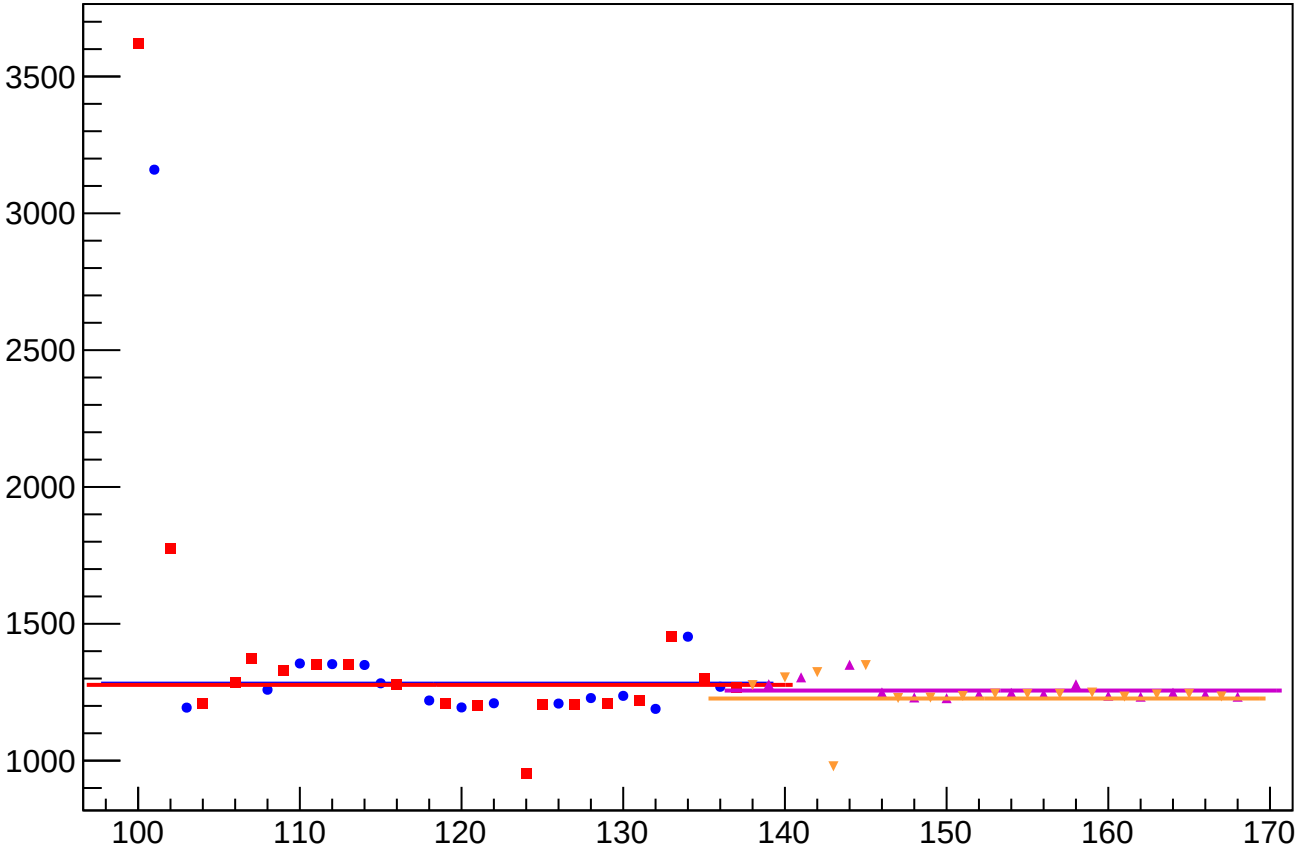
Left In: 92.917+/-356.647 χ^2/NDF:10.7/14

+ sign -73.993+/-281.791 χ^2/NDF: 37.9/31

All: 73.774+/-200.586 χ^2/NDF: 66.2/65

- sign 225.552+/-285.590 χ^2/NDF: 27.7/33

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.988+/-0.245 χ^2/NDF:132788.9/15

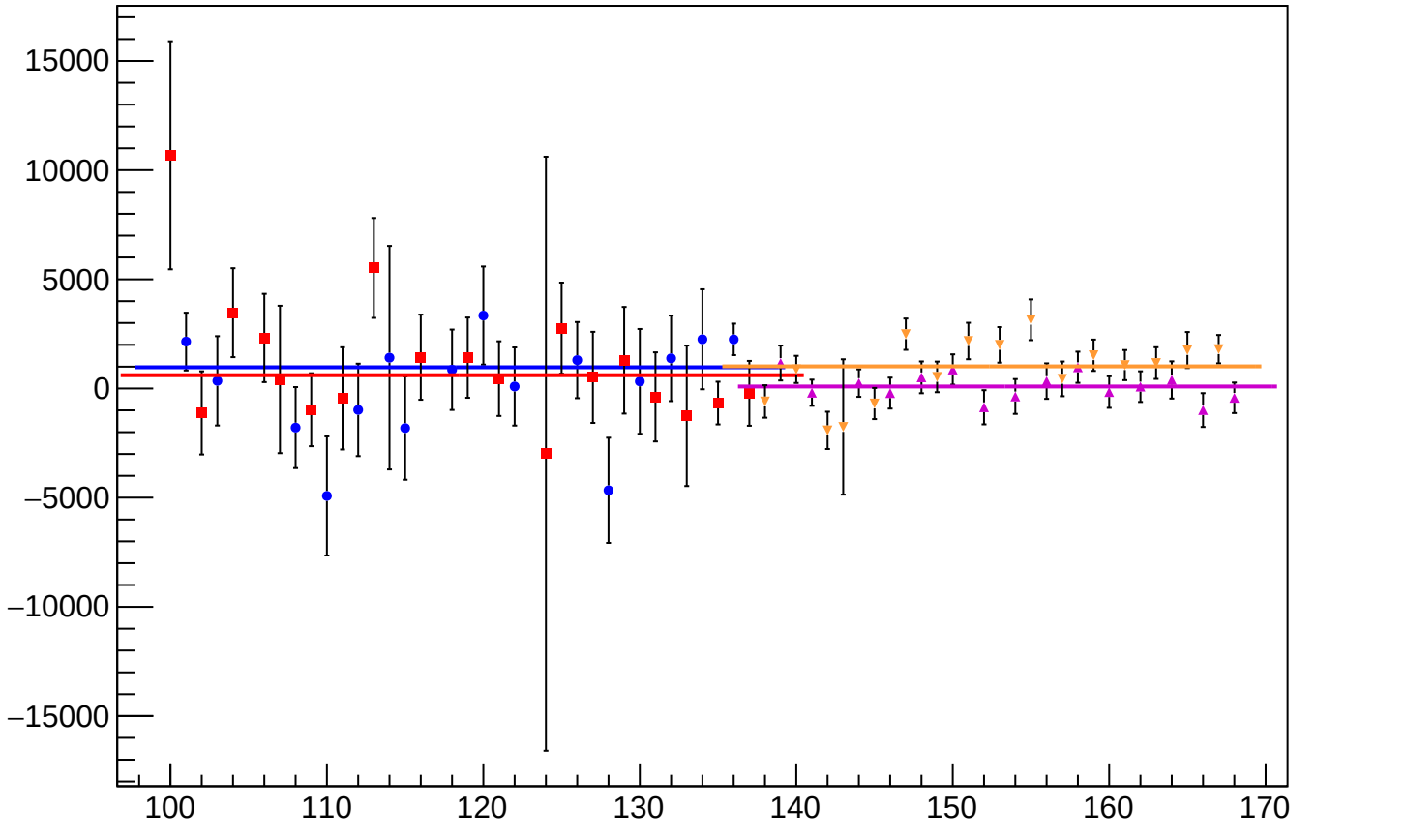
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1256.125+/-0.252 χ^2/NDF:16096.9/14

+ sign 1245.309+/-0.199 χ^2/NDF: 656506.9/31

All: 1254.315+/-0.142 χ^2/NDF: 899683.3/65

- sign 1263.564+/-0.202 χ^2/NDF: 239036.0/33



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 1013.965+/-191.416 χ^2/NDF:39.7/15

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

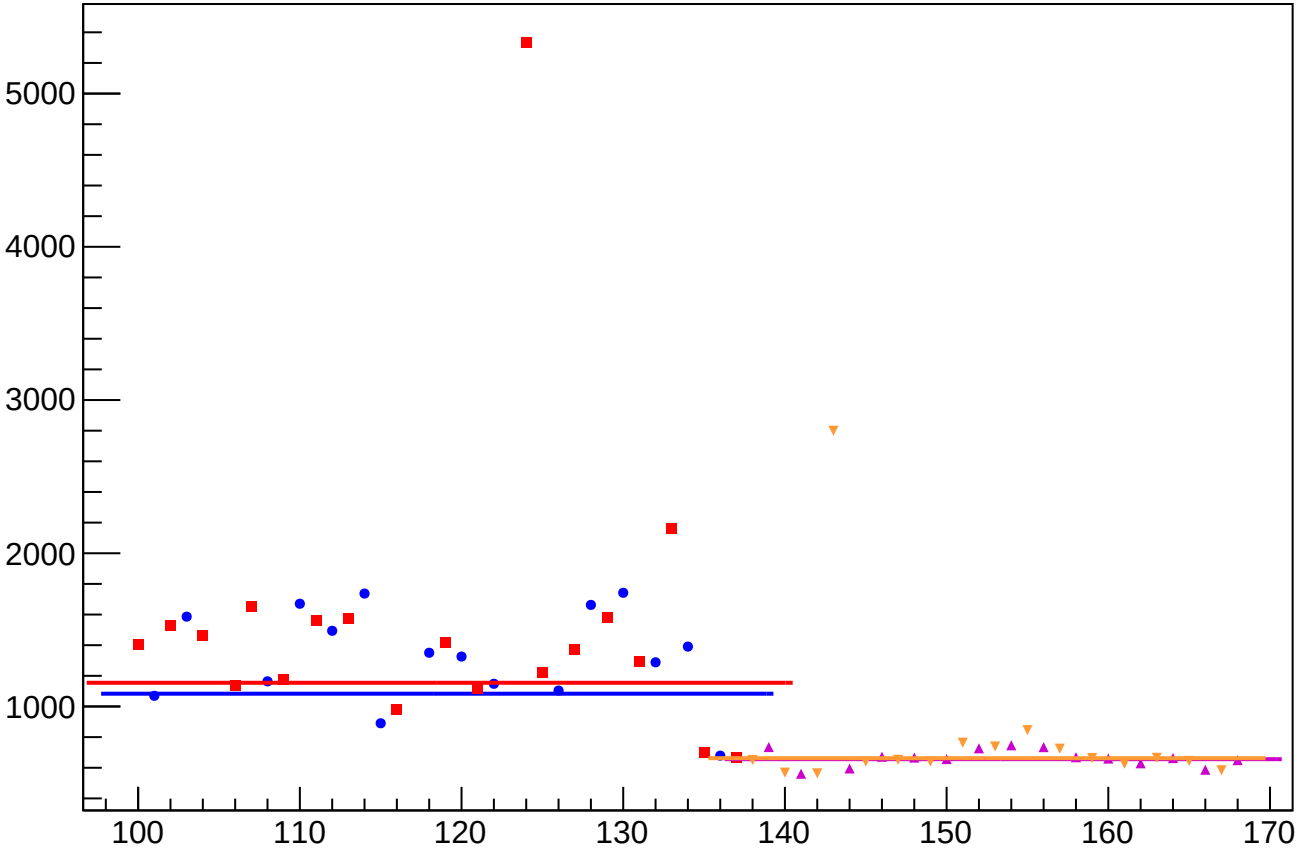
Left In: 90.325+/-187.197 χ^2/NDF:10.0/14

+ sign 1006.942+/-174.546 χ^2/NDF: 60.2/31

All: 582.739+/-122.768 χ^2/NDF: 100.2/65

- sign 167.417+/-172.709 χ^2/NDF: 28.3/33

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: 662.334+/-0.135 χ^2/NDF:1200765.2/15

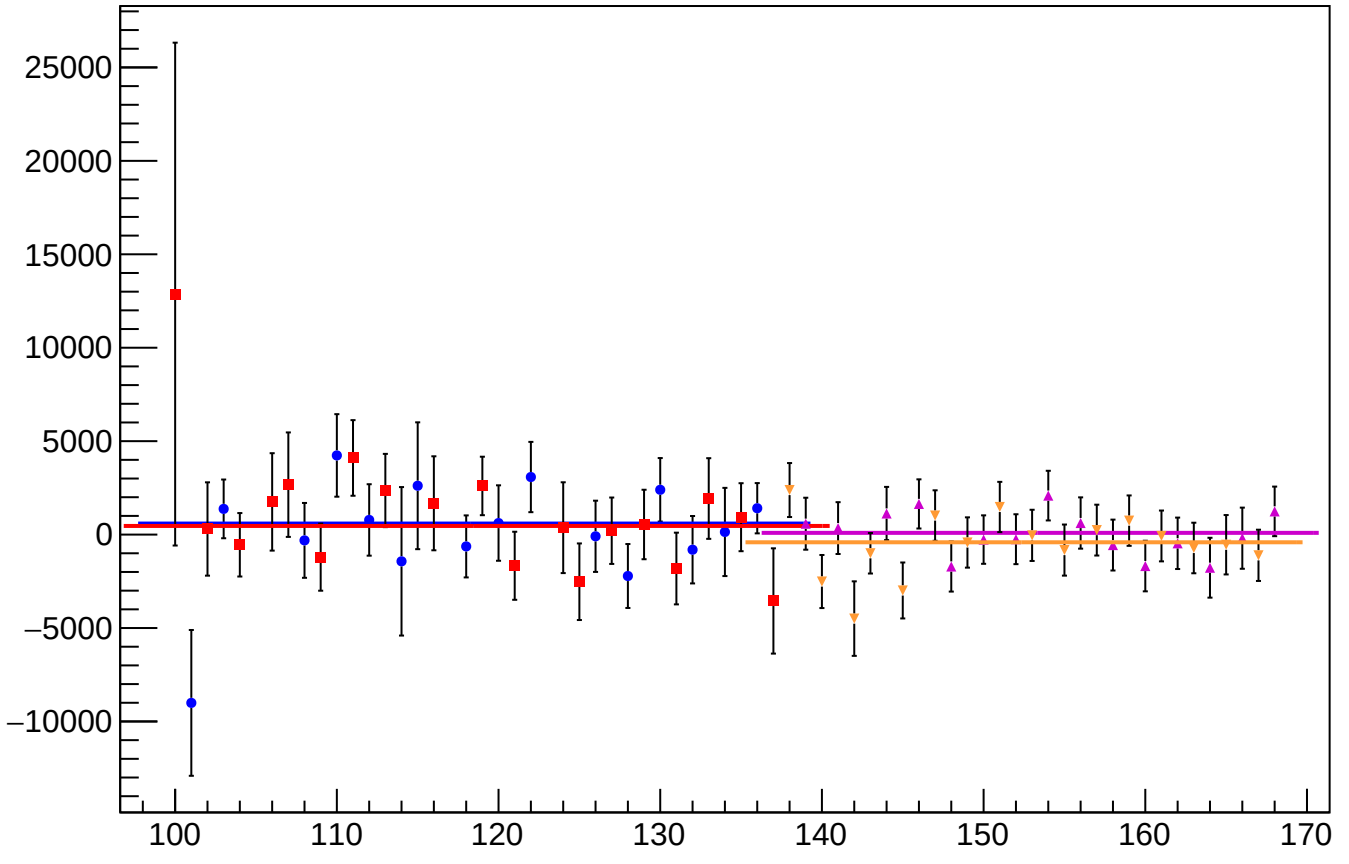
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 656.018+/-0.132 χ^2/NDF:170758.2/14

+ sign 733.272+/-0.123 χ^2/NDF: 4191090.0/31

All: 731.731+/-0.087 χ^2/NDF: 7962559.3/65

- sign 730.223+/-0.122 χ^2/NDF: 3771160.9/33



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -411.519+/-346.051 χ^2/NDF:18.0/15

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

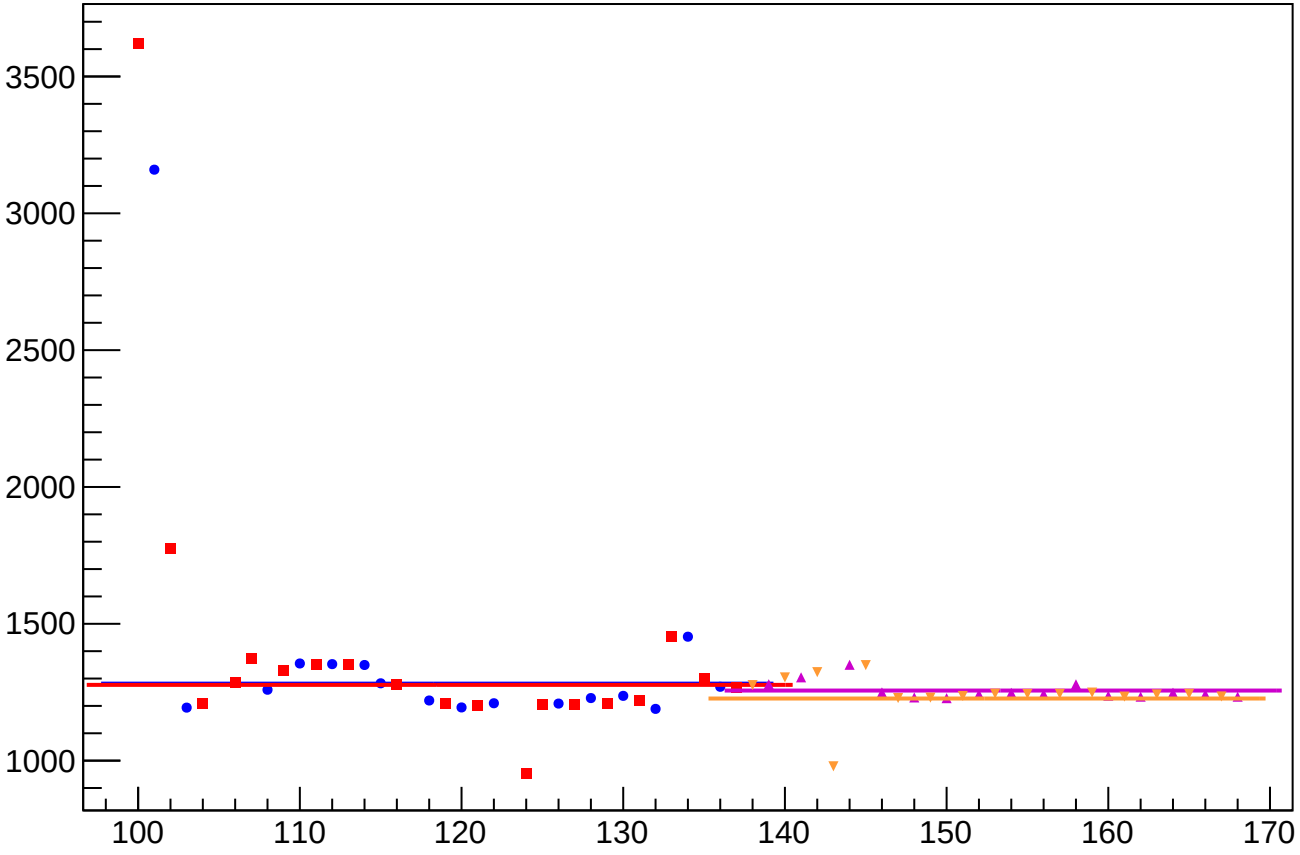
Left In: 92.916+/-356.647 χ^2/NDF:10.7/14

+ sign -73.993+/-281.791 χ^2/NDF: 37.9/31

All: 73.773+/-200.586 χ^2/NDF: 66.2/65

- sign 225.552+/-285.590 χ^2/NDF: 27.7/33

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: 1226.989+/-0.245 χ^2/NDF:132788.2/15

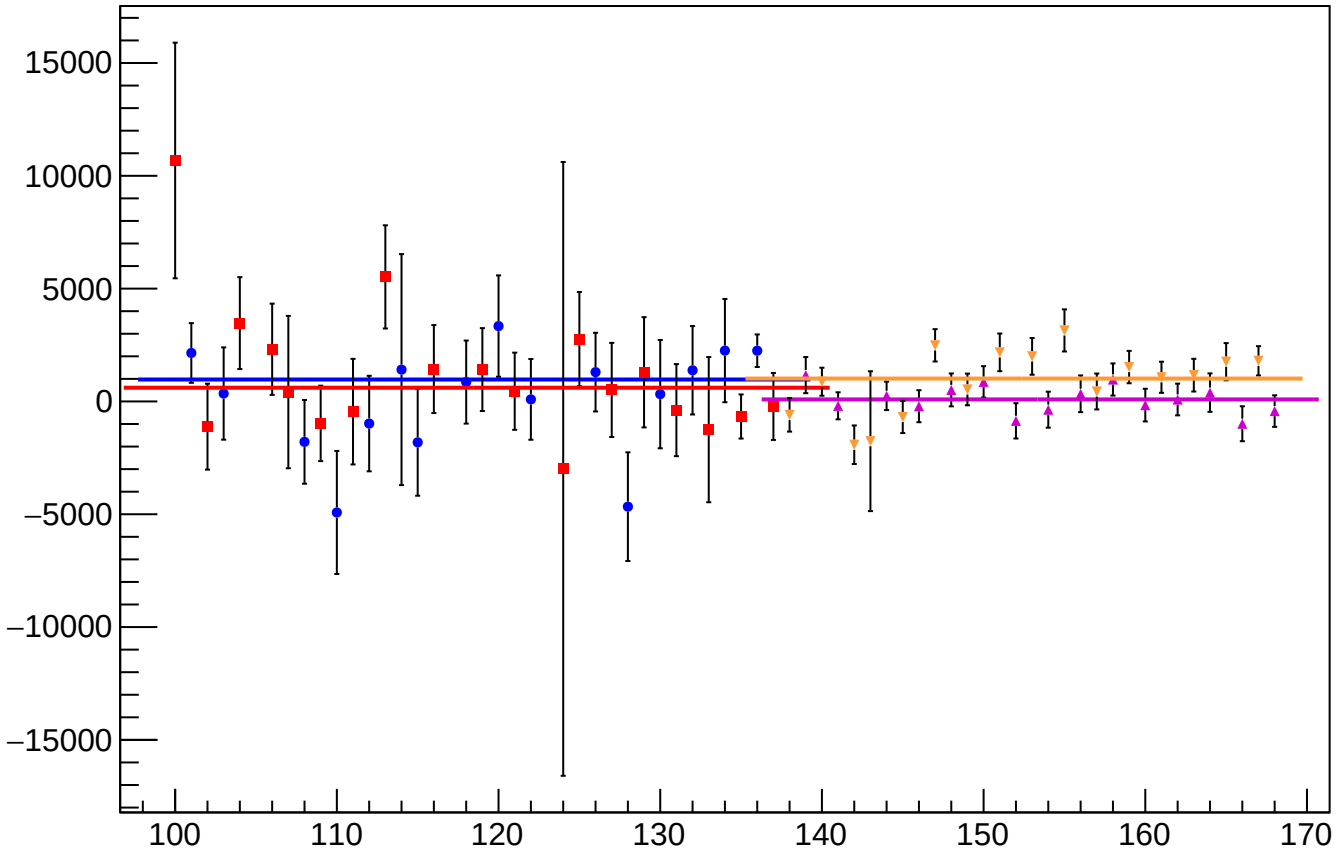
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1256.125+/-0.252 χ^2/NDF:16096.9/14

+ sign 1245.310+/-0.199 χ^2/NDF: 656506.2/31

All: 1254.315+/-0.142 χ^2/NDF: 899682.4/65

- sign 1263.564+/-0.202 χ^2/NDF: 239035.9/33



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 1013.967+/-191.416 χ^2/NDF:39.7/15

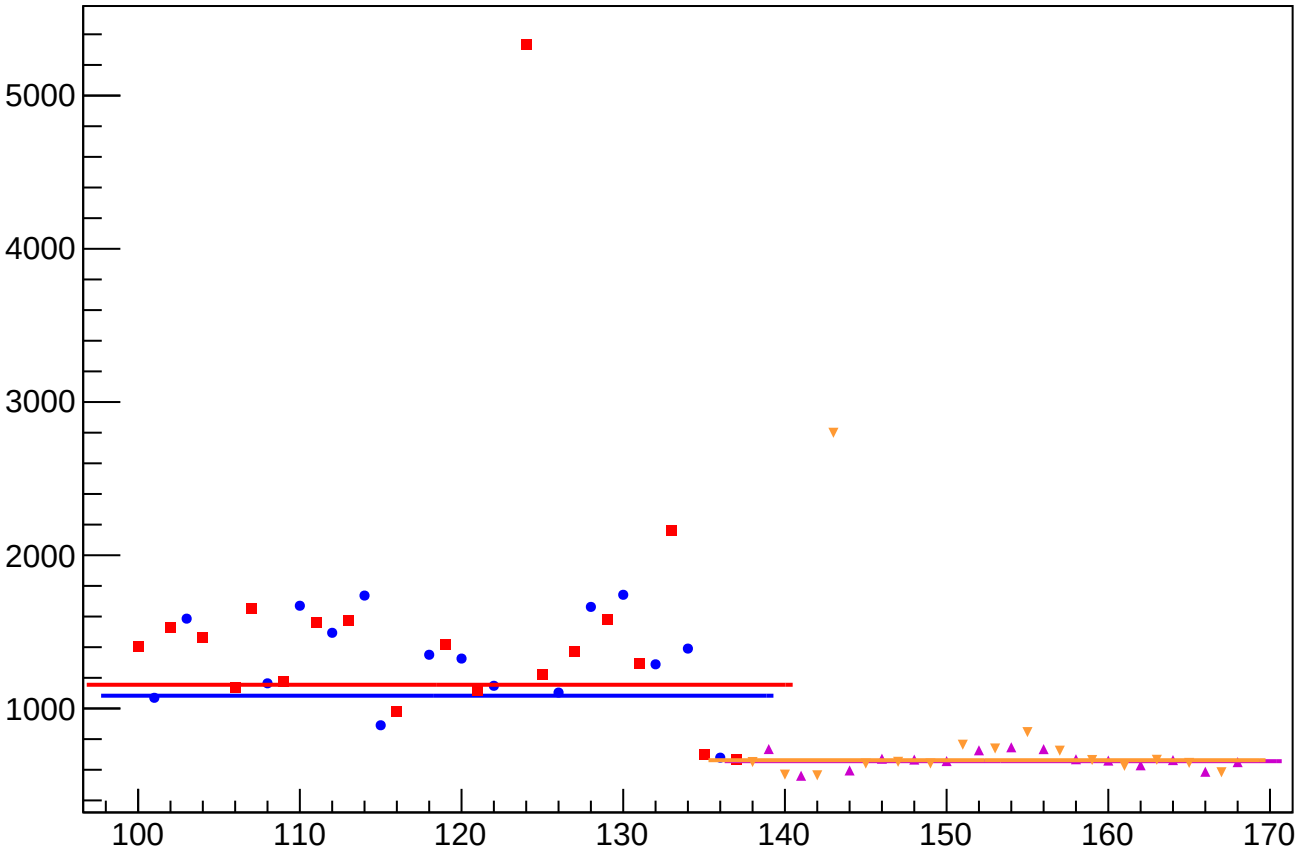
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 90.323+/-187.197 χ^2/NDF:10.0/14

+ sign 1006.943+/-174.546 χ^2/NDF: 60.2/31

All: 582.739+/-122.768 χ^2/NDF: 100.2/65

- sign 167.416+/-172.709 χ^2/NDF: 28.3/33



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 662.335+/-0.135 χ^2/NDF:1200760.3/15

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

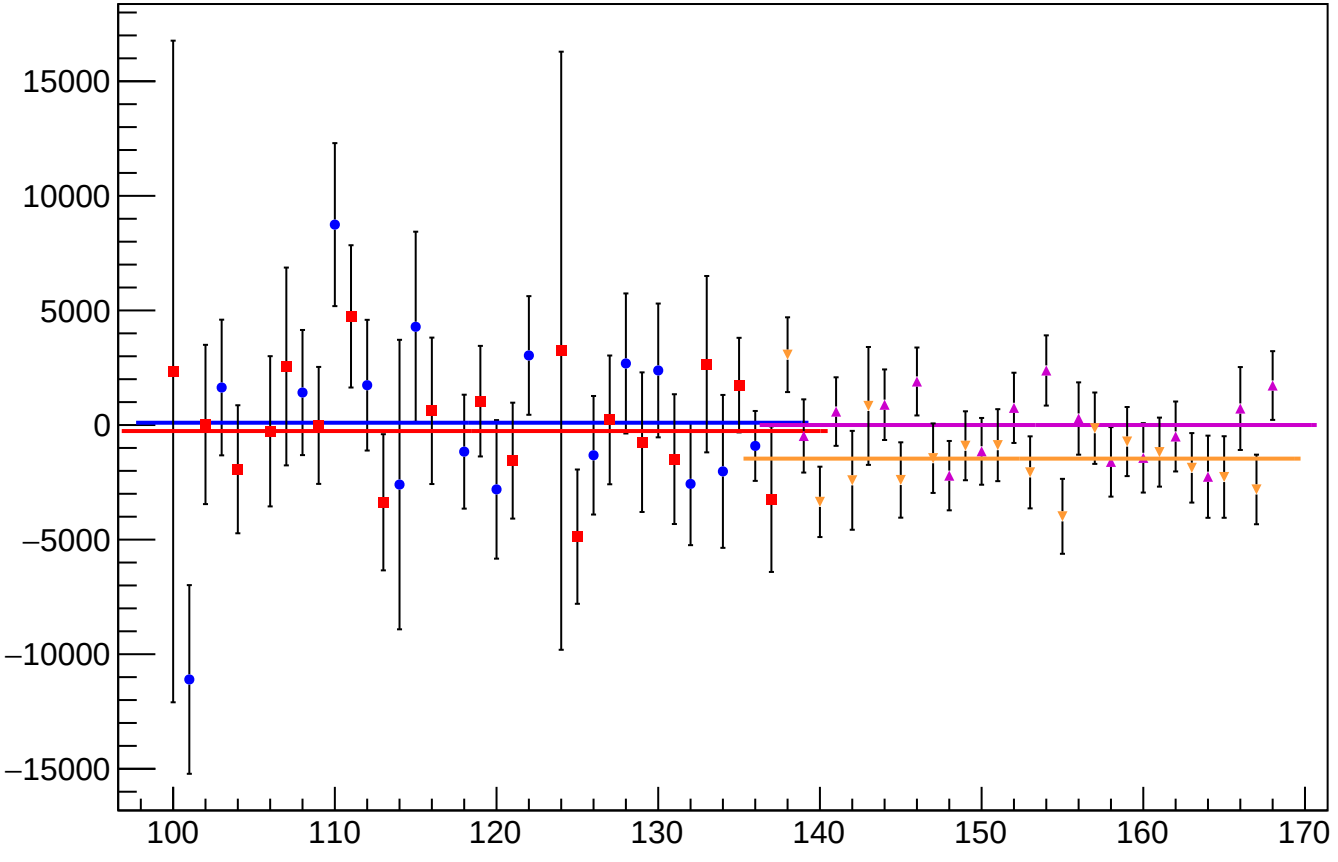
Left In: 656.017+/-0.132 χ^2/NDF:170761.7/14

+ sign 733.273+/-0.123 χ^2/NDF: 4191063.8/31

All: 731.732+/-0.087 χ^2/NDF: 7962535.2/65

- sign 730.223+/-0.122 χ^2/NDF: 3771162.8/33

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1465.663+/-405.730 χ^2/NDF:15.4/15

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

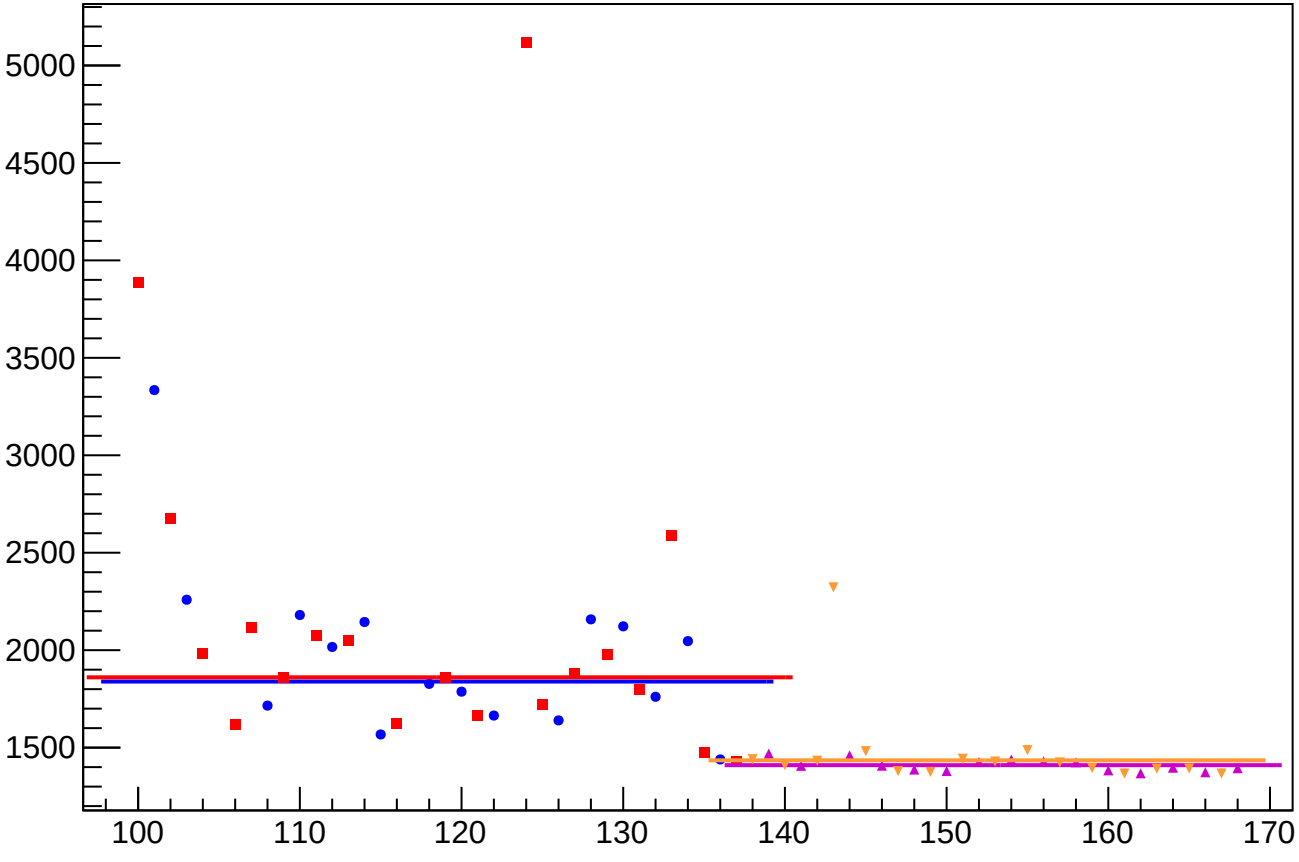
Left In: 0.519+/-400.350 χ^2/NDF:12.8/14

+ sign -1070.973+/-350.900 χ^2/NDF: 40.5/31

All: -562.779+/-246.910 χ^2/NDF: 67.9/65

- sign -64.405+/-347.493 χ^2/NDF: 23.3/33

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1434.806+/-0.287 χ^2/NDF:260489.2/15

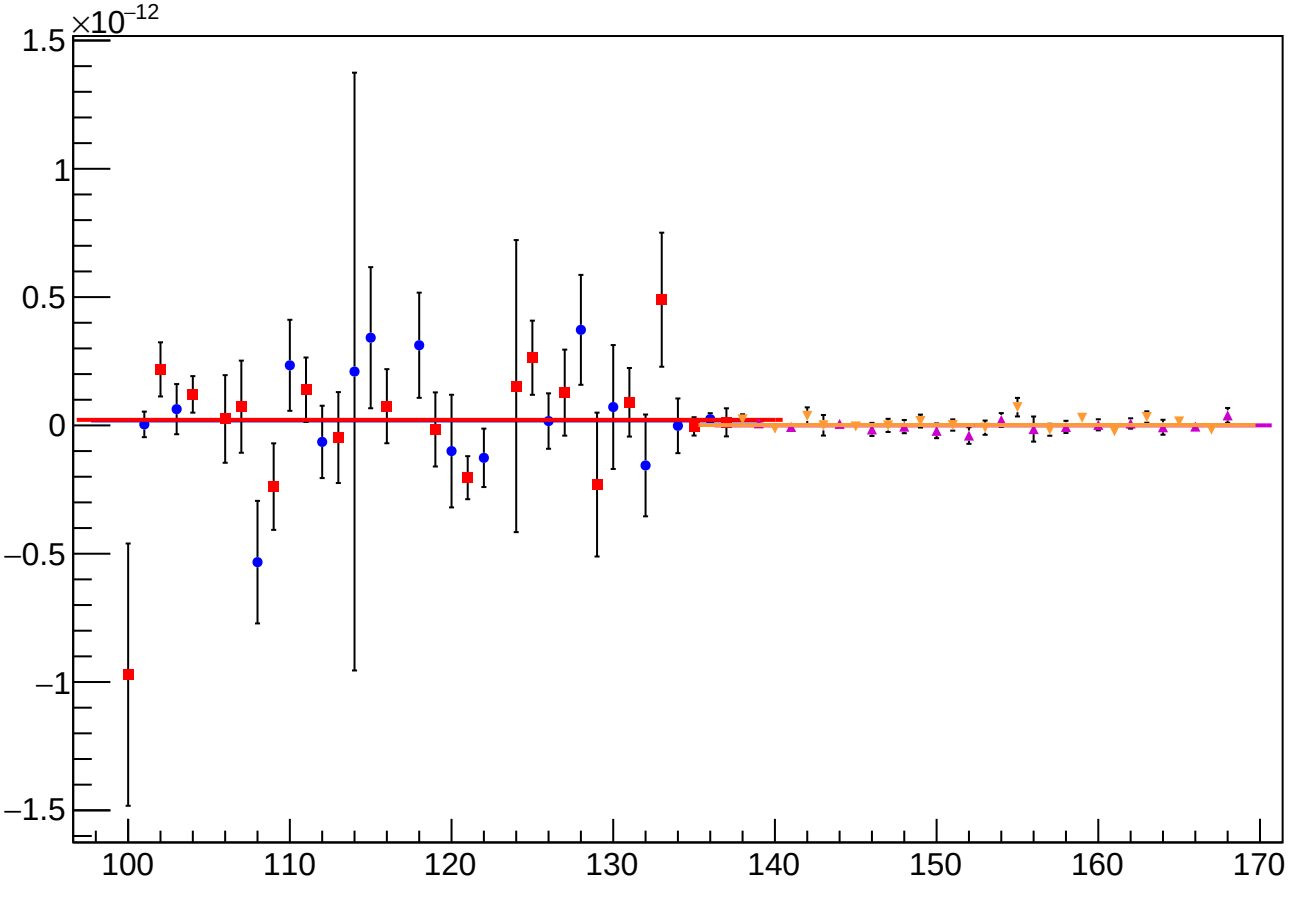
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1410.081+/-0.283 χ^2/NDF:10863.4/14

+ sign 1536.699+/-0.248 χ^2/NDF: 1317724.5/31

All: 1528.889+/-0.175 χ^2/NDF: 2477719.1/65

- sign 1521.230+/-0.246 χ^2/NDF: 1158032.3/33



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

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/15

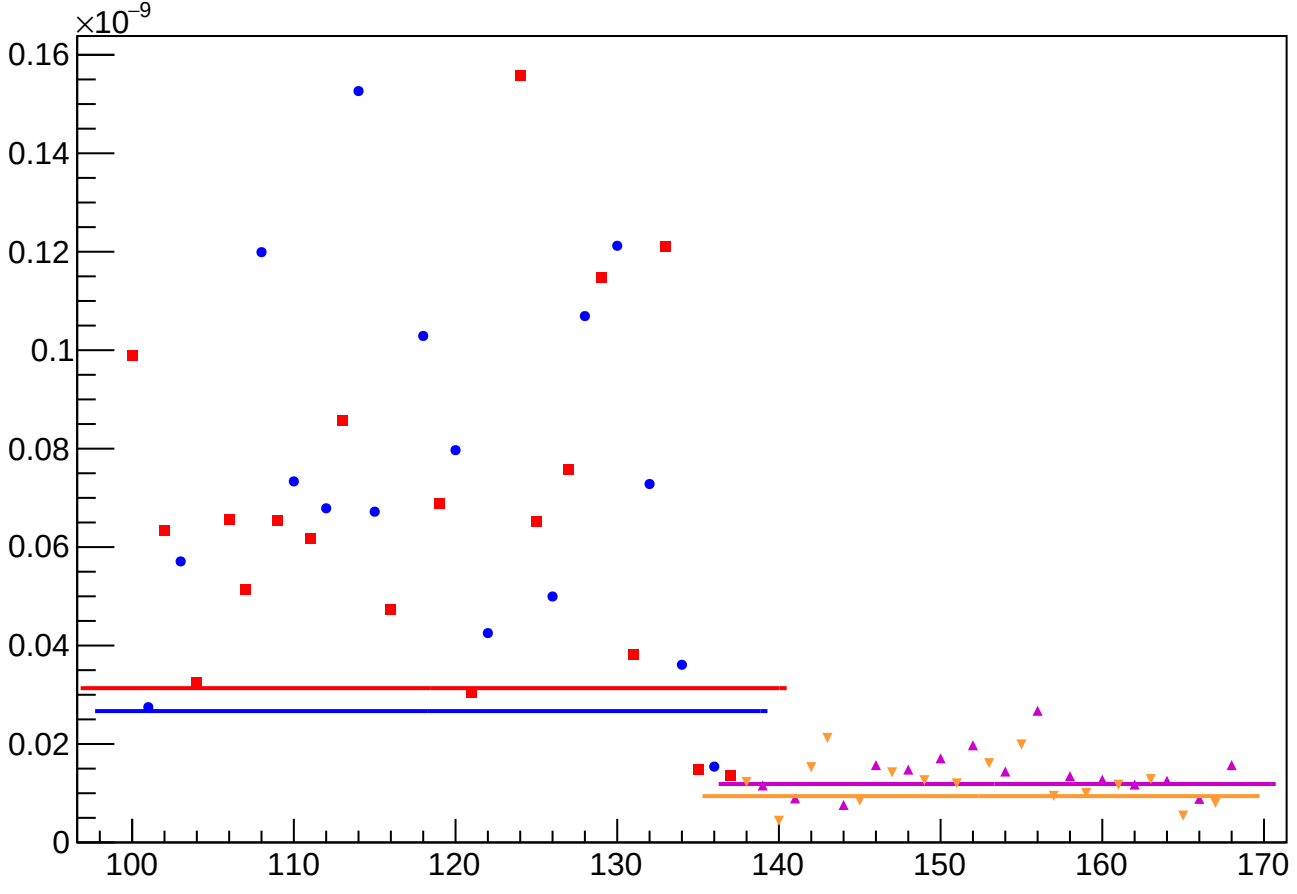
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 34.4/31

All: 0.000+/-0.000 χ^2/NDF: 69.3/65

- sign 0.000+/-0.000 χ^2/NDF: 34.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1356581.6/15

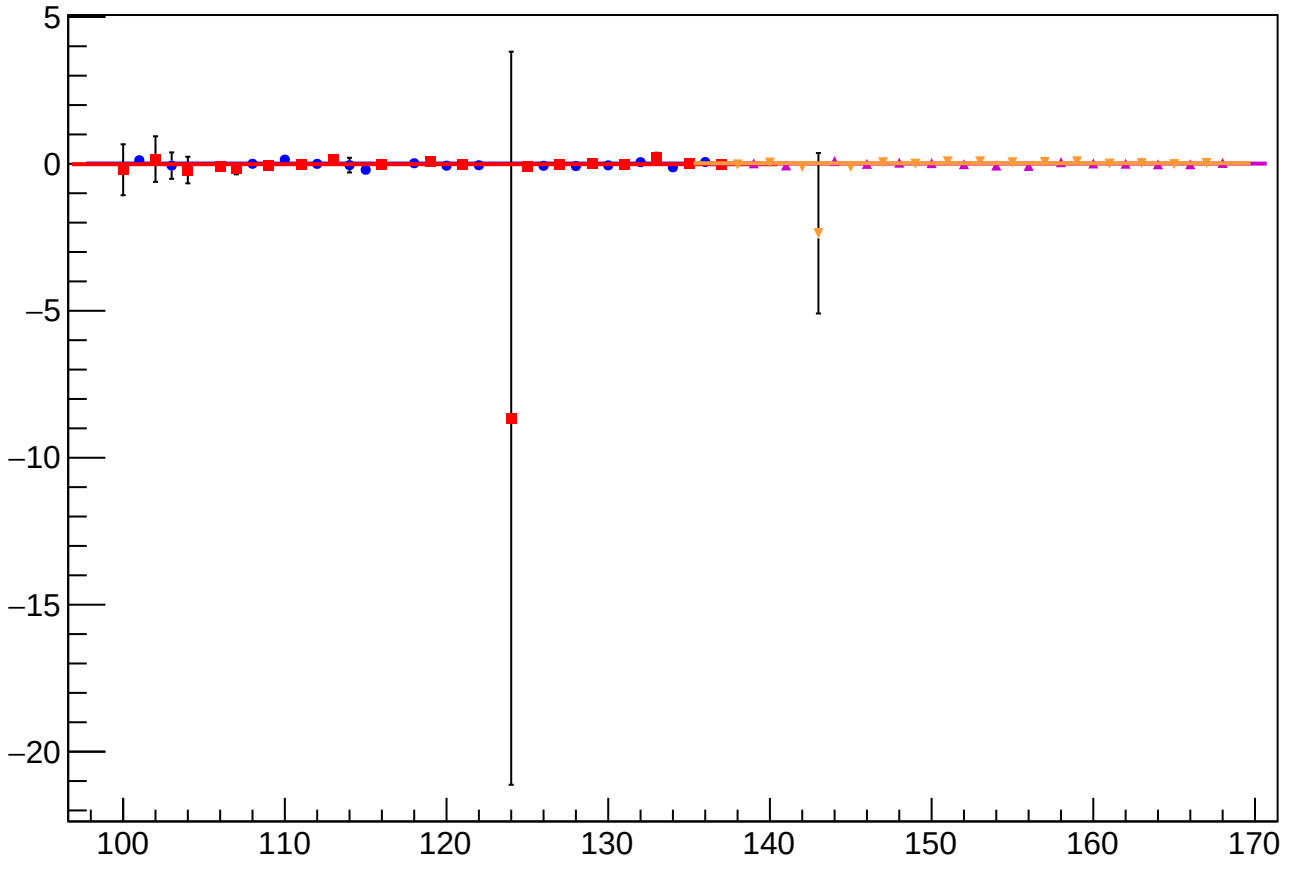
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:824887.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 5517736.9/31

All: 0.000+/-0.000 χ^2/NDF: 10299942.4/65

- sign 0.000+/-0.000 χ^2/NDF: 4531377.4/33



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

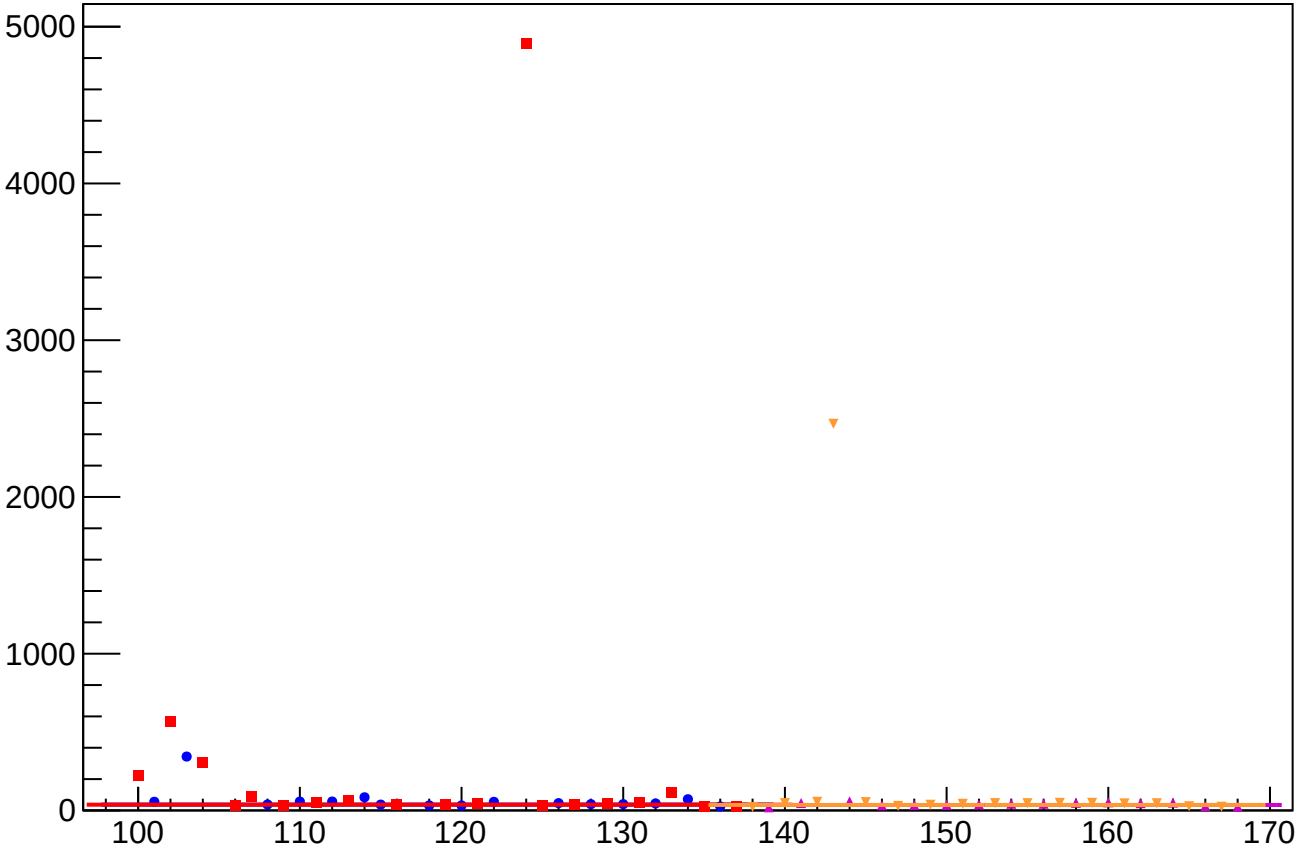
Left In: 0.008+/-0.011 χ^2/NDF:10.7/14

+ sign 0.016+/-0.009 χ^2/NDF: 36.6/31

All: 0.009+/-0.007 χ^2/NDF: 62.2/65

- sign 0.002+/-0.009 χ^2/NDF: 24.4/33

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: 35.065+/-0.008 χ^2/NDF:3479952.0/15

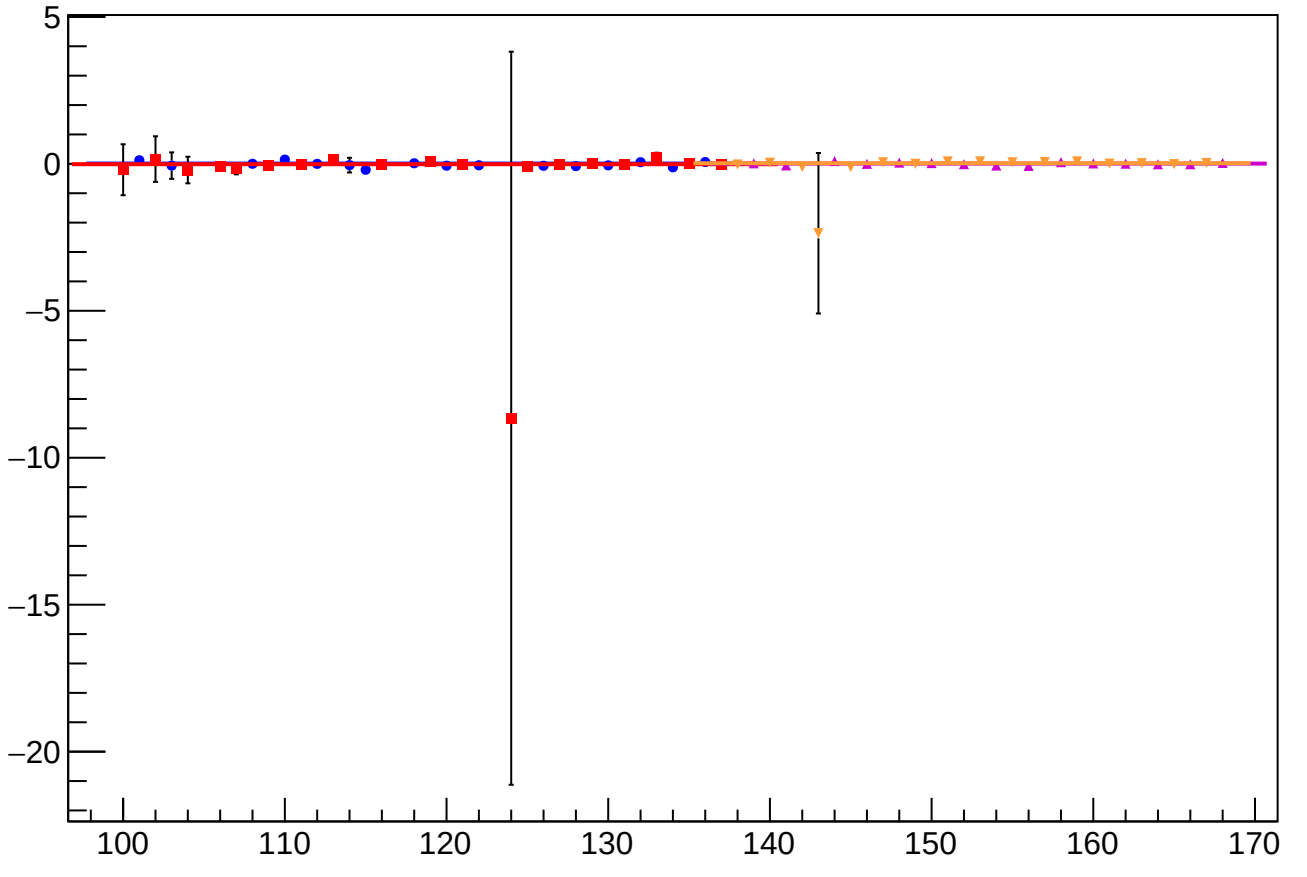
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.882+/-0.008 χ^2/NDF:1867153.7/14

+ sign 35.868+/-0.007 χ^2/NDF: 5493797.7/31

All: 35.660+/-0.005 χ^2/NDF: 10571563.8/65

- sign 35.456+/-0.006 χ^2/NDF: 5075761.9/33



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

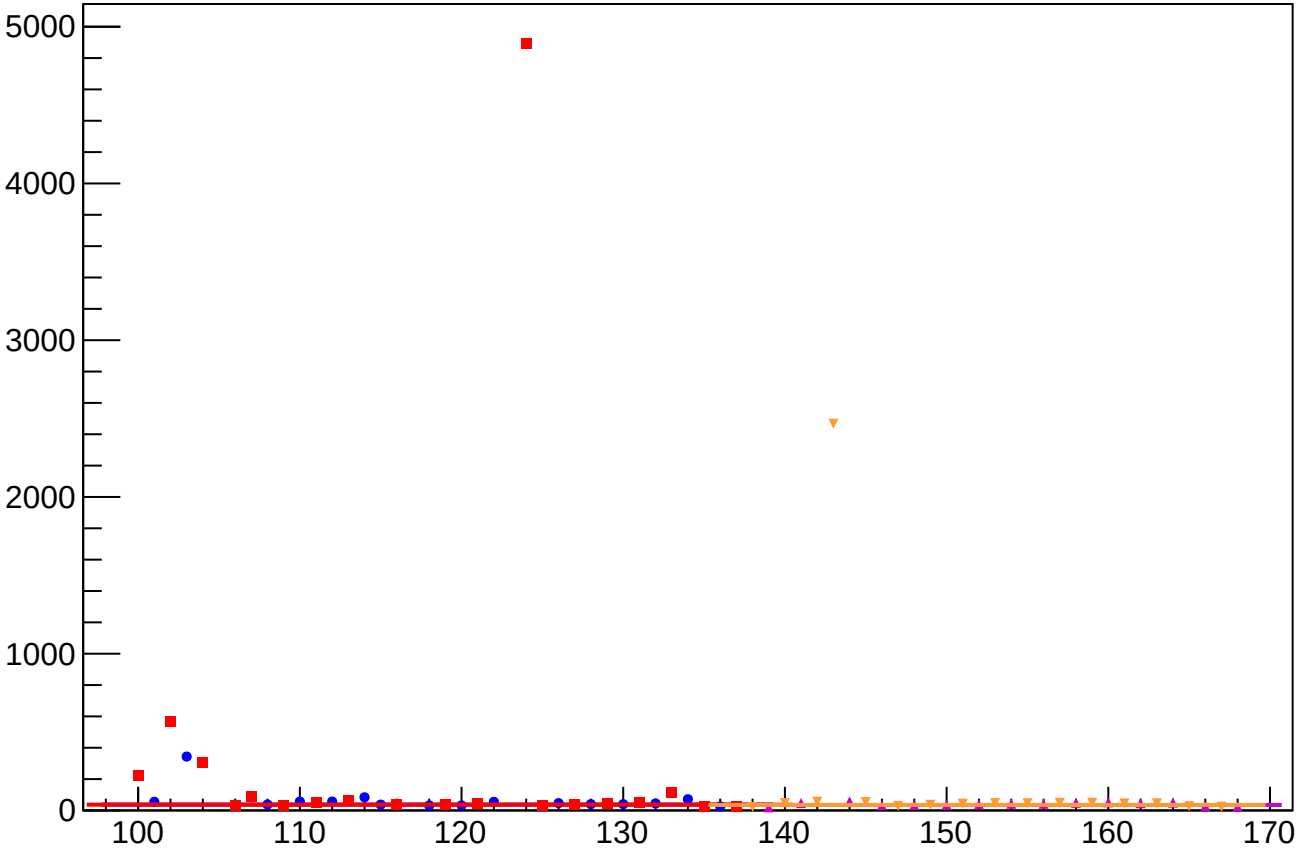
Left In: 0.008+/-0.011 χ^2/NDF:10.7/14

+ sign 0.016+/-0.009 χ^2/NDF: 36.6/31

All: 0.009+/-0.007 χ^2/NDF: 62.2/65

- sign 0.002+/-0.009 χ^2/NDF: 24.4/33

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 35.065+/-0.008 χ^2/NDF:3479952.0/15

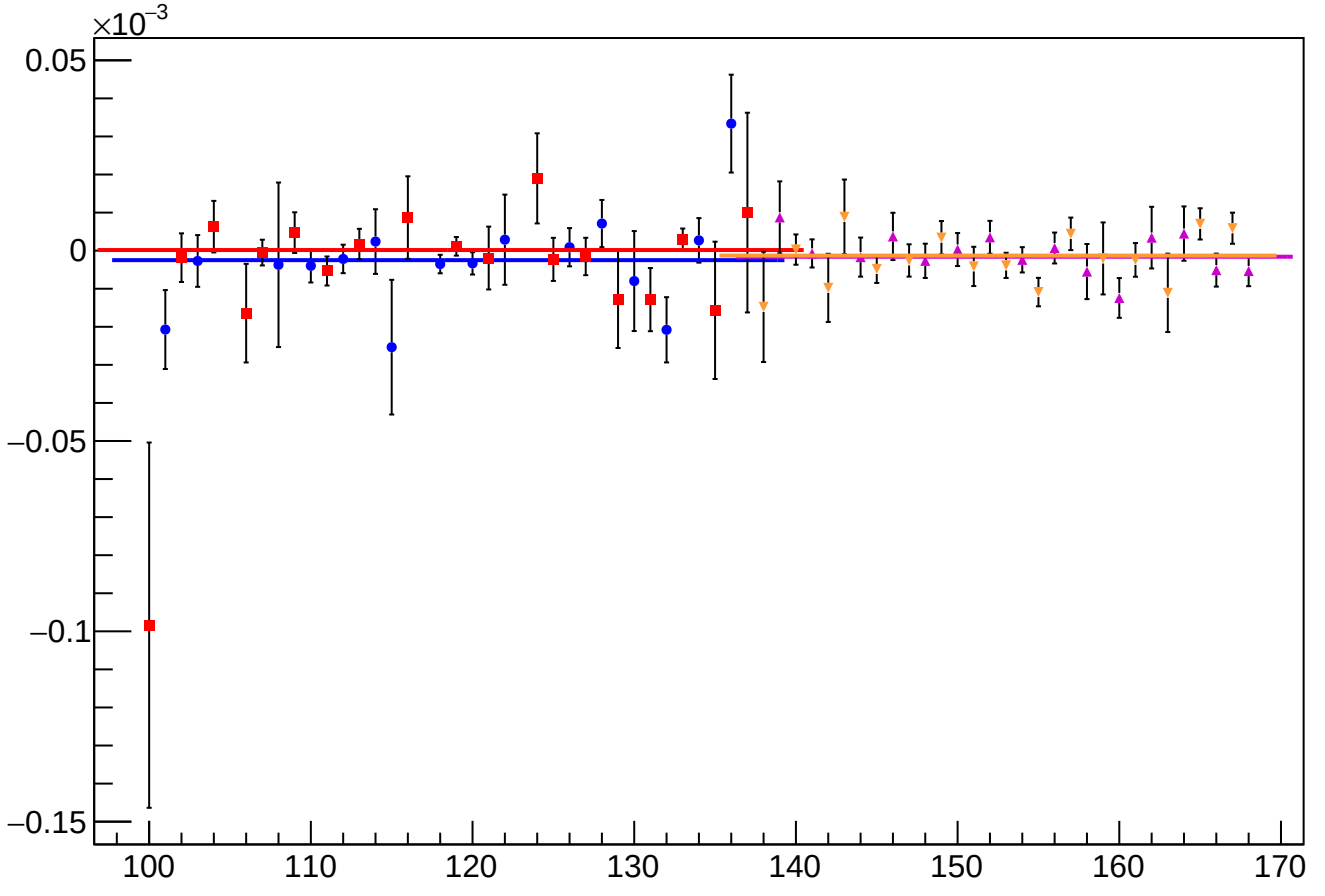
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.882+/-0.008 χ^2/NDF:1867153.7/14

+ sign 35.868+/-0.007 χ^2/NDF: 5493797.7/31

All: 35.660+/-0.005 χ^2/NDF: 10571563.8/65

- sign 35.456+/-0.006 χ^2/NDF: 5075761.9/33



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/15

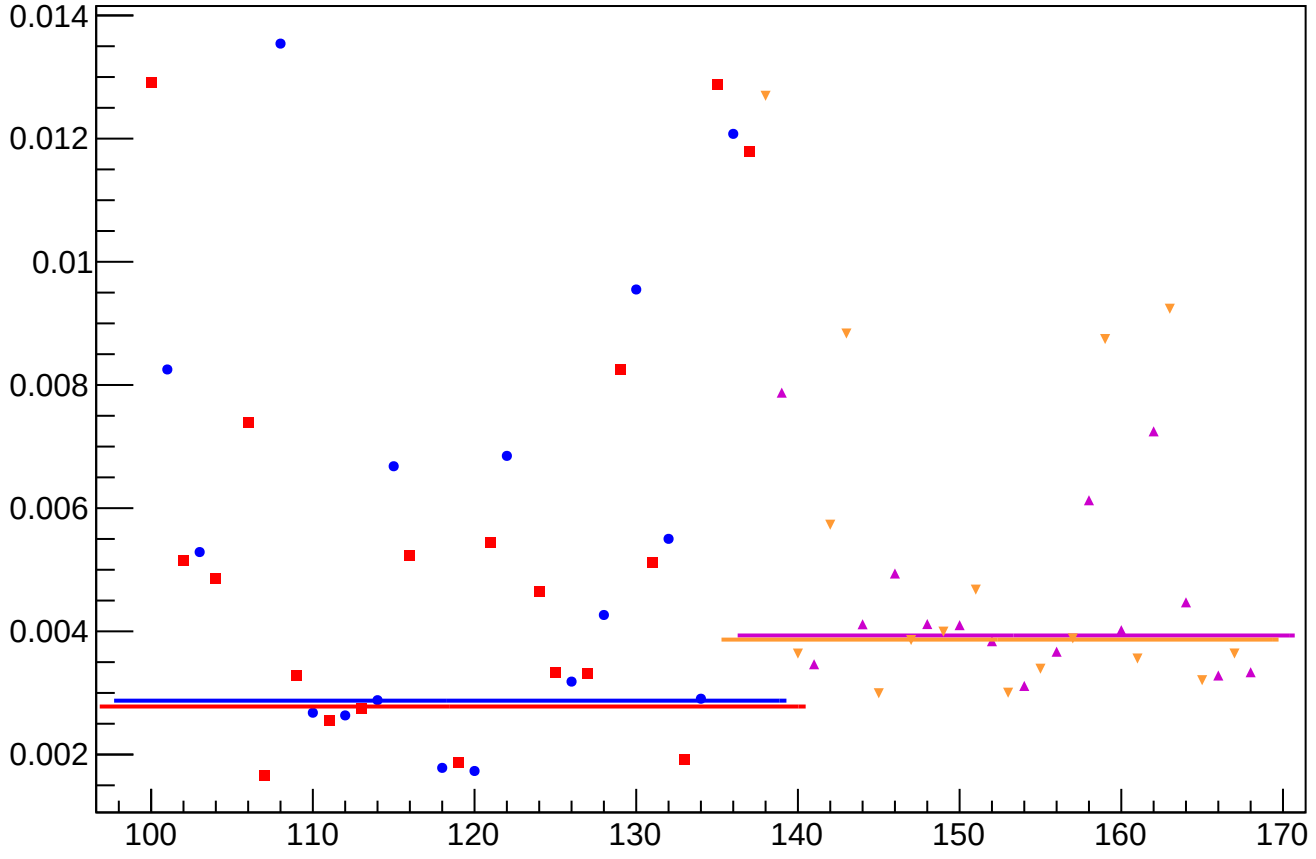
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:11.3/14

+ sign -0.000+/-0.000 χ^2/NDF: 44.9/31

All: -0.000+/-0.000 χ^2/NDF: 77.0/65

- sign -0.000+/-0.000 χ^2/NDF: 31.2/33



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2824920.6/15

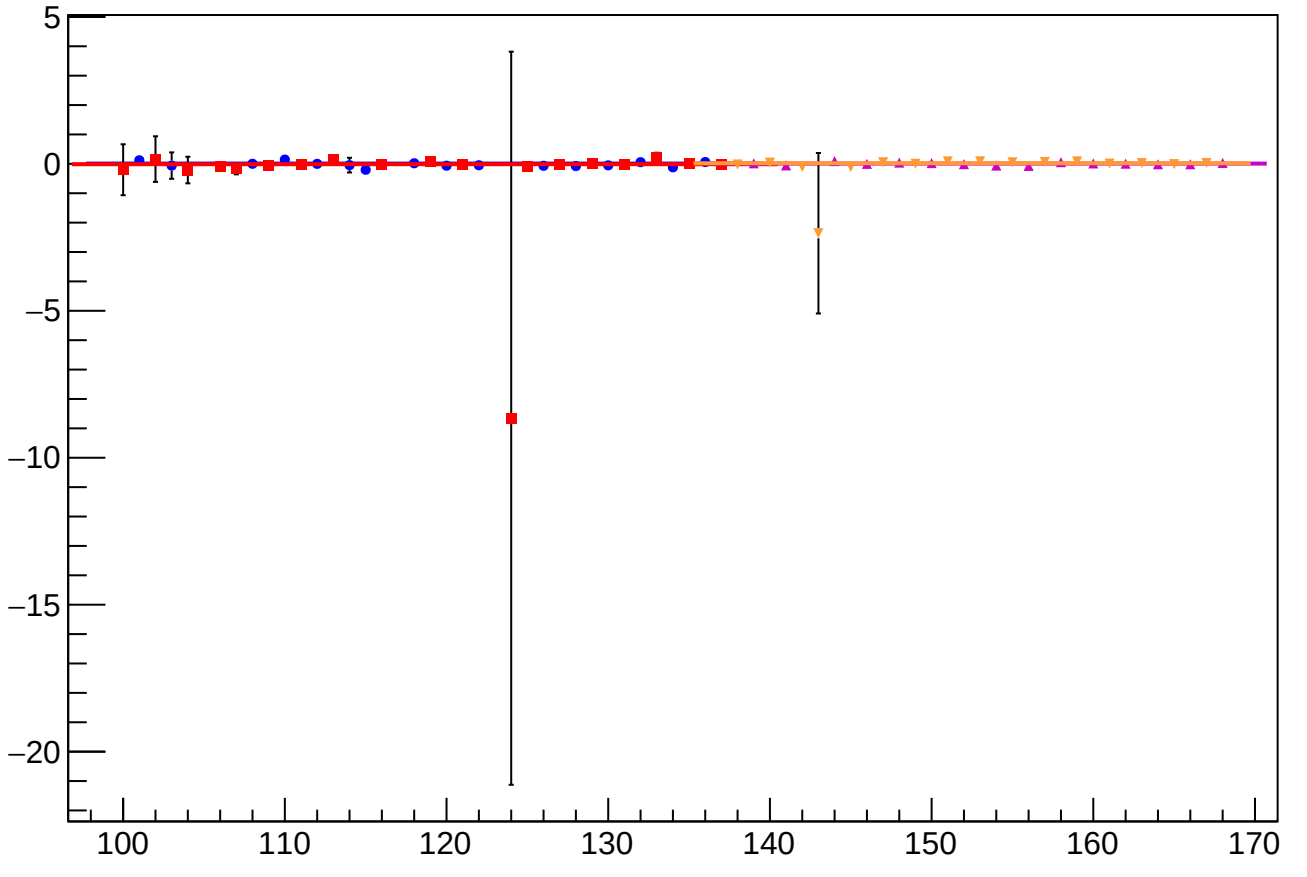
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1192787.5/14

+ sign 0.003+/-0.000 χ^2/NDF: 7612451.9/31

All: 0.003+/-0.000 χ^2/NDF: 13049167.7/65

- sign 0.003+/-0.000 χ^2/NDF: 5425639.9/33



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.020+/-0.011 χ^2/NDF:17.0/15

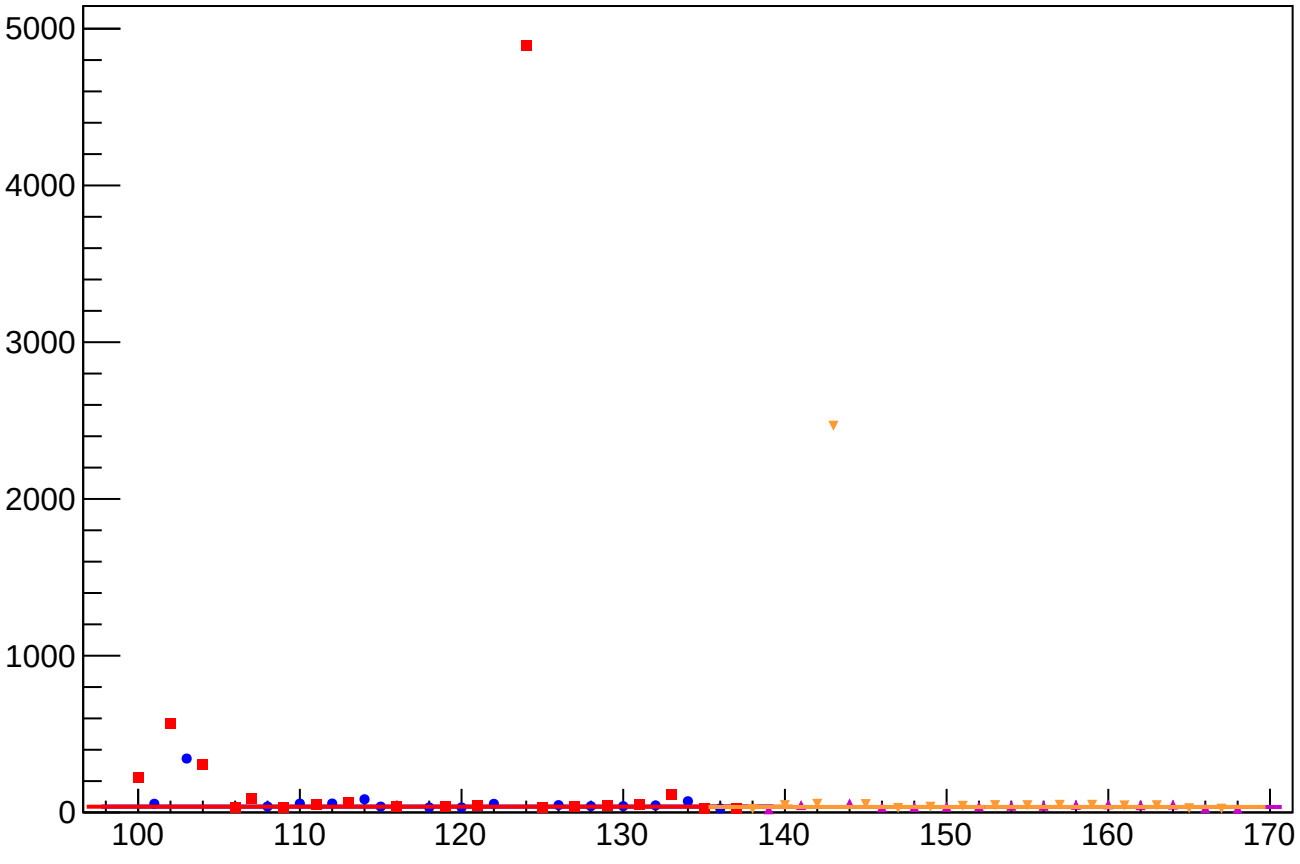
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.008+/-0.011 χ^2/NDF:10.7/14

+ sign 0.016+/-0.009 χ^2/NDF: 36.6/31

All: 0.009+/-0.007 χ^2/NDF: 62.2/65

- sign 0.002+/-0.009 χ^2/NDF: 24.4/33



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 35.063+/-0.008 χ^2/NDF:3480090.1/15

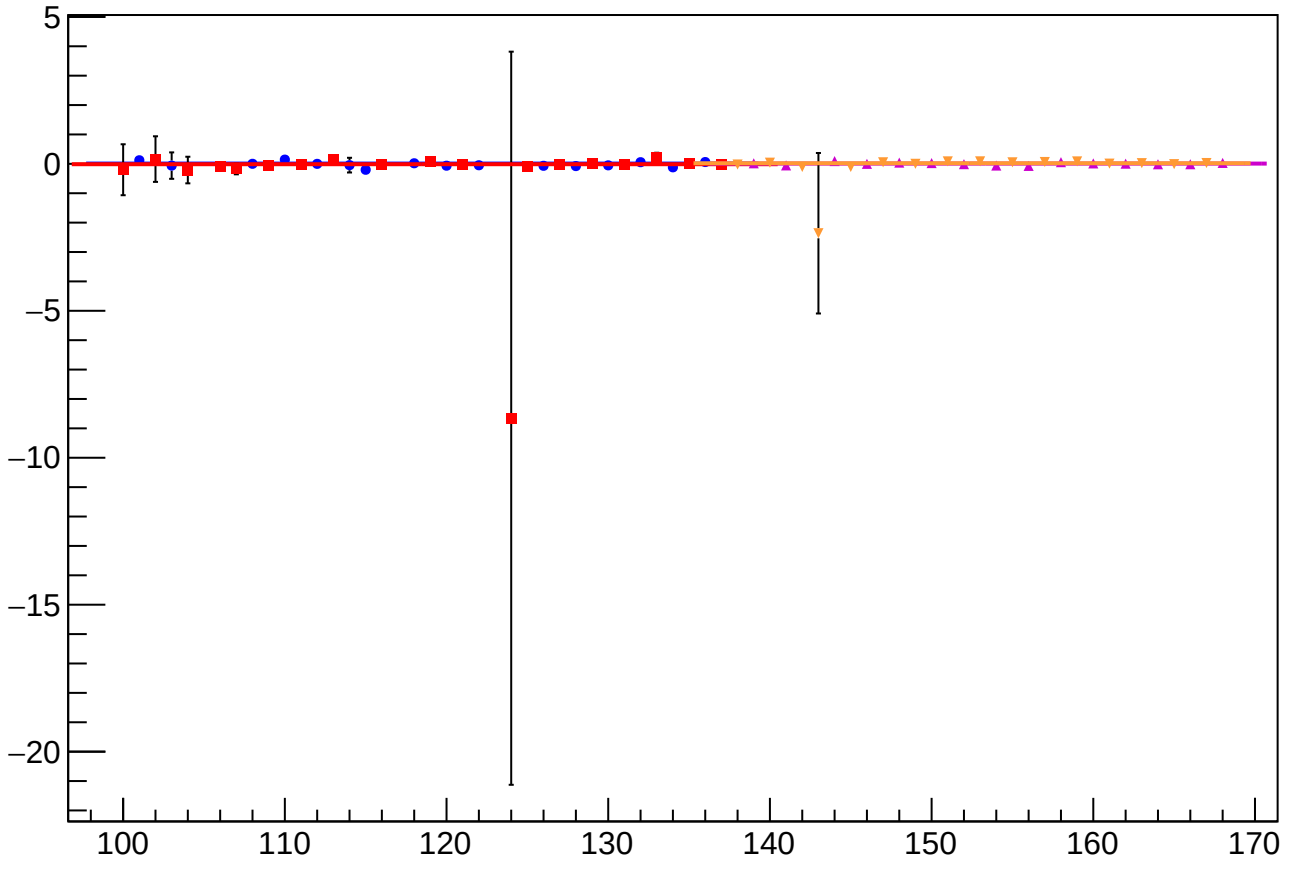
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.884+/-0.008 χ^2/NDF:1866018.7/14

+ sign 35.867+/-0.007 χ^2/NDF: 5493910.3/31

All: 35.661+/-0.005 χ^2/NDF: 10570202.3/65

- sign 35.458+/-0.006 χ^2/NDF: 5074314.8/33



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.020+/-0.011 χ^2/NDF:17.0/15

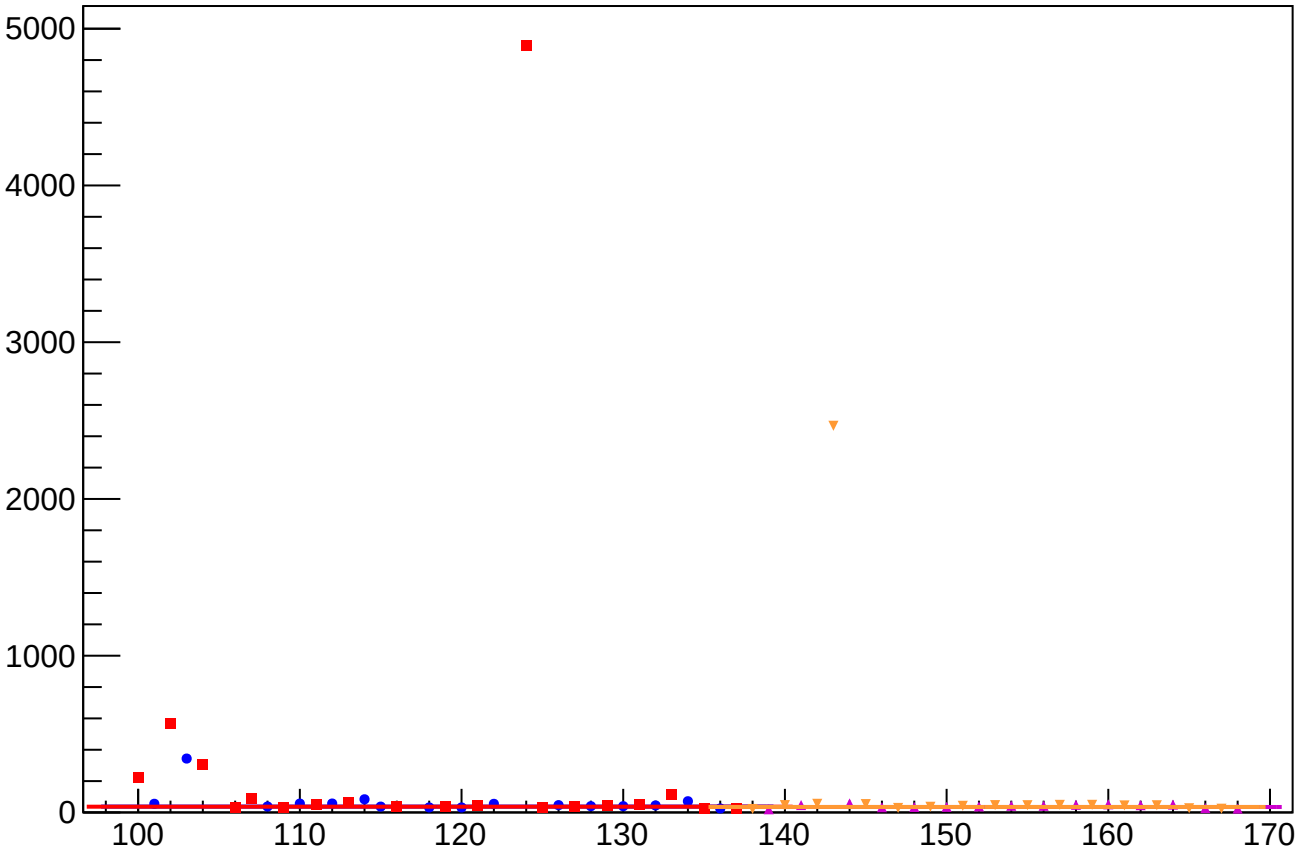
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.008+/-0.011 χ^2/NDF:10.7/14

+ sign 0.016+/-0.009 χ^2/NDF: 36.6/31

All: 0.009+/-0.007 χ^2/NDF: 62.2/65

- sign 0.002+/-0.009 χ^2/NDF: 24.4/33



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 35.063+/-0.008 χ^2/NDF:3480090.1/15

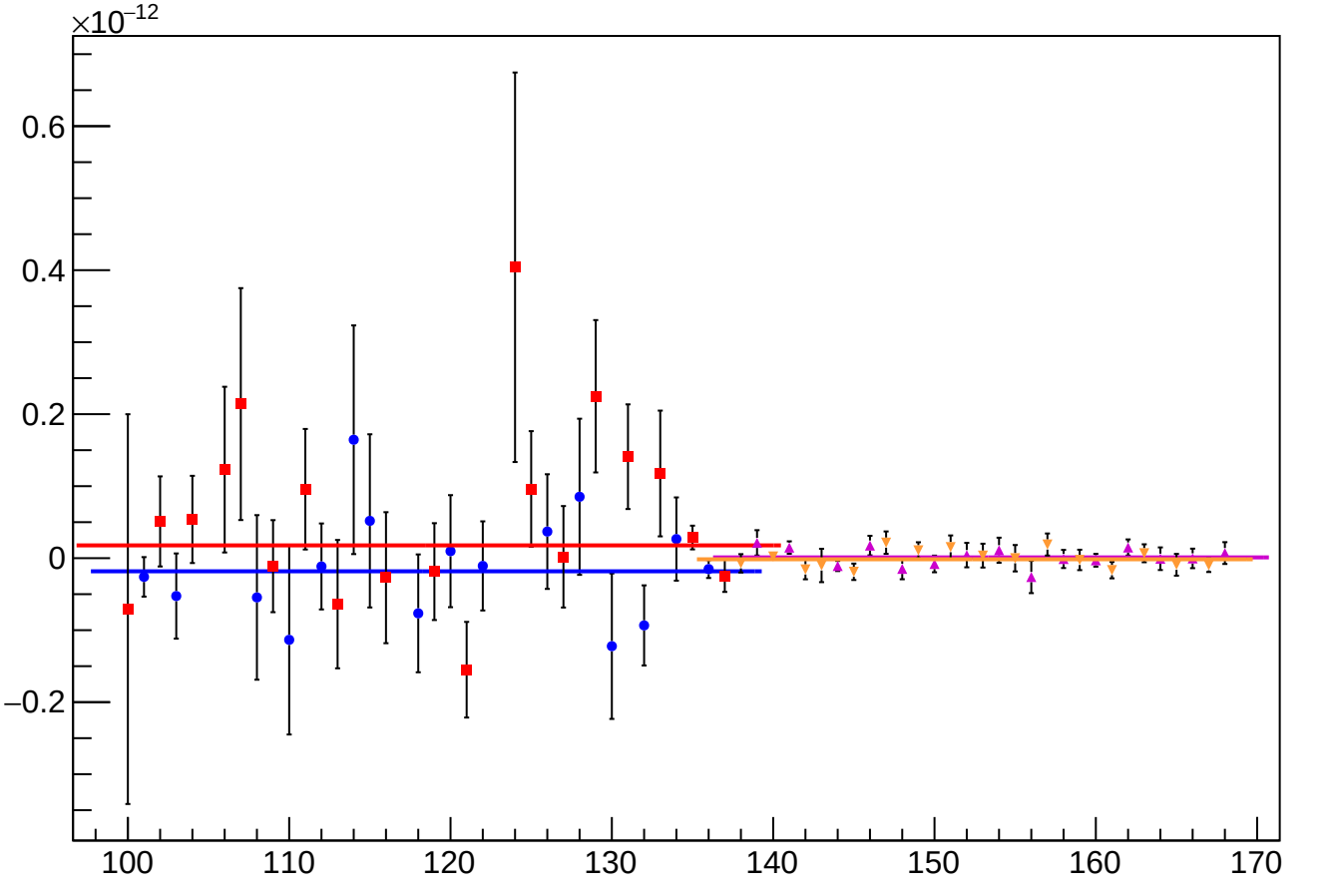
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.884+/-0.008 χ^2/NDF:1866018.7/14

+ sign 35.867+/-0.007 χ^2/NDF: 5493910.3/31

All: 35.661+/-0.005 χ^2/NDF: 10570202.3/65

- sign 35.458+/-0.006 χ^2/NDF: 5074314.8/33



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/15

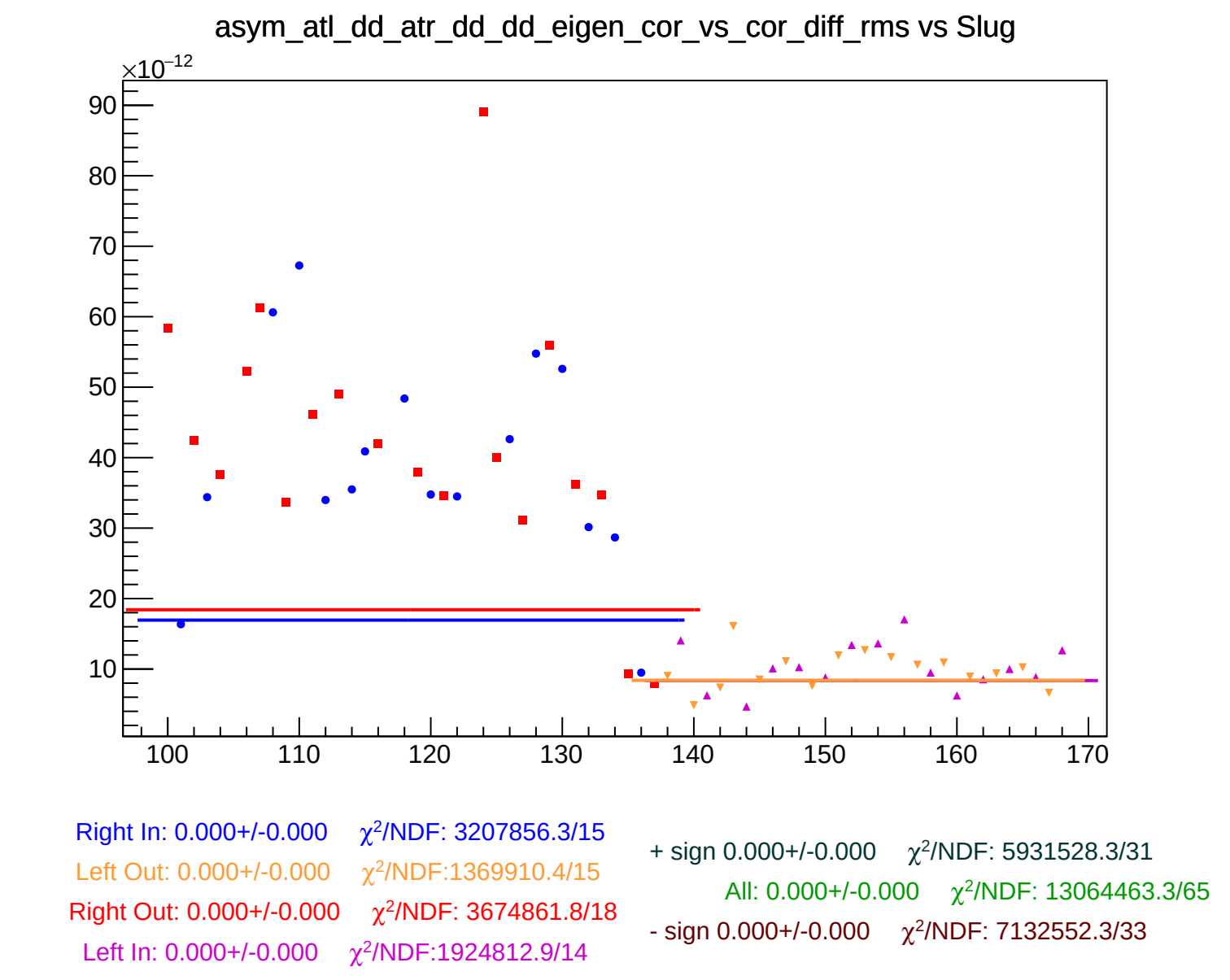
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/14

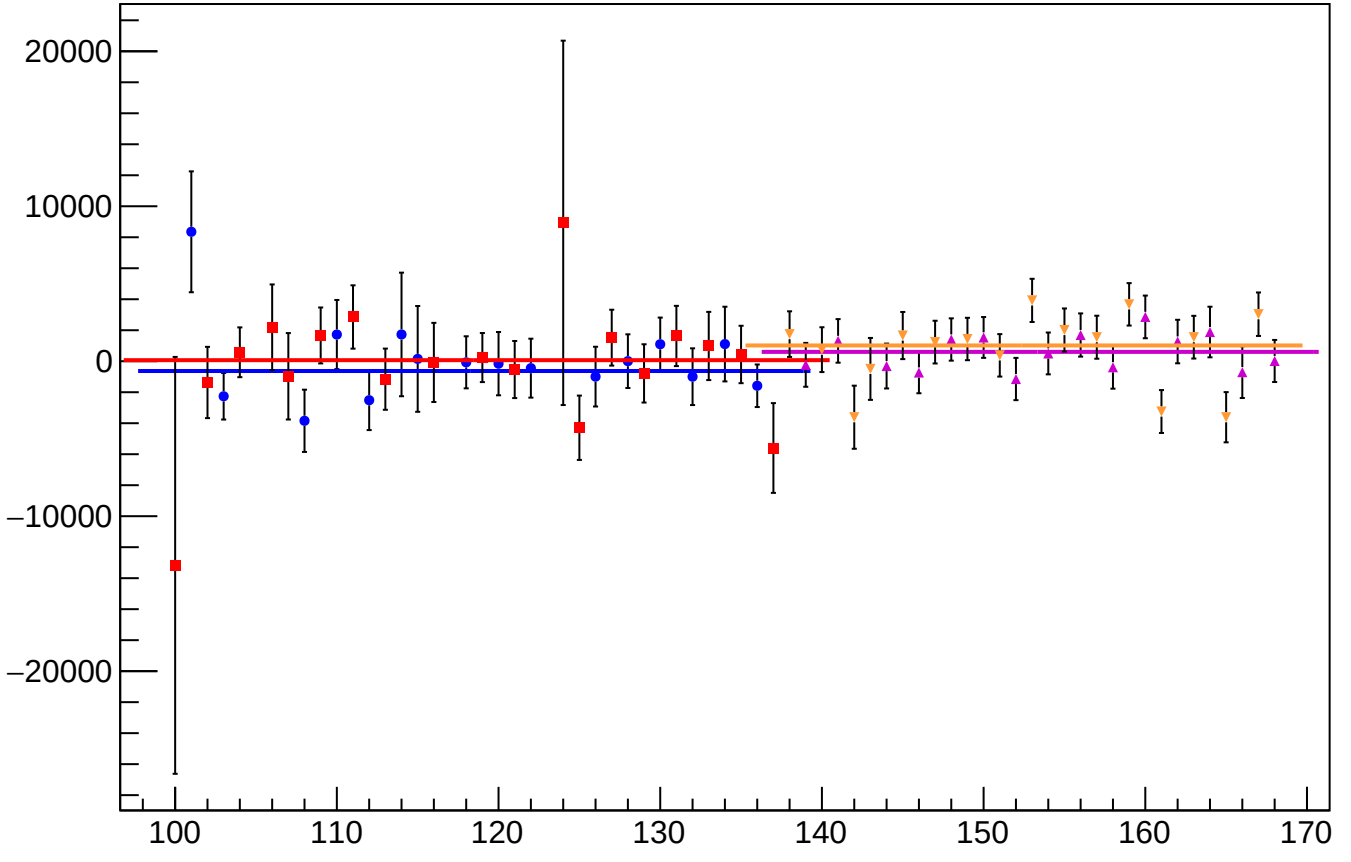
+ sign -0.000+/-0.000 χ^2/NDF: 24.5/31

All: -0.000+/-0.000 χ^2/NDF: 69.3/65

- sign 0.000+/-0.000 χ^2/NDF: 43.2/33


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1369910.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1924812.9/14
+ sign 0.000+/-0.000 χ²/NDF: 5931528.3/31
All: 0.000+/-0.000 χ²/NDF: 13064463.3/65
- sign 0.000+/-0.000 χ²/NDF: 7132552.3/33

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.080+/-365.671 χ^2/NDF:35.2/15

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

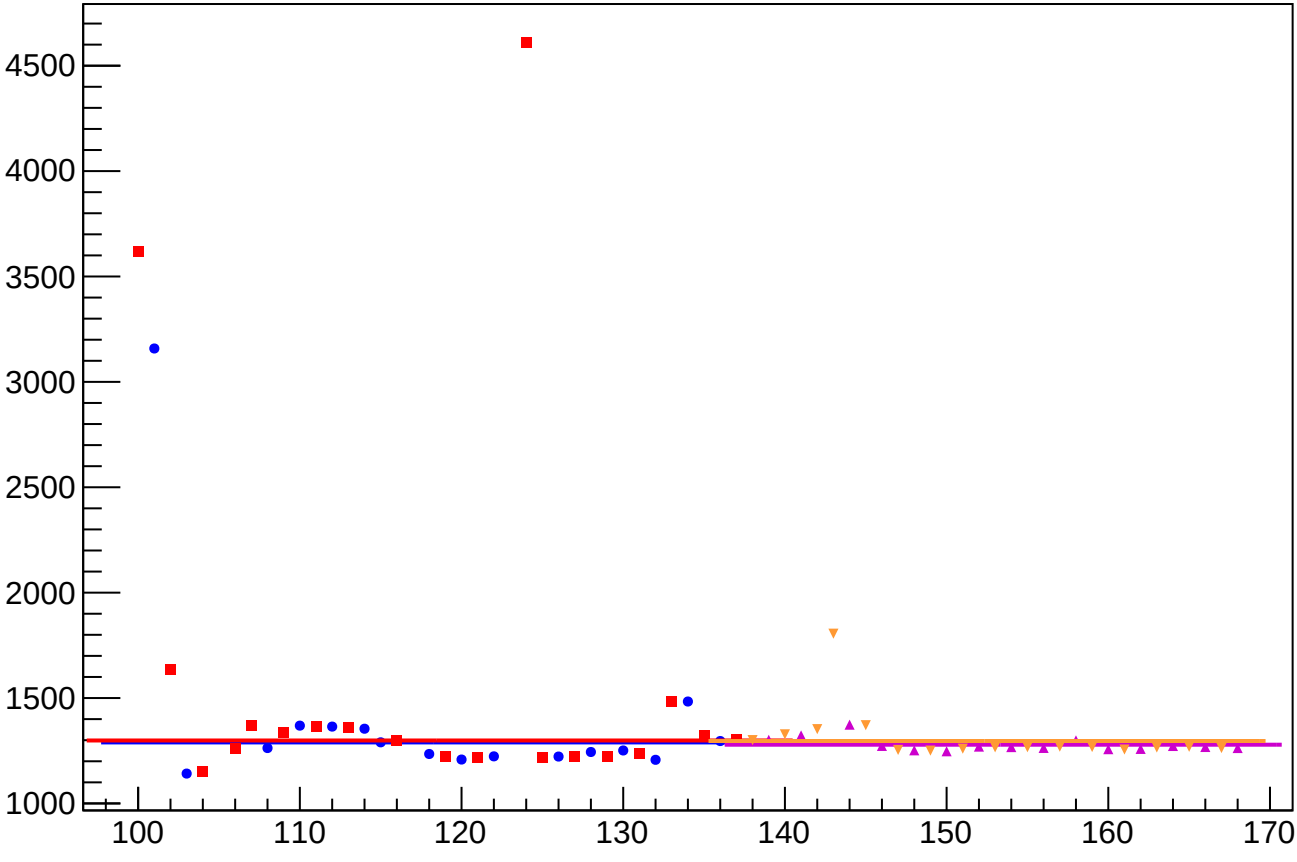
Left In: 602.937+/-363.027 χ^2/NDF:9.9/14

+ sign 426.111+/-292.774 χ^2/NDF: 56.4/31

All: 419.077+/-206.471 χ^2/NDF: 83.0/65

- sign 412.118+/-291.220 χ^2/NDF: 26.6/33

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

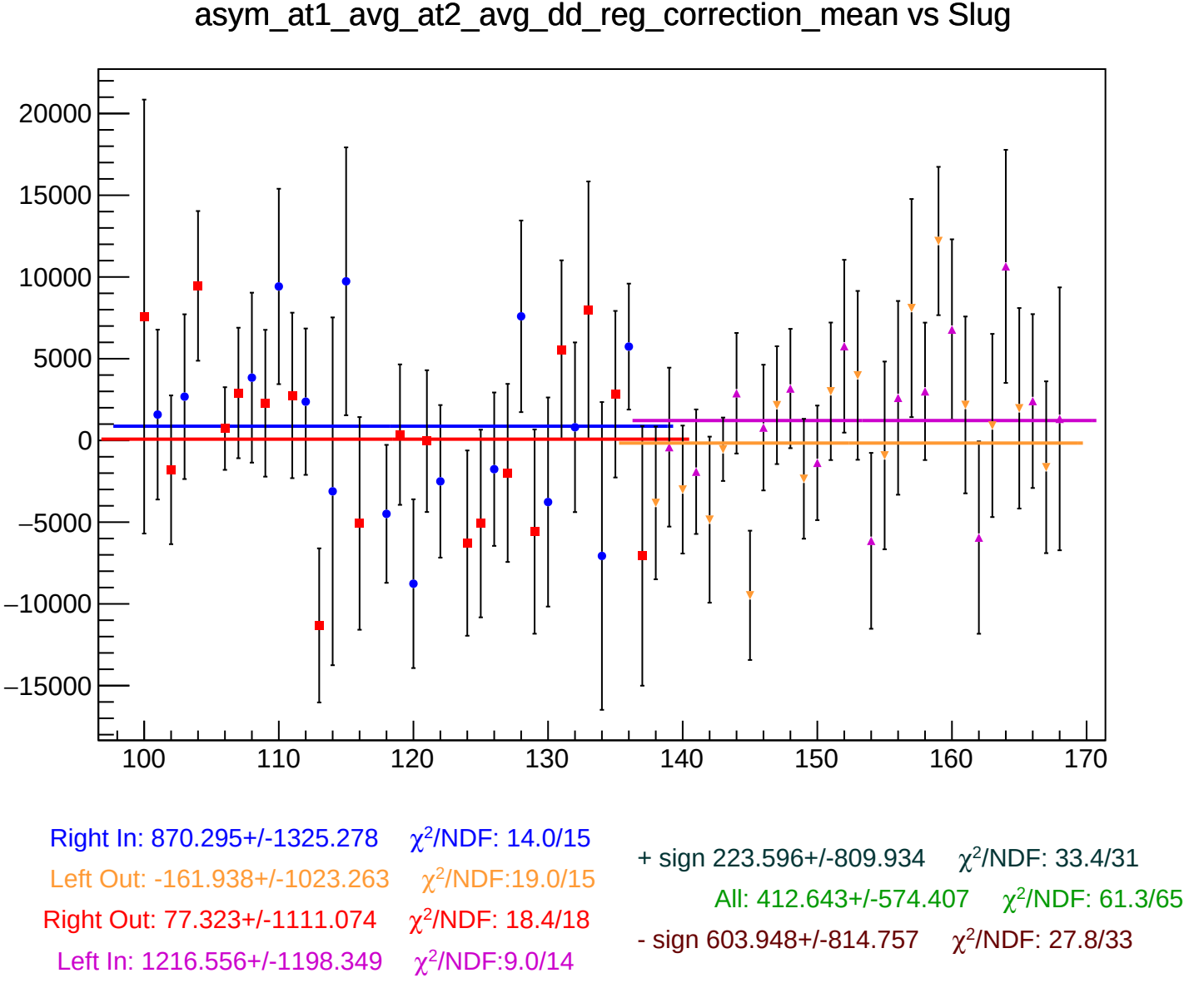
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

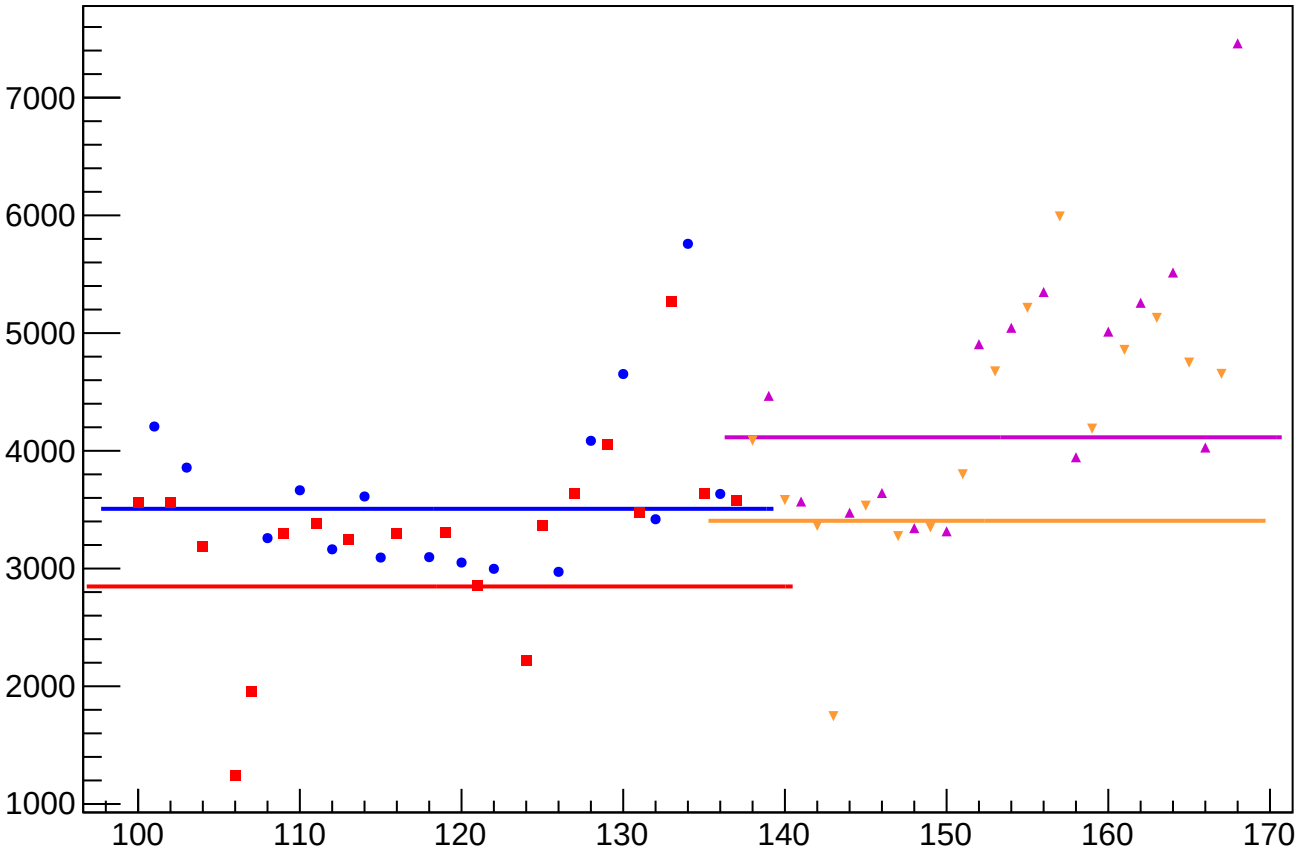
Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

+ sign 1293.746+/-0.207 χ^2/NDF: 665500.6/31

All: 1289.739+/-0.146 χ^2/NDF: 1003012.3/65

- sign 1285.781+/-0.206 χ^2/NDF: 336766.8/33


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -161.938+/-1023.263 χ²/NDF:19.0/15
Right Out: 77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 1216.556+/-1198.349 χ²/NDF:9.0/14
+ sign 223.596+/-809.934 χ²/NDF: 33.4/31
All: 412.643+/-574.407 χ²/NDF: 61.3/65
- sign 603.948+/-814.757 χ²/NDF: 27.8/33



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3405.727+/-0.724 χ^2/NDF:2754433.7/15

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

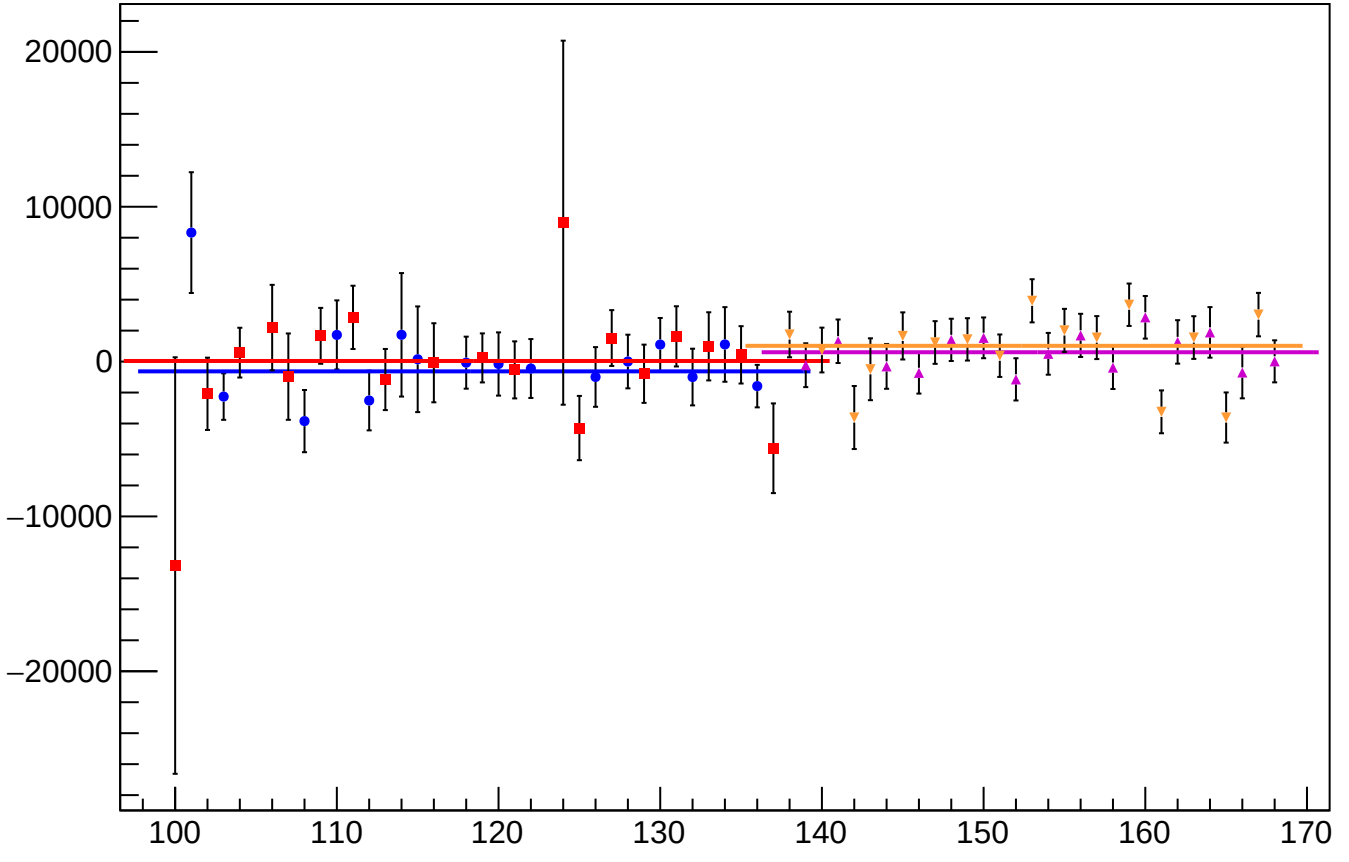
Left In: 4114.845+/-0.847 χ^2/NDF:1081883.1/14

+ sign 3443.700+/-0.573 χ^2/NDF: 3115787.2/31

All: 3438.643+/-0.406 χ^2/NDF: 6899449.6/65

- sign 3433.525+/-0.576 χ^2/NDF: 3783505.6/33

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.118+/-365.671 χ^2/NDF:35.2/15

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

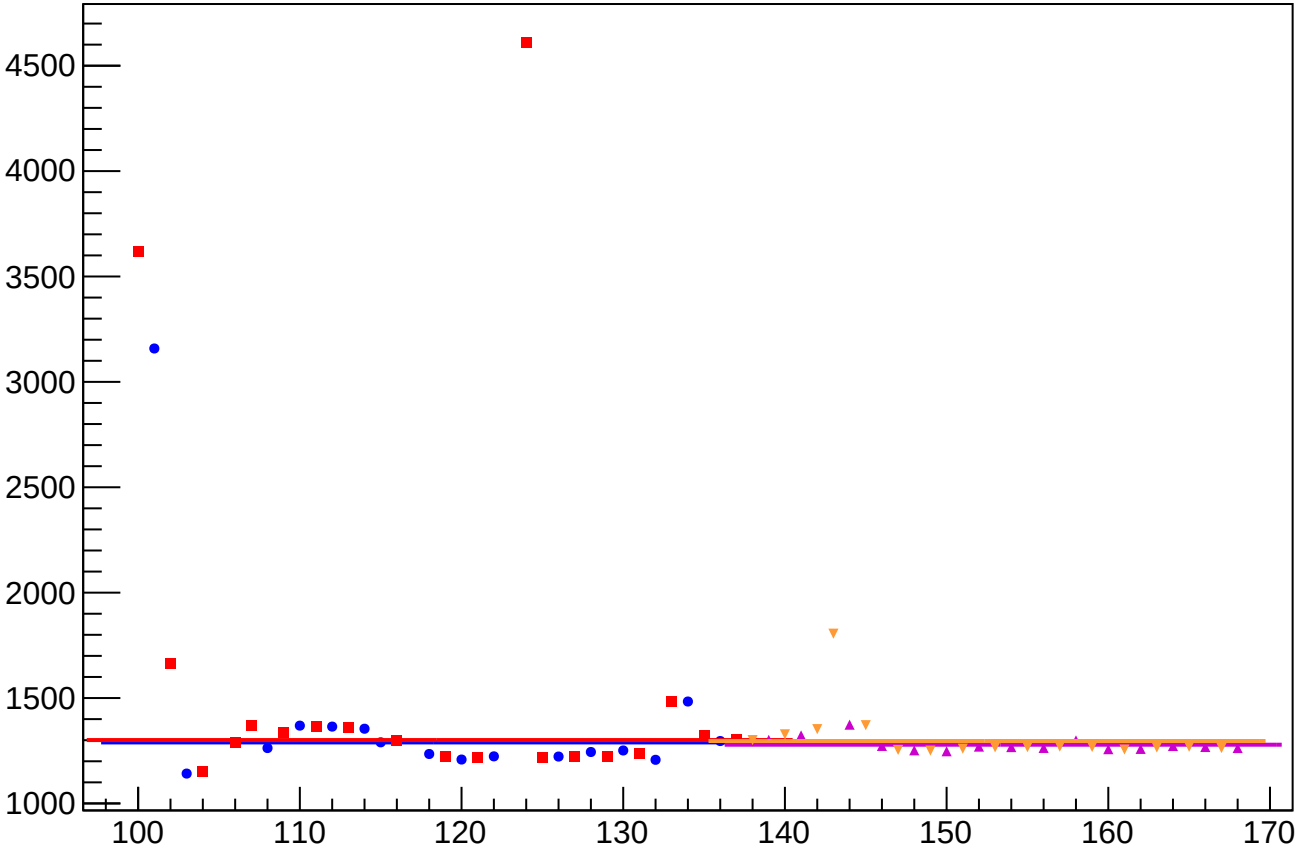
Left In: 602.935+/-363.027 χ^2/NDF:9.9/14

+ sign 425.997+/-292.774 χ^2/NDF: 56.4/31

All: 413.909+/-206.496 χ^2/NDF: 83.5/65

- sign 401.943+/-291.289 χ^2/NDF: 27.1/33

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

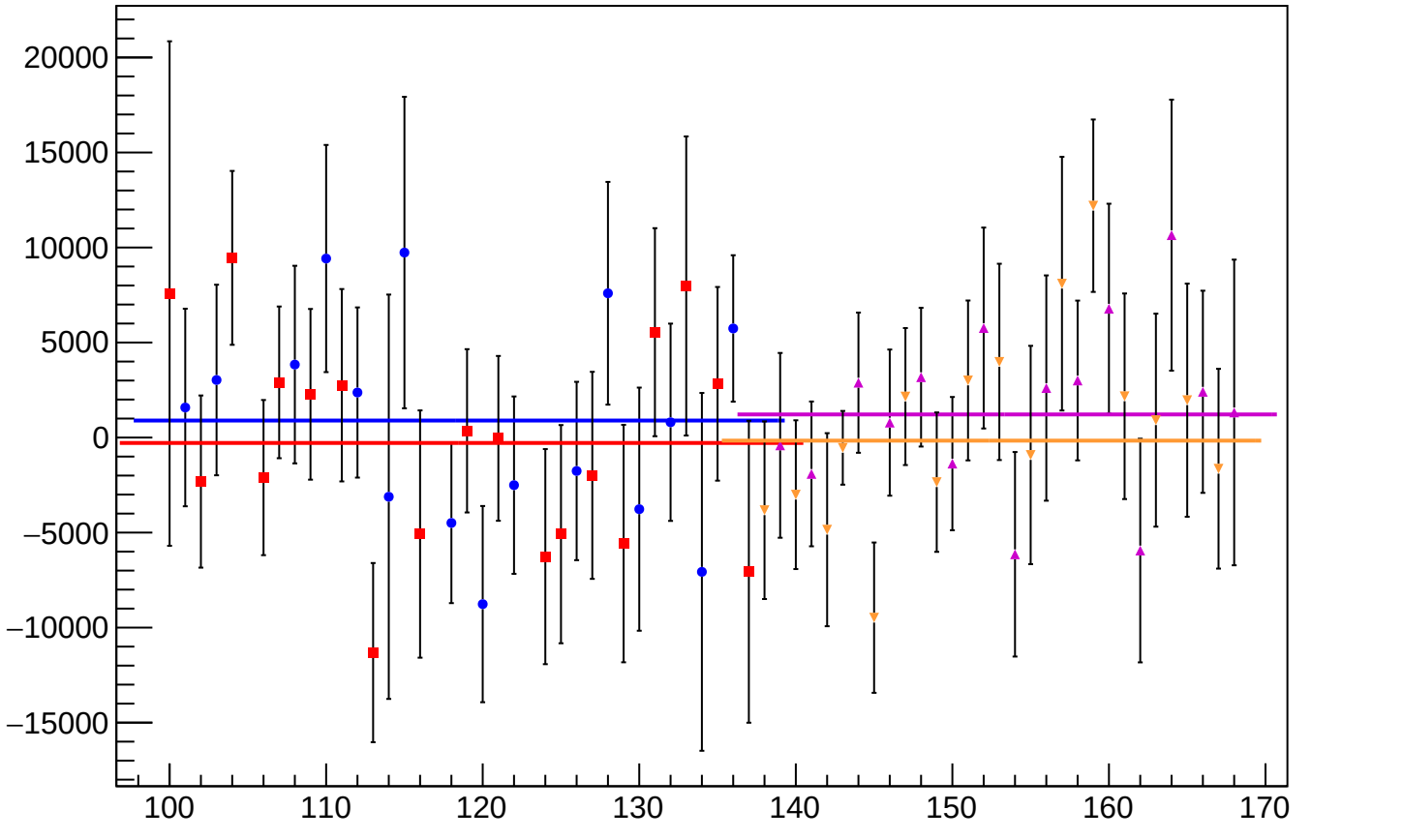
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

+ sign 1293.746+/-0.207 χ^2/NDF: 665502.1/31

All: 1290.098+/-0.146 χ^2/NDF: 1009878.0/65

- sign 1286.492+/-0.206 χ^2/NDF: 343758.5/33



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -161.836+/-1023.261 χ^2/NDF:19.0/15

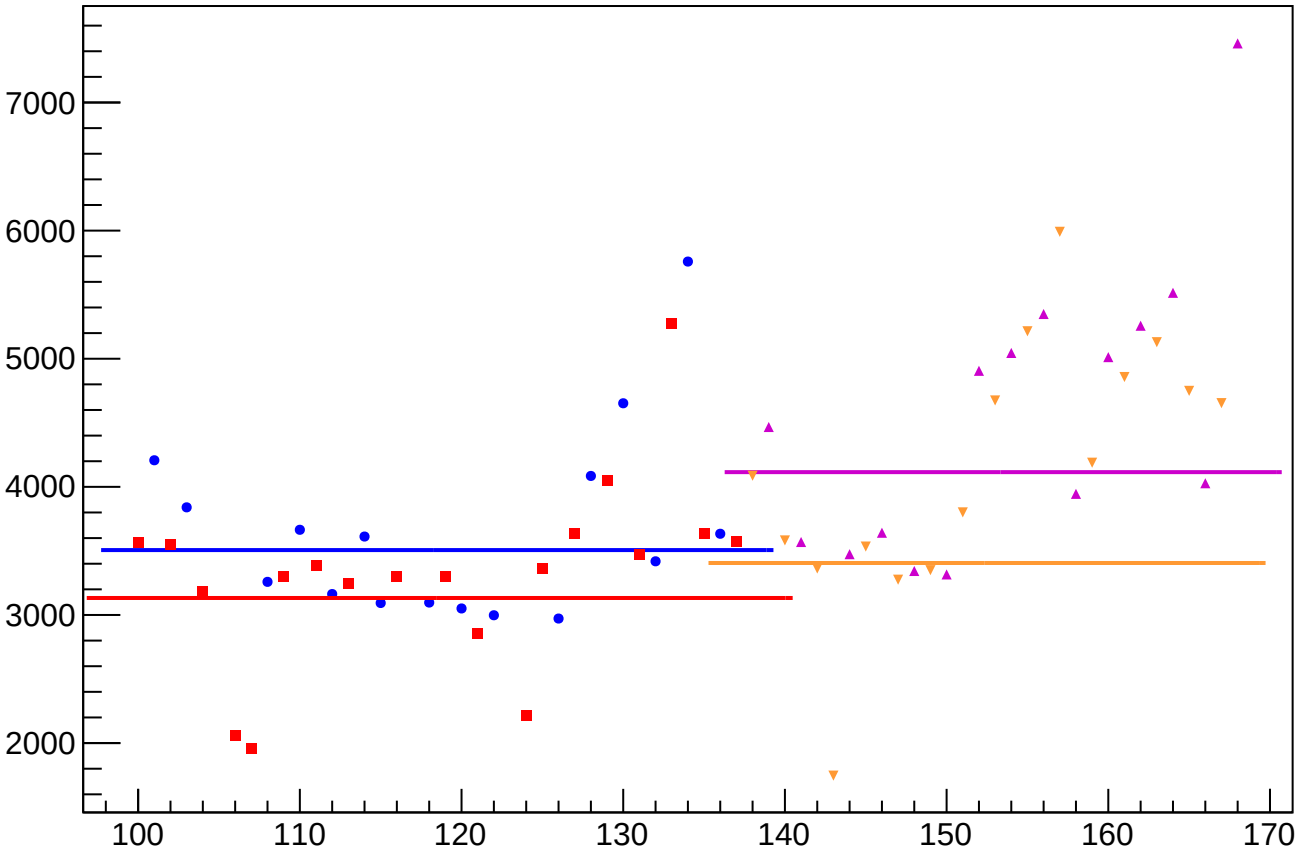
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1216.598+/-1198.348 χ^2/NDF:9.0/14

+ sign 233.436+/-809.829 χ^2/NDF: 33.4/31

All: 340.755+/-583.658 χ^2/NDF: 61.9/65

- sign 456.755+/-841.943 χ^2/NDF: 28.4/33



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3405.717+/-0.724 χ^2/NDF:2754464.2/15

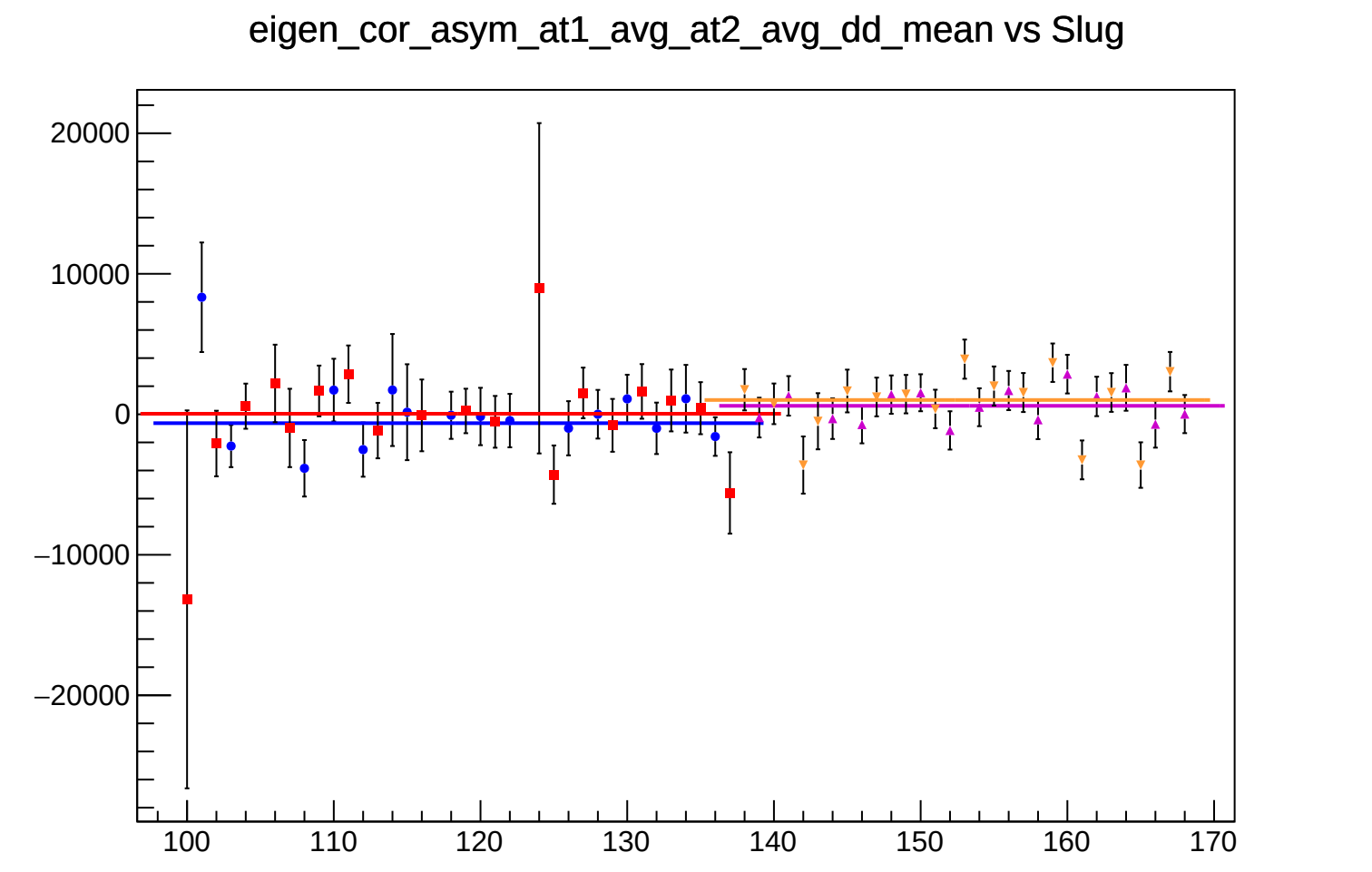
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.841+/-0.847 χ^2/NDF:1081884.2/14

+ sign 3443.369+/-0.573 χ^2/NDF: 3114949.0/31

All: 3527.028+/-0.413 χ^2/NDF: 5571285.3/65

- sign 3617.454+/-0.595 χ^2/NDF: 2411922.6/33



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.118+/-365.671 χ^2/NDF:35.2/15

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

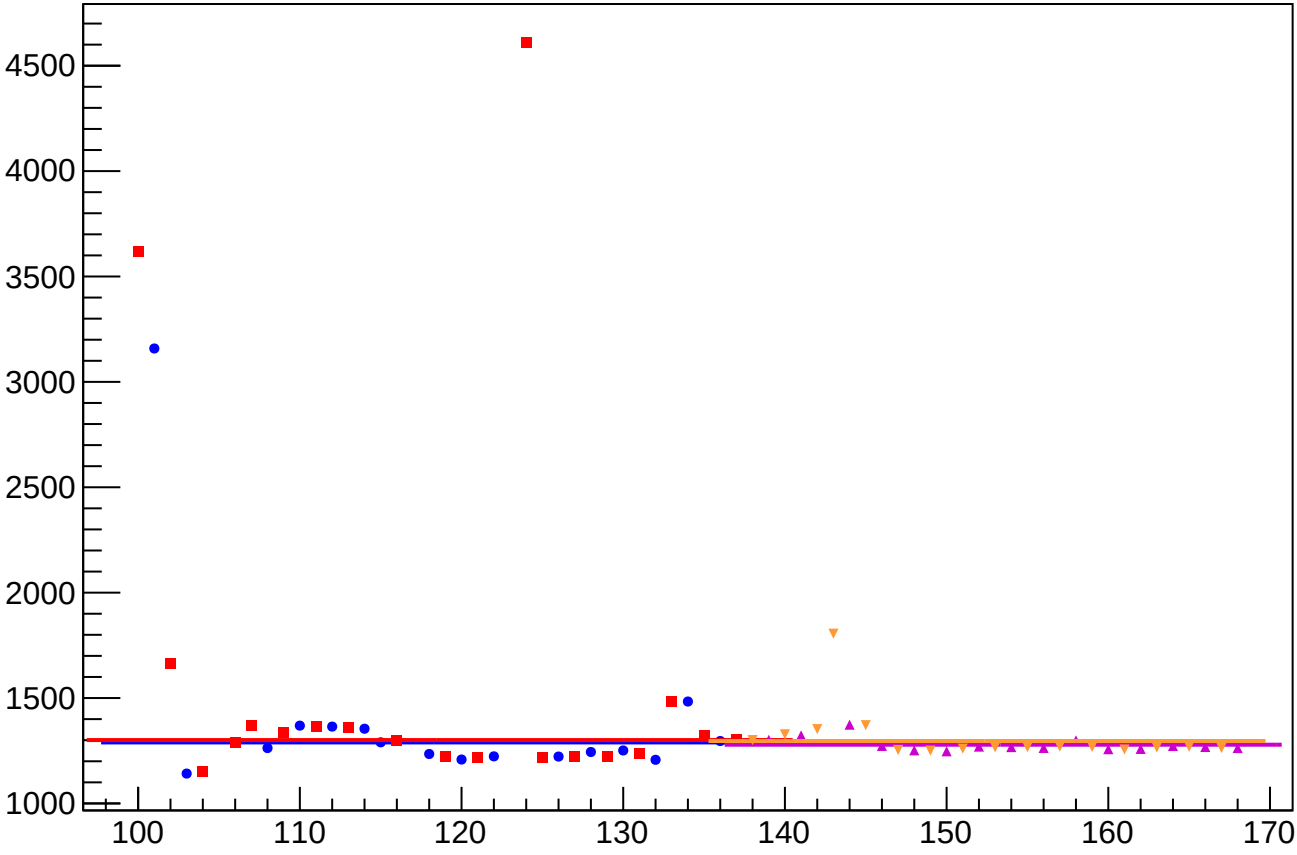
Left In: 602.935+/-363.027 χ^2/NDF:9.9/14

+ sign 425.997+/-292.774 χ^2/NDF: 56.4/31

All: 413.909+/-206.496 χ^2/NDF: 83.5/65

- sign 401.943+/-291.289 χ^2/NDF: 27.1/33

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: 1296.143+/-0.259 χ^2/NDF:150586.2/15

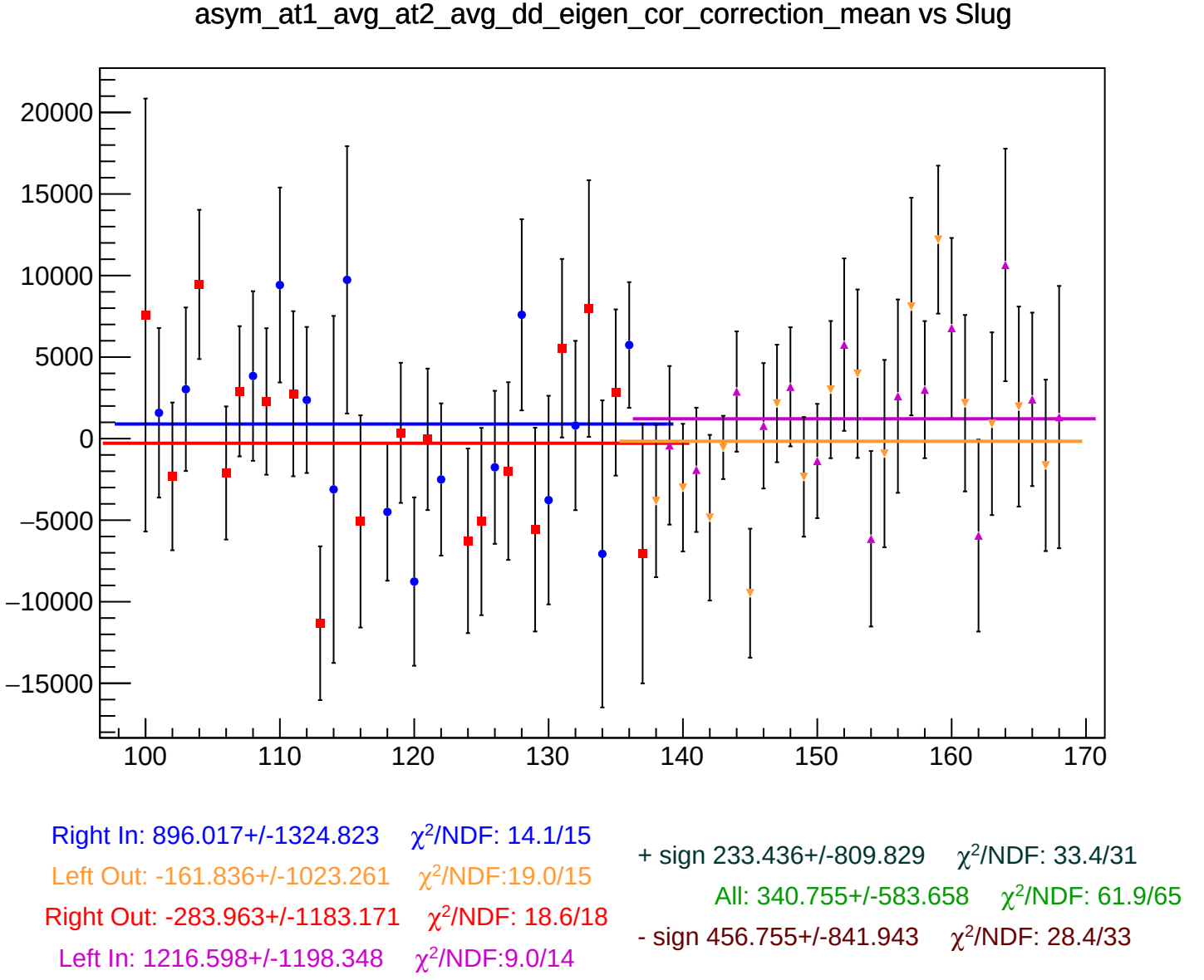
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

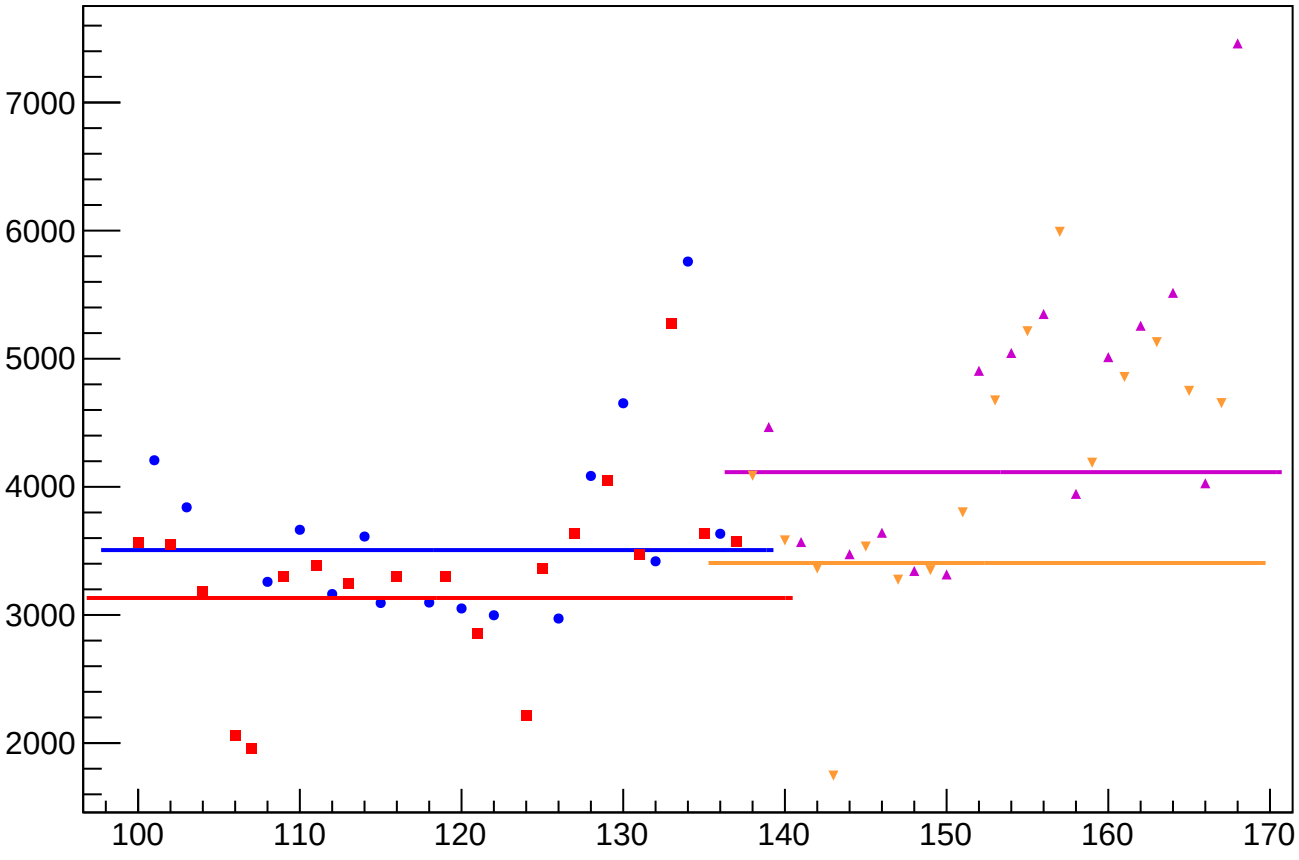
Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

+ sign 1293.746+/-0.207 χ^2/NDF: 665502.1/31

All: 1290.098+/-0.146 χ^2/NDF: 1009878.0/65

- sign 1286.492+/-0.206 χ^2/NDF: 343758.5/33


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -161.836+/-1023.261 χ²/NDF:19.0/15
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 1216.598+/-1198.348 χ²/NDF:9.0/14
+ sign 233.436+/-809.829 χ²/NDF: 33.4/31
All: 340.755+/-583.658 χ²/NDF: 61.9/65
- sign 456.755+/-841.943 χ²/NDF: 28.4/33



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3405.717+/-0.724 χ^2/NDF:2754464.2/15

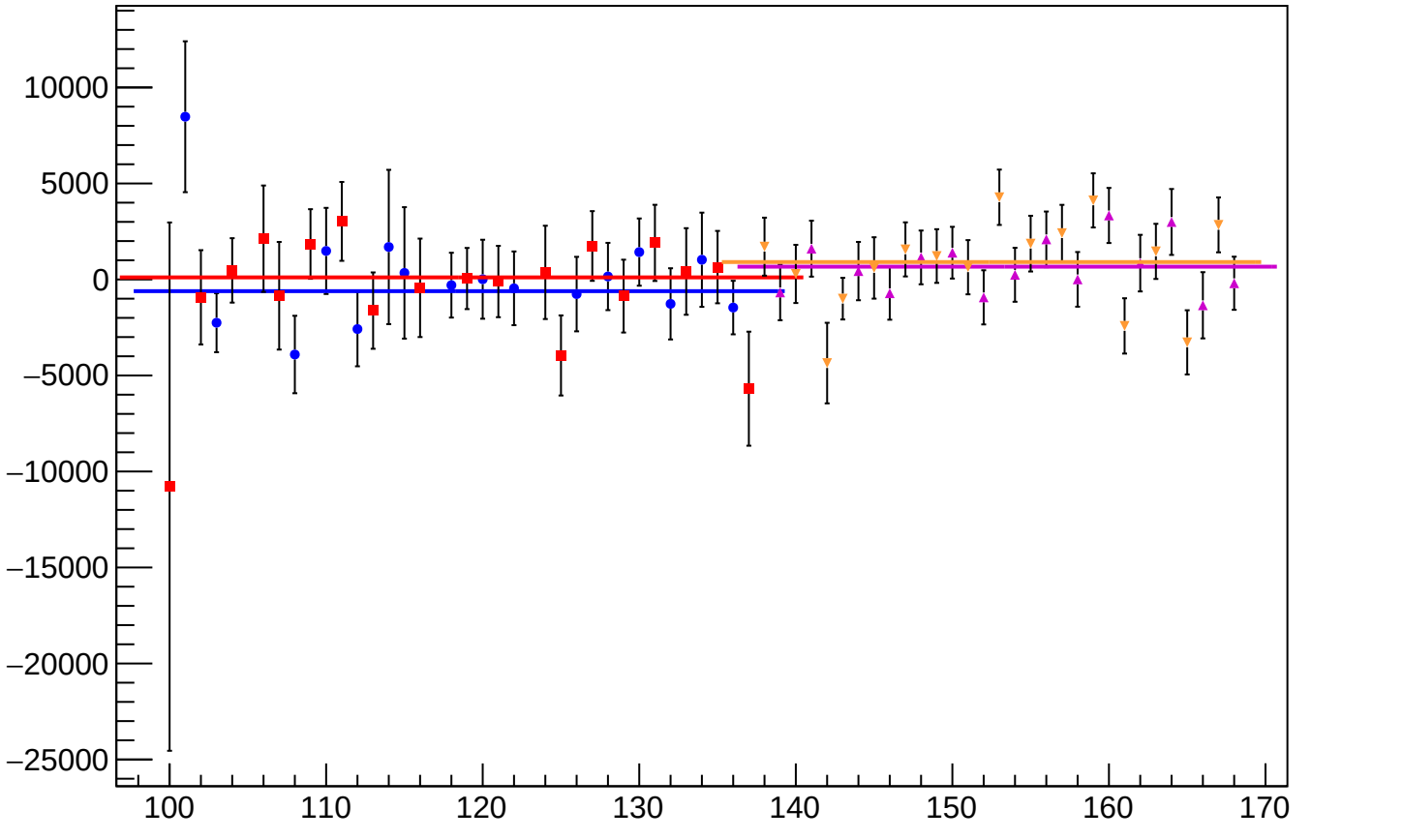
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.841+/-0.847 χ^2/NDF:1081884.2/14

+ sign 3443.369+/-0.573 χ^2/NDF: 3114949.0/31

All: 3527.028+/-0.413 χ^2/NDF: 5571285.3/65

- sign 3617.454+/-0.595 χ^2/NDF: 2411922.6/33



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 908.293+/-362.846 χ^2/NDF:35.9/15

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

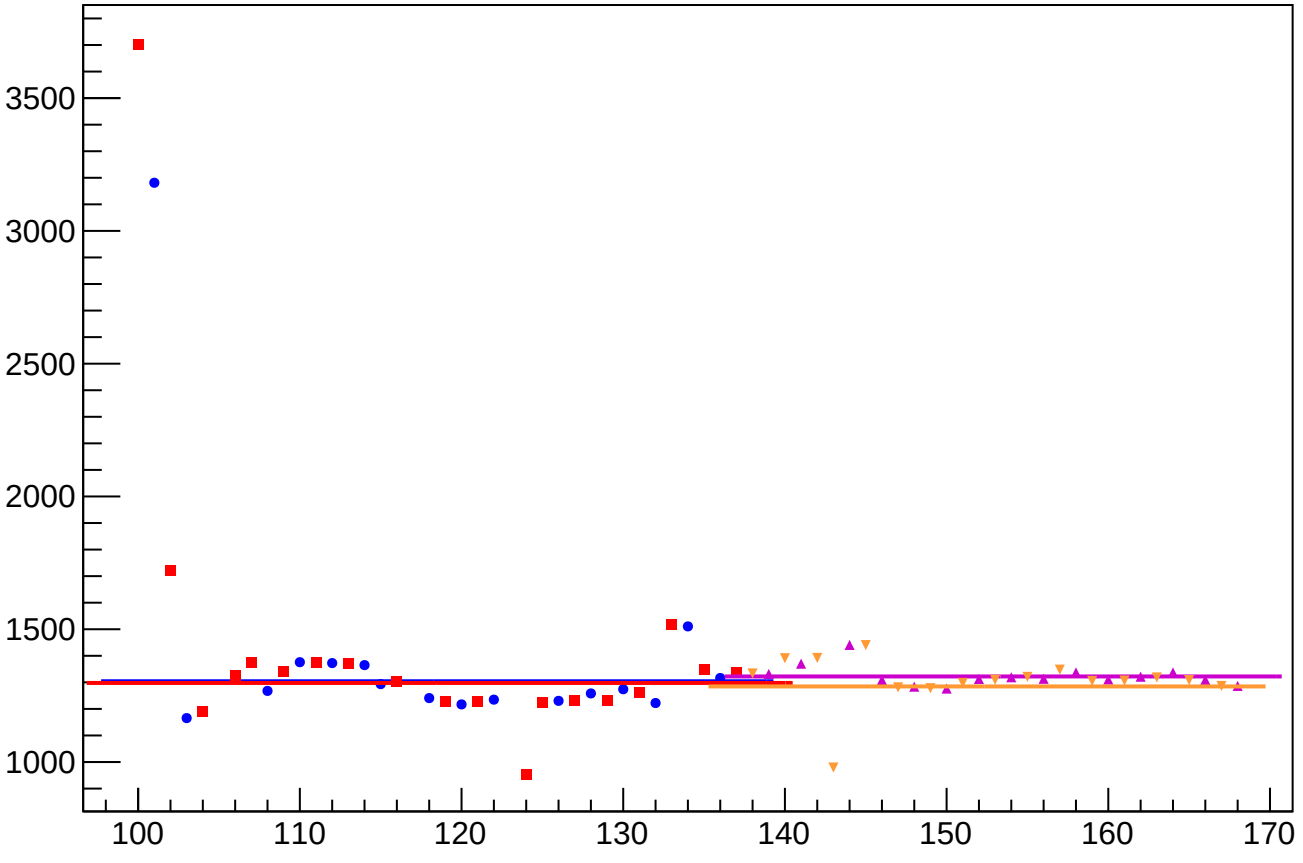
Left In: 666.444+/-375.492 χ^2/NDF:12.3/14

\+ sign 377.240+/-292.475 χ^2/NDF: 56.1/31

All: 416.841+/-208.404 χ^2/NDF: 84.2/65

\- sign 457.685+/-297.035 χ^2/NDF: 28.0/33

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1284.622+/-0.257 χ^2/NDF:203050.2/15

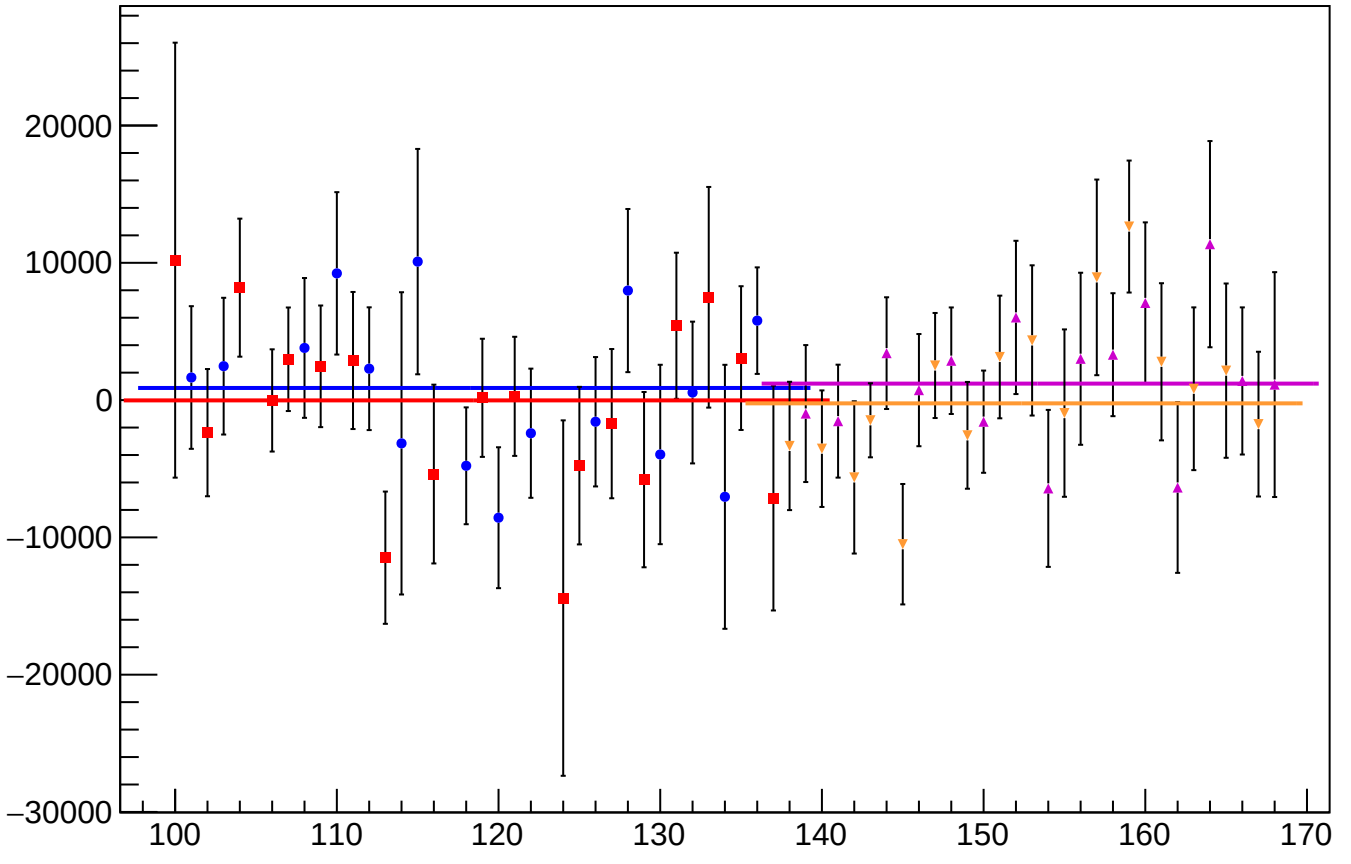
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1322.253+/-0.266 χ^2/NDF:20620.9/14

+ sign 1291.445+/-0.207 χ^2/NDF: 715658.8/31

All: 1302.104+/-0.147 χ^2/NDF: 957949.3/65

- sign 1313.092+/-0.210 χ^2/NDF: 236896.0/33



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -237.054+/-1154.094 χ^2/NDF:19.2/15

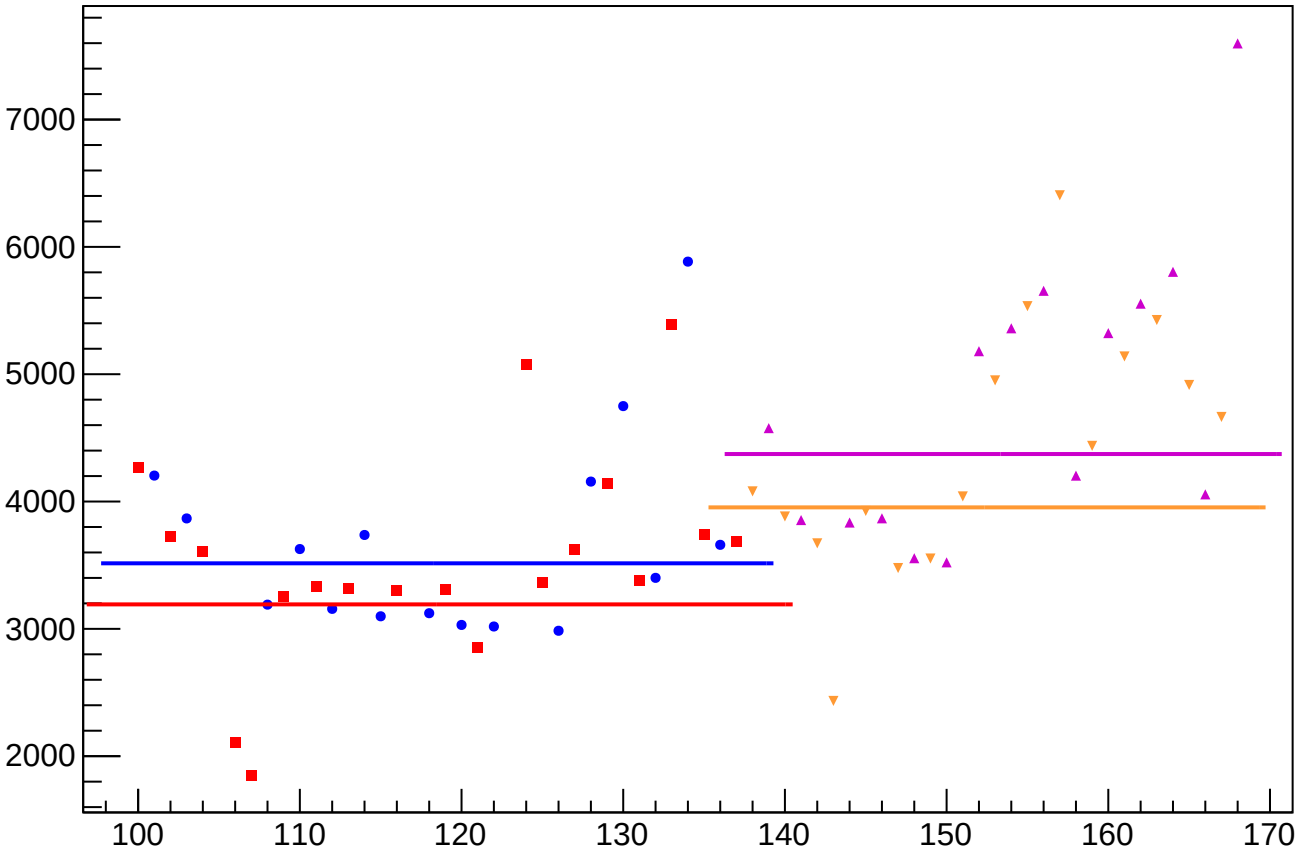
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1201.301+/-1271.509 χ^2/NDF:8.8/14

+ sign 245.585+/-870.940 χ^2/NDF: 33.7/31

All: 399.972+/-616.476 χ^2/NDF: 59.9/65

- sign 554.991+/-872.719 χ^2/NDF: 26.1/33



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3954.074+/-0.816 χ^2/NDF:1444498.7/15

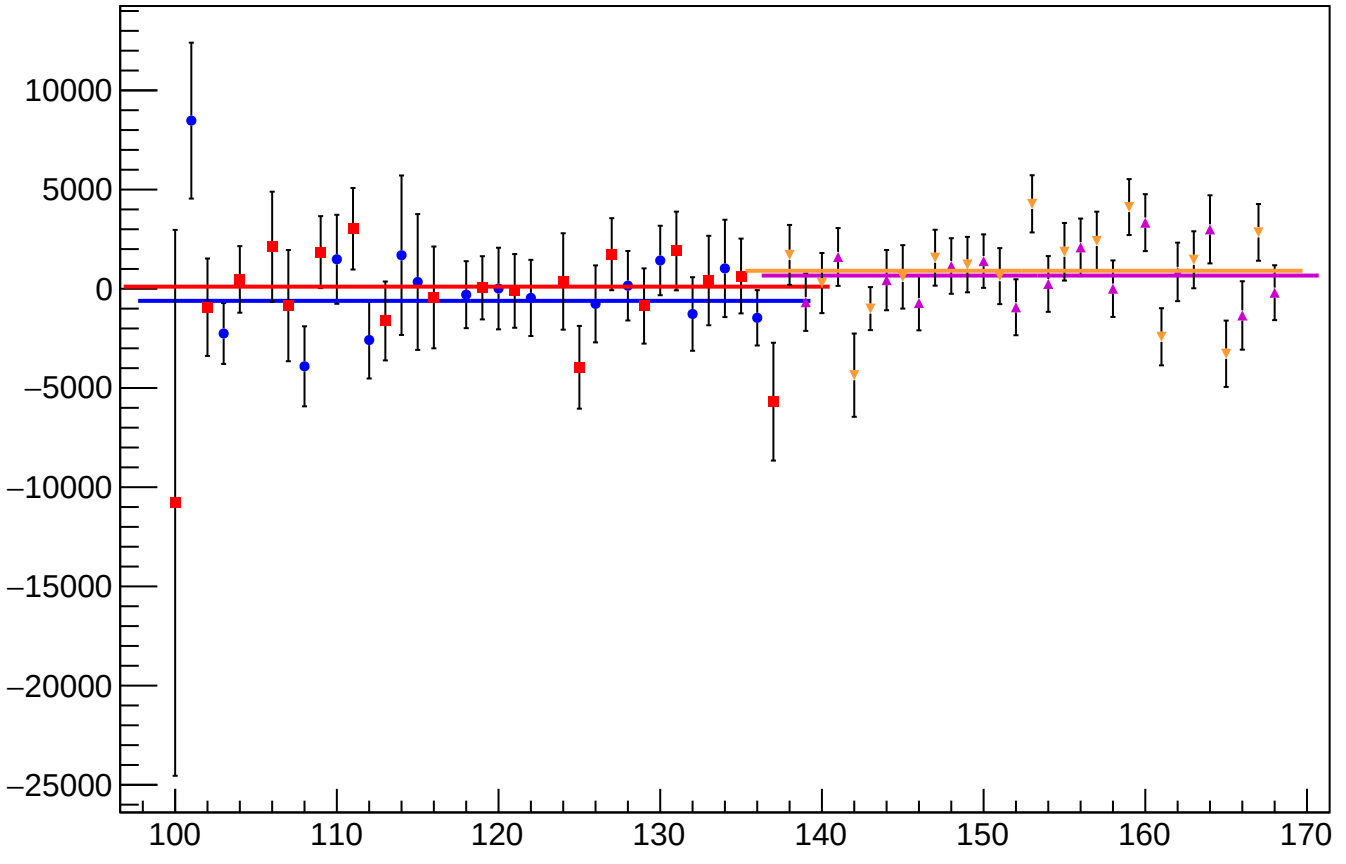
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4373.056+/-0.899 χ^2/NDF:996365.1/14

+ sign 3764.943+/-0.616 χ^2/NDF: 1944344.1/31

All: 3756.738+/-0.436 χ^2/NDF: 4625905.1/65

- sign 3748.500+/-0.617 χ^2/NDF: 2681205.2/33



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 908.299+/-362.846 χ^2/NDF:35.9/15

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

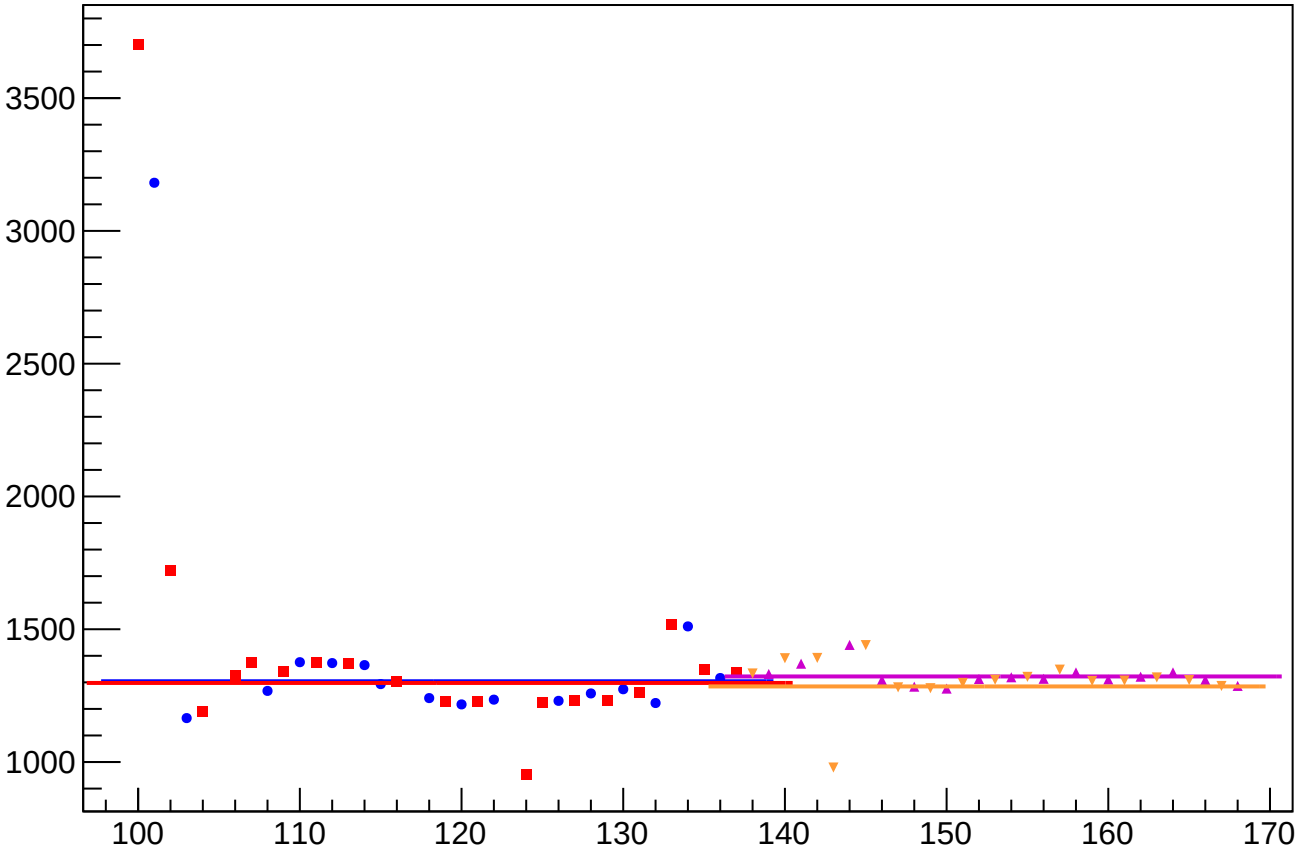
Left In: 666.445+/-375.493 χ^2/NDF:12.3/14

+ sign 377.242+/-292.475 χ^2/NDF: 56.1/31

All: 416.843+/-208.405 χ^2/NDF: 84.2/65

- sign 457.688+/-297.035 χ^2/NDF: 28.0/33

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: 1284.623+/-0.257 χ^2/NDF:203050.9/15

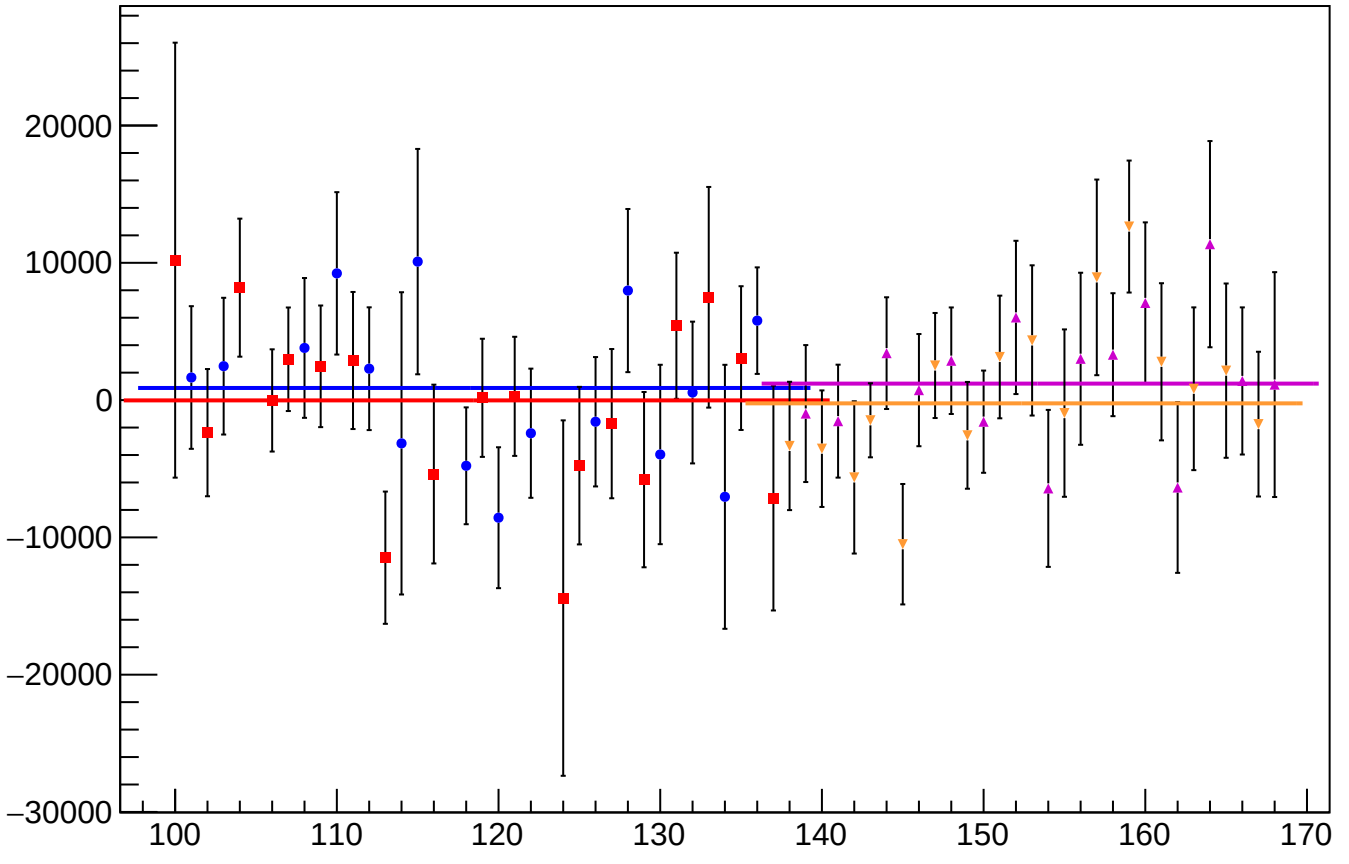
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1322.254+/-0.266 χ^2/NDF:20621.1/14

+ sign 1291.446+/-0.207 χ^2/NDF: 715659.4/31

All: 1302.105+/-0.147 χ^2/NDF: 957950.5/65

- sign 1313.093+/-0.210 χ^2/NDF: 236896.5/33



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -237.050+/-1154.096 χ^2/NDF:19.2/15

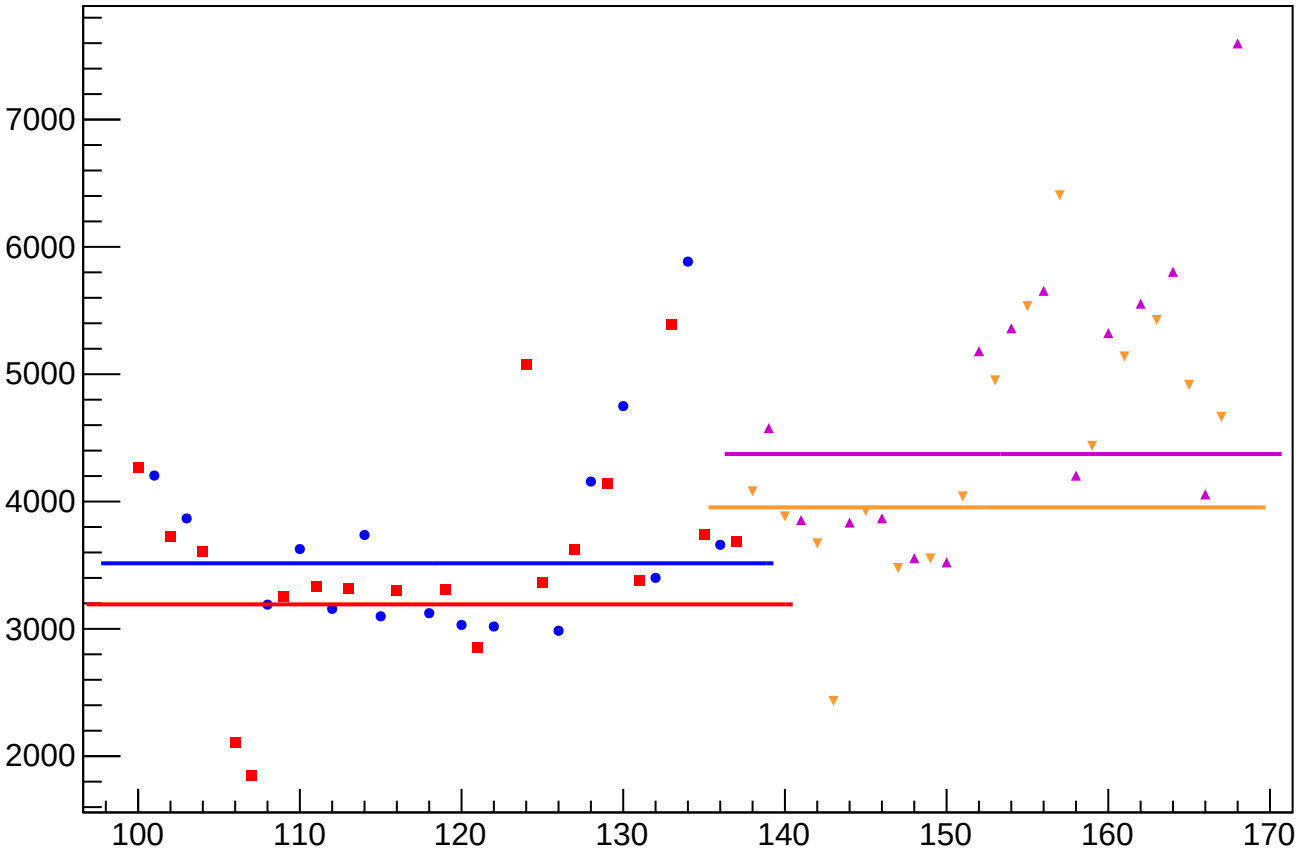
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1201.300+/-1271.511 χ^2/NDF:8.8/14

+ sign 245.585+/-870.940 χ^2/NDF: 33.7/31

All: 399.972+/-616.475 χ^2/NDF: 59.9/65

- sign 554.991+/-872.719 χ^2/NDF: 26.1/33



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3954.080+/-0.816 χ^2/NDF:1444500.9/15

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

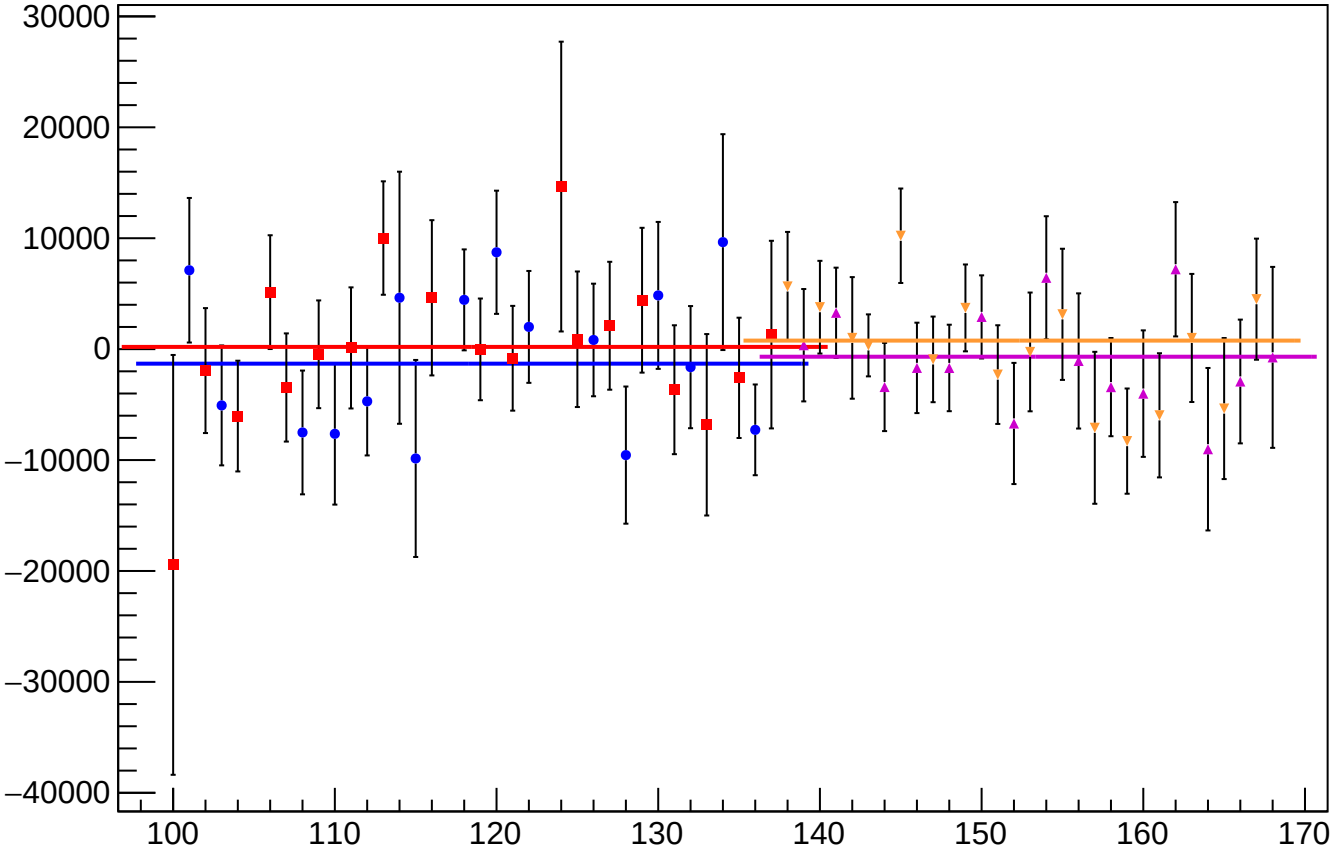
Left In: 4373.063+/-0.899 χ^2/NDF:996366.9/14

+ sign 3764.942+/-0.616 χ^2/NDF: 1944359.2/31

All: 3756.736+/-0.436 χ^2/NDF: 4625946.8/65

- sign 3748.496+/-0.617 χ^2/NDF: 2681231.8/33

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 770.252+/-1156.771 χ^2/NDF:15.7/15

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

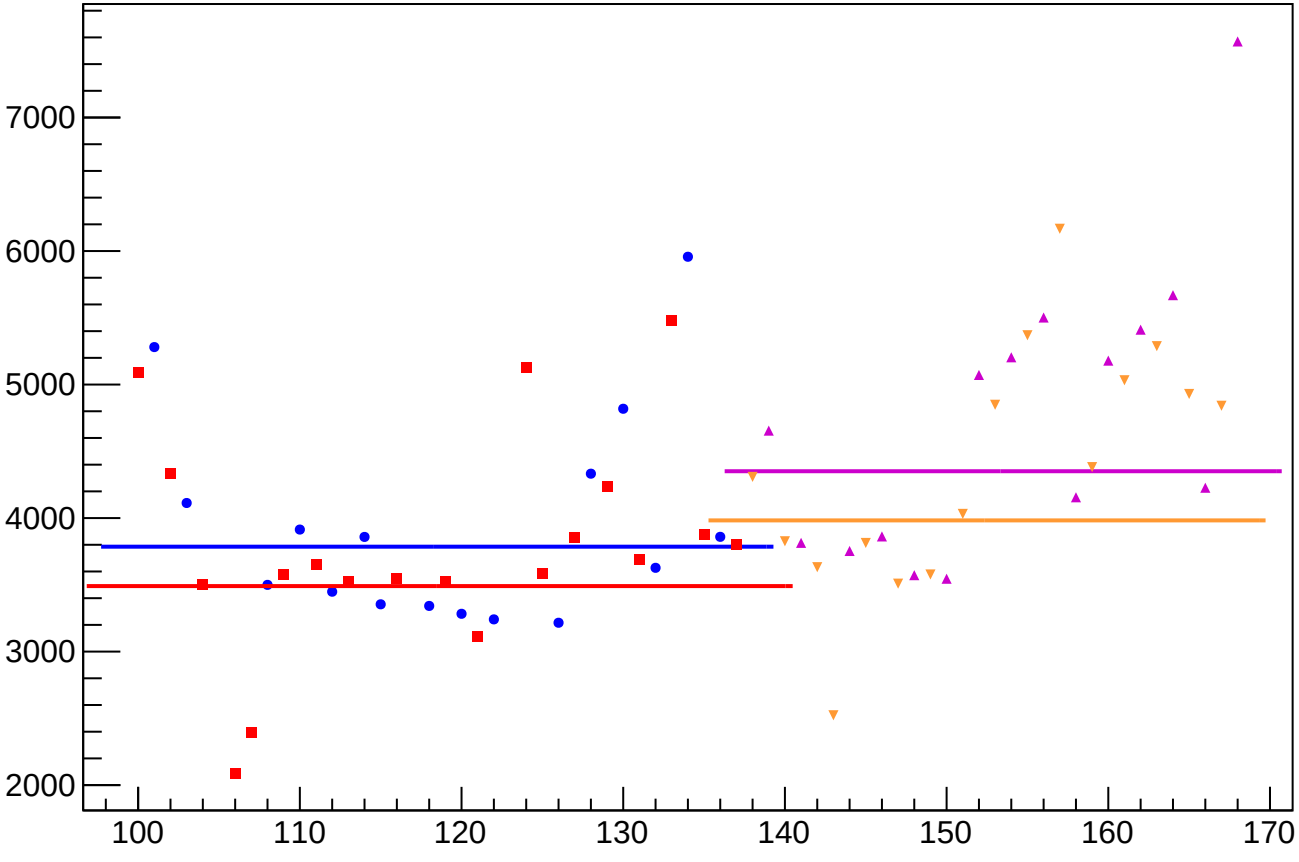
Left In: -683.377+/-1262.237 χ^2/NDF:9.2/14

+ sign -51.186+/-899.759 χ^2/NDF: 34.6/31

All: -156.501+/-642.415 χ^2/NDF: 55.7/65

- sign -266.016+/-917.525 χ^2/NDF: 21.1/33

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3982.603+/-0.818 χ^2/NDF:1266133.9/15

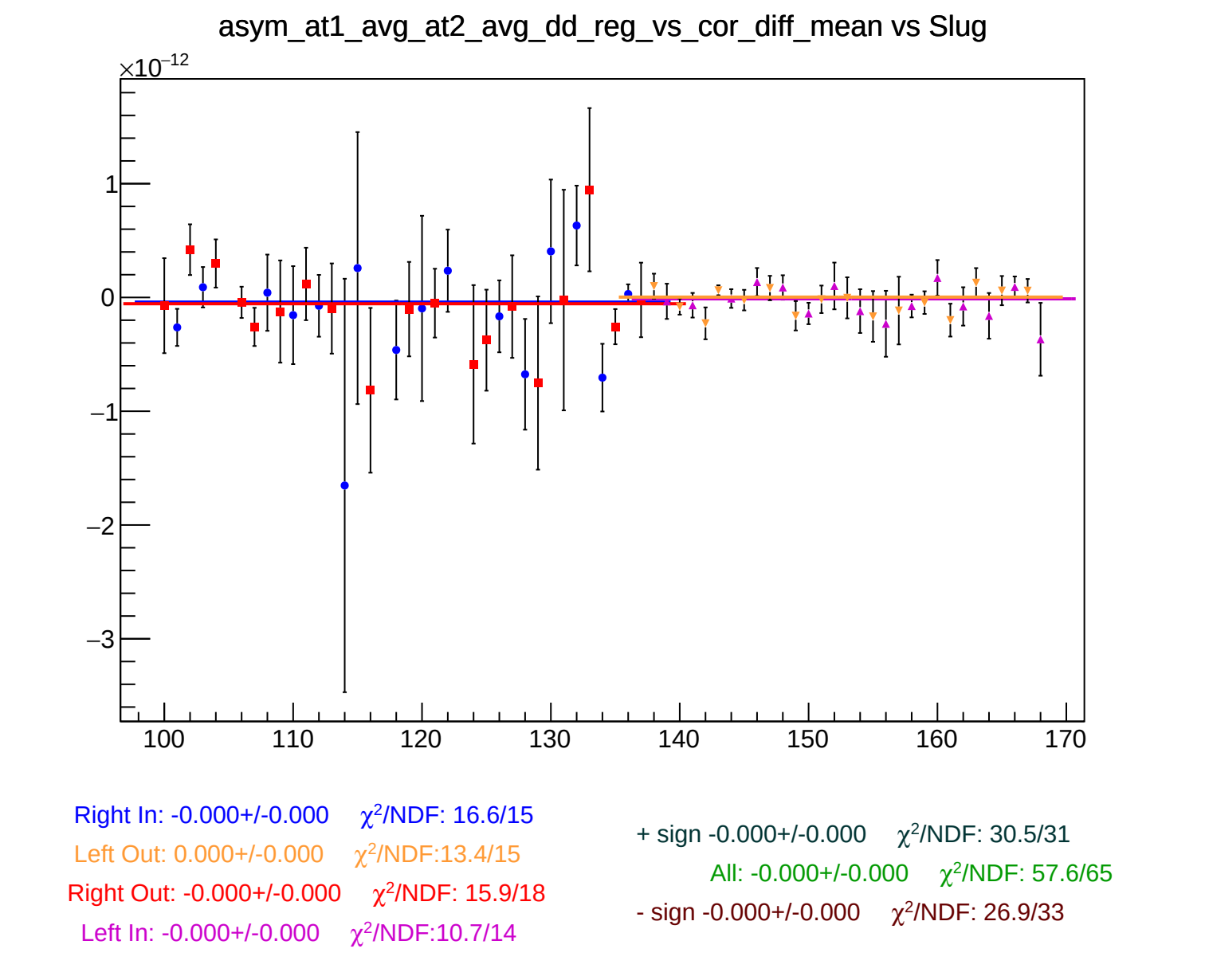
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

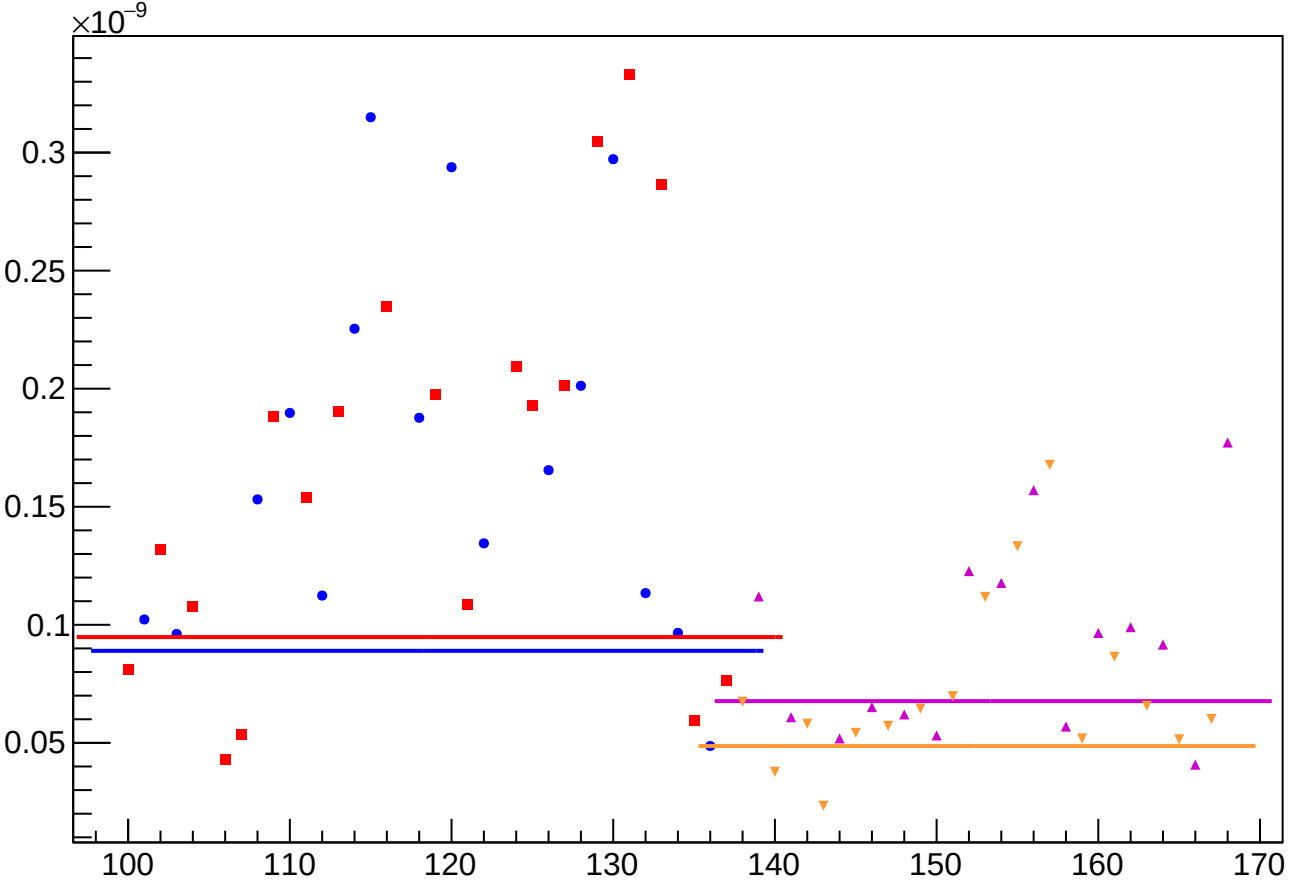
Left In: 4350.869+/-0.893 χ^2/NDF:926013.3/14

+ sign 3904.855+/-0.636 χ^2/NDF: 1671999.2/31

All: 3921.840+/-0.453 χ^2/NDF: 3630644.5/65

- sign 3939.275+/-0.645 χ^2/NDF: 1957201.0/33


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:13.4/15
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:10.7/14
+ sign -0.000+/-0.000 χ²/NDF: 30.5/31
All: -0.000+/-0.000 χ²/NDF: 57.6/65
- sign -0.000+/-0.000 χ²/NDF: 26.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1941642.8/15

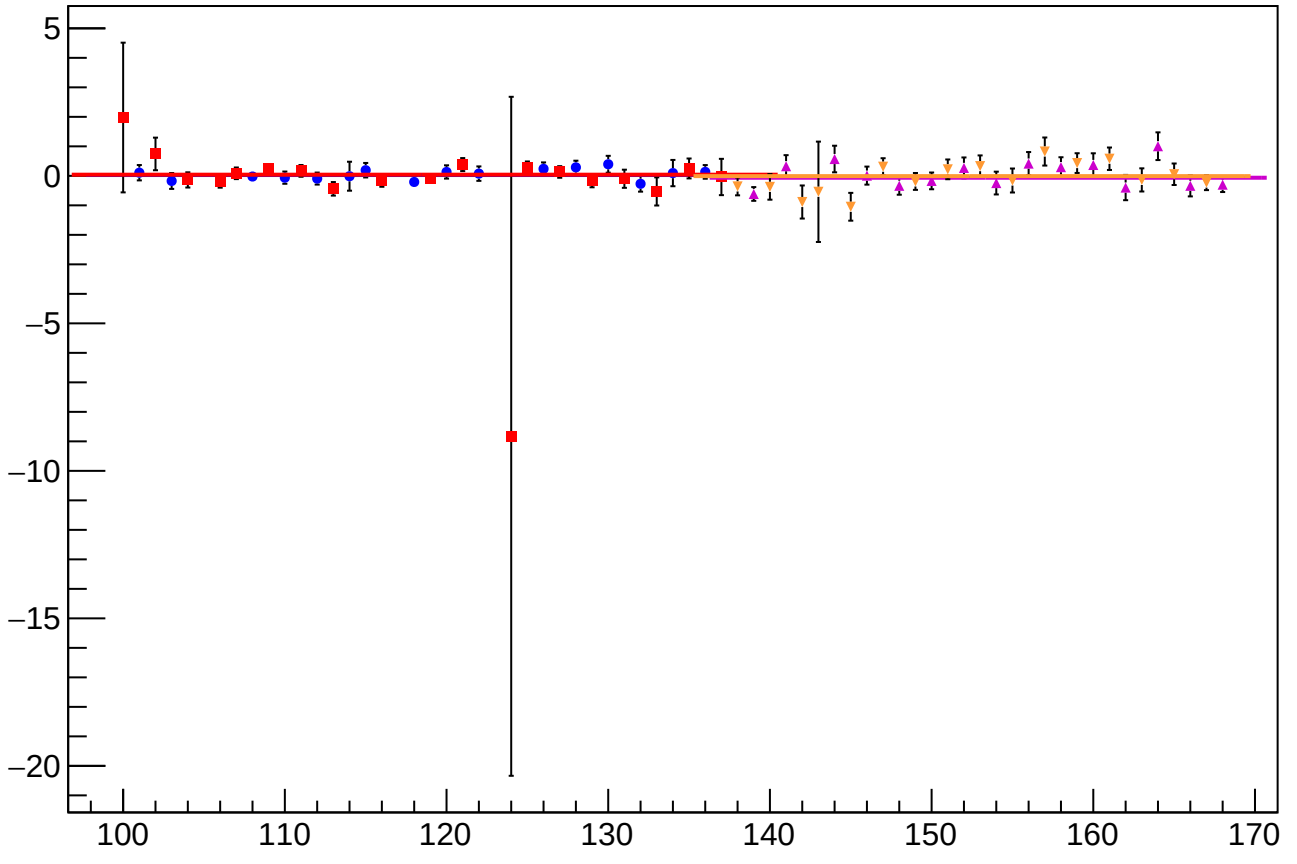
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1364563.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 4195488.6/31

All: 0.000+/-0.000 χ^2/NDF: 8080633.6/65

- sign 0.000+/-0.000 χ^2/NDF: 3384161.0/33



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

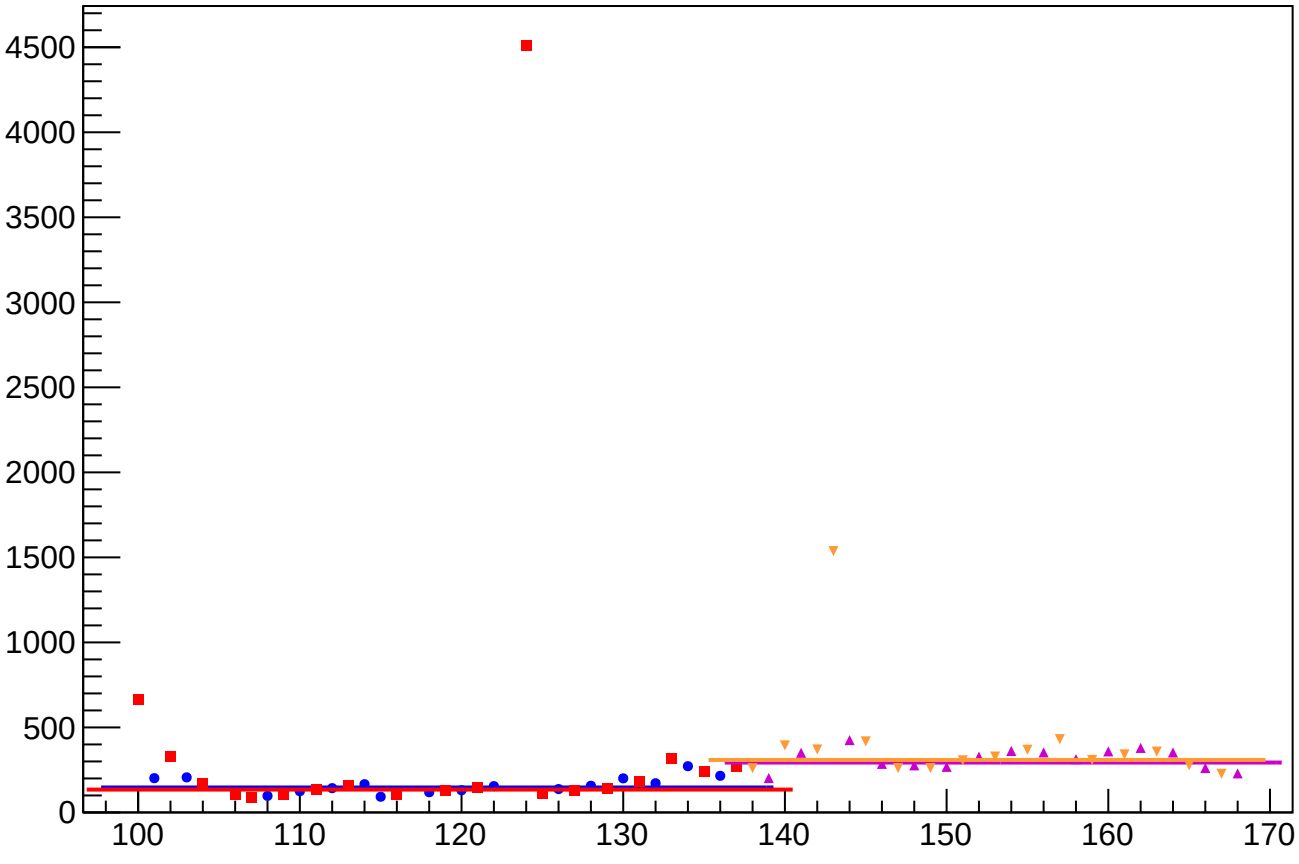
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.086 χ^2/NDF:21.8/14

+ sign 0.017+/-0.049 χ^2/NDF: 30.2/31

All: 0.013+/-0.034 χ^2/NDF: 73.1/65

- sign 0.009+/-0.046 χ^2/NDF: 42.9/33



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 308.672+/-0.064 χ^2/NDF:1856686.7/15

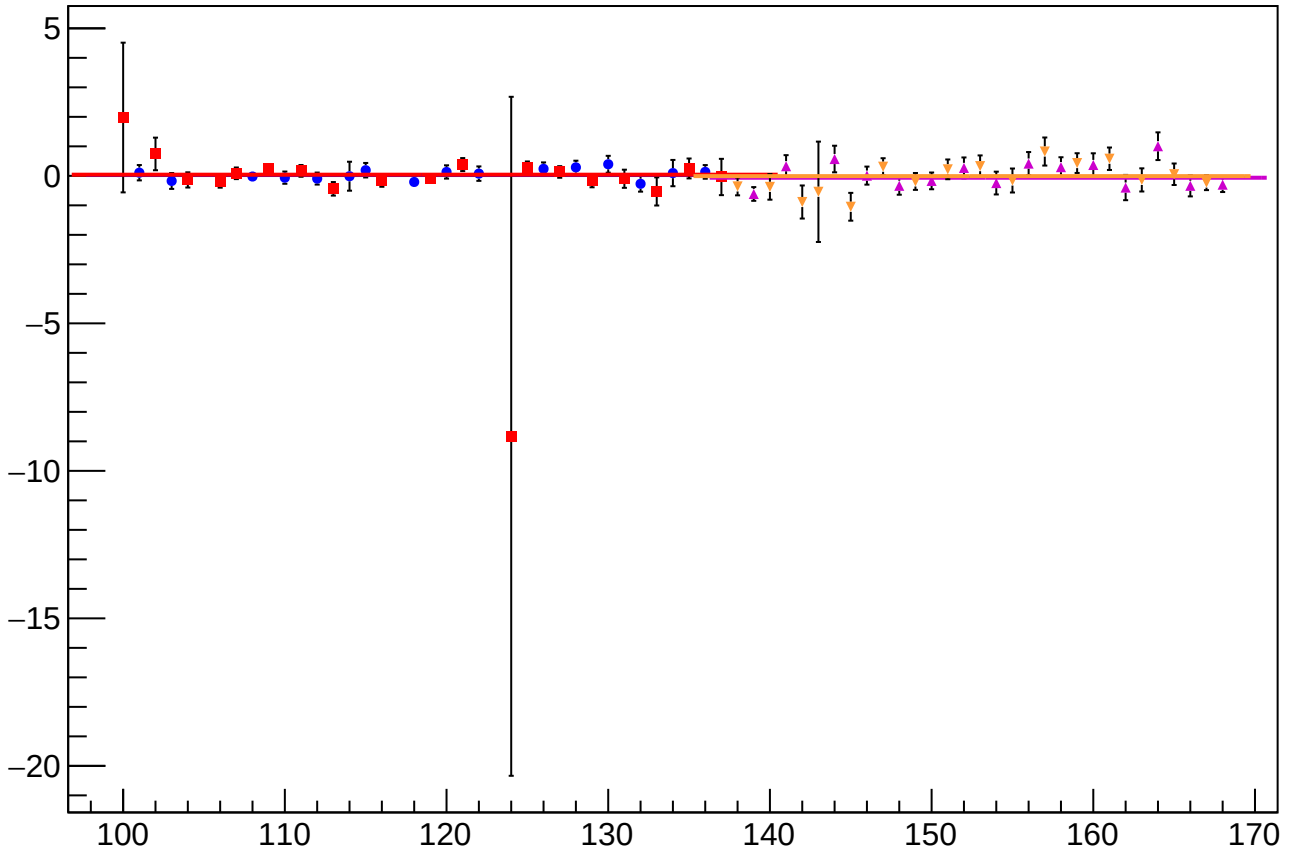
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 293.553+/-0.061 χ^2/NDF:996096.2/14

+ sign 193.213+/-0.034 χ^2/NDF: 7364639.7/31

All: 186.405+/-0.024 χ^2/NDF: 14893749.1/65

- sign 180.280+/-0.033 χ^2/NDF: 7454978.3/33



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

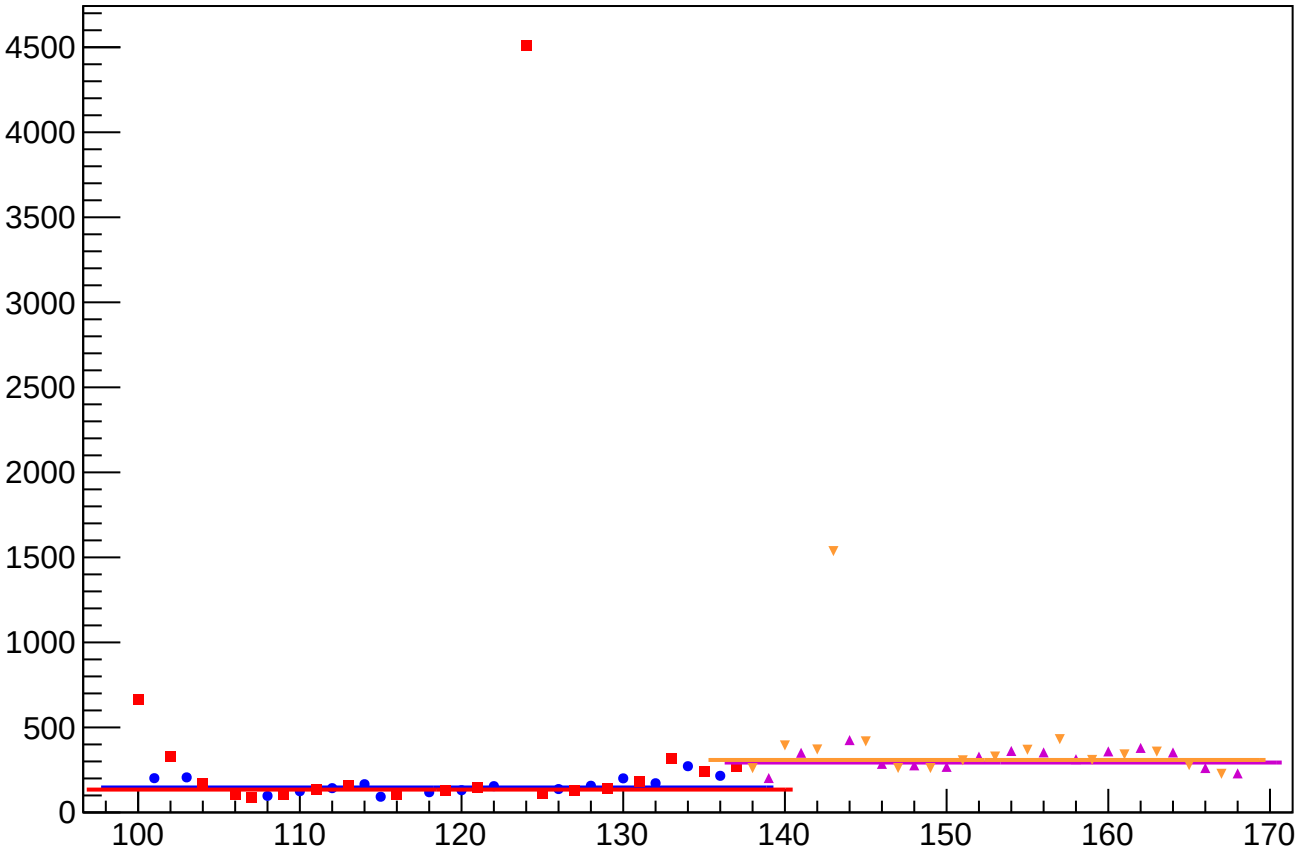
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.086 χ^2/NDF:21.8/14

+ sign 0.017+/-0.049 χ^2/NDF: 30.2/31

All: 0.013+/-0.034 χ^2/NDF: 73.1/65

- sign 0.009+/-0.046 χ^2/NDF: 42.9/33



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 308.672+/-0.064 χ^2/NDF:1856686.7/15

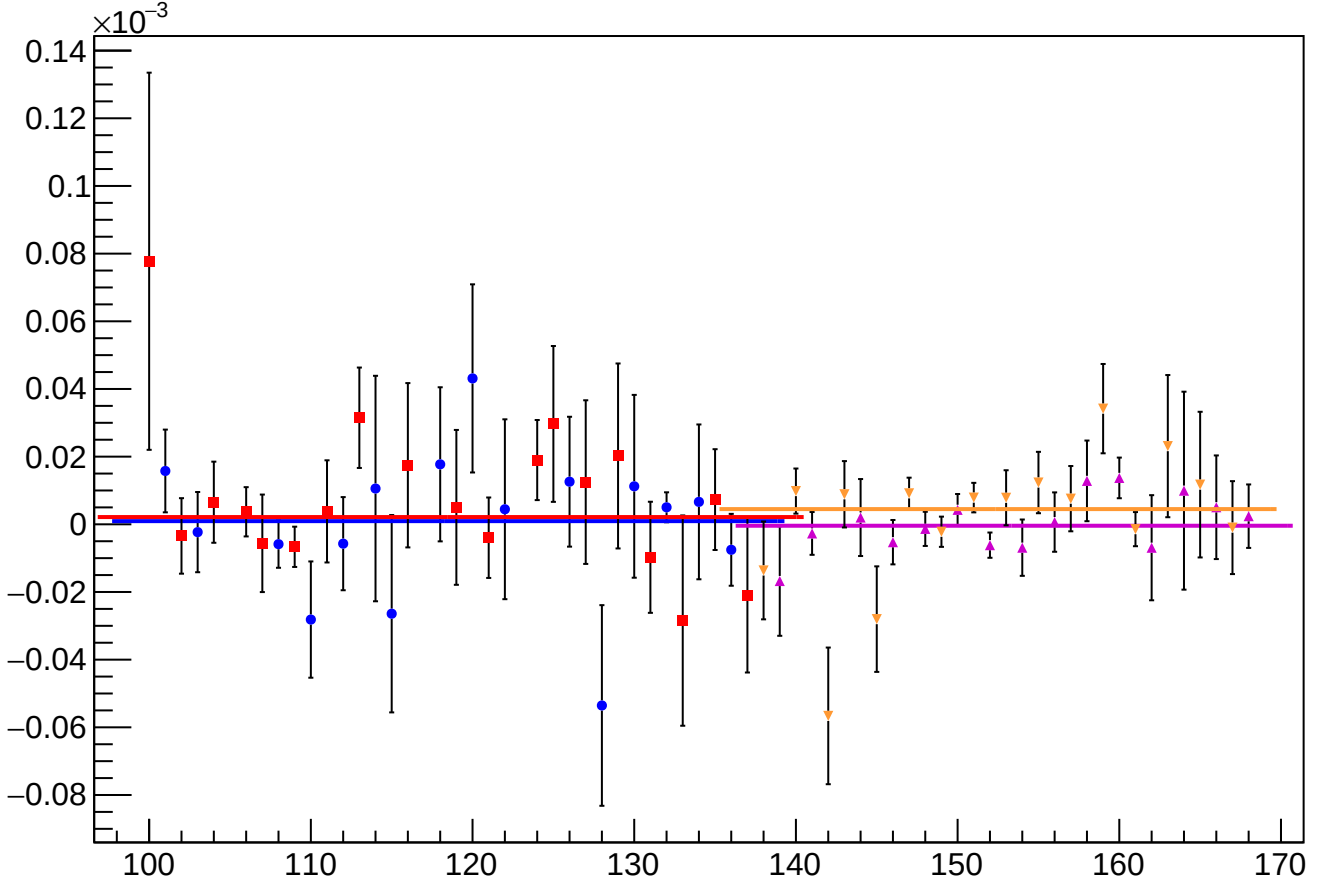
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 293.553+/-0.061 χ^2/NDF:996096.2/14

+ sign 193.213+/-0.034 χ^2/NDF: 7364639.7/31

All: 186.405+/-0.024 χ^2/NDF: 14893749.1/65

- sign 180.280+/-0.033 χ^2/NDF: 7454978.3/33



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/15

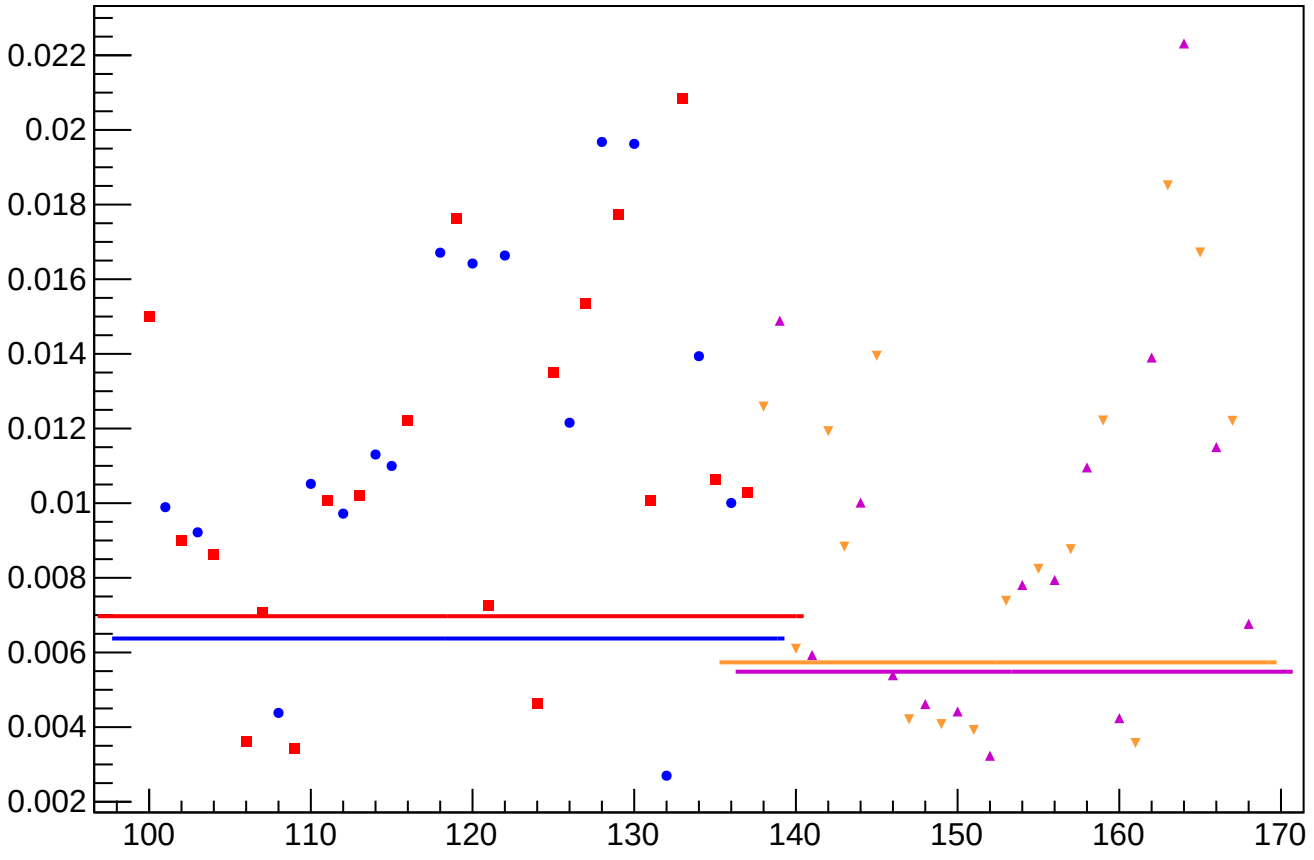
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/31

All: 0.000+/-0.000 χ^2/NDF: 75.9/65

- sign 0.000+/-0.000 χ^2/NDF: 29.6/33



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:5220472.8/15

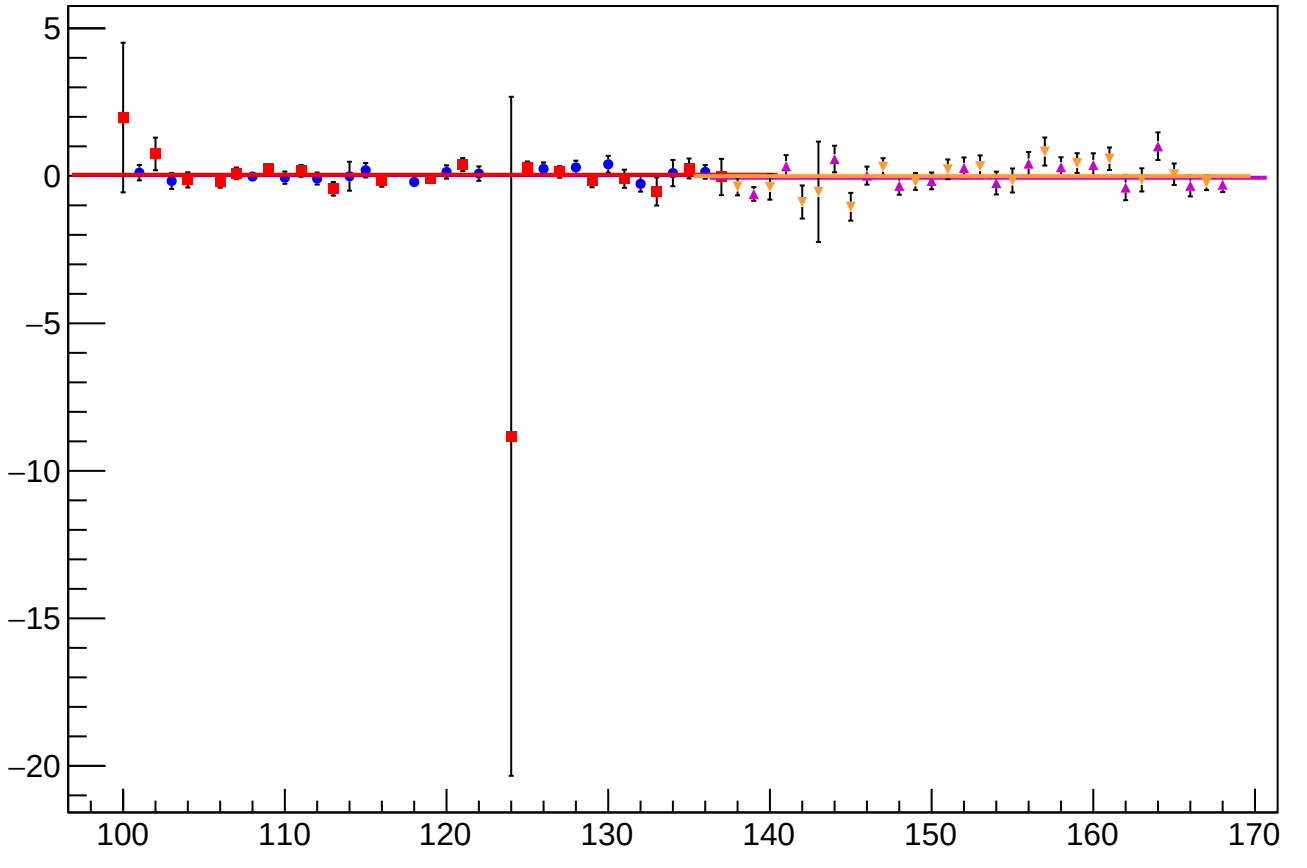
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:4308342.8/14

+ sign 0.006+/-0.000 χ^2/NDF: 9927954.7/31

All: 0.006+/-0.000 χ^2/NDF: 18002791.7/65

- sign 0.006+/-0.000 χ^2/NDF: 8074308.1/33



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

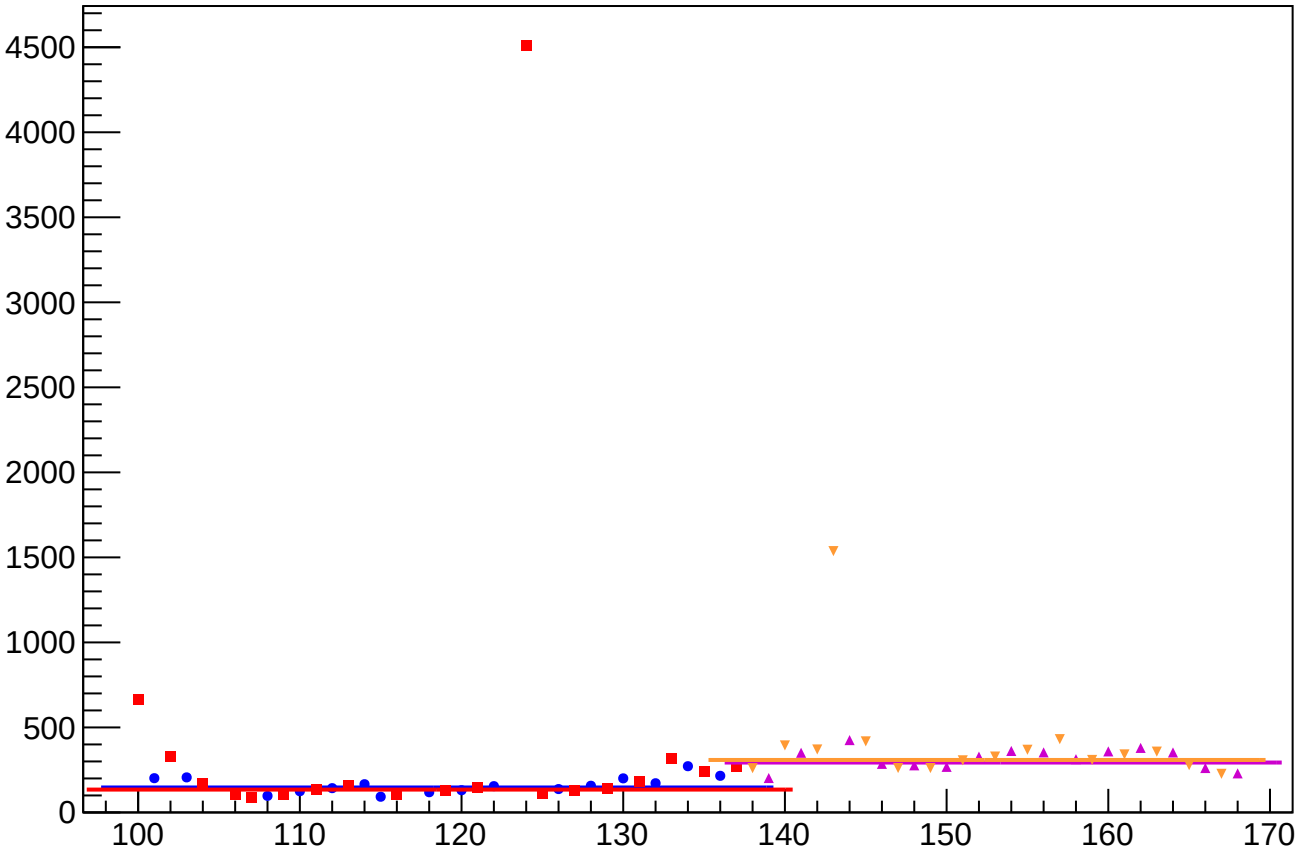
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.086 χ^2/NDF:21.8/14

+ sign 0.017+/-0.049 χ^2/NDF: 30.2/31

All: 0.013+/-0.034 χ^2/NDF: 73.1/65

- sign 0.009+/-0.046 χ^2/NDF: 42.9/33



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 308.676+/-0.064 χ^2/NDF:1856703.9/15

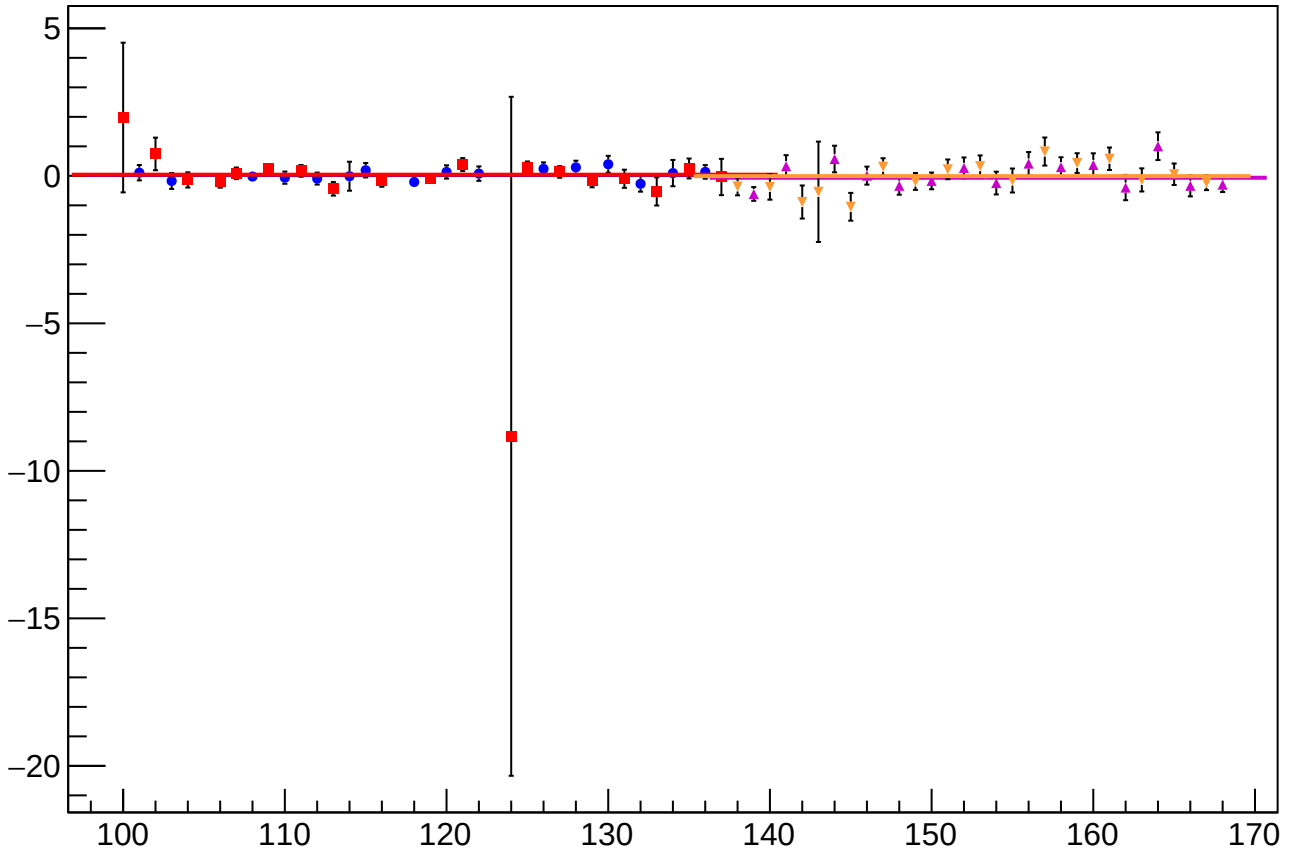
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 293.557+/-0.061 χ^2/NDF:996077.4/14

+ sign 193.213+/-0.034 χ^2/NDF: 7364748.7/31

All: 186.406+/-0.024 χ^2/NDF: 14893829.9/65

- sign 180.282+/-0.033 χ^2/NDF: 7454968.9/33



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

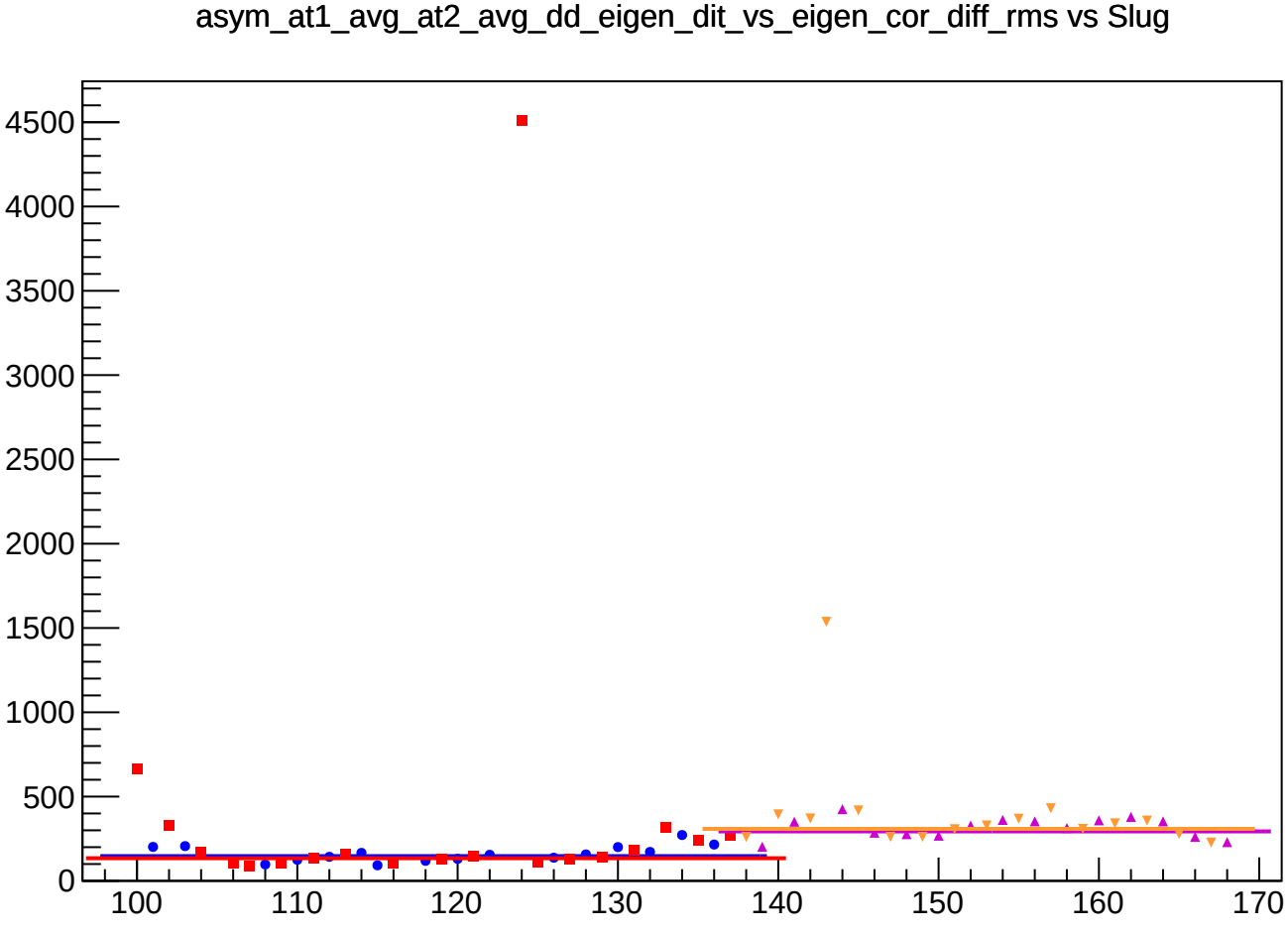
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.086 χ^2/NDF:21.8/14

+ sign 0.017+/-0.049 χ^2/NDF: 30.2/31

All: 0.013+/-0.034 χ^2/NDF: 73.1/65

- sign 0.009+/-0.046 χ^2/NDF: 42.9/33



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 308.676+/-0.064 χ^2/NDF:1856703.9/15

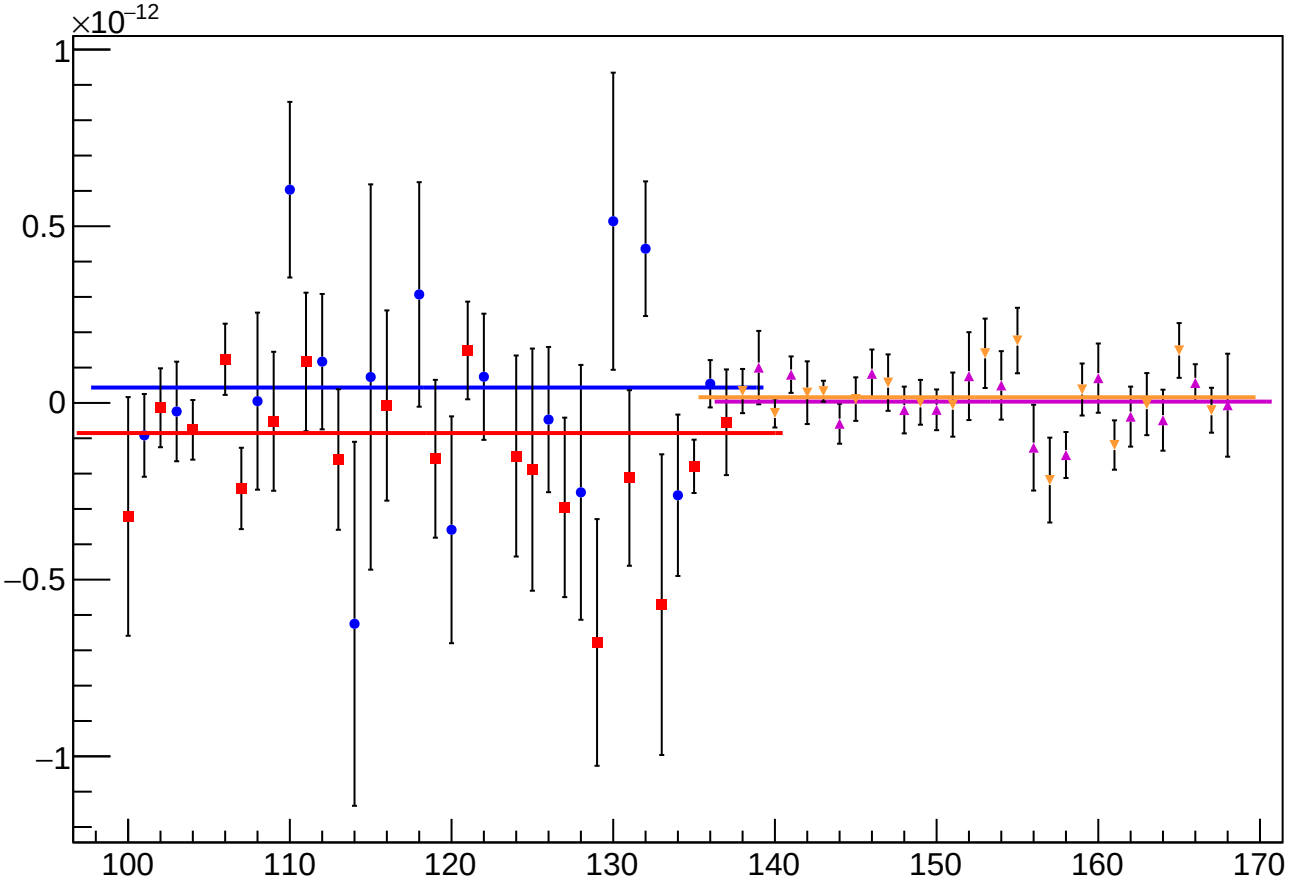
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 293.557+/-0.061 χ^2/NDF:996077.4/14

+ sign 193.213+/-0.034 χ^2/NDF: 7364748.7/31

All: 186.406+/-0.024 χ^2/NDF: 14893829.9/65

- sign 180.282+/-0.033 χ^2/NDF: 7454968.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/15

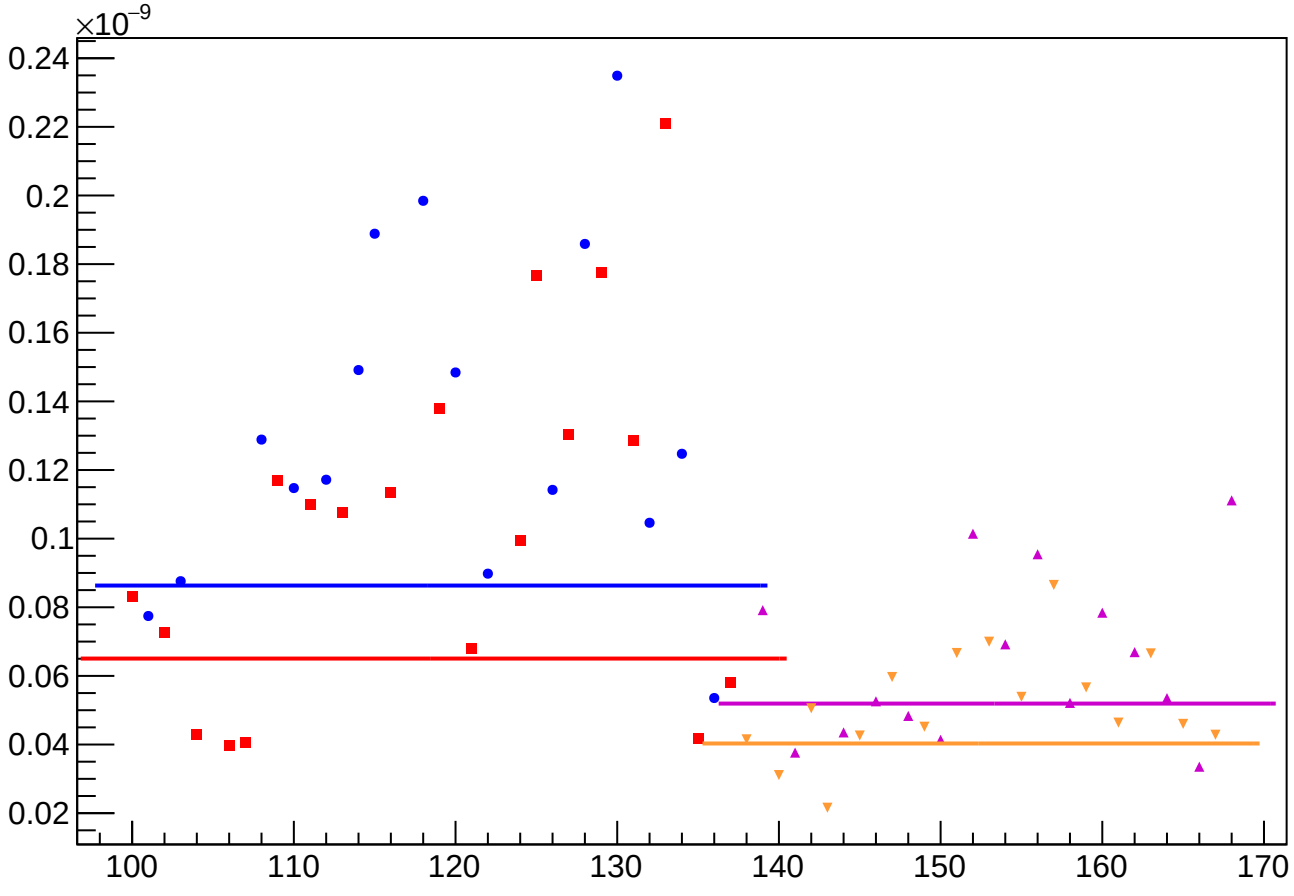
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 36.9/31

All: 0.000+/-0.000 χ^2/NDF: 78.1/65

- sign -0.000+/-0.000 χ^2/NDF: 38.4/33



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2056248.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

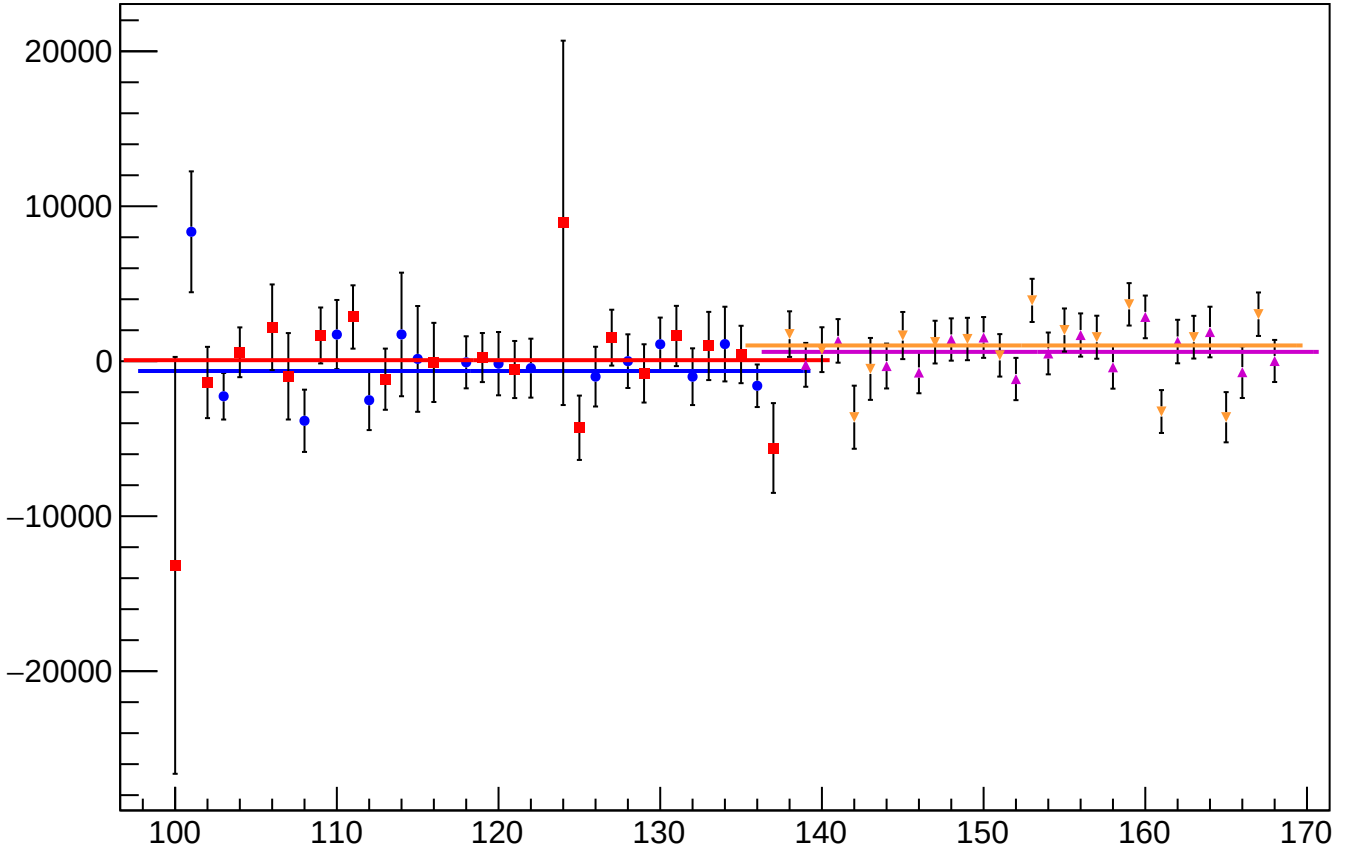
Left In: 0.000+/-0.000 χ^2/NDF:1827017.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 5670170.6/31

All: 0.000+/-0.000 χ^2/NDF: 10236424.1/65

- sign 0.000+/-0.000 χ^2/NDF: 4210647.2/33

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.080+/-365.671 χ^2/NDF:35.2/15

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

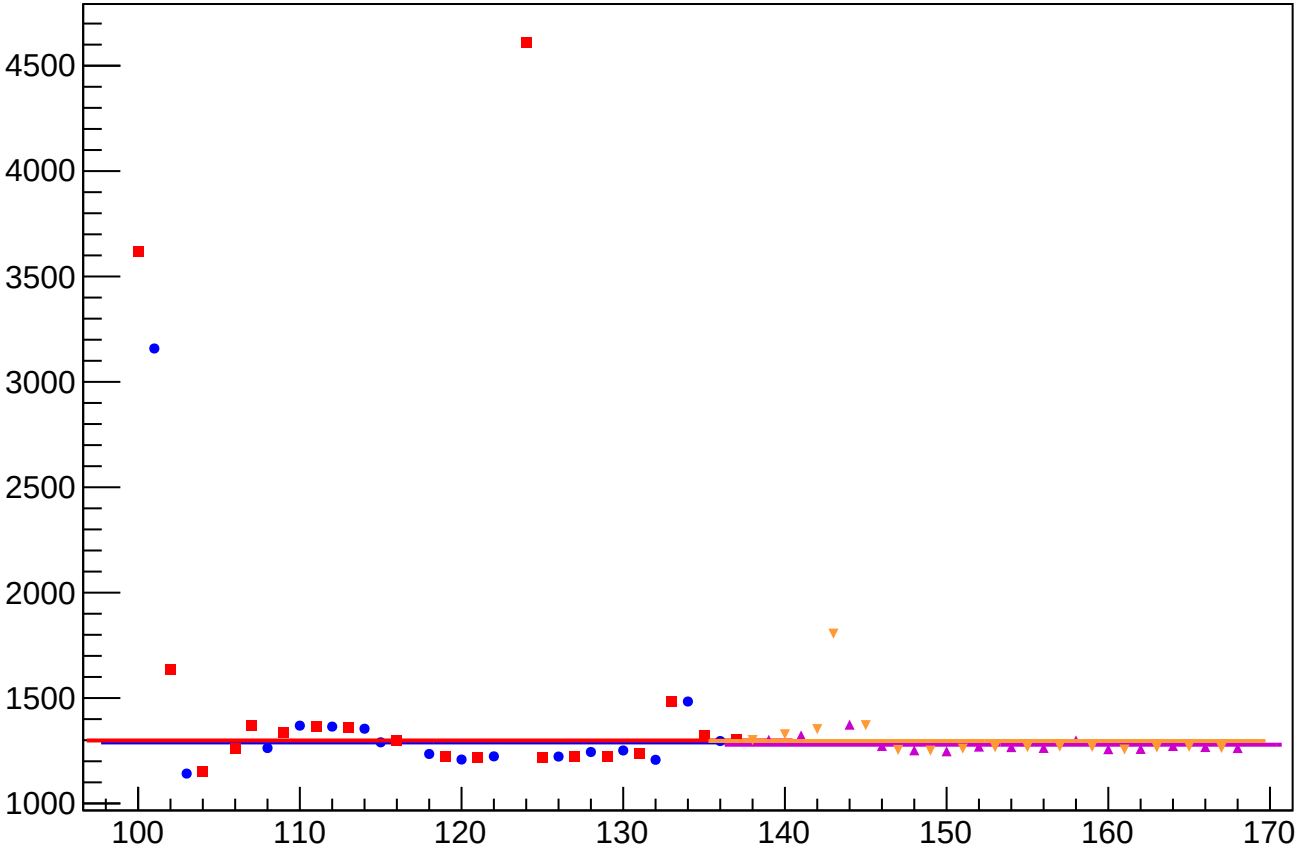
Left In: 602.937+/-363.027 χ^2/NDF:9.9/14

\+ sign 426.111+/-292.774 χ^2/NDF: 56.4/31

All: 419.077+/-206.471 χ^2/NDF: 83.0/65

\- sign 412.118+/-291.220 χ^2/NDF: 26.6/33

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

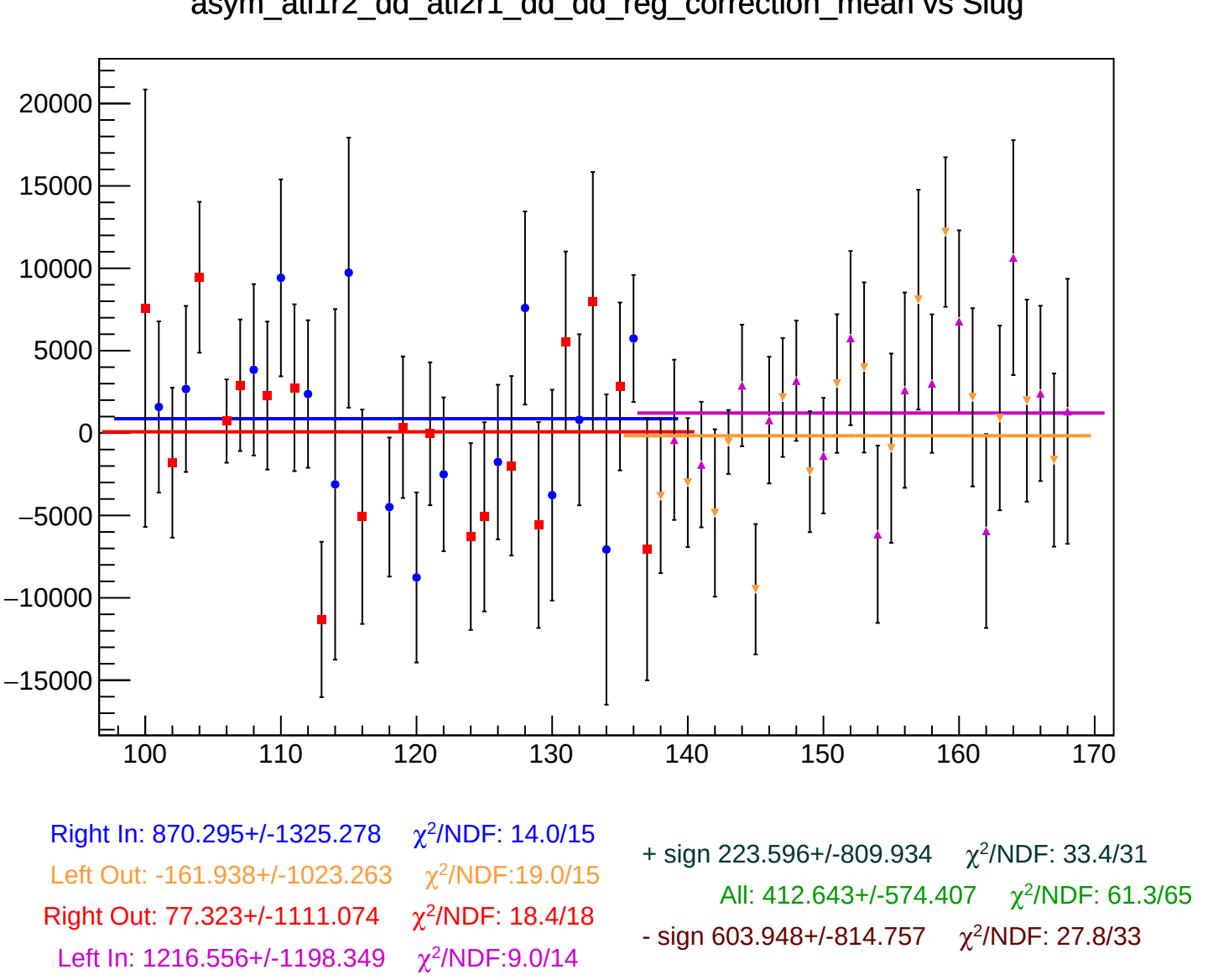
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

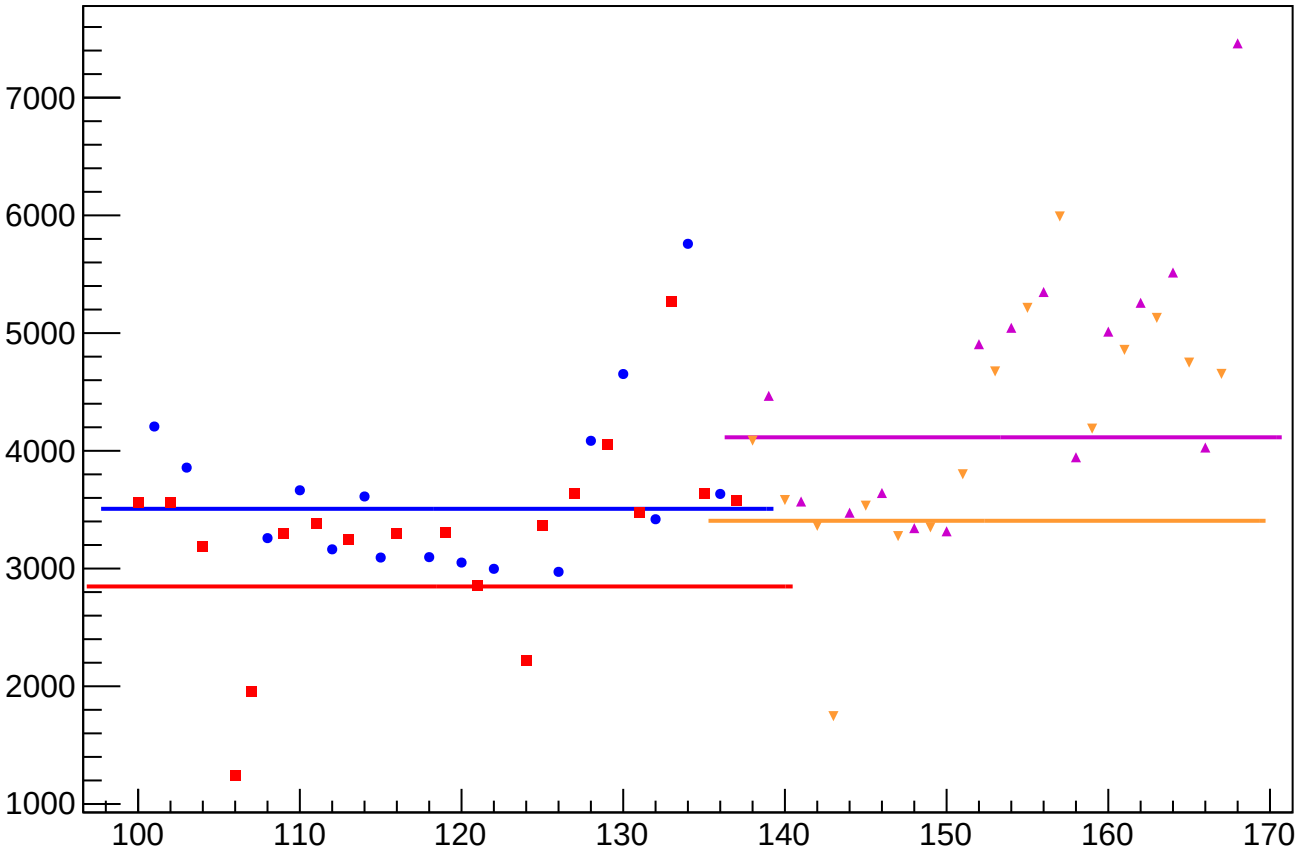
Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

+ sign 1293.746+/-0.207 χ^2/NDF: 665500.6/31

All: 1289.739+/-0.146 χ^2/NDF: 1003012.3/65

- sign 1285.781+/-0.206 χ^2/NDF: 336766.8/33


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -161.938+/-1023.263 χ²/NDF:19.0/15
Right Out: 77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 1216.556+/-1198.349 χ²/NDF:9.0/14
+ sign 223.596+/-809.934 χ²/NDF: 33.4/31
All: 412.643+/-574.407 χ²/NDF: 61.3/65
- sign 603.948+/-814.757 χ²/NDF: 27.8/33



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3405.727+/-0.724 χ^2/NDF:2754433.7/15

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

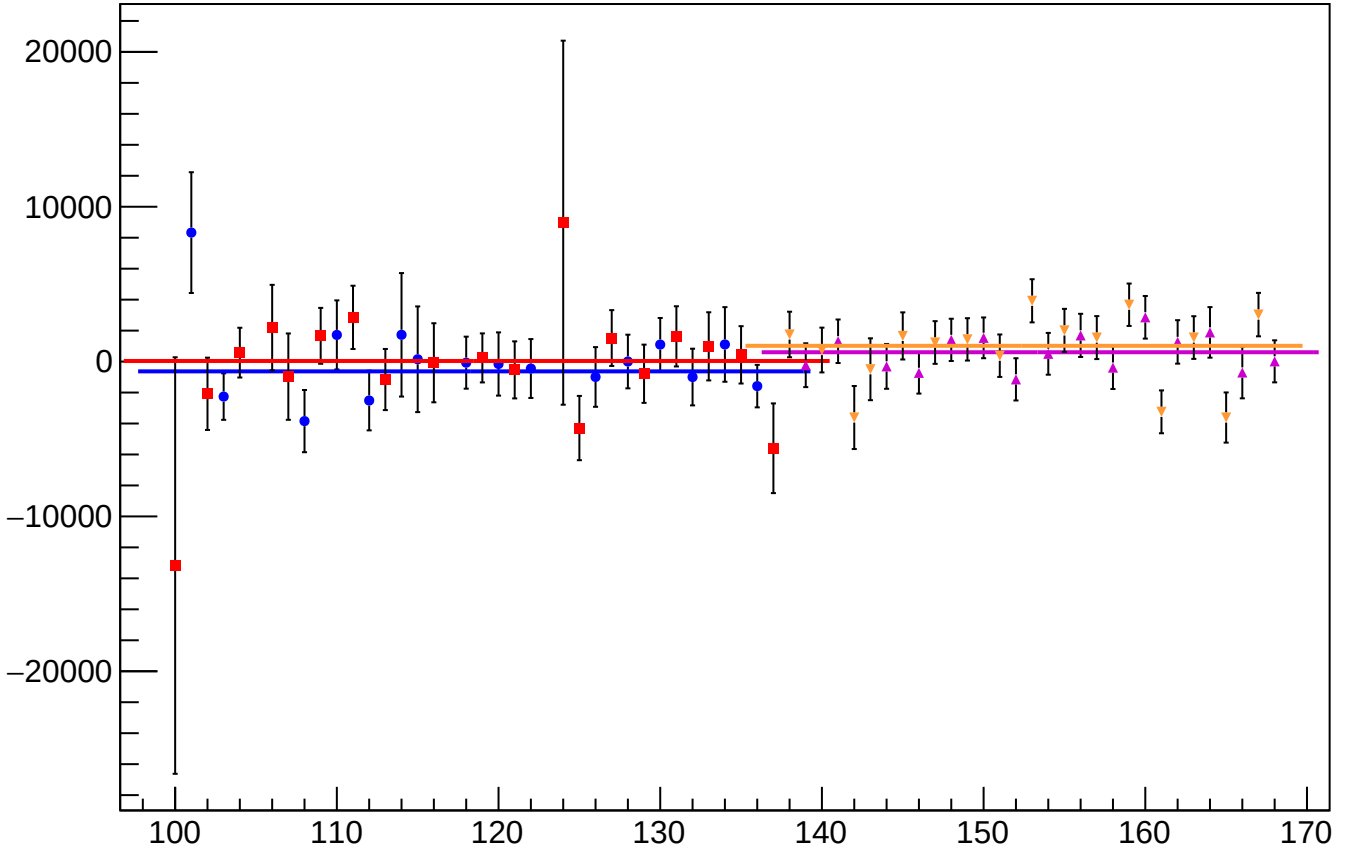
Left In: 4114.845+/-0.847 χ^2/NDF:1081883.1/14

+ sign 3443.700+/-0.573 χ^2/NDF: 3115787.2/31

All: 3438.643+/-0.406 χ^2/NDF: 6899449.6/65

- sign 3433.525+/-0.576 χ^2/NDF: 3783505.6/33

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.118+/-365.671 χ^2/NDF:35.2/15

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

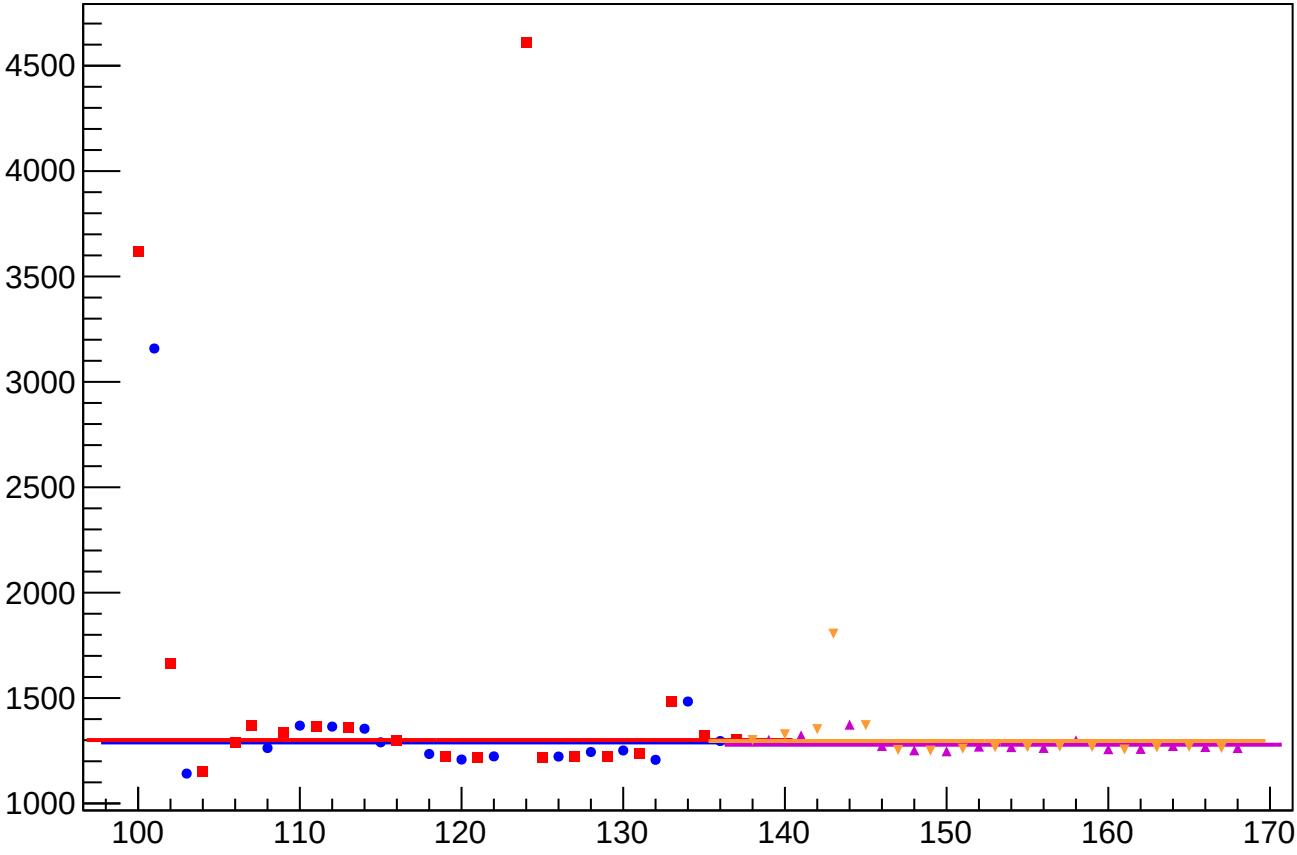
Left In: 602.935+/-363.027 χ^2/NDF:9.9/14

\+ sign 425.997+/-292.774 χ^2/NDF: 56.4/31

All: 413.909+/-206.496 χ^2/NDF: 83.5/65

\- sign 401.943+/-291.289 χ^2/NDF: 27.1/33

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

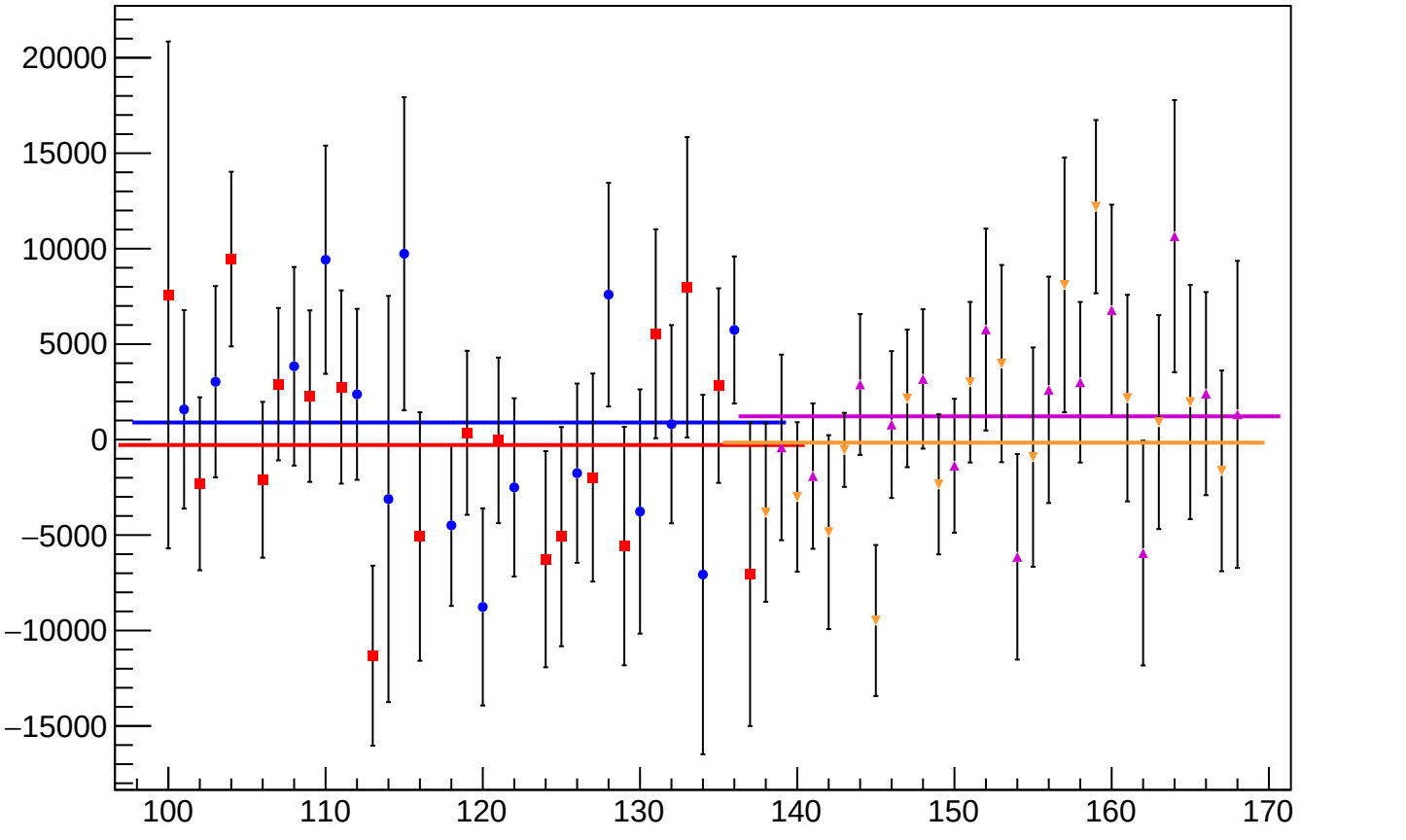
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

+ sign 1293.746+/-0.207 χ^2/NDF: 665502.1/31

All: 1290.098+/-0.146 χ^2/NDF: 1009878.0/65

- sign 1286.492+/-0.206 χ^2/NDF: 343758.5/33



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -161.836+/-1023.261 χ^2/NDF:19.0/15

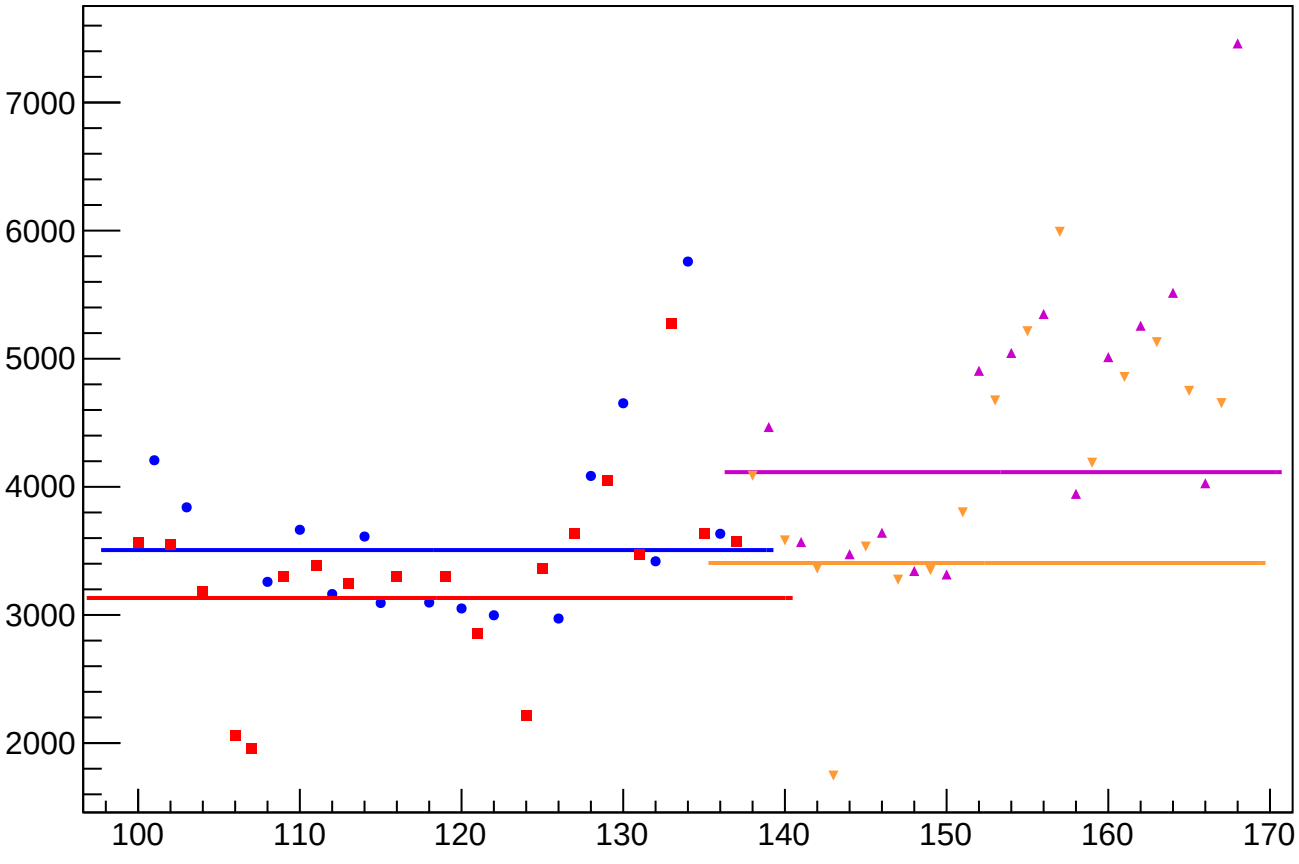
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1216.598+/-1198.348 χ^2/NDF:9.0/14

+ sign 233.436+/-809.829 χ^2/NDF: 33.4/31

All: 340.755+/-583.658 χ^2/NDF: 61.9/65

- sign 456.755+/-841.943 χ^2/NDF: 28.4/33



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3405.717+/-0.724 χ^2/NDF:2754464.2/15

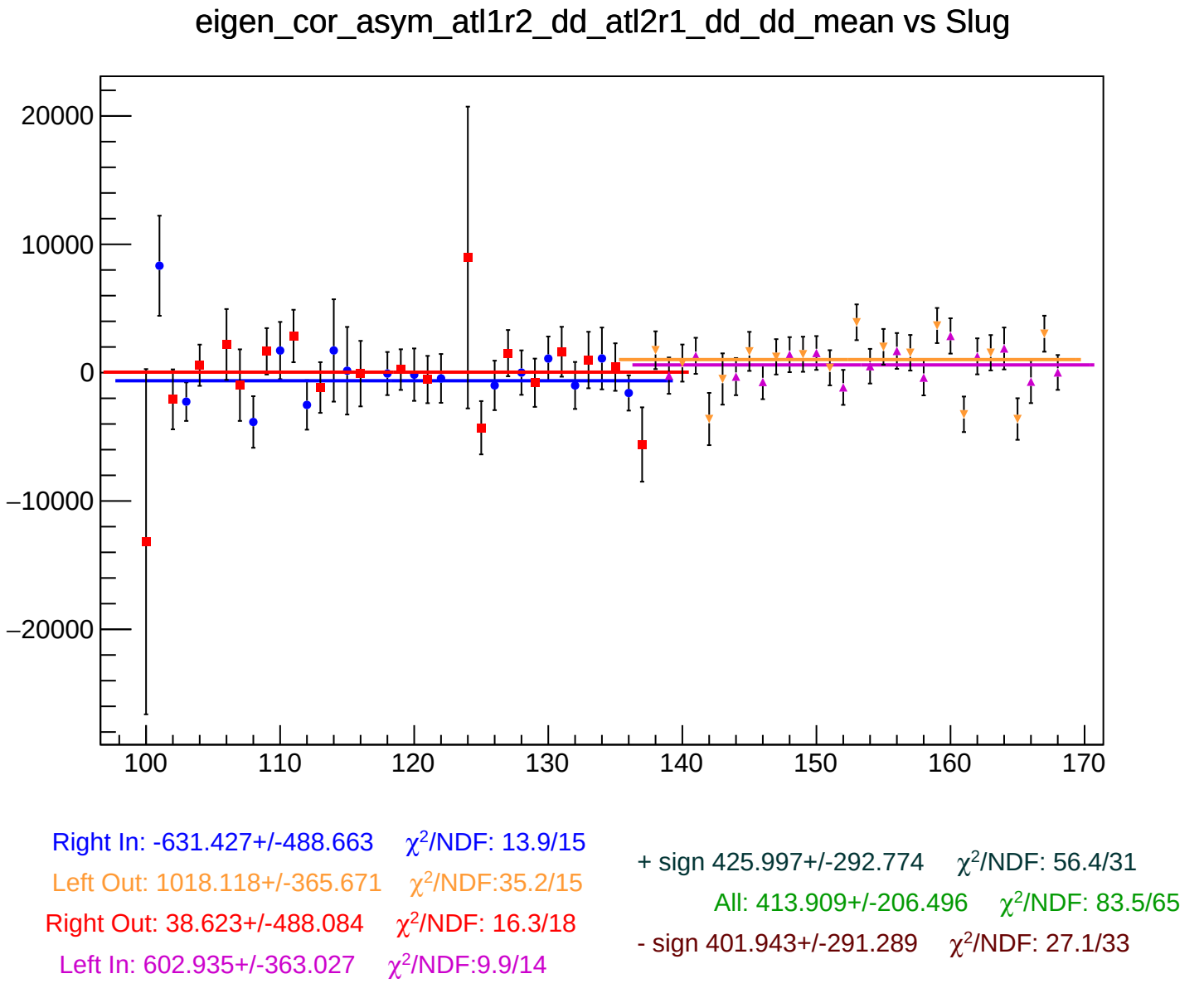
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

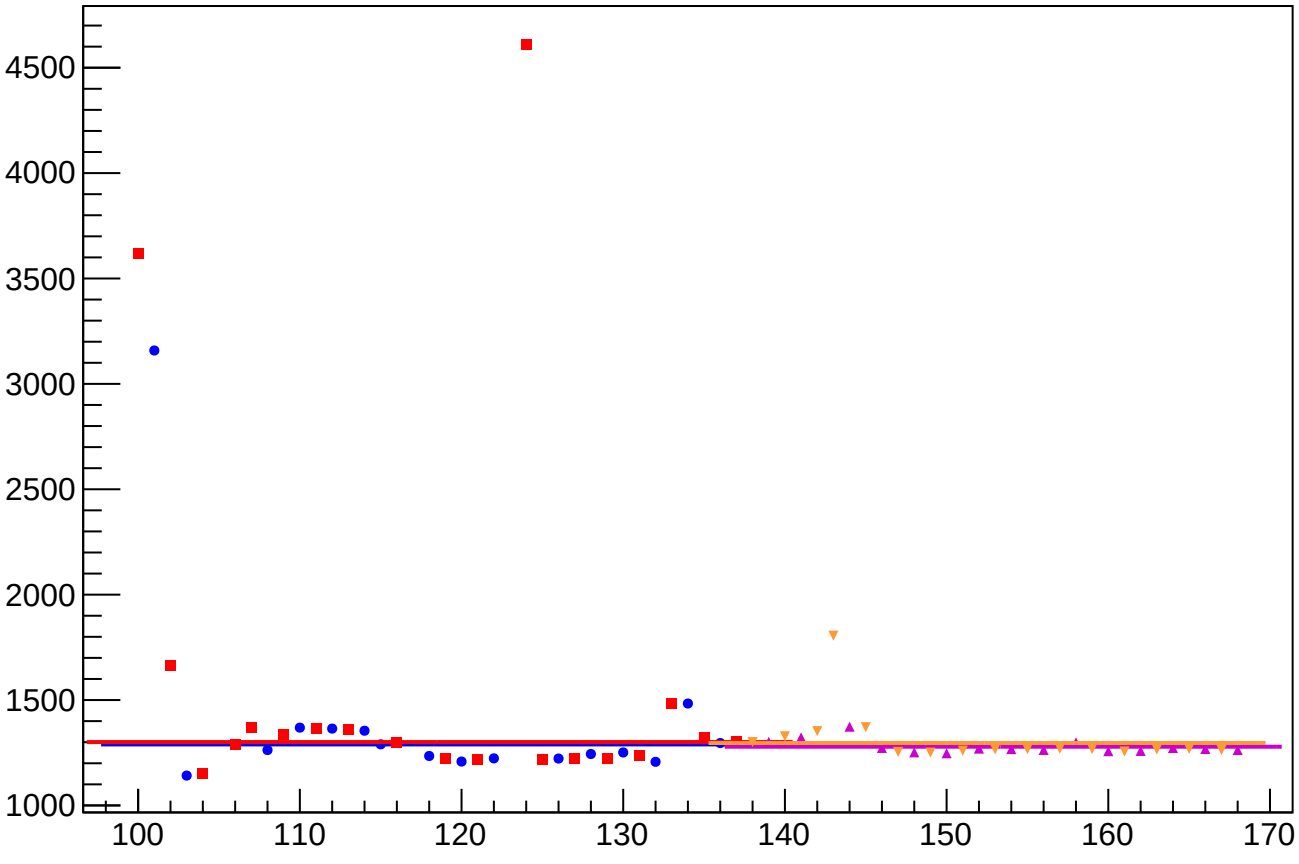
Left In: 4114.841+/-0.847 χ^2/NDF:1081884.2/14

+ sign 3443.369+/-0.573 χ^2/NDF: 3114949.0/31

All: 3527.028+/-0.413 χ^2/NDF: 5571285.3/65

- sign 3617.454+/-0.595 χ^2/NDF: 2411922.6/33


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 1018.118+/-365.671 χ²/NDF:35.2/15
Right Out: 38.623+/-488.084 χ²/NDF: 16.3/18
Left In: 602.935+/-363.027 χ²/NDF:9.9/14
+ sign 425.997+/-292.774 χ²/NDF: 56.4/31
All: 413.909+/-206.496 χ²/NDF: 83.5/65
- sign 401.943+/-291.289 χ²/NDF: 27.1/33



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

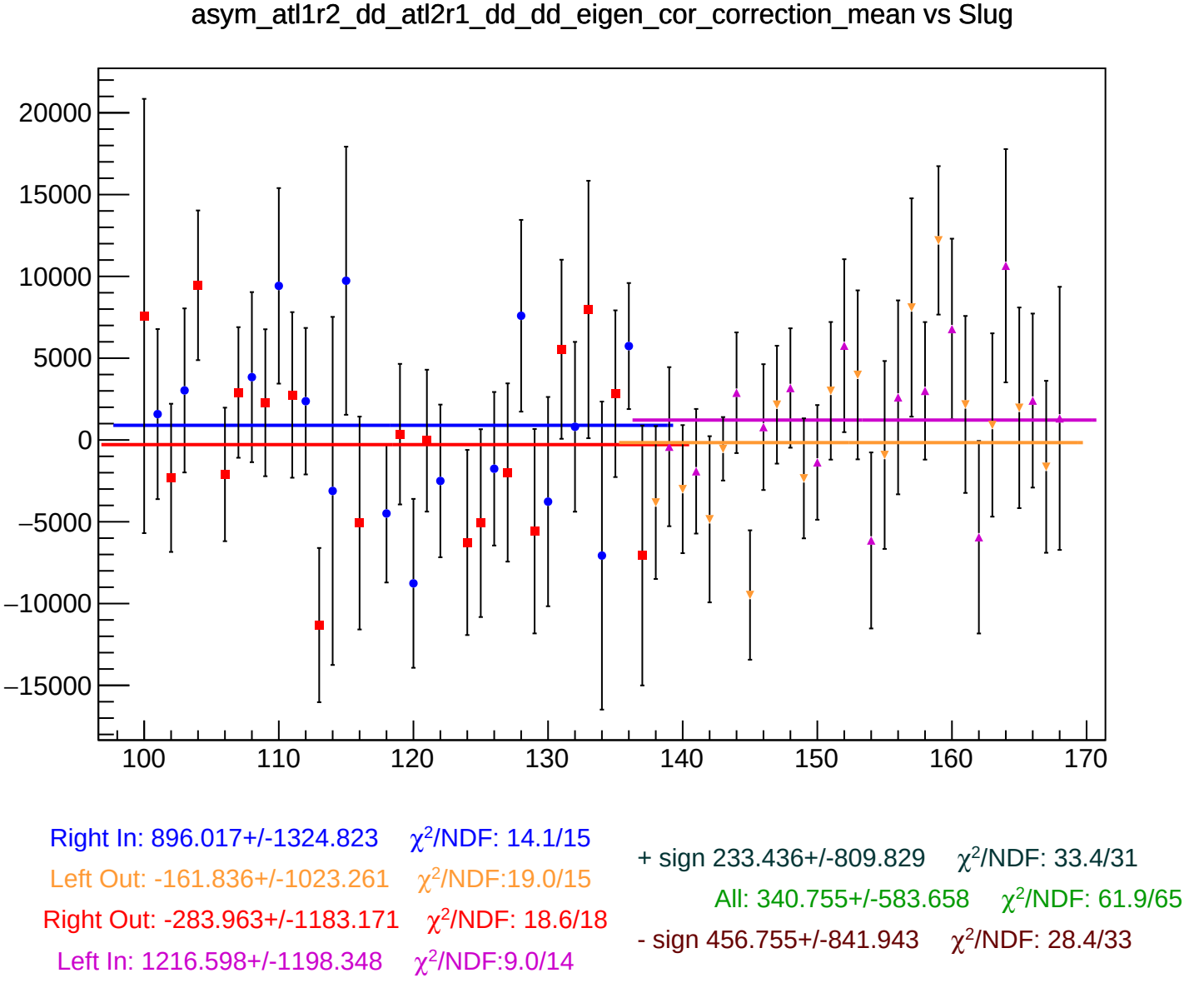
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

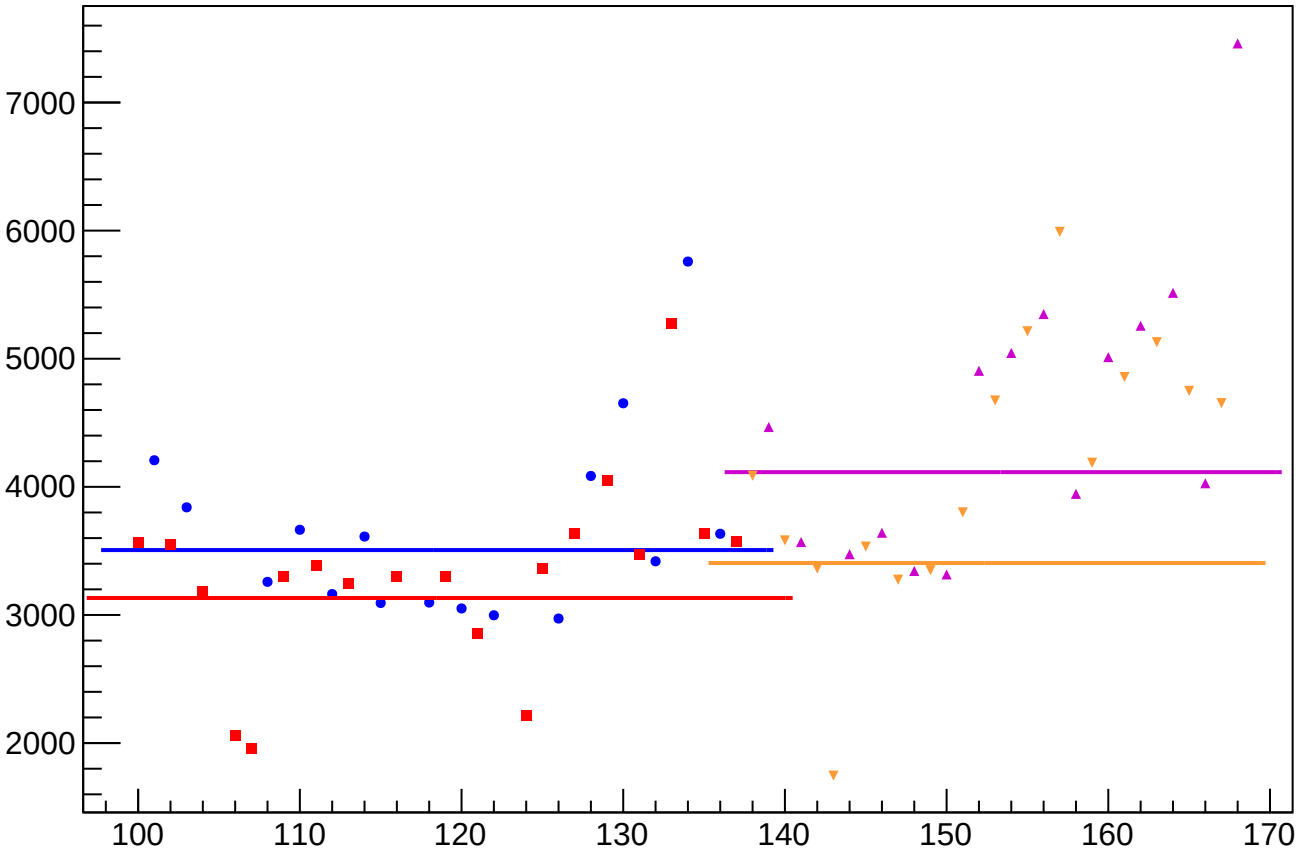
Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

+ sign 1293.746+/-0.207 χ^2/NDF: 665502.1/31

All: 1290.098+/-0.146 χ^2/NDF: 1009878.0/65

- sign 1286.492+/-0.206 χ^2/NDF: 343758.5/33


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: -161.836+/-1023.261 χ²/NDF:19.0/15
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 1216.598+/-1198.348 χ²/NDF:9.0/14
+ sign 233.436+/-809.829 χ²/NDF: 33.4/31
All: 340.755+/-583.658 χ²/NDF: 61.9/65
- sign 456.755+/-841.943 χ²/NDF: 28.4/33



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3405.717+/-0.724 χ^2/NDF:2754464.2/15

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

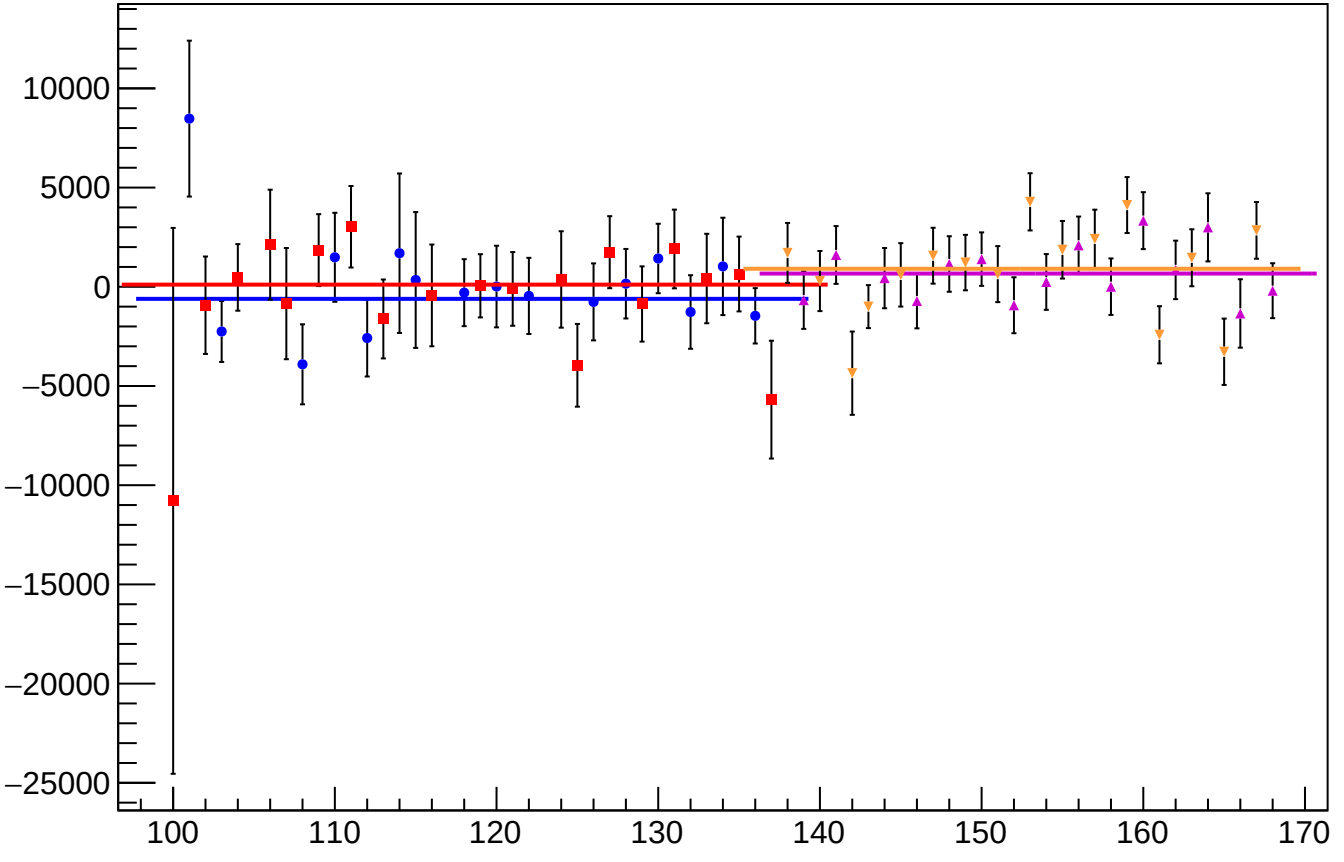
Left In: 4114.841+/-0.847 χ^2/NDF:1081884.2/14

+ sign 3443.369+/-0.573 χ^2/NDF: 3114949.0/31

All: 3527.028+/-0.413 χ^2/NDF: 5571285.3/65

- sign 3617.454+/-0.595 χ^2/NDF: 2411922.6/33

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 908.293+/-362.846 χ^2/NDF:35.9/15

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

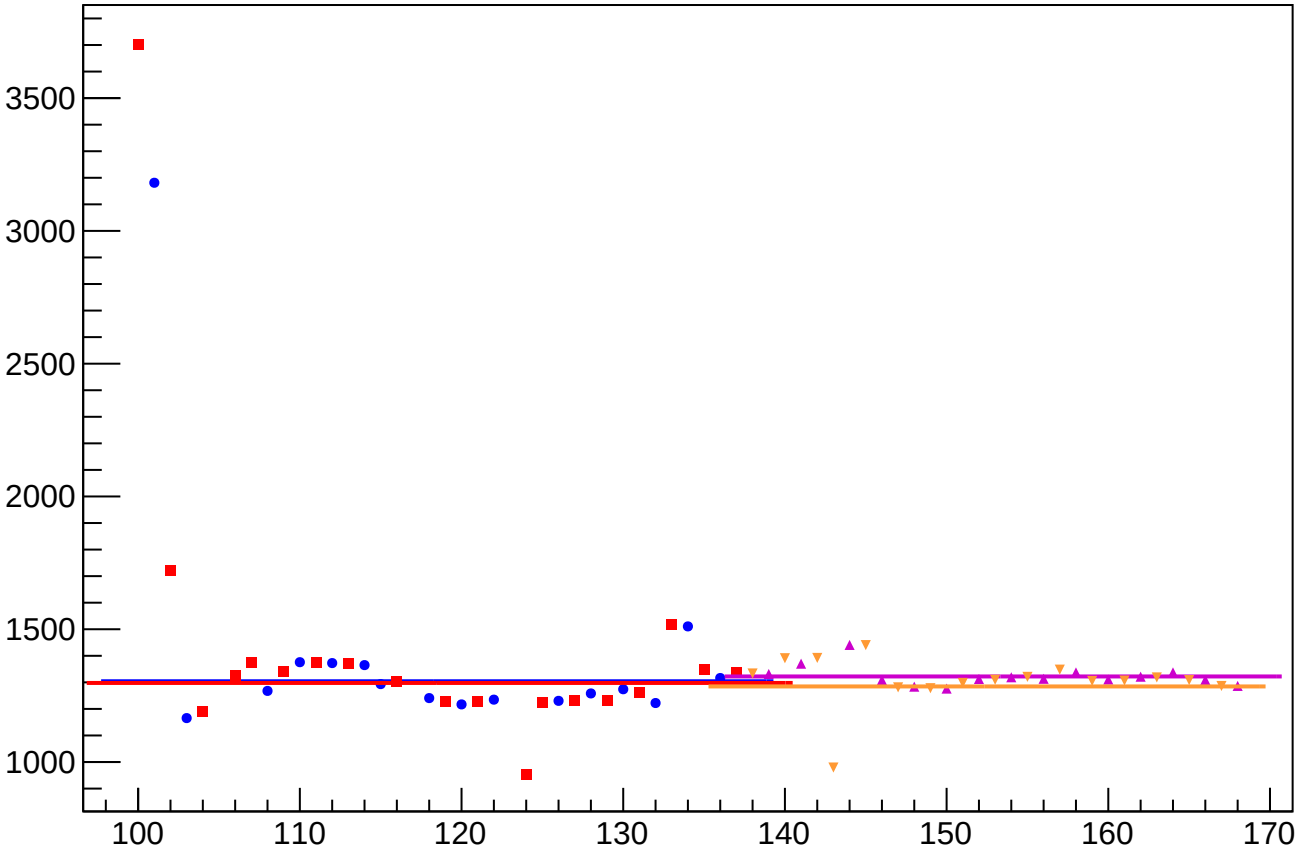
Left In: 666.444+/-375.492 χ^2/NDF:12.3/14

+ sign 377.240+/-292.475 χ^2/NDF: 56.1/31

All: 416.841+/-208.404 χ^2/NDF: 84.2/65

- sign 457.685+/-297.035 χ^2/NDF: 28.0/33

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1284.622+/-0.257 χ^2/NDF:203050.2/15

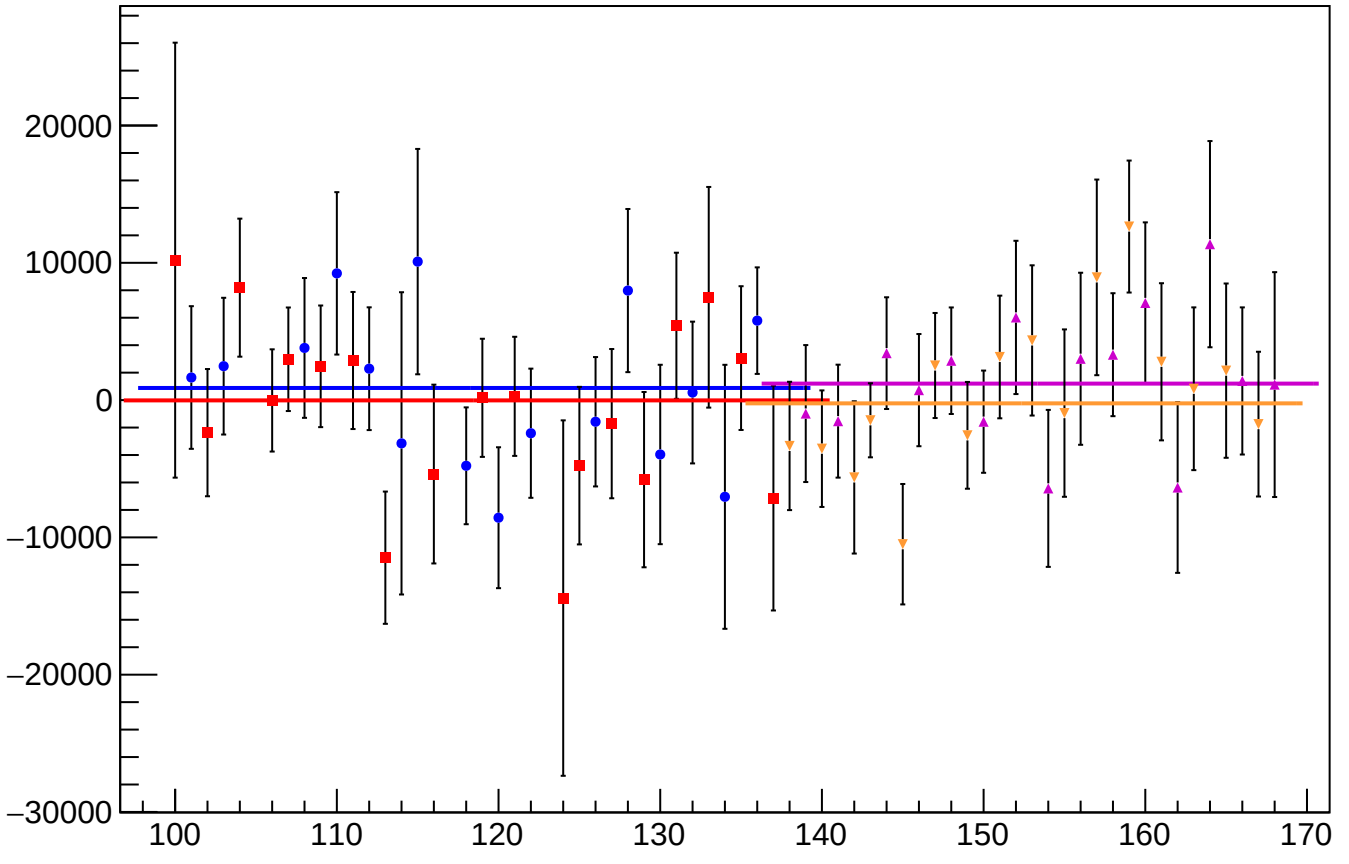
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1322.253+/-0.266 χ^2/NDF:20620.9/14

+ sign 1291.445+/-0.207 χ^2/NDF: 715658.8/31

All: 1302.104+/-0.147 χ^2/NDF: 957949.3/65

- sign 1313.092+/-0.210 χ^2/NDF: 236896.0/33



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -237.054+/-1154.094 χ^2/NDF:19.2/15

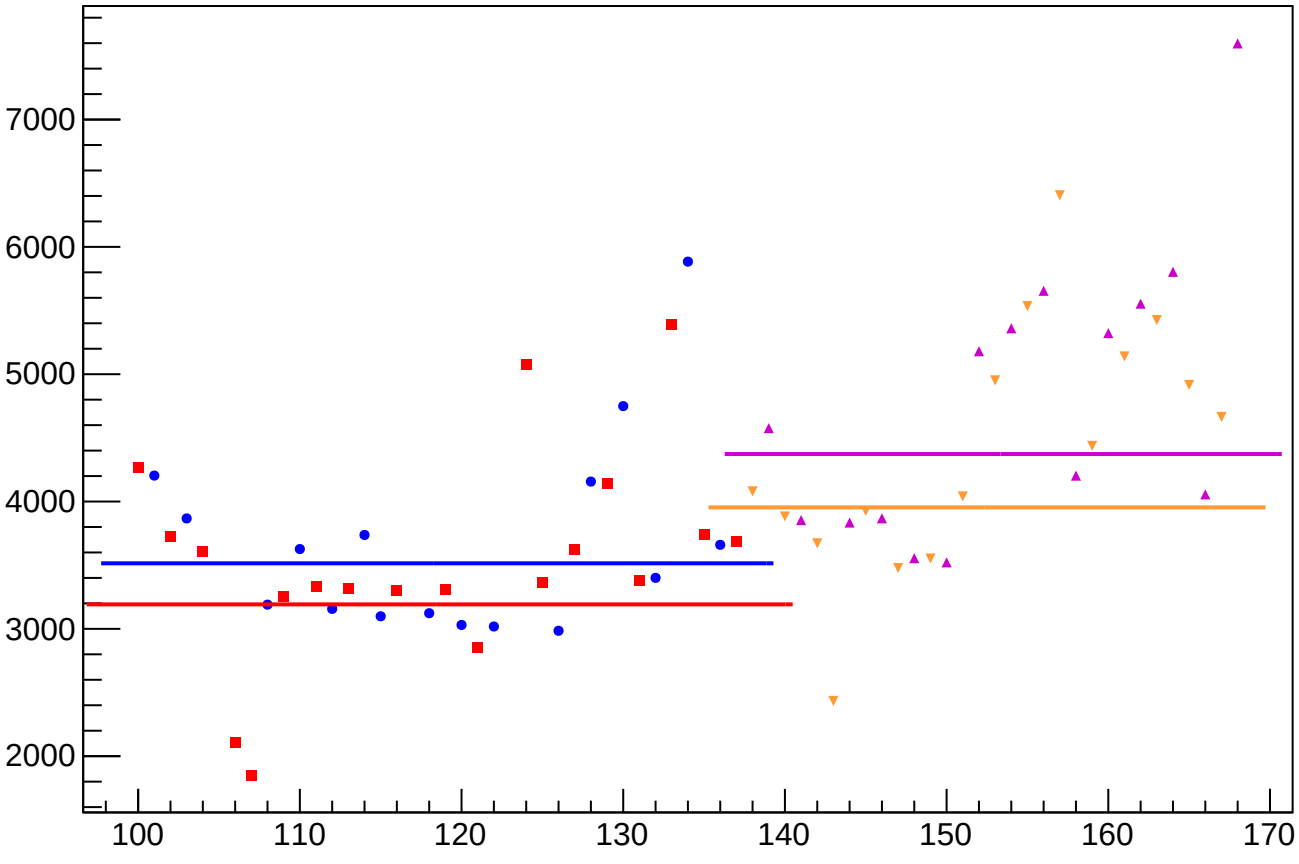
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1201.301+/-1271.509 χ^2/NDF:8.8/14

+ sign 245.585+/-870.940 χ^2/NDF: 33.7/31

All: 399.972+/-616.476 χ^2/NDF: 59.9/65

- sign 554.991+/-872.719 χ^2/NDF: 26.1/33



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3954.074+/-0.816 χ^2/NDF:1444498.7/15

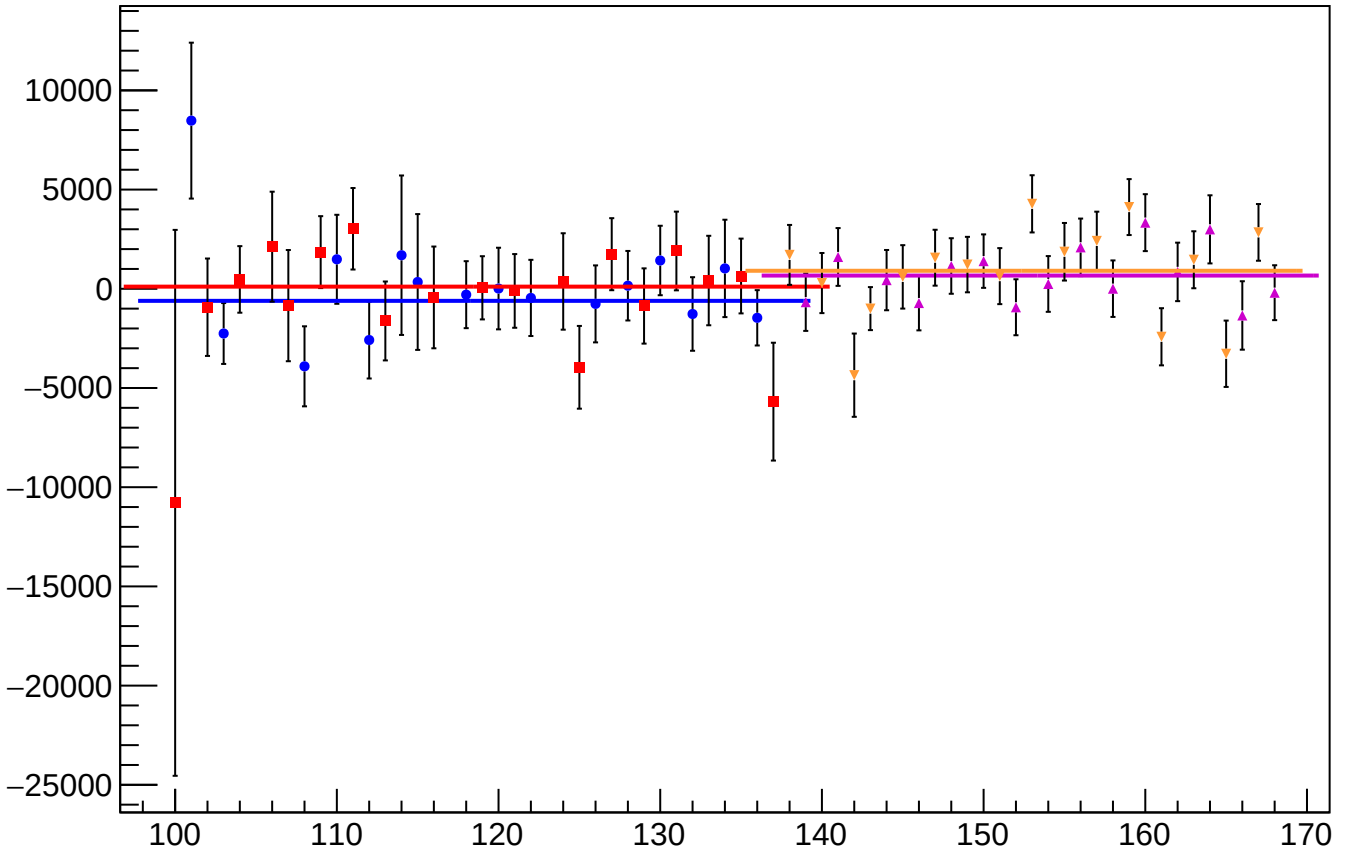
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4373.056+/-0.899 χ^2/NDF:996365.1/14

+ sign 3764.943+/-0.616 χ^2/NDF: 1944344.1/31

All: 3756.738+/-0.436 χ^2/NDF: 4625905.1/65

- sign 3748.500+/-0.617 χ^2/NDF: 2681205.2/33



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 908.299+/-362.846 χ^2/NDF:35.9/15

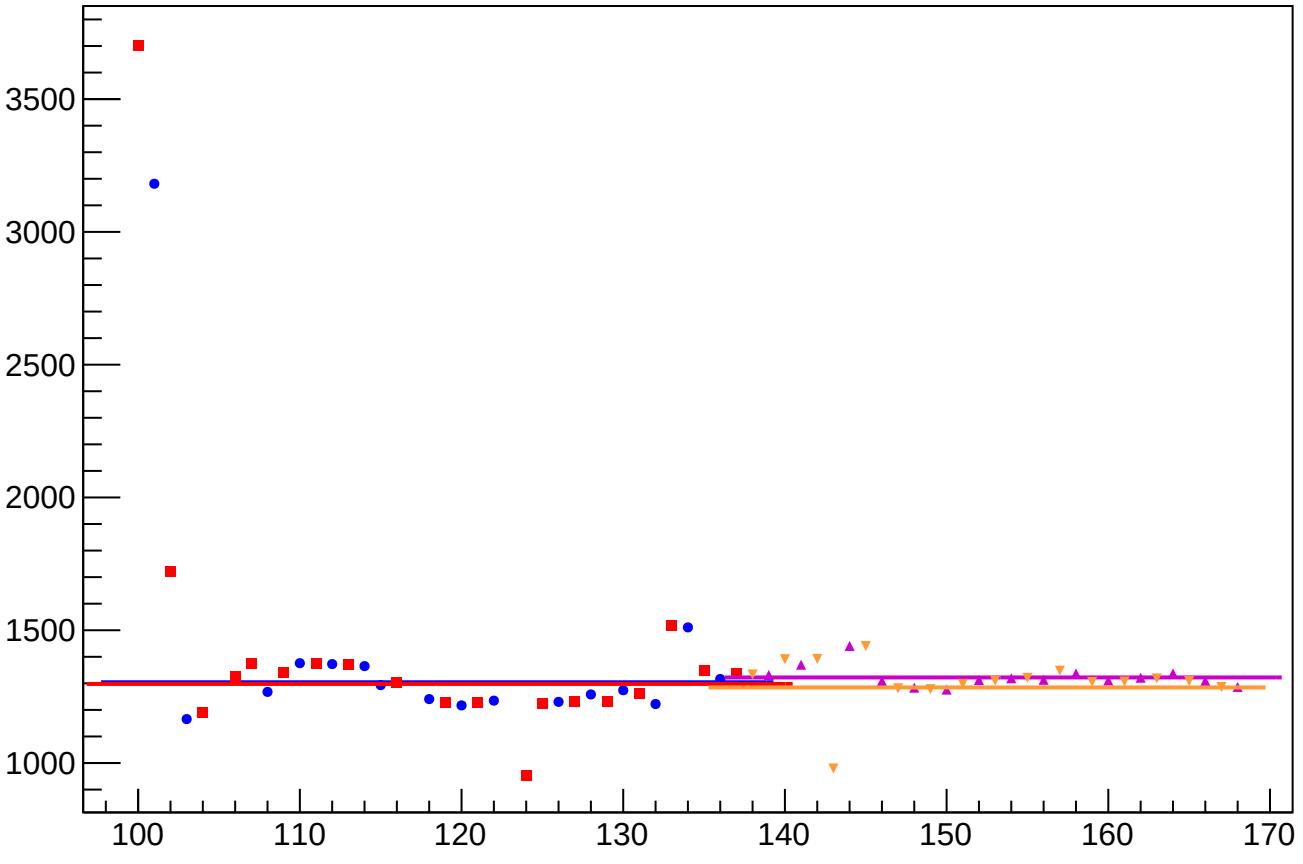
Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: 666.445+/-375.493 χ^2/NDF:12.3/14

+ sign 377.242+/-292.475 χ^2/NDF: 56.1/31

All: 416.843+/-208.405 χ^2/NDF: 84.2/65

- sign 457.688+/-297.035 χ^2/NDF: 28.0/33



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1284.623+/-0.257 χ^2/NDF:203050.9/15

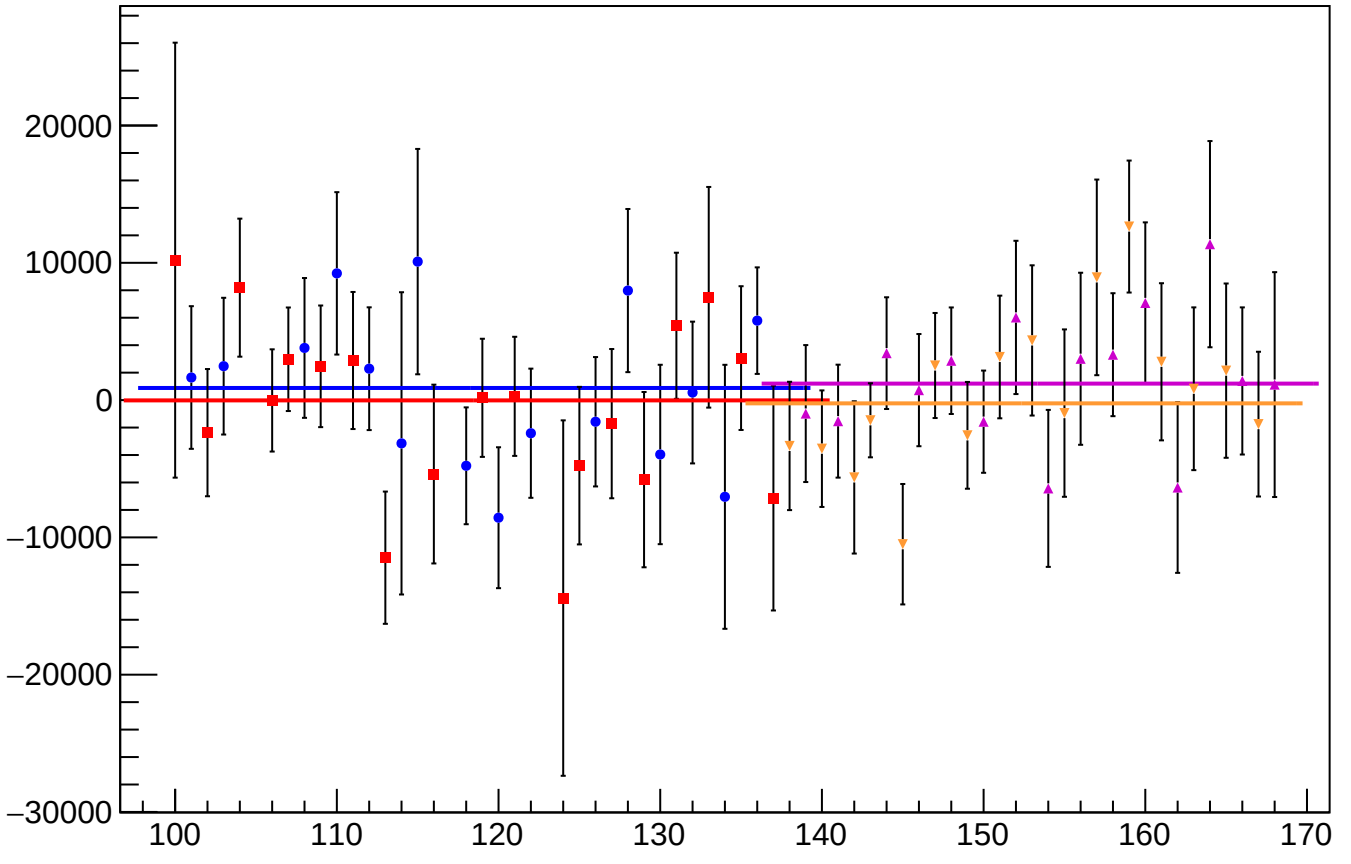
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1322.254+/-0.266 χ^2/NDF:20621.1/14

+ sign 1291.446+/-0.207 χ^2/NDF: 715659.4/31

All: 1302.105+/-0.147 χ^2/NDF: 957950.5/65

- sign 1313.093+/-0.210 χ^2/NDF: 236896.5/33



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -237.050+/-1154.096 χ^2/NDF:19.2/15

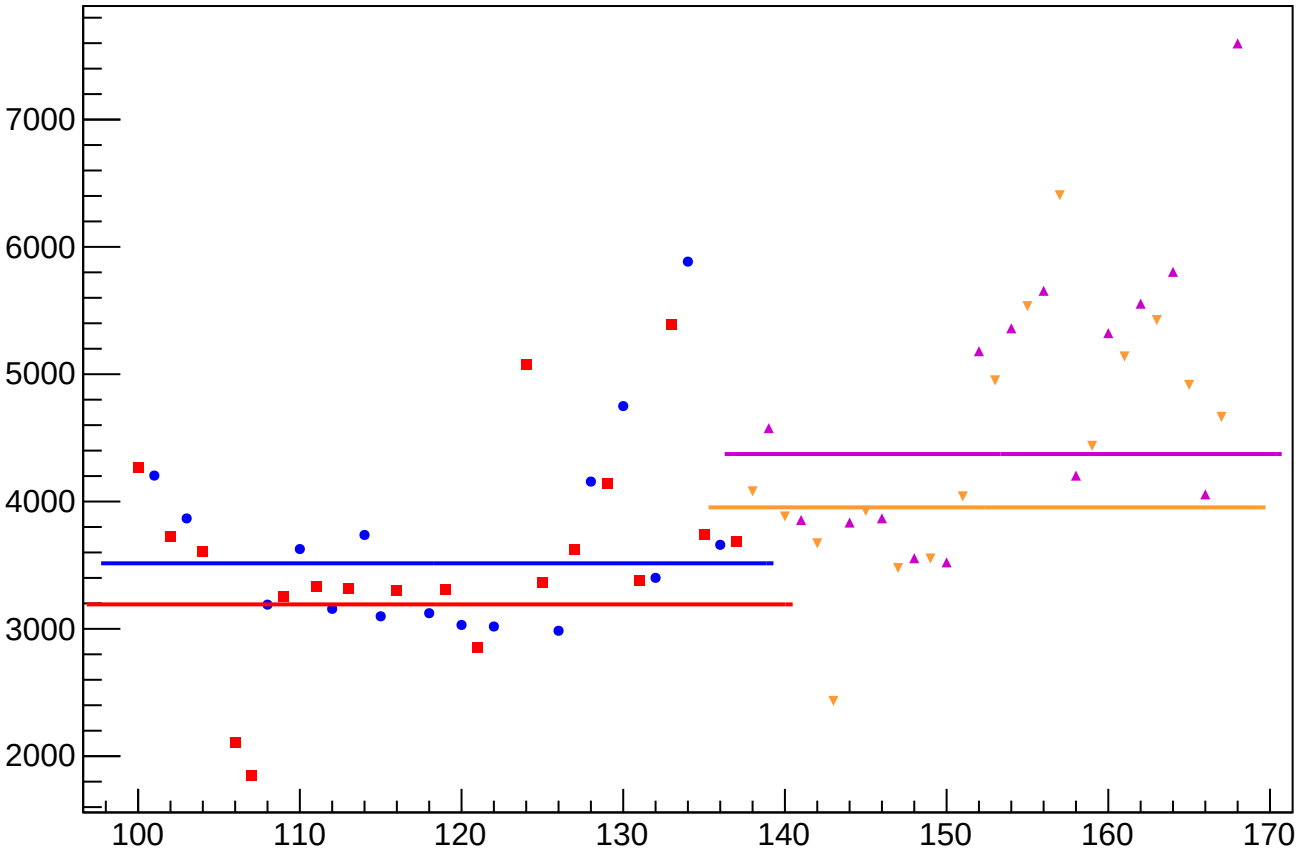
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1201.300+/-1271.511 χ^2/NDF:8.8/14

+ sign 245.585+/-870.940 χ^2/NDF: 33.7/31

All: 399.972+/-616.475 χ^2/NDF: 59.9/65

- sign 554.991+/-872.719 χ^2/NDF: 26.1/33



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3954.080+/-0.816 χ^2/NDF:1444500.9/15

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

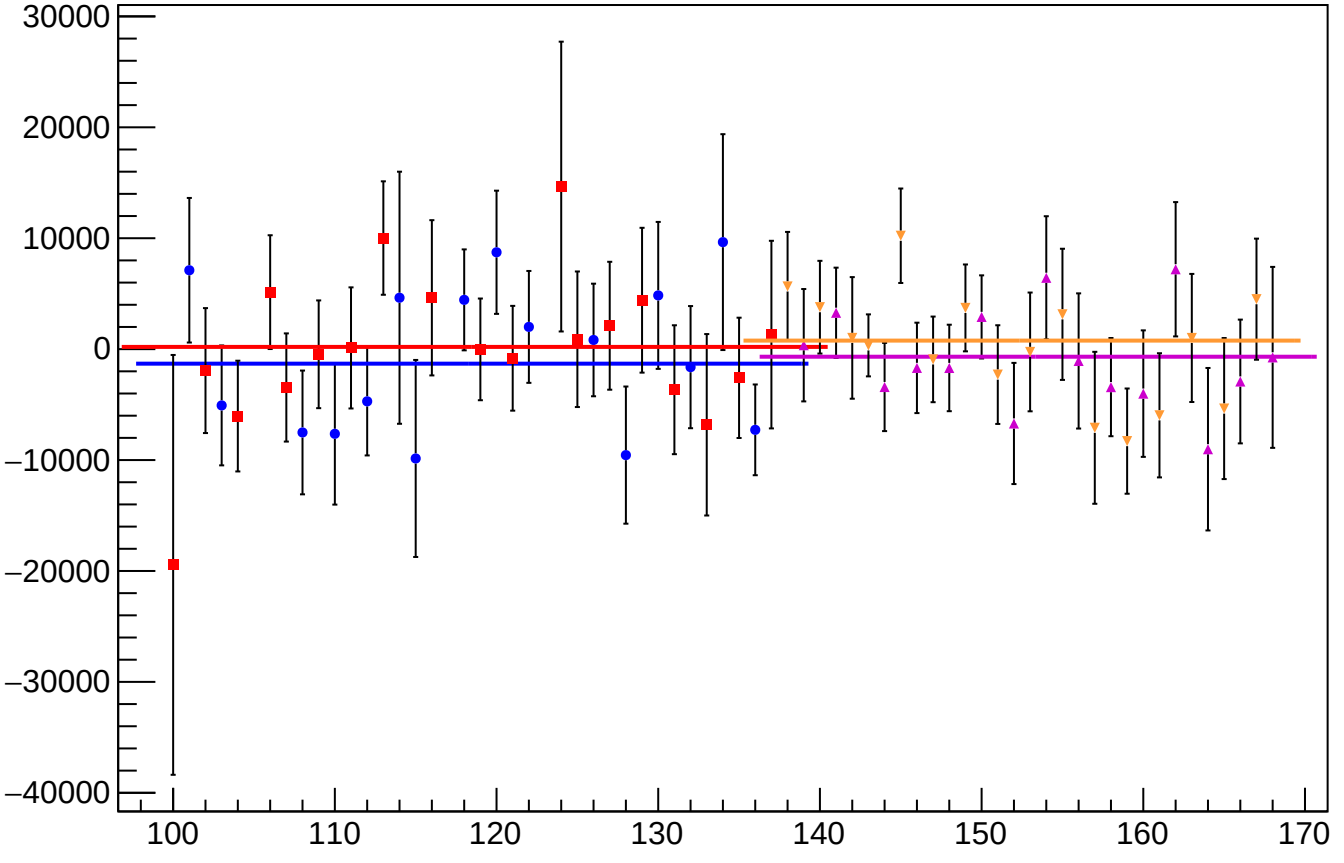
Left In: 4373.063+/-0.899 χ^2/NDF:996366.9/14

+ sign 3764.942+/-0.616 χ^2/NDF: 1944359.2/31

All: 3756.736+/-0.436 χ^2/NDF: 4625946.8/65

- sign 3748.496+/-0.617 χ^2/NDF: 2681231.8/33

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 770.252+/-1156.771 χ^2/NDF:15.7/15

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

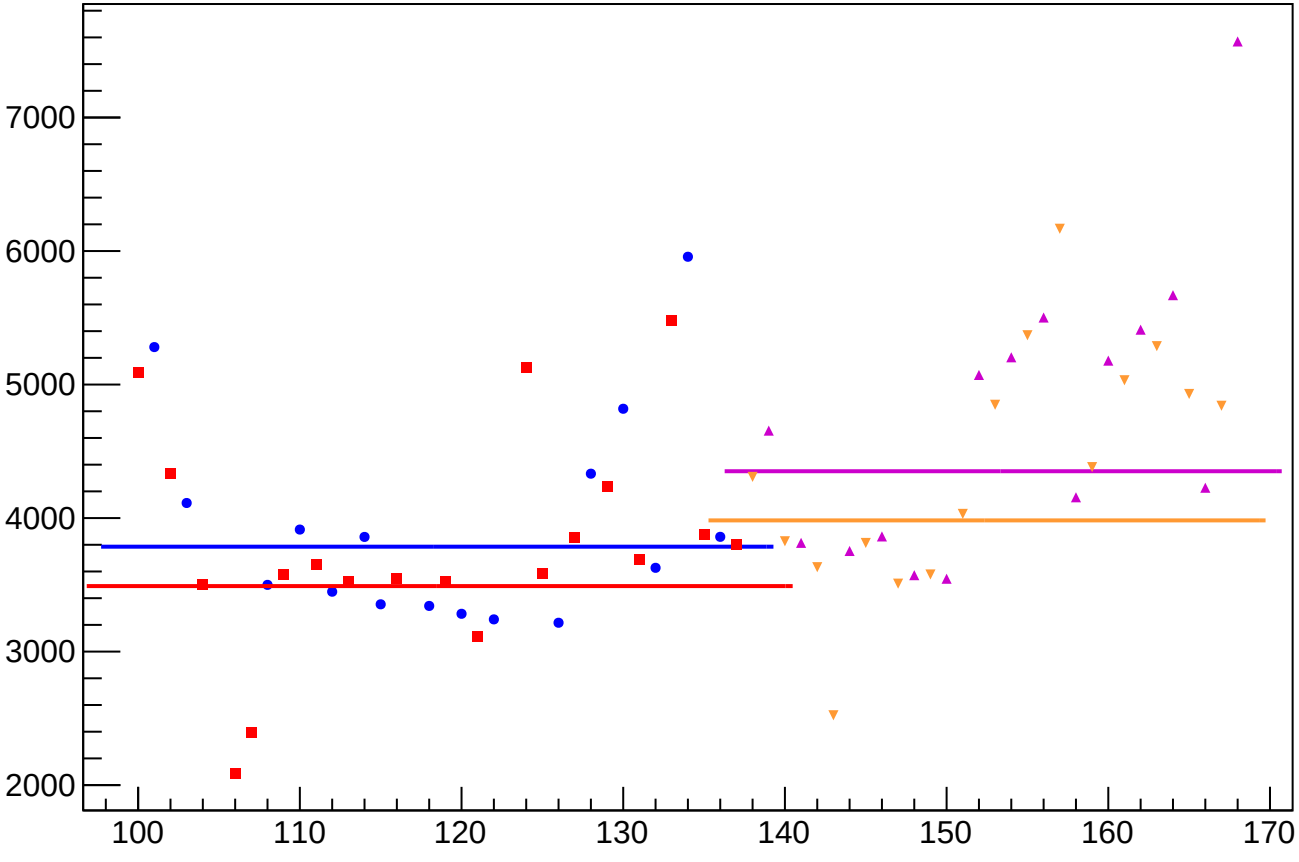
Left In: -683.377+/-1262.237 χ^2/NDF:9.2/14

+ sign -51.186+/-899.759 χ^2/NDF: 34.6/31

All: -156.501+/-642.415 χ^2/NDF: 55.7/65

- sign -266.016+/-917.525 χ^2/NDF: 21.1/33

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3982.603+/-0.818 χ^2/NDF:1266133.9/15

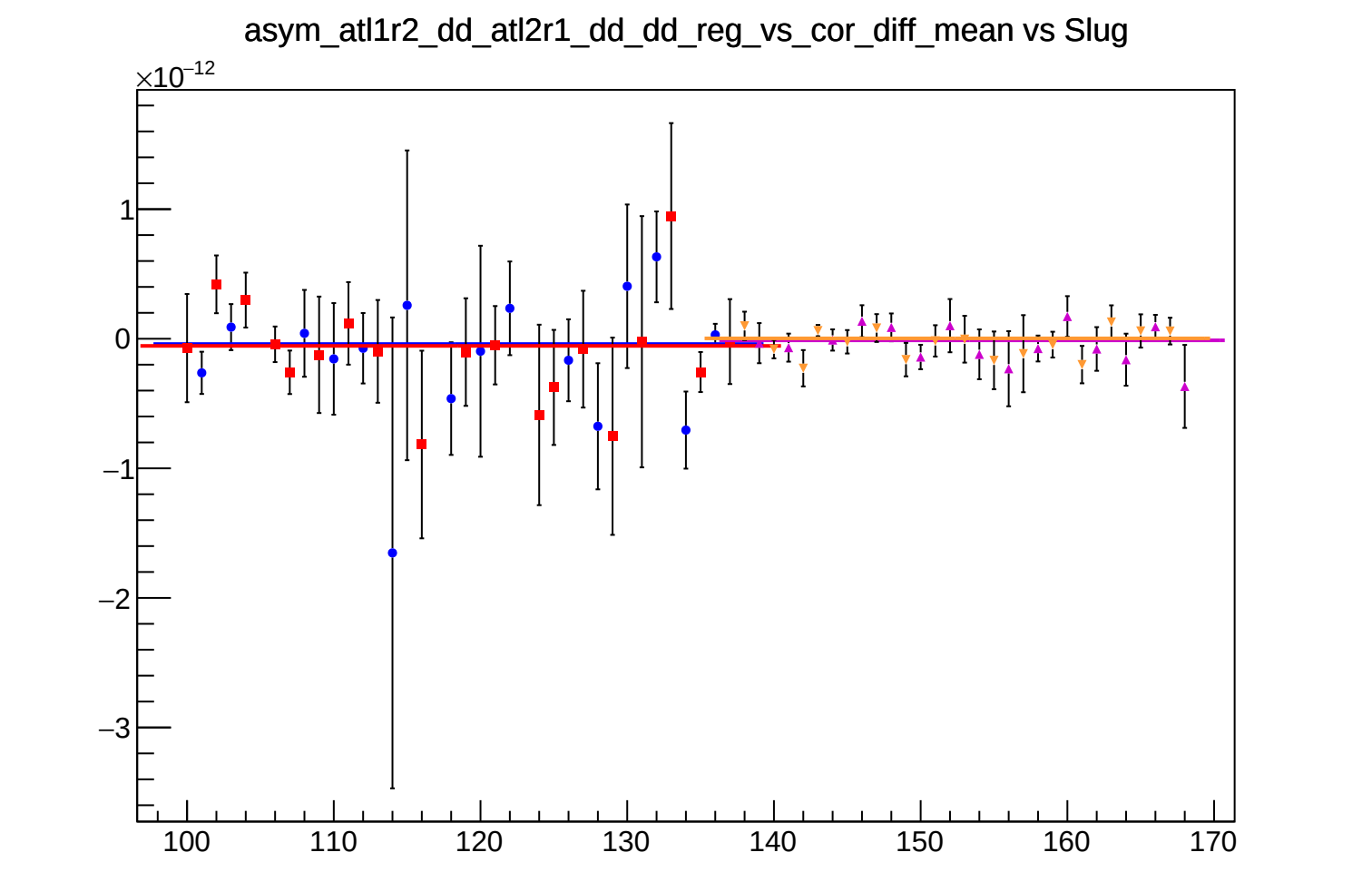
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4350.869+/-0.893 χ^2/NDF:926013.3/14

\+ sign 3904.855+/-0.636 χ^2/NDF: 1671999.2/31

All: 3921.840+/-0.453 χ^2/NDF: 3630644.5/65

\- sign 3939.275+/-0.645 χ^2/NDF: 1957201.0/33



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/15

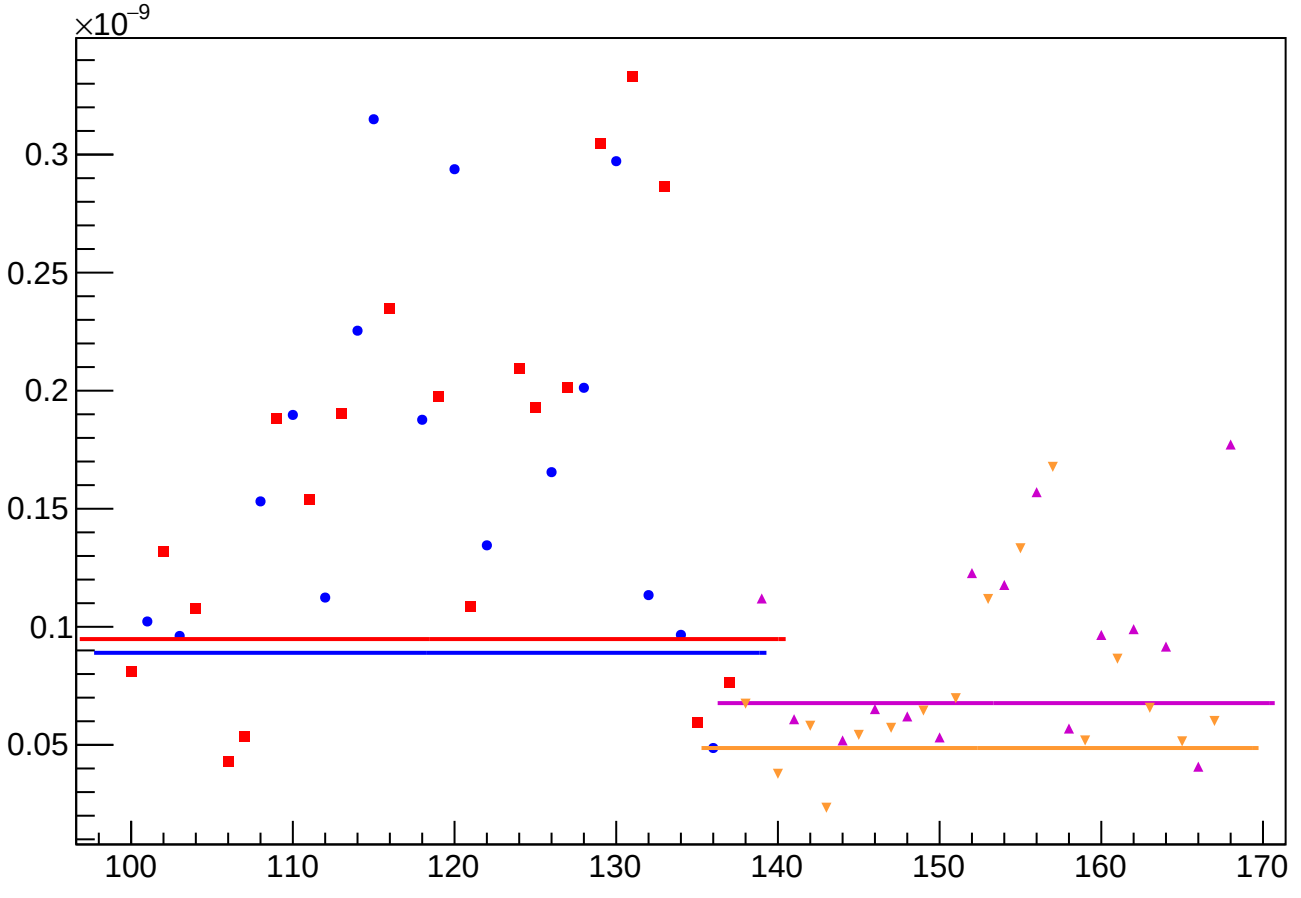
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/14

+ sign -0.000+/-0.000 χ^2/NDF: 30.5/31

All: -0.000+/-0.000 χ^2/NDF: 57.6/65

- sign -0.000+/-0.000 χ^2/NDF: 26.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1941642.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

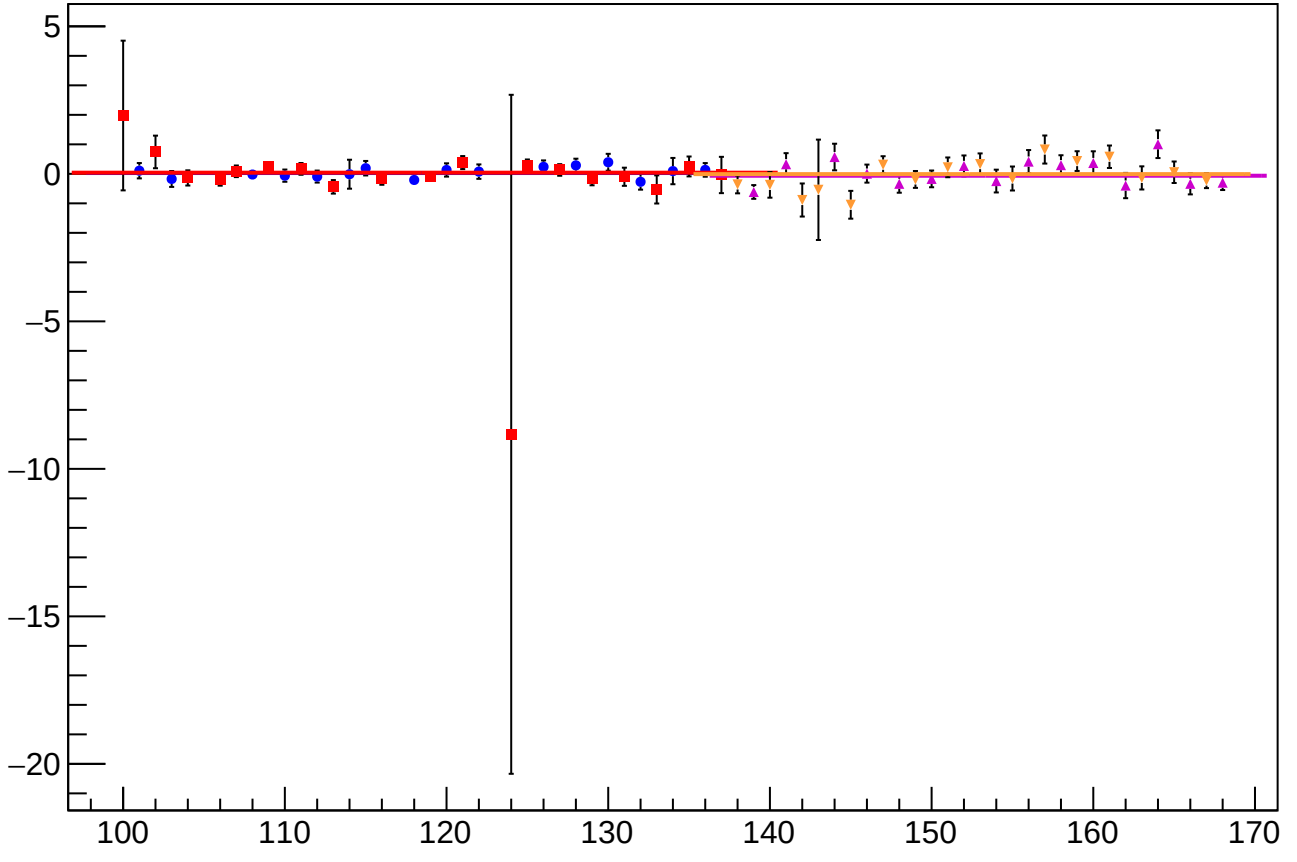
Left In: 0.000+/-0.000 χ^2/NDF:1364563.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 4195488.6/31

All: 0.000+/-0.000 χ^2/NDF: 8080633.6/65

- sign 0.000+/-0.000 χ^2/NDF: 3384161.0/33

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

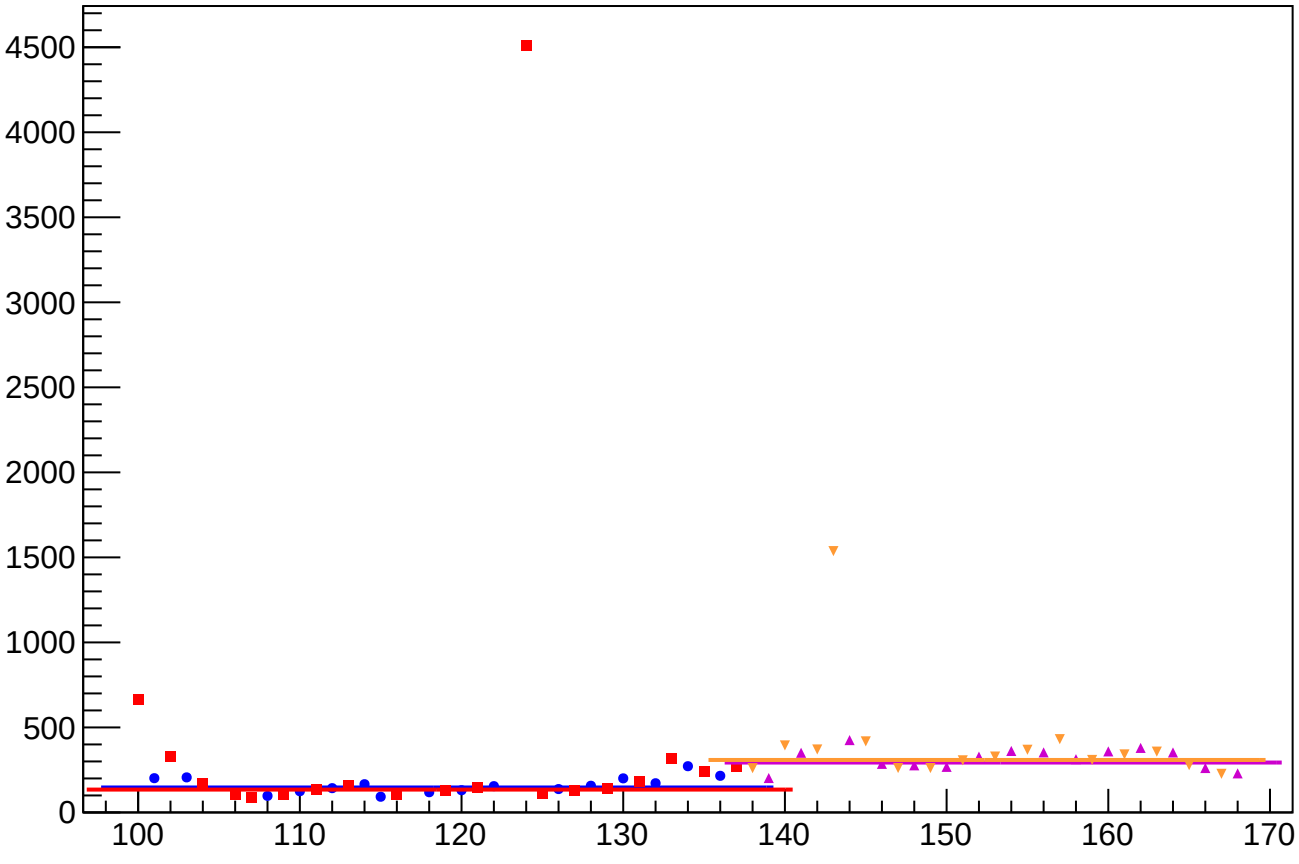
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.086 χ^2/NDF:21.8/14

+ sign 0.017+/-0.049 χ^2/NDF: 30.2/31

All: 0.013+/-0.034 χ^2/NDF: 73.1/65

- sign 0.009+/-0.046 χ^2/NDF: 42.9/33



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 308.672+/-0.064 χ^2/NDF:1856686.7/15

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

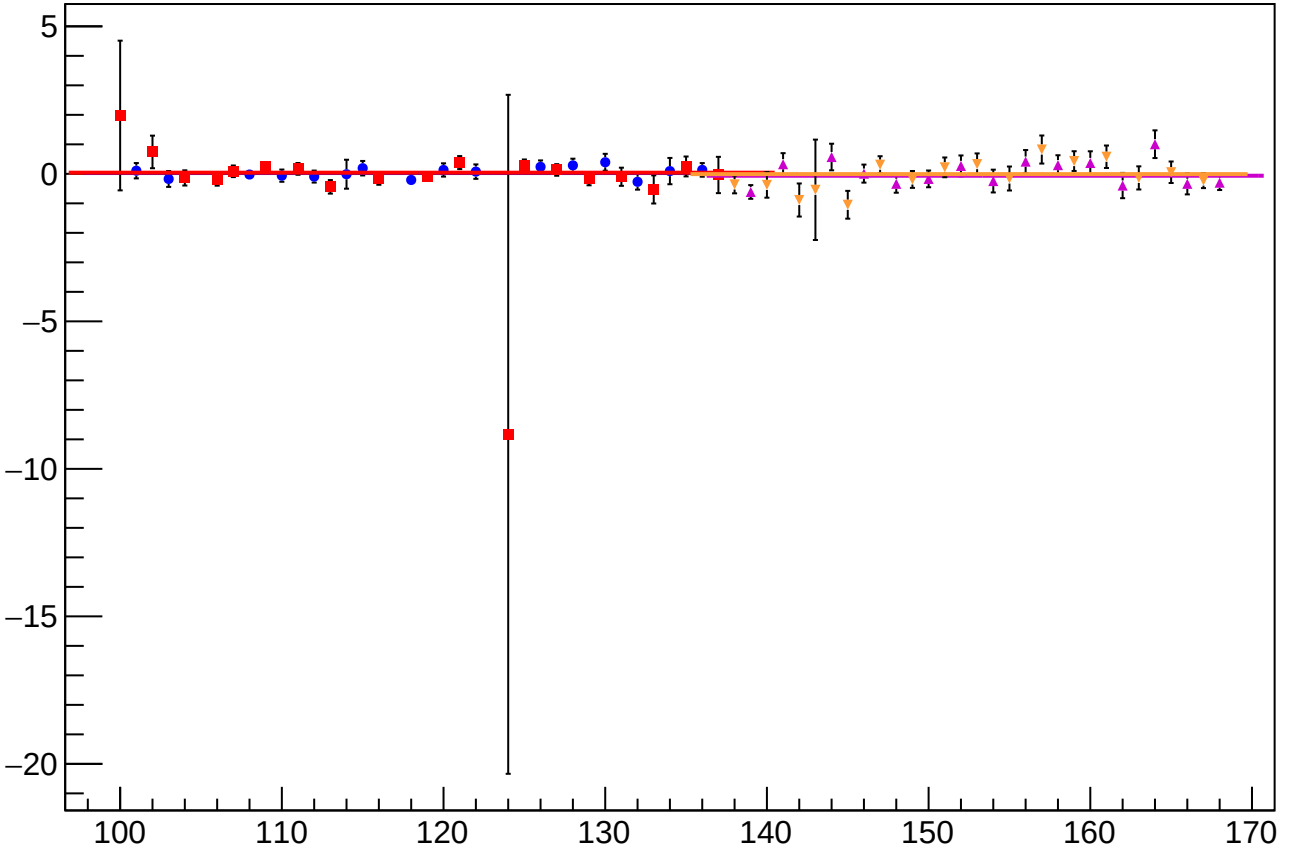
Left In: 293.553+/-0.061 χ^2/NDF:996096.2/14

+ sign 193.213+/-0.034 χ^2/NDF: 7364639.7/31

All: 186.405+/-0.024 χ^2/NDF: 14893749.1/65

- sign 180.280+/-0.033 χ^2/NDF: 7454978.3/33

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

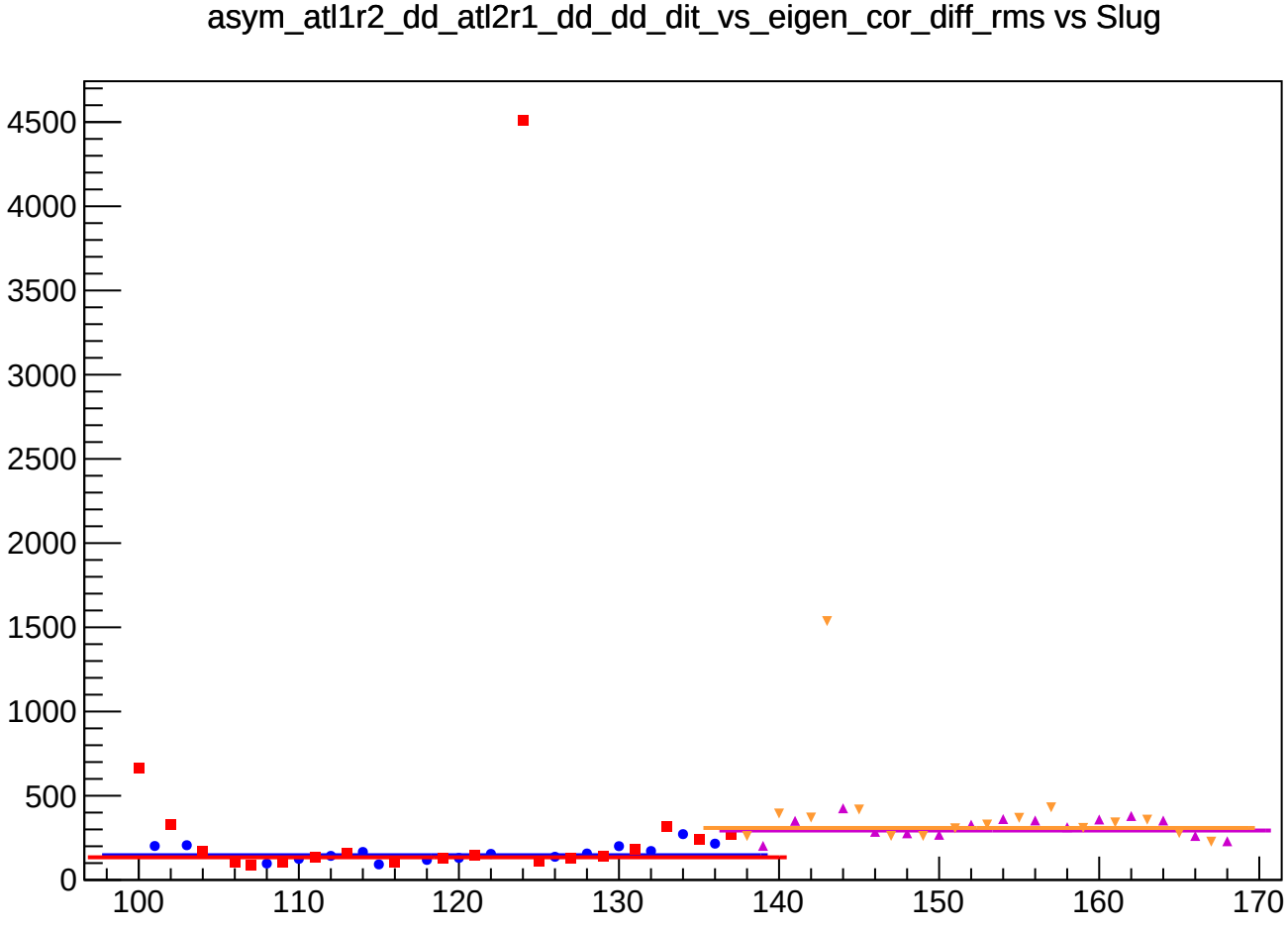
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.086 χ^2/NDF:21.8/14

+ sign 0.017+/-0.049 χ^2/NDF: 30.2/31

All: 0.013+/-0.034 χ^2/NDF: 73.1/65

- sign 0.009+/-0.046 χ^2/NDF: 42.9/33



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 308.672+/-0.064 χ^2/NDF:1856686.7/15

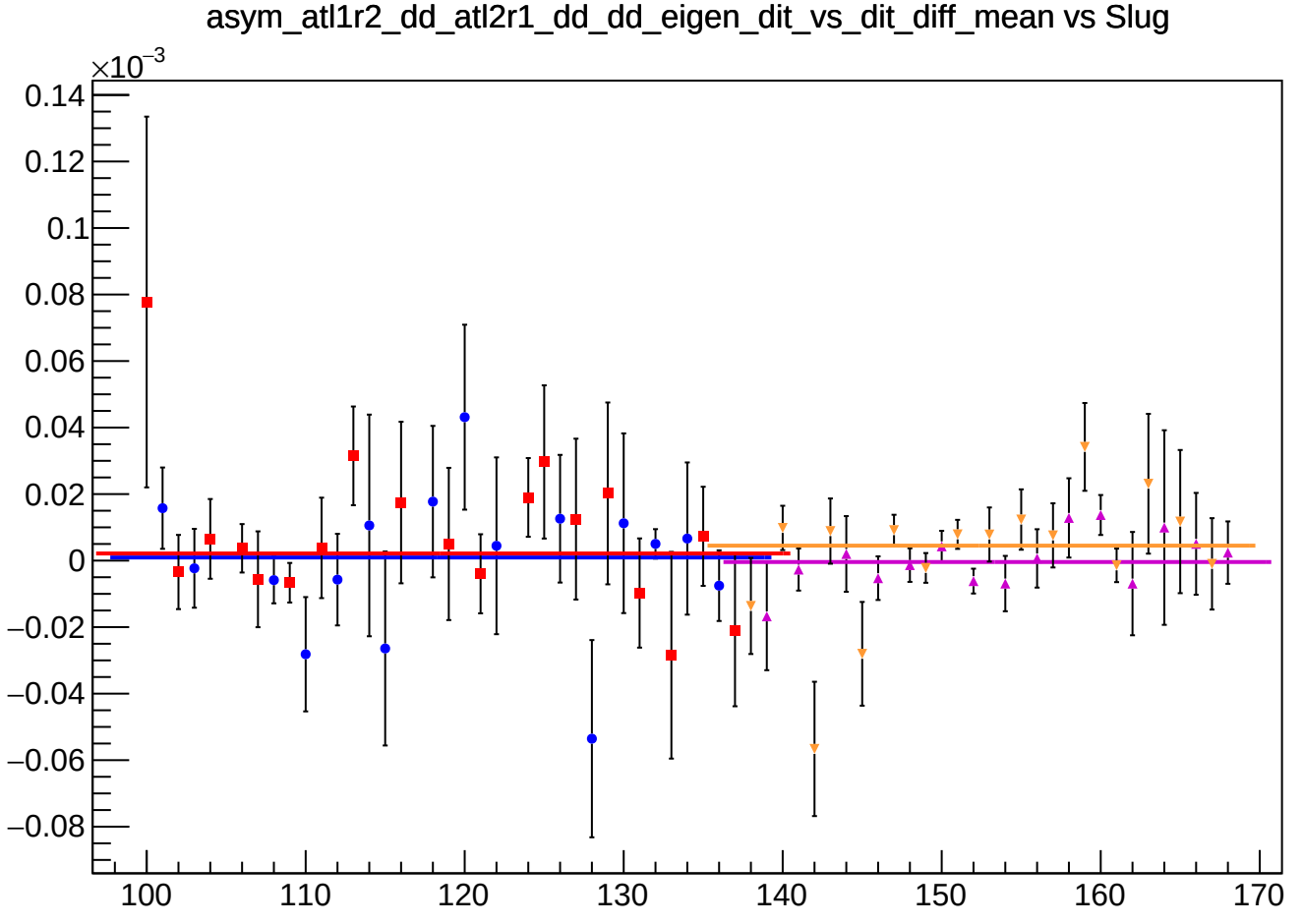
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 293.553+/-0.061 χ^2/NDF:996096.2/14

+ sign 193.213+/-0.034 χ^2/NDF: 7364639.7/31

All: 186.405+/-0.024 χ^2/NDF: 14893749.1/65

- sign 180.280+/-0.033 χ^2/NDF: 7454978.3/33



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/15

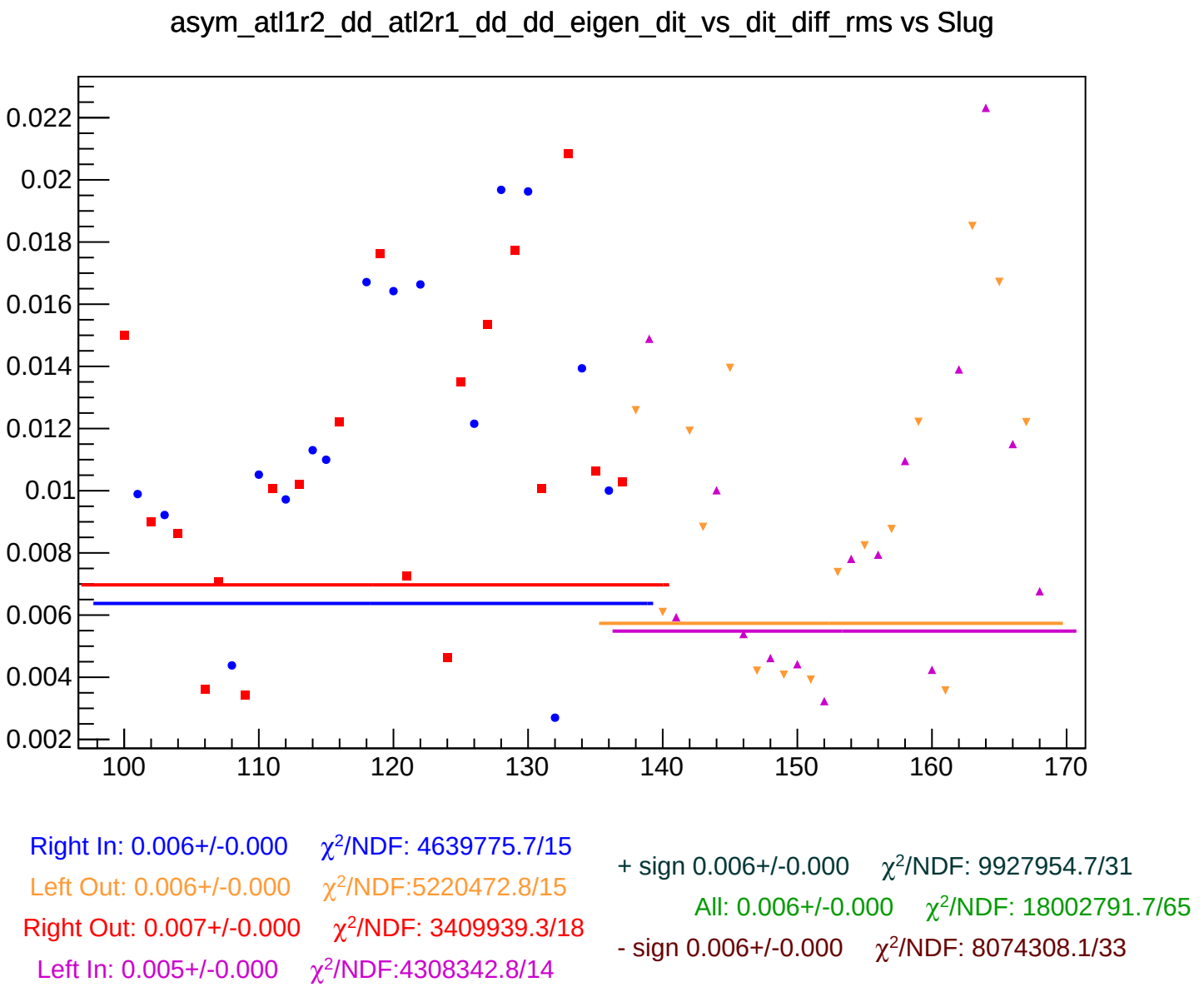
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

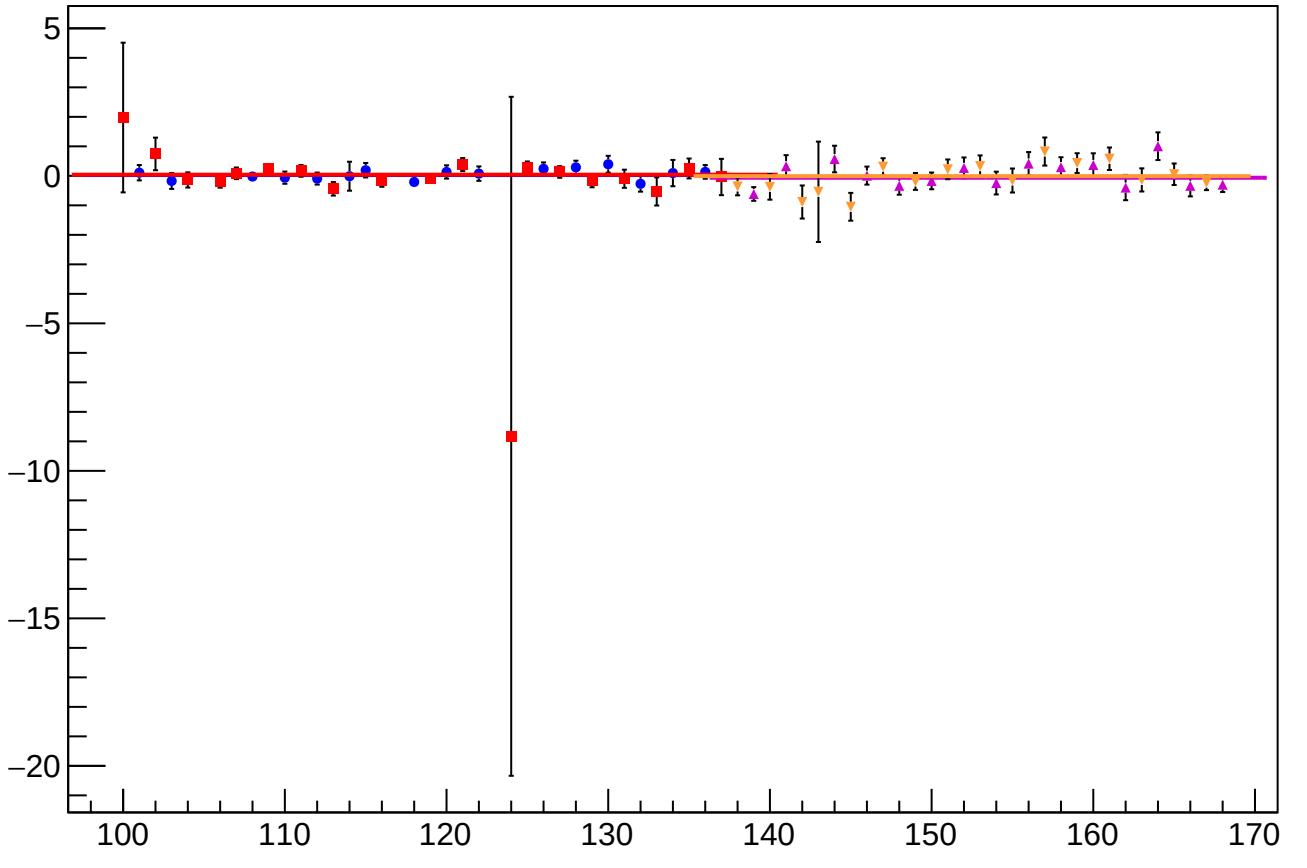
Left In: -0.000+/-0.000 χ^2/NDF:13.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/31

All: 0.000+/-0.000 χ^2/NDF: 75.9/65

- sign 0.000+/-0.000 χ^2/NDF: 29.6/33


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:5220472.8/15
Right Out: 0.007+/-0.000 χ²/NDF: 3409939.3/18
Left In: 0.005+/-0.000 χ²/NDF:4308342.8/14
+ sign 0.006+/-0.000 χ²/NDF: 9927954.7/31
All: 0.006+/-0.000 χ²/NDF: 18002791.7/65
- sign 0.006+/-0.000 χ²/NDF: 8074308.1/33



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

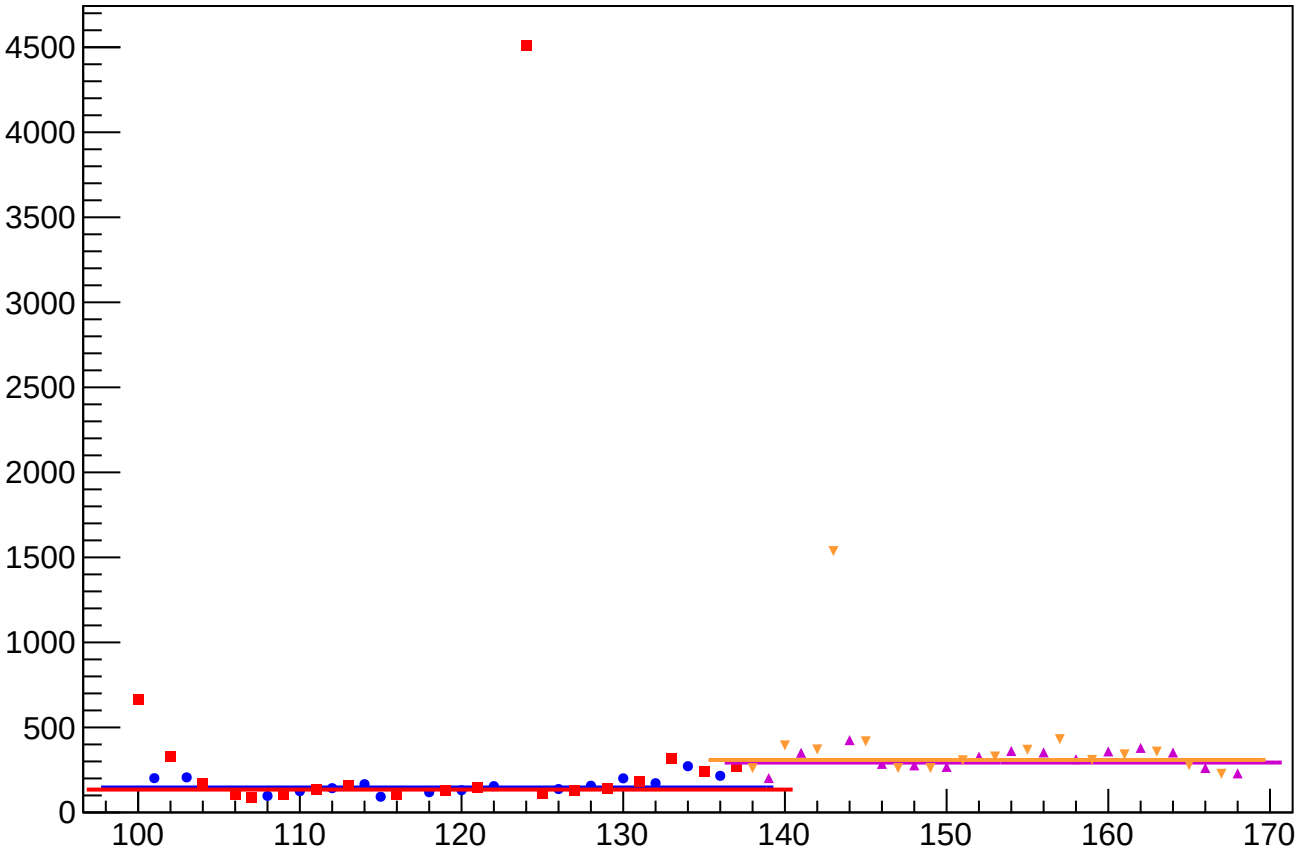
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.086 χ^2/NDF:21.8/14

+ sign 0.017+/-0.049 χ^2/NDF: 30.2/31

All: 0.013+/-0.034 χ^2/NDF: 73.1/65

- sign 0.009+/-0.046 χ^2/NDF: 42.9/33



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 308.676+/-0.064 χ^2/NDF:1856703.9/15

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

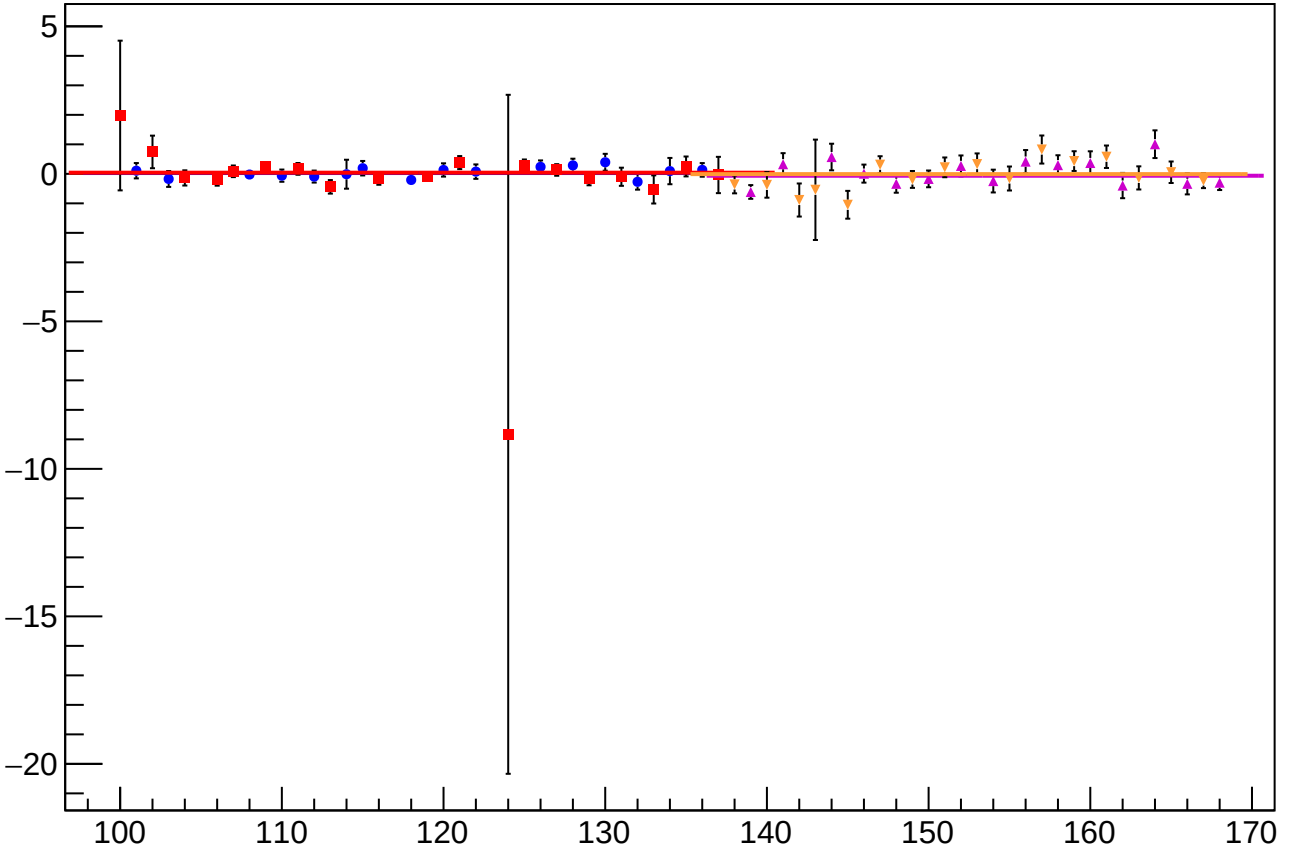
Left In: 293.557+/-0.061 χ^2/NDF:996077.4/14

+ sign 193.213+/-0.034 χ^2/NDF: 7364748.7/31

All: 186.406+/-0.024 χ^2/NDF: 14893829.9/65

- sign 180.282+/-0.033 χ^2/NDF: 7454968.9/33

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

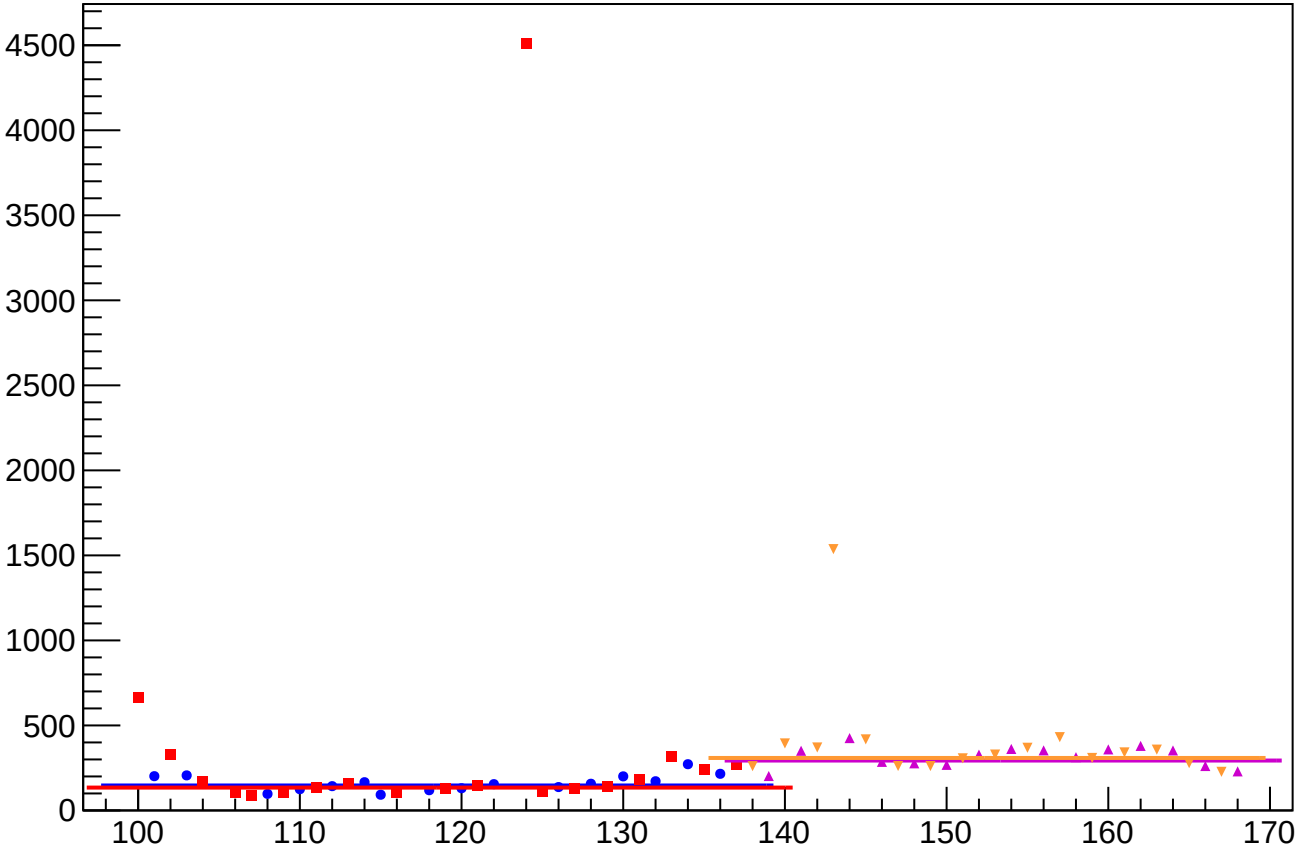
Left In: -0.064+/-0.086 χ^2/NDF:21.8/14

+ sign 0.017+/-0.049 χ^2/NDF: 30.2/31

All: 0.013+/-0.034 χ^2/NDF: 73.1/65

- sign 0.009+/-0.046 χ^2/NDF: 42.9/33

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: 308.676+/-0.064 χ^2/NDF:1856703.9/15

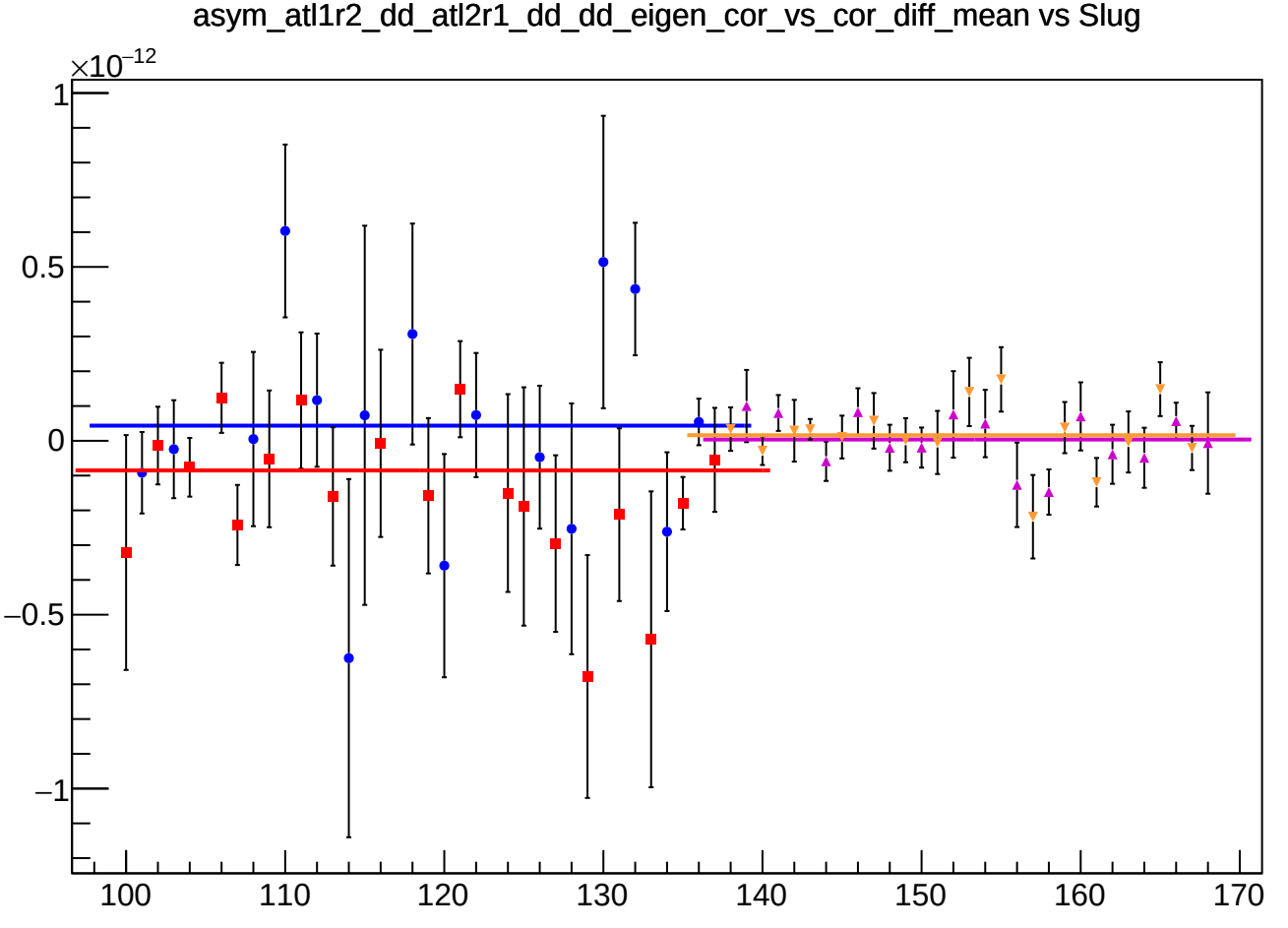
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 293.557+/-0.061 χ^2/NDF:996077.4/14

+ sign 193.213+/-0.034 χ^2/NDF: 7364748.7/31

All: 186.406+/-0.024 χ^2/NDF: 14893829.9/65

- sign 180.282+/-0.033 χ^2/NDF: 7454968.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/15

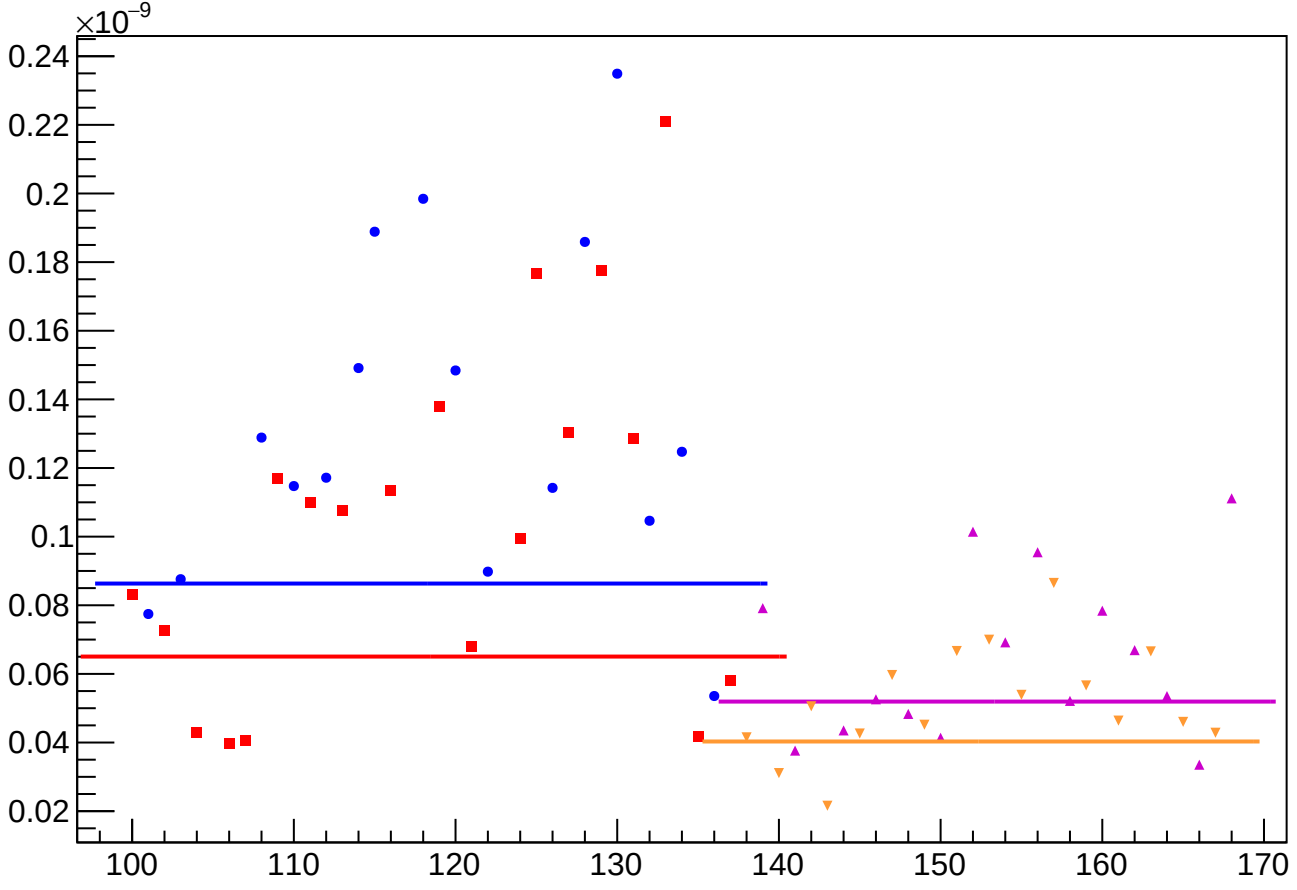
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 36.9/31

All: 0.000+/-0.000 χ^2/NDF: 78.1/65

- sign -0.000+/-0.000 χ^2/NDF: 38.4/33



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2056248.4/15

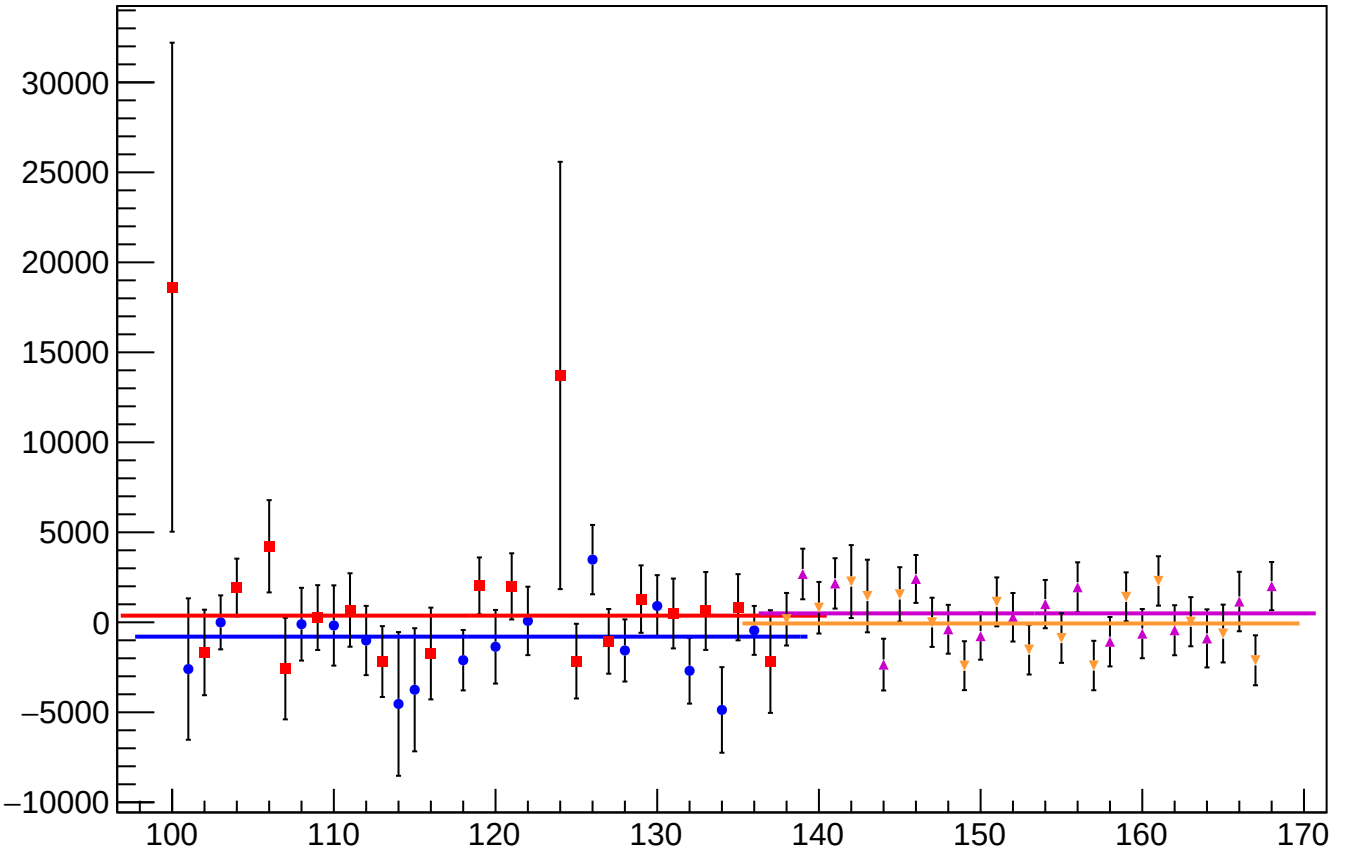
Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1827017.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 5670170.6/31

All: 0.000+/-0.000 χ^2/NDF: 10236424.1/65

- sign 0.000+/-0.000 χ^2/NDF: 4210647.2/33



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -64.536+/-362.785 χ^2/NDF:18.0/15

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

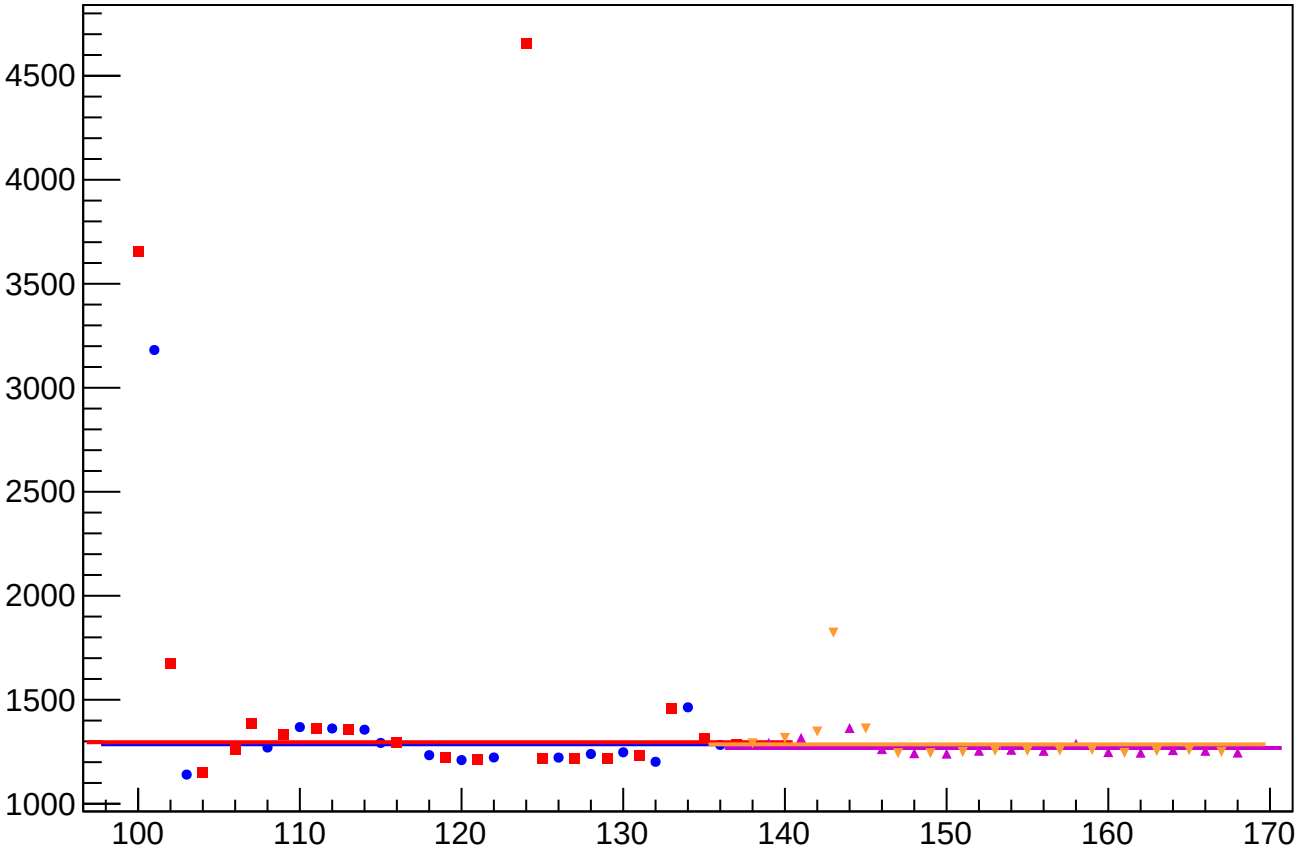
Left In: 495.809+/-360.086 χ^2/NDF:17.1/14

+ sign -325.731+/-291.030 χ^2/NDF: 32.9/31

All: 65.068+/-205.171 χ^2/NDF: 69.2/65

- sign 451.205+/-289.288 χ^2/NDF: 32.7/33

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1285.581+/-0.257 χ^2/NDF:163512.4/15

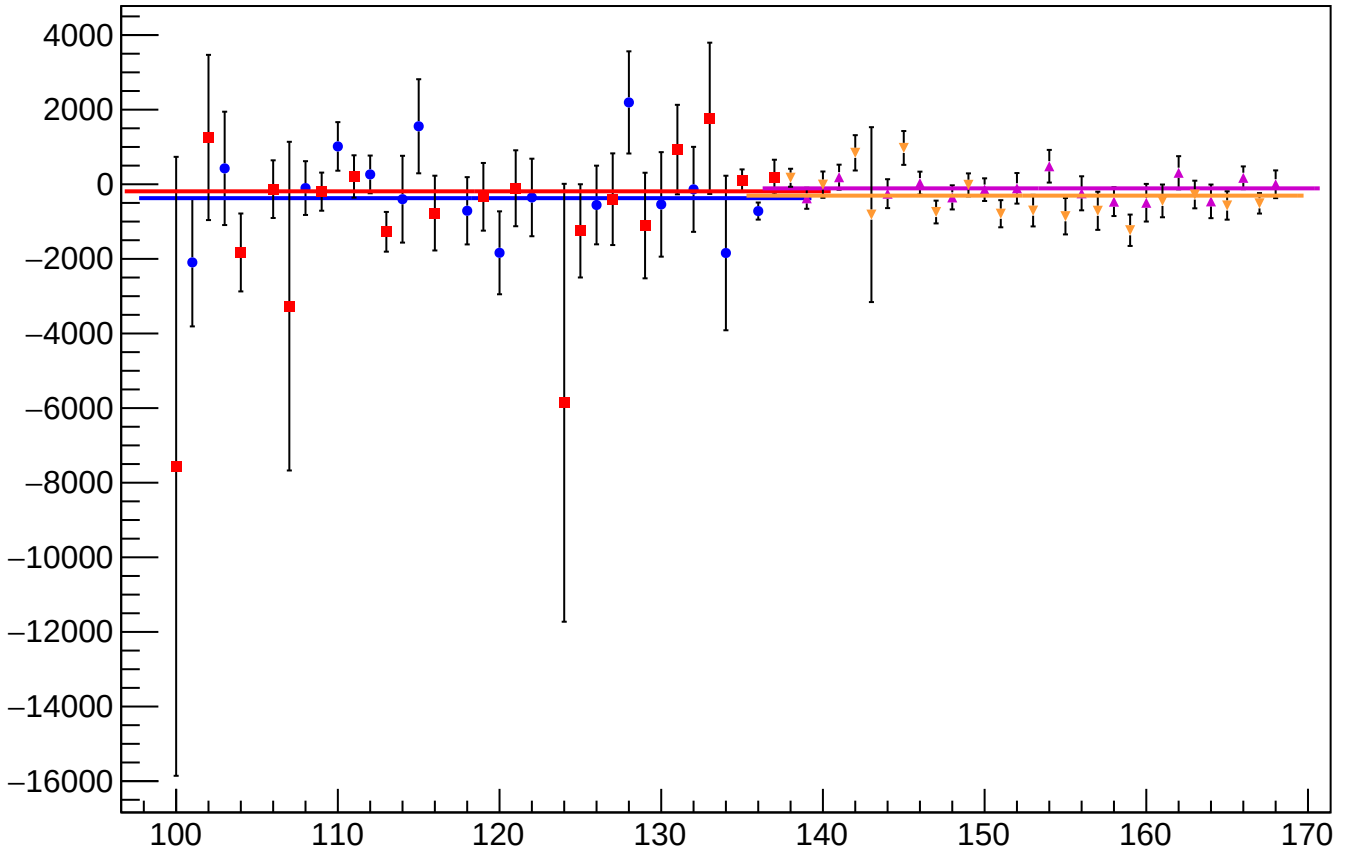
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1268.223+/-0.255 χ^2/NDF:16085.4/14

+ sign 1285.765+/-0.206 χ^2/NDF: 681640.7/31

All: 1281.885+/-0.145 χ^2/NDF: 1030705.4/65

- sign 1278.051+/-0.205 χ^2/NDF: 348357.9/33



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -304.623+/-93.025 χ^2/NDF:32.1/15

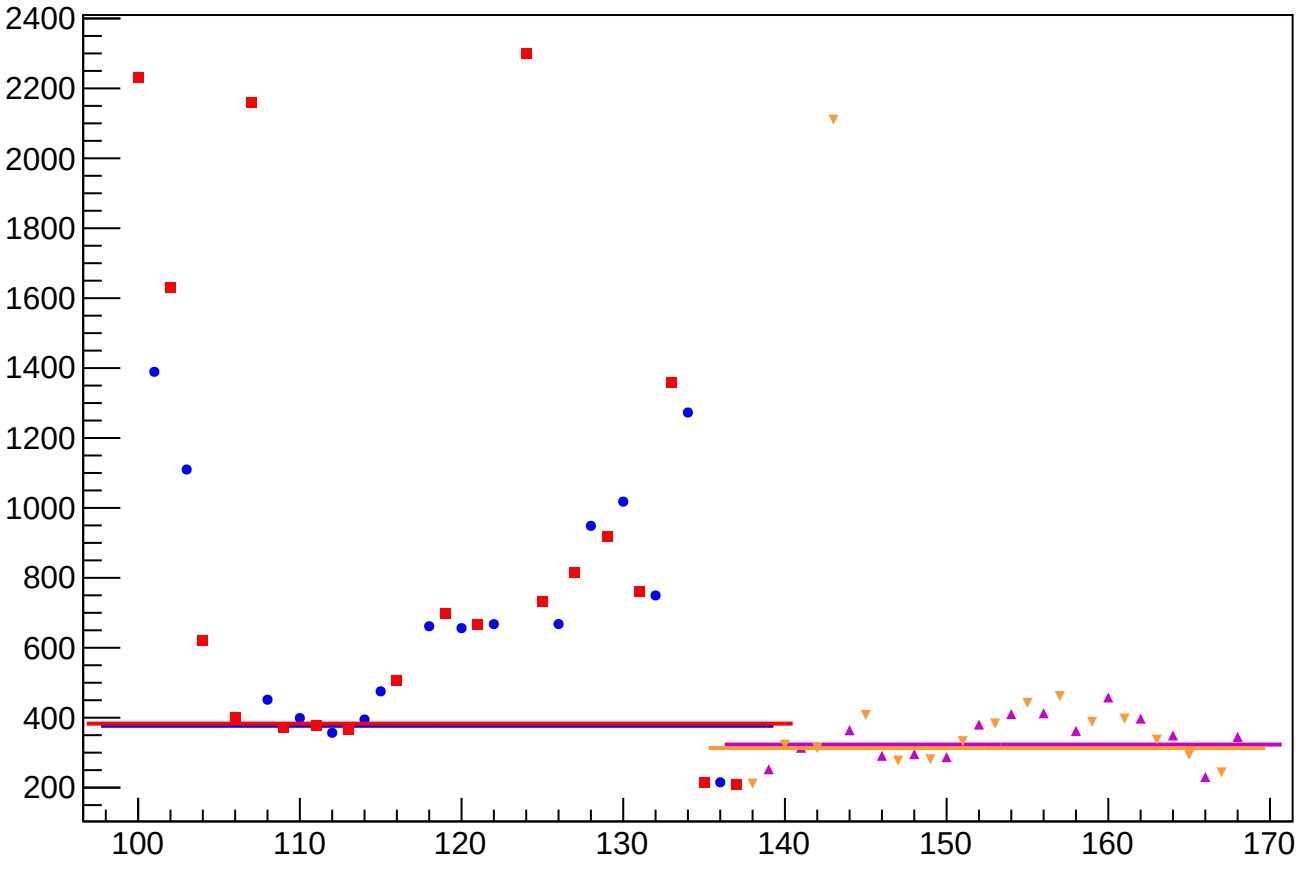
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -109.664+/-93.791 χ^2/NDF:8.4/14

+ sign -320.480+/-81.405 χ^2/NDF: 50.4/31

All: -225.144+/-57.797 χ^2/NDF: 76.3/65

- sign -128.236+/-82.073 χ^2/NDF: 23.2/33



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 313.264+/-0.066 χ^2/NDF:2317331.4/15

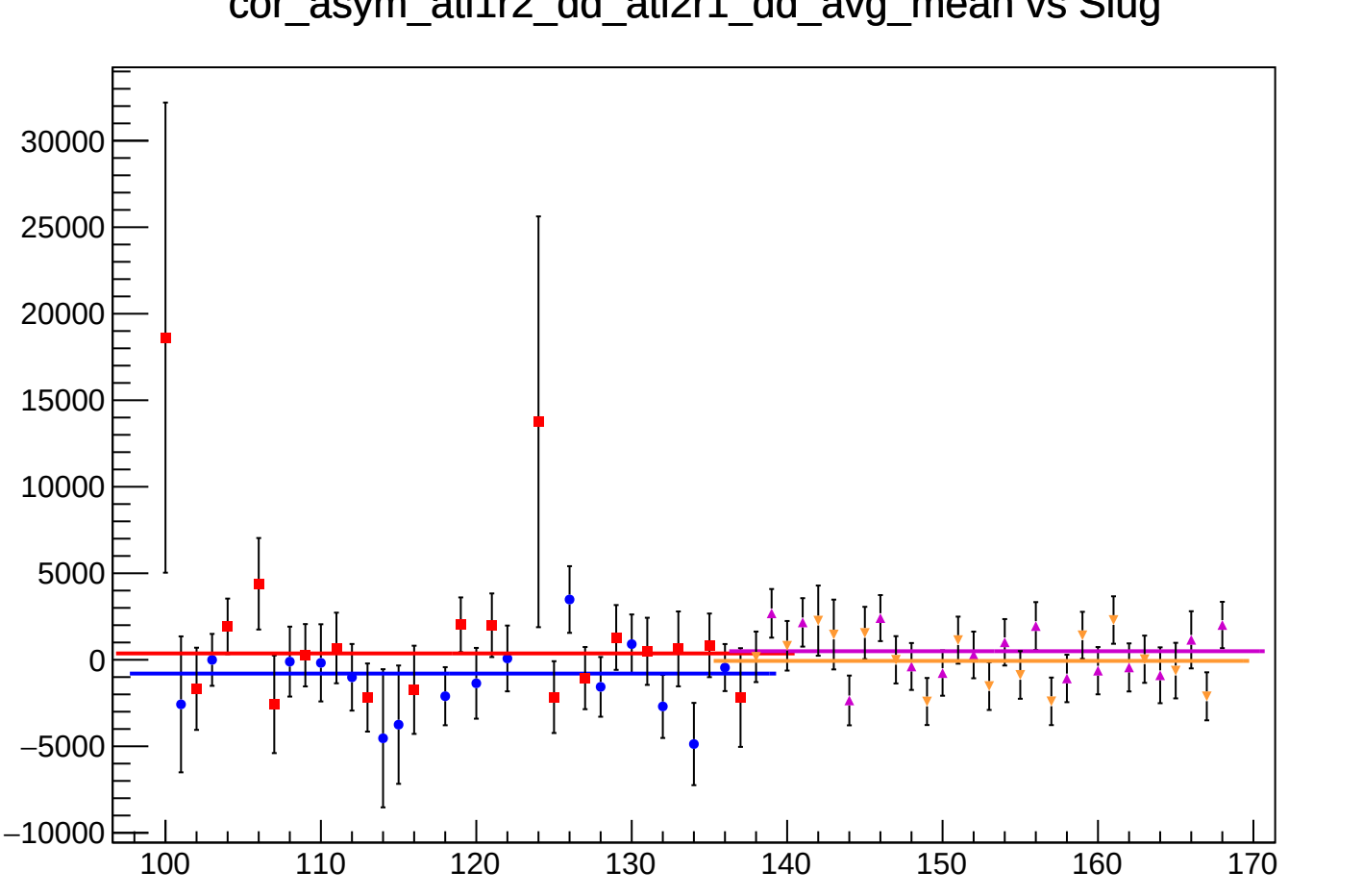
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 323.177+/-0.066 χ^2/NDF:825595.6/14

+ sign 328.167+/-0.058 χ^2/NDF: 6726687.8/31

All: 332.651+/-0.041 χ^2/NDF: 11809709.1/65

- sign 337.208+/-0.058 χ^2/NDF: 5070788.6/33



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -64.479+/-362.785 χ^2/NDF:18.0/15

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

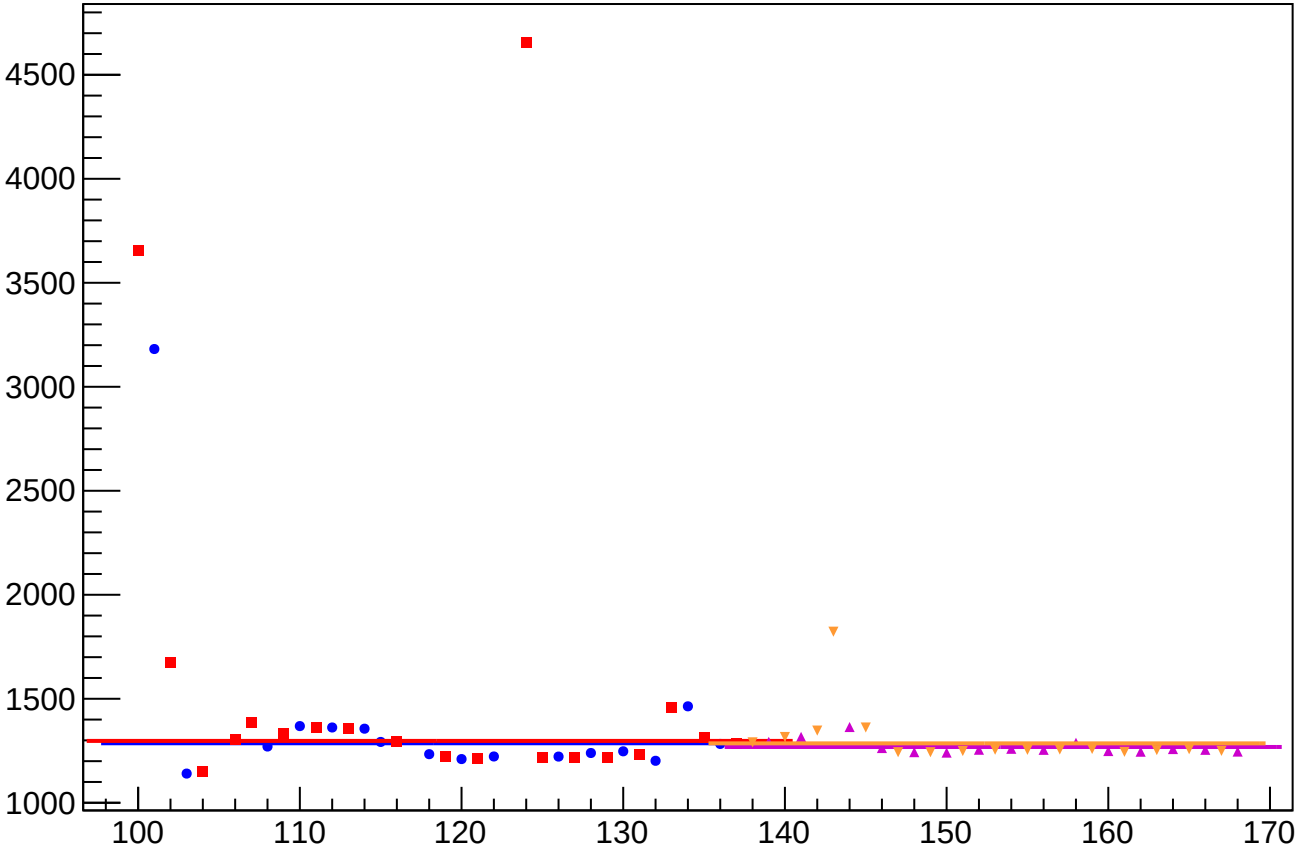
Left In: 495.775+/-360.086 χ^2/NDF:17.1/14

+ sign -325.550+/-291.030 χ^2/NDF: 32.8/31

All: 64.579+/-205.210 χ^2/NDF: 69.2/65

- sign 450.347+/-289.399 χ^2/NDF: 32.8/33

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1285.581+/-0.257 χ^2/NDF:163512.3/15

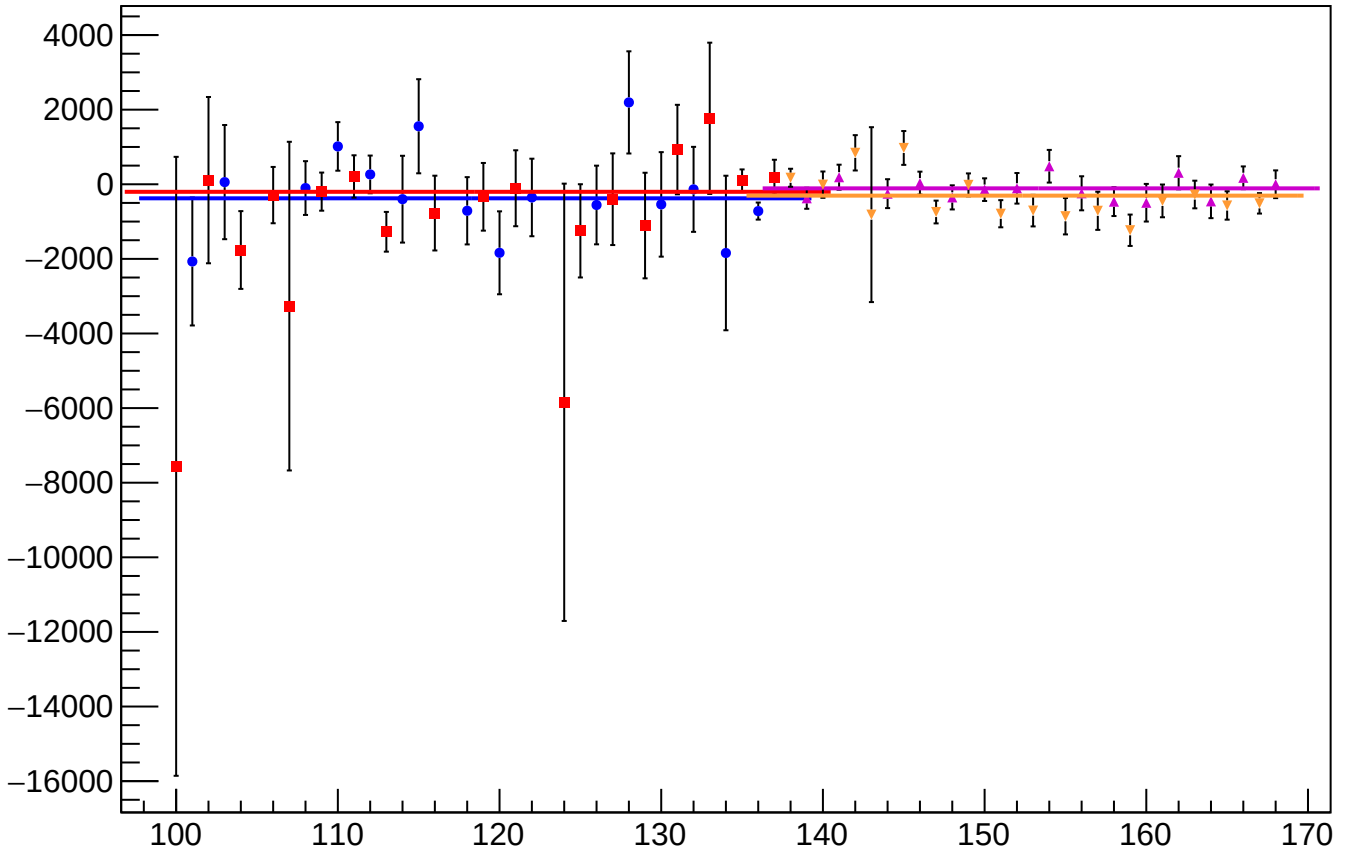
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1268.223+/-0.255 χ^2/NDF:16085.4/14

+ sign 1285.765+/-0.206 χ^2/NDF: 681642.2/31

All: 1282.138+/-0.145 χ^2/NDF: 1030734.7/65

- sign 1278.552+/-0.205 χ^2/NDF: 348474.7/33



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -304.631+/-93.028 χ^2/NDF:32.1/15

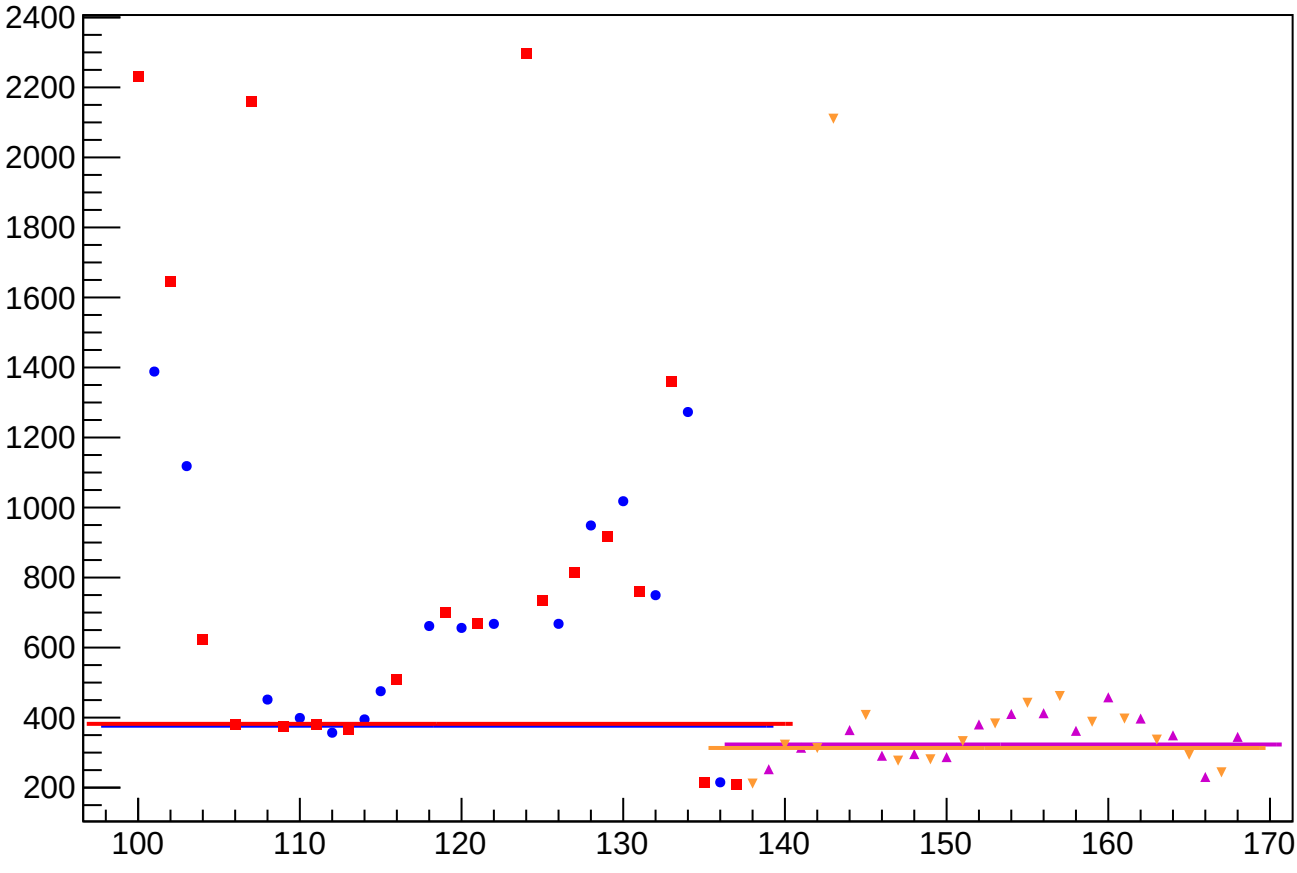
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -109.672+/-93.791 χ^2/NDF:8.4/14

+ sign -321.526+/-81.409 χ^2/NDF: 50.1/31

All: -227.196+/-57.790 χ^2/NDF: 75.5/65

- sign -131.372+/-82.051 χ^2/NDF: 22.7/33



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 313.272+/-0.066 χ^2/NDF:2317186.1/15

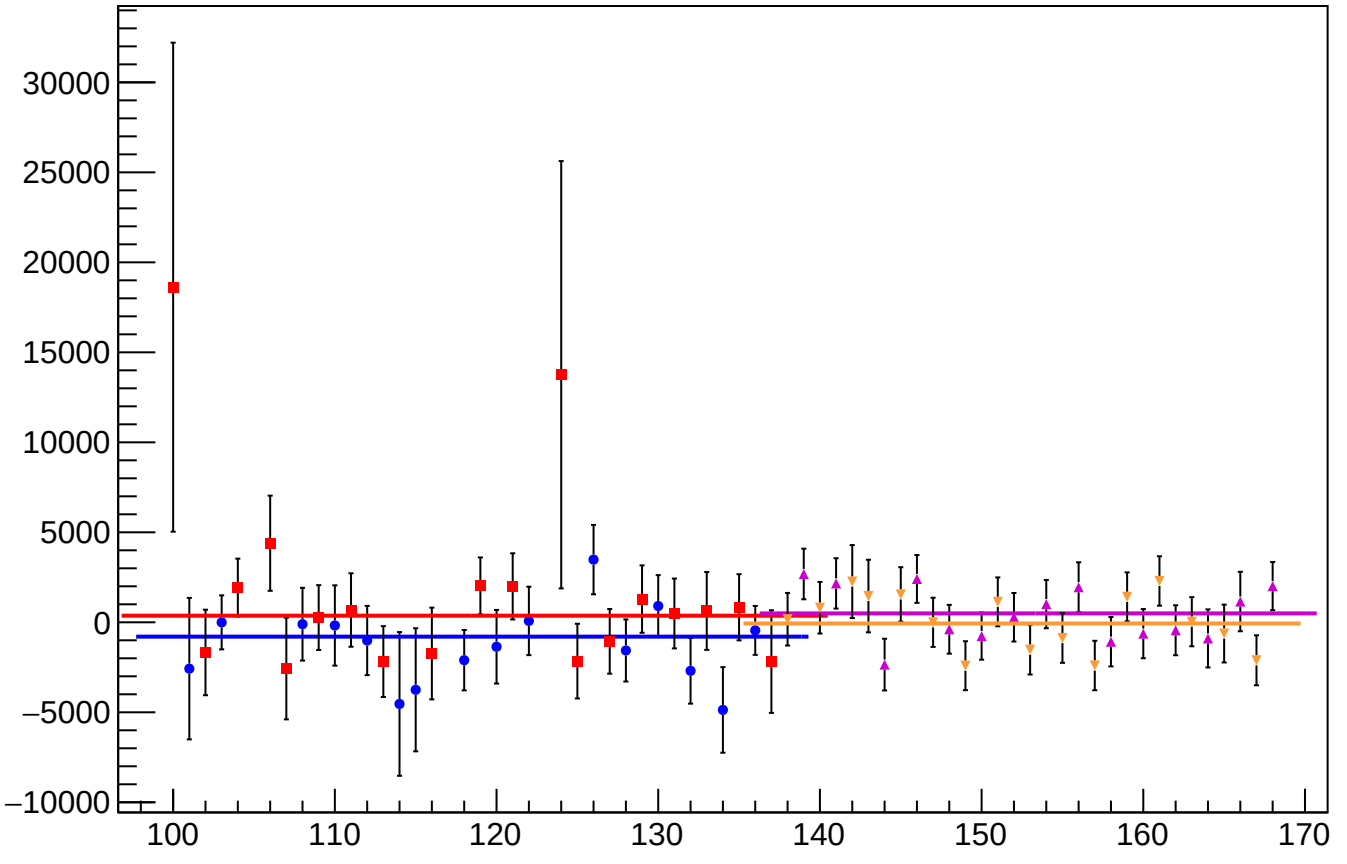
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 323.178+/-0.066 χ^2/NDF:825714.2/14

+ sign 328.170+/-0.058 χ^2/NDF: 6729517.4/31

All: 332.557+/-0.041 χ^2/NDF: 11812004.4/65

- sign 337.013+/-0.058 χ^2/NDF: 5070778.3/33



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -64.479+/-362.785 χ^2/NDF:18.0/15

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

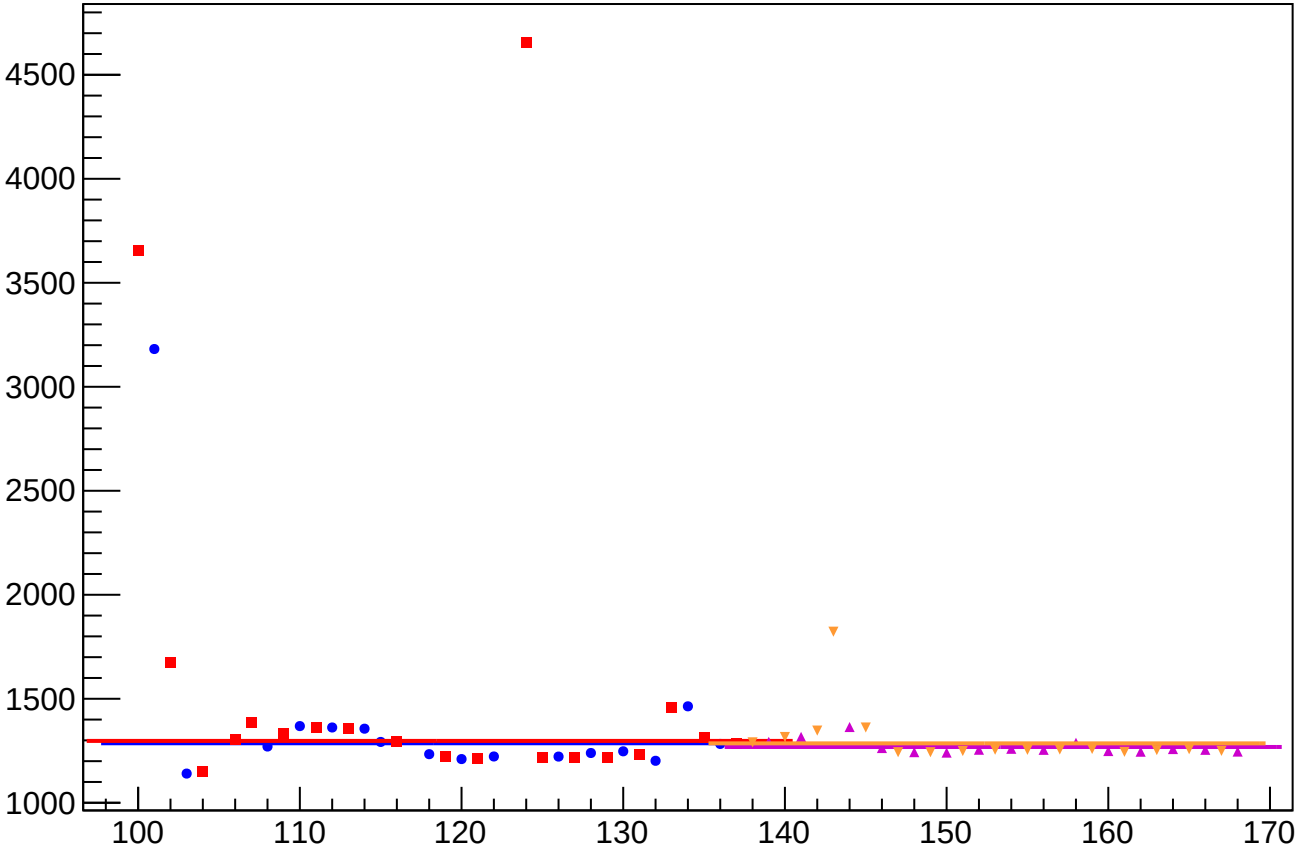
Left In: 495.775+/-360.086 χ^2/NDF:17.1/14

\+ sign -325.550+/-291.030 χ^2/NDF: 32.8/31

All: 64.579+/-205.210 χ^2/NDF: 69.2/65

\- sign 450.347+/-289.399 χ^2/NDF: 32.8/33

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: 1285.581+/-0.257 χ^2/NDF:163512.3/15

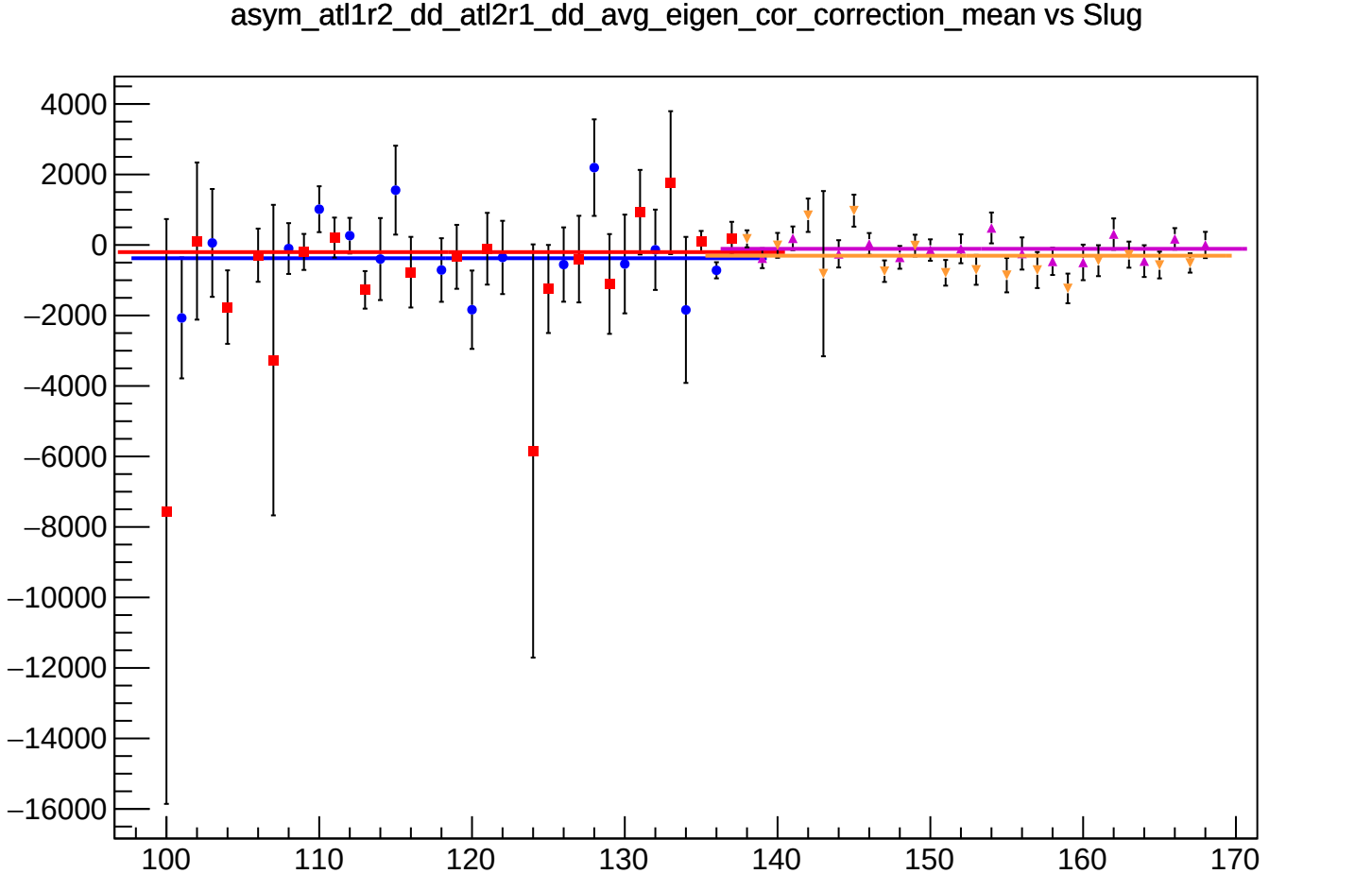
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1268.223+/-0.255 χ^2/NDF:16085.4/14

+ sign 1285.765+/-0.206 χ^2/NDF: 681642.2/31

All: 1282.138+/-0.145 χ^2/NDF: 1030734.7/65

- sign 1278.552+/-0.205 χ^2/NDF: 348474.7/33



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -304.631+/-93.028 χ^2/NDF:32.1/15

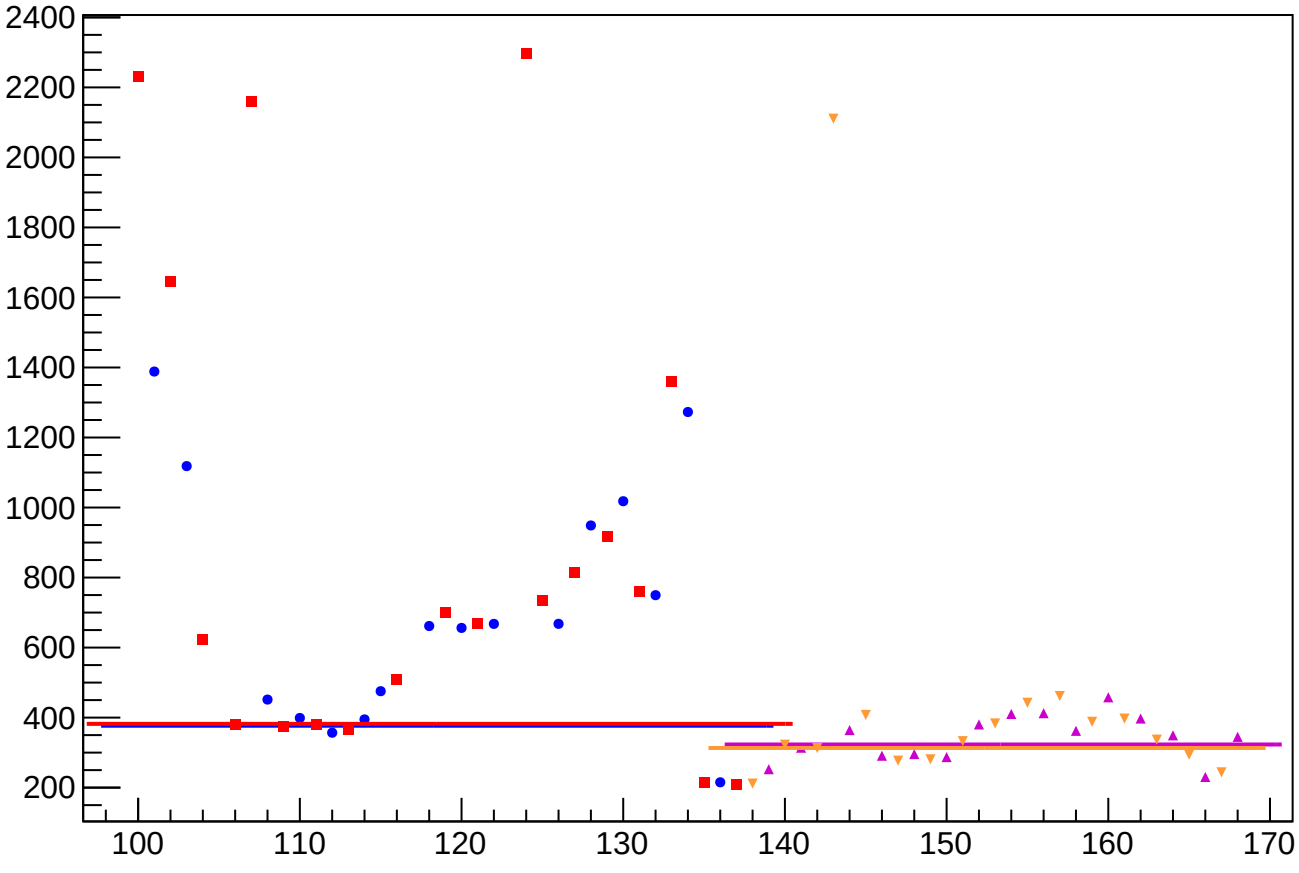
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -109.672+/-93.791 χ^2/NDF:8.4/14

+ sign -321.526+/-81.409 χ^2/NDF: 50.1/31

All: -227.196+/-57.790 χ^2/NDF: 75.5/65

- sign -131.372+/-82.051 χ^2/NDF: 22.7/33



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 313.272+/-0.066 χ^2/NDF:2317186.1/15

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

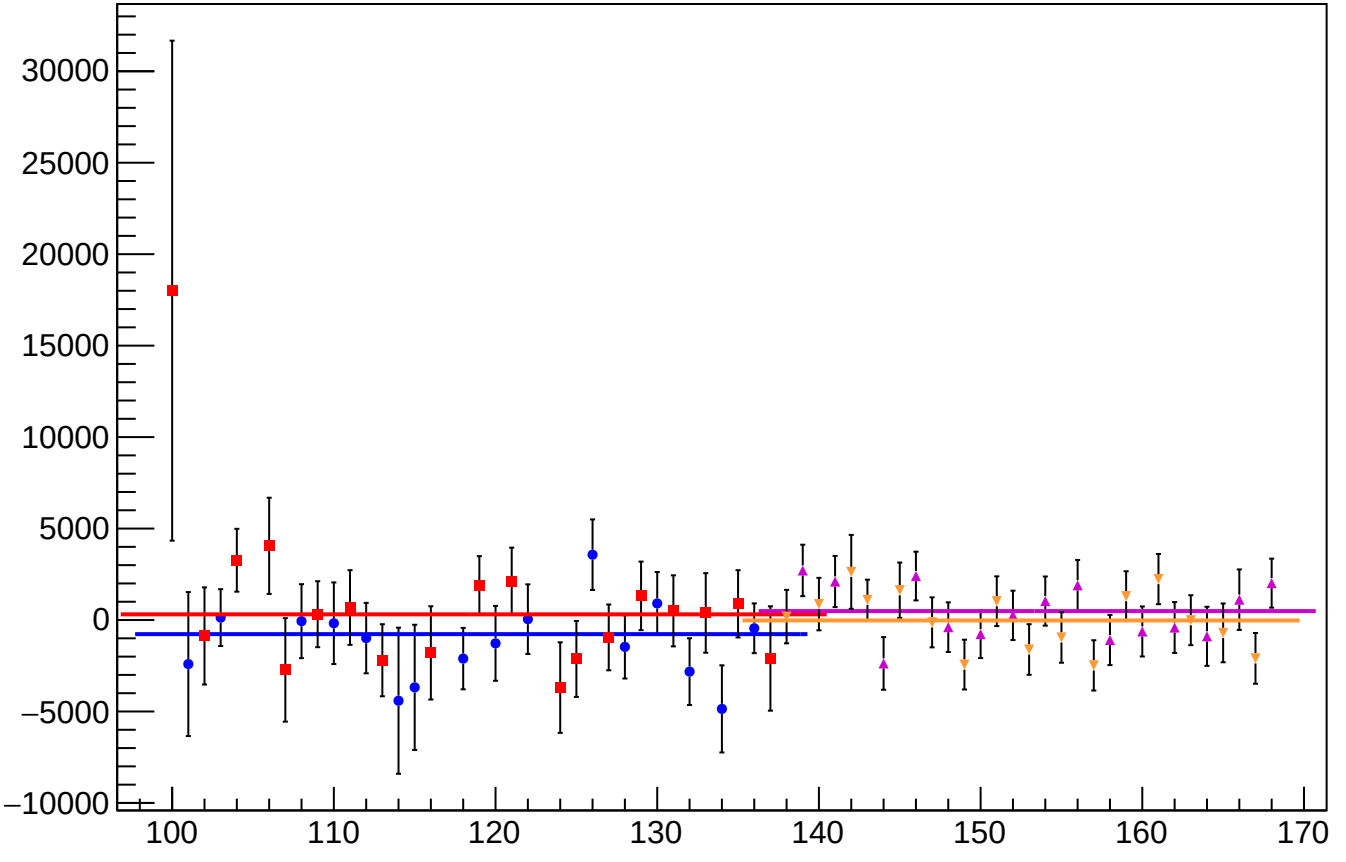
Left In: 323.178+/-0.066 χ^2/NDF:825714.2/14

+ sign 328.170+/-0.058 χ^2/NDF: 6729517.4/31

All: 332.557+/-0.041 χ^2/NDF: 11812004.4/65

- sign 337.013+/-0.058 χ^2/NDF: 5070778.3/33

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -23.503+/-350.082 χ^2/NDF:19.2/15

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

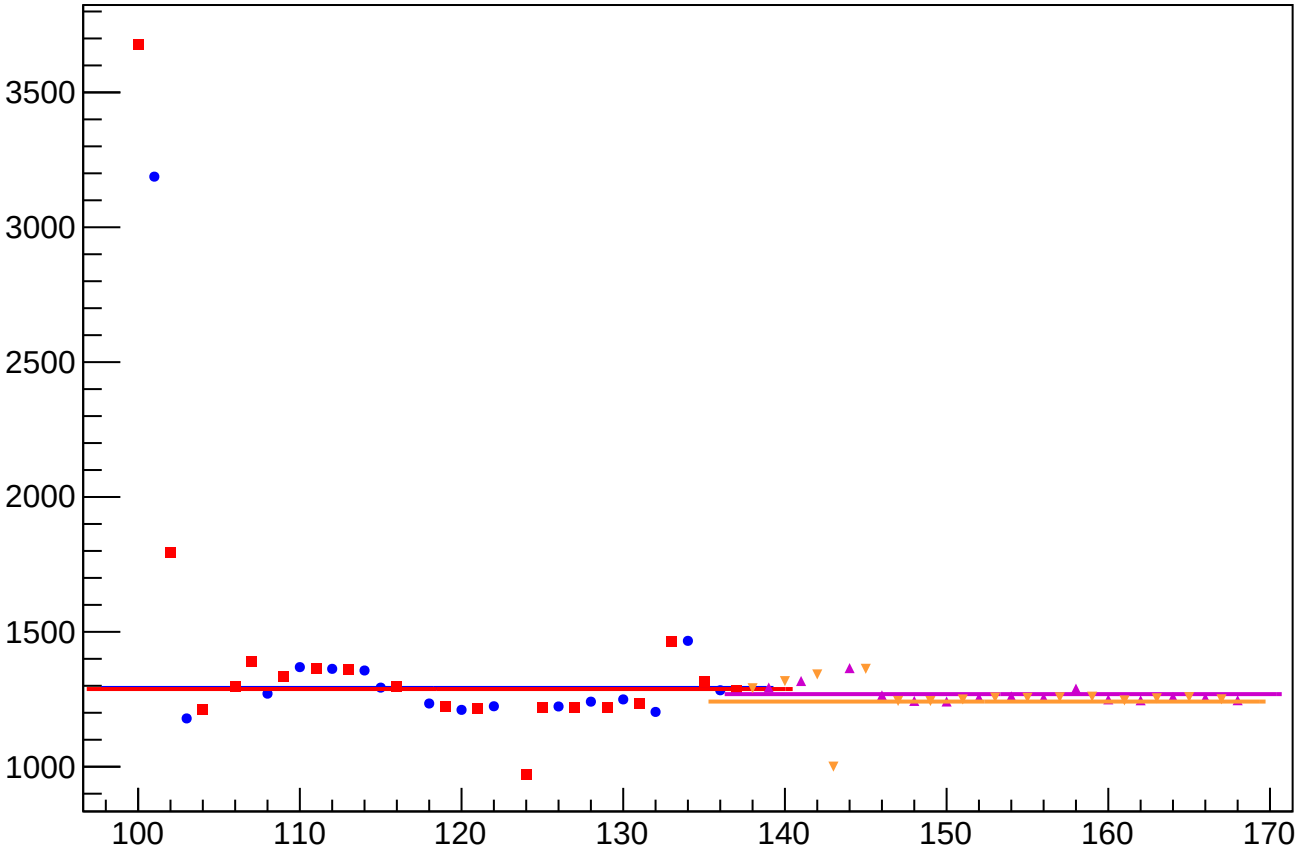
Left In: 488.459+/-360.350 χ^2/NDF:17.0/14

+ sign -276.555+/-284.773 χ^2/NDF: 34.3/31

All: 69.406+/-202.756 χ^2/NDF: 72.3/65

- sign 425.092+/-288.748 χ^2/NDF: 35.0/33

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1241.561+/-0.248 χ^2/NDF:122229.2/15

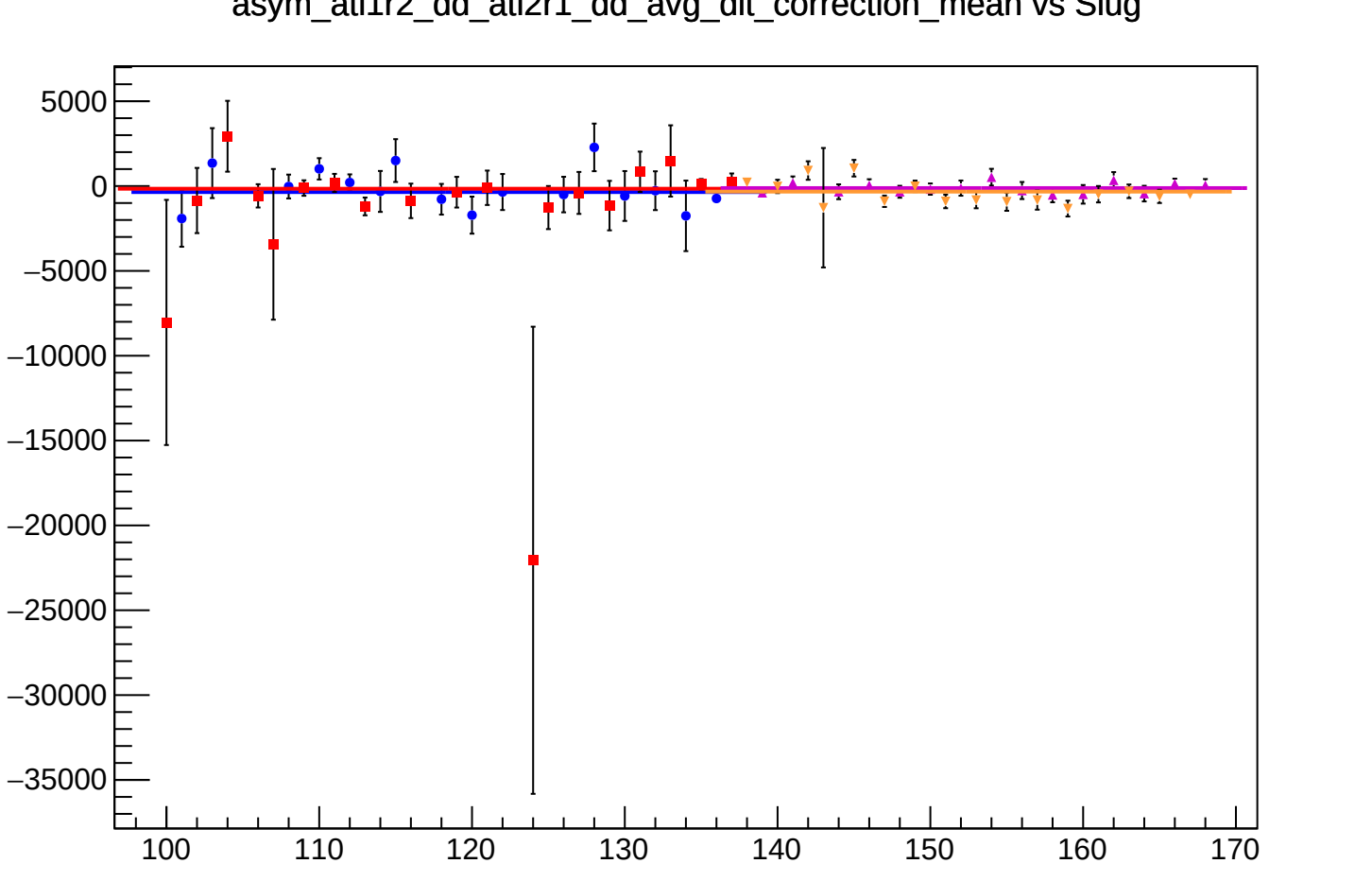
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1269.145+/-0.255 χ^2/NDF:16208.2/14

+ sign 1258.637+/-0.201 χ^2/NDF: 645702.1/31

All: 1267.144+/-0.143 χ^2/NDF: 876695.7/65

- sign 1275.889+/-0.204 χ^2/NDF: 227374.4/33



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -327.824+/-98.934 χ^2/NDF:33.4/15

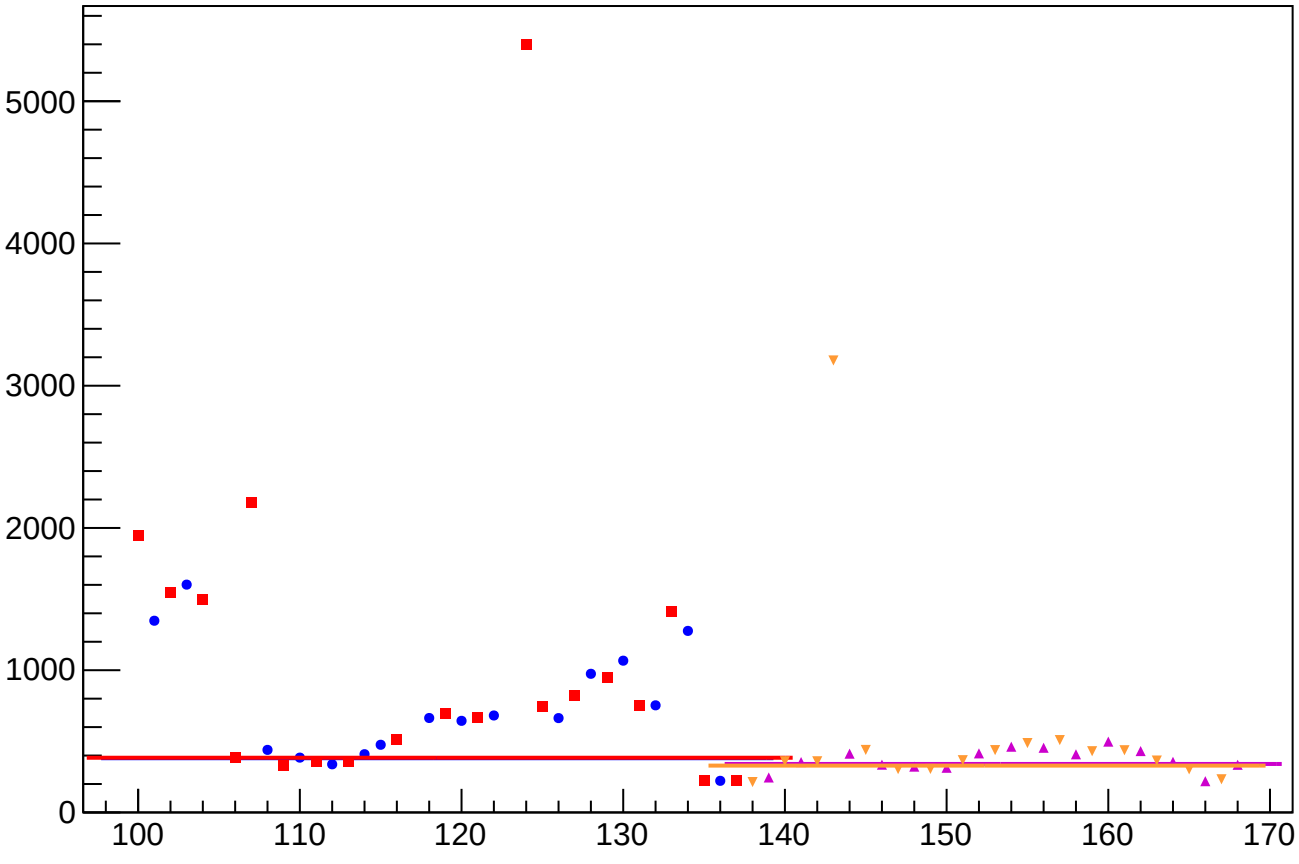
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -119.218+/-99.769 χ^2/NDF:8.1/14

+ sign -334.759+/-85.504 χ^2/NDF: 51.8/31

All: -232.558+/-60.636 χ^2/NDF: 78.7/65

- sign -129.163+/-86.002 χ^2/NDF: 23.9/33



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 329.360+/-0.070 χ^2/NDF:2886622.7/15

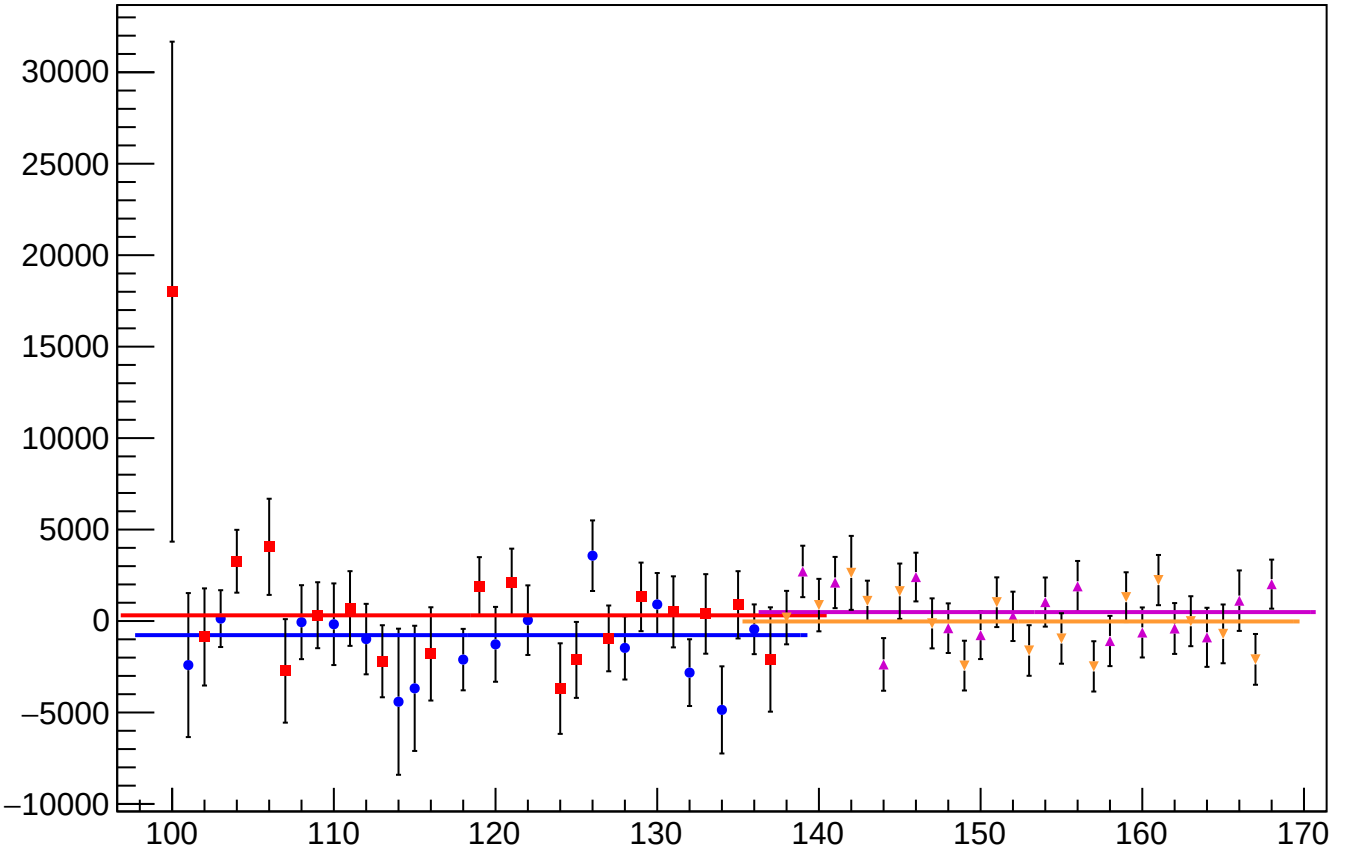
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 340.894+/-0.071 χ^2/NDF:1222240.6/14

+ sign 342.516+/-0.060 χ^2/NDF: 7344309.0/31

All: 347.299+/-0.043 χ^2/NDF: 13238190.9/65

- sign 352.137+/-0.061 χ^2/NDF: 5881296.0/33



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -23.502+/-350.082 χ^2/NDF:19.2/15

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

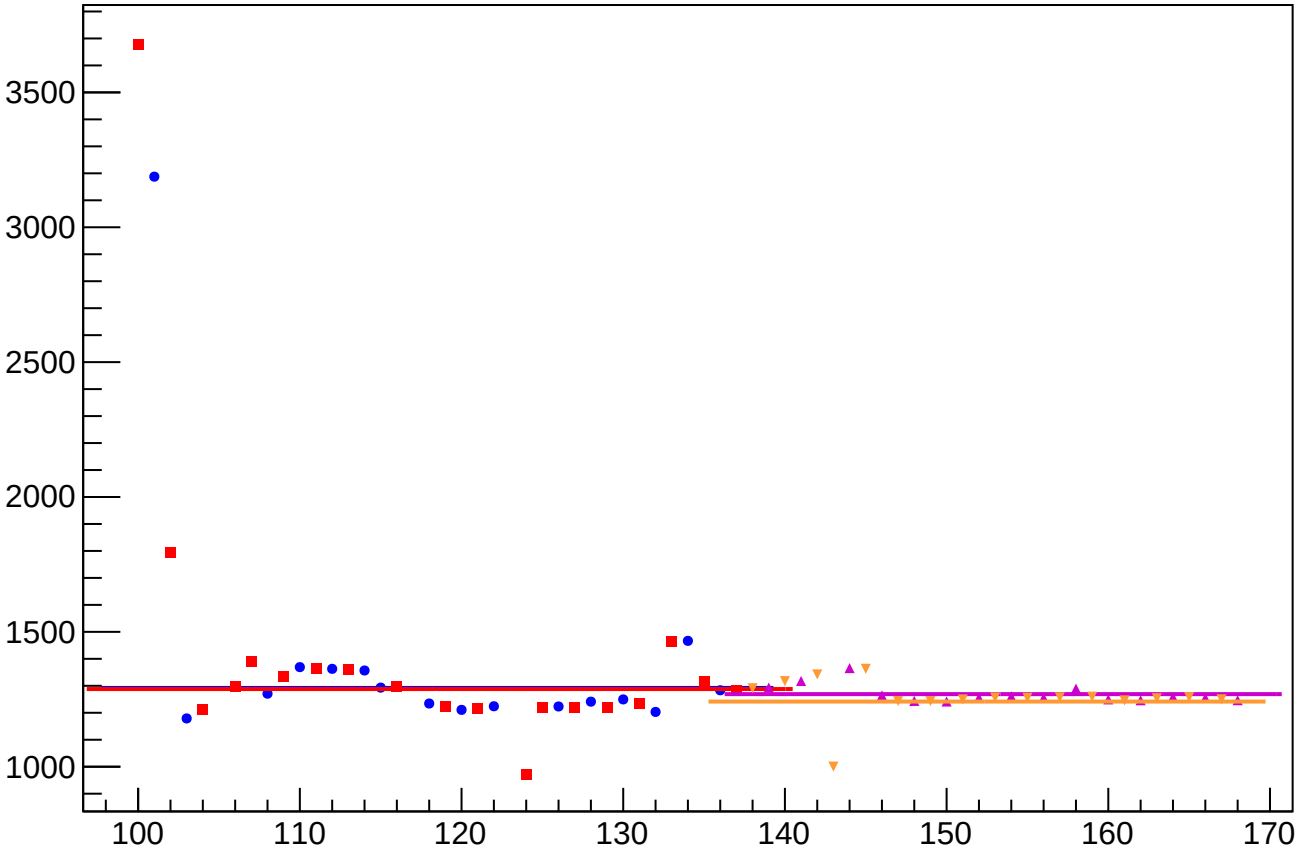
Left In: 488.459+/-360.350 χ^2/NDF:17.0/14

\+ sign -276.555+/-284.773 χ^2/NDF: 34.3/31

All: 69.406+/-202.756 χ^2/NDF: 72.3/65

\- sign 425.093+/-288.748 χ^2/NDF: 35.0/33

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1241.561+/-0.248 χ^2/NDF:122228.4/15

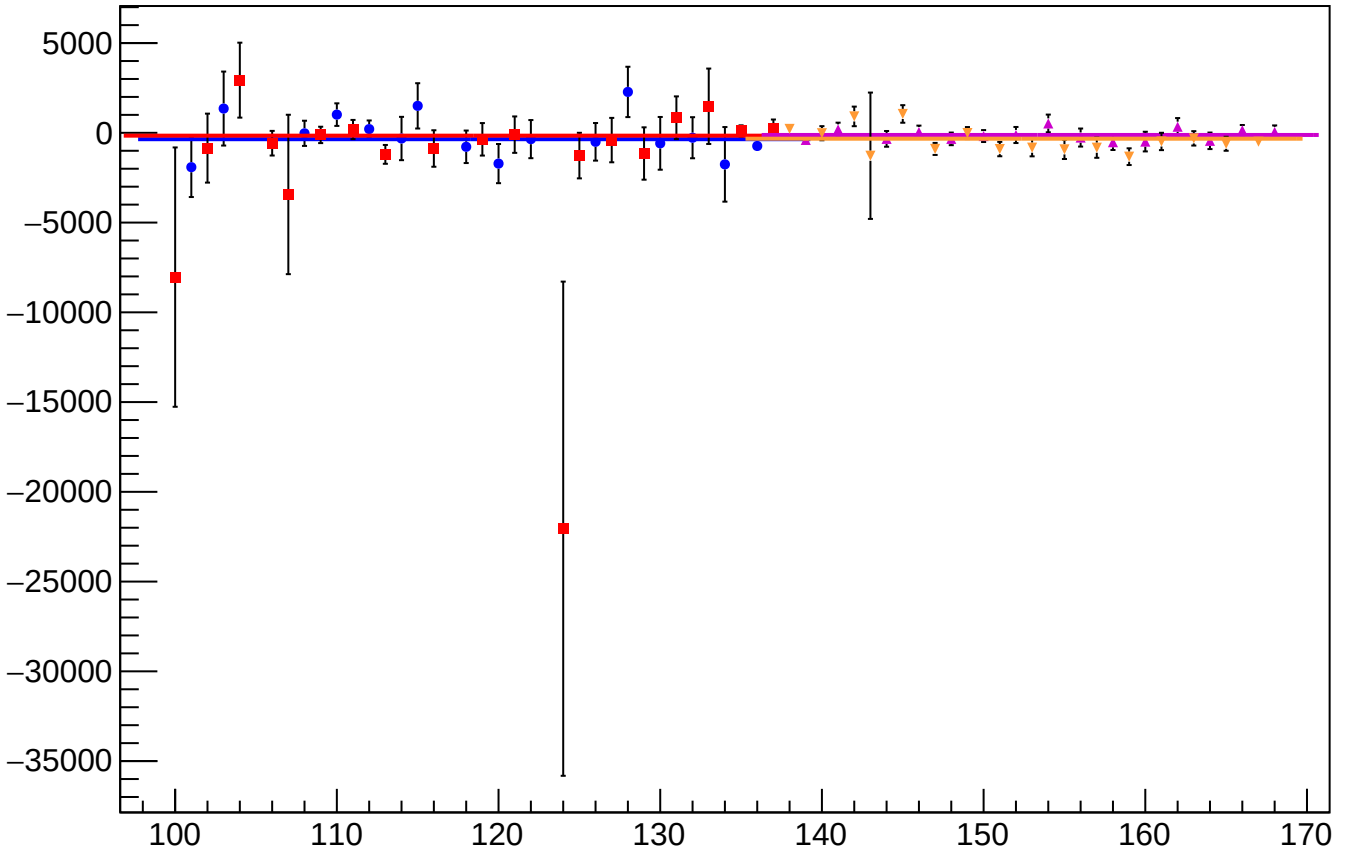
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1269.145+/-0.255 χ^2/NDF:16208.2/14

+ sign 1258.638+/-0.201 χ^2/NDF: 645701.2/31

All: 1267.144+/-0.143 χ^2/NDF: 876695.1/65

- sign 1275.889+/-0.204 χ^2/NDF: 227374.7/33



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -327.835+/-98.935 χ^2/NDF:33.4/15

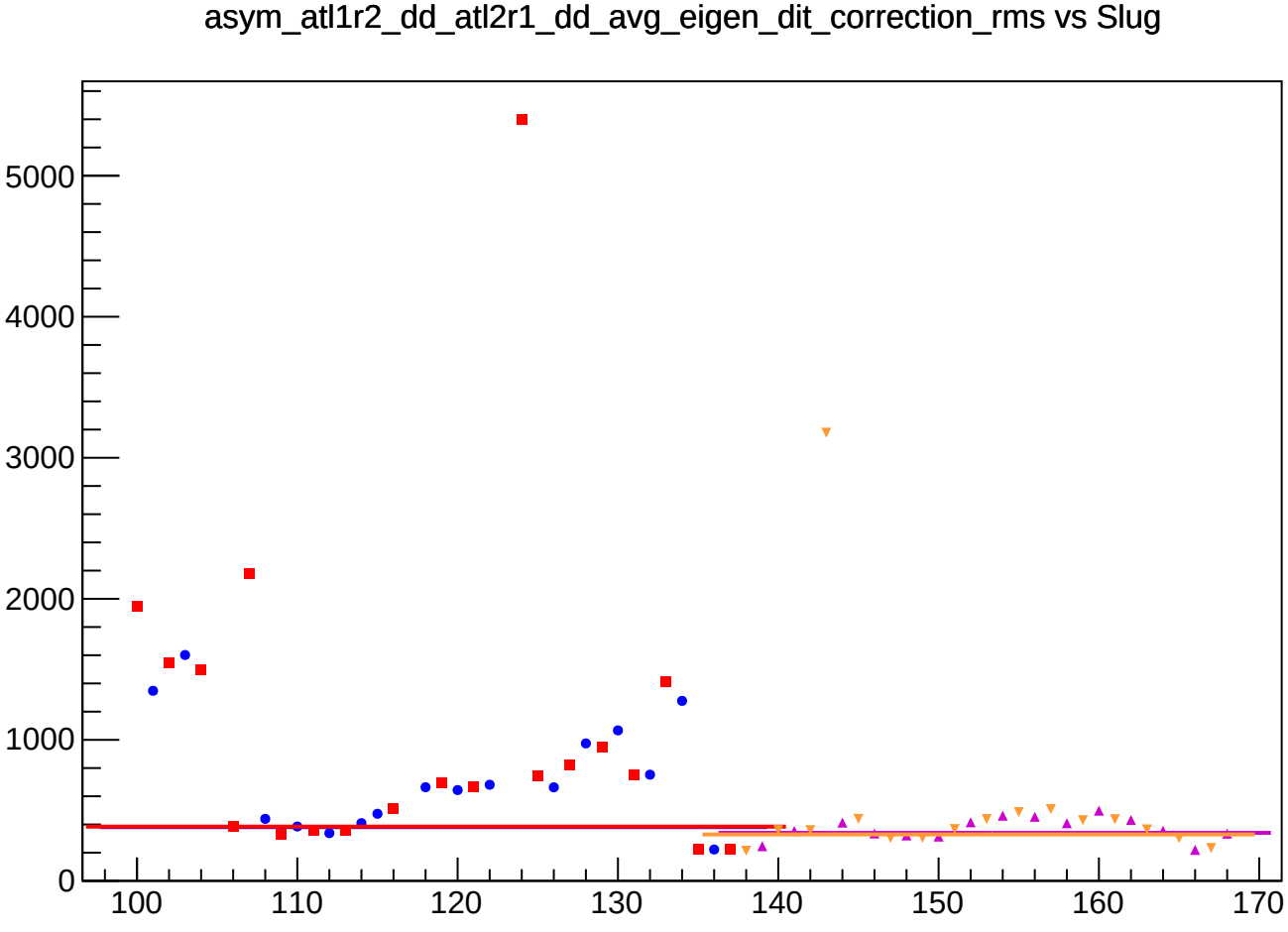
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -119.216+/-99.770 χ^2/NDF:8.1/14

+ sign -334.766+/-85.505 χ^2/NDF: 51.8/31

All: -232.561+/-60.636 χ^2/NDF: 78.7/65

- sign -129.163+/-86.003 χ^2/NDF: 23.9/33



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 329.363+/-0.070 χ^2/NDF:2886488.8/15

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

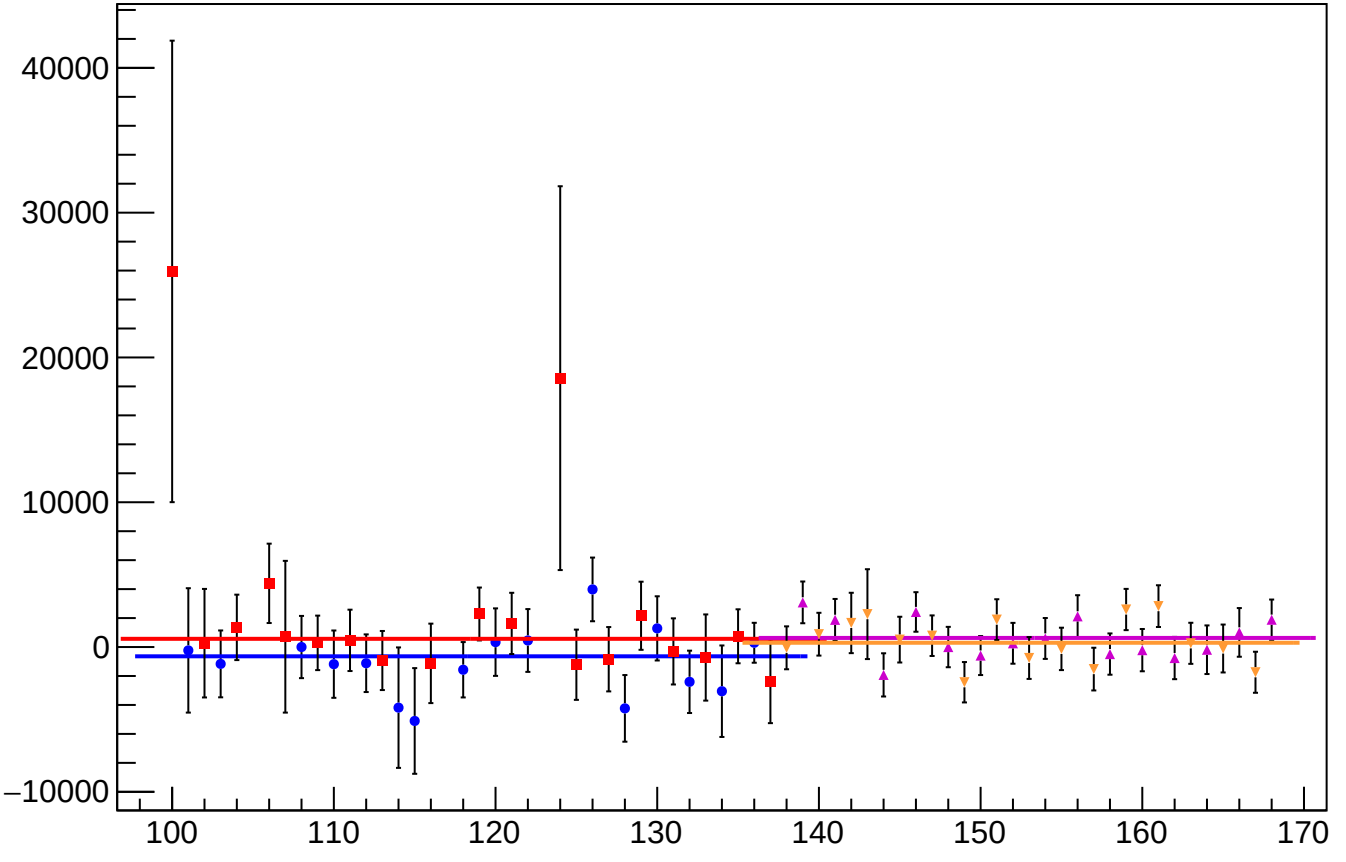
Left In: 340.896+/-0.071 χ^2/NDF:1222165.2/14

+ sign 342.521+/-0.060 χ^2/NDF: 7344020.6/31

All: 347.303+/-0.043 χ^2/NDF: 13237705.7/65

- sign 352.140+/-0.061 χ^2/NDF: 5881103.1/33

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 295.725+/-380.267 χ^2/NDF:16.2/15

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

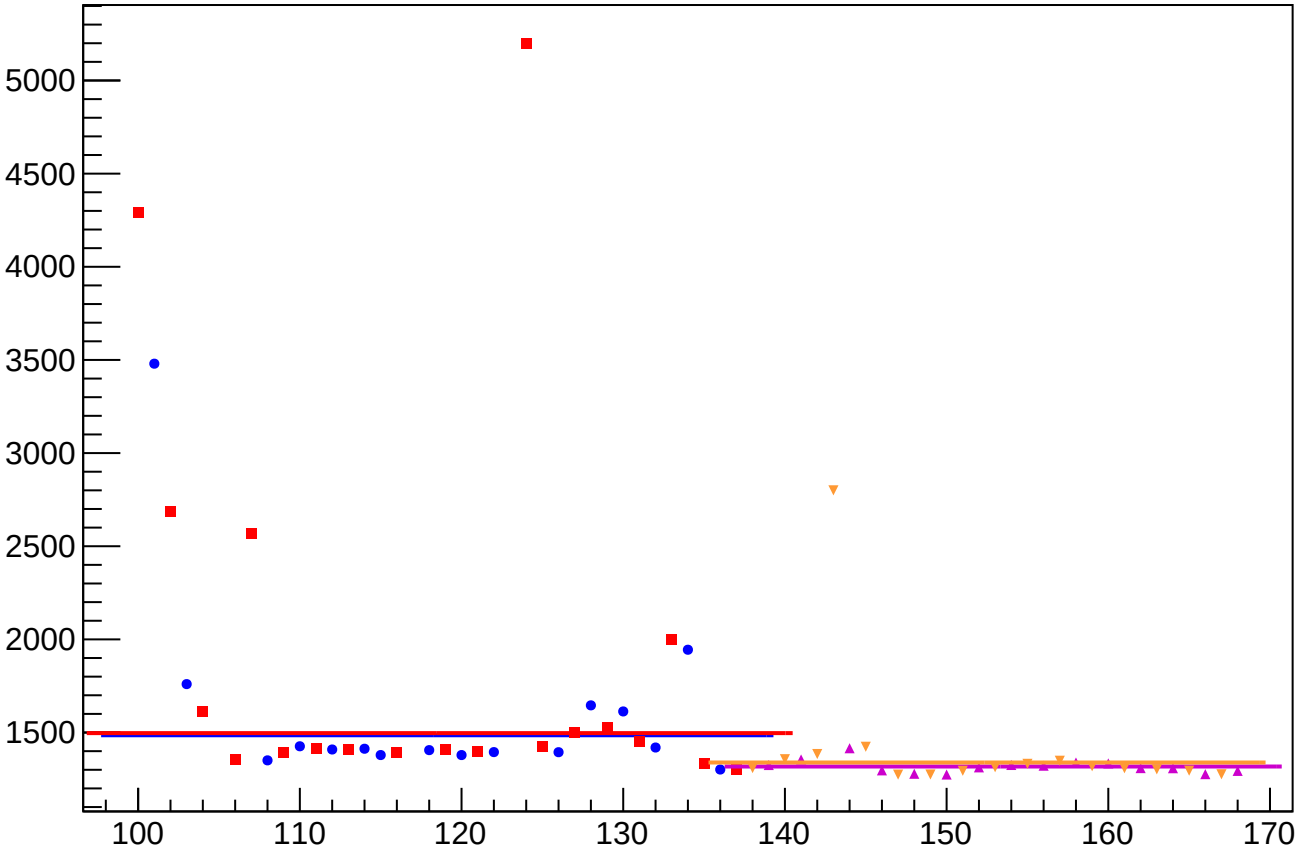
Left In: 628.888+/-374.124 χ^2/NDF:13.4/14

+ sign 3.295+/-315.360 χ^2/NDF: 30.6/31

All: 309.761+/-221.880 χ^2/NDF: 57.2/65

- sign 610.183+/-312.234 χ^2/NDF: 24.7/33

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1339.155+/-0.269 χ^2/NDF:470405.8/15

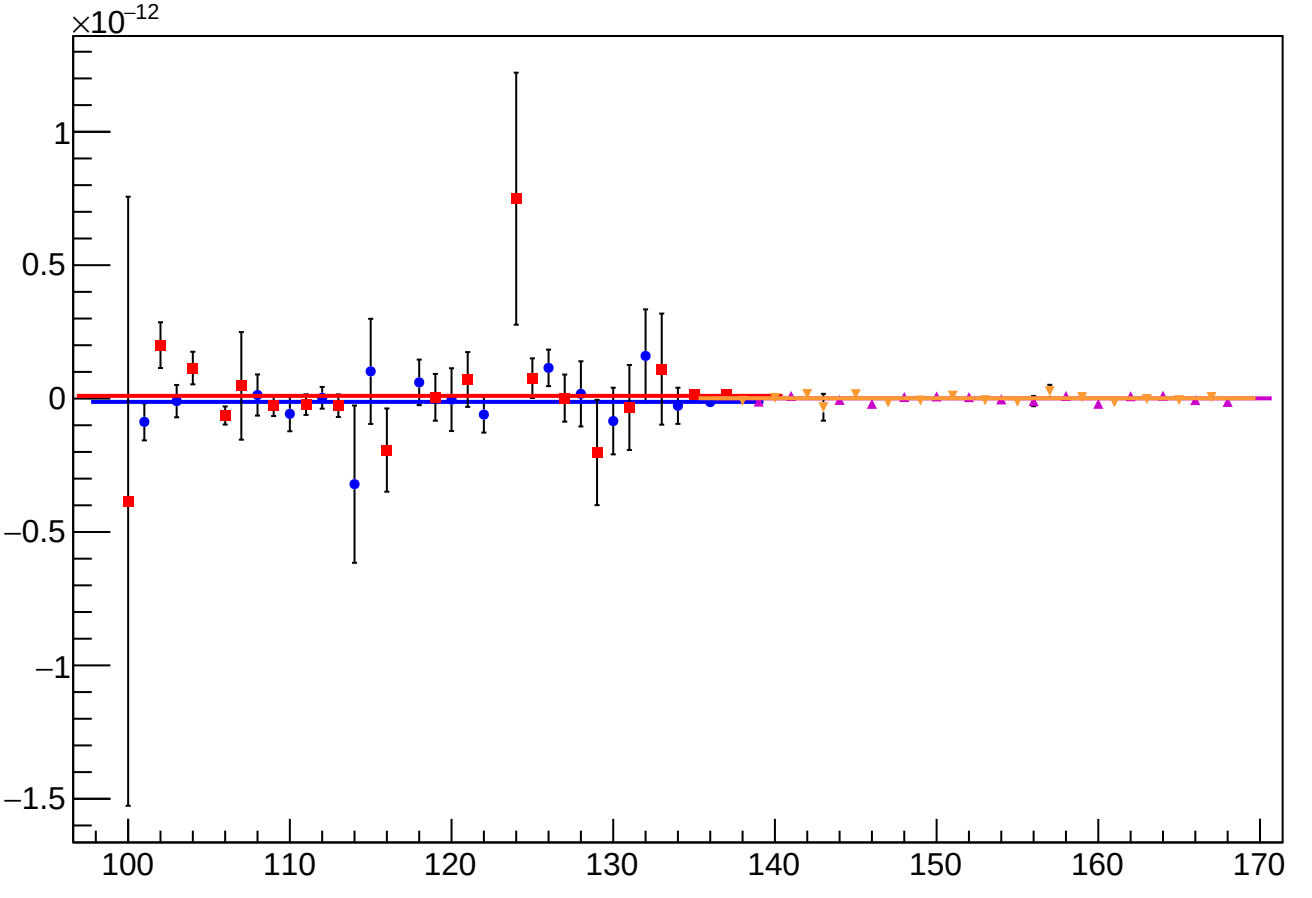
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1317.605+/-0.265 χ^2/NDF:16823.5/14

+ sign 1384.810+/-0.223 χ^2/NDF: 1147202.8/31

All: 1378.345+/-0.157 χ^2/NDF: 1928334.3/65

- sign 1372.009+/-0.221 χ^2/NDF: 779467.3/33



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.8/15

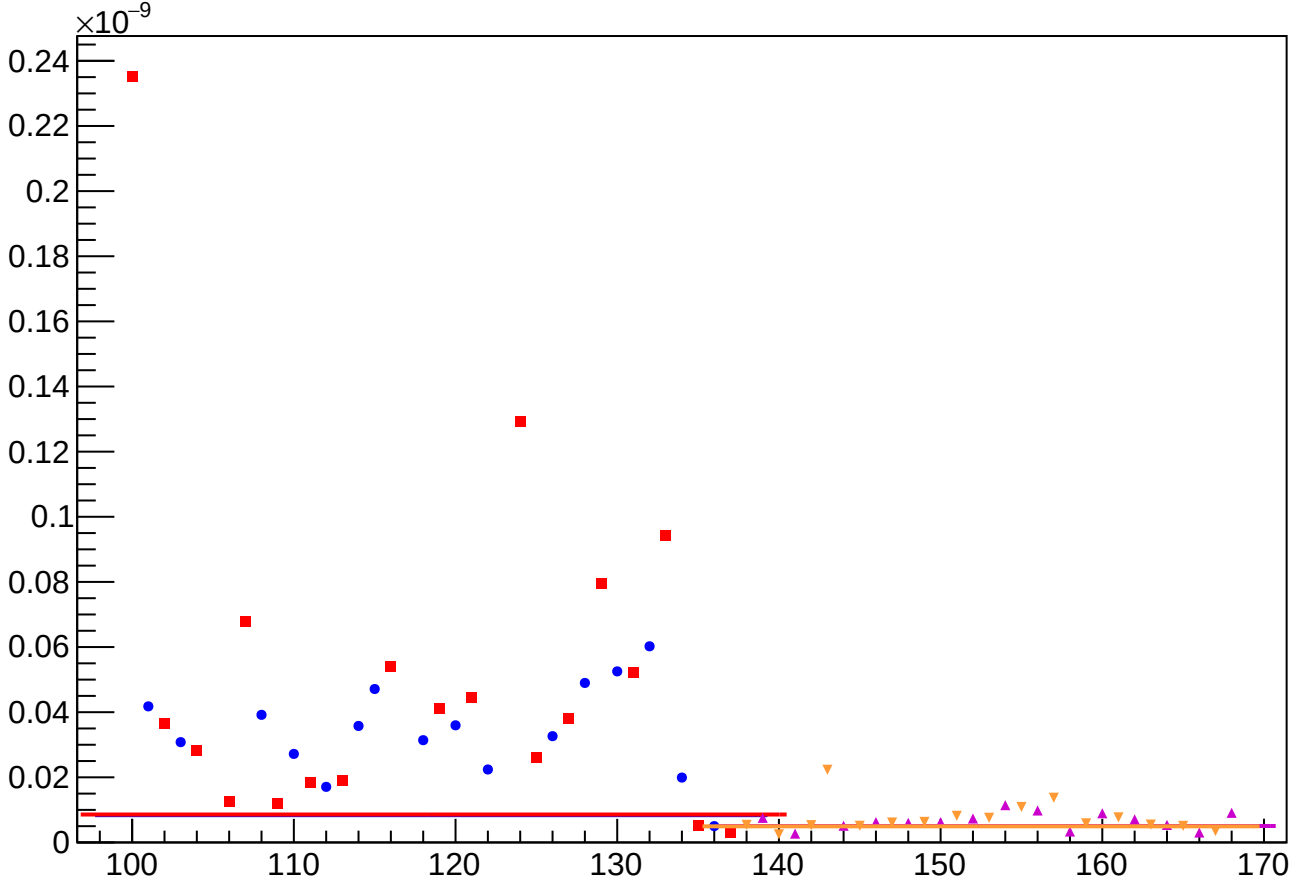
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 27.3/31

All: 0.000+/-0.000 χ^2/NDF: 66.5/65

- sign 0.000+/-0.000 χ^2/NDF: 39.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1759200.9/15

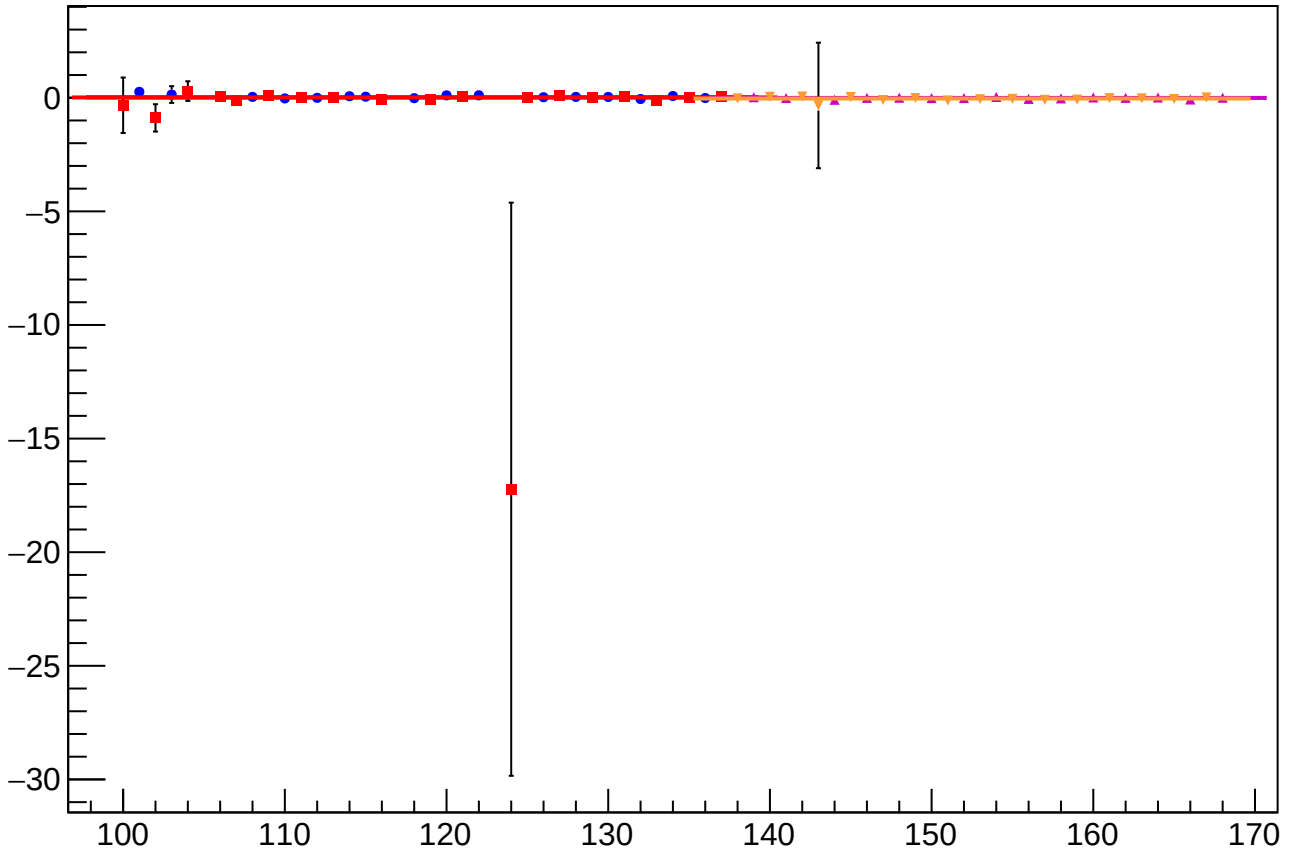
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1575056.4/14

+ sign 0.000+/-0.000 χ^2/NDF: 5204635.1/31

All: 0.000+/-0.000 χ^2/NDF: 10481994.8/65

- sign 0.000+/-0.000 χ^2/NDF: 5275761.1/33



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.010 χ^2/NDF:20.6/15

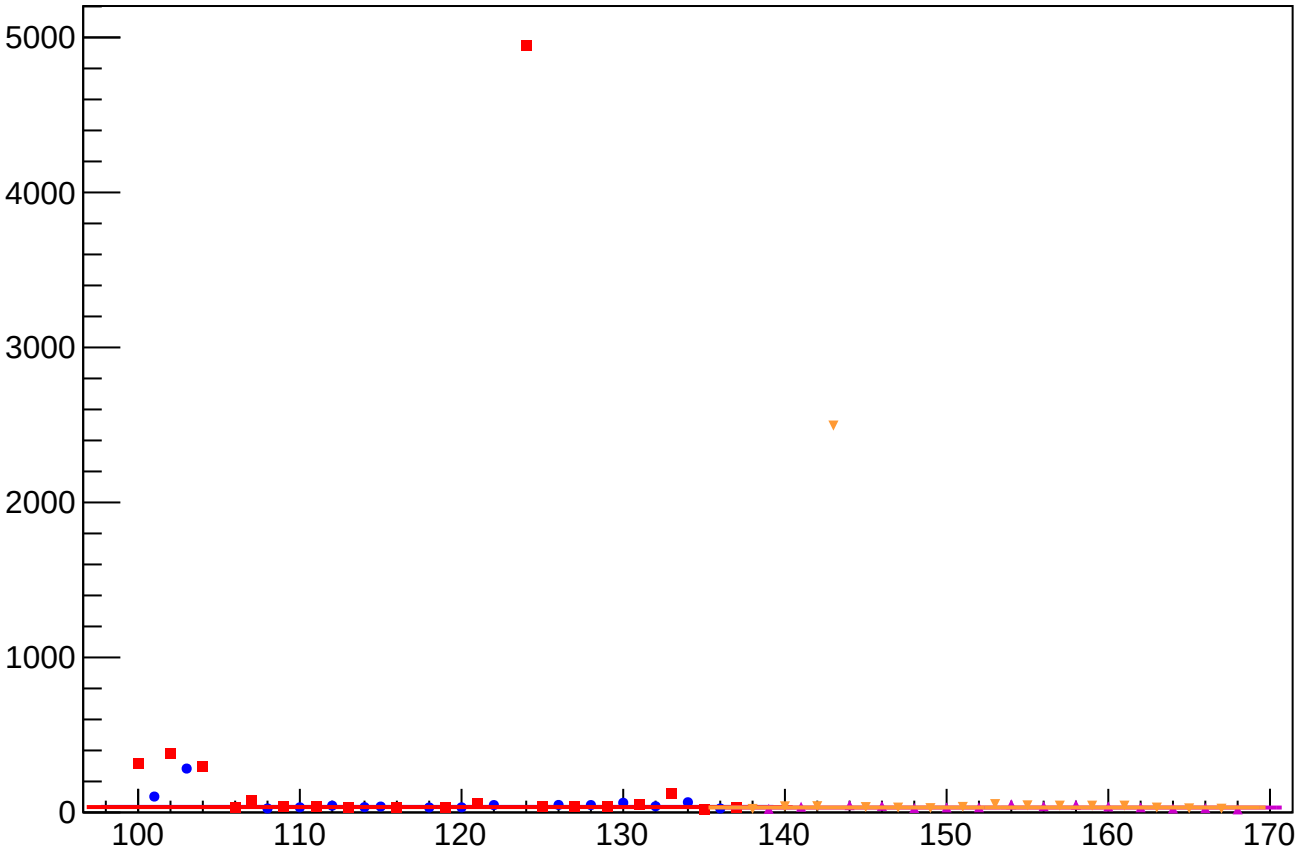
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.008+/-0.010 χ^2/NDF:8.8/14

+ sign -0.018+/-0.009 χ^2/NDF: 39.4/31

All: -0.010+/-0.006 χ^2/NDF: 67.5/65

- sign -0.002+/-0.008 χ^2/NDF: 26.2/33



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891530.3/15

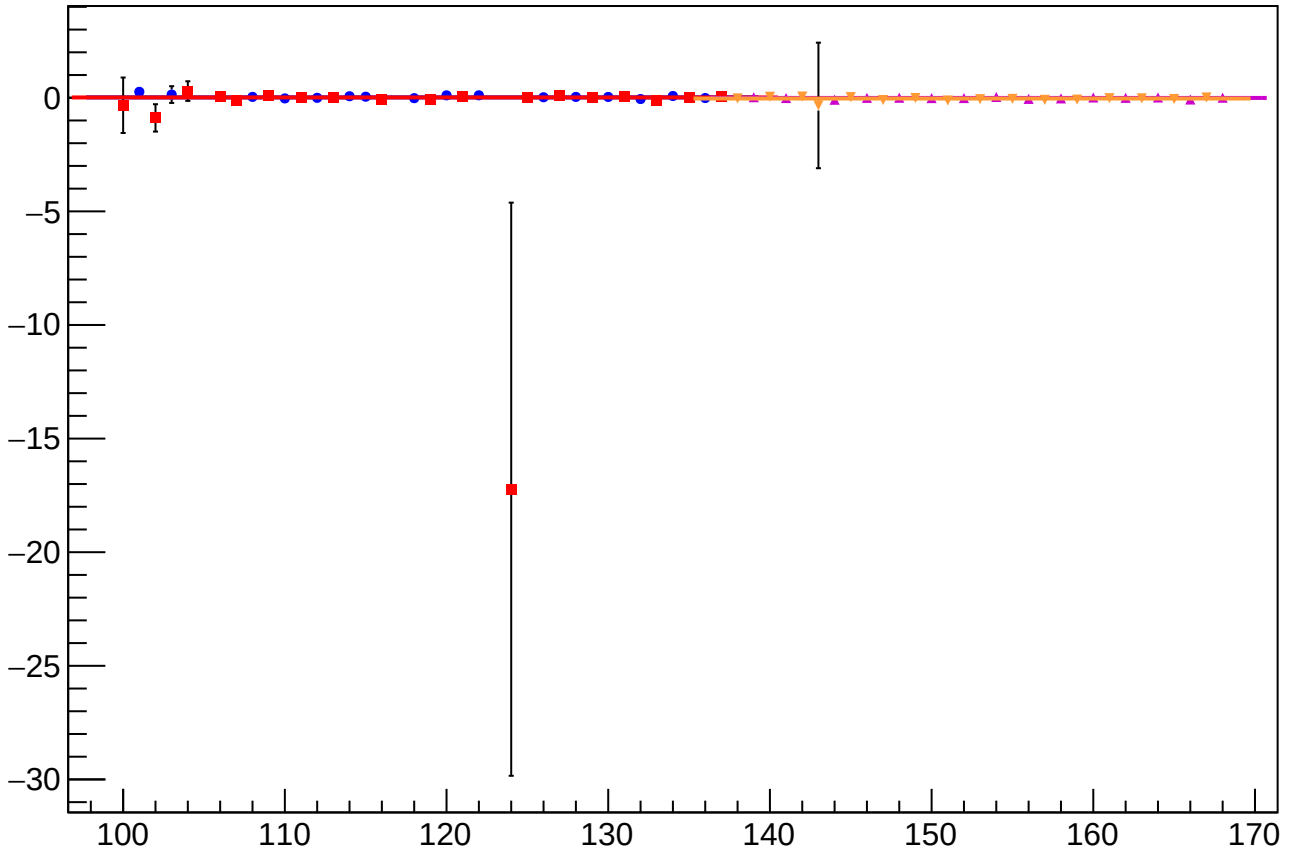
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.641+/-0.007 χ^2/NDF:1614263.4/14

\+ sign 33.319+/-0.006 χ^2/NDF: 5227422.7/31

All: 32.935+/-0.004 χ^2/NDF: 9821517.7/65

\- sign 32.563+/-0.006 χ^2/NDF: 4586188.2/33



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.010 χ^2/NDF:20.6/15

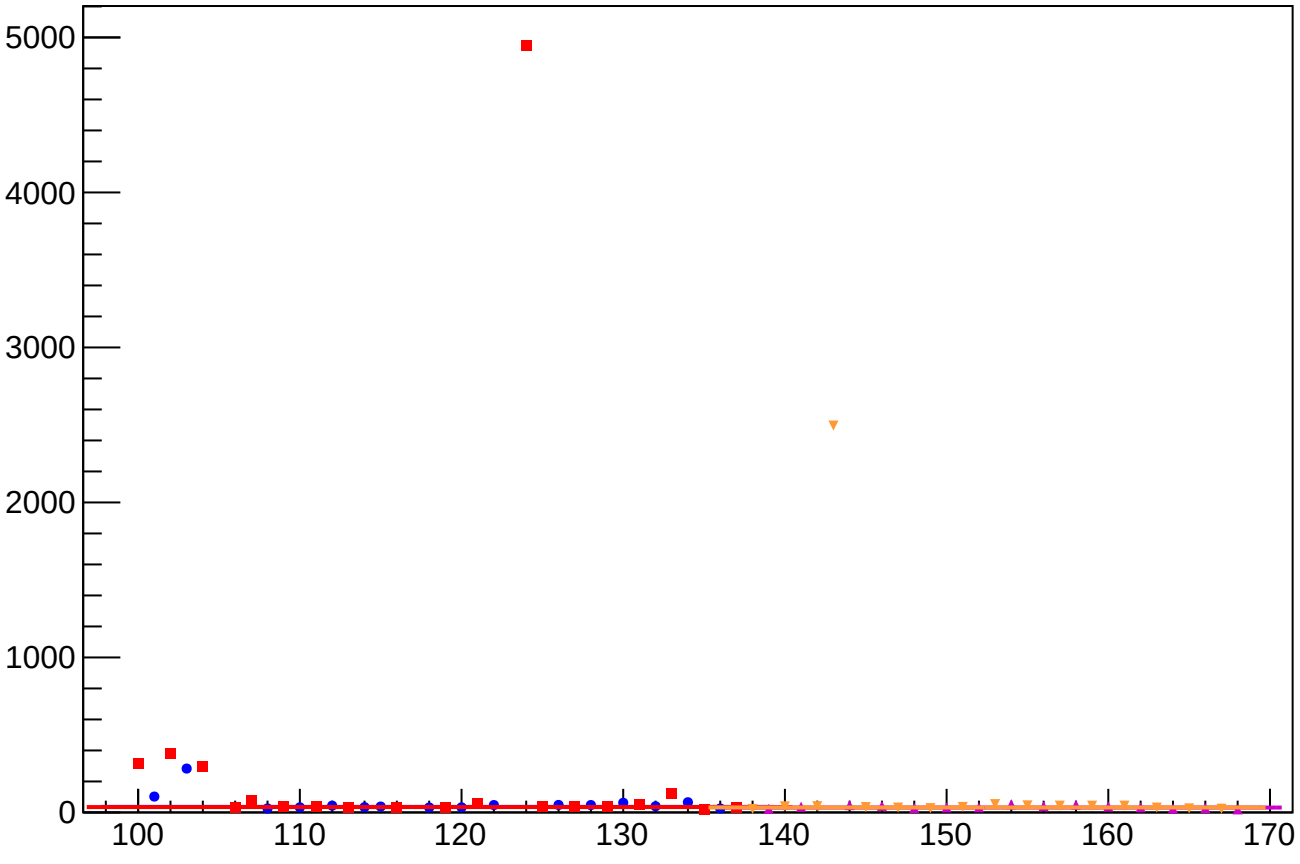
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.008+/-0.010 χ^2/NDF:8.8/14

+ sign -0.018+/-0.009 χ^2/NDF: 39.4/31

All: -0.010+/-0.006 χ^2/NDF: 67.5/65

- sign -0.002+/-0.008 χ^2/NDF: 26.2/33



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891530.3/15

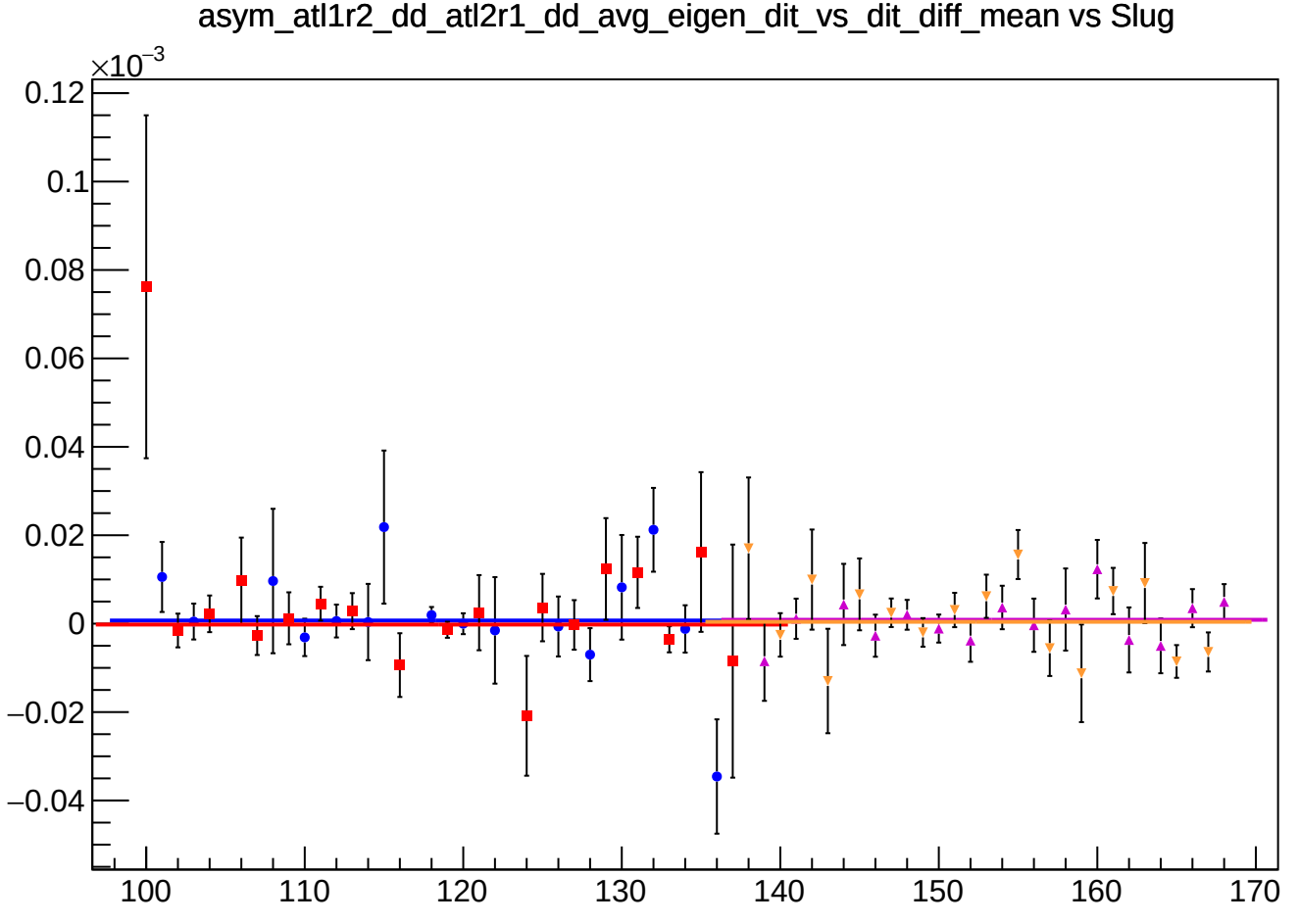
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.641+/-0.007 χ^2/NDF:1614263.4/14

\+ sign 33.319+/-0.006 χ^2/NDF: 5227422.7/31

All: 32.935+/-0.004 χ^2/NDF: 9821517.7/65

\- sign 32.563+/-0.006 χ^2/NDF: 4586188.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/15

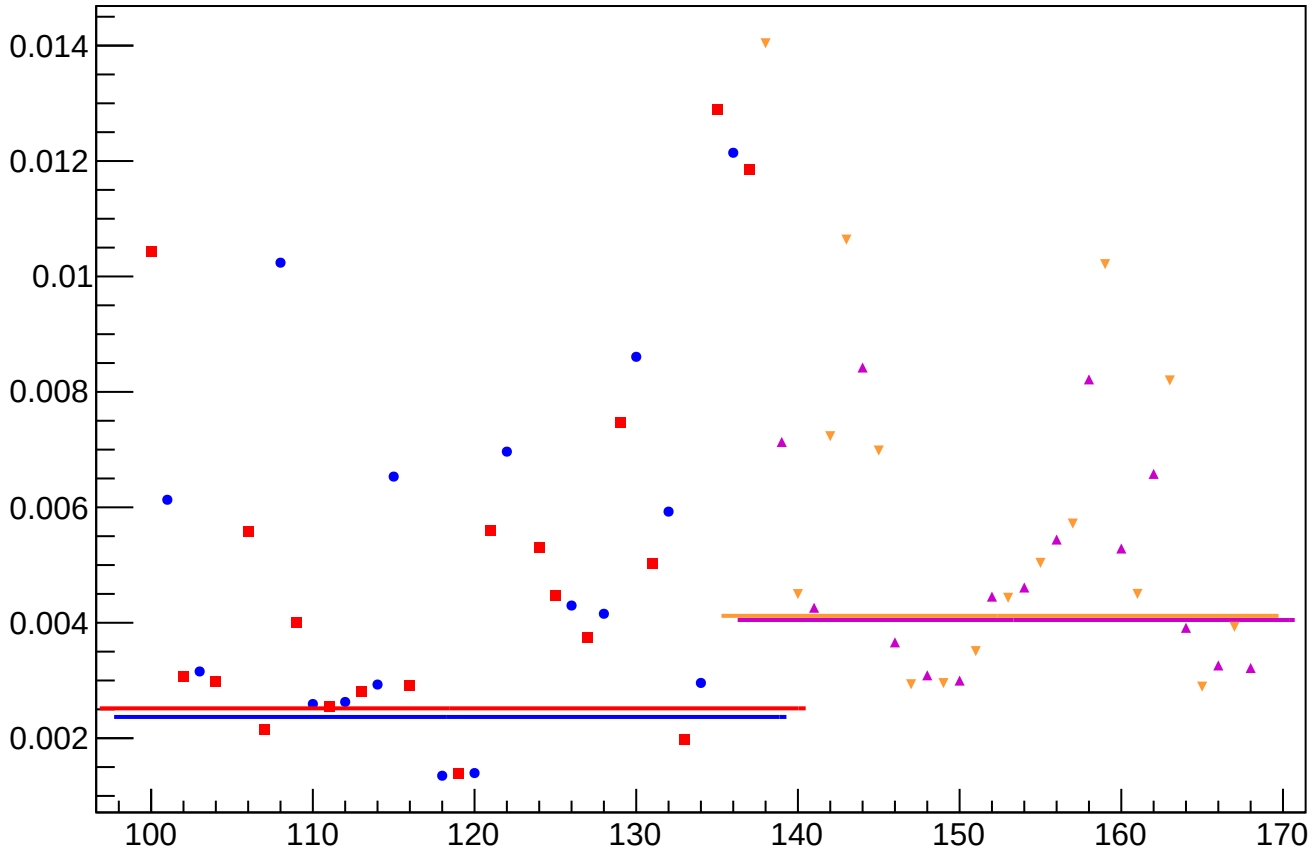
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/14

+ sign 0.000+/-0.000 χ^2/NDF: 46.4/31

All: 0.000+/-0.000 χ^2/NDF: 74.4/65

- sign 0.000+/-0.000 χ^2/NDF: 27.9/33



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3804204.0/15

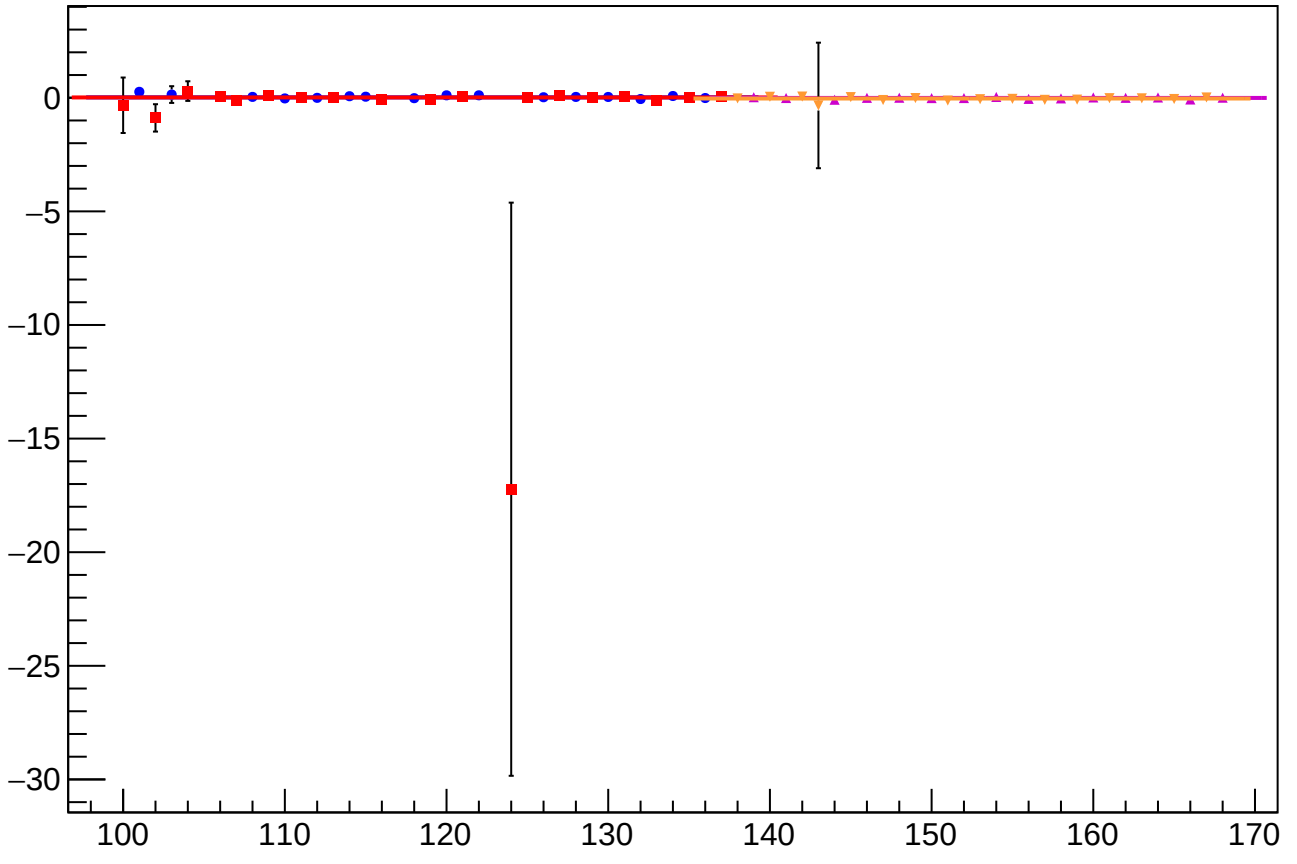
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2099825.3/14

+ sign 0.003+/-0.000 χ^2/NDF: 10677382.4/31

All: 0.003+/-0.000 χ^2/NDF: 17868639.3/65

- sign 0.003+/-0.000 χ^2/NDF: 7190412.2/33



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

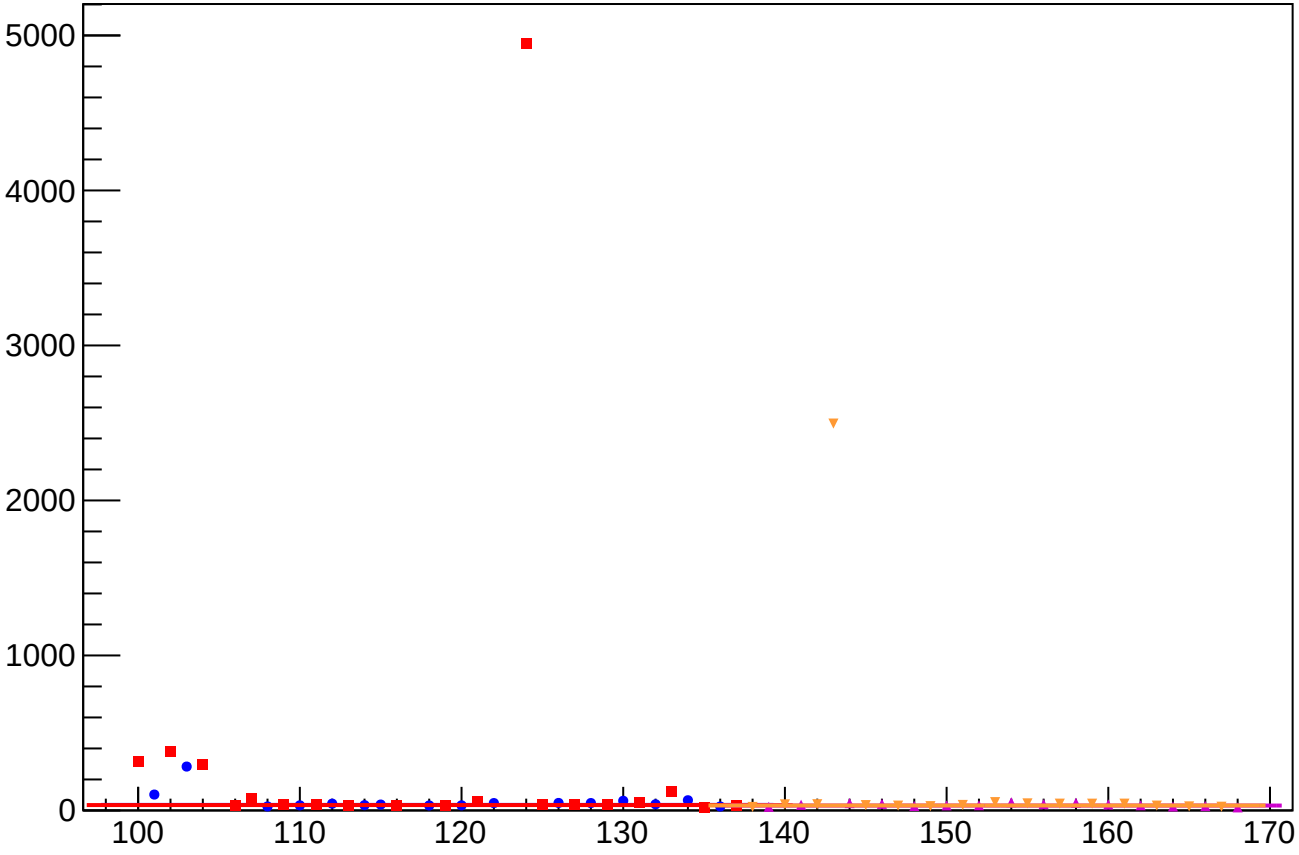
Left In: -0.008+/-0.010 χ^2/NDF:8.8/14

+ sign -0.018+/-0.009 χ^2/NDF: 39.4/31

All: -0.010+/-0.006 χ^2/NDF: 67.5/65

- sign -0.002+/-0.008 χ^2/NDF: 26.2/33

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891675.5/15

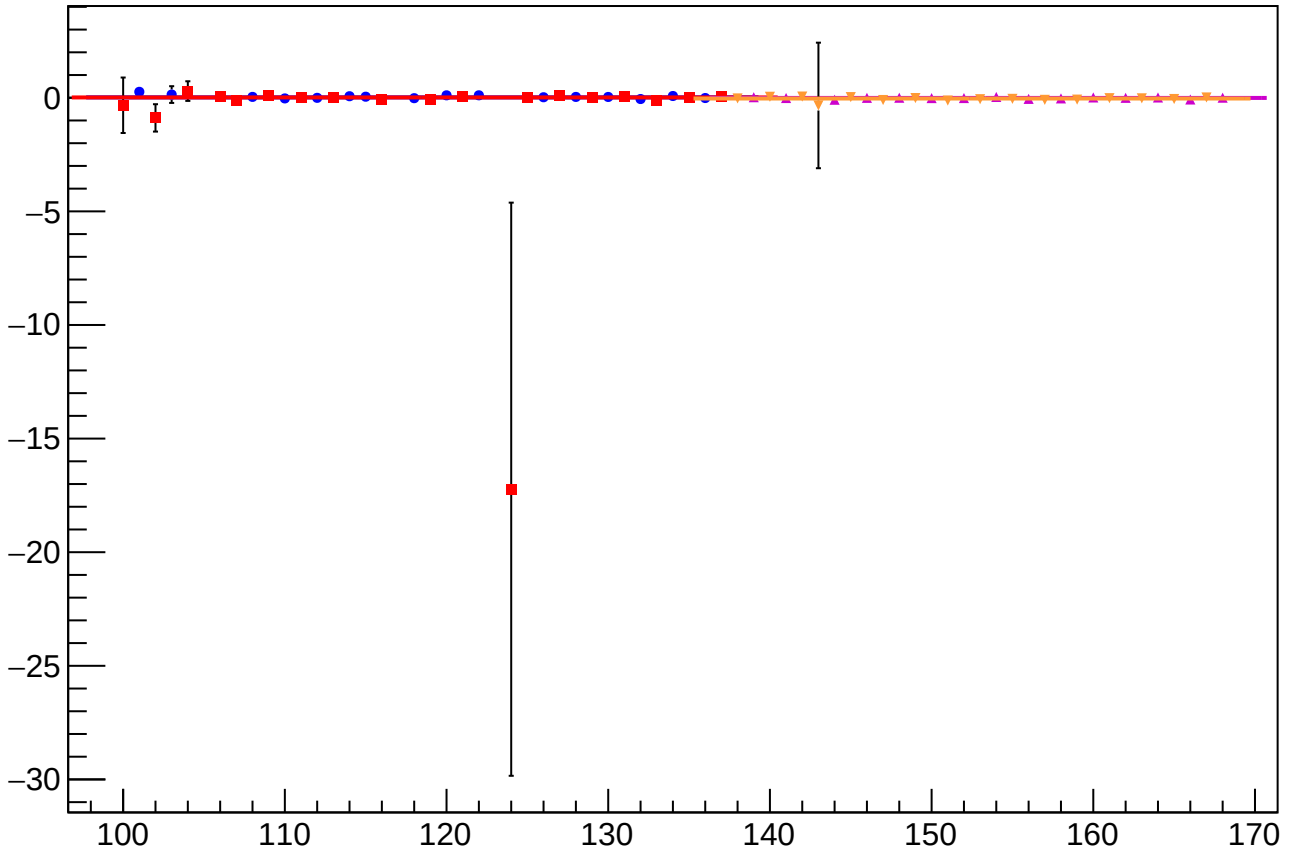
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.640+/-0.007 χ^2/NDF:1614844.4/14

+ sign 33.320+/-0.006 χ^2/NDF: 5227344.2/31

All: 32.935+/-0.004 χ^2/NDF: 9821956.4/65

- sign 32.562+/-0.006 χ^2/NDF: 4586678.5/33



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.010 χ^2/NDF:20.6/15

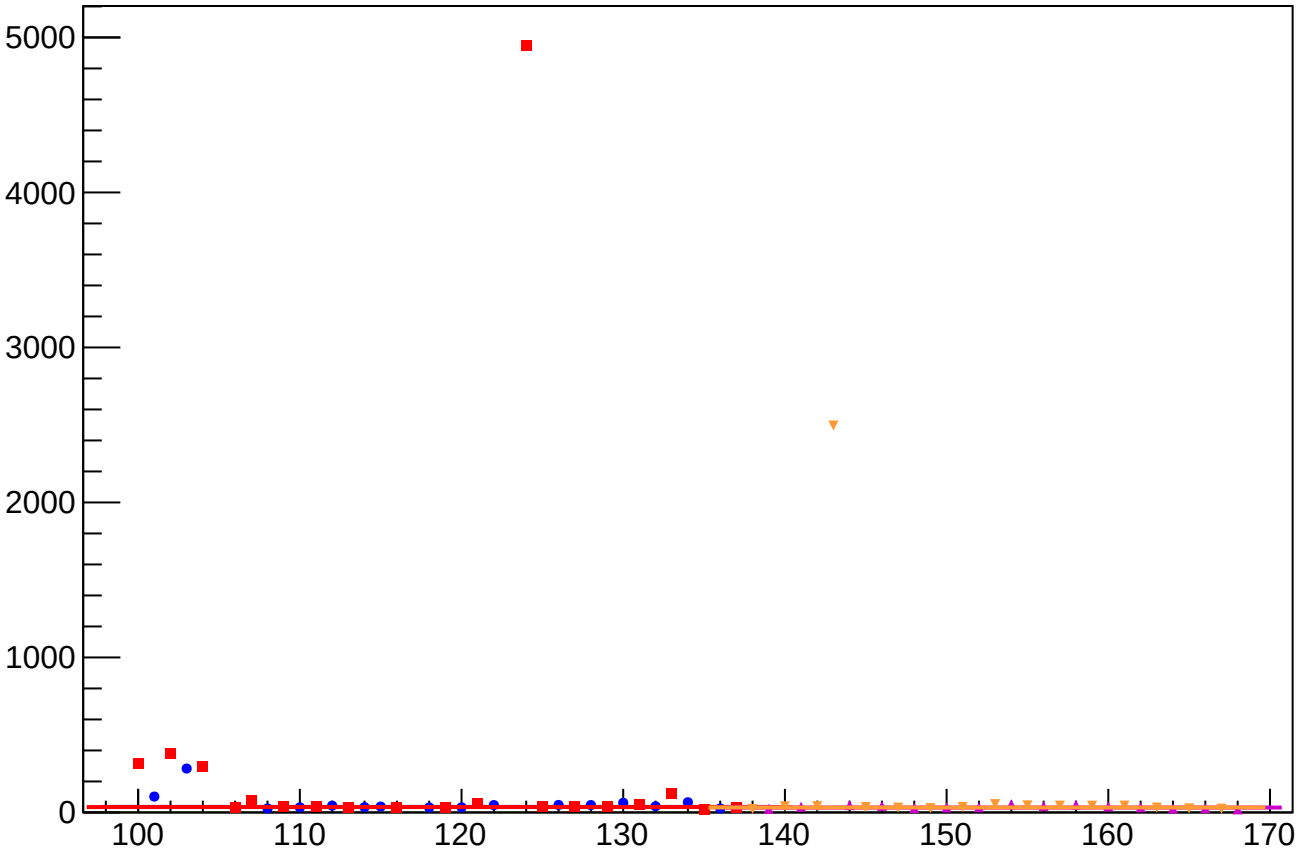
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.008+/-0.010 χ^2/NDF:8.8/14

+ sign -0.018+/-0.009 χ^2/NDF: 39.4/31

All: -0.010+/-0.006 χ^2/NDF: 67.5/65

- sign -0.002+/-0.008 χ^2/NDF: 26.2/33



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891675.5/15

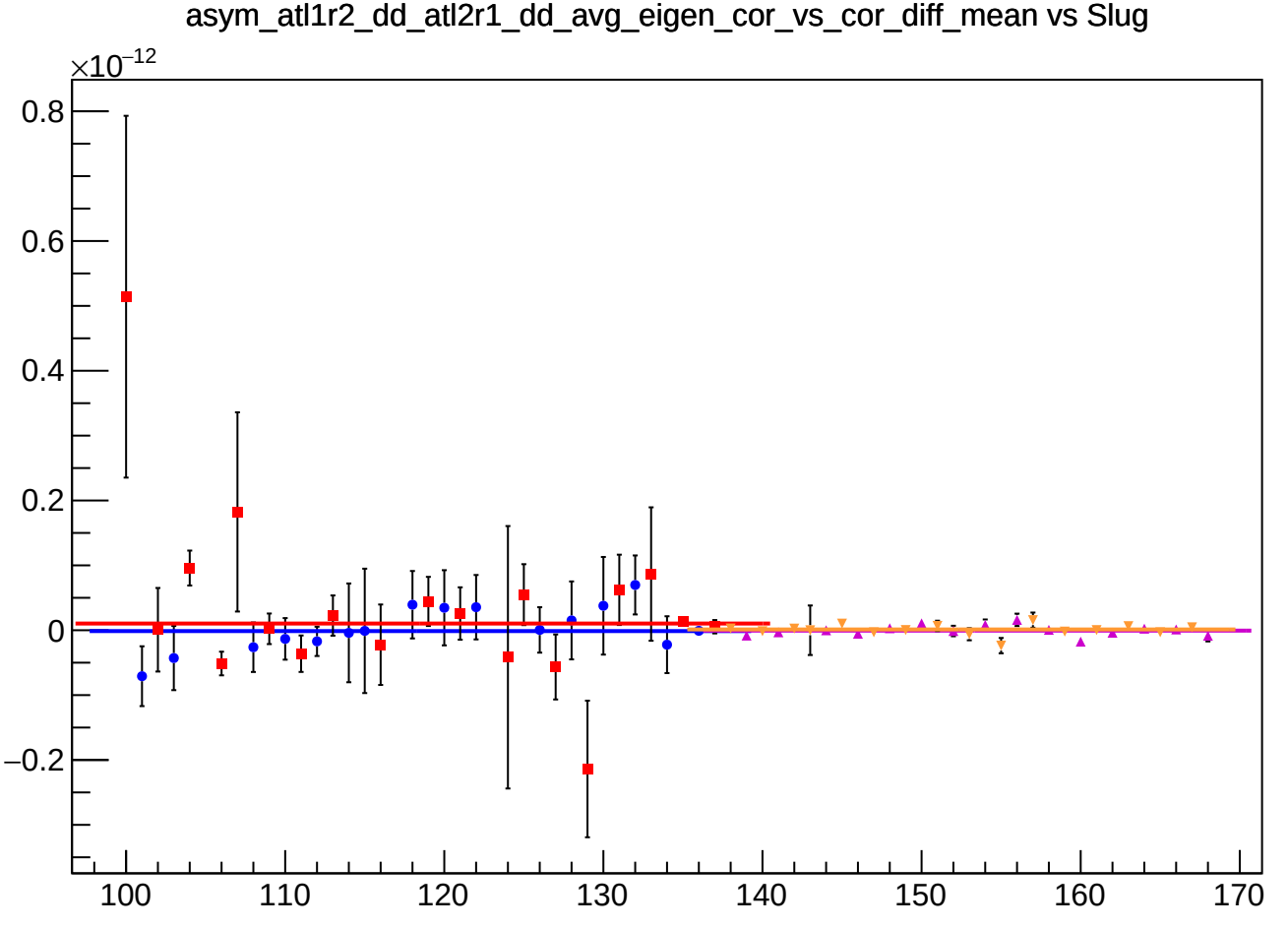
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.640+/-0.007 χ^2/NDF:1614844.4/14

\+ sign 33.320+/-0.006 χ^2/NDF: 5227344.2/31

All: 32.935+/-0.004 χ^2/NDF: 9821956.4/65

\- sign 32.562+/-0.006 χ^2/NDF: 4586678.5/33



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/15

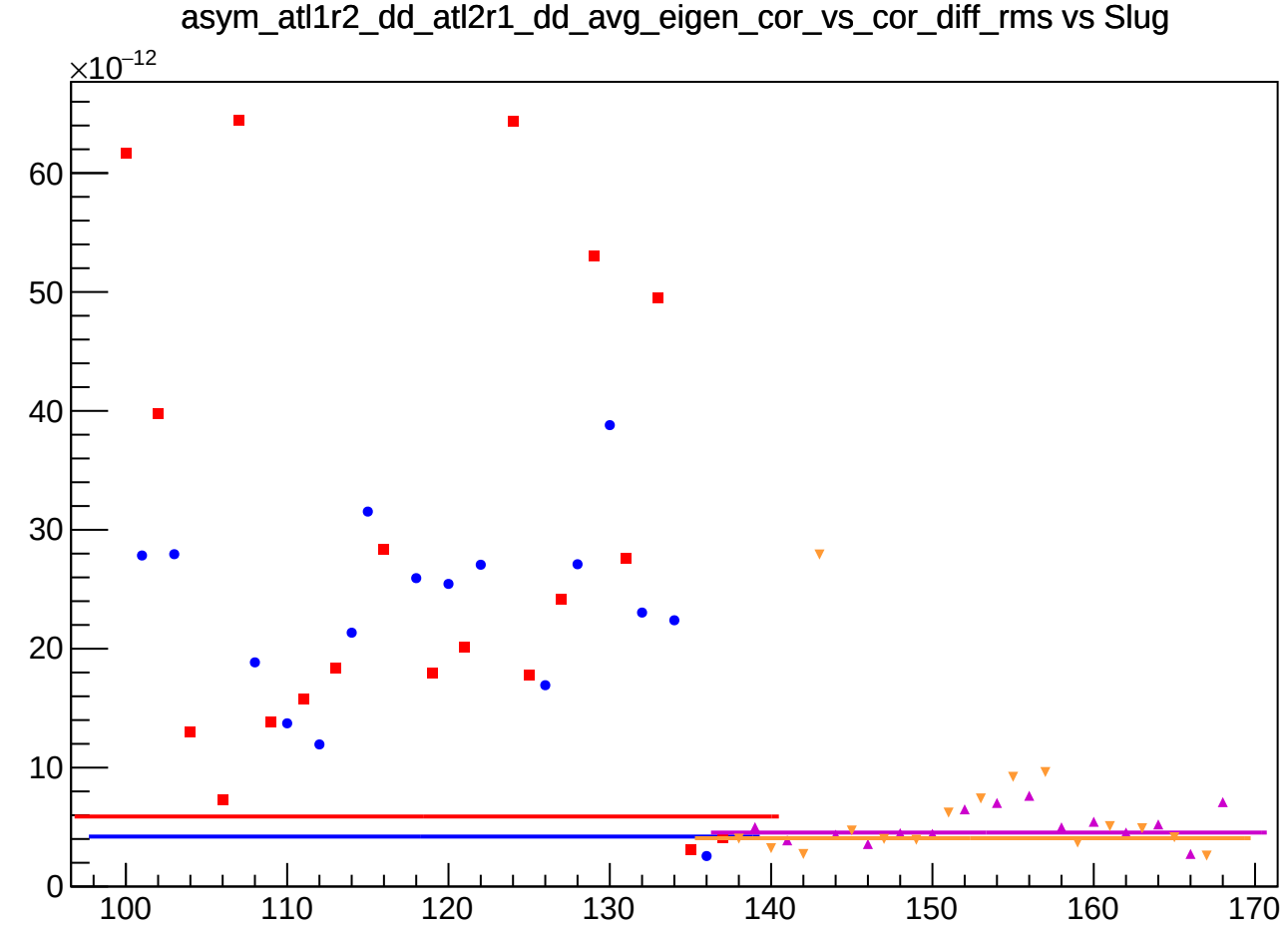
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 21.8/31

All: 0.000+/-0.000 χ^2/NDF: 85.9/65

- sign 0.000+/-0.000 χ^2/NDF: 64.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2657632.3/15

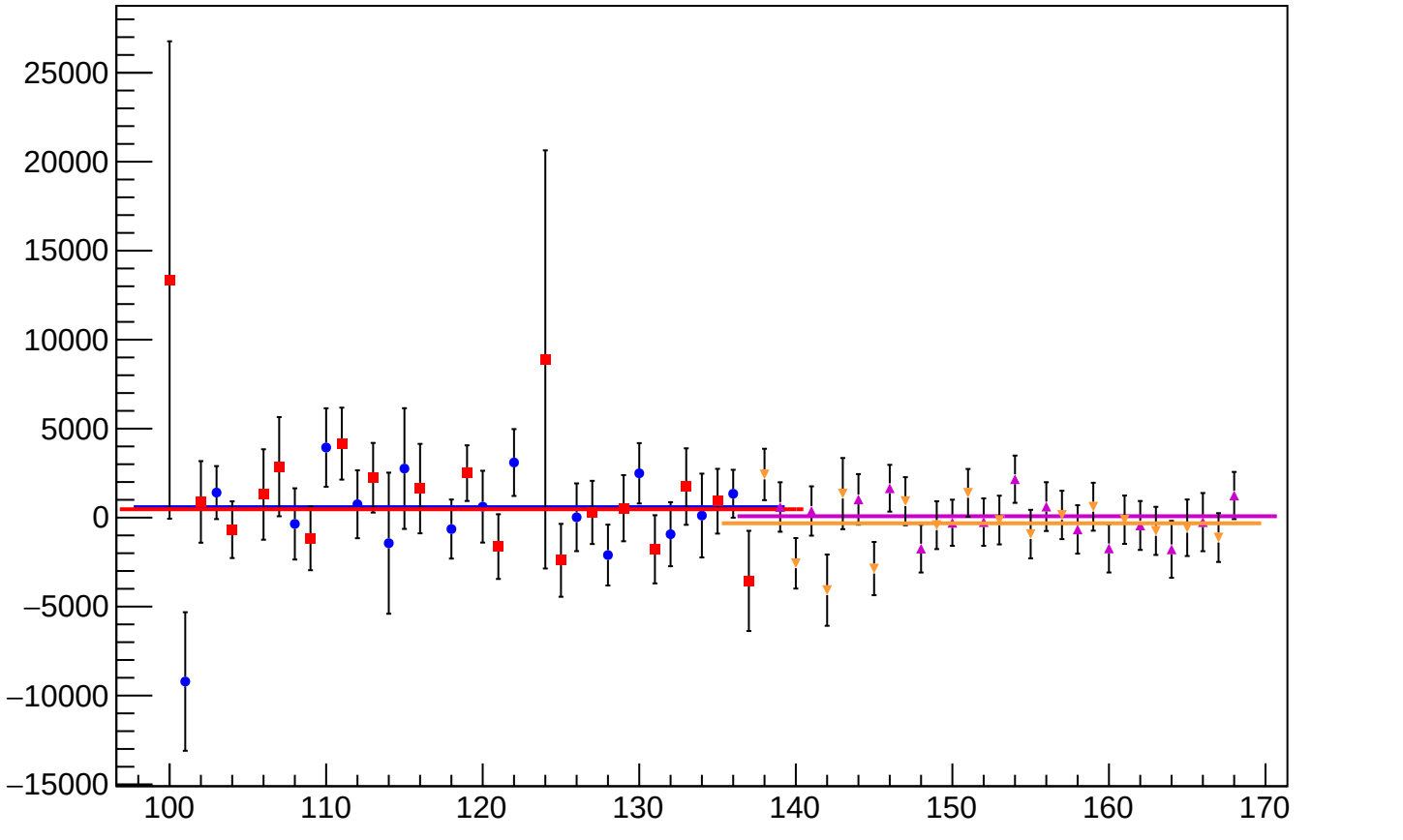
Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1235675.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 7740616.1/31

All: 0.000+/-0.000 χ^2/NDF: 14211647.3/65

- sign 0.000+/-0.000 χ^2/NDF: 6279515.6/33



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -319.454+/-358.993 χ^2/NDF:17.0/15

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

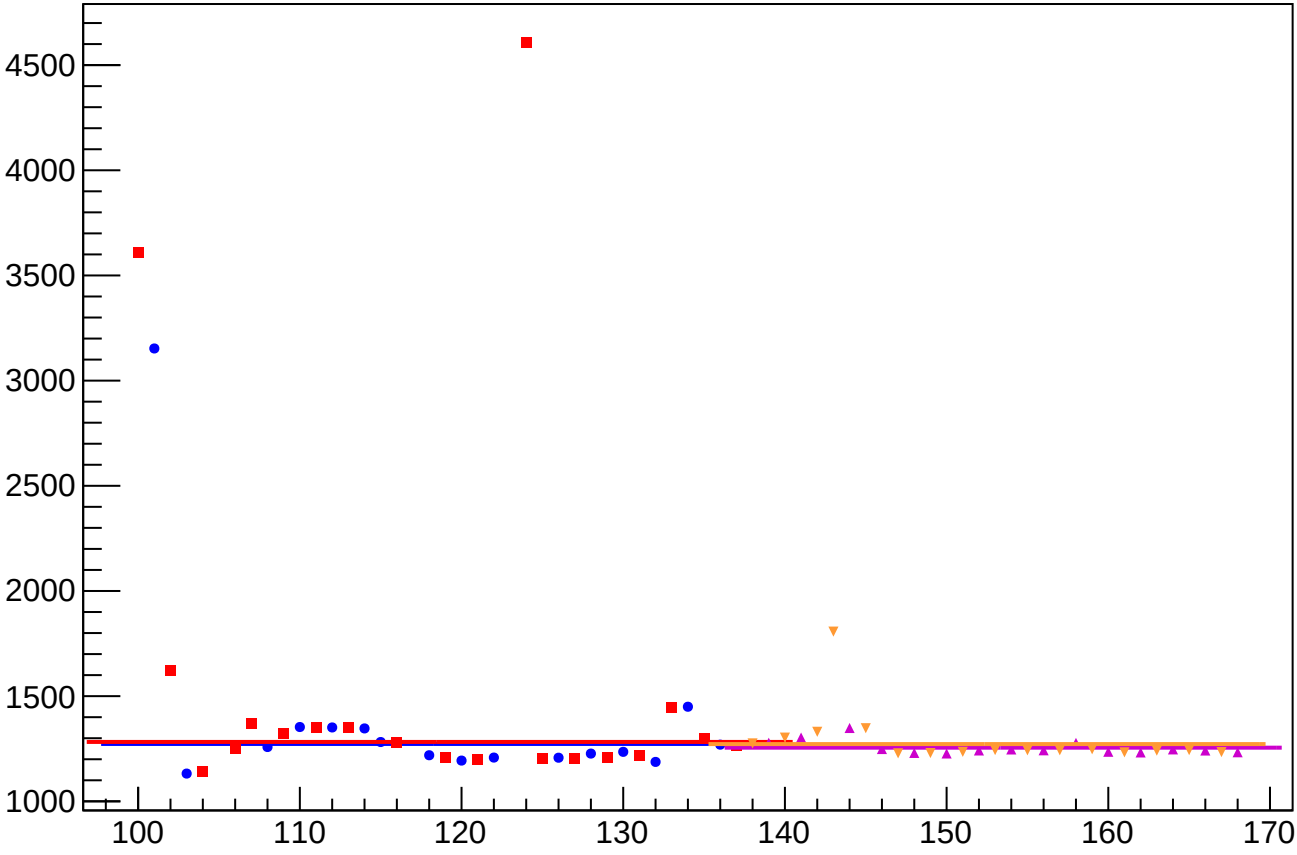
Left In: 78.029+/-356.346 χ^2/NDF:11.0/14

\+ sign 3.571+/-288.004 χ^2/NDF: 36.4/31

All: 110.824+/-203.019 χ^2/NDF: 65.0/65

\- sign 216.758+/-286.228 χ^2/NDF: 28.3/33

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1272.115+/-0.254 χ^2/NDF:164683.8/15

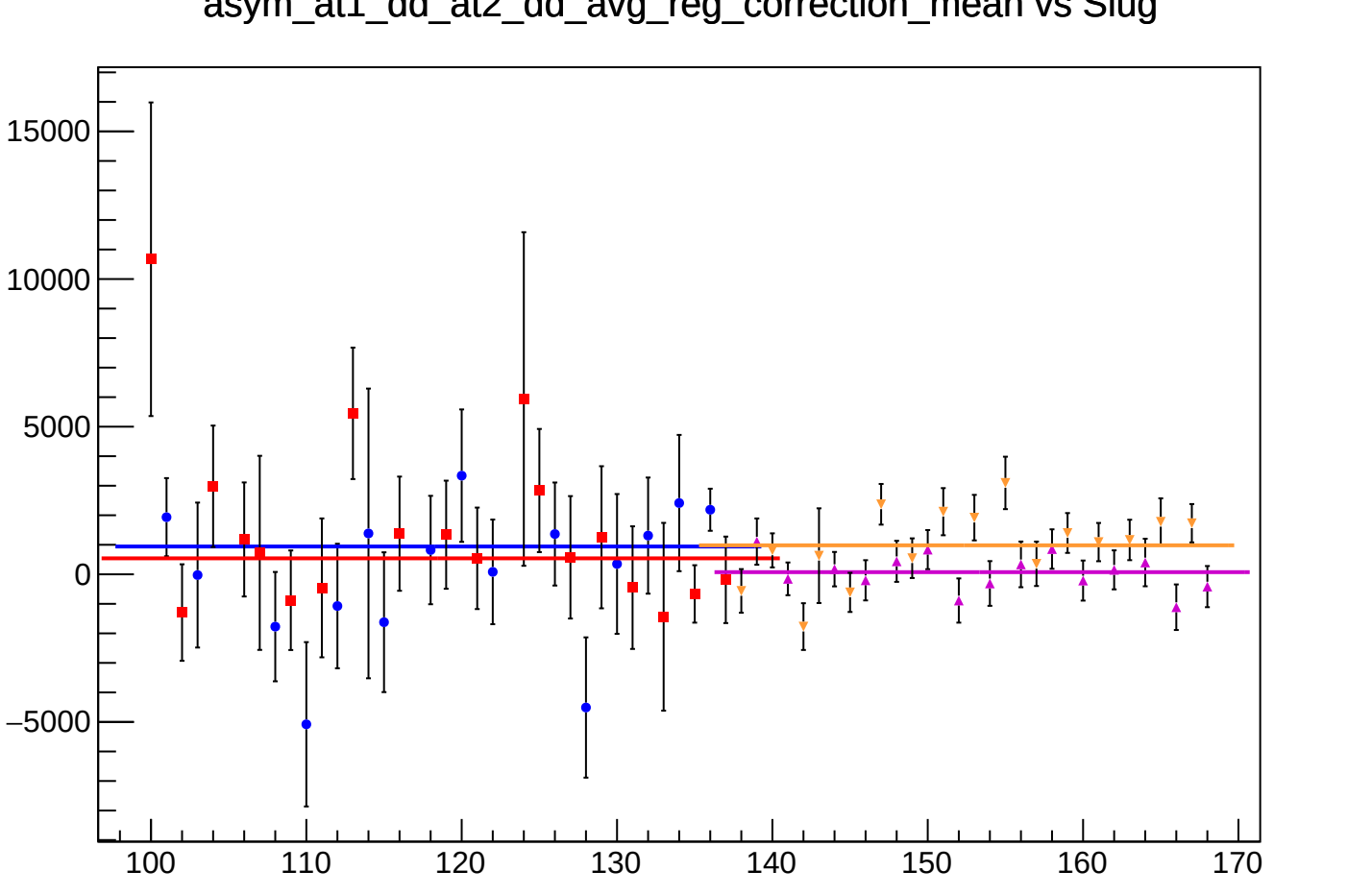
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1255.069+/-0.252 χ^2/NDF:15976.9/14

+ sign 1272.361+/-0.204 χ^2/NDF: 683984.6/31

All: 1268.534+/-0.144 χ^2/NDF: 1026905.6/65

- sign 1264.755+/-0.202 χ^2/NDF: 342219.2/33



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 981.981+/-181.441 χ^2/NDF:39.5/15

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

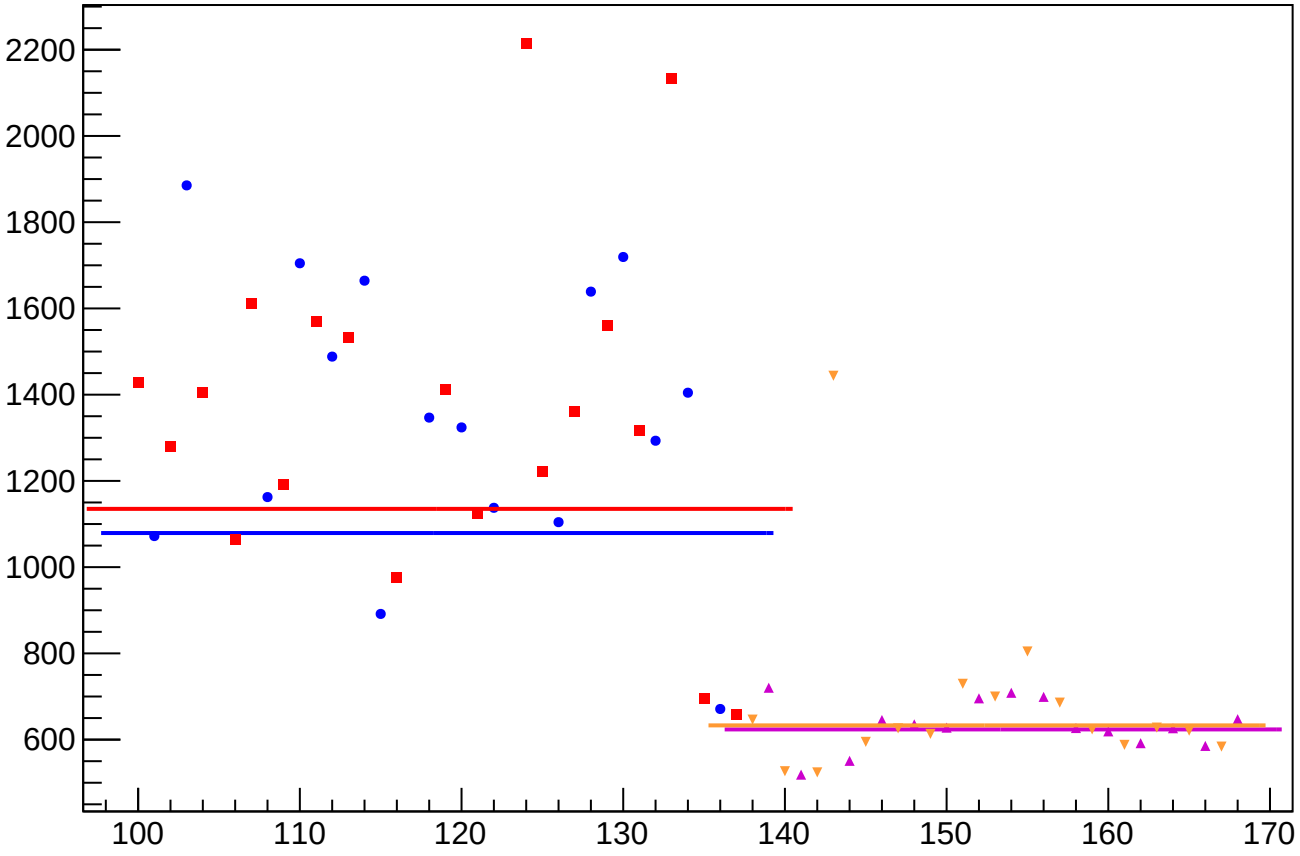
Left In: 73.375+/-178.152 χ^2/NDF:10.3/14

+ sign 975.801+/-166.921 χ^2/NDF: 59.5/31

All: 552.980+/-117.391 χ^2/NDF: 100.6/65

- sign 139.209+/-165.125 χ^2/NDF: 28.4/33

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 633.035+/-0.128 χ^2/NDF:777339.8/15

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

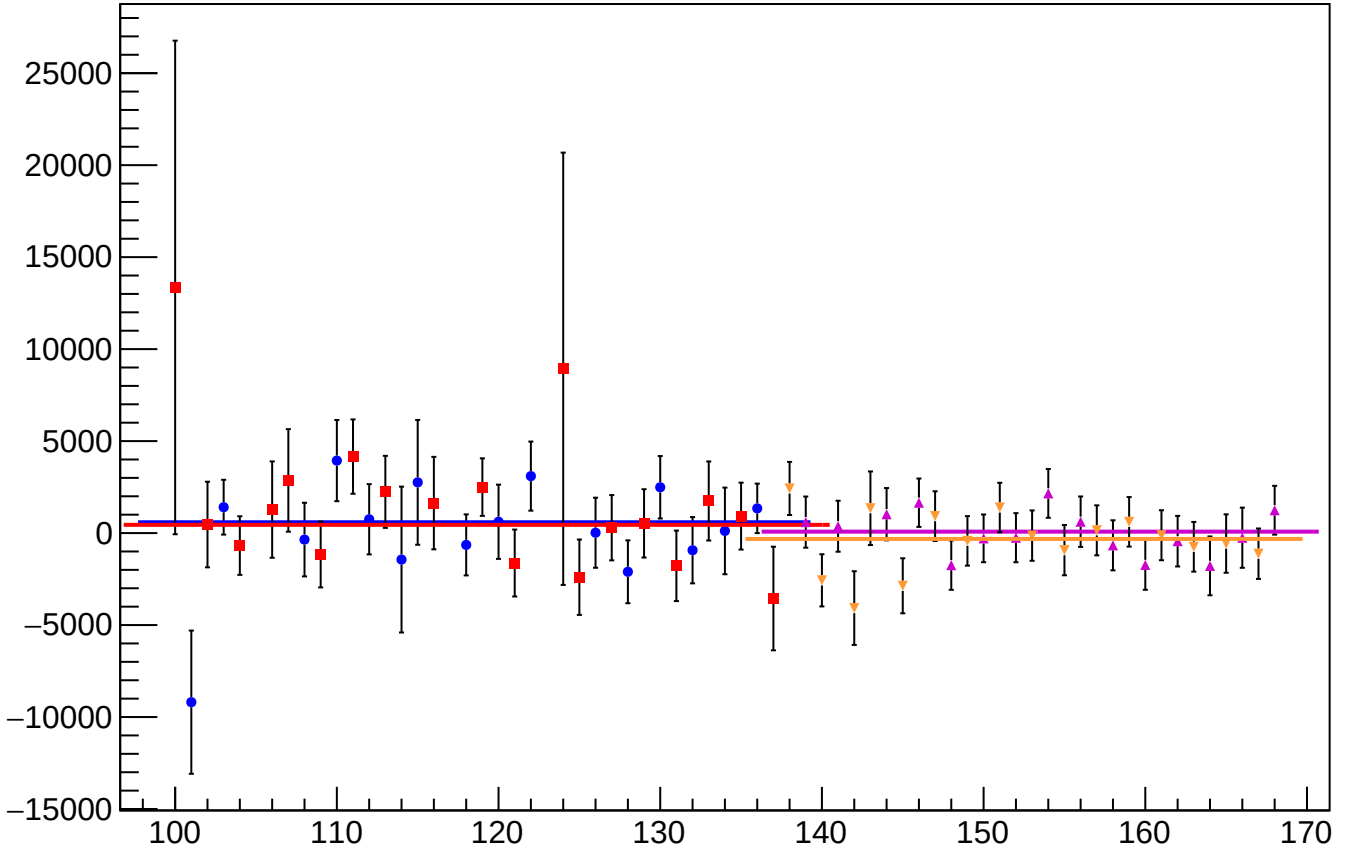
Left In: 623.649+/-0.126 χ^2/NDF:210798.9/14

+ sign 701.576+/-0.118 χ^2/NDF: 4117071.0/31

All: 698.616+/-0.083 χ^2/NDF: 7945300.6/65

- sign 695.720+/-0.117 χ^2/NDF: 3826985.6/33

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -319.546+/-358.993 χ^2/NDF:17.0/15

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

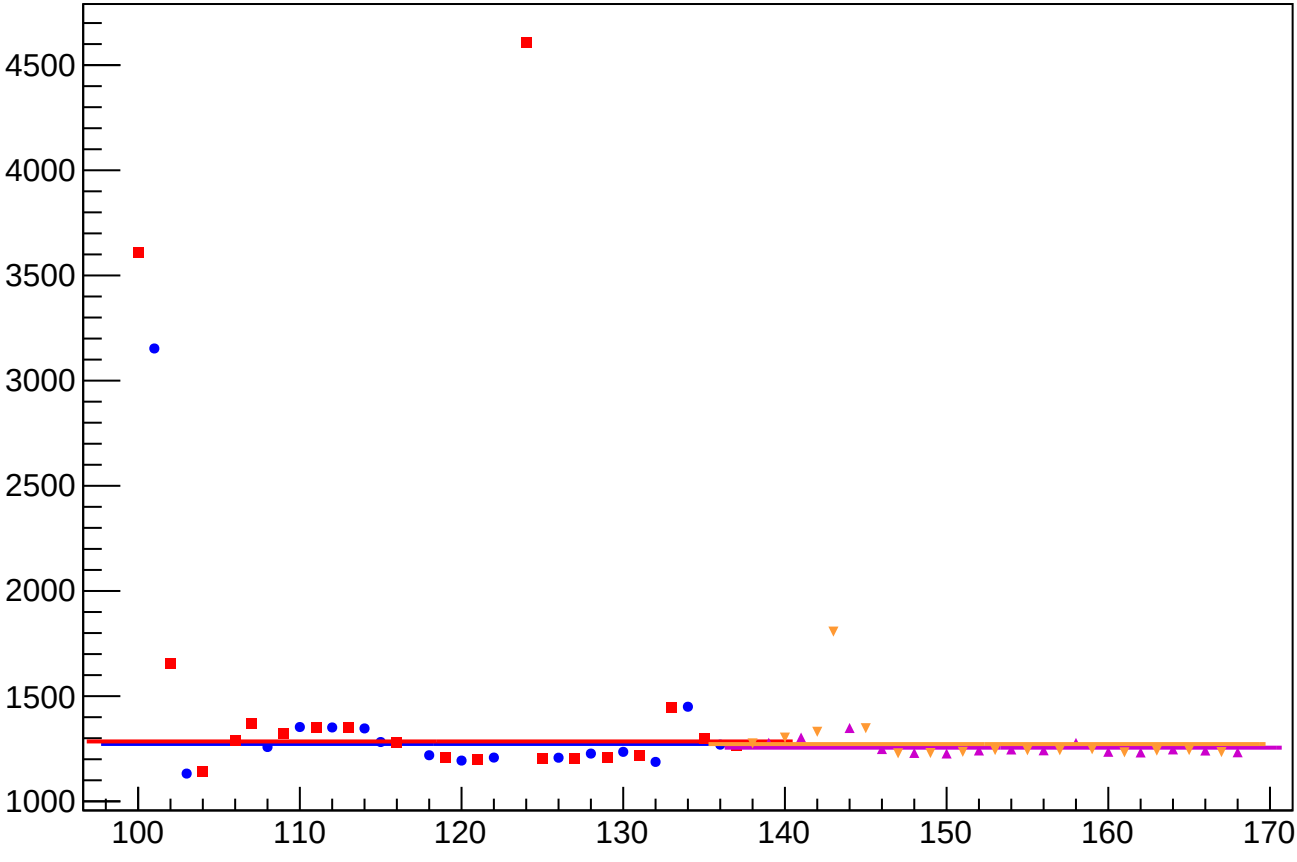
Left In: 78.060+/-356.346 χ^2/NDF:11.0/14

+ sign 3.626+/-288.004 χ^2/NDF: 36.3/31

All: 106.977+/-203.080 χ^2/NDF: 64.8/65

- sign 209.181+/-286.400 χ^2/NDF: 28.2/33

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1272.115+/-0.254 χ^2/NDF:164683.8/15

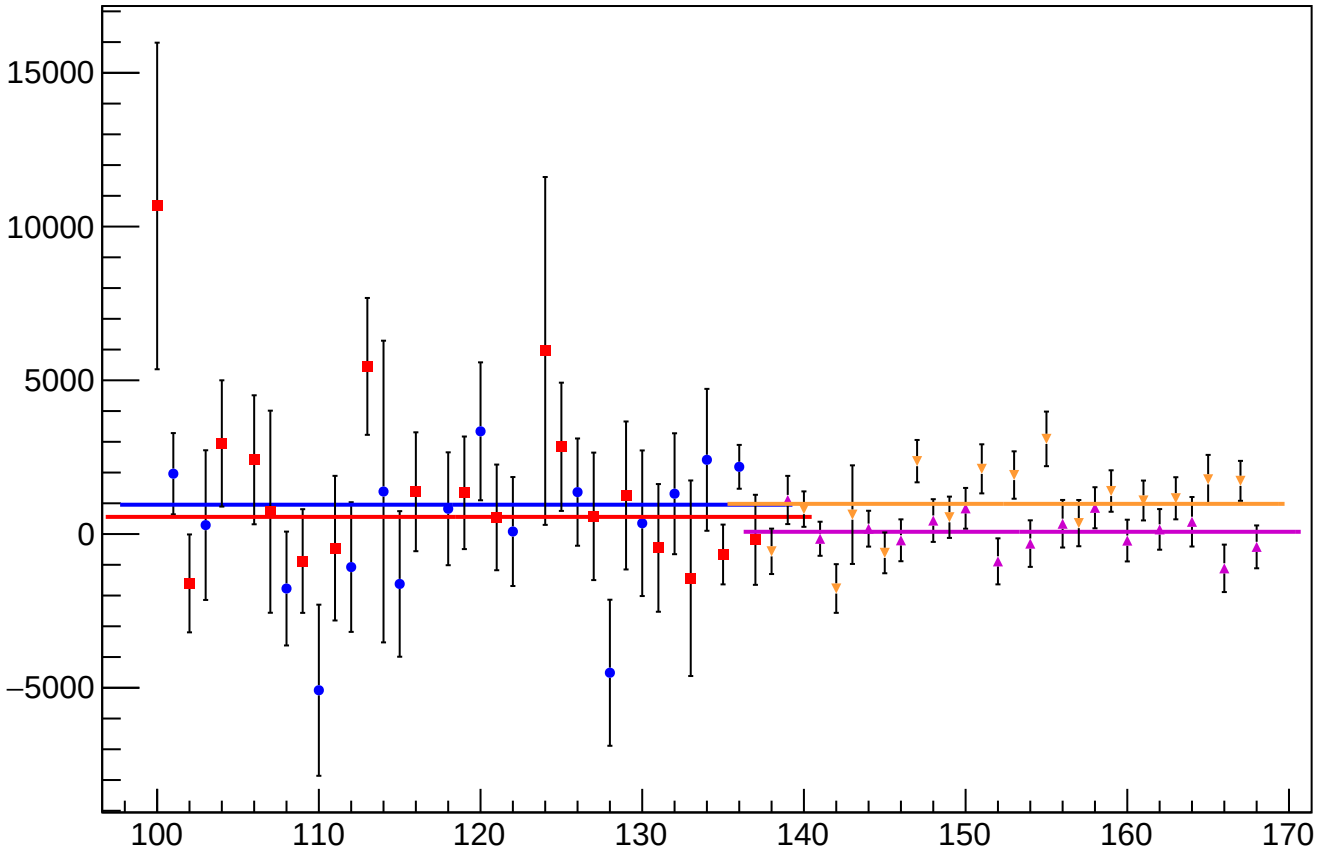
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1255.069+/-0.252 χ^2/NDF:15976.9/14

+ sign 1272.361+/-0.204 χ^2/NDF: 683986.0/31

All: 1268.933+/-0.144 χ^2/NDF: 1034141.9/65

- sign 1265.544+/-0.203 χ^2/NDF: 349592.5/33



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 981.974+/-181.442 χ^2/NDF:39.5/15

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

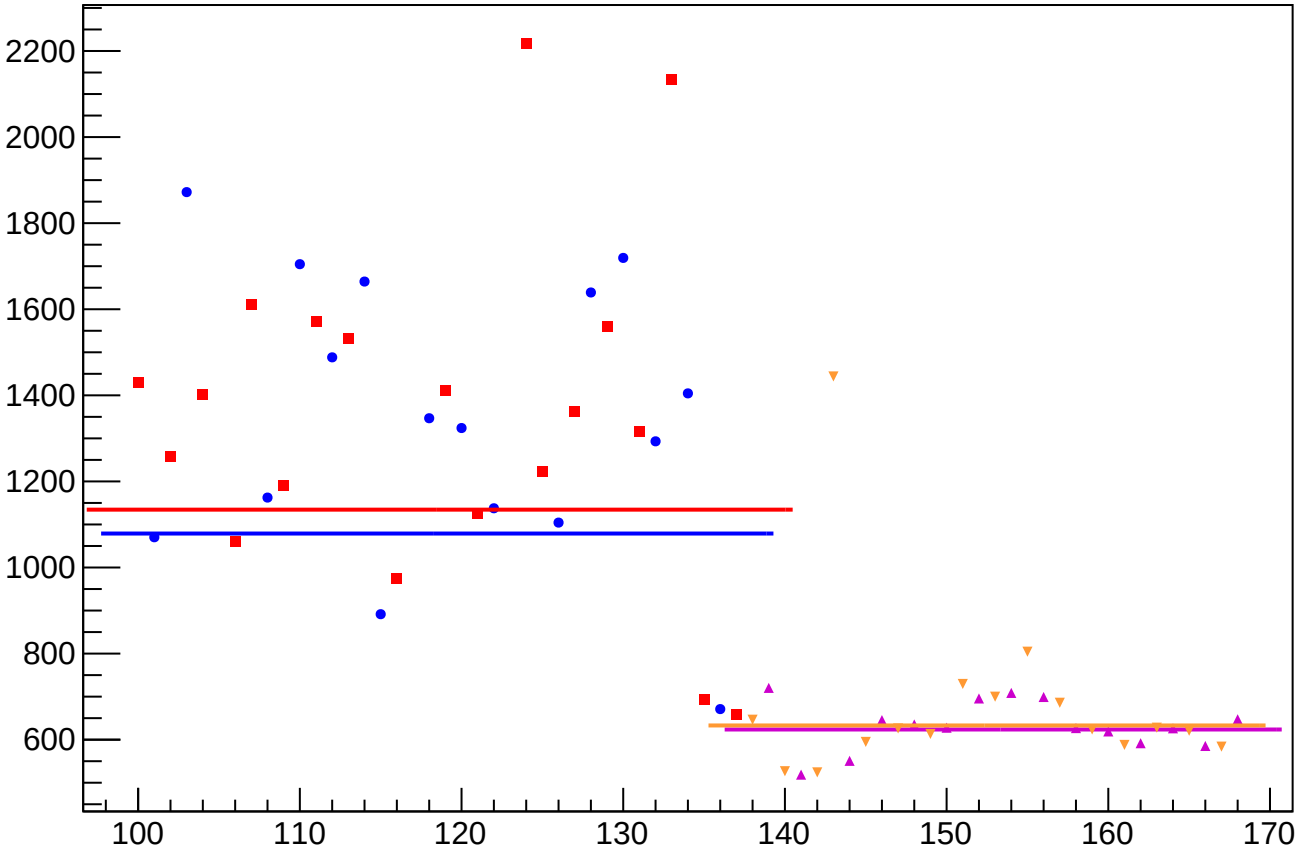
Left In: 73.333+/-178.151 χ^2/NDF:10.3/14

+ sign 977.695+/-166.911 χ^2/NDF: 59.4/31

All: 555.153+/-117.403 χ^2/NDF: 101.8/65

- sign 141.385+/-165.169 χ^2/NDF: 29.7/33

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 633.041+/-0.128 χ^2/NDF:777246.0/15

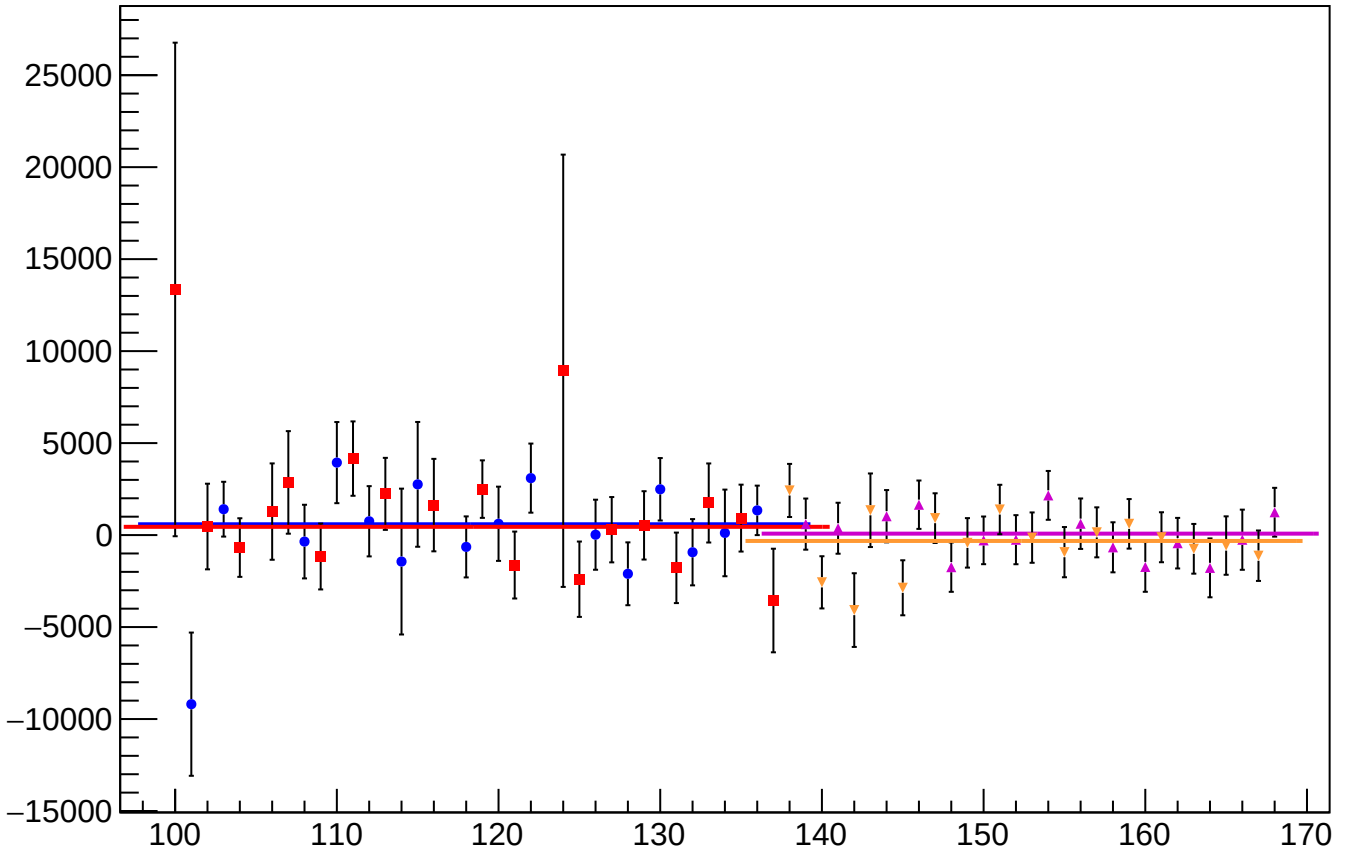
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 623.645+/-0.126 χ^2/NDF:210826.9/14

+ sign 701.601+/-0.118 χ^2/NDF: 4113148.6/31

All: 698.455+/-0.083 χ^2/NDF: 7923064.9/65

- sign 695.374+/-0.117 χ^2/NDF: 3808510.0/33



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -319.546+/-358.993 χ^2/NDF:17.0/15

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

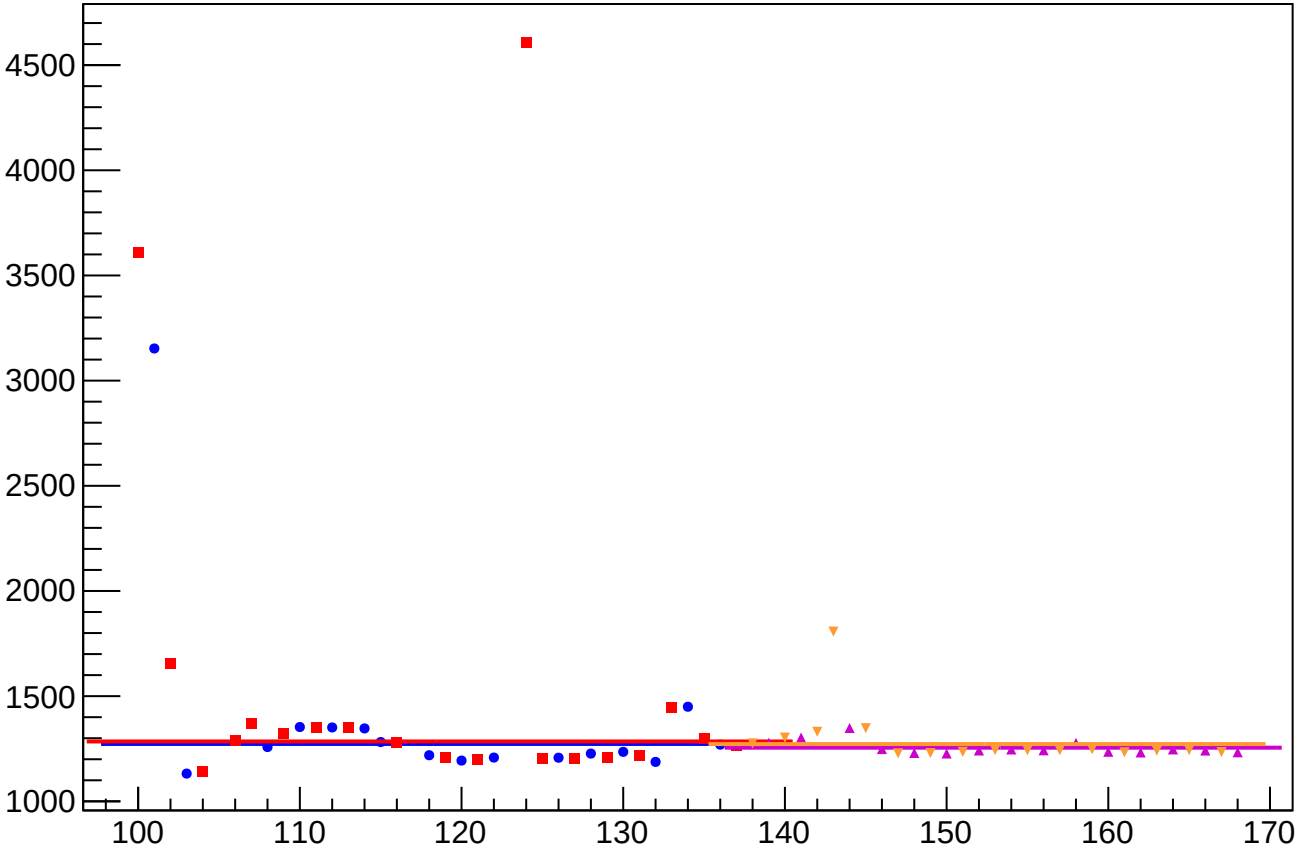
Left In: 78.060+/-356.346 χ^2/NDF:11.0/14

\+ sign 3.626+/-288.004 χ^2/NDF: 36.3/31

All: 106.977+/-203.080 χ^2/NDF: 64.8/65

\- sign 209.181+/-286.400 χ^2/NDF: 28.2/33

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: 1272.115+/-0.254 χ^2/NDF:164683.8/15

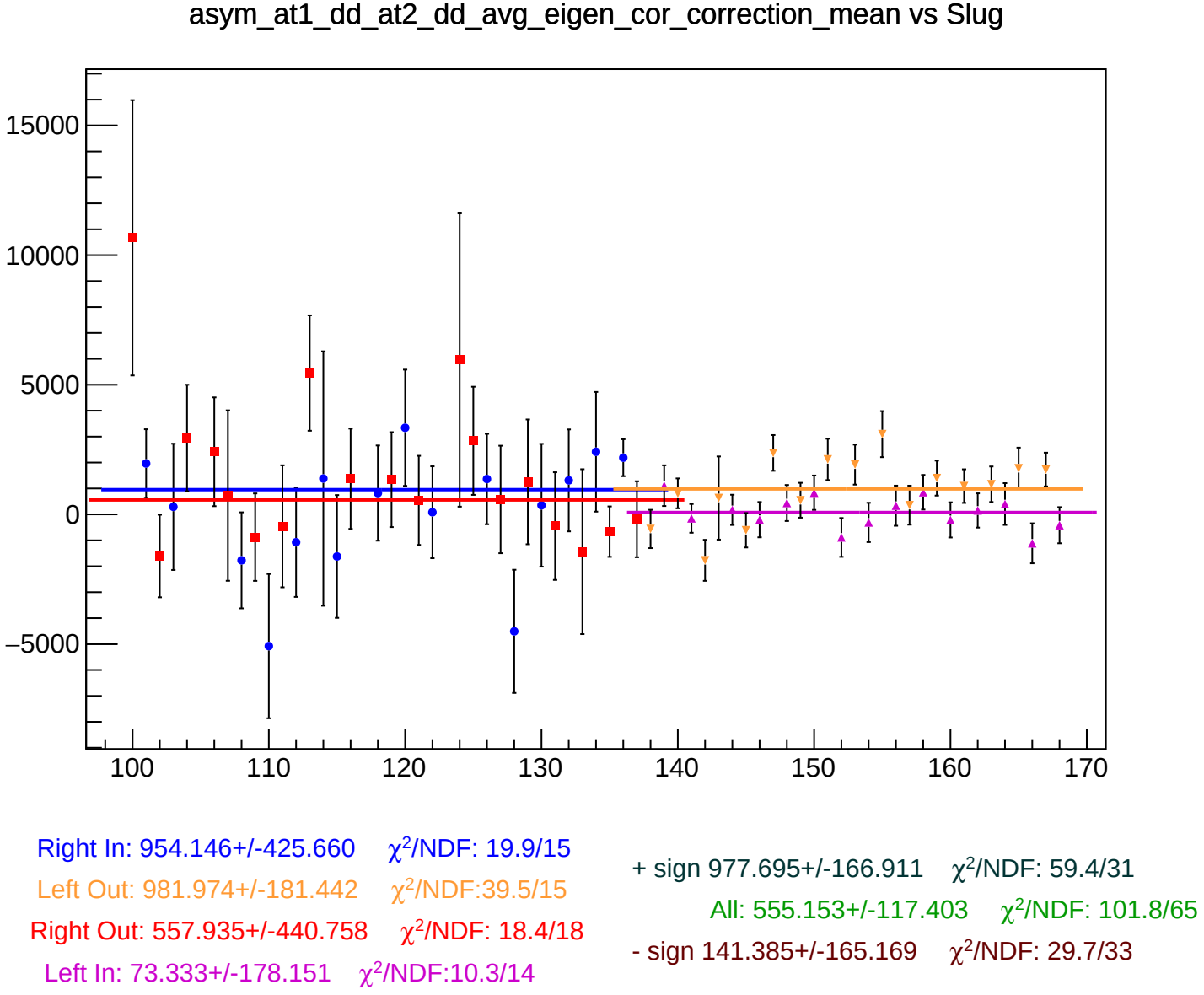
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

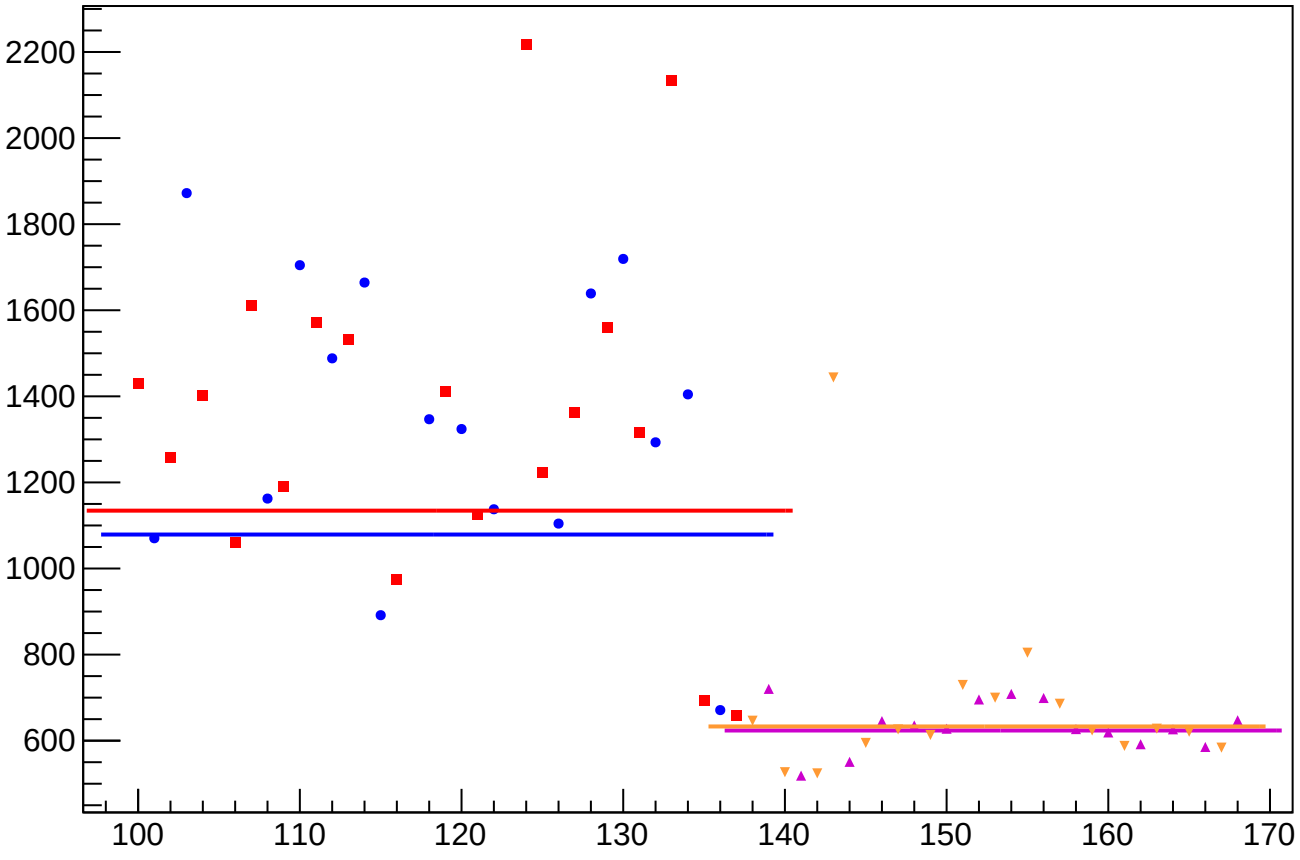
Left In: 1255.069+/-0.252 χ^2/NDF:15976.9/14

+ sign 1272.361+/-0.204 χ^2/NDF: 683986.0/31

All: 1268.933+/-0.144 χ^2/NDF: 1034141.9/65

- sign 1265.544+/-0.203 χ^2/NDF: 349592.5/33


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 981.974+/-181.442 χ²/NDF:39.5/15
Right Out: 557.935+/-440.758 χ²/NDF: 18.4/18
Left In: 73.333+/-178.151 χ²/NDF:10.3/14
+ sign 977.695+/-166.911 χ²/NDF: 59.4/31
All: 555.153+/-117.403 χ²/NDF: 101.8/65
- sign 141.385+/-165.169 χ²/NDF: 29.7/33



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 633.041+/-0.128 χ^2/NDF:777246.0/15

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

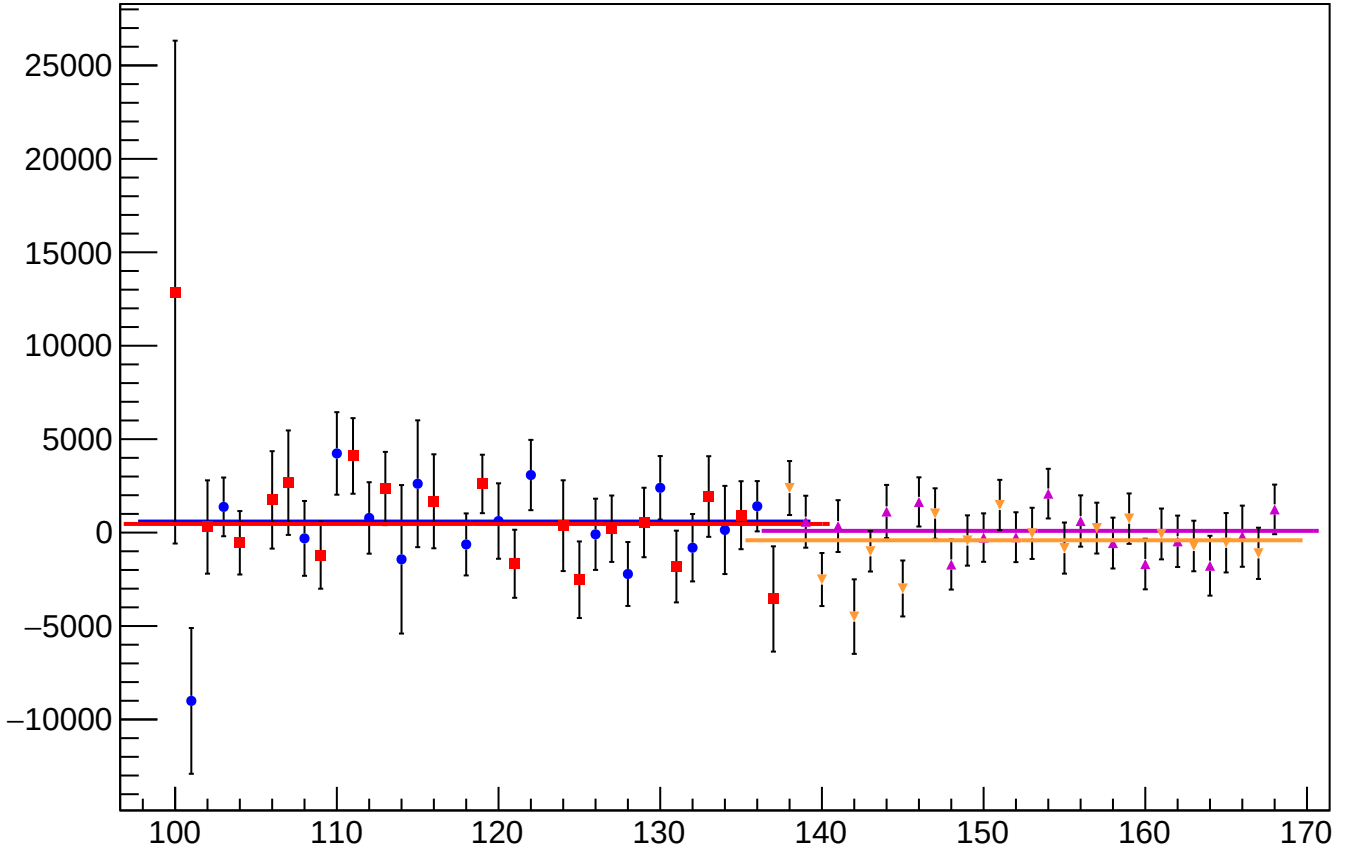
Left In: 623.645+/-0.126 χ^2/NDF:210826.9/14

\+ sign 701.601+/-0.118 χ^2/NDF: 4113148.6/31

All: 698.455+/-0.083 χ^2/NDF: 7923064.9/65

\- sign 695.374+/-0.117 χ^2/NDF: 3808510.0/33

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -411.517+/-346.050 χ^2/NDF:18.0/15

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

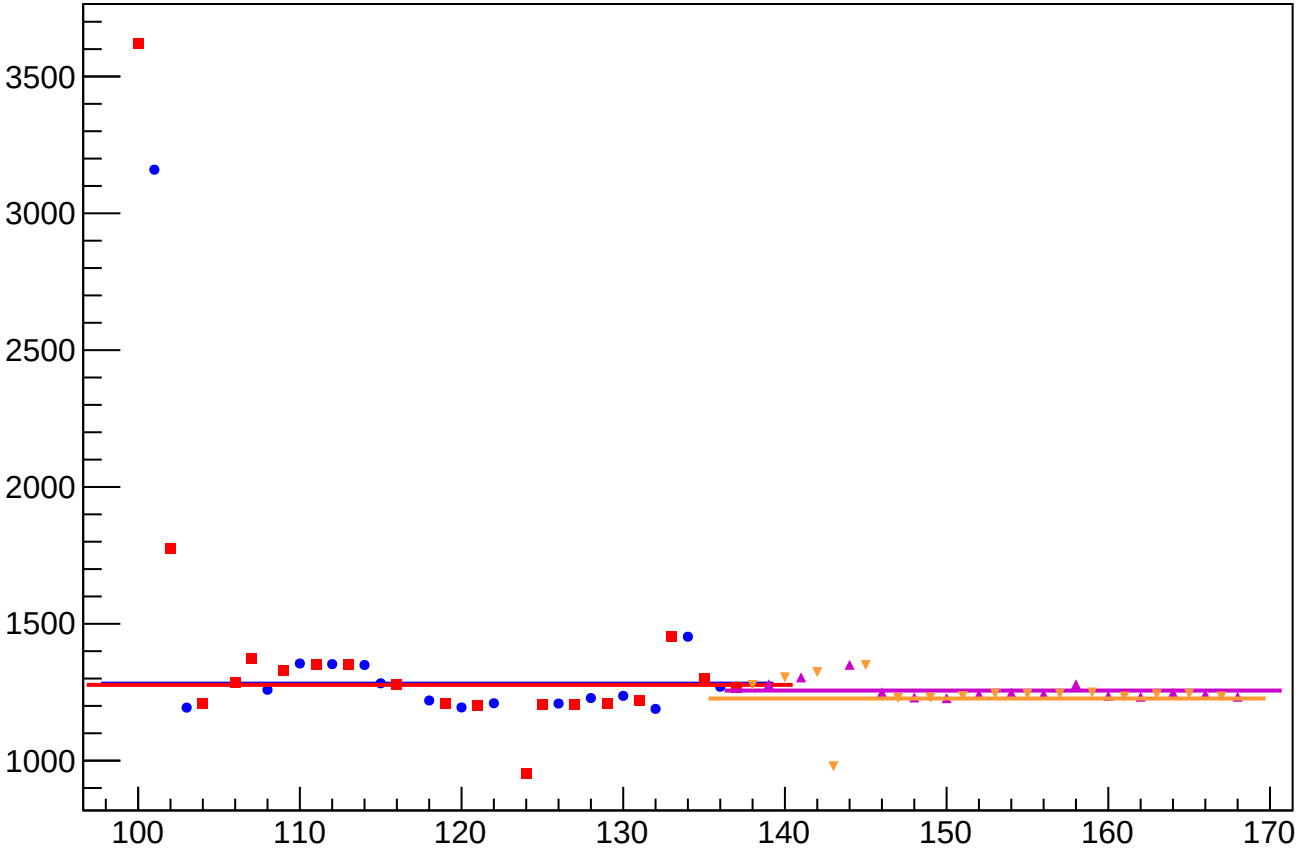
Left In: 92.917+/-356.647 χ^2/NDF:10.7/14

+ sign -73.993+/-281.791 χ^2/NDF: 37.9/31

All: 73.774+/-200.586 χ^2/NDF: 66.2/65

- sign 225.552+/-285.590 χ^2/NDF: 27.7/33

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.988+/-0.245 χ^2/NDF:132788.9/15

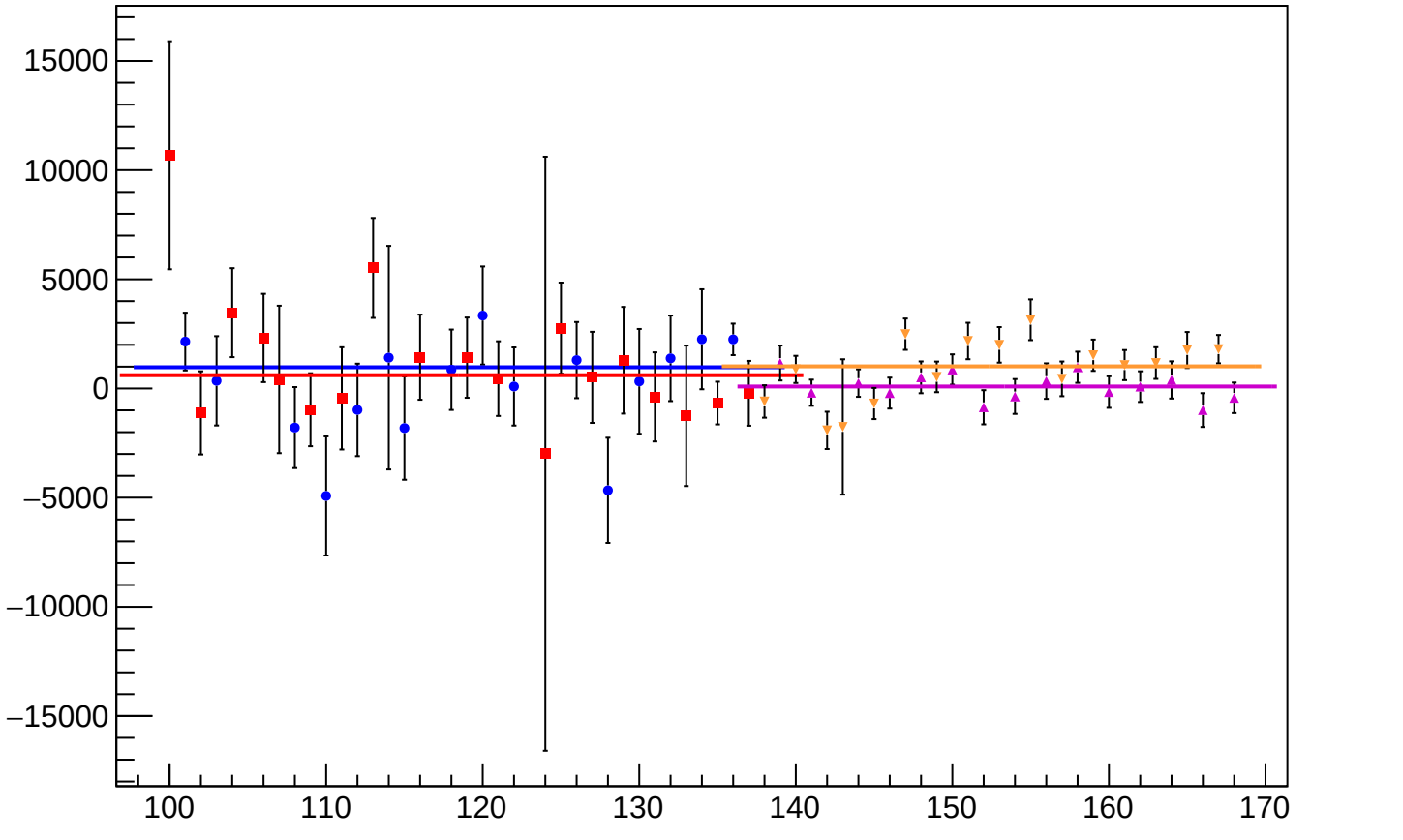
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1256.125+/-0.252 χ^2/NDF:16096.9/14

+ sign 1245.309+/-0.199 χ^2/NDF: 656506.9/31

All: 1254.315+/-0.142 χ^2/NDF: 899683.3/65

- sign 1263.564+/-0.202 χ^2/NDF: 239036.0/33



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 1013.965+/-191.416 χ^2/NDF:39.7/15

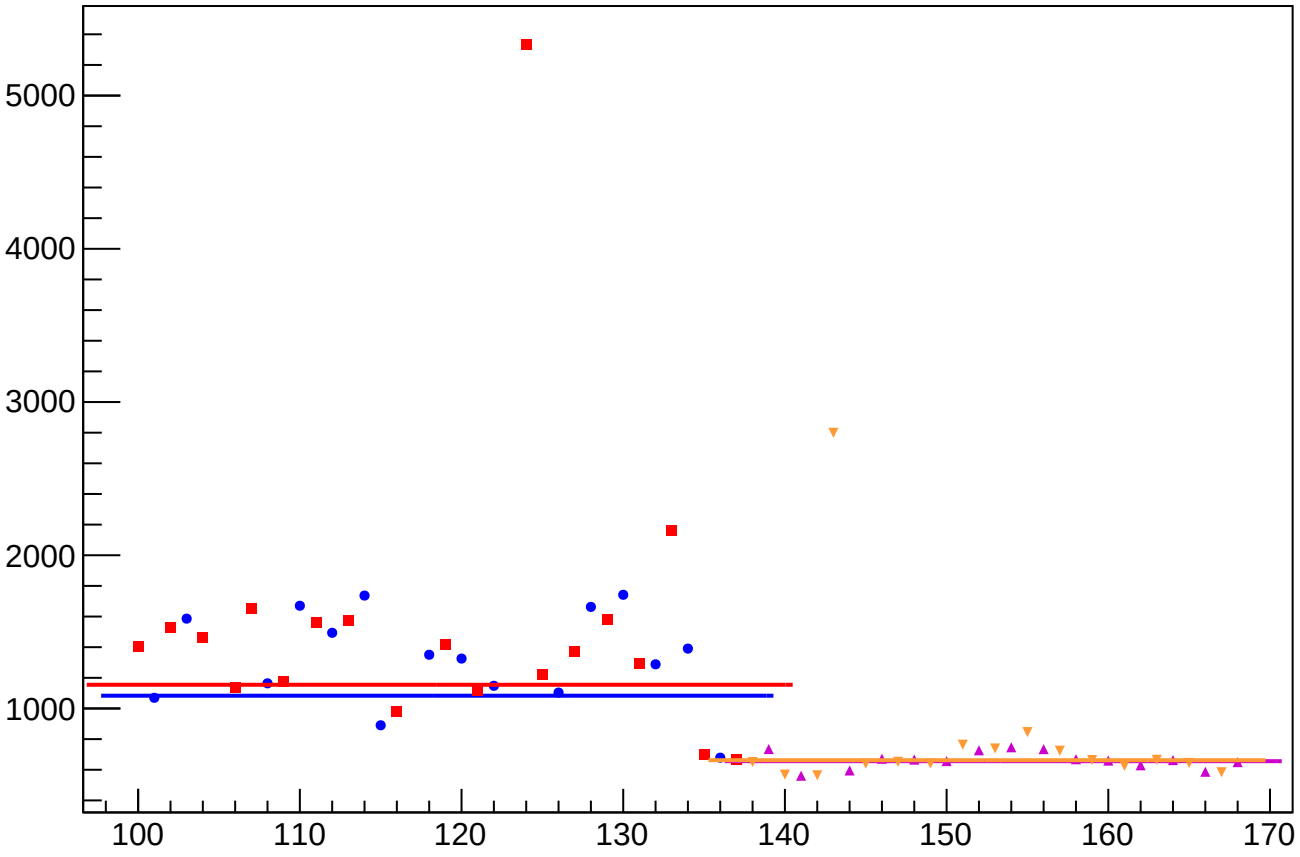
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 90.325+/-187.197 χ^2/NDF:10.0/14

+ sign 1006.942+/-174.546 χ^2/NDF: 60.2/31

All: 582.739+/-122.768 χ^2/NDF: 100.2/65

- sign 167.417+/-172.709 χ^2/NDF: 28.3/33



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 662.334+/-0.135 χ^2/NDF:1200765.2/15

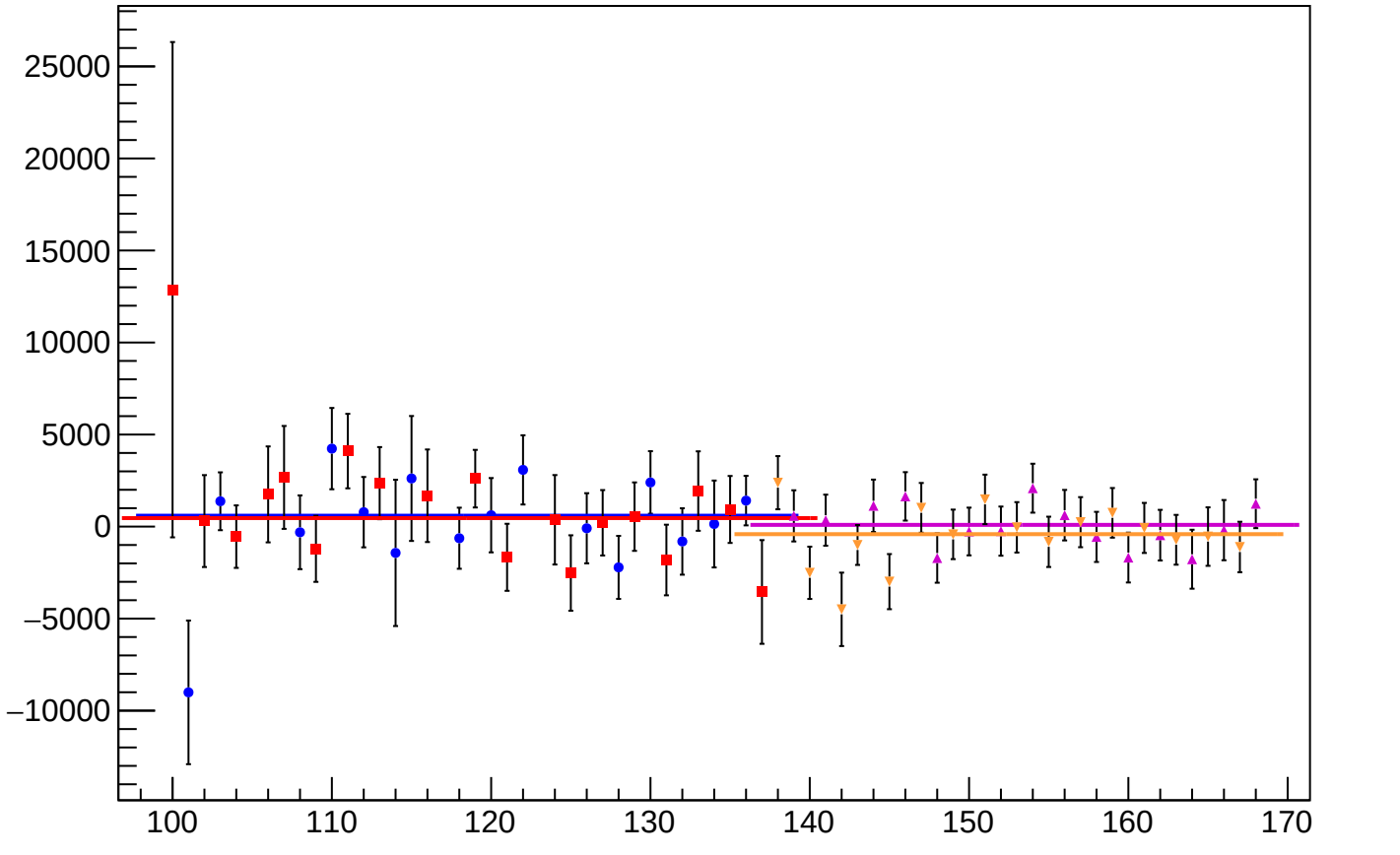
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 656.018+/-0.132 χ^2/NDF:170758.2/14

+ sign 733.272+/-0.123 χ^2/NDF: 4191090.0/31

All: 731.731+/-0.087 χ^2/NDF: 7962559.3/65

- sign 730.223+/-0.122 χ^2/NDF: 3771160.9/33



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -411.519+/-346.051 χ^2/NDF:18.0/15

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

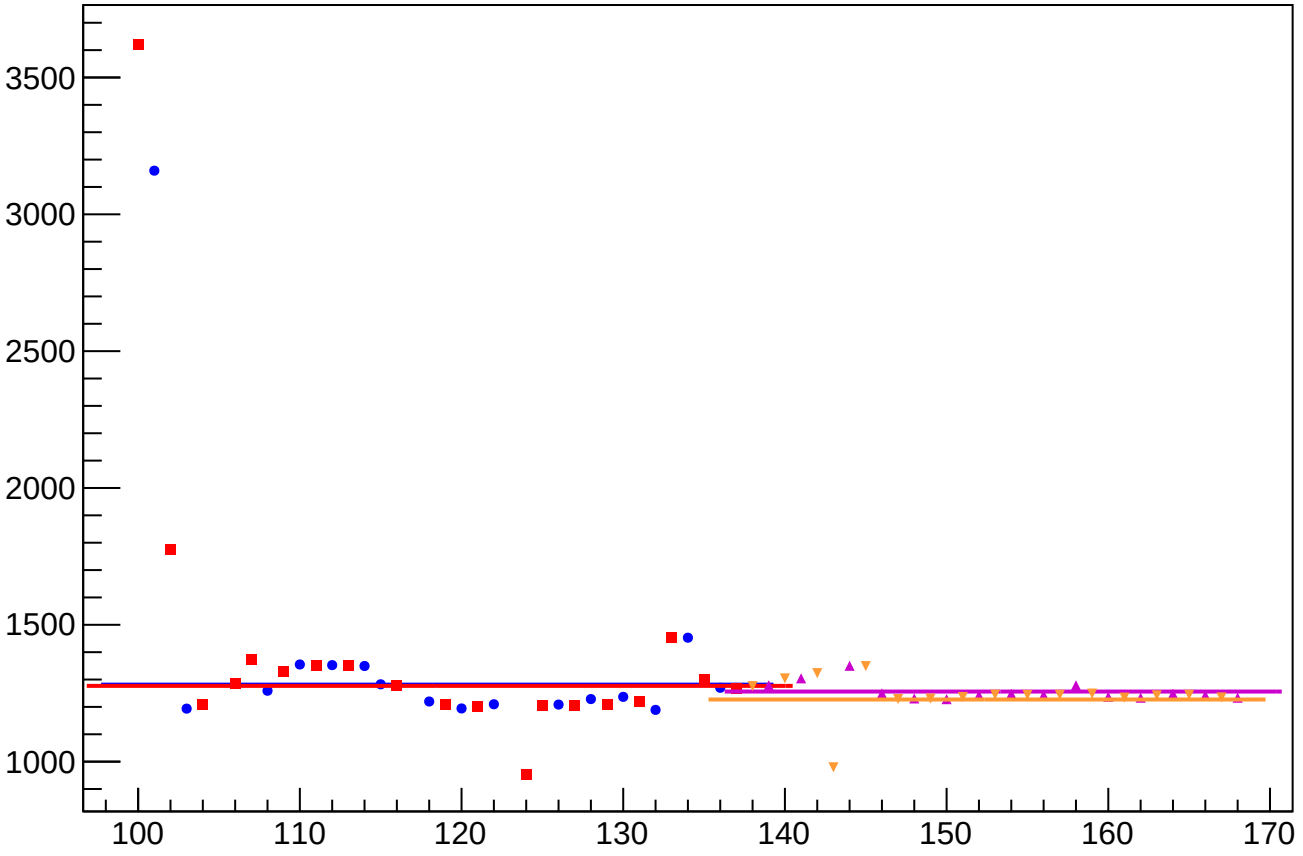
Left In: 92.916+/-356.647 χ^2/NDF:10.7/14

+ sign -73.993+/-281.791 χ^2/NDF: 37.9/31

All: 73.773+/-200.586 χ^2/NDF: 66.2/65

- sign 225.552+/-285.590 χ^2/NDF: 27.7/33

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: 1226.989+/-0.245 χ^2/NDF:132788.2/15

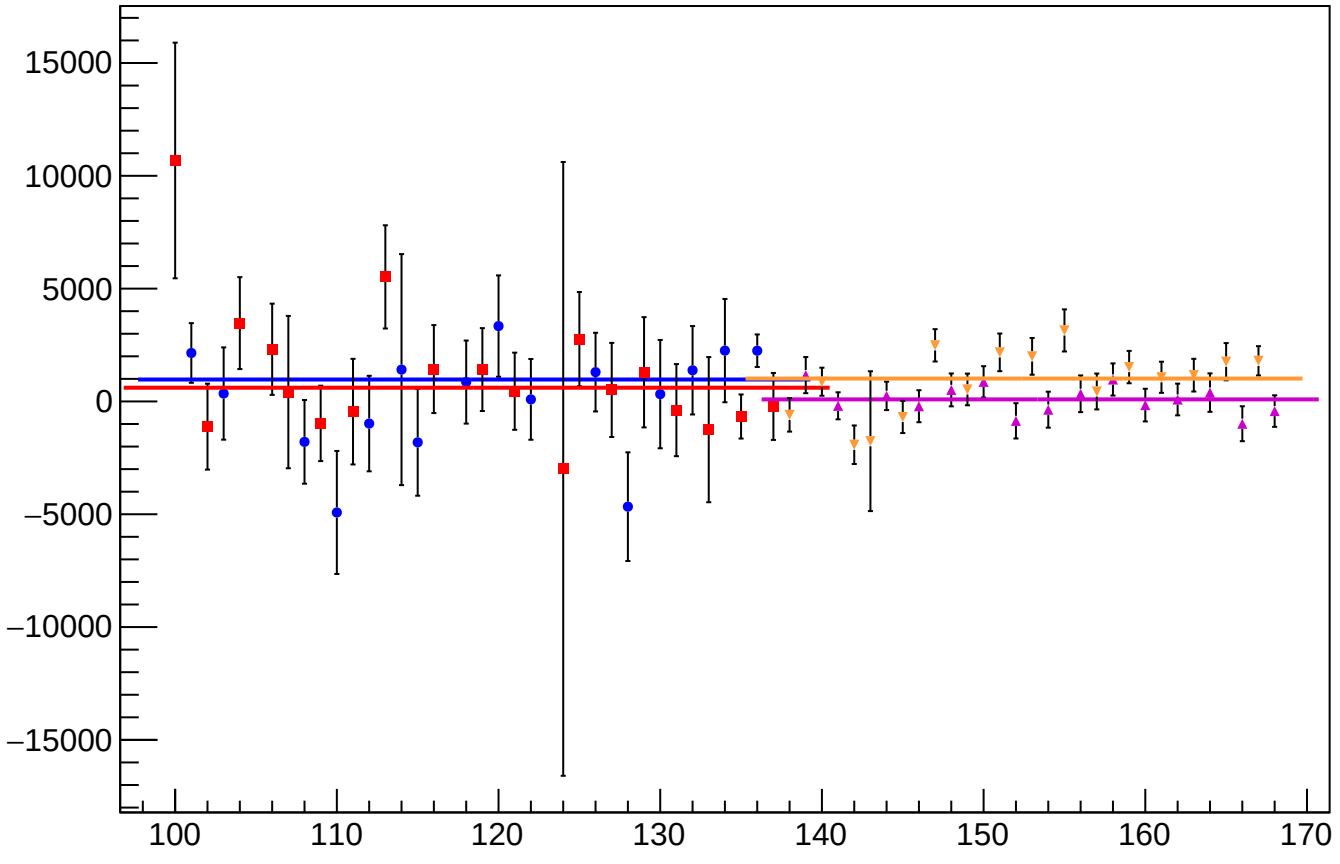
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1256.125+/-0.252 χ^2/NDF:16096.9/14

+ sign 1245.310+/-0.199 χ^2/NDF: 656506.2/31

All: 1254.315+/-0.142 χ^2/NDF: 899682.4/65

- sign 1263.564+/-0.202 χ^2/NDF: 239035.9/33



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 1013.967+/-191.416 χ^2/NDF:39.7/15

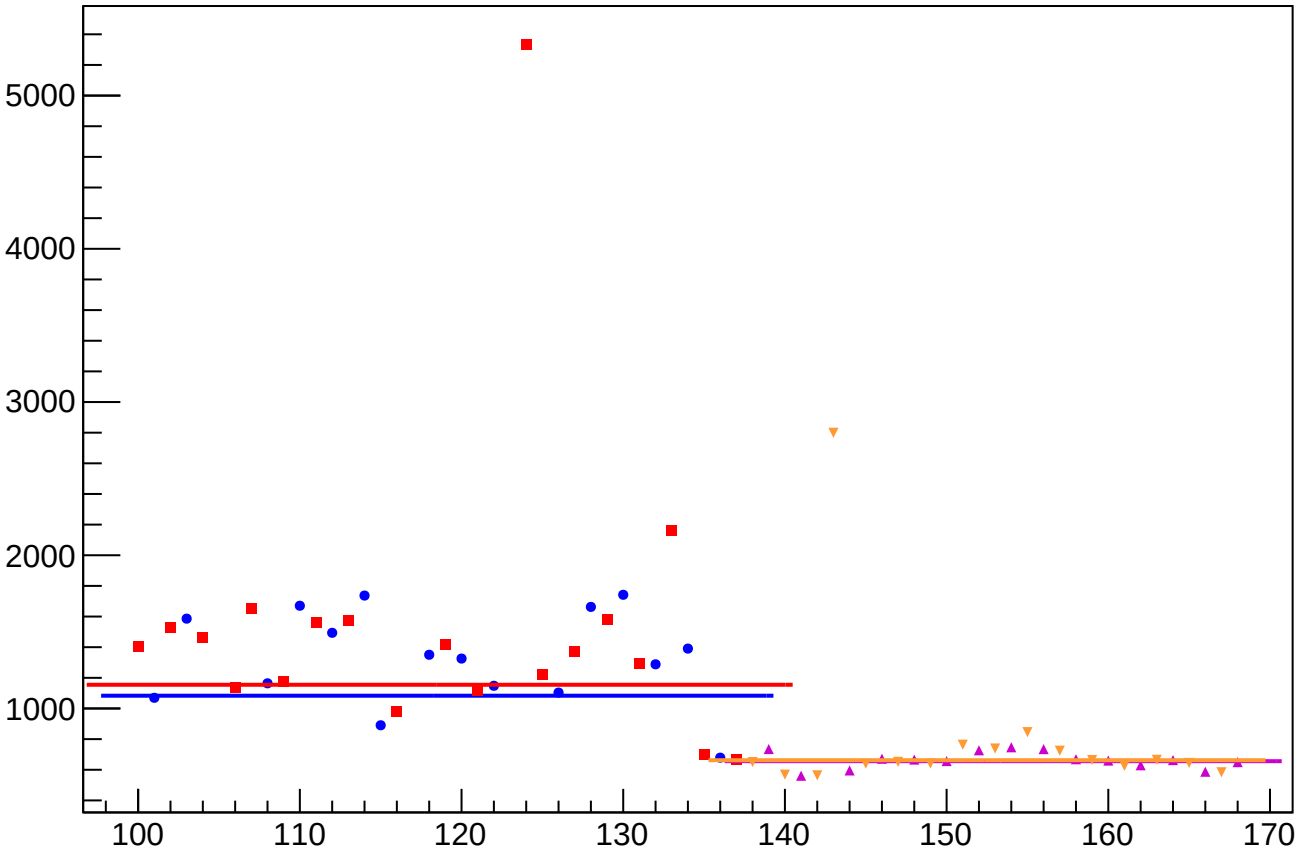
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 90.323+/-187.197 χ^2/NDF:10.0/14

+ sign 1006.943+/-174.546 χ^2/NDF: 60.2/31

All: 582.739+/-122.768 χ^2/NDF: 100.2/65

- sign 167.416+/-172.709 χ^2/NDF: 28.3/33



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 662.335+/-0.135 χ^2/NDF:1200760.3/15

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

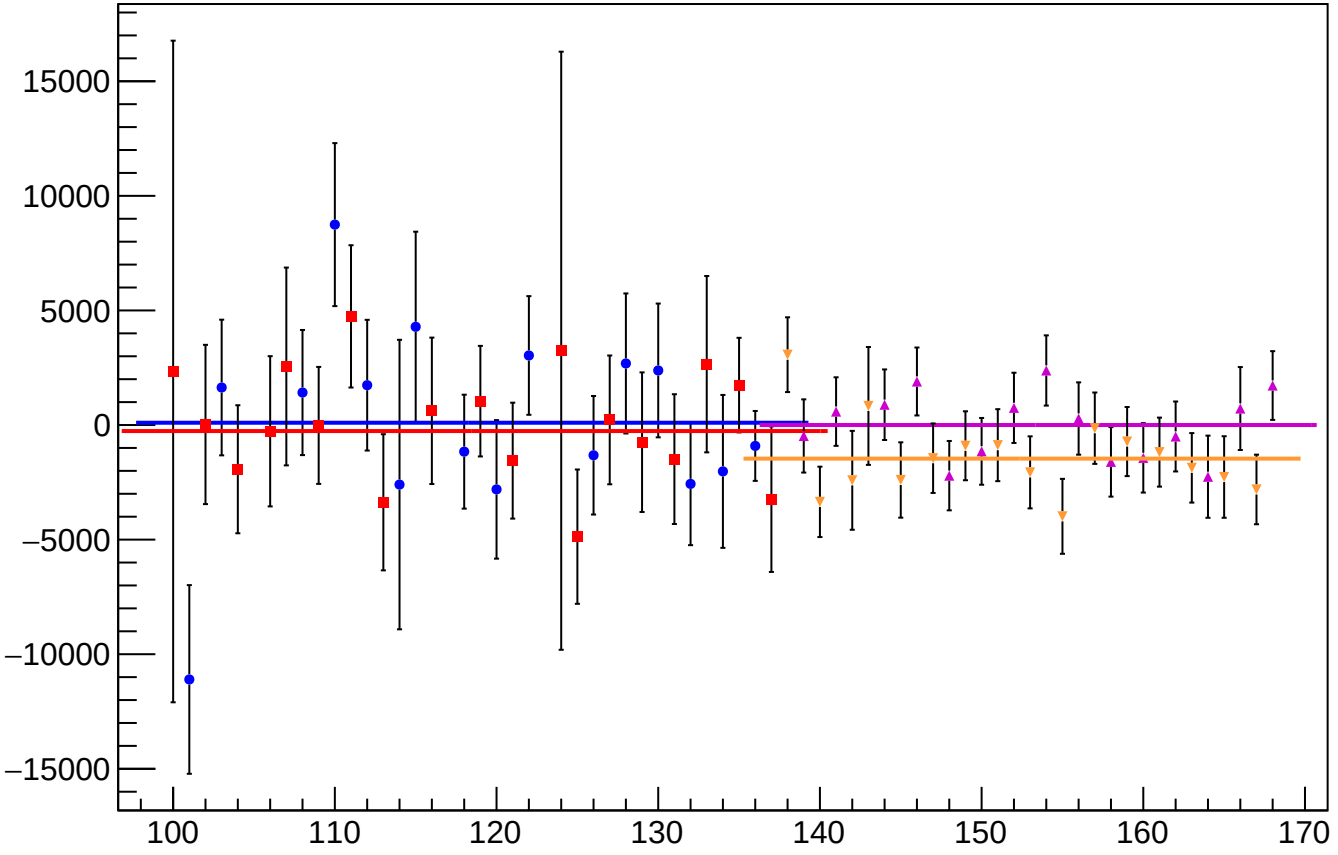
Left In: 656.017+/-0.132 χ^2/NDF:170761.7/14

+ sign 733.273+/-0.123 χ^2/NDF: 4191063.8/31

All: 731.732+/-0.087 χ^2/NDF: 7962535.2/65

- sign 730.223+/-0.122 χ^2/NDF: 3771162.8/33

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1465.663+/-405.730 χ^2/NDF:15.4/15

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

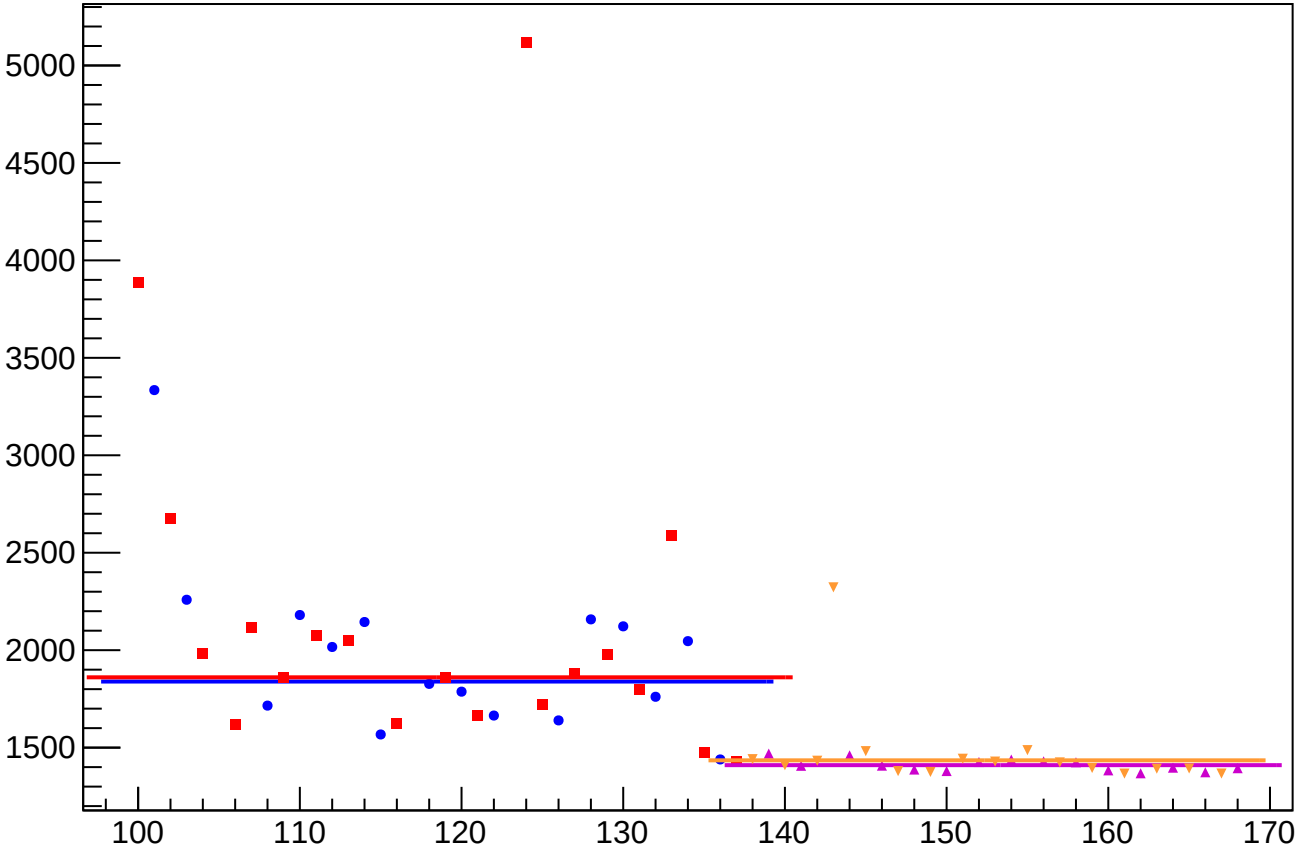
Left In: 0.519+/-400.350 χ^2/NDF:12.8/14

+ sign -1070.973+/-350.900 χ^2/NDF: 40.5/31

All: -562.779+/-246.910 χ^2/NDF: 67.9/65

- sign -64.405+/-347.493 χ^2/NDF: 23.3/33

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1434.806+/-0.287 χ^2/NDF:260489.2/15

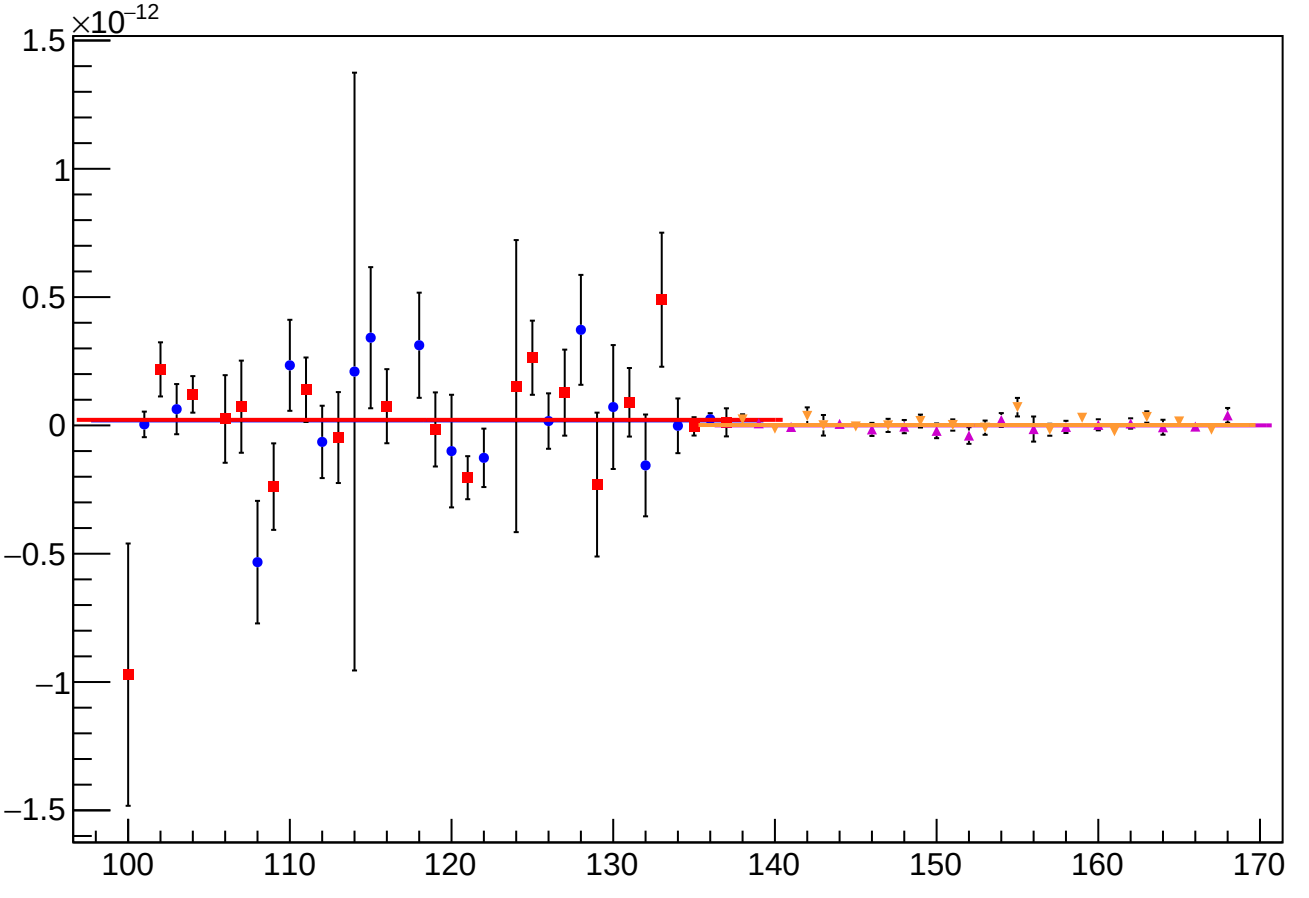
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1410.081+/-0.283 χ^2/NDF:10863.4/14

+ sign 1536.699+/-0.248 χ^2/NDF: 1317724.5/31

All: 1528.889+/-0.175 χ^2/NDF: 2477719.1/65

- sign 1521.230+/-0.246 χ^2/NDF: 1158032.3/33



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

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/15

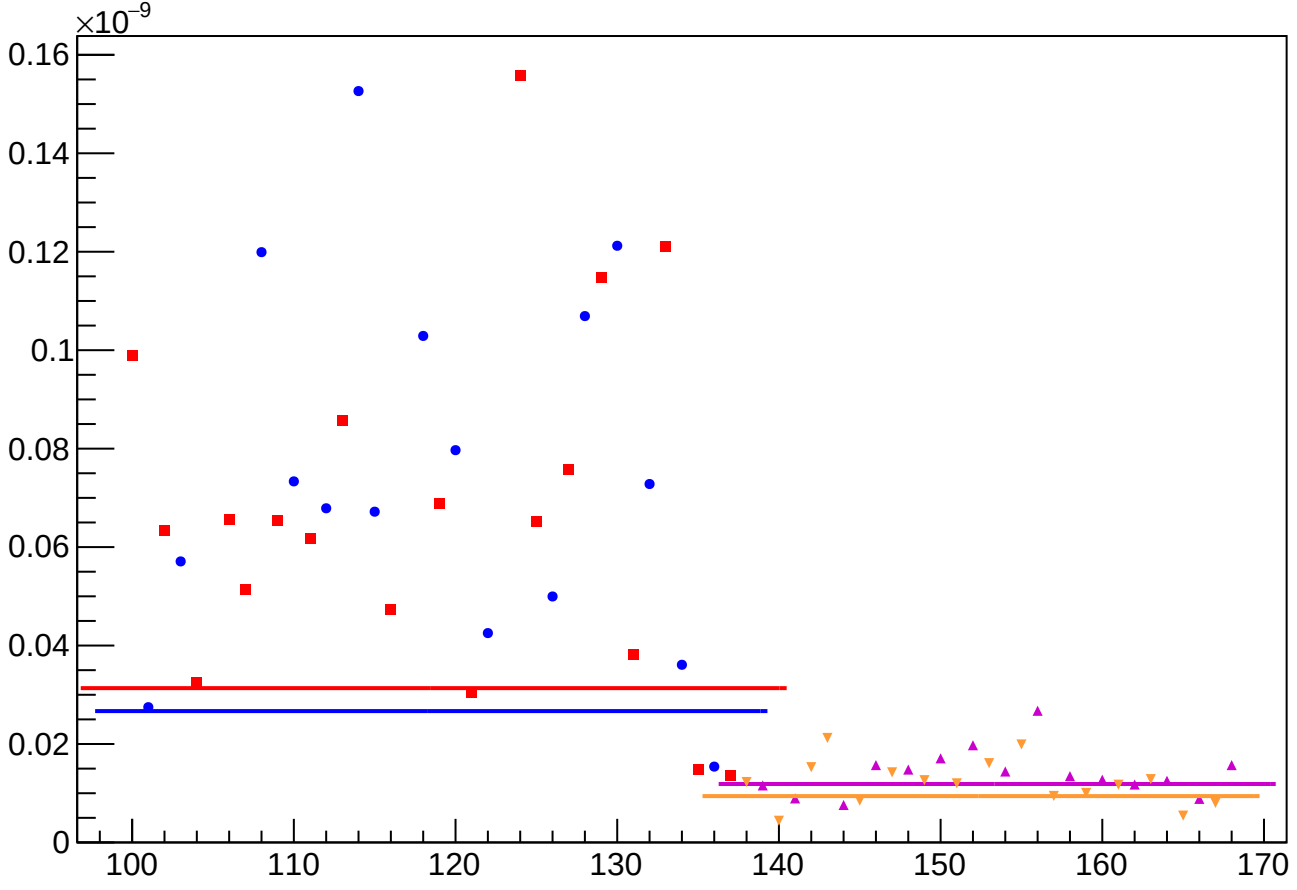
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 34.4/31

All: 0.000+/-0.000 χ^2/NDF: 69.3/65

- sign 0.000+/-0.000 χ^2/NDF: 34.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1356581.6/15

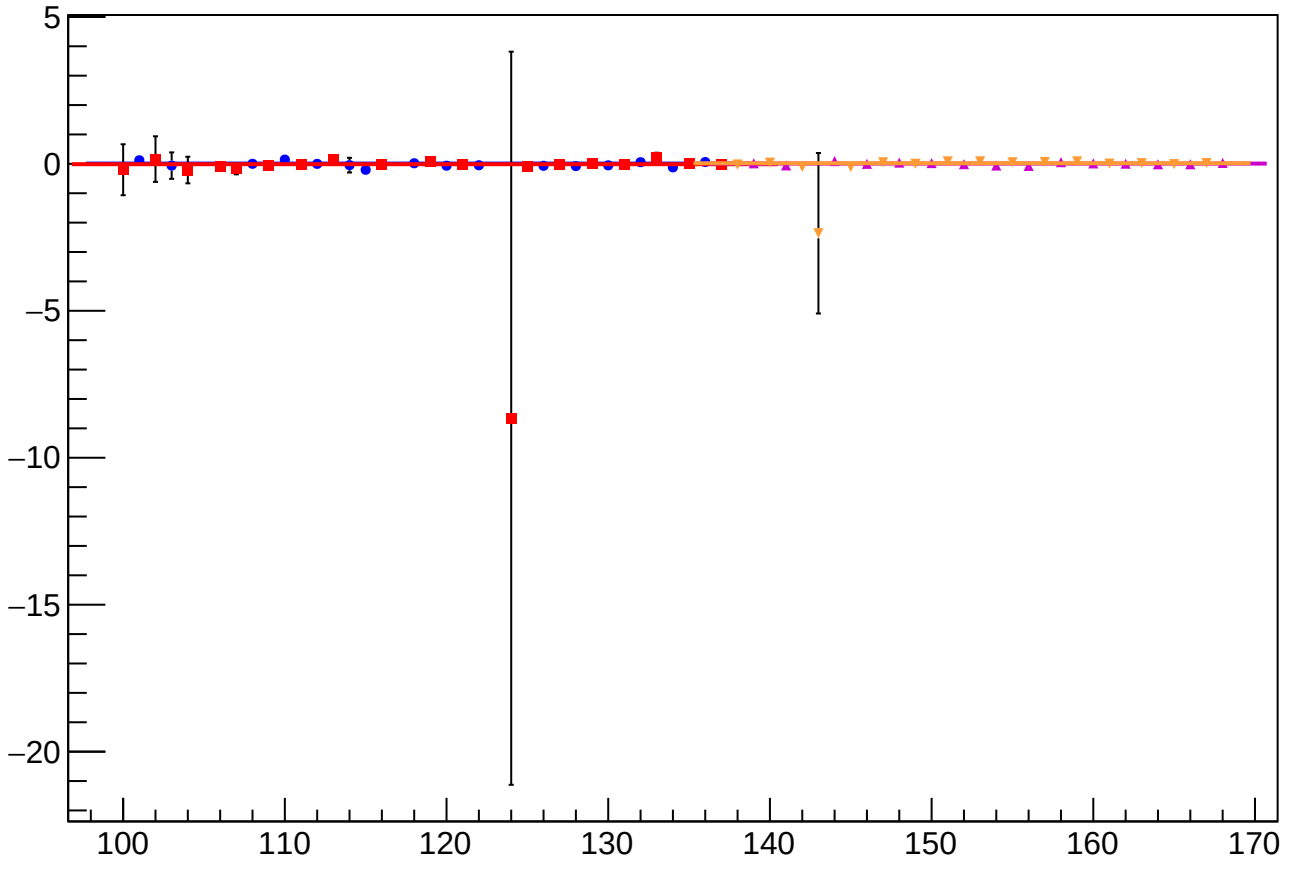
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:824887.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 5517736.9/31

All: 0.000+/-0.000 χ^2/NDF: 10299942.4/65

- sign 0.000+/-0.000 χ^2/NDF: 4531377.4/33



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

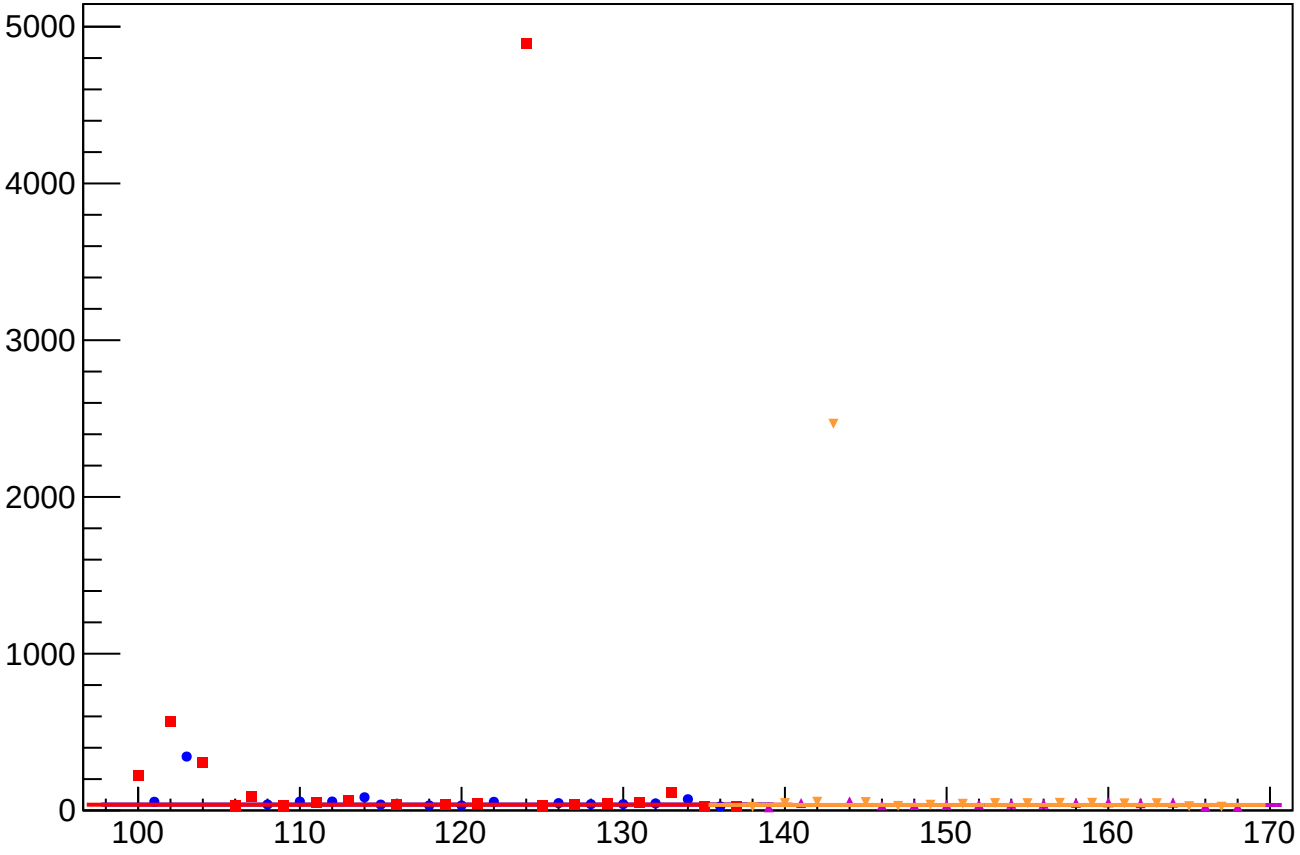
Left In: 0.008+/-0.011 χ^2/NDF:10.7/14

+ sign 0.016+/-0.009 χ^2/NDF: 36.6/31

All: 0.009+/-0.007 χ^2/NDF: 62.2/65

- sign 0.002+/-0.009 χ^2/NDF: 24.4/33

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: 35.065+/-0.008 χ^2/NDF:3479952.0/15

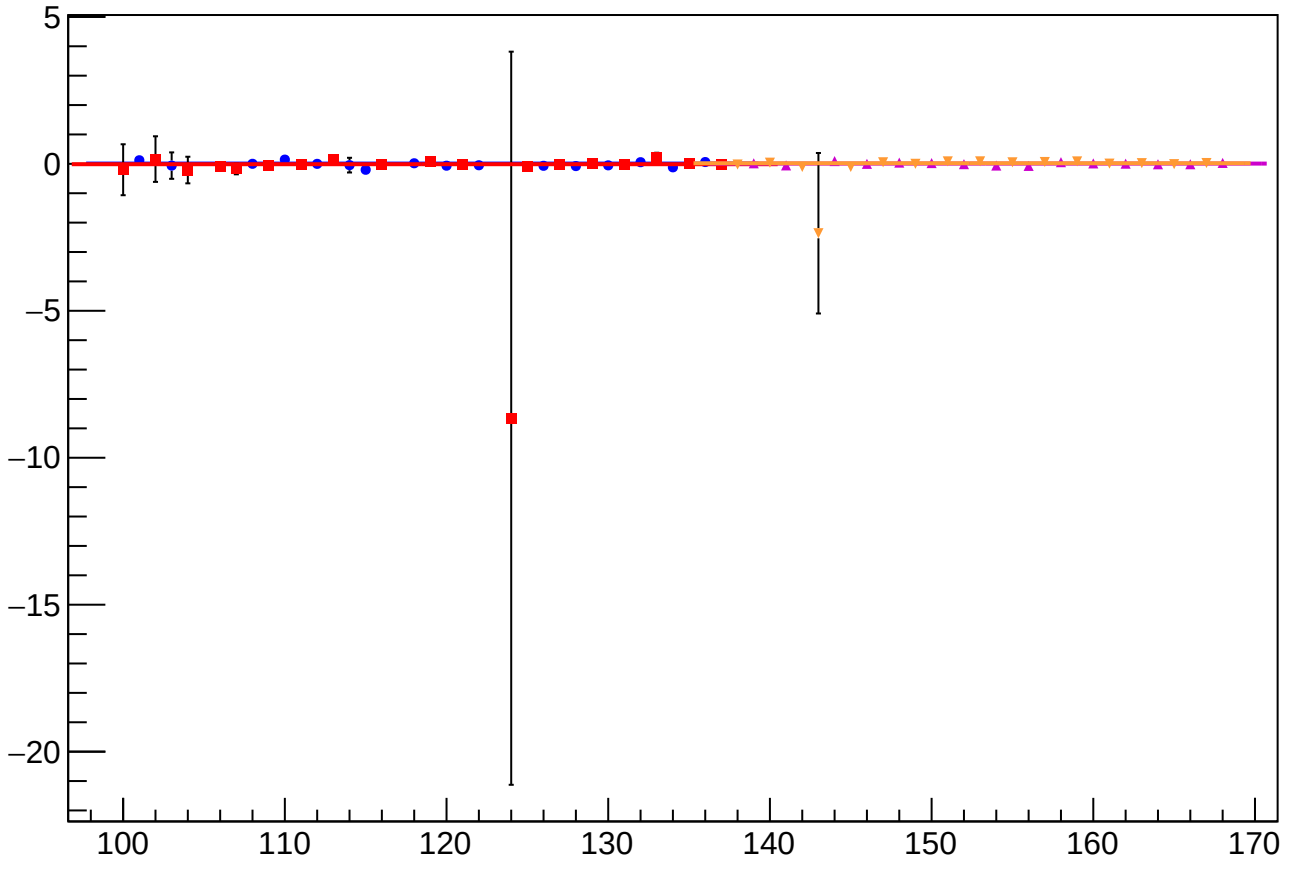
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.882+/-0.008 χ^2/NDF:1867153.7/14

+ sign 35.868+/-0.007 χ^2/NDF: 5493797.7/31

All: 35.660+/-0.005 χ^2/NDF: 10571563.8/65

- sign 35.456+/-0.006 χ^2/NDF: 5075761.9/33



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.020+/-0.011 χ^2/NDF:17.0/15

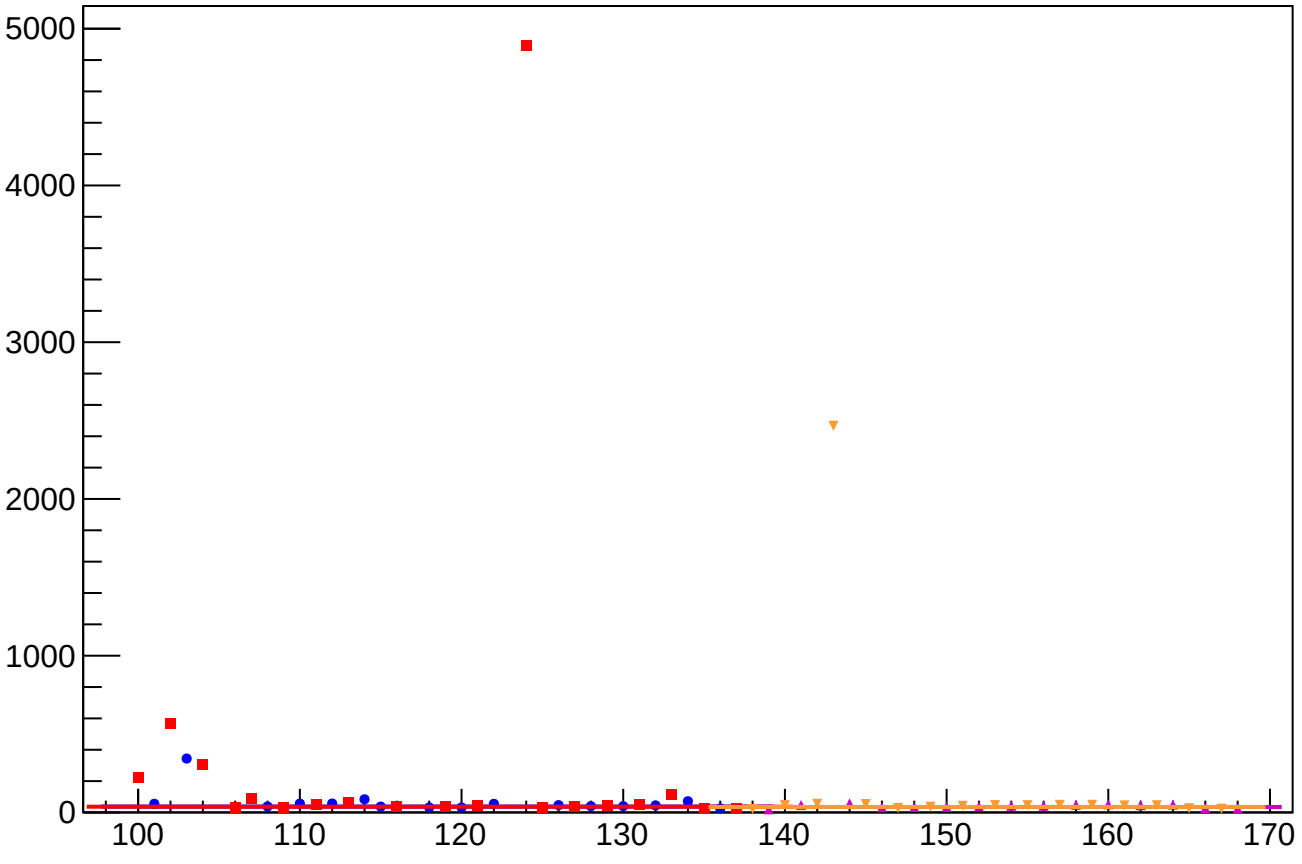
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.008+/-0.011 χ^2/NDF:10.7/14

+ sign 0.016+/-0.009 χ^2/NDF: 36.6/31

All: 0.009+/-0.007 χ^2/NDF: 62.2/65

- sign 0.002+/-0.009 χ^2/NDF: 24.4/33



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 35.065+/-0.008 χ^2/NDF:3479952.0/15

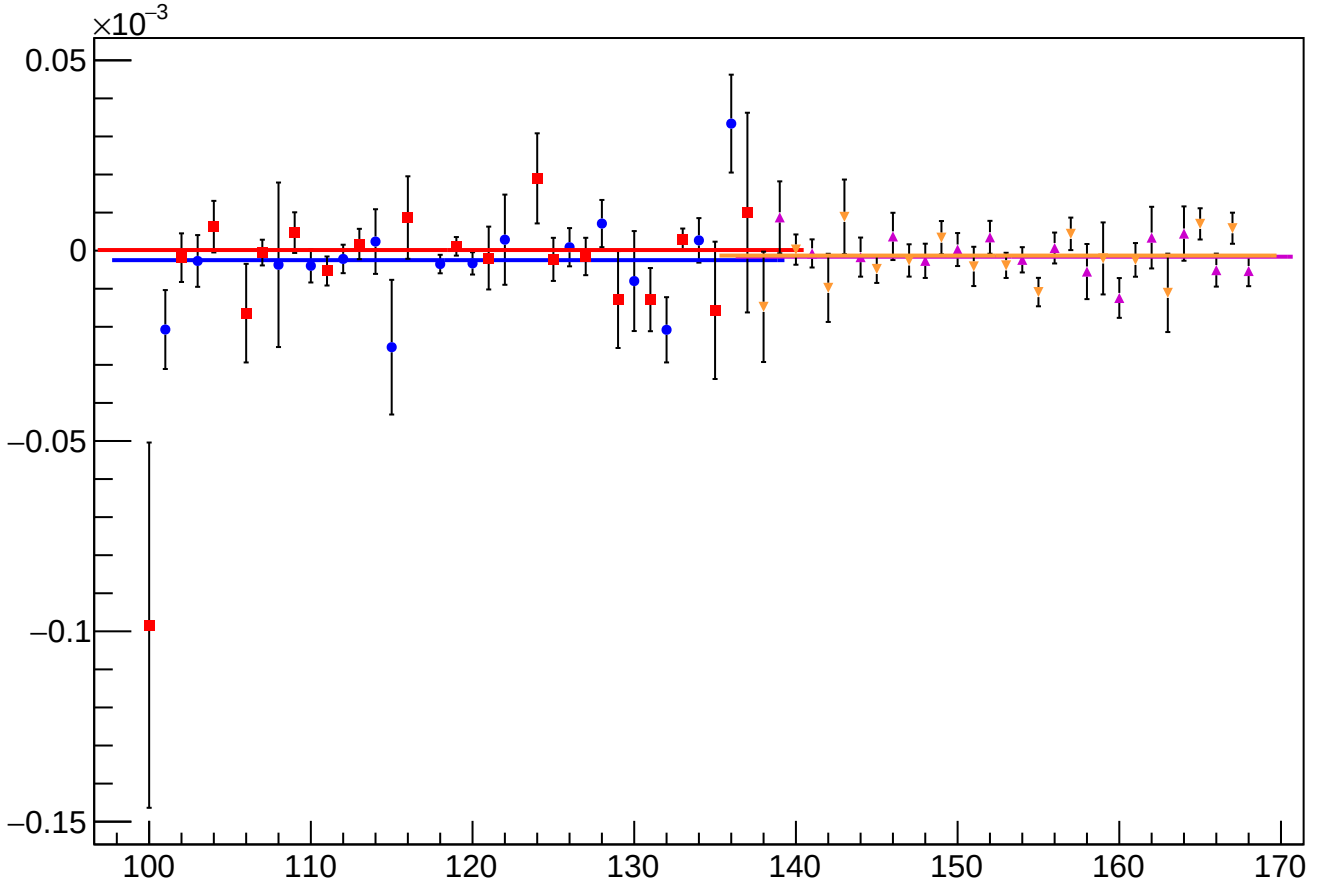
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.882+/-0.008 χ^2/NDF:1867153.7/14

\+ sign 35.868+/-0.007 χ^2/NDF: 5493797.7/31

All: 35.660+/-0.005 χ^2/NDF: 10571563.8/65

\- sign 35.456+/-0.006 χ^2/NDF: 5075761.9/33



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/15

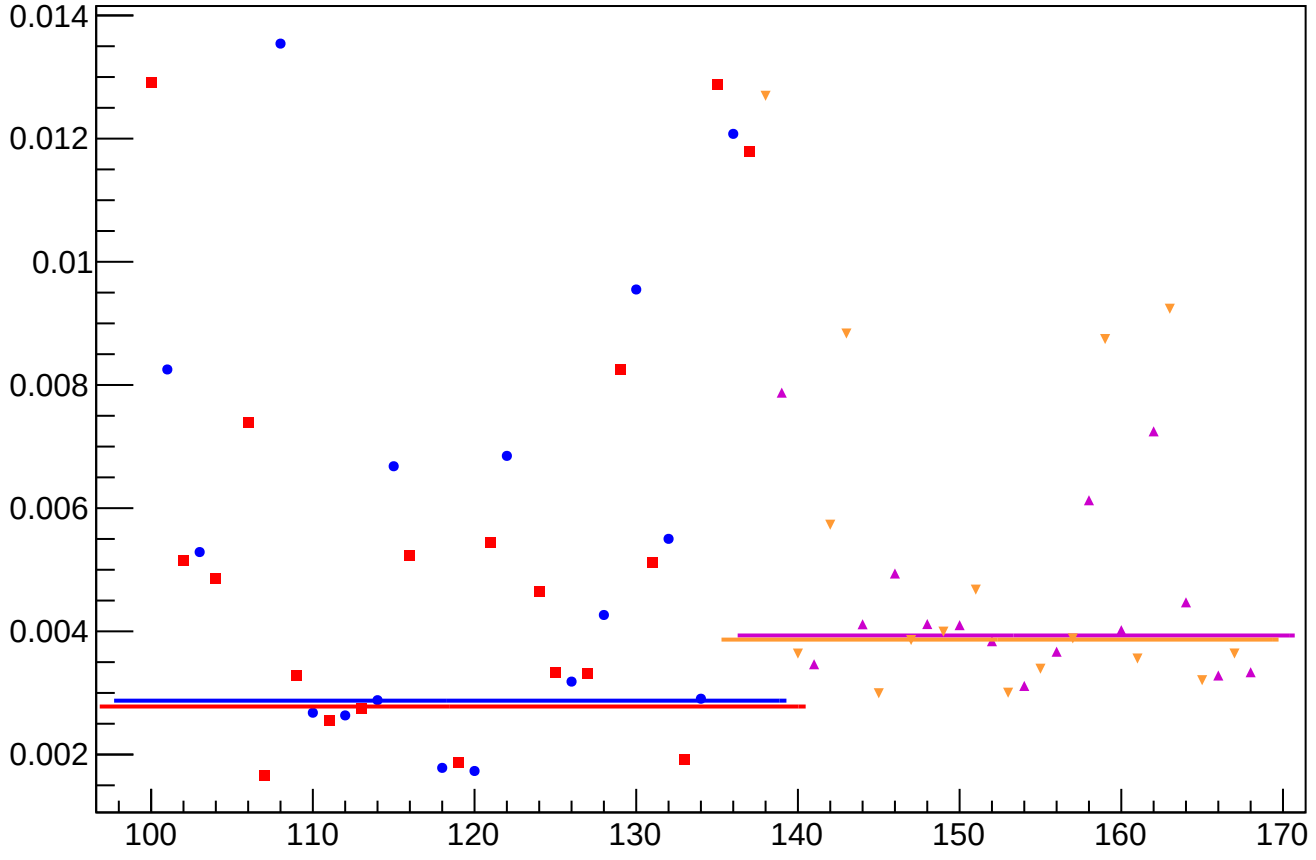
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:11.3/14

+ sign -0.000+/-0.000 χ^2/NDF: 44.9/31

All: -0.000+/-0.000 χ^2/NDF: 77.0/65

- sign -0.000+/-0.000 χ^2/NDF: 31.2/33



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2824920.6/15

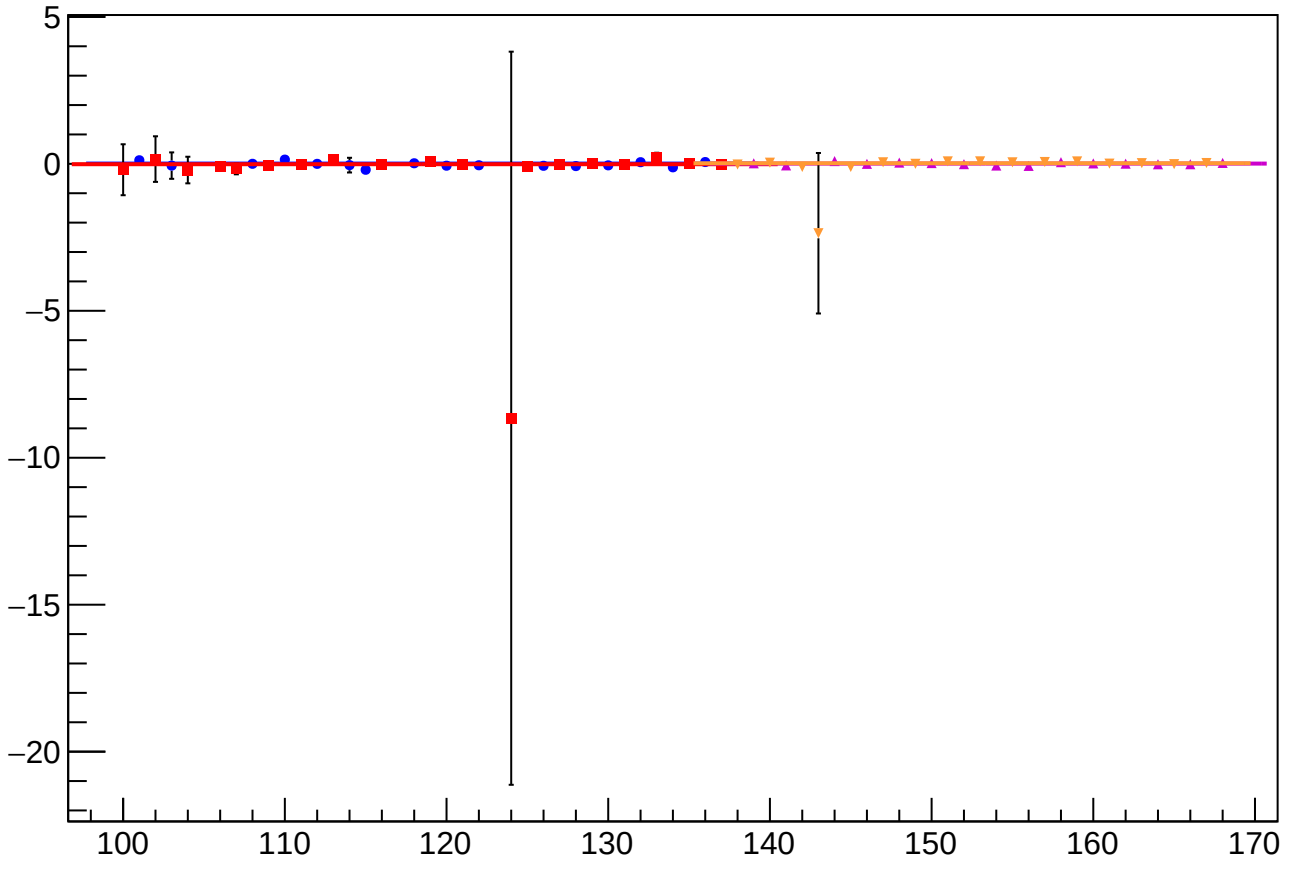
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1192787.5/14

+ sign 0.003+/-0.000 χ^2/NDF: 7612451.9/31

All: 0.003+/-0.000 χ^2/NDF: 13049167.7/65

- sign 0.003+/-0.000 χ^2/NDF: 5425639.9/33



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.020+/-0.011 χ^2/NDF:17.0/15

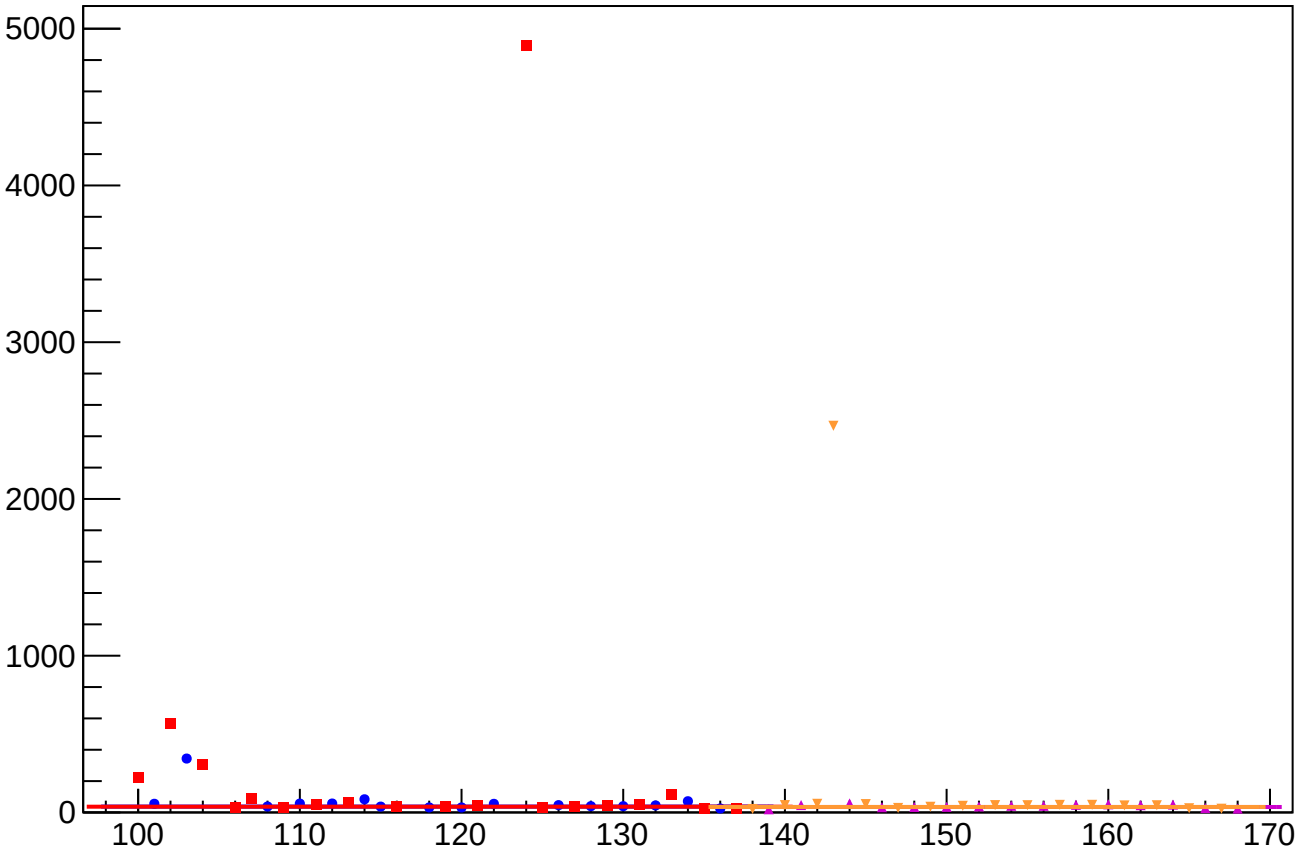
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.008+/-0.011 χ^2/NDF:10.7/14

+ sign 0.016+/-0.009 χ^2/NDF: 36.6/31

All: 0.009+/-0.007 χ^2/NDF: 62.2/65

- sign 0.002+/-0.009 χ^2/NDF: 24.4/33



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 35.063+/-0.008 χ^2/NDF:3480090.1/15

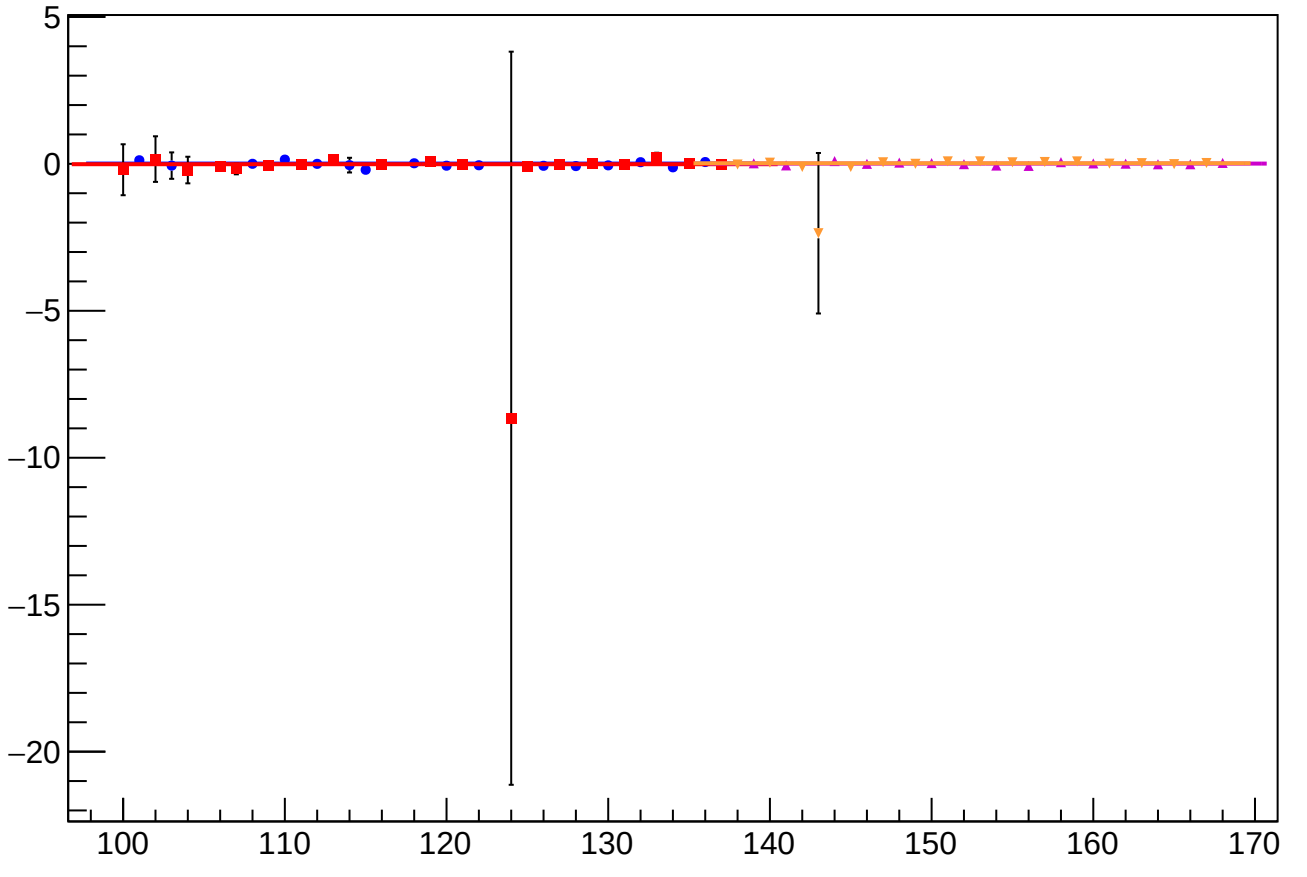
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.884+/-0.008 χ^2/NDF:1866018.7/14

+ sign 35.867+/-0.007 χ^2/NDF: 5493910.3/31

All: 35.661+/-0.005 χ^2/NDF: 10570202.3/65

- sign 35.458+/-0.006 χ^2/NDF: 5074314.8/33



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.020+/-0.011 χ^2/NDF:17.0/15

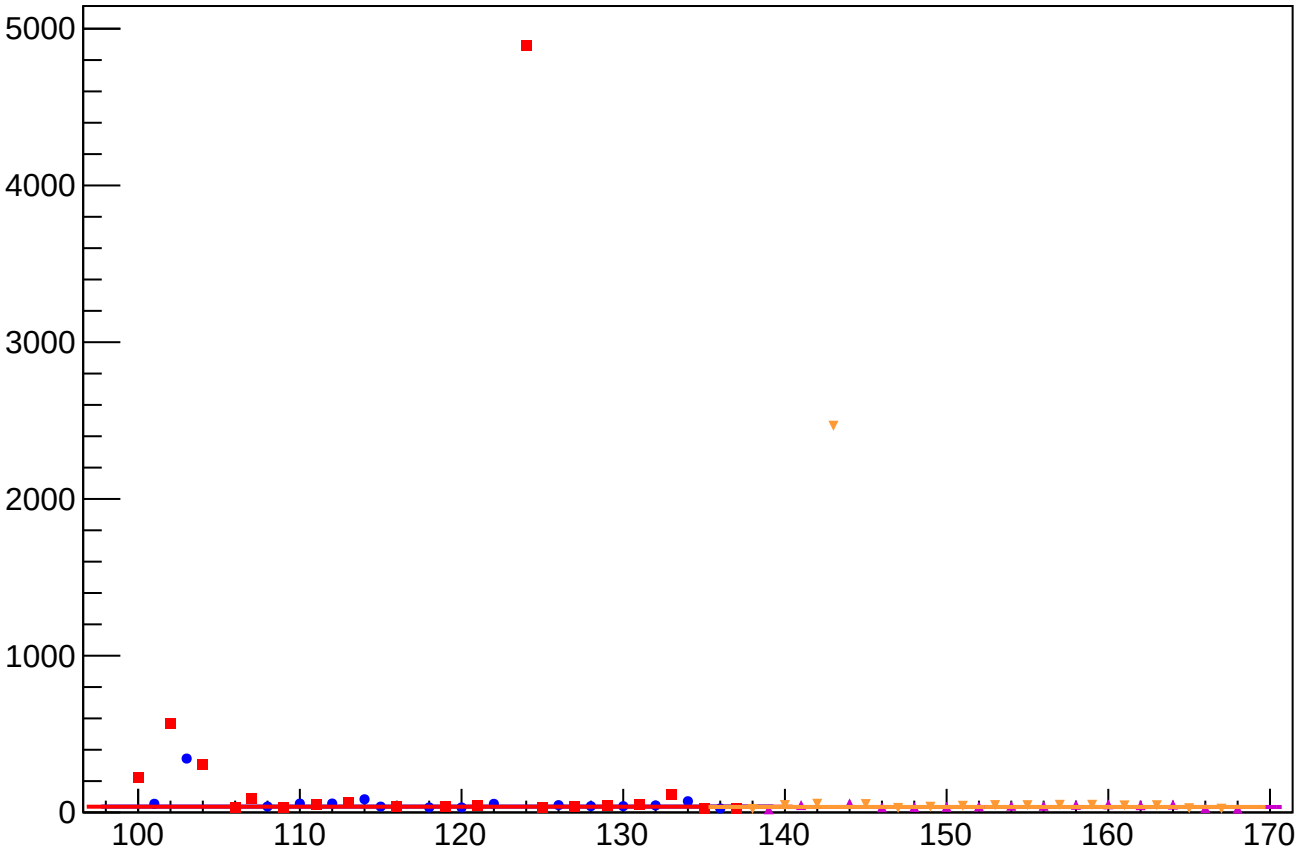
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.008+/-0.011 χ^2/NDF:10.7/14

+ sign 0.016+/-0.009 χ^2/NDF: 36.6/31

All: 0.009+/-0.007 χ^2/NDF: 62.2/65

- sign 0.002+/-0.009 χ^2/NDF: 24.4/33



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 35.063+/-0.008 χ^2/NDF:3480090.1/15

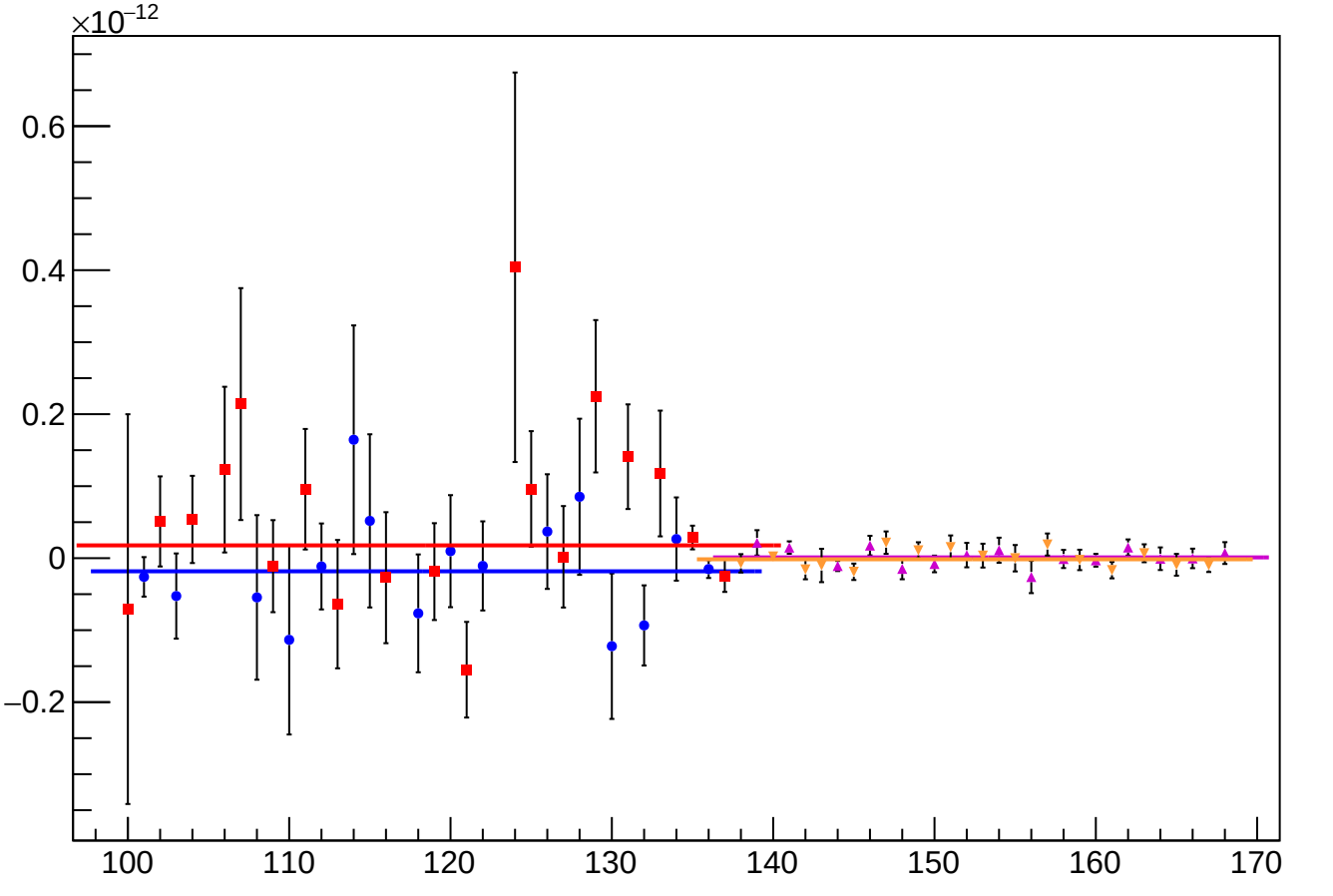
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.884+/-0.008 χ^2/NDF:1866018.7/14

+ sign 35.867+/-0.007 χ^2/NDF: 5493910.3/31

All: 35.661+/-0.005 χ^2/NDF: 10570202.3/65

- sign 35.458+/-0.006 χ^2/NDF: 5074314.8/33



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/15

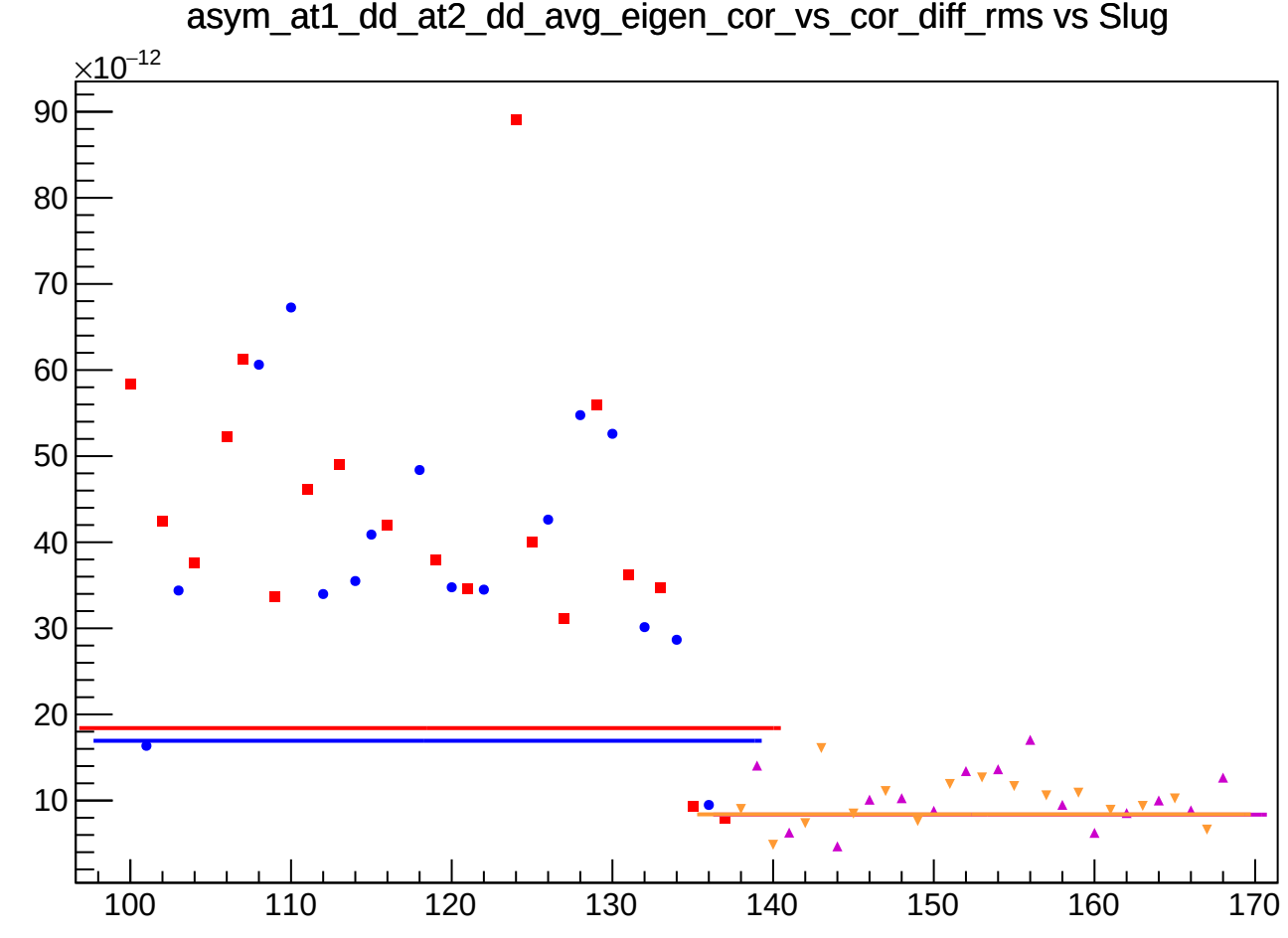
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/14

+ sign -0.000+/-0.000 χ^2/NDF: 24.5/31

All: -0.000+/-0.000 χ^2/NDF: 69.3/65

- sign 0.000+/-0.000 χ^2/NDF: 43.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1369910.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

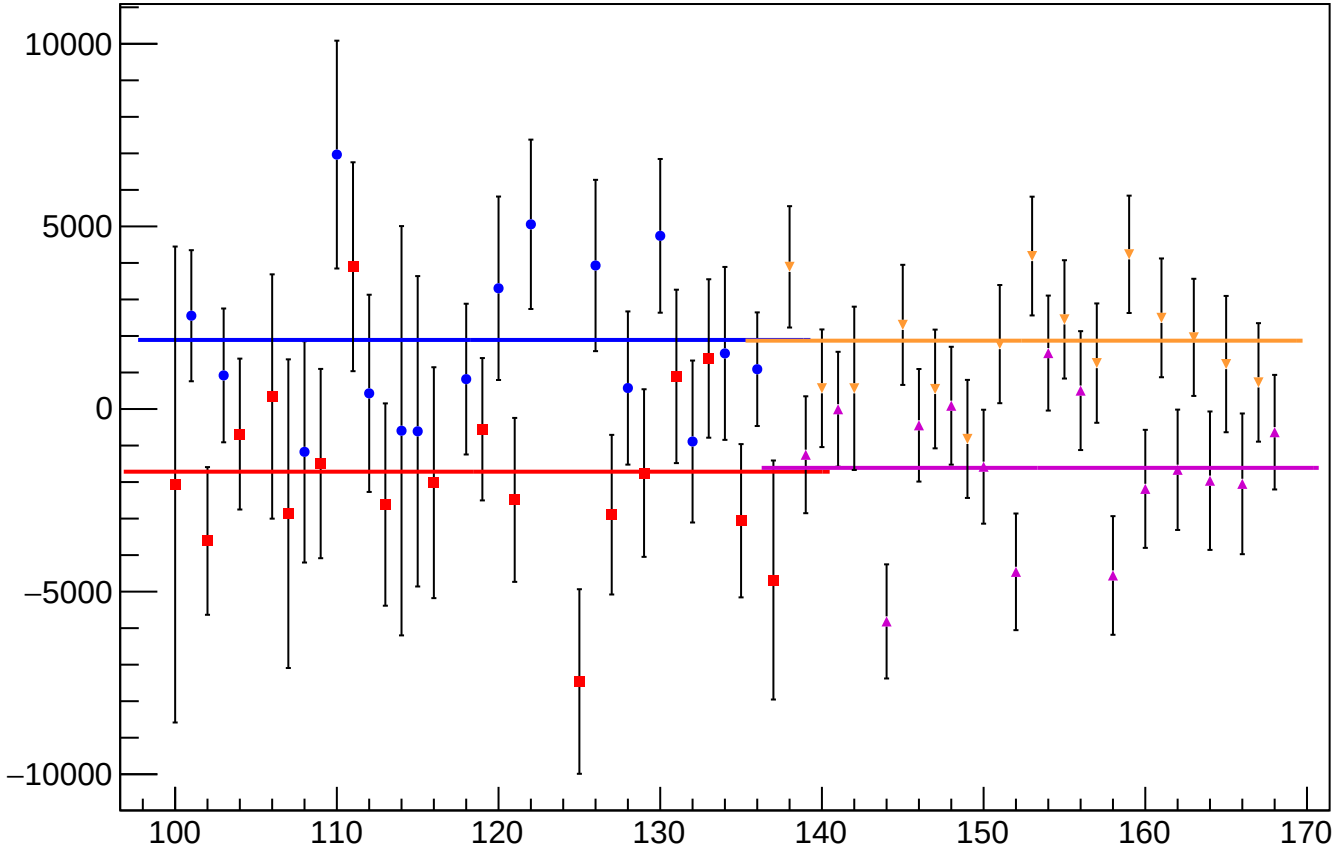
Left In: 0.000+/-0.000 χ^2/NDF:1924812.9/14

+ sign 0.000+/-0.000 χ^2/NDF: 5931528.3/31

All: 0.000+/-0.000 χ^2/NDF: 13064463.3/65

- sign 0.000+/-0.000 χ^2/NDF: 7132552.3/33

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1871.591+/-429.699 χ^2/NDF:11.2/14

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

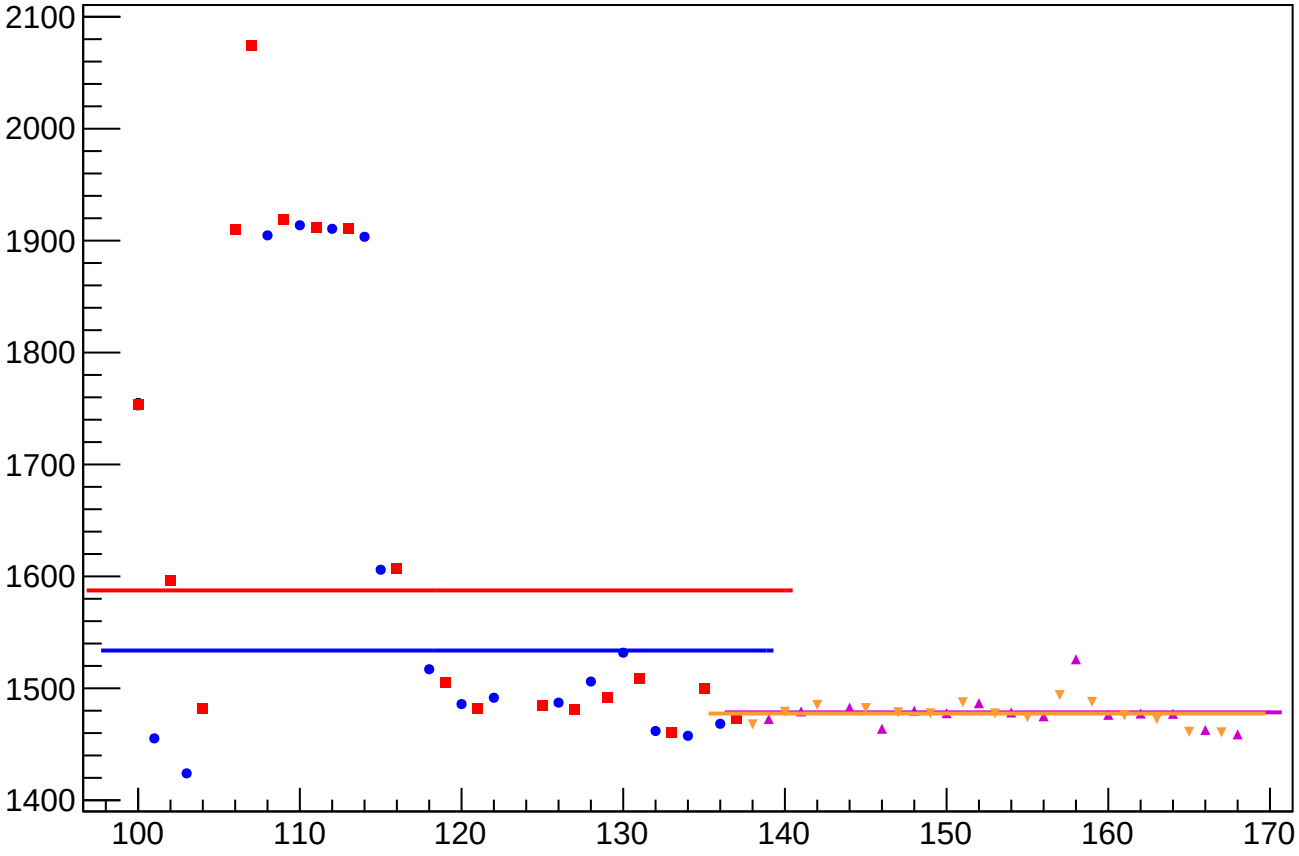
Left In: -1611.120+/-419.670 χ^2/NDF:22.8/14

+ sign 1878.754+/-343.610 χ^2/NDF: 23.4/30

All: 107.332+/-242.358 χ^2/NDF: 115.1/63

- sign -1646.364+/-341.887 χ^2/NDF: 38.8/32

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1477.482+/-0.304 χ^2/NDF:872.8/14

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

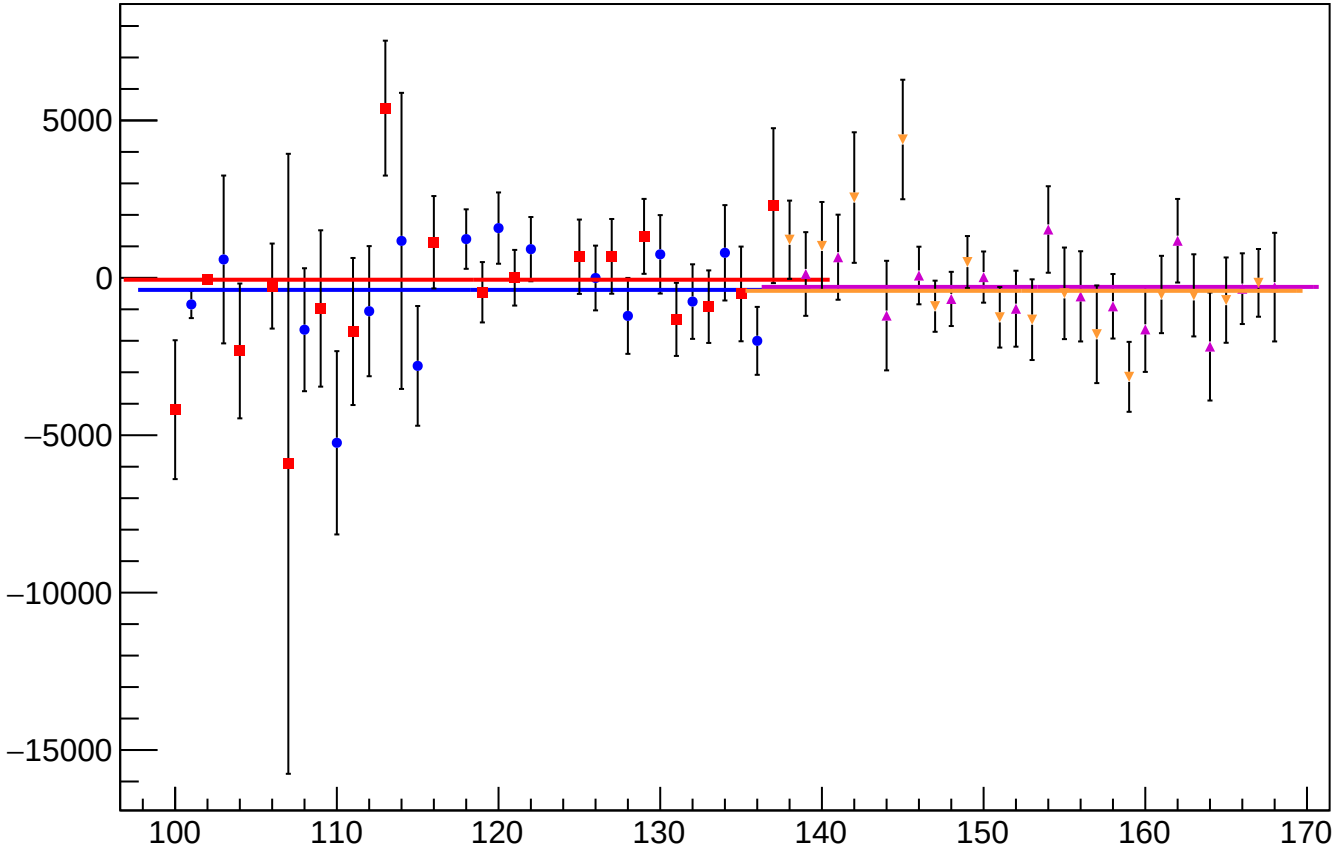
Left In: 1478.509+/-0.297 χ^2/NDF:2446.0/14

+ sign 1497.777+/-0.243 χ^2/NDF: 142518.6/30

All: 1506.509+/-0.171 χ^2/NDF: 364860.7/63

- sign 1515.153+/-0.242 χ^2/NDF: 219771.9/32

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -412.614+/-305.757 χ^2/NDF:21.0/14

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

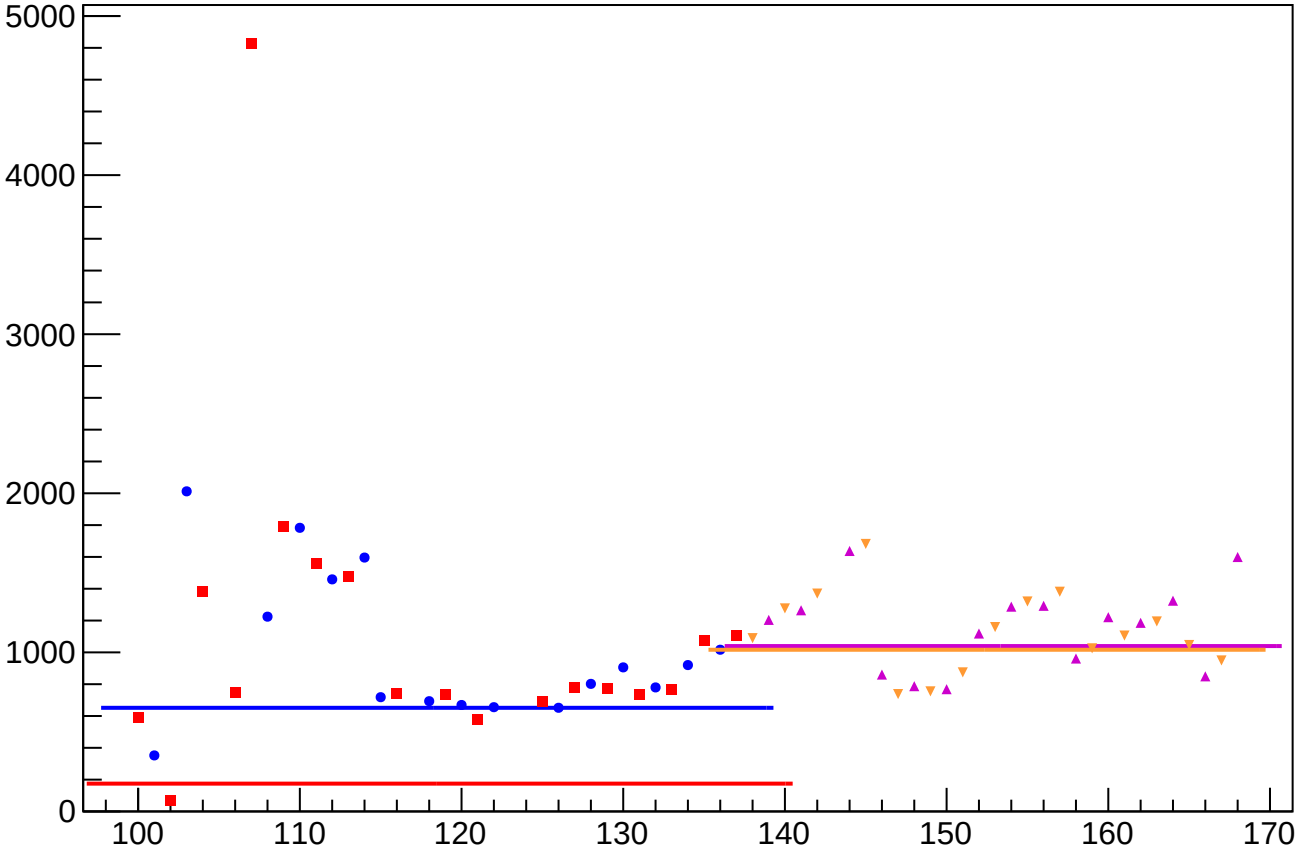
Left In: -288.209+/-305.155 χ^2/NDF:7.3/14

+ sign -395.975+/-203.311 χ^2/NDF: 39.2/30

All: -169.887+/-101.928 χ^2/NDF: 66.4/63

- sign -93.984+/-117.801 χ^2/NDF: 25.5/32

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1016.421+/-0.216 χ^2/NDF:1137969.2/14

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

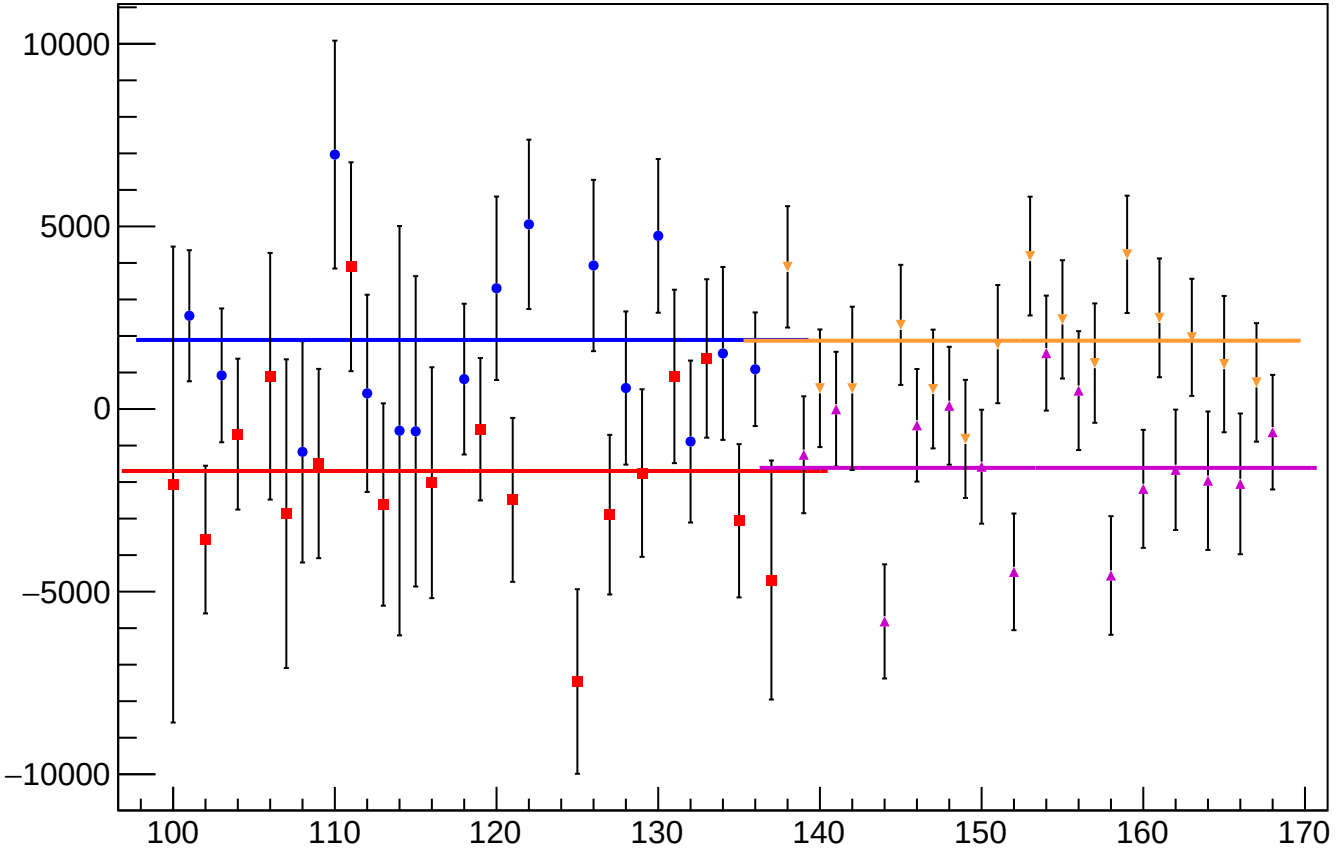
Left In: 1039.672+/-0.216 χ^2/NDF:1323694.2/14

+ sign 812.863+/-0.144 χ^2/NDF: 5489673.8/30

All: 431.727+/-0.072 χ^2/NDF: 39630992.9/63

- sign 303.772+/-0.083 χ^2/NDF: 24753123.8/32

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1871.577+/-429.699 χ^2/NDF:11.2/14

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

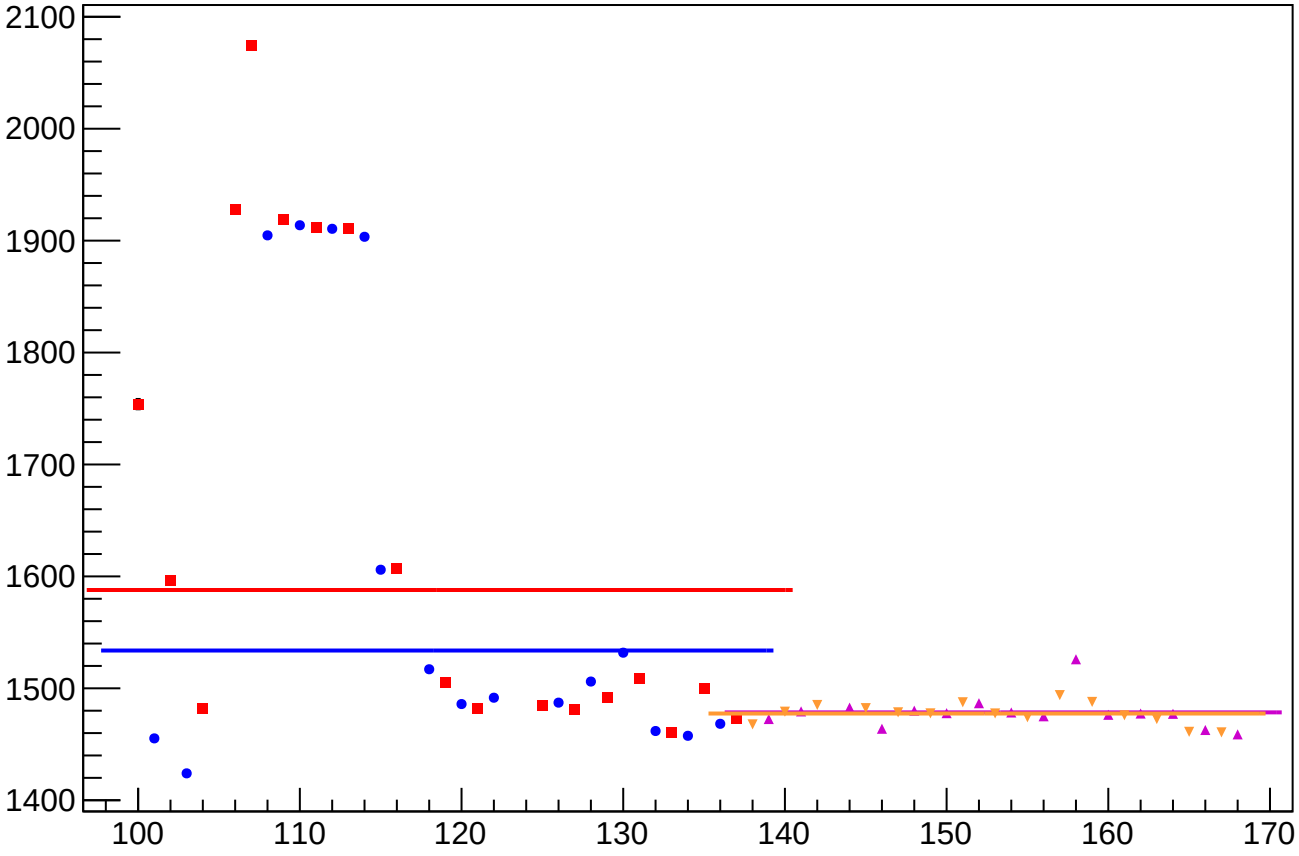
Left In: -1611.209+/-419.670 χ^2/NDF:22.8/14

+ sign 1878.782+/-343.610 χ^2/NDF: 23.4/30

All: 110.702+/-242.370 χ^2/NDF: 115.1/63

- sign -1640.048+/-341.922 χ^2/NDF: 38.9/32

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.482+/-0.304 χ^2/NDF:872.8/14

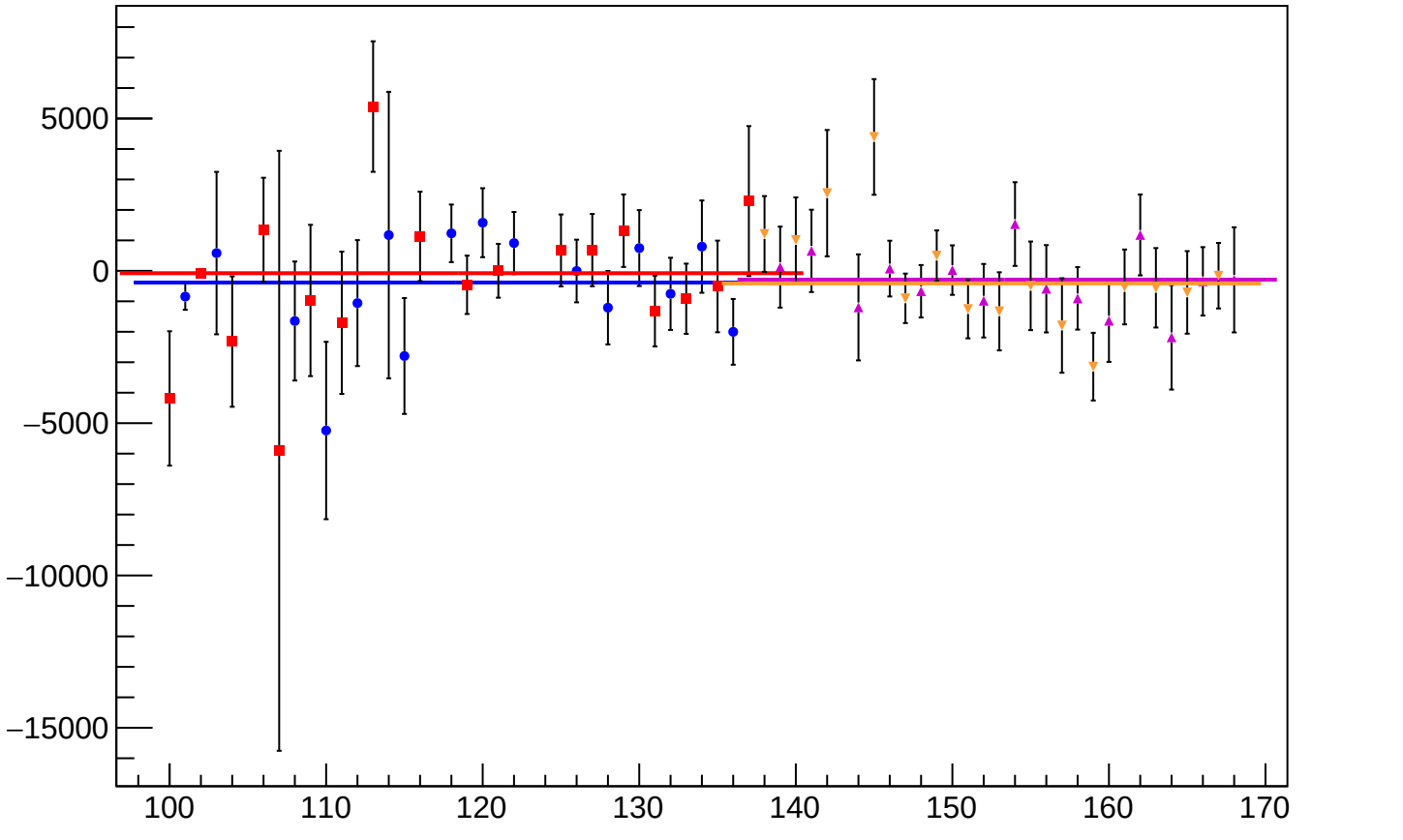
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1478.509+/-0.297 χ^2/NDF:2446.0/14

+ sign 1497.777+/-0.243 χ^2/NDF: 142518.6/30

All: 1506.566+/-0.171 χ^2/NDF: 366975.2/63

- sign 1515.268+/-0.242 χ^2/NDF: 221852.8/32



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -412.614+/-305.757 χ^2/NDF:21.0/14

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

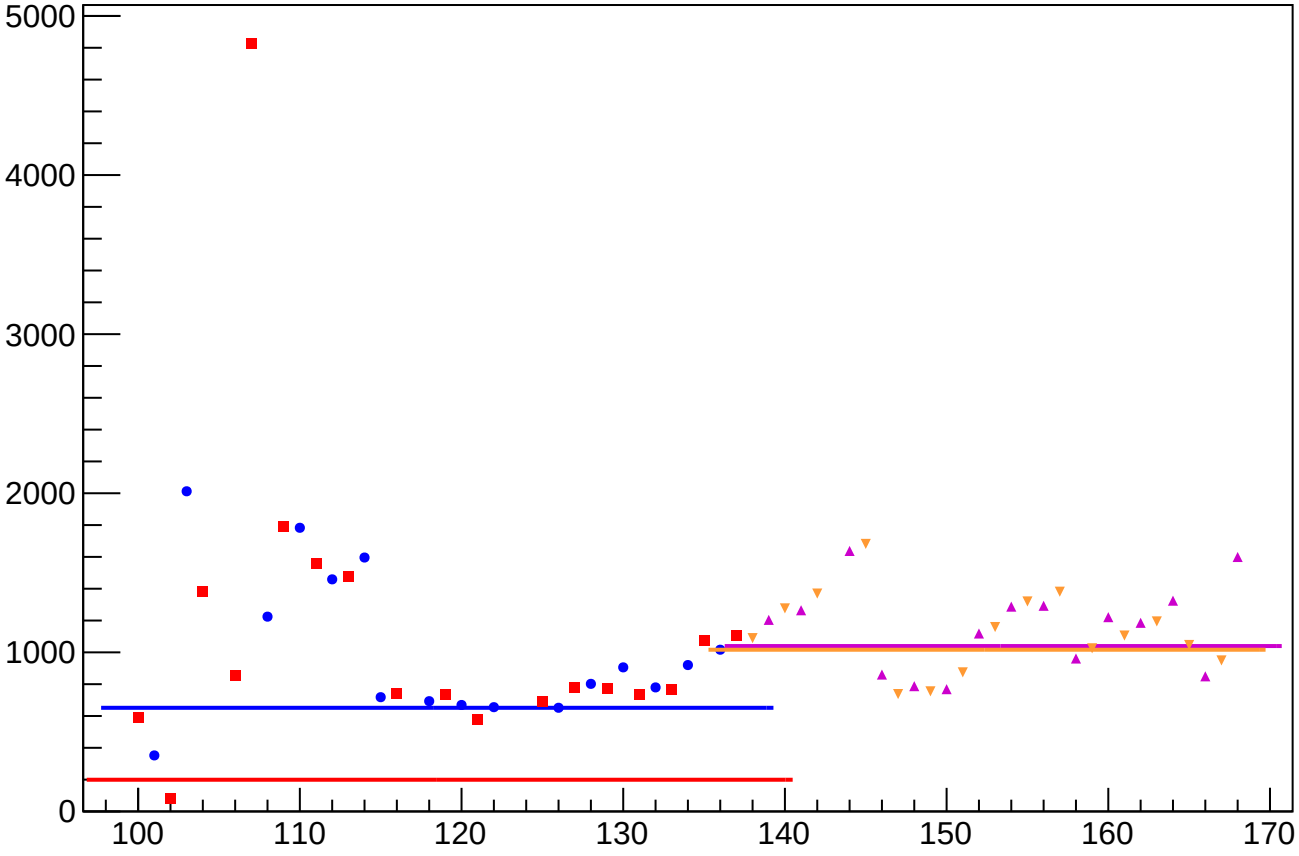
Left In: -288.305+/-305.155 χ^2/NDF:7.3/14

+ sign -395.960+/-203.311 χ^2/NDF: 39.2/30

All: -191.186+/-107.004 χ^2/NDF: 66.8/63

- sign -112.732+/-125.844 χ^2/NDF: 26.2/32

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1016.423+/-0.216 χ^2/NDF:1137980.6/14

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

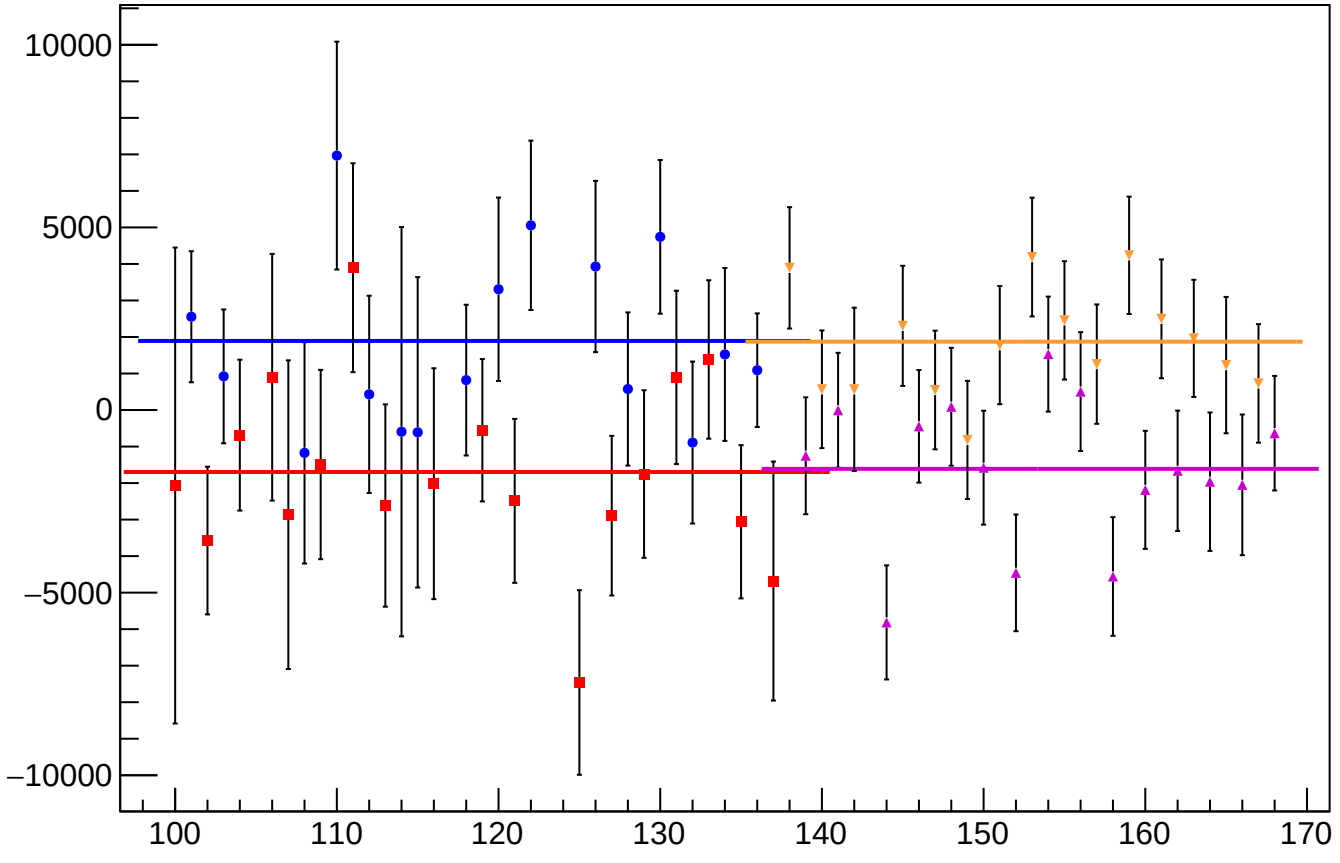
Left In: 1039.671+/-0.216 χ^2/NDF:1323792.0/14

+ sign 812.862+/-0.144 χ^2/NDF: 5489742.5/30

All: 472.614+/-0.076 χ^2/NDF: 36432994.1/63

- sign 342.257+/-0.089 χ^2/NDF: 23195779.5/32

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1871.577+/-429.699 χ^2/NDF:11.2/14

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

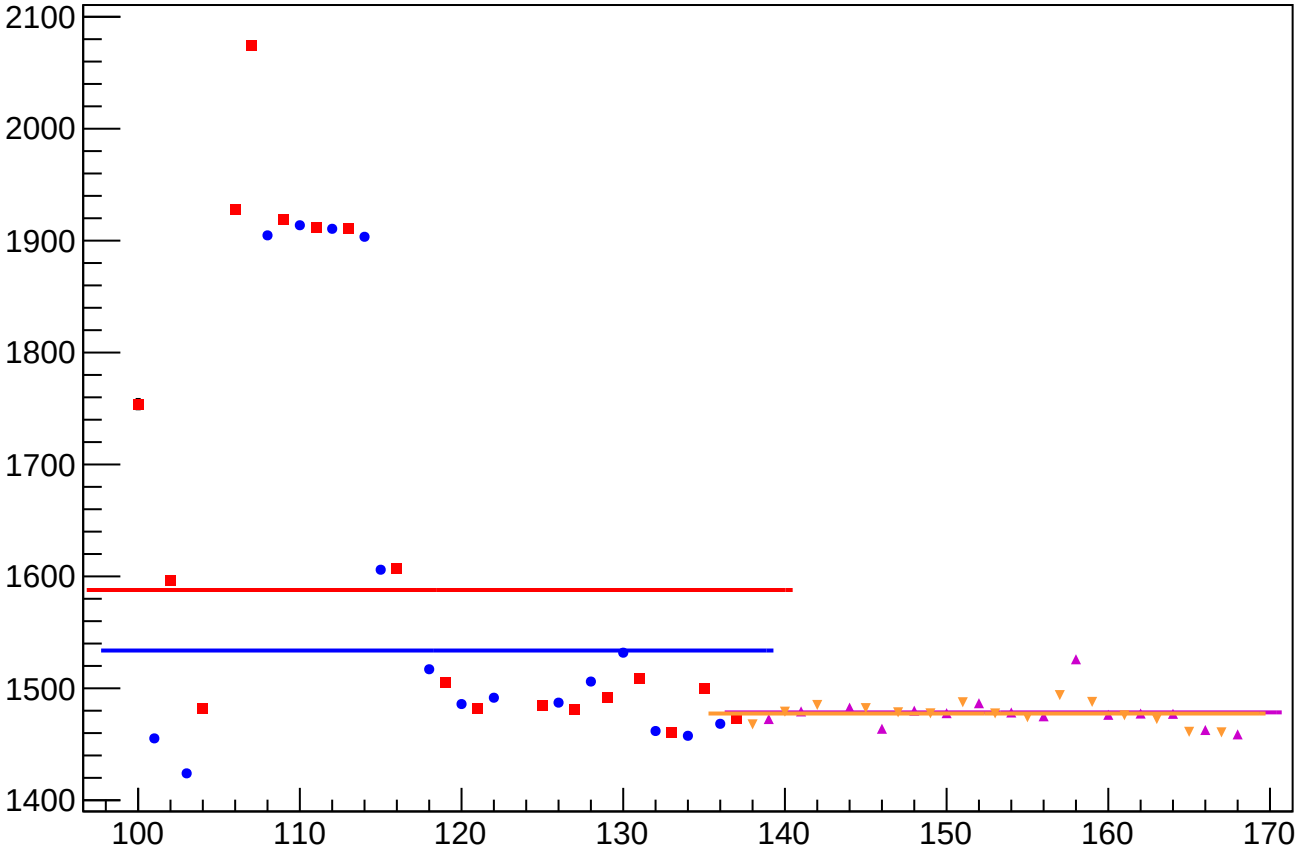
Left In: -1611.209+/-419.670 χ^2/NDF:22.8/14

+ sign 1878.782+/-343.610 χ^2/NDF: 23.4/30

All: 110.702+/-242.370 χ^2/NDF: 115.1/63

- sign -1640.048+/-341.922 χ^2/NDF: 38.9/32

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.482+/-0.304 χ^2/NDF:872.8/14

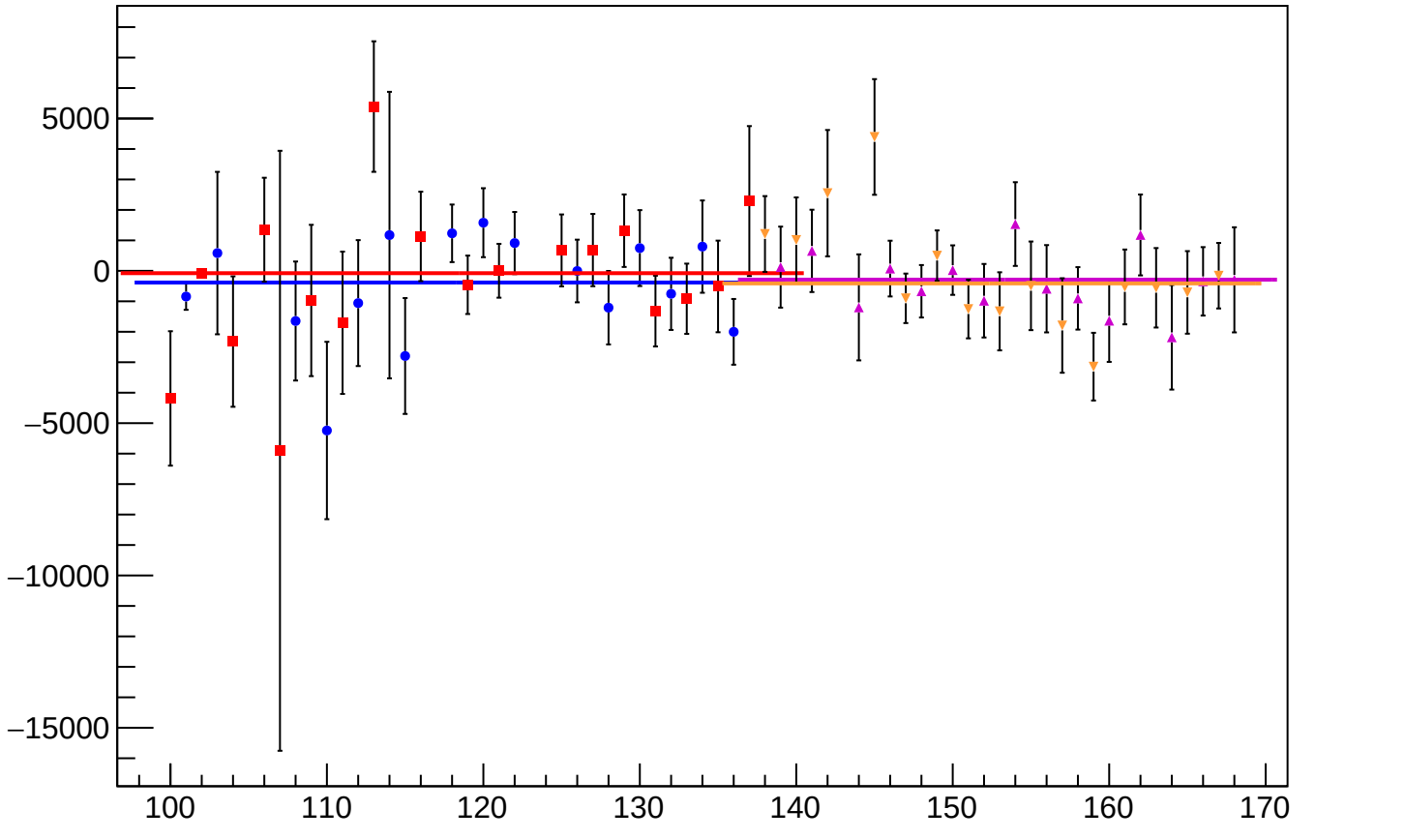
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1478.509+/-0.297 χ^2/NDF:2446.0/14

+ sign 1497.777+/-0.243 χ^2/NDF: 142518.6/30

All: 1506.566+/-0.171 χ^2/NDF: 366975.2/63

- sign 1515.268+/-0.242 χ^2/NDF: 221852.8/32



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -412.614+/-305.757 χ^2/NDF:21.0/14

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

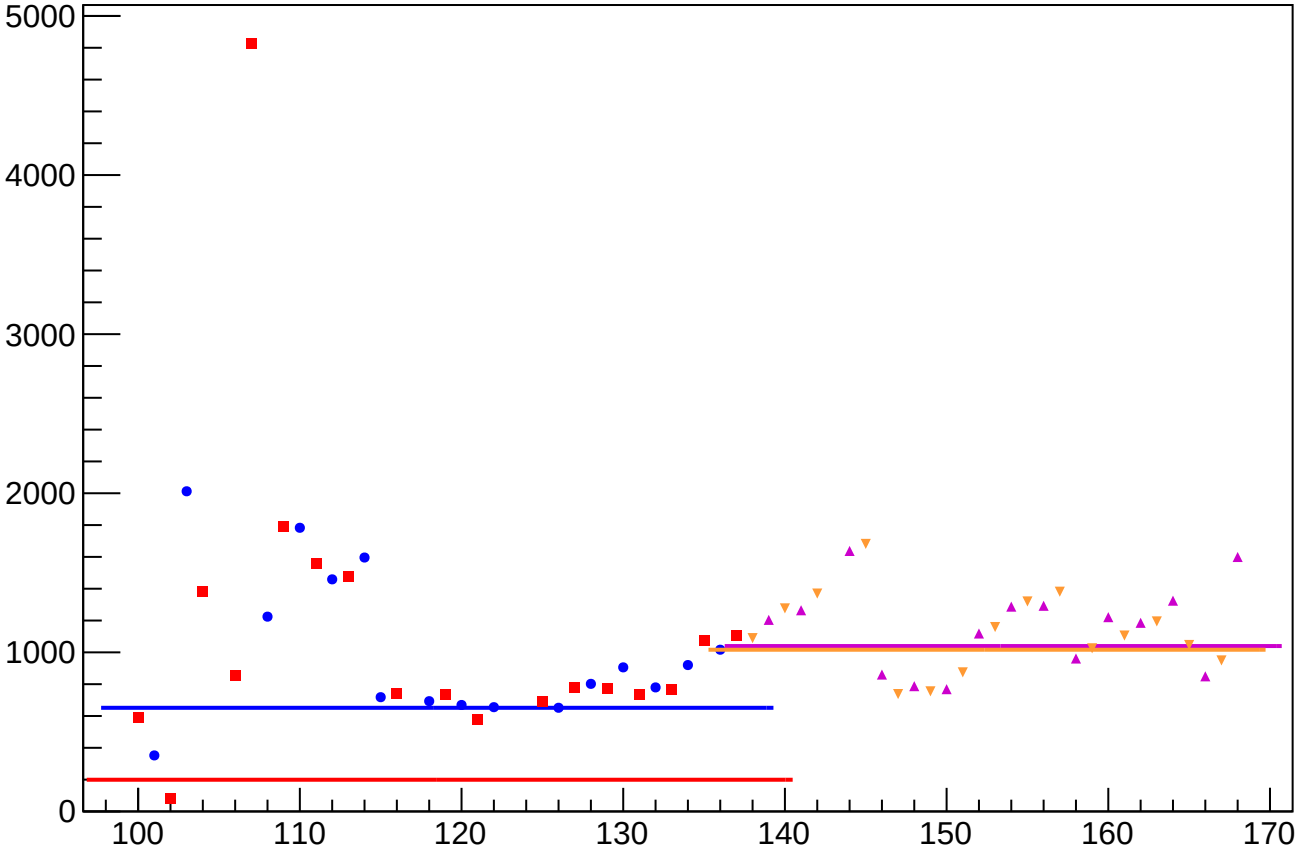
Left In: -288.305+/-305.155 χ^2/NDF:7.3/14

+ sign -395.960+/-203.311 χ^2/NDF: 39.2/30

All: -191.186+/-107.004 χ^2/NDF: 66.8/63

- sign -112.732+/-125.844 χ^2/NDF: 26.2/32

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1016.423+/-0.216 χ^2/NDF:1137980.6/14

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

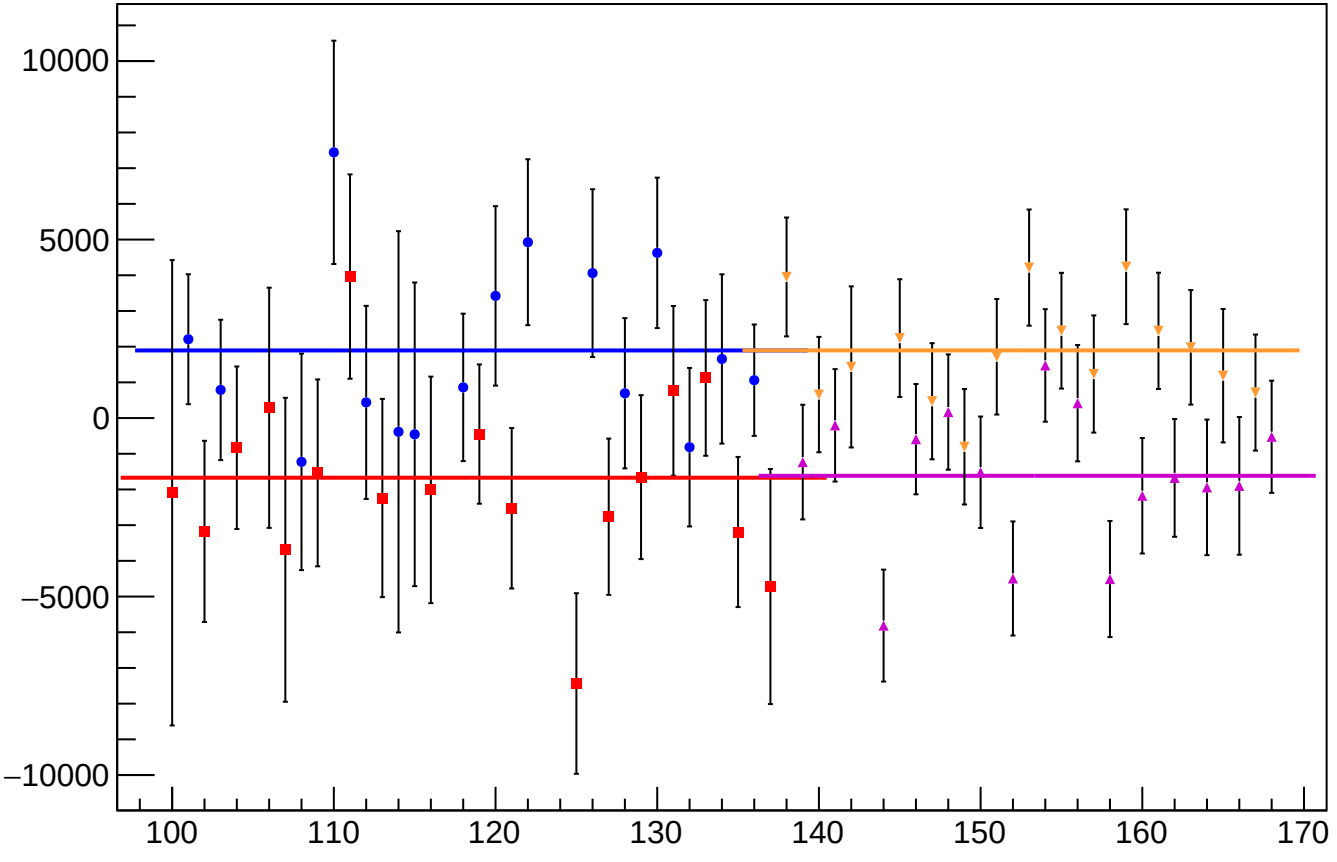
Left In: 1039.671+/-0.216 χ^2/NDF:1323792.0/14

+ sign 812.862+/-0.144 χ^2/NDF: 5489742.5/30

All: 472.614+/-0.076 χ^2/NDF: 36432994.1/63

- sign 342.257+/-0.089 χ^2/NDF: 23195779.5/32

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1895.725+/-430.496 χ^2/NDF:11.0/14

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

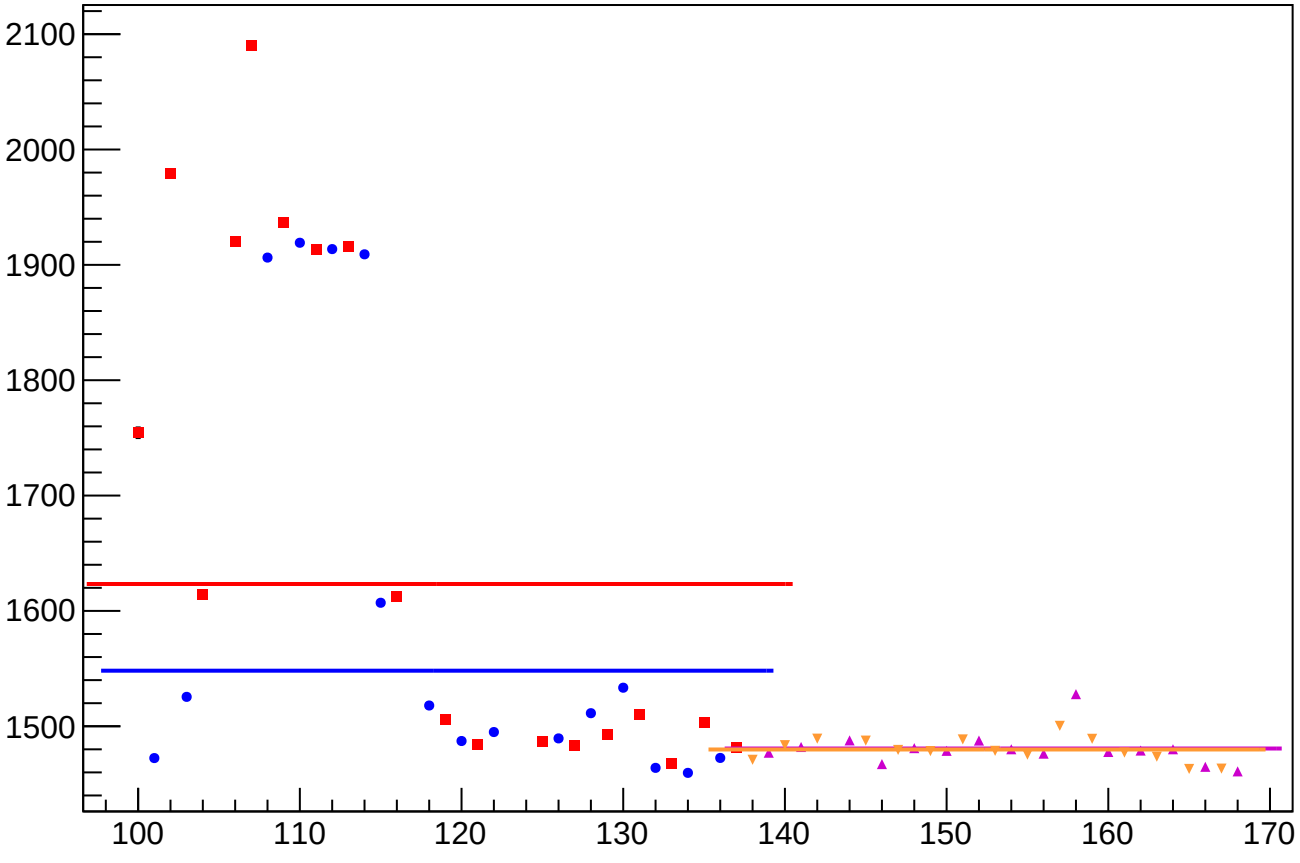
Left In: -1617.306+/-420.299 χ^2/NDF:22.2/14

+ sign 1895.170+/-345.177 χ^2/NDF: 23.3/30

All: 130.051+/-244.067 χ^2/NDF: 112.8/63

- sign -1634.769+/-345.148 χ^2/NDF: 37.2/32

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1479.862+/-0.304 χ^2/NDF:1007.6/14

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

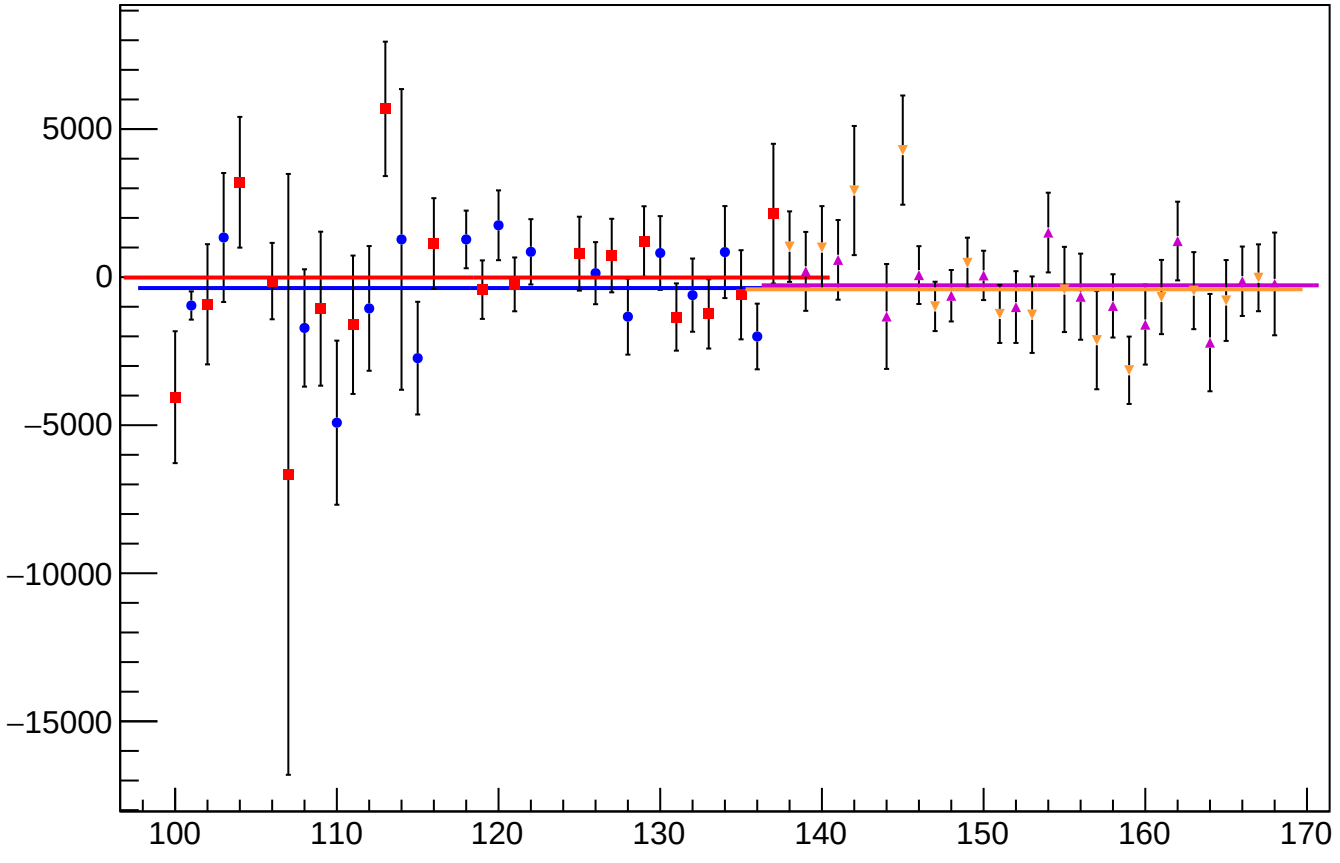
Left In: 1480.705+/-0.297 χ^2/NDF:2403.2/14

+ sign 1504.256+/-0.244 χ^2/NDF: 138896.3/30

All: 1515.703+/-0.173 χ^2/NDF: 432229.2/63

- sign 1527.149+/-0.244 χ^2/NDF: 288933.8/32

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -410.382+/-310.811 χ^2/NDF:21.1/14

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

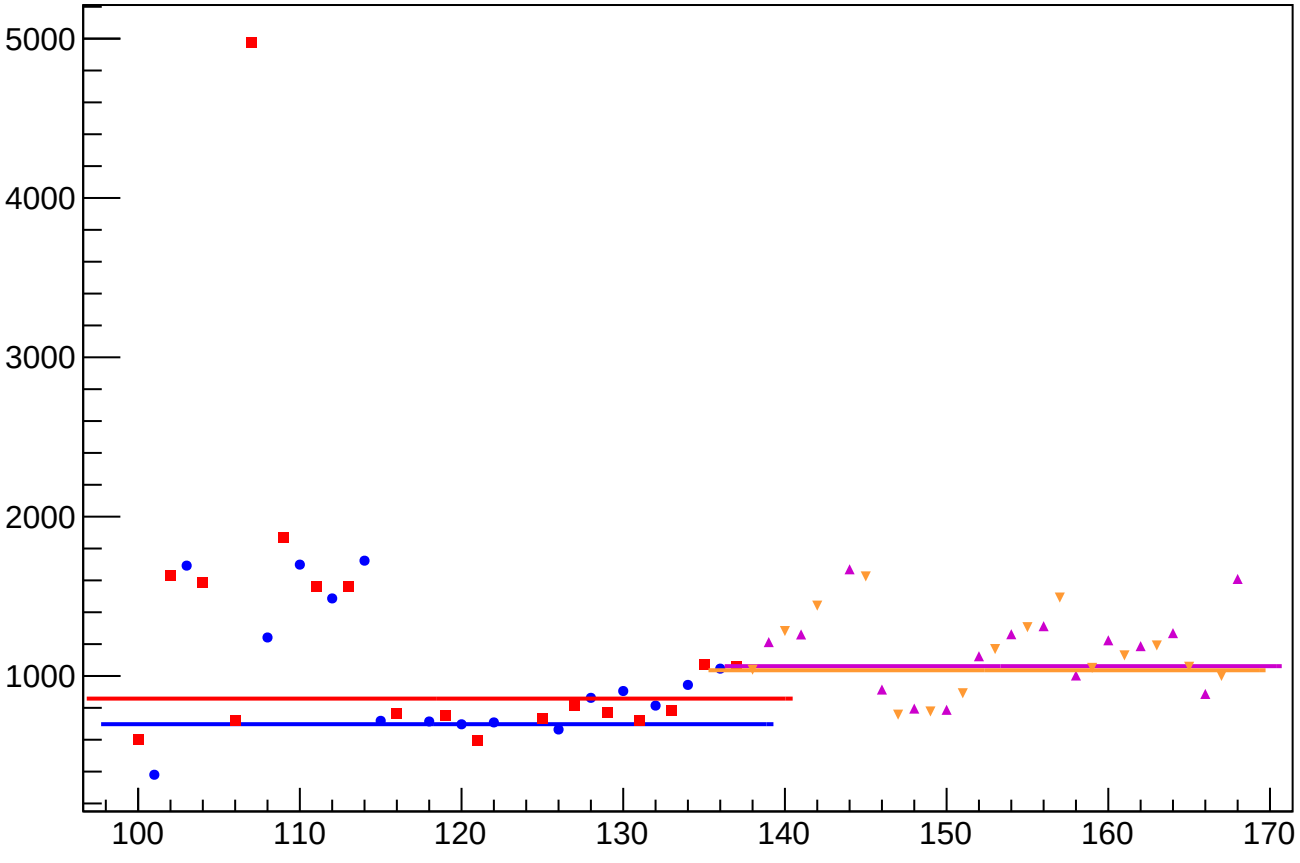
Left In: -276.501+/-310.419 χ^2/NDF:7.6/14

+ sign -387.857+/-210.688 χ^2/NDF: 40.0/30

All: -282.682+/-155.273 χ^2/NDF: 67.6/63

- sign -157.641+/-229.724 χ^2/NDF: 27.0/32

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1035.931+/-0.220 χ^2/NDF:1072659.7/14

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

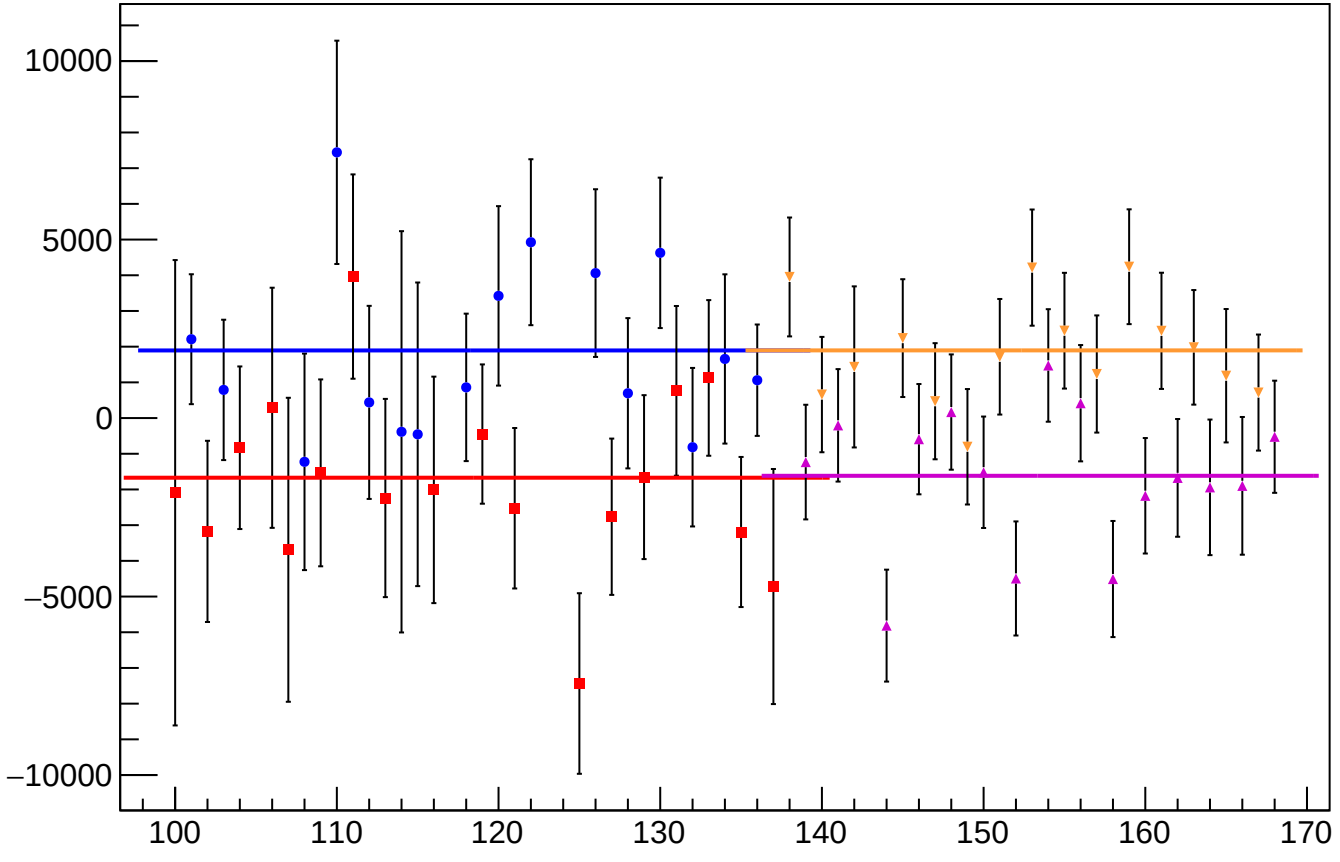
Left In: 1061.711+/-0.219 χ^2/NDF:1191698.7/14

+ sign 853.018+/-0.149 χ^2/NDF: 4789799.1/30

All: 906.283+/-0.110 χ^2/NDF: 8532711.1/63

- sign 969.609+/-0.162 χ^2/NDF: 3463100.5/32

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1895.723+/-430.496 χ^2/NDF:11.0/14

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

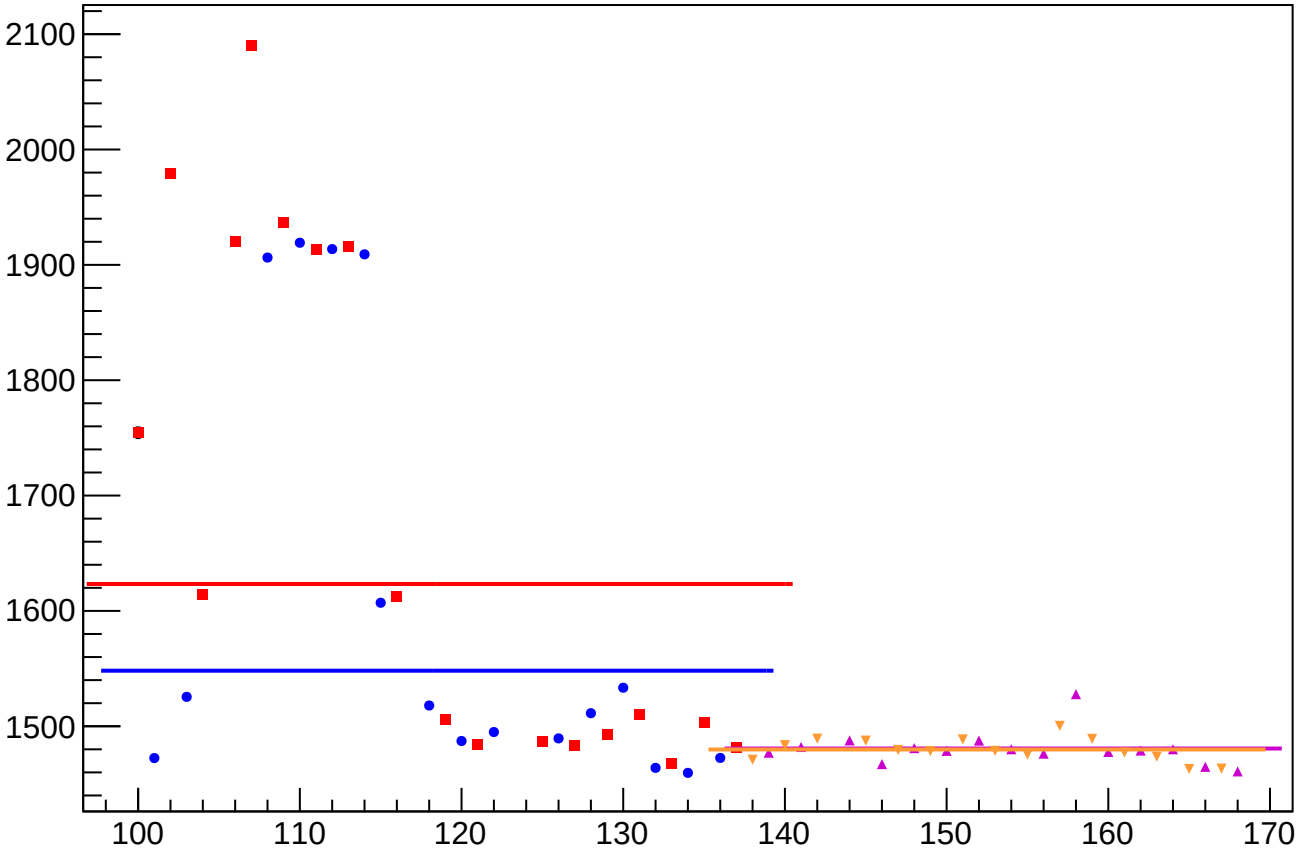
Left In: -1617.307+/-420.299 χ^2/NDF:22.2/14

+ sign 1895.168+/-345.177 χ^2/NDF: 23.3/30

All: 130.049+/-244.067 χ^2/NDF: 112.8/63

- sign -1634.769+/-345.148 χ^2/NDF: 37.2/32

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1479.862+/-0.304 χ^2/NDF:1007.6/14

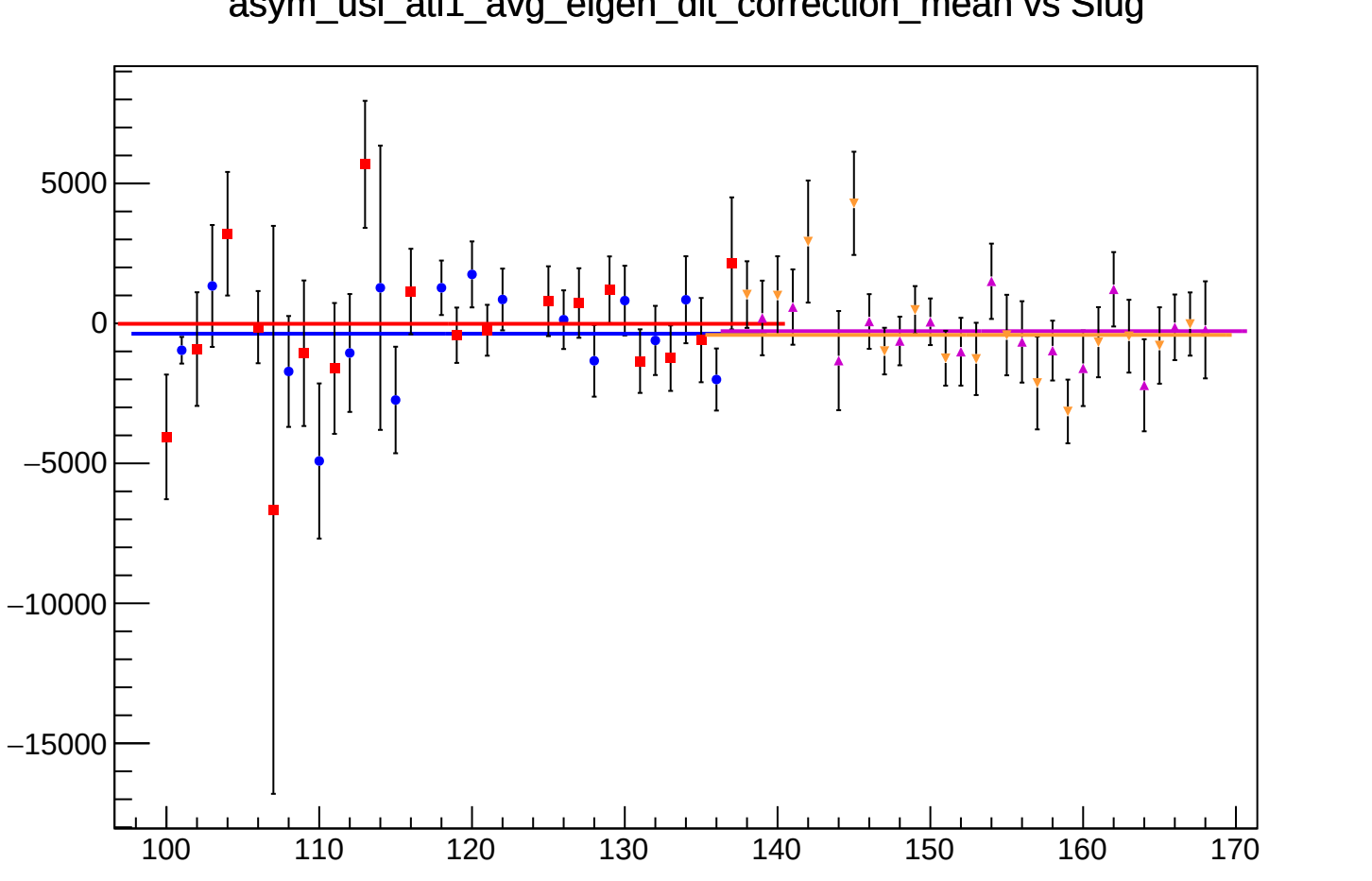
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1480.705+/-0.297 χ^2/NDF:2403.2/14

+ sign 1504.256+/-0.244 χ^2/NDF: 138896.2/30

All: 1515.703+/-0.173 χ^2/NDF: 432228.6/63

- sign 1527.149+/-0.244 χ^2/NDF: 288933.3/32



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -410.385+/-310.812 χ^2/NDF:21.1/14

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

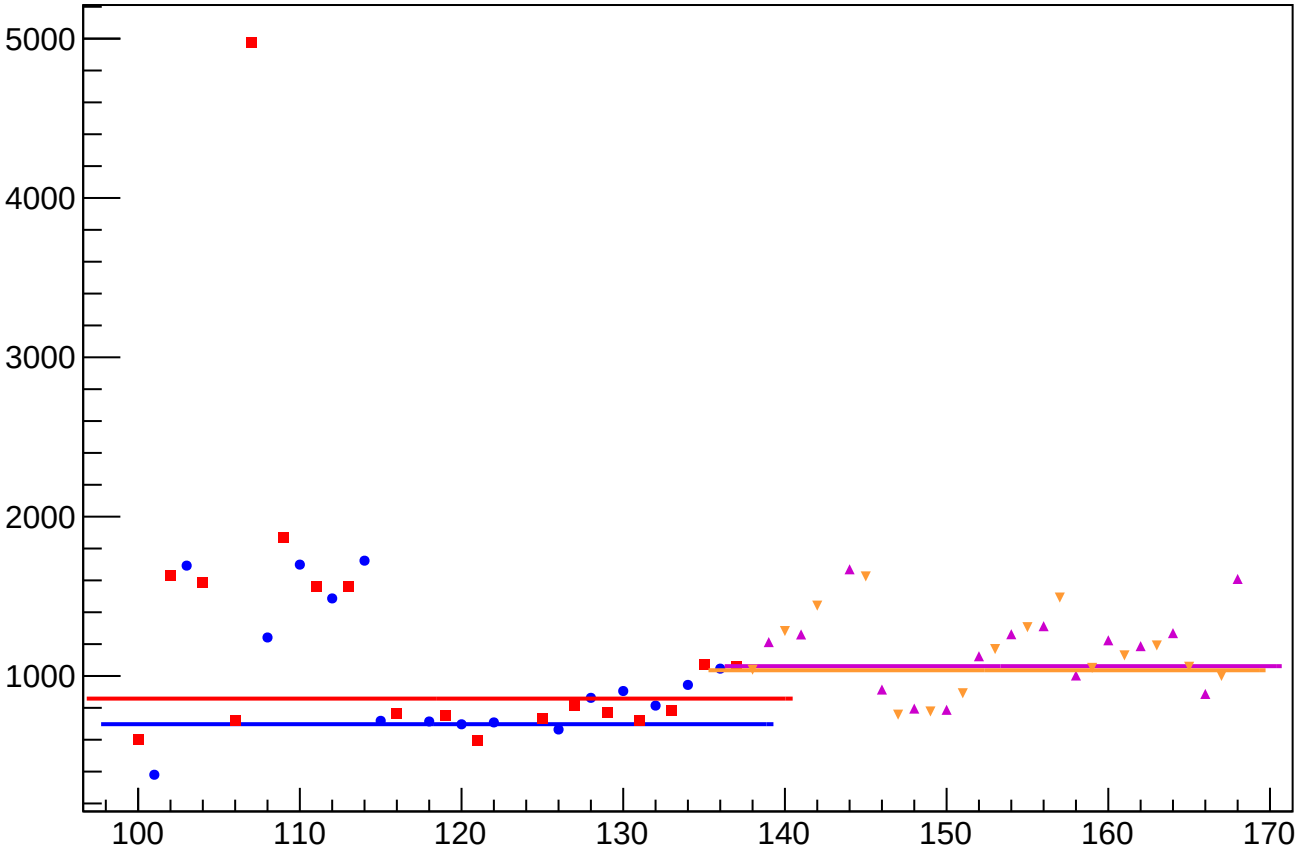
Left In: -276.501+/-310.419 χ^2/NDF:7.6/14

\+ sign -387.858+/-210.688 χ^2/NDF: 40.0/30

All: -282.682+/-155.273 χ^2/NDF: 67.6/63

\- sign -157.641+/-229.724 χ^2/NDF: 27.0/32

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1035.933+/-0.220 χ^2/NDF:1072657.5/14

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

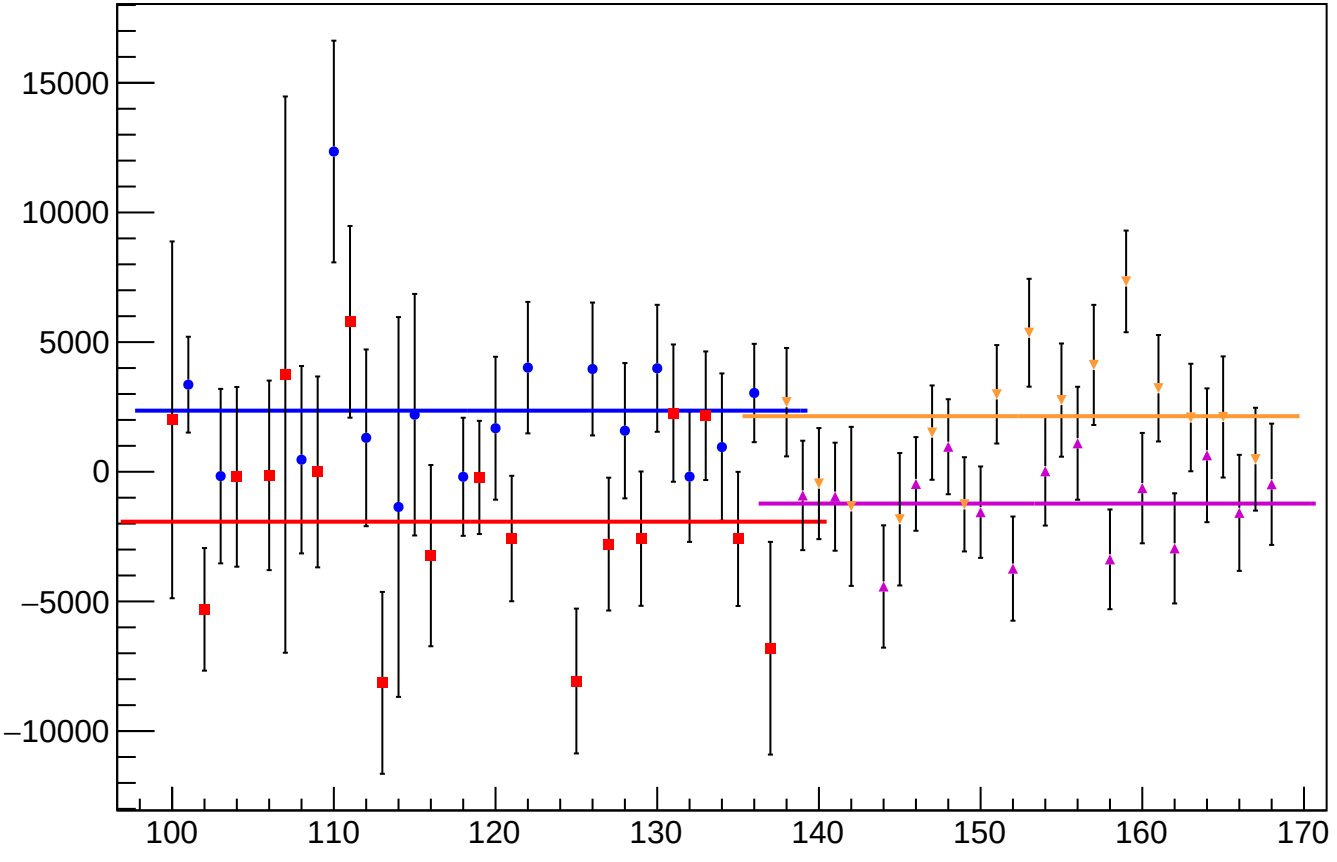
Left In: 1061.713+/-0.219 χ^2/NDF:1191694.6/14

+ sign 853.018+/-0.149 χ^2/NDF: 4789800.3/30

All: 906.284+/-0.110 χ^2/NDF: 8532727.5/63

- sign 969.609+/-0.162 χ^2/NDF: 3463118.9/32

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 2144.268+/-543.580 χ^2/NDF:20.3/14

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

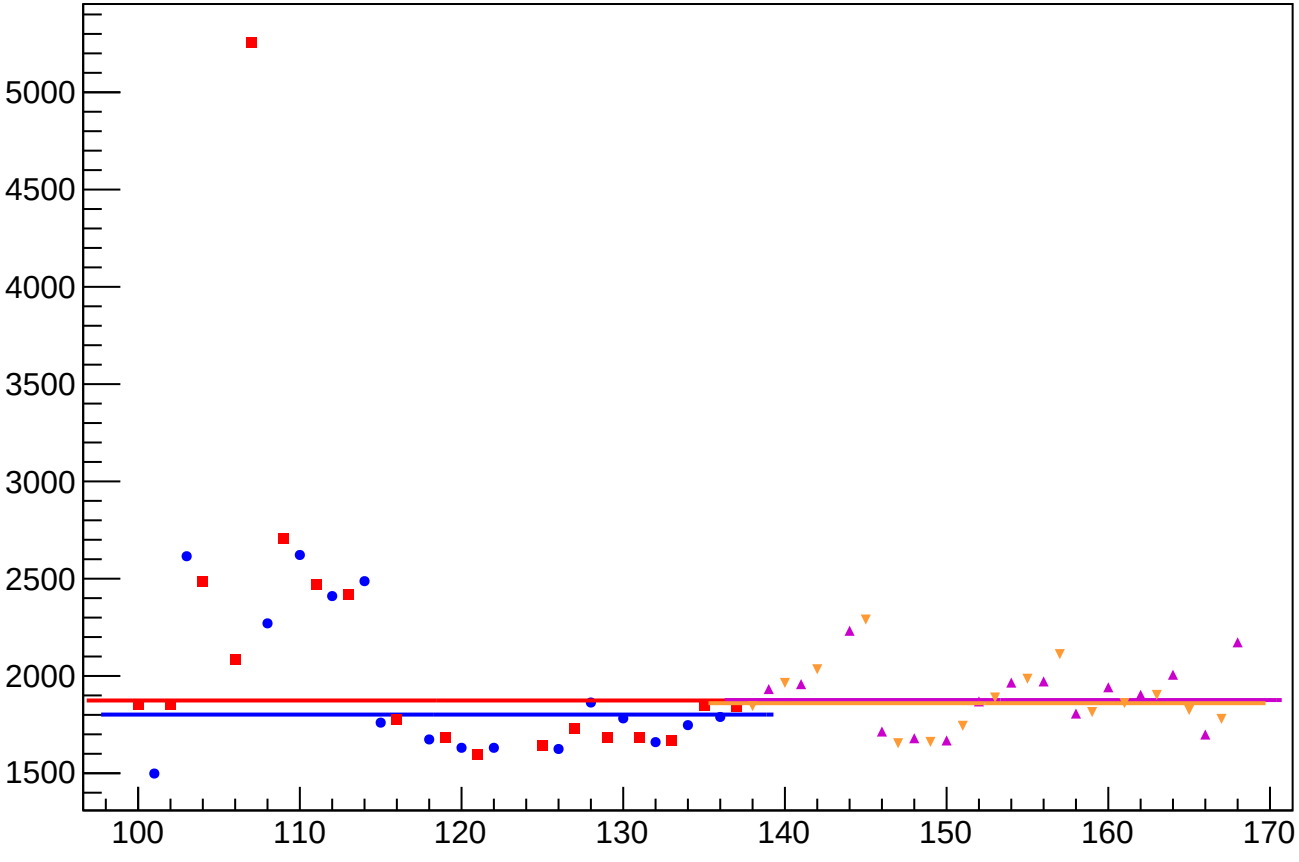
Left In: -1226.512+/-535.038 χ^2/NDF:9.2/14

+ sign 2227.364+/-424.335 χ^2/NDF: 31.4/30

All: 383.096+/-300.847 χ^2/NDF: 102.6/63

- sign -1480.892+/-426.598 χ^2/NDF: 33.3/32

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1860.075+/-0.384 χ^2/NDF:161394.7/14

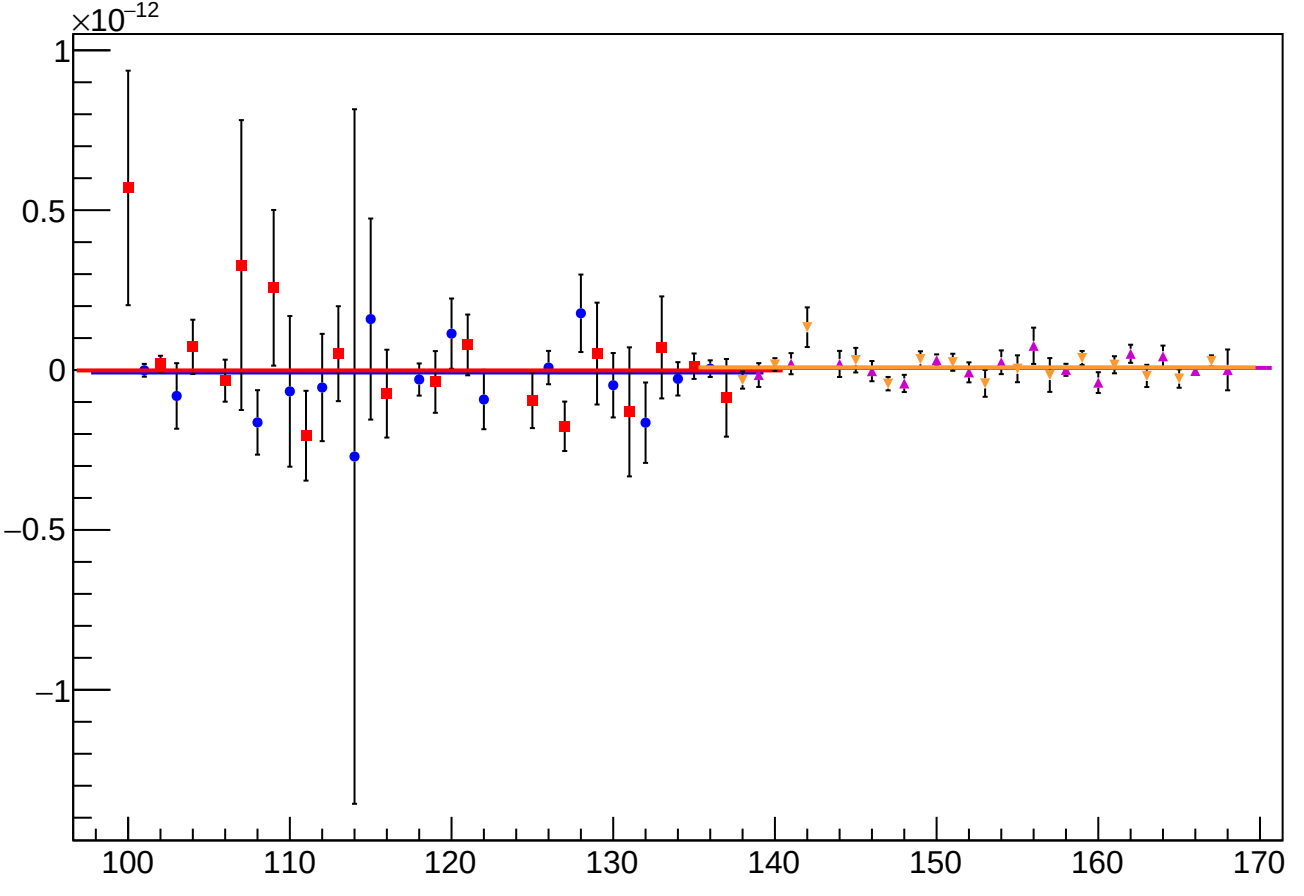
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1876.158+/-0.378 χ^2/NDF:179120.4/14

+ sign 1837.206+/-0.300 χ^2/NDF: 571159.7/30

All: 1856.183+/-0.213 χ^2/NDF: 1328244.5/63

- sign 1875.363+/-0.302 χ^2/NDF: 749041.5/32



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/14

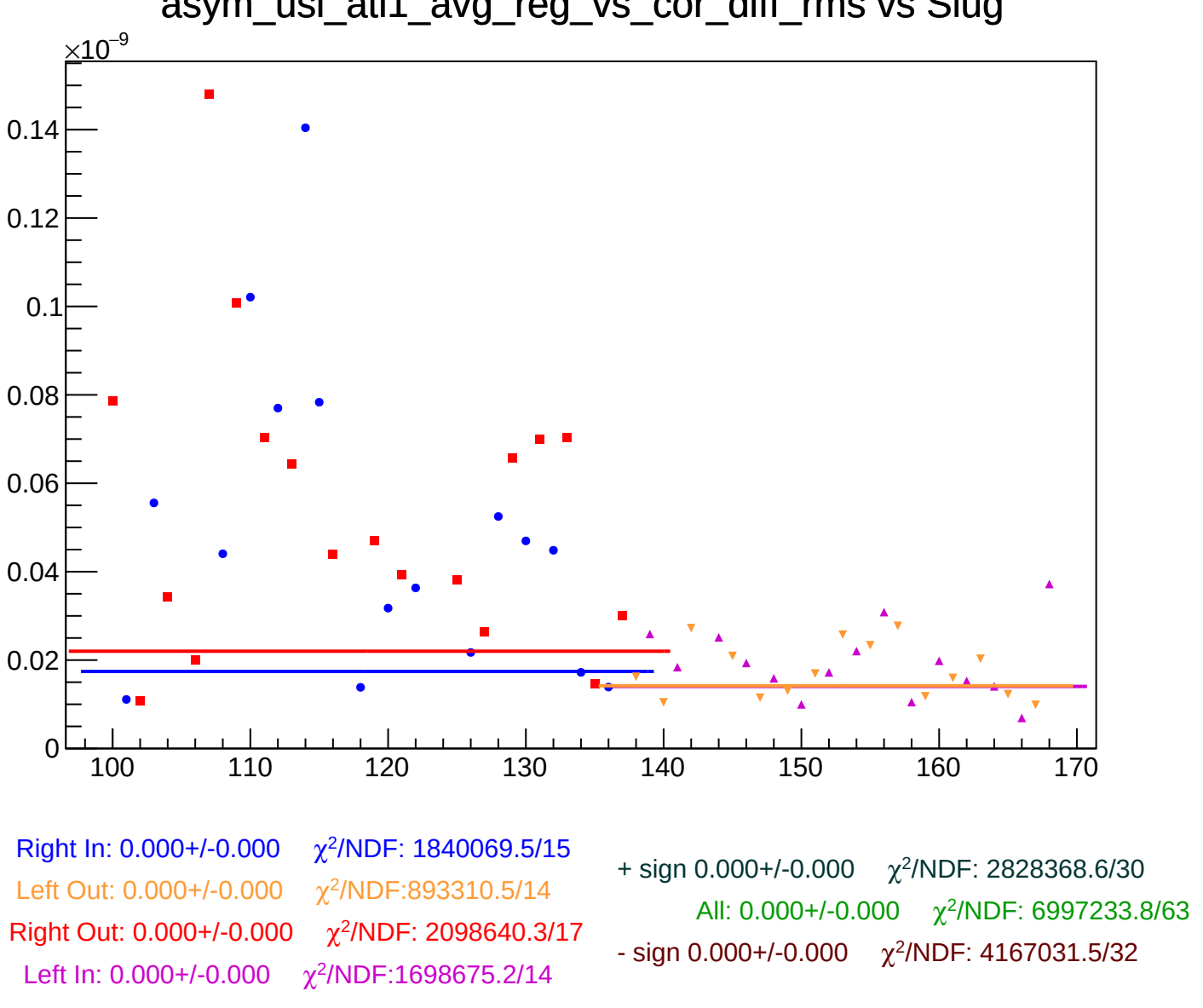
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:13.7/14

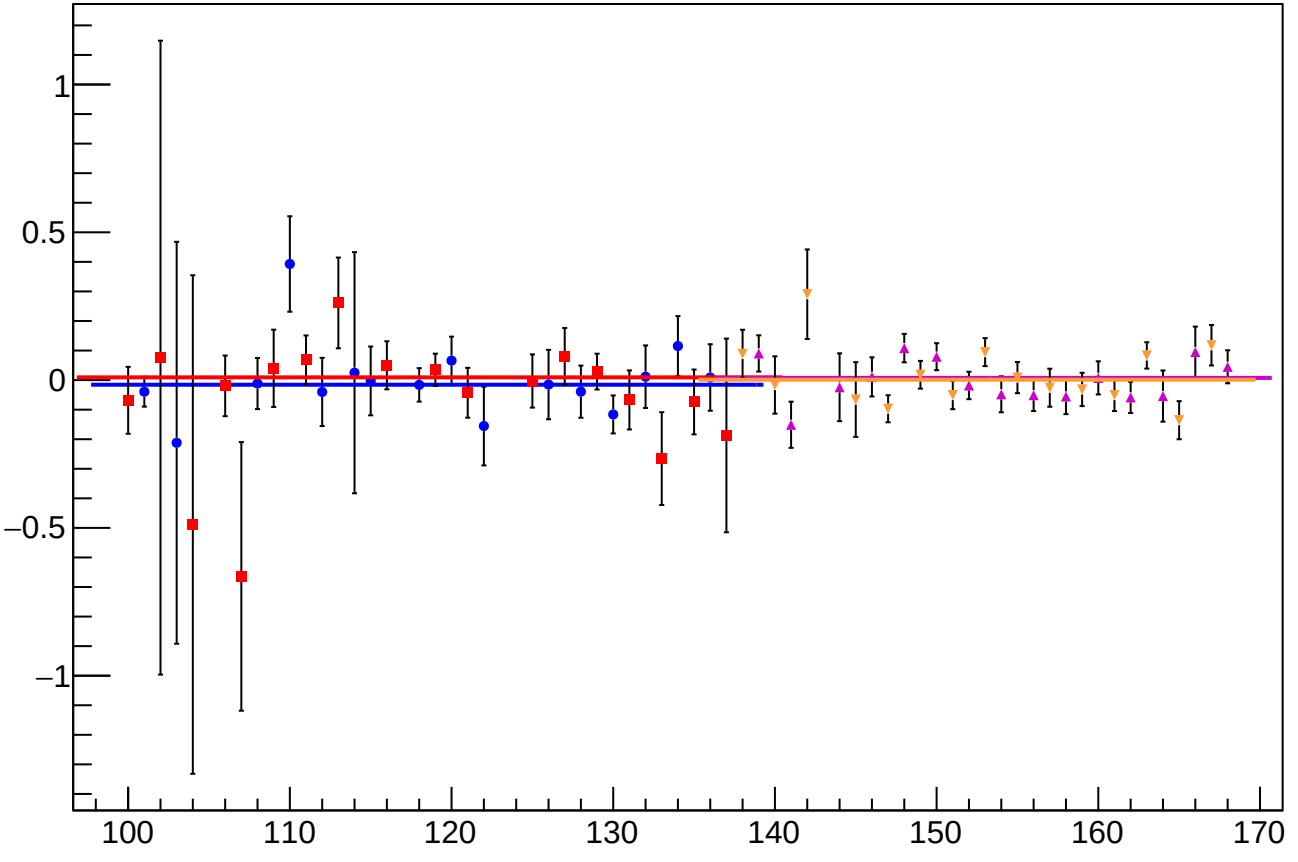
+ sign 0.000+/-0.000 χ^2/NDF: 32.5/30

All: 0.000+/-0.000 χ^2/NDF: 63.0/63

- sign 0.000+/-0.000 χ^2/NDF: 30.5/32


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:893310.5/14
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:1698675.2/14
+ sign 0.000+/-0.000 χ²/NDF: 2828368.6/30
All: 0.000+/-0.000 χ²/NDF: 6997233.8/63
- sign 0.000+/-0.000 χ²/NDF: 4167031.5/32

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: 0.001+/-0.015 χ^2/NDF:27.2/14

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

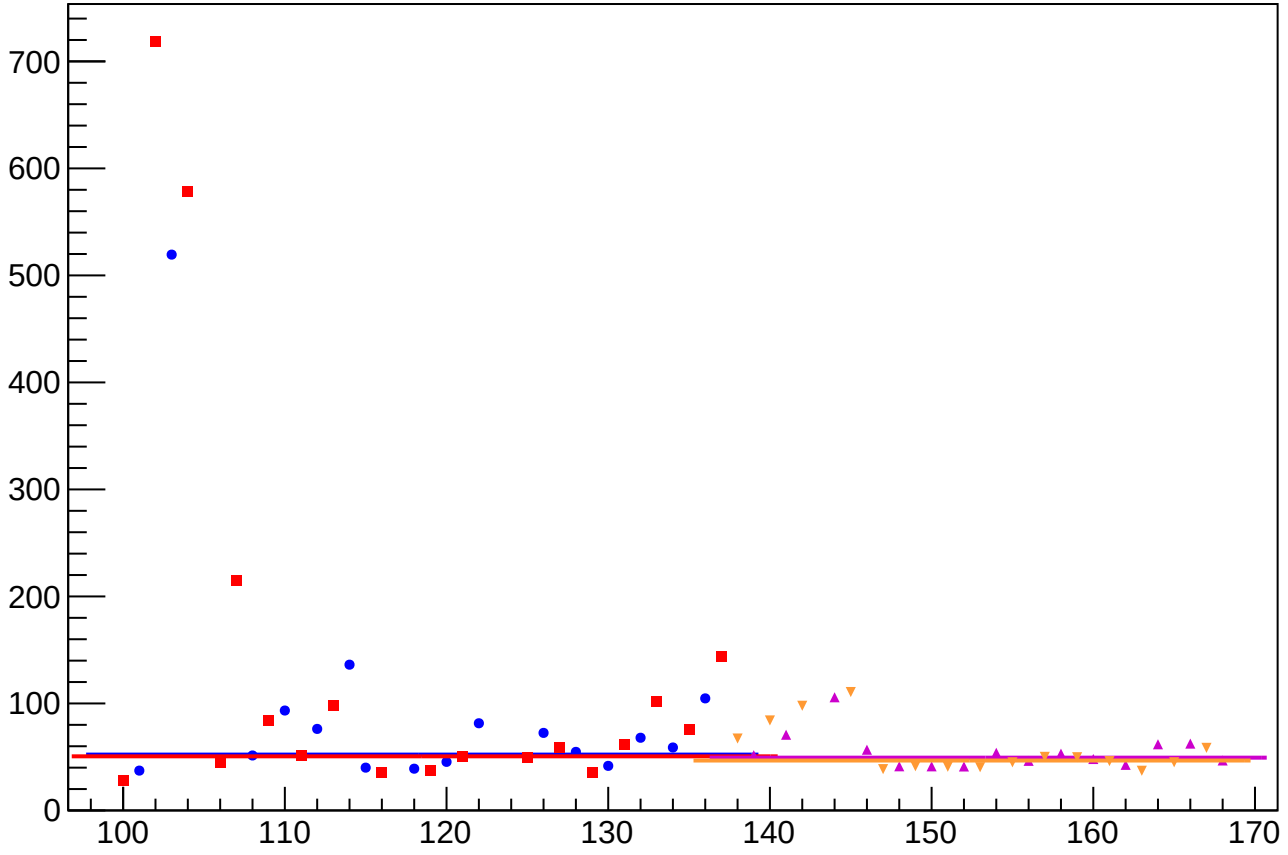
Left In: 0.007+/-0.015 χ^2/NDF:19.8/14

+ sign -0.004+/-0.013 χ^2/NDF: 40.8/30

All: 0.002+/-0.009 χ^2/NDF: 73.5/63

- sign 0.008+/-0.013 χ^2/NDF: 32.3/32

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: 46.666+/-0.011 χ^2/NDF:1485495.3/14

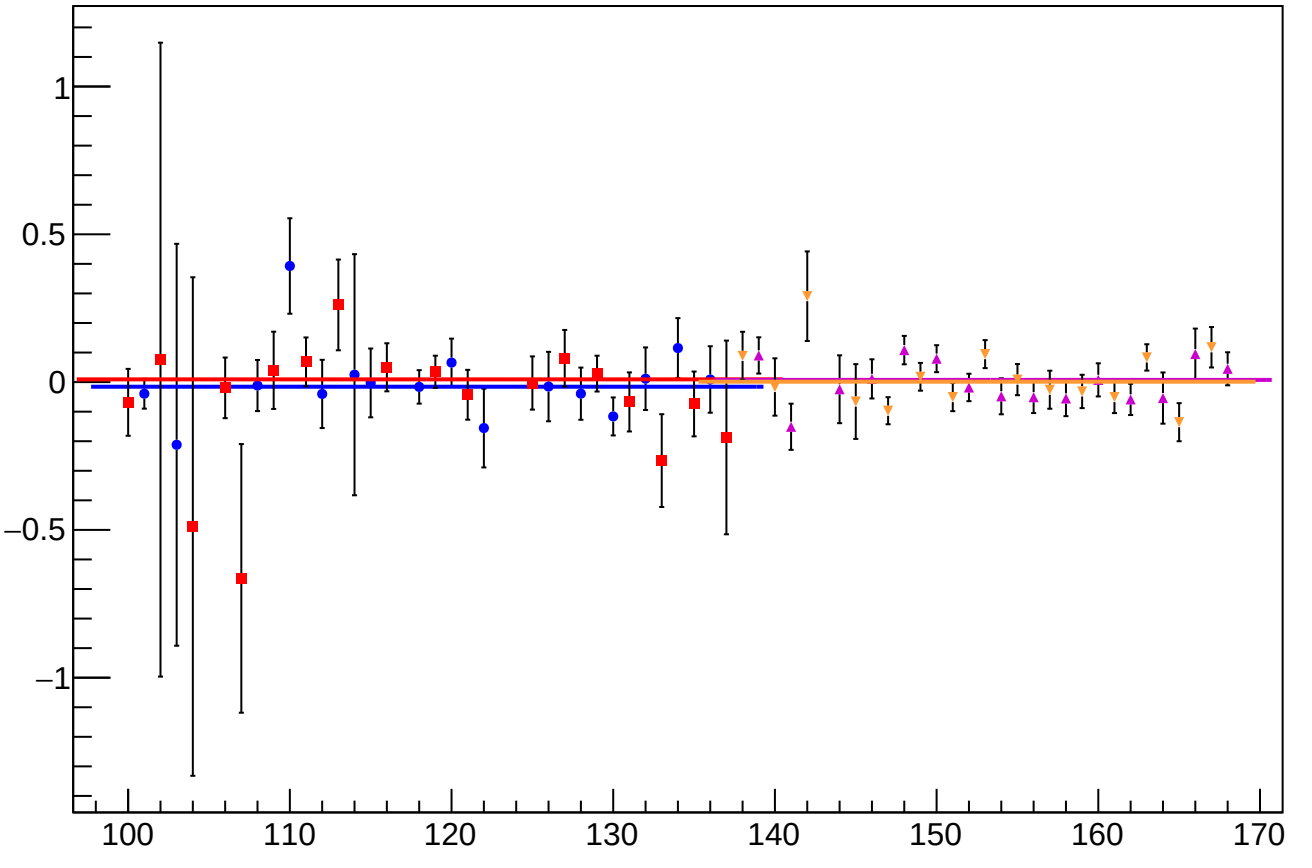
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.336+/-0.011 χ^2/NDF:994760.7/14

+ sign 48.365+/-0.009 χ^2/NDF: 3834879.3/30

All: 49.020+/-0.006 χ^2/NDF: 7896085.1/63

- sign 49.705+/-0.009 χ^2/NDF: 4050063.8/32



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.001+/-0.015 χ^2/NDF:27.2/14

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

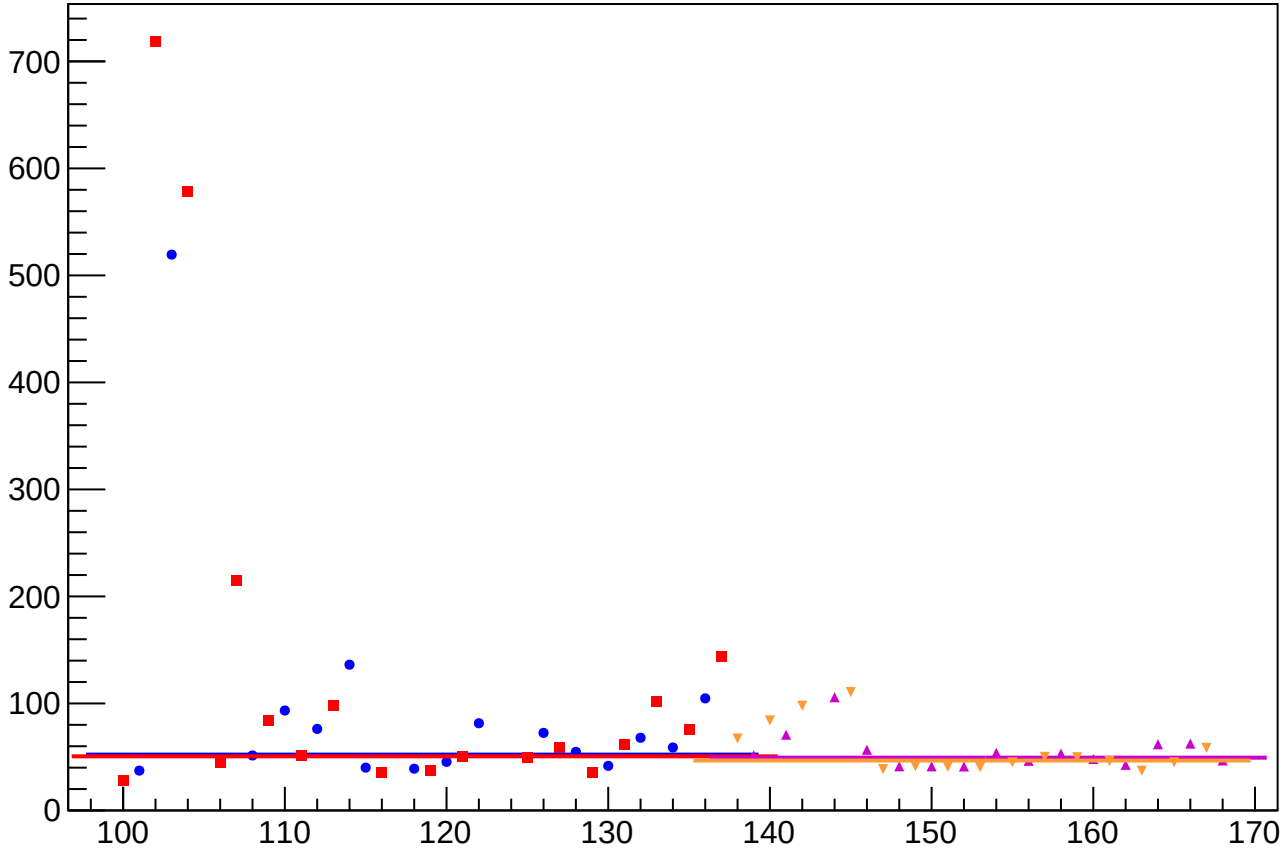
Left In: 0.007+/-0.015 χ^2/NDF:19.8/14

+ sign -0.004+/-0.013 χ^2/NDF: 40.8/30

All: 0.002+/-0.009 χ^2/NDF: 73.5/63

- sign 0.008+/-0.013 χ^2/NDF: 32.3/32

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.666+/-0.011 χ^2/NDF:1485495.3/14

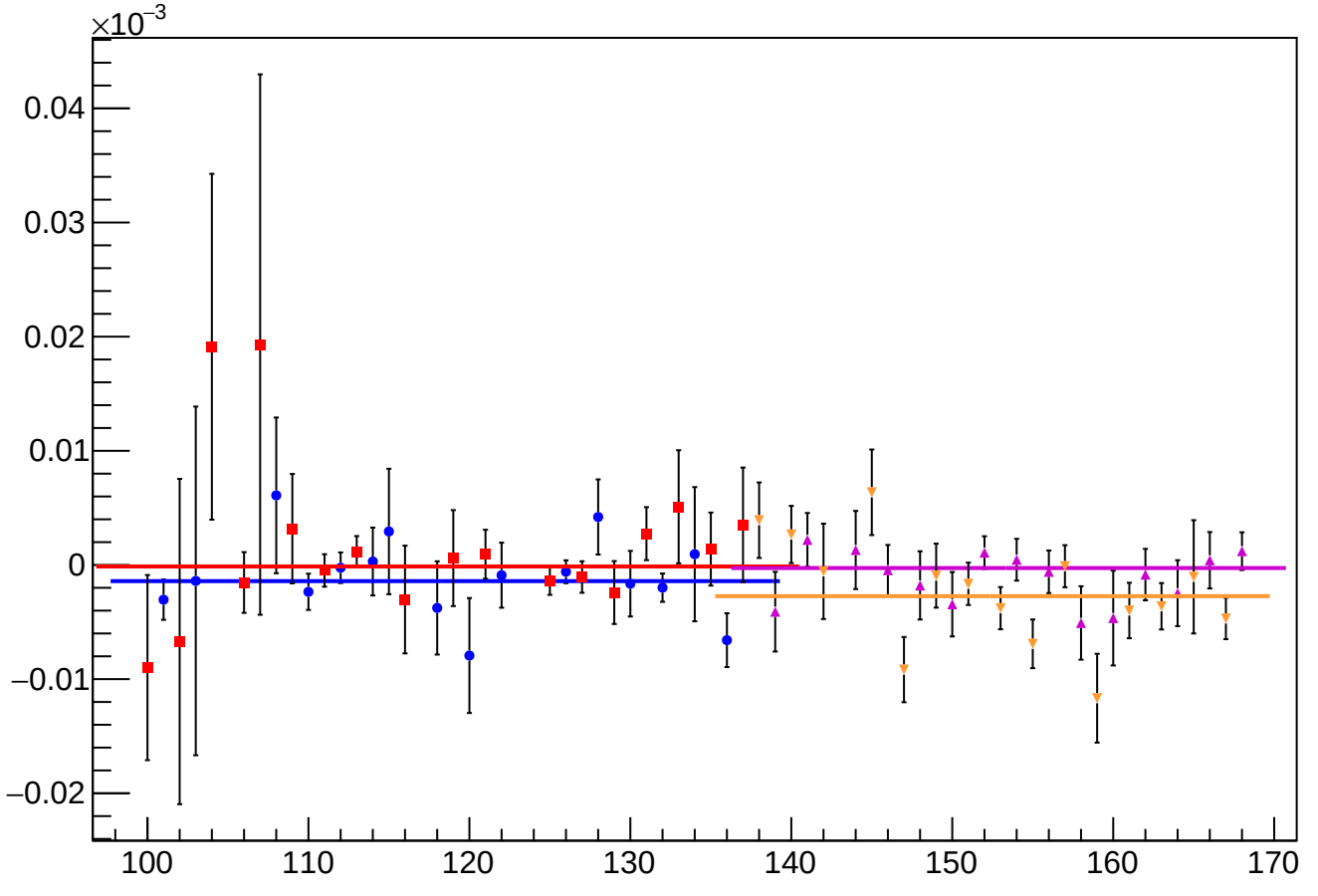
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.336+/-0.011 χ^2/NDF:994760.7/14

+ sign 48.365+/-0.009 χ^2/NDF: 3834879.3/30

All: 49.020+/-0.006 χ^2/NDF: 7896085.1/63

- sign 49.705+/-0.009 χ^2/NDF: 4050063.8/32



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.9/14

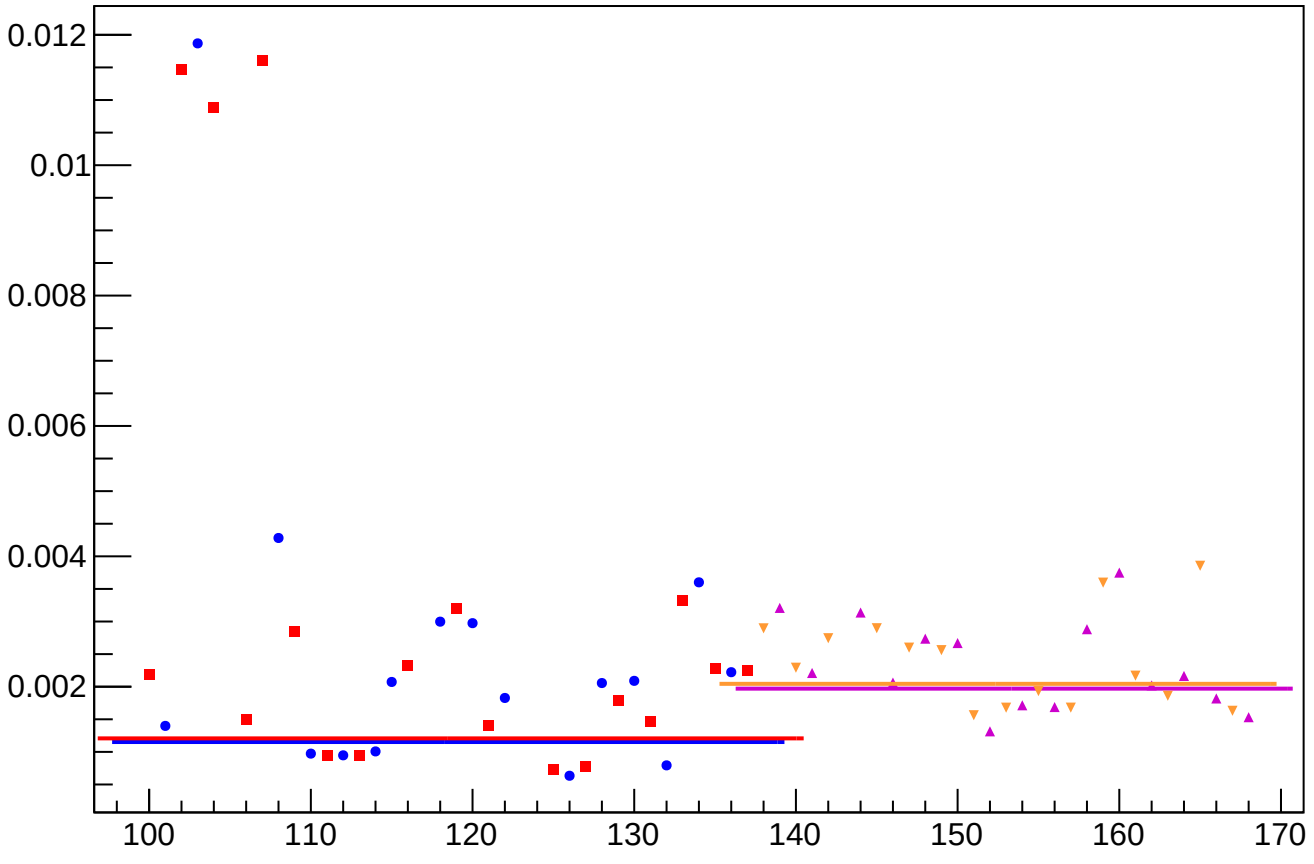
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: -0.000+/-0.000 χ^2/NDF:10.0/14

+ sign -0.000+/-0.000 χ^2/NDF: 51.5/30

All: -0.000+/-0.000 χ^2/NDF: 82.6/63

- sign -0.000+/-0.000 χ^2/NDF: 21.6/32



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1463450.1/14

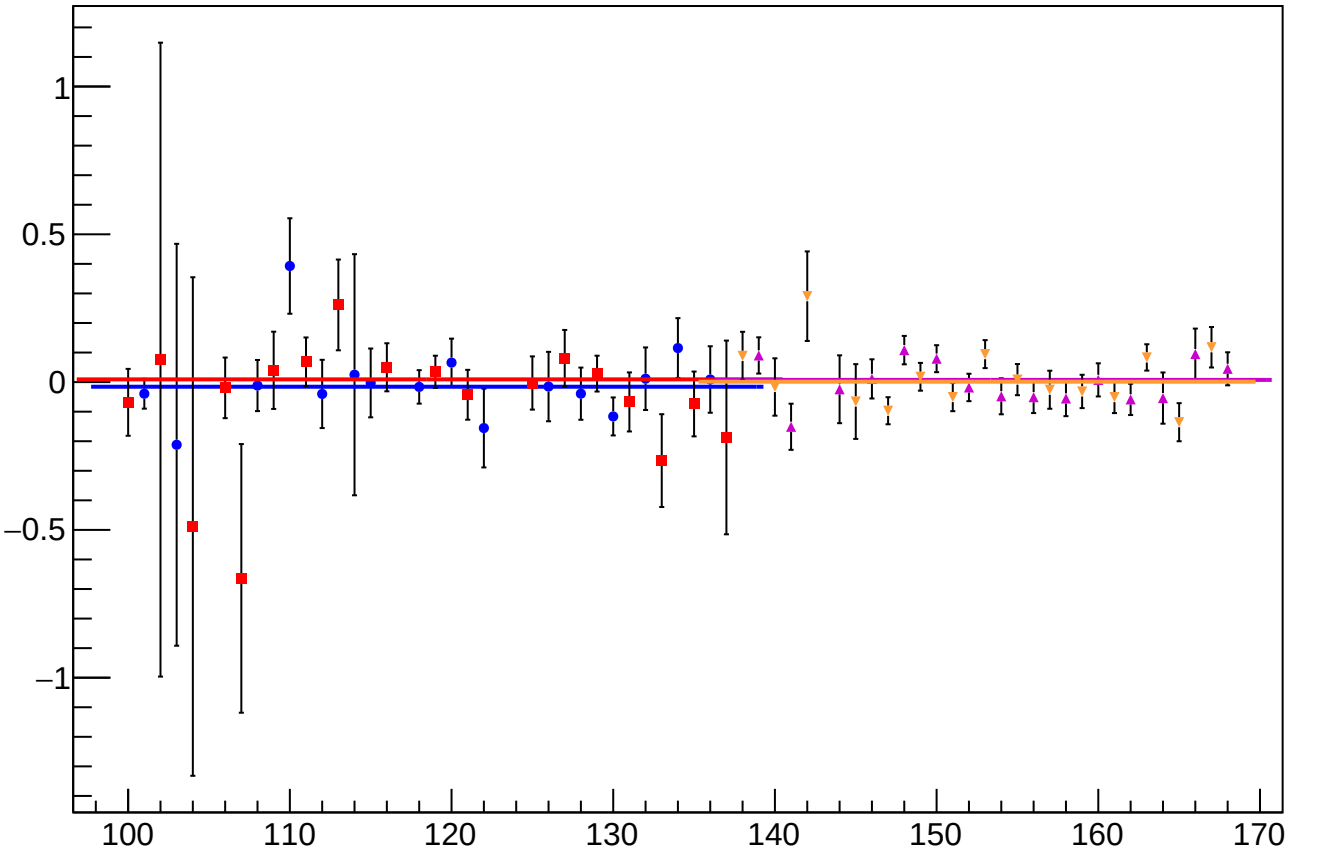
Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1952572.6/14

+ sign 0.002+/-0.000 χ^2/NDF: 8066748.9/30

All: 0.002+/-0.000 χ^2/NDF: 16324870.7/63

- sign 0.002+/-0.000 χ^2/NDF: 8240694.1/32



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.001+/-0.015 χ^2/NDF:27.2/14

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

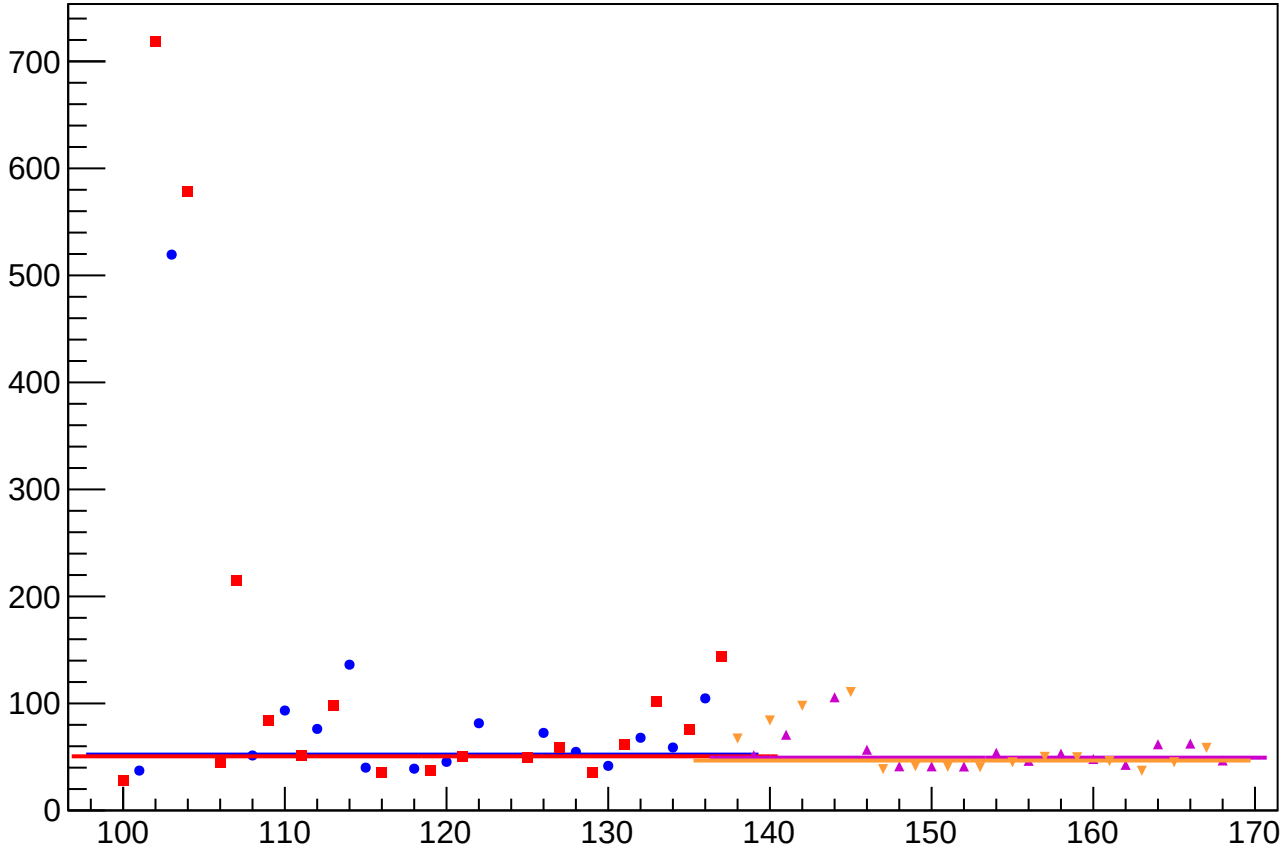
Left In: 0.007+/-0.015 χ^2/NDF:19.8/14

+ sign -0.004+/-0.013 χ^2/NDF: 40.8/30

All: 0.002+/-0.009 χ^2/NDF: 73.5/63

- sign 0.008+/-0.013 χ^2/NDF: 32.3/32

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: 46.666+/-0.011 χ^2/NDF:1485482.6/14

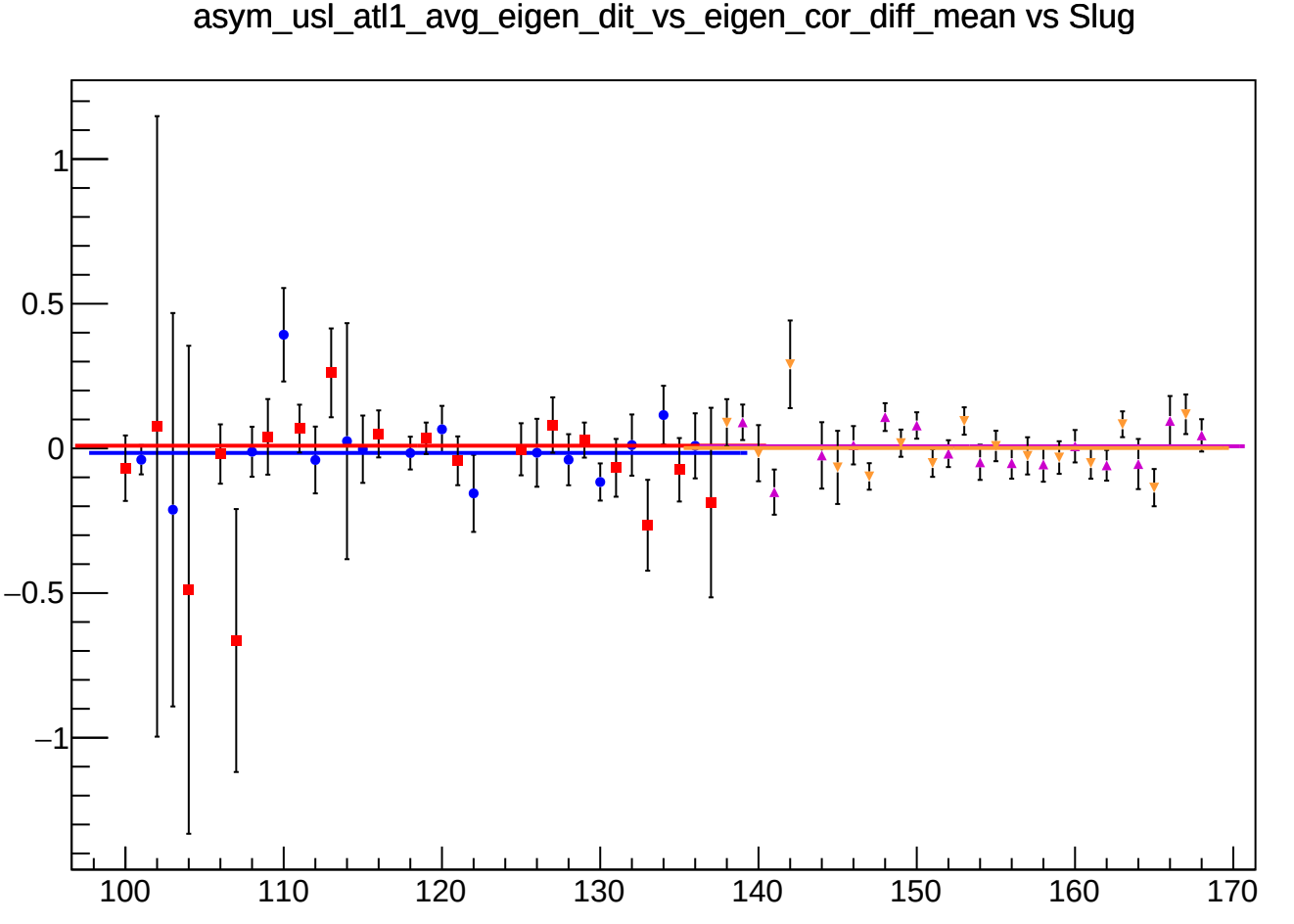
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.336+/-0.011 χ^2/NDF:994766.9/14

+ sign 48.365+/-0.009 χ^2/NDF: 3834851.6/30

All: 49.020+/-0.006 χ^2/NDF: 7896044.1/63

- sign 49.705+/-0.009 χ^2/NDF: 4050053.1/32



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.001+/-0.015 χ^2/NDF:27.2/14

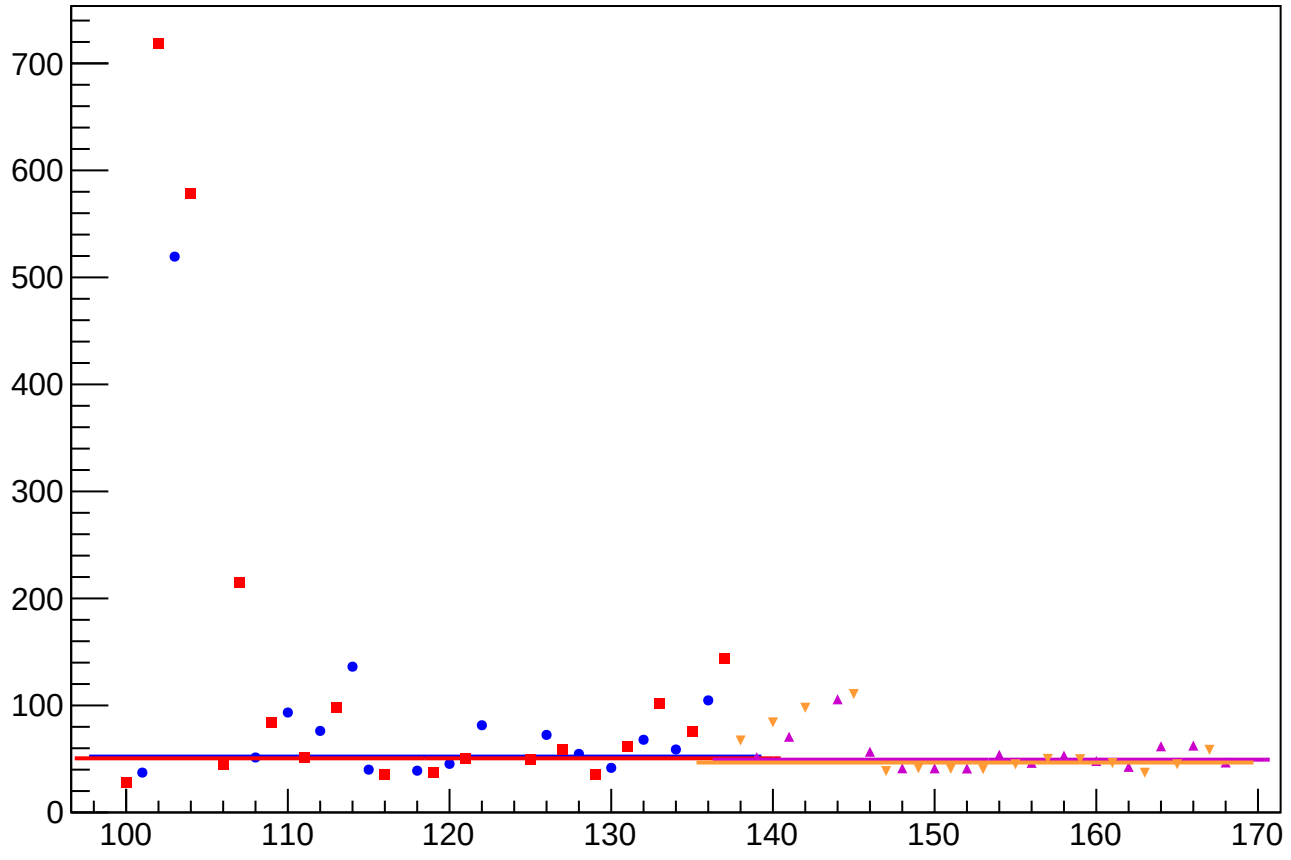
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.007+/-0.015 χ^2/NDF:19.8/14

+ sign -0.004+/-0.013 χ^2/NDF: 40.8/30

All: 0.002+/-0.009 χ^2/NDF: 73.5/63

- sign 0.008+/-0.013 χ^2/NDF: 32.3/32



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.666+/-0.011 χ^2/NDF:1485482.6/14

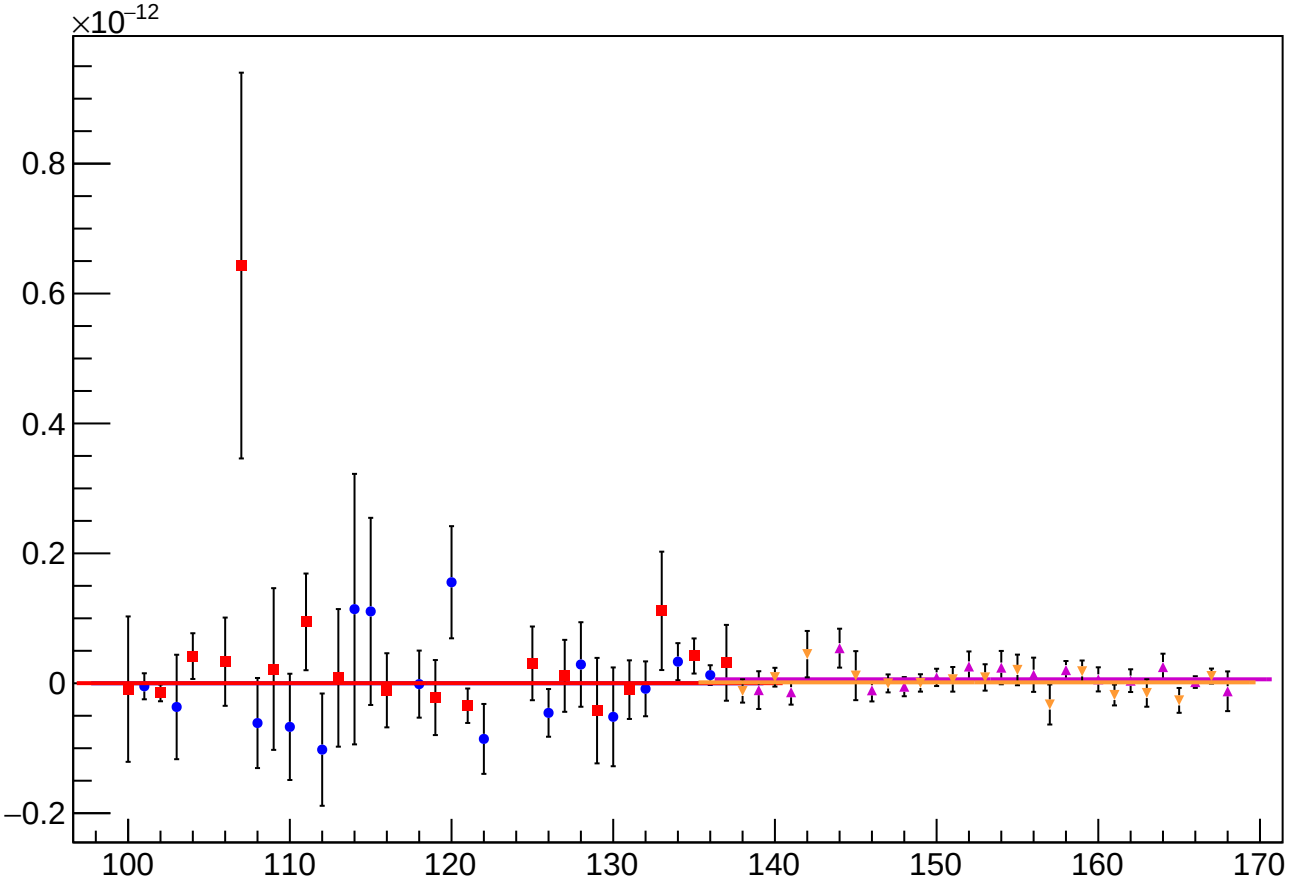
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.336+/-0.011 χ^2/NDF:994766.9/14

+ sign 48.365+/-0.009 χ^2/NDF: 3834851.6/30

All: 49.020+/-0.006 χ^2/NDF: 7896044.1/63

- sign 49.705+/-0.009 χ^2/NDF: 4050053.1/32



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/14

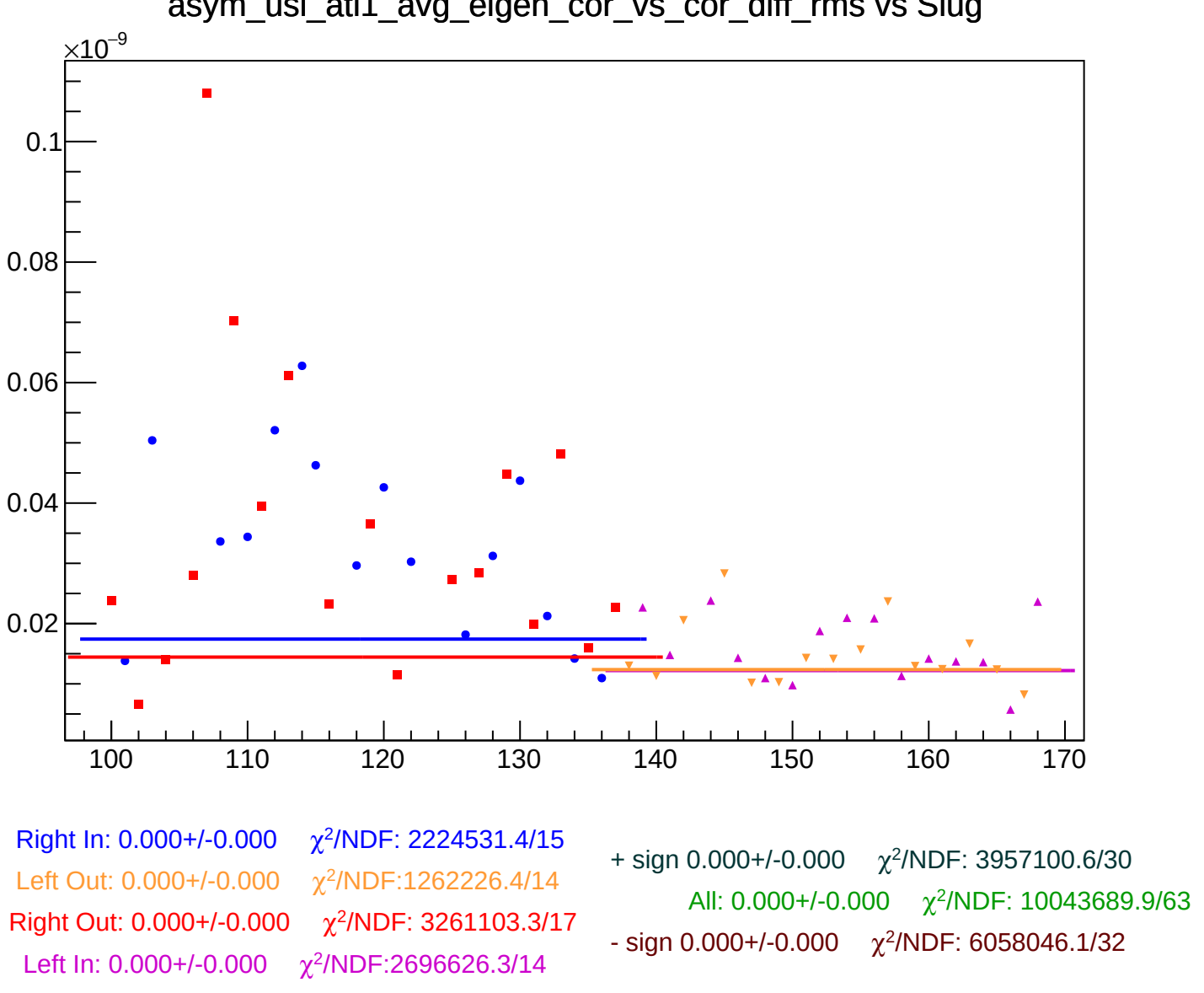
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:9.3/14

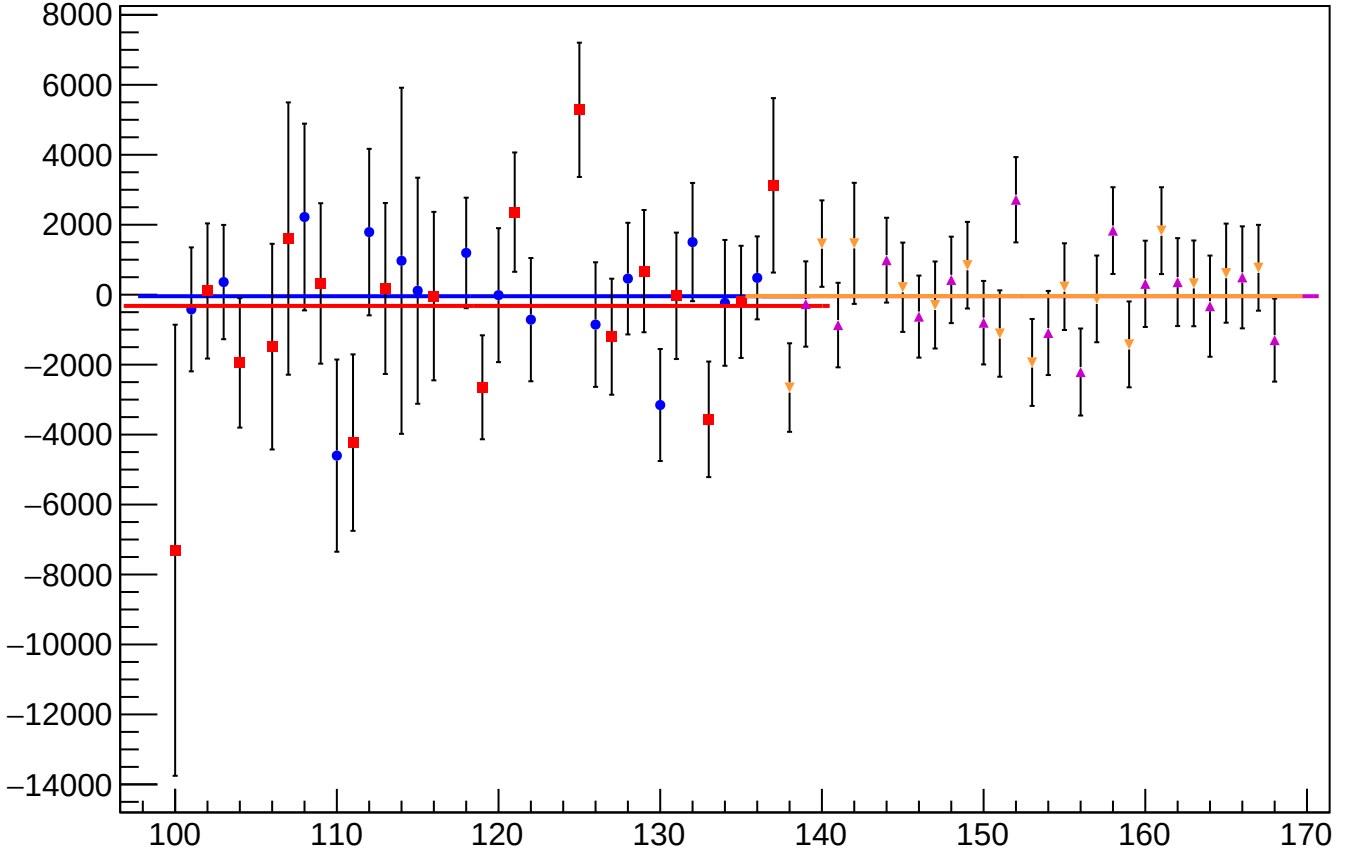
+ sign 0.000+/-0.000 χ^2/NDF: 24.5/30

All: 0.000+/-0.000 χ^2/NDF: 50.7/63

- sign 0.000+/-0.000 χ^2/NDF: 25.7/32


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:1262226.4/14
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:2696626.3/14
+ sign 0.000+/-0.000 χ²/NDF: 3957100.6/30
All: 0.000+/-0.000 χ²/NDF: 10043689.9/63
- sign 0.000+/-0.000 χ²/NDF: 6058046.1/32

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -37.925+/-328.425 χ^2/NDF:14.5/14

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

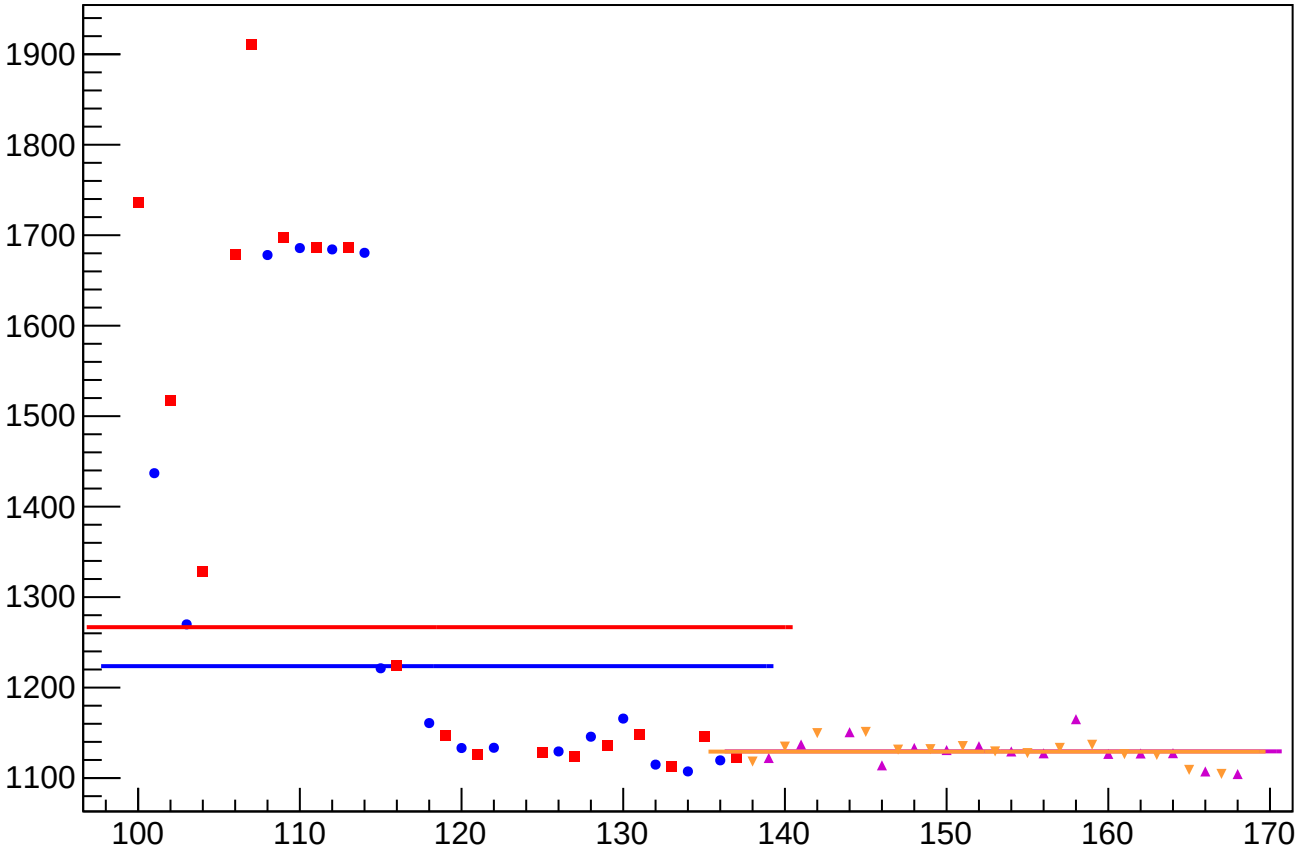
Left In: -43.501+/-320.621 χ^2/NDF:14.7/14

+ sign -39.873+/-267.137 χ^2/NDF: 24.6/30

All: -85.403+/-188.398 χ^2/NDF: 64.4/63

- sign -130.458+/-265.737 χ^2/NDF: 39.7/32

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1129.244+/-0.232 χ^2/NDF:2459.5/14

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

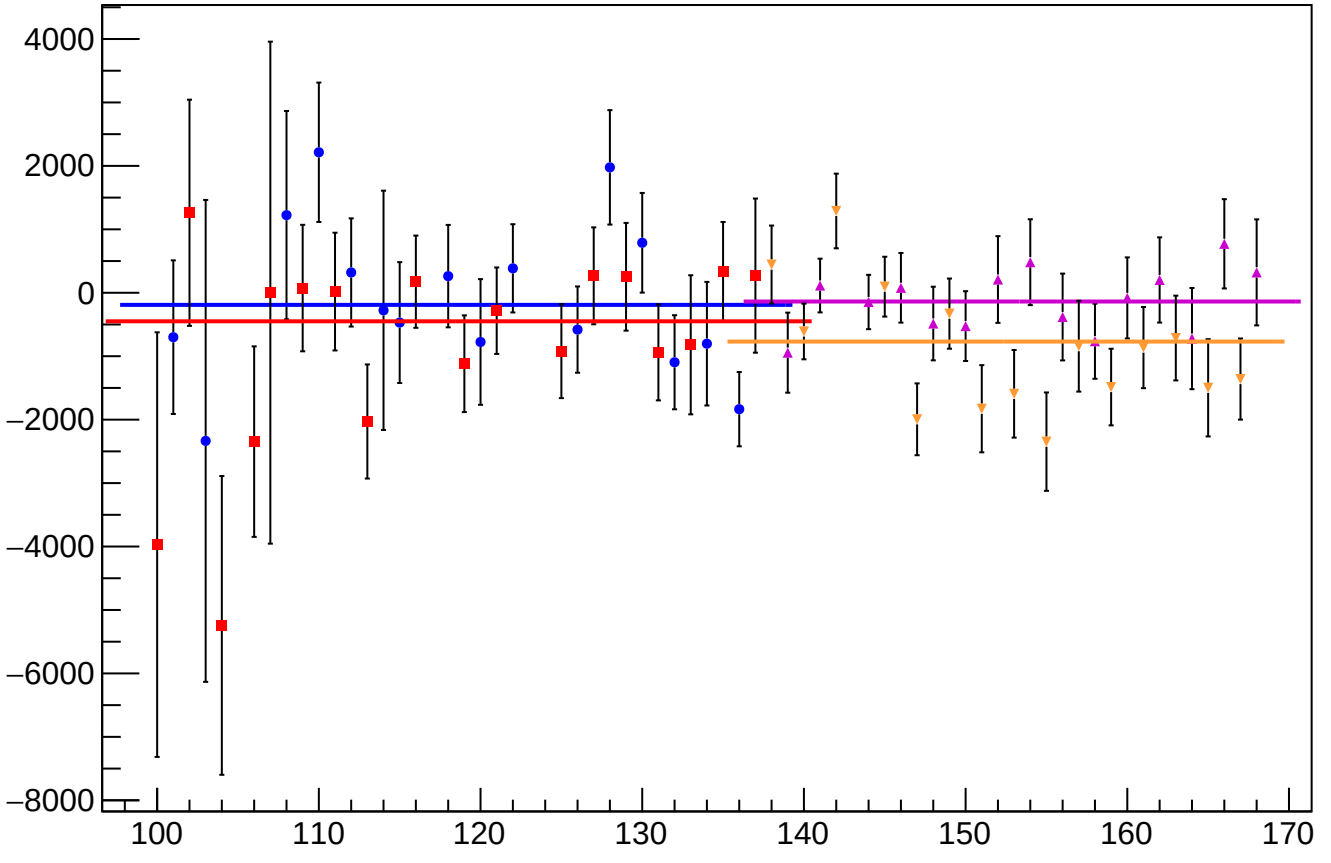
Left In: 1129.521+/-0.227 χ^2/NDF:4197.7/14

+ sign 1161.209+/-0.189 χ^2/NDF: 353412.8/30

All: 1166.880+/-0.133 χ^2/NDF: 906999.0/63

- sign 1172.491+/-0.188 χ^2/NDF: 551793.2/32

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -769.382+/-156.147 χ^2/NDF:36.1/14

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

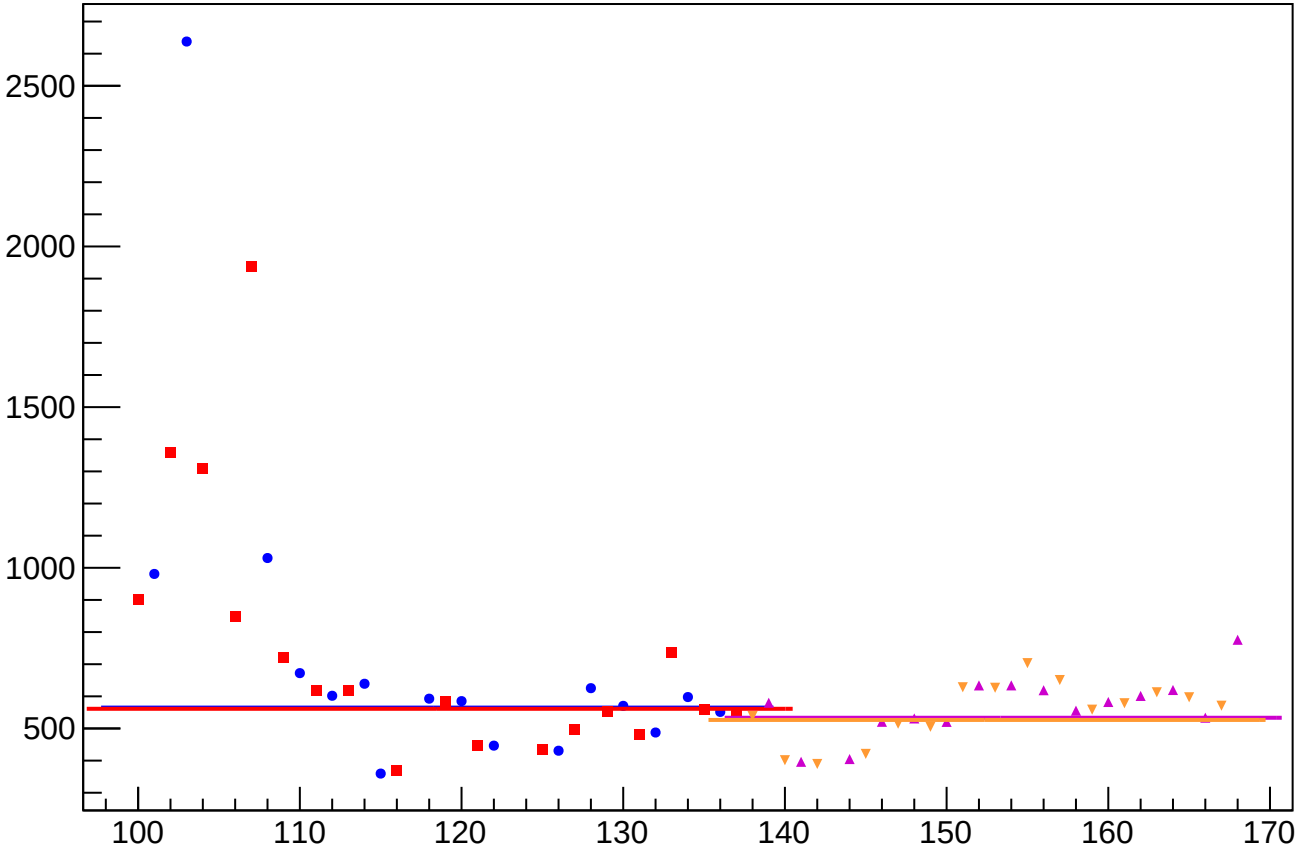
Left In: -137.805+/-154.066 χ^2/NDF:8.1/14

\+ sign -578.828+/-127.883 χ^2/NDF: 65.9/30

All: -407.208+/-90.039 χ^2/NDF: 95.7/63

\- sign -238.500+/-126.794 χ^2/NDF: 26.2/32

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 526.558+/-0.110 χ^2/NDF:704993.4/14

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

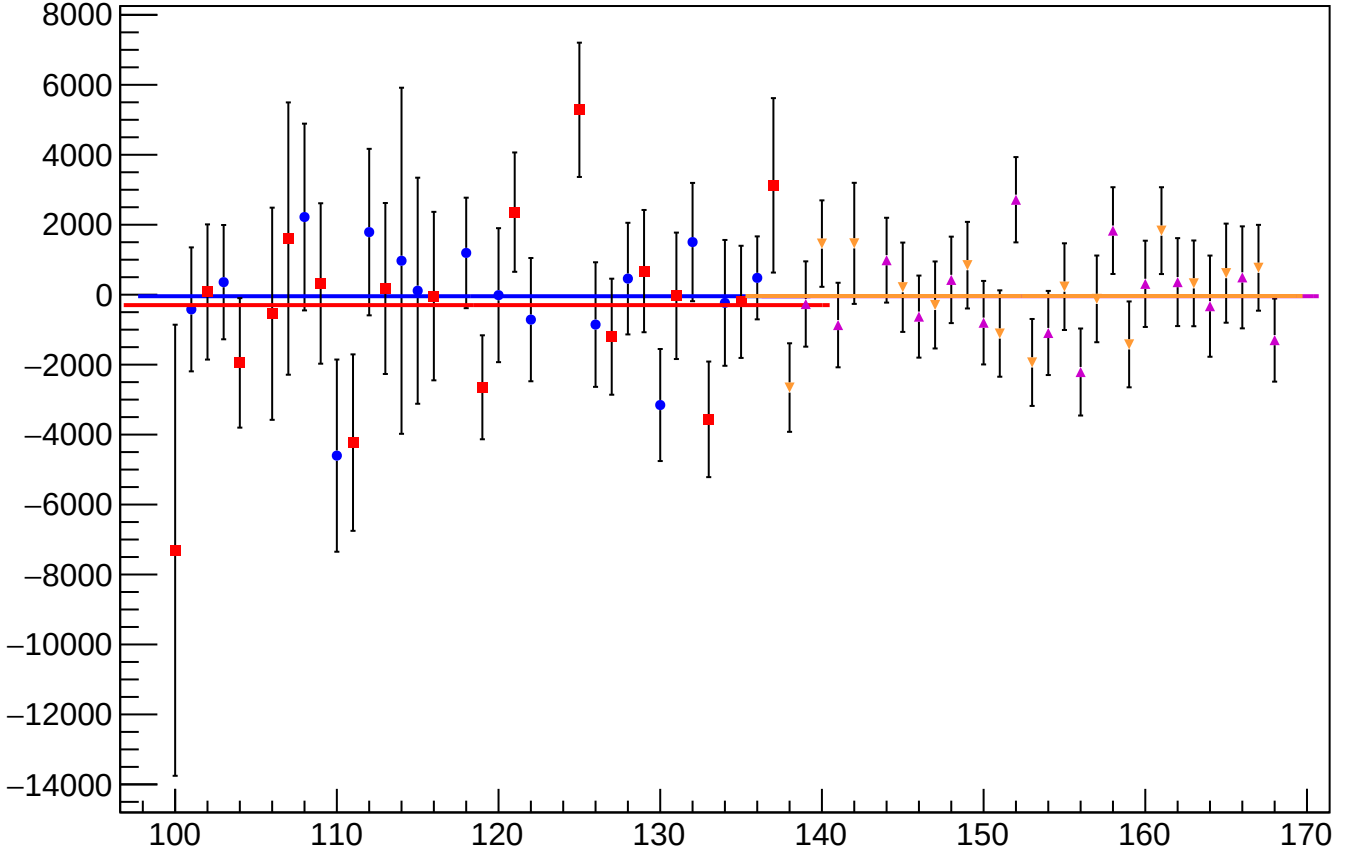
Left In: 533.337+/-0.109 χ^2/NDF:748883.6/14

+ sign 539.201+/-0.090 χ^2/NDF: 2029299.4/30

All: 540.785+/-0.064 χ^2/NDF: 4152205.3/63

- sign 542.343+/-0.090 χ^2/NDF: 2122297.3/32

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -37.884+/-328.425 χ^2/NDF:14.5/14

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

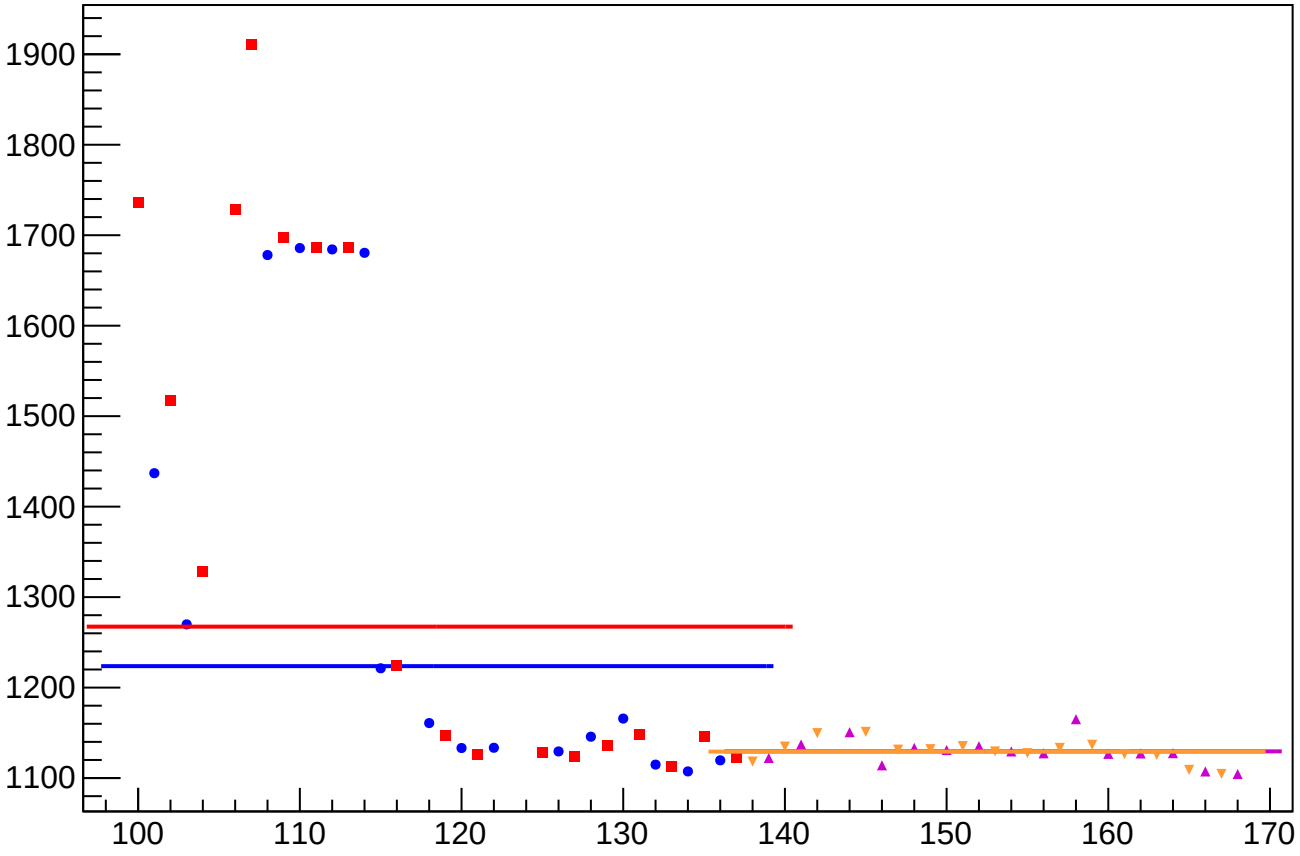
Left In: -43.523+/-320.621 χ^2/NDF:14.7/14

+ sign -39.927+/-267.137 χ^2/NDF: 24.6/30

All: -81.756+/-188.421 χ^2/NDF: 64.2/63

- sign -123.168+/-265.802 χ^2/NDF: 39.5/32

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1129.244+/-0.232 χ^2/NDF:2459.5/14

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

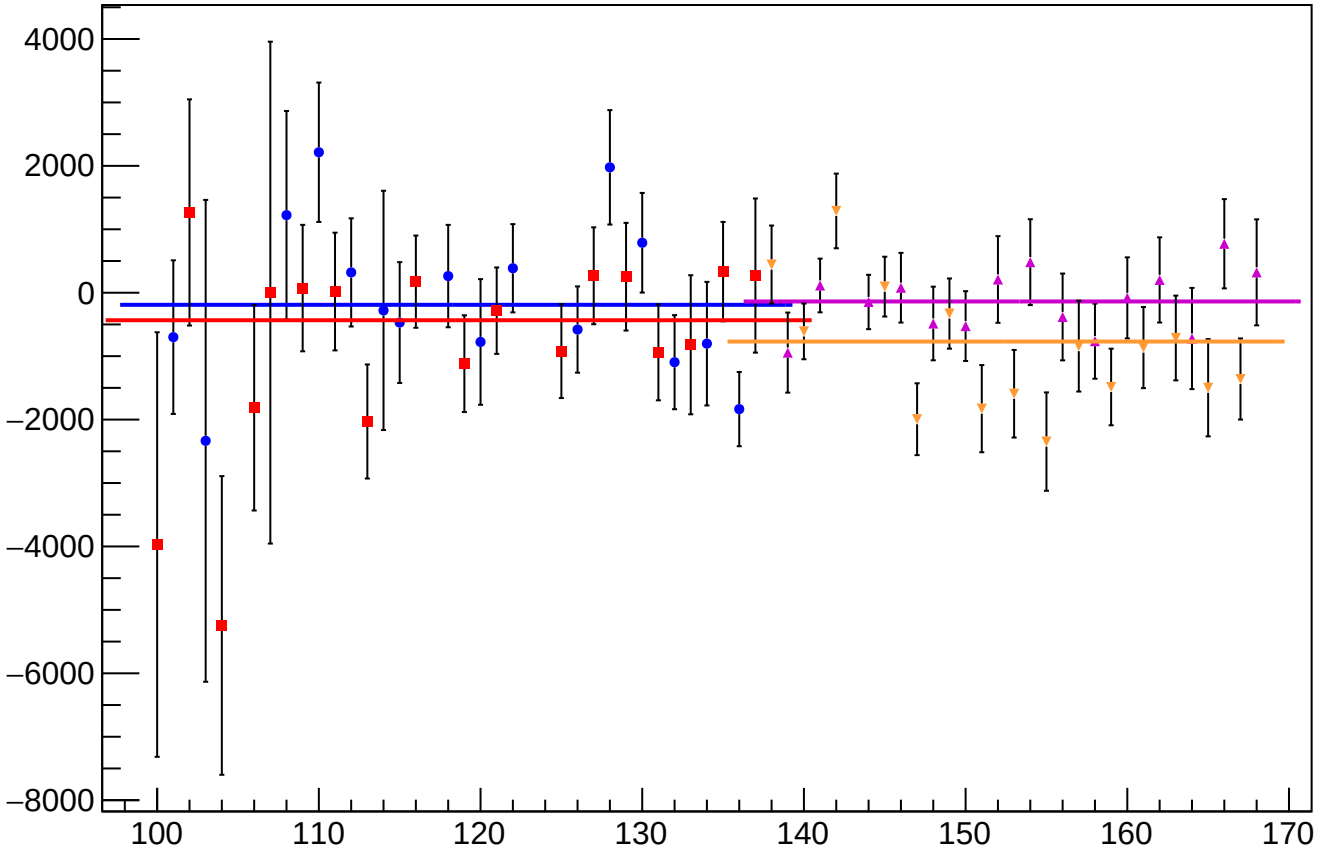
Left In: 1129.521+/-0.227 χ^2/NDF:4197.7/14

+ sign 1161.209+/-0.189 χ^2/NDF: 353412.9/30

All: 1166.947+/-0.133 χ^2/NDF: 915031.0/63

- sign 1172.627+/-0.188 χ^2/NDF: 559782.2/32

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -769.406+/-156.147 χ^2/NDF:36.1/14

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

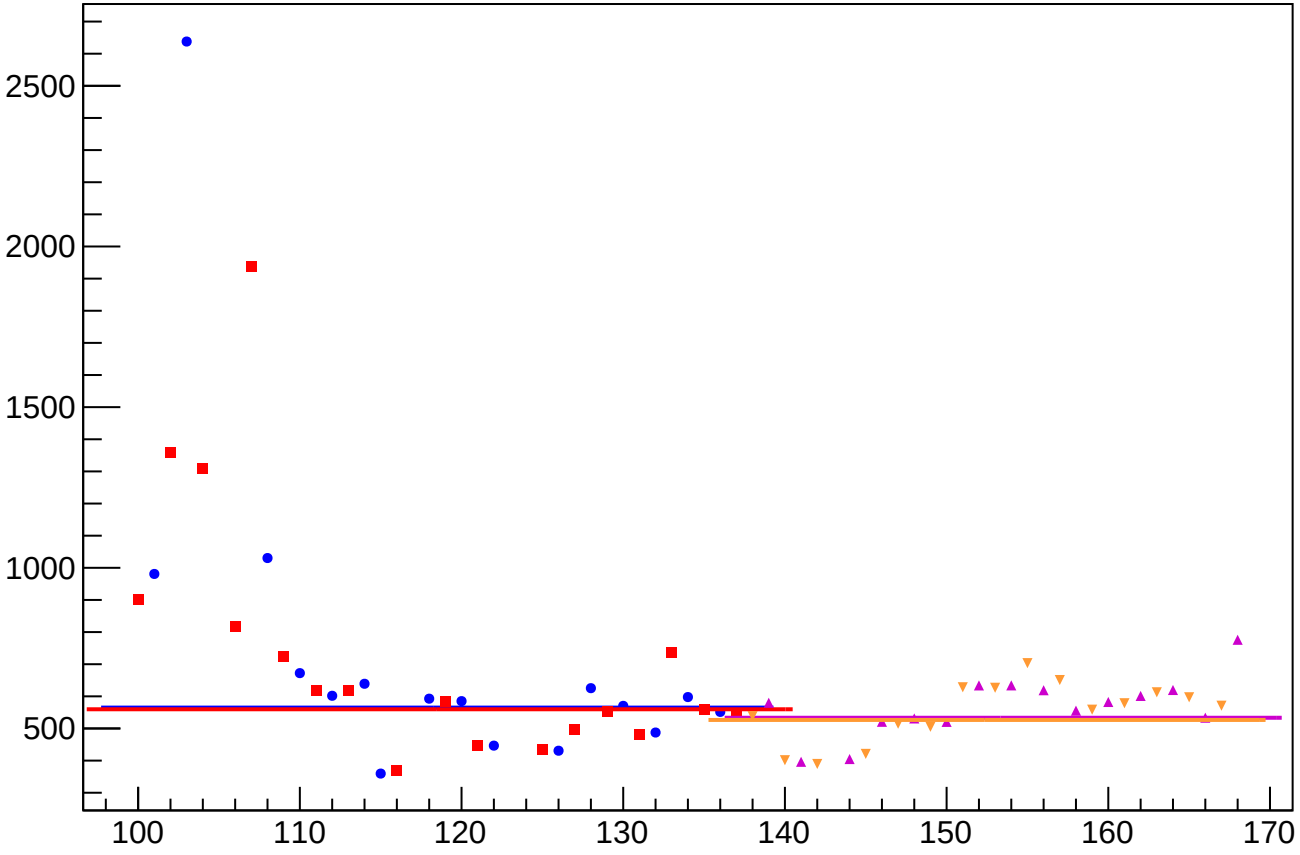
Left In: -137.799+/-154.065 χ^2/NDF:8.1/14

+ sign -578.846+/-127.883 χ^2/NDF: 65.9/30

All: -404.602+/-90.062 χ^2/NDF: 94.8/63

- sign -233.143+/-126.857 χ^2/NDF: 25.2/32

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 526.557+/-0.110 χ^2/NDF:704981.6/14

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

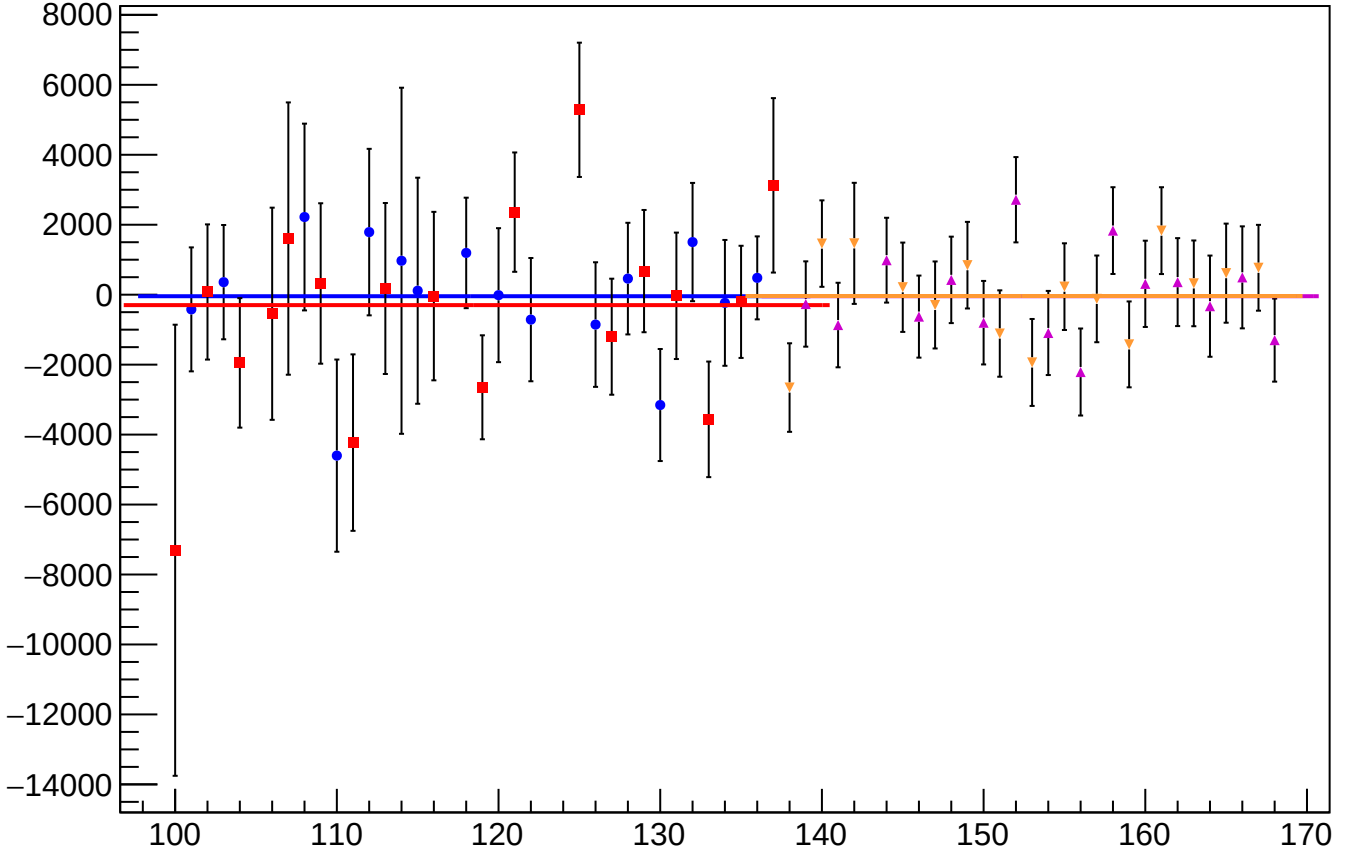
Left In: 533.338+/-0.109 χ^2/NDF:748837.5/14

\+ sign 539.199+/-0.090 χ^2/NDF: 2029256.9/30

All: 540.533+/-0.064 χ^2/NDF: 4126823.0/63

\- sign 541.845+/-0.090 χ^2/NDF: 2097134.5/32

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -37.884+/-328.425 χ^2/NDF:14.5/14

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

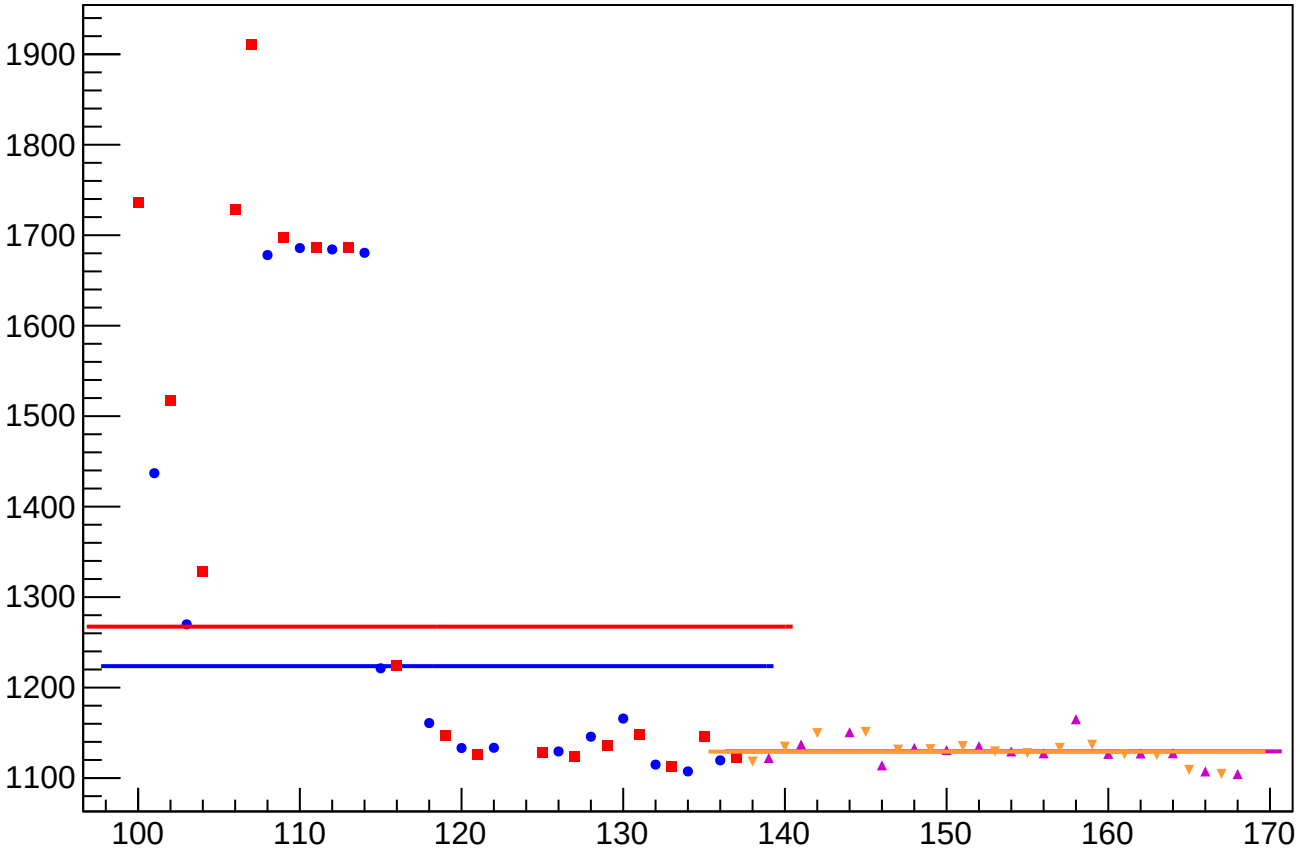
Left In: -43.523+/-320.621 χ^2/NDF:14.7/14

+ sign -39.927+/-267.137 χ^2/NDF: 24.6/30

All: -81.756+/-188.421 χ^2/NDF: 64.2/63

- sign -123.168+/-265.802 χ^2/NDF: 39.5/32

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1129.244+/-0.232 χ^2/NDF:2459.5/14

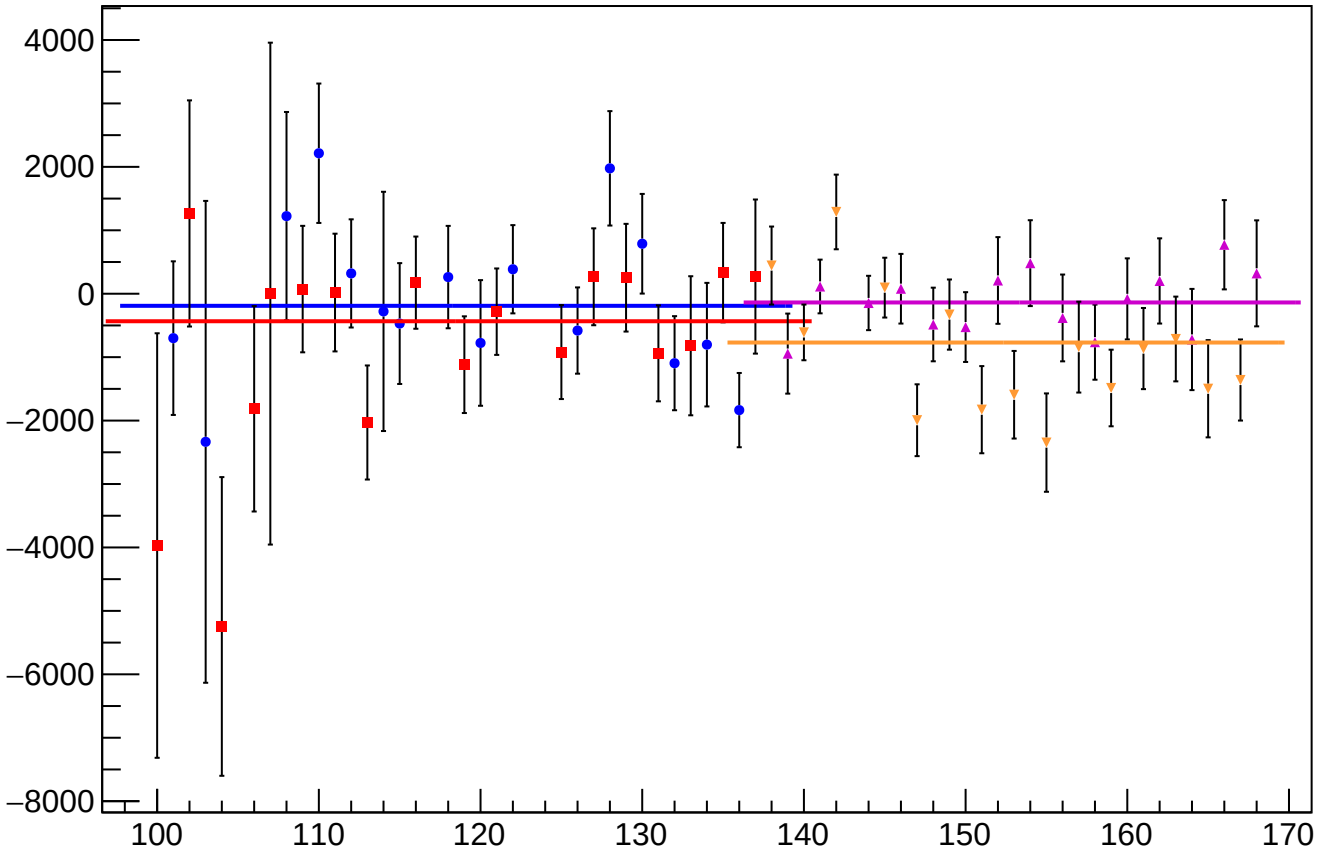
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1129.521+/-0.227 χ^2/NDF:4197.7/14

+ sign 1161.209+/-0.189 χ^2/NDF: 353412.9/30

All: 1166.947+/-0.133 χ^2/NDF: 915031.0/63

- sign 1172.627+/-0.188 χ^2/NDF: 559782.2/32



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -769.406+/-156.147 χ^2/NDF:36.1/14

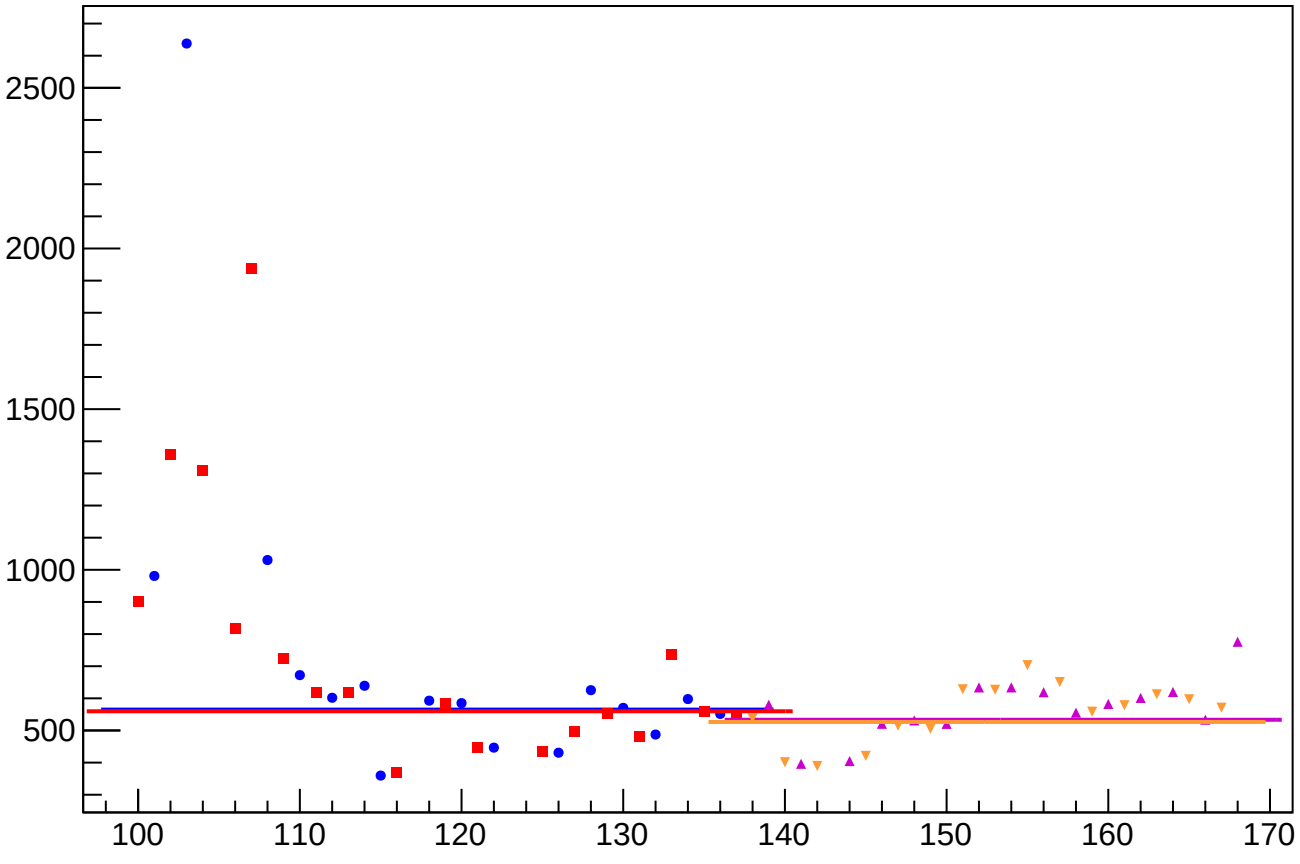
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -137.799+/-154.065 χ^2/NDF:8.1/14

+ sign -578.846+/-127.883 χ^2/NDF: 65.9/30

All: -404.602+/-90.062 χ^2/NDF: 94.8/63

- sign -233.143+/-126.857 χ^2/NDF: 25.2/32



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 526.557+/-0.110 χ^2/NDF:704981.6/14

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

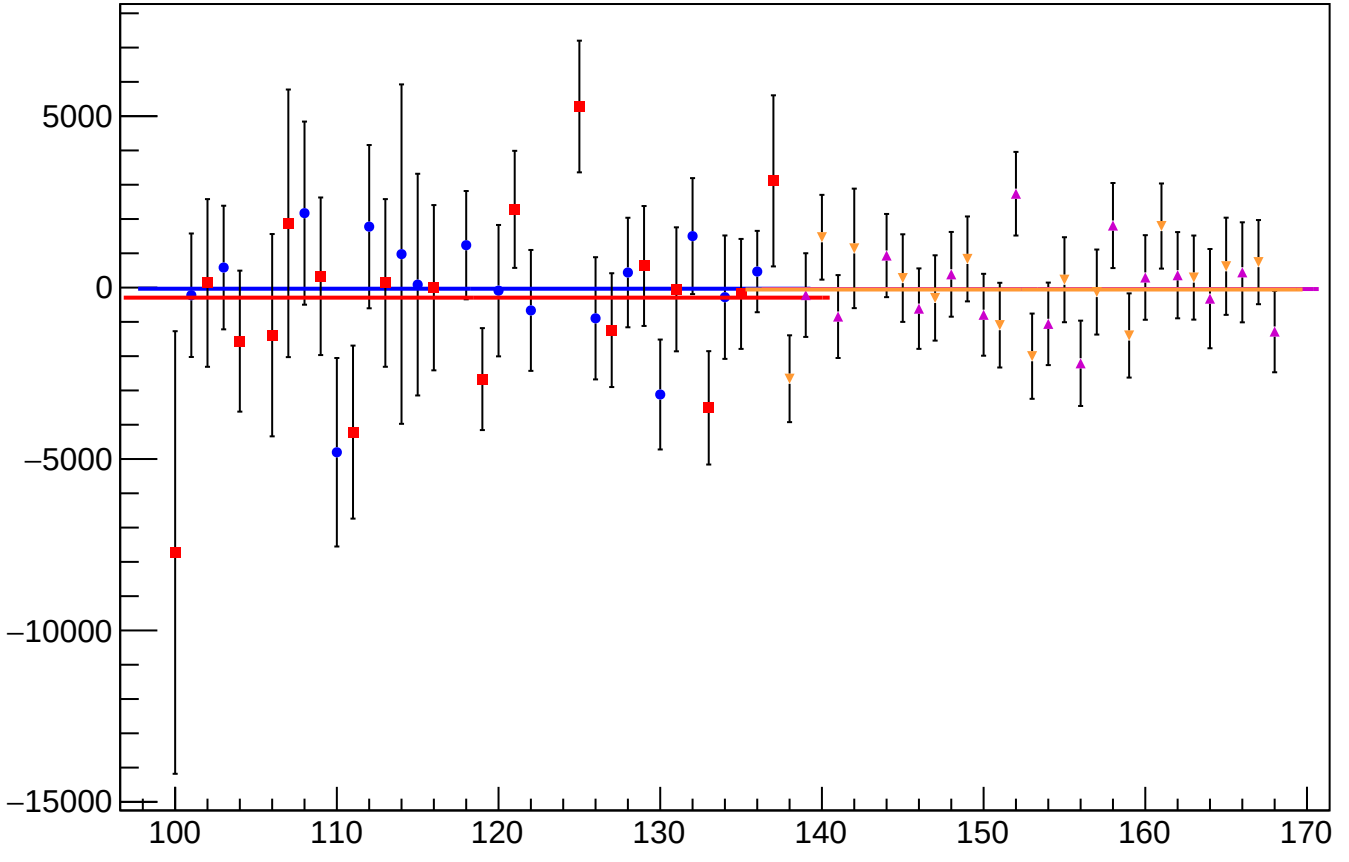
Left In: 533.338+/-0.109 χ^2/NDF:748837.5/14

+ sign 539.199+/-0.090 χ^2/NDF: 2029256.9/30

All: 540.533+/-0.064 χ^2/NDF: 4126823.0/63

- sign 541.845+/-0.090 χ^2/NDF: 2097134.5/32

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -55.477+/-328.637 χ^2/NDF:14.2/14

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

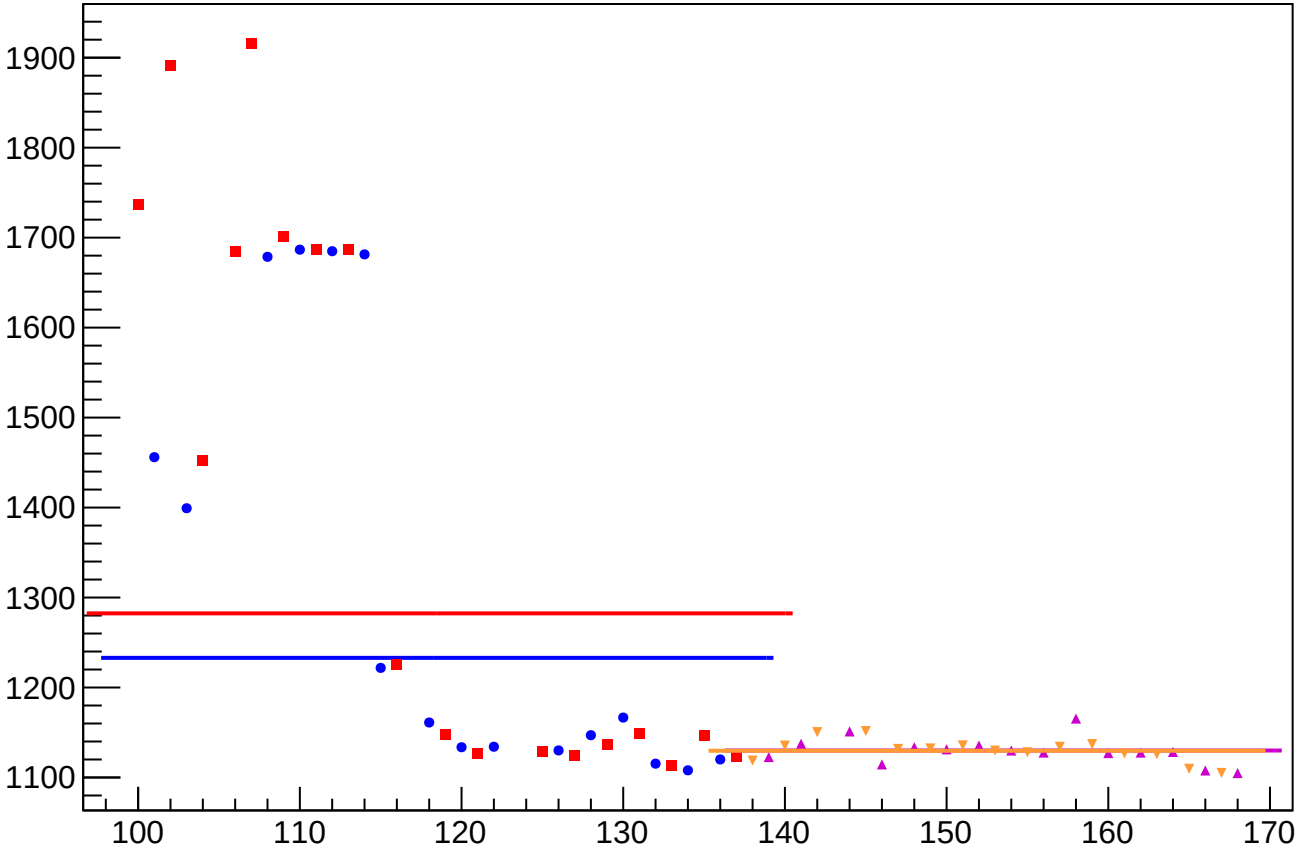
Left In: -42.088+/-320.750 χ^2/NDF:14.4/14

+ sign -47.972+/-268.032 χ^2/NDF: 24.5/30

All: -83.482+/-189.282 χ^2/NDF: 63.4/63

- sign -118.809+/-267.340 χ^2/NDF: 38.9/32

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1129.709+/-0.232 χ^2/NDF:2462.8/14

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

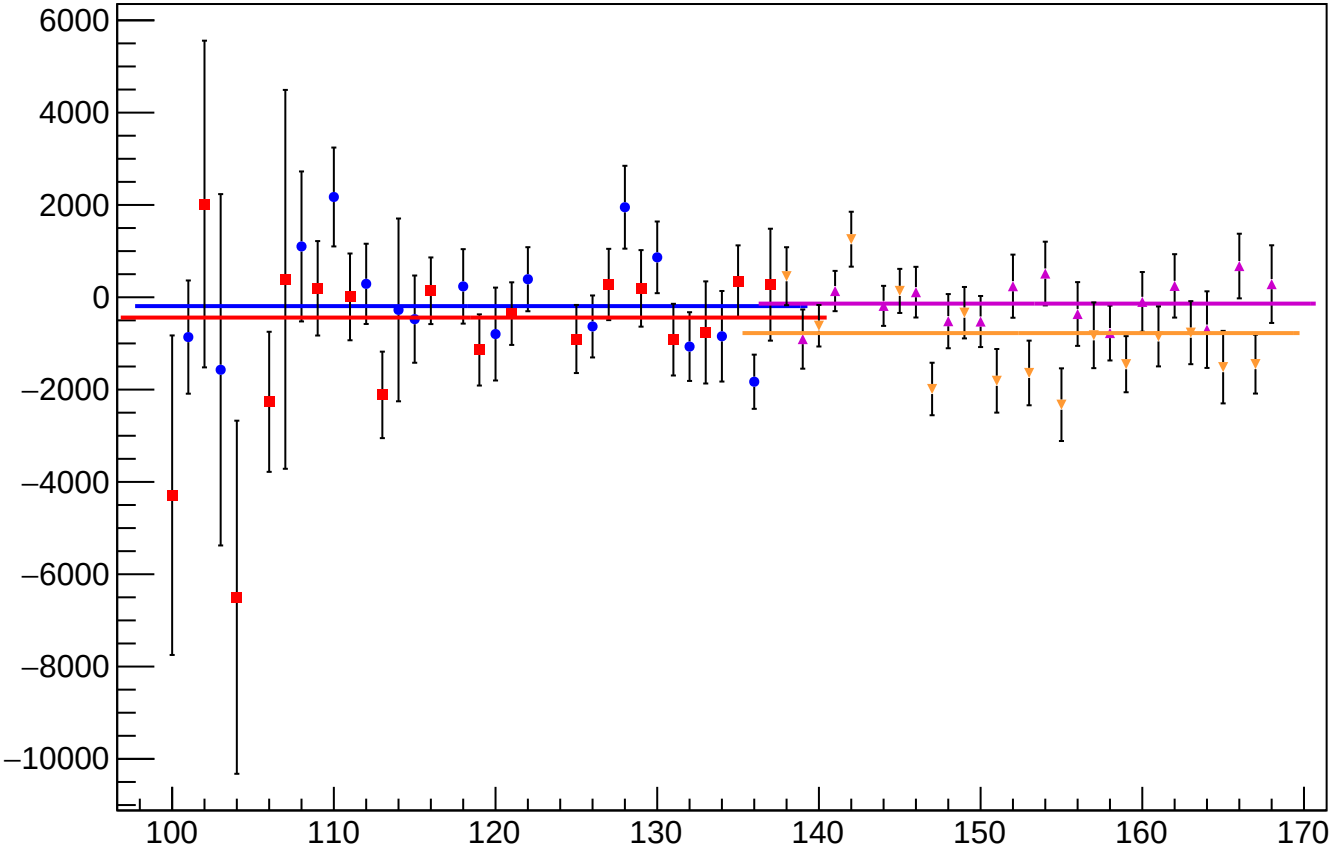
Left In: 1129.976+/-0.227 χ^2/NDF:4186.4/14

+ sign 1164.281+/-0.190 χ^2/NDF: 384037.9/30

All: 1170.413+/-0.134 χ^2/NDF: 1071619.6/63

- sign 1176.513+/-0.189 χ^2/NDF: 685493.5/32

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -776.026+/-158.036 χ^2/NDF:35.4/14

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

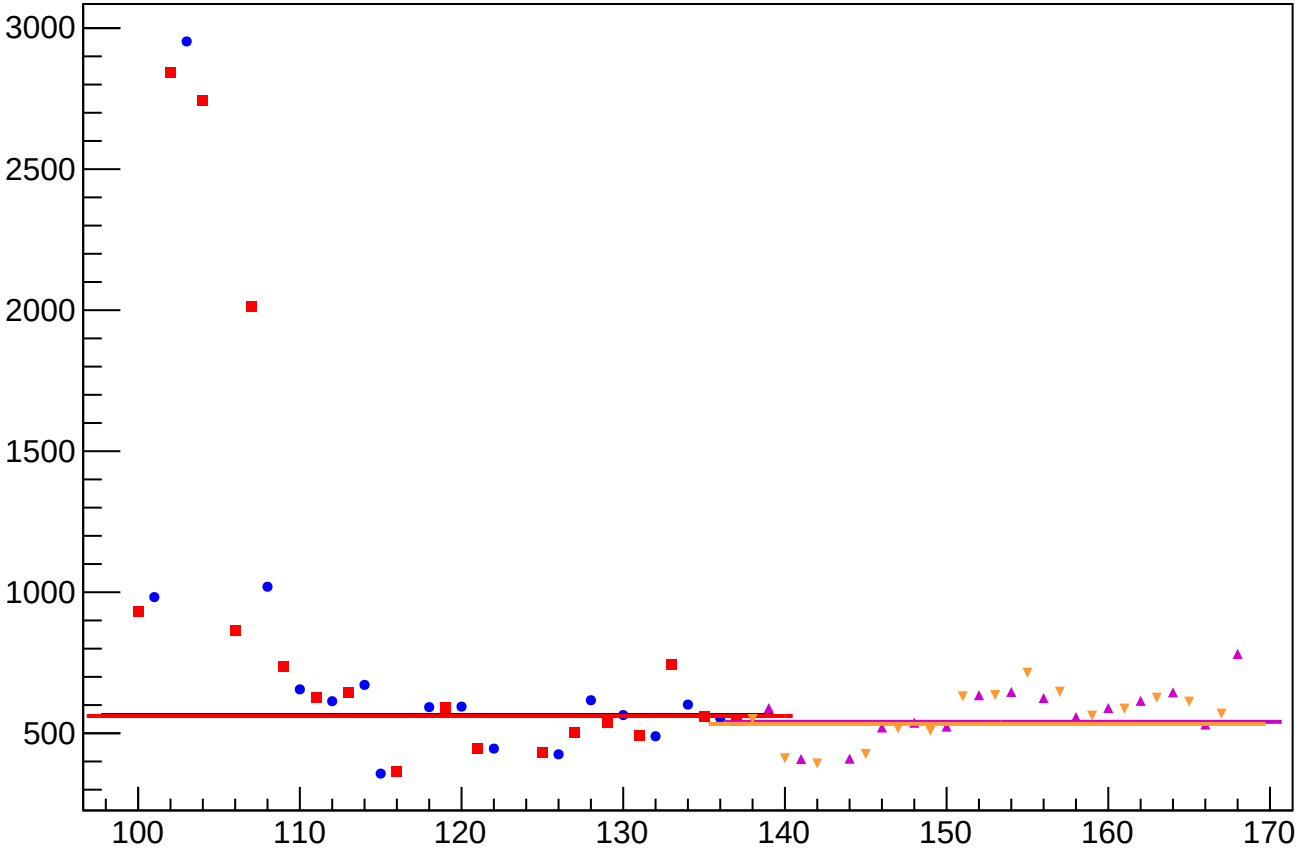
Left In: -137.460+/-156.033 χ^2/NDF:7.8/14

+ sign -580.339+/-128.894 χ^2/NDF: 65.2/30

All: -406.979+/-91.007 χ^2/NDF: 92.5/63

- sign -234.644+/-128.513 χ^2/NDF: 23.6/32

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 533.255+/-0.112 χ^2/NDF:687424.8/14

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

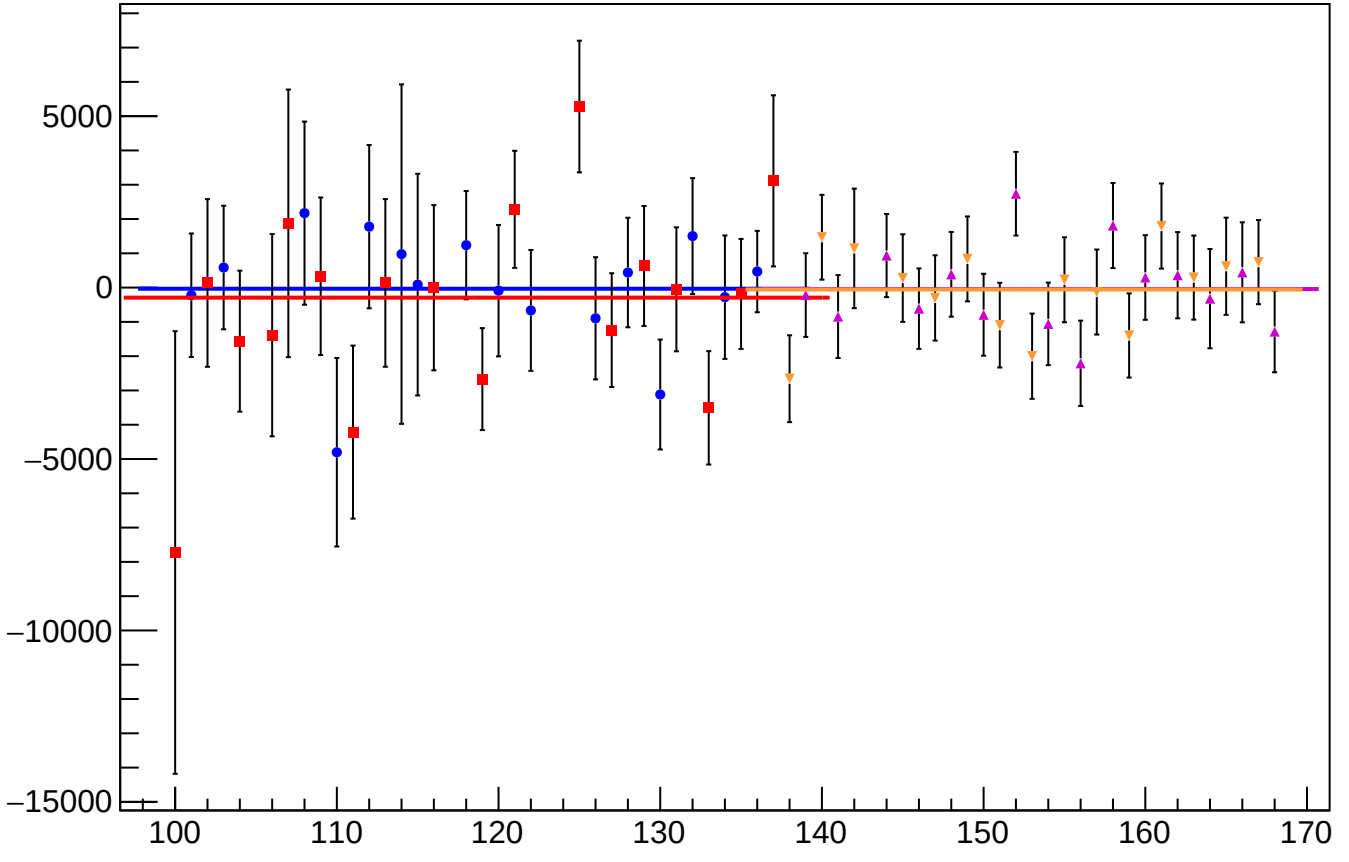
Left In: 540.570+/-0.110 χ^2/NDF:727353.3/14

+ sign 543.840+/-0.091 χ^2/NDF: 2194599.3/30

All: 545.539+/-0.064 χ^2/NDF: 5207343.2/63

- sign 547.229+/-0.091 χ^2/NDF: 3012050.5/32

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -55.479+/-328.637 χ^2/NDF:14.2/14

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

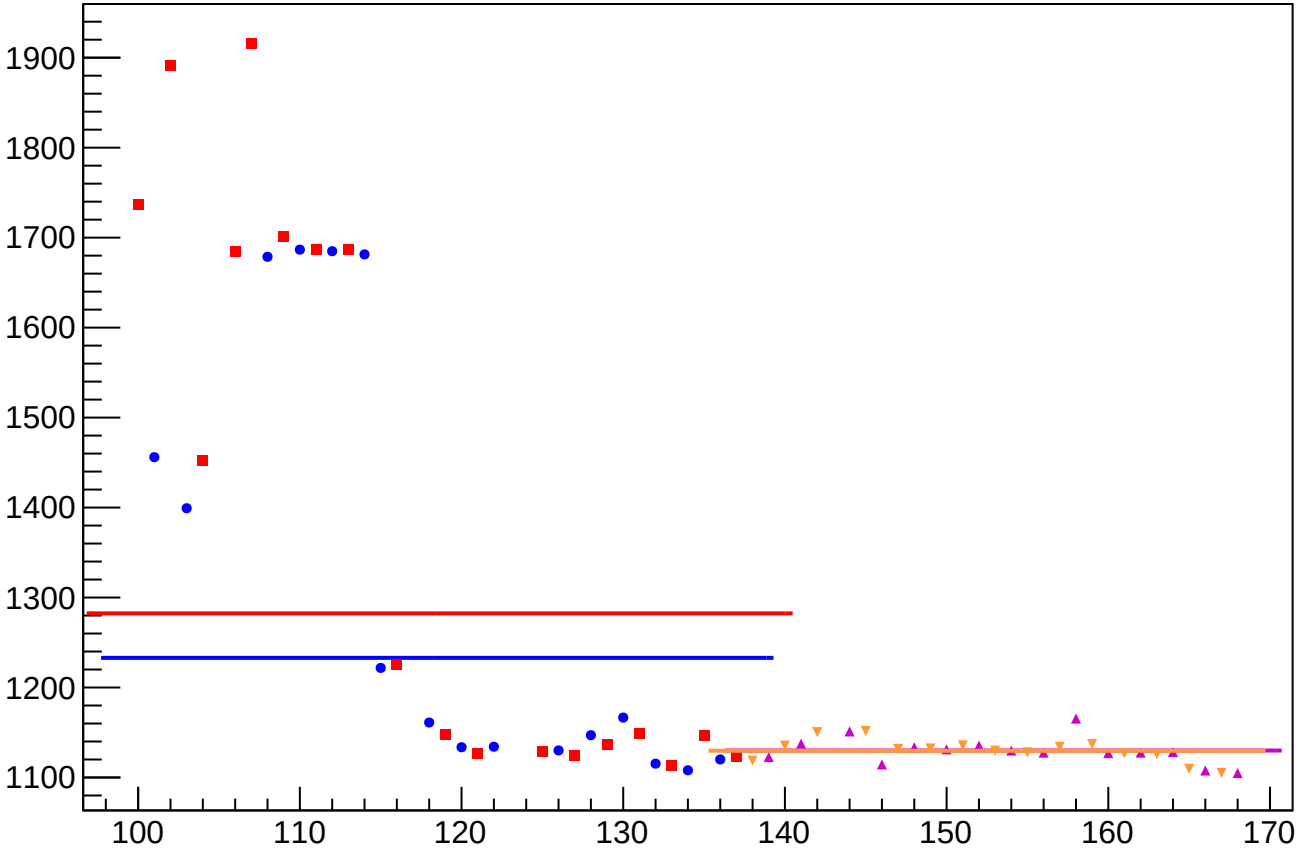
Left In: -42.089+/-320.750 χ^2/NDF:14.4/14

+ sign -47.973+/-268.032 χ^2/NDF: 24.5/30

All: -83.483+/-189.282 χ^2/NDF: 63.4/63

- sign -118.810+/-267.340 χ^2/NDF: 38.9/32

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1129.709+/-0.232 χ^2/NDF:2462.8/14

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

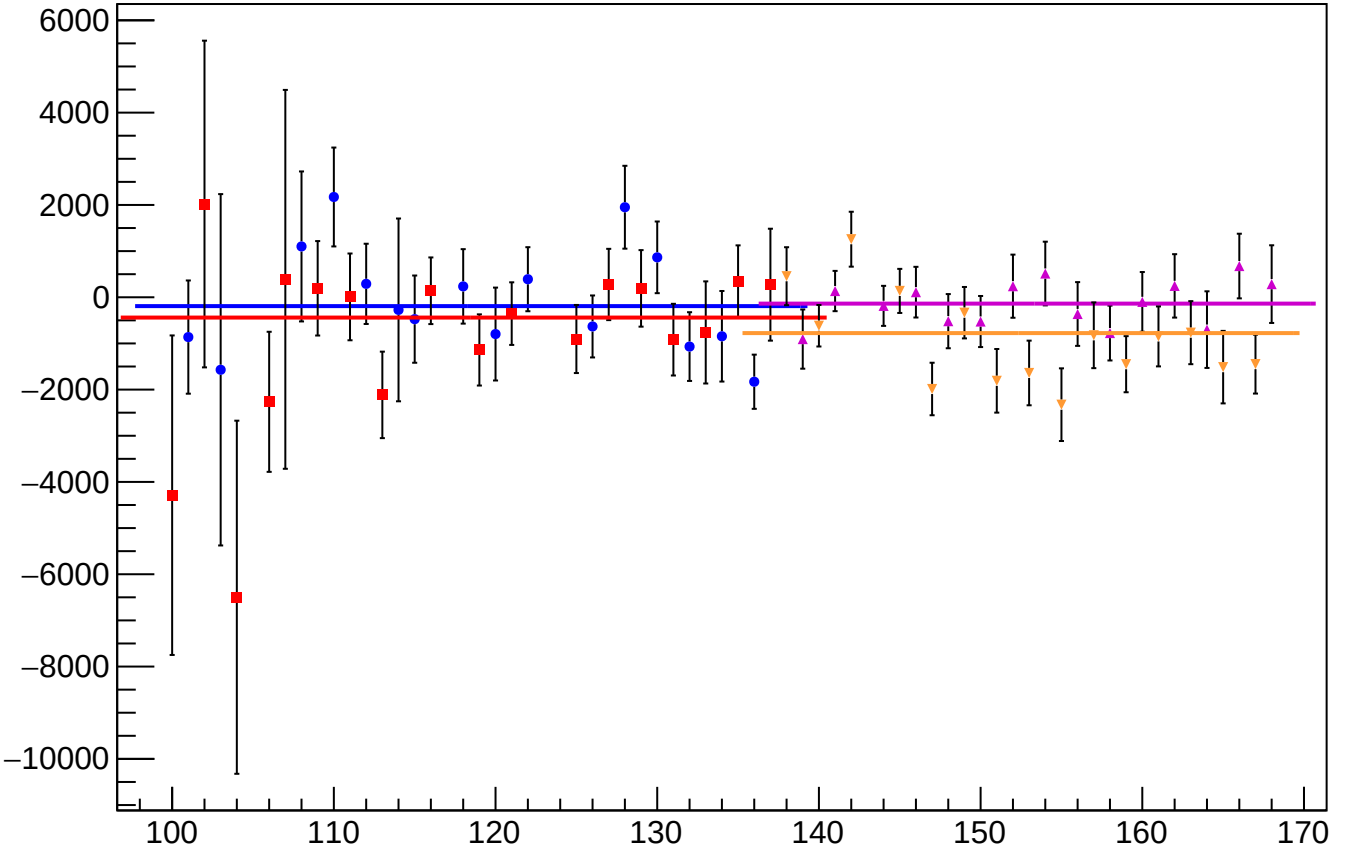
Left In: 1129.976+/-0.227 χ^2/NDF:4186.4/14

+ sign 1164.281+/-0.190 χ^2/NDF: 384037.4/30

All: 1170.413+/-0.134 χ^2/NDF: 1071618.4/63

- sign 1176.513+/-0.189 χ^2/NDF: 685492.9/32

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -776.024+/-158.035 χ^2/NDF:35.4/14

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

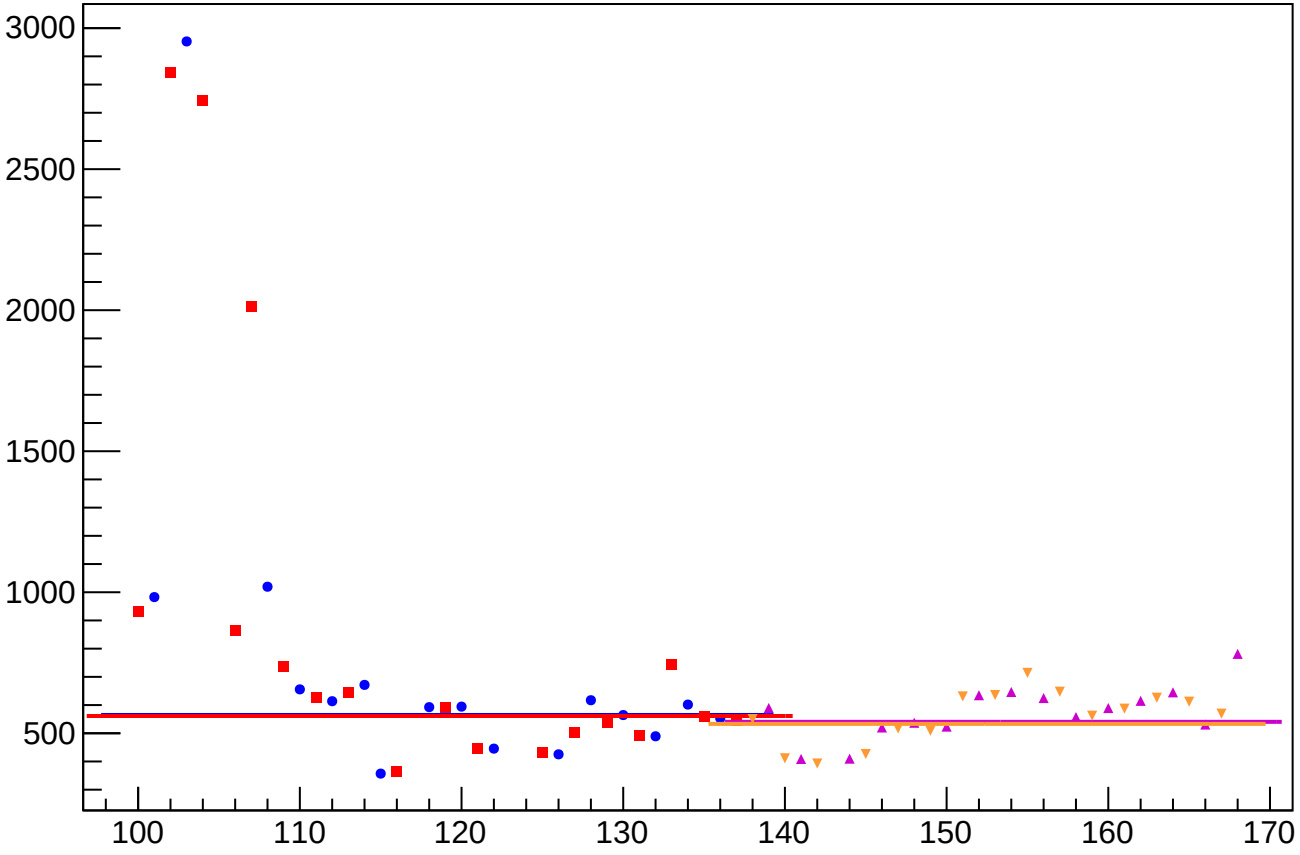
Left In: -137.461+/-156.032 χ^2/NDF:7.8/14

+ sign -580.338+/-128.894 χ^2/NDF: 65.2/30

All: -406.979+/-91.007 χ^2/NDF: 92.5/63

- sign -234.644+/-128.512 χ^2/NDF: 23.6/32

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 533.254+/-0.112 χ^2/NDF:687443.7/14

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

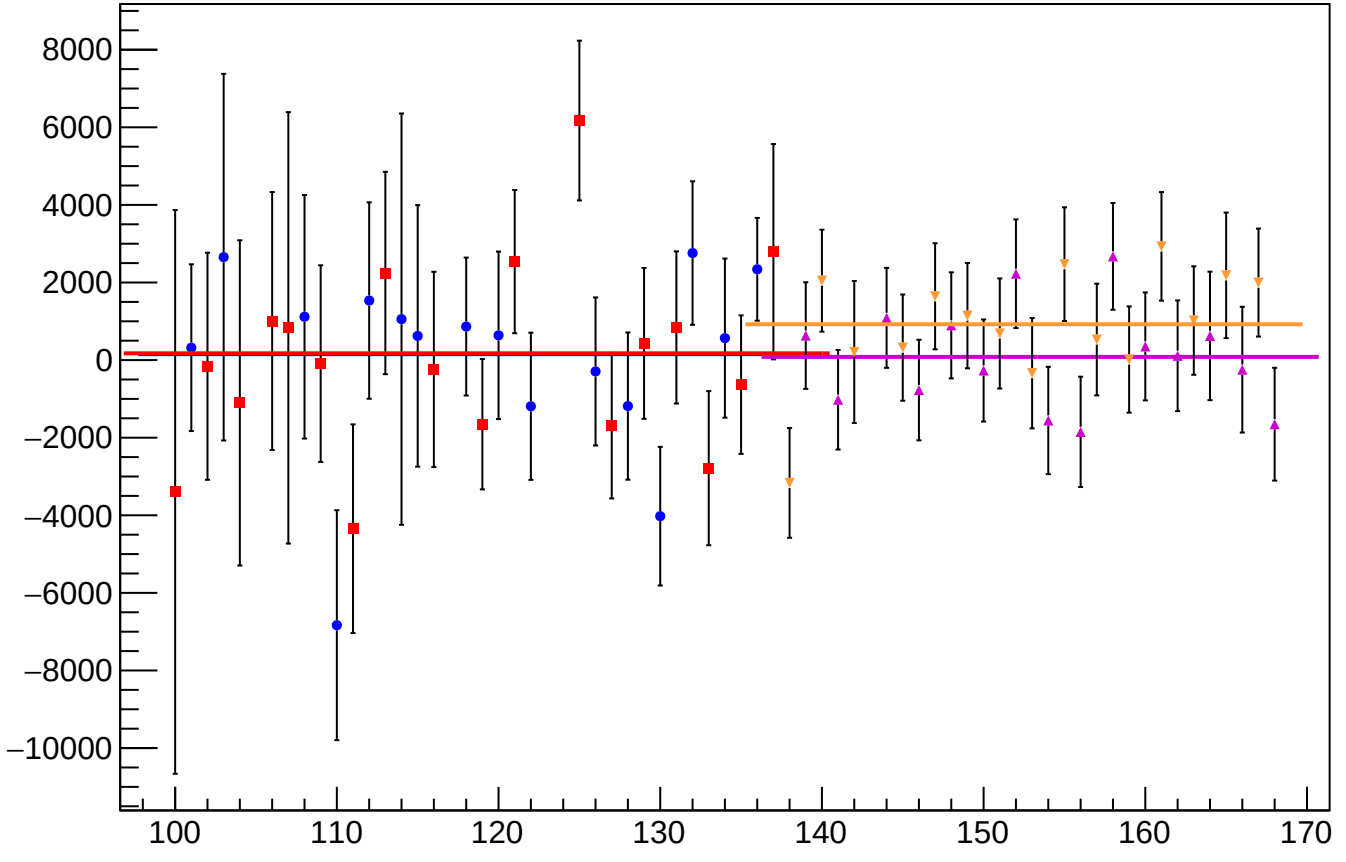
Left In: 540.569+/-0.110 χ^2/NDF:727365.5/14

+ sign 543.839+/-0.091 χ^2/NDF: 2194616.8/30

All: 545.539+/-0.064 χ^2/NDF: 5207374.1/63

- sign 547.228+/-0.091 χ^2/NDF: 3012063.8/32

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 923.274+/-368.057 χ^2/NDF:15.4/14

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

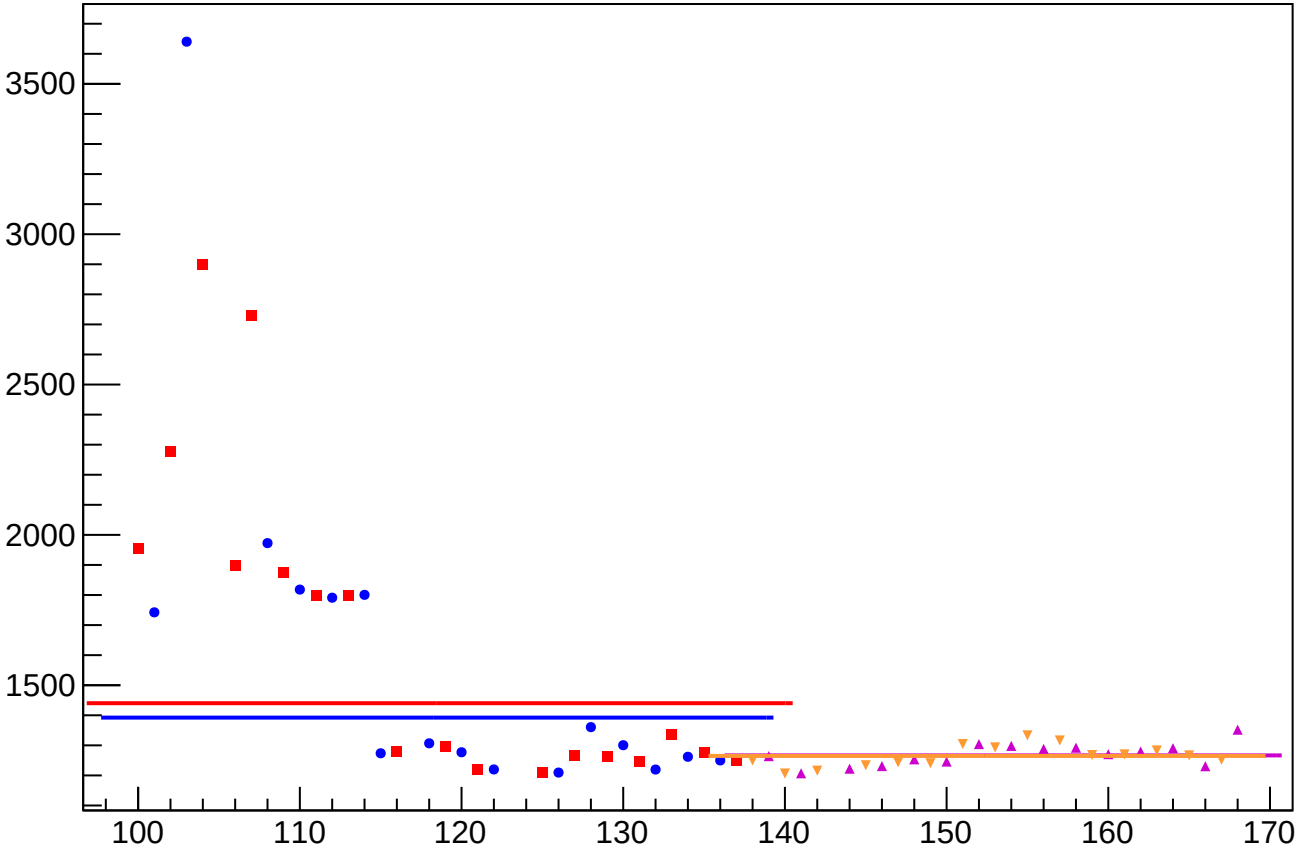
Left In: 83.027+/-359.686 χ^2/NDF:13.1/14

+ sign 674.117+/-302.698 χ^2/NDF: 34.6/30

All: 390.705+/-213.456 χ^2/NDF: 69.2/63

- sign 110.364+/-301.054 χ^2/NDF: 32.8/32

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1264.919+/-0.260 χ^2/NDF:17602.3/14

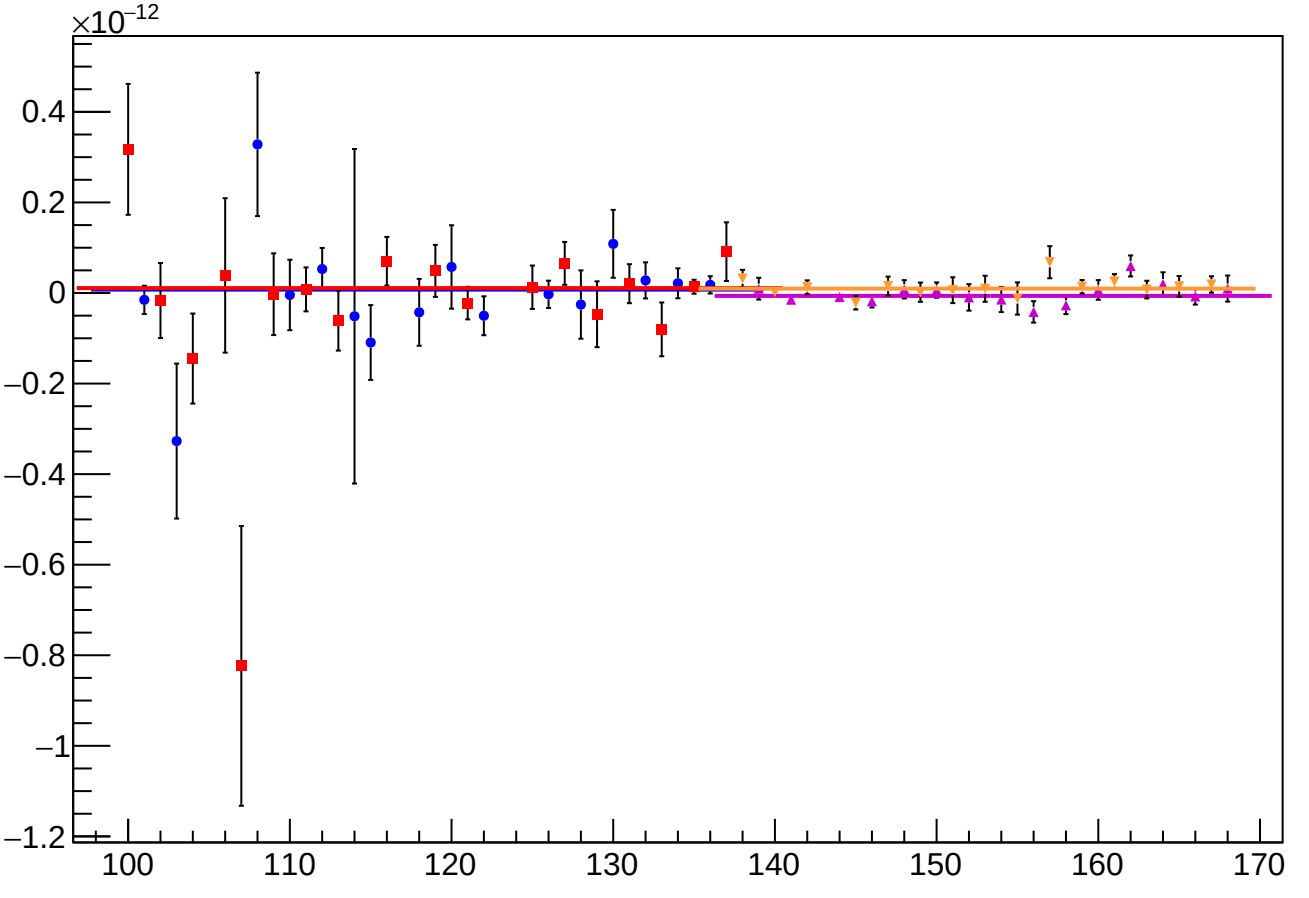
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1266.620+/-0.254 χ^2/NDF:20946.7/14

+ sign 1306.142+/-0.214 χ^2/NDF: 874367.2/30

All: 1312.408+/-0.151 χ^2/NDF: 1891416.5/63

- sign 1318.605+/-0.213 χ^2/NDF: 1015344.9/32



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/14

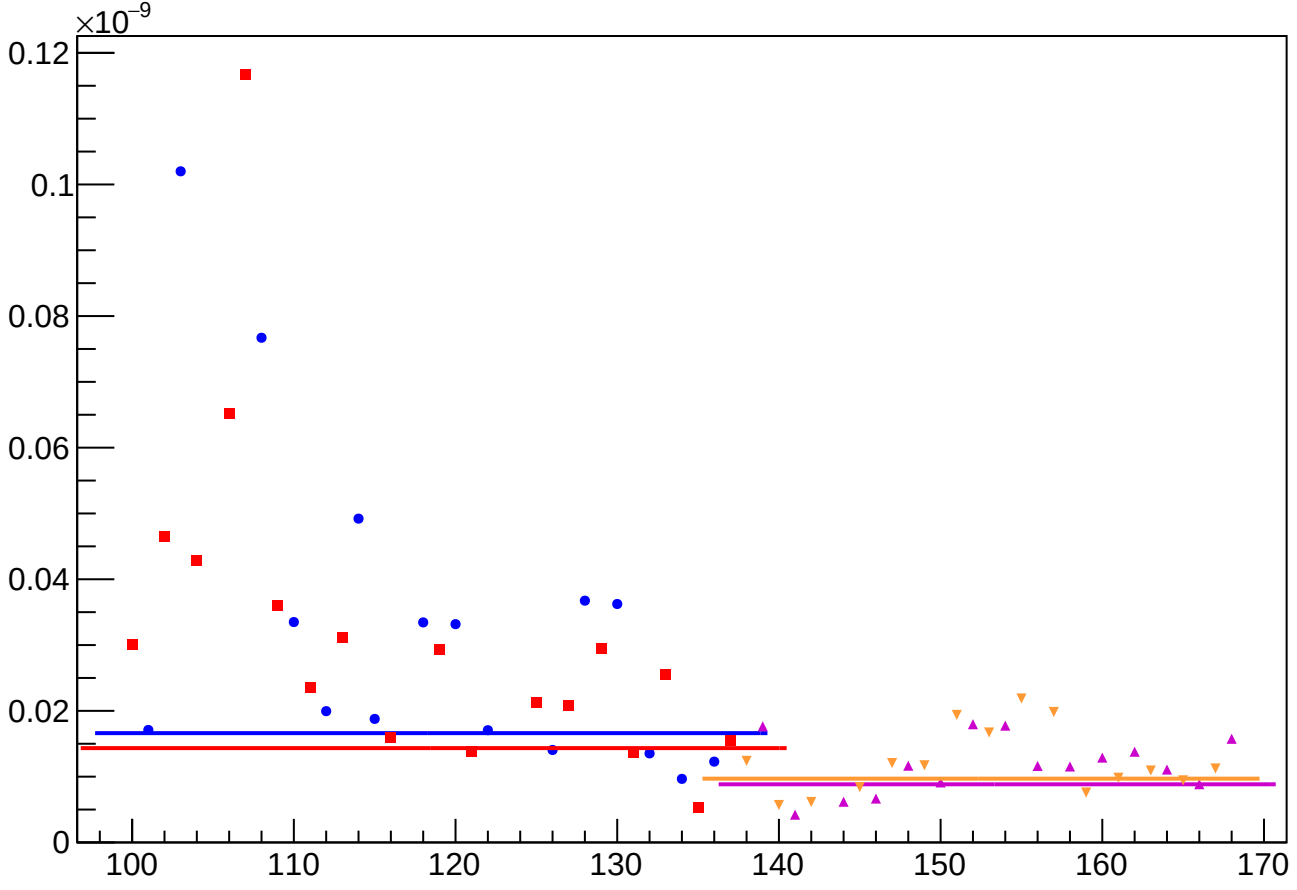
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:16.4/14

+ sign 0.000+/-0.000 χ^2/NDF: 27.6/30

All: 0.000+/-0.000 χ^2/NDF: 75.1/63

- sign -0.000+/-0.000 χ^2/NDF: 42.7/32



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1278393.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

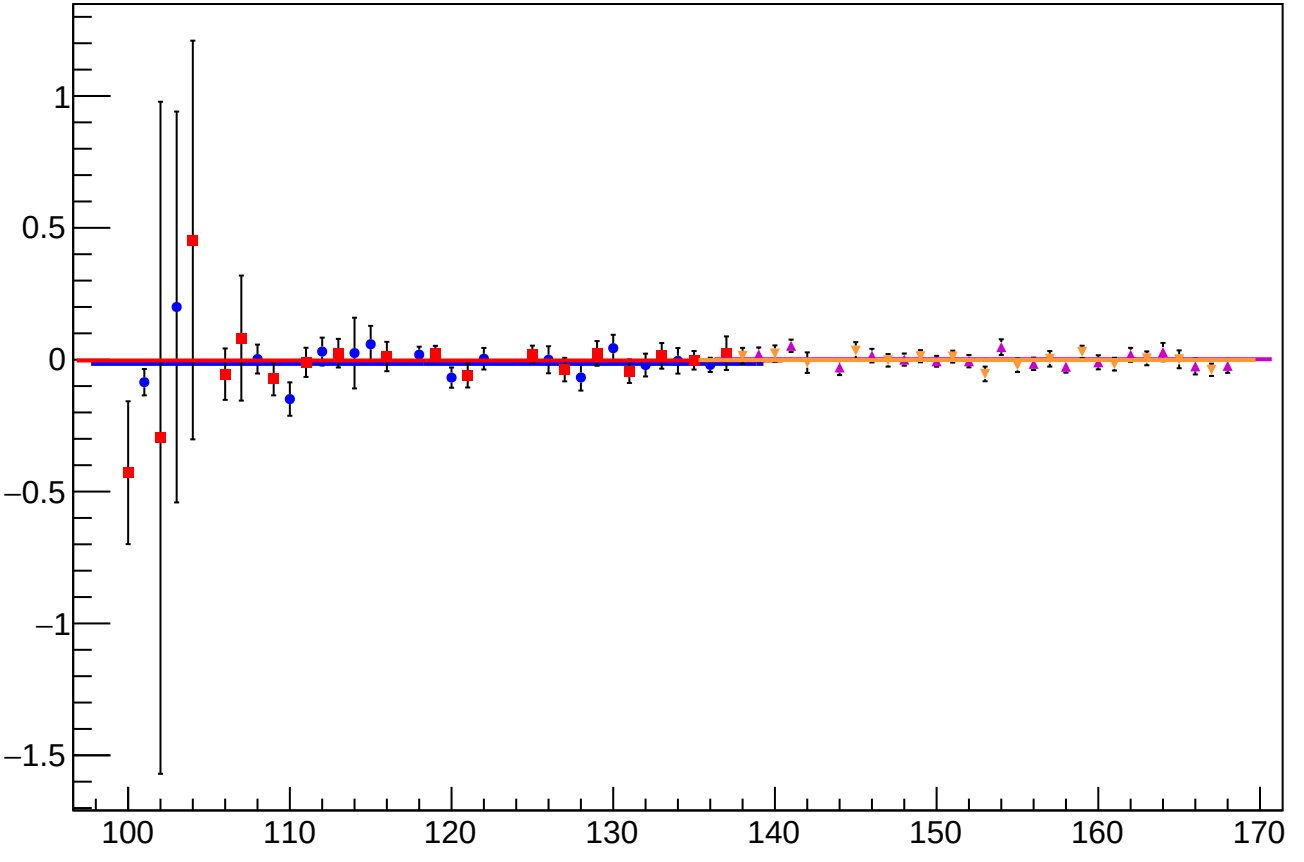
Left In: 0.000+/-0.000 χ^2/NDF:1726697.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 3530679.9/30

All: 0.000+/-0.000 χ^2/NDF: 8044241.9/63

- sign 0.000+/-0.000 χ^2/NDF: 4441398.4/32

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: -0.001+/-0.007 χ^2/NDF:11.8/14

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

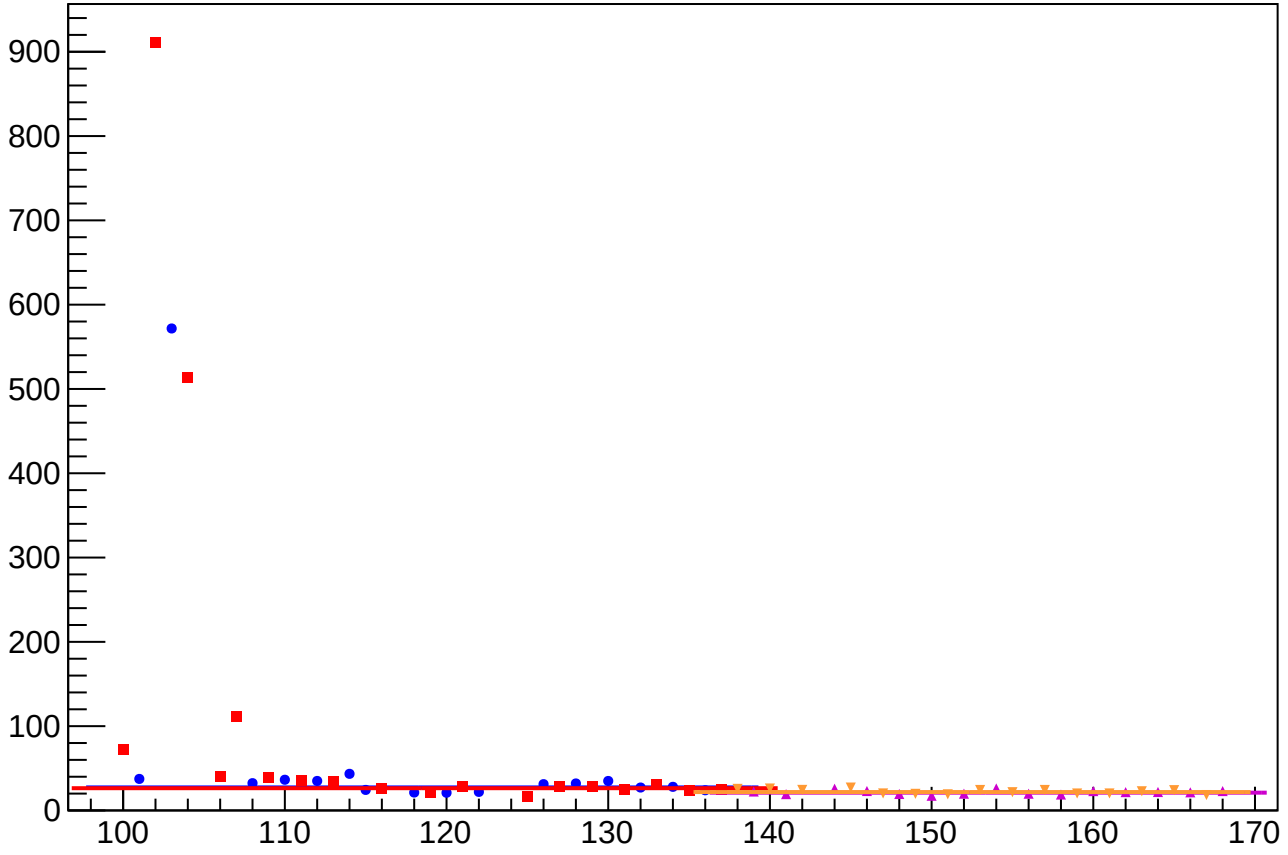
Left In: 0.002+/-0.007 χ^2/NDF:14.2/14

+ sign -0.005+/-0.006 χ^2/NDF: 27.6/30

All: -0.002+/-0.004 χ^2/NDF: 52.3/63

- sign 0.001+/-0.006 χ^2/NDF: 24.2/32

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: 21.801+/-0.005 χ^2/NDF:291982.2/14

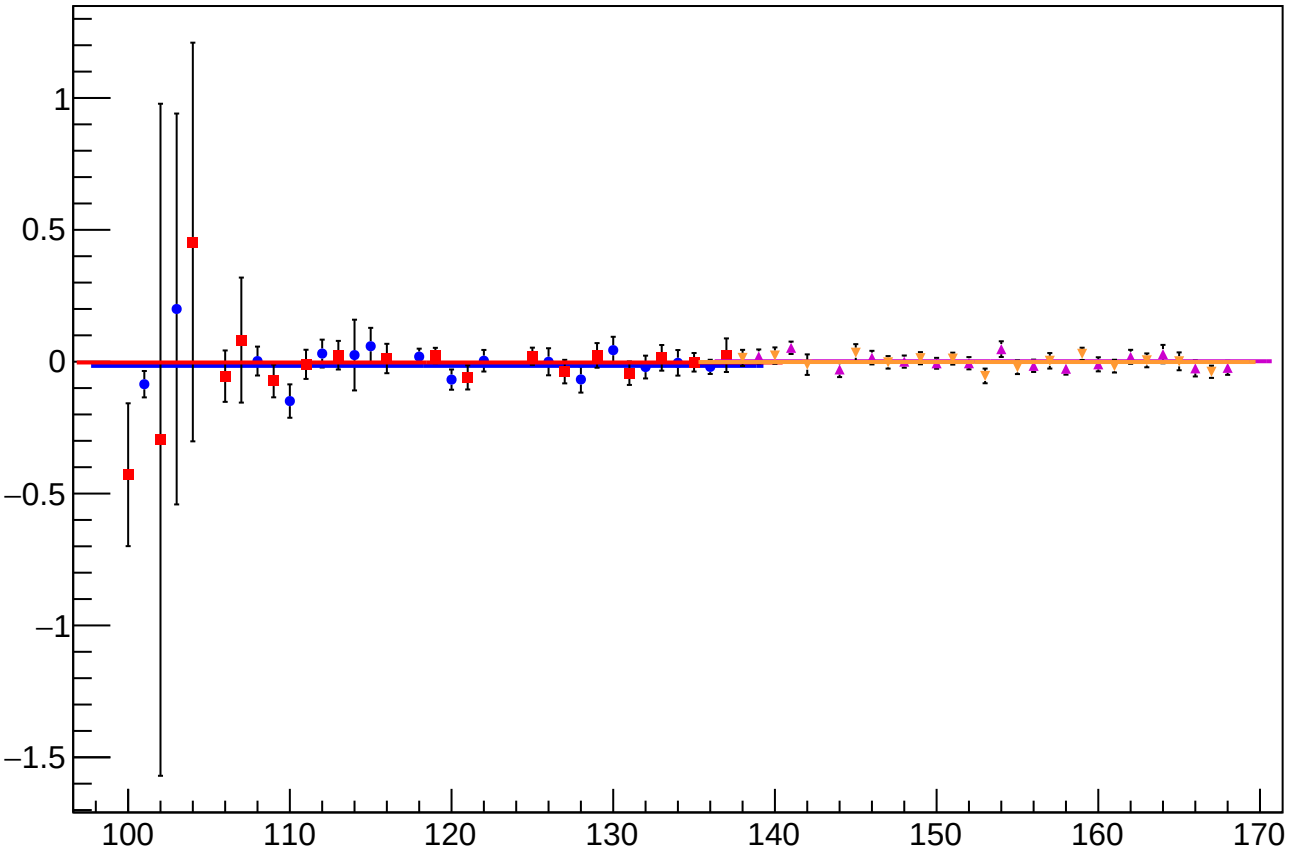
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.108+/-0.005 χ^2/NDF:261695.2/14

+ sign 23.247+/-0.004 χ^2/NDF: 2194614.9/30

All: 22.777+/-0.003 χ^2/NDF: 5393648.6/63

- sign 22.330+/-0.004 χ^2/NDF: 3174467.1/32



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.001+/-0.007 χ^2/NDF:11.8/14

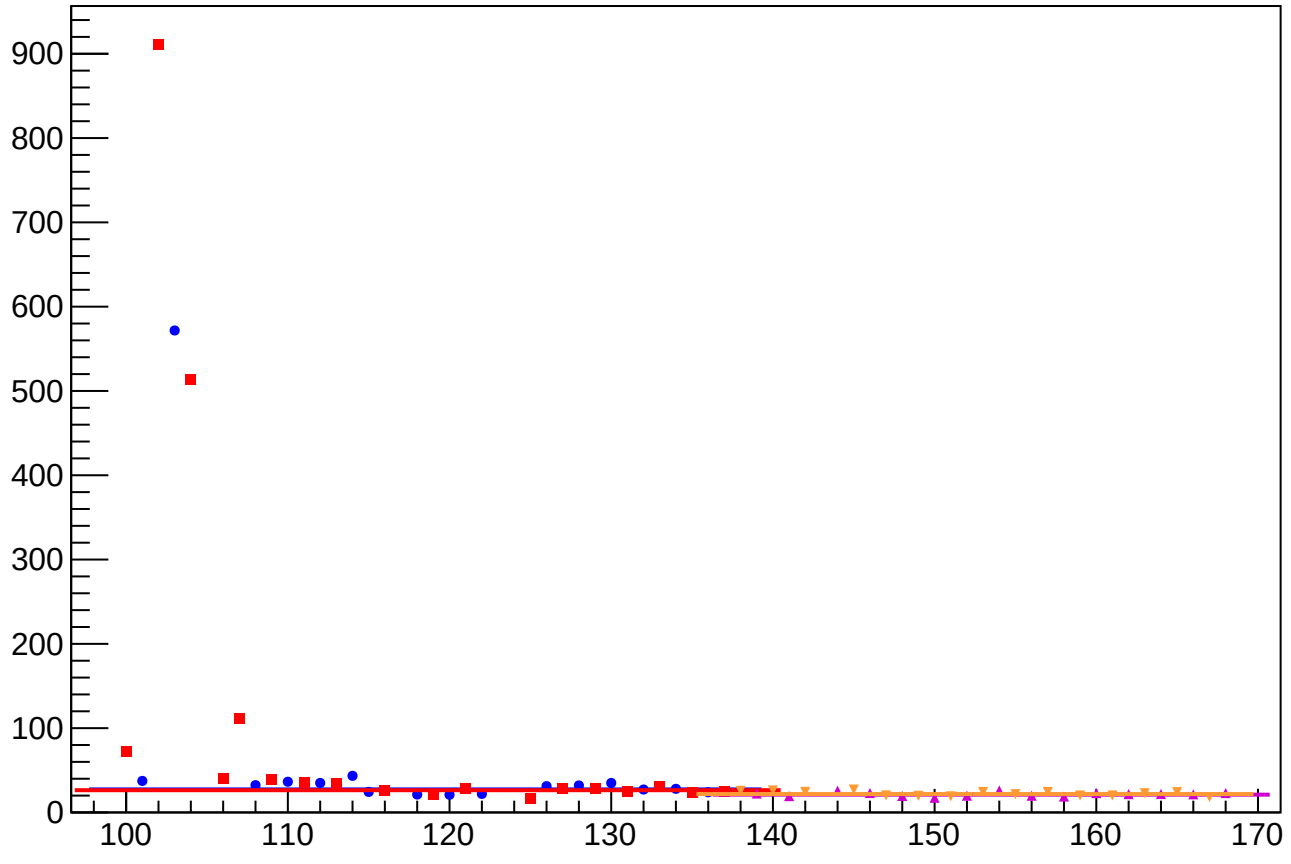
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.002+/-0.007 χ^2/NDF:14.2/14

+ sign -0.005+/-0.006 χ^2/NDF: 27.6/30

All: -0.002+/-0.004 χ^2/NDF: 52.3/63

- sign 0.001+/-0.006 χ^2/NDF: 24.2/32



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.801+/-0.005 χ^2/NDF:291982.2/14

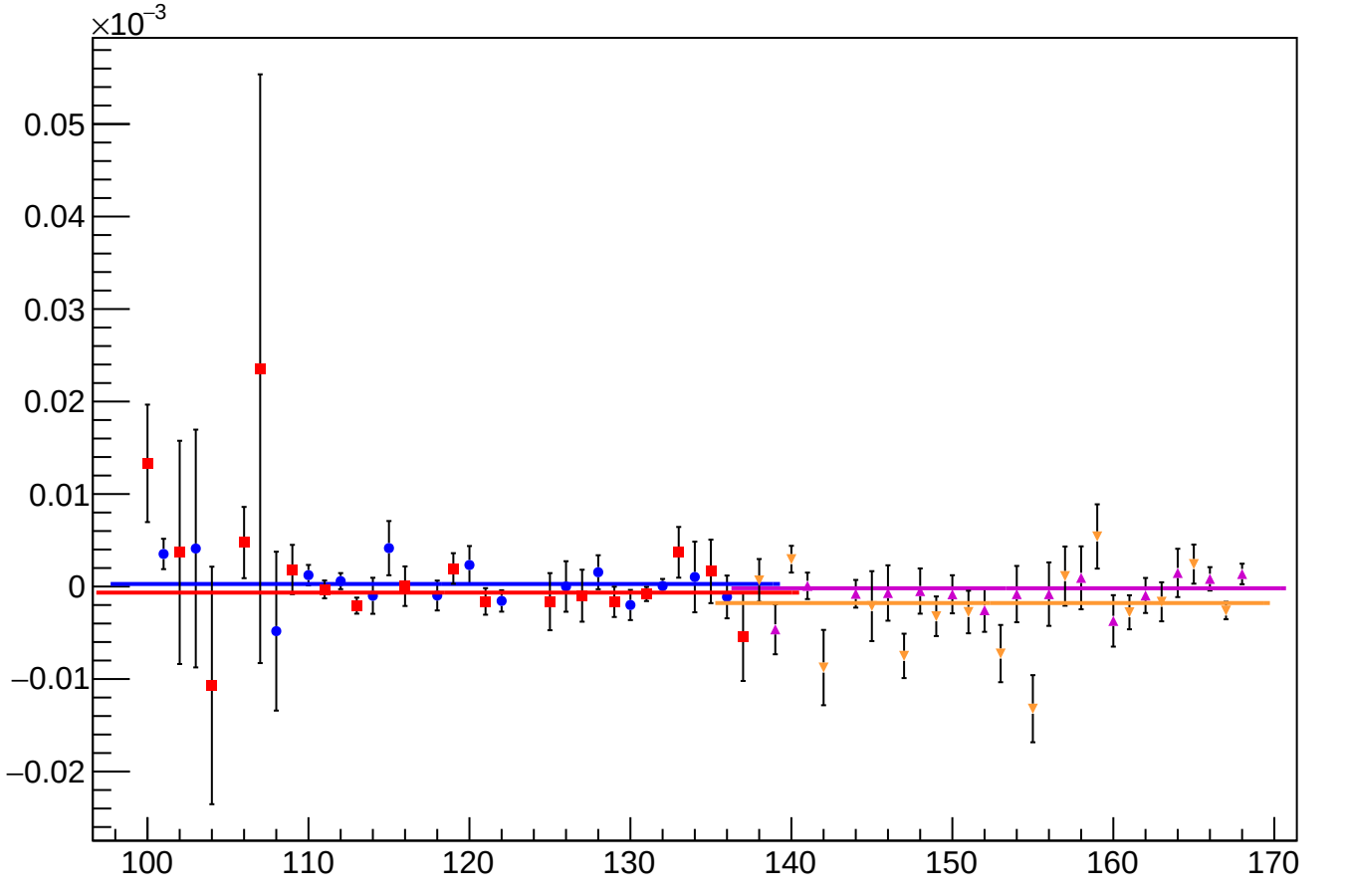
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.108+/-0.005 χ^2/NDF:261695.2/14

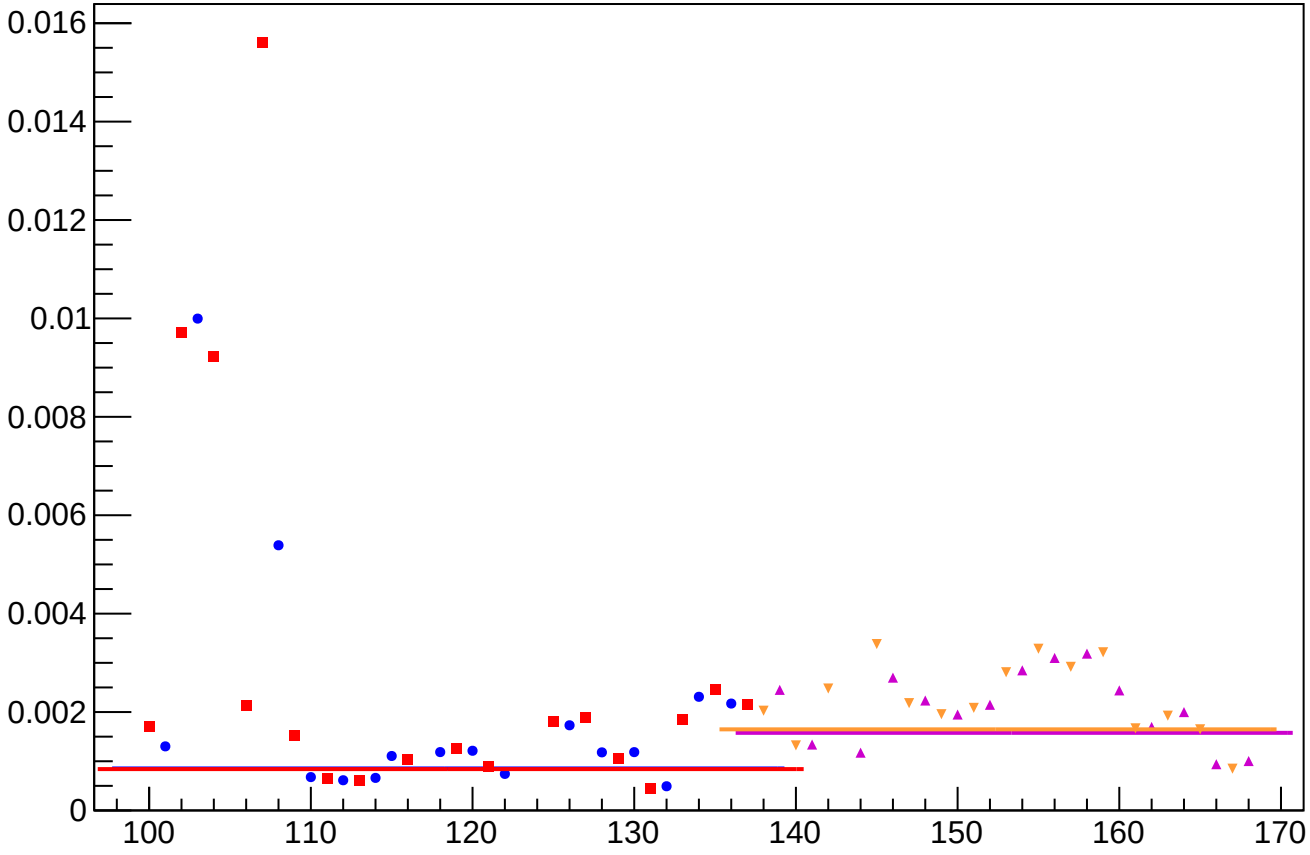
+ sign 23.247+/-0.004 χ^2/NDF: 2194614.9/30

All: 22.777+/-0.003 χ^2/NDF: 5393648.6/63

- sign 22.330+/-0.004 χ^2/NDF: 3174467.1/32


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: -0.000+/-0.000 χ²/NDF:44.2/14
Right Out: -0.000+/-0.000 χ²/NDF: 19.3/17
Left In: -0.000+/-0.000 χ²/NDF:9.0/14
+ sign -0.000+/-0.000 χ²/NDF: 68.8/30
All: -0.000+/-0.000 χ²/NDF: 97.7/63
- sign -0.000+/-0.000 χ²/NDF: 28.9/32

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:3750162.3/14

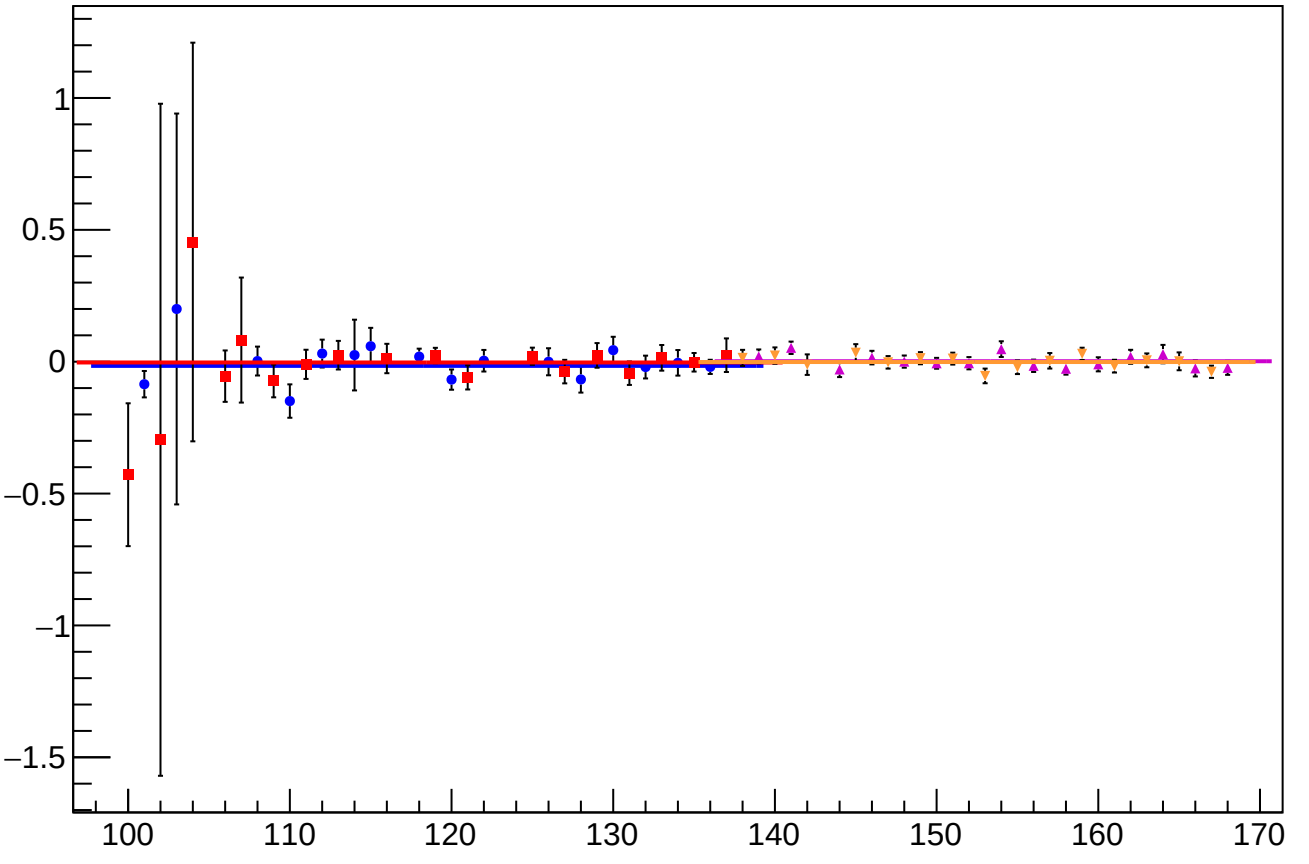
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:3502485.6/14

+ sign 0.001+/-0.000 χ^2/NDF: 10628943.6/30

All: 0.001+/-0.000 χ^2/NDF: 21841932.6/63

- sign 0.001+/-0.000 χ^2/NDF: 11212432.8/32



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.001+/-0.007 χ^2/NDF:11.8/14

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

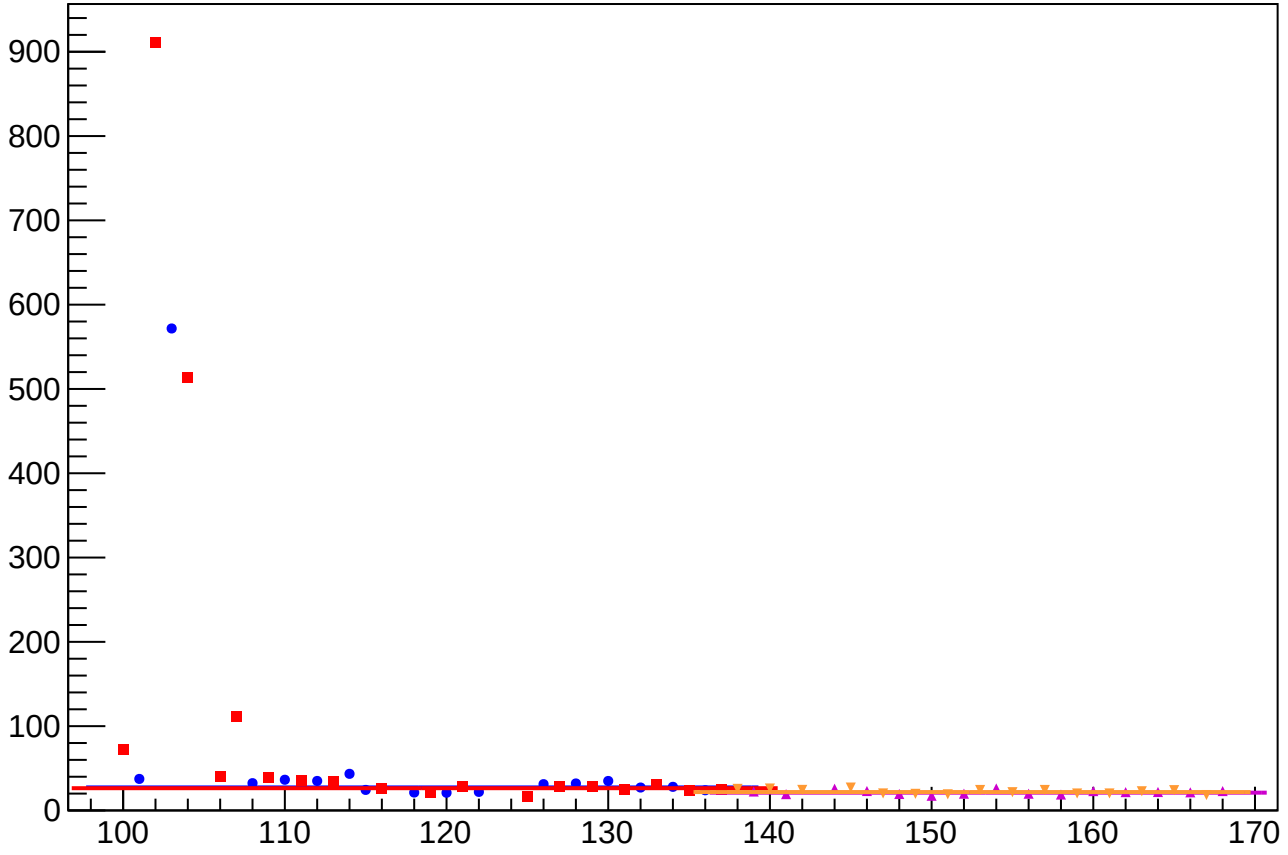
Left In: 0.002+/-0.007 χ^2/NDF:14.2/14

+ sign -0.005+/-0.006 χ^2/NDF: 27.6/30

All: -0.002+/-0.004 χ^2/NDF: 52.3/63

- sign 0.001+/-0.006 χ^2/NDF: 24.2/32

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.801+/-0.005 χ^2/NDF:291961.3/14

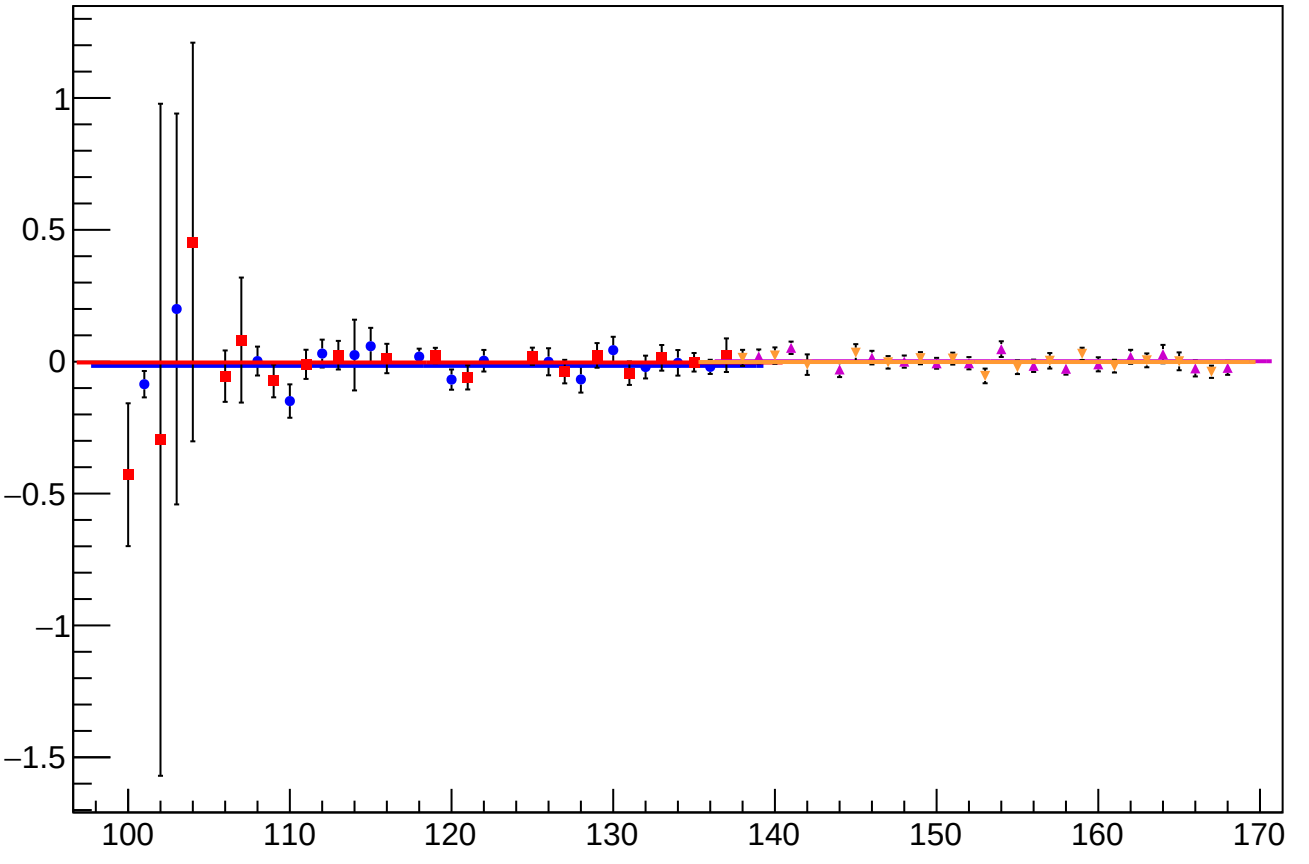
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.108+/-0.005 χ^2/NDF:261711.6/14

\+ sign 23.247+/-0.004 χ^2/NDF: 2194600.1/30

All: 22.777+/-0.003 χ^2/NDF: 5393665.4/63

\- sign 22.330+/-0.004 χ^2/NDF: 3174502.0/32



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.001+/-0.007 χ^2/NDF:11.8/14

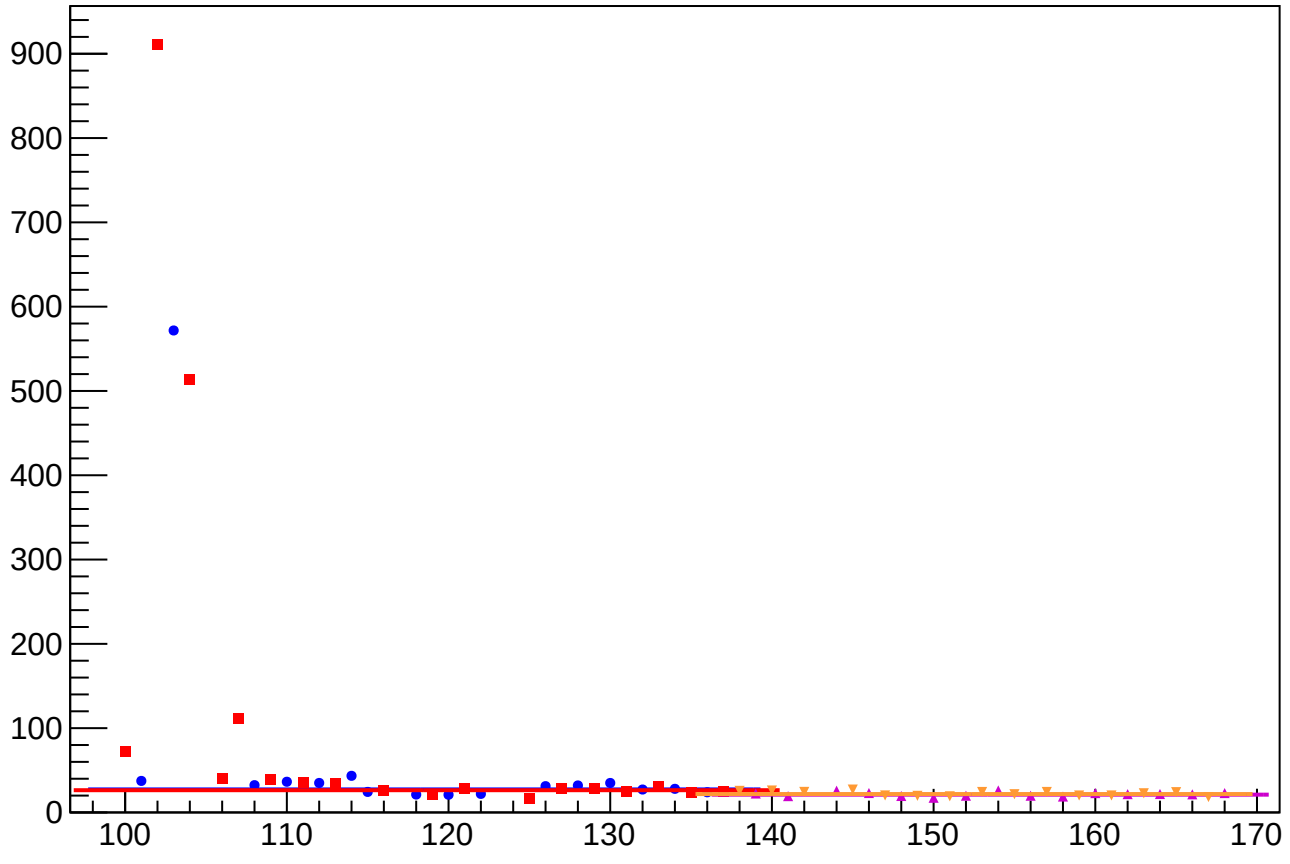
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.002+/-0.007 χ^2/NDF:14.2/14

+ sign -0.005+/-0.006 χ^2/NDF: 27.6/30

All: -0.002+/-0.004 χ^2/NDF: 52.3/63

- sign 0.001+/-0.006 χ^2/NDF: 24.2/32



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.801+/-0.005 χ^2/NDF:291961.3/14

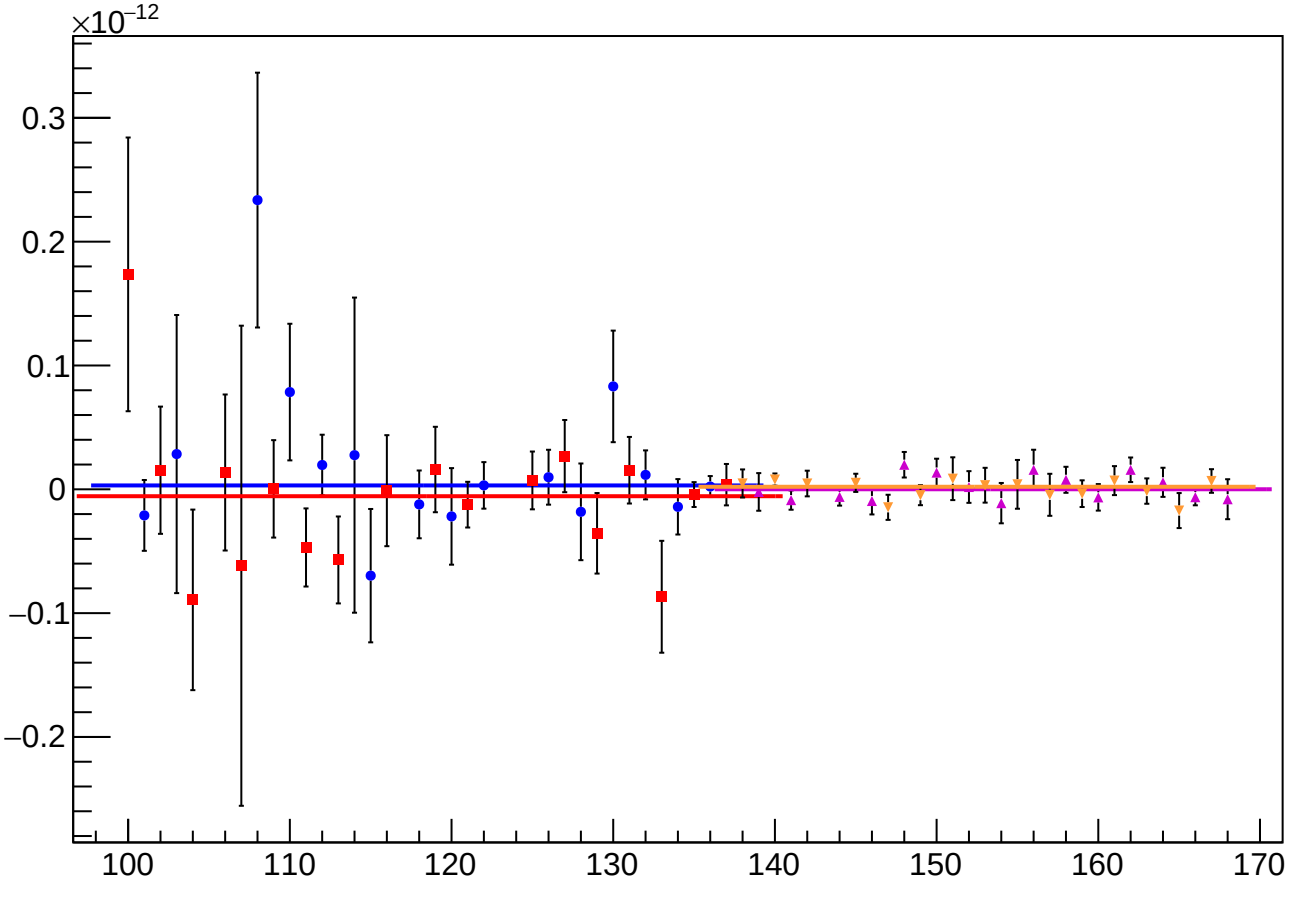
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.108+/-0.005 χ^2/NDF:261711.6/14

+ sign 23.247+/-0.004 χ^2/NDF: 2194600.1/30

All: 22.777+/-0.003 χ^2/NDF: 5393665.4/63

- sign 22.330+/-0.004 χ^2/NDF: 3174502.0/32



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/14

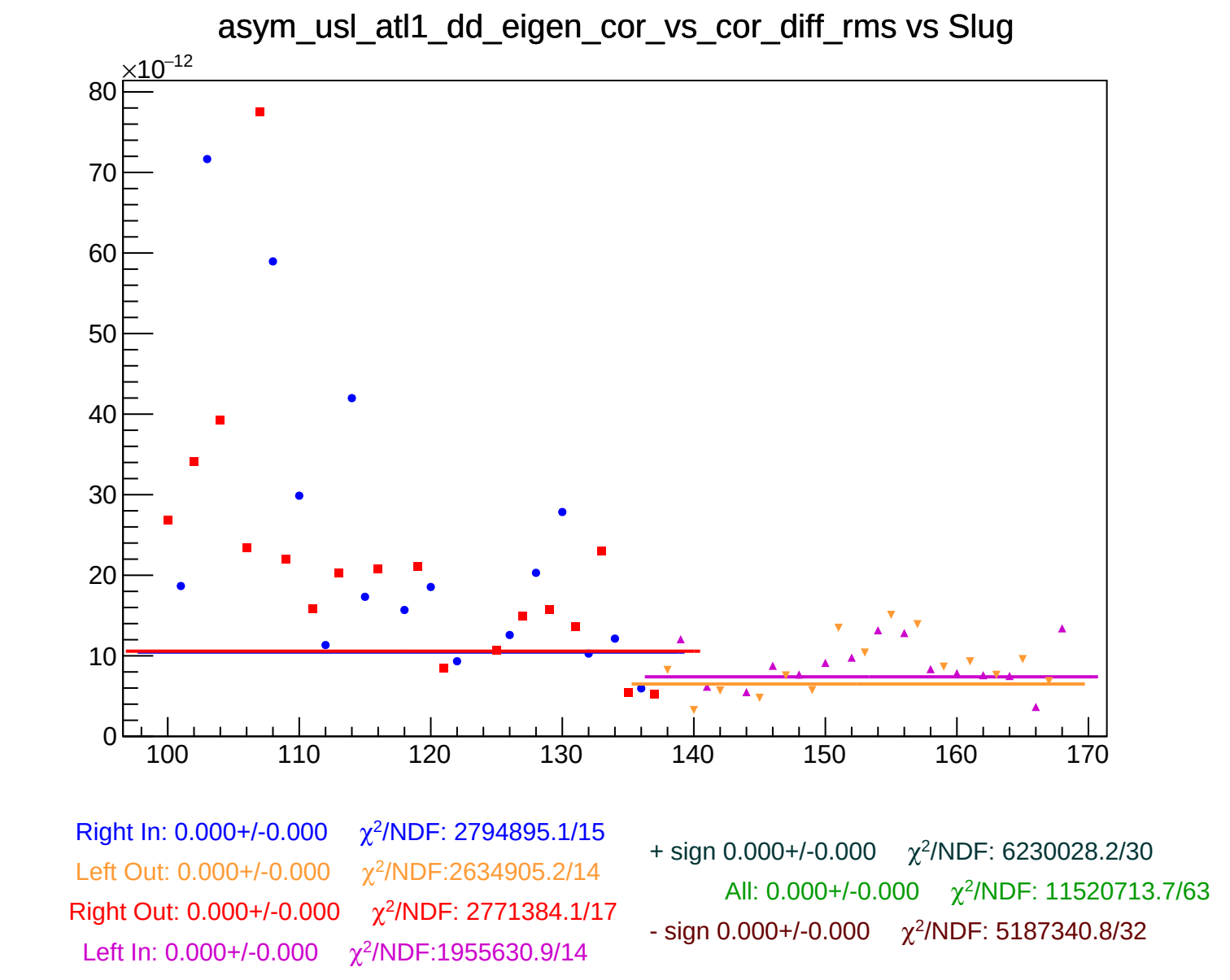
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:14.2/14

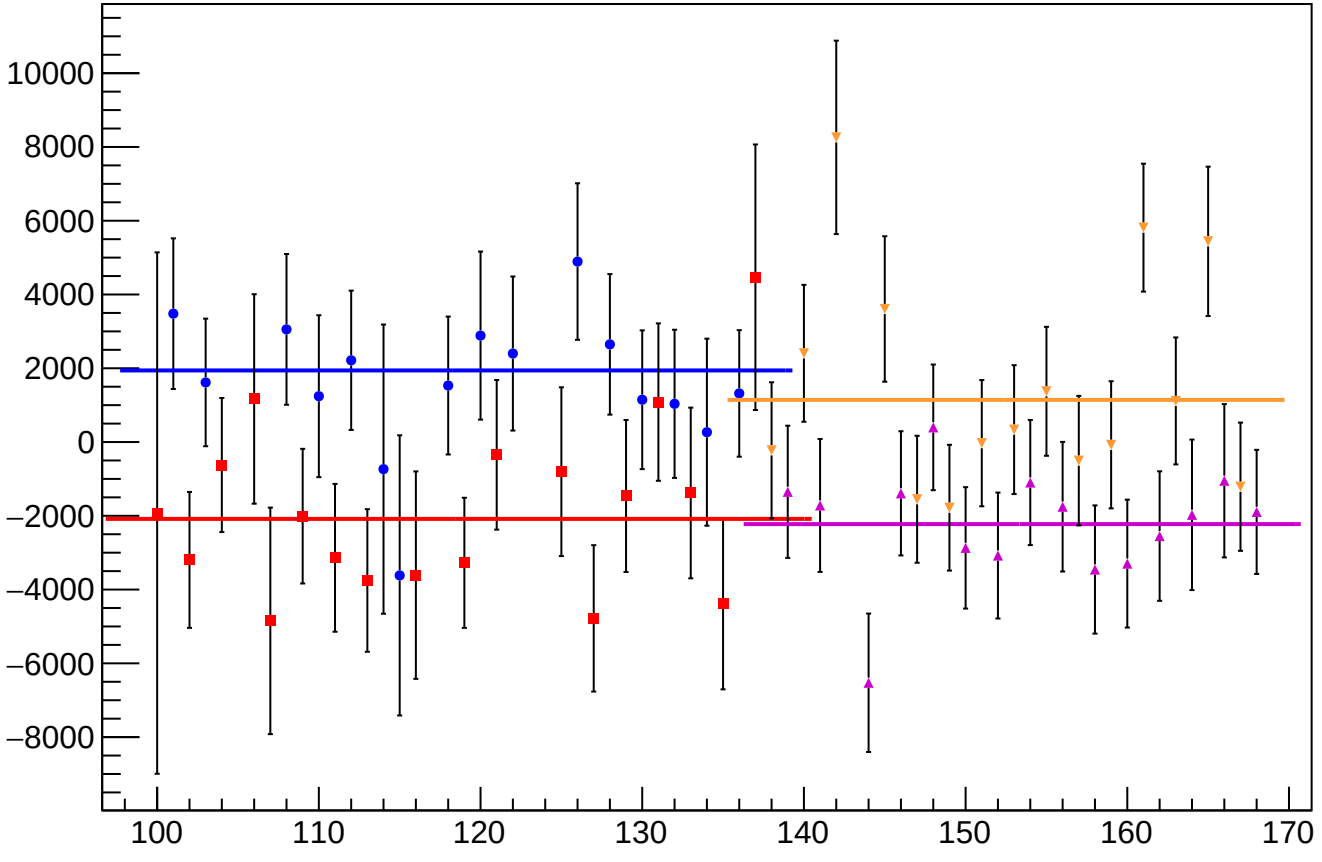
+ sign 0.000+/-0.000 χ^2/NDF: 23.1/30

All: 0.000+/-0.000 χ^2/NDF: 54.1/63

- sign -0.000+/-0.000 χ^2/NDF: 30.2/32


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:2634905.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:1955630.9/14
+ sign 0.000+/-0.000 χ²/NDF: 6230028.2/30
All: 0.000+/-0.000 χ²/NDF: 11520713.7/63
- sign 0.000+/-0.000 χ²/NDF: 5187340.8/32

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1142.715+/-467.743 χ^2/NDF:31.0/14

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

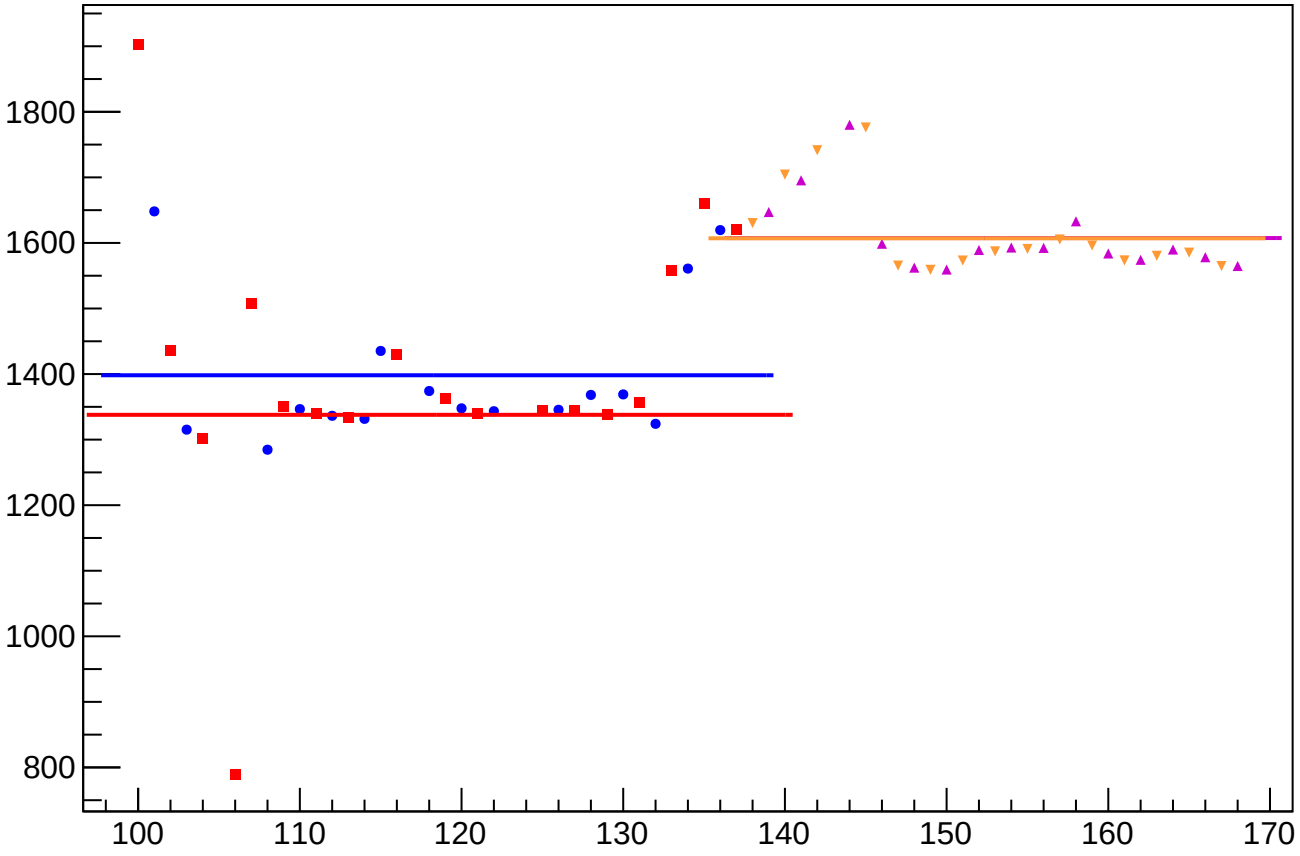
Left In: -2225.123+/-456.564 χ^2/NDF:10.4/14

+ sign 1498.085+/-348.404 χ^2/NDF: 39.2/30

All: -361.553+/-244.414 χ^2/NDF: 120.2/63

- sign -2163.613+/-342.968 χ^2/NDF: 24.9/32

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1607.117+/-0.331 χ^2/NDF:32461.6/14

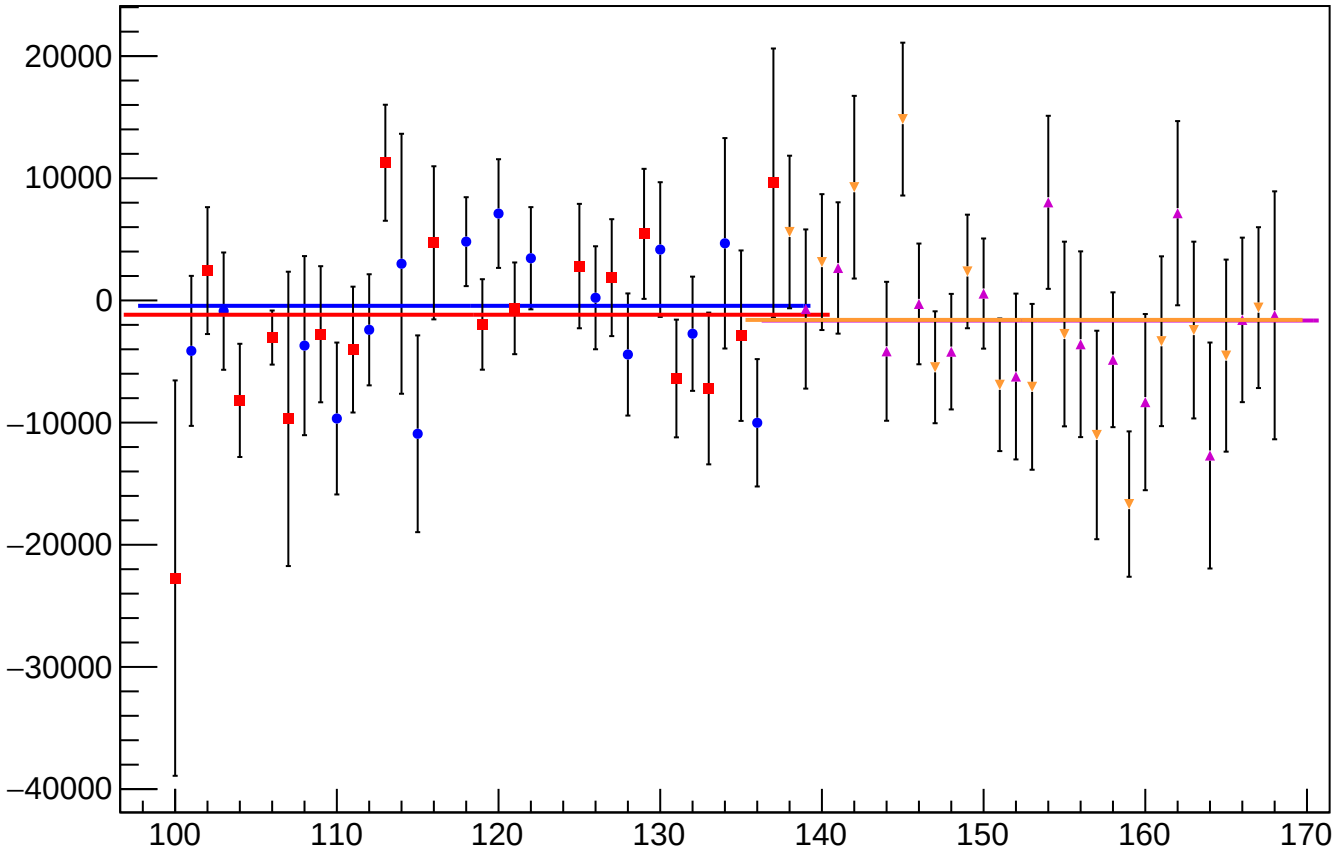
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1607.452+/-0.323 χ^2/NDF:29742.9/14

+ sign 1514.094+/-0.246 χ^2/NDF: 304074.0/30

All: 1499.494+/-0.172 χ^2/NDF: 973270.1/63

- sign 1485.740+/-0.239 χ^2/NDF: 662375.9/32



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -1594.068+/-1602.224 χ^2/NDF:22.0/14

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

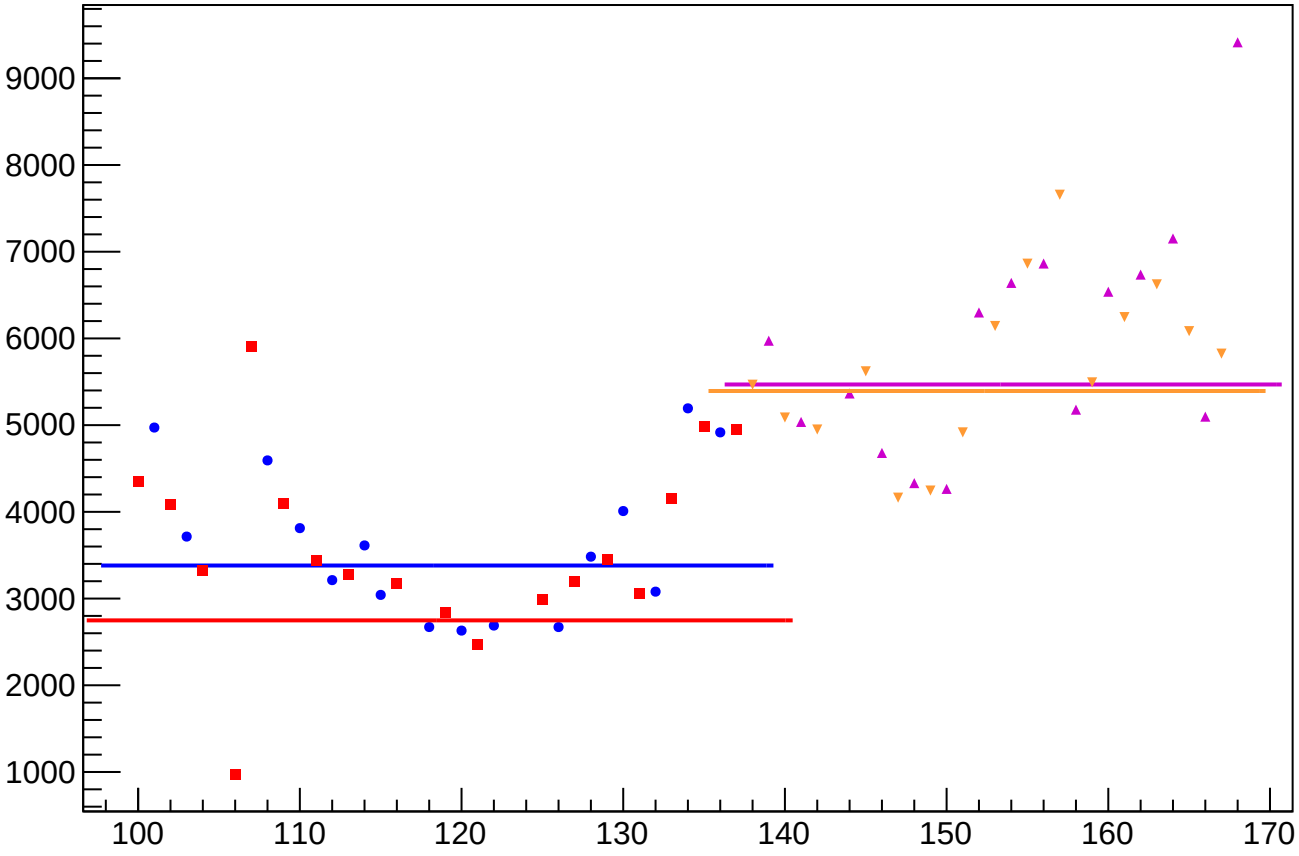
Left In: -1644.648+/-1589.009 χ^2/NDF:7.8/14

+ sign -897.095+/-1007.589 χ^2/NDF: 38.2/30

All: -1133.463+/-677.536 χ^2/NDF: 65.9/63

- sign -1328.553+/-915.392 χ^2/NDF: 27.6/32

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5393.803+/-1.133 χ^2/NDF:650696.2/14

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

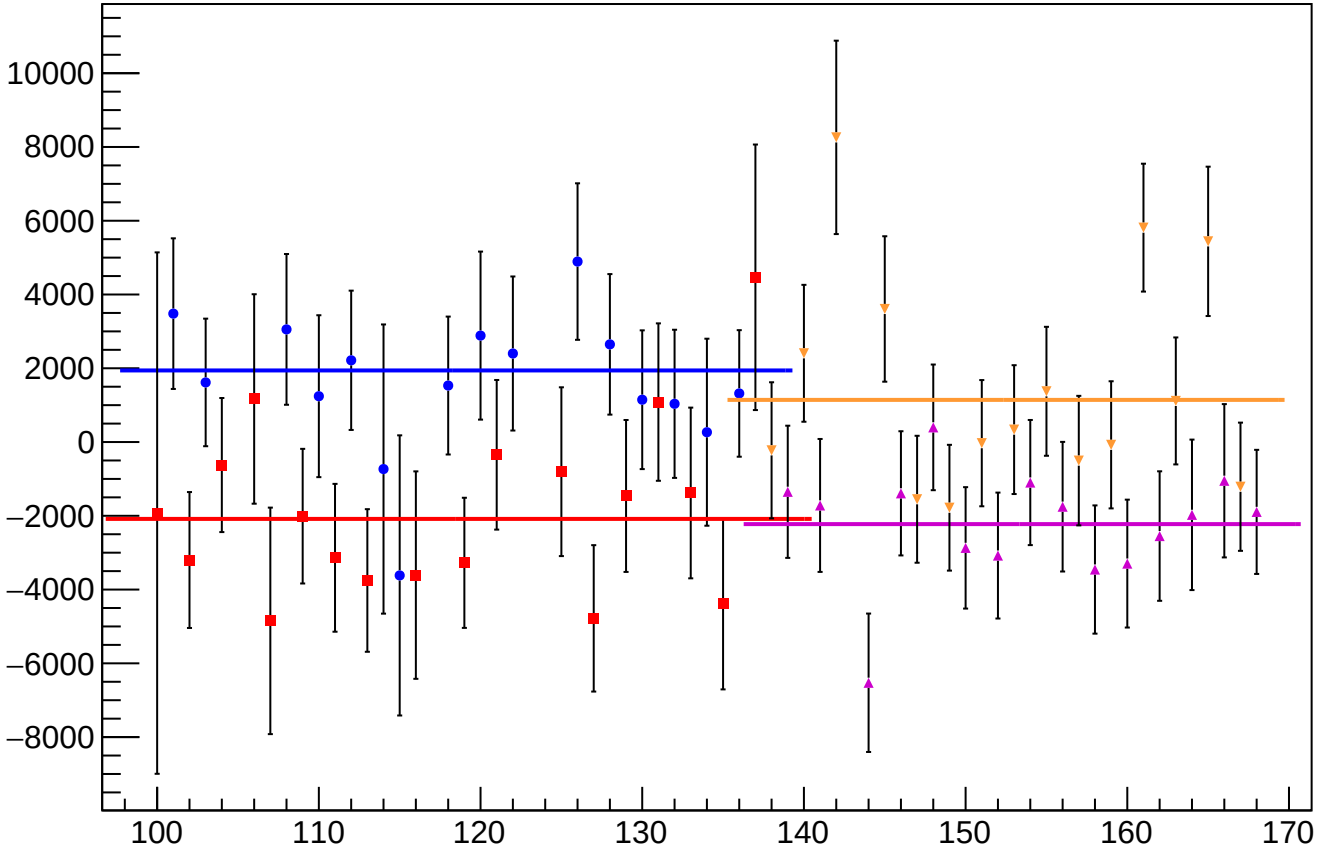
Left In: 5468.911+/-1.124 χ^2/NDF:967793.2/14

+ sign 4177.087+/-0.712 χ^2/NDF: 3315712.4/30

All: 3889.001+/-0.479 χ^2/NDF: 10763488.4/6

- sign 3651.224+/-0.647 χ^2/NDF: 7149335.7/32

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1142.755+/-467.743 χ^2/NDF:31.0/14

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

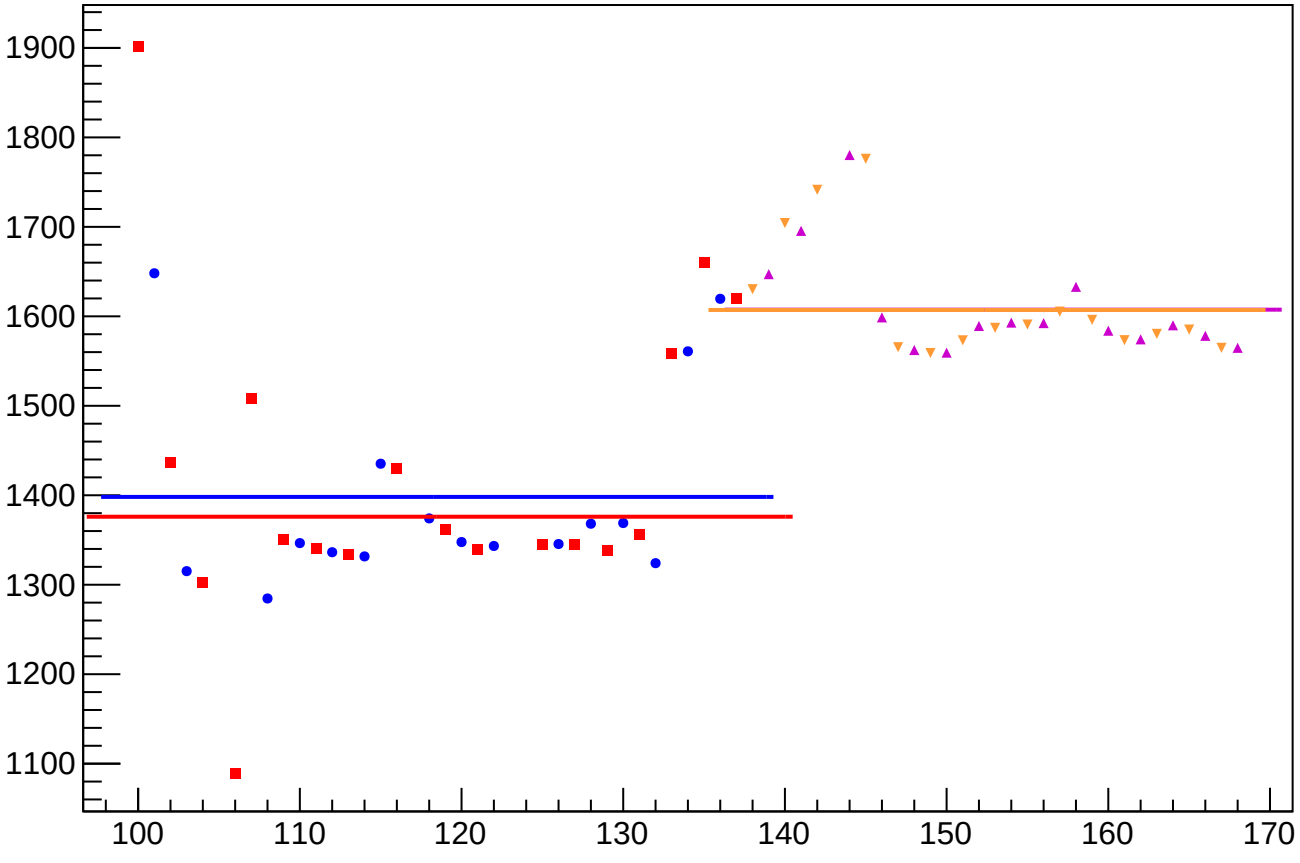
Left In: -2225.241+/-456.564 χ^2/NDF:10.4/14

+ sign 1498.132+/-348.404 χ^2/NDF: 39.2/30

All: -361.607+/-244.415 χ^2/NDF: 120.3/63

- sign -2163.774+/-342.969 χ^2/NDF: 24.9/32

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1607.117+/-0.331 χ^2/NDF:32461.5/14

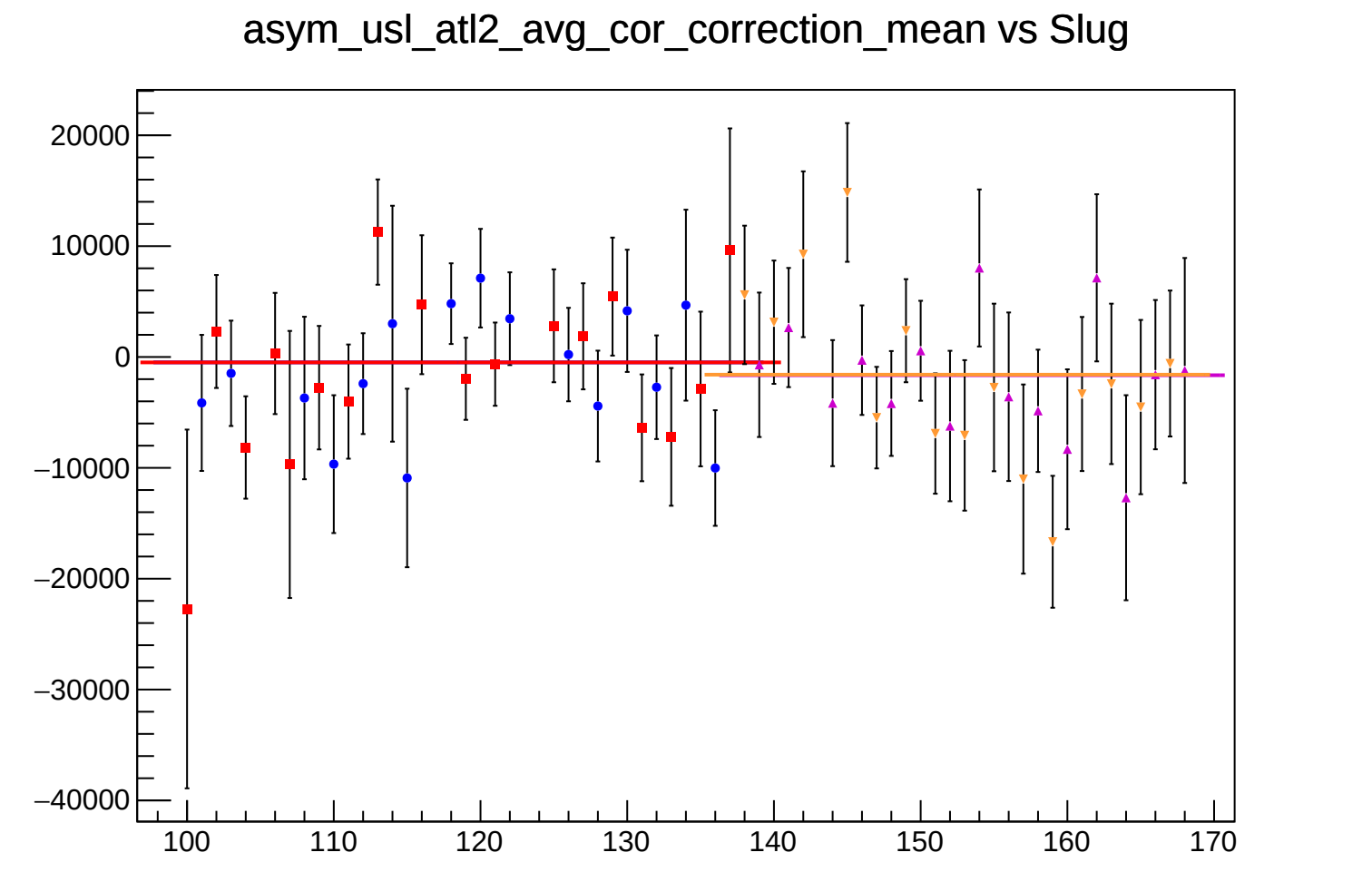
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1607.452+/-0.323 χ^2/NDF:29742.8/14

\+ sign 1514.094+/-0.246 χ^2/NDF: 304074.2/30

All: 1509.495+/-0.172 χ^2/NDF: 675823.7/63

\- sign 1505.091+/-0.241 χ^2/NDF: 371067.3/32



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1594.096+/-1602.224 χ^2/NDF:22.0/14

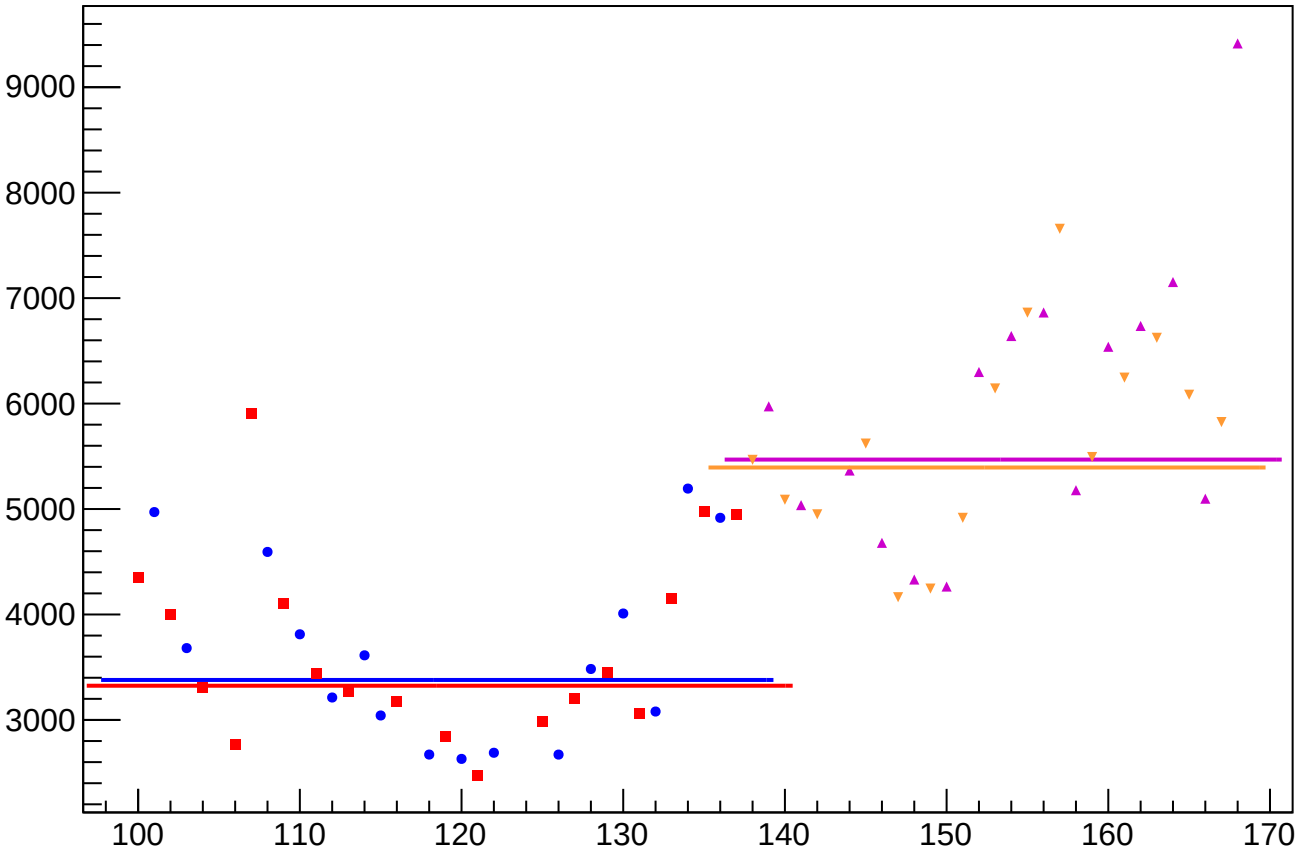
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1644.765+/-1589.008 χ^2/NDF:7.8/14

+ sign -924.163+/-1007.126 χ^2/NDF: 38.3/30

All: -929.937+/-705.255 χ^2/NDF: 65.1/63

- sign -935.492+/-987.914 χ^2/NDF: 26.9/32



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5393.805+/-1.133 χ^2/NDF:650693.4/14

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

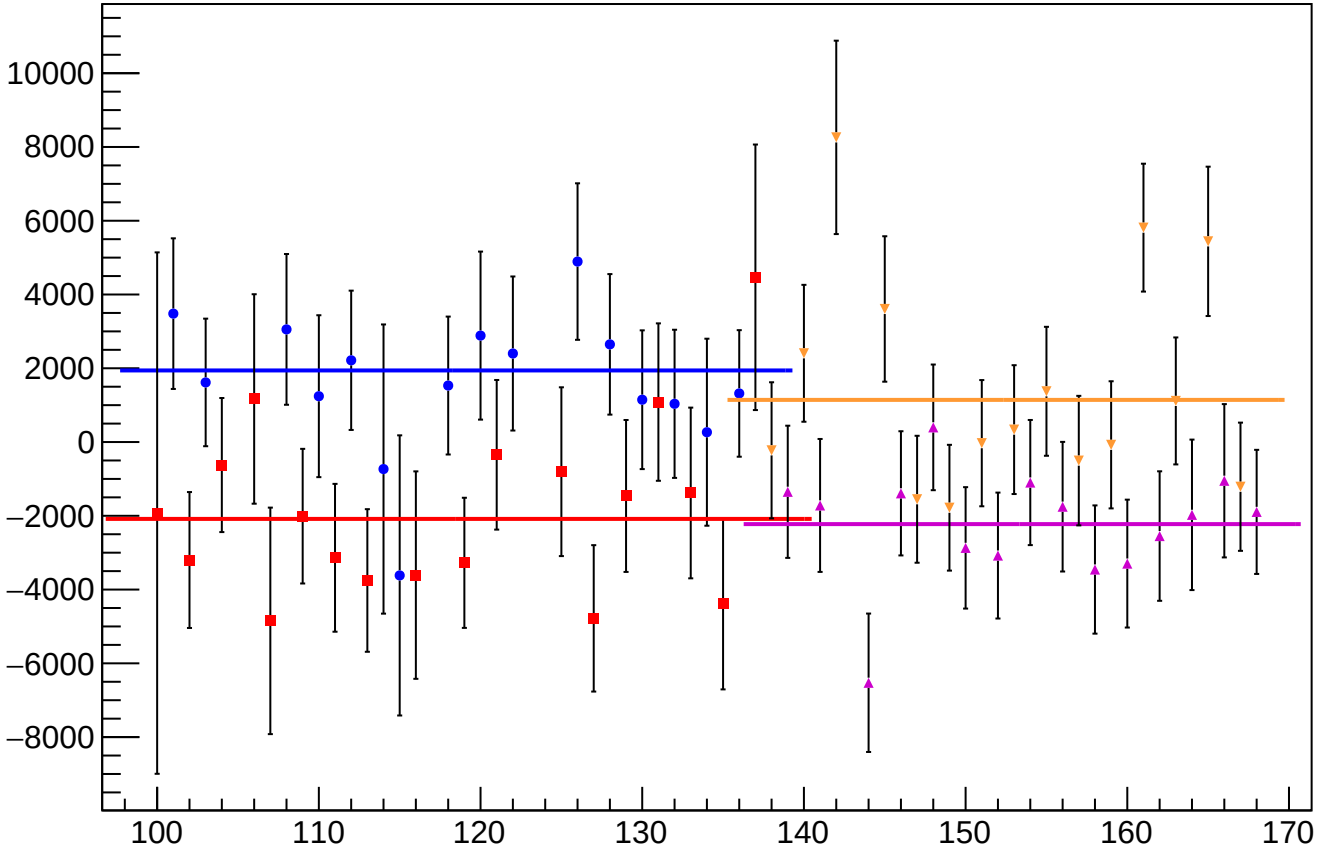
Left In: 5468.907+/-1.124 χ^2/NDF:967802.6/14

+ sign 4175.141+/-0.712 χ^2/NDF: 3318862.9/30

All: 4164.037+/-0.499 χ^2/NDF: 7065576.9/63

- sign 4153.352+/-0.699 χ^2/NDF: 3746236.9/32

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1142.755+/-467.743 χ^2/NDF:31.0/14

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

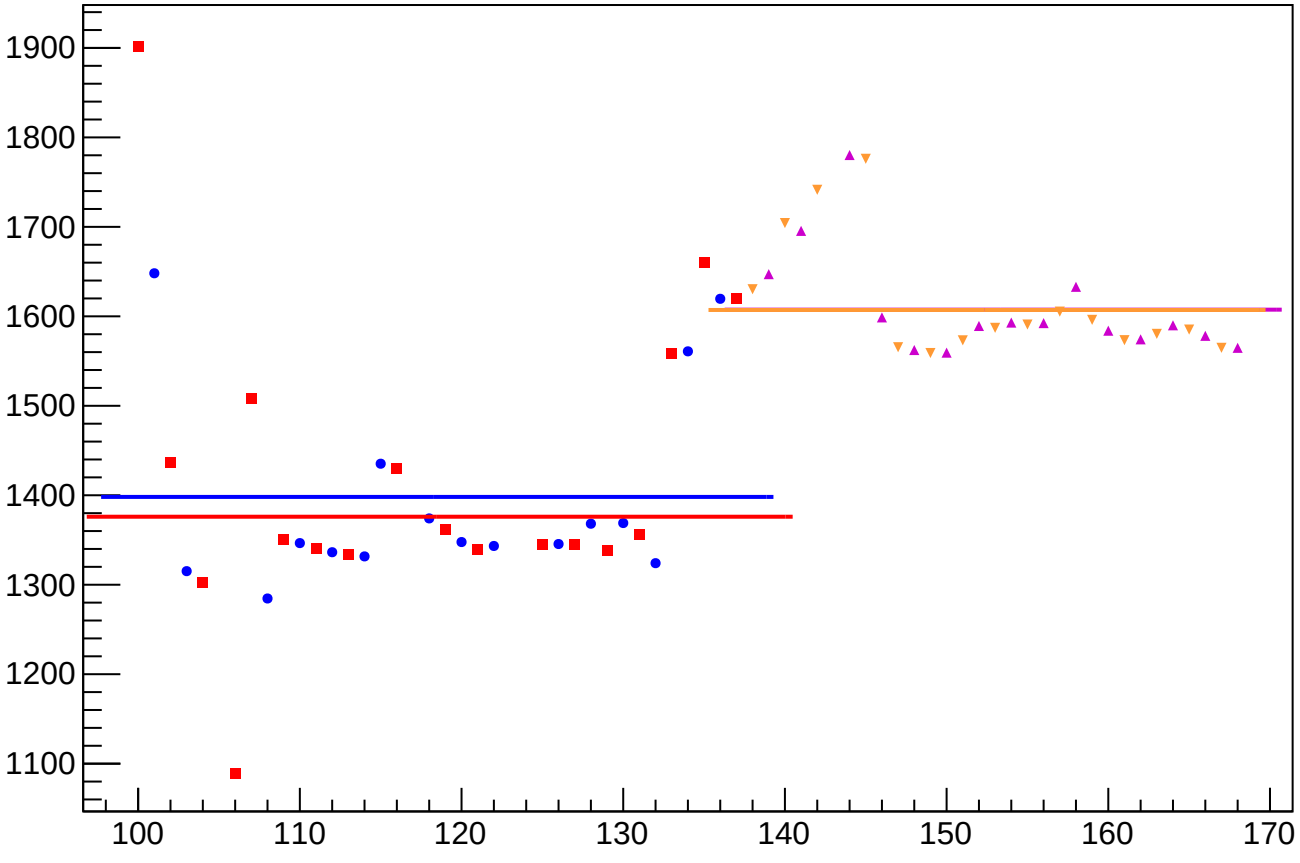
Left In: -2225.241+/-456.564 χ^2/NDF:10.4/14

+ sign 1498.132+/-348.404 χ^2/NDF: 39.2/30

All: -361.607+/-244.415 χ^2/NDF: 120.3/63

- sign -2163.774+/-342.969 χ^2/NDF: 24.9/32

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1607.117+/-0.331 χ^2/NDF:32461.5/14

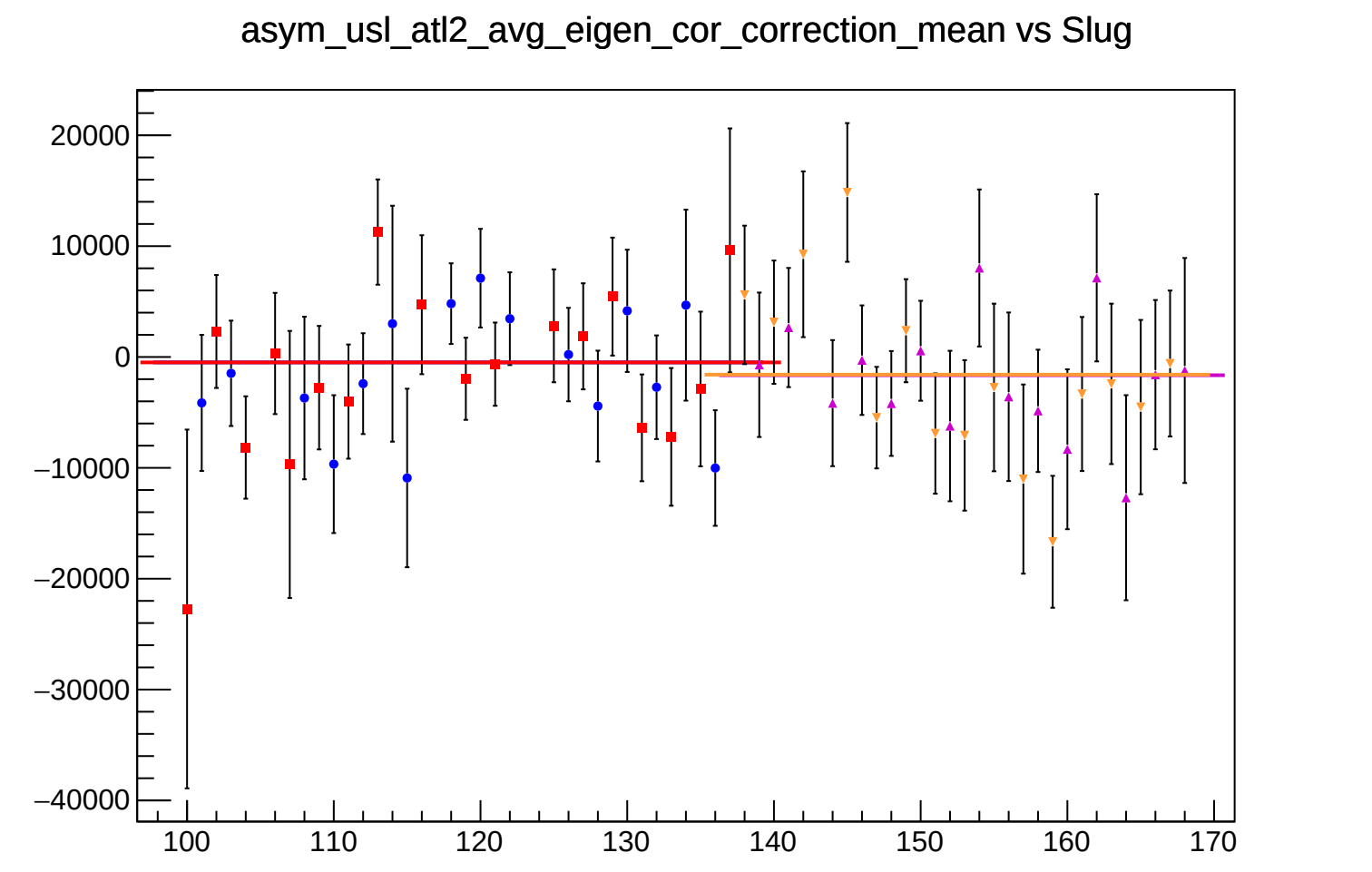
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1607.452+/-0.323 χ^2/NDF:29742.8/14

+ sign 1514.094+/-0.246 χ^2/NDF: 304074.2/30

All: 1509.495+/-0.172 χ^2/NDF: 675823.7/63

- sign 1505.091+/-0.241 χ^2/NDF: 371067.3/32



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1594.096+/-1602.224 χ^2/NDF:22.0/14

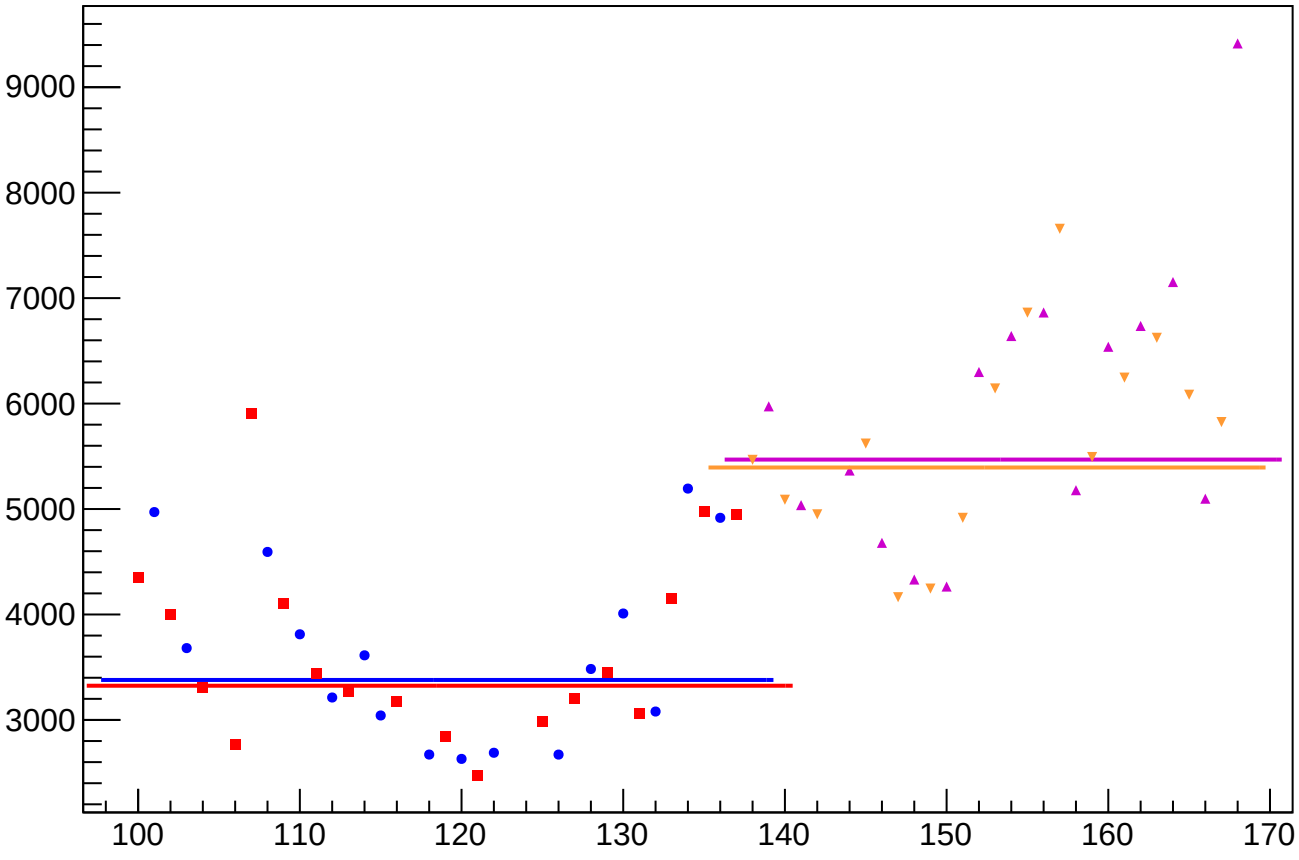
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1644.765+/-1589.008 χ^2/NDF:7.8/14

\+ sign -924.163+/-1007.126 χ^2/NDF: 38.3/30

All: -929.937+/-705.255 χ^2/NDF: 65.1/63

\- sign -935.492+/-987.914 χ^2/NDF: 26.9/32



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5393.805+/-1.133 χ^2/NDF:650693.4/14

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

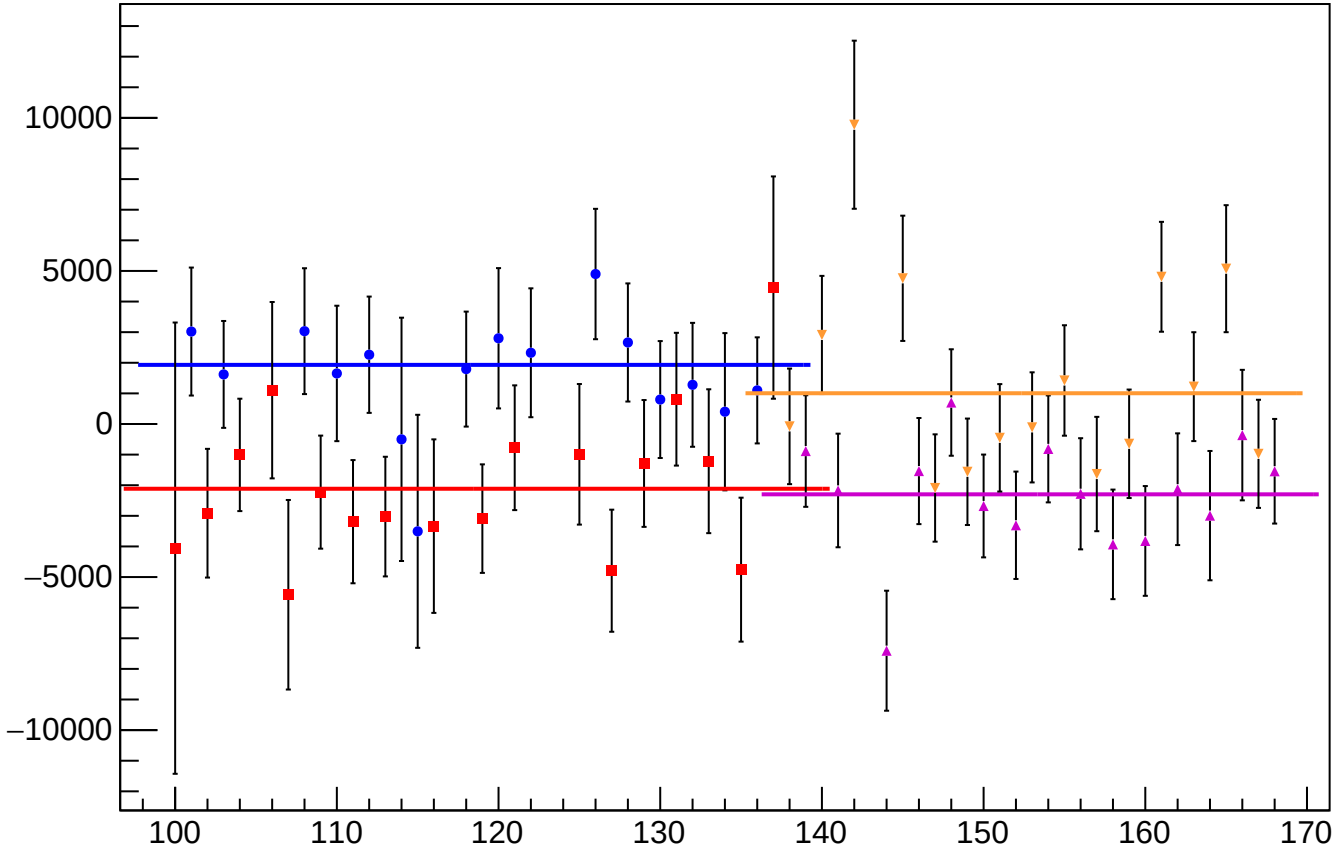
Left In: 5468.907+/-1.124 χ^2/NDF:967802.6/14

+ sign 4175.141+/-0.712 χ^2/NDF: 3318862.9/30

All: 4164.037+/-0.499 χ^2/NDF: 7065576.9/63

- sign 4153.352+/-0.699 χ^2/NDF: 3746236.9/32

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1004.726+/-482.110 χ^2/NDF:33.8/14

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

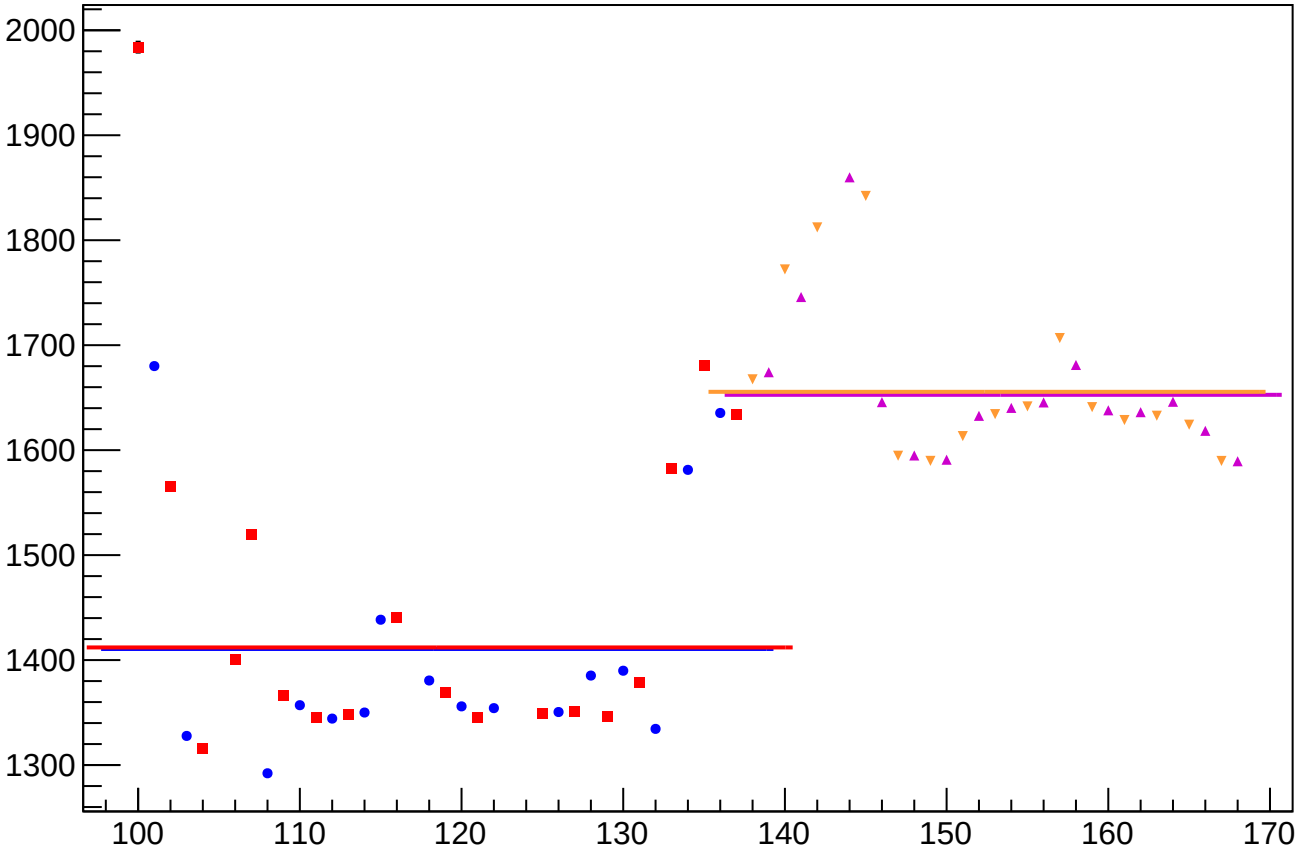
Left In: -2297.495+/-469.519 χ^2/NDF:14.4/14

+ sign 1426.865+/-355.758 χ^2/NDF: 41.8/30

All: -419.163+/-249.895 χ^2/NDF: 122.6/63

- sign -2217.132+/-351.097 χ^2/NDF: 27.6/32

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1655.566+/-0.341 χ^2/NDF:43013.9/14

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

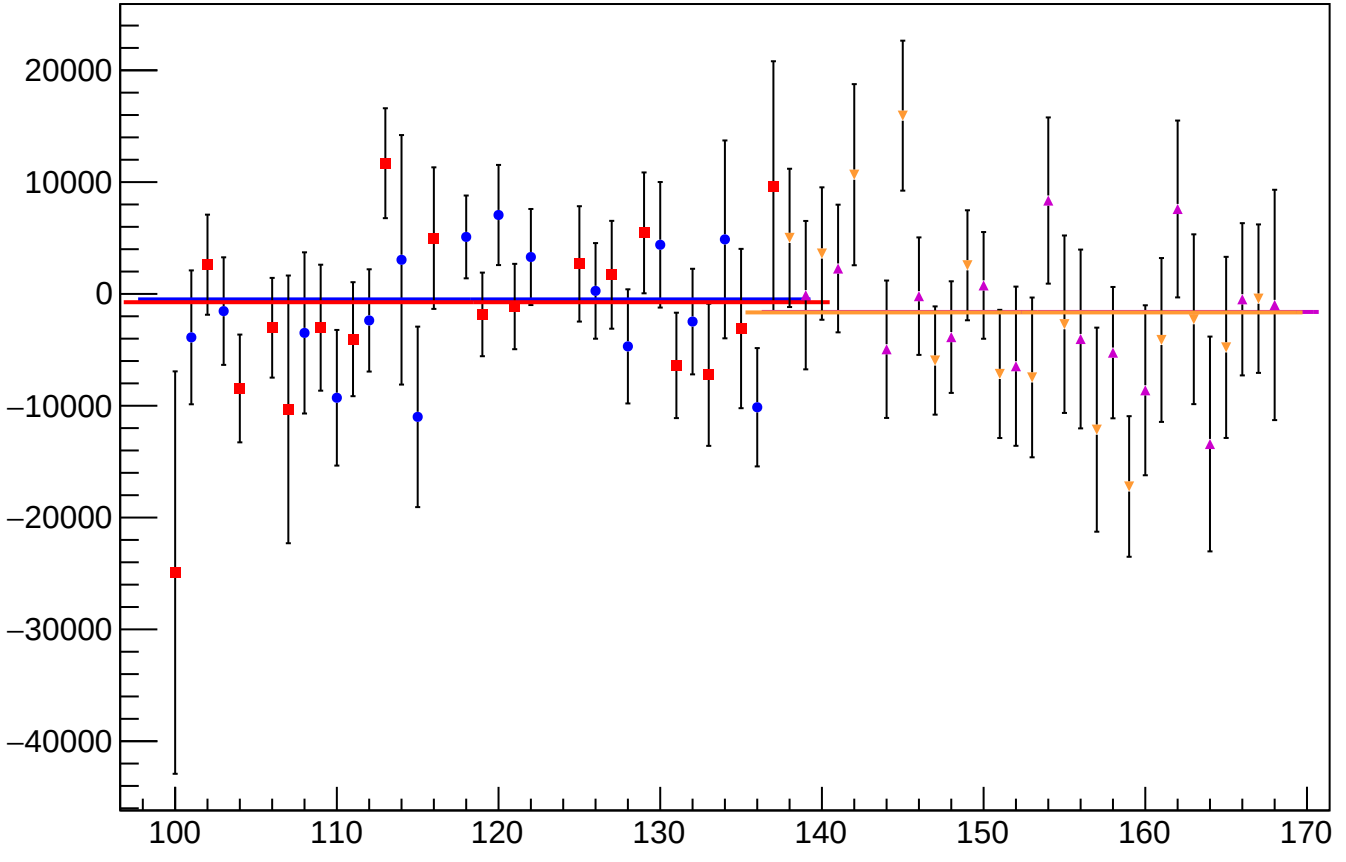
Left In: 1652.705+/-0.332 χ^2/NDF:37096.2/14

+ sign 1543.988+/-0.252 χ^2/NDF: 377360.7/30

All: 1545.161+/-0.177 χ^2/NDF: 736523.6/63

- sign 1546.300+/-0.248 χ^2/NDF: 359120.1/32

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -1653.514+/-1682.493 χ^2/NDF:22.0/14

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

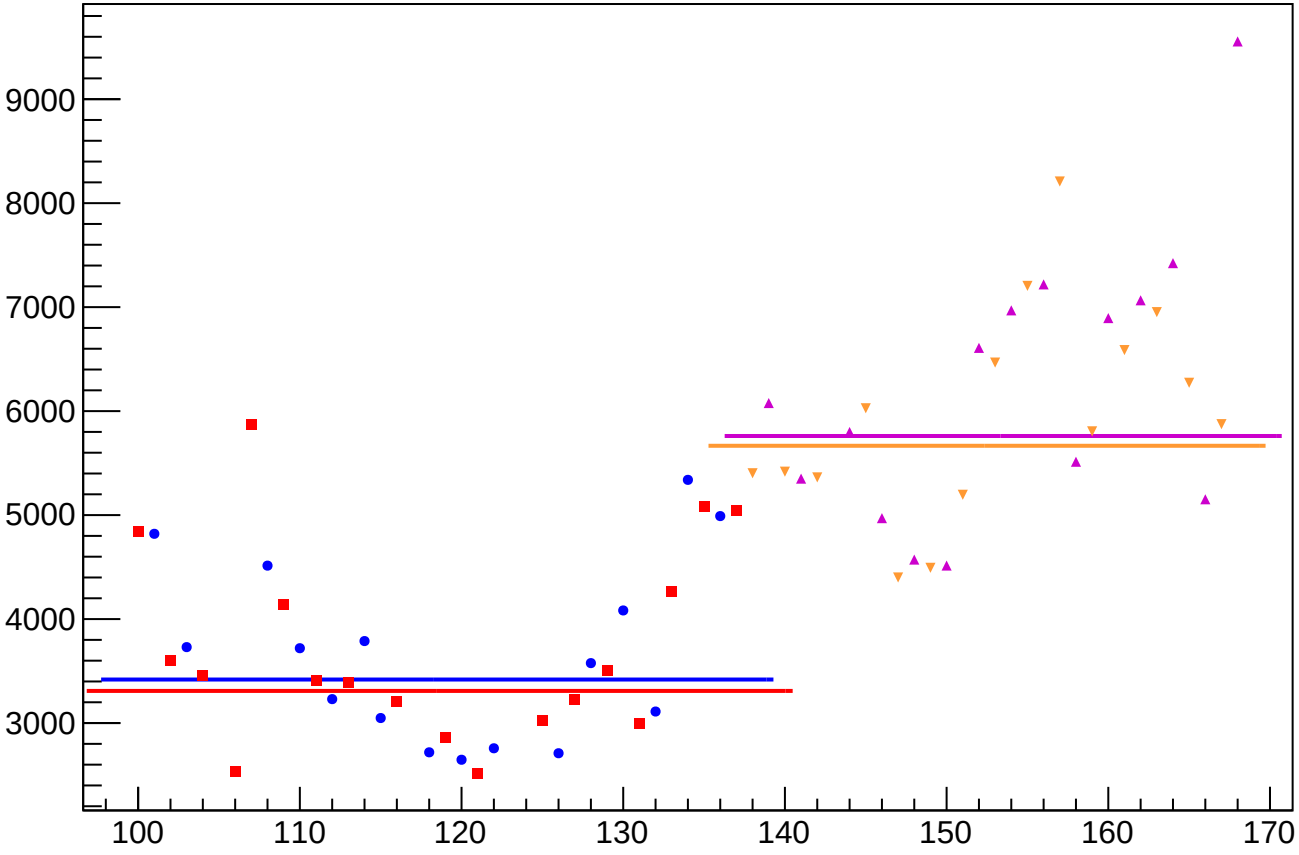
Left In: -1612.292+/-1671.866 χ^2/NDF:7.8/14

+ sign -928.218+/-1032.993 χ^2/NDF: 38.2/30

All: -992.369+/-718.512 χ^2/NDF: 65.4/63

- sign -1052.495+/-1000.064 χ^2/NDF: 27.2/32

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5666.690+/-1.190 χ^2/NDF:638389.7/14

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

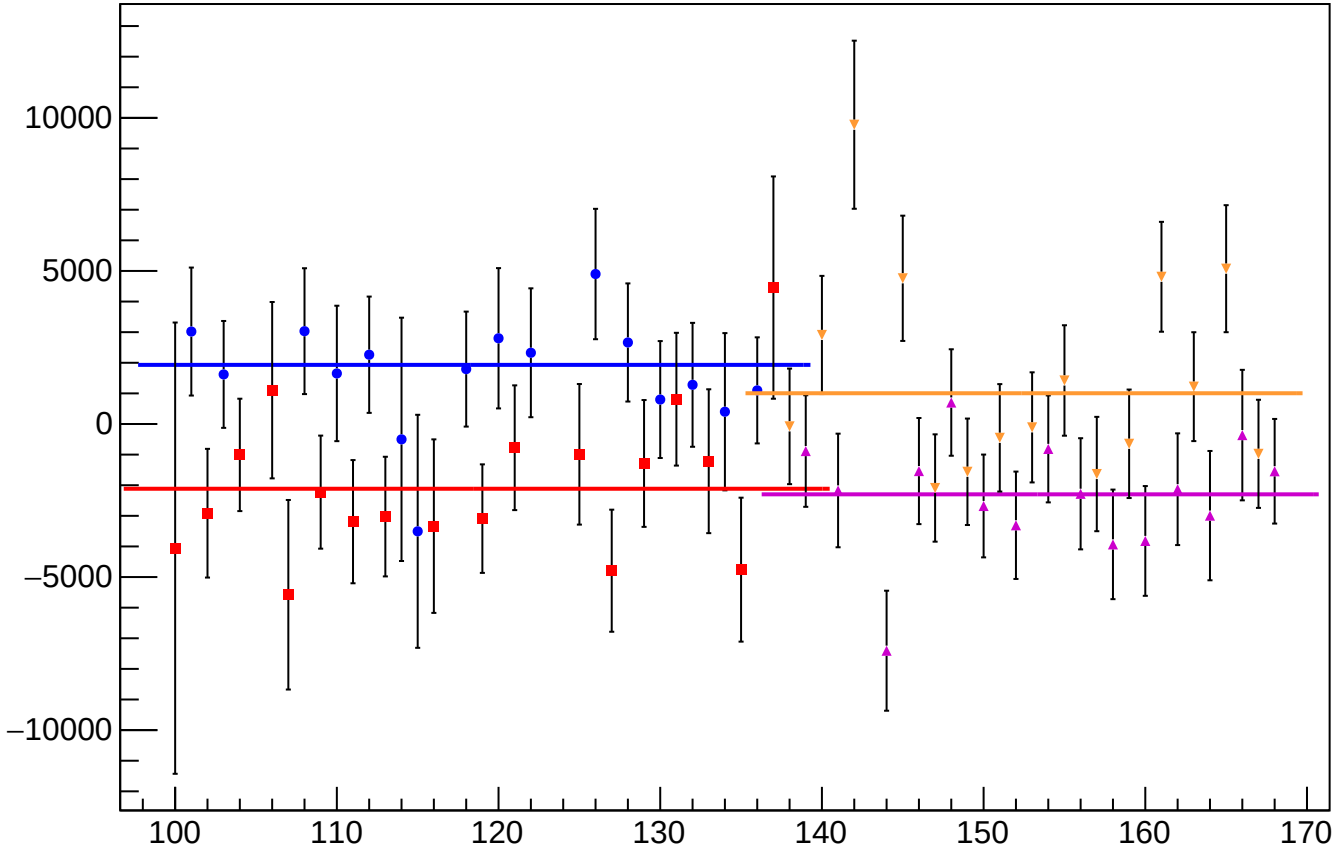
Left In: 5760.767+/-1.182 χ^2/NDF:907553.7/14

+ sign 4266.089+/-0.730 χ^2/NDF: 3584102.4/30

All: 4224.923+/-0.508 χ^2/NDF: 7831656.3/63

- sign 4186.340+/-0.707 χ^2/NDF: 4241400.7/32

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1004.718+/-482.110 χ^2/NDF:33.8/14

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

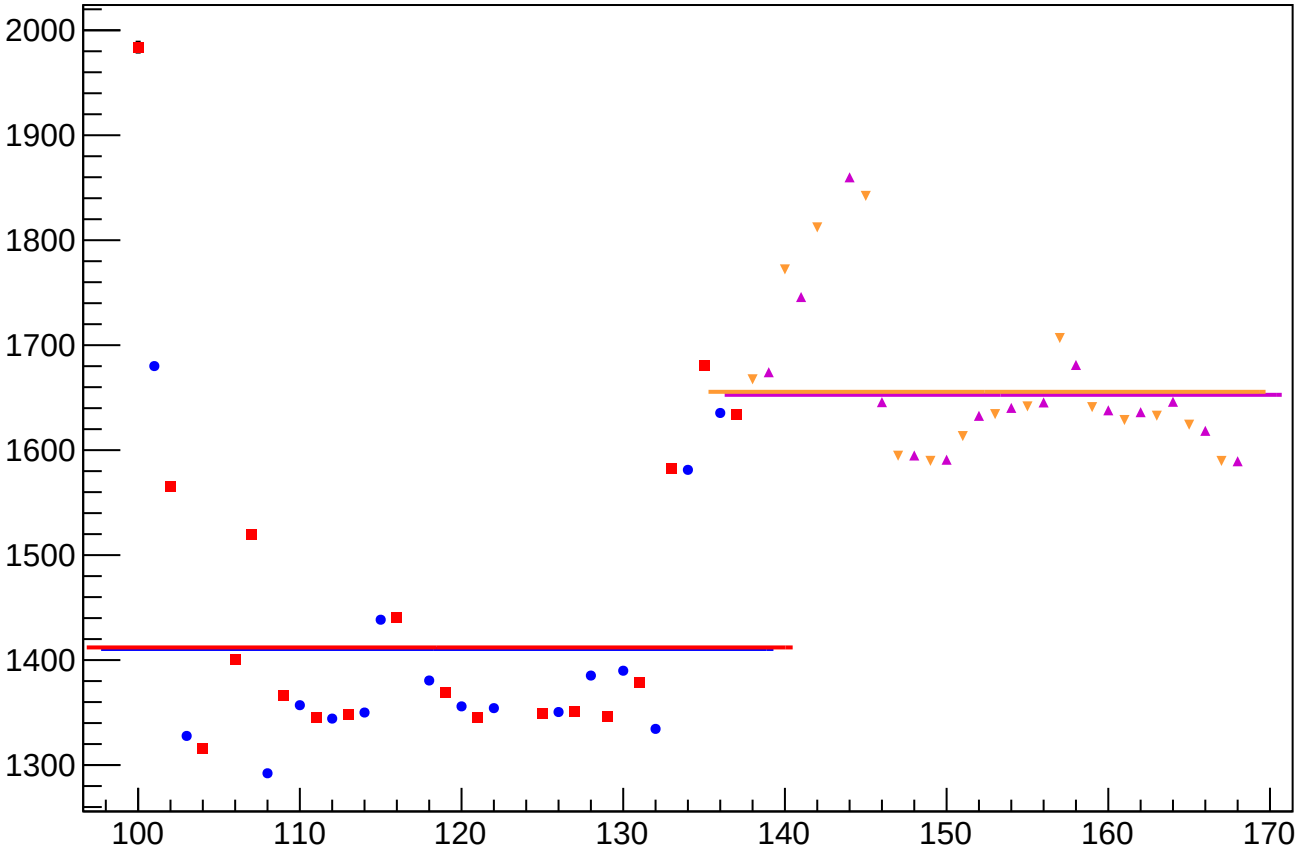
Left In: -2297.497+/-469.519 χ^2/NDF:14.4/14

+ sign 1426.862+/-355.758 χ^2/NDF: 41.8/30

All: -419.165+/-249.895 χ^2/NDF: 122.6/63

- sign -2217.133+/-351.097 χ^2/NDF: 27.6/32

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1655.567+/-0.341 χ^2/NDF:43014.8/14

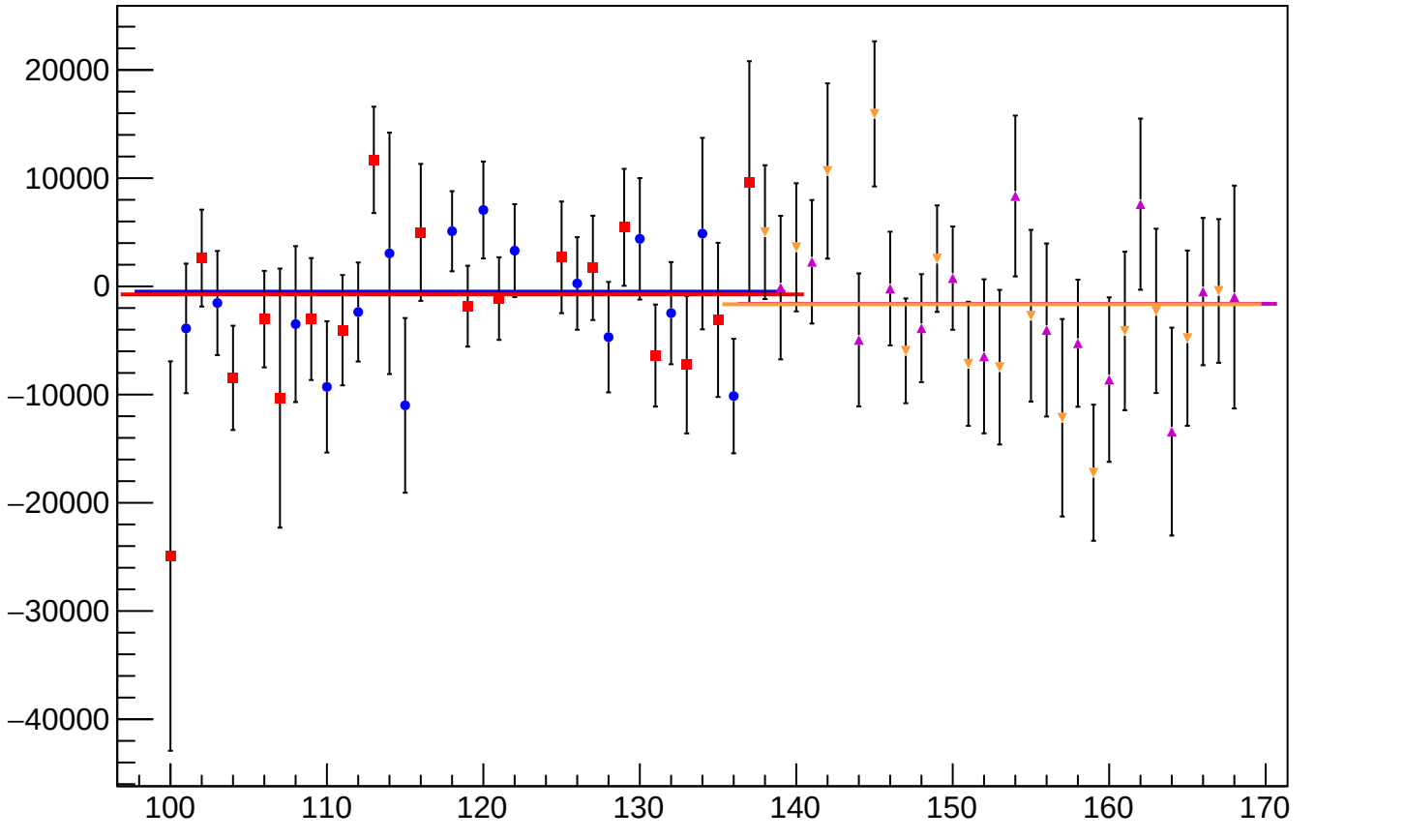
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1652.707+/-0.332 χ^2/NDF:37096.6/14

+ sign 1543.989+/-0.252 χ^2/NDF: 377363.8/30

All: 1545.161+/-0.177 χ^2/NDF: 736530.1/63

- sign 1546.301+/-0.248 χ^2/NDF: 359123.4/32



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -1653.523+/-1682.496 χ^2/NDF:22.0/14

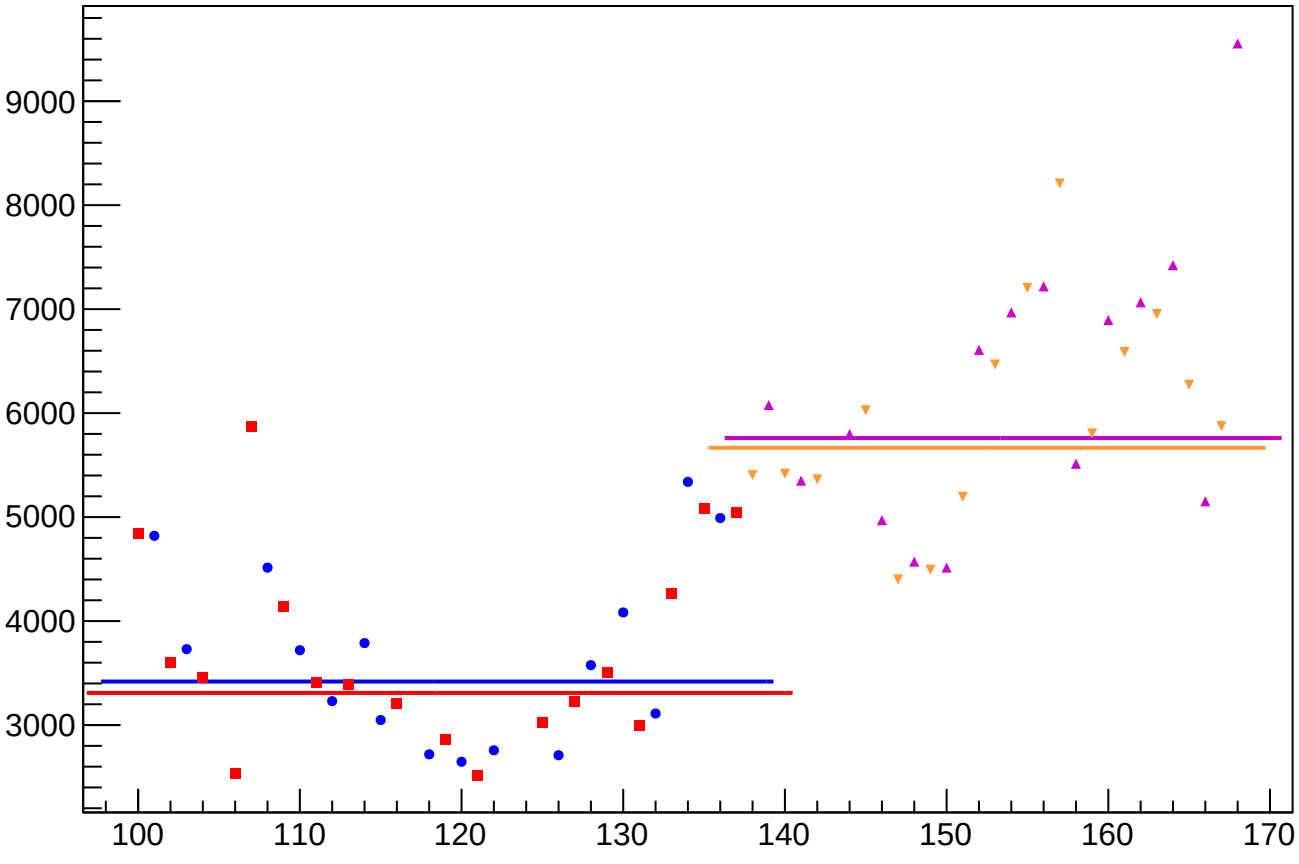
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -1612.292+/-1671.868 χ^2/NDF:7.8/14

+ sign -928.215+/-1032.992 χ^2/NDF: 38.2/30

All: -992.368+/-718.511 χ^2/NDF: 65.4/63

- sign -1052.495+/-1000.063 χ^2/NDF: 27.2/32



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5666.697+/-1.190 χ^2/NDF:638392.7/14

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

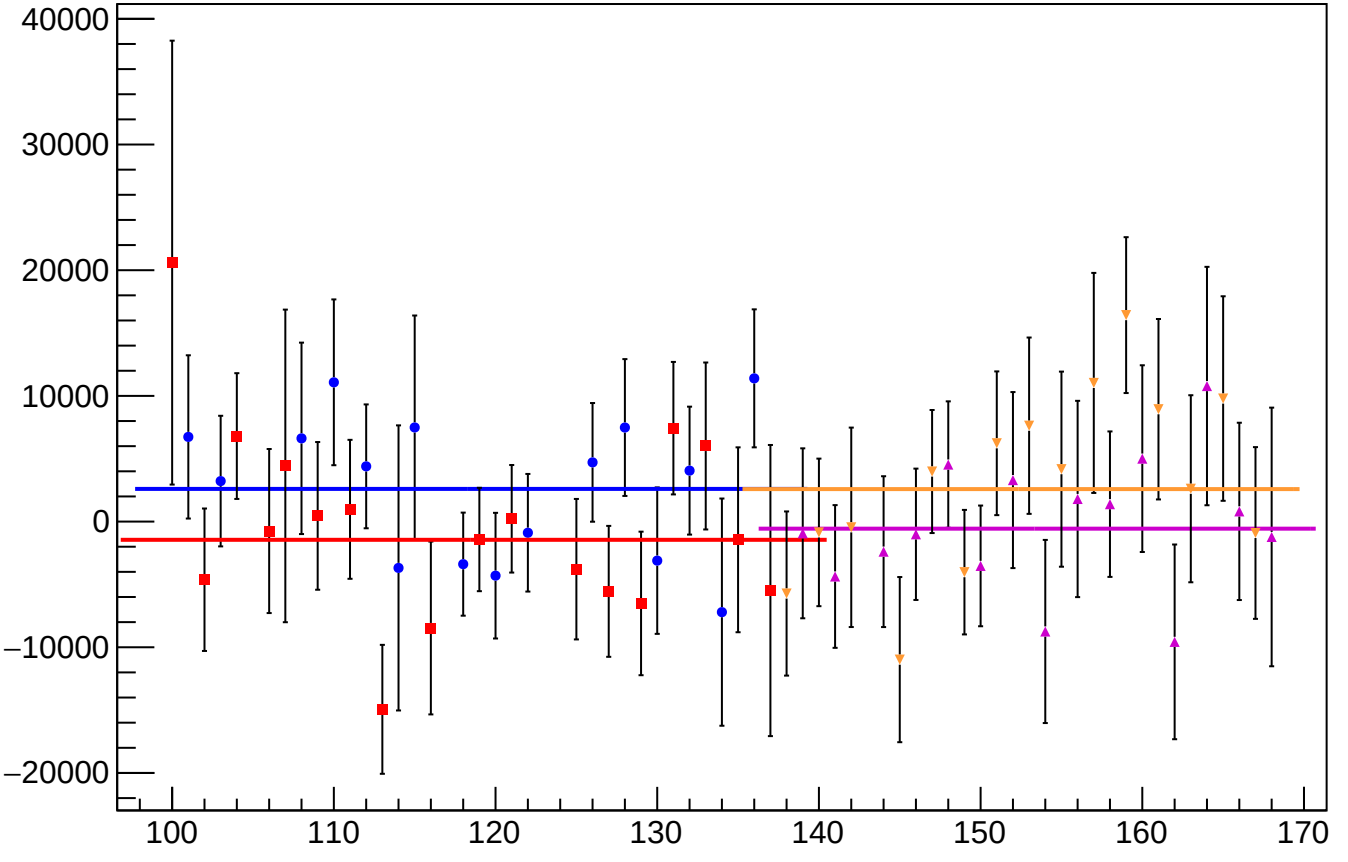
Left In: 5760.774+/-1.182 χ^2/NDF:907556.2/14

+ sign 4266.080+/-0.730 χ^2/NDF: 3584152.2/30

All: 4224.914+/-0.508 χ^2/NDF: 7831752.1/63

- sign 4186.331+/-0.707 χ^2/NDF: 4241446.8/32

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 2584.733+/-1679.393 χ^2/NDF:16.9/14

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

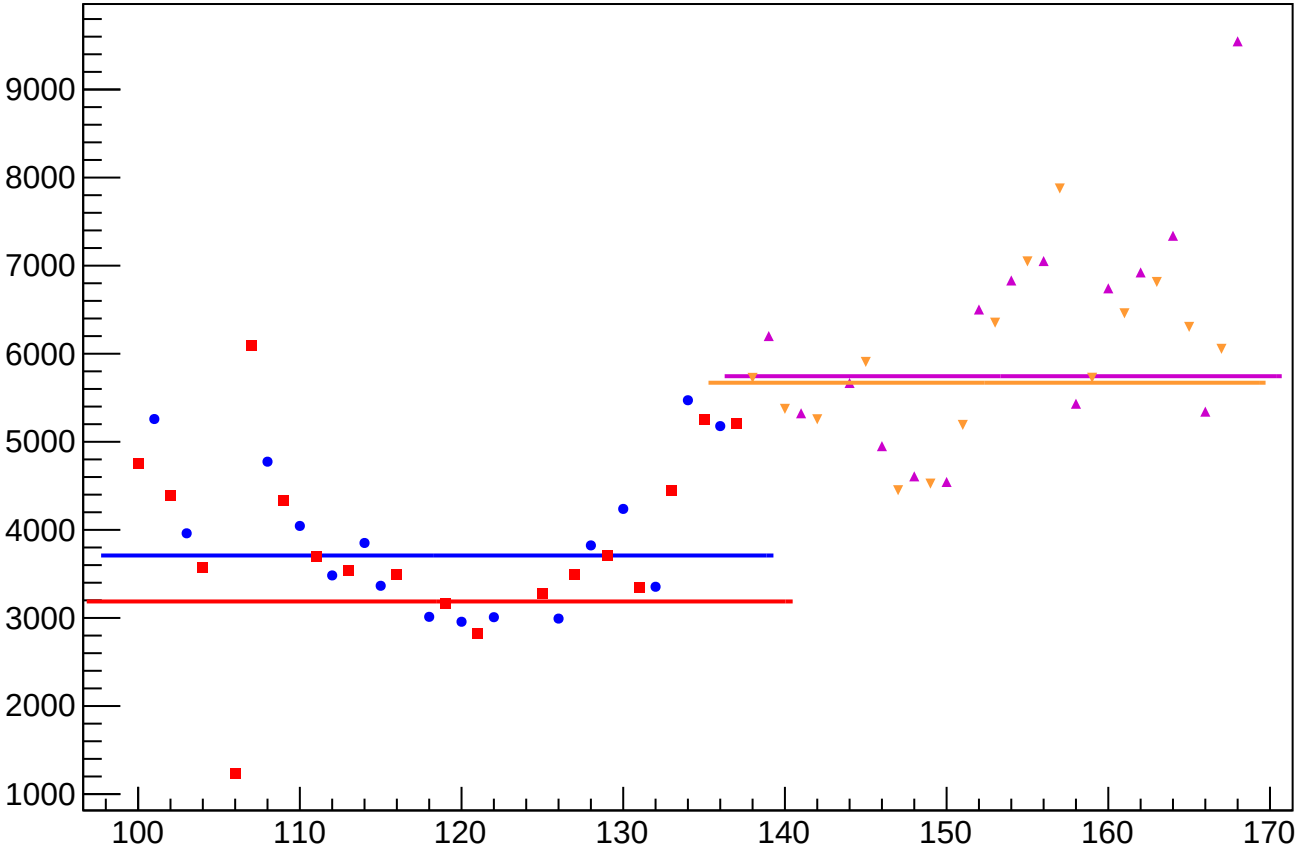
Left In: -563.820+/-1664.002 χ^2/NDF:7.1/14

+ sign 2593.443+/-1081.879 χ^2/NDF: 30.4/30

All: 721.092+/-758.430 χ^2/NDF: 62.6/63

- sign -1088.250+/-1063.519 χ^2/NDF: 26.3/32

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5670.734+/-1.188 χ^2/NDF:557516.1/14

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

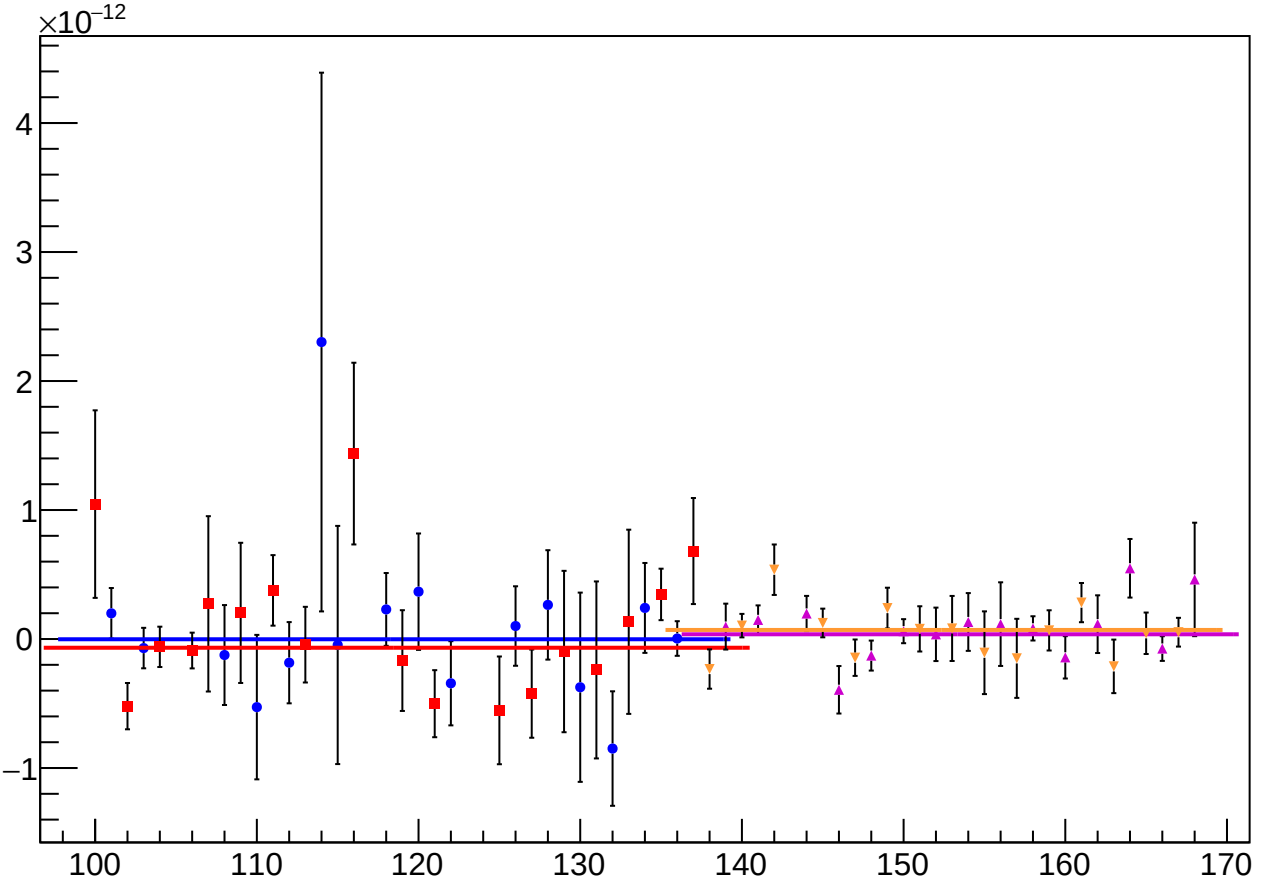
Left In: 5744.844+/-1.177 χ^2/NDF:842249.5/14

+ sign 4523.217+/-0.765 χ^2/NDF: 2764365.5/30

All: 4310.214+/-0.521 χ^2/NDF: 8354053.1/63

- sign 4125.379+/-0.713 χ^2/NDF: 5444888.4/32

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:18.2/14

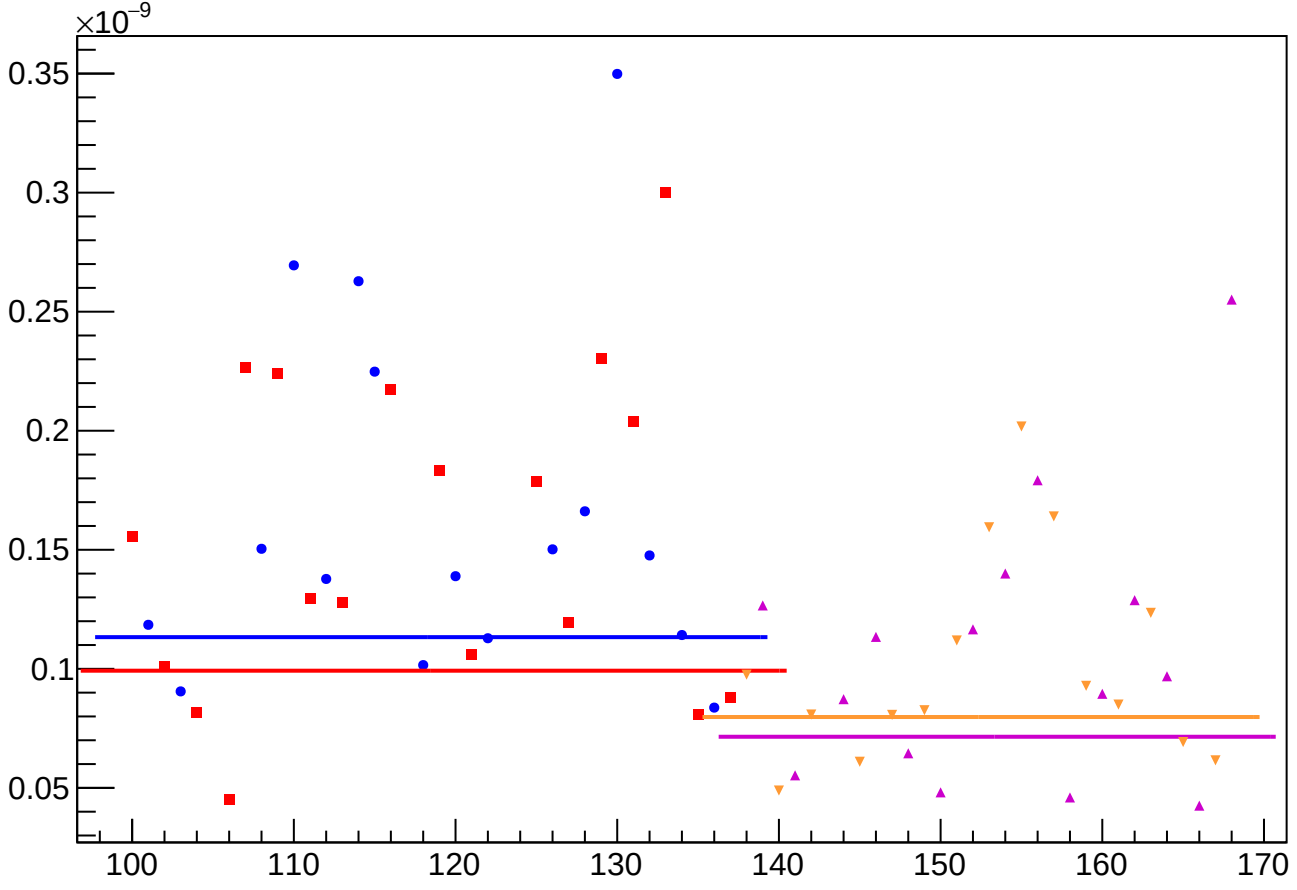
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:19.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 30.1/30

All: 0.000+/-0.000 χ^2/NDF: 81.5/63

- sign 0.000+/-0.000 χ^2/NDF: 50.6/32



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1190094.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

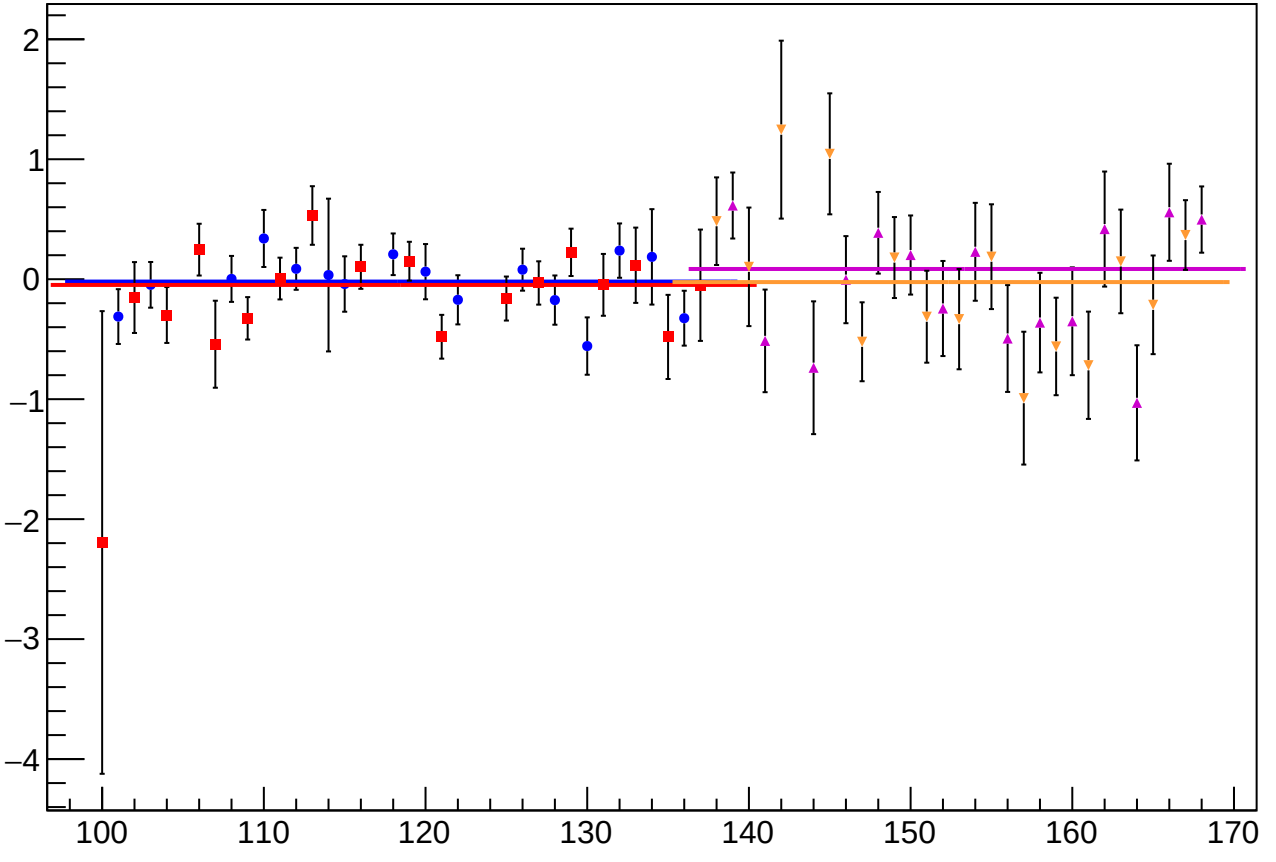
Left In: 0.000+/-0.000 χ^2/NDF:1859616.7/14

+ sign 0.000+/-0.000 χ^2/NDF: 2193047.4/30

All: 0.000+/-0.000 χ^2/NDF: 5508400.7/63

- sign 0.000+/-0.000 χ^2/NDF: 3232217.7/32

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: -0.024+/-0.105 χ^2/NDF:22.8/14

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

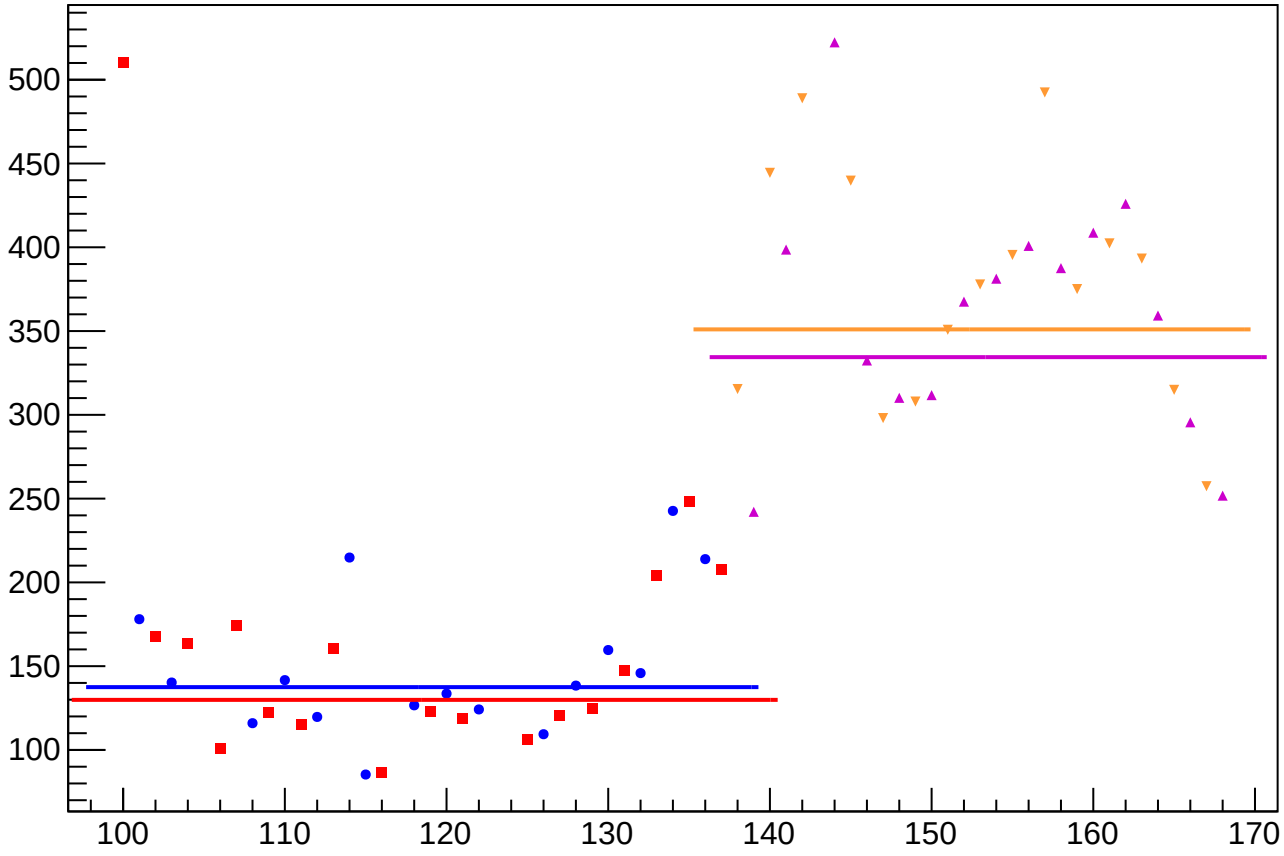
Left In: 0.085+/-0.098 χ^2/NDF:22.9/14

+ sign -0.021+/-0.048 χ^2/NDF: 38.8/30

All: -0.019+/-0.033 χ^2/NDF: 89.5/63

- sign -0.018+/-0.046 χ^2/NDF: 50.6/32

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: 351.002+/-0.074 χ^2/NDF:741159.0/14

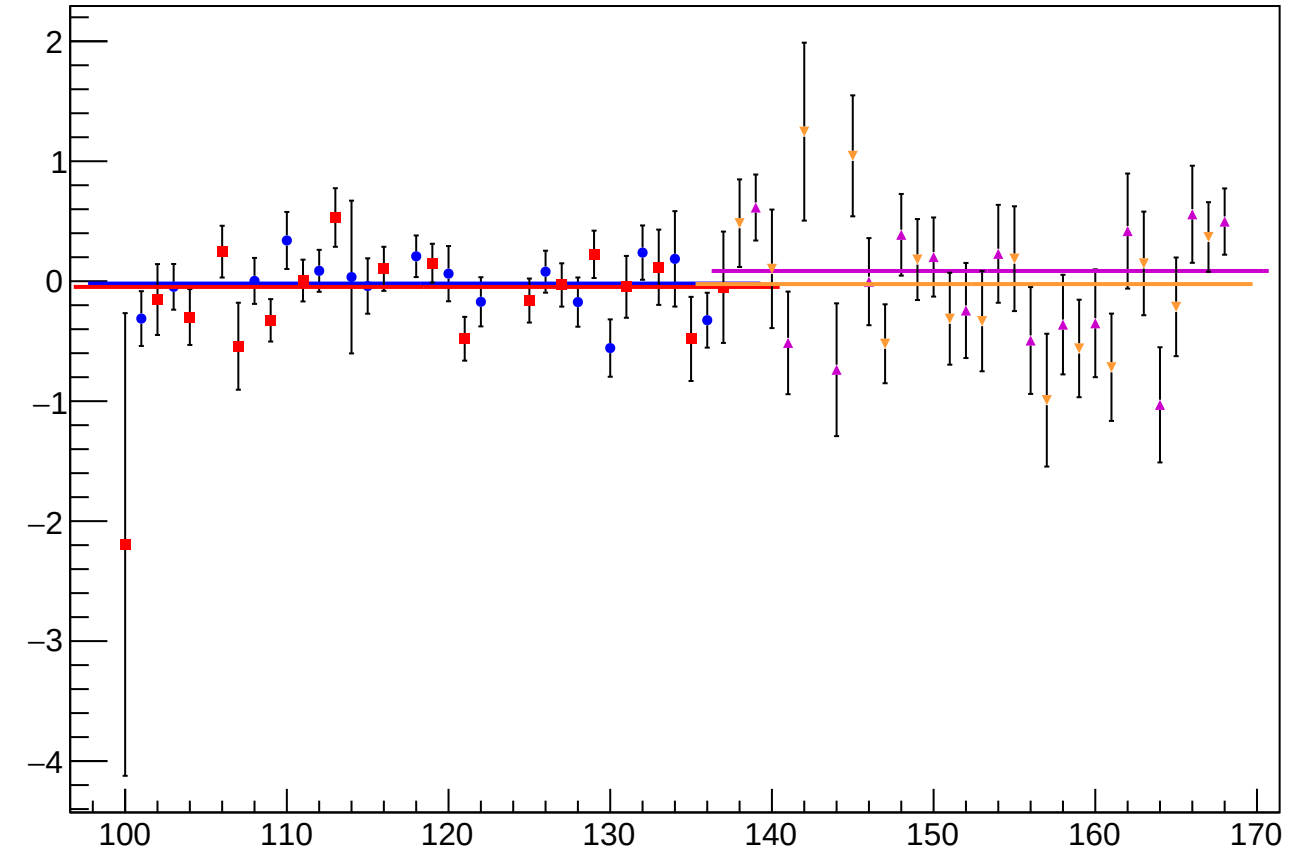
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 334.436+/-0.070 χ^2/NDF:968399.9/14

+ sign 182.376+/-0.034 χ^2/NDF: 7956984.0/30

All: 178.677+/-0.024 χ^2/NDF: 16517985.6/63

- sign 175.260+/-0.033 χ^2/NDF: 8538322.9/32



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.024+/-0.105 χ^2/NDF:22.8/14

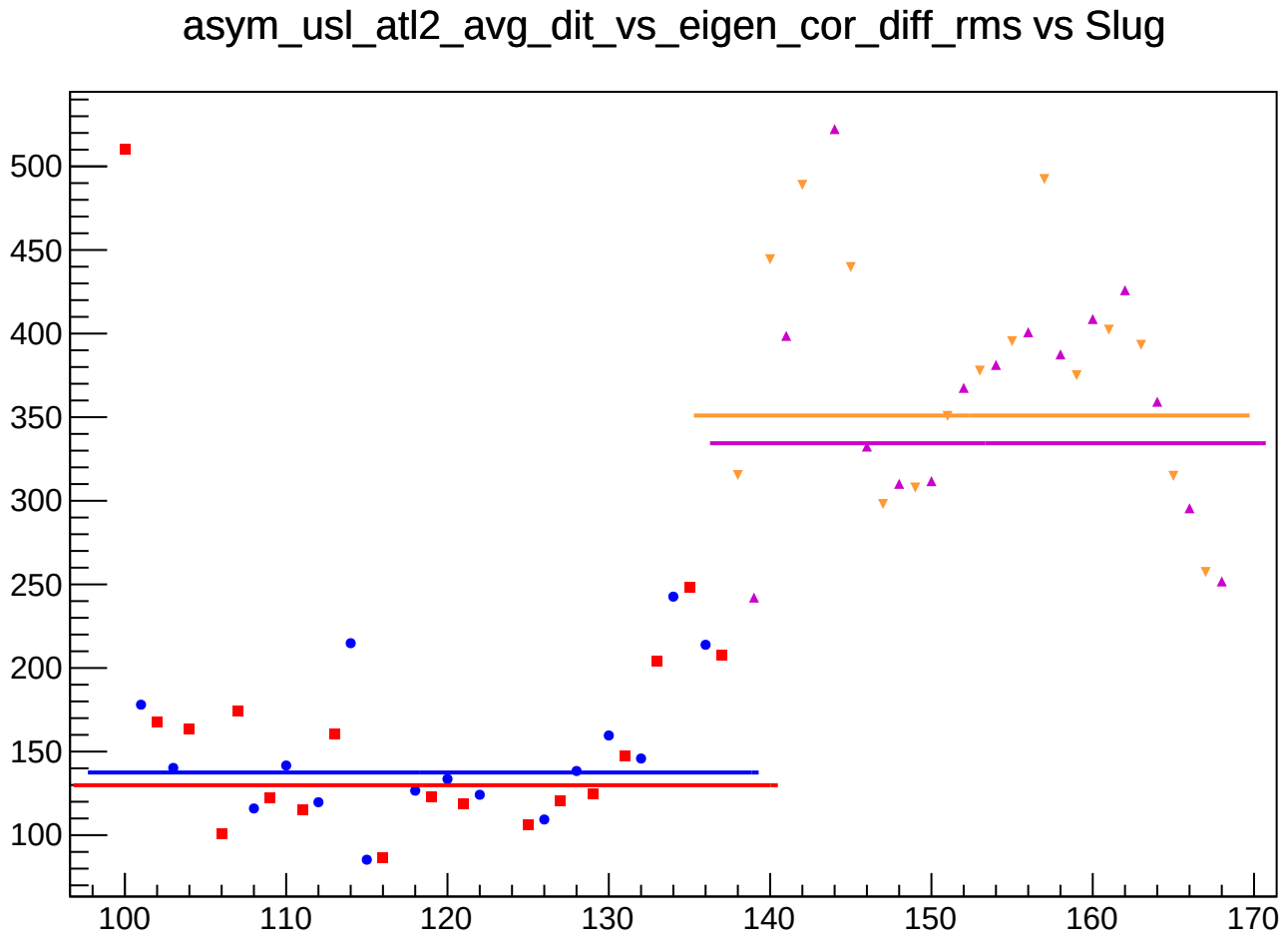
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.085+/-0.098 χ^2/NDF:22.9/14

+ sign -0.021+/-0.048 χ^2/NDF: 38.8/30

All: -0.019+/-0.033 χ^2/NDF: 89.5/63

- sign -0.018+/-0.046 χ^2/NDF: 50.6/32



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 351.002+/-0.074 χ^2/NDF:741159.0/14

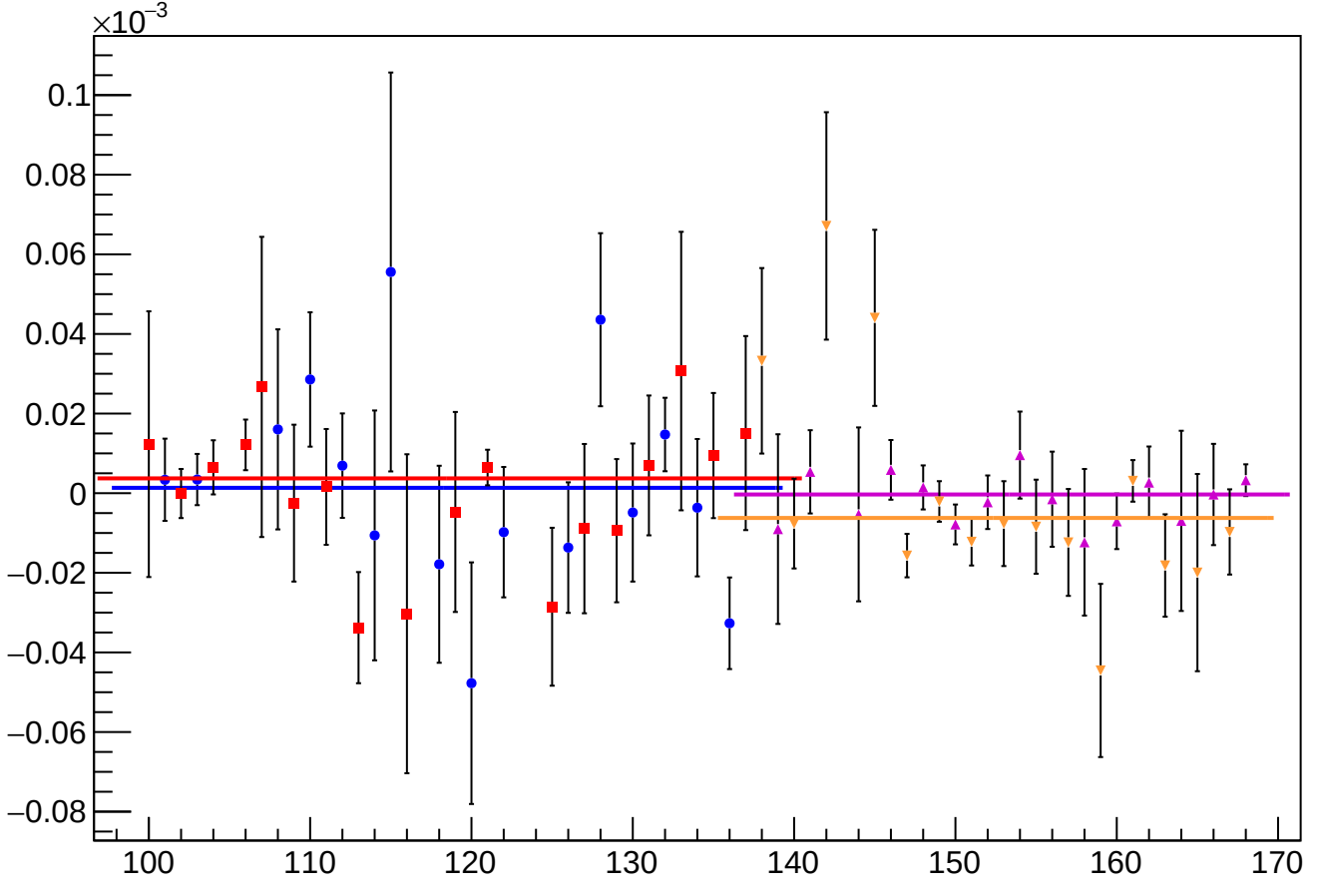
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 334.436+/-0.070 χ^2/NDF:968399.9/14

+ sign 182.376+/-0.034 χ^2/NDF: 7956984.0/30

All: 178.677+/-0.024 χ^2/NDF: 16517985.6/63

- sign 175.260+/-0.033 χ^2/NDF: 8538322.9/32



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.1/14

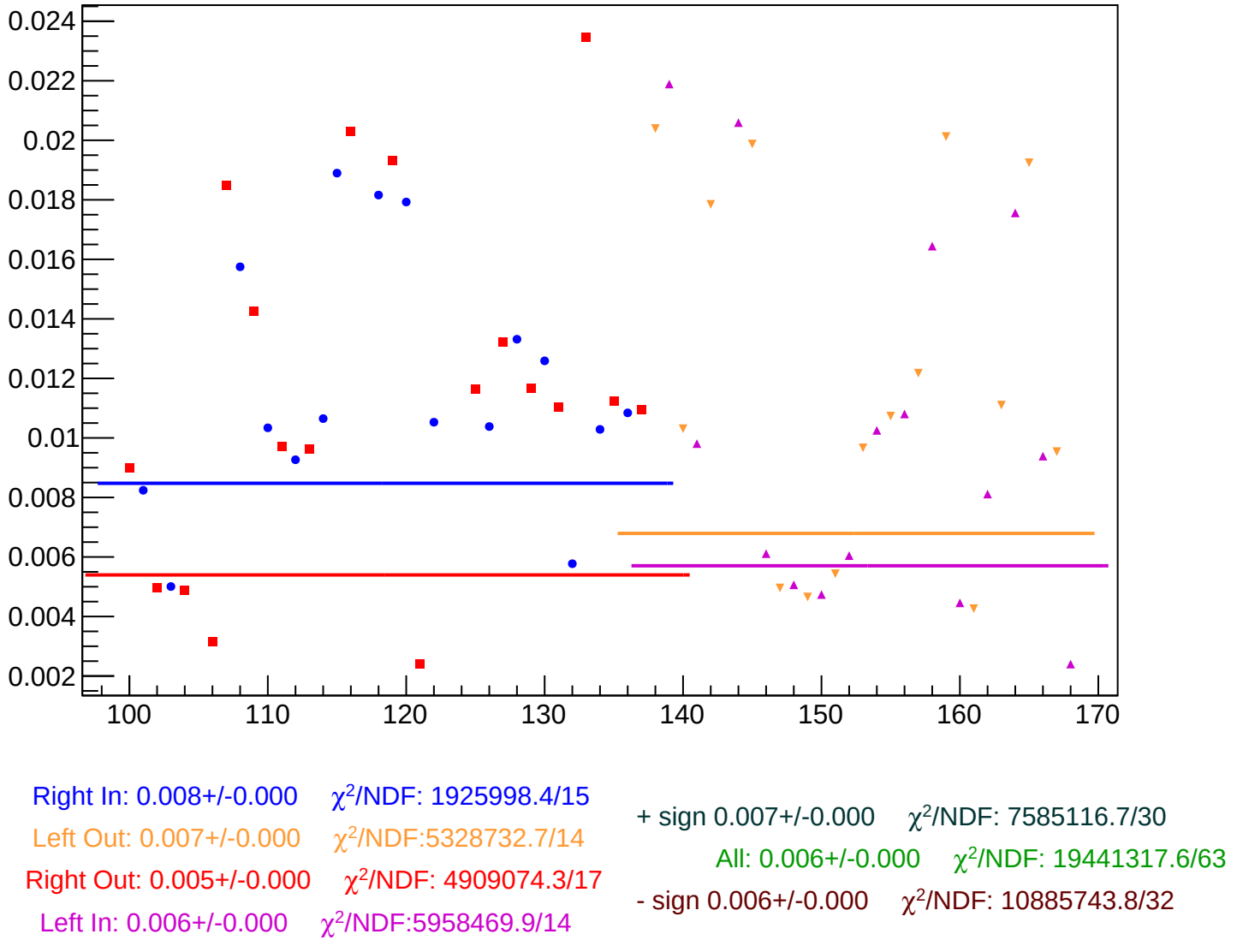
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:6.8/14

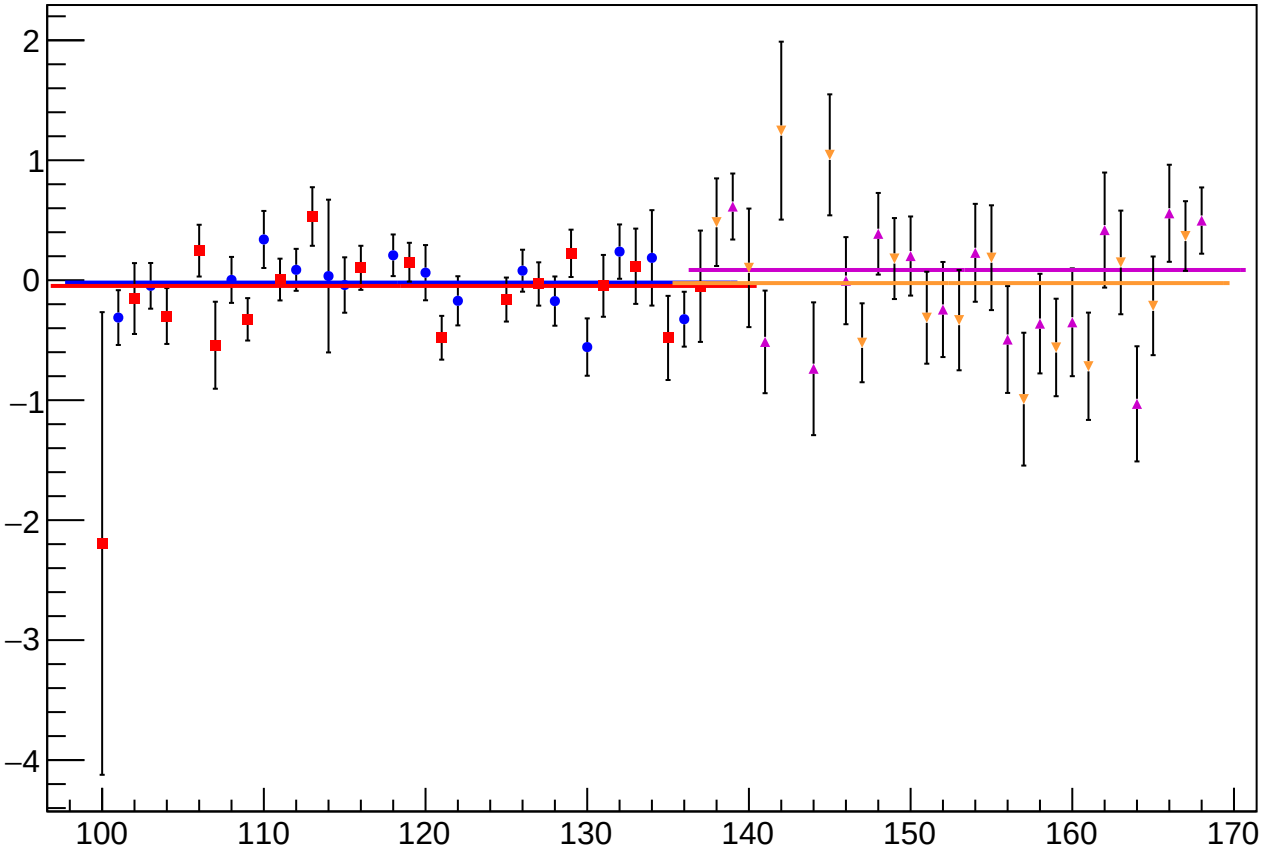
+ sign -0.000+/-0.000 χ^2/NDF: 54.4/30

All: -0.000+/-0.000 χ^2/NDF: 82.9/63

- sign 0.000+/-0.000 χ^2/NDF: 24.2/32


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.024
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: 0.008+/-0.000 χ²/NDF: 1925998.4/15
Left Out: 0.007+/-0.000 χ²/NDF:5328732.7/14
Right Out: 0.005+/-0.000 χ²/NDF: 4909074.3/17
Left In: 0.006+/-0.000 χ²/NDF:5958469.9/14
+ sign 0.007+/-0.000 χ²/NDF: 7585116.7/30
All: 0.006+/-0.000 χ²/NDF: 19441317.6/63
- sign 0.006+/-0.000 χ²/NDF: 10885743.8/32

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.024+/-0.105 χ^2/NDF:22.8/14

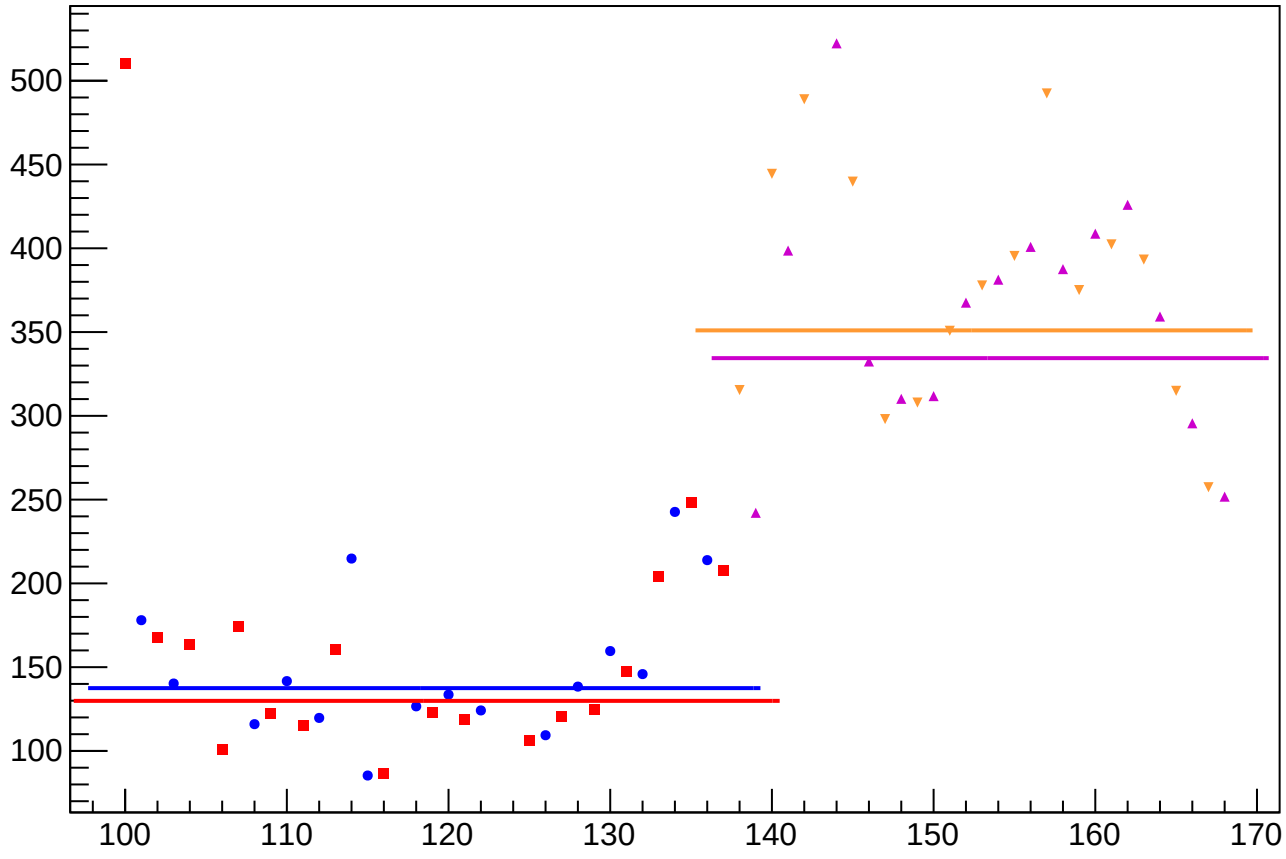
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.085+/-0.098 χ^2/NDF:22.9/14

+ sign -0.021+/-0.048 χ^2/NDF: 38.9/30

All: -0.019+/-0.033 χ^2/NDF: 89.5/63

- sign -0.018+/-0.046 χ^2/NDF: 50.6/32



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 351.006+/-0.074 χ^2/NDF:741205.1/14

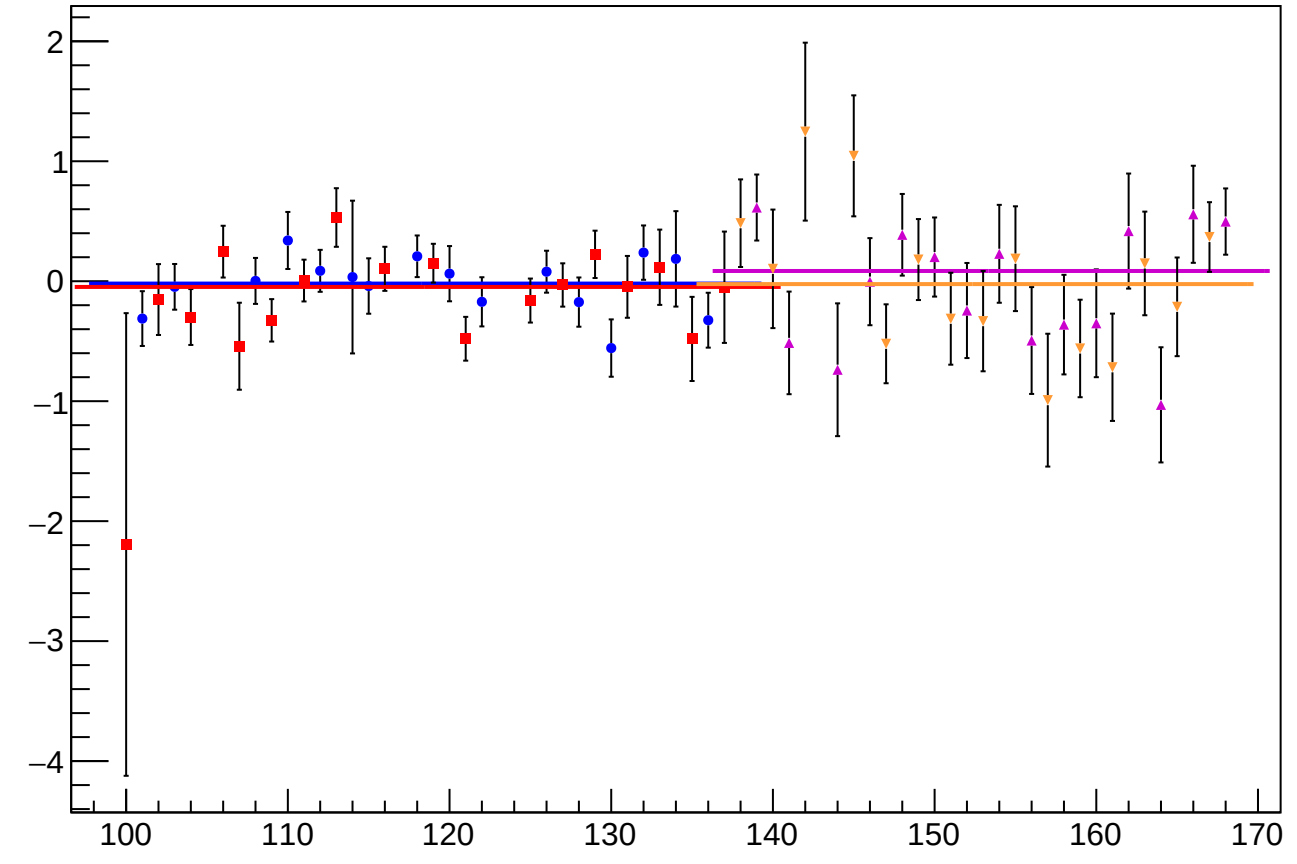
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 334.441+/-0.070 χ^2/NDF:968396.3/14

+ sign 182.375+/-0.034 χ^2/NDF: 7957145.2/30

All: 178.677+/-0.024 χ^2/NDF: 16518271.1/63

- sign 175.260+/-0.033 χ^2/NDF: 8538448.1/32



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.024+/-0.105 χ^2/NDF:22.8/14

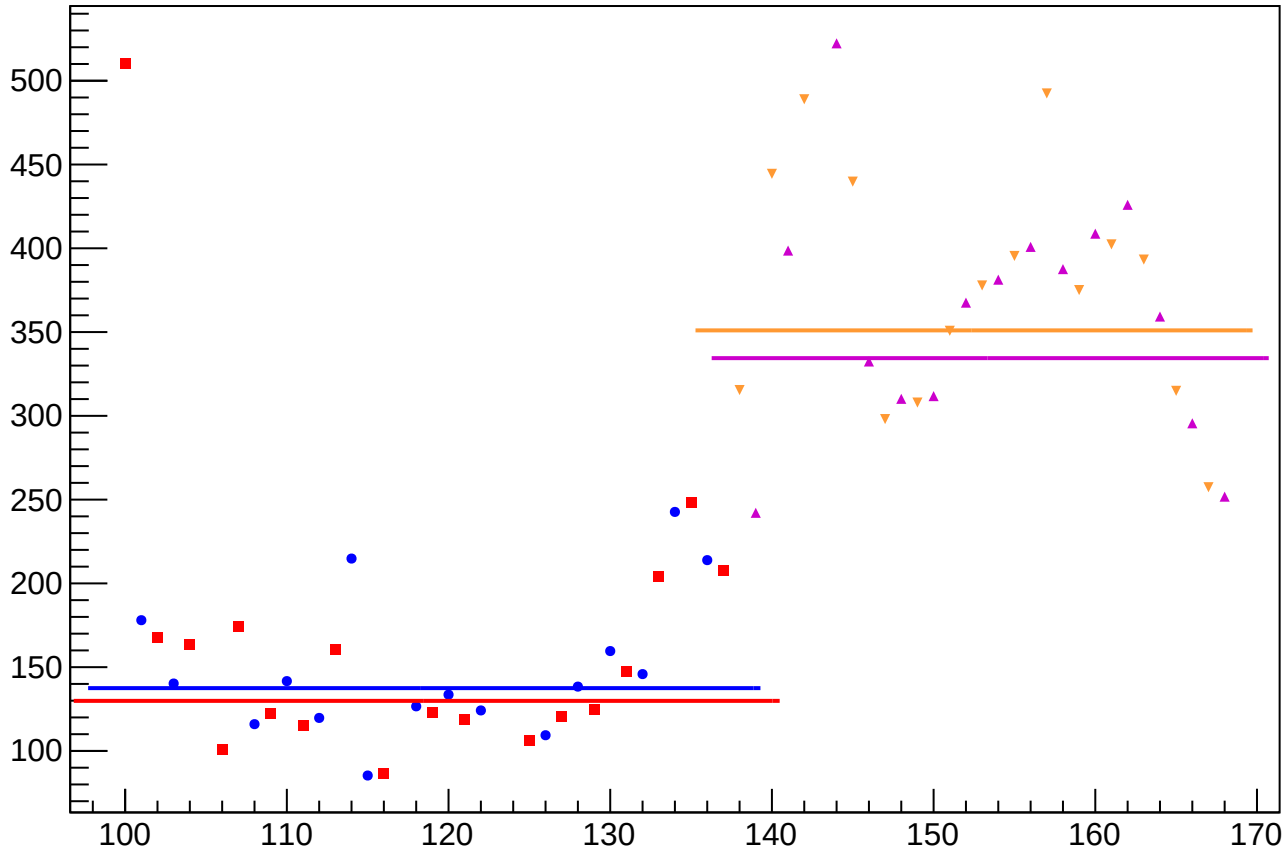
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.085+/-0.098 χ^2/NDF:22.9/14

+ sign -0.021+/-0.048 χ^2/NDF: 38.9/30

All: -0.019+/-0.033 χ^2/NDF: 89.5/63

- sign -0.018+/-0.046 χ^2/NDF: 50.6/32



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 351.006+/-0.074 χ^2/NDF:741205.1/14

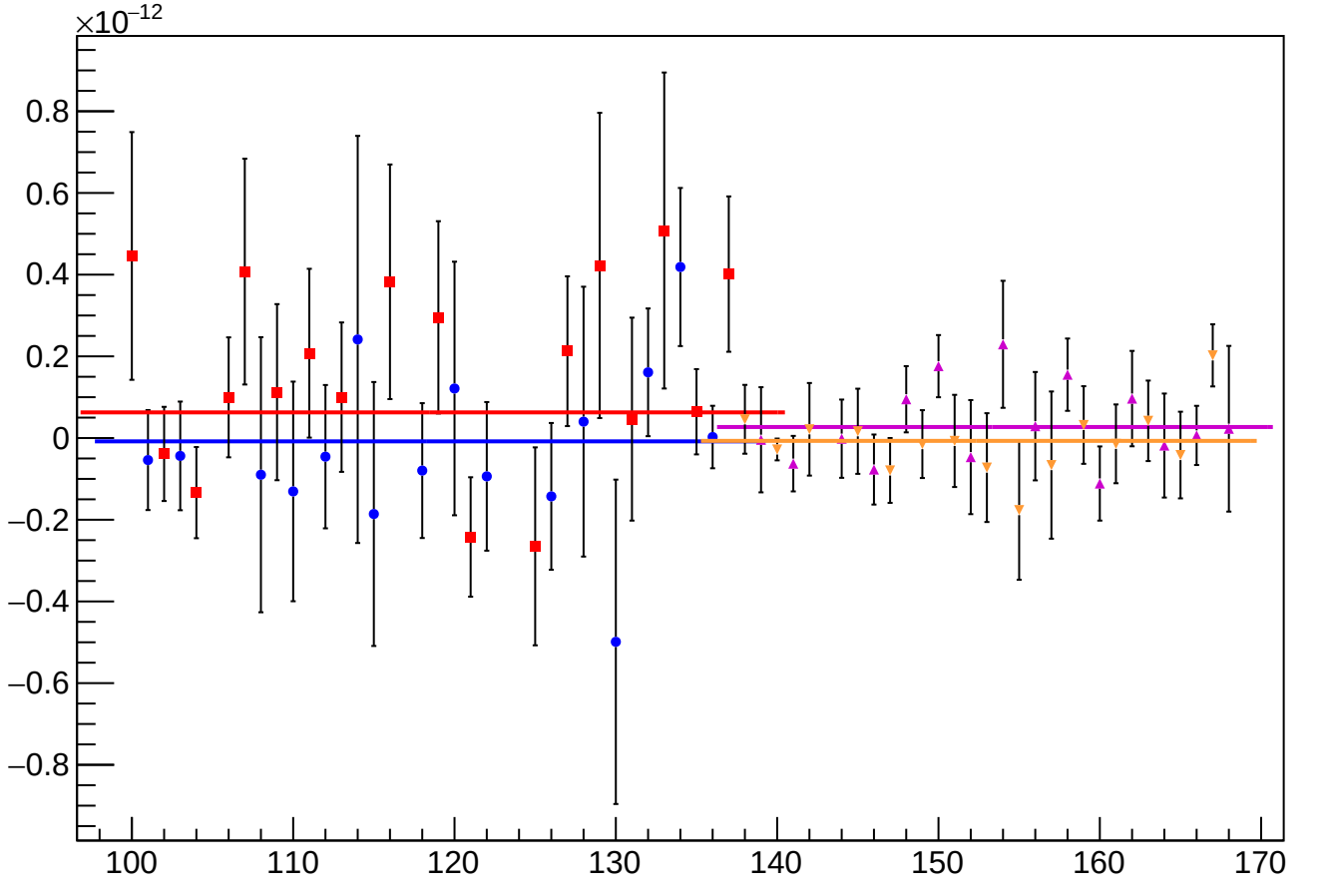
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 334.441+/-0.070 χ^2/NDF:968396.3/14

+ sign 182.375+/-0.034 χ^2/NDF: 7957145.2/30

All: 178.677+/-0.024 χ^2/NDF: 16518271.1/63

- sign 175.260+/-0.033 χ^2/NDF: 8538448.1/32



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.4/14

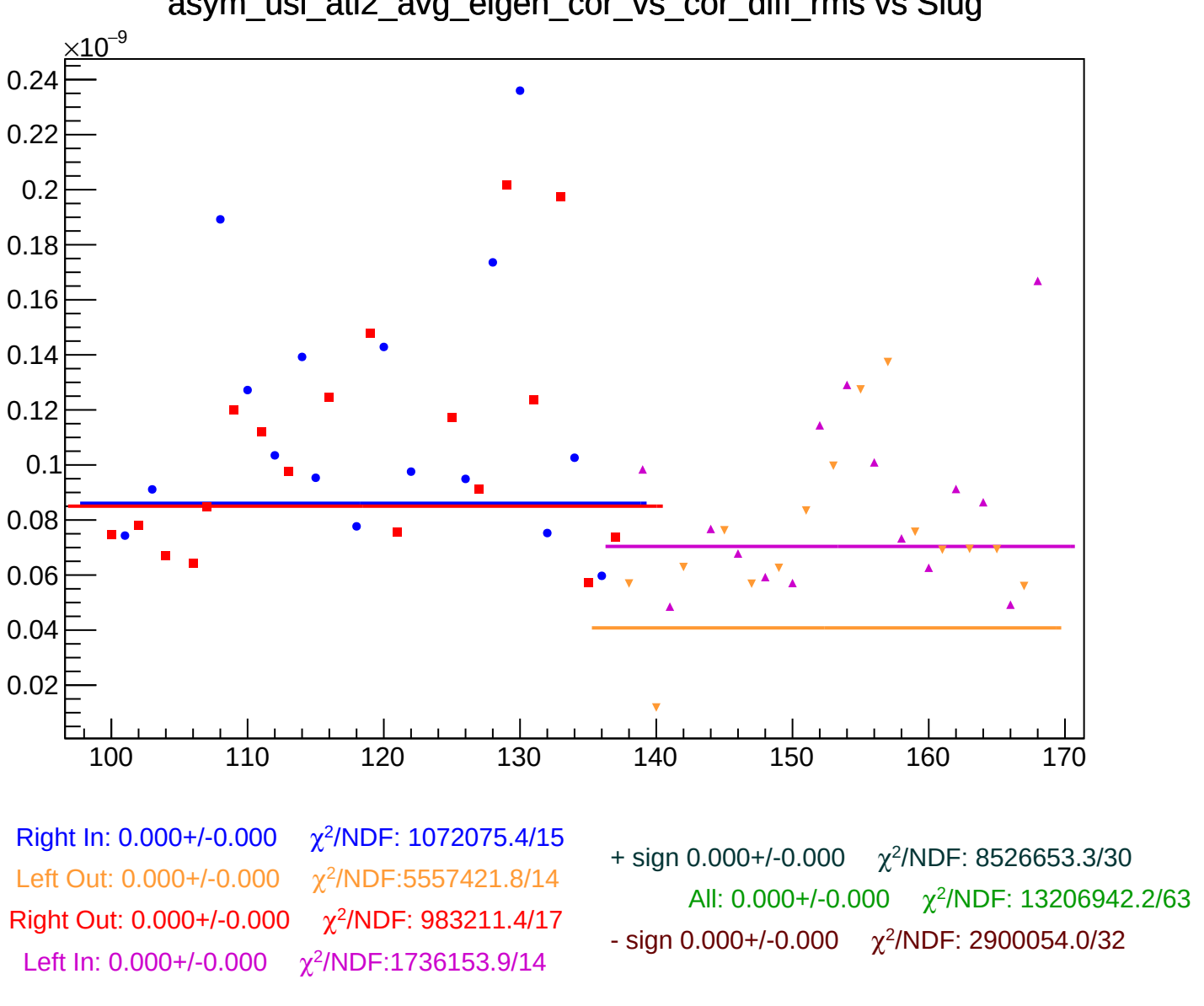
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:14.9/14

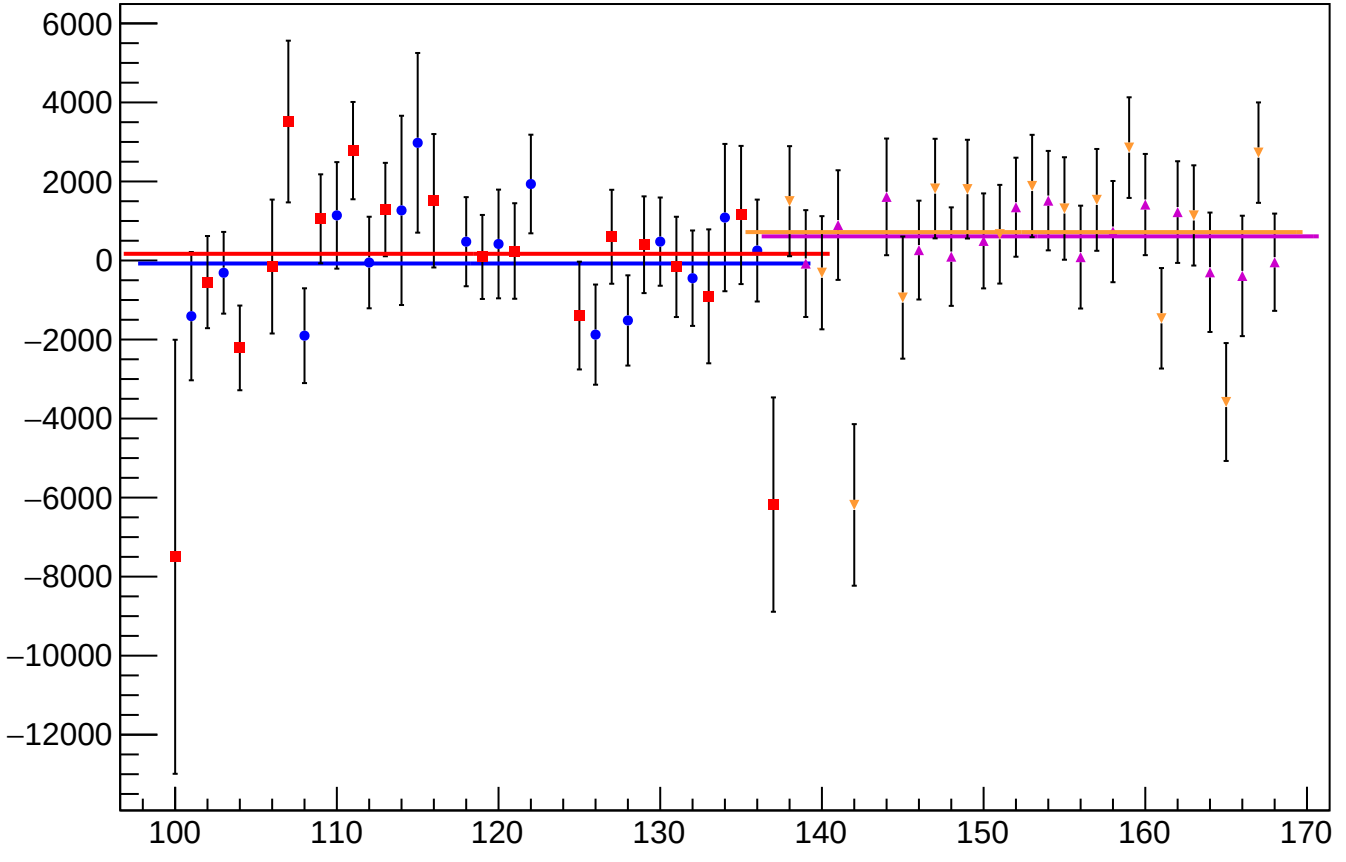
+ sign -0.000+/-0.000 χ^2/NDF: 21.2/30

All: 0.000+/-0.000 χ^2/NDF: 61.3/63

- sign 0.000+/-0.000 χ^2/NDF: 37.6/32


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1072075.4/15
Left Out: 0.000+/-0.000 χ²/NDF:5557421.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 983211.4/17
Left In: 0.000+/-0.000 χ²/NDF:1736153.9/14
+ sign 0.000+/-0.000 χ²/NDF: 8526653.3/30
All: 0.000+/-0.000 χ²/NDF: 13206942.2/63
- sign 0.000+/-0.000 χ²/NDF: 2900054.0/32

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 718.795+/-347.271 χ^2/NDF:33.0/14

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

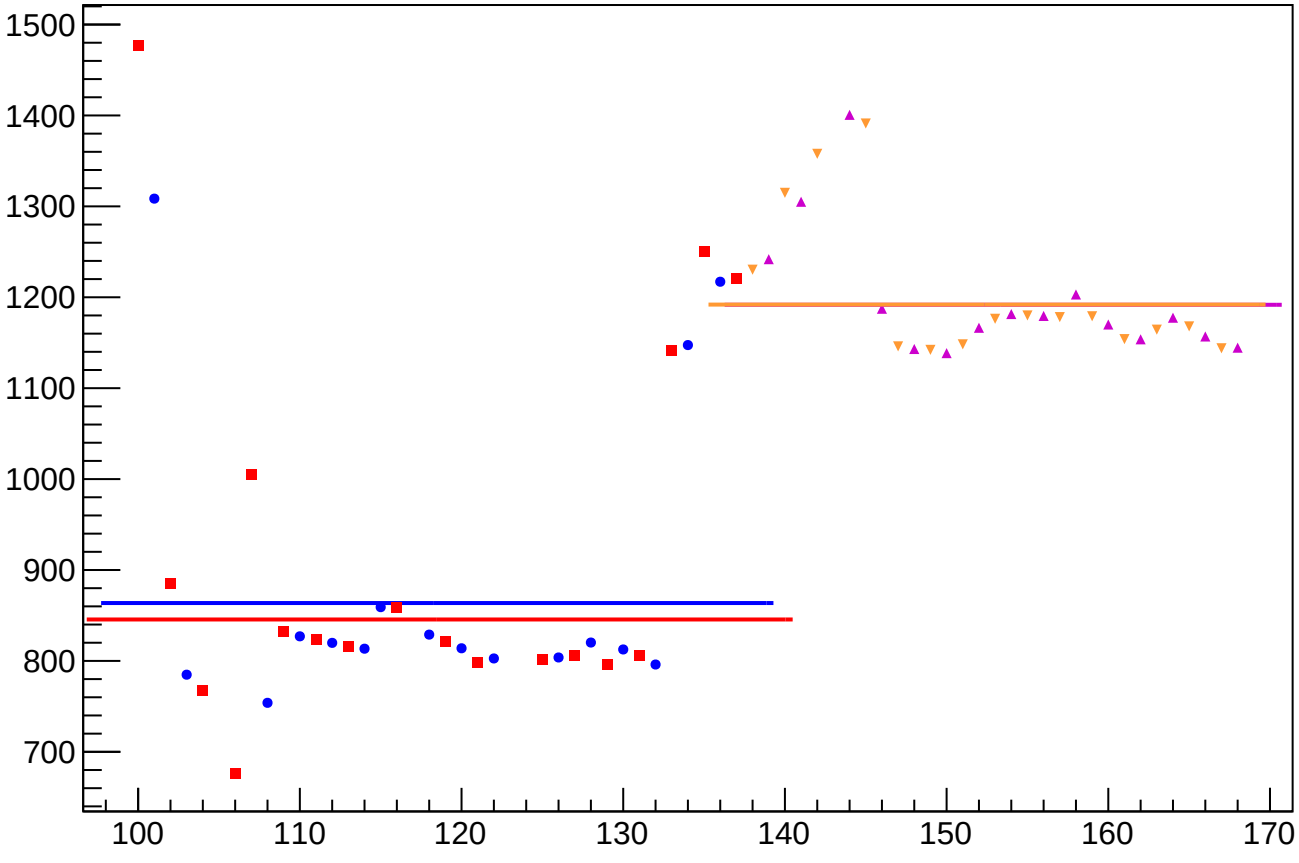
Left In: 611.213+/-338.795 χ^2/NDF:3.7/14

+ sign 296.617+/-237.769 χ^2/NDF: 49.1/30

All: 338.552+/-166.538 χ^2/NDF: 78.2/63

- sign 378.937+/-233.334 χ^2/NDF: 29.0/32

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1191.958+/-0.246 χ^2/NDF:77921.8/14

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

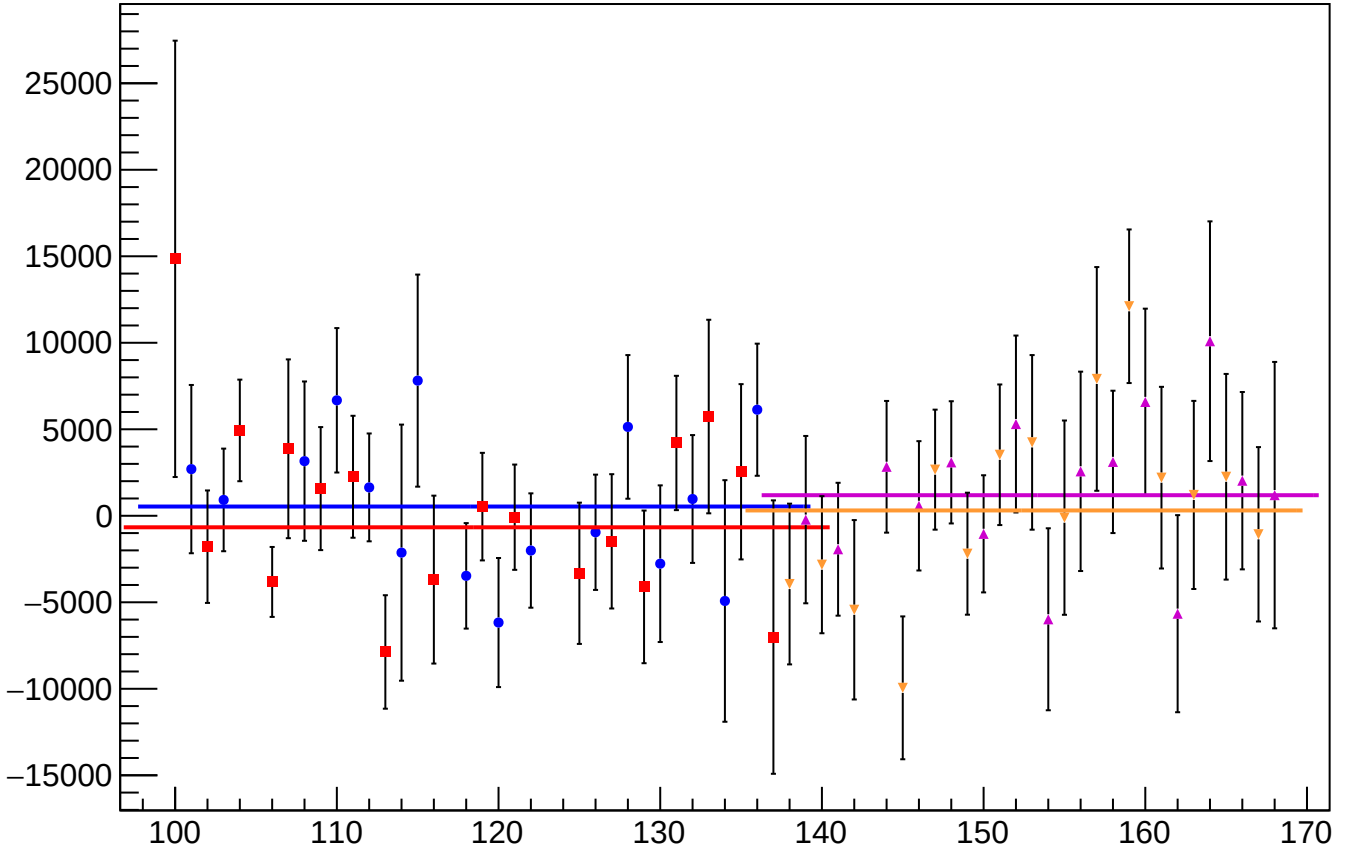
Left In: 1191.733+/-0.240 χ^2/NDF:70901.8/14

+ sign 1017.562+/-0.168 χ^2/NDF: 1434927.2/30

All: 1012.468+/-0.117 χ^2/NDF: 2925839.6/63

- sign 1007.626+/-0.164 χ^2/NDF: 1489121.9/32

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 308.024+/-1183.901 χ^2/NDF:19.9/14

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

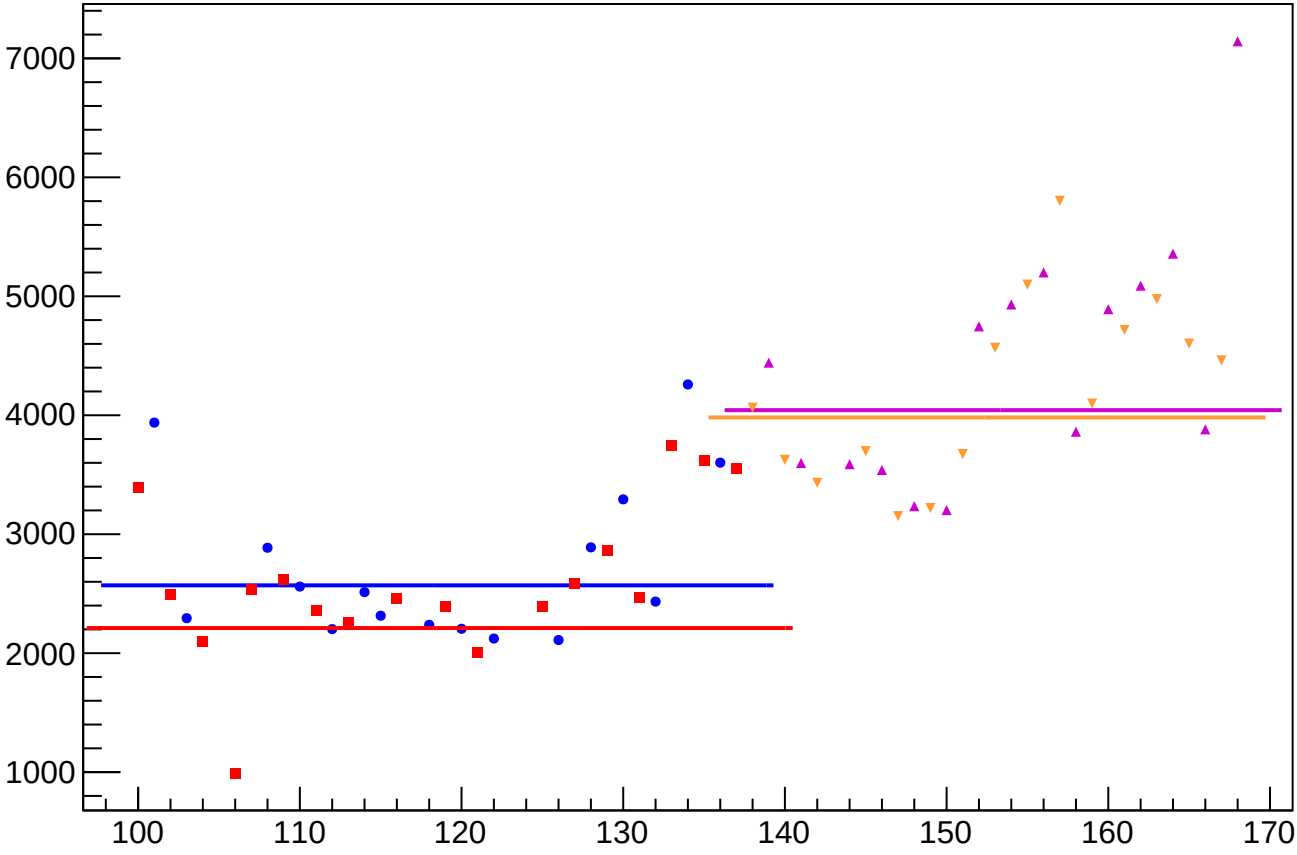
Left In: 1189.241+/-1175.976 χ^2/NDF:8.6/14

+ sign 442.275+/-755.507 χ^2/NDF: 34.5/30

All: 195.398+/-512.205 χ^2/NDF: 64.9/63

- sign -14.593+/-696.784 χ^2/NDF: 30.2/32

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3981.548+/-0.837 χ^2/NDF:679926.3/14

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

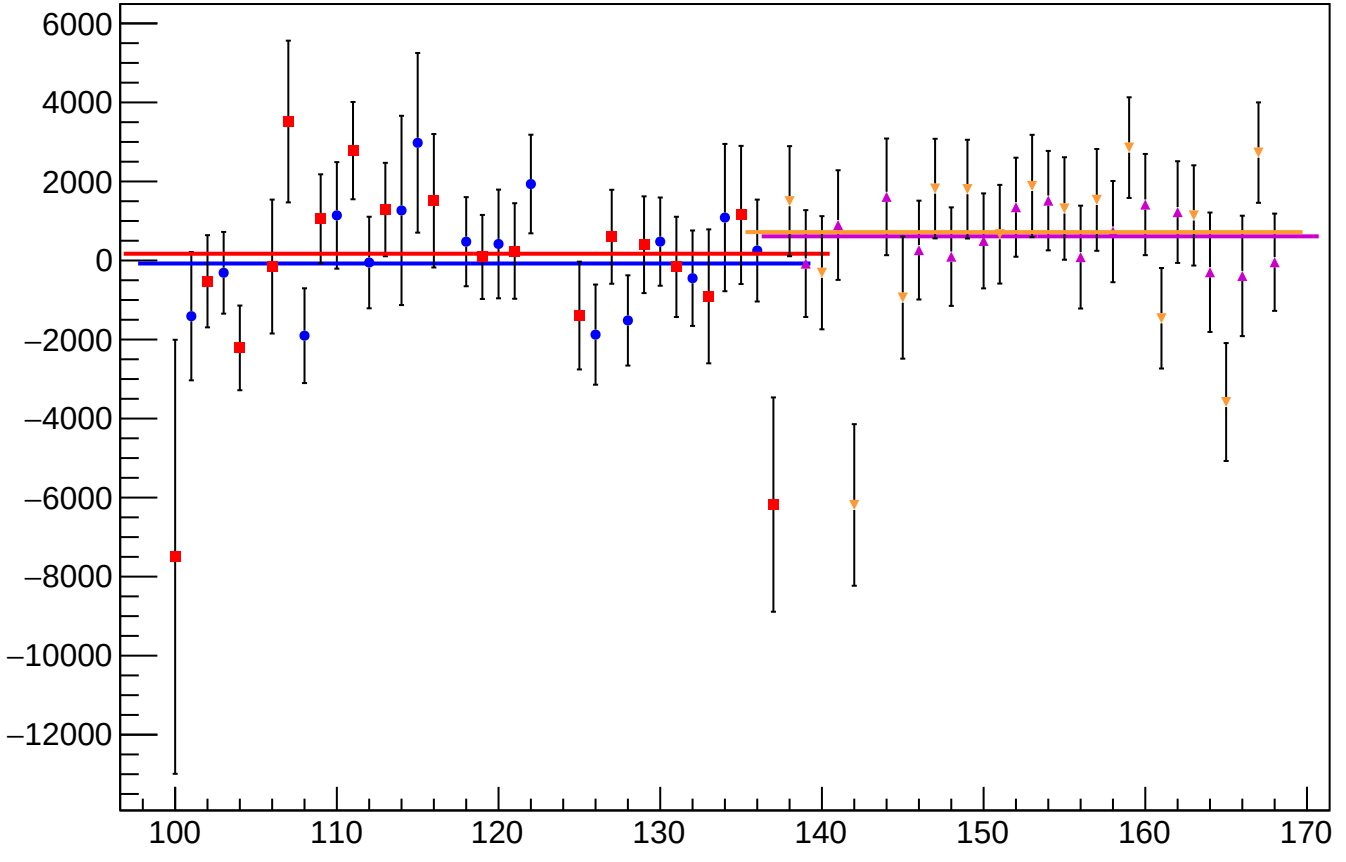
Left In: 4042.826+/-0.832 χ^2/NDF:1027547.7/14

+ sign 3144.913+/-0.534 χ^2/NDF: 3027361.8/30

All: 2987.865+/-0.362 χ^2/NDF: 8627167.7/63

- sign 2854.283+/-0.493 χ^2/NDF: 5439878.2/32

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 718.781+/-347.271 χ^2/NDF:33.0/14

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

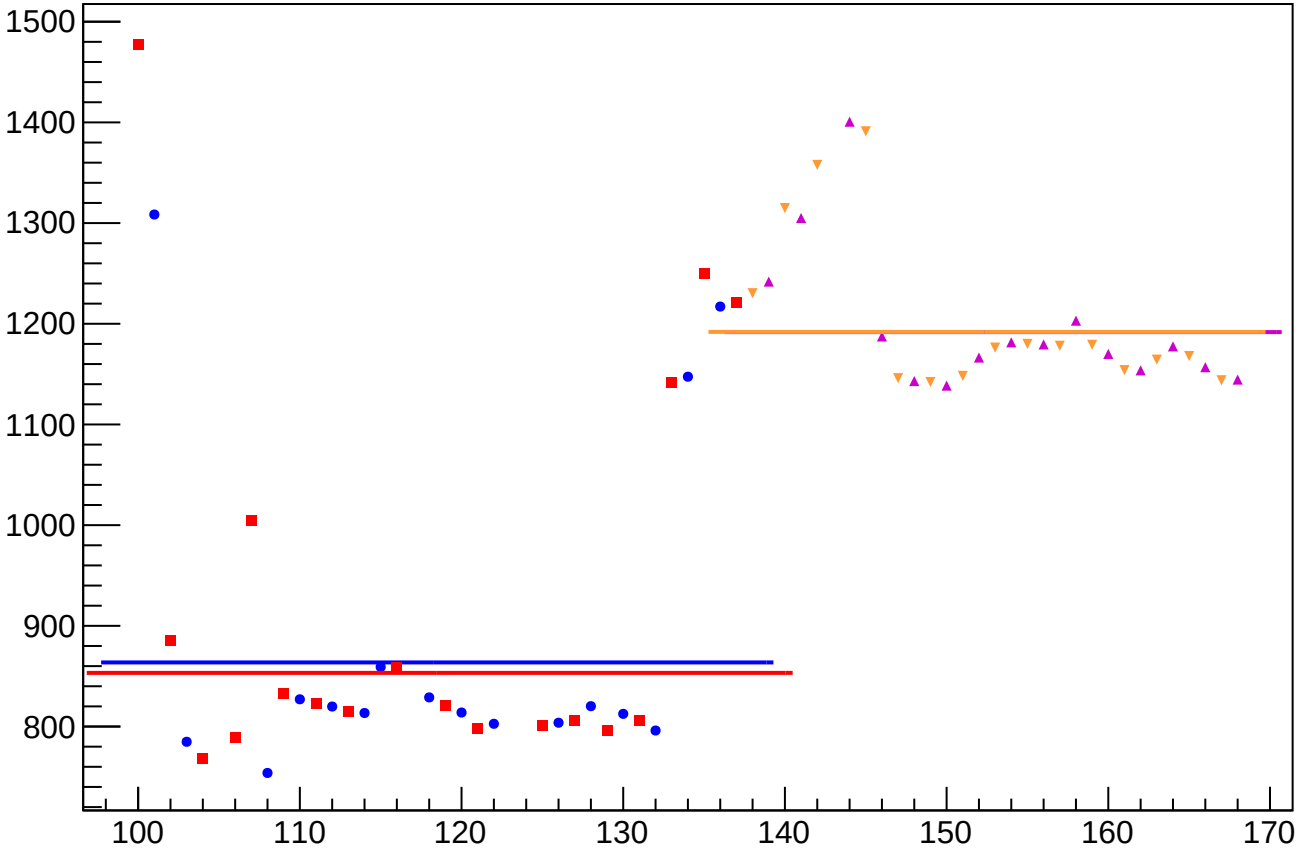
Left In: 611.214+/-338.795 χ^2/NDF:3.7/14

+ sign 296.568+/-237.769 χ^2/NDF: 49.2/30

All: 338.968+/-166.539 χ^2/NDF: 78.2/63

- sign 379.801+/-233.336 χ^2/NDF: 29.0/32

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1191.958+/-0.246 χ^2/NDF:77921.8/14

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

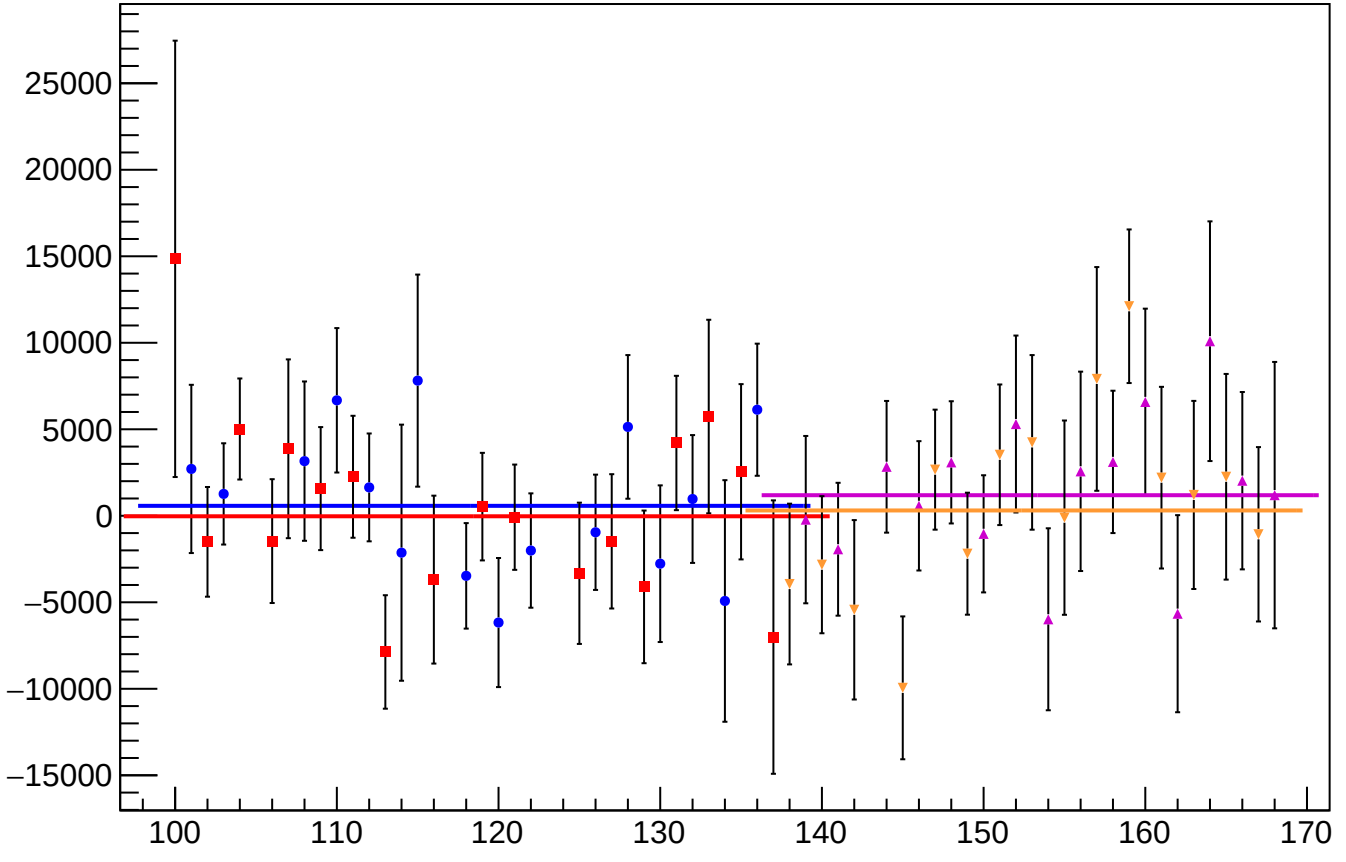
Left In: 1191.733+/-0.240 χ^2/NDF:70901.8/14

+ sign 1017.562+/-0.168 χ^2/NDF: 1434927.3/30

All: 1015.208+/-0.118 χ^2/NDF: 2835863.6/63

- sign 1012.953+/-0.165 χ^2/NDF: 1400552.6/32

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 308.041+/-1183.902 χ^2/NDF:19.9/14

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

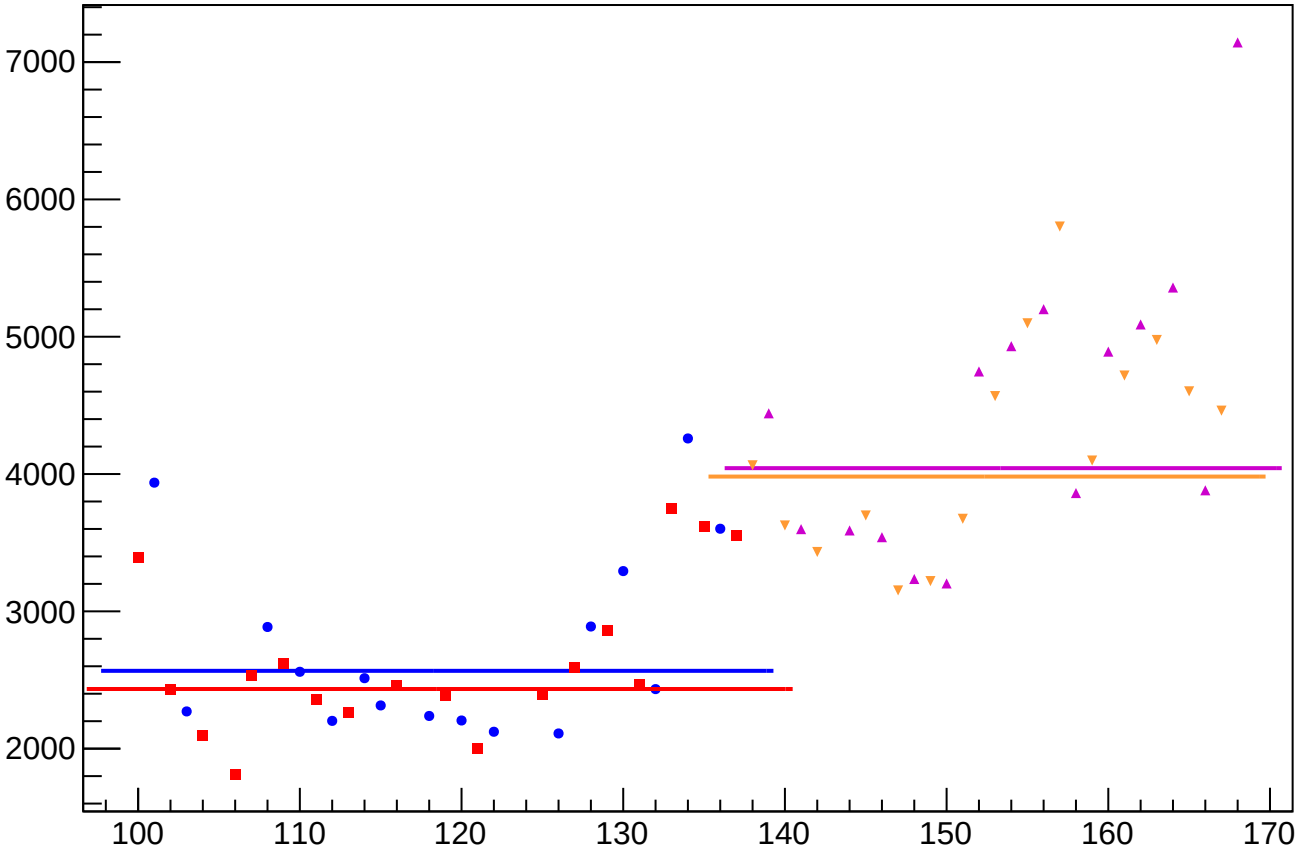
Left In: 1189.277+/-1175.975 χ^2/NDF:8.6/14

+ sign 466.452+/-754.852 χ^2/NDF: 34.6/30

All: 450.160+/-523.125 χ^2/NDF: 61.0/63

- sign 435.104+/-725.635 χ^2/NDF: 26.5/32

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3981.548+/-0.837 χ^2/NDF:679926.0/14

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

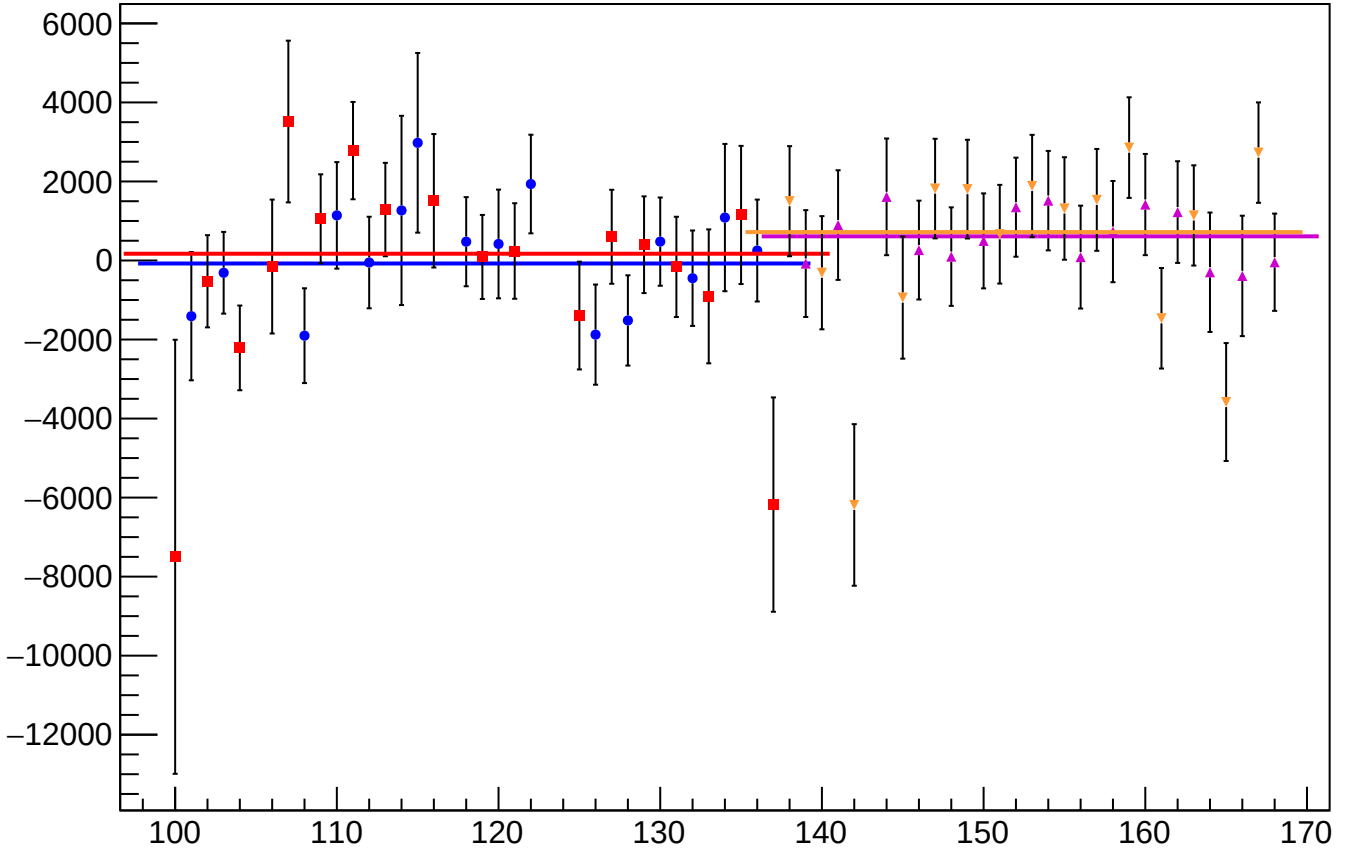
Left In: 4042.821+/-0.832 χ^2/NDF:1027550.8/14

+ sign 3141.897+/-0.534 χ^2/NDF: 3040906.0/30

All: 3092.486+/-0.370 χ^2/NDF: 6835795.8/63

- sign 3046.825+/-0.513 χ^2/NDF: 3778401.1/32

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 718.781+/-347.271 χ^2/NDF:33.0/14

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

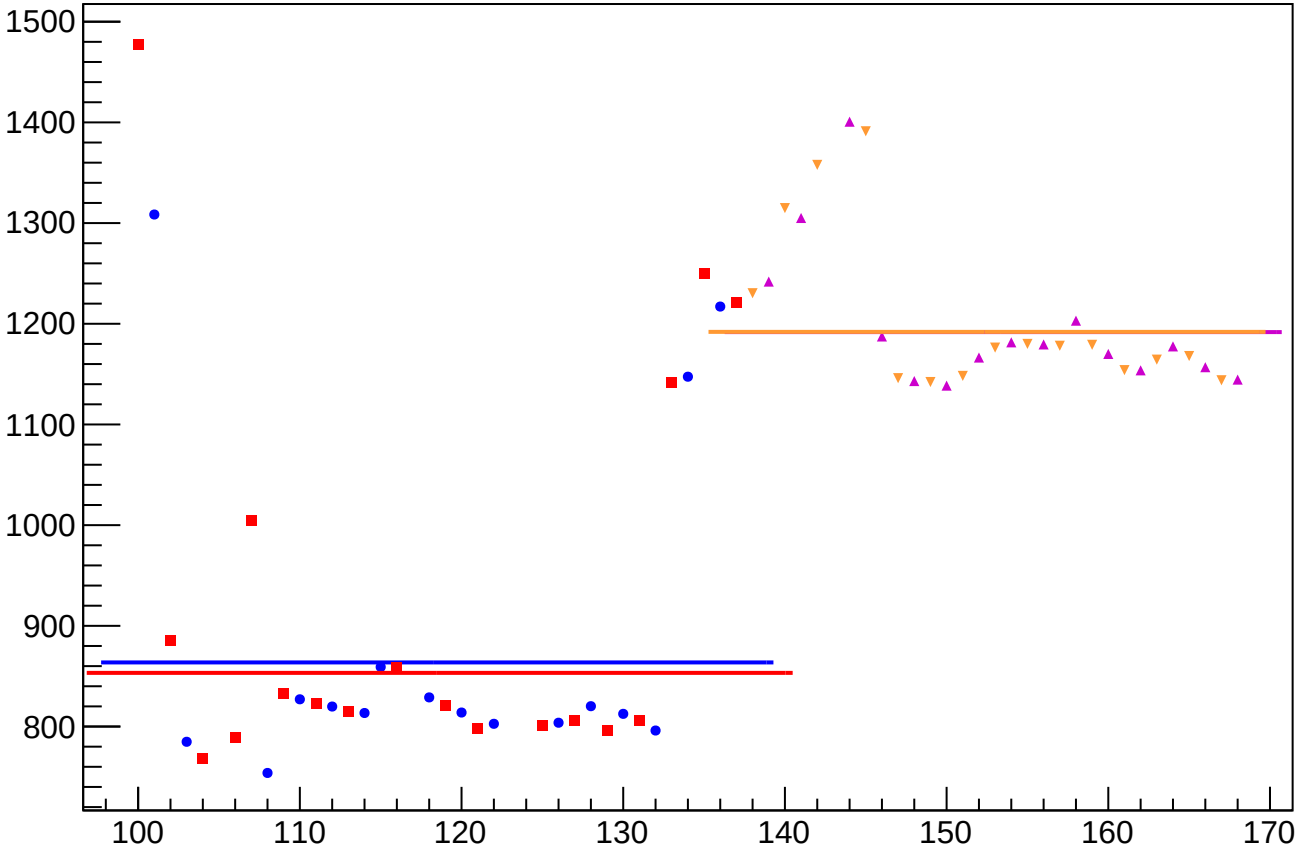
Left In: 611.214+/-338.795 χ^2/NDF:3.7/14

+ sign 296.568+/-237.769 χ^2/NDF: 49.2/30

All: 338.968+/-166.539 χ^2/NDF: 78.2/63

- sign 379.801+/-233.336 χ^2/NDF: 29.0/32

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1191.958+/-0.246 χ^2/NDF:77921.8/14

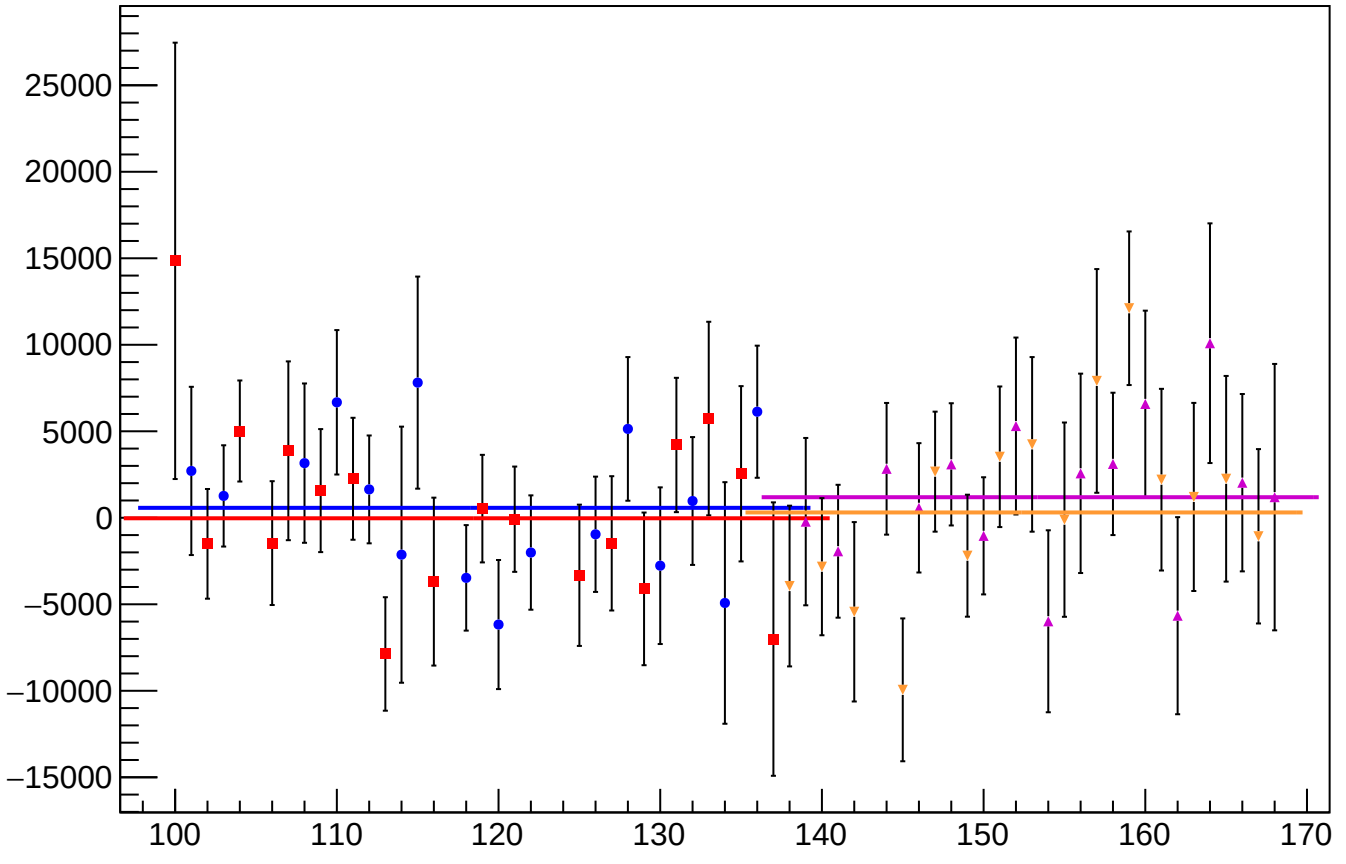
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1191.733+/-0.240 χ^2/NDF:70901.8/14

+ sign 1017.562+/-0.168 χ^2/NDF: 1434927.3/30

All: 1015.208+/-0.118 χ^2/NDF: 2835863.6/63

- sign 1012.953+/-0.165 χ^2/NDF: 1400552.6/32



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 308.041+/-1183.902 χ^2/NDF:19.9/14

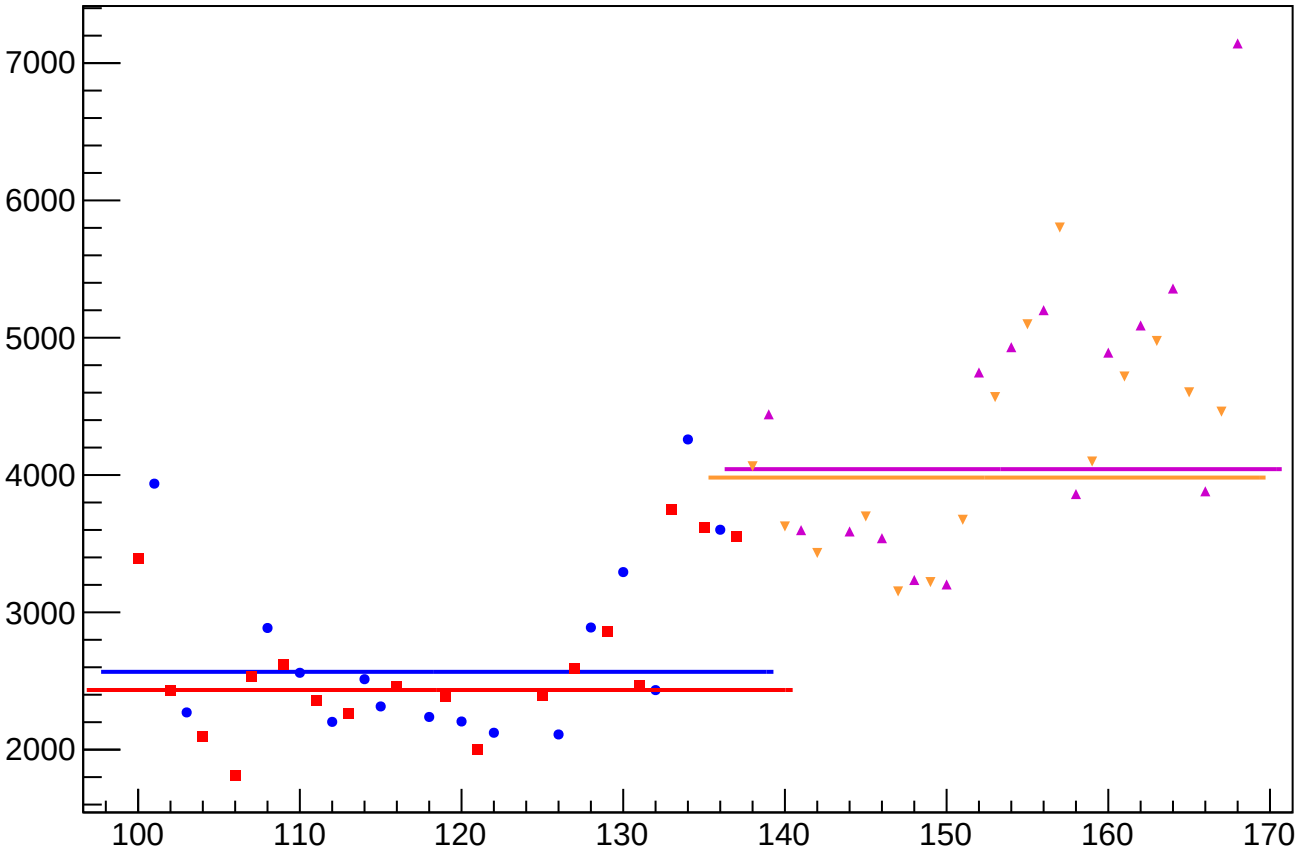
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 1189.277+/-1175.975 χ^2/NDF:8.6/14

+ sign 466.452+/-754.852 χ^2/NDF: 34.6/30

All: 450.160+/-523.125 χ^2/NDF: 61.0/63

- sign 435.104+/-725.635 χ^2/NDF: 26.5/32



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3981.548+/-0.837 χ^2/NDF:679926.0/14

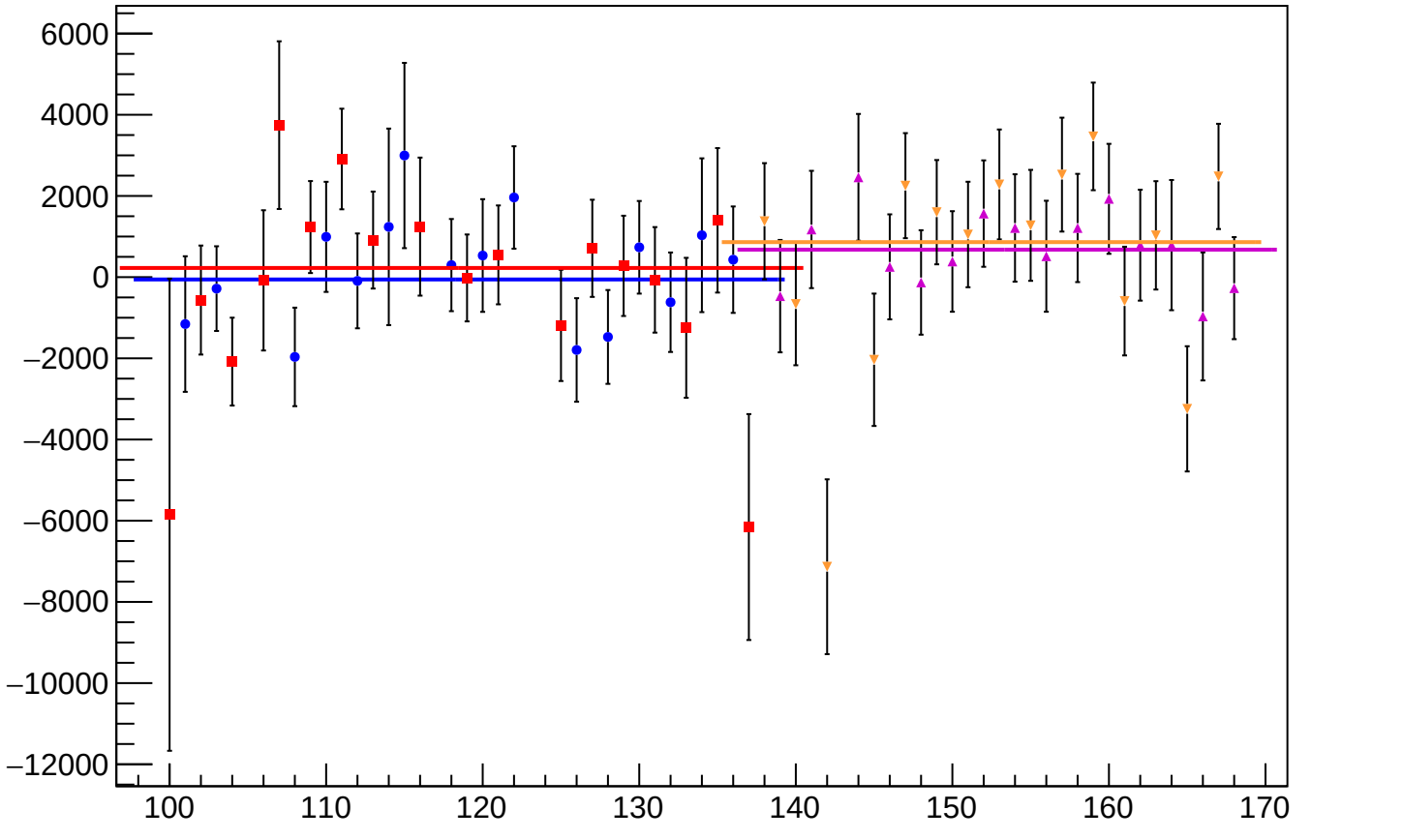
Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 4042.821+/-0.832 χ^2/NDF:1027550.8/14

+ sign 3141.897+/-0.534 χ^2/NDF: 3040906.0/30

All: 3092.486+/-0.370 χ^2/NDF: 6835795.8/63

- sign 3046.825+/-0.513 χ^2/NDF: 3778401.1/32



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 862.455+/-362.536 χ^2/NDF:35.9/14

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

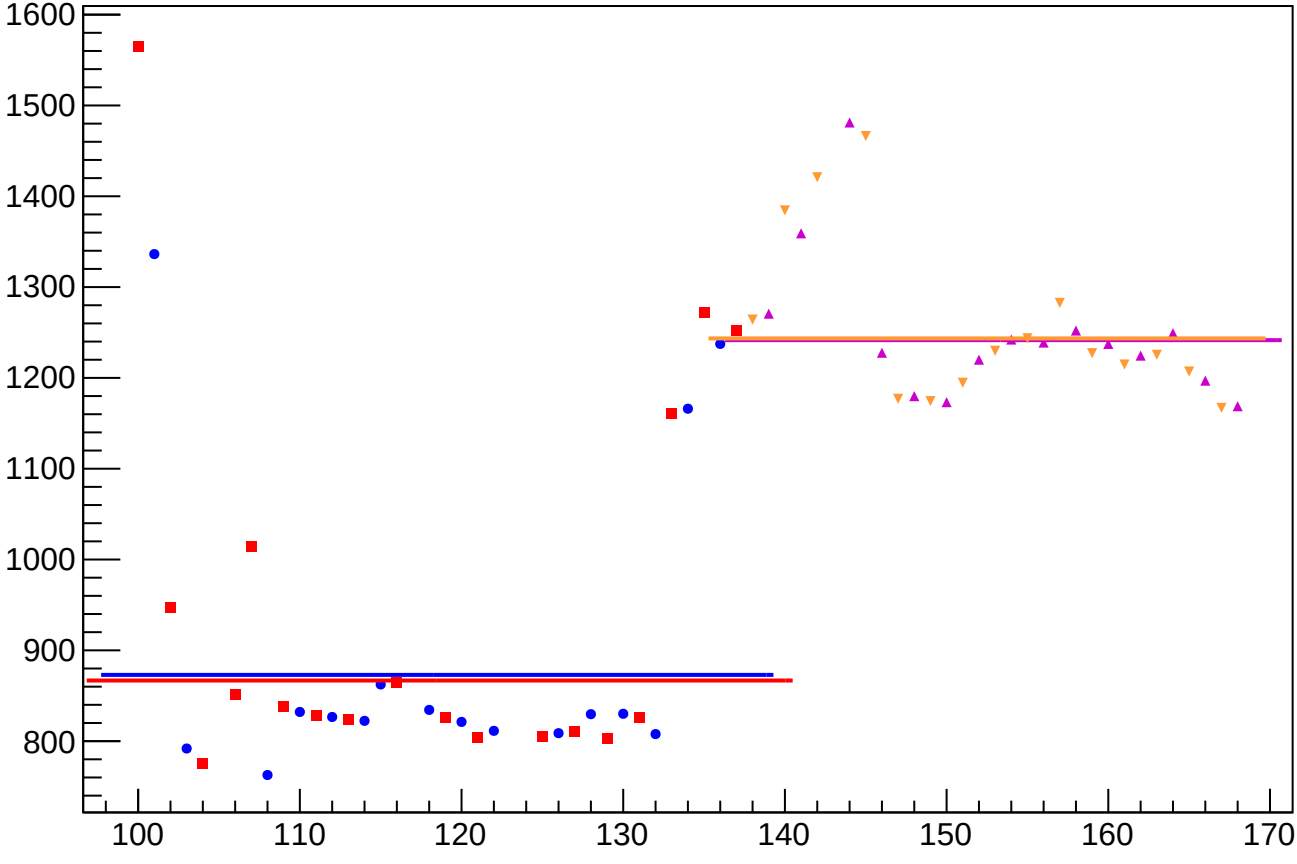
Left In: 676.964+/-353.087 χ^2/NDF:6.0/14

+ sign 359.633+/-244.075 χ^2/NDF: 52.4/30

All: 397.888+/-171.250 χ^2/NDF: 82.2/63

- sign 434.981+/-240.338 χ^2/NDF: 29.8/32

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1243.473+/-0.256 χ^2/NDF:94151.4/14

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

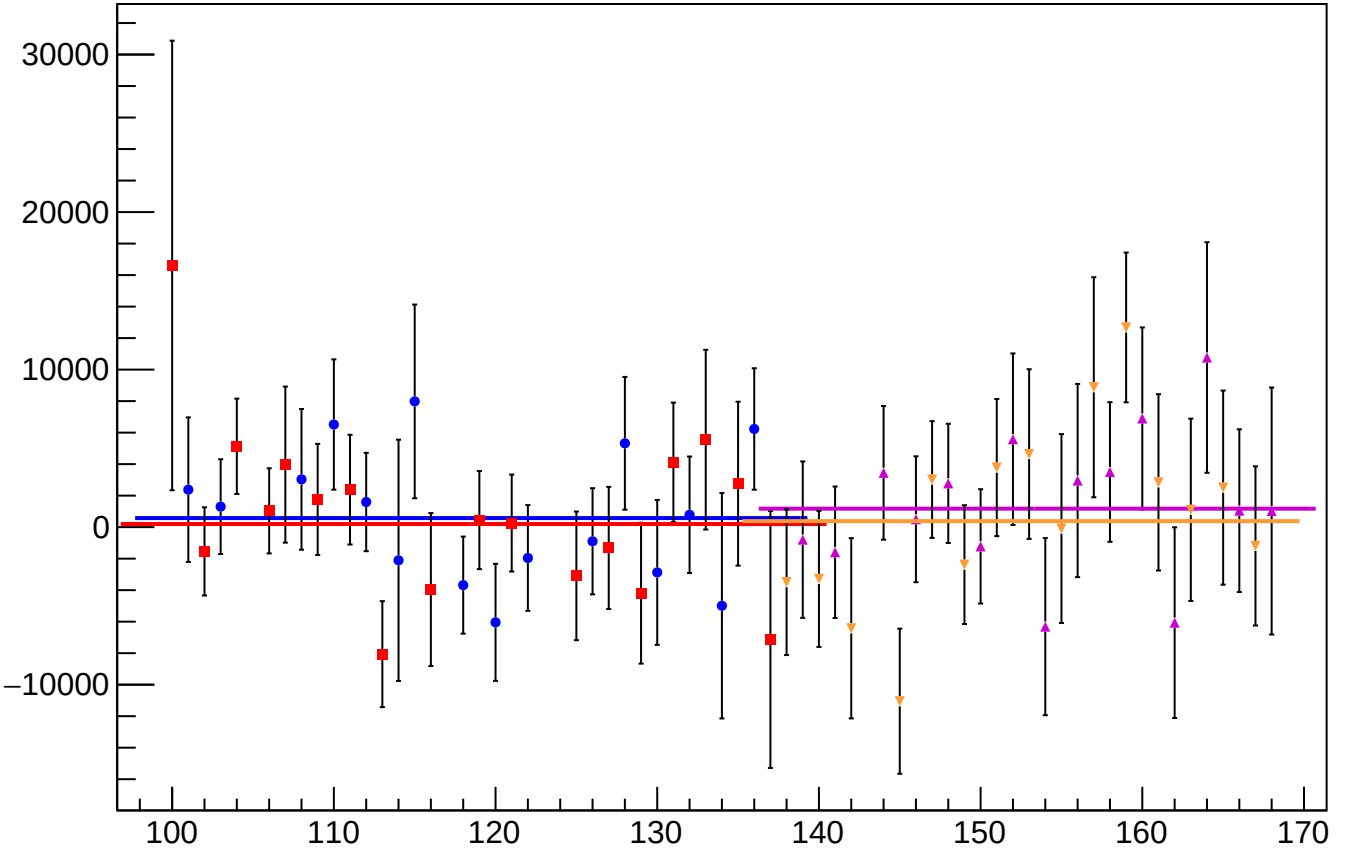
Left In: 1241.559+/-0.250 χ^2/NDF:81527.2/14

+ sign 1040.903+/-0.173 χ^2/NDF: 1653321.9/30

All: 1040.563+/-0.121 χ^2/NDF: 3235697.0/63

- sign 1040.234+/-0.170 χ^2/NDF: 1582367.5/32

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 382.076+/-1261.563 χ^2/NDF:19.9/14

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

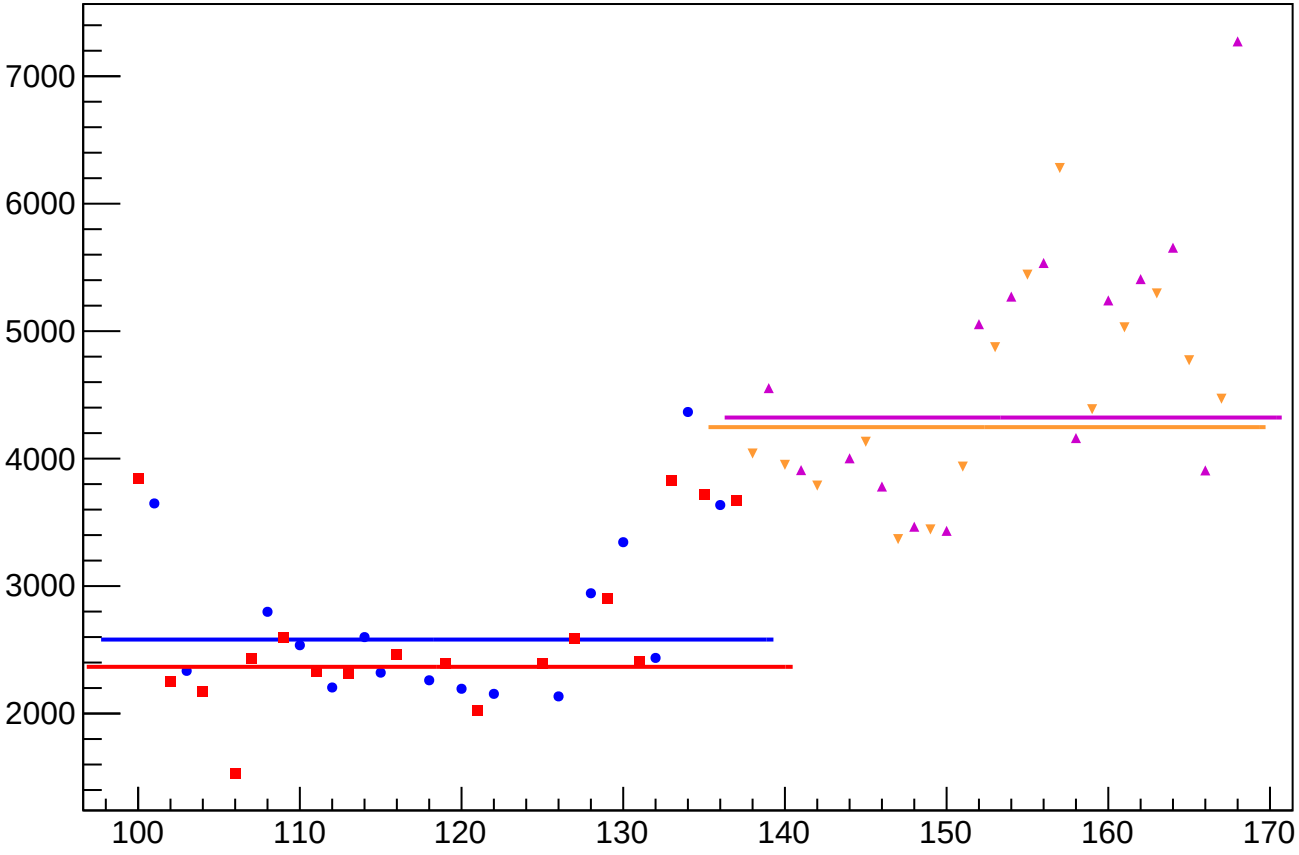
Left In: 1172.659+/-1255.429 χ^2/NDF:8.4/14

+ sign 502.112+/-776.327 χ^2/NDF: 34.6/30

All: 514.804+/-531.151 χ^2/NDF: 60.6/63

- sign 525.974+/-728.293 χ^2/NDF: 26.0/32

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4246.920+/-0.892 χ^2/NDF:641770.6/14

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

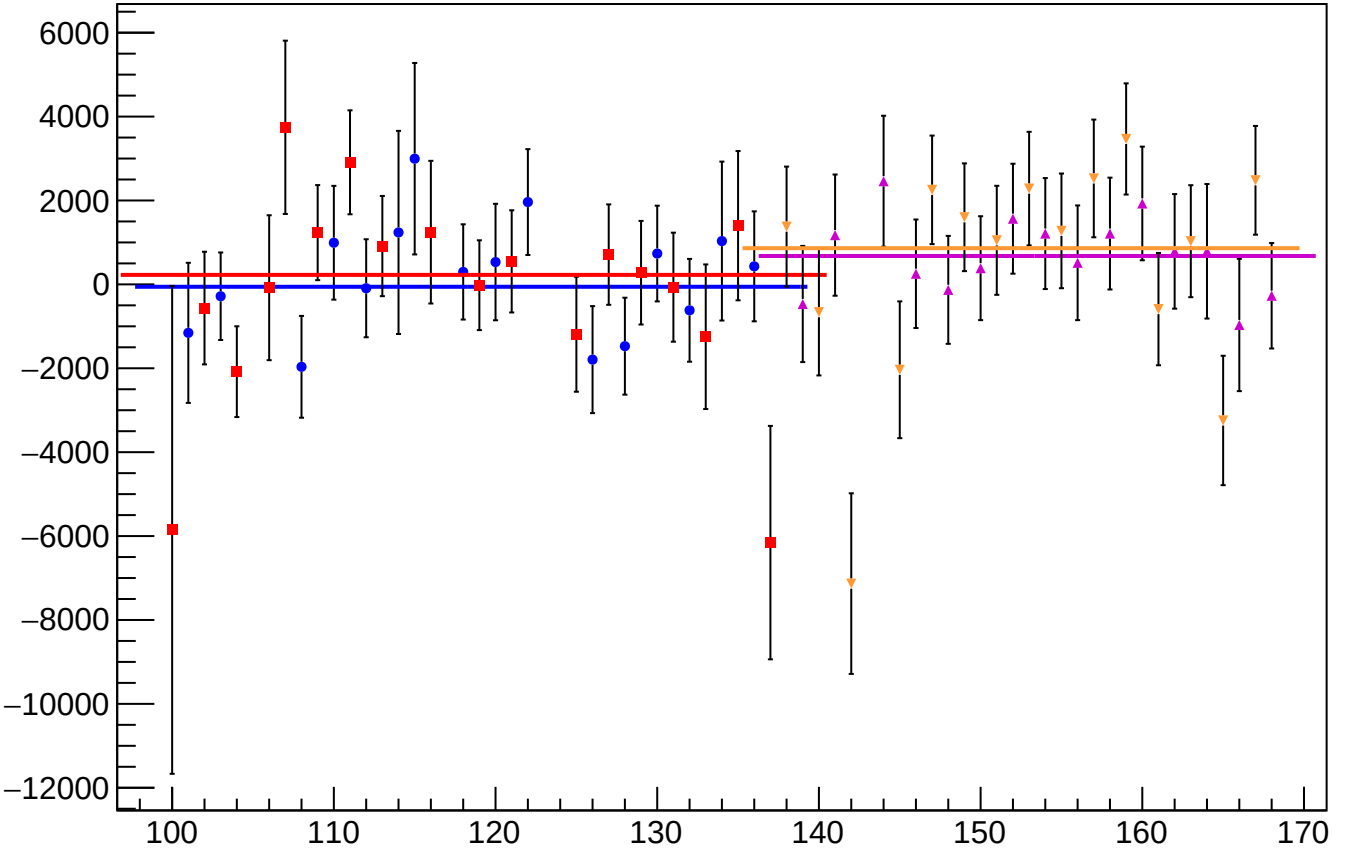
Left In: 4322.270+/-0.888 χ^2/NDF:945933.0/14

+ sign 3211.463+/-0.549 χ^2/NDF: 3427436.2/30

All: 3112.084+/-0.376 χ^2/NDF: 8267304.0/63

- sign 3024.624+/-0.515 χ^2/NDF: 4778250.8/32

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 862.457+/-362.537 χ^2/NDF:35.9/14

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

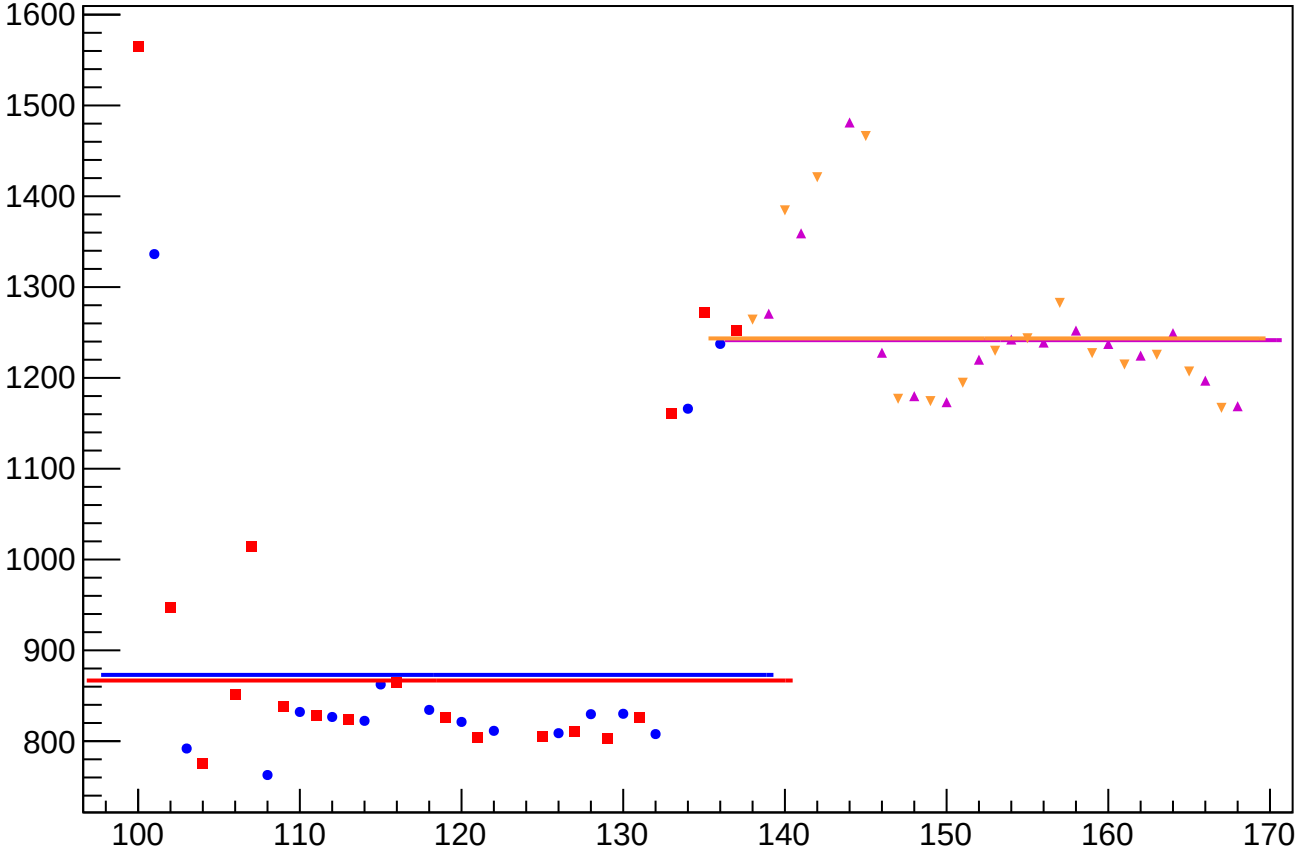
Left In: 676.964+/-353.088 χ^2/NDF:6.0/14

+ sign 359.632+/-244.075 χ^2/NDF: 52.4/30

All: 397.888+/-171.251 χ^2/NDF: 82.2/63

- sign 434.982+/-240.338 χ^2/NDF: 29.8/32

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1243.475+/-0.256 χ^2/NDF:94153.0/14

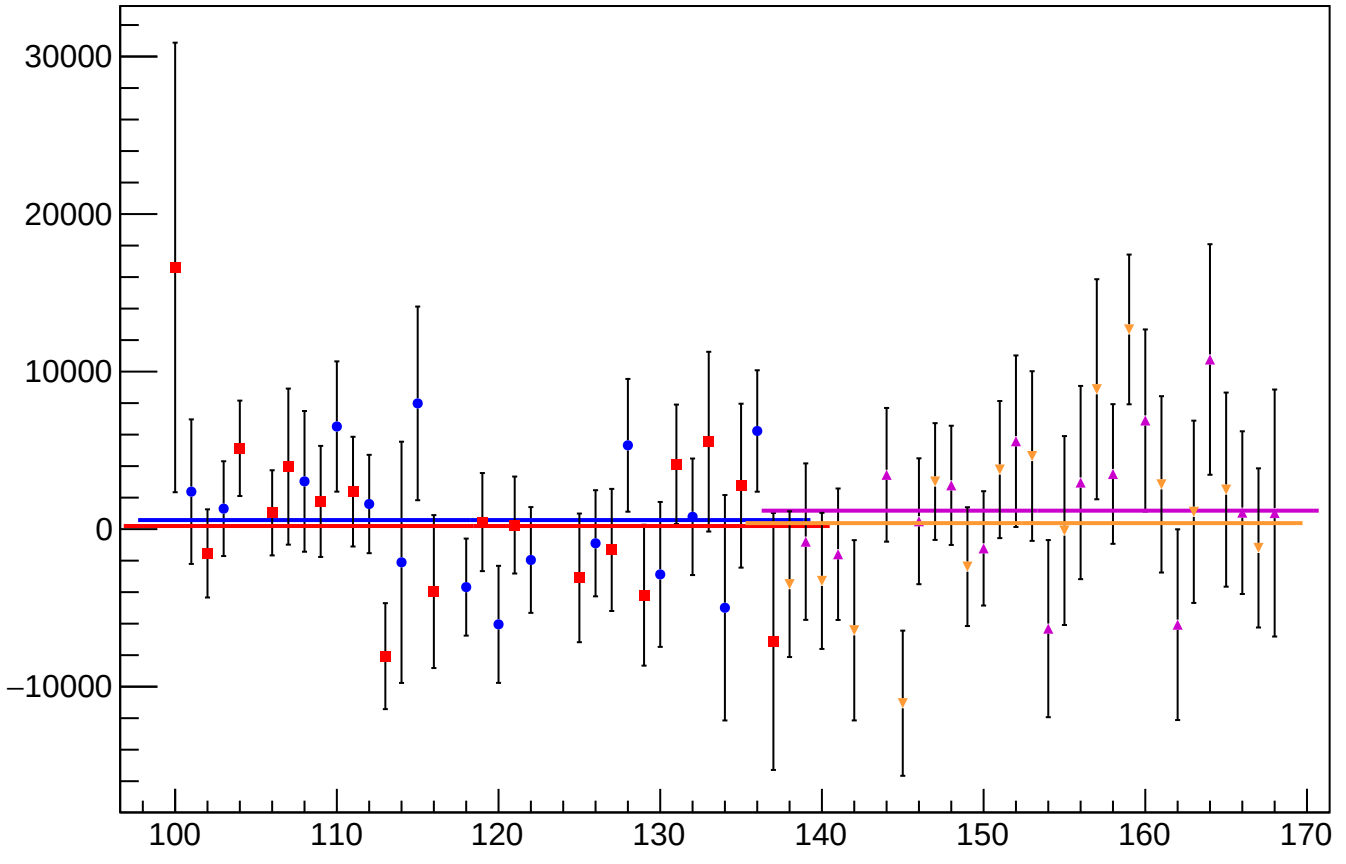
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1241.560+/-0.250 χ^2/NDF:81528.0/14

+ sign 1040.903+/-0.173 χ^2/NDF: 1653329.7/30

All: 1040.564+/-0.121 χ^2/NDF: 3235712.8/63

- sign 1040.234+/-0.170 χ^2/NDF: 1582375.5/32



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 382.079+/-1261.565 χ^2/NDF:19.9/14

Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

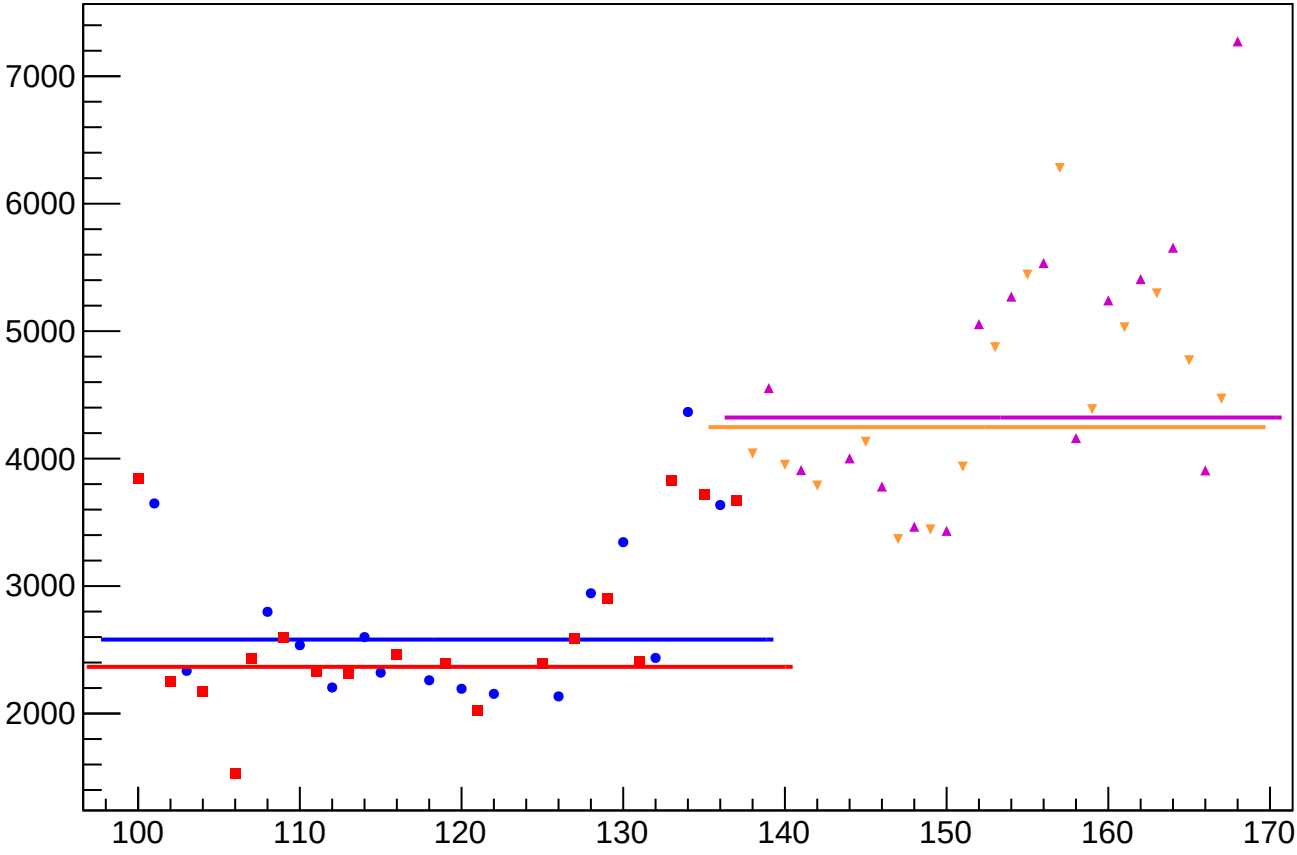
Left In: 1172.659+/-1255.430 χ^2/NDF:8.4/14

\+ sign 502.111+/-776.326 χ^2/NDF: 34.6/30

All: 514.803+/-531.150 χ^2/NDF: 60.6/63

\- sign 525.973+/-728.292 χ^2/NDF: 26.0/32

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4246.926+/-0.892 χ^2/NDF:641773.9/14

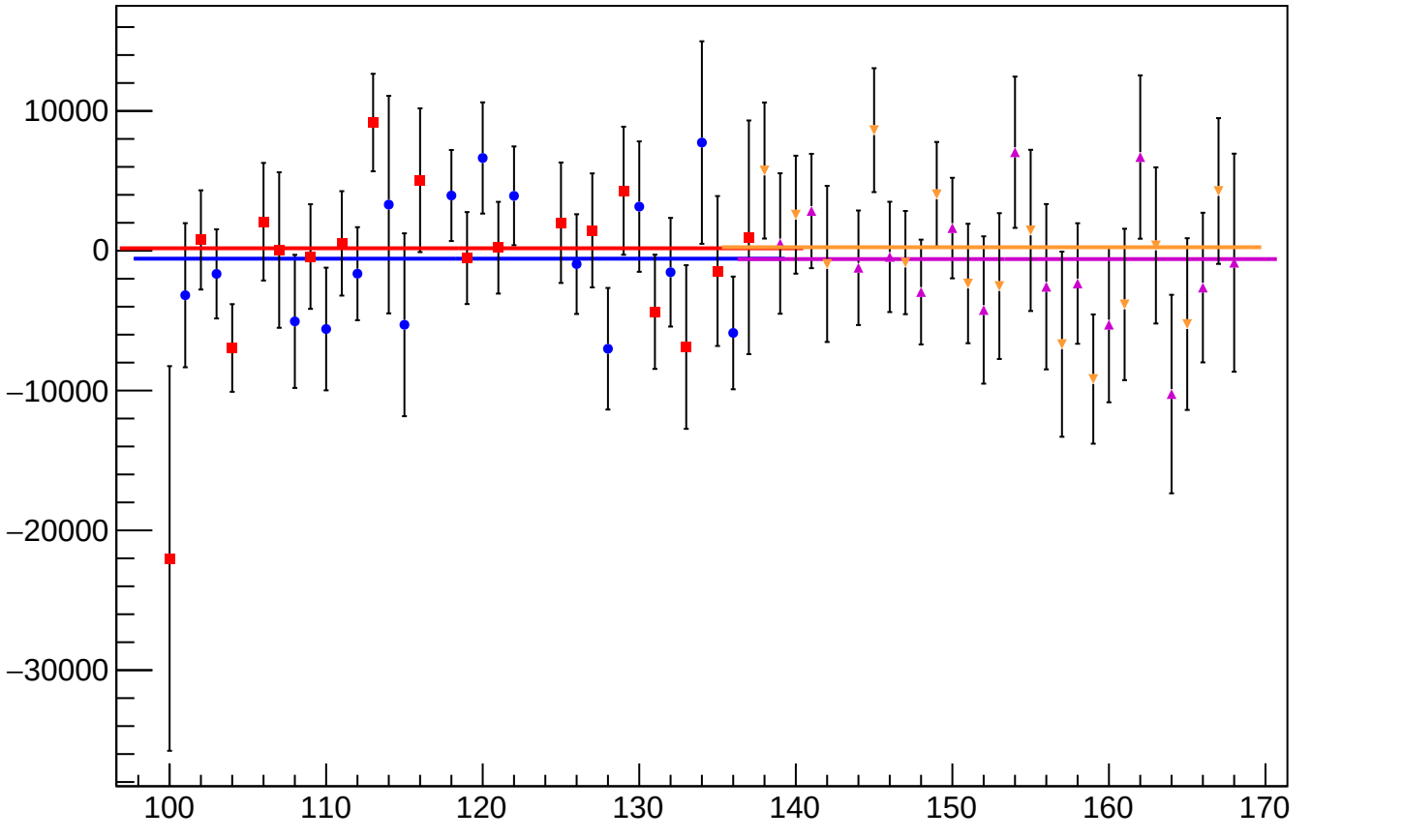
Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4322.276+/-0.888 χ^2/NDF:945936.8/14

+ sign 3211.456+/-0.549 χ^2/NDF: 3427485.4/30

All: 3112.078+/-0.376 χ^2/NDF: 8267401.9/63

- sign 3024.617+/-0.515 χ^2/NDF: 4778299.5/32



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 251.905+/-1243.281 χ^2/NDF:14.2/14

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

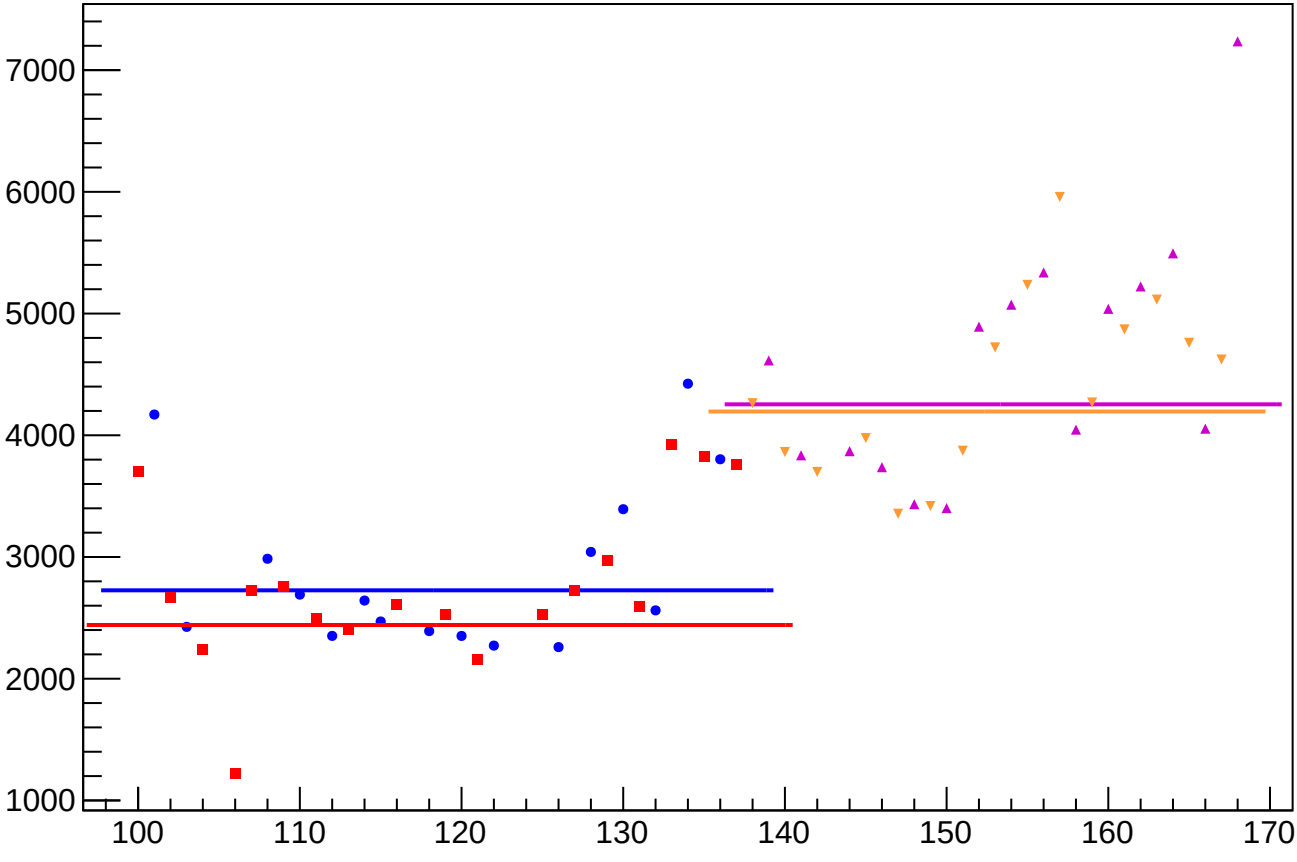
Left In: -594.749+/-1233.314 χ^2/NDF:8.6/14

+ sign -229.230+/-797.849 χ^2/NDF: 30.7/30

All: -174.757+/-554.530 χ^2/NDF: 59.0/63

- sign -123.852+/-771.273 χ^2/NDF: 28.3/32

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4195.137+/-0.879 χ^2/NDF:577846.2/14

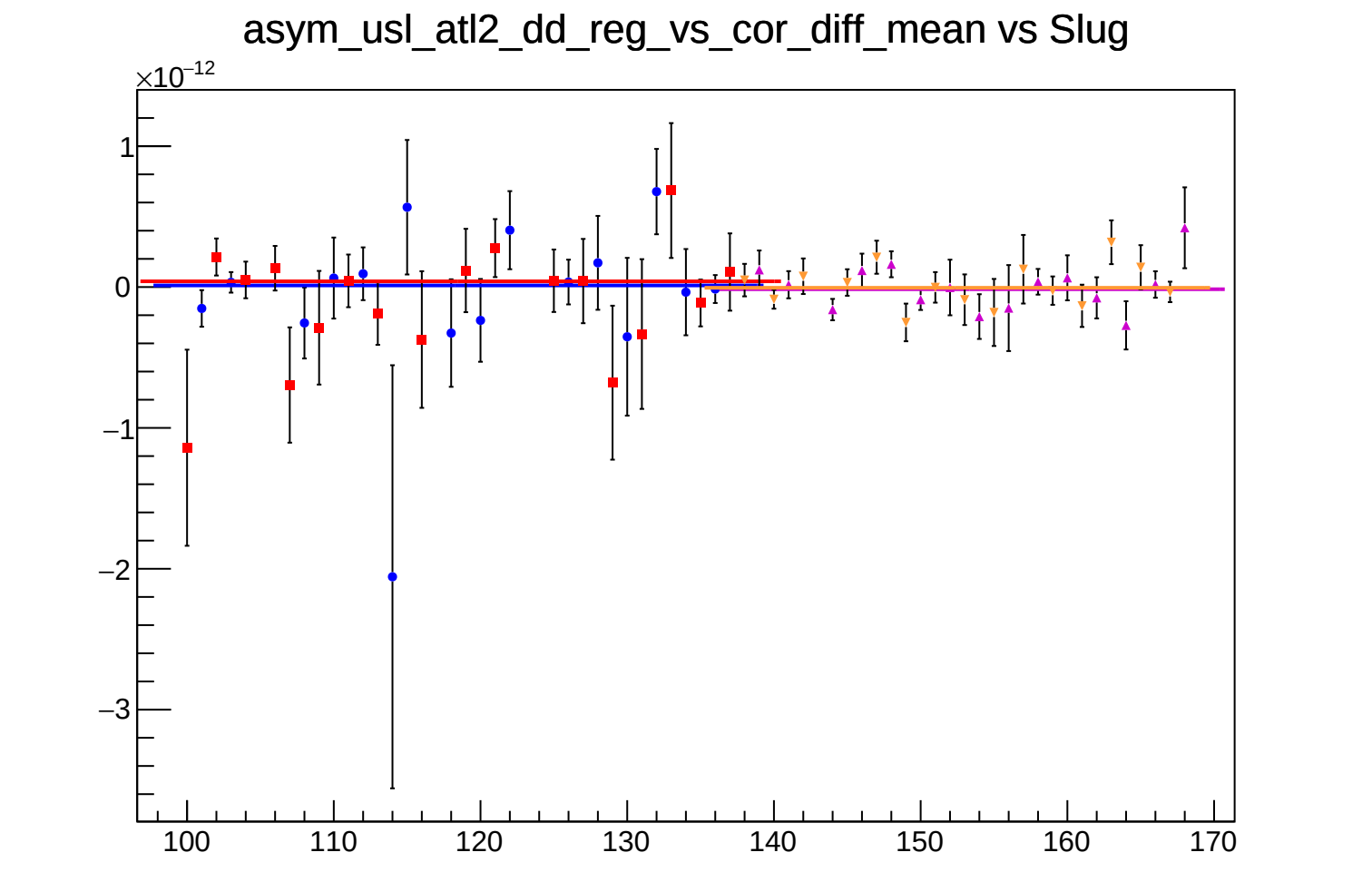
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4254.321+/-0.872 χ^2/NDF:889817.6/14

+ sign 3331.150+/-0.564 χ^2/NDF: 2843002.3/30

All: 3213.844+/-0.386 χ^2/NDF: 7432184.9/63

- sign 3110.403+/-0.530 χ^2/NDF: 4507824.2/32



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/14

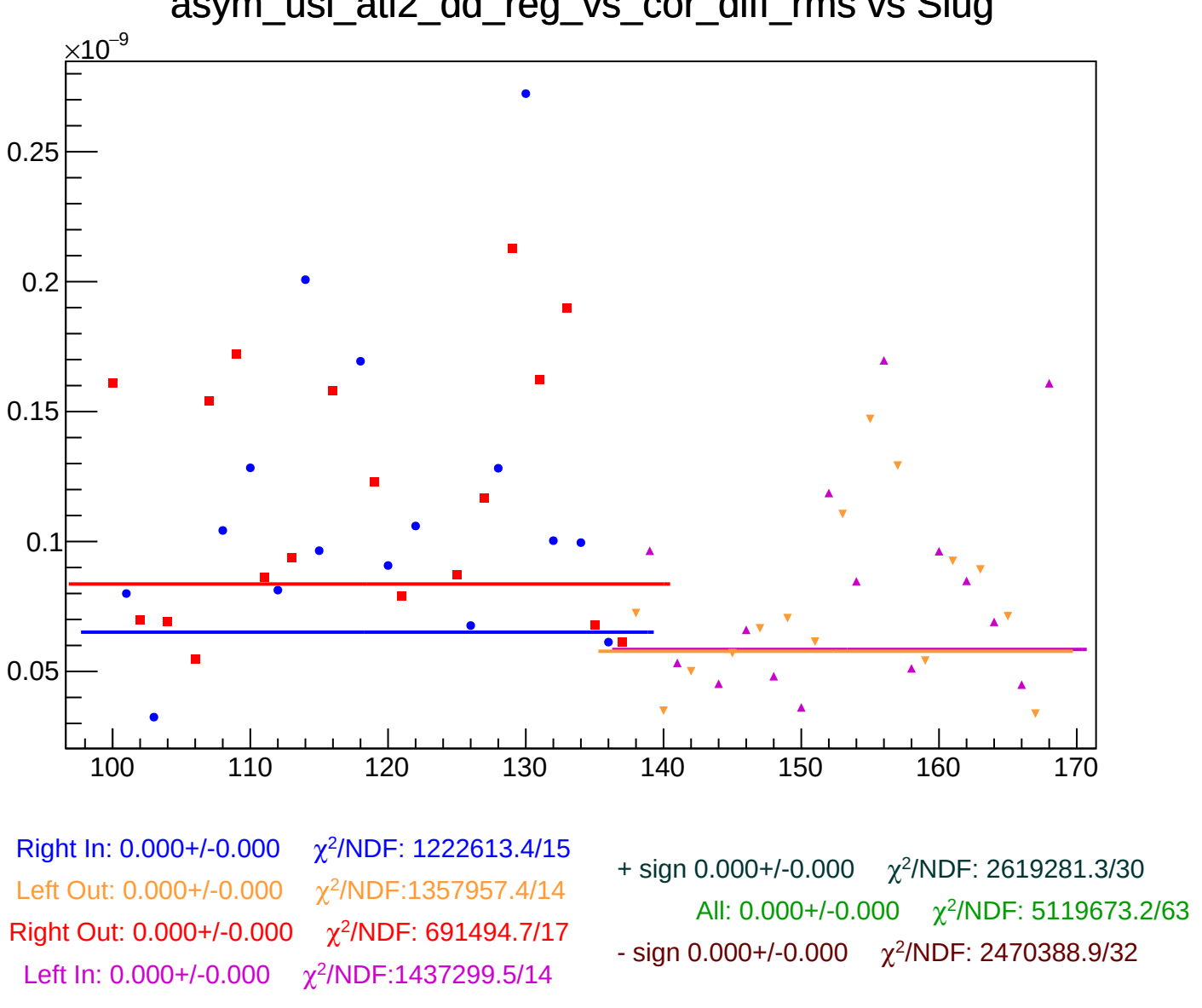
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:17.8/14

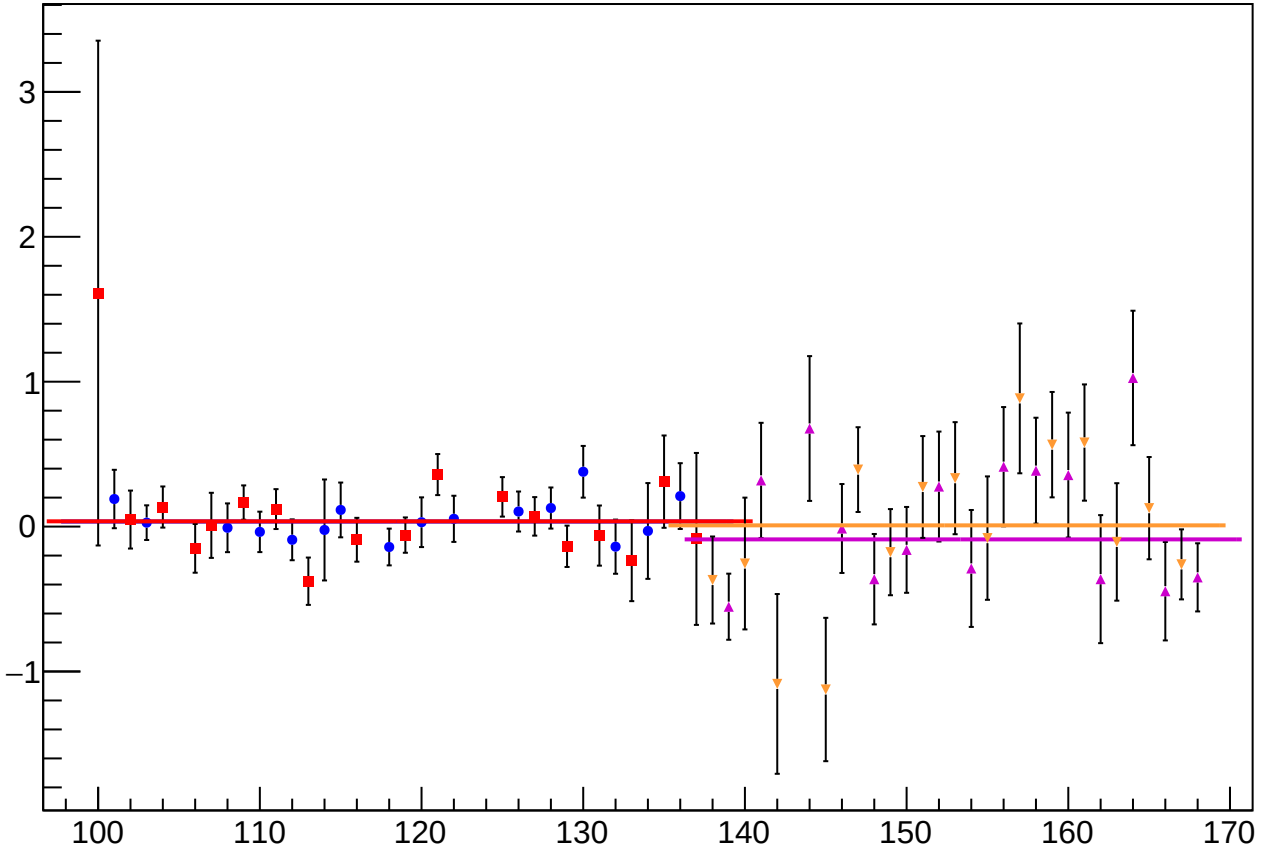
+ sign -0.000+/-0.000 χ^2/NDF: 31.7/30

All: -0.000+/-0.000 χ^2/NDF: 67.4/63

- sign -0.000+/-0.000 χ^2/NDF: 35.7/32


asym_usl_atl2_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1222613.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1357957.4/14
Right Out: 0.000+/-0.000 χ²/NDF: 691494.7/17
Left In: 0.000+/-0.000 χ²/NDF:1437299.5/14
+ sign 0.000+/-0.000 χ²/NDF: 2619281.3/30
All: 0.000+/-0.000 χ²/NDF: 5119673.2/63
- sign 0.000+/-0.000 χ²/NDF: 2470388.9/32

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: 0.009+/-0.093 χ^2/NDF:22.4/14

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

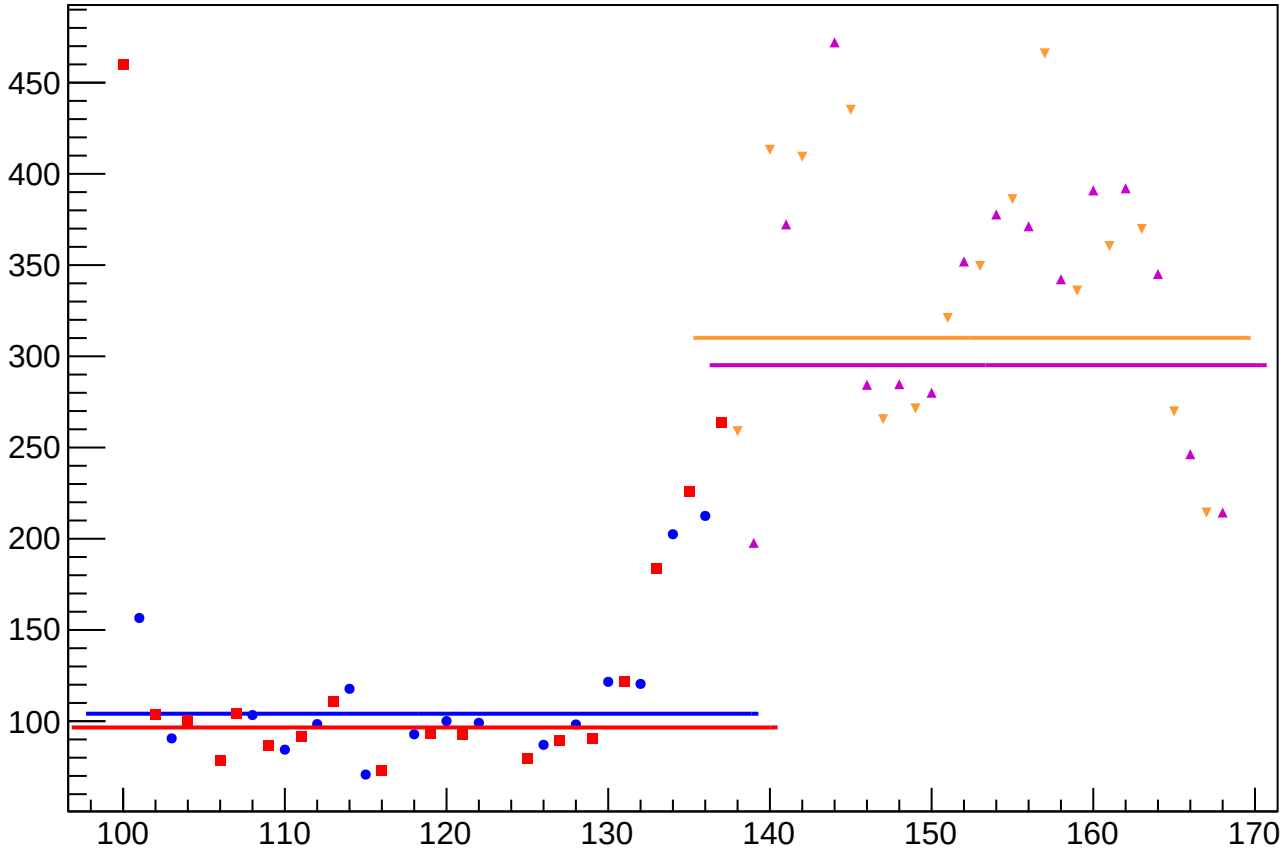
Left In: -0.088+/-0.088 χ^2/NDF:22.3/14

+ sign 0.031+/-0.038 χ^2/NDF: 32.2/30

All: 0.023+/-0.026 χ^2/NDF: 78.4/63

- sign 0.016+/-0.036 χ^2/NDF: 46.1/32

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 310.137+/-0.066 χ^2/NDF:1113207.5/14

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

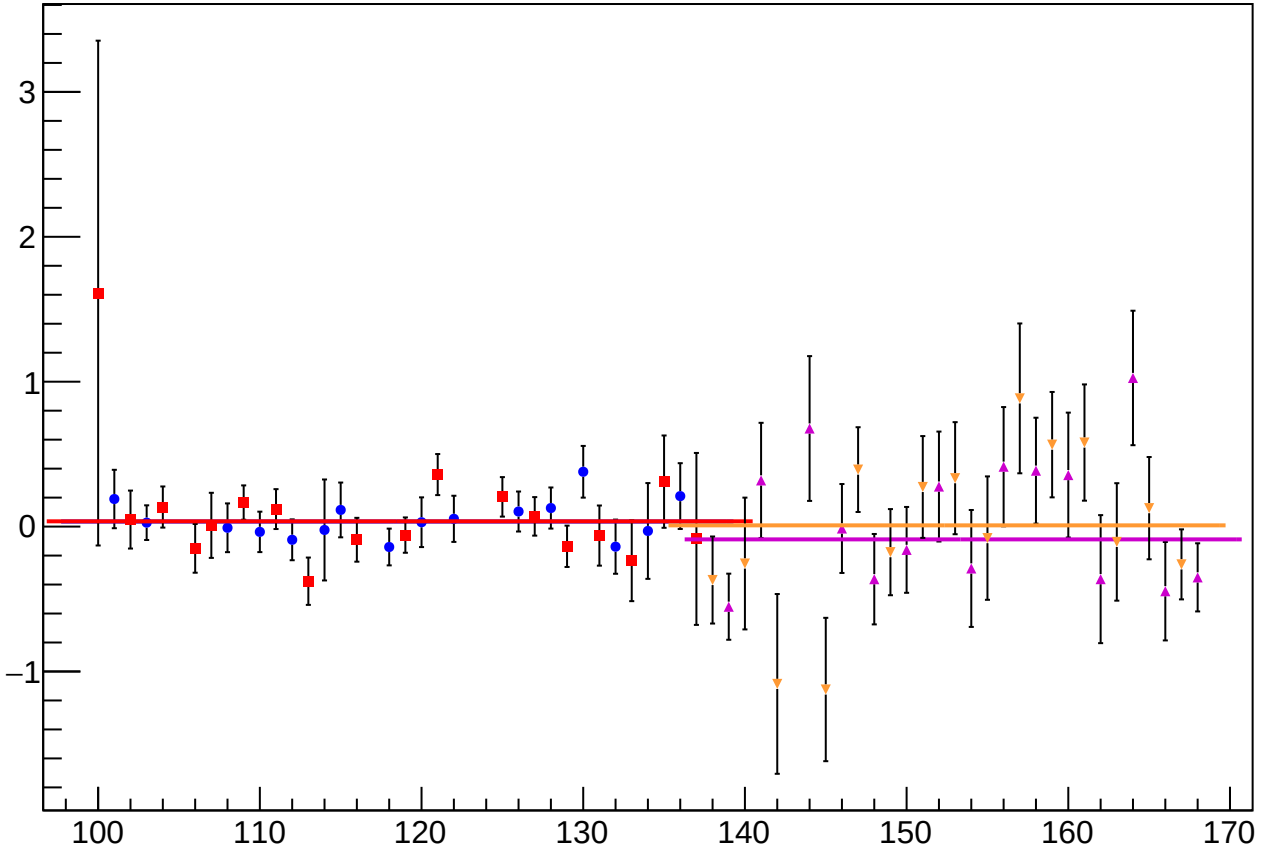
Left In: 295.141+/-0.062 χ^2/NDF:1426435.0/14

+ sign 137.437+/-0.027 χ^2/NDF: 10263139.2/30

All: 133.123+/-0.018 χ^2/NDF: 21274656.1/63

- sign 129.259+/-0.025 χ^2/NDF: 10961514.9/32

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.009+/-0.093 χ^2/NDF:22.4/14

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

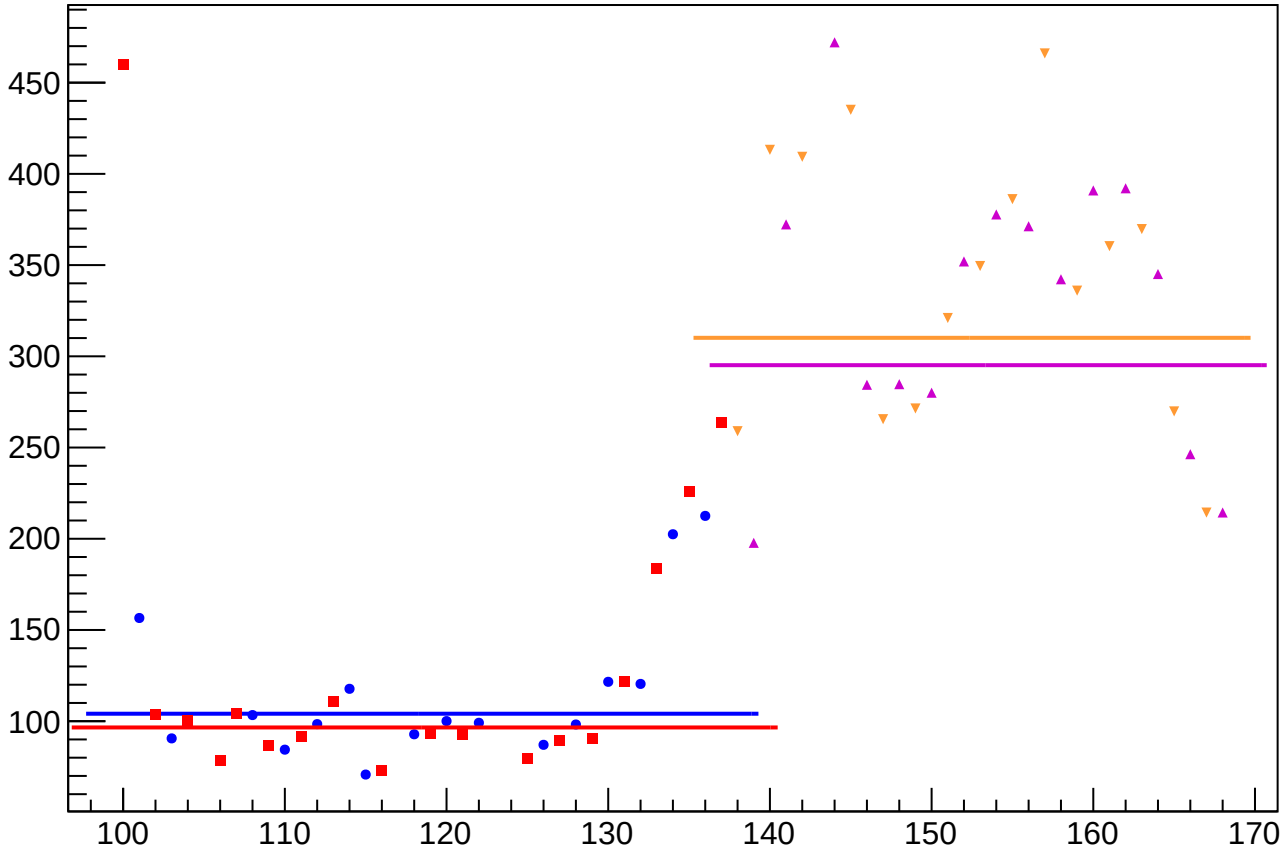
Left In: -0.088+/-0.088 χ^2/NDF:22.3/14

+ sign 0.031+/-0.038 χ^2/NDF: 32.2/30

All: 0.023+/-0.026 χ^2/NDF: 78.4/63

- sign 0.016+/-0.036 χ^2/NDF: 46.1/32

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 310.137+/-0.066 χ^2/NDF:1113207.5/14

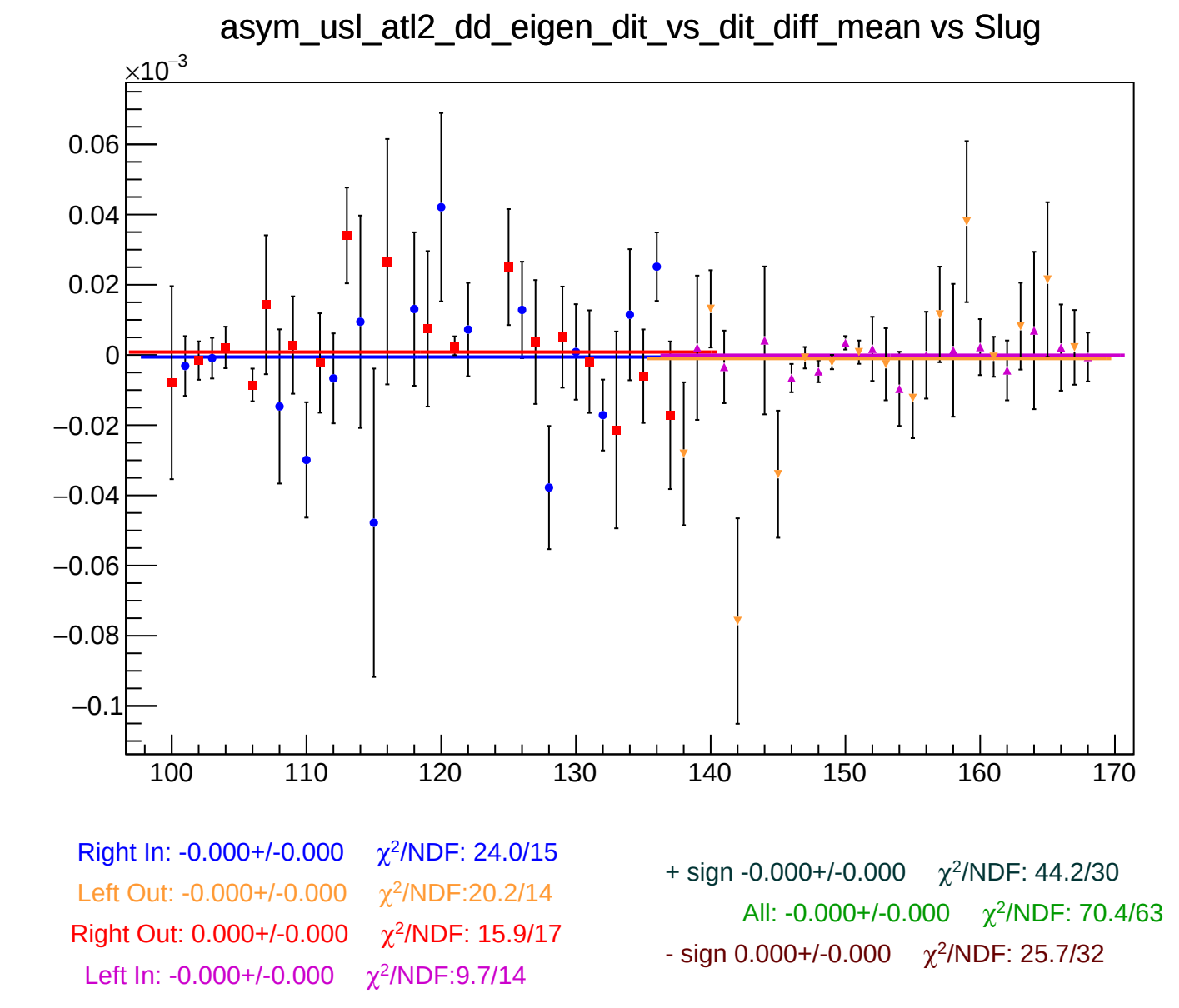
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 295.141+/-0.062 χ^2/NDF:1426435.0/14

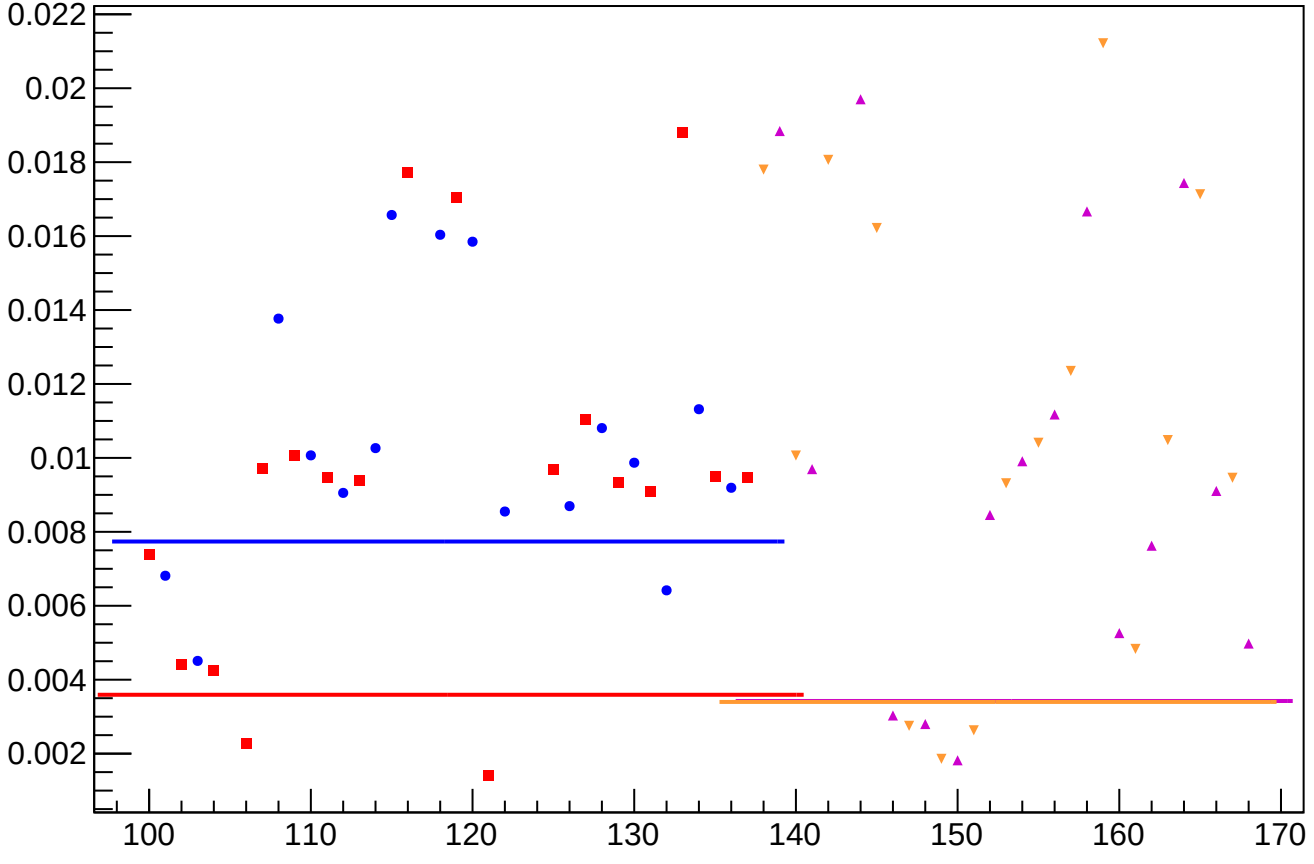
+ sign 137.437+/-0.027 χ^2/NDF: 10263139.2/30

All: 133.123+/-0.018 χ^2/NDF: 21274656.1/63

- sign 129.259+/-0.025 χ^2/NDF: 10961514.9/32


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:20.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: -0.000+/-0.000 χ²/NDF:9.7/14
+ sign -0.000+/-0.000 χ²/NDF: 44.2/30
All: -0.000+/-0.000 χ²/NDF: 70.4/63
- sign 0.000+/-0.000 χ²/NDF: 25.7/32

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:10270032.7/14

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

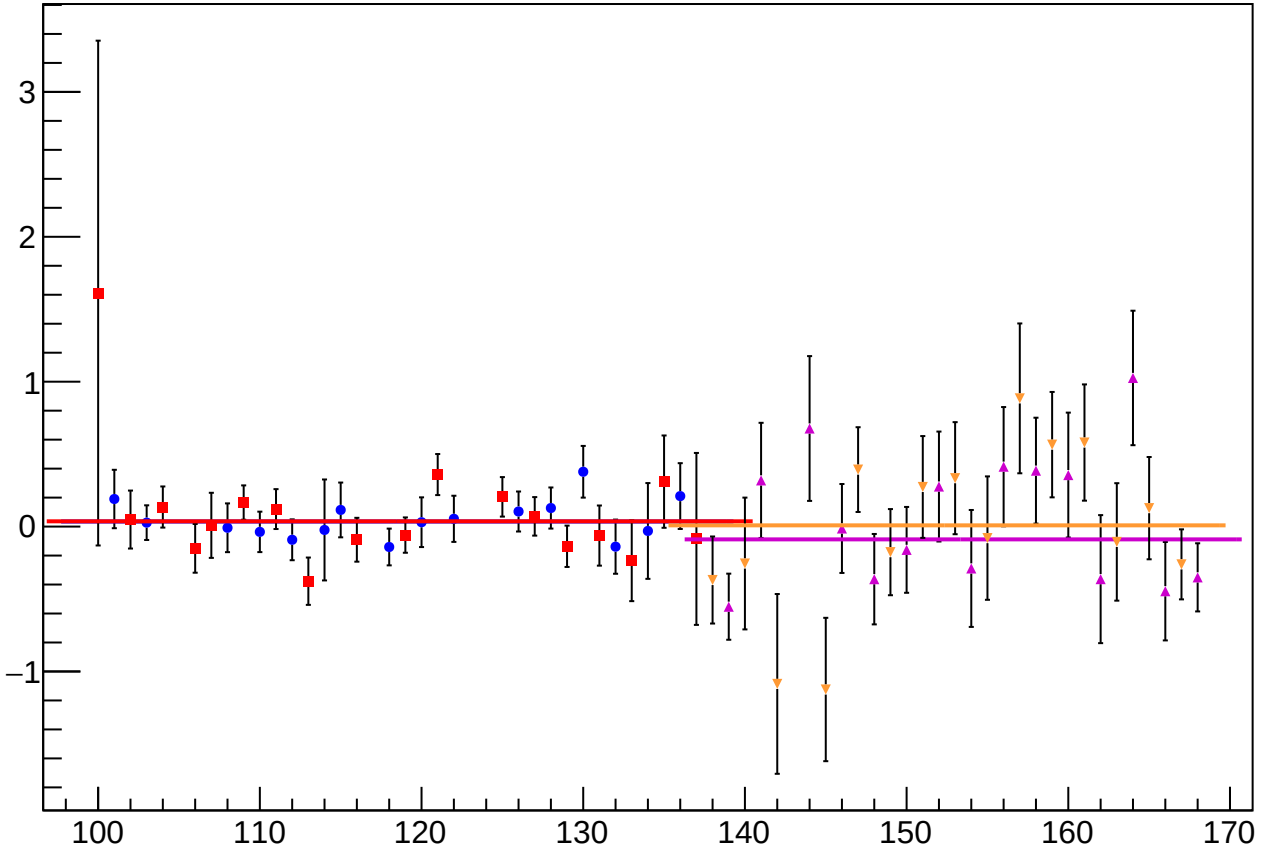
Left In: 0.003+/-0.000 χ^2/NDF:9575155.5/14

+ sign 0.004+/-0.000 χ^2/NDF: 15223410.8/30

All: 0.004+/-0.000 χ^2/NDF: 31455827.9/63

- sign 0.003+/-0.000 χ^2/NDF: 15950817.6/32

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.009+/-0.093 χ^2/NDF:22.4/14

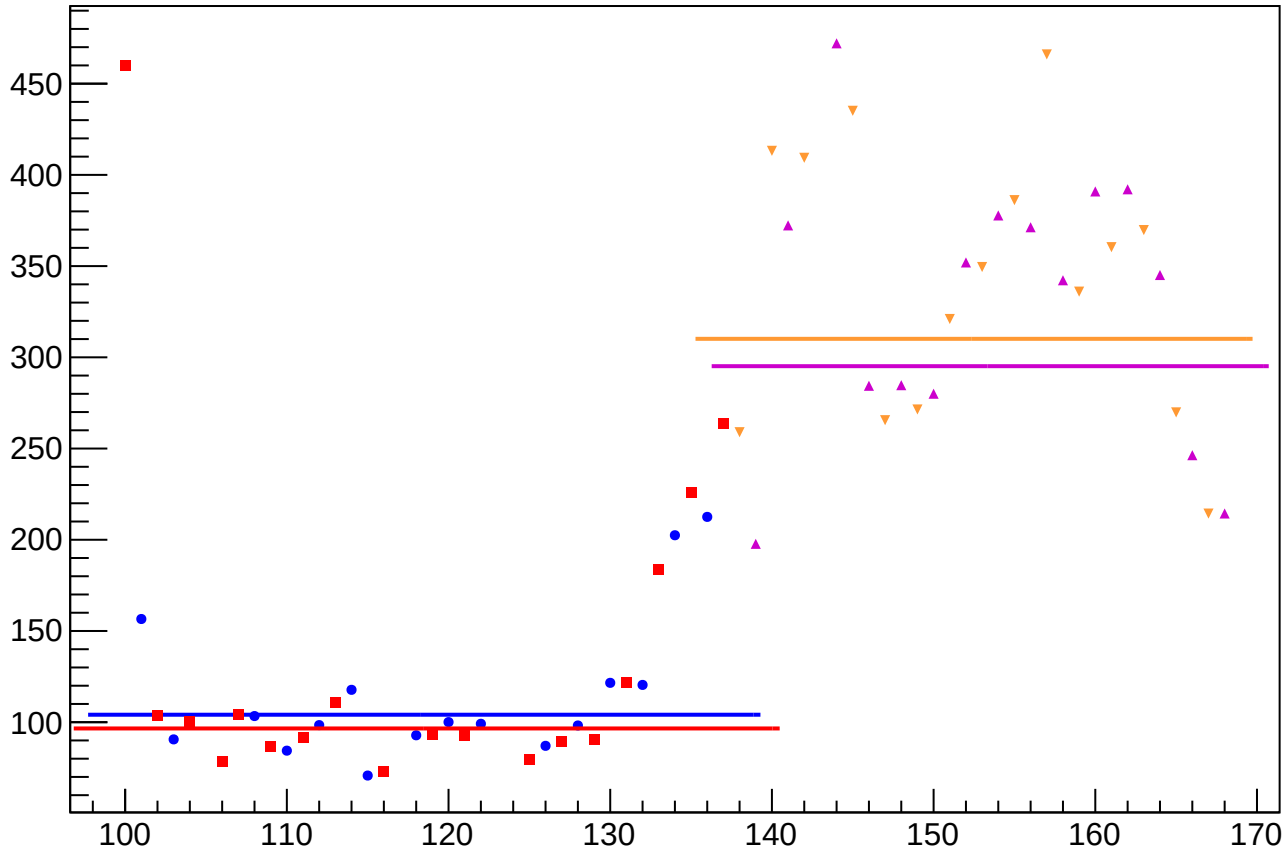
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.088+/-0.088 χ^2/NDF:22.3/14

+ sign 0.031+/-0.038 χ^2/NDF: 32.2/30

All: 0.023+/-0.026 χ^2/NDF: 78.4/63

- sign 0.016+/-0.036 χ^2/NDF: 46.1/32



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 310.140+/-0.066 χ^2/NDF:1113267.7/14

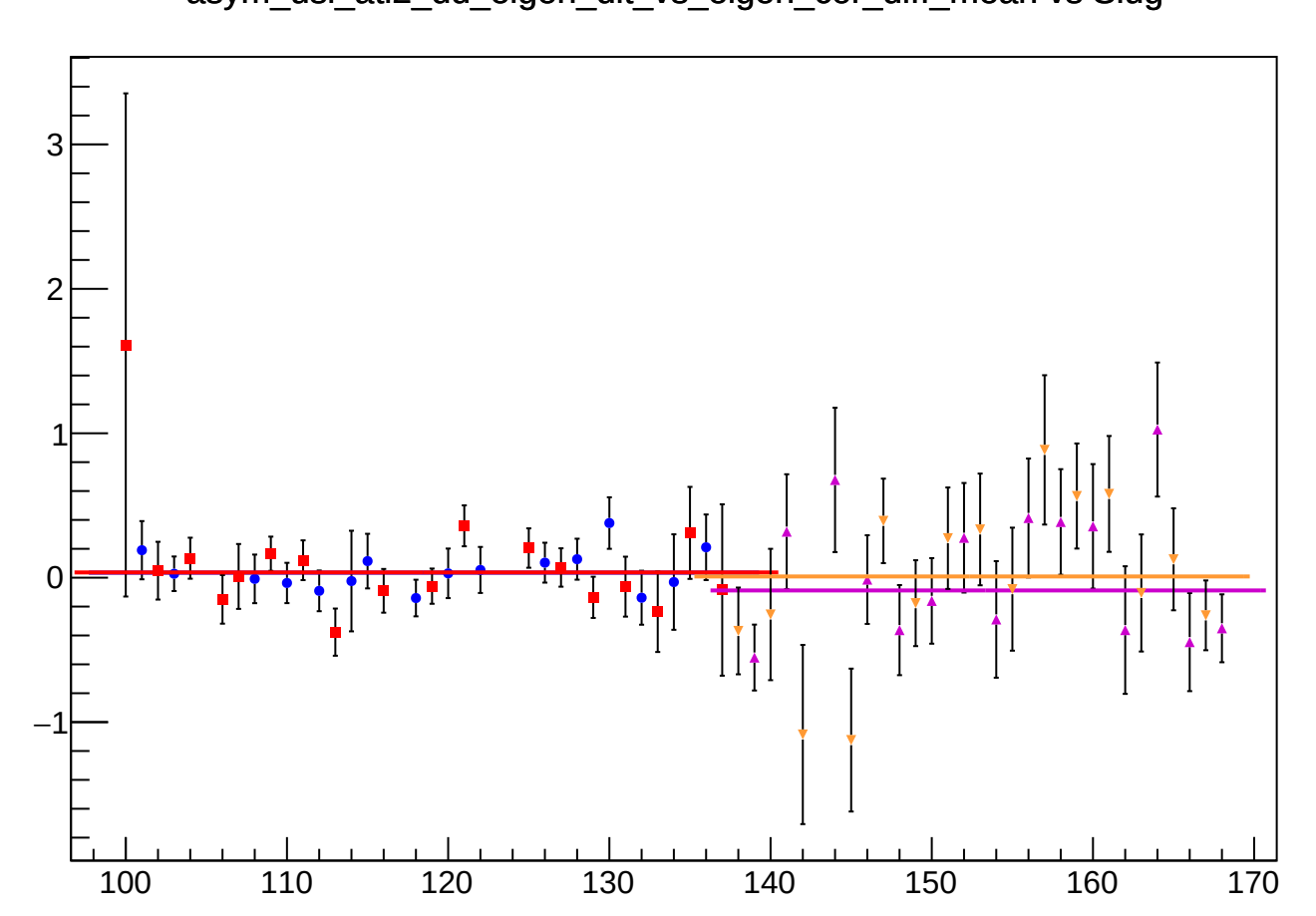
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 295.146+/-0.062 χ^2/NDF:1426418.4/14

+ sign 137.438+/-0.027 χ^2/NDF: 10263165.4/30

All: 133.124+/-0.018 χ^2/NDF: 21274630.1/63

- sign 129.260+/-0.025 χ^2/NDF: 10961470.5/32



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.009+/-0.093 χ^2/NDF:22.4/14

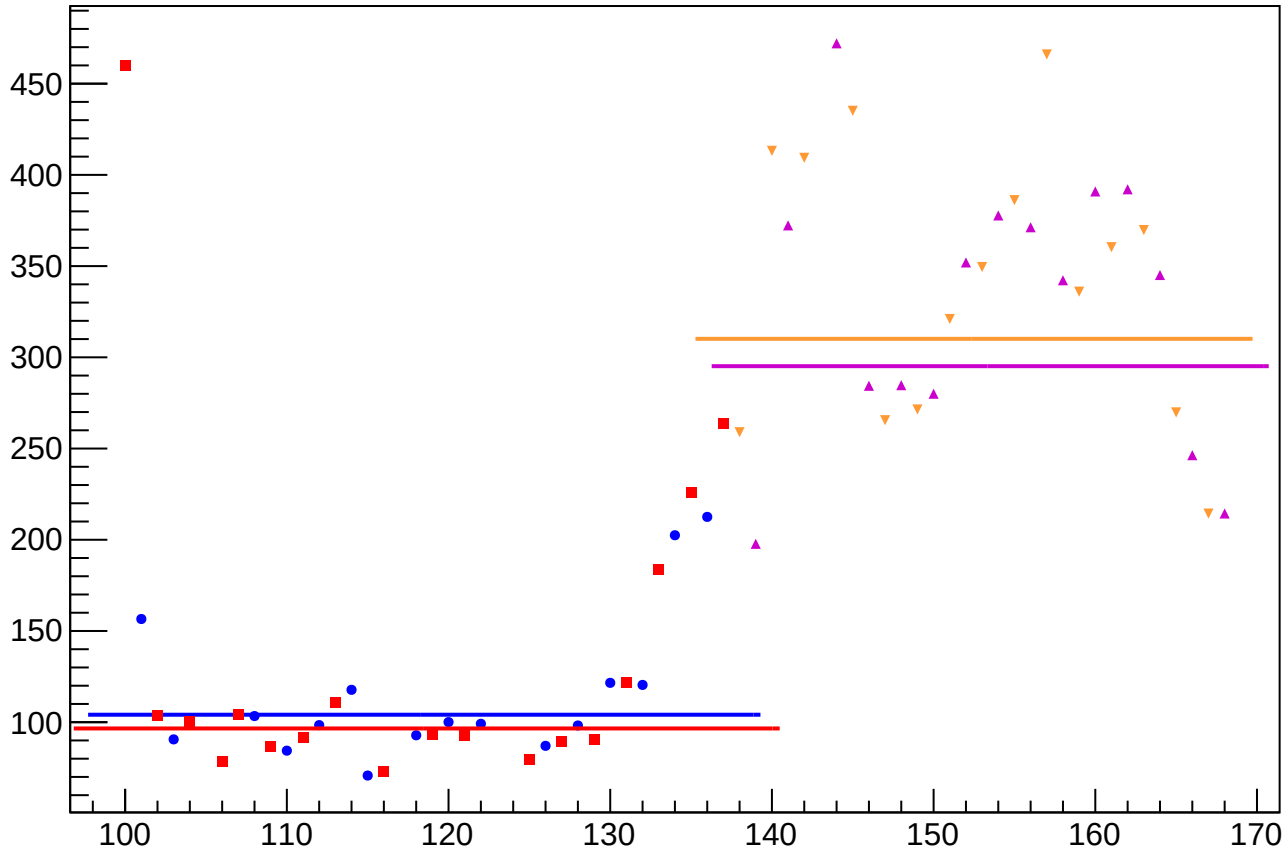
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.088+/-0.088 χ^2/NDF:22.3/14

+ sign 0.031+/-0.038 χ^2/NDF: 32.2/30

All: 0.023+/-0.026 χ^2/NDF: 78.4/63

- sign 0.016+/-0.036 χ^2/NDF: 46.1/32



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 310.140+/-0.066 χ^2/NDF:1113267.7/14

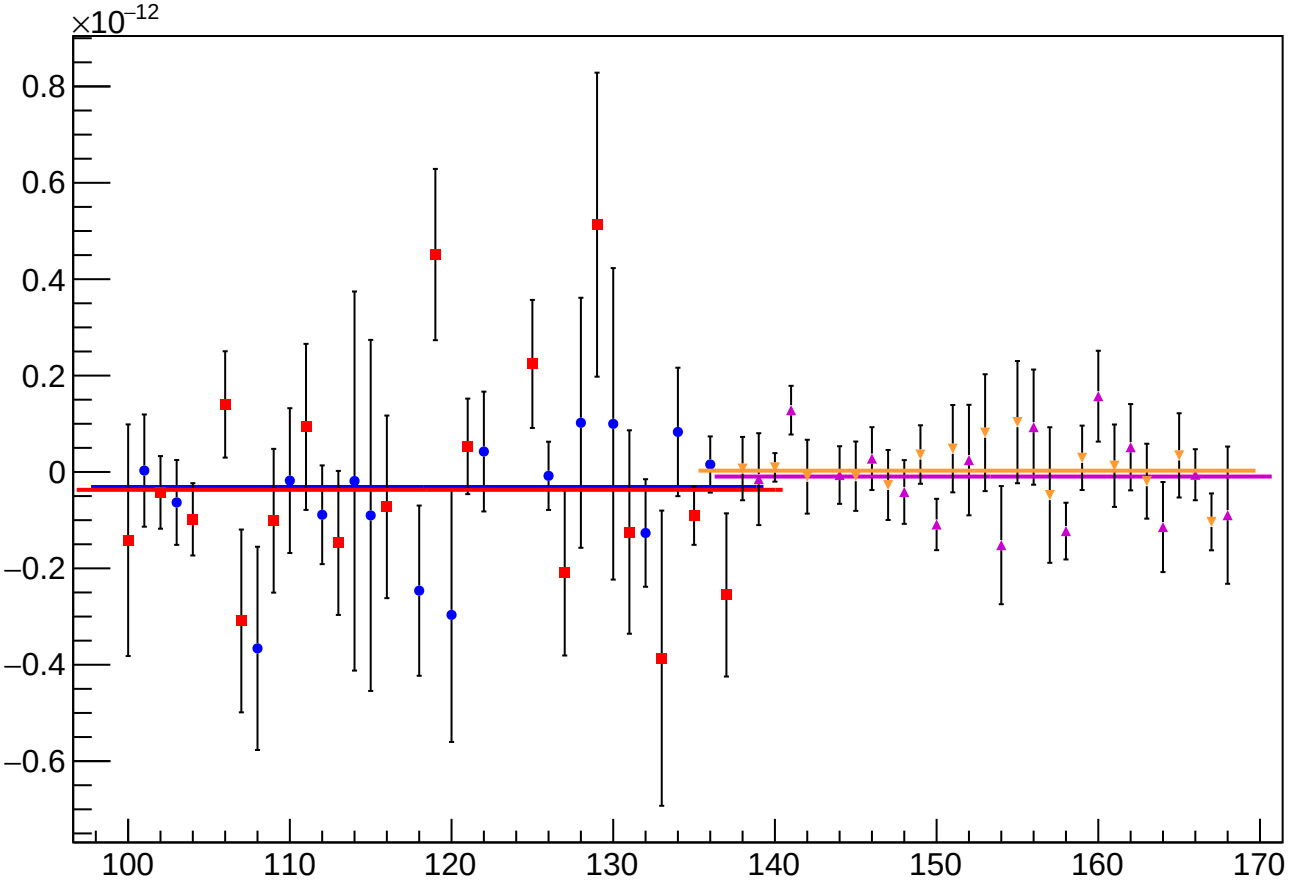
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 295.146+/-0.062 χ^2/NDF:1426418.4/14

+ sign 137.438+/-0.027 χ^2/NDF: 10263165.4/30

All: 133.124+/-0.018 χ^2/NDF: 21274630.1/63

- sign 129.260+/-0.025 χ^2/NDF: 10961470.5/32



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/14

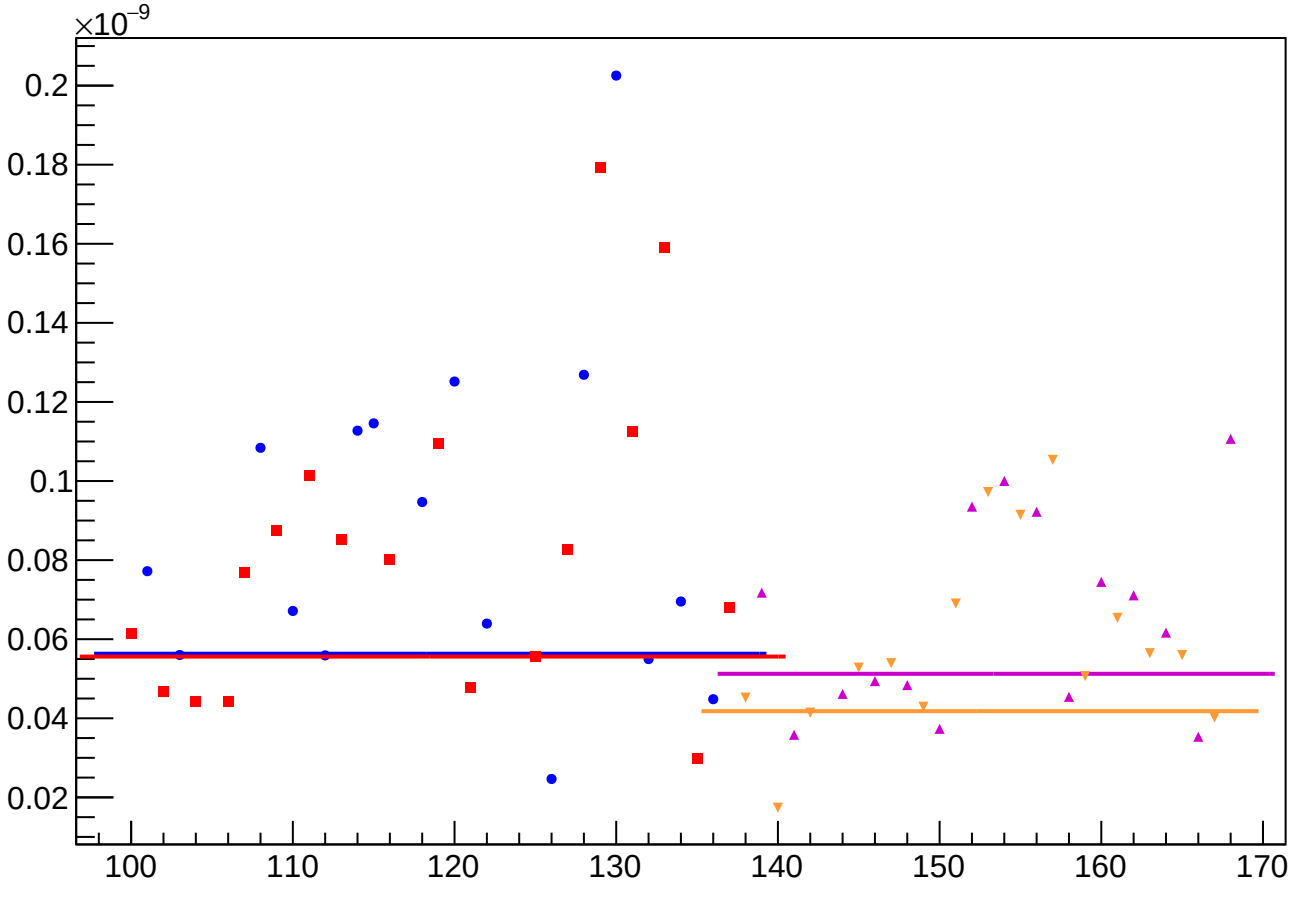
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:22.5/14

+ sign -0.000+/-0.000 χ^2/NDF: 15.2/30

All: -0.000+/-0.000 χ^2/NDF: 65.7/63

- sign -0.000+/-0.000 χ^2/NDF: 50.2/32



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3095536.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

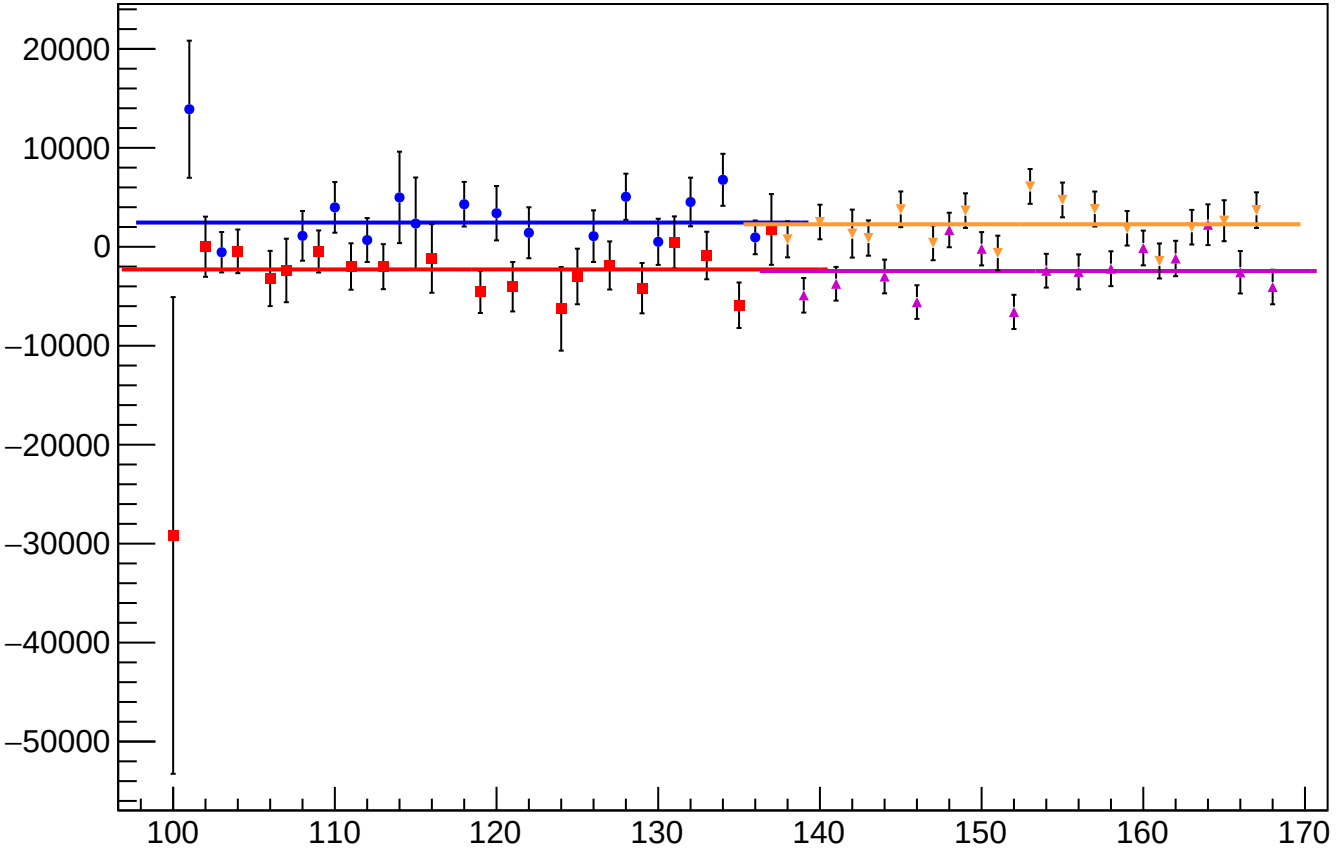
Left In: 0.000+/-0.000 χ^2/NDF:2052587.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 5040872.8/30

All: 0.000+/-0.000 χ^2/NDF: 9111655.2/63

- sign 0.000+/-0.000 χ^2/NDF: 3852334.6/32

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2276.930+/-452.512 χ^2/NDF:19.3/15

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

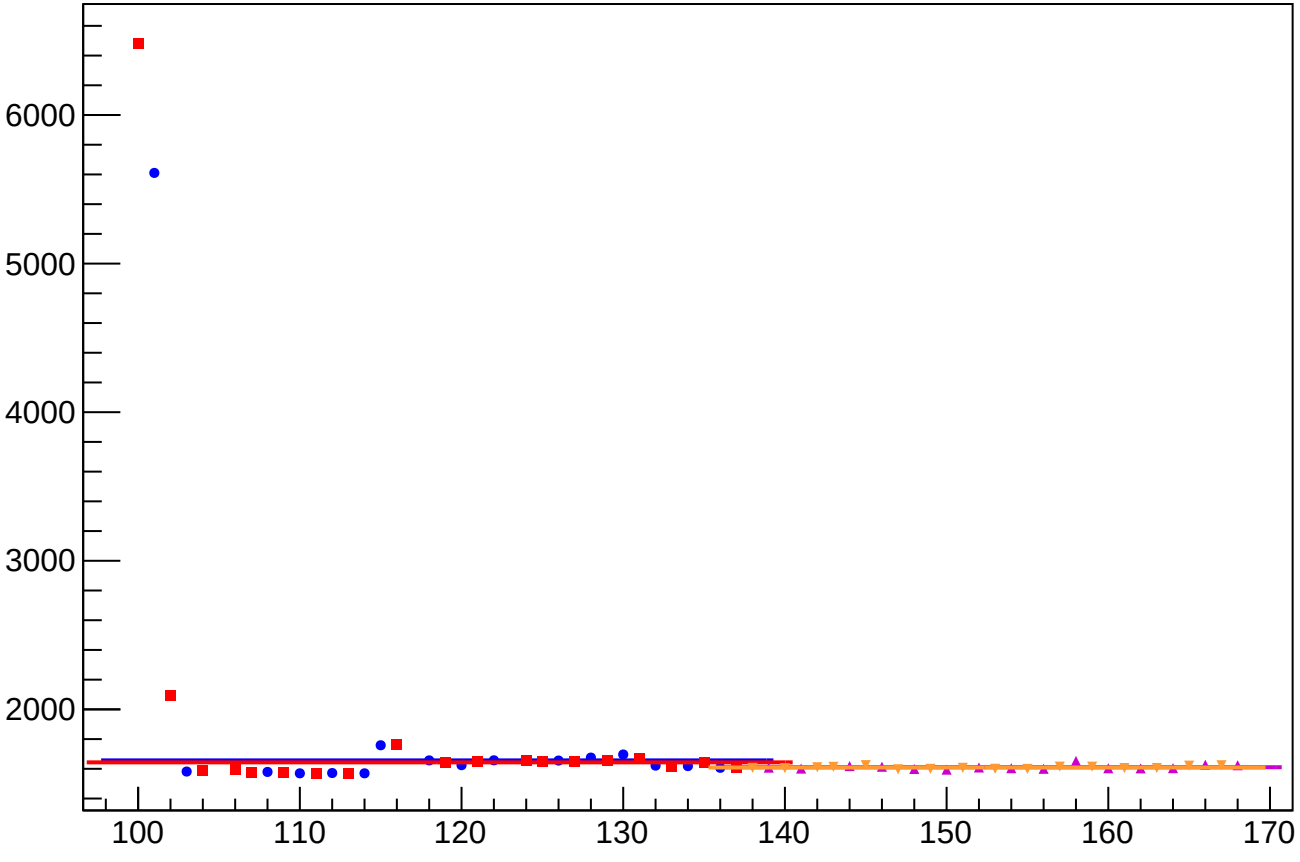
Left In: -2446.529+/-457.187 χ^2/NDF:27.5/14

+ sign 2335.787+/-367.576 χ^2/NDF: 33.2/31

All: -38.916+/-259.235 χ^2/NDF: 155.6/65

- sign -2388.894+/-365.658 χ^2/NDF: 39.4/33

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1608.770+/-0.320 χ^2/NDF:704.4/15

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

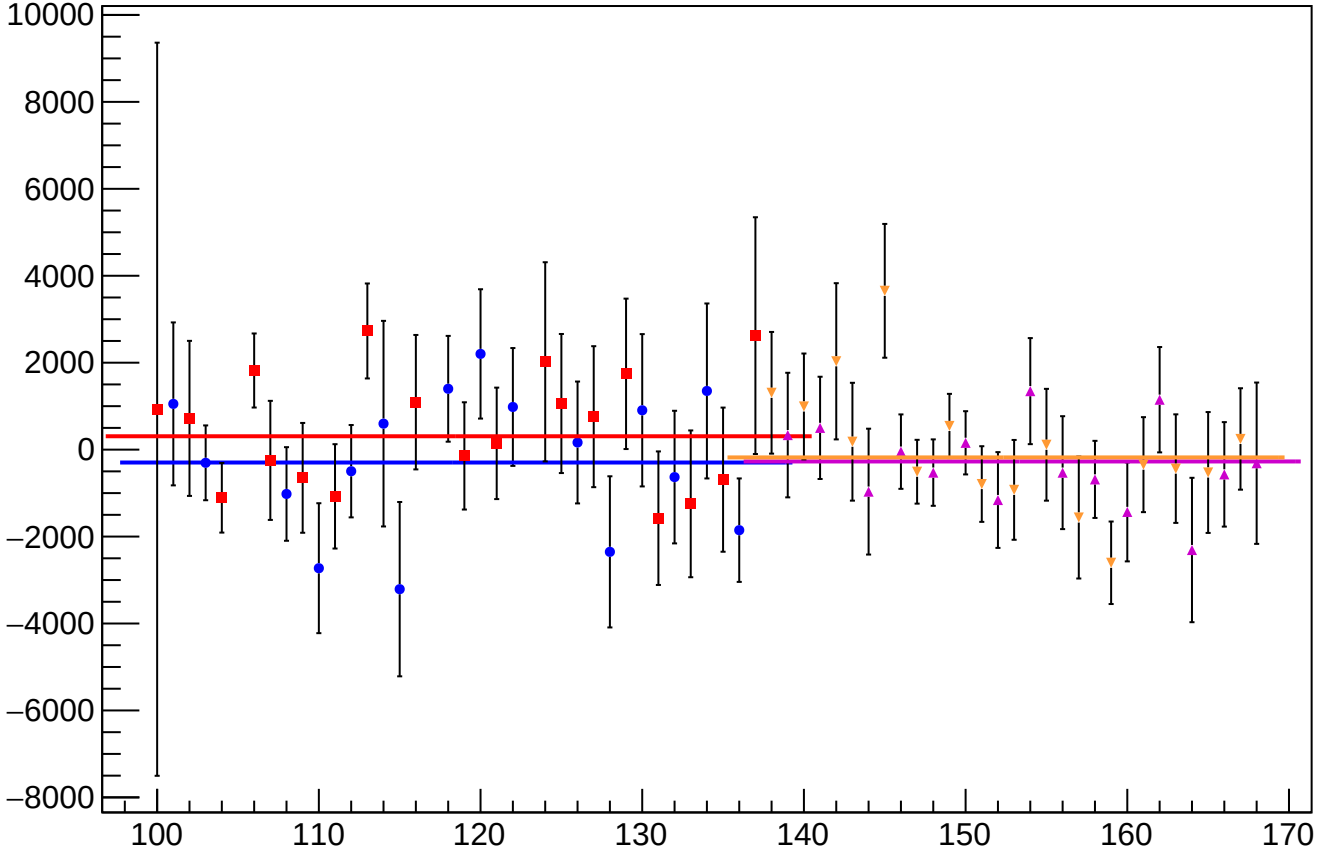
Left In: 1610.711+/-0.323 χ^2/NDF:1955.4/14

+ sign 1625.068+/-0.260 χ^2/NDF: 674557.9/31

All: 1623.778+/-0.183 χ^2/NDF: 817251.2/65

- sign 1622.500+/-0.259 χ^2/NDF: 142644.3/33

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -179.074+/-275.400 χ^2/NDF:19.7/15

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

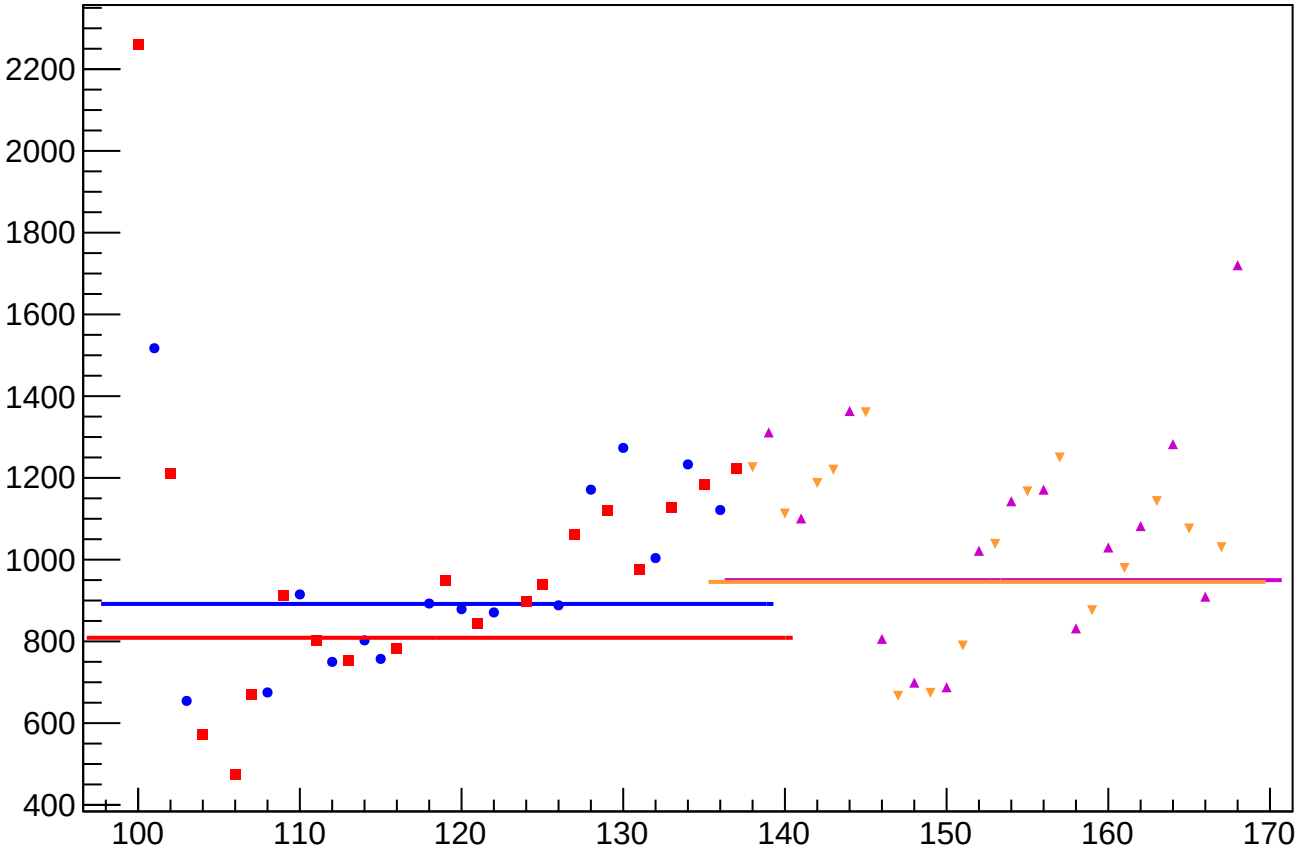
Left In: -272.154+/-279.368 χ^2/NDF:8.0/14

+ sign -225.012+/-214.852 χ^2/NDF: 35.8/31

All: -116.831+/-149.596 χ^2/NDF: 64.9/65

- sign -15.034+/-208.416 χ^2/NDF: 28.6/33

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 945.609+/-0.195 χ^2/NDF:1261924.1/15

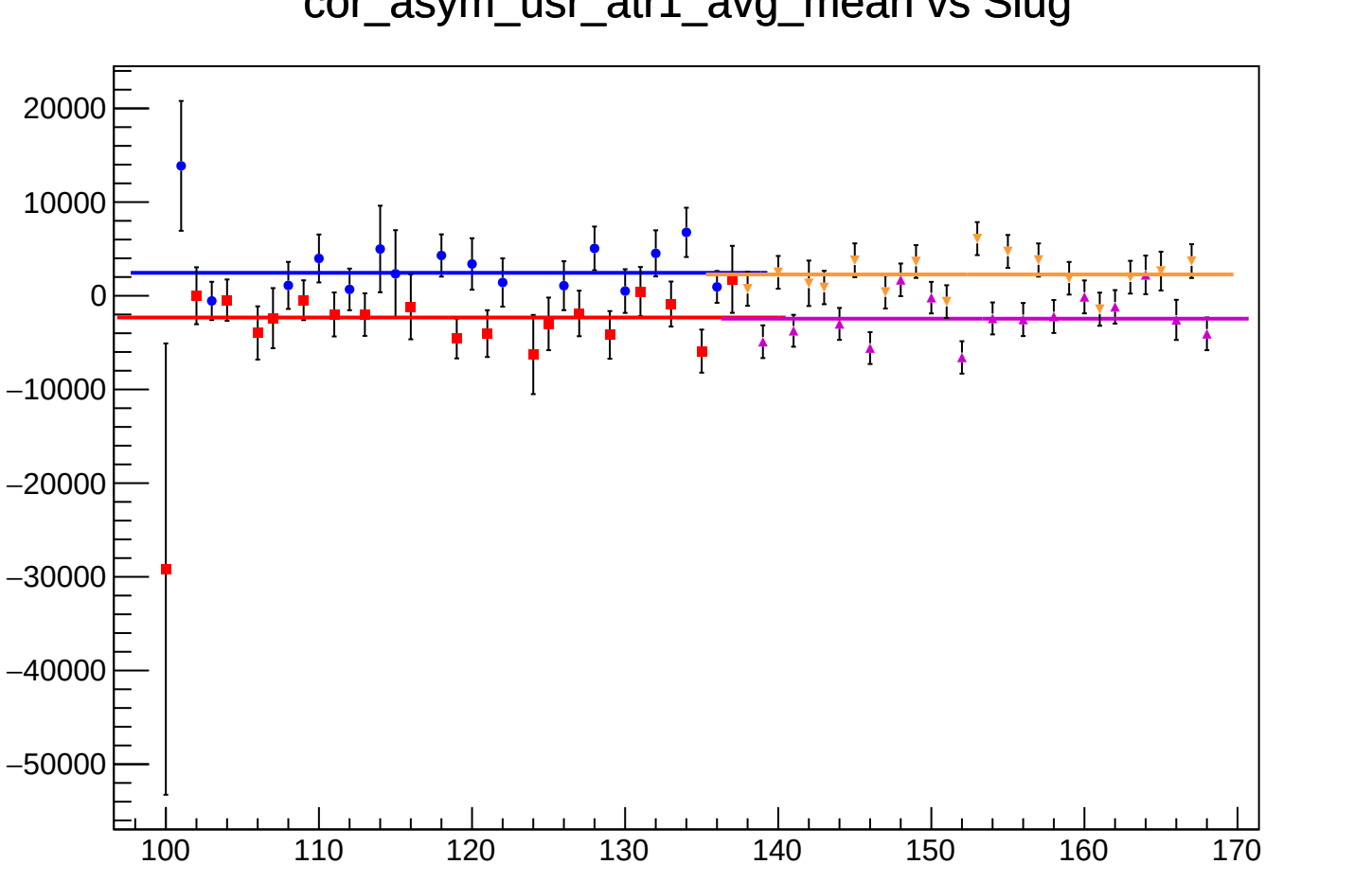
Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 949.884+/-0.198 χ^2/NDF:1468040.0/14

+ sign 924.484+/-0.152 χ^2/NDF: 2085888.2/31

All: 905.340+/-0.106 χ^2/NDF: 4894750.6/65

- sign 887.325+/-0.147 χ^2/NDF: 2778040.5/33



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2276.918+/-452.512 χ^2/NDF:19.3/15

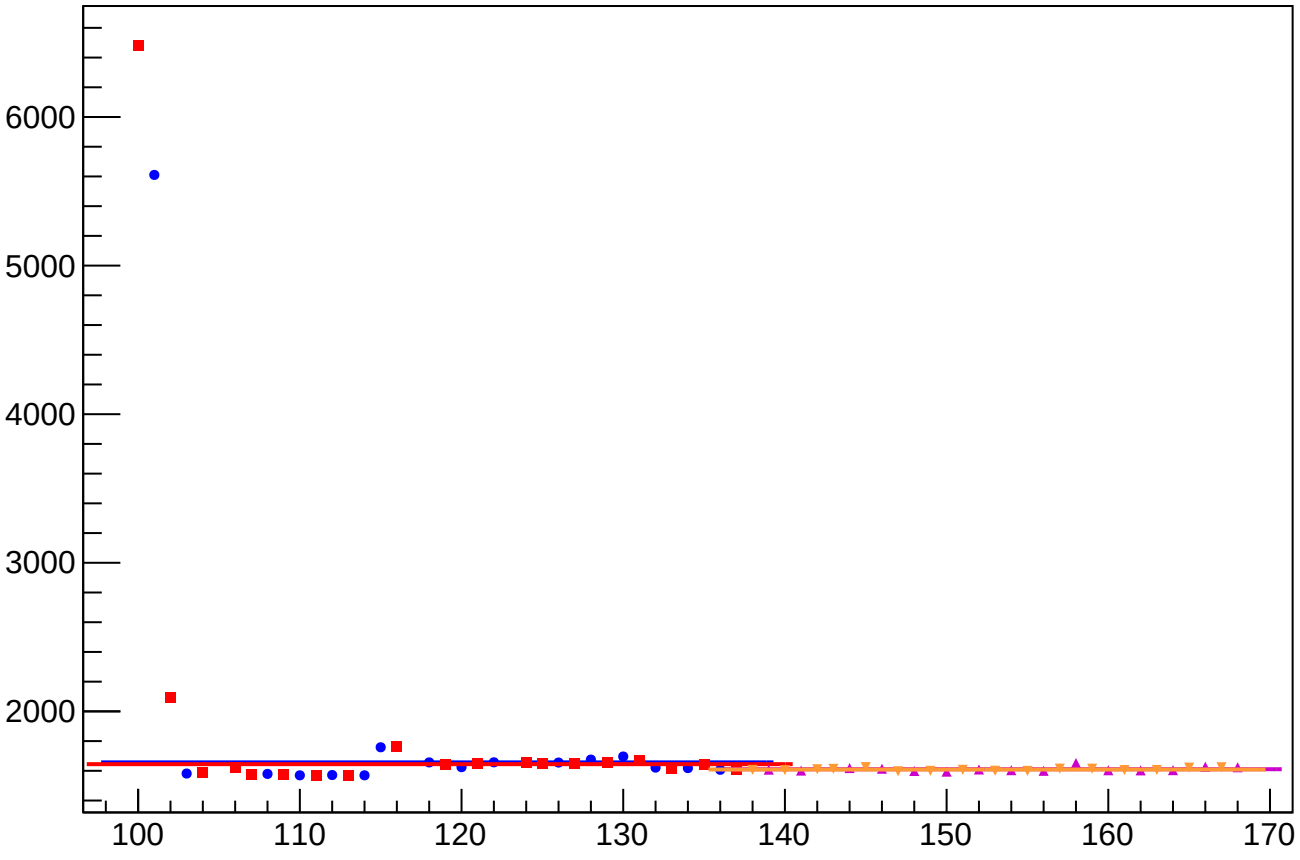
Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: -2446.564+/-457.187 χ^2/NDF:27.5/14

+ sign 2335.590+/-367.576 χ^2/NDF: 33.1/31

All: -44.507+/-259.273 χ^2/NDF: 156.2/65

- sign -2401.215+/-365.766 χ^2/NDF: 39.6/33



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1608.770+/-0.320 χ^2/NDF:704.4/15

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

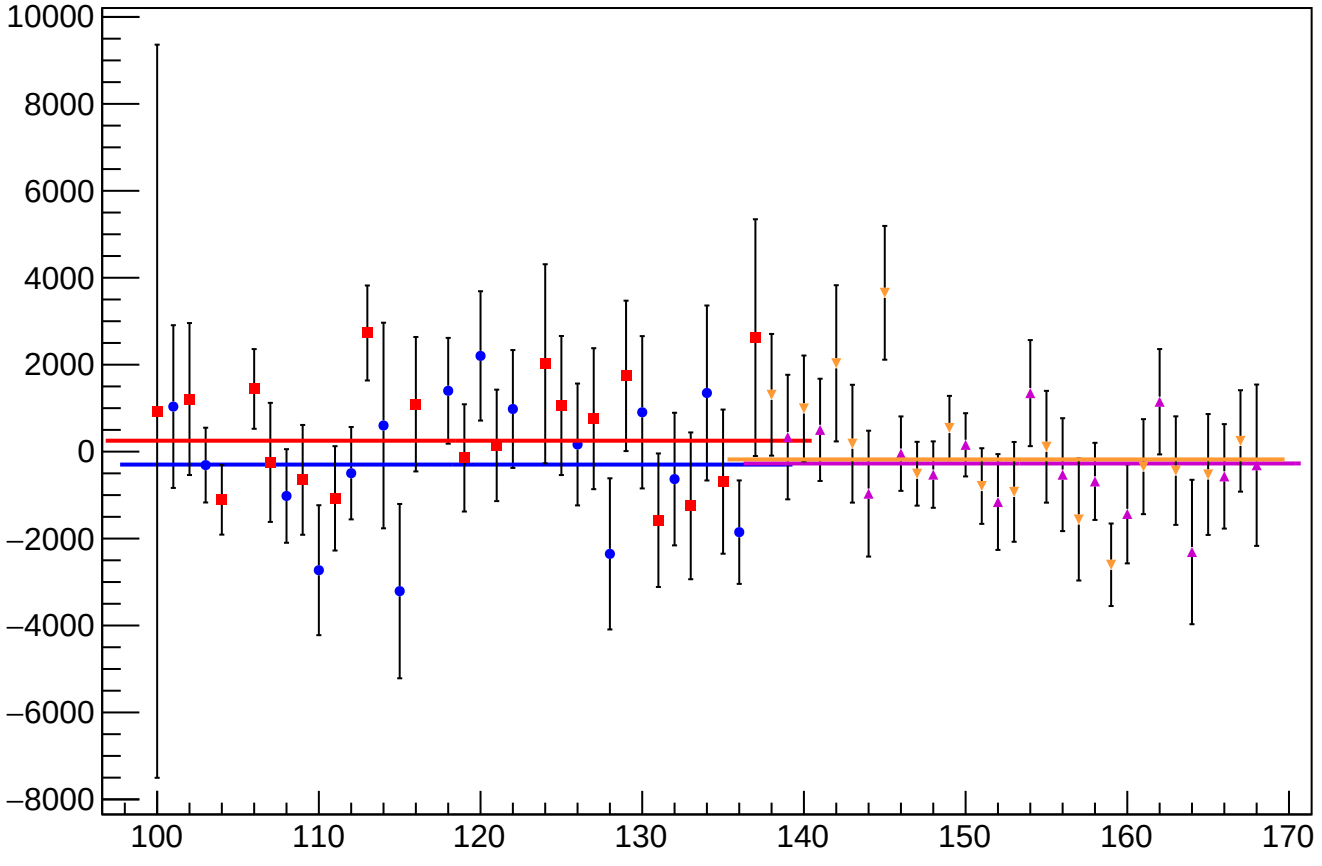
Left In: 1610.711+/-0.323 χ^2/NDF:1955.4/14

+ sign 1625.068+/-0.260 χ^2/NDF: 674557.4/31

All: 1624.007+/-0.183 χ^2/NDF: 817015.6/65

- sign 1622.957+/-0.259 χ^2/NDF: 142425.0/33

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -179.116+/-275.397 χ^2/NDF:19.7/15

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

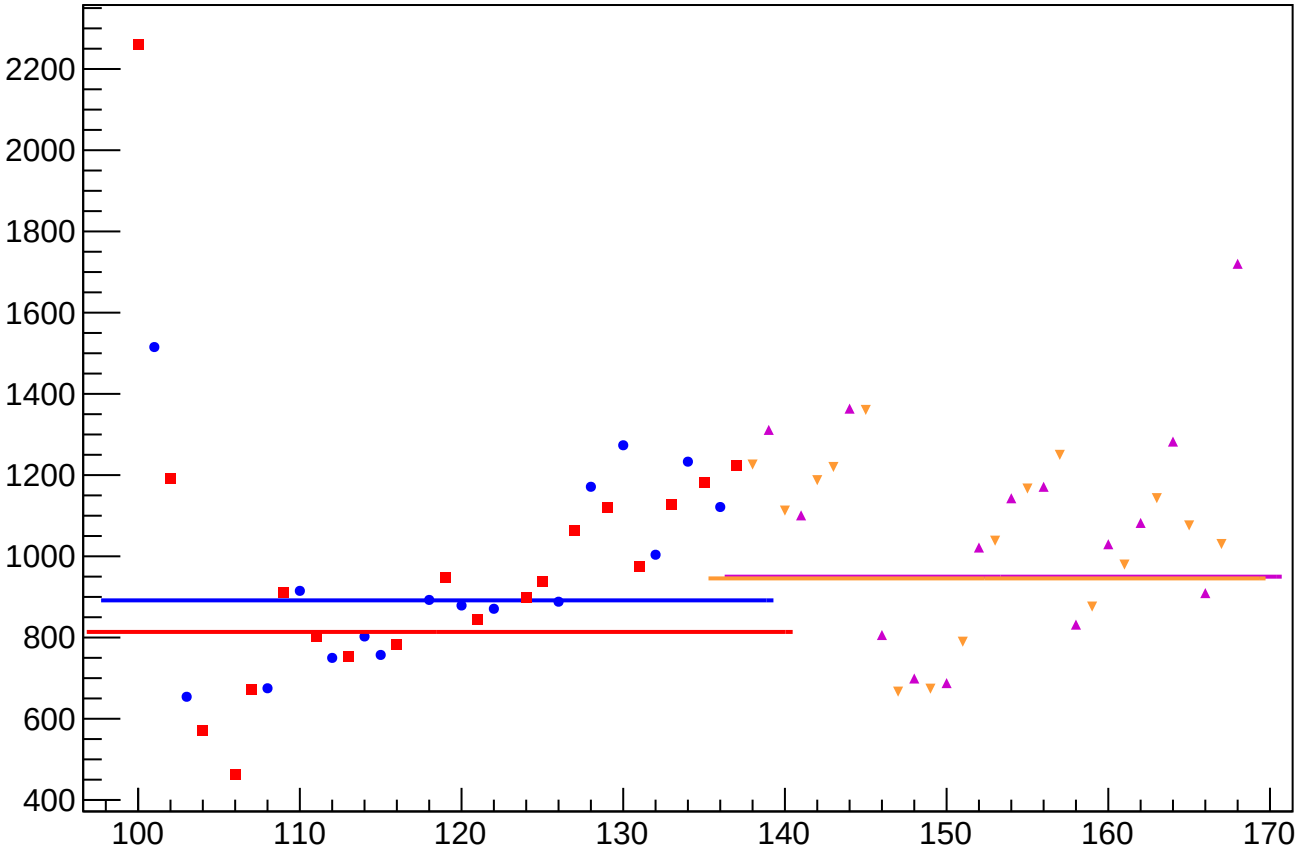
Left In: -272.190+/-279.369 χ^2/NDF:8.0/14

+ sign -225.570+/-214.840 χ^2/NDF: 35.7/31

All: -131.540+/-149.892 χ^2/NDF: 62.9/65

- sign -42.358+/-209.229 χ^2/NDF: 26.8/33

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 945.598+/-0.195 χ^2/NDF:1262006.2/15

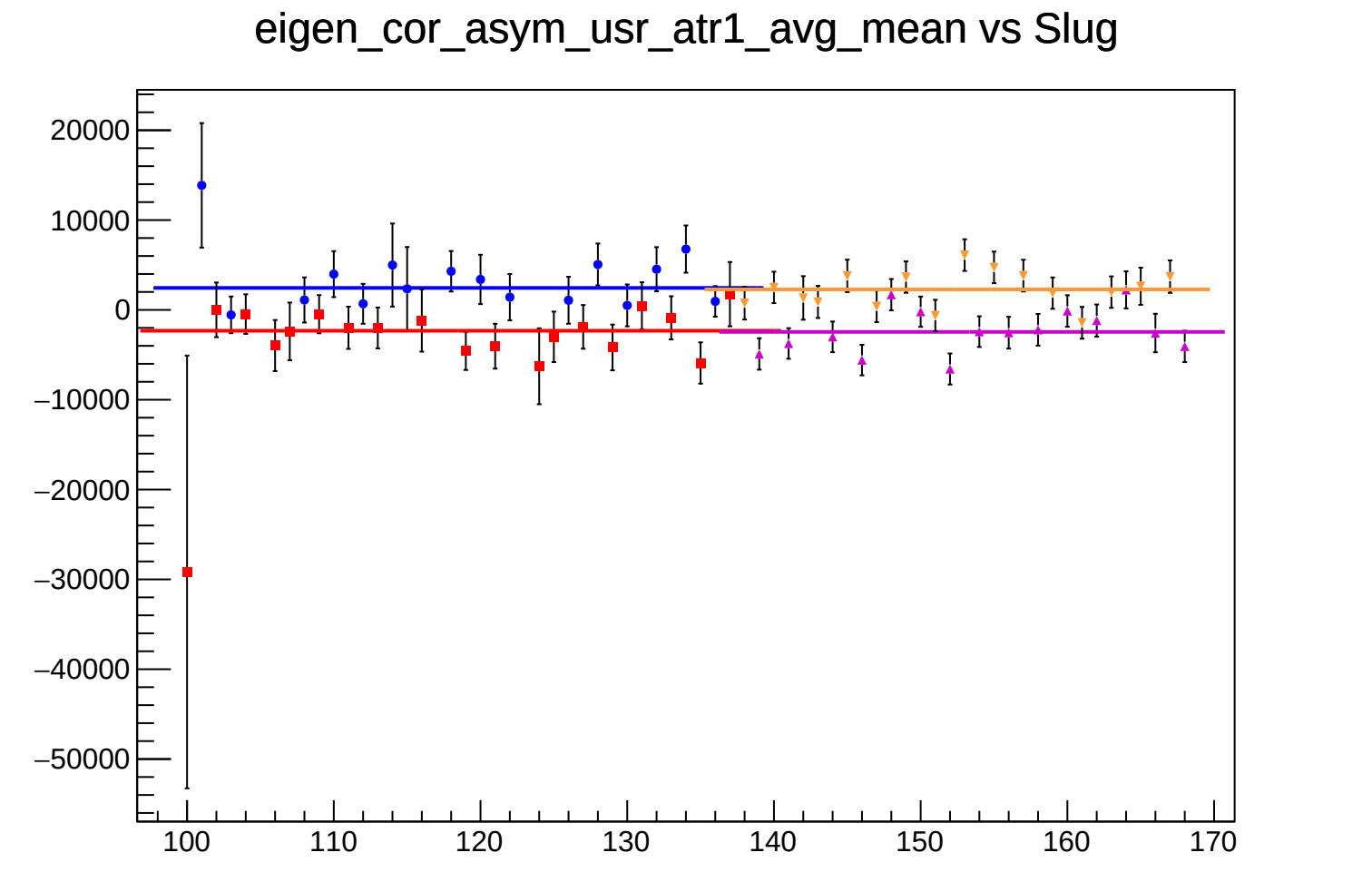
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 949.889+/-0.198 χ^2/NDF:1467988.4/14

+ sign 924.435+/-0.152 χ^2/NDF: 2085834.8/31

All: 906.832+/-0.106 χ^2/NDF: 4841346.0/65

- sign 890.136+/-0.148 χ^2/NDF: 2729348.1/33



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2276.918+/-452.512 χ^2/NDF:19.3/15

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

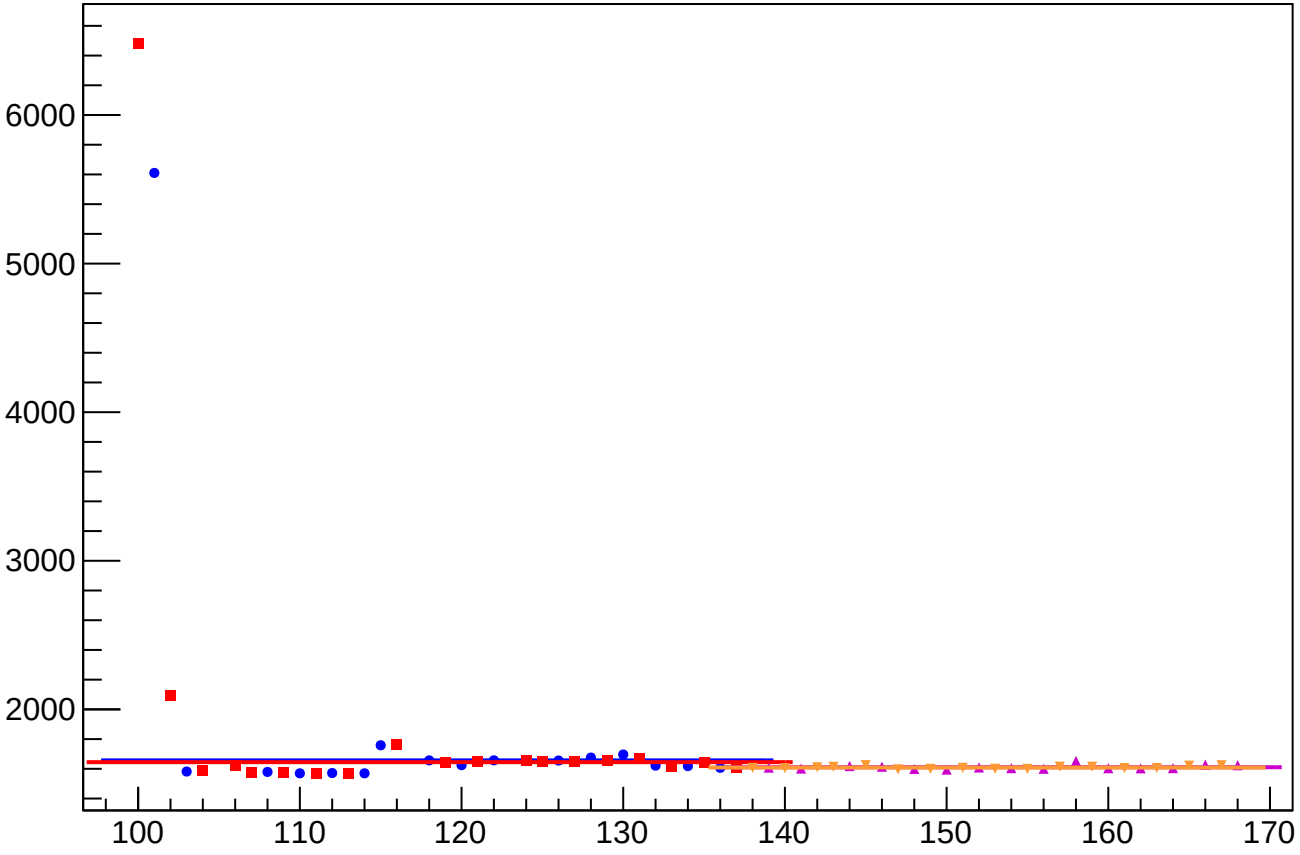
Left In: -2446.564+/-457.187 χ^2/NDF:27.5/14

+ sign 2335.590+/-367.576 χ^2/NDF: 33.1/31

All: -44.507+/-259.273 χ^2/NDF: 156.2/65

- sign -2401.215+/-365.766 χ^2/NDF: 39.6/33

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1608.770+/-0.320 χ^2/NDF:704.4/15

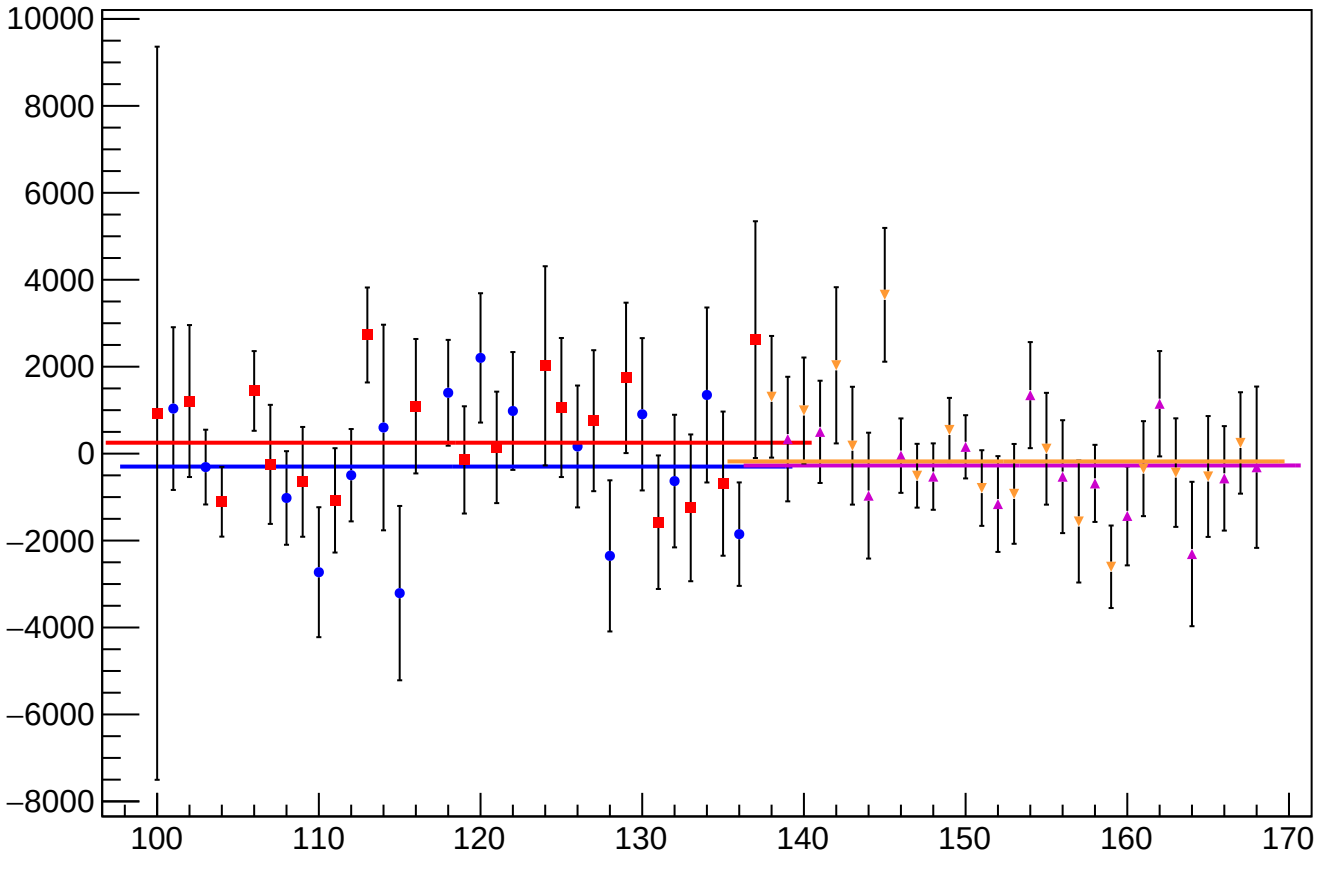
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1610.711+/-0.323 χ^2/NDF:1955.4/14

\+ sign 1625.068+/-0.260 χ^2/NDF: 674557.4/31

All: 1624.007+/-0.183 χ^2/NDF: 817015.6/65

\- sign 1622.957+/-0.259 χ^2/NDF: 142425.0/33



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -179.116+/-275.397 χ^2/NDF:19.7/15

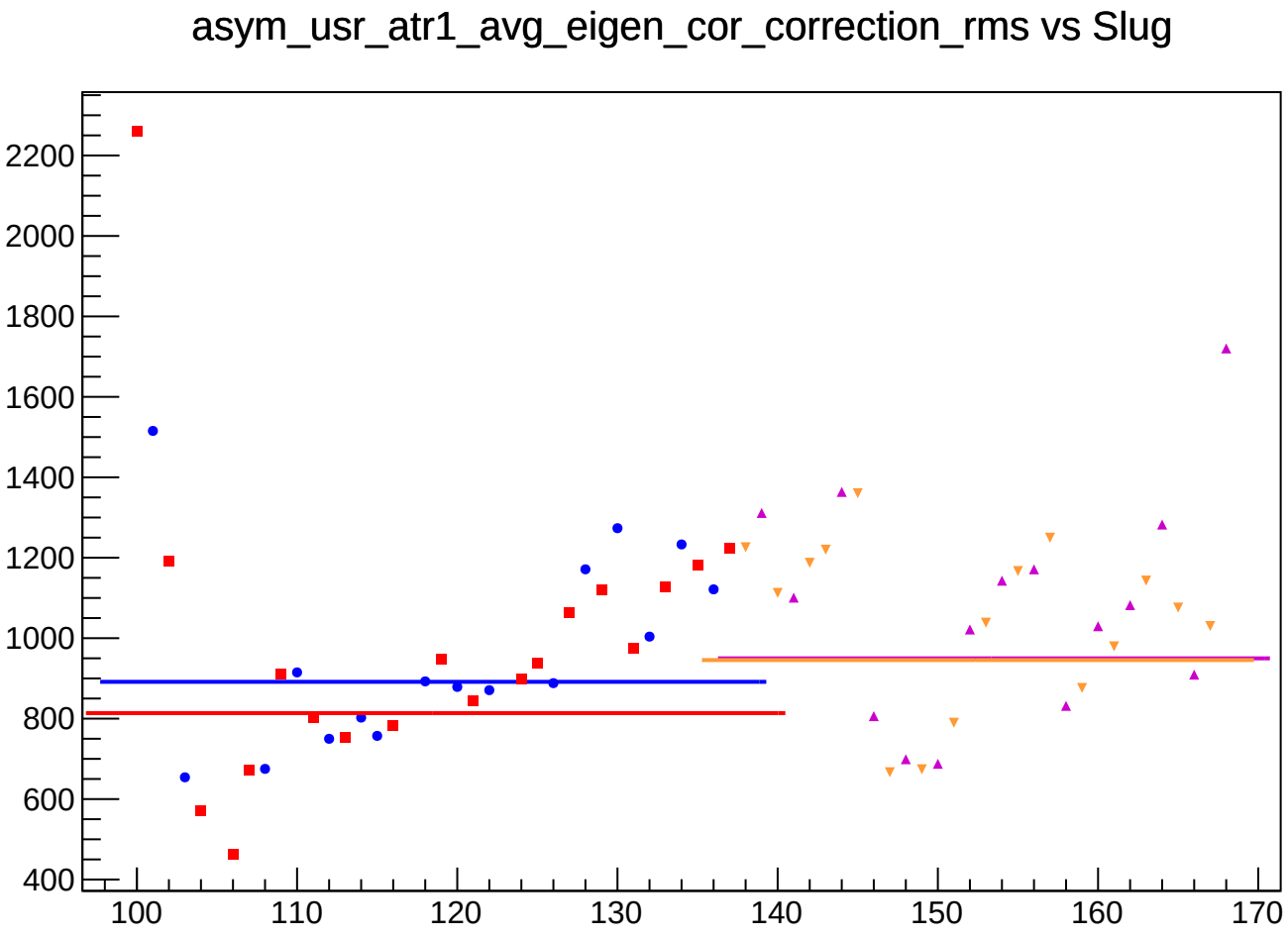
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -272.190+/-279.369 χ^2/NDF:8.0/14

+ sign -225.570+/-214.840 χ^2/NDF: 35.7/31

All: -131.540+/-149.892 χ^2/NDF: 62.9/65

- sign -42.358+/-209.229 χ^2/NDF: 26.8/33



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 945.598+/-0.195 χ^2/NDF:1262006.2/15

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

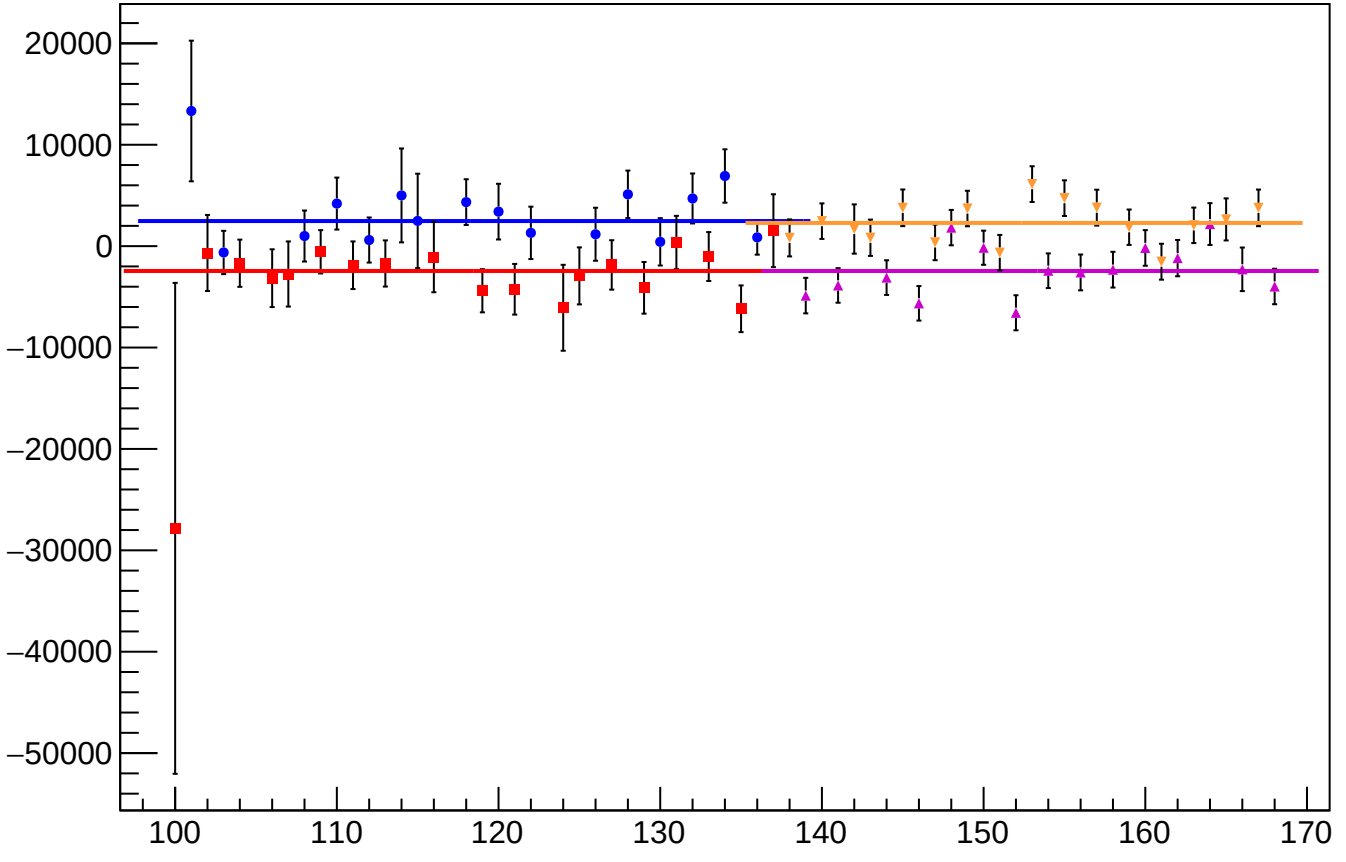
Left In: 949.889+/-0.198 χ^2/NDF:1467988.4/14

+ sign 924.435+/-0.152 χ^2/NDF: 2085834.8/31

All: 906.832+/-0.106 χ^2/NDF: 4841346.0/65

- sign 890.136+/-0.148 χ^2/NDF: 2729348.1/33

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2289.412+/-453.219 χ^2/NDF:19.6/15

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

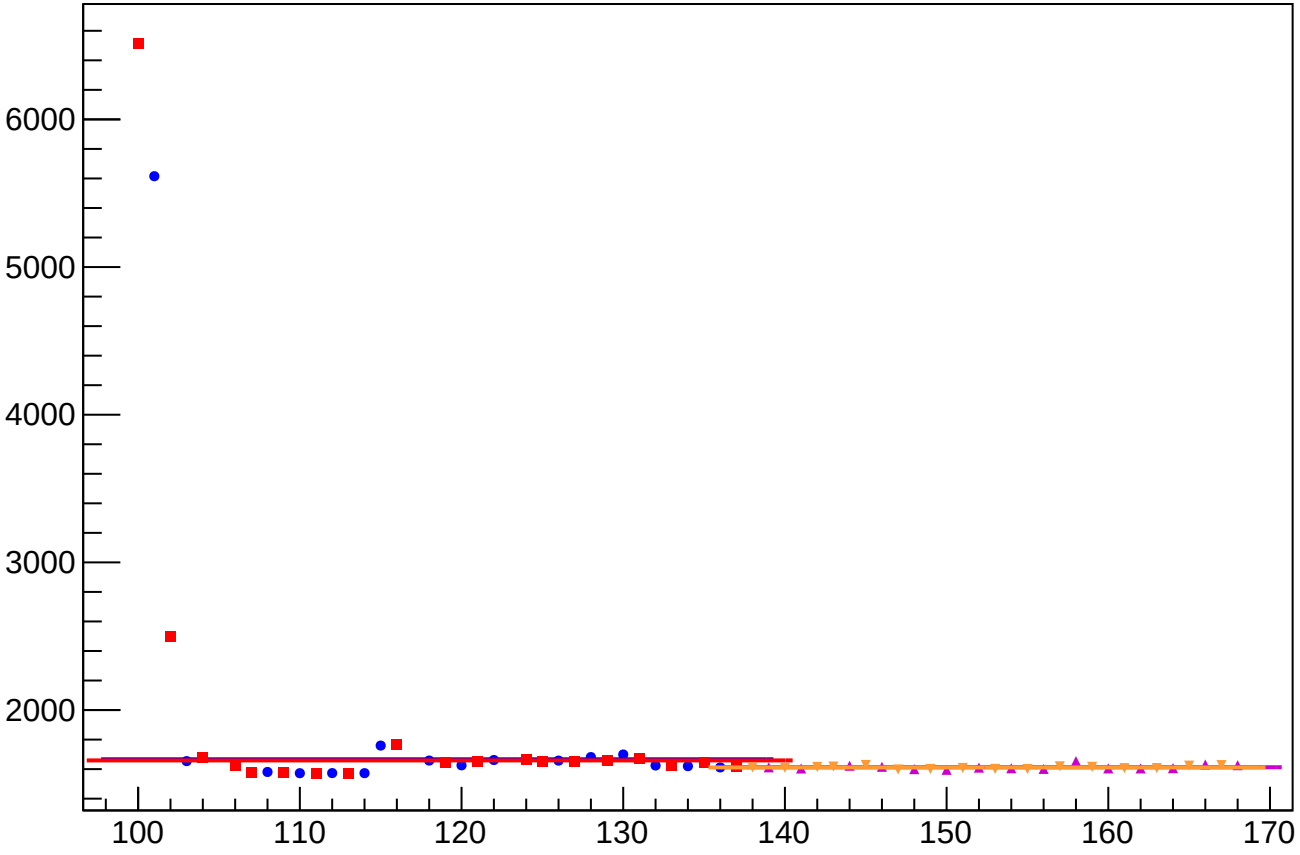
Left In: -2451.149+/-457.795 χ^2/NDF:27.8/14

+ sign 2352.272+/-368.673 χ^2/NDF: 33.8/31

All: -55.020+/-260.368 χ^2/NDF: 157.3/65

- sign -2450.406+/-367.761 χ^2/NDF: 38.4/33

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1611.272+/-0.320 χ^2/NDF:833.0/15

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

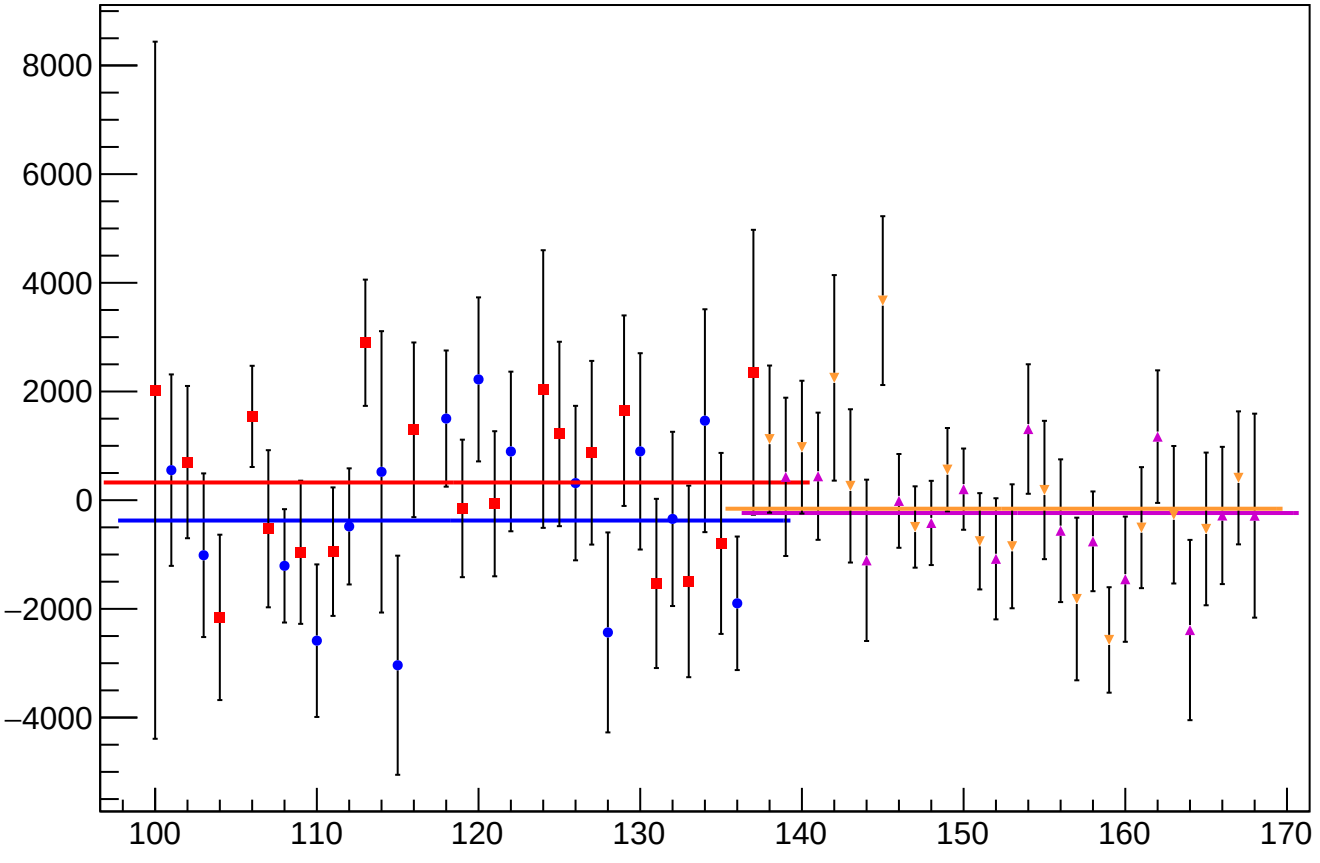
Left In: 1612.837+/-0.324 χ^2/NDF:2037.1/14

+ sign 1629.921+/-0.261 χ^2/NDF: 673757.6/31

All: 1629.565+/-0.184 χ^2/NDF: 876236.1/65

- sign 1629.211+/-0.260 χ^2/NDF: 202474.8/33

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -156.976+/-280.920 χ^2/NDF:19.3/15

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

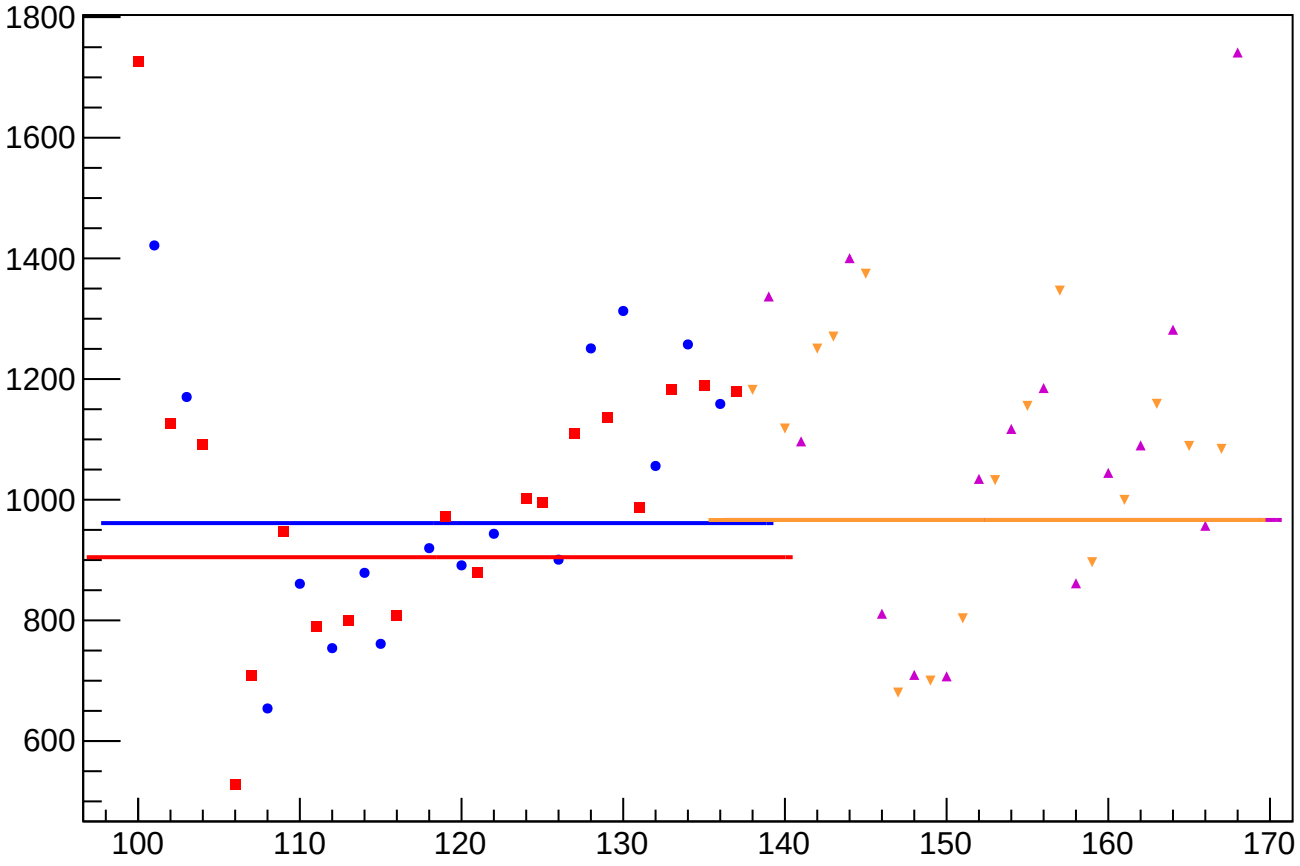
Left In: -236.302+/-283.649 χ^2/NDF:8.1/14

+ sign -237.113+/-223.282 χ^2/NDF: 35.3/31

All: -118.865+/-155.972 χ^2/NDF: 63.0/65

- sign -6.177+/-217.969 χ^2/NDF: 27.1/33

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 966.401+/-0.199 χ^2/NDF:1230876.7/15

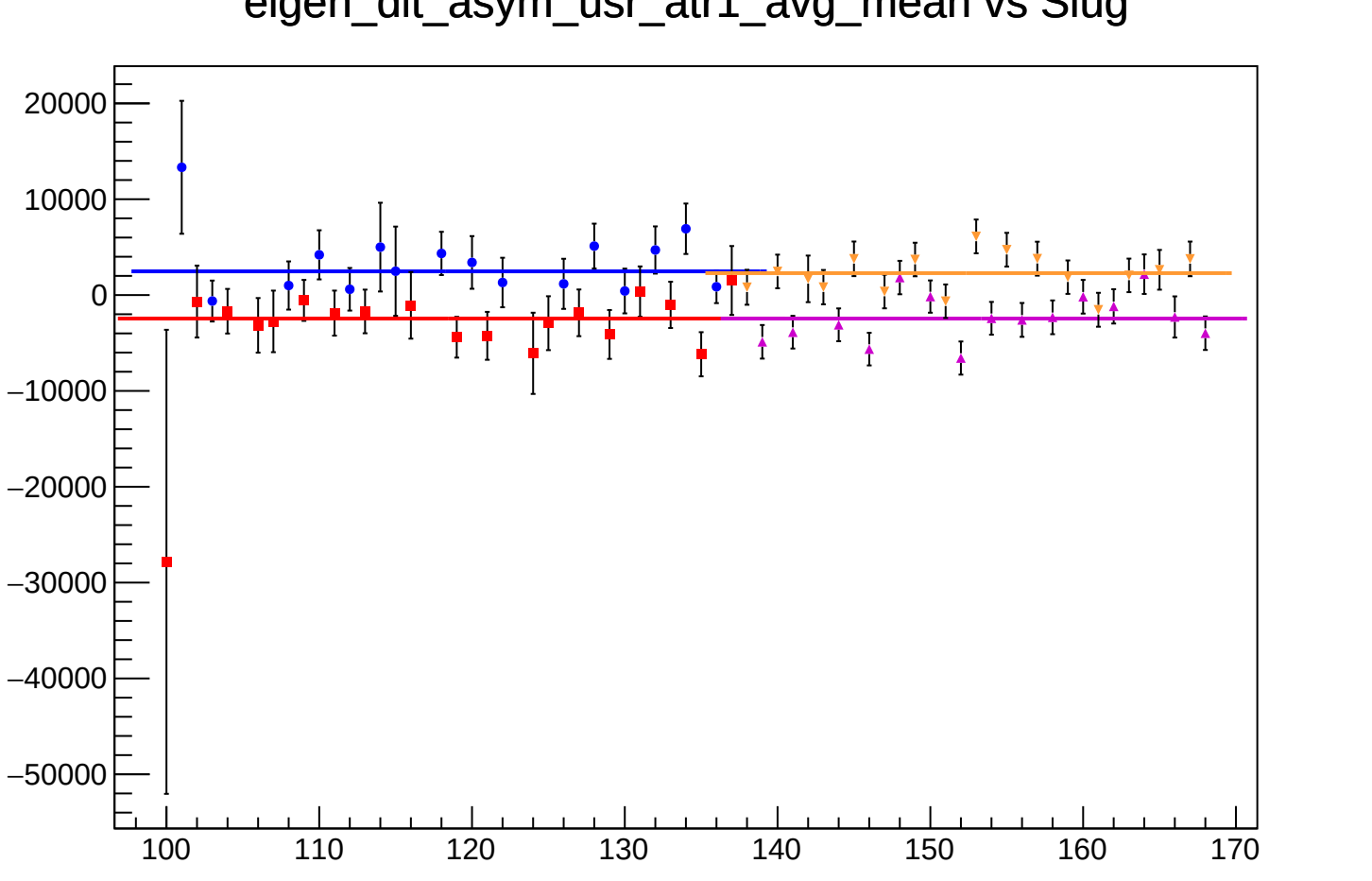
Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 966.484+/-0.201 χ^2/NDF:1414090.8/14

\+ sign 964.502+/-0.158 χ^2/NDF: 1923000.5/31

All: 952.570+/-0.110 χ^2/NDF: 4123541.8/65

\- sign 941.199+/-0.154 χ^2/NDF: 2189387.1/33



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2289.411+/-453.219 χ^2/NDF:19.6/15

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

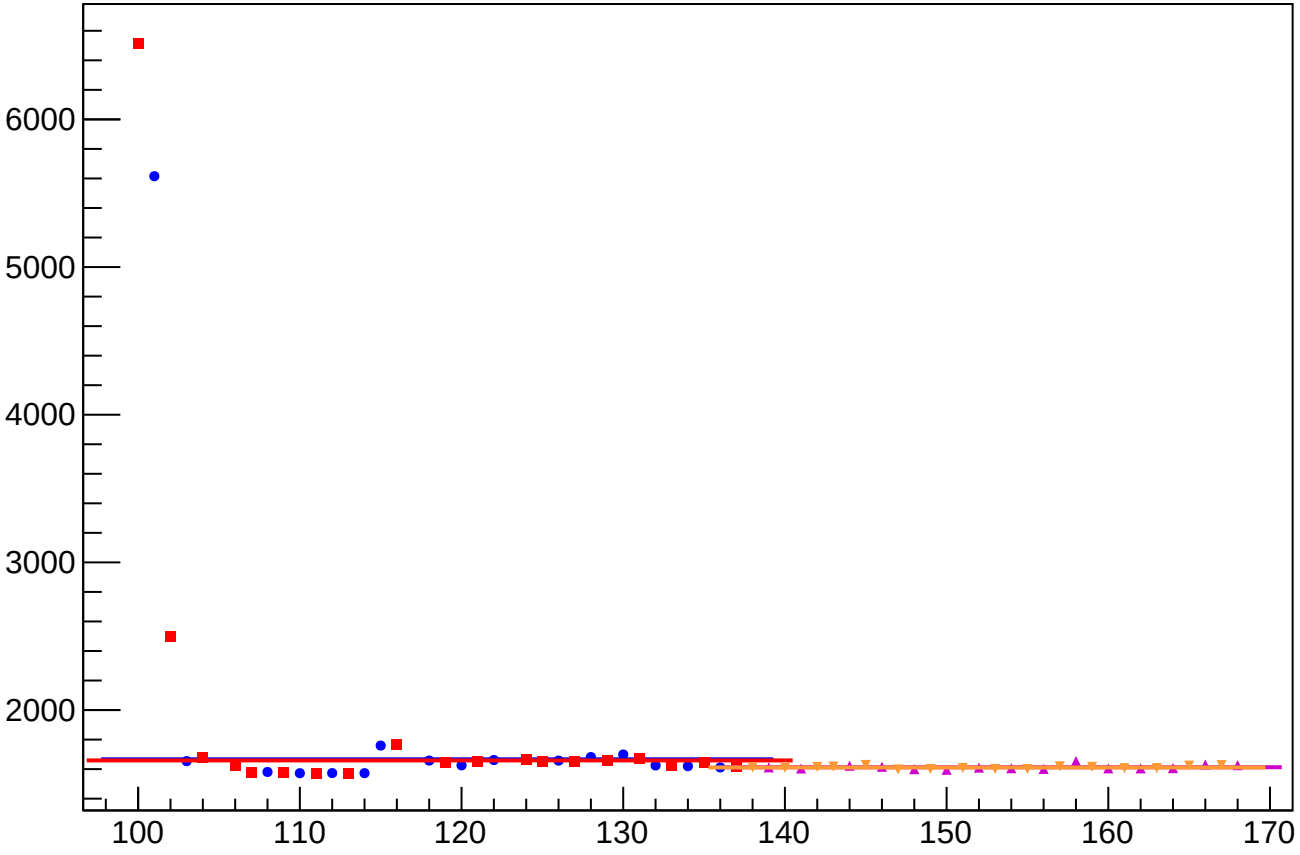
Left In: -2451.150+/-457.795 χ^2/NDF:27.8/14

+ sign 2352.271+/-368.673 χ^2/NDF: 33.8/31

All: -55.021+/-260.368 χ^2/NDF: 157.3/65

- sign -2450.406+/-367.761 χ^2/NDF: 38.4/33

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1611.272+/-0.320 χ^2/NDF:833.0/15

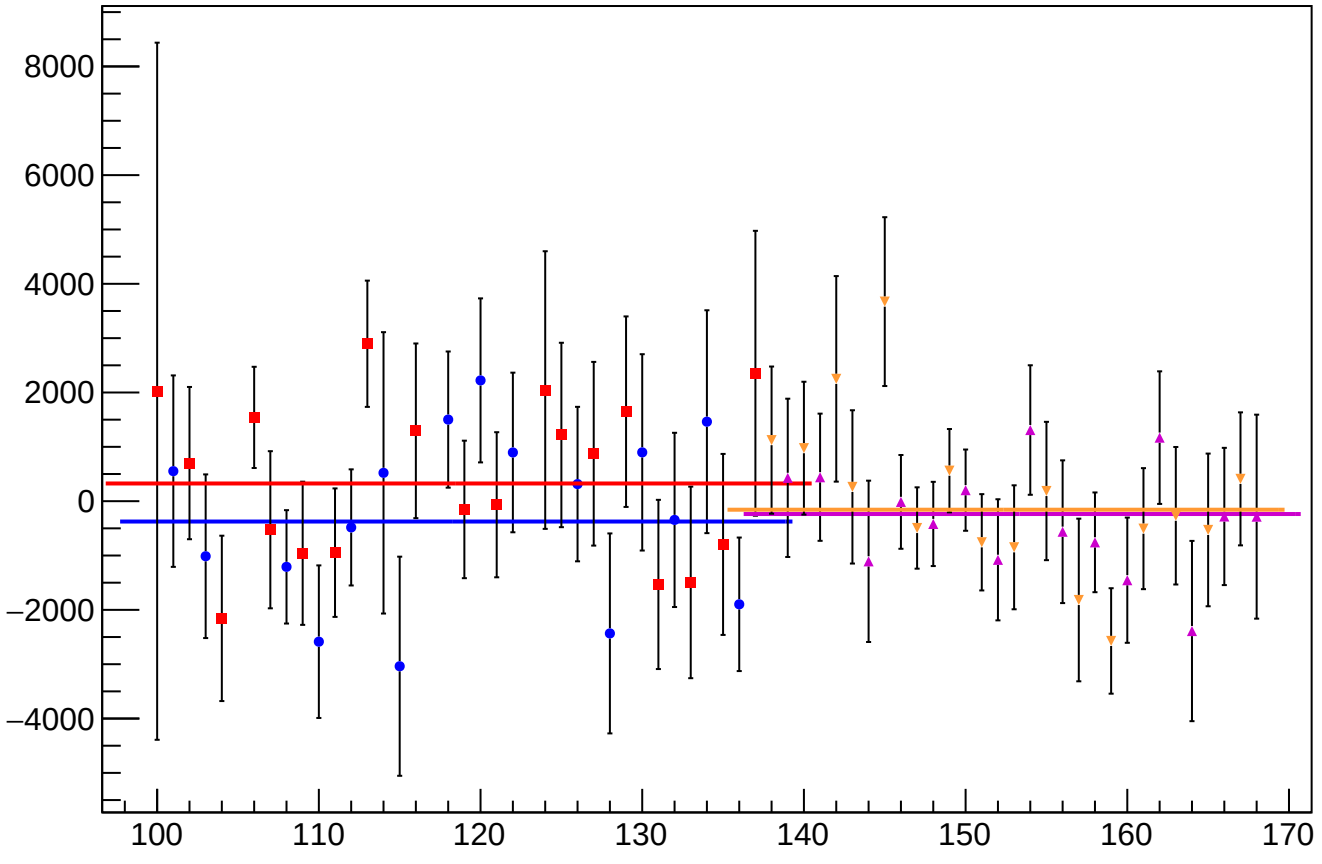
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1612.837+/-0.324 χ^2/NDF:2037.1/14

+ sign 1629.921+/-0.261 χ^2/NDF: 673757.6/31

All: 1629.565+/-0.184 χ^2/NDF: 876235.8/65

- sign 1629.211+/-0.260 χ^2/NDF: 202474.5/33



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -156.978+/-280.920 χ^2/NDF:19.3/15

Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

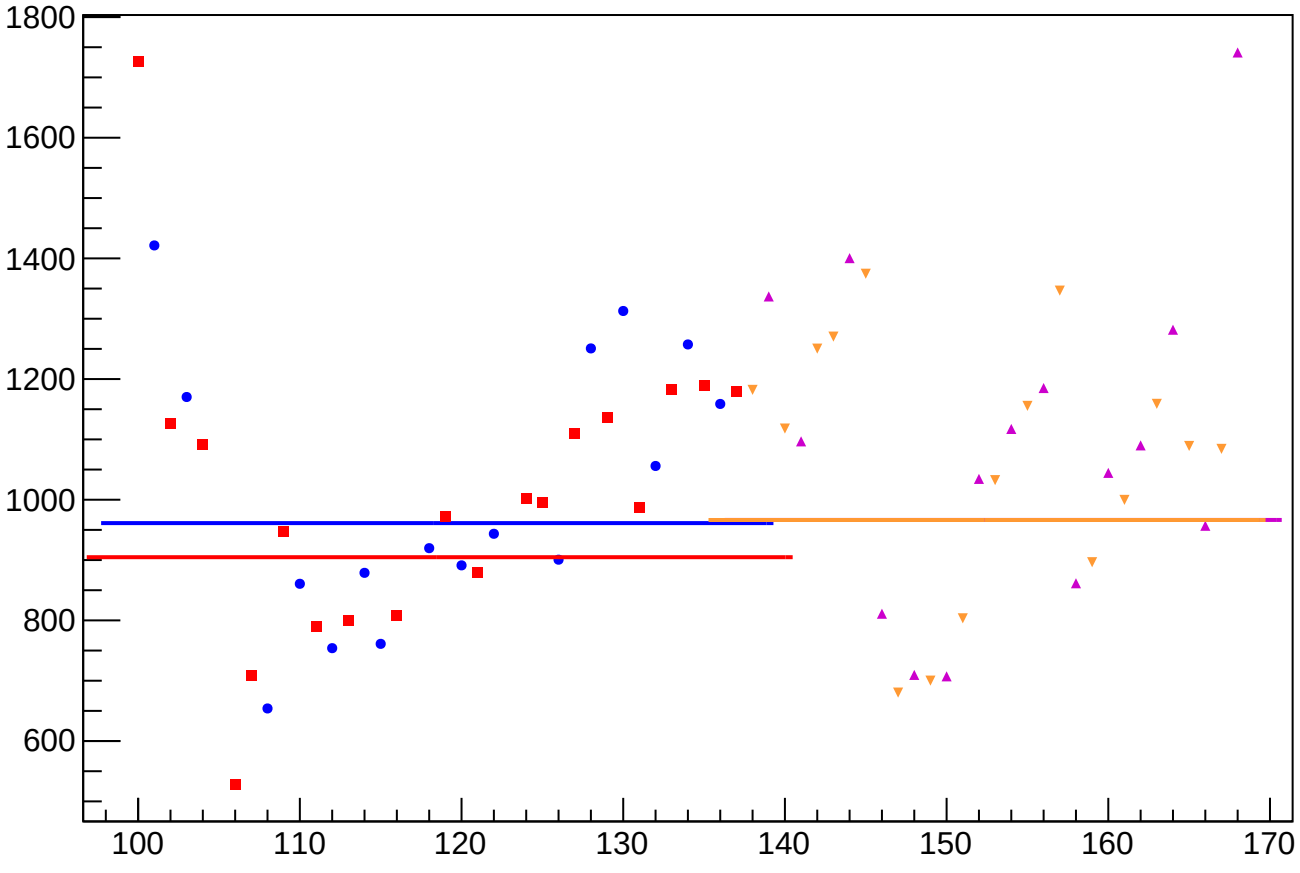
Left In: -236.303+/-283.650 χ^2/NDF:8.1/14

+ sign -237.115+/-223.282 χ^2/NDF: 35.3/31

All: -118.865+/-155.972 χ^2/NDF: 63.0/65

- sign -6.177+/-217.969 χ^2/NDF: 27.1/33

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 966.403+/-0.199 χ^2/NDF:1230879.8/15

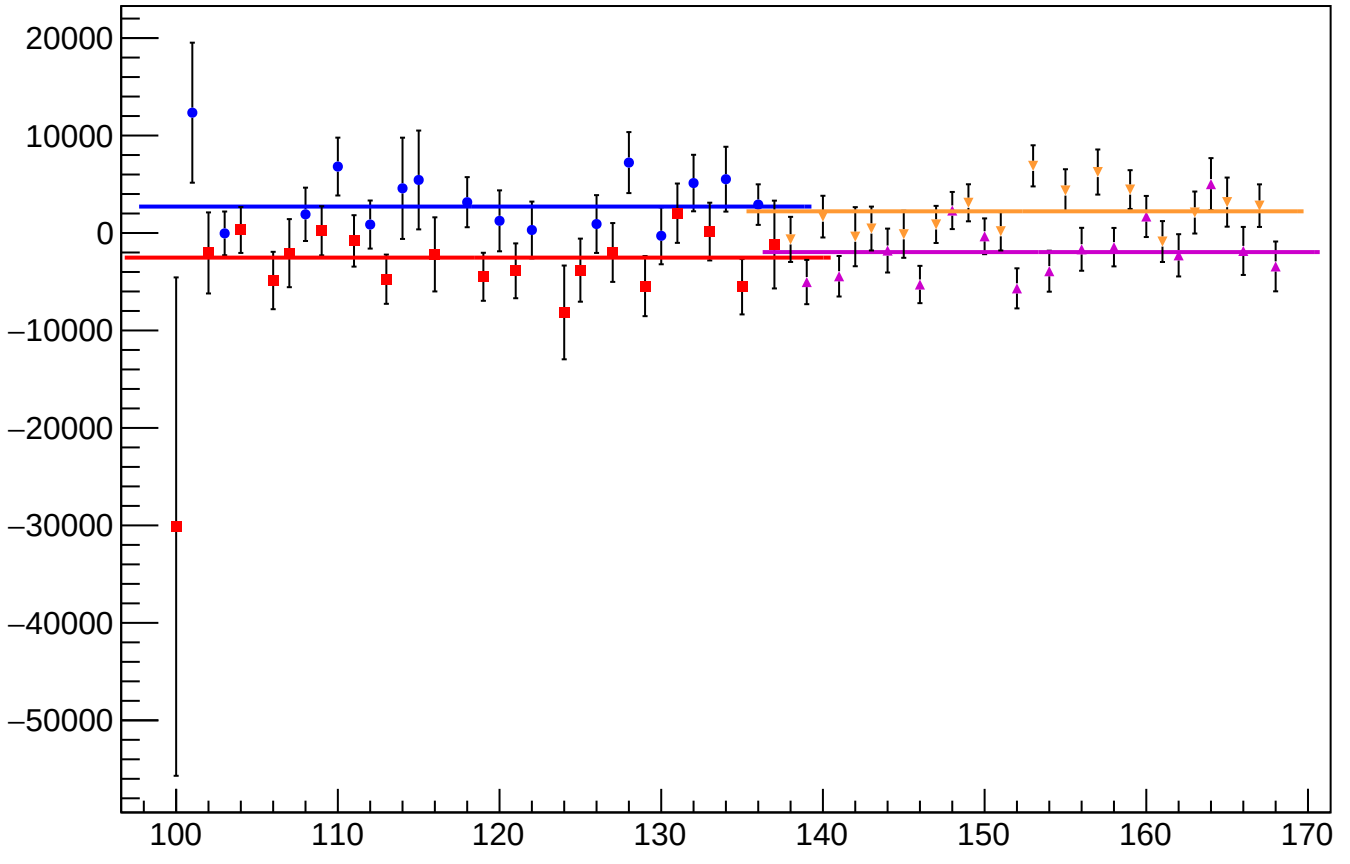
Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 966.486+/-0.201 χ^2/NDF:1414094.2/14

+ sign 964.501+/-0.158 χ^2/NDF: 1923012.1/31

All: 952.570+/-0.110 χ^2/NDF: 4123559.8/65

- sign 941.199+/-0.154 χ^2/NDF: 2189393.7/33



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2224.266+/-544.166 χ^2/NDF:18.2/15

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

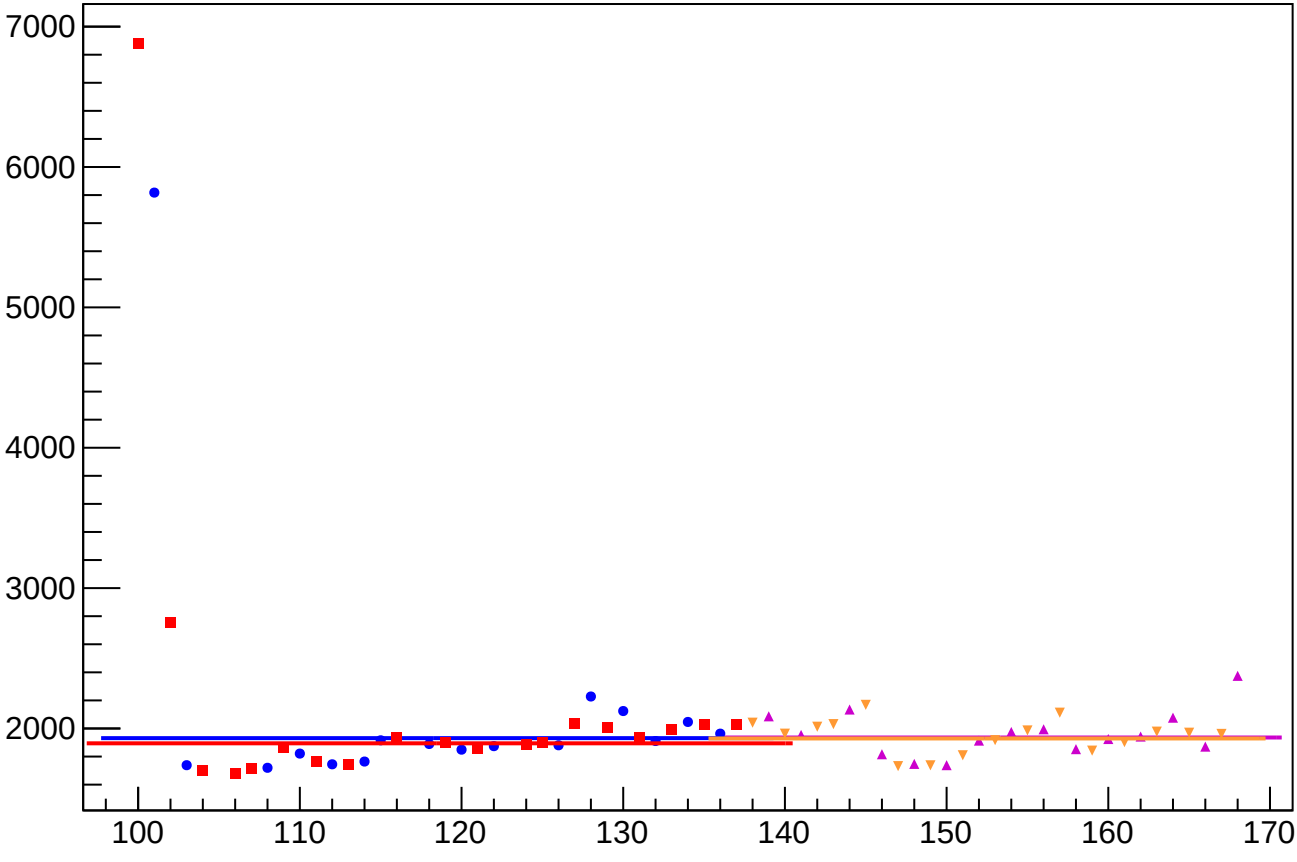
Left In: -1959.006+/-551.380 χ^2/NDF:26.5/14

+ sign 2396.713+/-437.366 χ^2/NDF: 30.7/31

All: 97.436+/-308.303 χ^2/NDF: 125.7/65

- sign -2173.473+/-434.660 χ^2/NDF: 40.1/33

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1928.958+/-0.385 χ^2/NDF:99828.8/15

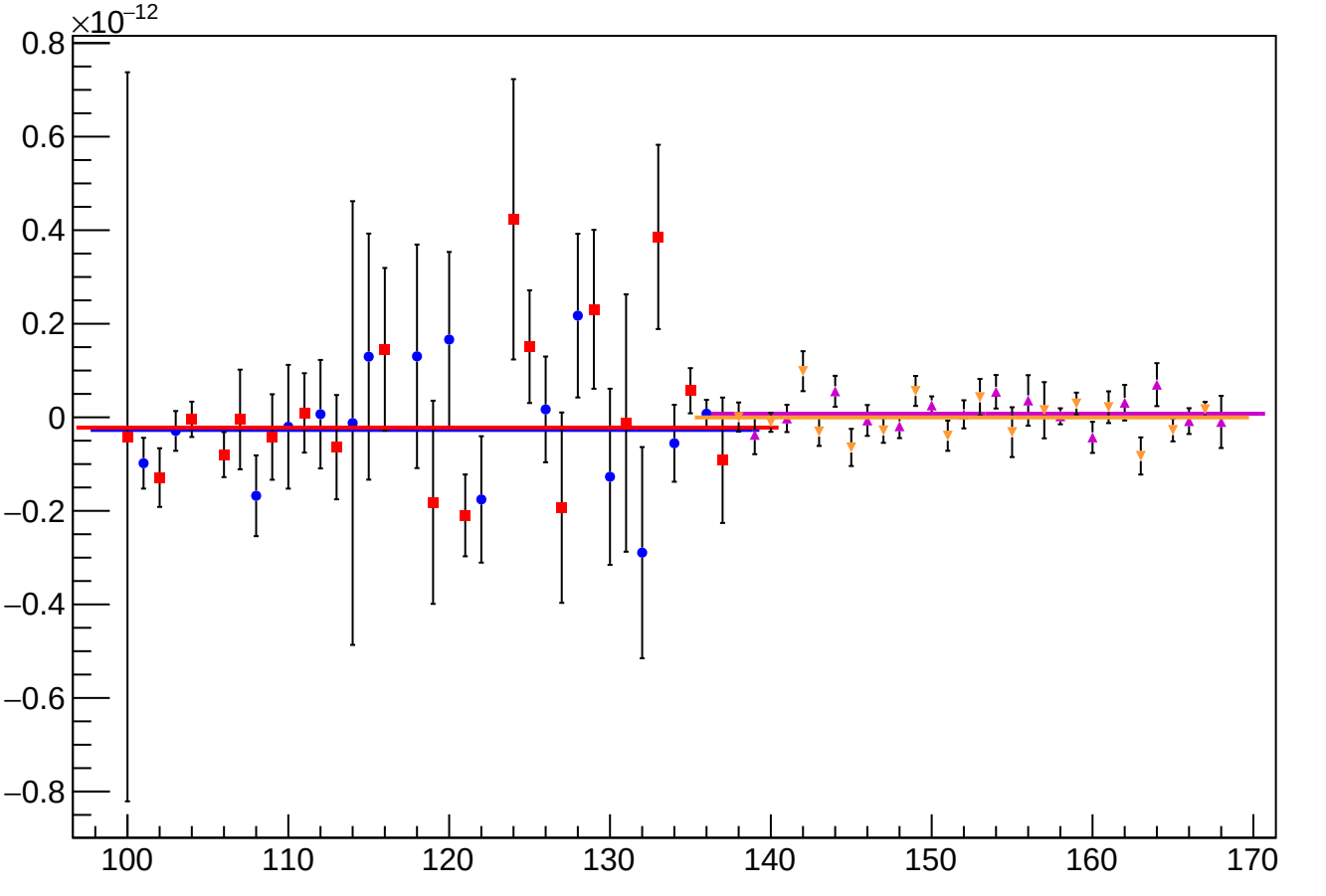
Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1935.761+/-0.390 χ^2/NDF:146908.5/14

+ sign 1929.769+/-0.309 χ^2/NDF: 761068.4/31

All: 1924.896+/-0.218 χ^2/NDF: 1133282.4/65

- sign 1920.084+/-0.307 χ^2/NDF: 371720.5/33



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.3/15

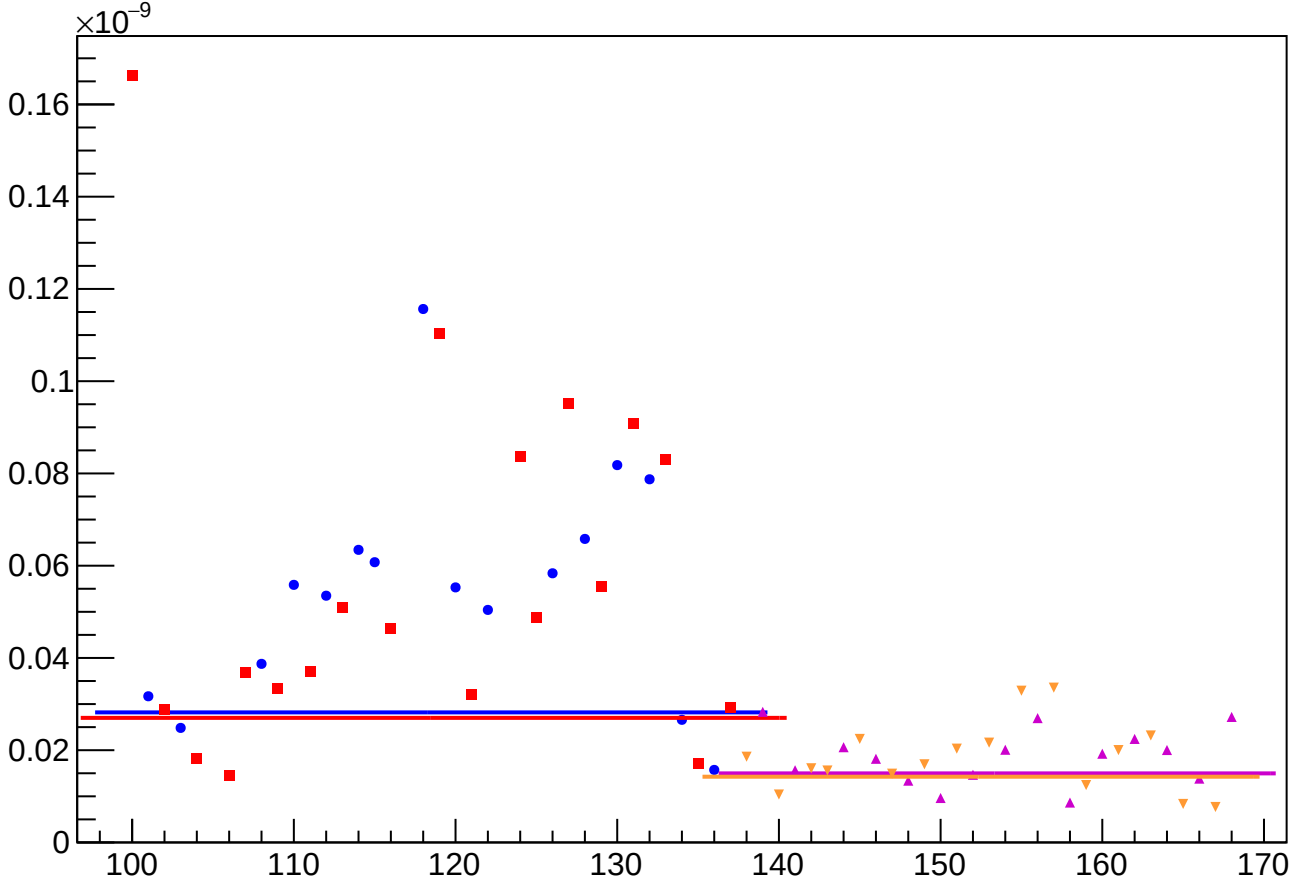
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/14

+ sign -0.000+/-0.000 χ^2/NDF: 39.7/31

All: -0.000+/-0.000 χ^2/NDF: 80.3/65

- sign 0.000+/-0.000 χ^2/NDF: 40.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1444922.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

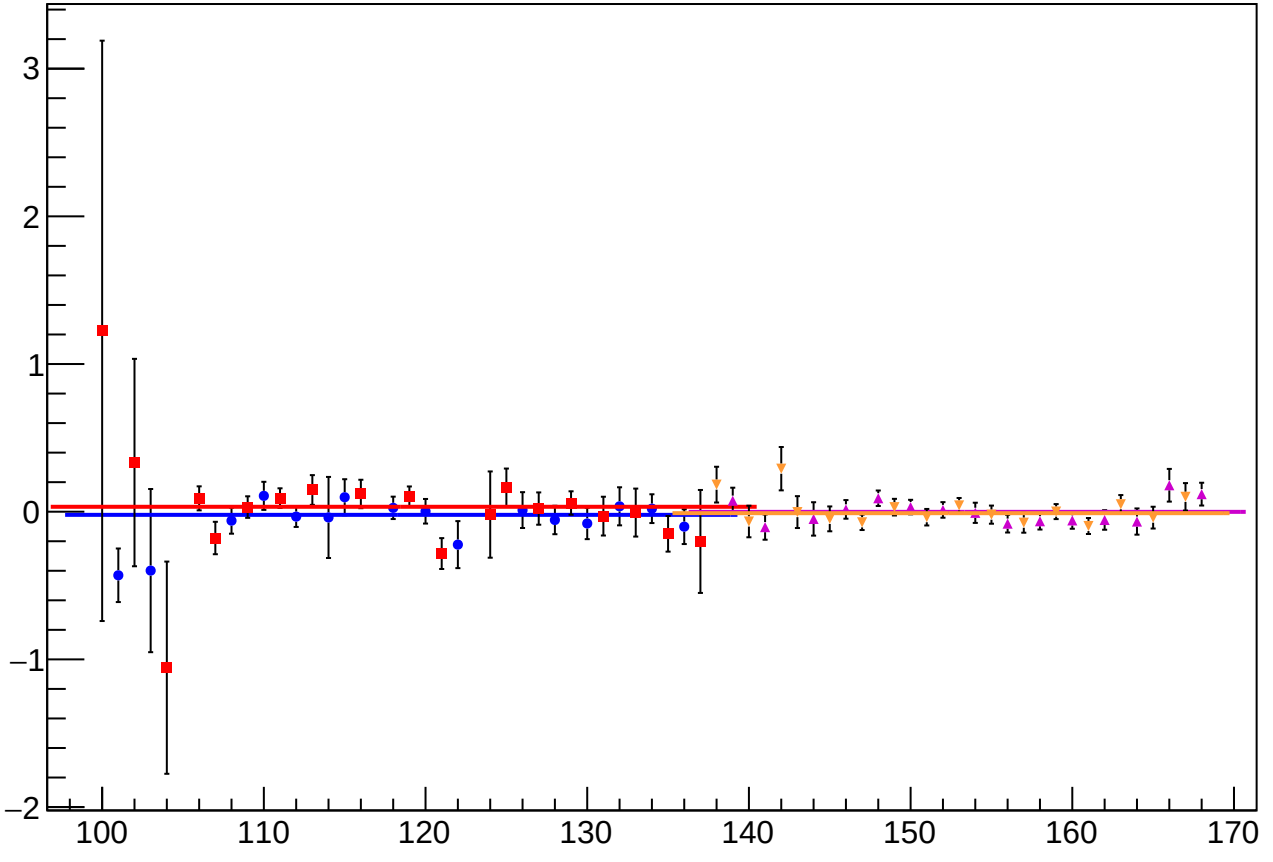
Left In: 0.000+/-0.000 χ^2/NDF:1090963.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 3863819.7/31

All: 0.000+/-0.000 χ^2/NDF: 7187285.1/65

- sign 0.000+/-0.000 χ^2/NDF: 3315430.5/33

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: -0.010+/-0.017 χ^2/NDF:16.6/15

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

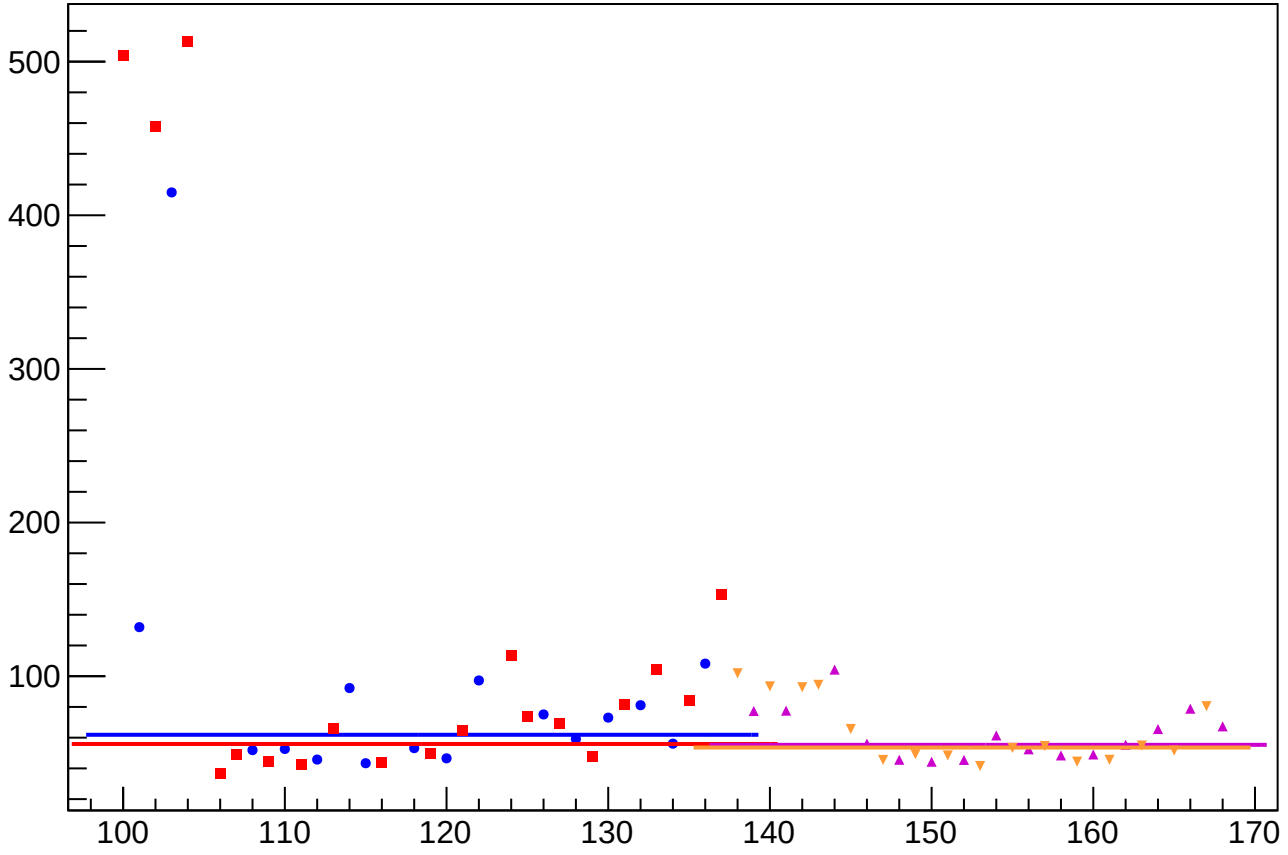
Left In: -0.001+/-0.017 χ^2/NDF:16.4/14

+ sign -0.013+/-0.014 χ^2/NDF: 28.7/31

All: -0.001+/-0.010 χ^2/NDF: 72.2/65

- sign 0.010+/-0.014 χ^2/NDF: 42.1/33

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: 53.579+/-0.012 χ^2/NDF:1537125.9/15

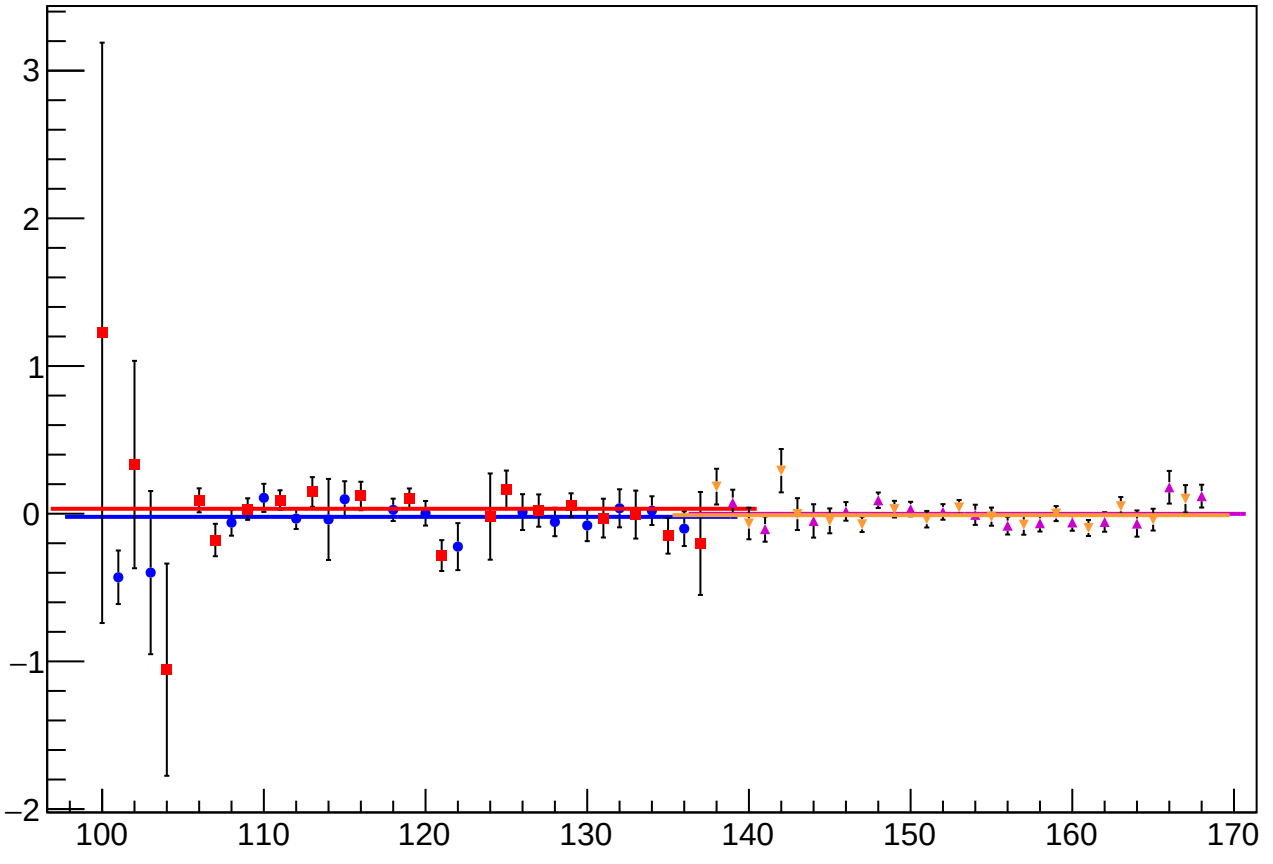
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 55.333+/-0.012 χ^2/NDF:1115391.1/14

+ sign 55.926+/-0.010 χ^2/NDF: 3615085.8/31

All: 55.717+/-0.007 χ^2/NDF: 7323305.8/65

- sign 55.512+/-0.010 χ^2/NDF: 3707354.3/33



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.010+/-0.017 χ^2/NDF:16.6/15

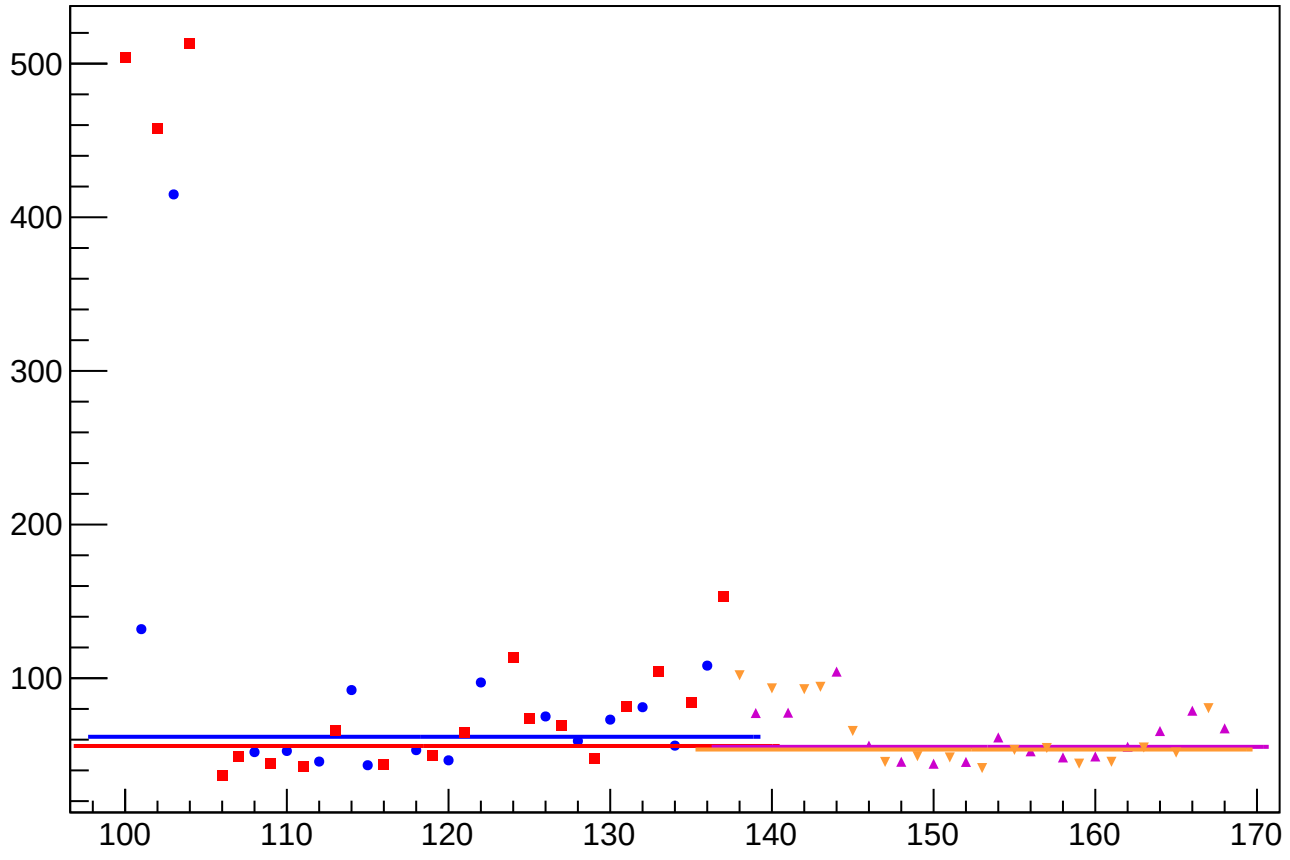
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.001+/-0.017 χ^2/NDF:16.4/14

+ sign -0.013+/-0.014 χ^2/NDF: 28.7/31

All: -0.001+/-0.010 χ^2/NDF: 72.2/65

- sign 0.010+/-0.014 χ^2/NDF: 42.1/33



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 53.579+/-0.012 χ^2/NDF:1537125.9/15

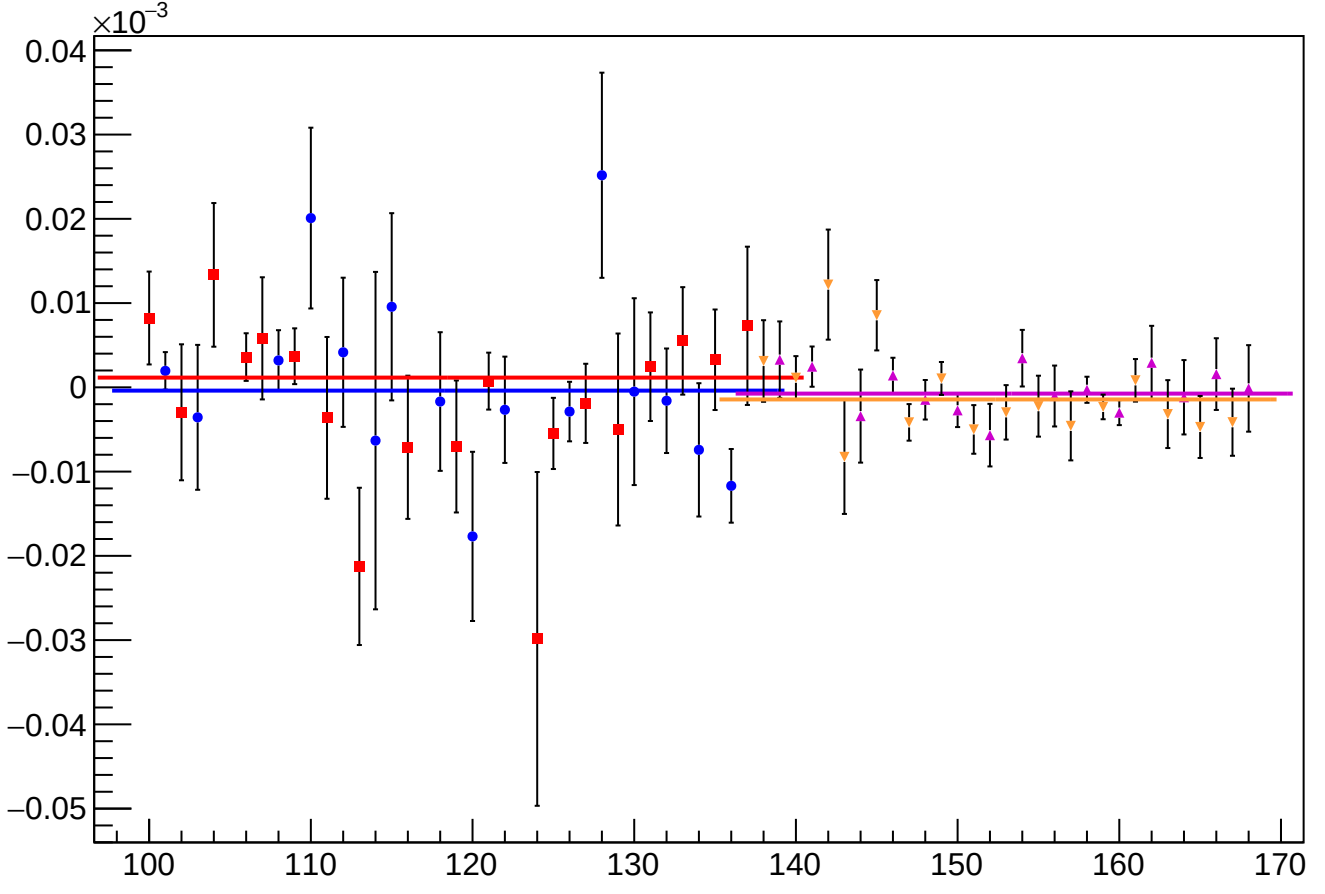
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 55.333+/-0.012 χ^2/NDF:1115391.1/14

+ sign 55.926+/-0.010 χ^2/NDF: 3615085.8/31

All: 55.717+/-0.007 χ^2/NDF: 7323305.8/65

- sign 55.512+/-0.010 χ^2/NDF: 3707354.3/33



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.2/15

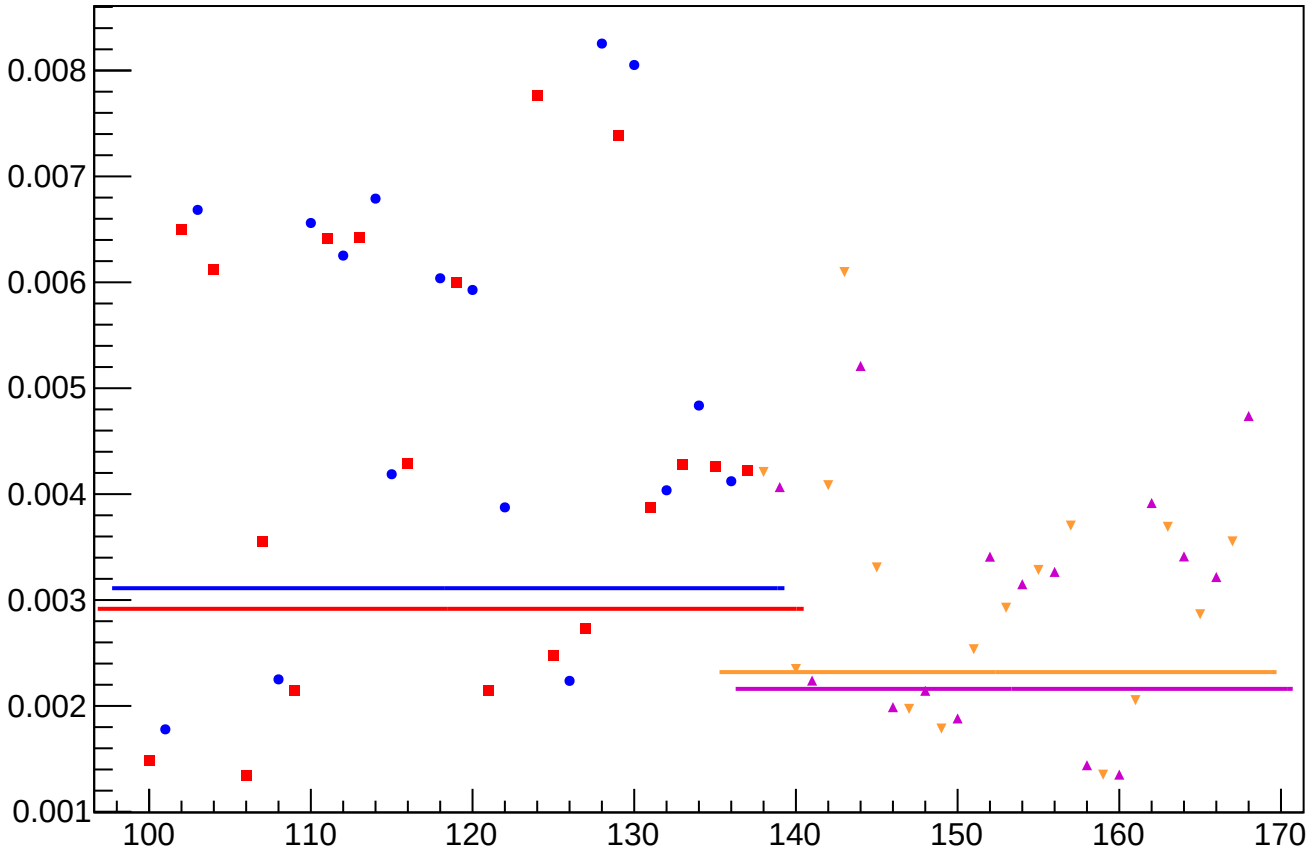
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.7/14

+ sign -0.000+/-0.000 χ^2/NDF: 44.2/31

All: -0.000+/-0.000 χ^2/NDF: 79.2/65

- sign -0.000+/-0.000 χ^2/NDF: 34.0/33



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:3205036.7/15

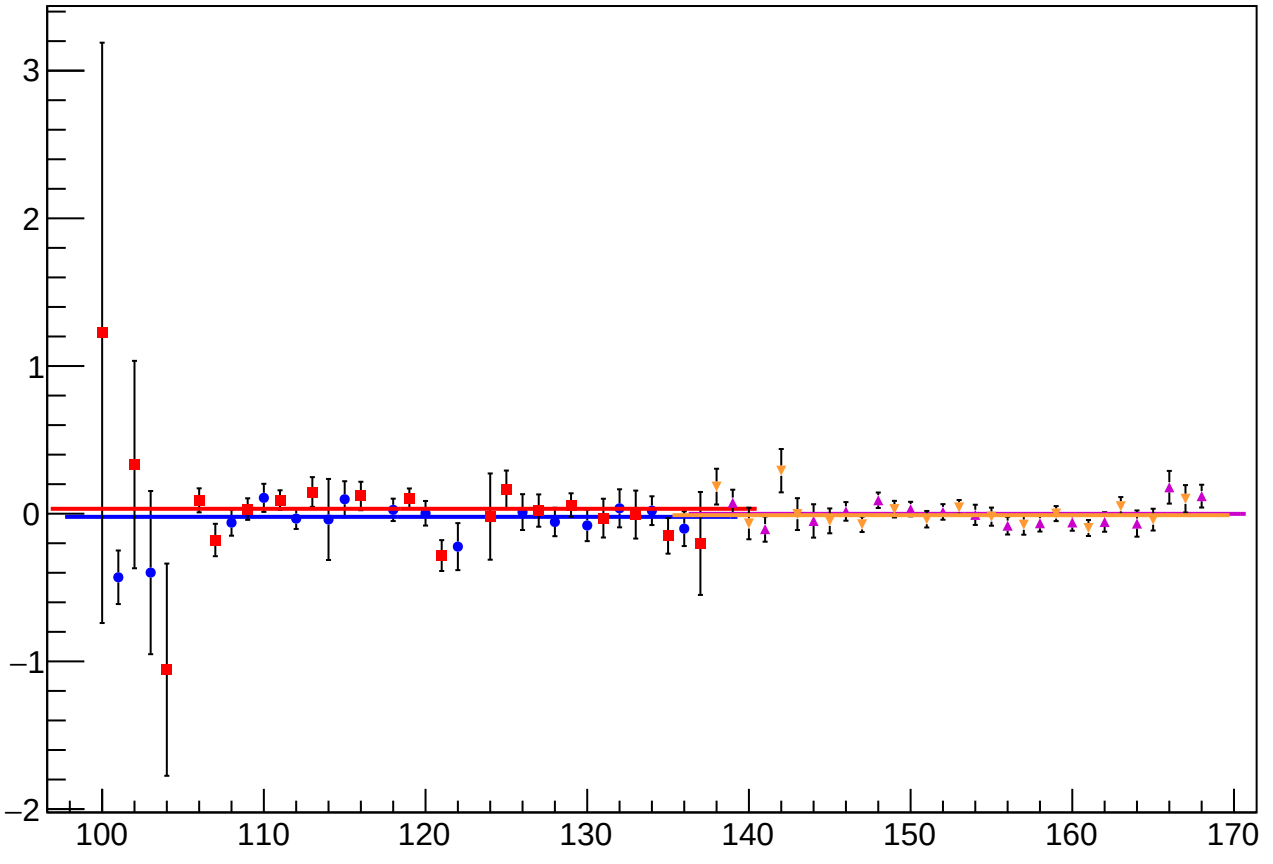
Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:3740113.9/14

+ sign 0.002+/-0.000 χ^2/NDF: 7037764.3/31

All: 0.002+/-0.000 χ^2/NDF: 14714883.4/65

- sign 0.002+/-0.000 χ^2/NDF: 7601646.6/33



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.010+/-0.017 χ^2/NDF:16.6/15

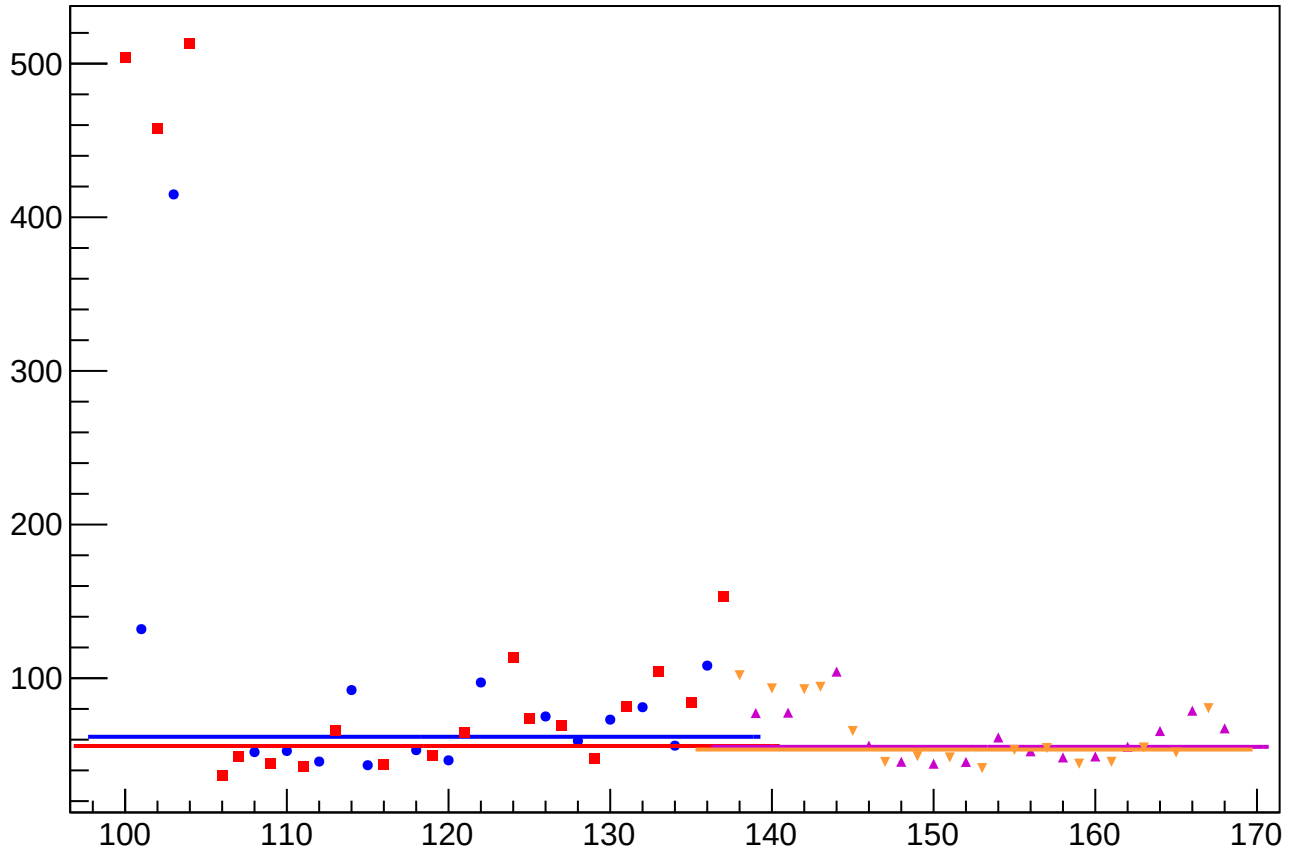
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.001+/-0.017 χ^2/NDF:16.4/14

+ sign -0.013+/-0.014 χ^2/NDF: 28.7/31

All: -0.001+/-0.010 χ^2/NDF: 72.2/65

- sign 0.010+/-0.014 χ^2/NDF: 42.1/33



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 53.579+/-0.012 χ^2/NDF:1537169.8/15

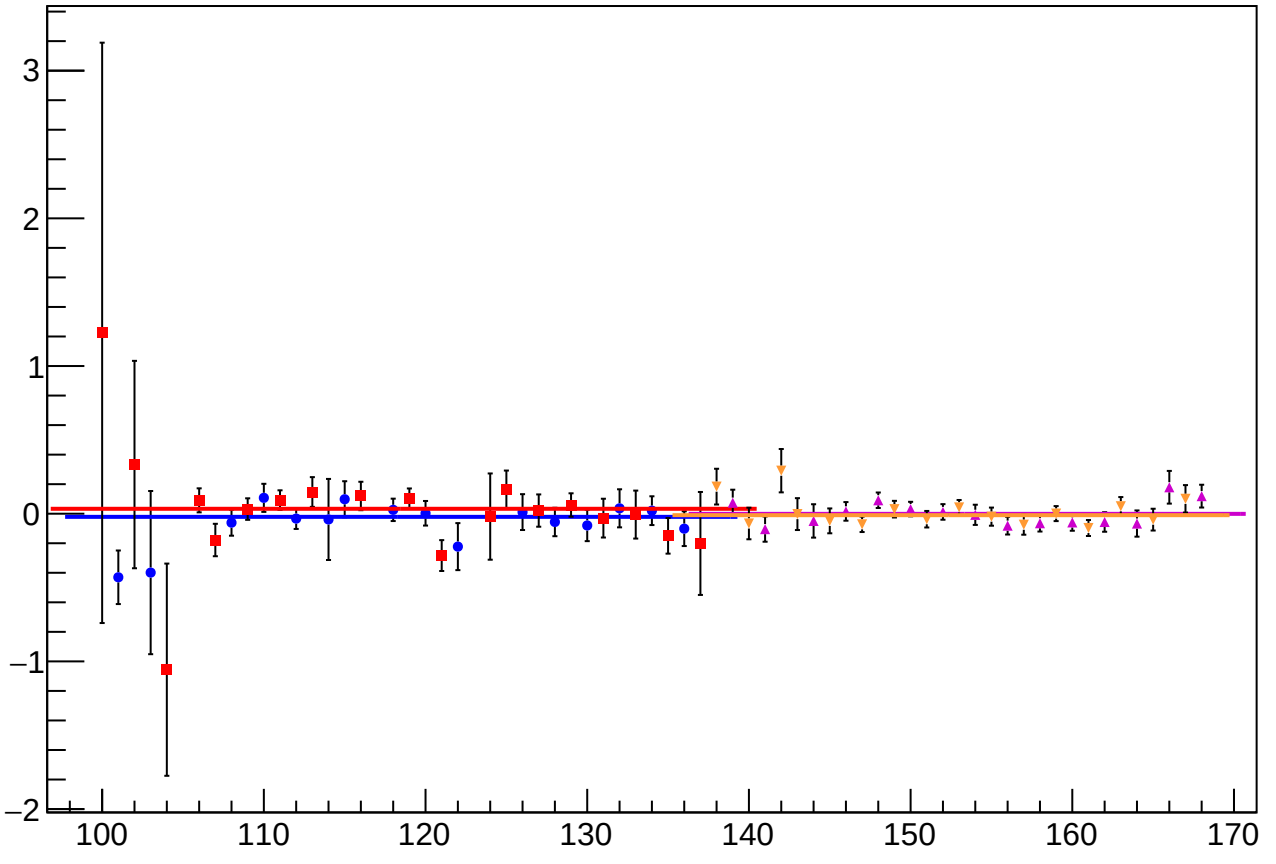
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 55.333+/-0.012 χ^2/NDF:1115384.3/14

+ sign 55.926+/-0.010 χ^2/NDF: 3615063.3/31

All: 55.717+/-0.007 χ^2/NDF: 7323231.8/65

- sign 55.512+/-0.010 χ^2/NDF: 3707303.1/33



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.010+/-0.017 χ^2/NDF:16.6/15

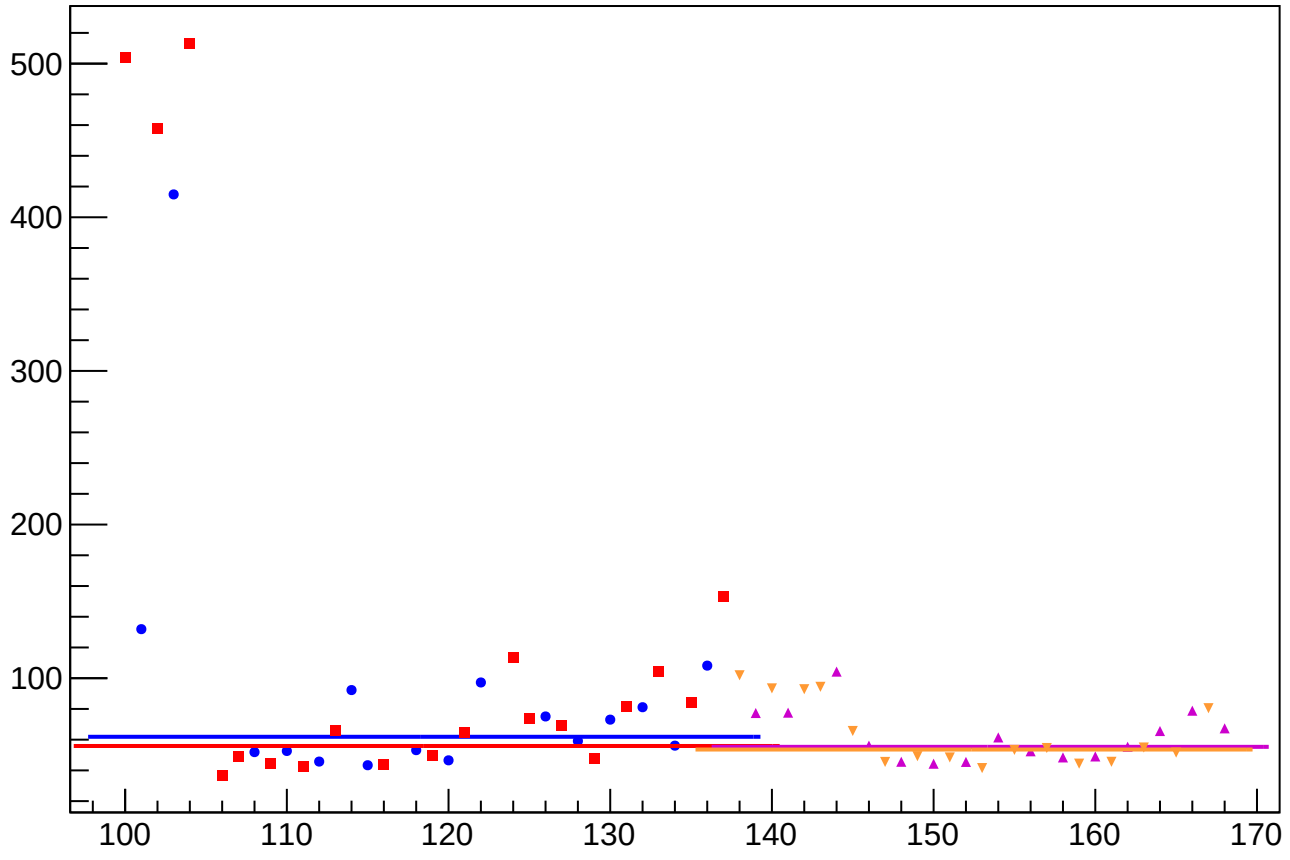
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.001+/-0.017 χ^2/NDF:16.4/14

+ sign -0.013+/-0.014 χ^2/NDF: 28.7/31

All: -0.001+/-0.010 χ^2/NDF: 72.2/65

- sign 0.010+/-0.014 χ^2/NDF: 42.1/33



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 53.579+/-0.012 χ^2/NDF:1537169.8/15

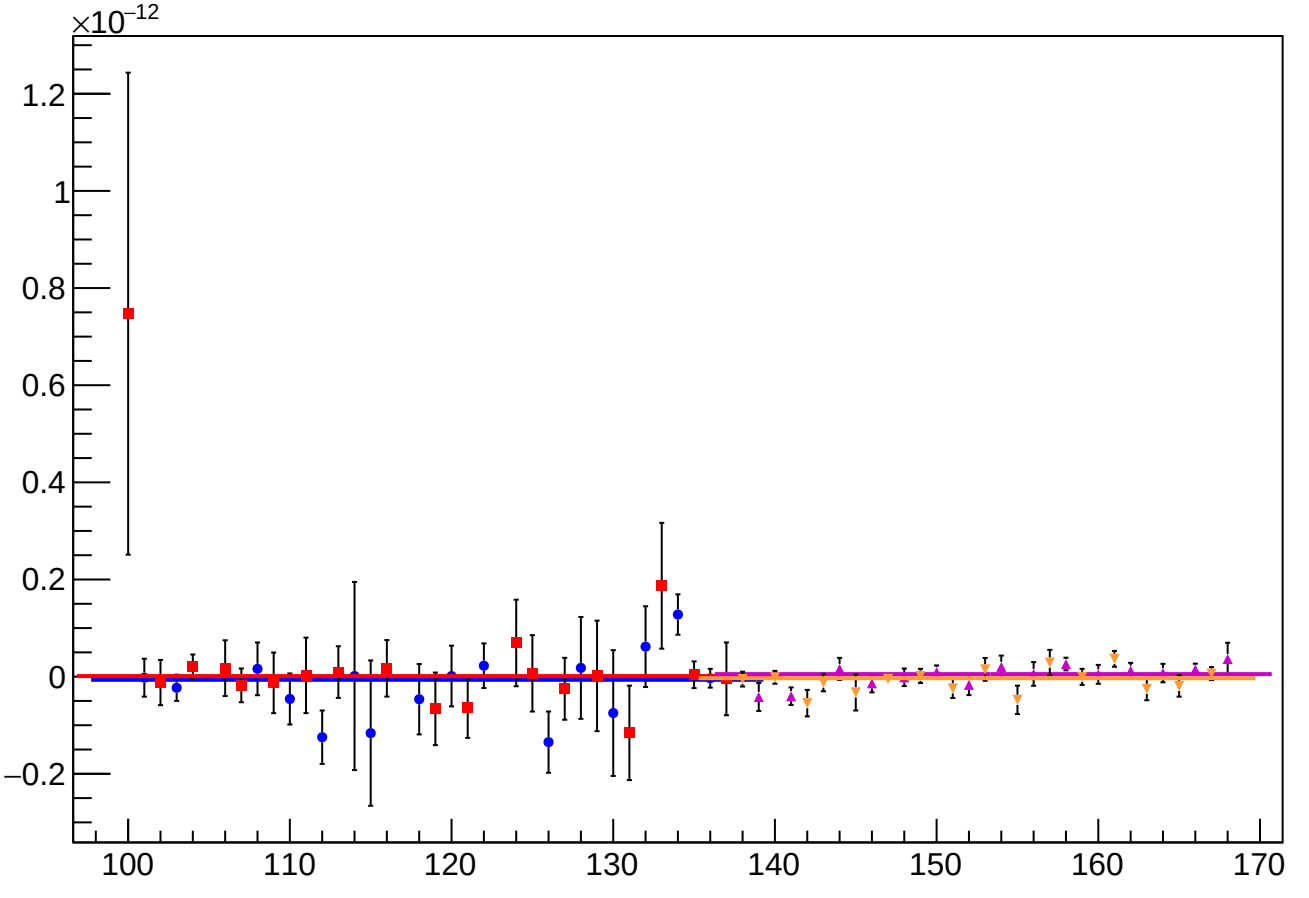
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 55.333+/-0.012 χ^2/NDF:1115384.3/14

+ sign 55.926+/-0.010 χ^2/NDF: 3615063.3/31

All: 55.717+/-0.007 χ^2/NDF: 7323231.8/65

- sign 55.512+/-0.010 χ^2/NDF: 3707303.1/33



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/15

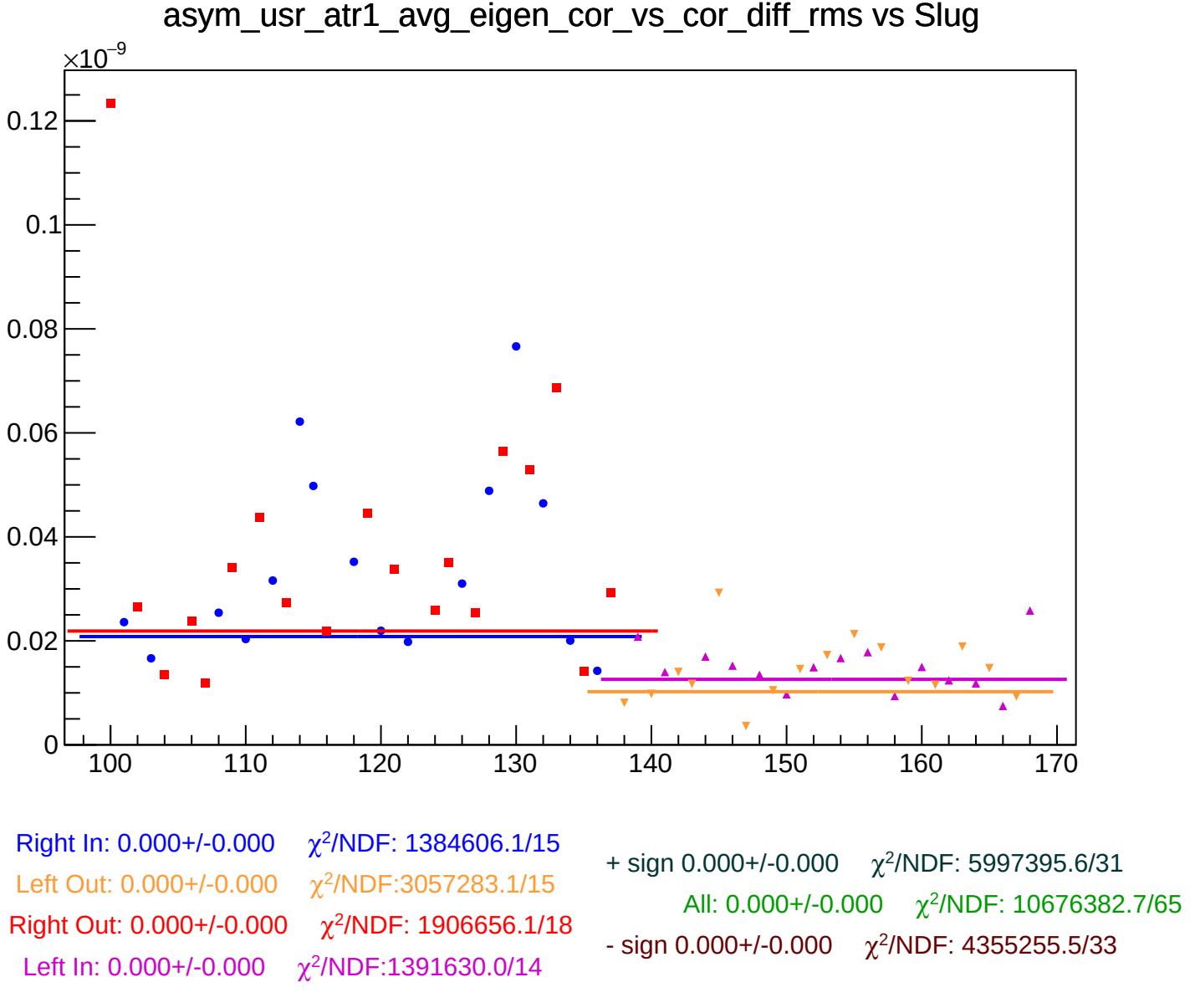
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:16.2/14

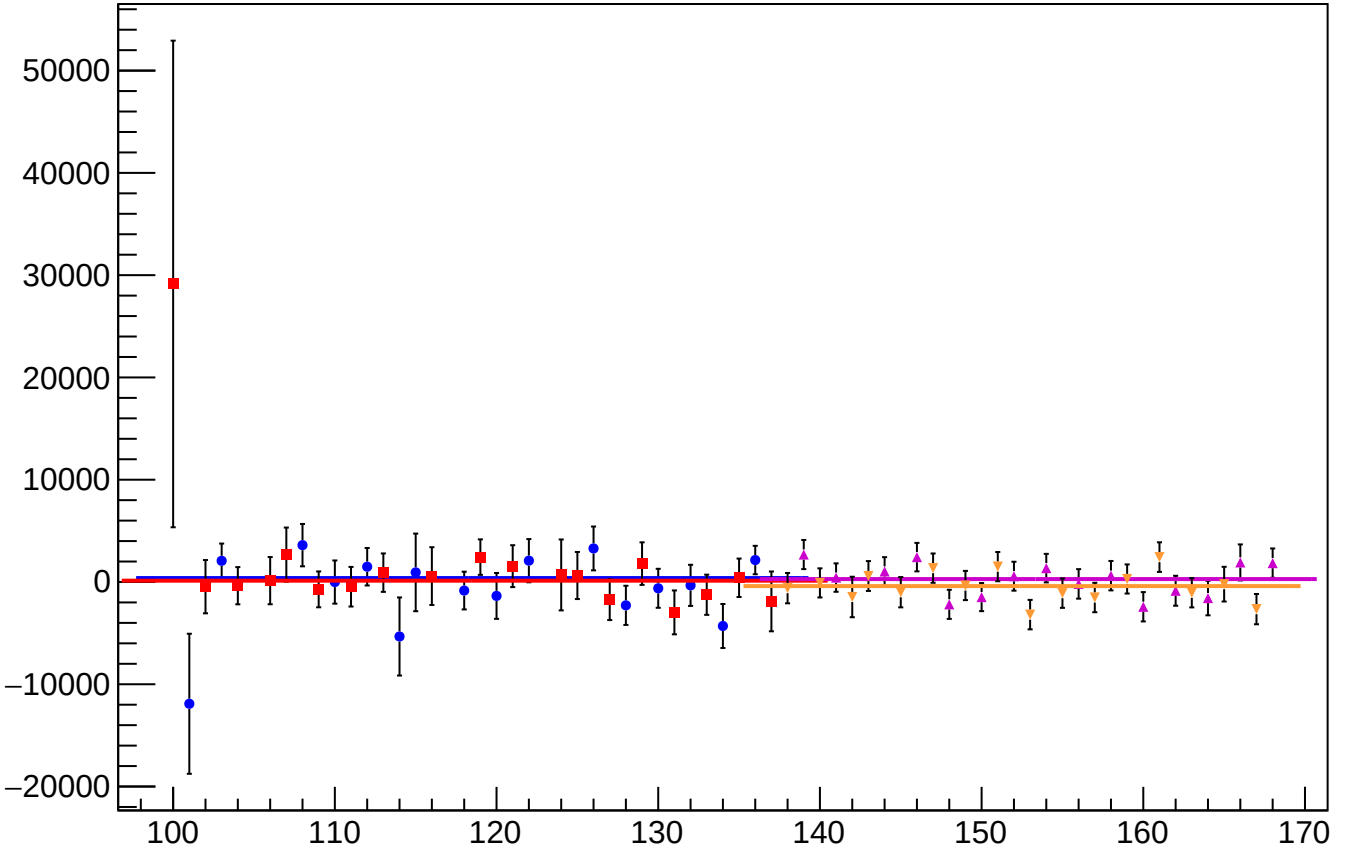
+ sign -0.000+/-0.000 χ^2/NDF: 40.7/31

All: 0.000+/-0.000 χ^2/NDF: 68.7/65

- sign 0.000+/-0.000 χ^2/NDF: 26.0/33


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1384606.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3057283.1/15
Right Out: 0.000+/-0.000 χ²/NDF: 1906656.1/18
Left In: 0.000+/-0.000 χ²/NDF:1391630.0/14
+ sign 0.000+/-0.000 χ²/NDF: 5997395.6/31
All: 0.000+/-0.000 χ²/NDF: 10676382.7/65
- sign 0.000+/-0.000 χ²/NDF: 4355255.5/33

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -402.658+/-369.953 χ^2/NDF:15.4/15

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

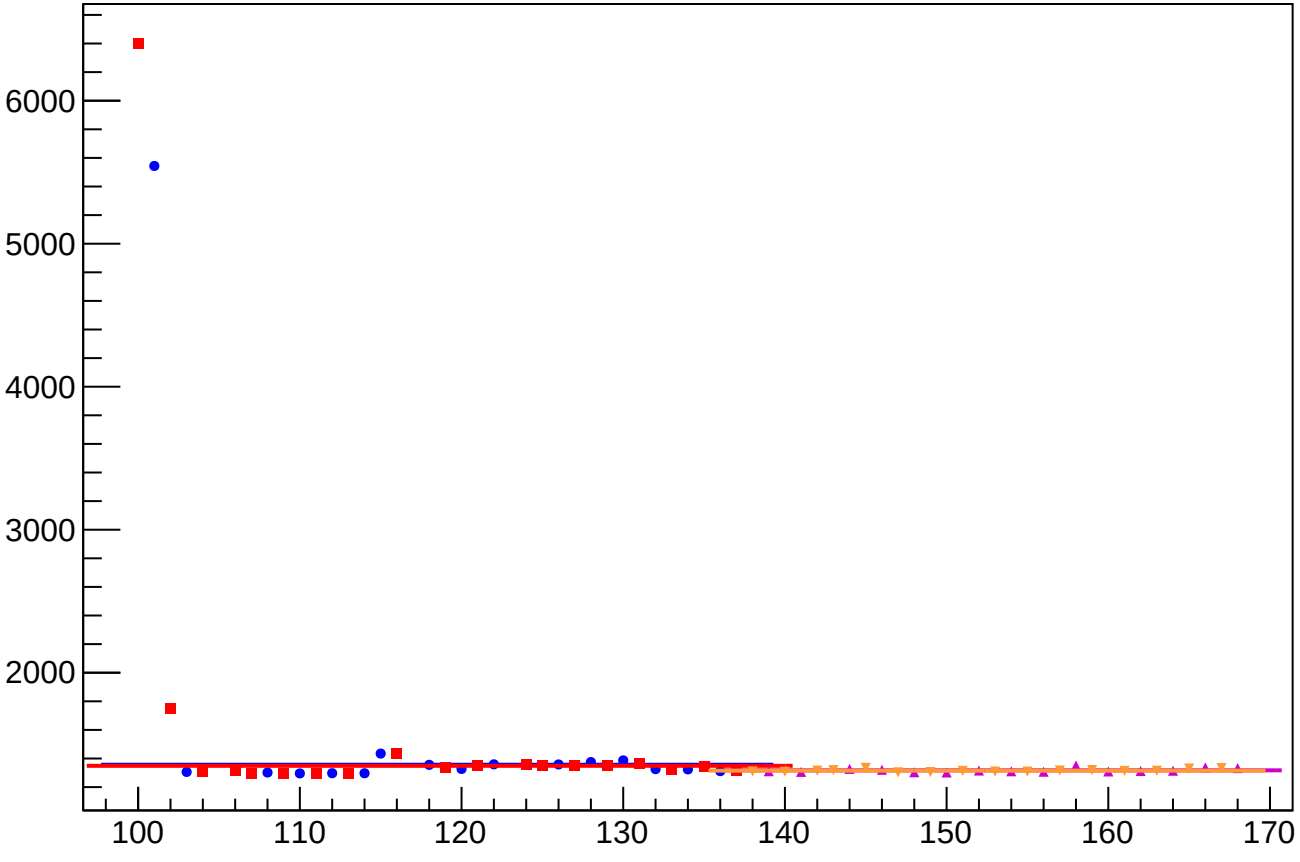
Left In: 283.373+/-373.913 χ^2/NDF:18.4/14

+ sign -137.674+/-301.015 χ^2/NDF: 38.5/31

All: 45.871+/-212.367 χ^2/NDF: 67.6/65

- sign 227.762+/-299.654 χ^2/NDF: 28.4/33

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1315.255+/-0.262 χ^2/NDF:1205.9/15

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

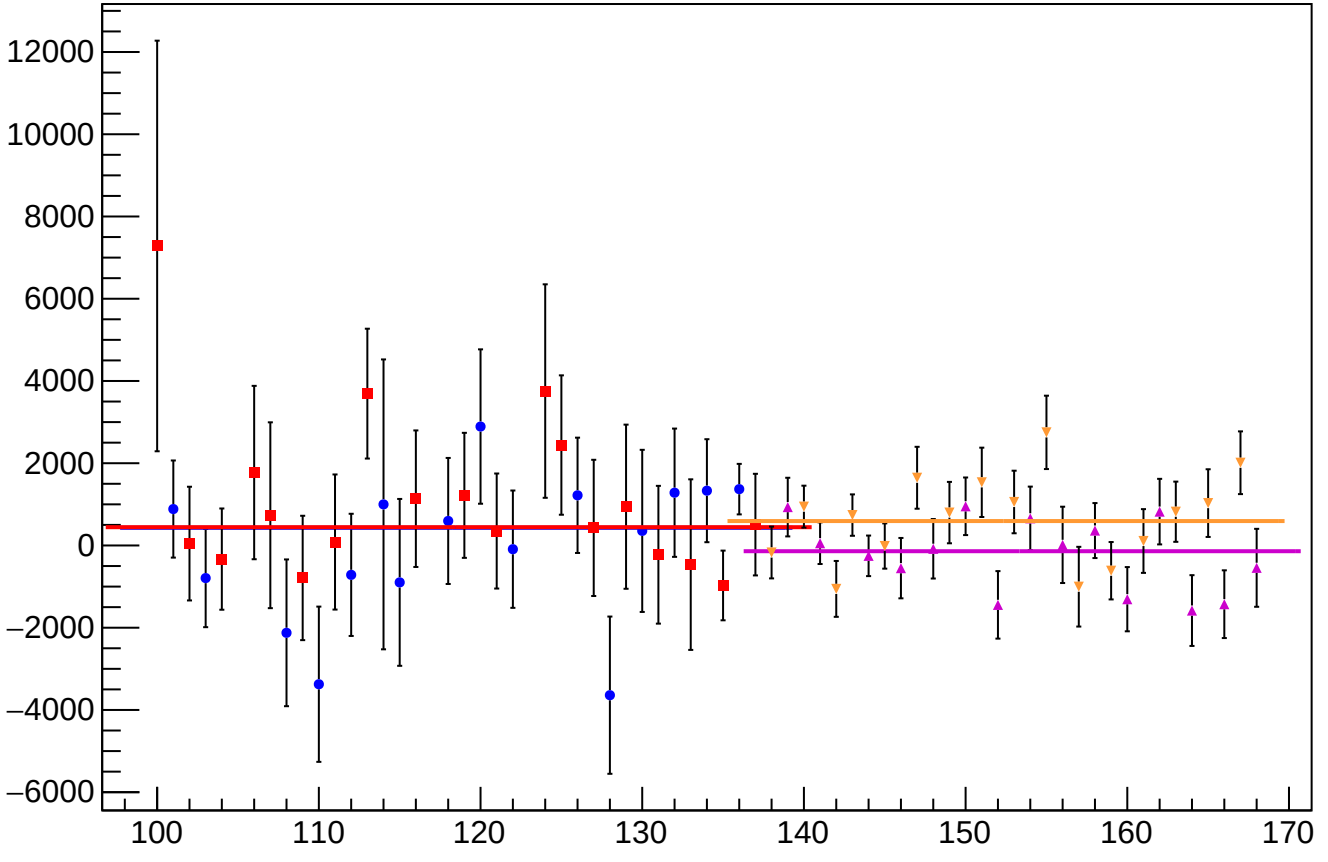
Left In: 1317.317+/-0.264 χ^2/NDF:2518.3/14

+ sign 1329.160+/-0.213 χ^2/NDF: 769831.6/31

All: 1328.900+/-0.150 χ^2/NDF: 924747.5/65

- sign 1328.643+/-0.212 χ^2/NDF: 154913.0/33

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 593.498+/-172.591 χ^2/NDF:28.6/15

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

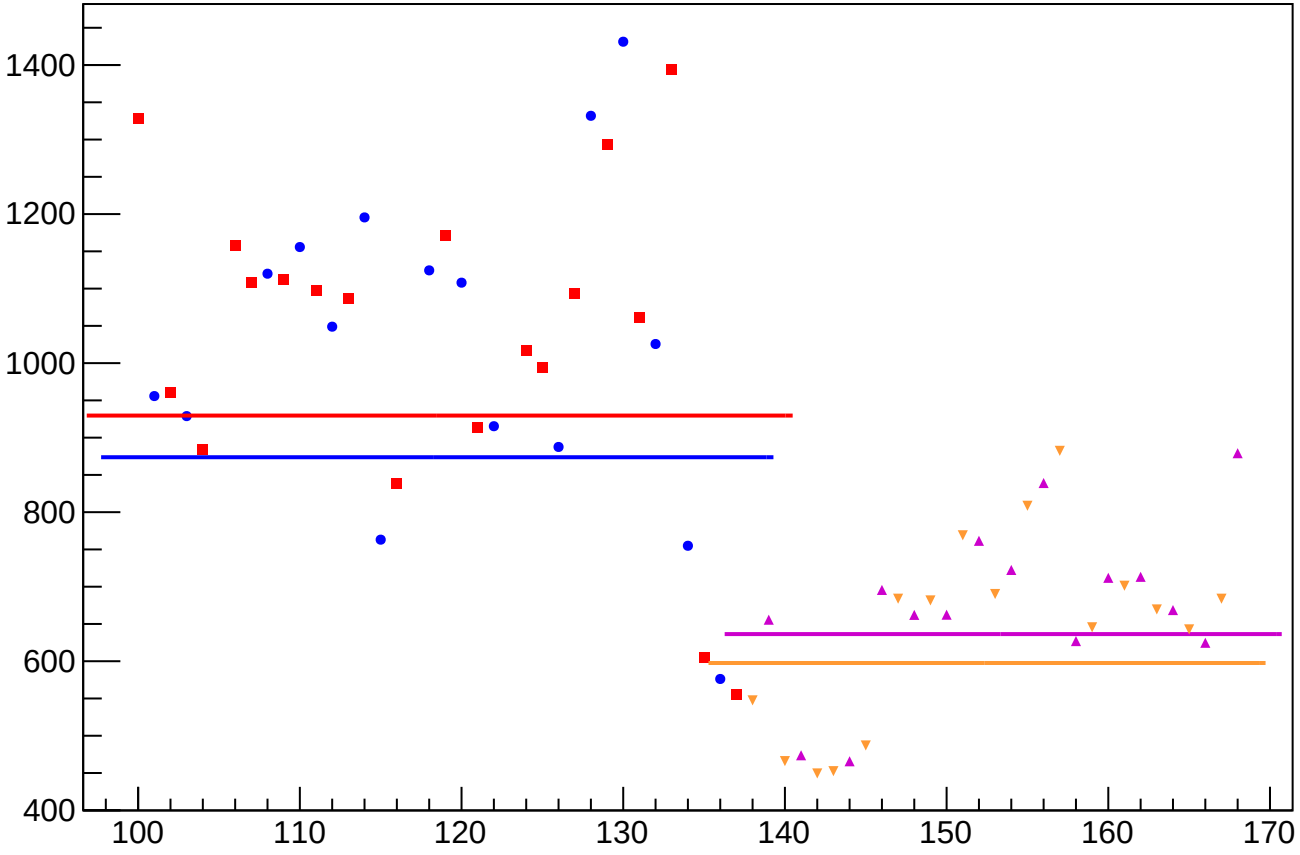
Left In: -139.682+/-184.104 χ^2/NDF:18.5/14

+ sign 559.832+/-153.754 χ^2/NDF: 47.0/31

All: 289.488+/-112.005 χ^2/NDF: 88.6/65

- sign -16.182+/-163.491 χ^2/NDF: 35.1/33

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 597.623+/-0.122 χ^2/NDF:1032419.6/15

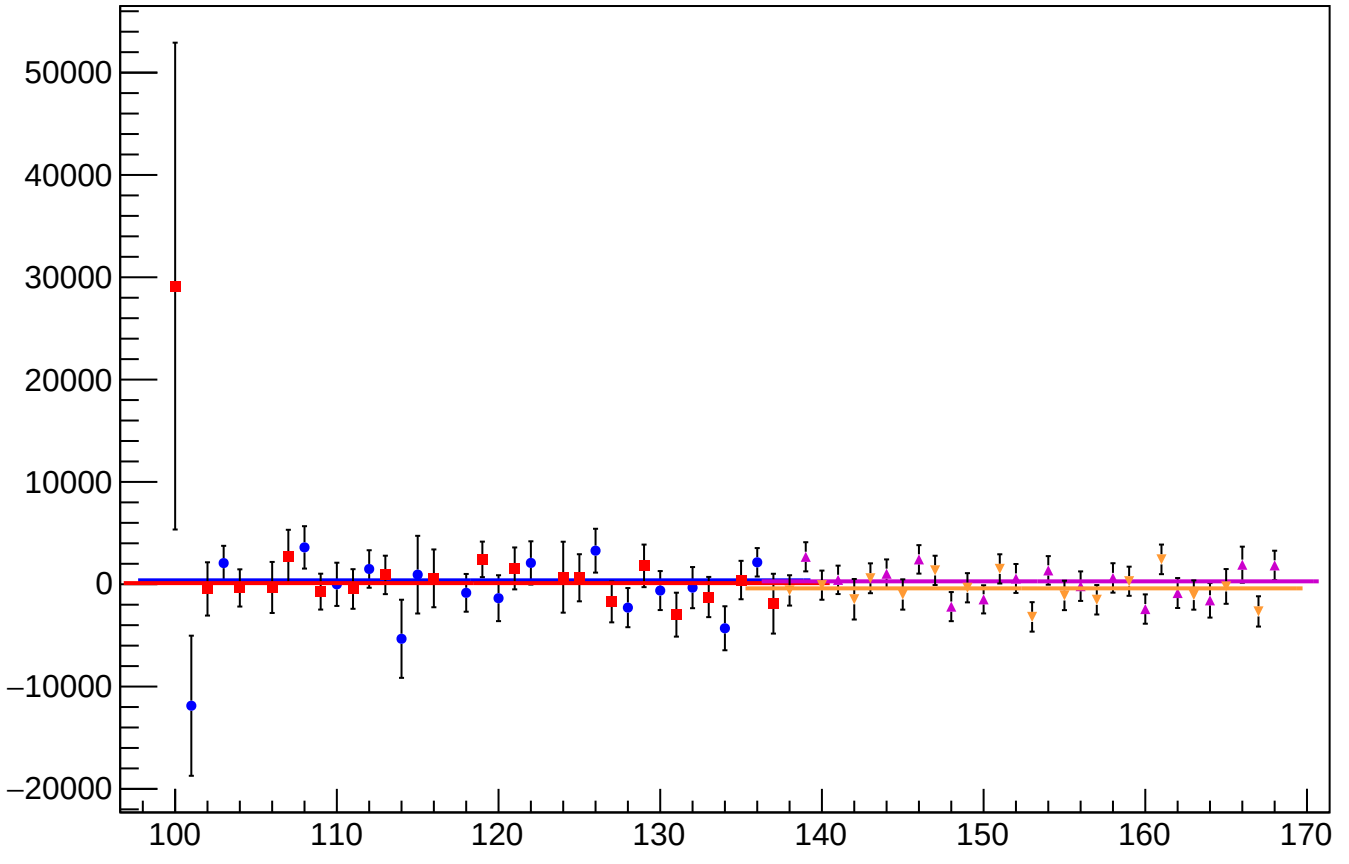
Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 636.413+/-0.130 χ^2/NDF:804675.8/14

+ sign 654.603+/-0.109 χ^2/NDF: 3103611.2/31

All: 675.157+/-0.079 χ^2/NDF: 5916838.1/65

- sign 698.397+/-0.116 χ^2/NDF: 2737073.8/33



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -402.712+/-369.953 χ^2/NDF:15.4/15

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

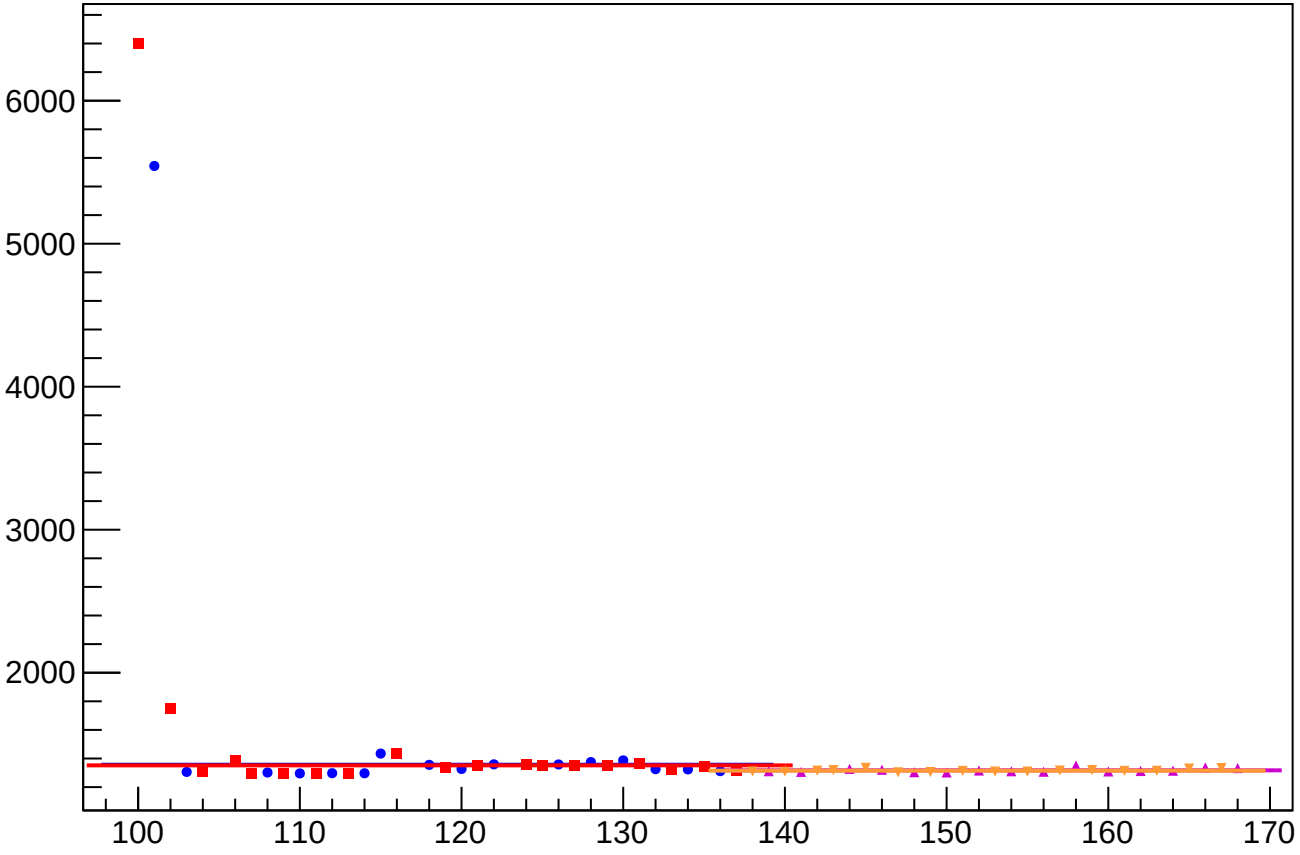
Left In: 283.403+/-373.913 χ^2/NDF:18.4/14

+ sign -137.606+/-301.015 χ^2/NDF: 38.5/31

All: 42.661+/-212.497 χ^2/NDF: 67.6/65

- sign 221.738+/-300.019 χ^2/NDF: 28.5/33

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1315.255+/-0.262 χ^2/NDF:1205.9/15

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

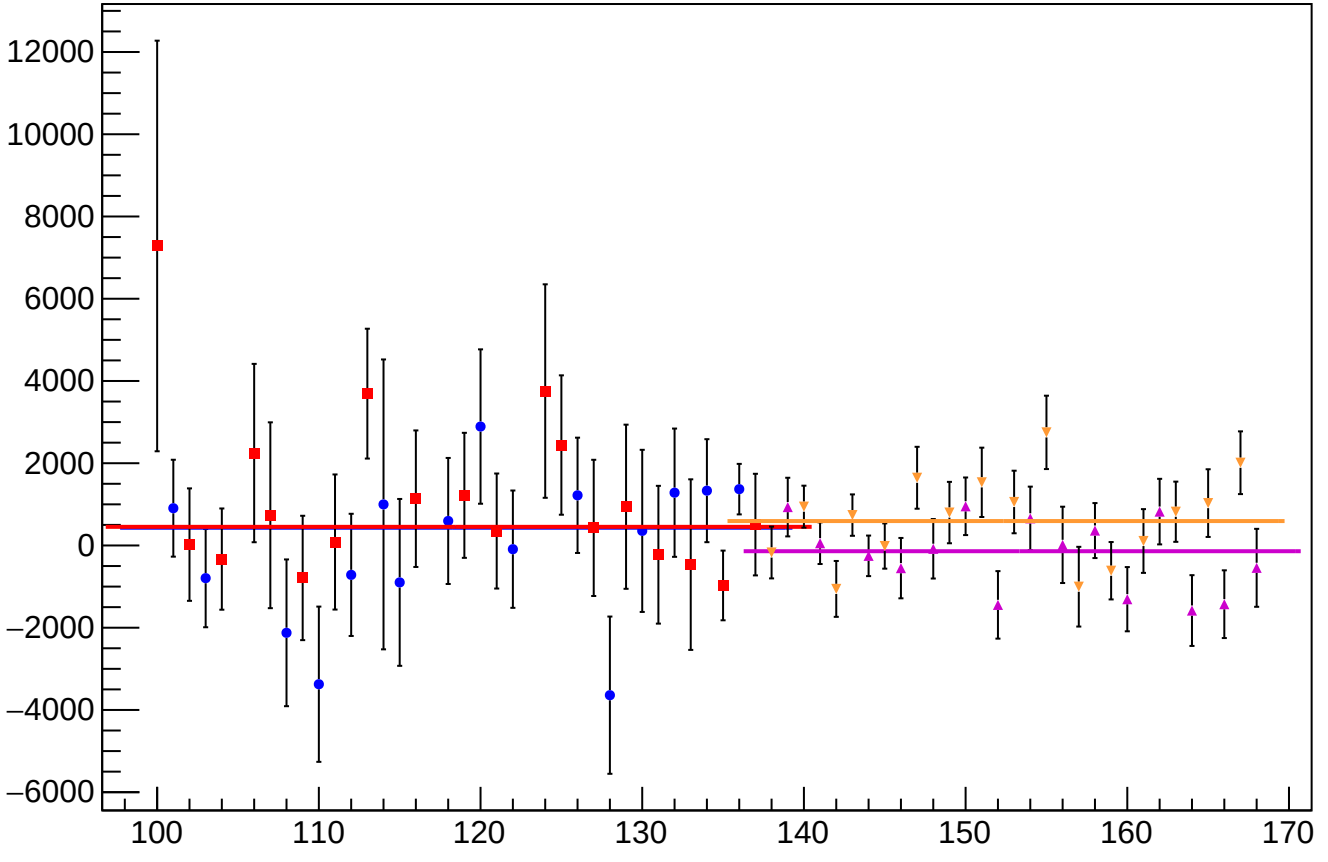
Left In: 1317.317+/-0.264 χ^2/NDF:2518.3/14

+ sign 1329.160+/-0.213 χ^2/NDF: 769830.6/31

All: 1329.431+/-0.150 χ^2/NDF: 925837.5/65

- sign 1329.700+/-0.212 χ^2/NDF: 156003.6/33

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 593.445+/-172.591 χ^2/NDF:28.6/15

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

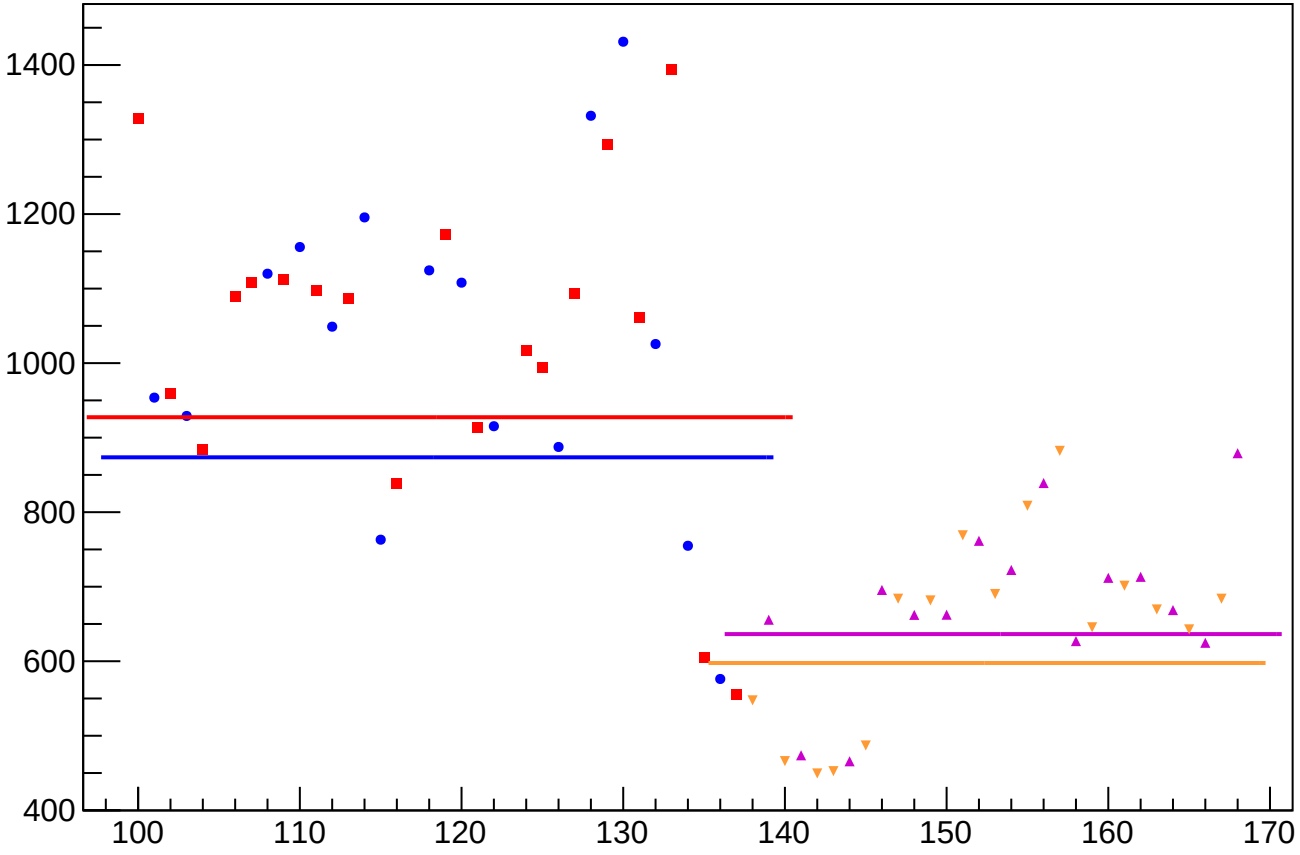
Left In: -139.702+/-184.102 χ^2/NDF:18.5/14

+ sign 560.147+/-153.749 χ^2/NDF: 47.0/31

All: 290.496+/-112.003 χ^2/NDF: 89.0/65

- sign -14.408+/-163.491 χ^2/NDF: 35.4/33

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 597.624+/-0.122 χ^2/NDF:1032359.2/15

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

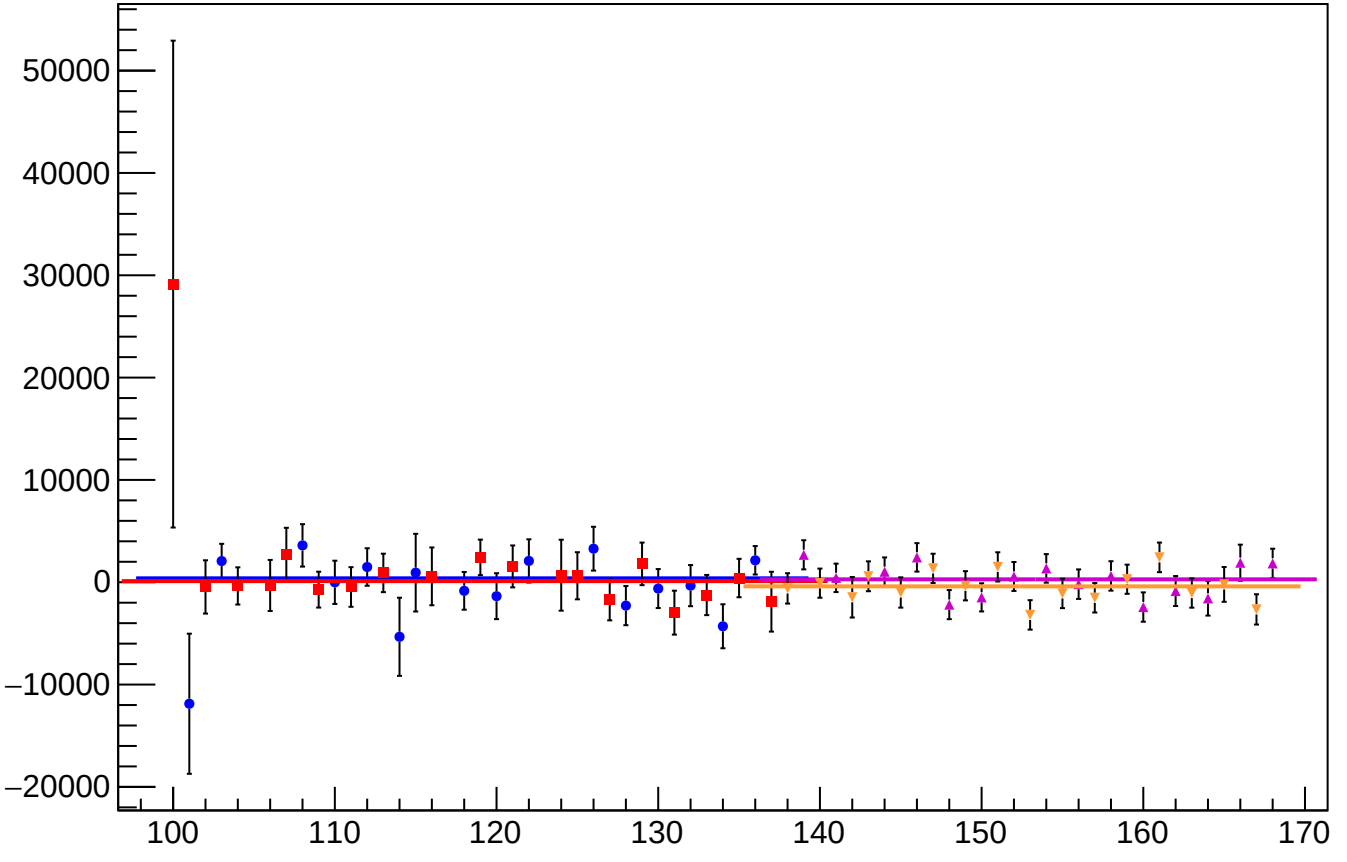
Left In: 636.407+/-0.130 χ^2/NDF:804741.8/14

+ sign 654.593+/-0.109 χ^2/NDF: 3102398.3/31

All: 674.927+/-0.079 χ^2/NDF: 5885296.7/65

- sign 697.919+/-0.116 χ^2/NDF: 2708362.2/33

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -402.712+/-369.953 χ^2/NDF:15.4/15

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

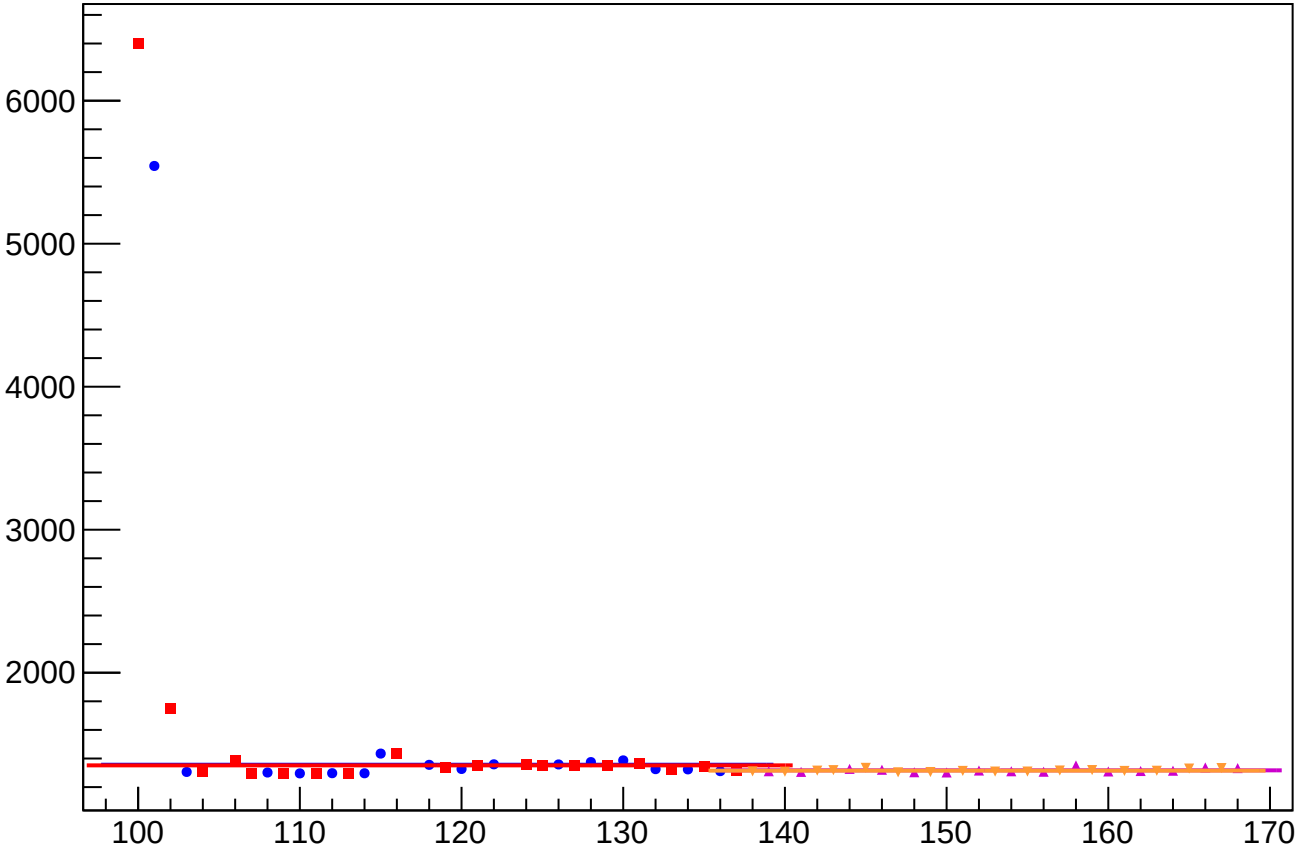
Left In: 283.403+/-373.913 χ^2/NDF:18.4/14

+ sign -137.606+/-301.015 χ^2/NDF: 38.5/31

All: 42.661+/-212.497 χ^2/NDF: 67.6/65

- sign 221.738+/-300.019 χ^2/NDF: 28.5/33

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1315.255+/-0.262 χ^2/NDF:1205.9/15

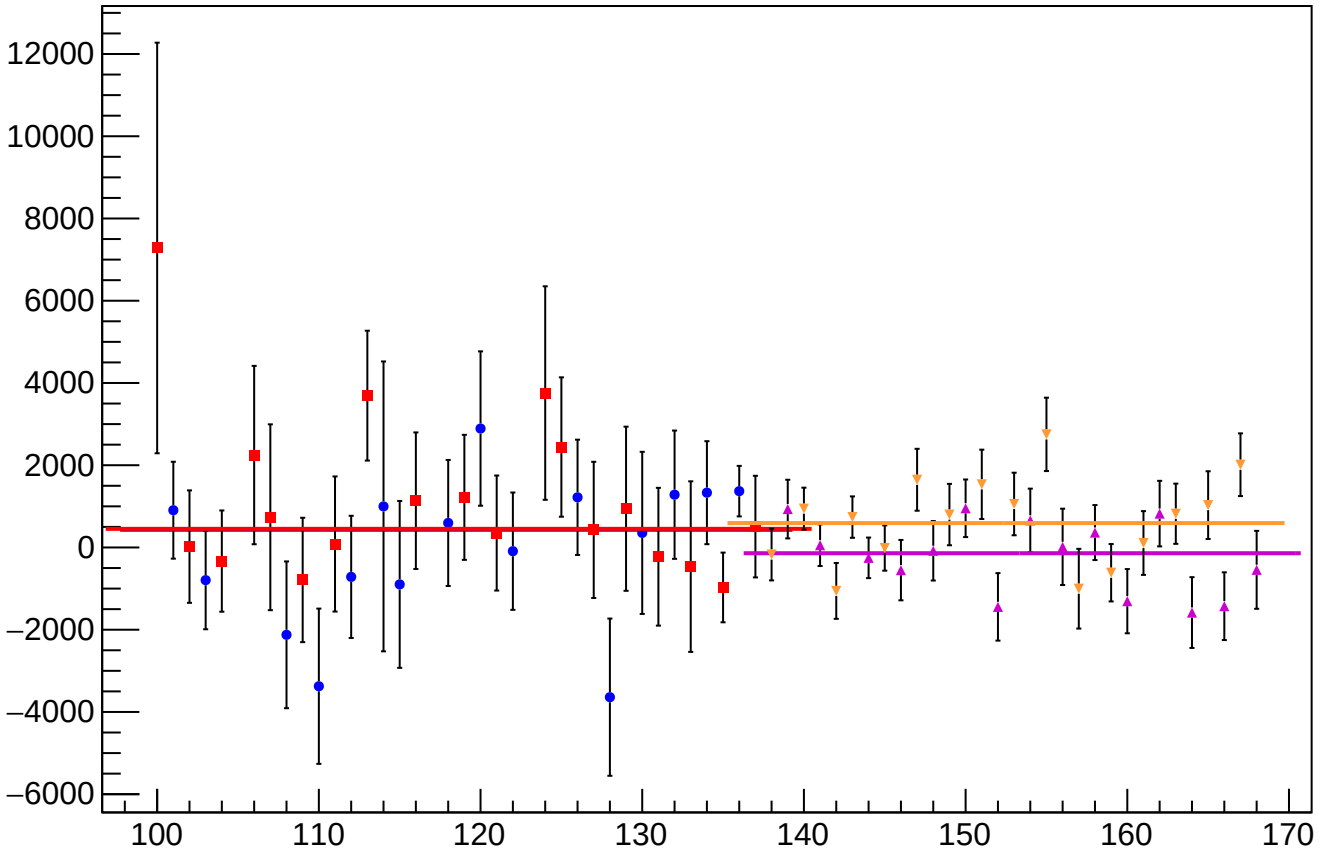
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1317.317+/-0.264 χ^2/NDF:2518.3/14

+ sign 1329.160+/-0.213 χ^2/NDF: 769830.6/31

All: 1329.431+/-0.150 χ^2/NDF: 925837.5/65

- sign 1329.700+/-0.212 χ^2/NDF: 156003.6/33



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 593.445+/-172.591 χ^2/NDF:28.6/15

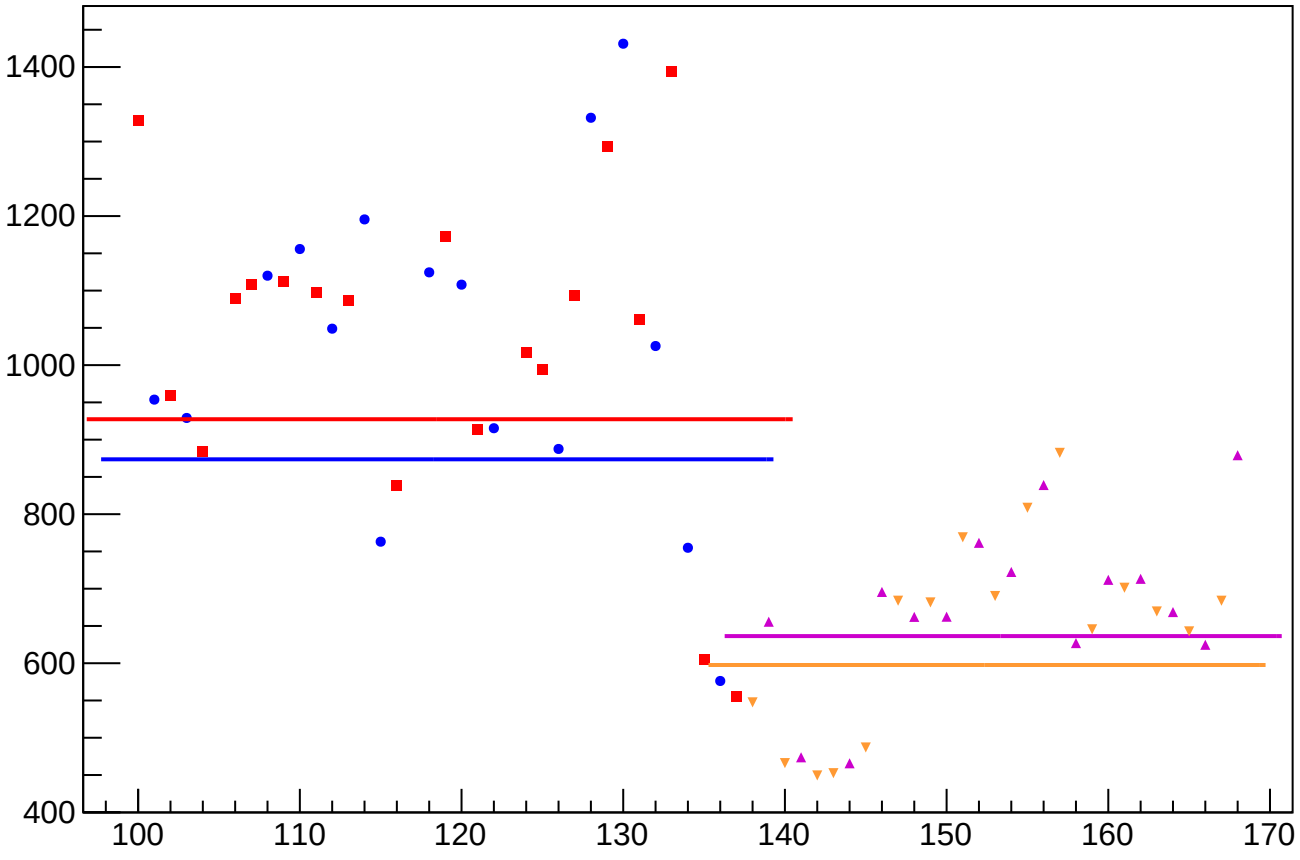
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -139.702+/-184.102 χ^2/NDF:18.5/14

+ sign 560.147+/-153.749 χ^2/NDF: 47.0/31

All: 290.496+/-112.003 χ^2/NDF: 89.0/65

- sign -14.408+/-163.491 χ^2/NDF: 35.4/33



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 597.624+/-0.122 χ^2/NDF:1032359.2/15

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

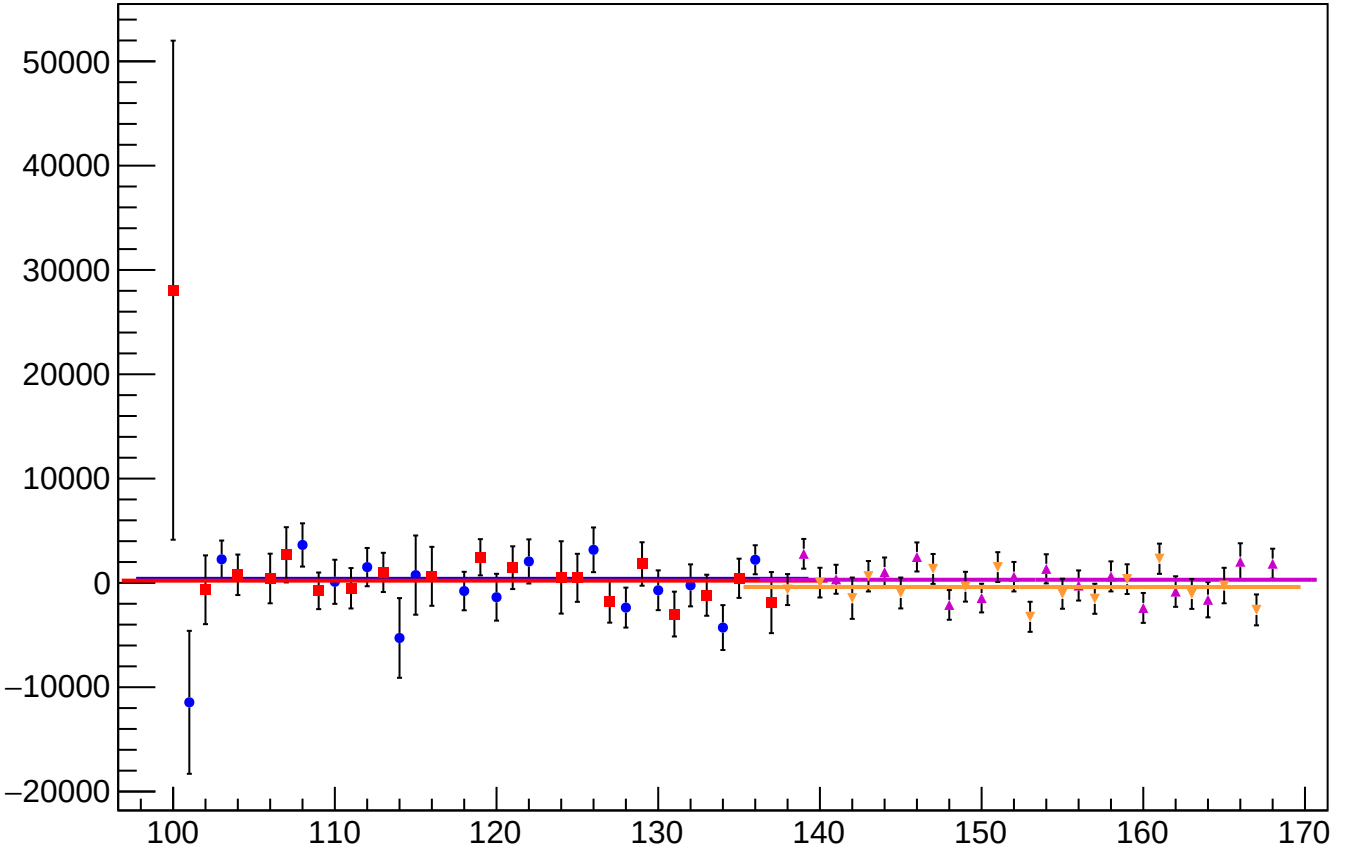
Left In: 636.407+/-0.130 χ^2/NDF:804741.8/14

+ sign 654.593+/-0.109 χ^2/NDF: 3102398.3/31

All: 674.927+/-0.079 χ^2/NDF: 5885296.7/65

- sign 697.919+/-0.116 χ^2/NDF: 2708362.2/33

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -394.458+/-370.249 χ^2/NDF:15.2/15

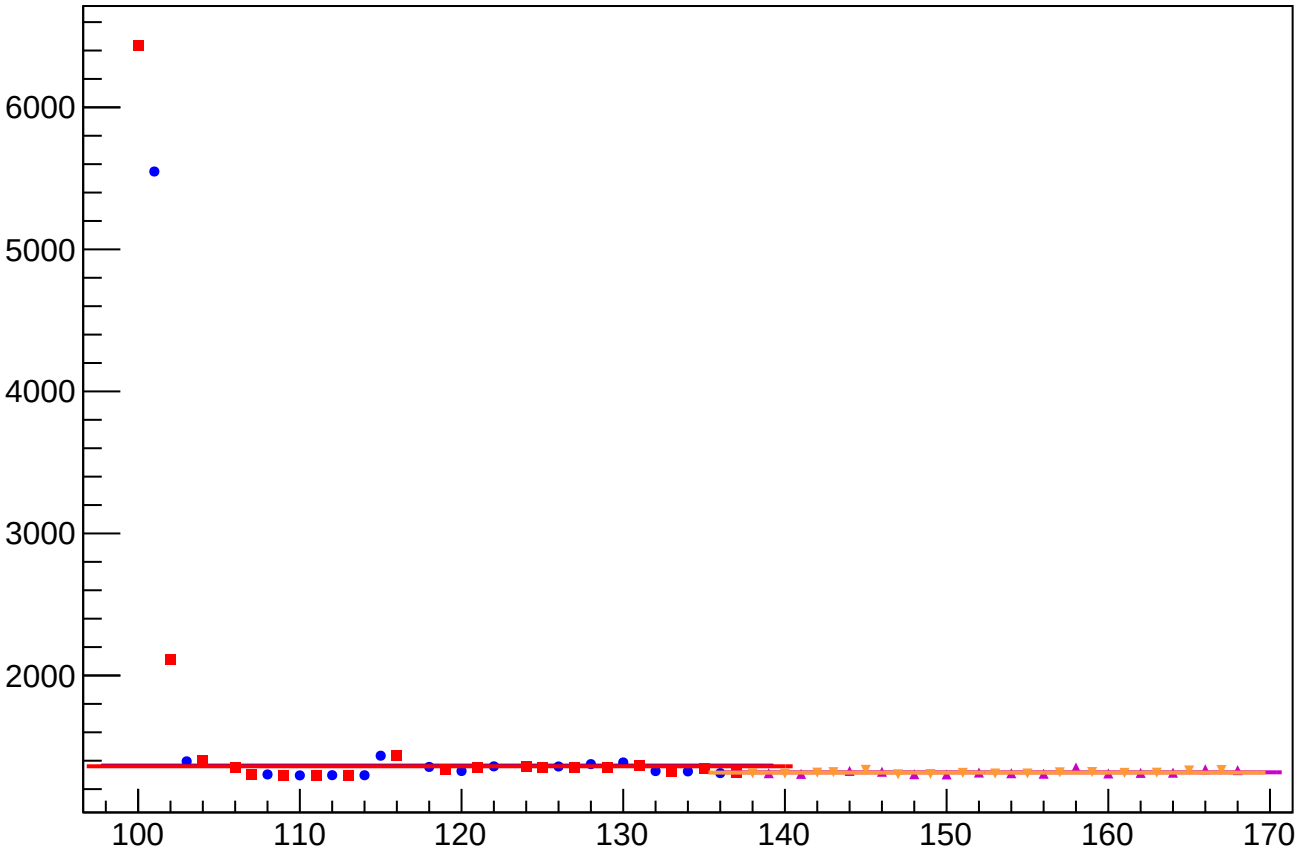
Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: 301.811+/-374.198 χ^2/NDF:18.6/14

+ sign -131.350+/-301.833 χ^2/NDF: 38.1/31

All: 70.898+/-213.228 χ^2/NDF: 67.7/65

- sign 272.390+/-301.268 χ^2/NDF: 28.6/33



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1316.308+/-0.262 χ^2/NDF:1221.8/15

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

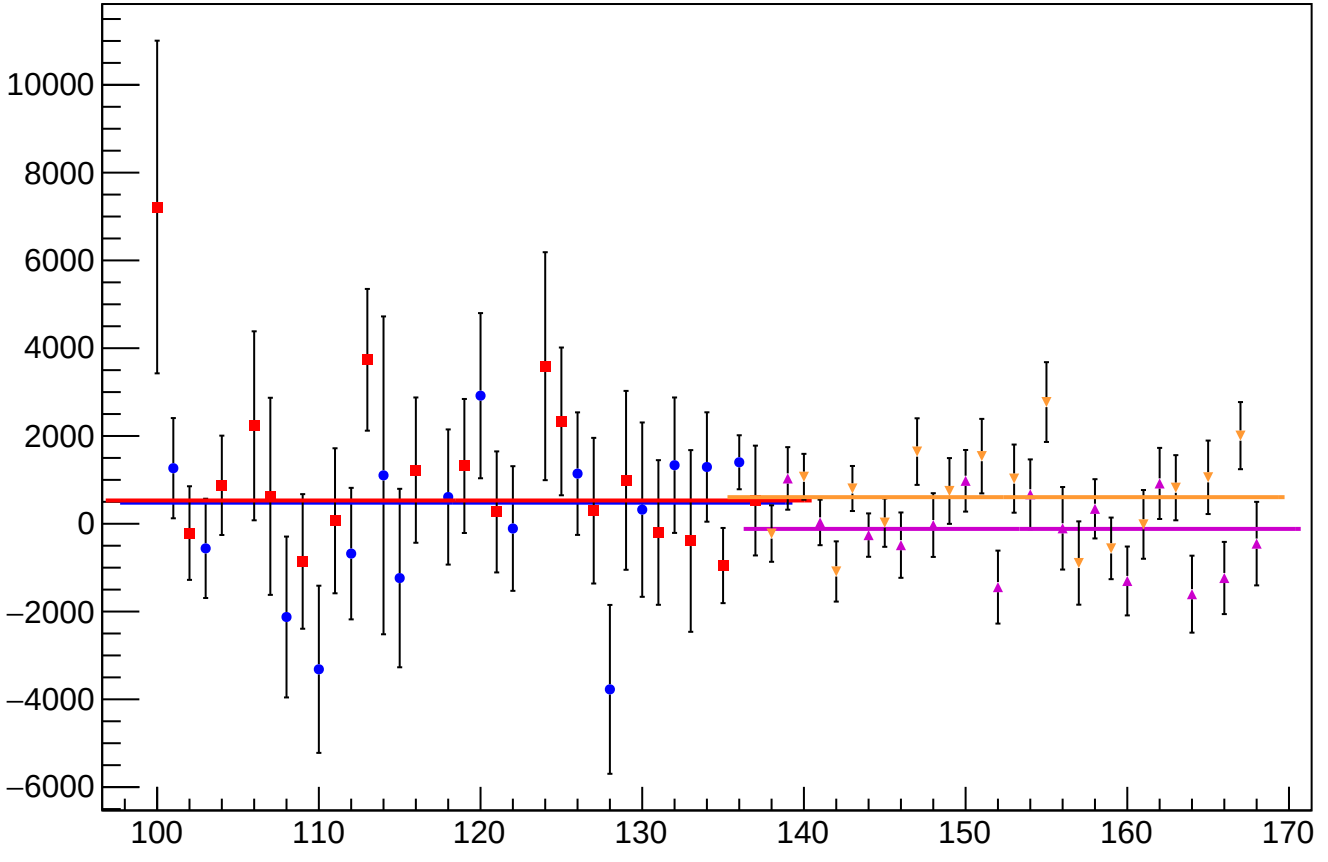
Left In: 1318.319+/-0.265 χ^2/NDF:2547.1/14

+ sign 1332.742+/-0.213 χ^2/NDF: 771913.4/31

All: 1332.998+/-0.151 χ^2/NDF: 988834.2/65

- sign 1333.254+/-0.213 χ^2/NDF: 216917.9/33

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 606.211+/-174.605 χ^2/NDF:28.5/15

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

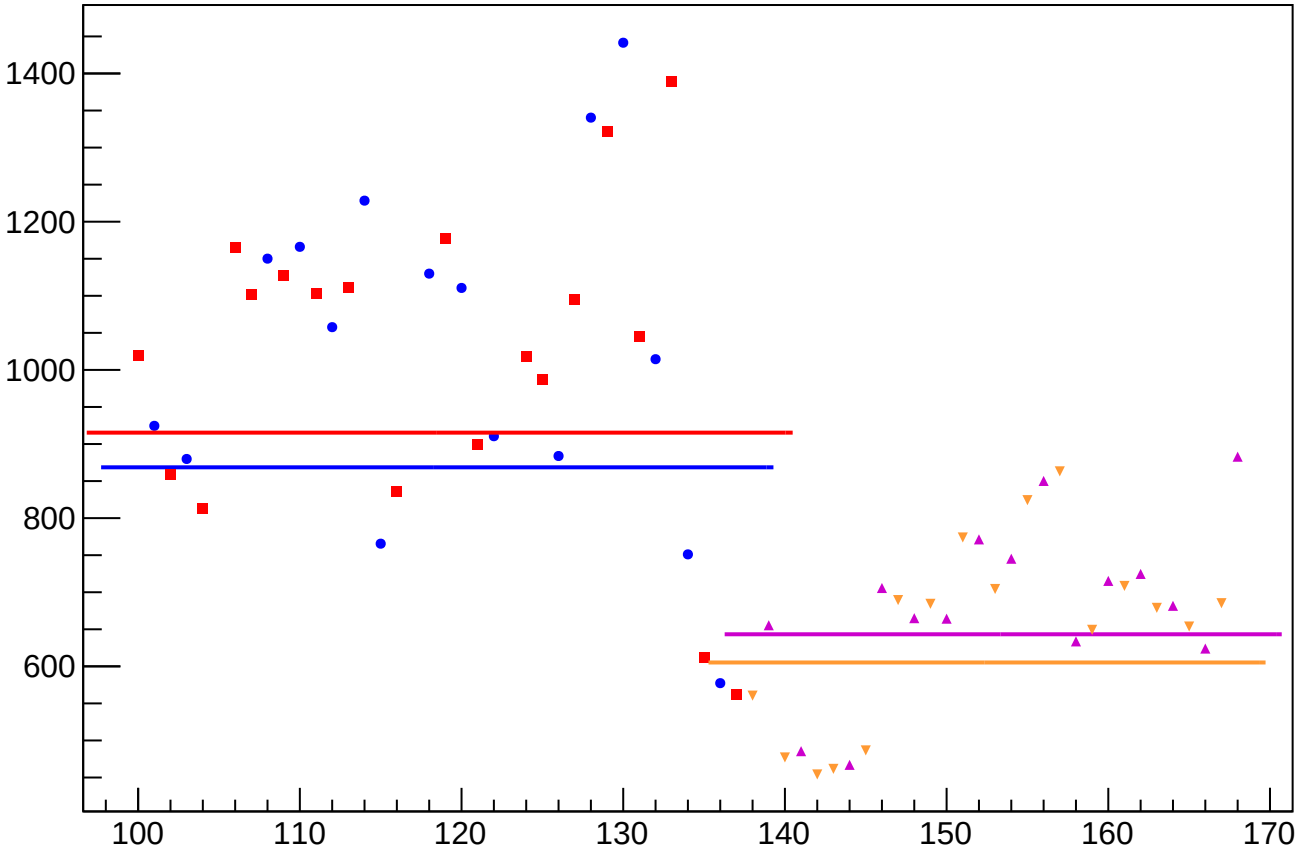
Left In: -117.089+/-186.032 χ^2/NDF:18.2/14

+ sign 579.526+/-154.985 χ^2/NDF: 47.2/31

All: 319.141+/-112.598 χ^2/NDF: 89.8/65

- sign 28.075+/-163.861 χ^2/NDF: 36.6/33

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 605.219+/-0.123 χ^2/NDF:989703.5/15

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

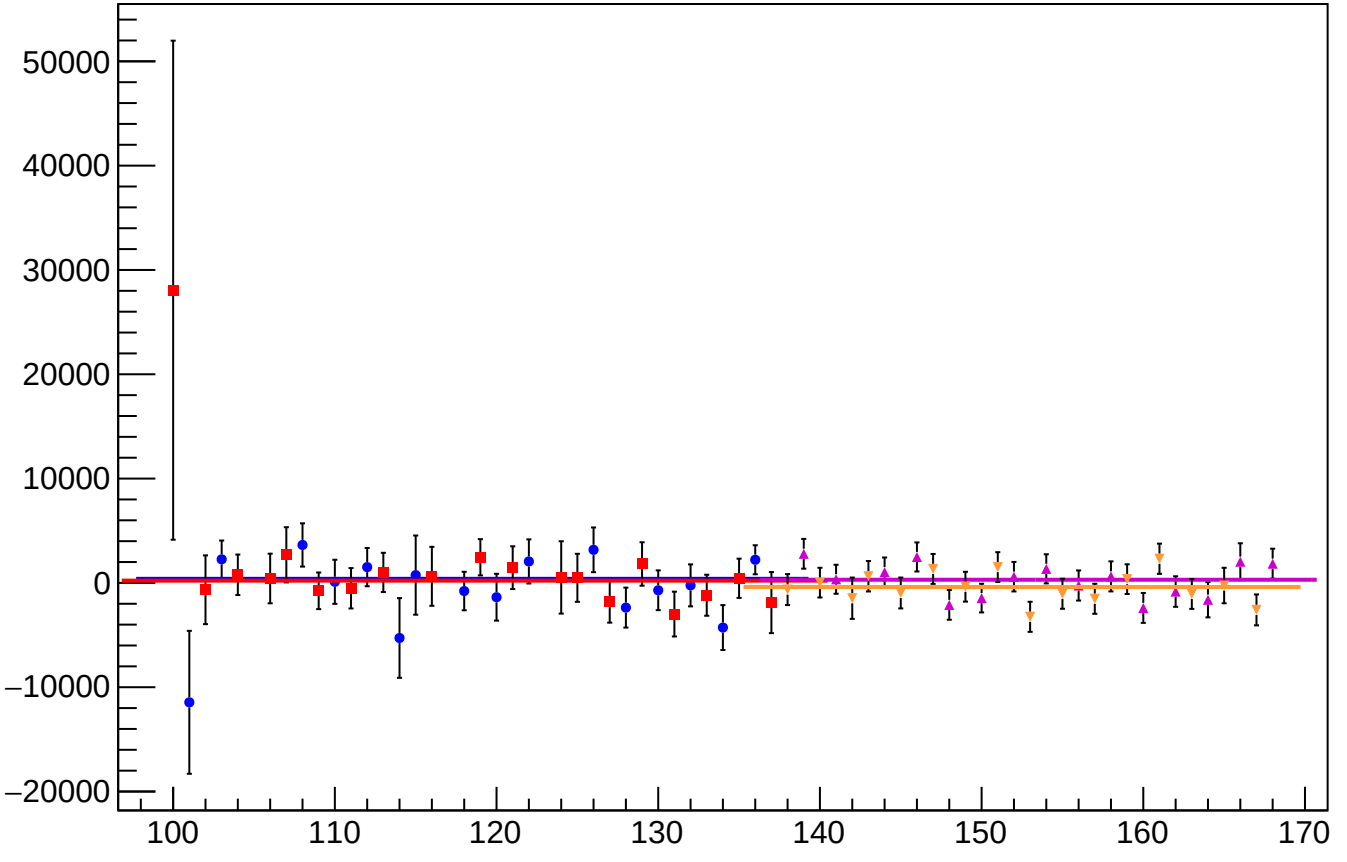
Left In: 643.283+/-0.132 χ^2/NDF:803720.8/14

+ sign 661.078+/-0.110 χ^2/NDF: 2976090.9/31

All: 681.472+/-0.080 χ^2/NDF: 5670965.0/65

- sign 704.269+/-0.116 χ^2/NDF: 2621535.6/33

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -394.460+/-370.249 χ^2/NDF:15.2/15

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

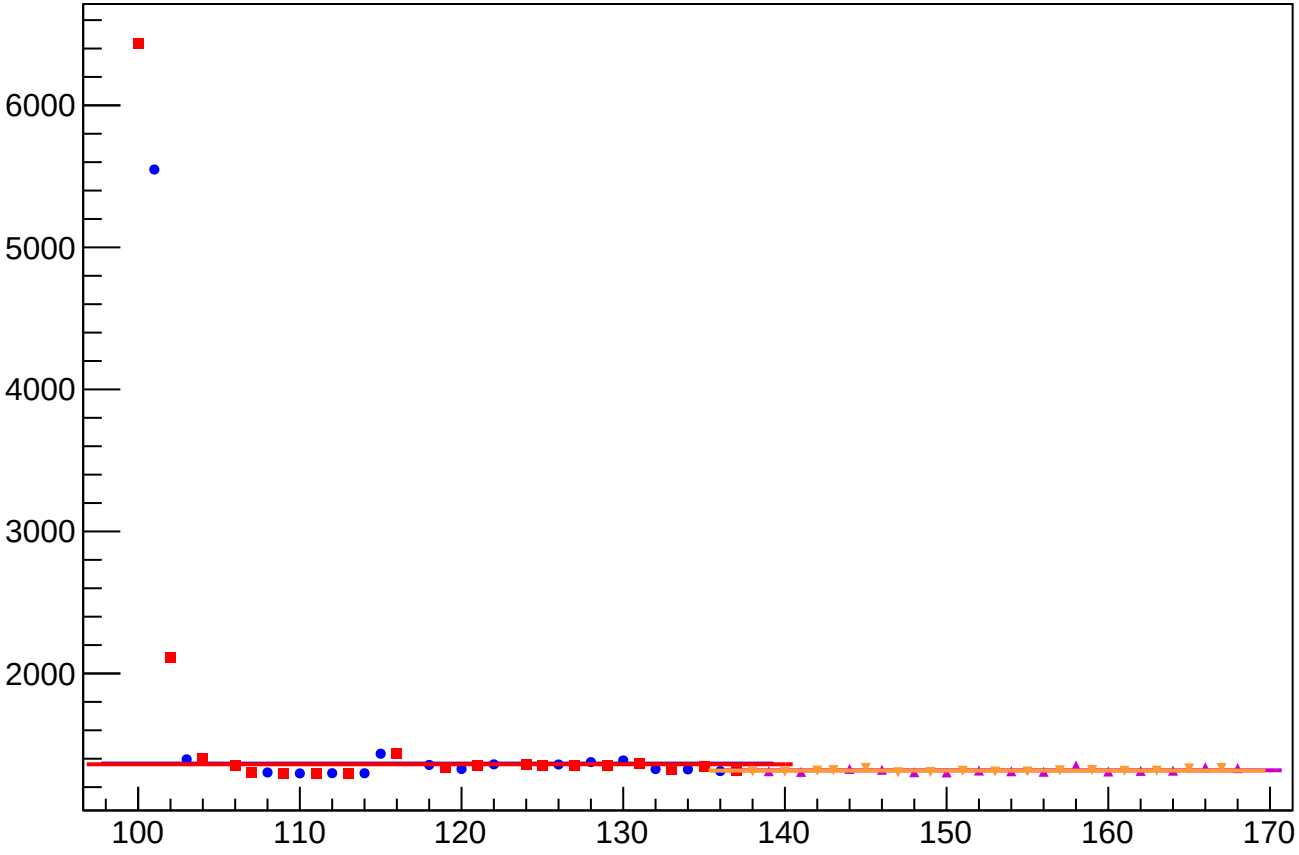
Left In: 301.810+/-374.198 χ^2/NDF:18.6/14

+ sign -131.351+/-301.833 χ^2/NDF: 38.1/31

All: 70.897+/-213.228 χ^2/NDF: 67.7/65

- sign 272.389+/-301.268 χ^2/NDF: 28.6/33

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1316.308+/-0.262 χ^2/NDF:1221.8/15

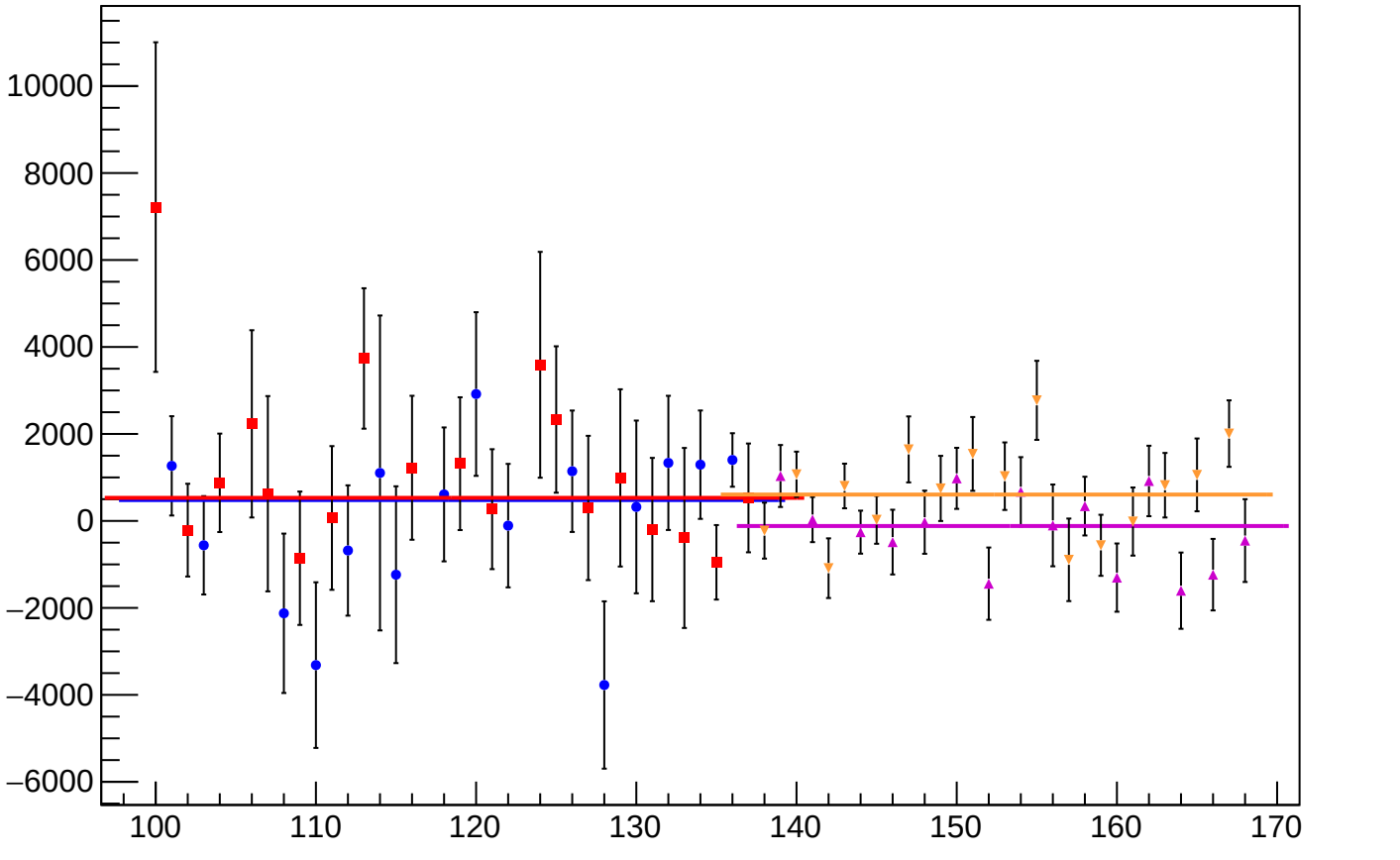
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1318.319+/-0.265 χ^2/NDF:2547.1/14

+ sign 1332.742+/-0.213 χ^2/NDF: 771913.4/31

All: 1332.998+/-0.151 χ^2/NDF: 988834.1/65

- sign 1333.254+/-0.213 χ^2/NDF: 216917.8/33



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 606.211+/-174.605 χ^2/NDF:28.5/15

Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

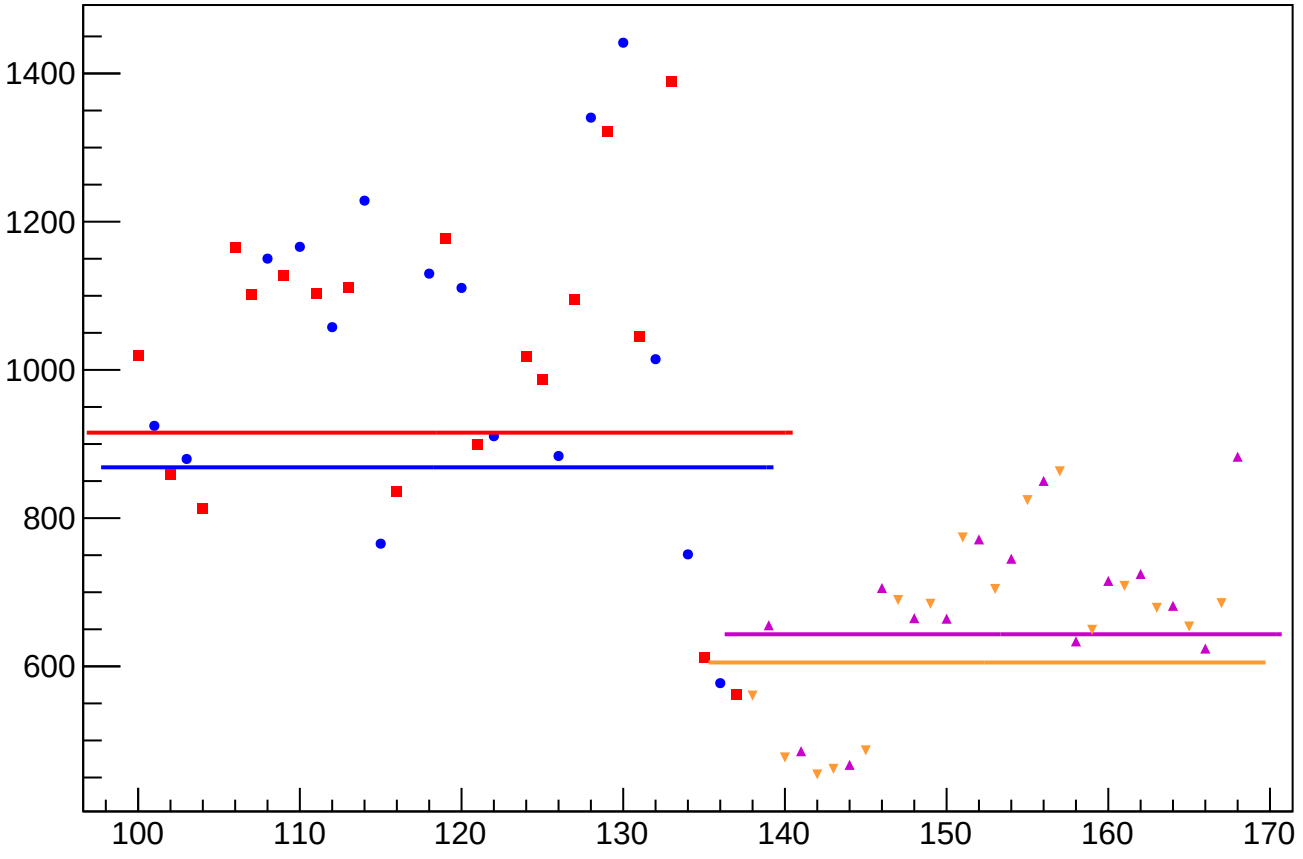
Left In: -117.089+/-186.032 χ^2/NDF:18.2/14

+ sign 579.526+/-154.985 χ^2/NDF: 47.2/31

All: 319.141+/-112.598 χ^2/NDF: 89.8/65

- sign 28.076+/-163.862 χ^2/NDF: 36.6/33

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 605.219+/-0.123 χ^2/NDF:989718.1/15

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

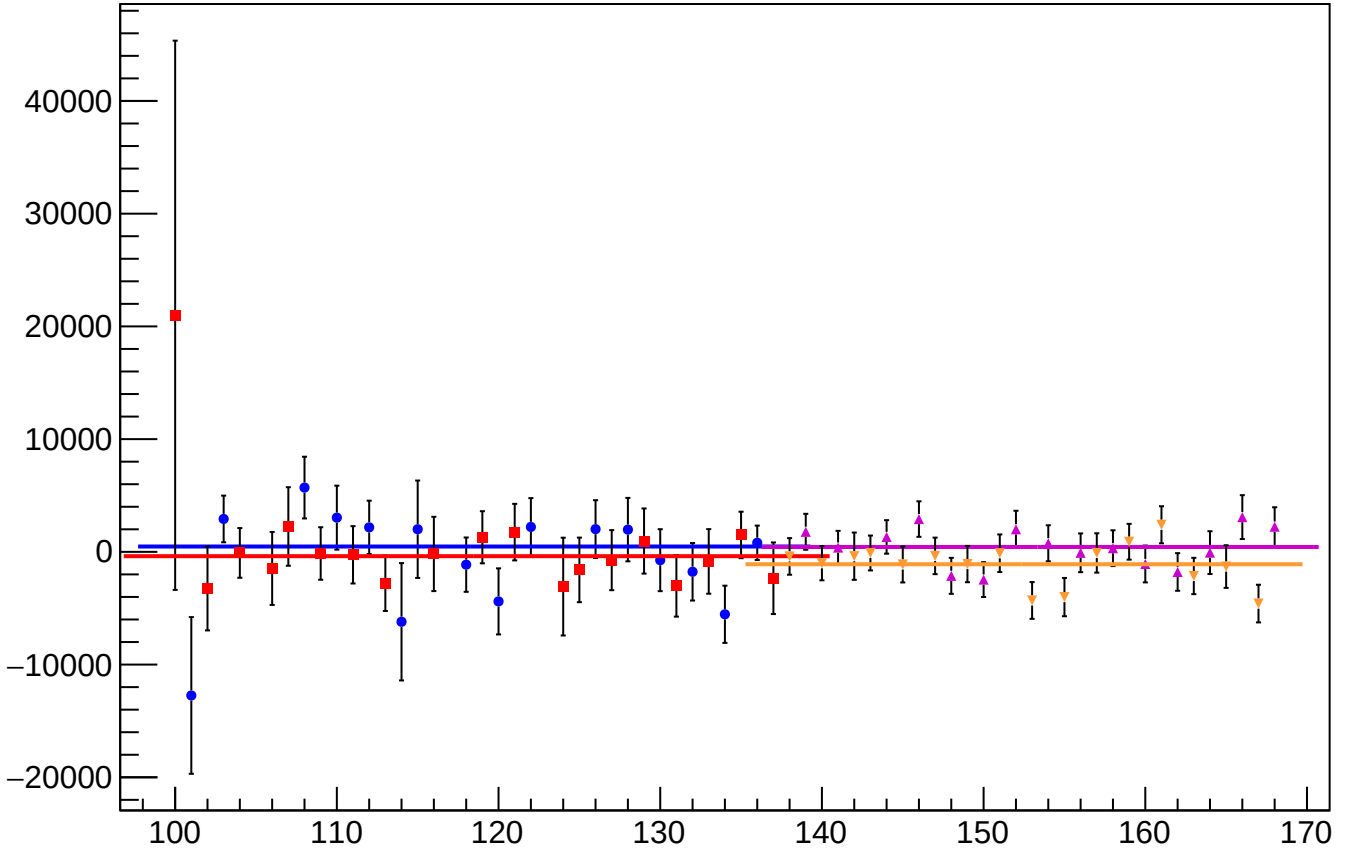
Left In: 643.284+/-0.132 χ^2/NDF:803728.2/14

+ sign 661.078+/-0.110 χ^2/NDF: 2976089.4/31

All: 681.473+/-0.080 χ^2/NDF: 5670955.8/65

- sign 704.270+/-0.116 χ^2/NDF: 2621525.1/33

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -1099.085+/-414.584 χ^2/NDF:19.3/15

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

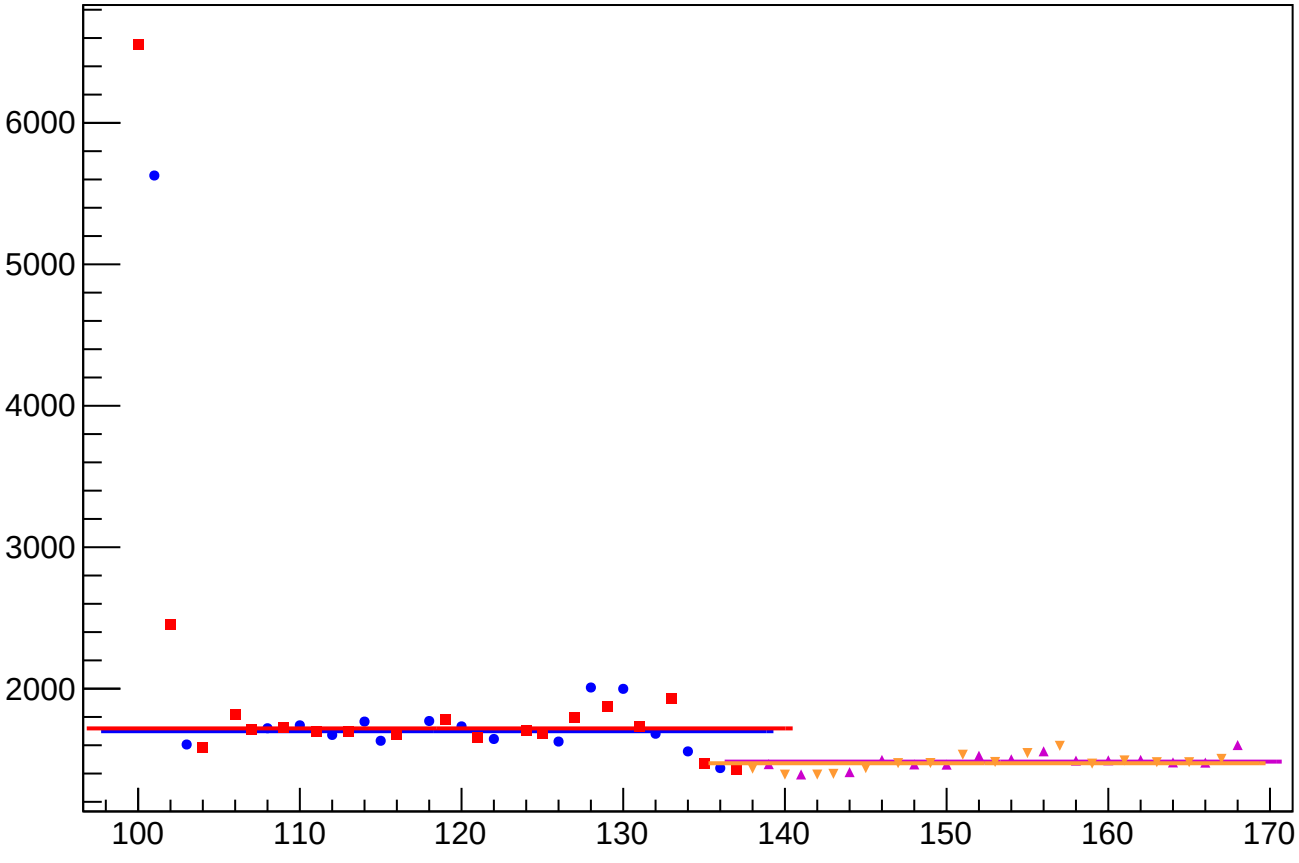
Left In: 432.057+/-421.579 χ^2/NDF:16.3/14

\+ sign -643.581+/-349.419 χ^2/NDF: 46.2/31

All: -232.331+/-248.121 χ^2/NDF: 73.7/65

\- sign 185.948+/-352.392 χ^2/NDF: 24.7/33

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1472.784+/-0.293 χ^2/NDF:32588.1/15

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

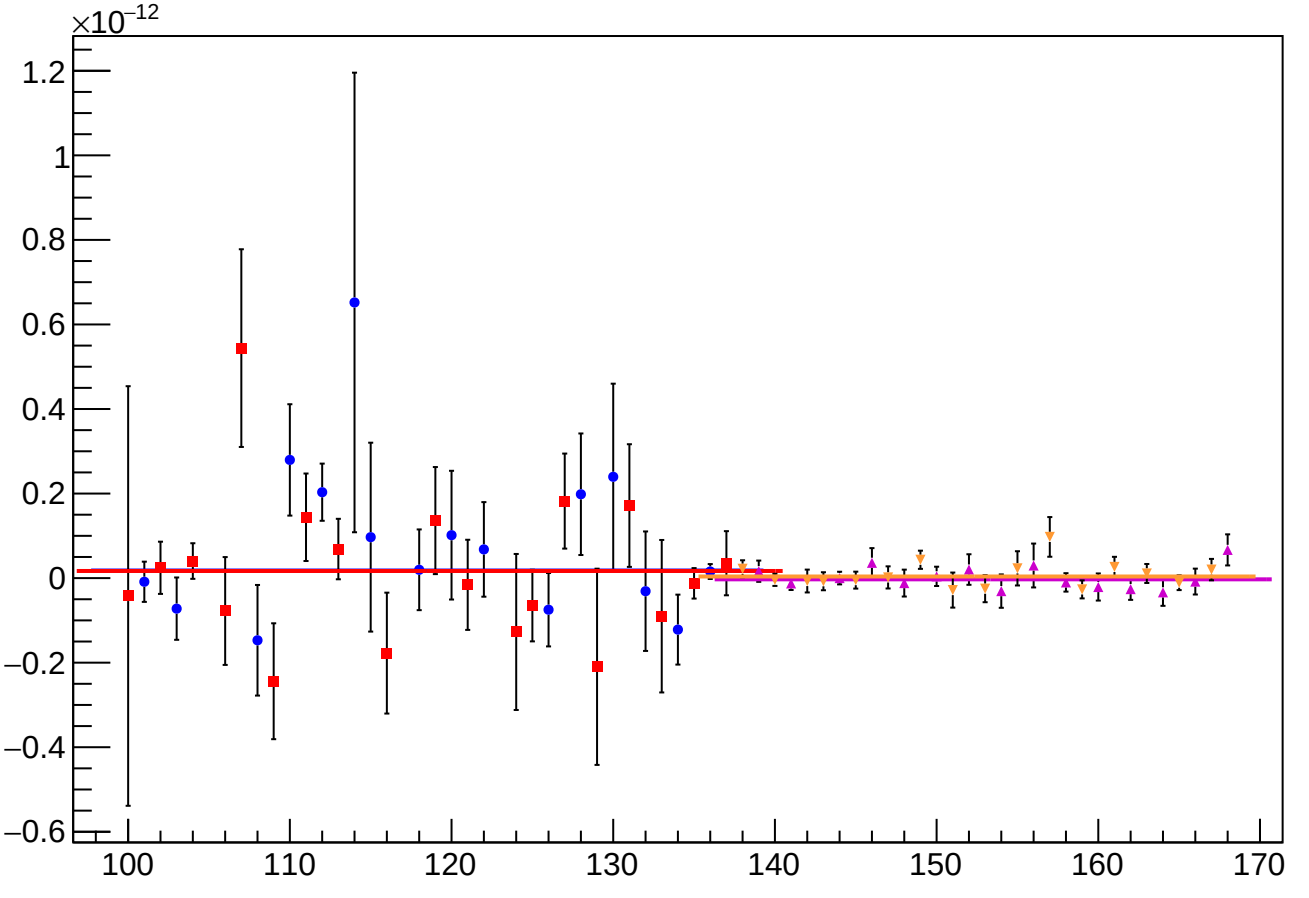
Left In: 1484.321+/-0.298 χ^2/NDF:28127.1/14

+ sign 1538.404+/-0.247 χ^2/NDF: 967666.0/31

All: 1546.661+/-0.175 χ^2/NDF: 1418690.5/65

- sign 1555.059+/-0.249 χ^2/NDF: 448771.7/33

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/15

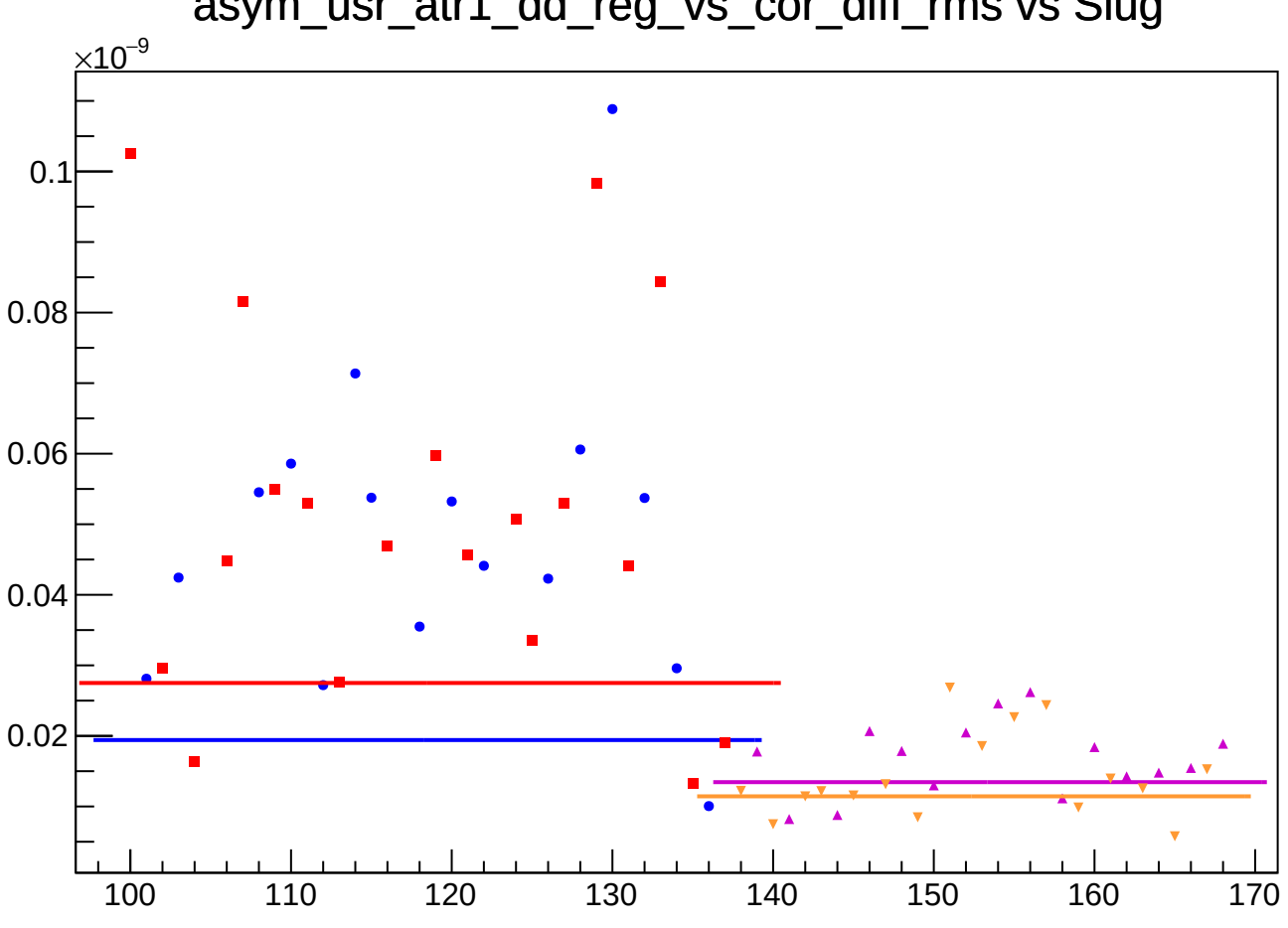
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:9.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 39.3/31

All: 0.000+/-0.000 χ^2/NDF: 71.8/65

- sign -0.000+/-0.000 χ^2/NDF: 31.8/33



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1177093.3/15

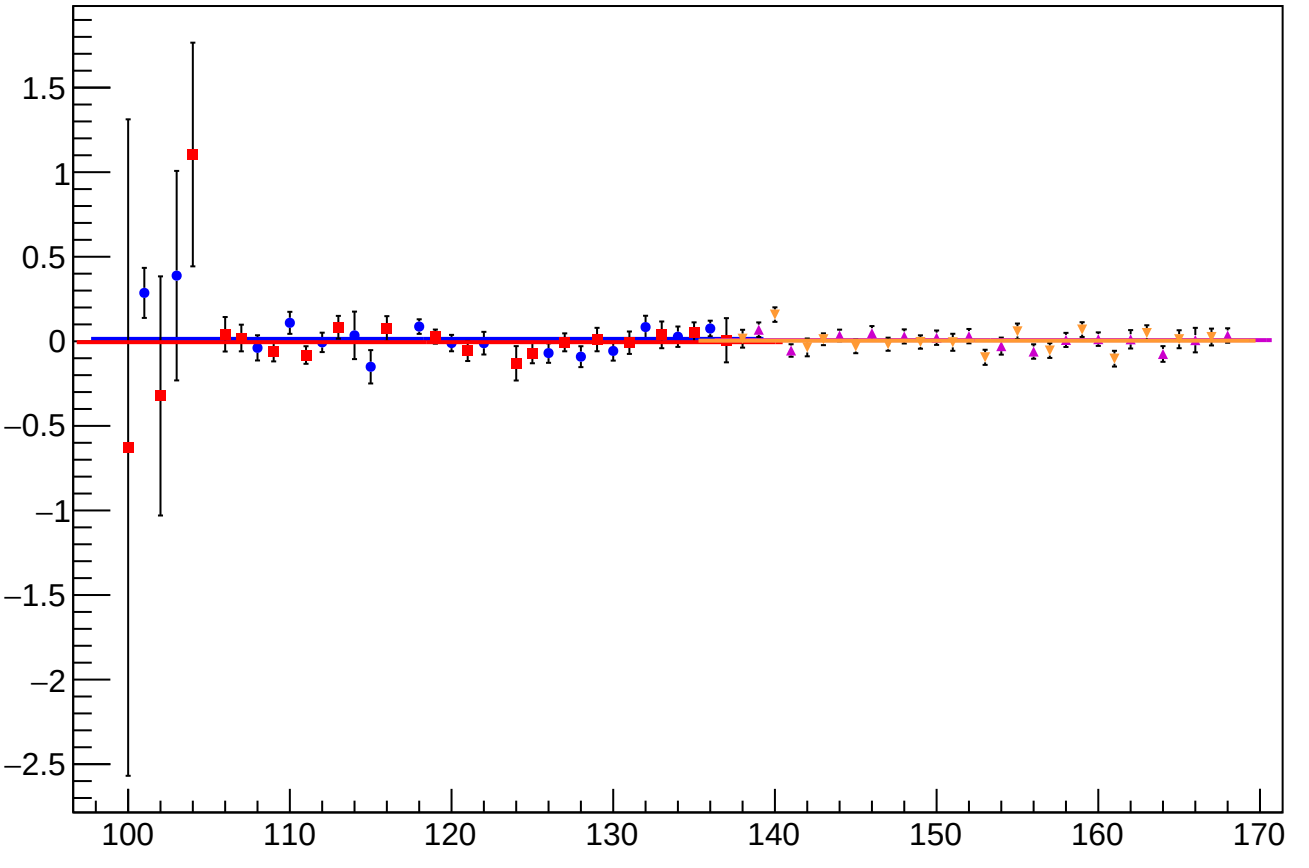
Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1091272.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 3983232.7/31

All: 0.000+/-0.000 χ^2/NDF: 7864496.5/65

- sign 0.000+/-0.000 χ^2/NDF: 3709222.7/33



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.011 χ^2/NDF:31.3/15

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

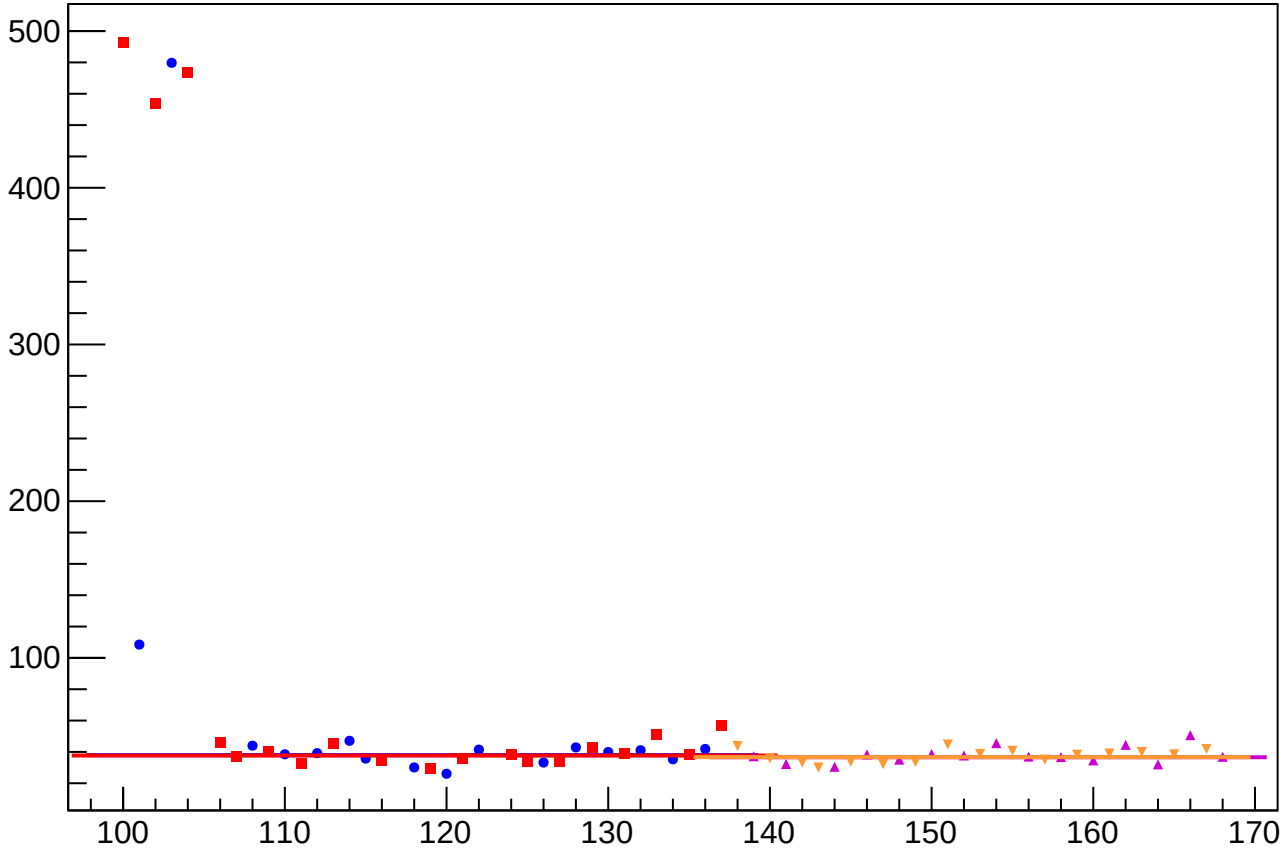
Left In: 0.007+/-0.011 χ^2/NDF:13.6/14

+ sign 0.007+/-0.009 χ^2/NDF: 53.6/31

All: 0.005+/-0.006 χ^2/NDF: 82.6/65

- sign 0.003+/-0.009 χ^2/NDF: 28.8/33

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: 36.663+/-0.008 χ^2/NDF:283433.4/15

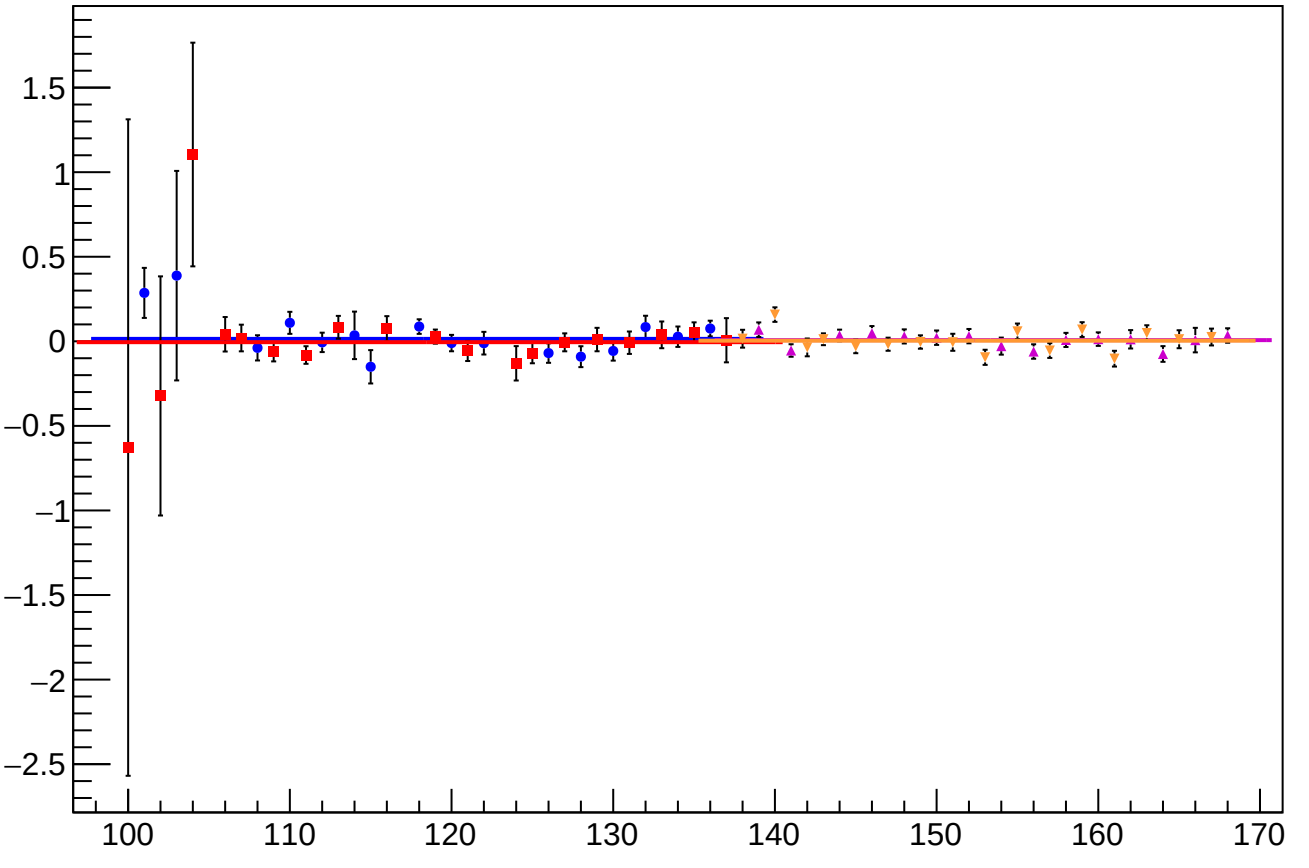
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.608+/-0.008 χ^2/NDF:308149.2/14

+ sign 37.082+/-0.006 χ^2/NDF: 2031775.0/31

All: 37.023+/-0.005 χ^2/NDF: 4291170.9/65

- sign 36.963+/-0.006 χ^2/NDF: 2259226.0/33



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.011 χ^2/NDF:31.3/15

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

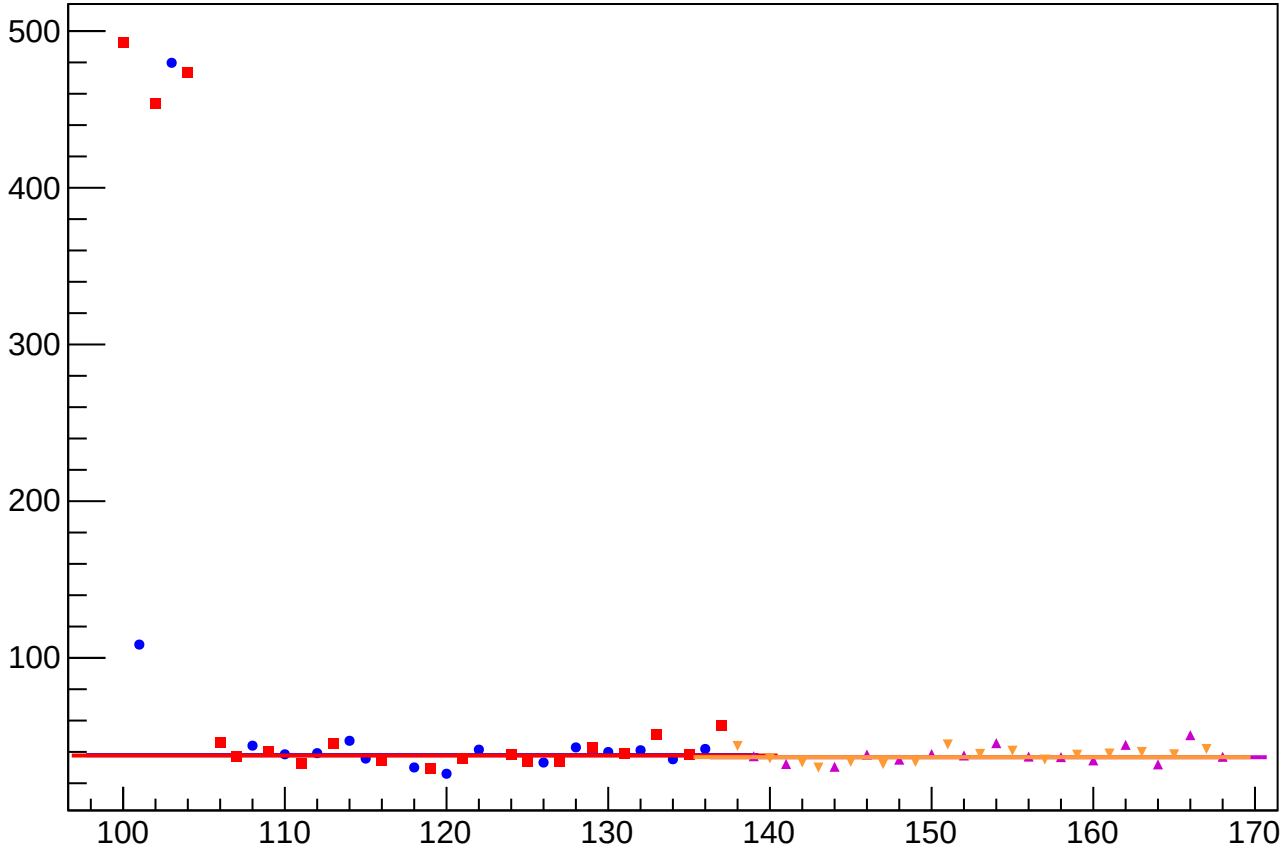
Left In: 0.007+/-0.011 χ^2/NDF:13.6/14

+ sign 0.007+/-0.009 χ^2/NDF: 53.6/31

All: 0.005+/-0.006 χ^2/NDF: 82.6/65

- sign 0.003+/-0.009 χ^2/NDF: 28.8/33

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.663+/-0.008 χ^2/NDF:283433.4/15

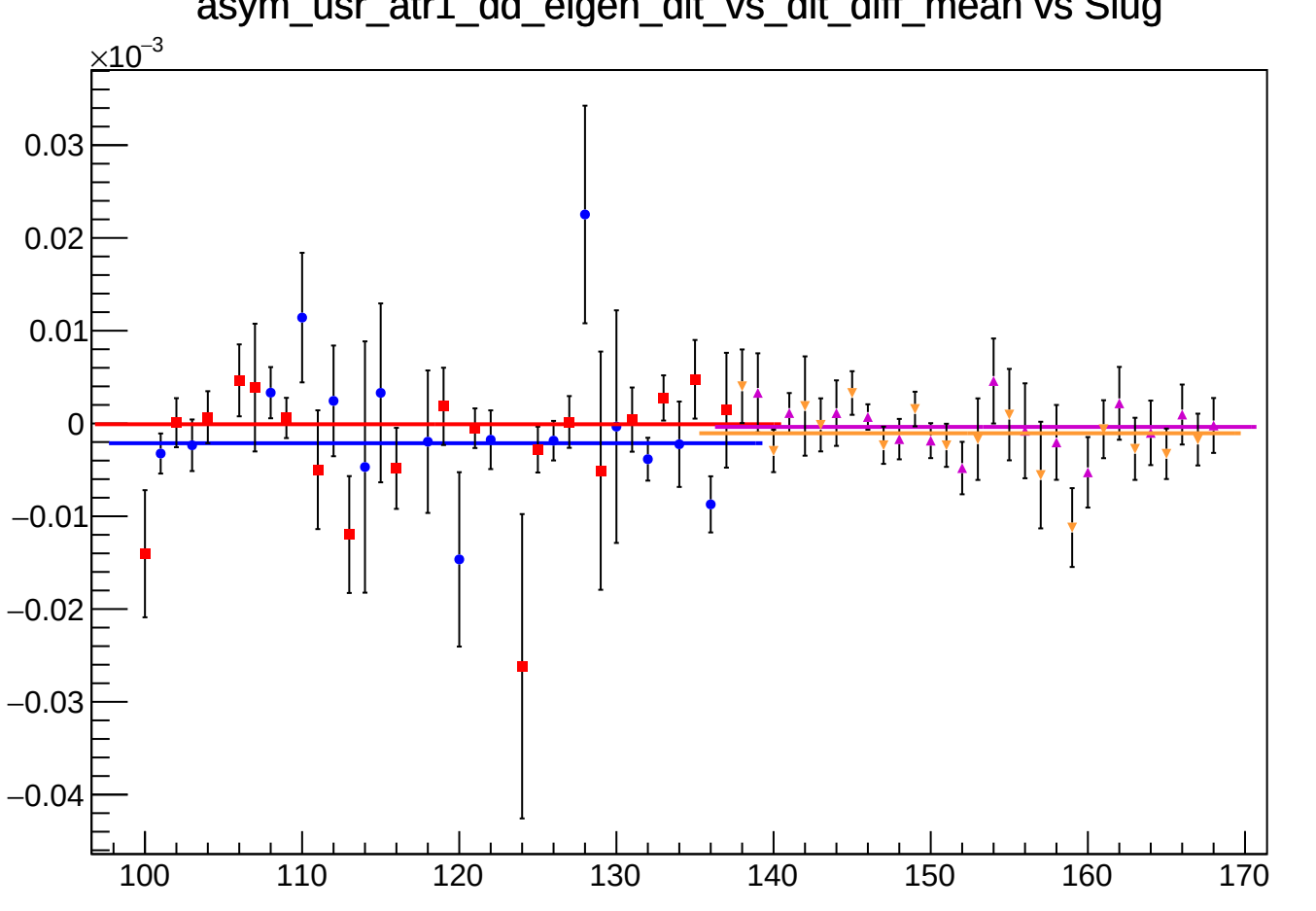
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.608+/-0.008 χ^2/NDF:308149.2/14

+ sign 37.082+/-0.006 χ^2/NDF: 2031775.0/31

All: 37.023+/-0.005 χ^2/NDF: 4291170.9/65

- sign 36.963+/-0.006 χ^2/NDF: 2259226.0/33



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/15

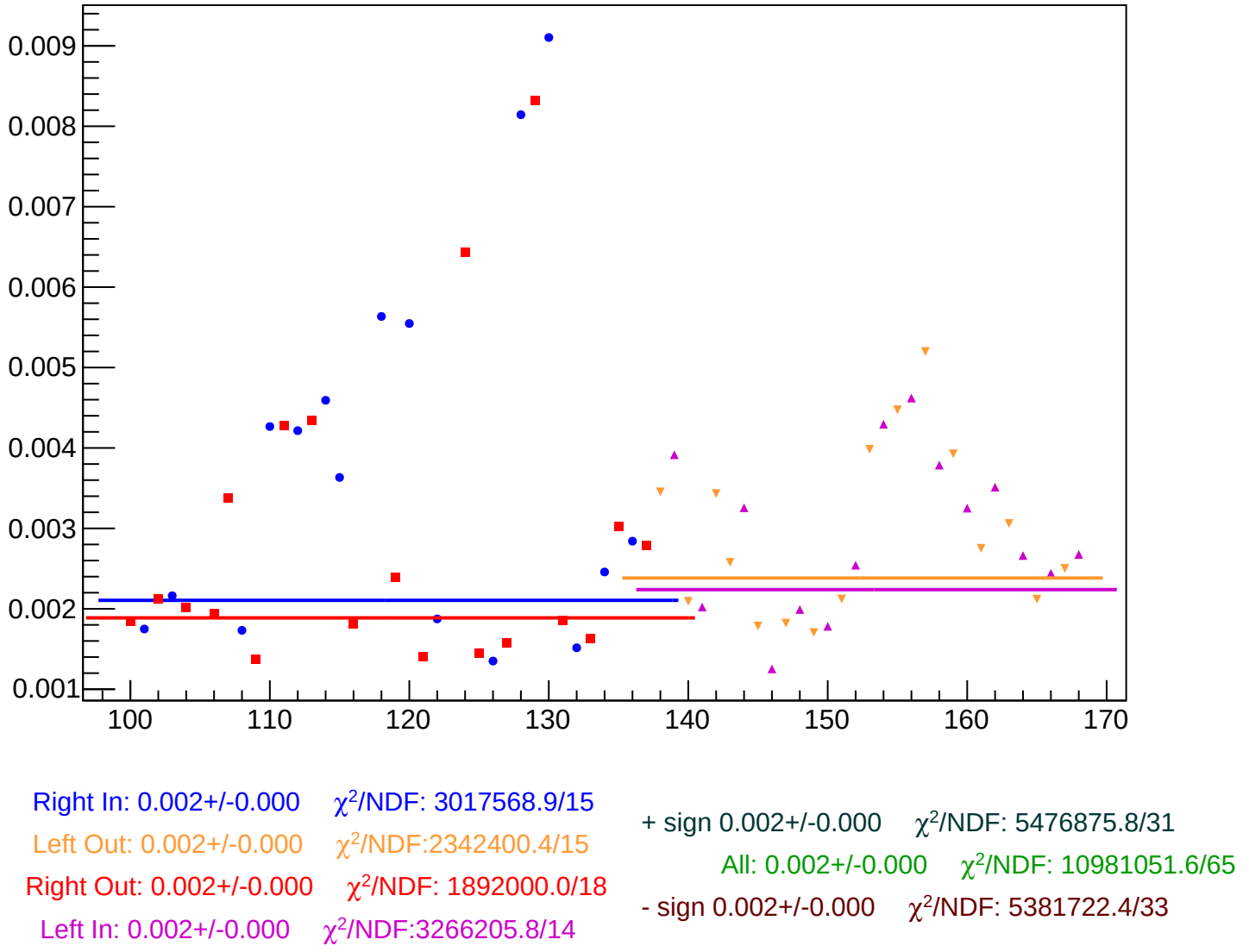
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

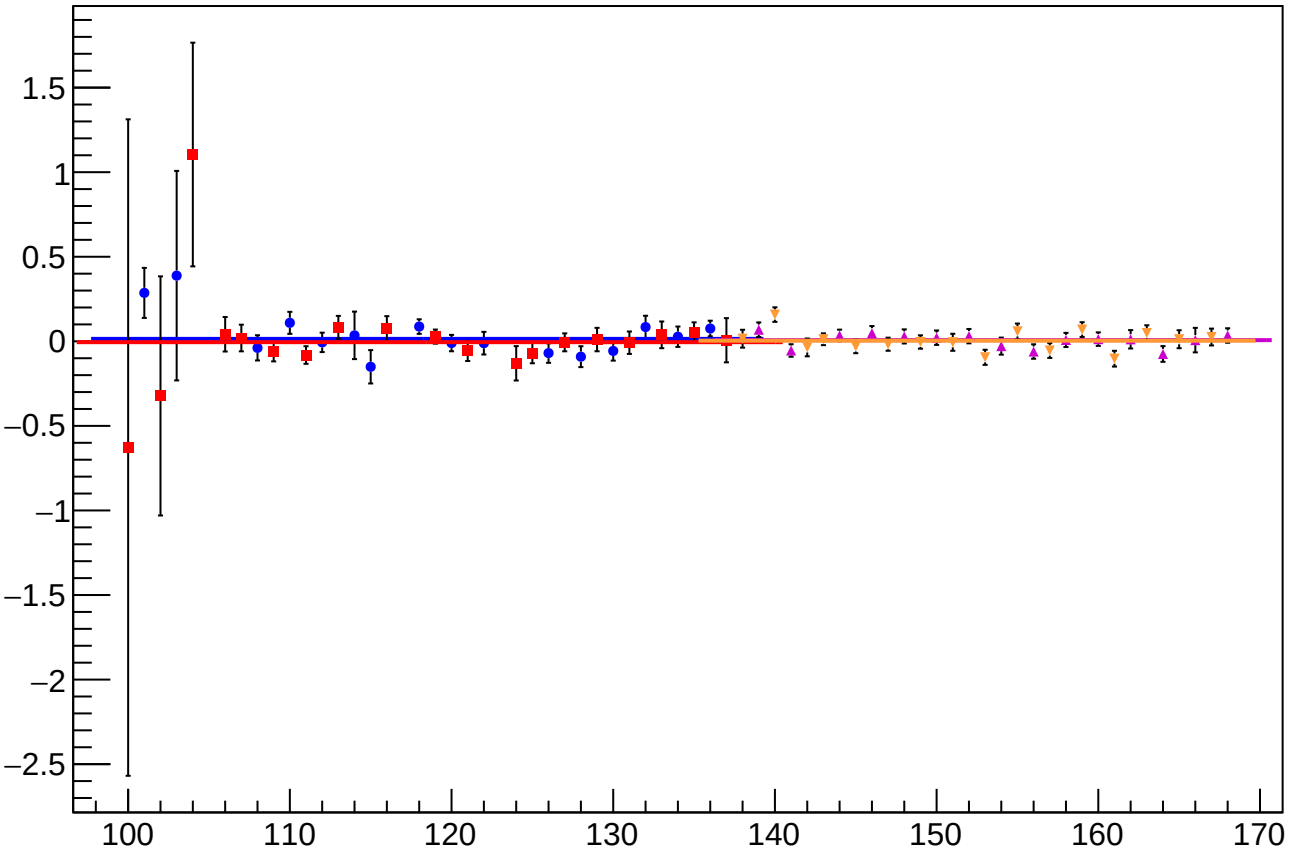
Left In: -0.000+/-0.000 χ^2/NDF:9.1/14

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/31

All: -0.000+/-0.000 χ^2/NDF: 67.7/65

- sign -0.000+/-0.000 χ^2/NDF: 27.5/33


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 3017568.9/15
Left Out: 0.002+/-0.000 χ²/NDF:2342400.4/15
Right Out: 0.002+/-0.000 χ²/NDF: 1892000.0/18
Left In: 0.002+/-0.000 χ²/NDF:3266205.8/14
+ sign 0.002+/-0.000 χ²/NDF: 5476875.8/31
All: 0.002+/-0.000 χ²/NDF: 10981051.6/65
- sign 0.002+/-0.000 χ²/NDF: 5381722.4/33



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.011 χ^2/NDF:31.3/15

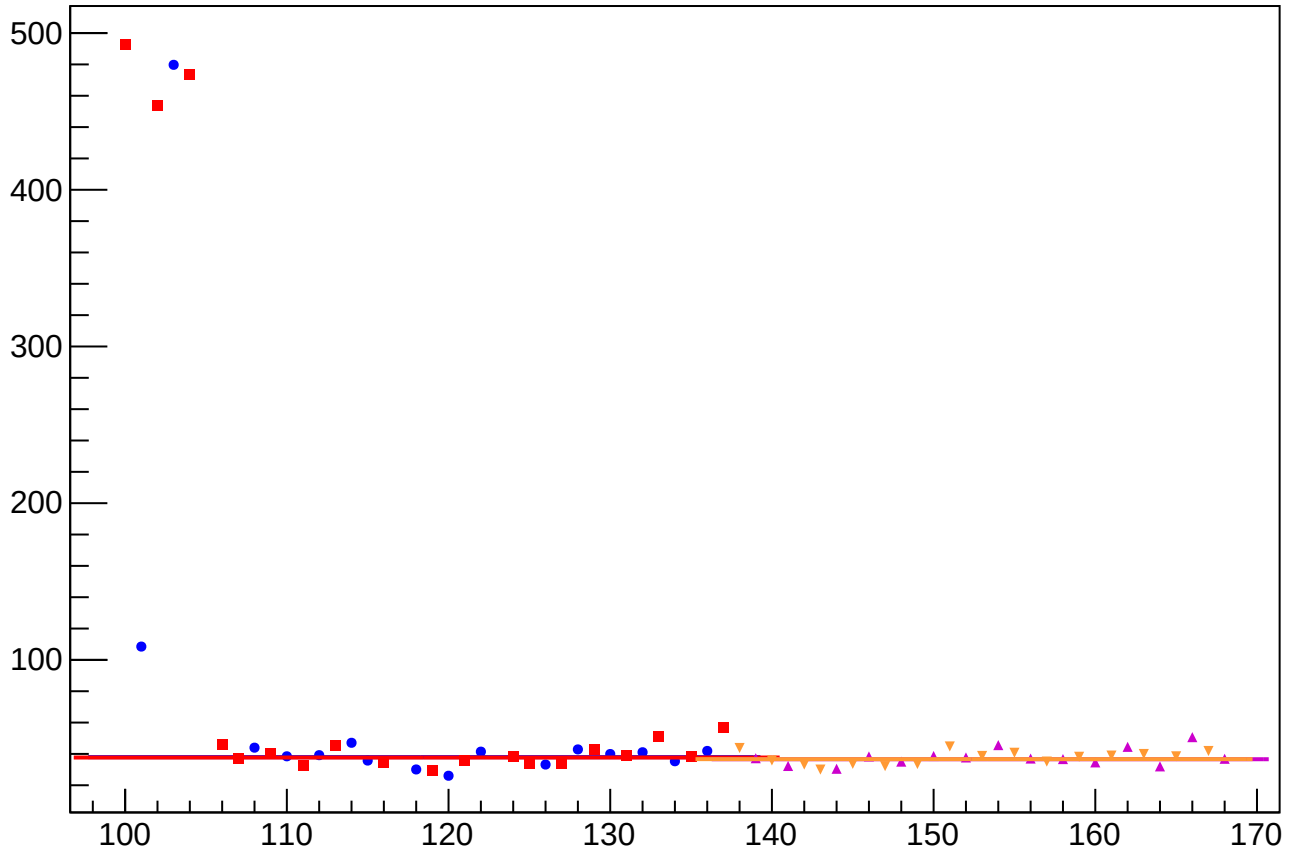
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.007+/-0.011 χ^2/NDF:13.6/14

+ sign 0.007+/-0.009 χ^2/NDF: 53.6/31

All: 0.005+/-0.006 χ^2/NDF: 82.6/65

- sign 0.003+/-0.009 χ^2/NDF: 28.8/33



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.663+/-0.008 χ^2/NDF:283482.7/15

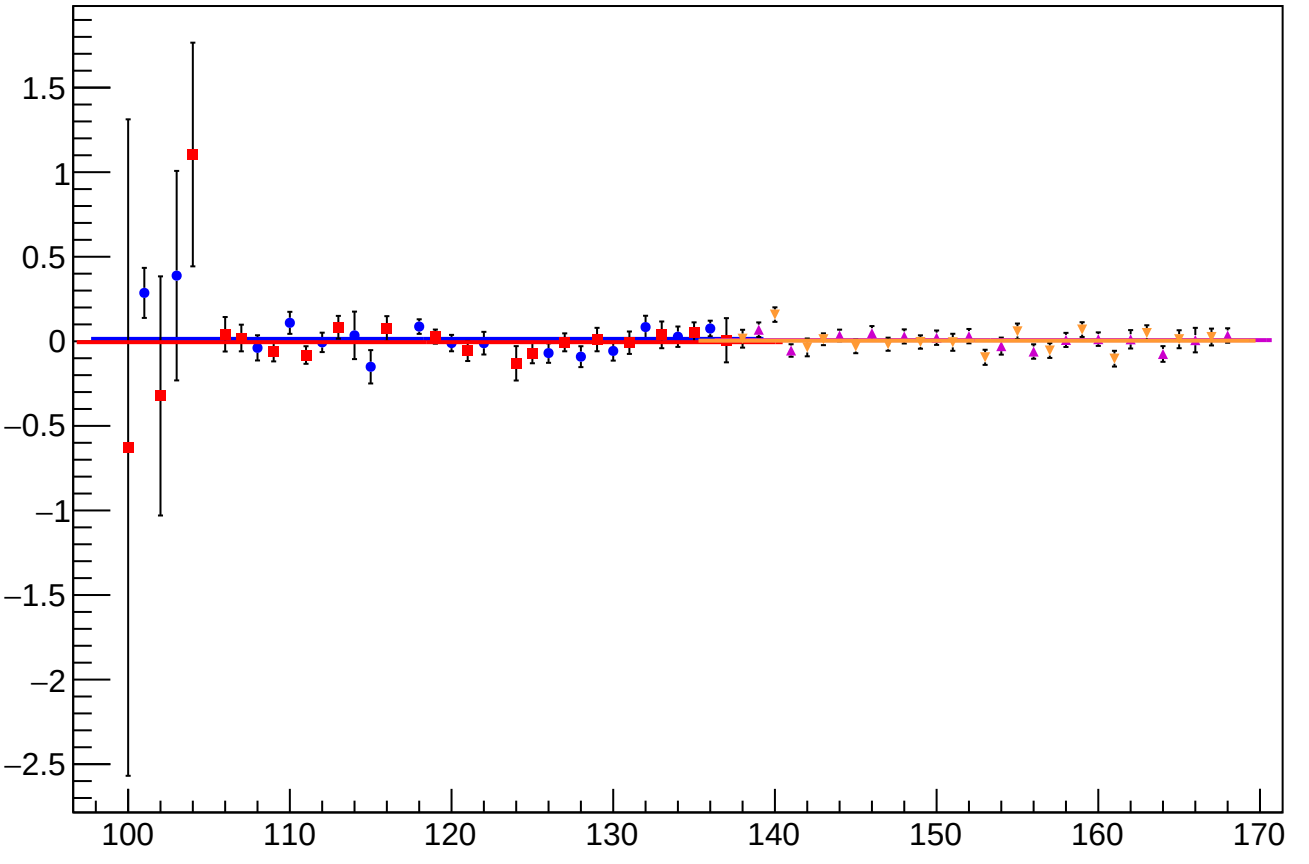
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.607+/-0.008 χ^2/NDF:308184.9/14

+ sign 37.082+/-0.006 χ^2/NDF: 2031830.5/31

All: 37.022+/-0.005 χ^2/NDF: 4291331.1/65

- sign 36.962+/-0.006 χ^2/NDF: 2259329.5/33



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.011 χ^2/NDF:31.3/15

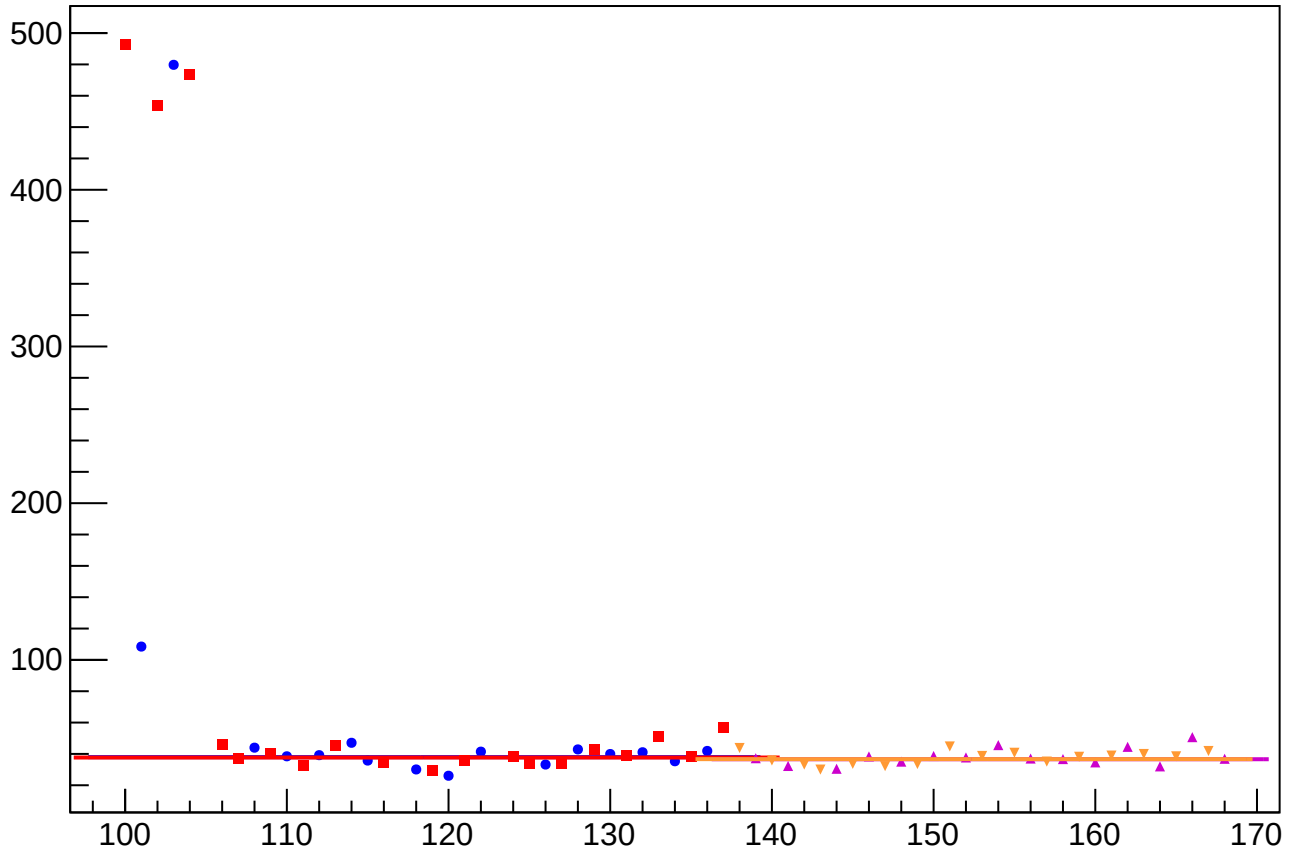
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.007+/-0.011 χ^2/NDF:13.6/14

+ sign 0.007+/-0.009 χ^2/NDF: 53.6/31

All: 0.005+/-0.006 χ^2/NDF: 82.6/65

- sign 0.003+/-0.009 χ^2/NDF: 28.8/33



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.663+/-0.008 χ^2/NDF:283482.7/15

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

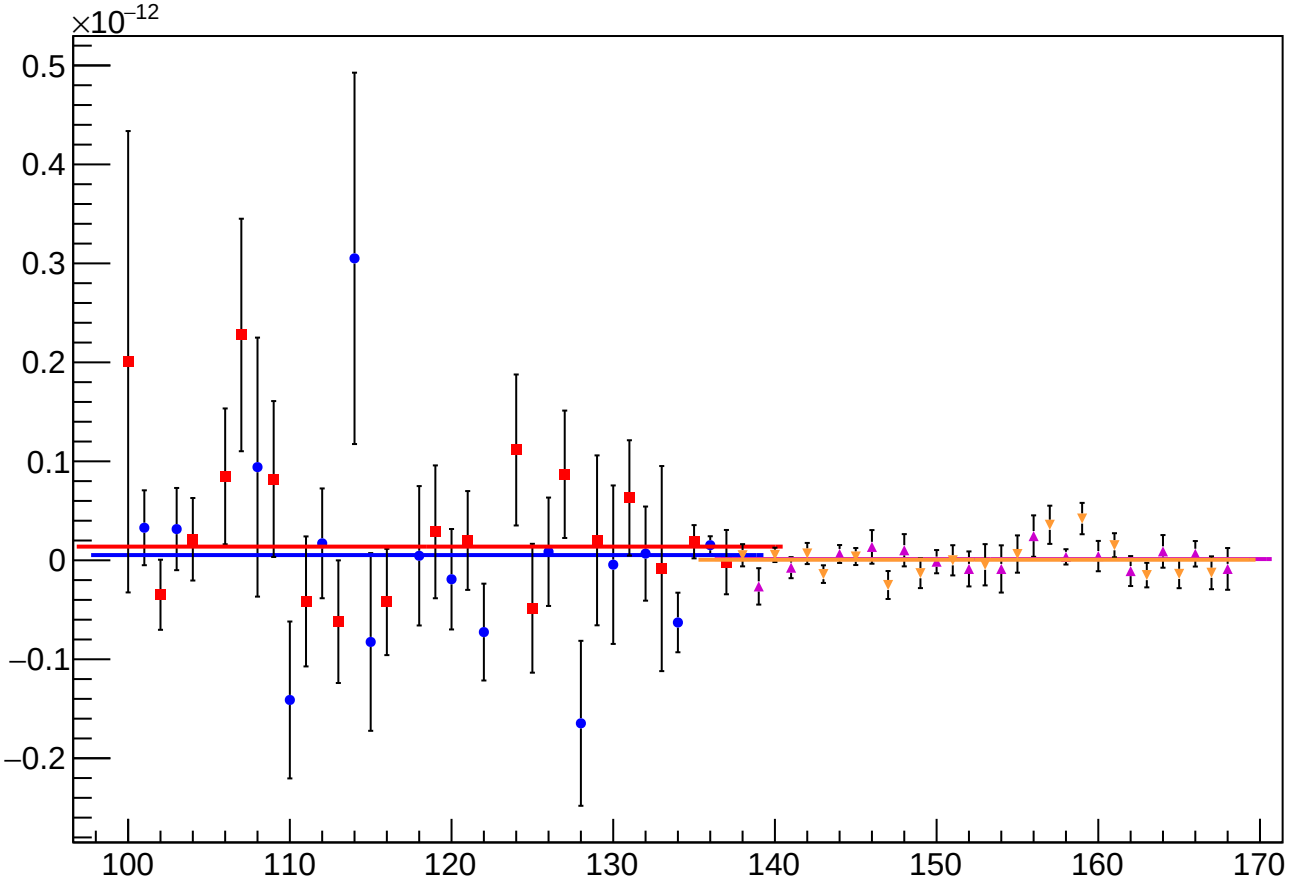
Left In: 36.607+/-0.008 χ^2/NDF:308184.9/14

+ sign 37.082+/-0.006 χ^2/NDF: 2031830.5/31

All: 37.022+/-0.005 χ^2/NDF: 4291331.1/65

- sign 36.962+/-0.006 χ^2/NDF: 2259329.5/33

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/15

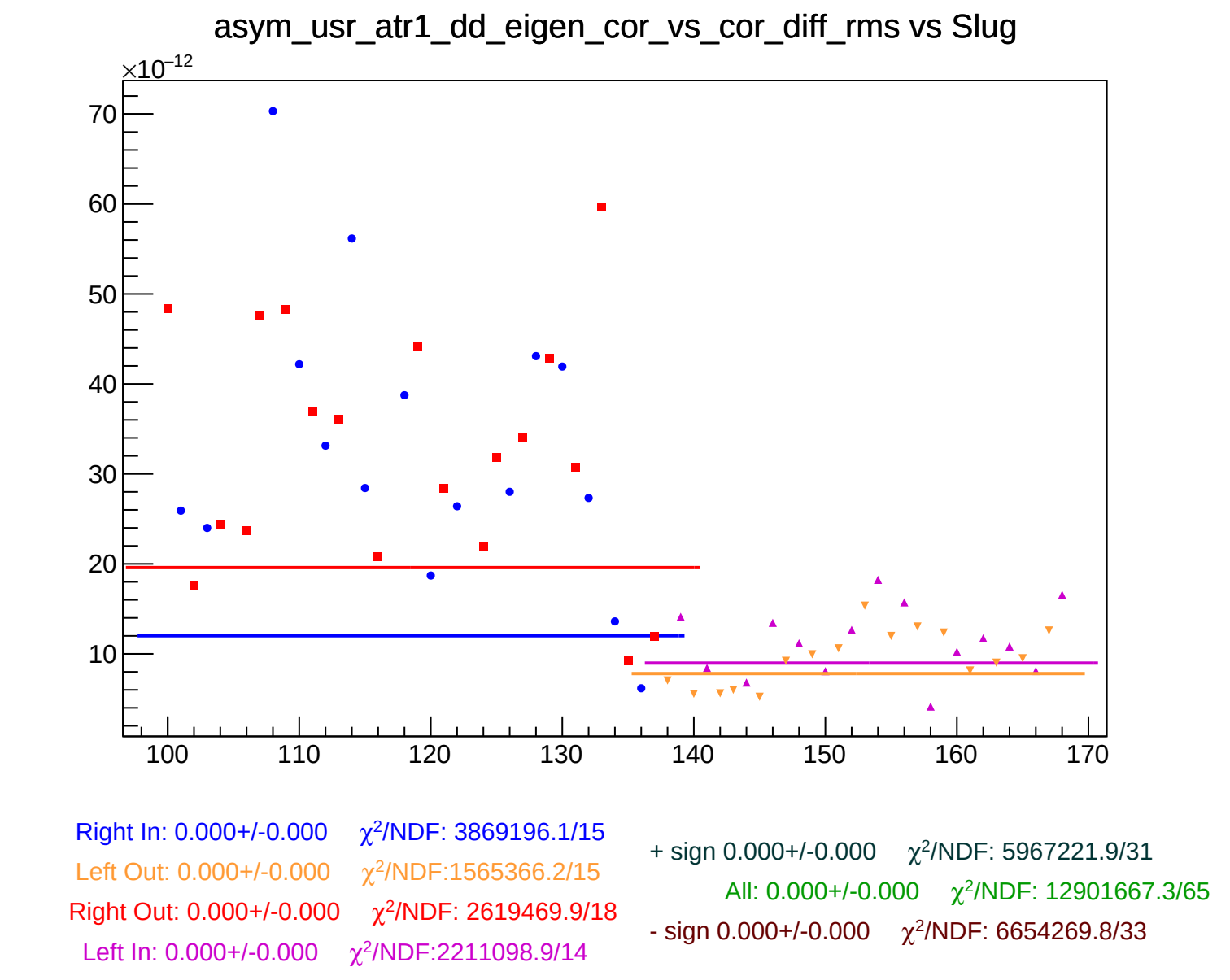
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:7.2/14

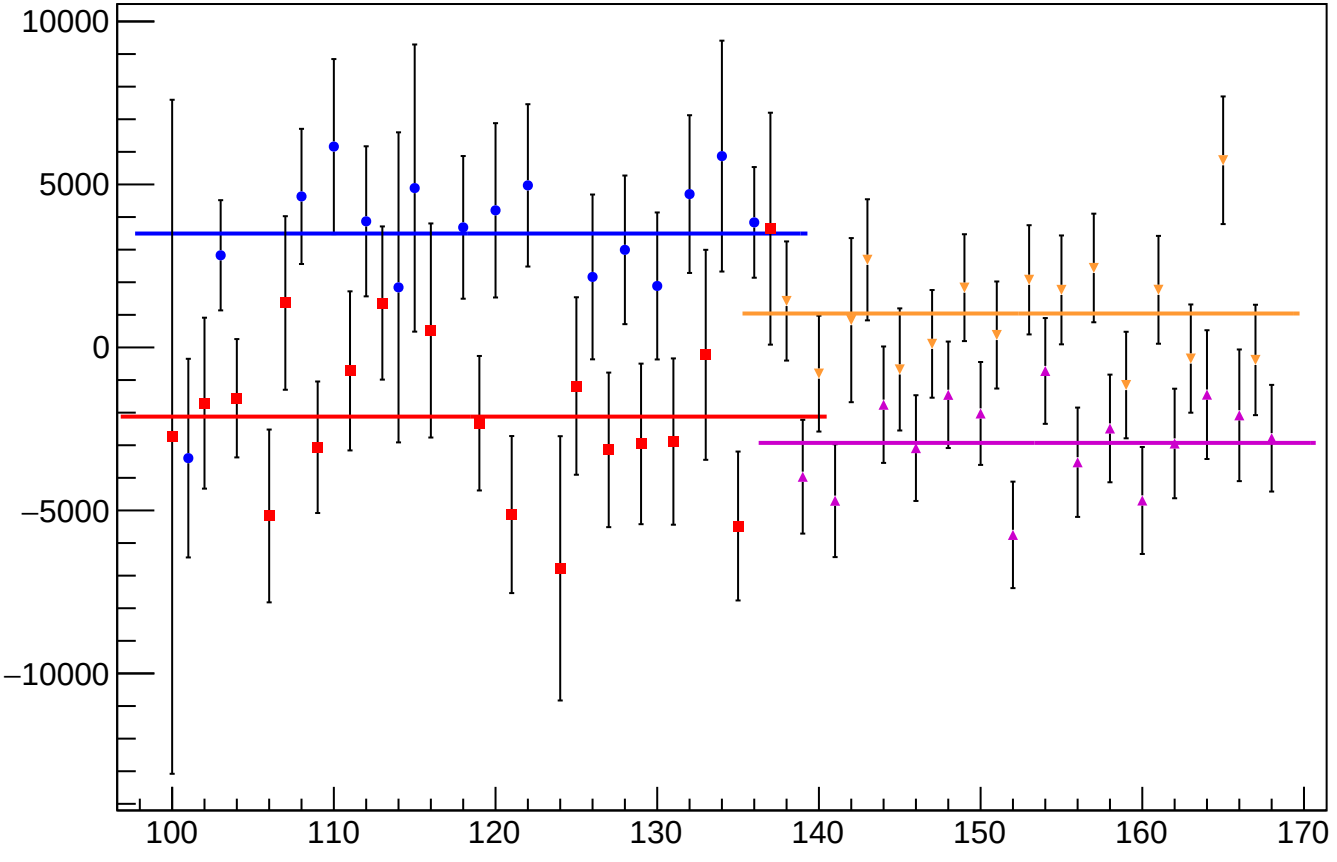
+ sign 0.000+/-0.000 χ^2/NDF: 44.9/31

All: 0.000+/-0.000 χ^2/NDF: 69.4/65

- sign 0.000+/-0.000 χ^2/NDF: 24.5/33


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1565366.2/15
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:2211098.9/14
+ sign 0.000+/-0.000 χ²/NDF: 5967221.9/31
All: 0.000+/-0.000 χ²/NDF: 12901667.3/65
- sign 0.000+/-0.000 χ²/NDF: 6654269.8/33

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1041.038+/-436.591 χ^2/NDF:13.9/15

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

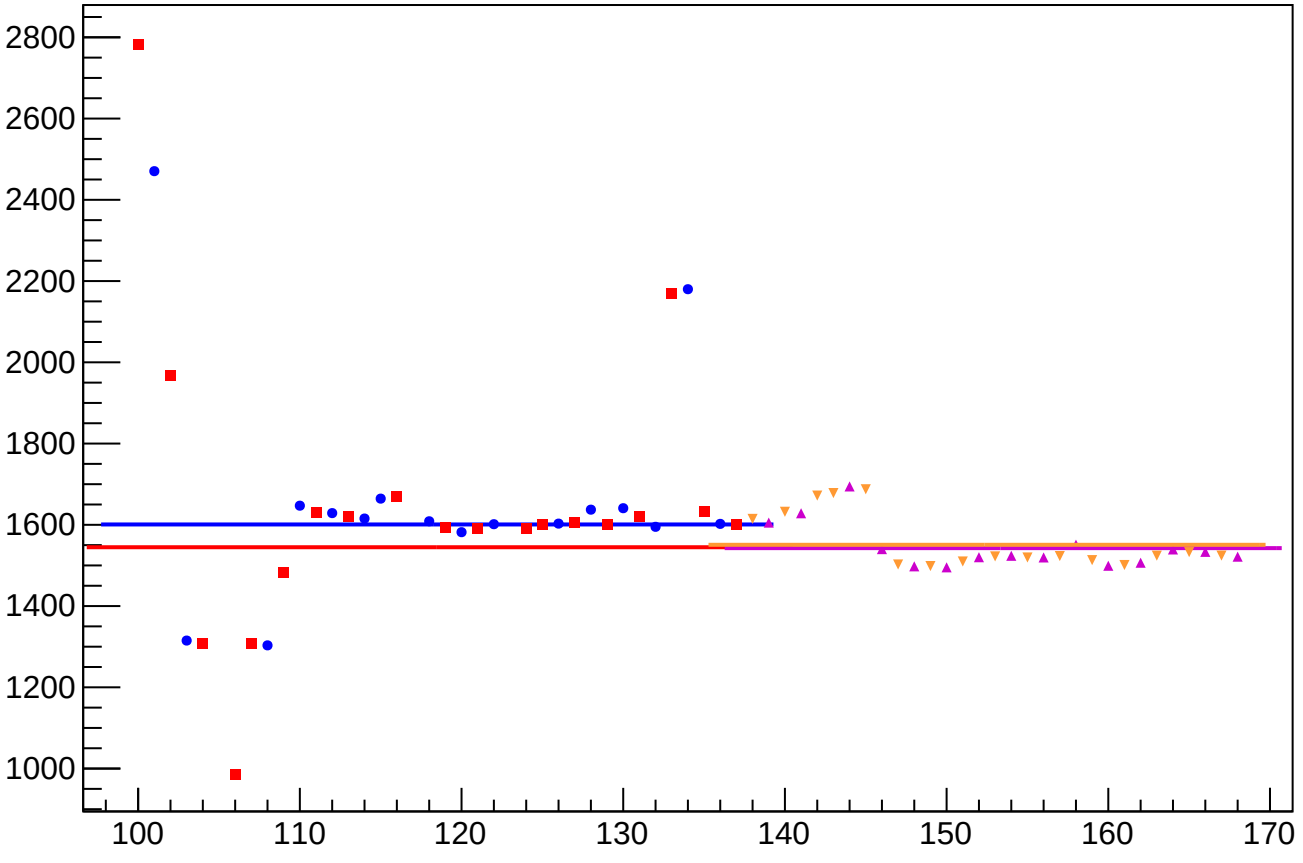
Left In: -2927.908+/-438.106 χ^2/NDF:9.9/14

+ sign 1888.150+/-353.264 χ^2/NDF: 33.6/31

All: -388.932+/-249.073 χ^2/NDF: 142.4/65

- sign -2639.880+/-351.231 χ^2/NDF: 26.2/33

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1550.810+/-0.309 χ^2/NDF:42195.2/15

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

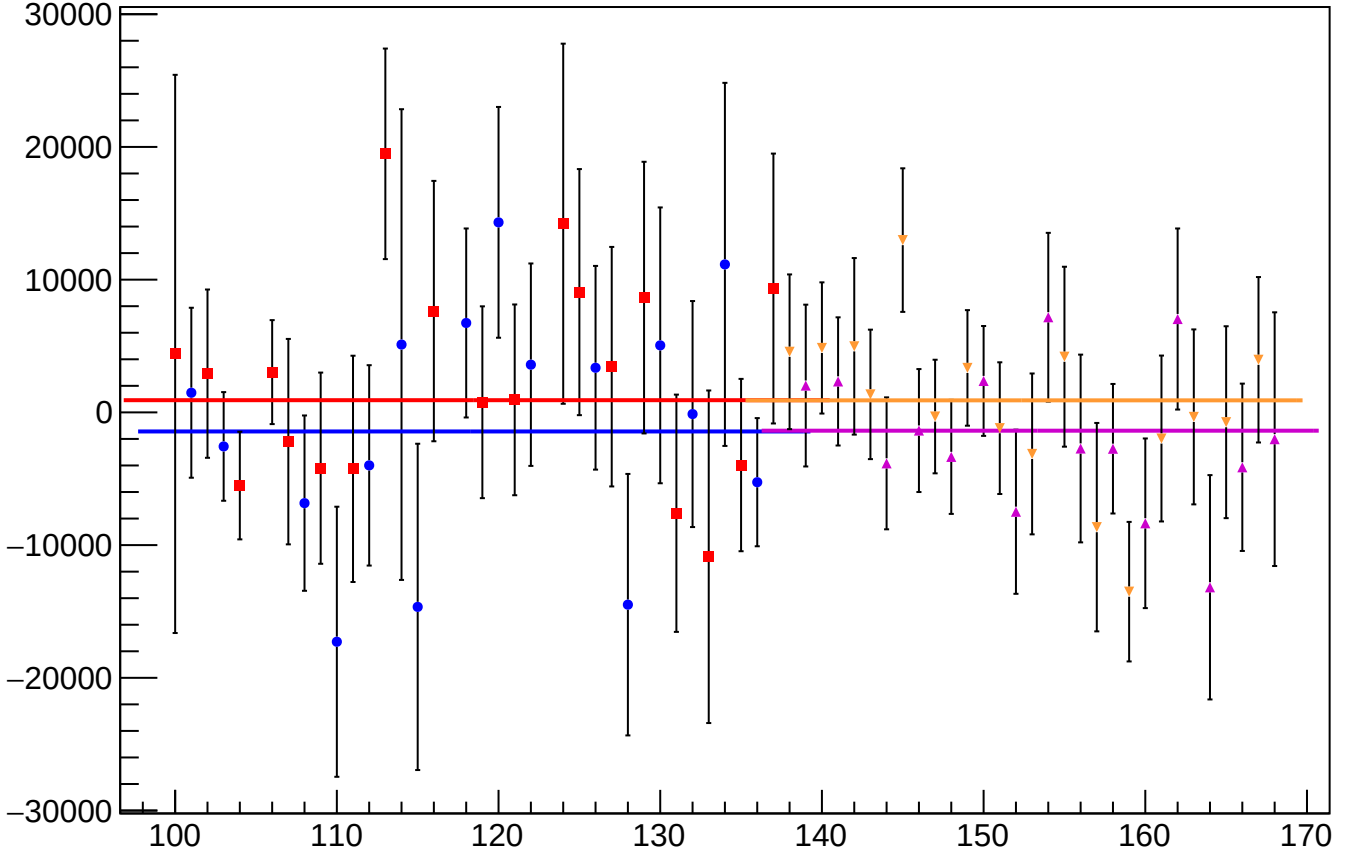
Left In: 1542.608+/-0.310 χ^2/NDF:29035.9/14

+ sign 1568.099+/-0.250 χ^2/NDF: 368691.7/31

All: 1555.609+/-0.176 χ^2/NDF: 778814.9/65

- sign 1543.412+/-0.247 χ^2/NDF: 405181.8/33

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 906.537+/-1397.459 χ^2/NDF:17.2/15

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

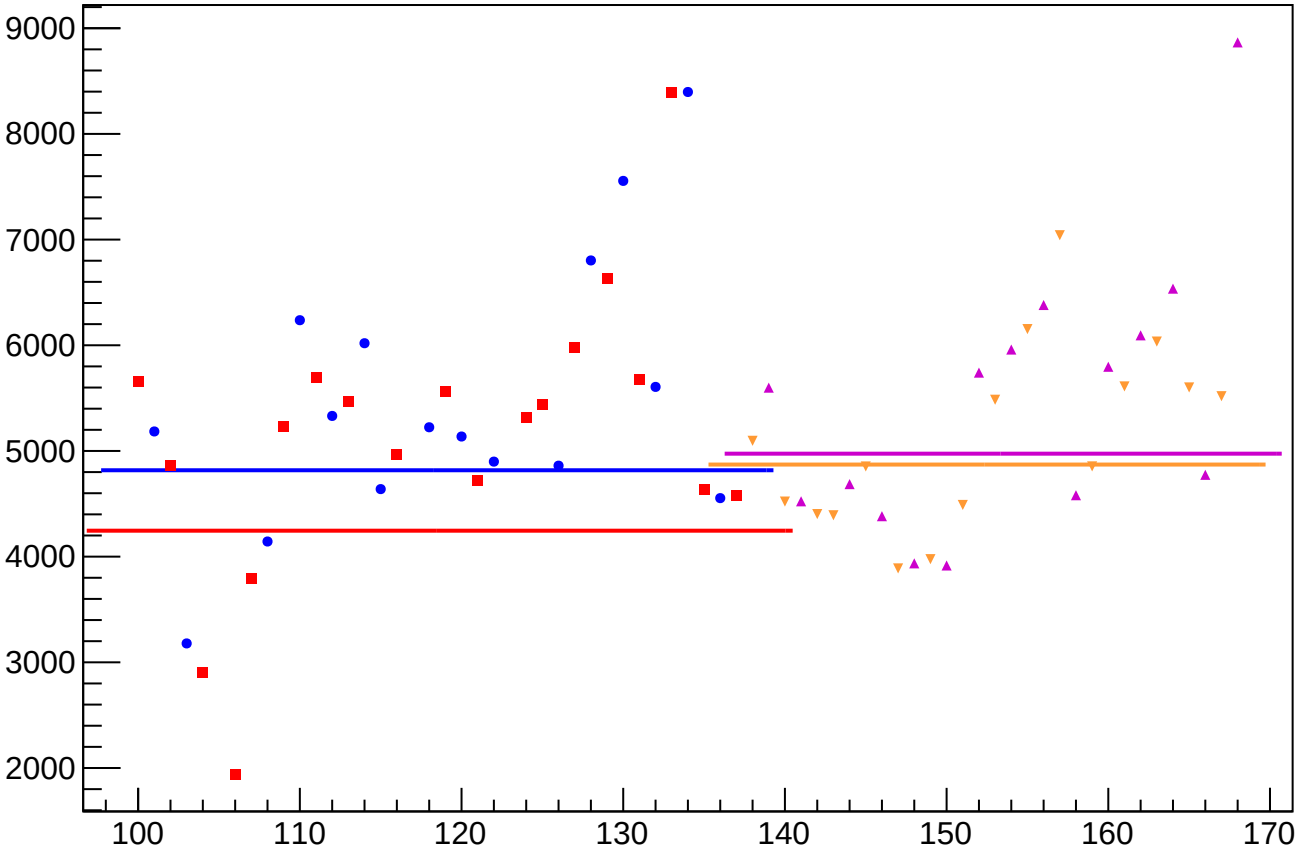
Left In: -1379.570+/-1445.866 χ^2/NDF:9.9/14

+ sign 54.077+/-1114.704 χ^2/NDF: 32.1/31

All: -174.648+/-780.391 χ^2/NDF: 58.5/65

- sign -394.511+/-1092.898 χ^2/NDF: 26.4/33

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4871.296+/-0.988 χ^2/NDF:621250.4/15

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

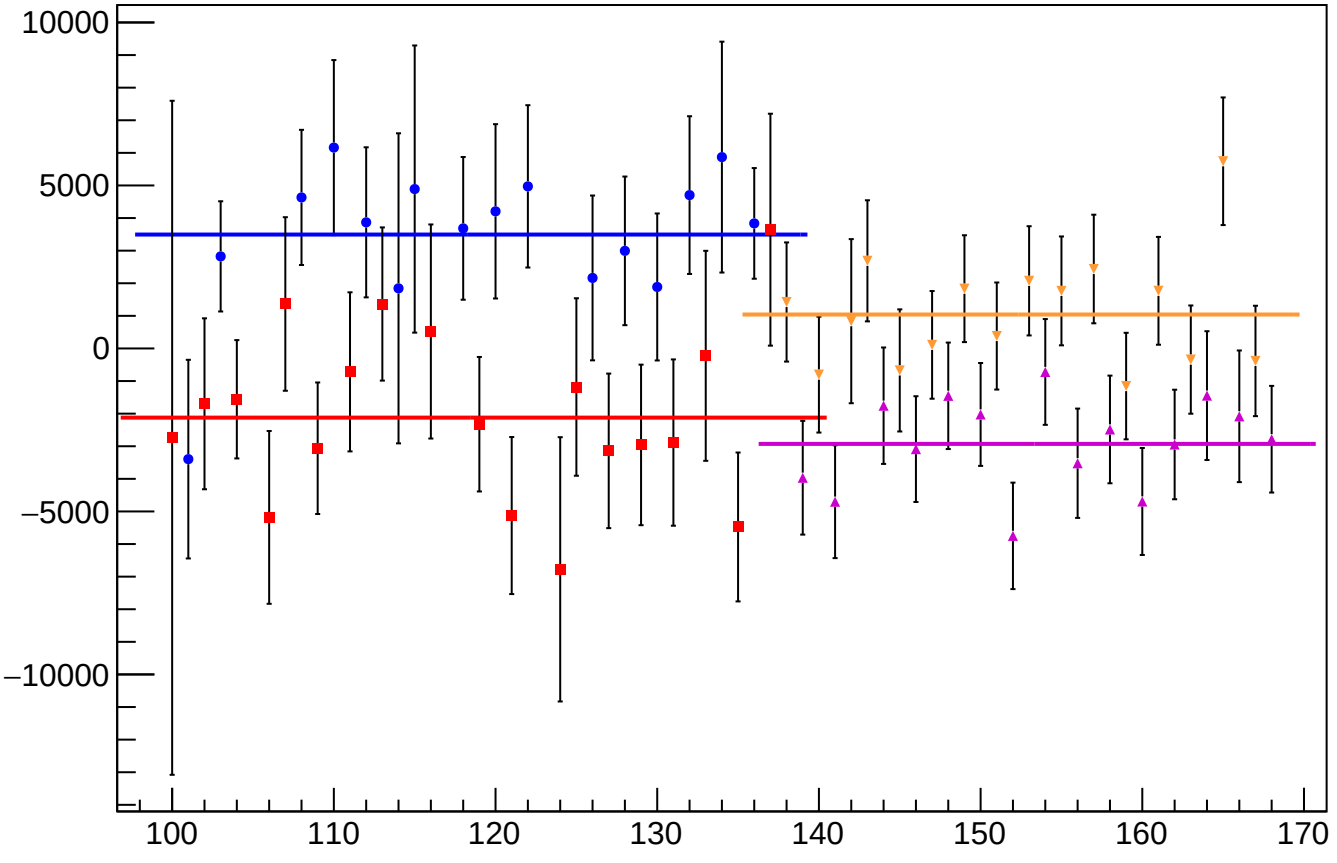
Left In: 4974.264+/-1.022 χ^2/NDF:984943.8/14

+ sign 4851.672+/-0.788 χ^2/NDF: 1417765.9/31

All: 4754.909+/-0.552 χ^2/NDF: 4333202.4/65

- sign 4661.894+/-0.773 χ^2/NDF: 2885879.2/33

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1040.885+/-436.591 χ^2/NDF:13.9/15

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

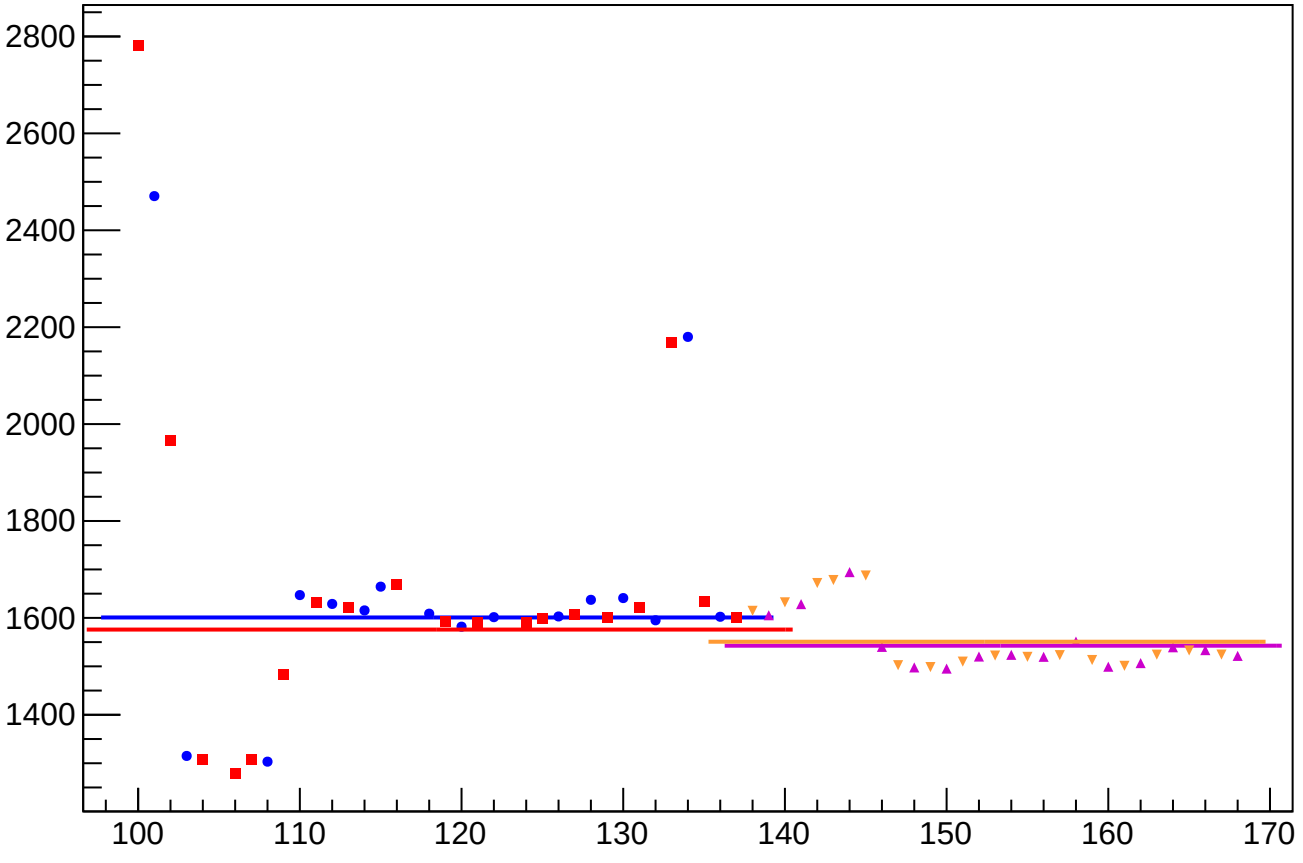
Left In: -2927.903+/-438.106 χ^2/NDF:9.9/14

+ sign 1887.934+/-353.264 χ^2/NDF: 33.6/31

All: -389.032+/-249.074 χ^2/NDF: 142.5/65

- sign -2639.875+/-351.232 χ^2/NDF: 26.2/33

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1550.810+/-0.309 χ^2/NDF:42195.2/15

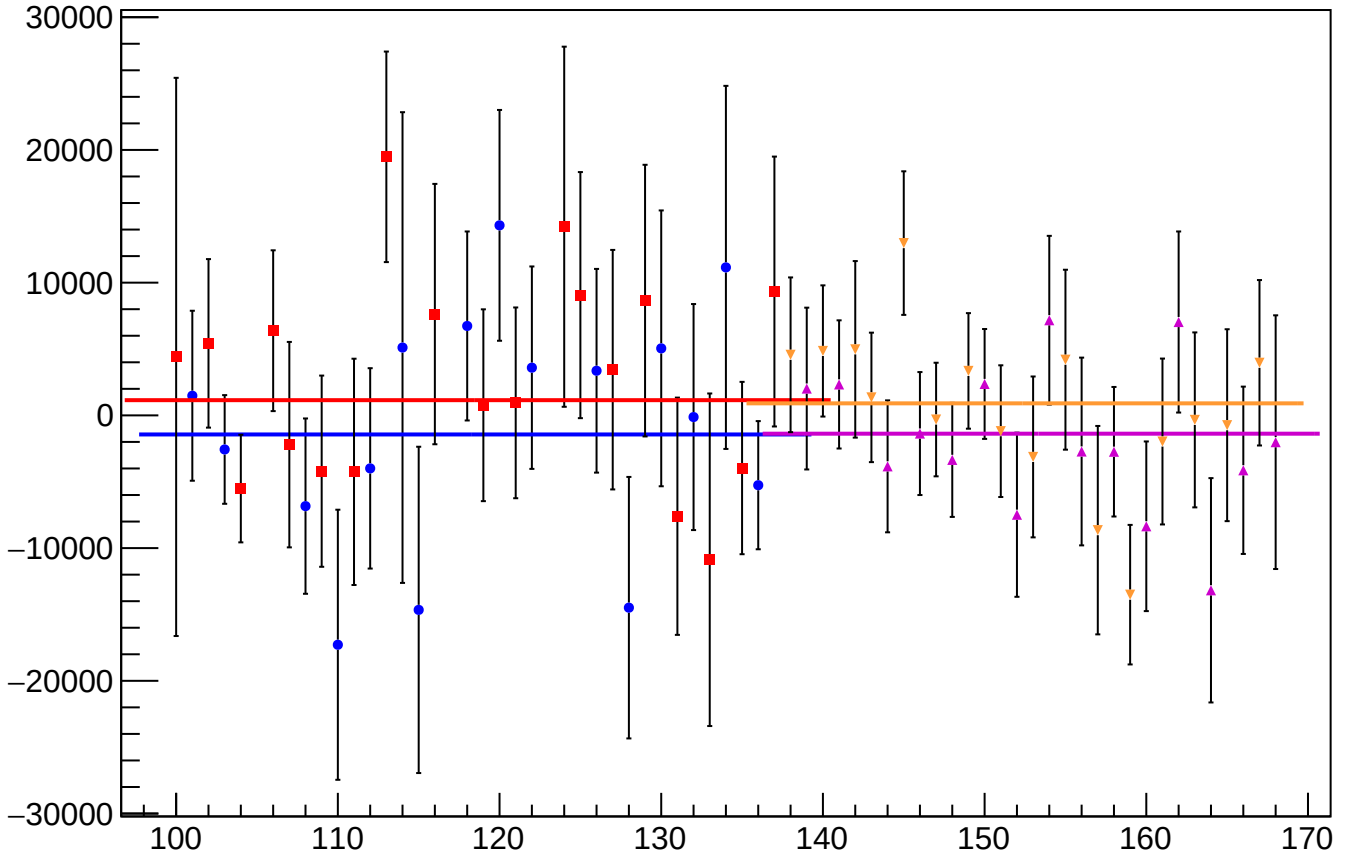
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1542.608+/-0.310 χ^2/NDF:29035.9/14

+ sign 1568.099+/-0.250 χ^2/NDF: 368690.9/31

All: 1561.282+/-0.176 χ^2/NDF: 646684.7/65

- sign 1554.563+/-0.248 χ^2/NDF: 276515.0/33



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 906.508+/-1397.456 χ^2/NDF:17.2/15

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

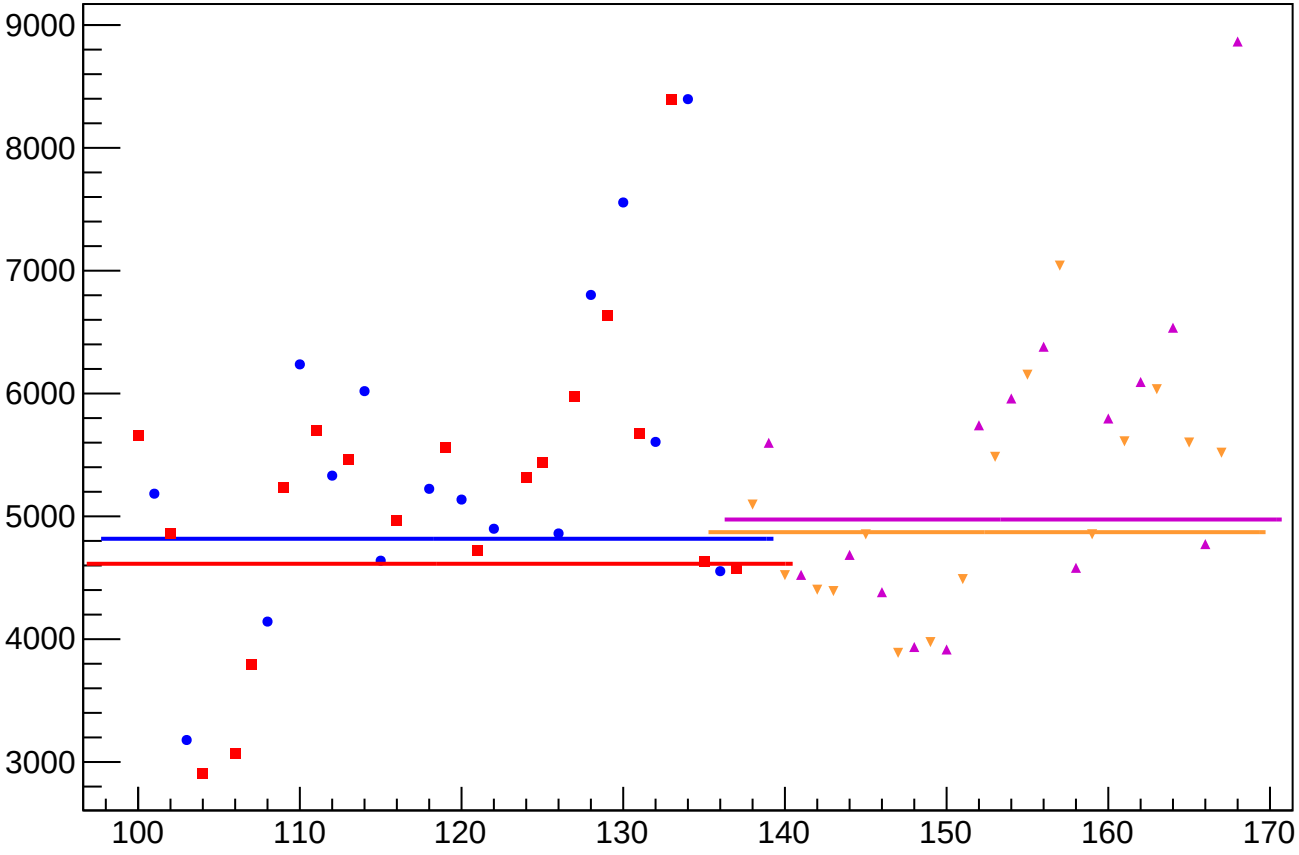
Left In: -1379.668+/-1445.866 χ^2/NDF:9.9/14

+ sign 53.994+/-1114.711 χ^2/NDF: 32.1/31

All: -155.077+/-789.586 χ^2/NDF: 59.5/65

- sign -365.603+/-1118.585 χ^2/NDF: 27.4/33

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4871.285+/-0.988 χ^2/NDF:621257.2/15

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

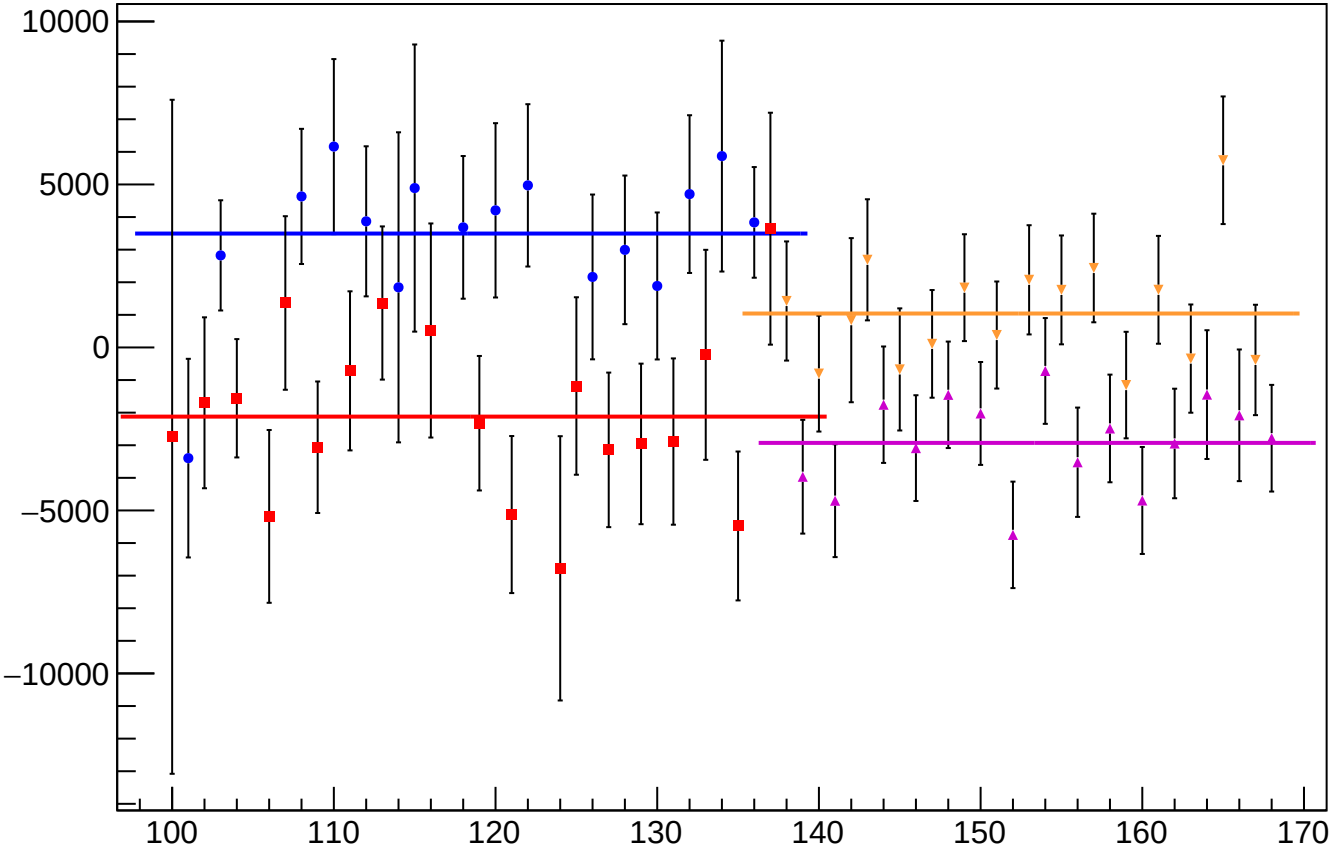
Left In: 4974.264+/-1.022 χ^2/NDF:984944.5/14

+ sign 4851.715+/-0.788 χ^2/NDF: 1417568.9/31

All: 4840.679+/-0.558 χ^2/NDF: 3430757.6/65

- sign 4829.567+/-0.791 χ^2/NDF: 2012795.2/33

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1040.885+/-436.591 χ^2/NDF:13.9/15

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

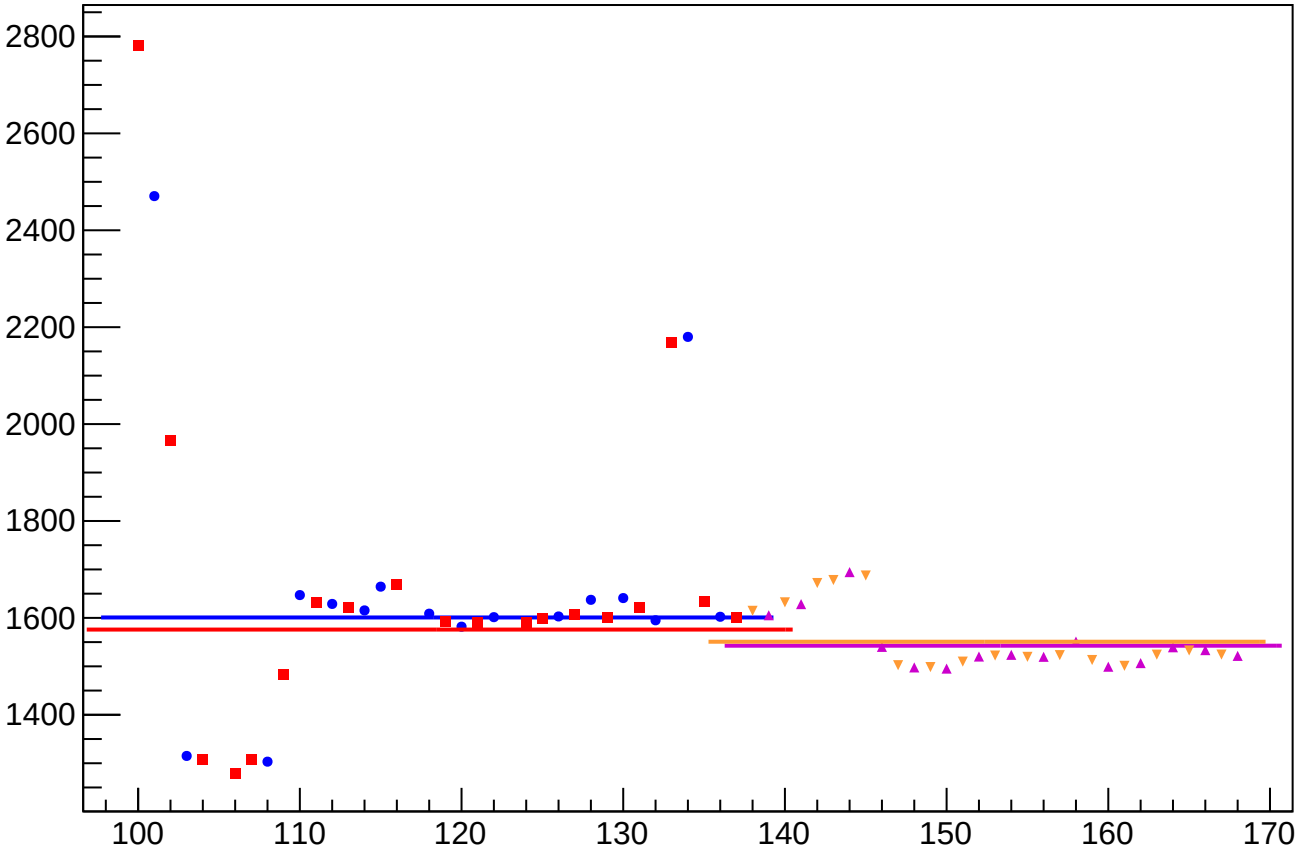
Left In: -2927.903+/-438.106 χ^2/NDF:9.9/14

+ sign 1887.934+/-353.264 χ^2/NDF: 33.6/31

All: -389.032+/-249.074 χ^2/NDF: 142.5/65

- sign -2639.875+/-351.232 χ^2/NDF: 26.2/33

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1550.810+/-0.309 χ^2/NDF:42195.2/15

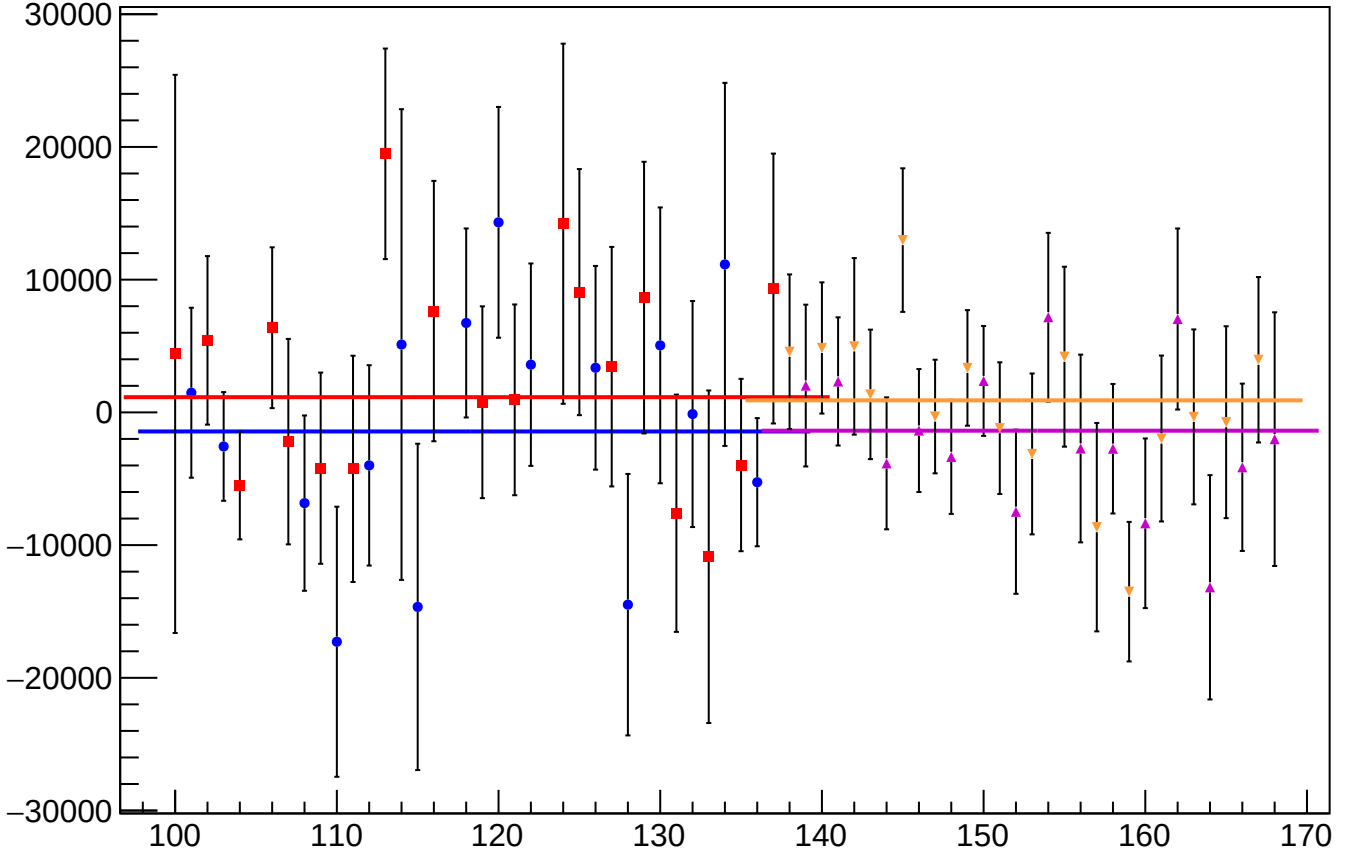
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1542.608+/-0.310 χ^2/NDF:29035.9/14

+ sign 1568.099+/-0.250 χ^2/NDF: 368690.9/31

All: 1561.282+/-0.176 χ^2/NDF: 646684.7/65

- sign 1554.563+/-0.248 χ^2/NDF: 276515.0/33



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 906.508+/-1397.456 χ^2/NDF:17.2/15

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

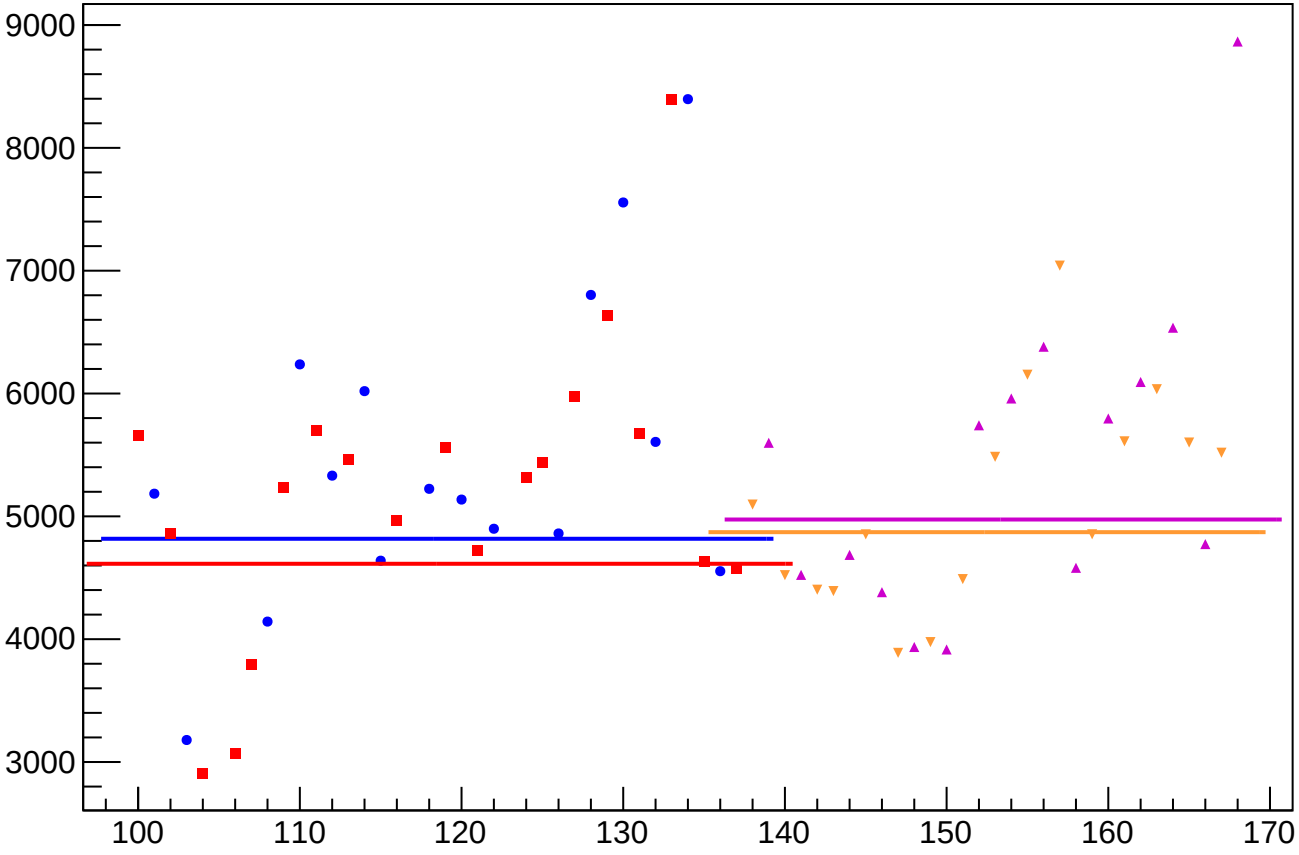
Left In: -1379.668+/-1445.866 χ^2/NDF:9.9/14

+ sign 53.994+/-1114.711 χ^2/NDF: 32.1/31

All: -155.077+/-789.586 χ^2/NDF: 59.5/65

- sign -365.603+/-1118.585 χ^2/NDF: 27.4/33

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4871.285+/-0.988 χ^2/NDF:621257.2/15

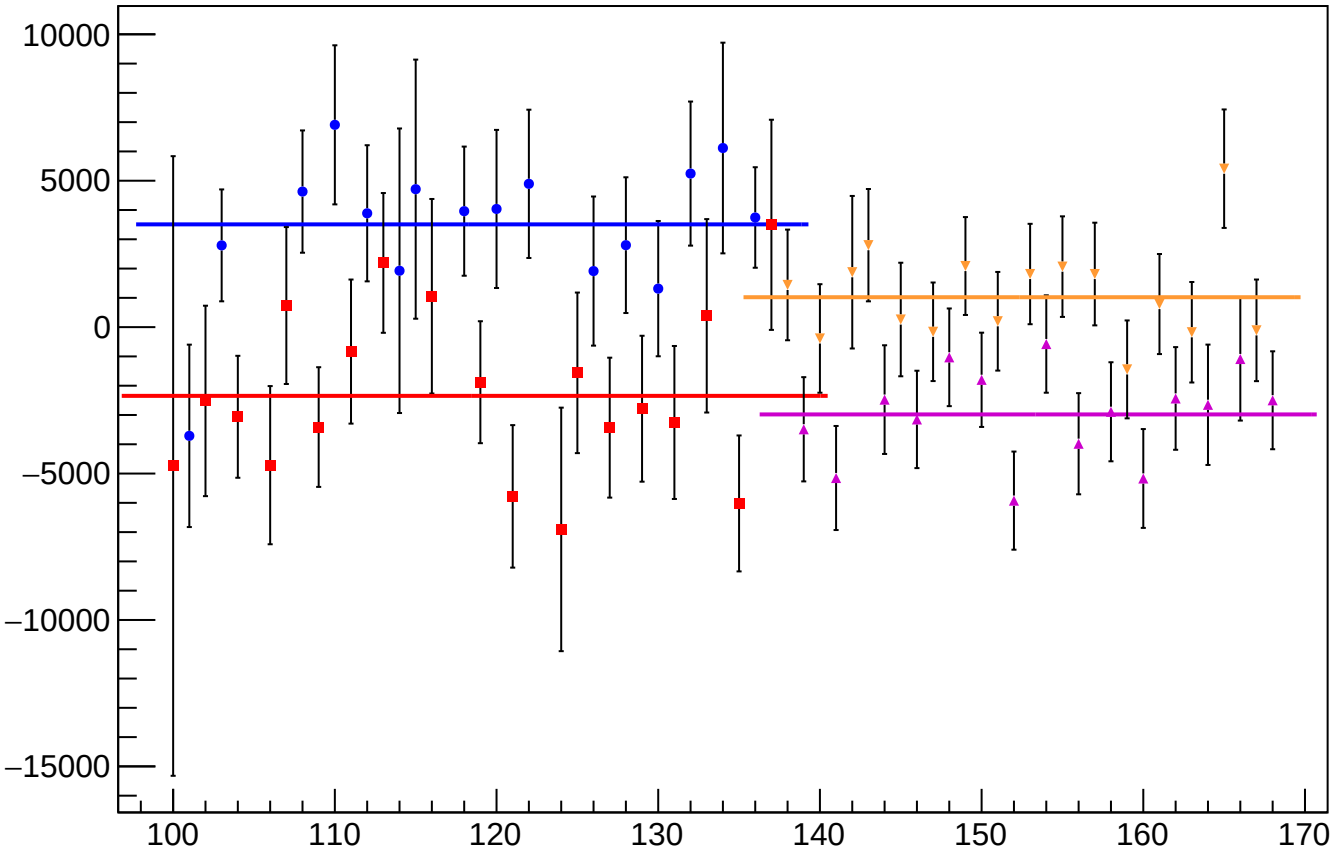
Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4974.264+/-1.022 χ^2/NDF:984944.5/14

+ sign 4851.715+/-0.788 χ^2/NDF: 1417568.9/31

All: 4840.679+/-0.558 χ^2/NDF: 3430757.6/65

- sign 4829.567+/-0.791 χ^2/NDF: 2012795.2/33



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1021.613+/-449.873 χ^2/NDF:11.5/15

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

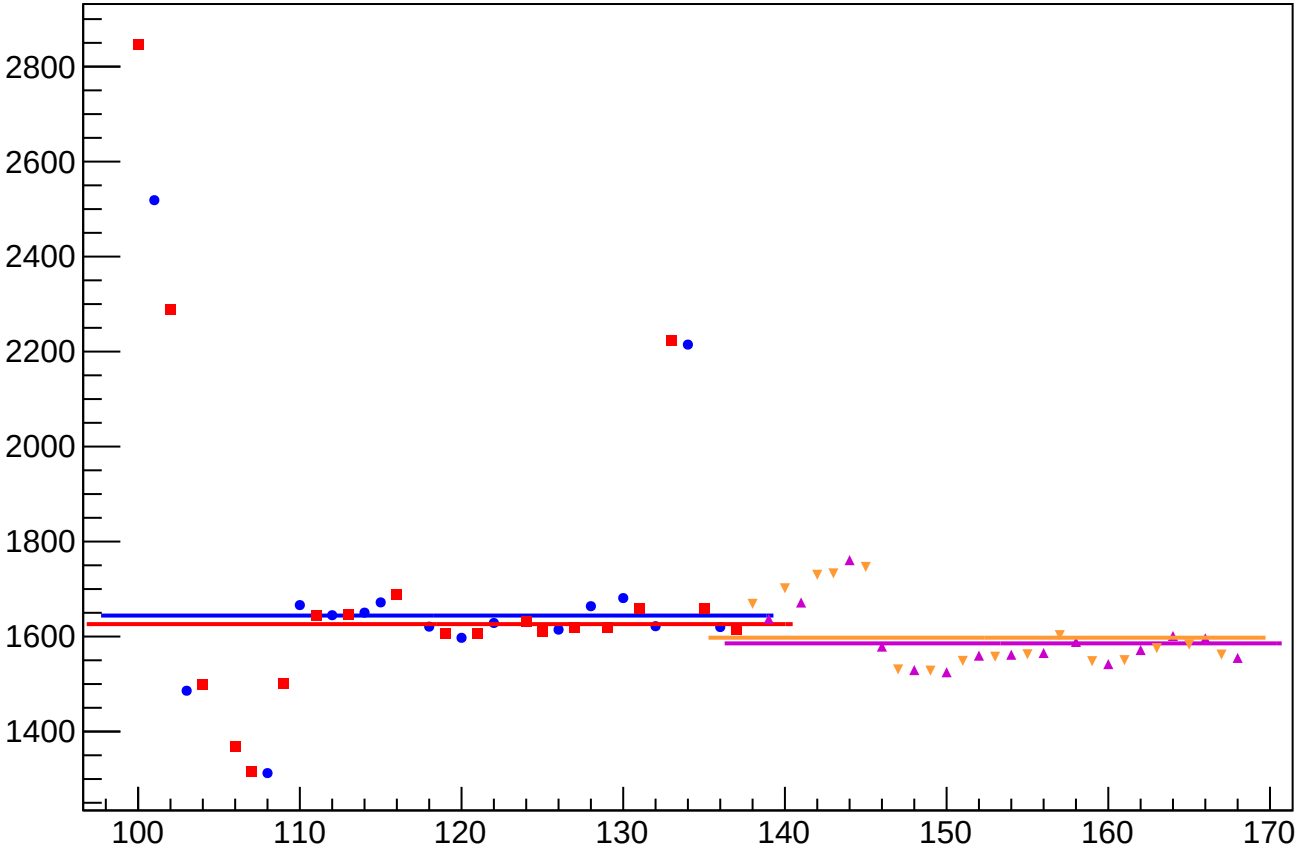
Left In: -2980.604+/-450.396 χ^2/NDF:11.8/14

+ sign 1885.668+/-363.451 χ^2/NDF: 32.5/31

All: -445.597+/-256.415 χ^2/NDF: 144.0/65

- sign -2755.817+/-361.807 χ^2/NDF: 29.6/33

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1597.590+/-0.318 χ^2/NDF:50845.2/15

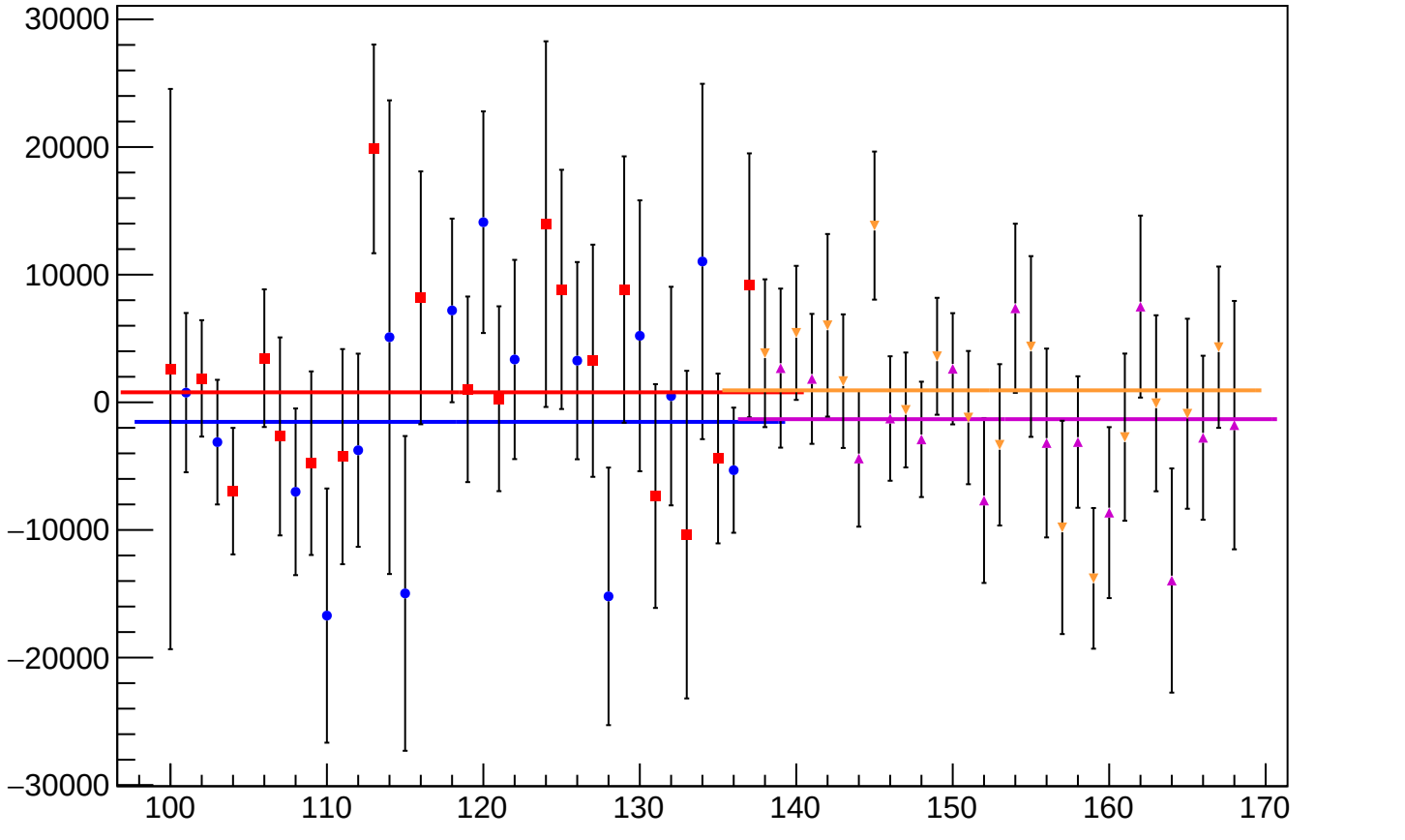
Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1585.633+/-0.318 χ^2/NDF:32836.5/14

+ sign 1613.777+/-0.257 χ^2/NDF: 333118.8/31

All: 1606.870+/-0.181 χ^2/NDF: 610786.6/65

- sign 1600.029+/-0.256 χ^2/NDF: 276230.0/33



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 937.499+/-1465.962 χ^2/NDF:17.3/15

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

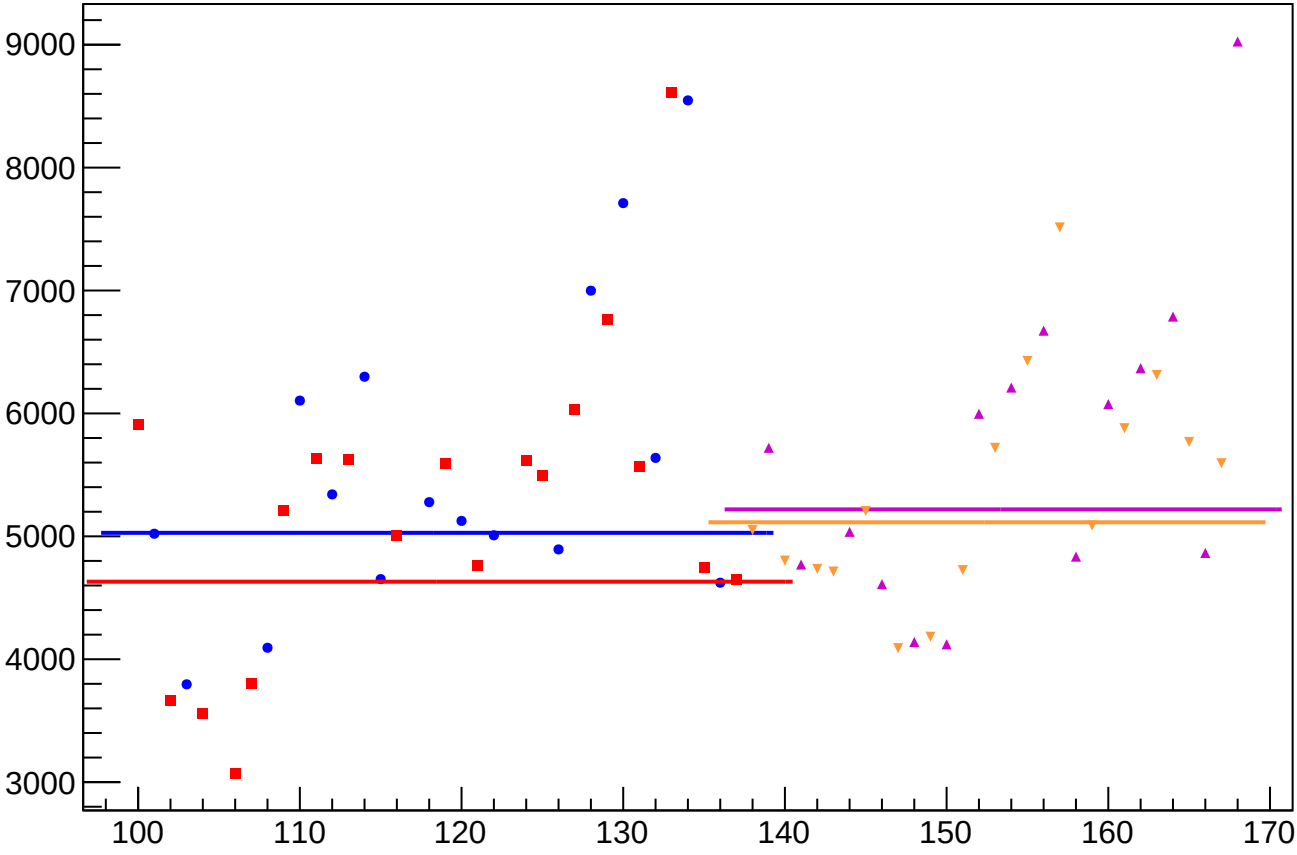
Left In: -1321.765+/-1515.198 χ^2/NDF:9.8/14

+ sign 24.285+/-1163.774 χ^2/NDF: 32.2/31

All: -200.733+/-816.227 χ^2/NDF: 57.9/65

- sign -418.584+/-1145.092 χ^2/NDF: 25.7/33

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5114.339+/-1.037 χ^2/NDF:589266.5/15

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

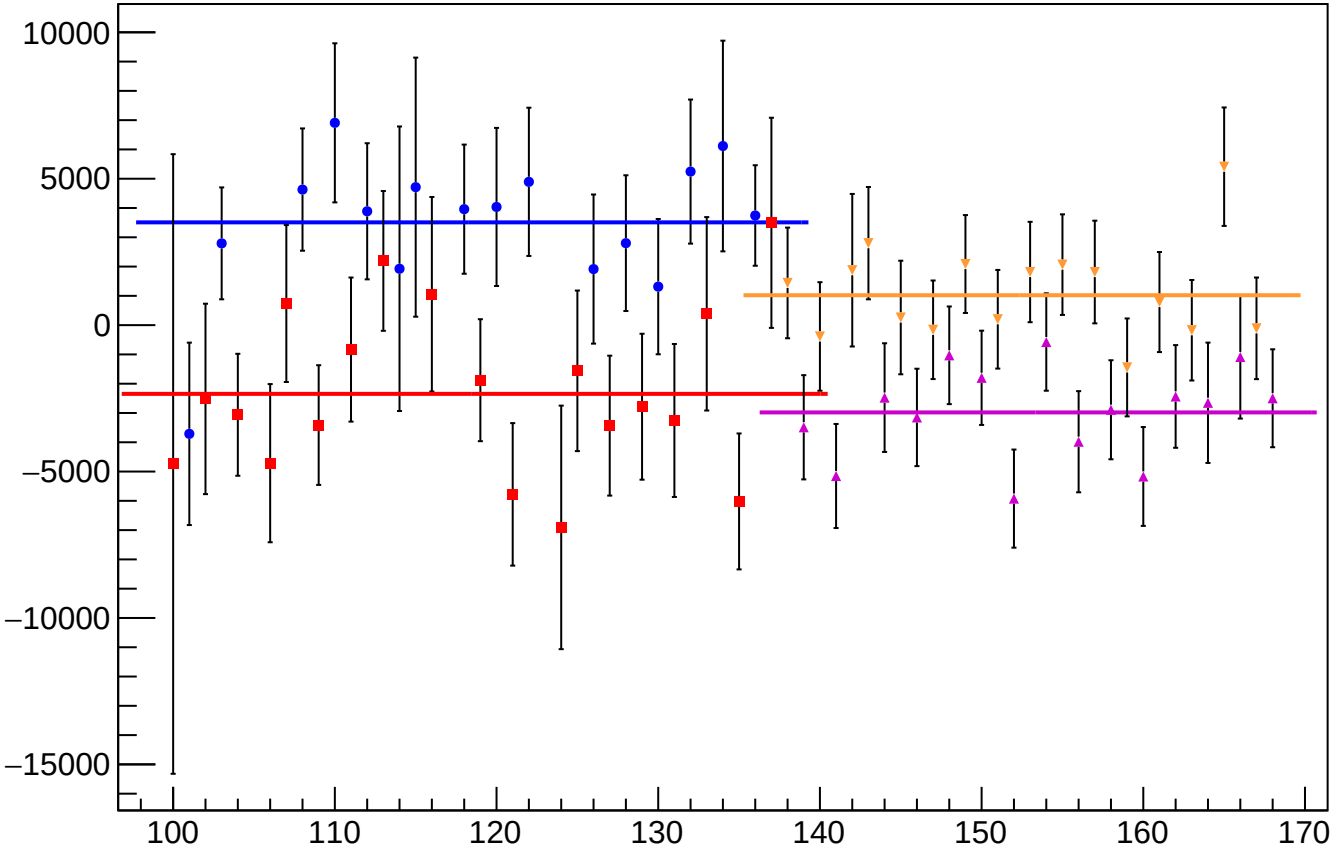
Left In: 5219.126+/-1.071 χ^2/NDF:925876.3/14

+ sign 5082.579+/-0.823 χ^2/NDF: 1157274.6/31

All: 5023.783+/-0.577 χ^2/NDF: 3085982.4/65

- sign 4966.859+/-0.810 χ^2/NDF: 1918660.5/33

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1021.602+/-449.874 χ^2/NDF:11.5/15

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

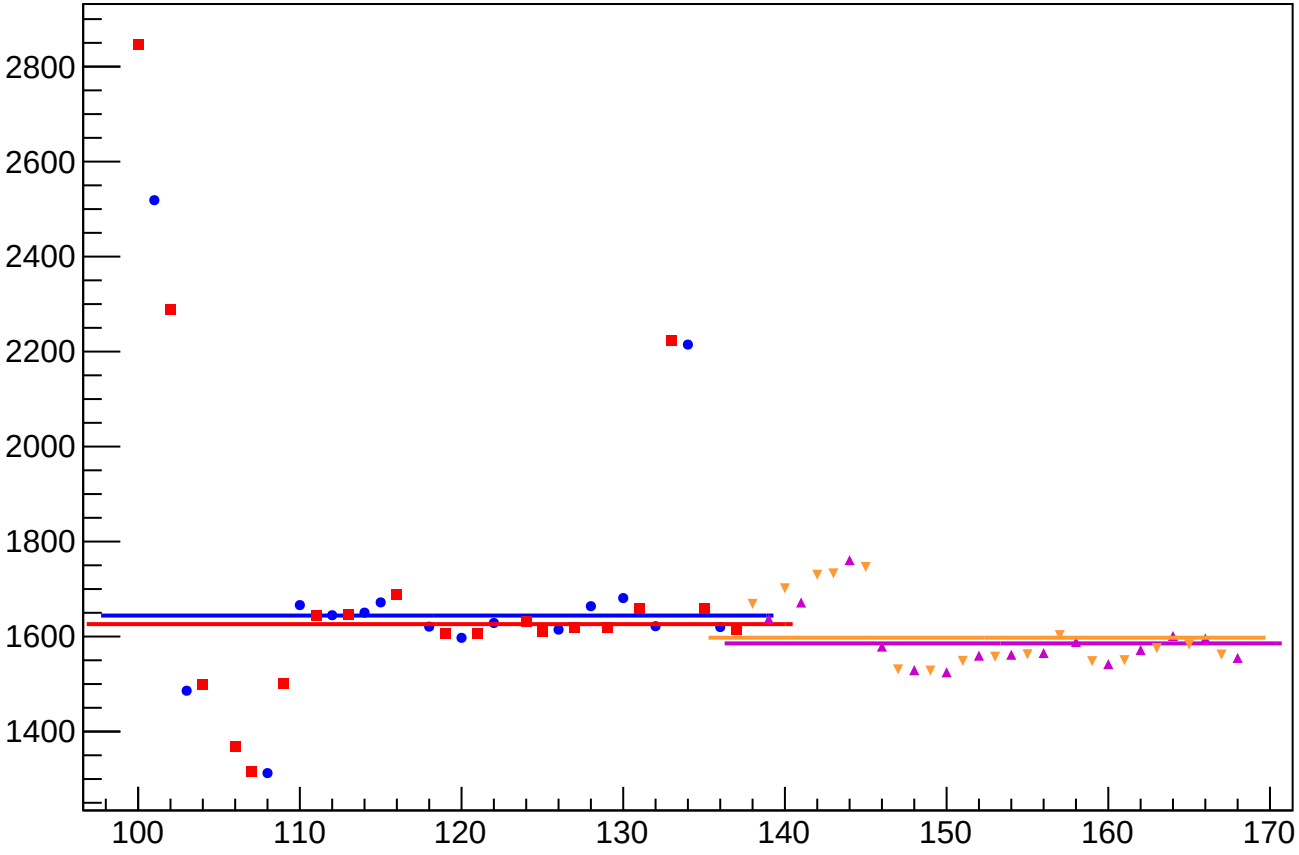
Left In: -2980.608+/-450.396 χ^2/NDF:11.8/14

+ sign 1885.663+/-363.451 χ^2/NDF: 32.5/31

All: -445.602+/-256.415 χ^2/NDF: 144.0/65

- sign -2755.821+/-361.807 χ^2/NDF: 29.6/33

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1597.591+/-0.318 χ^2/NDF:50845.2/15

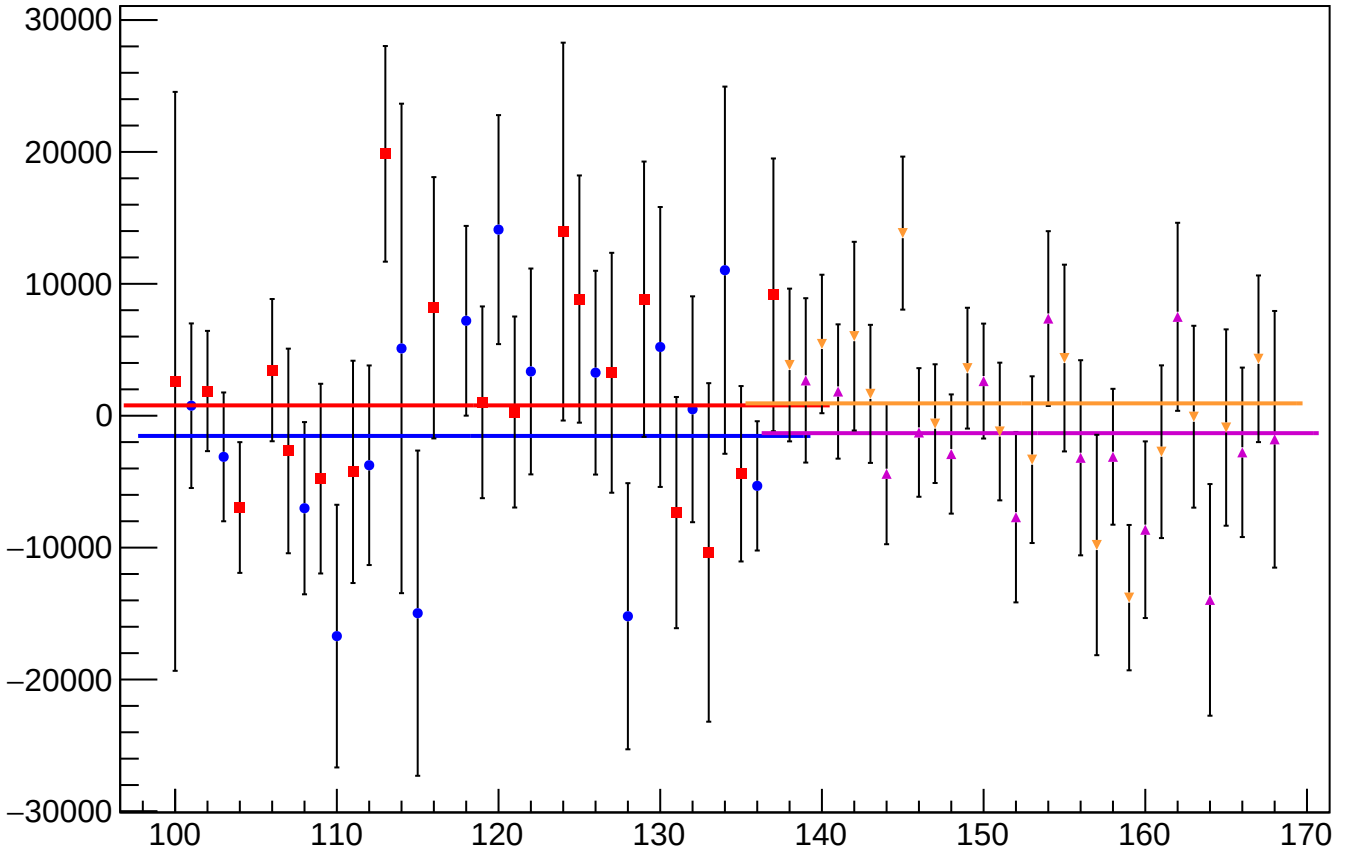
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1585.634+/-0.318 χ^2/NDF:32836.3/14

+ sign 1613.778+/-0.257 χ^2/NDF: 333118.2/31

All: 1606.871+/-0.181 χ^2/NDF: 610785.0/65

- sign 1600.030+/-0.256 χ^2/NDF: 276228.9/33



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 937.494+/-1465.965 χ^2/NDF:17.3/15

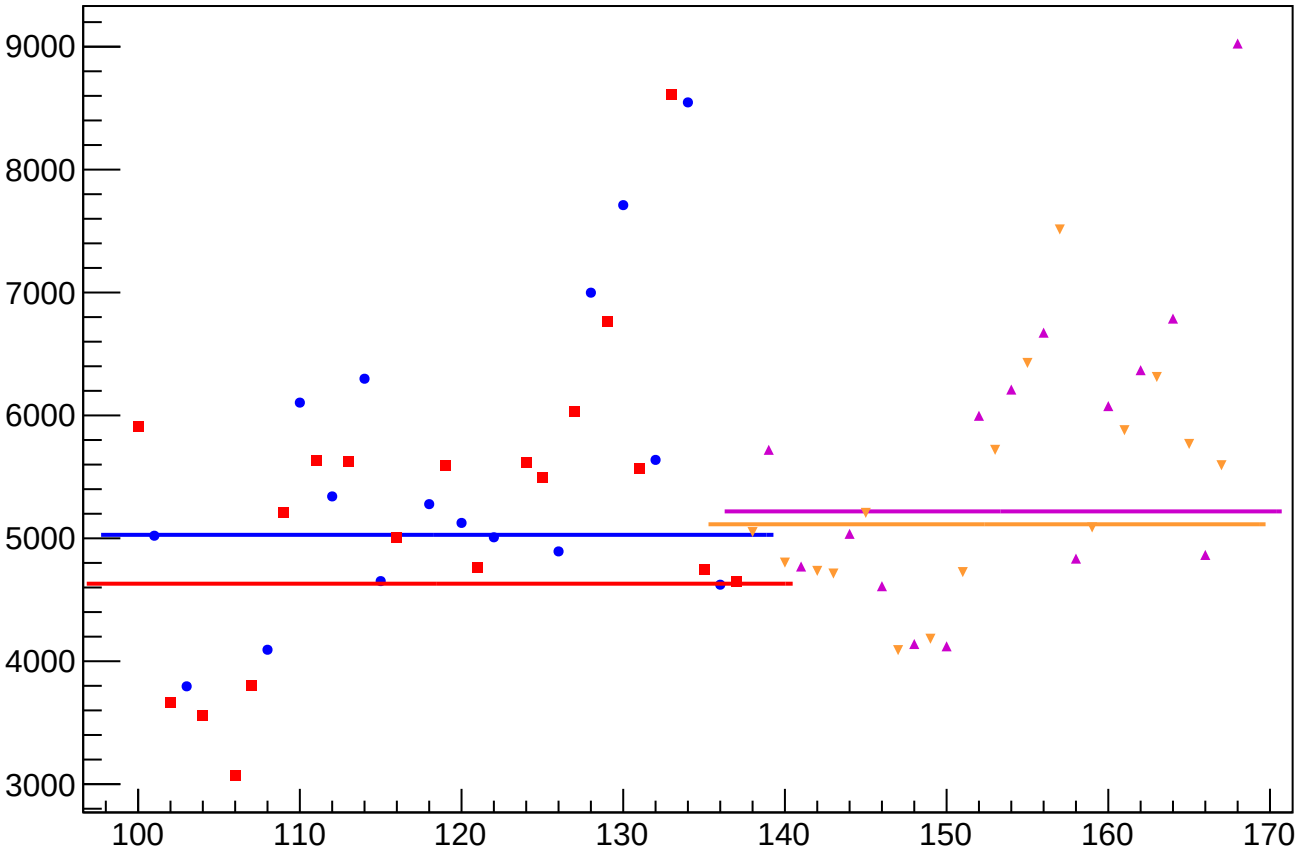
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -1321.764+/-1515.201 χ^2/NDF:9.8/14

+ sign 24.283+/-1163.775 χ^2/NDF: 32.2/31

All: -200.731+/-816.227 χ^2/NDF: 57.9/65

- sign -418.579+/-1145.092 χ^2/NDF: 25.7/33



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5114.348+/-1.037 χ^2/NDF:589268.1/15

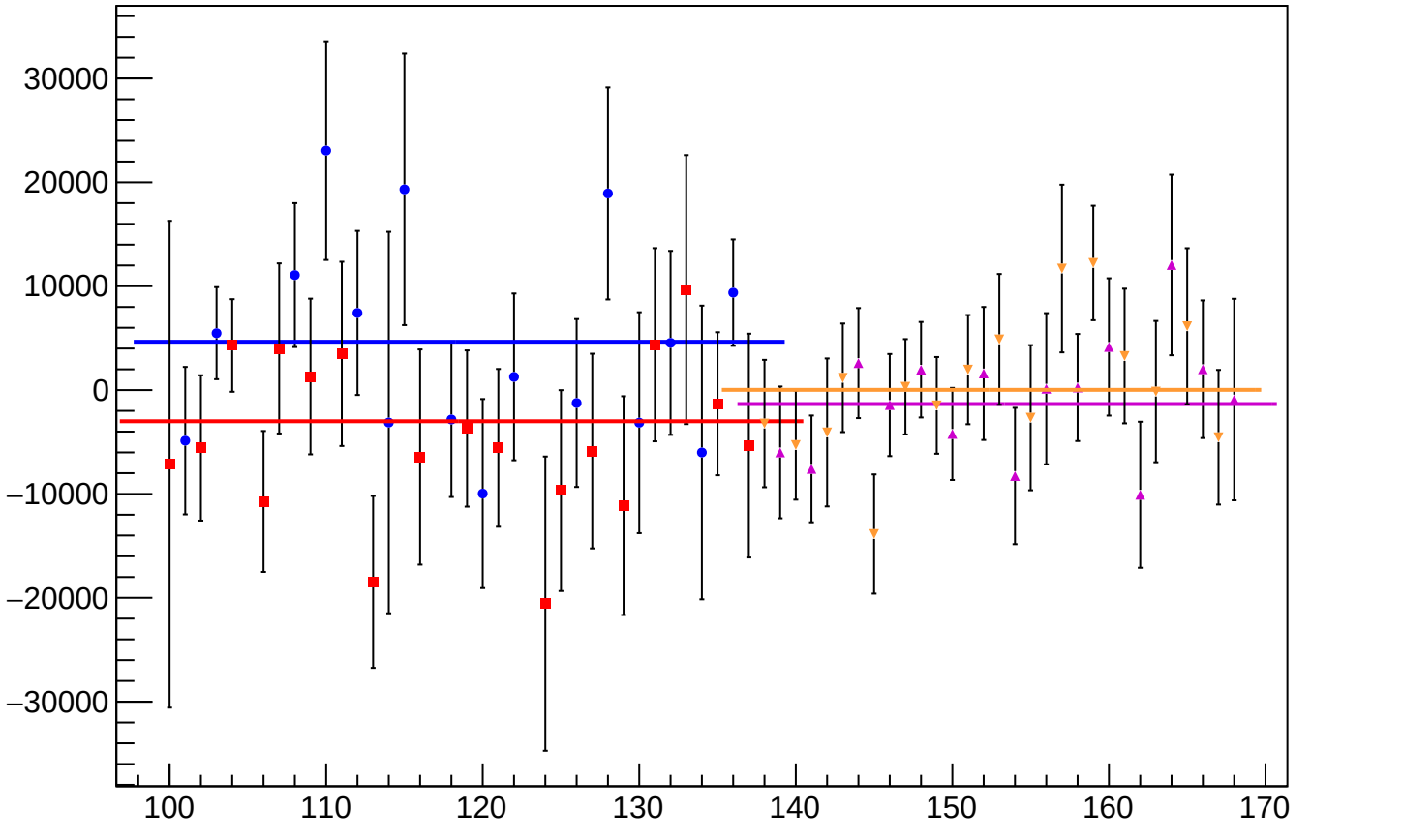
Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5219.135+/-1.071 χ^2/NDF:925877.4/14

+ sign 5082.582+/-0.823 χ^2/NDF: 1157270.9/31

All: 5023.785+/-0.577 χ^2/NDF: 3085980.9/65

- sign 4966.861+/-0.810 χ^2/NDF: 1918662.4/33



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 23.222+/-1474.010 χ^2/NDF:16.9/15

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

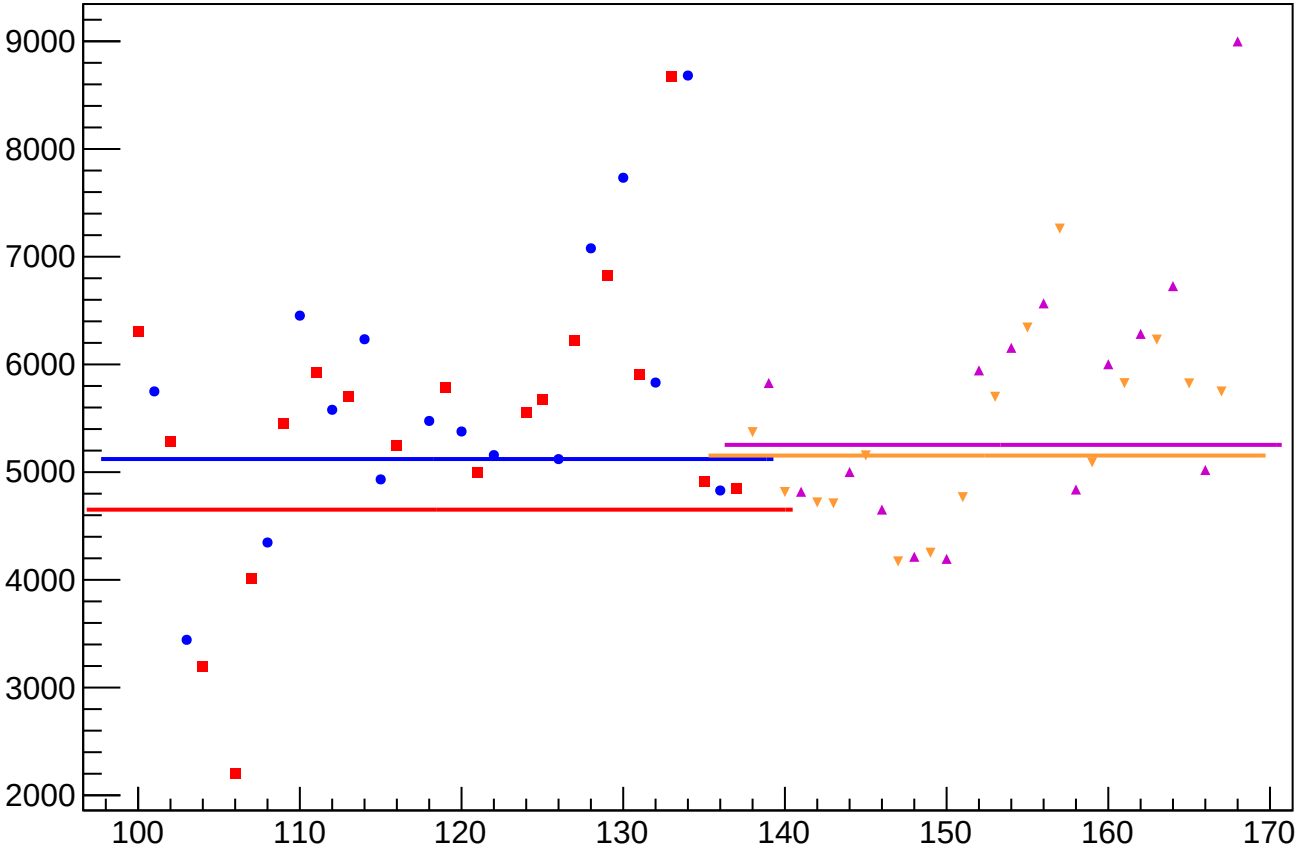
Left In: -1344.634+/-1521.682 χ^2/NDF:9.8/14

+ sign 1697.450+/-1177.723 χ^2/NDF: 36.0/31

All: -141.779+/-834.807 χ^2/NDF: 65.1/65

- sign -1999.062+/-1183.490 χ^2/NDF: 24.2/33

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5154.202+/-1.042 χ^2/NDF:524220.3/15

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

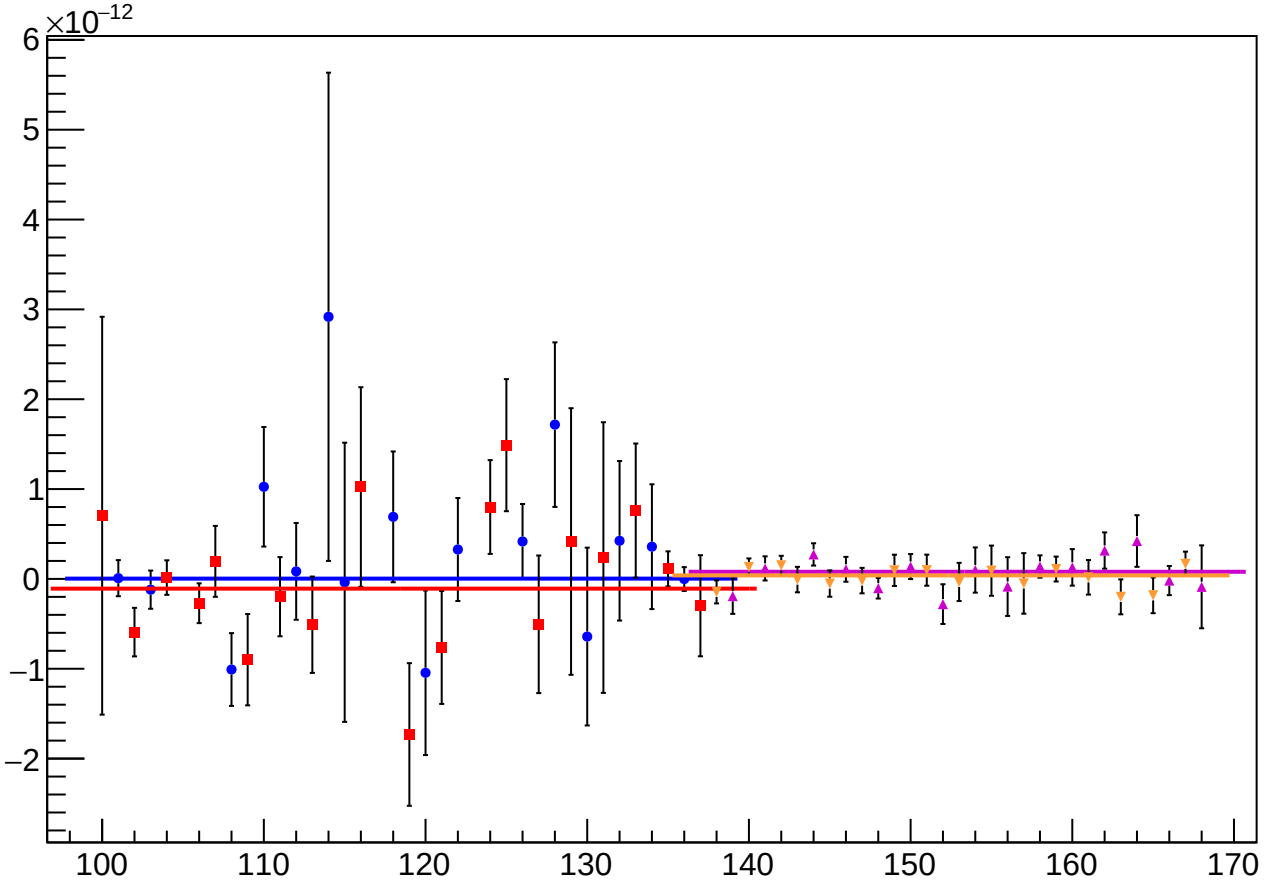
Left In: 5253.155+/-1.076 χ^2/NDF:847213.6/14

+ sign 5142.429+/-0.833 χ^2/NDF: 1244943.2/31

All: 5072.566+/-0.586 χ^2/NDF: 3580268.2/65

- sign 5004.212+/-0.824 χ^2/NDF: 2321401.6/33

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:9.1/15

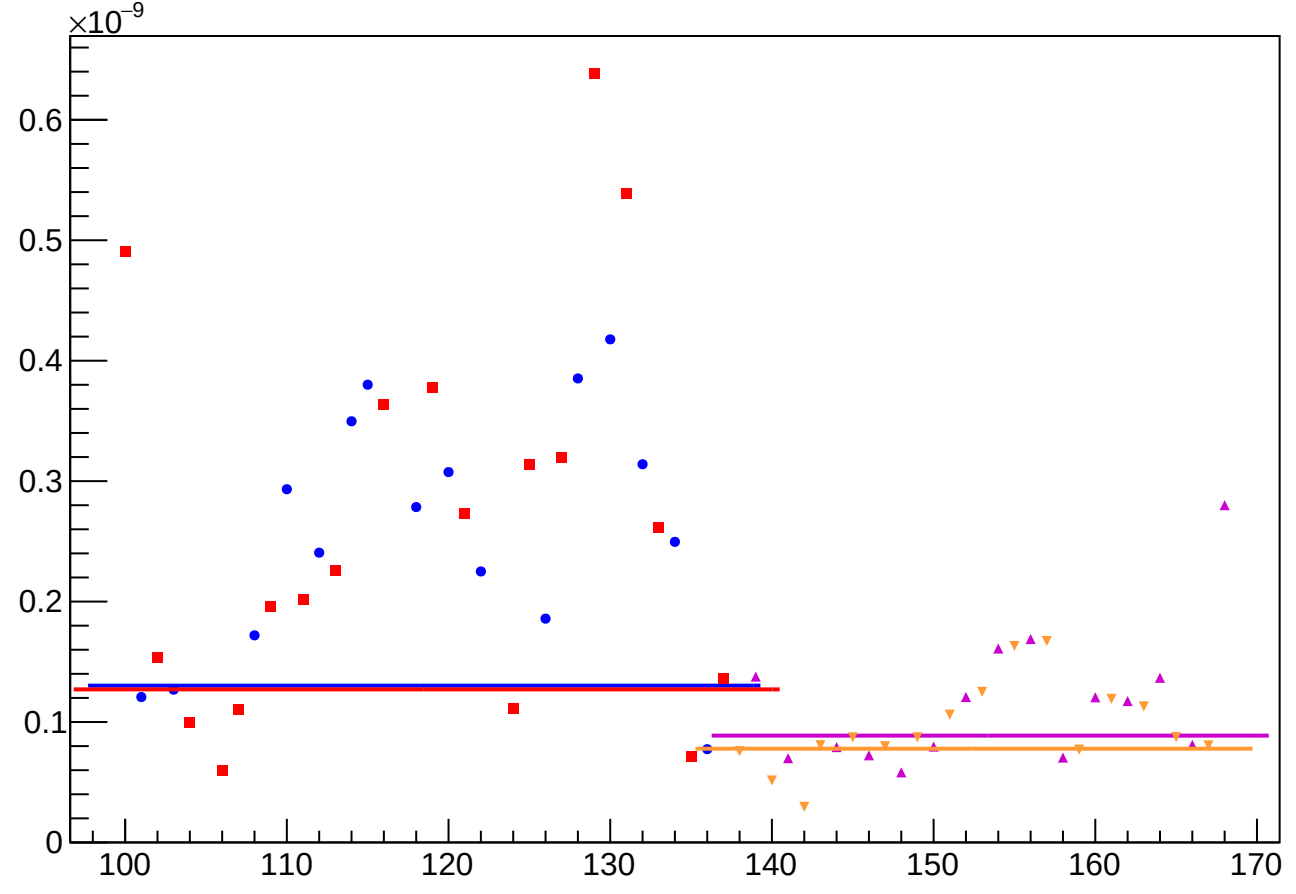
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 27.3/31

All: 0.000+/-0.000 χ^2/NDF: 69.7/65

- sign 0.000+/-0.000 χ^2/NDF: 42.3/33



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1222685.4/15

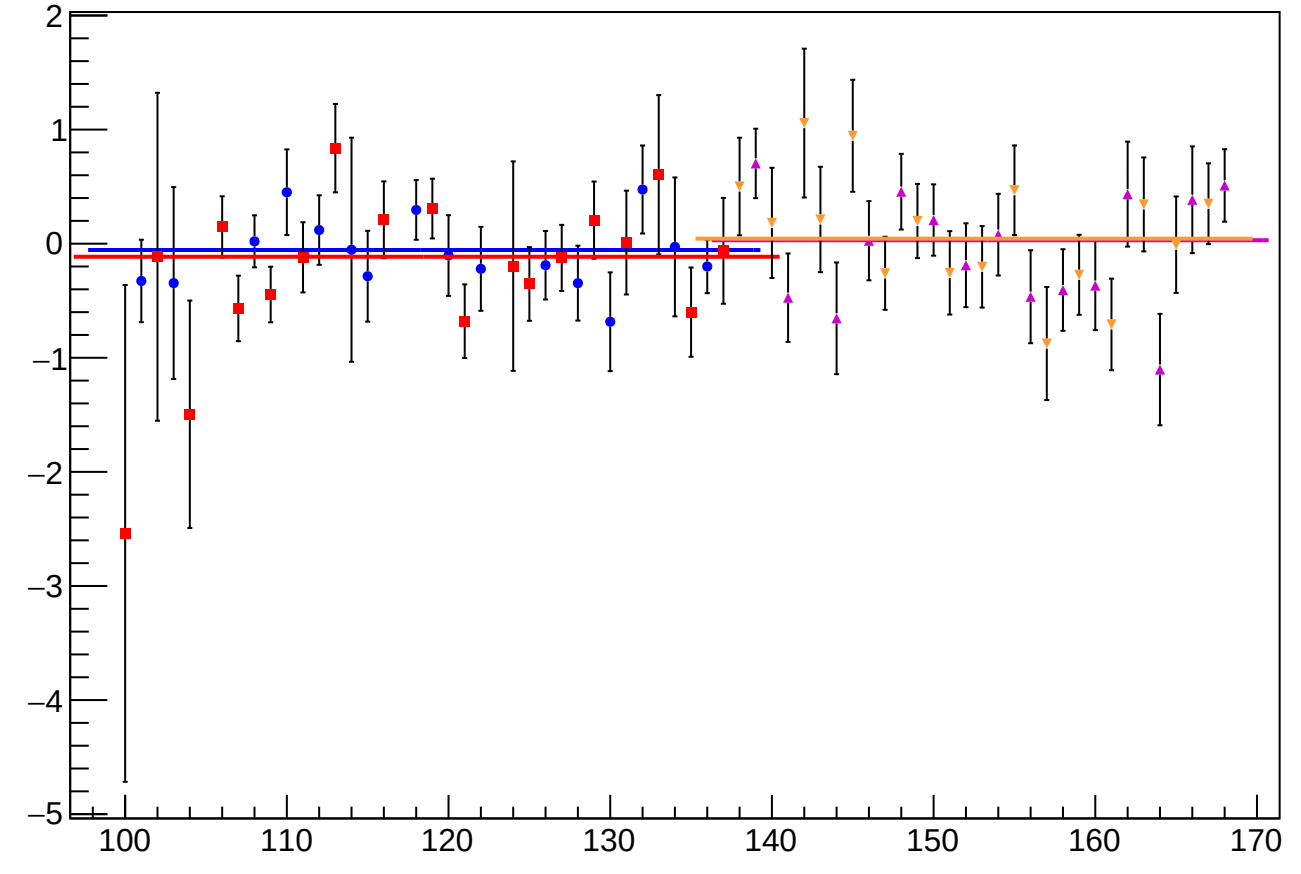
Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1215693.7/14

+ sign 0.000+/-0.000 χ^2/NDF: 3167122.3/31

All: 0.000+/-0.000 χ^2/NDF: 6484349.8/65

- sign 0.000+/-0.000 χ^2/NDF: 3248234.2/33



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.044+/-0.100 χ^2/NDF:19.6/15

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

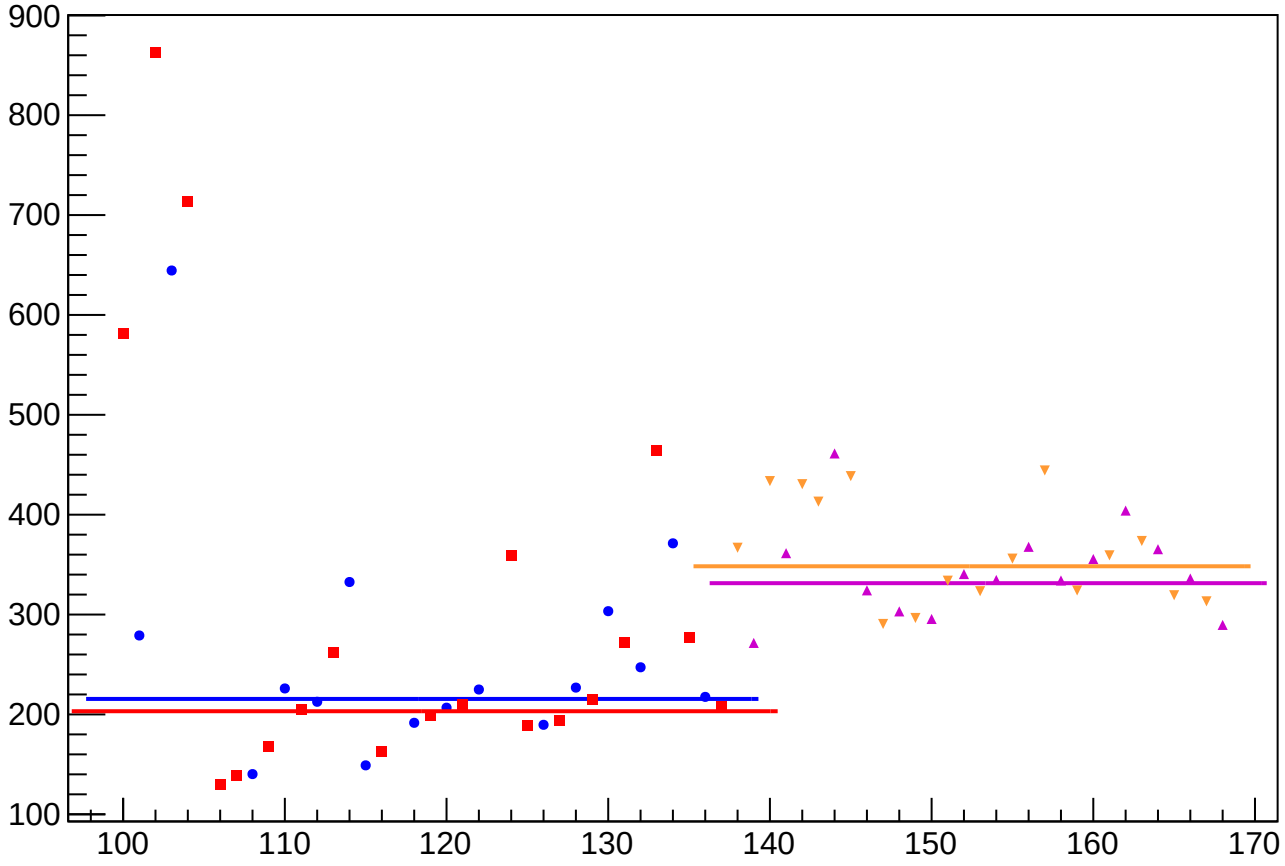
Left In: 0.030+/-0.096 χ^2/NDF:23.9/14

+ sign -0.013+/-0.065 χ^2/NDF: 30.9/31

All: -0.034+/-0.045 χ^2/NDF: 81.5/65

- sign -0.052+/-0.063 χ^2/NDF: 50.4/33

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: 348.337+/-0.071 χ^2/NDF:457008.1/15

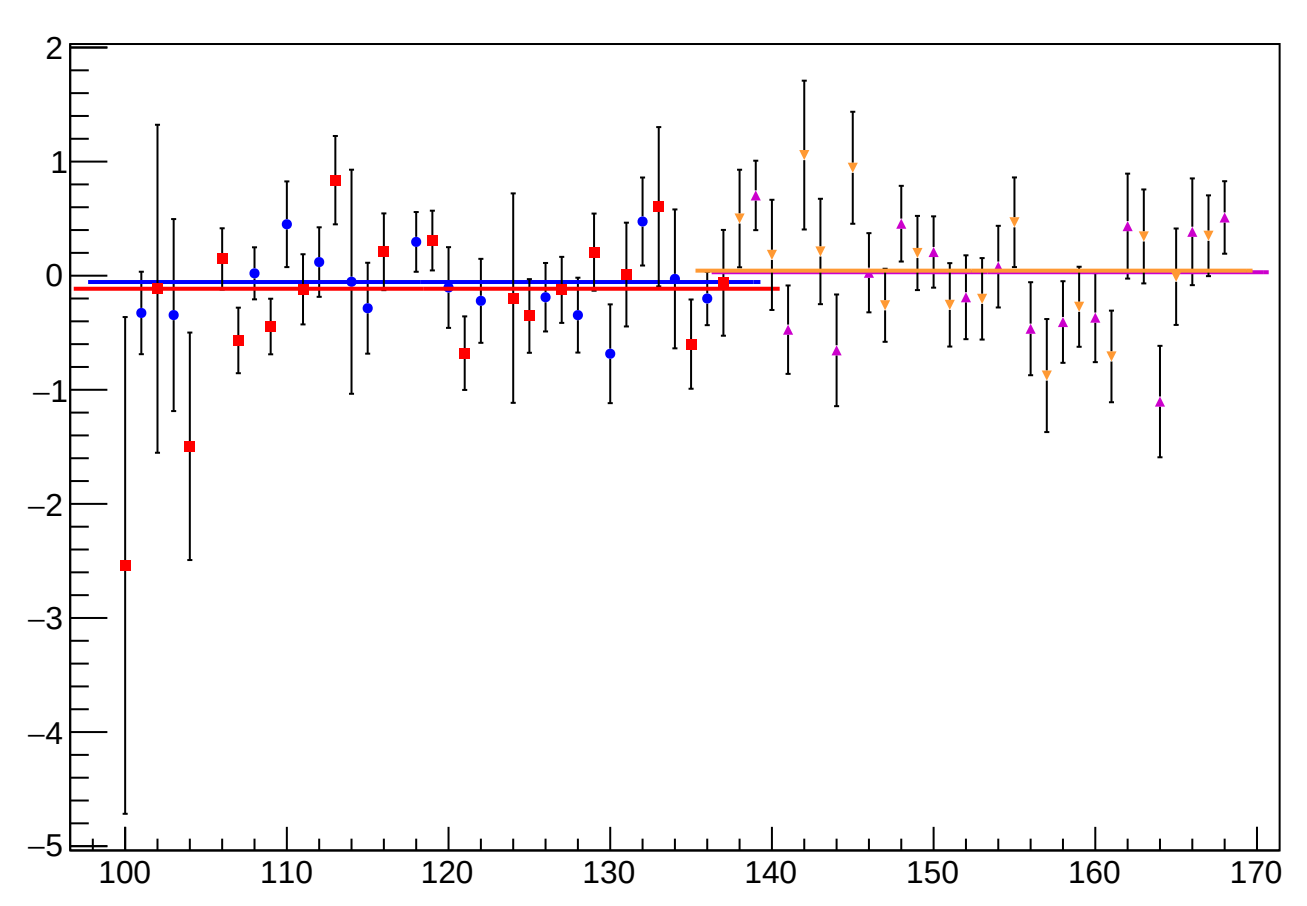
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 331.417+/-0.068 χ^2/NDF:391326.5/14

+ sign 271.539+/-0.046 χ^2/NDF: 3642792.1/31

All: 264.623+/-0.032 χ^2/NDF: 7947712.1/65

- sign 258.142+/-0.044 χ^2/NDF: 4261048.6/33



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.044+/-0.100 χ^2/NDF:19.6/15

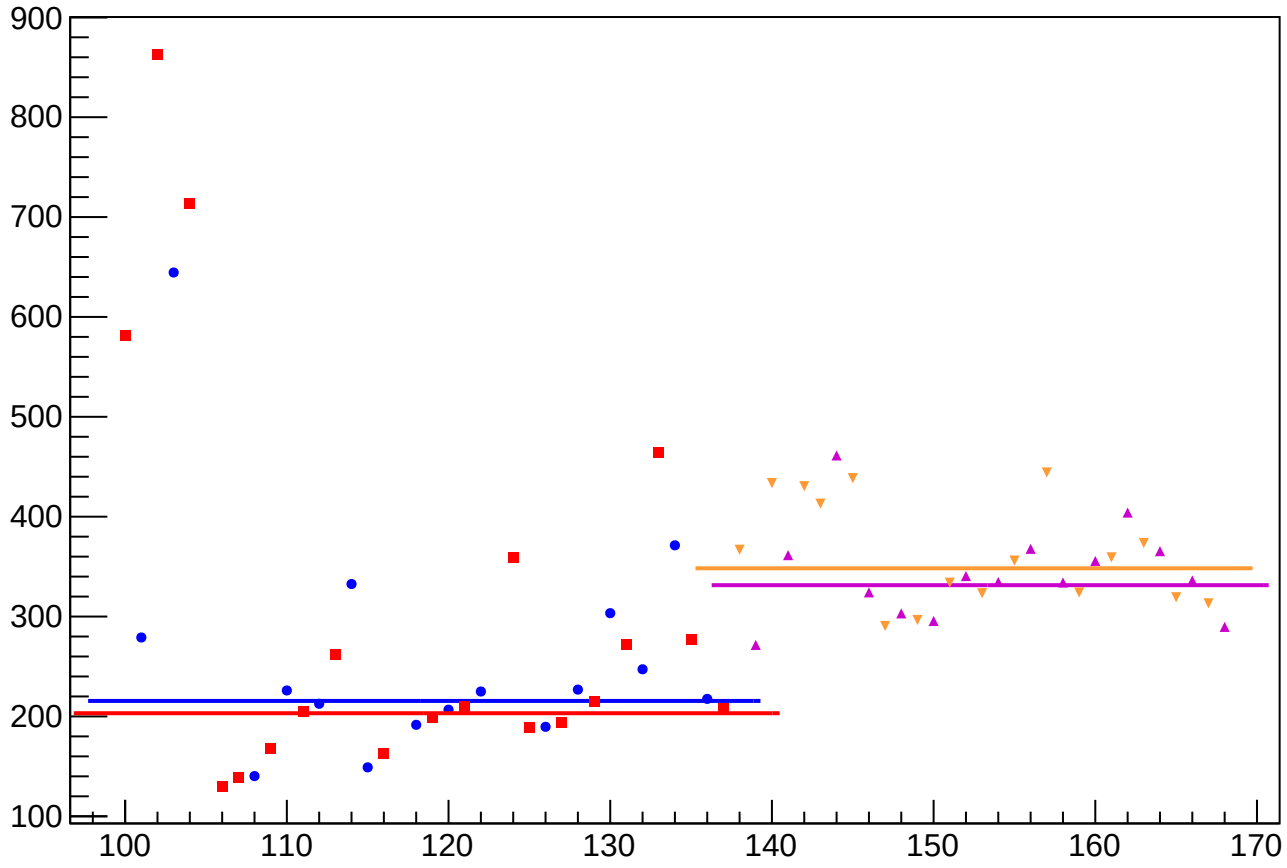
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.030+/-0.096 χ^2/NDF:23.9/14

+ sign -0.013+/-0.065 χ^2/NDF: 30.9/31

All: -0.034+/-0.045 χ^2/NDF: 81.5/65

- sign -0.052+/-0.063 χ^2/NDF: 50.4/33



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 348.337+/-0.071 χ^2/NDF:457008.1/15

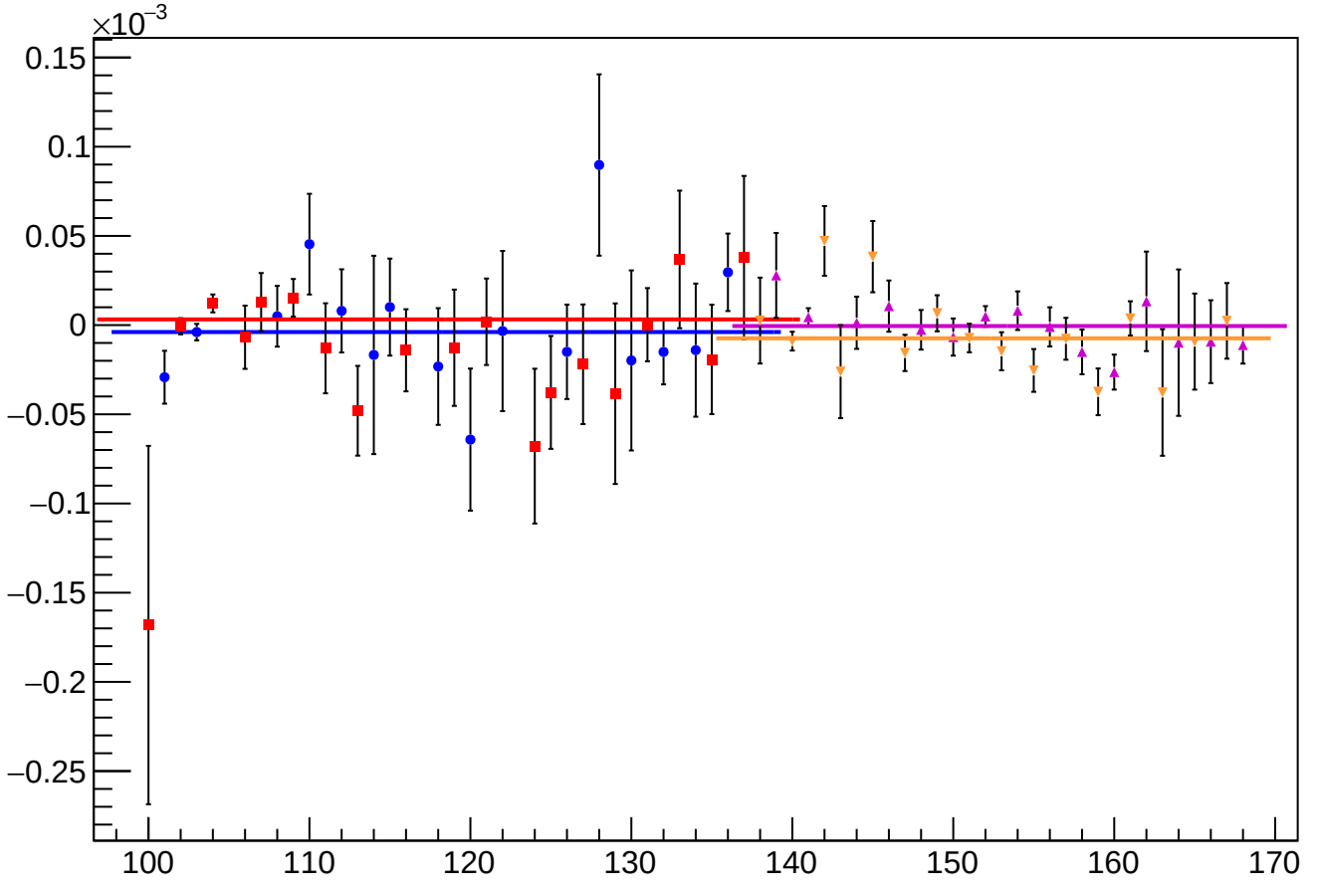
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 331.417+/-0.068 χ^2/NDF:391326.5/14

+ sign 271.539+/-0.046 χ^2/NDF: 3642792.1/31

All: 264.623+/-0.032 χ^2/NDF: 7947712.1/65

- sign 258.142+/-0.044 χ^2/NDF: 4261048.6/33



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.7/15

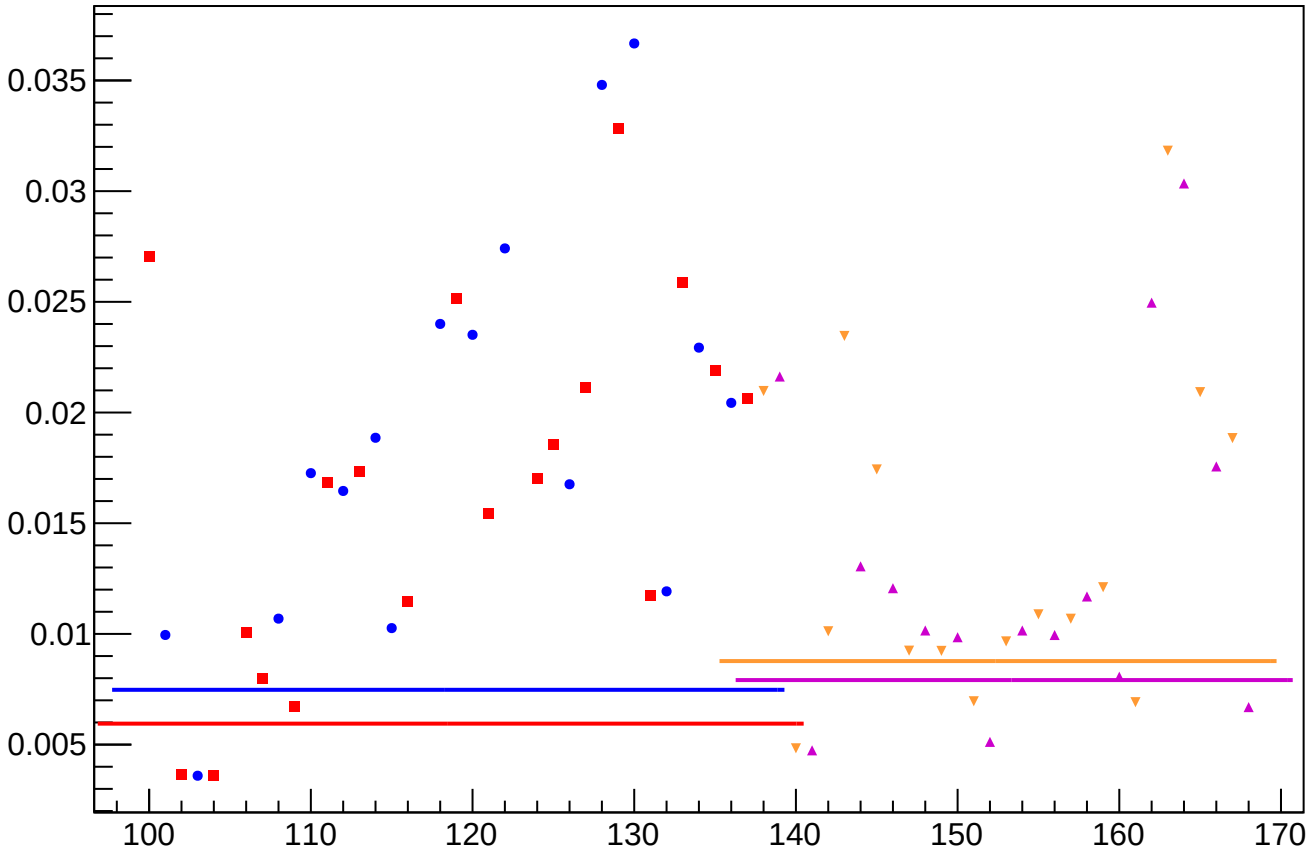
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:14.7/14

+ sign -0.000+/-0.000 χ^2/NDF: 43.2/31

All: -0.000+/-0.000 χ^2/NDF: 86.3/65

- sign 0.000+/-0.000 χ^2/NDF: 37.2/33



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:4800233.3/15

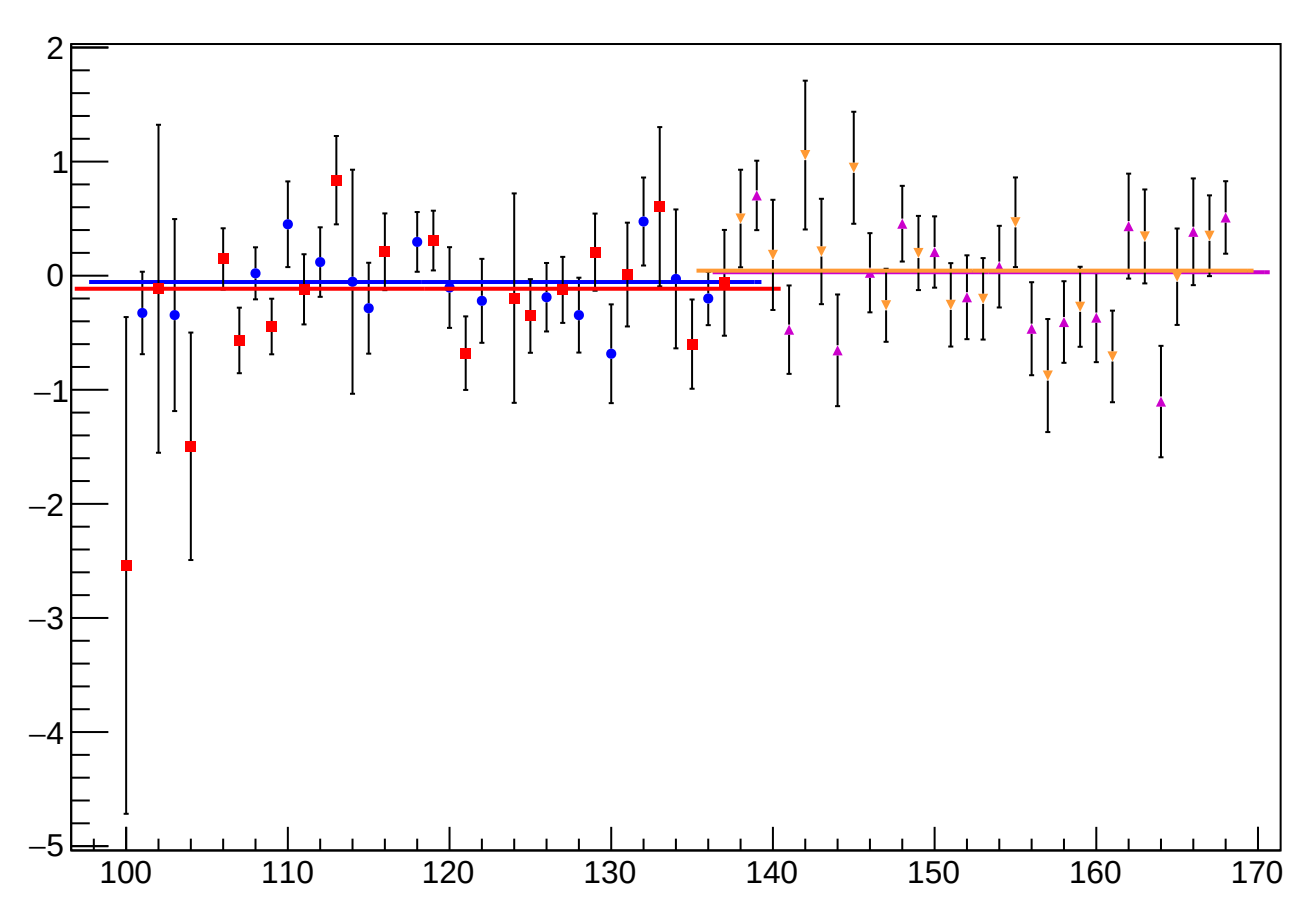
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:4538875.9/14

+ sign 0.008+/-0.000 χ^2/NDF: 11026453.0/31

All: 0.008+/-0.000 χ^2/NDF: 22370595.4/65

- sign 0.007+/-0.000 χ^2/NDF: 10978718.6/33



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.044+/-0.100 χ^2/NDF:19.6/15

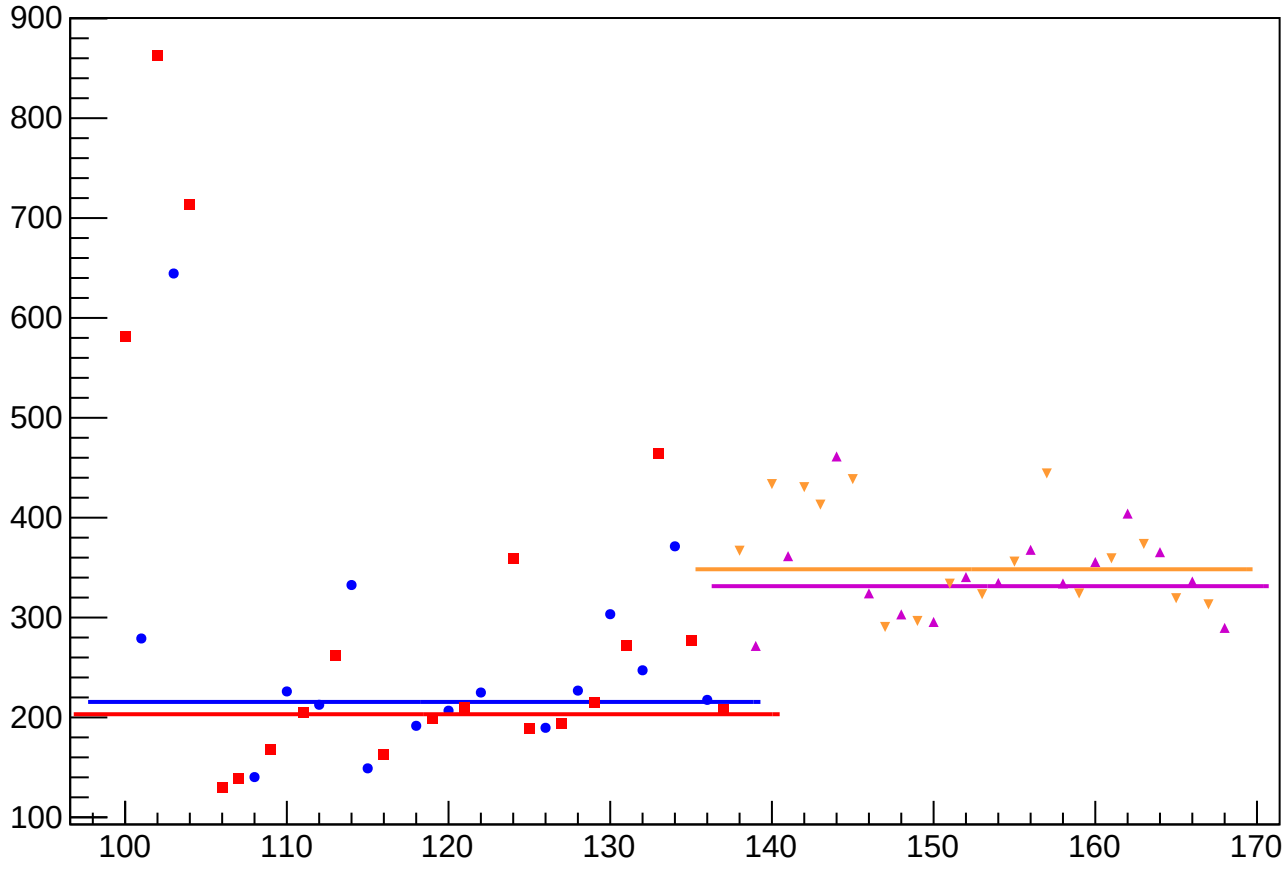
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.030+/-0.096 χ^2/NDF:23.9/14

+ sign -0.013+/-0.065 χ^2/NDF: 30.9/31

All: -0.034+/-0.045 χ^2/NDF: 81.5/65

- sign -0.052+/-0.063 χ^2/NDF: 50.4/33



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 348.343+/-0.071 χ^2/NDF:457001.0/15

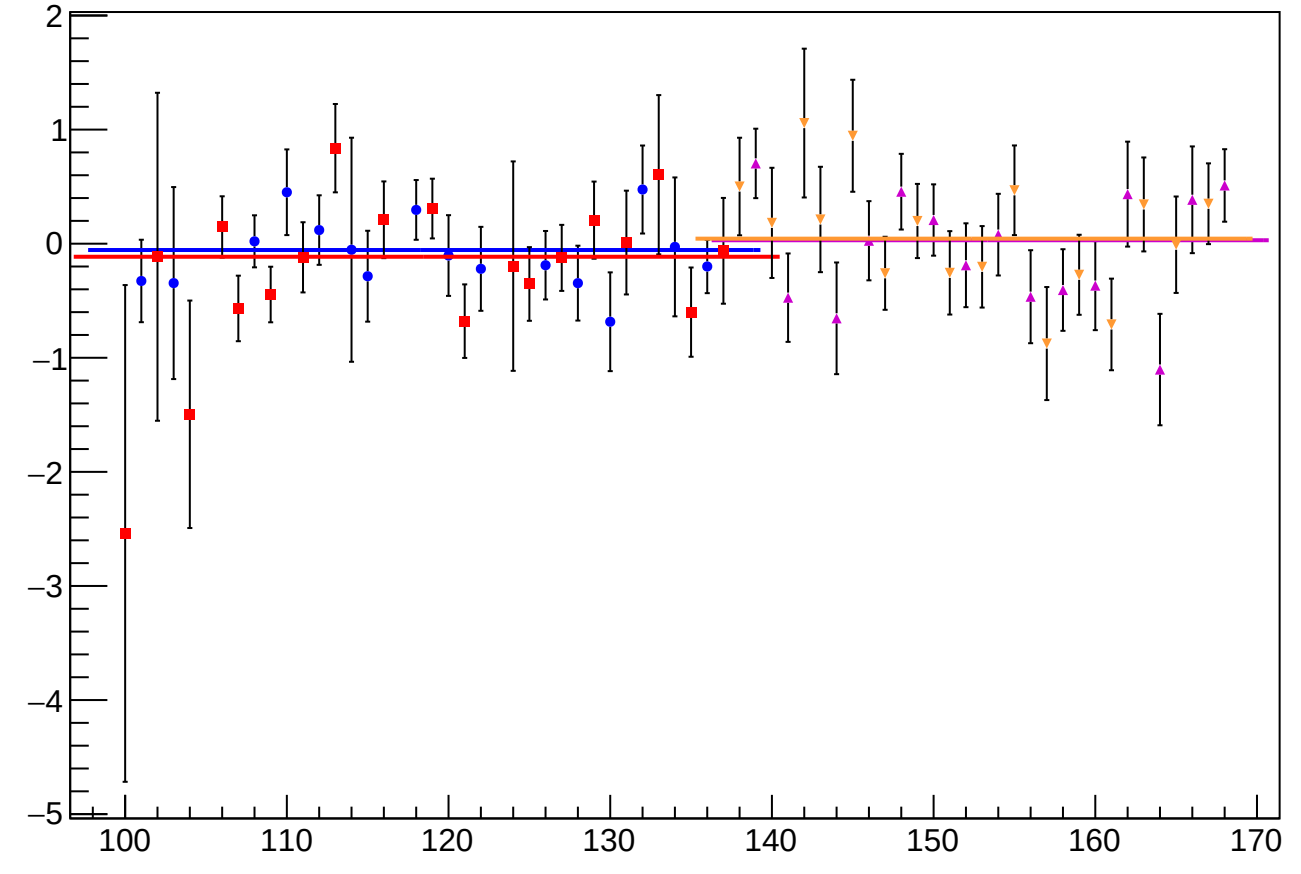
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 331.423+/-0.068 χ^2/NDF:391319.2/14

+ sign 271.539+/-0.046 χ^2/NDF: 3642953.9/31

All: 264.623+/-0.032 χ^2/NDF: 7948057.5/65

- sign 258.142+/-0.044 χ^2/NDF: 4261230.8/33



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.044+/-0.100 χ^2/NDF:19.6/15

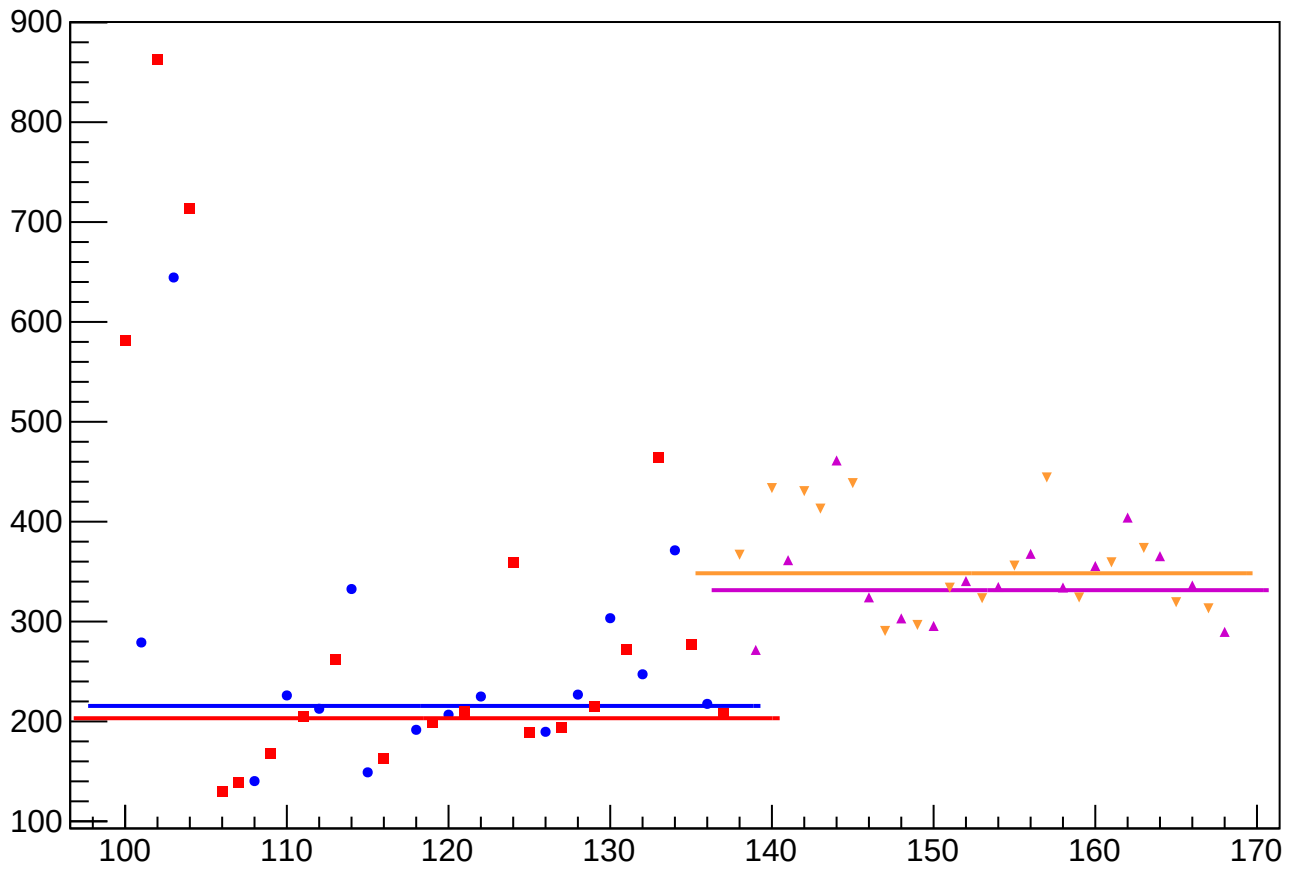
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.030+/-0.096 χ^2/NDF:23.9/14

+ sign -0.013+/-0.065 χ^2/NDF: 30.9/31

All: -0.034+/-0.045 χ^2/NDF: 81.5/65

- sign -0.052+/-0.063 χ^2/NDF: 50.4/33



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 348.343+/-0.071 χ^2/NDF:457001.0/15

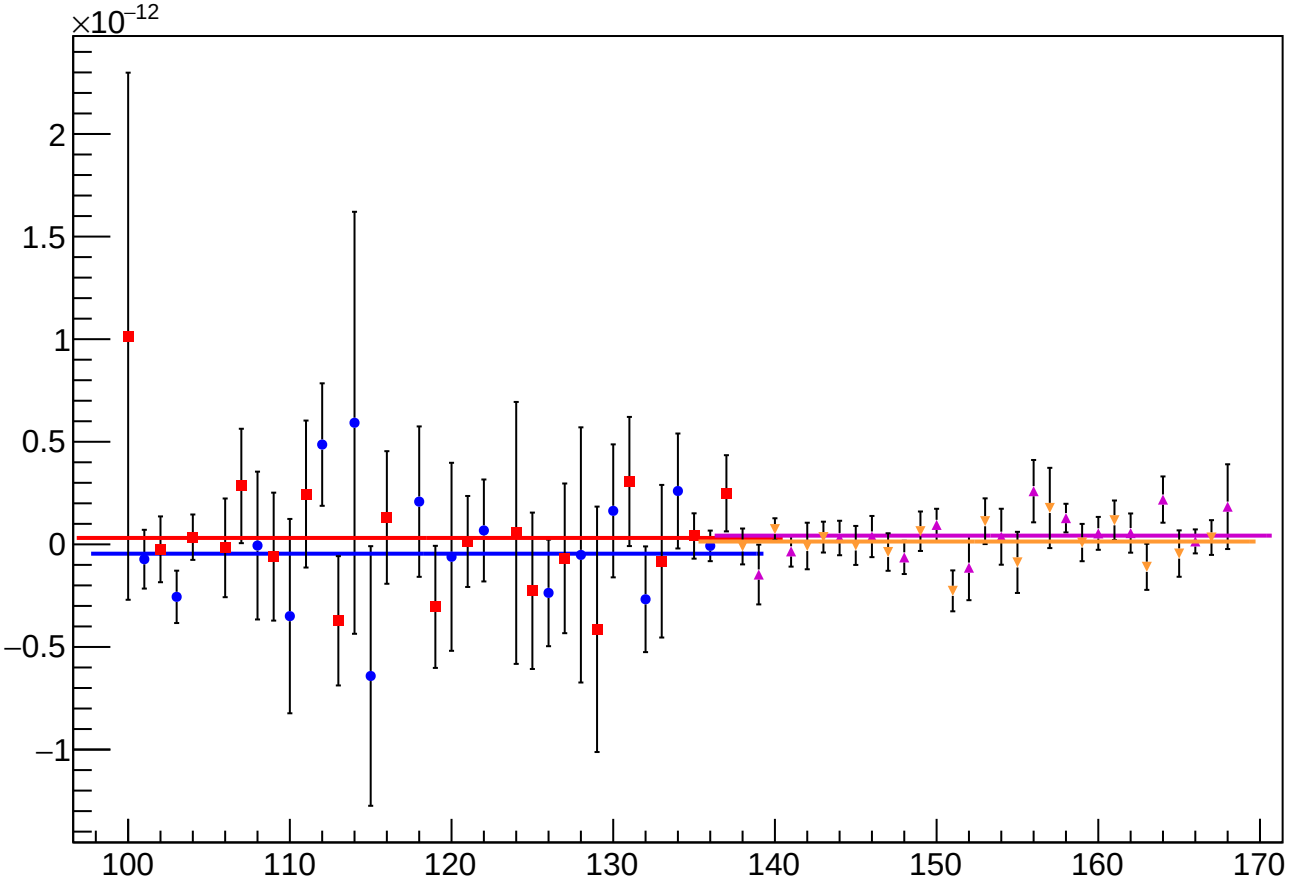
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 331.423+/-0.068 χ^2/NDF:391319.2/14

+ sign 271.539+/-0.046 χ^2/NDF: 3642953.9/31

All: 264.623+/-0.032 χ^2/NDF: 7948057.5/65

- sign 258.142+/-0.044 χ^2/NDF: 4261230.8/33



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/15

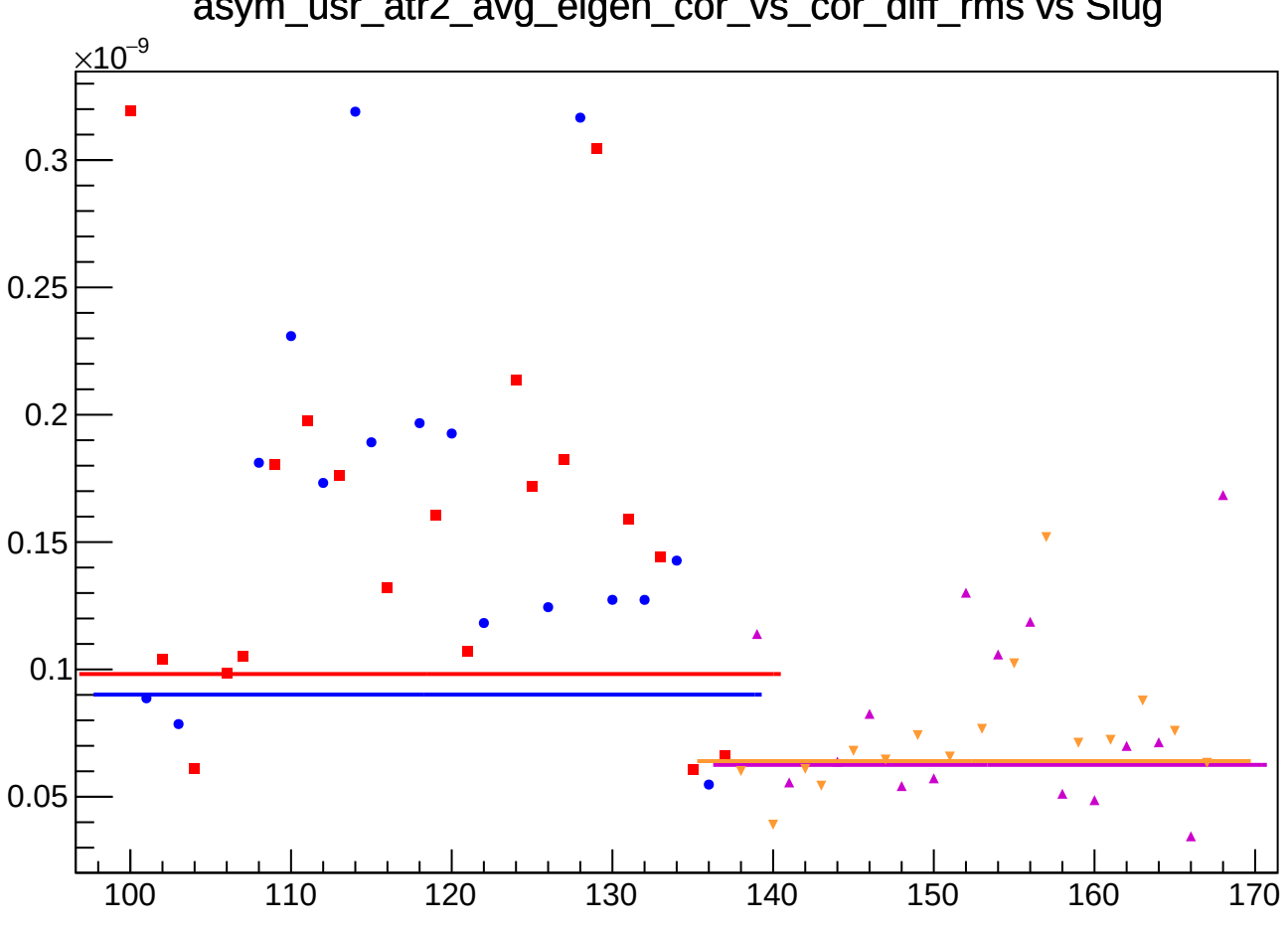
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 25.2/31

All: 0.000+/-0.000 χ^2/NDF: 47.7/65

- sign 0.000+/-0.000 χ^2/NDF: 21.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1210444.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

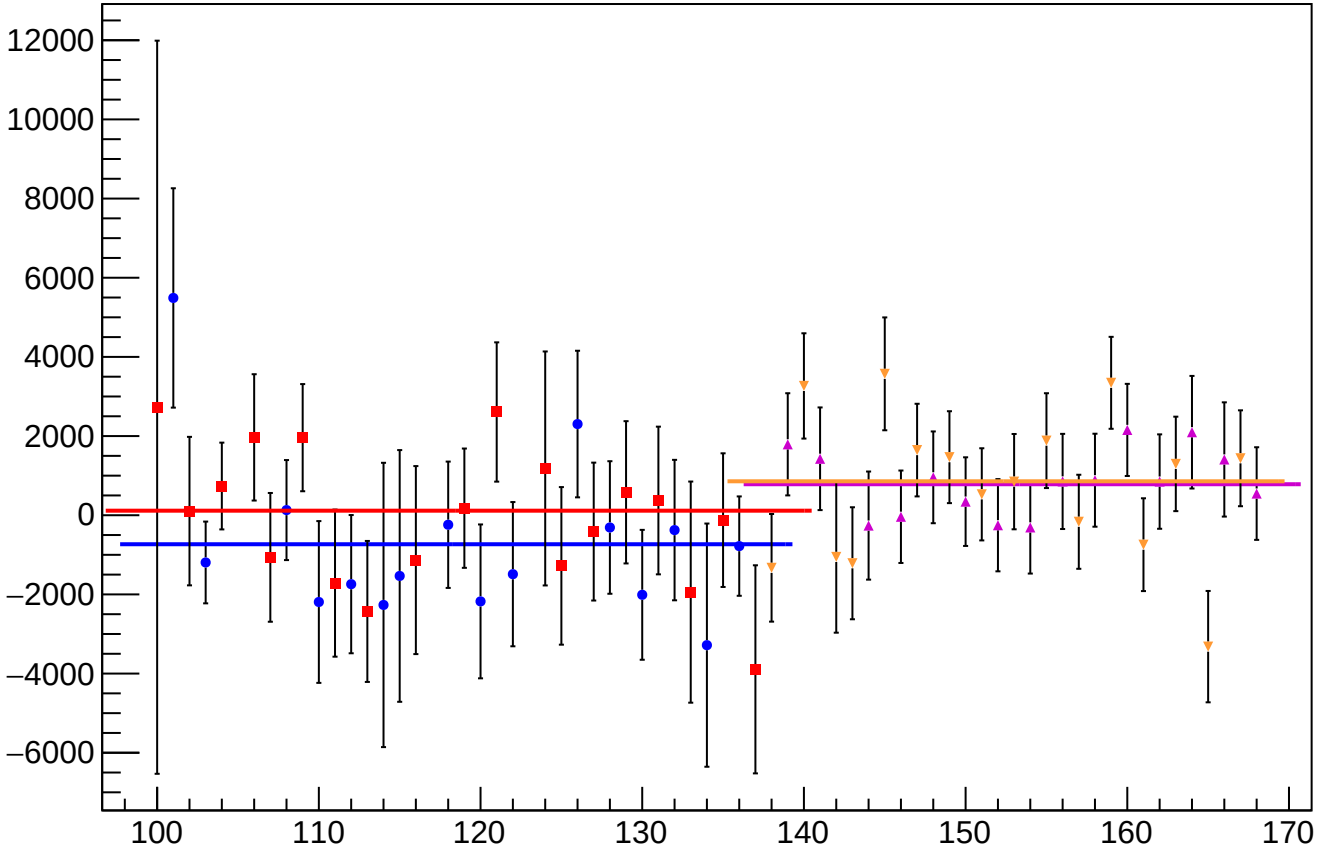
Left In: 0.000+/-0.000 χ^2/NDF:2339520.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 3467172.6/31

All: 0.000+/-0.000 χ^2/NDF: 8278888.2/65

- sign 0.000+/-0.000 χ^2/NDF: 4811715.7/33

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 857.572+/-315.672 χ^2/NDF:30.6/15

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

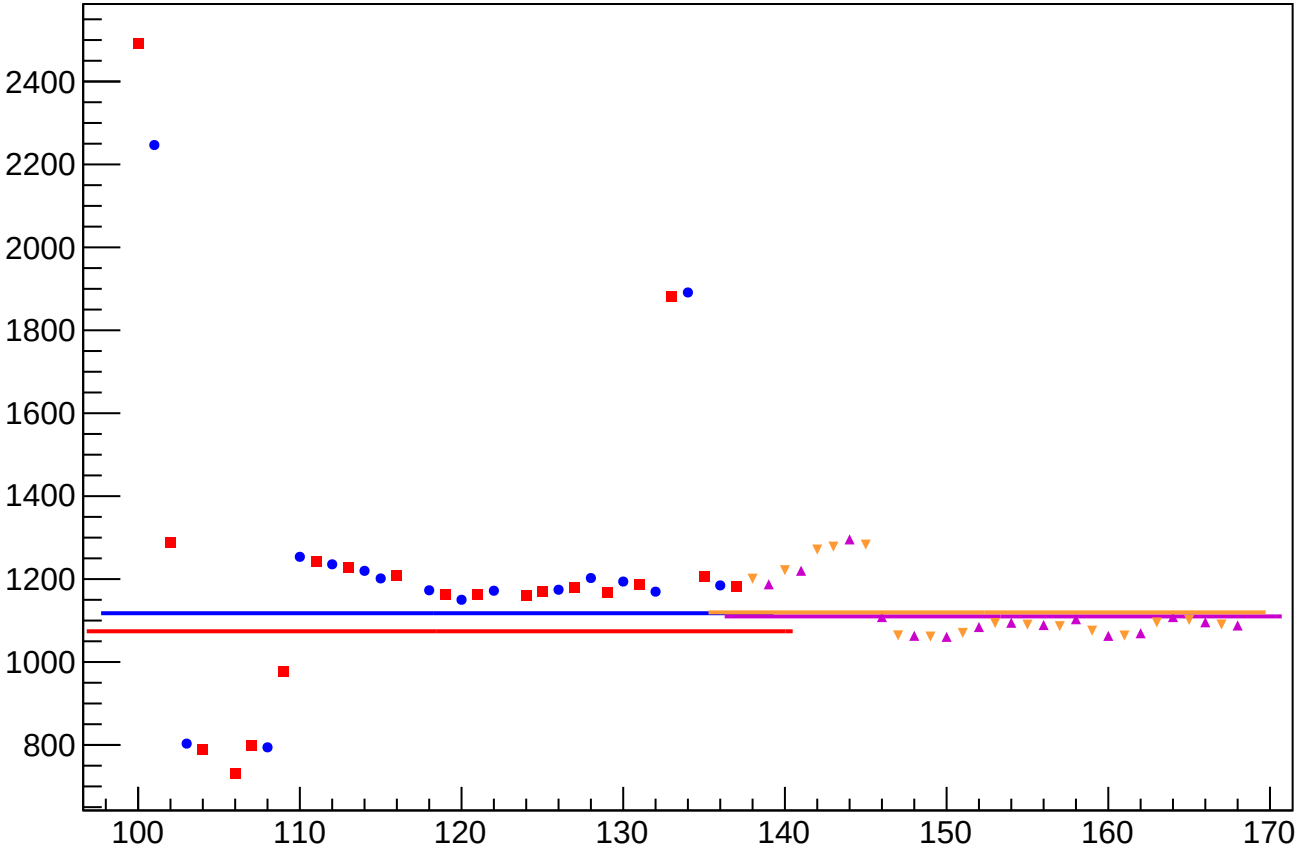
Left In: 783.233+/-315.550 χ^2/NDF:6.3/14

+ sign 296.220+/-253.918 χ^2/NDF: 51.2/31

All: 417.668+/-178.286 χ^2/NDF: 72.7/65

- sign 535.763+/-250.389 χ^2/NDF: 21.0/33

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1119.719+/-0.223 χ^2/NDF:109400.6/15

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

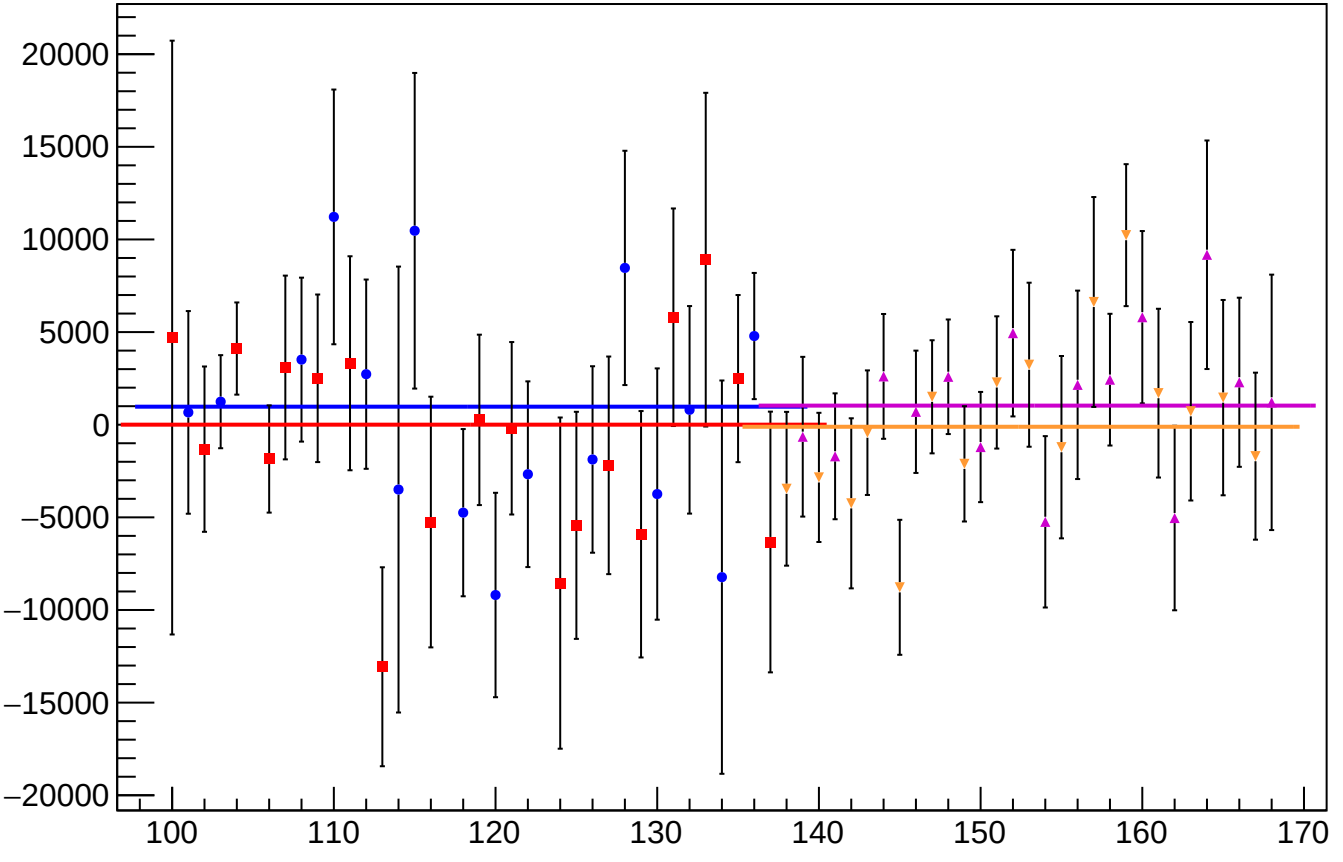
Left In: 1110.029+/-0.223 χ^2/NDF:74173.4/14

+ sign 1119.001+/-0.180 χ^2/NDF: 929265.1/31

All: 1107.609+/-0.126 χ^2/NDF: 1670540.2/65

- sign 1096.601+/-0.177 χ^2/NDF: 733359.5/33

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -110.310+/-995.648 χ^2/NDF:18.6/15

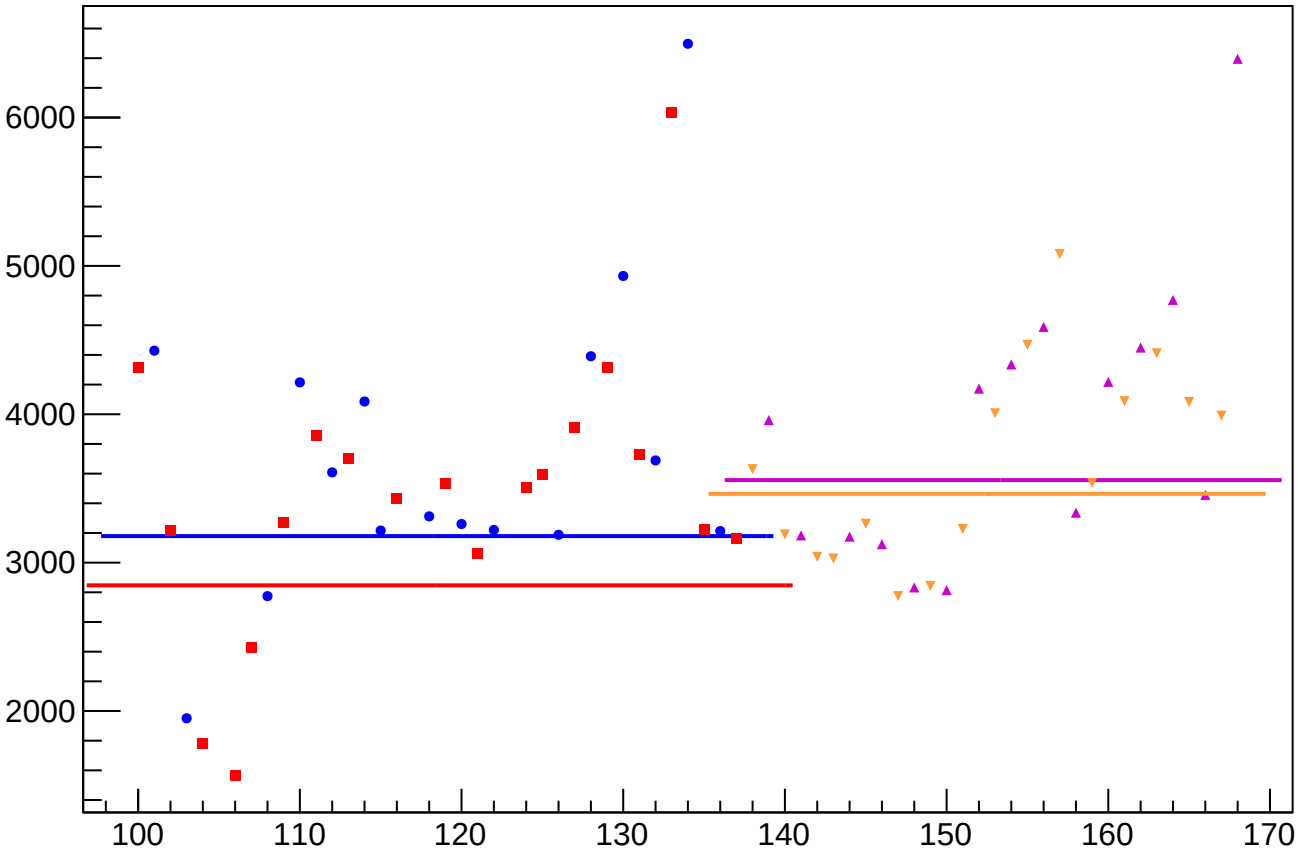
Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: 1031.380+/-1034.862 χ^2/NDF:9.0/14

+ sign 317.668+/-774.567 χ^2/NDF: 32.9/31

All: 438.829+/-541.808 χ^2/NDF: 59.0/65

- sign 554.911+/-758.161 χ^2/NDF: 26.0/33



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3463.730+/-0.704 χ^2/NDF:709708.0/15

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

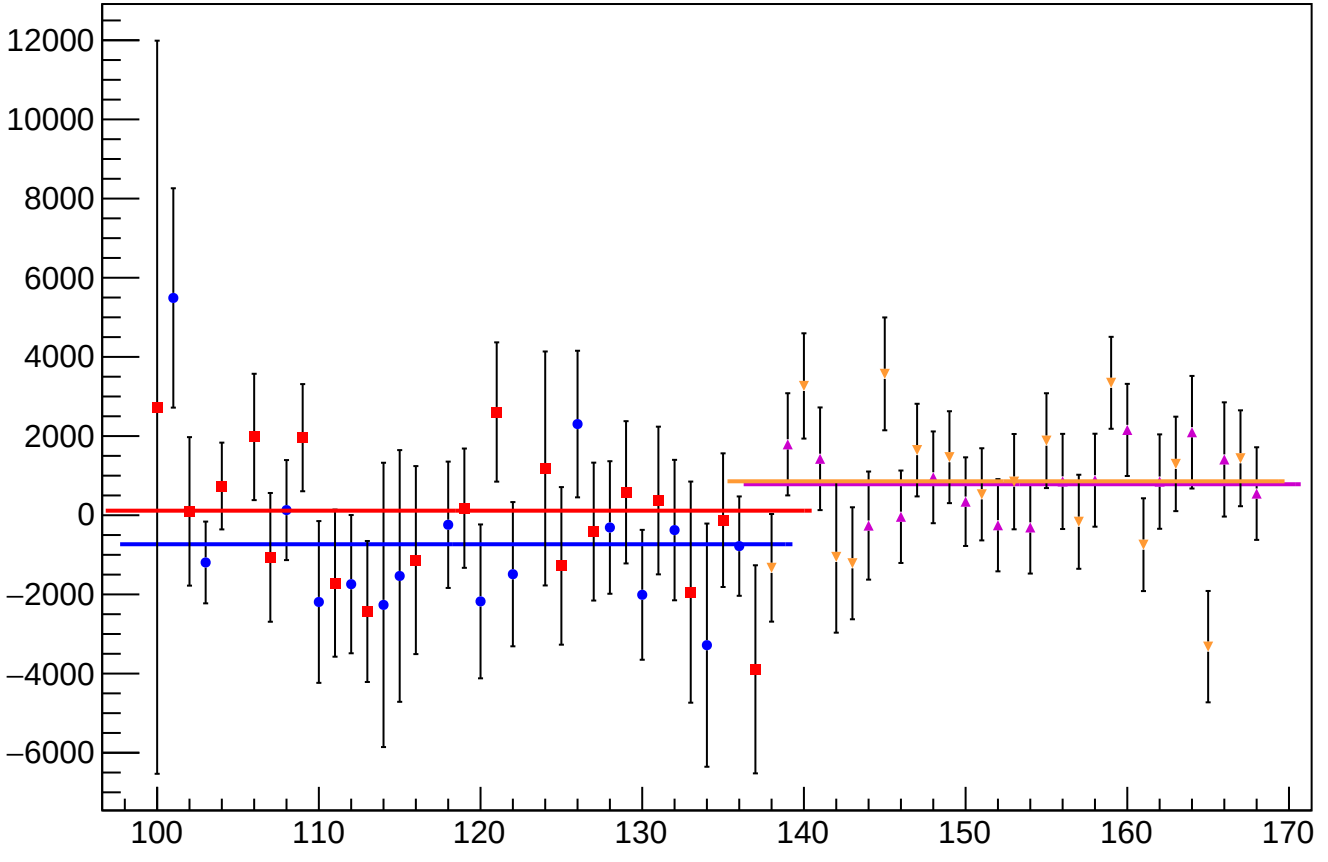
Left In: 3556.269+/-0.732 χ^2/NDF:1042506.2/14

+ sign 3351.270+/-0.548 χ^2/NDF: 1866016.7/31

All: 3288.160+/-0.383 χ^2/NDF: 4880893.2/65

- sign 3227.695+/-0.536 χ^2/NDF: 2988878.3/33

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 857.658+/-315.672 χ^2/NDF:30.6/15

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

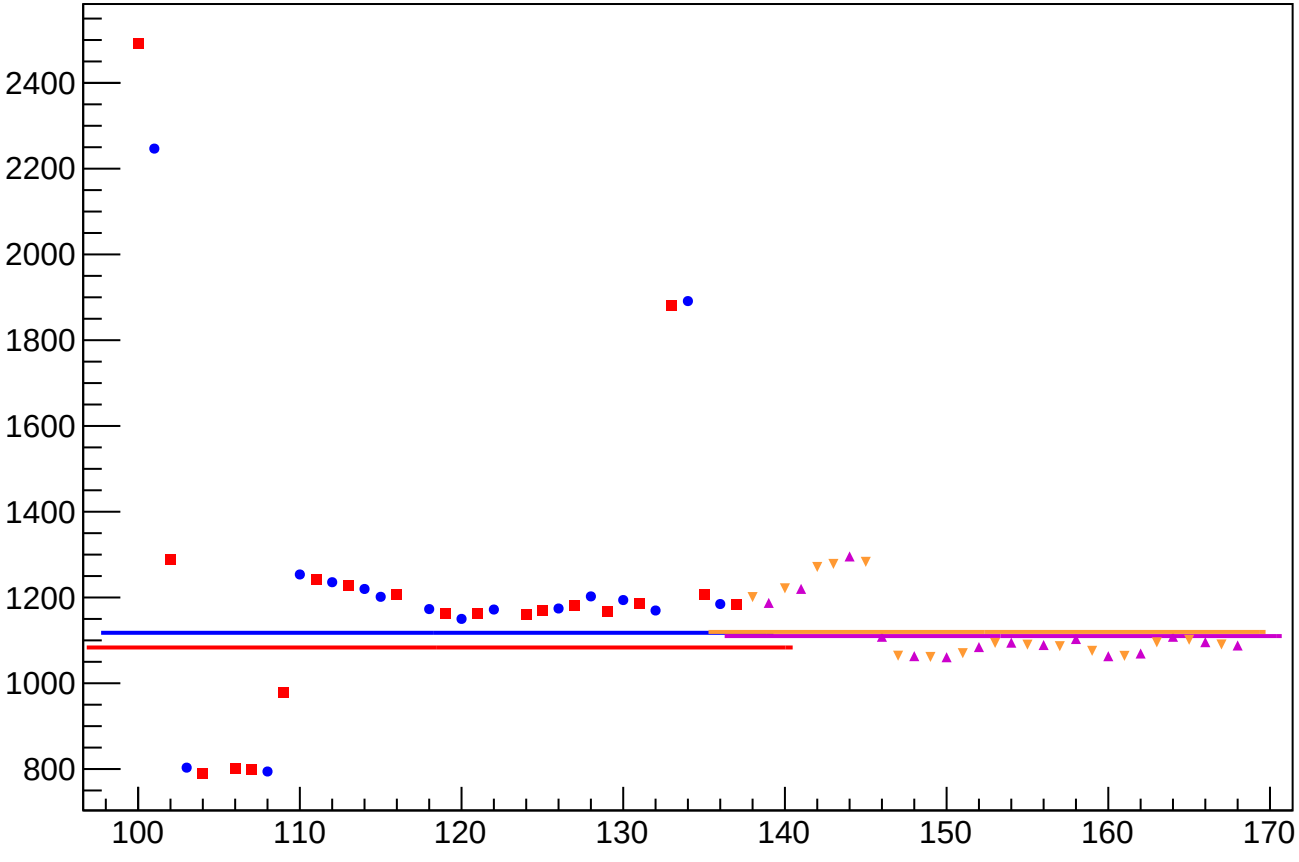
Left In: 783.225+/-315.550 χ^2/NDF:6.3/14

+ sign 296.299+/-253.919 χ^2/NDF: 51.2/31

All: 417.755+/-178.287 χ^2/NDF: 72.7/65

- sign 535.859+/-250.389 χ^2/NDF: 21.1/33

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1119.720+/-0.223 χ^2/NDF:109400.6/15

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

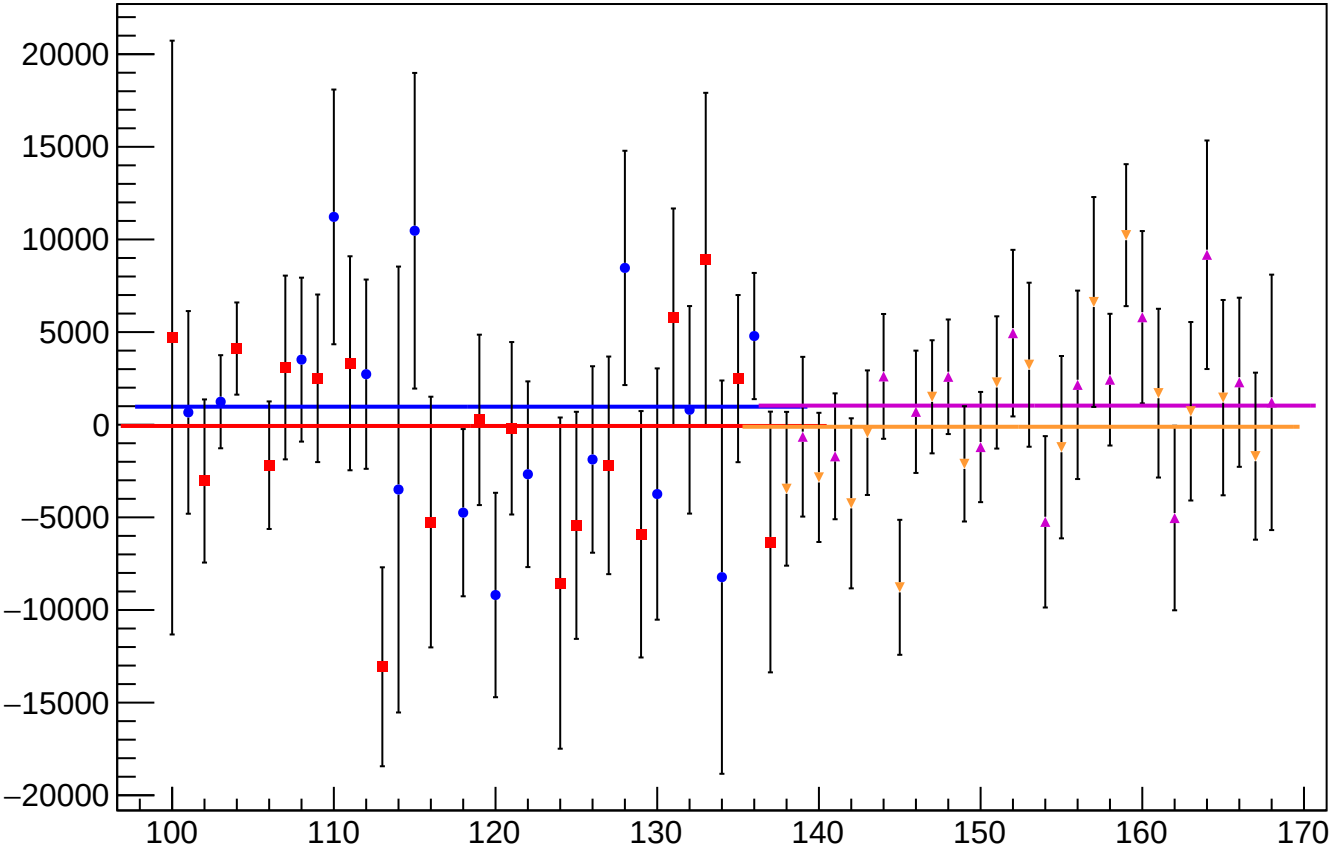
Left In: 1110.029+/-0.223 χ^2/NDF:74173.4/14

+ sign 1119.001+/-0.180 χ^2/NDF: 929261.7/31

All: 1109.437+/-0.126 χ^2/NDF: 1609323.4/65

- sign 1100.151+/-0.177 χ^2/NDF: 674469.3/33

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -110.319+/-995.647 χ^2/NDF:18.6/15

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

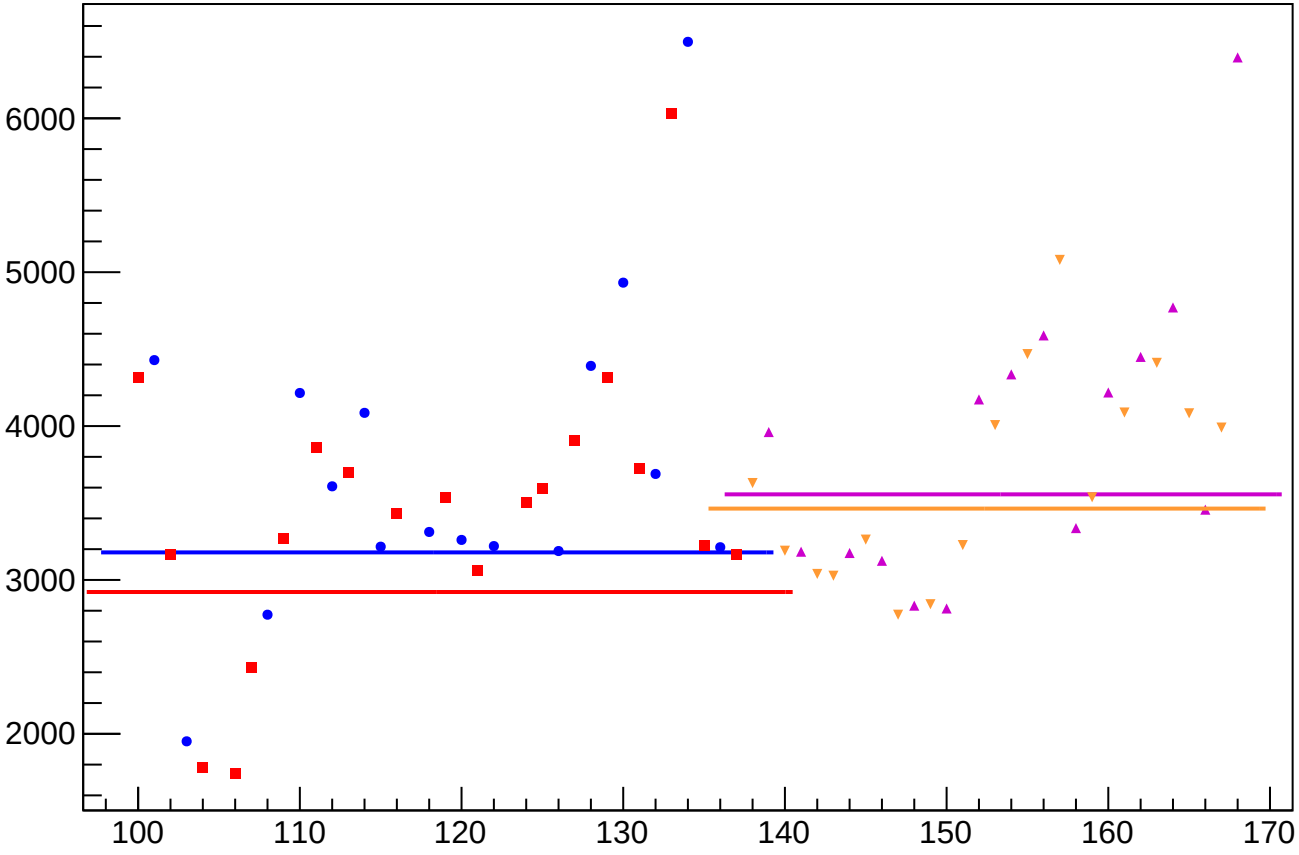
Left In: 1031.392+/-1034.862 χ^2/NDF:9.0/14

+ sign 317.444+/-774.579 χ^2/NDF: 32.9/31

All: 427.042+/-544.507 χ^2/NDF: 59.4/65

- sign 534.113+/-765.597 χ^2/NDF: 26.5/33

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3463.726+/-0.704 χ^2/NDF:709712.3/15

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

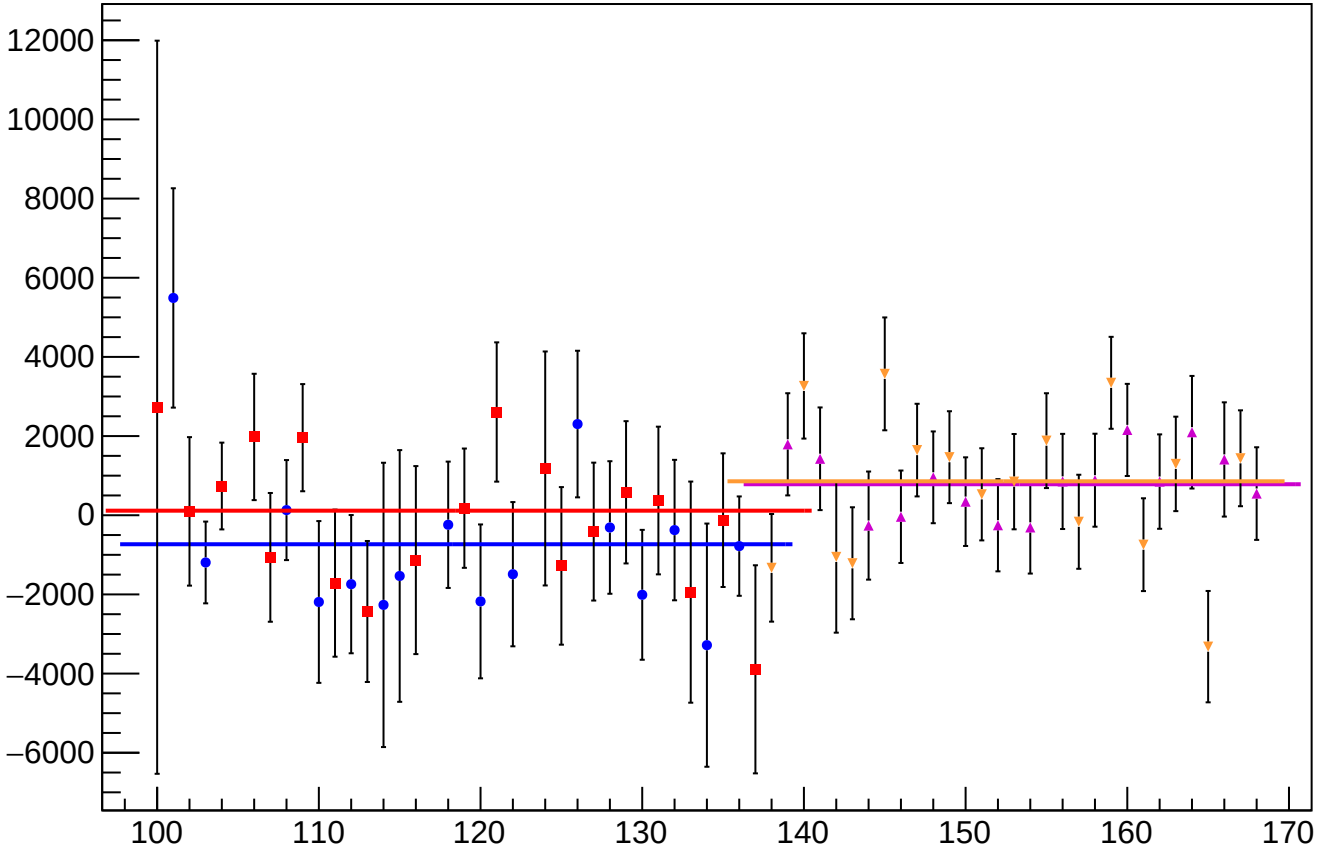
Left In: 3556.268+/-0.732 χ^2/NDF:1042509.3/14

+ sign 3351.346+/-0.548 χ^2/NDF: 1865492.3/31

All: 3309.683+/-0.385 χ^2/NDF: 4572817.8/65

- sign 3268.980+/-0.541 χ^2/NDF: 2695886.2/33

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 857.658+/-315.672 χ^2/NDF:30.6/15

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

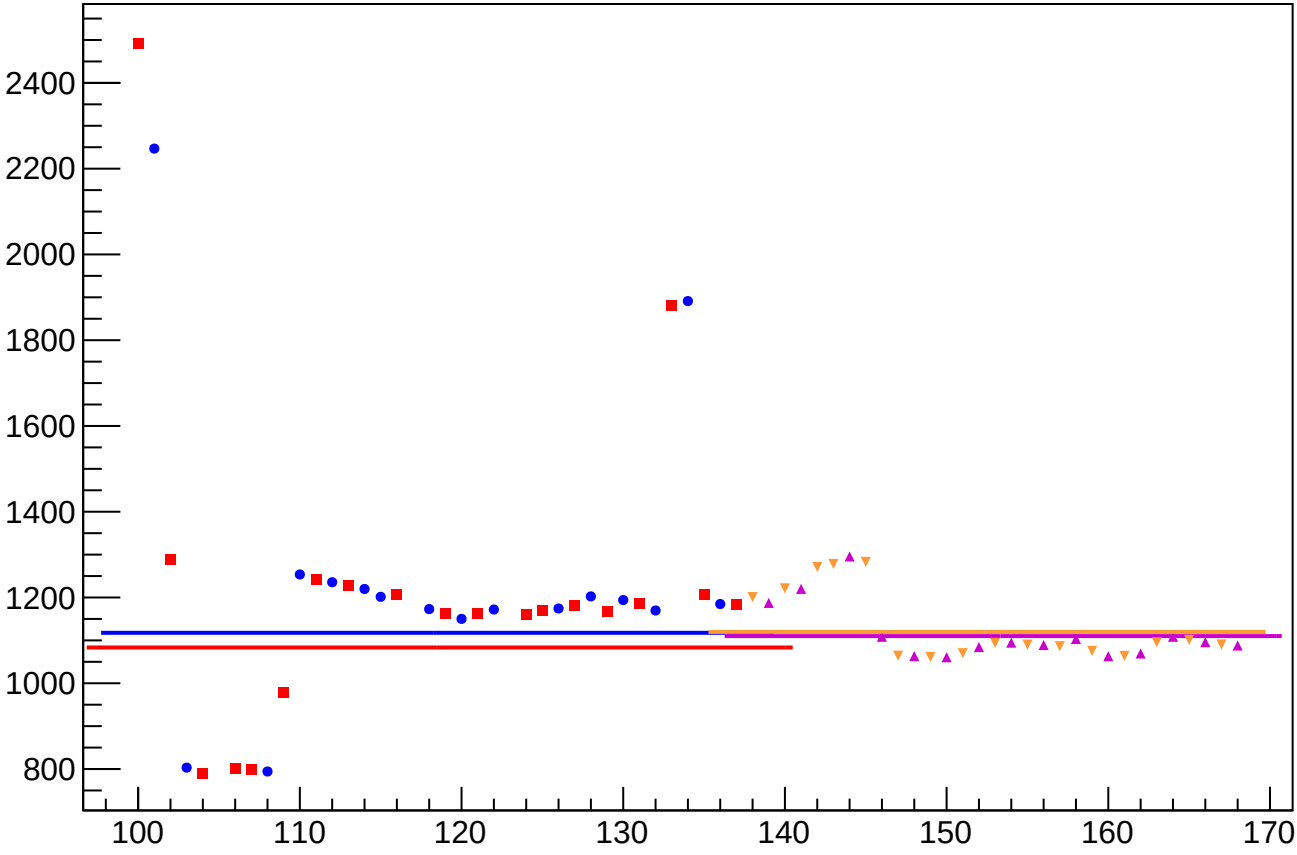
Left In: 783.225+/-315.550 χ^2/NDF:6.3/14

+ sign 296.299+/-253.919 χ^2/NDF: 51.2/31

All: 417.755+/-178.287 χ^2/NDF: 72.7/65

- sign 535.859+/-250.389 χ^2/NDF: 21.1/33

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1119.720+/-0.223 χ^2/NDF:109400.6/15

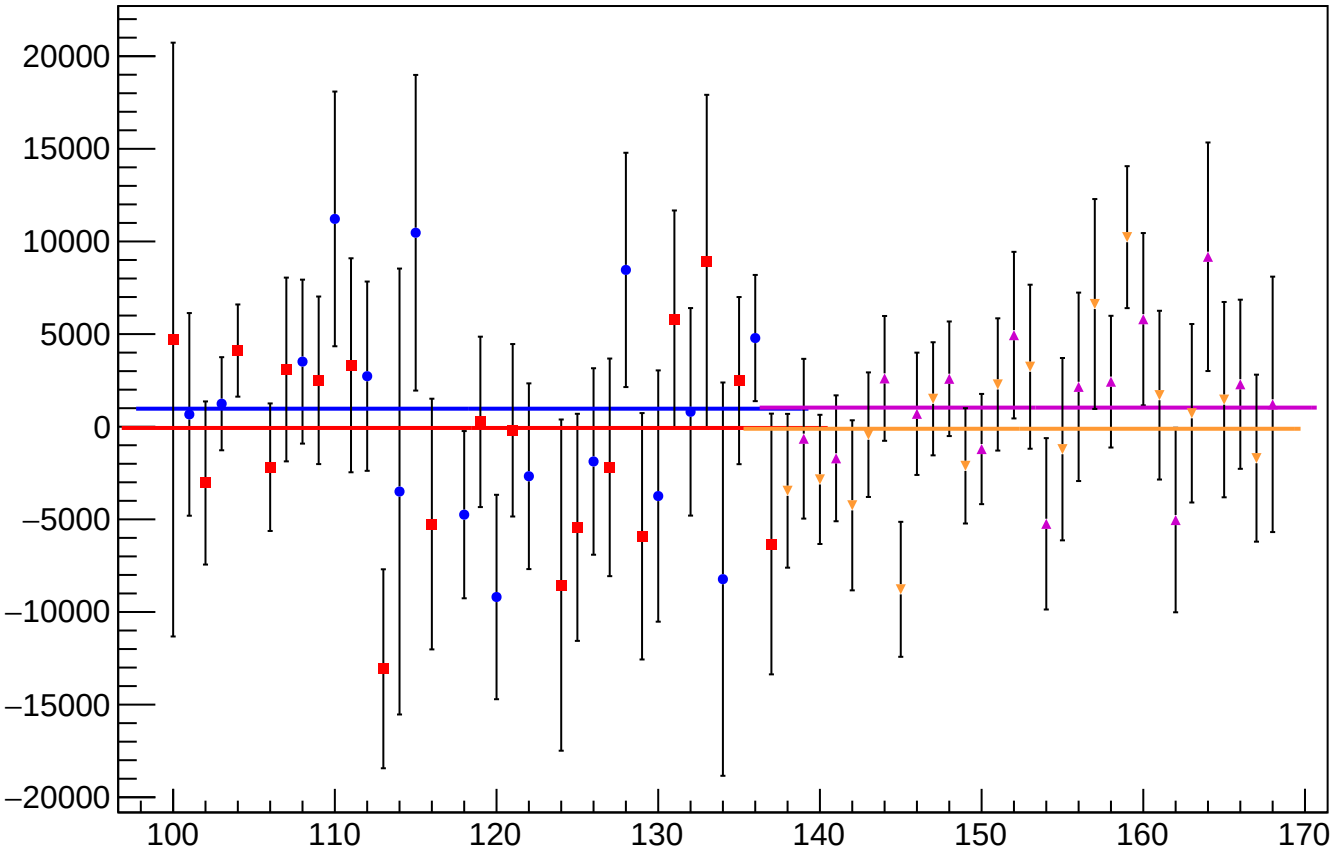
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1110.029+/-0.223 χ^2/NDF:74173.4/14

+ sign 1119.001+/-0.180 χ^2/NDF: 929261.7/31

All: 1109.437+/-0.126 χ^2/NDF: 1609323.4/65

- sign 1100.151+/-0.177 χ^2/NDF: 674469.3/33



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -110.319+/-995.647 χ^2/NDF:18.6/15

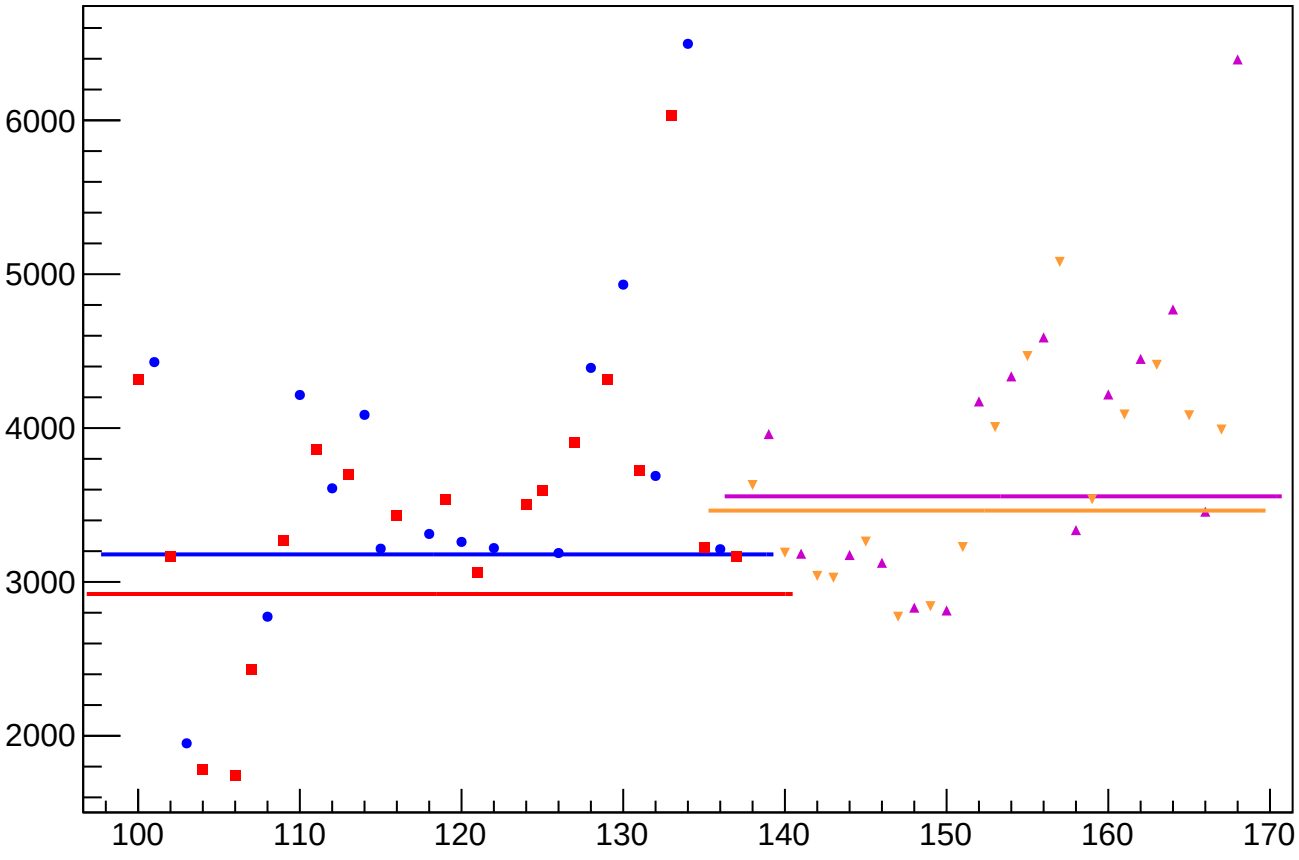
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 1031.392+/-1034.862 χ^2/NDF:9.0/14

+ sign 317.444+/-774.579 χ^2/NDF: 32.9/31

All: 427.042+/-544.507 χ^2/NDF: 59.4/65

- sign 534.113+/-765.597 χ^2/NDF: 26.5/33



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3463.726+/-0.704 χ^2/NDF:709712.3/15

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

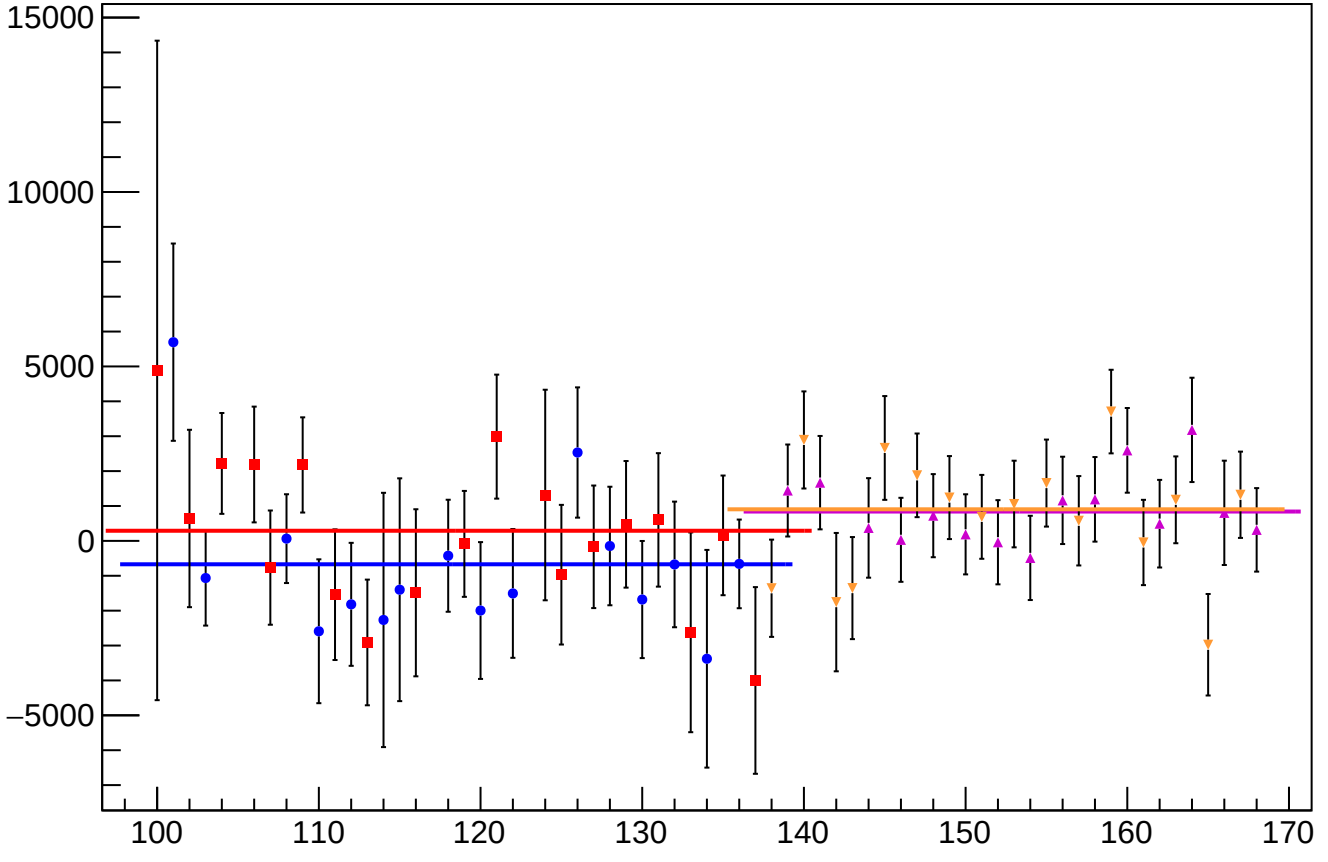
Left In: 3556.268+/-0.732 χ^2/NDF:1042509.3/14

+ sign 3351.346+/-0.548 χ^2/NDF: 1865492.3/31

All: 3309.683+/-0.385 χ^2/NDF: 4572817.8/65

- sign 3268.980+/-0.541 χ^2/NDF: 2695886.2/33

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 905.063+/-327.240 χ^2/NDF:24.8/15

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

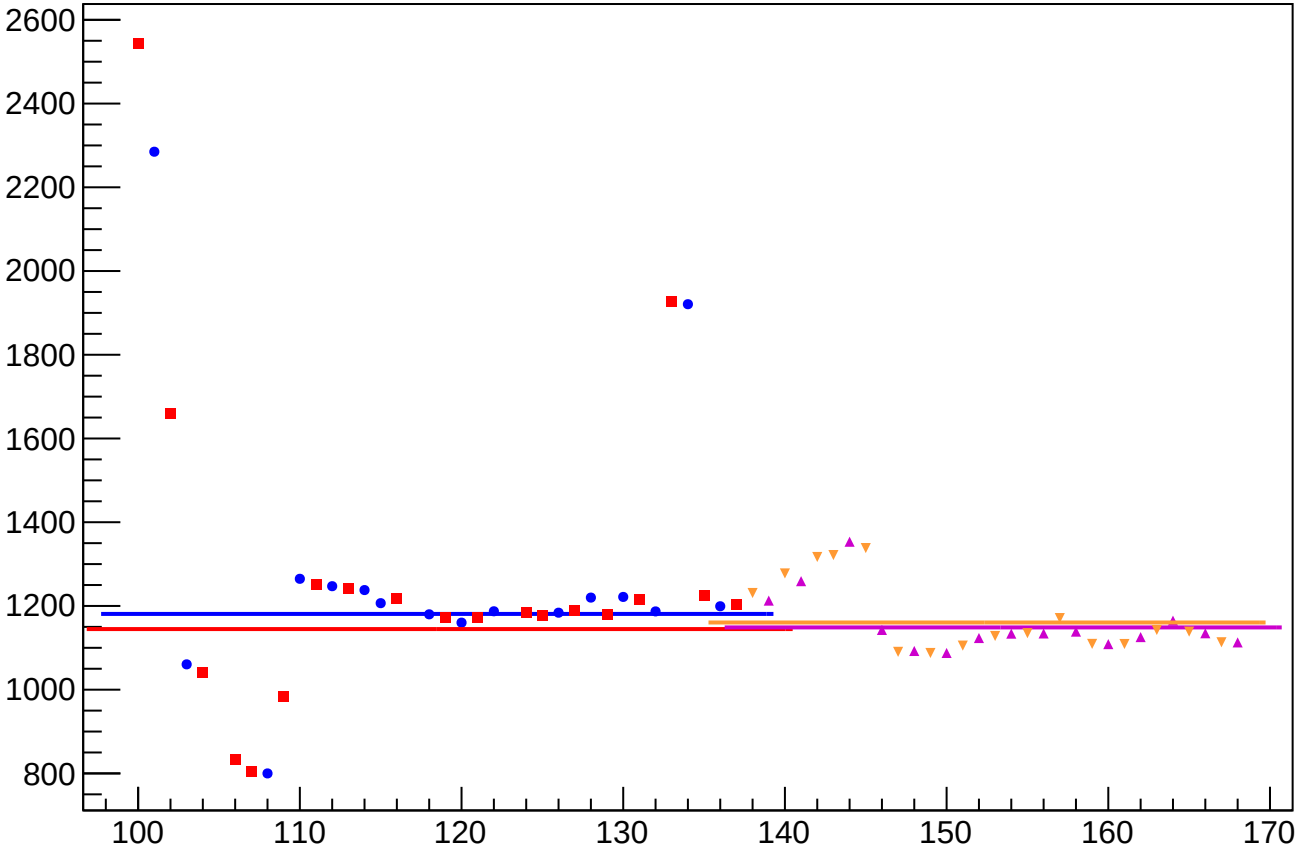
Left In: 840.949+/-326.587 χ^2/NDF:8.2/14

+ sign 357.581+/-264.354 χ^2/NDF: 44.7/31

All: 501.642+/-185.746 χ^2/NDF: 71.5/65

- sign 642.122+/-261.048 χ^2/NDF: 26.2/33

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1160.495+/-0.231 χ^2/NDF:116405.6/15

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

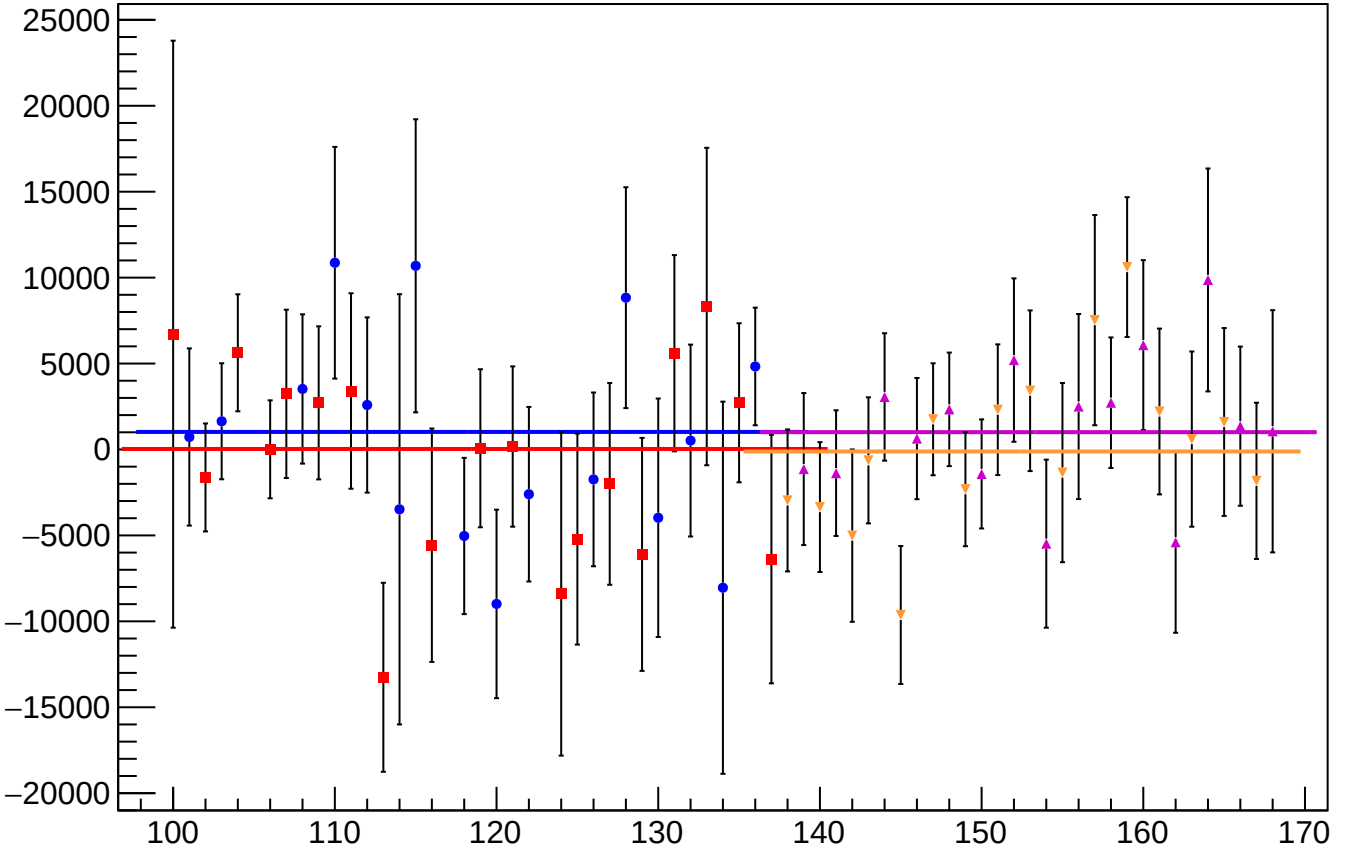
Left In: 1148.712+/-0.231 χ^2/NDF:76296.9/14

+ sign 1167.603+/-0.187 χ^2/NDF: 741000.6/31

All: 1157.317+/-0.131 χ^2/NDF: 1321112.5/65

- sign 1147.290+/-0.185 χ^2/NDF: 574132.4/33

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -117.039+/-1058.710 χ^2/NDF:18.6/15

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

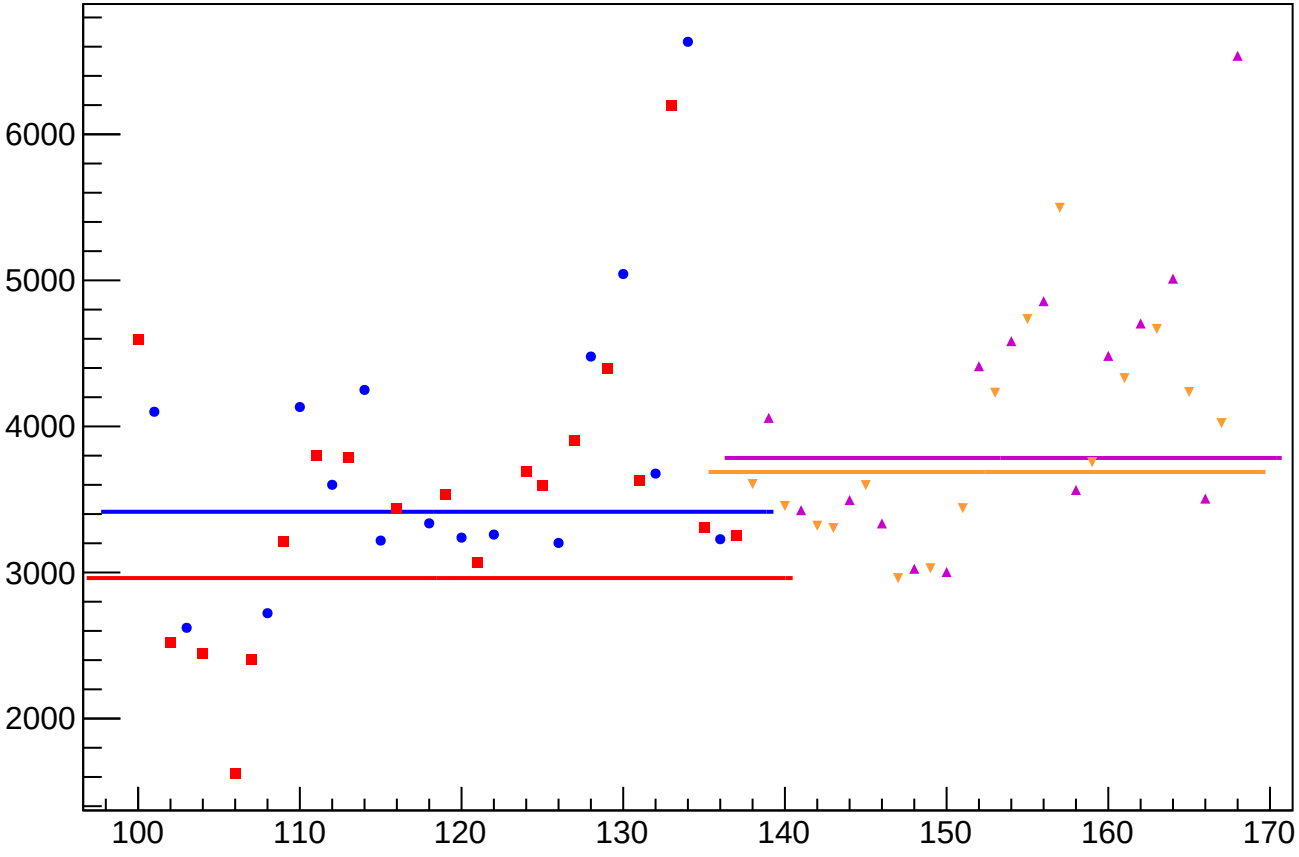
Left In: 1007.740+/-1099.389 χ^2/NDF:8.9/14

\+ sign 335.768+/-821.530 χ^2/NDF: 32.9/31

All: 438.294+/-568.774 χ^2/NDF: 58.4/65

\- sign 532.679+/-788.237 χ^2/NDF: 25.5/33

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3688.028+/-0.749 χ^2/NDF:652538.2/15

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

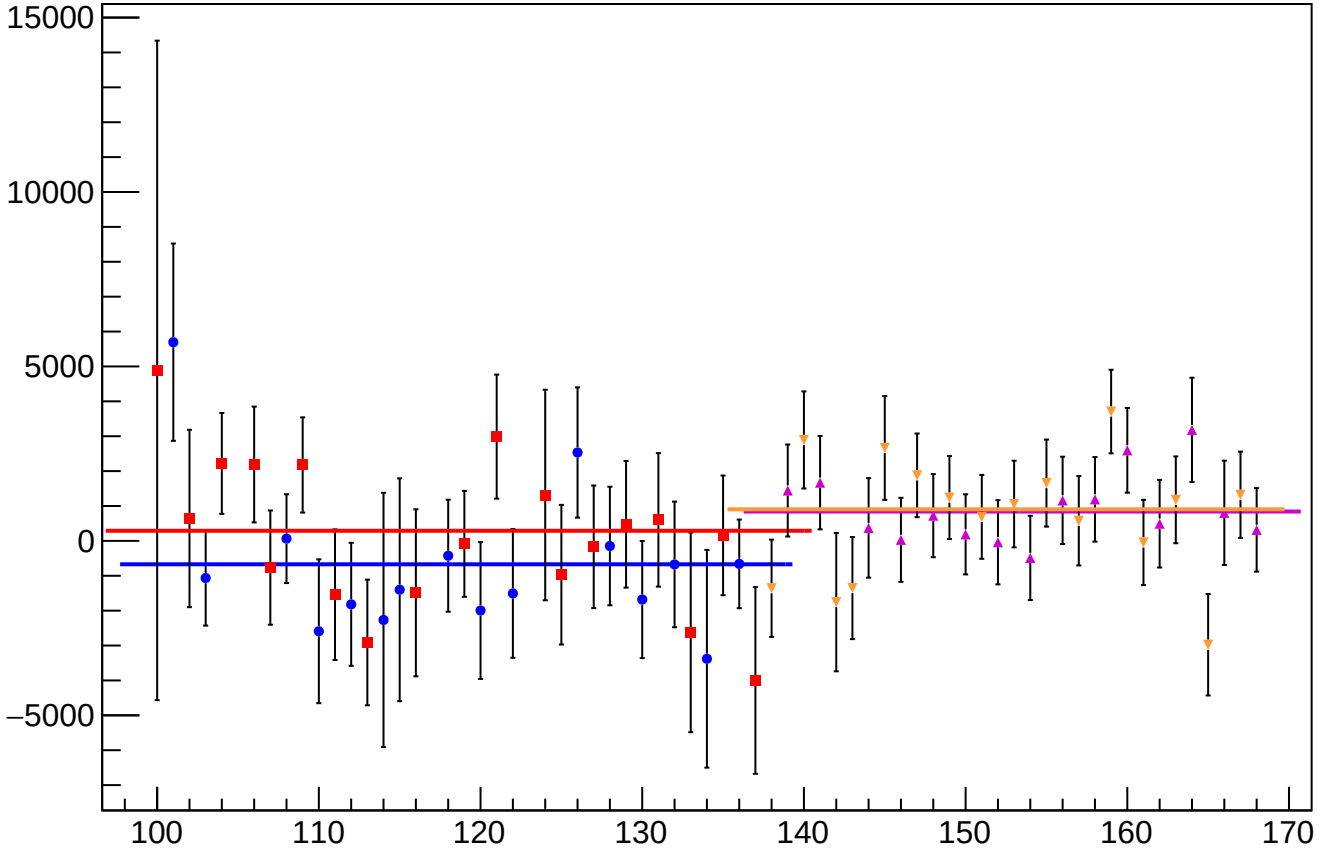
Left In: 3784.036+/-0.777 χ^2/NDF:957747.9/14

+ sign 3579.636+/-0.581 χ^2/NDF: 1297572.9/31

All: 3478.021+/-0.402 χ^2/NDF: 4026980.7/65

- sign 3384.474+/-0.557 χ^2/NDF: 2670640.4/33

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 905.070+/-327.240 χ^2/NDF:24.8/15

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

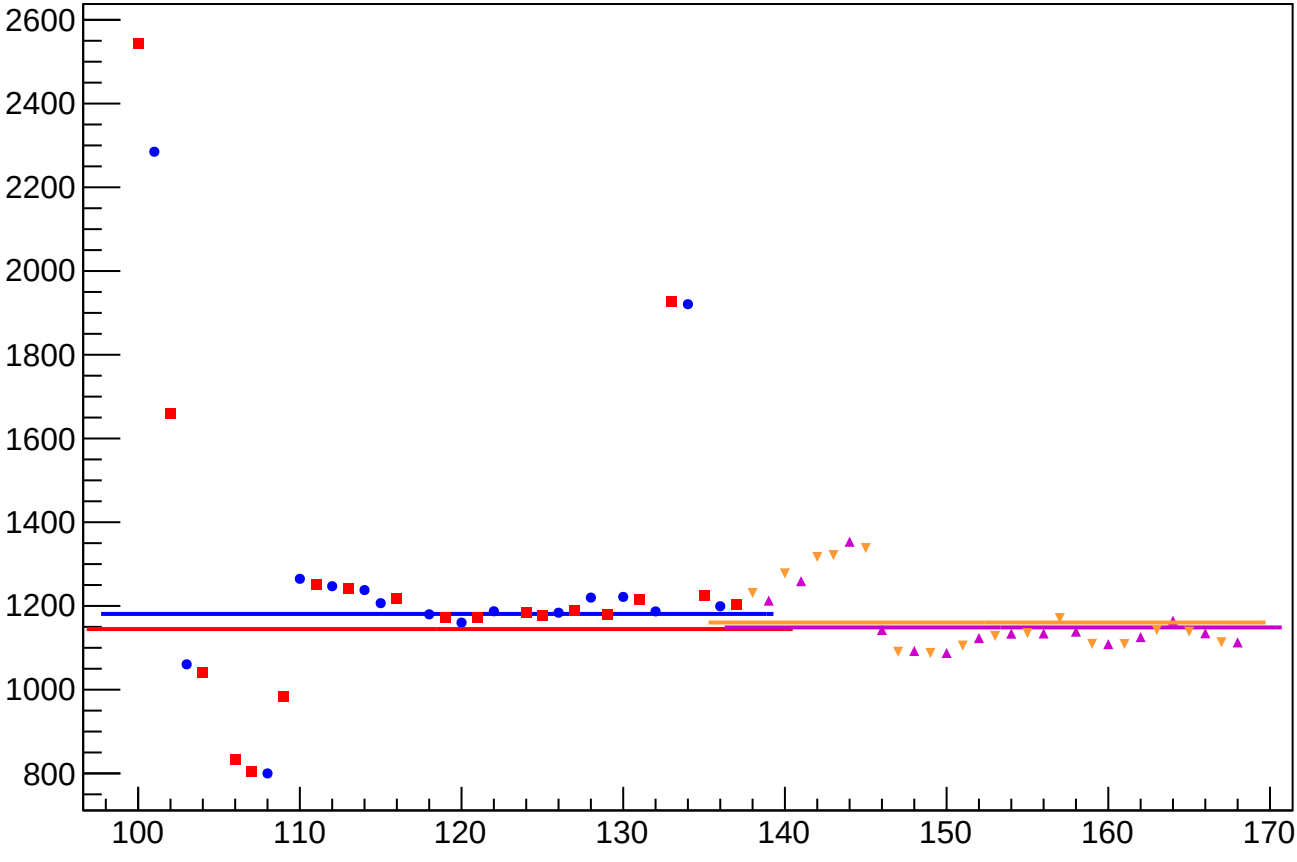
Left In: 840.950+/-326.587 χ^2/NDF:8.2/14

+ sign 357.583+/-264.354 χ^2/NDF: 44.7/31

All: 501.644+/-185.746 χ^2/NDF: 71.5/65

- sign 642.124+/-261.048 χ^2/NDF: 26.2/33

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1160.496+/-0.231 χ^2/NDF:116405.2/15

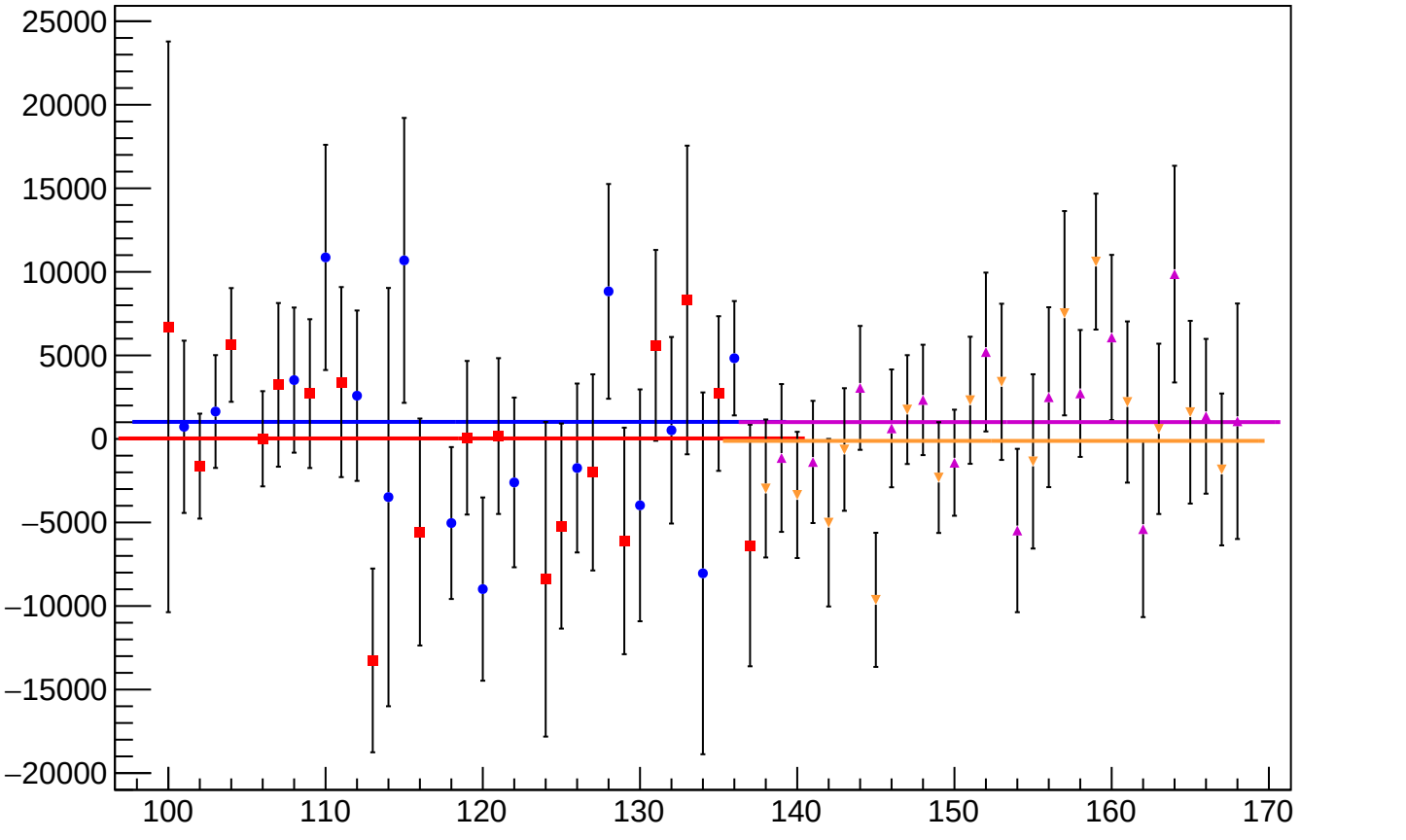
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1148.713+/-0.231 χ^2/NDF:76296.3/14

+ sign 1167.603+/-0.187 χ^2/NDF: 741000.2/31

All: 1157.318+/-0.131 χ^2/NDF: 1321111.1/65

- sign 1147.291+/-0.185 χ^2/NDF: 574131.5/33



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -117.036+/-1058.712 χ^2/NDF:18.6/15

Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

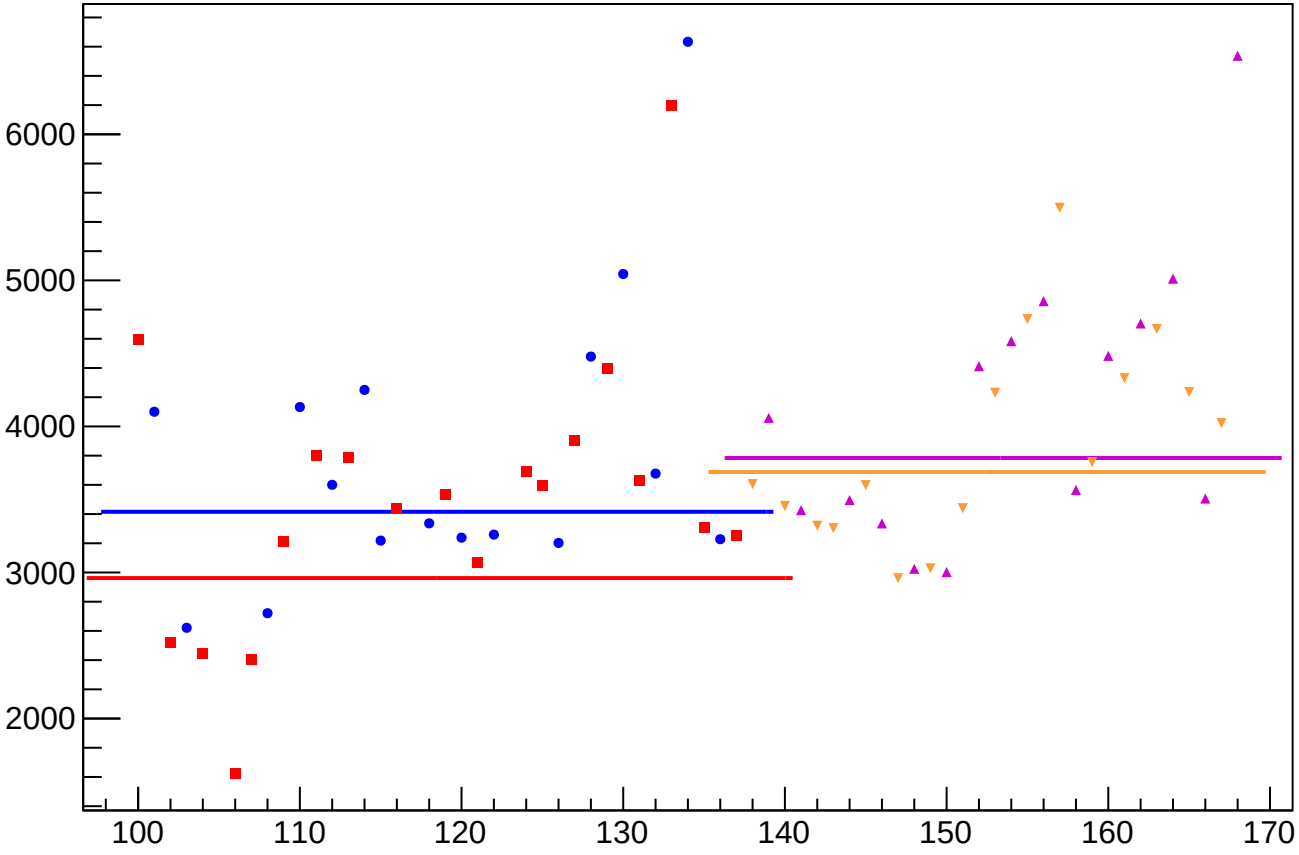
Left In: 1007.738+/-1099.391 χ^2/NDF:8.9/14

+ sign 335.764+/-821.531 χ^2/NDF: 32.9/31

All: 438.293+/-568.774 χ^2/NDF: 58.4/65

- sign 532.680+/-788.237 χ^2/NDF: 25.5/33

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3688.034+/-0.749 χ^2/NDF:652538.6/15

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

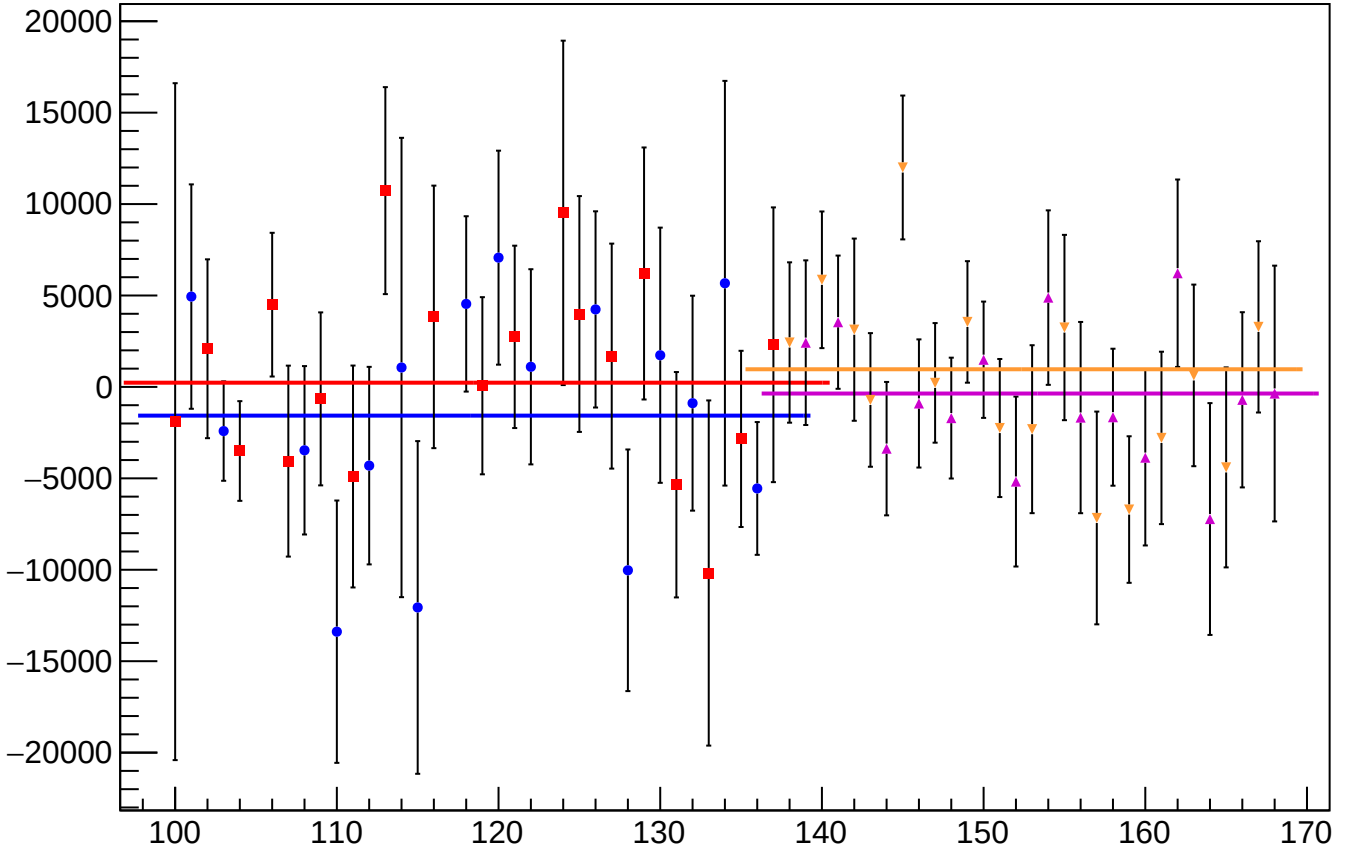
Left In: 3784.041+/-0.777 χ^2/NDF:957747.5/14

+ sign 3579.638+/-0.581 χ^2/NDF: 1297571.9/31

All: 3478.021+/-0.402 χ^2/NDF: 4026994.3/65

- sign 3384.474+/-0.557 χ^2/NDF: 2670653.5/33

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 965.539+/-1053.894 χ^2/NDF:19.7/15

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

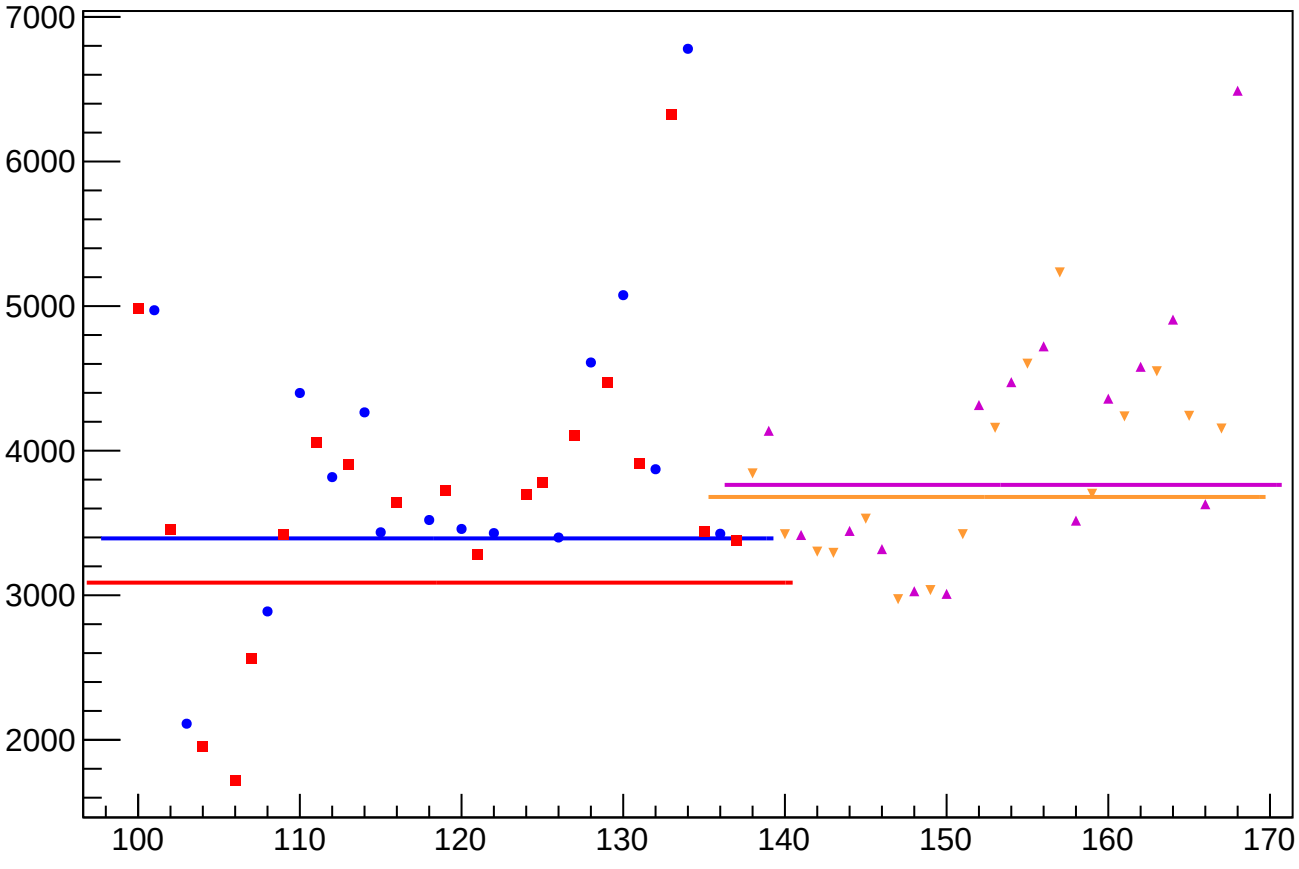
Left In: -361.458+/-1091.055 χ^2/NDF:8.6/14

+ sign -27.932+/-821.870 χ^2/NDF: 36.4/31

All: -63.865+/-578.544 χ^2/NDF: 58.3/65

- sign -99.160+/-814.548 χ^2/NDF: 21.9/33

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3679.940+/-0.745 χ^2/NDF:588178.9/15

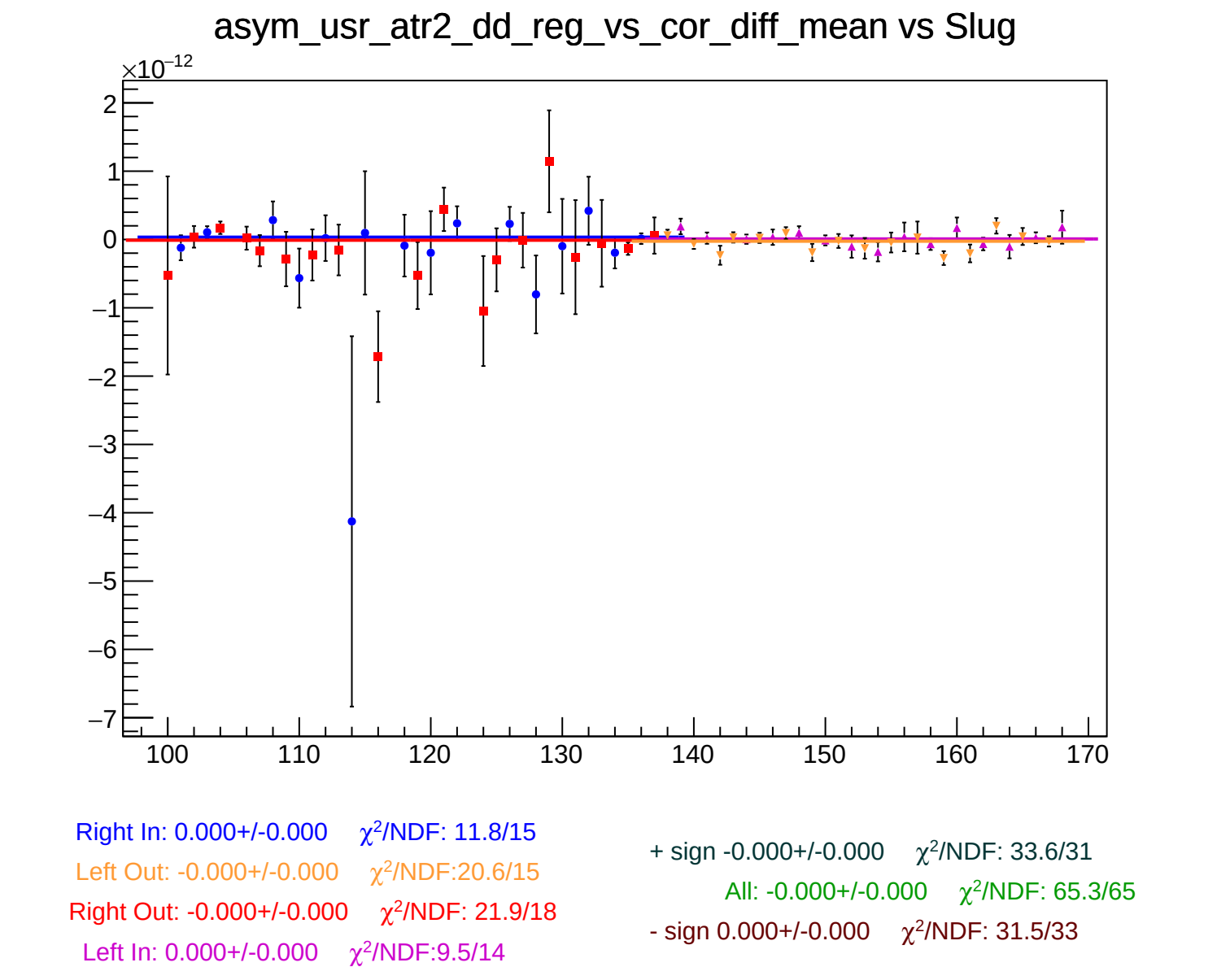
Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

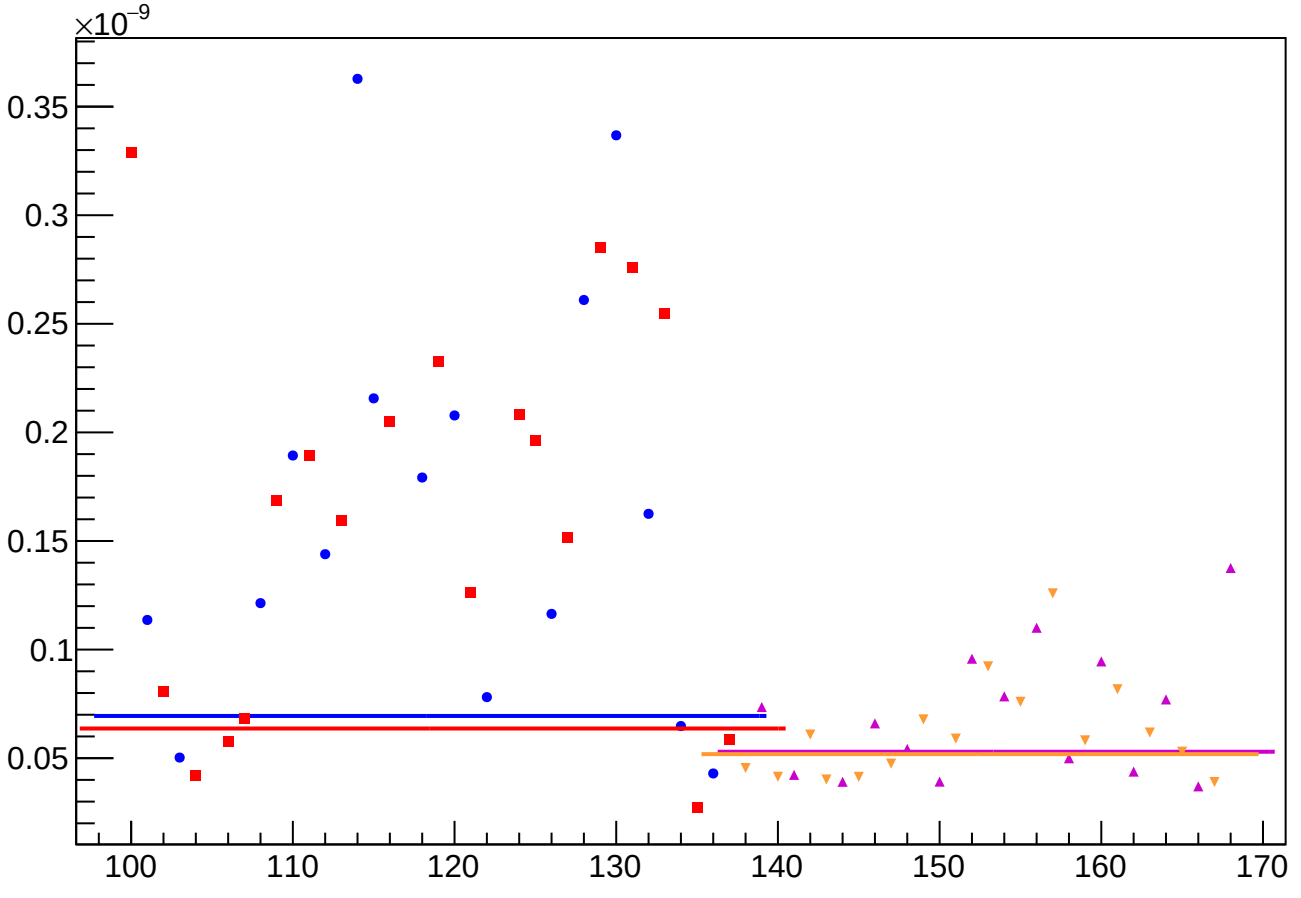
Left In: 3763.437+/-0.771 χ^2/NDF:891234.8/14

+ sign 3567.646+/-0.581 χ^2/NDF: 1694833.5/31

All: 3512.180+/-0.408 χ^2/NDF: 4278732.0/65

- sign 3458.513+/-0.572 χ^2/NDF: 2565975.5/33


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:20.6/15
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/18
Left In: 0.000+/-0.000 χ²/NDF:9.5/14
+ sign -0.000+/-0.000 χ²/NDF: 33.6/31
All: -0.000+/-0.000 χ²/NDF: 65.3/65
- sign 0.000+/-0.000 χ²/NDF: 31.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:775420.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

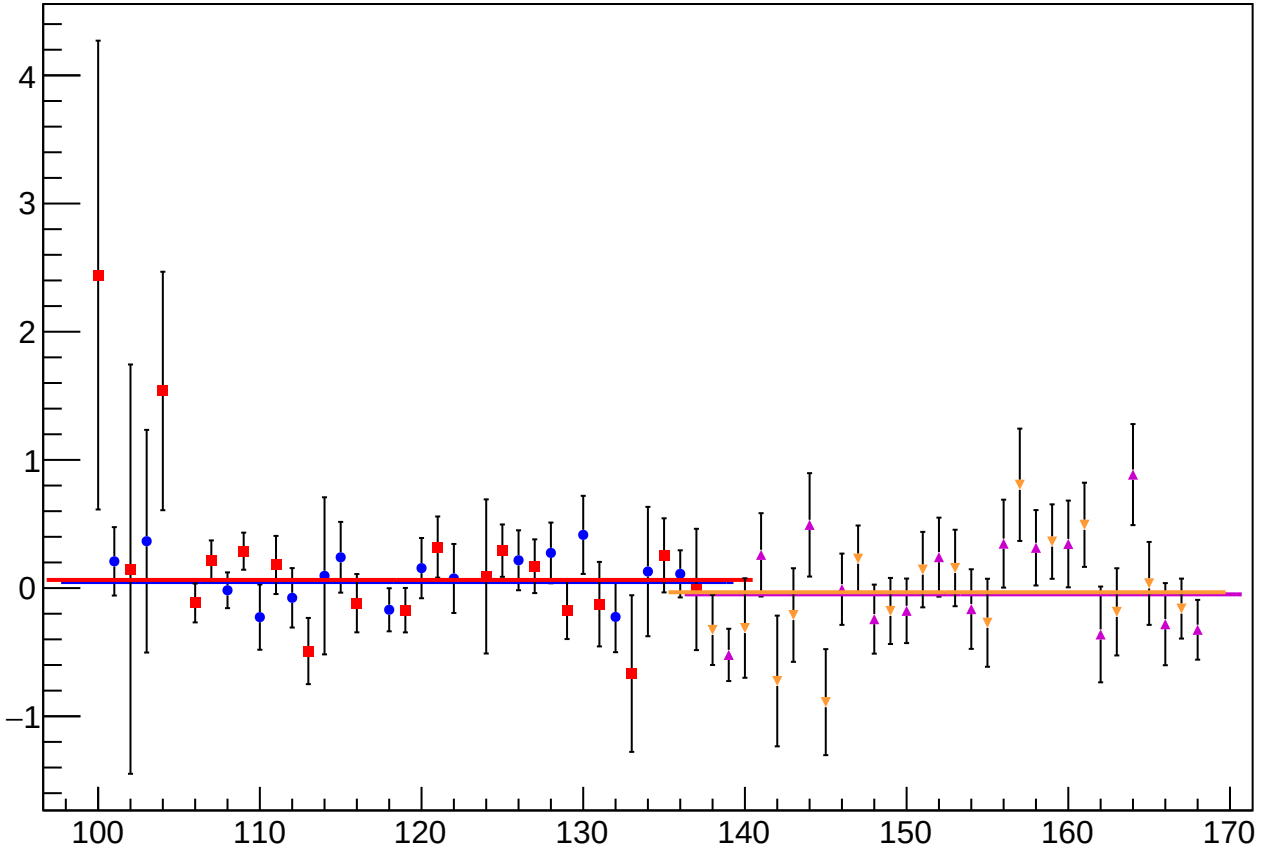
Left In: 0.000+/-0.000 χ^2/NDF:1162709.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 2709706.0/31

All: 0.000+/-0.000 χ^2/NDF: 6195204.1/65

- sign 0.000+/-0.000 χ^2/NDF: 3485457.8/33

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: -0.032+/-0.079 χ^2/NDF:19.3/15

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

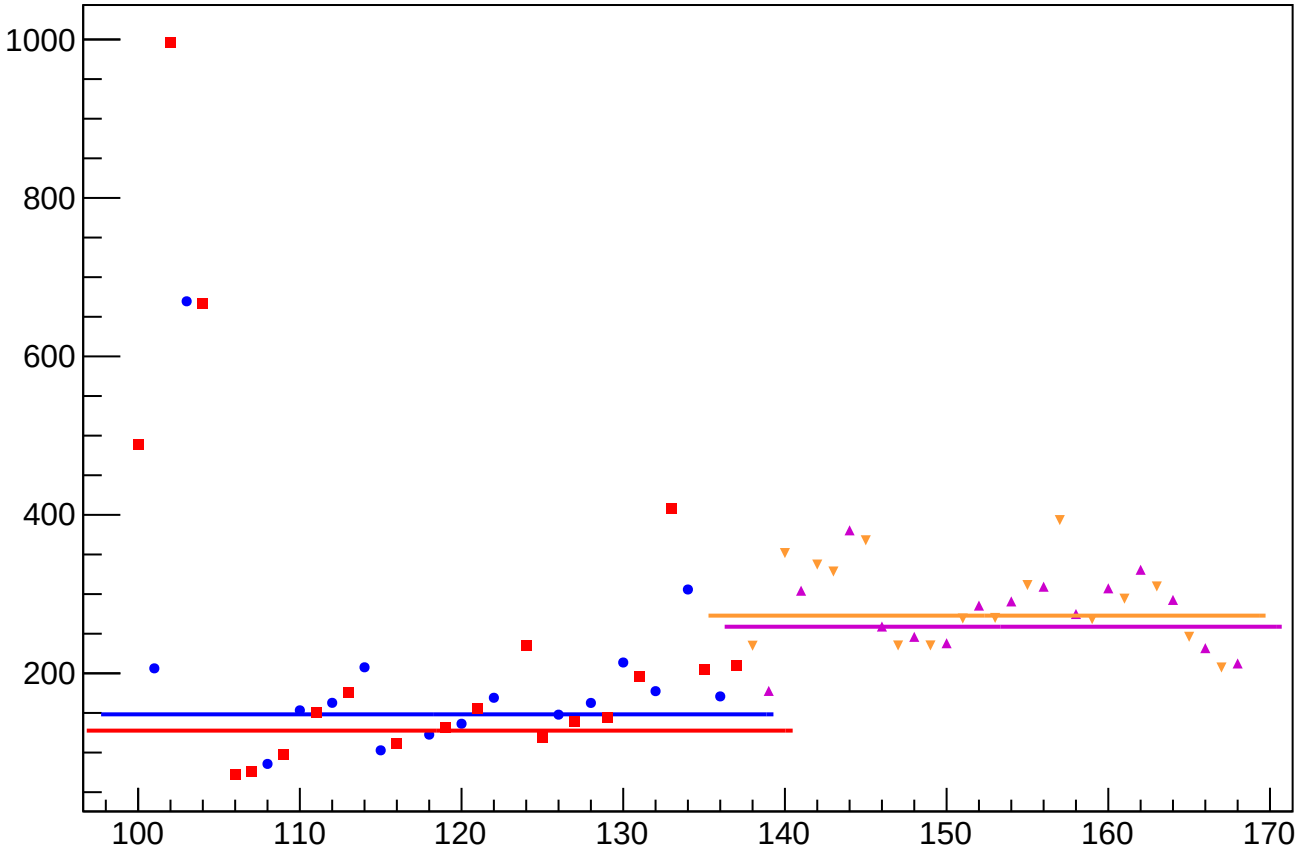
Left In: -0.049+/-0.076 χ^2/NDF:22.4/14

+ sign 0.018+/-0.048 χ^2/NDF: 28.5/31

All: 0.022+/-0.032 χ^2/NDF: 74.5/65

- sign 0.025+/-0.044 χ^2/NDF: 46.0/33

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: 272.825+/-0.056 χ^2/NDF:770194.7/15

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

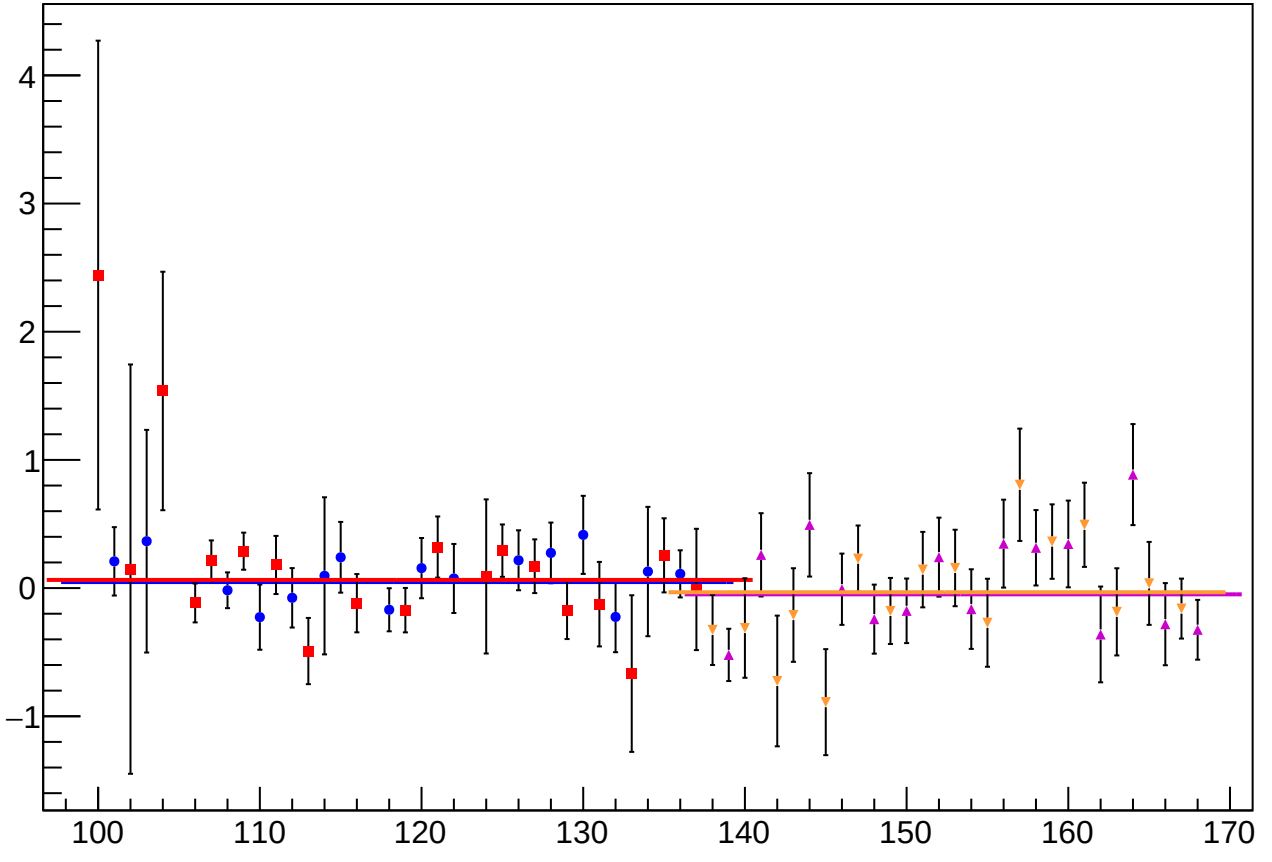
Left In: 258.818+/-0.054 χ^2/NDF:863434.5/14

+ sign 194.024+/-0.034 χ^2/NDF: 5646024.3/31

All: 182.459+/-0.023 χ^2/NDF: 13500630.2/65

- sign 172.475+/-0.031 χ^2/NDF: 7635931.9/33

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.032+/-0.079 χ^2/NDF:19.3/15

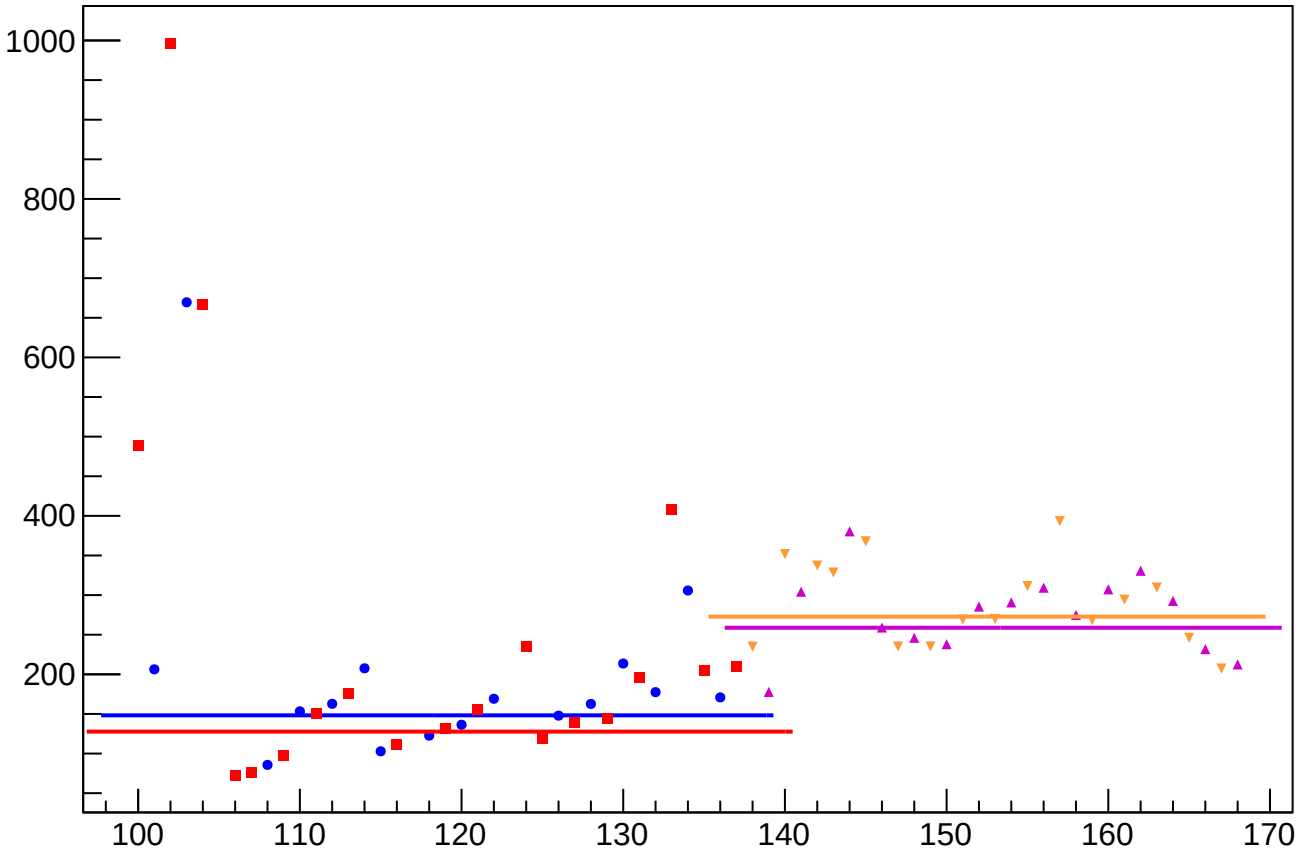
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.049+/-0.076 χ^2/NDF:22.4/14

+ sign 0.018+/-0.048 χ^2/NDF: 28.5/31

All: 0.022+/-0.032 χ^2/NDF: 74.5/65

- sign 0.025+/-0.044 χ^2/NDF: 46.0/33



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 272.825+/-0.056 χ^2/NDF:770194.7/15

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

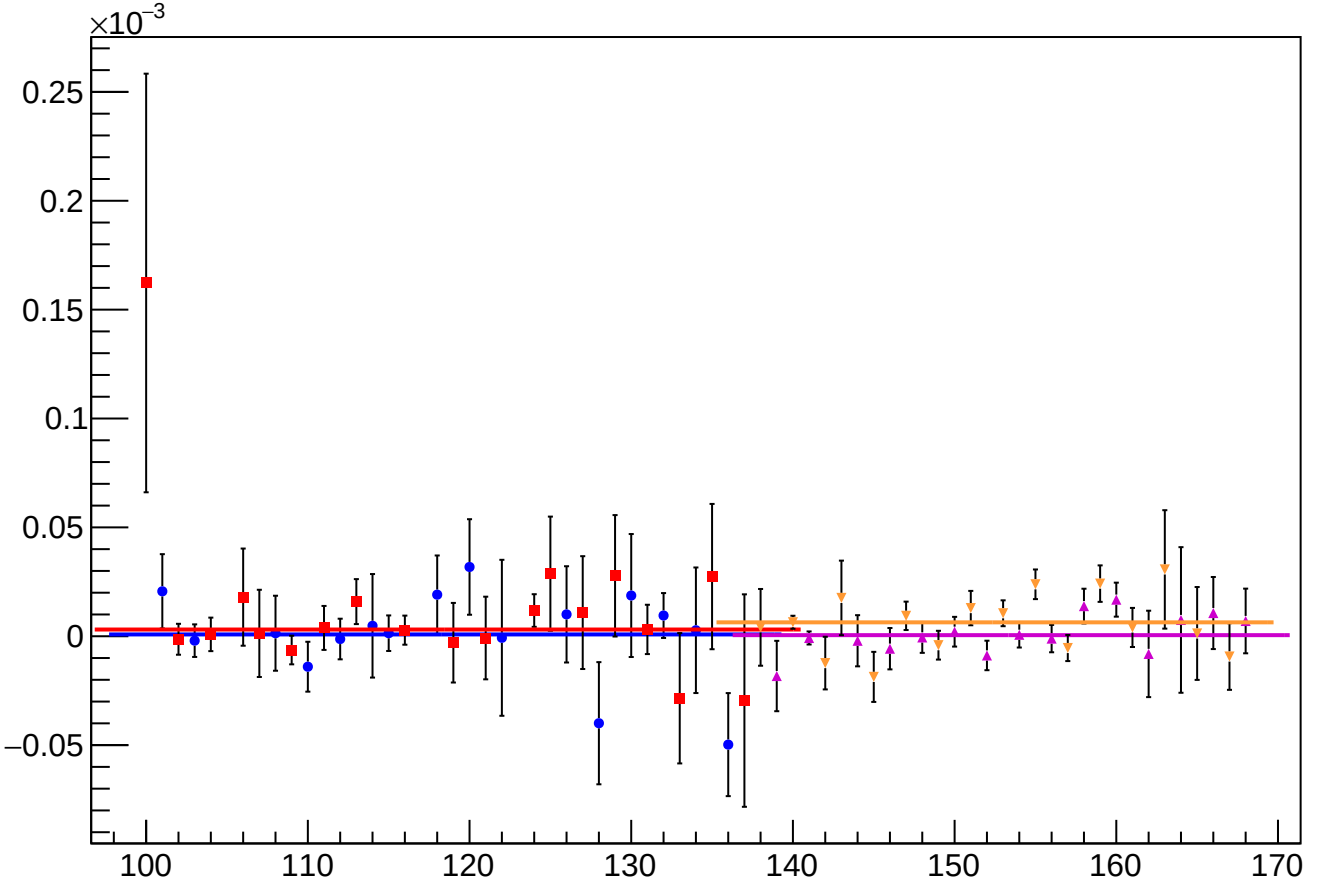
Left In: 258.818+/-0.054 χ^2/NDF:863434.5/14

+ sign 194.024+/-0.034 χ^2/NDF: 5646024.3/31

All: 182.459+/-0.023 χ^2/NDF: 13500630.2/65

- sign 172.475+/-0.031 χ^2/NDF: 7635931.9/33

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.4/15

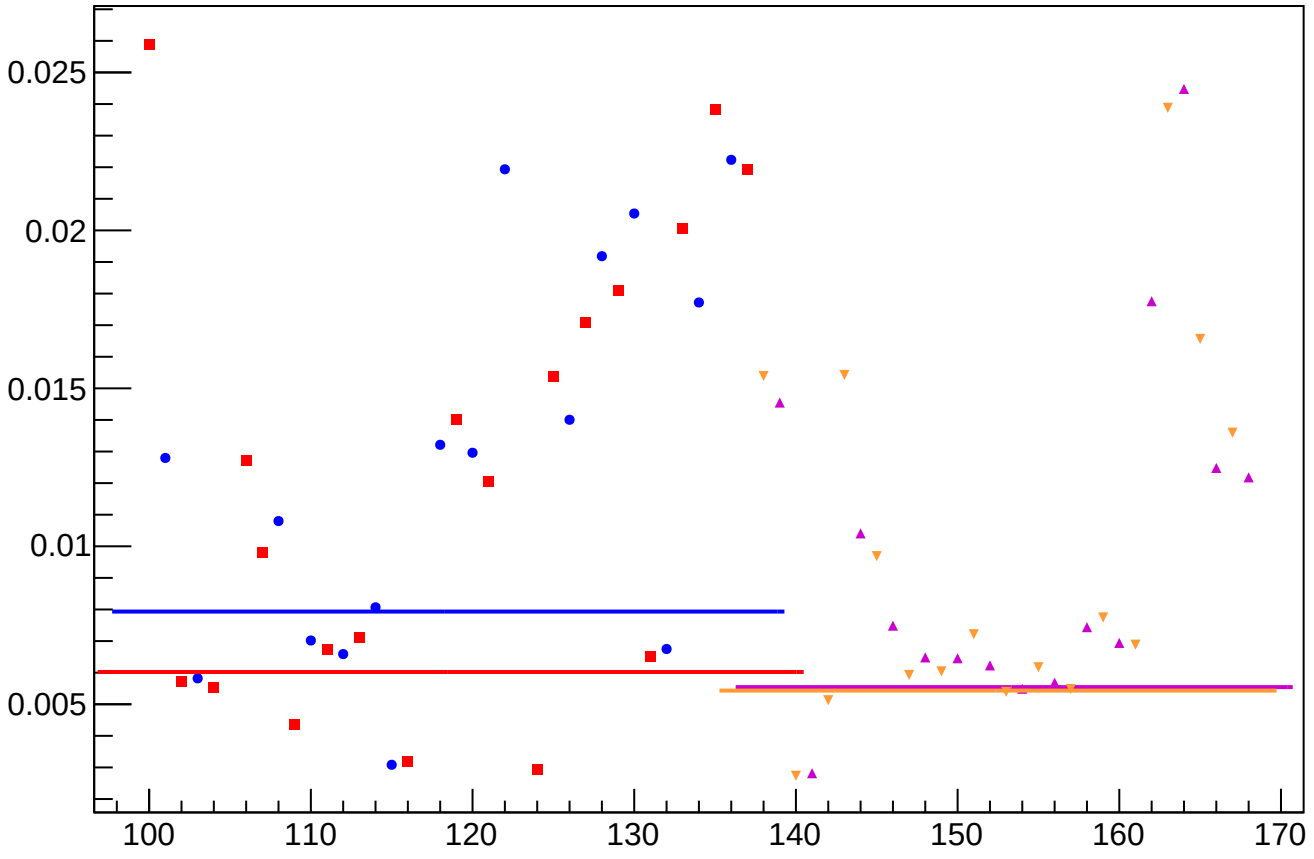
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:12.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/31

All: 0.000+/-0.000 χ^2/NDF: 73.1/65

- sign 0.000+/-0.000 χ^2/NDF: 25.3/33



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:5614279.8/15

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

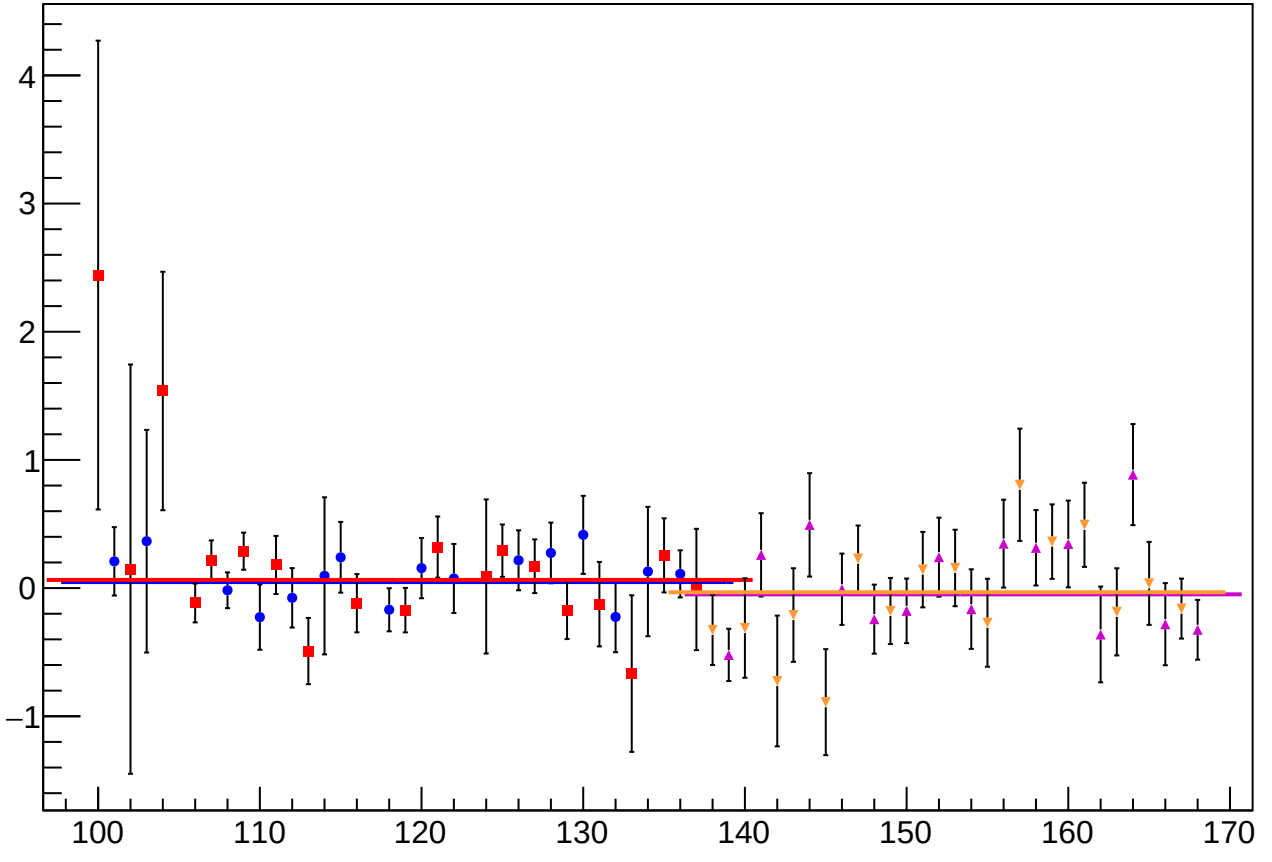
Left In: 0.006+/-0.000 χ^2/NDF:5119709.1/14

+ sign 0.006+/-0.000 χ^2/NDF: 10013342.7/31

All: 0.006+/-0.000 χ^2/NDF: 19216365.7/65

- sign 0.006+/-0.000 χ^2/NDF: 9173647.4/33

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.032+/-0.079 χ^2/NDF:19.3/15

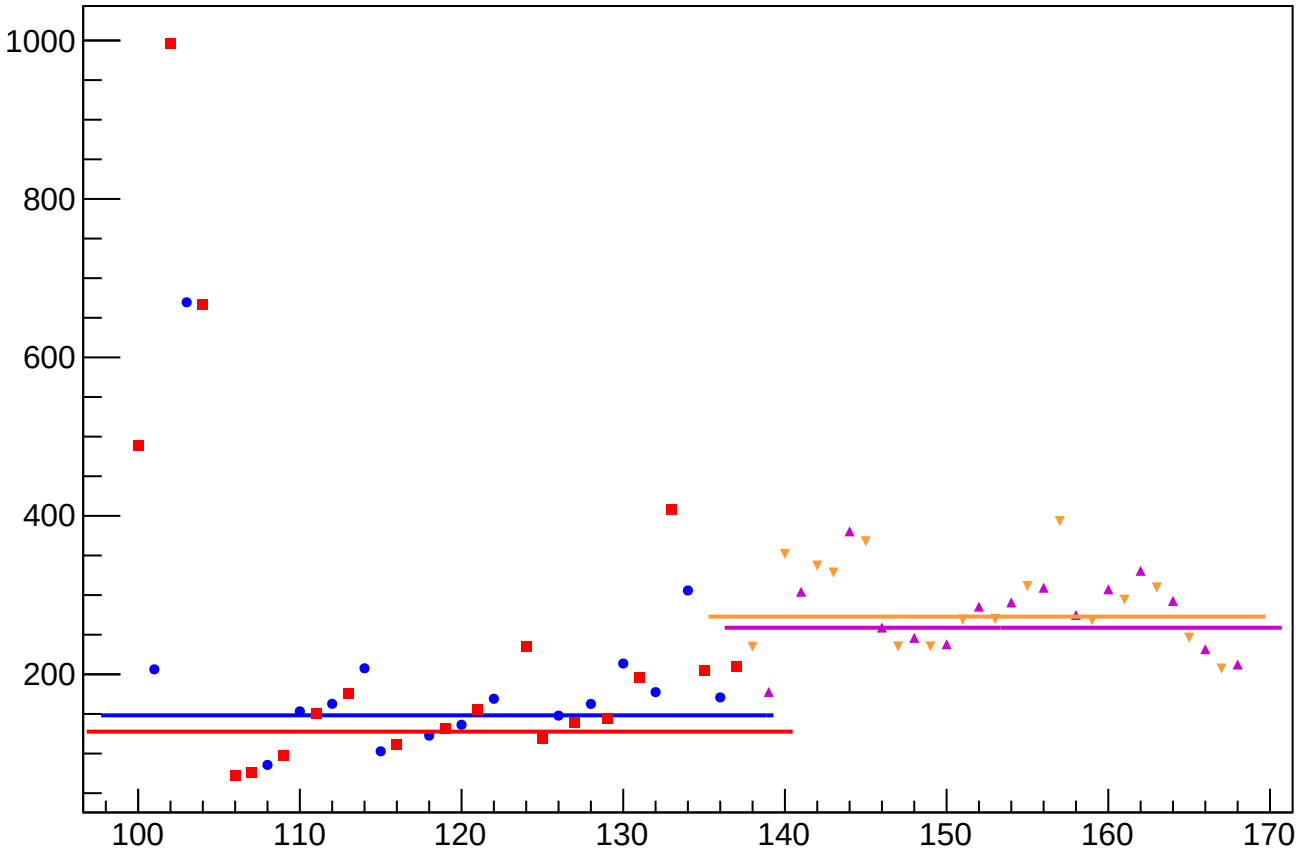
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.049+/-0.076 χ^2/NDF:22.4/14

+ sign 0.018+/-0.048 χ^2/NDF: 28.5/31

All: 0.022+/-0.032 χ^2/NDF: 74.5/65

- sign 0.025+/-0.044 χ^2/NDF: 46.0/33



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 272.829+/-0.056 χ^2/NDF:770166.3/15

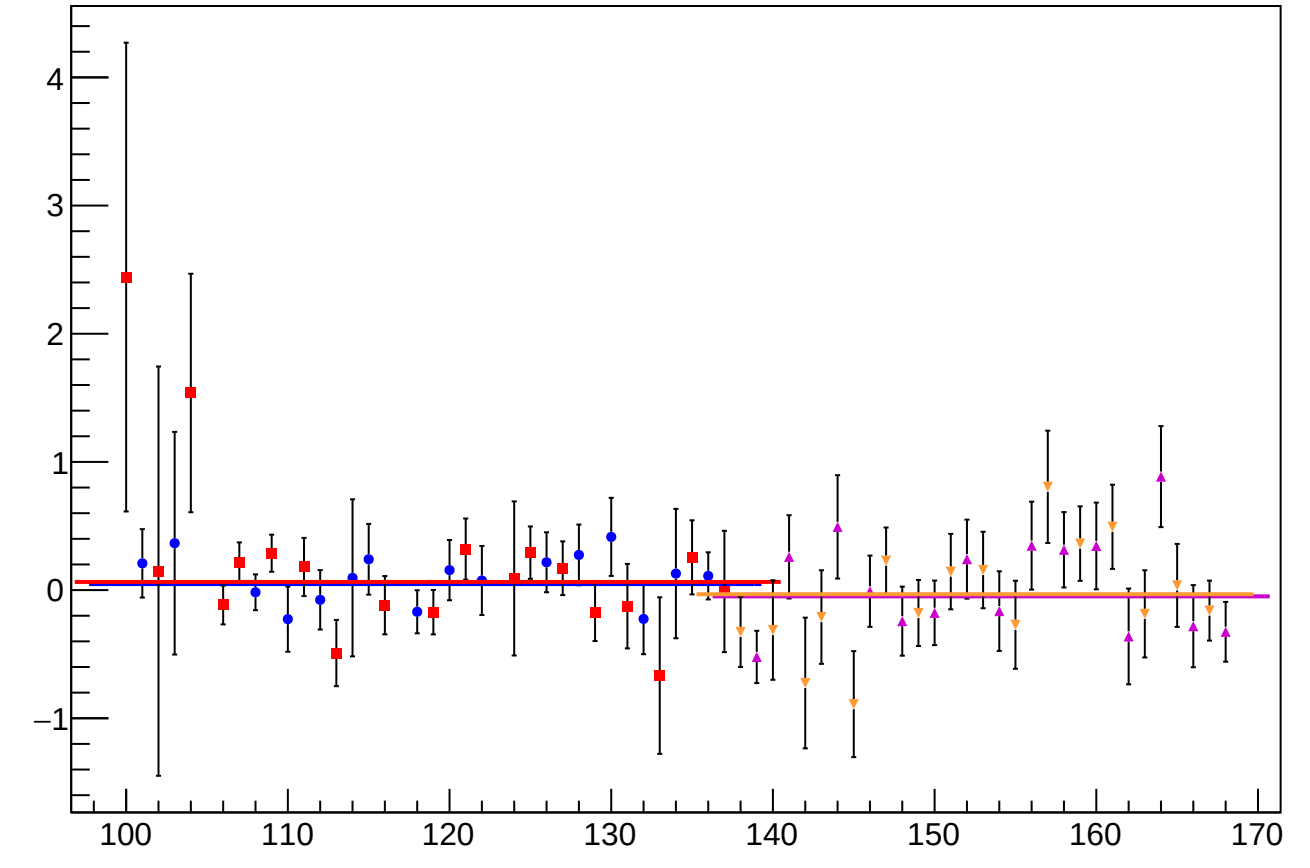
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 258.822+/-0.054 χ^2/NDF:863393.2/14

+ sign 194.022+/-0.034 χ^2/NDF: 5646378.4/31

All: 182.459+/-0.023 χ^2/NDF: 13501043.8/65

- sign 172.475+/-0.031 χ^2/NDF: 7636035.4/33



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.032+/-0.079 χ^2/NDF:19.3/15

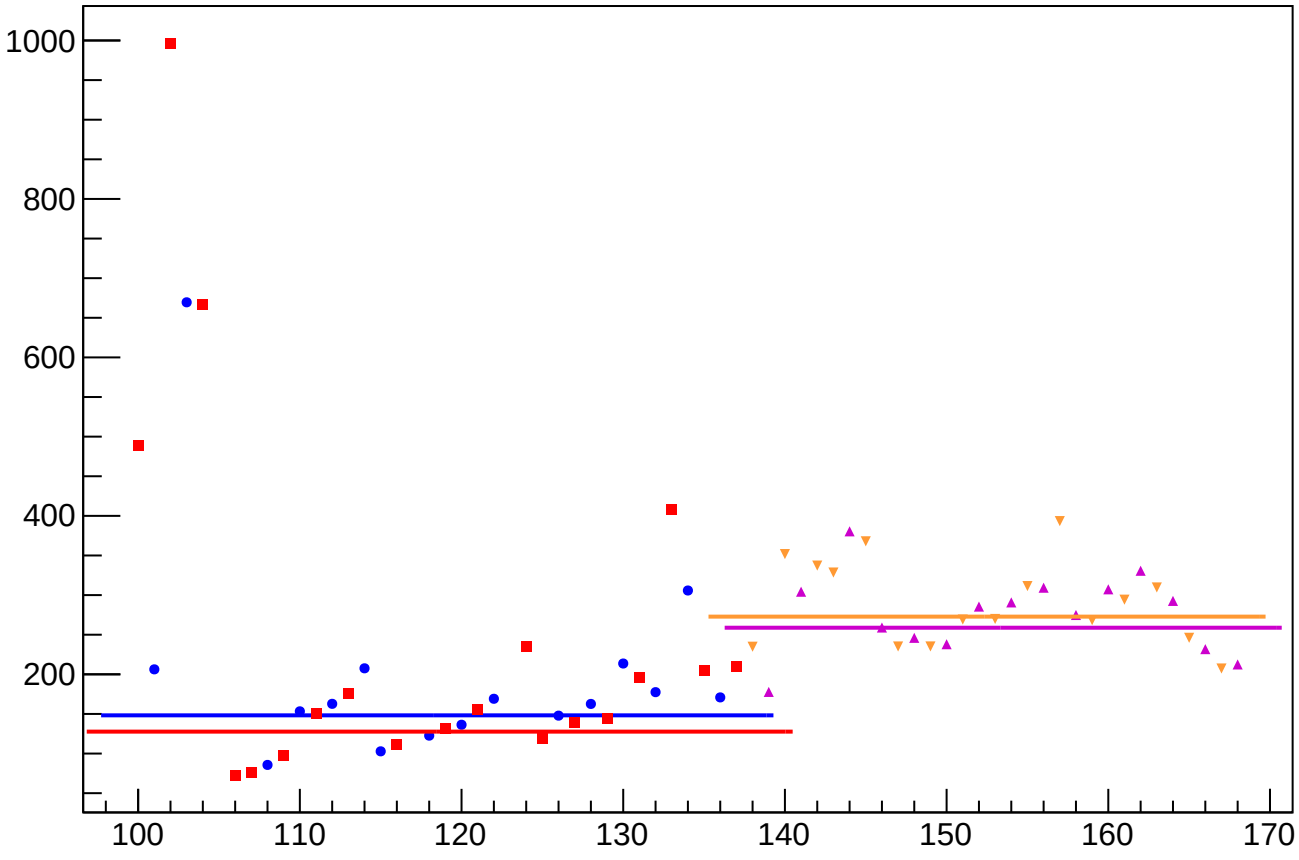
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.049+/-0.076 χ^2/NDF:22.4/14

+ sign 0.018+/-0.048 χ^2/NDF: 28.5/31

All: 0.022+/-0.032 χ^2/NDF: 74.5/65

- sign 0.025+/-0.044 χ^2/NDF: 46.0/33



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 272.829+/-0.056 χ^2/NDF:770166.3/15

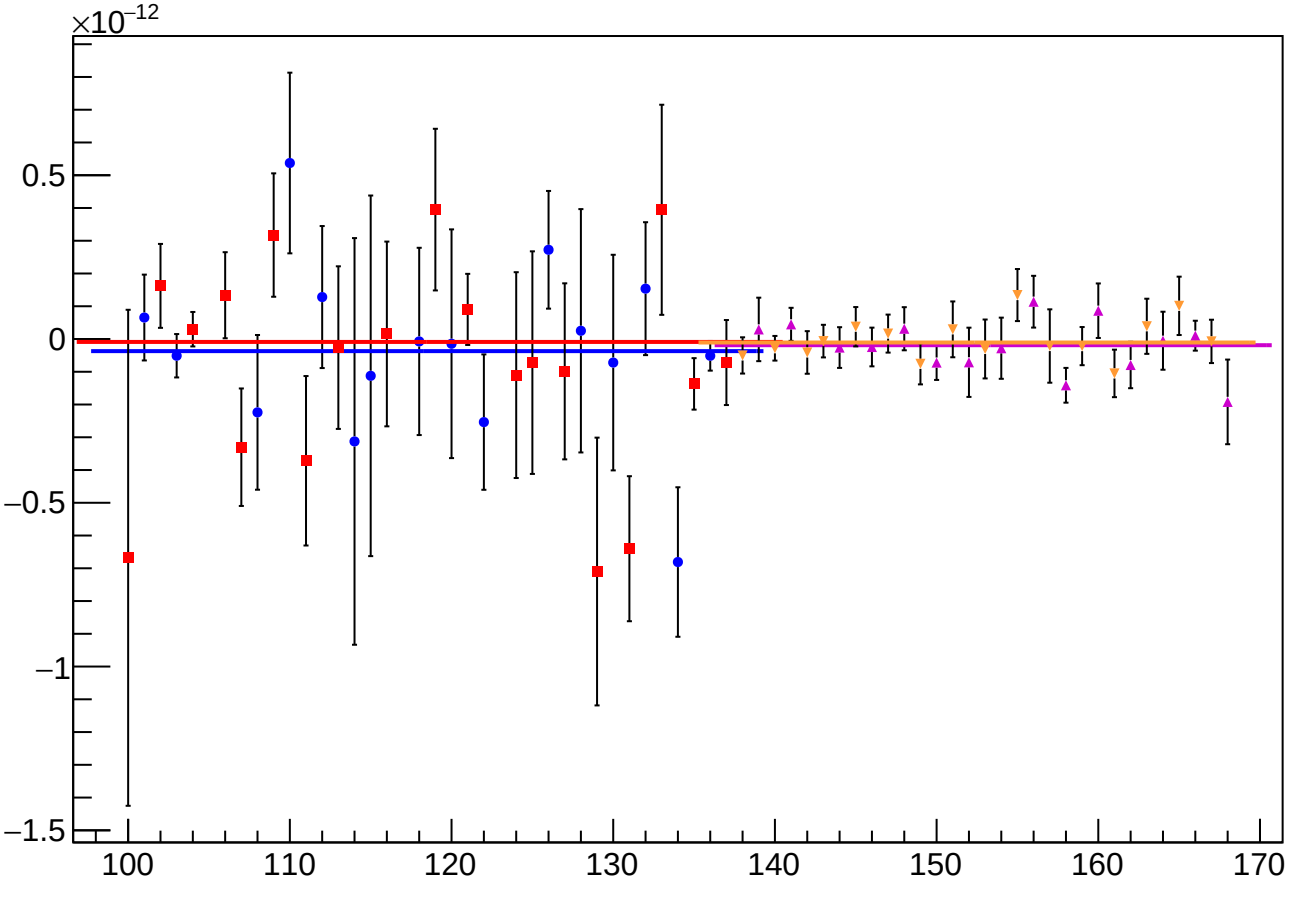
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 258.822+/-0.054 χ^2/NDF:863393.2/14

+ sign 194.022+/-0.034 χ^2/NDF: 5646378.4/31

All: 182.459+/-0.023 χ^2/NDF: 13501043.8/65

- sign 172.475+/-0.031 χ^2/NDF: 7636035.4/33



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/15

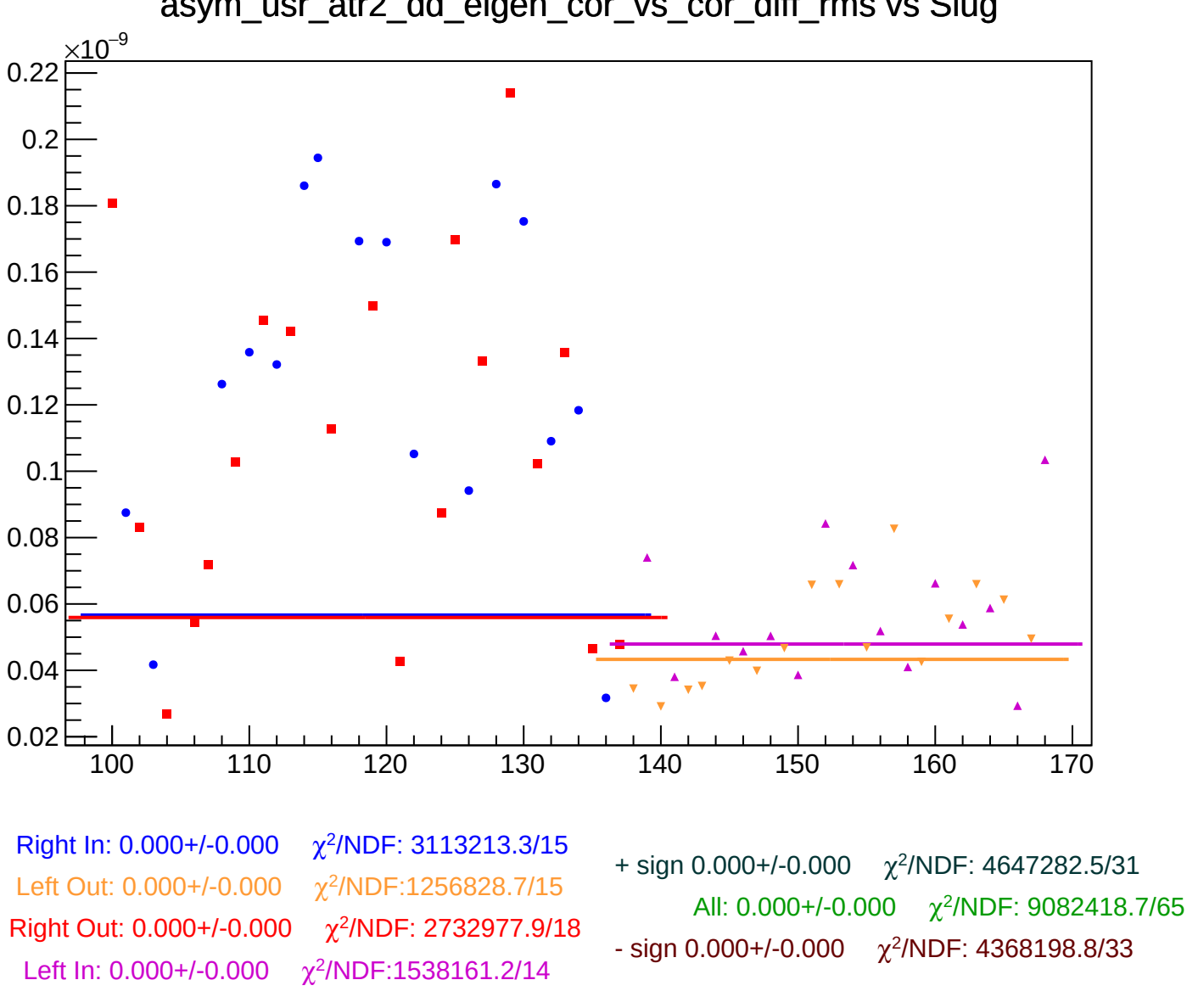
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:16.4/14

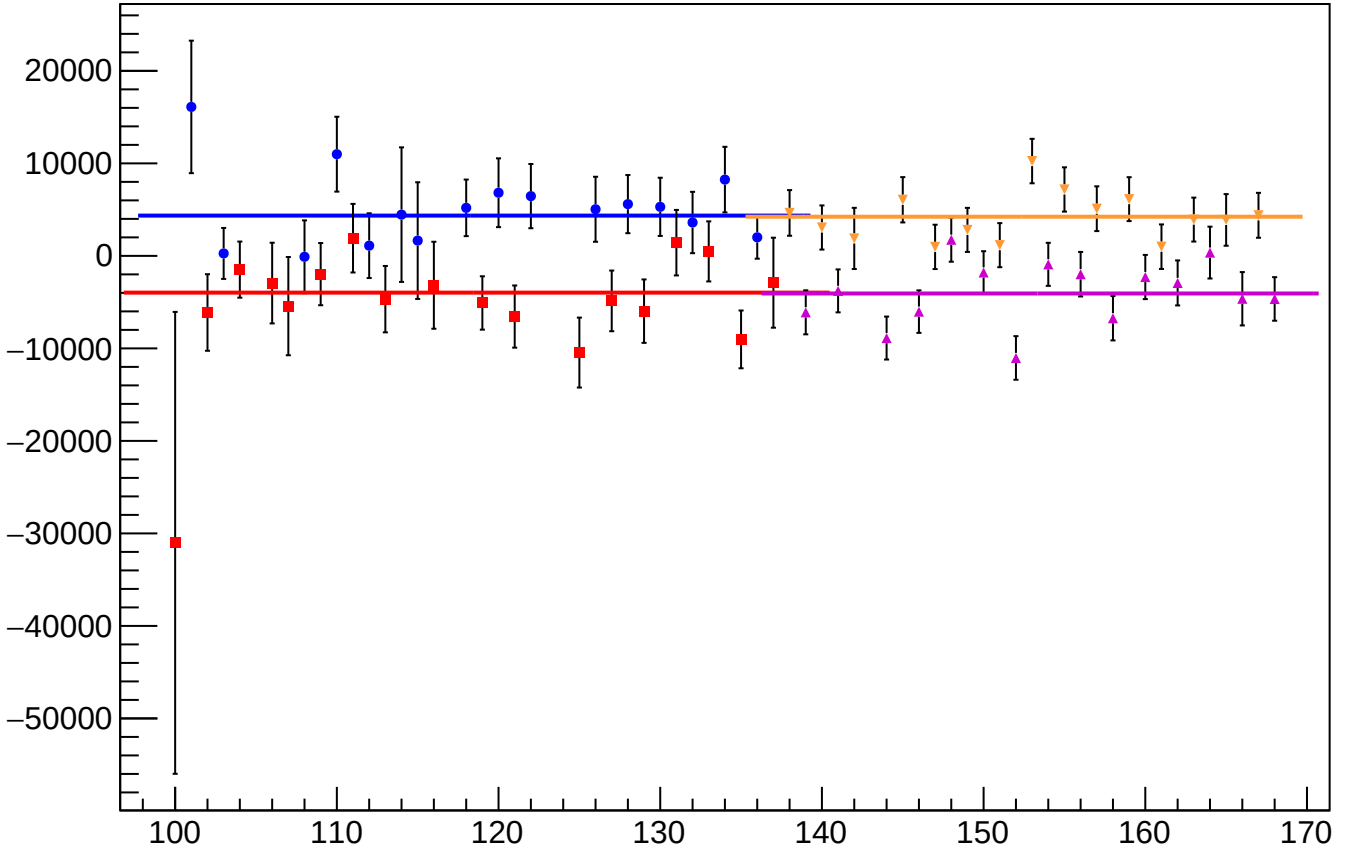
+ sign -0.000+/-0.000 χ^2/NDF: 30.2/31

All: -0.000+/-0.000 χ^2/NDF: 78.4/65

- sign -0.000+/-0.000 χ^2/NDF: 48.2/33


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:1256828.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:1538161.2/14
+ sign 0.000+/-0.000 χ²/NDF: 4647282.5/31
All: 0.000+/-0.000 χ²/NDF: 9082418.7/65
- sign 0.000+/-0.000 χ²/NDF: 4368198.8/33

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4234.619+/-636.424 χ^2/NDF:15.6/14

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

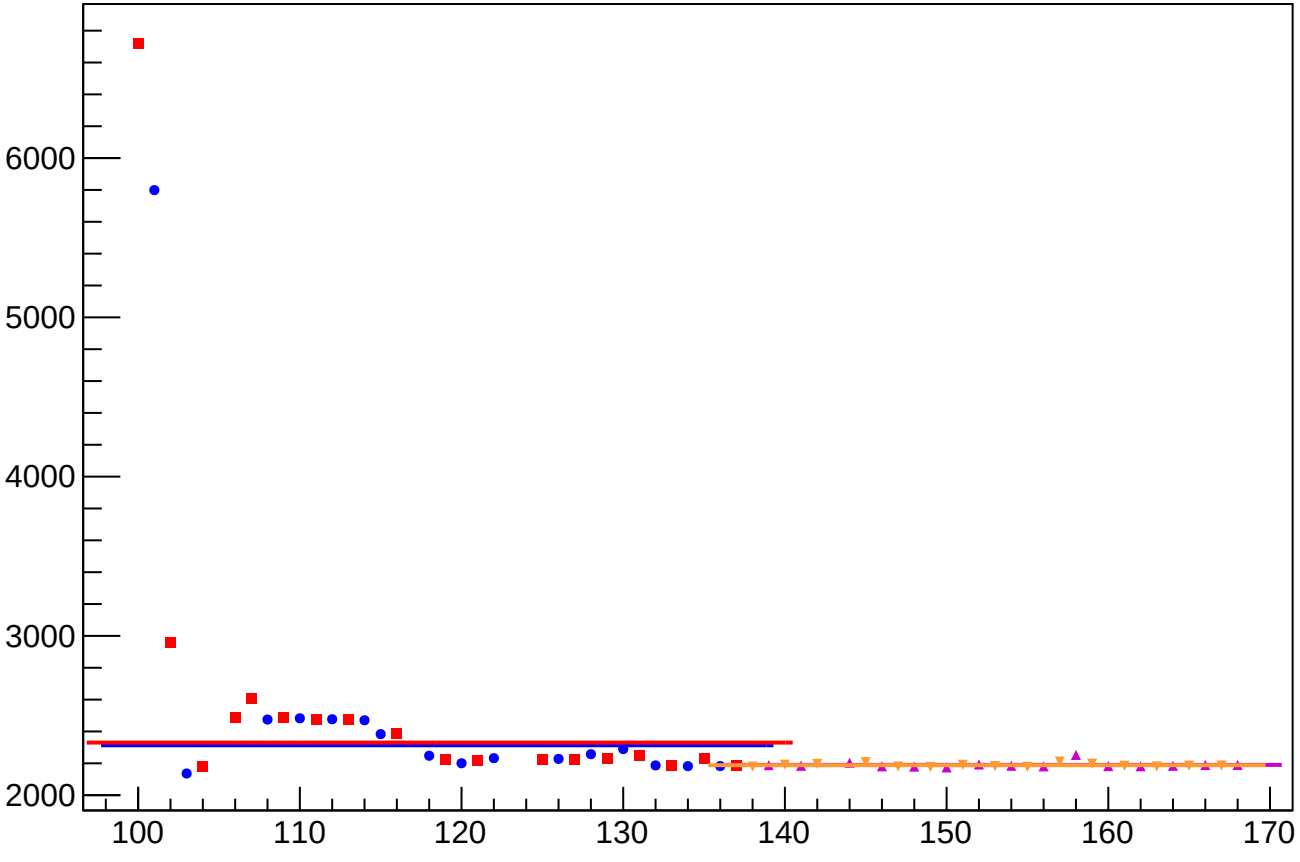
Left In: -4063.968+/-621.644 χ^2/NDF:28.7/14

+ sign 4276.035+/-514.713 χ^2/NDF: 29.0/30

All: 51.078+/-360.855 χ^2/NDF: 206.4/63

- sign -4032.837+/-506.049 χ^2/NDF: 44.9/32

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2188.249+/-0.450 χ^2/NDF:522.5/14

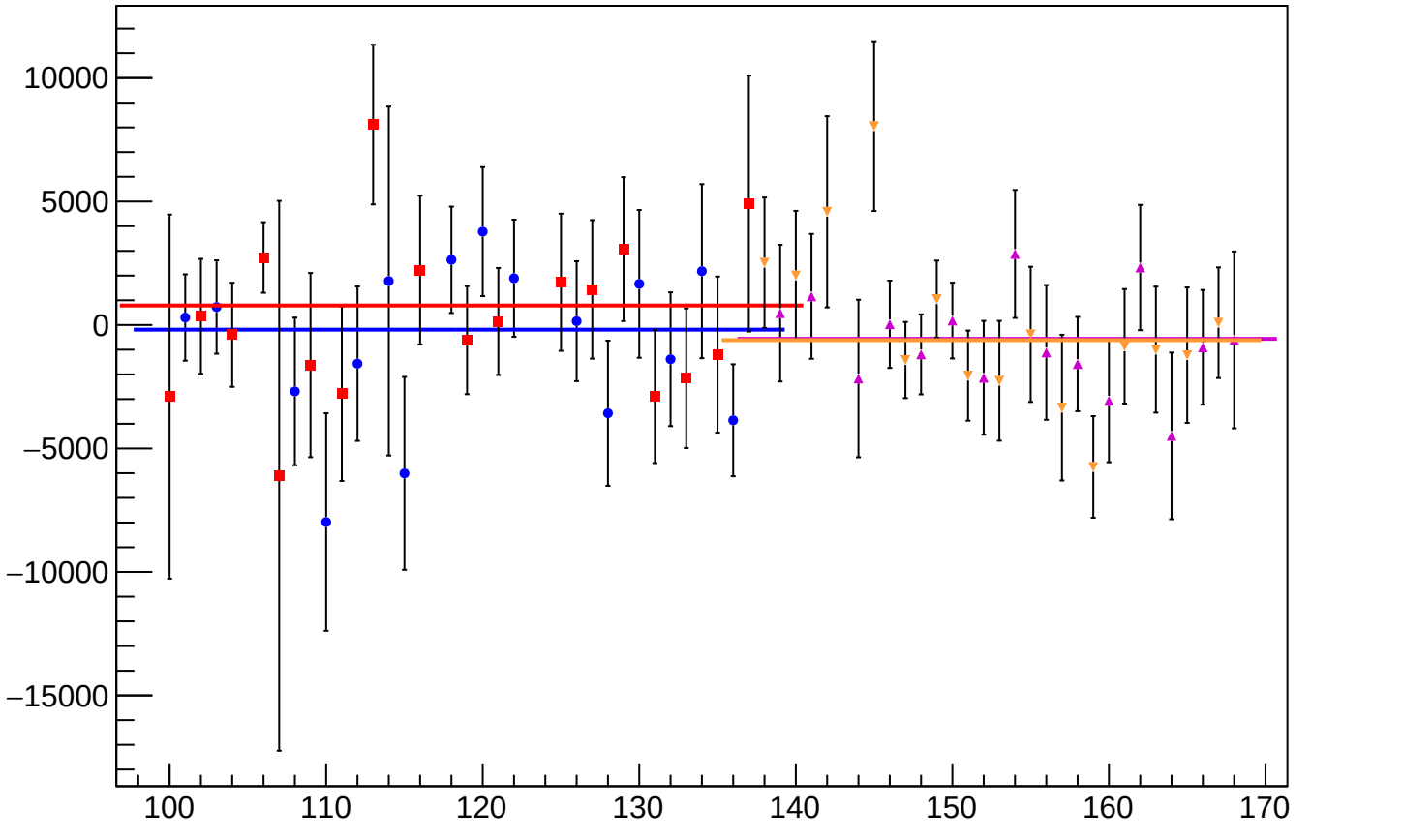
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2190.079+/-0.440 χ^2/NDF:1701.7/14

+ sign 2231.545+/-0.364 χ^2/NDF: 539652.5/30

All: 2234.494+/-0.255 χ^2/NDF: 726971.0/63

- sign 2237.345+/-0.358 χ^2/NDF: 187189.4/32



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -612.425+/-587.237 χ^2/NDF:20.3/14

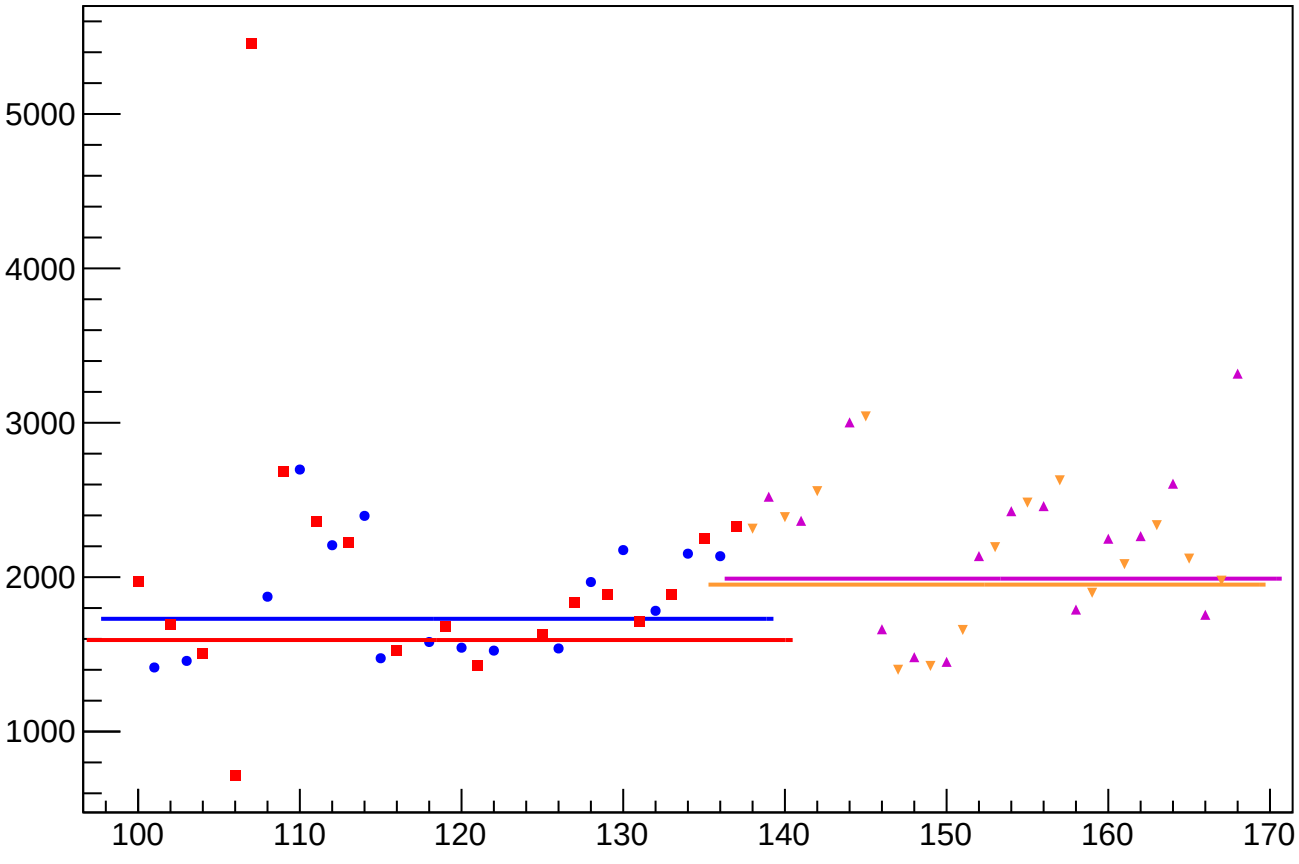
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -560.278+/-584.583 χ^2/NDF:7.6/14

+ sign -424.652+/-438.228 χ^2/NDF: 37.0/30

All: -178.309+/-306.943 χ^2/NDF: 62.6/63

- sign 58.928+/-430.052 χ^2/NDF: 24.9/32



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1951.753+/-0.415 χ^2/NDF:1140620.6/14

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

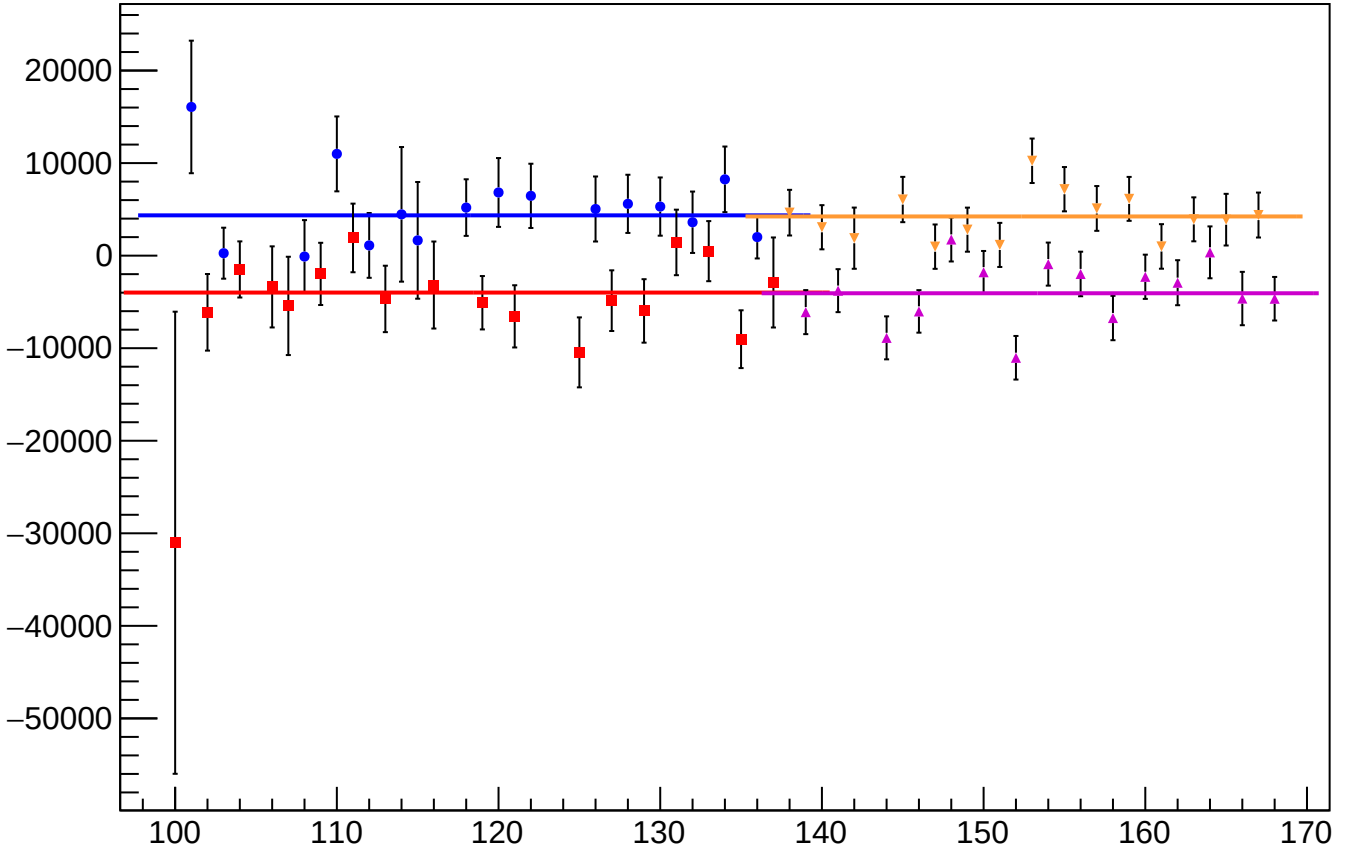
Left In: 1990.335+/-0.413 χ^2/NDF:1385114.6/14

+ sign 1853.621+/-0.310 χ^2/NDF: 1745597.0/30

All: 1830.357+/-0.217 χ^2/NDF: 5122275.4/63

- sign 1807.953+/-0.304 χ^2/NDF: 3365614.5/32

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4234.563+/-636.424 χ^2/NDF:15.6/14

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

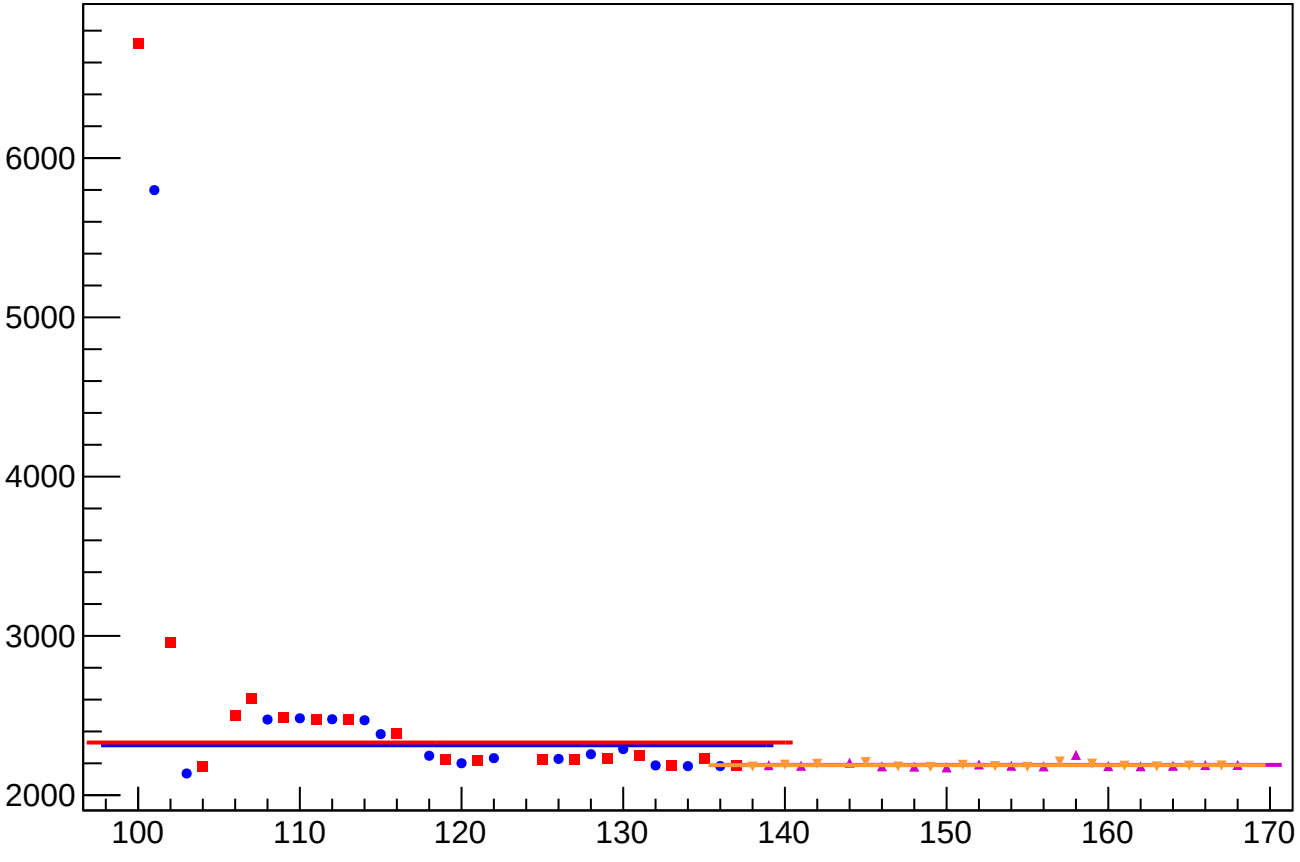
Left In: -4064.093+/-621.644 χ^2/NDF:28.7/14

+ sign 4275.763+/-514.714 χ^2/NDF: 29.0/30

All: 48.018+/-360.866 χ^2/NDF: 206.5/63

- sign -4039.066+/-506.079 χ^2/NDF: 44.8/32

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.249+/-0.450 χ^2/NDF:522.5/14

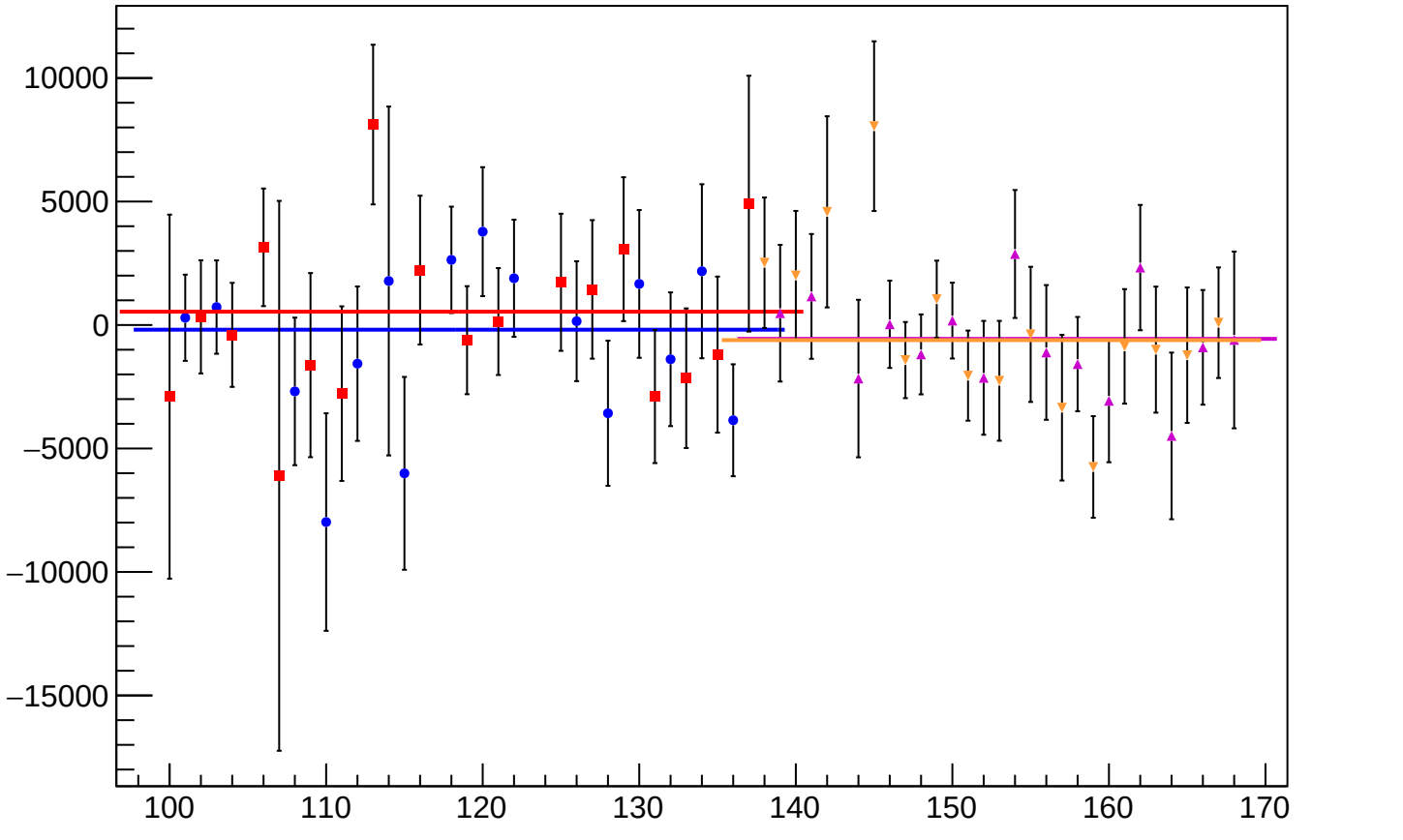
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.079+/-0.440 χ^2/NDF:1701.7/14

+ sign 2231.545+/-0.364 χ^2/NDF: 539652.9/30

All: 2234.552+/-0.255 χ^2/NDF: 727495.7/63

- sign 2237.459+/-0.358 χ^2/NDF: 187708.6/32



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -612.501+/-587.235 χ^2/NDF:20.3/14

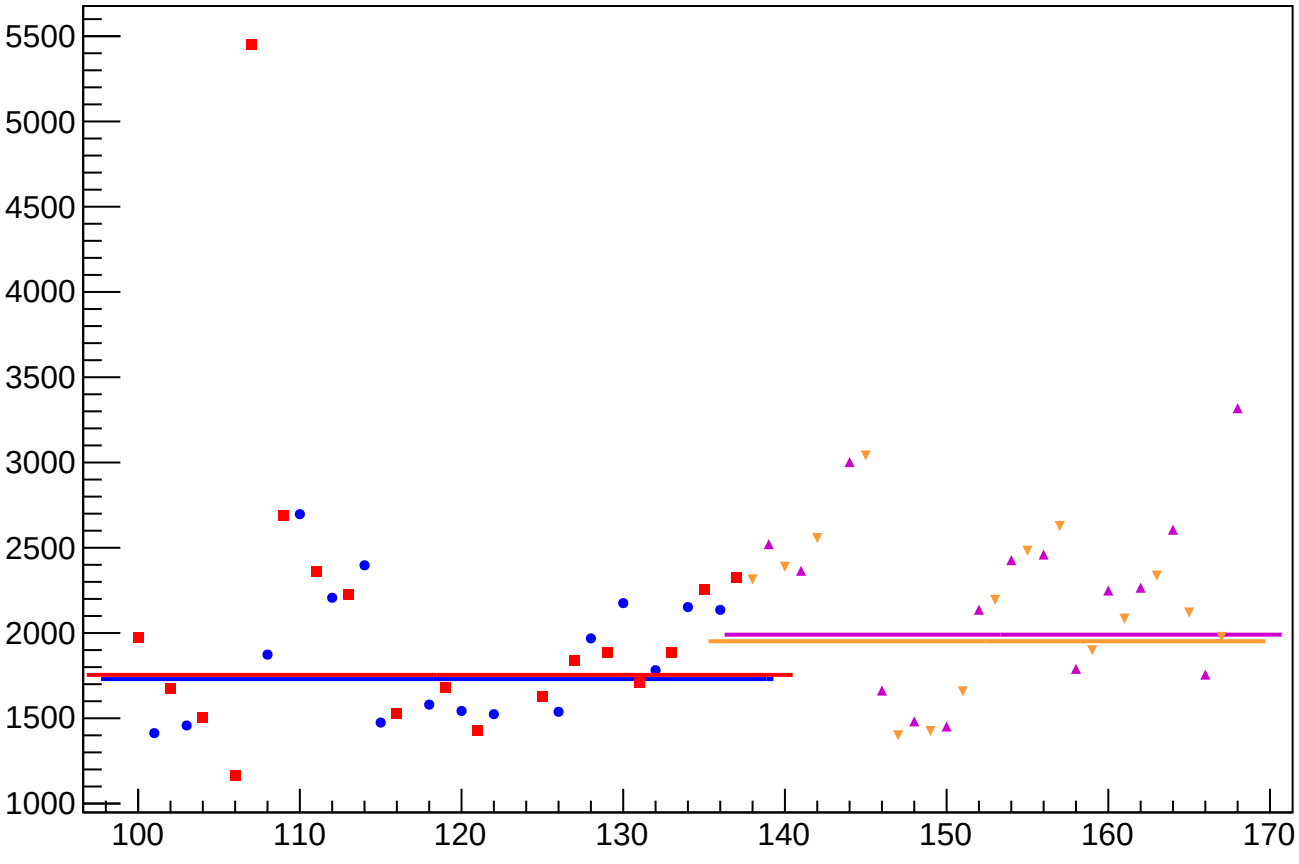
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -560.410+/-584.584 χ^2/NDF:7.6/14

+ sign -425.143+/-438.189 χ^2/NDF: 37.0/30

All: -260.094+/-311.463 χ^2/NDF: 60.3/63

- sign -91.555+/-442.797 χ^2/NDF: 23.0/32



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1951.746+/-0.415 χ^2/NDF:1140656.2/14

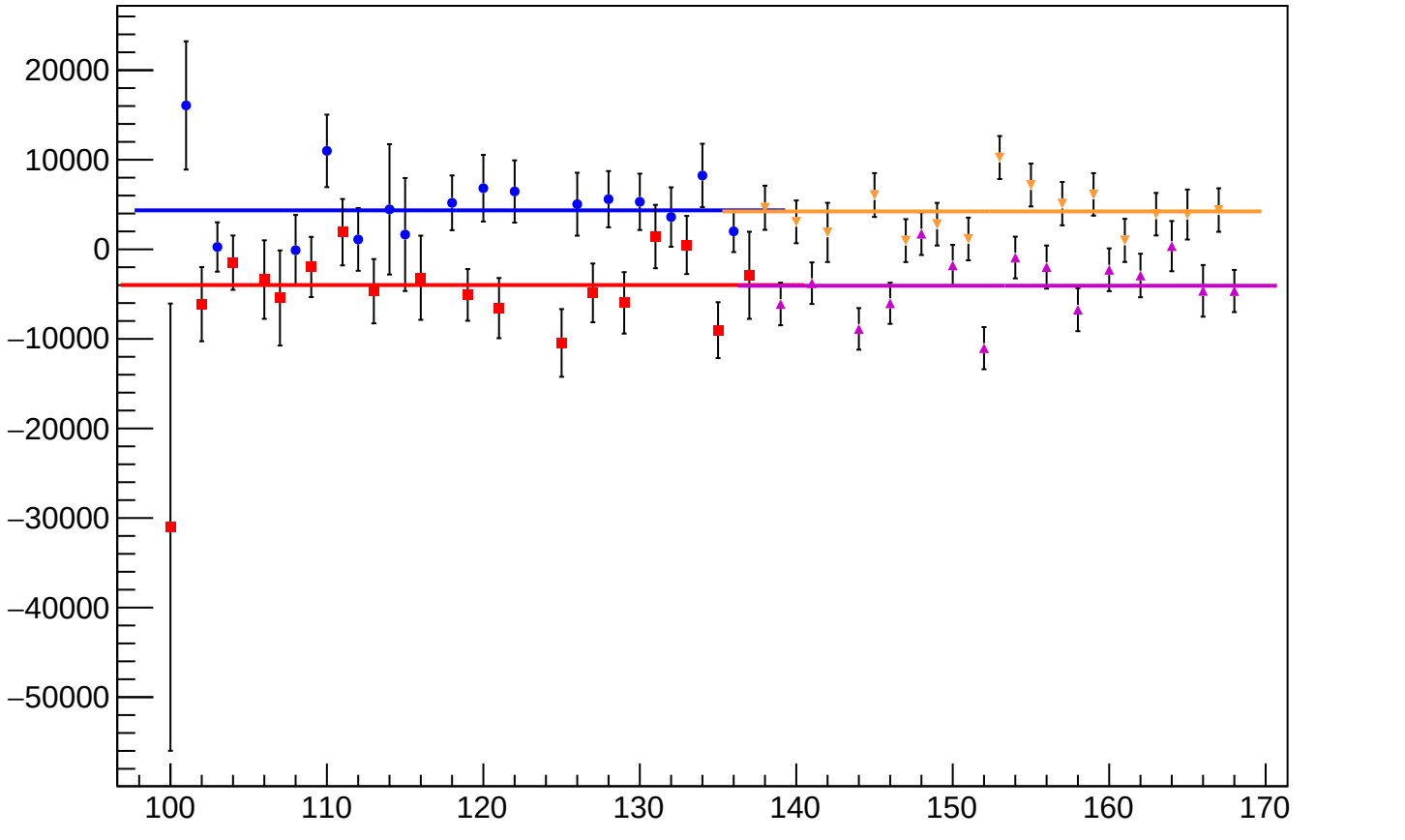
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1990.339+/-0.413 χ^2/NDF:1385136.9/14

+ sign 1853.423+/-0.310 χ^2/NDF: 1747062.0/30

All: 1871.432+/-0.220 χ^2/NDF: 4028758.1/63

- sign 1889.821+/-0.313 χ^2/NDF: 2274868.3/32



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4234.563+/-636.424 χ^2/NDF:15.6/14

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

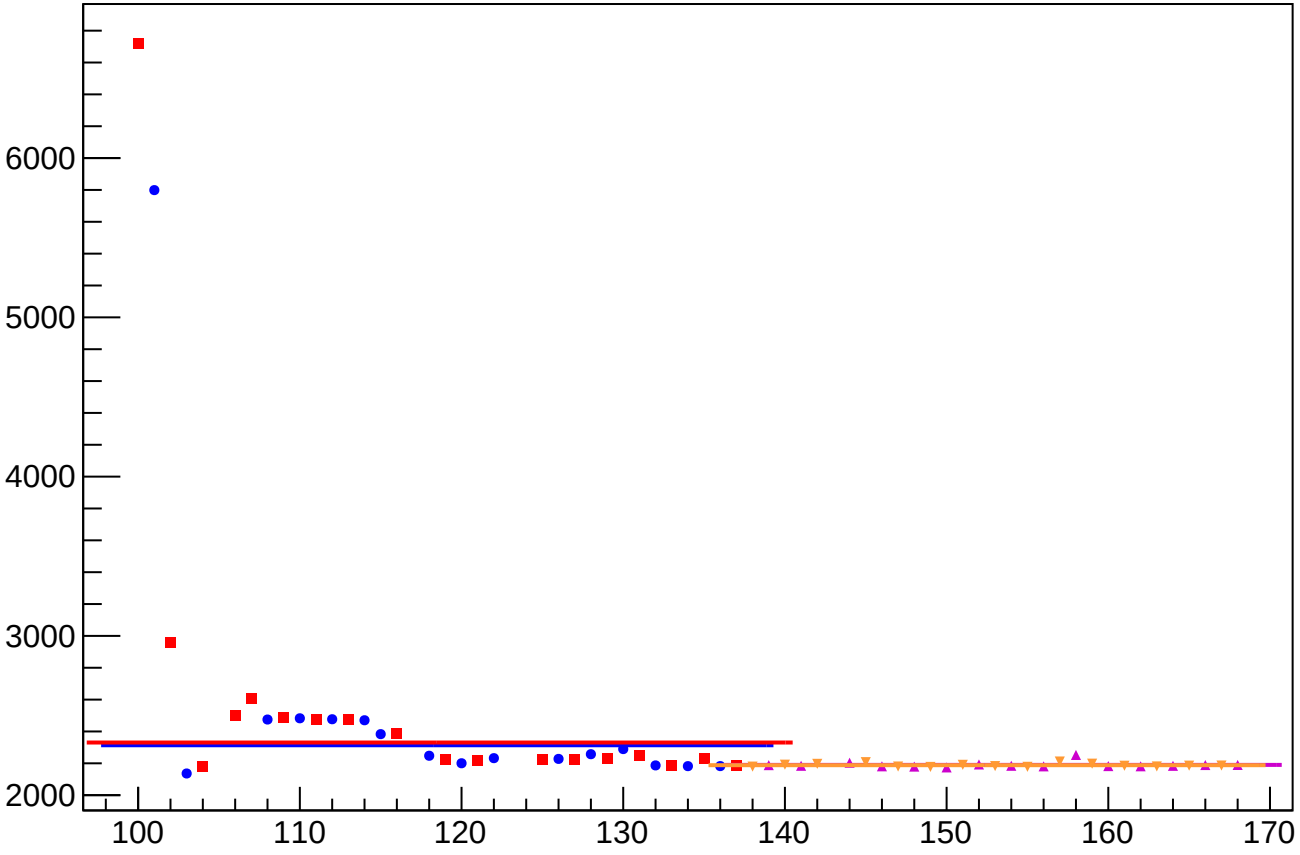
Left In: -4064.093+/-621.644 χ^2/NDF:28.7/14

+ sign 4275.763+/-514.714 χ^2/NDF: 29.0/30

All: 48.018+/-360.866 χ^2/NDF: 206.5/63

- sign -4039.066+/-506.079 χ^2/NDF: 44.8/32

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.249+/-0.450 χ^2/NDF:522.5/14

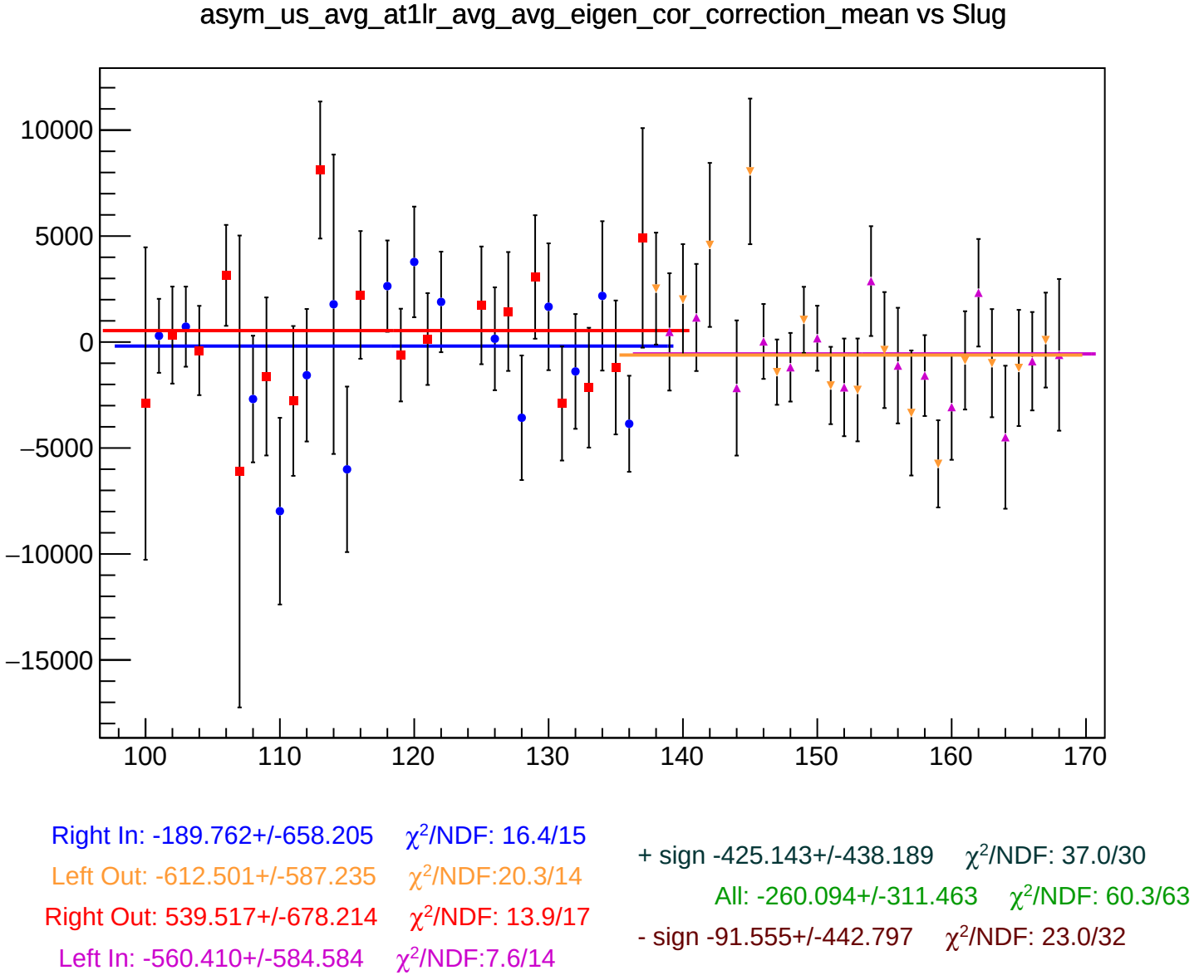
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.079+/-0.440 χ^2/NDF:1701.7/14

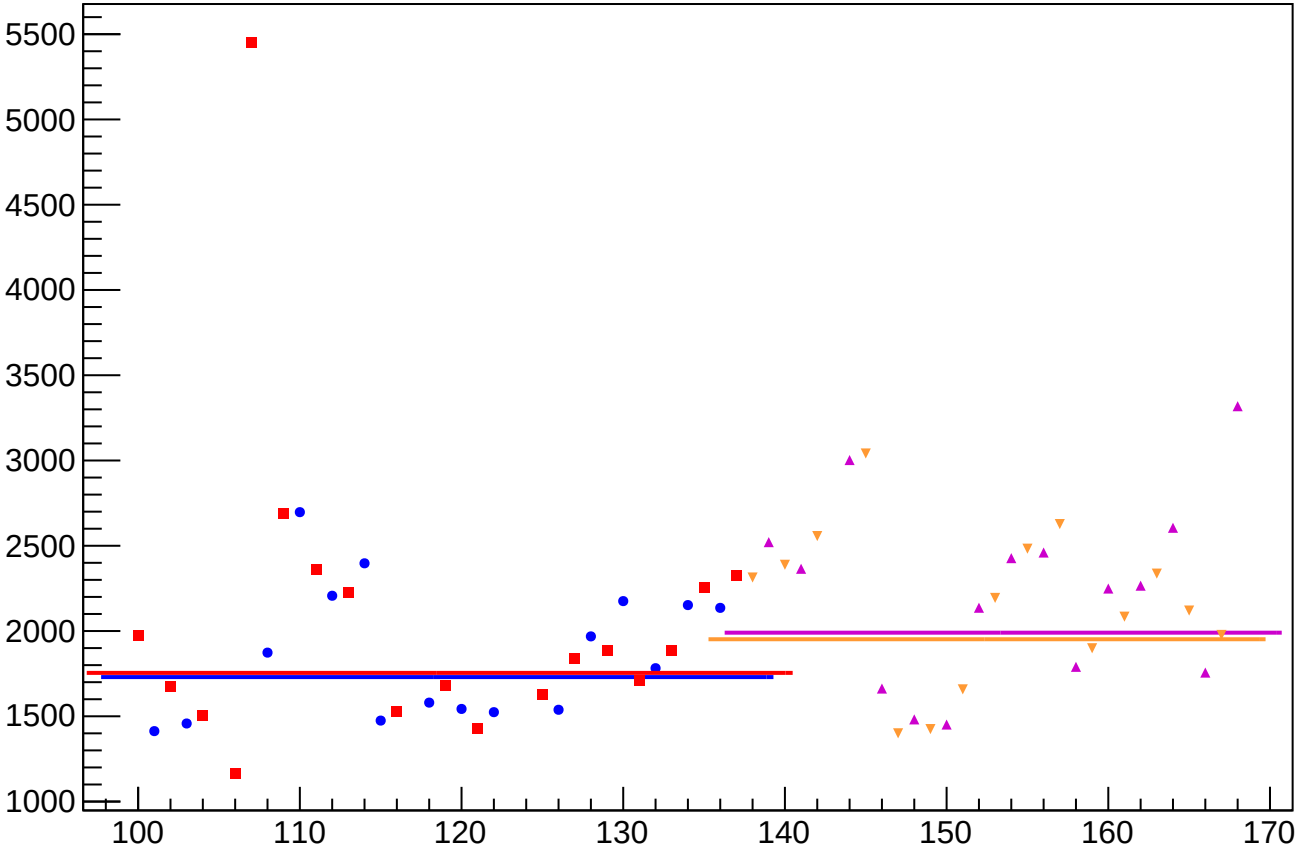
+ sign 2231.545+/-0.364 χ^2/NDF: 539652.9/30

All: 2234.552+/-0.255 χ^2/NDF: 727495.7/63

- sign 2237.459+/-0.358 χ^2/NDF: 187708.6/32


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -612.501+/-587.235 χ²/NDF:20.3/14
Right Out: 539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -560.410+/-584.584 χ²/NDF:7.6/14
+ sign -425.143+/-438.189 χ²/NDF: 37.0/30
All: -260.094+/-311.463 χ²/NDF: 60.3/63
- sign -91.555+/-442.797 χ²/NDF: 23.0/32

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1951.746+/-0.415 χ^2/NDF:1140656.2/14

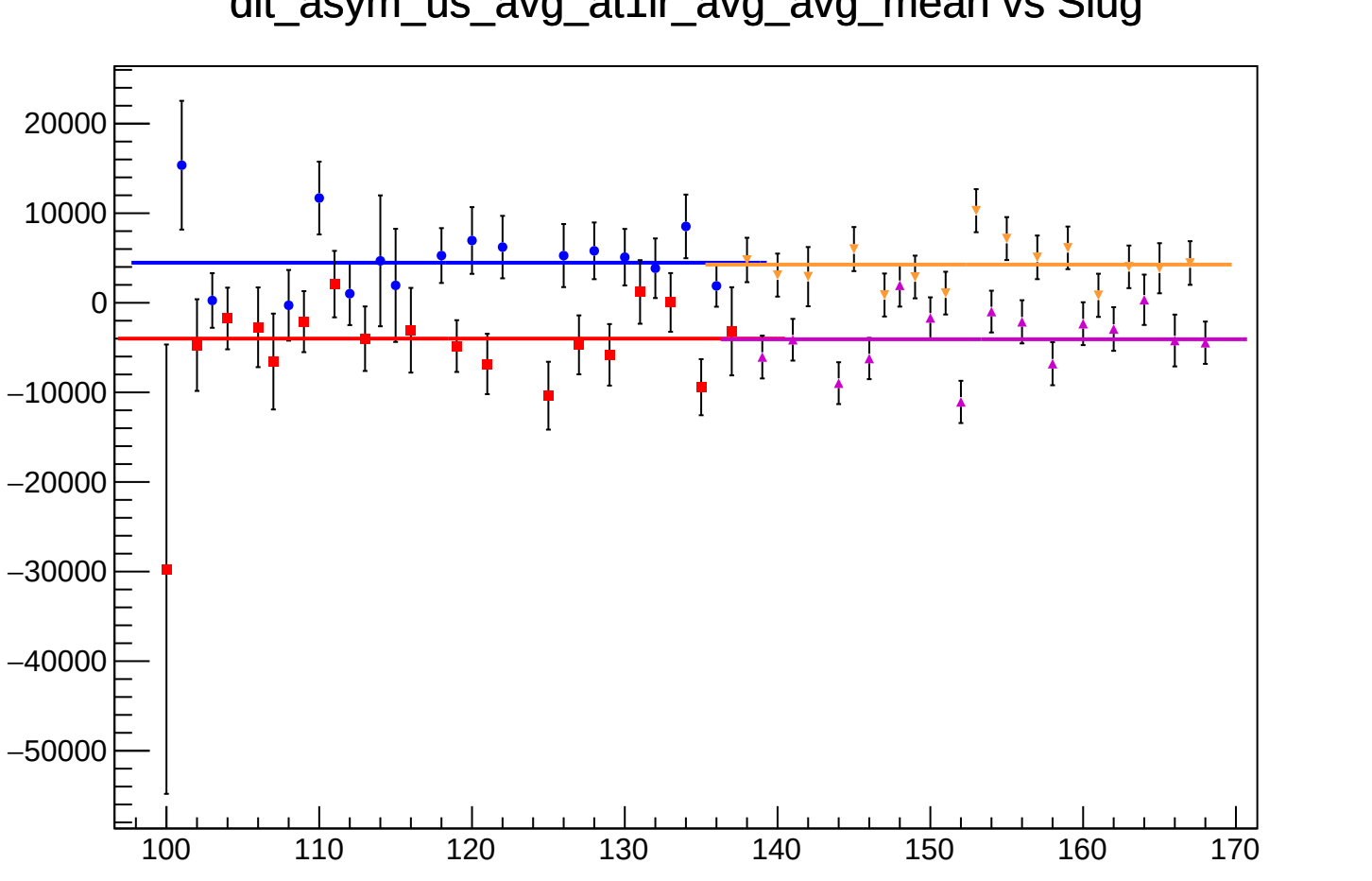
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1990.339+/-0.413 χ^2/NDF:1385136.9/14

+ sign 1853.423+/-0.310 χ^2/NDF: 1747062.0/30

All: 1871.432+/-0.220 χ^2/NDF: 4028758.1/63

- sign 1889.821+/-0.313 χ^2/NDF: 2274868.3/32



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4267.684+/-638.027 χ^2/NDF:15.6/14

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

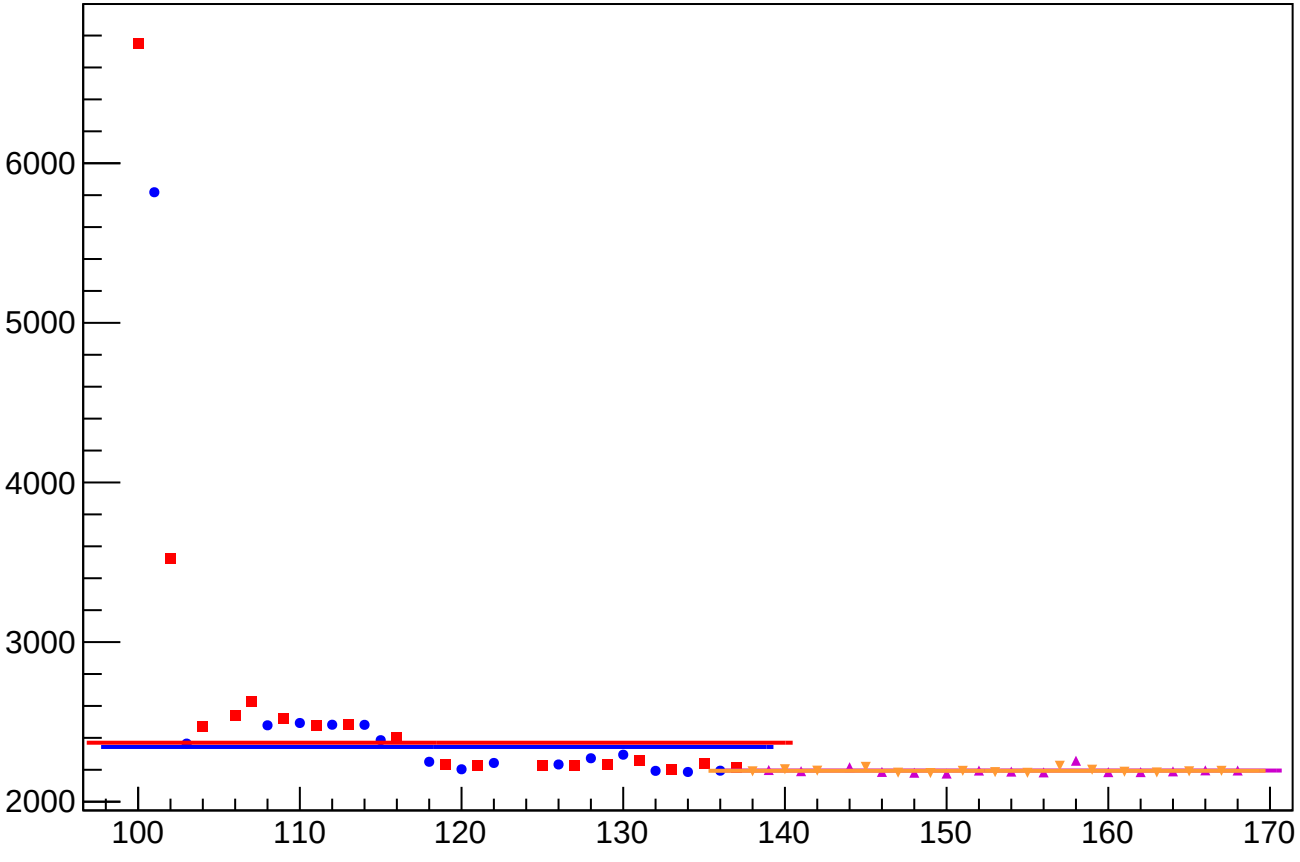
Left In: -4070.990+/-623.133 χ^2/NDF:29.2/14

+ sign 4338.960+/-517.769 χ^2/NDF: 29.2/30

All: 87.384+/-363.534 χ^2/NDF: 206.8/63

- sign -4046.275+/-510.538 χ^2/NDF: 44.7/32

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2193.653+/-0.451 χ^2/NDF:838.4/14

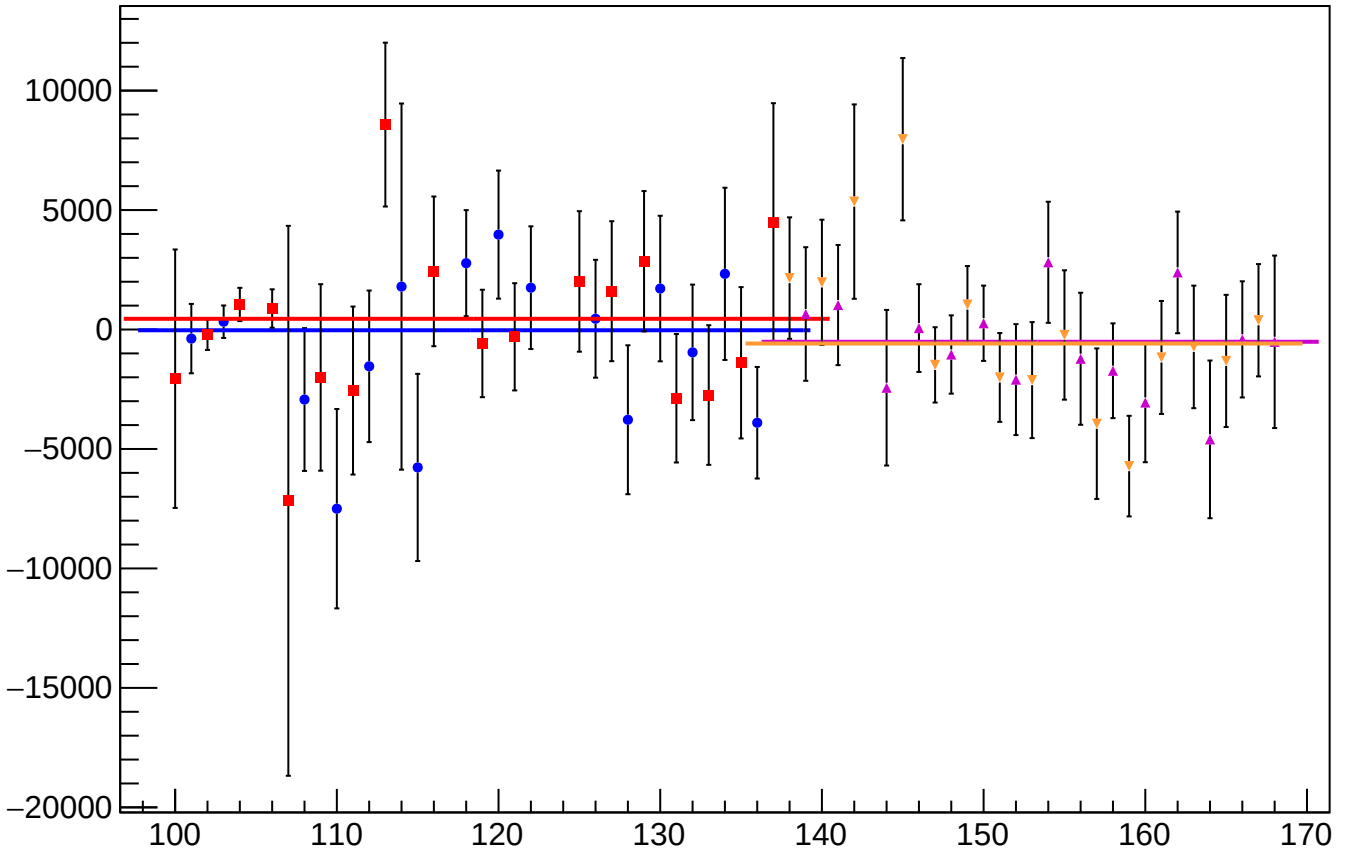
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2195.260+/-0.441 χ^2/NDF:1840.1/14

+ sign 2244.617+/-0.366 χ^2/NDF: 541078.0/30

All: 2248.646+/-0.257 χ^2/NDF: 804752.6/63

- sign 2252.563+/-0.361 χ^2/NDF: 263435.8/32



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -586.052+/-597.786 χ^2/NDF:20.3/14

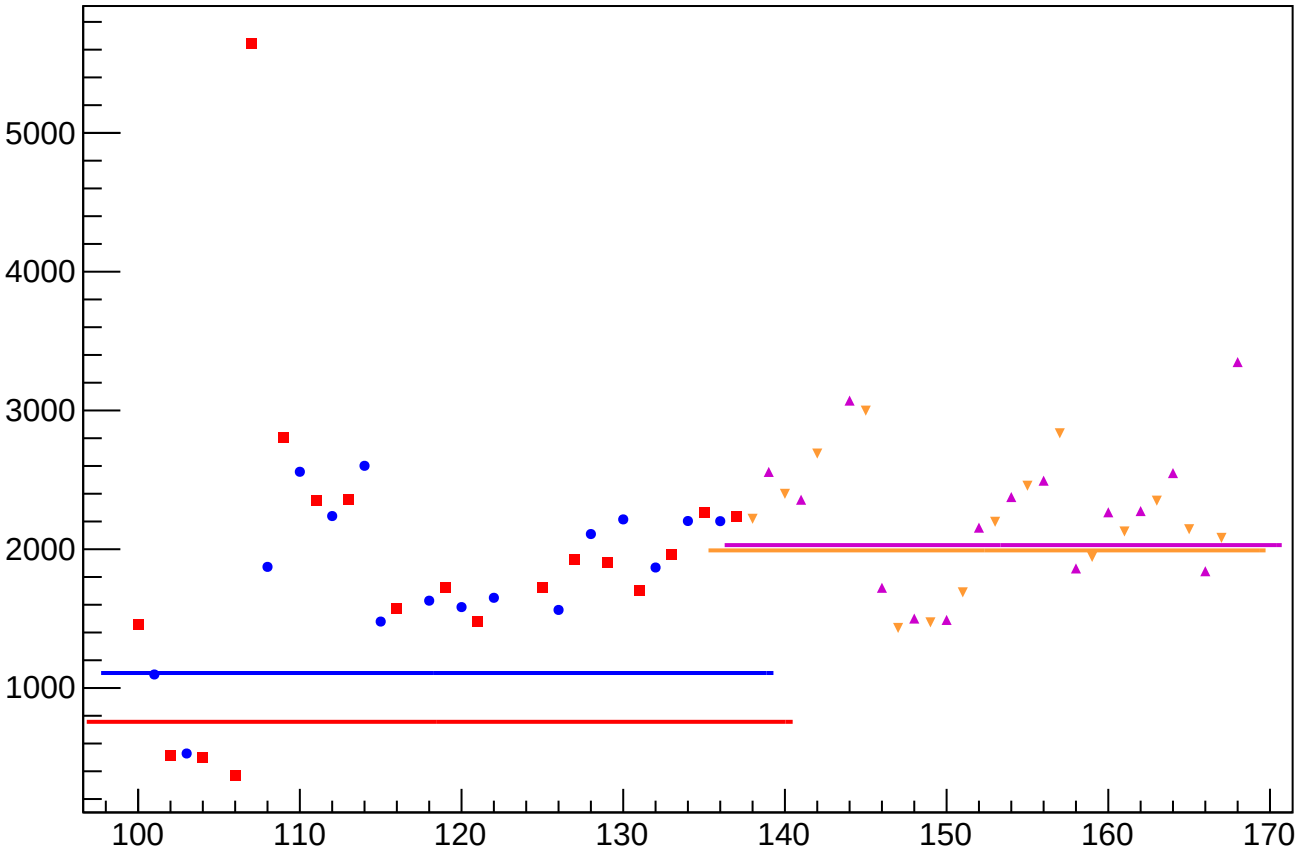
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -512.975+/-594.359 χ^2/NDF:7.8/14

+ sign -251.748+/-376.785 χ^2/NDF: 37.1/30

All: 10.557+/-239.171 χ^2/NDF: 62.8/63

- sign 187.572+/-309.525 χ^2/NDF: 24.8/32



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1991.688+/-0.423 χ^2/NDF:1082702.5/14

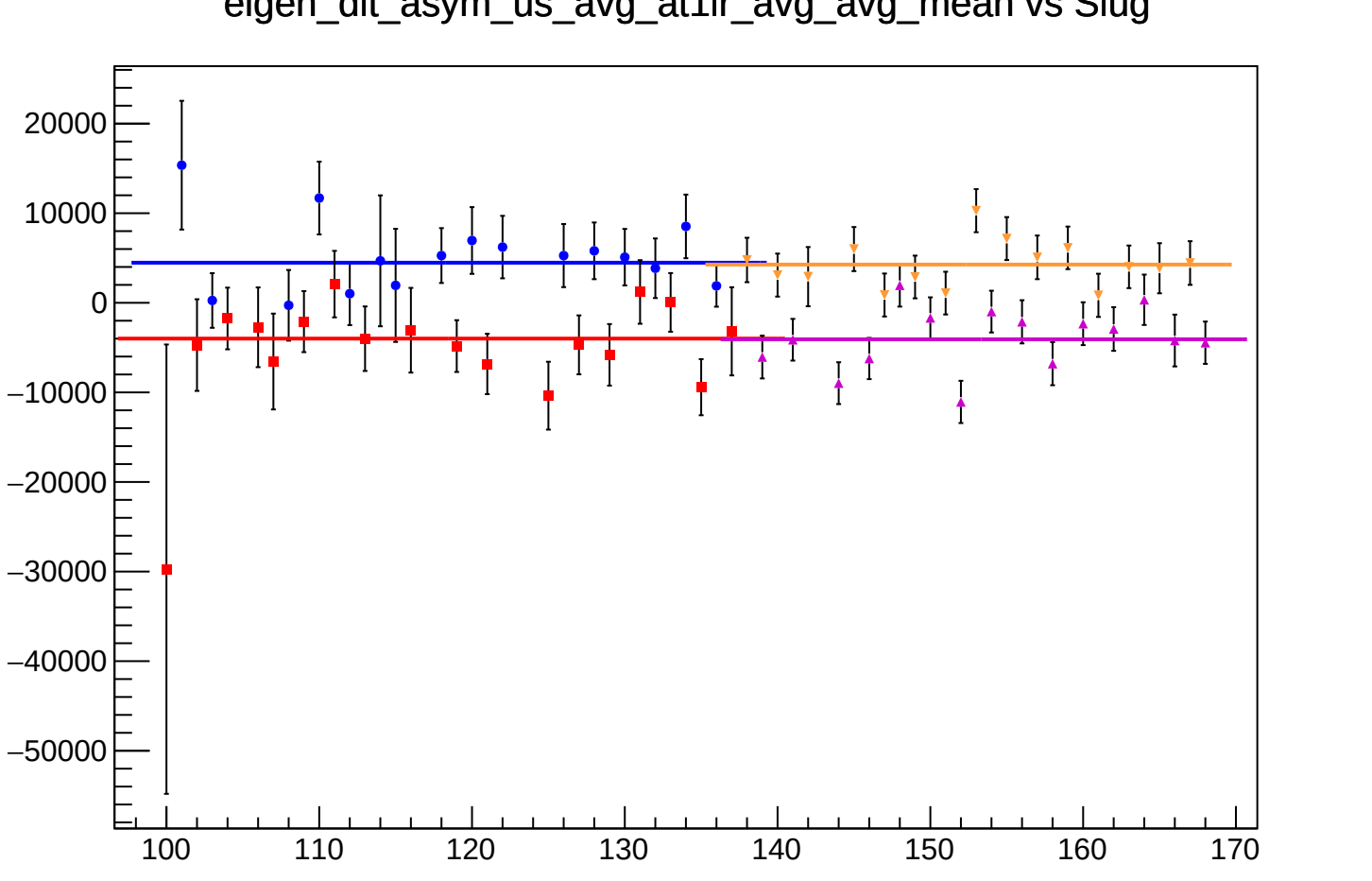
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2029.814+/-0.420 χ^2/NDF:1287389.1/14

+ sign 1459.155+/-0.266 χ^2/NDF: 7462572.5/30

All: 1245.769+/-0.169 χ^2/NDF: 22118147.5/6

- sign 1101.767+/-0.219 χ^2/NDF: 13581215.7/32



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4267.682+/-638.027 χ^2/NDF:15.6/14

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

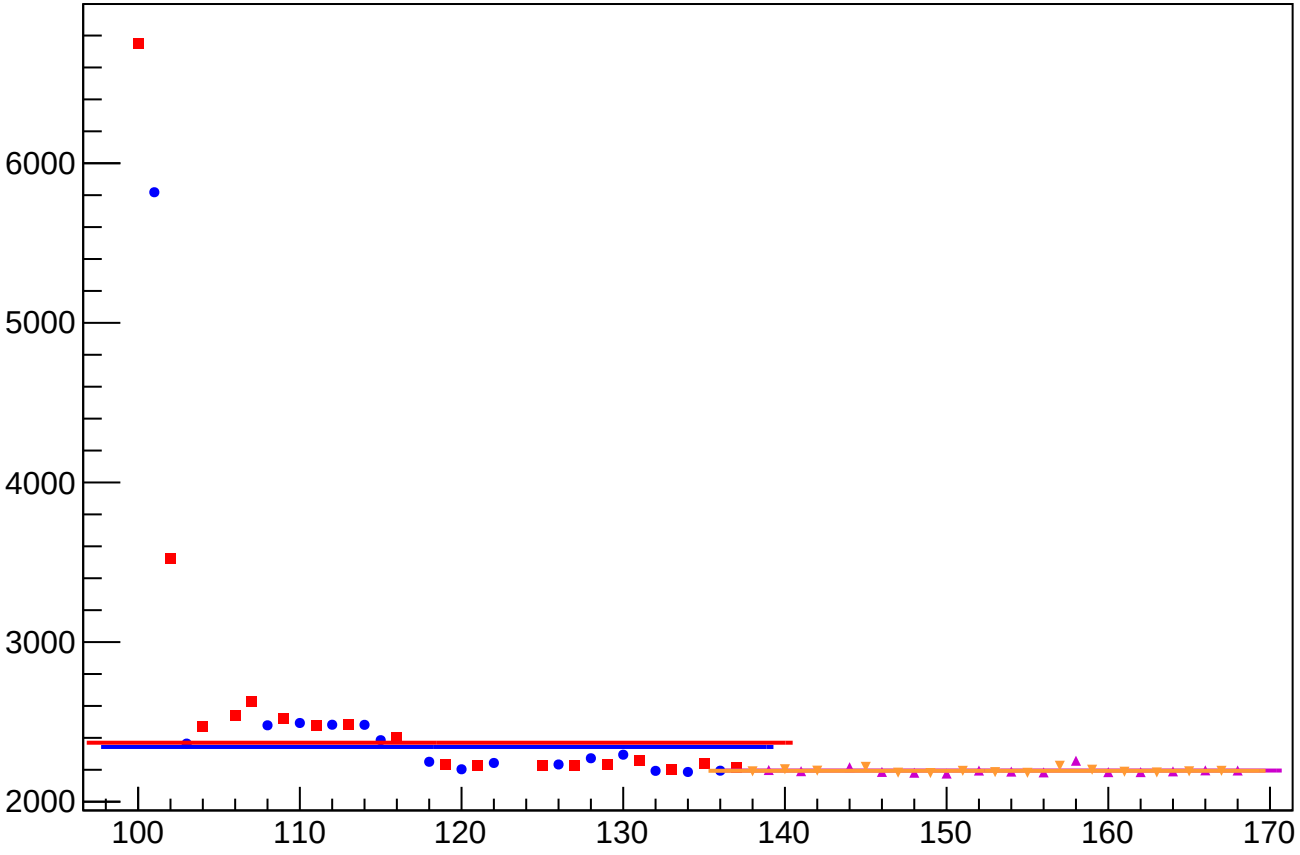
Left In: -4070.991+/-623.133 χ^2/NDF:29.2/14

+ sign 4338.956+/-517.769 χ^2/NDF: 29.2/30

All: 87.382+/-363.534 χ^2/NDF: 206.8/63

- sign -4046.274+/-510.538 χ^2/NDF: 44.7/32

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: 2193.653+/-0.451 χ^2/NDF:838.4/14

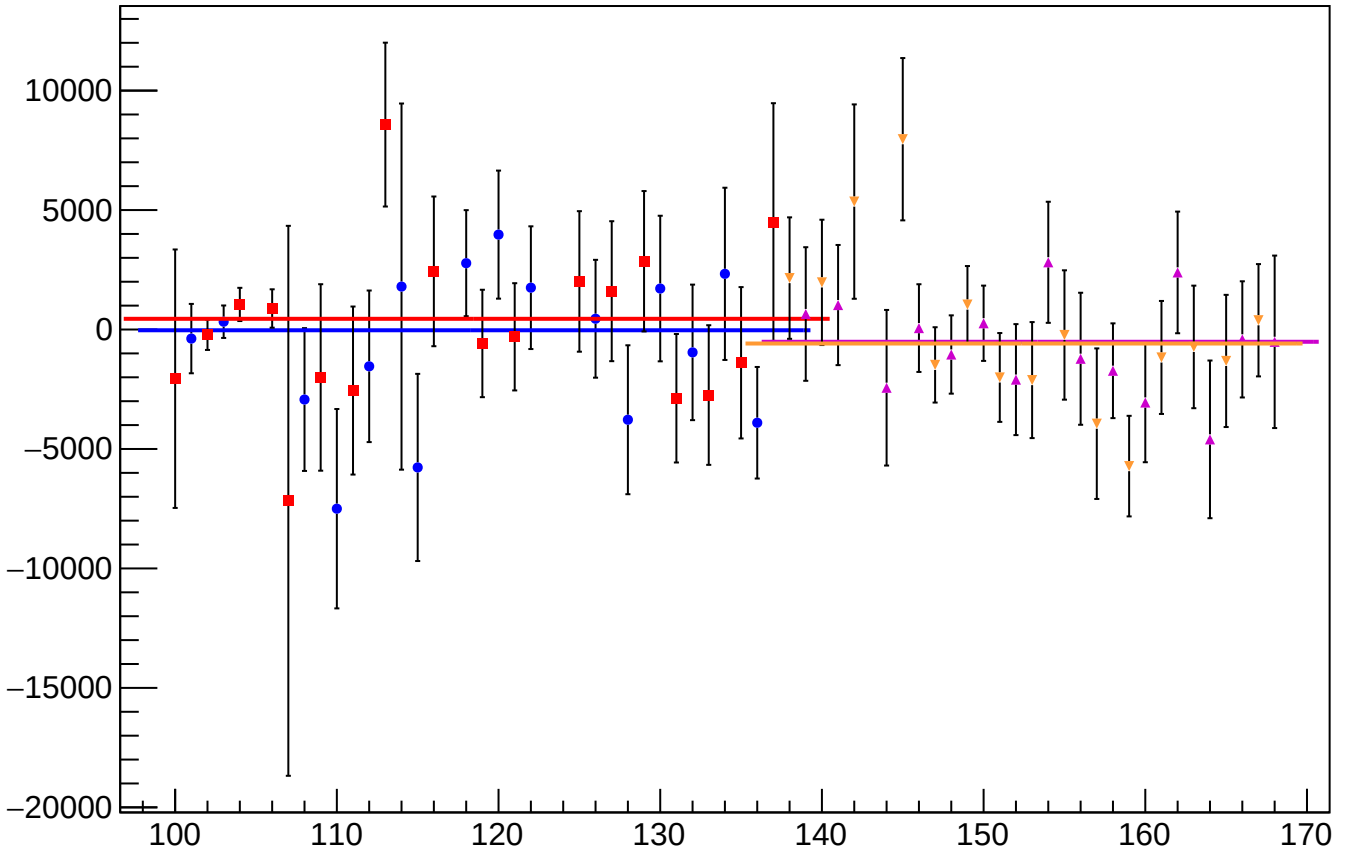
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2195.260+/-0.441 χ^2/NDF:1840.1/14

+ sign 2244.617+/-0.366 χ^2/NDF: 541077.8/30

All: 2248.646+/-0.257 χ^2/NDF: 804751.0/63

- sign 2252.563+/-0.361 χ^2/NDF: 263434.4/32



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -586.057+/-597.787 χ^2/NDF:20.3/14

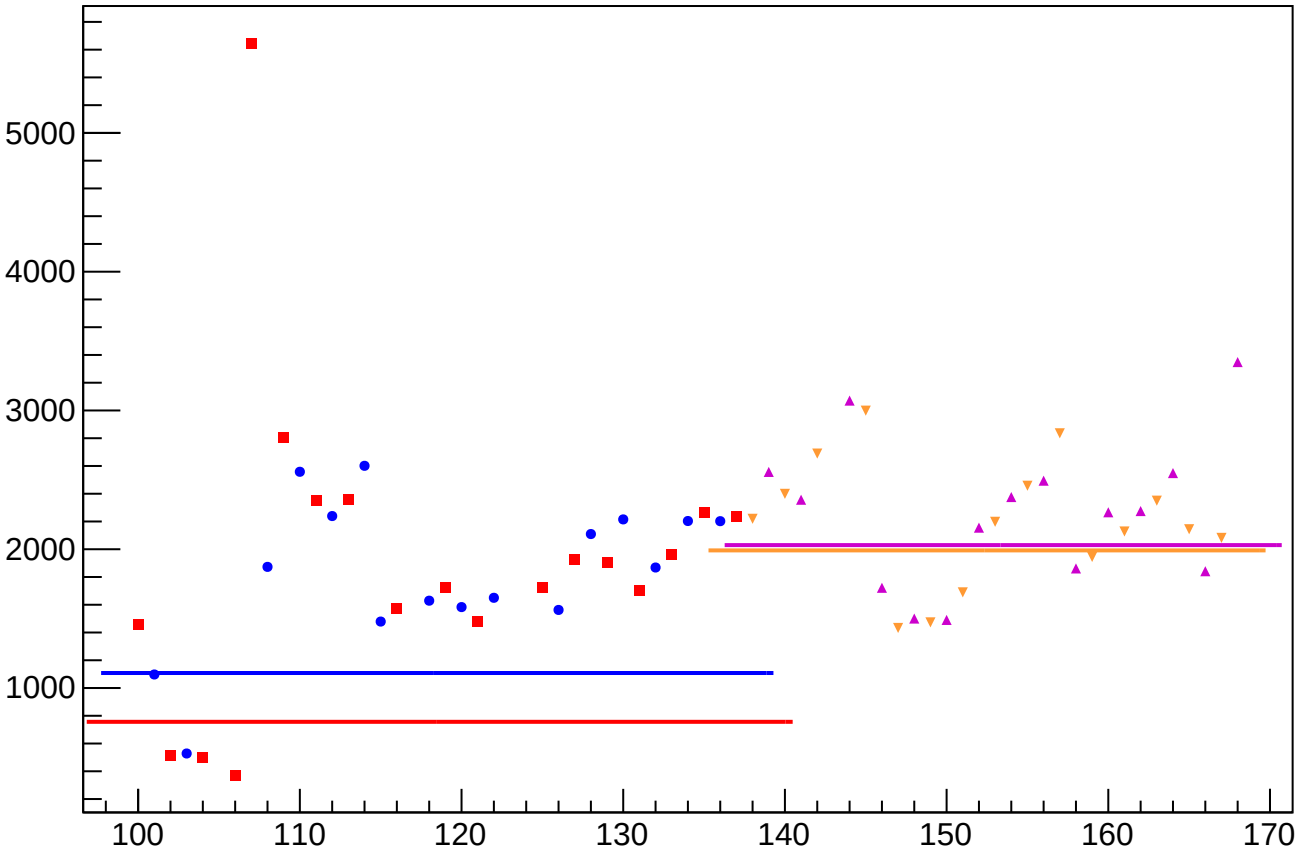
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -512.976+/-594.360 χ^2/NDF:7.8/14

+ sign -251.755+/-376.787 χ^2/NDF: 37.1/30

All: 10.551+/-239.173 χ^2/NDF: 62.8/63

- sign 187.570+/-309.528 χ^2/NDF: 24.8/32



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1991.691+/-0.423 χ^2/NDF:1082702.6/14

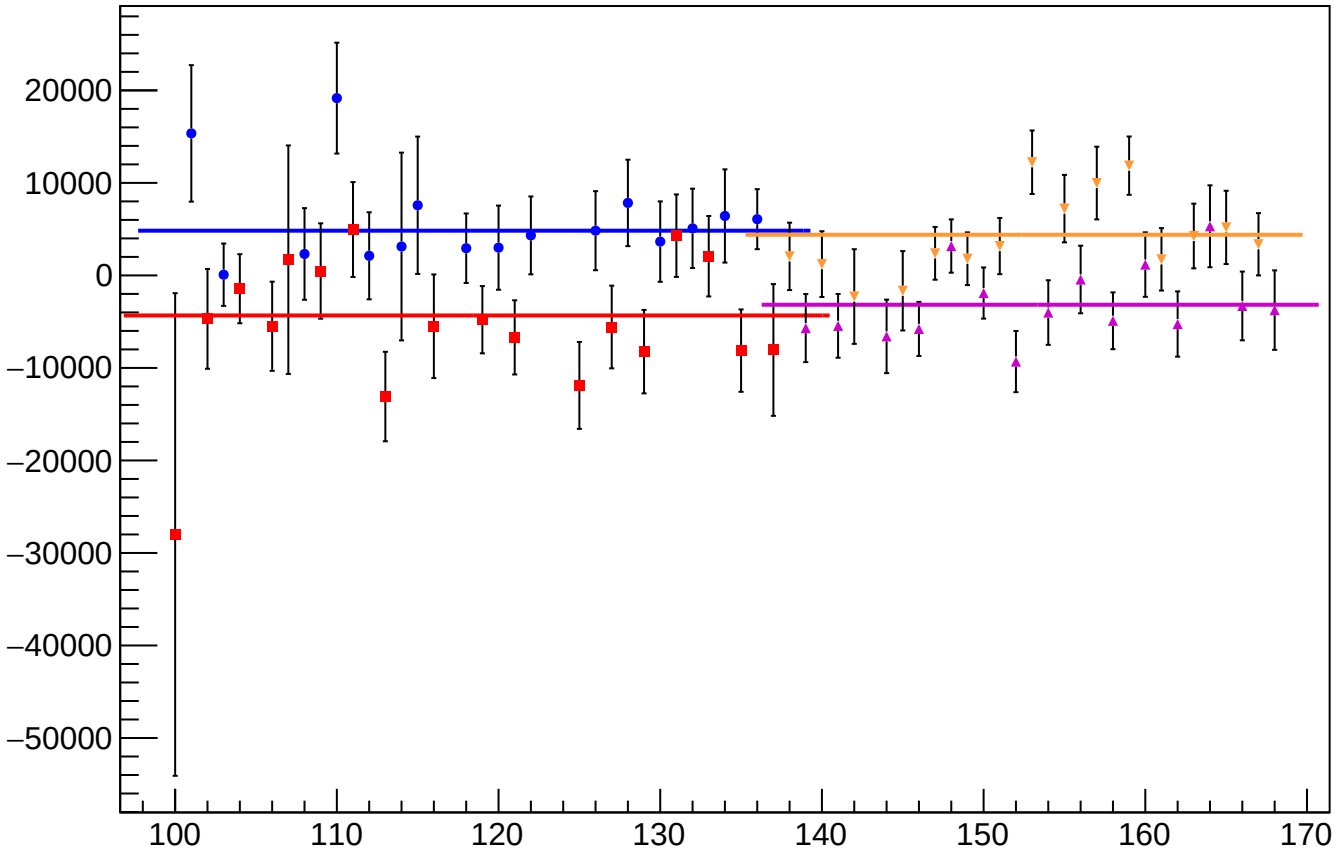
Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2029.818+/-0.420 χ^2/NDF:1287388.1/14

+ sign 1459.164+/-0.266 χ^2/NDF: 7462443.7/30

All: 1245.784+/-0.169 χ^2/NDF: 22117648.1/6

- sign 1101.784+/-0.219 χ^2/NDF: 13580911.8/32



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 4392.985+/-894.756 χ^2/NDF:20.6/14

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

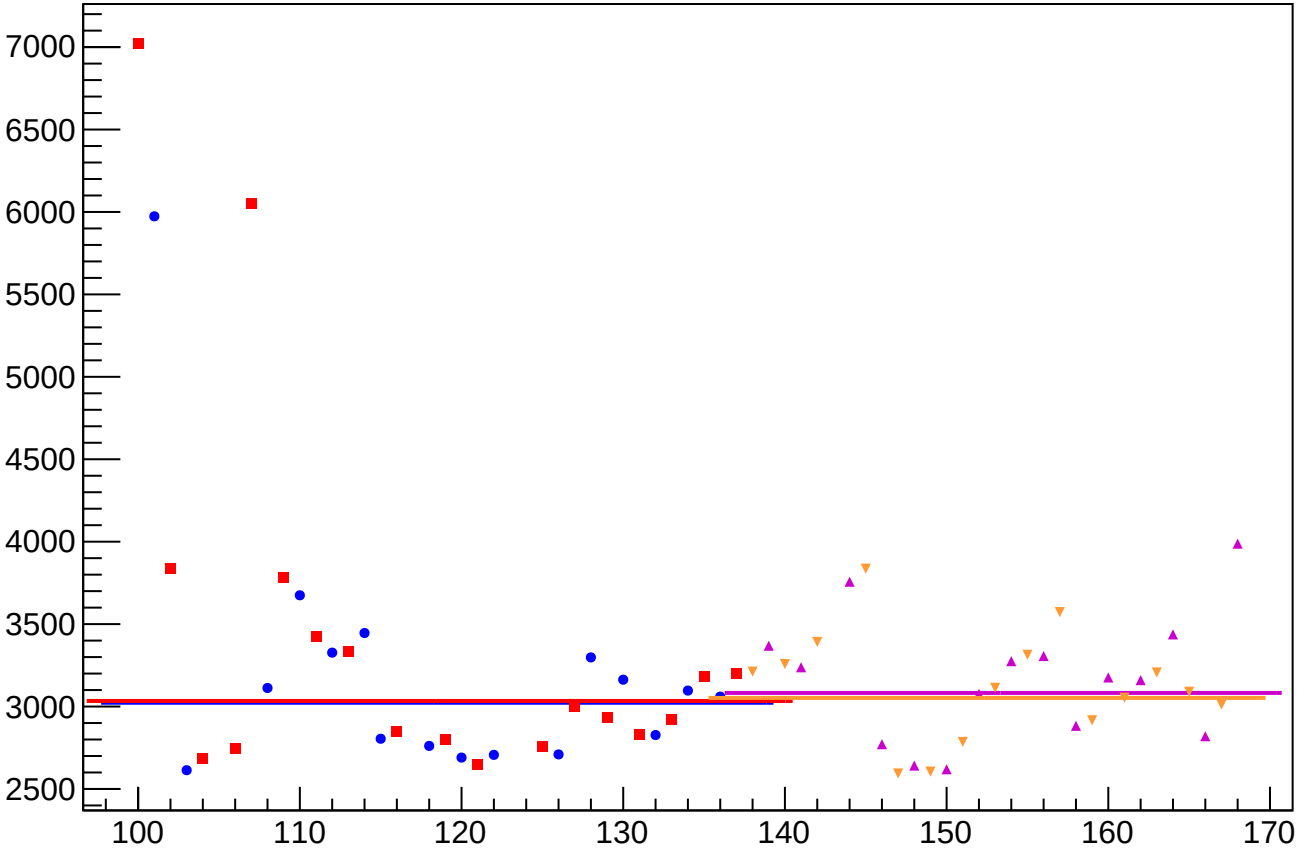
Left In: -3169.792+/-882.312 χ^2/NDF:17.5/14

+ sign 4560.564+/-704.446 χ^2/NDF: 32.4/30

All: 446.468+/-496.104 χ^2/NDF: 138.1/63

- sign -3601.741+/-698.782 χ^2/NDF: 38.0/32

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3052.359+/-0.633 χ^2/NDF:256529.1/14

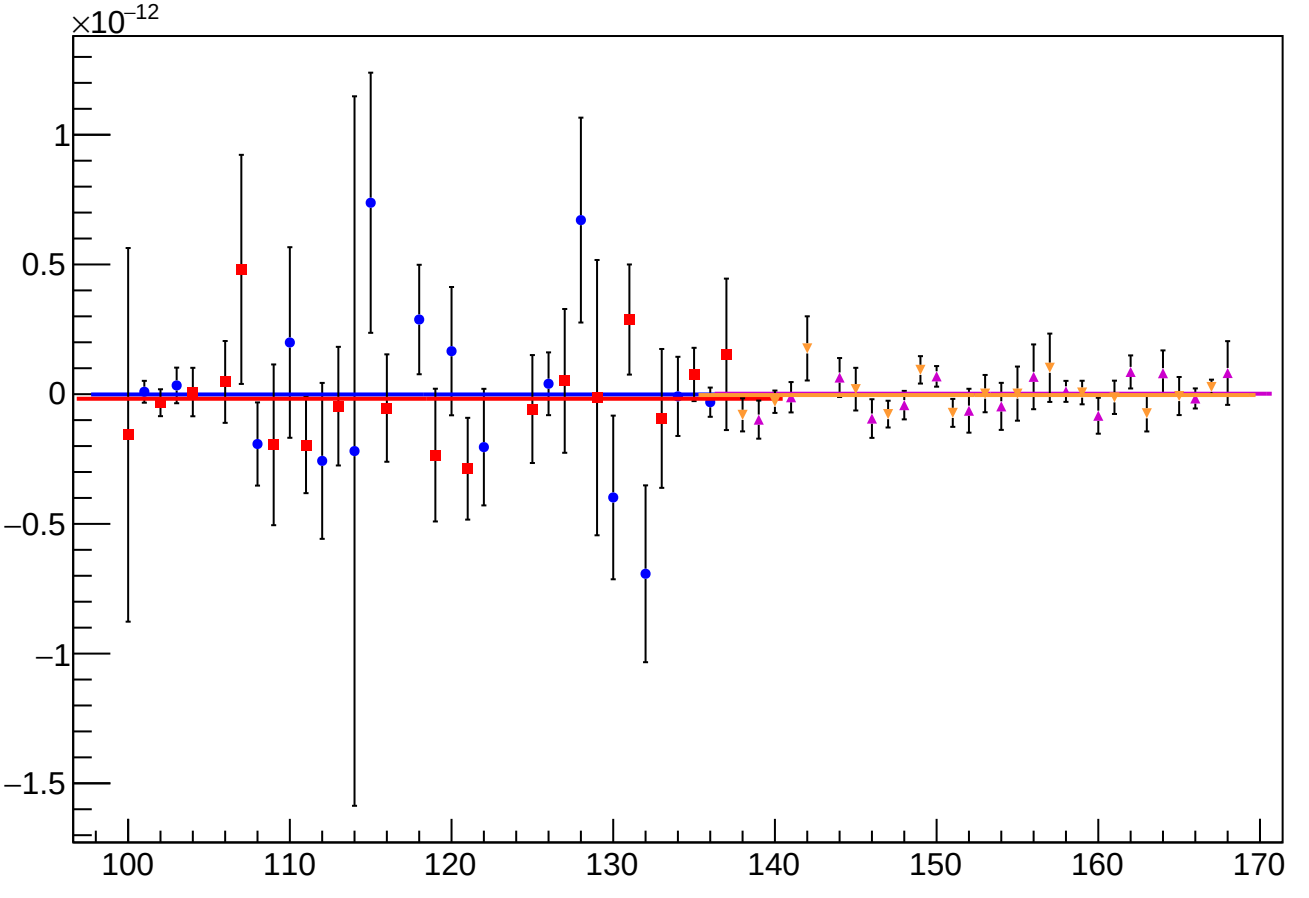
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3082.600+/-0.624 χ^2/NDF:335573.7/14

+ sign 3041.224+/-0.498 χ^2/NDF: 701049.6/30

All: 3052.923+/-0.351 χ^2/NDF: 1382666.6/63

- sign 3064.435+/-0.494 χ^2/NDF: 680522.6/32



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/14

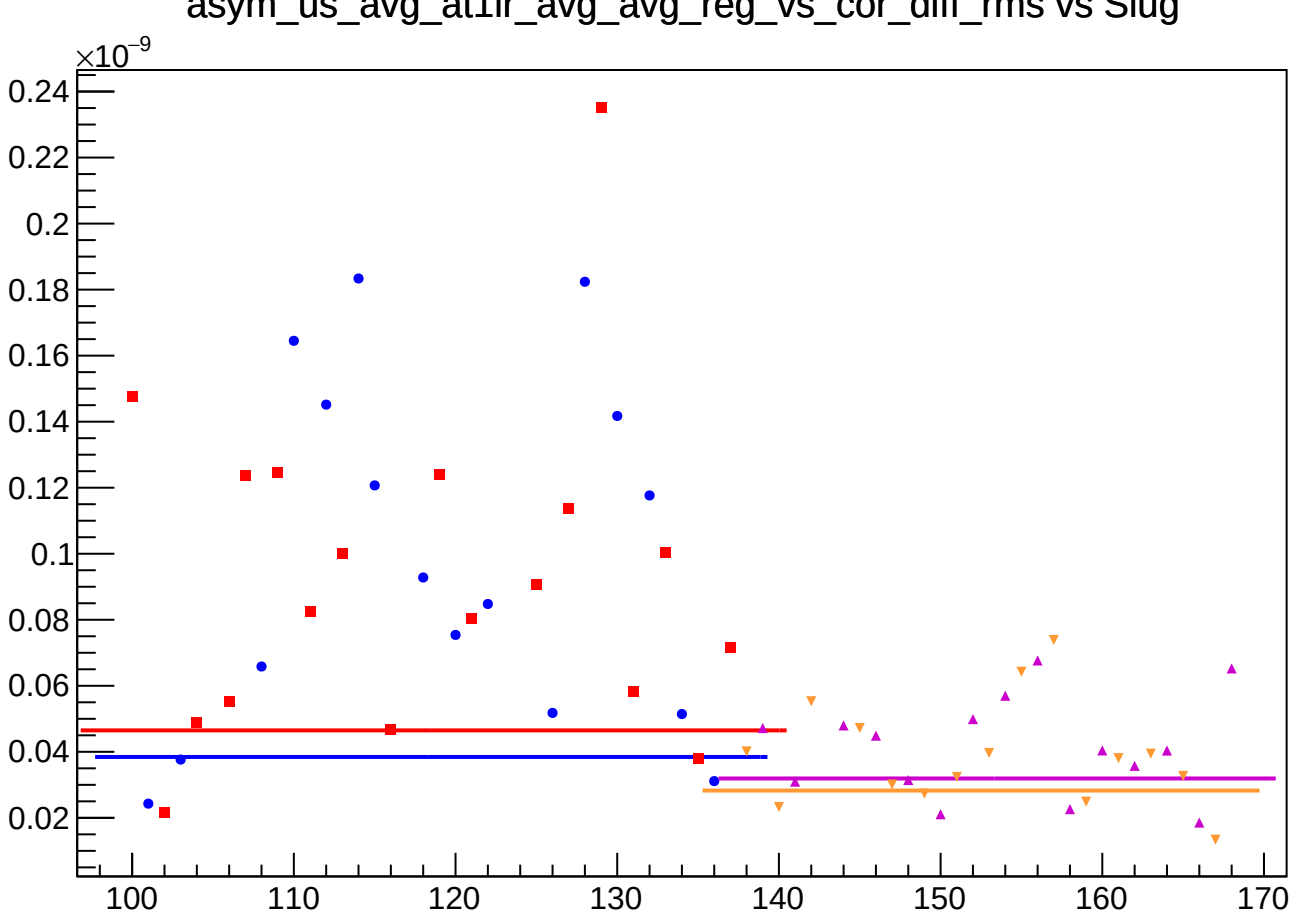
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.6/14

+ sign -0.000+/-0.000 χ^2/NDF: 31.0/30

All: -0.000+/-0.000 χ^2/NDF: 53.9/63

- sign -0.000+/-0.000 χ^2/NDF: 22.9/32



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1508036.6/14

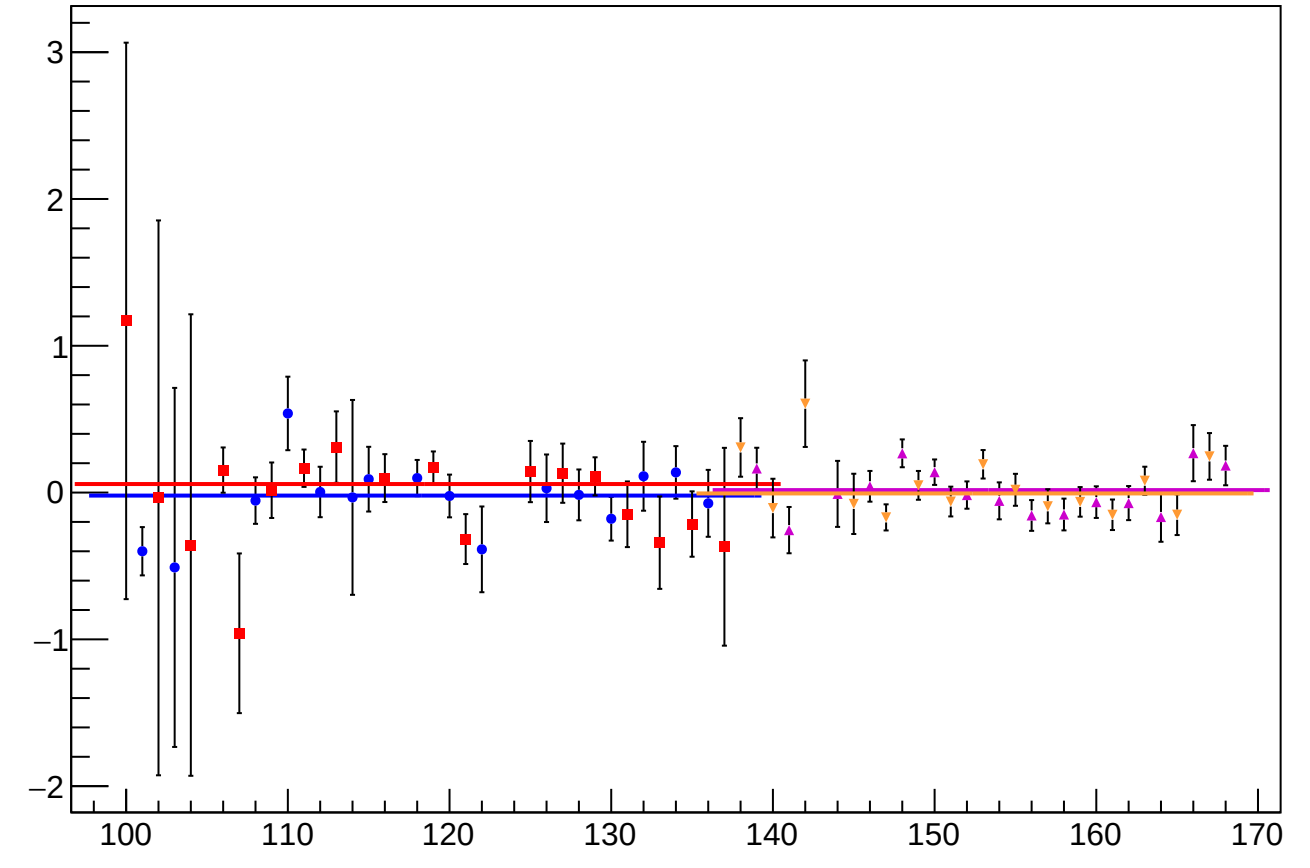
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1342364.7/14

+ sign 0.000+/-0.000 χ^2/NDF: 3496942.7/30

All: 0.000+/-0.000 χ^2/NDF: 6915062.1/63

- sign 0.000+/-0.000 χ^2/NDF: 3334595.5/32



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.006+/-0.031 χ^2/NDF:22.6/14

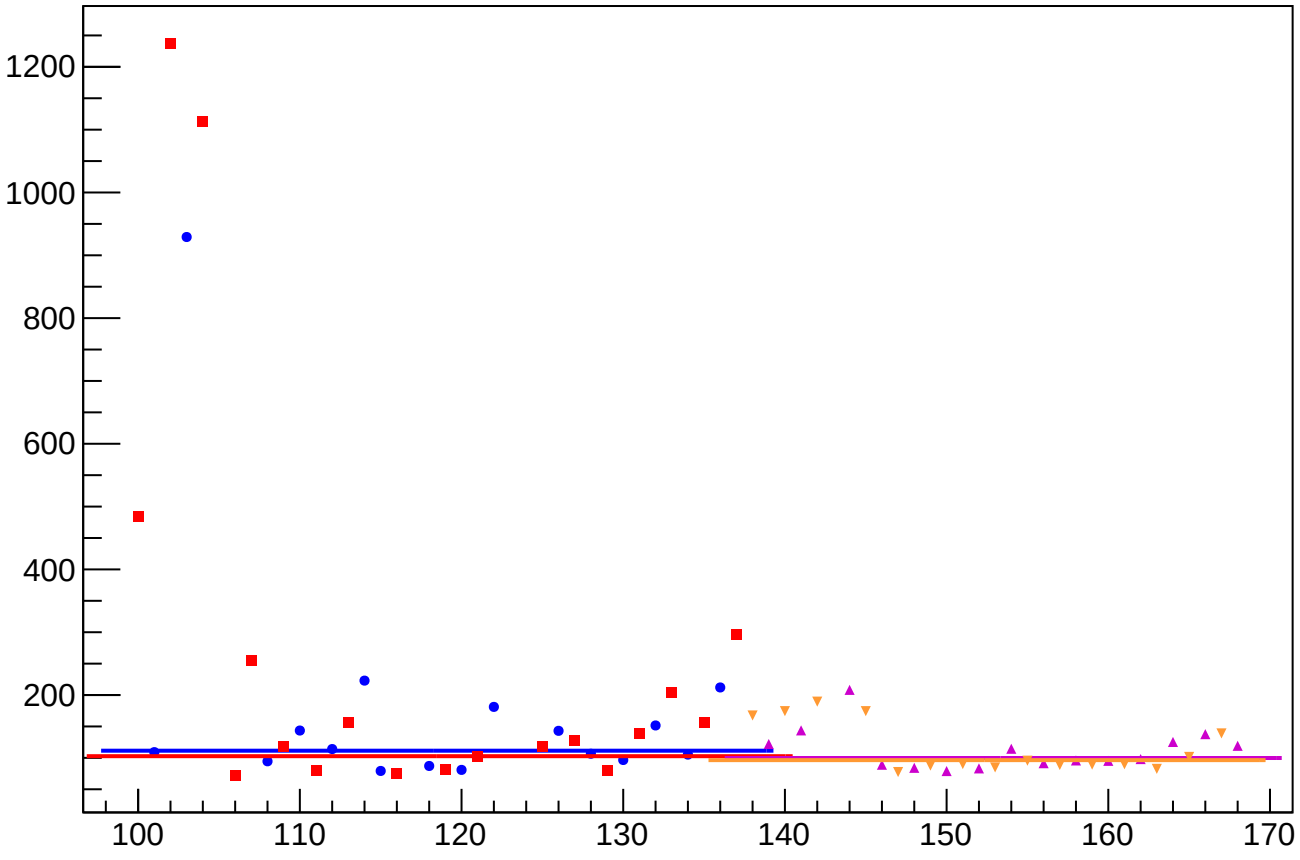
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.017+/-0.030 χ^2/NDF:24.3/14

+ sign -0.010+/-0.026 χ^2/NDF: 38.3/30

All: 0.010+/-0.018 χ^2/NDF: 81.2/63

- sign 0.029+/-0.025 χ^2/NDF: 41.7/32



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 96.384+/-0.022 χ^2/NDF:1405090.5/14

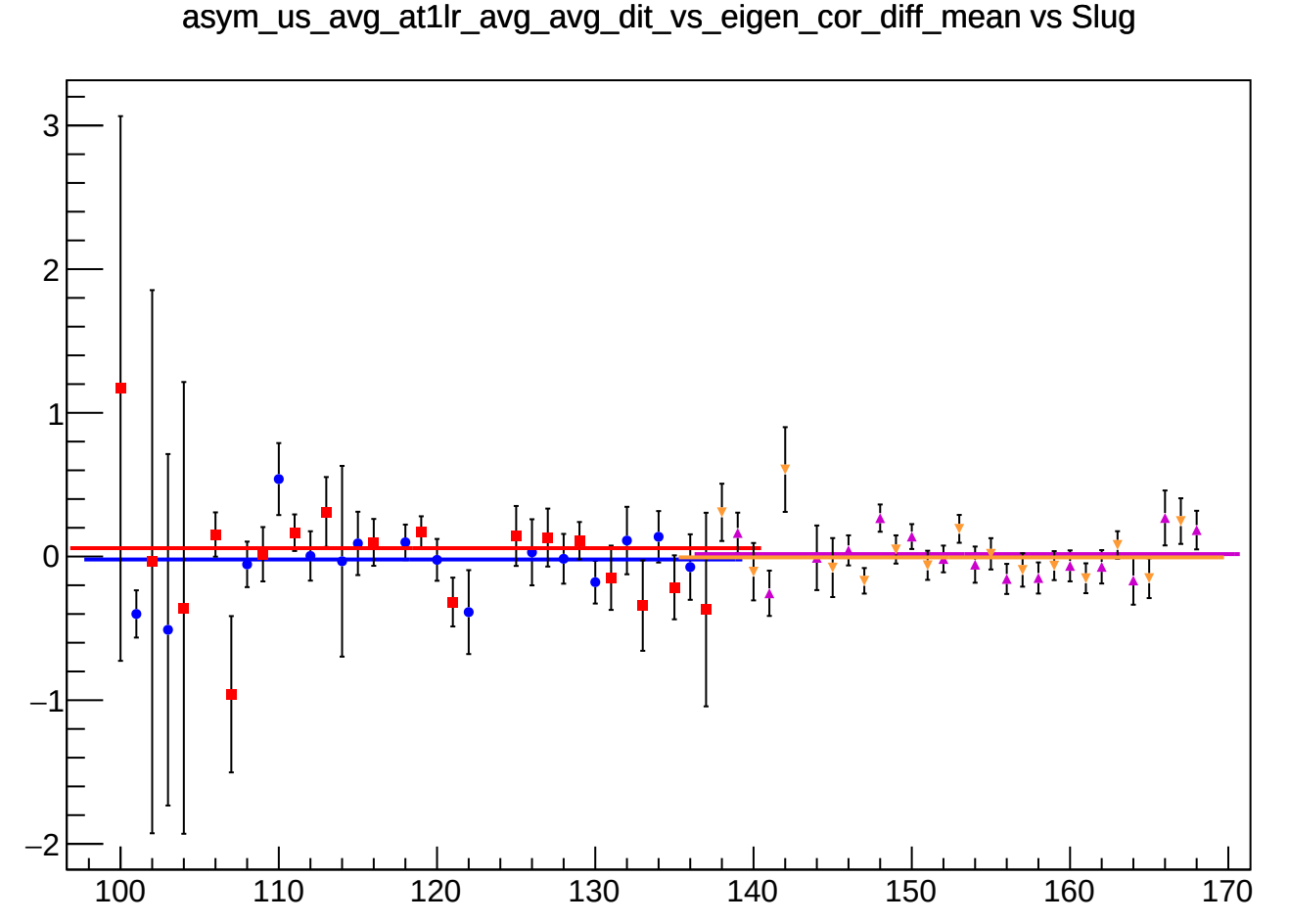
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 99.779+/-0.022 χ^2/NDF:1136187.4/14

+ sign 100.769+/-0.018 χ^2/NDF: 3385345.2/30

All: 100.709+/-0.013 χ^2/NDF: 7353842.3/63

- sign 100.650+/-0.018 χ^2/NDF: 3968475.7/32



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.006+/-0.031 χ^2/NDF:22.6/14

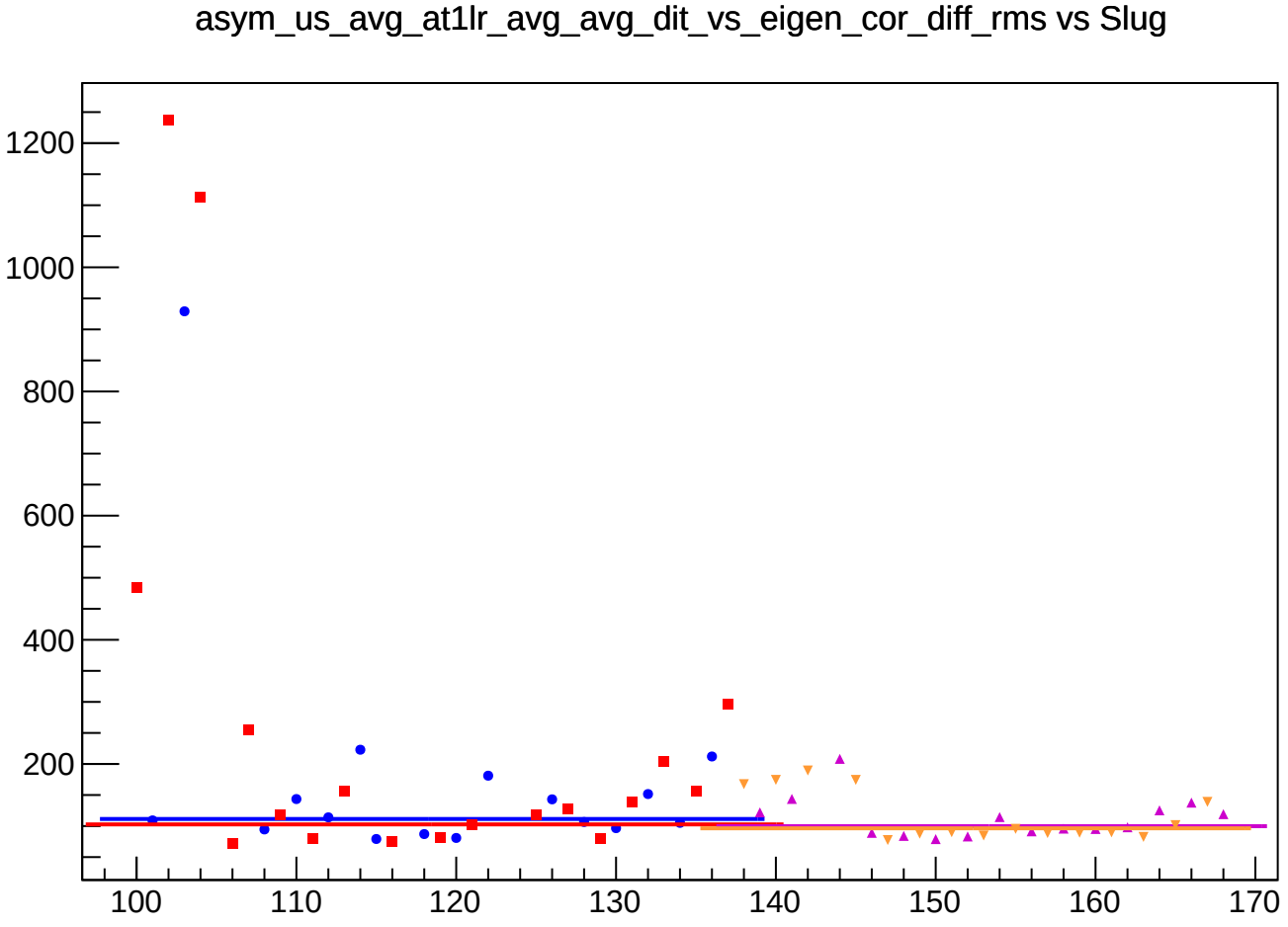
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.017+/-0.030 χ^2/NDF:24.3/14

+ sign -0.010+/-0.026 χ^2/NDF: 38.3/30

All: 0.010+/-0.018 χ^2/NDF: 81.2/63

- sign 0.029+/-0.025 χ^2/NDF: 41.7/32



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 96.384+/-0.022 χ^2/NDF:1405090.5/14

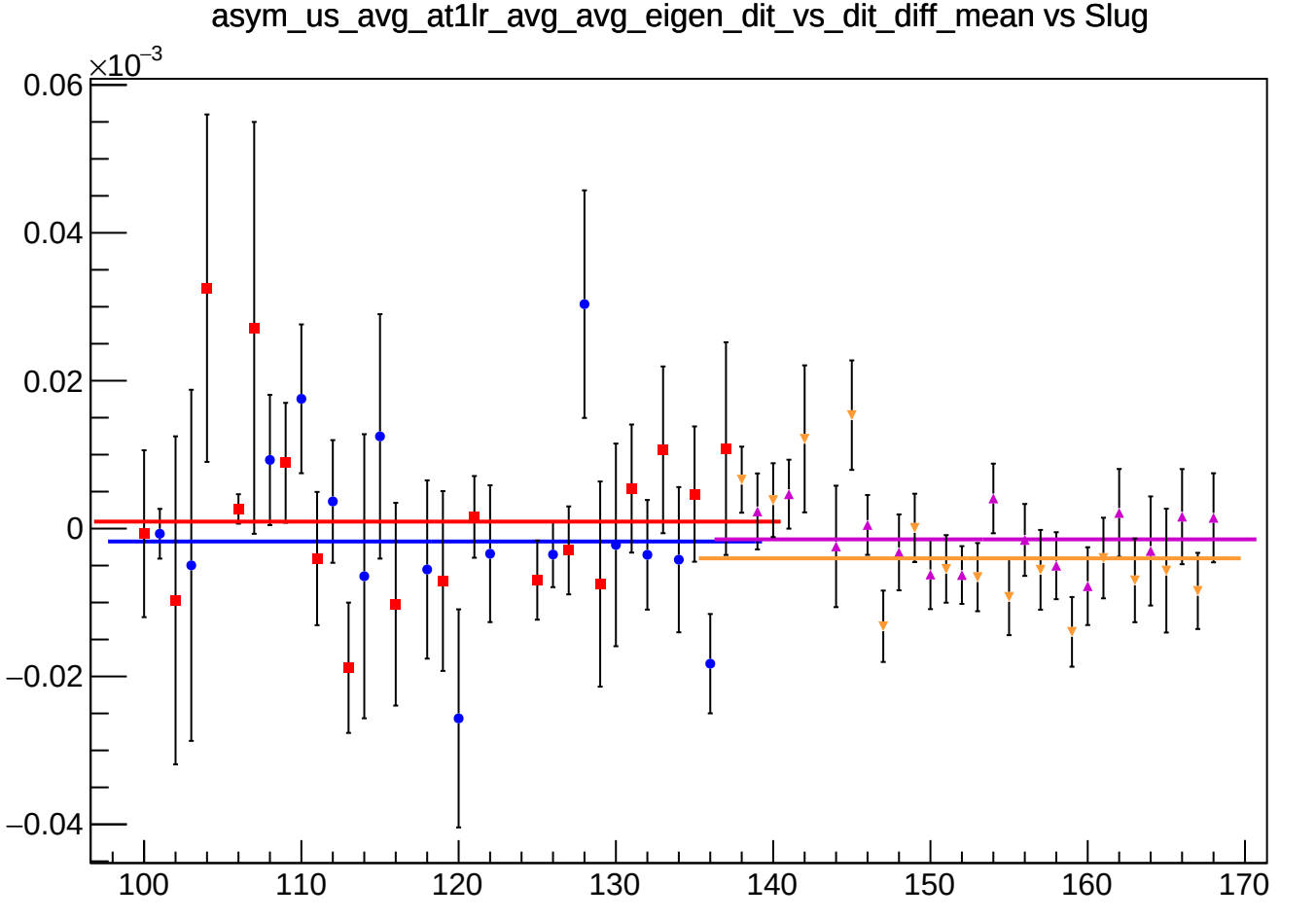
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

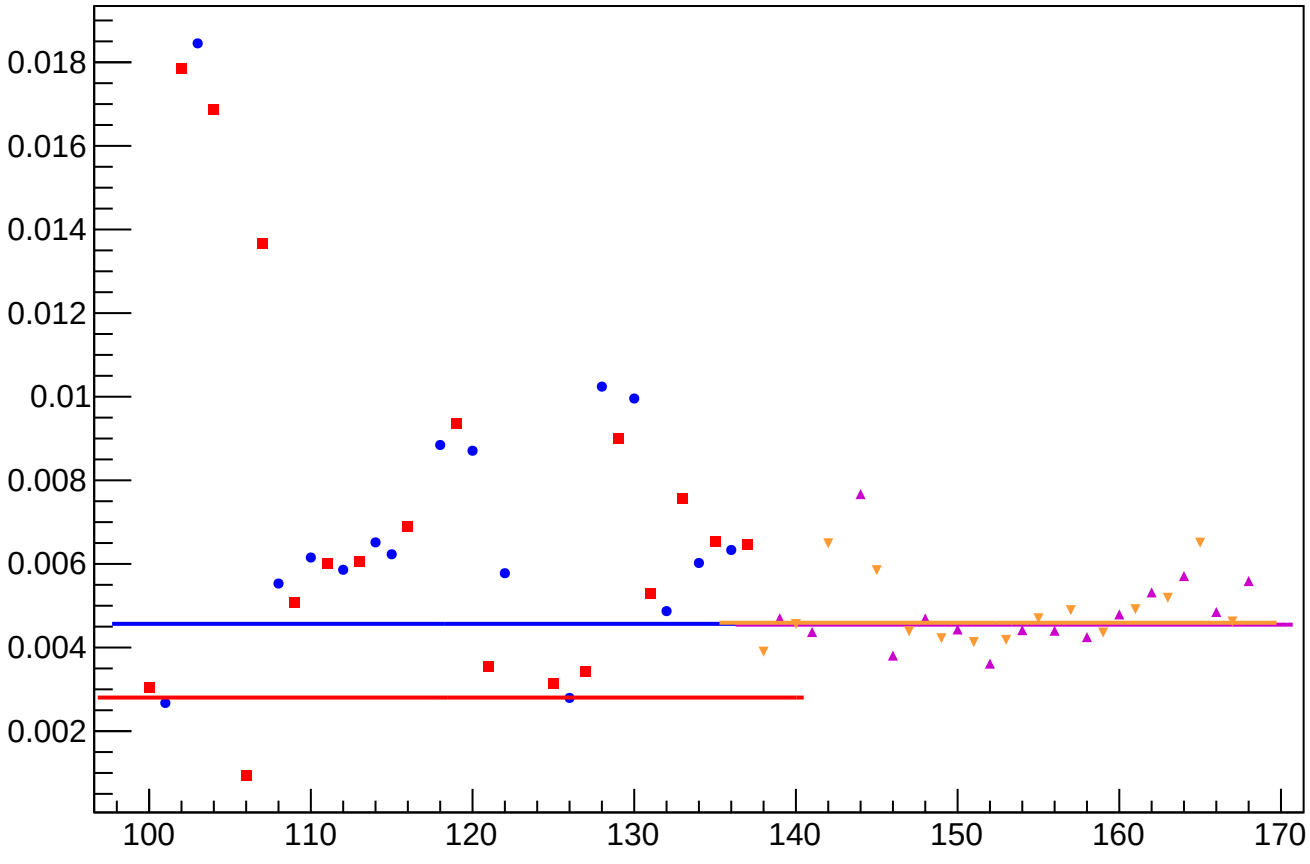
Left In: 99.779+/-0.022 χ^2/NDF:1136187.4/14

+ sign 100.769+/-0.018 χ^2/NDF: 3385345.2/30

All: 100.709+/-0.013 χ^2/NDF: 7353842.3/63

- sign 100.650+/-0.018 χ^2/NDF: 3968475.7/32


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:29.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/17
Left In: -0.000+/-0.000 χ²/NDF:9.5/14
+ sign -0.000+/-0.000 χ²/NDF: 50.0/30
All: -0.000+/-0.000 χ²/NDF: 80.5/63
- sign -0.000+/-0.000 χ²/NDF: 26.7/32



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:377559.2/14

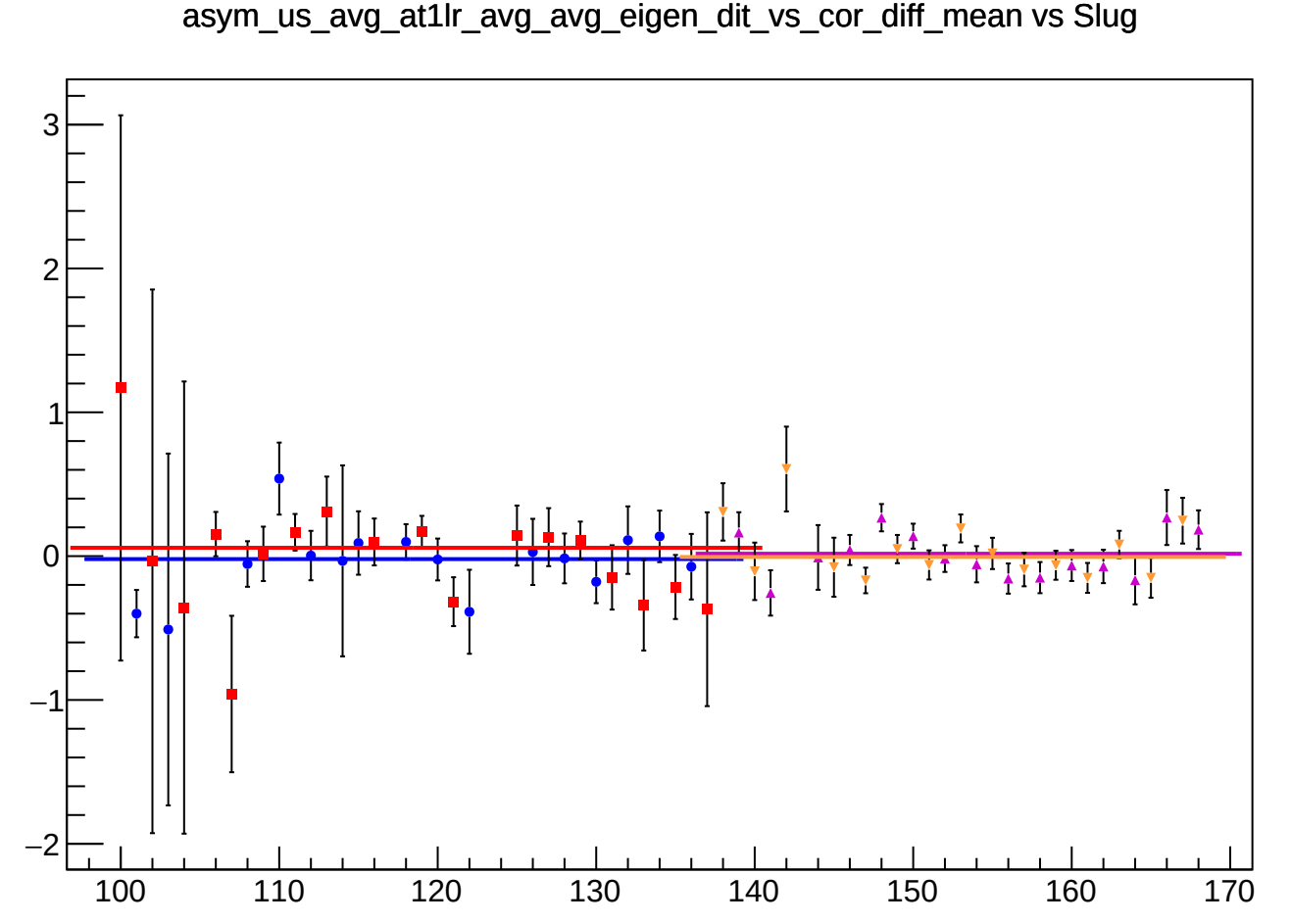
Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.005+/-0.000 χ^2/NDF:641655.5/14

+ sign 0.005+/-0.000 χ^2/NDF: 3390067.5/30

All: 0.004+/-0.000 χ^2/NDF: 12787270.2/63

- sign 0.004+/-0.000 χ^2/NDF: 8807188.3/32



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.006+/-0.031 χ^2/NDF:22.6/14

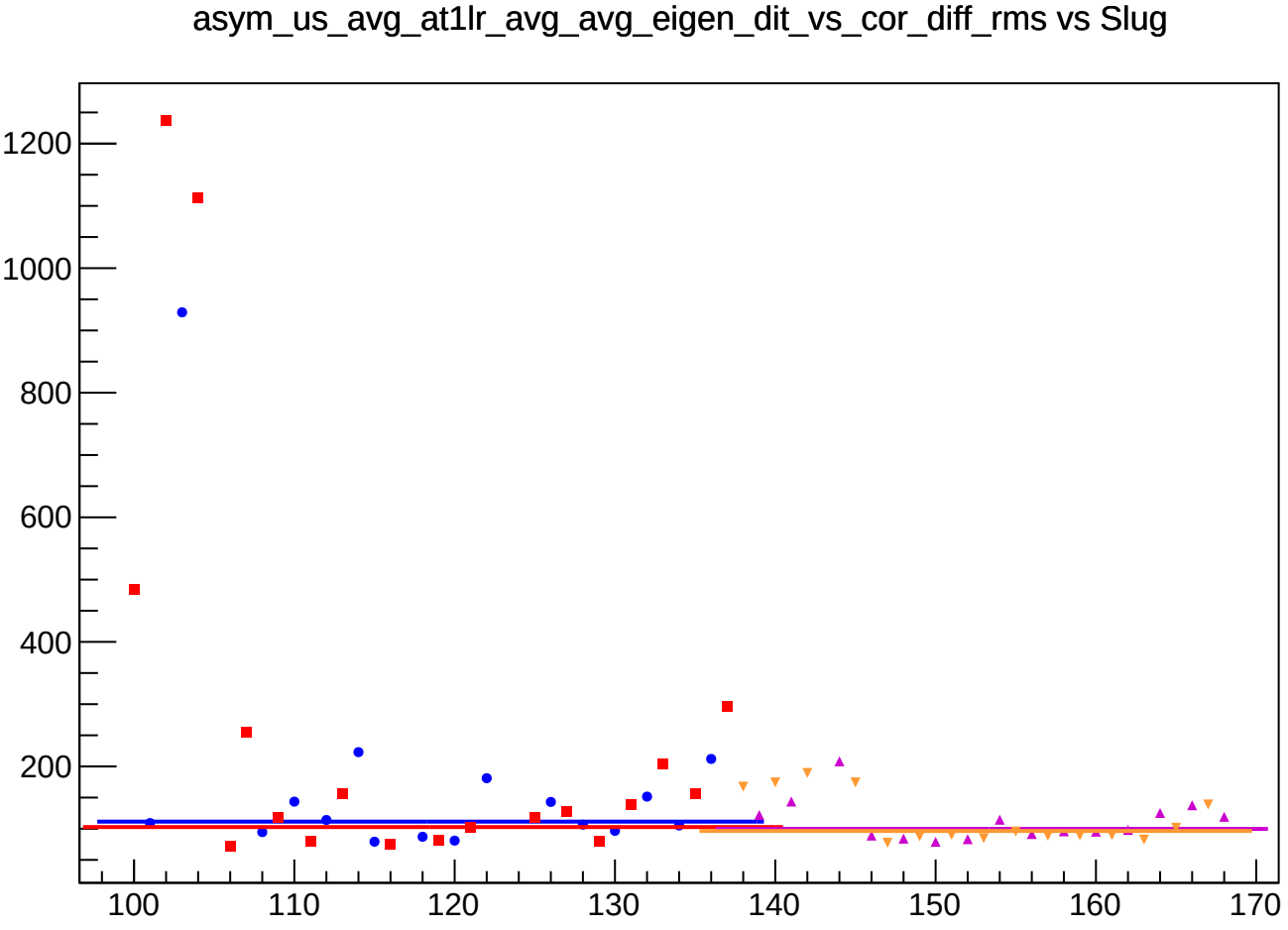
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.017+/-0.030 χ^2/NDF:24.3/14

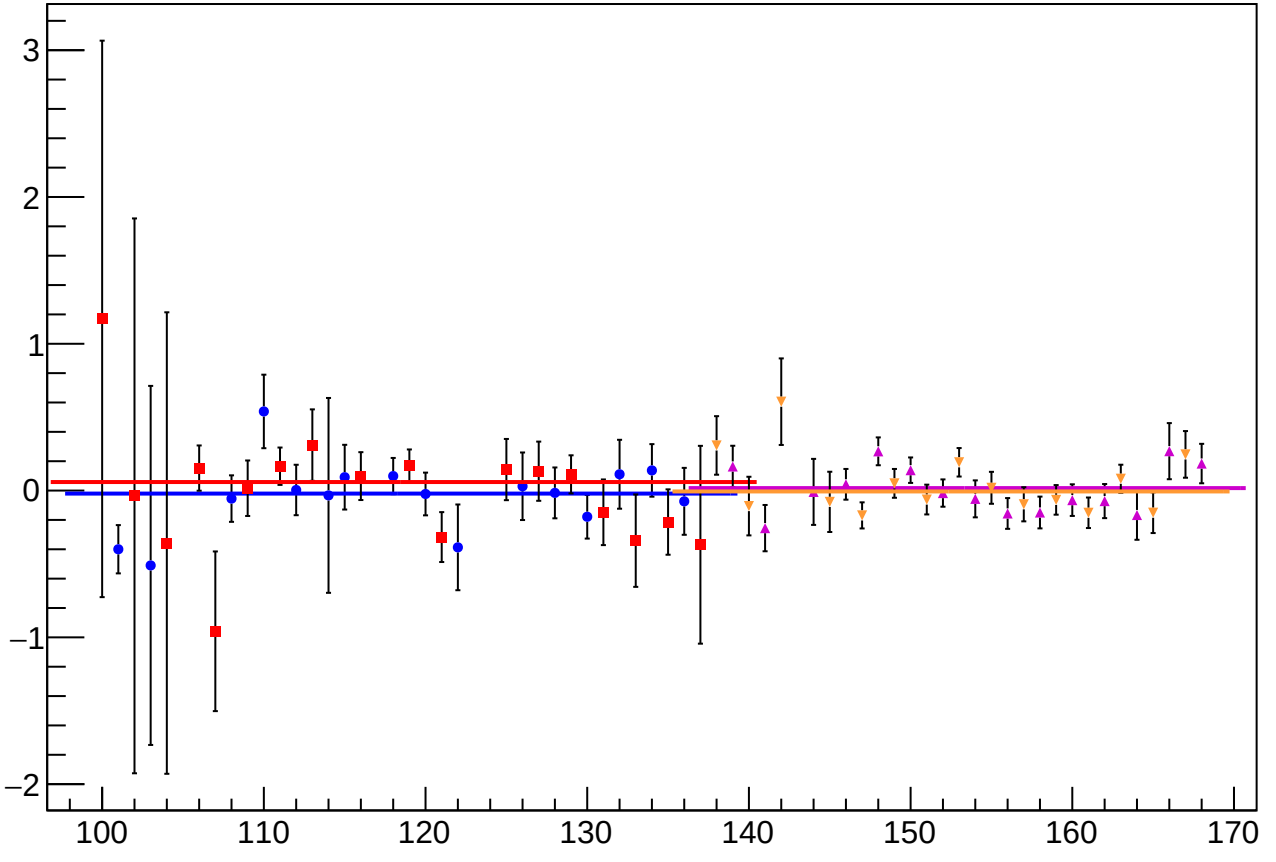
+ sign -0.010+/-0.026 χ^2/NDF: 38.3/30

All: 0.010+/-0.018 χ^2/NDF: 81.2/63

- sign 0.029+/-0.025 χ^2/NDF: 41.7/32


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: 96.385+/-0.022 χ²/NDF:1405074.8/14
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 99.780+/-0.022 χ²/NDF:1136173.1/14
+ sign 100.768+/-0.018 χ²/NDF: 3385319.8/30
All: 100.709+/-0.013 χ²/NDF: 7353790.8/63
- sign 100.650+/-0.018 χ²/NDF: 3968449.6/32

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: -0.006+/-0.031 χ^2/NDF:22.6/14

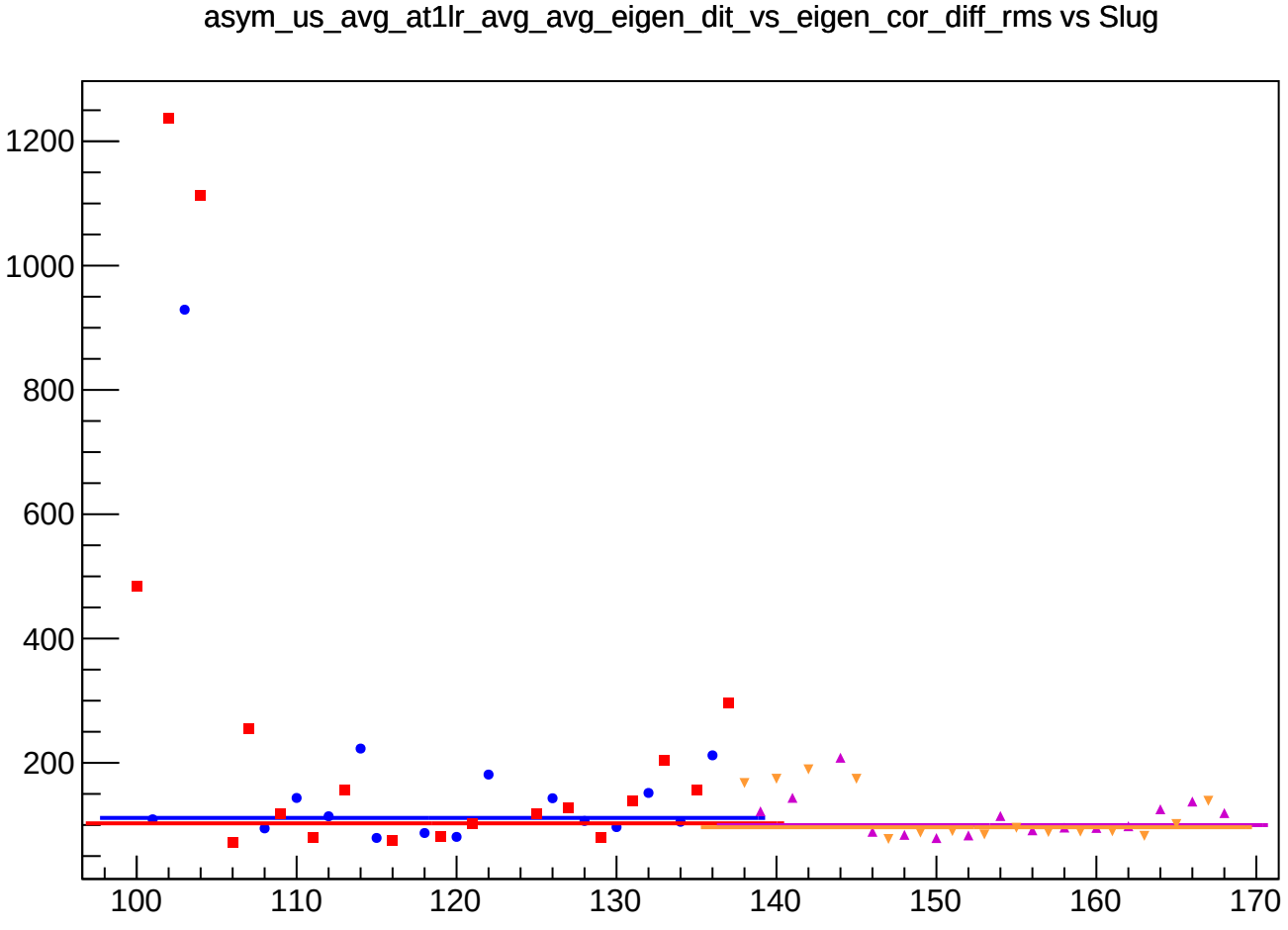
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.017+/-0.030 χ^2/NDF:24.3/14

+ sign -0.010+/-0.026 χ^2/NDF: 38.3/30

All: 0.010+/-0.018 χ^2/NDF: 81.2/63

- sign 0.029+/-0.025 χ^2/NDF: 41.7/32



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 96.385+/-0.022 χ^2/NDF:1405074.8/14

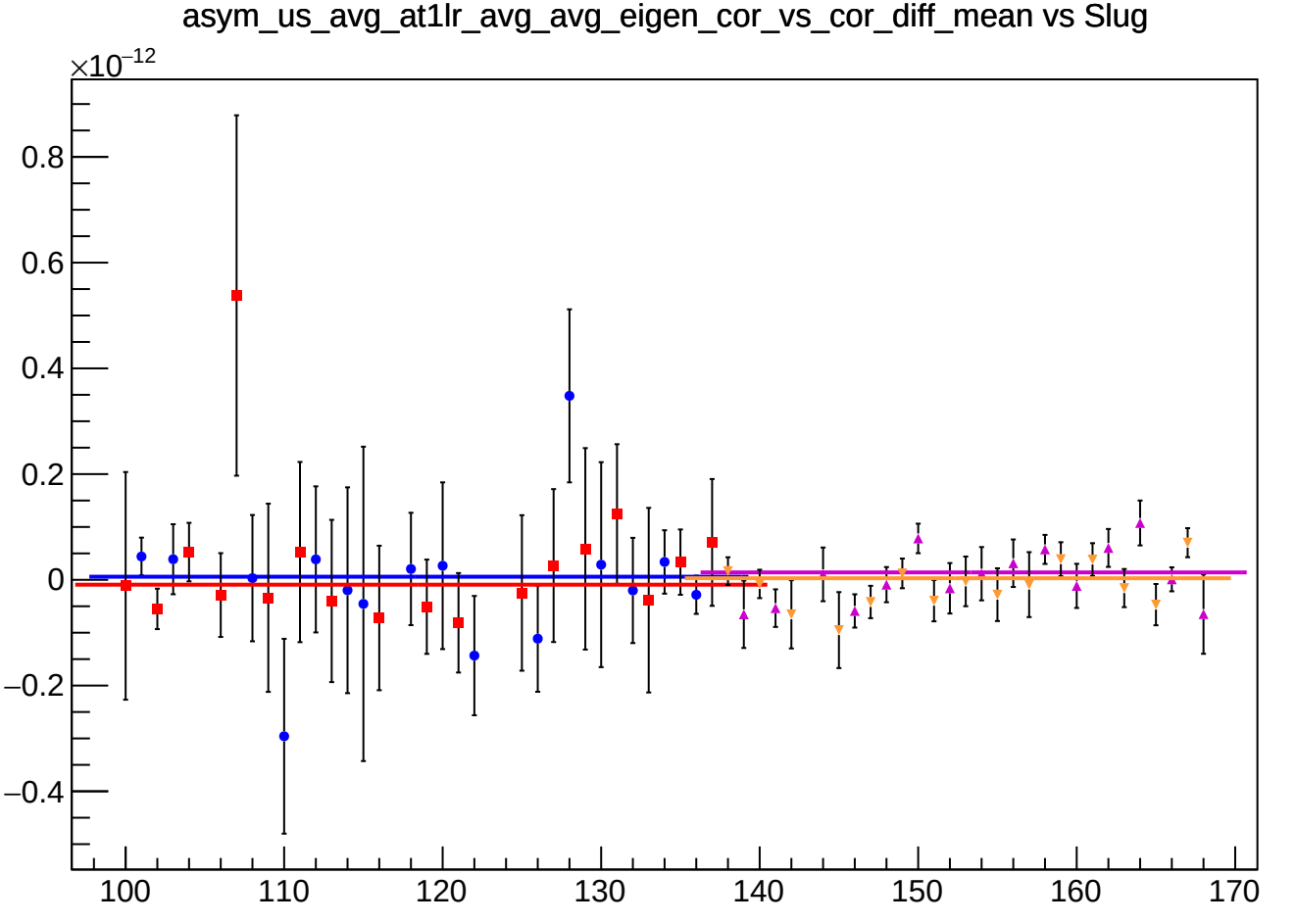
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 99.780+/-0.022 χ^2/NDF:1136173.1/14

+ sign 100.768+/-0.018 χ^2/NDF: 3385319.8/30

All: 100.709+/-0.013 χ^2/NDF: 7353790.8/63

- sign 100.650+/-0.018 χ^2/NDF: 3968449.6/32



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/14

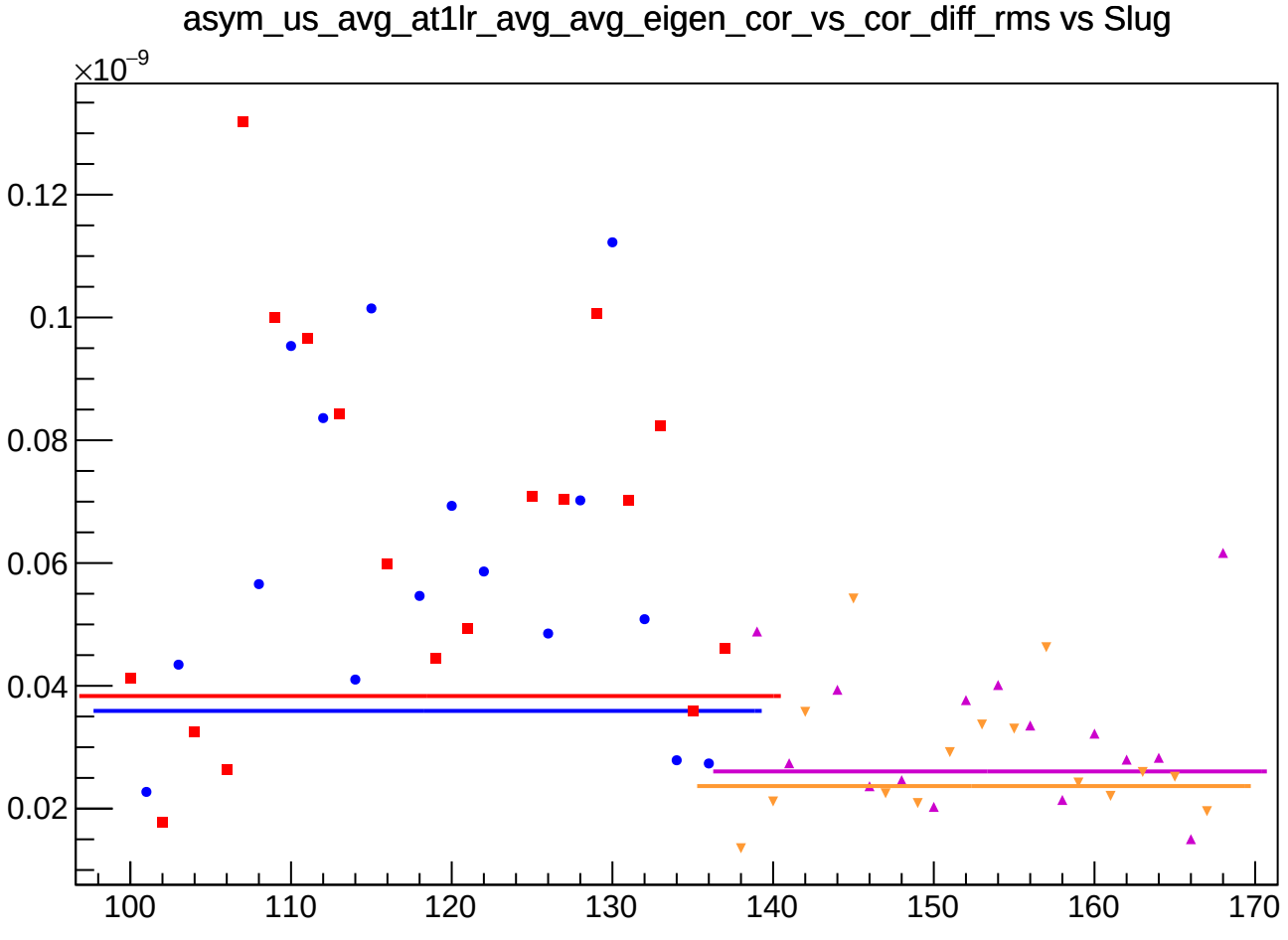
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:27.7/14

+ sign 0.000+/-0.000 χ^2/NDF: 30.6/30

All: 0.000+/-0.000 χ^2/NDF: 68.3/63

- sign 0.000+/-0.000 χ^2/NDF: 37.3/32



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1303292.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

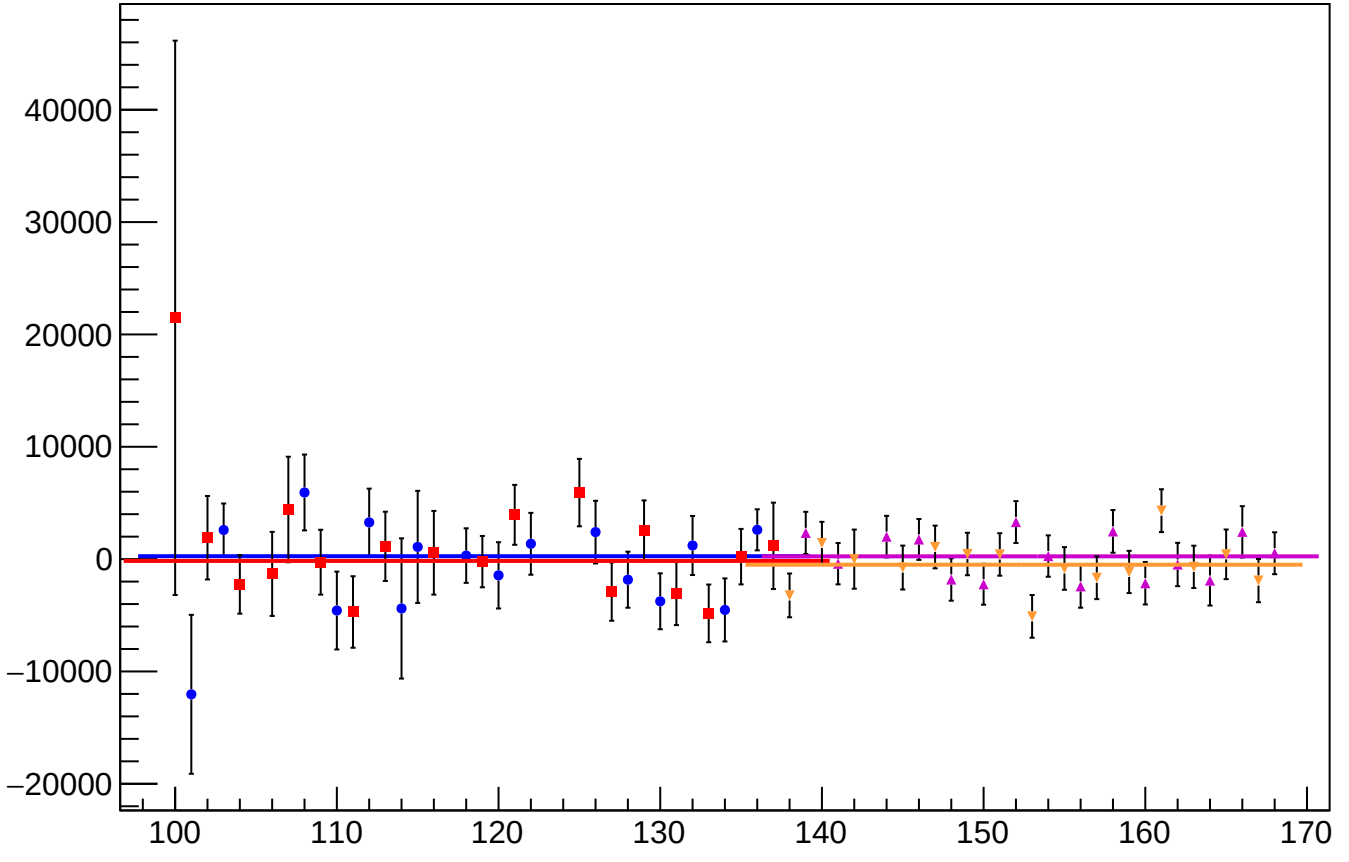
Left In: 0.000+/-0.000 χ^2/NDF:1860977.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 3728122.7/30

All: 0.000+/-0.000 χ^2/NDF: 8396673.3/63

- sign 0.000+/-0.000 χ^2/NDF: 4606090.0/32

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -498.381+/-504.304 χ^2/NDF:17.7/14

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

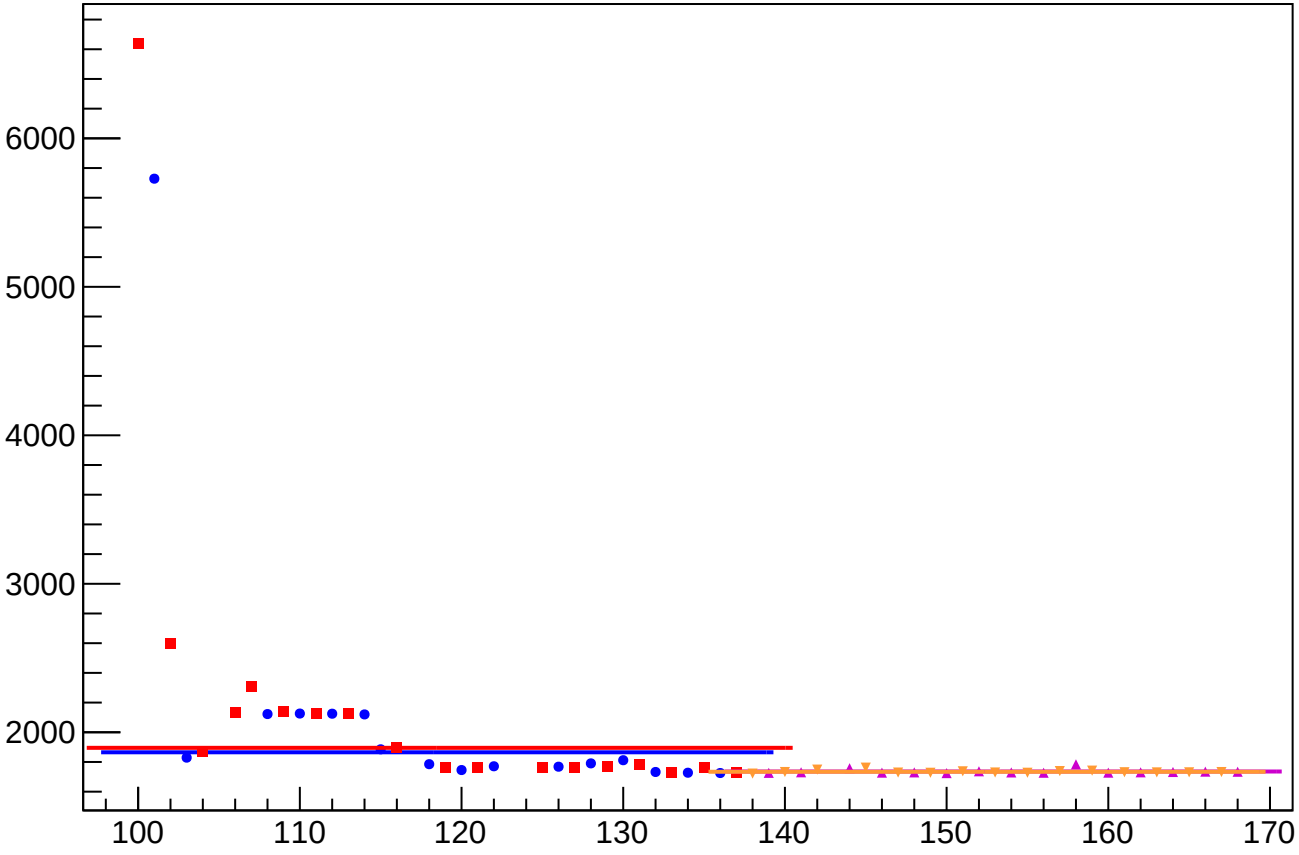
Left In: 246.521+/-492.697 χ^2/NDF:15.6/14

+ sign -244.097+/-411.087 χ^2/NDF: 37.9/30

All: -61.869+/-288.582 χ^2/NDF: 72.2/63

- sign 115.185+/-405.210 χ^2/NDF: 33.9/32

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.053+/-0.357 χ^2/NDF:697.4/14

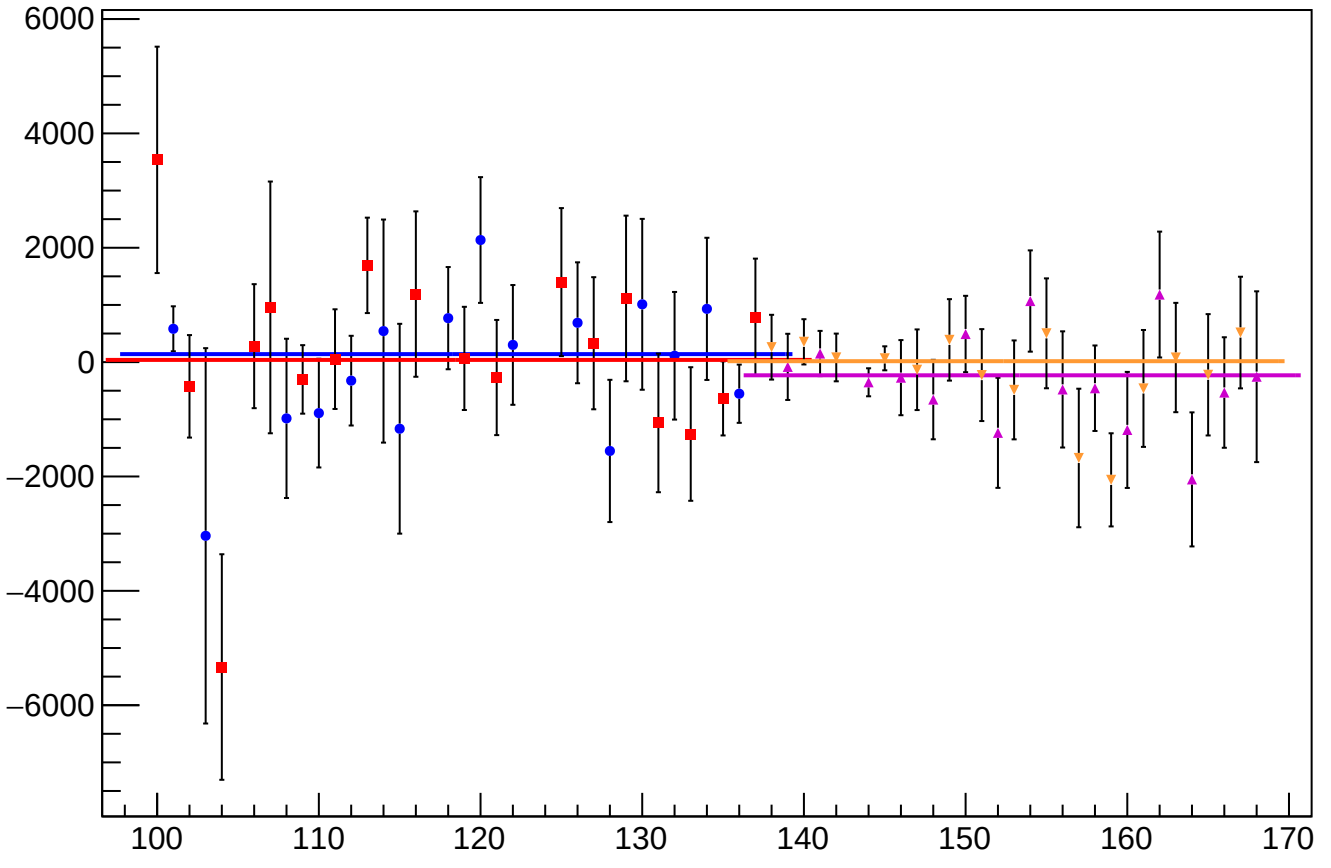
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1735.822+/-0.348 χ^2/NDF:1887.5/14

+ sign 1778.046+/-0.291 χ^2/NDF: 718783.0/30

All: 1782.797+/-0.204 χ^2/NDF: 1039770.5/63

- sign 1787.414+/-0.287 χ^2/NDF: 320460.7/32



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 16.305+/-138.583 χ^2/NDF:11.0/14

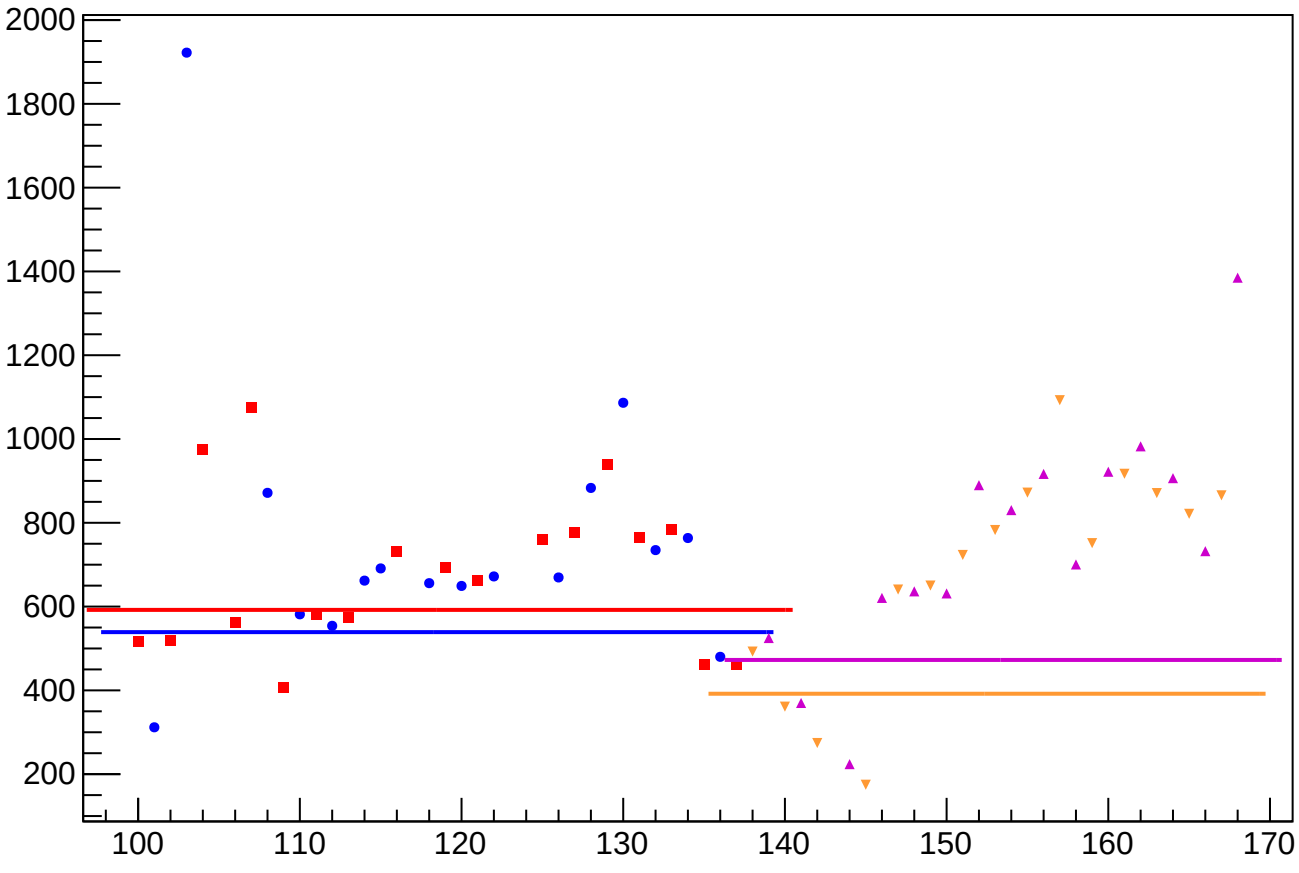
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -230.576+/-154.623 χ^2/NDF:11.2/14

+ sign 51.364+/-117.273 χ^2/NDF: 24.7/30

All: -39.566+/-86.988 χ^2/NDF: 59.5/63

- sign -150.794+/-129.703 χ^2/NDF: 33.5/32



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 391.955+/-0.098 χ^2/NDF:7021061.8/14

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

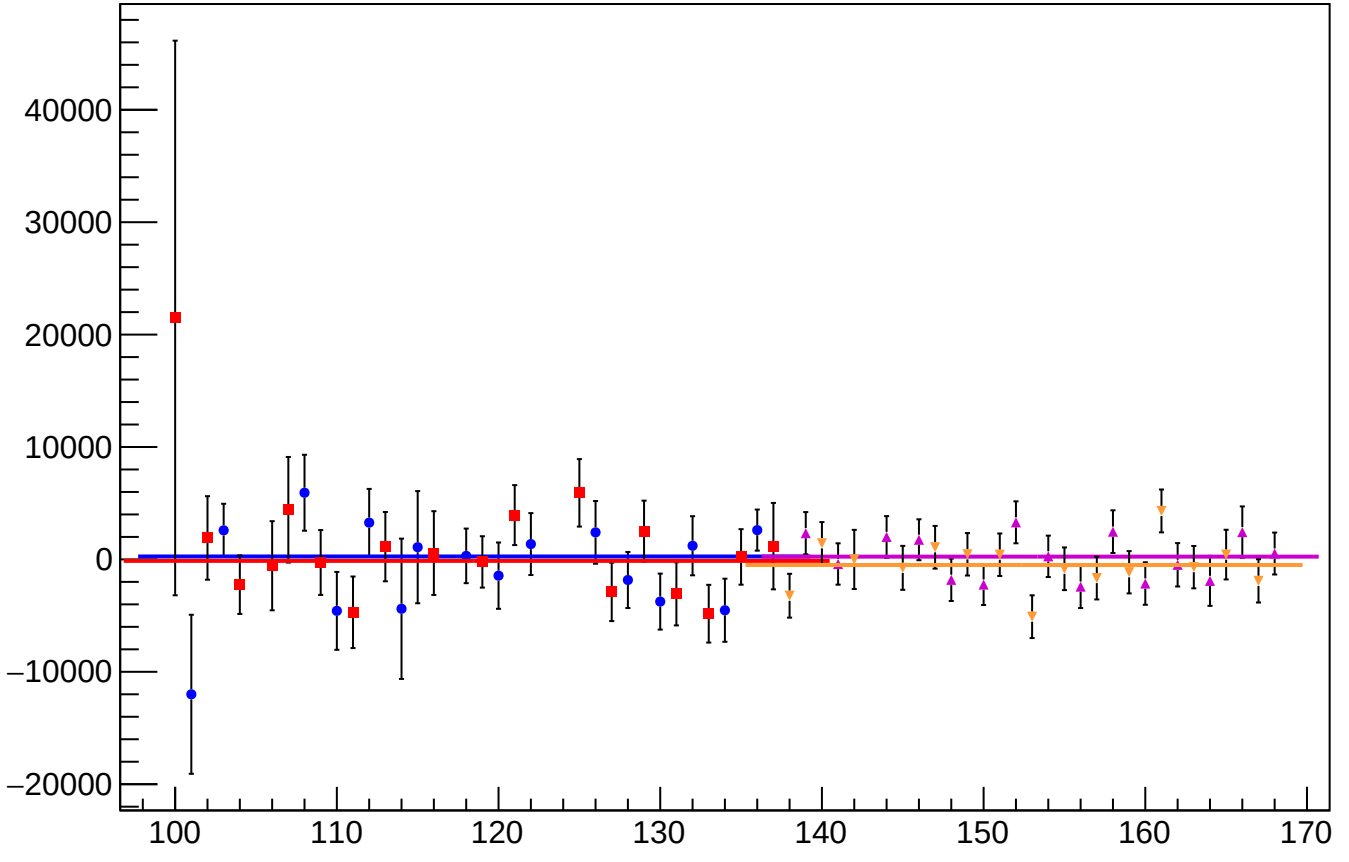
Left In: 472.620+/-0.109 χ^2/NDF:5793398.9/14

+ sign 433.704+/-0.083 χ^2/NDF: 9515027.9/30

All: 467.136+/-0.062 χ^2/NDF: 16866756.8/63

- sign 508.030+/-0.092 χ^2/NDF: 6990379.3/32

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -498.372+/-504.304 χ^2/NDF:17.7/14

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

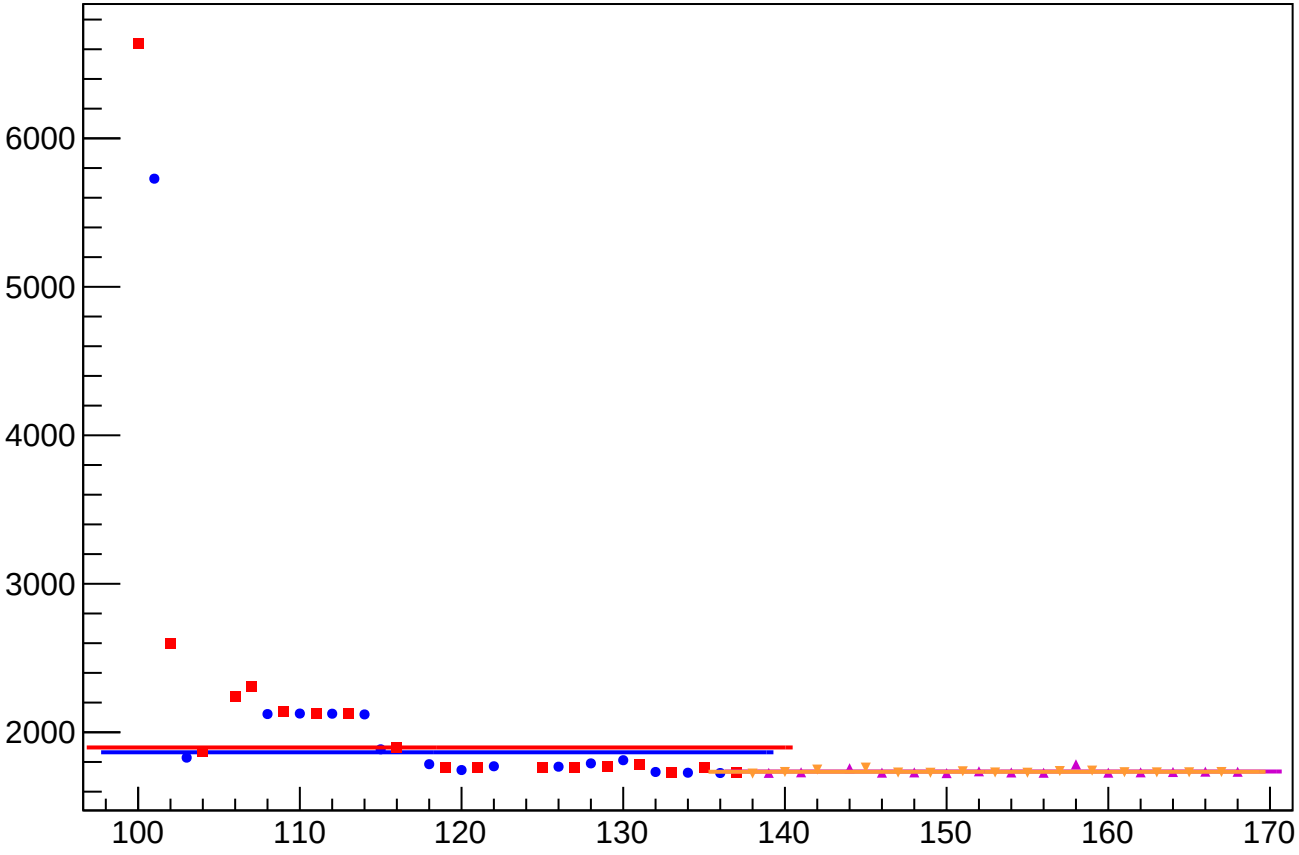
Left In: 246.530+/-492.697 χ^2/NDF:15.6/14

+ sign -244.028+/-411.087 χ^2/NDF: 37.9/30

All: -56.979+/-288.675 χ^2/NDF: 72.1/63

- sign 124.993+/-405.469 χ^2/NDF: 33.8/32

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.053+/-0.357 χ^2/NDF:697.4/14

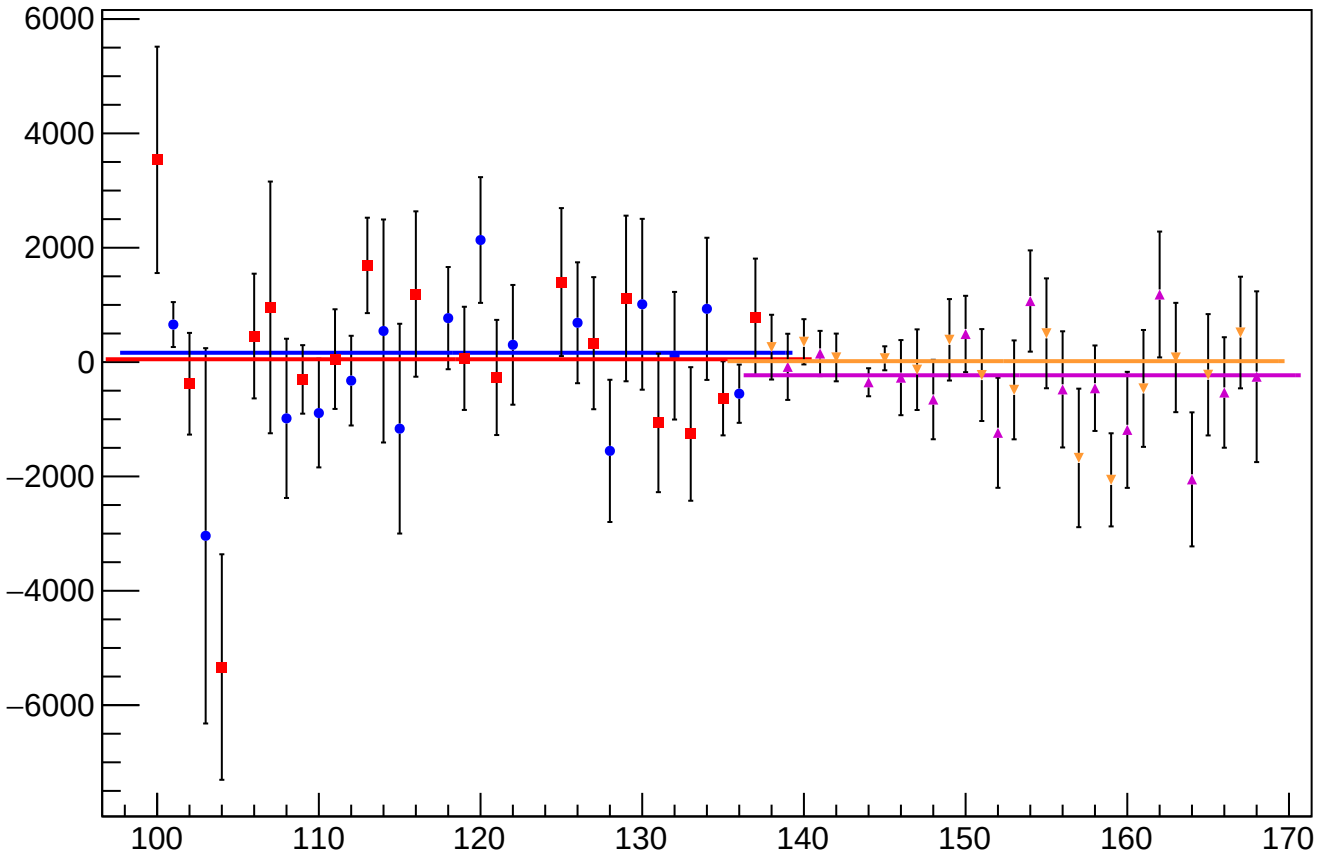
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1735.822+/-0.348 χ^2/NDF:1887.5/14

+ sign 1778.046+/-0.291 χ^2/NDF: 718782.8/30

All: 1783.125+/-0.204 χ^2/NDF: 1048687.0/63

- sign 1788.067+/-0.287 χ^2/NDF: 329301.7/32



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 16.154+/-138.585 χ^2/NDF:11.0/14

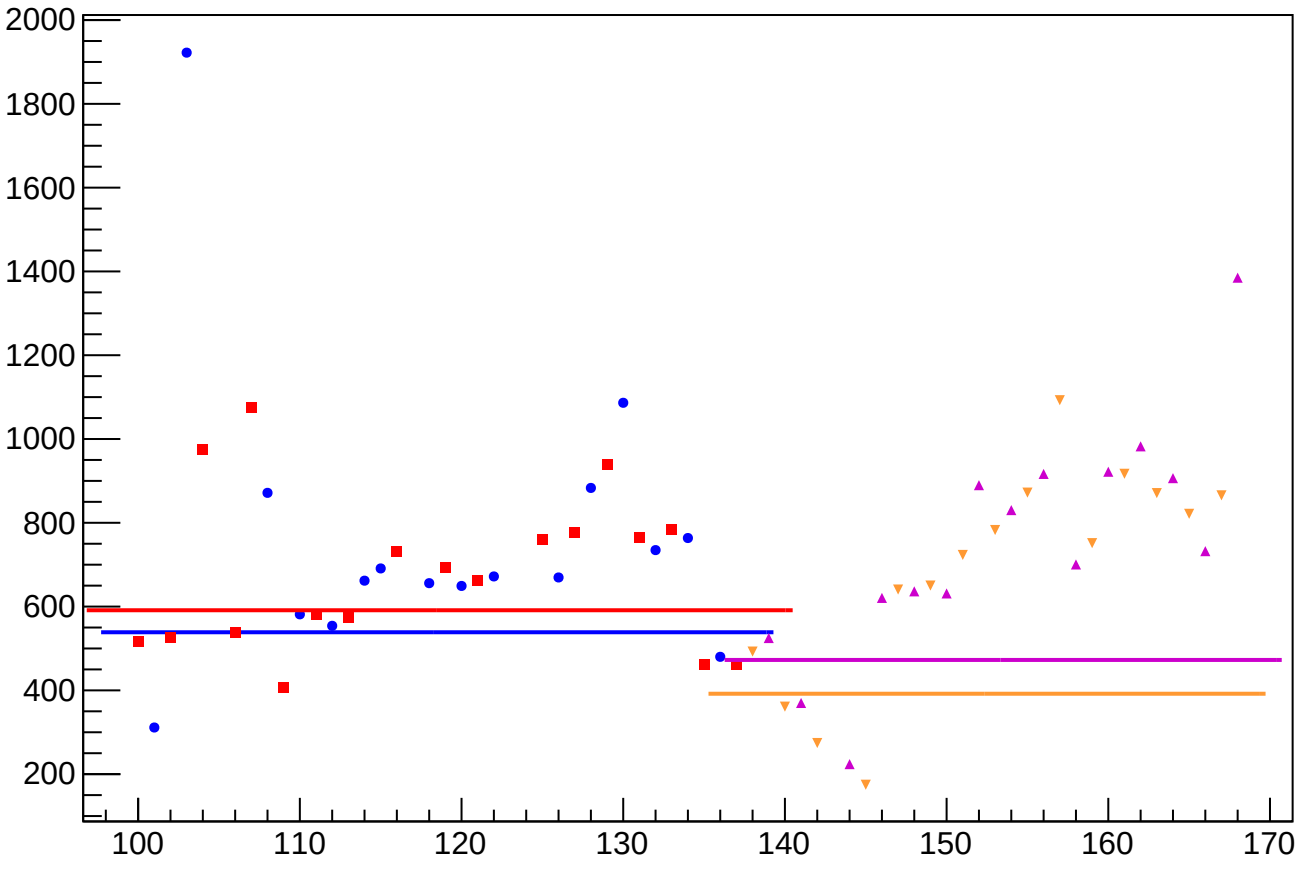
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -230.571+/-154.624 χ^2/NDF:11.2/14

+ sign 57.906+/-117.263 χ^2/NDF: 25.2/30

All: -34.486+/-86.981 χ^2/NDF: 60.2/63

- sign -147.506+/-129.694 χ^2/NDF: 33.6/32



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 391.964+/-0.098 χ^2/NDF:7020821.2/14

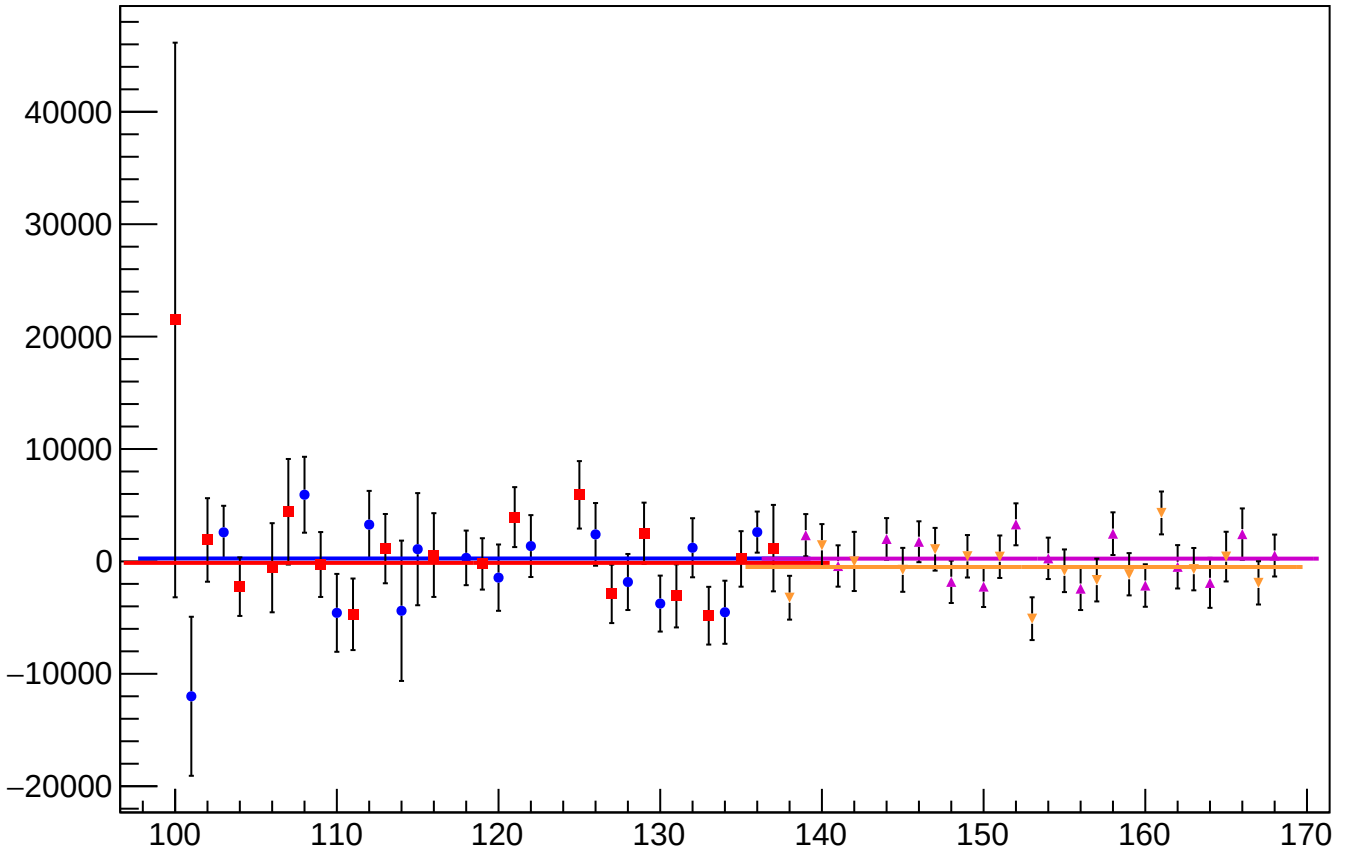
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 472.629+/-0.109 χ^2/NDF:5793041.1/14

+ sign 433.644+/-0.083 χ^2/NDF: 9516614.5/30

All: 466.995+/-0.062 χ^2/NDF: 16862785.3/63

- sign 507.793+/-0.092 χ^2/NDF: 6986481.6/32



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -498.372+/-504.304 χ^2/NDF:17.7/14

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

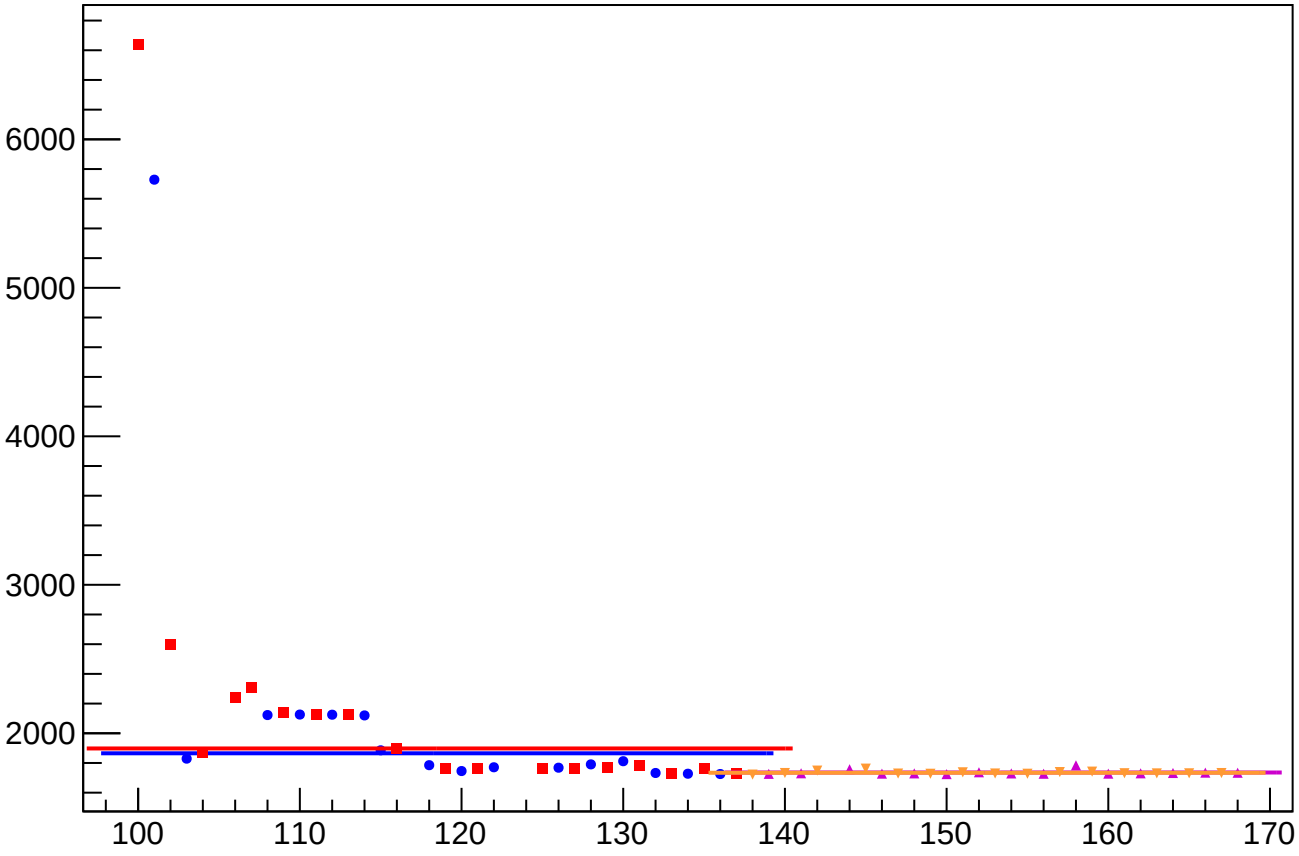
Left In: 246.530+/-492.697 χ^2/NDF:15.6/14

+ sign -244.028+/-411.087 χ^2/NDF: 37.9/30

All: -56.979+/-288.675 χ^2/NDF: 72.1/63

- sign 124.993+/-405.469 χ^2/NDF: 33.8/32

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.053+/-0.357 χ^2/NDF:697.4/14

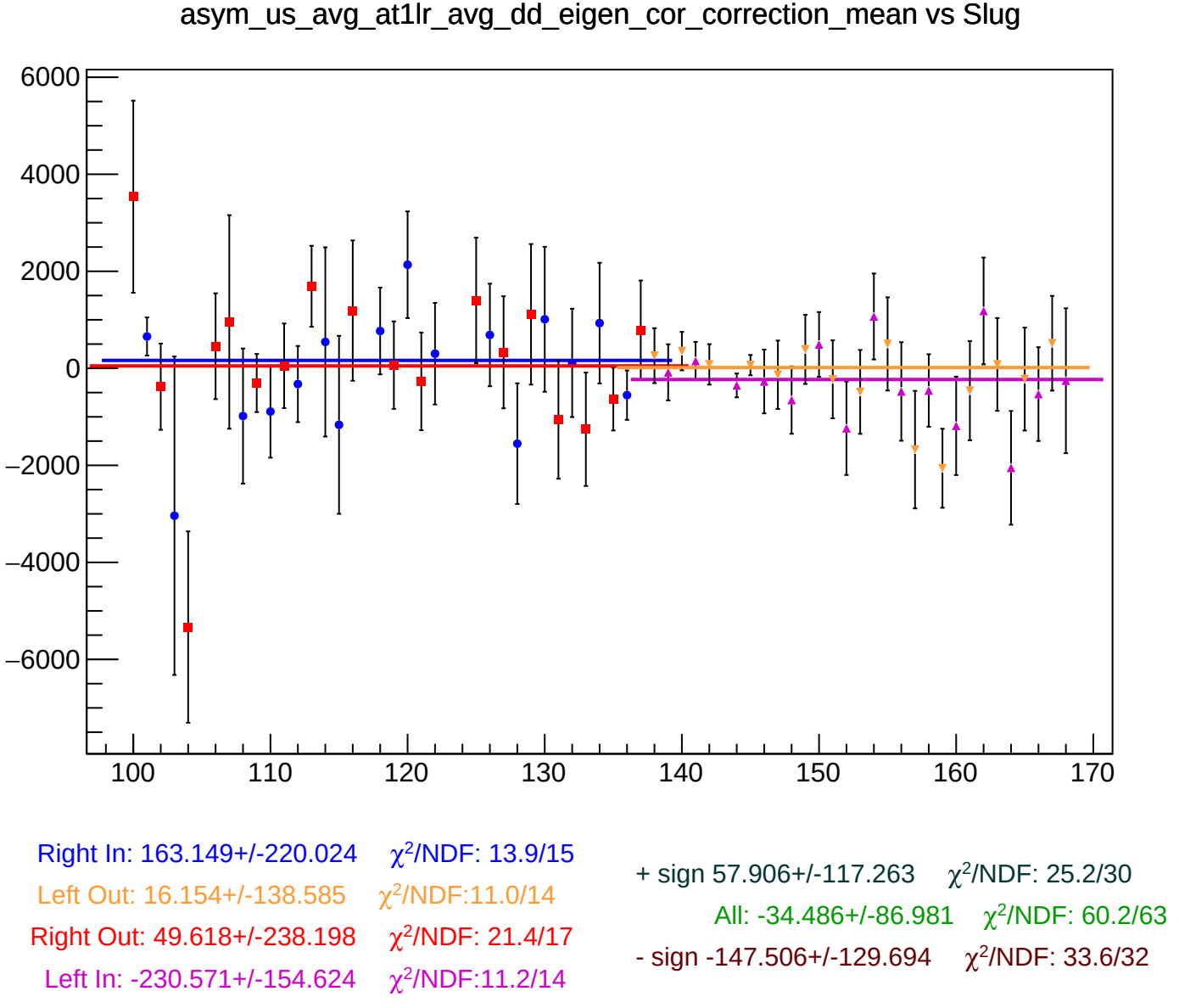
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

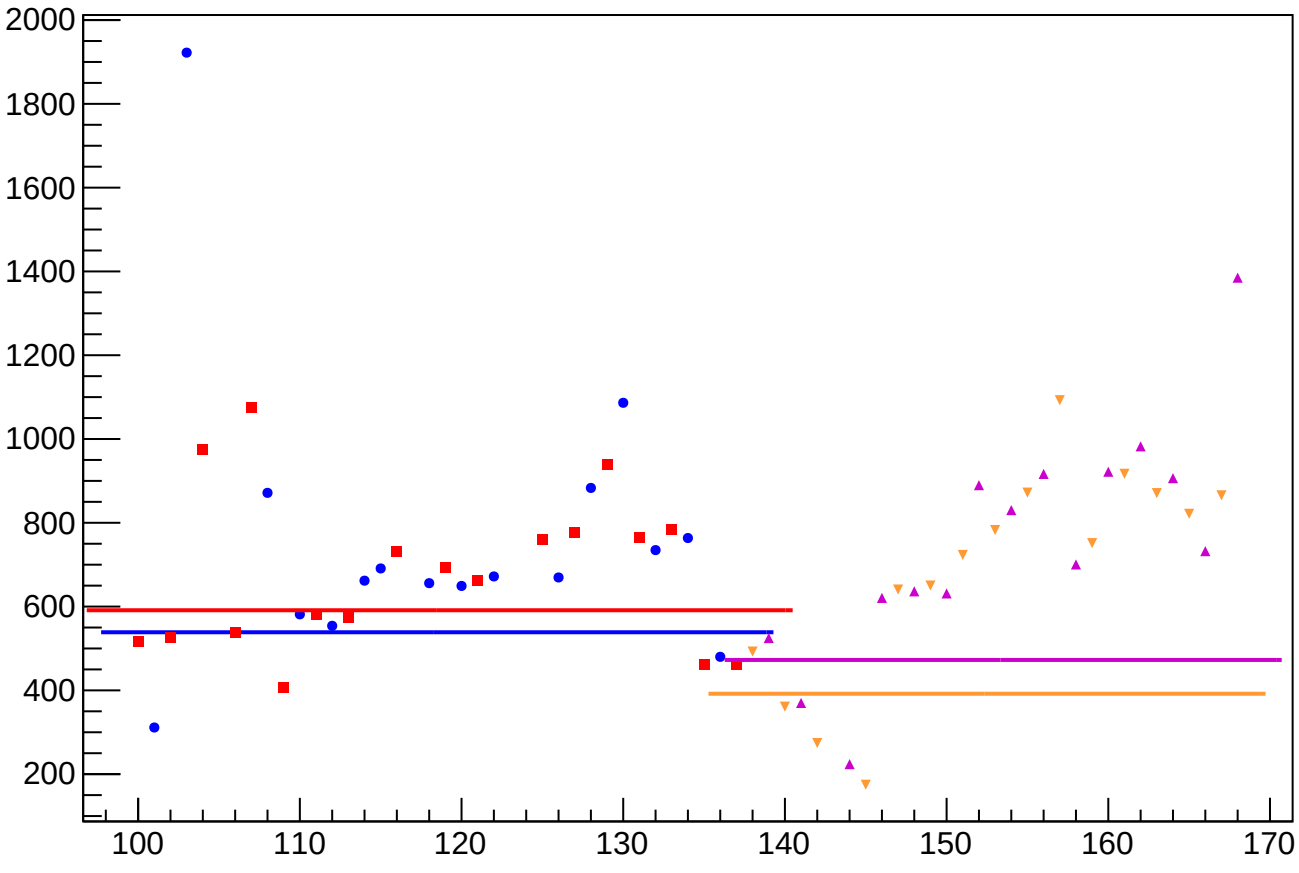
Left In: 1735.822+/-0.348 χ^2/NDF:1887.5/14

+ sign 1778.046+/-0.291 χ^2/NDF: 718782.8/30

All: 1783.125+/-0.204 χ^2/NDF: 1048687.0/63

- sign 1788.067+/-0.287 χ^2/NDF: 329301.7/32


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: 163.149+/-220.024 χ²/NDF: 13.9/15
Left Out: 16.154+/-138.585 χ²/NDF:11.0/14
Right Out: 49.618+/-238.198 χ²/NDF: 21.4/17
Left In: -230.571+/-154.624 χ²/NDF:11.2/14
+ sign 57.906+/-117.263 χ²/NDF: 25.2/30
All: -34.486+/-86.981 χ²/NDF: 60.2/63
- sign -147.506+/-129.694 χ²/NDF: 33.6/32



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 391.964+/-0.098 χ^2/NDF:7020821.2/14

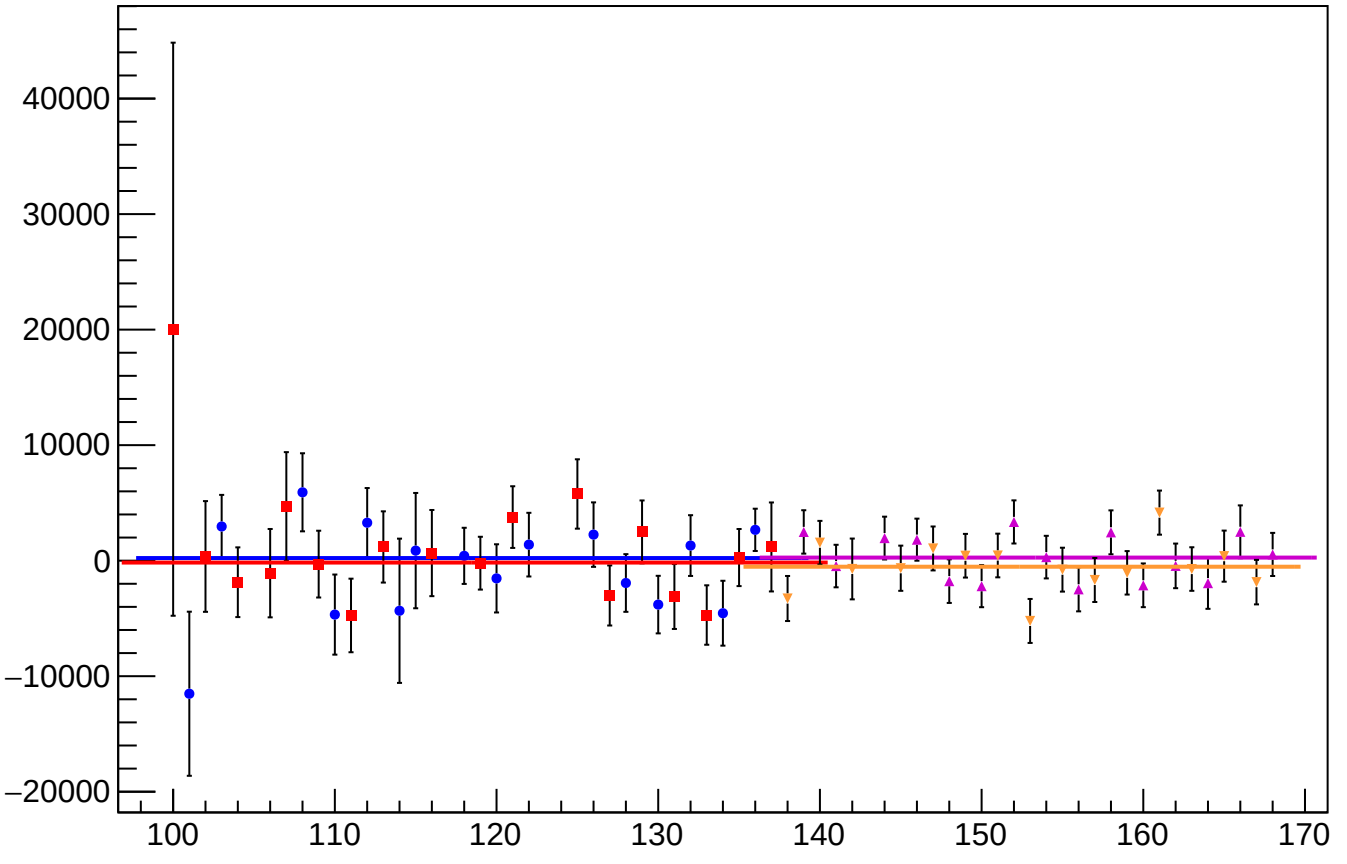
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 472.629+/-0.109 χ^2/NDF:5793041.1/14

+ sign 433.644+/-0.083 χ^2/NDF: 9516614.5/30

All: 466.995+/-0.062 χ^2/NDF: 16862785.3/63

- sign 507.793+/-0.092 χ^2/NDF: 6986481.6/32



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -524.129+/-504.652 χ^2/NDF:17.6/14

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

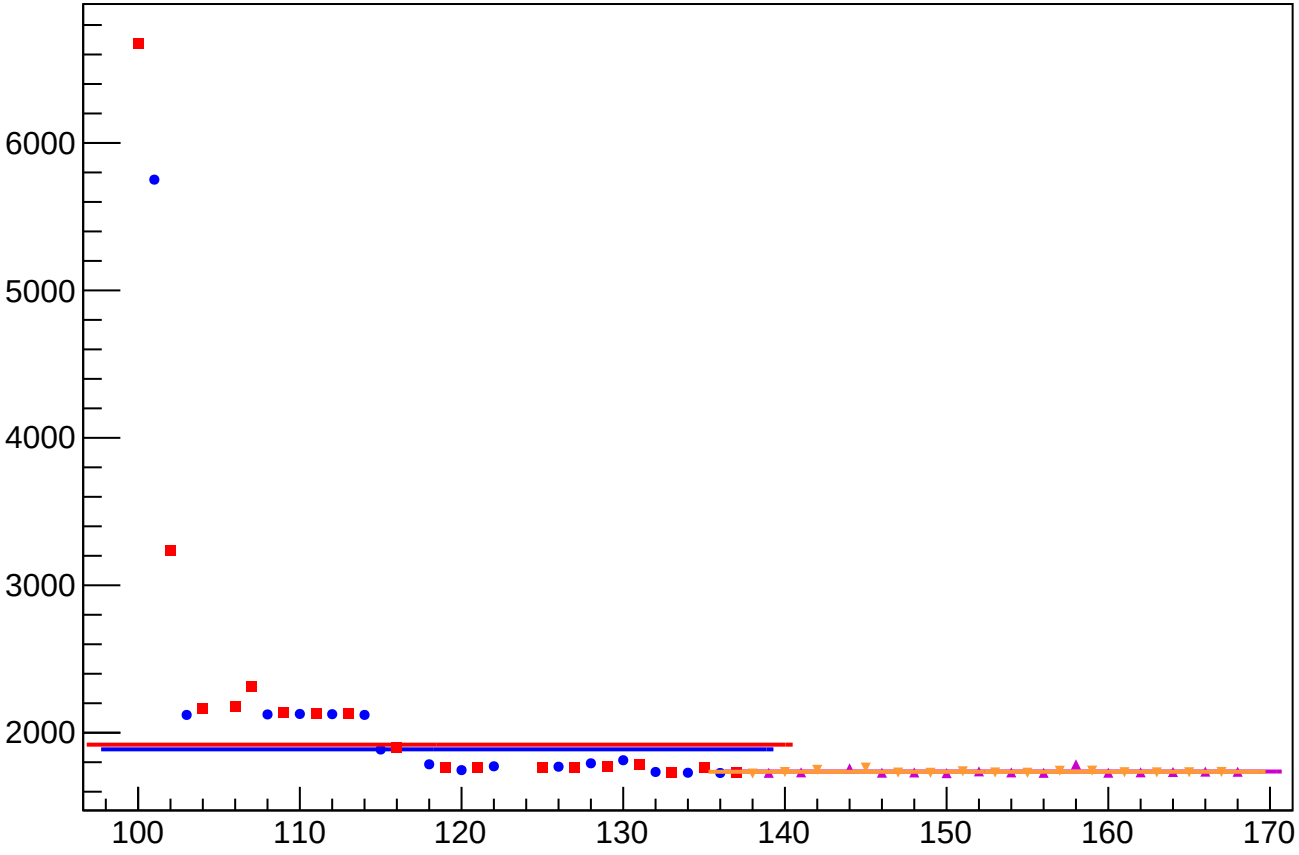
Left In: 266.502+/-493.019 χ^2/NDF:16.0/14

+ sign -276.273+/-412.978 χ^2/NDF: 37.8/30

All: -70.248+/-290.181 χ^2/NDF: 71.5/63

- sign 130.669+/-407.827 χ^2/NDF: 33.2/32

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1735.248+/-0.357 χ^2/NDF:701.8/14

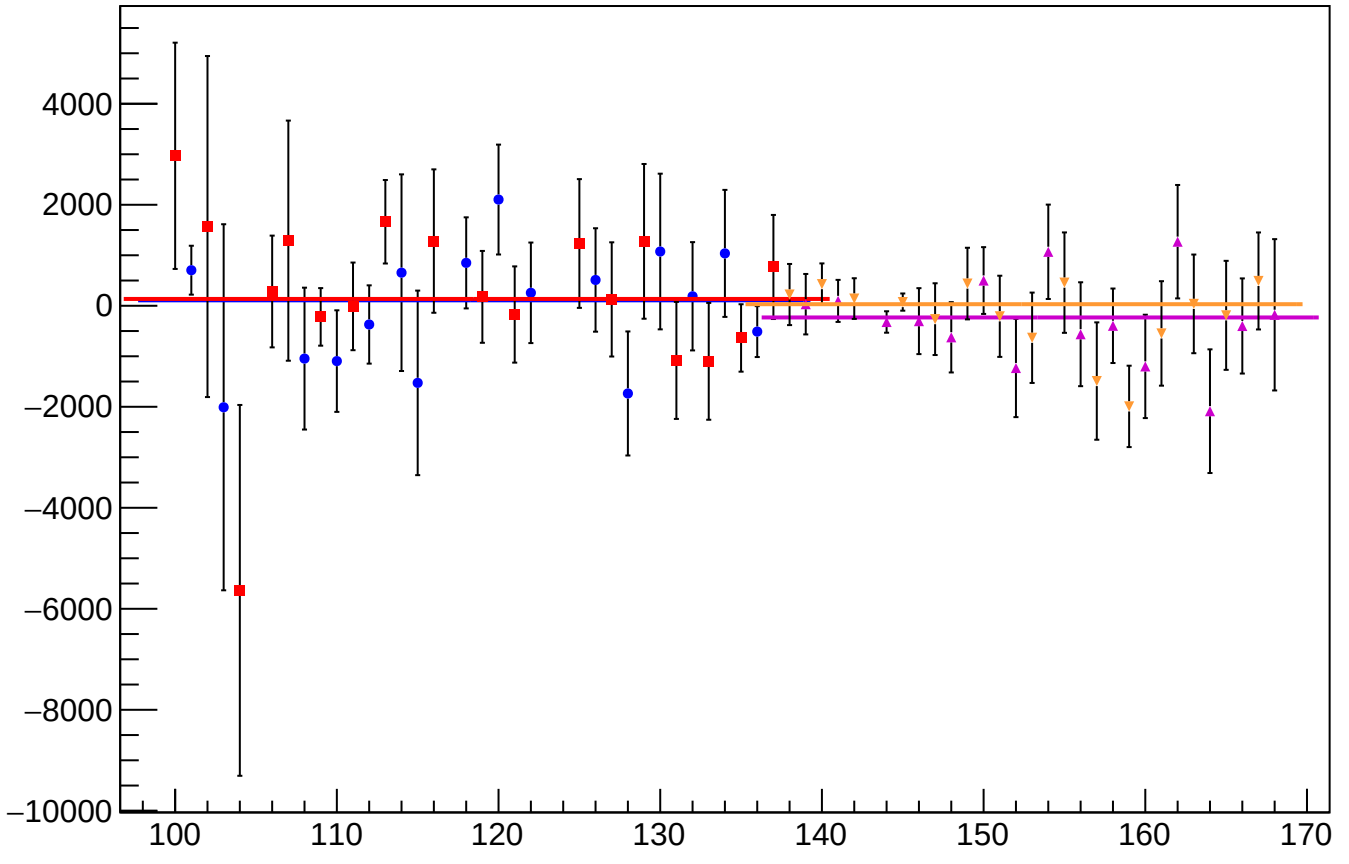
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1736.955+/-0.349 χ^2/NDF:1885.8/14

+ sign 1785.477+/-0.292 χ^2/NDF: 750126.4/30

All: 1790.037+/-0.205 χ^2/NDF: 1191312.2/63

- sign 1794.485+/-0.288 χ^2/NDF: 440704.0/32



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 31.317+/-125.691 χ^2/NDF:11.1/14

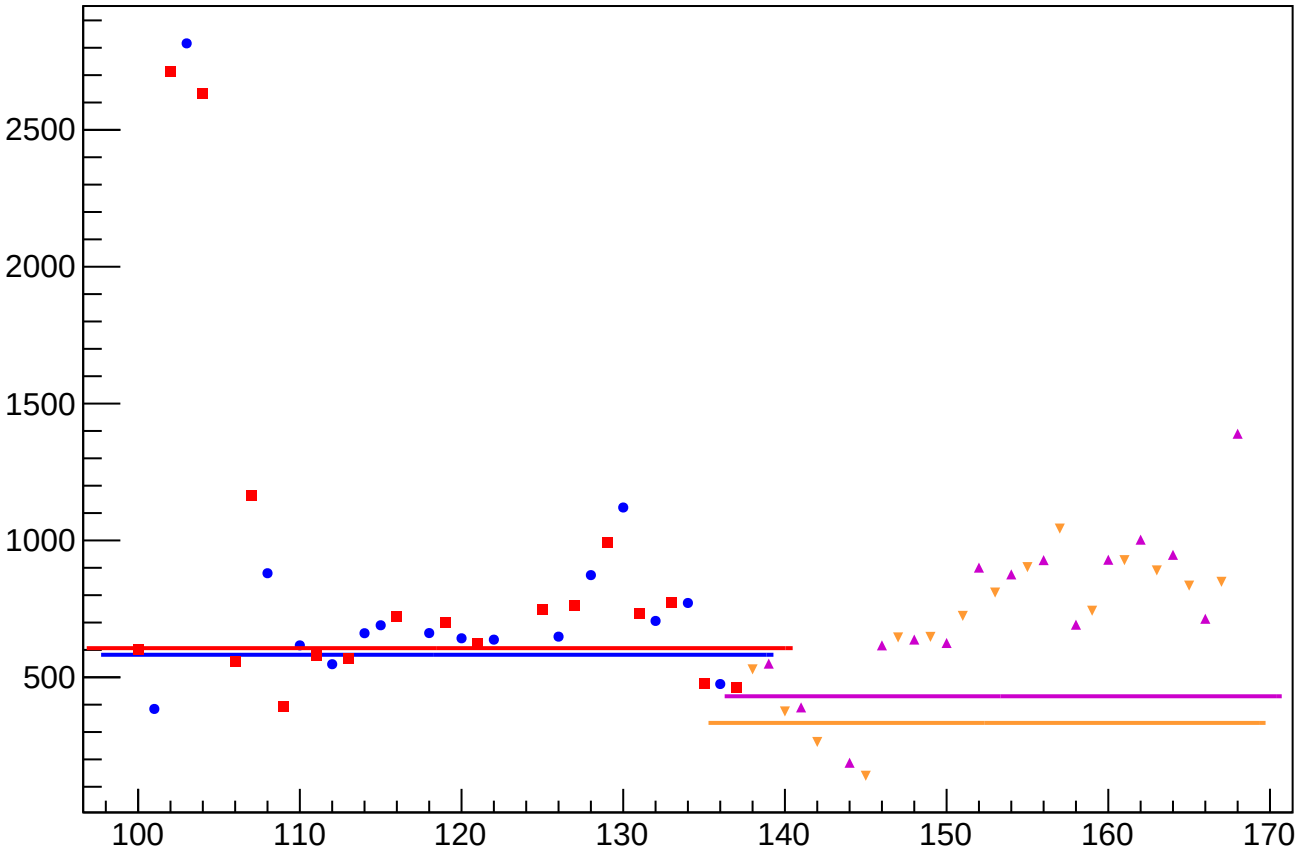
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -231.319+/-146.770 χ^2/NDF:10.7/14

+ sign 48.781+/-110.483 χ^2/NDF: 25.4/30

All: -31.088+/-83.080 χ^2/NDF: 53.3/63

- sign -135.021+/-126.033 χ^2/NDF: 26.7/32



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 333.344+/-0.089 χ^2/NDF:8918901.1/14

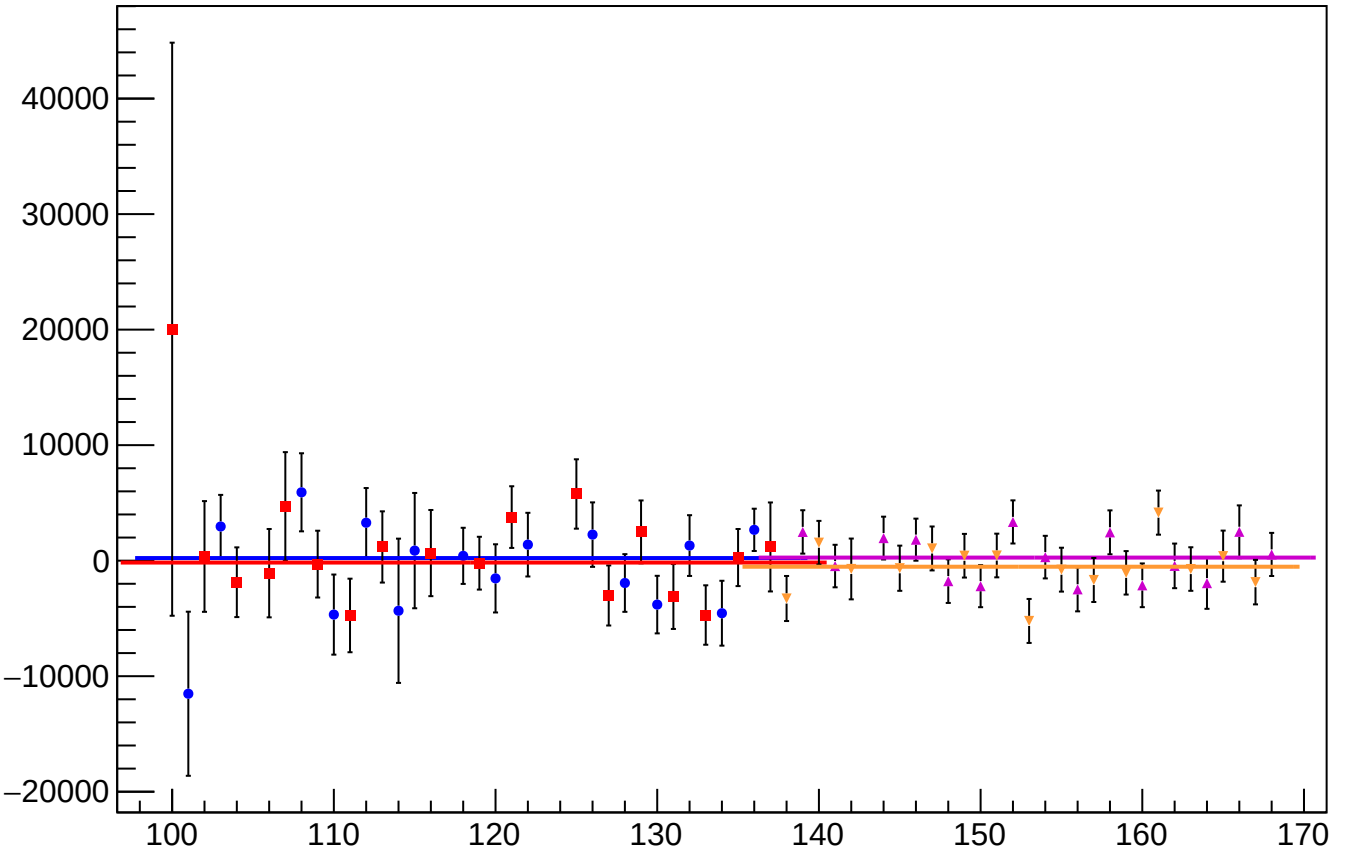
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 430.642+/-0.104 χ^2/NDF:7221155.0/14

+ sign 389.938+/-0.078 χ^2/NDF: 12456645.4/30

All: 427.688+/-0.059 χ^2/NDF: 23167198.0/63

- sign 476.813+/-0.089 χ^2/NDF: 10173200.2/32



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -524.133+/-504.652 χ^2/NDF:17.6/14

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

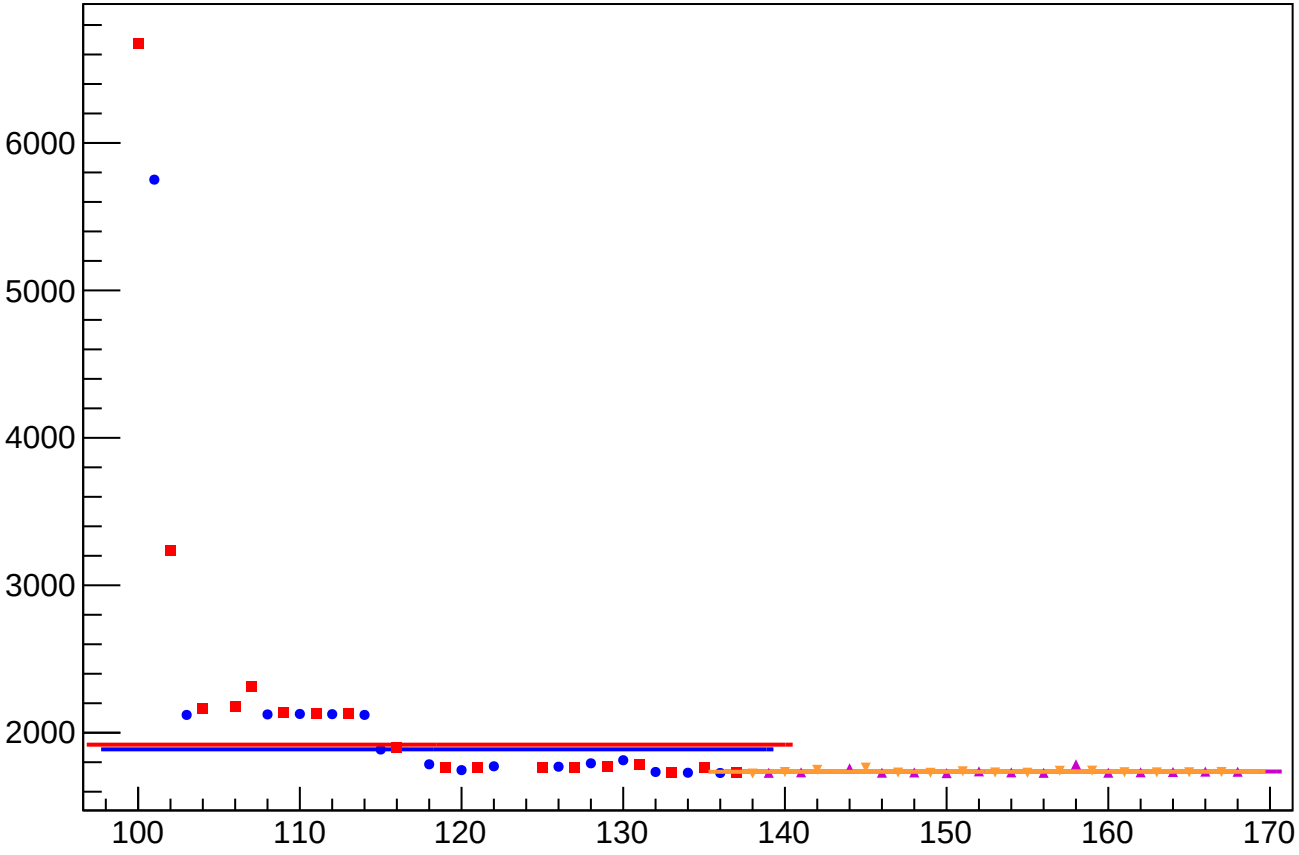
Left In: 266.500+/-493.019 χ^2/NDF:16.0/14

+ sign -276.276+/-412.978 χ^2/NDF: 37.8/30

All: -70.250+/-290.181 χ^2/NDF: 71.5/63

- sign 130.668+/-407.827 χ^2/NDF: 33.2/32

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: 1735.248+/-0.357 χ^2/NDF:701.8/14

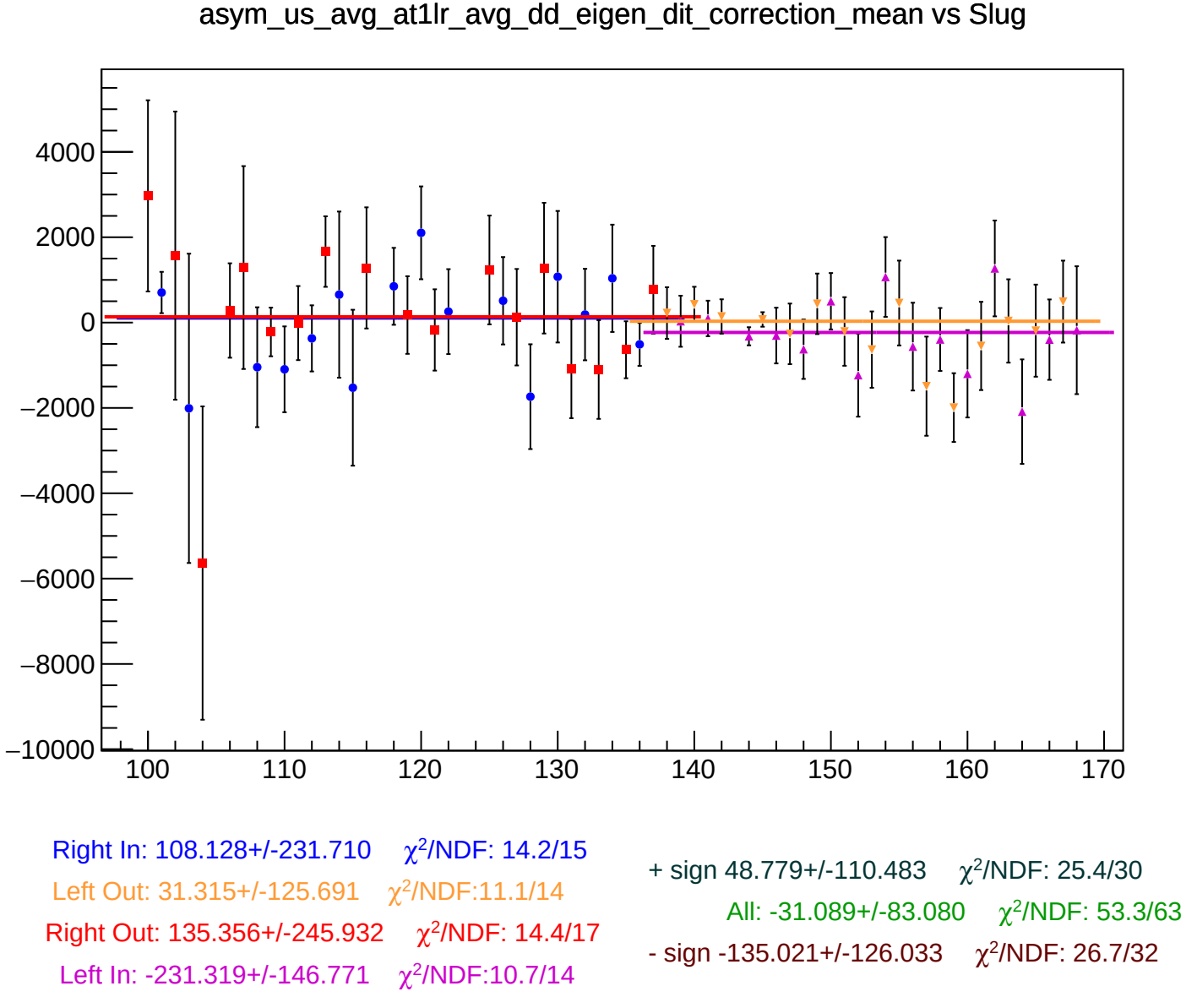
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

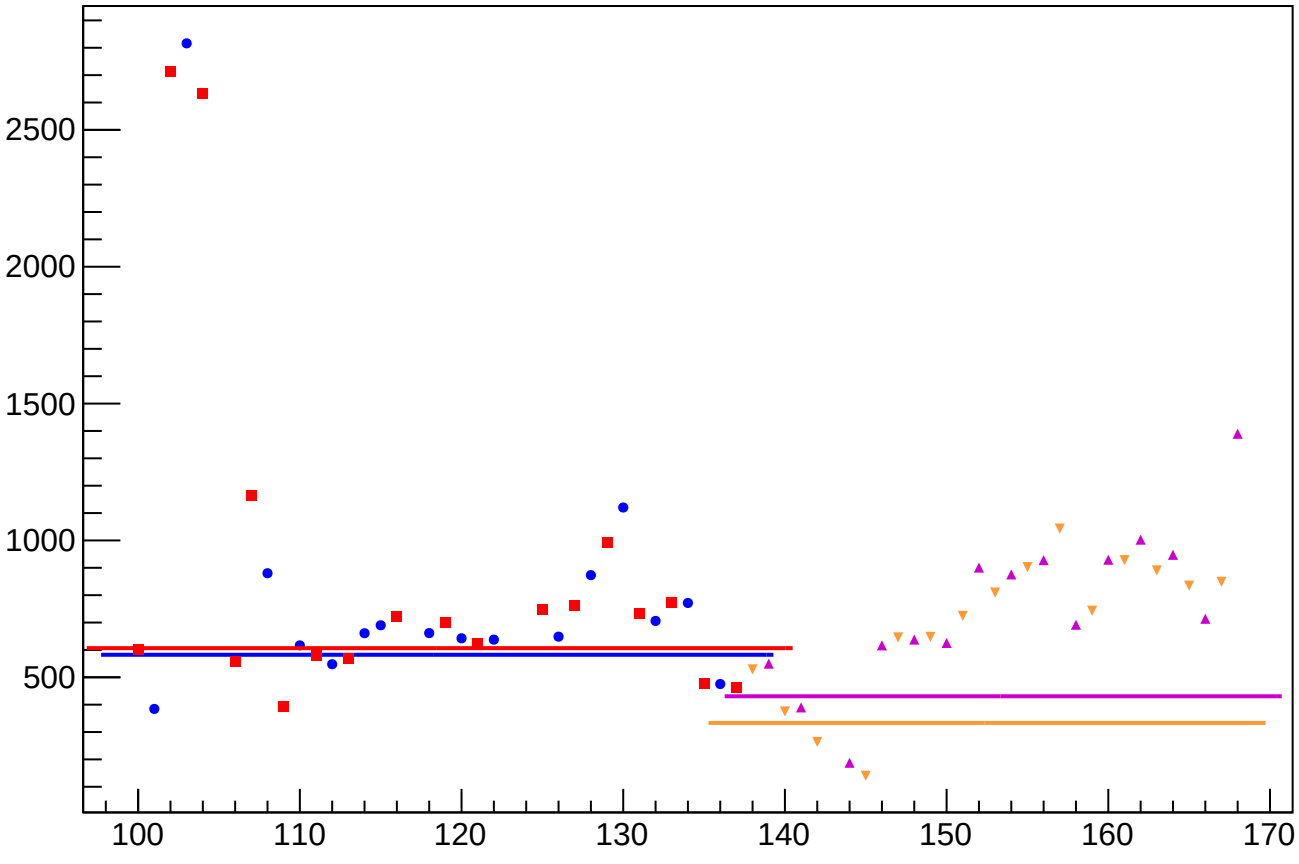
Left In: 1736.955+/-0.349 χ^2/NDF:1885.7/14

+ sign 1785.477+/-0.292 χ^2/NDF: 750126.1/30

All: 1790.037+/-0.205 χ^2/NDF: 1191310.9/63

- sign 1794.485+/-0.288 χ^2/NDF: 440703.1/32


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
Right In: 108.128+/-231.710 χ²/NDF: 14.2/15
Left Out: 31.315+/-125.691 χ²/NDF:11.1/14
Right Out: 135.356+/-245.932 χ²/NDF: 14.4/17
Left In: -231.319+/-146.771 χ²/NDF:10.7/14
+ sign 48.779+/-110.483 χ²/NDF: 25.4/30
All: -31.089+/-83.080 χ²/NDF: 53.3/63
- sign -135.021+/-126.033 χ²/NDF: 26.7/32



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 333.344+/-0.089 χ^2/NDF:8918933.1/14

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

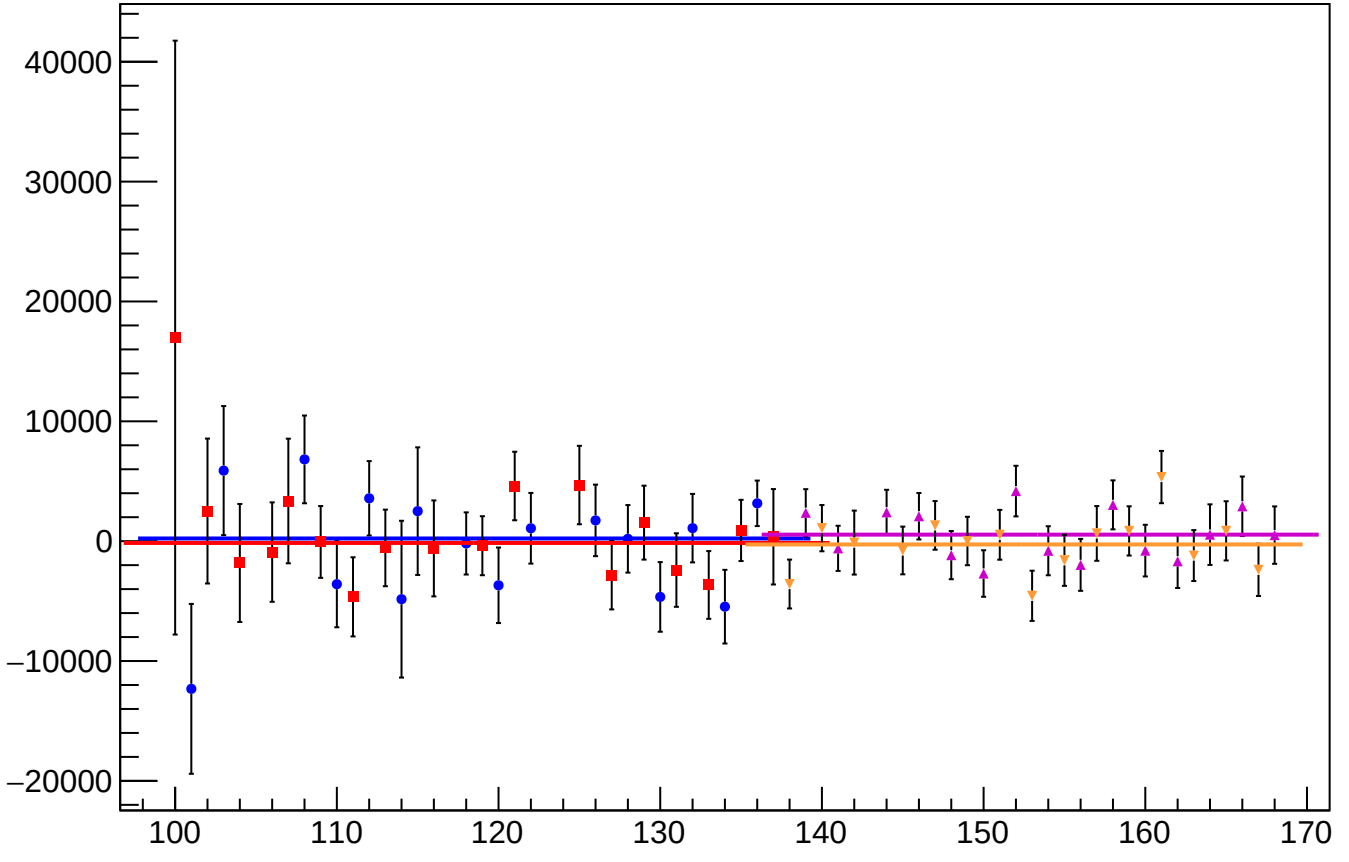
Left In: 430.642+/-0.104 χ^2/NDF:7221174.1/14

+ sign 389.938+/-0.078 χ^2/NDF: 12456649.8/30

All: 427.688+/-0.059 χ^2/NDF: 23167204.9/63

- sign 476.813+/-0.089 χ^2/NDF: 10173203.1/32

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -272.710+/-550.132 χ^2/NDF:17.0/14

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

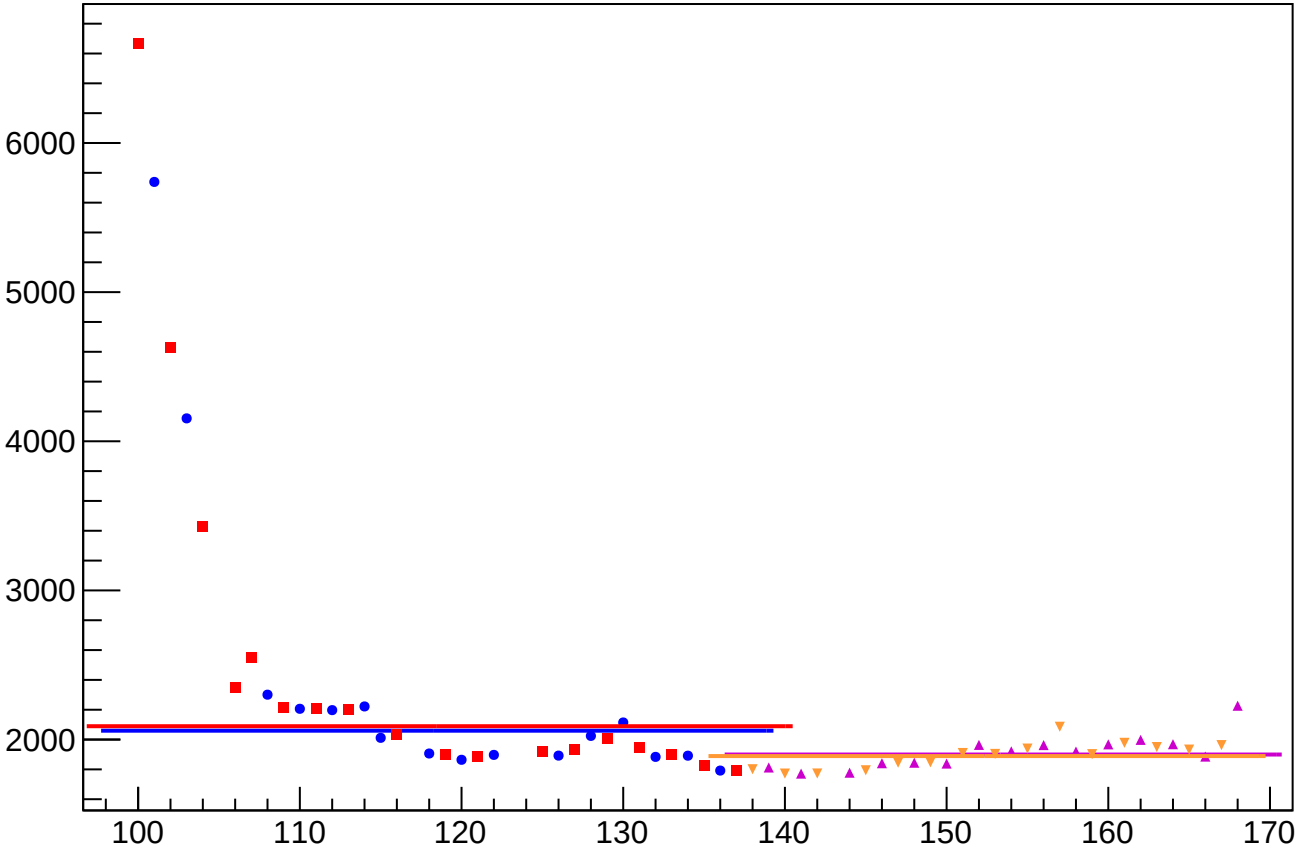
Left In: 544.929+/-540.064 χ^2/NDF:14.9/14

+ sign -110.794+/-451.767 χ^2/NDF: 38.4/30

All: 110.033+/-317.600 χ^2/NDF: 65.9/63

- sign 325.826+/-446.588 χ^2/NDF: 27.0/32

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1889.269+/-0.389 χ^2/NDF:45512.4/14

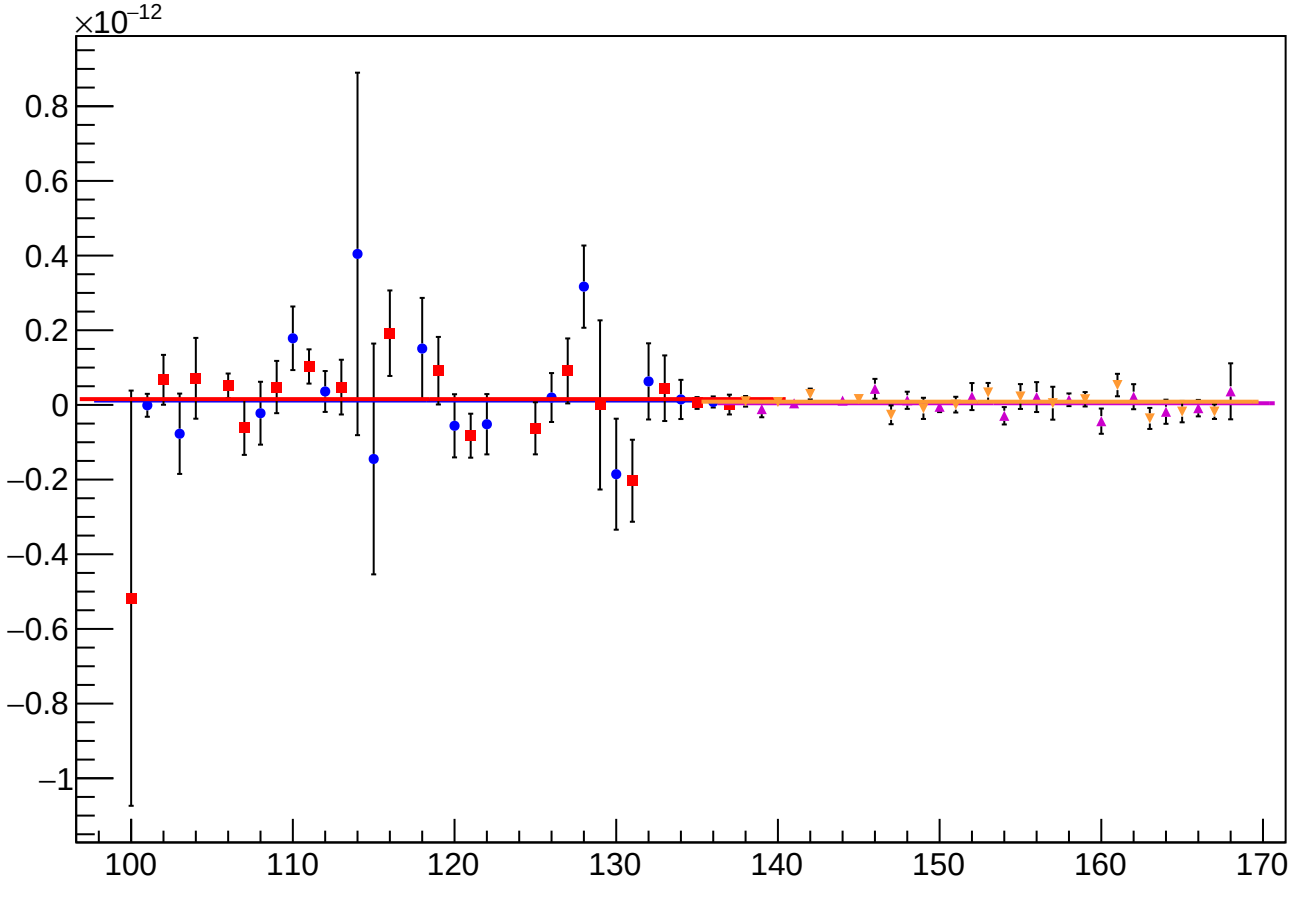
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1899.608+/-0.382 χ^2/NDF:75584.2/14

+ sign 1944.701+/-0.319 χ^2/NDF: 1047743.1/30

All: 1952.260+/-0.225 χ^2/NDF: 1884066.6/63

- sign 1959.647+/-0.316 χ^2/NDF: 835216.4/32



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/14

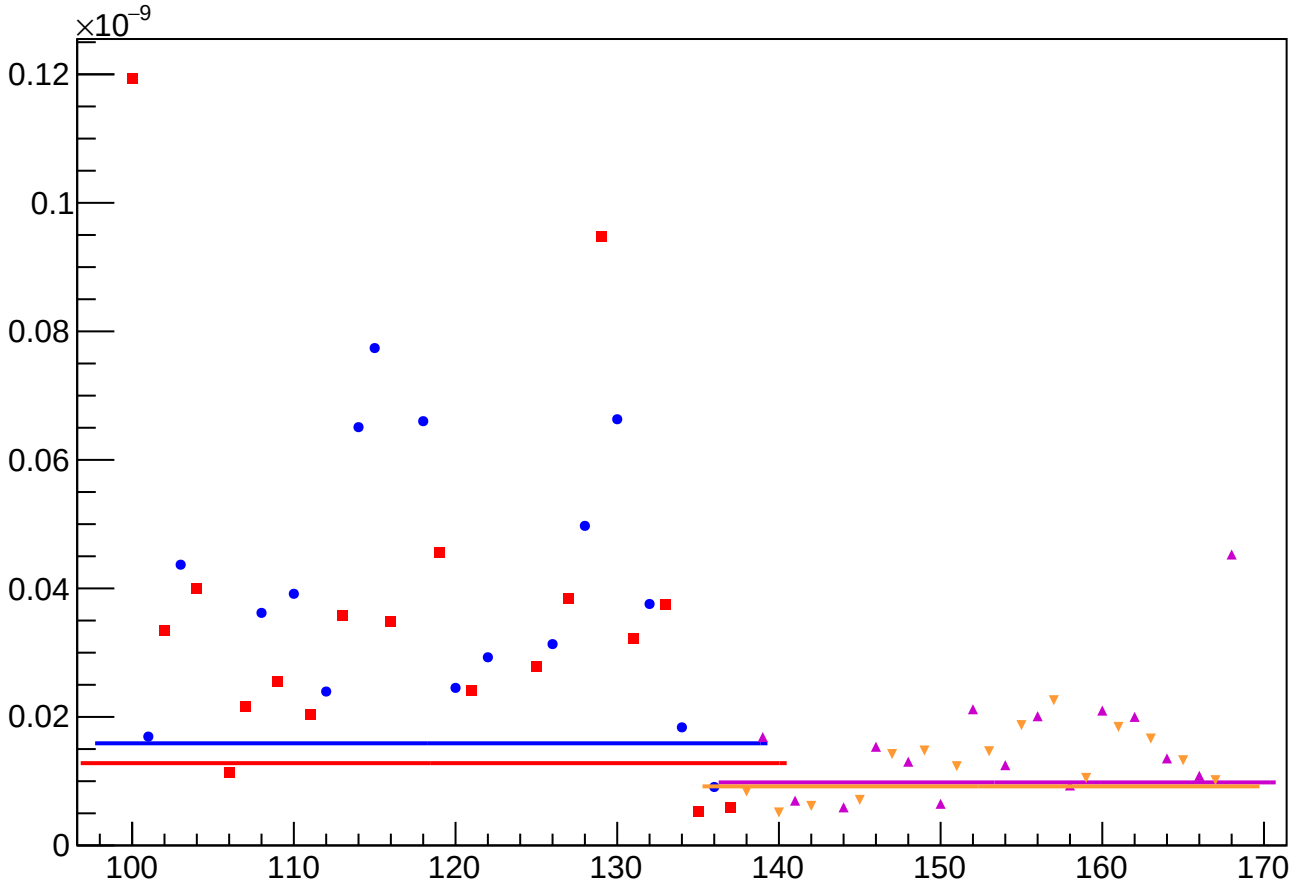
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:9.9/14

+ sign 0.000+/-0.000 χ^2/NDF: 31.6/30

All: 0.000+/-0.000 χ^2/NDF: 63.2/63

- sign 0.000+/-0.000 χ^2/NDF: 31.5/32



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1534068.1/14

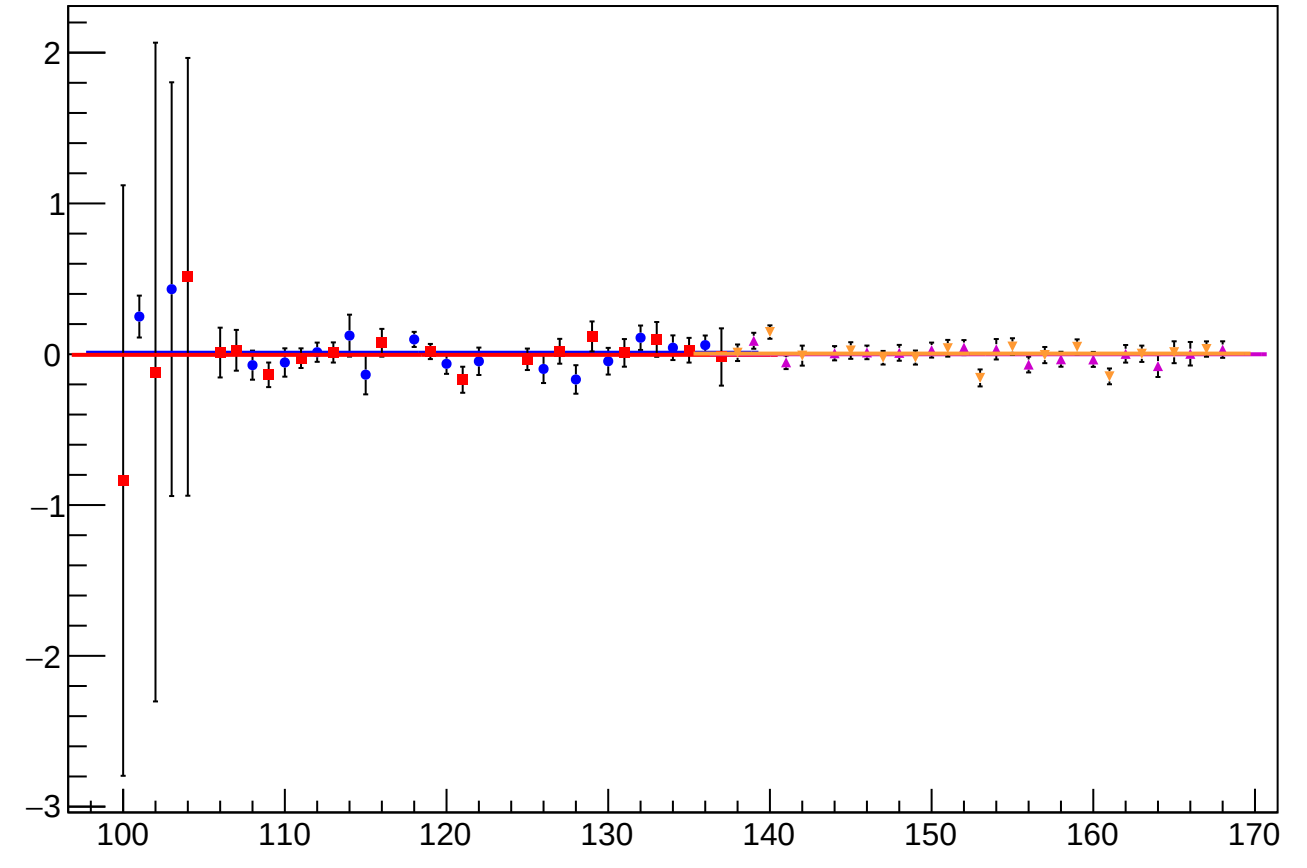
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2125484.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 4043451.2/30

All: 0.000+/-0.000 χ^2/NDF: 8785565.9/63

- sign 0.000+/-0.000 χ^2/NDF: 4740226.1/32



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-0.014 χ^2/NDF:30.0/14

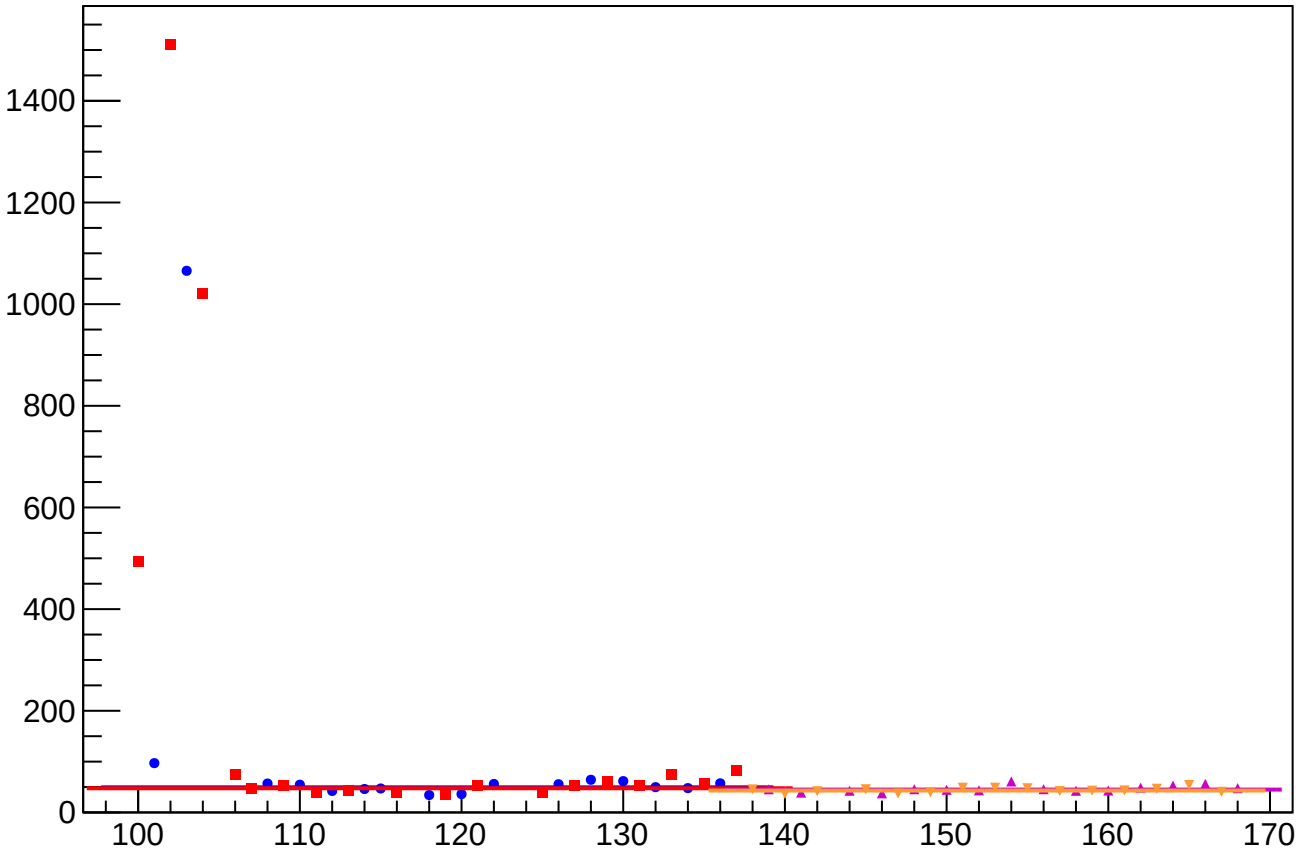
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.000+/-0.014 χ^2/NDF:9.8/14

+ sign 0.006+/-0.011 χ^2/NDF: 48.5/30

All: 0.002+/-0.008 χ^2/NDF: 69.0/63

- sign -0.001+/-0.012 χ^2/NDF: 20.3/32



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 43.121+/-0.010 χ^2/NDF:212099.2/14

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

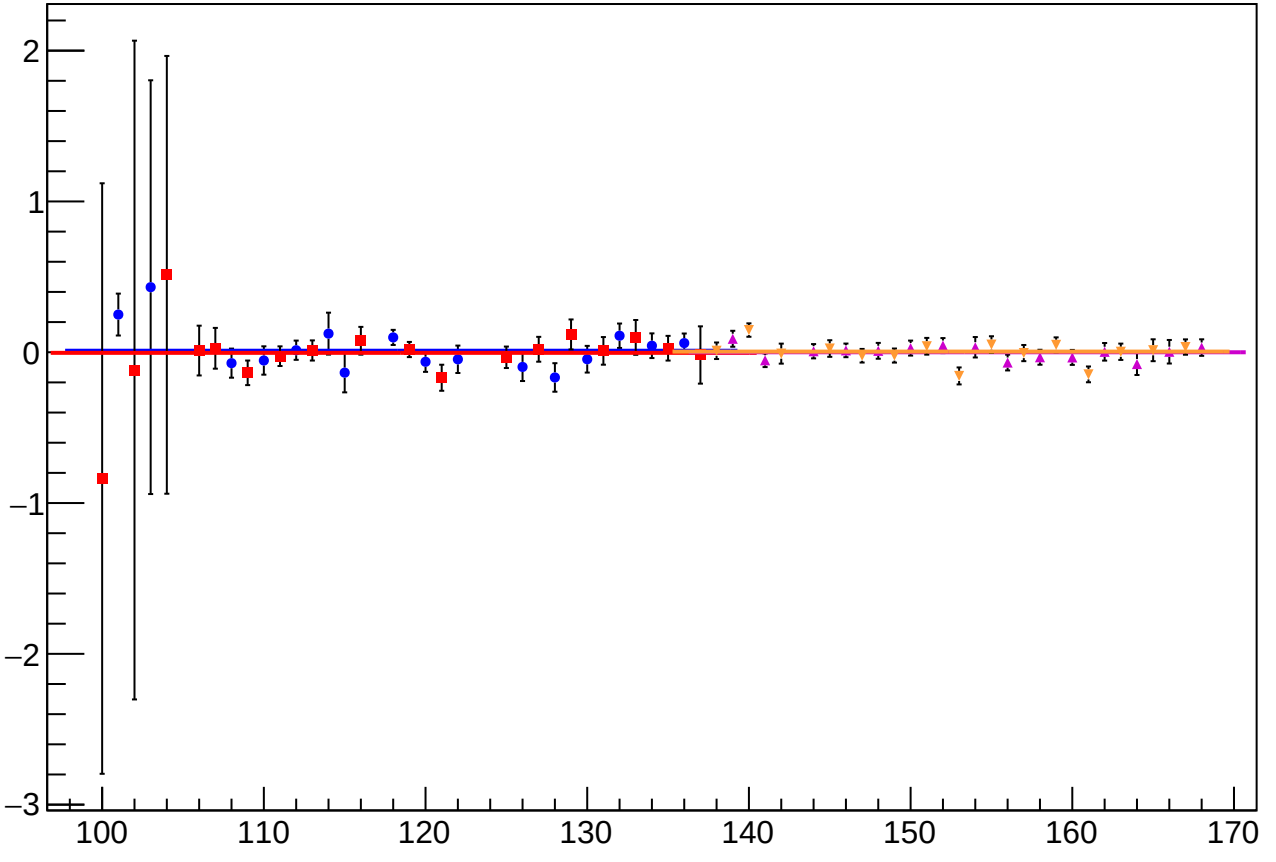
Left In: 44.961+/-0.010 χ^2/NDF:294711.2/14

+ sign 44.976+/-0.008 χ^2/NDF: 2112344.3/30

All: 45.346+/-0.006 χ^2/NDF: 4850927.4/63

- sign 45.723+/-0.008 χ^2/NDF: 2734367.0/32

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: 0.004+/-0.014 χ^2/NDF:30.0/14

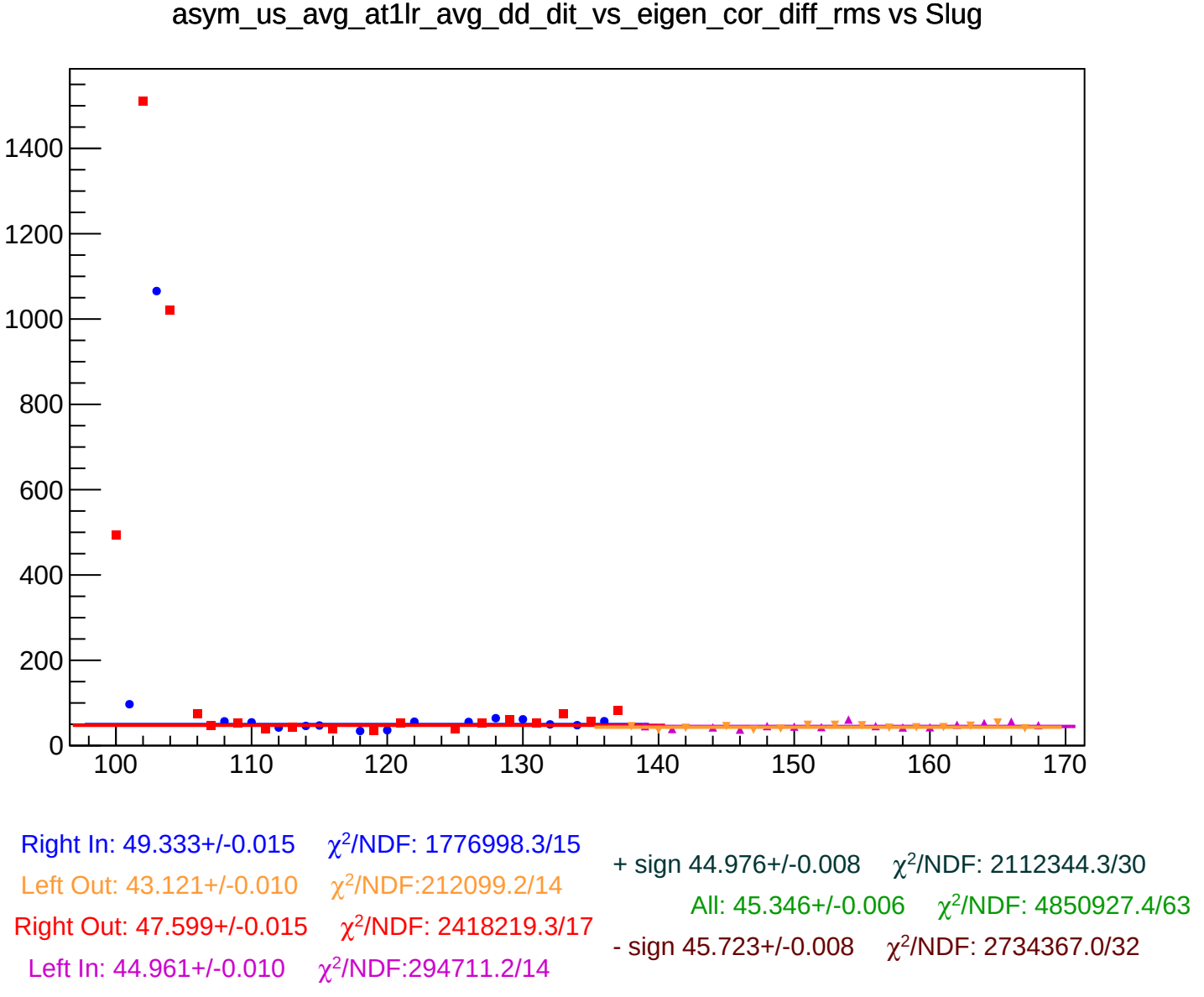
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

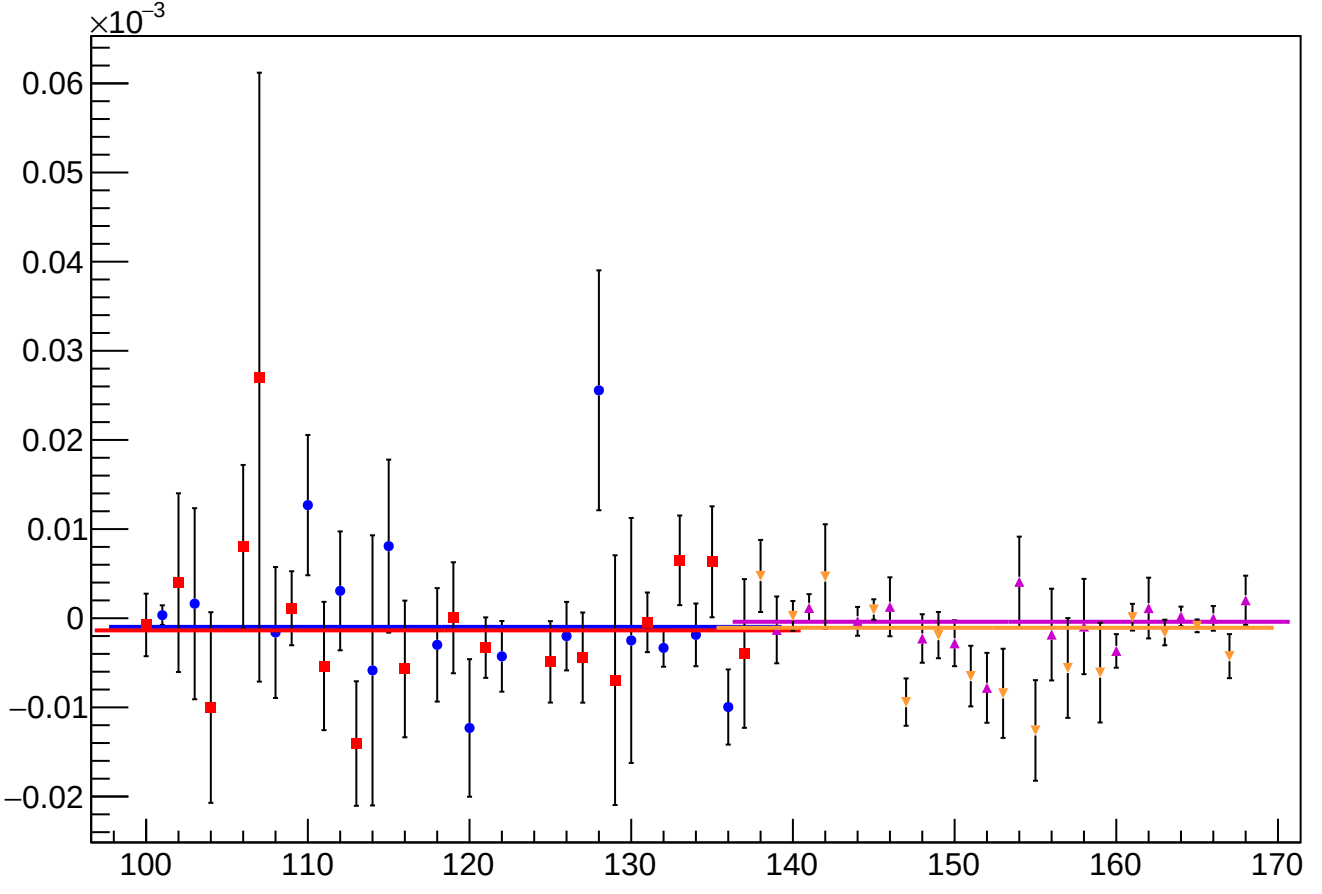
Left In: -0.000+/-0.014 χ^2/NDF:9.8/14

+ sign 0.006+/-0.011 χ^2/NDF: 48.5/30

All: 0.002+/-0.008 χ^2/NDF: 69.0/63

- sign -0.001+/-0.012 χ^2/NDF: 20.3/32


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: 43.121+/-0.010 χ²/NDF:212099.2/14
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 44.961+/-0.010 χ²/NDF:294711.2/14
+ sign 44.976+/-0.008 χ²/NDF: 2112344.3/30
All: 45.346+/-0.006 χ²/NDF: 4850927.4/63
- sign 45.723+/-0.008 χ²/NDF: 2734367.0/32



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/14

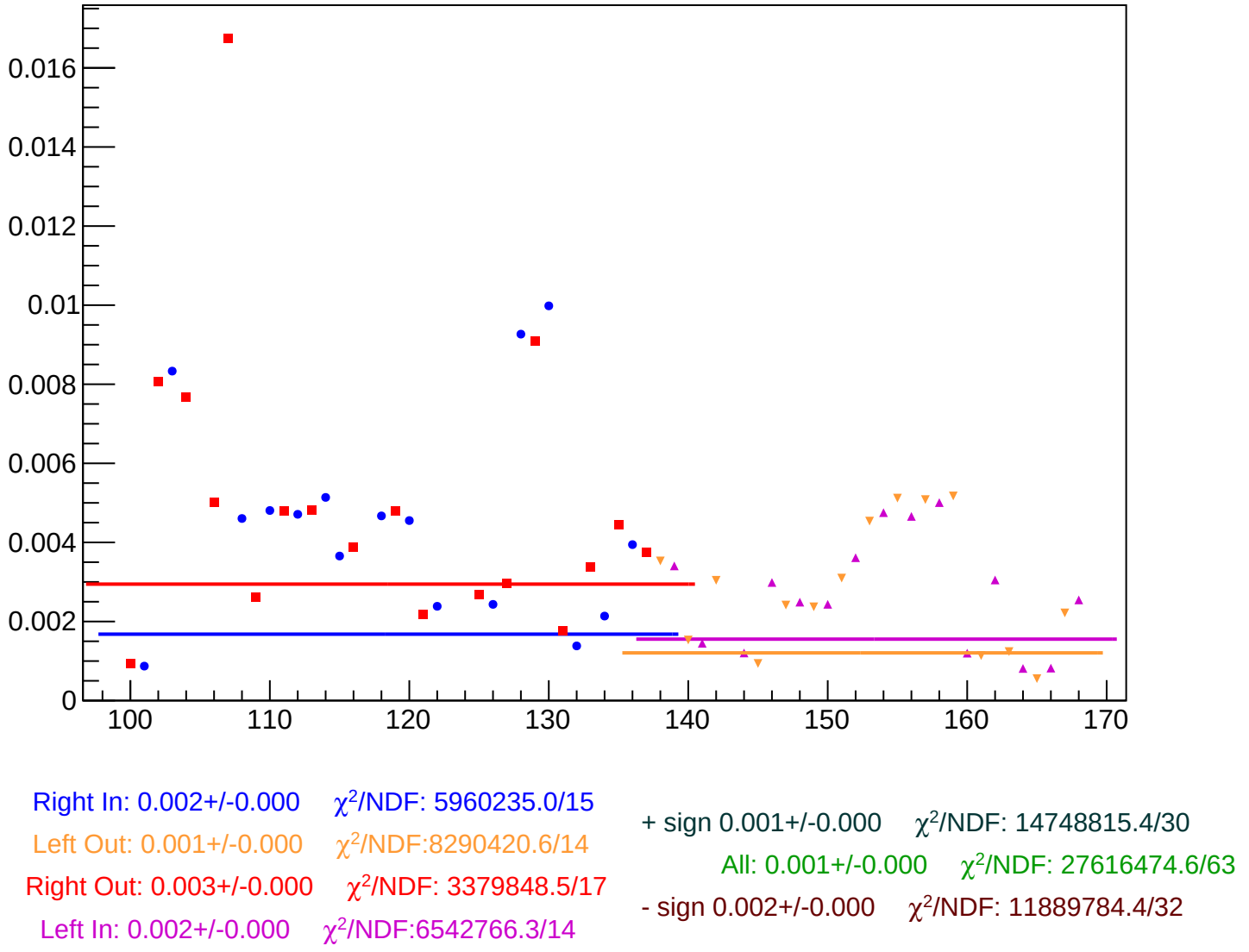
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

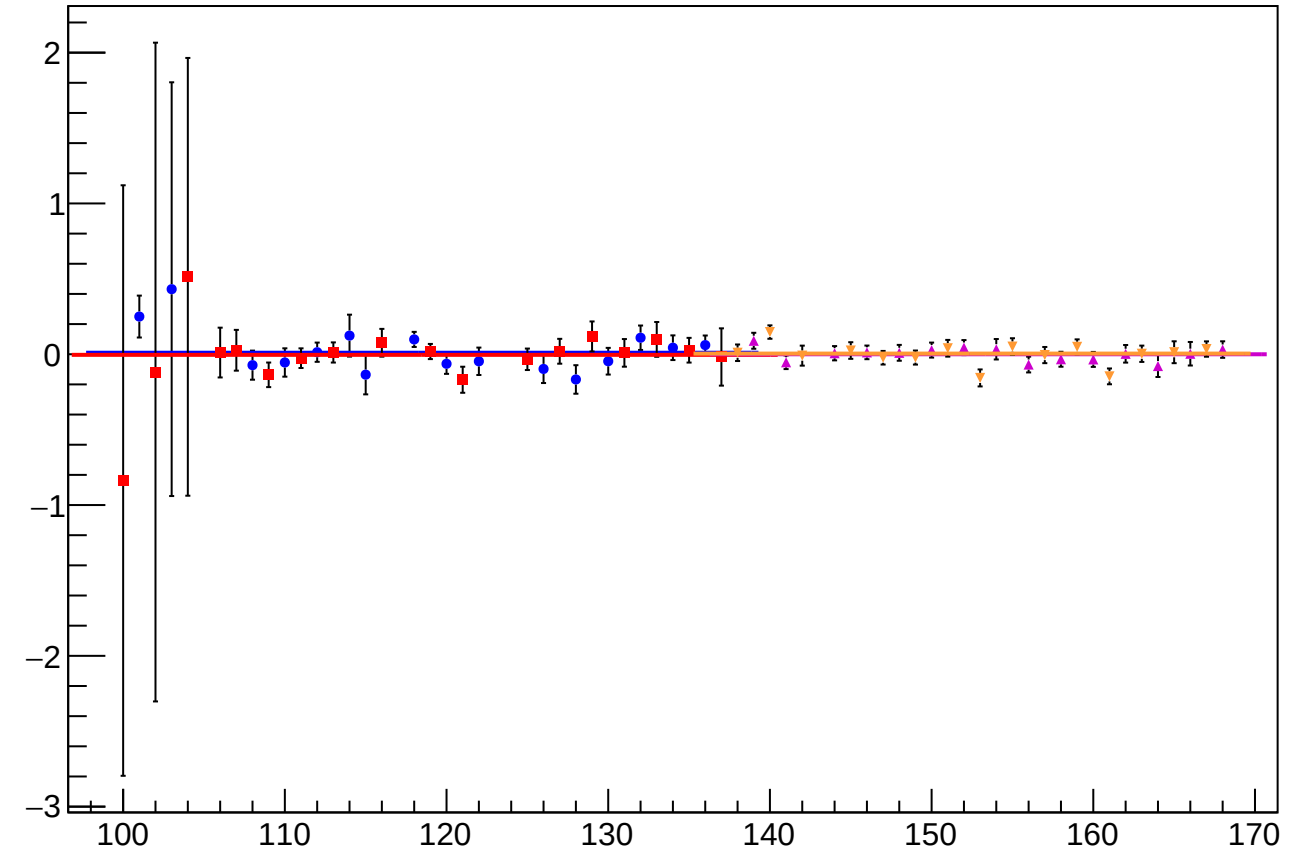
Left In: -0.000+/-0.000 χ^2/NDF:11.5/14

+ sign -0.000+/-0.000 χ^2/NDF: 48.3/30

All: -0.000+/-0.000 χ^2/NDF: 73.5/63

- sign -0.000+/-0.000 χ^2/NDF: 24.6/32


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
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: 5960235.0/15
Left Out: 0.001+/-0.000 χ²/NDF:8290420.6/14
Right Out: 0.003+/-0.000 χ²/NDF: 3379848.5/17
Left In: 0.002+/-0.000 χ²/NDF:6542766.3/14
+ sign 0.001+/-0.000 χ²/NDF: 14748815.4/30
All: 0.001+/-0.000 χ²/NDF: 27616474.6/63
- sign 0.002+/-0.000 χ²/NDF: 11889784.4/32



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-0.014 χ^2/NDF:30.0/14

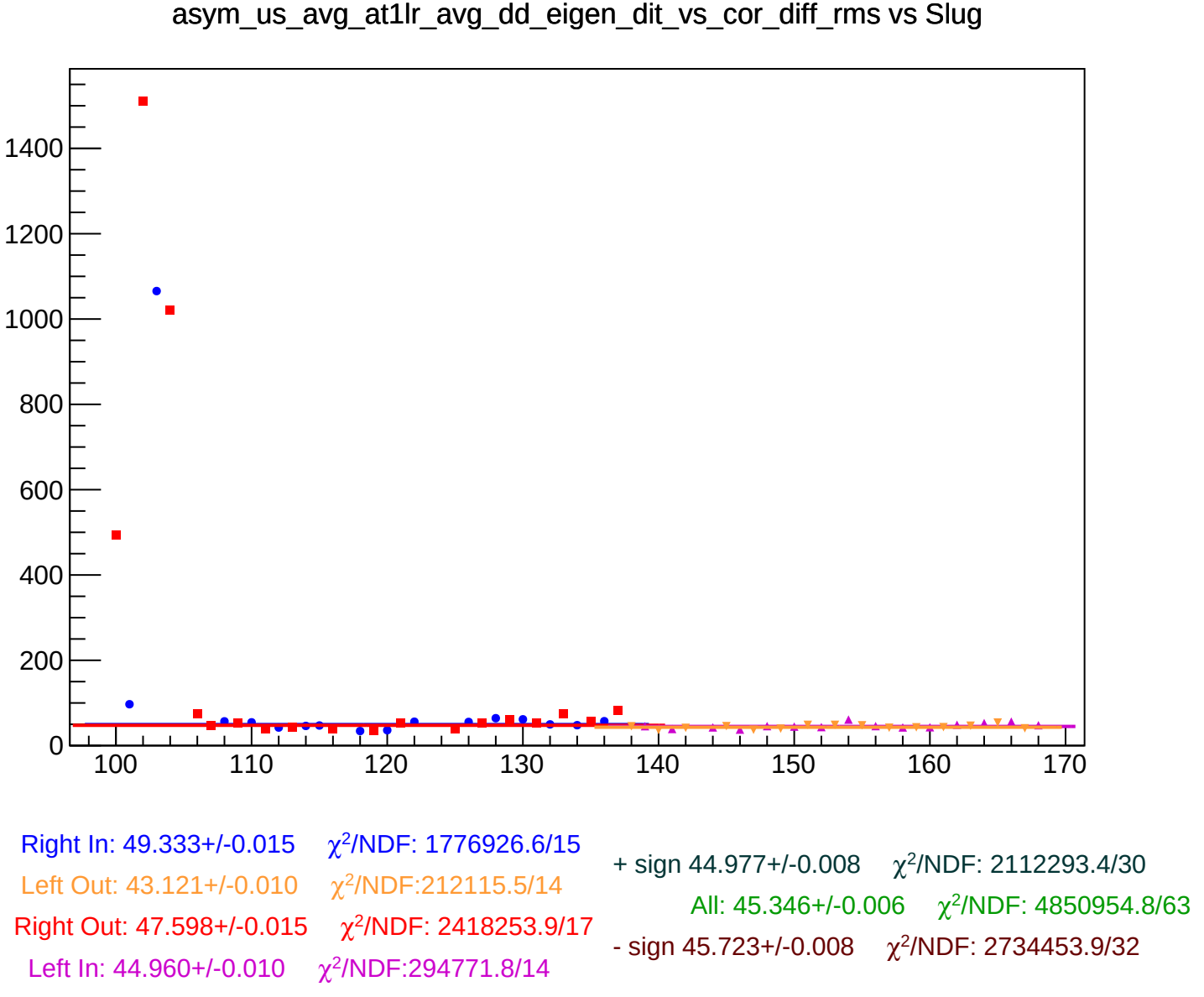
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

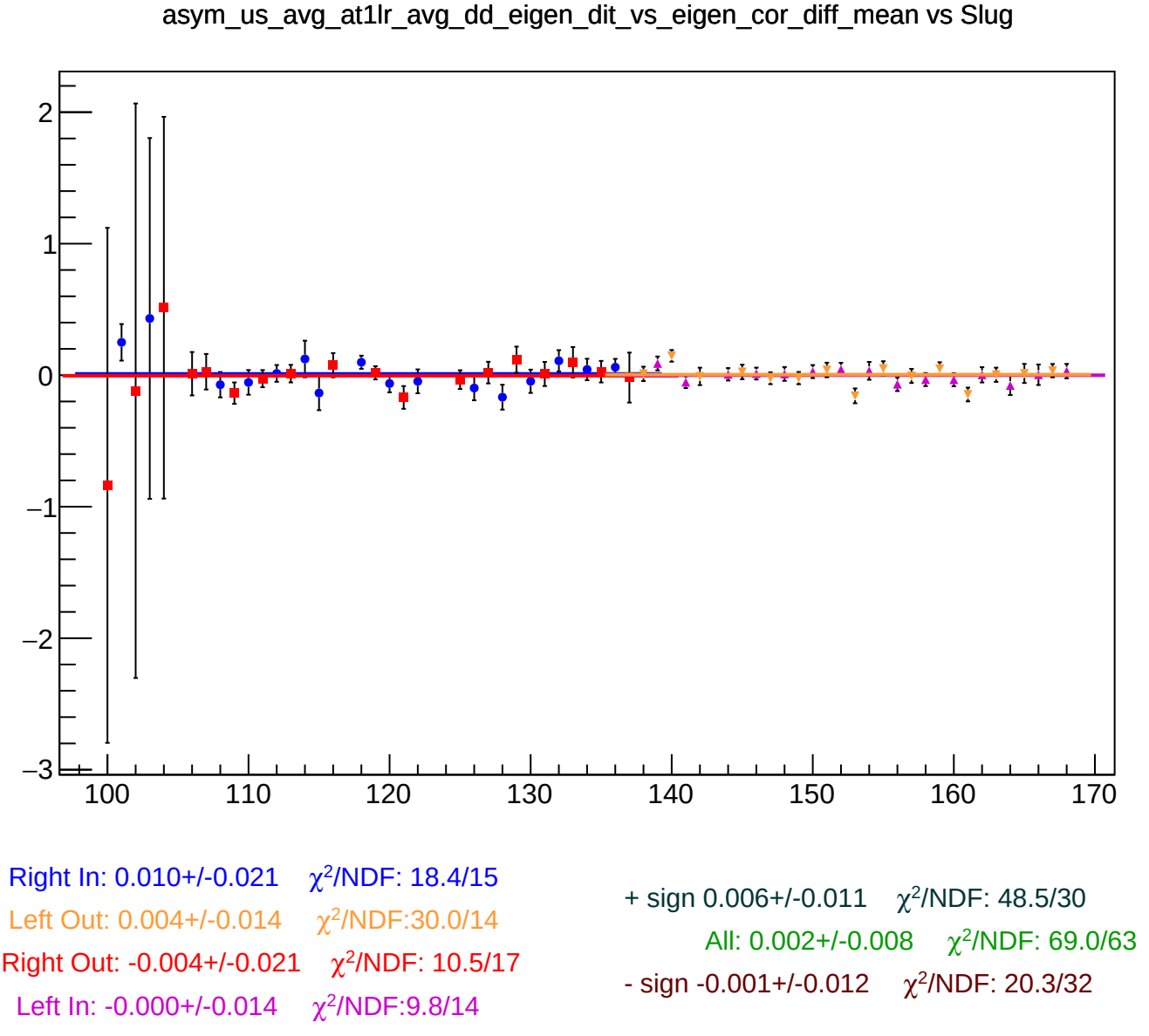
Left In: -0.000+/-0.014 χ^2/NDF:9.8/14

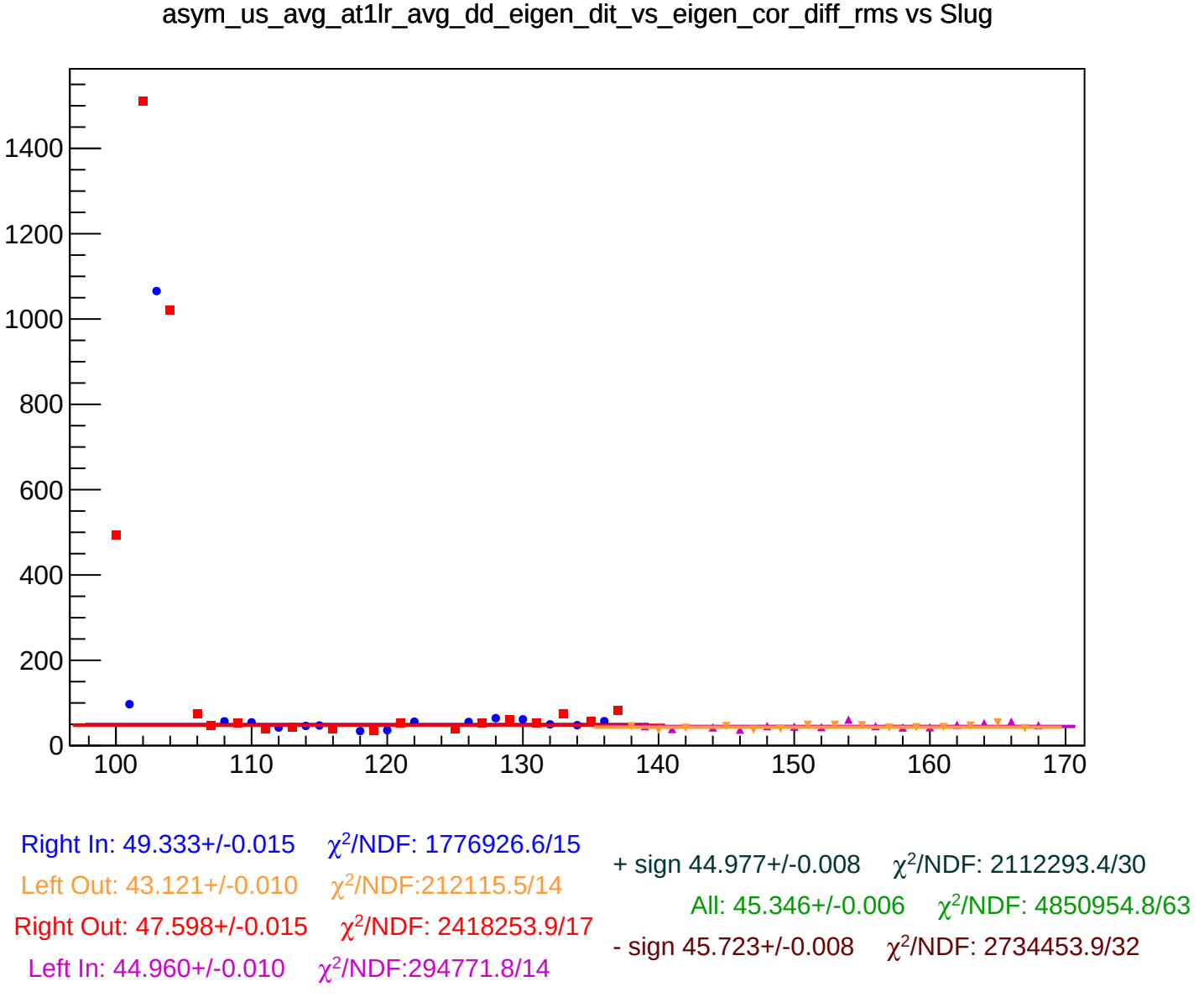
+ sign 0.006+/-0.011 χ^2/NDF: 48.5/30

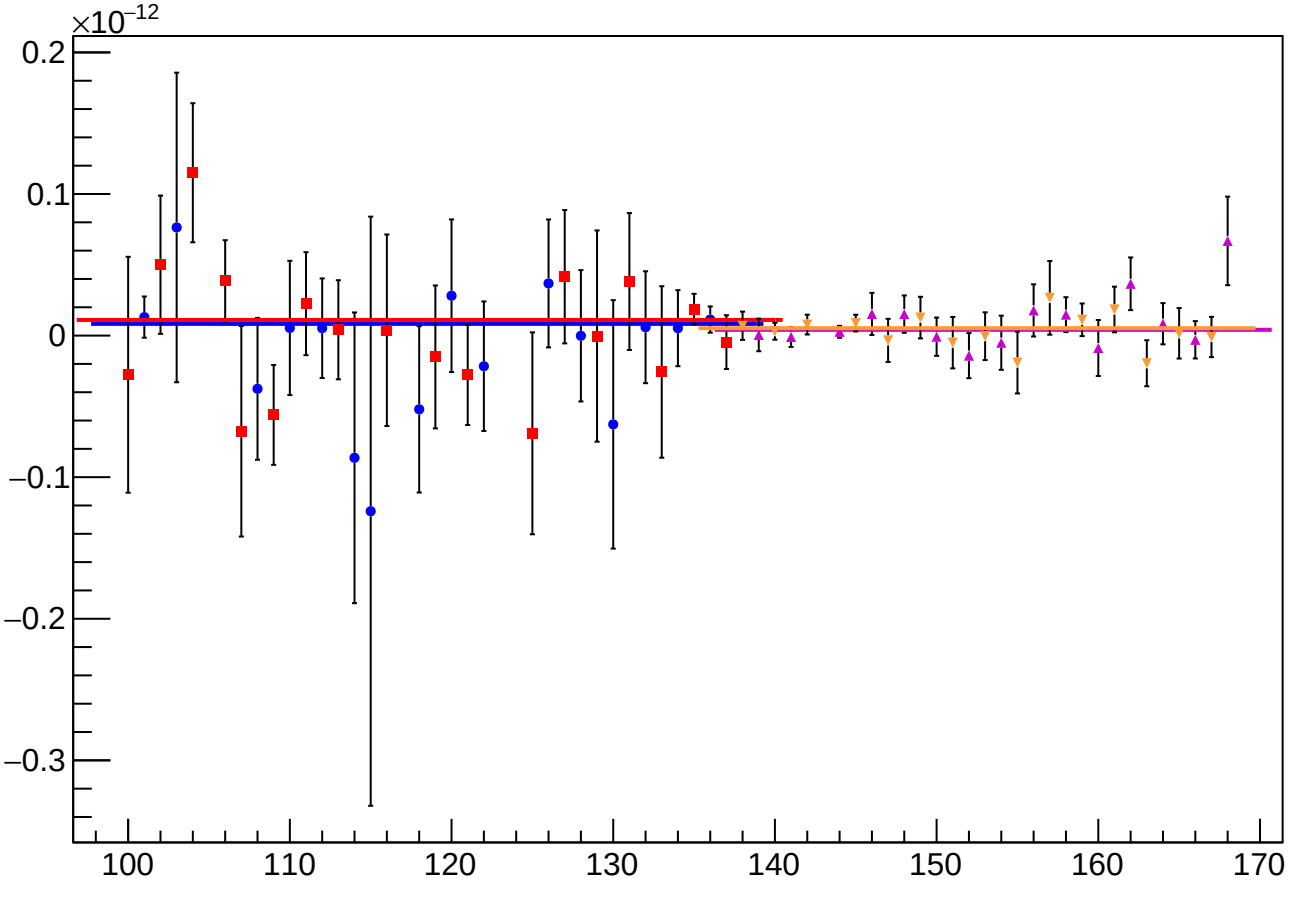
All: 0.002+/-0.008 χ^2/NDF: 69.0/63

- sign -0.001+/-0.012 χ^2/NDF: 20.3/32


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: 43.121+/-0.010 χ²/NDF:212115.5/14
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 44.960+/-0.010 χ²/NDF:294771.8/14
+ sign 44.977+/-0.008 χ²/NDF: 2112293.4/30
All: 45.346+/-0.006 χ²/NDF: 4850954.8/63
- sign 45.723+/-0.008 χ²/NDF: 2734453.9/32


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: 0.010+/-0.021 χ²/NDF: 18.4/15
Left Out: 0.004+/-0.014 χ²/NDF:30.0/14
Right Out: -0.004+/-0.021 χ²/NDF: 10.5/17
Left In: -0.000+/-0.014 χ²/NDF:9.8/14
+ sign 0.006+/-0.011 χ²/NDF: 48.5/30
All: 0.002+/-0.008 χ²/NDF: 69.0/63
- sign -0.001+/-0.012 χ²/NDF: 20.3/32


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: 43.121+/-0.010 χ²/NDF:212115.5/14
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 44.960+/-0.010 χ²/NDF:294771.8/14
+ sign 44.977+/-0.008 χ²/NDF: 2112293.4/30
All: 45.346+/-0.006 χ²/NDF: 4850954.8/63
- sign 45.723+/-0.008 χ²/NDF: 2734453.9/32



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/14

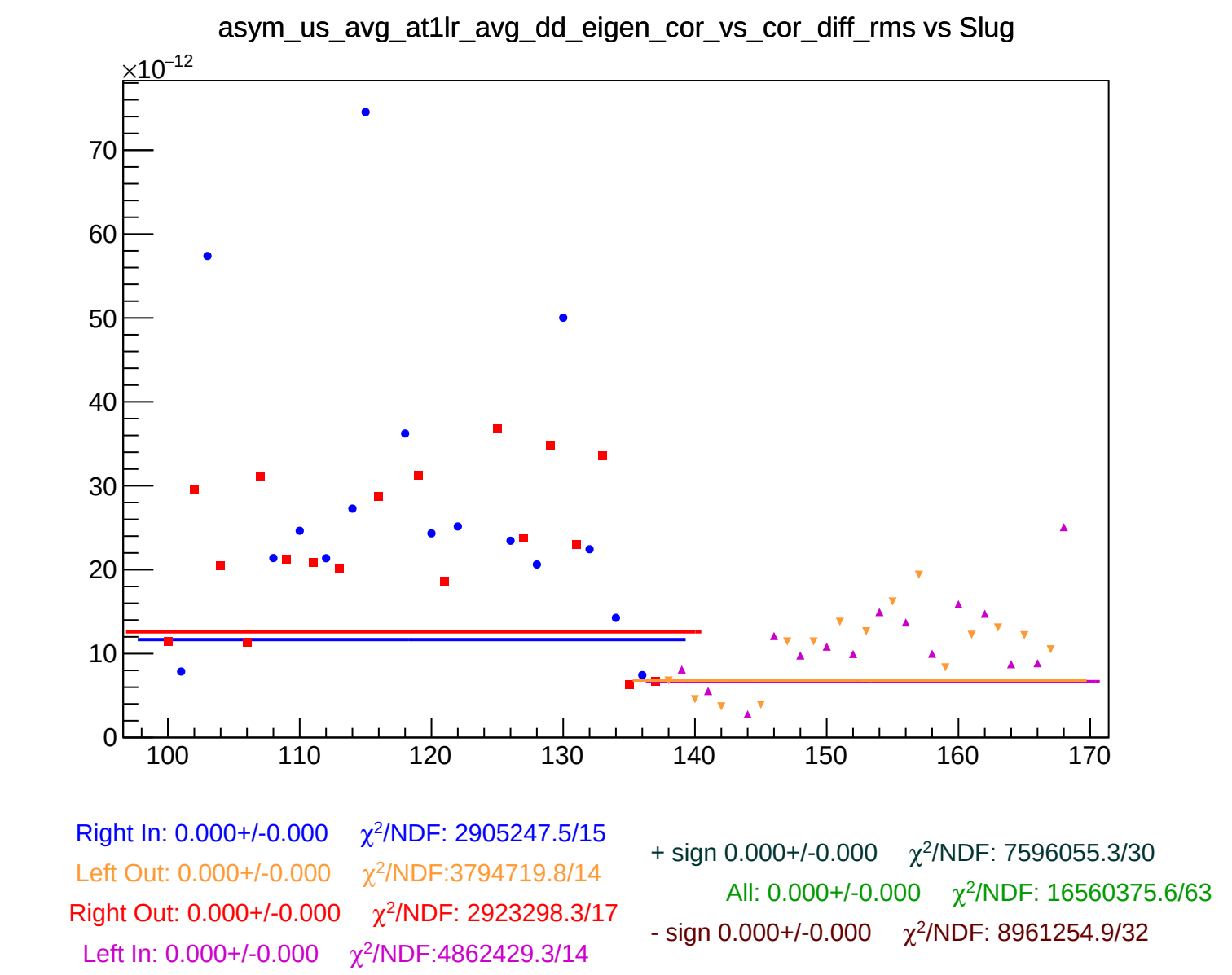
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:12.8/14

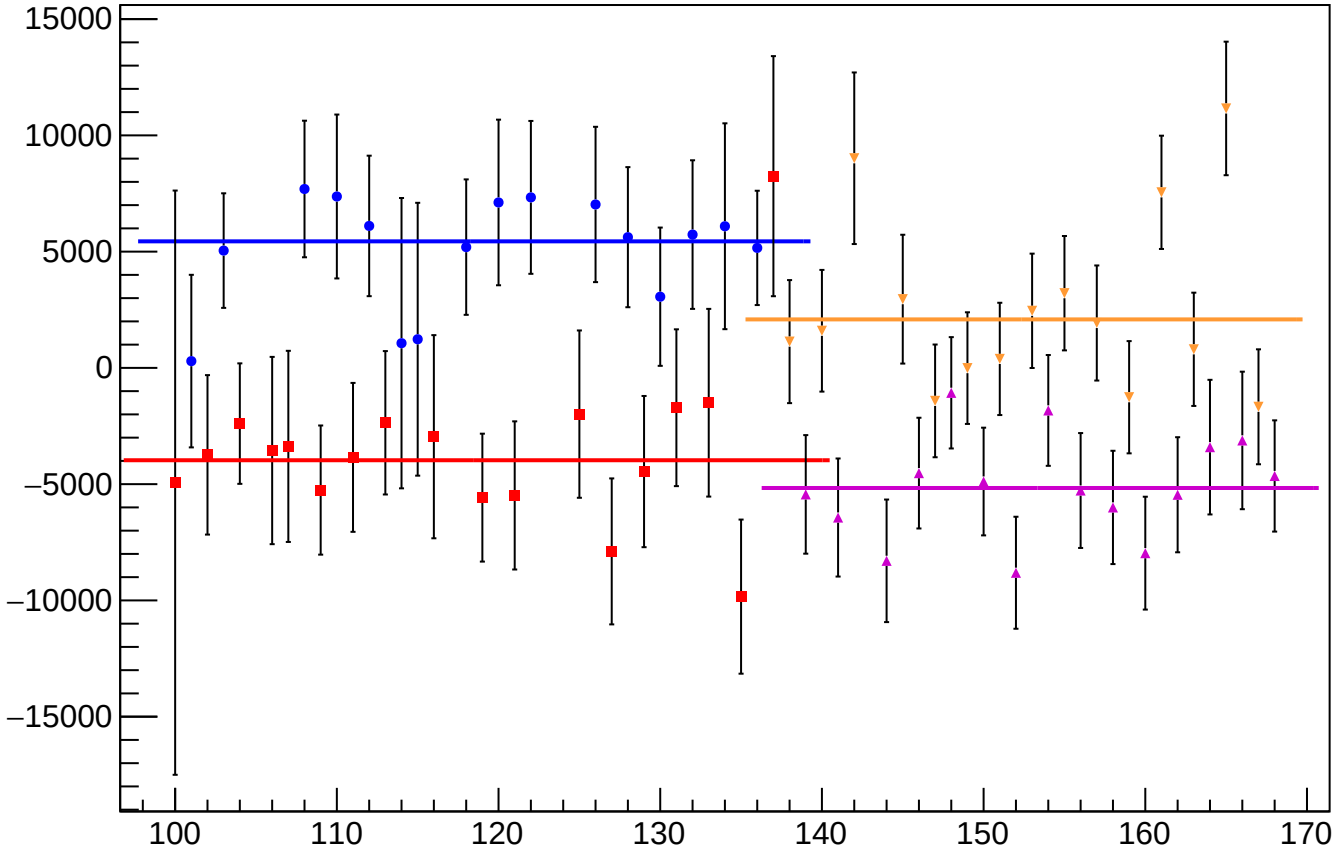
+ sign 0.000+/-0.000 χ^2/NDF: 12.7/30

All: 0.000+/-0.000 χ^2/NDF: 42.6/63

- sign 0.000+/-0.000 χ^2/NDF: 29.9/32


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
0
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:3794719.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:4862429.3/14
+ sign 0.000+/-0.000 χ²/NDF: 7596055.3/30
All: 0.000+/-0.000 χ²/NDF: 16560375.6/63
- sign 0.000+/-0.000 χ²/NDF: 8961254.9/32

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2085.532+/-660.022 χ^2/NDF:26.9/14

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

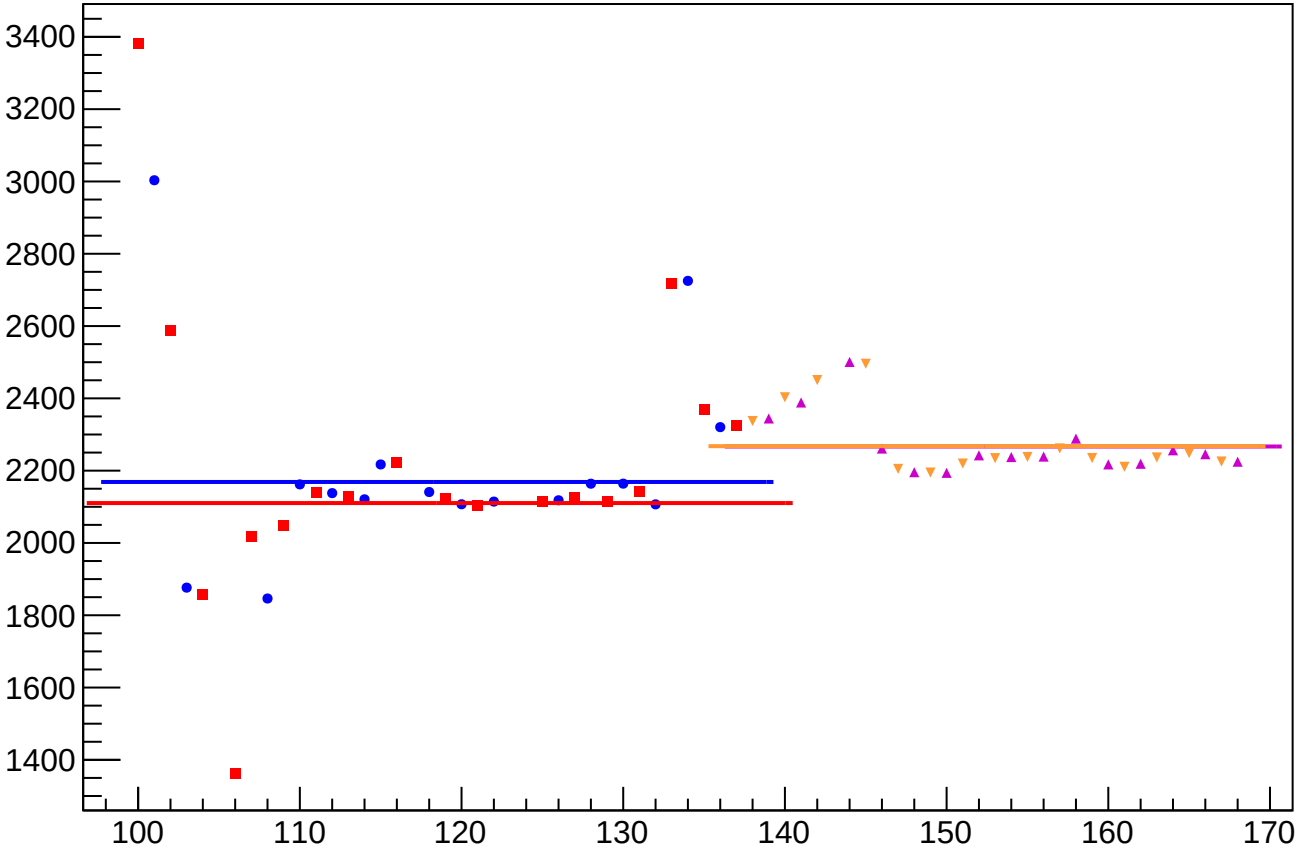
Left In: -5165.165+/-643.829 χ^2/NDF:11.3/14

+ sign 3419.963+/-512.302 χ^2/NDF: 42.6/30

All: -709.396+/-359.199 χ^2/NDF: 195.9/63

- sign -4702.413+/-503.774 χ^2/NDF: 25.6/32

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2267.736+/-0.467 χ^2/NDF:32314.8/14

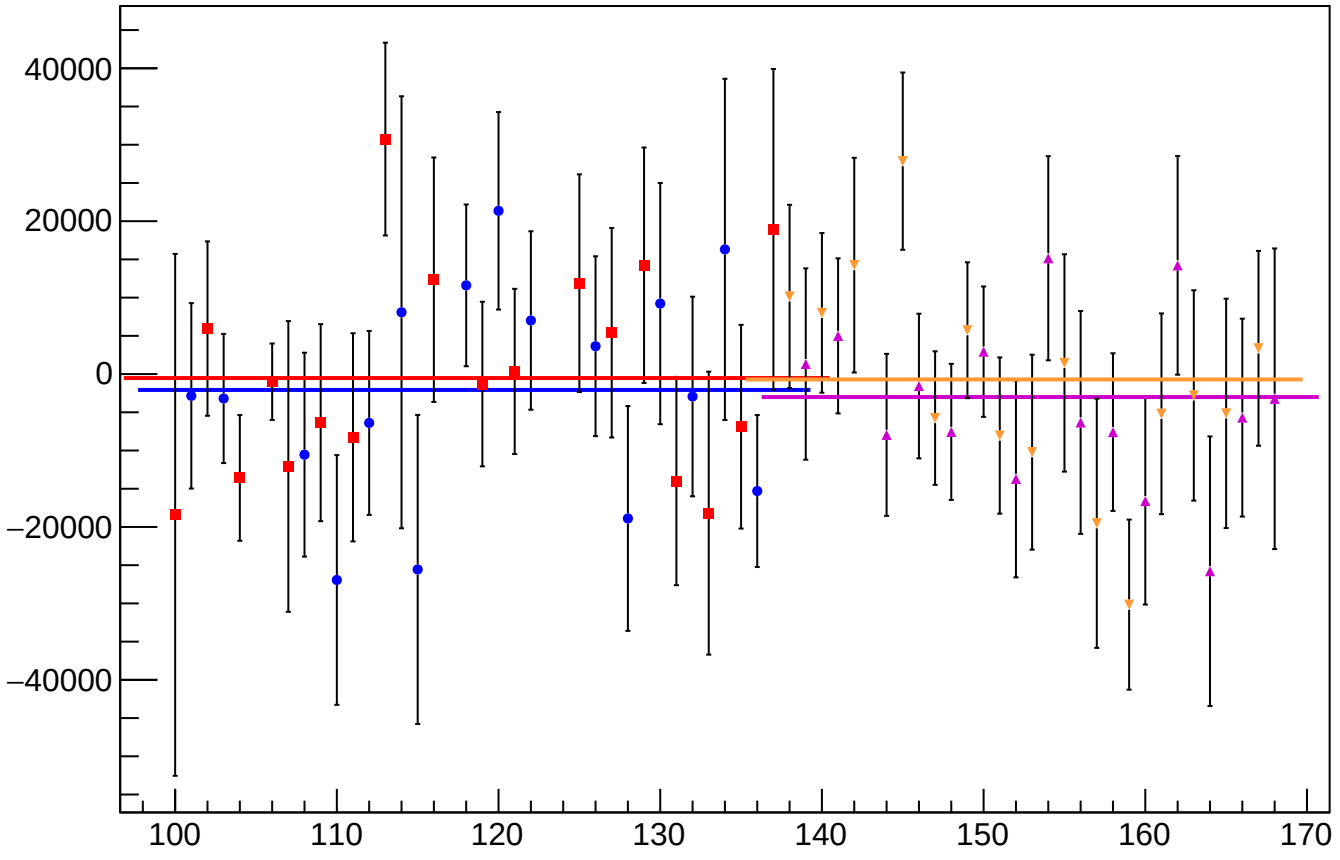
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2266.830+/-0.455 χ^2/NDF:29203.0/14

+ sign 2228.372+/-0.362 χ^2/NDF: 245869.4/30

All: 2216.400+/-0.253 χ^2/NDF: 591323.0/63

- sign 2204.967+/-0.354 χ^2/NDF: 343318.2/32



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: -700.123+/-3034.234 χ^2/NDF:19.3/14

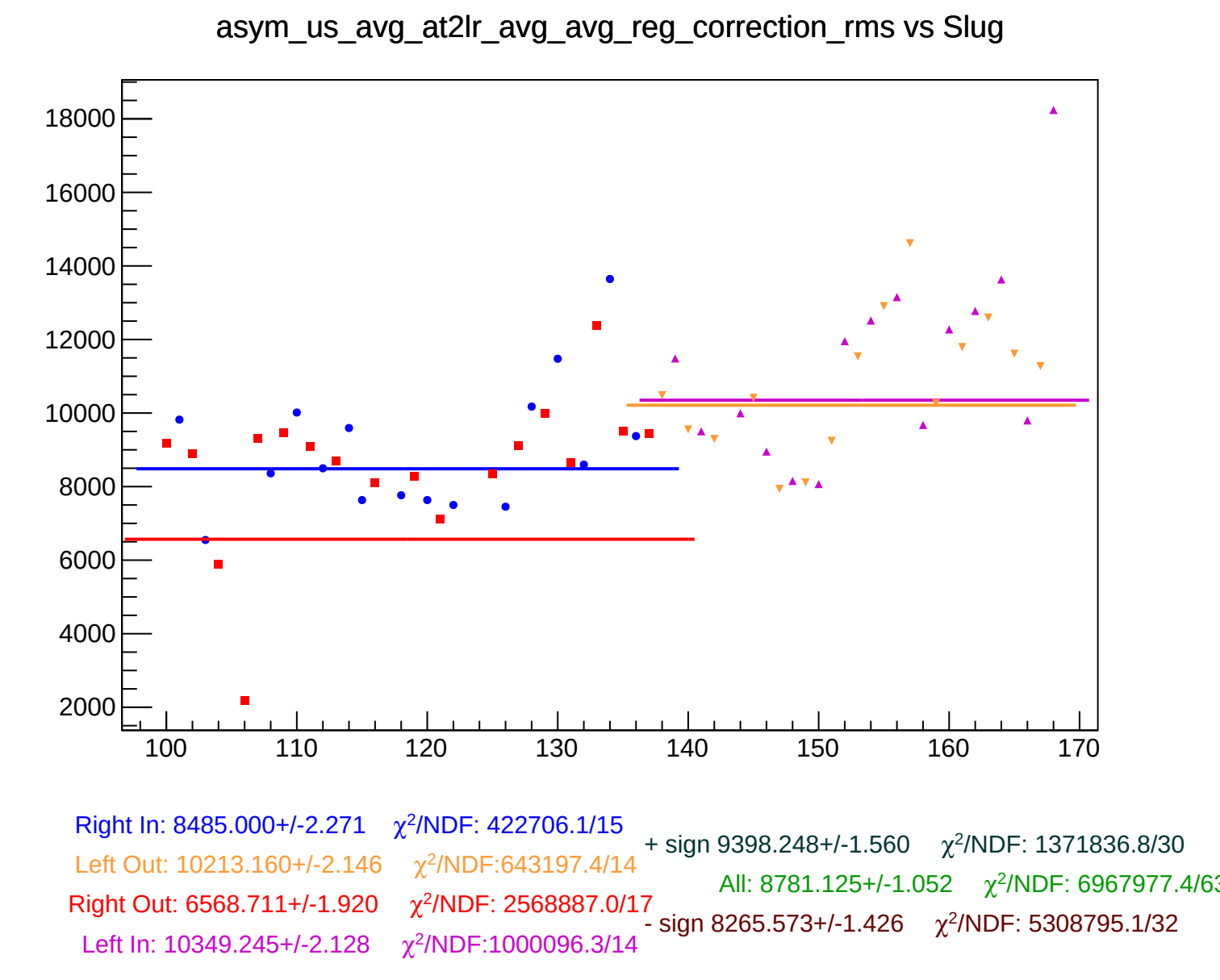
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -3004.798+/-3009.228 χ^2/NDF:8.7/14

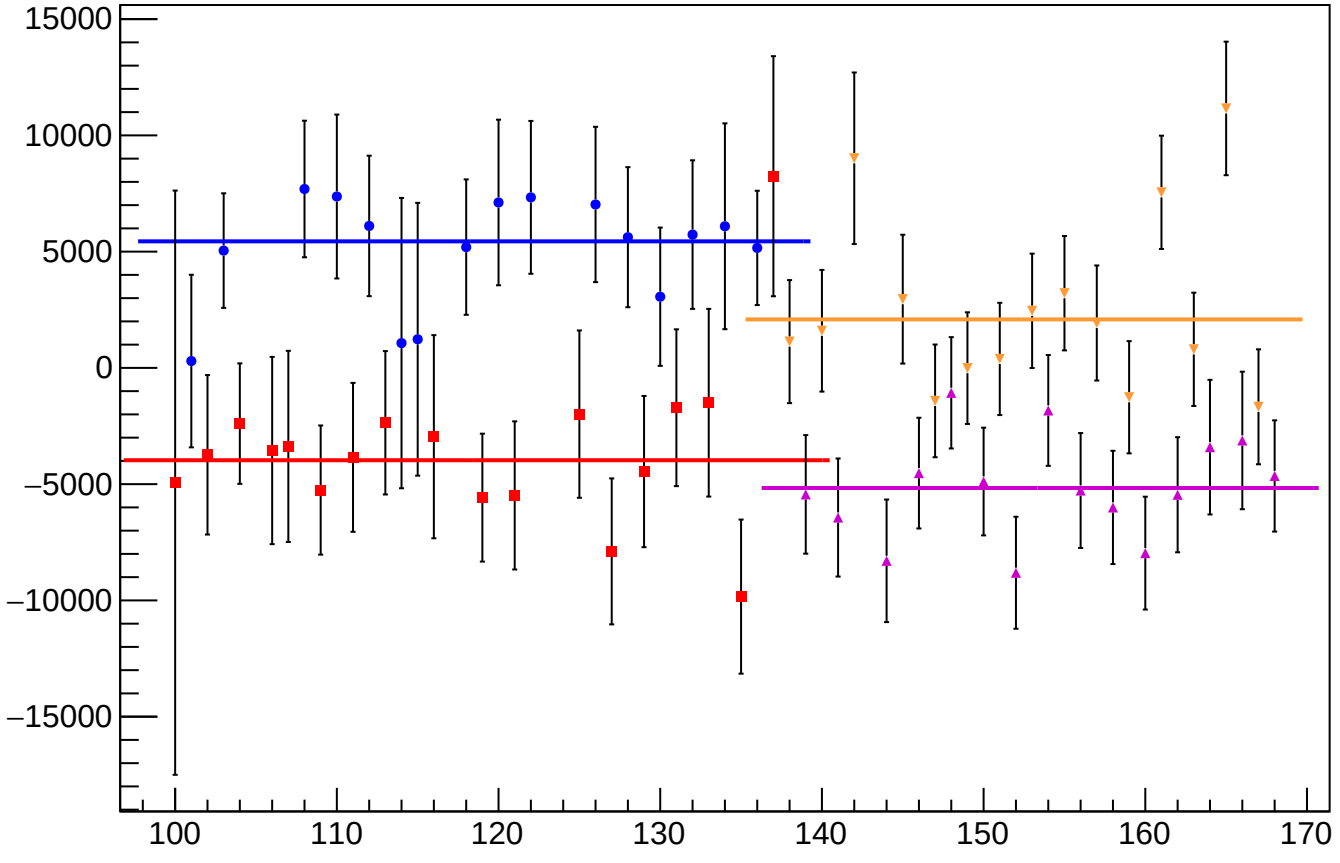
+ sign -1348.370+/-2205.725 χ^2/NDF: 33.9/30

All: -1505.127+/-1488.110 χ^2/NDF: 58.6/63

- sign -1636.083+/-2016.052 χ^2/NDF: 24.8/32


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
Right In: 8485.000+/-2.271 χ²/NDF: 422706.1/15
Left Out: 10213.160+/-2.146 χ²/NDF:643197.4/14
Right Out: 6568.711+/-1.920 χ²/NDF: 2568887.0/17
Left In: 10349.245+/-2.128 χ²/NDF:1000096.3/14
+ sign 9398.248+/-1.560 χ²/NDF: 1371836.8/30
All: 8781.125+/-1.052 χ²/NDF: 6967977.4/63
- sign 8265.573+/-1.426 χ²/NDF: 5308795.1/32

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2085.408+/-660.022 χ^2/NDF:26.9/14

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

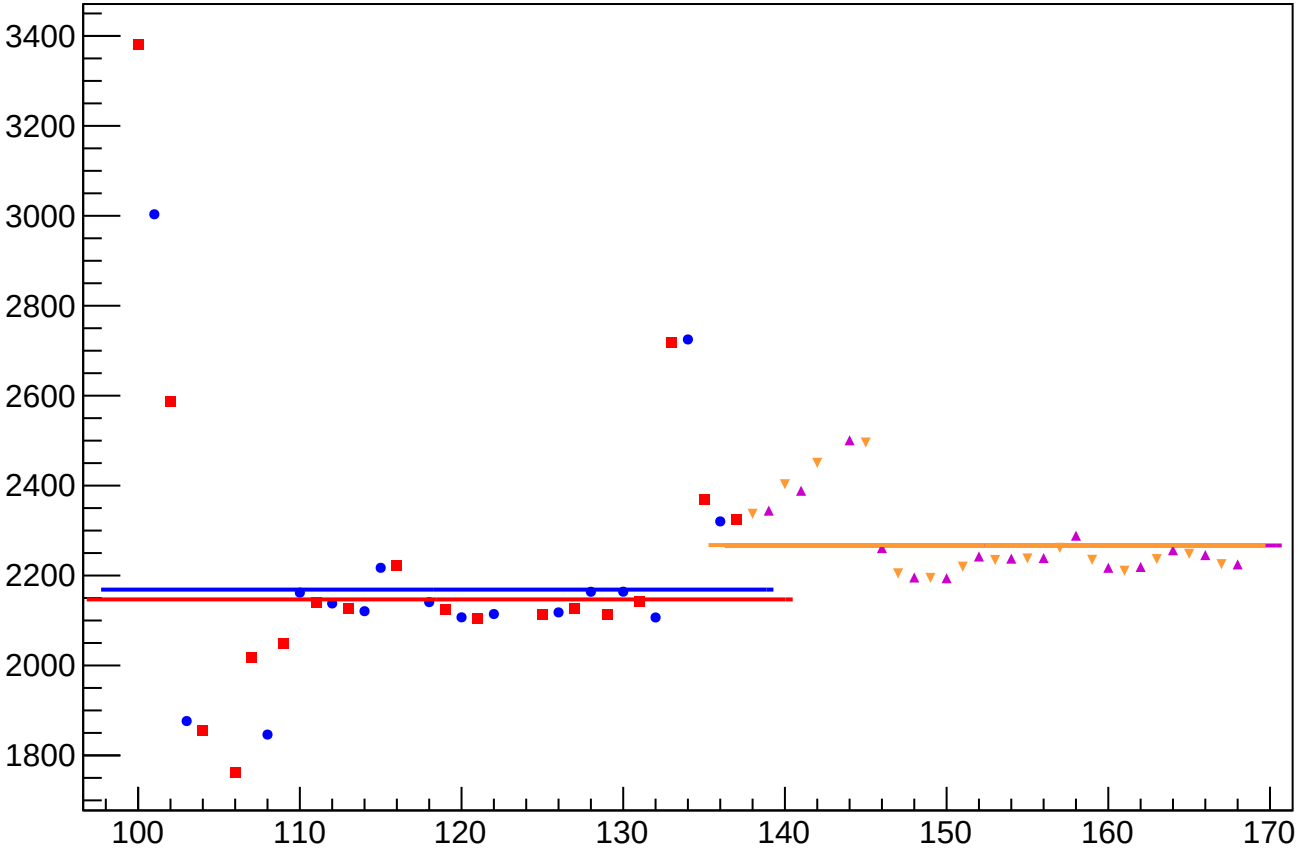
Left In: -5165.279+/-643.829 χ^2/NDF:11.3/14

+ sign 3419.944+/-512.302 χ^2/NDF: 42.6/30

All: -709.390+/-359.199 χ^2/NDF: 195.9/63

- sign -4702.383+/-503.774 χ^2/NDF: 25.6/32

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2267.736+/-0.467 χ^2/NDF:32314.8/14

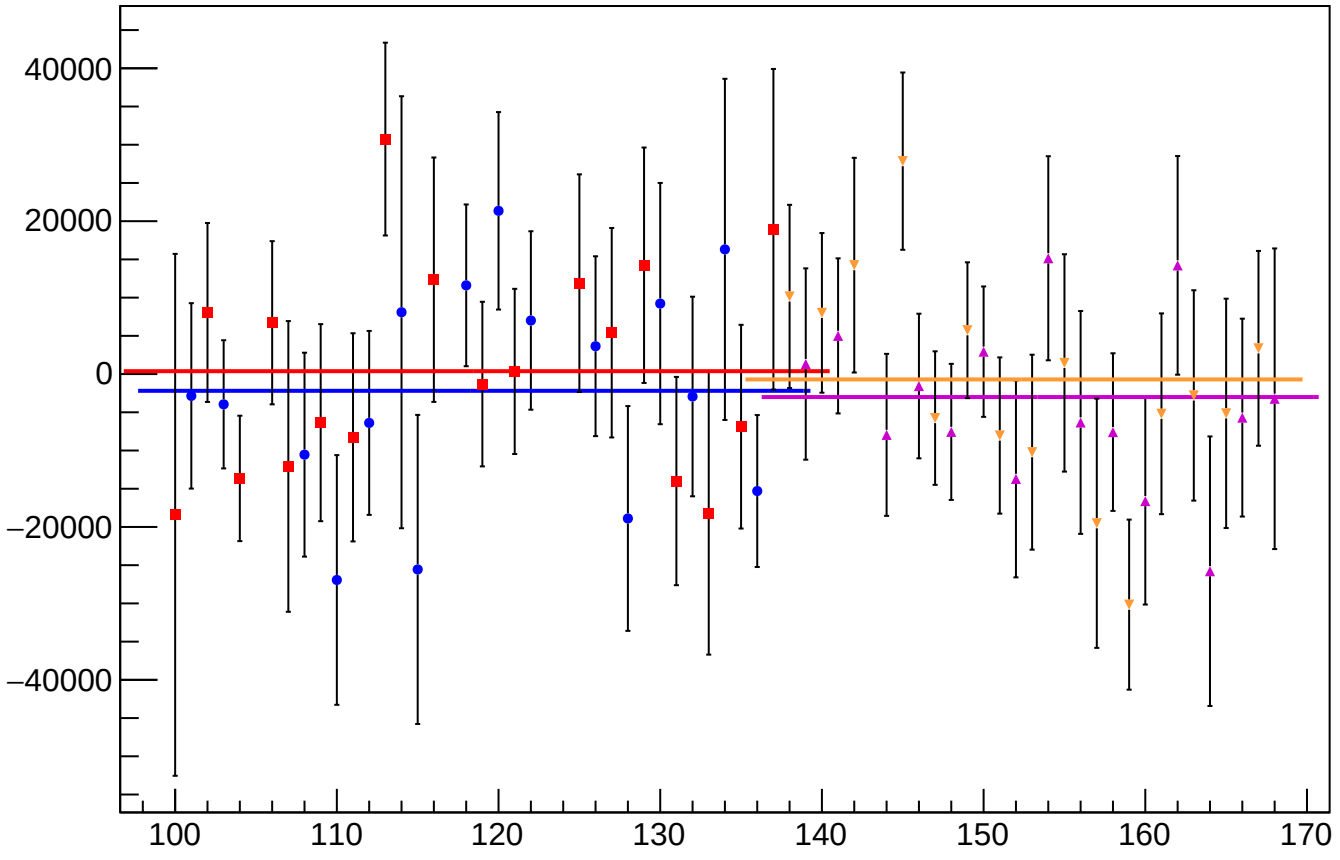
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2266.830+/-0.455 χ^2/NDF:29203.0/14

+ sign 2228.372+/-0.362 χ^2/NDF: 245869.8/30

All: 2224.128+/-0.254 χ^2/NDF: 460171.5/63

- sign 2220.039+/-0.356 χ^2/NDF: 214032.1/32



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -700.150+/-3034.231 χ^2/NDF:19.3/14

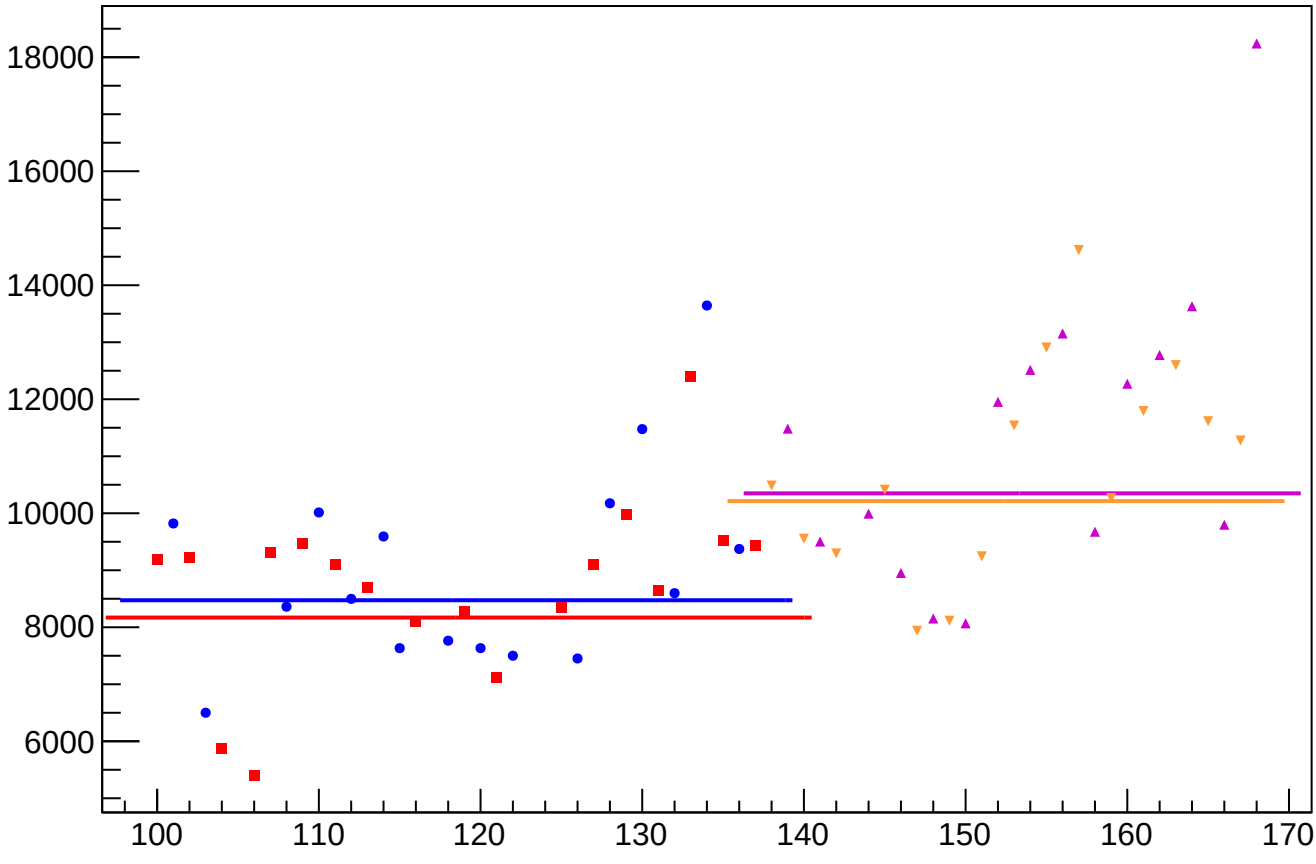
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -3005.012+/-3009.227 χ^2/NDF:8.7/14

+ sign -1403.161+/-2204.568 χ^2/NDF: 33.9/30

All: -1382.732+/-1542.577 χ^2/NDF: 59.5/63

- sign -1363.136+/-2159.207 χ^2/NDF: 25.6/32



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10213.151+/-2.146 χ^2/NDF:643199.5/14

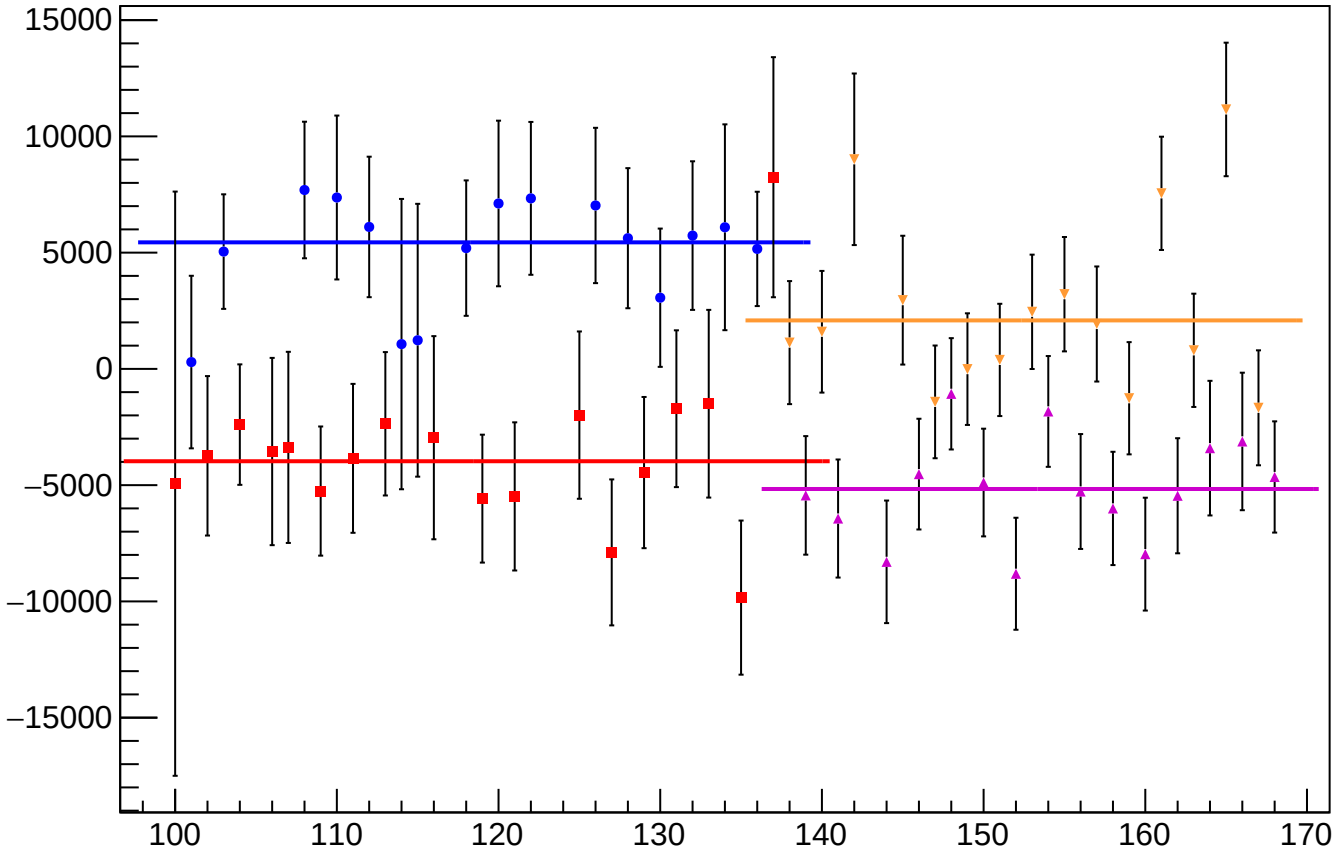
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10349.240+/-2.128 χ^2/NDF:1000101.2/14

+ sign 9391.972+/-1.559 χ^2/NDF: 1383039.7/30

All: 9340.942+/-1.091 χ^2/NDF: 3434025.5/63

- sign 9291.990+/-1.527 χ^2/NDF: 2048886.2/32



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2085.408+/-660.022 χ^2/NDF:26.9/14

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

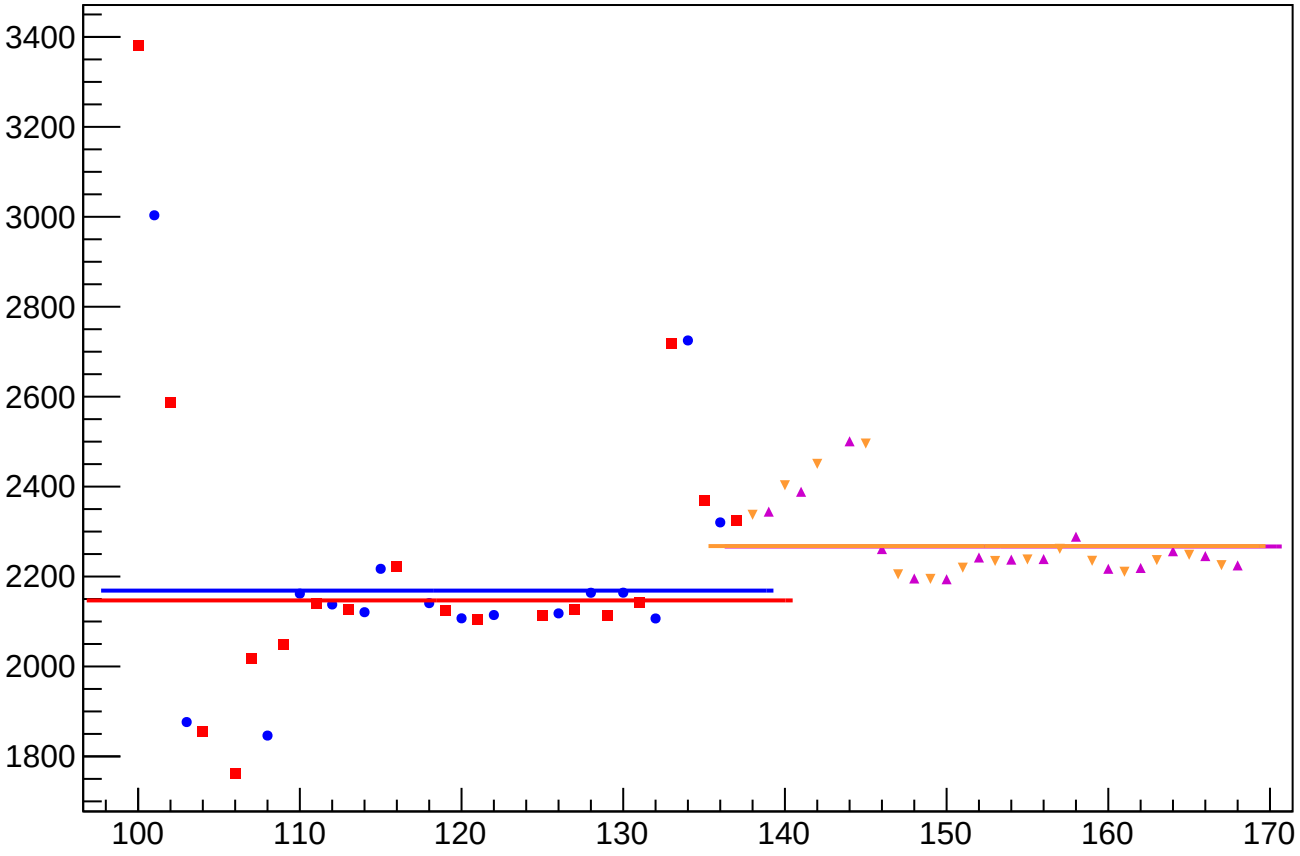
Left In: -5165.279+/-643.829 χ^2/NDF:11.3/14

+ sign 3419.944+/-512.302 χ^2/NDF: 42.6/30

All: -709.390+/-359.199 χ^2/NDF: 195.9/63

- sign -4702.383+/-503.774 χ^2/NDF: 25.6/32

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: 2267.736+/-0.467 χ^2/NDF:32314.8/14

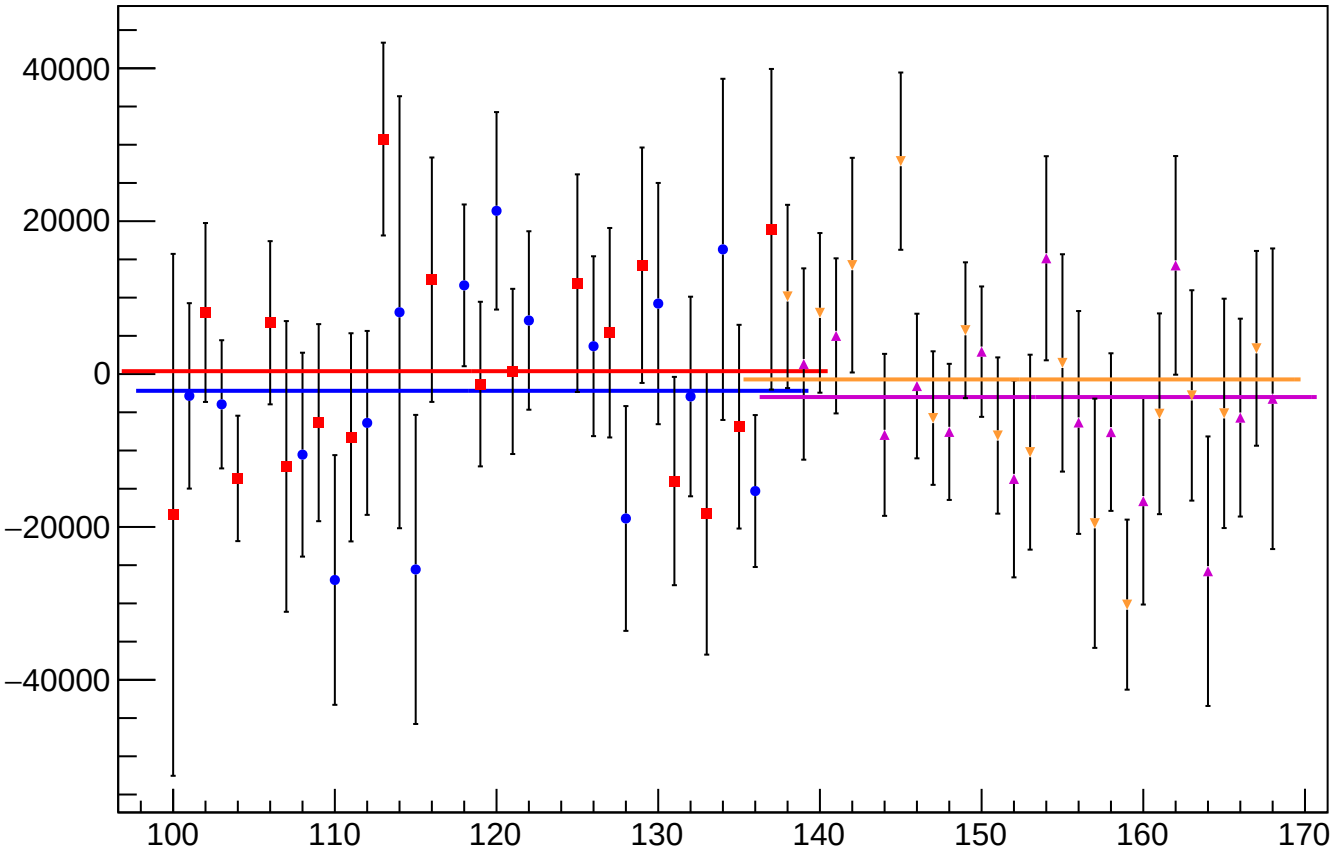
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2266.830+/-0.455 χ^2/NDF:29203.0/14

+ sign 2228.372+/-0.362 χ^2/NDF: 245869.8/30

All: 2224.128+/-0.254 χ^2/NDF: 460171.5/63

- sign 2220.039+/-0.356 χ^2/NDF: 214032.1/32



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -700.150+/-3034.231 χ^2/NDF:19.3/14

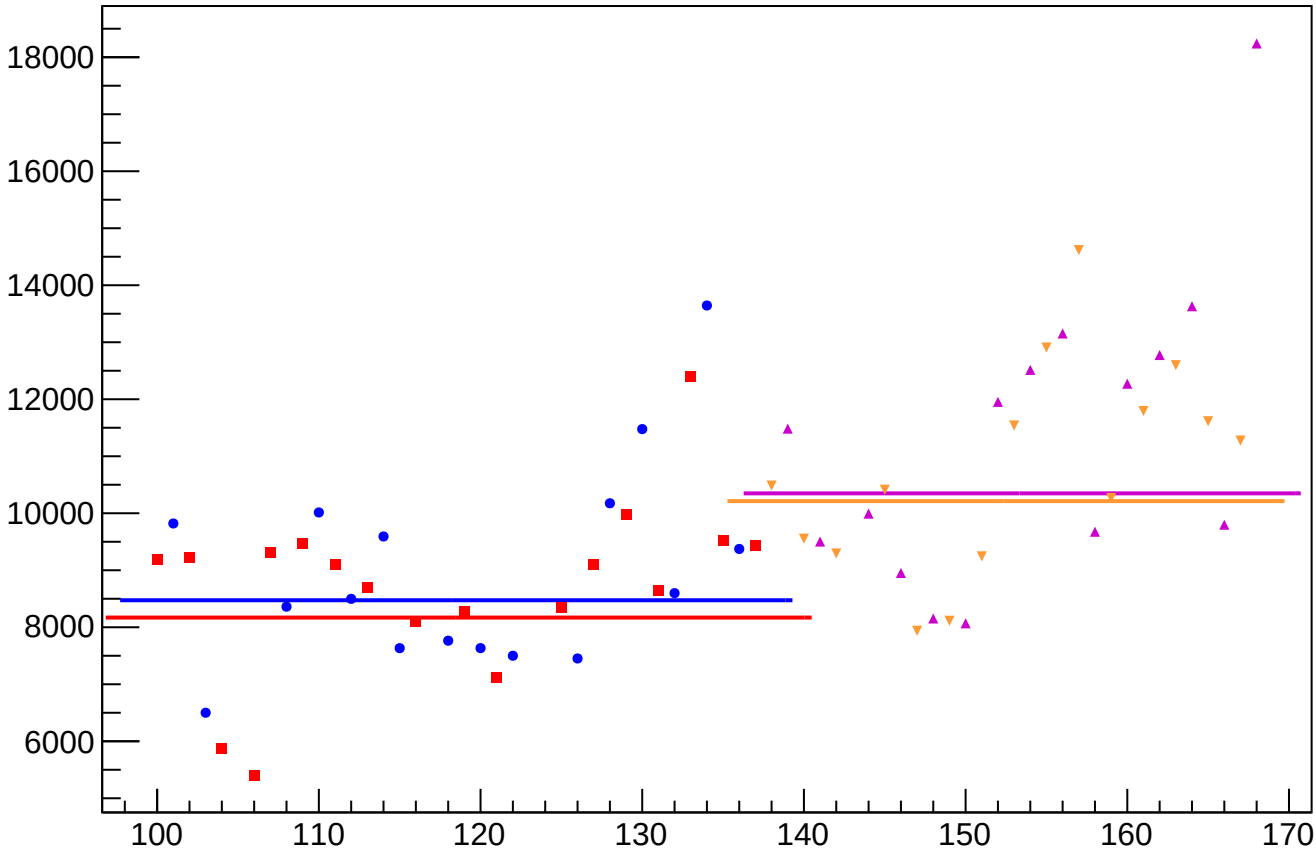
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -3005.012+/-3009.227 χ^2/NDF:8.7/14

+ sign -1403.161+/-2204.568 χ^2/NDF: 33.9/30

All: -1382.732+/-1542.577 χ^2/NDF: 59.5/63

- sign -1363.136+/-2159.207 χ^2/NDF: 25.6/32



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10213.151+/-2.146 χ^2/NDF:643199.5/14

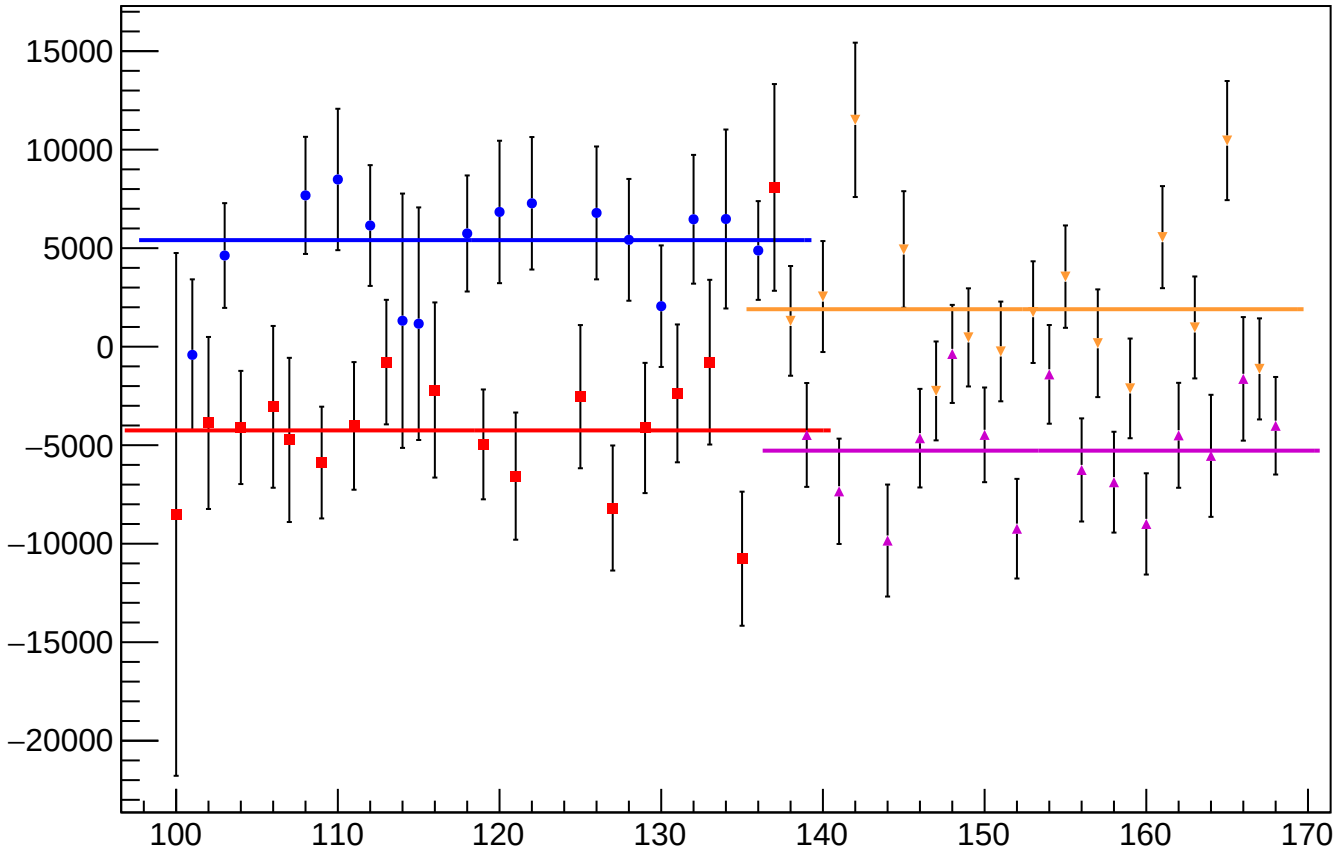
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10349.240+/-2.128 χ^2/NDF:1000101.2/14

+ sign 9391.972+/-1.559 χ^2/NDF: 1383039.7/30

All: 9340.942+/-1.091 χ^2/NDF: 3434025.5/63

- sign 9291.990+/-1.527 χ^2/NDF: 2048886.2/32



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1901.409+/-696.949 χ^2/NDF:25.8/14

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

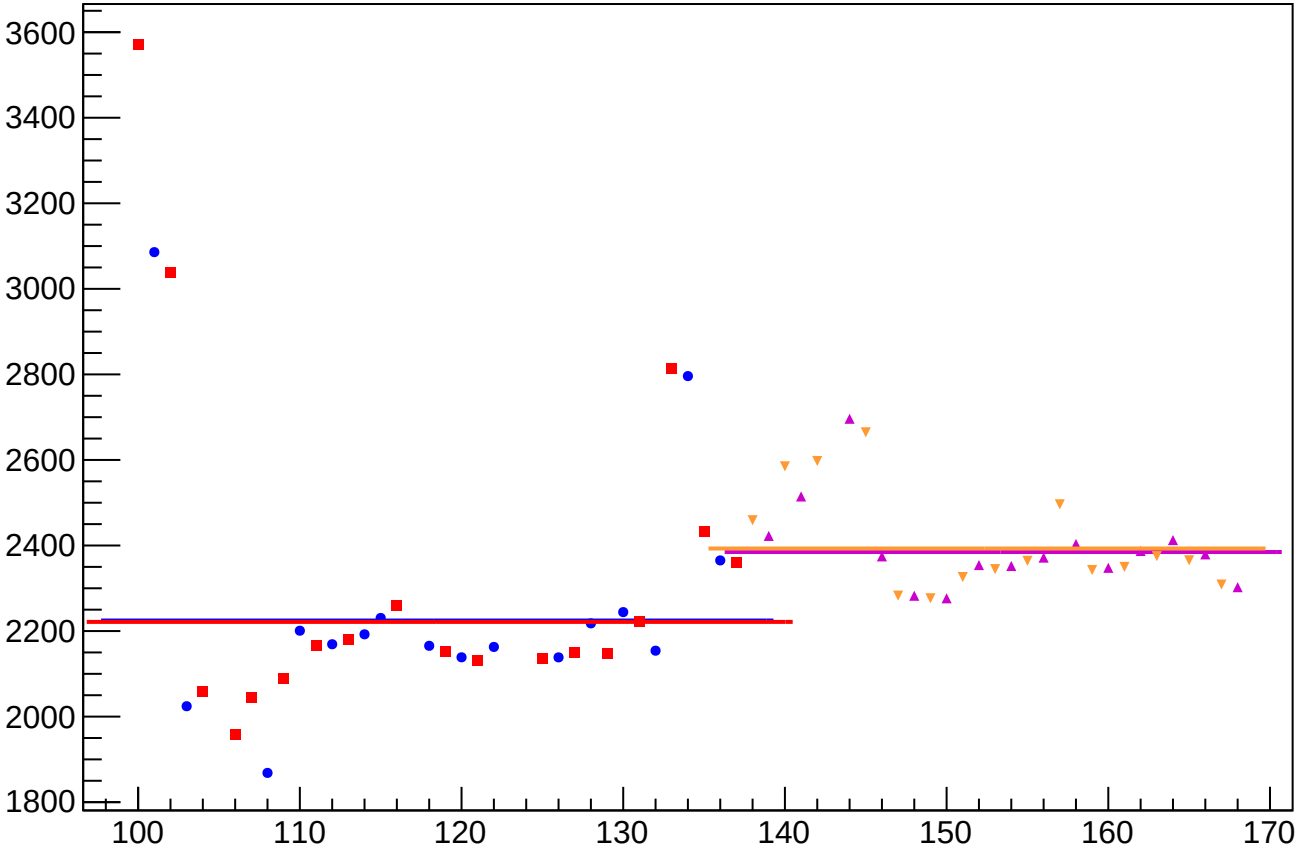
Left In: -5277.081+/-677.618 χ^2/NDF:16.5/14

+ sign 3343.869+/-534.714 χ^2/NDF: 42.9/30

All: -821.756+/-375.430 χ^2/NDF: 194.5/63

- sign -4871.764+/-527.241 χ^2/NDF: 31.9/32

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2392.960+/-0.493 χ^2/NDF:49902.5/14

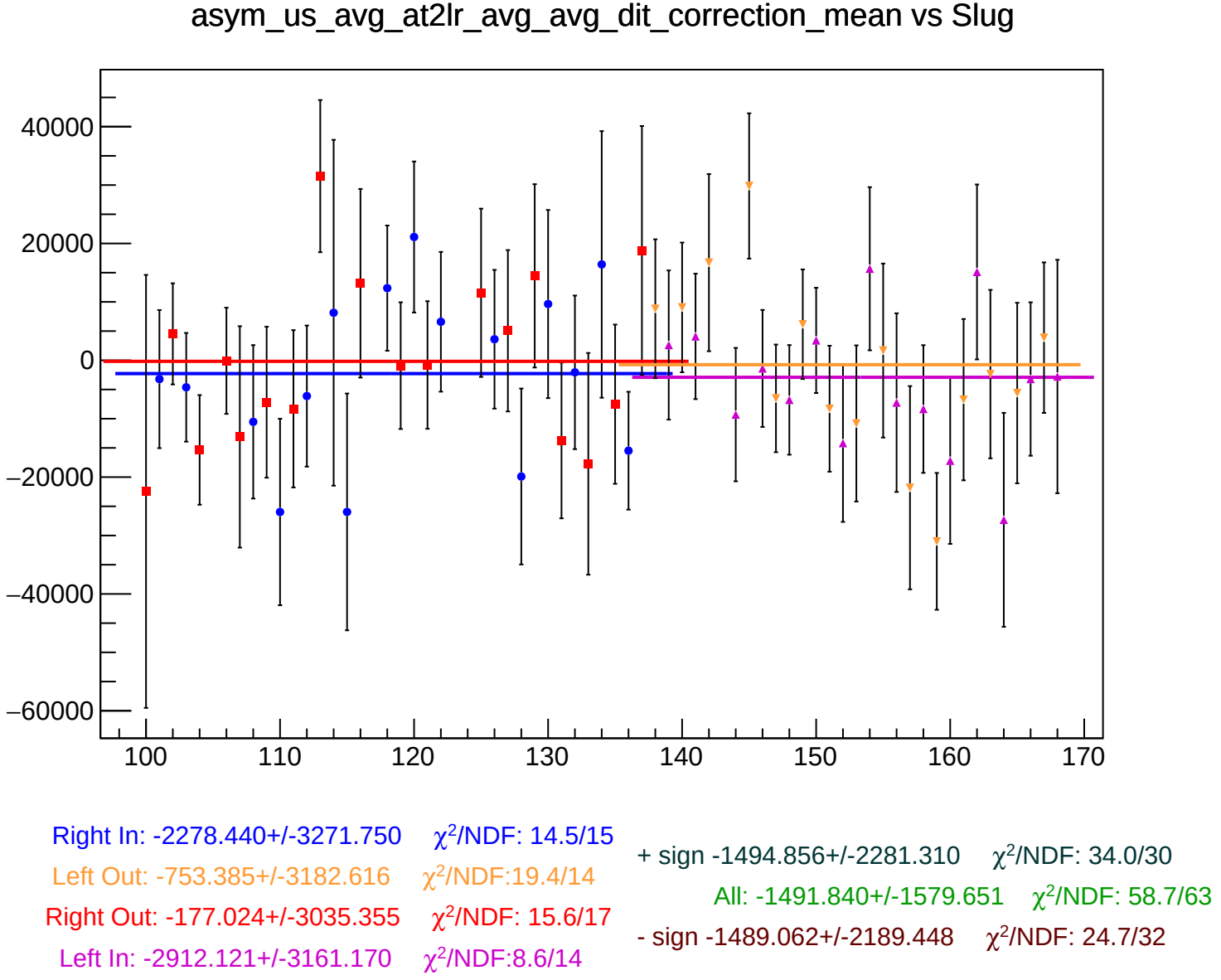
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

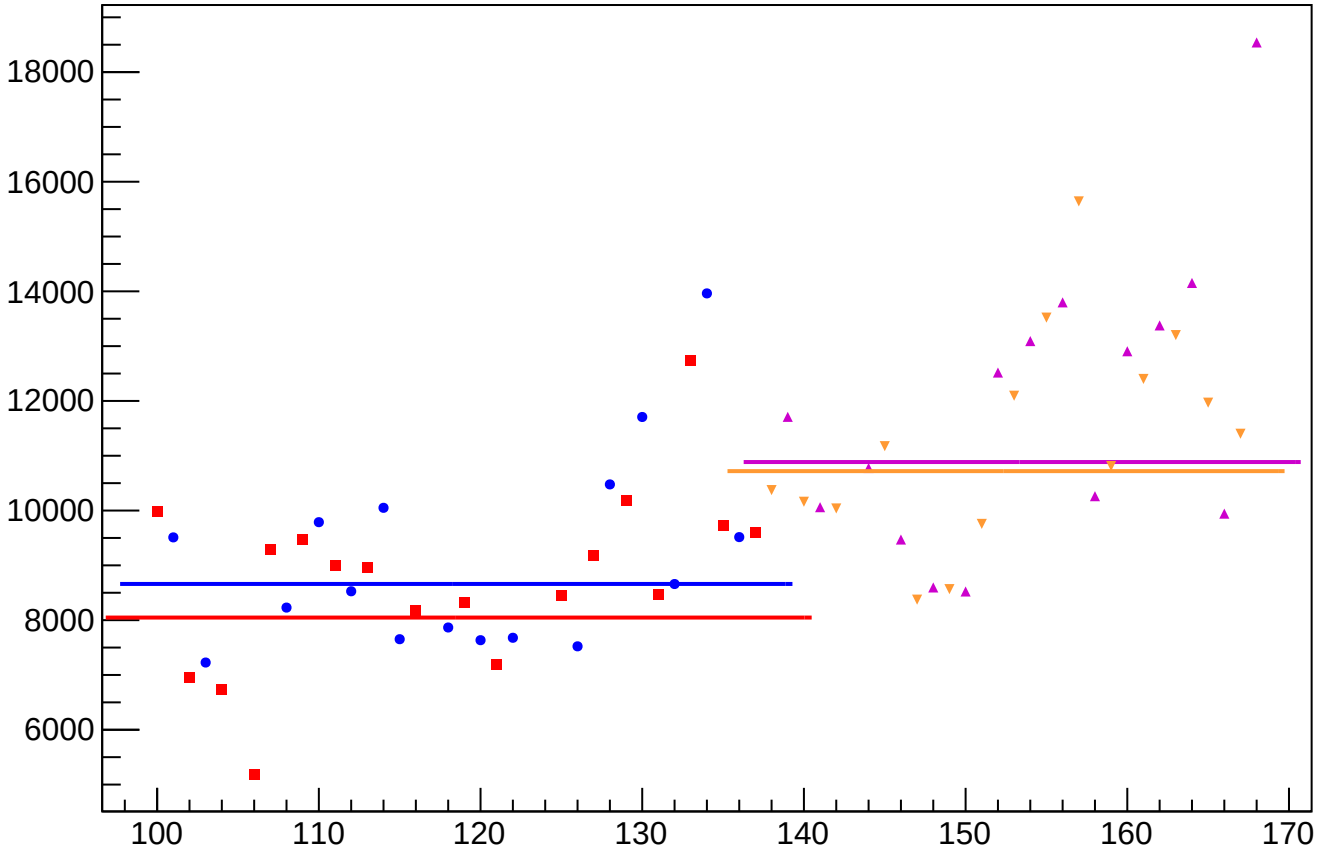
Left In: 2384.787+/-0.479 χ^2/NDF:40201.1/14

+ sign 2323.707+/-0.378 χ^2/NDF: 282585.6/30

All: 2321.968+/-0.265 χ^2/NDF: 538674.6/63

- sign 2320.278+/-0.373 χ^2/NDF: 256047.3/32


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug
40000
20000
0
−20000
−40000
−60000
100
110
120
130
140
150
160
170
Right In: -2278.440+/-3271.750 χ²/NDF: 14.5/15
Left Out: -753.385+/-3182.616 χ²/NDF:19.4/14
Right Out: -177.024+/-3035.355 χ²/NDF: 15.6/17
Left In: -2912.121+/-3161.170 χ²/NDF:8.6/14
+ sign -1494.856+/-2281.310 χ²/NDF: 34.0/30
All: -1491.840+/-1579.651 χ²/NDF: 58.7/63
- sign -1489.062+/-2189.448 χ²/NDF: 24.7/32



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10719.237+/-2.250 χ^2/NDF:624177.7/14

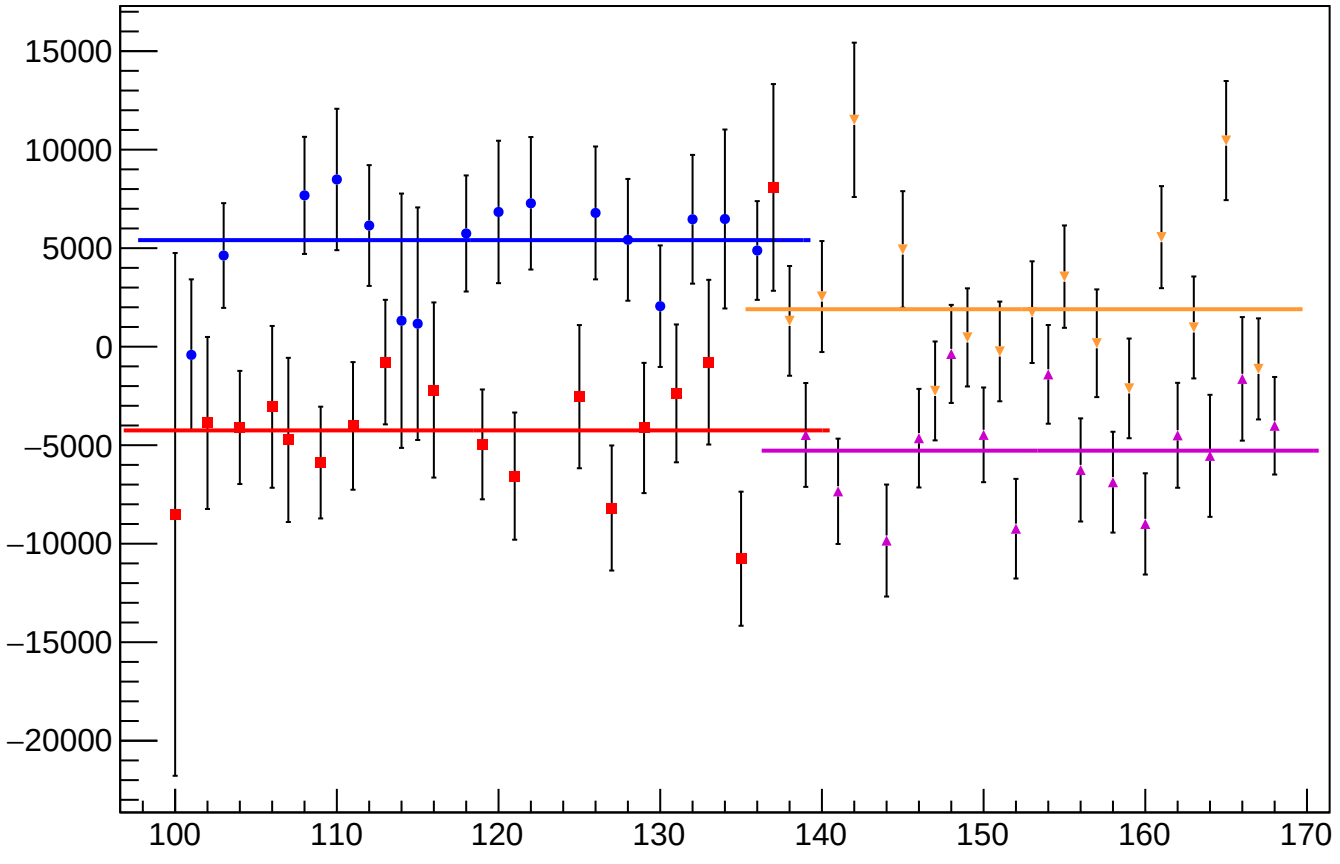
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10885.219+/-2.235 χ^2/NDF:938192.4/14

+ sign 9718.407+/-1.613 χ^2/NDF: 1388932.8/30

All: 9557.216+/-1.117 χ^2/NDF: 3743429.5/63

- sign 9408.745+/-1.548 χ^2/NDF: 2335314.9/32



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1901.390+/-696.950 χ^2/NDF:25.8/14

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

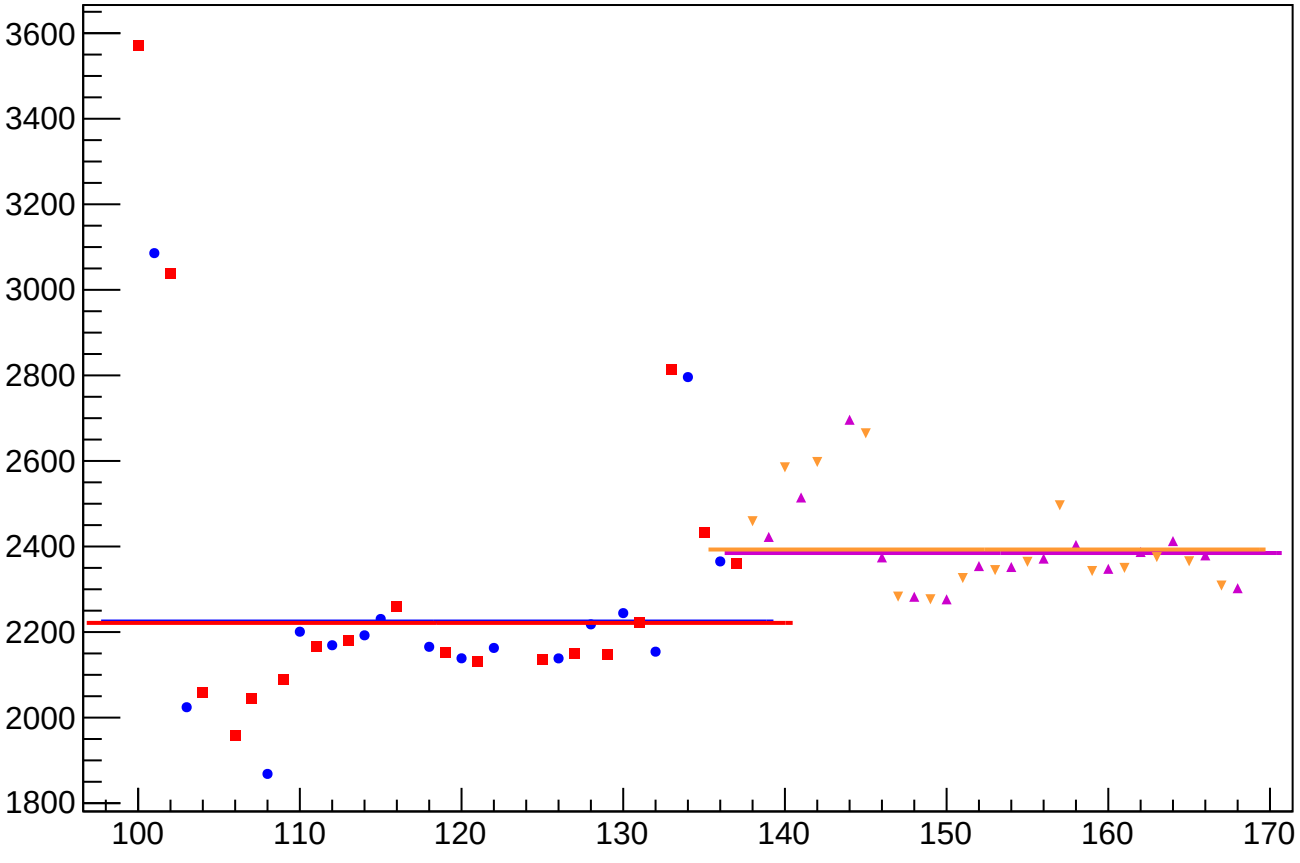
Left In: -5277.085+/-677.619 χ^2/NDF:16.5/14

+ sign 3343.861+/-534.714 χ^2/NDF: 42.9/30

All: -821.761+/-375.430 χ^2/NDF: 194.5/63

- sign -4871.767+/-527.242 χ^2/NDF: 31.9/32

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: 2392.964+/-0.493 χ^2/NDF:49903.1/14

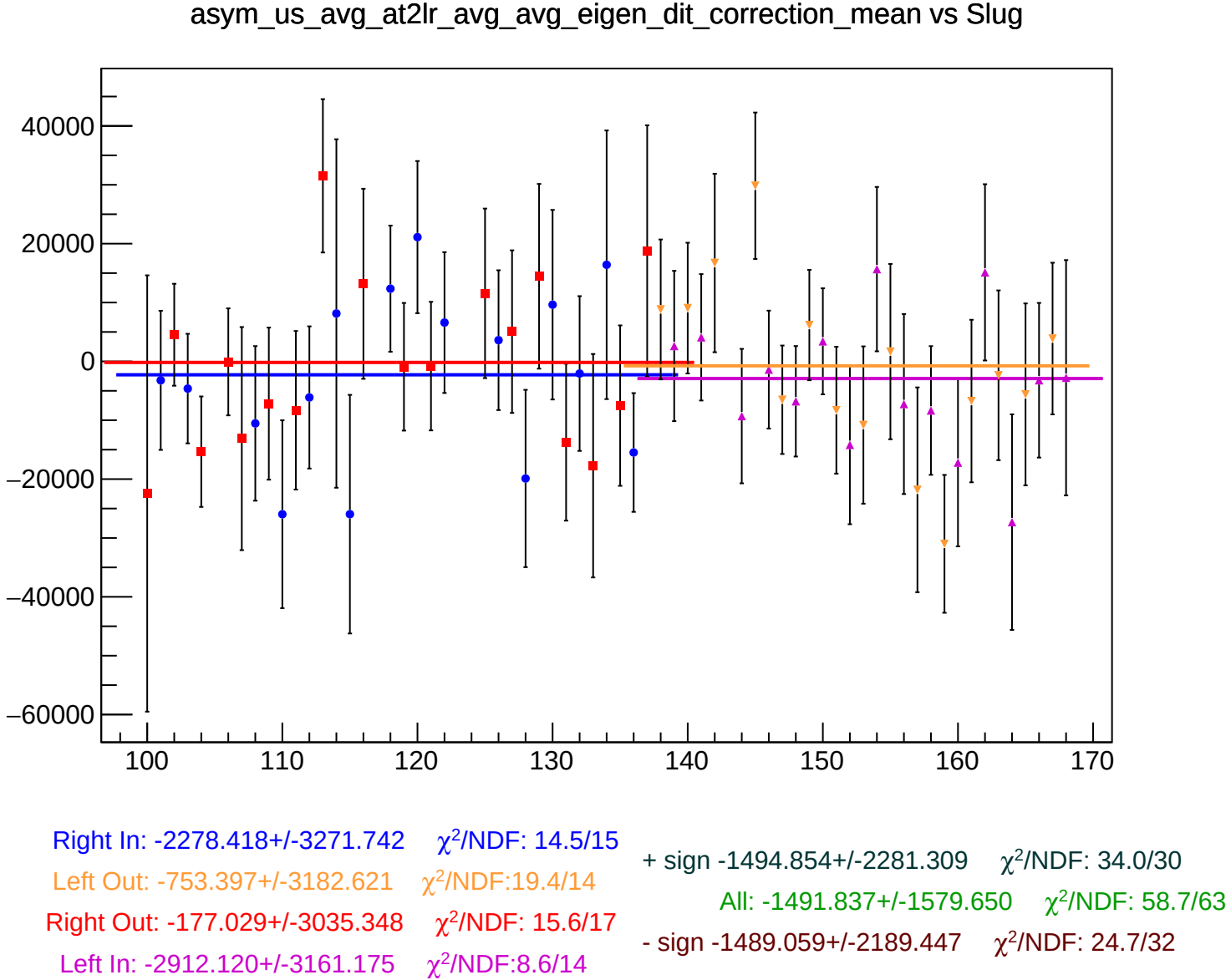
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

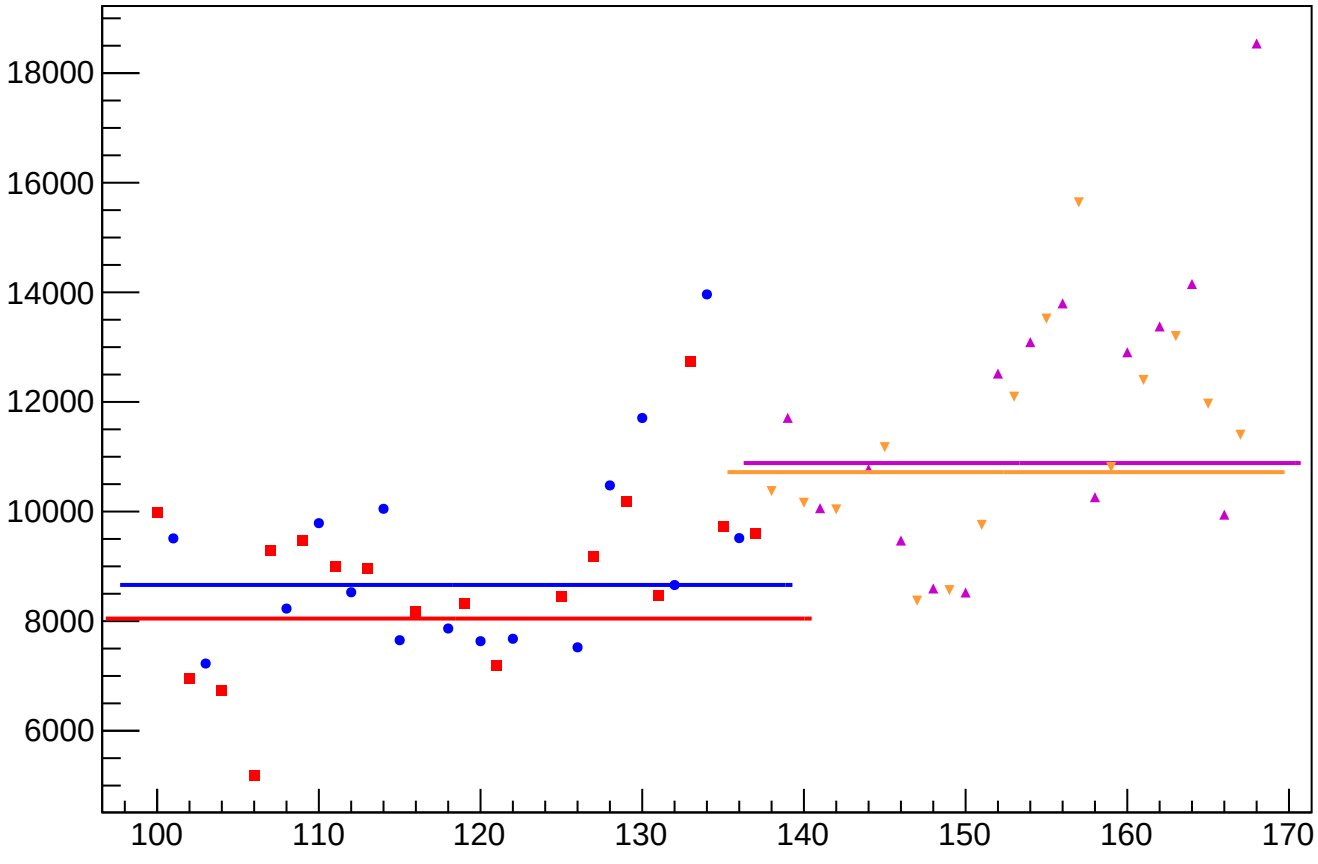
Left In: 2384.790+/-0.479 χ^2/NDF:40201.4/14

+ sign 2323.709+/-0.378 χ^2/NDF: 282588.9/30

All: 2321.970+/-0.265 χ^2/NDF: 538680.6/63

- sign 2320.279+/-0.373 χ^2/NDF: 256050.0/32


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug
40000
20000
0
−20000
−40000
−60000
100
110
120
130
140
150
160
170
Right In: -2278.418+/-3271.742 χ²/NDF: 14.5/15
Left Out: -753.397+/-3182.621 χ²/NDF:19.4/14
Right Out: -177.029+/-3035.348 χ²/NDF: 15.6/17
Left In: -2912.120+/-3161.175 χ²/NDF:8.6/14
+ sign -1494.854+/-2281.309 χ²/NDF: 34.0/30
All: -1491.837+/-1579.650 χ²/NDF: 58.7/63
- sign -1489.059+/-2189.447 χ²/NDF: 24.7/32



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10719.254+/-2.250 χ^2/NDF:624180.1/14

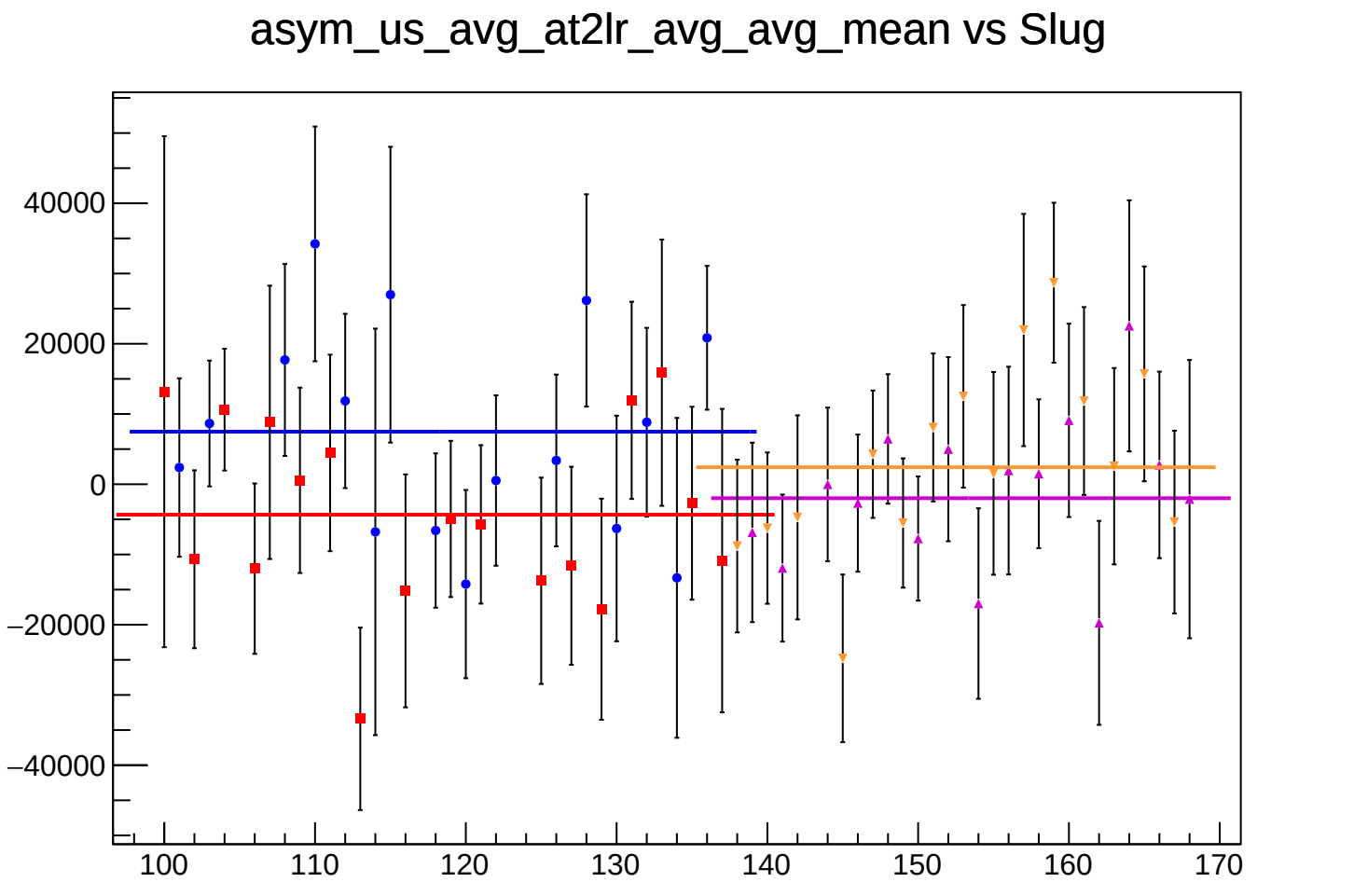
Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10885.236+/-2.235 χ^2/NDF:938194.0/14

+ sign 9718.401+/-1.613 χ^2/NDF: 1388952.6/30

All: 9557.210+/-1.117 χ^2/NDF: 3743470.0/63

- sign 9408.738+/-1.548 χ^2/NDF: 2335335.4/32



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 2421.129+/-3116.607 χ^2/NDF:16.9/14

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

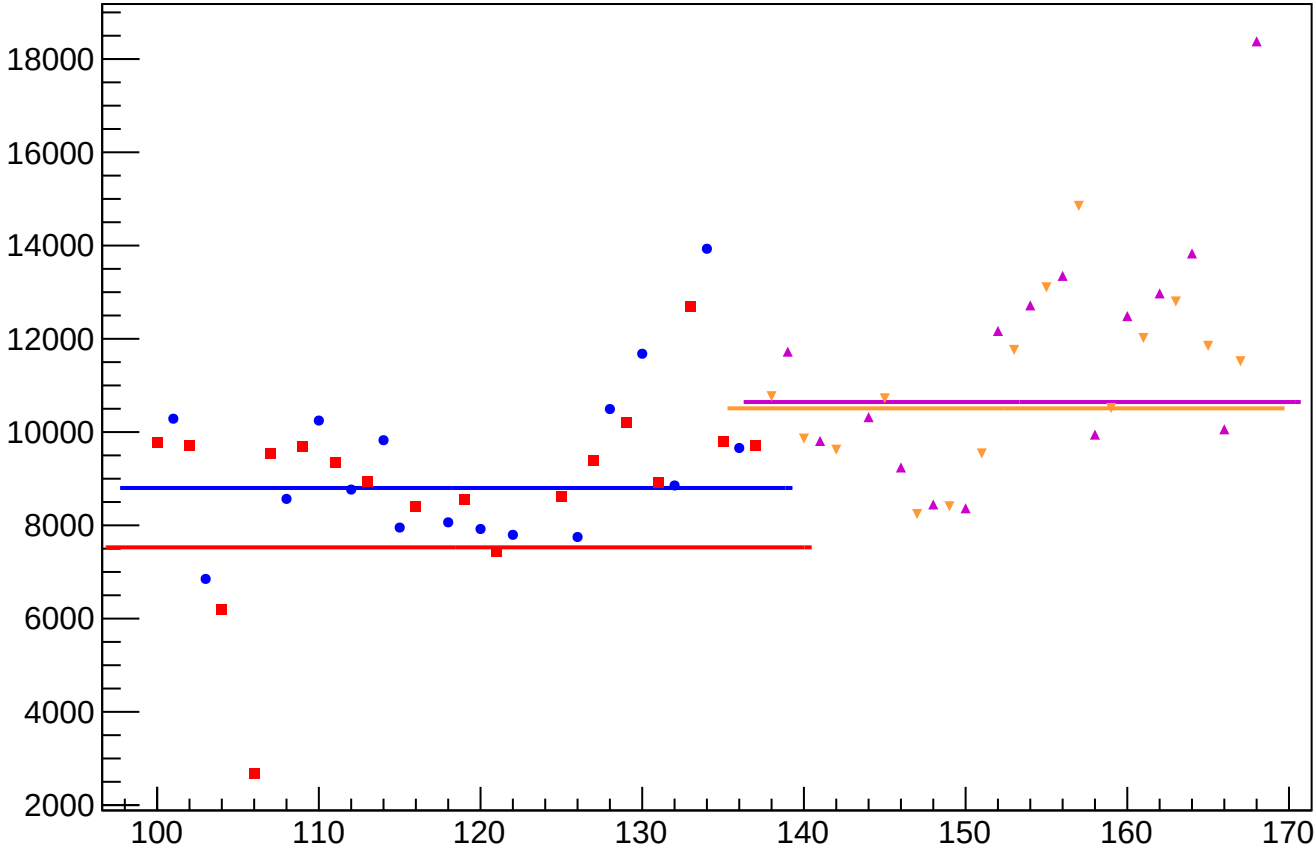
Left In: -1989.419+/-3089.388 χ^2/NDF:8.2/14

+ sign 4783.425+/-2275.768 χ^2/NDF: 32.2/30

All: 769.976+/-1595.232 χ^2/NDF: 61.1/63

- sign -3106.986+/-2236.737 χ^2/NDF: 22.8/32

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10508.977+/-2.204 χ^2/NDF:590148.2/14

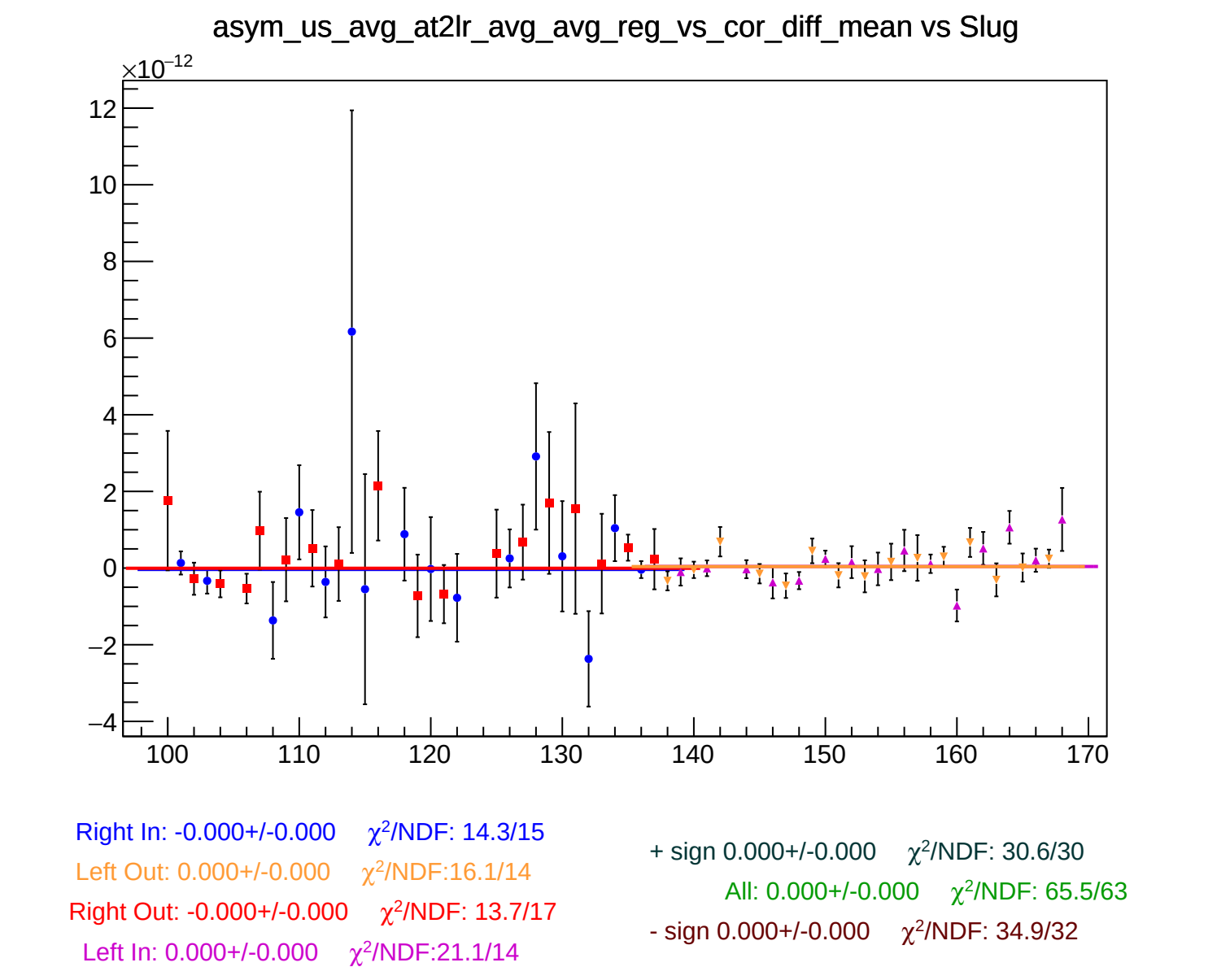
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

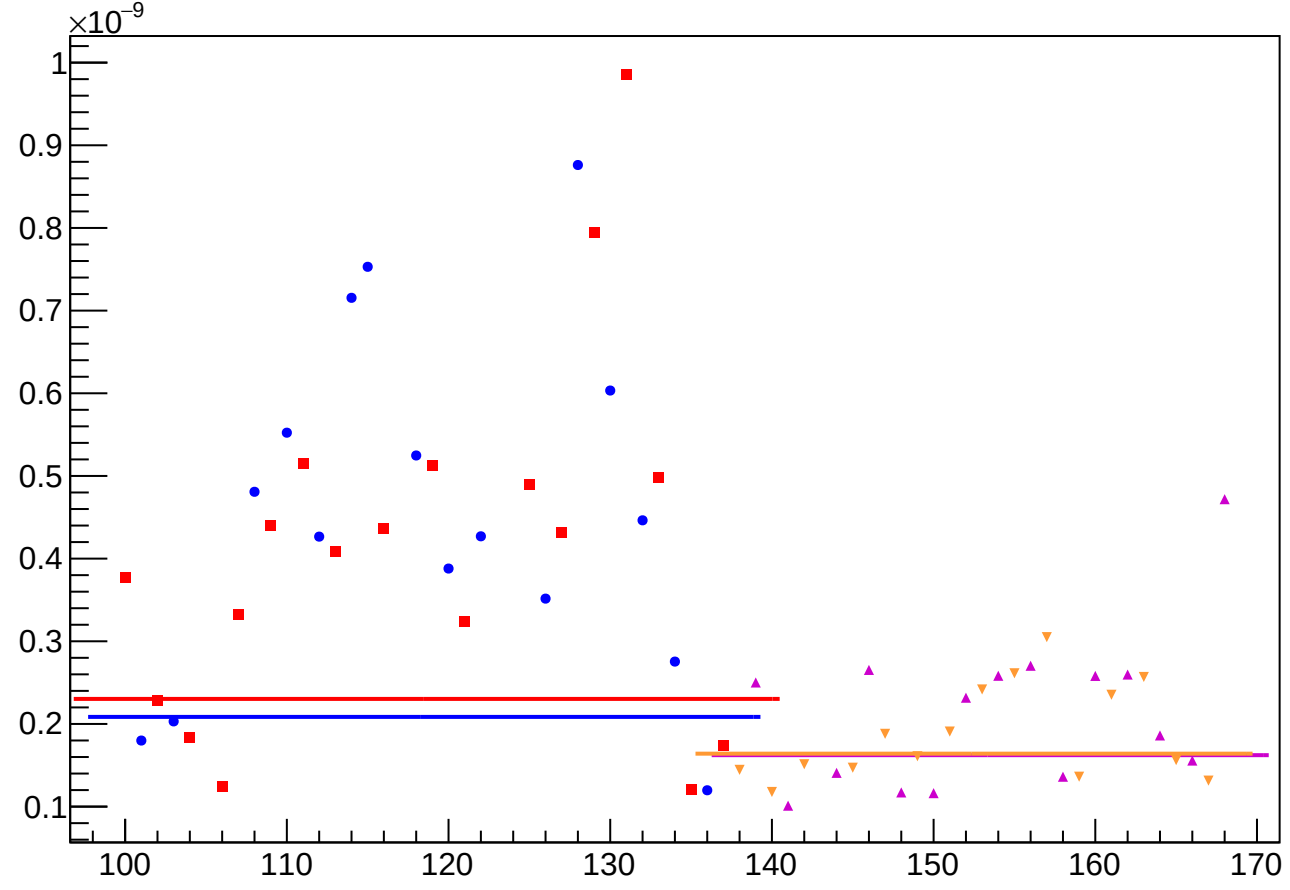
Left In: 10644.672+/-2.185 χ^2/NDF:925465.7/14

+ sign 9711.722+/-1.609 χ^2/NDF: 1265089.8/30

All: 9360.669+/-1.107 χ^2/NDF: 4982549.5/63

- sign 9045.626+/-1.524 χ^2/NDF: 3627159.6/32


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: 0.000+/-0.000 χ²/NDF:16.1/14
Right Out: -0.000+/-0.000 χ²/NDF: 13.7/17
Left In: 0.000+/-0.000 χ²/NDF:21.1/14
+ sign 0.000+/-0.000 χ²/NDF: 30.6/30
All: 0.000+/-0.000 χ²/NDF: 65.5/63
- sign 0.000+/-0.000 χ²/NDF: 34.9/32



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:633586.2/14

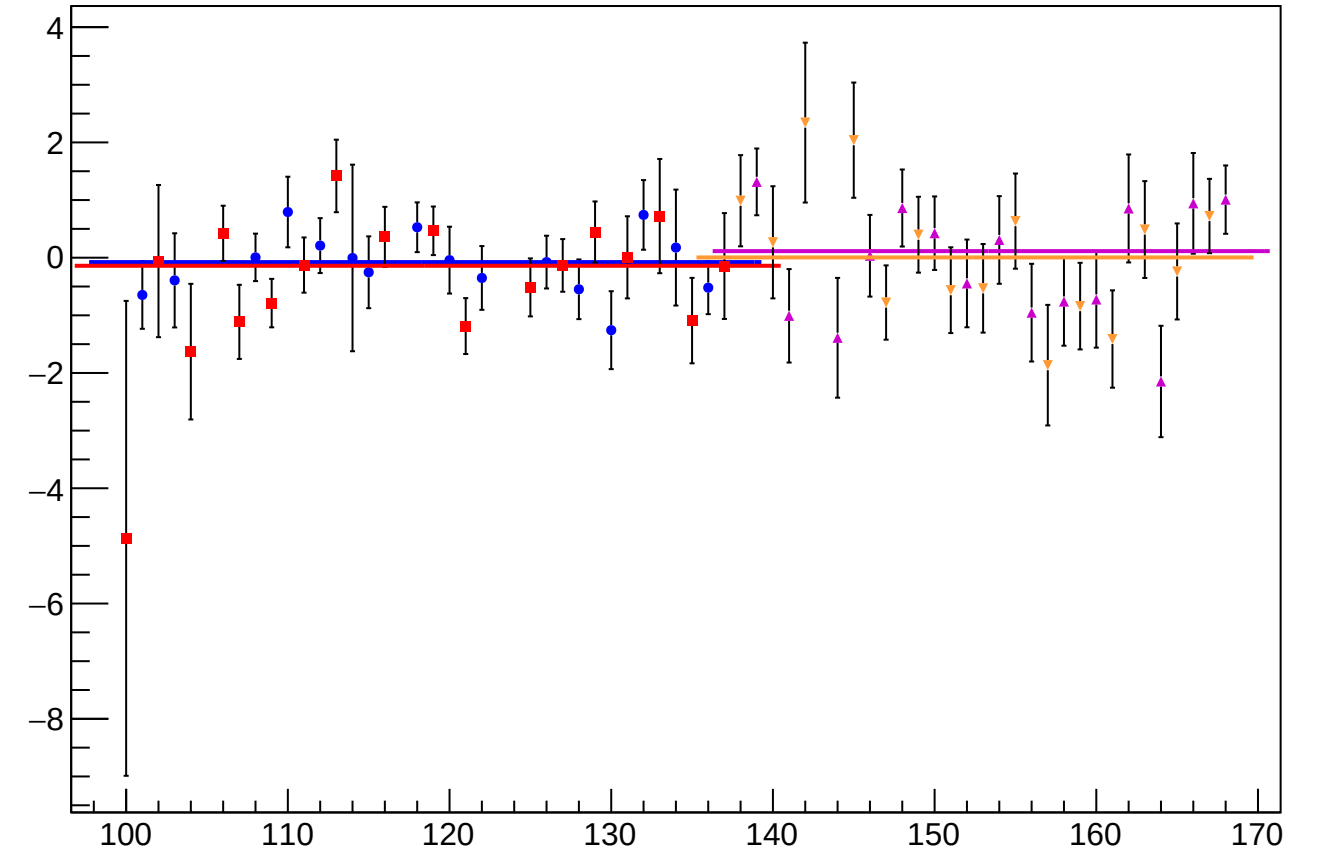
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1371163.7/14

+ sign 0.000+/-0.000 χ^2/NDF: 2415068.2/30

All: 0.000+/-0.000 χ^2/NDF: 5648700.9/63

- sign 0.000+/-0.000 χ^2/NDF: 3233256.7/32



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.004+/-0.208 χ^2/NDF:21.0/14

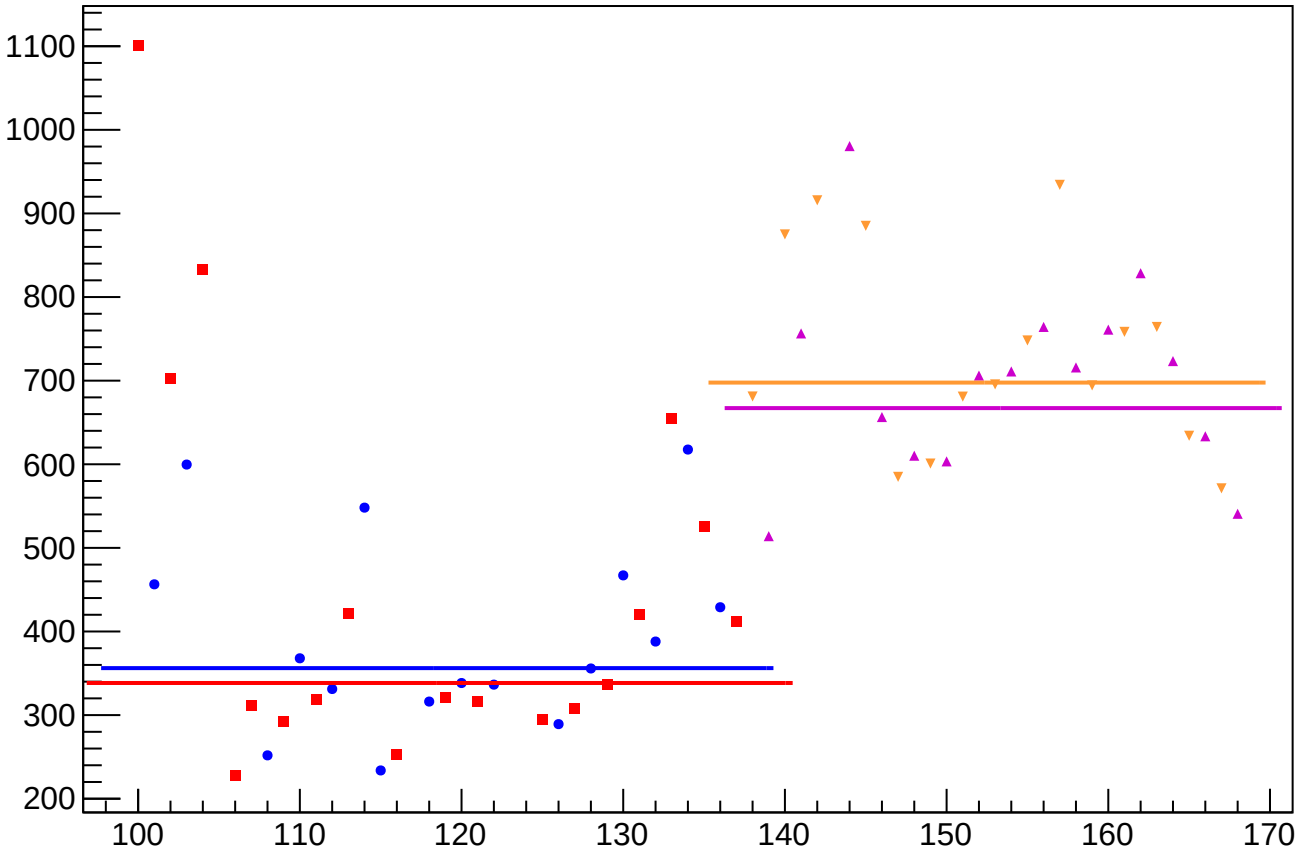
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.114+/-0.194 χ^2/NDF:23.6/14

+ sign -0.051+/-0.116 χ^2/NDF: 33.6/30

All: -0.053+/-0.081 χ^2/NDF: 85.3/63

- sign -0.055+/-0.113 χ^2/NDF: 51.7/32



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 697.696+/-0.147 χ^2/NDF:513908.1/14

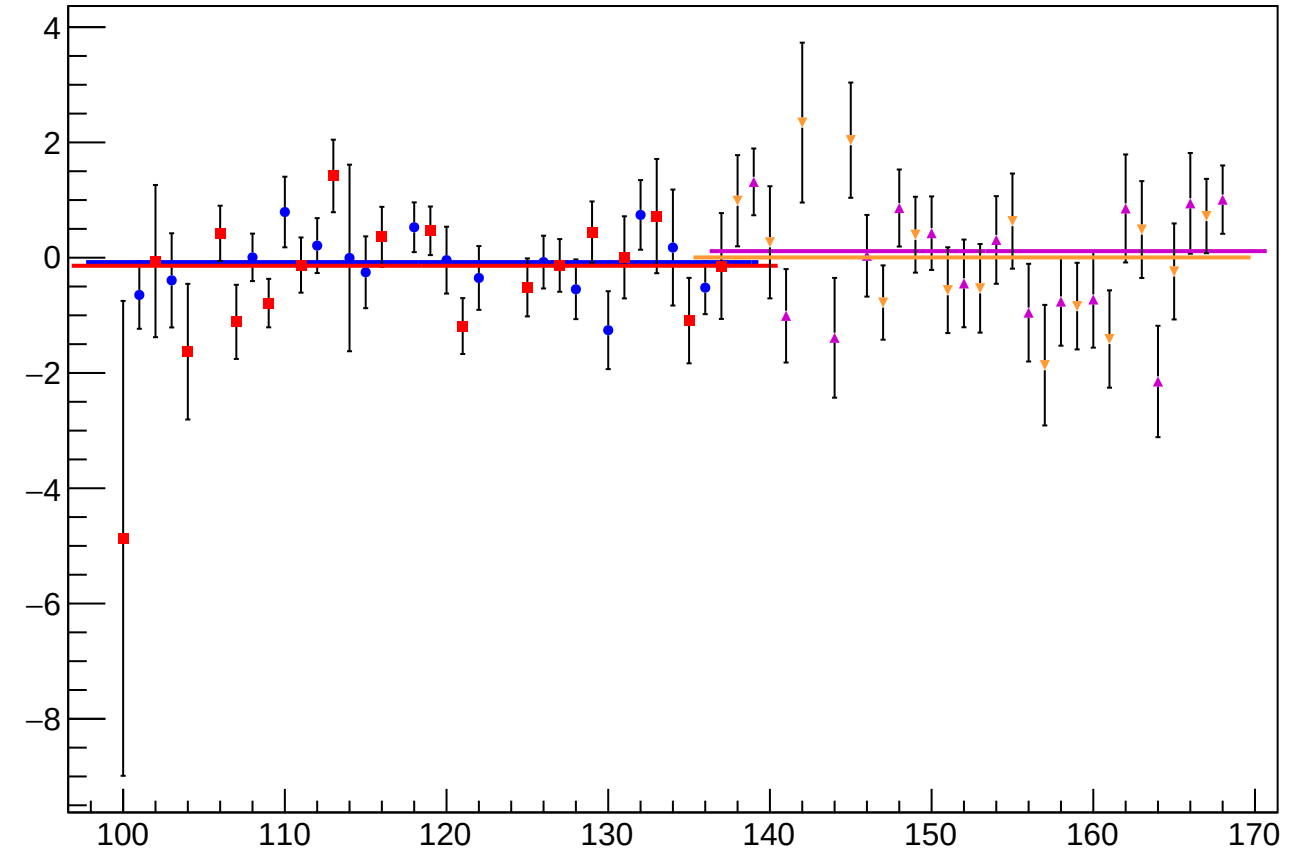
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 667.178+/-0.137 χ^2/NDF:612397.2/14

+ sign 462.869+/-0.082 χ^2/NDF: 5021808.8/30

All: 455.498+/-0.057 χ^2/NDF: 10658058.9/63

- sign 448.565+/-0.080 χ^2/NDF: 5620581.8/32



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.004+/-0.208 χ^2/NDF:21.0/14

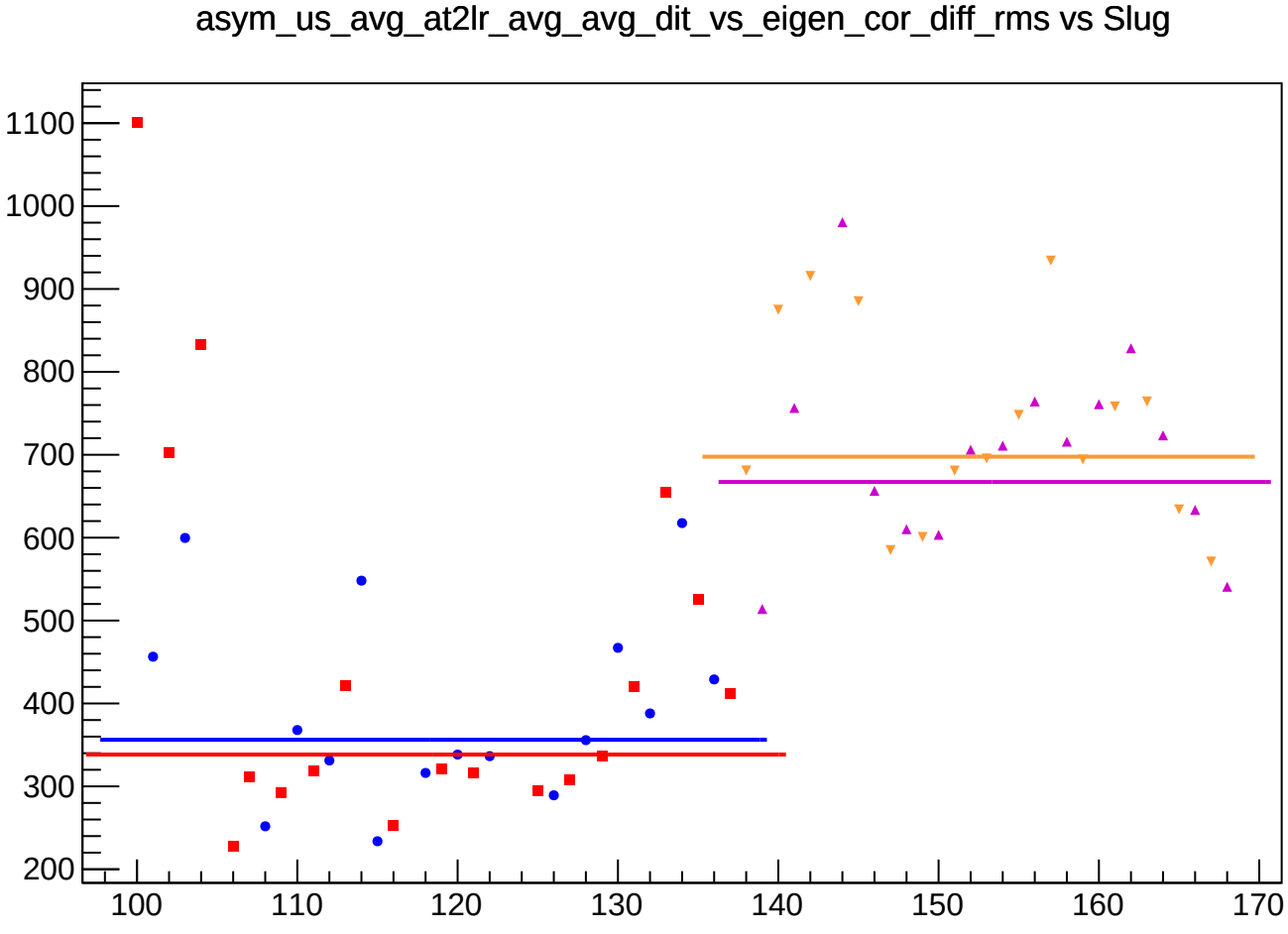
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.114+/-0.194 χ^2/NDF:23.6/14

+ sign -0.051+/-0.116 χ^2/NDF: 33.6/30

All: -0.053+/-0.081 χ^2/NDF: 85.3/63

- sign -0.055+/-0.113 χ^2/NDF: 51.7/32



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 697.696+/-0.147 χ^2/NDF:513908.1/14

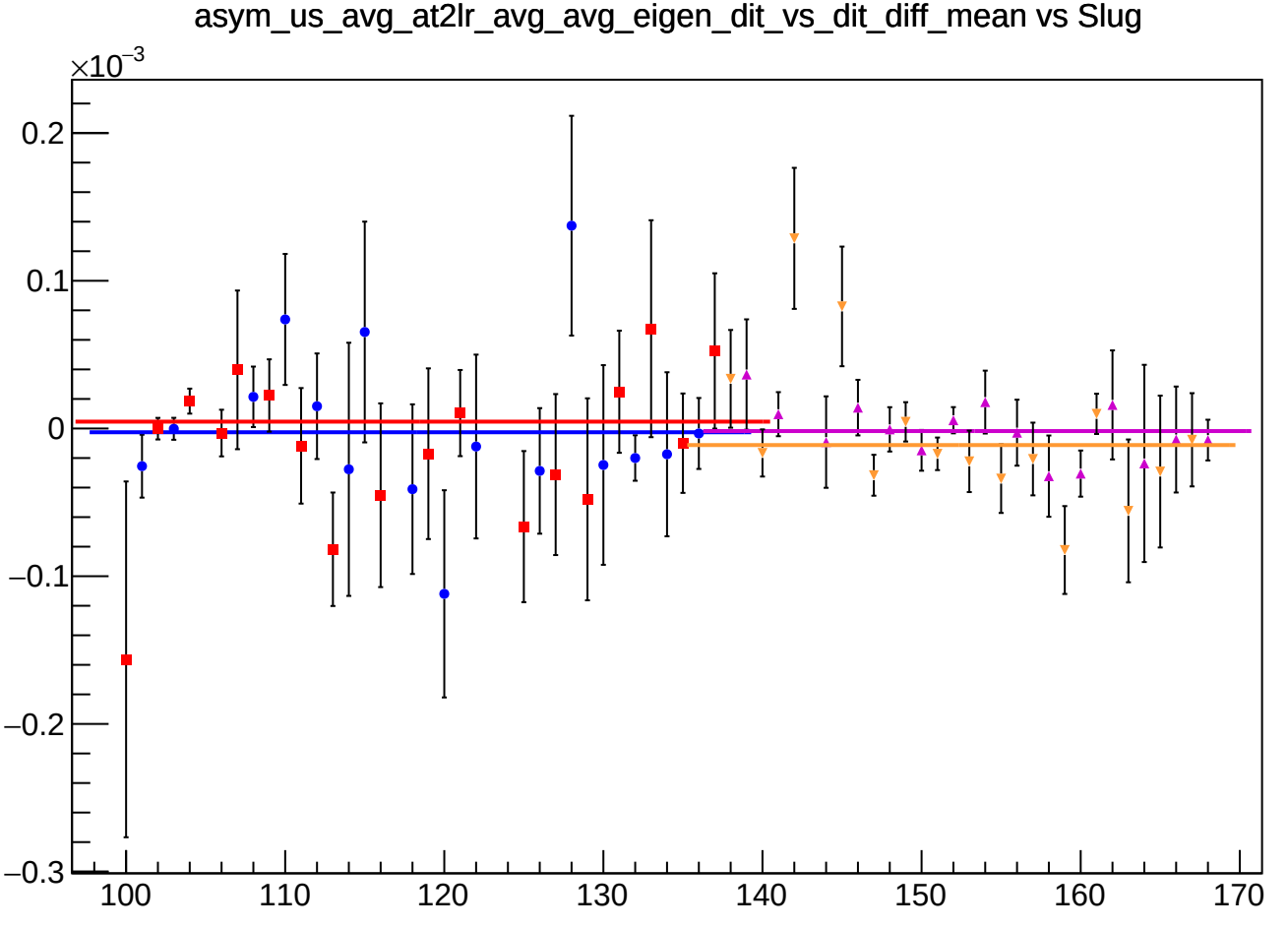
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 667.178+/-0.137 χ^2/NDF:612397.2/14

+ sign 462.869+/-0.082 χ^2/NDF: 5021808.8/30

All: 455.498+/-0.057 χ^2/NDF: 10658058.9/63

- sign 448.565+/-0.080 χ^2/NDF: 5620581.8/32



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/14

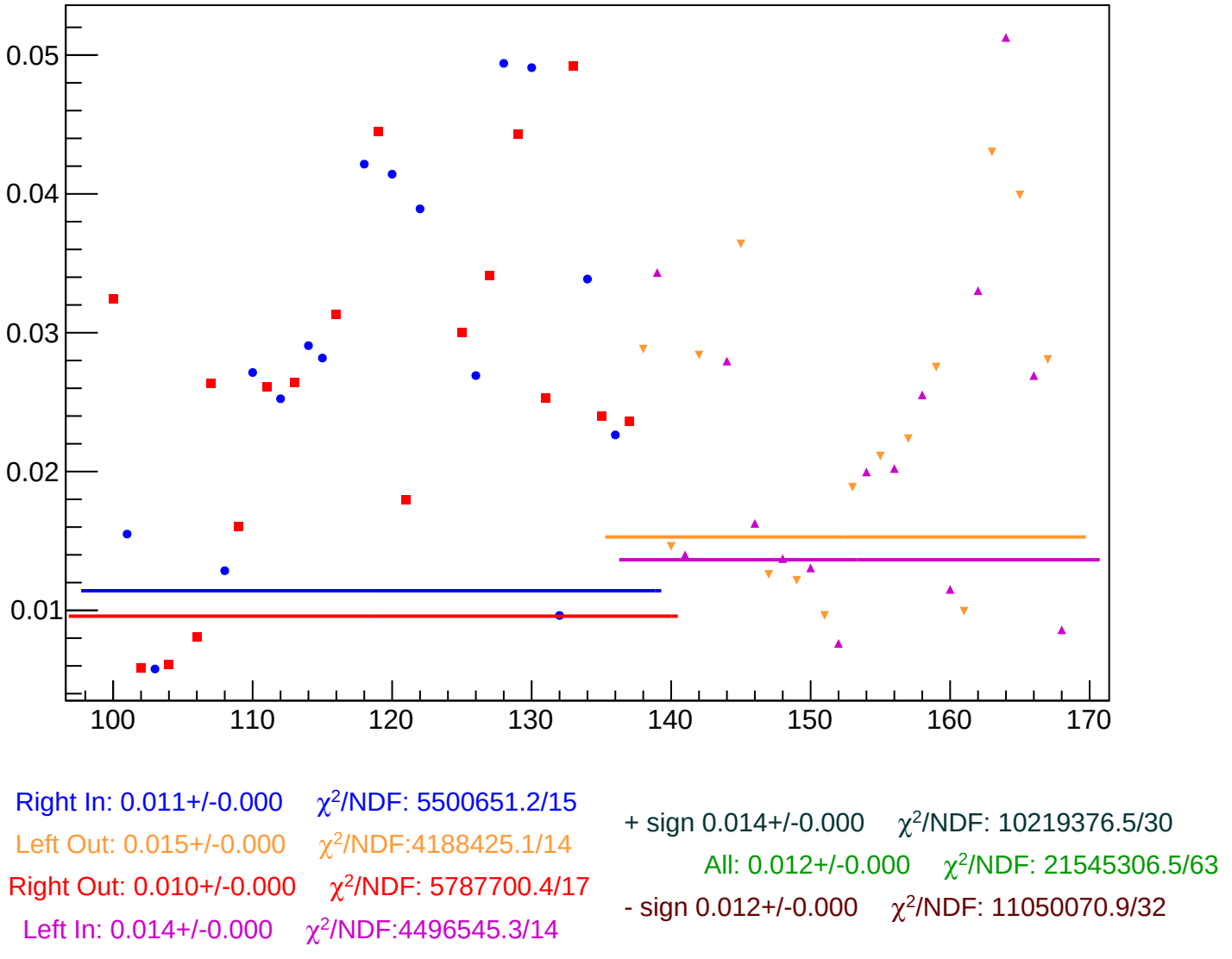
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

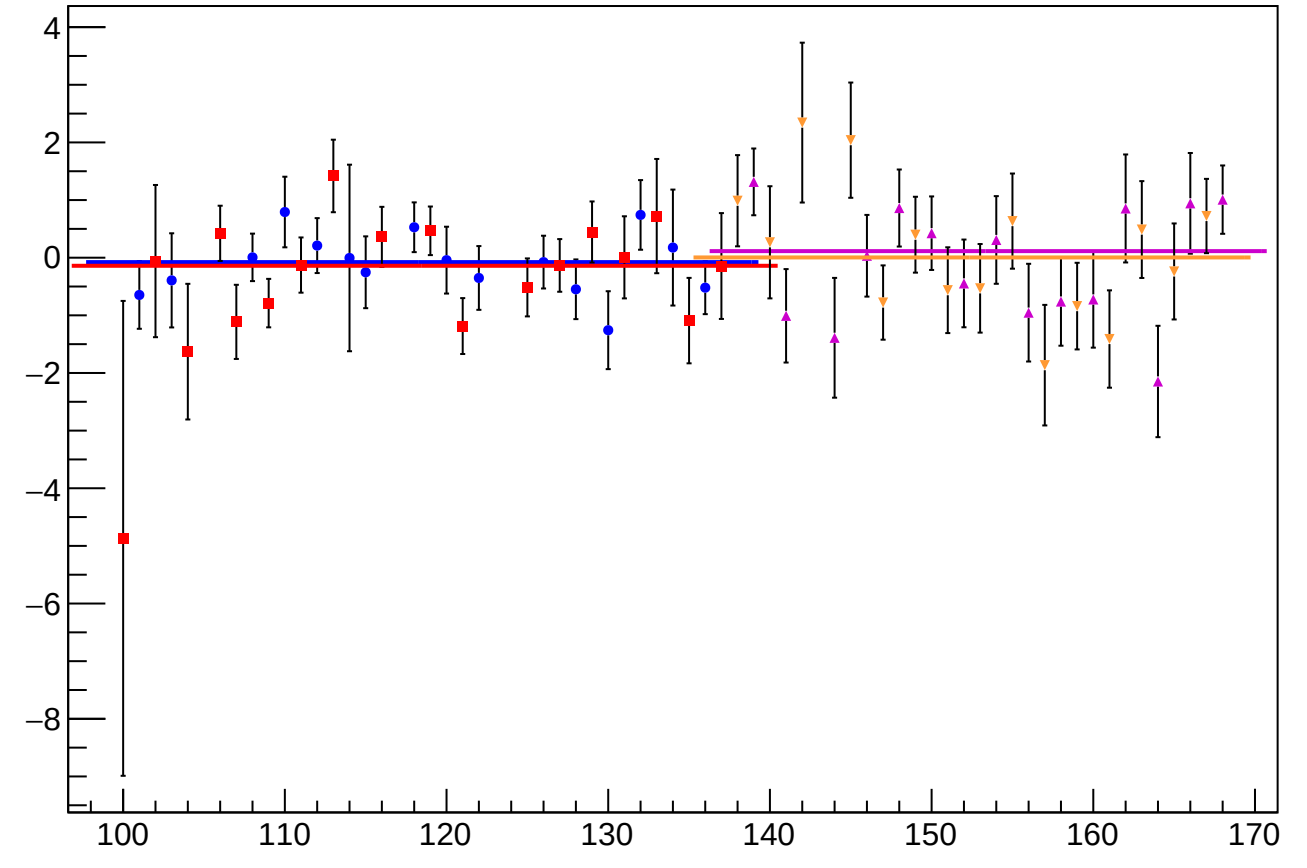
Left In: -0.000+/-0.000 χ^2/NDF:10.0/14

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/30

All: -0.000+/-0.000 χ^2/NDF: 77.7/63

- sign 0.000+/-0.000 χ^2/NDF: 28.1/32


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
Right In: 0.011+/-0.000 χ²/NDF: 5500651.2/15
Left Out: 0.015+/-0.000 χ²/NDF:4188425.1/14
Right Out: 0.010+/-0.000 χ²/NDF: 5787700.4/17
Left In: 0.014+/-0.000 χ²/NDF:4496545.3/14
+ sign 0.014+/-0.000 χ²/NDF: 10219376.5/30
All: 0.012+/-0.000 χ²/NDF: 21545306.5/63
- sign 0.012+/-0.000 χ²/NDF: 11050070.9/32



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.004+/-0.208 χ^2/NDF:21.0/14

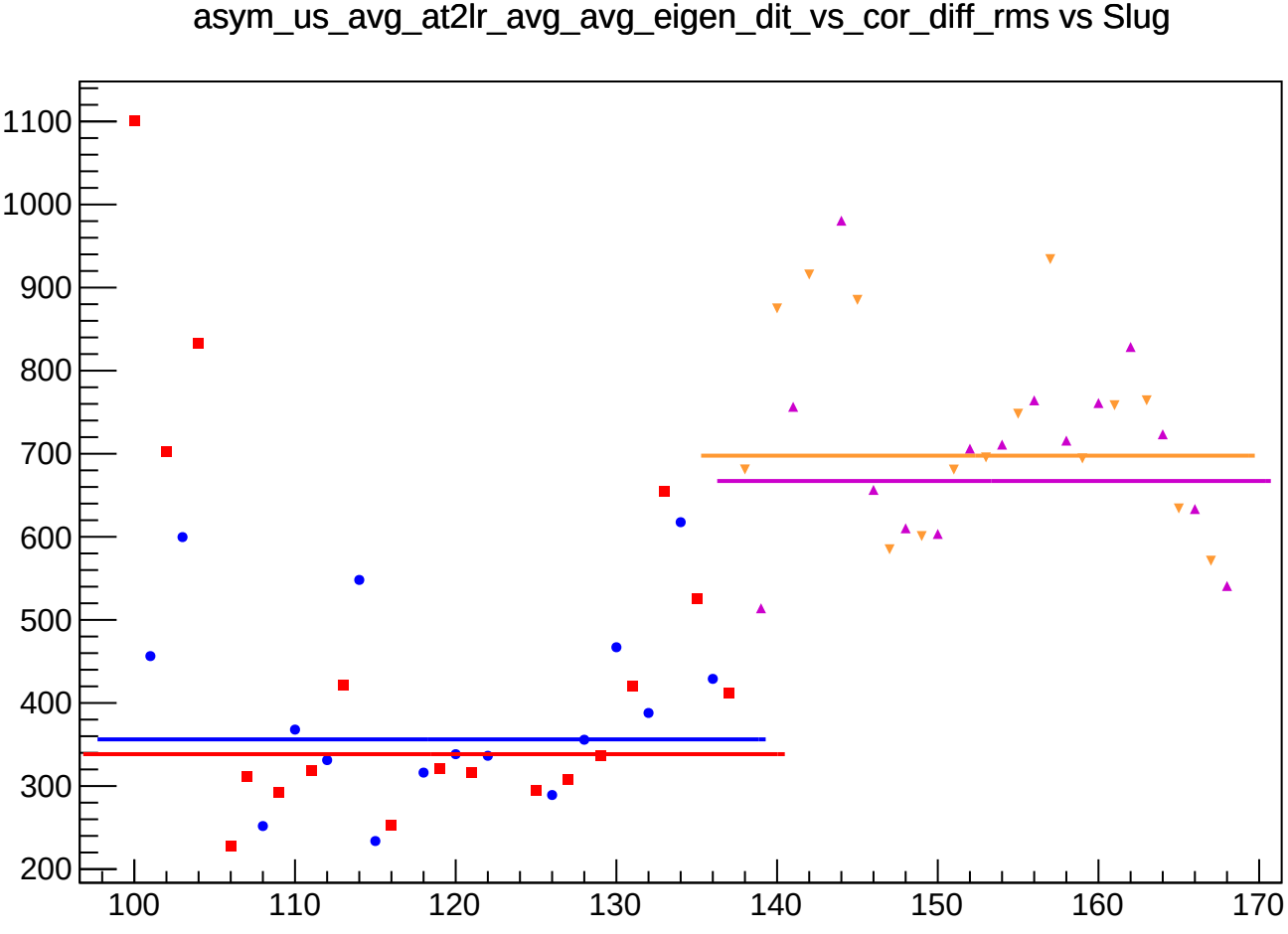
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.114+/-0.194 χ^2/NDF:23.6/14

+ sign -0.051+/-0.116 χ^2/NDF: 33.6/30

All: -0.053+/-0.081 χ^2/NDF: 85.3/63

- sign -0.055+/-0.113 χ^2/NDF: 51.7/32



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 697.707+/-0.147 χ^2/NDF:513922.0/14

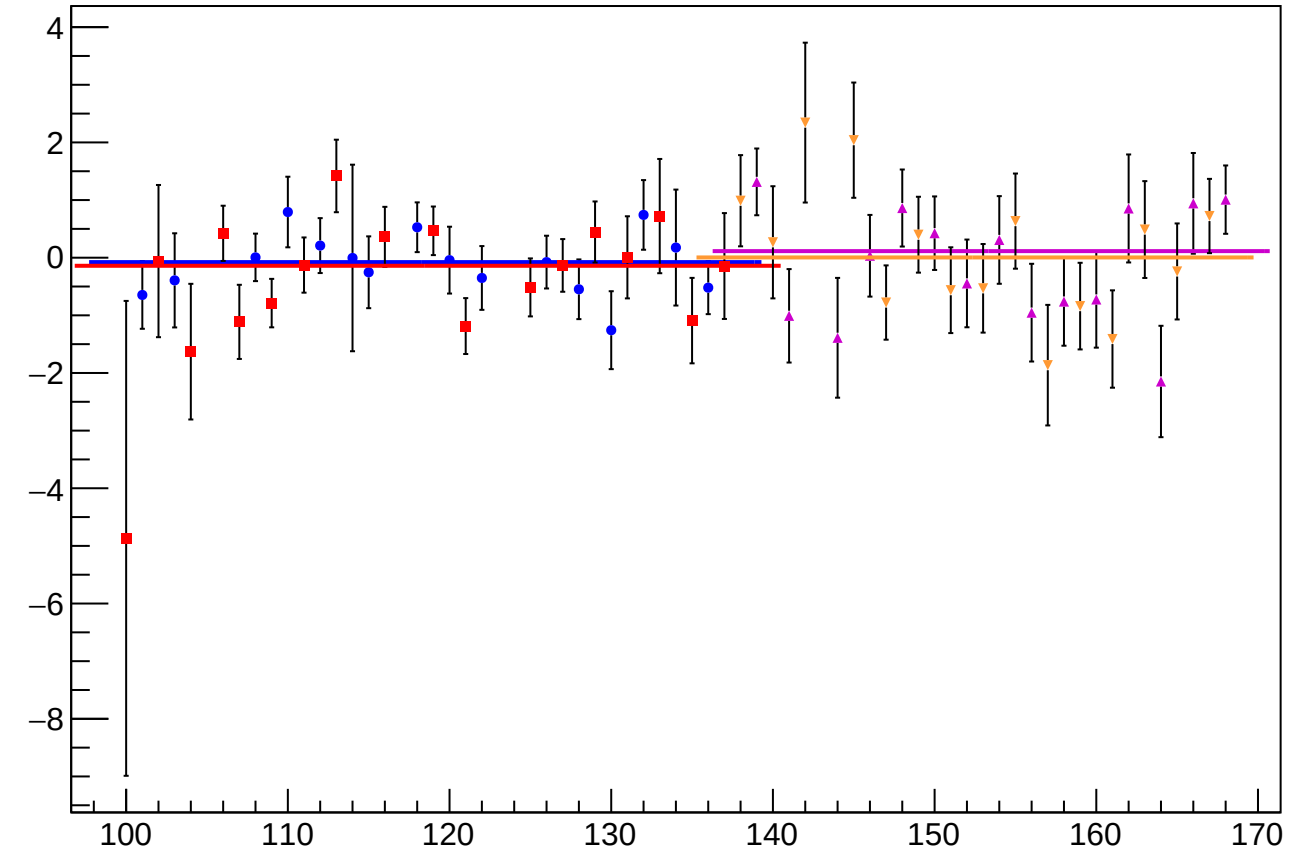
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 667.189+/-0.137 χ^2/NDF:612390.1/14

+ sign 462.868+/-0.082 χ^2/NDF: 5021985.9/30

All: 455.497+/-0.057 χ^2/NDF: 10658448.3/63

- sign 448.564+/-0.080 χ^2/NDF: 5620793.0/32



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.004+/-0.208 χ^2/NDF:21.0/14

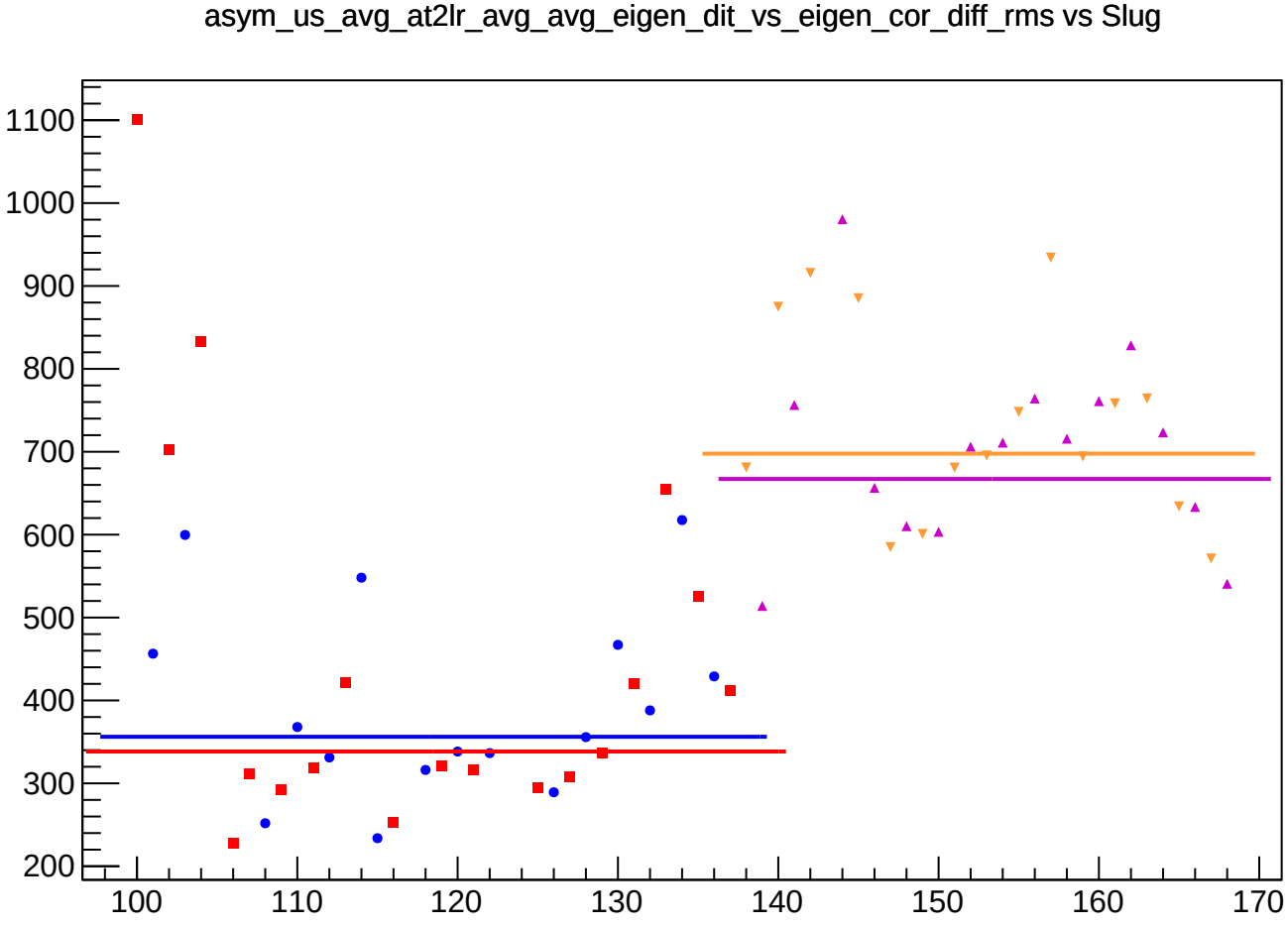
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.114+/-0.194 χ^2/NDF:23.6/14

+ sign -0.051+/-0.116 χ^2/NDF: 33.6/30

All: -0.053+/-0.081 χ^2/NDF: 85.3/63

- sign -0.055+/-0.113 χ^2/NDF: 51.7/32



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 697.707+/-0.147 χ^2/NDF:513922.0/14

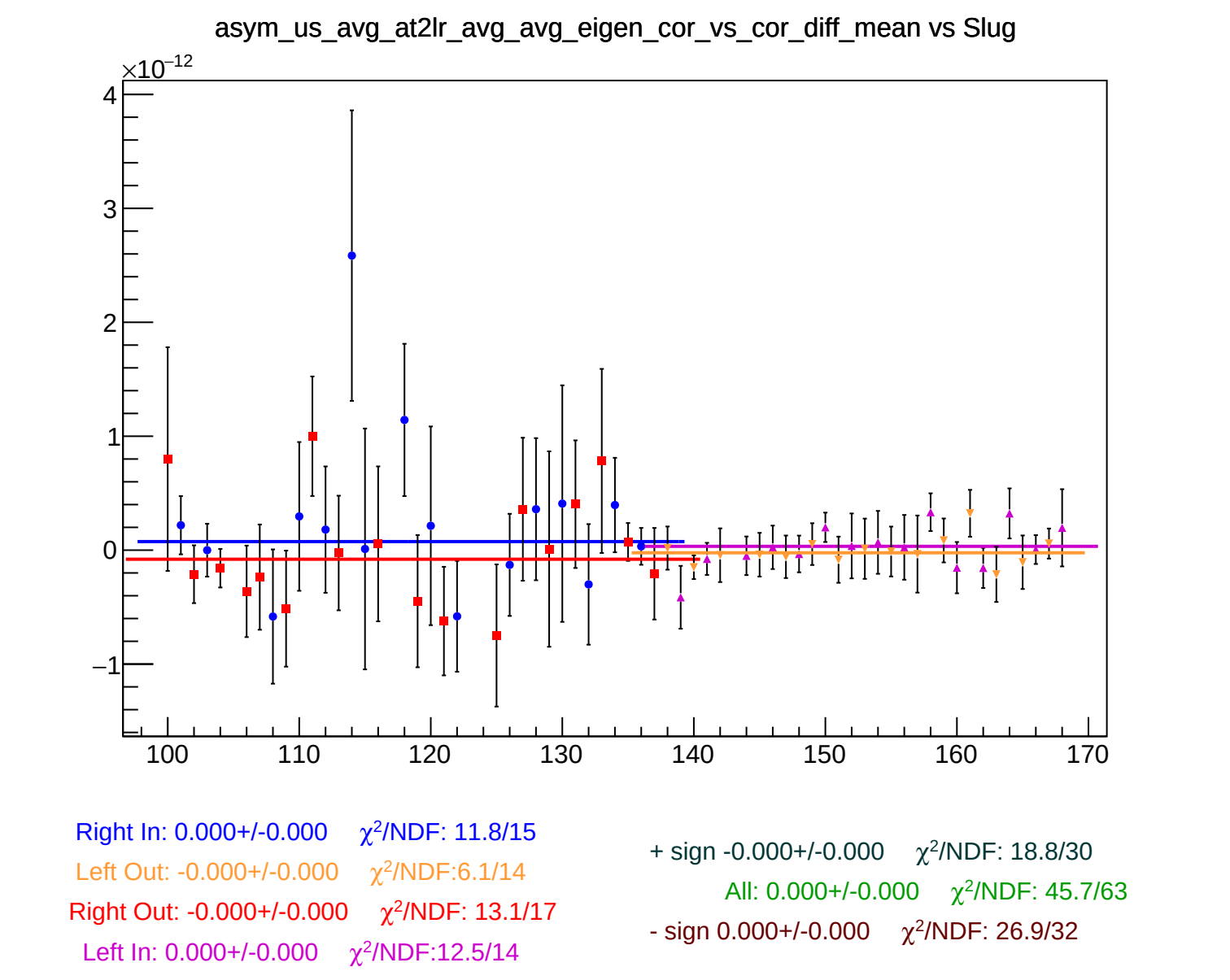
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

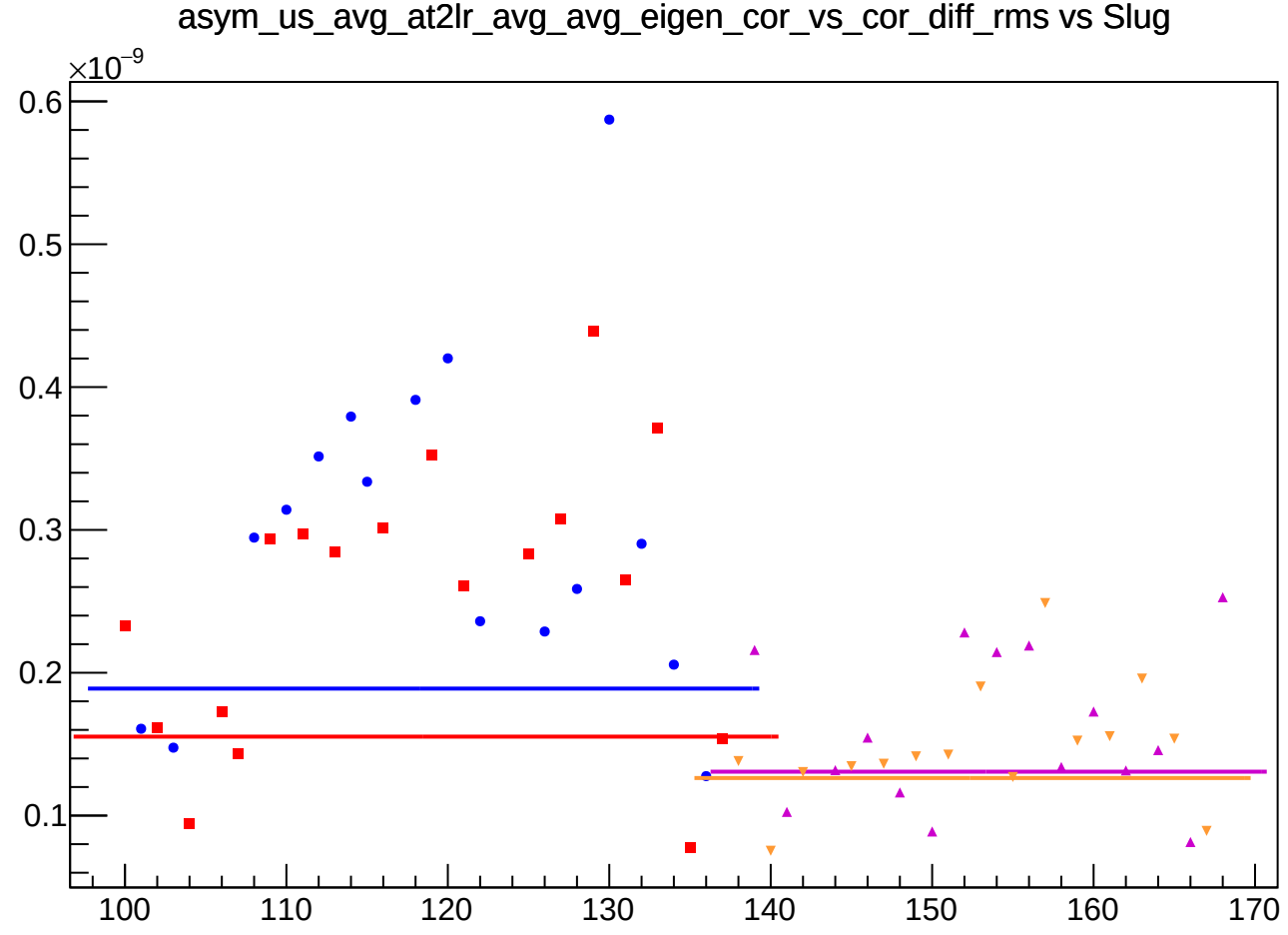
Left In: 667.189+/-0.137 χ^2/NDF:612390.1/14

+ sign 462.868+/-0.082 χ^2/NDF: 5021985.9/30

All: 455.497+/-0.057 χ^2/NDF: 10658448.3/63

- sign 448.564+/-0.080 χ^2/NDF: 5620793.0/32


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:6.1/14
Right Out: -0.000+/-0.000 χ²/NDF: 13.1/17
Left In: 0.000+/-0.000 χ²/NDF:12.5/14
+ sign -0.000+/-0.000 χ²/NDF: 18.8/30
All: 0.000+/-0.000 χ²/NDF: 45.7/63
- sign 0.000+/-0.000 χ²/NDF: 26.9/32



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1331503.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

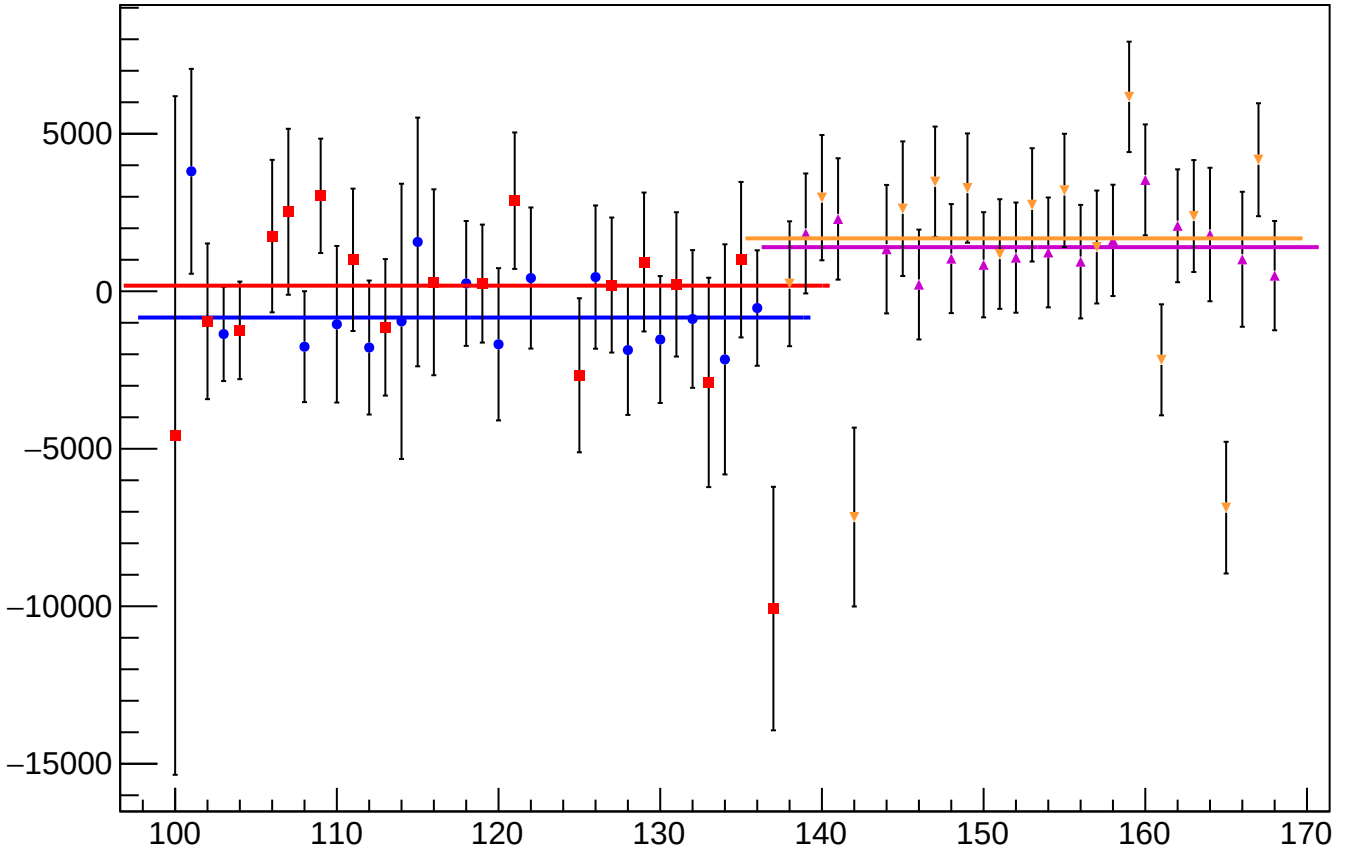
Left In: 0.000+/-0.000 χ^2/NDF:1782944.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 3528774.1/30

All: 0.000+/-0.000 χ^2/NDF: 7641012.8/63

- sign 0.000+/-0.000 χ^2/NDF: 4109572.1/32

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1679.750+/-483.772 χ^2/NDF:44.1/14

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

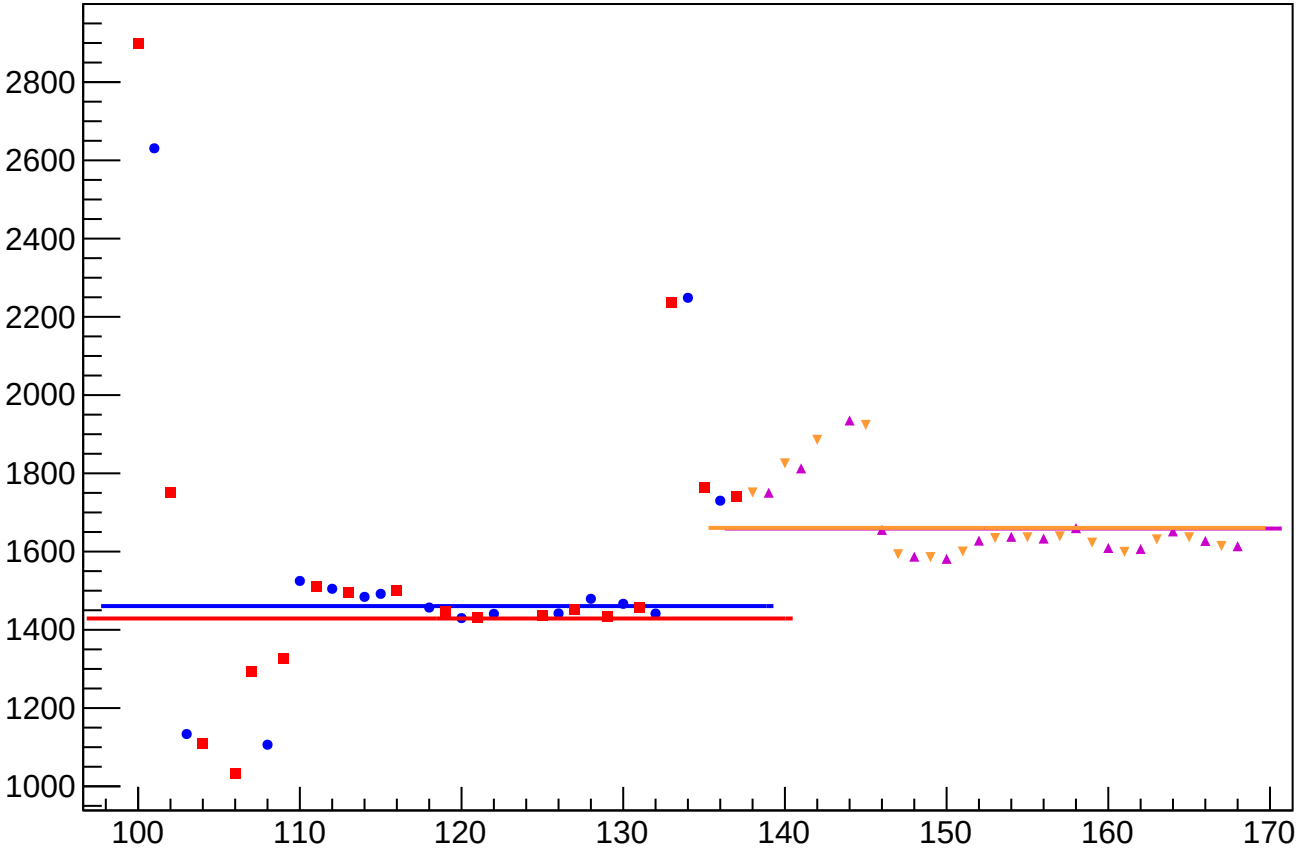
Left In: 1400.996+/-471.549 χ^2/NDF:3.0/14

+ sign 594.288+/-364.631 χ^2/NDF: 60.4/30

All: 740.329+/-255.233 χ^2/NDF: 83.0/63

- sign 880.624+/-357.386 χ^2/NDF: 22.3/32

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1660.545+/-0.342 χ^2/NDF:76469.8/14

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

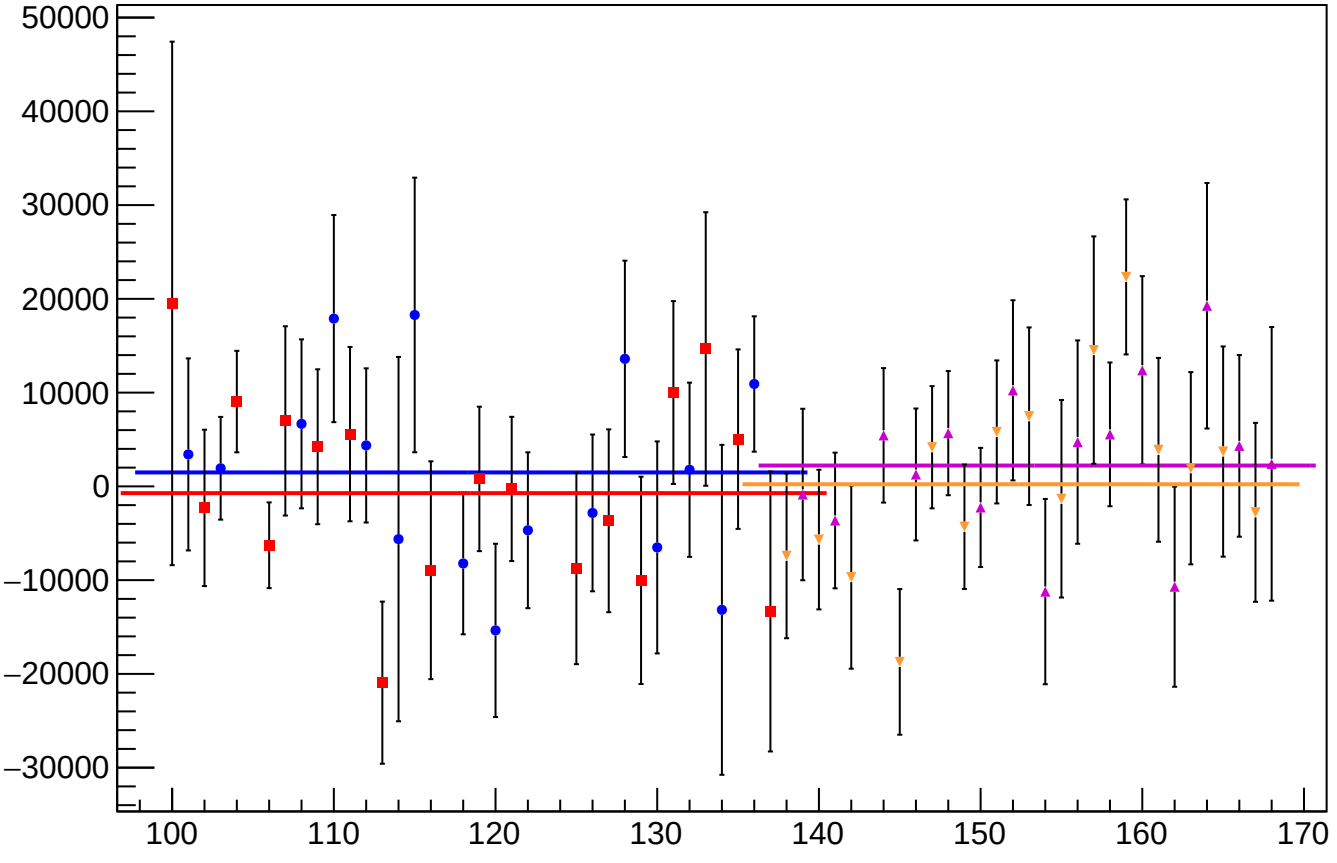
Left In: 1658.887+/-0.333 χ^2/NDF:68246.5/14

+ sign 1574.212+/-0.258 χ^2/NDF: 799680.8/30

All: 1567.038+/-0.180 χ^2/NDF: 1484847.2/63

- sign 1560.190+/-0.252 χ^2/NDF: 683653.2/32

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: 227.166+/-2225.307 χ^2/NDF:19.2/14

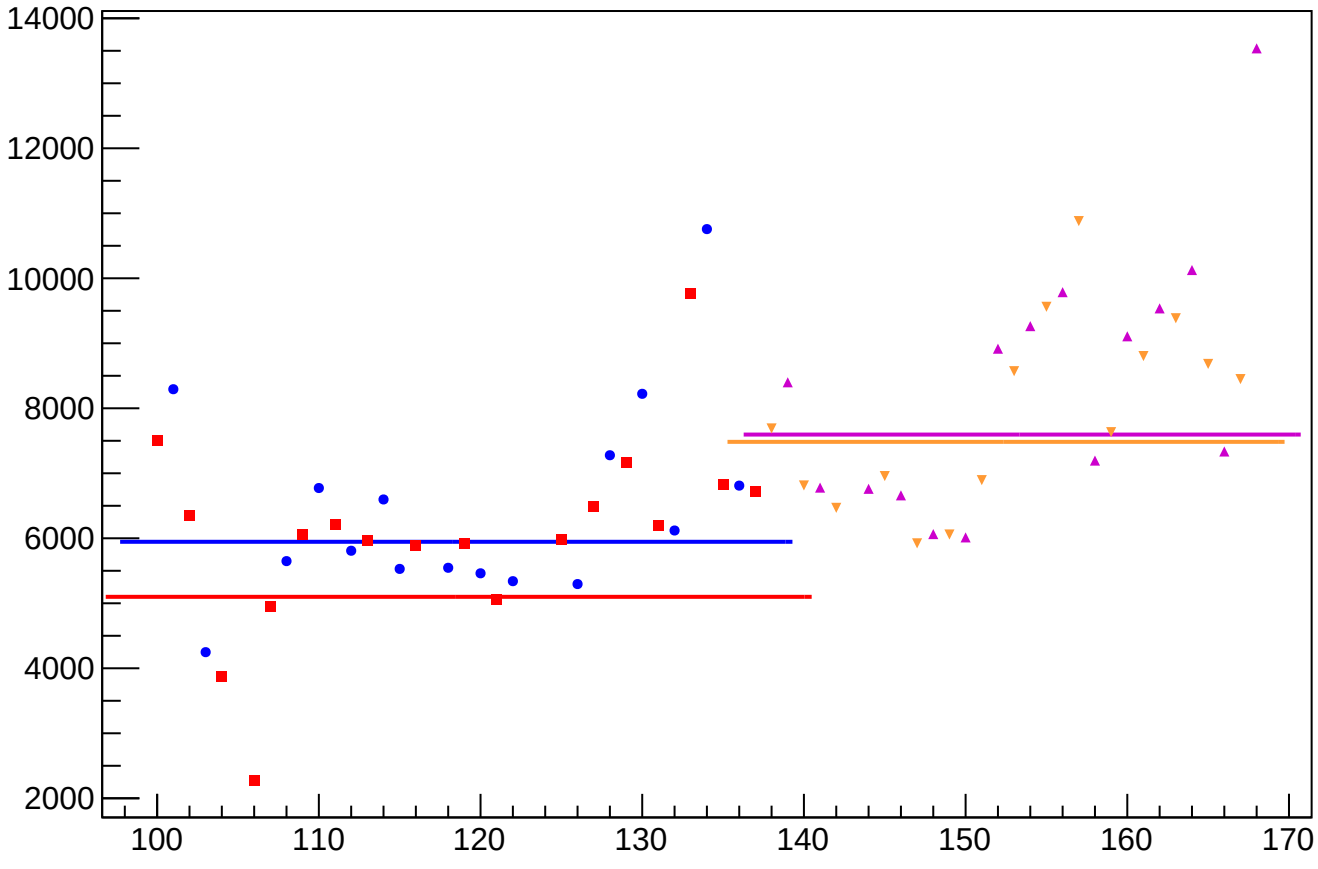
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 2220.843+/-2209.896 χ^2/NDF:8.8/14

+ sign 845.321+/-1588.419 χ^2/NDF: 33.6/30

All: 721.267+/-1085.775 χ^2/NDF: 60.9/63

- sign 612.465+/-1487.574 χ^2/NDF: 27.3/32



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7483.711+/-1.574 χ^2/NDF:677296.1/14

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

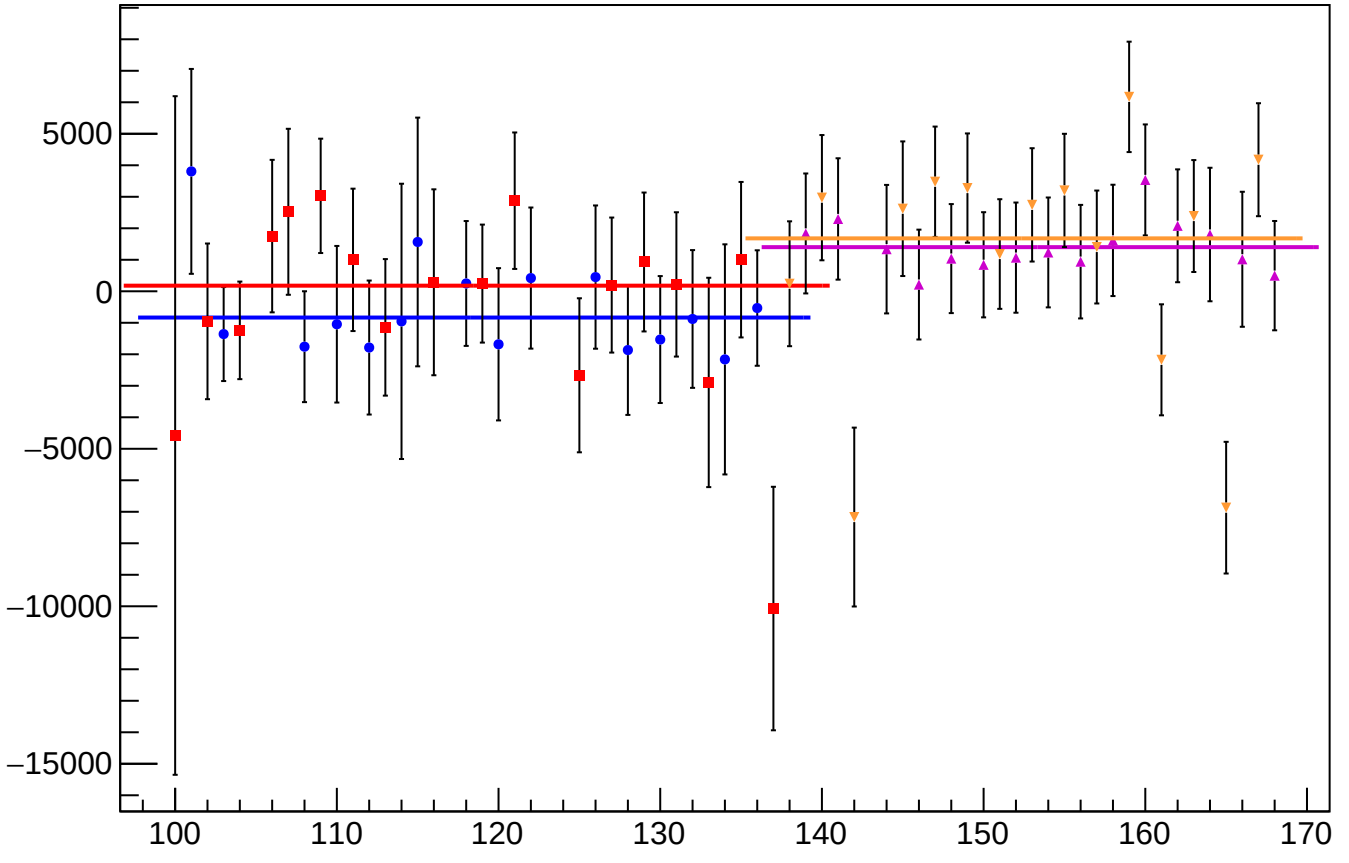
Left In: 7595.719+/-1.563 χ^2/NDF:1035486.4/14

+ sign 6729.514+/-1.123 χ^2/NDF: 1786796.1/30

All: 6463.674+/-0.768 χ^2/NDF: 5803484.7/63

- sign 6230.519+/-1.052 χ^2/NDF: 3911537.2/32

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1679.829+/-483.772 χ^2/NDF:44.1/14

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

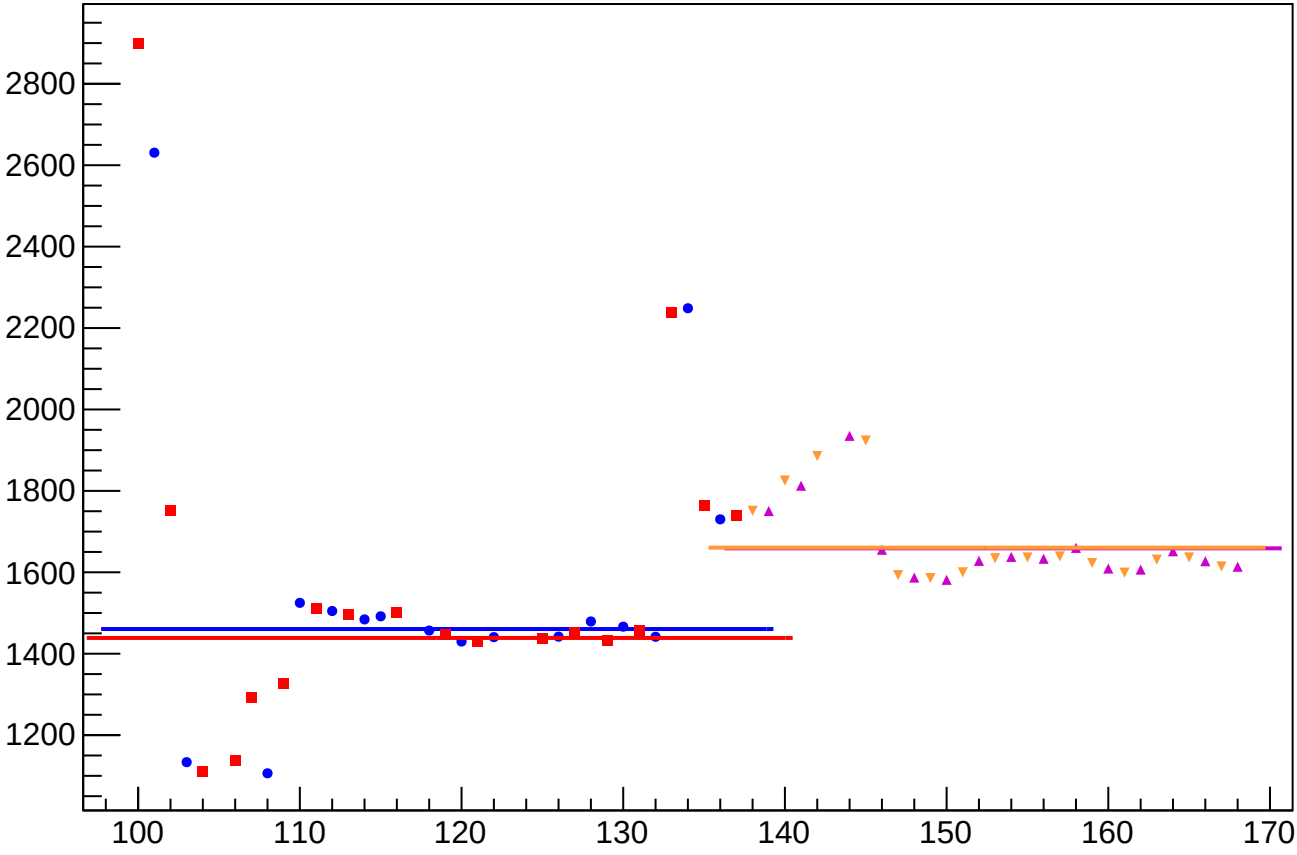
Left In: 1400.988+/-471.549 χ^2/NDF:3.0/14

+ sign 594.306+/-364.631 χ^2/NDF: 60.4/30

All: 740.301+/-255.233 χ^2/NDF: 83.0/63

- sign 880.552+/-357.386 χ^2/NDF: 22.3/32

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1660.545+/-0.342 χ^2/NDF:76469.8/14

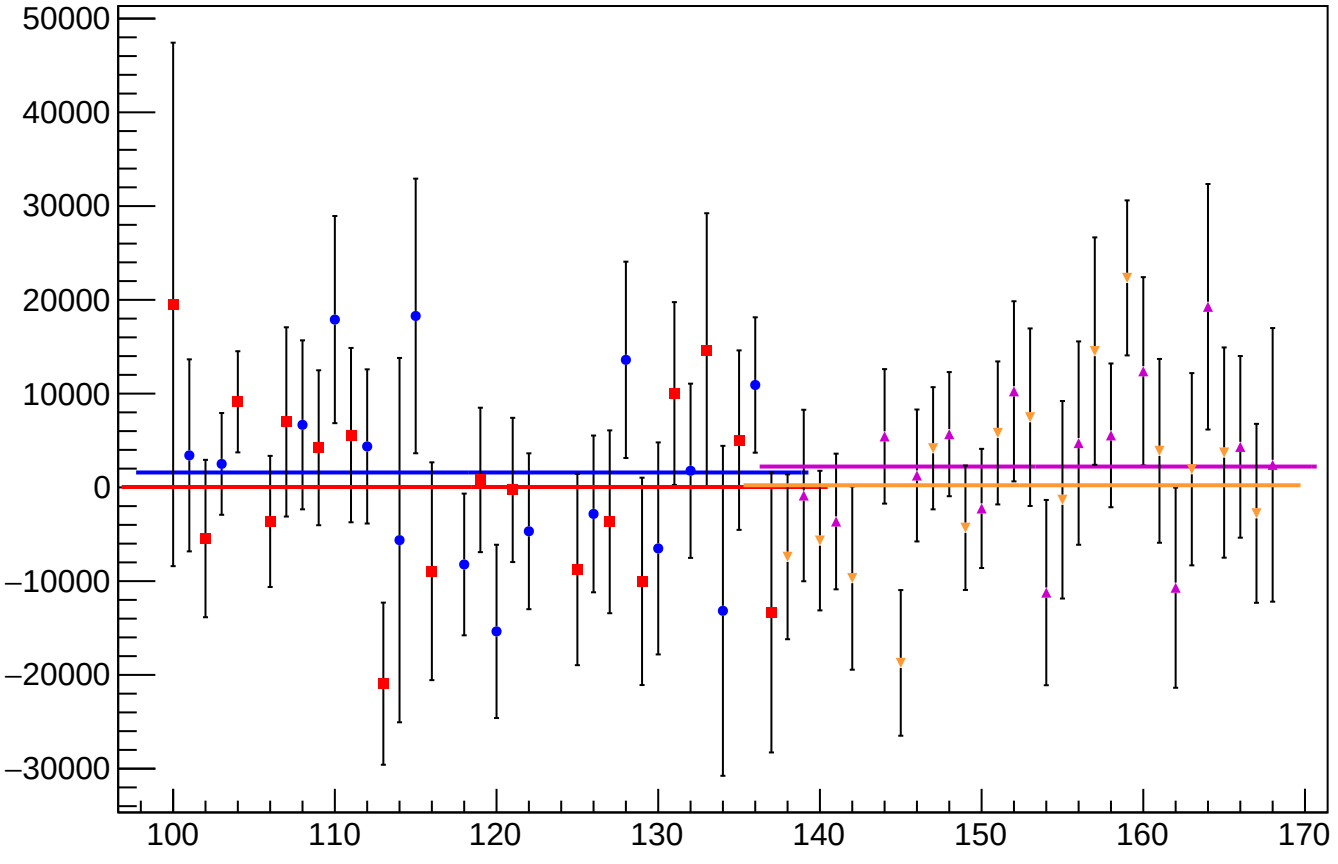
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1658.887+/-0.333 χ^2/NDF:68246.5/14

+ sign 1574.212+/-0.258 χ^2/NDF: 799681.3/30

All: 1569.488+/-0.180 χ^2/NDF: 1427930.3/63

- sign 1564.958+/-0.252 χ^2/NDF: 627591.5/32



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 227.178+/-2225.306 χ^2/NDF:19.2/14

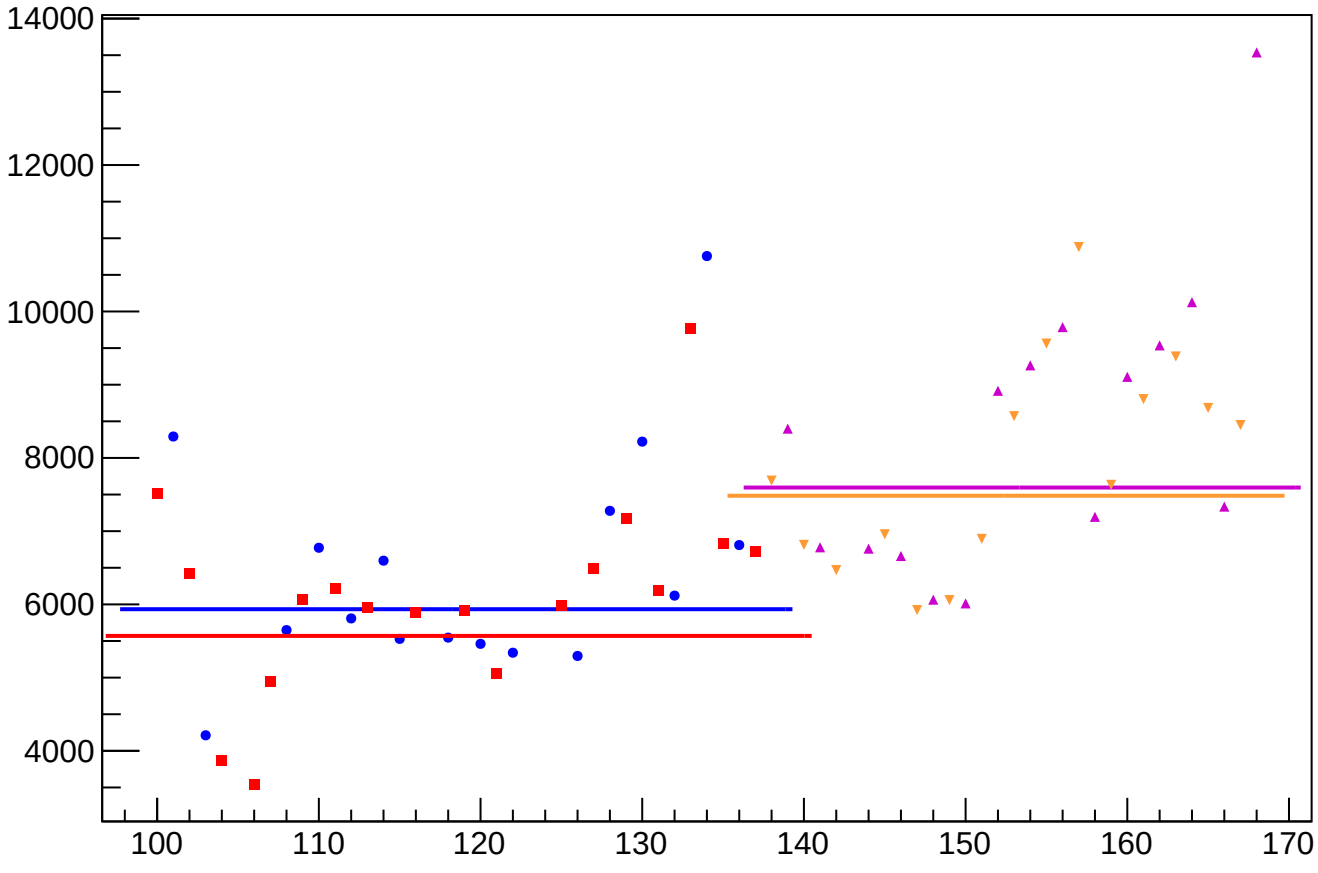
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 2220.888+/-2209.894 χ^2/NDF:8.8/14

+ sign 896.104+/-1587.122 χ^2/NDF: 33.6/30

All: 997.439+/-1103.278 χ^2/NDF: 59.4/63

- sign 1092.194+/-1534.738 χ^2/NDF: 25.7/32



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7483.709+/-1.574 χ^2/NDF:677297.3/14

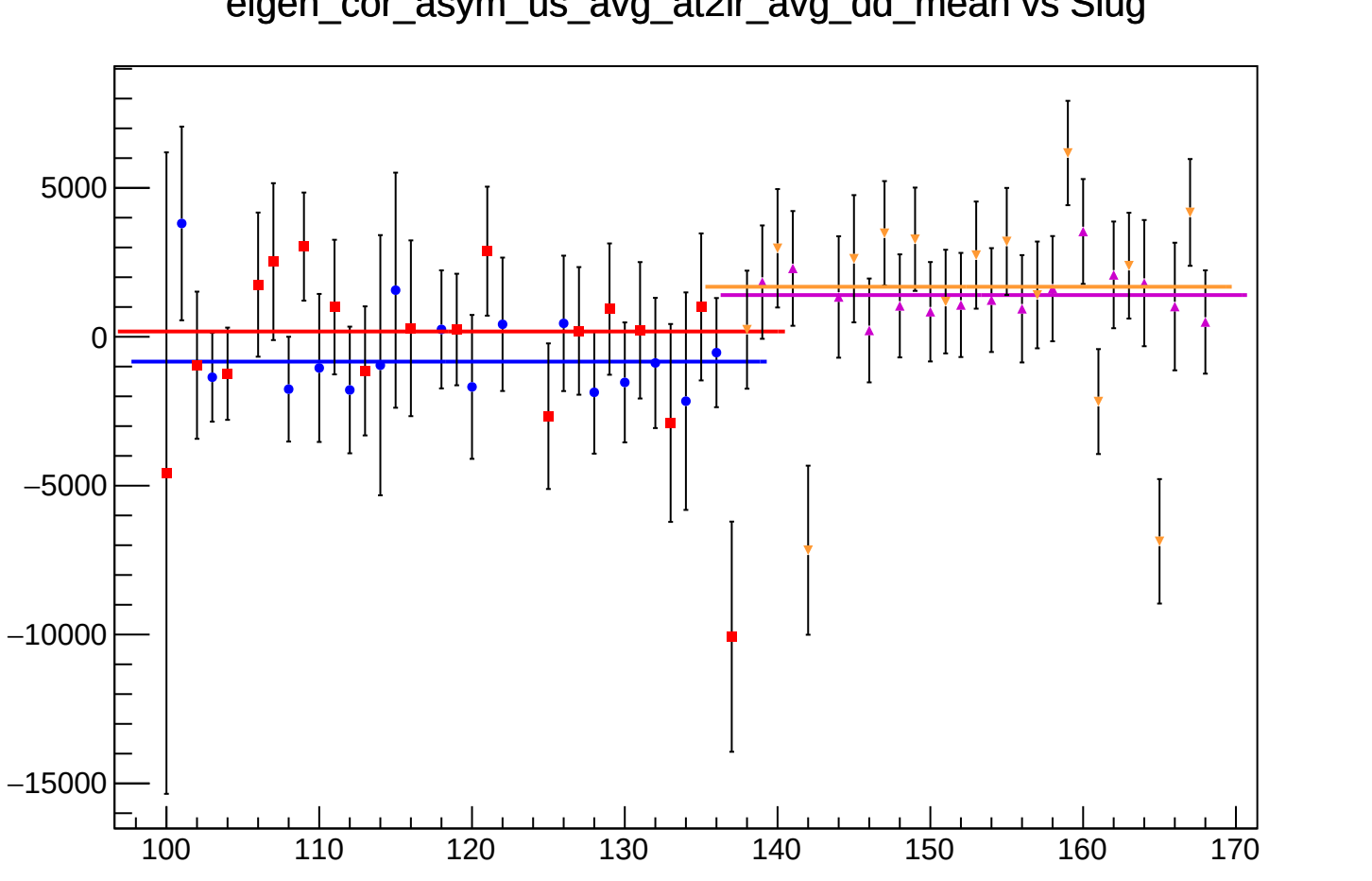
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7595.712+/-1.563 χ^2/NDF:1035489.4/14

+ sign 6722.402+/-1.122 χ^2/NDF: 1806813.0/30

All: 6631.663+/-0.780 χ^2/NDF: 4449327.8/63

- sign 6546.815+/-1.085 χ^2/NDF: 2629864.6/32



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1679.829+/-483.772 χ^2/NDF:44.1/14

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

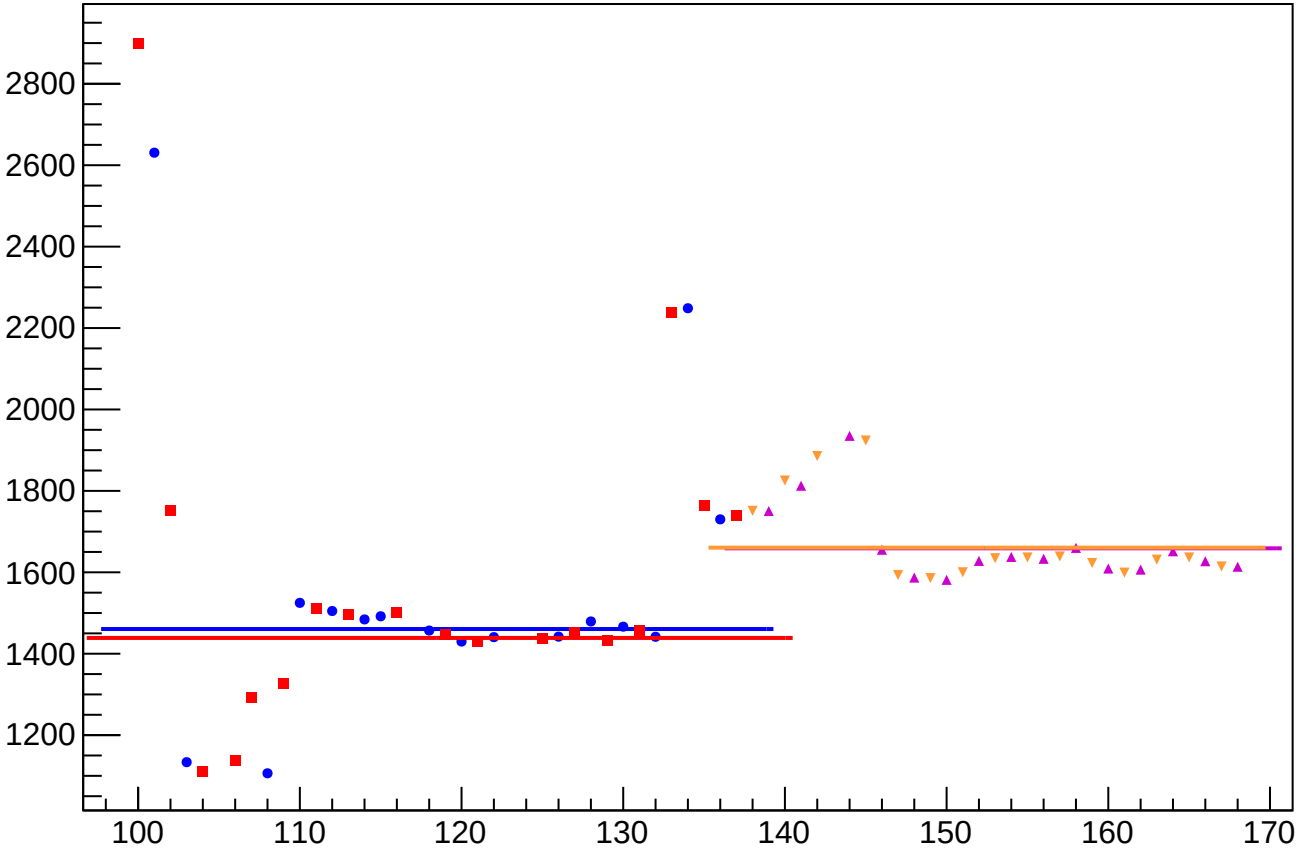
Left In: 1400.988+/-471.549 χ^2/NDF:3.0/14

+ sign 594.306+/-364.631 χ^2/NDF: 60.4/30

All: 740.301+/-255.233 χ^2/NDF: 83.0/63

- sign 880.552+/-357.386 χ^2/NDF: 22.3/32

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: 1660.545+/-0.342 χ^2/NDF:76469.8/14

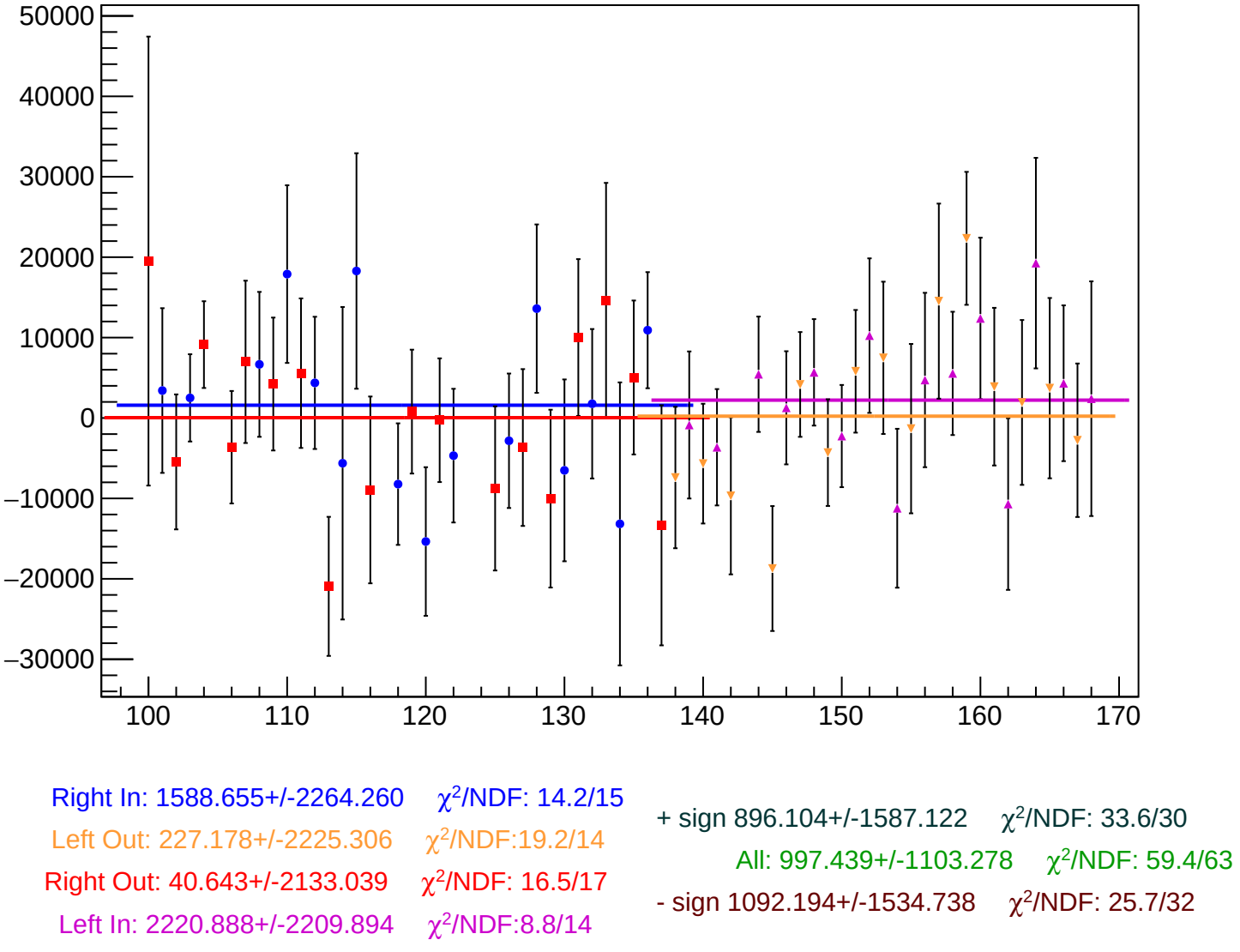
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

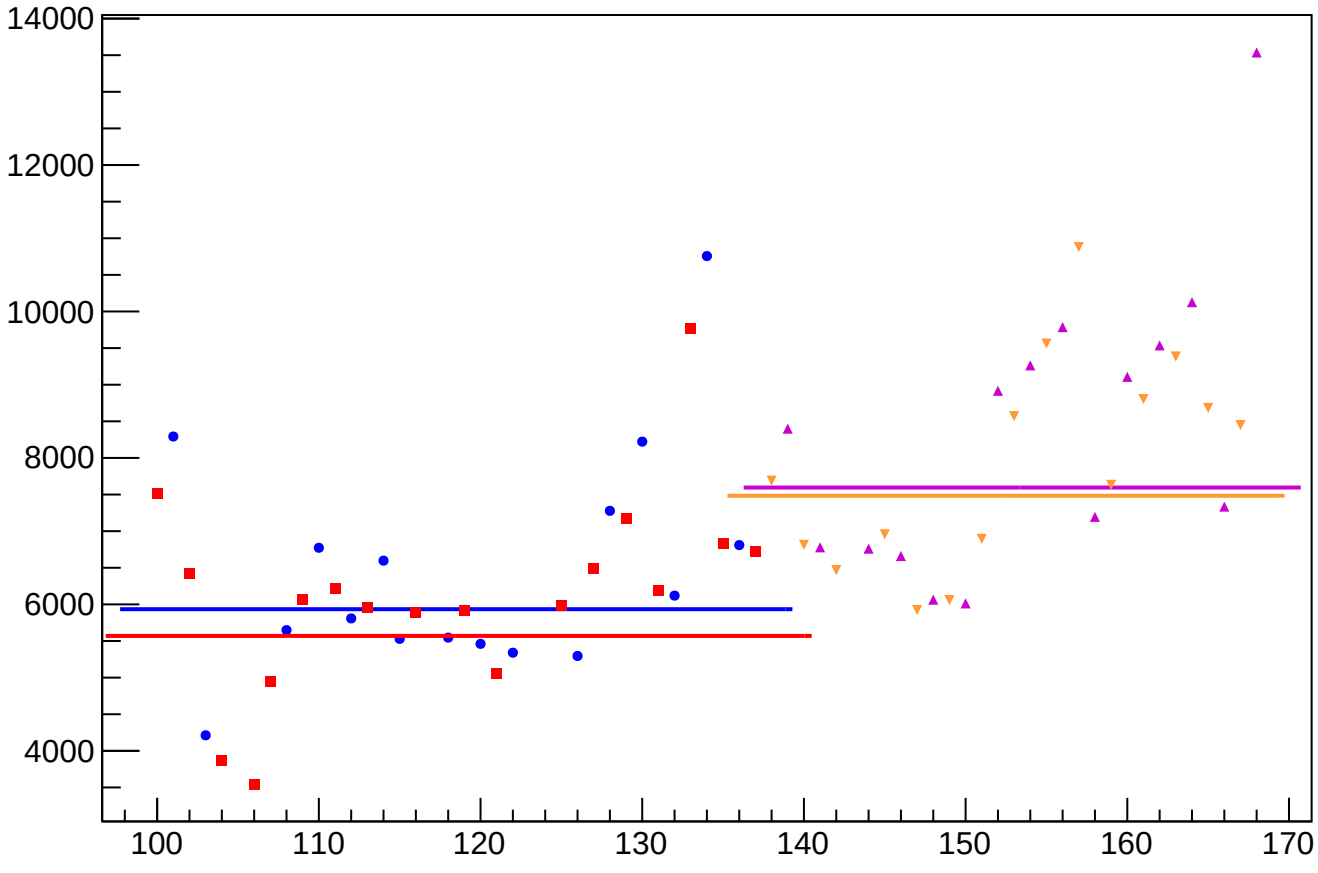
Left In: 1658.887+/-0.333 χ^2/NDF:68246.5/14

+ sign 1574.212+/-0.258 χ^2/NDF: 799681.3/30

All: 1569.488+/-0.180 χ^2/NDF: 1427930.3/63

- sign 1564.958+/-0.252 χ^2/NDF: 627591.5/32


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: 227.178+/-2225.306 χ²/NDF:19.2/14
Right Out: 40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: 2220.888+/-2209.894 χ²/NDF:8.8/14
+ sign 896.104+/-1587.122 χ²/NDF: 33.6/30
All: 997.439+/-1103.278 χ²/NDF: 59.4/63
- sign 1092.194+/-1534.738 χ²/NDF: 25.7/32



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7483.709+/-1.574 χ^2/NDF:677297.3/14

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

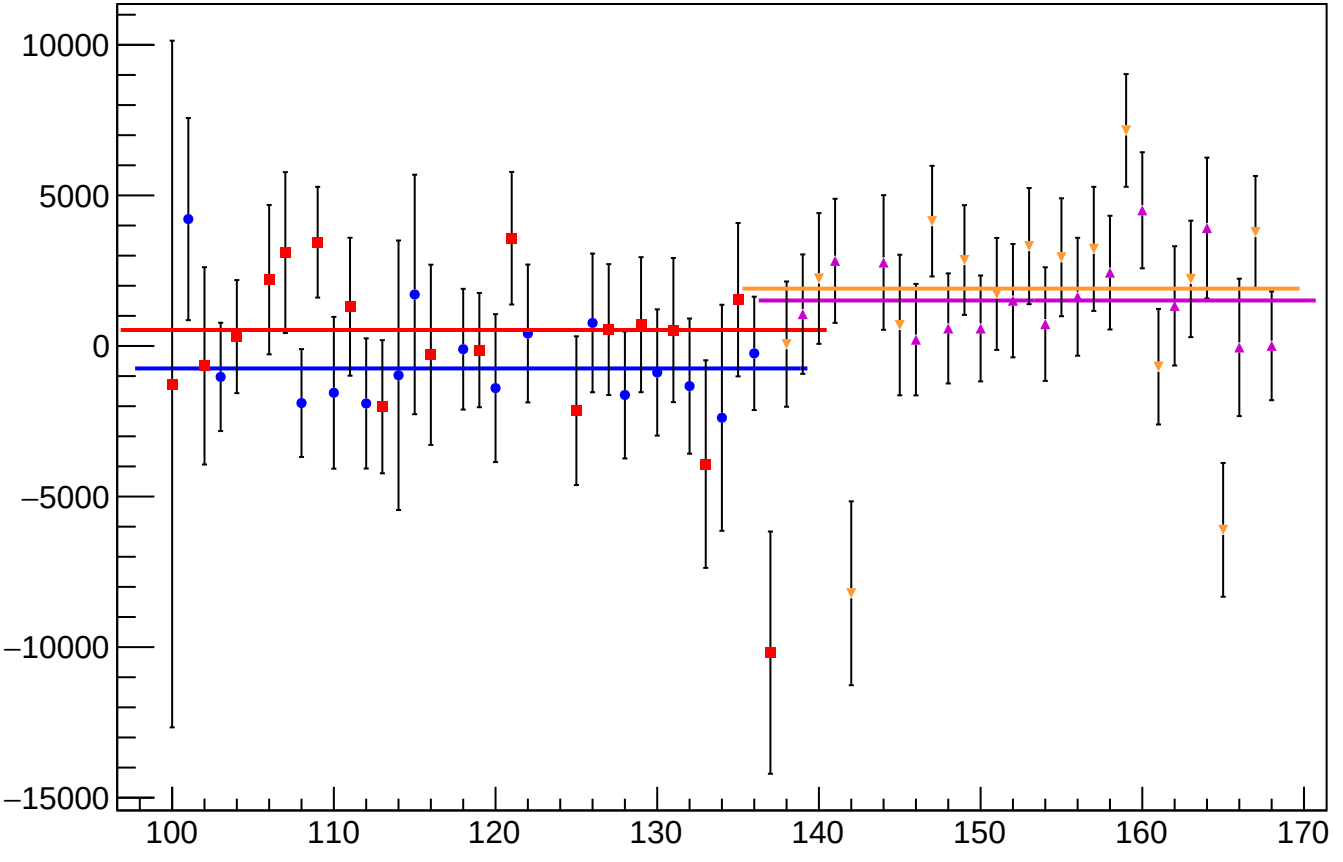
Left In: 7595.712+/-1.563 χ^2/NDF:1035489.4/14

+ sign 6722.402+/-1.122 χ^2/NDF: 1806813.0/30

All: 6631.663+/-0.780 χ^2/NDF: 4449327.8/63

- sign 6546.815+/-1.085 χ^2/NDF: 2629864.6/32

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1904.666+/-519.743 χ^2/NDF:38.8/14

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

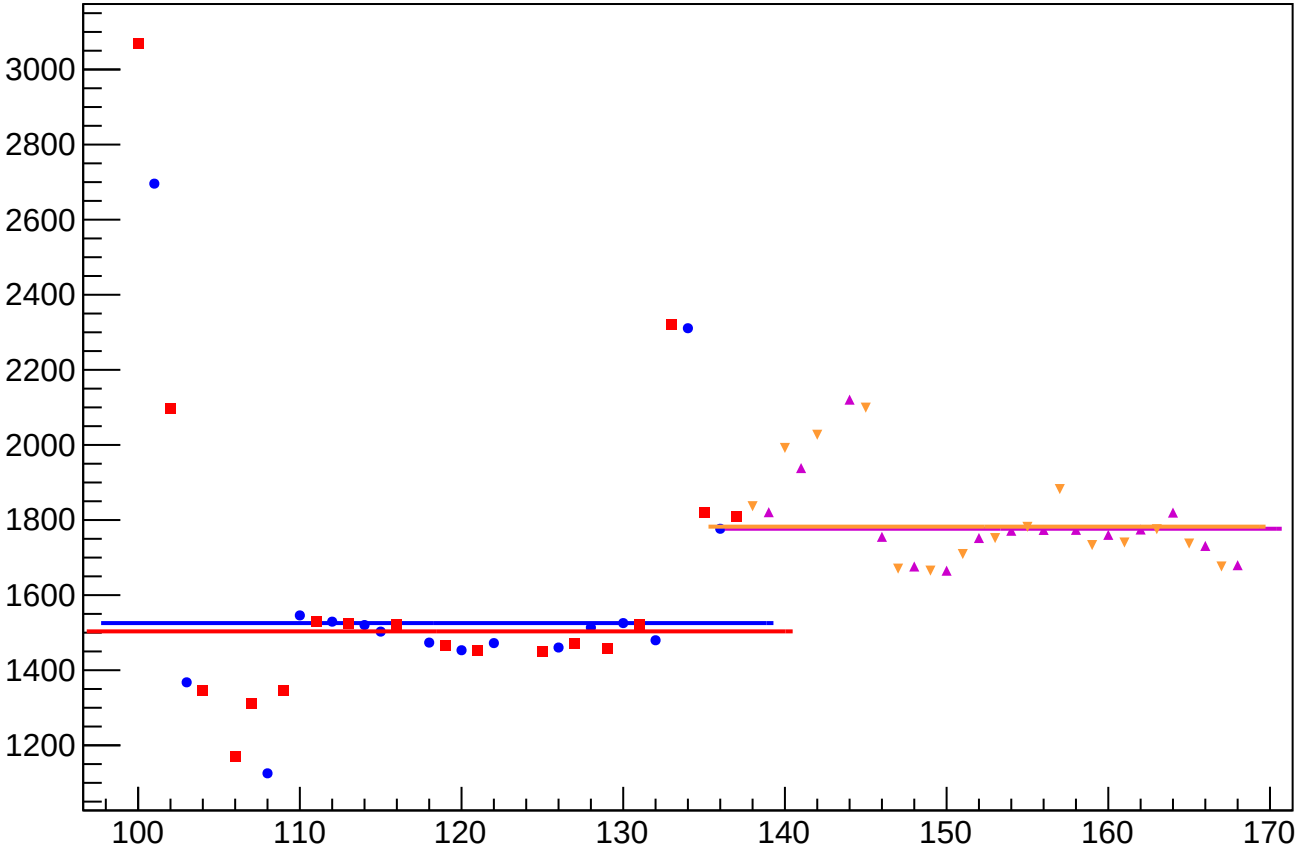
Left In: 1510.772+/-505.379 χ^2/NDF:6.9/14

\+ sign 719.807+/-386.495 χ^2/NDF: 55.2/30

All: 905.159+/-270.834 χ^2/NDF: 81.9/63

\- sign 1083.986+/-379.631 χ^2/NDF: 26.2/32

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1782.391+/-0.368 χ^2/NDF:103406.4/14

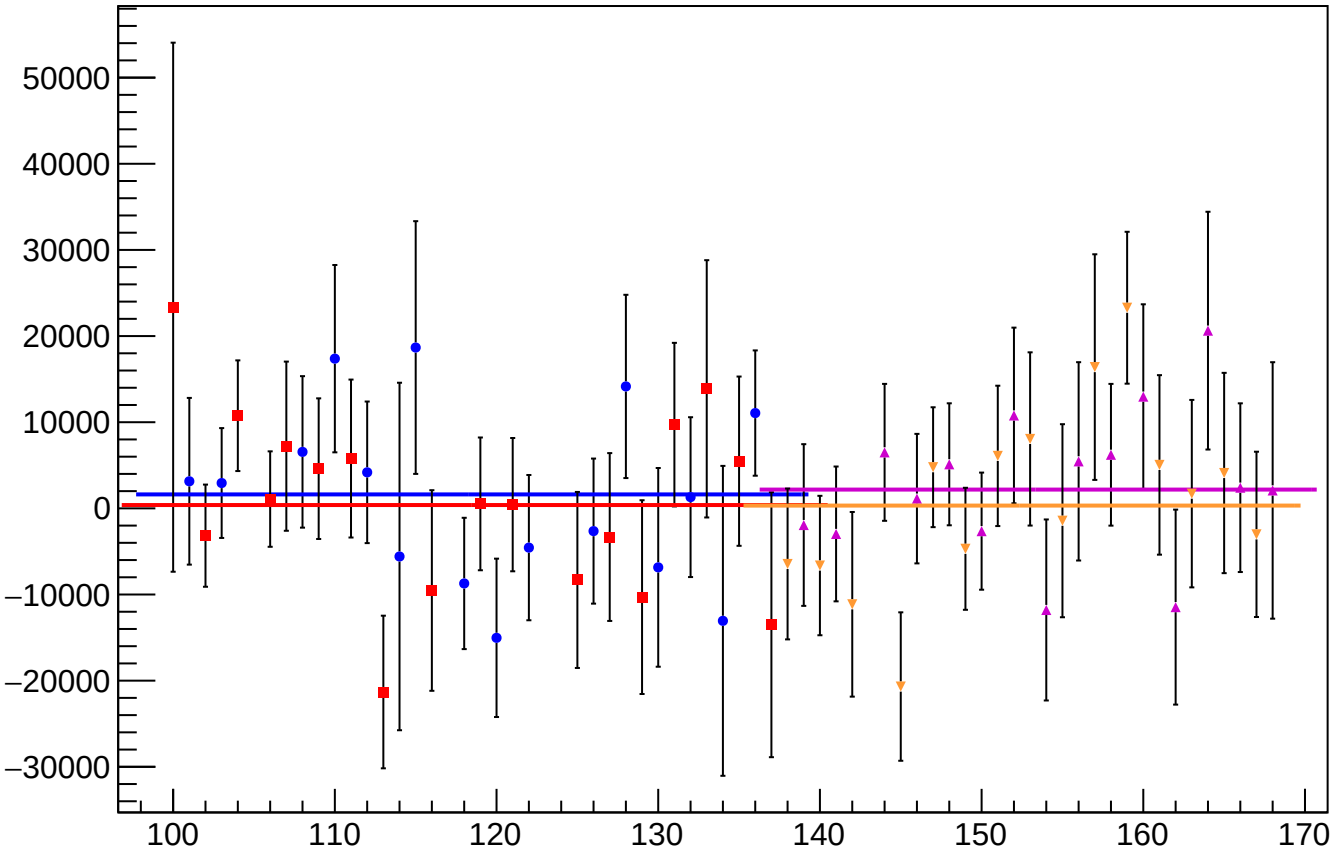
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1776.807+/-0.357 χ^2/NDF:82777.4/14

+ sign 1667.572+/-0.273 χ^2/NDF: 810086.0/30

All: 1662.522+/-0.191 χ^2/NDF: 1487113.0/63

- sign 1657.652+/-0.268 χ^2/NDF: 676356.3/32



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: 323.411+/-2365.960 χ^2/NDF:19.2/14

Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

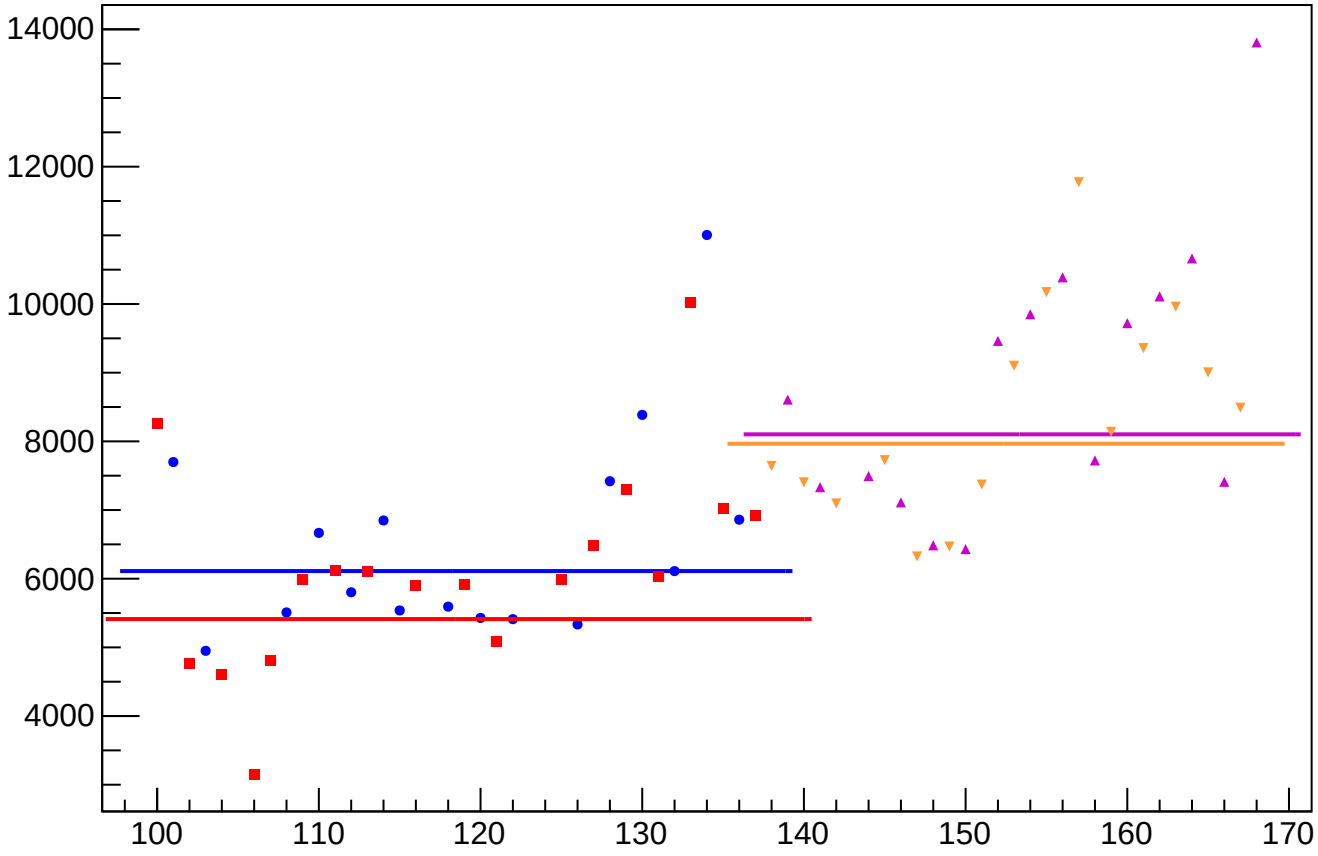
Left In: 2179.998+/-2353.656 χ^2/NDF:8.7/14

+ sign 984.442+/-1656.510 χ^2/NDF: 33.6/30

All: 1080.418+/-1131.991 χ^2/NDF: 58.6/63

- sign 1164.502+/-1550.498 χ^2/NDF: 25.0/32

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: 7965.061+/-1.673 χ^2/NDF:636417.1/14

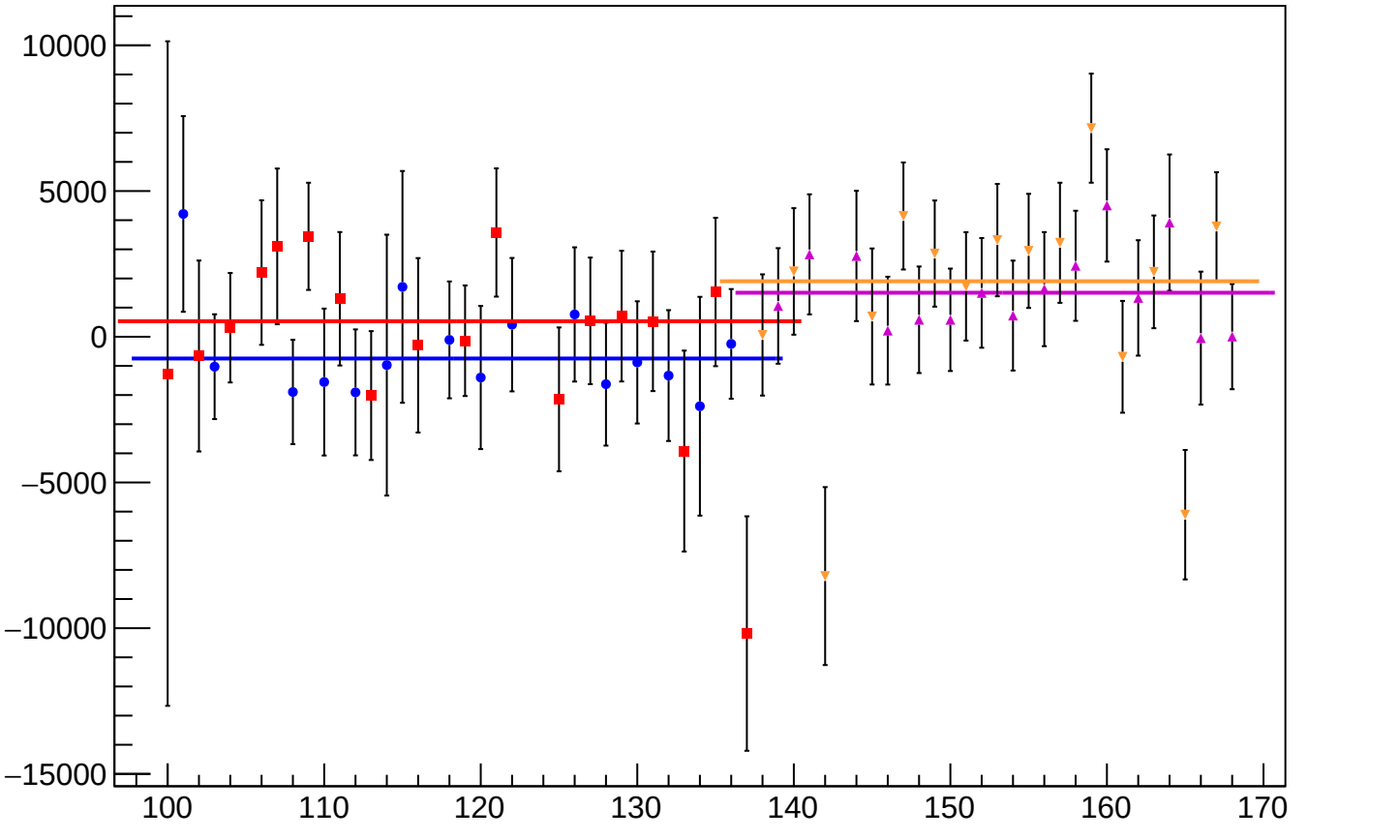
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 8102.144+/-1.664 χ^2/NDF:952375.7/14

+ sign 7019.879+/-1.171 χ^2/NDF: 1734181.7/30

All: 6785.195+/-0.800 χ^2/NDF: 5061990.9/63

- sign 6579.589+/-1.096 χ^2/NDF: 3252497.2/32



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1904.675+/-519.744 χ^2/NDF:38.8/14

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

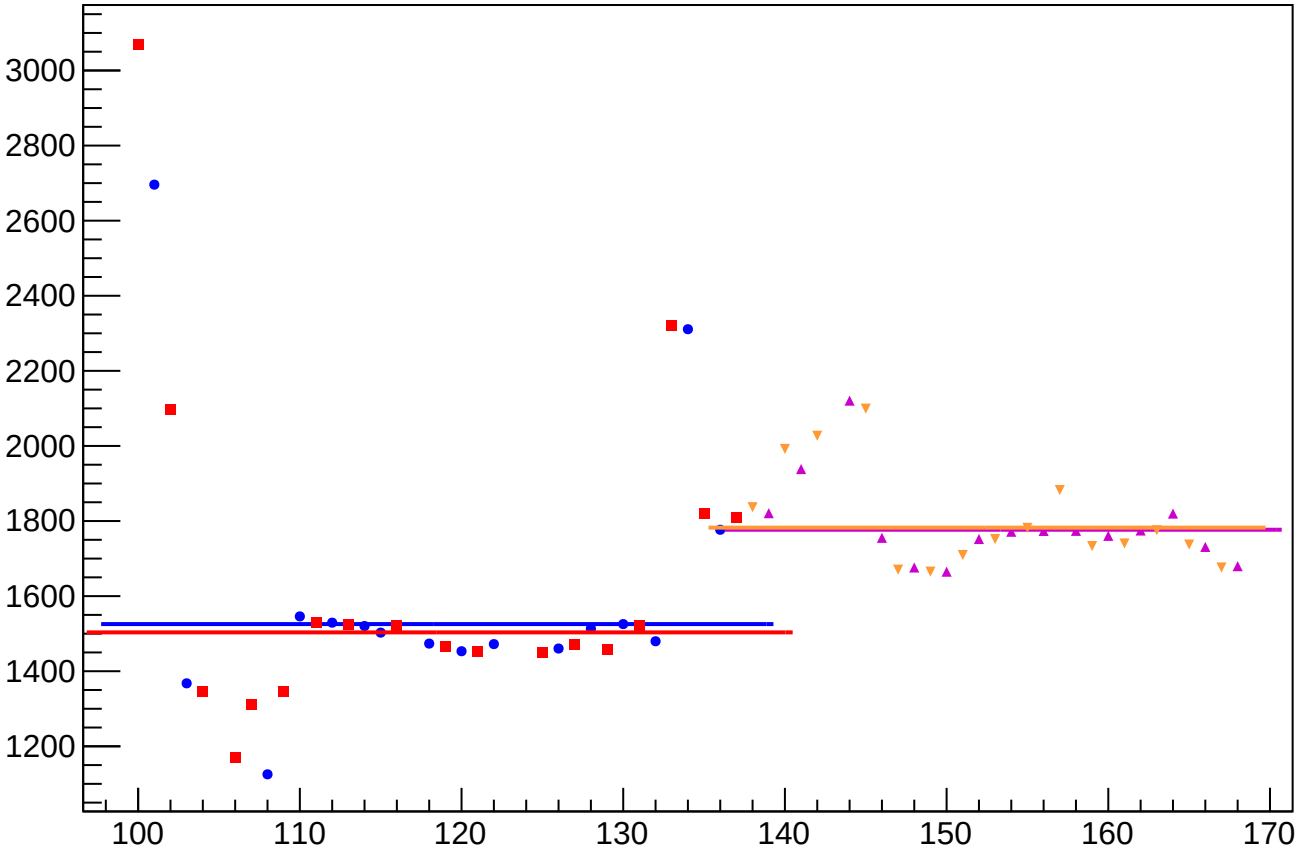
Left In: 1510.772+/-505.380 χ^2/NDF:6.9/14

+ sign 719.808+/-386.495 χ^2/NDF: 55.2/30

All: 905.161+/-270.834 χ^2/NDF: 81.9/63

- sign 1083.989+/-379.632 χ^2/NDF: 26.2/32

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: 1782.394+/-0.368 χ^2/NDF:103407.3/14

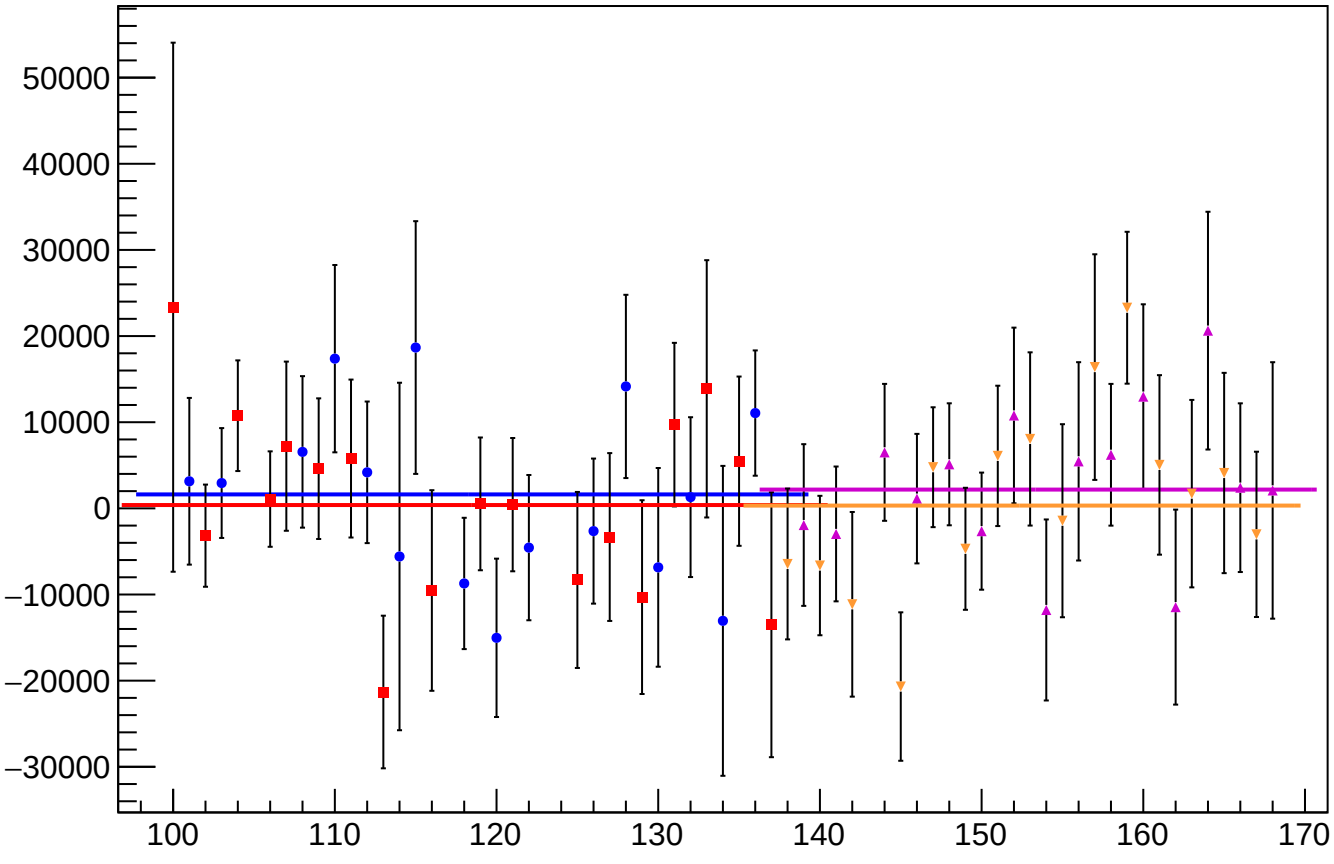
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1776.810+/-0.357 χ^2/NDF:82777.6/14

+ sign 1667.574+/-0.273 χ^2/NDF: 810091.4/30

All: 1662.524+/-0.191 χ^2/NDF: 1487124.1/63

- sign 1657.653+/-0.268 χ^2/NDF: 676362.1/32



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: 323.414+/-2365.964 χ^2/NDF:19.2/14

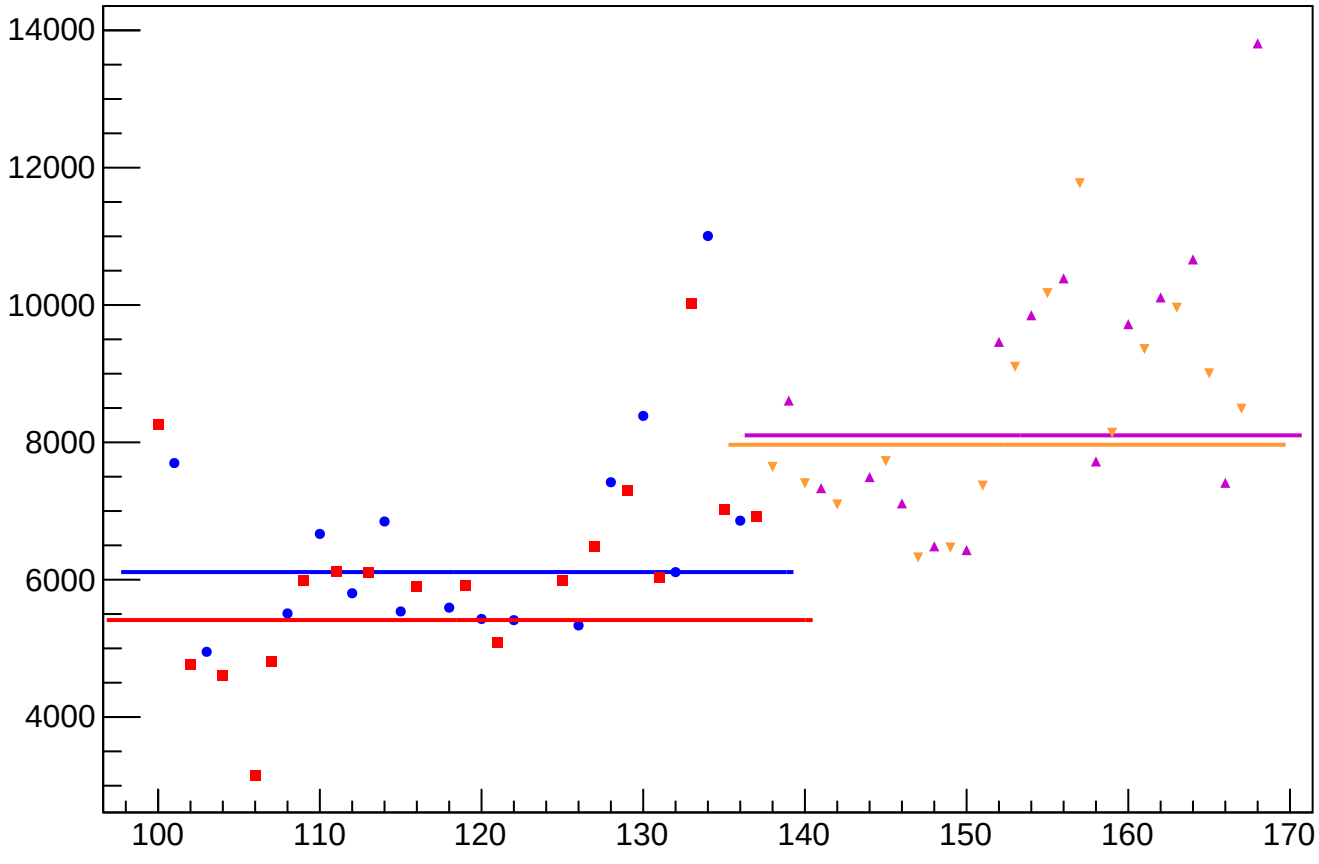
Right Out: 385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 2179.995+/-2353.659 χ^2/NDF:8.7/14

+ sign 984.435+/-1656.509 χ^2/NDF: 33.6/30

All: 1080.414+/-1131.991 χ^2/NDF: 58.6/63

- sign 1164.502+/-1550.497 χ^2/NDF: 25.0/32



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7965.072+/-1.673 χ^2/NDF:636419.3/14

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

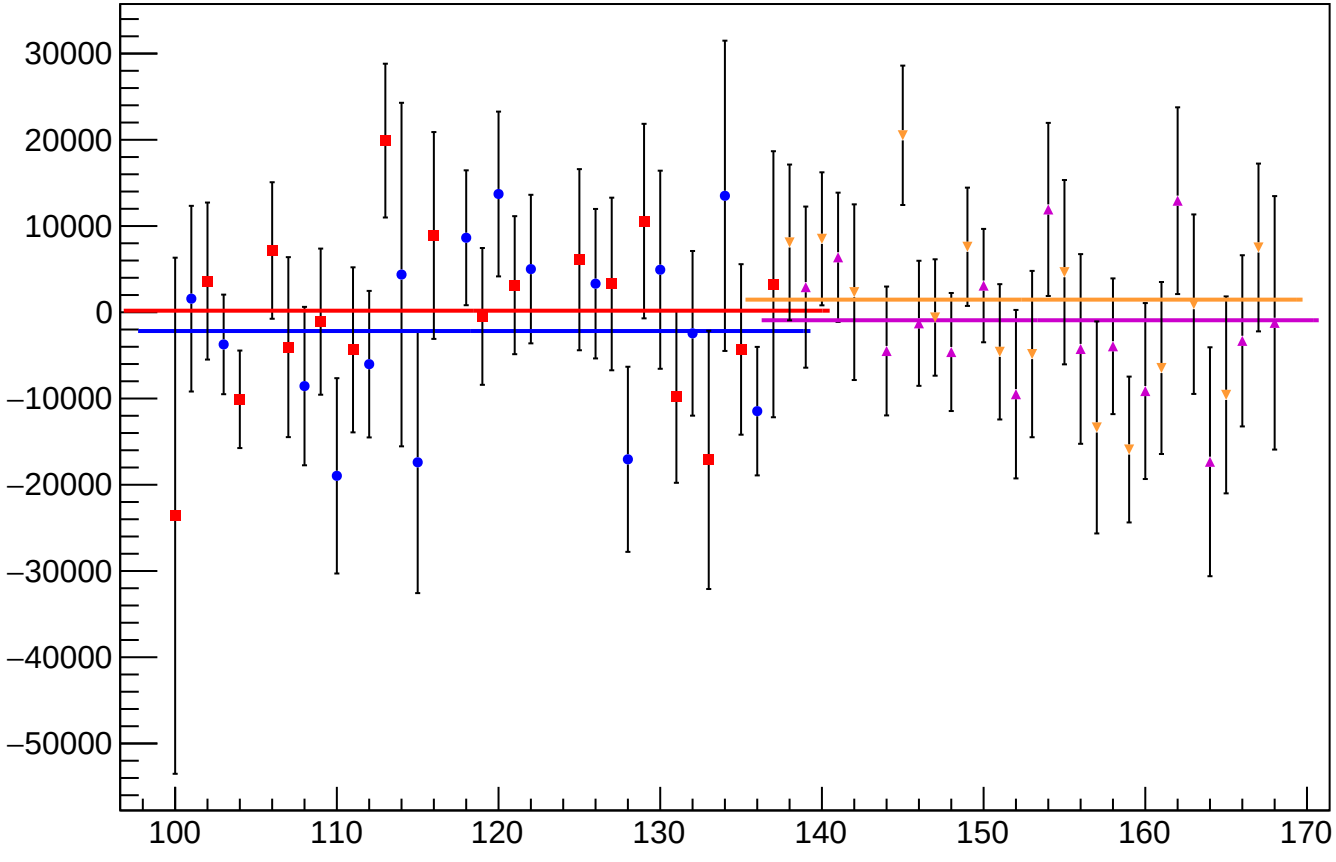
Left In: 8102.155+/-1.664 χ^2/NDF:952377.5/14

+ sign 7019.874+/-1.171 χ^2/NDF: 1734203.3/30

All: 6785.190+/-0.800 χ^2/NDF: 5062040.0/63

- sign 6579.583+/-1.096 χ^2/NDF: 3252524.2/32

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1465.640+/-2287.425 χ^2/NDF:16.6/14

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

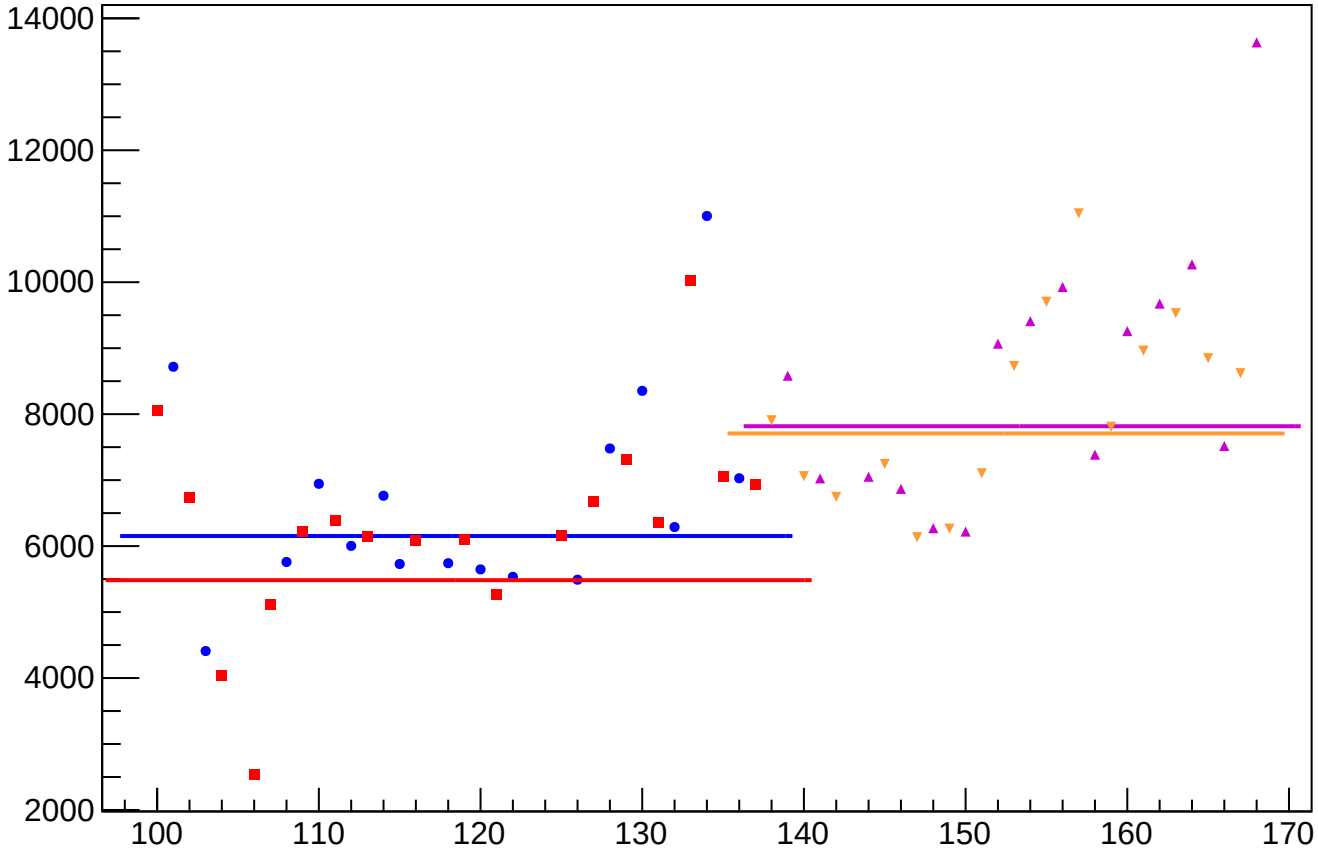
Left In: -924.911+/-2269.770 χ^2/NDF:8.5/14

+ sign -306.910+/-1638.336 χ^2/NDF: 32.4/30

All: -334.554+/-1141.123 χ^2/NDF: 55.7/63

- sign -360.602+/-1590.317 χ^2/NDF: 23.3/32

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7707.335+/-1.617 χ^2/NDF:618901.7/14

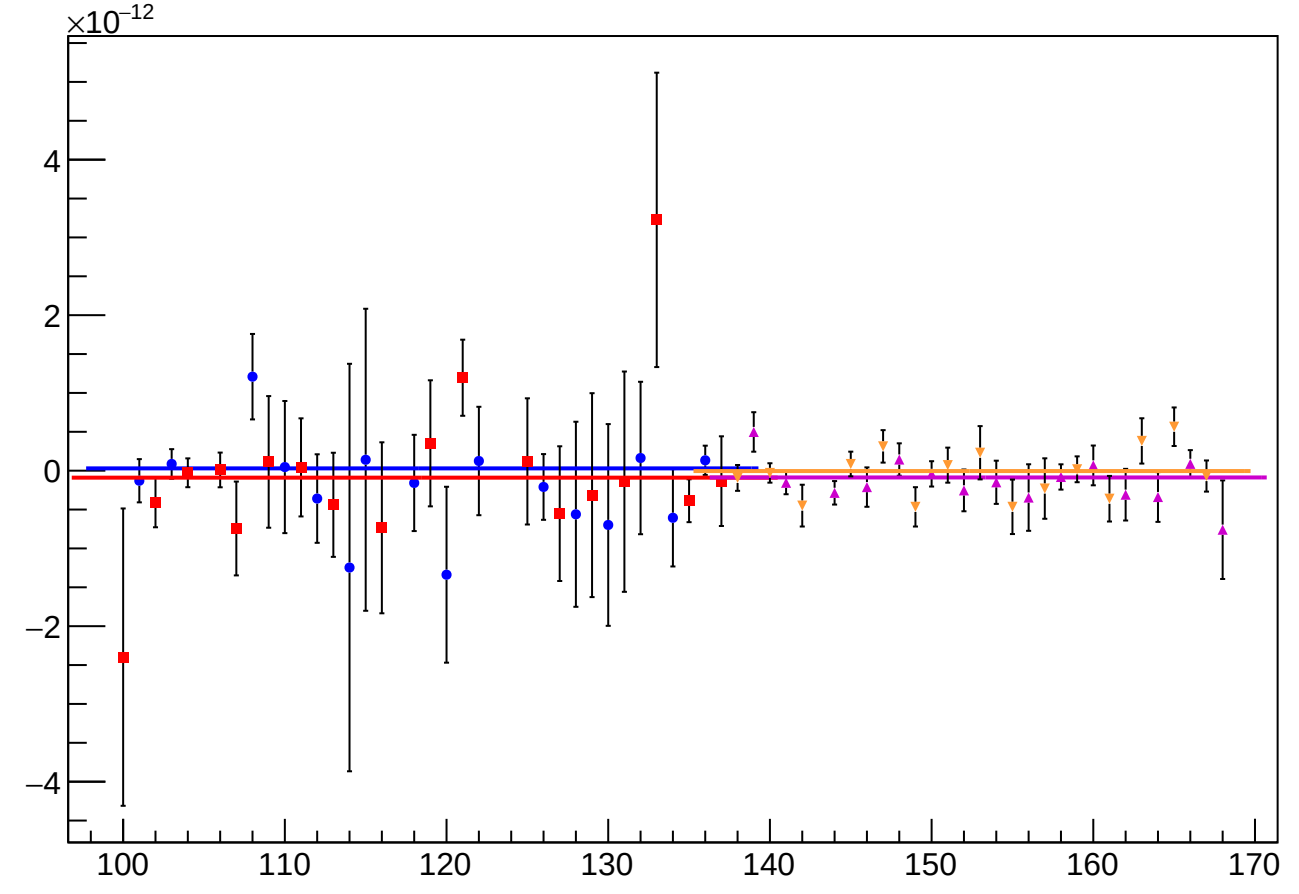
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7816.783+/-1.605 χ^2/NDF:956386.6/14

+ sign 6950.209+/-1.158 χ^2/NDF: 1692848.8/30

All: 6759.372+/-0.799 χ^2/NDF: 4964404.5/63

- sign 6586.245+/-1.103 χ^2/NDF: 3219801.2/32



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.3/14

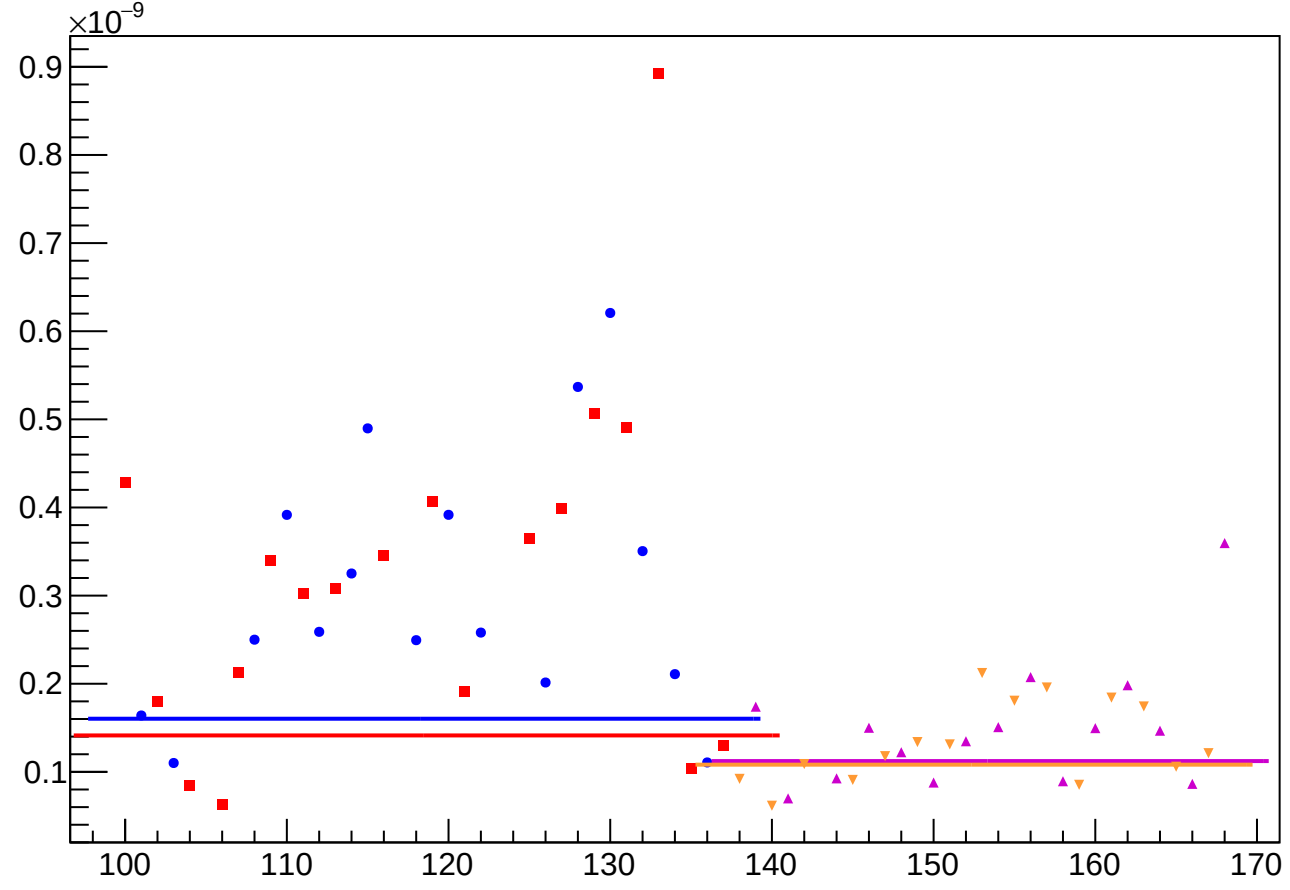
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:13.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 29.9/30

All: -0.000+/-0.000 χ^2/NDF: 61.2/63

- sign -0.000+/-0.000 χ^2/NDF: 29.6/32



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1022185.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

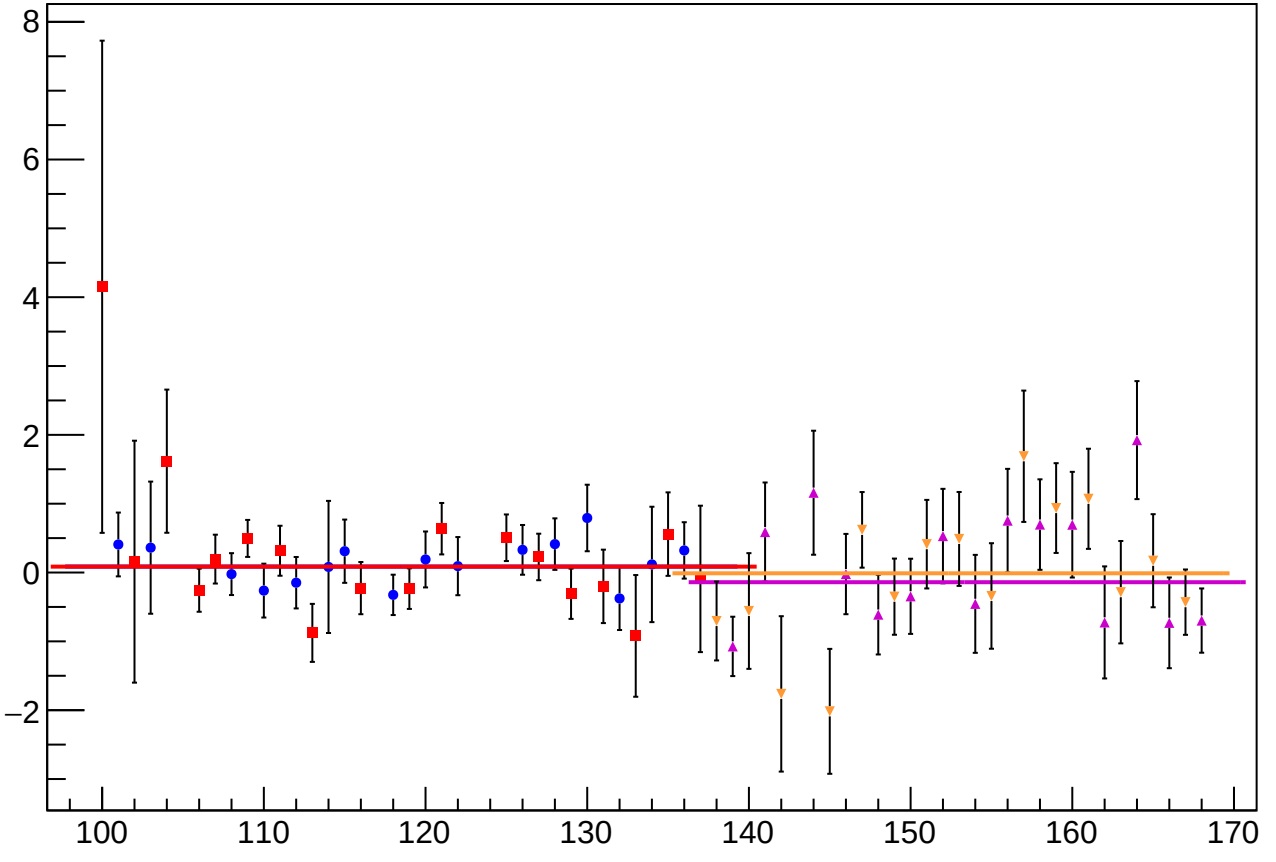
Left In: 0.000+/-0.000 χ^2/NDF:1148780.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 2747510.4/30

All: 0.000+/-0.000 χ^2/NDF: 6186473.7/63

- sign 0.000+/-0.000 χ^2/NDF: 3438830.6/32

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.011+/-0.174 χ^2/NDF:20.5/14

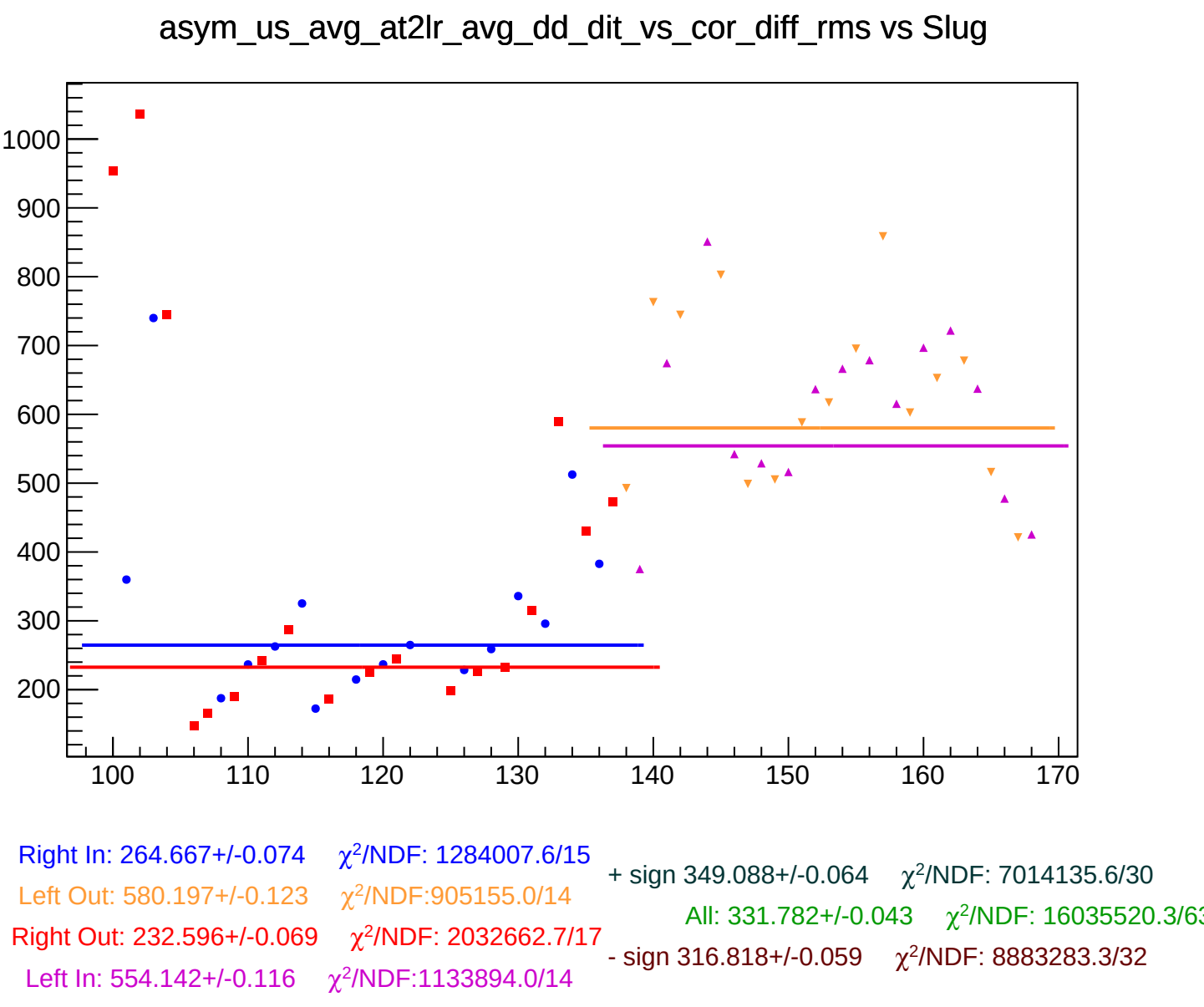
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.141+/-0.163 χ^2/NDF:22.5/14

\+ sign 0.061+/-0.090 χ^2/NDF: 29.6/30

All: 0.042+/-0.061 χ^2/NDF: 75.5/63

\- sign 0.026+/-0.084 χ^2/NDF: 45.8/32


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug
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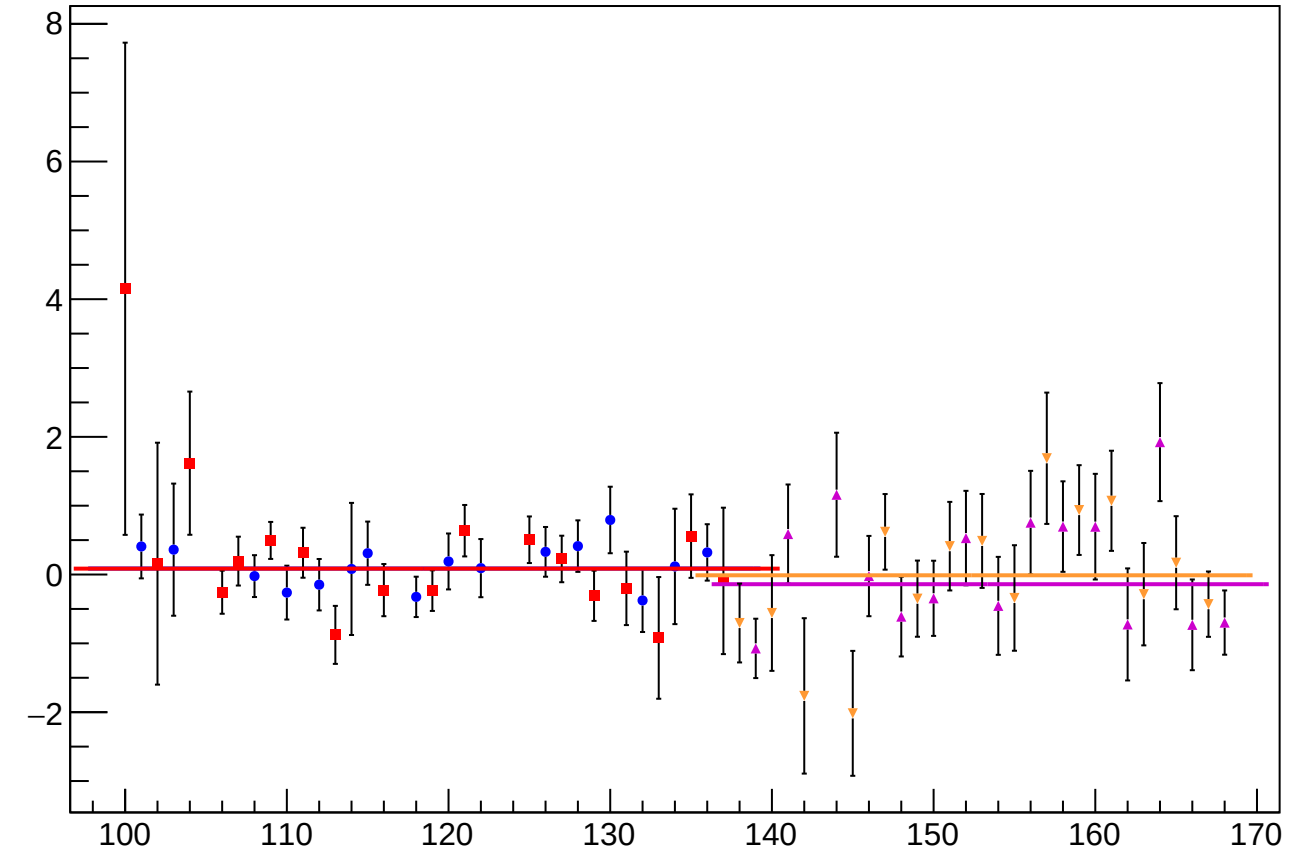
160
170
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 580.197+/-0.123 χ²/NDF:905155.0/14
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 554.142+/-0.116 χ²/NDF:1133894.0/14
+ sign 349.088+/-0.064 χ²/NDF: 7014135.6/30
All: 331.782+/-0.043 χ²/NDF: 16035520.3/63
- sign 316.818+/-0.059 χ²/NDF: 8883283.3/32



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.011+/-0.174 χ^2/NDF:20.5/14

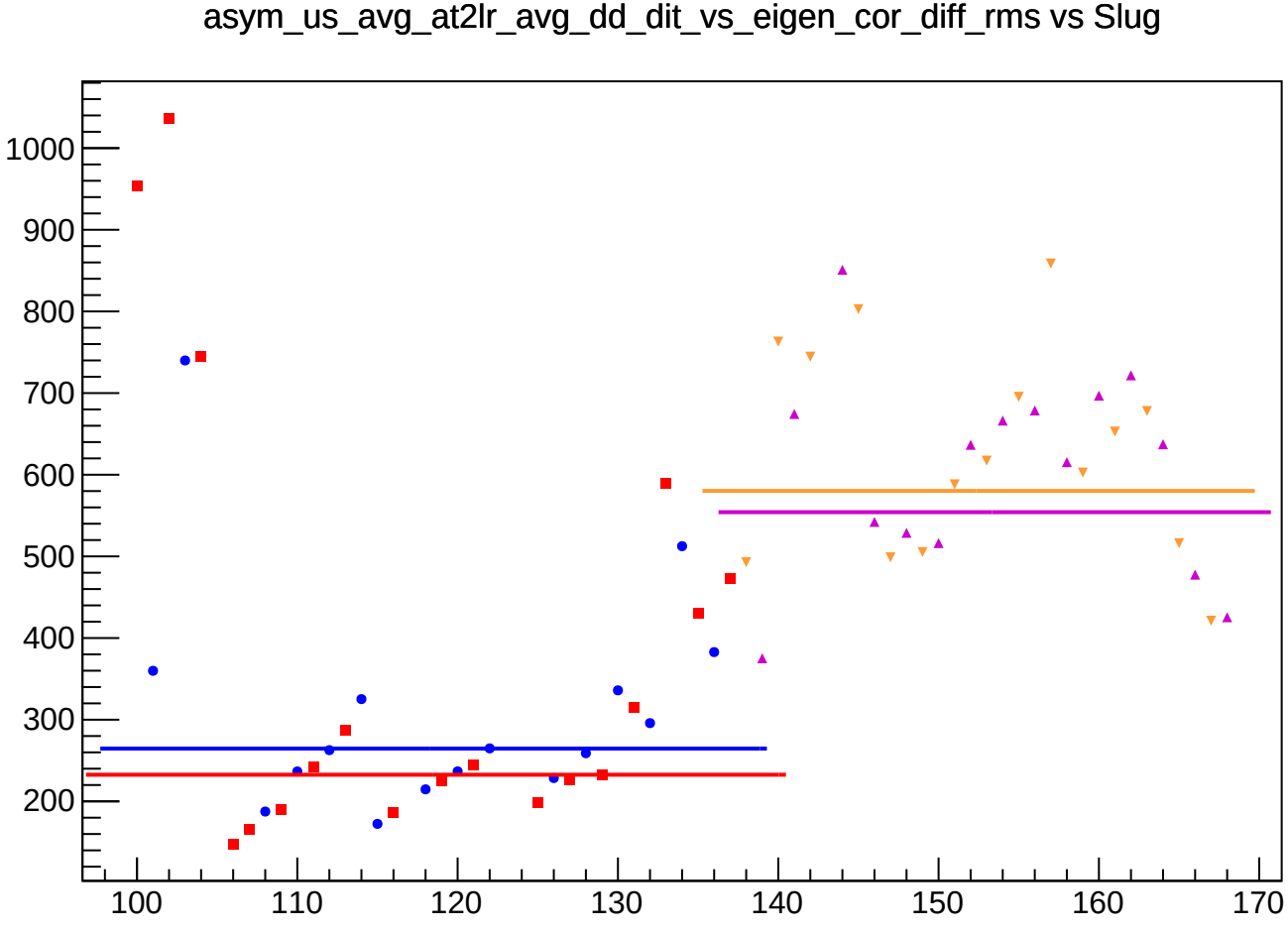
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.141+/-0.163 χ^2/NDF:22.5/14

+ sign 0.061+/-0.090 χ^2/NDF: 29.6/30

All: 0.042+/-0.061 χ^2/NDF: 75.5/63

- sign 0.026+/-0.084 χ^2/NDF: 45.8/32


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1000
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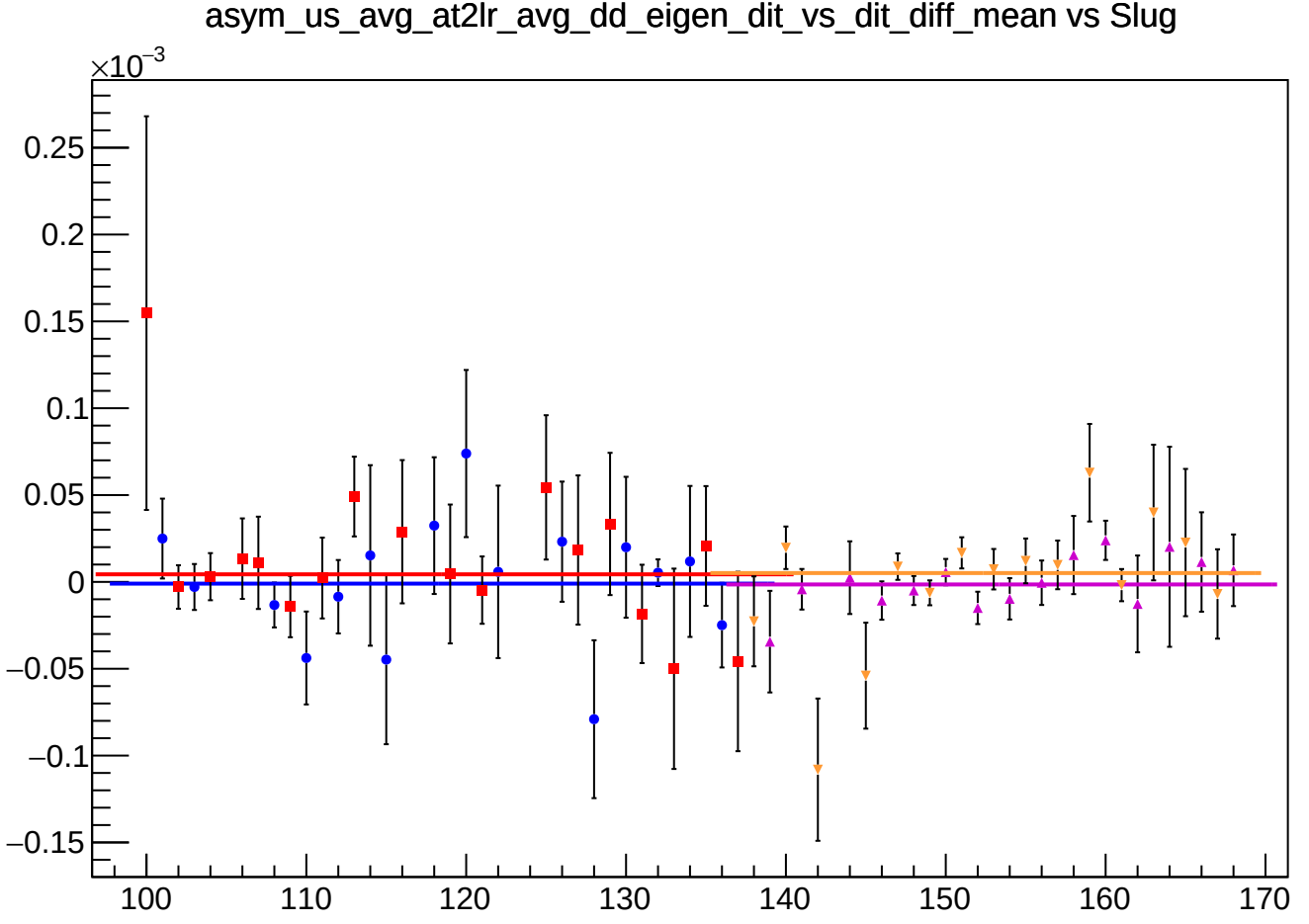
200
100
110
120
130
140
150
160
170
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 580.197+/-0.123 χ²/NDF:905155.0/14
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 554.142+/-0.116 χ²/NDF:1133894.0/14
+ sign 349.088+/-0.064 χ²/NDF: 7014135.6/30
All: 331.782+/-0.043 χ²/NDF: 16035520.3/63
- sign 316.818+/-0.059 χ²/NDF: 8883283.3/32



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/14

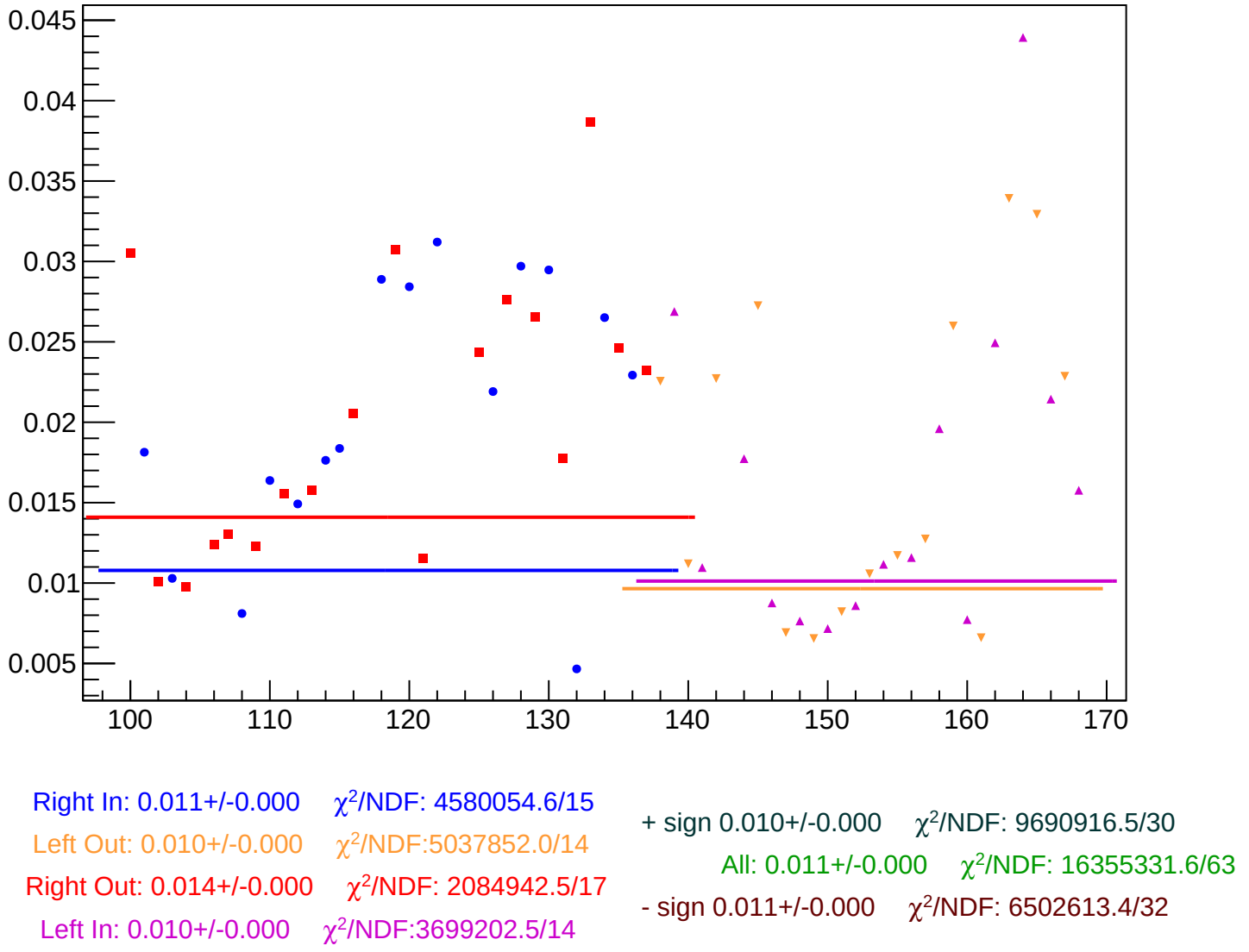
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

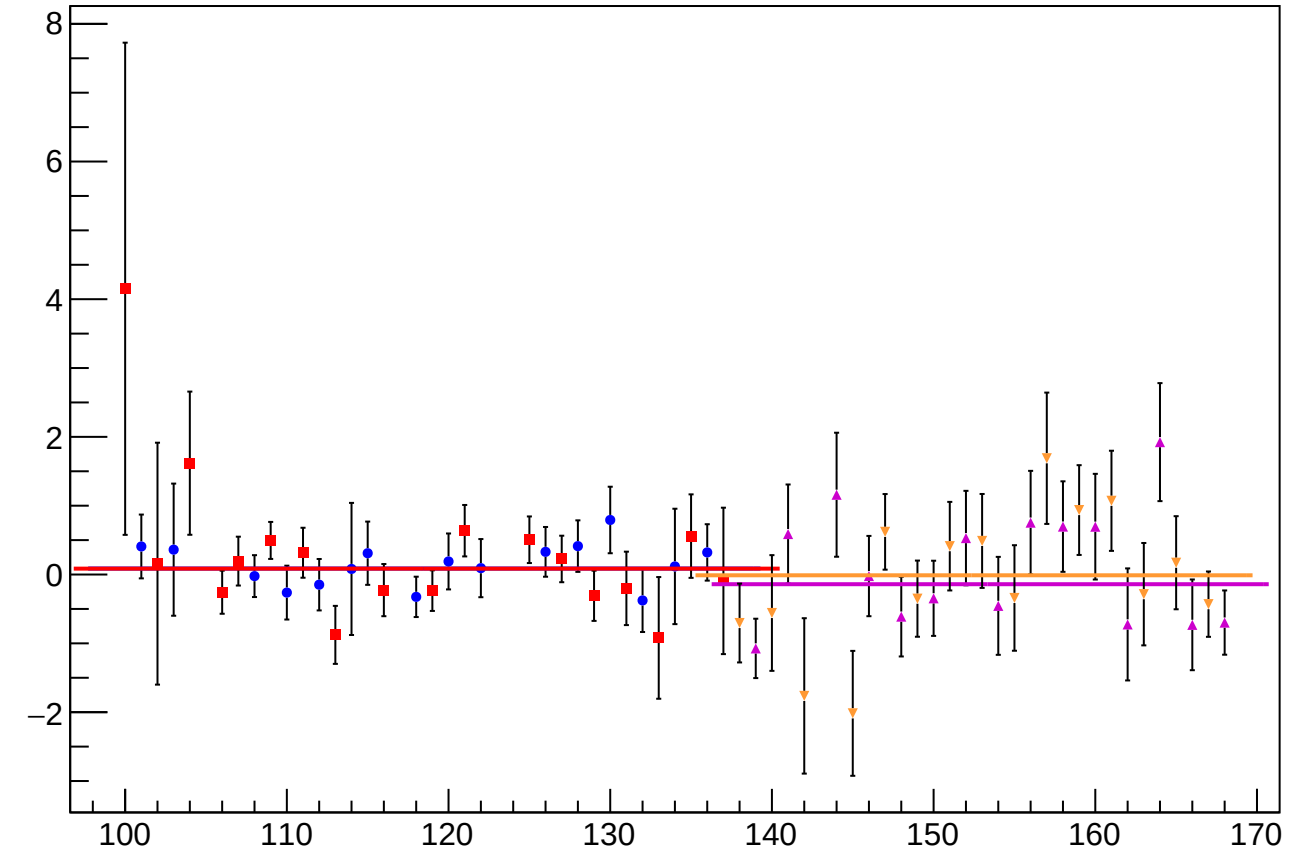
Left In: -0.000+/-0.000 χ^2/NDF:12.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 40.2/30

All: 0.000+/-0.000 χ^2/NDF: 66.3/63

- sign 0.000+/-0.000 χ^2/NDF: 25.3/32


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.011+/-0.000 χ²/NDF: 4580054.6/15
Left Out: 0.010+/-0.000 χ²/NDF:5037852.0/14
Right Out: 0.014+/-0.000 χ²/NDF: 2084942.5/17
Left In: 0.010+/-0.000 χ²/NDF:3699202.5/14
+ sign 0.010+/-0.000 χ²/NDF: 9690916.5/30
All: 0.011+/-0.000 χ²/NDF: 16355331.6/63
- sign 0.011+/-0.000 χ²/NDF: 6502613.4/32



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.011+/-0.174 χ^2/NDF:20.5/14

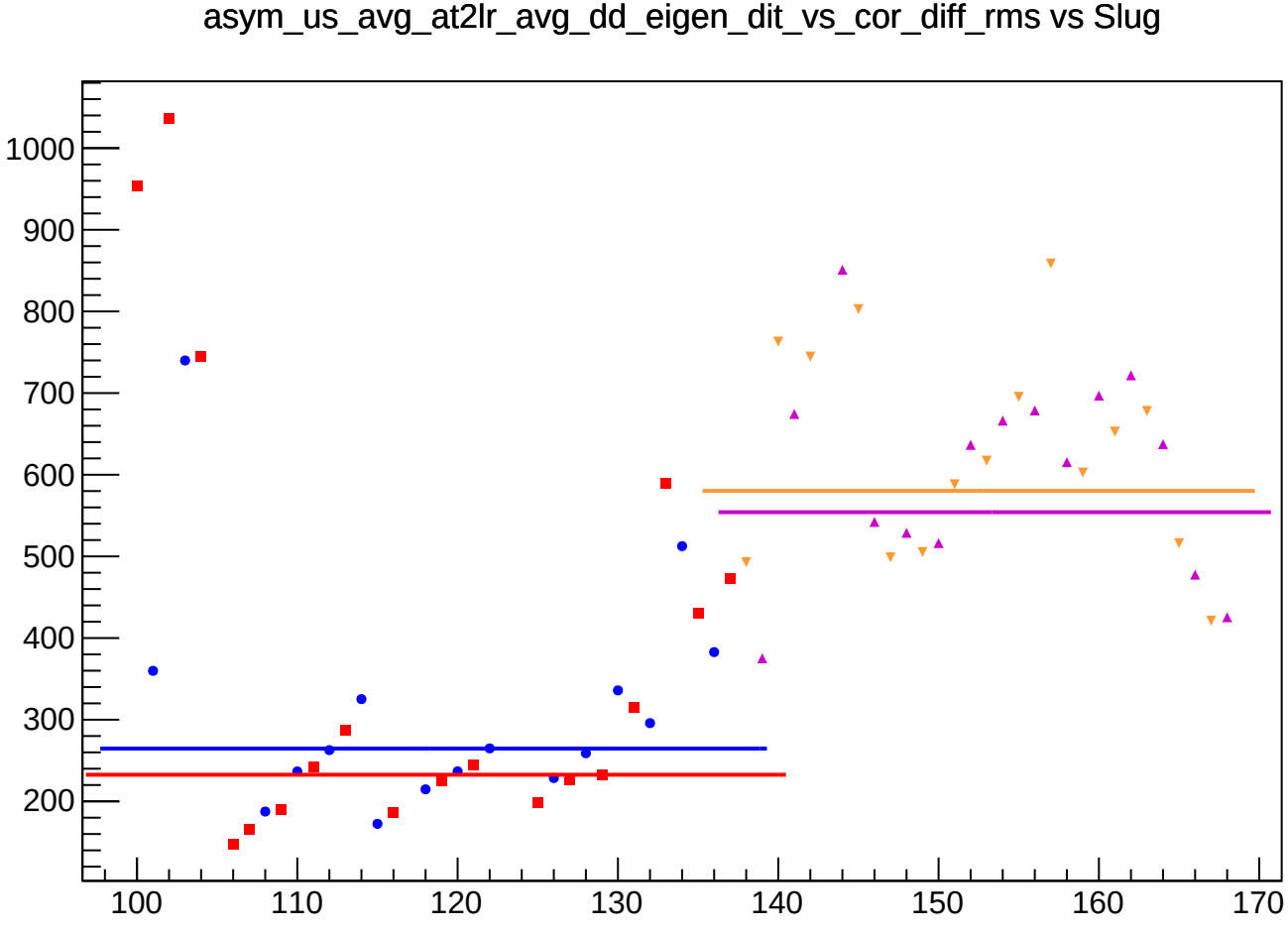
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.141+/-0.163 χ^2/NDF:22.5/14

+ sign 0.061+/-0.090 χ^2/NDF: 29.6/30

All: 0.042+/-0.061 χ^2/NDF: 75.5/63

- sign 0.026+/-0.084 χ^2/NDF: 45.8/32



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 580.205+/-0.123 χ^2/NDF:905170.6/14

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

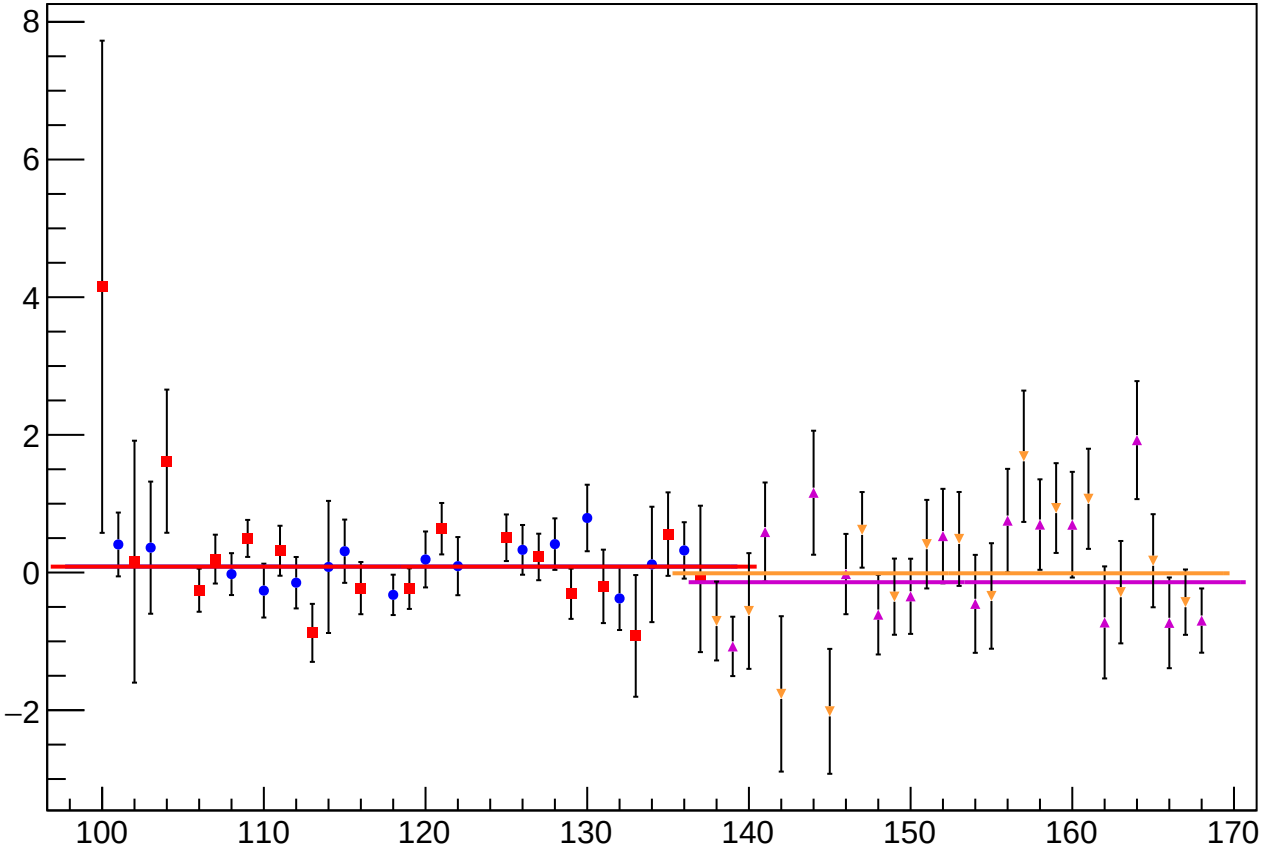
Left In: 554.151+/-0.116 χ^2/NDF:1133862.0/14

+ sign 349.088+/-0.064 χ^2/NDF: 7014271.7/30

All: 331.783+/-0.043 χ^2/NDF: 16035764.8/63

- sign 316.820+/-0.059 χ^2/NDF: 8883402.1/32

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: -0.011+/-0.174 χ^2/NDF:20.5/14

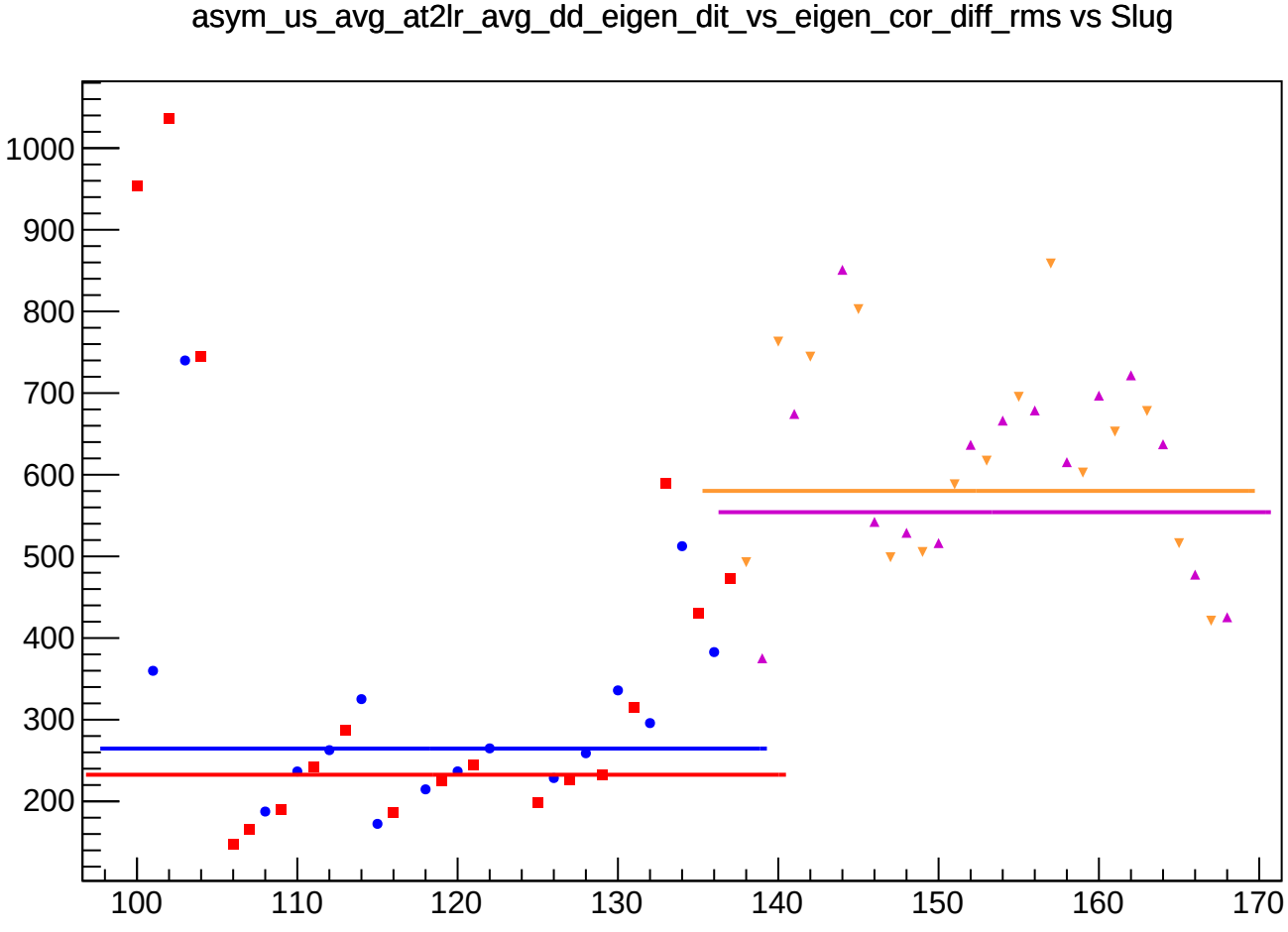
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.141+/-0.163 χ^2/NDF:22.5/14

+ sign 0.061+/-0.090 χ^2/NDF: 29.6/30

All: 0.042+/-0.061 χ^2/NDF: 75.5/63

- sign 0.026+/-0.084 χ^2/NDF: 45.8/32



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 580.205+/-0.123 χ^2/NDF:905170.6/14

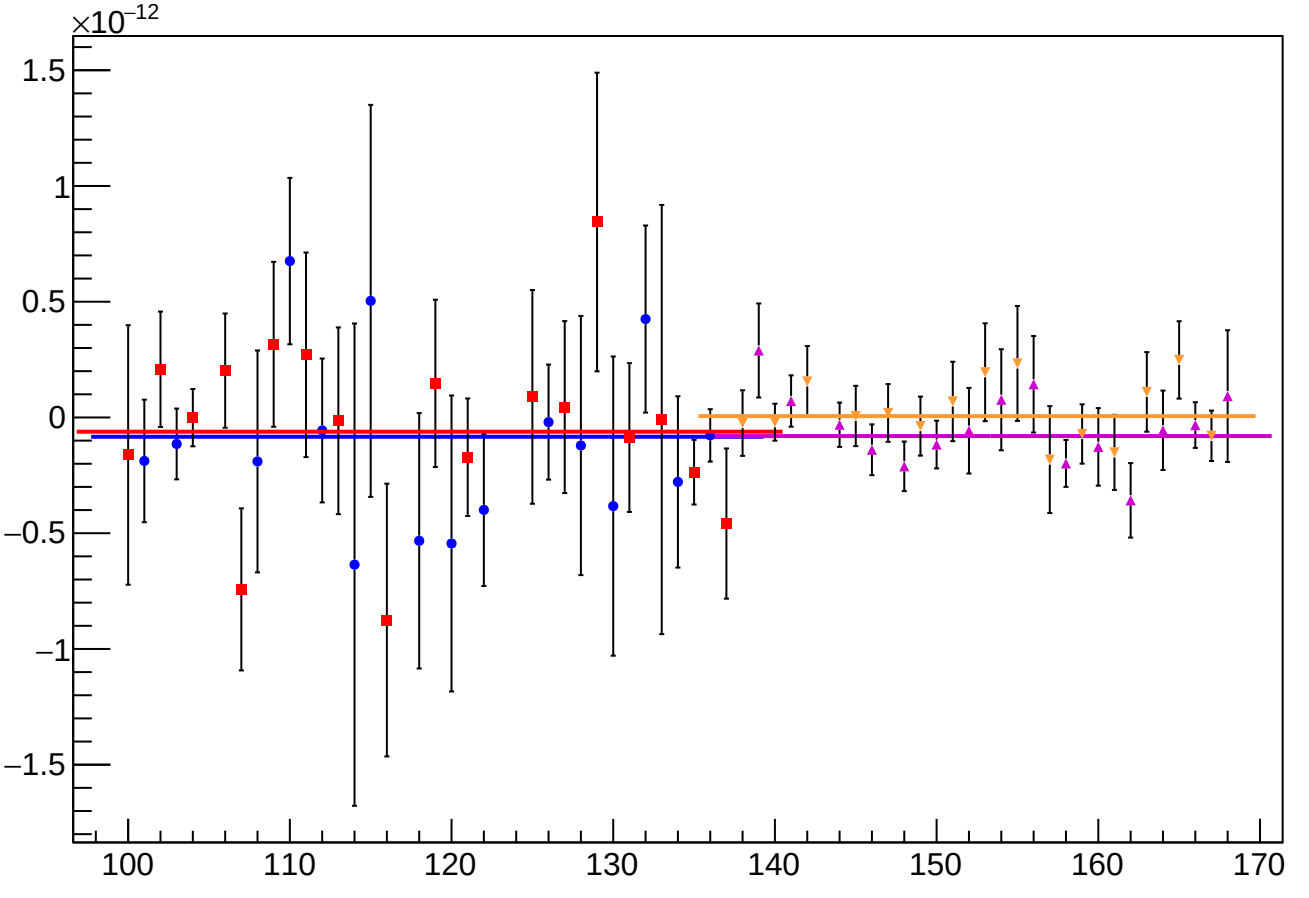
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 554.151+/-0.116 χ^2/NDF:1133862.0/14

+ sign 349.088+/-0.064 χ^2/NDF: 7014271.7/30

All: 331.783+/-0.043 χ^2/NDF: 16035764.8/63

- sign 316.820+/-0.059 χ^2/NDF: 8883402.1/32



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/14

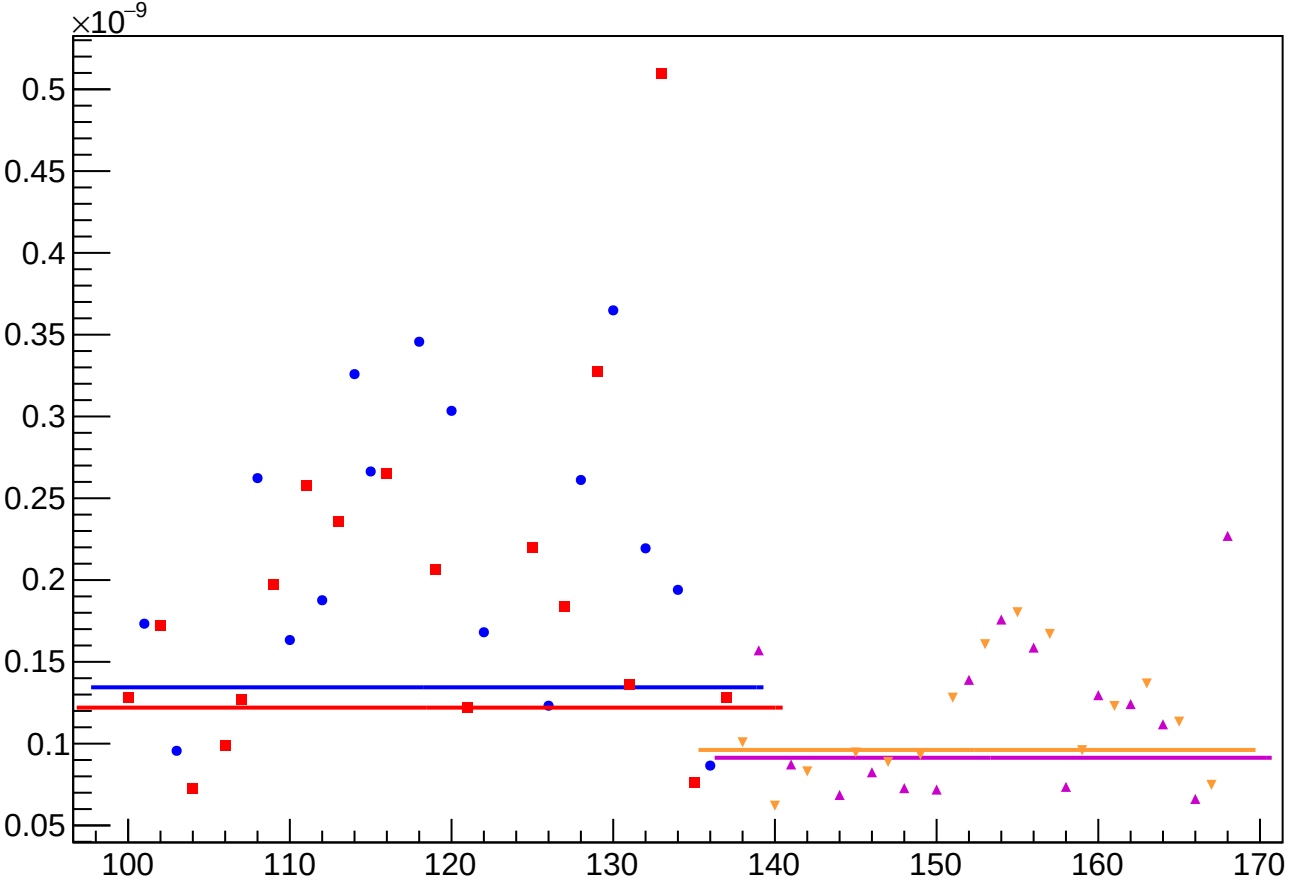
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:14.1/14

+ sign -0.000+/-0.000 χ^2/NDF: 19.1/30

All: -0.000+/-0.000 χ^2/NDF: 51.1/63

- sign -0.000+/-0.000 χ^2/NDF: 29.9/32



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1329327.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

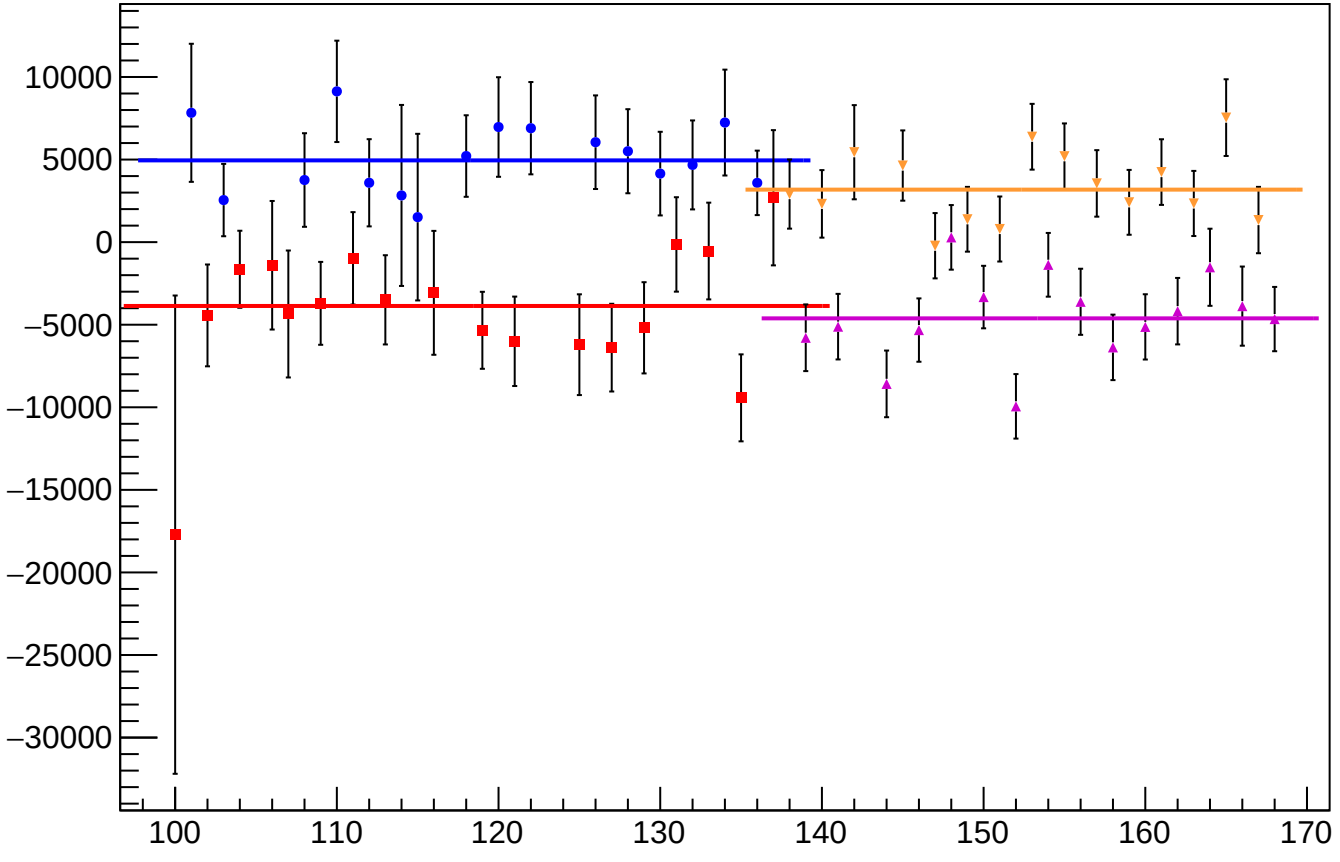
Left In: 0.000+/-0.000 χ^2/NDF:1972663.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 3629048.3/30

All: 0.000+/-0.000 χ^2/NDF: 8001156.8/63

- sign 0.000+/-0.000 χ^2/NDF: 4330351.5/32

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3179.427+/-531.468 χ^2/NDF:15.2/14

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

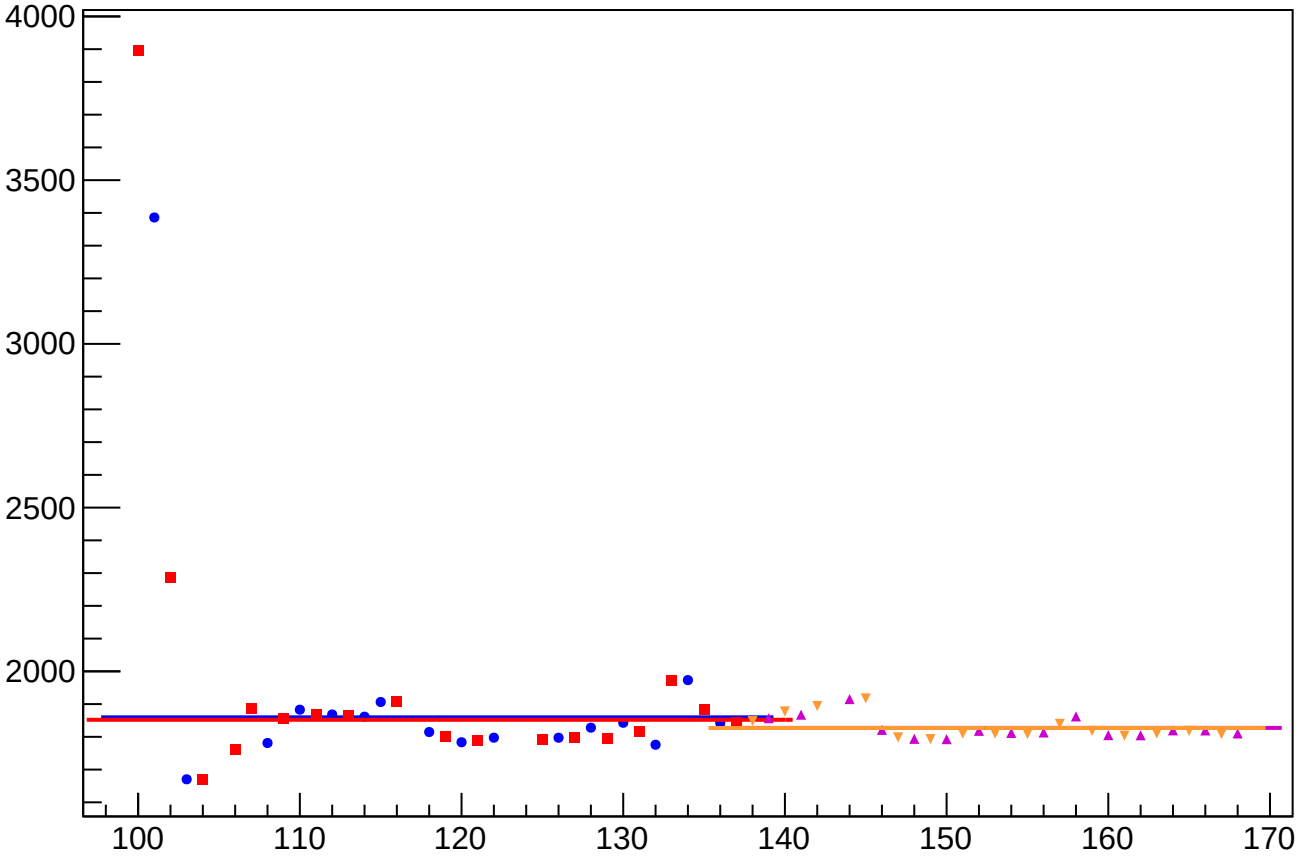
Left In: -4615.748+/-518.751 χ^2/NDF:24.4/14

+ sign 3828.224+/-423.054 χ^2/NDF: 26.1/30

All: -329.548+/-296.577 χ^2/NDF: 257.4/63

- sign -4347.578+/-415.884 χ^2/NDF: 41.3/32

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1826.991+/-0.376 χ^2/NDF:8376.7/14

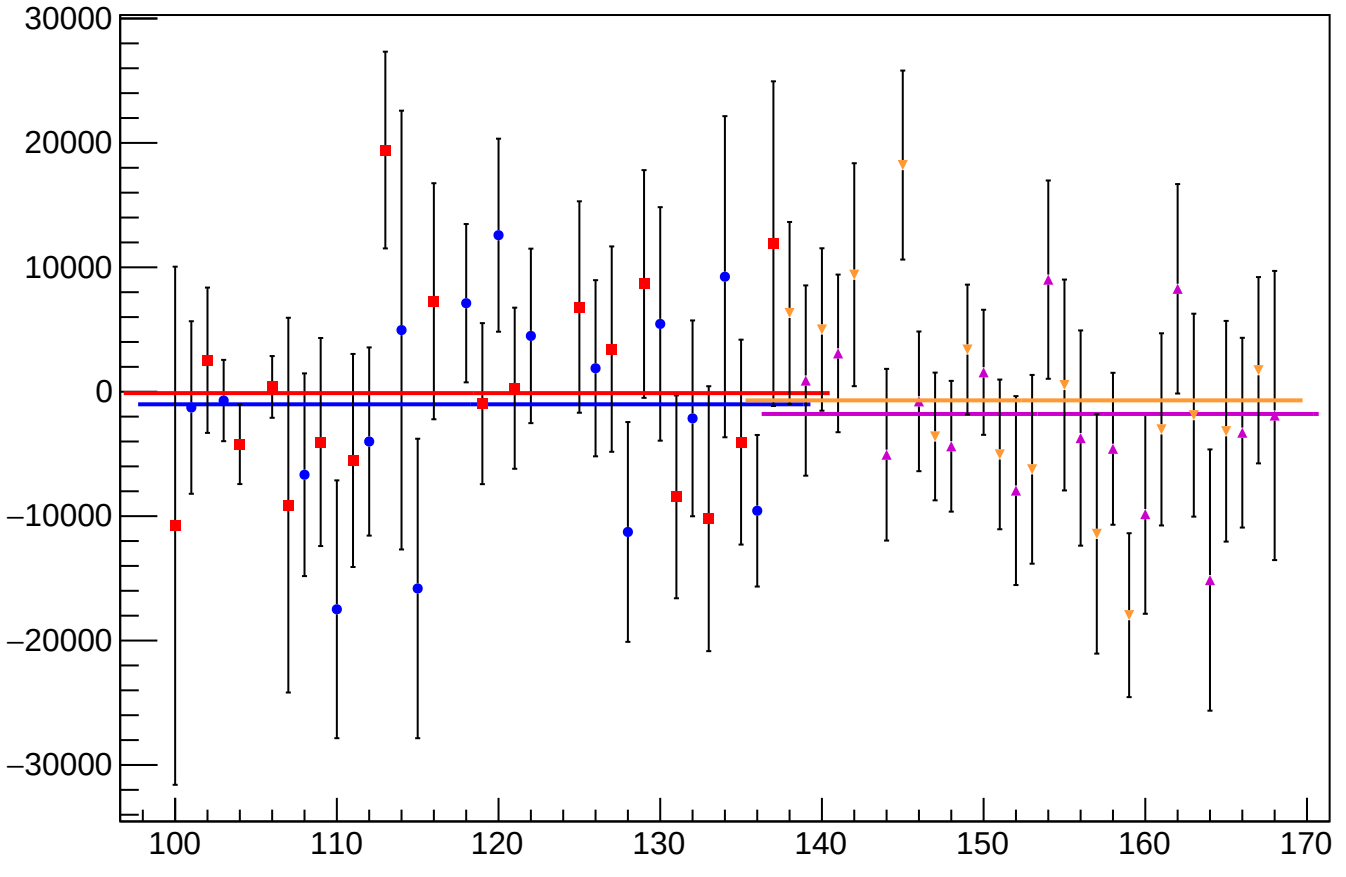
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1827.272+/-0.367 χ^2/NDF:7895.3/14

+ sign 1838.905+/-0.299 χ^2/NDF: 303454.3/30

All: 1837.510+/-0.210 χ^2/NDF: 415243.5/63

- sign 1836.164+/-0.294 χ^2/NDF: 111746.4/32



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -692.006+/-1820.474 χ^2/NDF:19.6/14

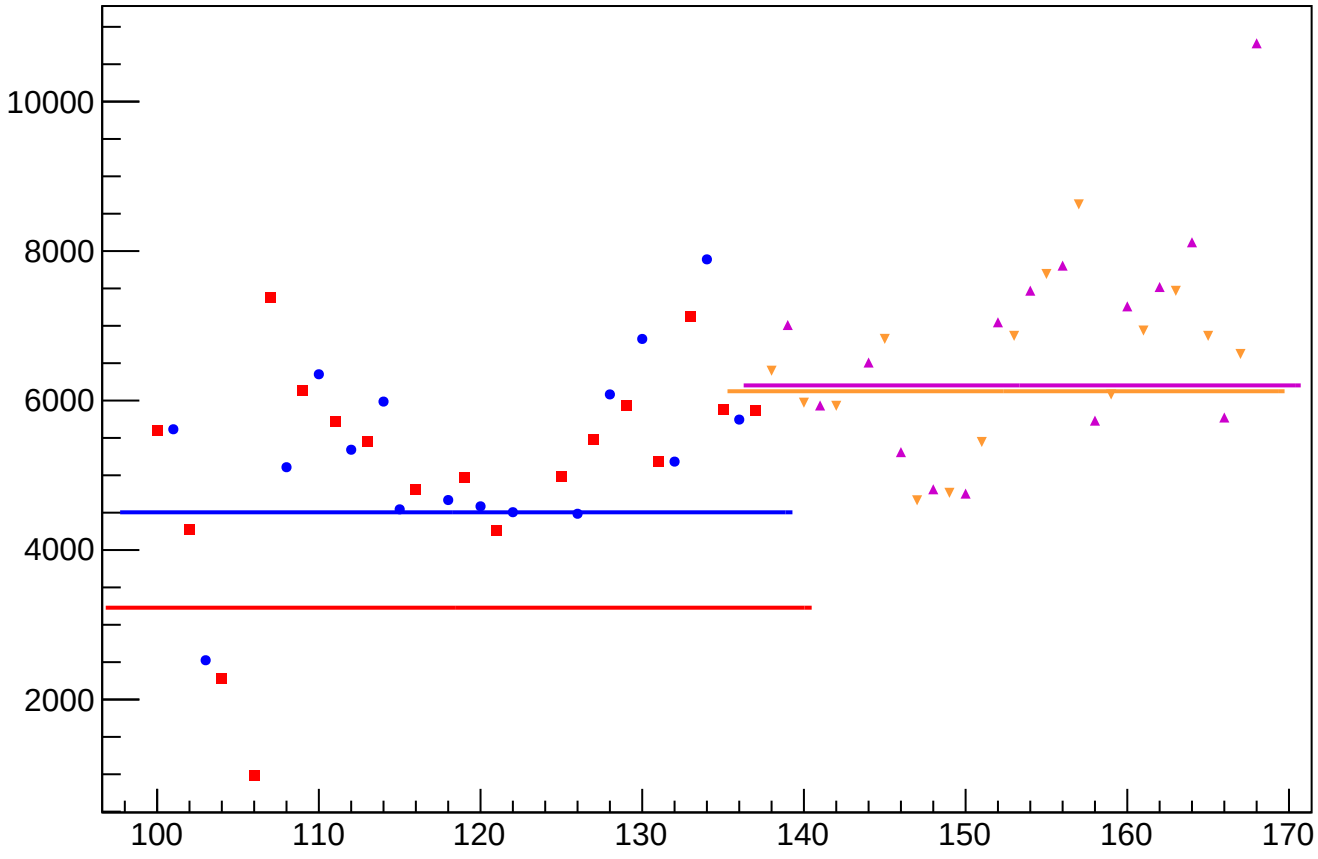
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -1786.325+/-1804.249 χ^2/NDF:8.5/14

+ sign -856.144+/-1266.898 χ^2/NDF: 34.3/30

All: -803.634+/-841.114 χ^2/NDF: 58.0/63

- sign -762.245+/-1124.775 χ^2/NDF: 23.7/32



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6124.536+/-1.287 χ^2/NDF:666400.5/14

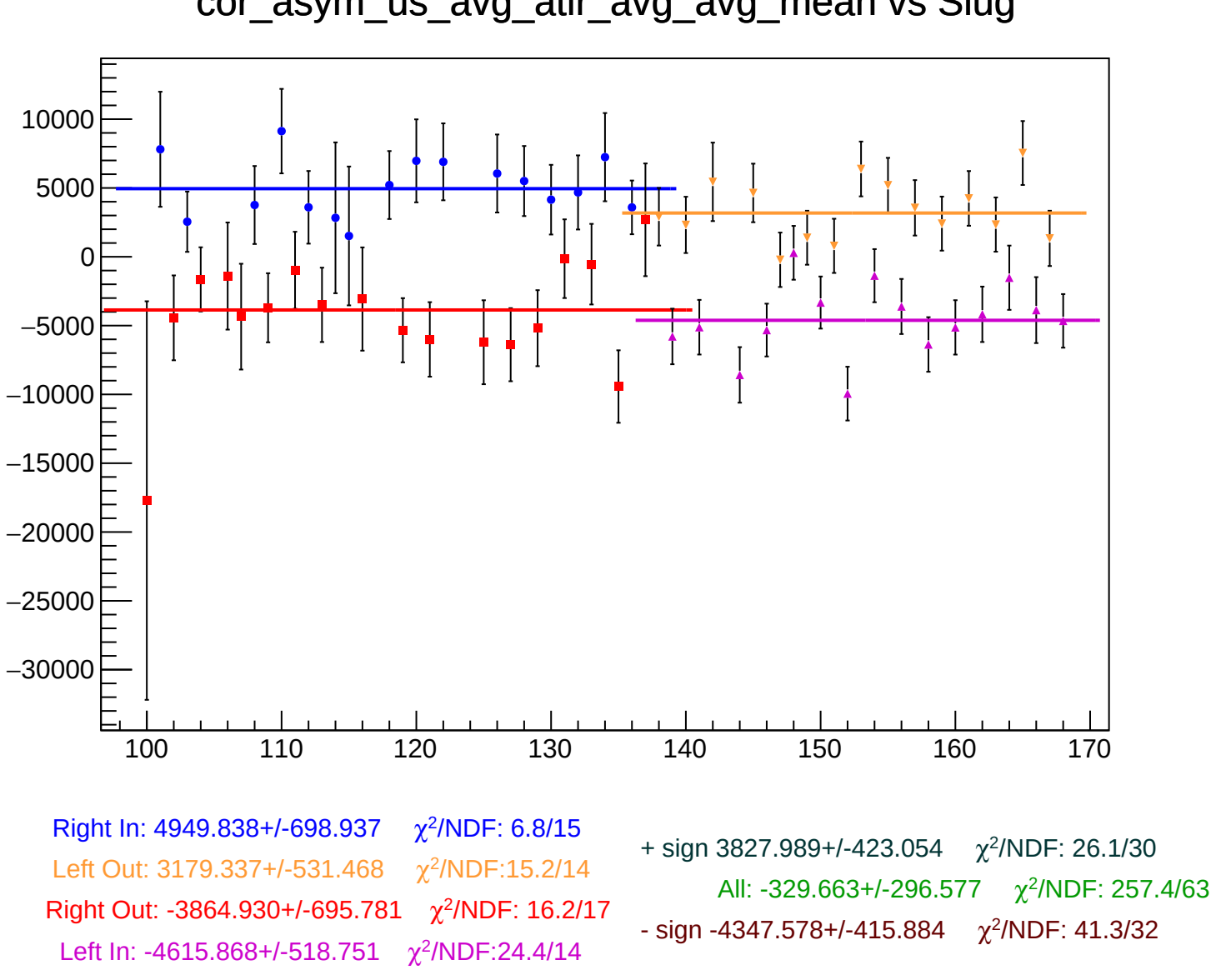
Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6202.715+/-1.276 χ^2/NDF:1009058.5/14

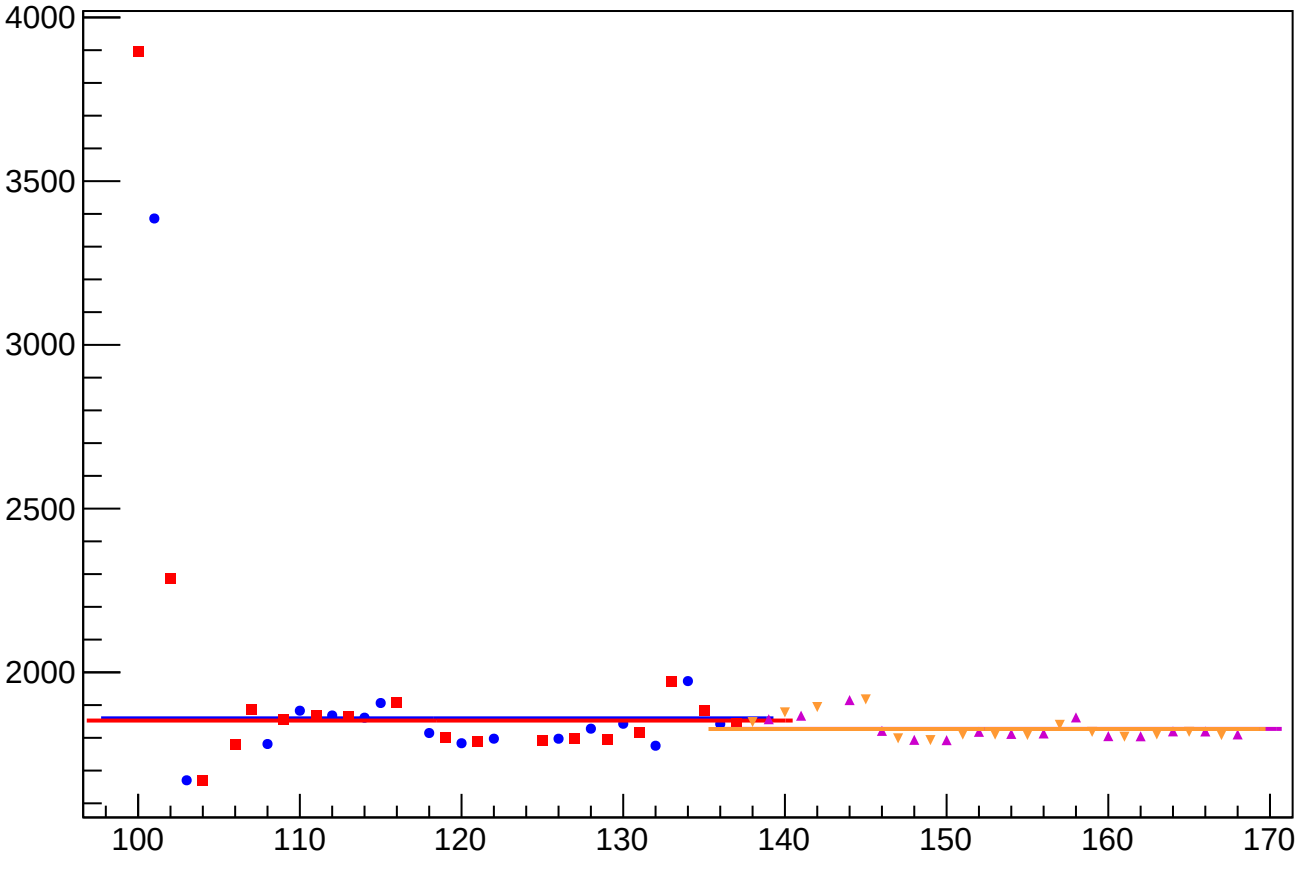
+ sign 5289.232+/-0.896 χ^2/NDF: 2803999.5/30

All: 4783.258+/-0.595 χ^2/NDF: 11662327.8/6

- sign 4384.439+/-0.795 χ^2/NDF: 8287871.1/32


cor_asym_us_avg_atlr_avg_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: 4949.838+/-698.937 χ²/NDF: 6.8/15
Left Out: 3179.337+/-531.468 χ²/NDF:15.2/14
Right Out: -3864.930+/-695.781 χ²/NDF: 16.2/17
Left In: -4615.868+/-518.751 χ²/NDF:24.4/14
+ sign 3827.989+/-423.054 χ²/NDF: 26.1/30
All: -329.663+/-296.577 χ²/NDF: 257.4/63
- sign -4347.578+/-415.884 χ²/NDF: 41.3/32

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1826.991+/-0.376 χ^2/NDF:8376.7/14

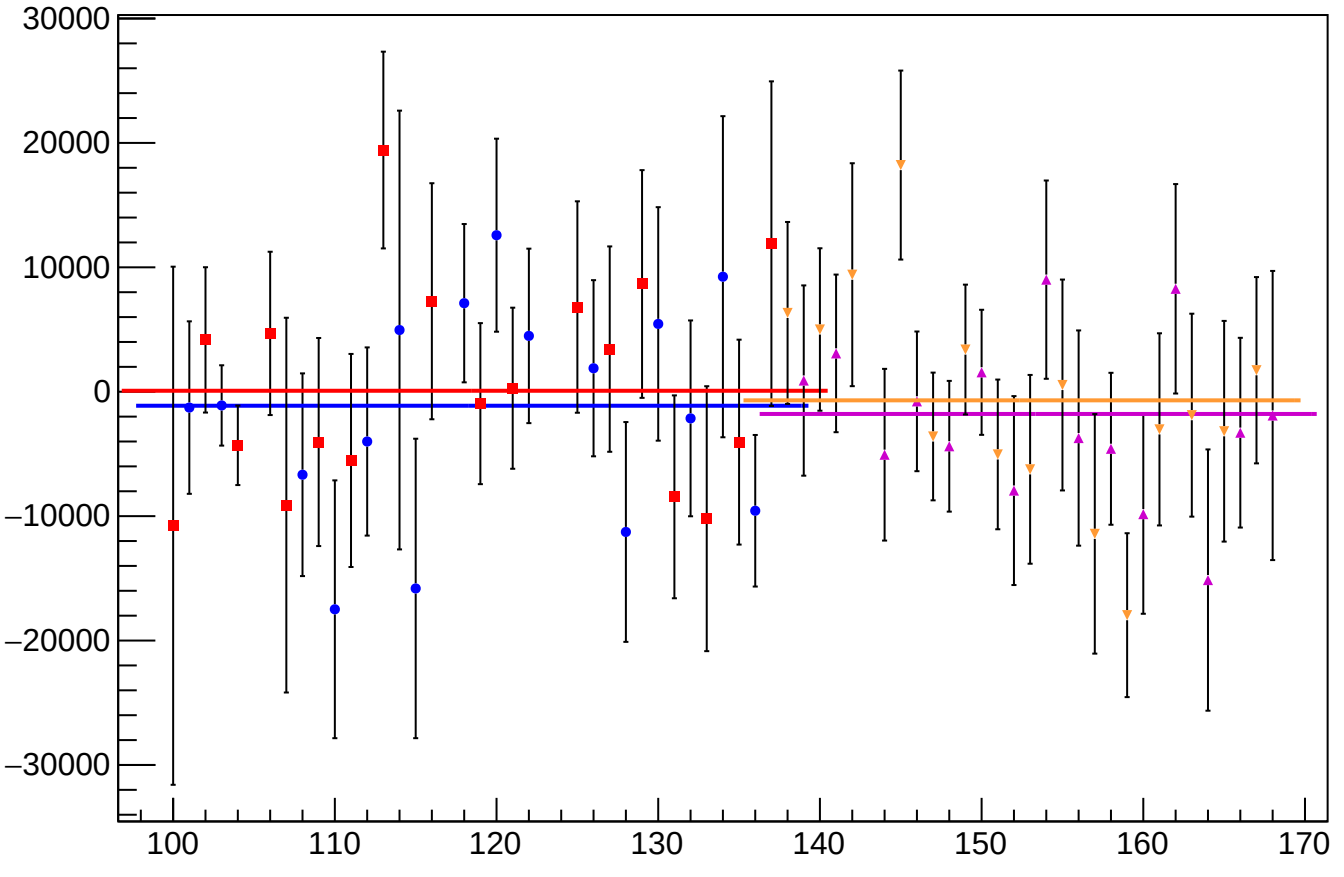
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1827.272+/-0.367 χ^2/NDF:7895.3/14

+ sign 1838.905+/-0.299 χ^2/NDF: 303456.2/30

All: 1837.637+/-0.210 χ^2/NDF: 414869.8/63

- sign 1836.414+/-0.294 χ^2/NDF: 111378.3/32



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -692.049+/-1820.472 χ^2/NDF:19.6/14

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

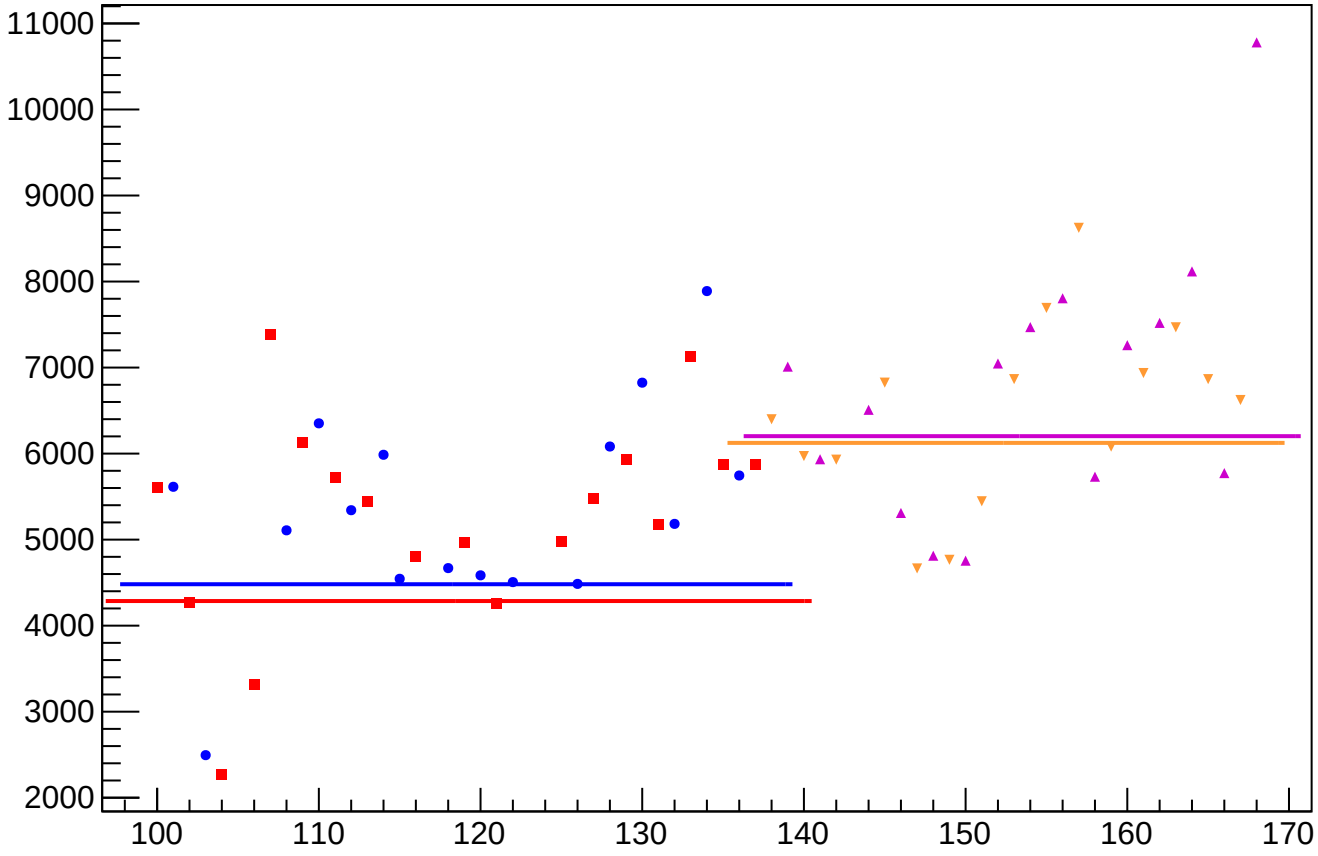
Left In: -1786.497+/-1804.249 χ^2/NDF:8.5/14

+ sign -916.389+/-1264.556 χ^2/NDF: 34.3/30

All: -856.982+/-884.724 χ^2/NDF: 58.9/63

- sign -800.022+/-1238.236 χ^2/NDF: 24.6/32

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: 6124.528+/-1.287 χ^2/NDF:666406.4/14

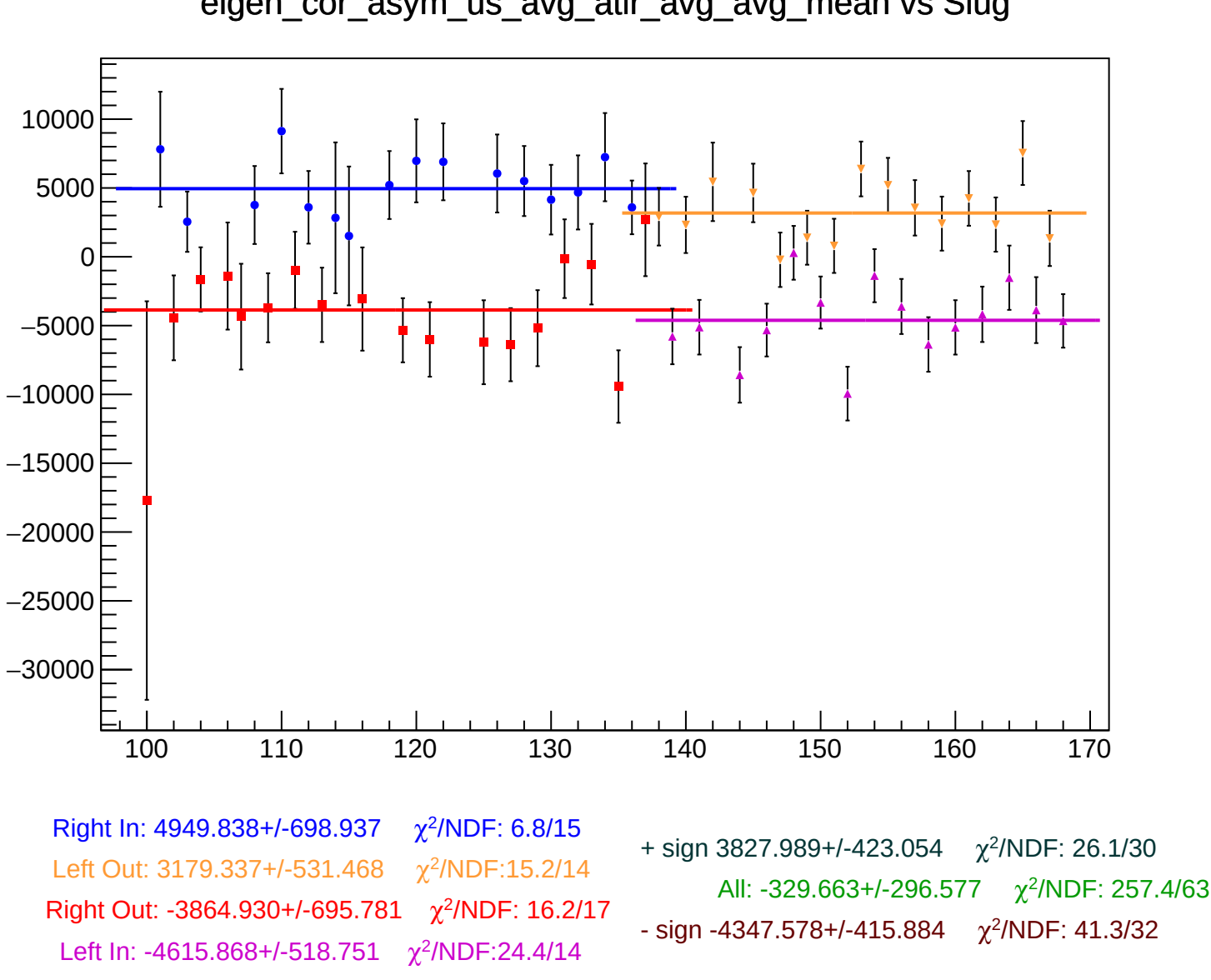
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6202.715+/-1.276 χ^2/NDF:1009066.0/14

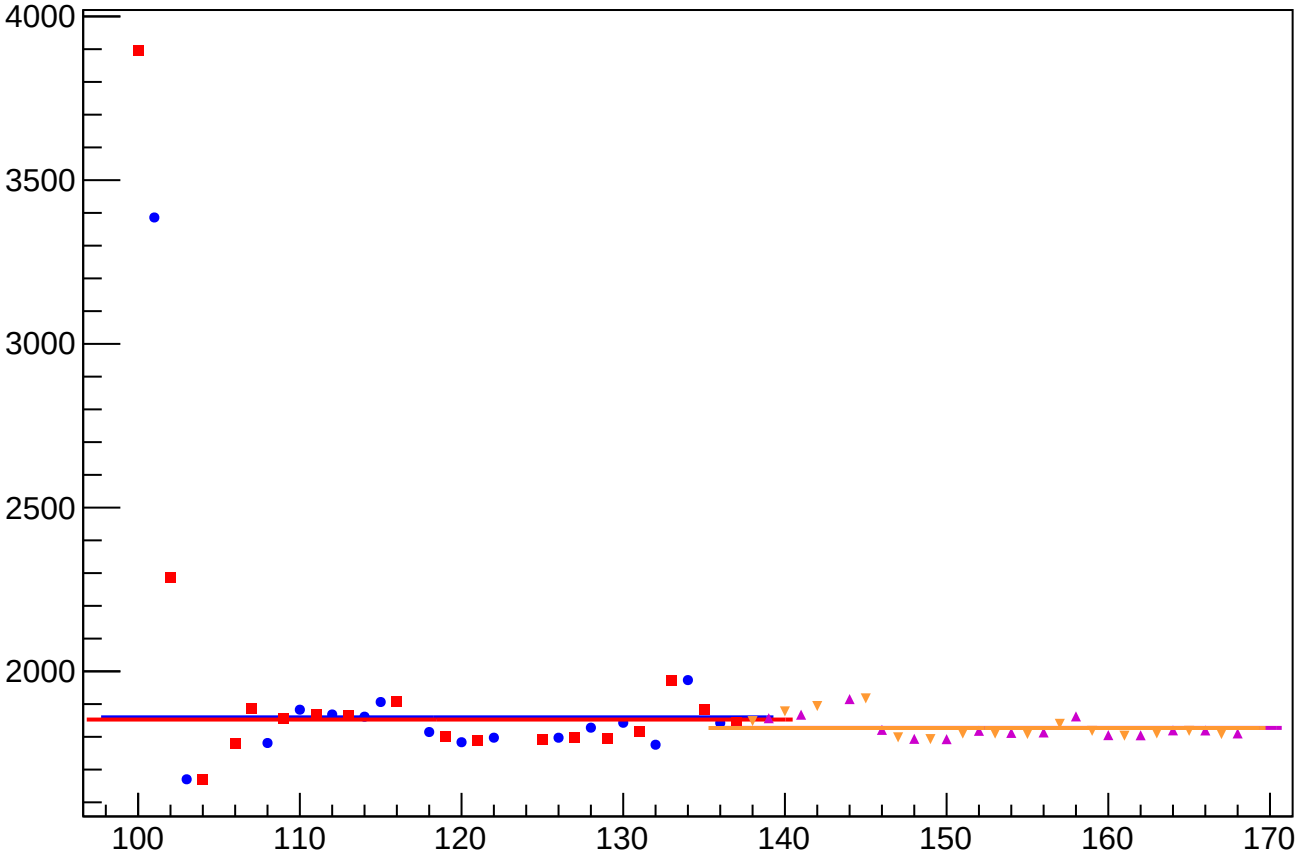
+ sign 5274.291+/-0.894 χ^2/NDF: 2871690.4/30

All: 5230.659+/-0.626 χ^2/NDF: 6629142.7/63

- sign 5188.825+/-0.876 χ^2/NDF: 3752788.4/32


eigen_cor_asym_us_avg_atlr_avg_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: 4949.838+/-698.937 χ²/NDF: 6.8/15
Left Out: 3179.337+/-531.468 χ²/NDF:15.2/14
Right Out: -3864.930+/-695.781 χ²/NDF: 16.2/17
Left In: -4615.868+/-518.751 χ²/NDF:24.4/14
+ sign 3827.989+/-423.054 χ²/NDF: 26.1/30
All: -329.663+/-296.577 χ²/NDF: 257.4/63
- sign -4347.578+/-415.884 χ²/NDF: 41.3/32

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1826.991+/-0.376 χ^2/NDF:8376.7/14

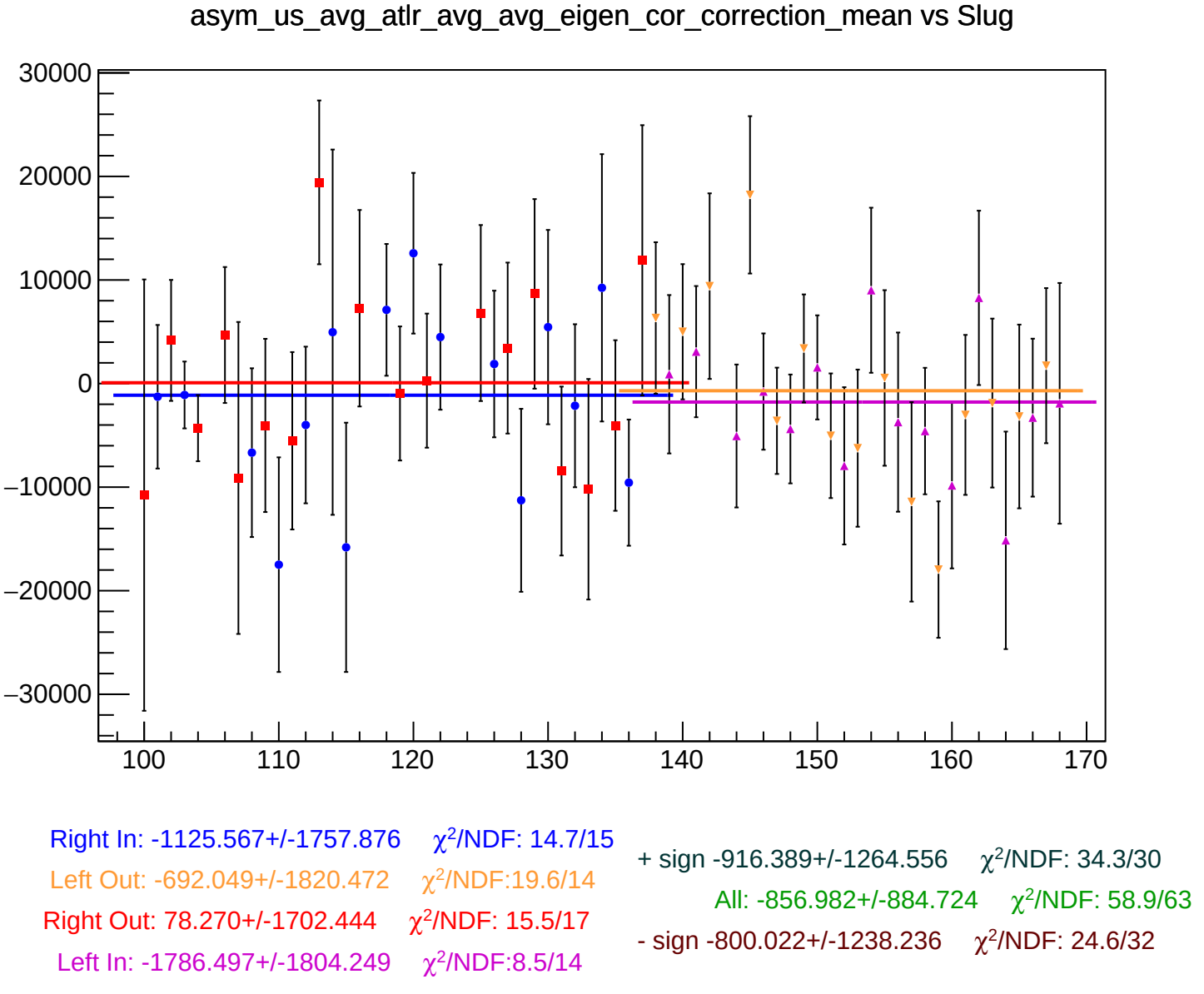
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

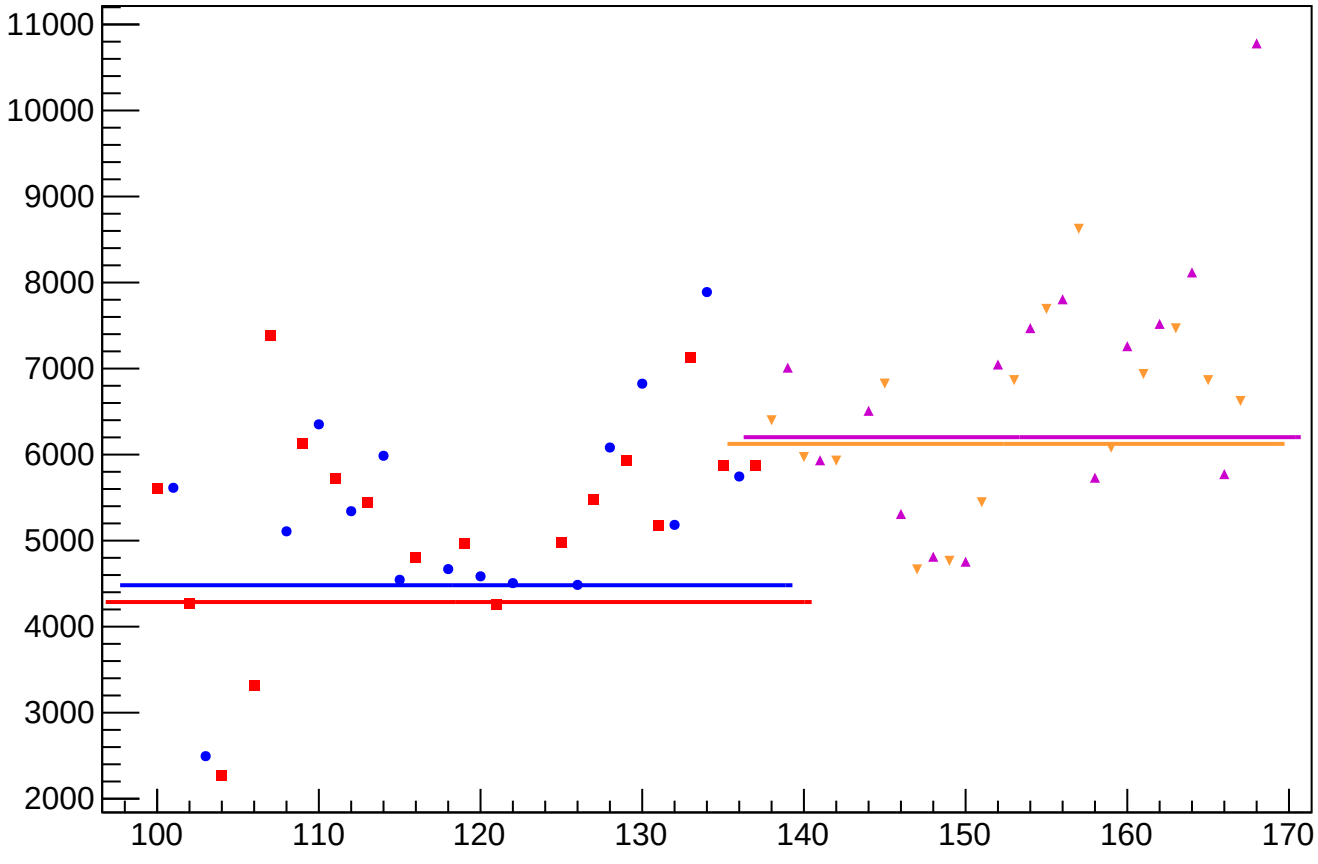
Left In: 1827.272+/-0.367 χ^2/NDF:7895.3/14

+ sign 1838.905+/-0.299 χ^2/NDF: 303456.2/30

All: 1837.637+/-0.210 χ^2/NDF: 414869.8/63

- sign 1836.414+/-0.294 χ^2/NDF: 111378.3/32


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: -692.049+/-1820.472 χ²/NDF:19.6/14
Right Out: 78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: -1786.497+/-1804.249 χ²/NDF:8.5/14
+ sign -916.389+/-1264.556 χ²/NDF: 34.3/30
All: -856.982+/-884.724 χ²/NDF: 58.9/63
- sign -800.022+/-1238.236 χ²/NDF: 24.6/32



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6124.528+/-1.287 χ^2/NDF:666406.4/14

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

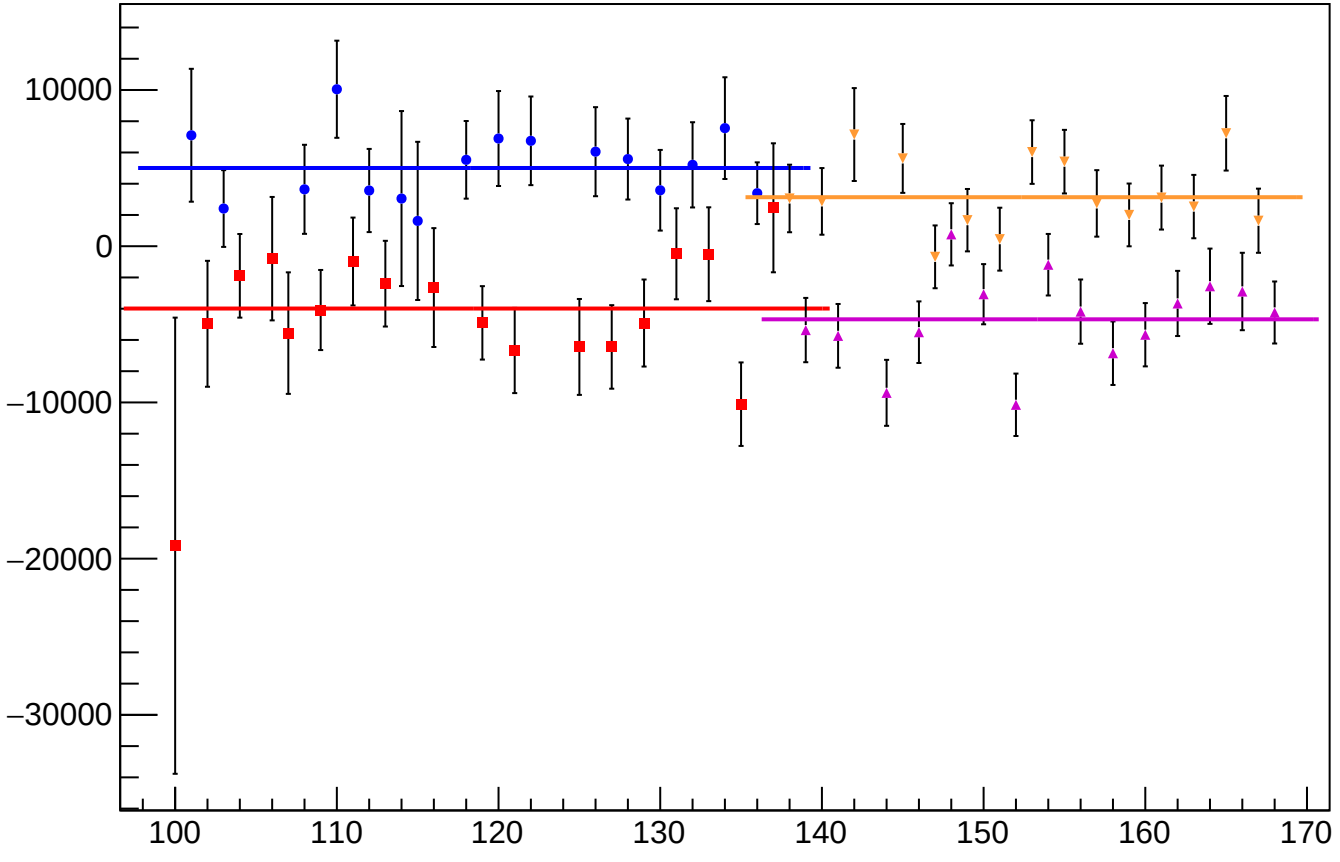
Left In: 6202.715+/-1.276 χ^2/NDF:1009066.0/14

+ sign 5274.291+/-0.894 χ^2/NDF: 2871690.4/30

All: 5230.659+/-0.626 χ^2/NDF: 6629142.7/63

- sign 5188.825+/-0.876 χ^2/NDF: 3752788.4/32

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3137.287+/-546.934 χ^2/NDF:16.2/14

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

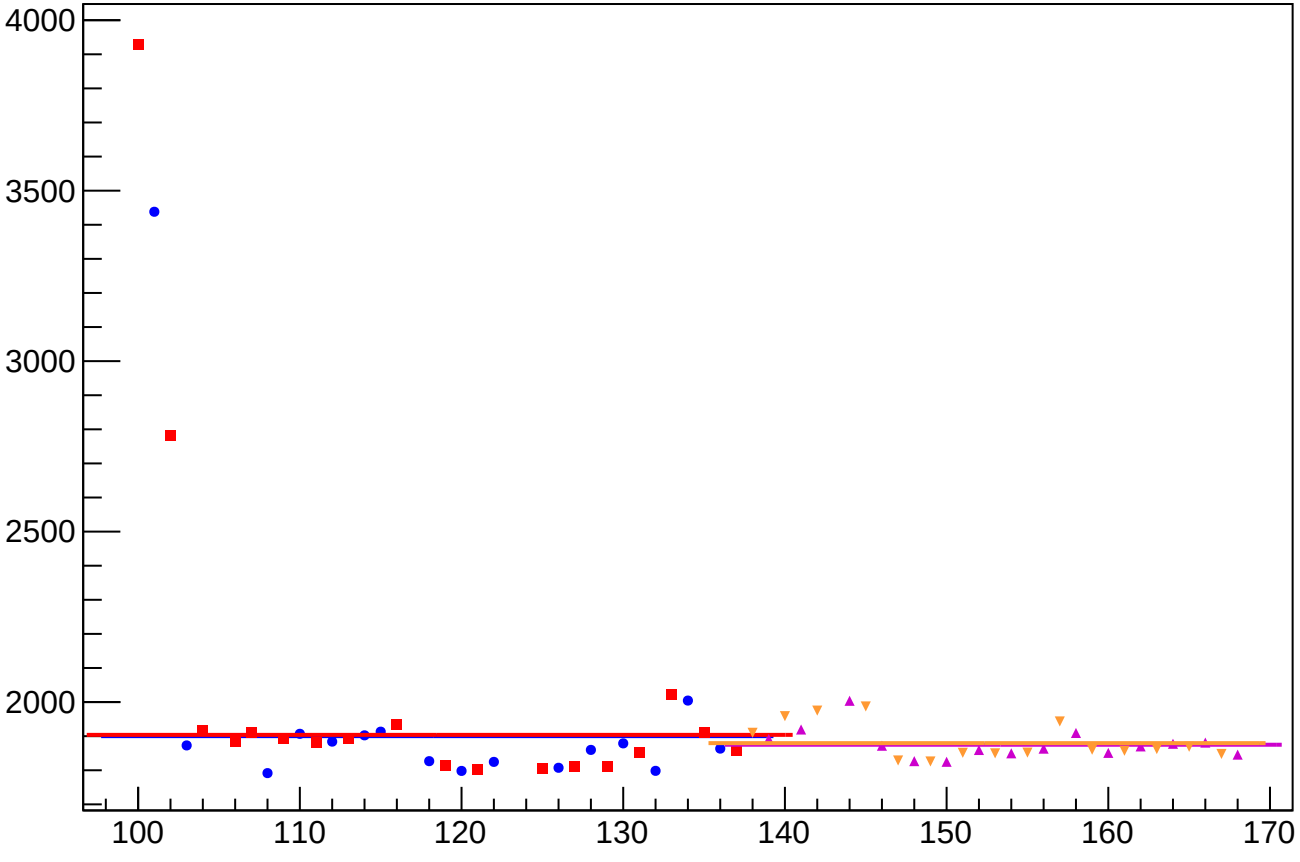
Left In: -4679.314+/-532.365 χ^2/NDF:27.3/14

+ sign 3828.733+/-434.201 χ^2/NDF: 28.2/30

All: -363.929+/-304.758 χ^2/NDF: 257.3/63

- sign -4434.953+/-427.856 χ^2/NDF: 45.3/32

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1879.579+/-0.387 χ^2/NDF:16766.6/14

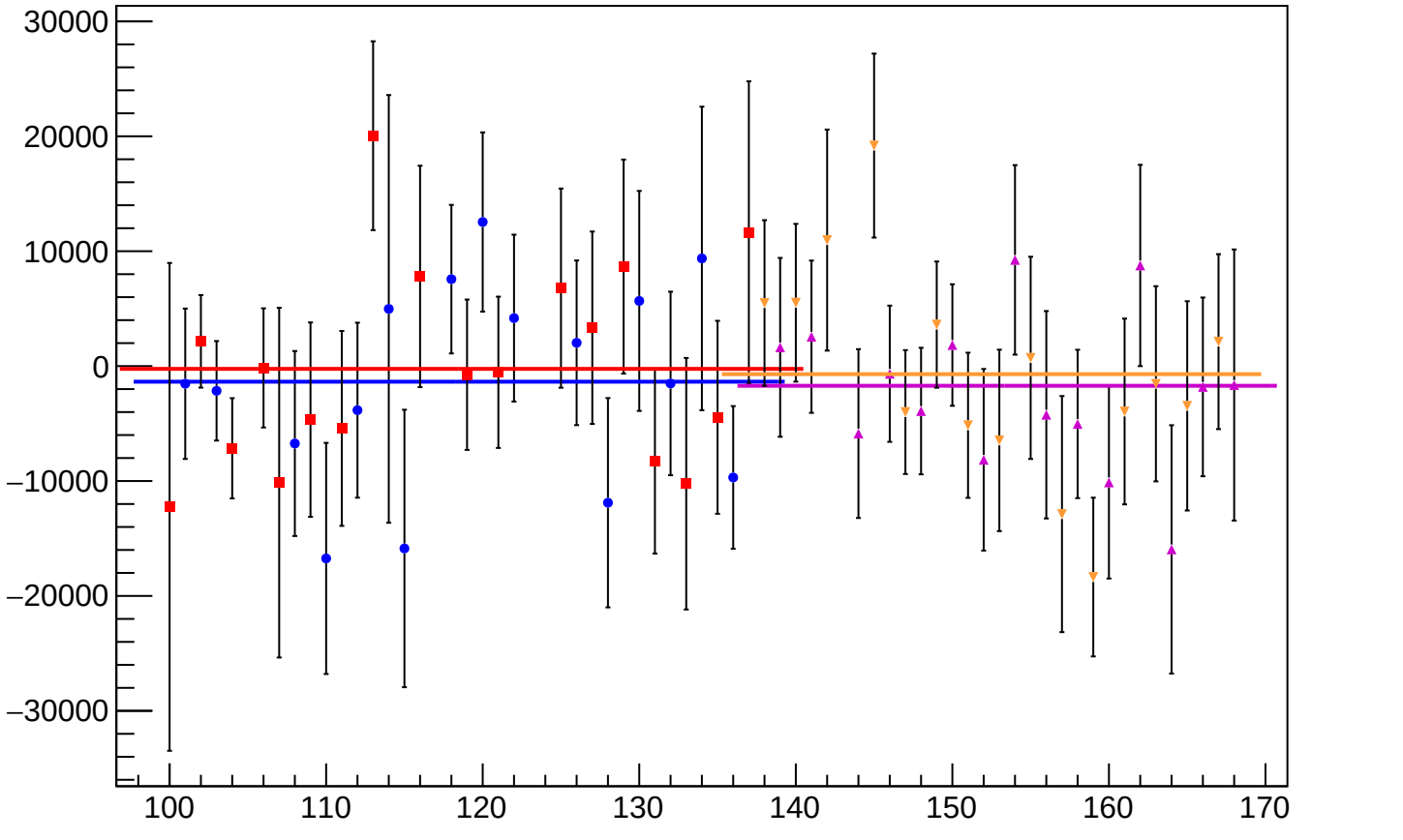
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1874.864+/-0.376 χ^2/NDF:12882.4/14

+ sign 1887.171+/-0.307 χ^2/NDF: 296257.1/30

All: 1886.137+/-0.215 χ^2/NDF: 461376.7/63

- sign 1885.134+/-0.302 χ^2/NDF: 165097.3/32



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -701.473+/-1898.507 χ^2/NDF:19.6/14

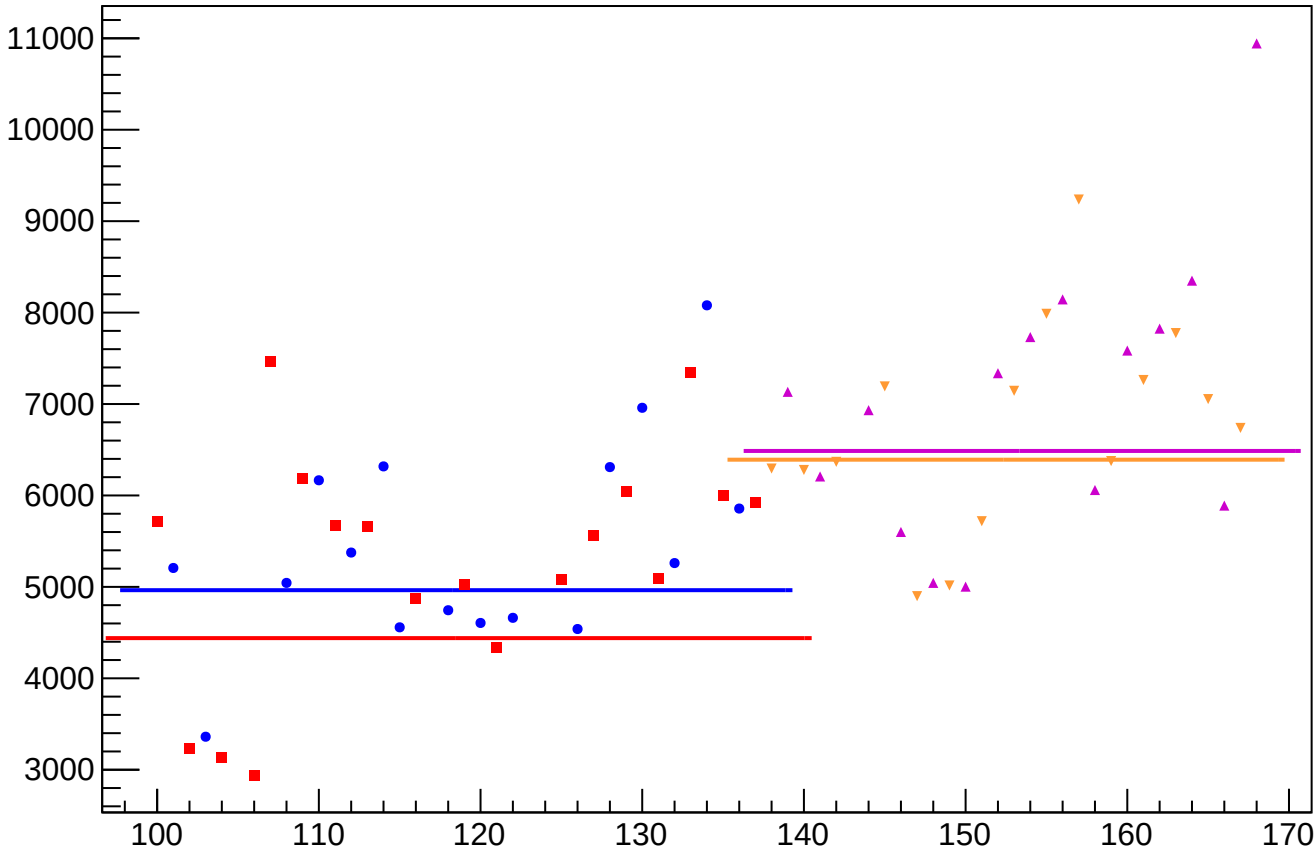
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -1711.798+/-1884.304 χ^2/NDF:8.5/14

+ sign -1029.478+/-1341.556 χ^2/NDF: 34.4/30

All: -964.478+/-921.284 χ^2/NDF: 58.9/63

- sign -906.466+/-1267.389 χ^2/NDF: 24.6/32



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6391.196+/-1.342 χ^2/NDF:651273.5/14

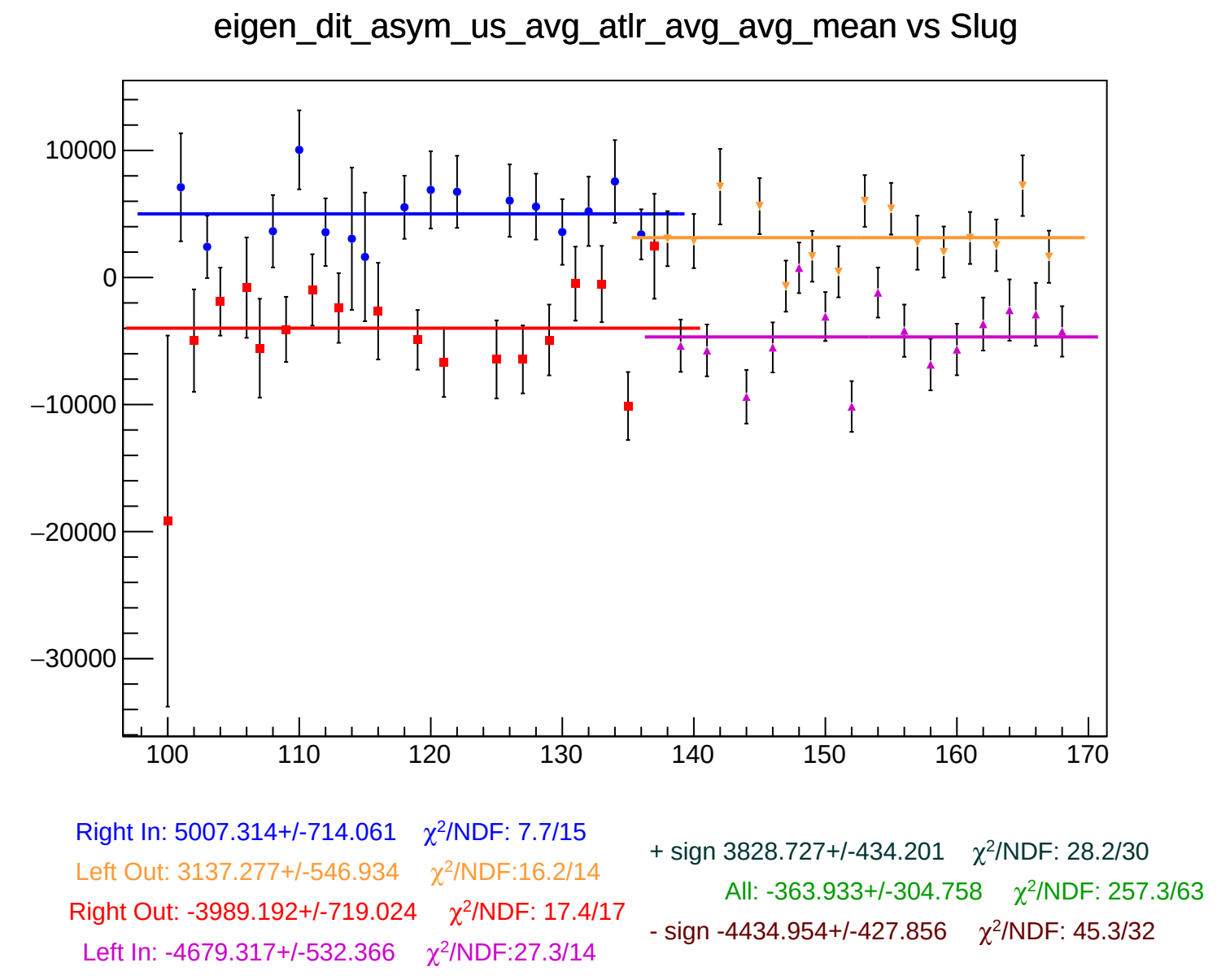
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6486.761+/-1.332 χ^2/NDF:947180.8/14

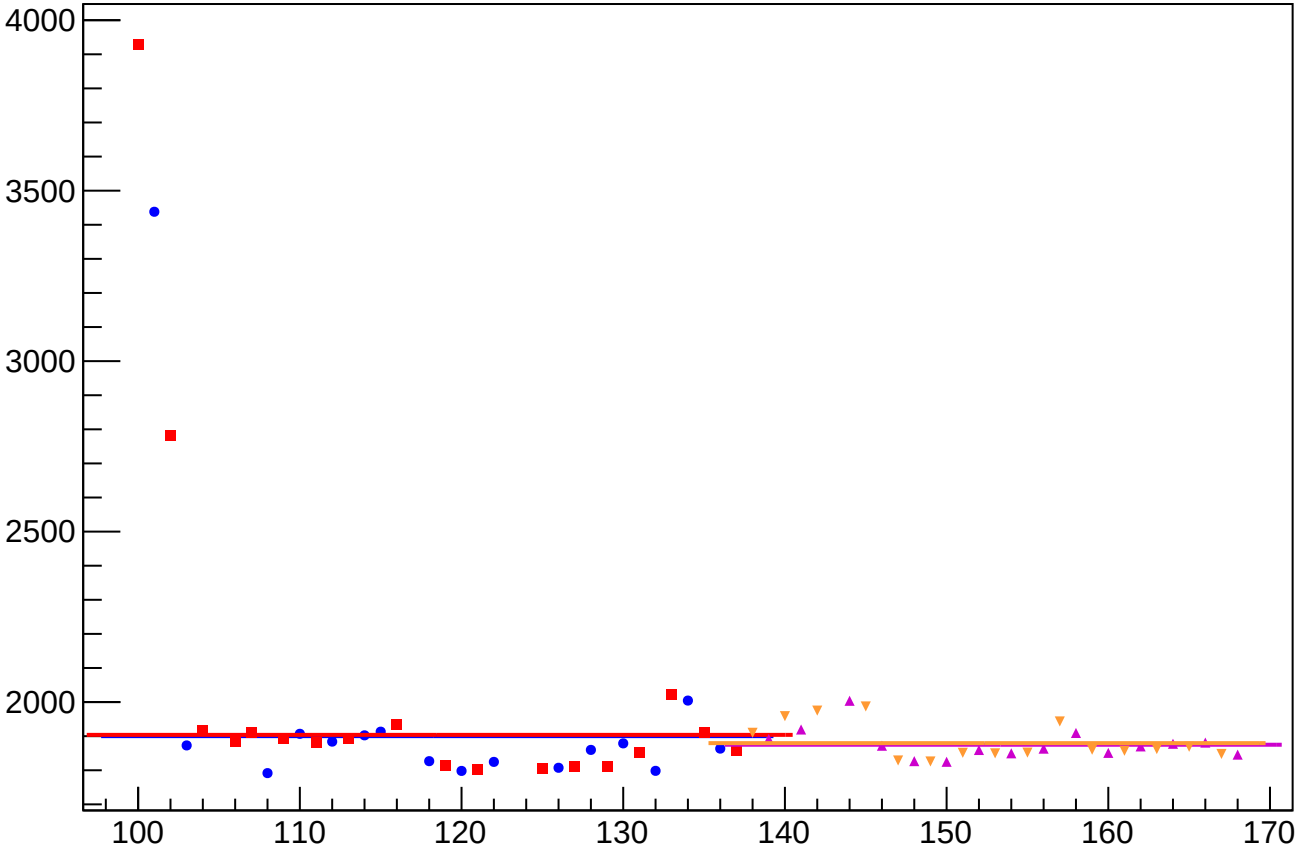
+ sign 5676.651+/-0.949 χ^2/NDF: 1844524.7/30

All: 5512.378+/-0.651 χ^2/NDF: 5299576.4/63

- sign 5365.767+/-0.896 χ^2/NDF: 3398300.5/32


eigen_dit_asym_us_avg_atlr_avg_avg_mean vs Slug
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: 5007.314+/-714.061 χ²/NDF: 7.7/15
Left Out: 3137.277+/-546.934 χ²/NDF:16.2/14
Right Out: -3989.192+/-719.024 χ²/NDF: 17.4/17
Left In: -4679.317+/-532.366 χ²/NDF:27.3/14
+ sign 3828.727+/-434.201 χ²/NDF: 28.2/30
All: -363.933+/-304.758 χ²/NDF: 257.3/63
- sign -4434.954+/-427.856 χ²/NDF: 45.3/32

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: 1879.580+/-0.387 χ^2/NDF:16766.9/14

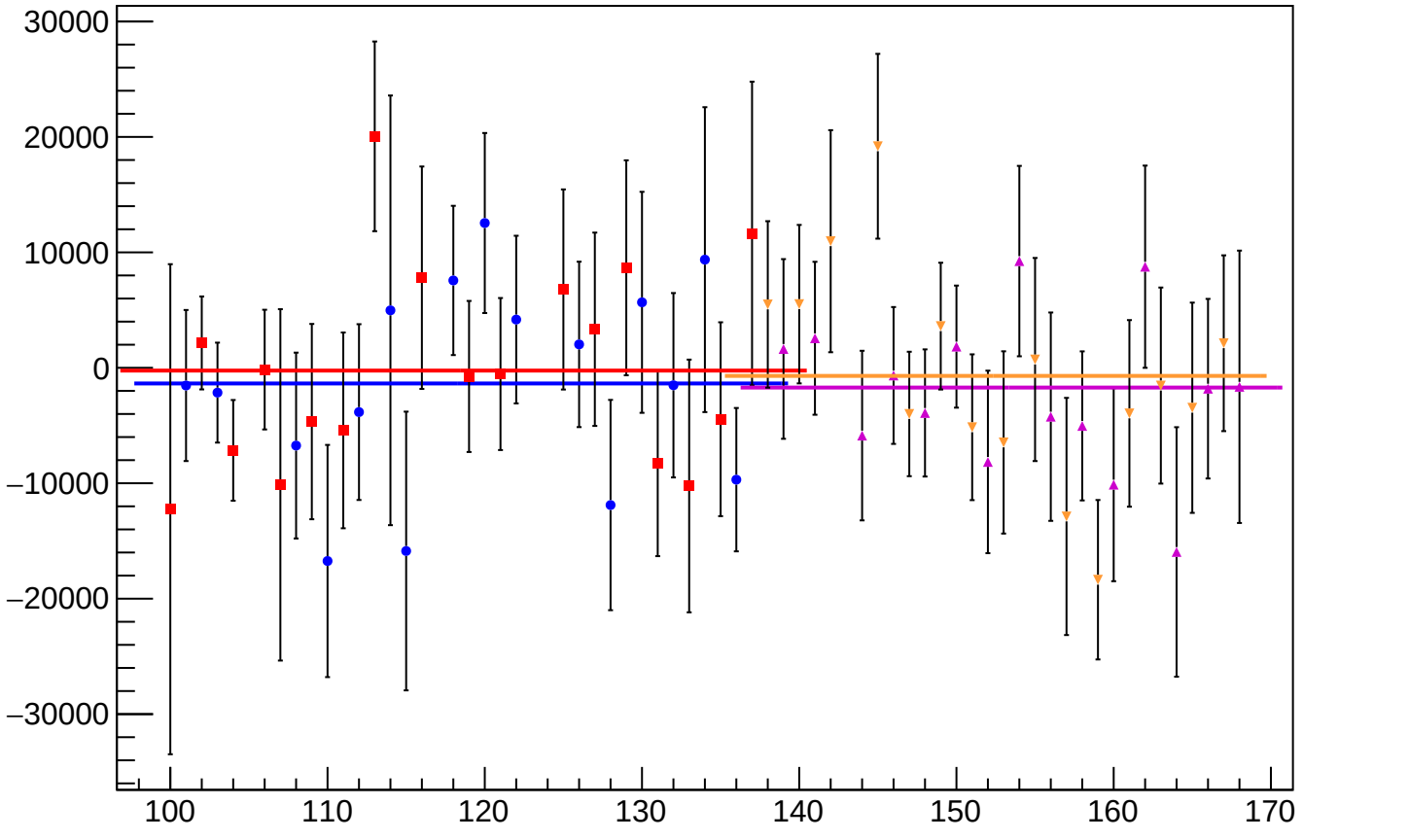
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1874.865+/-0.376 χ^2/NDF:12882.6/14

+ sign 1887.172+/-0.307 χ^2/NDF: 296257.3/30

All: 1886.138+/-0.215 χ^2/NDF: 461376.1/63

- sign 1885.134+/-0.302 χ^2/NDF: 165096.4/32



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -701.482+/-1898.510 χ^2/NDF:19.6/14

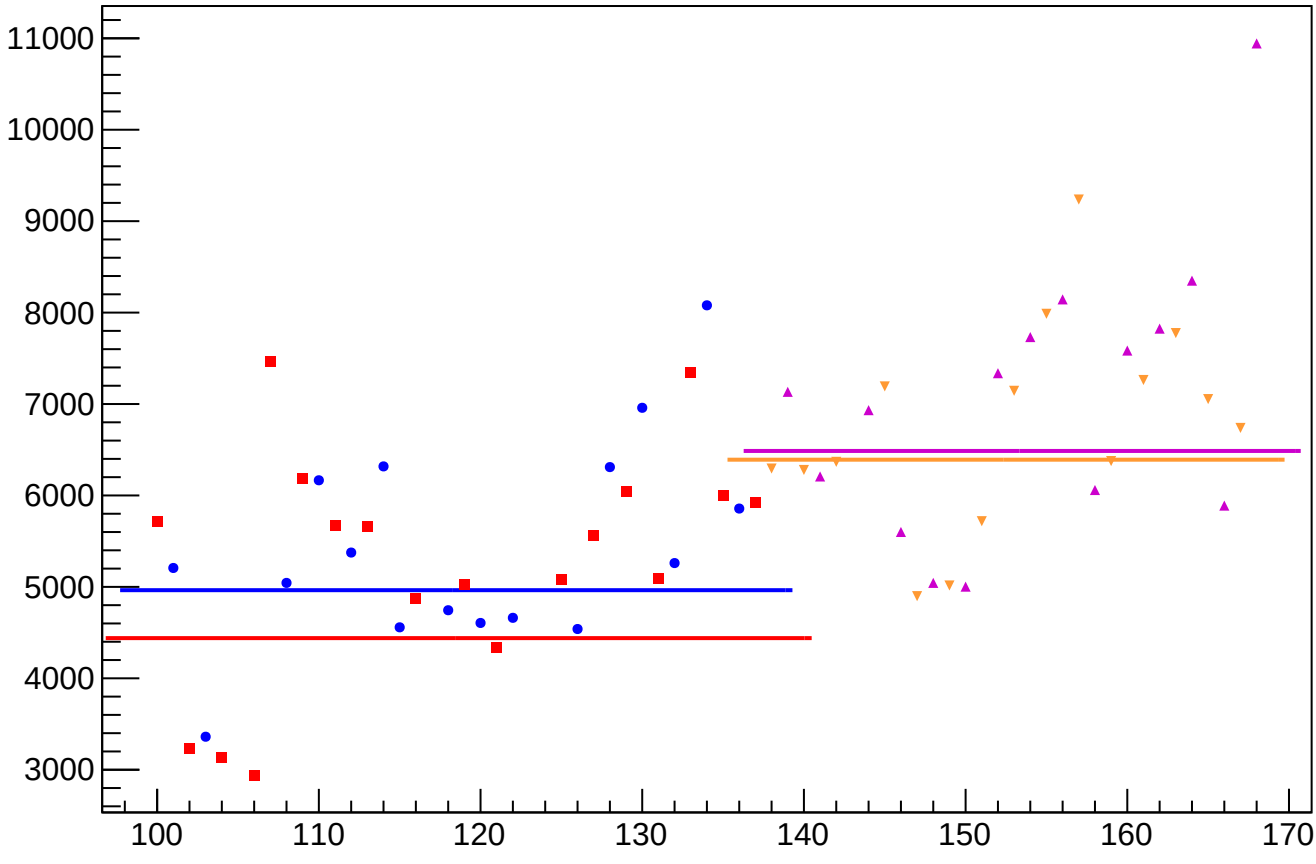
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -1711.799+/-1884.307 χ^2/NDF:8.5/14

+ sign -1029.479+/-1341.556 χ^2/NDF: 34.4/30

All: -964.477+/-921.283 χ^2/NDF: 58.9/63

- sign -906.464+/-1267.389 χ^2/NDF: 24.6/32



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6391.206+/-1.342 χ^2/NDF:651276.0/14

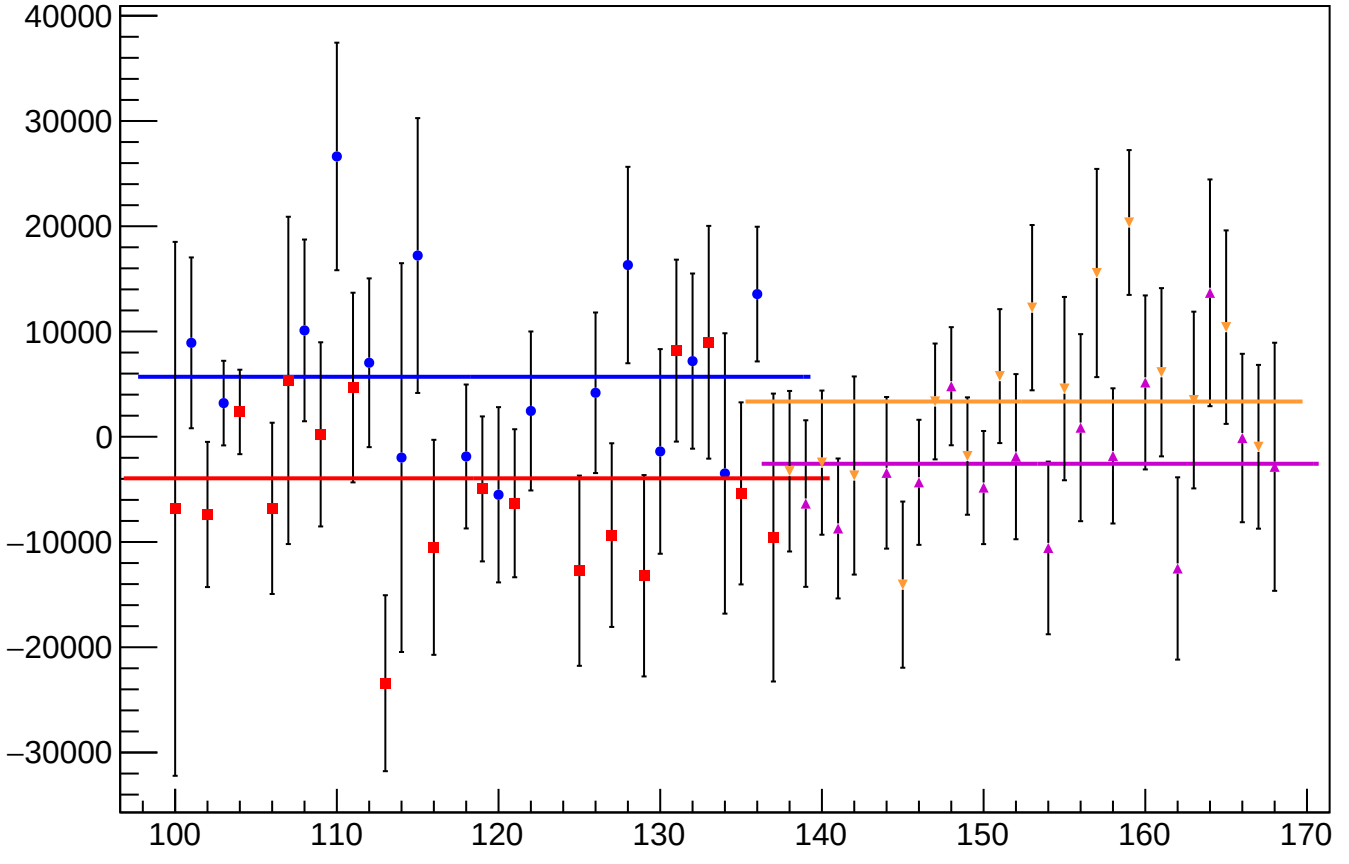
Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6486.771+/-1.332 χ^2/NDF:947182.1/14

+ sign 5676.646+/-0.949 χ^2/NDF: 1844548.4/30

All: 5512.373+/-0.651 χ^2/NDF: 5299629.4/63

- sign 5365.761+/-0.896 χ^2/NDF: 3398329.3/32



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 3347.654+/-1908.114 χ^2/NDF:17.9/14

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

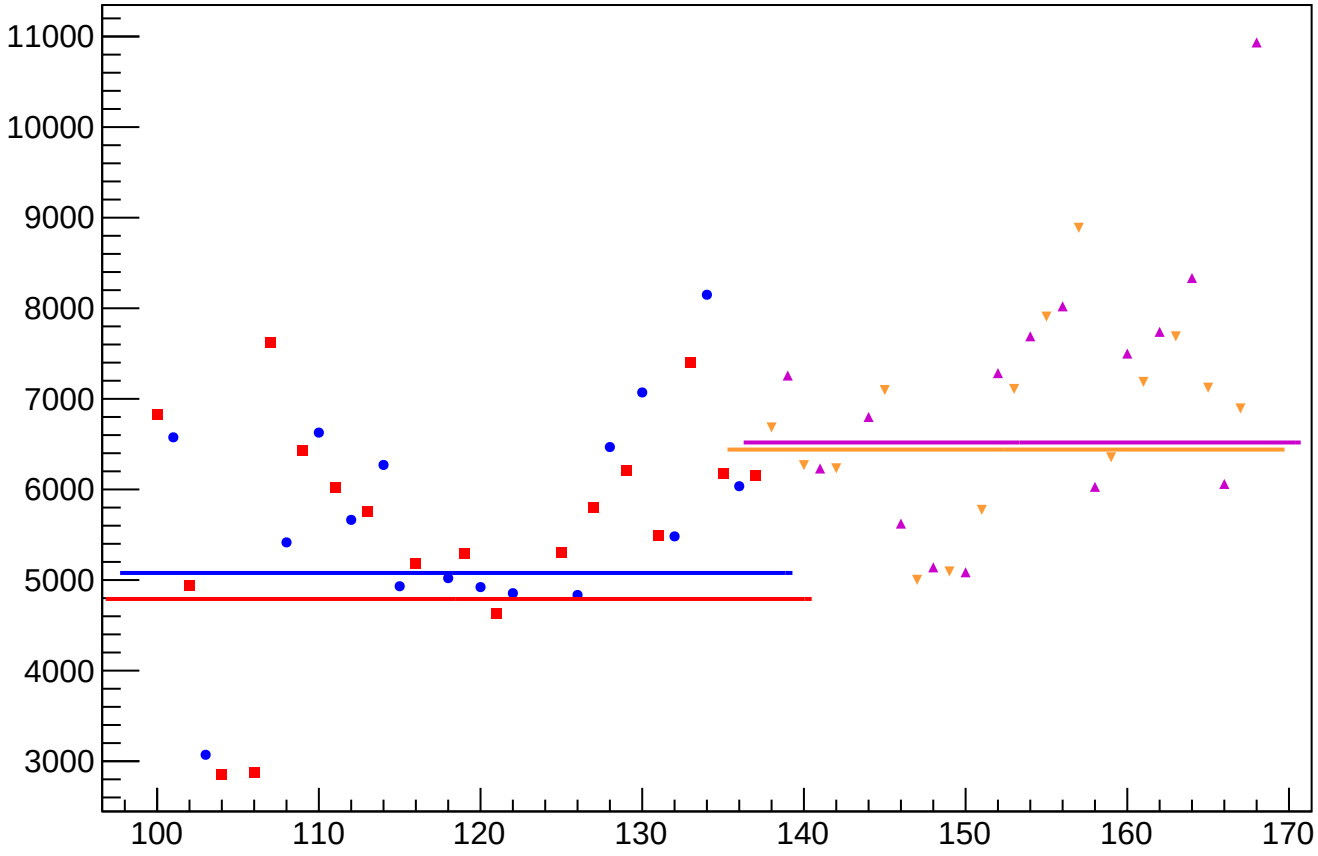
Left In: -2566.751+/-1889.705 χ^2/NDF:8.8/14

+ sign 4491.396+/-1366.949 χ^2/NDF: 31.2/30

All: 565.407+/-959.451 χ^2/NDF: 72.6/63

- sign -3246.869+/-1347.007 χ^2/NDF: 25.2/32

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6440.102+/-1.349 χ^2/NDF:566767.9/14

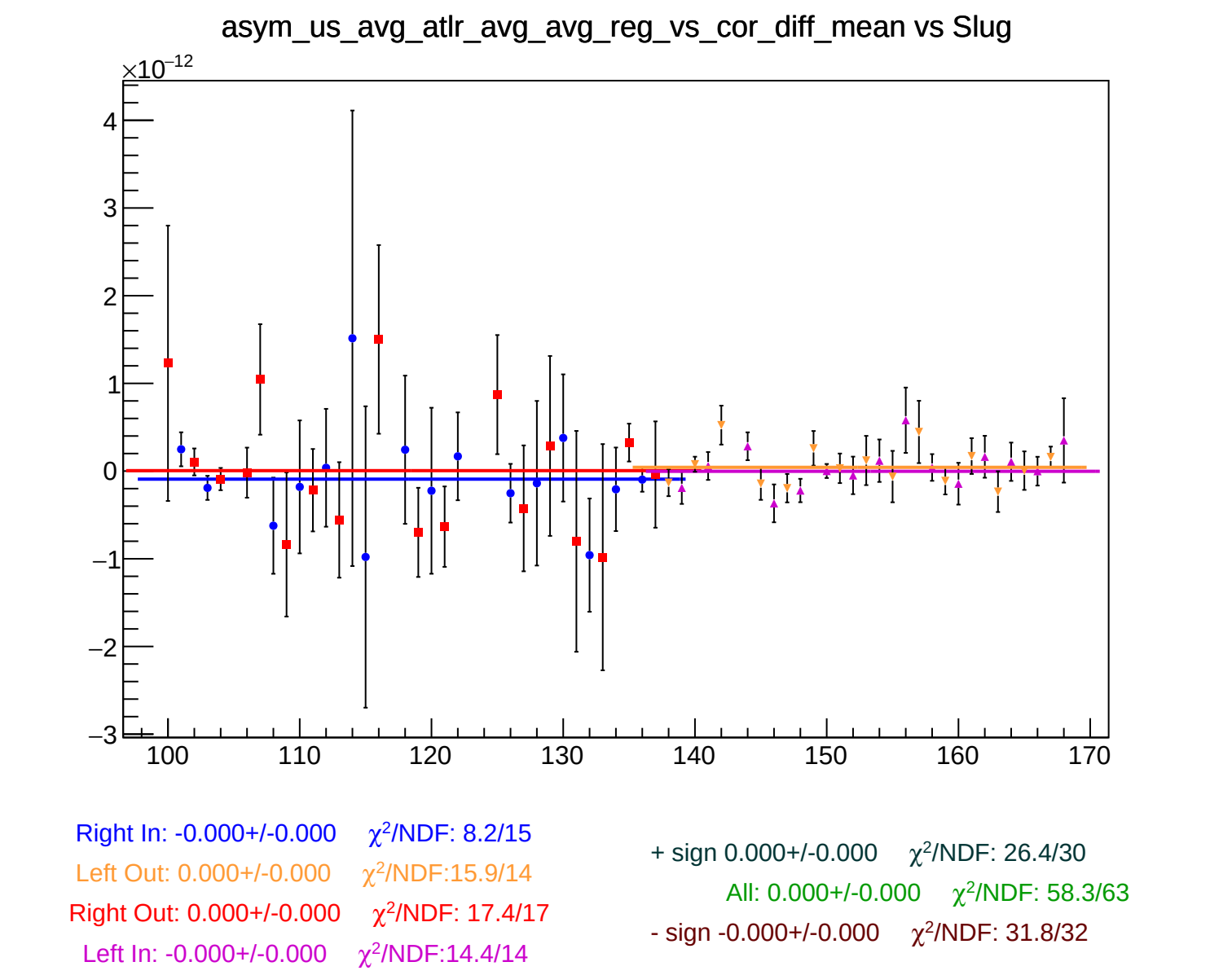
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

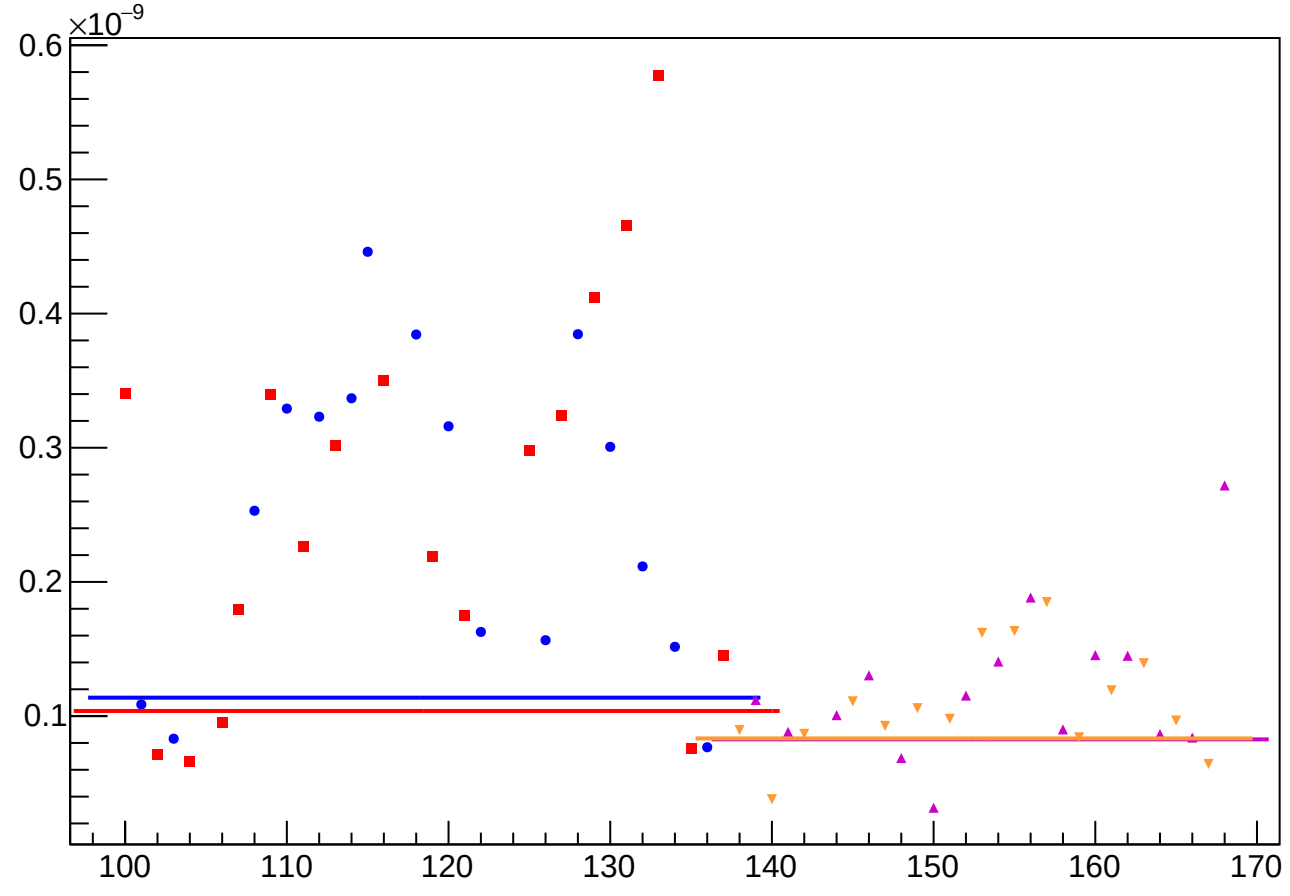
Left In: 6518.339+/-1.336 χ^2/NDF:873360.0/14

+ sign 5777.111+/-0.967 χ^2/NDF: 1981985.4/30

All: 5712.580+/-0.675 χ^2/NDF: 4865347.2/63

- sign 5651.173+/-0.943 χ^2/NDF: 2874663.1/32


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:15.9/14
Right Out: 0.000+/-0.000 χ²/NDF: 17.4/17
Left In: -0.000+/-0.000 χ²/NDF:14.4/14
+ sign 0.000+/-0.000 χ²/NDF: 26.4/30
All: 0.000+/-0.000 χ²/NDF: 58.3/63
- sign -0.000+/-0.000 χ²/NDF: 31.8/32



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1361552.2/14

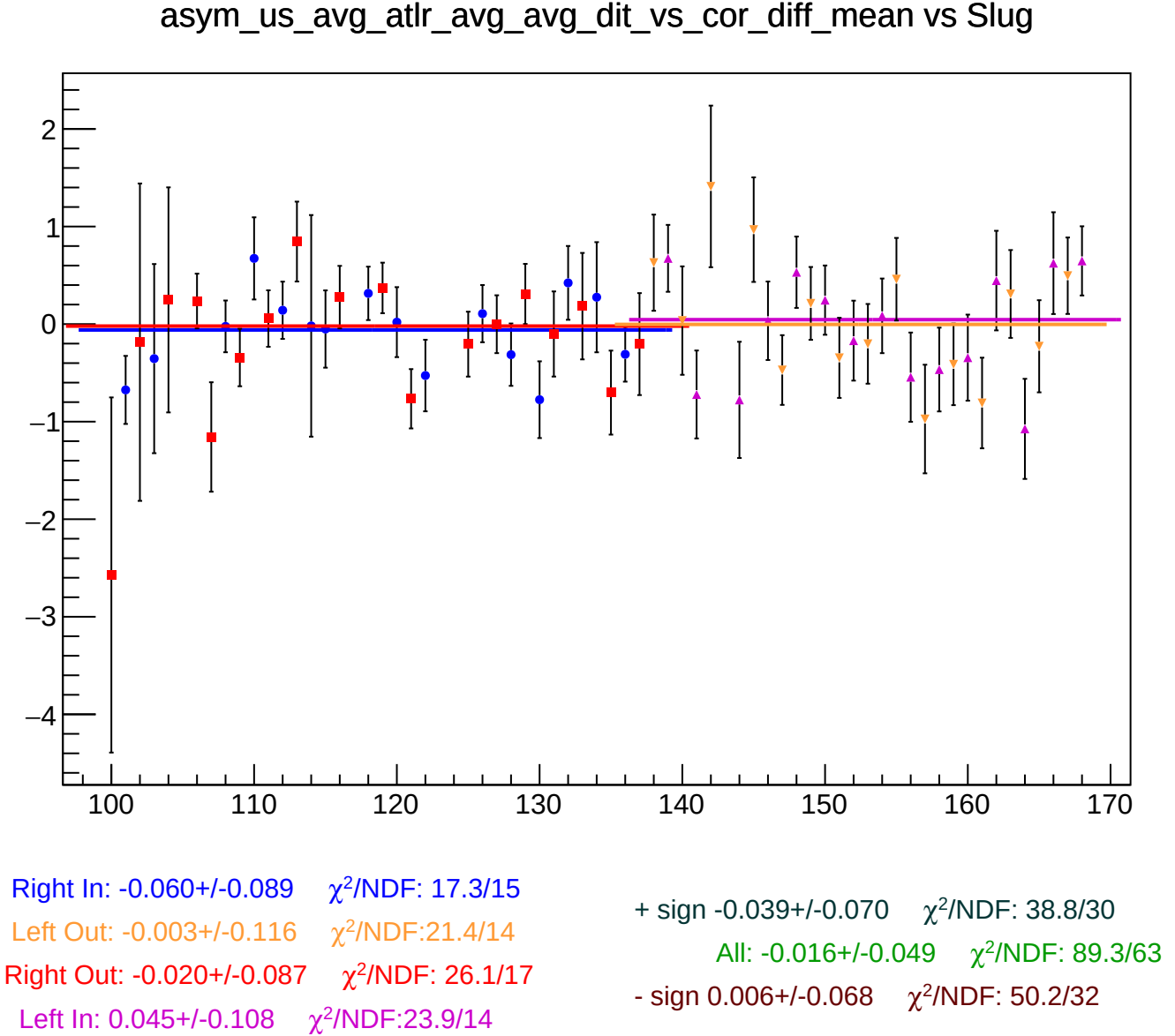
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1925310.9/14

+ sign 0.000+/-0.000 χ^2/NDF: 3119330.7/30

All: 0.000+/-0.000 χ^2/NDF: 7251812.7/63

- sign 0.000+/-0.000 χ^2/NDF: 4127130.5/32


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug
2
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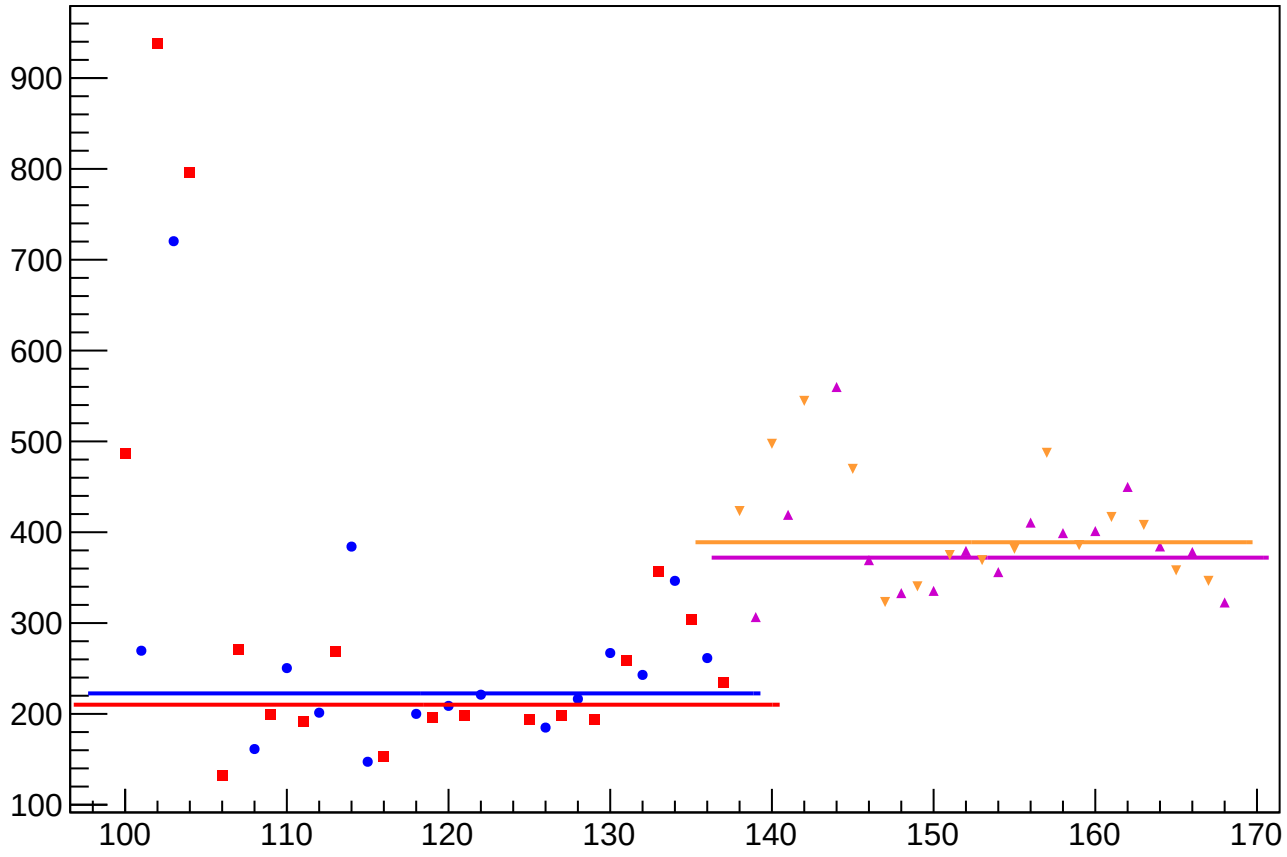
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.003+/-0.116 χ²/NDF:21.4/14
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.045+/-0.108 χ²/NDF:23.9/14
+ sign -0.039+/-0.070 χ²/NDF: 38.8/30
All: -0.016+/-0.049 χ²/NDF: 89.3/63
- sign 0.006+/-0.068 χ²/NDF: 50.2/32



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 388.983+/-0.082 χ^2/NDF:416654.3/14

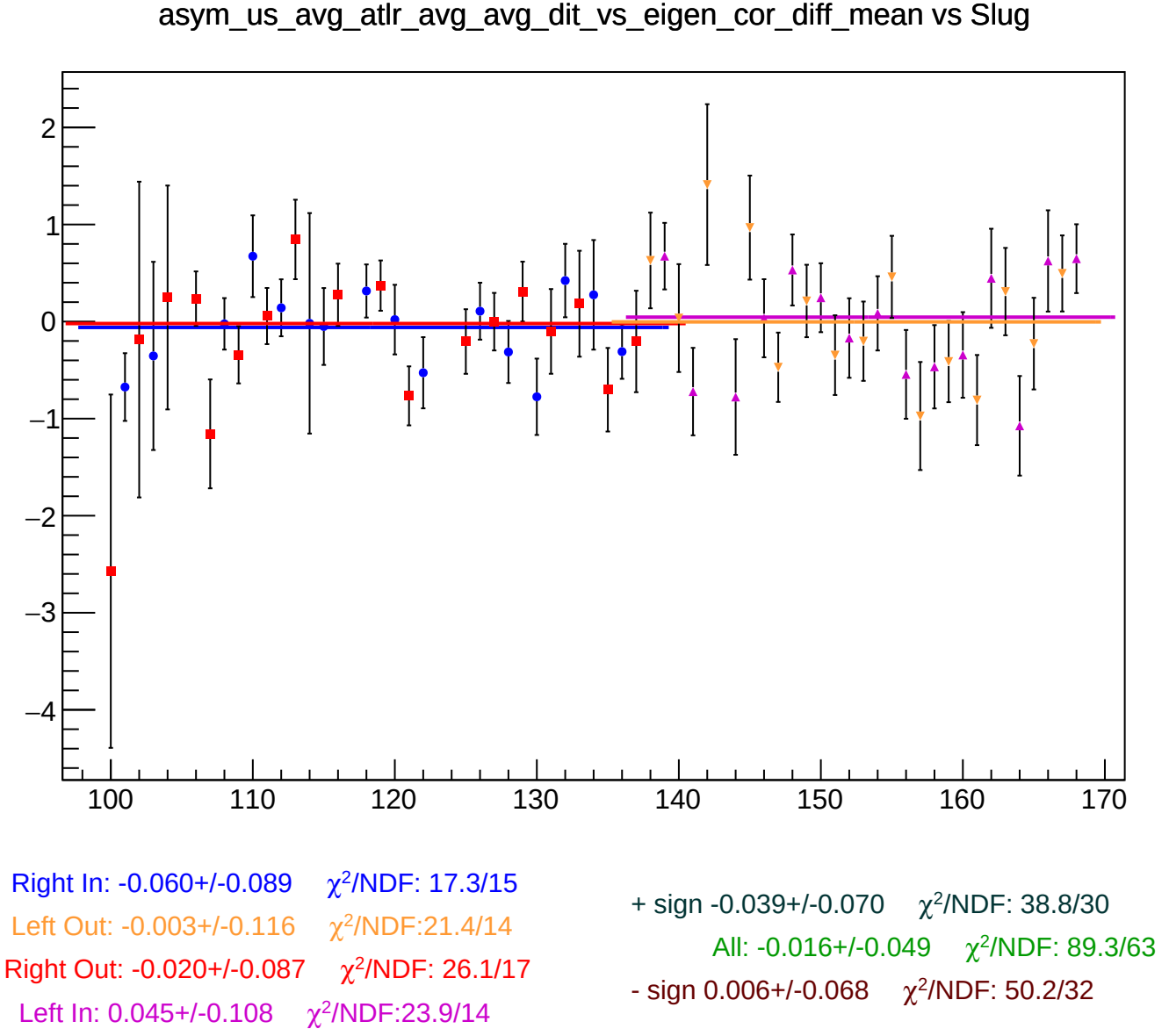
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

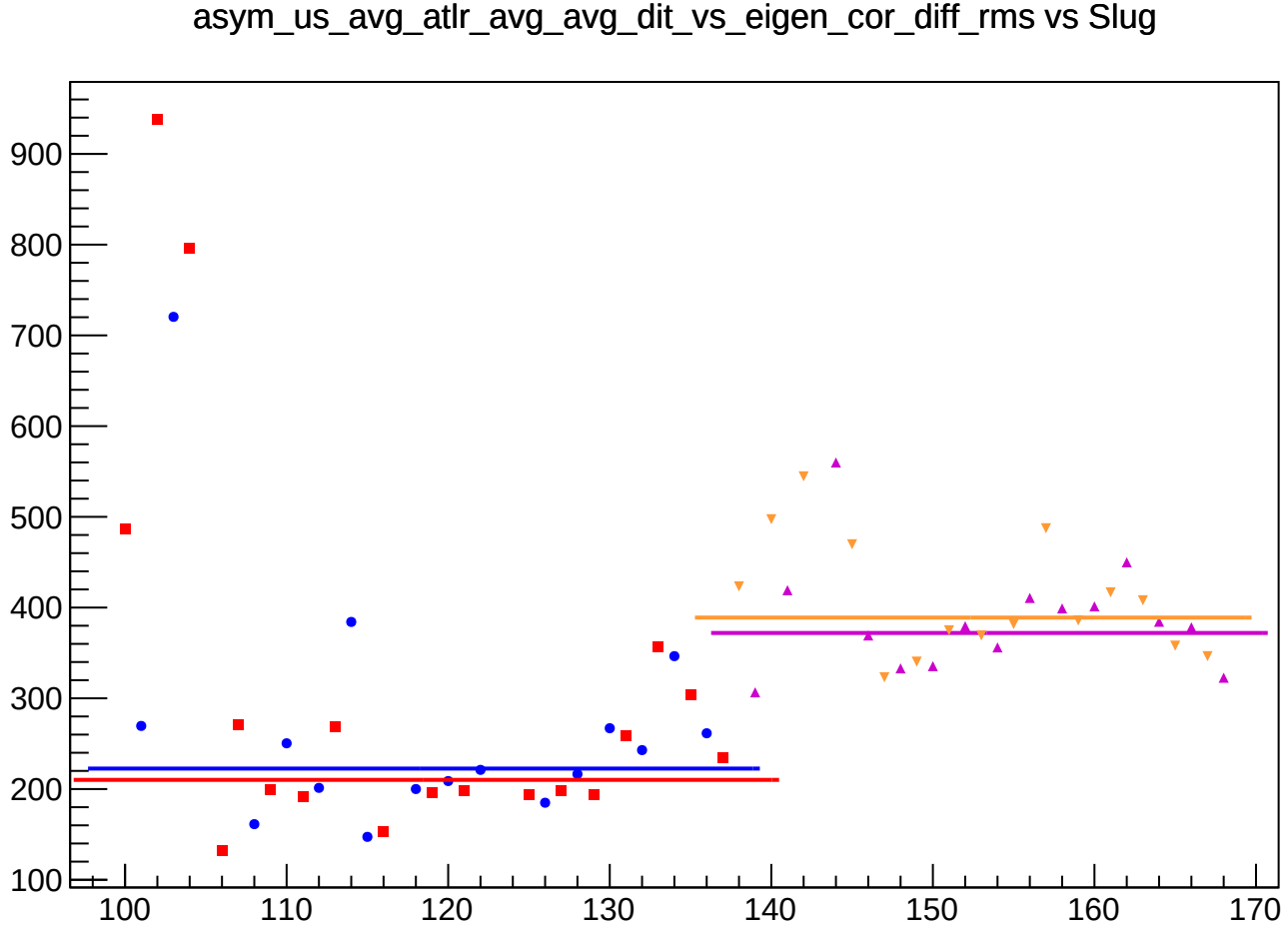
Left In: 372.026+/-0.077 χ^2/NDF:459376.5/14

+ sign 283.939+/-0.050 χ^2/NDF: 4034040.9/30

All: 278.795+/-0.035 χ^2/NDF: 8768375.5/63

- sign 273.998+/-0.048 χ^2/NDF: 4713723.6/32


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: -0.003+/-0.116 χ²/NDF:21.4/14
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.045+/-0.108 χ²/NDF:23.9/14
+ sign -0.039+/-0.070 χ²/NDF: 38.8/30
All: -0.016+/-0.049 χ²/NDF: 89.3/63
- sign 0.006+/-0.068 χ²/NDF: 50.2/32



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 388.983+/-0.082 χ^2/NDF:416654.3/14

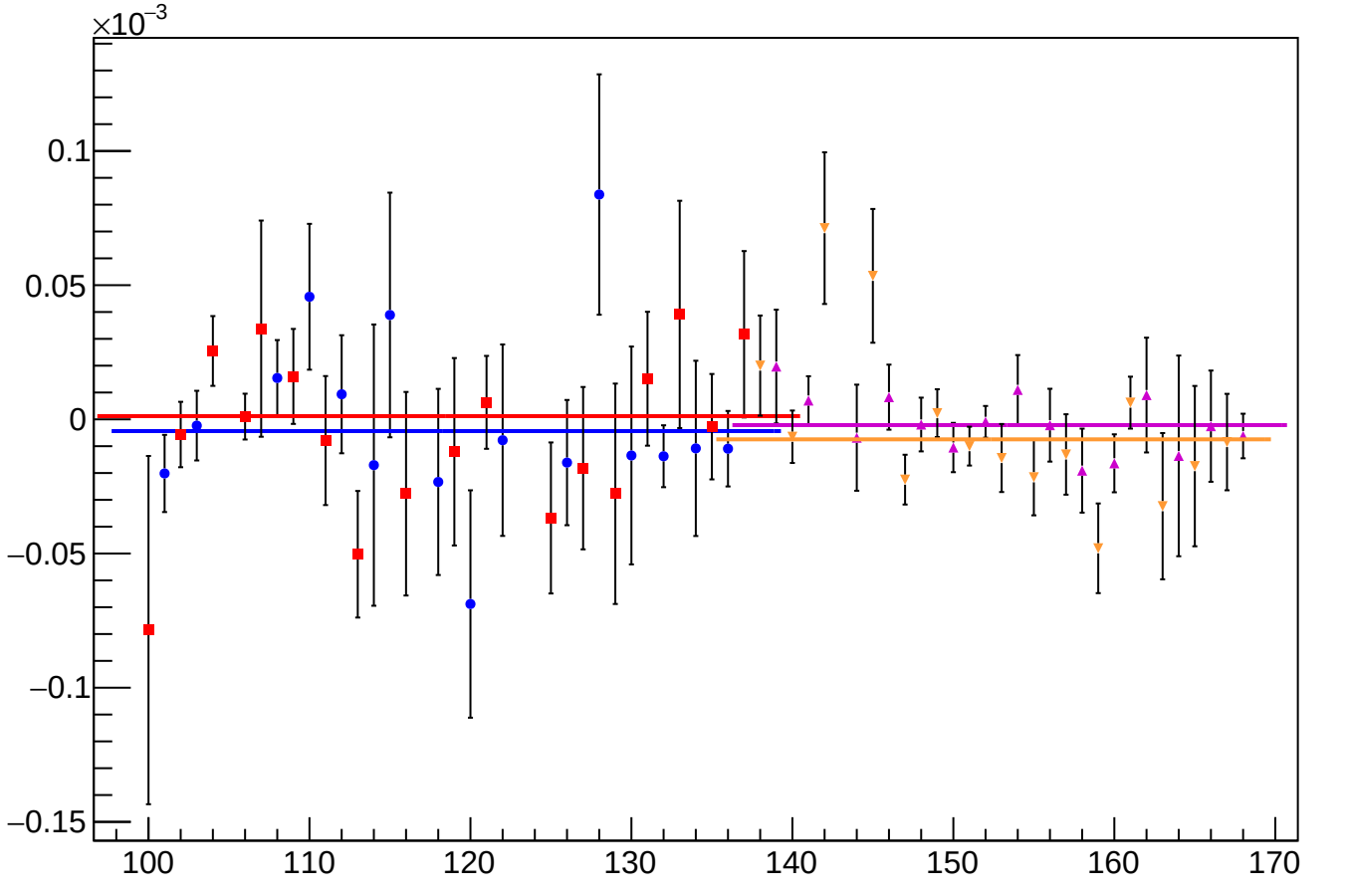
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 372.026+/-0.077 χ^2/NDF:459376.5/14

+ sign 283.939+/-0.050 χ^2/NDF: 4034040.9/30

All: 278.795+/-0.035 χ^2/NDF: 8768375.5/63

- sign 273.998+/-0.048 χ^2/NDF: 4713723.6/32



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/14

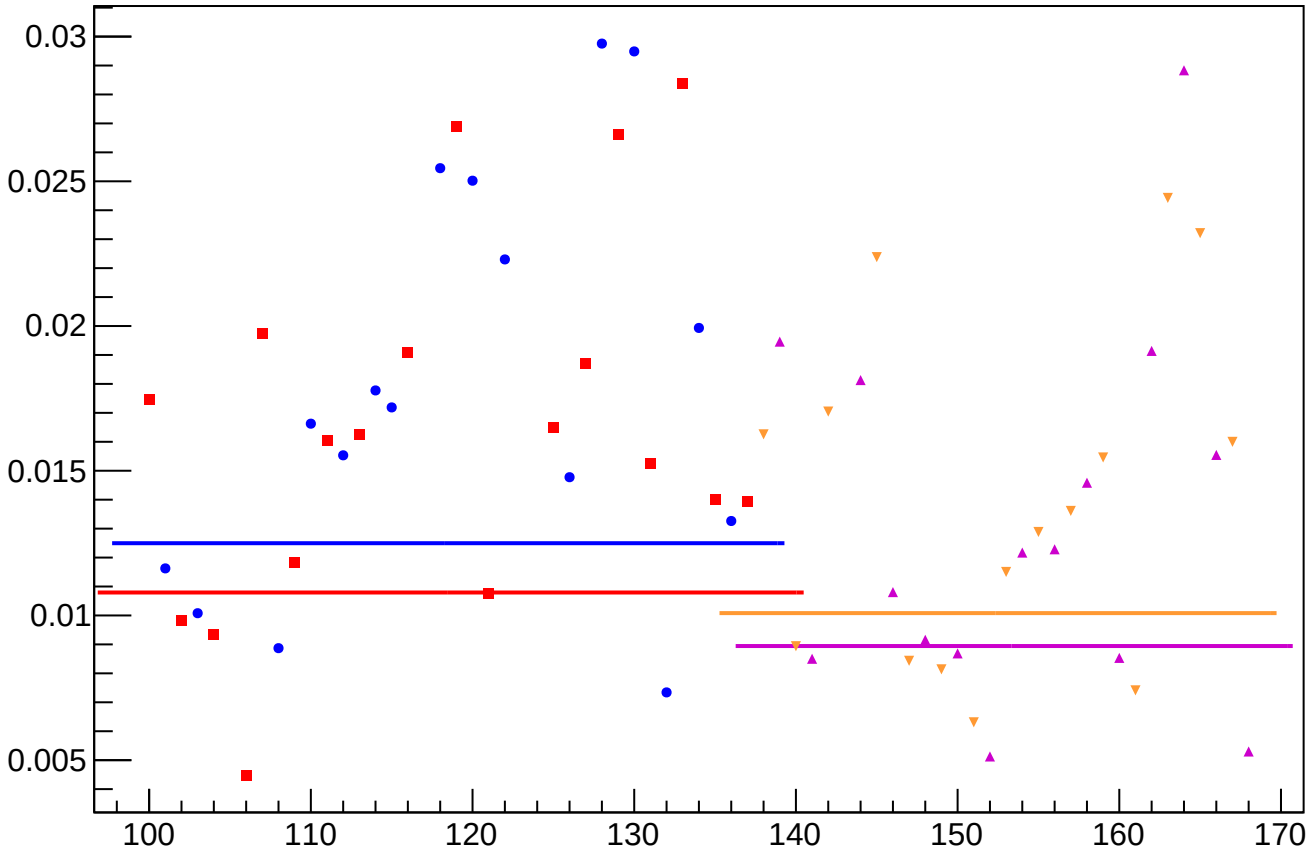
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:8.3/14

+ sign -0.000+/-0.000 χ^2/NDF: 46.0/30

All: -0.000+/-0.000 χ^2/NDF: 74.1/63

- sign -0.000+/-0.000 χ^2/NDF: 25.9/32



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:3288932.8/14

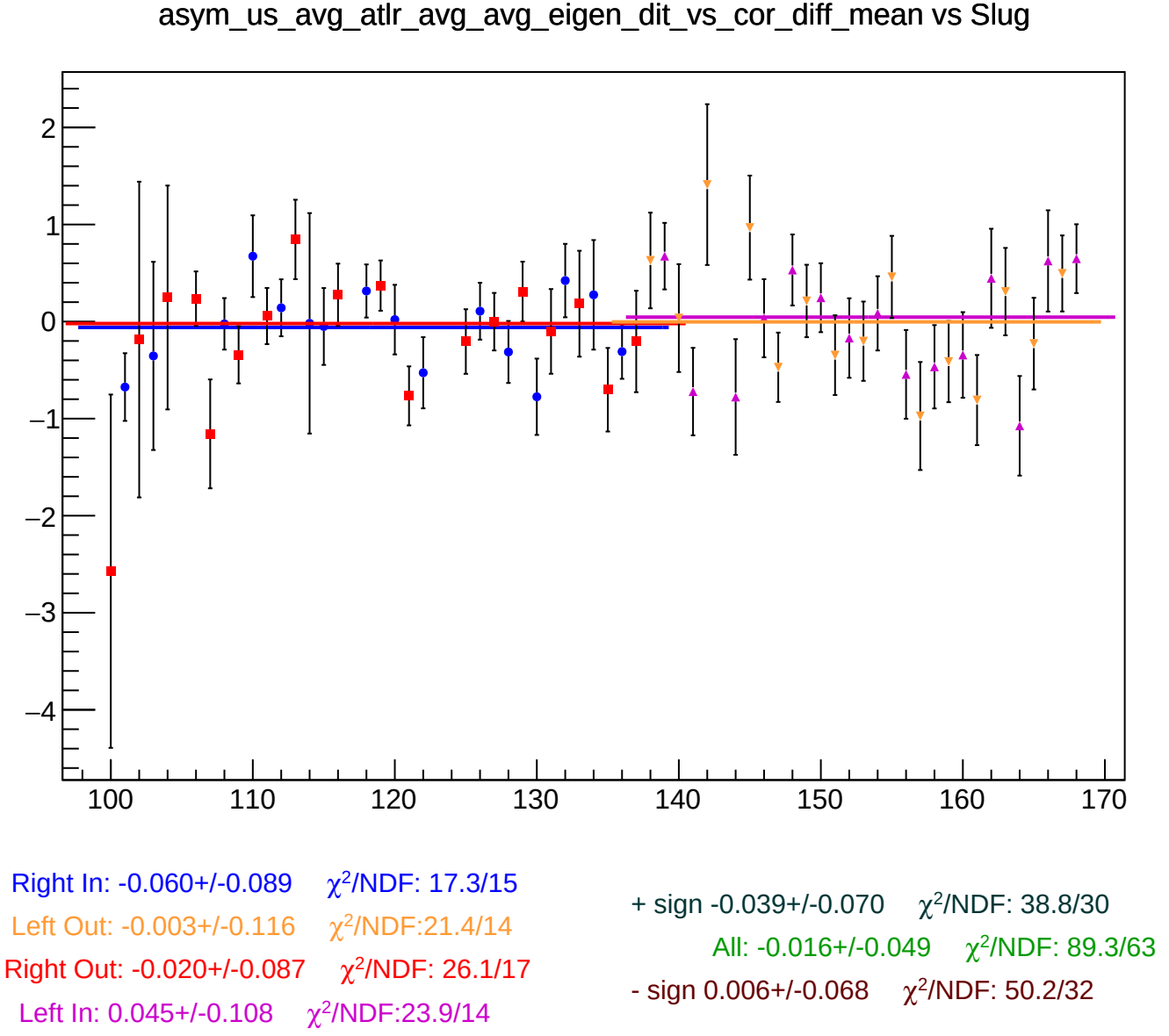
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

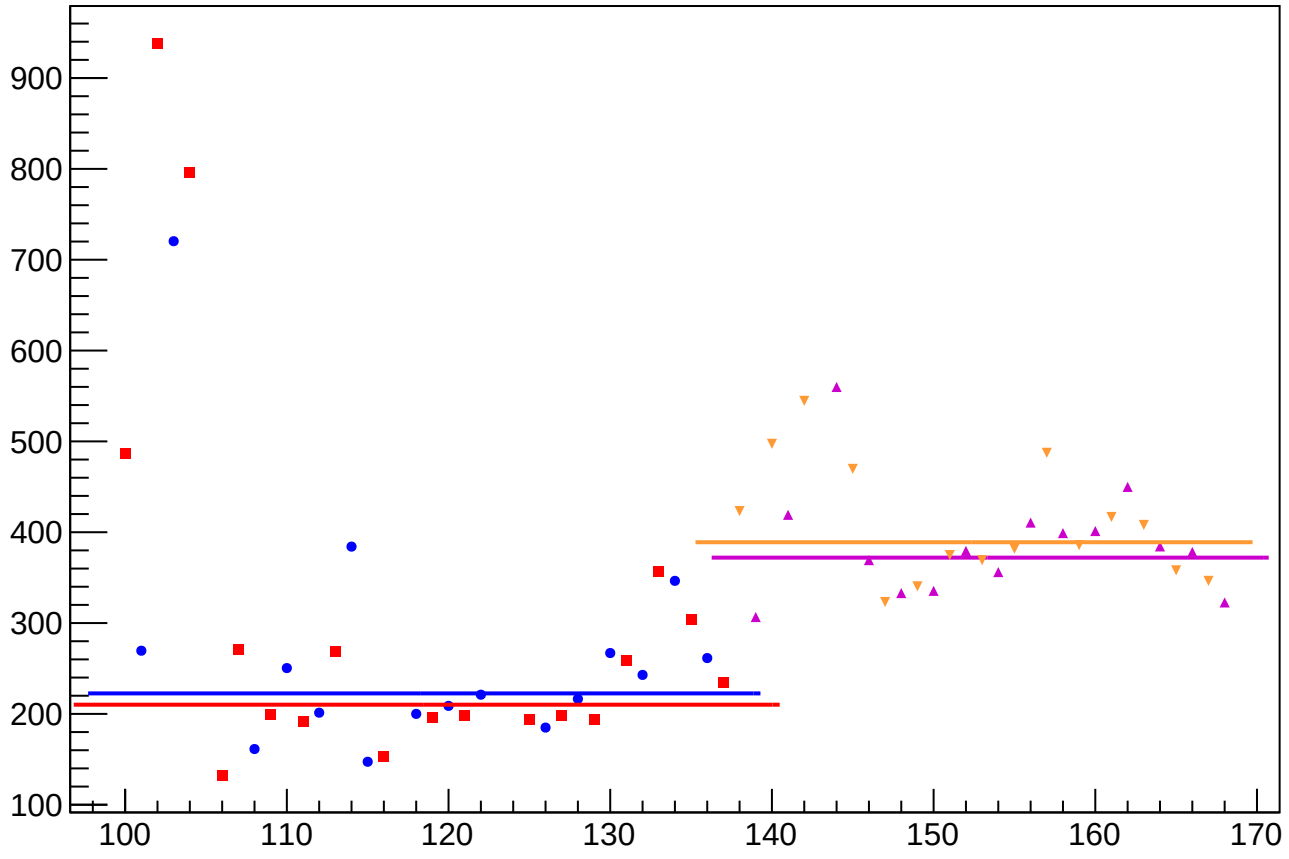
Left In: 0.009+/-0.000 χ^2/NDF:3930787.7/14

+ sign 0.011+/-0.000 χ^2/NDF: 5724574.1/30

All: 0.010+/-0.000 χ^2/NDF: 13126924.5/63

- sign 0.009+/-0.000 χ^2/NDF: 7150508.4/32


asym_us_avg_atlr_avg_avg_eigen_dit_vs_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: -0.003+/-0.116 χ²/NDF:21.4/14
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.045+/-0.108 χ²/NDF:23.9/14
+ sign -0.039+/-0.070 χ²/NDF: 38.8/30
All: -0.016+/-0.049 χ²/NDF: 89.3/63
- sign 0.006+/-0.068 χ²/NDF: 50.2/32



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 388.989+/-0.082 χ^2/NDF:416658.7/14

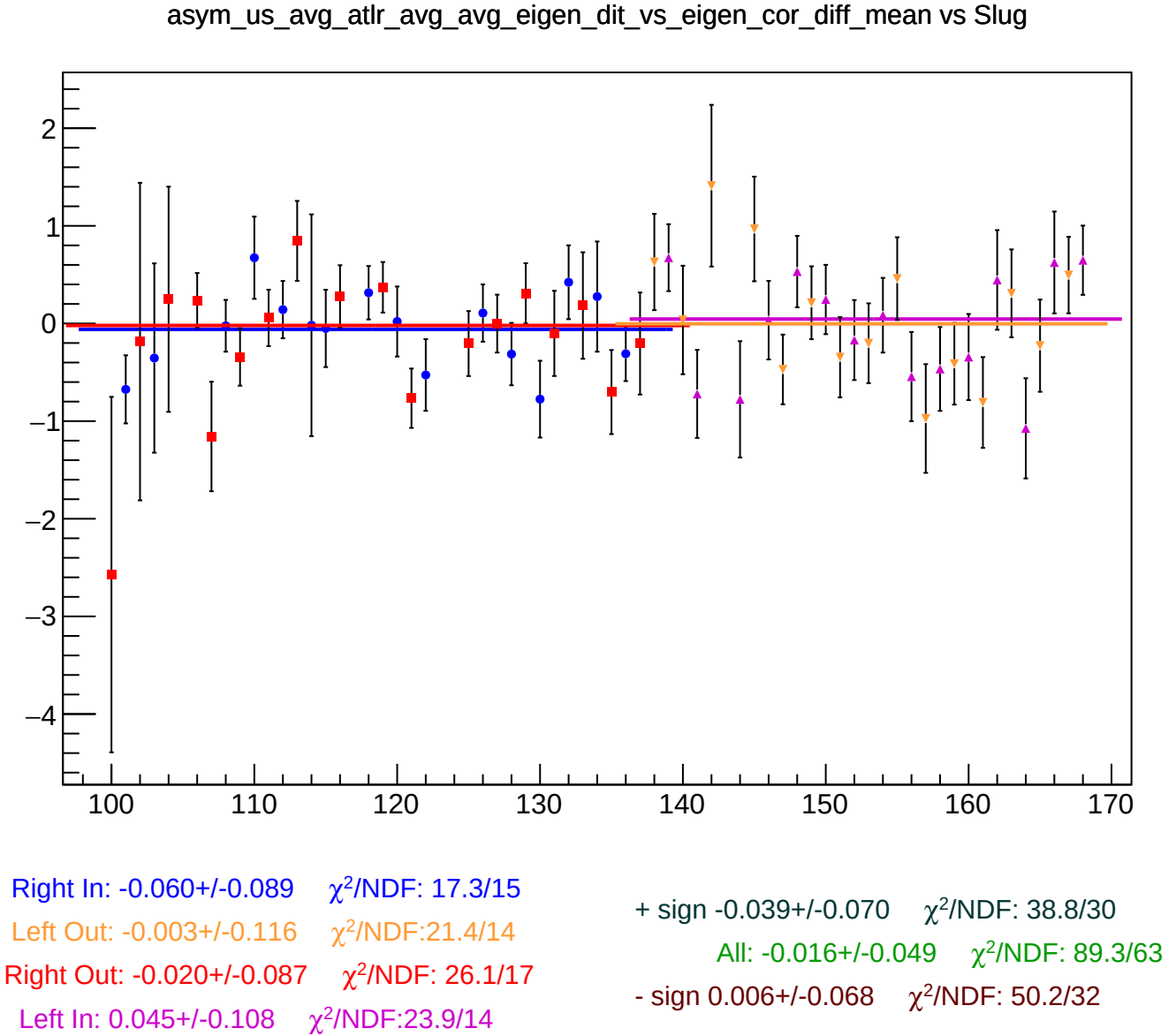
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

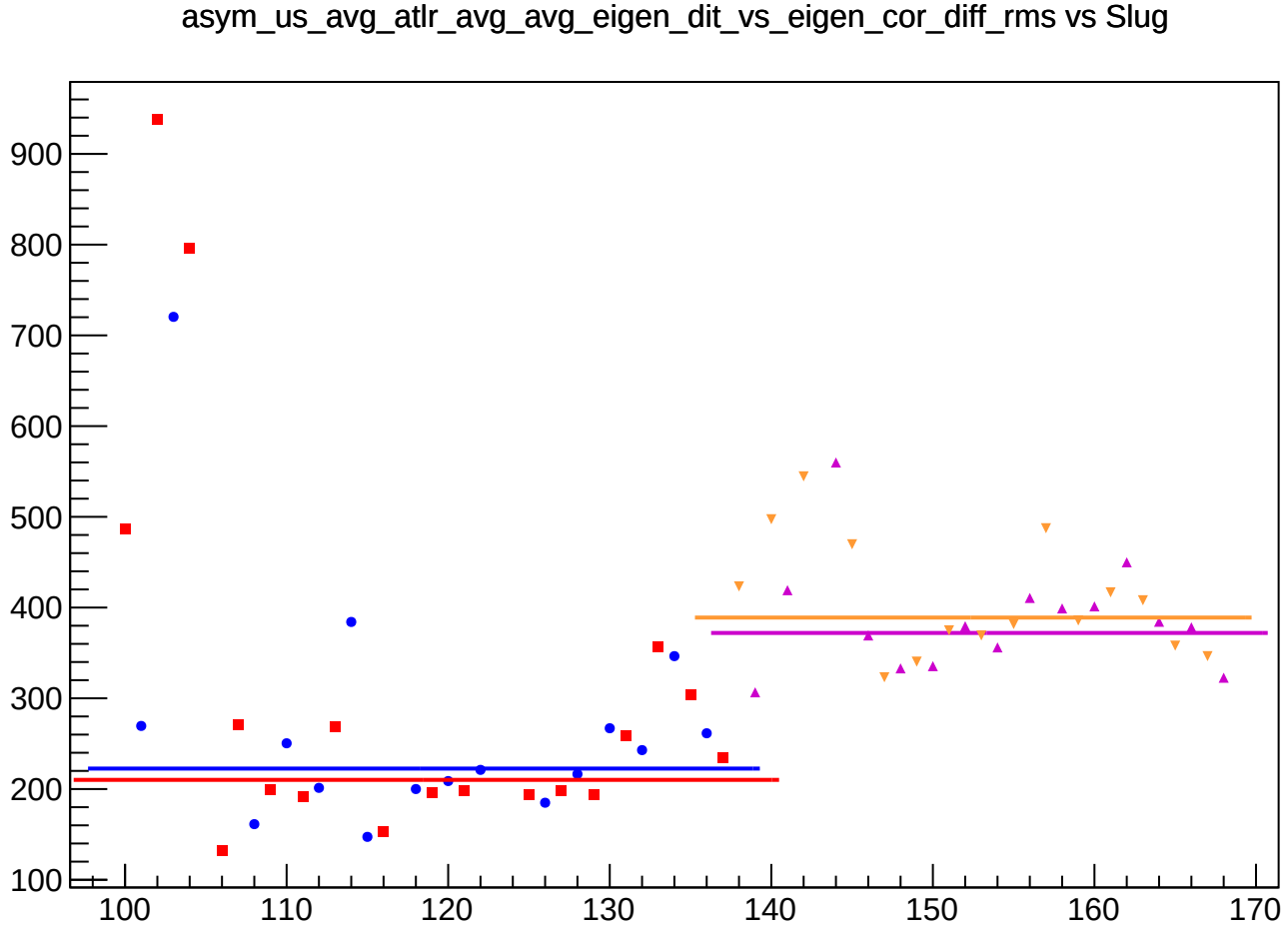
Left In: 372.032+/-0.077 χ^2/NDF:459374.9/14

+ sign 283.938+/-0.050 χ^2/NDF: 4034243.8/30

All: 278.794+/-0.035 χ^2/NDF: 8768824.1/63

- sign 273.996+/-0.048 χ^2/NDF: 4713966.2/32


asym_us_avg_atlr_avg_avg_eigen_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: -0.003+/-0.116 χ²/NDF:21.4/14
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.045+/-0.108 χ²/NDF:23.9/14
+ sign -0.039+/-0.070 χ²/NDF: 38.8/30
All: -0.016+/-0.049 χ²/NDF: 89.3/63
- sign 0.006+/-0.068 χ²/NDF: 50.2/32



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 388.989+/-0.082 χ^2/NDF:416658.7/14

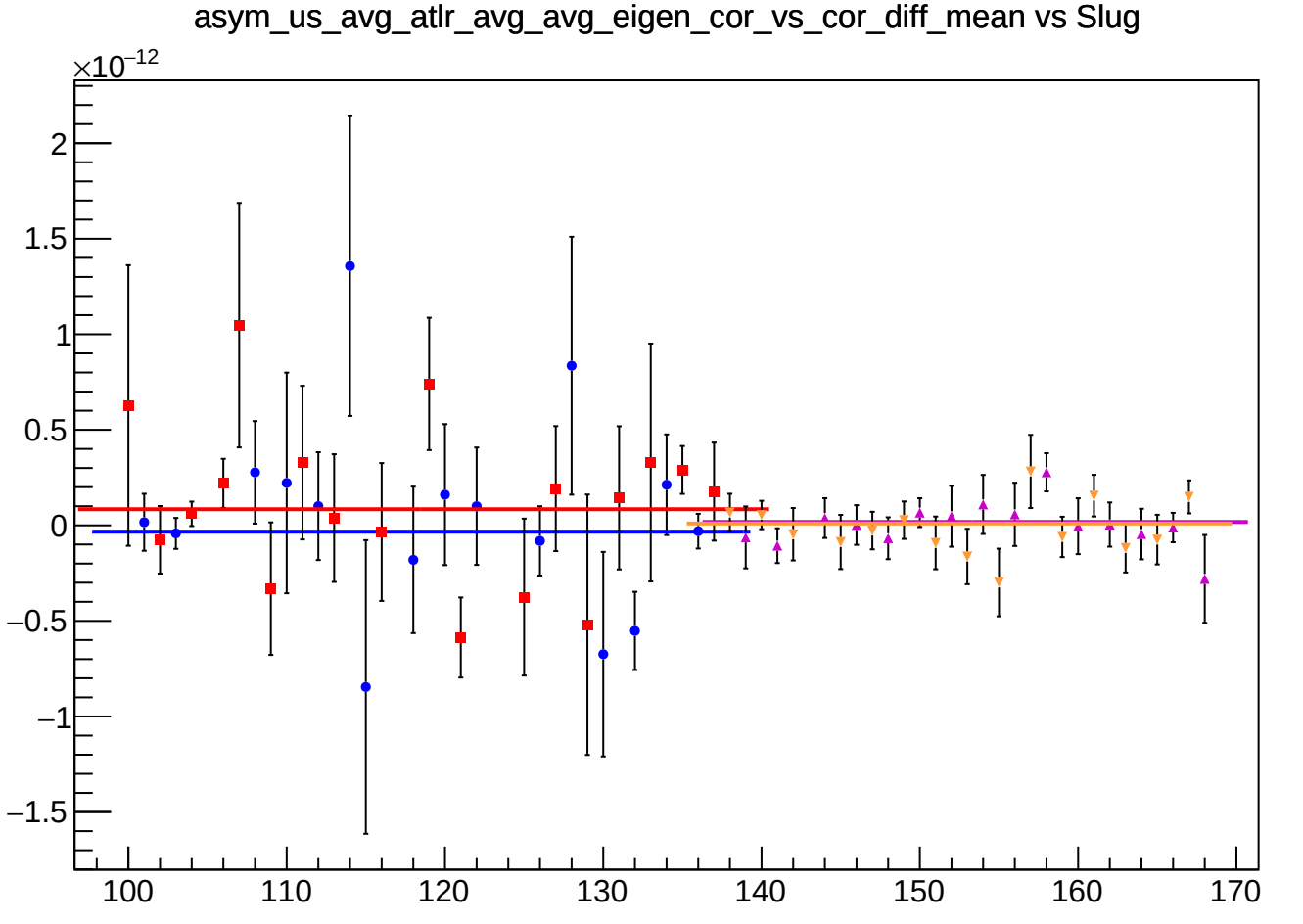
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 372.032+/-0.077 χ^2/NDF:459374.9/14

+ sign 283.938+/-0.050 χ^2/NDF: 4034243.8/30

All: 278.794+/-0.035 χ^2/NDF: 8768824.1/63

- sign 273.996+/-0.048 χ^2/NDF: 4713966.2/32



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.8/14

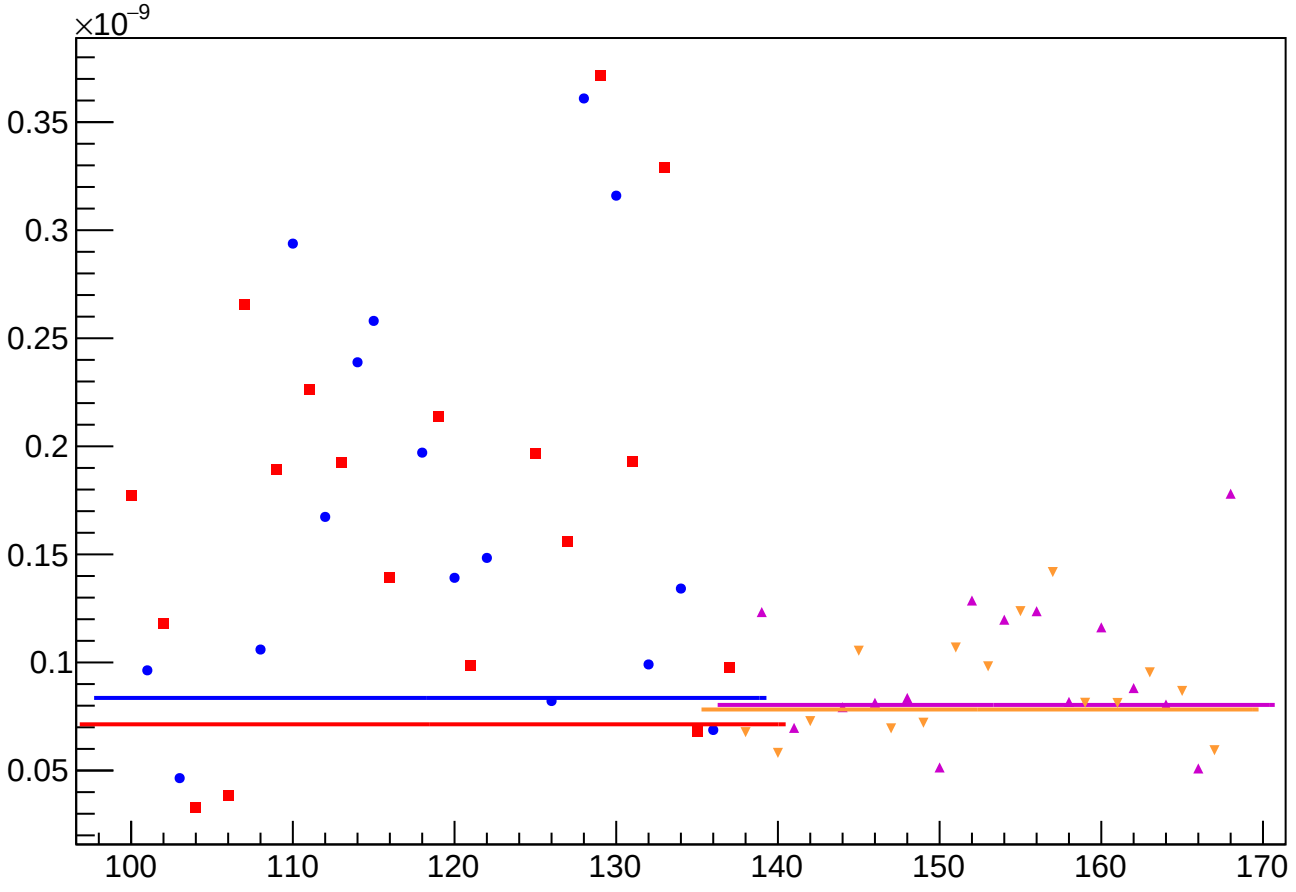
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:12.5/14

+ sign -0.000+/-0.000 χ^2/NDF: 32.6/30

All: 0.000+/-0.000 χ^2/NDF: 73.8/63

- sign 0.000+/-0.000 χ^2/NDF: 39.9/32



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:889005.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

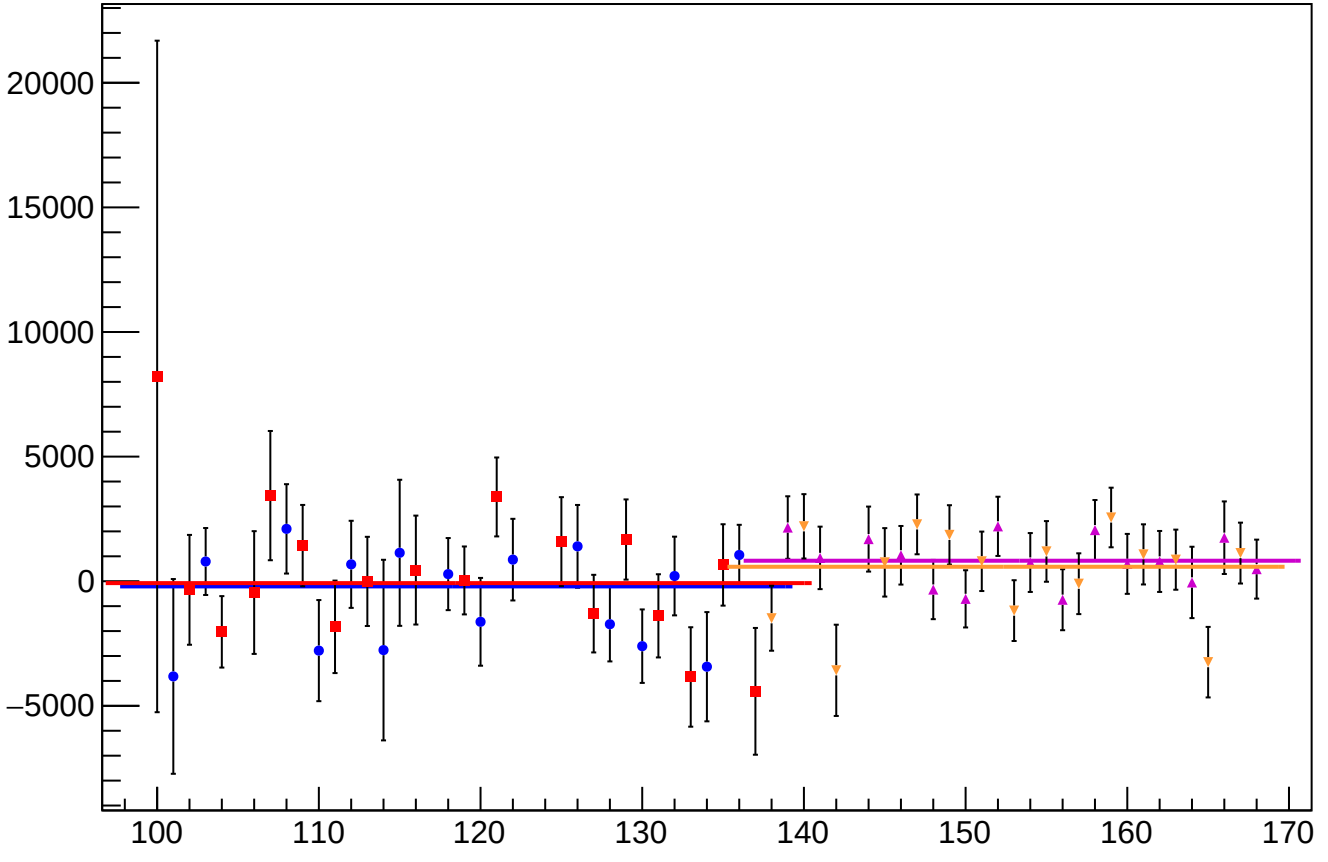
Left In: 0.000+/-0.000 χ^2/NDF:1697535.4/14

+ sign 0.000+/-0.000 χ^2/NDF: 3143128.6/30

All: 0.000+/-0.000 χ^2/NDF: 8650286.1/63

- sign 0.000+/-0.000 χ^2/NDF: 5500128.2/32

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 580.184+/-326.437 χ^2/NDF:25.6/14

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

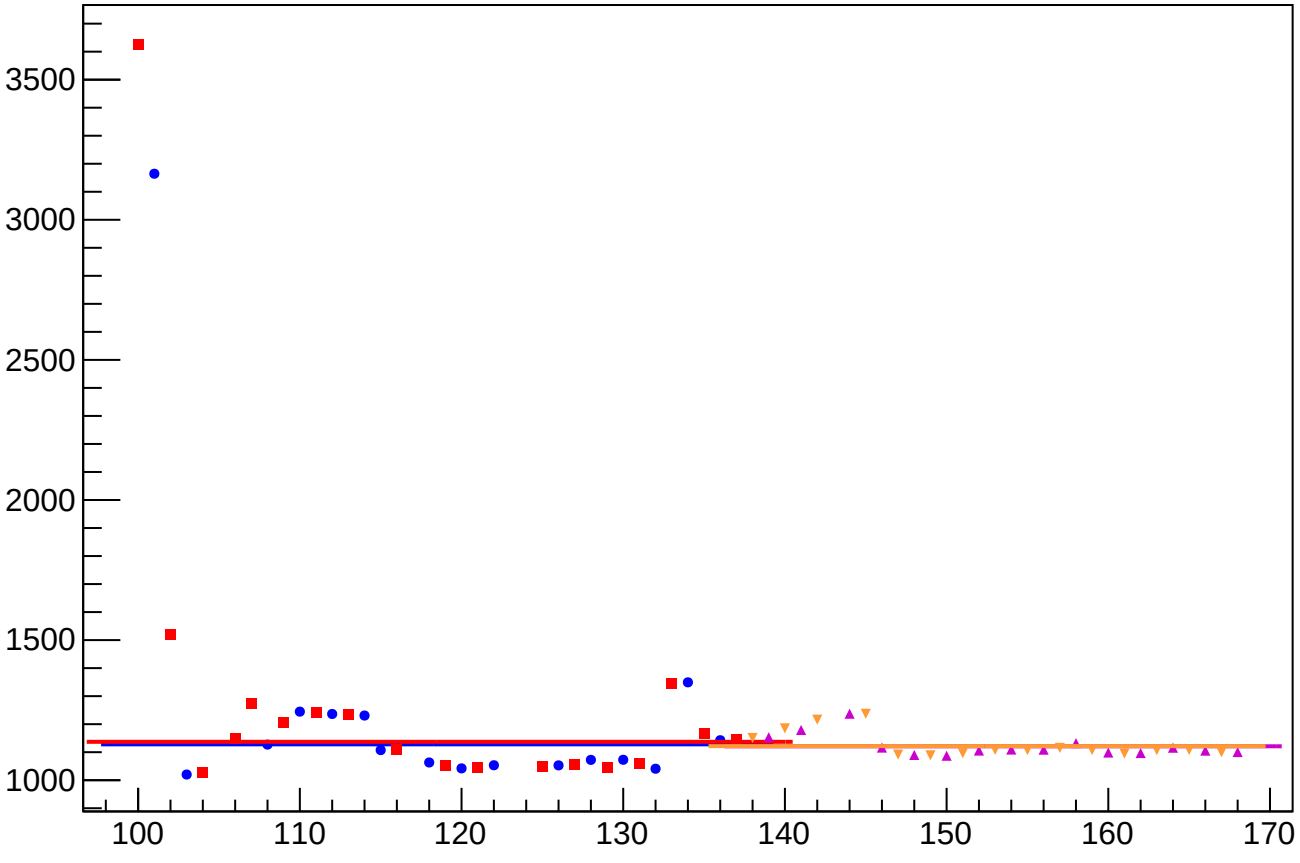
Left In: 822.622+/-318.394 χ^2/NDF:9.2/14

\+ sign 291.172+/-259.815 χ^2/NDF: 42.5/30

All: 399.785+/-182.369 χ^2/NDF: 75.5/63

\- sign 505.266+/-256.043 χ^2/NDF: 32.7/32

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1121.628+/-0.231 χ^2/NDF:31911.1/14

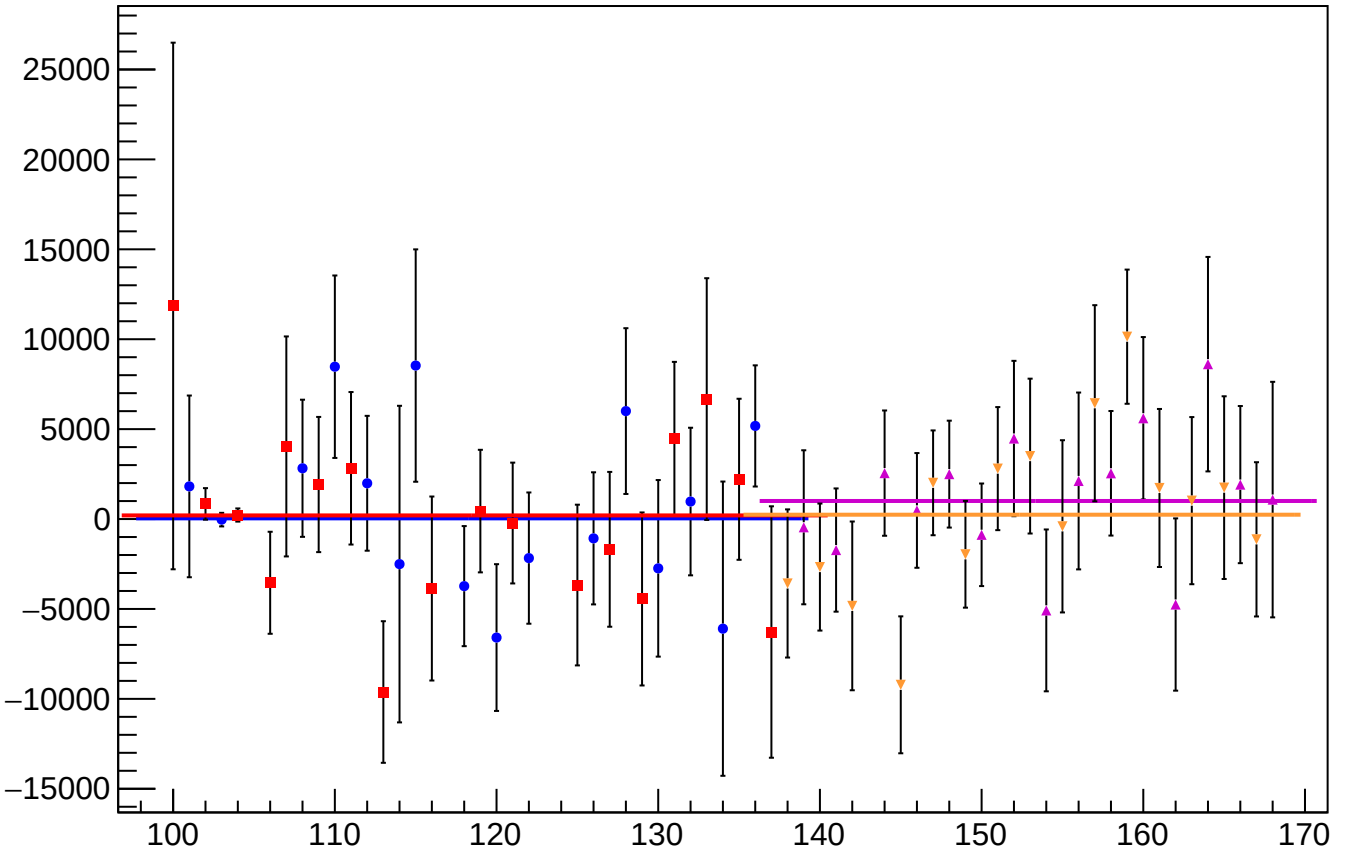
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1121.074+/-0.225 χ^2/NDF:27879.3/14

+ sign 1123.966+/-0.184 χ^2/NDF: 653585.5/30

All: 1125.368+/-0.129 χ^2/NDF: 903447.1/63

- sign 1126.728+/-0.181 χ^2/NDF: 249746.8/32



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: 241.199+/-1018.277 χ^2/NDF:19.6/14

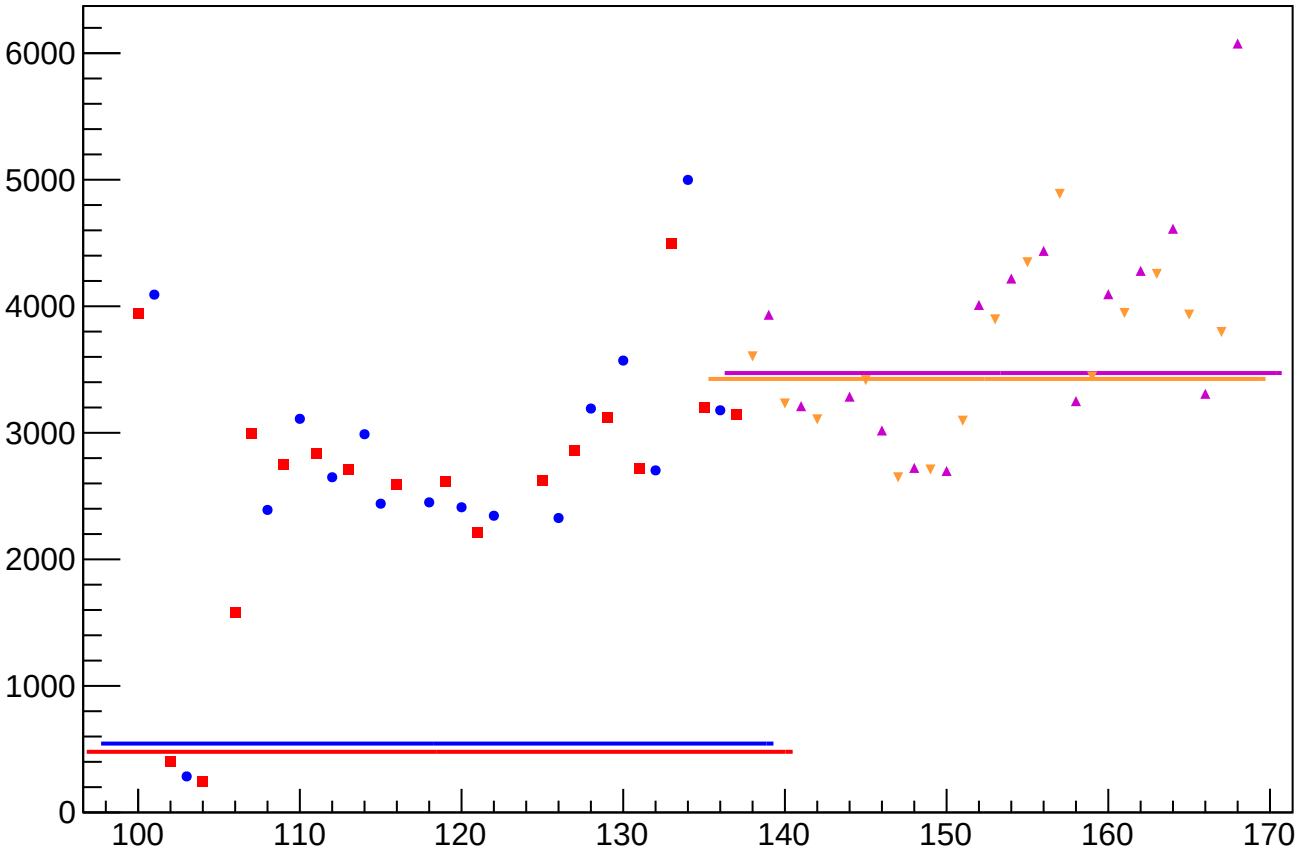
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 1004.462+/-1009.853 χ^2/NDF:8.5/14

+ sign 60.582+/-337.442 χ^2/NDF: 34.5/30

All: 178.334+/-227.186 χ^2/NDF: 59.5/63

- sign 275.960+/-307.253 χ^2/NDF: 24.7/32



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3425.848+/-0.720 χ^2/NDF:665202.6/14

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

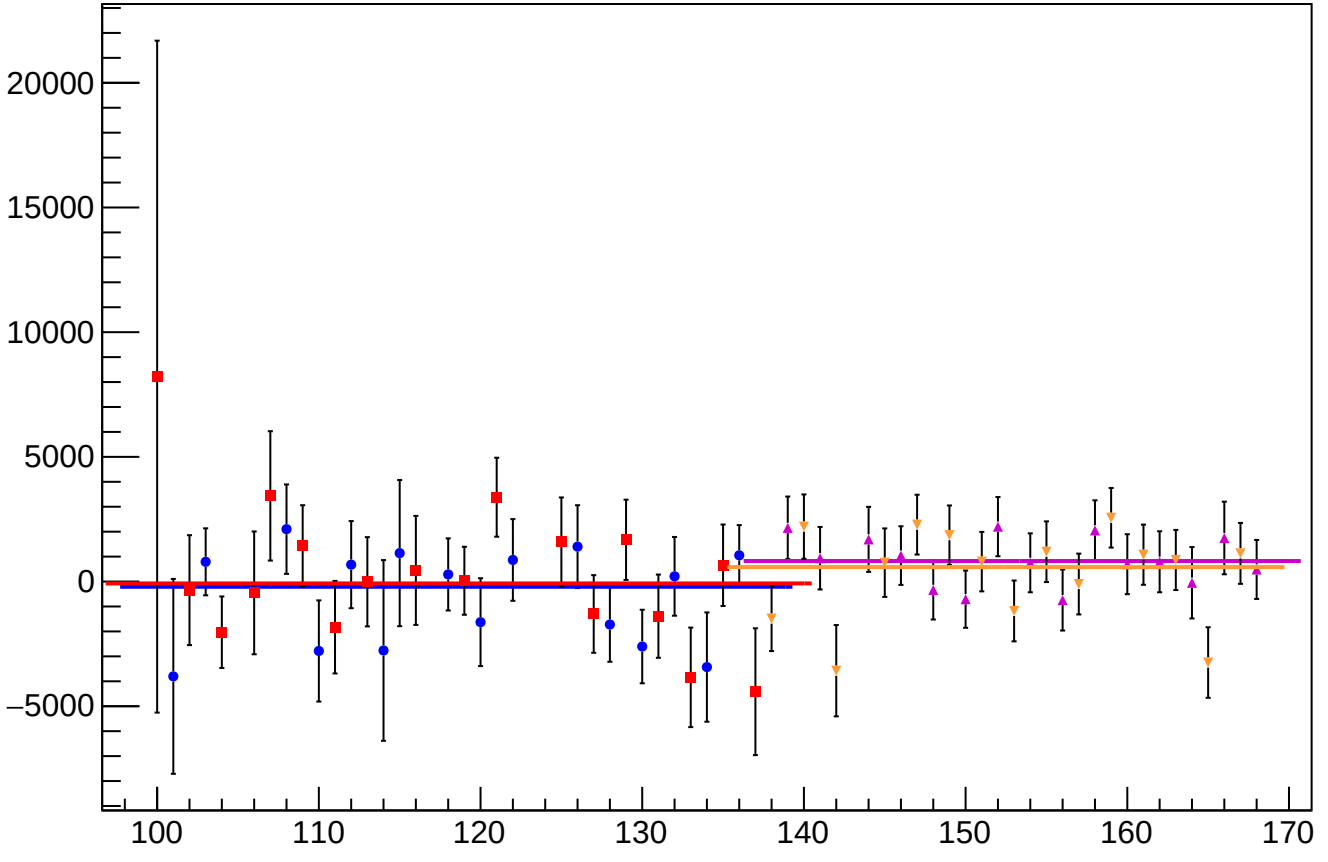
Left In: 3472.433+/-0.714 χ^2/NDF:1013777.5/14

+ sign 860.773+/-0.239 χ^2/NDF: 24604852.0/30

All: 803.674+/-0.161 χ^2/NDF: 50855155.8/63

- sign 756.335+/-0.217 χ^2/NDF: 26145563.3/32

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 580.231+/-326.437 χ^2/NDF:25.6/14

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

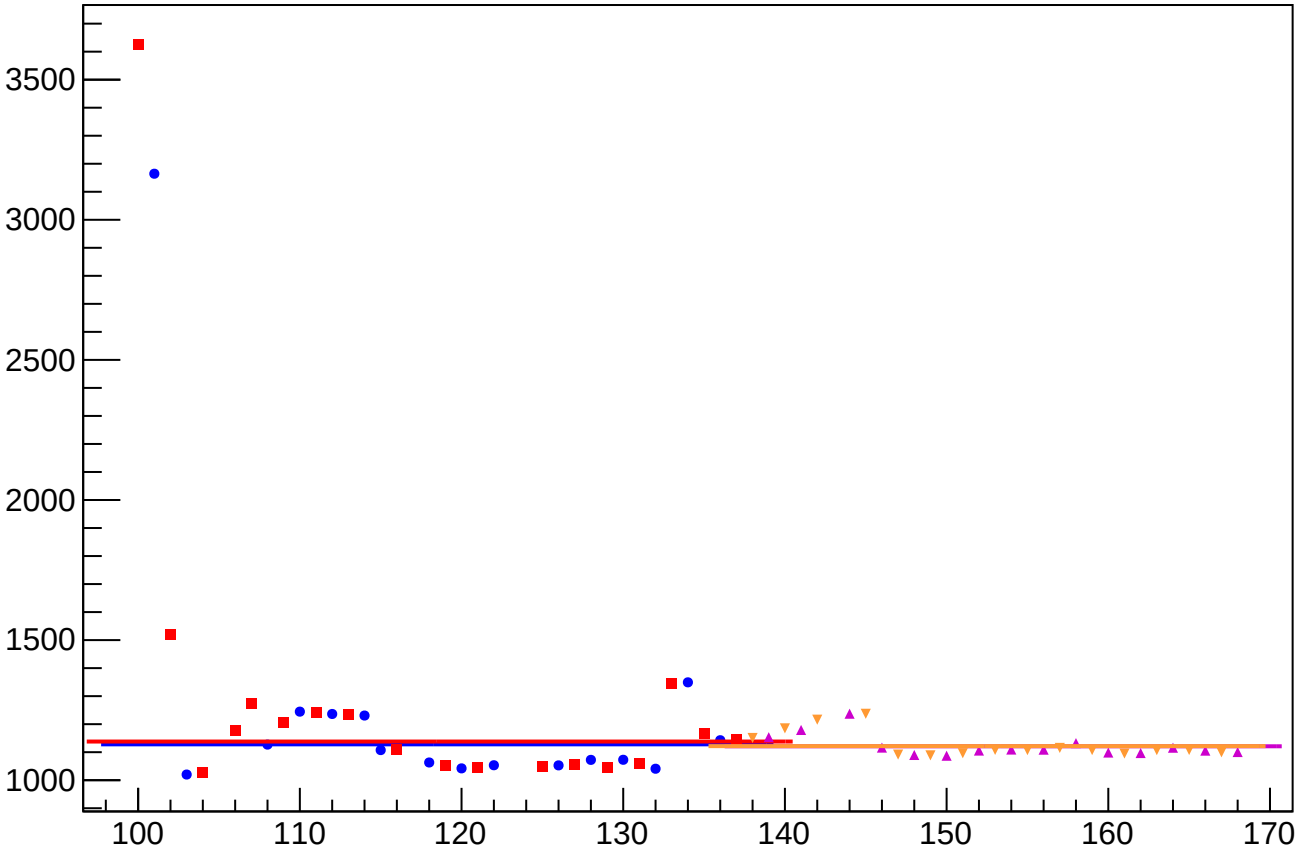
Left In: 822.624+/-318.394 χ^2/NDF:9.2/14

\+ sign 291.285+/-259.815 χ^2/NDF: 42.5/30

All: 399.815+/-182.369 χ^2/NDF: 75.5/63

\- sign 505.216+/-256.043 χ^2/NDF: 32.7/32

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1121.628+/-0.231 χ^2/NDF:31911.0/14

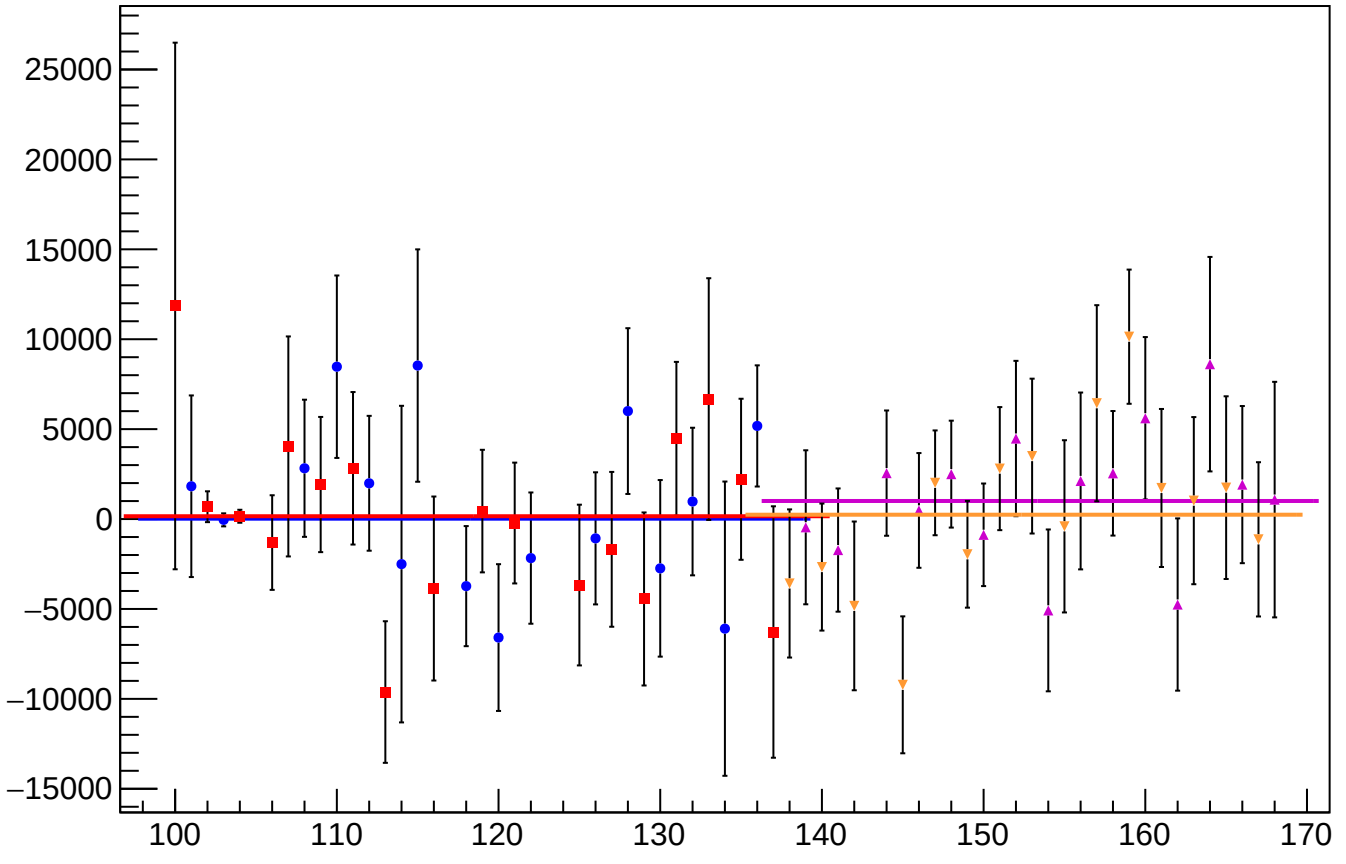
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1121.074+/-0.225 χ^2/NDF:27879.3/14

+ sign 1123.966+/-0.184 χ^2/NDF: 653586.6/30

All: 1125.535+/-0.129 χ^2/NDF: 904232.5/63

- sign 1127.058+/-0.181 χ^2/NDF: 250502.2/32



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 241.225+/-1018.277 χ^2/NDF:19.6/14

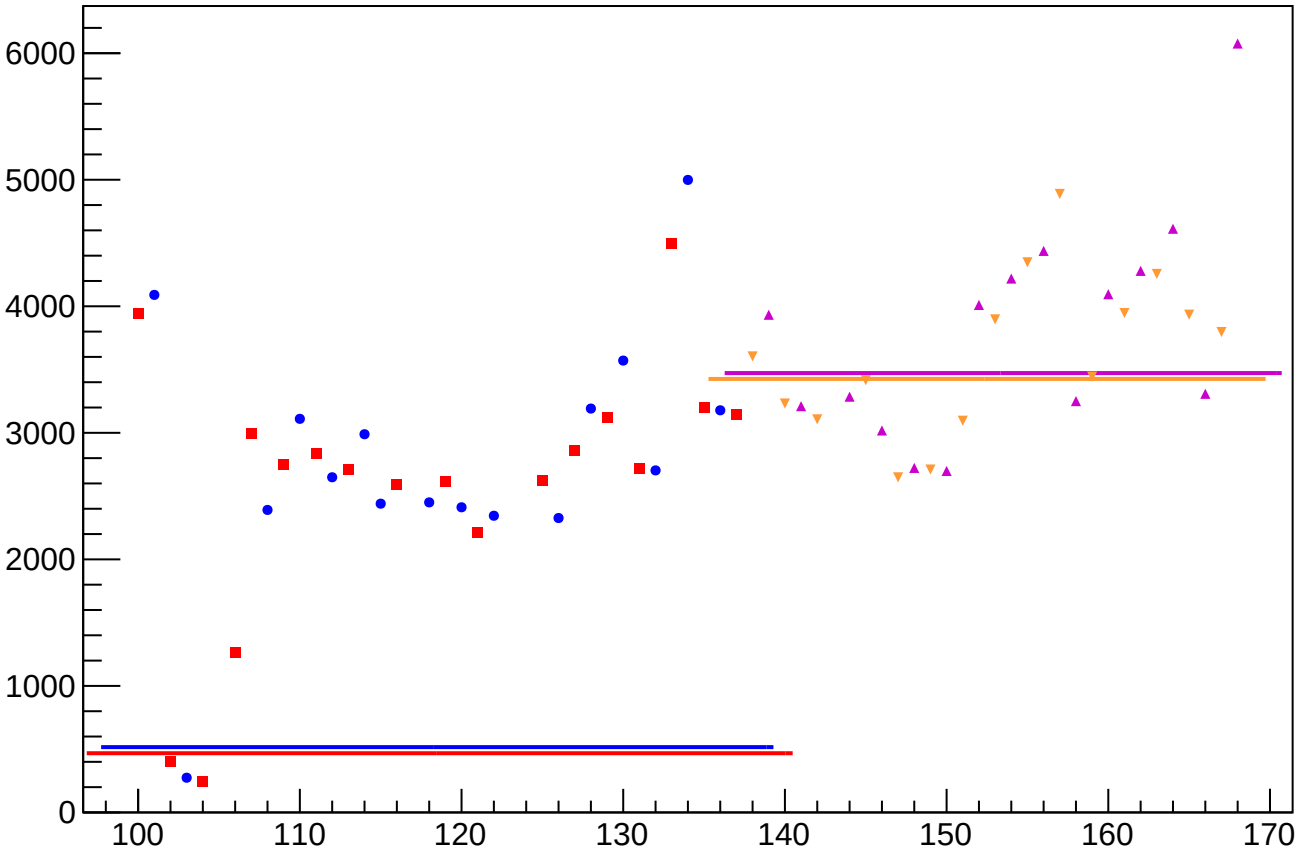
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 1004.462+/-1009.853 χ^2/NDF:8.5/14

+ sign 44.200+/-326.352 χ^2/NDF: 34.5/30

All: 145.386+/-221.959 χ^2/NDF: 57.9/63

- sign 232.477+/-302.768 χ^2/NDF: 23.2/32



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3425.848+/-0.720 χ^2/NDF:665208.8/14

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

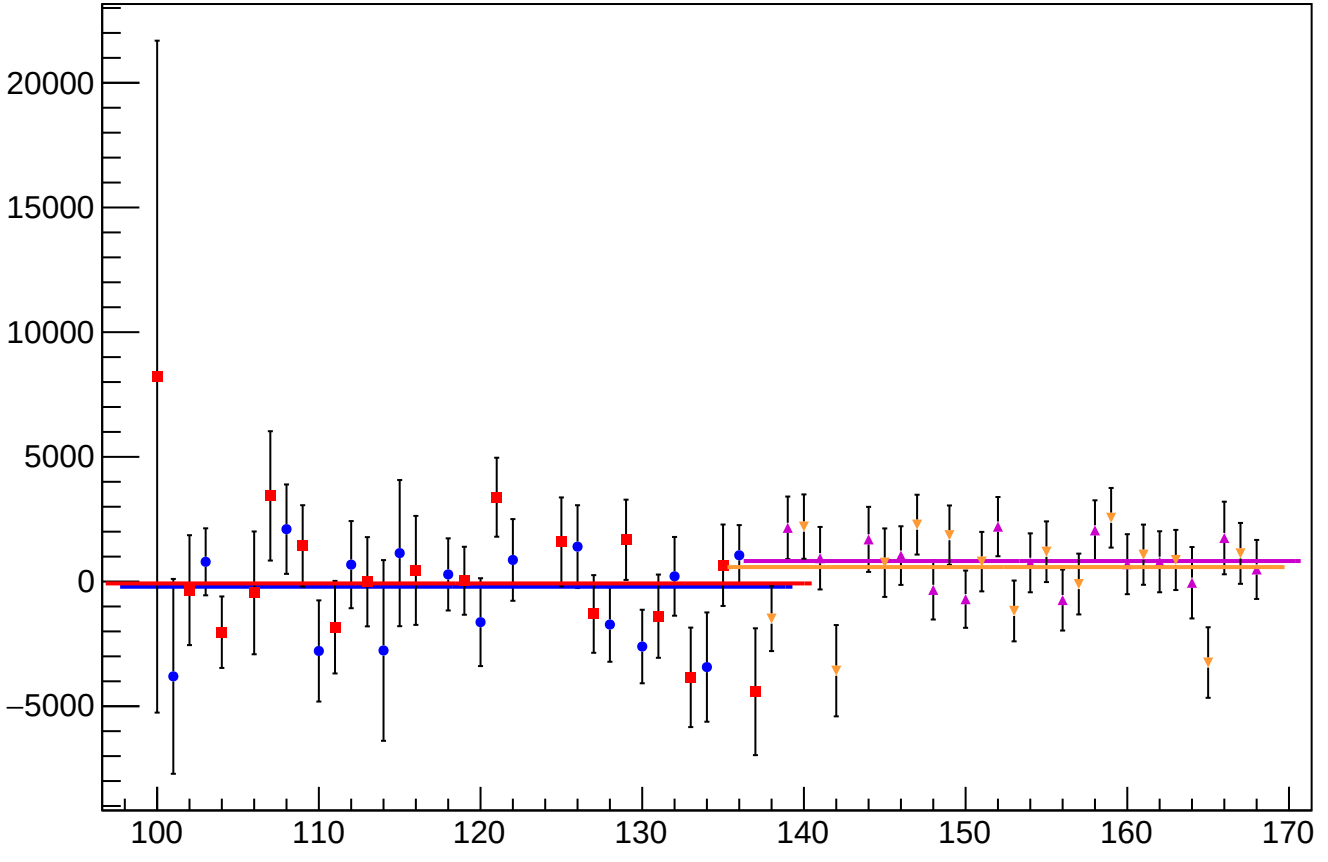
Left In: 3472.431+/-0.714 χ^2/NDF:1013782.9/14

+ sign 815.156+/-0.231 χ^2/NDF: 25151294.6/30

All: 773.752+/-0.157 χ^2/NDF: 51446951.7/63

- sign 738.117+/-0.214 χ^2/NDF: 26235761.2/32

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: 580.231+/-326.437 χ^2/NDF:25.6/14

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

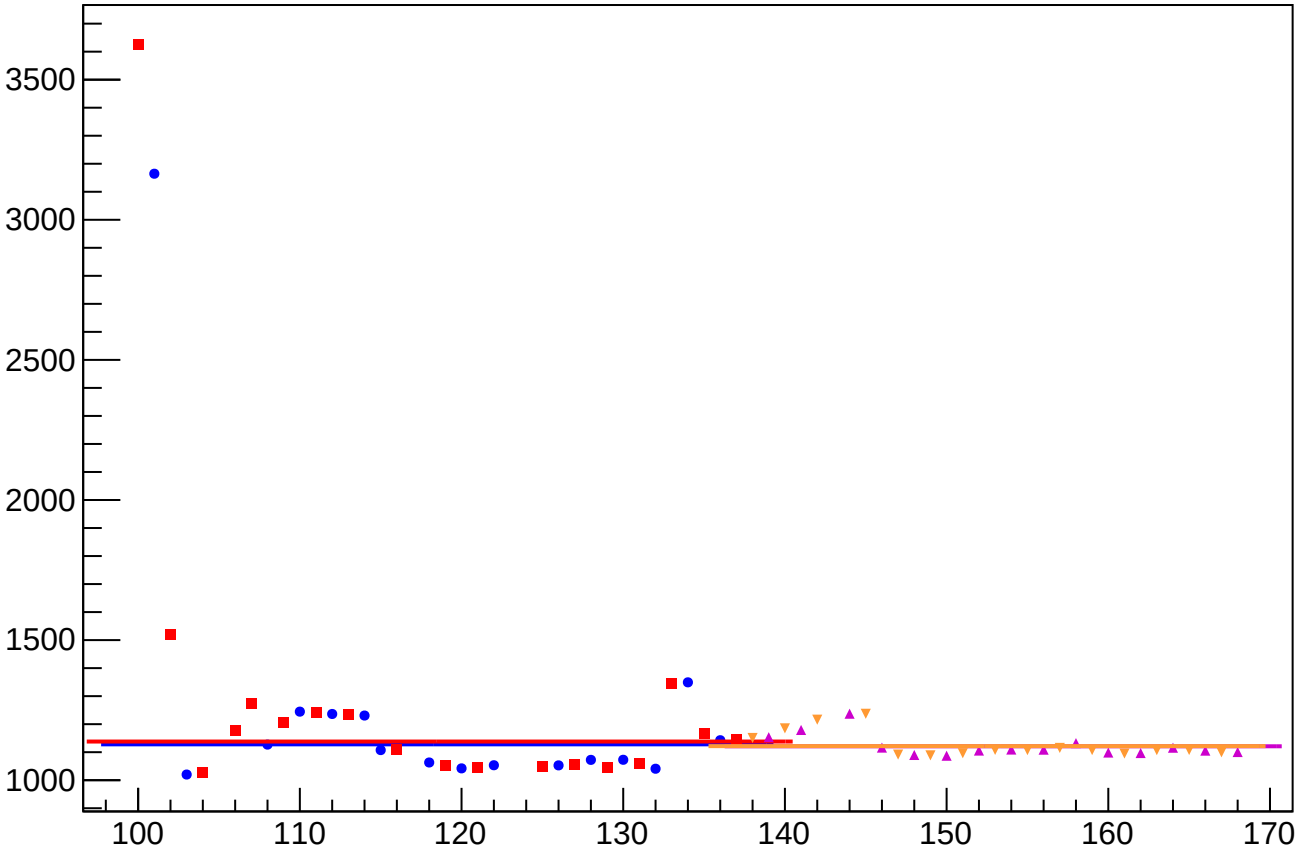
Left In: 822.624+/-318.394 χ^2/NDF:9.2/14

+ sign 291.285+/-259.815 χ^2/NDF: 42.5/30

All: 399.815+/-182.369 χ^2/NDF: 75.5/63

- sign 505.216+/-256.043 χ^2/NDF: 32.7/32

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: 1121.628+/-0.231 χ^2/NDF:31911.0/14

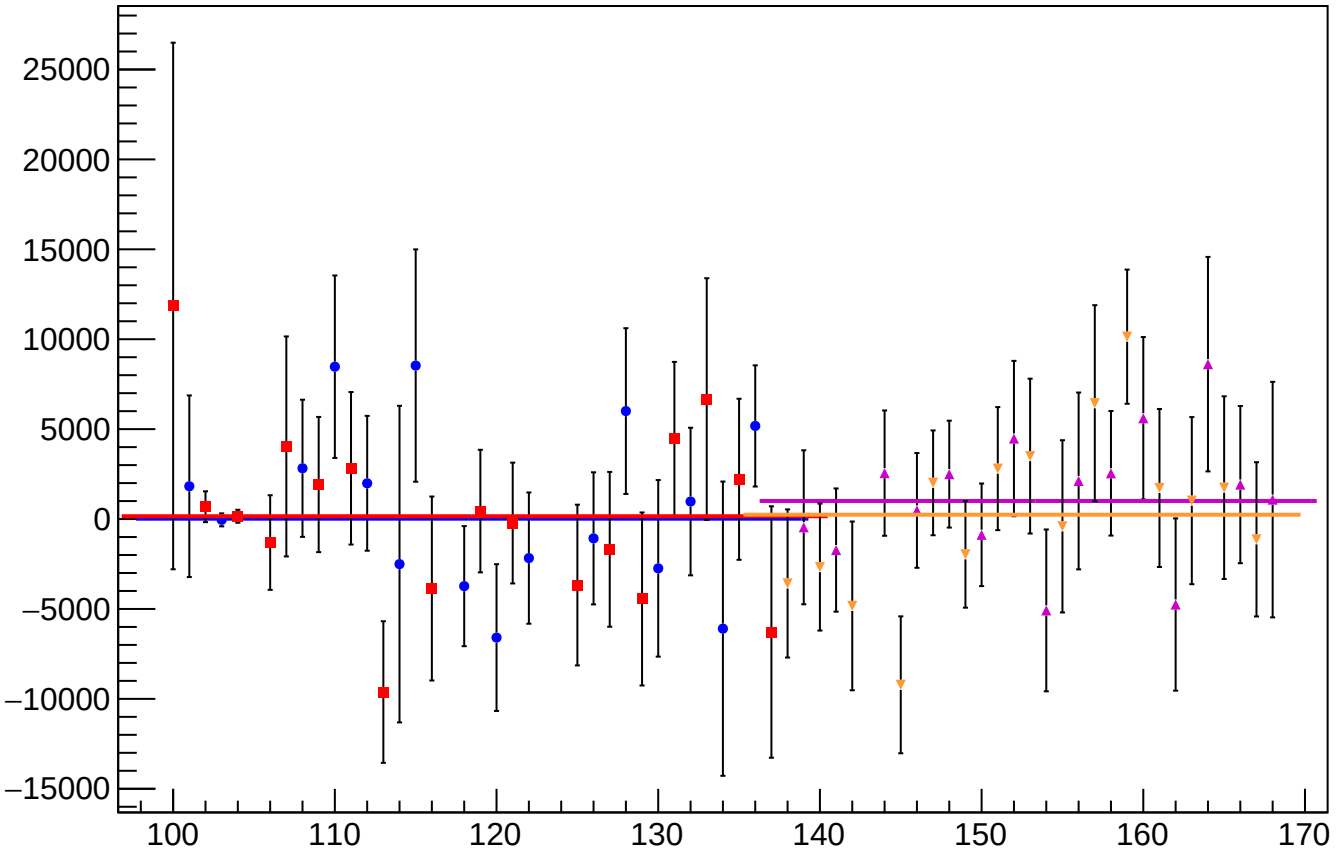
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1121.074+/-0.225 χ^2/NDF:27879.3/14

+ sign 1123.966+/-0.184 χ^2/NDF: 653586.6/30

All: 1125.535+/-0.129 χ^2/NDF: 904232.5/63

- sign 1127.058+/-0.181 χ^2/NDF: 250502.2/32



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 241.225+/-1018.277 χ^2/NDF:19.6/14

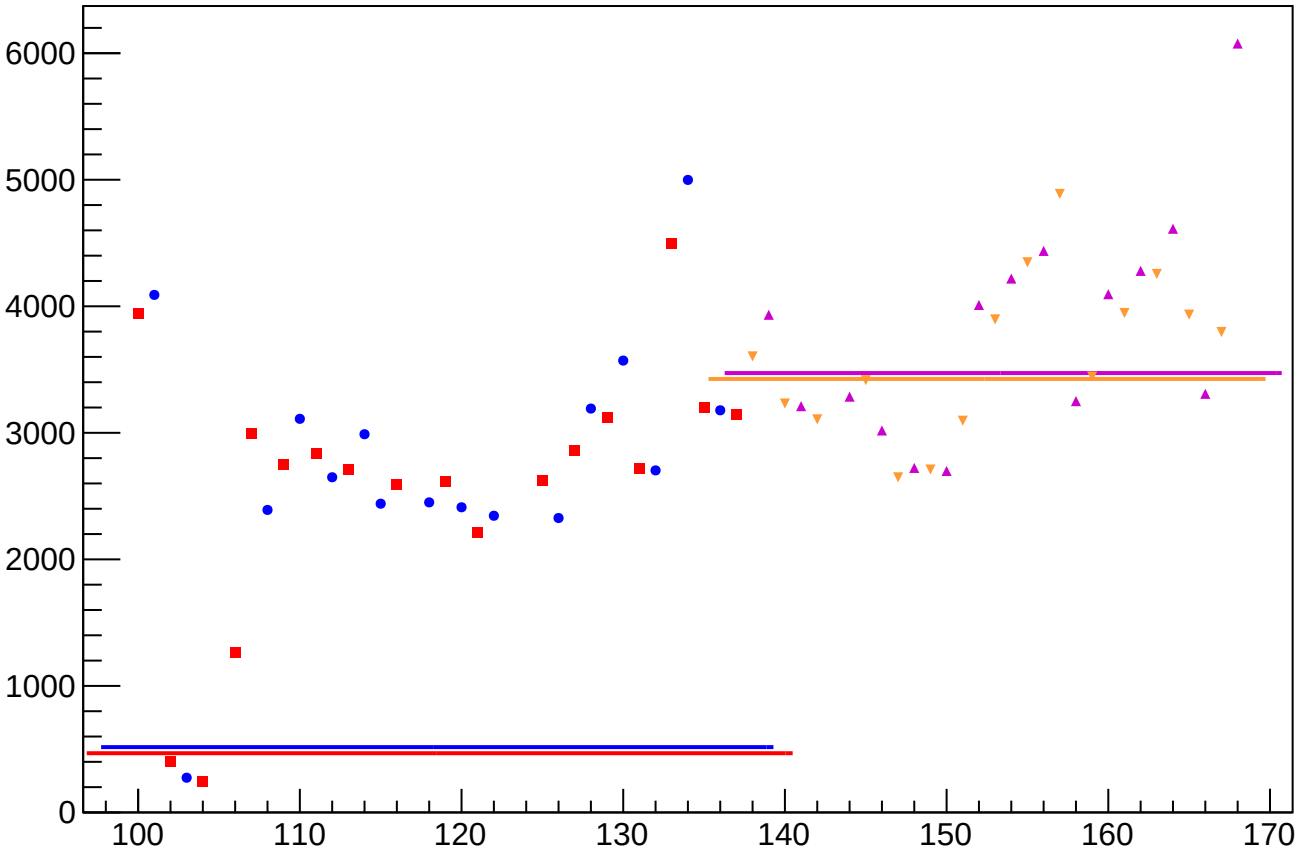
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 1004.462+/-1009.853 χ^2/NDF:8.5/14

+ sign 44.200+/-326.352 χ^2/NDF: 34.5/30

All: 145.386+/-221.959 χ^2/NDF: 57.9/63

- sign 232.477+/-302.768 χ^2/NDF: 23.2/32



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3425.848+/-0.720 χ^2/NDF:665208.8/14

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

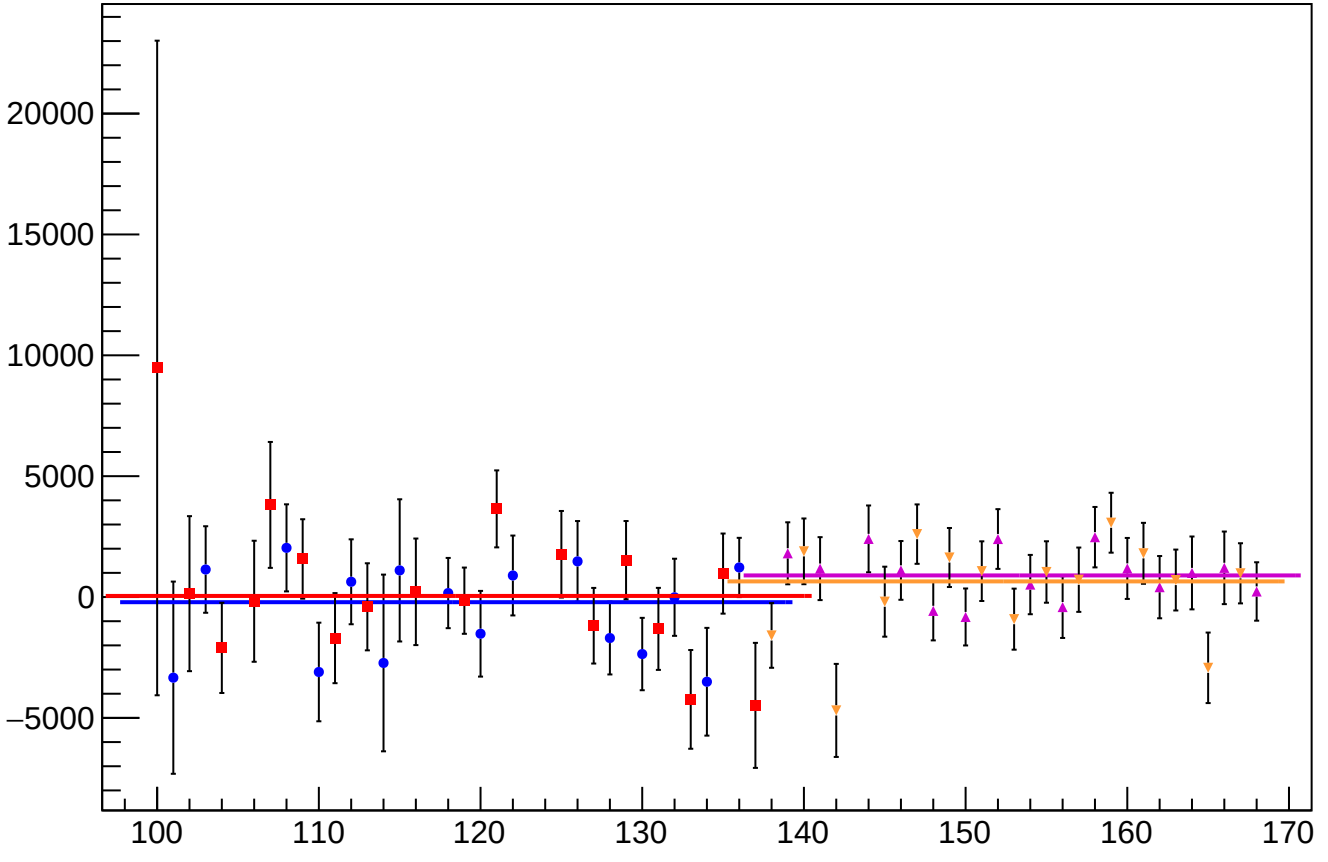
Left In: 3472.431+/-0.714 χ^2/NDF:1013782.9/14

+ sign 815.156+/-0.231 χ^2/NDF: 25151294.6/30

All: 773.752+/-0.157 χ^2/NDF: 51446951.7/63

- sign 738.117+/-0.214 χ^2/NDF: 26235761.2/32

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 647.128+/-339.535 χ^2/NDF:27.4/14

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

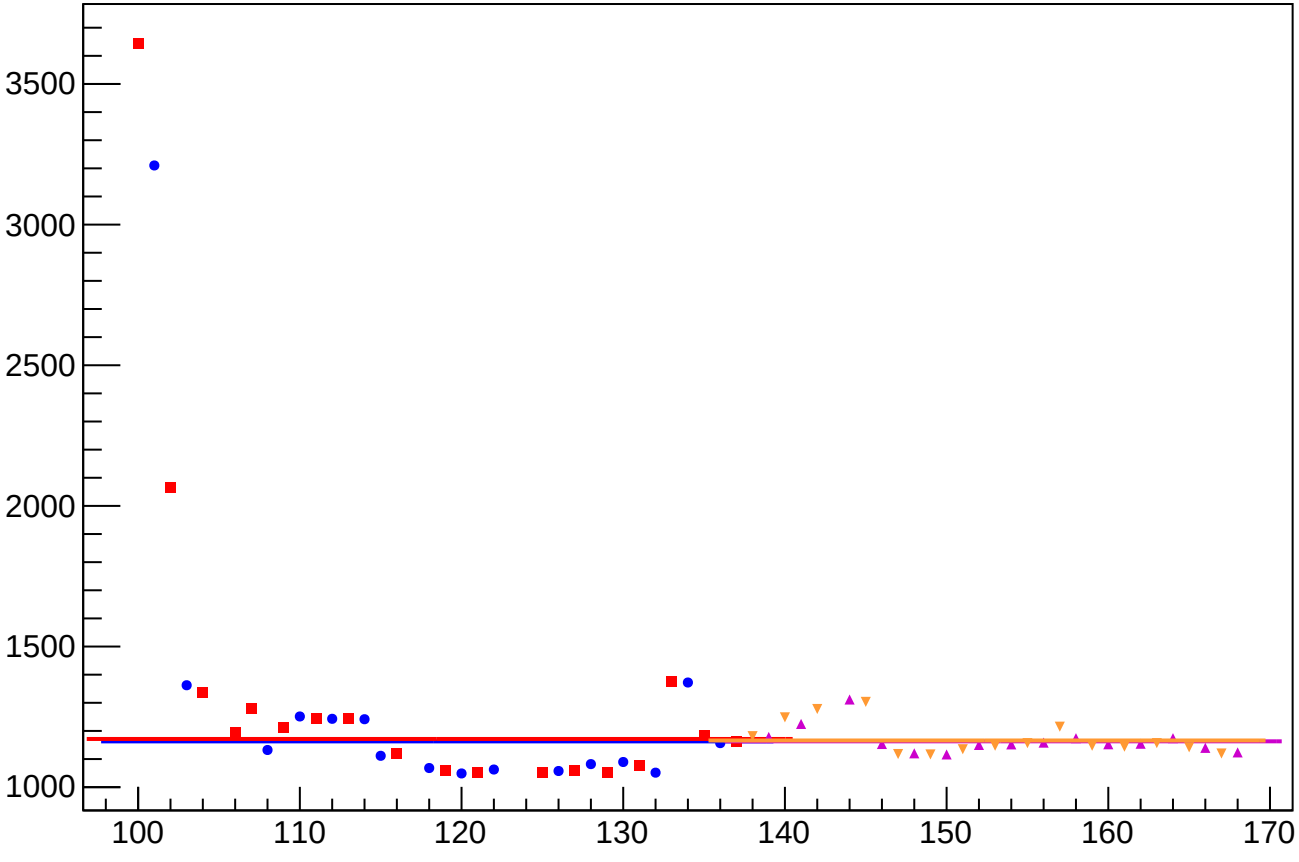
Left In: 894.121+/-330.417 χ^2/NDF:10.1/14

+ sign 328.519+/-269.415 χ^2/NDF: 44.1/30

All: 463.318+/-189.197 χ^2/NDF: 78.7/63

- sign 594.476+/-265.753 χ^2/NDF: 34.1/32

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1166.018+/-0.240 χ^2/NDF:47722.2/14

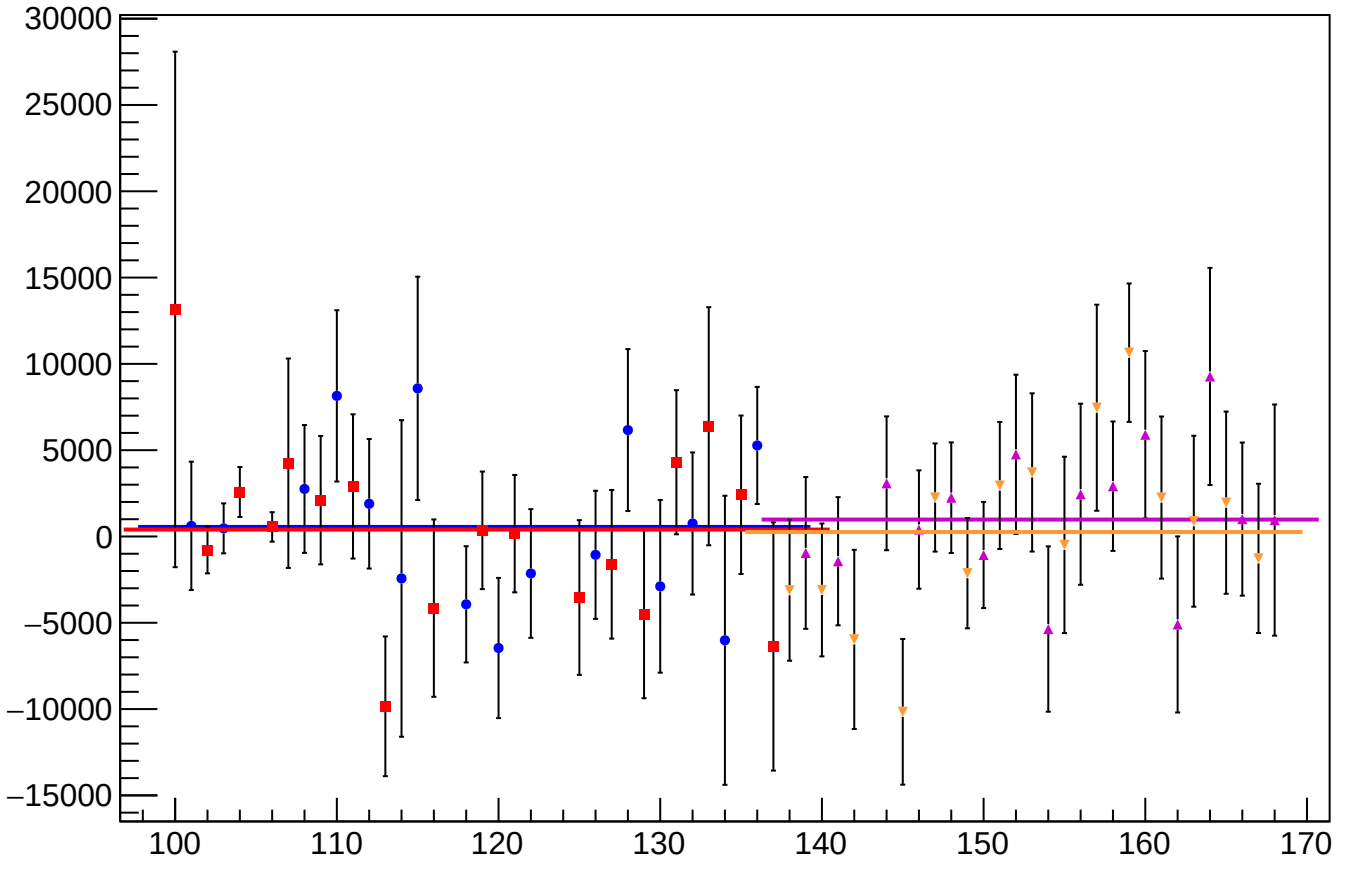
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1163.051+/-0.234 χ^2/NDF:37119.1/14

+ sign 1164.845+/-0.191 χ^2/NDF: 683140.1/30

All: 1165.435+/-0.134 χ^2/NDF: 1052372.3/63

- sign 1166.008+/-0.188 χ^2/NDF: 369213.3/32



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 261.928+/-1087.082 χ^2/NDF:19.7/14

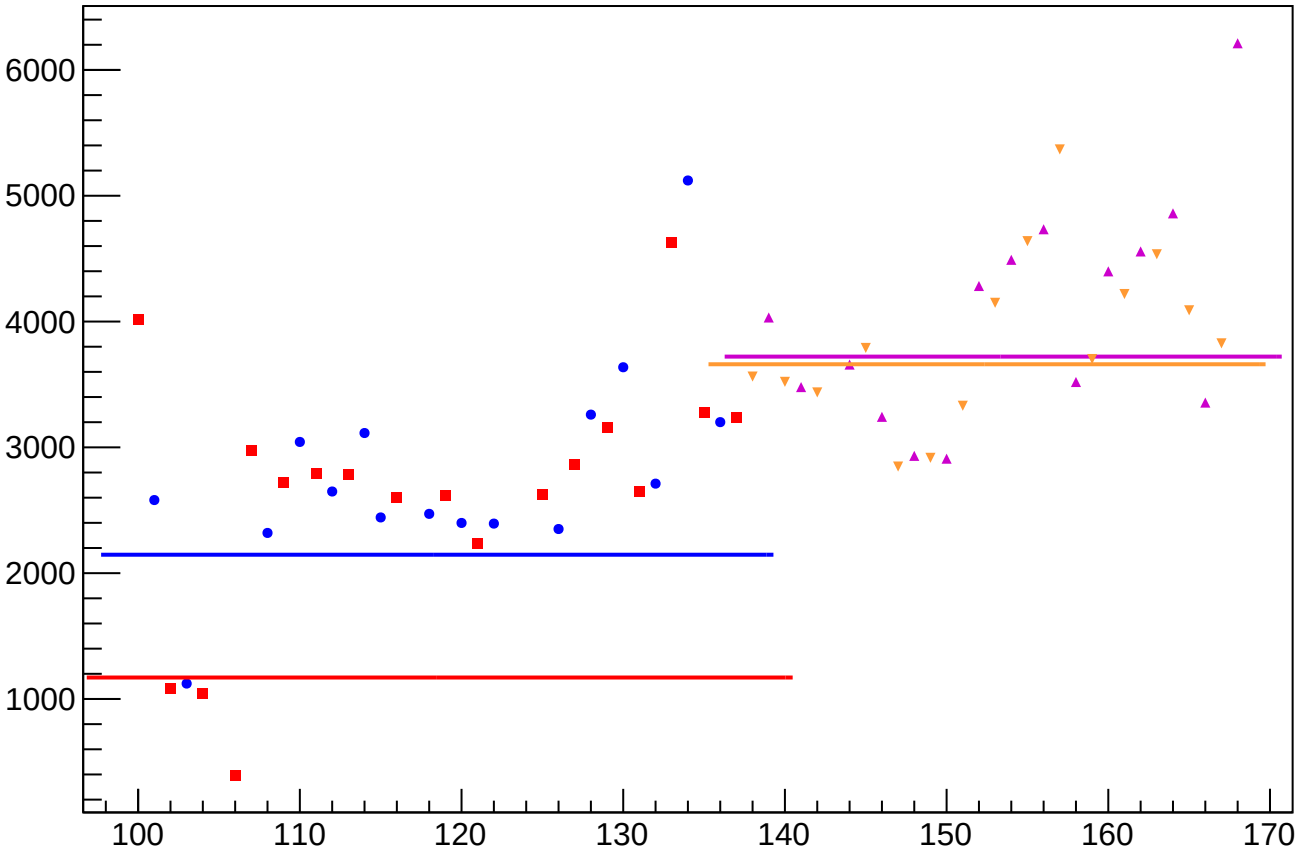
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 979.692+/-1080.572 χ^2/NDF:8.5/14

+ sign 438.408+/-681.213 χ^2/NDF: 34.1/30

All: 494.645+/-403.754 χ^2/NDF: 59.5/63

- sign 525.099+/-501.293 χ^2/NDF: 25.4/32



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3660.542+/-0.769 χ^2/NDF:635254.8/14

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

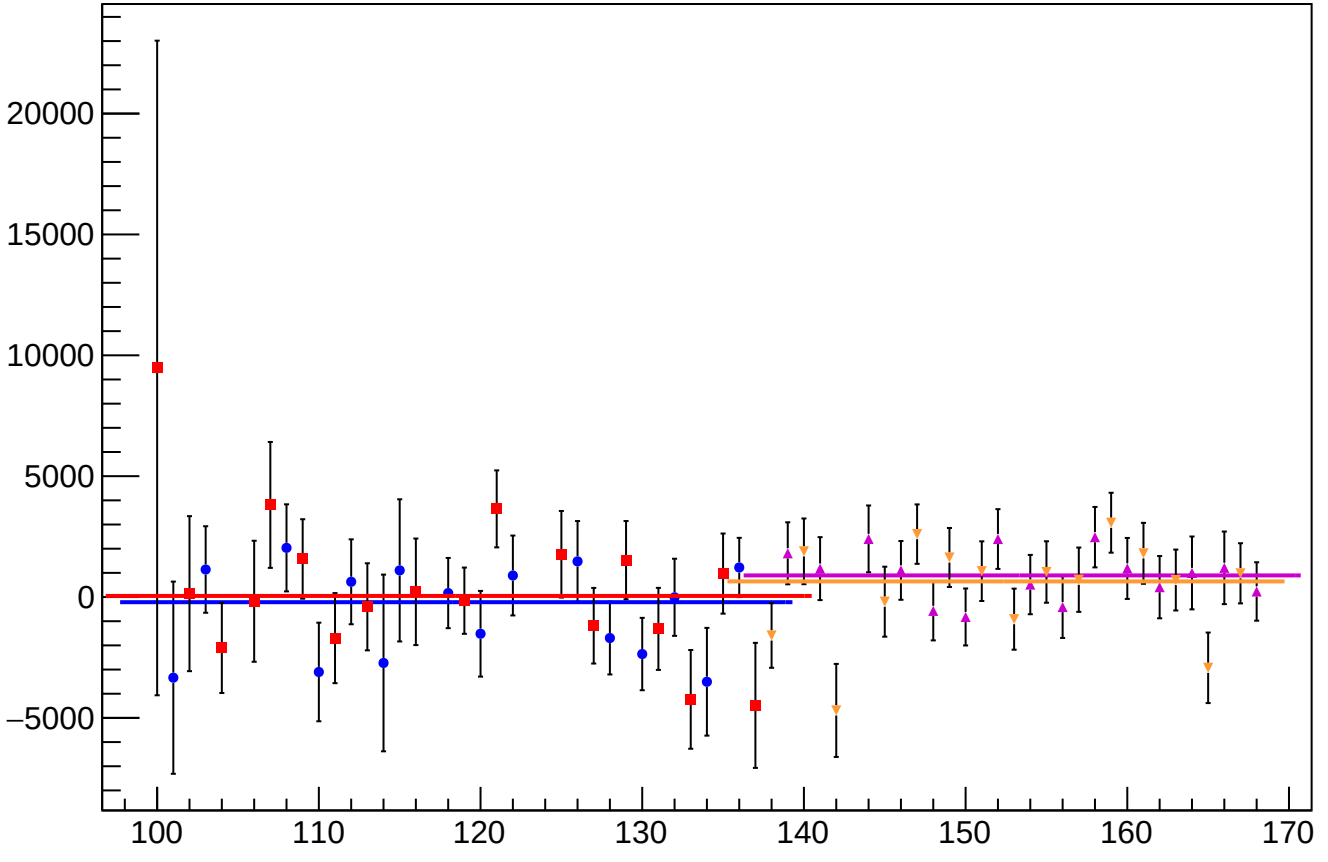
Left In: 3721.337+/-0.764 χ^2/NDF:928576.8/14

+ sign 2741.108+/-0.482 χ^2/NDF: 4965737.6/30

All: 2078.410+/-0.285 χ^2/NDF: 23375606.5/6

- sign 1719.542+/-0.354 χ^2/NDF: 15492125.3/32

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: 647.130+/-339.535 χ^2/NDF:27.4/14

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

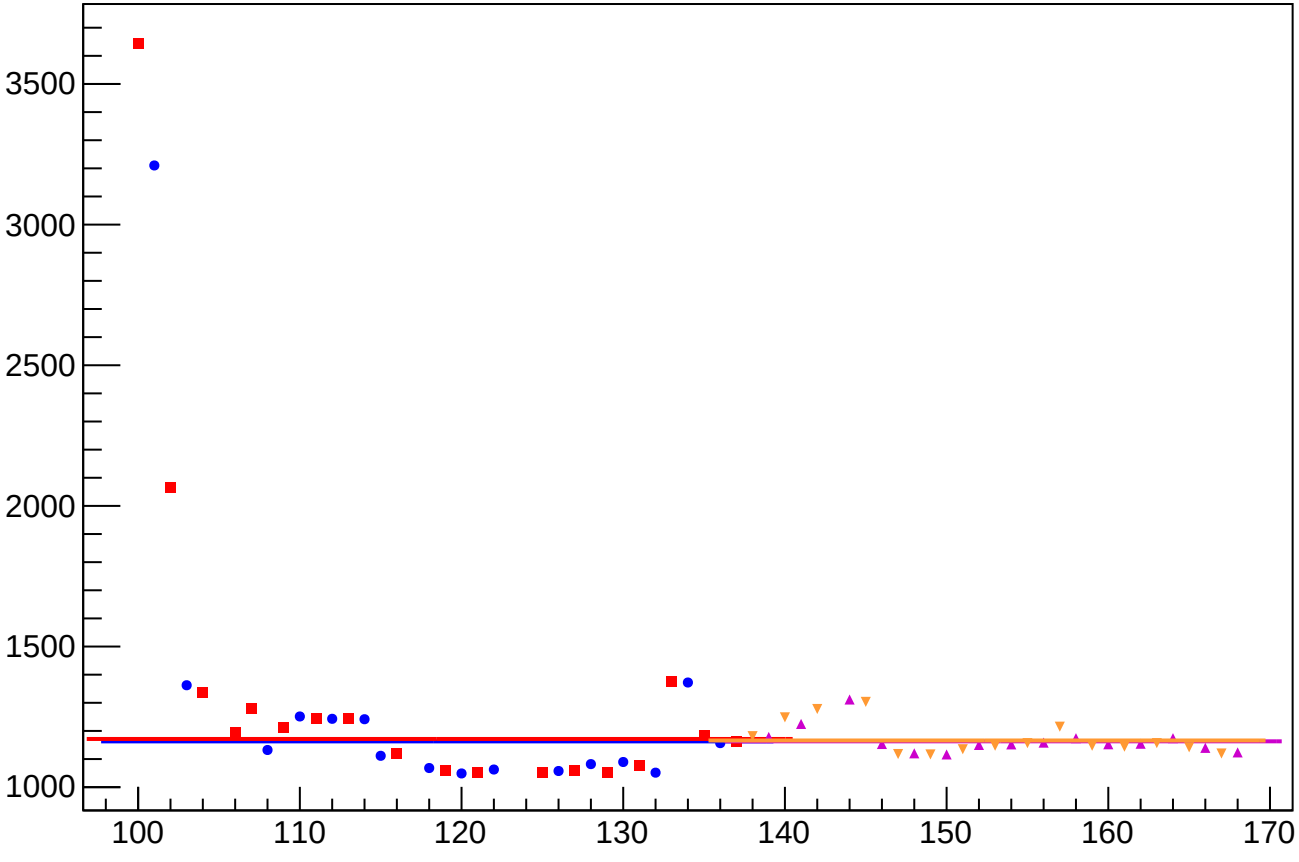
Left In: 894.121+/-330.417 χ^2/NDF:10.1/14

+ sign 328.519+/-269.415 χ^2/NDF: 44.1/30

All: 463.318+/-189.197 χ^2/NDF: 78.7/63

- sign 594.477+/-265.753 χ^2/NDF: 34.1/32

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: 1166.019+/-0.240 χ^2/NDF:47722.6/14

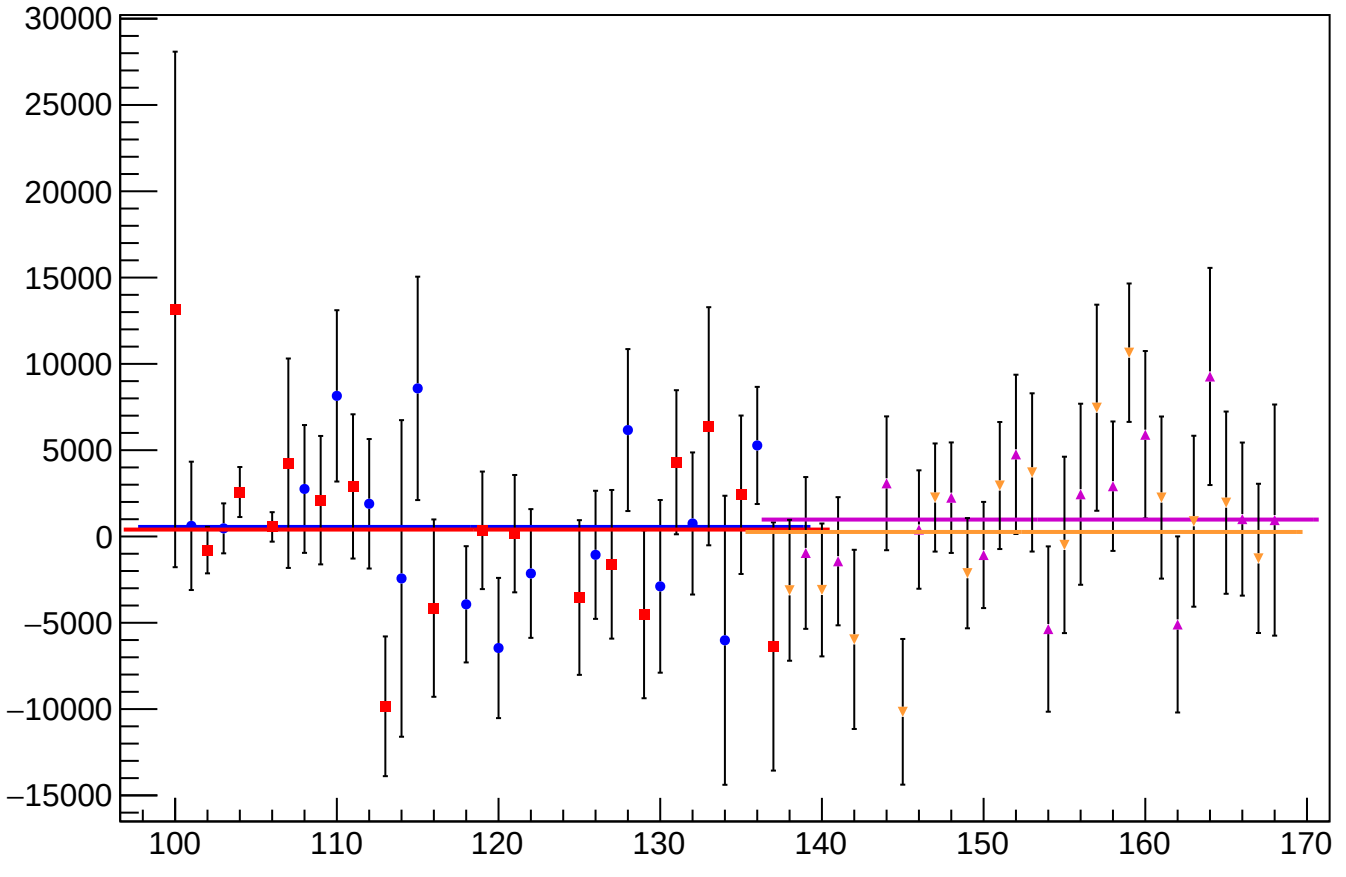
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1163.052+/-0.234 χ^2/NDF:37119.3/14

+ sign 1164.846+/-0.191 χ^2/NDF: 683140.7/30

All: 1165.435+/-0.134 χ^2/NDF: 1052372.6/63

- sign 1166.009+/-0.188 χ^2/NDF: 369213.0/32



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 261.929+/-1087.083 χ^2/NDF:19.7/14

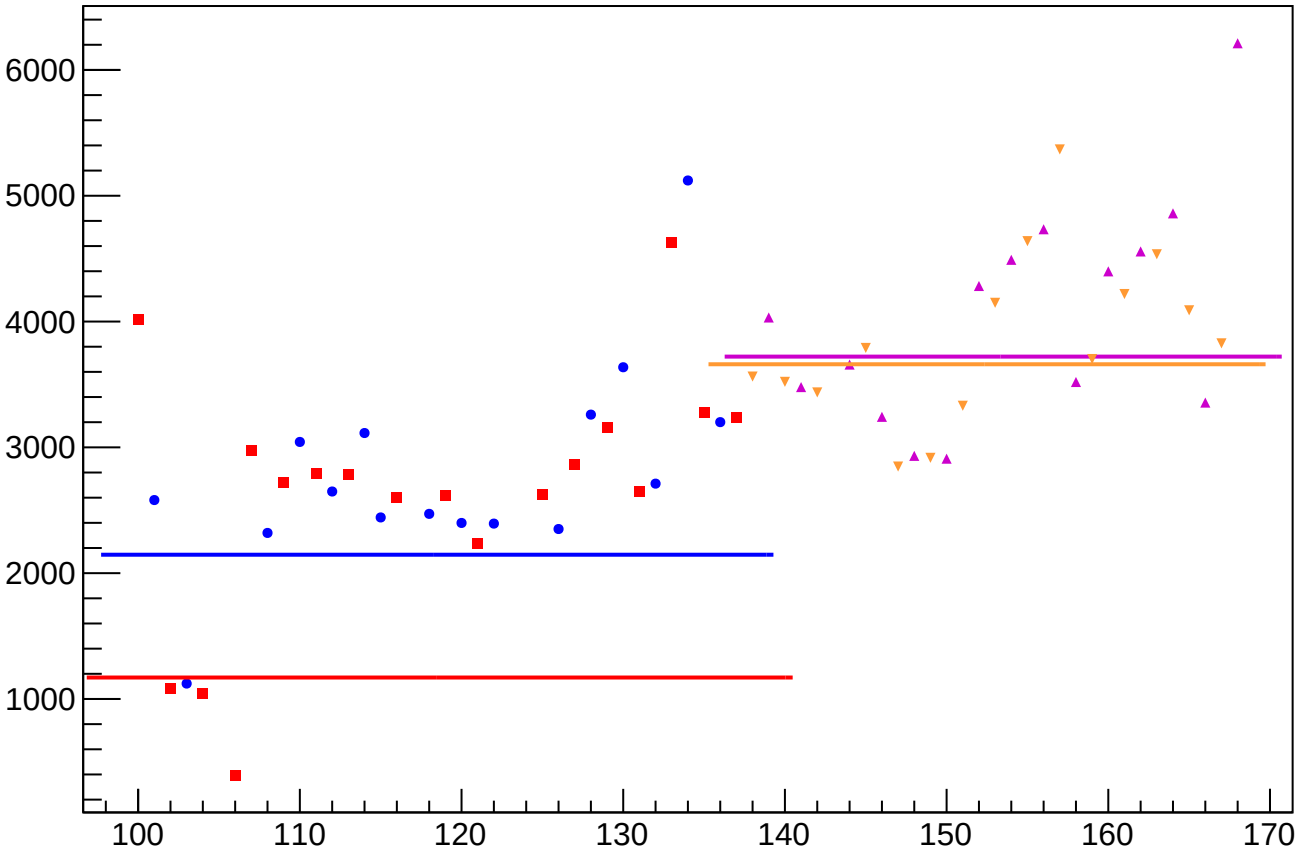
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 979.690+/-1080.573 χ^2/NDF:8.5/14

+ sign 438.404+/-681.213 χ^2/NDF: 34.1/30

All: 494.643+/-403.751 χ^2/NDF: 59.5/63

- sign 525.097+/-501.289 χ^2/NDF: 25.4/32



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3660.547+/-0.769 χ^2/NDF:635257.3/14

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

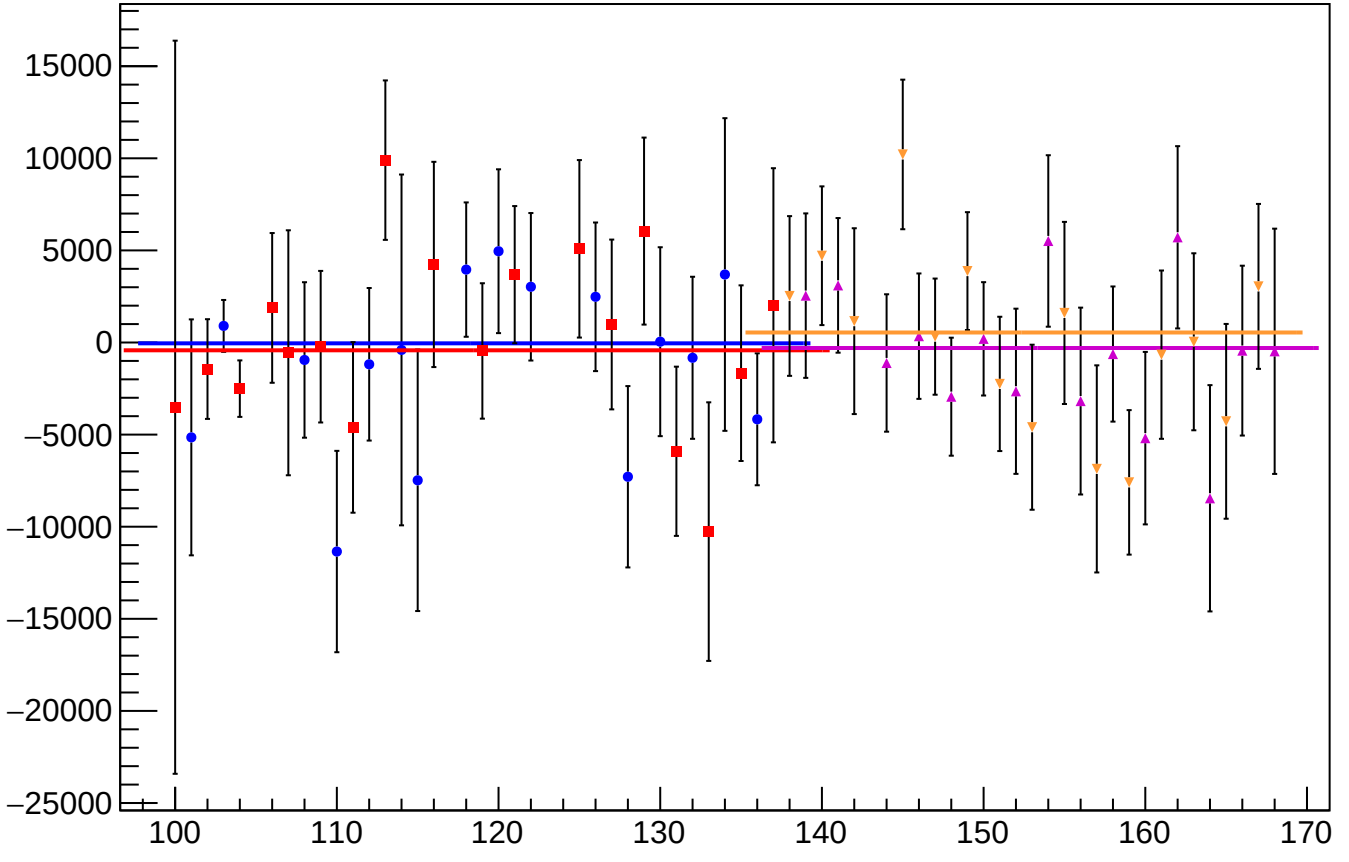
Left In: 3721.342+/-0.764 χ^2/NDF:928578.7/14

+ sign 2741.106+/-0.482 χ^2/NDF: 4965759.5/30

All: 2078.386+/-0.285 χ^2/NDF: 23376146.9/6

- sign 1719.513+/-0.354 χ^2/NDF: 15492471.9/32

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 543.356+/-1077.377 χ^2/NDF:17.4/14

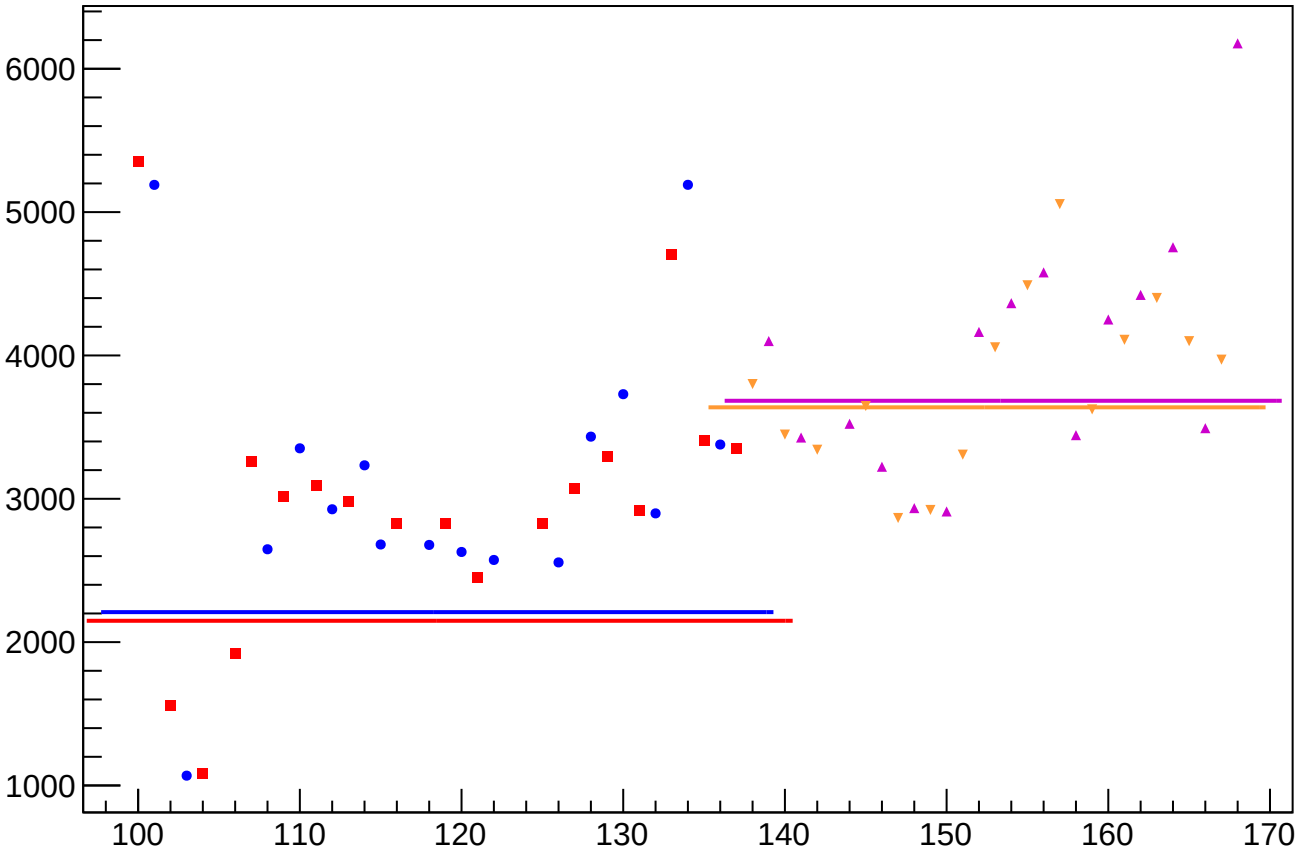
Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -299.031+/-1067.216 χ^2/NDF:8.6/14

+ sign 203.408+/-699.951 χ^2/NDF: 31.3/30

All: -89.845+/-490.133 χ^2/NDF: 57.6/63

- sign -371.975+/-686.548 χ^2/NDF: 25.9/32



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3638.061+/-0.762 χ^2/NDF:553267.9/14

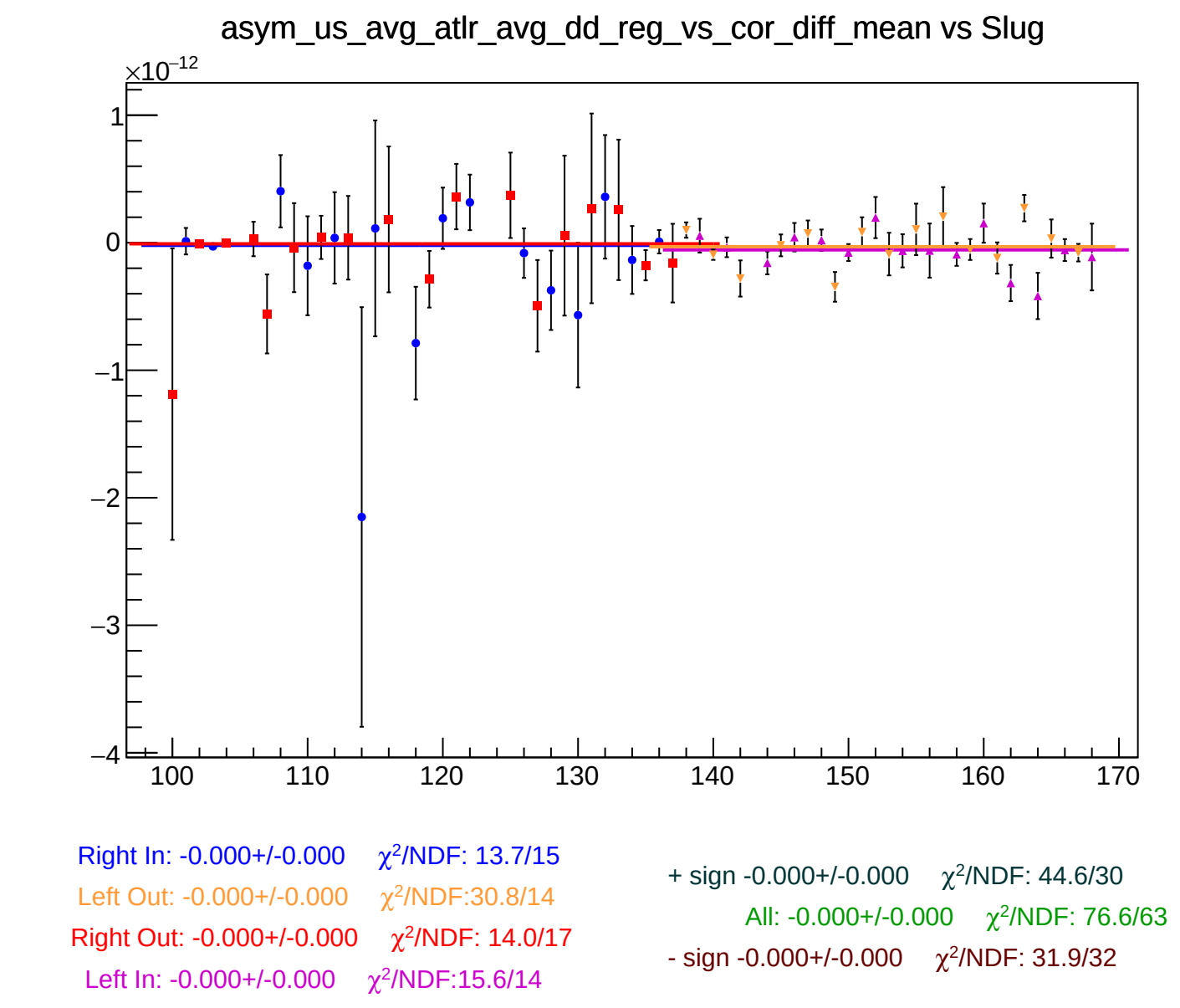
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3683.771+/-0.755 χ^2/NDF:858222.5/14

+ sign 2812.384+/-0.495 χ^2/NDF: 5422731.2/30

All: 2797.052+/-0.346 χ^2/NDF: 10981980.1/6

- sign 2782.343+/-0.485 χ^2/NDF: 5557368.8/32


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
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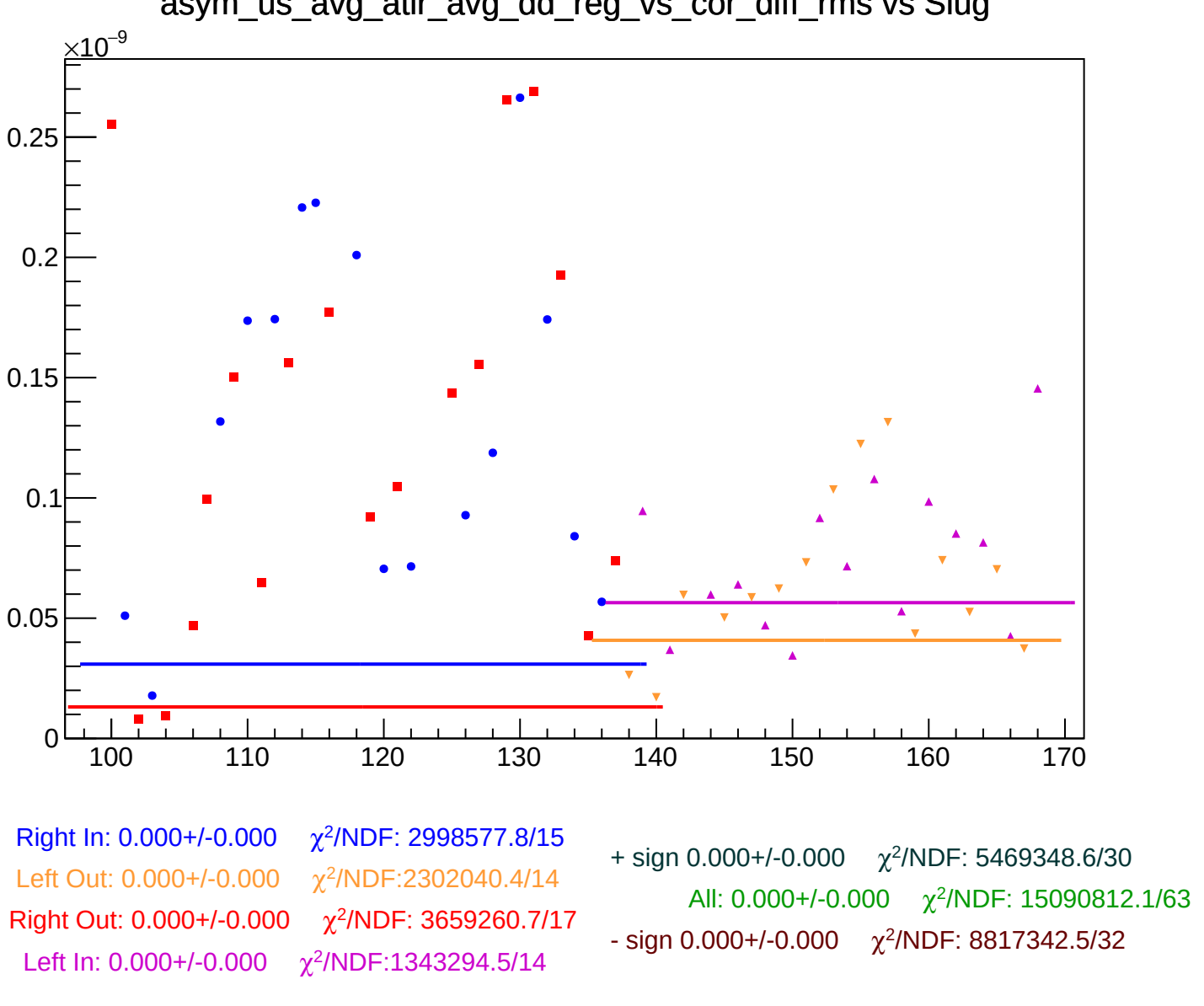
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:30.8/14
Right Out: -0.000+/-0.000 χ²/NDF: 14.0/17
Left In: -0.000+/-0.000 χ²/NDF:15.6/14
+ sign -0.000+/-0.000 χ²/NDF: 44.6/30
All: -0.000+/-0.000 χ²/NDF: 76.6/63
- sign -0.000+/-0.000 χ²/NDF: 31.9/32


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug
×10^−9
0.25
0.2
0.15
0.1
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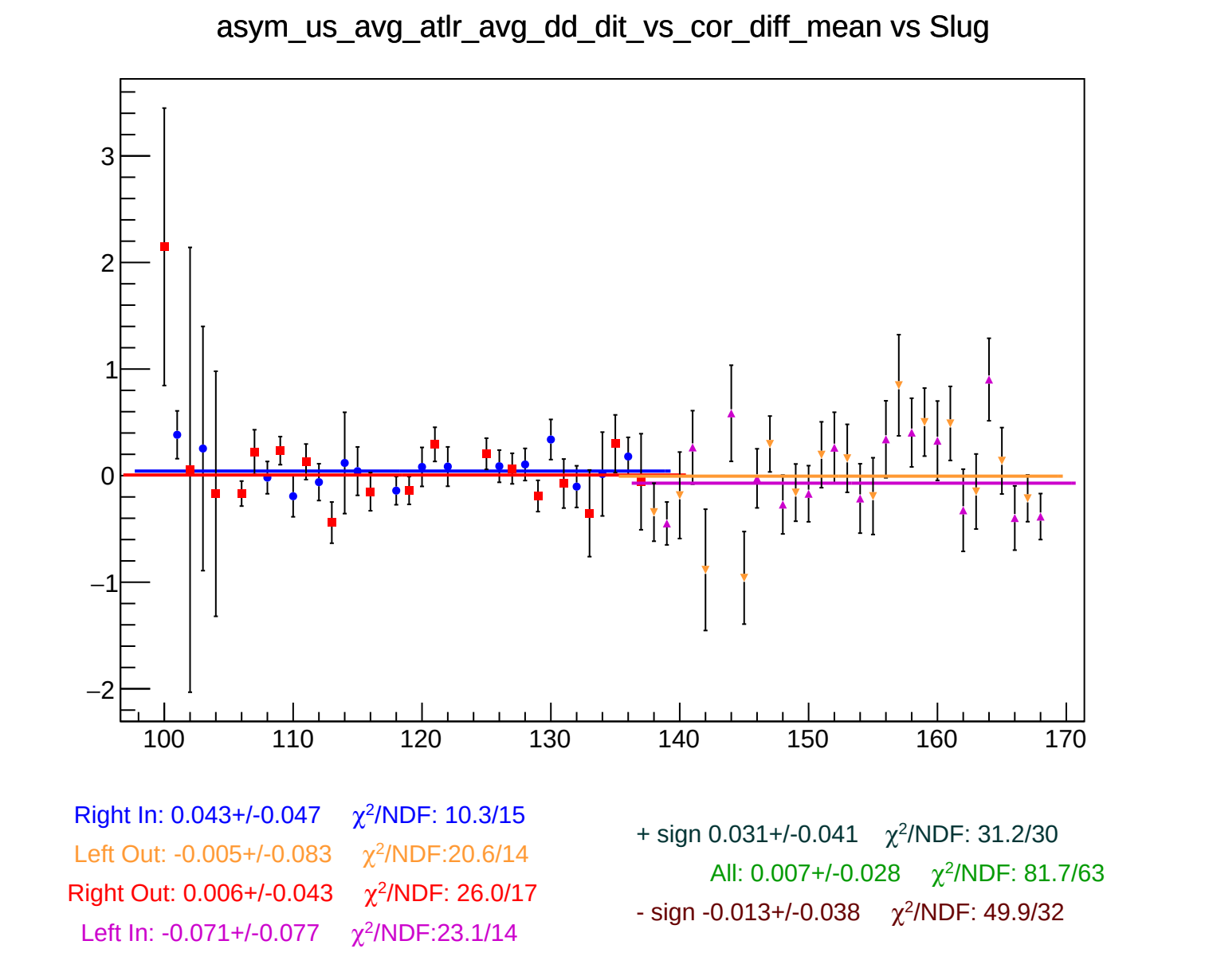
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2998577.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2302040.4/14
Right Out: 0.000+/-0.000 χ²/NDF: 3659260.7/17
Left In: 0.000+/-0.000 χ²/NDF:1343294.5/14
+ sign 0.000+/-0.000 χ²/NDF: 5469348.6/30
All: 0.000+/-0.000 χ²/NDF: 15090812.1/63
- sign 0.000+/-0.000 χ²/NDF: 8817342.5/32


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
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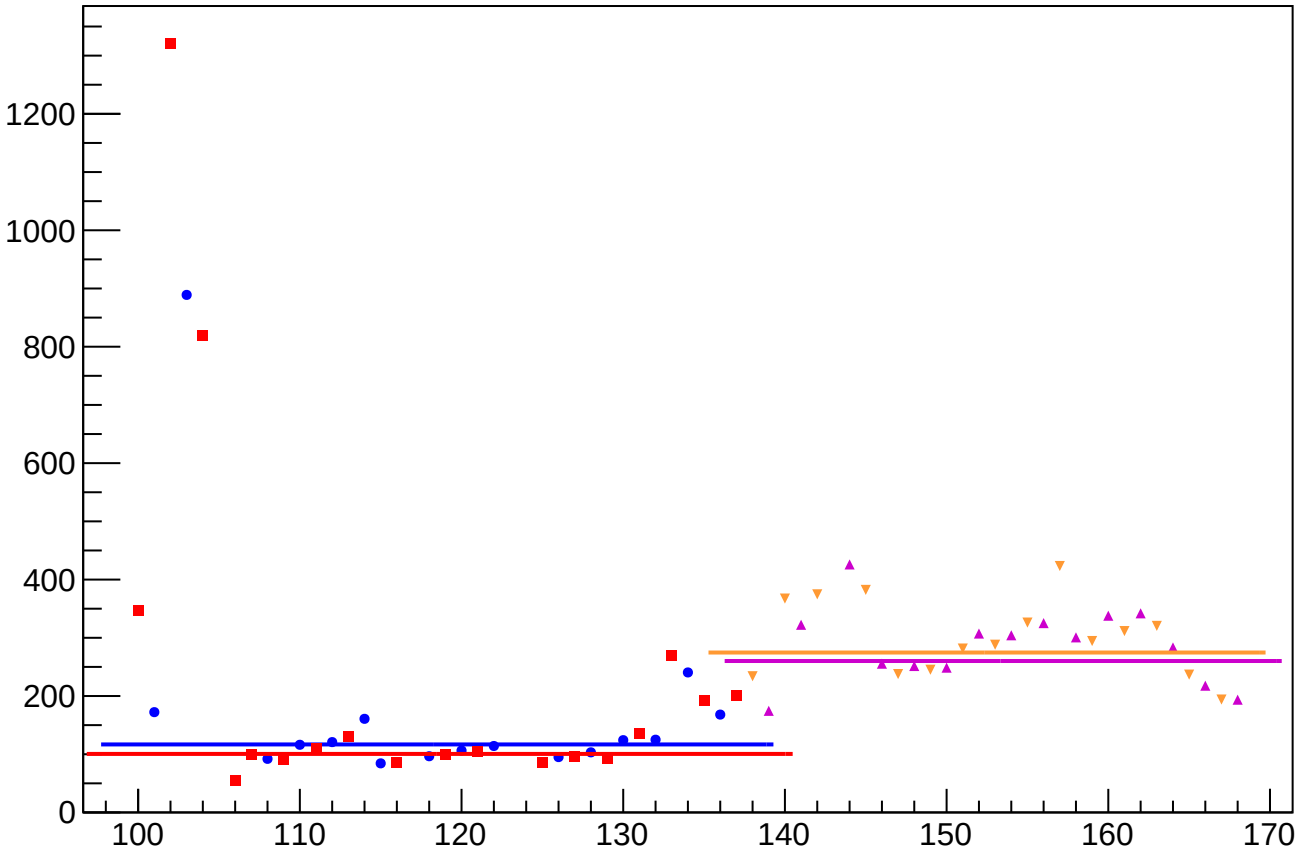
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.005+/-0.083 χ²/NDF:20.6/14
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.071+/-0.077 χ²/NDF:23.1/14
+ sign 0.031+/-0.041 χ²/NDF: 31.2/30
All: 0.007+/-0.028 χ²/NDF: 81.7/63
- sign -0.013+/-0.038 χ²/NDF: 49.9/32



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 274.716+/-0.058 χ^2/NDF:1004040.2/14

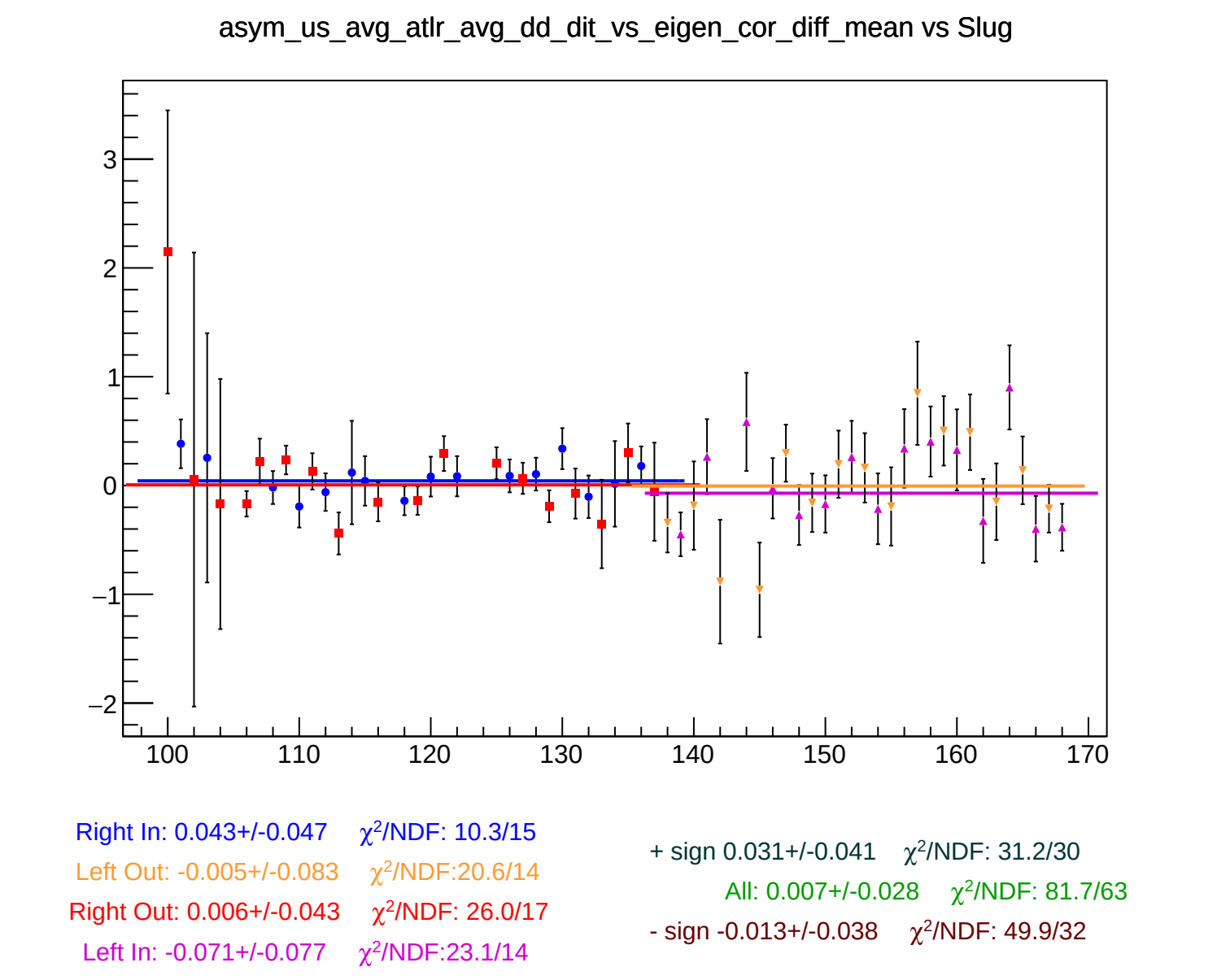
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 260.142+/-0.055 χ^2/NDF:1291325.4/14

+ sign 155.942+/-0.029 χ^2/NDF: 8104660.6/30

All: 146.642+/-0.020 χ^2/NDF: 18735519.5/63

- sign 138.791+/-0.027 χ^2/NDF: 10442655.0/32


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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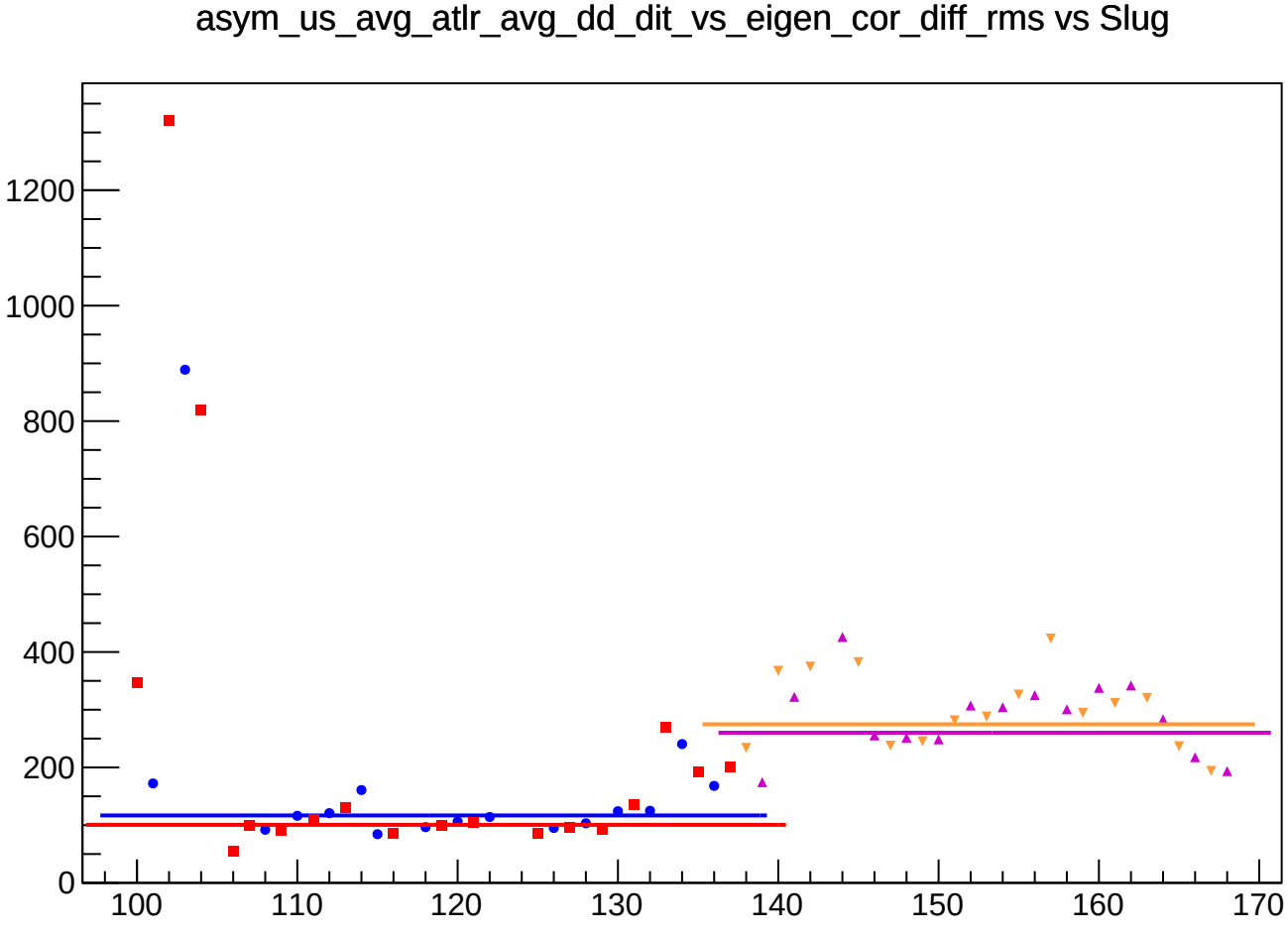
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.005+/-0.083 χ²/NDF:20.6/14
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.071+/-0.077 χ²/NDF:23.1/14
+ sign 0.031+/-0.041 χ²/NDF: 31.2/30
All: 0.007+/-0.028 χ²/NDF: 81.7/63
- sign -0.013+/-0.038 χ²/NDF: 49.9/32



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 274.716+/-0.058 χ^2/NDF:1004040.2/14

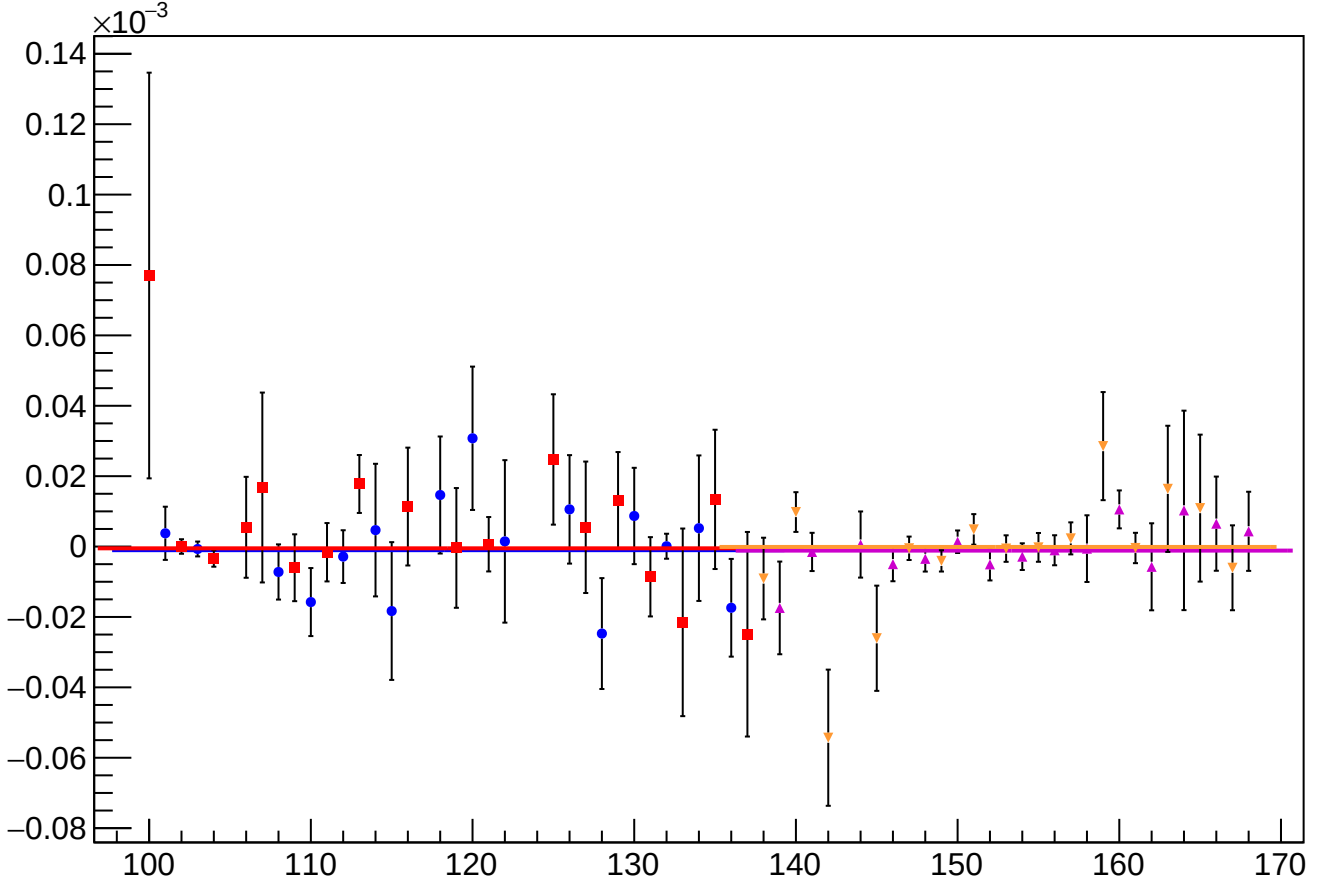
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 260.142+/-0.055 χ^2/NDF:1291325.4/14

+ sign 155.942+/-0.029 χ^2/NDF: 8104660.6/30

All: 146.642+/-0.020 χ^2/NDF: 18735519.5/63

- sign 138.791+/-0.027 χ^2/NDF: 10442655.0/32



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/14

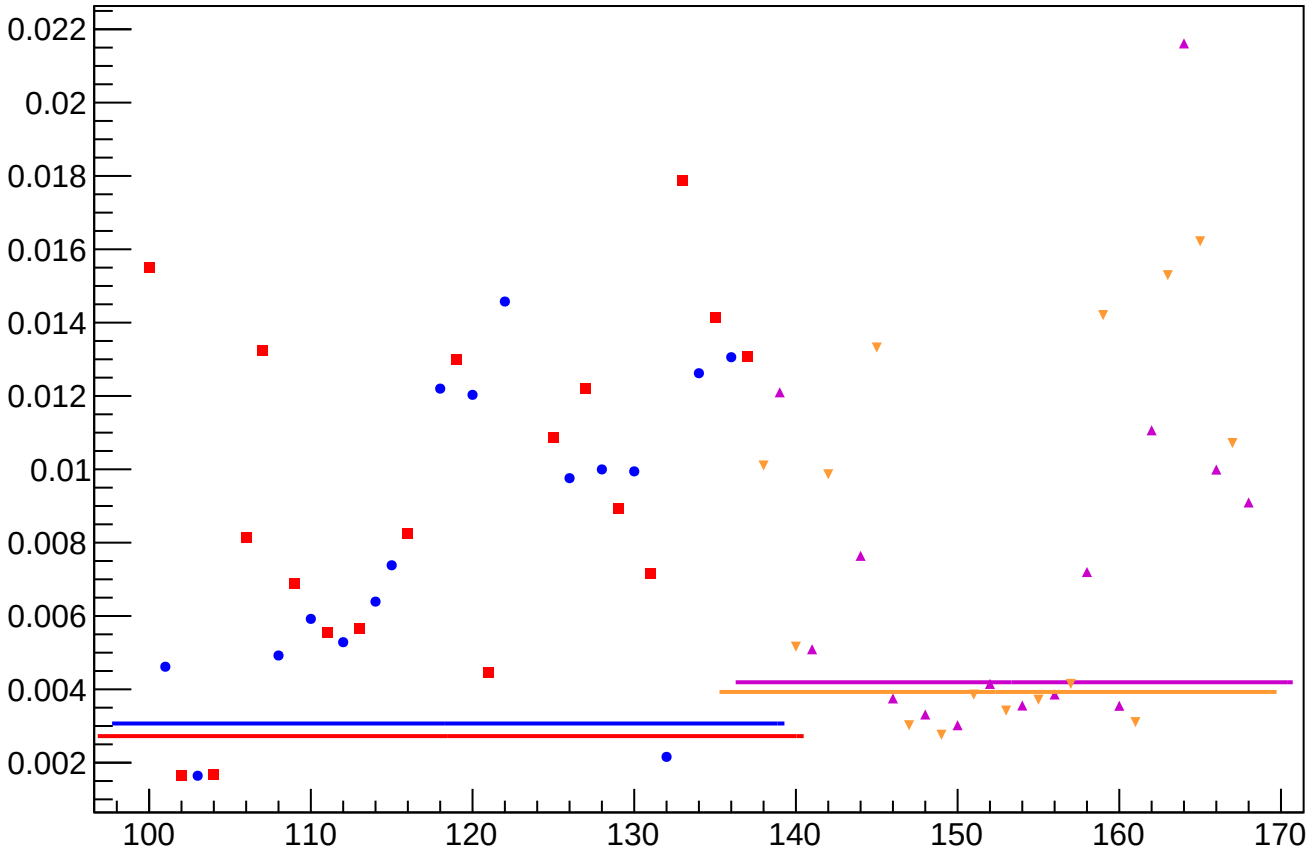
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:9.7/14

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/30

All: -0.000+/-0.000 χ^2/NDF: 60.5/63

- sign -0.000+/-0.000 χ^2/NDF: 24.9/32



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:5234197.3/14

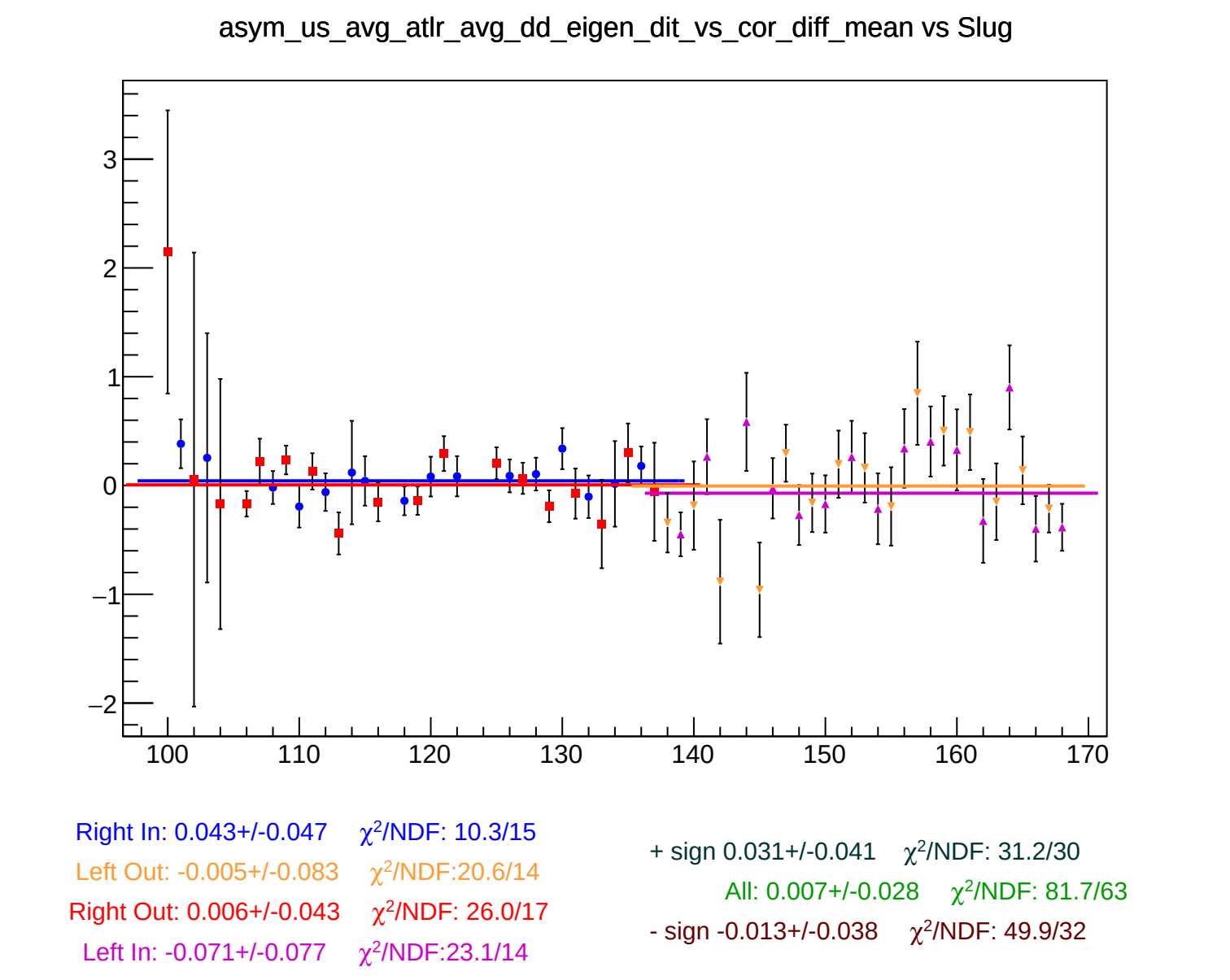
Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:3876606.0/14

+ sign 0.004+/-0.000 χ^2/NDF: 11540951.1/30

All: 0.004+/-0.000 χ^2/NDF: 23242278.5/63

- sign 0.003+/-0.000 χ^2/NDF: 11688977.9/32


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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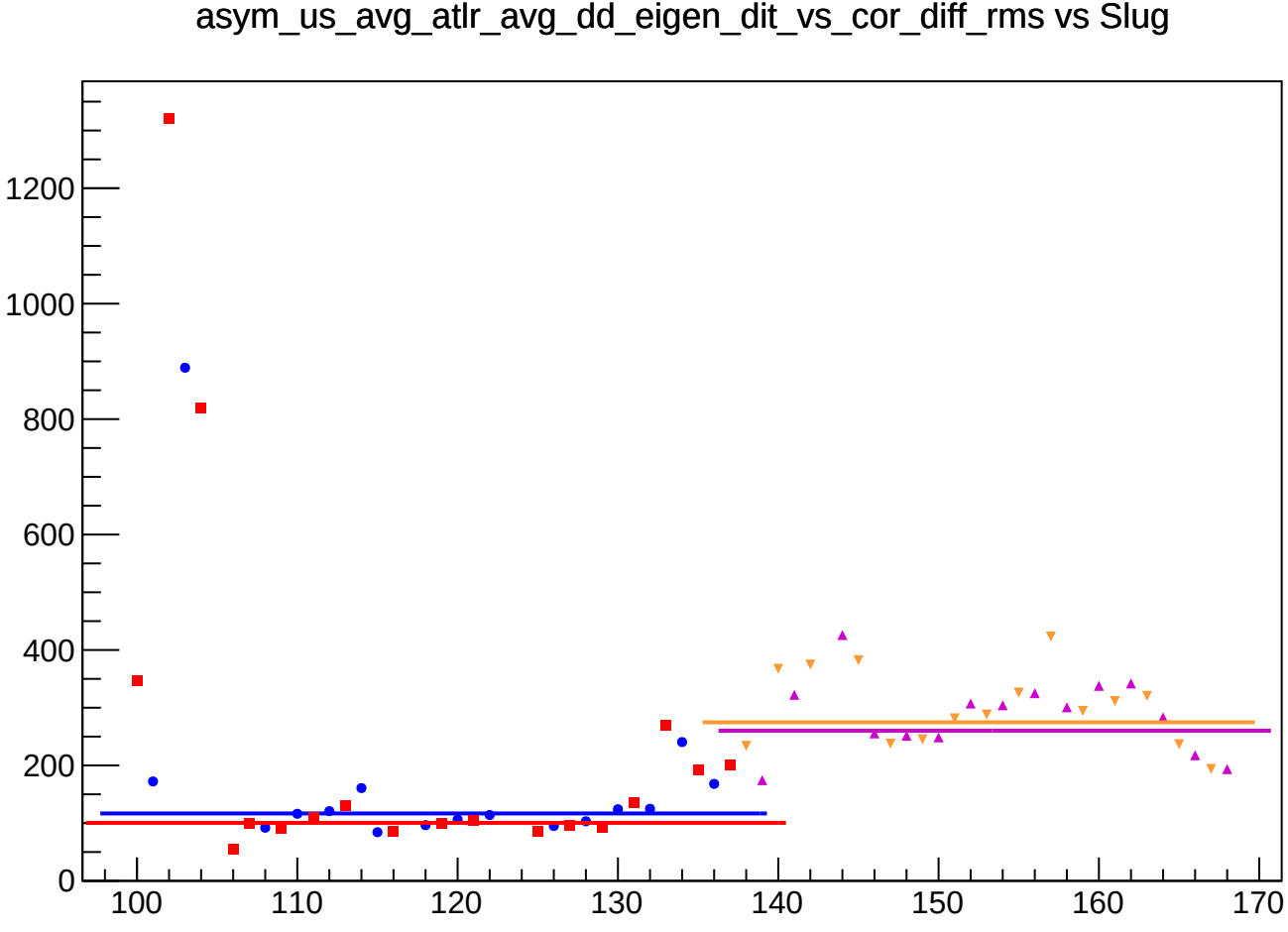
160
170
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.005+/-0.083 χ²/NDF:20.6/14
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.071+/-0.077 χ²/NDF:23.1/14
+ sign 0.031+/-0.041 χ²/NDF: 31.2/30
All: 0.007+/-0.028 χ²/NDF: 81.7/63
- sign -0.013+/-0.038 χ²/NDF: 49.9/32



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 274.719+/-0.058 χ^2/NDF:1004045.3/14

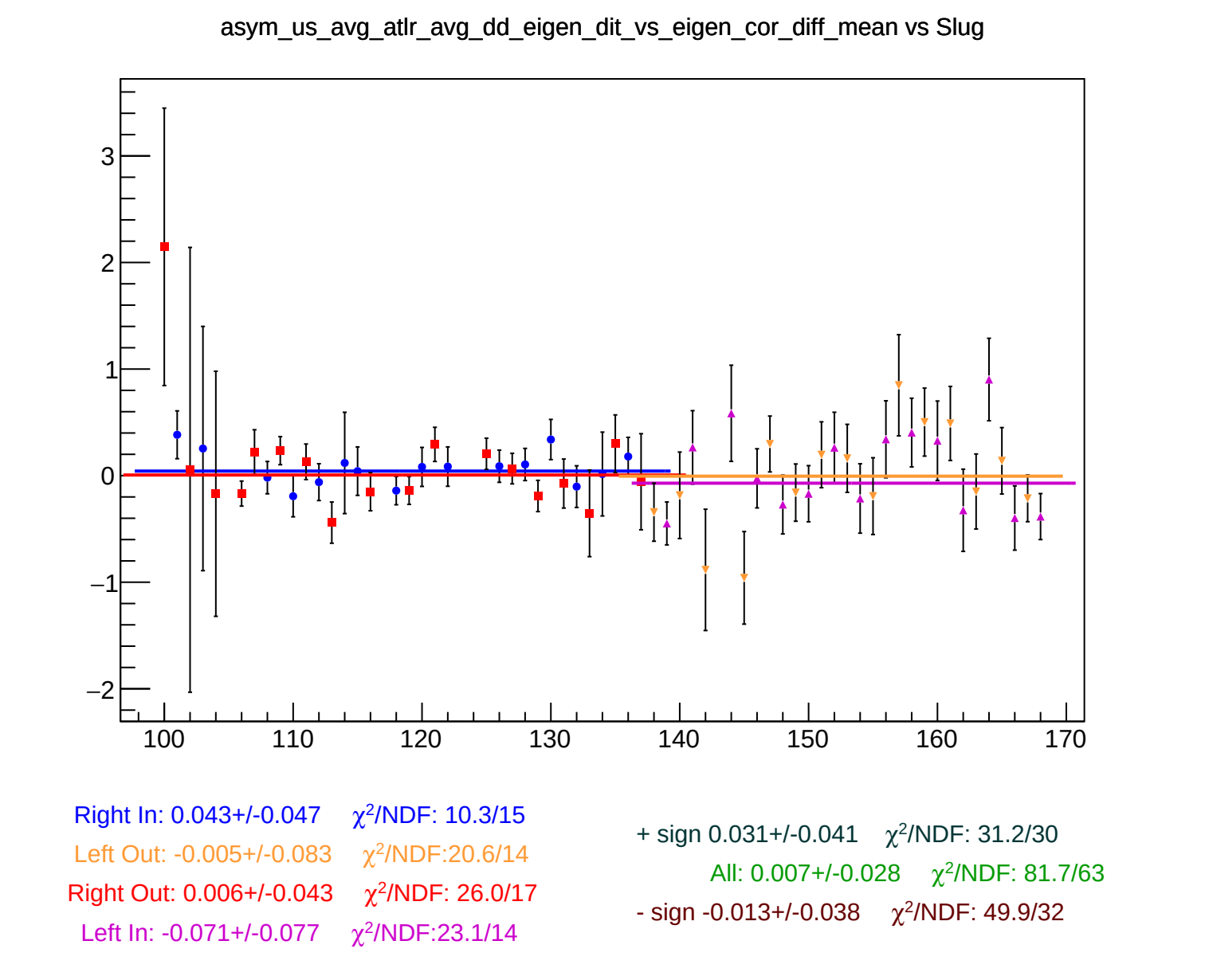
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 260.146+/-0.055 χ^2/NDF:1291277.5/14

+ sign 155.942+/-0.029 χ^2/NDF: 8104815.1/30

All: 146.641+/-0.020 χ^2/NDF: 18736010.7/63

- sign 138.790+/-0.027 χ^2/NDF: 10442970.8/32


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
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120
130
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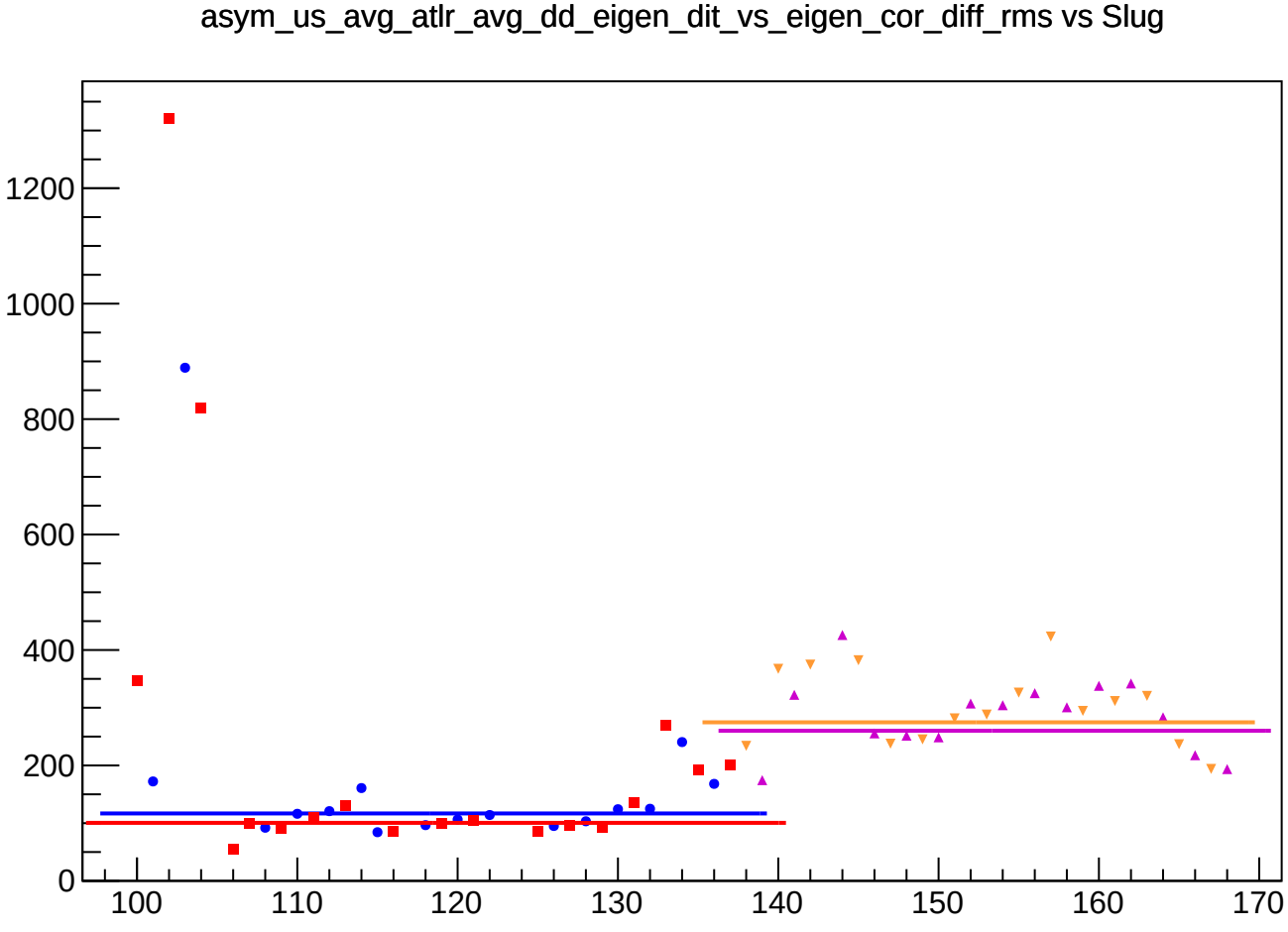
150
160
170
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.005+/-0.083 χ²/NDF:20.6/14
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.071+/-0.077 χ²/NDF:23.1/14
+ sign 0.031+/-0.041 χ²/NDF: 31.2/30
All: 0.007+/-0.028 χ²/NDF: 81.7/63
- sign -0.013+/-0.038 χ²/NDF: 49.9/32



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 274.719+/-0.058 χ^2/NDF:1004045.3/14

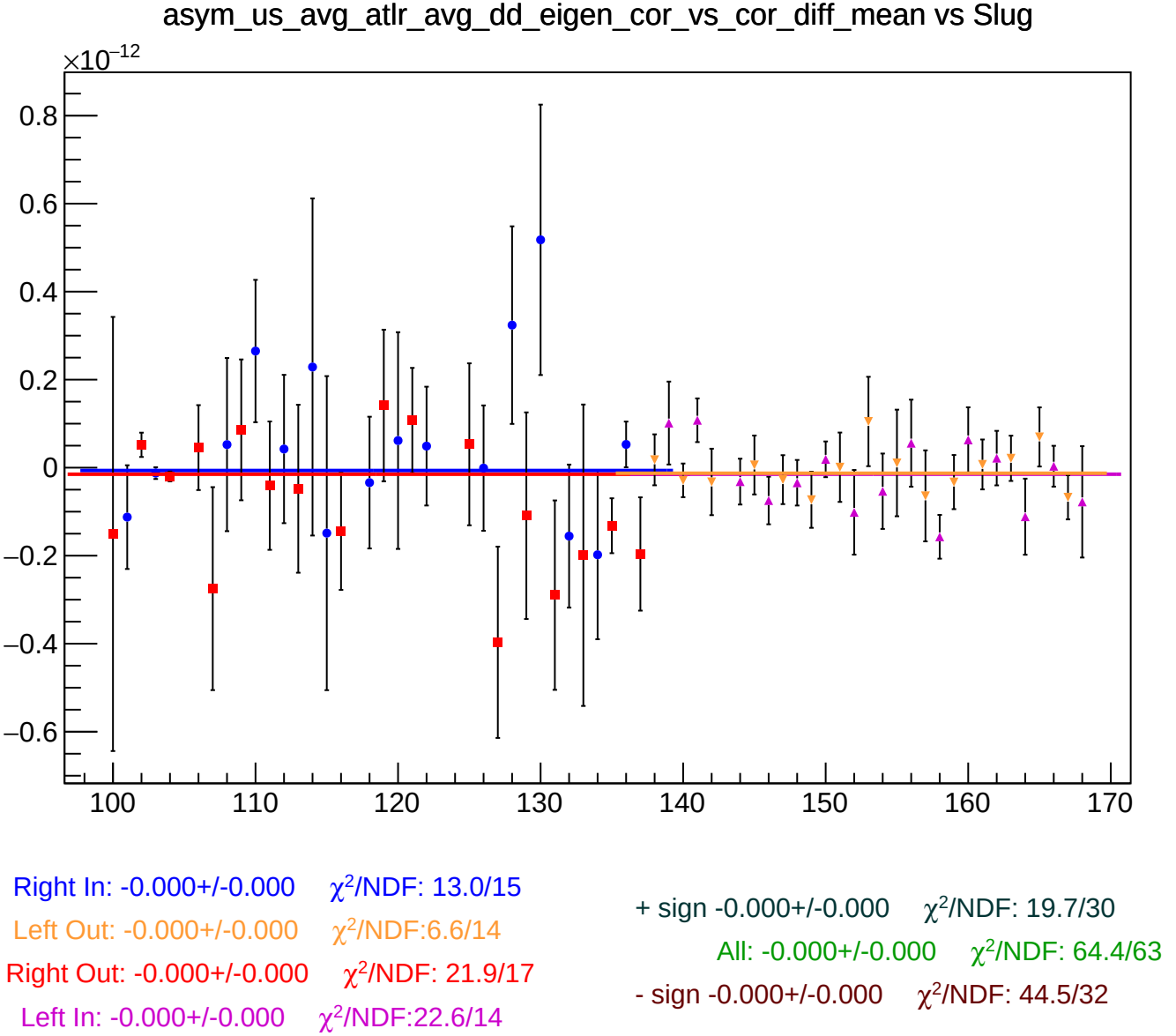
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 260.146+/-0.055 χ^2/NDF:1291277.5/14

+ sign 155.942+/-0.029 χ^2/NDF: 8104815.1/30

All: 146.641+/-0.020 χ^2/NDF: 18736010.7/63

- sign 138.790+/-0.027 χ^2/NDF: 10442970.8/32


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
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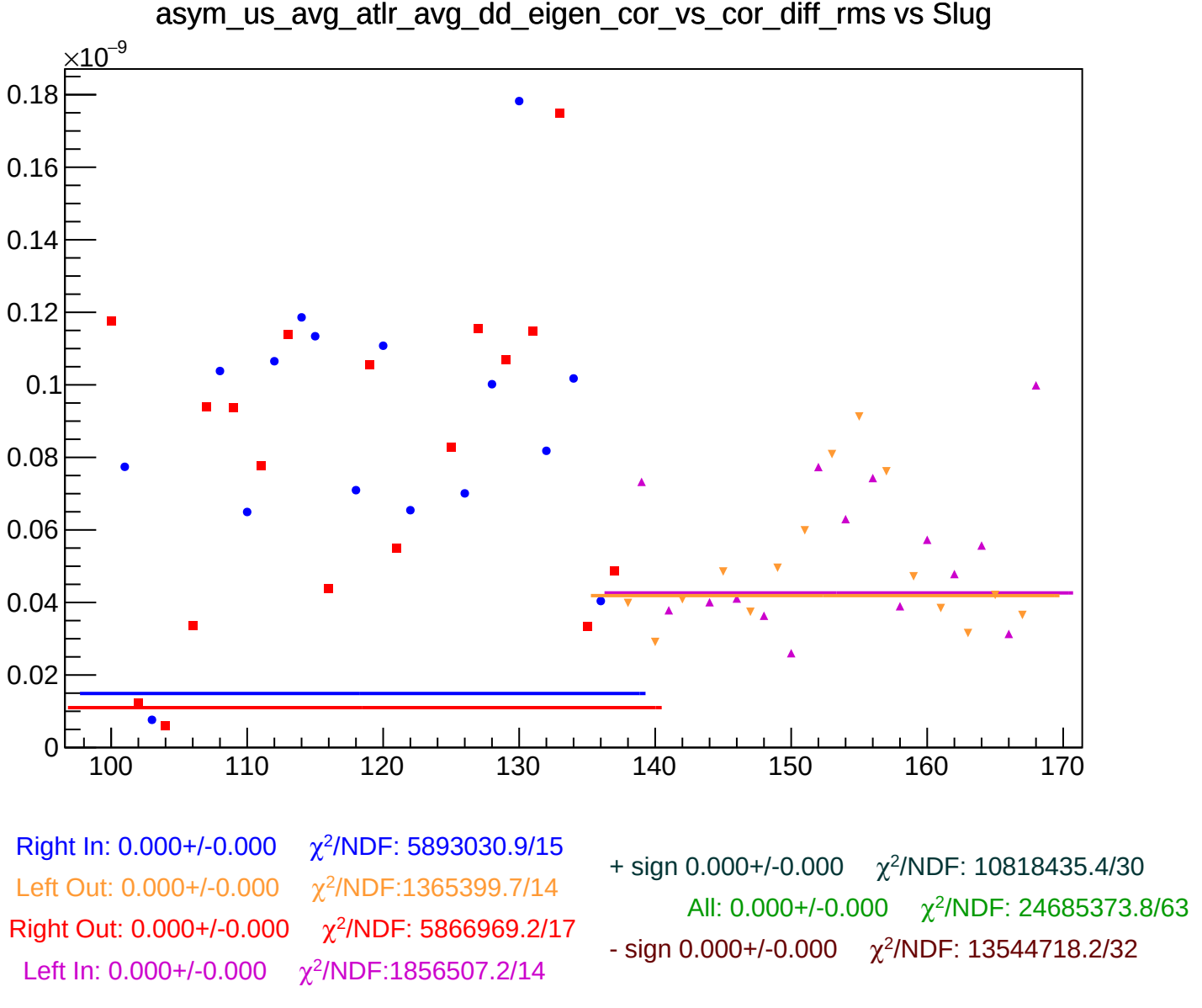
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:6.6/14
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: -0.000+/-0.000 χ²/NDF:22.6/14
+ sign -0.000+/-0.000 χ²/NDF: 19.7/30
All: -0.000+/-0.000 χ²/NDF: 64.4/63
- sign -0.000+/-0.000 χ²/NDF: 44.5/32


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
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0.02
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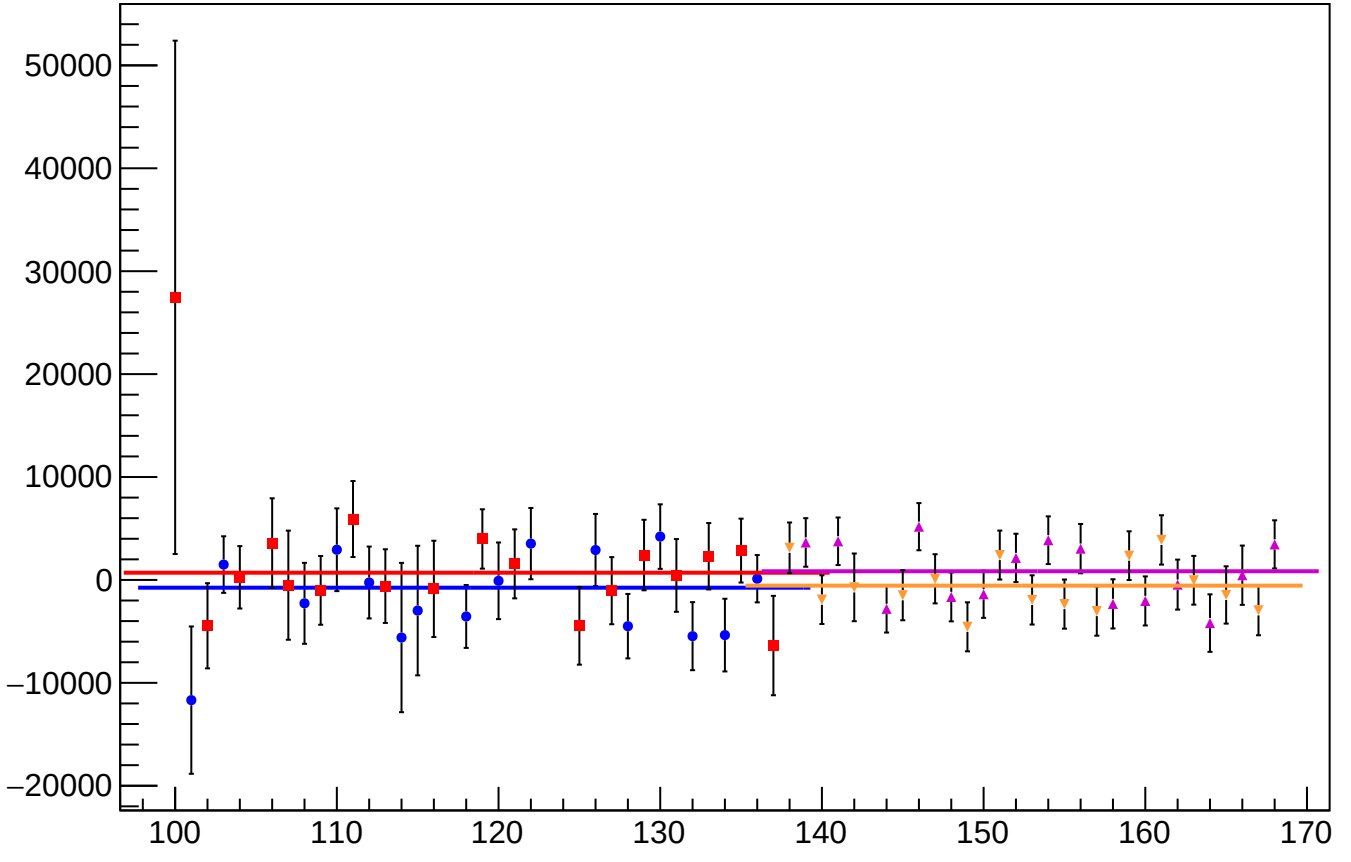
170
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1365399.7/14
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:1856507.2/14
+ sign 0.000+/-0.000 χ²/NDF: 10818435.4/30
All: 0.000+/-0.000 χ²/NDF: 24685373.8/63
- sign 0.000+/-0.000 χ²/NDF: 13544718.2/32

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -555.931+/-633.928 χ^2/NDF:15.2/14

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

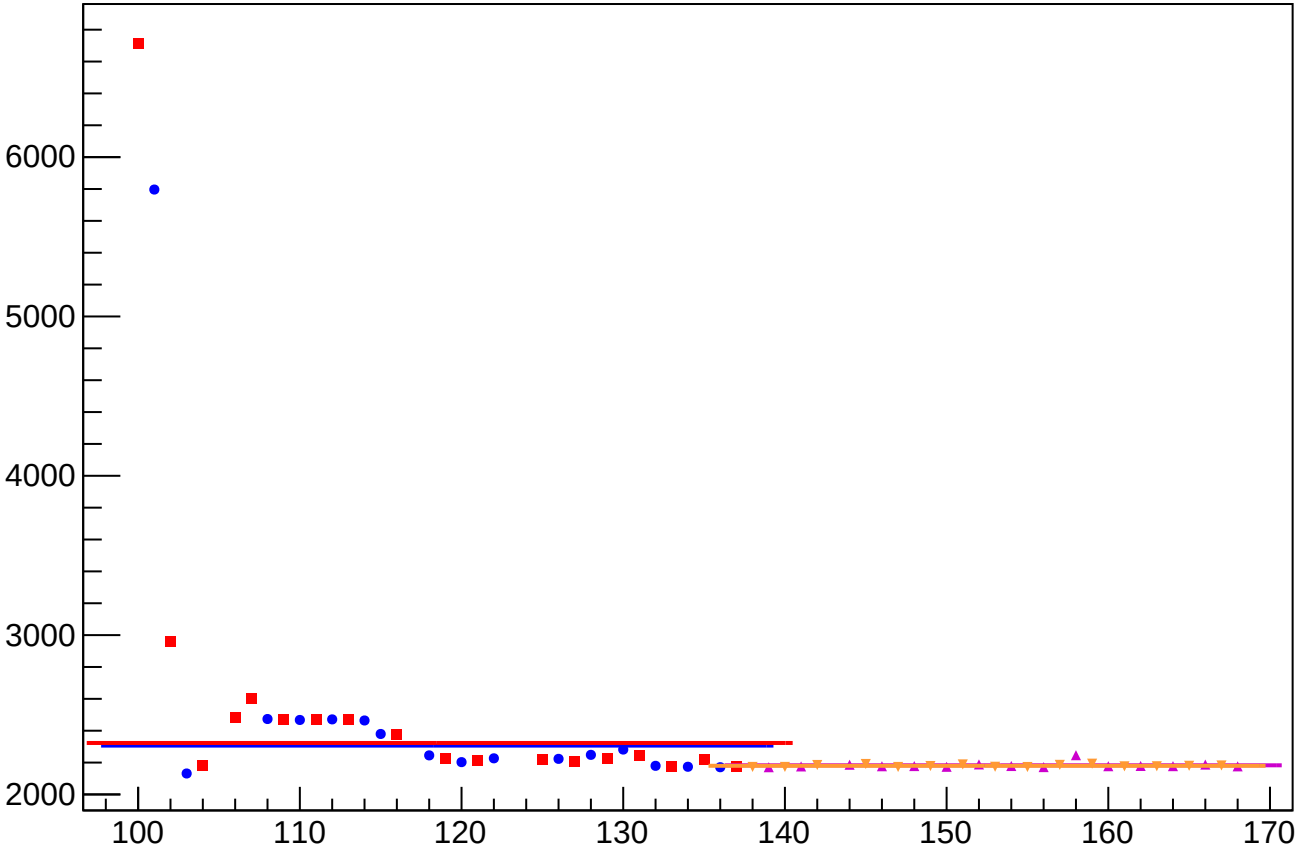
Left In: 842.954+/-619.584 χ^2/NDF:22.0/14

+ sign -624.450+/-512.884 χ^2/NDF: 31.1/30

All: 97.337+/-359.633 χ^2/NDF: 69.4/63

- sign 795.490+/-504.417 χ^2/NDF: 34.4/32

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.803+/-0.448 χ^2/NDF:246.2/14

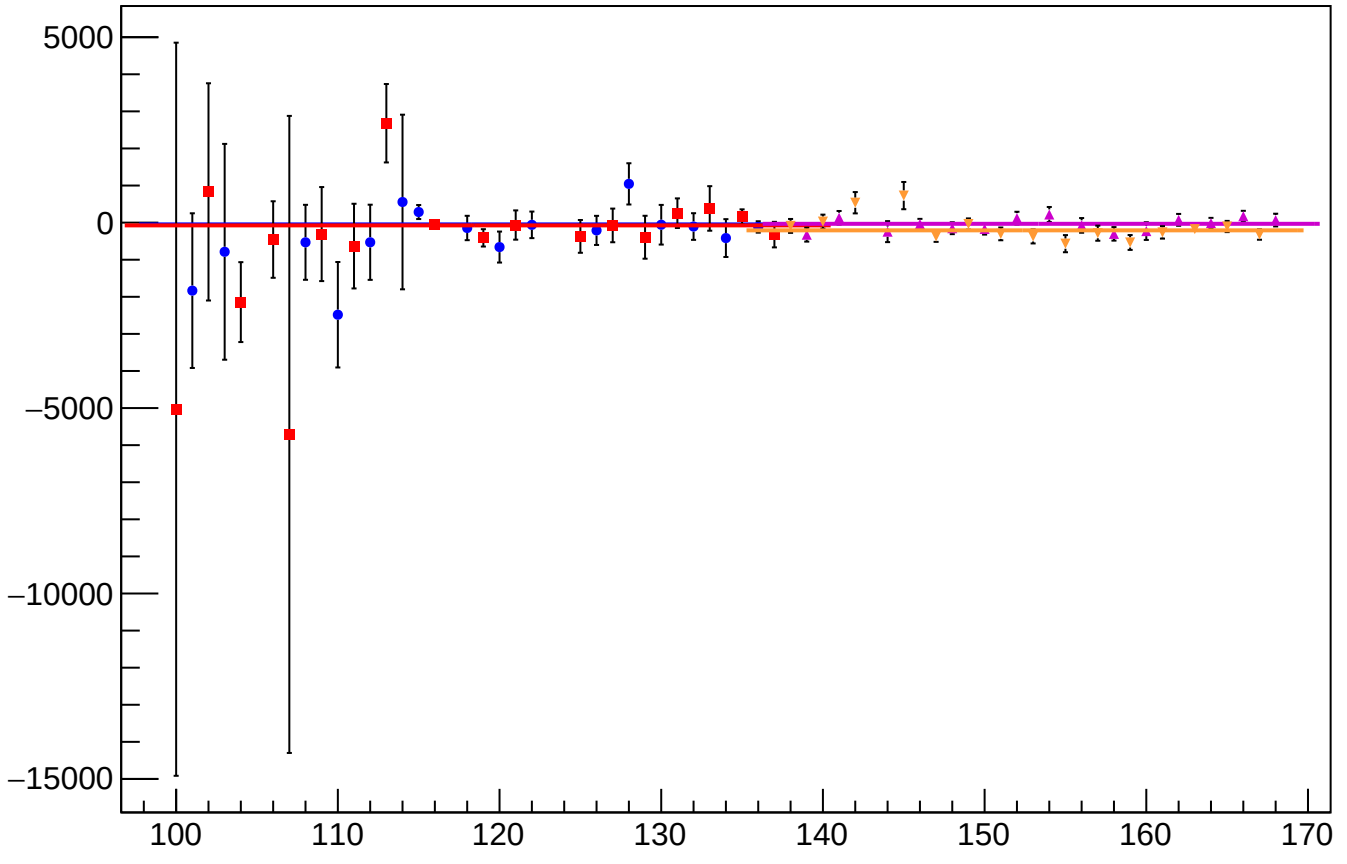
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2182.877+/-0.438 χ^2/NDF:1641.7/14

+ sign 2223.617+/-0.363 χ^2/NDF: 542054.4/30

All: 2226.928+/-0.254 χ^2/NDF: 730146.3/63

- sign 2230.131+/-0.357 χ^2/NDF: 187927.9/32



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -208.012+/-45.272 χ^2/NDF:25.3/14

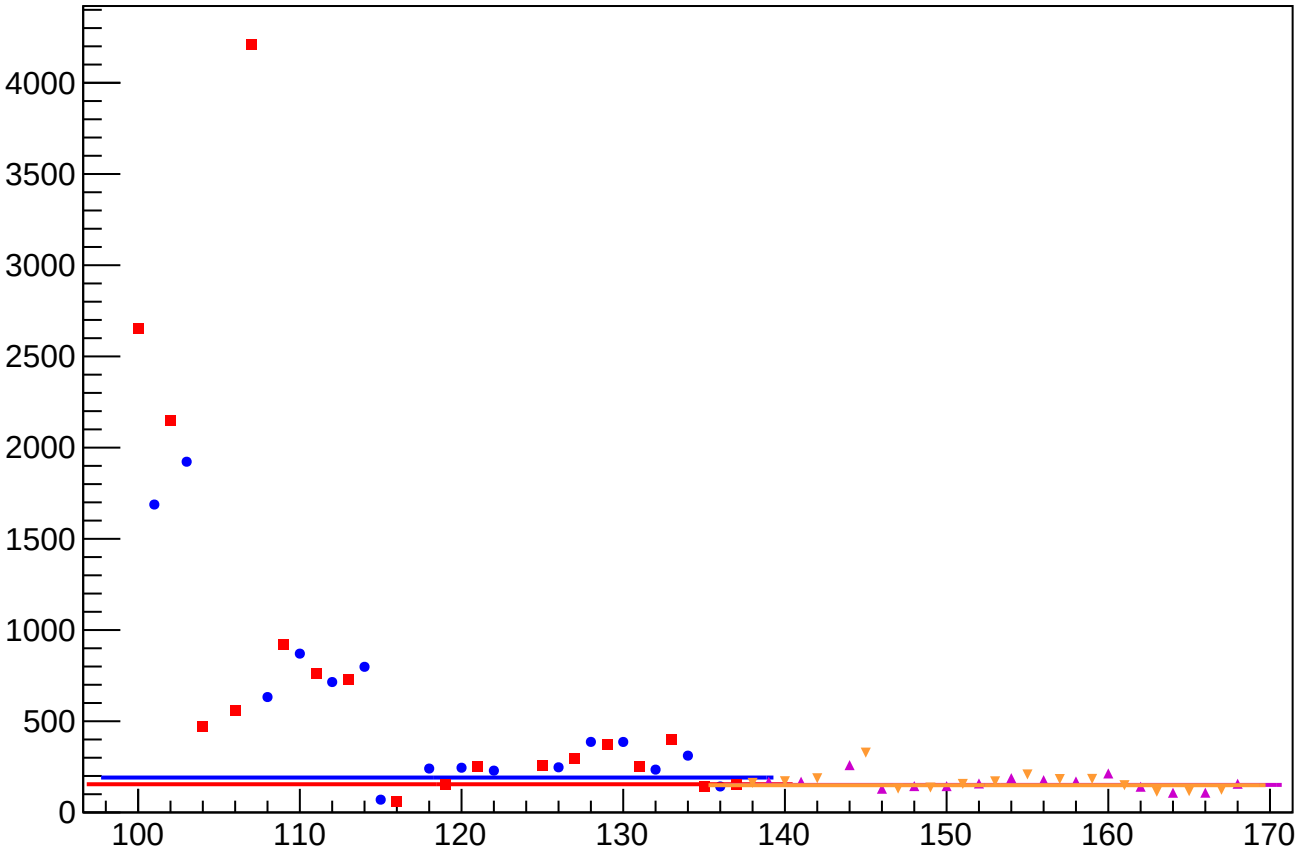
Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: -31.957+/-44.489 χ^2/NDF:13.2/14

+ sign -176.204+/-40.525 χ^2/NDF: 42.1/30

All: -106.517+/-28.155 χ^2/NDF: 78.9/63

- sign -41.494+/-39.146 χ^2/NDF: 31.0/32



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 149.356+/-0.032 χ^2/NDF:1177577.7/14

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

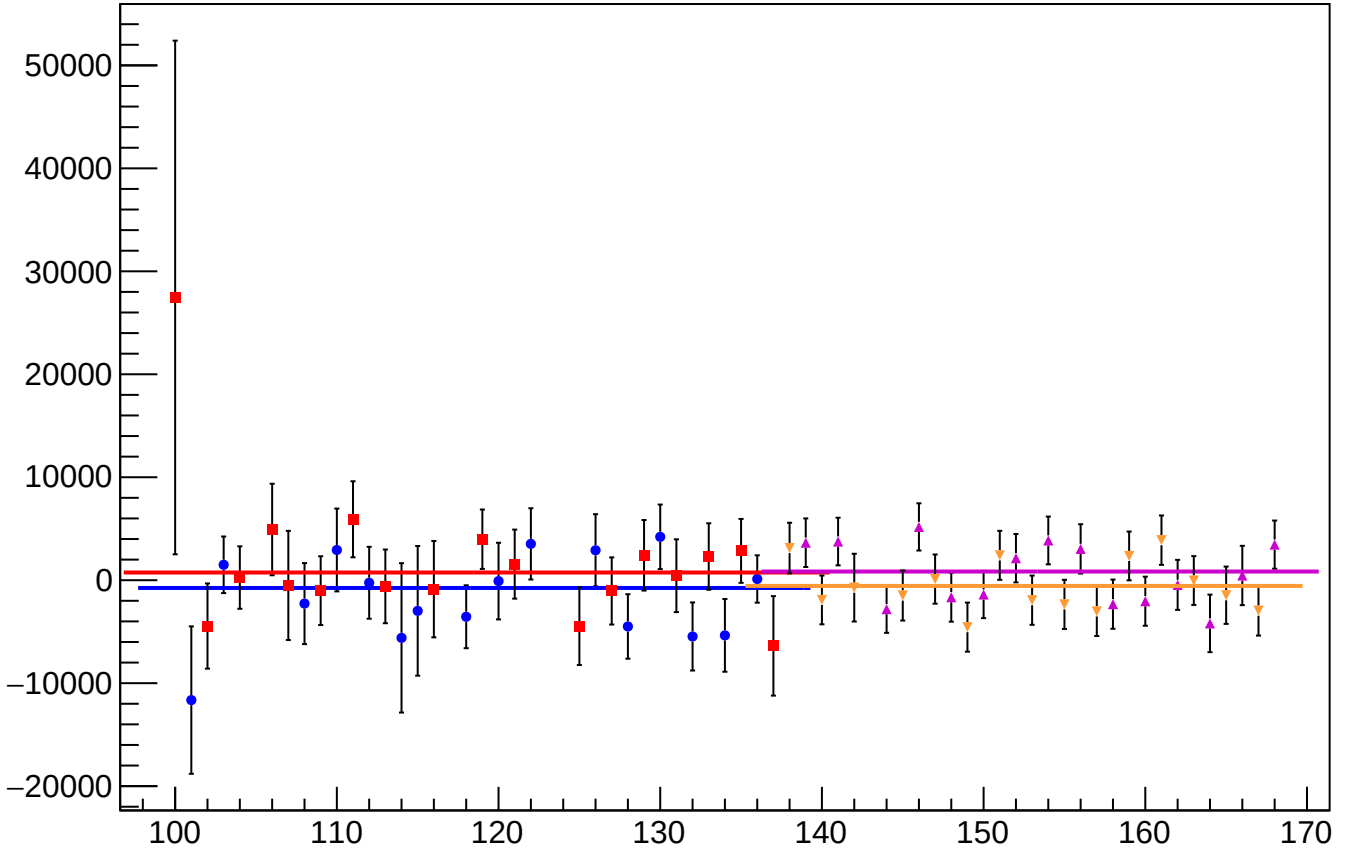
Left In: 151.036+/-0.031 χ^2/NDF:1013116.9/14

+ sign 157.706+/-0.029 χ^2/NDF: 6584759.6/30

All: 154.681+/-0.020 χ^2/NDF: 13776729.8/63

- sign 151.858+/-0.028 χ^2/NDF: 7170426.6/32

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -555.910+/-633.928 χ^2/NDF:15.2/14

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

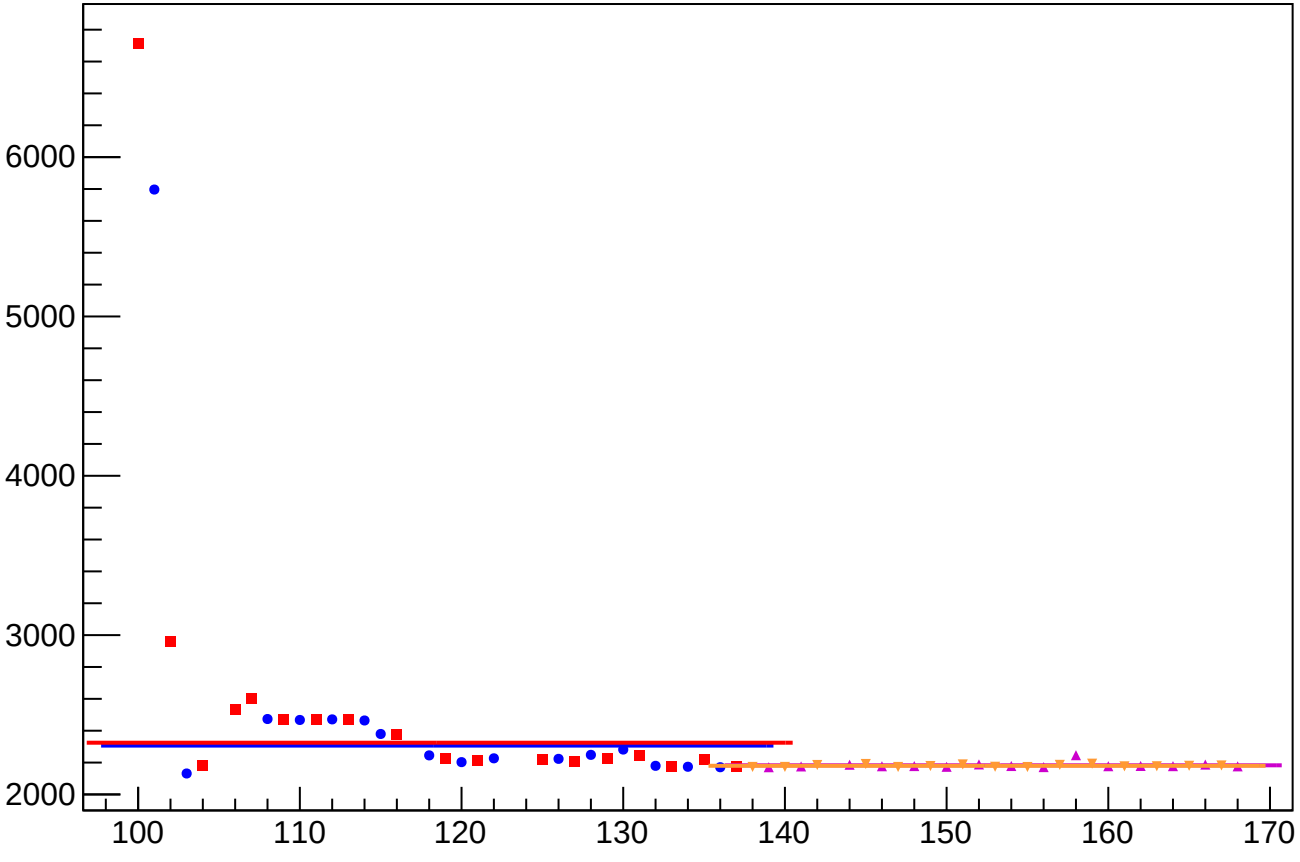
Left In: 842.899+/-619.584 χ^2/NDF:22.0/14

+ sign -624.102+/-512.884 χ^2/NDF: 31.1/30

All: 105.384+/-359.684 χ^2/NDF: 69.9/63

- sign 811.377+/-504.558 χ^2/NDF: 34.8/32

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.803+/-0.448 χ^2/NDF:246.2/14

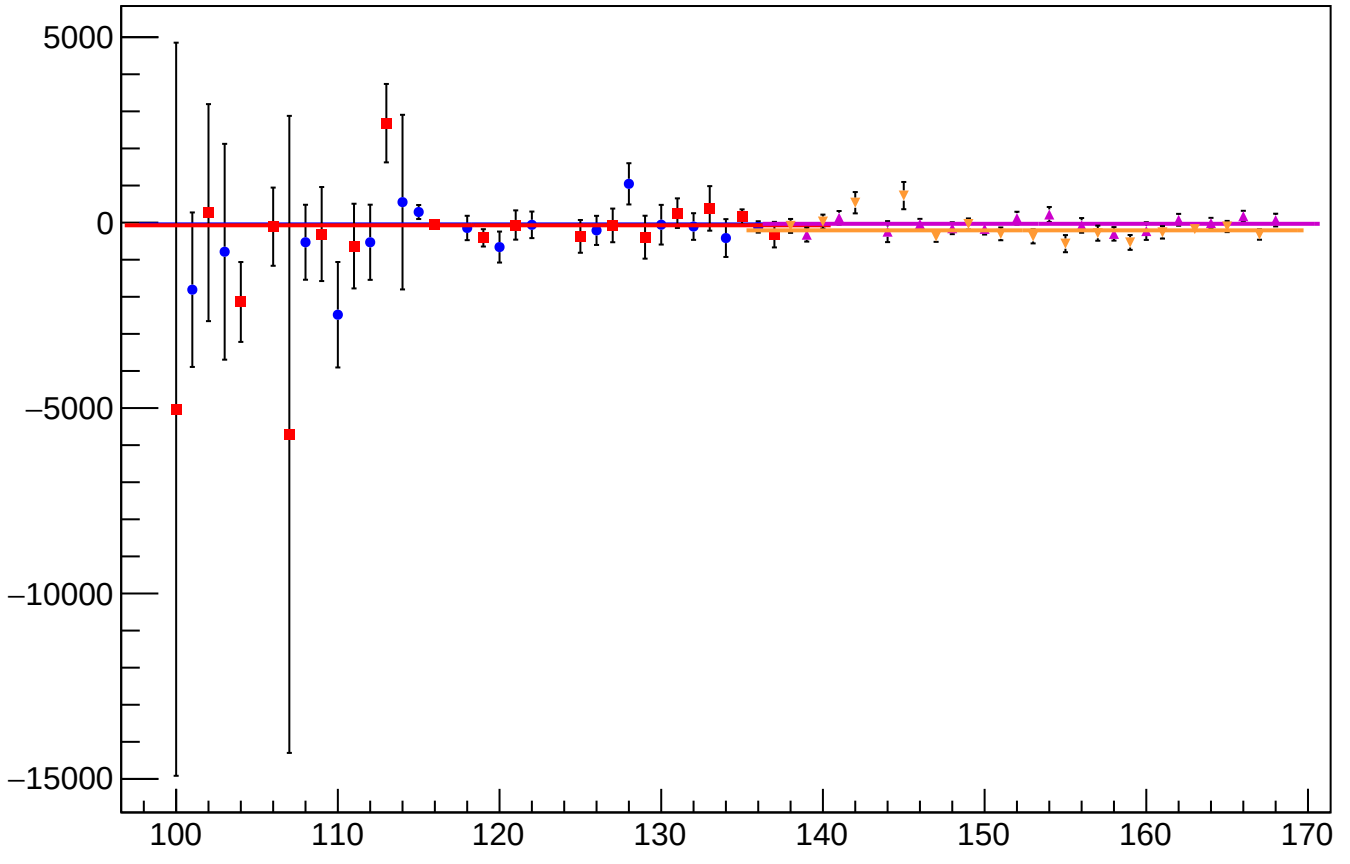
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2182.877+/-0.438 χ^2/NDF:1641.7/14

+ sign 2223.617+/-0.363 χ^2/NDF: 542054.7/30

All: 2227.188+/-0.254 χ^2/NDF: 732755.3/63

- sign 2230.643+/-0.357 χ^2/NDF: 190509.8/32



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -208.036+/-45.272 χ^2/NDF:25.2/14

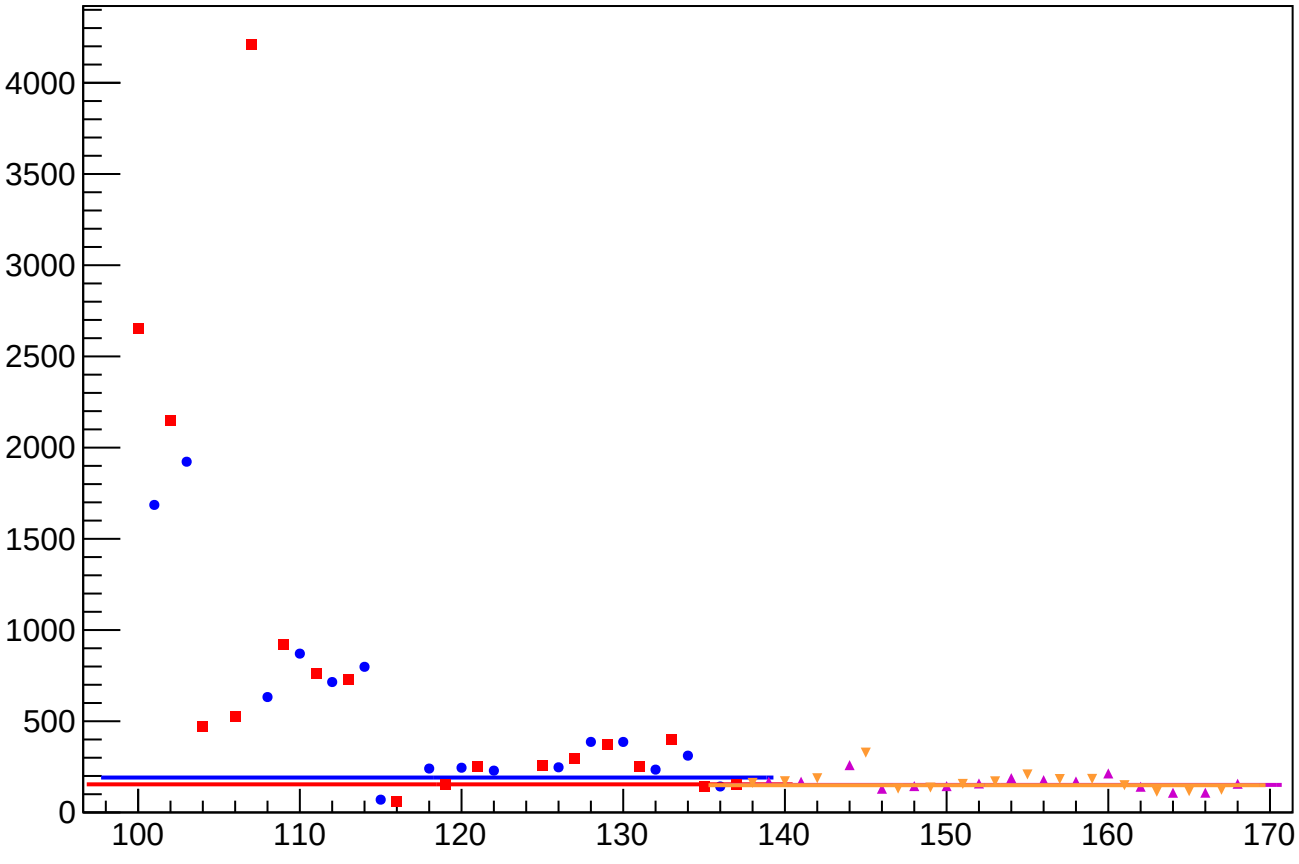
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -31.892+/-44.491 χ^2/NDF:13.2/14

+ sign -176.232+/-40.526 χ^2/NDF: 42.1/30

All: -106.267+/-28.154 χ^2/NDF: 78.6/63

- sign -41.004+/-39.141 χ^2/NDF: 30.8/32



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 149.356+/-0.032 χ^2/NDF:1177842.9/14

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

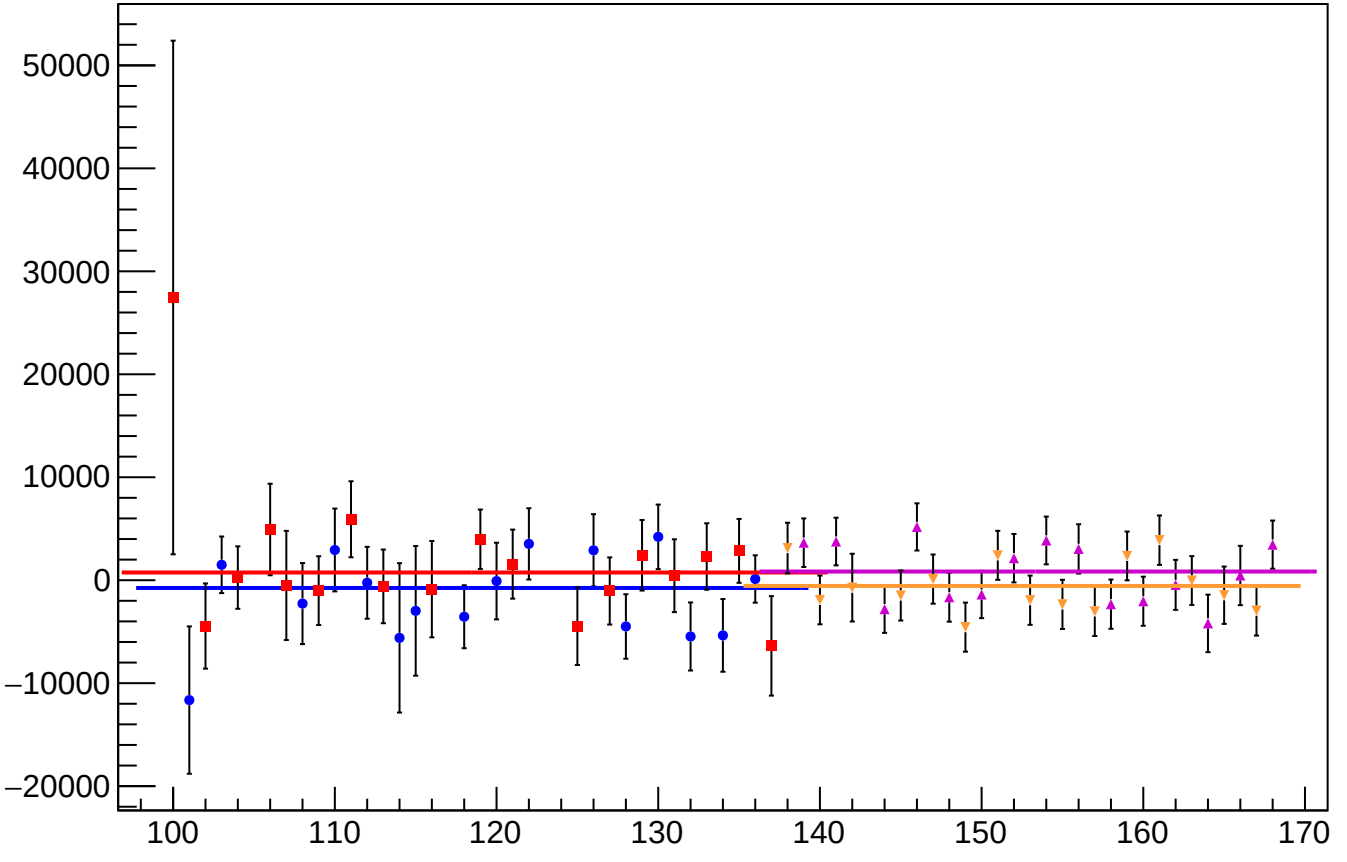
Left In: 151.045+/-0.031 χ^2/NDF:1013464.9/14

+ sign 157.710+/-0.029 χ^2/NDF: 6584243.0/30

All: 154.621+/-0.020 χ^2/NDF: 13730988.6/63

- sign 151.740+/-0.028 χ^2/NDF: 7124291.5/32

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: -555.910+/-633.928 χ^2/NDF:15.2/14

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

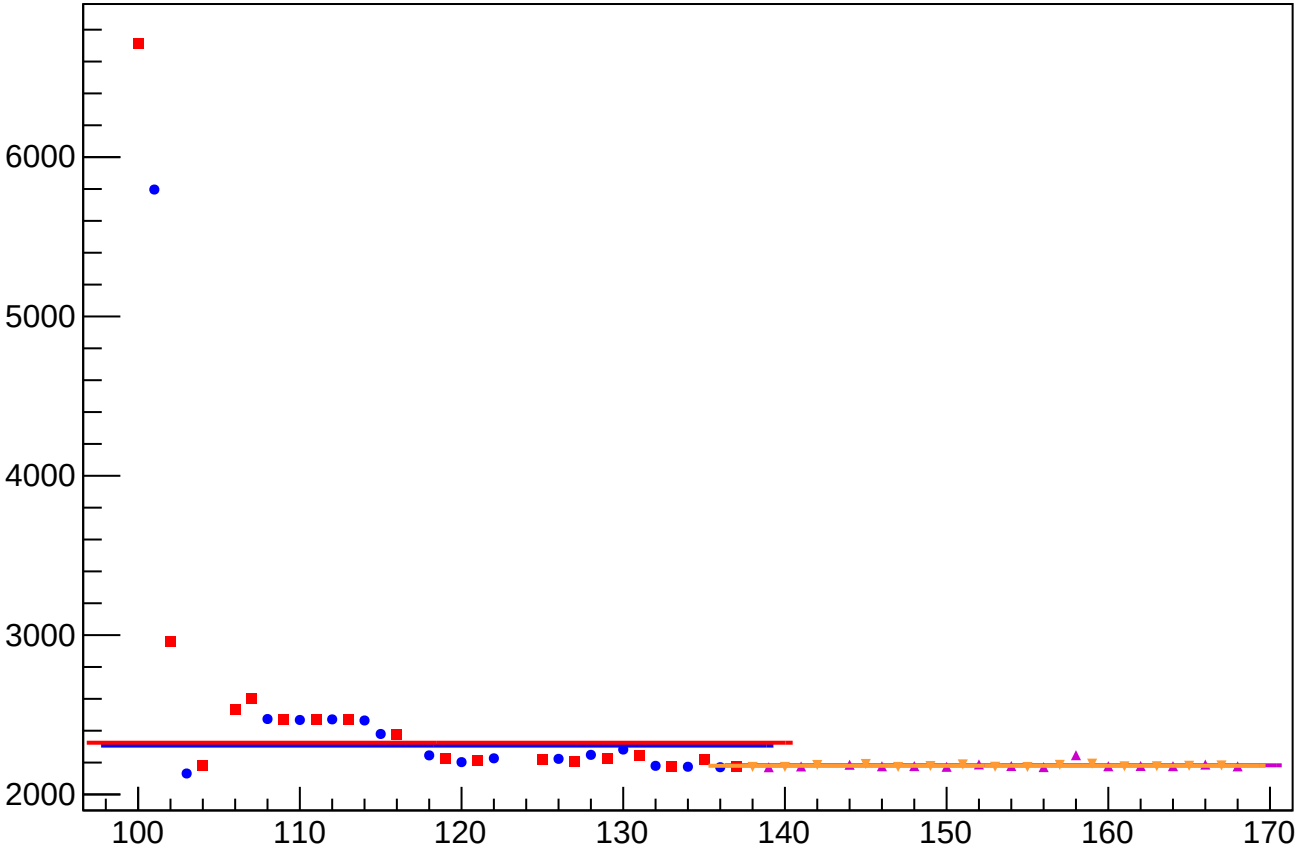
Left In: 842.899+/-619.584 χ^2/NDF:22.0/14

\+ sign -624.102+/-512.884 χ^2/NDF: 31.1/30

All: 105.384+/-359.684 χ^2/NDF: 69.9/63

\- sign 811.377+/-504.558 χ^2/NDF: 34.8/32

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.803+/-0.448 χ^2/NDF:246.2/14

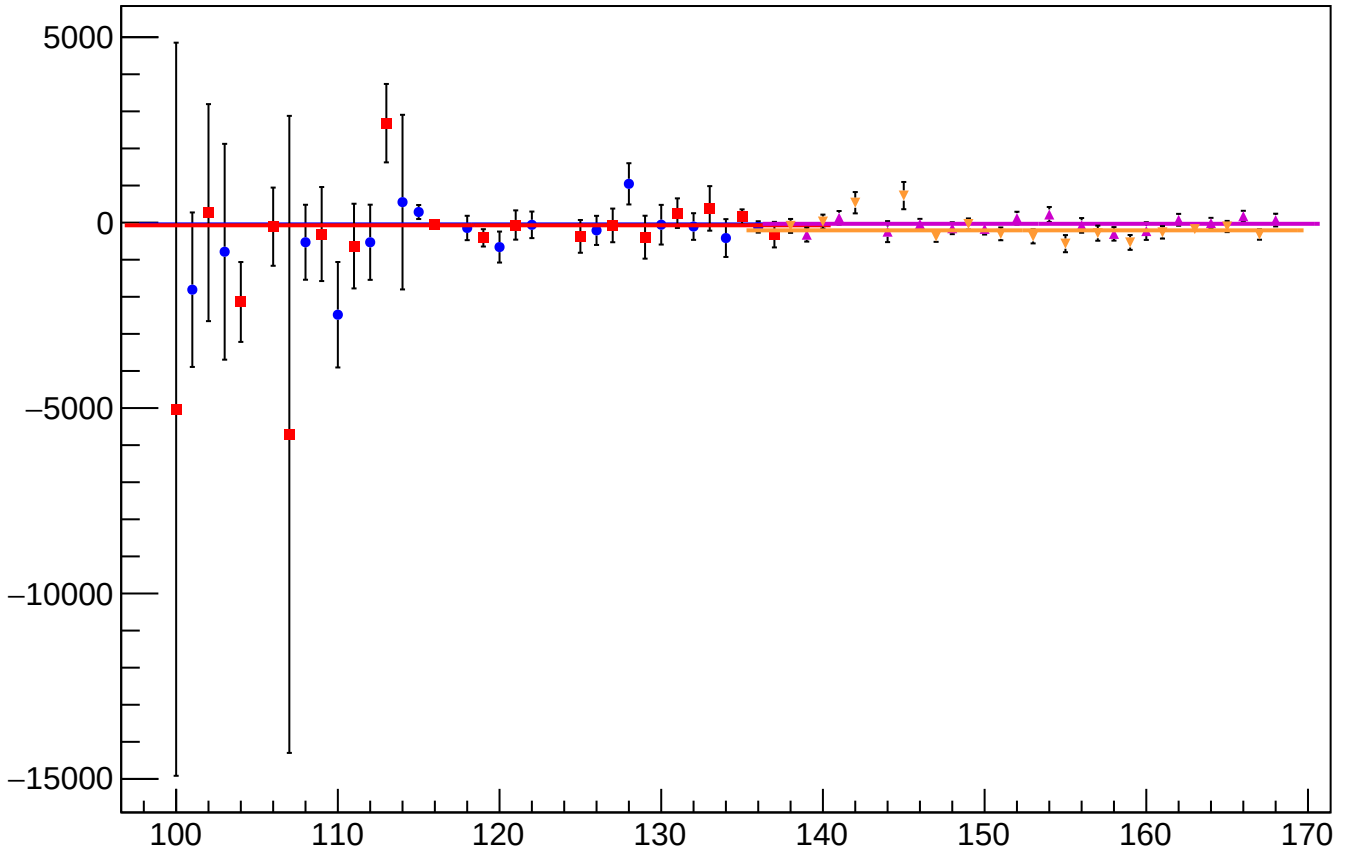
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2182.877+/-0.438 χ^2/NDF:1641.7/14

+ sign 2223.617+/-0.363 χ^2/NDF: 542054.7/30

All: 2227.188+/-0.254 χ^2/NDF: 732755.3/63

- sign 2230.643+/-0.357 χ^2/NDF: 190509.8/32



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -208.036+/-45.272 χ^2/NDF:25.2/14

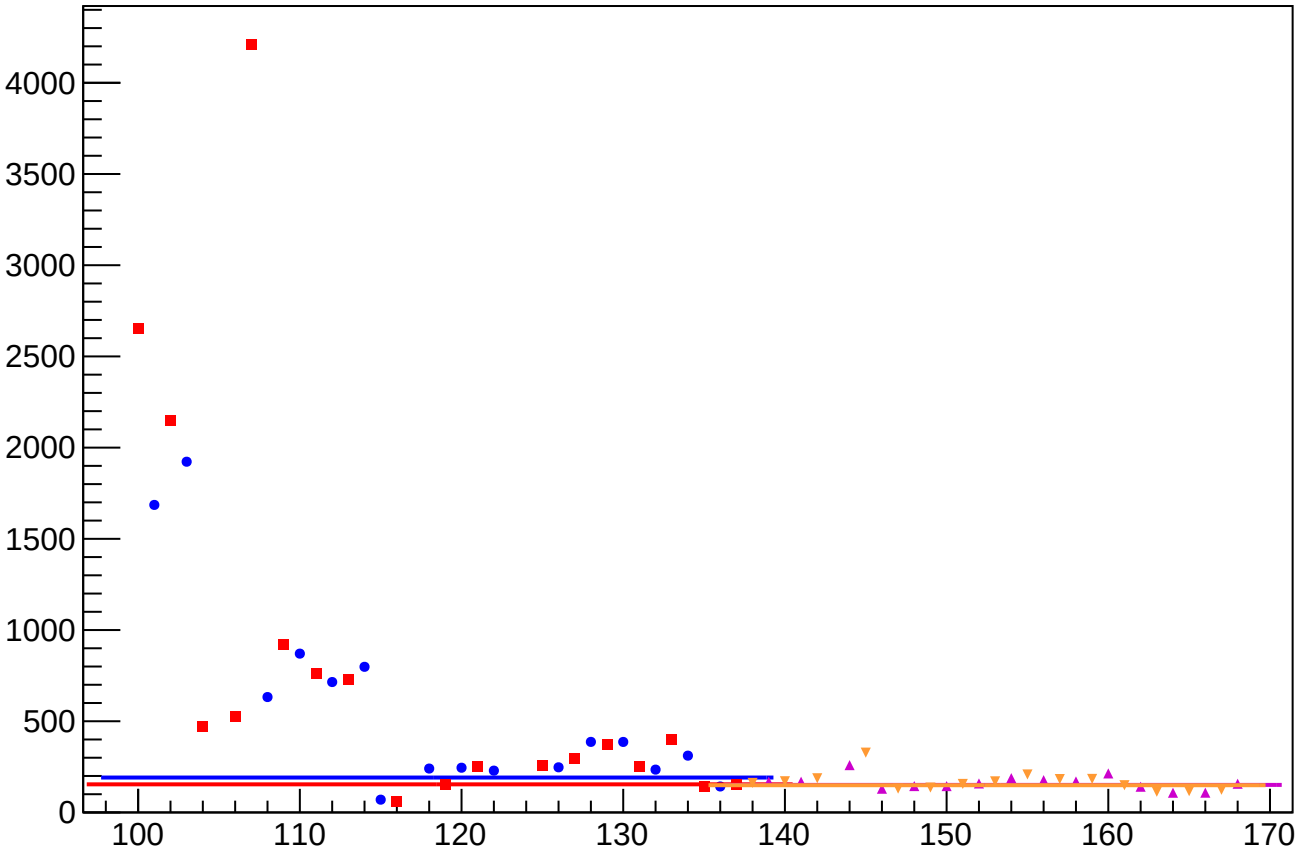
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -31.892+/-44.491 χ^2/NDF:13.2/14

+ sign -176.232+/-40.526 χ^2/NDF: 42.1/30

All: -106.267+/-28.154 χ^2/NDF: 78.6/63

- sign -41.004+/-39.141 χ^2/NDF: 30.8/32



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 149.356+/-0.032 χ^2/NDF:1177842.9/14

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

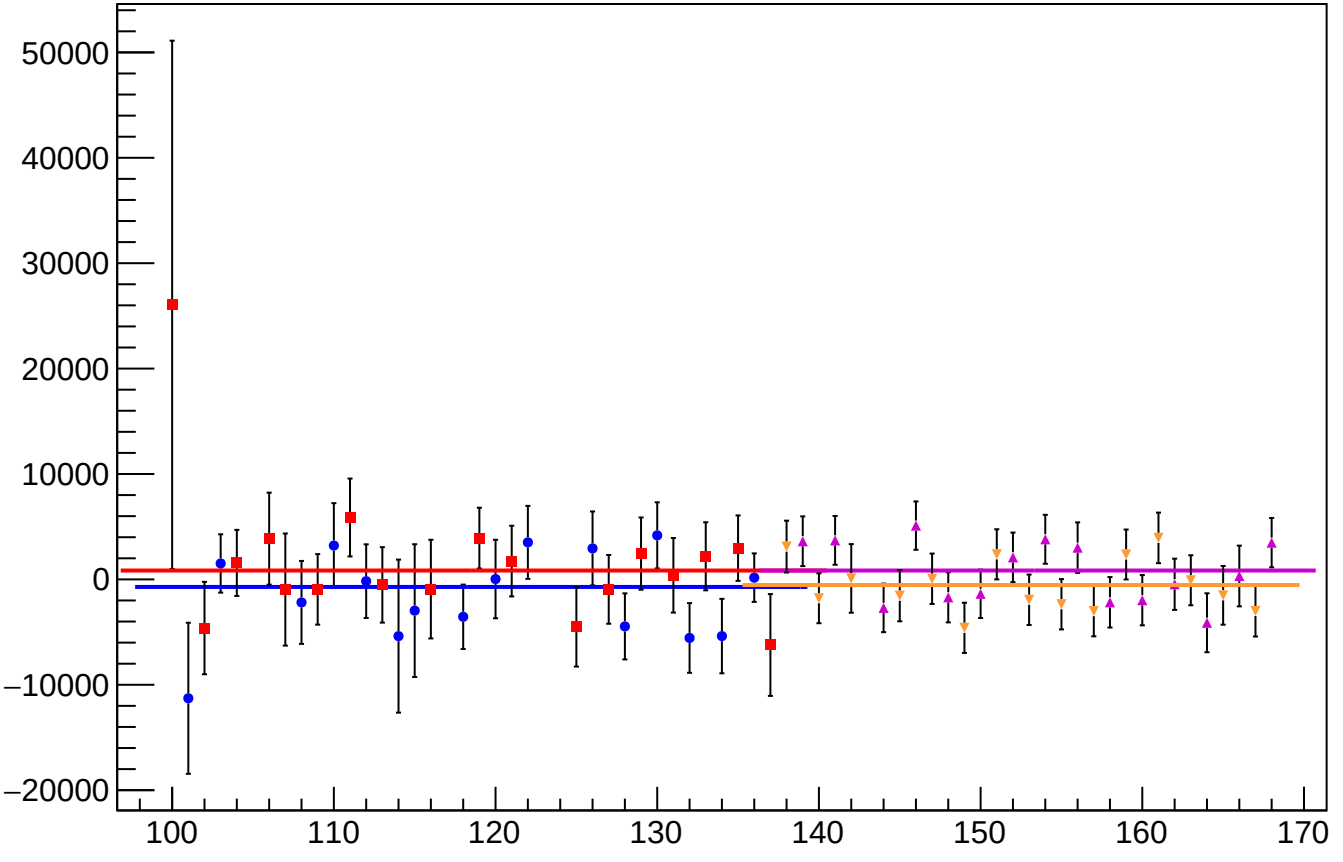
Left In: 151.045+/-0.031 χ^2/NDF:1013464.9/14

+ sign 157.710+/-0.029 χ^2/NDF: 6584243.0/30

All: 154.621+/-0.020 χ^2/NDF: 13730988.6/63

- sign 151.740+/-0.028 χ^2/NDF: 7124291.5/32

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -534.891+/-633.887 χ^2/NDF:15.3/14

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

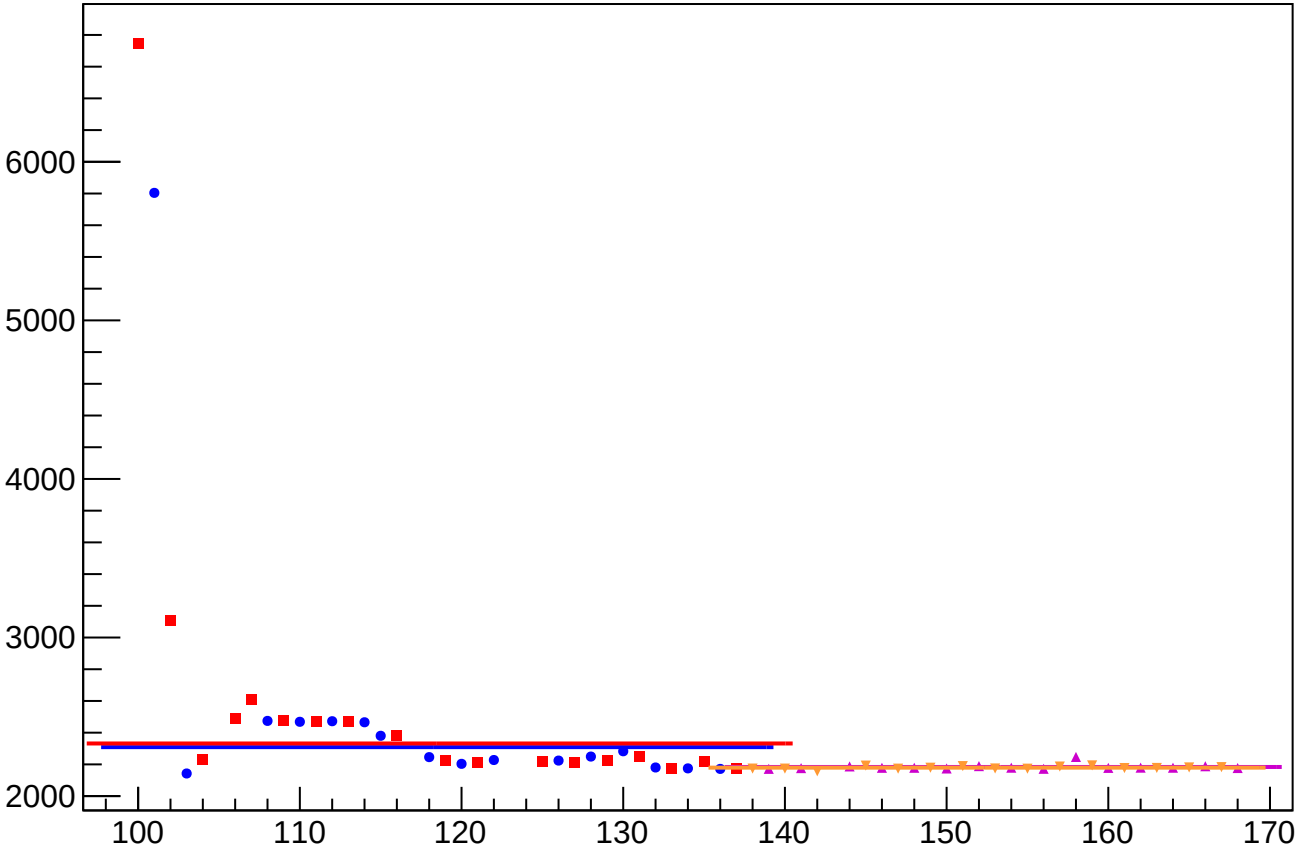
Left In: 842.026+/-619.808 χ^2/NDF:21.3/14

+ sign -597.754+/-513.042 χ^2/NDF: 31.2/30

All: 132.818+/-360.079 χ^2/NDF: 68.6/63

- sign 842.070+/-505.500 χ^2/NDF: 33.4/32

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.442+/-0.448 χ^2/NDF:349.0/14

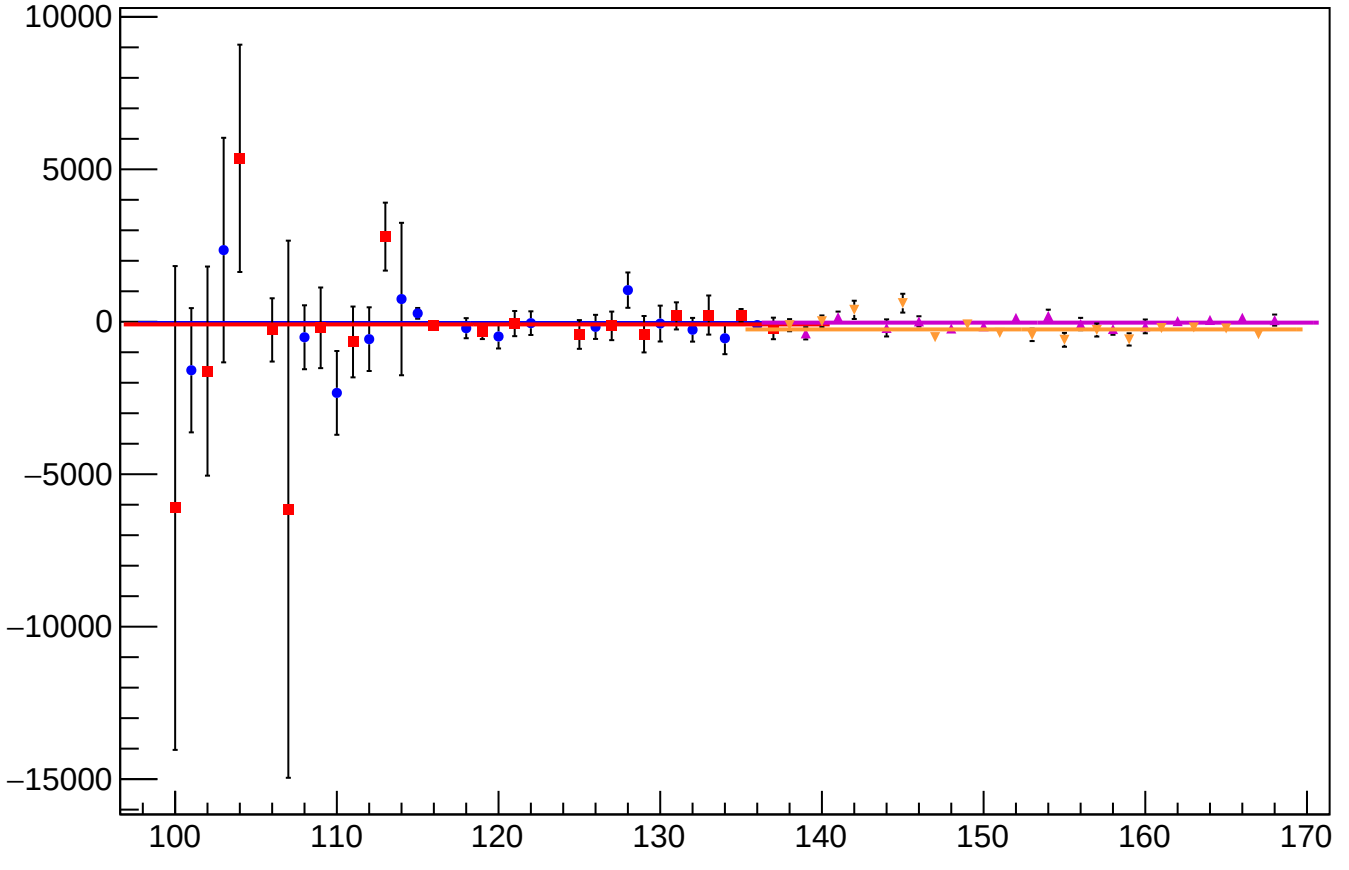
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2183.665+/-0.438 χ^2/NDF:1633.7/14

+ sign 2224.042+/-0.363 χ^2/NDF: 542794.2/30

All: 2228.730+/-0.255 χ^2/NDF: 750357.3/63

- sign 2233.282+/-0.357 χ^2/NDF: 207233.9/32



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -250.511+/-45.322 χ^2/NDF:26.4/14

Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

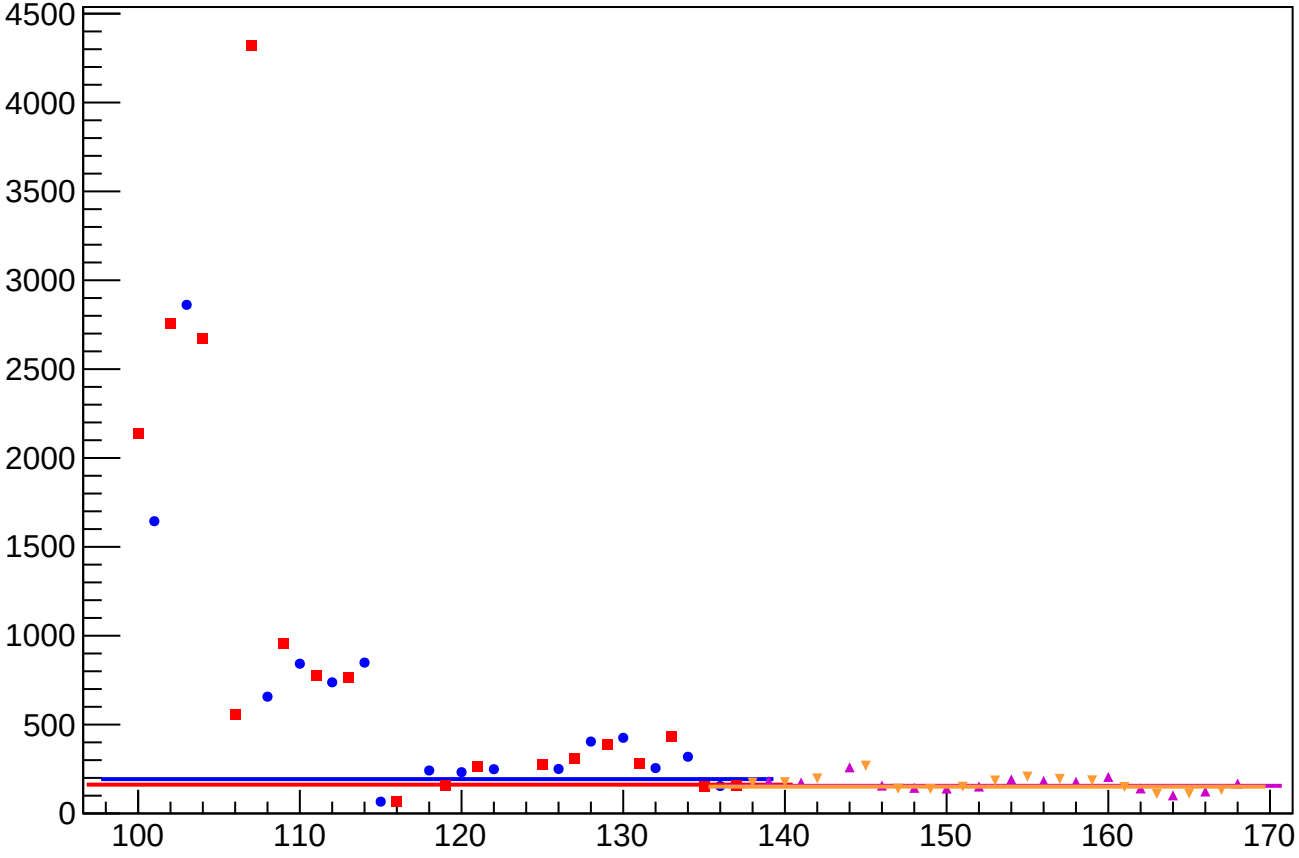
Left In: -28.545+/-45.277 χ^2/NDF:11.9/14

+ sign -209.715+/-40.692 χ^2/NDF: 44.7/30

All: -124.103+/-28.552 χ^2/NDF: 80.6/63

- sign -41.076+/-40.072 χ^2/NDF: 27.2/32

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 150.908+/-0.032 χ^2/NDF:1153159.7/14

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

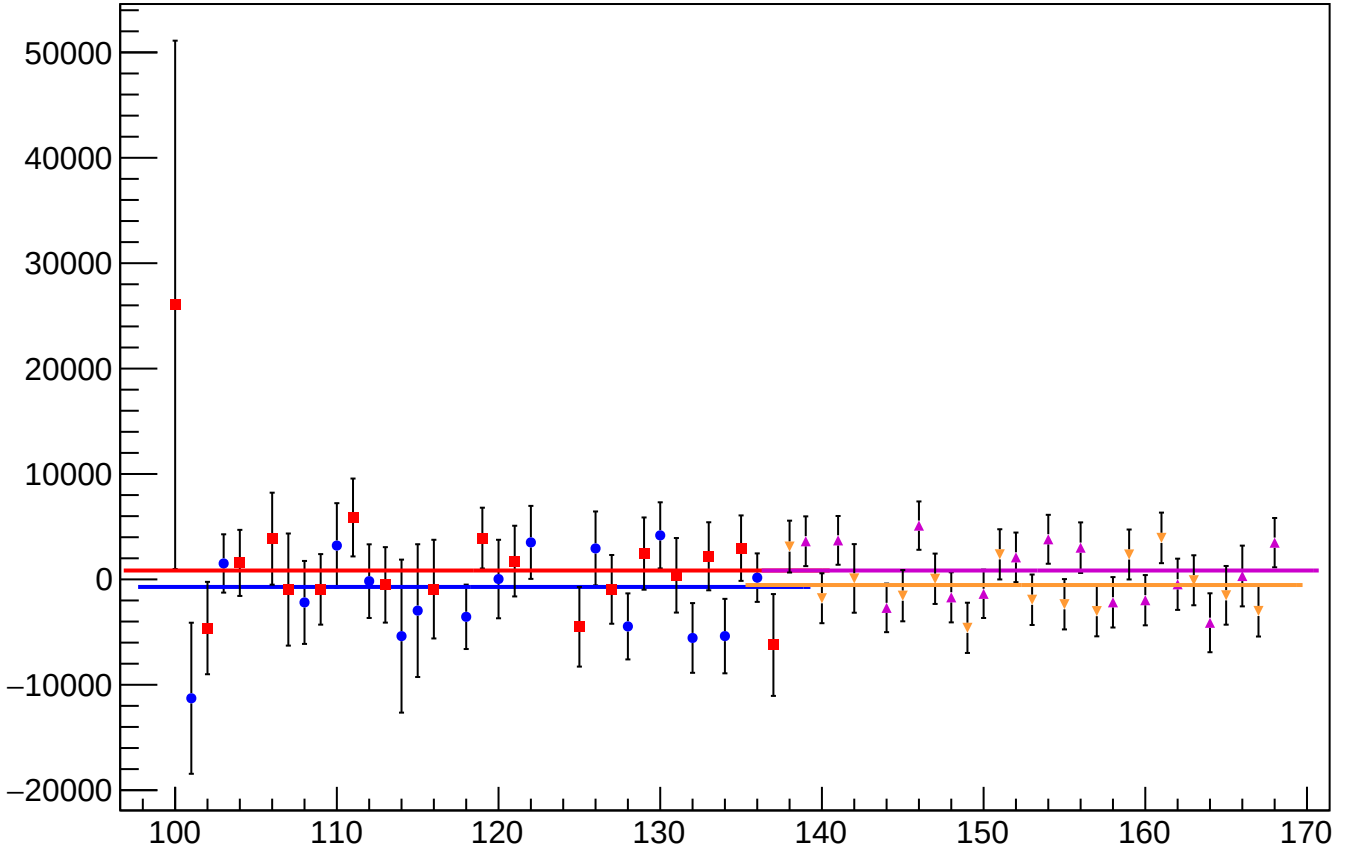
Left In: 155.480+/-0.032 χ^2/NDF:1025318.5/14

+ sign 159.119+/-0.029 χ^2/NDF: 7109570.9/30

All: 158.002+/-0.020 χ^2/NDF: 15217652.0/63

- sign 156.918+/-0.028 χ^2/NDF: 8105109.7/32

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: -534.893+/-633.887 χ^2/NDF:15.3/14

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

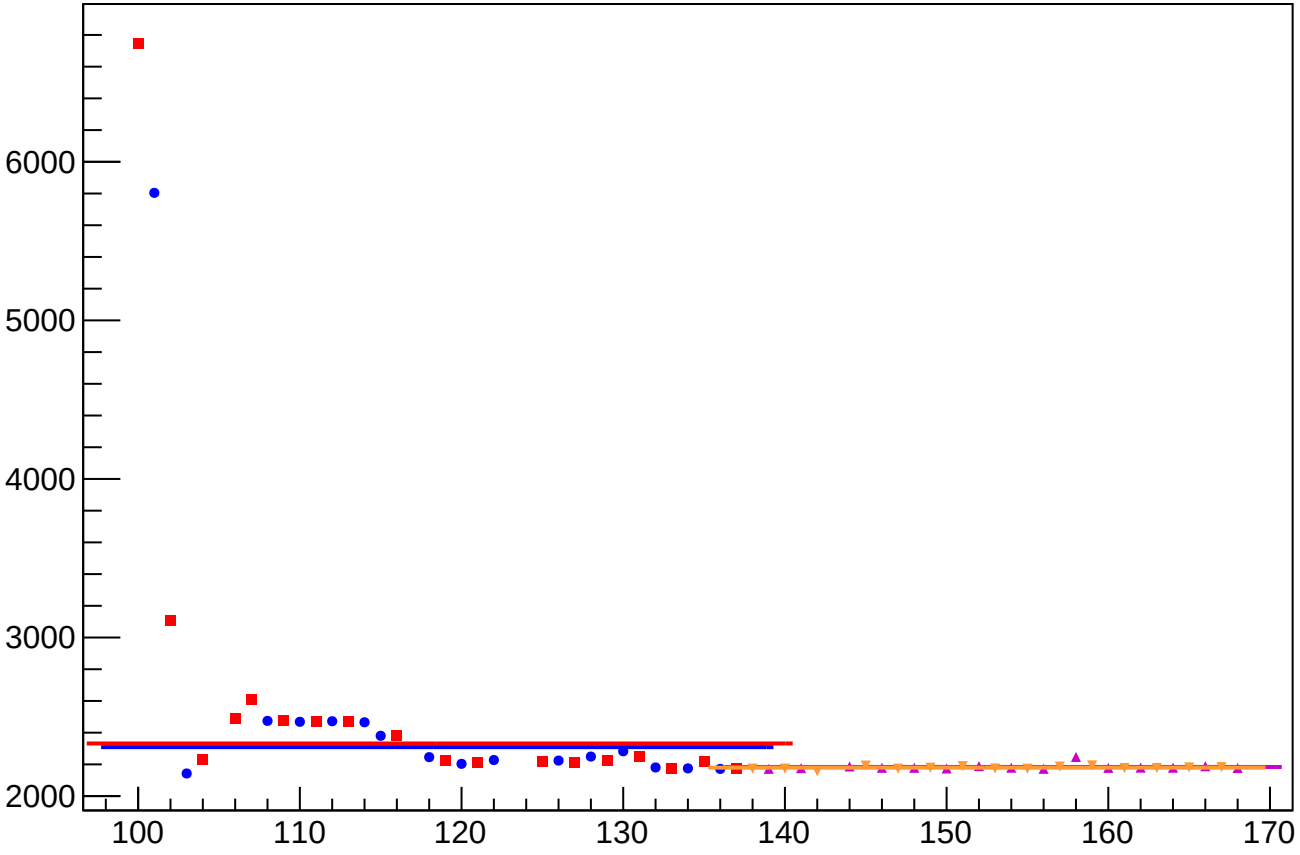
Left In: 842.025+/-619.808 χ^2/NDF:21.3/14

+ sign -597.756+/-513.042 χ^2/NDF: 31.2/30

All: 132.817+/-360.079 χ^2/NDF: 68.6/63

- sign 842.070+/-505.500 χ^2/NDF: 33.4/32

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.442+/-0.448 χ^2/NDF:349.0/14

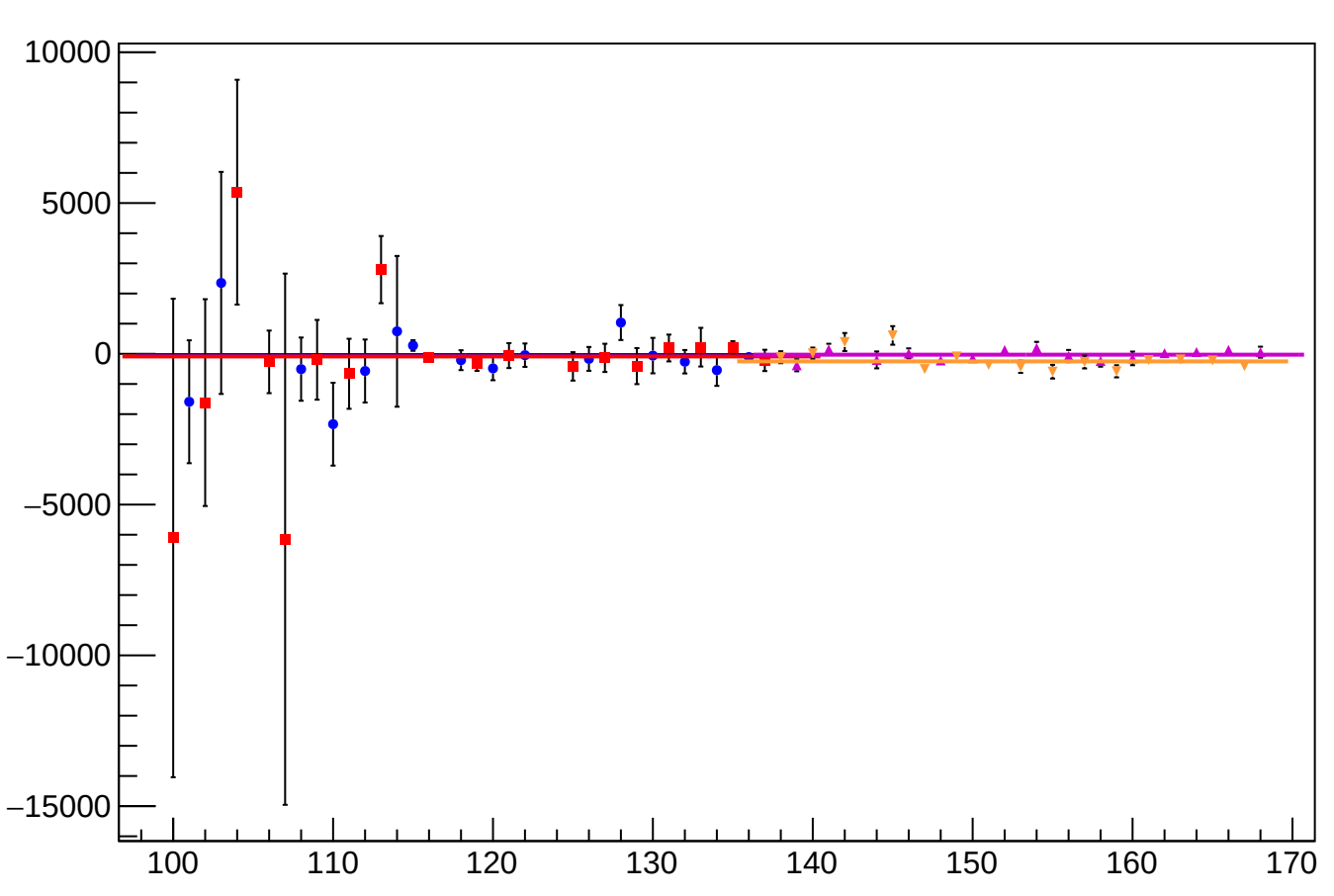
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2183.665+/-0.438 χ^2/NDF:1633.7/14

+ sign 2224.041+/-0.363 χ^2/NDF: 542794.2/30

All: 2228.730+/-0.255 χ^2/NDF: 750357.2/63

- sign 2233.282+/-0.357 χ^2/NDF: 207233.7/32



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -250.511+/-45.322 χ^2/NDF:26.4/14

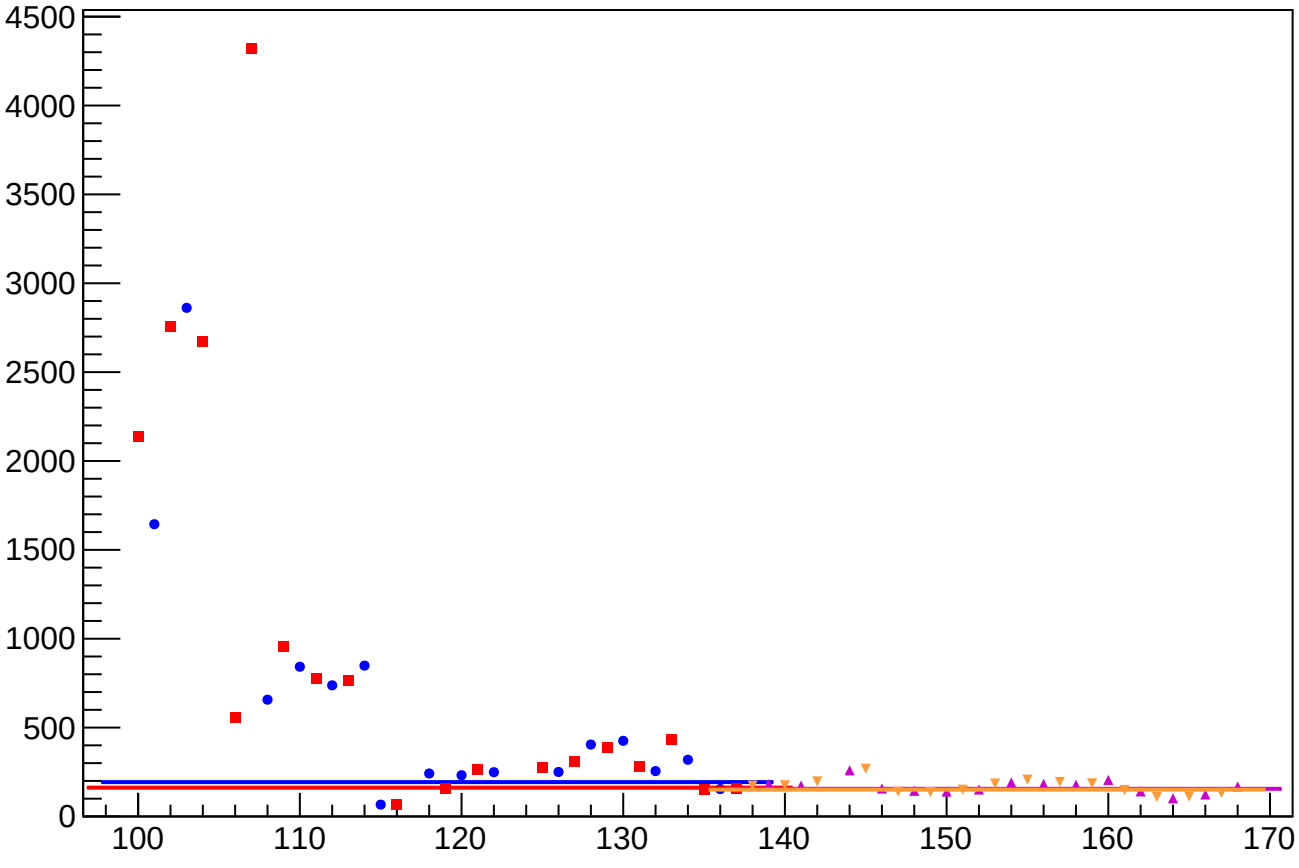
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -28.544+/-45.277 χ^2/NDF:11.9/14

+ sign -209.714+/-40.692 χ^2/NDF: 44.7/30

All: -124.102+/-28.552 χ^2/NDF: 80.6/63

- sign -41.076+/-40.072 χ^2/NDF: 27.2/32



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 150.908+/-0.032 χ^2/NDF:1153197.7/14

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

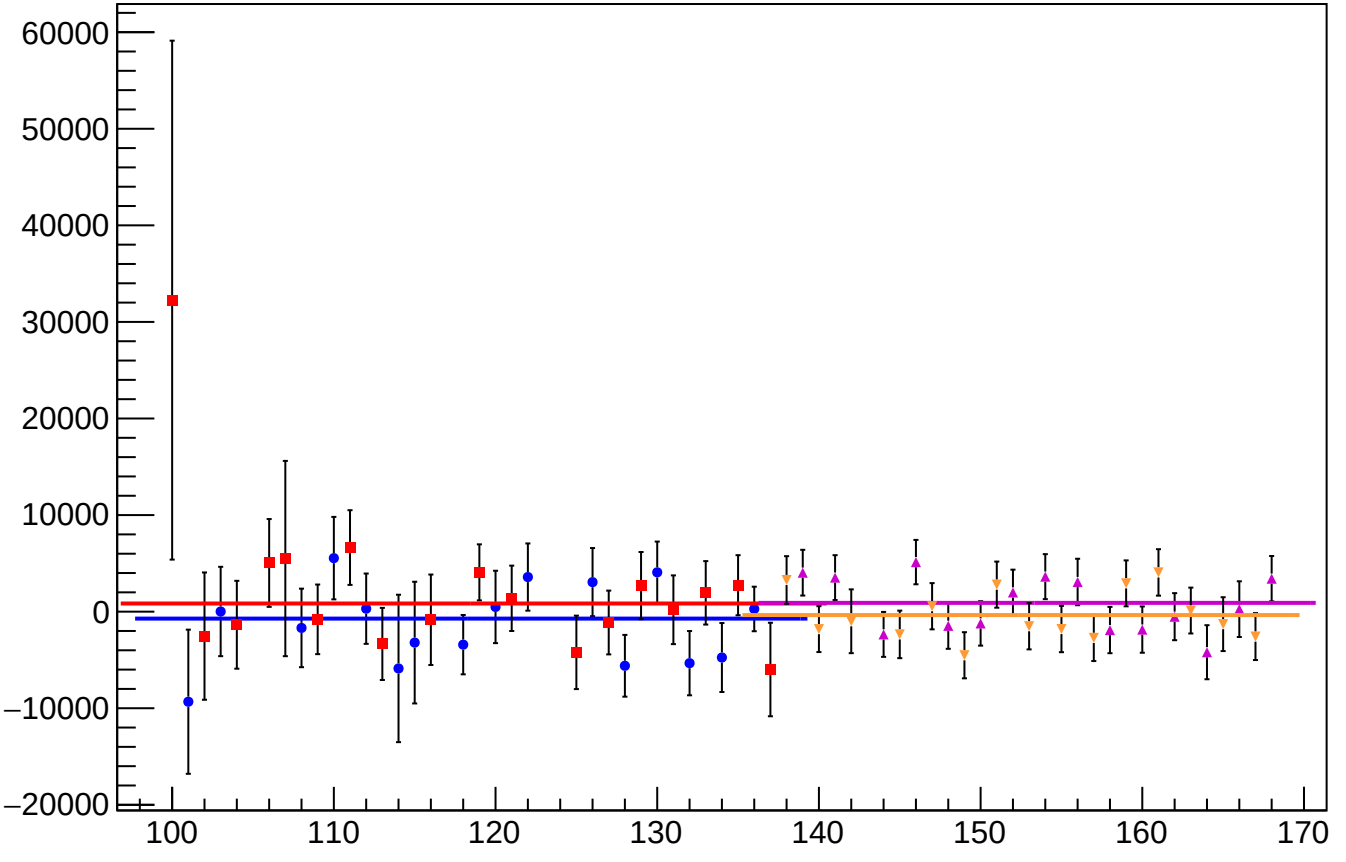
Left In: 155.481+/-0.032 χ^2/NDF:1025365.8/14

+ sign 159.119+/-0.029 χ^2/NDF: 7109618.7/30

All: 158.001+/-0.020 χ^2/NDF: 15217799.3/63

- sign 156.917+/-0.028 χ^2/NDF: 8105209.4/32

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -353.588+/-636.254 χ^2/NDF:16.0/14

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

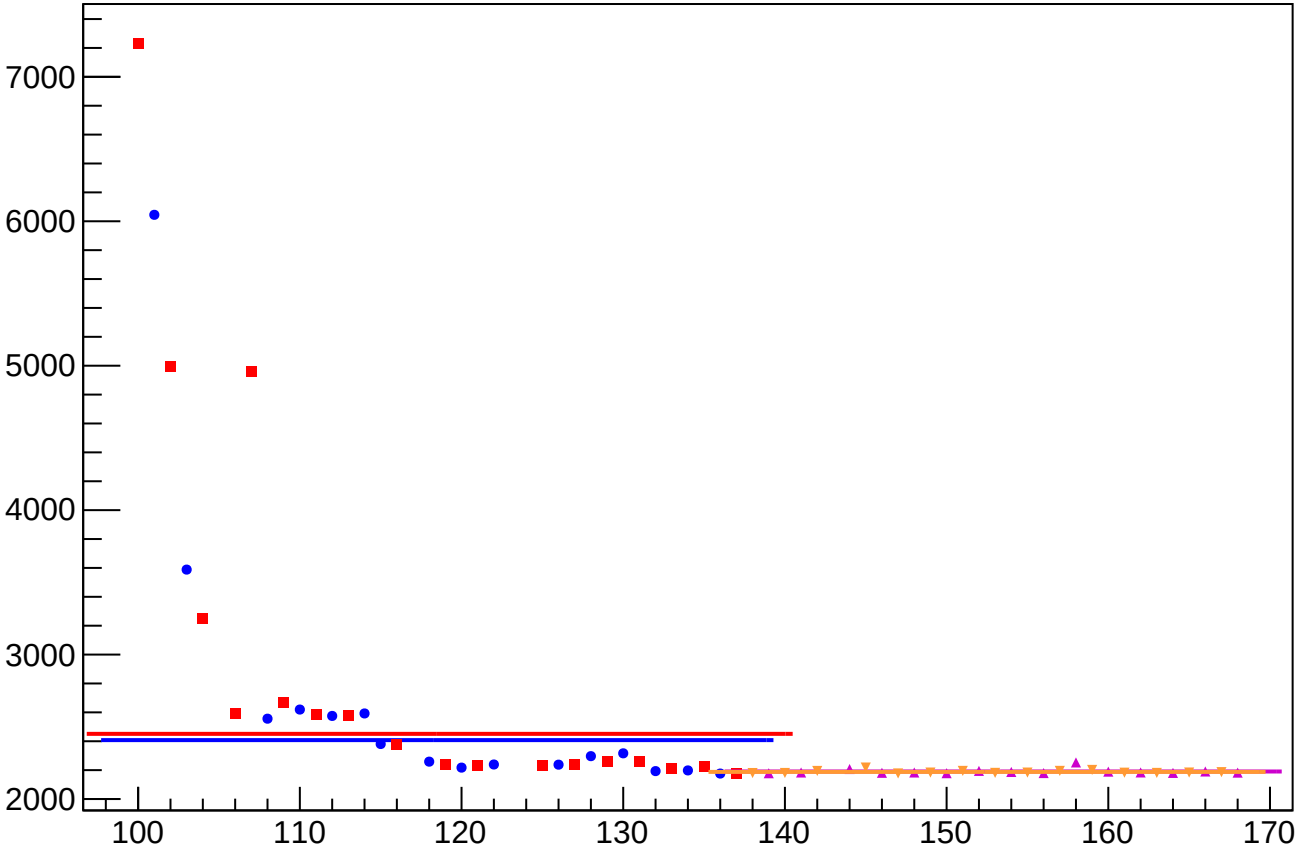
Left In: 909.952+/-621.773 χ^2/NDF:20.2/14

+ sign -472.655+/-522.604 χ^2/NDF: 31.9/30

All: 216.349+/-367.420 χ^2/NDF: 68.5/63

- sign 889.790+/-516.668 χ^2/NDF: 33.1/32

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2187.790+/-0.450 χ^2/NDF:552.7/14

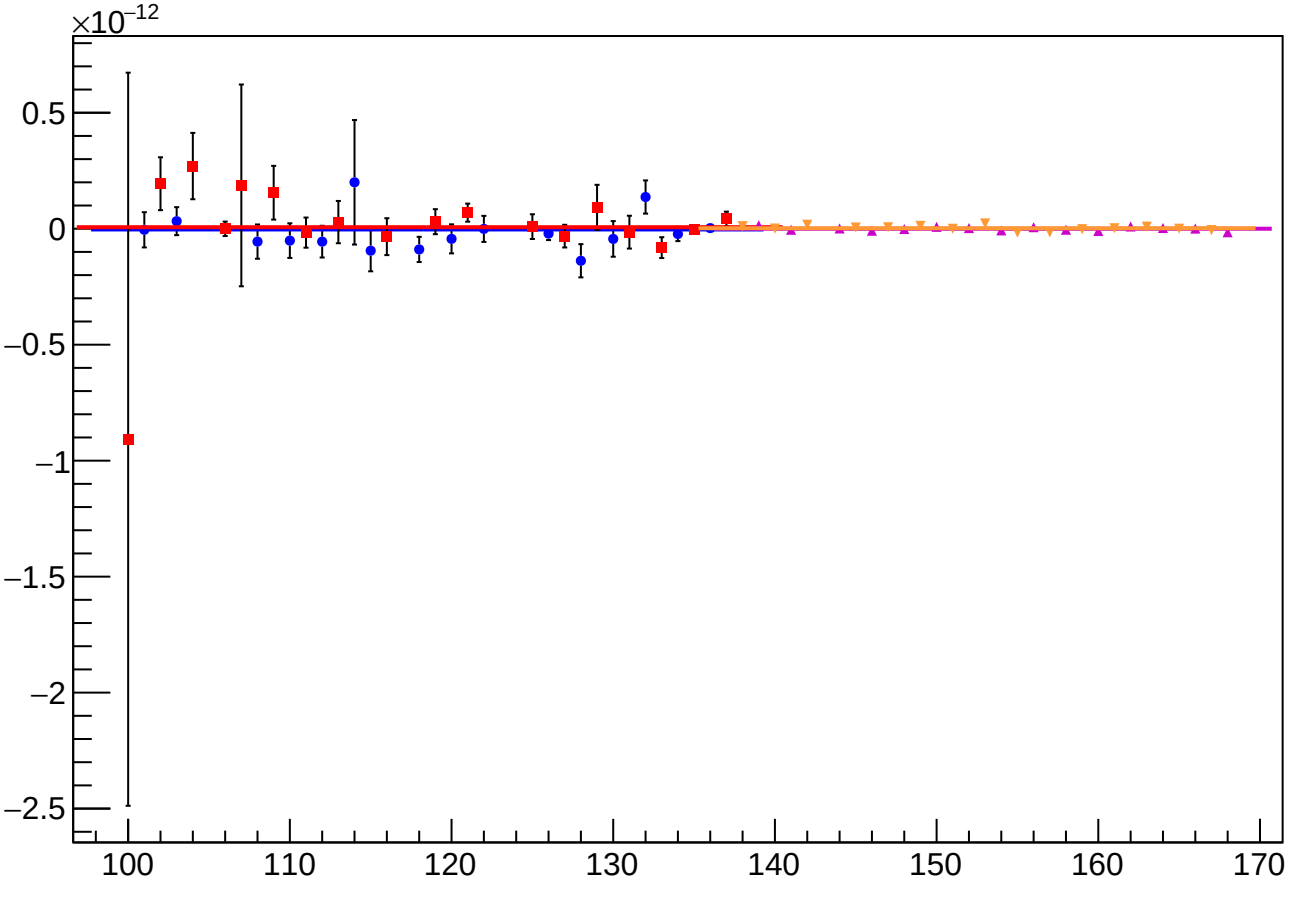
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2190.582+/-0.440 χ^2/NDF:1756.3/14

+ sign 2259.367+/-0.370 χ^2/NDF: 755242.5/30

All: 2265.372+/-0.260 χ^2/NDF: 1499866.4/63

- sign 2271.242+/-0.365 χ^2/NDF: 744101.6/32



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.0/14

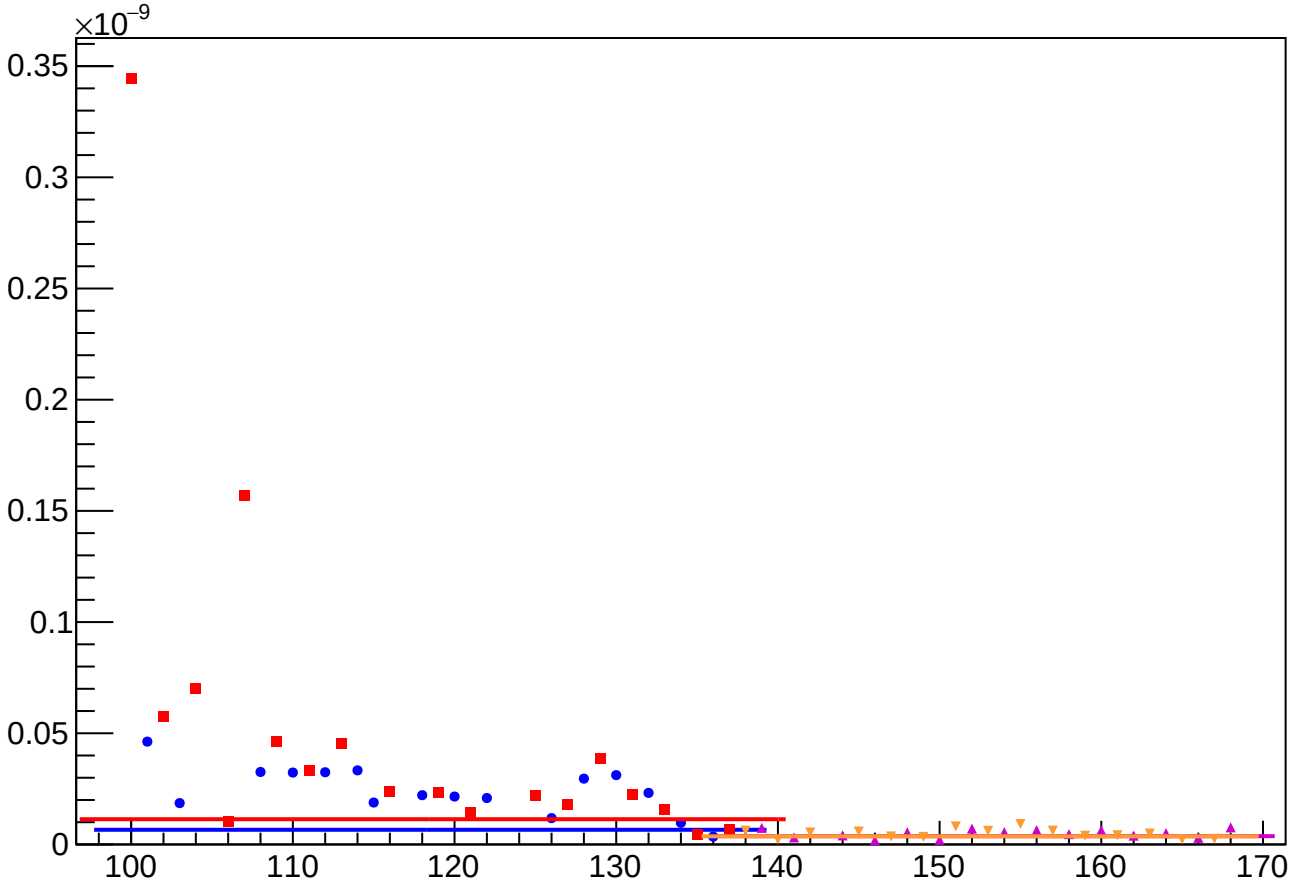
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:12.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 31.2/30

All: 0.000+/-0.000 χ^2/NDF: 63.0/63

- sign 0.000+/-0.000 χ^2/NDF: 31.5/32



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1411890.0/14

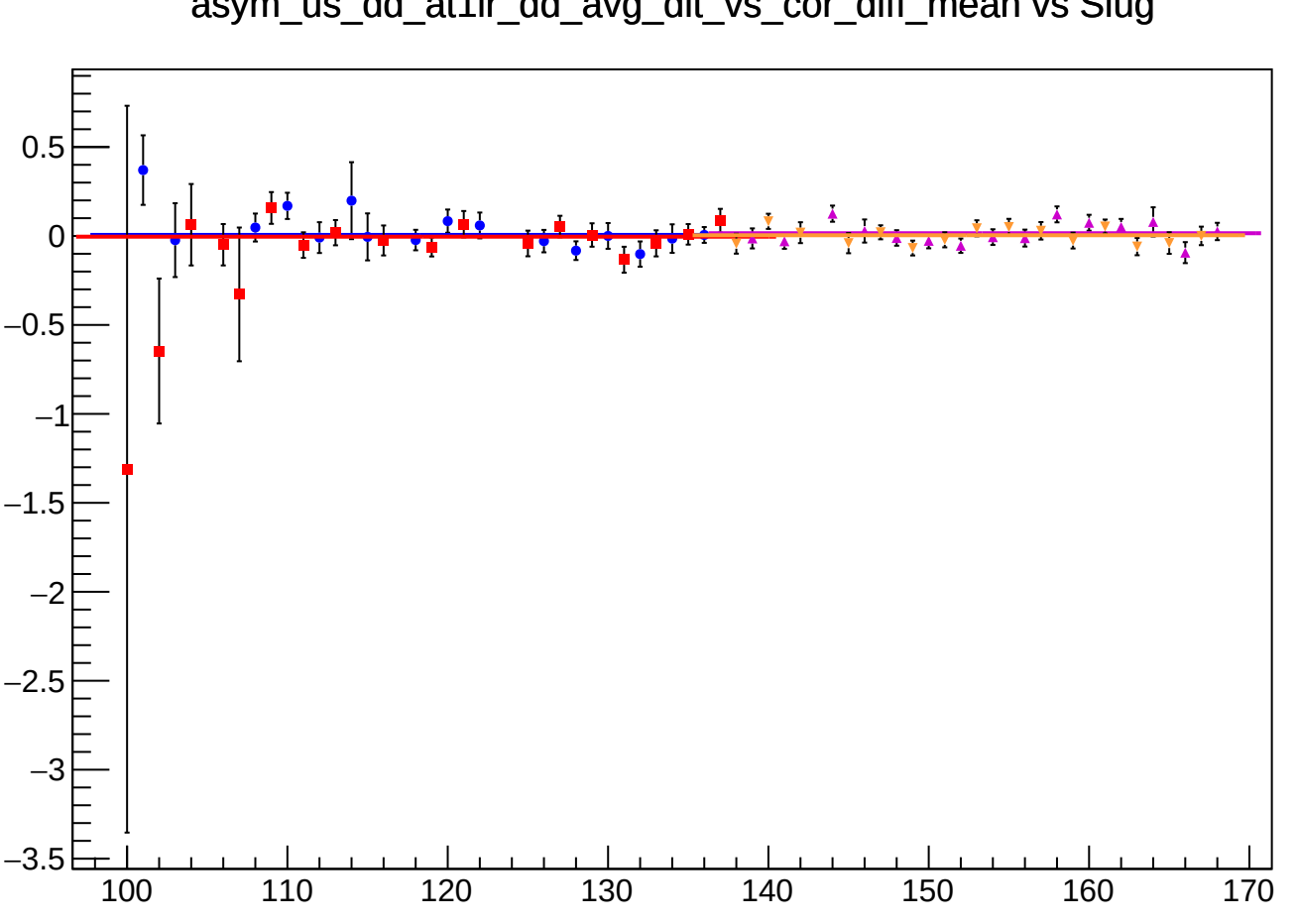
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1355530.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 4668775.2/30

All: 0.000+/-0.000 χ^2/NDF: 9894540.6/63

- sign 0.000+/-0.000 χ^2/NDF: 5220832.8/32



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:14.5/14

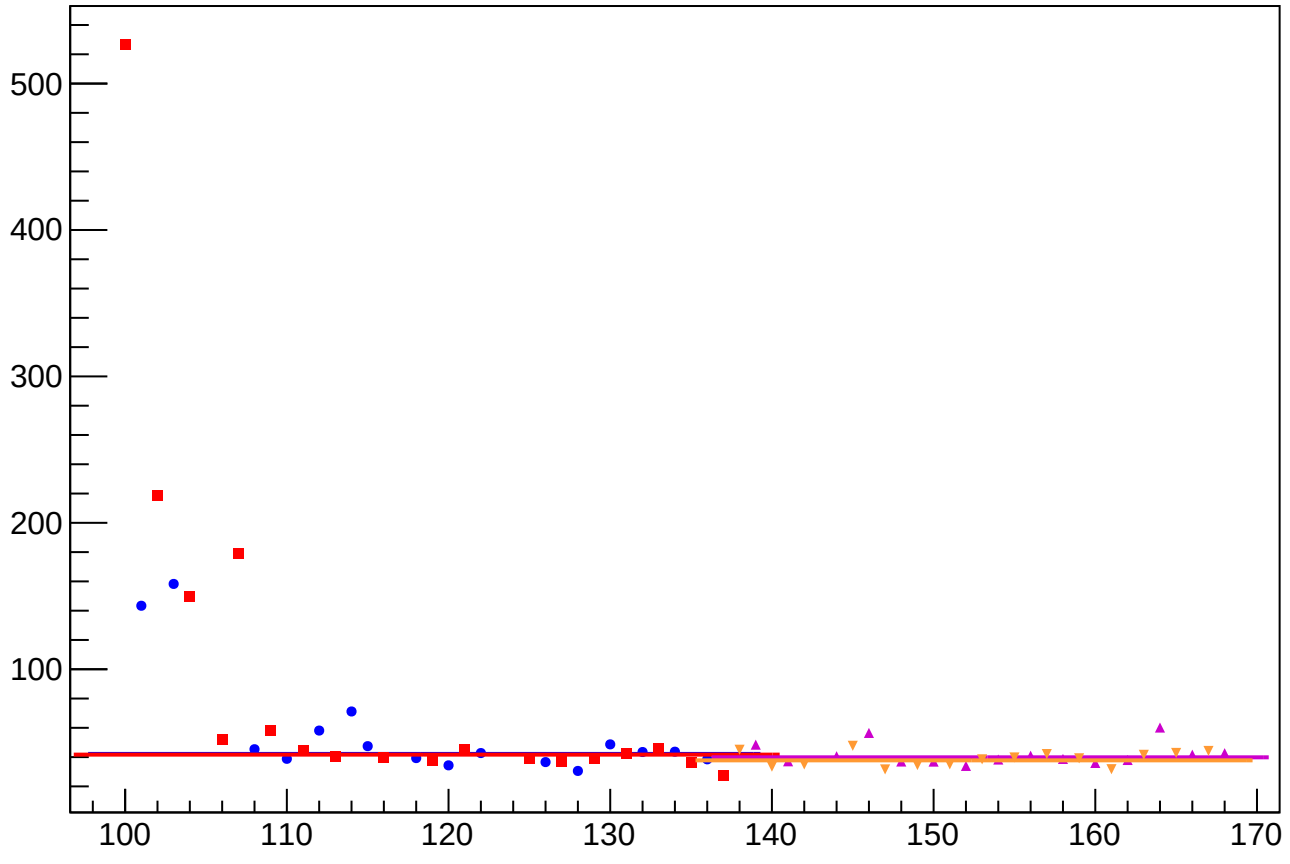
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.015+/-0.012 χ^2/NDF:24.2/14

+ sign 0.005+/-0.010 χ^2/NDF: 31.8/30

All: 0.007+/-0.007 χ^2/NDF: 73.1/63

- sign 0.010+/-0.010 χ^2/NDF: 41.3/32



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.783+/-0.009 χ^2/NDF:315003.5/14

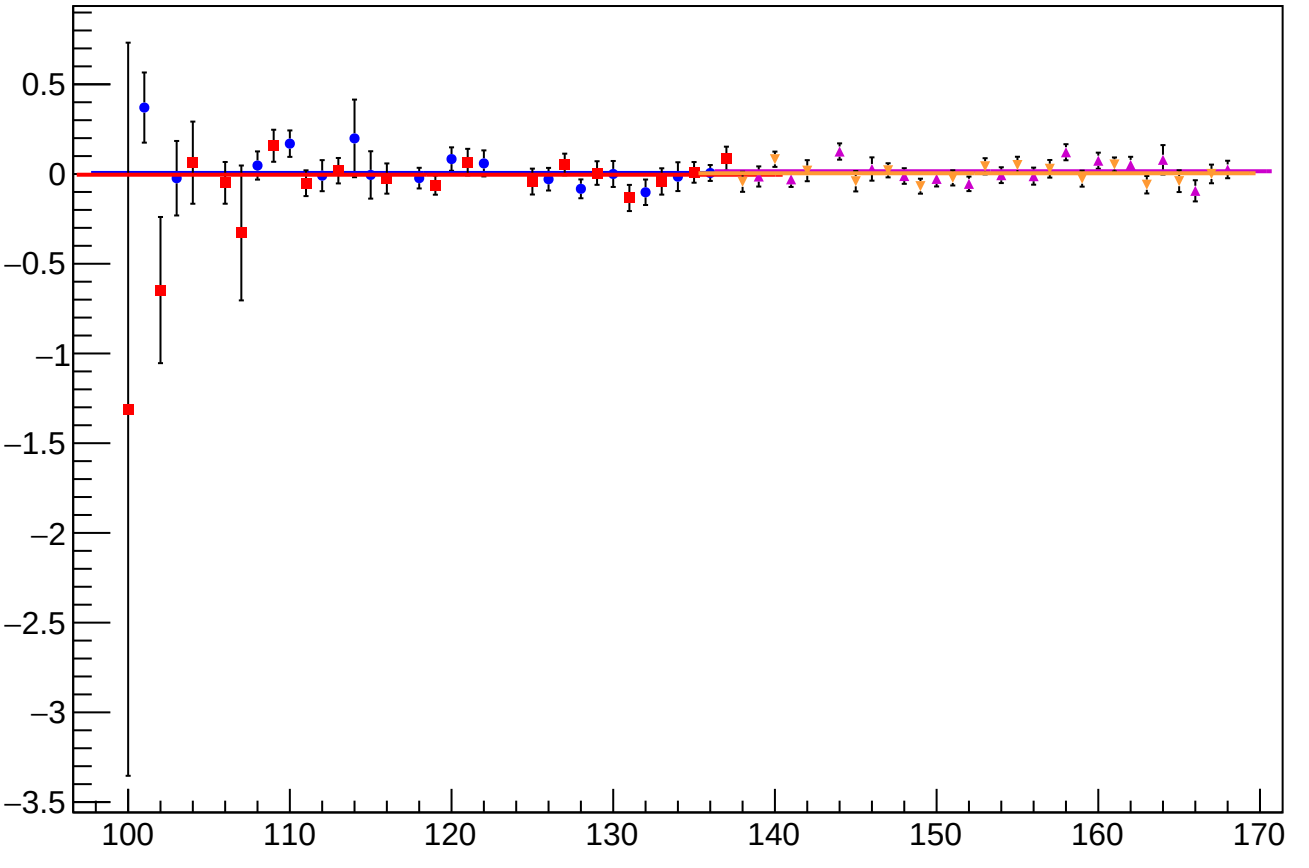
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.847+/-0.009 χ^2/NDF:401997.5/14

+ sign 39.119+/-0.007 χ^2/NDF: 1849472.2/30

All: 39.753+/-0.005 χ^2/NDF: 3722464.8/63

- sign 40.410+/-0.007 χ^2/NDF: 1856884.3/32



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:14.5/14

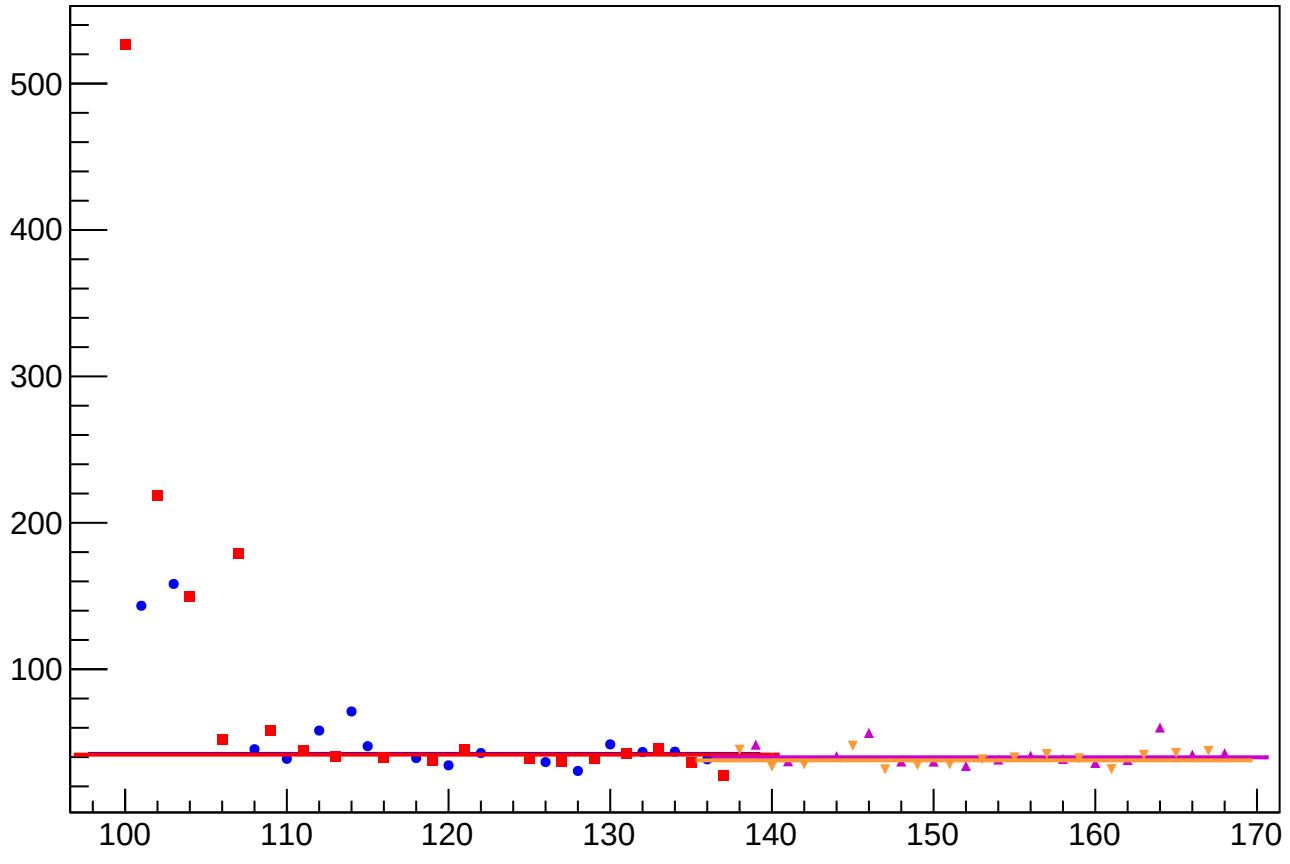
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.015+/-0.012 χ^2/NDF:24.2/14

+ sign 0.005+/-0.010 χ^2/NDF: 31.8/30

All: 0.007+/-0.007 χ^2/NDF: 73.1/63

- sign 0.010+/-0.010 χ^2/NDF: 41.3/32



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.783+/-0.009 χ^2/NDF:315003.5/14

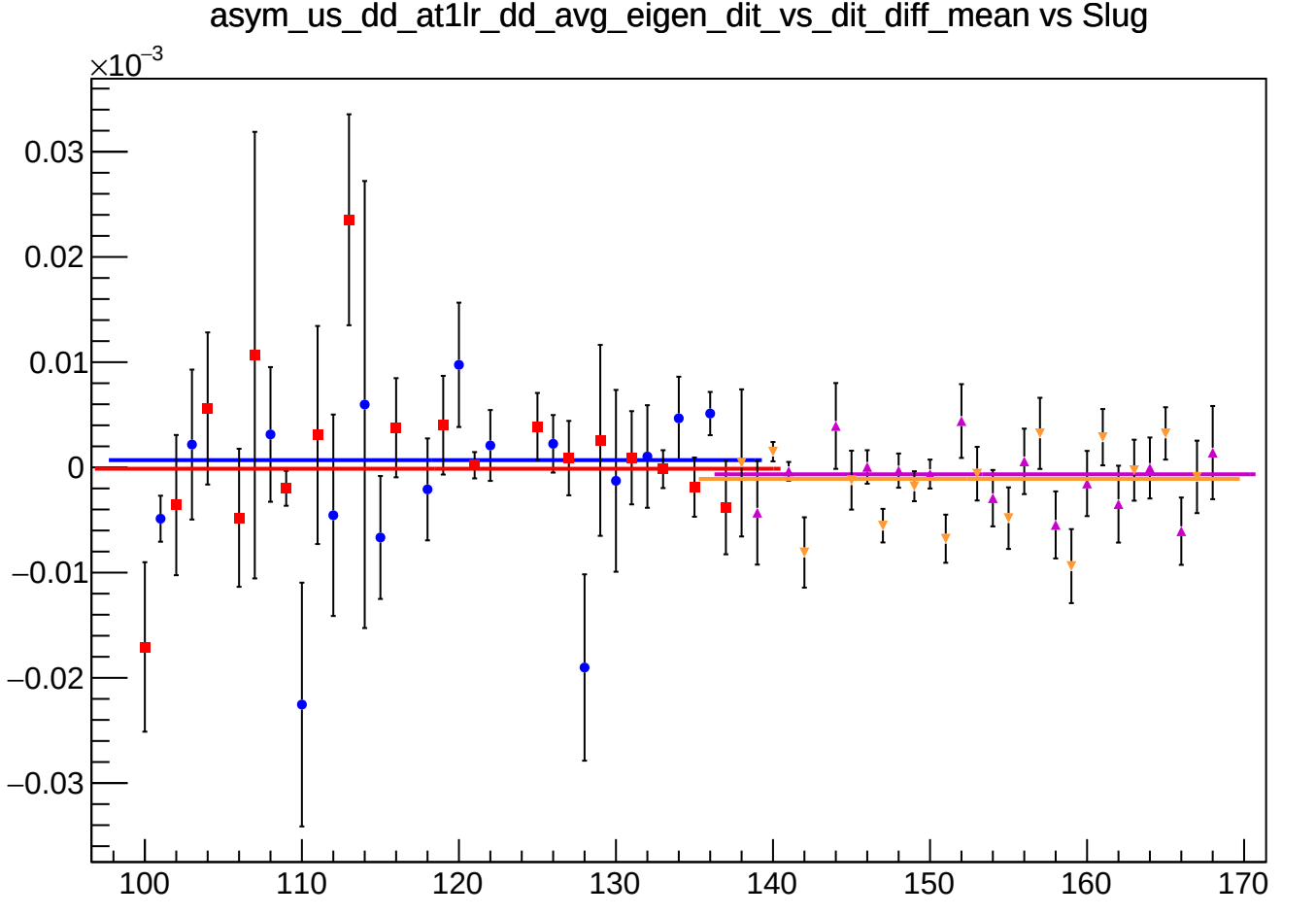
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.847+/-0.009 χ^2/NDF:401997.5/14

+ sign 39.119+/-0.007 χ^2/NDF: 1849472.2/30

All: 39.753+/-0.005 χ^2/NDF: 3722464.8/63

- sign 40.410+/-0.007 χ^2/NDF: 1856884.3/32



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.7/14

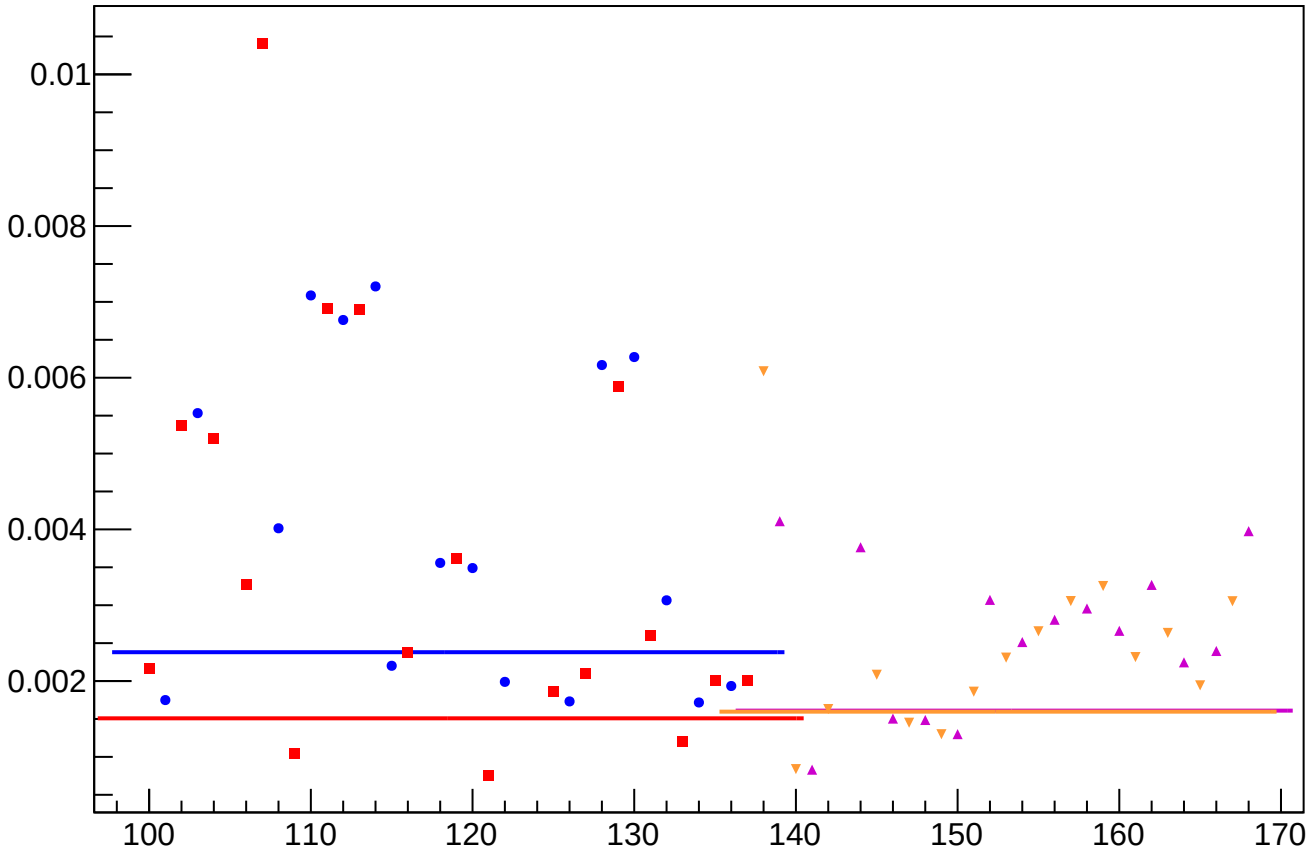
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:11.2/14

+ sign -0.000+/-0.000 χ^2/NDF: 69.6/30

All: -0.000+/-0.000 χ^2/NDF: 98.7/63

- sign -0.000+/-0.000 χ^2/NDF: 29.0/32



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:4412947.4/14

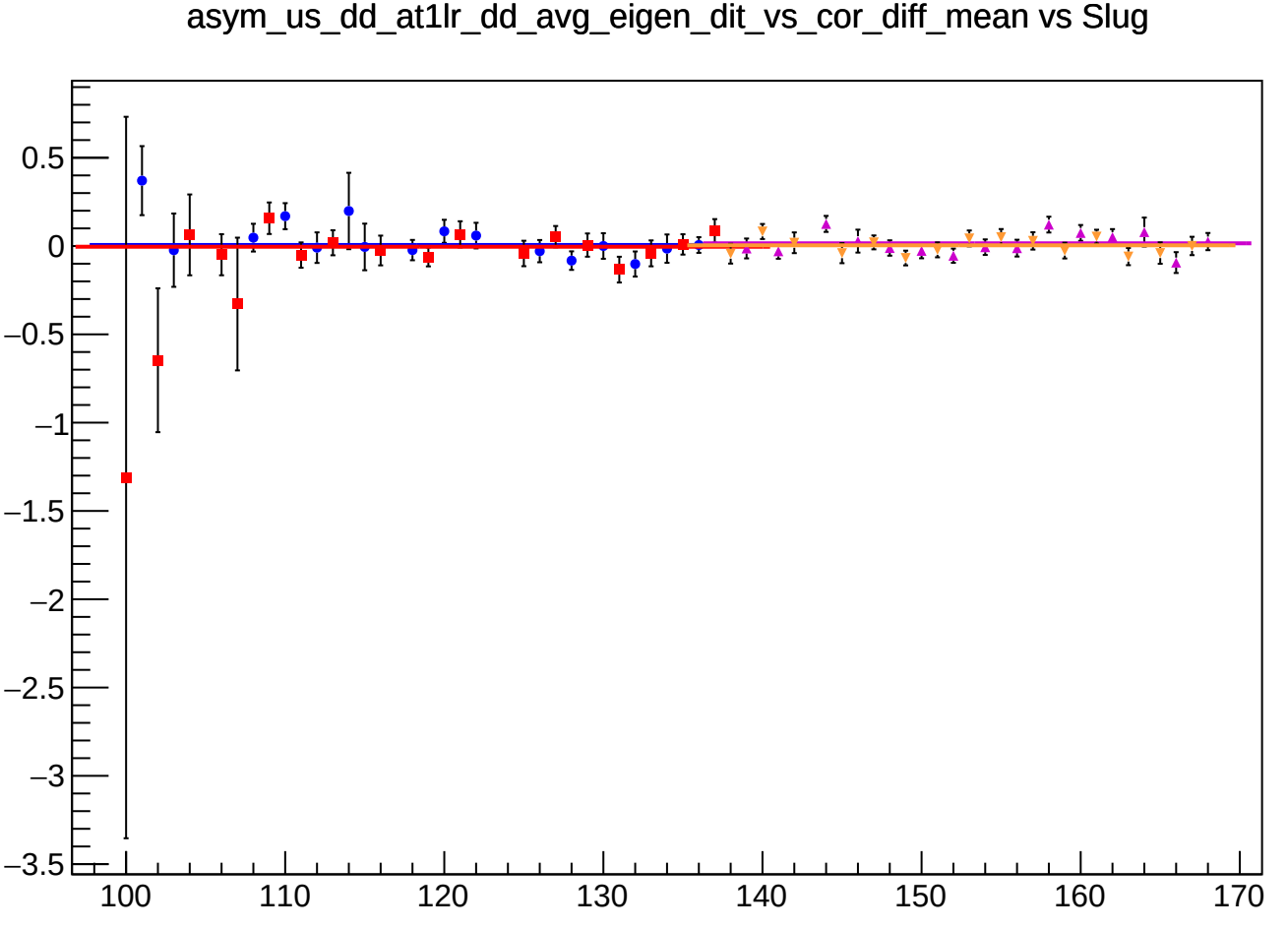
Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.002+/-0.000 χ^2/NDF:5392148.8/14

+ sign 0.002+/-0.000 χ^2/NDF: 8173014.2/30

All: 0.002+/-0.000 χ^2/NDF: 18775924.7/63

- sign 0.002+/-0.000 χ^2/NDF: 10419514.0/32



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:14.5/14

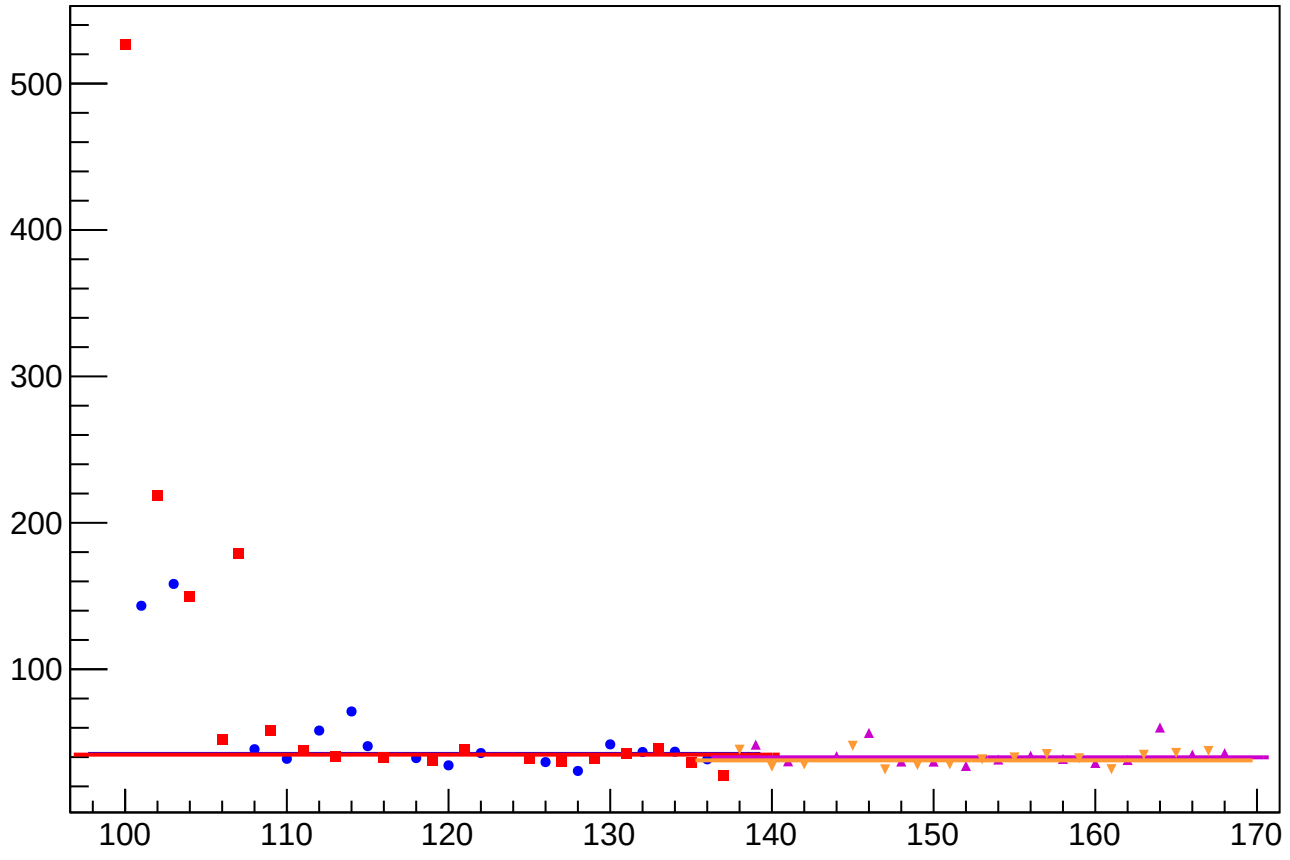
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.015+/-0.012 χ^2/NDF:24.2/14

+ sign 0.005+/-0.010 χ^2/NDF: 31.8/30

All: 0.007+/-0.007 χ^2/NDF: 73.1/63

- sign 0.010+/-0.010 χ^2/NDF: 41.3/32



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.783+/-0.009 χ^2/NDF:314989.5/14

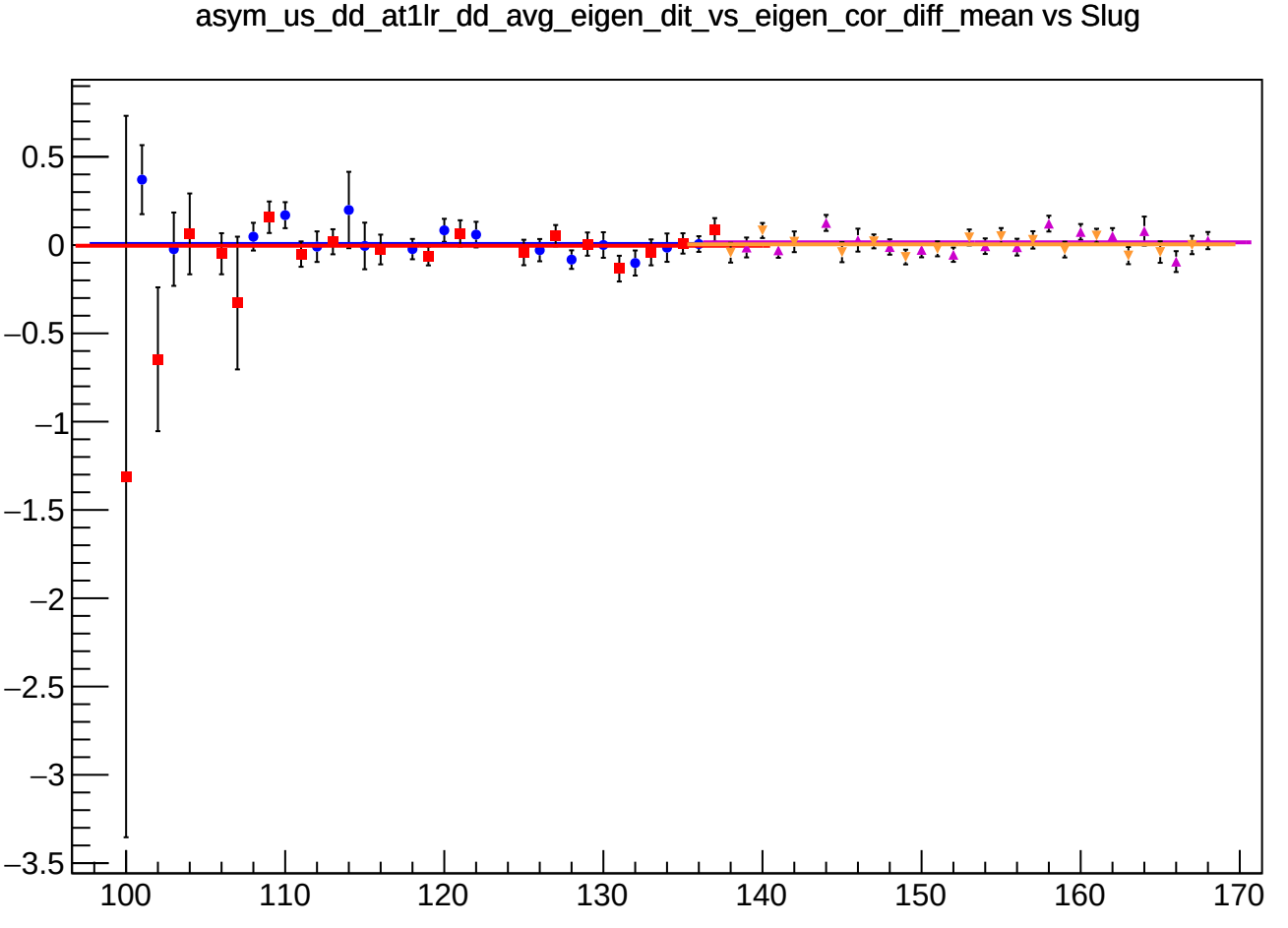
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.847+/-0.009 χ^2/NDF:402034.0/14

+ sign 39.118+/-0.007 χ^2/NDF: 1849582.5/30

All: 39.753+/-0.005 χ^2/NDF: 3722617.2/63

- sign 40.411+/-0.007 χ^2/NDF: 1856908.5/32



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:14.5/14

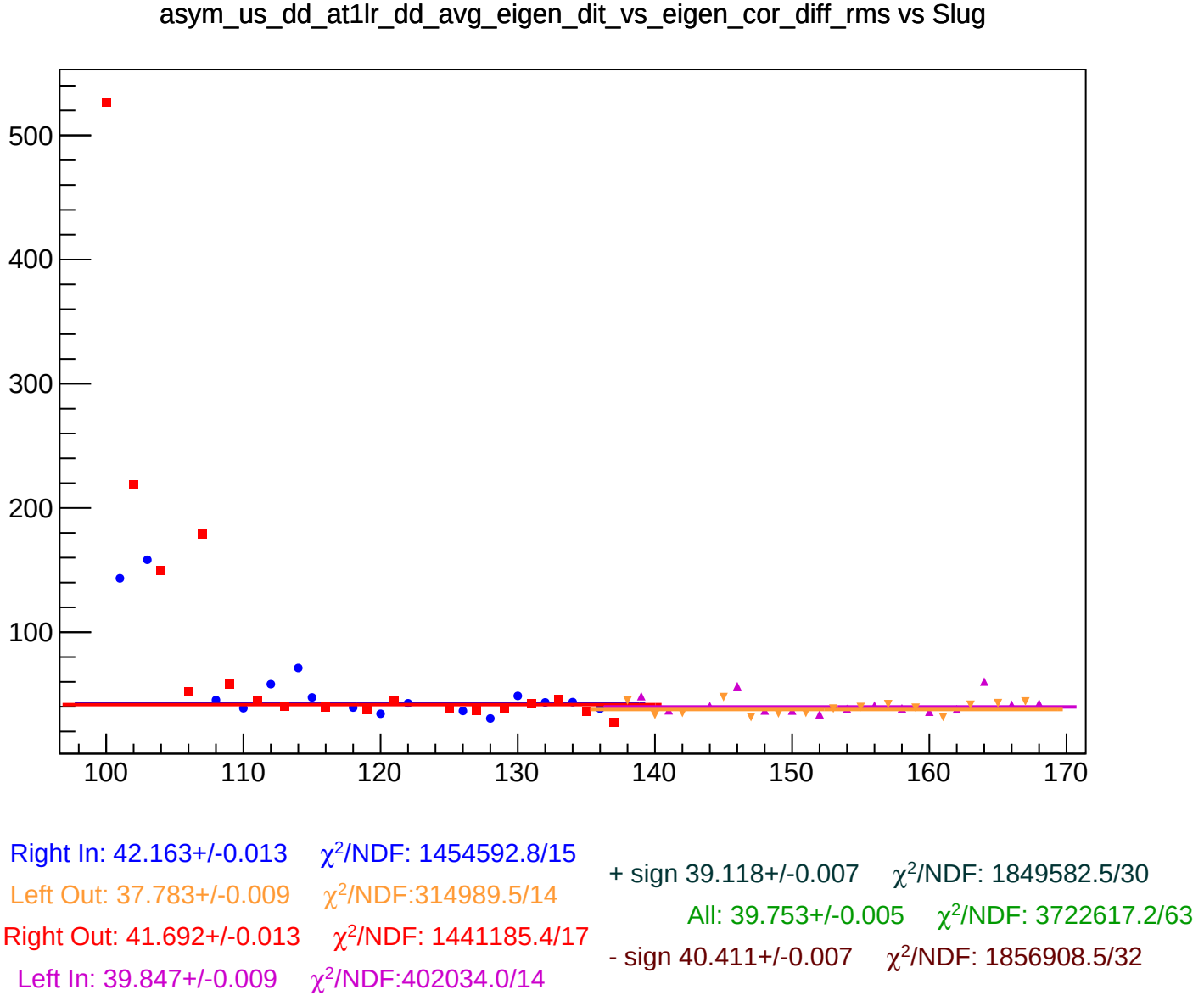
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

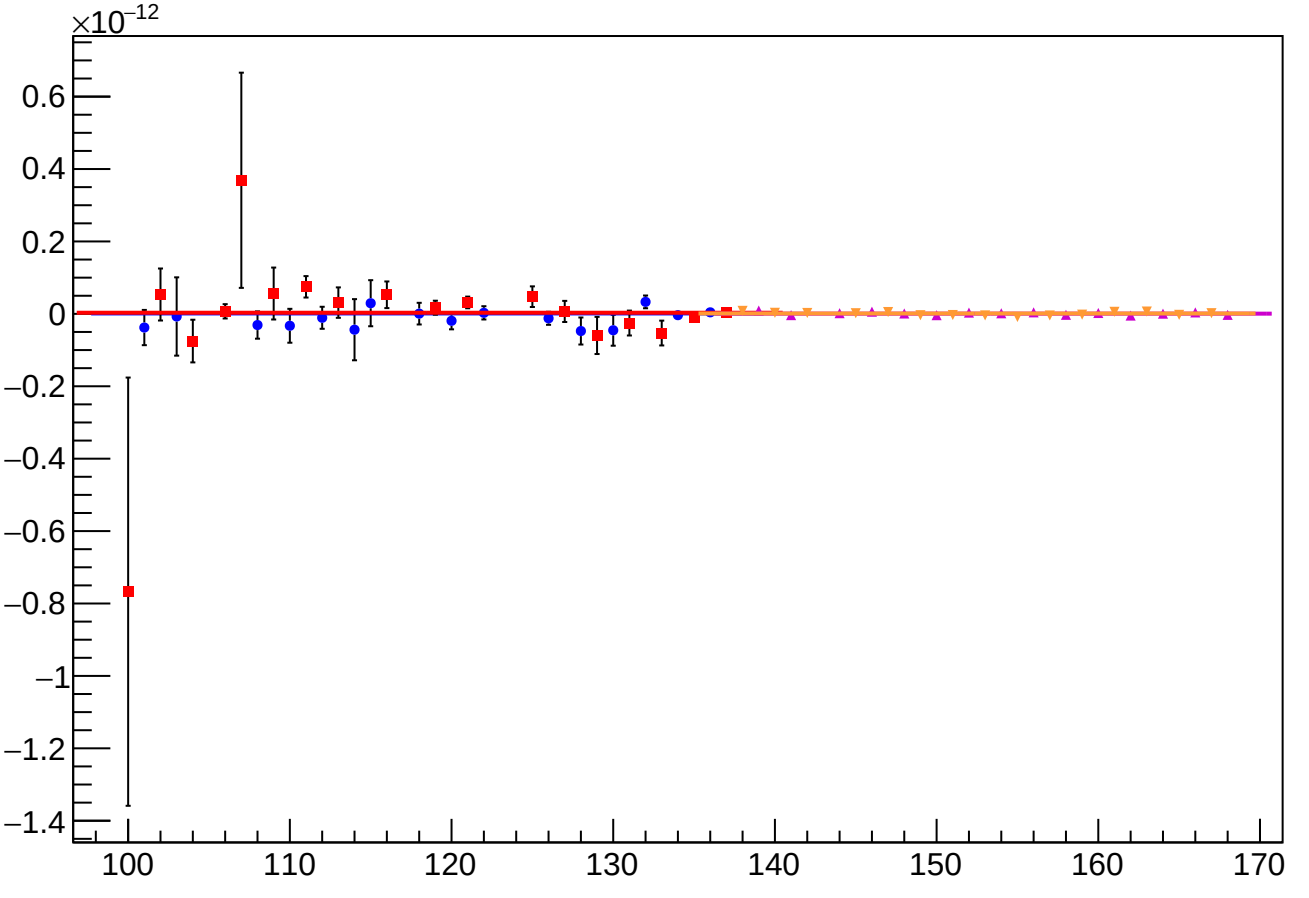
Left In: 0.015+/-0.012 χ^2/NDF:24.2/14

+ sign 0.005+/-0.010 χ^2/NDF: 31.8/30

All: 0.007+/-0.007 χ^2/NDF: 73.1/63

- sign 0.010+/-0.010 χ^2/NDF: 41.3/32


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: 37.783+/-0.009 χ²/NDF:314989.5/14
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 39.847+/-0.009 χ²/NDF:402034.0/14
+ sign 39.118+/-0.007 χ²/NDF: 1849582.5/30
All: 39.753+/-0.005 χ²/NDF: 3722617.2/63
- sign 40.411+/-0.007 χ²/NDF: 1856908.5/32



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.0/14

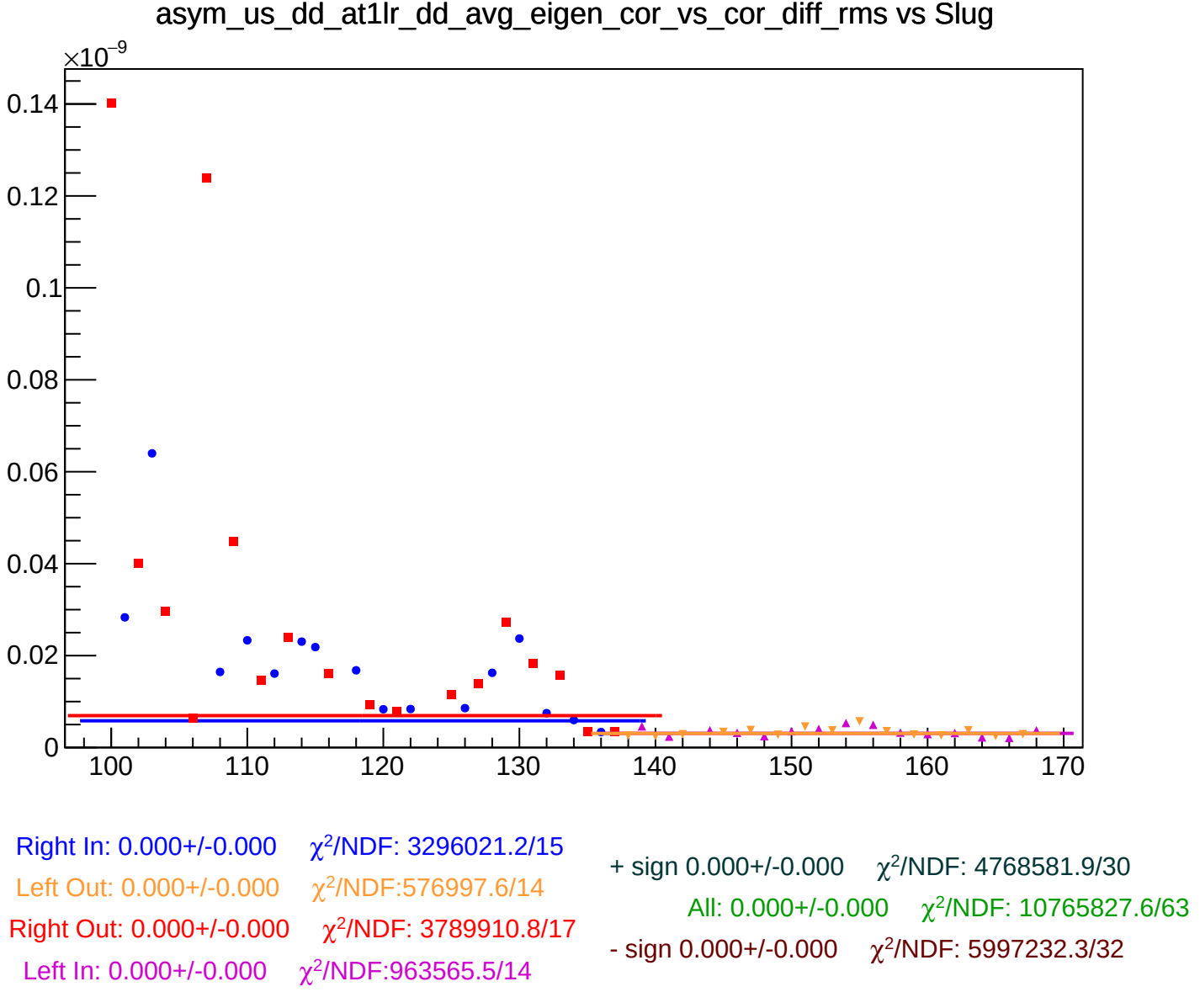
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:8.9/14

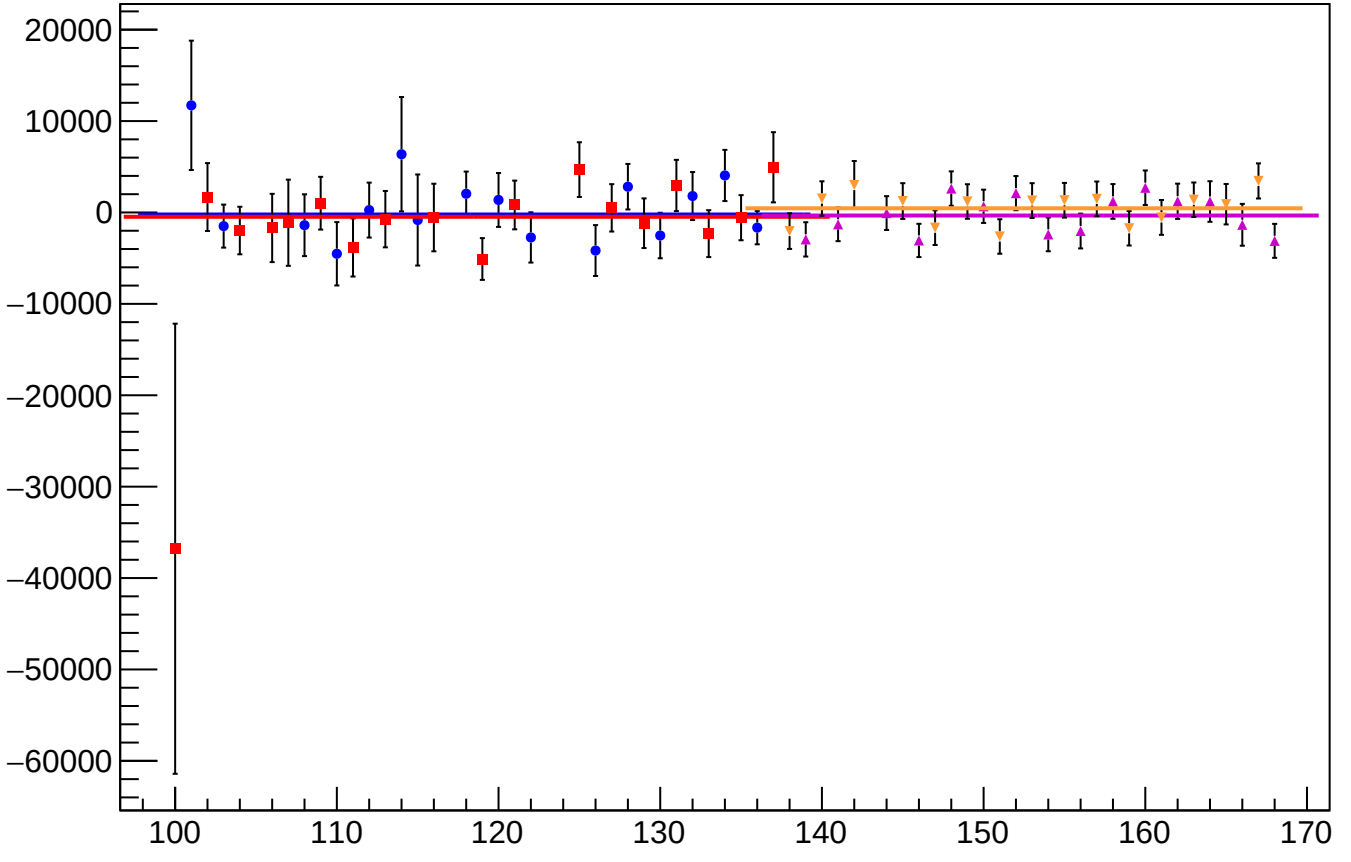
+ sign 0.000+/-0.000 χ^2/NDF: 22.5/30

All: 0.000+/-0.000 χ^2/NDF: 60.6/63

- sign 0.000+/-0.000 χ^2/NDF: 38.0/32


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:576997.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:963565.5/14
+ sign 0.000+/-0.000 χ²/NDF: 4768581.9/30
All: 0.000+/-0.000 χ²/NDF: 10765827.6/63
- sign 0.000+/-0.000 χ²/NDF: 5997232.3/32

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 458.247+/-504.006 χ^2/NDF:12.2/14

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

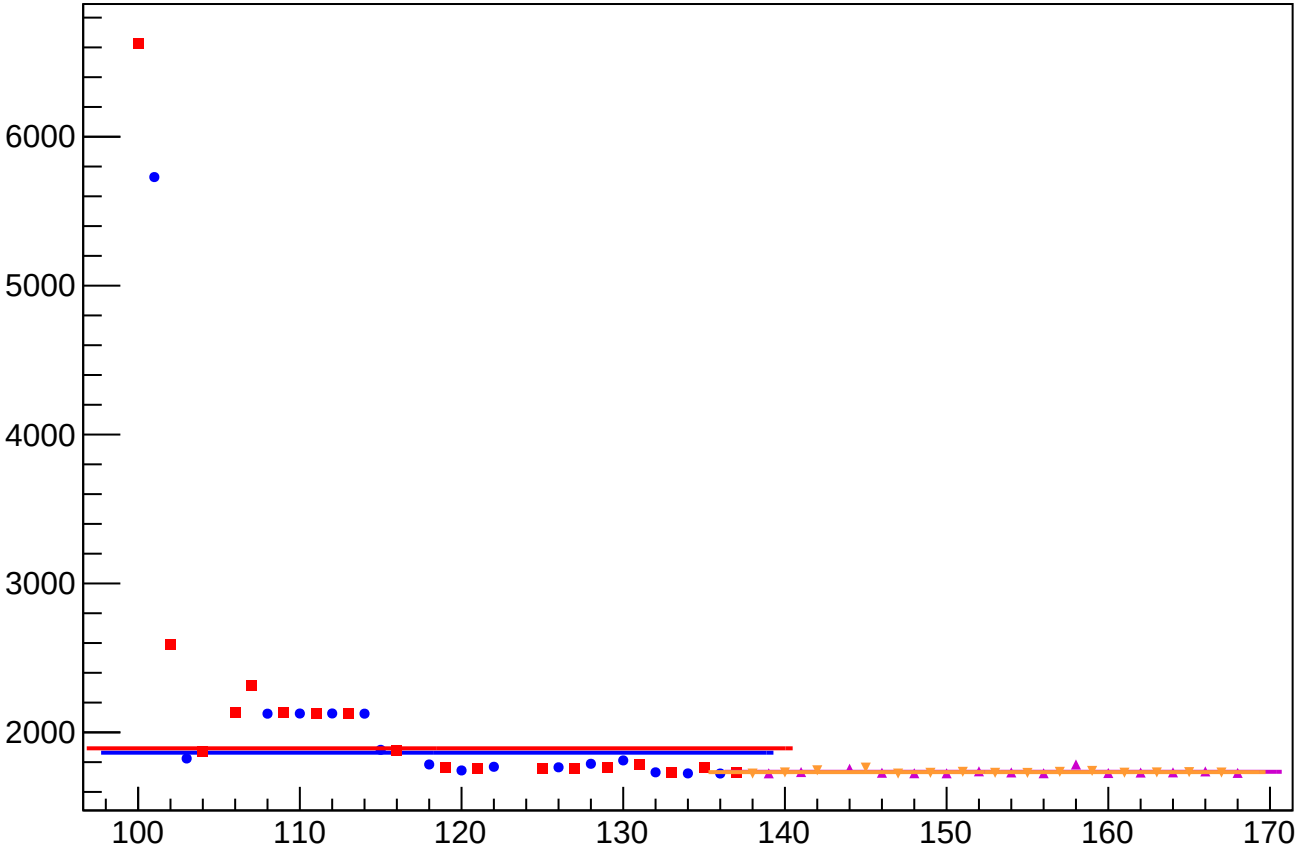
Left In: -333.529+/-492.531 χ^2/NDF:17.8/14

+ sign 229.626+/-410.819 χ^2/NDF: 28.6/30

All: -78.813+/-288.400 χ^2/NDF: 63.4/63

- sign -378.523+/-404.963 χ^2/NDF: 33.7/32

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1733.035+/-0.356 χ^2/NDF:718.1/14

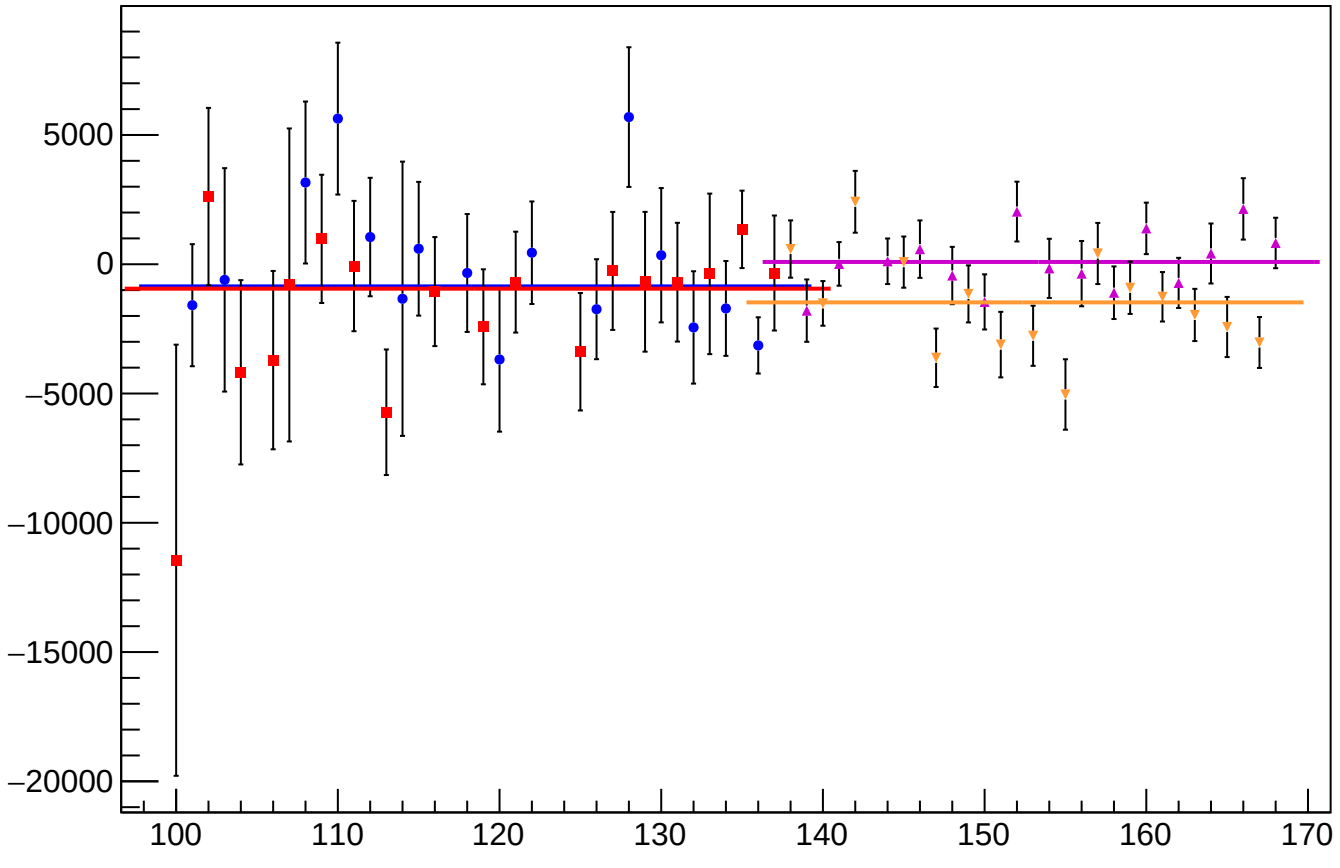
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1735.241+/-0.348 χ^2/NDF:1942.8/14

+ sign 1776.846+/-0.290 χ^2/NDF: 720414.0/30

All: 1781.645+/-0.204 χ^2/NDF: 1040770.3/63

- sign 1786.308+/-0.286 χ^2/NDF: 319818.2/32



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1475.249+/-278.255 χ^2/NDF:36.2/14

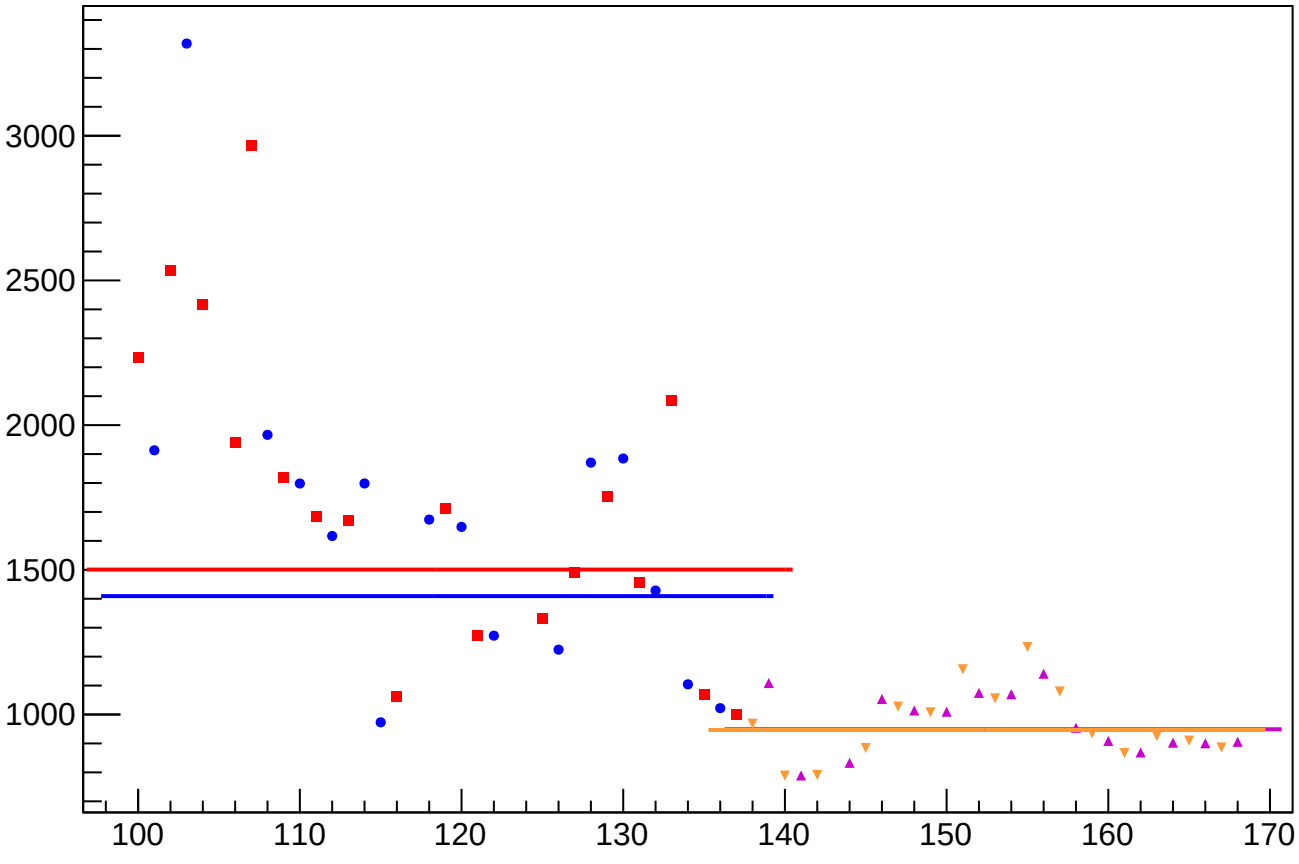
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 88.825+/-271.582 χ^2/NDF:15.4/14

+ sign -1349.239+/-248.269 χ^2/NDF: 57.9/30

All: -716.991+/-174.836 χ^2/NDF: 101.6/63

- sign -94.963+/-246.254 χ^2/NDF: 30.9/32



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 946.431+/-0.197 χ^2/NDF:336231.2/14

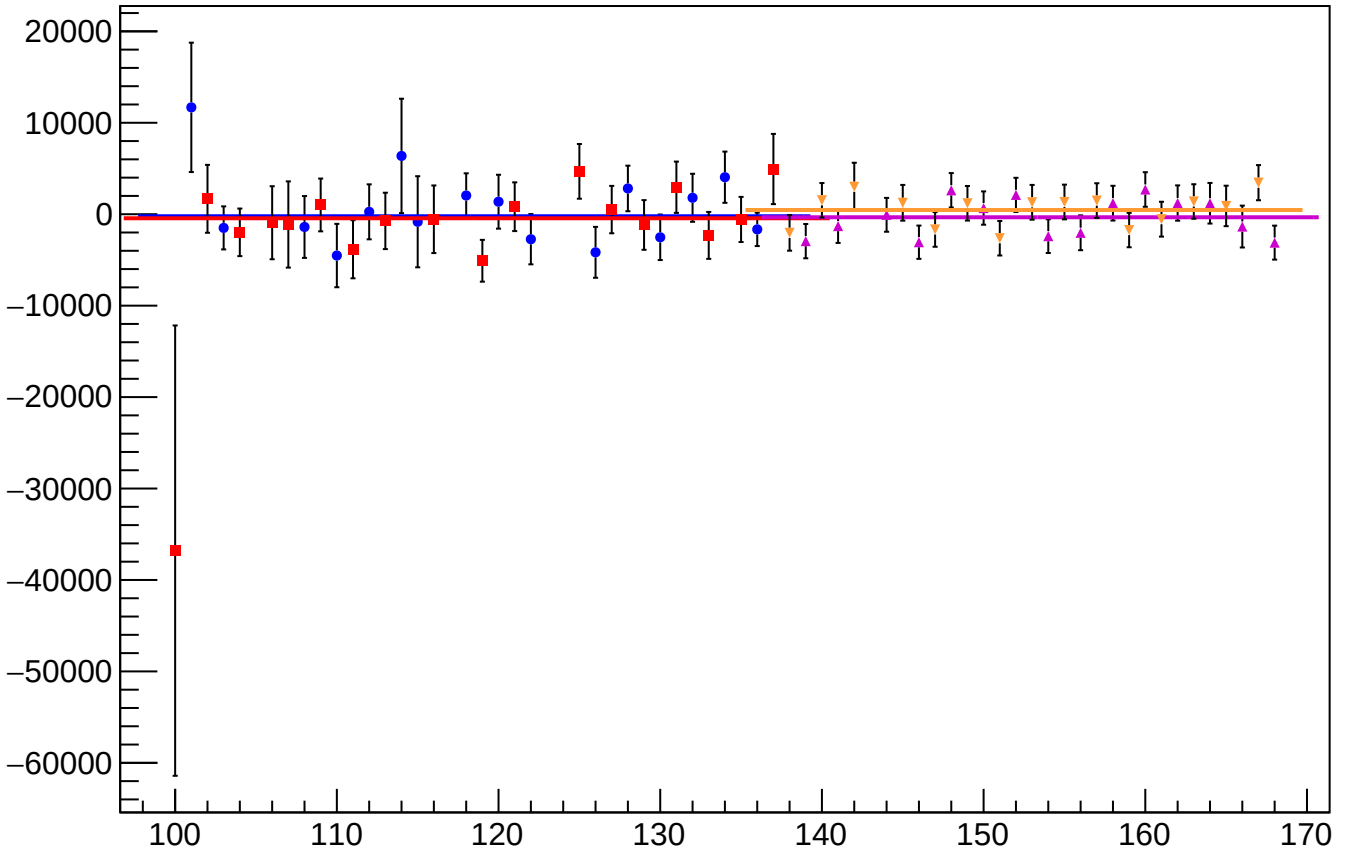
Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 949.012+/-0.192 χ^2/NDF:291889.0/14

+ sign 1040.775+/-0.176 χ^2/NDF: 2631464.5/30

All: 1043.980+/-0.124 χ^2/NDF: 5422910.0/63

- sign 1047.133+/-0.174 χ^2/NDF: 2790784.4/32



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 458.324+/-504.006 χ^2/NDF:12.2/14

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

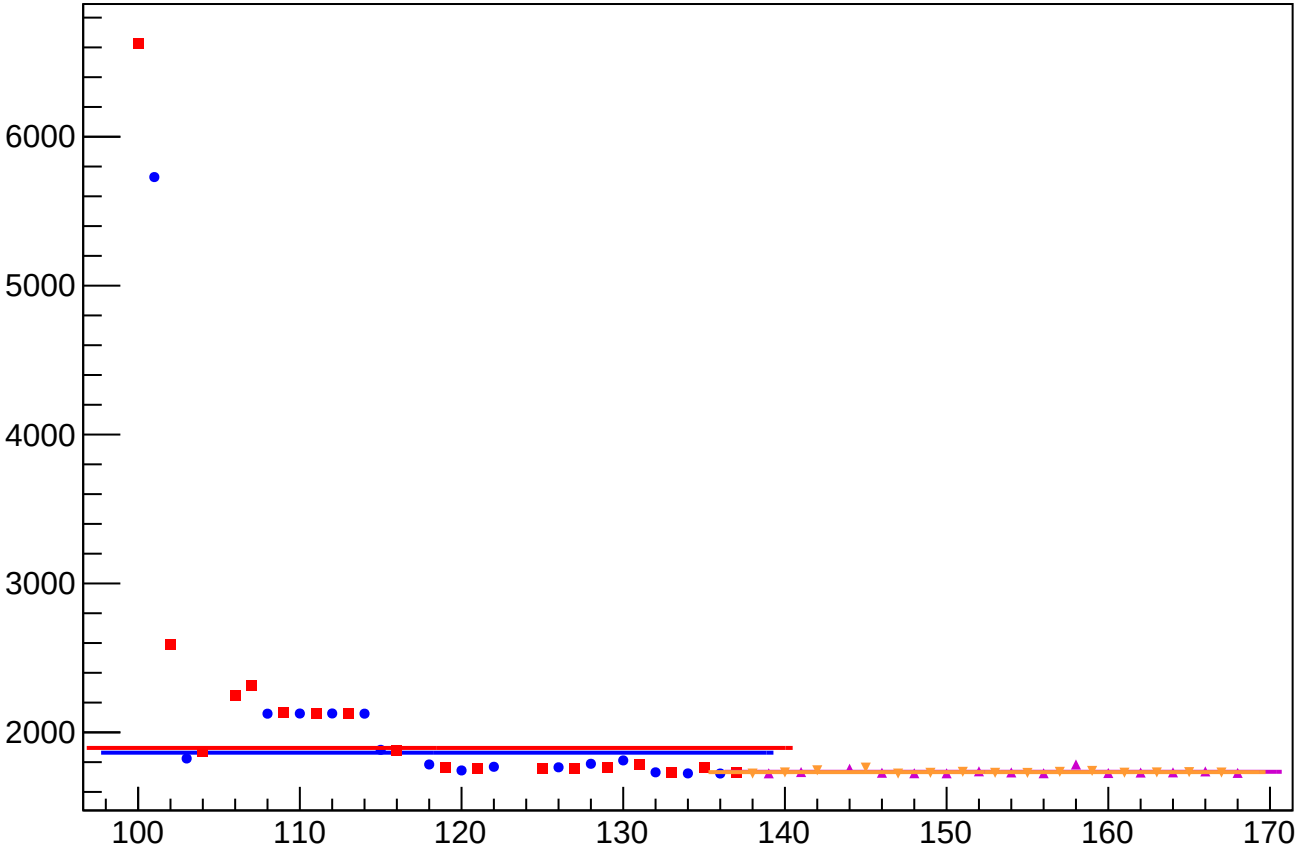
Left In: -333.580+/-492.531 χ^2/NDF:17.8/14

+ sign 229.418+/-410.819 χ^2/NDF: 28.6/30

All: -73.829+/-288.508 χ^2/NDF: 63.3/63

- sign -368.927+/-405.261 χ^2/NDF: 33.6/32

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.035+/-0.356 χ^2/NDF:718.1/14

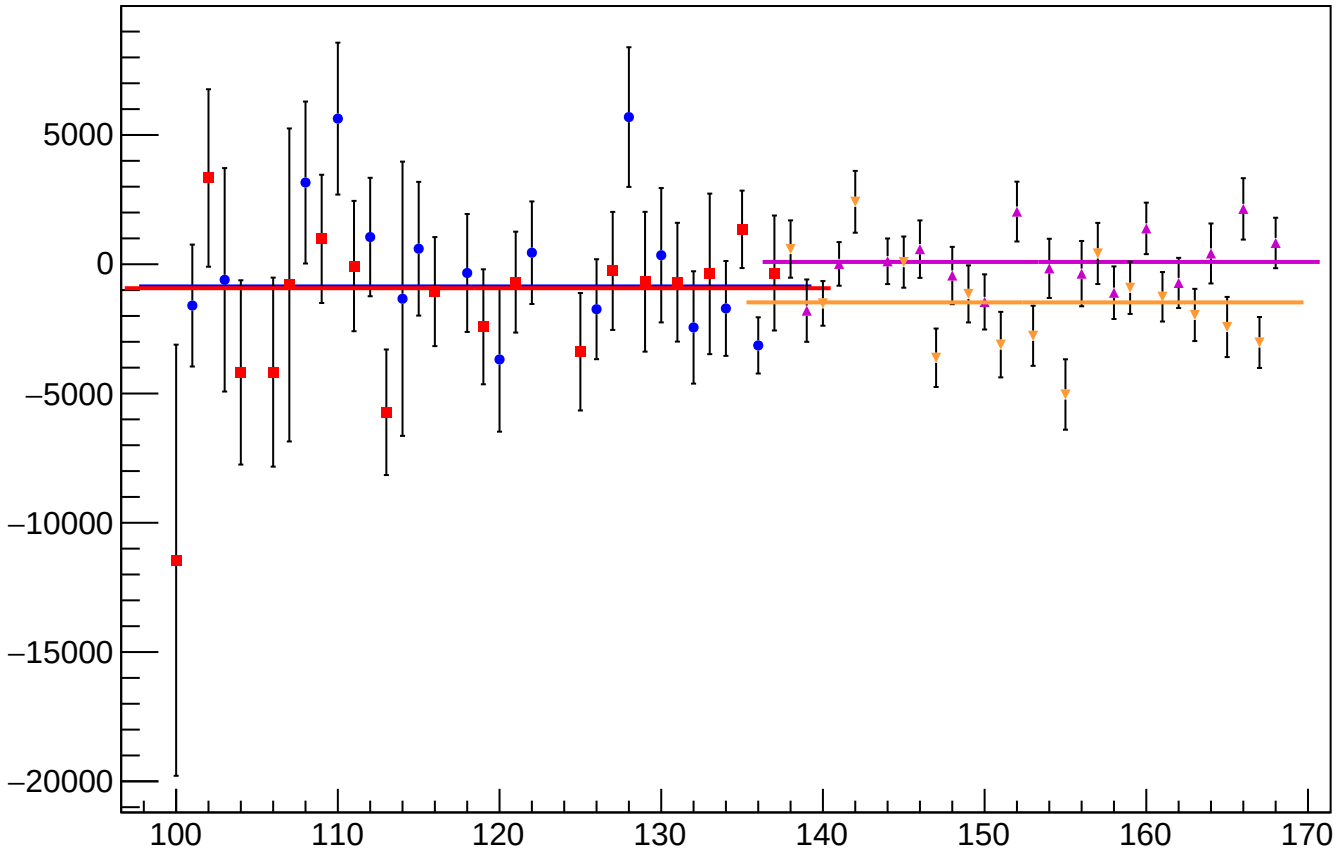
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.241+/-0.348 χ^2/NDF:1942.8/14

+ sign 1776.846+/-0.290 χ^2/NDF: 720413.9/30

All: 1781.992+/-0.204 χ^2/NDF: 1050528.1/63

- sign 1786.998+/-0.287 χ^2/NDF: 329495.2/32



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1475.246+/-278.255 χ^2/NDF:36.2/14

Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

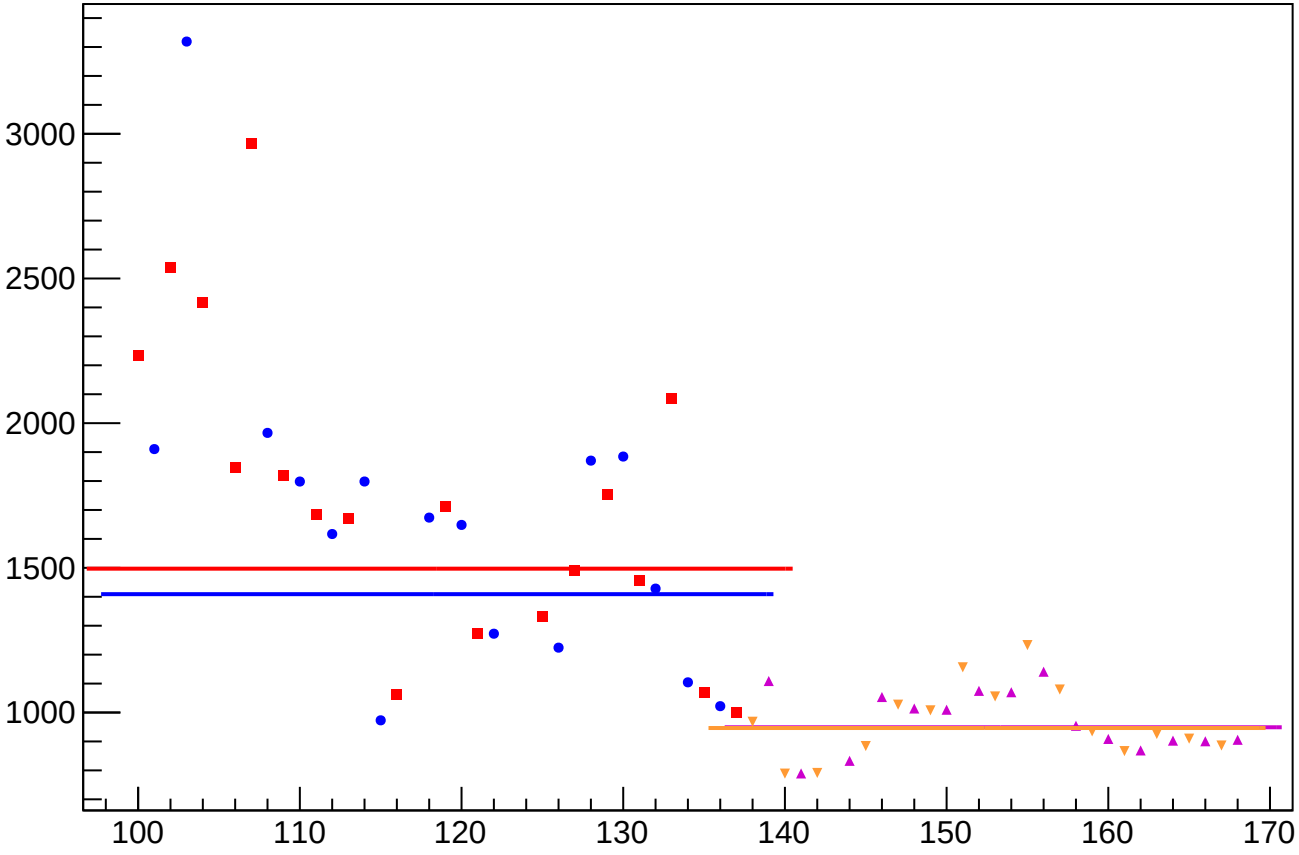
Left In: 88.784+/-271.581 χ^2/NDF:15.4/14

+ sign -1349.388+/-248.265 χ^2/NDF: 57.9/30

All: -715.457+/-174.859 χ^2/NDF: 102.2/63

- sign -91.412+/-246.322 χ^2/NDF: 31.4/32

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: 946.433+/-0.197 χ^2/NDF:336195.9/14

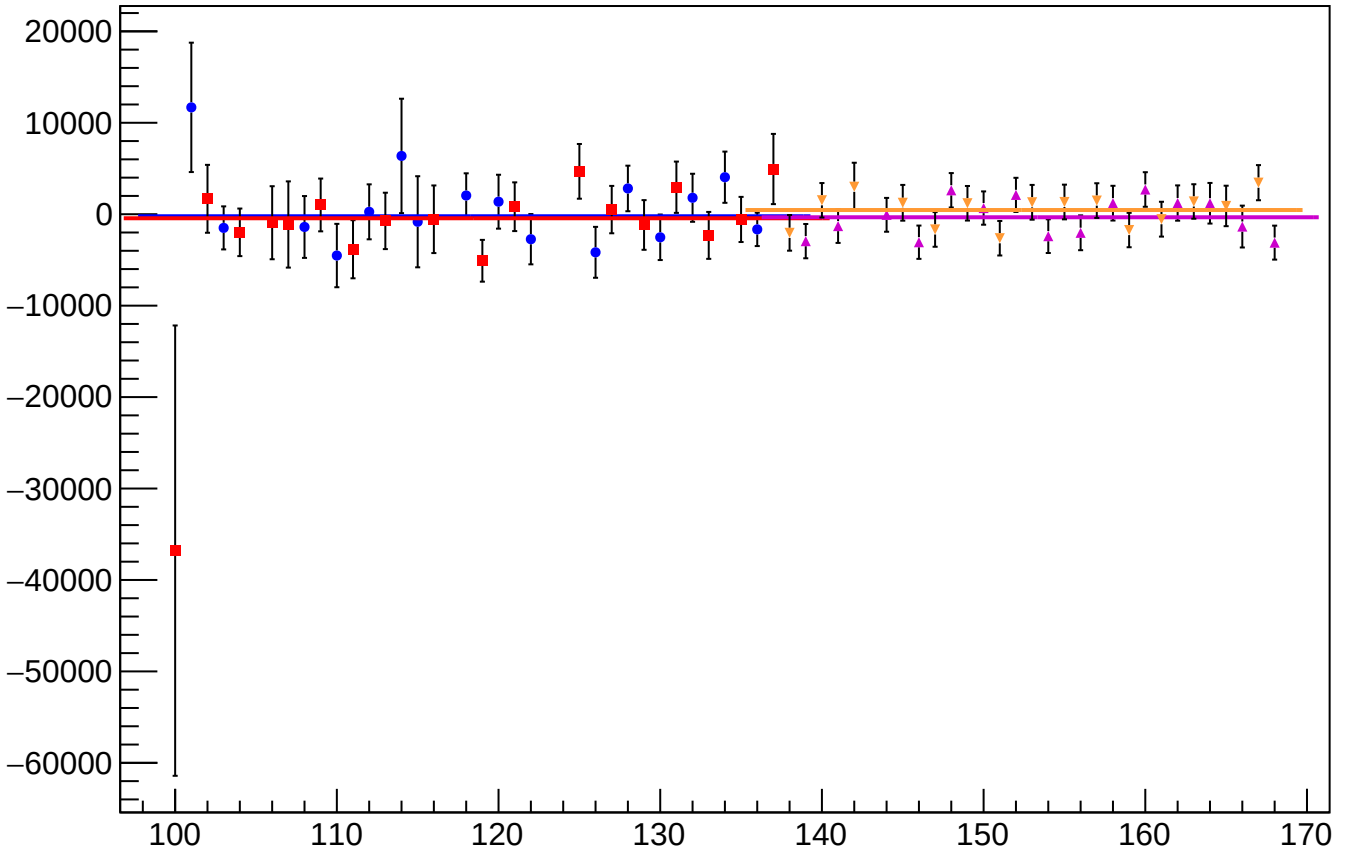
Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 949.007+/-0.192 χ^2/NDF:291906.3/14

+ sign 1040.773+/-0.176 χ^2/NDF: 2630540.7/30

All: 1043.521+/-0.124 χ^2/NDF: 5386102.0/63

- sign 1046.227+/-0.174 χ^2/NDF: 2755075.0/32



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 458.324+/-504.006 χ^2/NDF:12.2/14

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

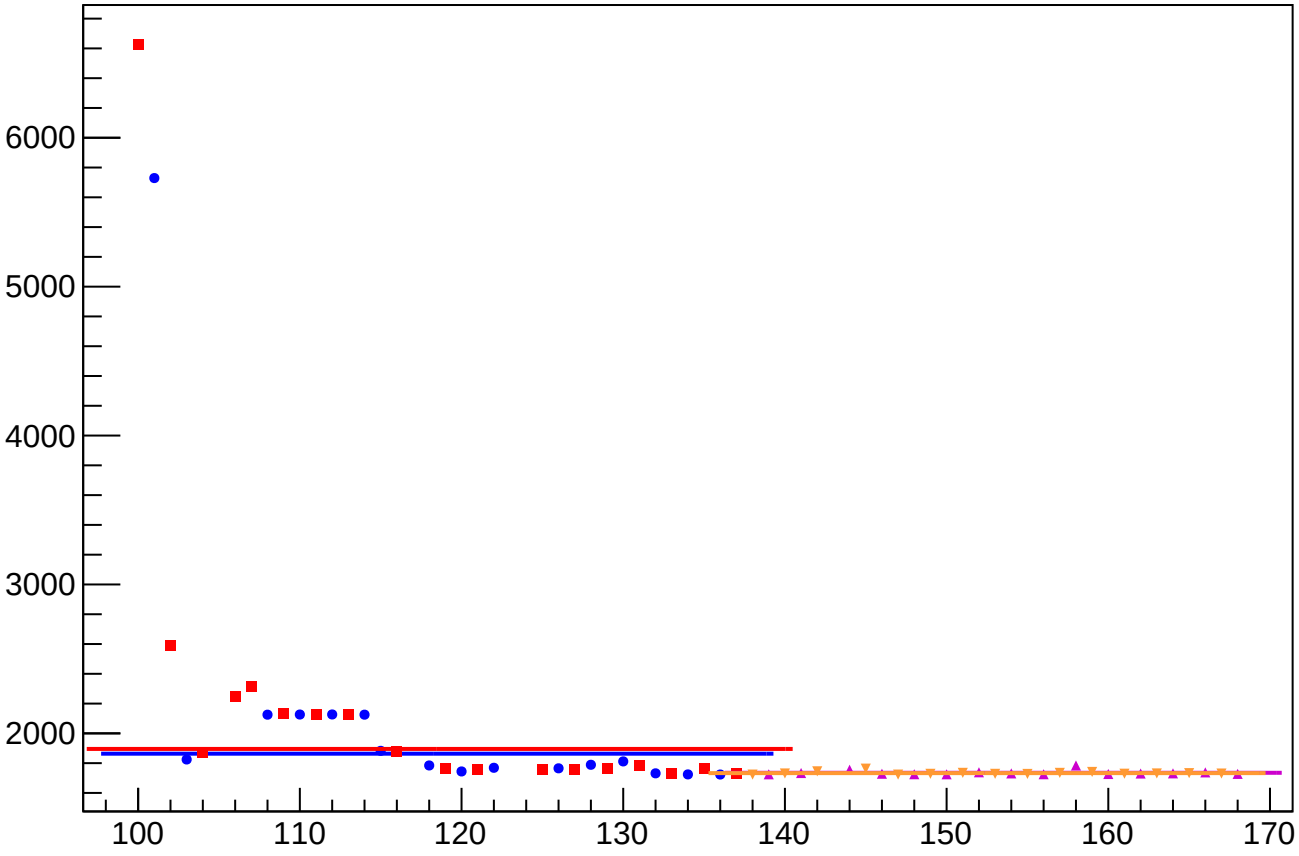
Left In: -333.580+/-492.531 χ^2/NDF:17.8/14

+ sign 229.418+/-410.819 χ^2/NDF: 28.6/30

All: -73.829+/-288.508 χ^2/NDF: 63.3/63

- sign -368.927+/-405.261 χ^2/NDF: 33.6/32

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: 1733.035+/-0.356 χ^2/NDF:718.1/14

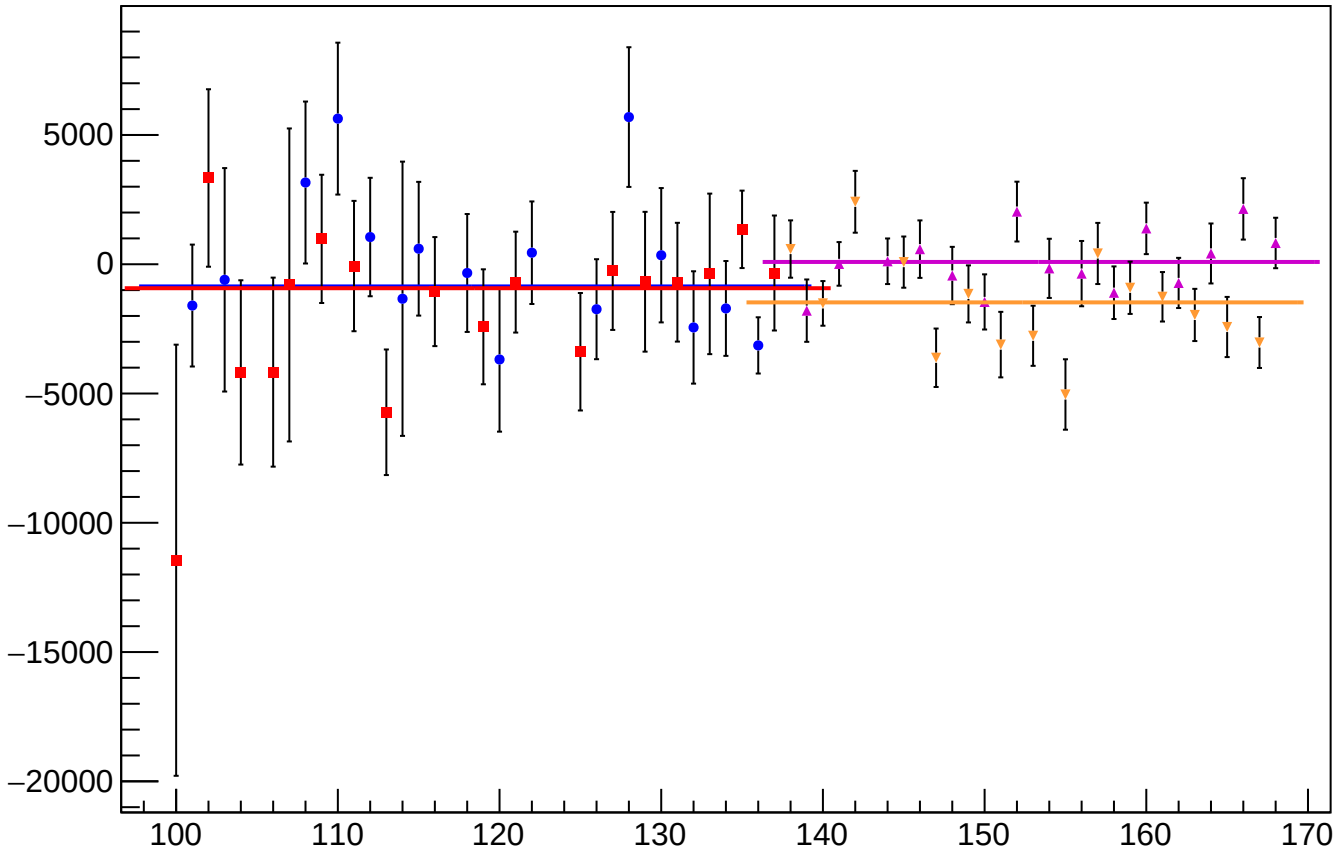
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.241+/-0.348 χ^2/NDF:1942.8/14

+ sign 1776.846+/-0.290 χ^2/NDF: 720413.9/30

All: 1781.992+/-0.204 χ^2/NDF: 1050528.1/63

- sign 1786.998+/-0.287 χ^2/NDF: 329495.2/32



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1475.246+/-278.255 χ^2/NDF:36.2/14

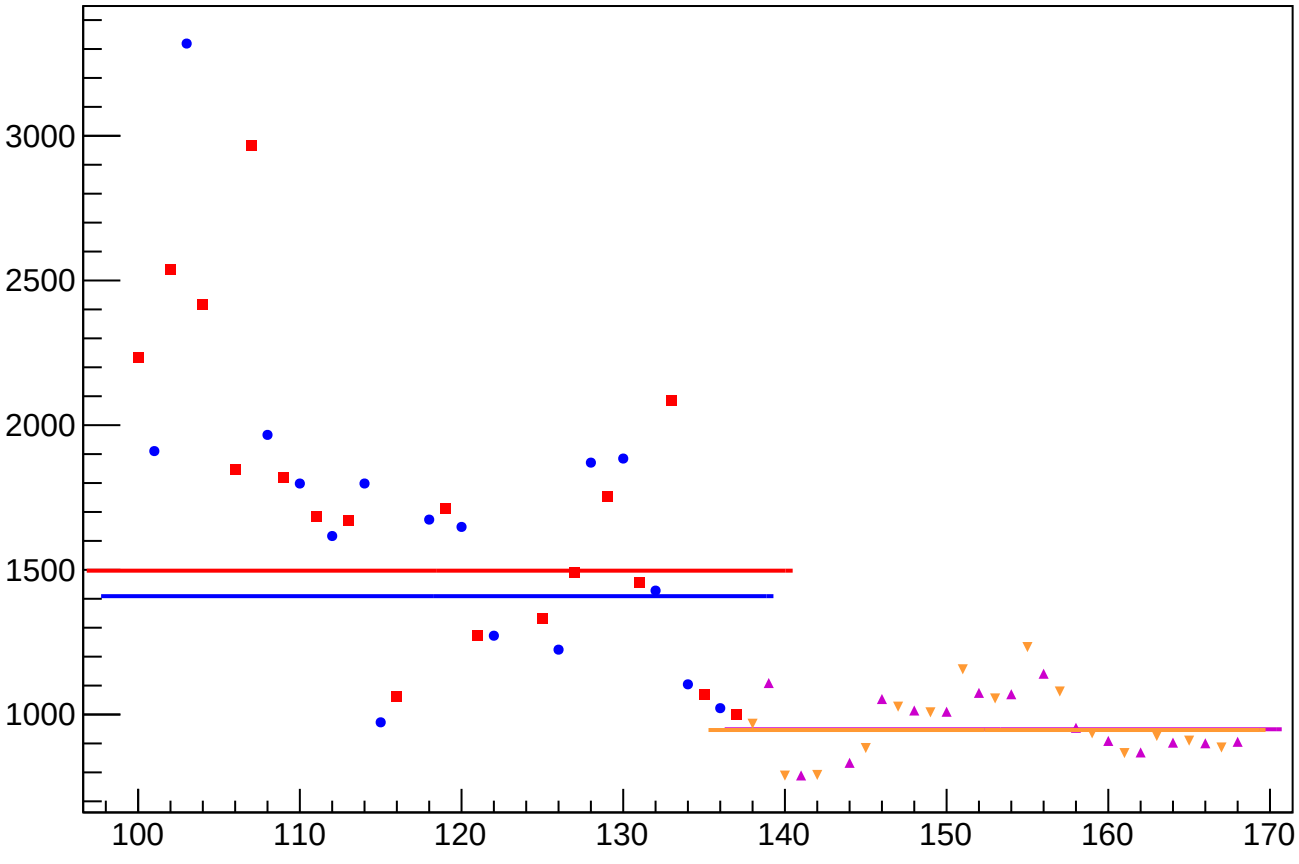
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 88.784+/-271.581 χ^2/NDF:15.4/14

+ sign -1349.388+/-248.265 χ^2/NDF: 57.9/30

All: -715.457+/-174.859 χ^2/NDF: 102.2/63

- sign -91.412+/-246.322 χ^2/NDF: 31.4/32



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 946.433+/-0.197 χ^2/NDF:336195.9/14

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

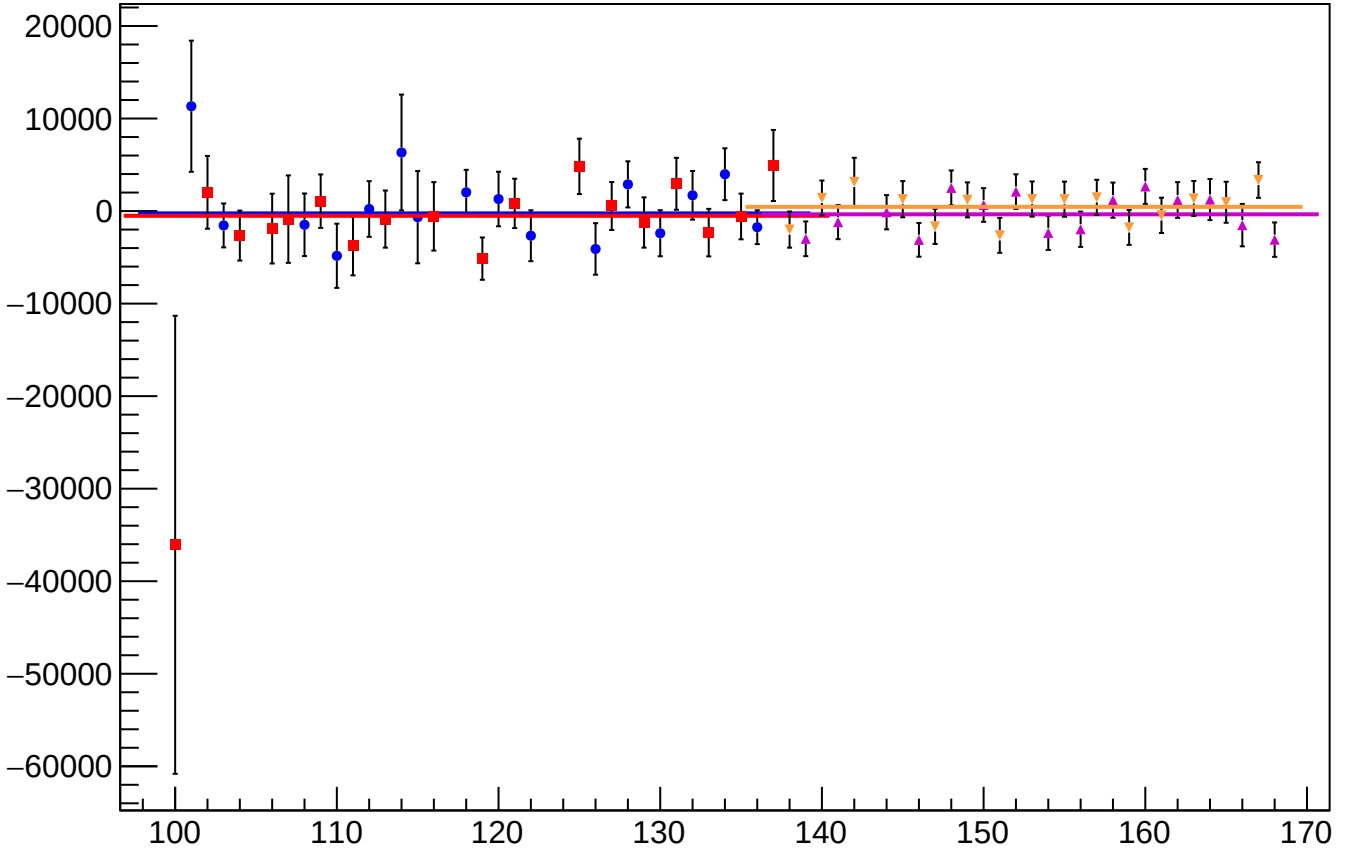
Left In: 949.007+/-0.192 χ^2/NDF:291906.3/14

+ sign 1040.773+/-0.176 χ^2/NDF: 2630540.7/30

All: 1043.521+/-0.124 χ^2/NDF: 5386102.0/63

- sign 1046.227+/-0.174 χ^2/NDF: 2755075.0/32

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 454.564+/-504.214 χ^2/NDF:12.0/14

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

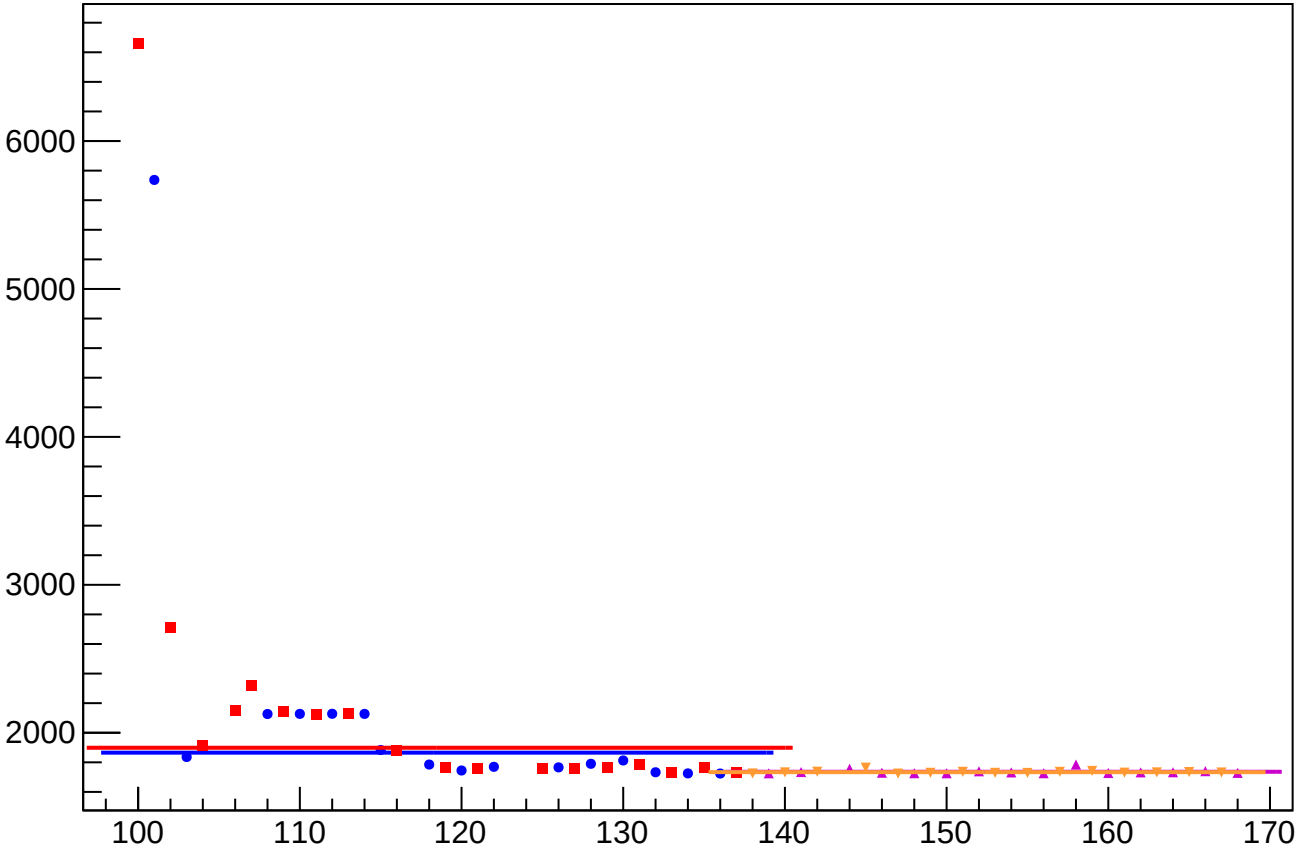
Left In: -350.137+/-492.810 χ^2/NDF:17.5/14

+ sign 217.667+/-411.091 χ^2/NDF: 28.3/30

All: -95.950+/-288.813 χ^2/NDF: 63.4/63

- sign -401.617+/-405.846 χ^2/NDF: 34.0/32

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.708+/-0.357 χ^2/NDF:665.4/14

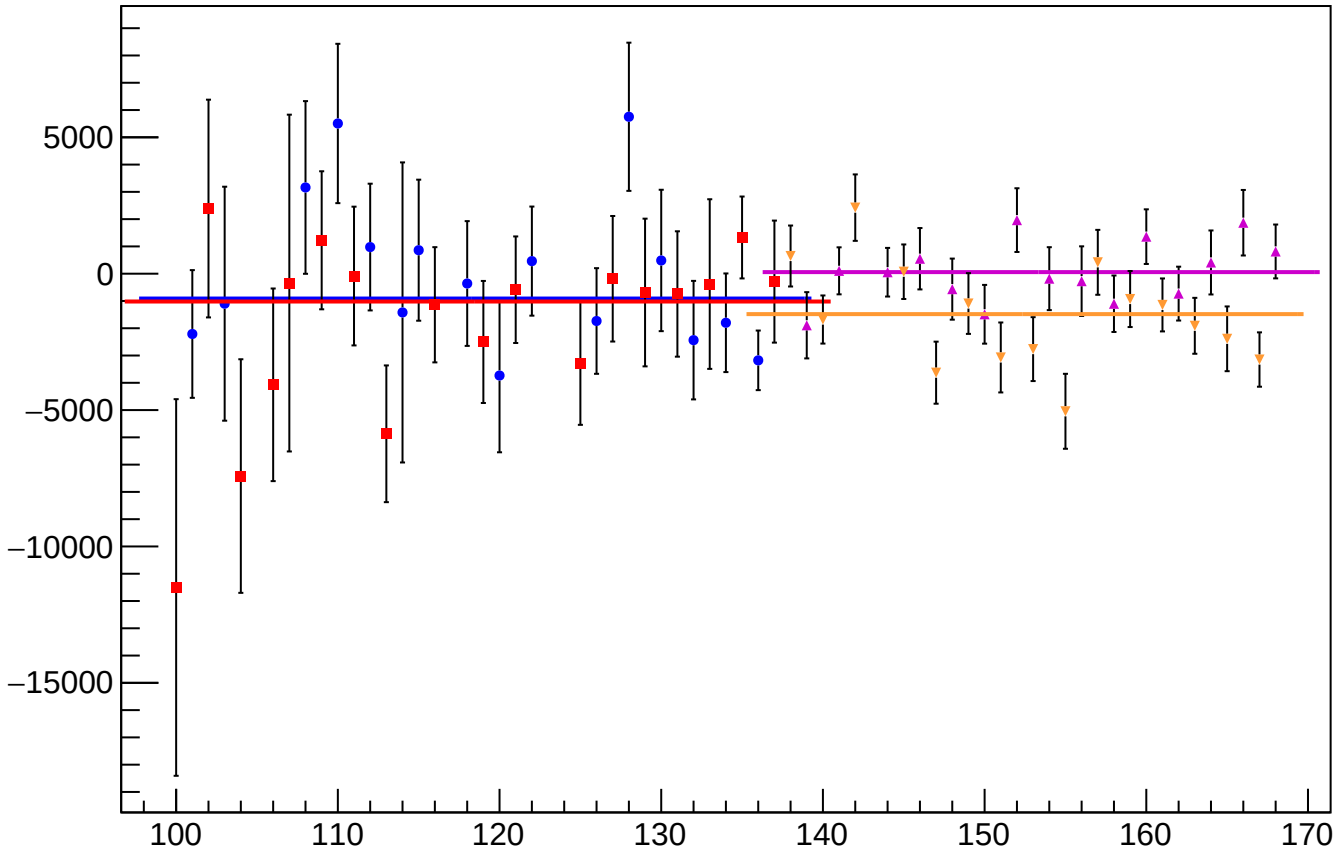
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1736.226+/-0.348 χ^2/NDF:1936.2/14

+ sign 1777.874+/-0.291 χ^2/NDF: 721424.3/30

All: 1783.244+/-0.204 χ^2/NDF: 1063014.8/63

- sign 1788.478+/-0.287 χ^2/NDF: 340916.6/32



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1482.097+/-281.830 χ^2/NDF:36.0/14

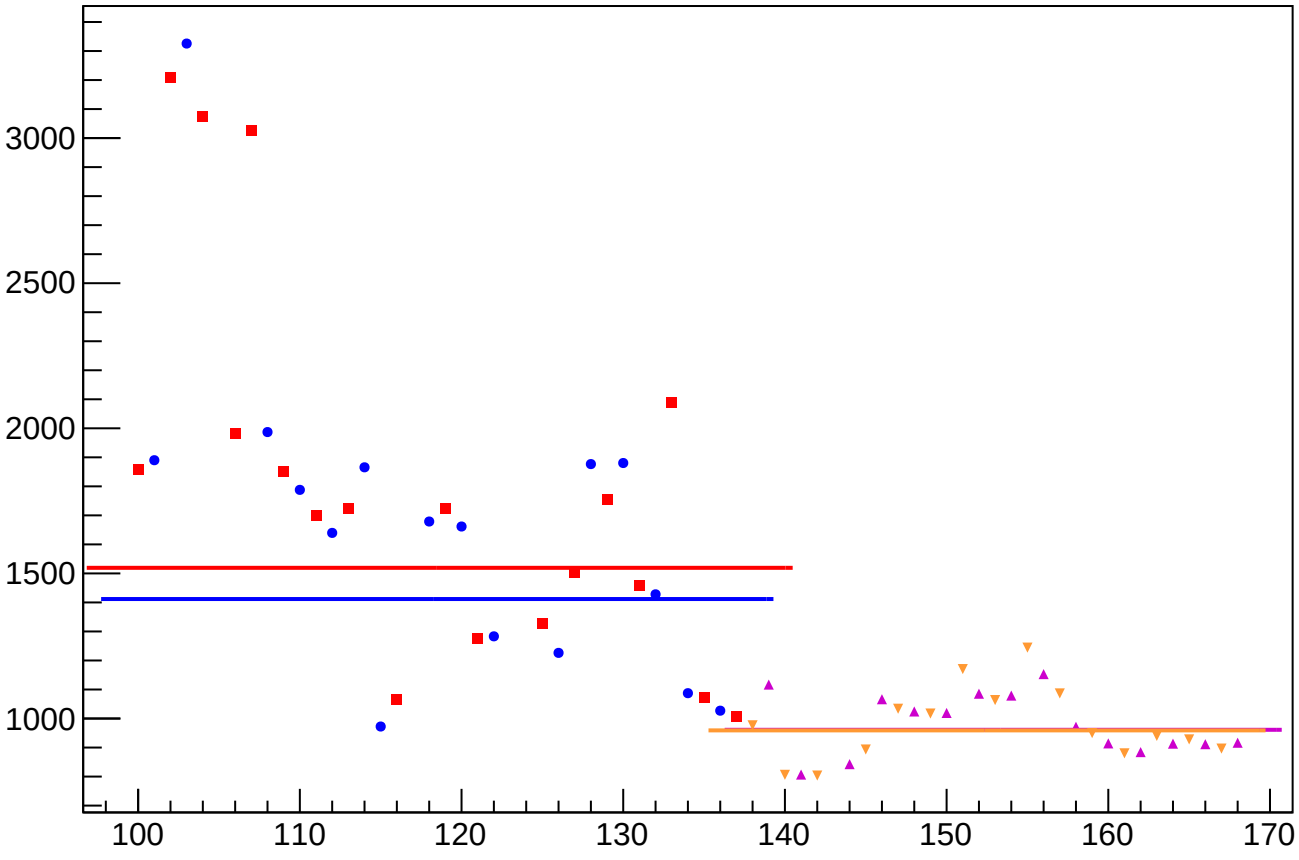
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 58.031+/-274.916 χ^2/NDF:14.4/14

+ sign -1363.604+/-250.897 χ^2/NDF: 57.9/30

All: -744.625+/-176.848 χ^2/NDF: 102.1/63

- sign -133.443+/-249.312 χ^2/NDF: 32.1/32



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 959.161+/-0.199 χ^2/NDF:318759.9/14

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

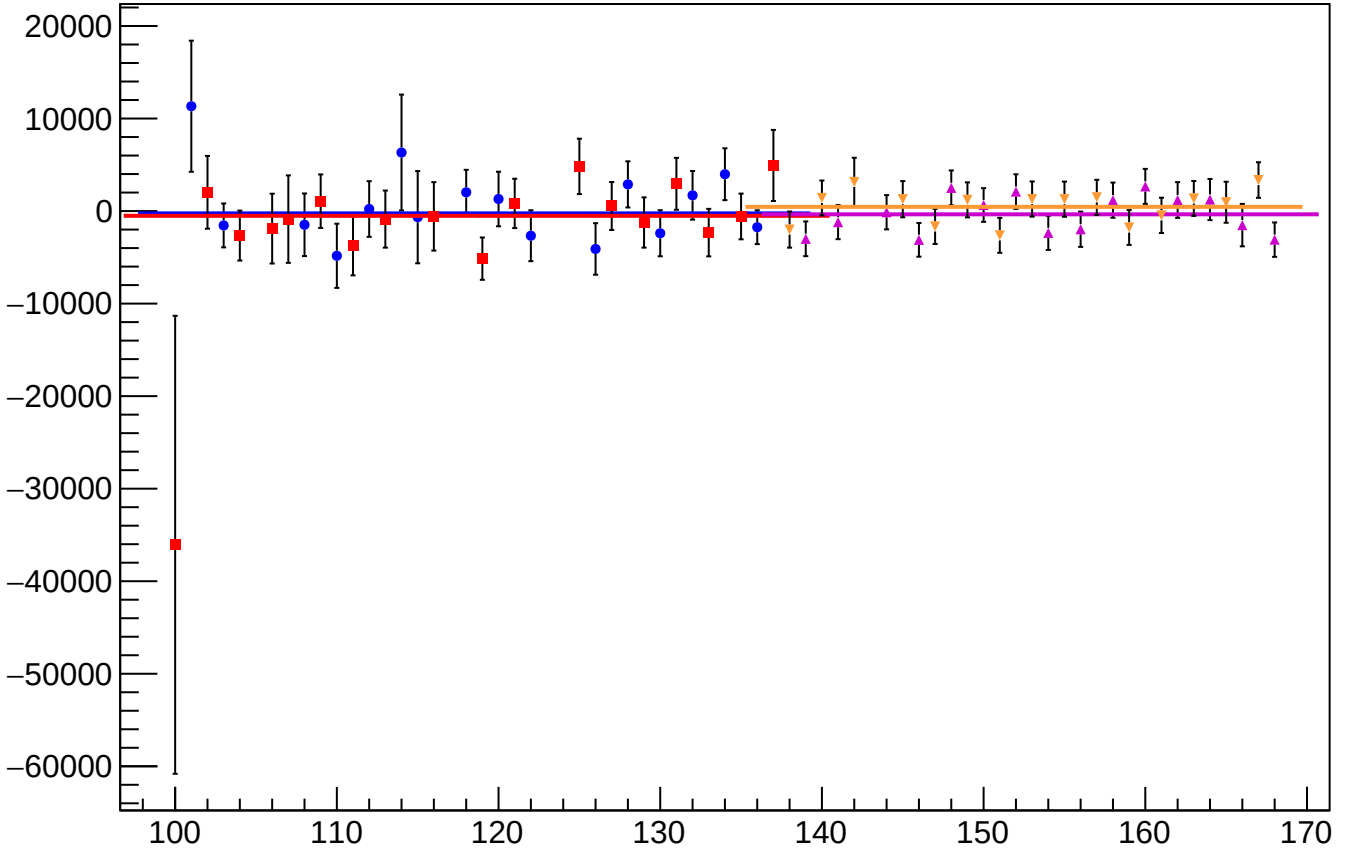
Left In: 961.171+/-0.194 χ^2/NDF:278153.6/14

+ sign 1053.058+/-0.177 χ^2/NDF: 2566561.8/30

All: 1056.698+/-0.125 χ^2/NDF: 5669681.0/63

- sign 1060.293+/-0.176 χ^2/NDF: 3102282.4/32

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 454.564+/-504.214 χ^2/NDF:12.0/14

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

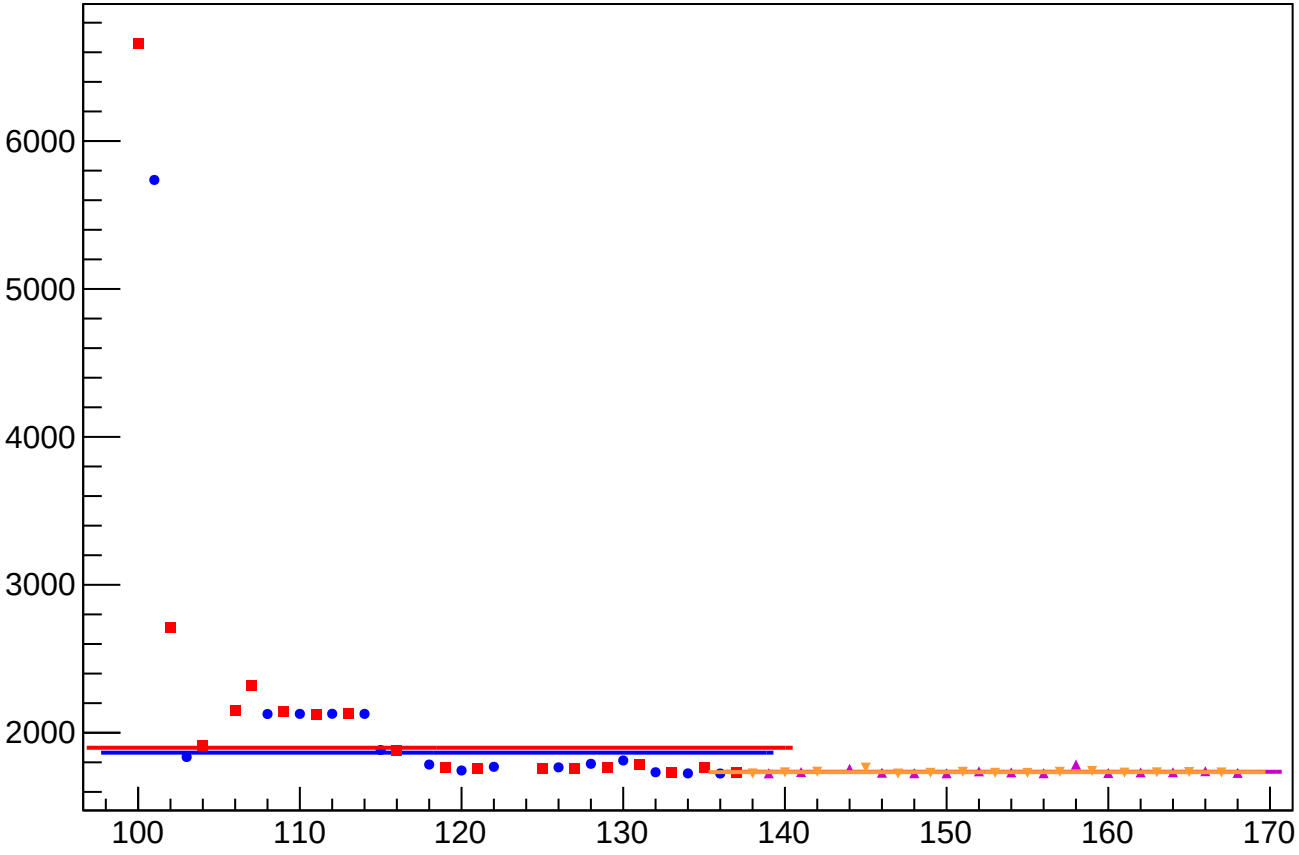
Left In: -350.137+/-492.810 χ^2/NDF:17.5/14

+ sign 217.668+/-411.091 χ^2/NDF: 28.3/30

All: -95.950+/-288.813 χ^2/NDF: 63.4/63

- sign -401.617+/-405.846 χ^2/NDF: 34.0/32

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: 1733.708+/-0.357 χ^2/NDF:665.4/14

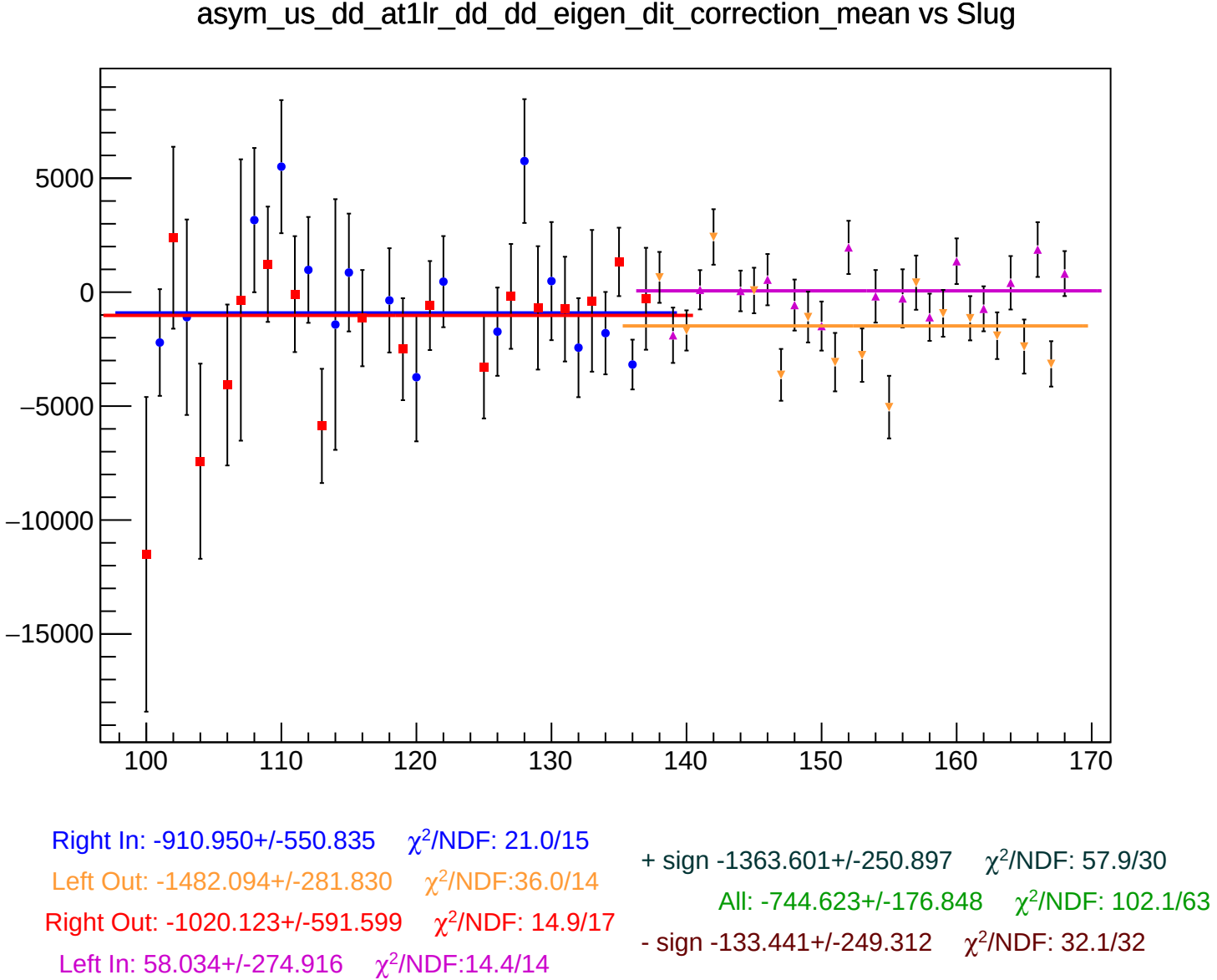
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

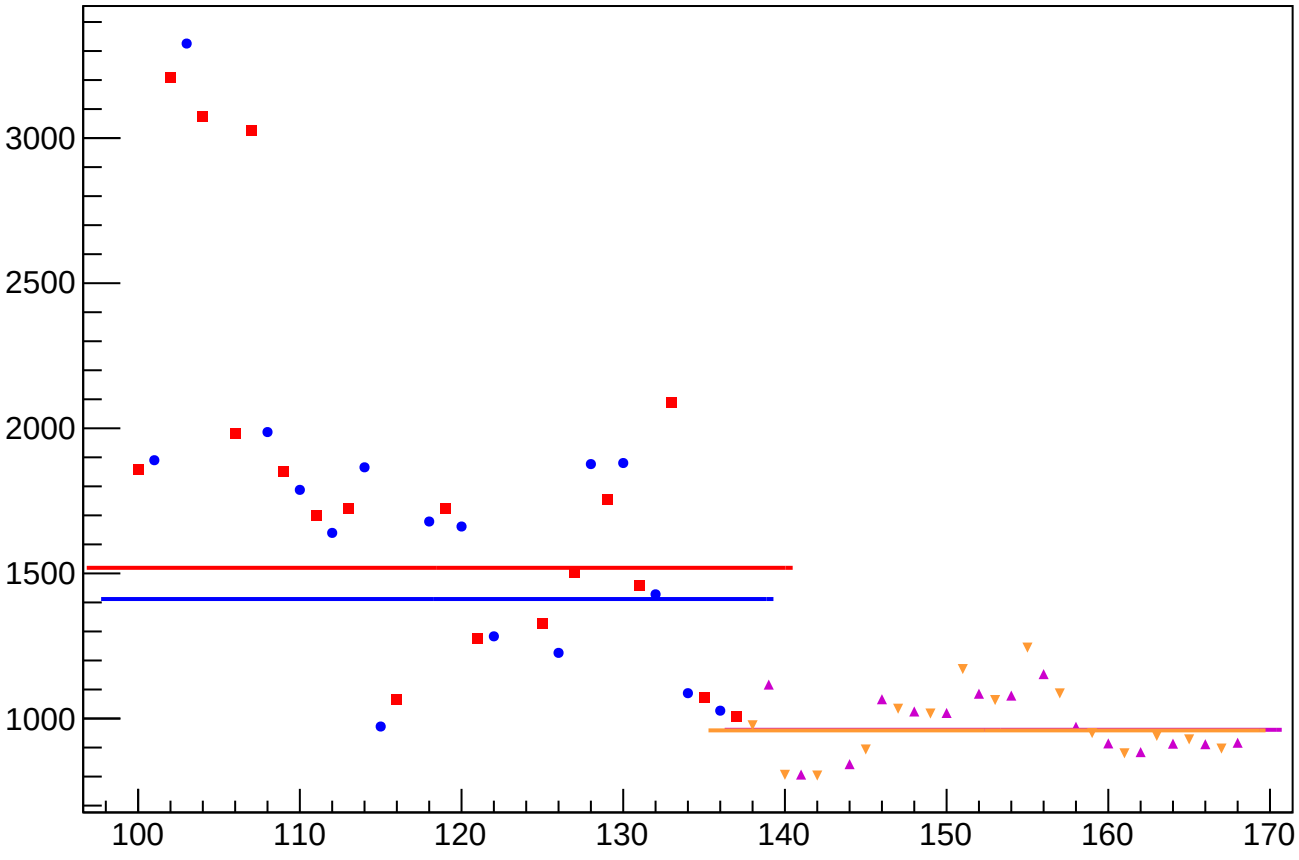
Left In: 1736.226+/-0.348 χ^2/NDF:1936.2/14

+ sign 1777.874+/-0.291 χ^2/NDF: 721424.3/30

All: 1783.244+/-0.204 χ^2/NDF: 1063014.5/63

- sign 1788.478+/-0.287 χ^2/NDF: 340916.3/32


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -910.950+/-550.835 χ²/NDF: 21.0/15
Left Out: -1482.094+/-281.830 χ²/NDF:36.0/14
Right Out: -1020.123+/-591.599 χ²/NDF: 14.9/17
Left In: 58.034+/-274.916 χ²/NDF:14.4/14
+ sign -1363.601+/-250.897 χ²/NDF: 57.9/30
All: -744.623+/-176.848 χ²/NDF: 102.1/63
- sign -133.441+/-249.312 χ²/NDF: 32.1/32



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 959.161+/-0.199 χ^2/NDF:318769.1/14

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

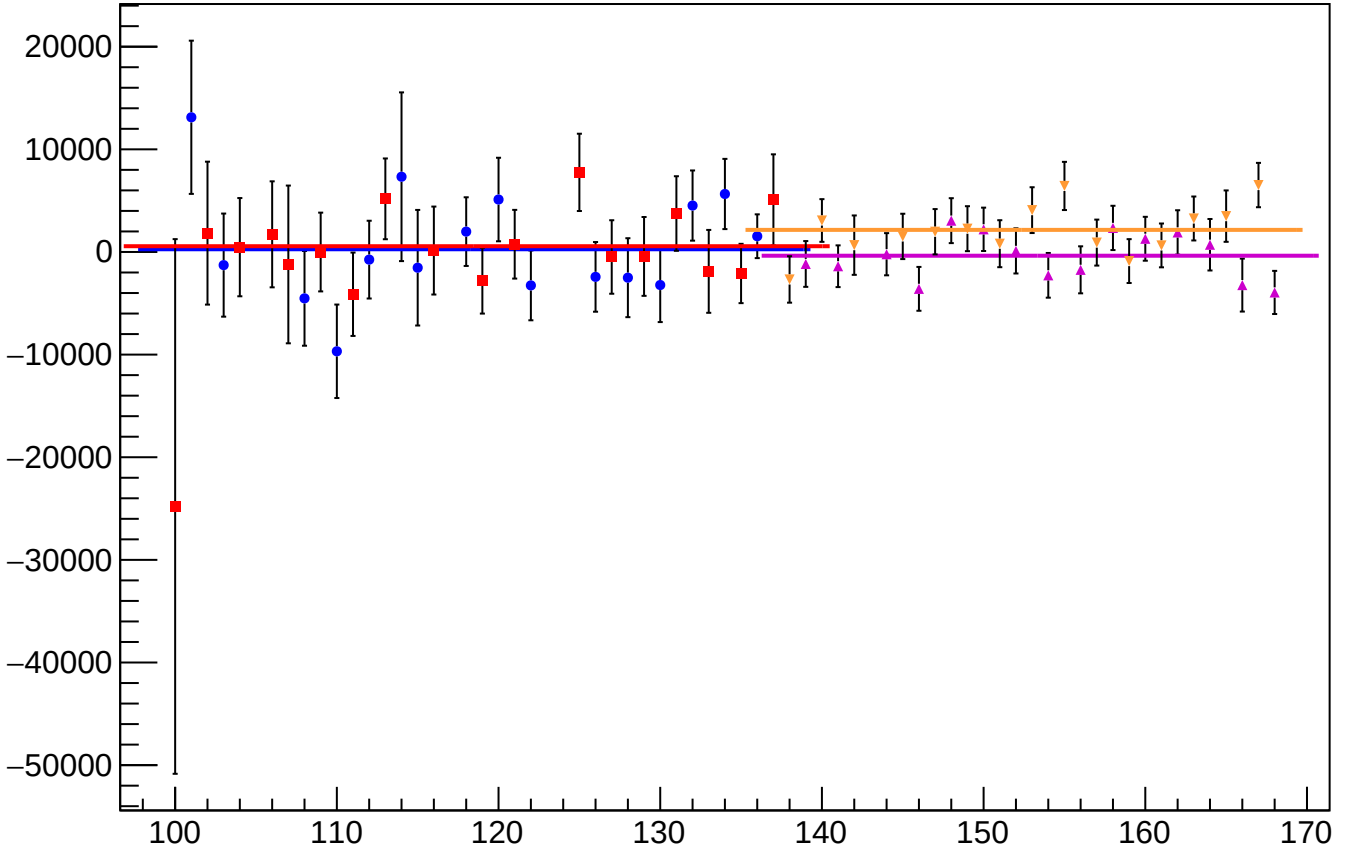
Left In: 961.171+/-0.194 χ^2/NDF:278161.8/14

+ sign 1053.057+/-0.177 χ^2/NDF: 2566562.4/30

All: 1056.698+/-0.125 χ^2/NDF: 5669685.0/63

- sign 1060.293+/-0.176 χ^2/NDF: 3102285.6/32

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 2152.161+/-580.499 χ^2/NDF:17.0/14

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

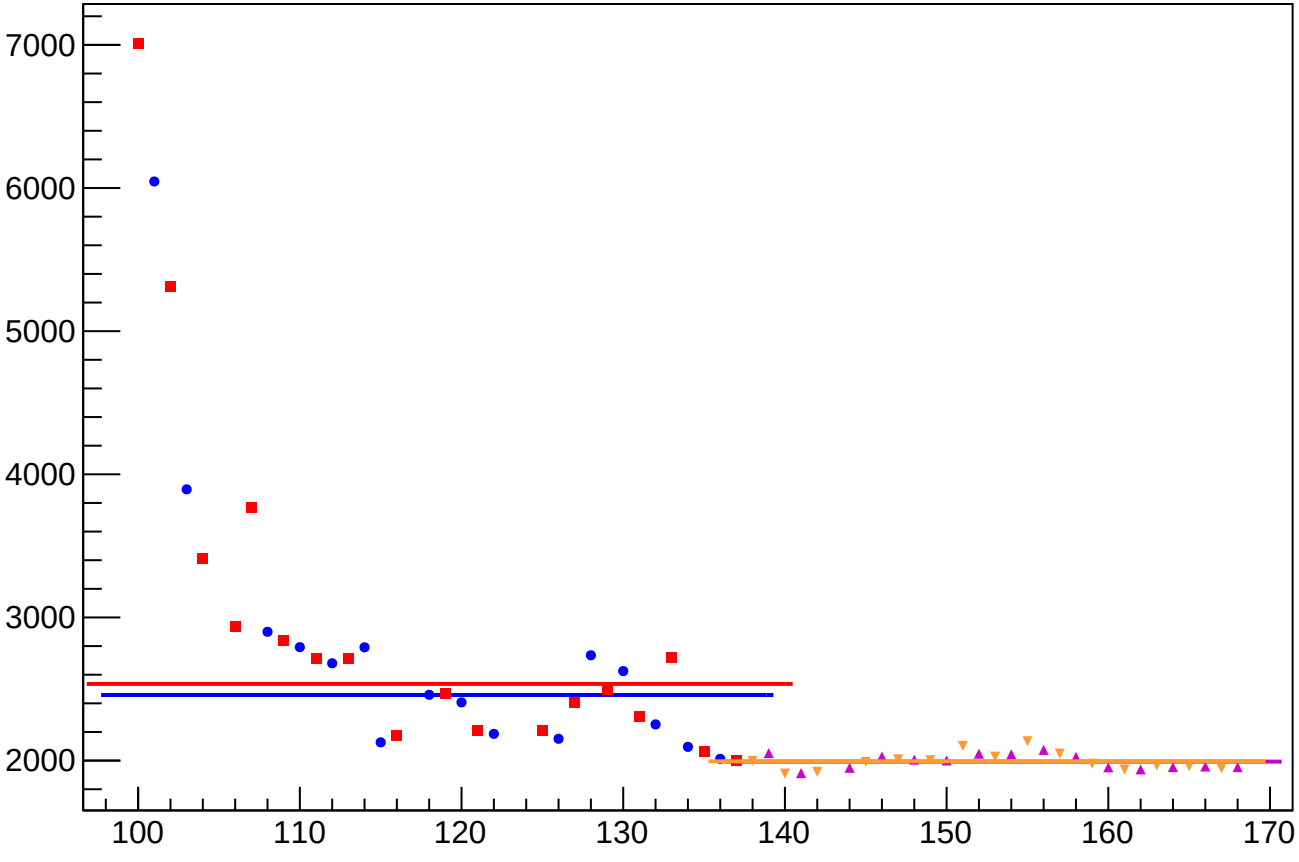
Left In: -365.405+/-565.891 χ^2/NDF:15.4/14

+ sign 1632.567+/-494.195 χ^2/NDF: 38.9/30

All: 741.166+/-347.195 χ^2/NDF: 73.1/63

- sign -127.605+/-487.882 χ^2/NDF: 27.8/32

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1994.778+/-0.410 χ^2/NDF:21285.4/14

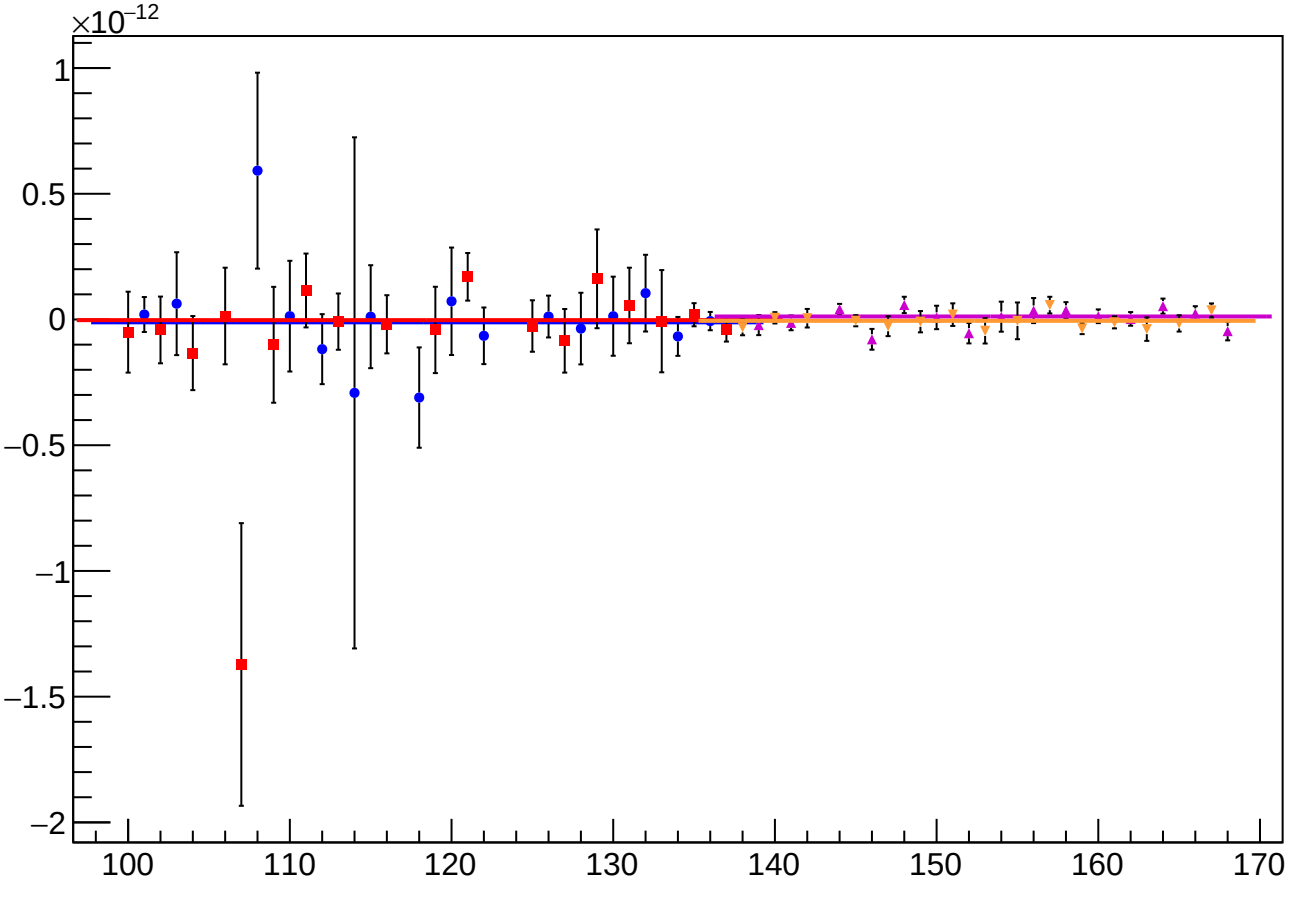
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1992.909+/-0.400 χ^2/NDF:14925.1/14

+ sign 2122.367+/-0.349 χ^2/NDF: 1205201.8/30

All: 2127.380+/-0.246 χ^2/NDF: 2366359.2/63

- sign 2132.266+/-0.345 χ^2/NDF: 1160751.0/32



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/14

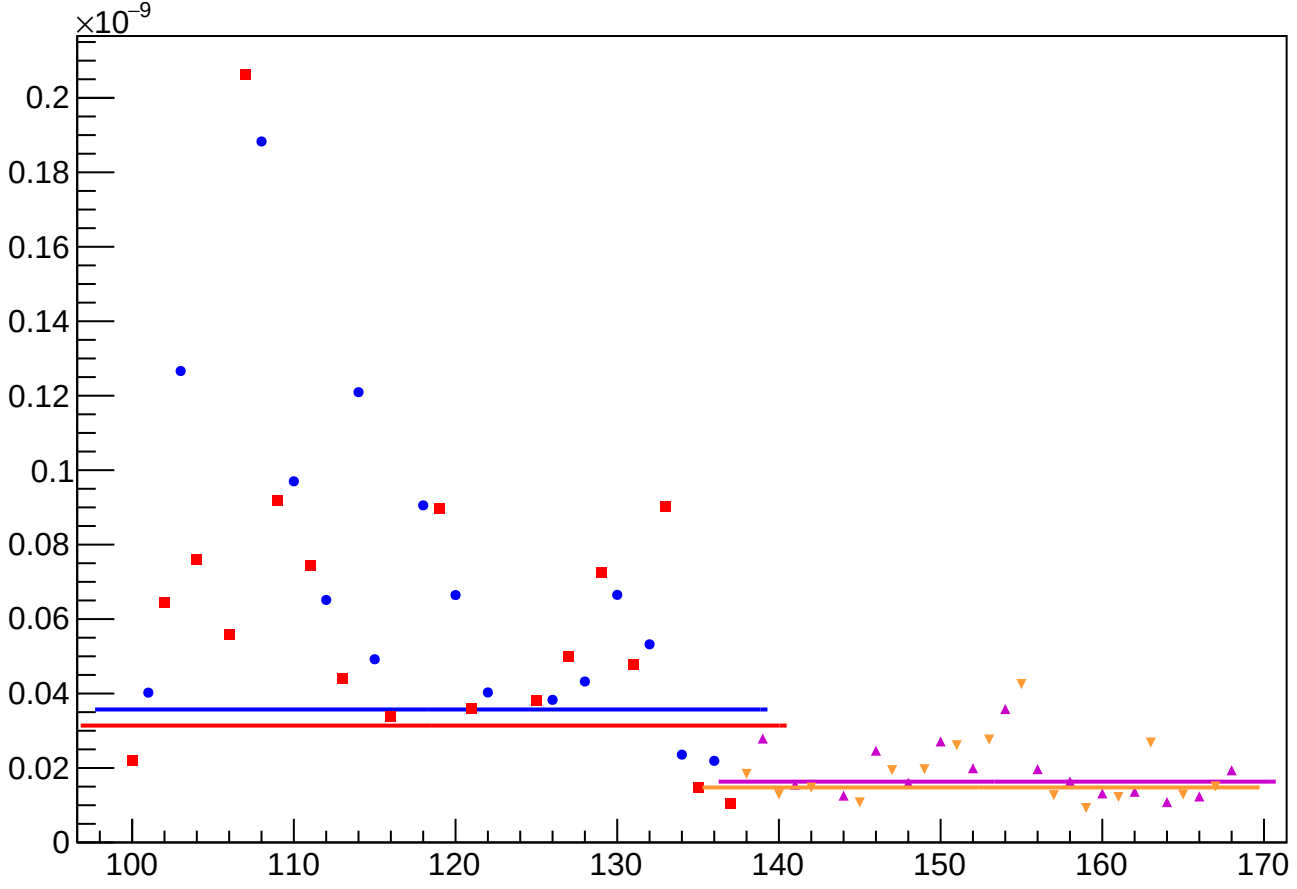
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:18.3/14

+ sign -0.000+/-0.000 χ^2/NDF: 18.0/30

All: 0.000+/-0.000 χ^2/NDF: 52.0/63

- sign 0.000+/-0.000 χ^2/NDF: 31.9/32



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1001206.6/14

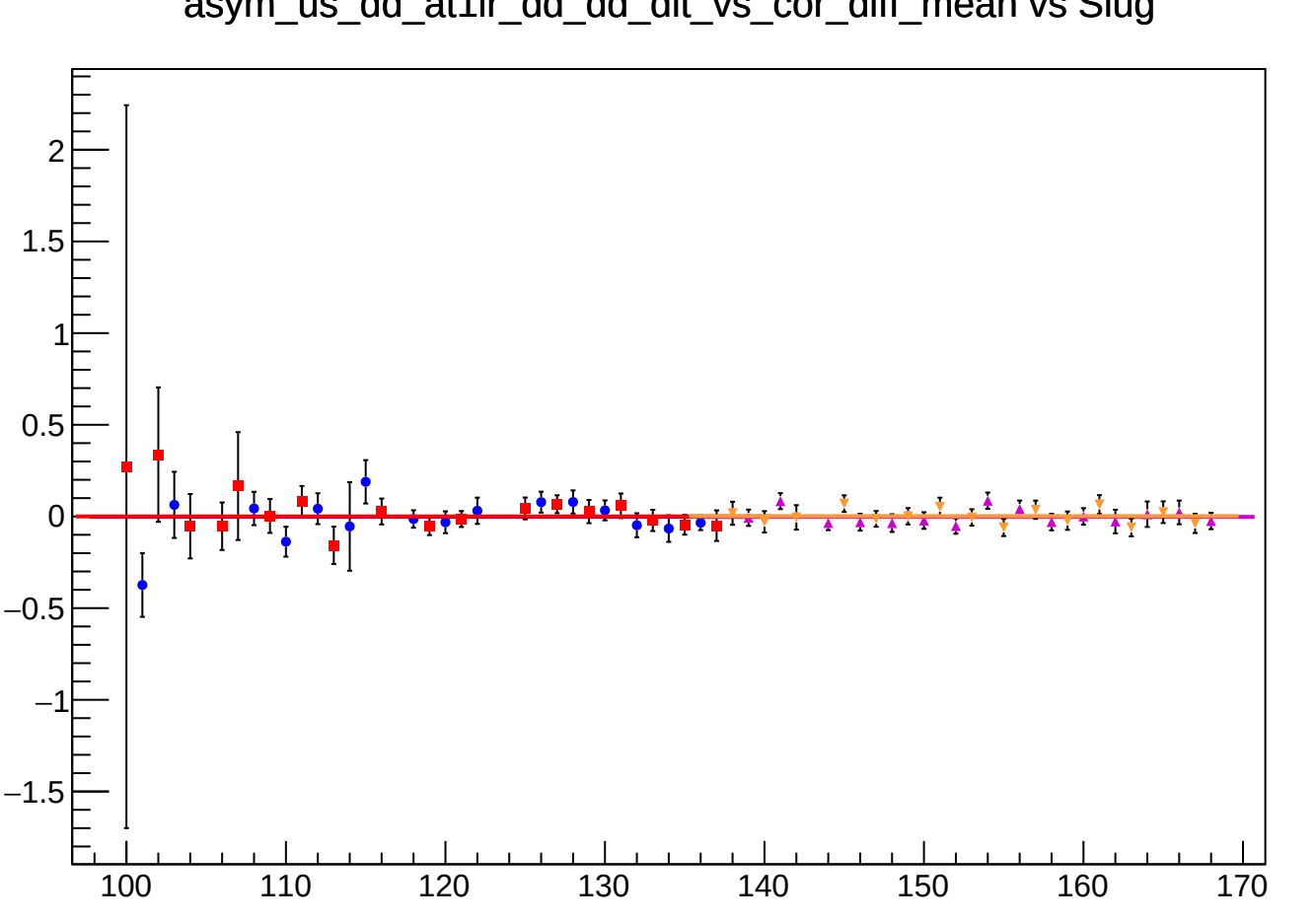
Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:824913.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 3936190.8/30

All: 0.000+/-0.000 χ^2/NDF: 7531880.9/63

- sign 0.000+/-0.000 χ^2/NDF: 3574328.4/32



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.002+/-0.013 χ^2/NDF:10.2/14

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

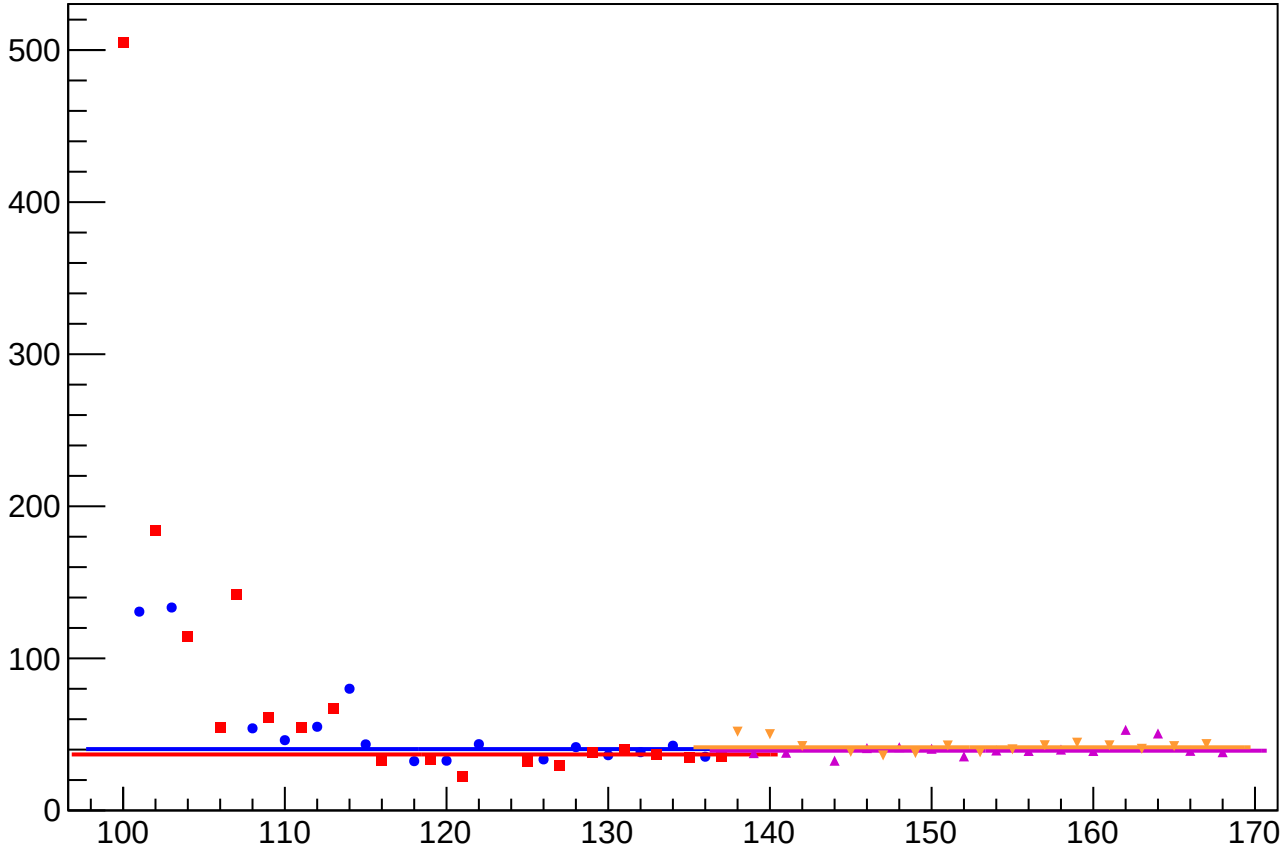
Left In: -0.002+/-0.012 χ^2/NDF:12.9/14

+ sign 0.001+/-0.010 χ^2/NDF: 27.3/30

All: -0.001+/-0.007 χ^2/NDF: 51.2/63

- sign -0.002+/-0.010 χ^2/NDF: 23.8/32

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.530+/-0.009 χ^2/NDF:179007.2/14

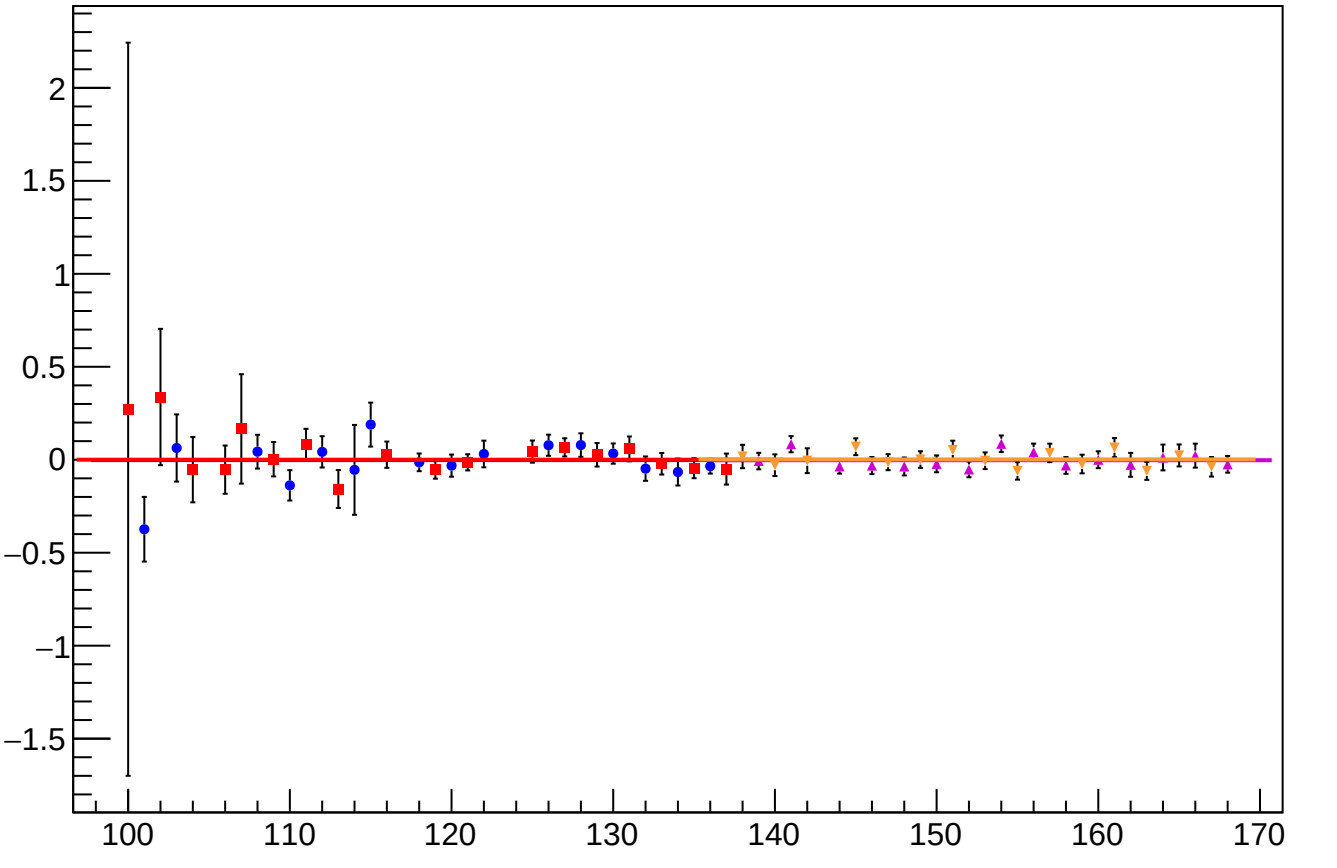
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.289+/-0.009 χ^2/NDF:232240.5/14

+ sign 41.098+/-0.007 χ^2/NDF: 1595174.9/30

All: 39.696+/-0.005 χ^2/NDF: 3762879.5/63

- sign 38.435+/-0.007 χ^2/NDF: 2097946.7/32



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.002+/-0.013 χ^2/NDF:10.2/14

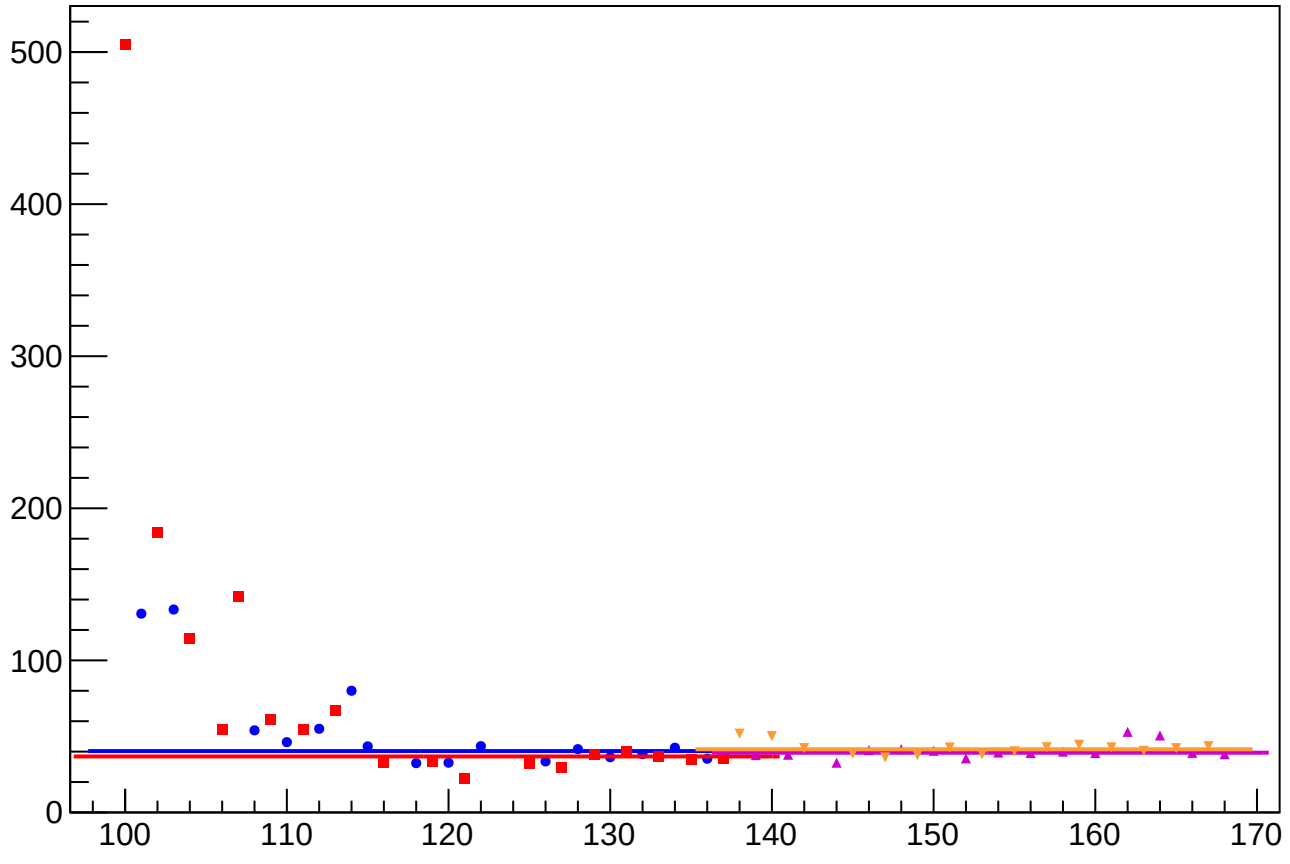
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.002+/-0.012 χ^2/NDF:12.9/14

+ sign 0.001+/-0.010 χ^2/NDF: 27.3/30

All: -0.001+/-0.007 χ^2/NDF: 51.2/63

- sign -0.002+/-0.010 χ^2/NDF: 23.8/32



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.530+/-0.009 χ^2/NDF:179007.2/14

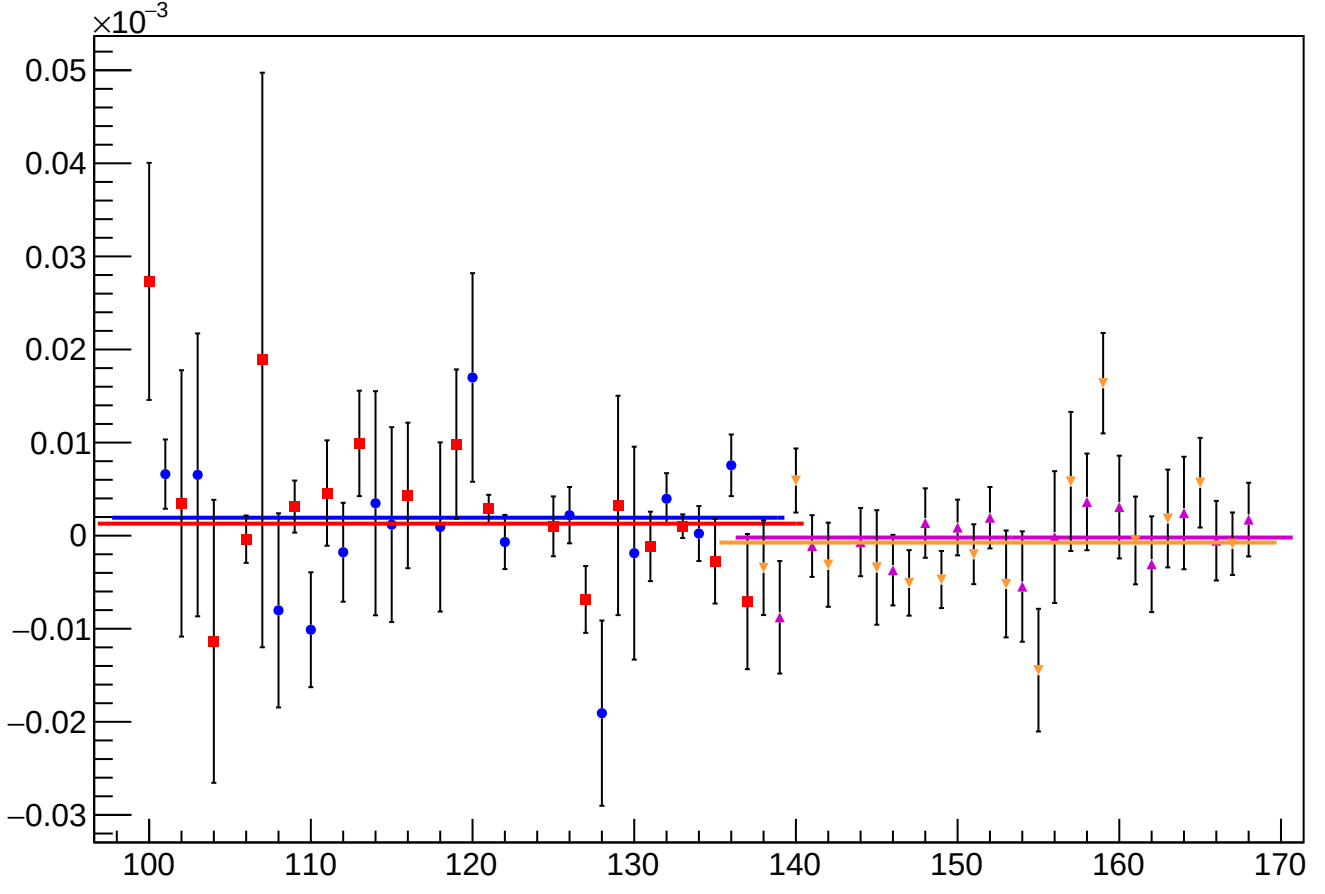
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.289+/-0.009 χ^2/NDF:232240.5/14

+ sign 41.098+/-0.007 χ^2/NDF: 1595174.9/30

All: 39.696+/-0.005 χ^2/NDF: 3762879.5/63

- sign 38.435+/-0.007 χ^2/NDF: 2097946.7/32



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.6/14

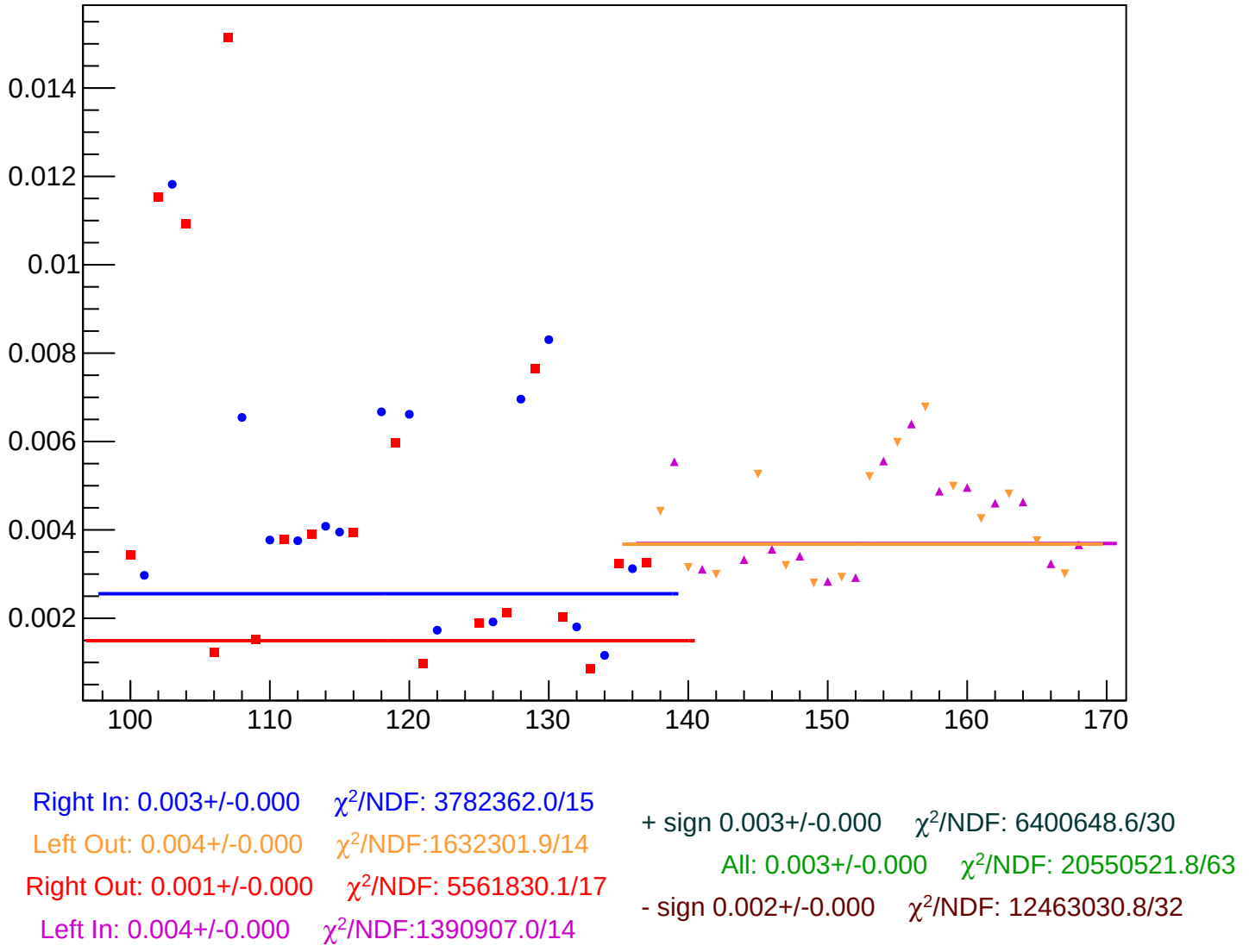
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

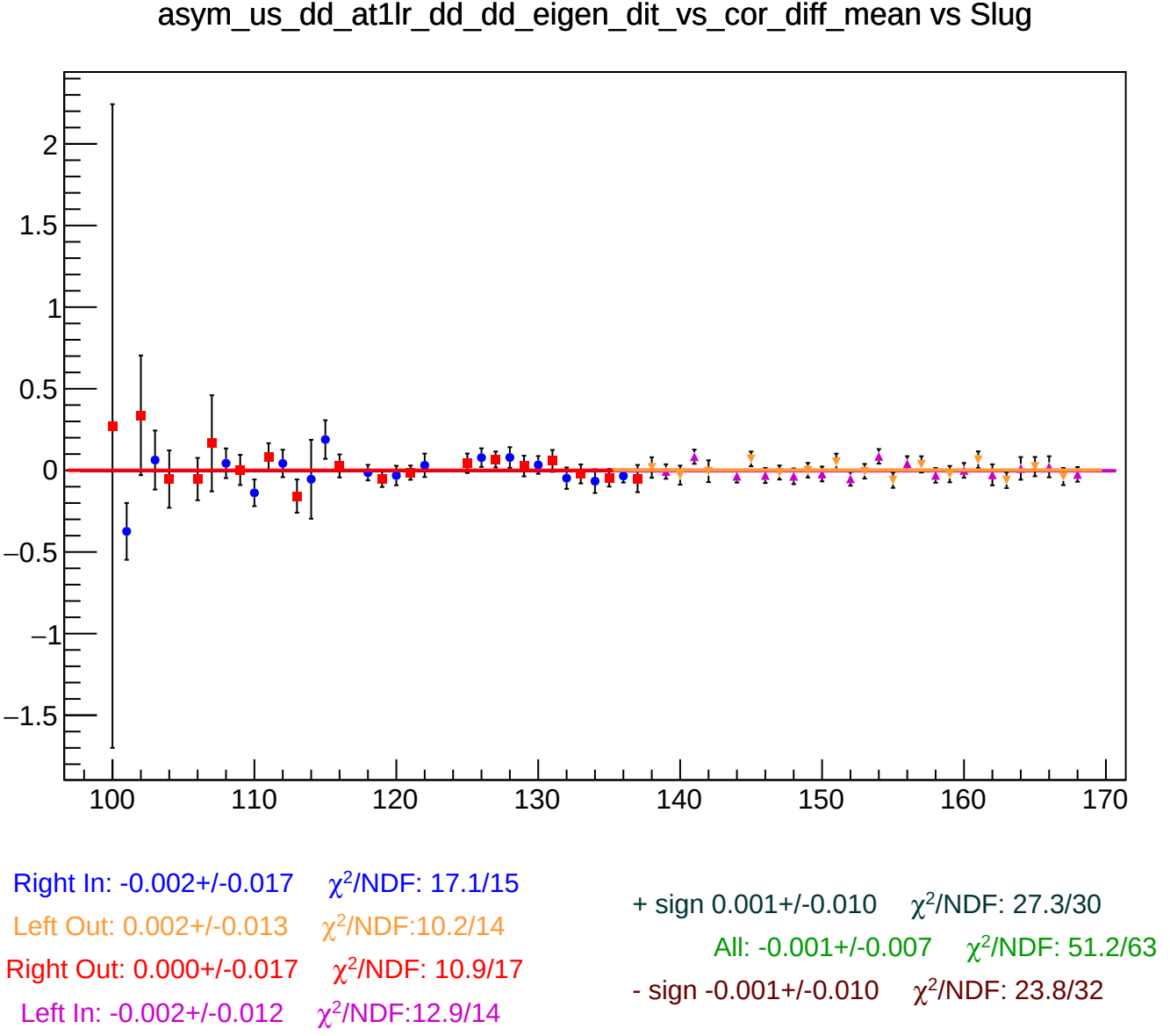
Left In: -0.000+/-0.000 χ^2/NDF:6.1/14

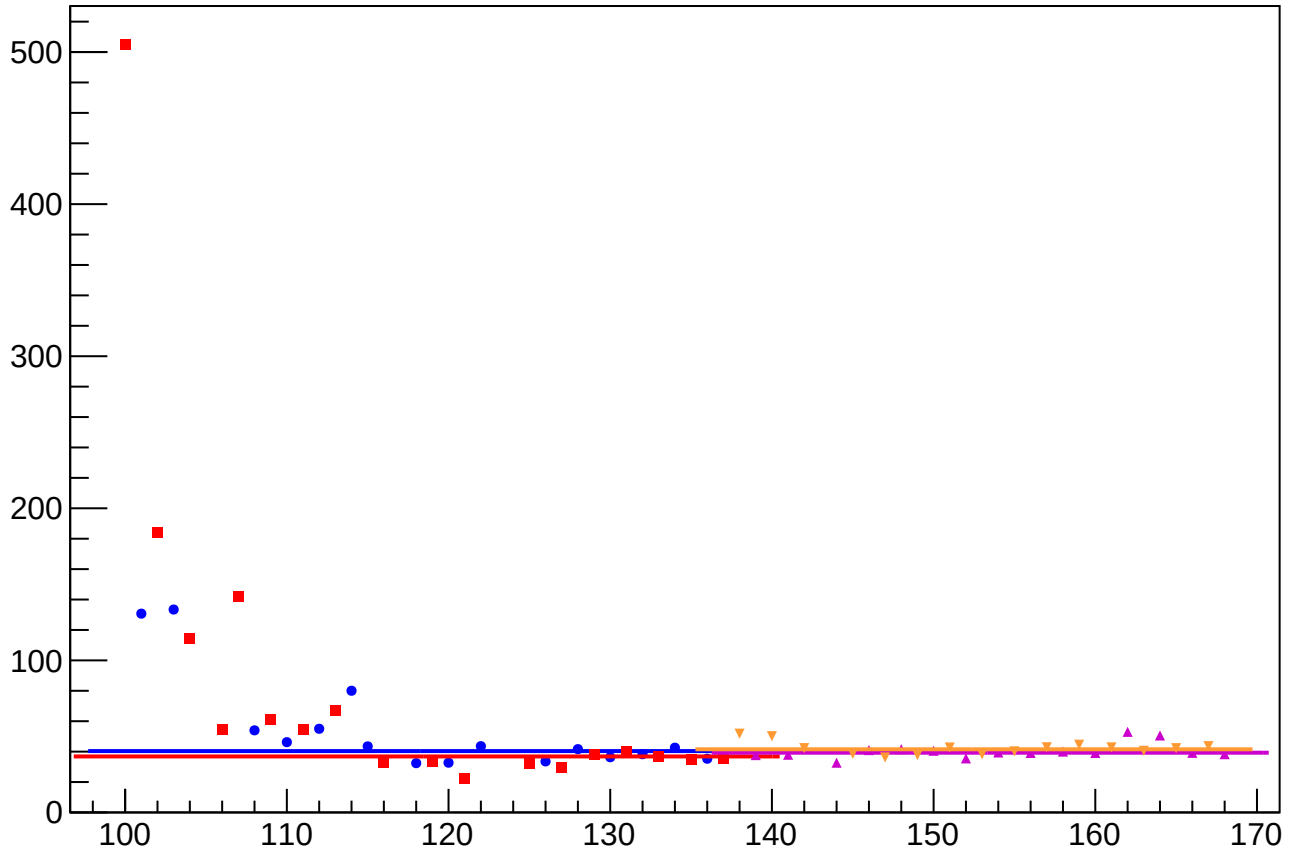
+ sign 0.000+/-0.000 χ^2/NDF: 46.3/30

All: 0.000+/-0.000 χ^2/NDF: 72.6/63

- sign 0.000+/-0.000 χ^2/NDF: 26.3/32


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: 0.004+/-0.000 χ²/NDF:1632301.9/14
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.004+/-0.000 χ²/NDF:1390907.0/14
+ sign 0.003+/-0.000 χ²/NDF: 6400648.6/30
All: 0.003+/-0.000 χ²/NDF: 20550521.8/63
- sign 0.002+/-0.000 χ²/NDF: 12463030.8/32


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
Right In: -0.002+/-0.017 χ²/NDF: 17.1/15
Left Out: 0.002+/-0.013 χ²/NDF:10.2/14
Right Out: 0.000+/-0.017 χ²/NDF: 10.9/17
Left In: -0.002+/-0.012 χ²/NDF:12.9/14
+ sign 0.001+/-0.010 χ²/NDF: 27.3/30
All: -0.001+/-0.007 χ²/NDF: 51.2/63
- sign -0.001+/-0.010 χ²/NDF: 23.8/32



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.530+/-0.009 χ^2/NDF:179007.0/14

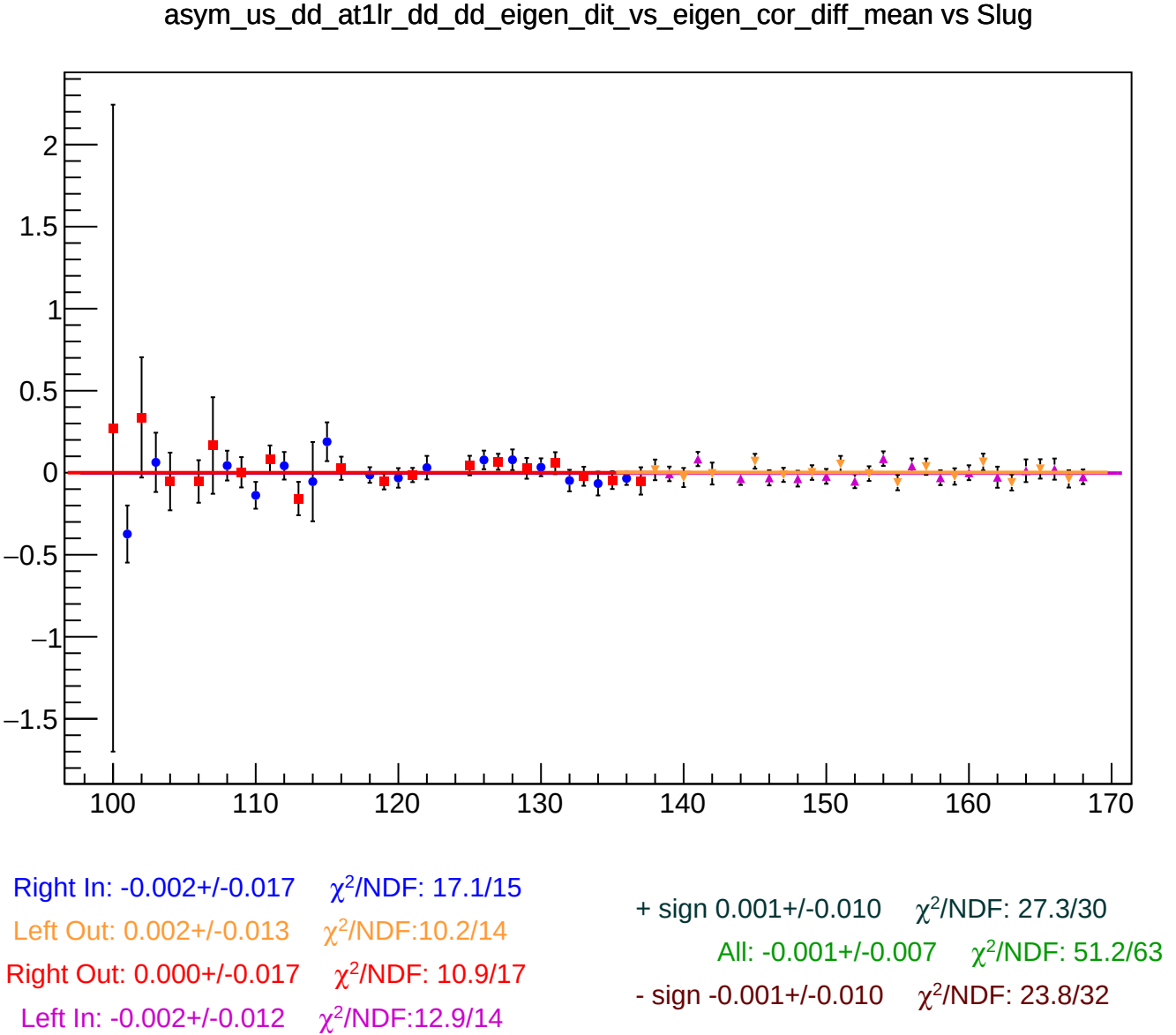
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.289+/-0.009 χ^2/NDF:232211.0/14

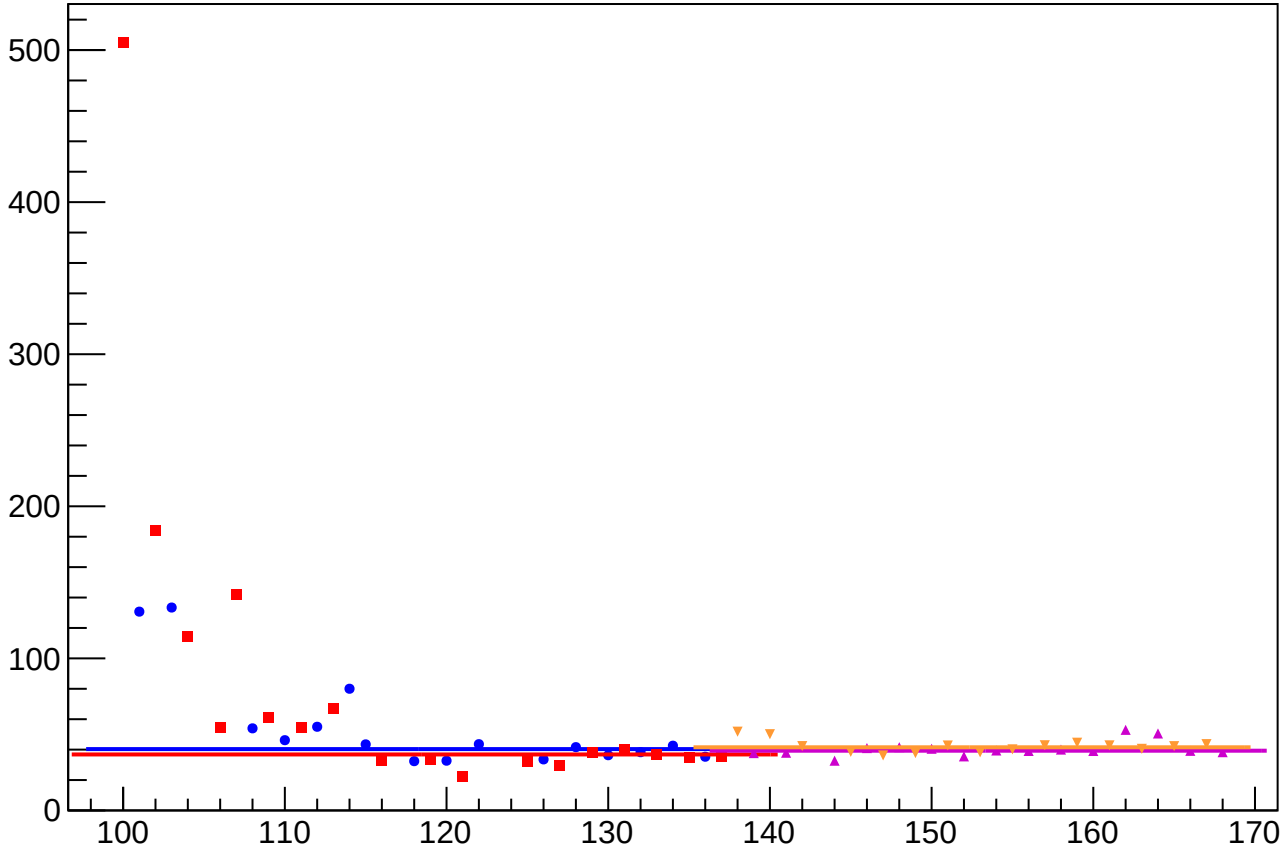
+ sign 41.098+/-0.007 χ^2/NDF: 1595067.8/30

All: 39.696+/-0.005 χ^2/NDF: 3762783.7/63

- sign 38.435+/-0.007 χ^2/NDF: 2097930.8/32


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
Right In: -0.002+/-0.017 χ²/NDF: 17.1/15
Left Out: 0.002+/-0.013 χ²/NDF:10.2/14
Right Out: 0.000+/-0.017 χ²/NDF: 10.9/17
Left In: -0.002+/-0.012 χ²/NDF:12.9/14
+ sign 0.001+/-0.010 χ²/NDF: 27.3/30
All: -0.001+/-0.007 χ²/NDF: 51.2/63
- sign -0.001+/-0.010 χ²/NDF: 23.8/32

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.530+/-0.009 χ^2/NDF:179007.0/14

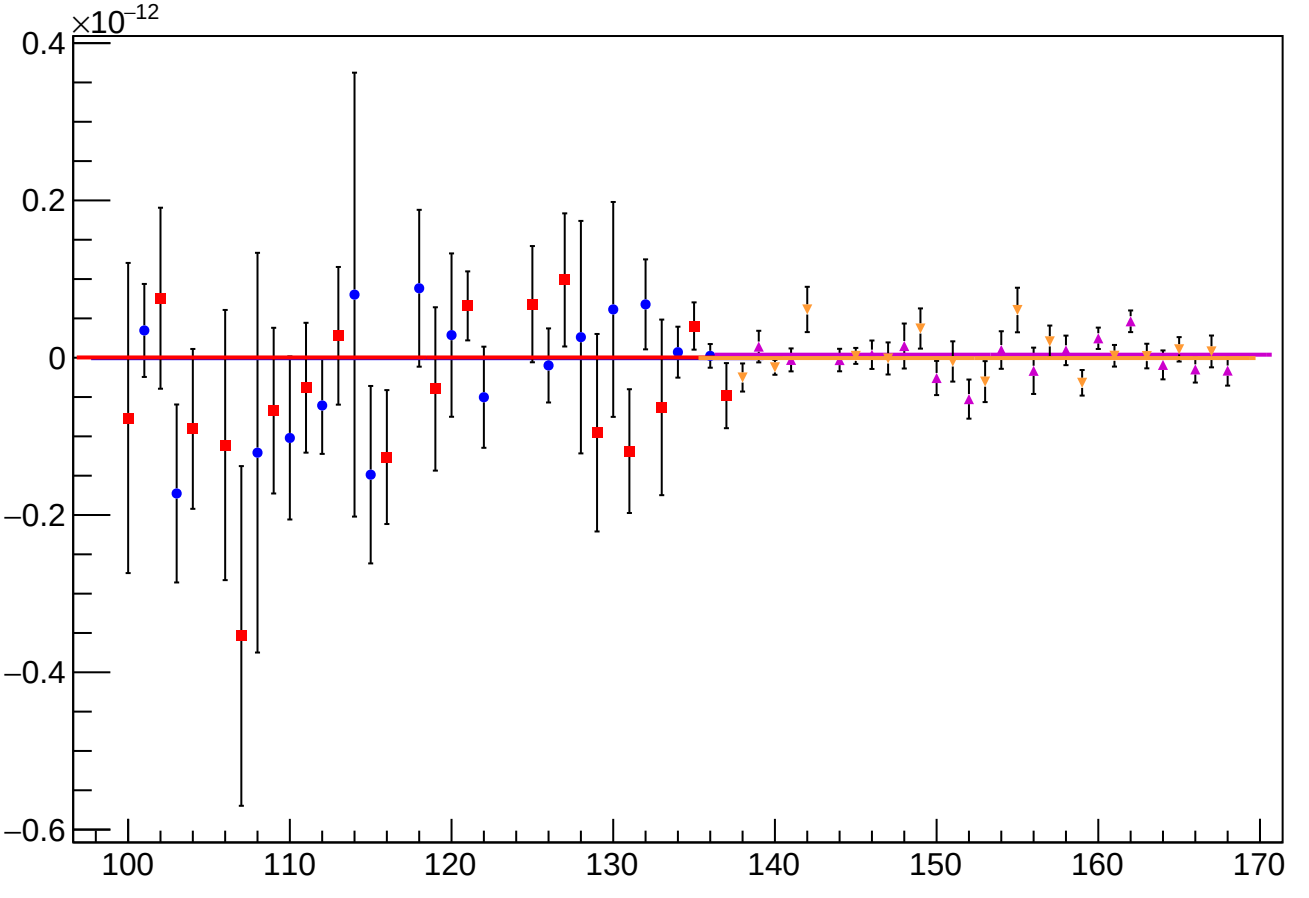
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.289+/-0.009 χ^2/NDF:232211.0/14

+ sign 41.098+/-0.007 χ^2/NDF: 1595067.8/30

All: 39.696+/-0.005 χ^2/NDF: 3762783.7/63

- sign 38.435+/-0.007 χ^2/NDF: 2097930.8/32



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/14

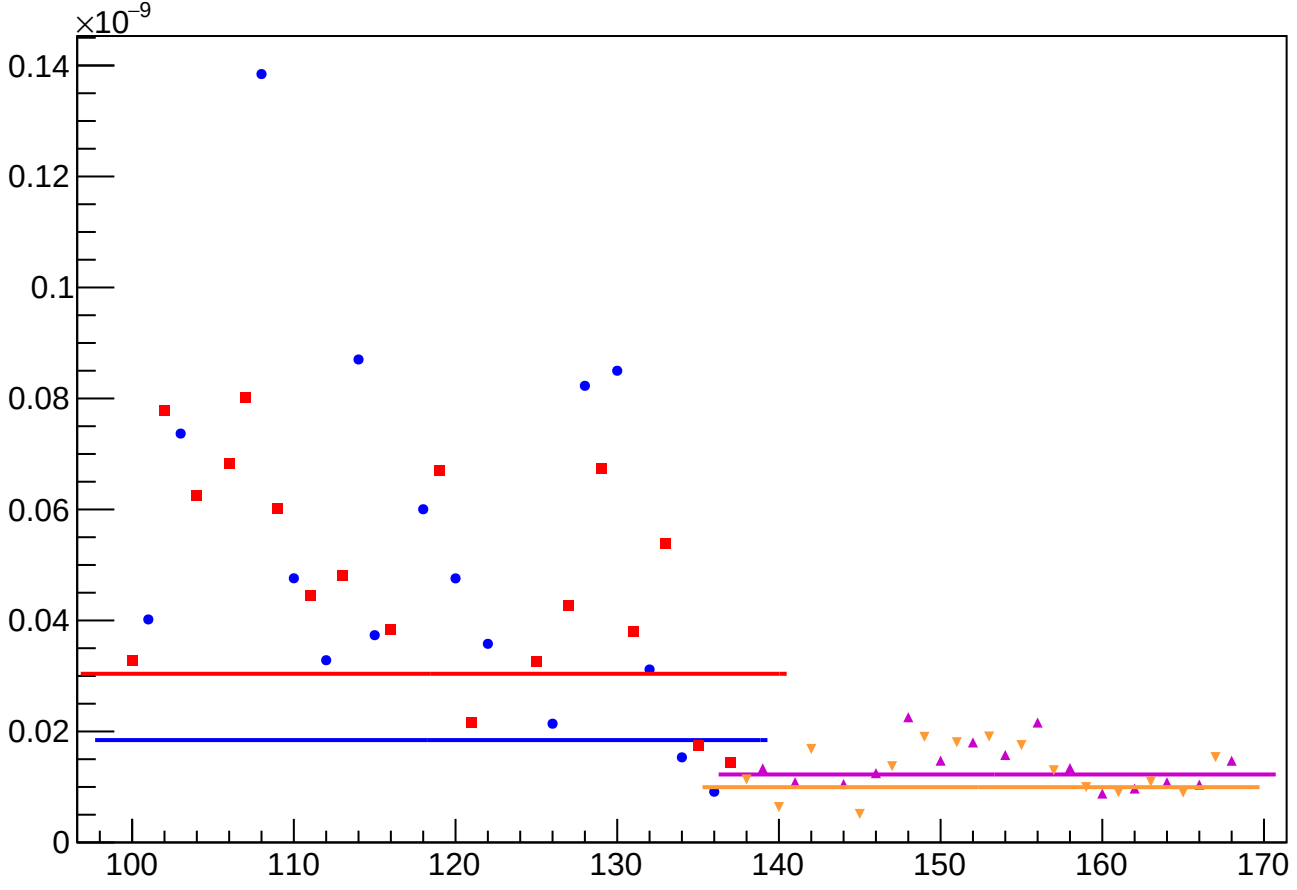
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:23.2/14

+ sign -0.000+/-0.000 χ^2/NDF: 31.8/30

All: 0.000+/-0.000 χ^2/NDF: 73.9/63

- sign 0.000+/-0.000 χ^2/NDF: 41.6/32



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1988217.1/14

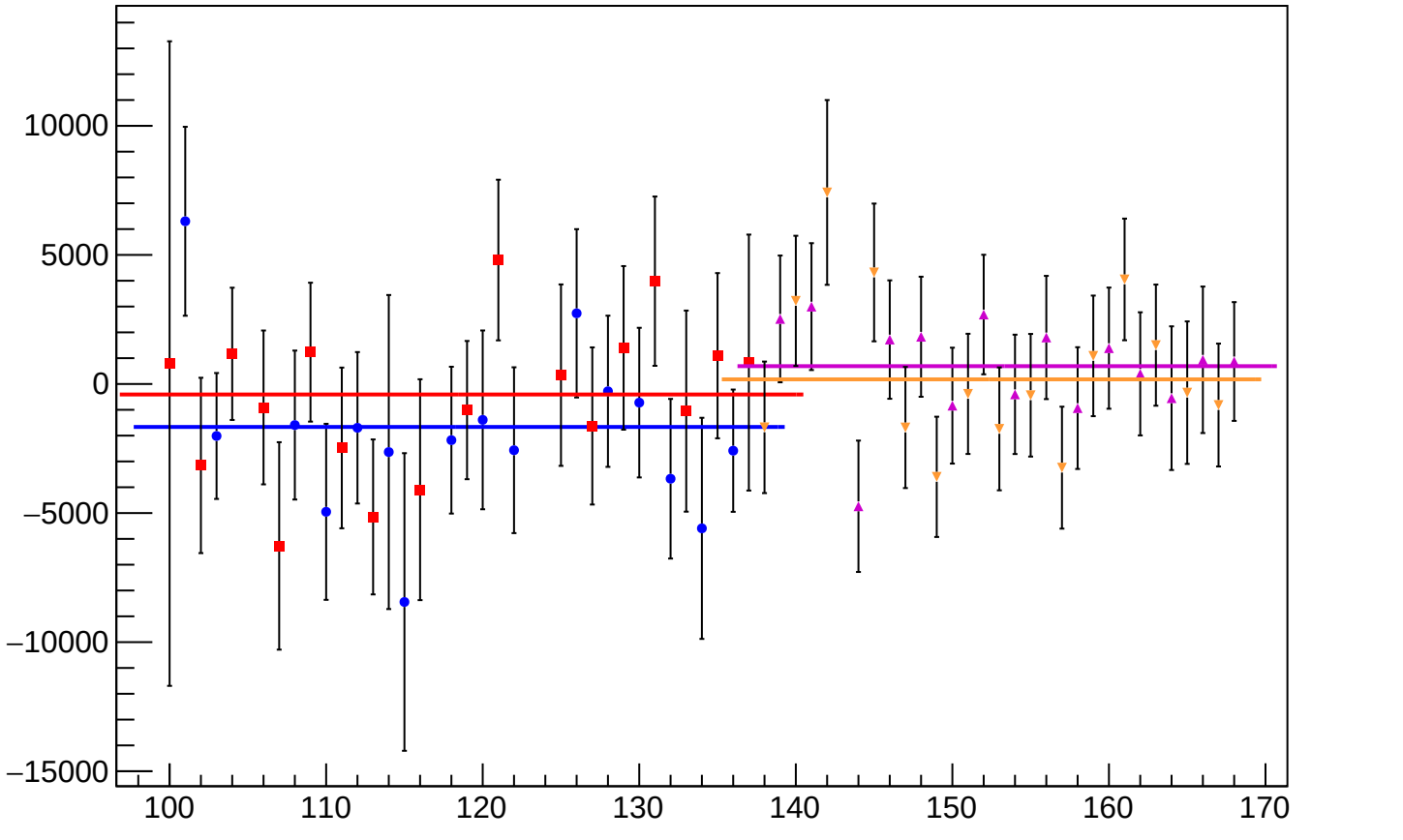
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:964935.4/14

+ sign 0.000+/-0.000 χ^2/NDF: 6961472.6/30

All: 0.000+/-0.000 χ^2/NDF: 12947806.8/63

- sign 0.000+/-0.000 χ^2/NDF: 5599811.1/32



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 179.926+/-636.749 χ^2/NDF:18.0/14

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

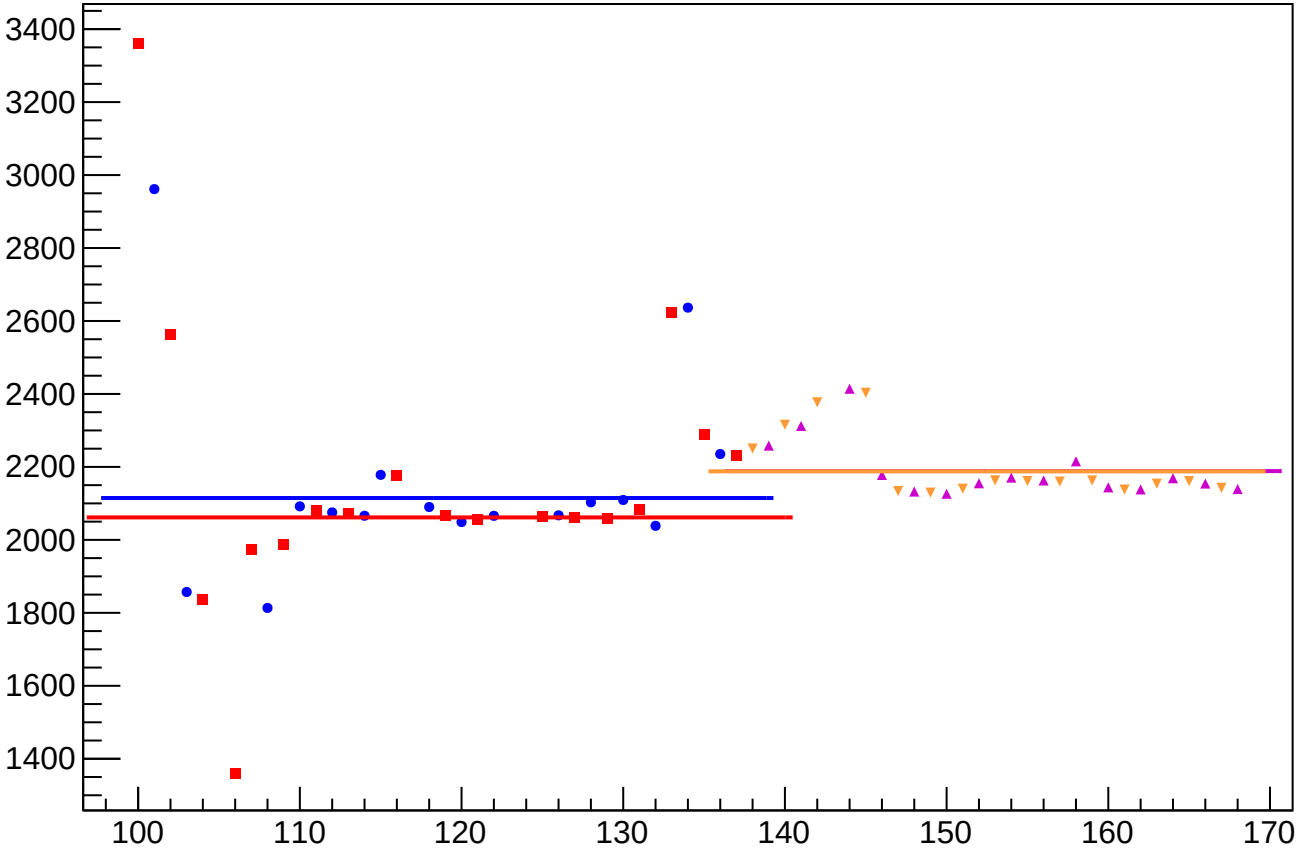
Left In: 690.900+/-621.571 χ^2/NDF:8.9/14

+ sign -543.949+/-496.294 χ^2/NDF: 32.1/30

All: -131.714+/-347.022 χ^2/NDF: 56.3/63

- sign 262.642+/-485.413 χ^2/NDF: 22.8/32

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2187.927+/-0.450 χ^2/NDF:31302.5/14

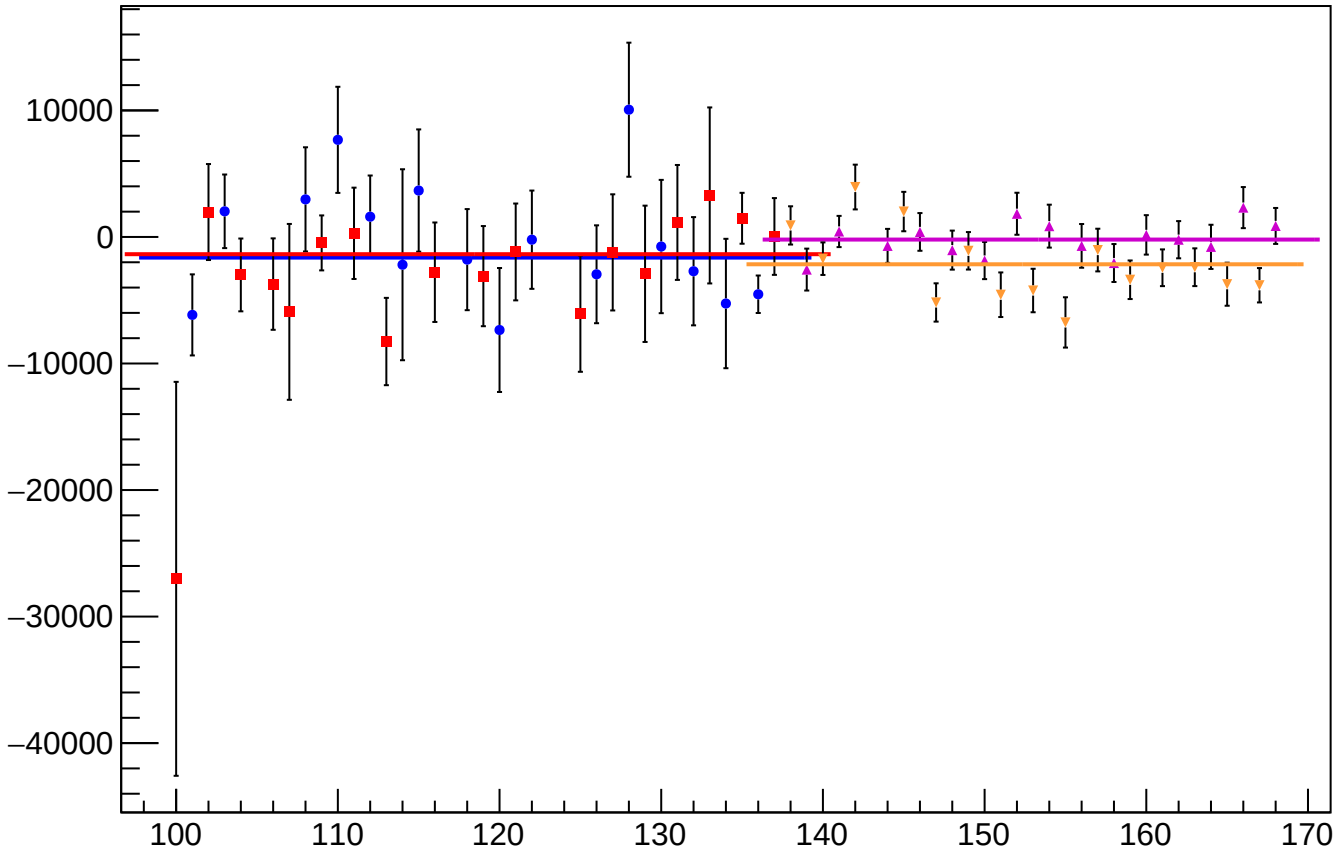
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2188.575+/-0.440 χ^2/NDF:29095.2/14

+ sign 2159.207+/-0.351 χ^2/NDF: 231589.6/30

All: 2148.891+/-0.245 χ^2/NDF: 544142.9/63

- sign 2139.023+/-0.343 χ^2/NDF: 310862.7/32



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -2159.124+/-402.444 χ^2/NDF:40.0/14

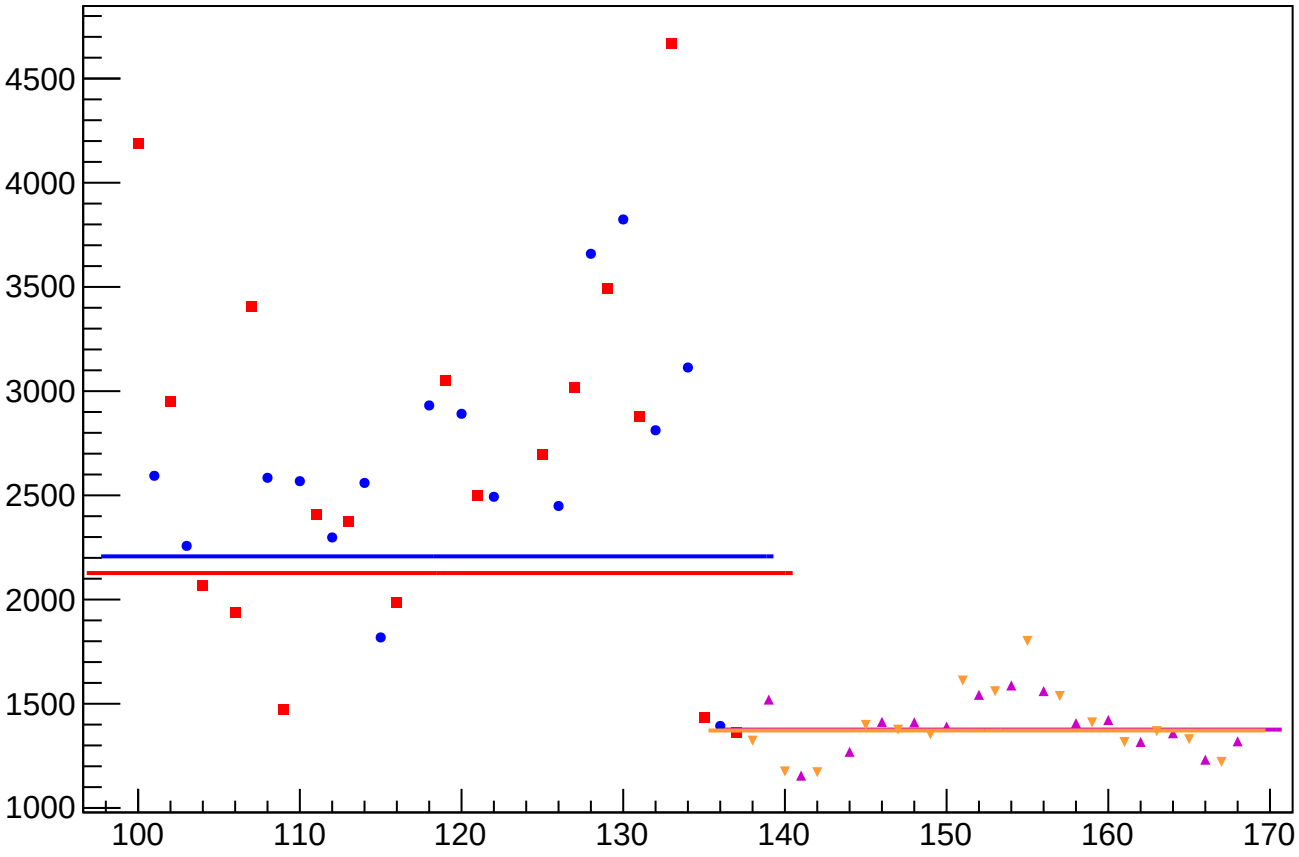
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -206.173+/-392.909 χ^2/NDF:10.9/14

+ sign -2064.591+/-364.691 χ^2/NDF: 63.1/30

All: -1218.959+/-254.722 χ^2/NDF: 99.5/63

- sign -413.462+/-355.931 χ^2/NDF: 25.9/32



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1371.706+/-0.285 χ^2/NDF:279095.5/14

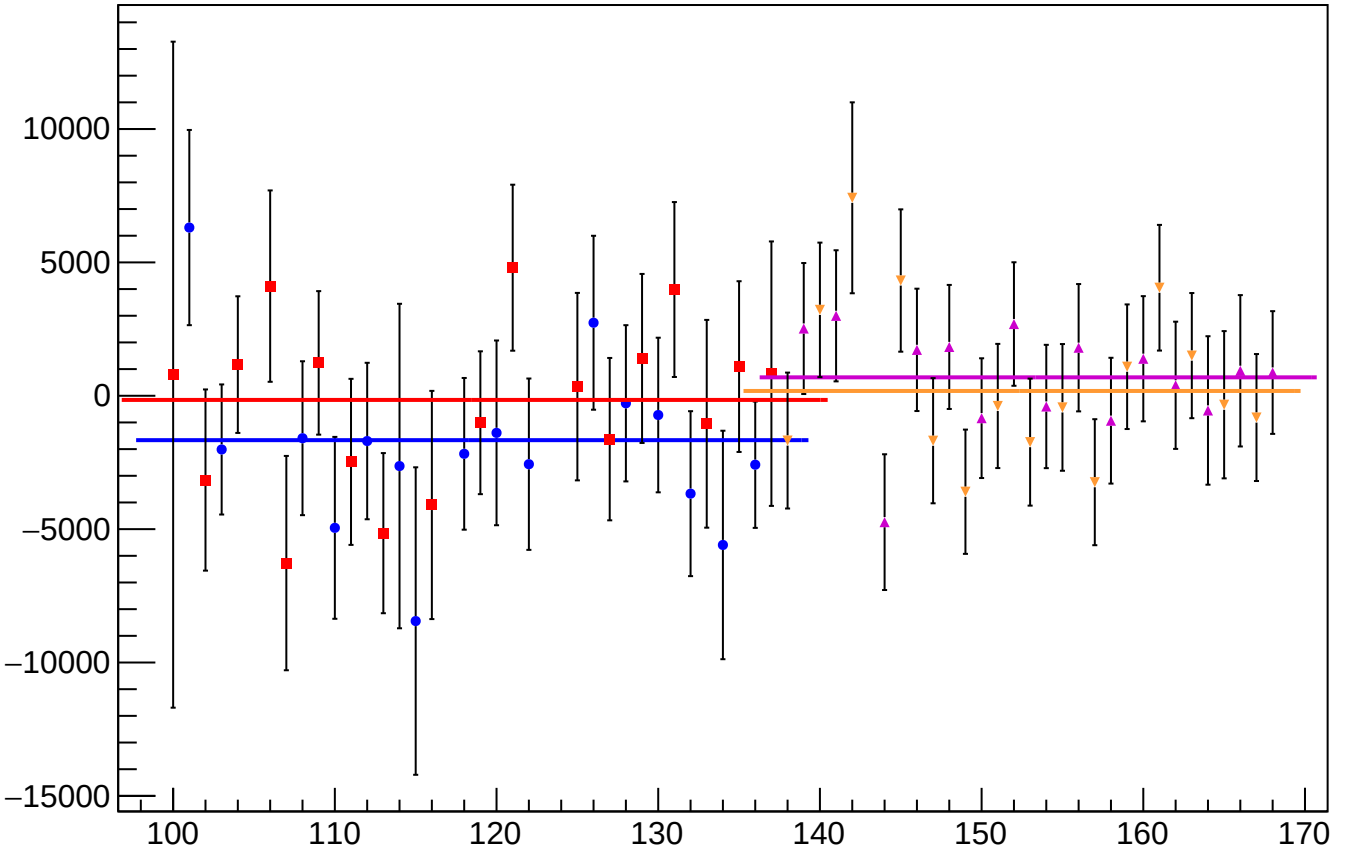
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1375.993+/-0.278 χ^2/NDF:193571.7/14

+ sign 1521.118+/-0.258 χ^2/NDF: 3069979.6/30

All: 1515.802+/-0.180 χ^2/NDF: 6033831.2/63

- sign 1510.739+/-0.252 χ^2/NDF: 2963021.9/32



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 180.128+/-636.749 χ^2/NDF:18.0/14

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

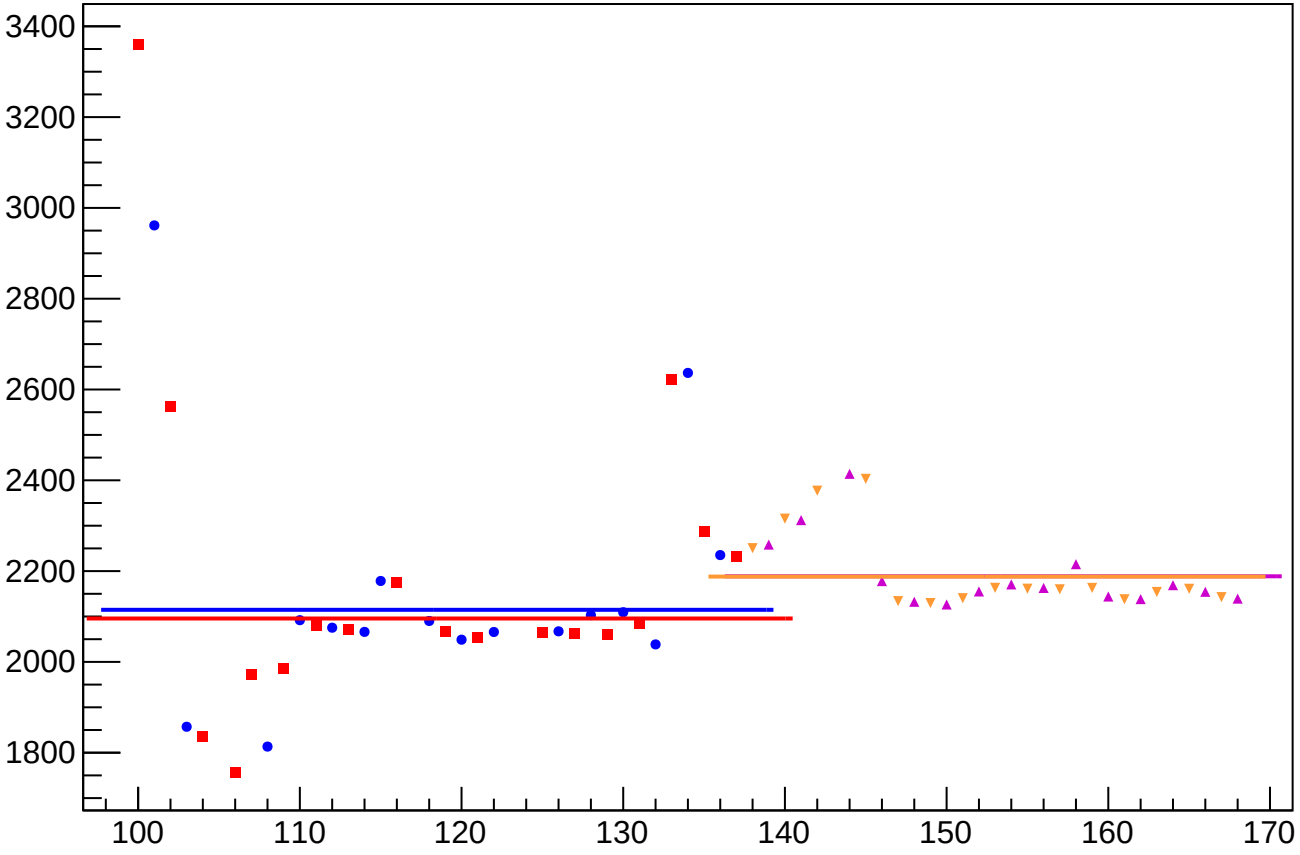
Left In: 690.776+/-621.571 χ^2/NDF:8.9/14

+ sign -543.797+/-496.294 χ^2/NDF: 32.1/30

All: -81.306+/-347.753 χ^2/NDF: 57.6/63

- sign 364.797+/-487.421 χ^2/NDF: 23.8/32

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2187.927+/-0.450 χ^2/NDF:31302.5/14

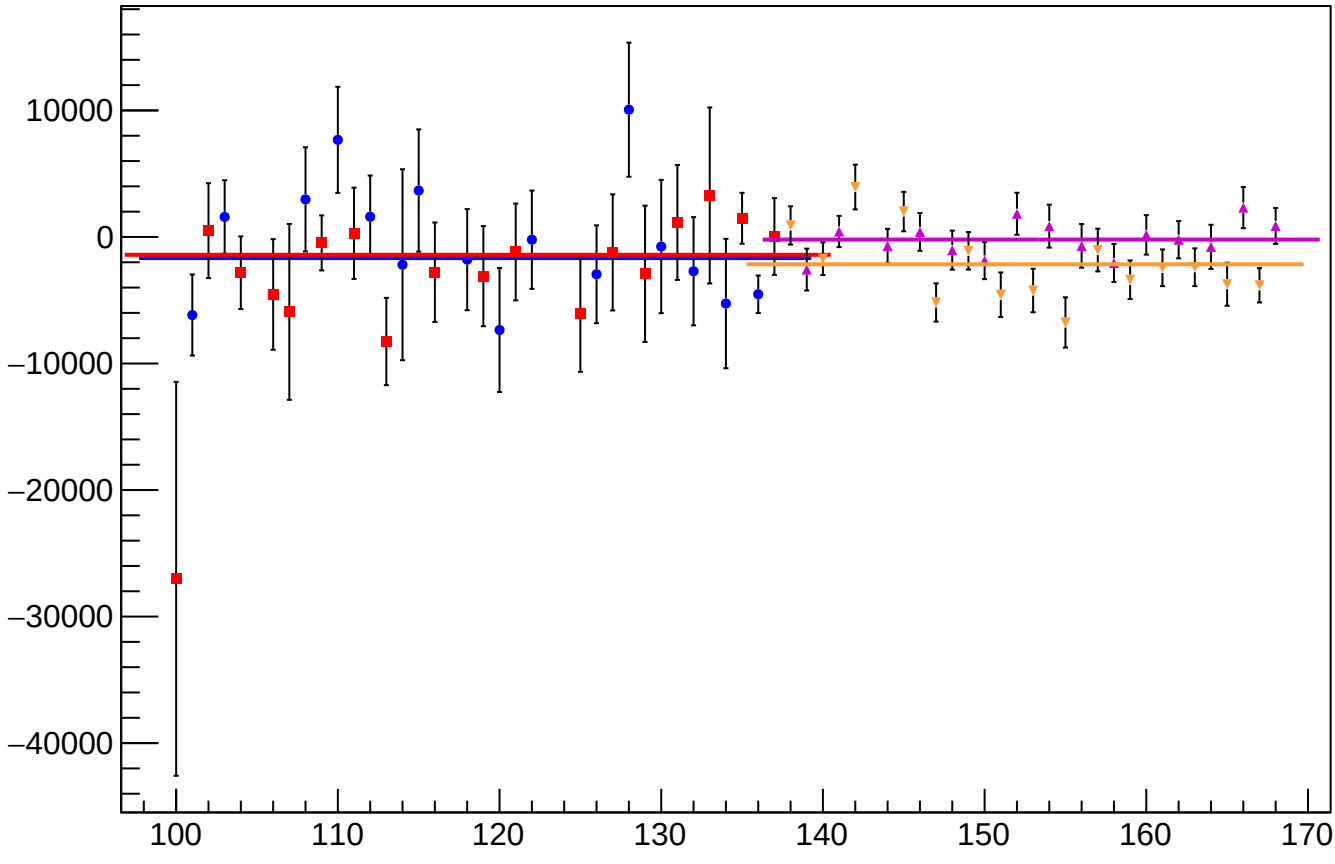
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2188.575+/-0.440 χ^2/NDF:29095.2/14

+ sign 2159.206+/-0.351 χ^2/NDF: 231589.9/30

All: 2155.931+/-0.246 χ^2/NDF: 427449.2/63

- sign 2152.772+/-0.345 χ^2/NDF: 195688.1/32



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -2159.125+/-402.447 χ^2/NDF:40.0/14

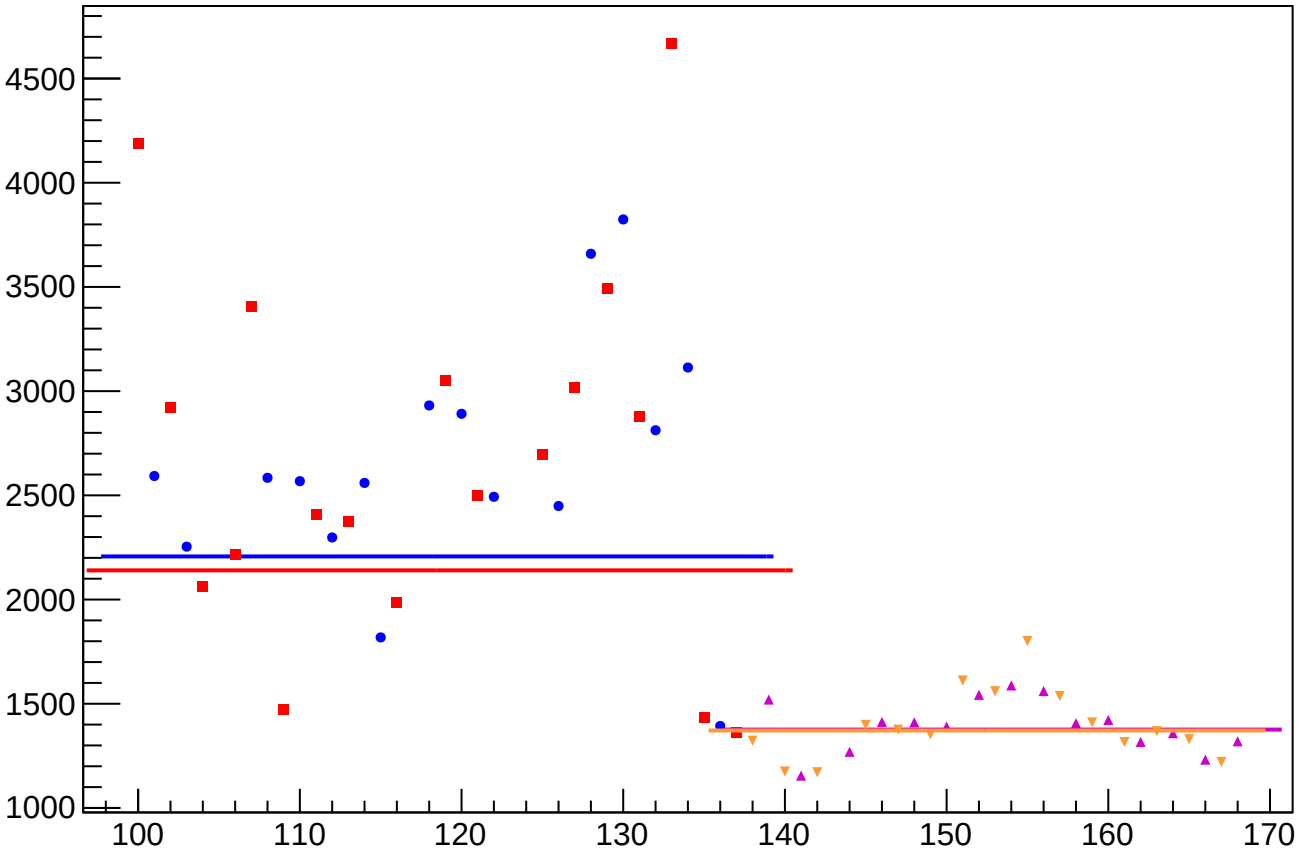
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -206.013+/-392.908 χ^2/NDF:10.9/14

+ sign -2071.339+/-364.671 χ^2/NDF: 62.7/30

All: -1226.205+/-254.898 χ^2/NDF: 98.7/63

- sign -418.830+/-356.431 χ^2/NDF: 25.5/32



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1371.718+/-0.285 χ^2/NDF:279036.8/14

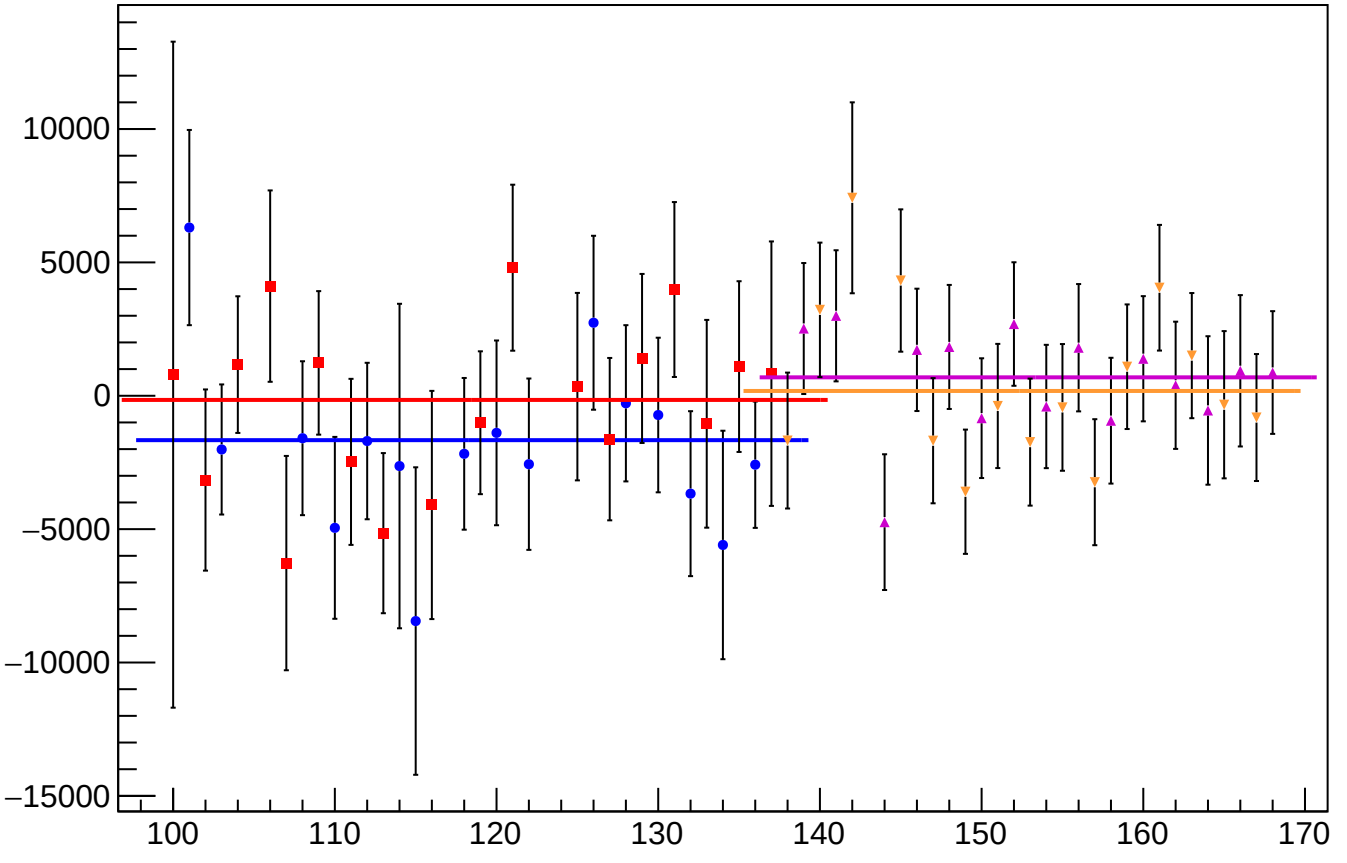
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1375.991+/-0.278 χ^2/NDF:193617.9/14

+ sign 1521.152+/-0.258 χ^2/NDF: 3069246.0/30

All: 1516.101+/-0.180 χ^2/NDF: 6051124.1/63

- sign 1511.276+/-0.252 χ^2/NDF: 2981127.8/32



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 180.128+/-636.749 χ^2/NDF:18.0/14

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

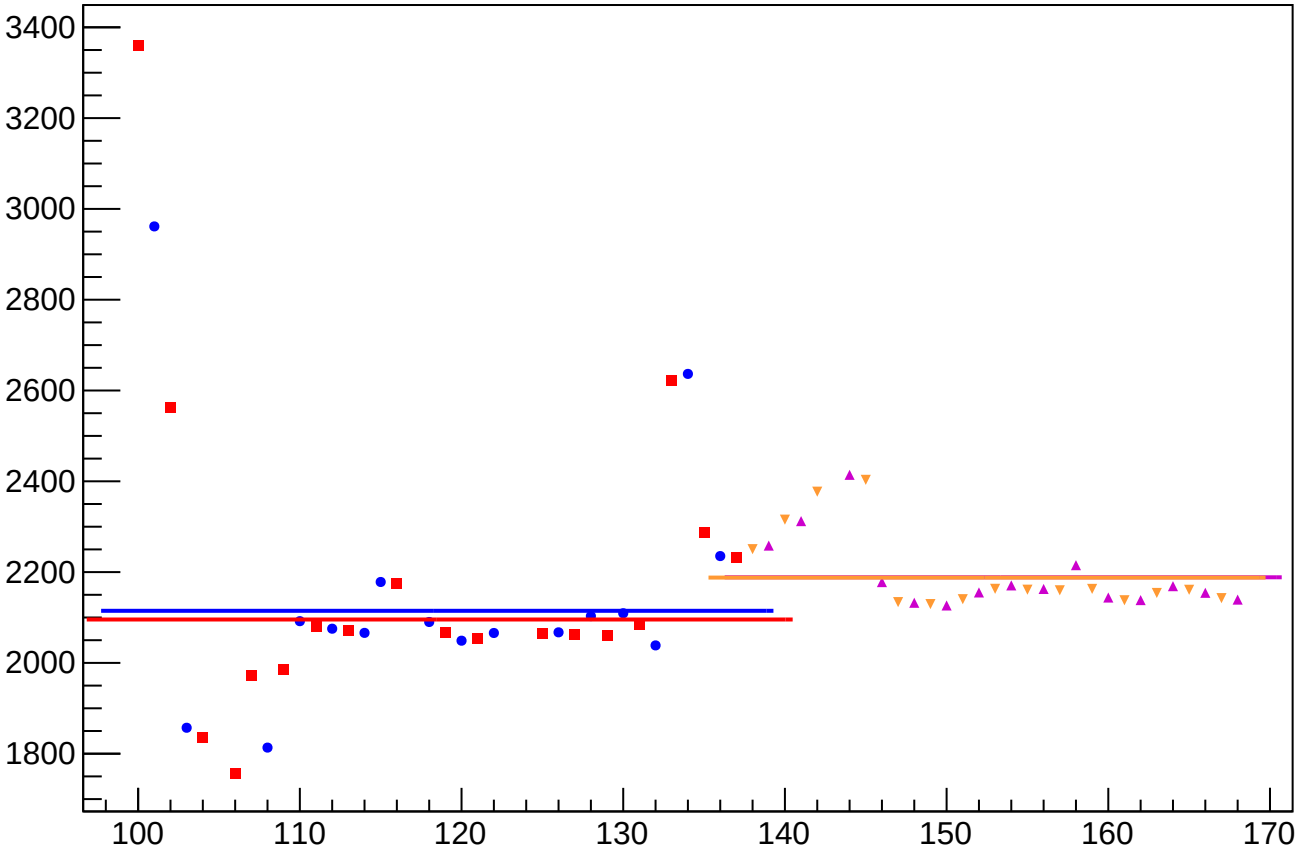
Left In: 690.776+/-621.571 χ^2/NDF:8.9/14

+ sign -543.797+/-496.294 χ^2/NDF: 32.1/30

All: -81.306+/-347.753 χ^2/NDF: 57.6/63

- sign 364.797+/-487.421 χ^2/NDF: 23.8/32

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: 2187.927+/-0.450 χ^2/NDF:31302.5/14

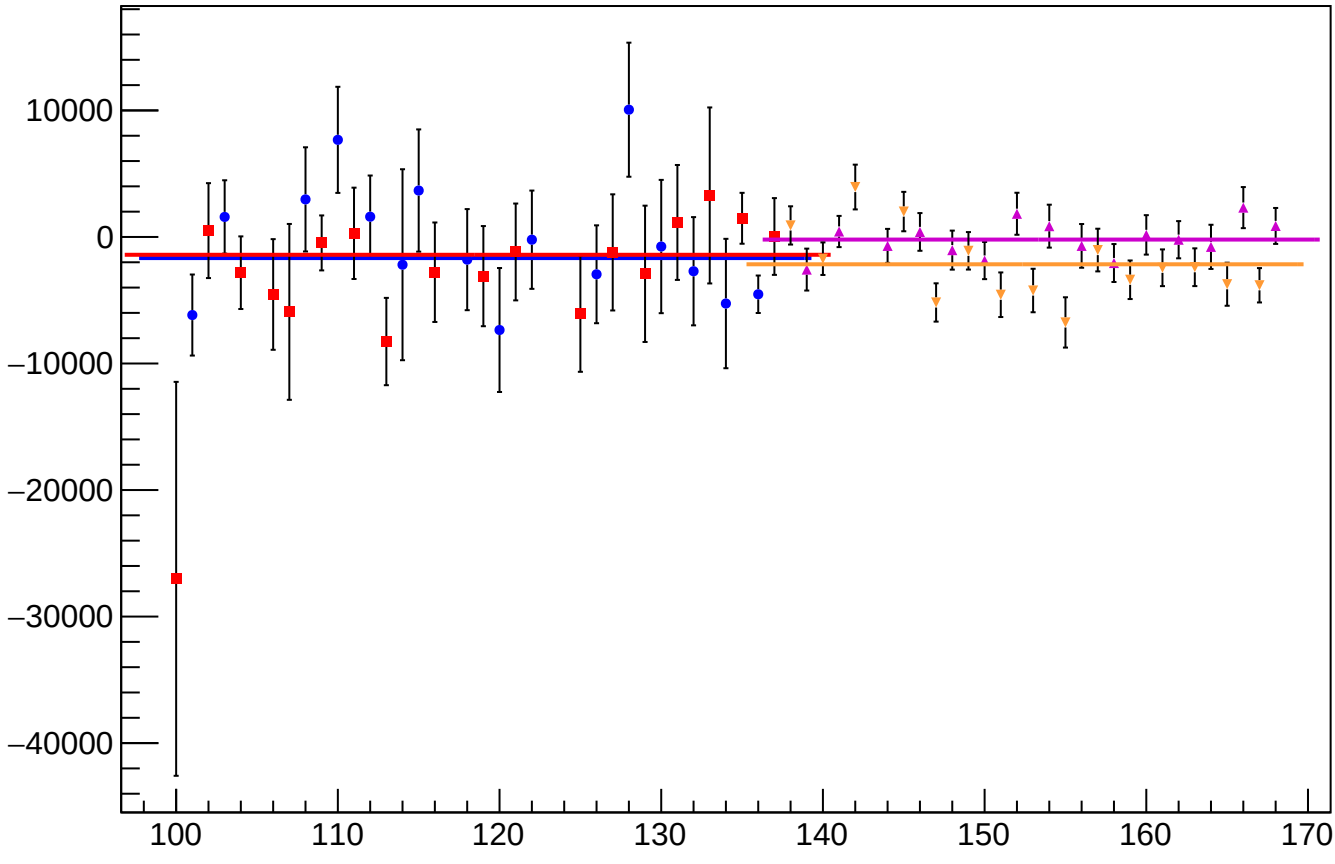
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2188.575+/-0.440 χ^2/NDF:29095.2/14

+ sign 2159.206+/-0.351 χ^2/NDF: 231589.9/30

All: 2155.931+/-0.246 χ^2/NDF: 427449.2/63

- sign 2152.772+/-0.345 χ^2/NDF: 195688.1/32



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -2159.125+/-402.447 χ^2/NDF:40.0/14

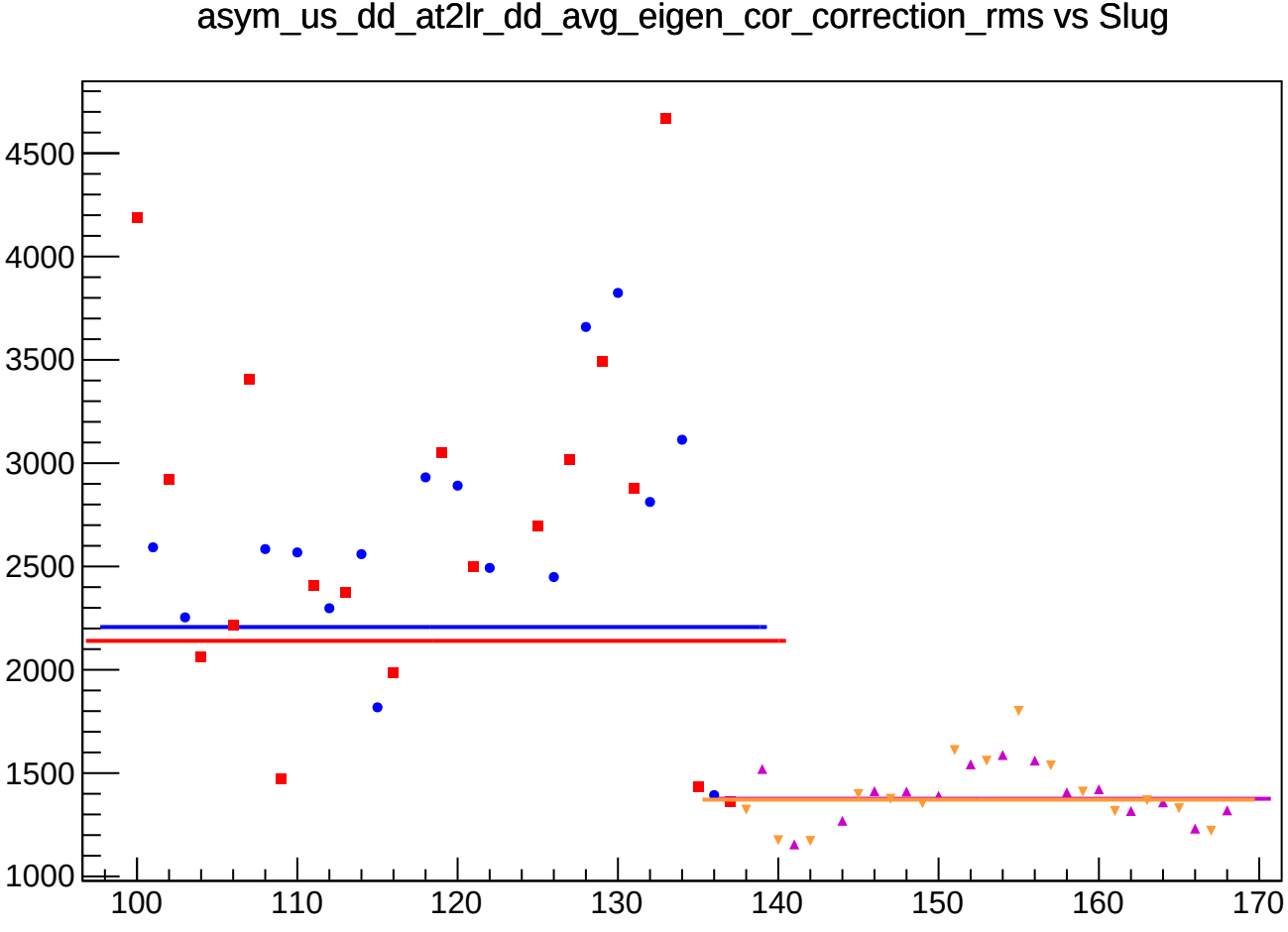
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -206.013+/-392.908 χ^2/NDF:10.9/14

+ sign -2071.339+/-364.671 χ^2/NDF: 62.7/30

All: -1226.205+/-254.898 χ^2/NDF: 98.7/63

- sign -418.830+/-356.431 χ^2/NDF: 25.5/32



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1371.718+/-0.285 χ^2/NDF:279036.8/14

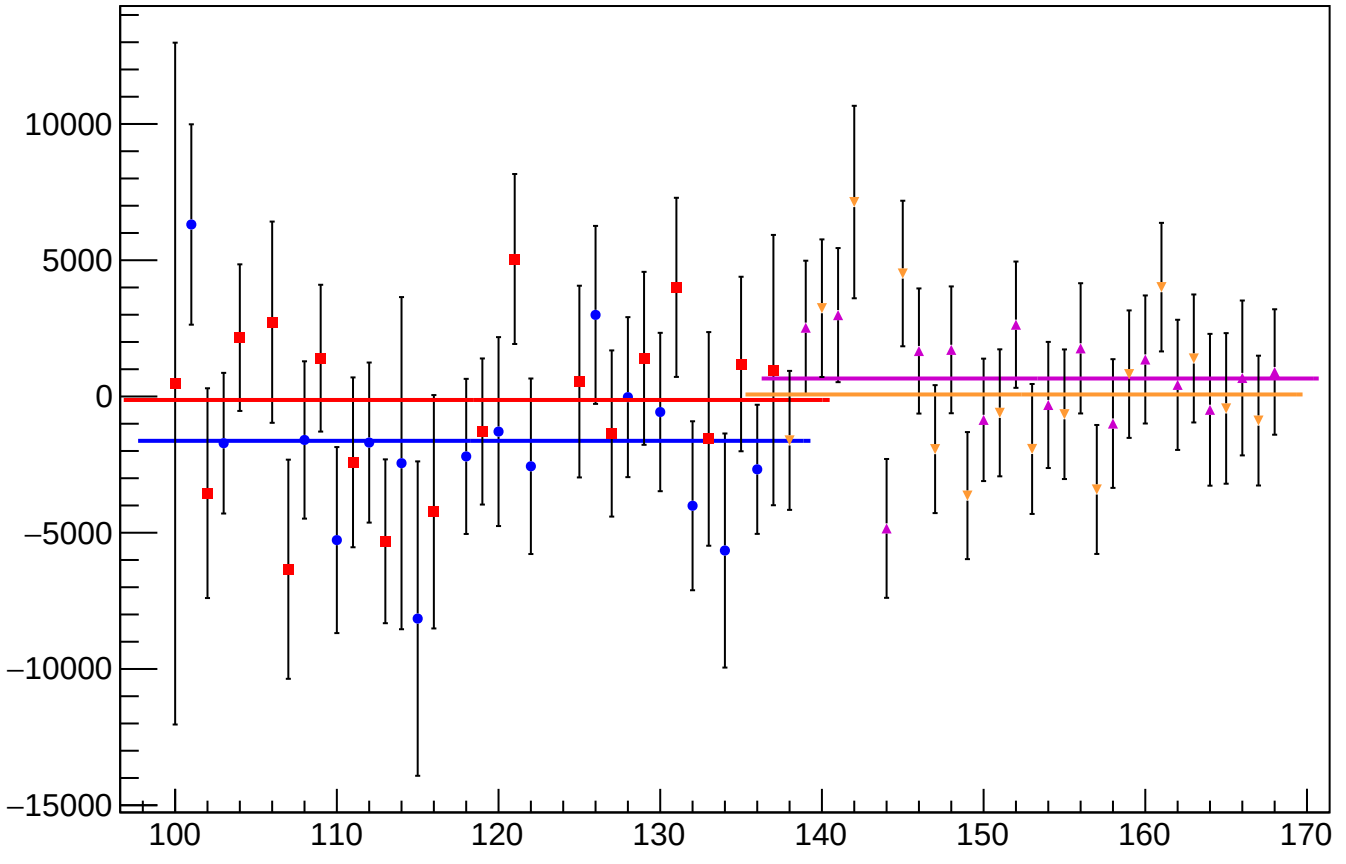
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1375.991+/-0.278 χ^2/NDF:193617.9/14

+ sign 1521.152+/-0.258 χ^2/NDF: 3069246.0/30

All: 1516.101+/-0.180 χ^2/NDF: 6051124.1/63

- sign 1511.276+/-0.252 χ^2/NDF: 2981127.8/32



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 73.976+/-637.201 χ^2/NDF:18.5/14

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

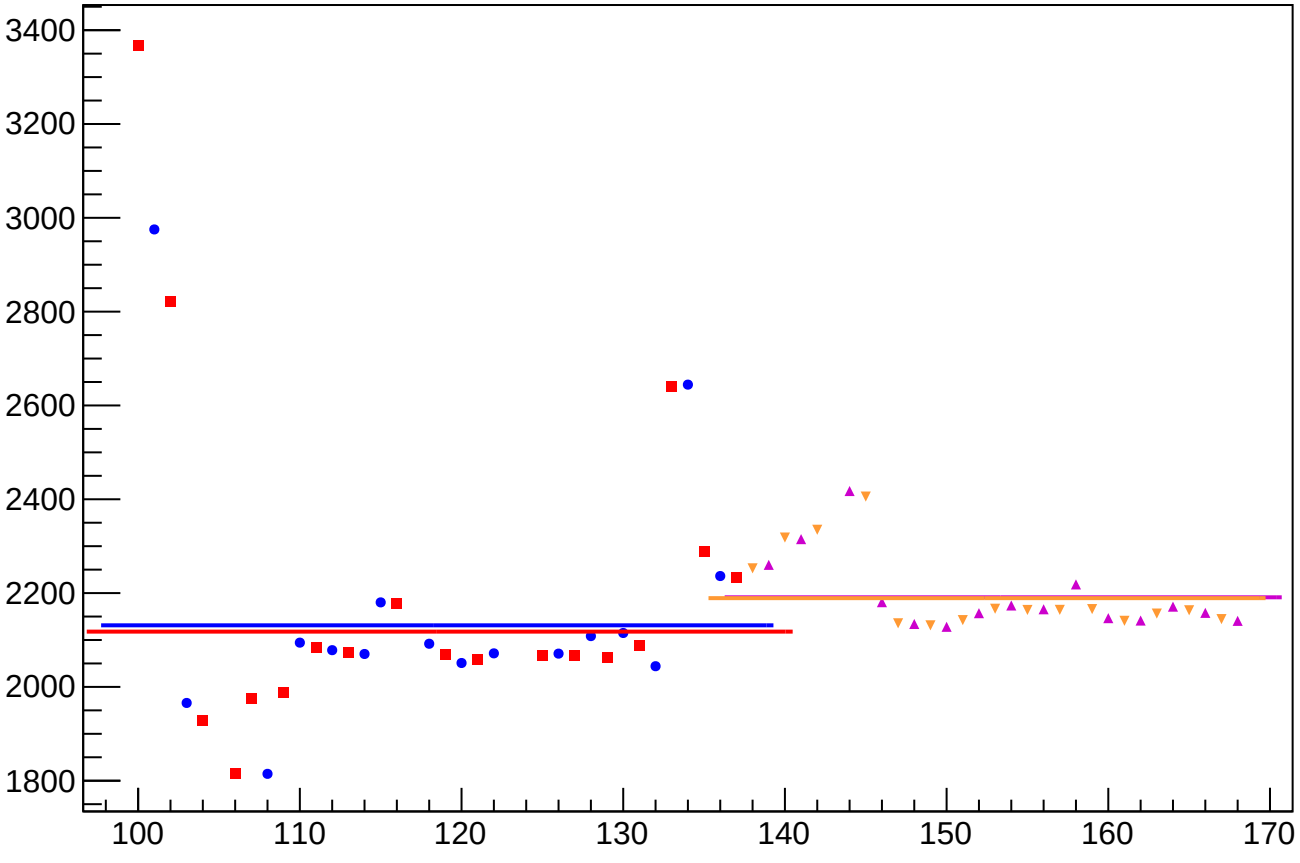
Left In: 659.688+/-622.266 χ^2/NDF:8.9/14

+ sign -588.579+/-497.927 χ^2/NDF: 32.6/30

All: -106.474+/-349.331 χ^2/NDF: 58.5/63

- sign 360.822+/-490.220 χ^2/NDF: 24.0/32

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2189.213+/-0.451 χ^2/NDF:29053.8/14

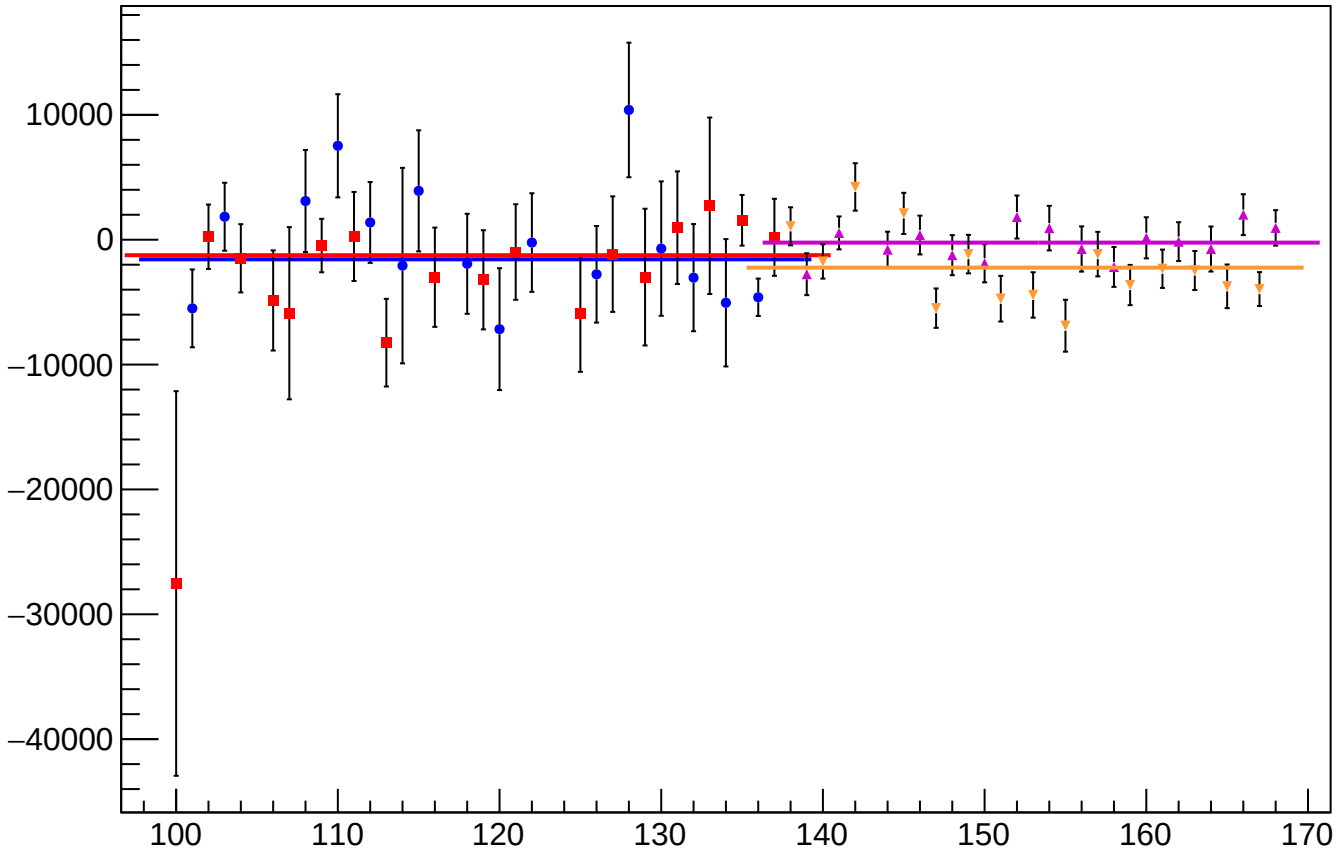
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2191.011+/-0.440 χ^2/NDF:29223.1/14

+ sign 2166.663+/-0.352 χ^2/NDF: 211430.2/30

All: 2164.936+/-0.247 χ^2/NDF: 414806.6/63

- sign 2163.262+/-0.347 χ^2/NDF: 203329.0/32



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -2236.033+/-420.252 χ^2/NDF:39.9/14

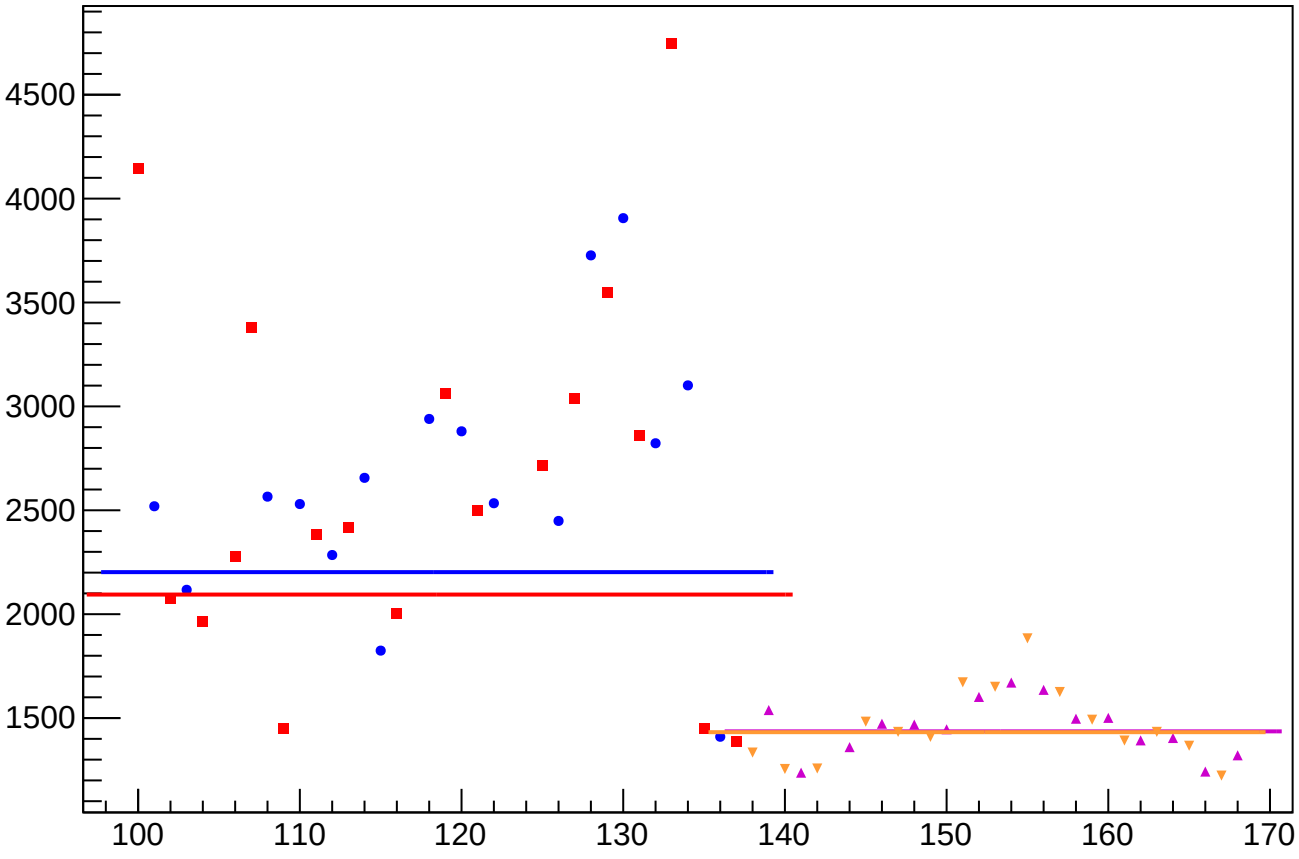
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -231.993+/-409.952 χ^2/NDF:10.6/14

+ sign -2107.794+/-377.560 χ^2/NDF: 63.0/30

All: -1246.310+/-263.037 χ^2/NDF: 97.9/63

- sign -433.847+/-366.661 χ^2/NDF: 24.9/32



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1432.186+/-0.297 χ^2/NDF:296211.5/14

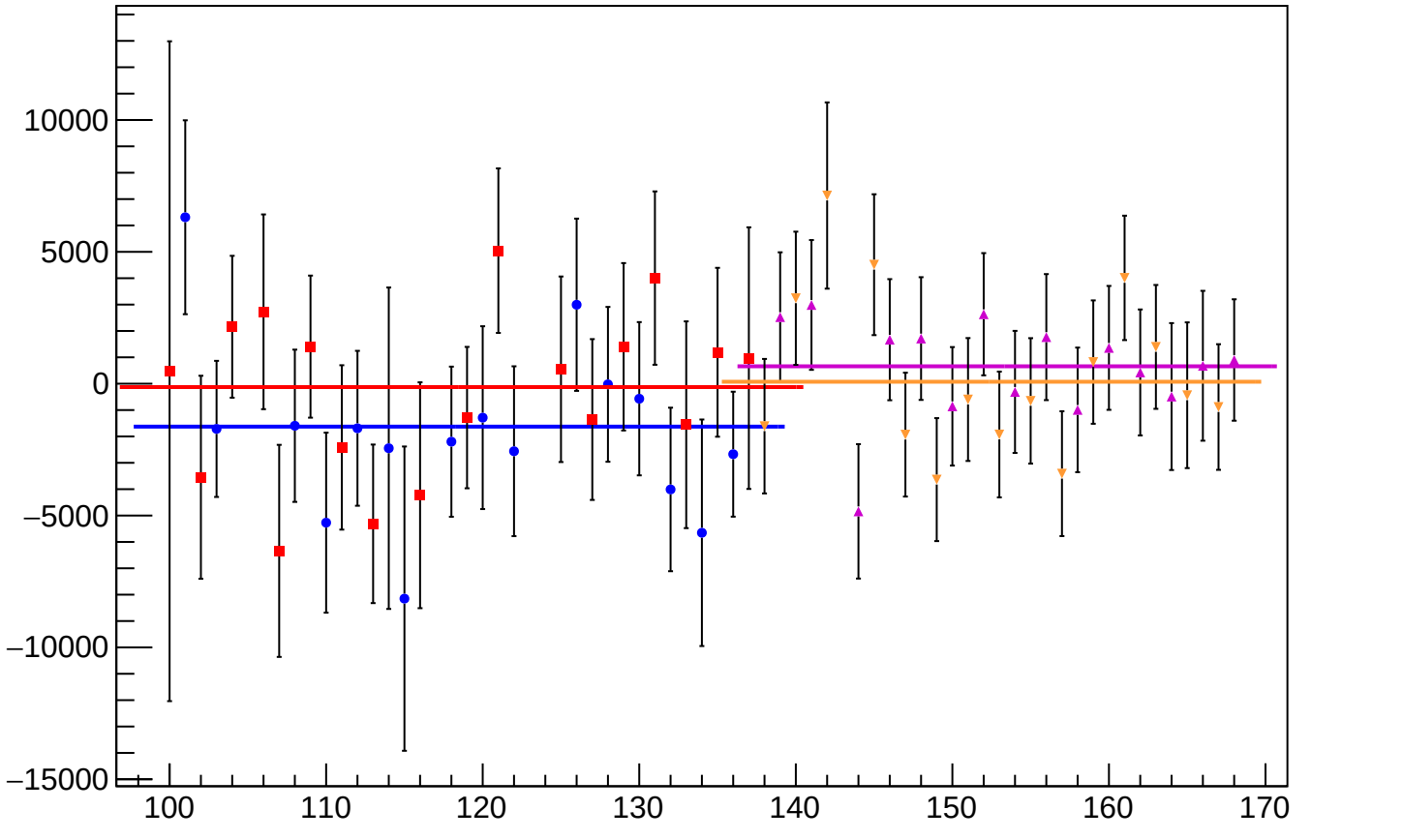
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1436.059+/-0.290 χ^2/NDF:187209.7/14

+ sign 1580.719+/-0.267 χ^2/NDF: 2814664.8/30

All: 1574.055+/-0.186 χ^2/NDF: 5408725.6/63

- sign 1567.769+/-0.259 χ^2/NDF: 2592850.0/32



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: 73.980+/-637.201 χ^2/NDF:18.5/14

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

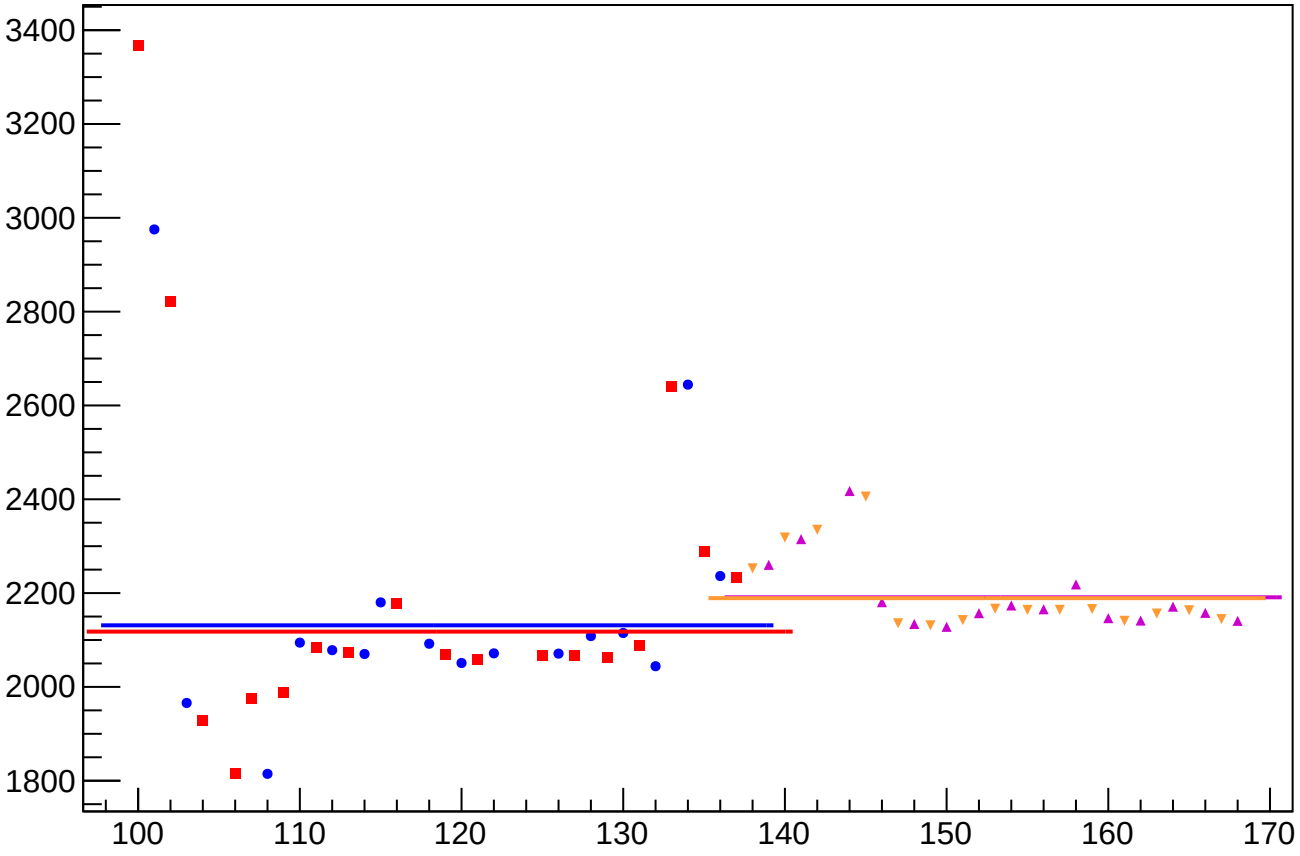
Left In: 659.688+/-622.266 χ^2/NDF:8.9/14

+ sign -588.578+/-497.927 χ^2/NDF: 32.6/30

All: -106.472+/-349.331 χ^2/NDF: 58.5/63

- sign 360.825+/-490.220 χ^2/NDF: 24.0/32

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: 2189.213+/-0.451 χ^2/NDF:29053.9/14

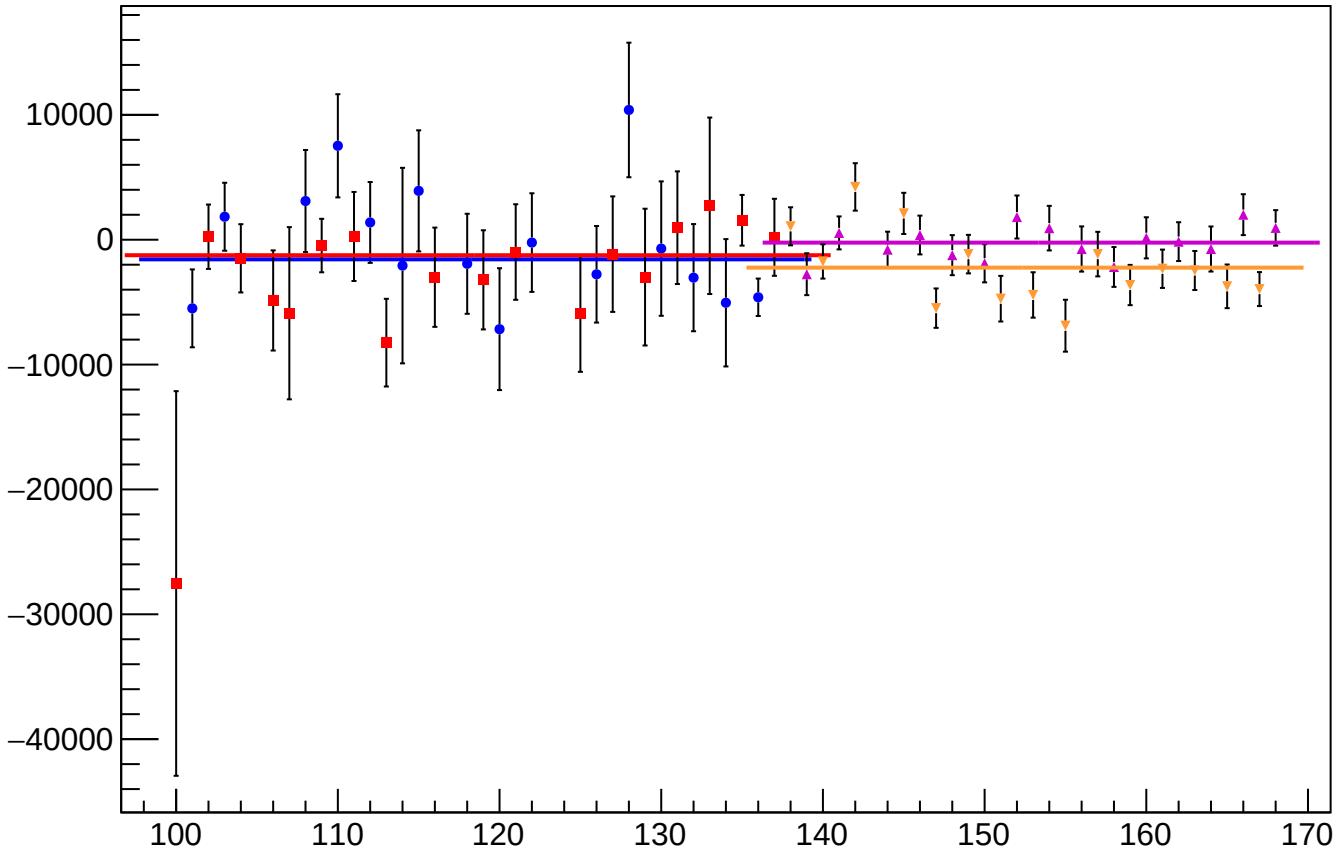
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2191.011+/-0.440 χ^2/NDF:29223.2/14

+ sign 2166.663+/-0.352 χ^2/NDF: 211430.3/30

All: 2164.936+/-0.247 χ^2/NDF: 414806.7/63

- sign 2163.262+/-0.347 χ^2/NDF: 203329.0/32



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -2236.043+/-420.252 χ^2/NDF:39.9/14

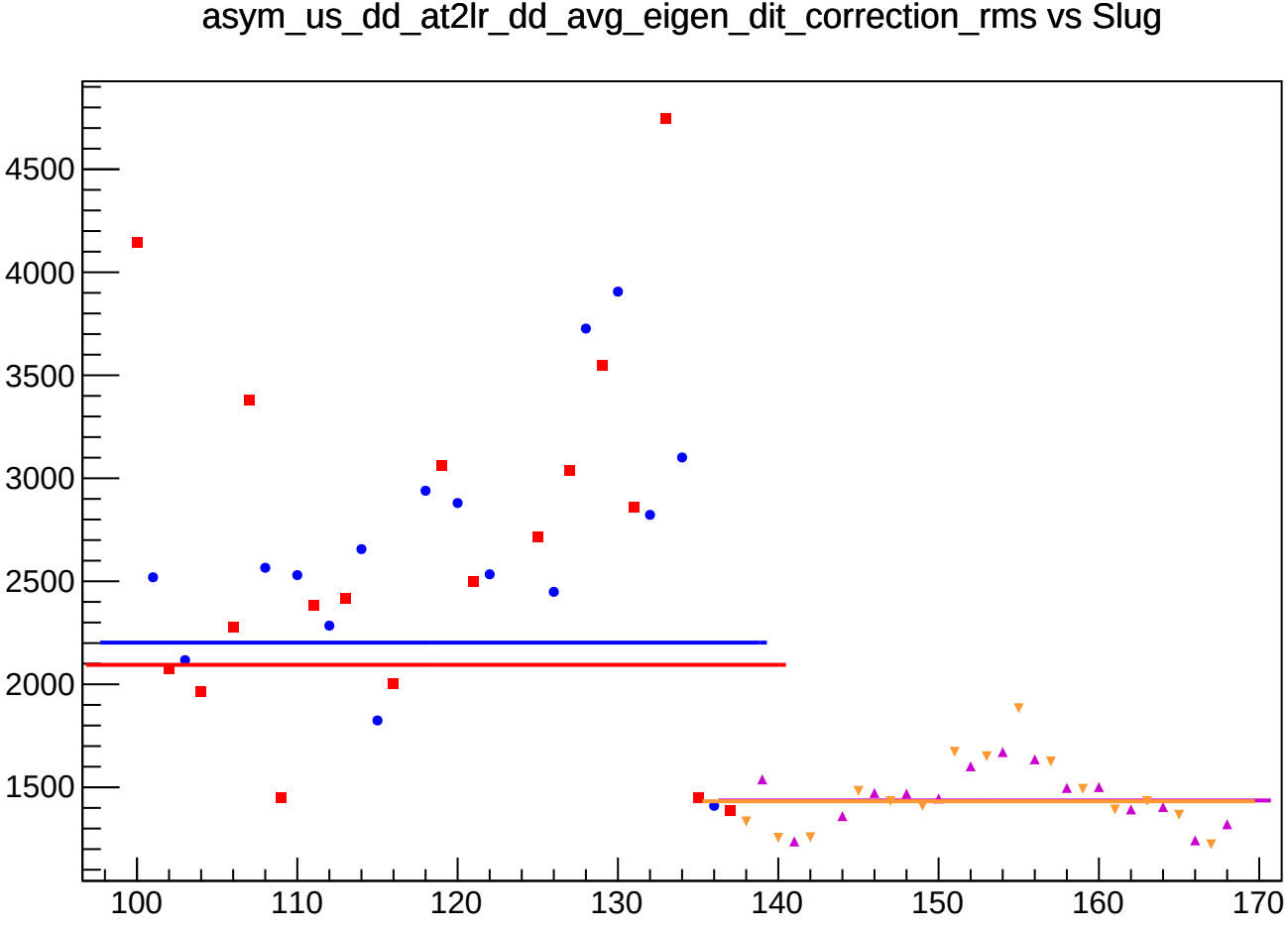
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -231.988+/-409.952 χ^2/NDF:10.6/14

+ sign -2107.800+/-377.561 χ^2/NDF: 63.0/30

All: -1246.311+/-263.037 χ^2/NDF: 97.9/63

- sign -433.844+/-366.661 χ^2/NDF: 24.9/32



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1432.188+/-0.297 χ^2/NDF:296204.5/14

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

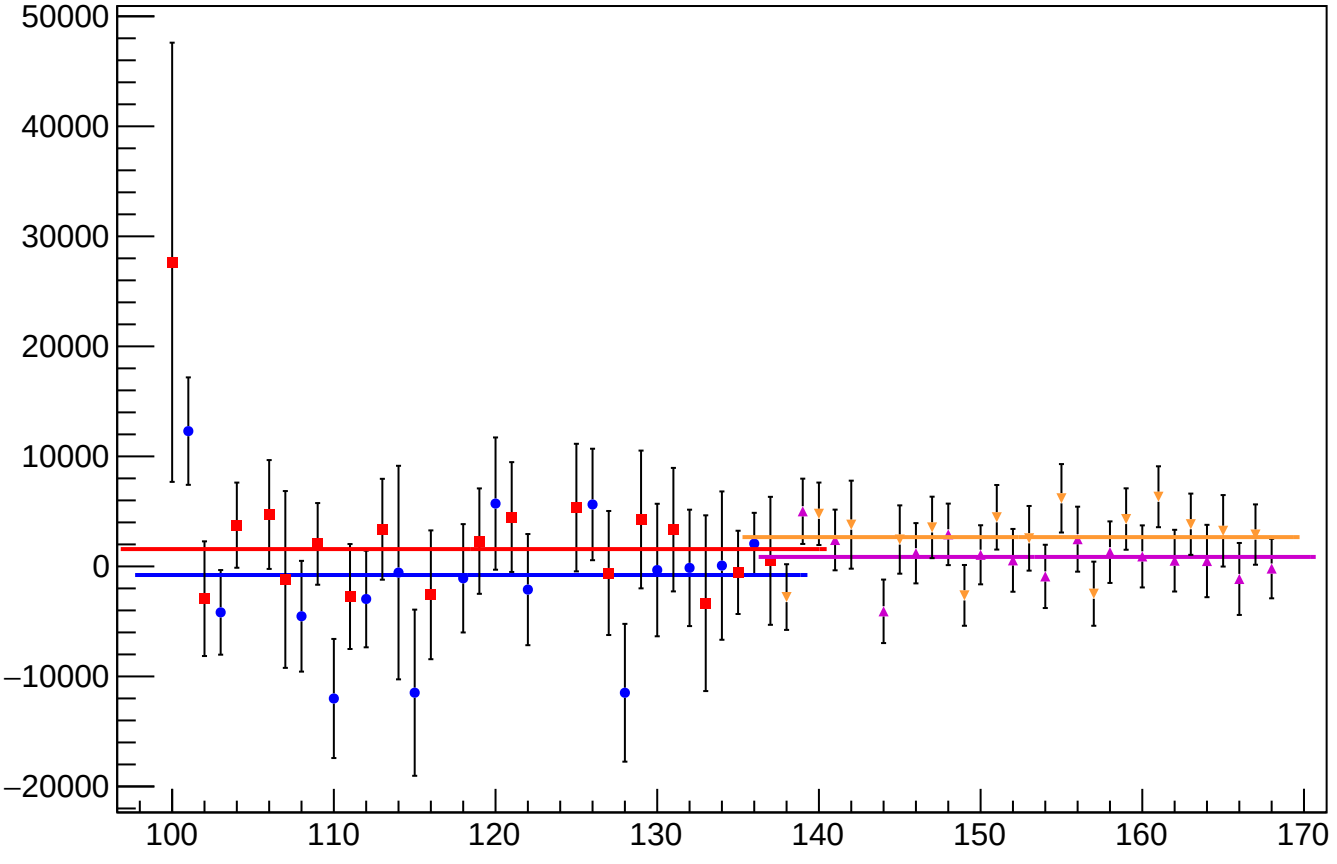
Left In: 1436.059+/-0.290 χ^2/NDF:187214.2/14

+ sign 1580.722+/-0.267 χ^2/NDF: 2814626.6/30

All: 1574.057+/-0.186 χ^2/NDF: 5408678.8/63

- sign 1567.771+/-0.259 χ^2/NDF: 2592841.0/32

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2662.529+/-760.217 χ^2/NDF:14.8/14

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

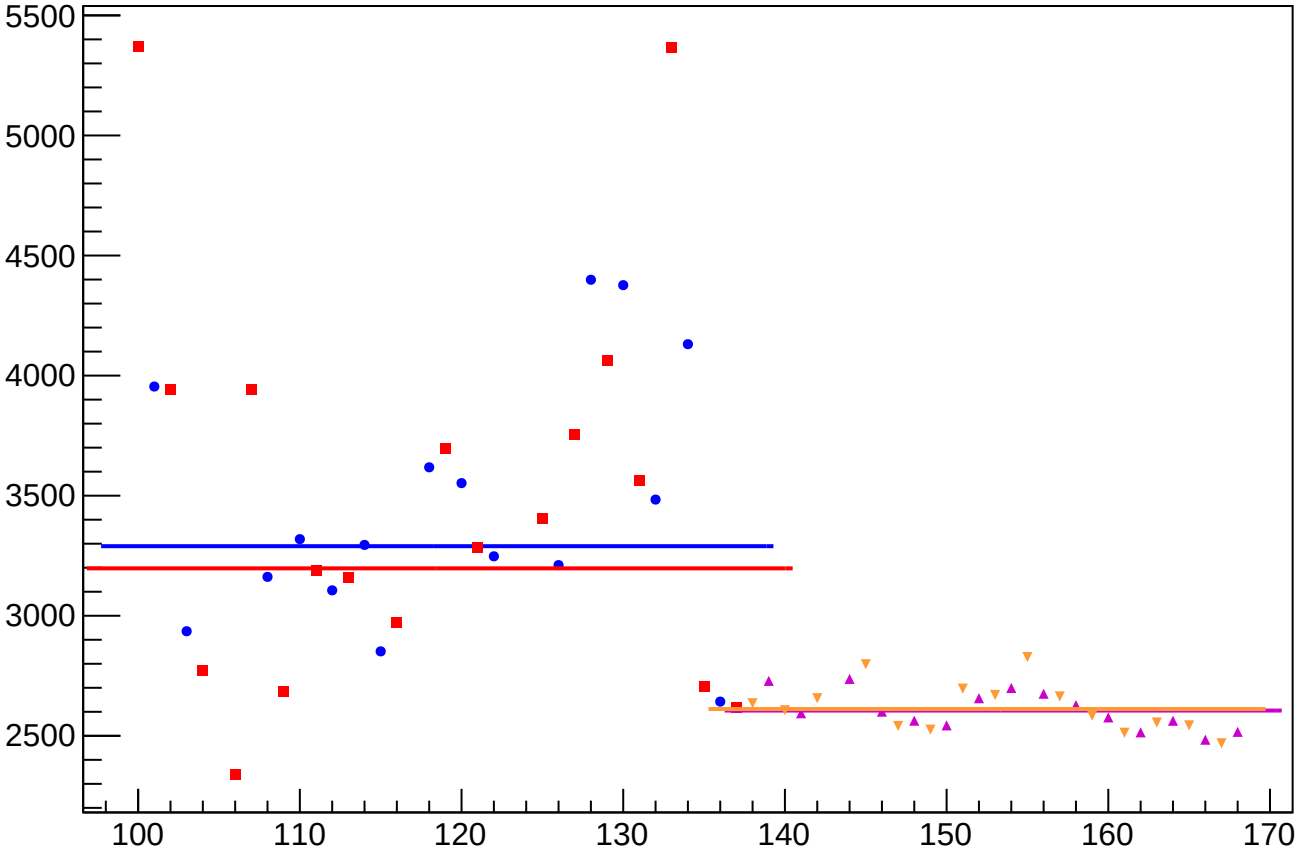
Left In: 861.224+/-739.911 χ^2/NDF:7.0/14

+ sign 1723.527+/-648.355 χ^2/NDF: 42.3/30

All: 1380.131+/-452.749 χ^2/NDF: 56.9/63

- sign 1053.318+/-632.507 χ^2/NDF: 14.0/32

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2611.586+/-0.538 χ^2/NDF:33437.0/14

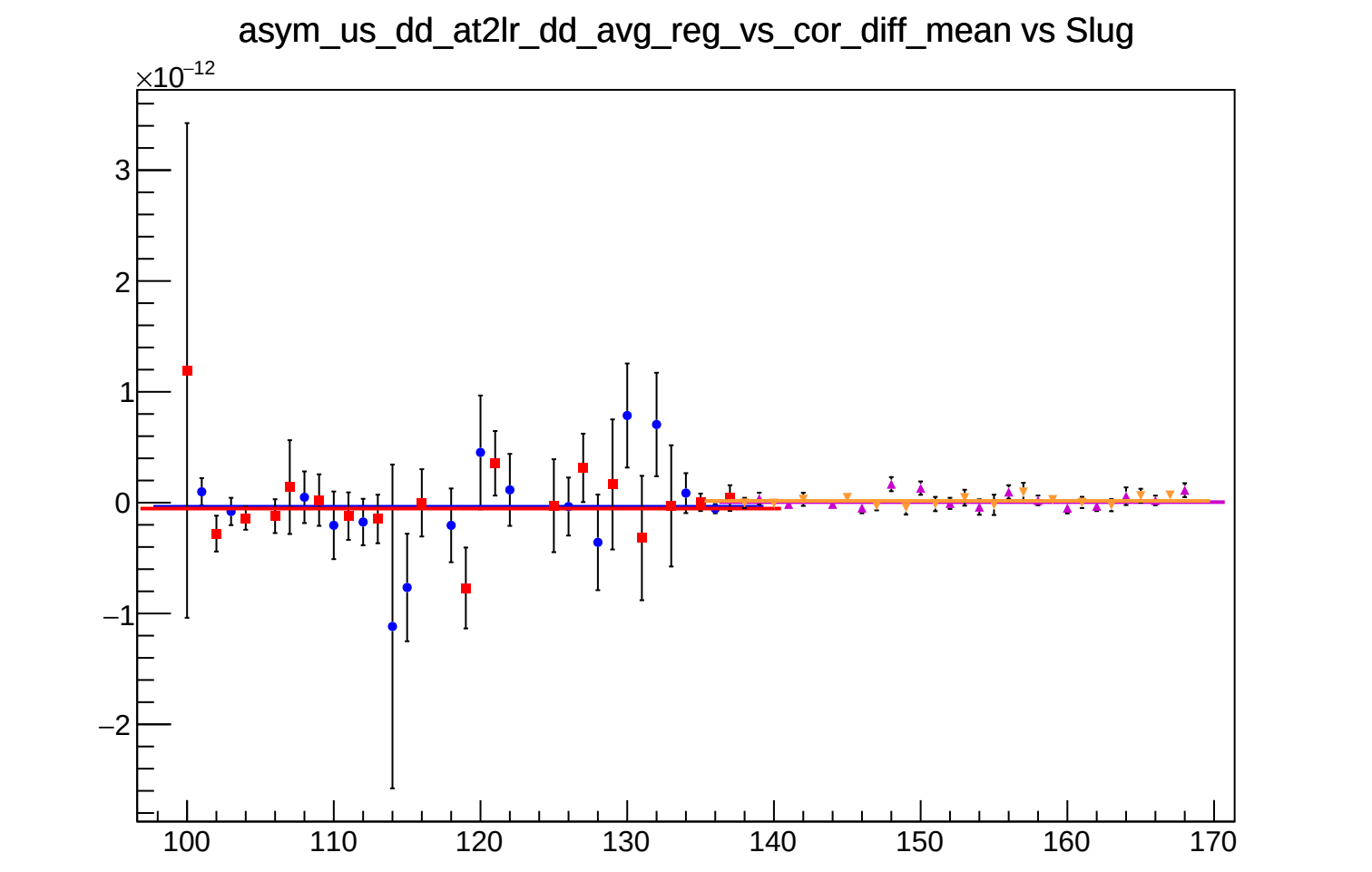
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2605.245+/-0.523 χ^2/NDF:20756.6/14

+ sign 2796.463+/-0.458 χ^2/NDF: 814874.3/30

All: 2780.177+/-0.320 χ^2/NDF: 1682905.4/63

- sign 2764.678+/-0.447 χ^2/NDF: 865568.2/32



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/14

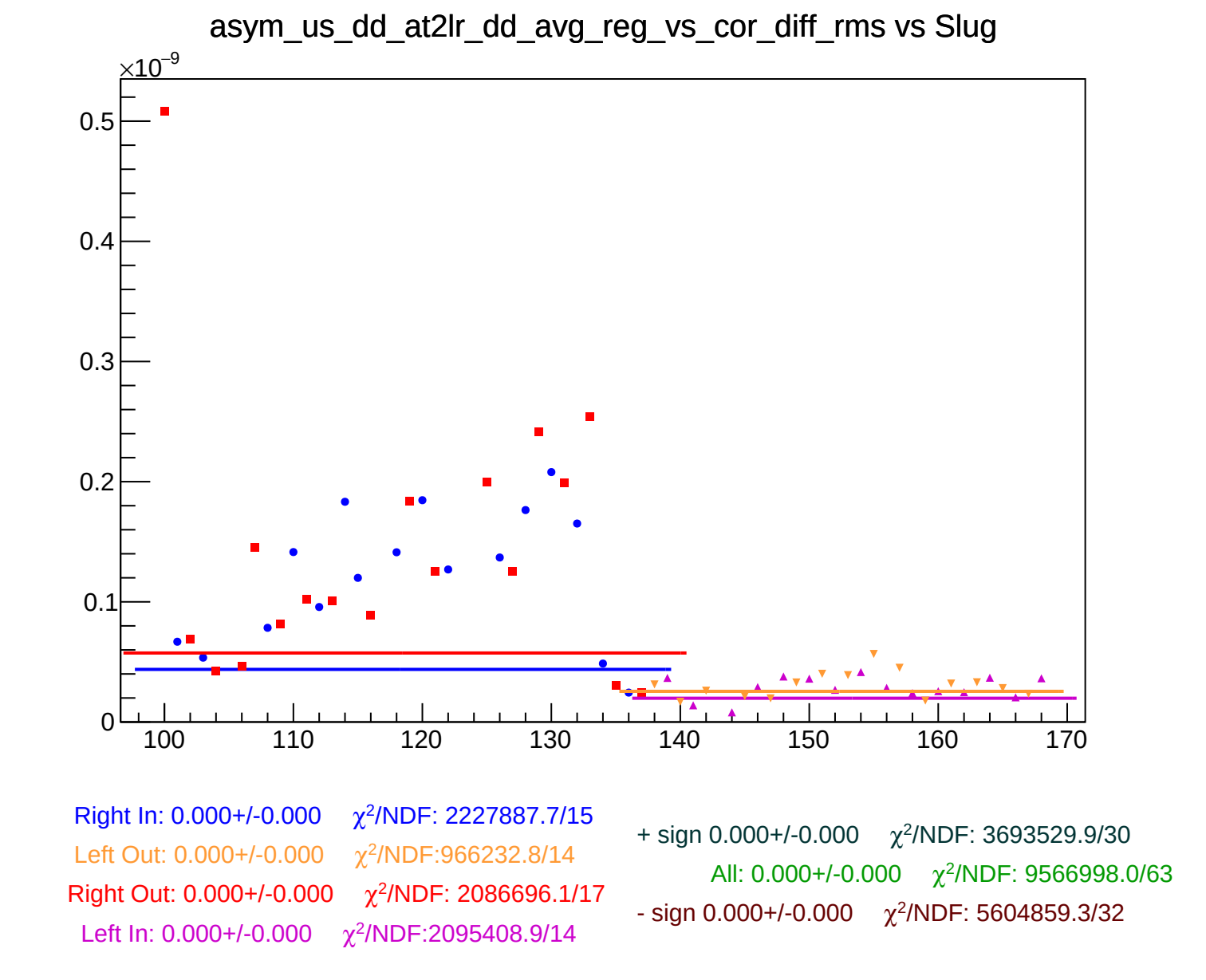
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

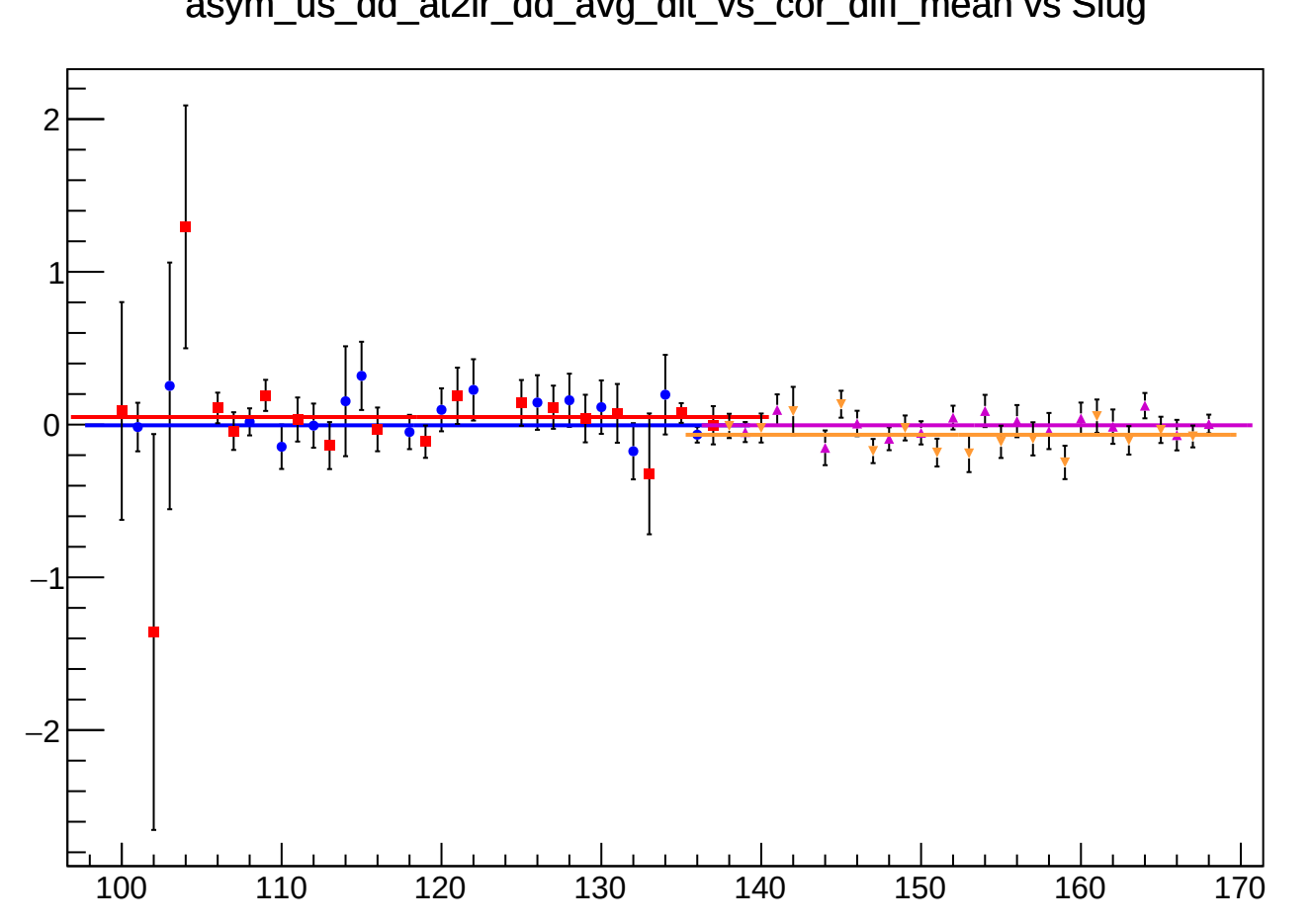
Left In: 0.000+/-0.000 χ^2/NDF:22.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 23.0/30

All: 0.000+/-0.000 χ^2/NDF: 59.9/63

- sign 0.000+/-0.000 χ^2/NDF: 36.6/32


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2227887.7/15
Left Out: 0.000+/-0.000 χ²/NDF:966232.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 2086696.1/17
Left In: 0.000+/-0.000 χ²/NDF:2095408.9/14
+ sign 0.000+/-0.000 χ²/NDF: 3693529.9/30
All: 0.000+/-0.000 χ²/NDF: 9566998.0/63
- sign 0.000+/-0.000 χ²/NDF: 5604859.3/32



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.067+/-0.024 χ^2/NDF:16.1/14

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

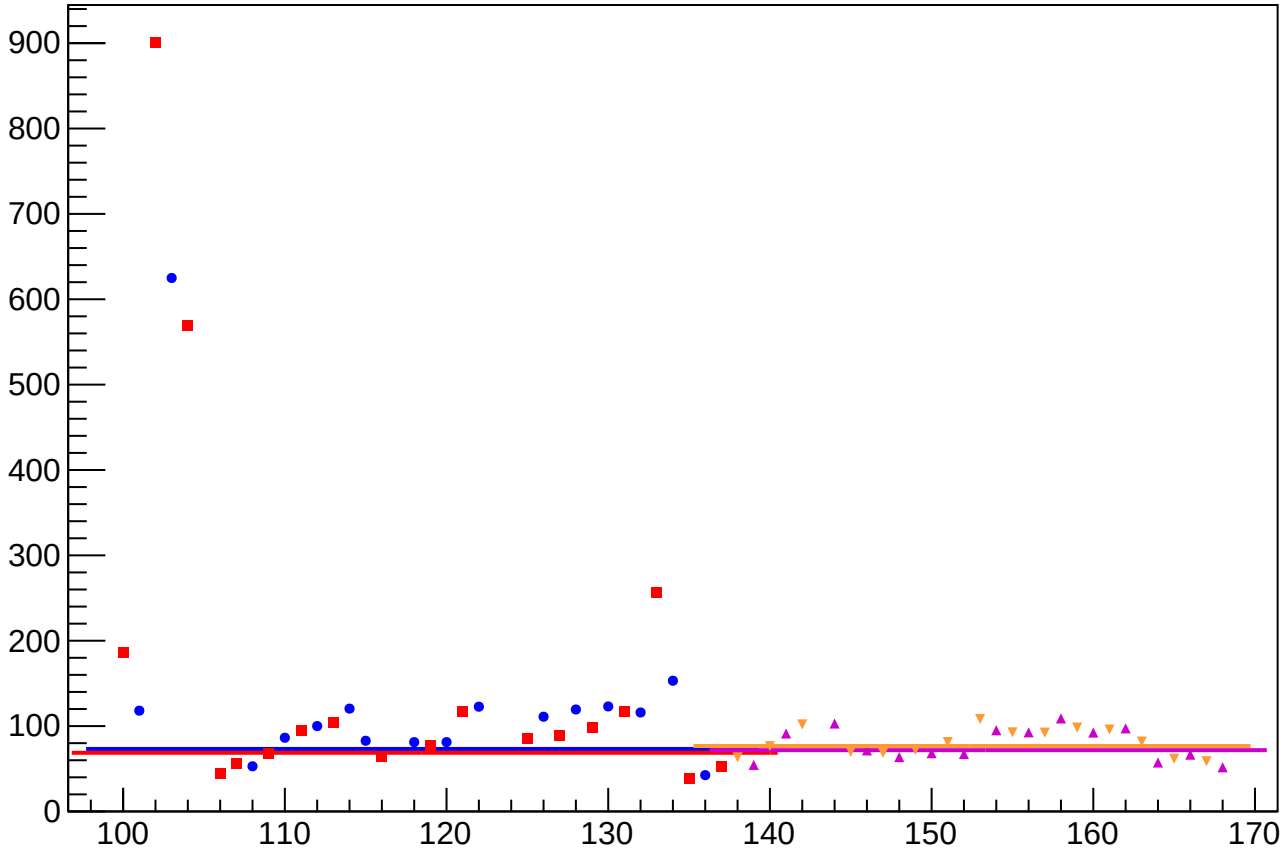
Left In: -0.004+/-0.022 χ^2/NDF:9.3/14

+ sign -0.044+/-0.019 χ^2/NDF: 28.8/30

All: -0.014+/-0.013 χ^2/NDF: 57.9/63

- sign 0.014+/-0.018 χ^2/NDF: 24.3/32

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 76.659+/-0.017 χ^2/NDF:702493.6/14

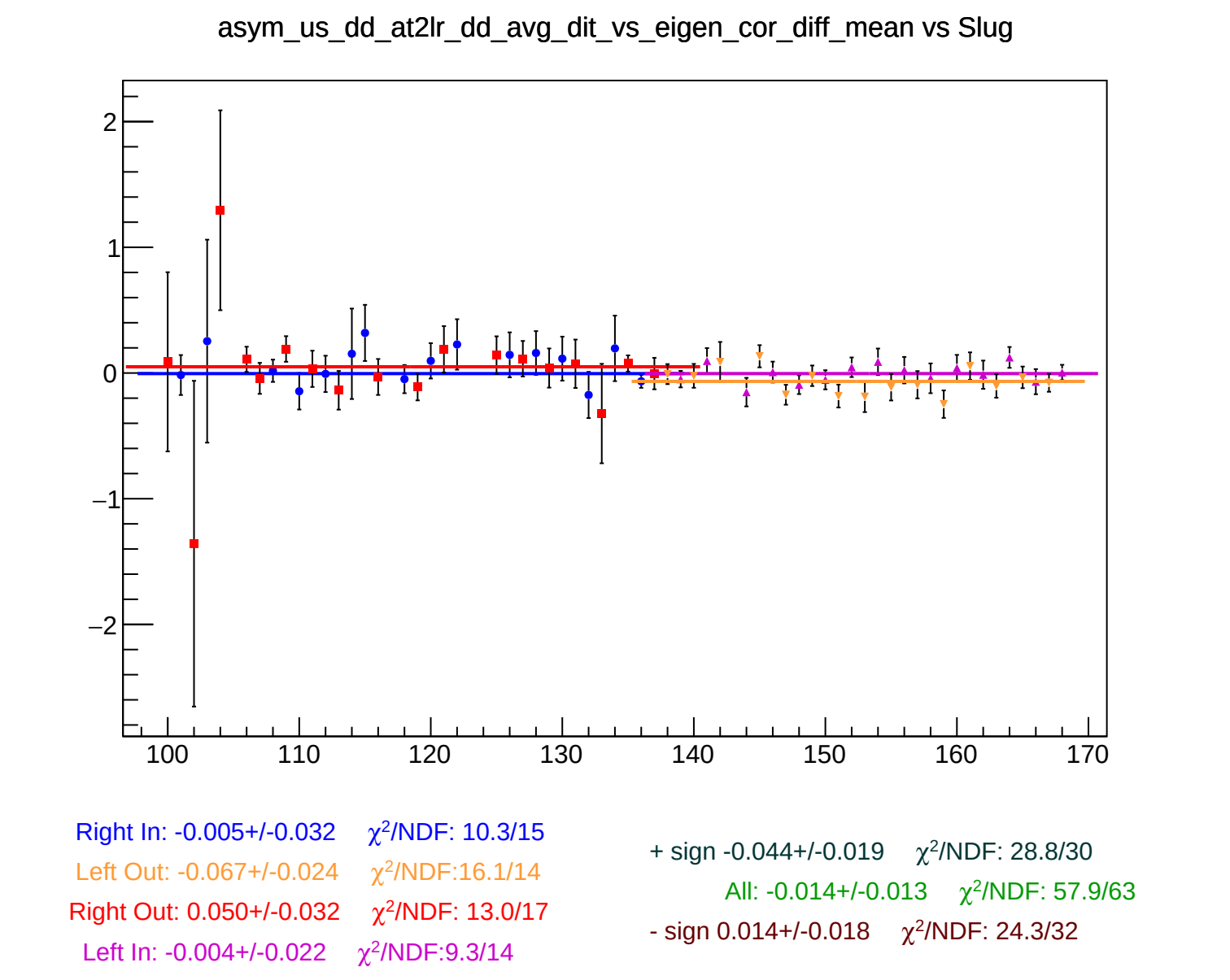
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

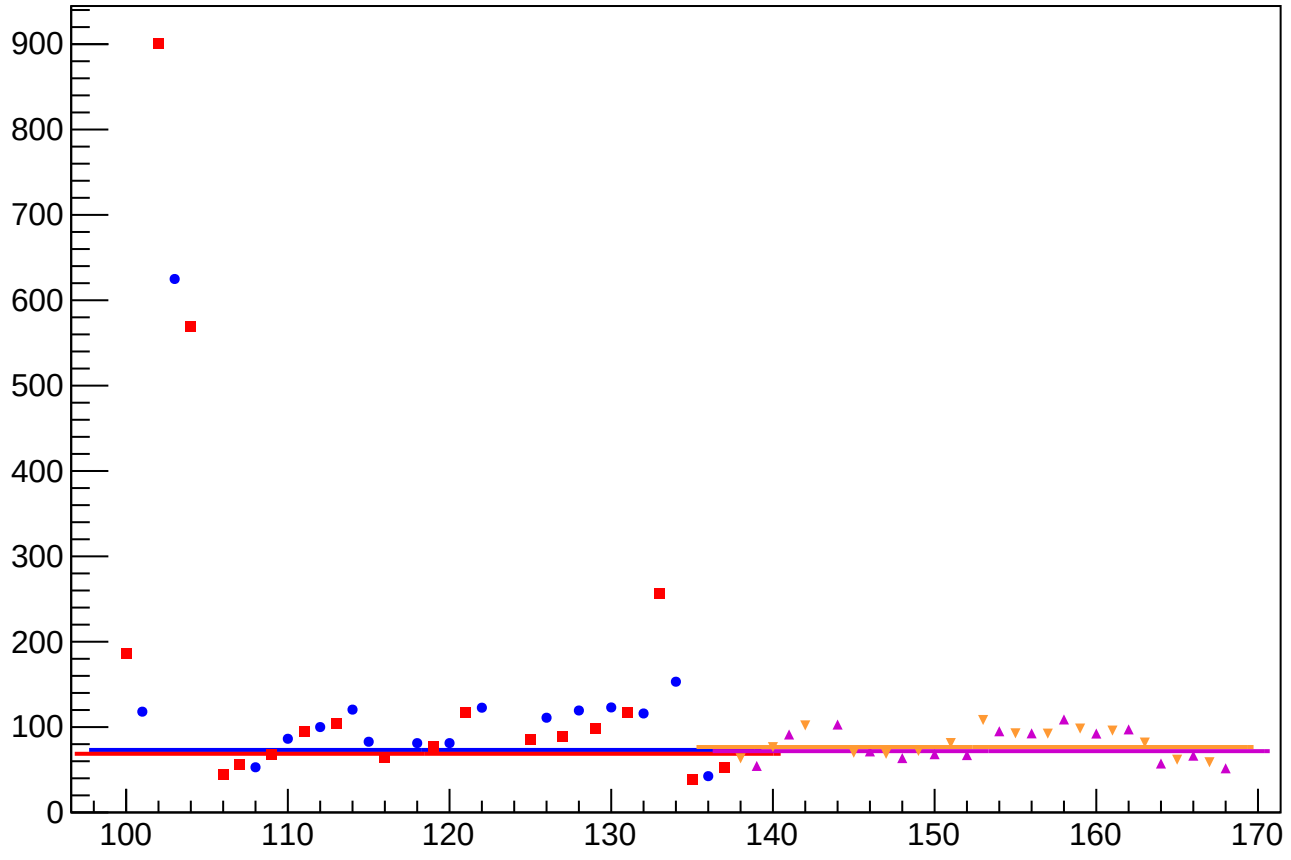
Left In: 71.810+/-0.016 χ^2/NDF:1234975.1/14

+ sign 75.431+/-0.014 χ^2/NDF: 3571576.7/30

All: 72.979+/-0.009 χ^2/NDF: 8212165.6/63

- sign 70.784+/-0.013 χ^2/NDF: 4579405.1/32


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.067+/-0.024 χ²/NDF:16.1/14
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.004+/-0.022 χ²/NDF:9.3/14
+ sign -0.044+/-0.019 χ²/NDF: 28.8/30
All: -0.014+/-0.013 χ²/NDF: 57.9/63
- sign 0.014+/-0.018 χ²/NDF: 24.3/32



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 76.659+/-0.017 χ^2/NDF:702493.6/14

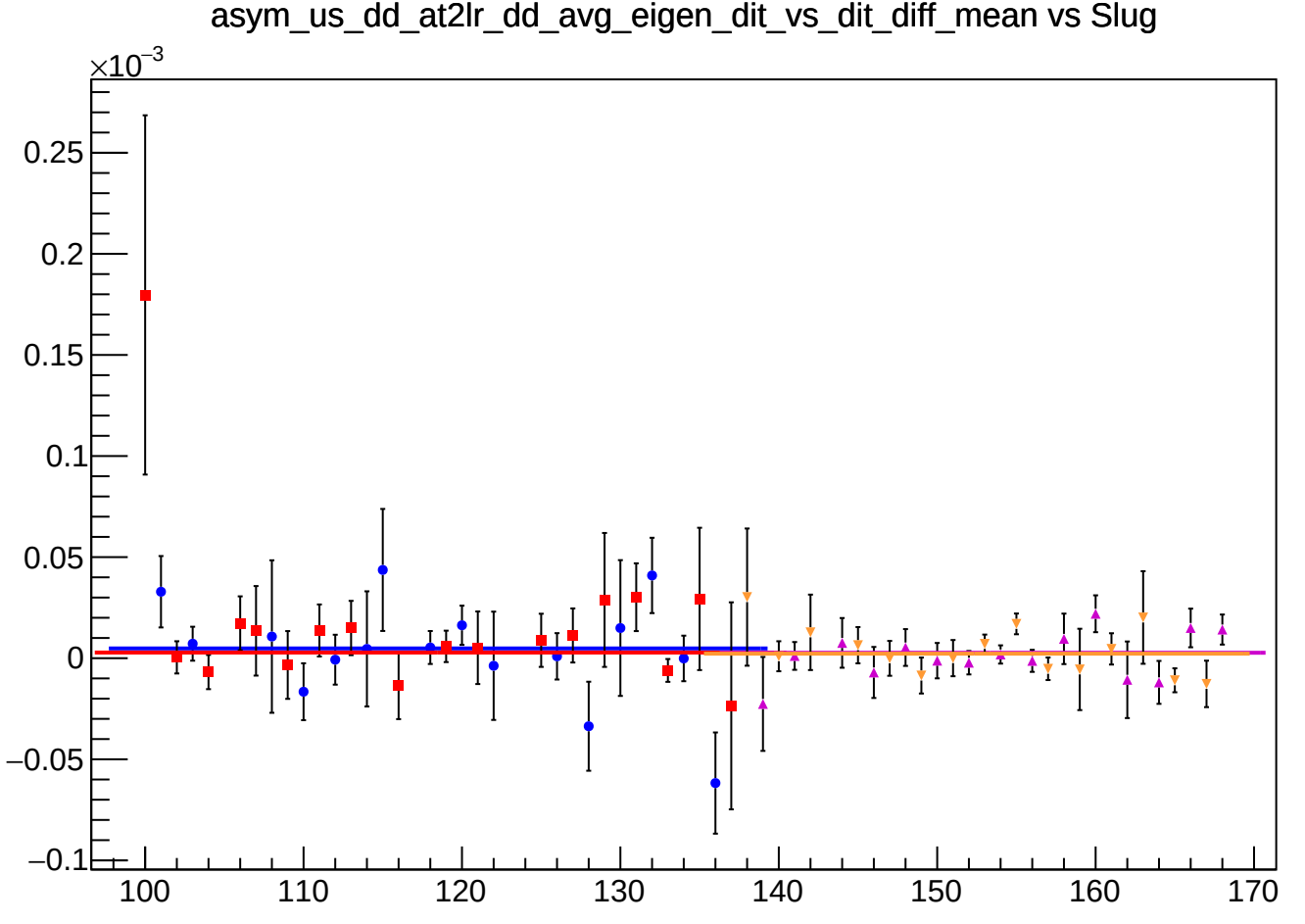
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 71.810+/-0.016 χ^2/NDF:1234975.1/14

+ sign 75.431+/-0.014 χ^2/NDF: 3571576.7/30

All: 72.979+/-0.009 χ^2/NDF: 8212165.6/63

- sign 70.784+/-0.013 χ^2/NDF: 4579405.1/32



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/14

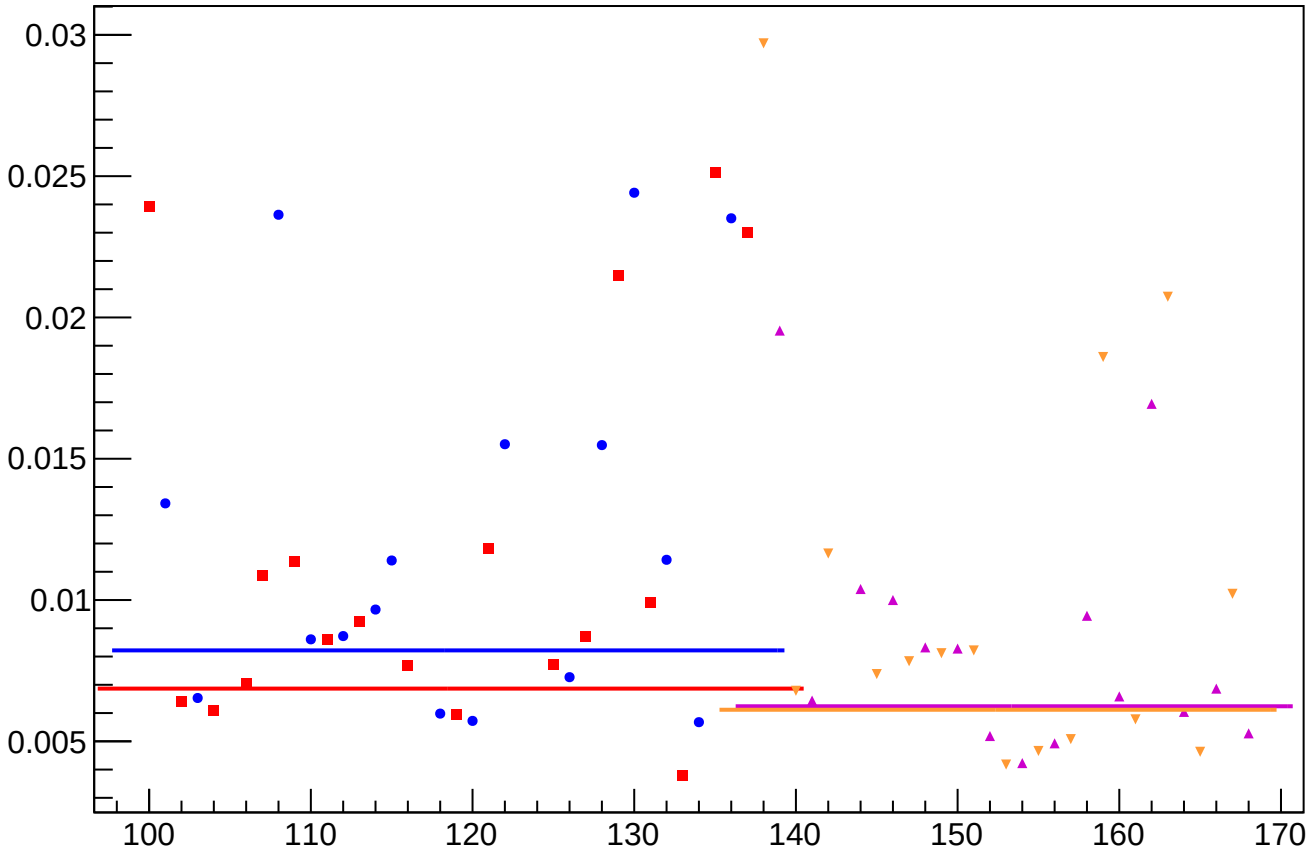
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:14.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 44.5/30

All: 0.000+/-0.000 χ^2/NDF: 76.1/63

- sign 0.000+/-0.000 χ^2/NDF: 31.6/32



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF:4044718.2/14

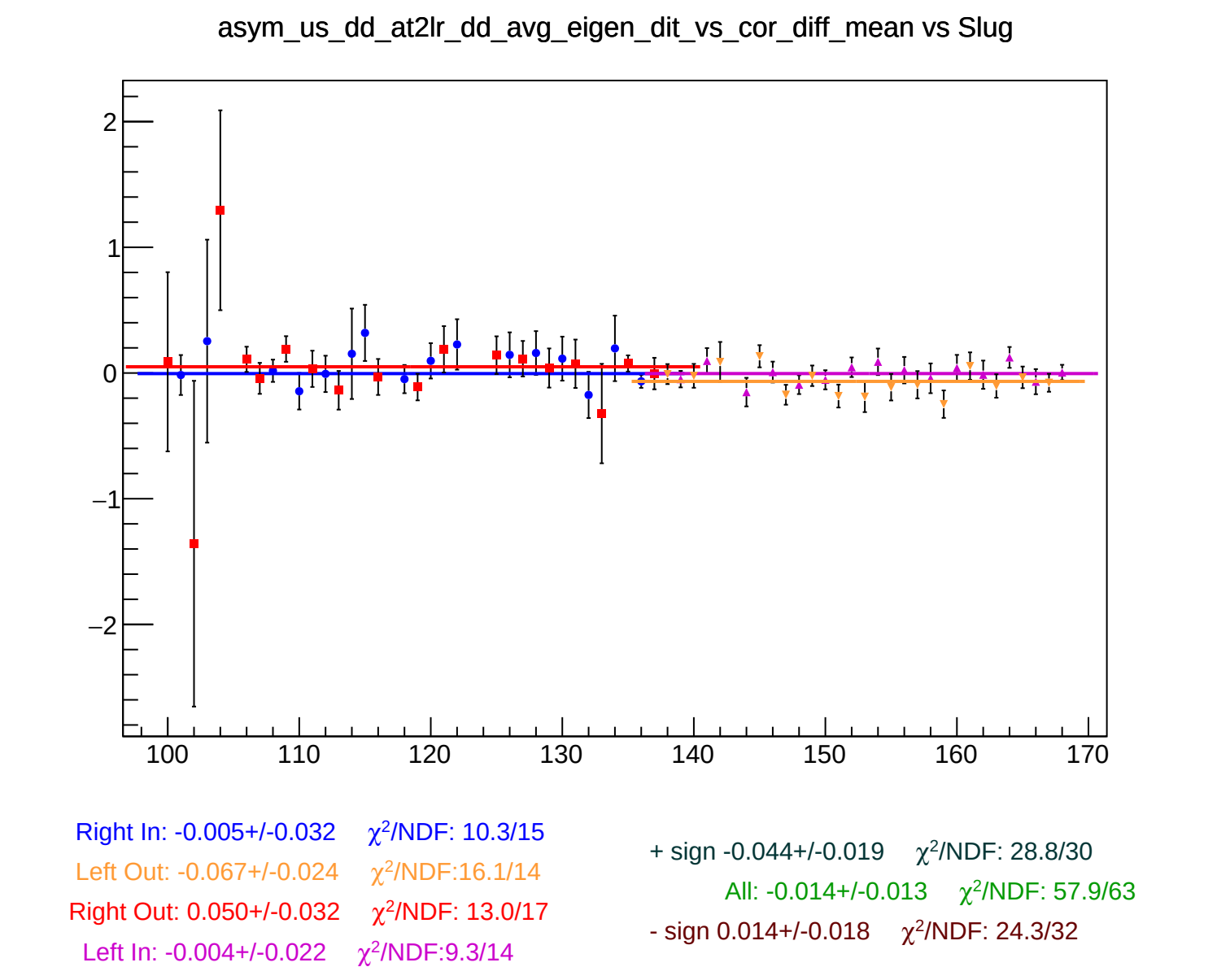
Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

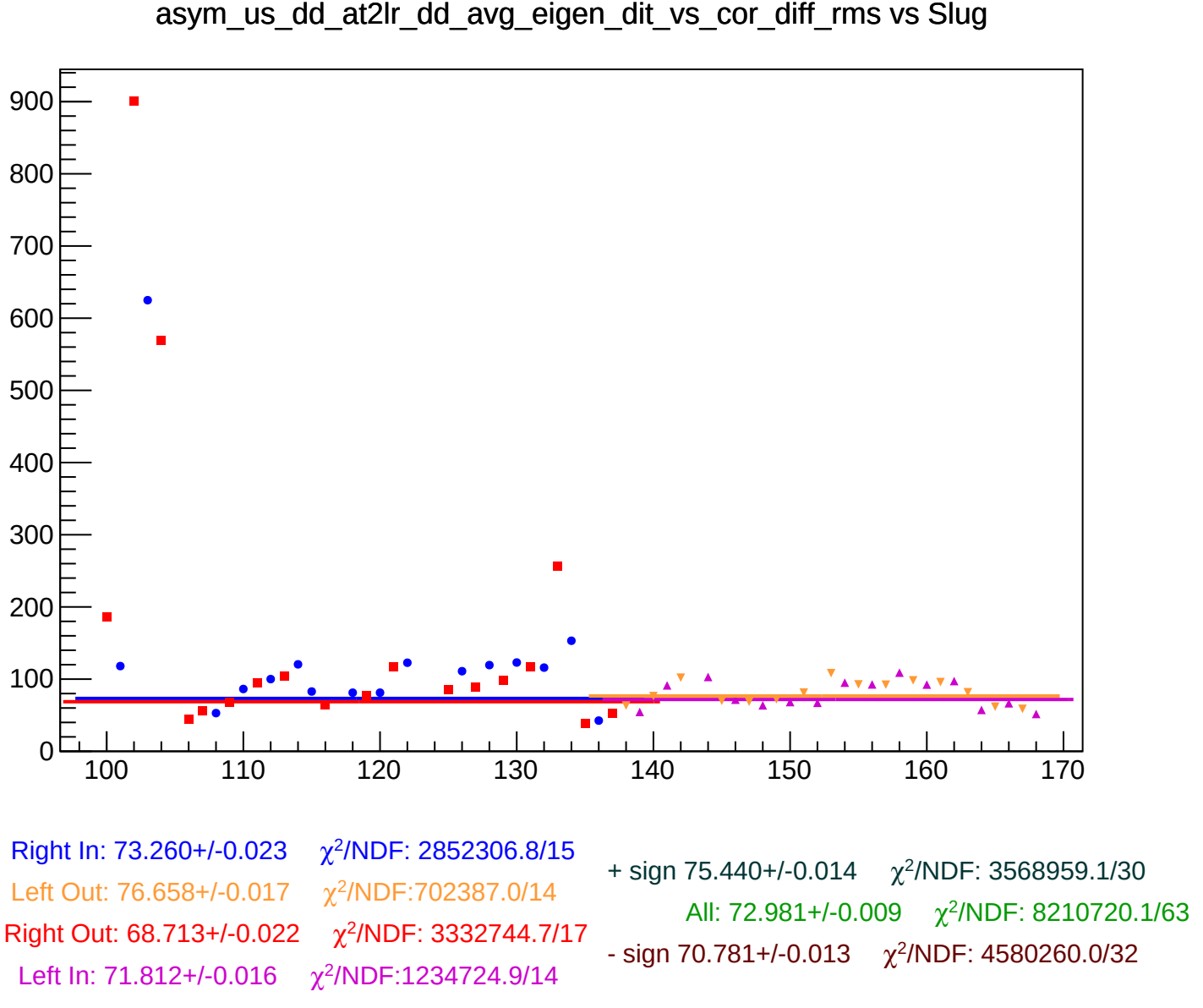
Left In: 0.006+/-0.000 χ^2/NDF:2670670.7/14

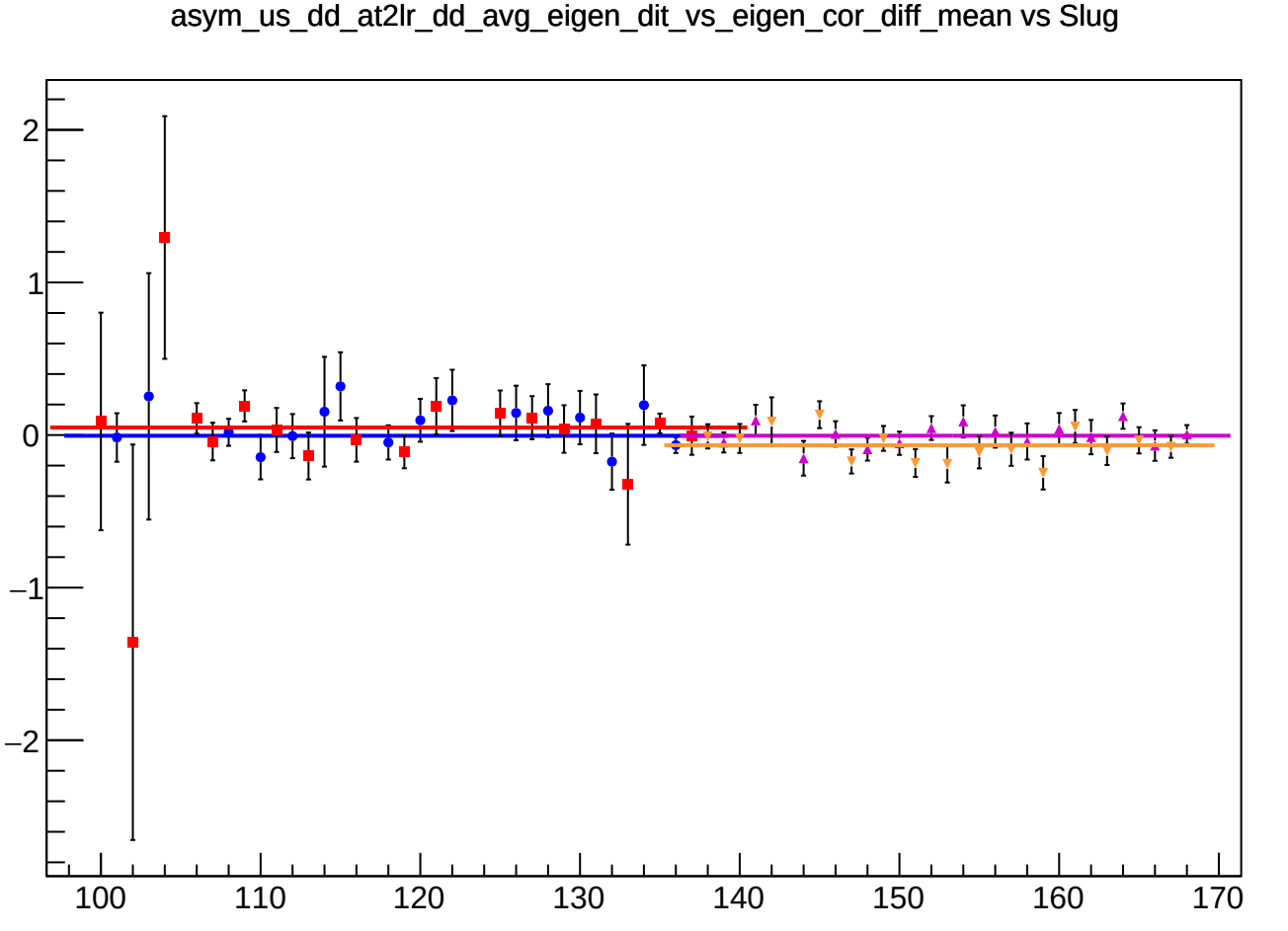
+ sign 0.007+/-0.000 χ^2/NDF: 7244627.6/30

All: 0.007+/-0.000 χ^2/NDF: 12416435.5/63

- sign 0.006+/-0.000 χ^2/NDF: 5160480.7/32


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.067+/-0.024 χ²/NDF:16.1/14
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.004+/-0.022 χ²/NDF:9.3/14
+ sign -0.044+/-0.019 χ²/NDF: 28.8/30
All: -0.014+/-0.013 χ²/NDF: 57.9/63
- sign 0.014+/-0.018 χ²/NDF: 24.3/32


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
Right In: 73.260+/-0.023 χ²/NDF: 2852306.8/15
Left Out: 76.658+/-0.017 χ²/NDF:702387.0/14
Right Out: 68.713+/-0.022 χ²/NDF: 3332744.7/17
Left In: 71.812+/-0.016 χ²/NDF:1234724.9/14
+ sign 75.440+/-0.014 χ²/NDF: 3568959.1/30
All: 72.981+/-0.009 χ²/NDF: 8210720.1/63
- sign 70.781+/-0.013 χ²/NDF: 4580260.0/32



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.067+/-0.024 χ^2/NDF:16.1/14

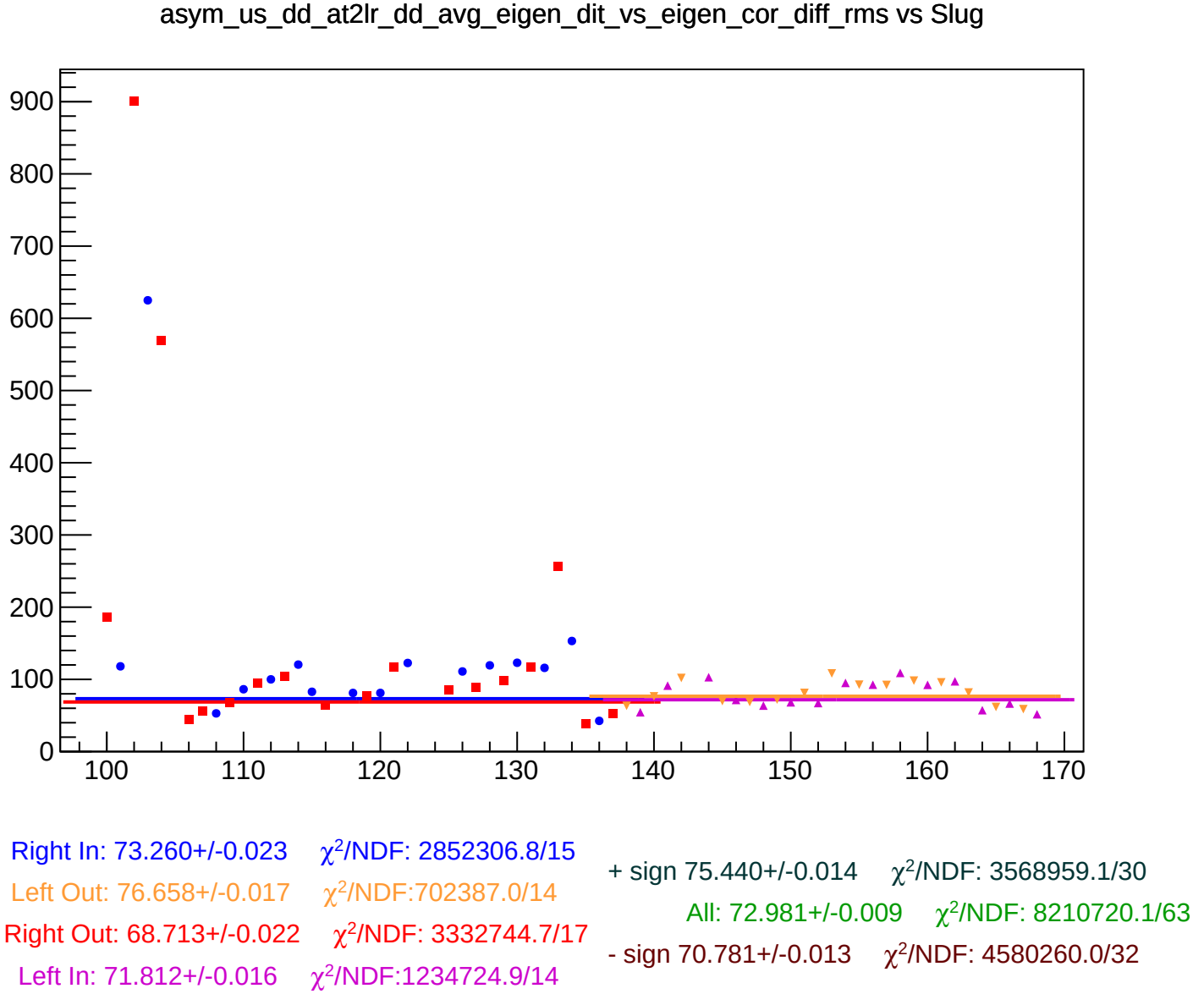
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

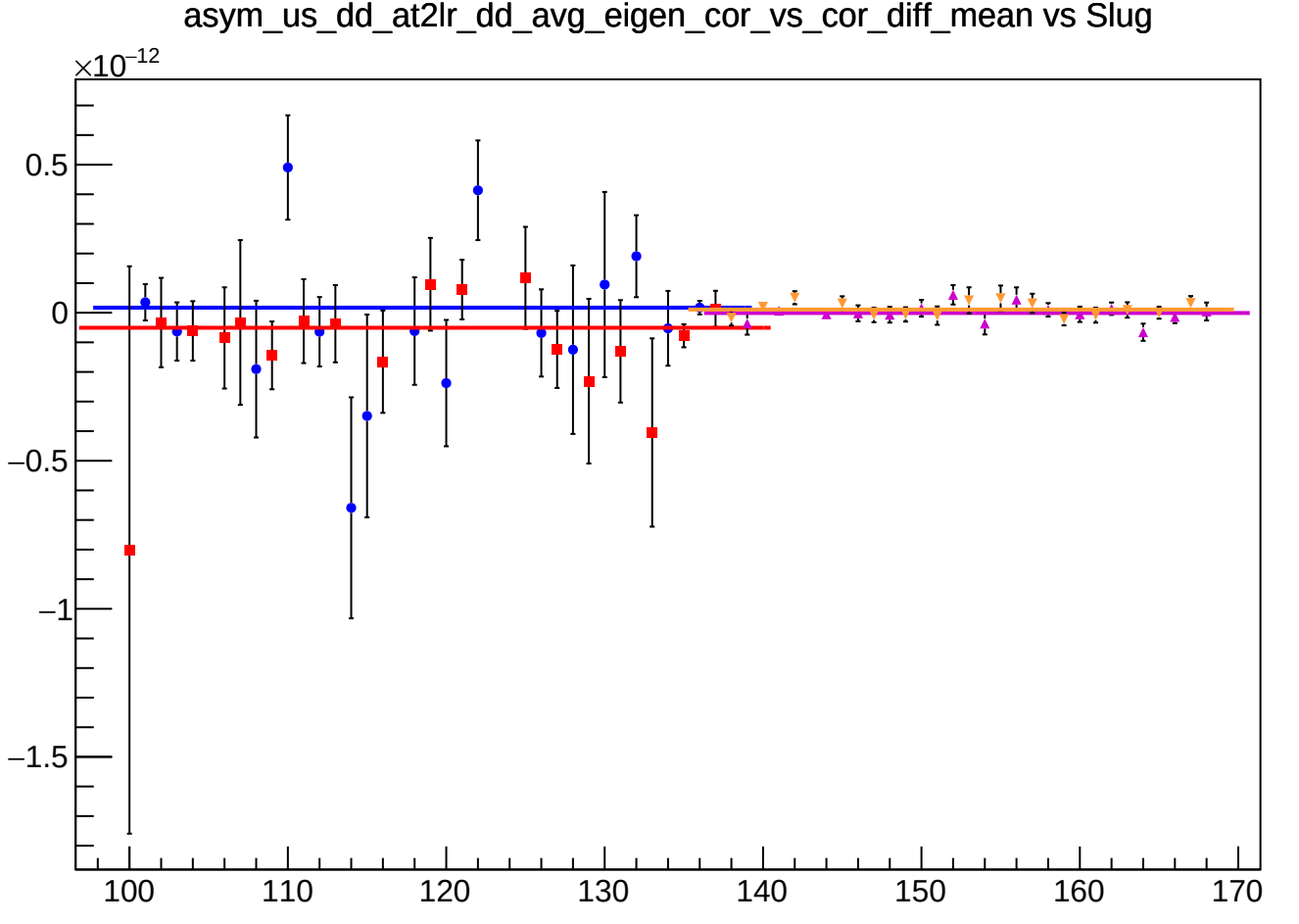
Left In: -0.004+/-0.022 χ^2/NDF:9.3/14

+ sign -0.044+/-0.019 χ^2/NDF: 28.8/30

All: -0.014+/-0.013 χ^2/NDF: 57.9/63

- sign 0.014+/-0.018 χ^2/NDF: 24.3/32


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
Right In: 73.260+/-0.023 χ²/NDF: 2852306.8/15
Left Out: 76.658+/-0.017 χ²/NDF:702387.0/14
Right Out: 68.713+/-0.022 χ²/NDF: 3332744.7/17
Left In: 71.812+/-0.016 χ²/NDF:1234724.9/14
+ sign 75.440+/-0.014 χ²/NDF: 3568959.1/30
All: 72.981+/-0.009 χ²/NDF: 8210720.1/63
- sign 70.781+/-0.013 χ²/NDF: 4580260.0/32



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/14

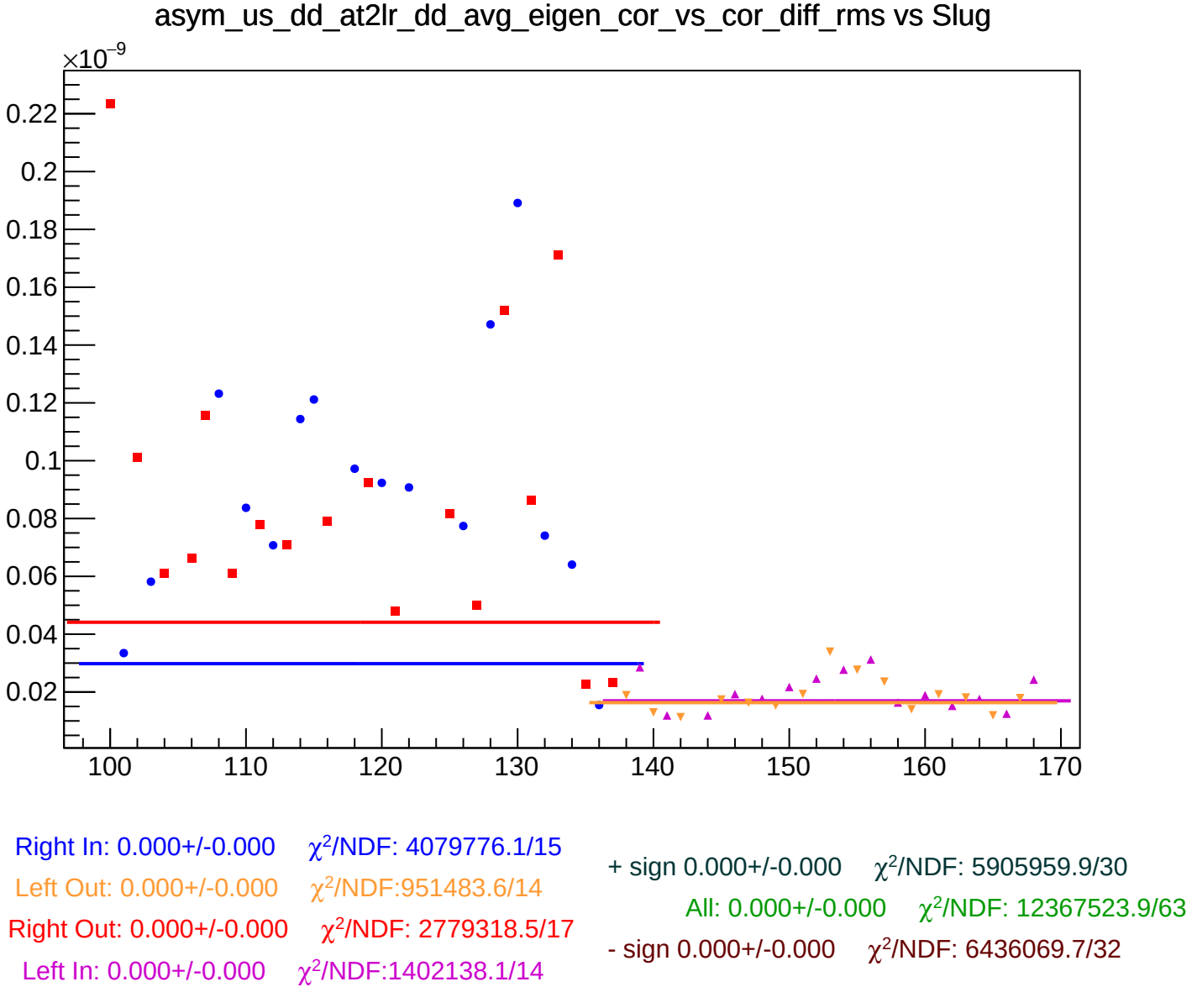
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:13.3/14

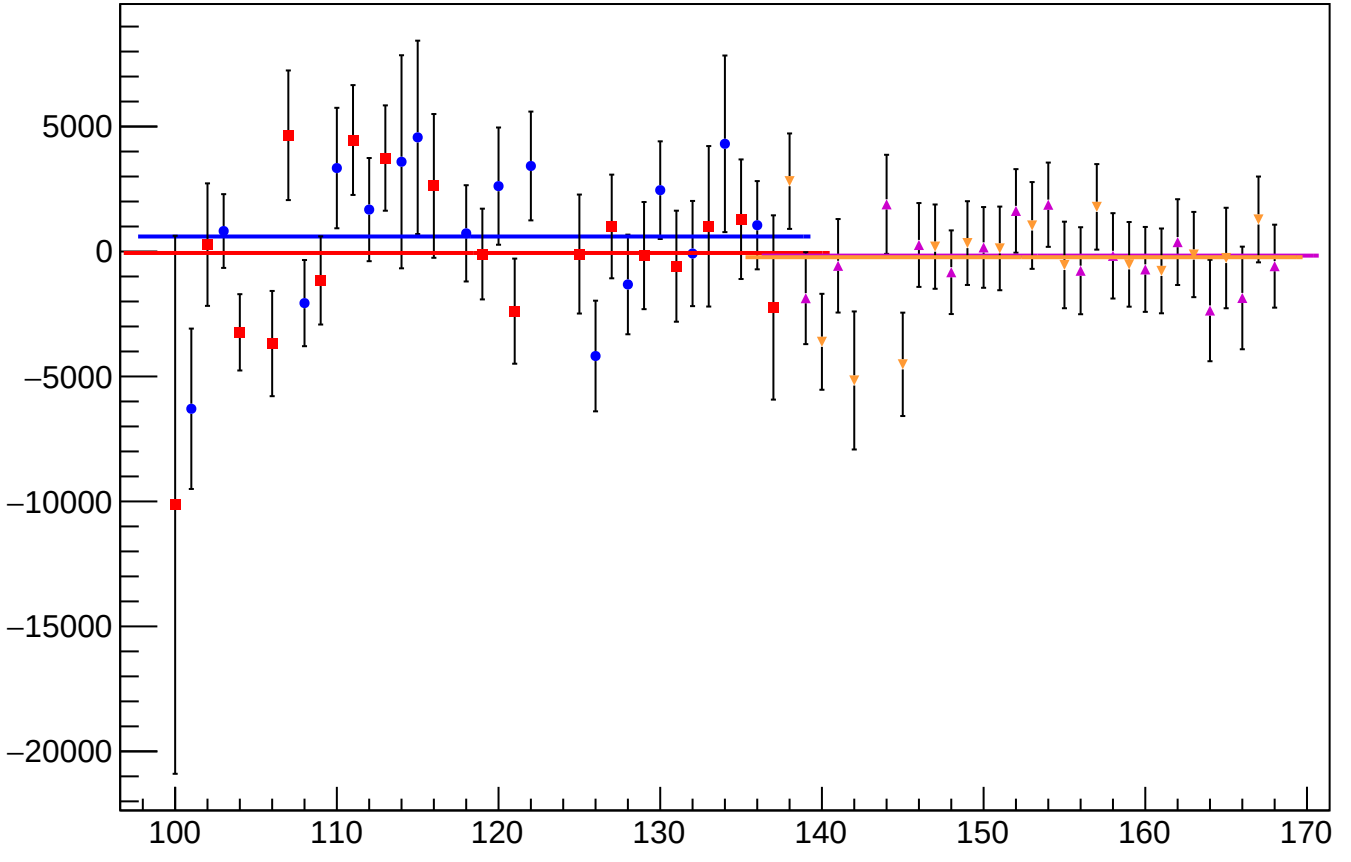
+ sign 0.000+/-0.000 χ^2/NDF: 36.0/30

All: 0.000+/-0.000 χ^2/NDF: 65.4/63

- sign -0.000+/-0.000 χ^2/NDF: 26.2/32


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:951483.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1402138.1/14
+ sign 0.000+/-0.000 χ²/NDF: 5905959.9/30
All: 0.000+/-0.000 χ²/NDF: 12367523.9/63
- sign 0.000+/-0.000 χ²/NDF: 6436069.7/32

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -228.474+/-465.817 χ^2/NDF:16.2/14

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

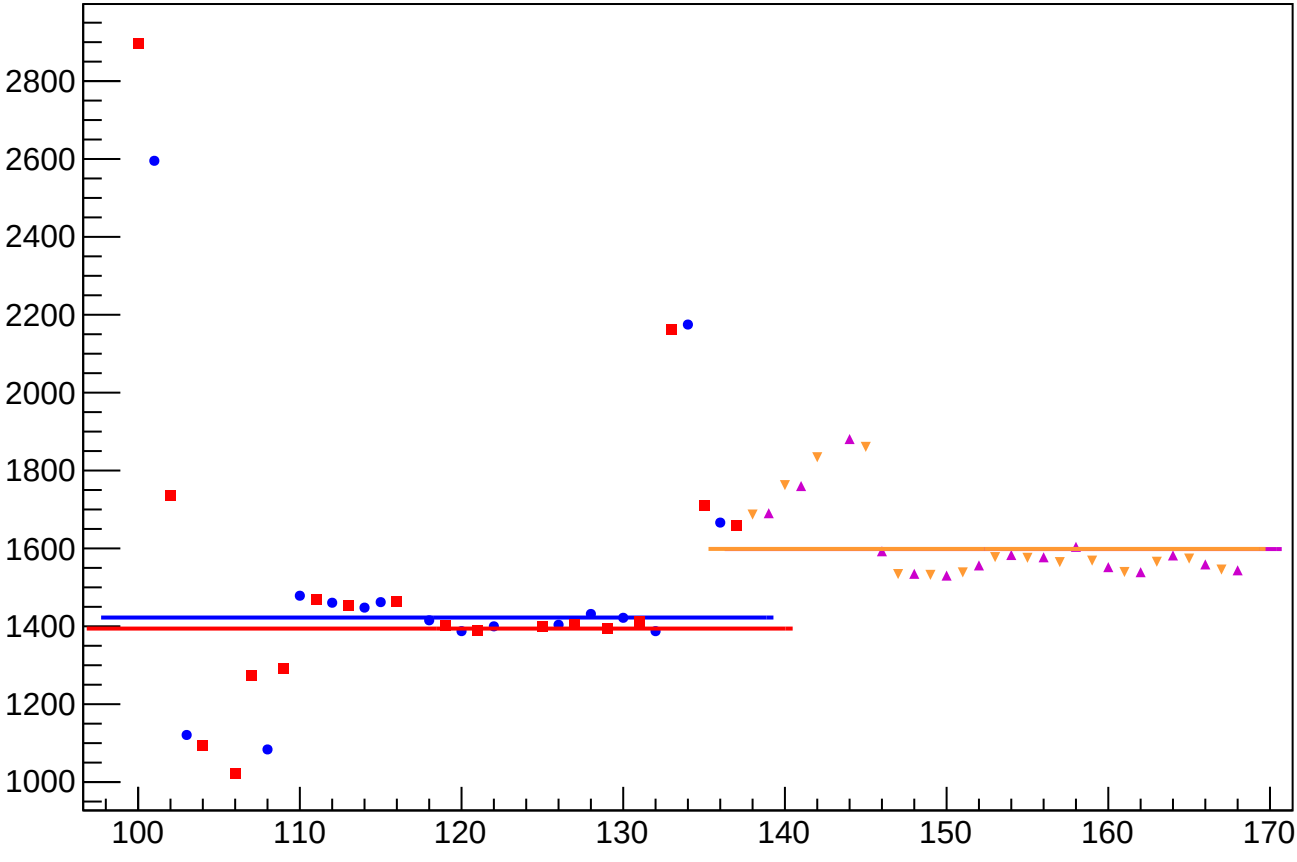
Left In: -164.796+/-454.396 χ^2/NDF:7.1/14

+ sign 125.013+/-352.732 χ^2/NDF: 37.9/30

All: -0.218+/-246.649 χ^2/NDF: 67.8/63

- sign -120.035+/-345.024 χ^2/NDF: 29.7/32

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1598.721+/-0.329 χ^2/NDF:81621.0/14

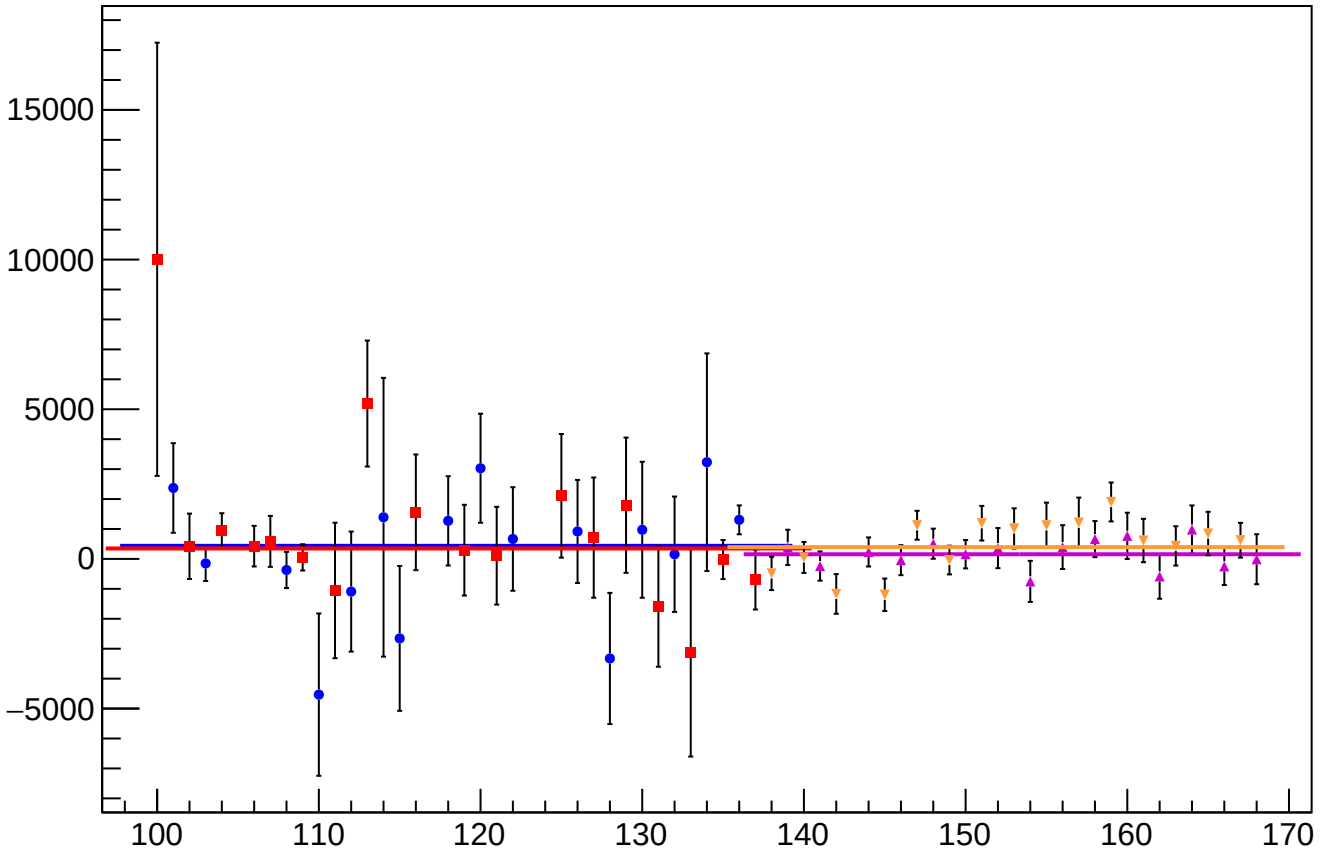
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1598.334+/-0.321 χ^2/NDF:75711.8/14

+ sign 1523.552+/-0.249 χ^2/NDF: 763964.2/30

All: 1517.586+/-0.174 χ^2/NDF: 1405434.0/63

- sign 1511.879+/-0.244 χ^2/NDF: 640350.5/32



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 393.609+/-156.021 χ^2/NDF:30.9/14

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

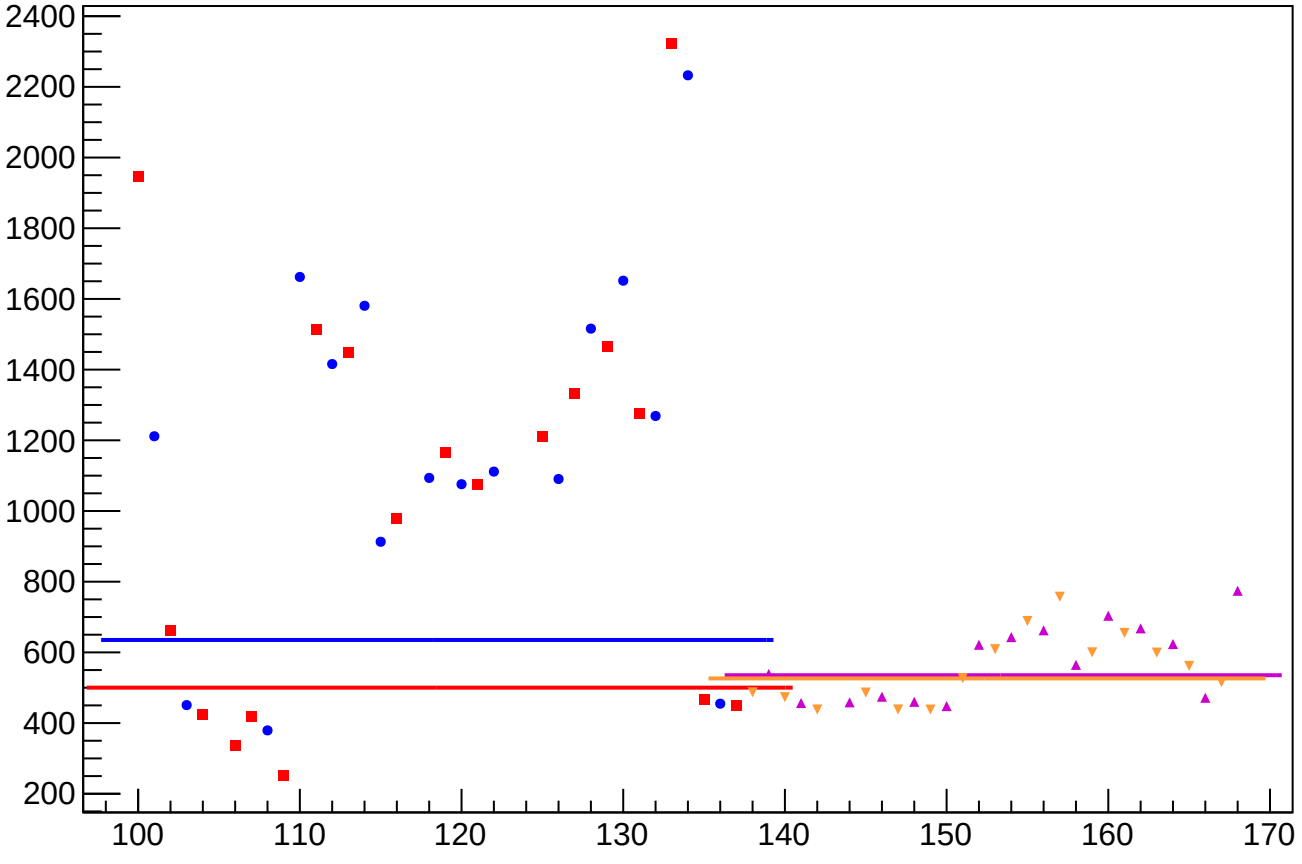
Left In: 155.986+/-154.843 χ^2/NDF:7.3/14

+ sign 404.003+/-135.812 χ^2/NDF: 50.3/30

All: 304.561+/-93.566 χ^2/NDF: 72.9/63

- sign 214.722+/-129.088 χ^2/NDF: 21.6/32

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: 526.324+/-0.110 χ^2/NDF:603379.5/14

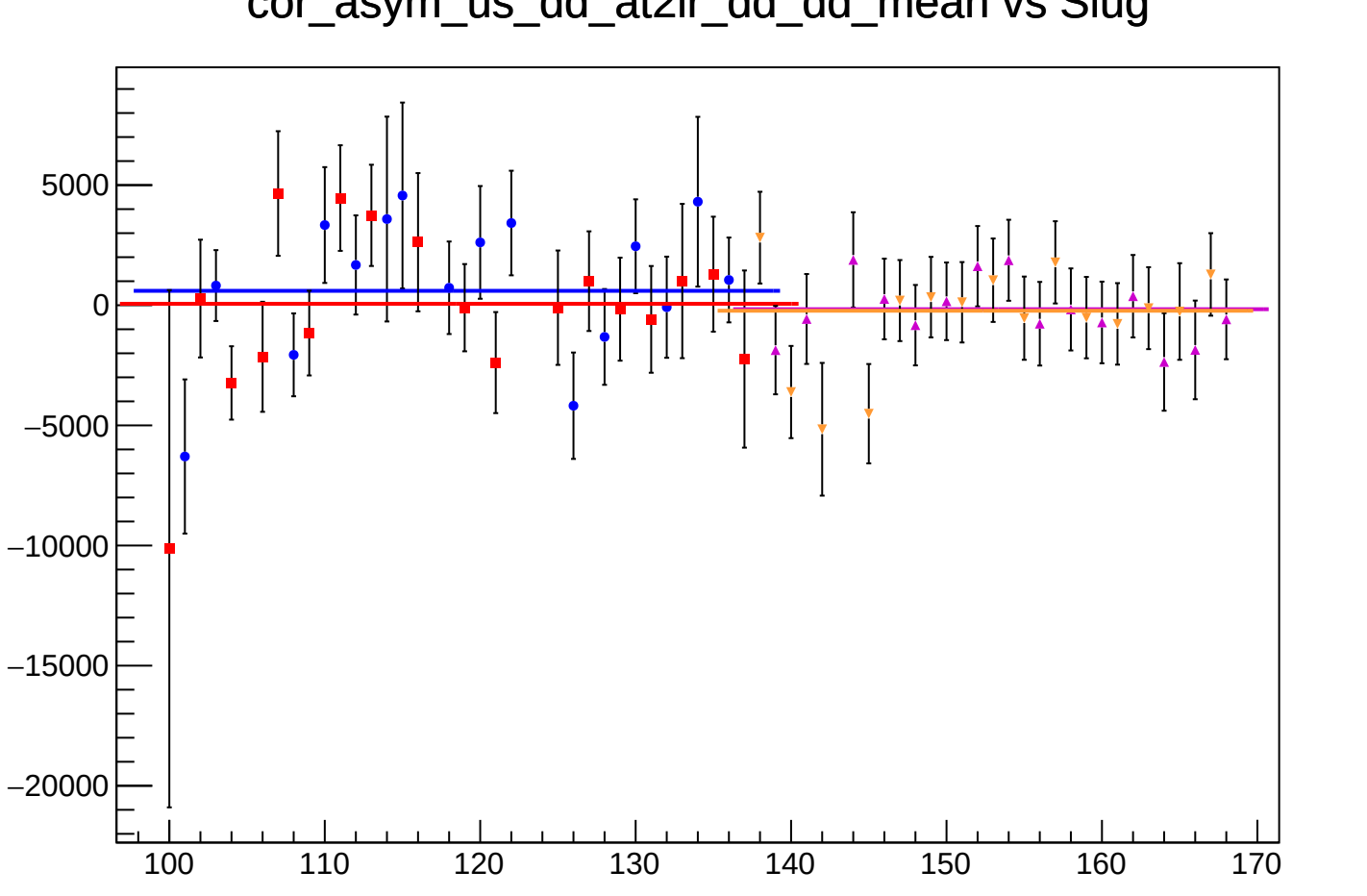
Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 535.379+/-0.109 χ^2/NDF:757772.3/14

+ sign 552.687+/-0.096 χ^2/NDF: 4591643.5/30

All: 537.962+/-0.066 χ^2/NDF: 9734688.2/63

- sign 524.659+/-0.091 χ^2/NDF: 5098293.4/32



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -228.581+/-465.817 χ^2/NDF:16.2/14

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

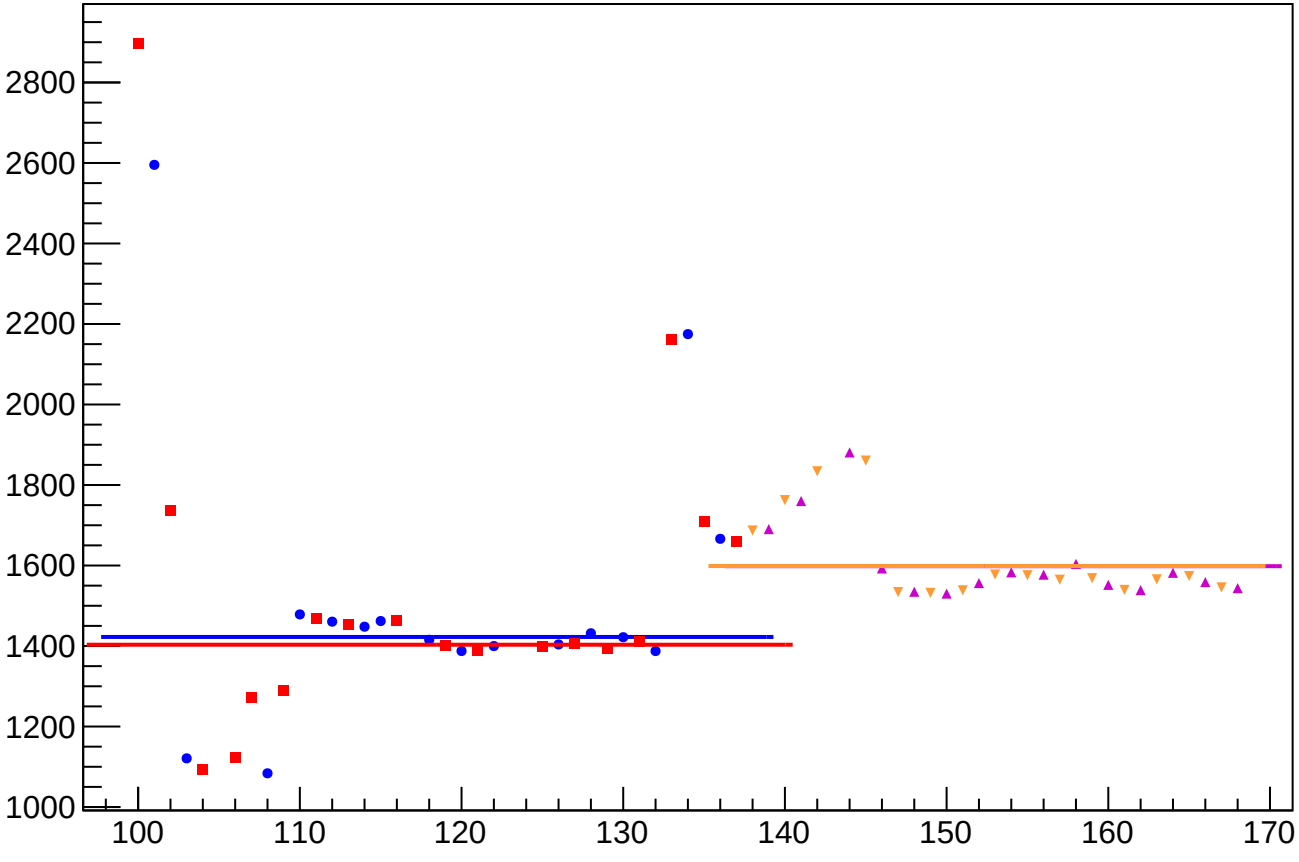
Left In: -164.788+/-454.396 χ^2/NDF:7.1/14

+ sign 124.897+/-352.732 χ^2/NDF: 37.9/30

All: 25.504+/-246.911 χ^2/NDF: 65.6/63

- sign -69.989+/-345.744 χ^2/NDF: 27.6/32

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1598.721+/-0.329 χ^2/NDF:81621.0/14

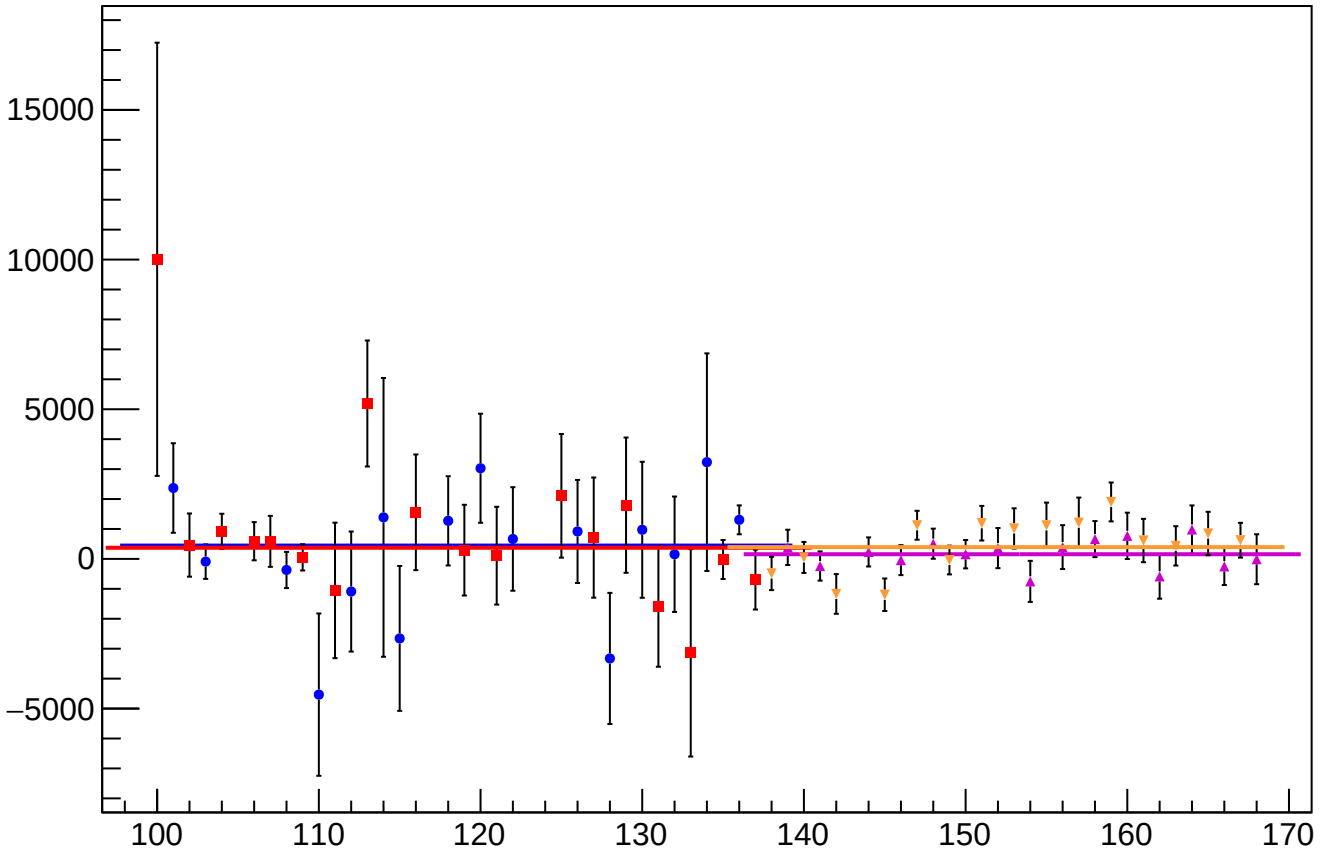
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1598.334+/-0.321 χ^2/NDF:75711.7/14

+ sign 1523.552+/-0.249 χ^2/NDF: 763964.6/30

All: 1519.792+/-0.175 χ^2/NDF: 1354501.1/63

- sign 1516.180+/-0.244 χ^2/NDF: 590091.0/32



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 393.676+/-156.024 χ^2/NDF:30.9/14

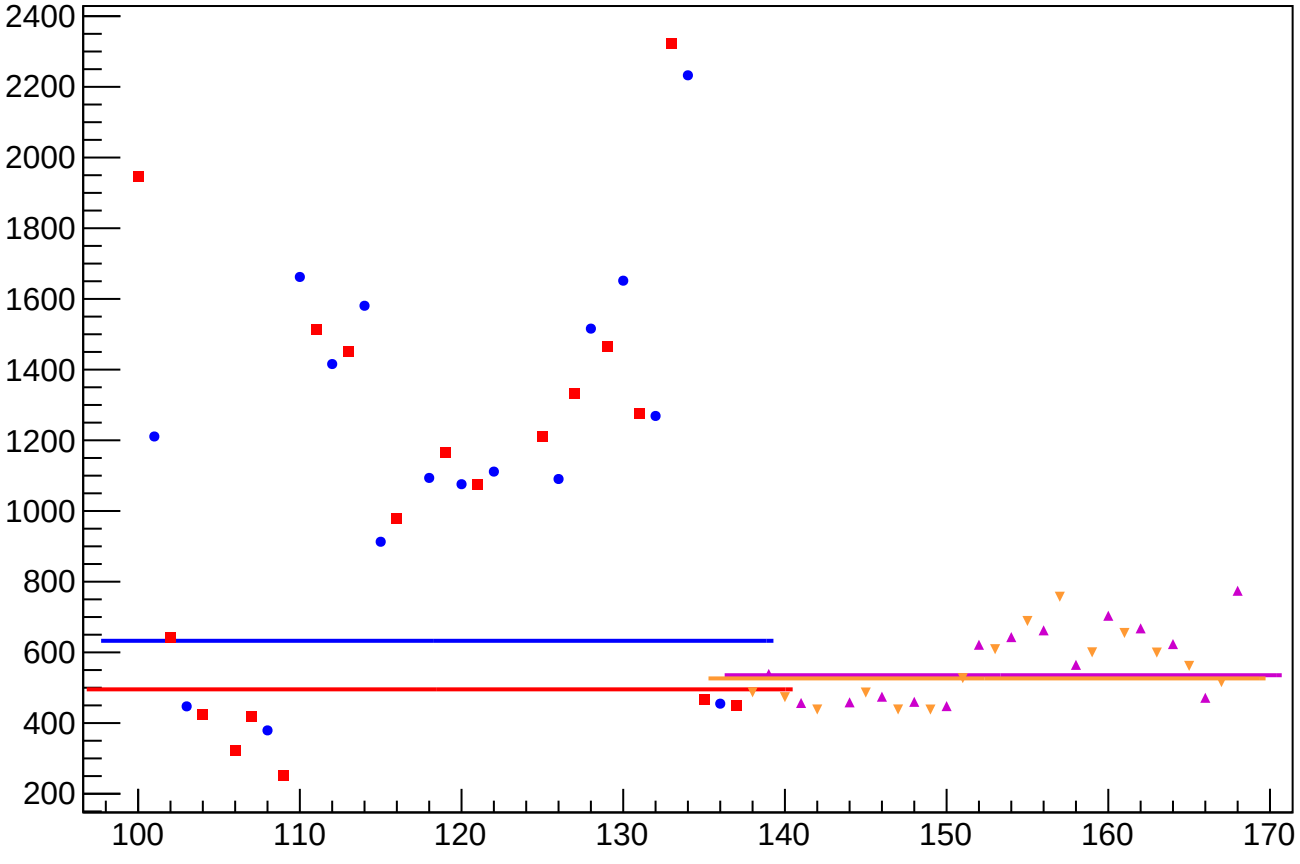
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 156.021+/-154.842 χ^2/NDF:7.3/14

+ sign 406.222+/-135.672 χ^2/NDF: 50.1/30

All: 309.771+/-93.365 χ^2/NDF: 72.9/63

- sign 223.005+/-128.680 χ^2/NDF: 21.9/32



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 526.334+/-0.110 χ^2/NDF:603265.4/14

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

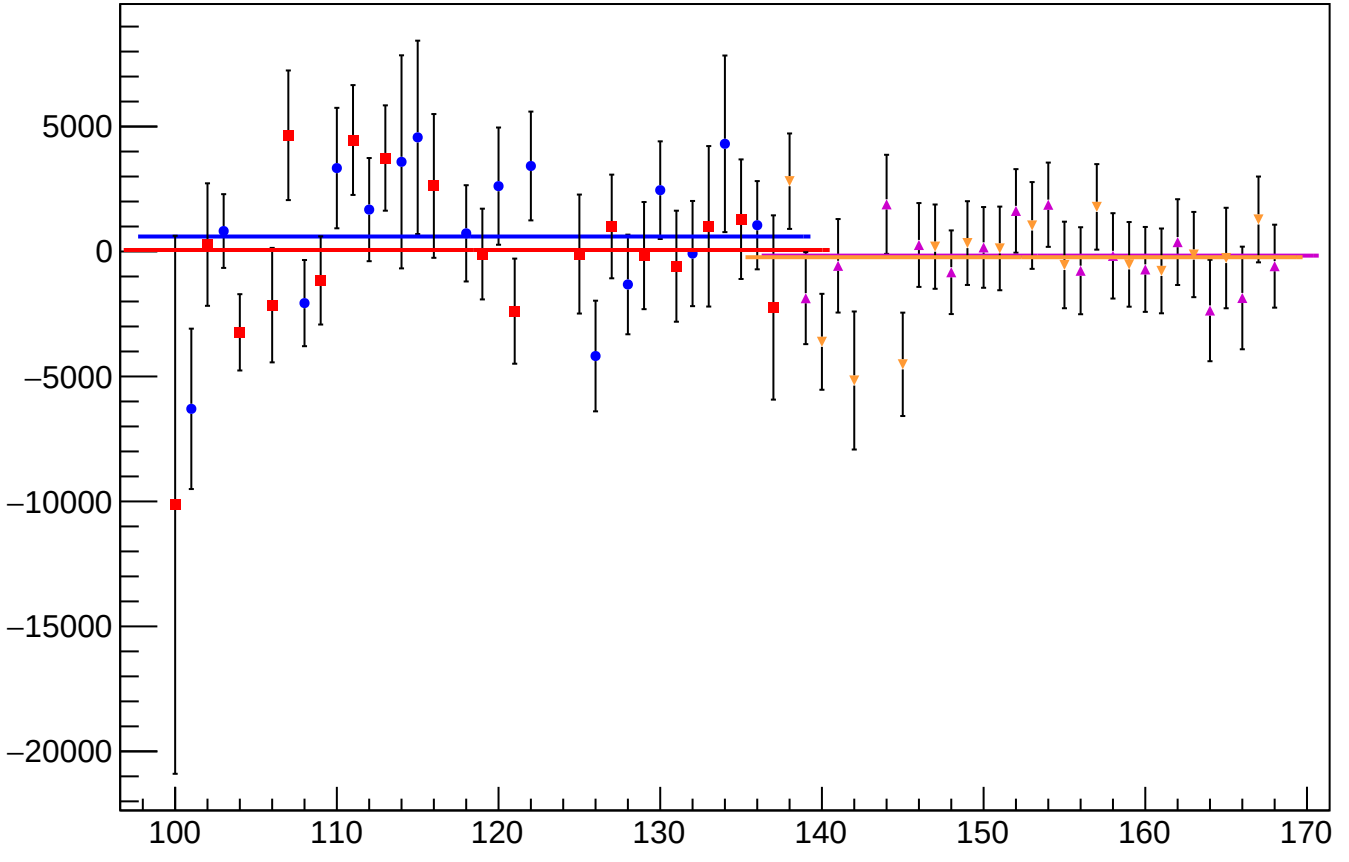
Left In: 535.374+/-0.109 χ^2/NDF:757816.1/14

+ sign 552.286+/-0.096 χ^2/NDF: 4597894.9/30

All: 536.869+/-0.066 χ^2/NDF: 9783527.1/63

- sign 523.001+/-0.091 χ^2/NDF: 5136577.9/32

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -228.581+/-465.817 χ^2/NDF:16.2/14

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

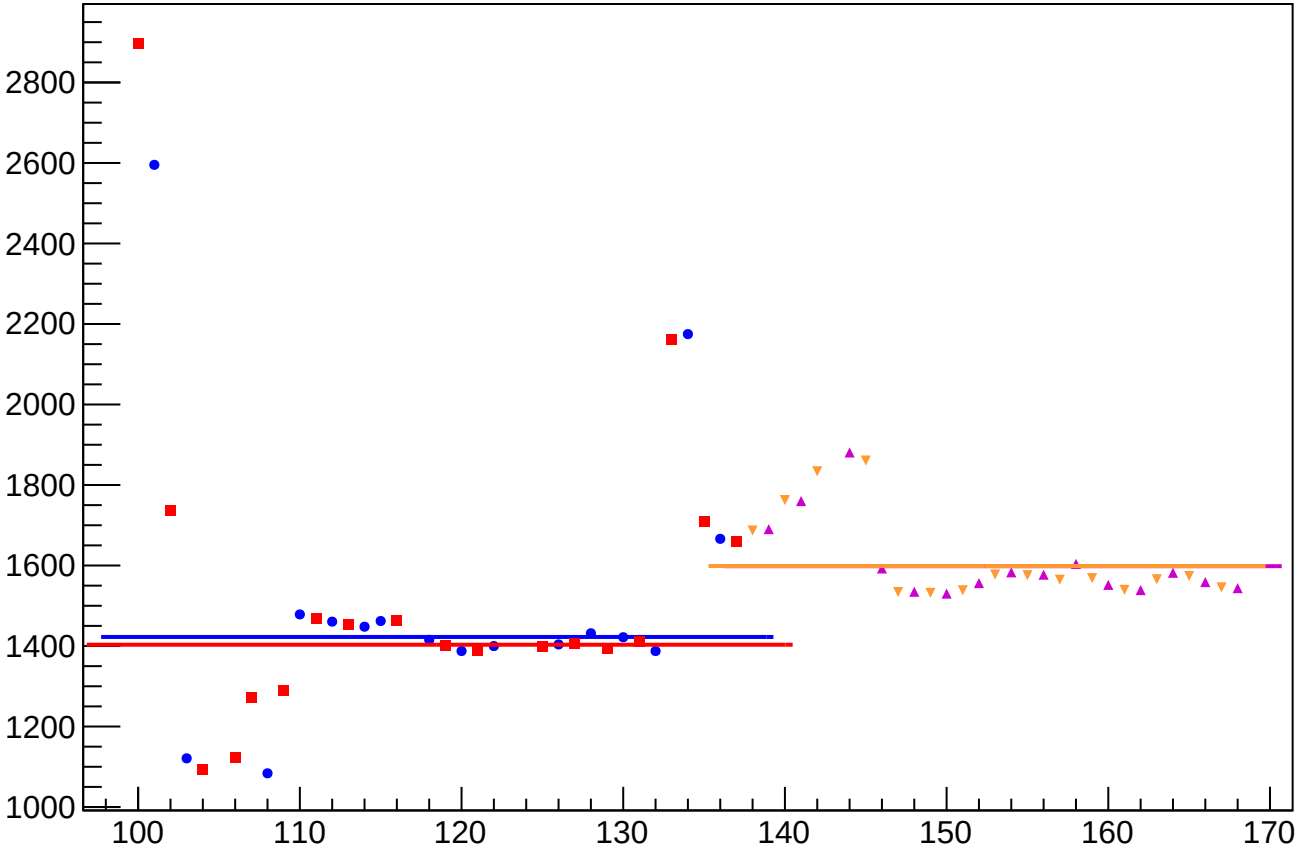
Left In: -164.788+/-454.396 χ^2/NDF:7.1/14

+ sign 124.897+/-352.732 χ^2/NDF: 37.9/30

All: 25.504+/-246.911 χ^2/NDF: 65.6/63

- sign -69.989+/-345.744 χ^2/NDF: 27.6/32

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: 1598.721+/-0.329 χ^2/NDF:81621.0/14

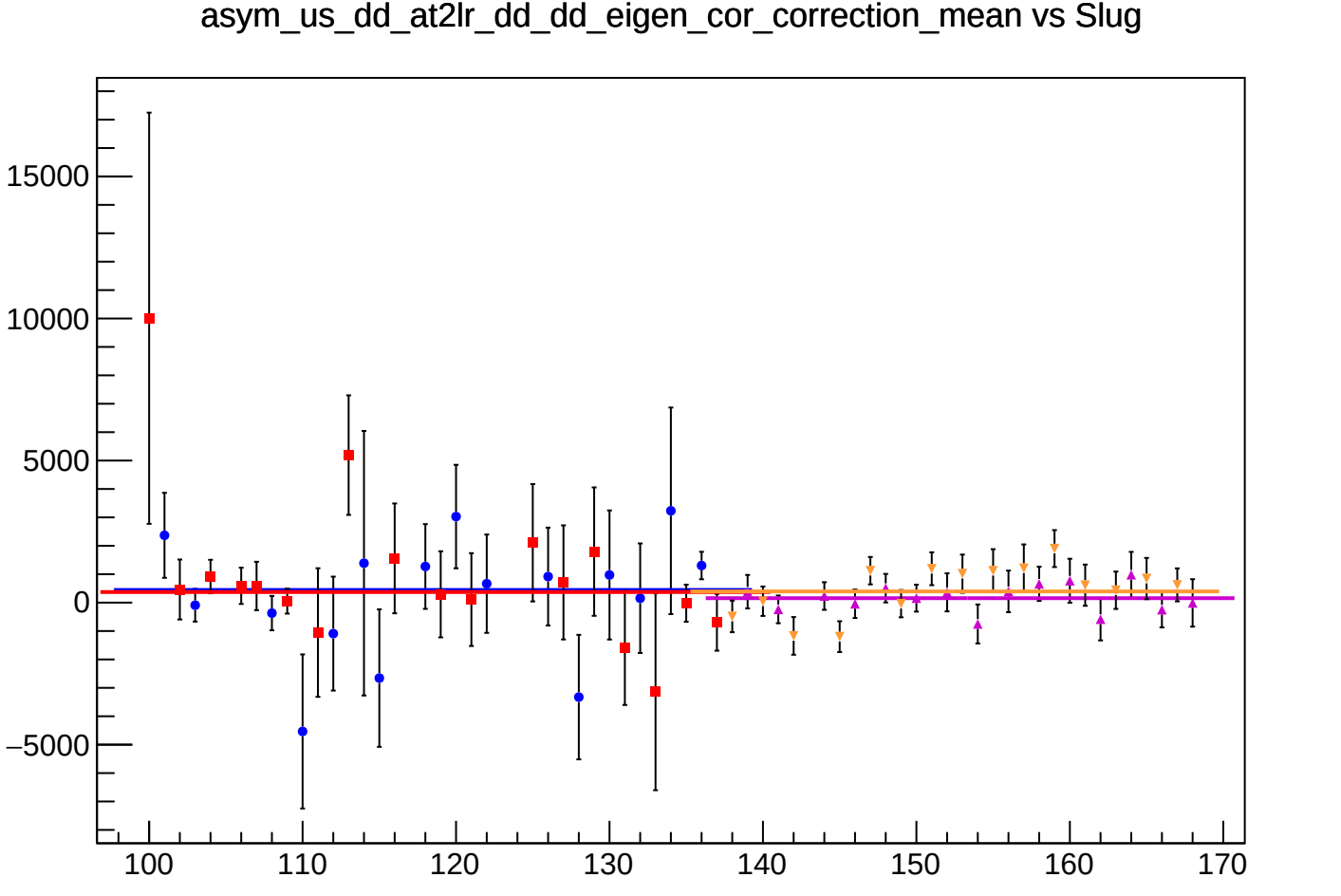
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1598.334+/-0.321 χ^2/NDF:75711.7/14

+ sign 1523.552+/-0.249 χ^2/NDF: 763964.6/30

All: 1519.792+/-0.175 χ^2/NDF: 1354501.1/63

- sign 1516.180+/-0.244 χ^2/NDF: 590091.0/32



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 393.676+/-156.024 χ^2/NDF:30.9/14

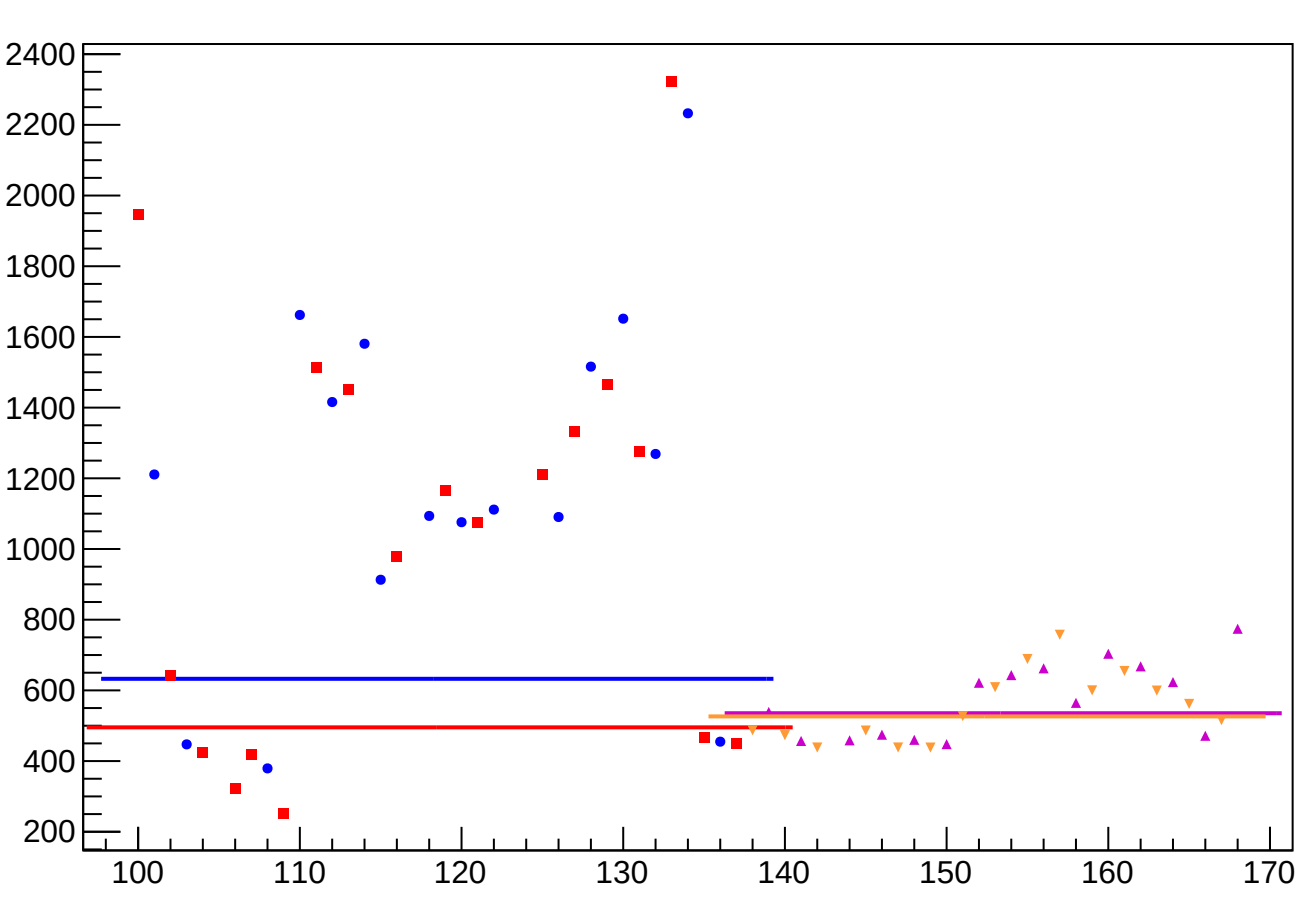
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 156.021+/-154.842 χ^2/NDF:7.3/14

+ sign 406.222+/-135.672 χ^2/NDF: 50.1/30

All: 309.771+/-93.365 χ^2/NDF: 72.9/63

- sign 223.005+/-128.680 χ^2/NDF: 21.9/32



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 526.334+/-0.110 χ^2/NDF:603265.4/14

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

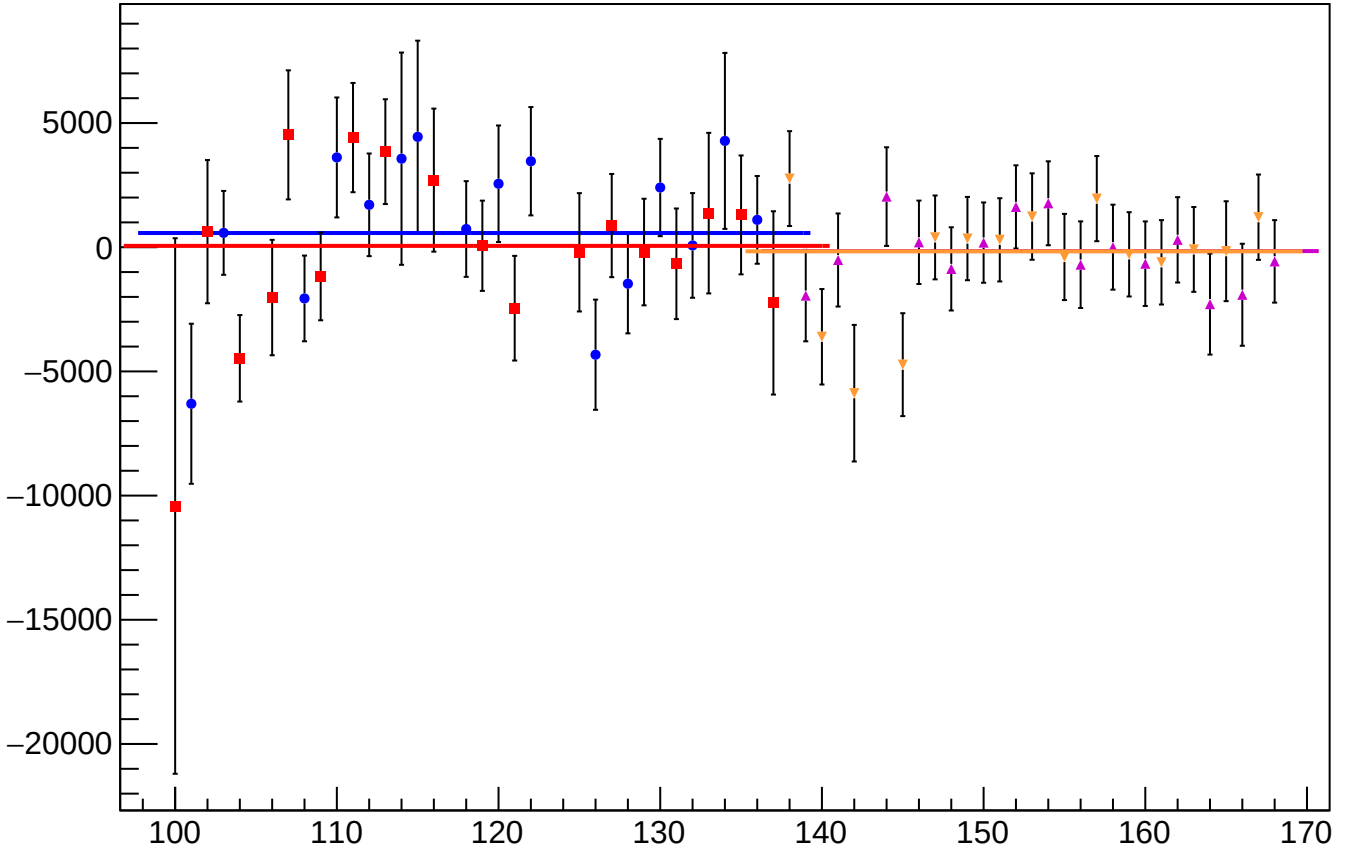
Left In: 535.374+/-0.109 χ^2/NDF:757816.1/14

+ sign 552.286+/-0.096 χ^2/NDF: 4597894.9/30

All: 536.869+/-0.066 χ^2/NDF: 9783527.1/63

- sign 523.001+/-0.091 χ^2/NDF: 5136577.9/32

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -164.307+/-466.360 χ^2/NDF:17.9/14

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

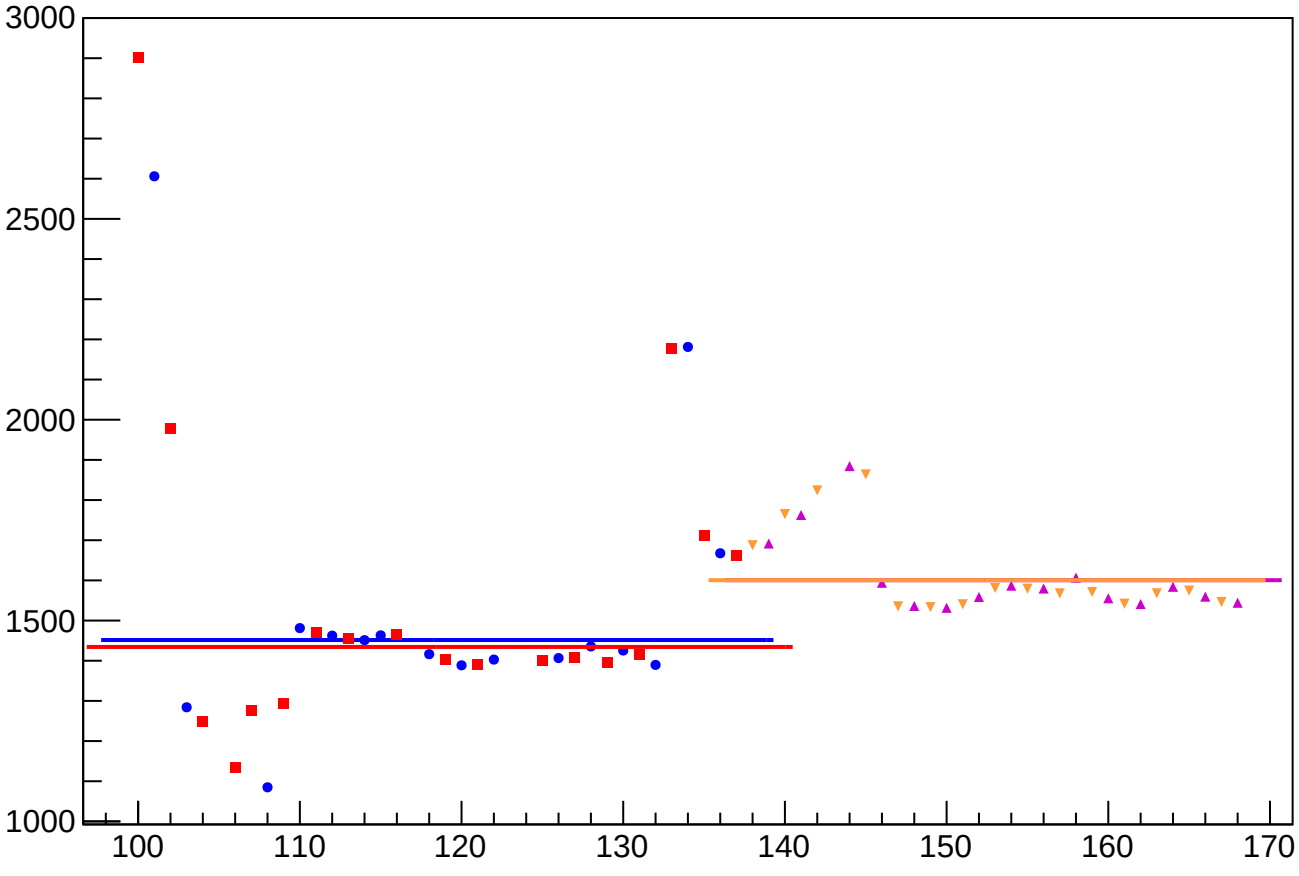
Left In: -155.012+/-455.022 χ^2/NDF:7.1/14

+ sign 144.018+/-355.604 χ^2/NDF: 39.7/30

All: 35.462+/-249.220 χ^2/NDF: 69.6/63

- sign -69.327+/-349.380 χ^2/NDF: 29.7/32

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1600.556+/-0.330 χ^2/NDF:80379.7/14

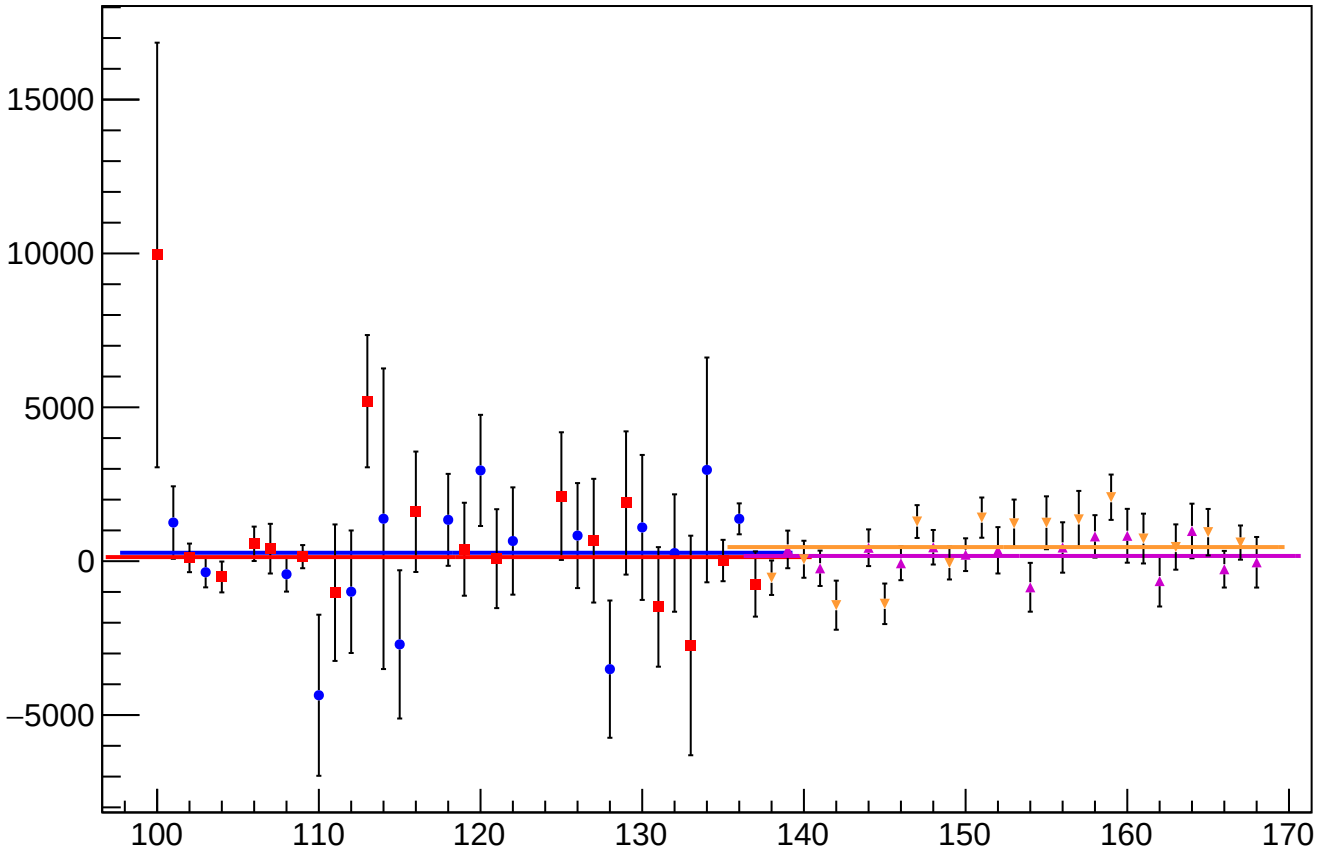
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1600.514+/-0.322 χ^2/NDF:76068.4/14

+ sign 1538.197+/-0.251 χ^2/NDF: 653644.7/30

All: 1535.198+/-0.176 χ^2/NDF: 1168088.0/63

- sign 1532.303+/-0.247 χ^2/NDF: 514163.8/32



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 458.196+/-172.601 χ^2/NDF:30.7/14

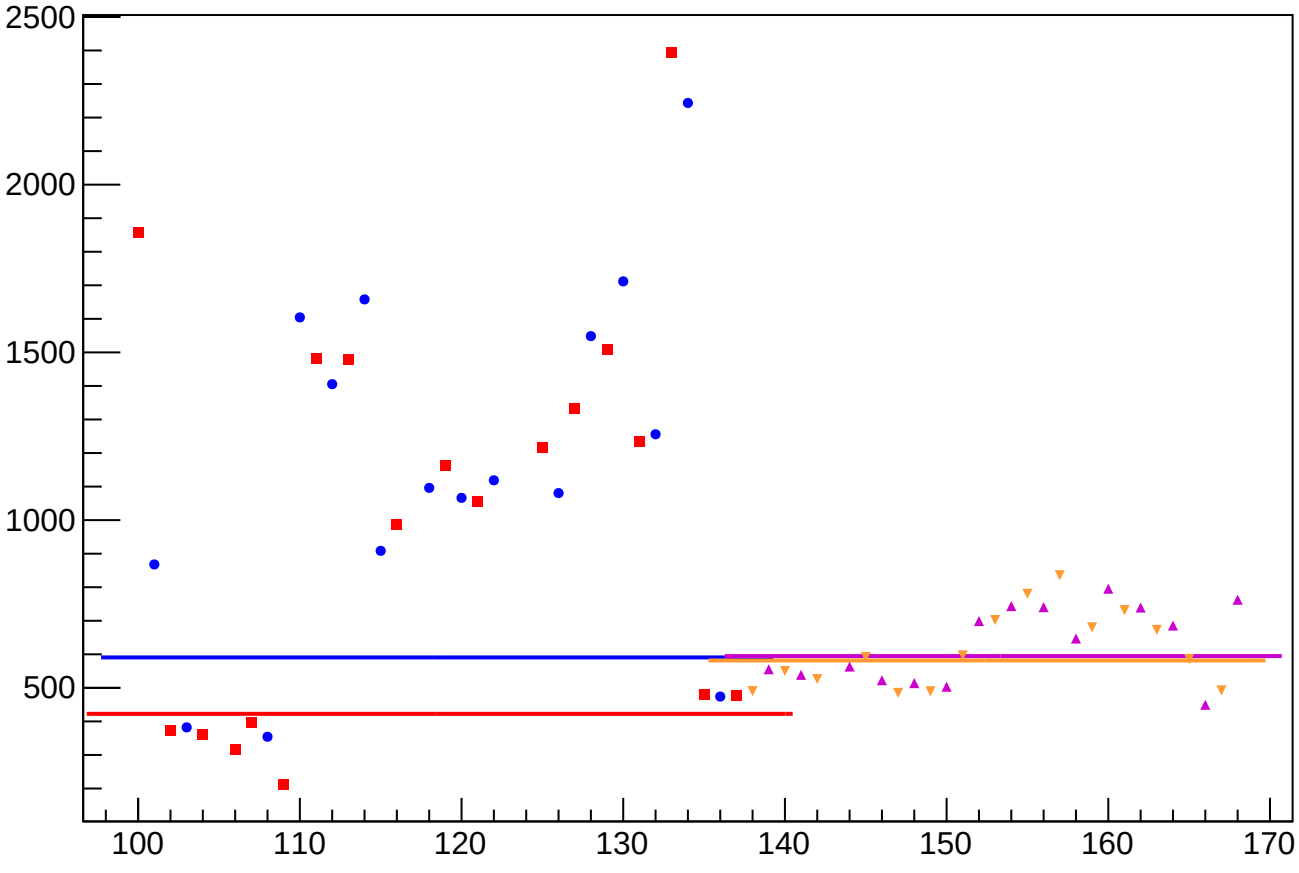
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 169.872+/-171.995 χ^2/NDF:6.9/14

+ sign 401.842+/-143.890 χ^2/NDF: 51.3/30

All: 264.483+/-96.158 χ^2/NDF: 74.3/63

- sign 153.639+/-129.258 χ^2/NDF: 21.3/32



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 581.581+/-0.122 χ^2/NDF:687734.9/14

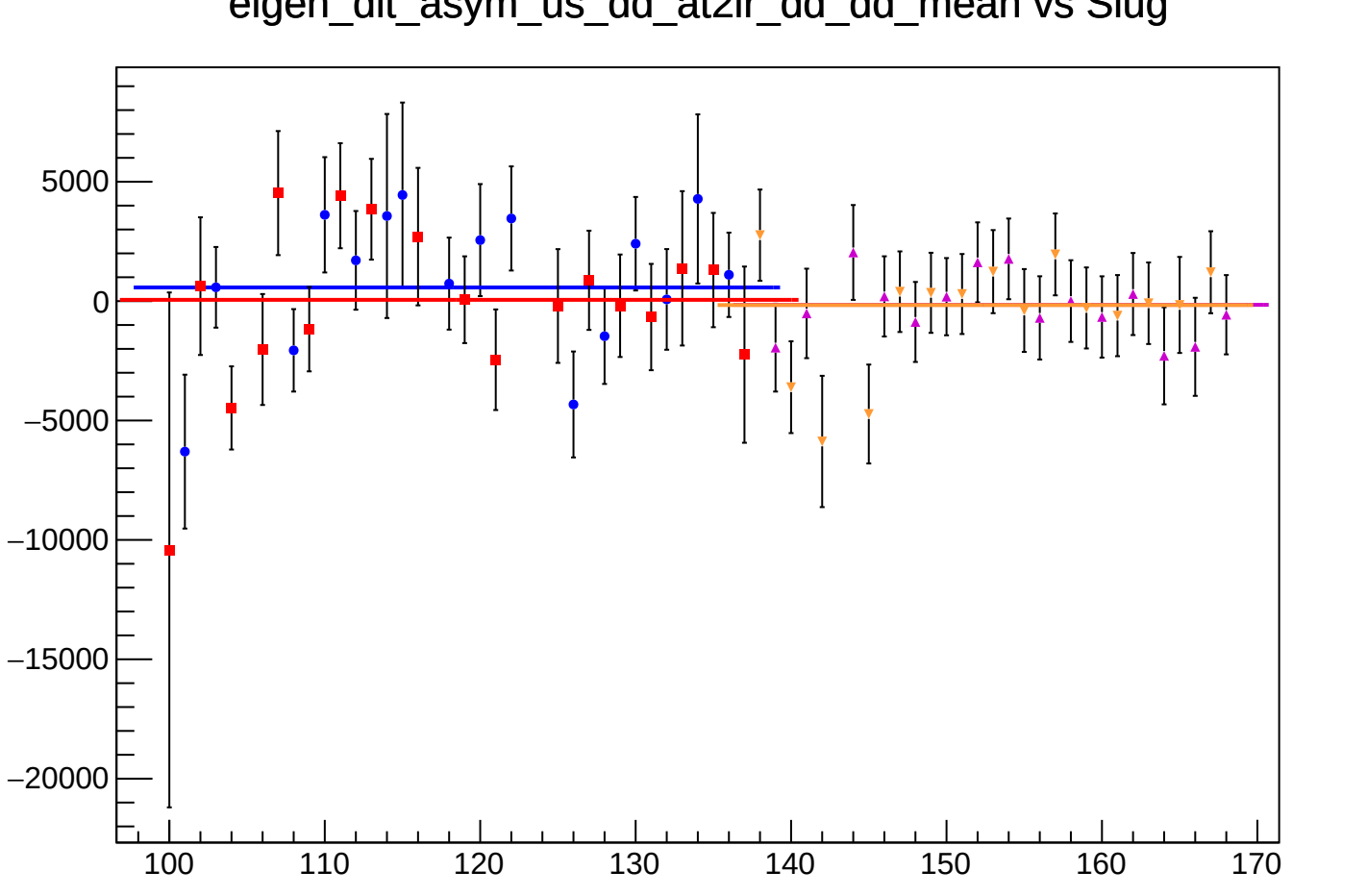
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 594.796+/-0.122 χ^2/NDF:740996.9/14

+ sign 584.377+/-0.102 χ^2/NDF: 4574958.1/30

All: 548.676+/-0.068 χ^2/NDF: 11268610.2/63

- sign 519.867+/-0.091 χ^2/NDF: 6471176.4/32



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -164.312+/-466.360 χ^2/NDF:17.9/14

Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

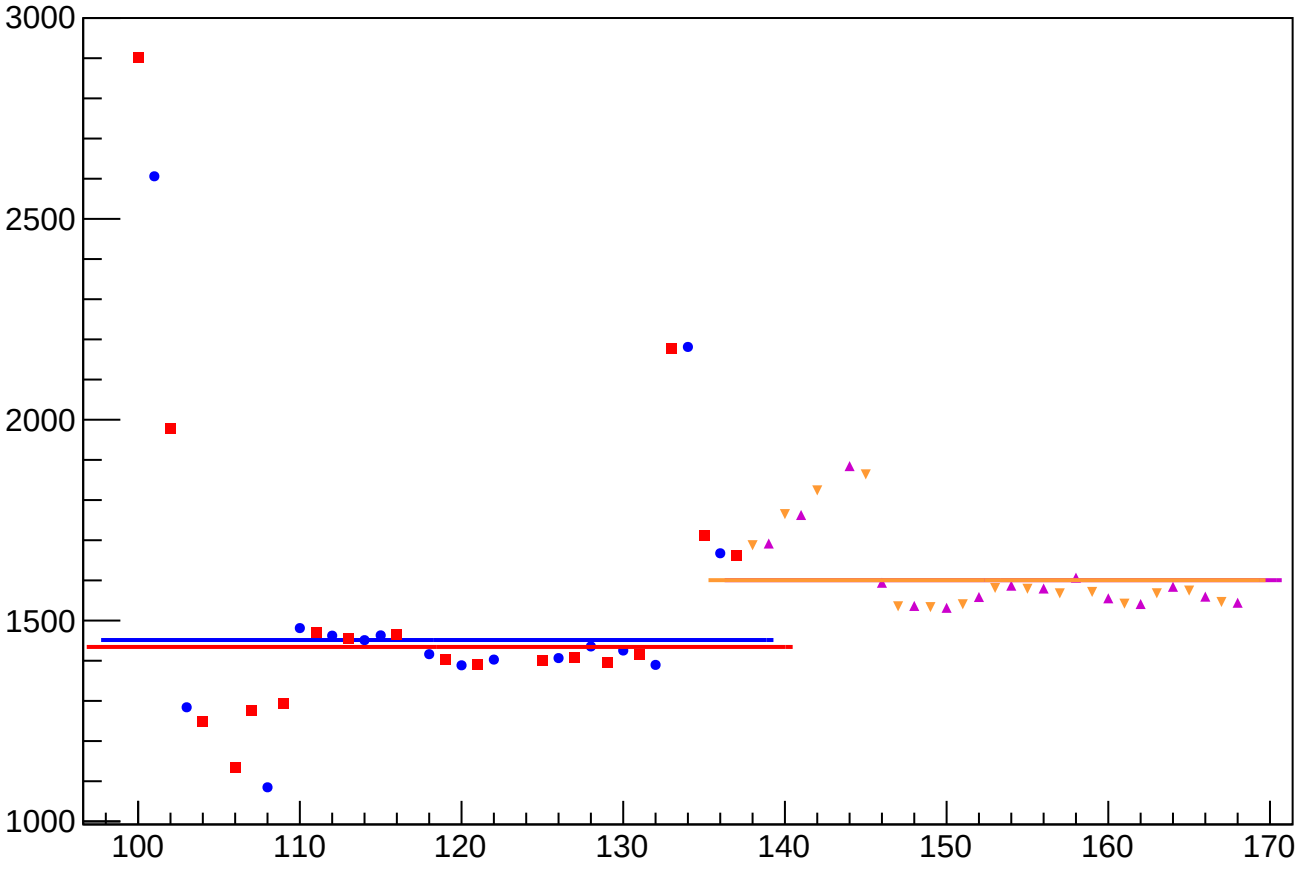
Left In: -155.014+/-455.022 χ^2/NDF:7.1/14

+ sign 144.015+/-355.604 χ^2/NDF: 39.7/30

All: 35.460+/-249.220 χ^2/NDF: 69.6/63

- sign -69.329+/-349.380 χ^2/NDF: 29.7/32

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1600.556+/-0.330 χ^2/NDF:80379.9/14

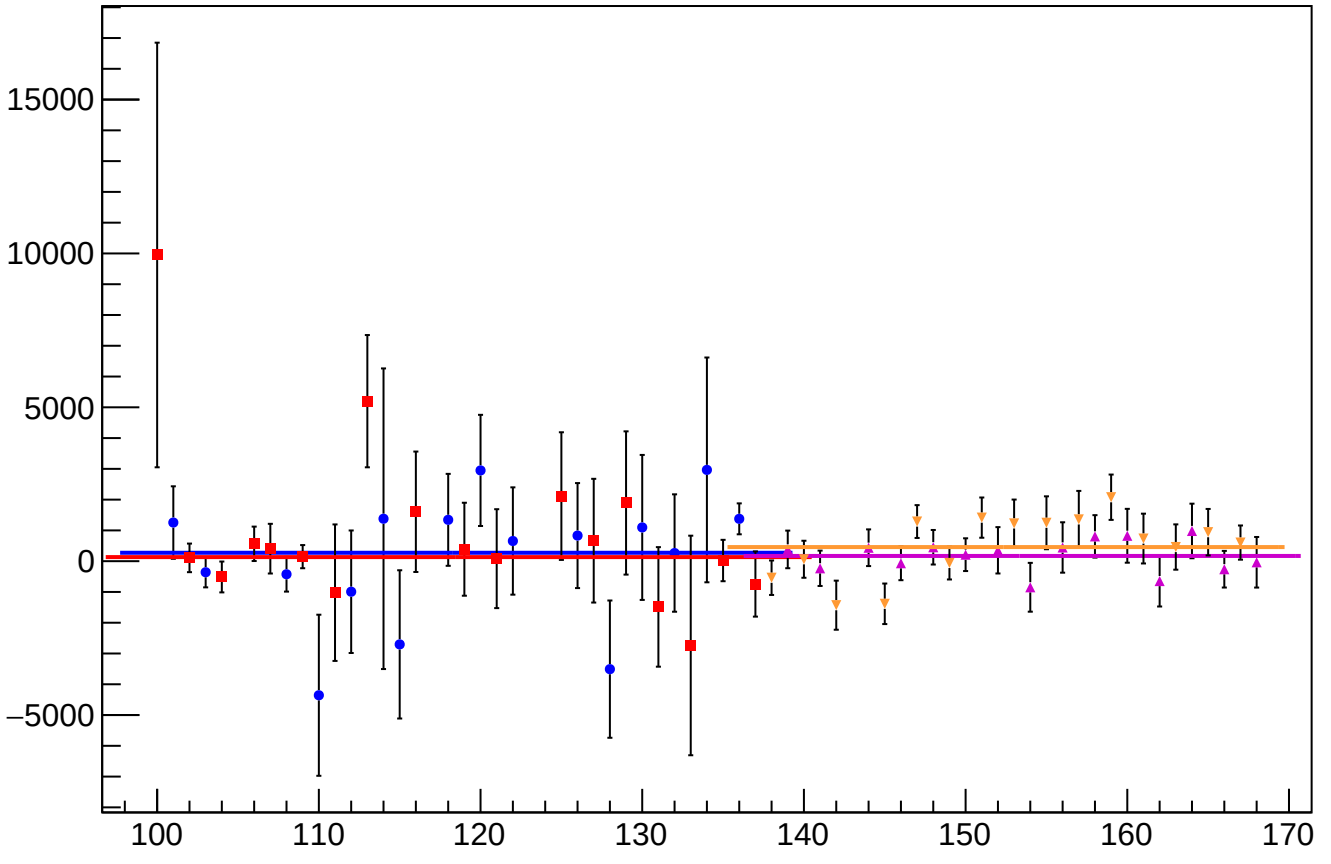
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1600.514+/-0.322 χ^2/NDF:76068.6/14

+ sign 1538.197+/-0.251 χ^2/NDF: 653644.5/30

All: 1535.198+/-0.176 χ^2/NDF: 1168088.1/63

- sign 1532.303+/-0.247 χ^2/NDF: 514164.1/32



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 458.205+/-172.602 χ^2/NDF:30.7/14

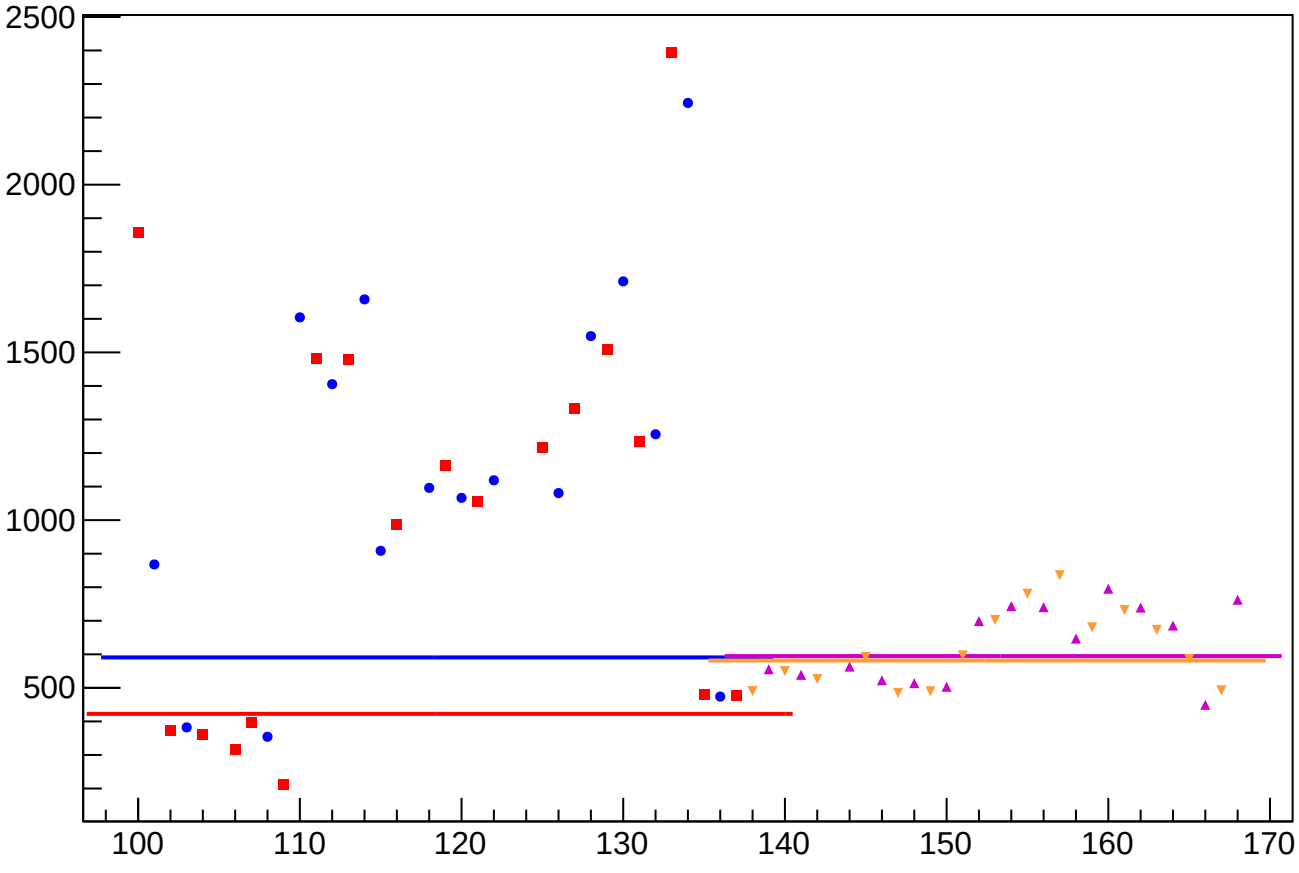
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 169.873+/-171.995 χ^2/NDF:6.9/14

+ sign 401.845+/-143.890 χ^2/NDF: 51.3/30

All: 264.483+/-96.158 χ^2/NDF: 74.3/63

- sign 153.637+/-129.259 χ^2/NDF: 21.3/32



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 581.583+/-0.122 χ^2/NDF:687722.7/14

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

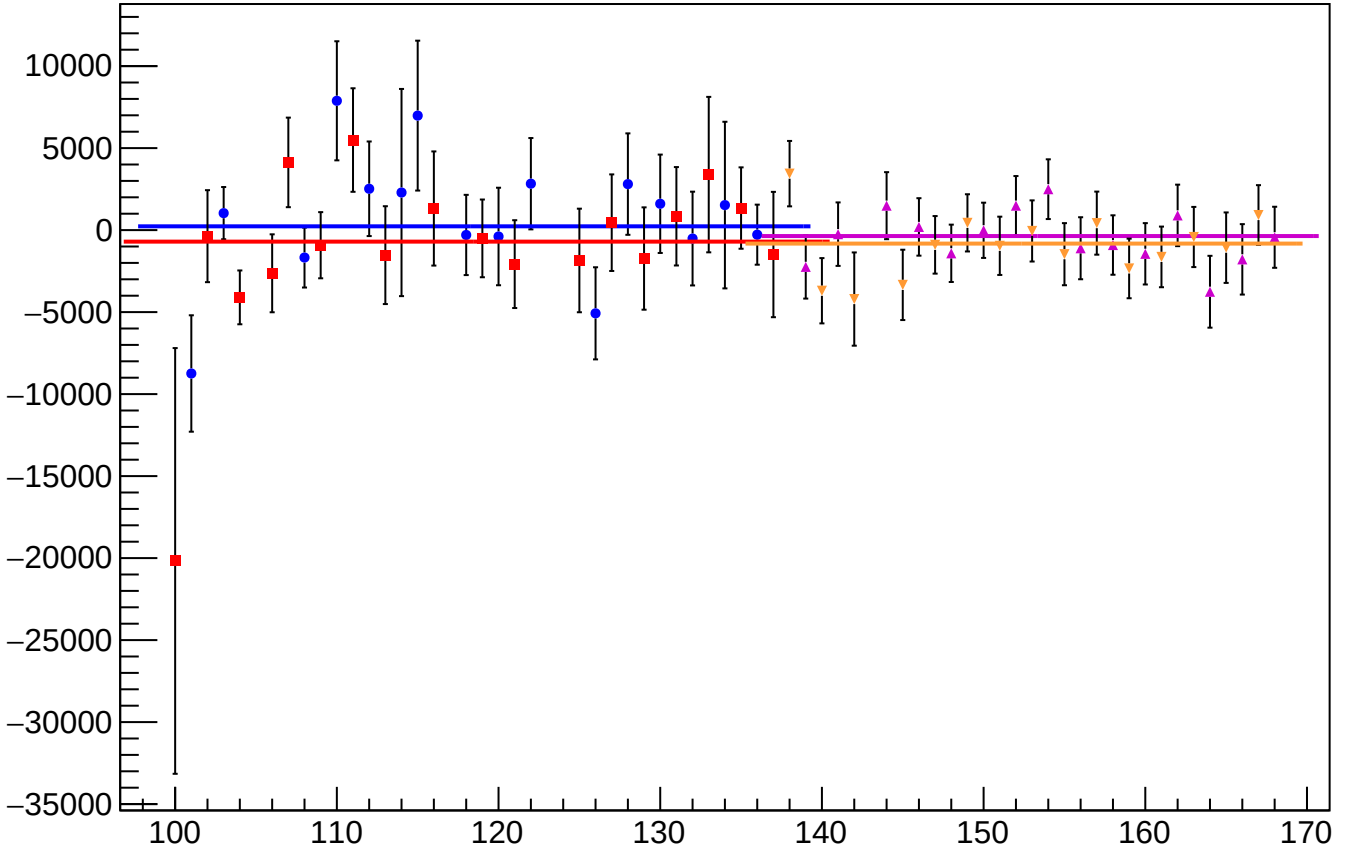
Left In: 594.796+/-0.122 χ^2/NDF:741014.7/14

+ sign 584.378+/-0.102 χ^2/NDF: 4574972.8/30

All: 548.679+/-0.068 χ^2/NDF: 11268483.2/63

- sign 519.870+/-0.091 χ^2/NDF: 6471051.9/32

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -822.222+/-496.133 χ^2/NDF:12.6/14

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

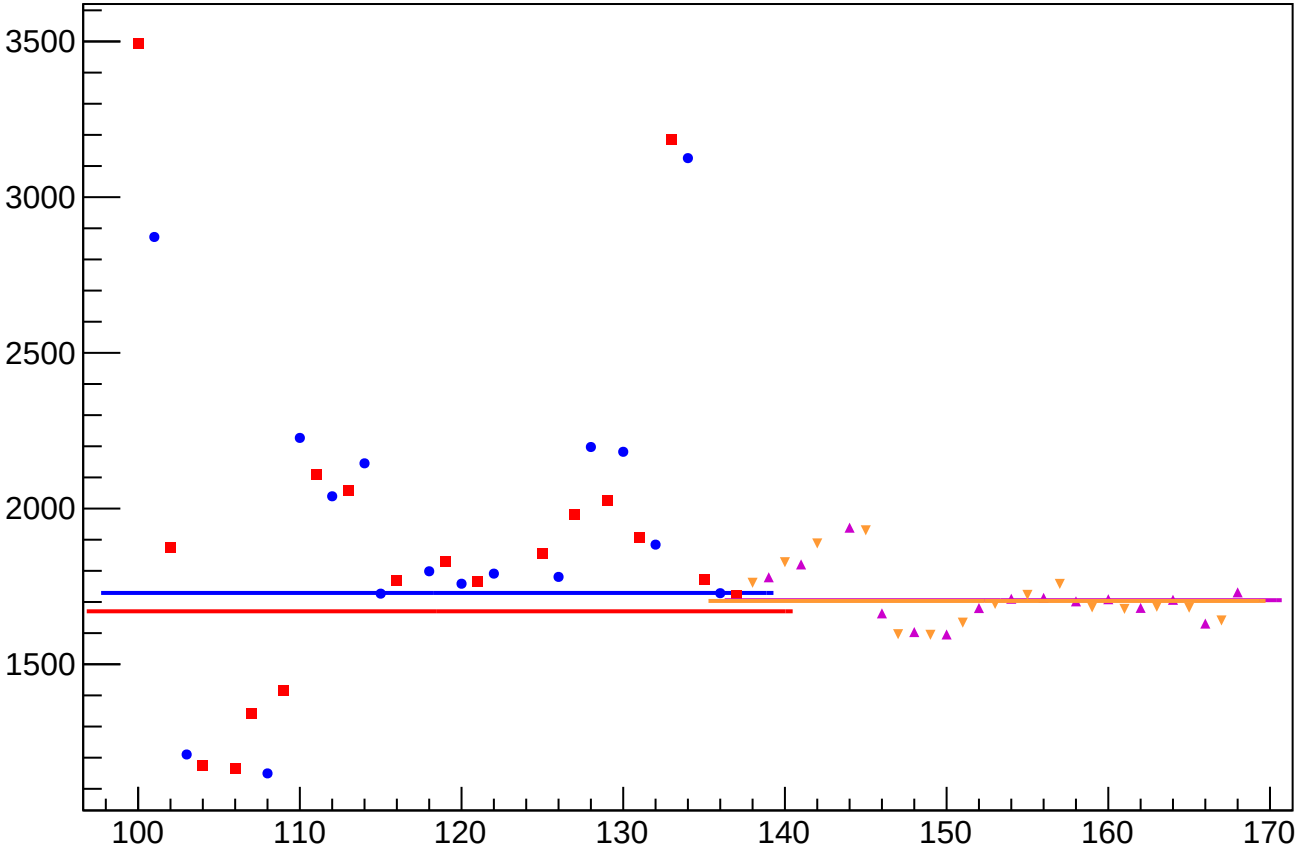
Left In: -362.363+/-484.754 χ^2/NDF:9.7/14

+ sign -446.598+/-397.921 χ^2/NDF: 34.9/30

All: -465.888+/-277.883 χ^2/NDF: 61.8/63

- sign -484.250+/-388.230 χ^2/NDF: 26.9/32

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1703.365+/-0.351 χ^2/NDF:63901.7/14

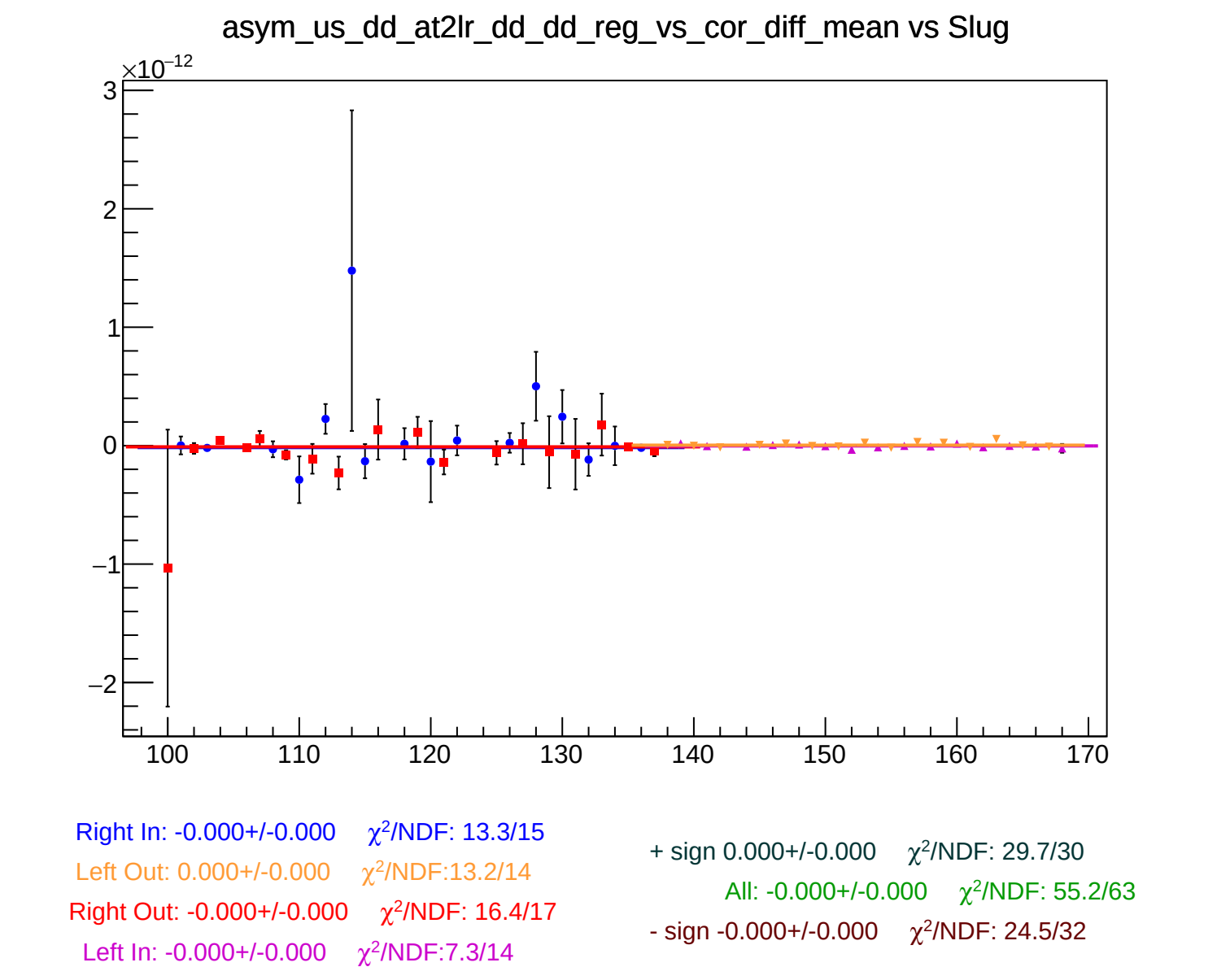
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

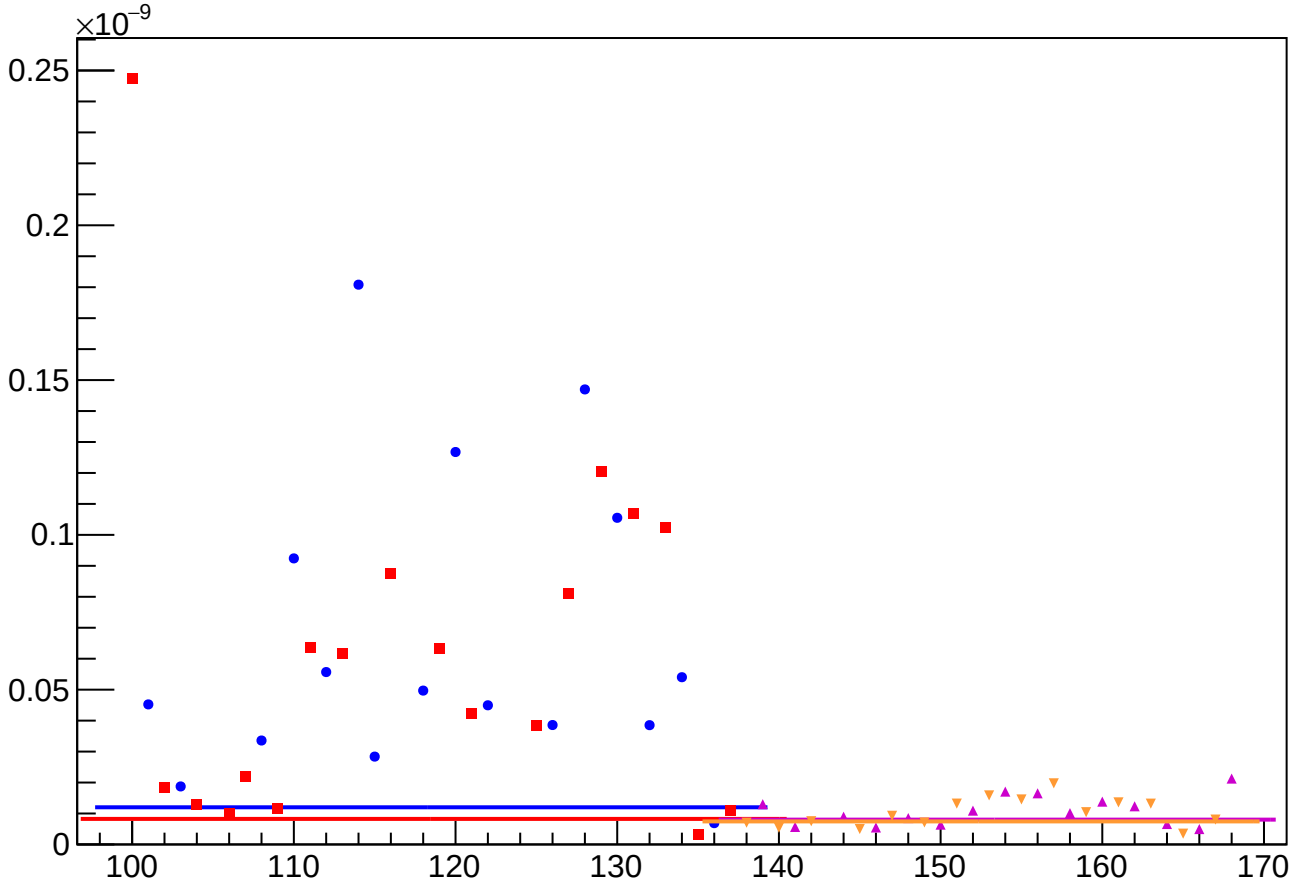
Left In: 1705.750+/-0.343 χ^2/NDF:56083.5/14

+ sign 1712.527+/-0.281 χ^2/NDF: 1007892.9/30

All: 1702.498+/-0.196 χ^2/NDF: 1814796.9/63

- sign 1692.950+/-0.275 χ^2/NDF: 804423.9/32


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:13.2/14
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: -0.000+/-0.000 χ²/NDF:7.3/14
+ sign 0.000+/-0.000 χ²/NDF: 29.7/30
All: -0.000+/-0.000 χ²/NDF: 55.2/63
- sign -0.000+/-0.000 χ²/NDF: 24.5/32



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1728973.2/14

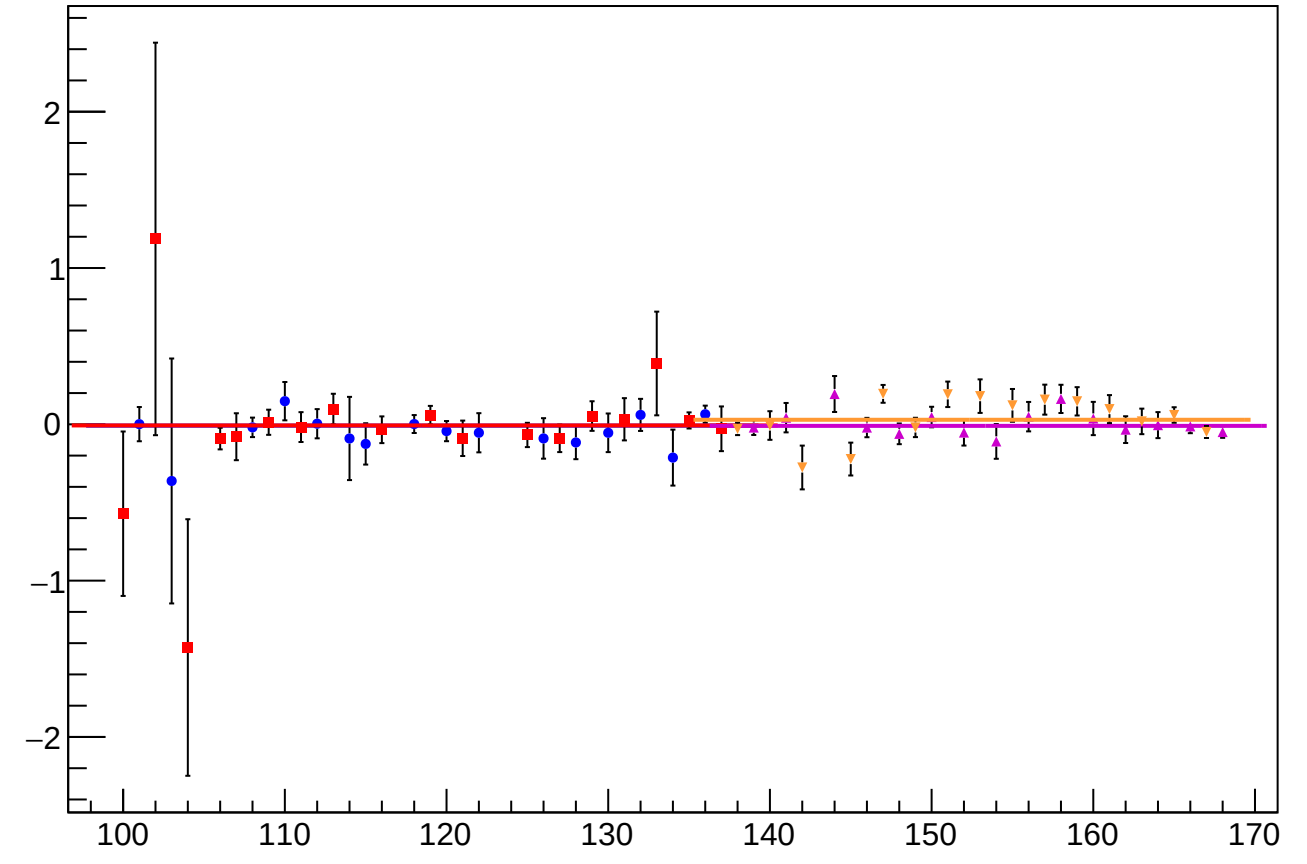
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1532839.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 5502942.0/30

All: 0.000+/-0.000 χ^2/NDF: 10547491.9/63

- sign 0.000+/-0.000 χ^2/NDF: 5044195.2/32



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.029+/-0.017 χ^2/NDF:37.2/14

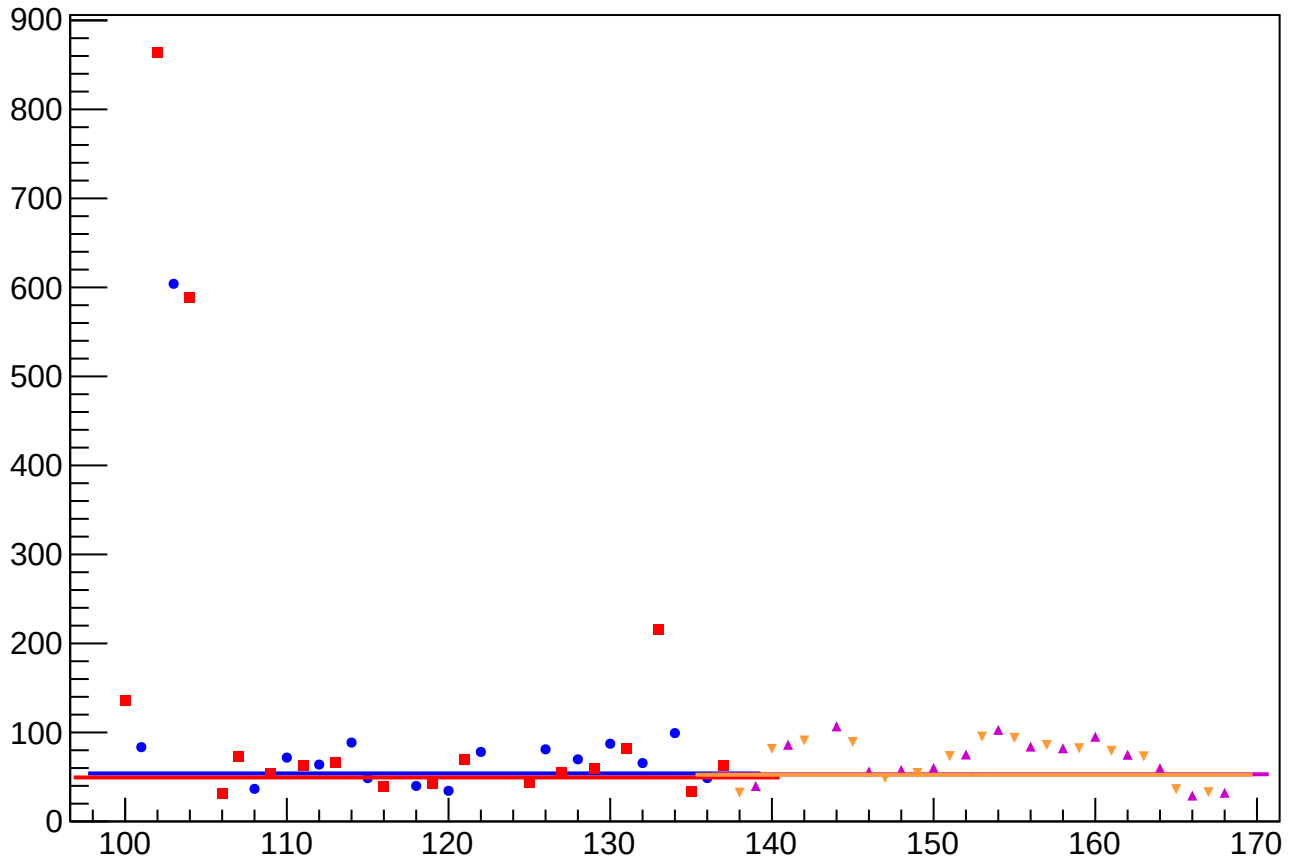
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.010+/-0.017 χ^2/NDF:11.4/14

+ sign 0.016+/-0.014 χ^2/NDF: 47.1/30

All: 0.003+/-0.010 χ^2/NDF: 73.8/63

- sign -0.009+/-0.014 χ^2/NDF: 25.1/32



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 52.453+/-0.012 χ^2/NDF:3379113.1/14

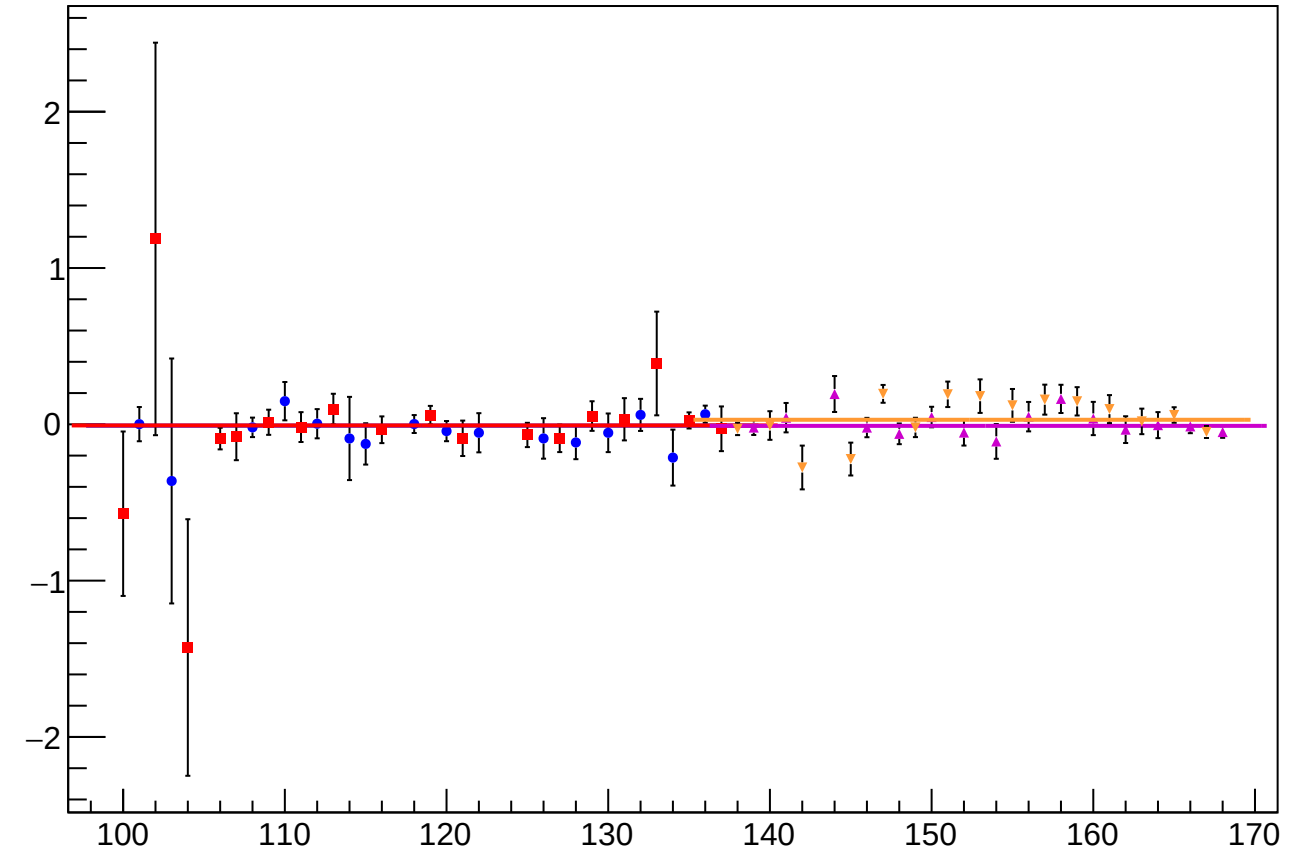
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 52.993+/-0.012 χ^2/NDF:3545973.3/14

+ sign 52.979+/-0.010 χ^2/NDF: 5598685.2/30

All: 52.310+/-0.007 χ^2/NDF: 12204108.8/63

- sign 51.668+/-0.010 χ^2/NDF: 6596226.3/32



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.029+/-0.017 χ^2/NDF:37.2/14

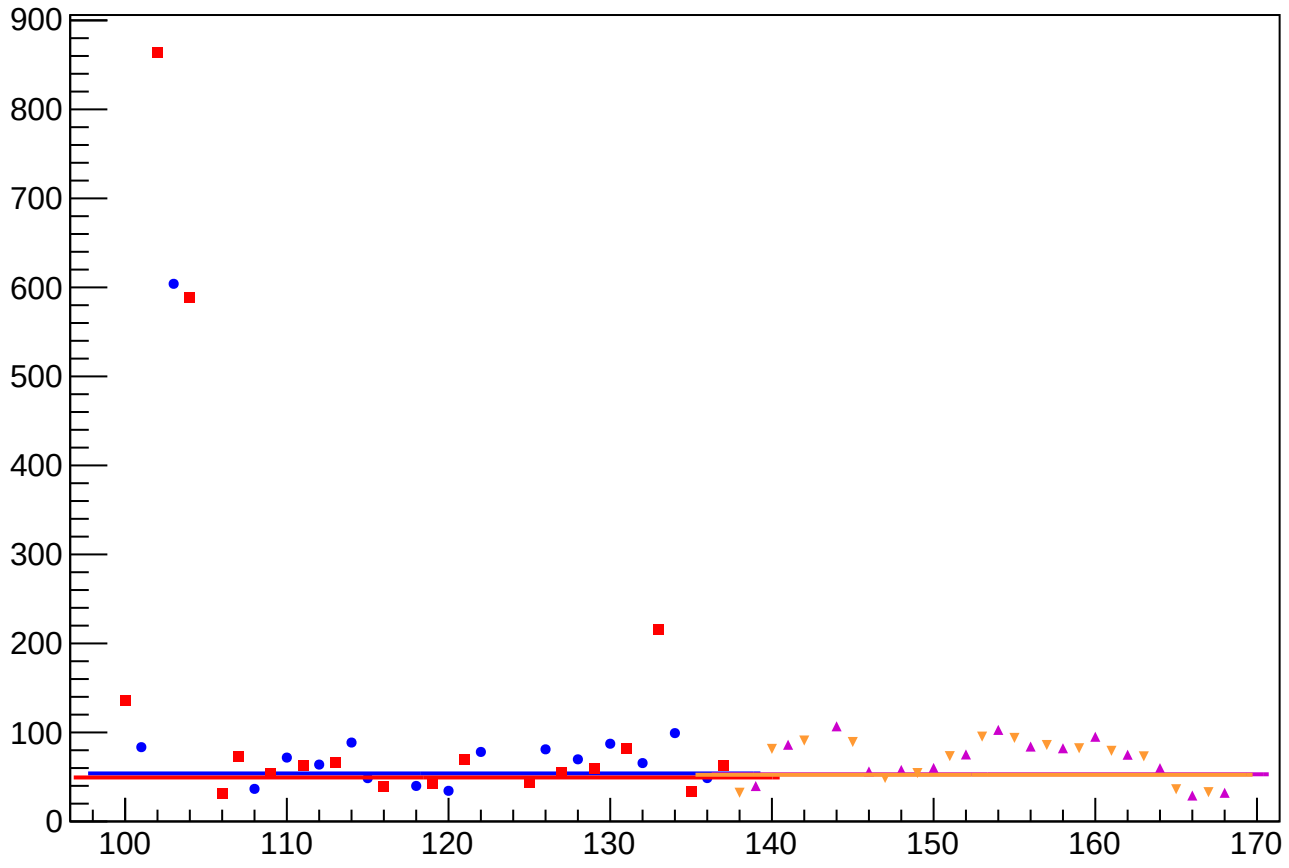
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.010+/-0.017 χ^2/NDF:11.4/14

+ sign 0.016+/-0.014 χ^2/NDF: 47.1/30

All: 0.003+/-0.010 χ^2/NDF: 73.8/63

- sign -0.009+/-0.014 χ^2/NDF: 25.1/32



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 52.453+/-0.012 χ^2/NDF:3379113.1/14

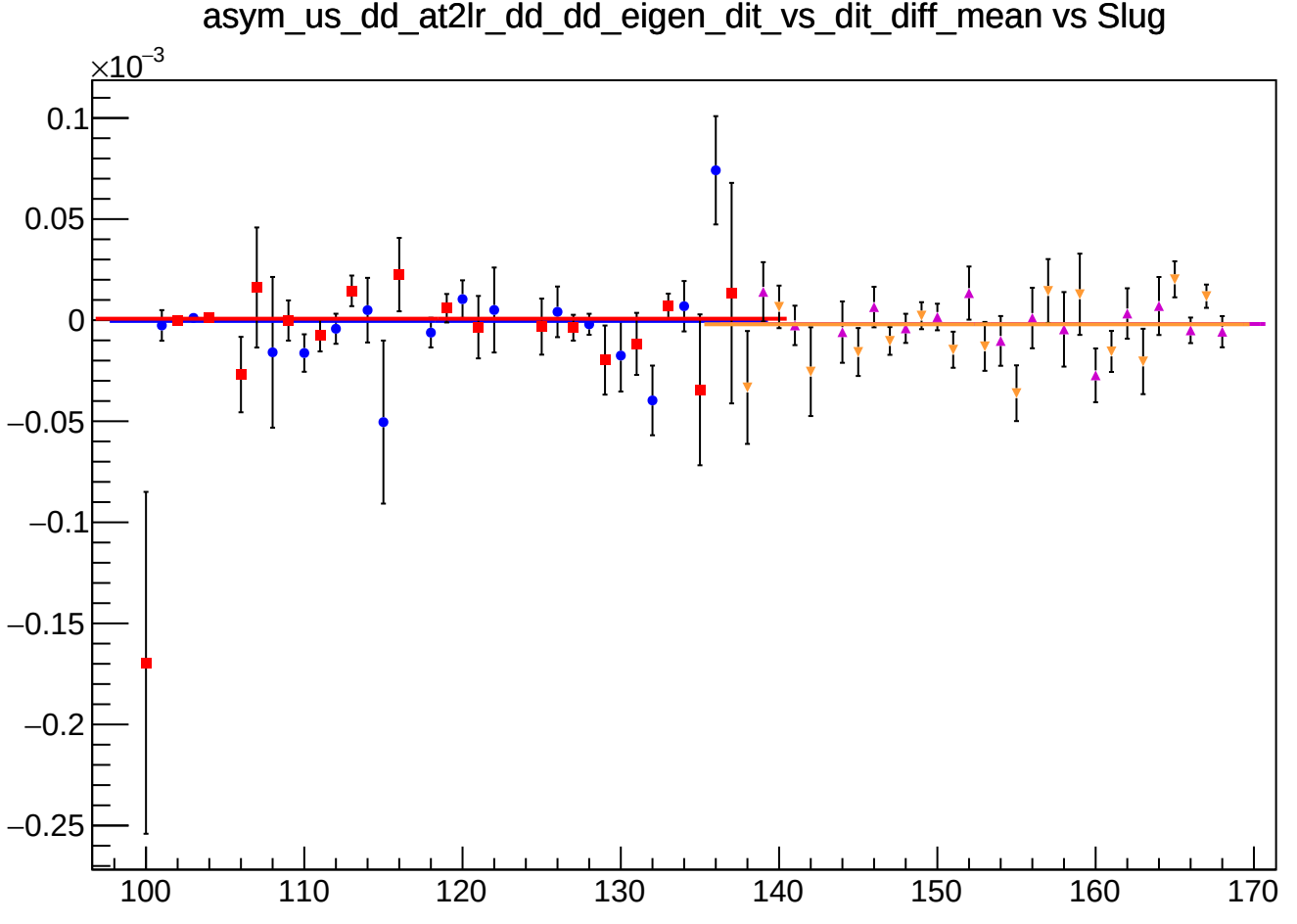
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 52.993+/-0.012 χ^2/NDF:3545973.3/14

+ sign 52.979+/-0.010 χ^2/NDF: 5598685.2/30

All: 52.310+/-0.007 χ^2/NDF: 12204108.8/63

- sign 51.668+/-0.010 χ^2/NDF: 6596226.3/32



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.9/14

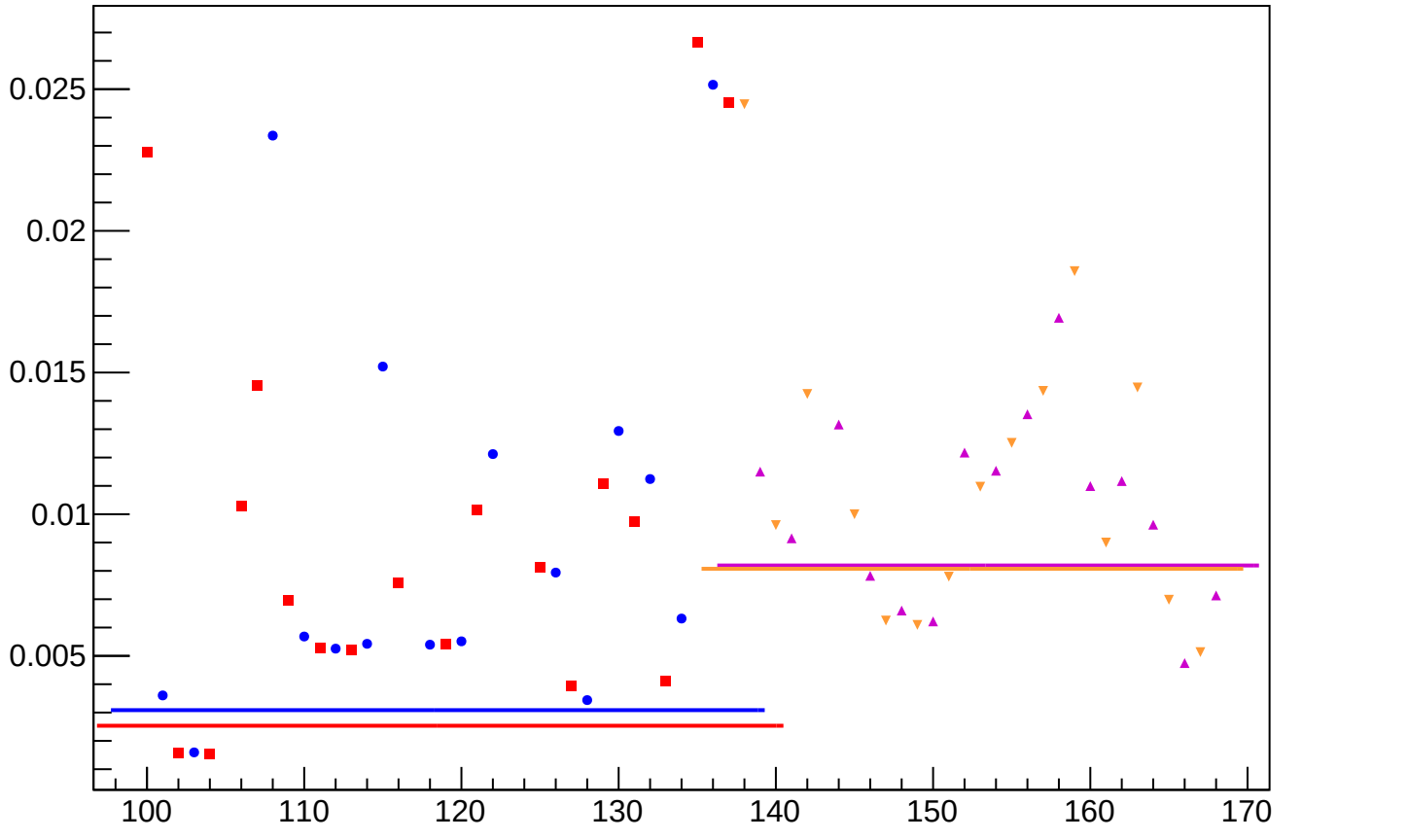
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:8.9/14

+ sign -0.000+/-0.000 χ^2/NDF: 54.3/30

All: -0.000+/-0.000 χ^2/NDF: 82.2/63

- sign 0.000+/-0.000 χ^2/NDF: 27.5/32



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:3329796.6/14

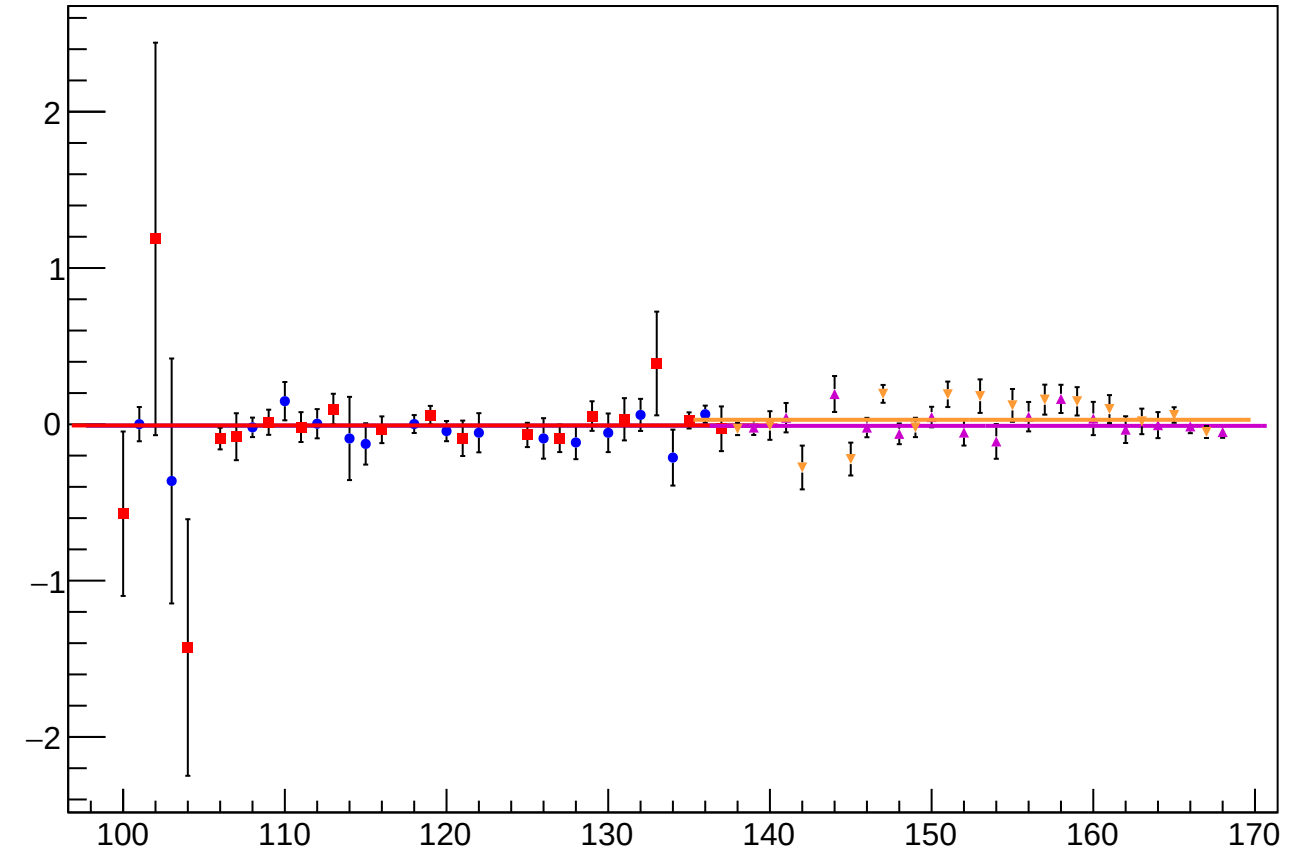
Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.008+/-0.000 χ^2/NDF:2504899.3/14

+ sign 0.004+/-0.000 χ^2/NDF: 14479359.5/30

All: 0.004+/-0.000 χ^2/NDF: 31432339.0/63

- sign 0.004+/-0.000 χ^2/NDF: 16486054.1/32



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.029+/-0.017 χ^2/NDF:37.2/14

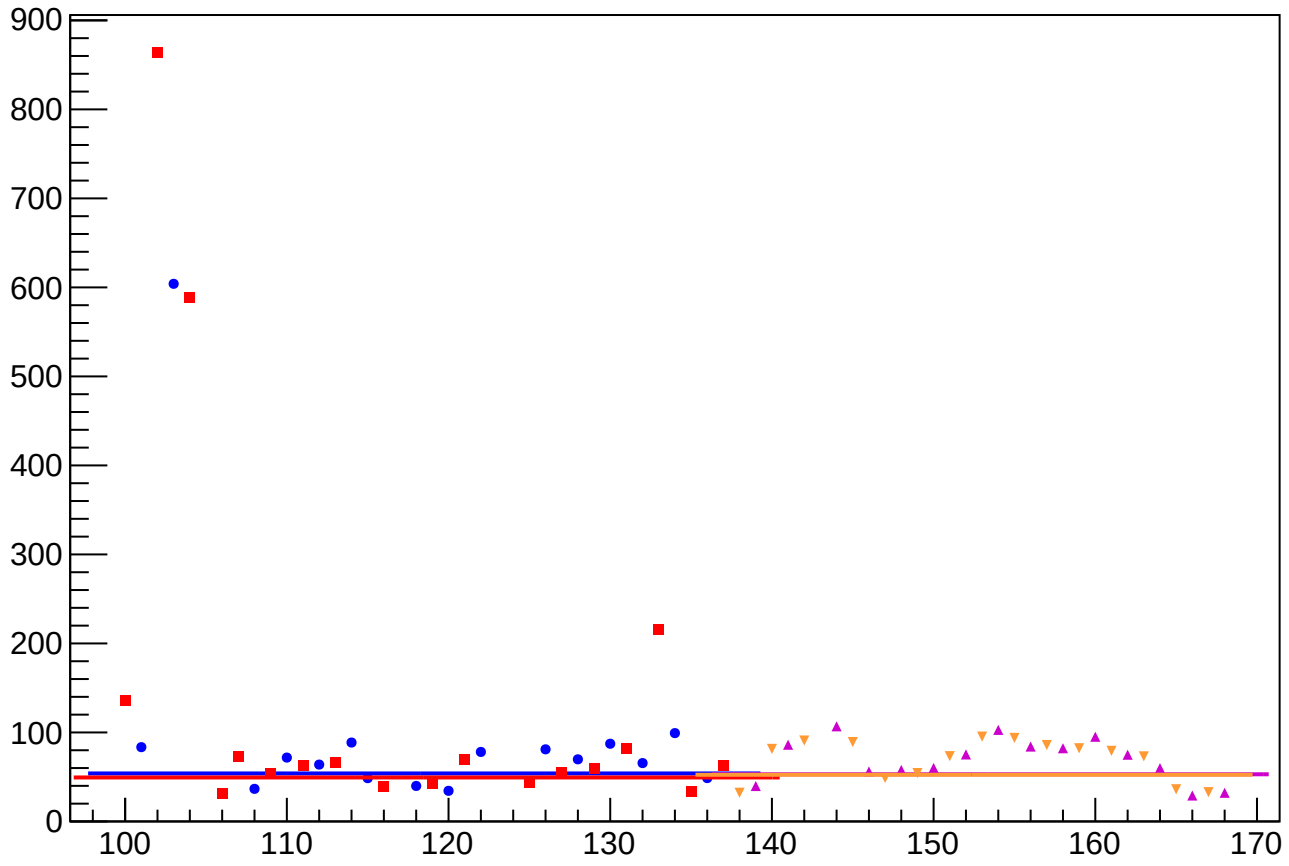
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.010+/-0.017 χ^2/NDF:11.4/14

+ sign 0.016+/-0.014 χ^2/NDF: 47.2/30

All: 0.003+/-0.010 χ^2/NDF: 73.8/63

- sign -0.009+/-0.014 χ^2/NDF: 25.1/32



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 52.457+/-0.012 χ^2/NDF:3378145.2/14

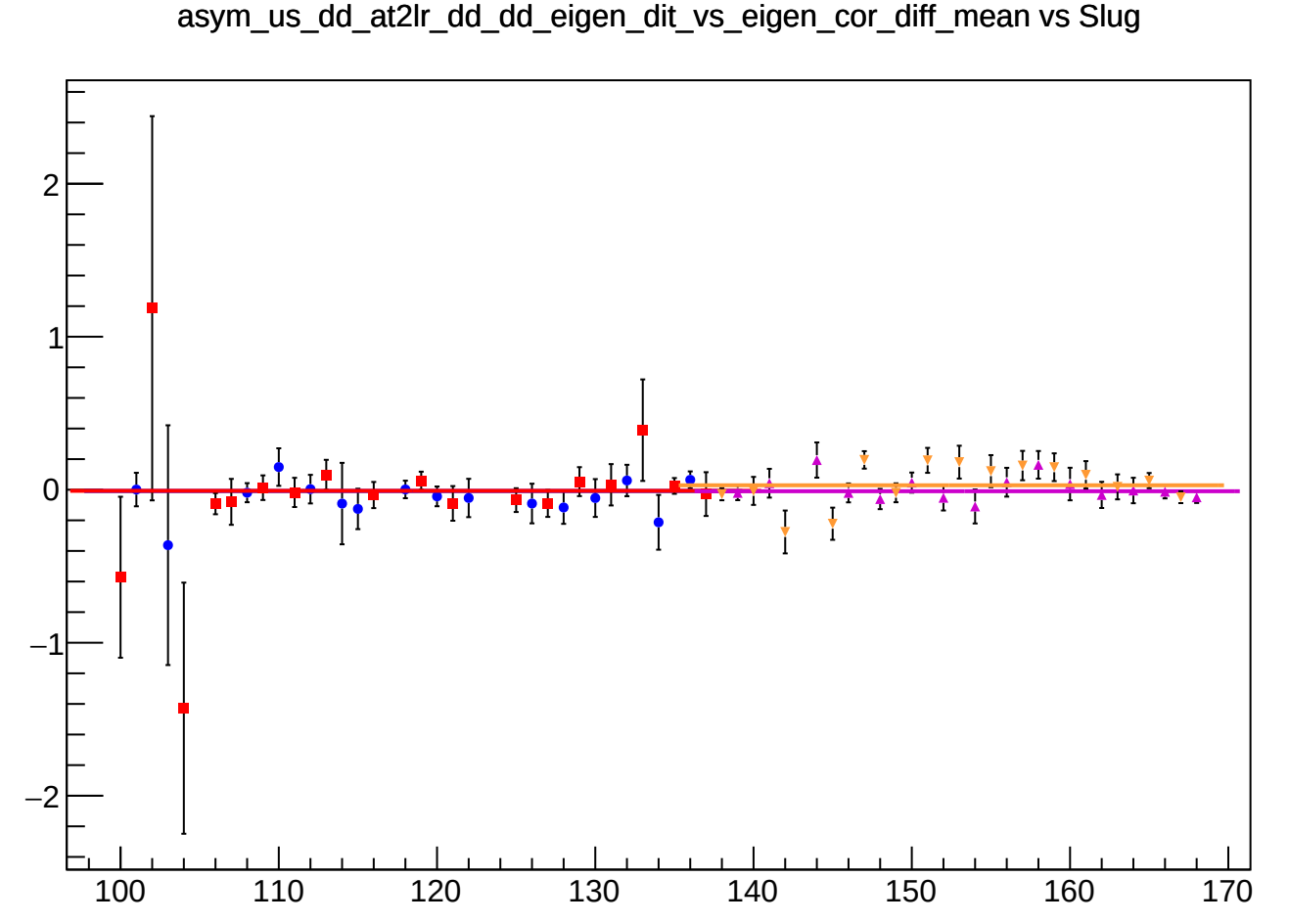
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 52.994+/-0.012 χ^2/NDF:3545677.0/14

+ sign 52.983+/-0.010 χ^2/NDF: 5597317.5/30

All: 52.313+/-0.007 χ^2/NDF: 12202174.0/63

- sign 51.669+/-0.010 χ^2/NDF: 6595631.3/32



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.029+/-0.017 χ^2/NDF:37.2/14

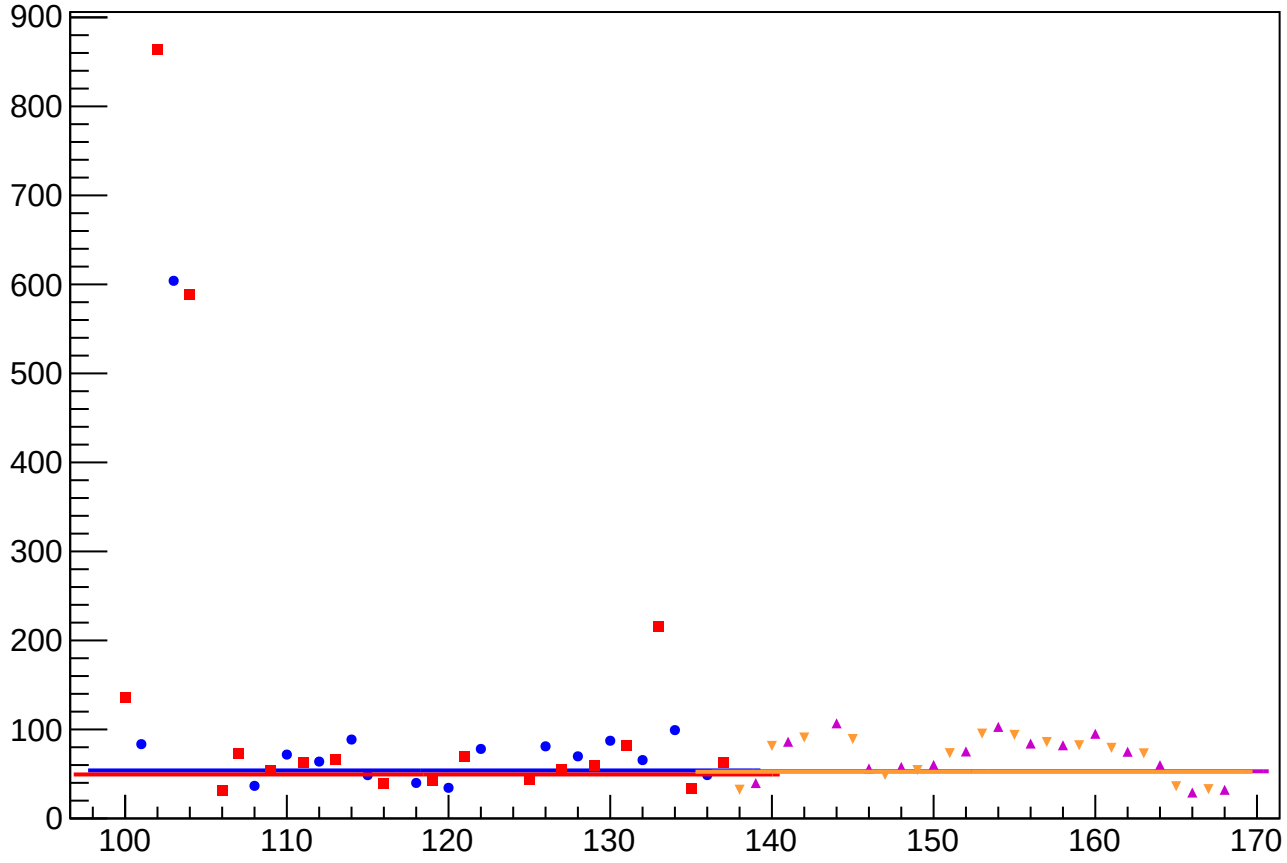
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.010+/-0.017 χ^2/NDF:11.4/14

+ sign 0.016+/-0.014 χ^2/NDF: 47.2/30

All: 0.003+/-0.010 χ^2/NDF: 73.8/63

- sign -0.009+/-0.014 χ^2/NDF: 25.1/32



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 52.457+/-0.012 χ^2/NDF:3378145.2/14

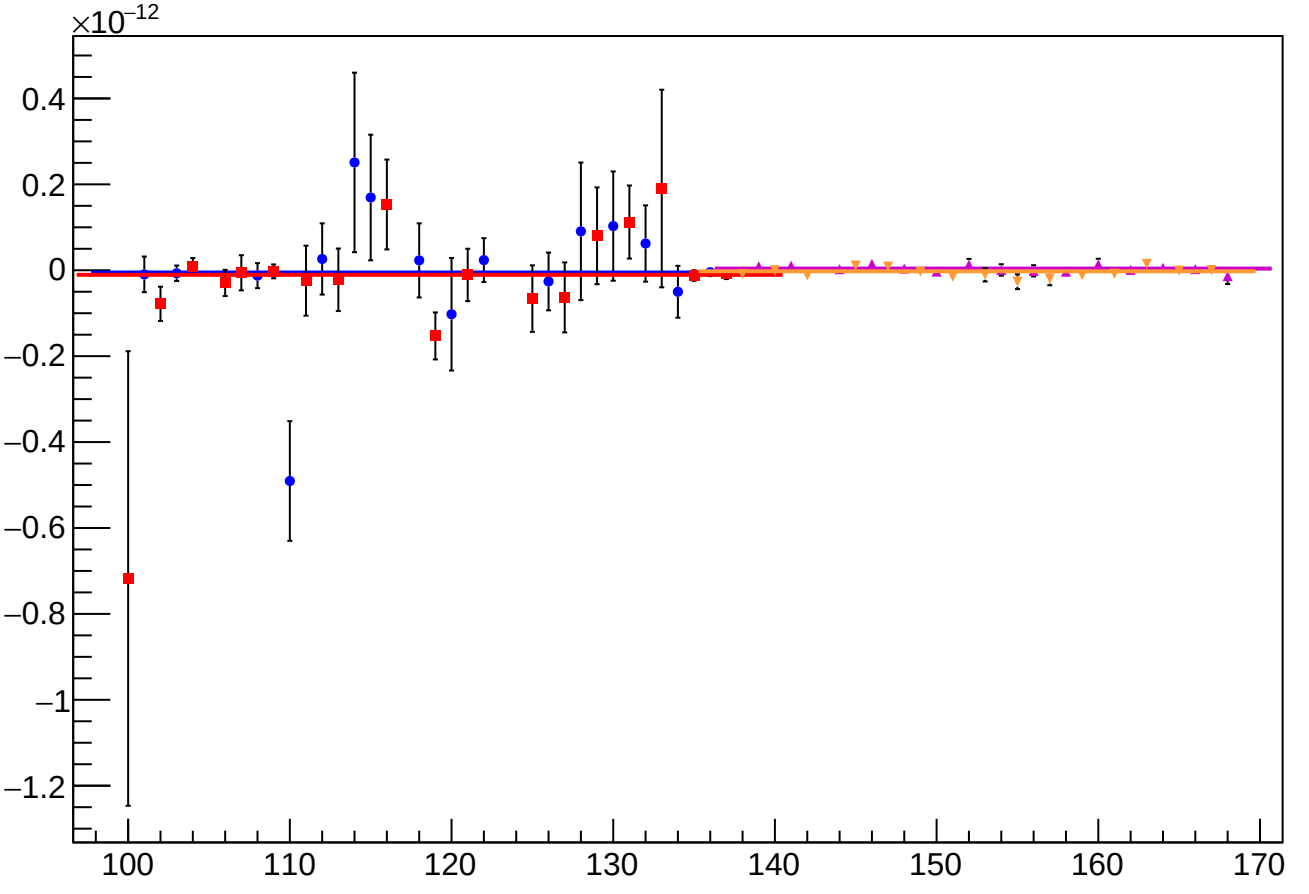
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 52.994+/-0.012 χ^2/NDF:3545677.0/14

+ sign 52.983+/-0.010 χ^2/NDF: 5597317.5/30

All: 52.313+/-0.007 χ^2/NDF: 12202174.0/63

- sign 51.669+/-0.010 χ^2/NDF: 6595631.3/32



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/14

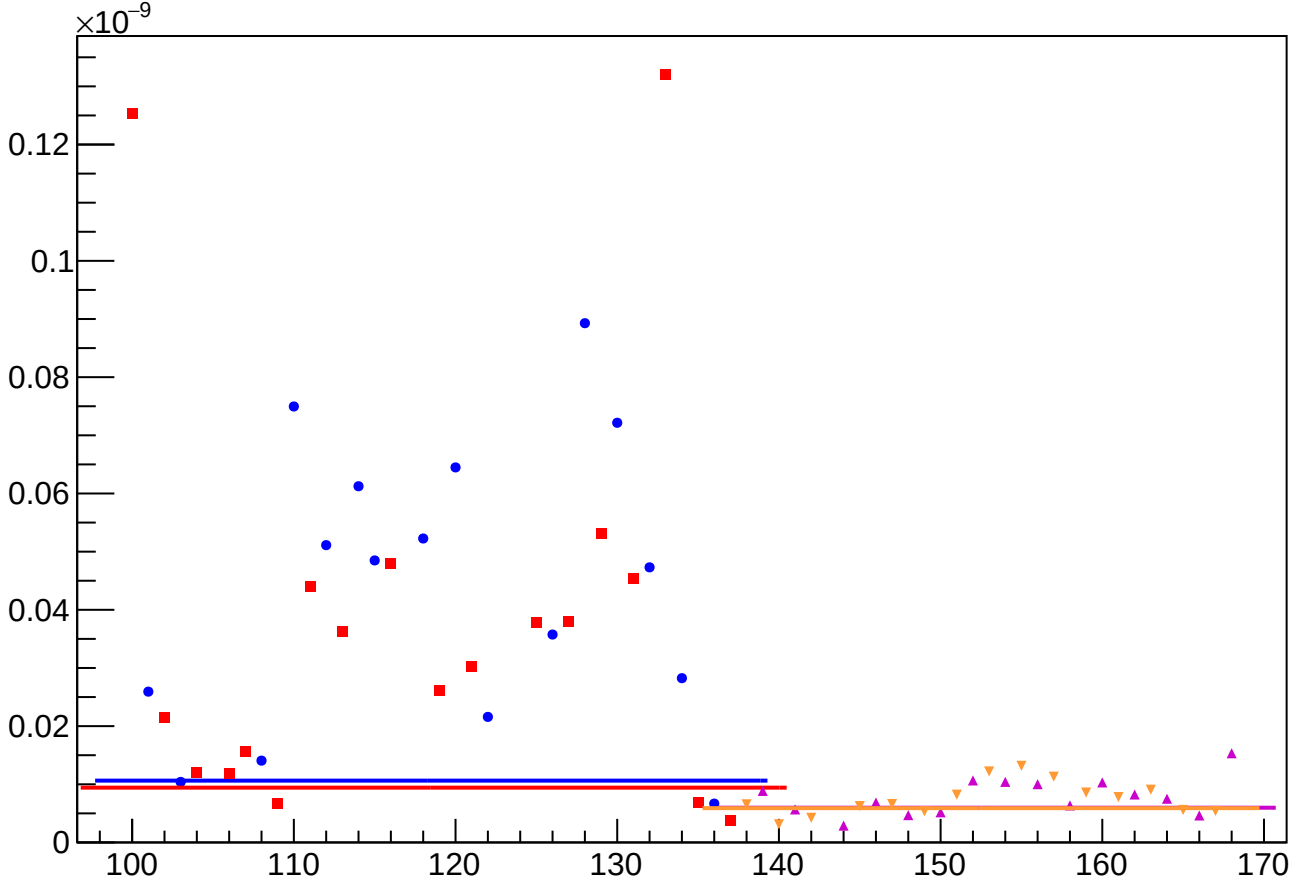
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:6.9/14

+ sign -0.000+/-0.000 χ^2/NDF: 33.1/30

All: -0.000+/-0.000 χ^2/NDF: 67.2/63

- sign 0.000+/-0.000 χ^2/NDF: 31.5/32



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2207536.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

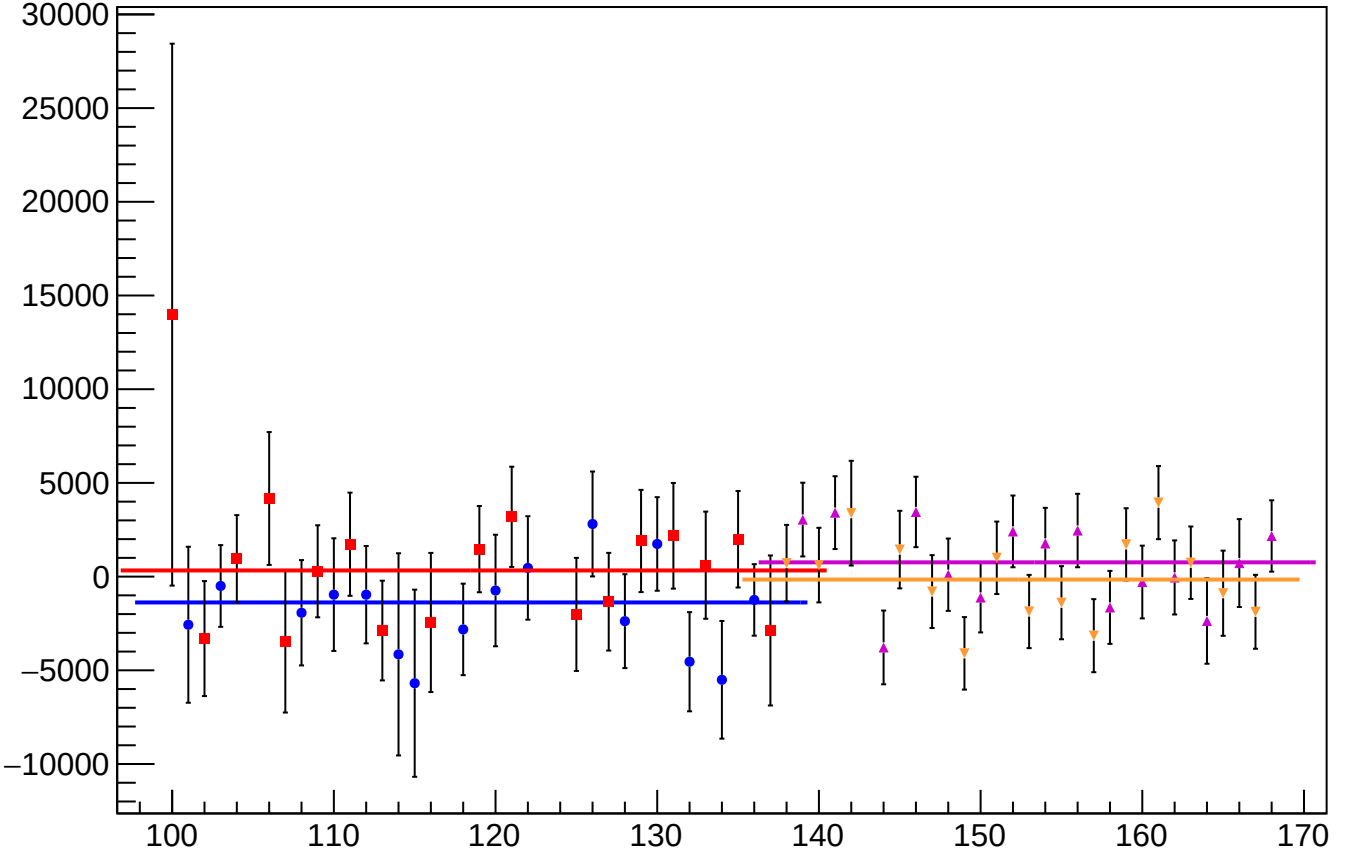
Left In: 0.000+/-0.000 χ^2/NDF:2646004.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 7628346.6/30

All: 0.000+/-0.000 χ^2/NDF: 14813839.8/63

- sign 0.000+/-0.000 χ^2/NDF: 7185404.9/32

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -156.785+/-520.581 χ^2/NDF:17.1/14

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

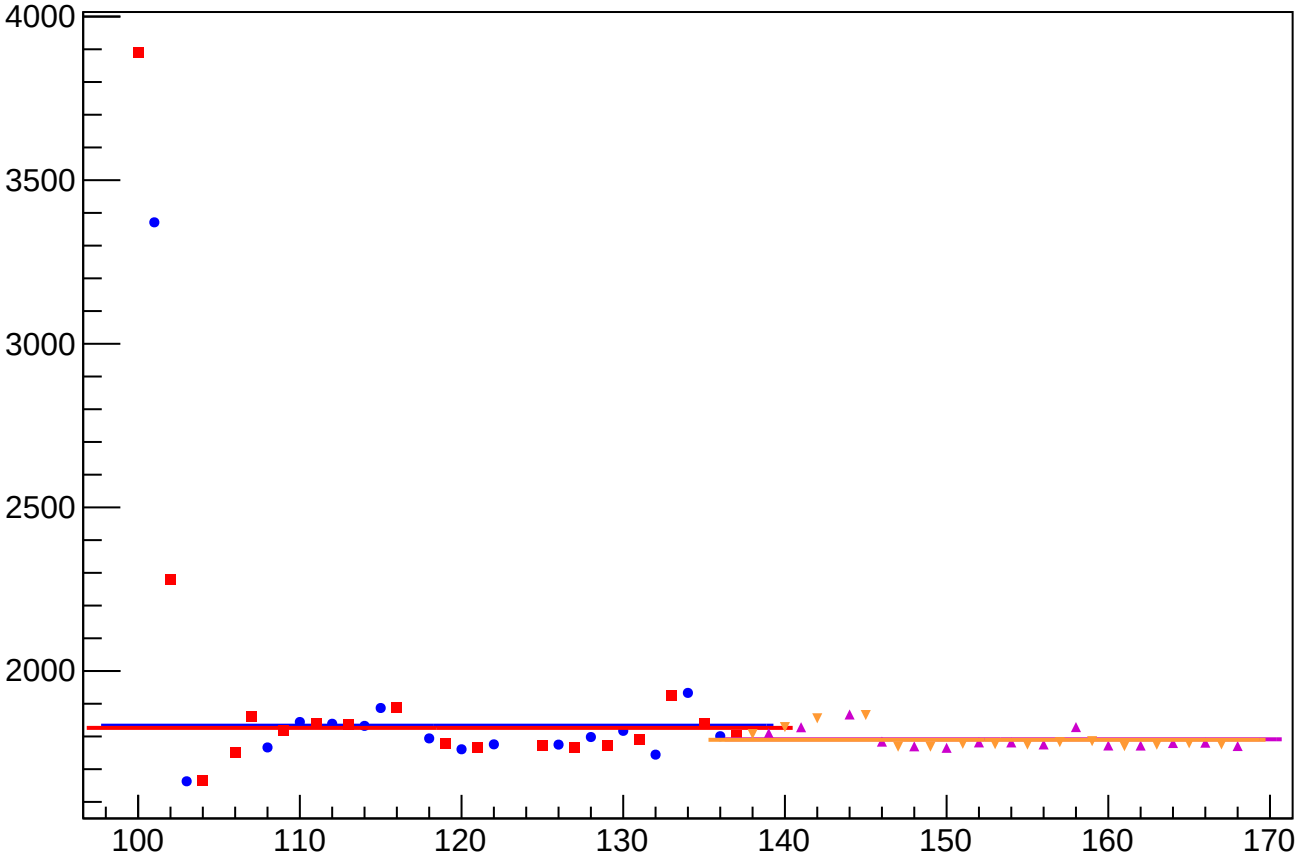
Left In: 761.113+/-508.503 χ^2/NDF:17.9/14

+ sign -600.839+/-415.360 χ^2/NDF: 28.4/30

All: 13.879+/-291.090 χ^2/NDF: 61.9/63

- sign 607.186+/-408.063 χ^2/NDF: 29.2/32

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1789.811+/-0.368 χ^2/NDF:5951.9/14

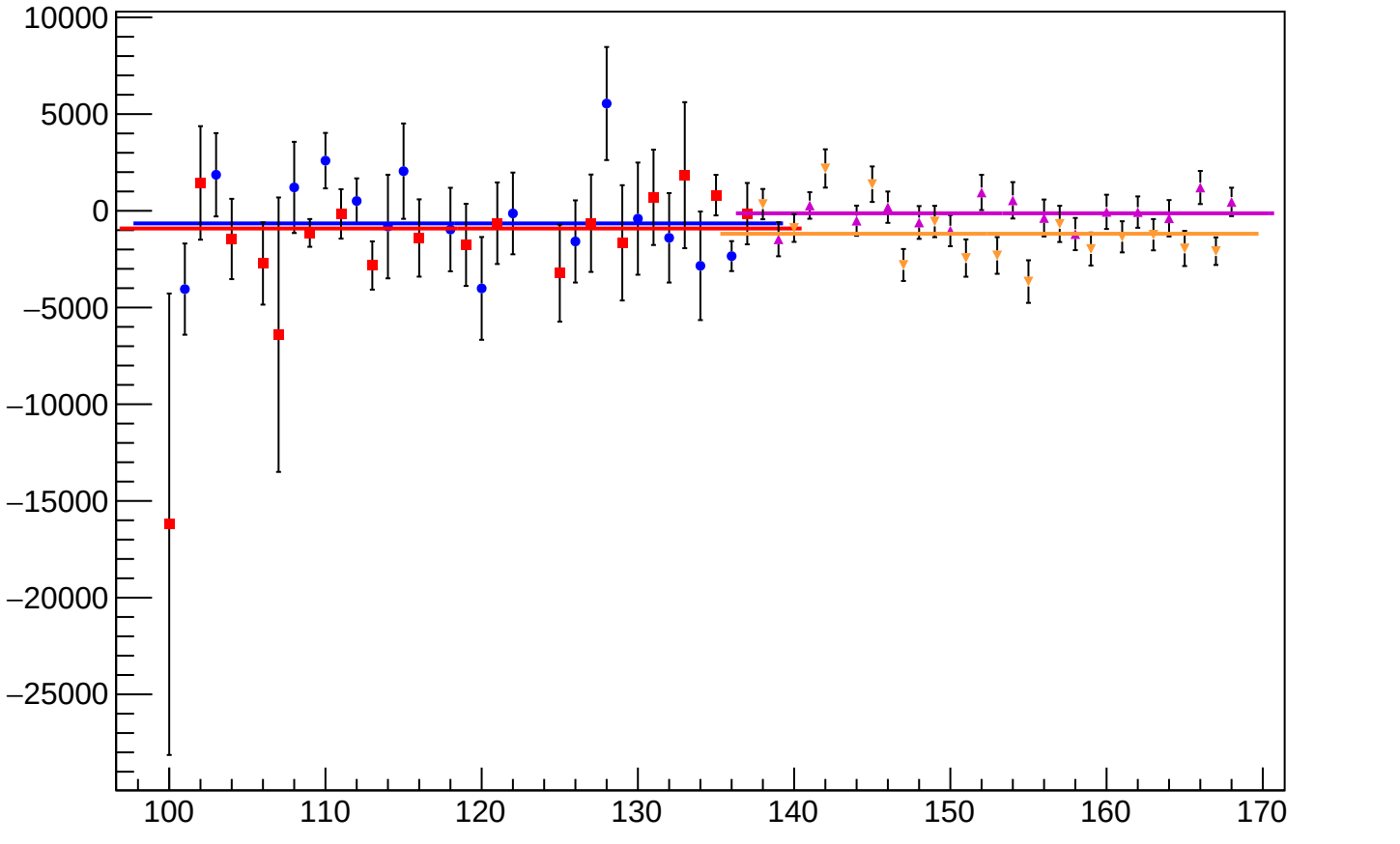
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1791.339+/-0.360 χ^2/NDF:6189.4/14

+ sign 1805.486+/-0.294 χ^2/NDF: 306381.3/30

All: 1804.605+/-0.206 χ^2/NDF: 418943.1/63

- sign 1803.754+/-0.289 χ^2/NDF: 112544.1/32



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -1186.225+/-220.603 χ^2/NDF:39.5/14

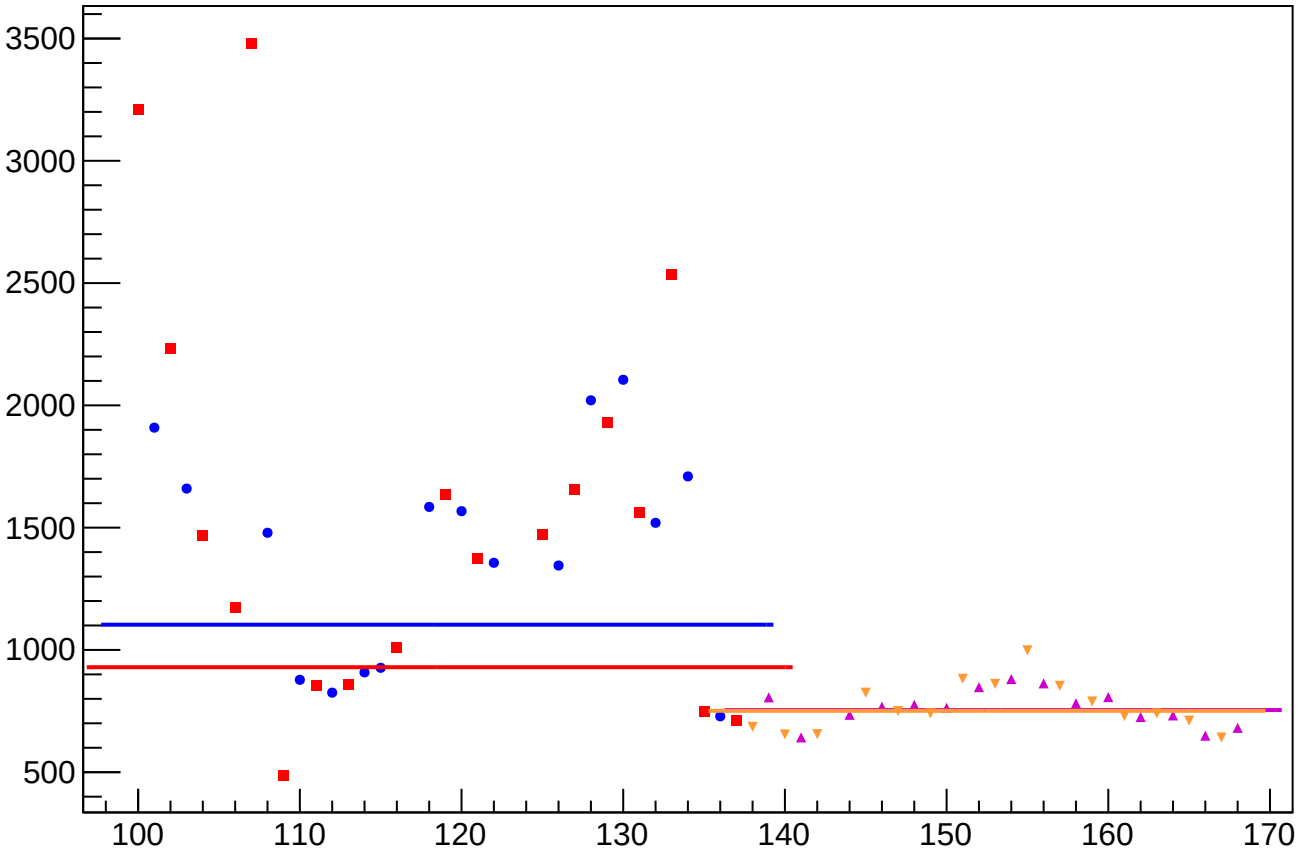
Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: -128.805+/-215.508 χ^2/NDF:11.4/14

+ sign -1079.727+/-197.396 χ^2/NDF: 63.8/30

All: -678.267+/-136.518 χ^2/NDF: 97.8/63

- sign -310.198+/-189.009 χ^2/NDF: 26.0/32



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 751.080+/-0.156 χ^2/NDF:327636.2/14

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

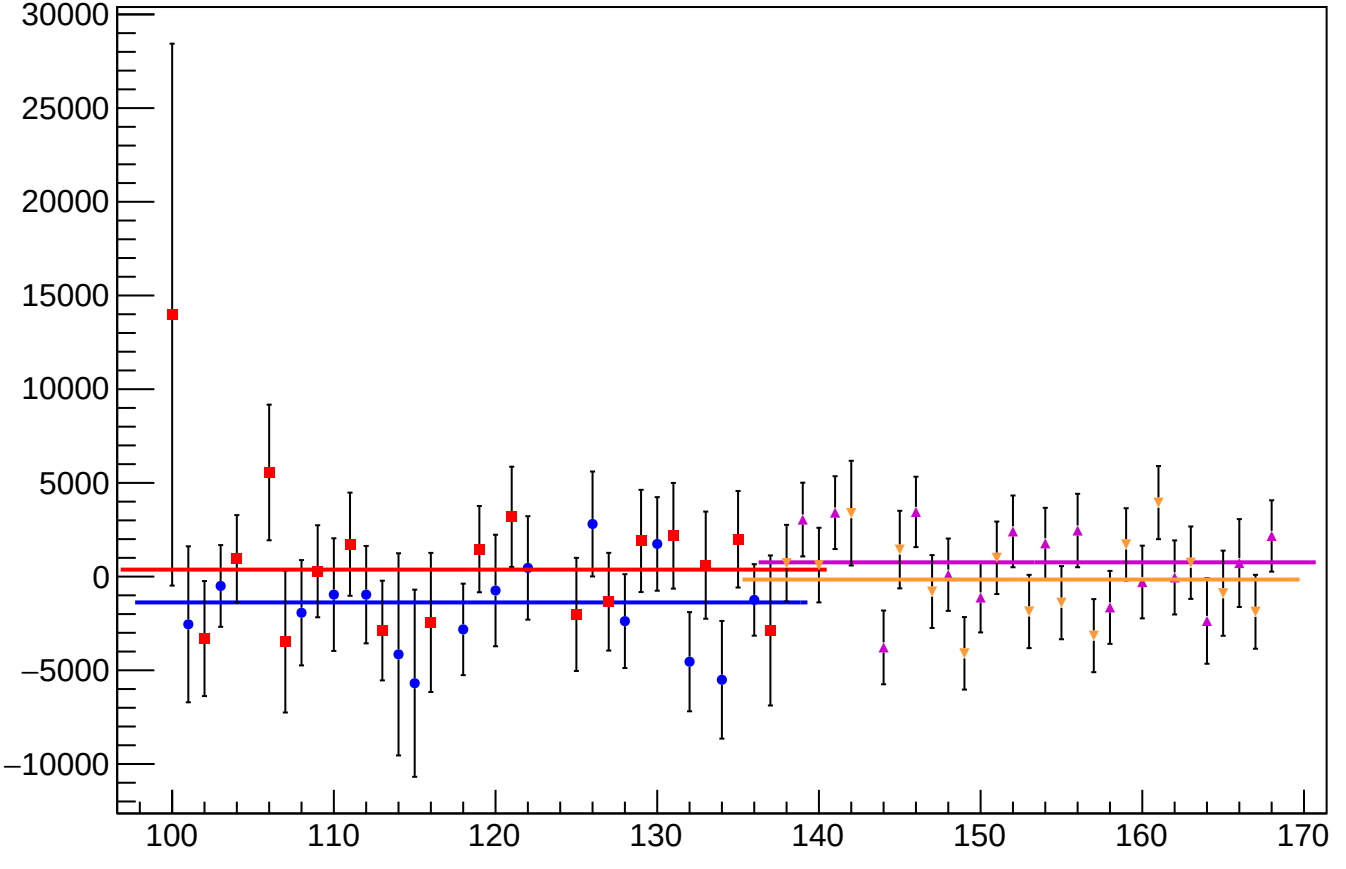
Left In: 754.265+/-0.152 χ^2/NDF:209162.0/14

+ sign 821.264+/-0.140 χ^2/NDF: 3221393.0/30

All: 807.394+/-0.097 χ^2/NDF: 6808281.2/63

- sign 794.677+/-0.134 χ^2/NDF: 3567959.7/32

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -156.674+/-520.581 χ^2/NDF:17.1/14

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

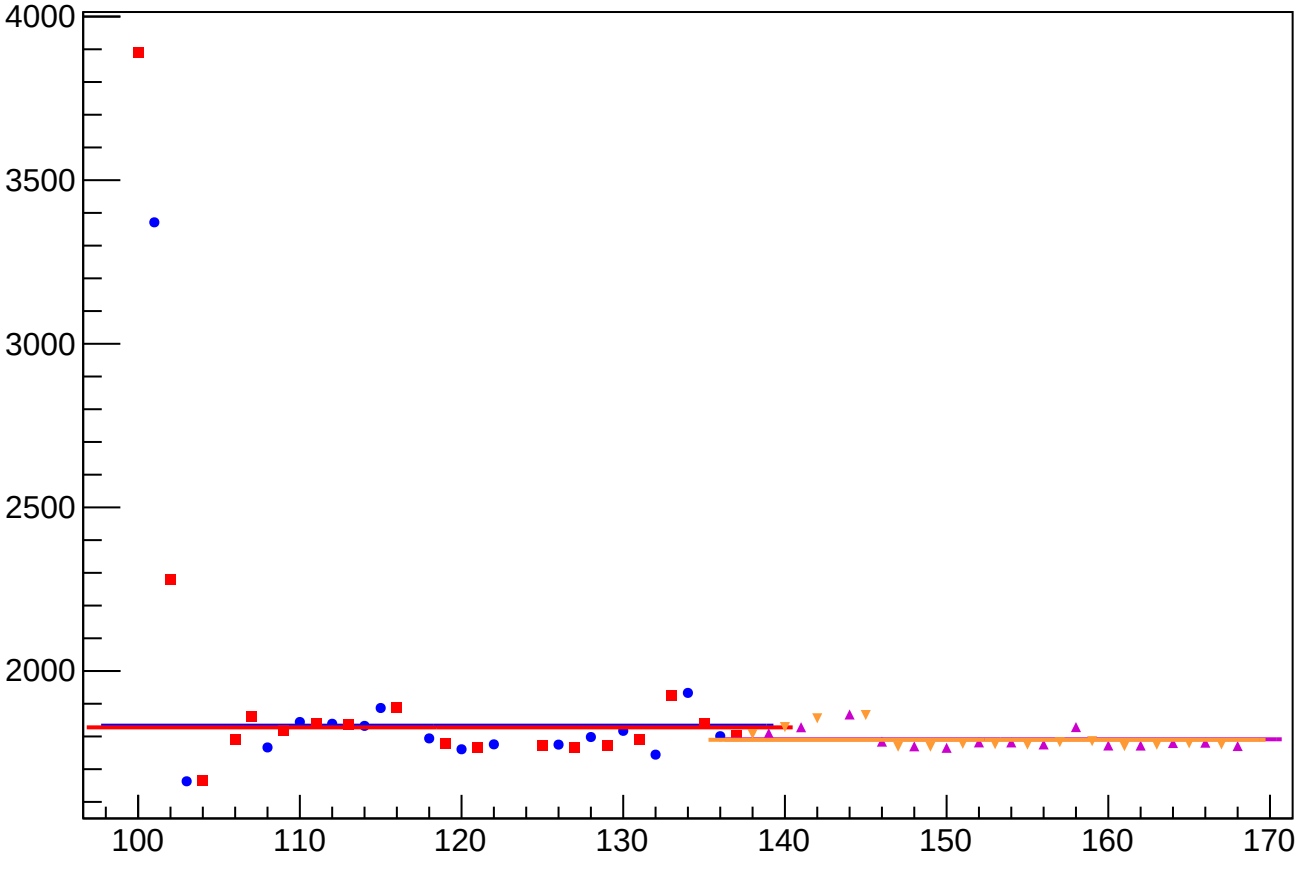
Left In: 761.023+/-508.503 χ^2/NDF:17.9/14

+ sign -600.541+/-415.360 χ^2/NDF: 28.4/30

All: 21.828+/-291.130 χ^2/NDF: 62.9/63

- sign 622.846+/-408.173 χ^2/NDF: 30.1/32

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1789.811+/-0.368 χ^2/NDF:5951.9/14

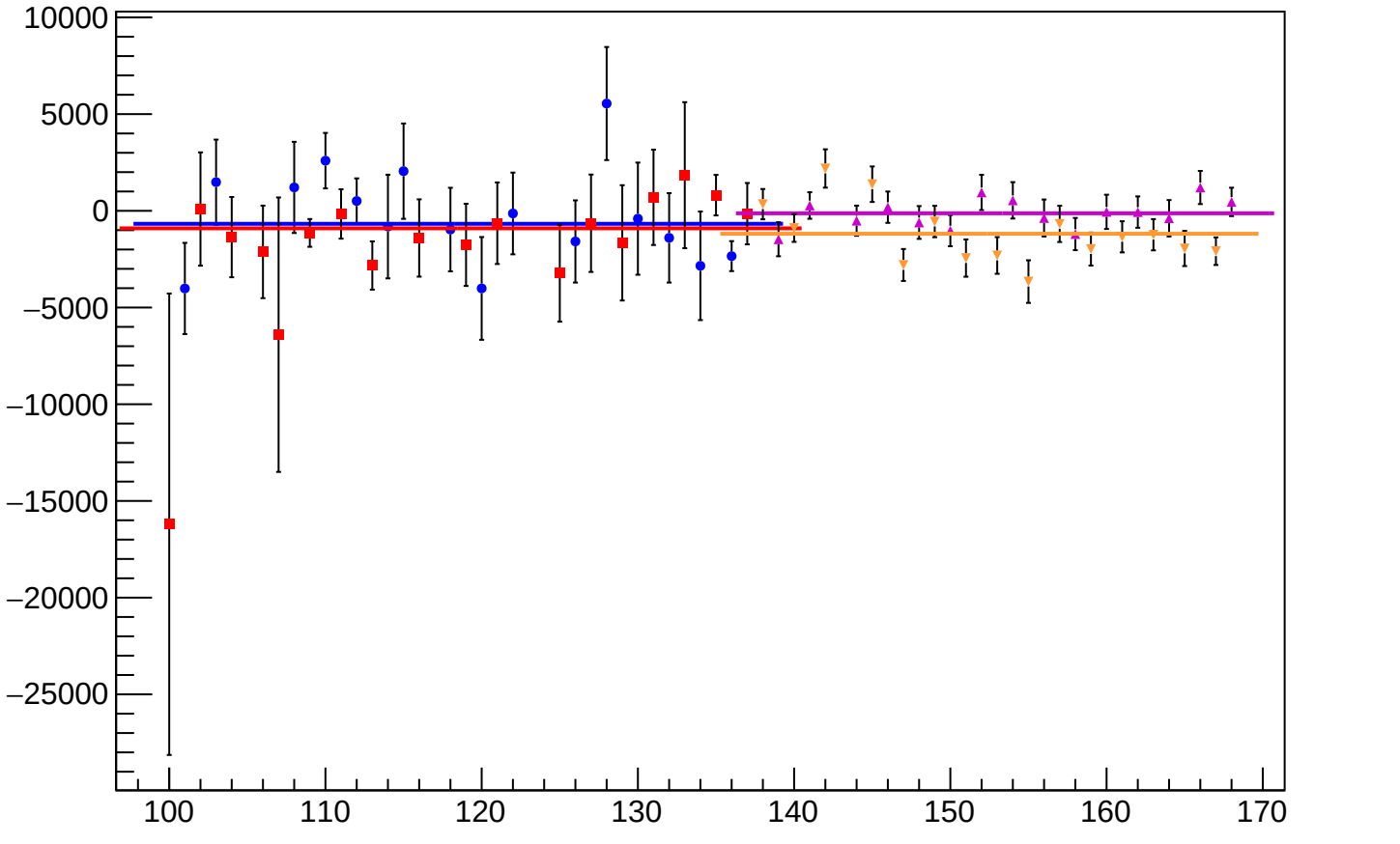
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1791.339+/-0.360 χ^2/NDF:6189.4/14

+ sign 1805.486+/-0.294 χ^2/NDF: 306383.1/30

All: 1804.884+/-0.206 χ^2/NDF: 418505.3/63

- sign 1804.302+/-0.289 χ^2/NDF: 112113.9/32



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1186.233+/-220.604 χ^2/NDF:39.4/14

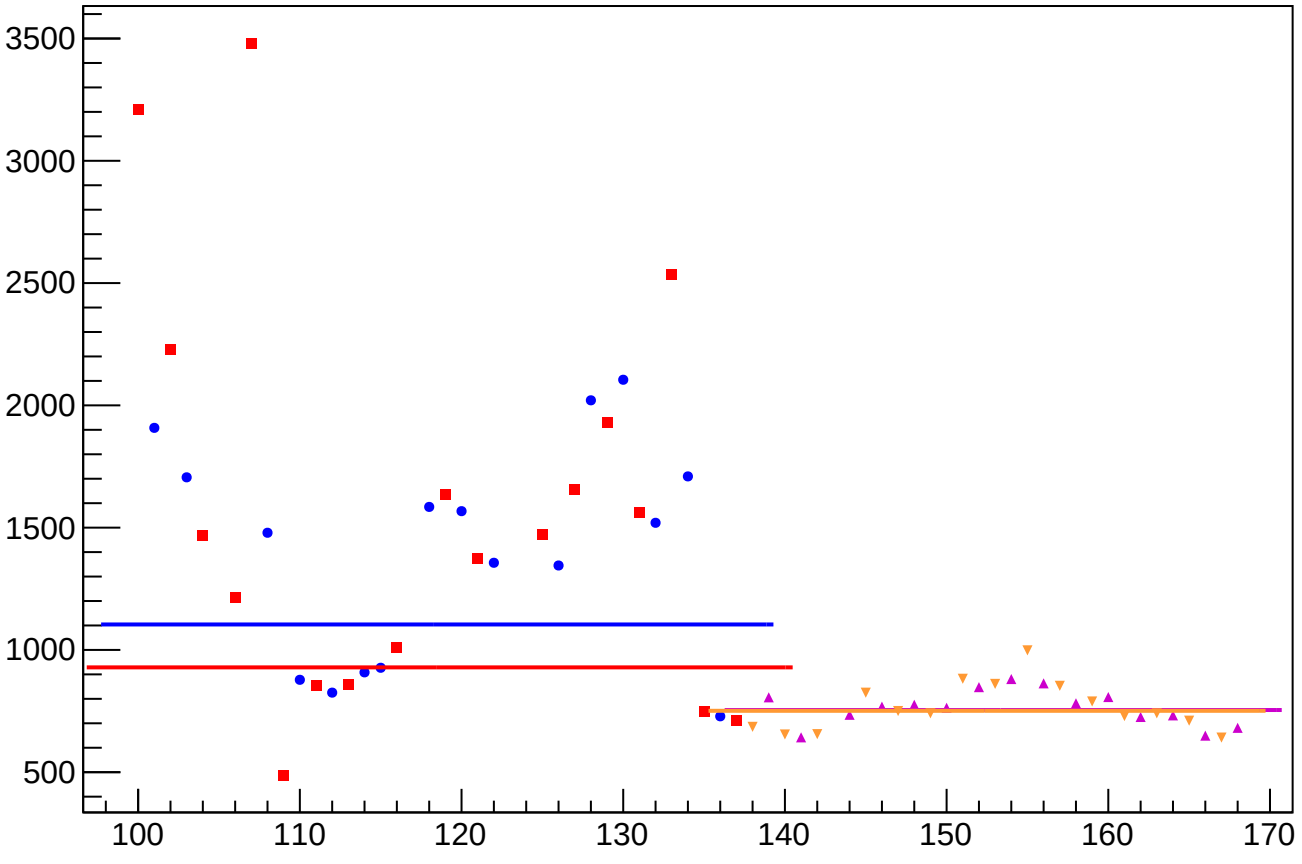
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -128.705+/-215.509 χ^2/NDF:11.4/14

+ sign -1083.577+/-197.430 χ^2/NDF: 63.3/30

All: -678.745+/-136.587 χ^2/NDF: 96.3/63

- sign -307.107+/-189.163 χ^2/NDF: 24.9/32



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 751.085+/-0.156 χ^2/NDF:327609.2/14

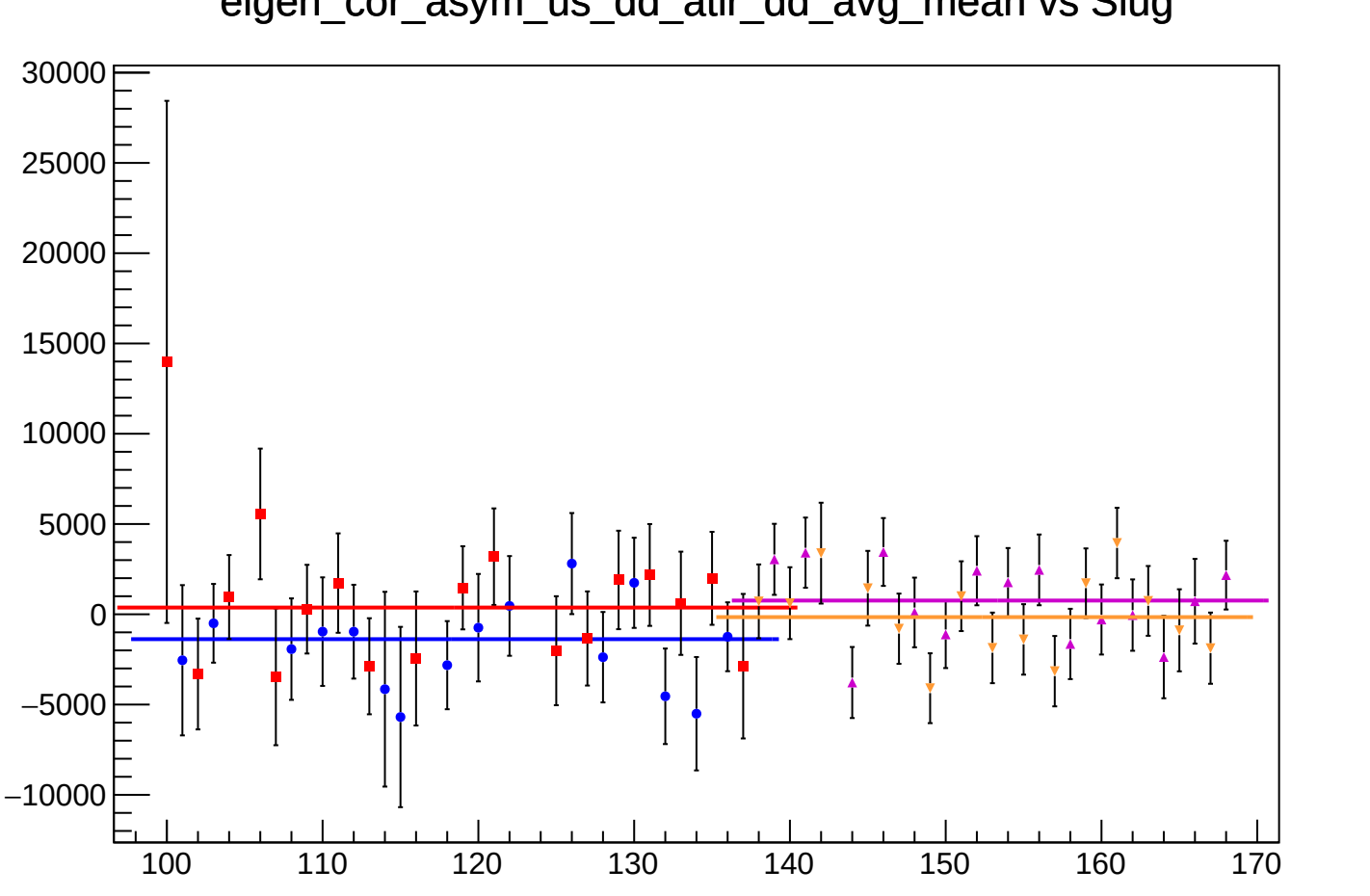
Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 754.267+/-0.152 χ^2/NDF:209226.0/14

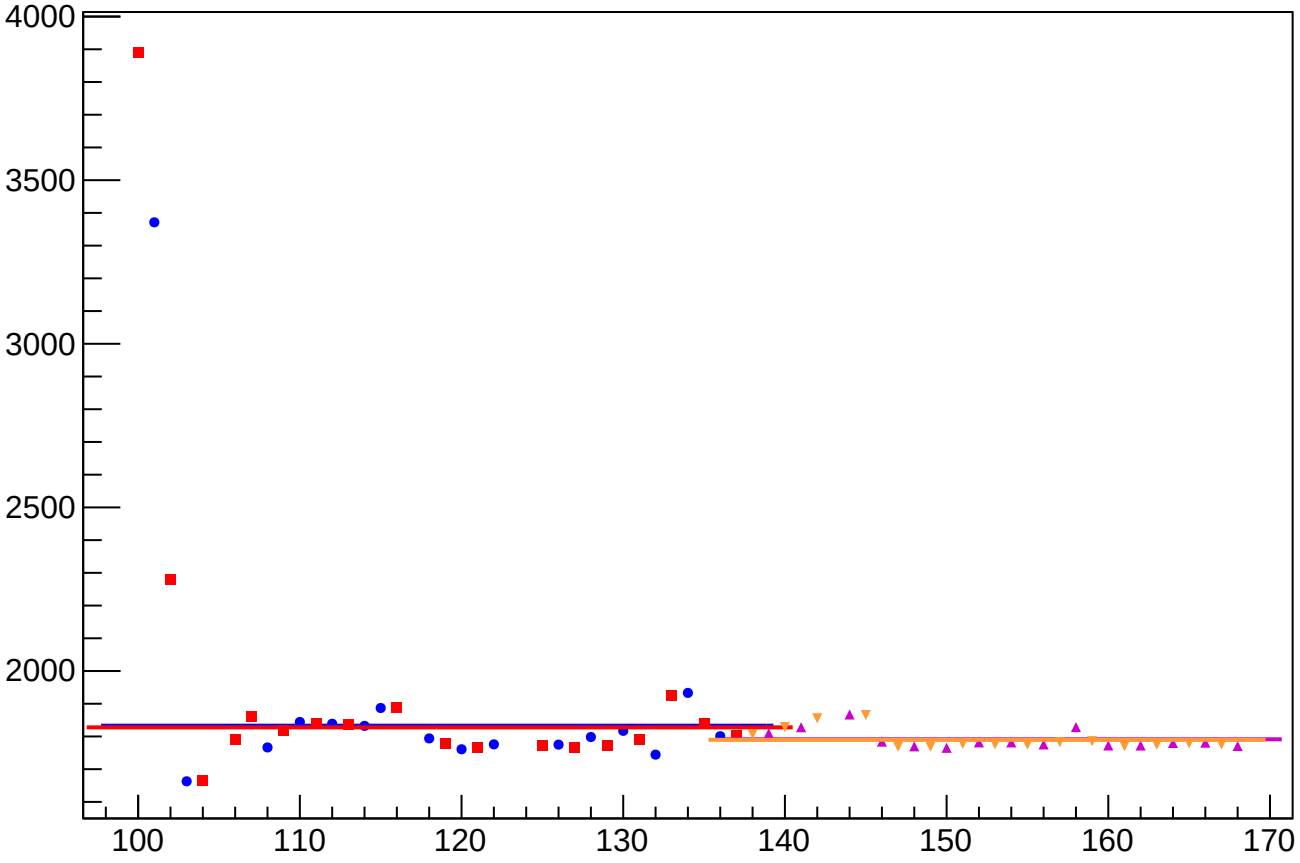
+ sign 821.358+/-0.140 χ^2/NDF: 3241583.8/30

All: 807.247+/-0.097 χ^2/NDF: 6825319.7/63

- sign 794.292+/-0.134 χ^2/NDF: 3564139.1/32


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: -156.674+/-520.581 χ²/NDF:17.1/14
Right Out: 372.534+/-684.408 χ²/NDF: 12.0/17
Left In: 761.023+/-508.503 χ²/NDF:17.9/14
+ sign -600.541+/-415.360 χ²/NDF: 28.4/30
All: 21.828+/-291.130 χ²/NDF: 62.9/63
- sign 622.846+/-408.173 χ²/NDF: 30.1/32

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: 1789.811+/-0.368 χ^2/NDF:5951.9/14

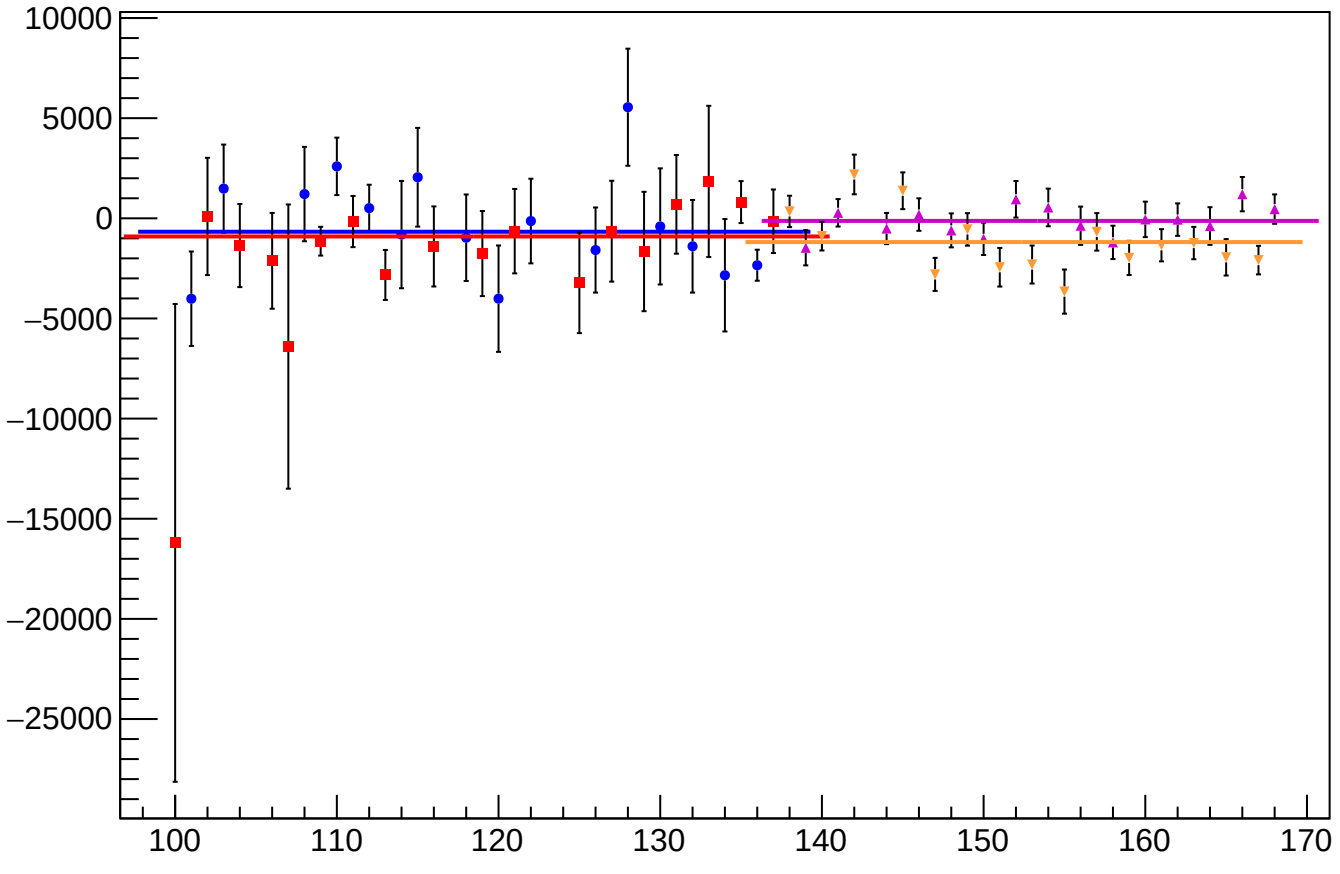
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1791.339+/-0.360 χ^2/NDF:6189.4/14

+ sign 1805.486+/-0.294 χ^2/NDF: 306383.1/30

All: 1804.884+/-0.206 χ^2/NDF: 418505.3/63

- sign 1804.302+/-0.289 χ^2/NDF: 112113.9/32



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1186.233+/-220.604 χ^2/NDF:39.4/14

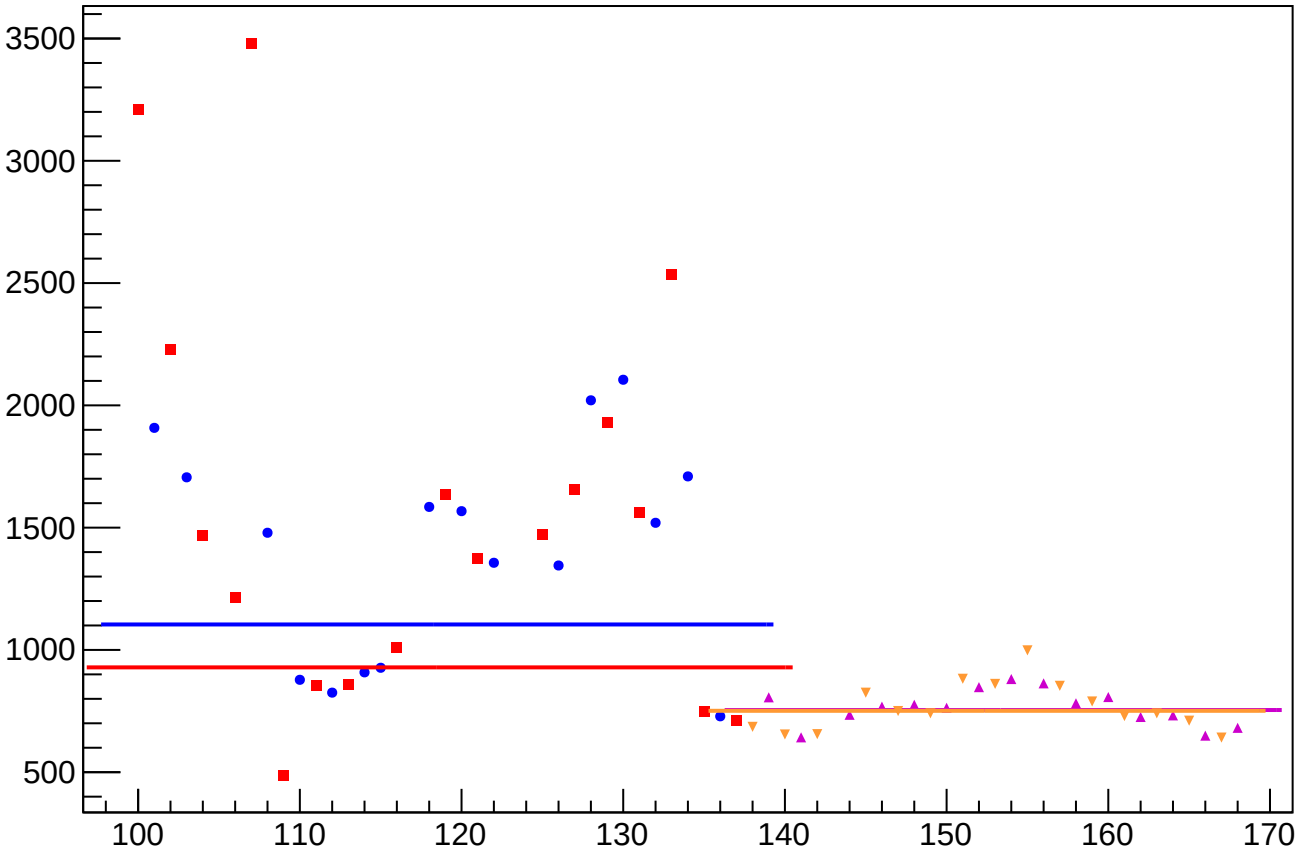
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -128.705+/-215.509 χ^2/NDF:11.4/14

+ sign -1083.577+/-197.430 χ^2/NDF: 63.3/30

All: -678.745+/-136.587 χ^2/NDF: 96.3/63

- sign -307.107+/-189.163 χ^2/NDF: 24.9/32



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 751.085+/-0.156 χ^2/NDF:327609.2/14

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

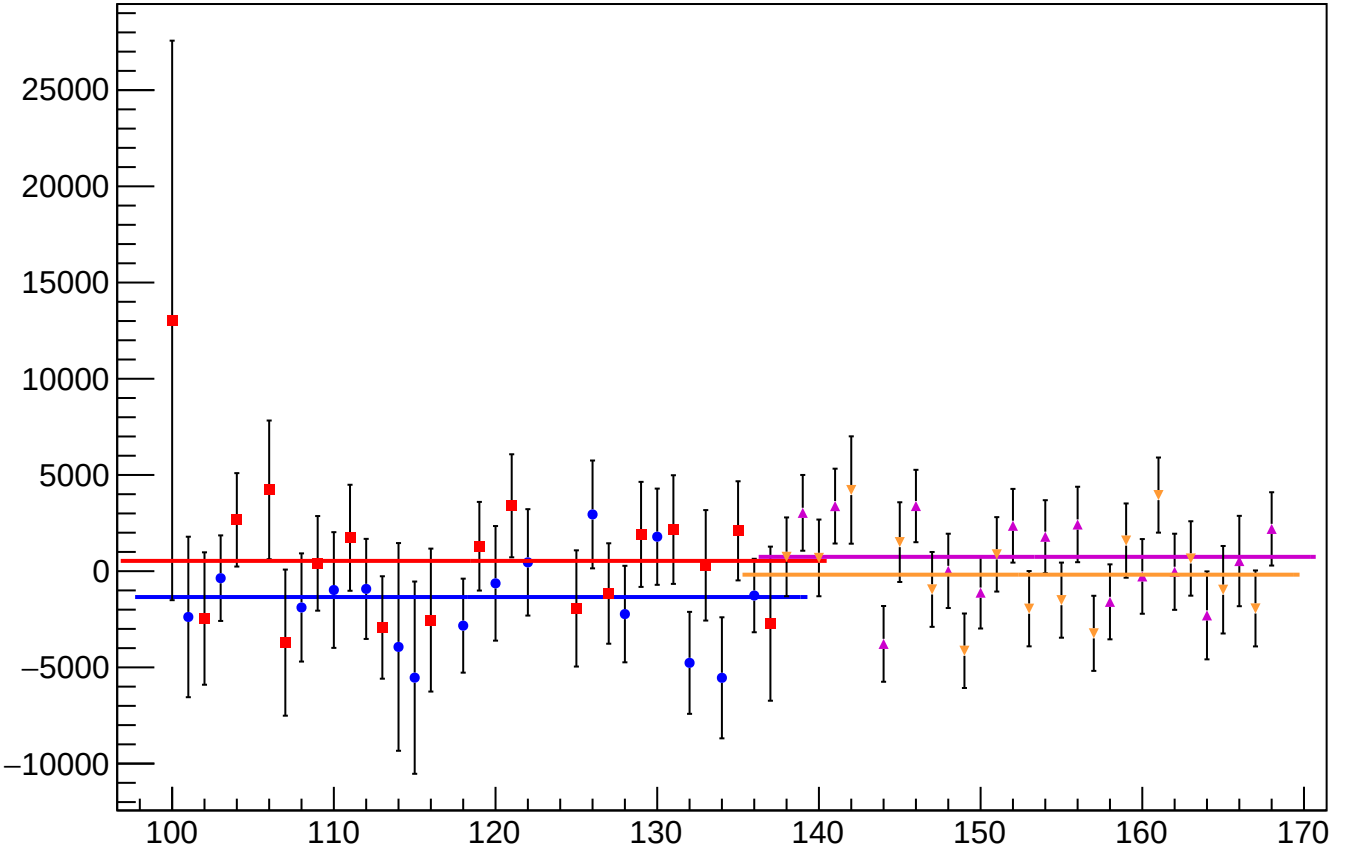
Left In: 754.267+/-0.152 χ^2/NDF:209226.0/14

\+ sign 821.358+/-0.140 χ^2/NDF: 3241583.8/30

All: 807.247+/-0.097 χ^2/NDF: 6825319.7/63

\- sign 794.292+/-0.134 χ^2/NDF: 3564139.1/32

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -181.850+/-520.920 χ^2/NDF:18.3/14

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

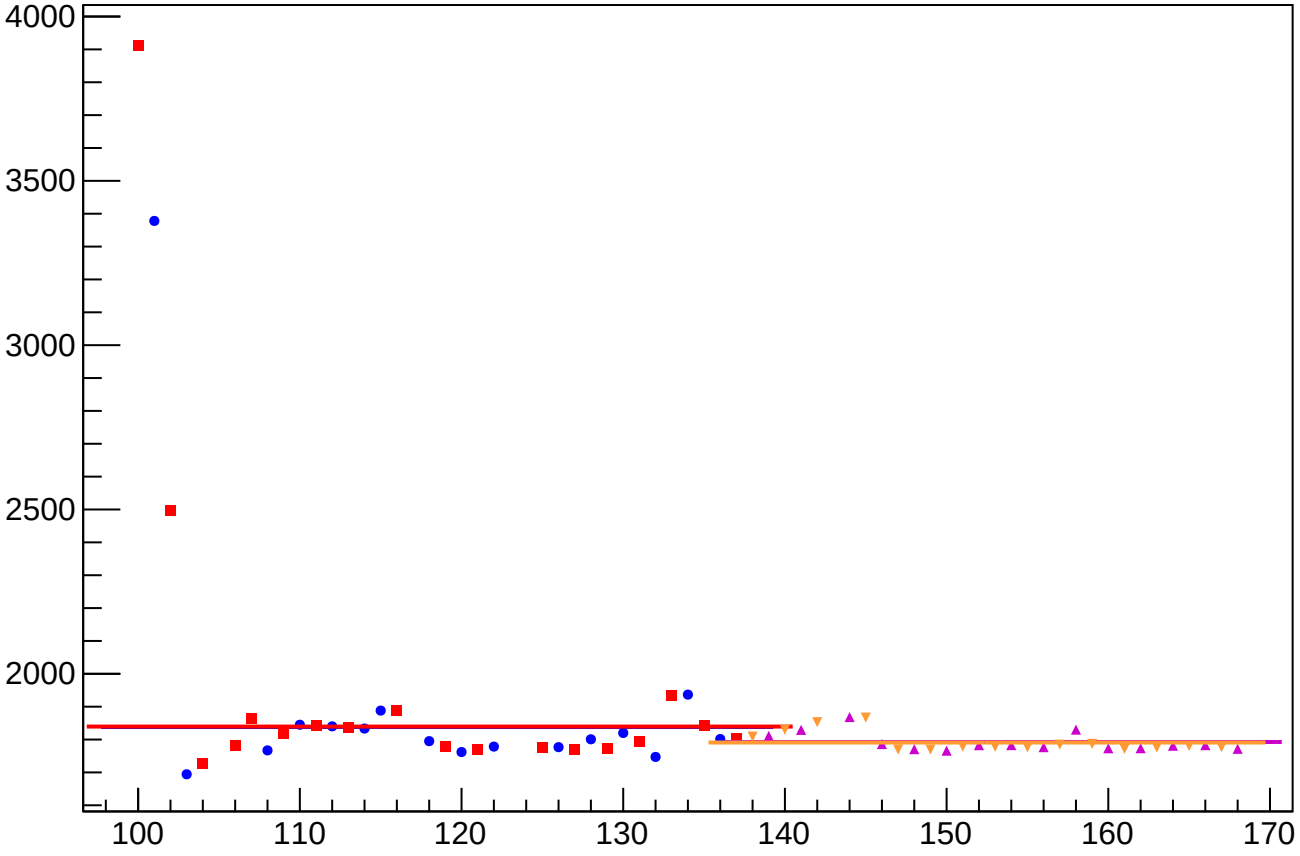
Left In: 744.448+/-508.856 χ^2/NDF:17.6/14

+ sign -603.009+/-415.950 χ^2/NDF: 29.7/30

All: 43.336+/-291.900 χ^2/NDF: 63.2/63

- sign 670.515+/-409.737 χ^2/NDF: 28.7/32

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1790.970+/-0.368 χ^2/NDF:5852.0/14

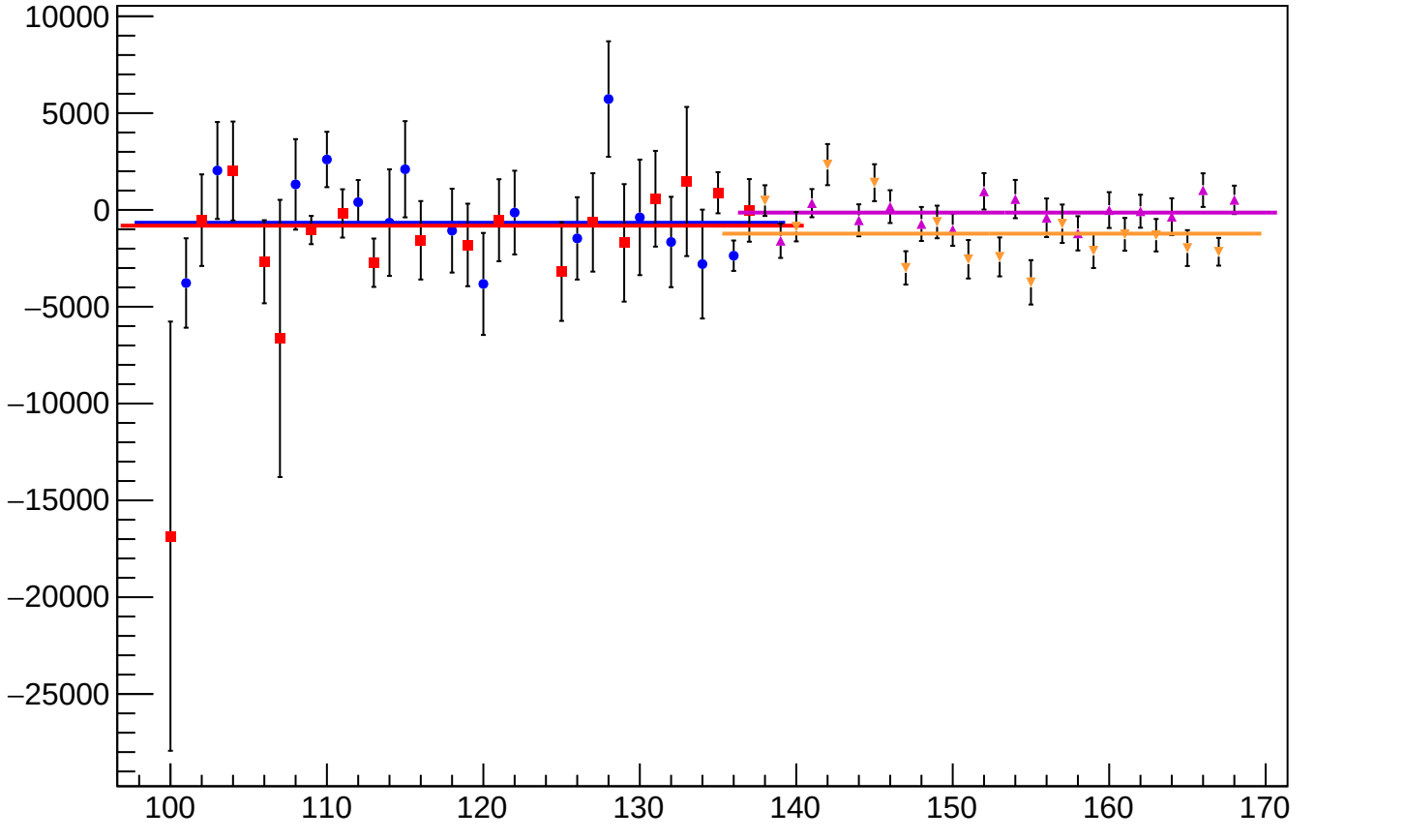
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1792.580+/-0.360 χ^2/NDF:6221.8/14

+ sign 1808.072+/-0.294 χ^2/NDF: 303784.2/30

All: 1808.586+/-0.206 χ^2/NDF: 444249.4/63

- sign 1809.085+/-0.290 χ^2/NDF: 140459.2/32



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -1224.583+/-229.239 χ^2/NDF:40.1/14

Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

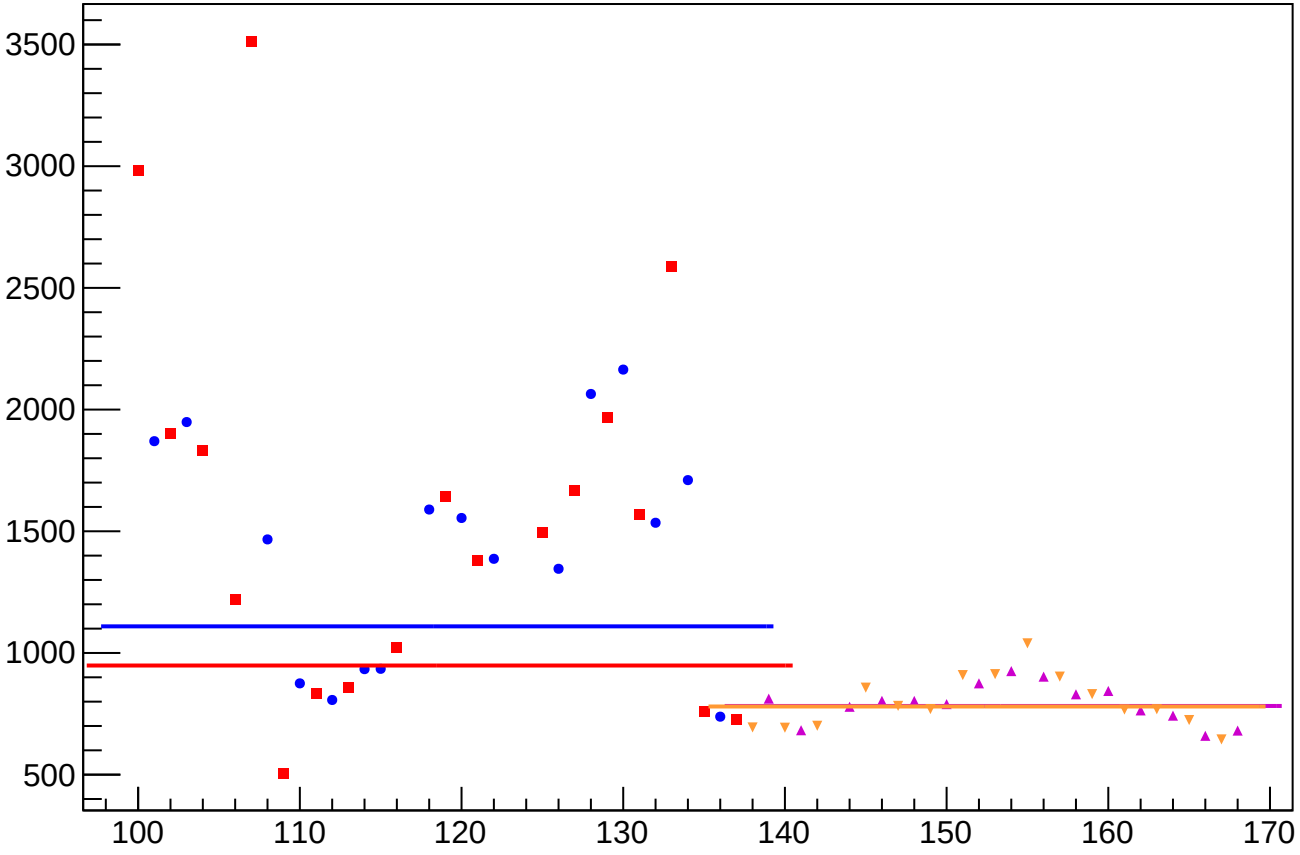
Left In: -138.448+/-223.535 χ^2/NDF:11.1/14

+ sign -1107.288+/-203.875 χ^2/NDF: 64.1/30

All: -685.553+/-140.844 χ^2/NDF: 97.8/63

- sign -300.515+/-194.803 χ^2/NDF: 25.6/32

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: 780.077+/-0.162 χ^2/NDF:362024.1/14

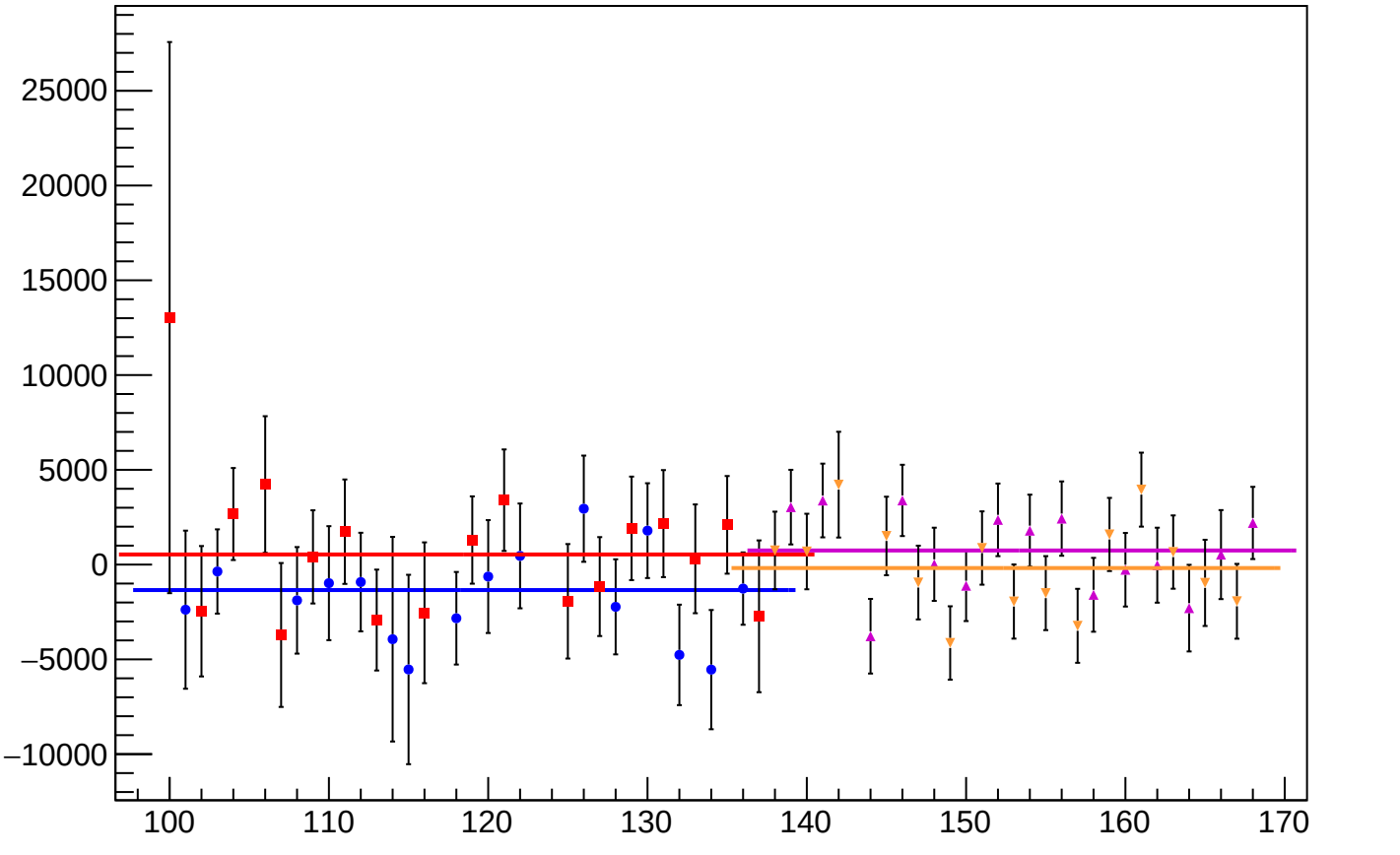
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 782.265+/-0.158 χ^2/NDF:229972.4/14

+ sign 848.913+/-0.144 χ^2/NDF: 3198055.0/30

All: 834.969+/-0.100 χ^2/NDF: 6765462.3/63

- sign 822.238+/-0.138 χ^2/NDF: 3549509.1/32



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -181.849+/-520.920 χ^2/NDF:18.3/14

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

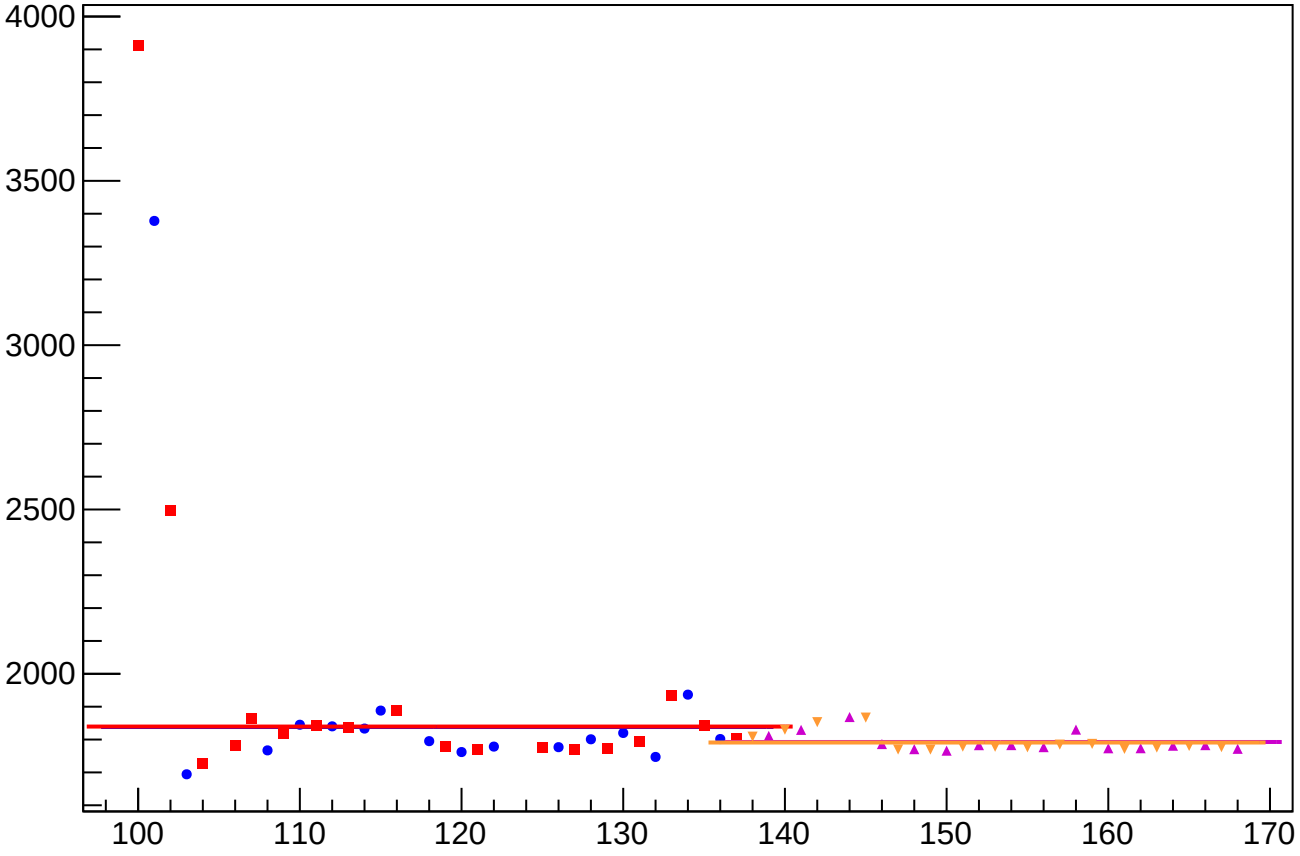
Left In: 744.447+/-508.856 χ^2/NDF:17.6/14

+ sign -603.009+/-415.950 χ^2/NDF: 29.7/30

All: 43.337+/-291.900 χ^2/NDF: 63.2/63

- sign 670.517+/-409.737 χ^2/NDF: 28.7/32

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: 1790.970+/-0.368 χ^2/NDF:5852.0/14

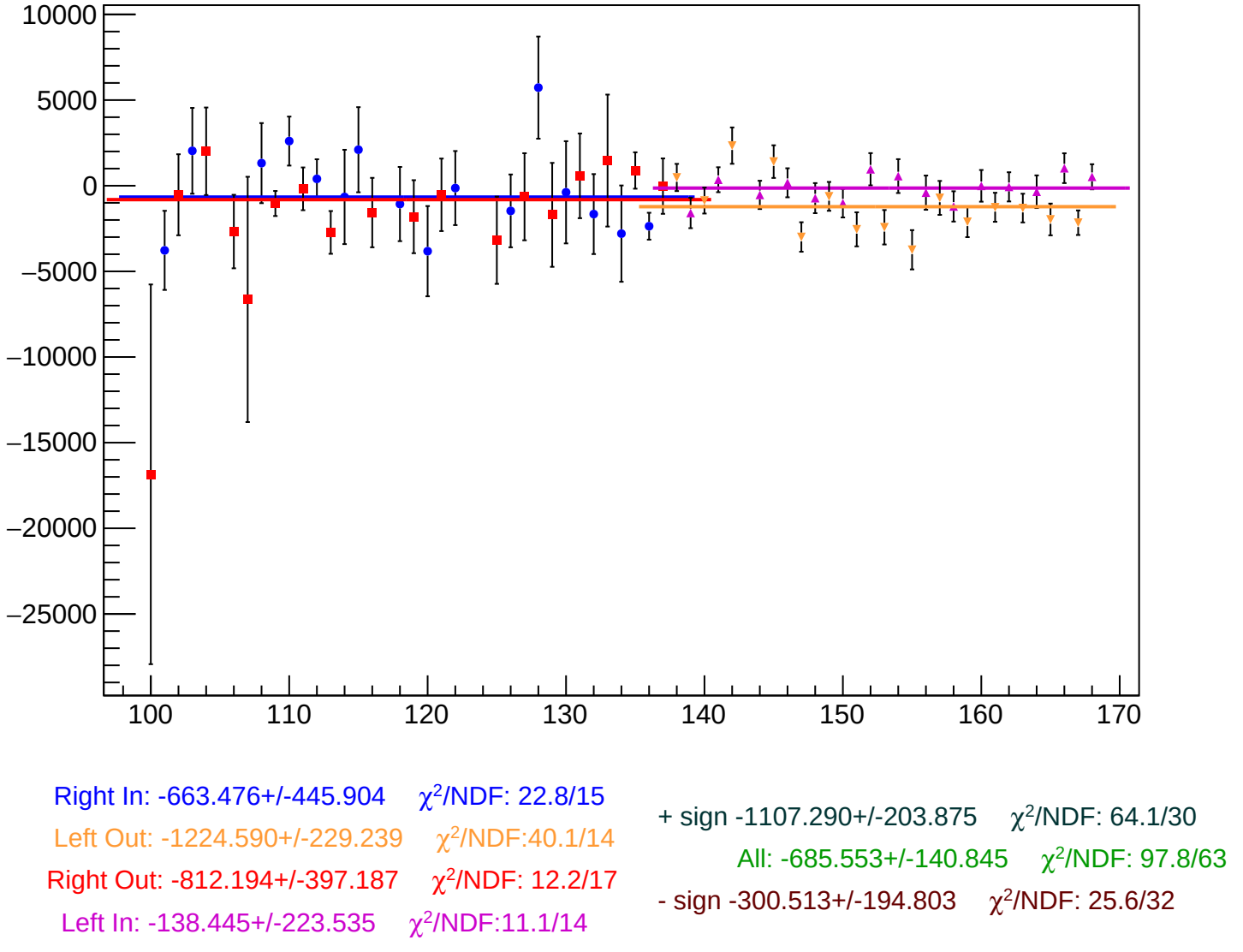
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

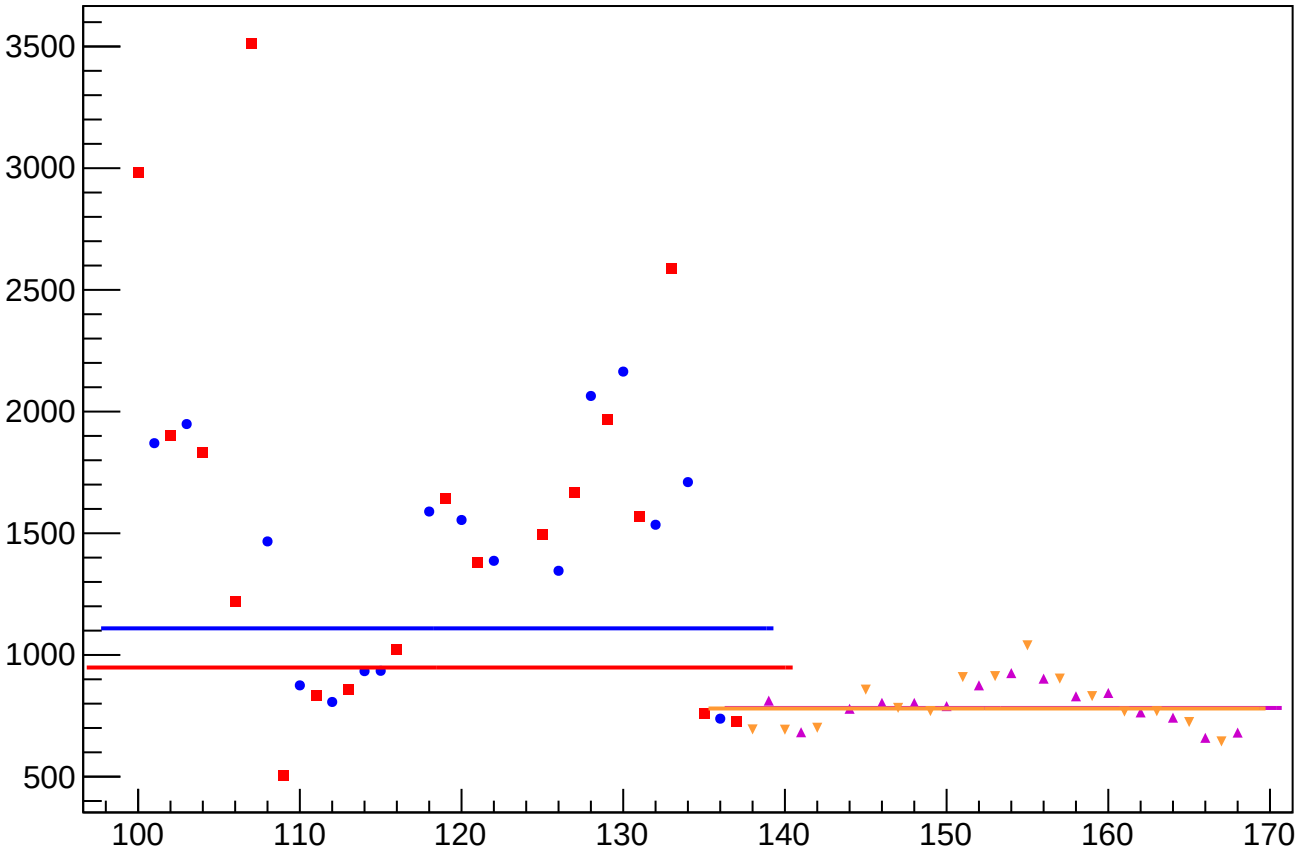
Left In: 1792.580+/-0.360 χ^2/NDF:6221.8/14

+ sign 1808.072+/-0.294 χ^2/NDF: 303784.2/30

All: 1808.586+/-0.206 χ^2/NDF: 444249.4/63

- sign 1809.085+/-0.290 χ^2/NDF: 140459.2/32


asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: -663.476+/-445.904 χ²/NDF: 22.8/15
Left Out: -1224.590+/-229.239 χ²/NDF:40.1/14
Right Out: -812.194+/-397.187 χ²/NDF: 12.2/17
Left In: -138.445+/-223.535 χ²/NDF:11.1/14
+ sign -1107.290+/-203.875 χ²/NDF: 64.1/30
All: -685.553+/-140.845 χ²/NDF: 97.8/63
- sign -300.513+/-194.803 χ²/NDF: 25.6/32



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 780.078+/-0.162 χ^2/NDF:362013.8/14

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

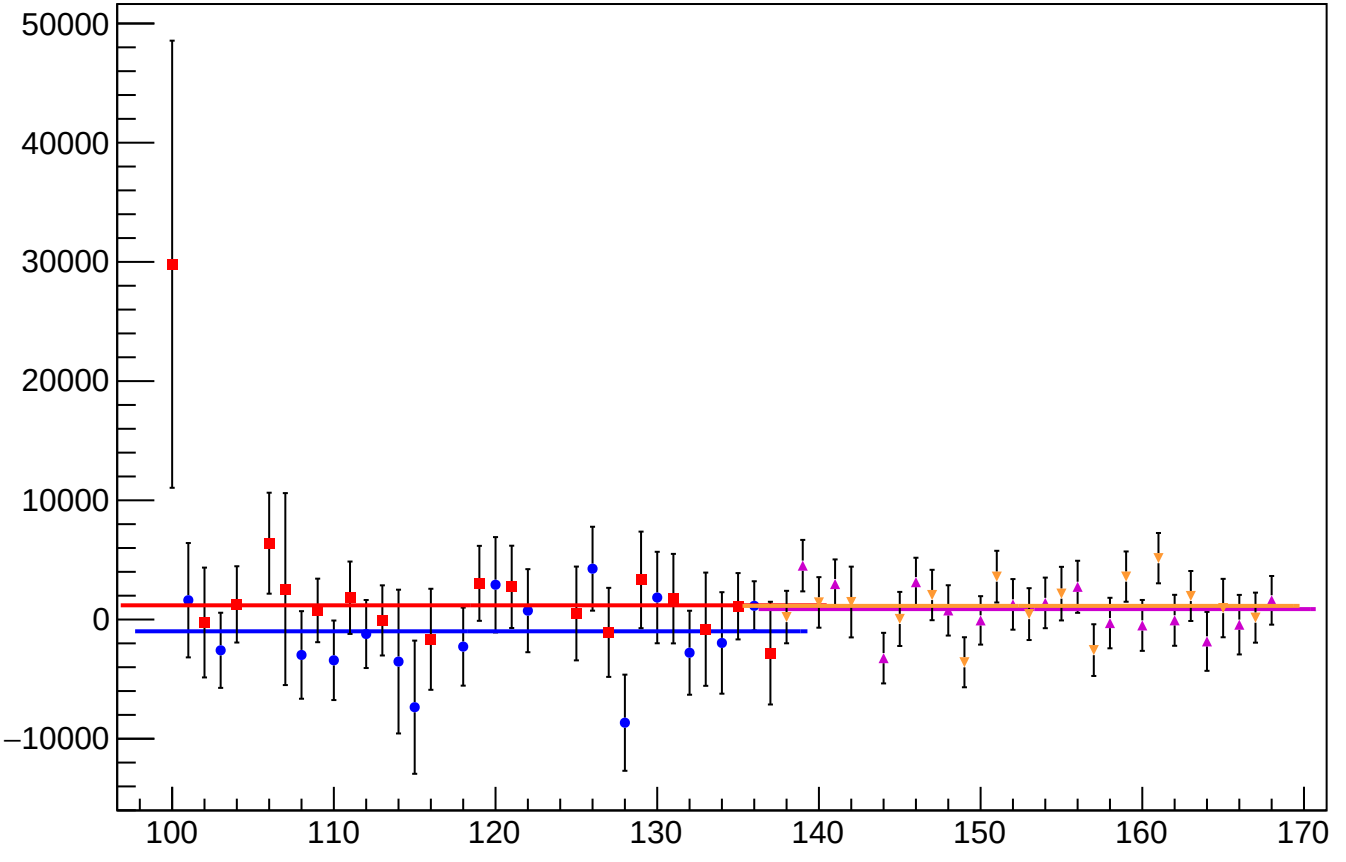
Left In: 782.265+/-0.158 χ^2/NDF:229978.4/14

+ sign 848.914+/-0.144 χ^2/NDF: 3198011.9/30

All: 834.970+/-0.100 χ^2/NDF: 6765407.6/63

- sign 822.238+/-0.138 χ^2/NDF: 3549496.0/32

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 1144.703+/-568.636 χ^2/NDF:15.6/14

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

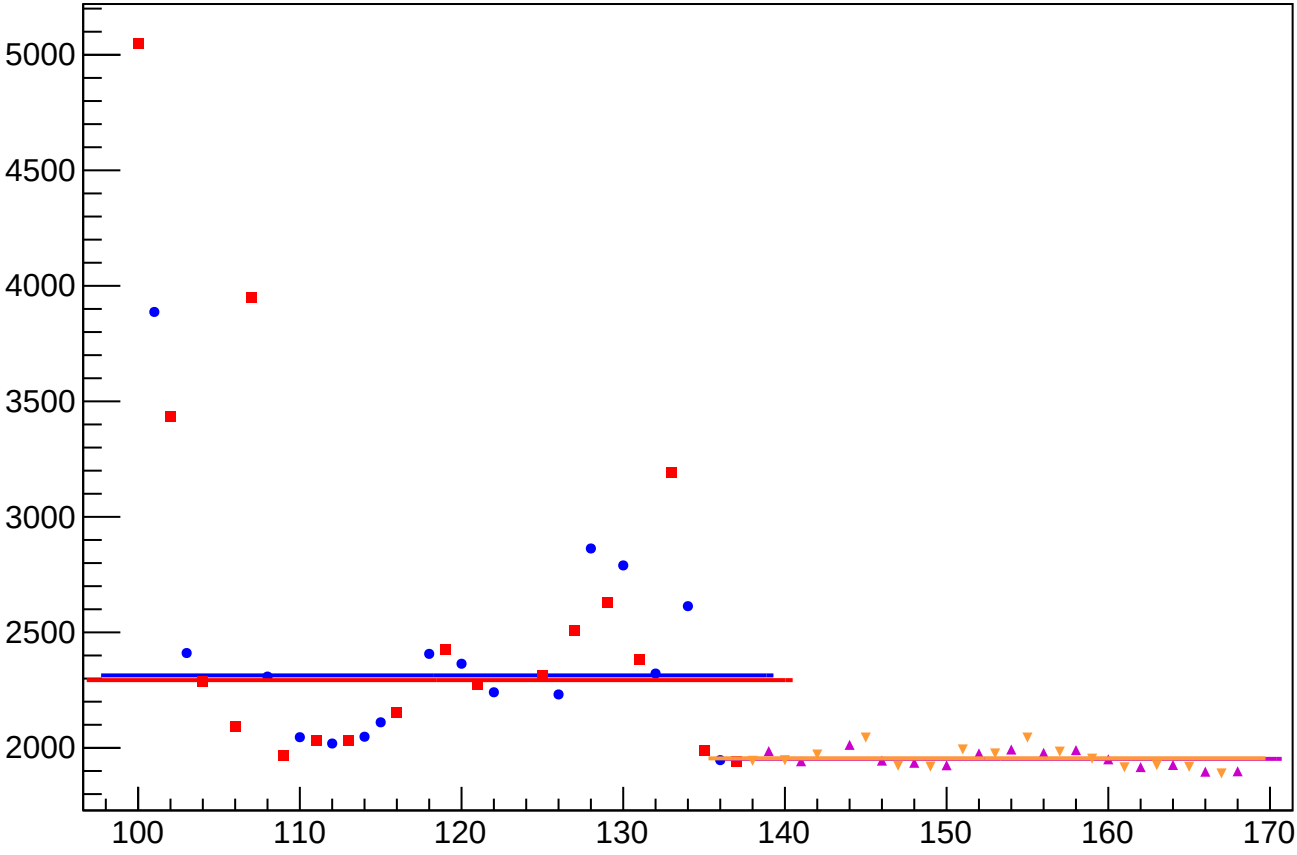
Left In: 874.784+/-554.302 χ^2/NDF:12.4/14

+ sign 510.399+/-476.610 χ^2/NDF: 31.7/30

All: 742.755+/-333.764 χ^2/NDF: 51.7/63

- sign 966.359+/-467.548 χ^2/NDF: 19.5/32

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1954.670+/-0.402 χ^2/NDF:12170.8/14

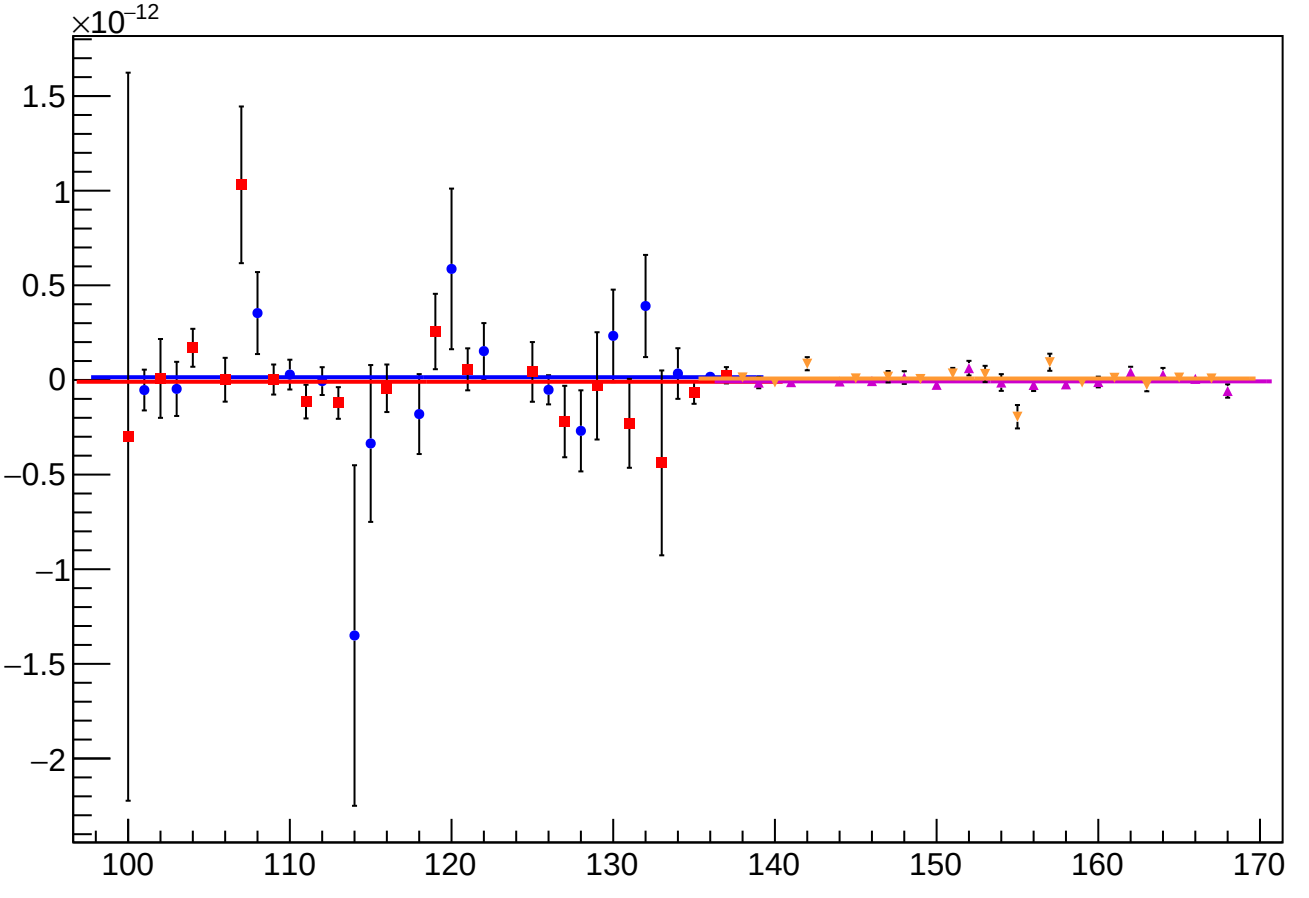
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1952.500+/-0.392 χ^2/NDF:7738.2/14

+ sign 2061.488+/-0.337 χ^2/NDF: 652166.0/30

All: 2056.053+/-0.236 χ^2/NDF: 1331717.5/63

- sign 2050.823+/-0.331 χ^2/NDF: 679041.2/32



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.0/14

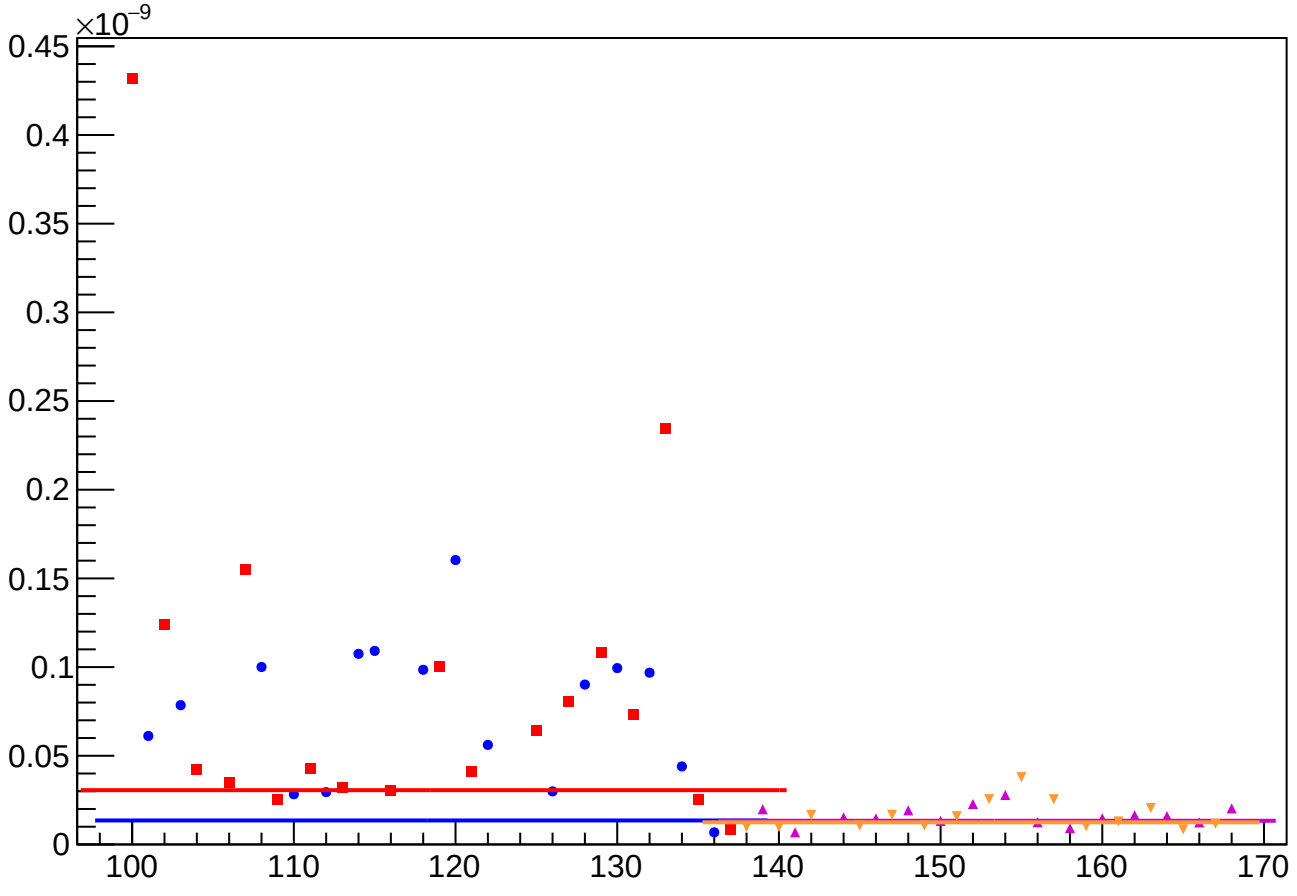
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:11.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 39.1/30

All: 0.000+/-0.000 χ^2/NDF: 73.3/63

- sign -0.000+/-0.000 χ^2/NDF: 30.6/32



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1112226.8/14

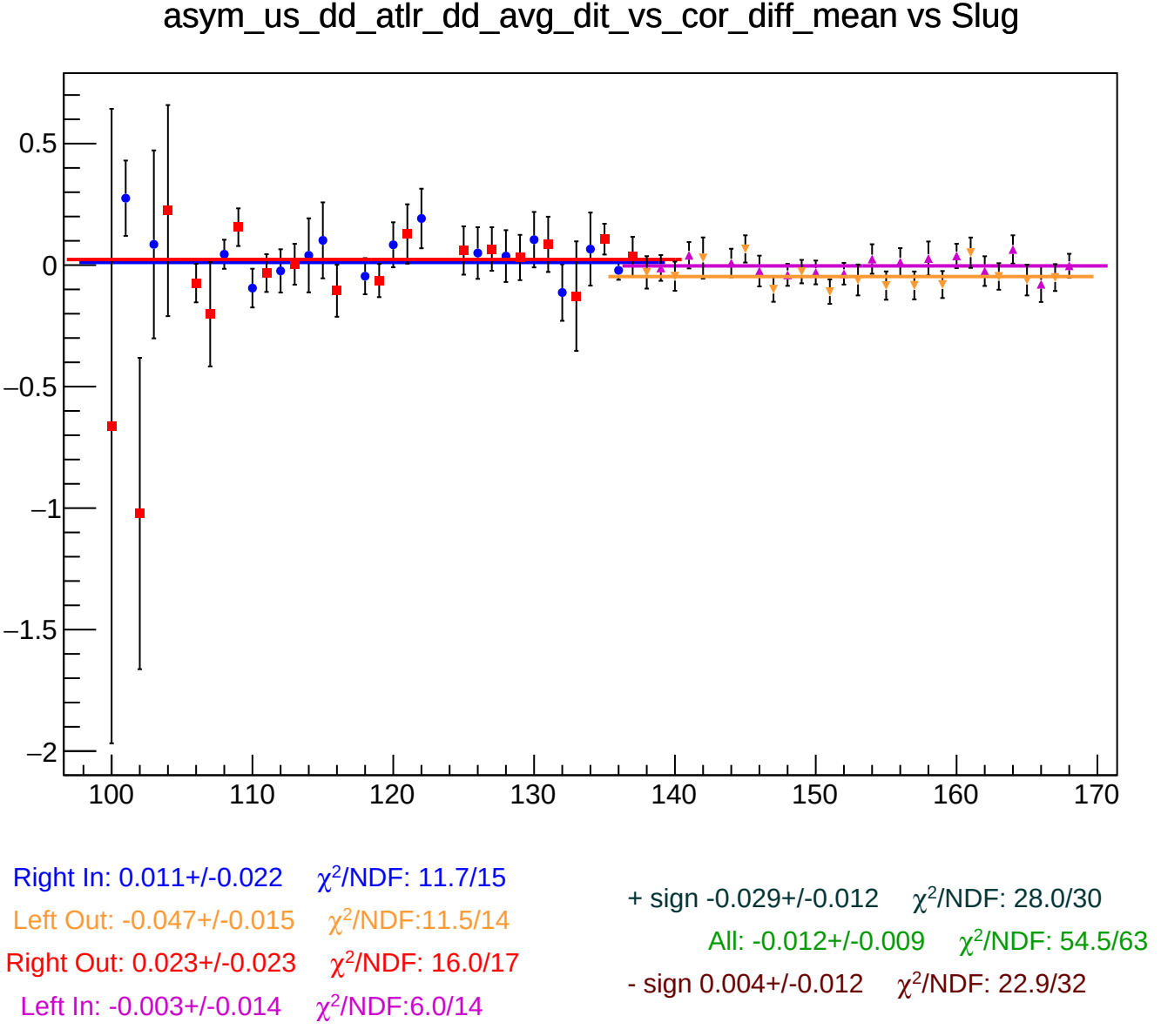
Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

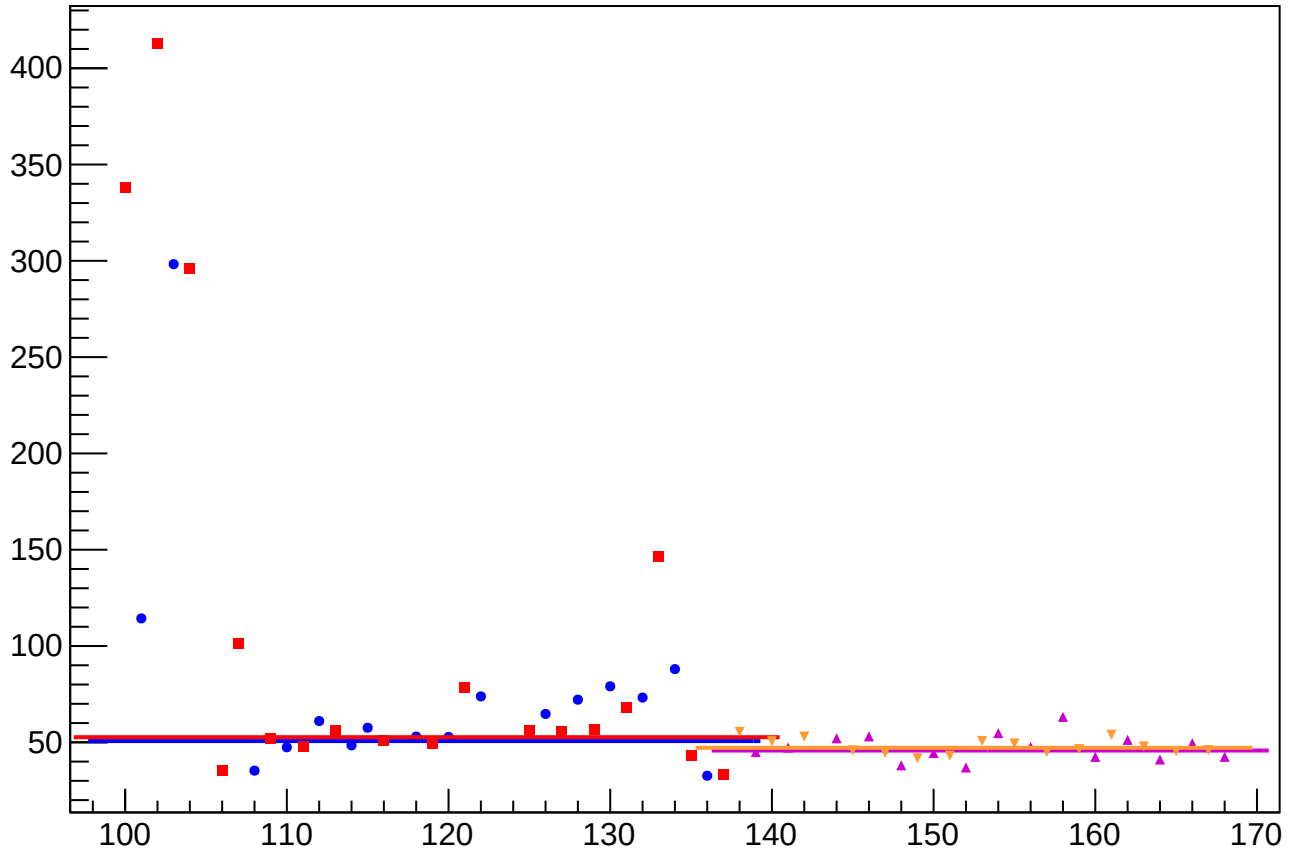
Left In: 0.000+/-0.000 χ^2/NDF:1130693.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 4537467.8/30

All: 0.000+/-0.000 χ^2/NDF: 9066900.3/63

- sign 0.000+/-0.000 χ^2/NDF: 4431875.0/32


asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
Right In: 0.011+/-0.022 χ²/NDF: 11.7/15
Left Out: -0.047+/-0.015 χ²/NDF:11.5/14
Right Out: 0.023+/-0.023 χ²/NDF: 16.0/17
Left In: -0.003+/-0.014 χ²/NDF:6.0/14
+ sign -0.029+/-0.012 χ²/NDF: 28.0/30
All: -0.012+/-0.009 χ²/NDF: 54.5/63
- sign 0.004+/-0.012 χ²/NDF: 22.9/32



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.157+/-0.011 χ^2/NDF:130832.3/14

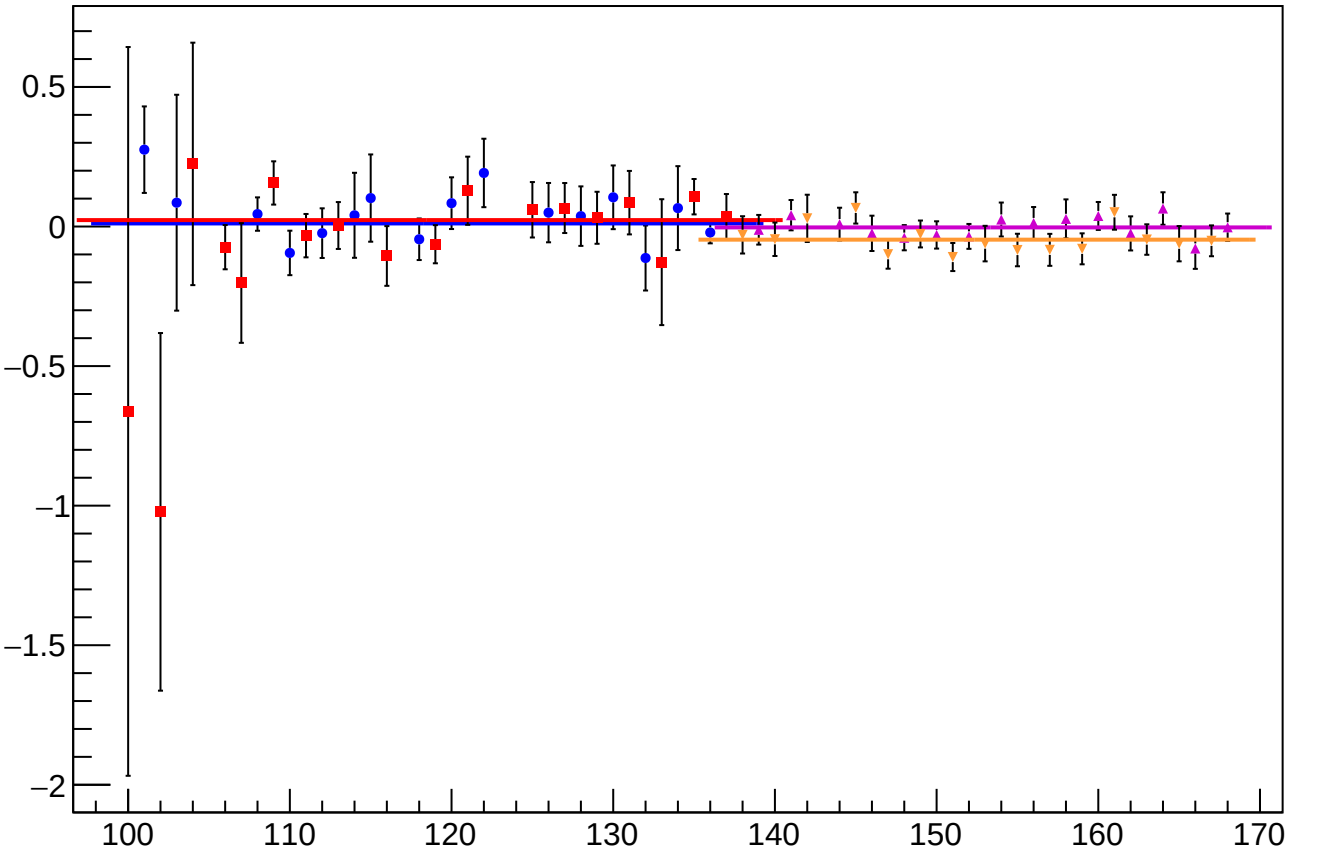
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.741+/-0.010 χ^2/NDF:413131.5/14

\+ sign 48.263+/-0.009 χ^2/NDF: 2432022.4/30

All: 47.940+/-0.006 χ^2/NDF: 5190345.4/63

\- sign 47.630+/-0.009 χ^2/NDF: 2755632.6/32



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.015 χ^2/NDF:11.5/14

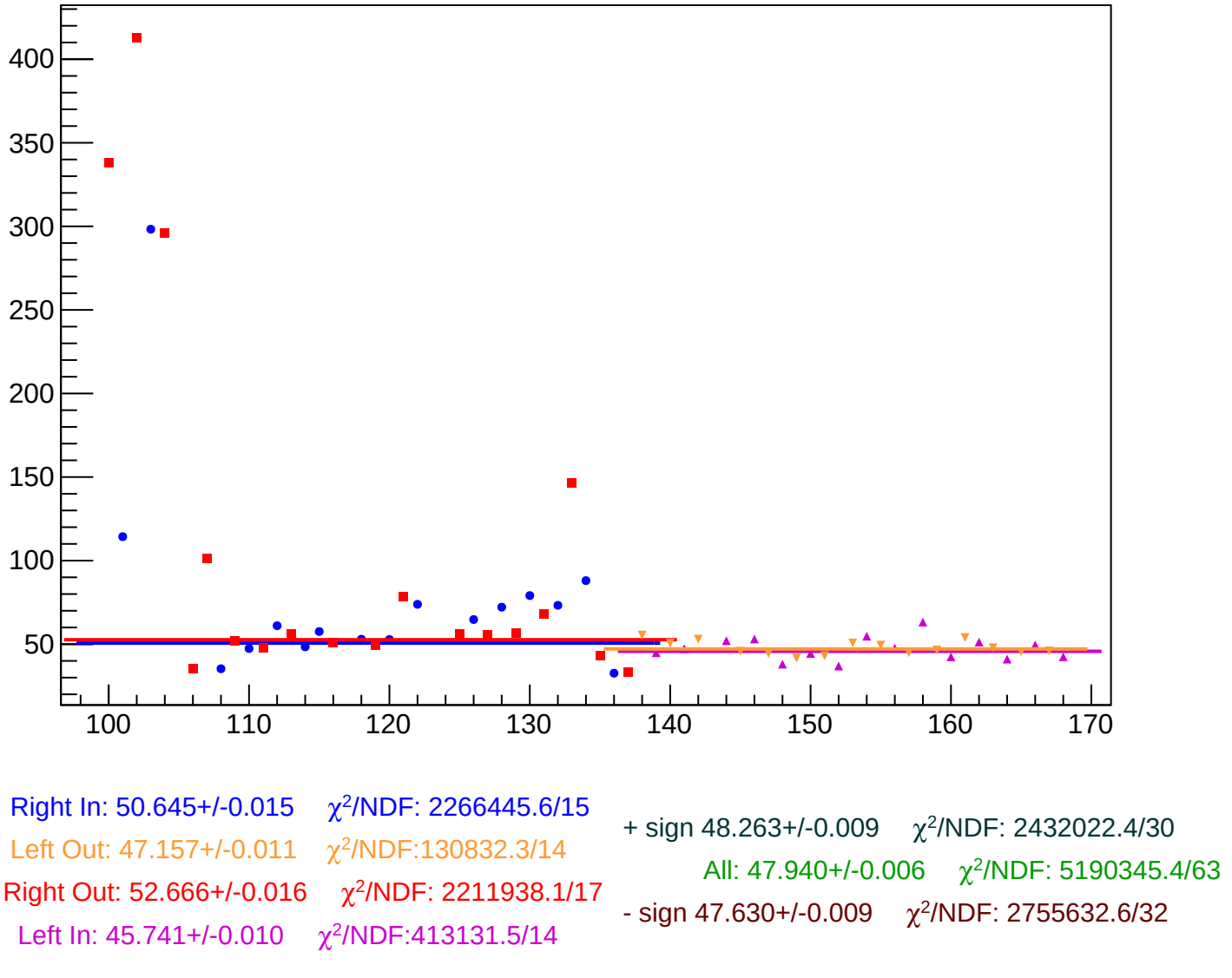
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.003+/-0.014 χ^2/NDF:6.0/14

+ sign -0.029+/-0.012 χ^2/NDF: 28.0/30

All: -0.012+/-0.009 χ^2/NDF: 54.5/63

- sign 0.004+/-0.012 χ^2/NDF: 22.9/32


asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug
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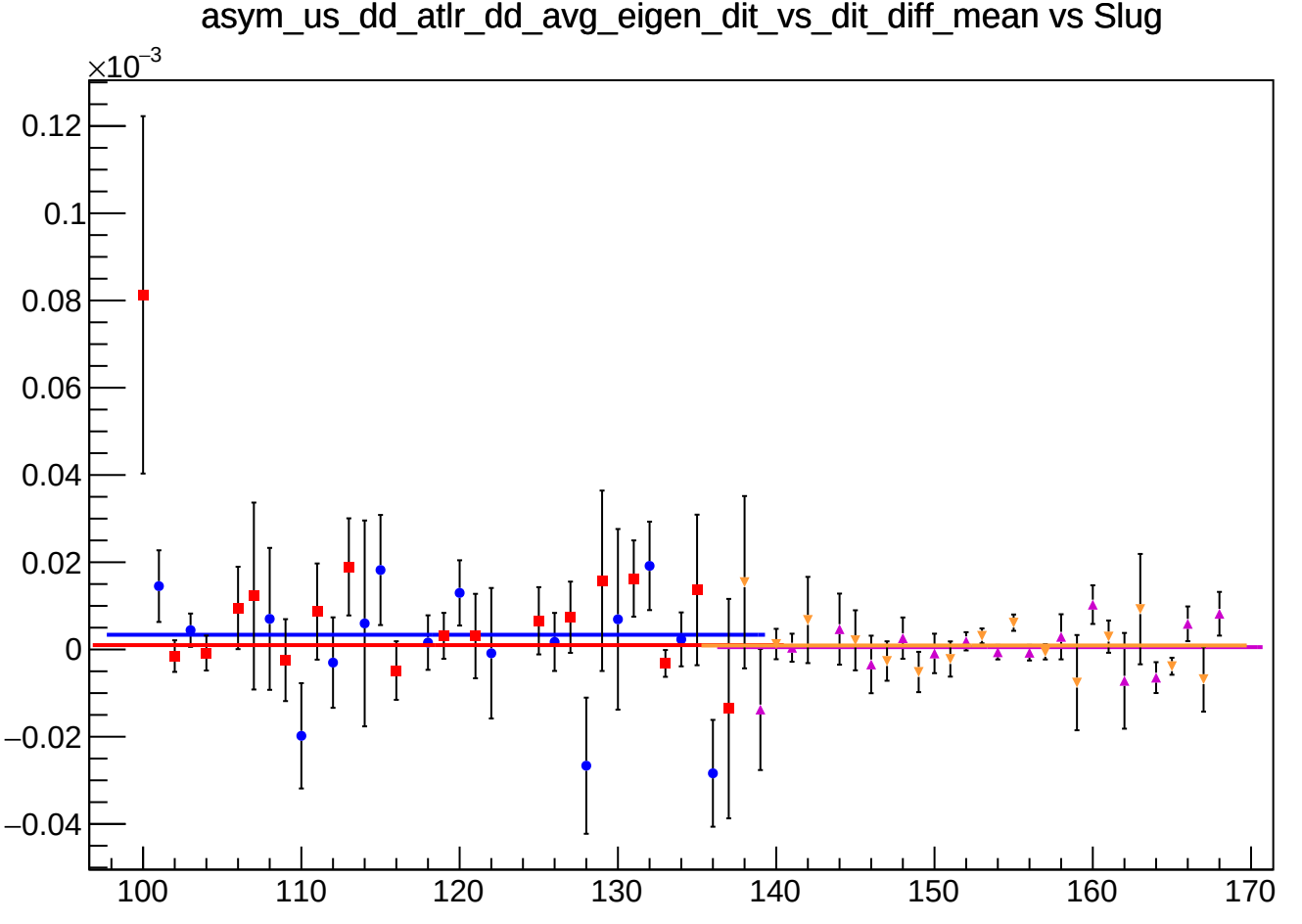
170
Right In: 50.645+/-0.015 χ²/NDF: 2266445.6/15
Left Out: 47.157+/-0.011 χ²/NDF:130832.3/14
Right Out: 52.666+/-0.016 χ²/NDF: 2211938.1/17
Left In: 45.741+/-0.010 χ²/NDF:413131.5/14
+ sign 48.263+/-0.009 χ²/NDF: 2432022.4/30
All: 47.940+/-0.006 χ²/NDF: 5190345.4/63
- sign 47.630+/-0.009 χ²/NDF: 2755632.6/32



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/14

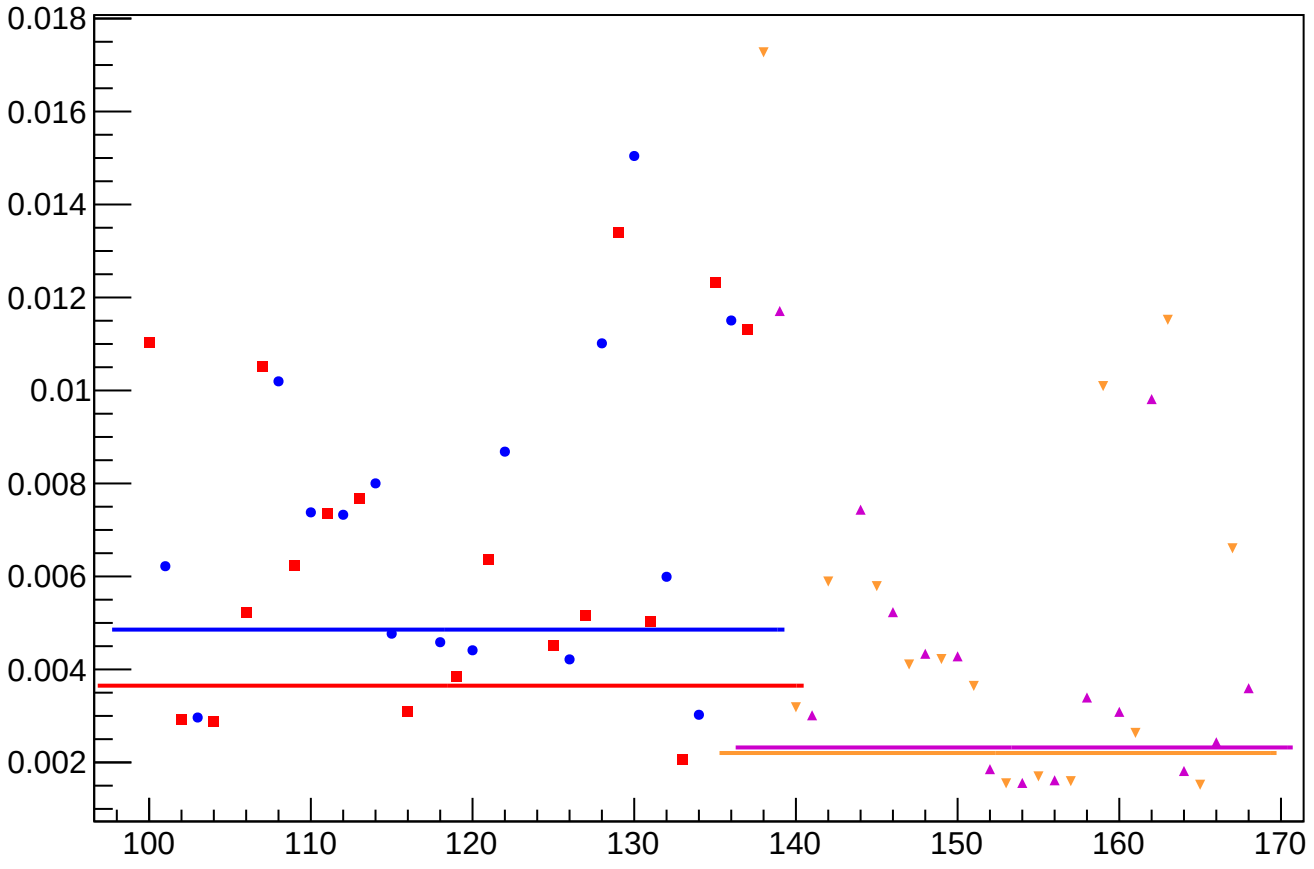
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:17.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 45.8/30

All: 0.000+/-0.000 χ^2/NDF: 80.4/63

- sign 0.000+/-0.000 χ^2/NDF: 34.3/32



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:6920418.2/14

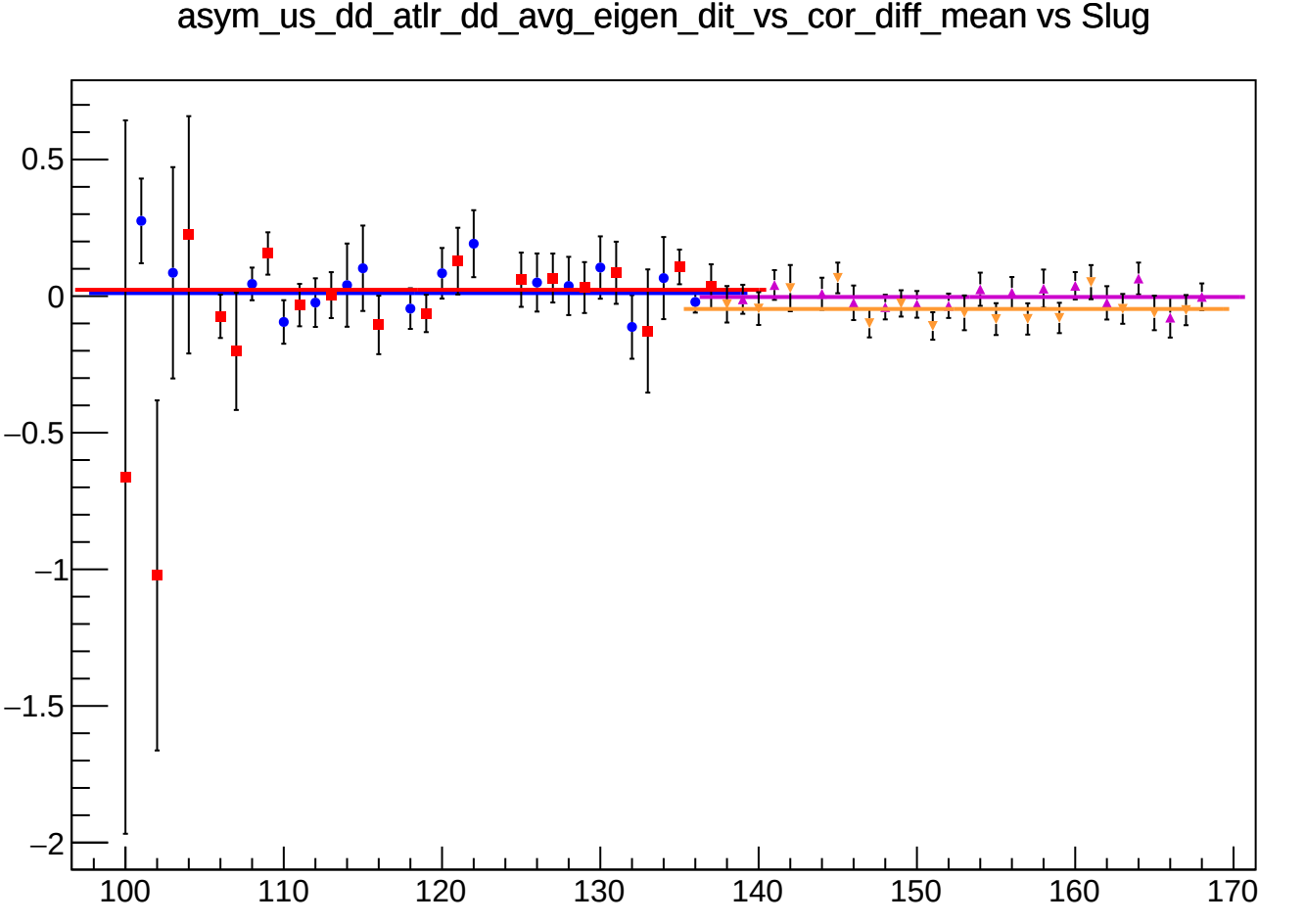
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:5006824.9/14

+ sign 0.003+/-0.000 χ^2/NDF: 12511208.7/30

All: 0.003+/-0.000 χ^2/NDF: 21756422.9/63

- sign 0.003+/-0.000 χ^2/NDF: 9233297.7/32



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.015 χ^2/NDF:11.5/14

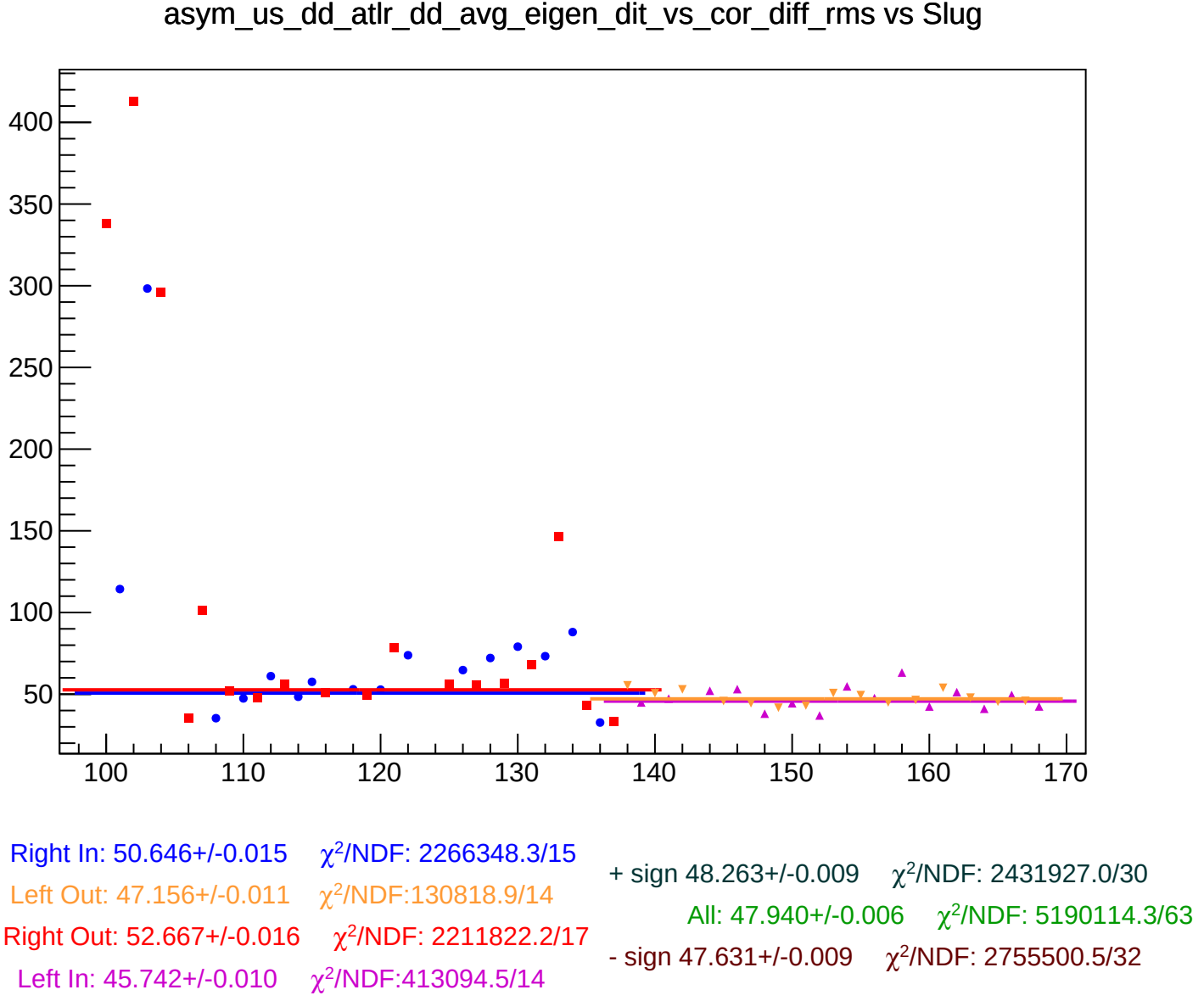
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

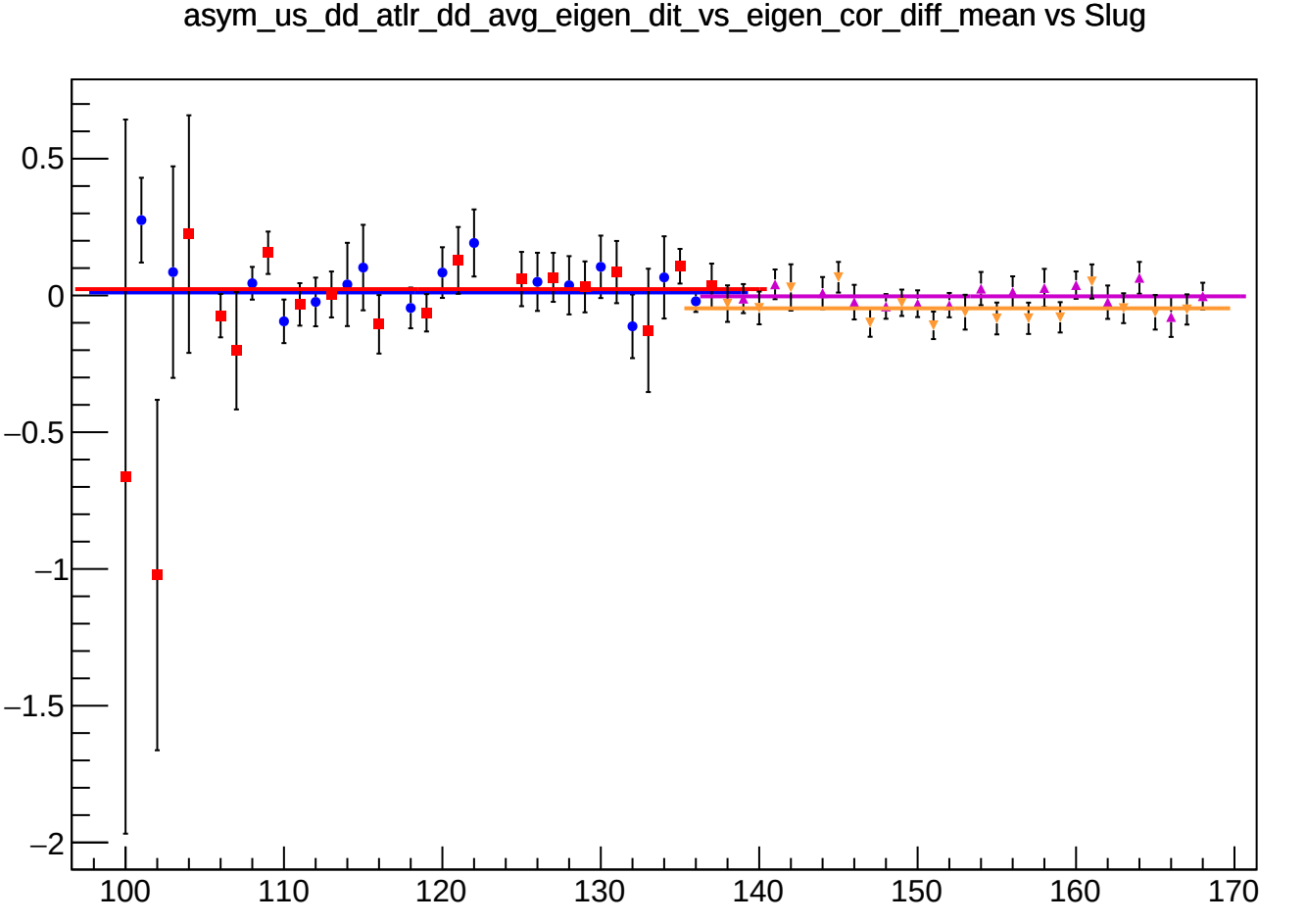
Left In: -0.003+/-0.014 χ^2/NDF:6.0/14

+ sign -0.029+/-0.012 χ^2/NDF: 28.0/30

All: -0.012+/-0.009 χ^2/NDF: 54.5/63

- sign 0.004+/-0.012 χ^2/NDF: 22.9/32


asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
400
350
300
250
200
150
100
50
100
110
120
130
140
150
160
170
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 47.156+/-0.011 χ²/NDF:130818.9/14
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 45.742+/-0.010 χ²/NDF:413094.5/14
+ sign 48.263+/-0.009 χ²/NDF: 2431927.0/30
All: 47.940+/-0.006 χ²/NDF: 5190114.3/63
- sign 47.631+/-0.009 χ²/NDF: 2755500.5/32



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.015 χ^2/NDF:11.5/14

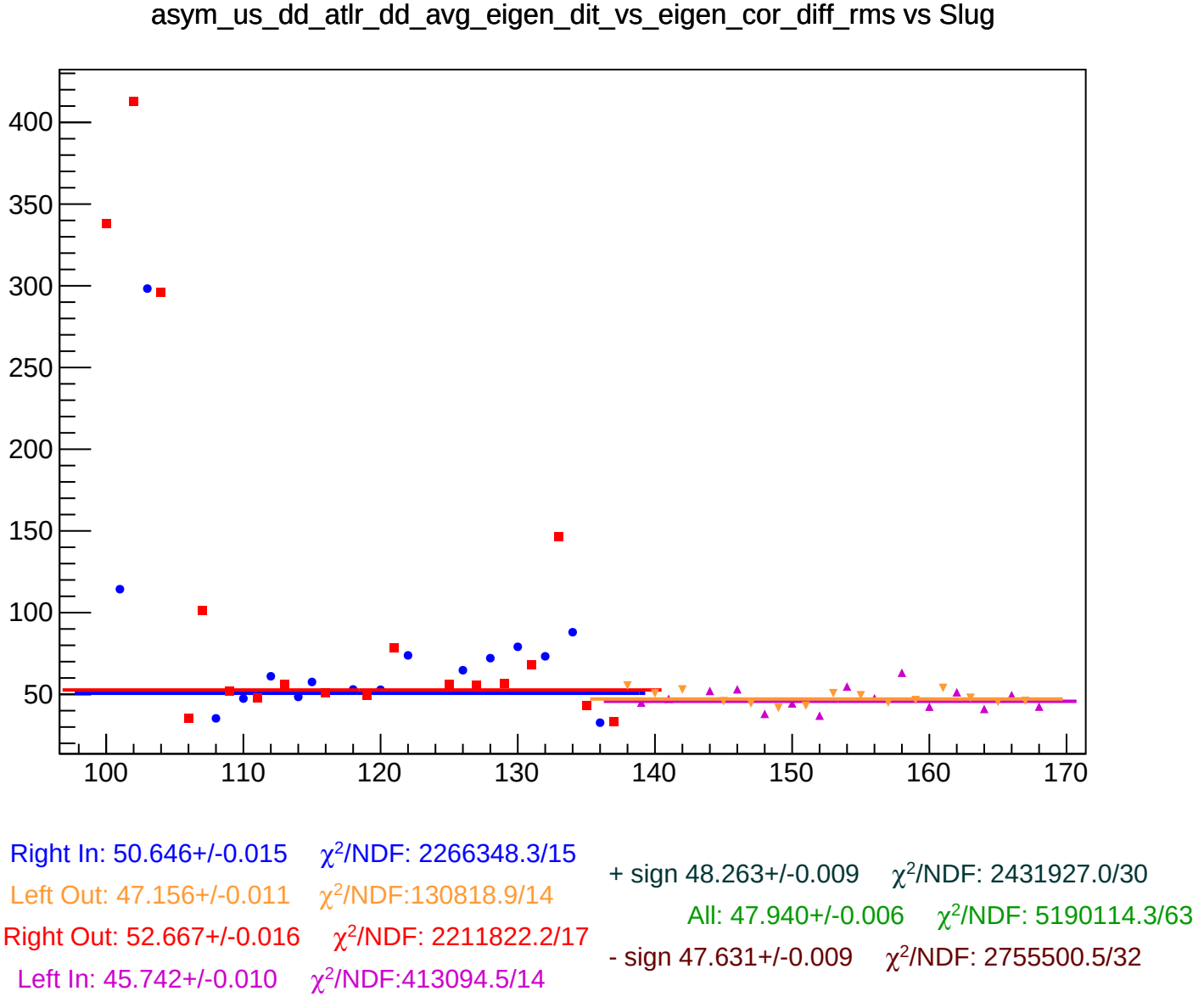
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

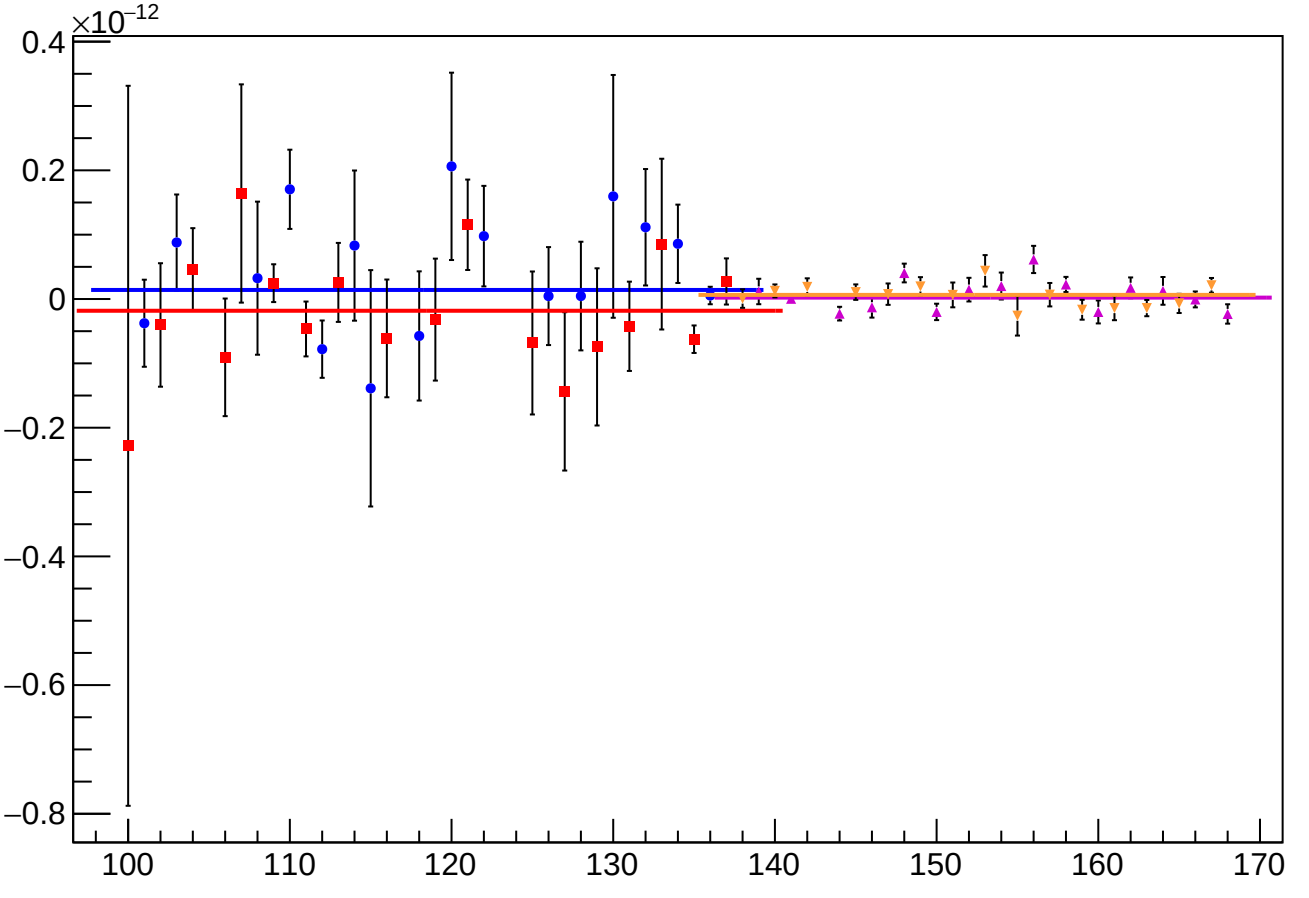
Left In: -0.003+/-0.014 χ^2/NDF:6.0/14

+ sign -0.029+/-0.012 χ^2/NDF: 28.0/30

All: -0.012+/-0.009 χ^2/NDF: 54.5/63

- sign 0.004+/-0.012 χ^2/NDF: 22.9/32


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
400
350
300
250
200
150
100
50
100
110
120
130
140
150
160
170
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 47.156+/-0.011 χ²/NDF:130818.9/14
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 45.742+/-0.010 χ²/NDF:413094.5/14
+ sign 48.263+/-0.009 χ²/NDF: 2431927.0/30
All: 47.940+/-0.006 χ²/NDF: 5190114.3/63
- sign 47.631+/-0.009 χ²/NDF: 2755500.5/32



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/14

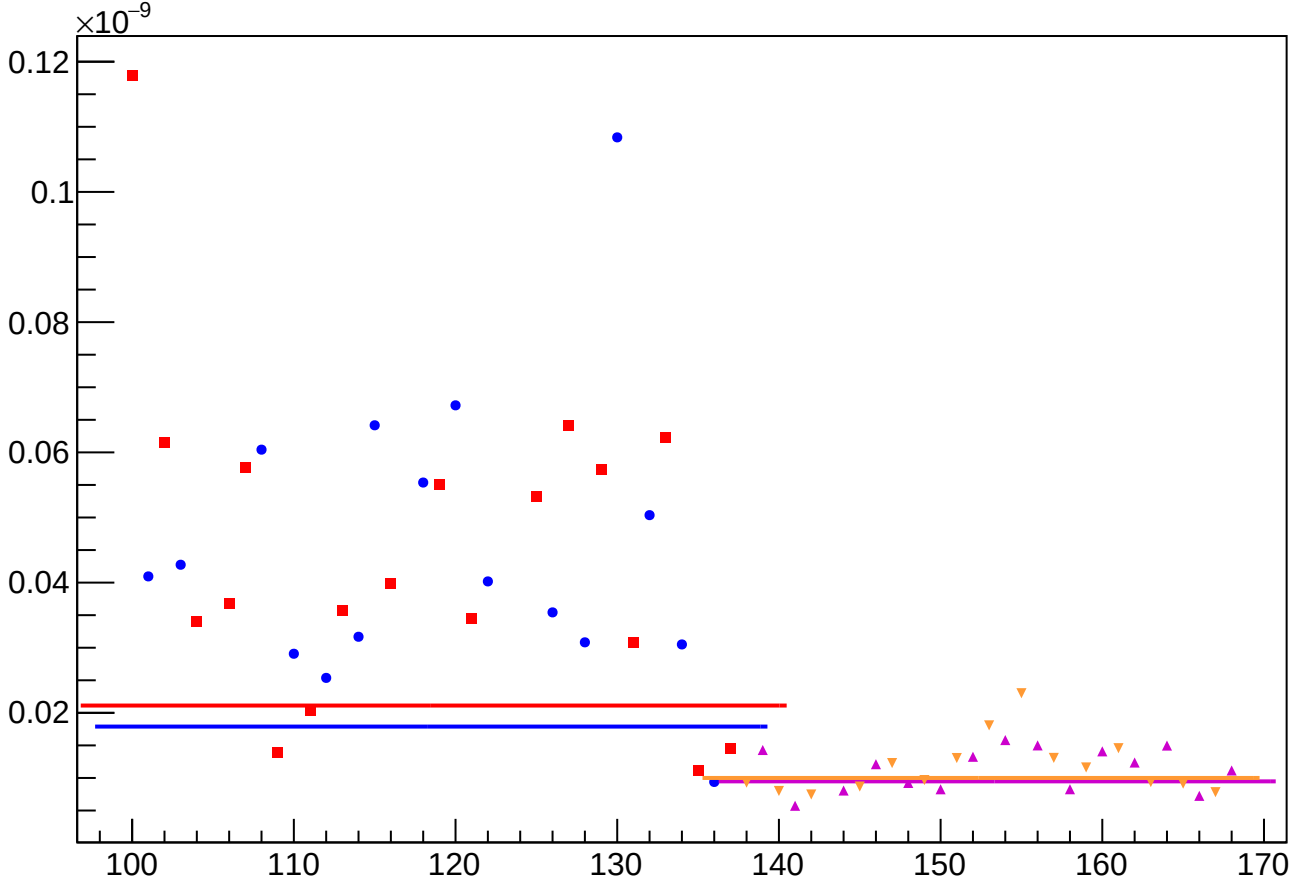
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:34.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/30

All: 0.000+/-0.000 χ^2/NDF: 91.5/63

- sign 0.000+/-0.000 χ^2/NDF: 54.7/32



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1124491.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

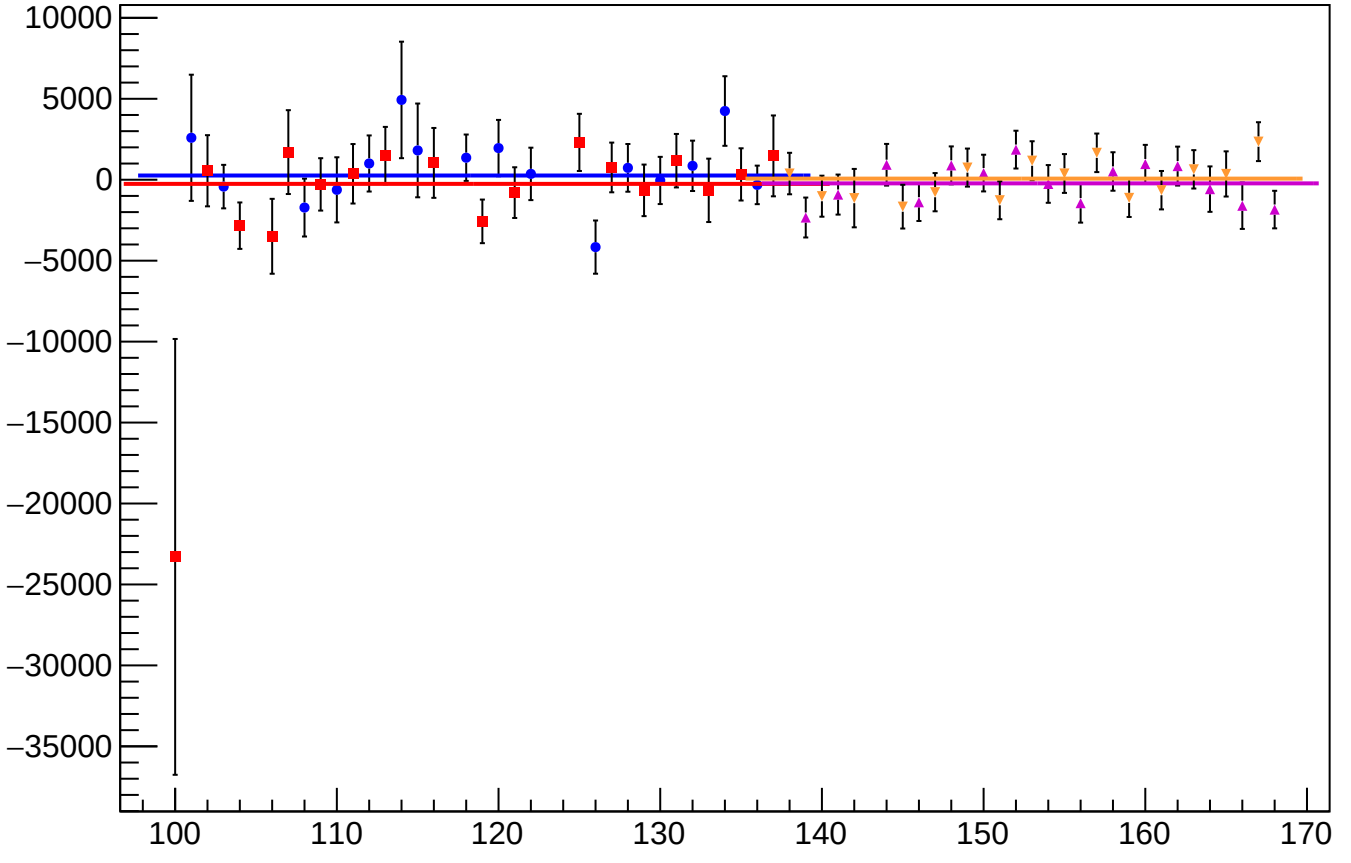
Left In: 0.000+/-0.000 χ^2/NDF:1525371.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 5396257.5/30

All: 0.000+/-0.000 χ^2/NDF: 11152562.6/63

- sign 0.000+/-0.000 χ^2/NDF: 5741266.1/32

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 68.880+/-321.090 χ^2/NDF:13.0/14

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

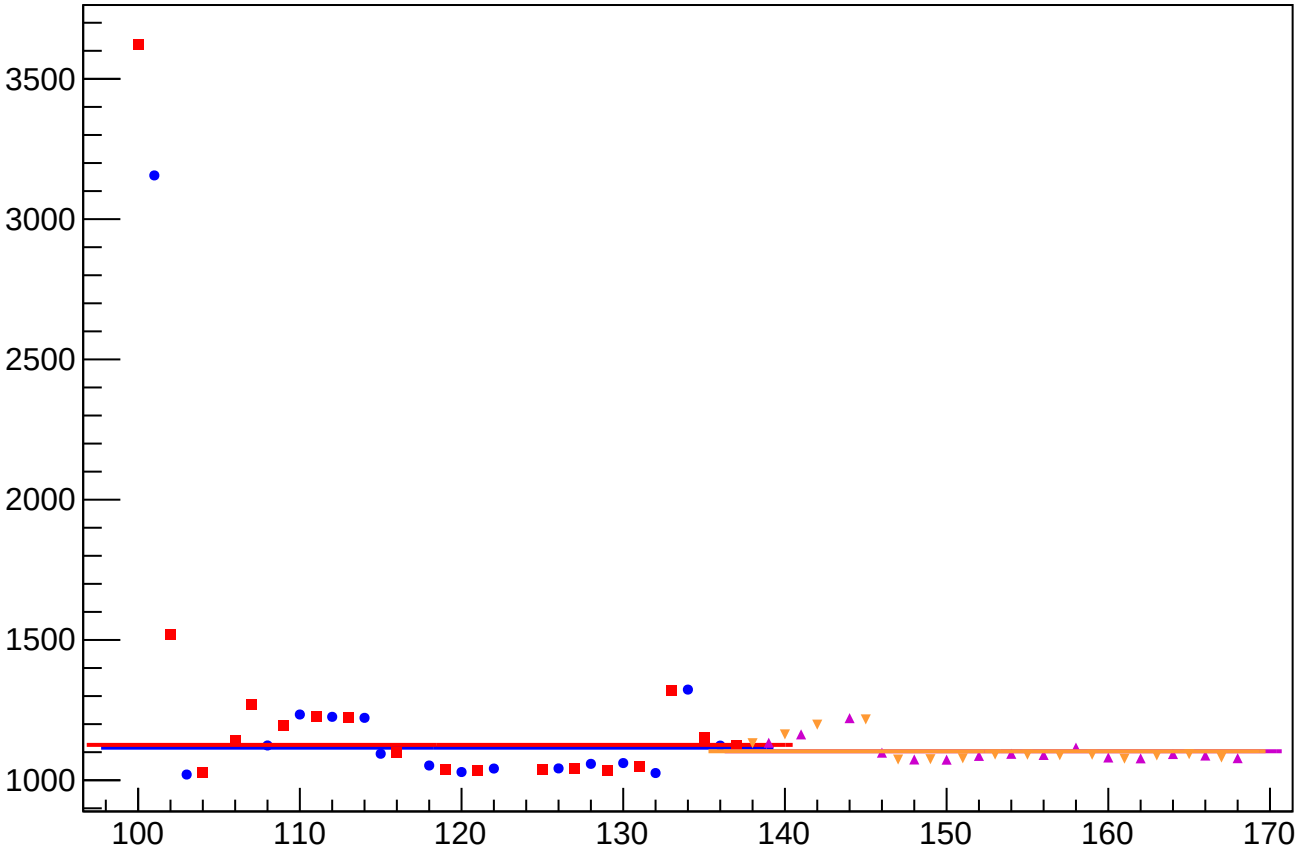
Left In: -224.483+/-313.354 χ^2/NDF:15.6/14

+ sign 138.690+/-256.118 χ^2/NDF: 30.1/30

All: -51.176+/-179.765 χ^2/NDF: 64.2/63

- sign -235.533+/-252.375 χ^2/NDF: 33.0/32

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1103.280+/-0.227 χ^2/NDF:31487.4/14

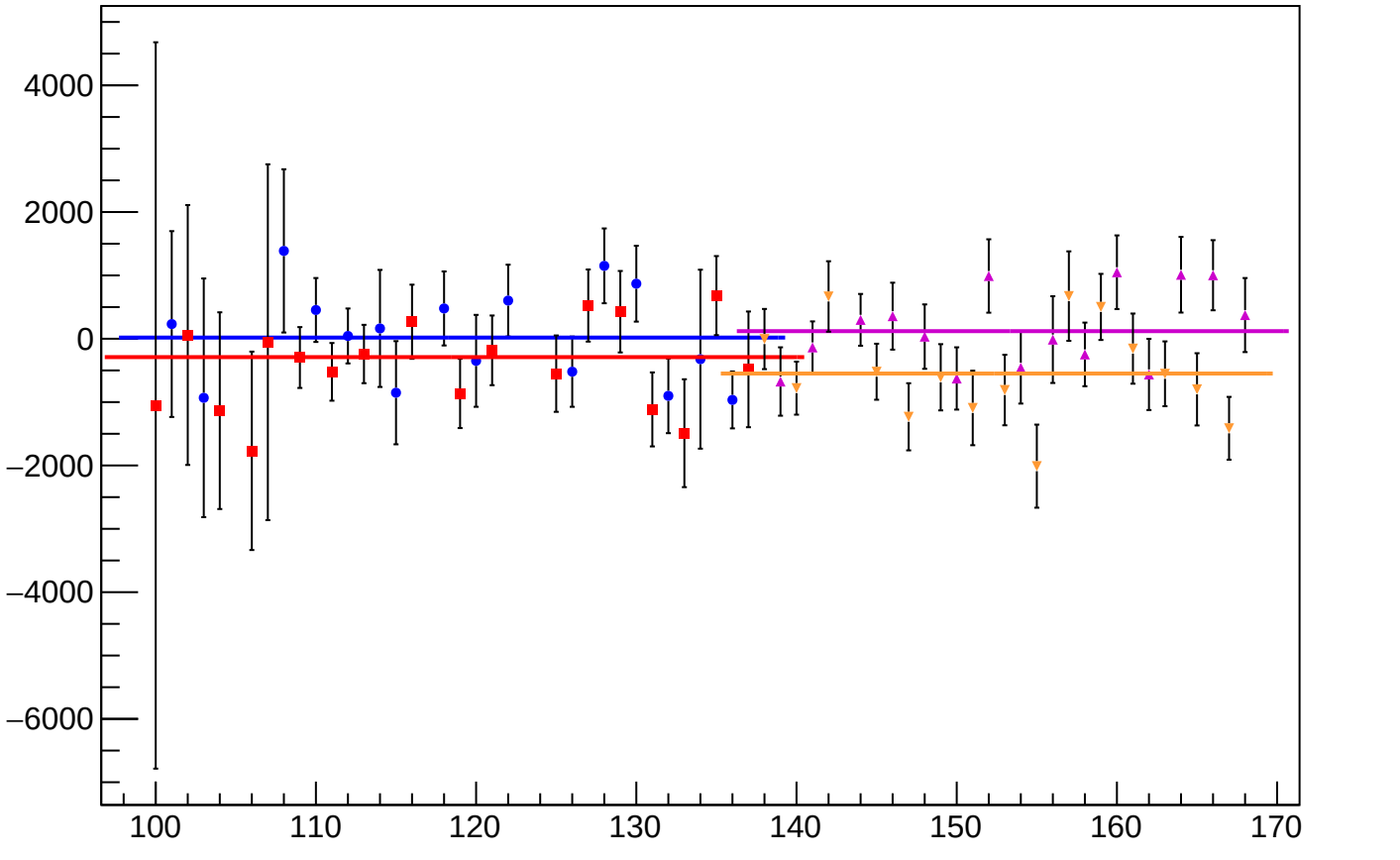
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1103.308+/-0.222 χ^2/NDF:29250.2/14

+ sign 1107.940+/-0.181 χ^2/NDF: 656036.0/30

All: 1109.637+/-0.127 χ^2/NDF: 911255.4/63

- sign 1111.286+/-0.178 χ^2/NDF: 255046.2/32



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -548.951+/-135.991 χ^2/NDF:24.9/14

Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

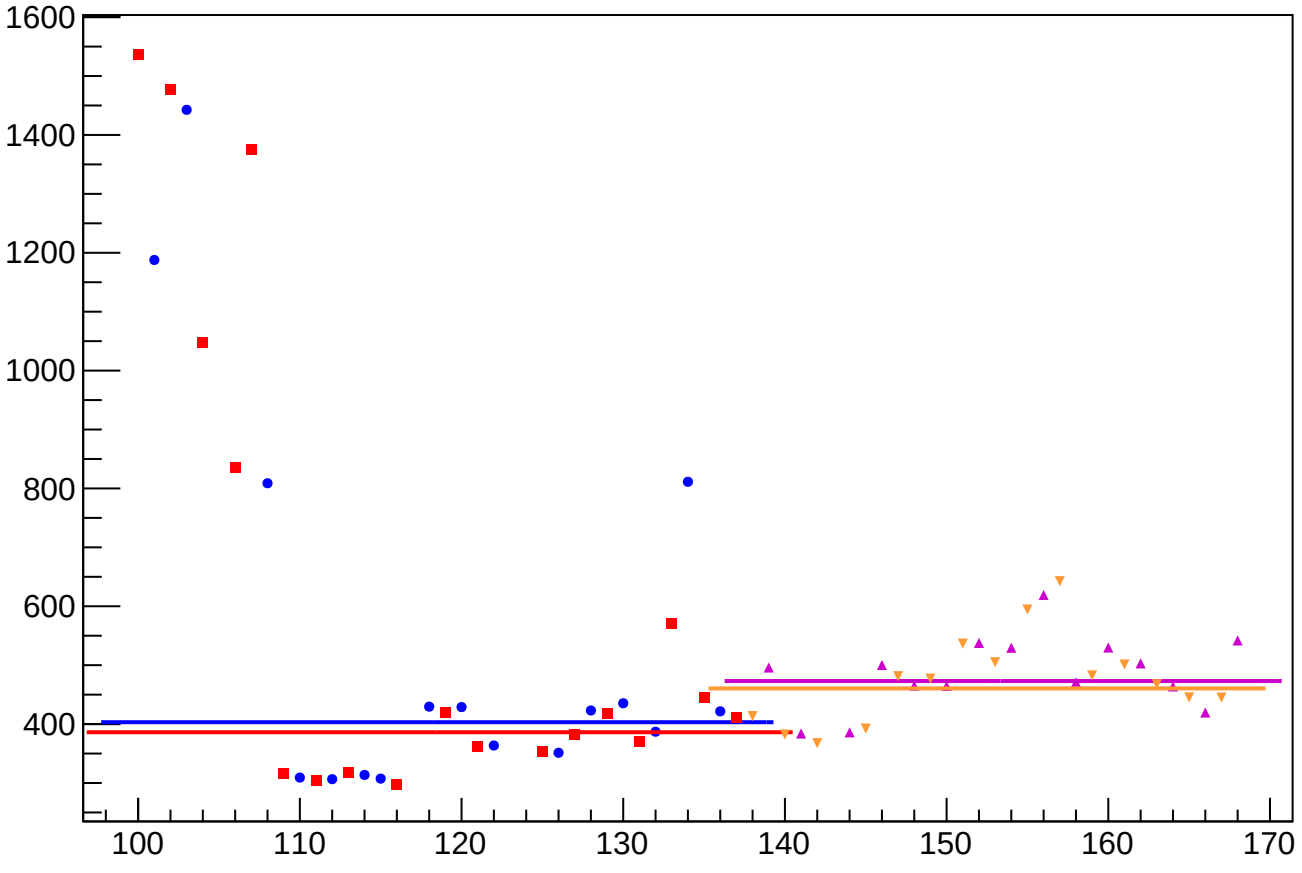
Left In: 119.844+/-135.726 χ^2/NDF:18.2/14

\+ sign -313.092+/-103.954 χ^2/NDF: 51.3/30

All: -182.908+/-72.968 χ^2/NDF: 90.0/63

\- sign -56.466+/-102.449 χ^2/NDF: 35.6/32

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 460.547+/-0.096 χ^2/NDF:478523.8/14

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

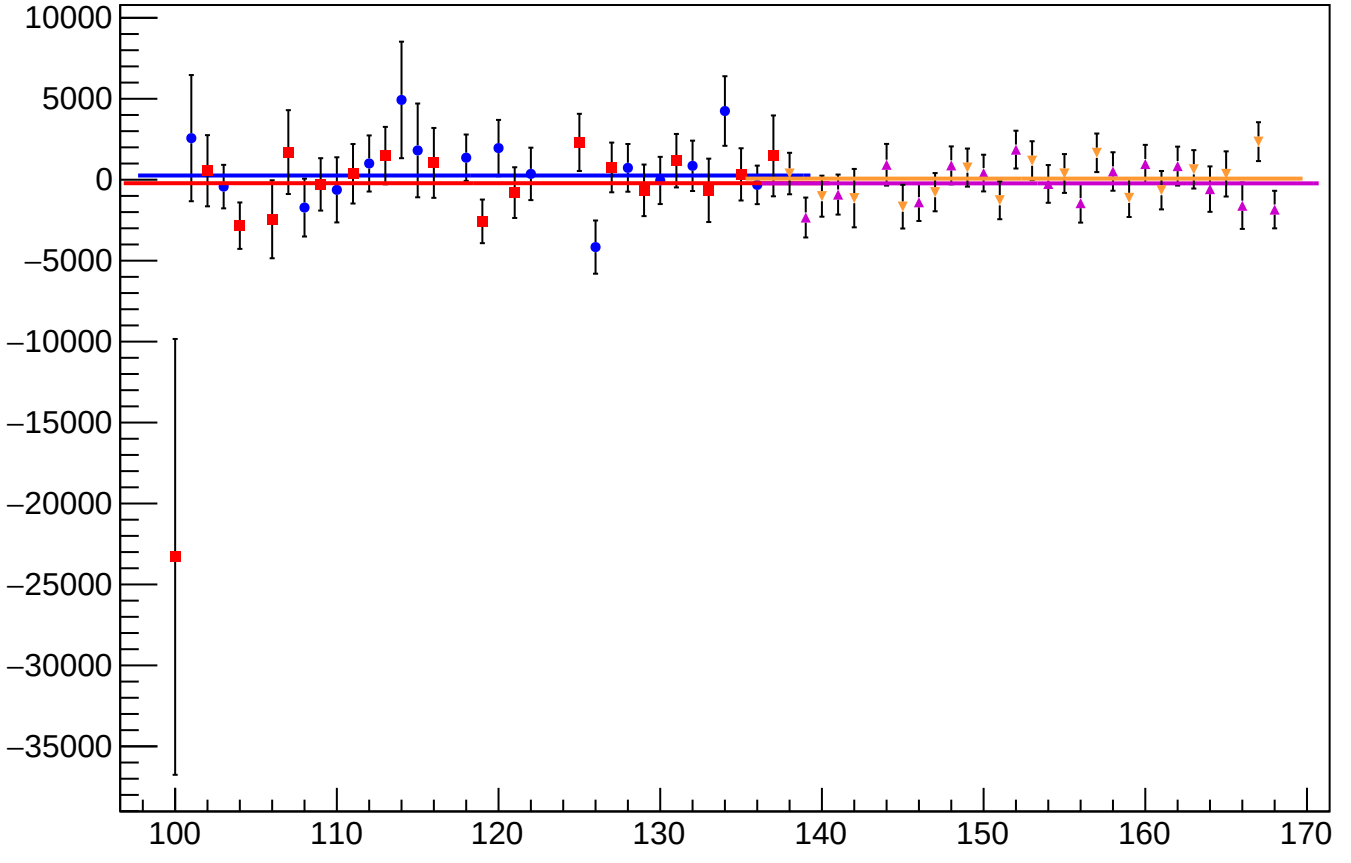
Left In: 473.093+/-0.096 χ^2/NDF:402718.5/14

+ sign 436.707+/-0.074 χ^2/NDF: 2434821.2/30

All: 436.188+/-0.052 χ^2/NDF: 4949871.7/63

- sign 435.684+/-0.072 χ^2/NDF: 2514952.3/32

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 68.863+/-321.090 χ^2/NDF:13.0/14

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

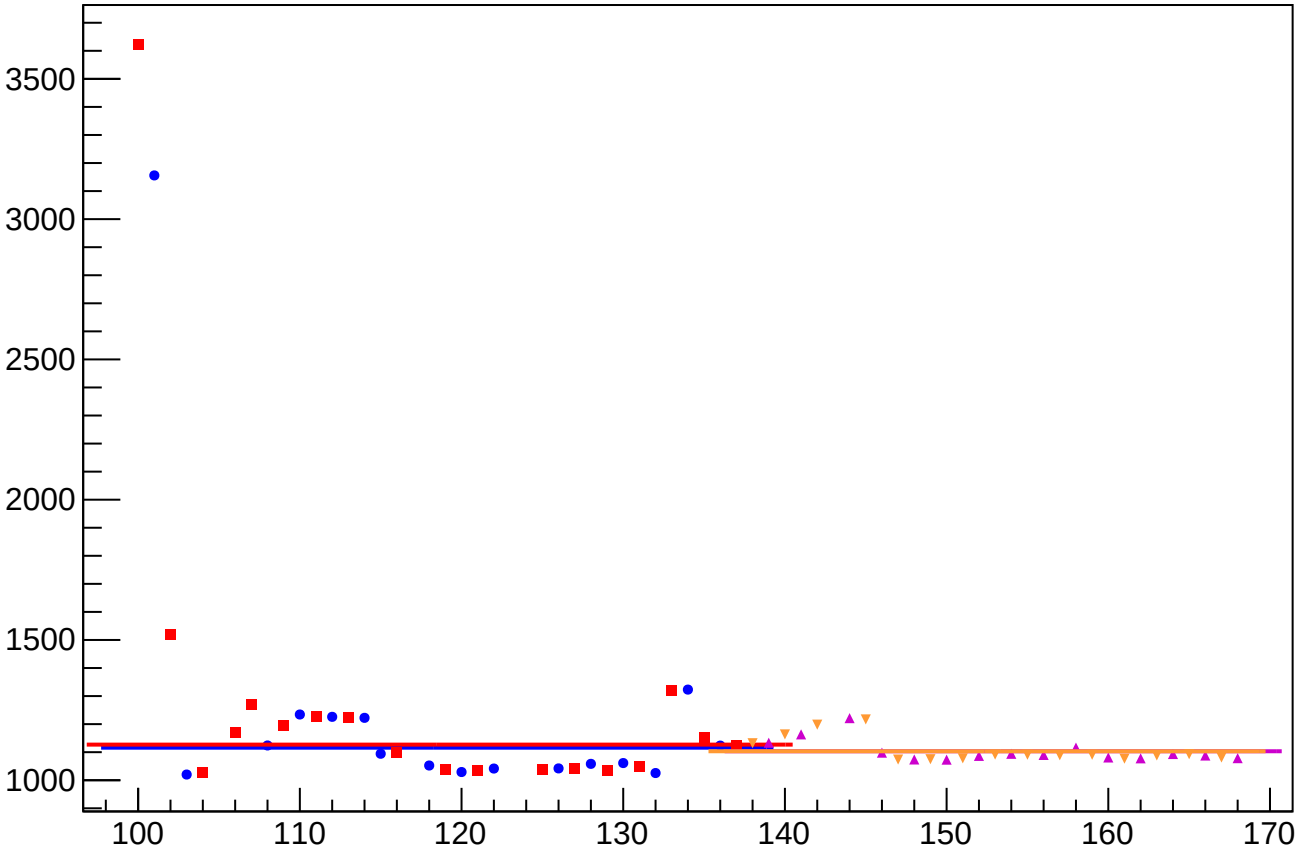
Left In: -224.505+/-313.354 χ^2/NDF:15.6/14

+ sign 138.540+/-256.118 χ^2/NDF: 30.1/30

All: -43.792+/-179.807 χ^2/NDF: 62.9/63

- sign -220.996+/-252.491 χ^2/NDF: 31.9/32

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1103.280+/-0.227 χ^2/NDF:31487.4/14

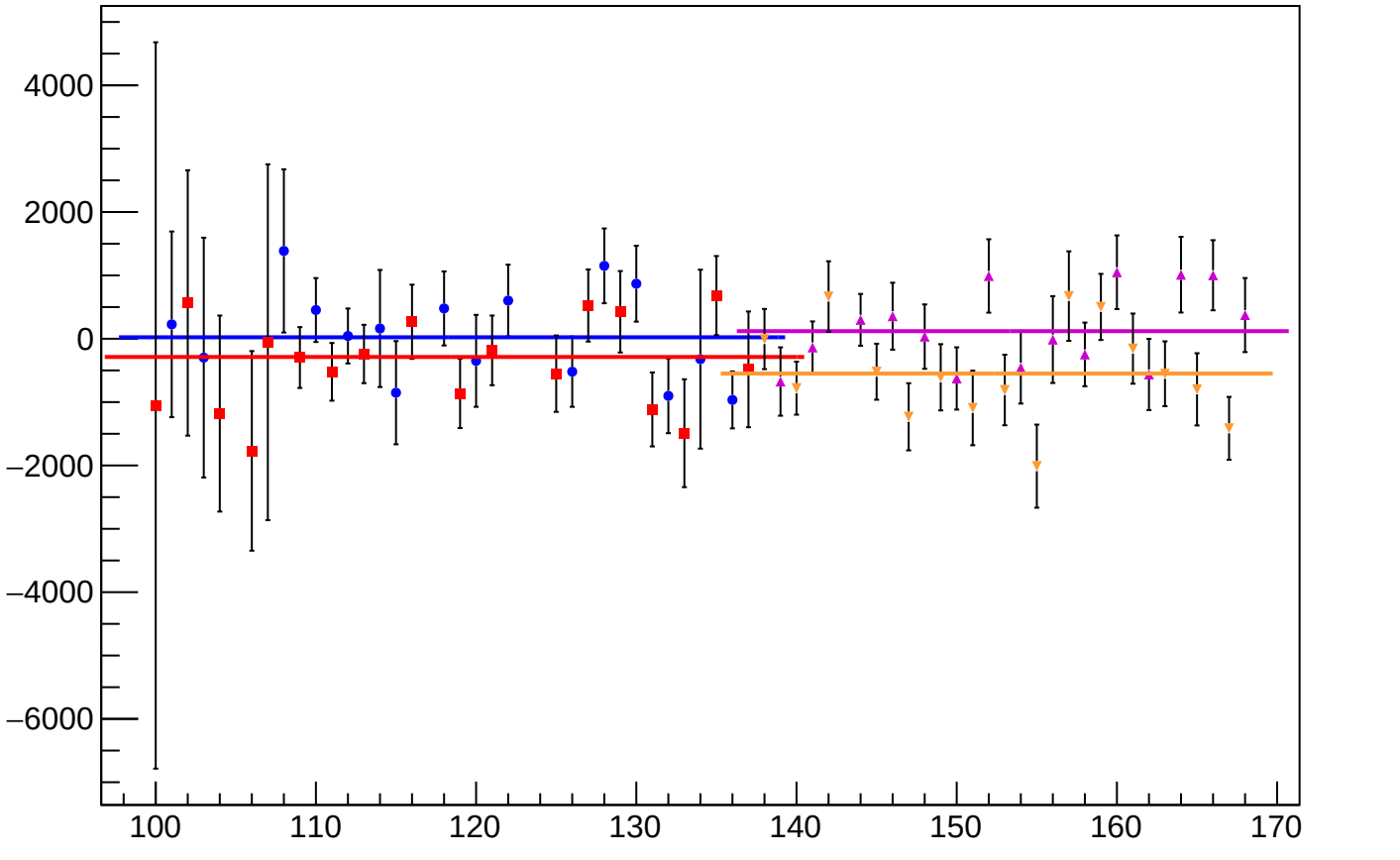
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1103.308+/-0.222 χ^2/NDF:29250.2/14

\+ sign 1107.939+/-0.181 χ^2/NDF: 656037.0/30

All: 1109.798+/-0.127 χ^2/NDF: 912231.5/63

\- sign 1111.604+/-0.179 χ^2/NDF: 255987.0/32



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -549.014+/-135.991 χ^2/NDF:24.9/14

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

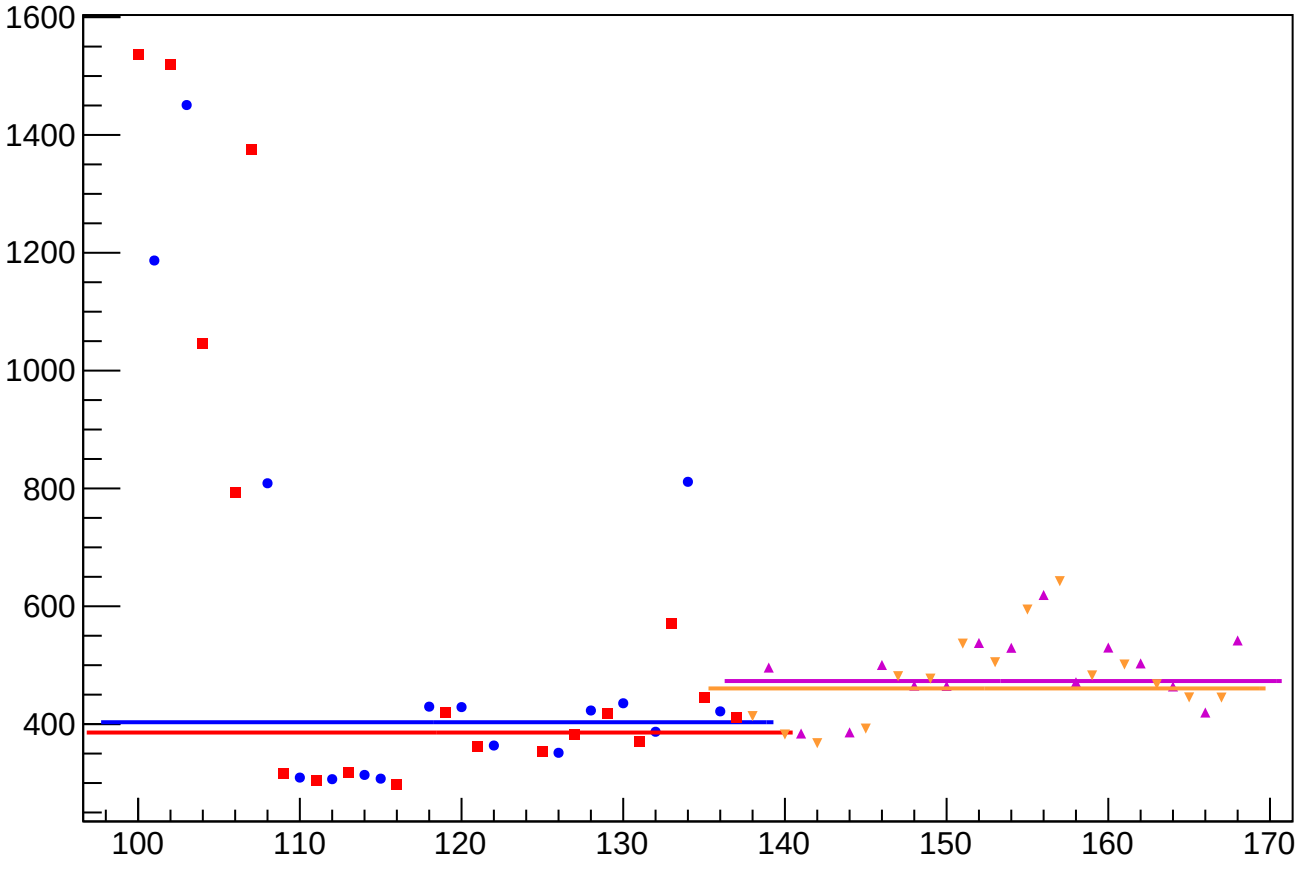
Left In: 119.810+/-135.725 χ^2/NDF:18.2/14

\+ sign -311.279+/-103.954 χ^2/NDF: 51.2/30

All: -181.508+/-72.971 χ^2/NDF: 90.0/63

\- sign -55.451+/-102.455 χ^2/NDF: 35.7/32

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: 460.545+/-0.096 χ^2/NDF:478541.8/14

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

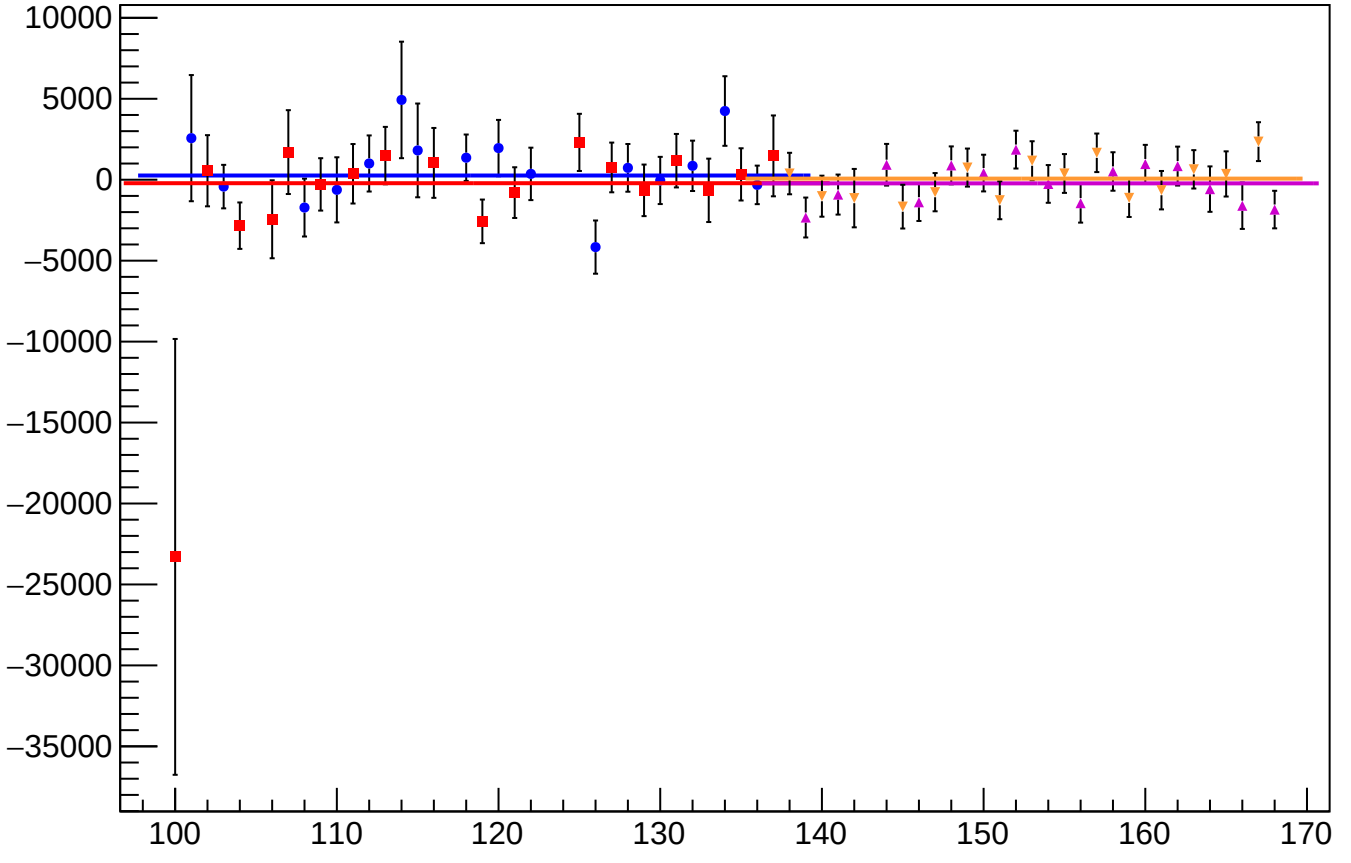
Left In: 473.090+/-0.096 χ^2/NDF:402690.9/14

+ sign 436.701+/-0.074 χ^2/NDF: 2438569.2/30

All: 436.087+/-0.052 χ^2/NDF: 4945372.3/63

- sign 435.490+/-0.072 χ^2/NDF: 2506665.2/32

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: 68.863+/-321.090 χ^2/NDF:13.0/14

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

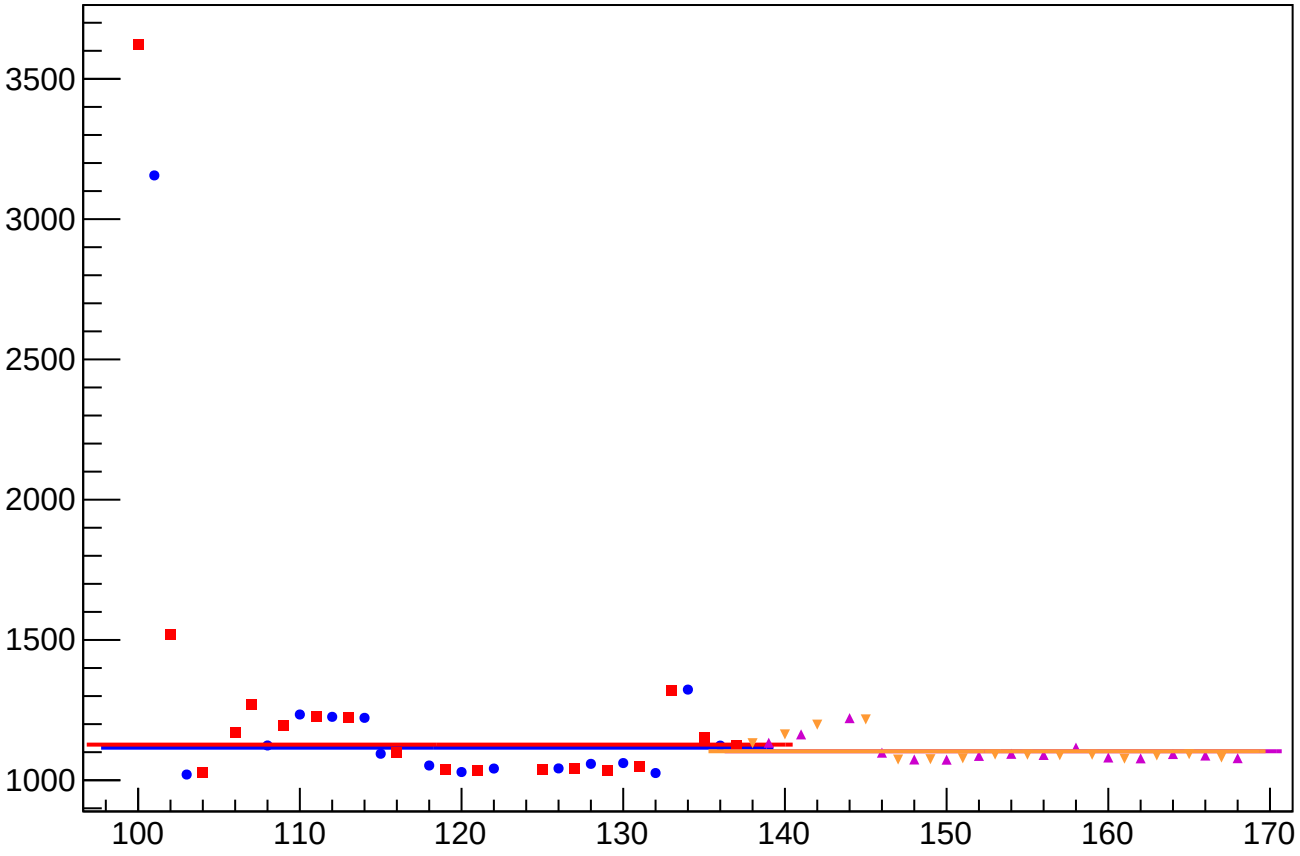
Left In: -224.505+/-313.354 χ^2/NDF:15.6/14

+ sign 138.540+/-256.118 χ^2/NDF: 30.1/30

All: -43.792+/-179.807 χ^2/NDF: 62.9/63

- sign -220.996+/-252.491 χ^2/NDF: 31.9/32

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: 1103.280+/-0.227 χ^2/NDF:31487.4/14

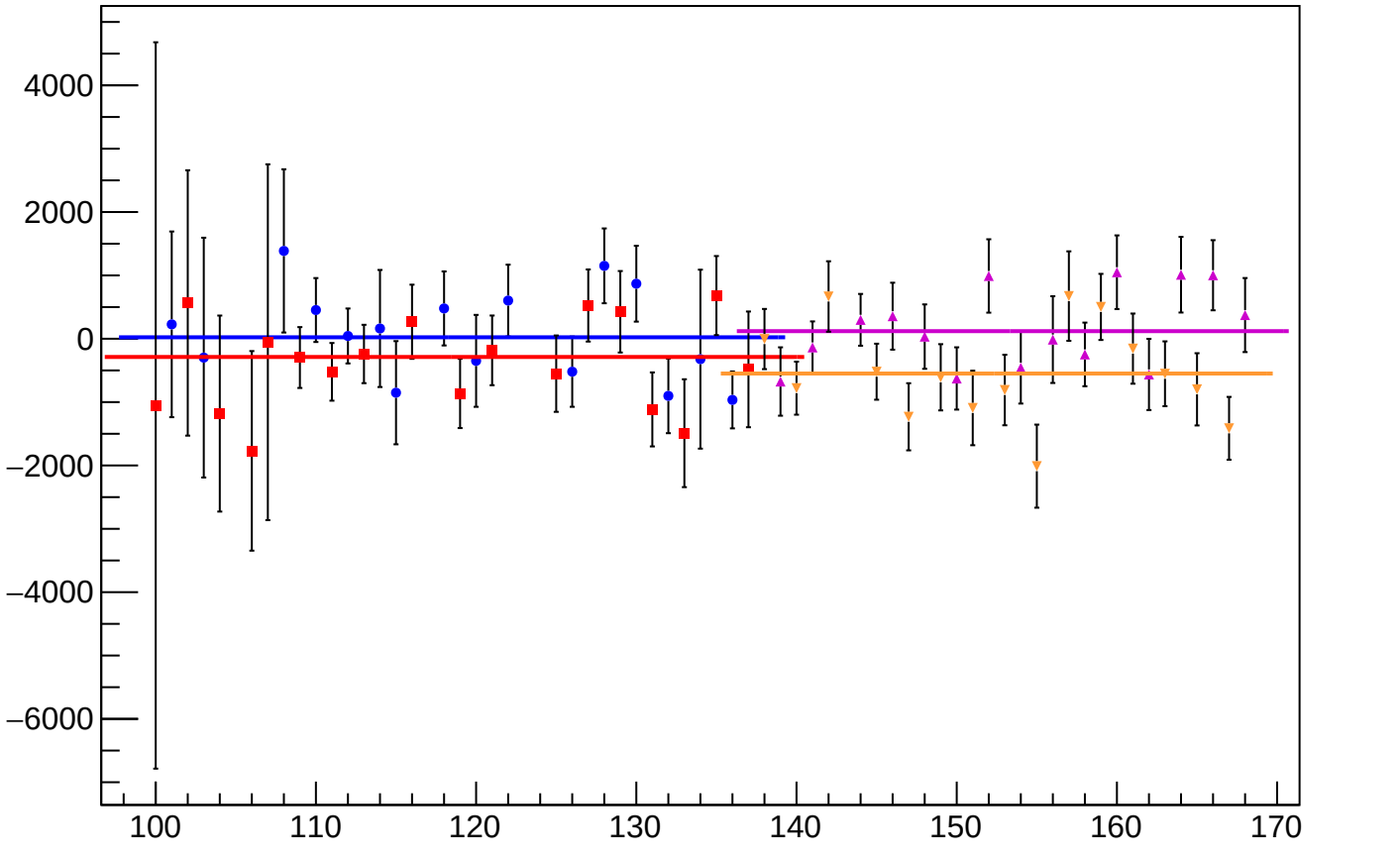
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1103.308+/-0.222 χ^2/NDF:29250.2/14

\+ sign 1107.939+/-0.181 χ^2/NDF: 656037.0/30

All: 1109.798+/-0.127 χ^2/NDF: 912231.5/63

\- sign 1111.604+/-0.179 χ^2/NDF: 255987.0/32



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -549.014+/-135.991 χ^2/NDF:24.9/14

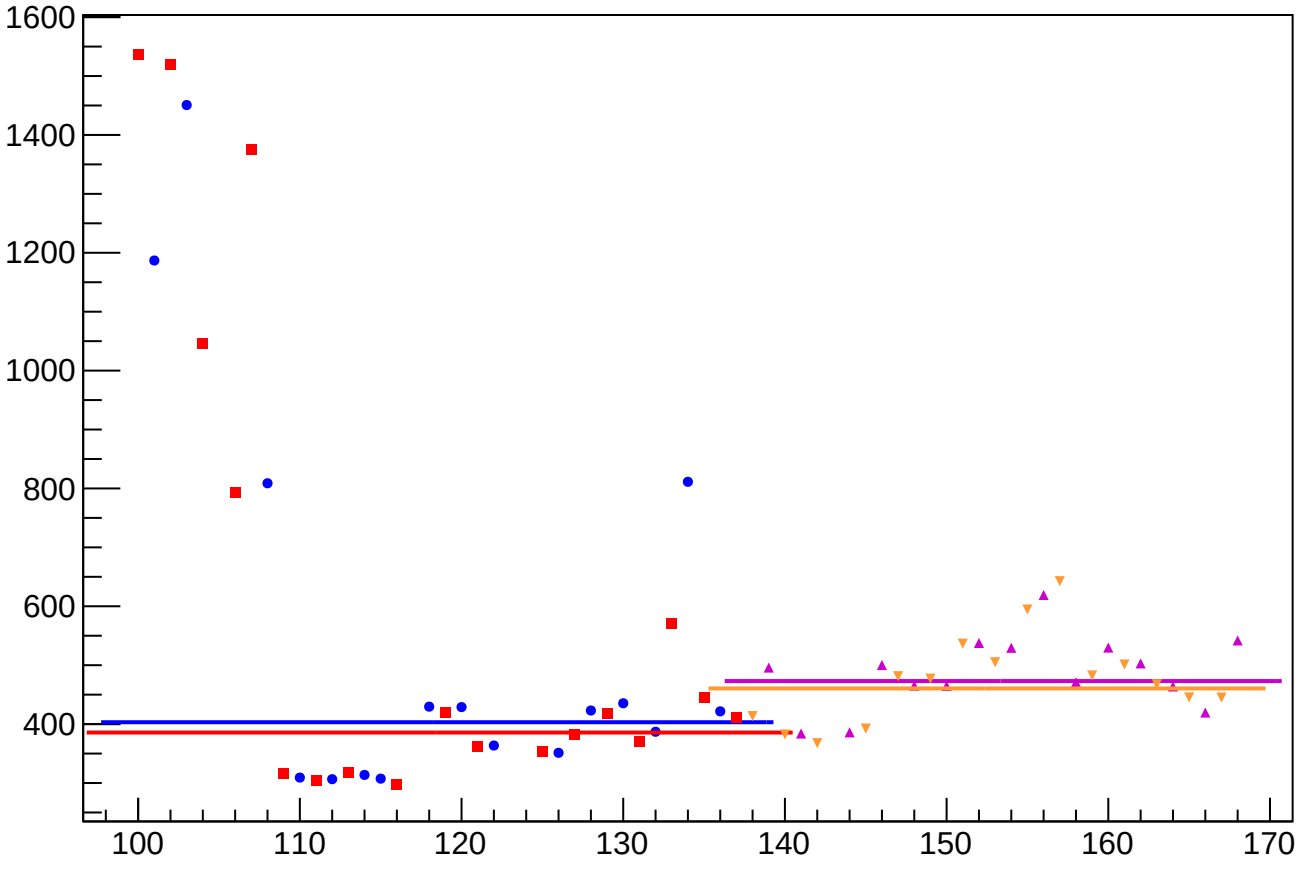
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 119.810+/-135.725 χ^2/NDF:18.2/14

\+ sign -311.279+/-103.954 χ^2/NDF: 51.2/30

All: -181.508+/-72.971 χ^2/NDF: 90.0/63

\- sign -55.451+/-102.455 χ^2/NDF: 35.7/32



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 460.545+/-0.096 χ^2/NDF:478541.8/14

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

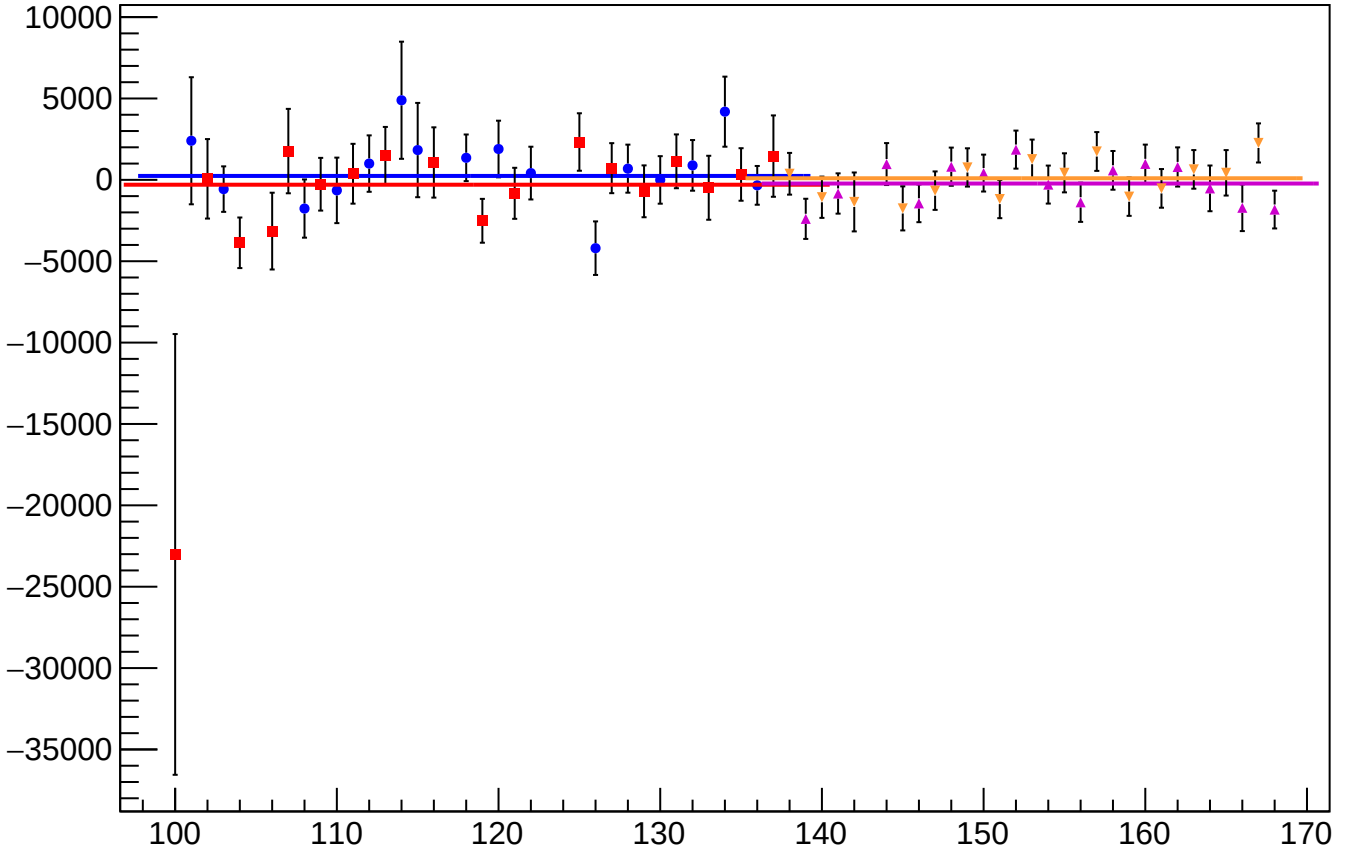
Left In: 473.090+/-0.096 χ^2/NDF:402690.9/14

+ sign 436.701+/-0.074 χ^2/NDF: 2438569.2/30

All: 436.087+/-0.052 χ^2/NDF: 4945372.3/63

- sign 435.490+/-0.072 χ^2/NDF: 2506665.2/32

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 98.021+/-321.453 χ^2/NDF:13.0/14

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

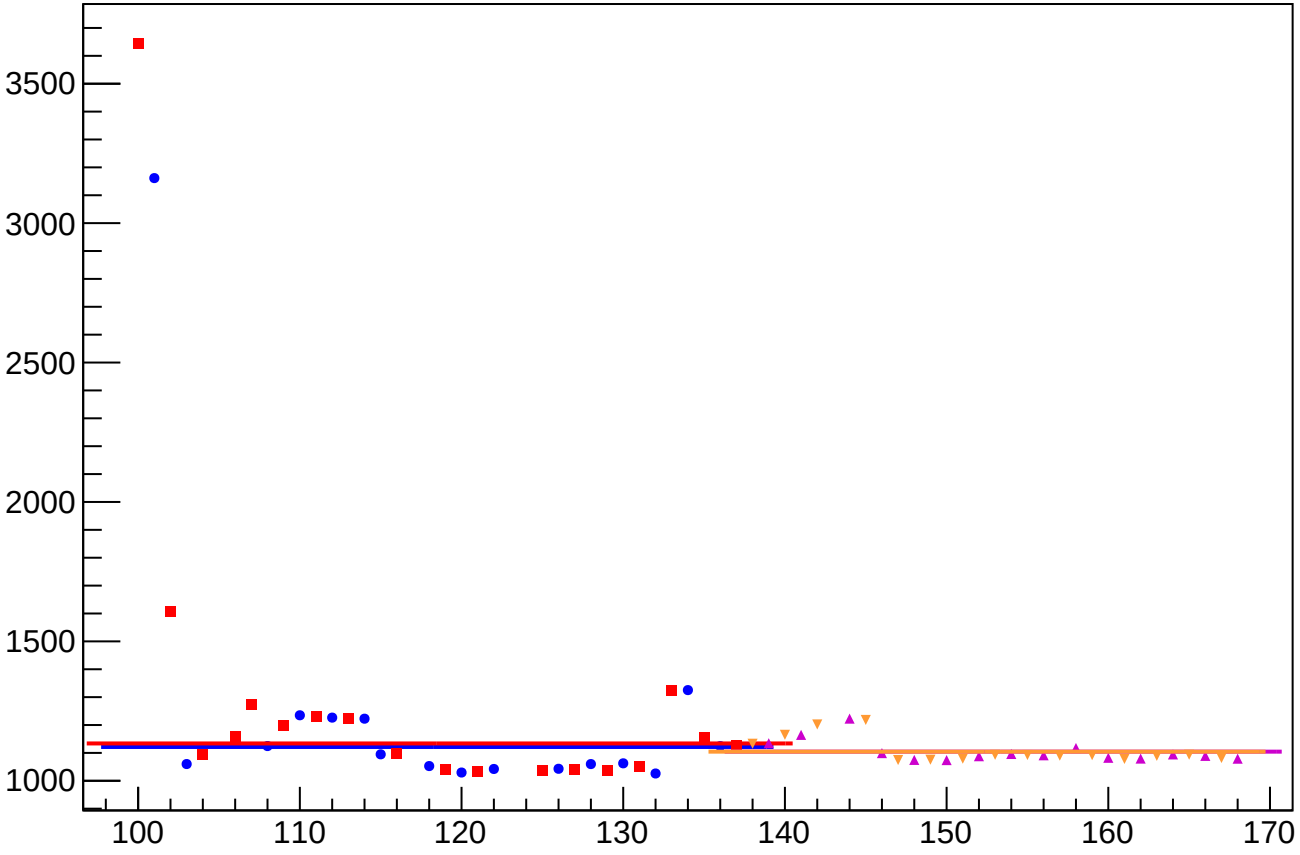
Left In: -226.383+/-313.696 χ^2/NDF:15.7/14

+ sign 149.741+/-256.726 χ^2/NDF: 30.0/30

All: -53.361+/-180.411 χ^2/NDF: 65.7/63

- sign -251.520+/-253.582 χ^2/NDF: 34.4/32

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1104.510+/-0.227 χ^2/NDF:31892.5/14

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

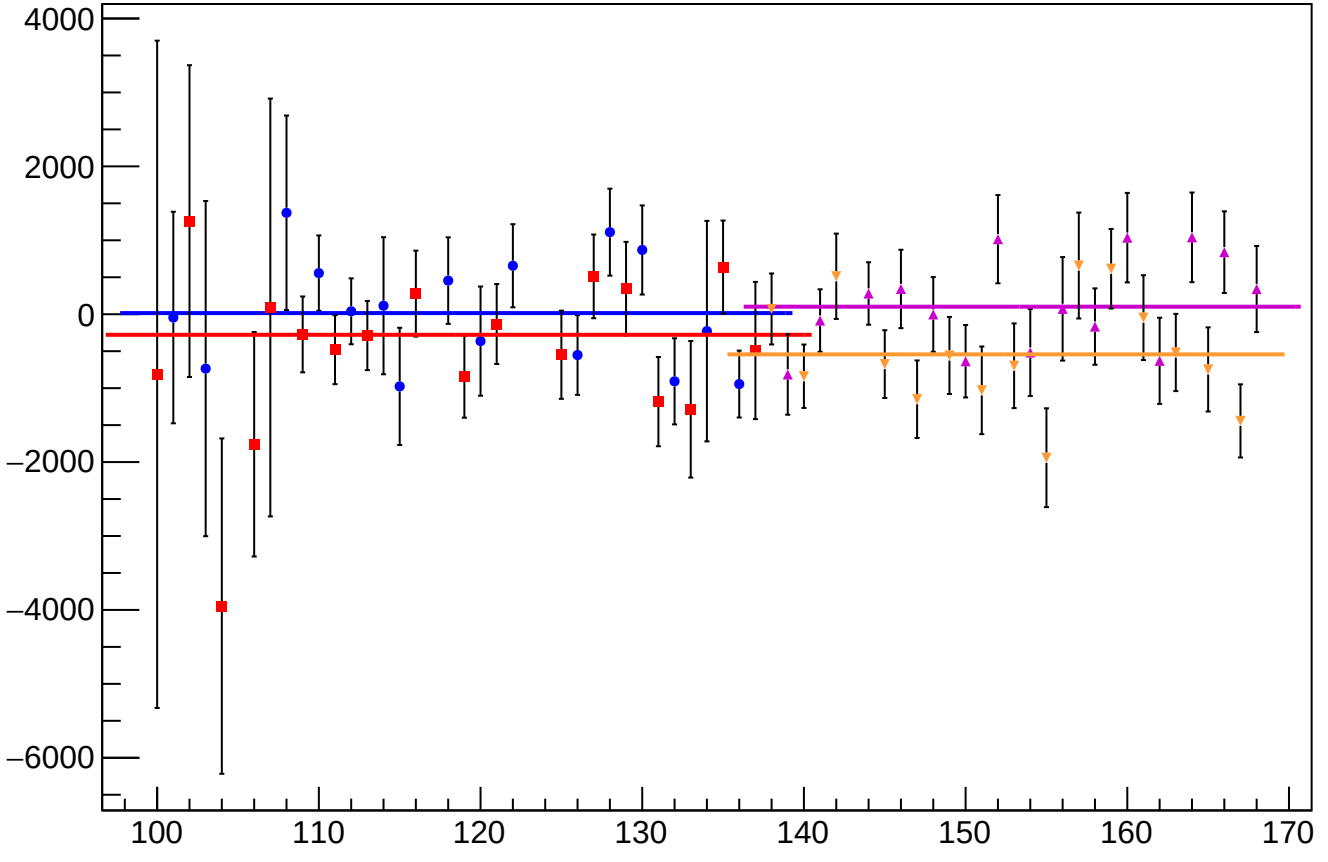
Left In: 1104.509+/-0.222 χ^2/NDF:29334.5/14

+ sign 1110.589+/-0.182 χ^2/NDF: 650895.5/30

All: 1112.672+/-0.128 χ^2/NDF: 914043.5/63

- sign 1114.704+/-0.179 χ^2/NDF: 262887.9/32

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -542.908+/-138.311 χ^2/NDF:23.6/14

Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

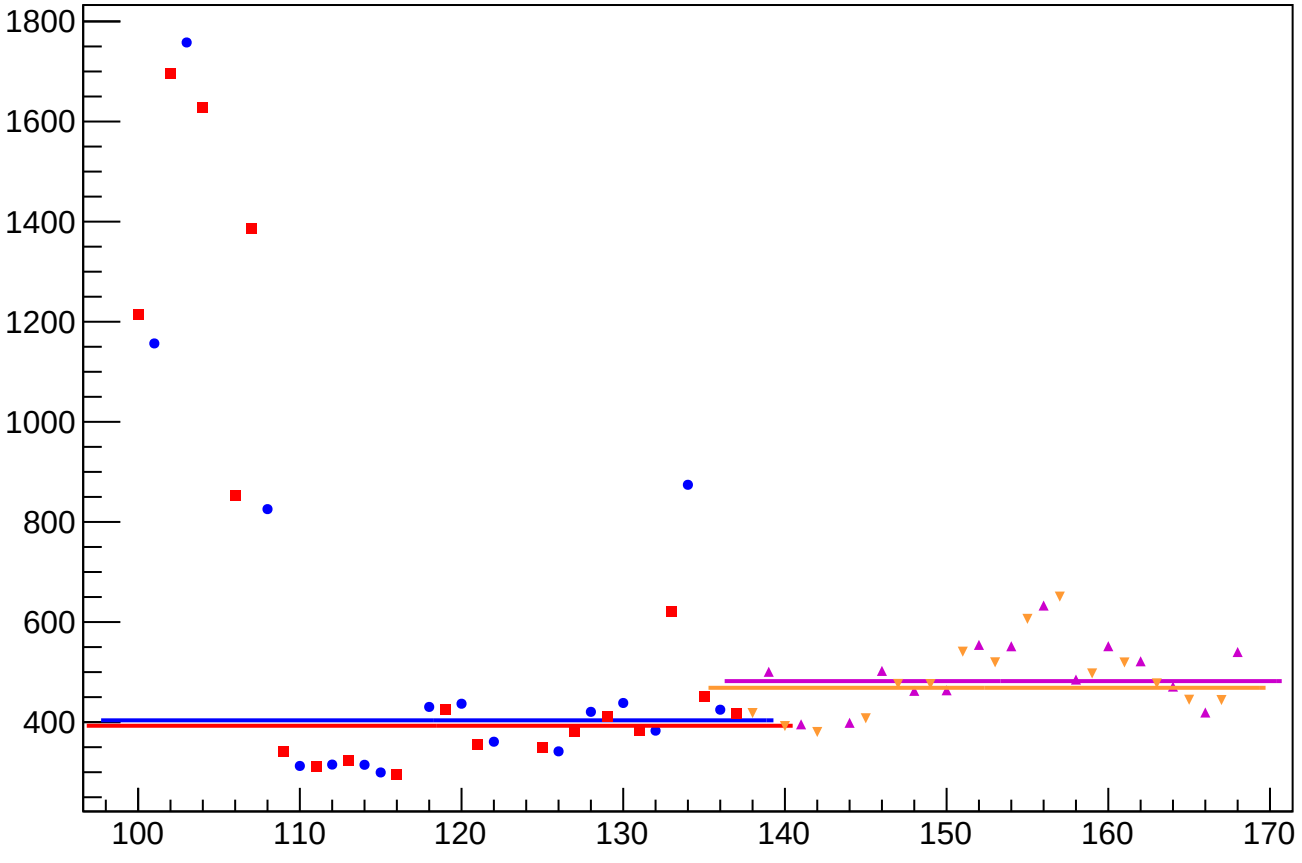
Left In: 101.950+/-138.264 χ^2/NDF:17.7/14

+ sign -307.308+/-105.146 χ^2/NDF: 50.1/30

All: -183.625+/-74.043 χ^2/NDF: 89.0/63

- sign -61.960+/-104.285 χ^2/NDF: 36.1/32

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: 468.662+/-0.098 χ^2/NDF:458608.2/14

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

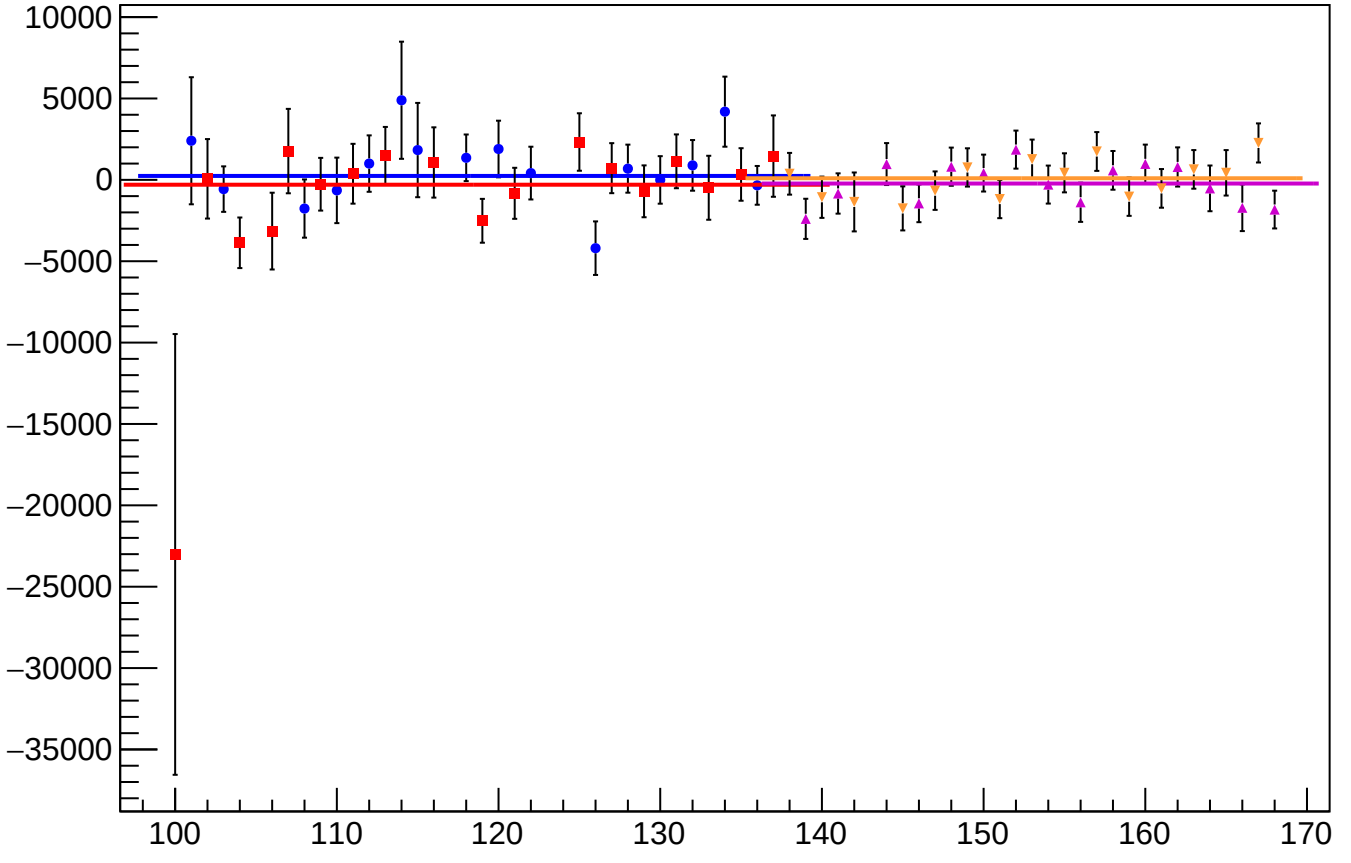
Left In: 482.025+/-0.098 χ^2/NDF:404860.3/14

+ sign 441.225+/-0.074 χ^2/NDF: 2574677.2/30

All: 442.406+/-0.052 χ^2/NDF: 5542398.3/63

- sign 443.568+/-0.074 χ^2/NDF: 2967220.5/32

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: 98.018+/-321.453 χ^2/NDF:13.0/14

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

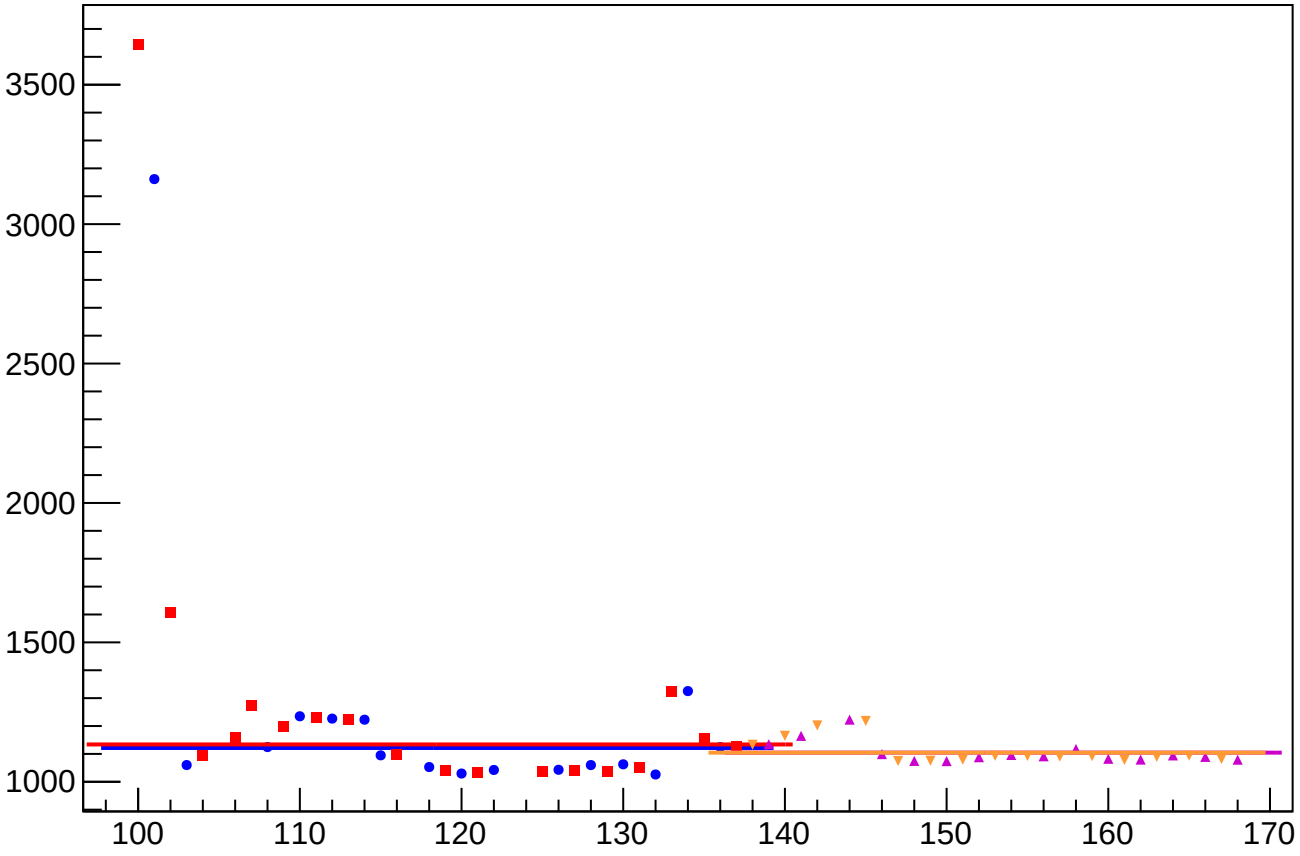
Left In: -226.384+/-313.696 χ^2/NDF:15.7/14

+ sign 149.740+/-256.726 χ^2/NDF: 30.0/30

All: -53.362+/-180.411 χ^2/NDF: 65.7/63

- sign -251.521+/-253.582 χ^2/NDF: 34.4/32

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: 1104.511+/-0.227 χ^2/NDF:31892.6/14

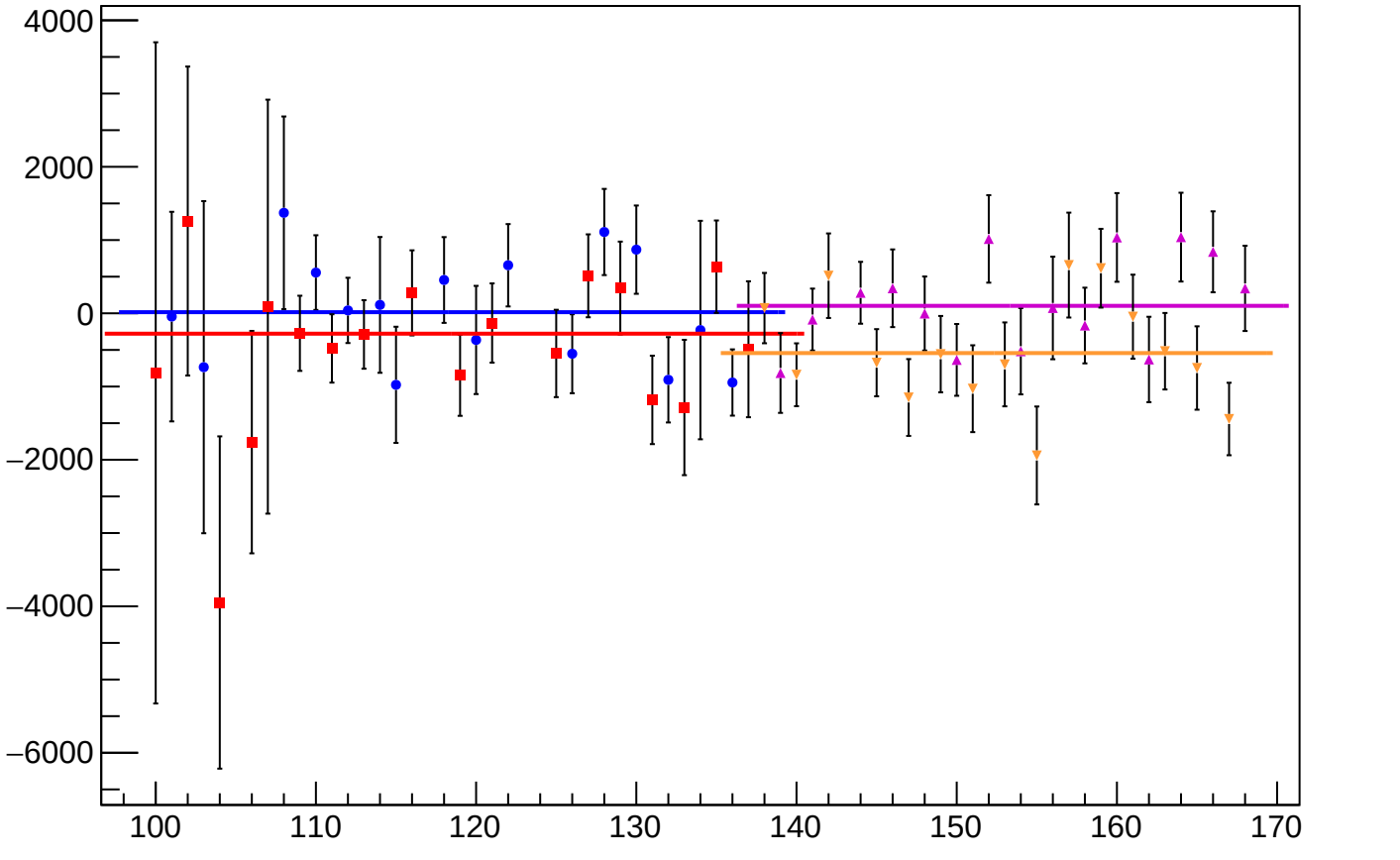
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1104.509+/-0.222 χ^2/NDF:29334.6/14

+ sign 1110.589+/-0.182 χ^2/NDF: 650895.5/30

All: 1112.672+/-0.128 χ^2/NDF: 914043.6/63

- sign 1114.704+/-0.179 χ^2/NDF: 262888.0/32



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -542.911+/-138.311 χ^2/NDF:23.6/14

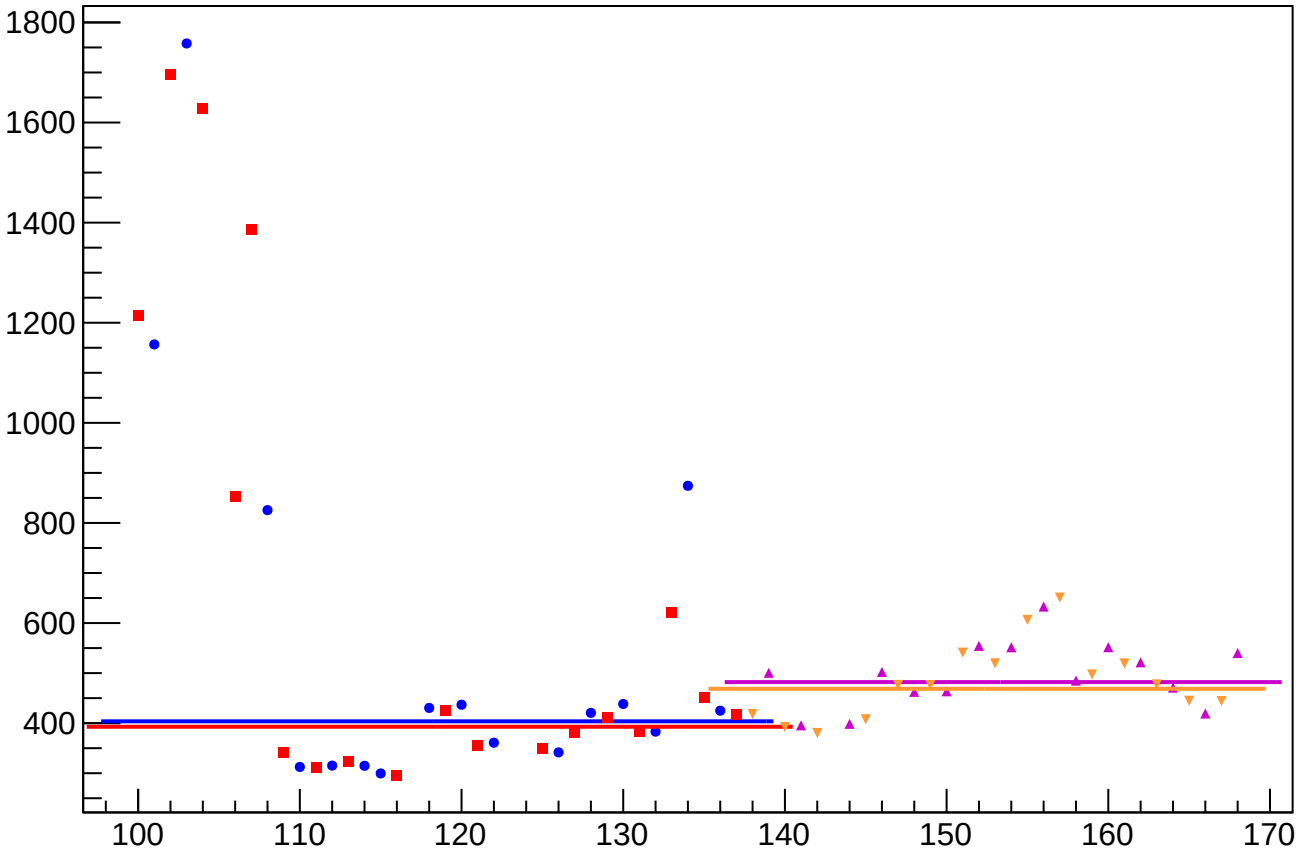
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 101.950+/-138.264 χ^2/NDF:17.7/14

\+ sign -307.309+/-105.146 χ^2/NDF: 50.1/30

All: -183.626+/-74.043 χ^2/NDF: 89.0/63

\- sign -61.961+/-104.285 χ^2/NDF: 36.1/32



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 468.662+/-0.098 χ^2/NDF:458631.4/14

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

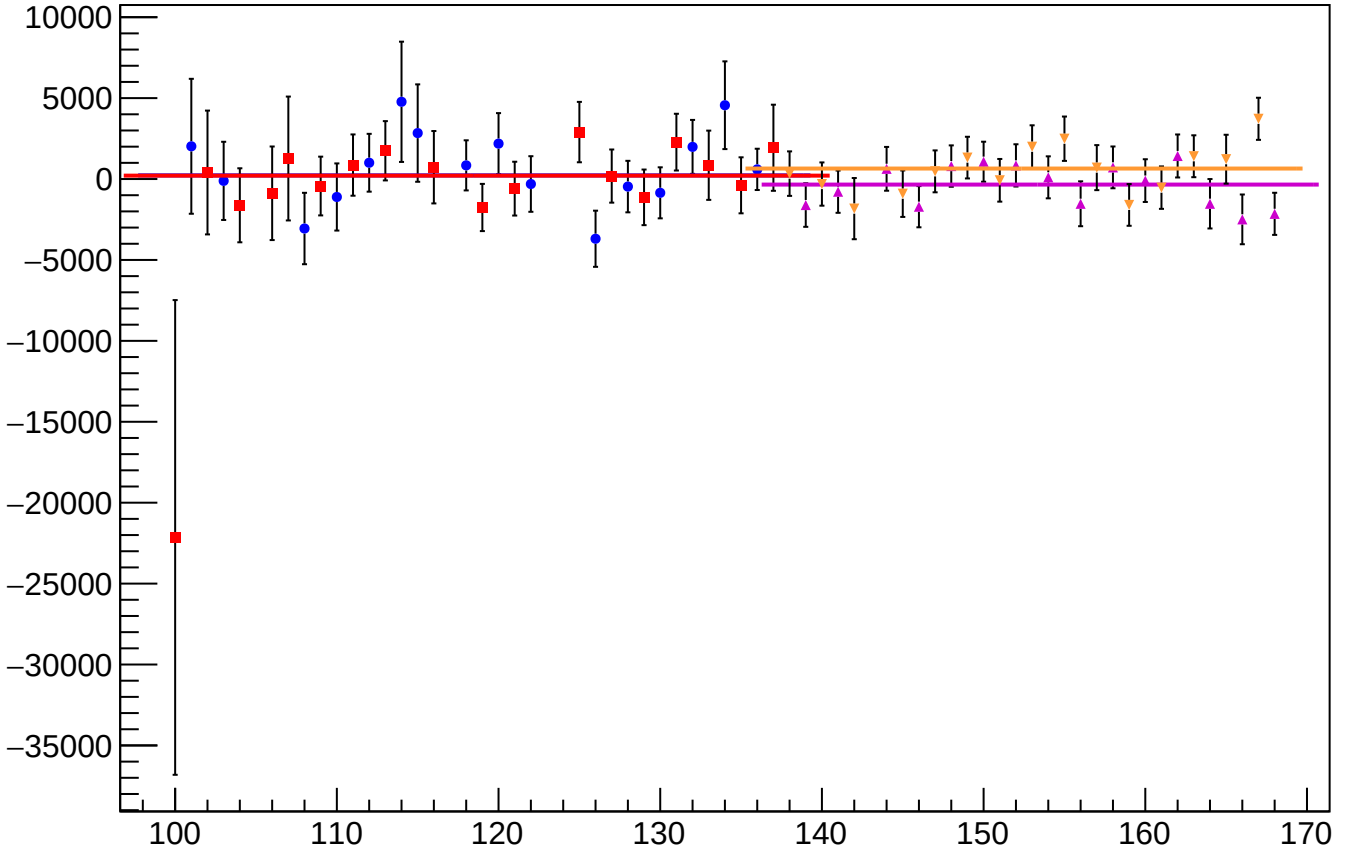
Left In: 482.026+/-0.098 χ^2/NDF:404870.0/14

+ sign 441.223+/-0.074 χ^2/NDF: 2574715.8/30

All: 442.404+/-0.052 χ^2/NDF: 5542488.7/63

- sign 443.566+/-0.074 χ^2/NDF: 2967272.1/32

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 647.881+/-352.300 χ^2/NDF:16.8/14

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

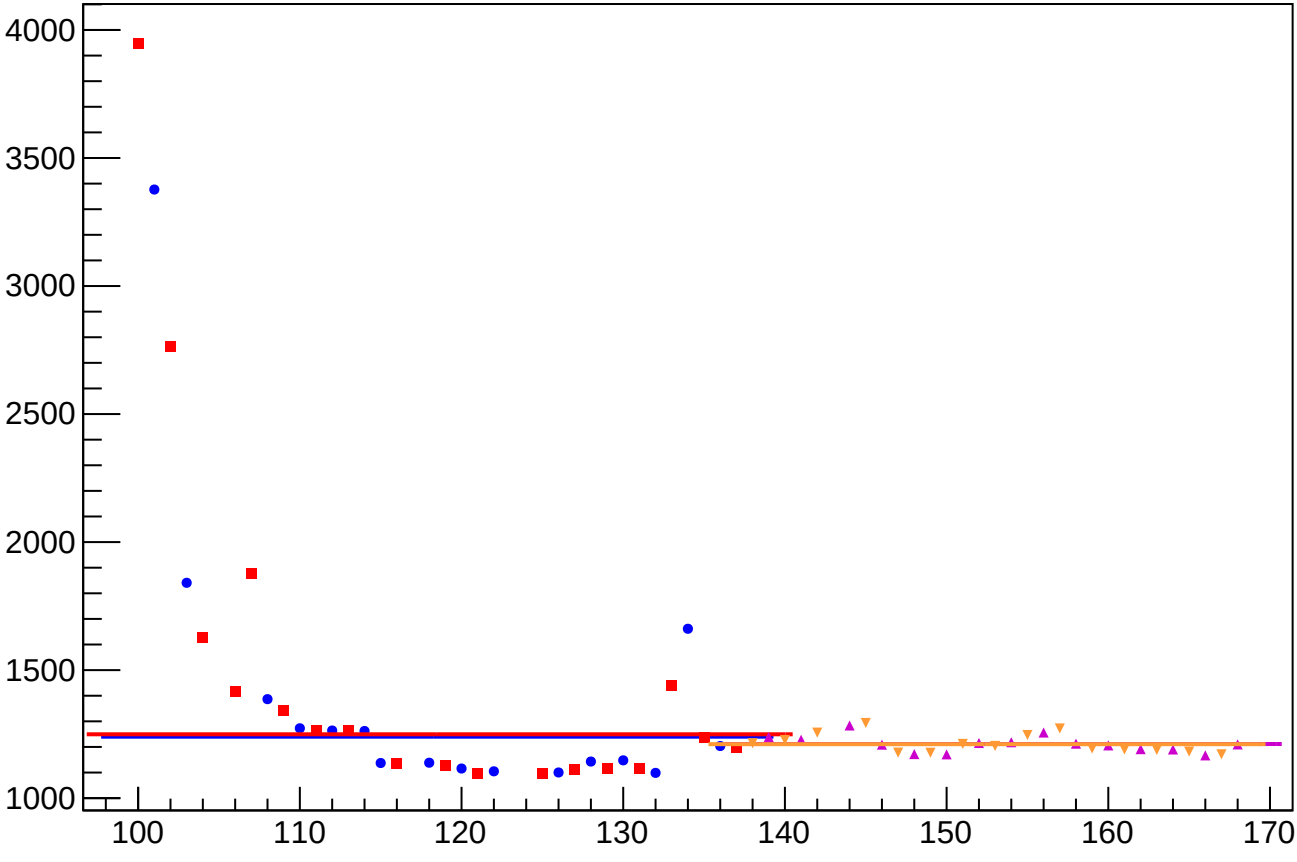
Left In: -343.144+/-343.986 χ^2/NDF:13.4/14

+ sign 497.565+/-282.872 χ^2/NDF: 33.5/30

All: 167.281+/-198.698 χ^2/NDF: 61.4/63

- sign -154.411+/-279.169 χ^2/NDF: 25.3/32

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1210.798+/-0.249 χ^2/NDF:20108.0/14

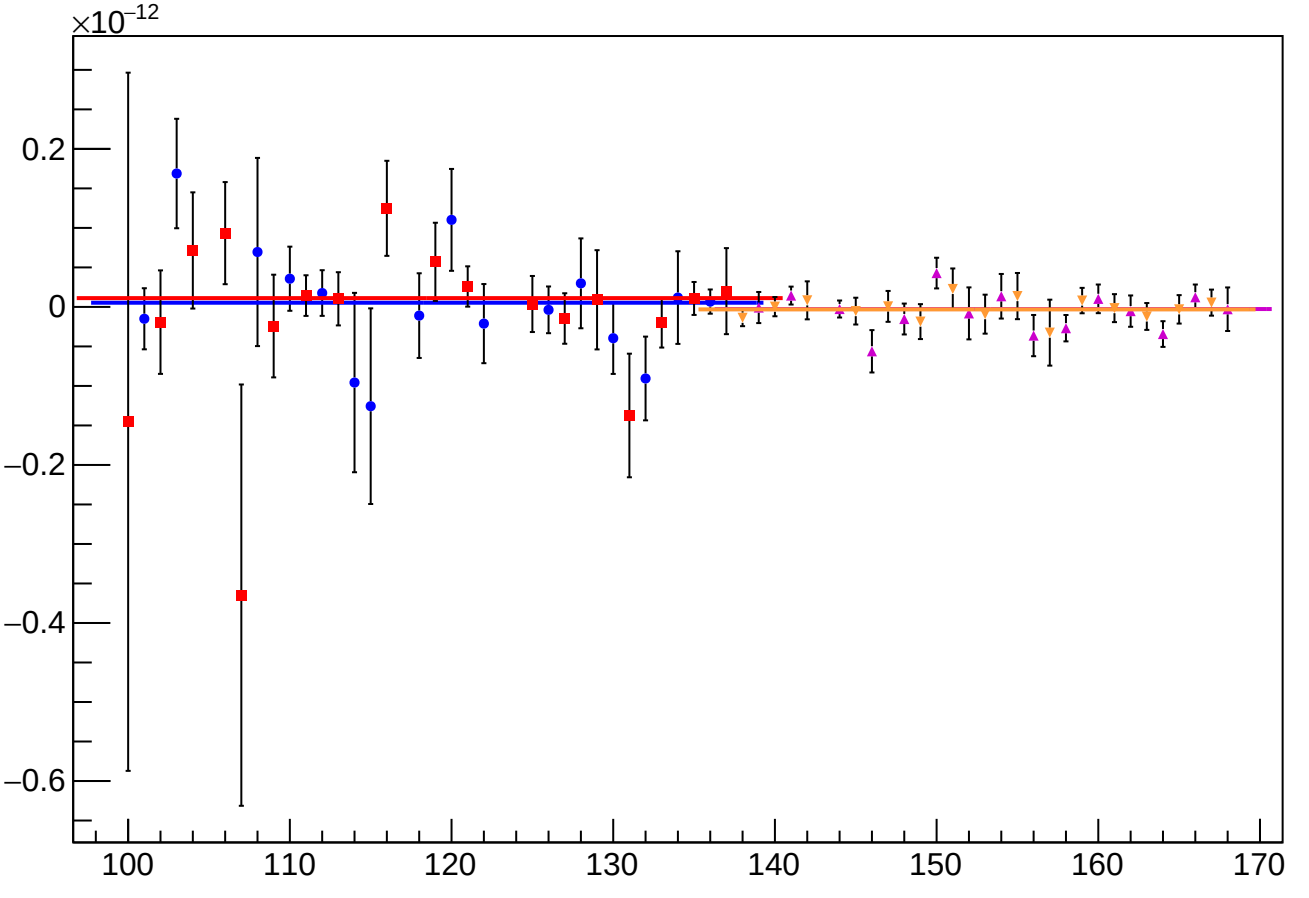
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1211.436+/-0.243 χ^2/NDF:15636.9/14

+ sign 1221.223+/-0.200 χ^2/NDF: 807716.9/30

All: 1222.832+/-0.141 χ^2/NDF: 1437901.0/63

- sign 1224.399+/-0.197 χ^2/NDF: 630056.3/32



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/14

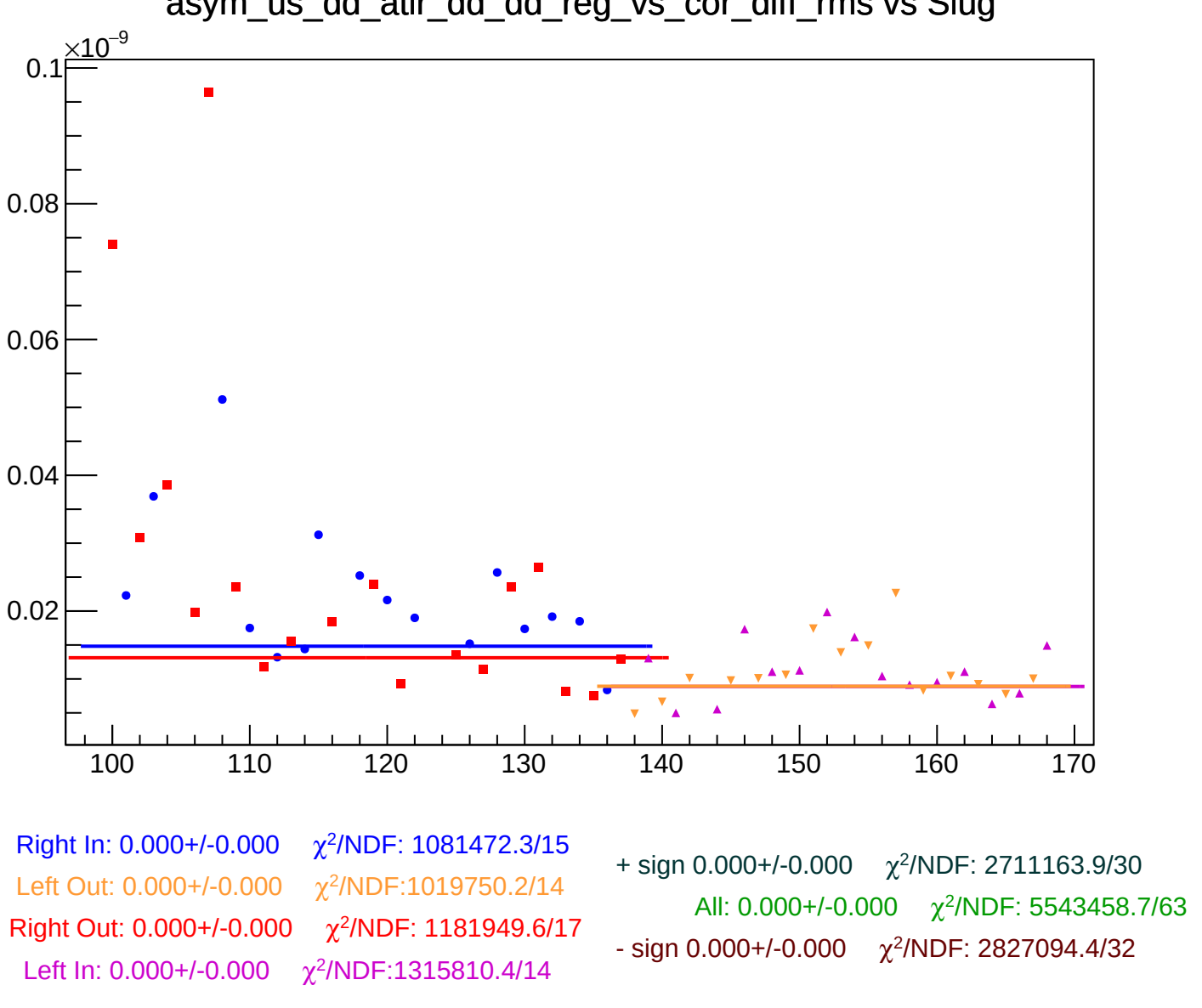
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

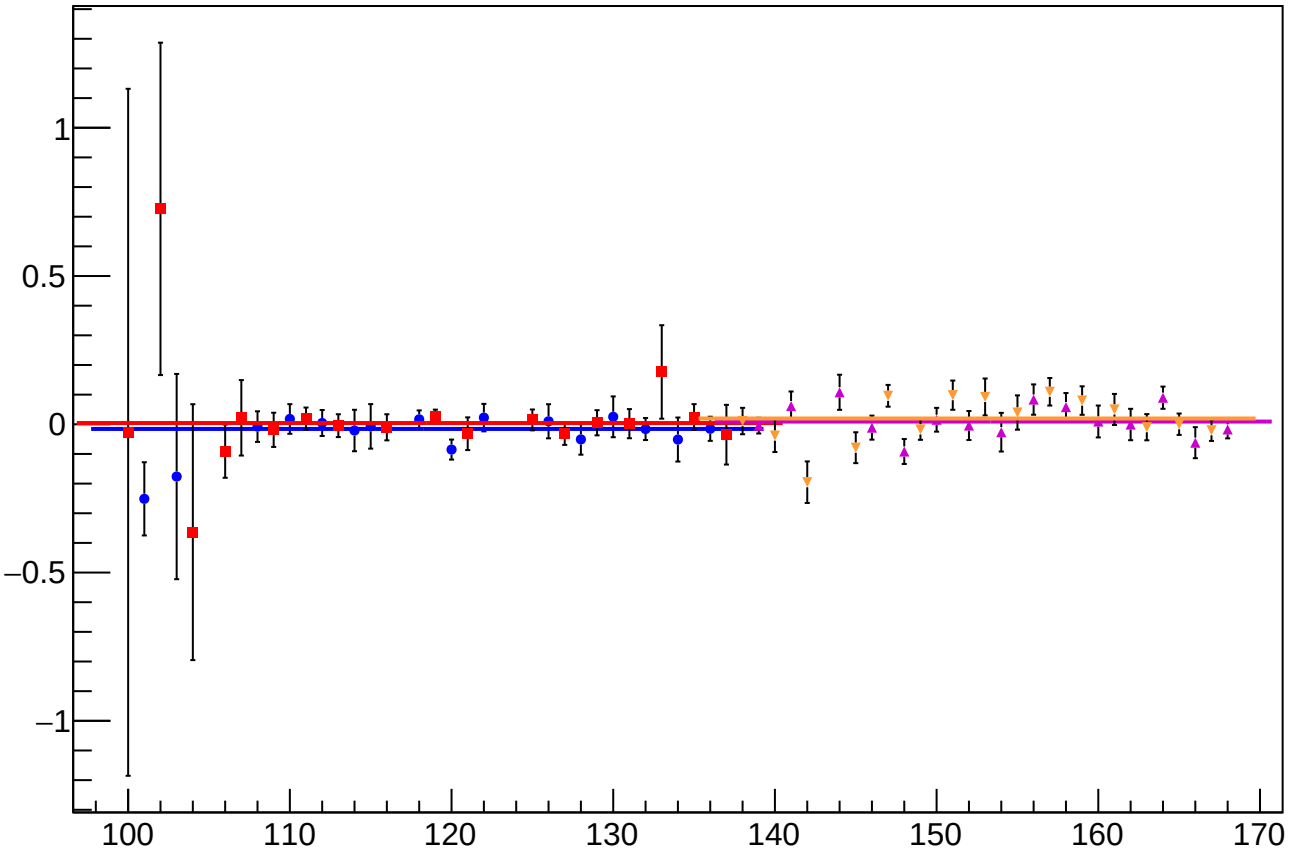
Left In: -0.000+/-0.000 χ^2/NDF:21.5/14

+ sign -0.000+/-0.000 χ^2/NDF: 21.7/30

All: -0.000+/-0.000 χ^2/NDF: 60.1/63

- sign -0.000+/-0.000 χ^2/NDF: 38.2/32


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1081472.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1019750.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 1181949.6/17
Left In: 0.000+/-0.000 χ²/NDF:1315810.4/14
+ sign 0.000+/-0.000 χ²/NDF: 2711163.9/30
All: 0.000+/-0.000 χ²/NDF: 5543458.7/63
- sign 0.000+/-0.000 χ²/NDF: 2827094.4/32



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.020+/-0.012 χ^2/NDF:31.2/14

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

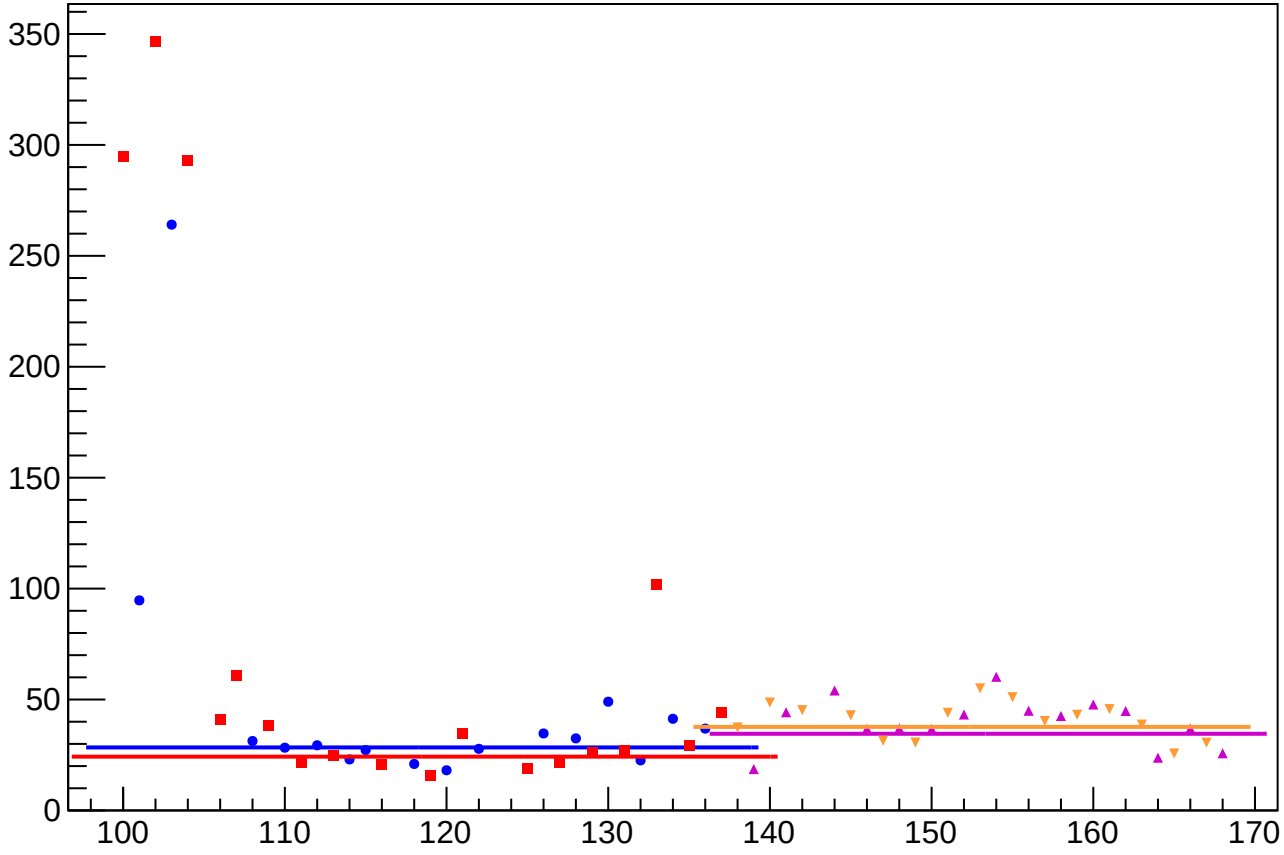
Left In: 0.009+/-0.011 χ^2/NDF:21.0/14

+ sign 0.003+/-0.008 χ^2/NDF: 47.4/30

All: 0.005+/-0.006 χ^2/NDF: 76.5/63

- sign 0.007+/-0.008 χ^2/NDF: 29.0/32

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.669+/-0.008 χ^2/NDF:935829.4/14

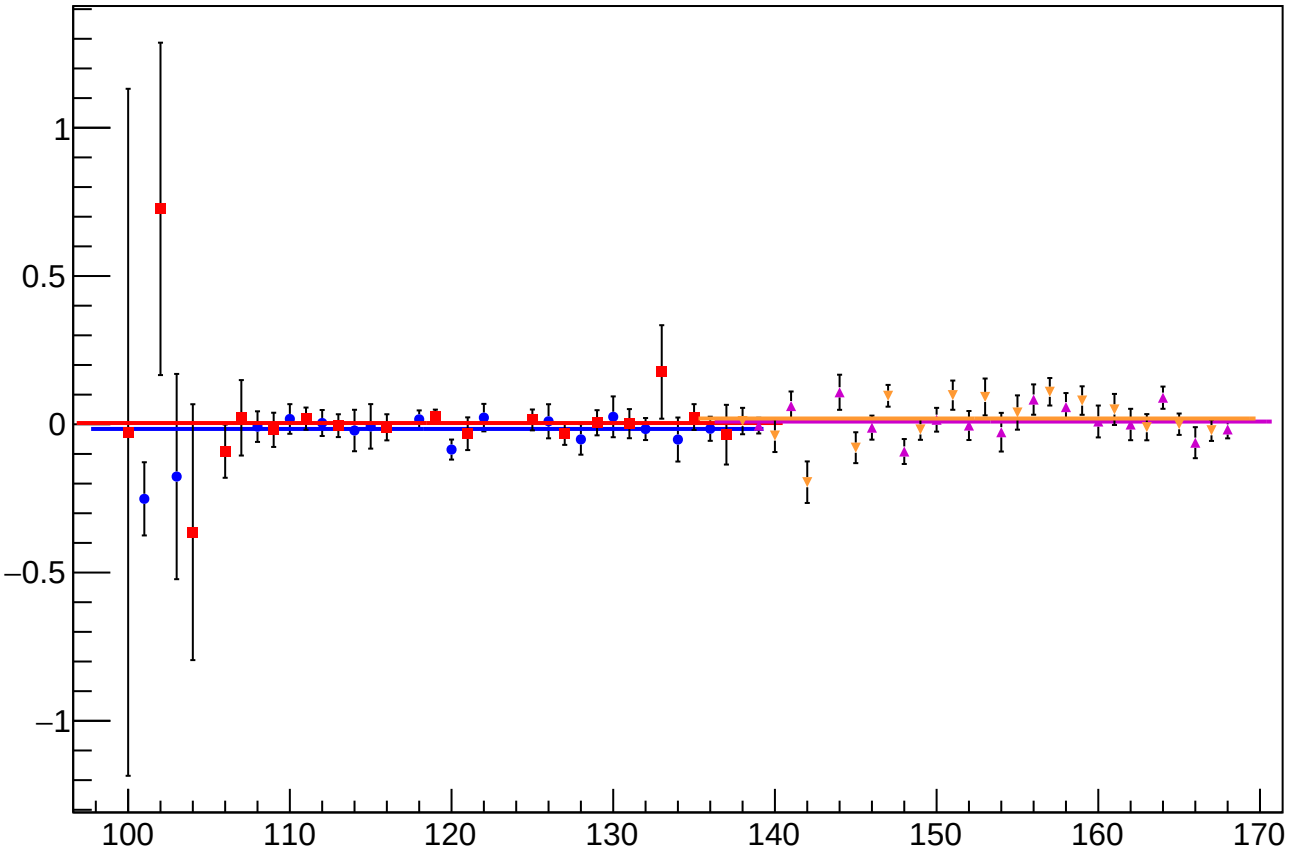
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.565+/-0.008 χ^2/NDF:2082264.3/14

+ sign 33.254+/-0.006 χ^2/NDF: 3773496.9/30

All: 31.308+/-0.004 χ^2/NDF: 9810143.0/63

- sign 29.617+/-0.006 χ^2/NDF: 5840696.1/32



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.020+/-0.012 χ^2/NDF:31.2/14

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

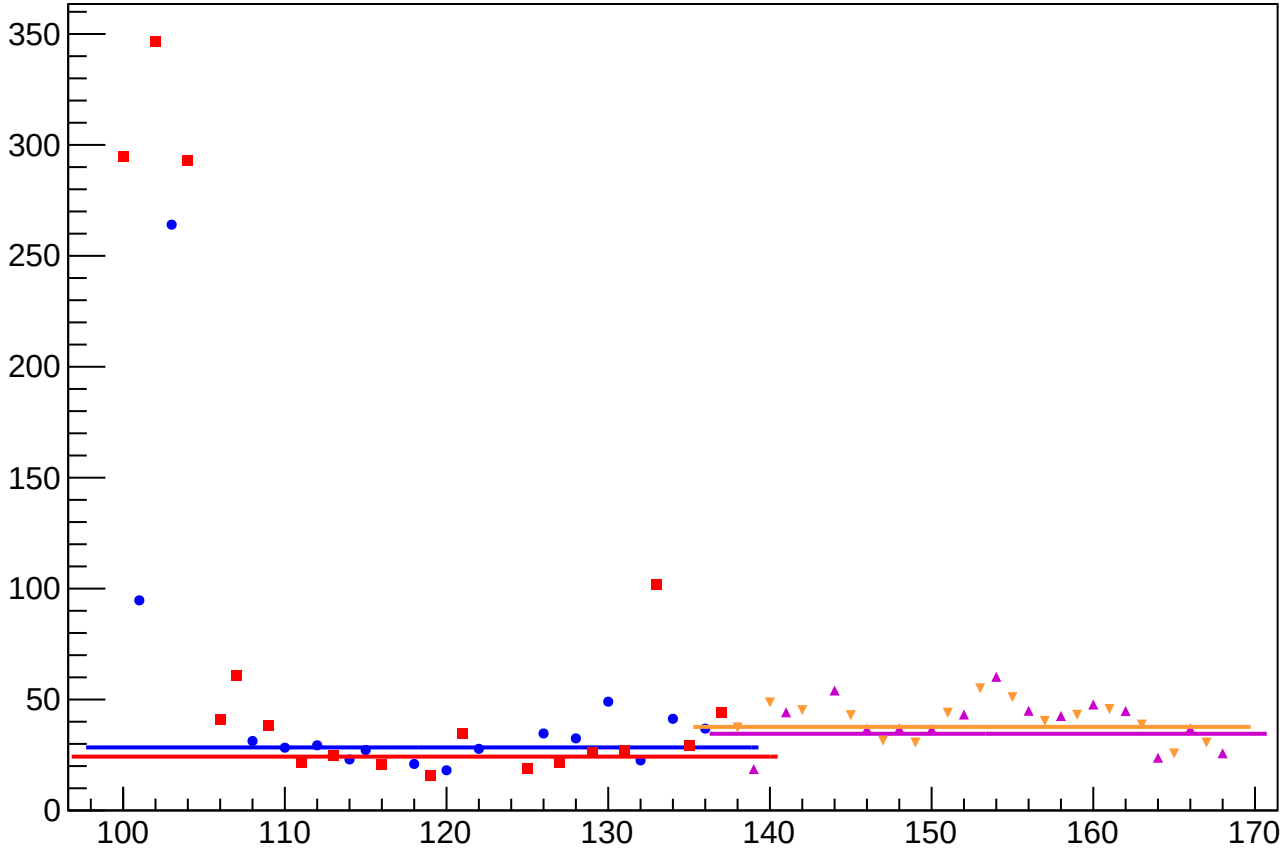
Left In: 0.009+/-0.011 χ^2/NDF:21.0/14

+ sign 0.003+/-0.008 χ^2/NDF: 47.4/30

All: 0.005+/-0.006 χ^2/NDF: 76.5/63

- sign 0.007+/-0.008 χ^2/NDF: 29.0/32

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: 37.669+/-0.008 χ^2/NDF:935829.4/14

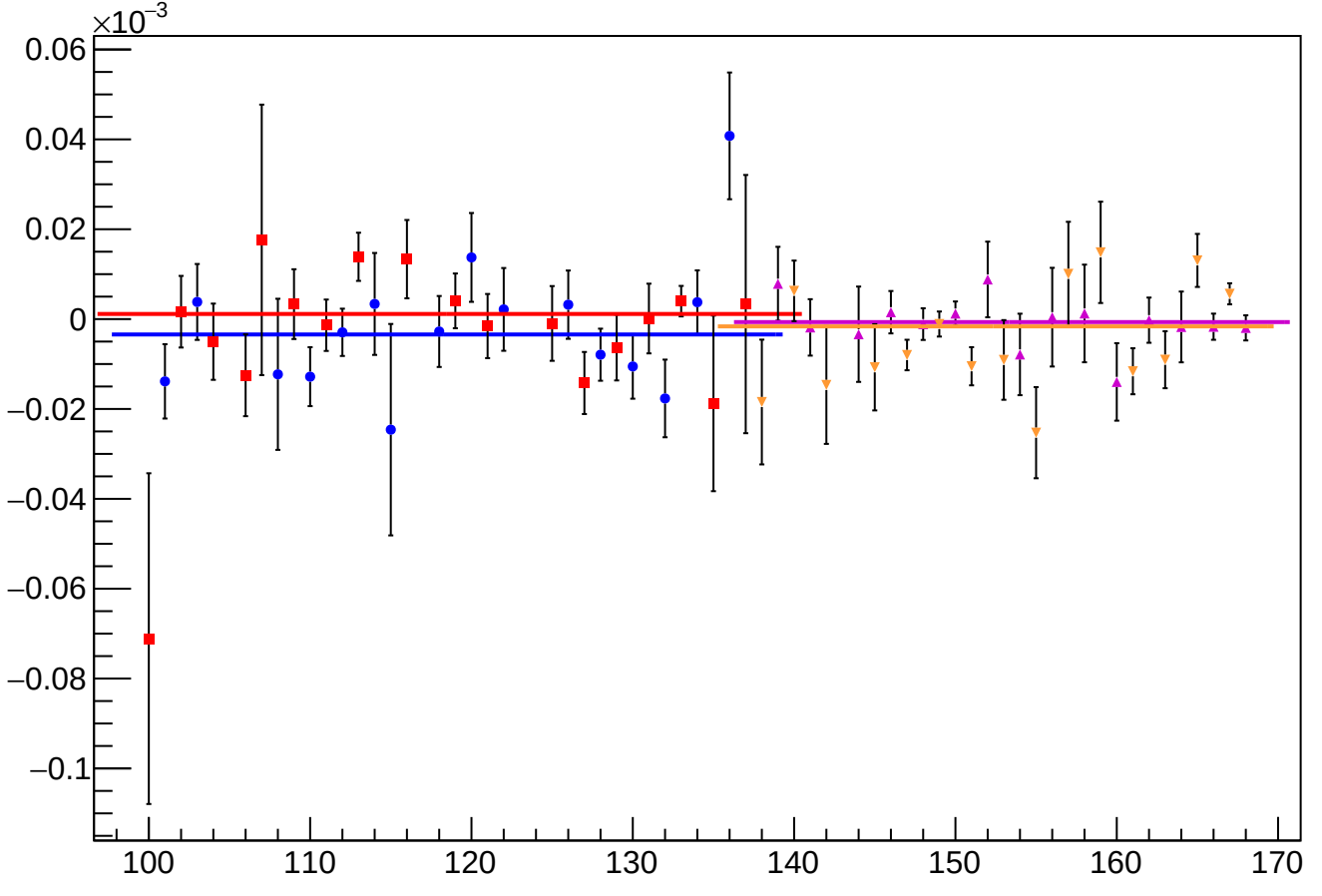
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.565+/-0.008 χ^2/NDF:2082264.3/14

+ sign 33.254+/-0.006 χ^2/NDF: 3773496.9/30

All: 31.308+/-0.004 χ^2/NDF: 9810143.0/63

- sign 29.617+/-0.006 χ^2/NDF: 5840696.1/32



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.9/14

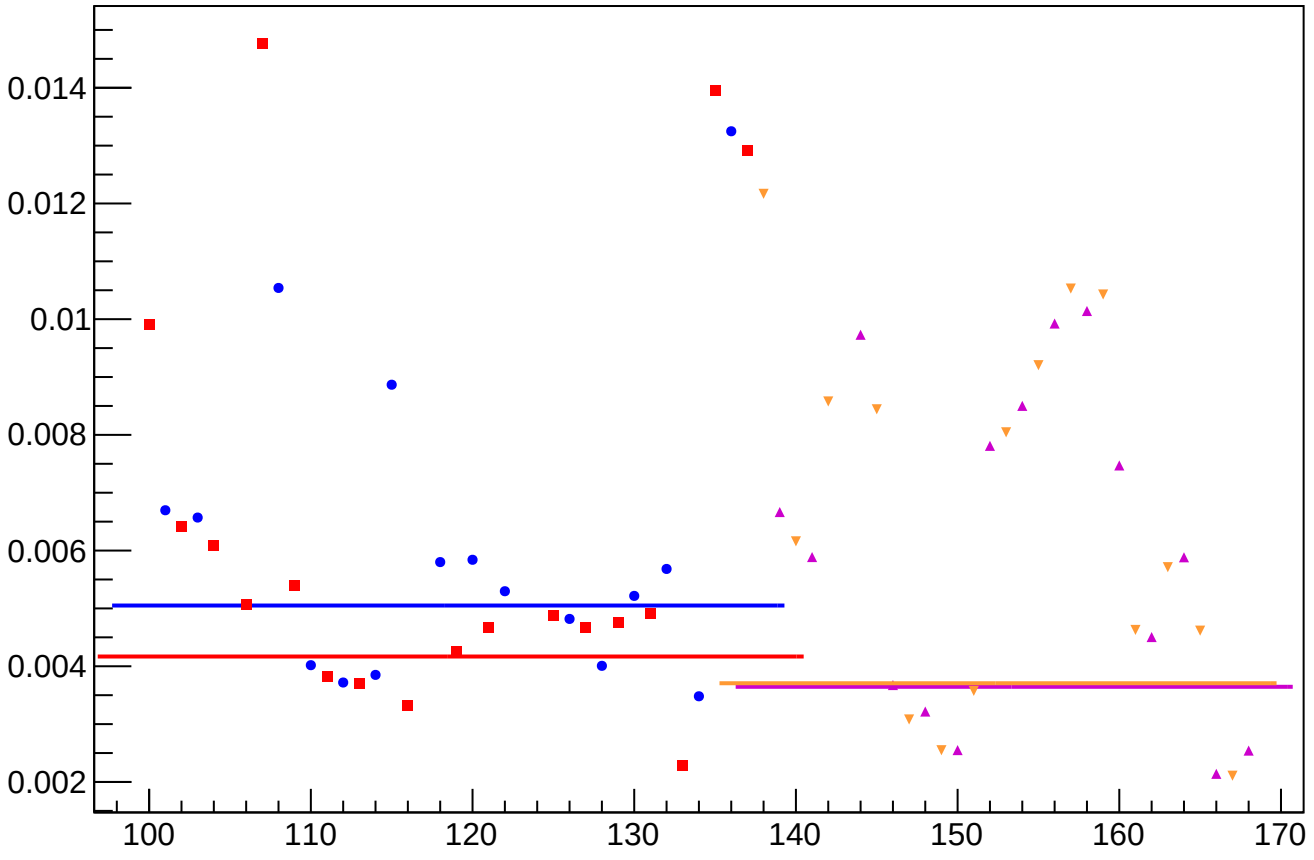
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: -0.000+/-0.000 χ^2/NDF:6.6/14

+ sign -0.000+/-0.000 χ^2/NDF: 68.6/30

All: -0.000+/-0.000 χ^2/NDF: 100.9/63

- sign -0.000+/-0.000 χ^2/NDF: 30.3/32



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:5896203.5/14

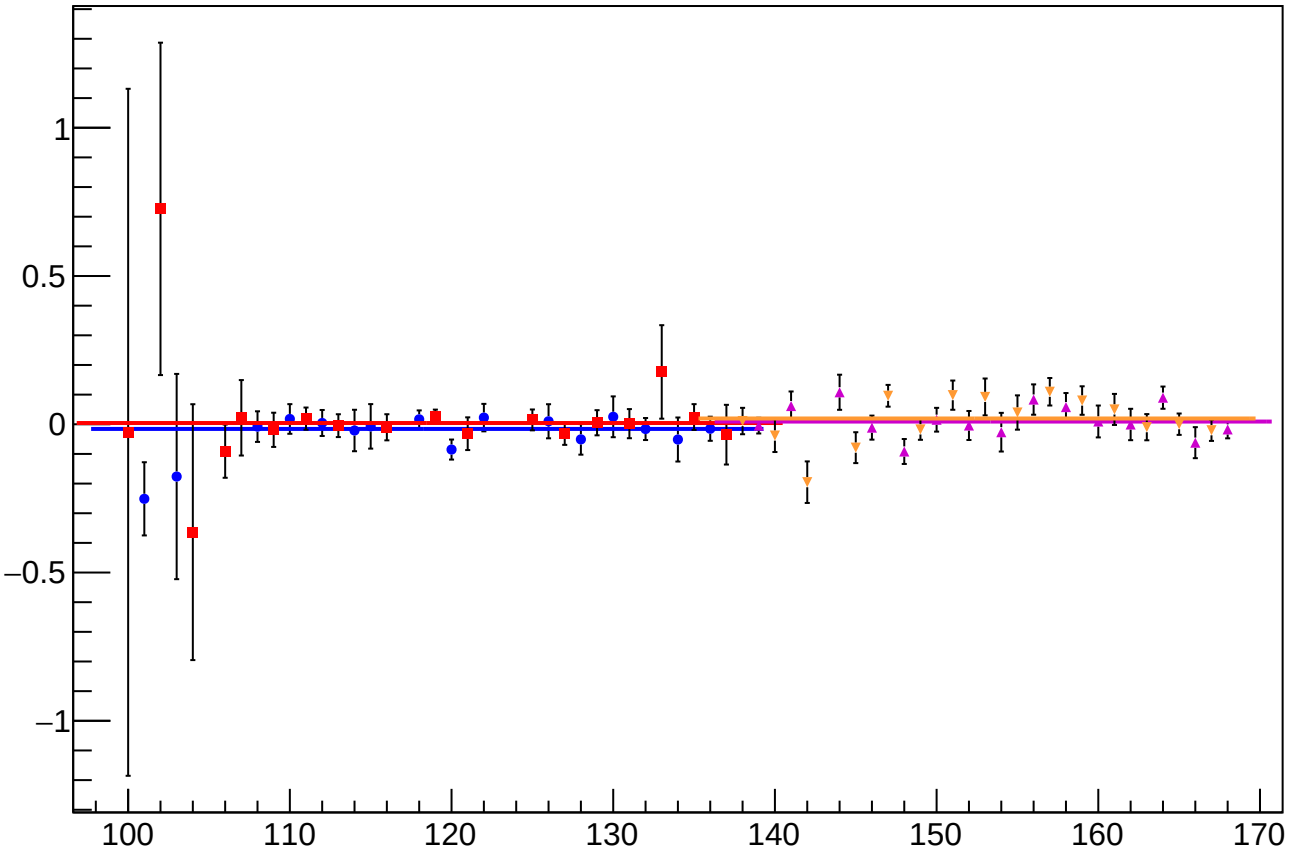
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:5434245.6/14

+ sign 0.004+/-0.000 χ^2/NDF: 8024198.7/30

All: 0.004+/-0.000 χ^2/NDF: 15688854.3/63

- sign 0.004+/-0.000 χ^2/NDF: 7601410.3/32



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.020+/-0.012 χ^2/NDF:31.2/14

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

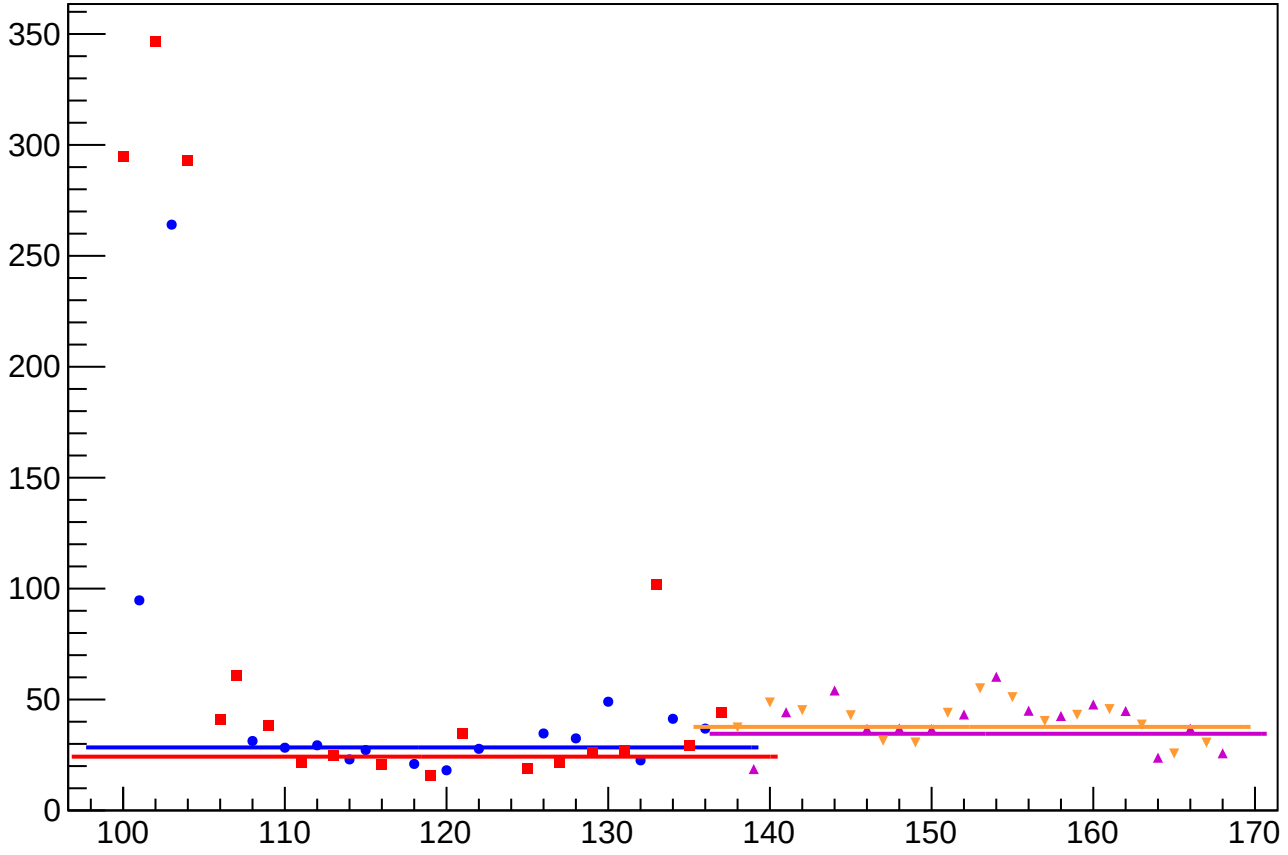
Left In: 0.009+/-0.011 χ^2/NDF:21.0/14

+ sign 0.003+/-0.008 χ^2/NDF: 47.4/30

All: 0.005+/-0.006 χ^2/NDF: 76.5/63

- sign 0.007+/-0.008 χ^2/NDF: 29.0/32

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: 37.669+/-0.008 χ^2/NDF:935992.2/14

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

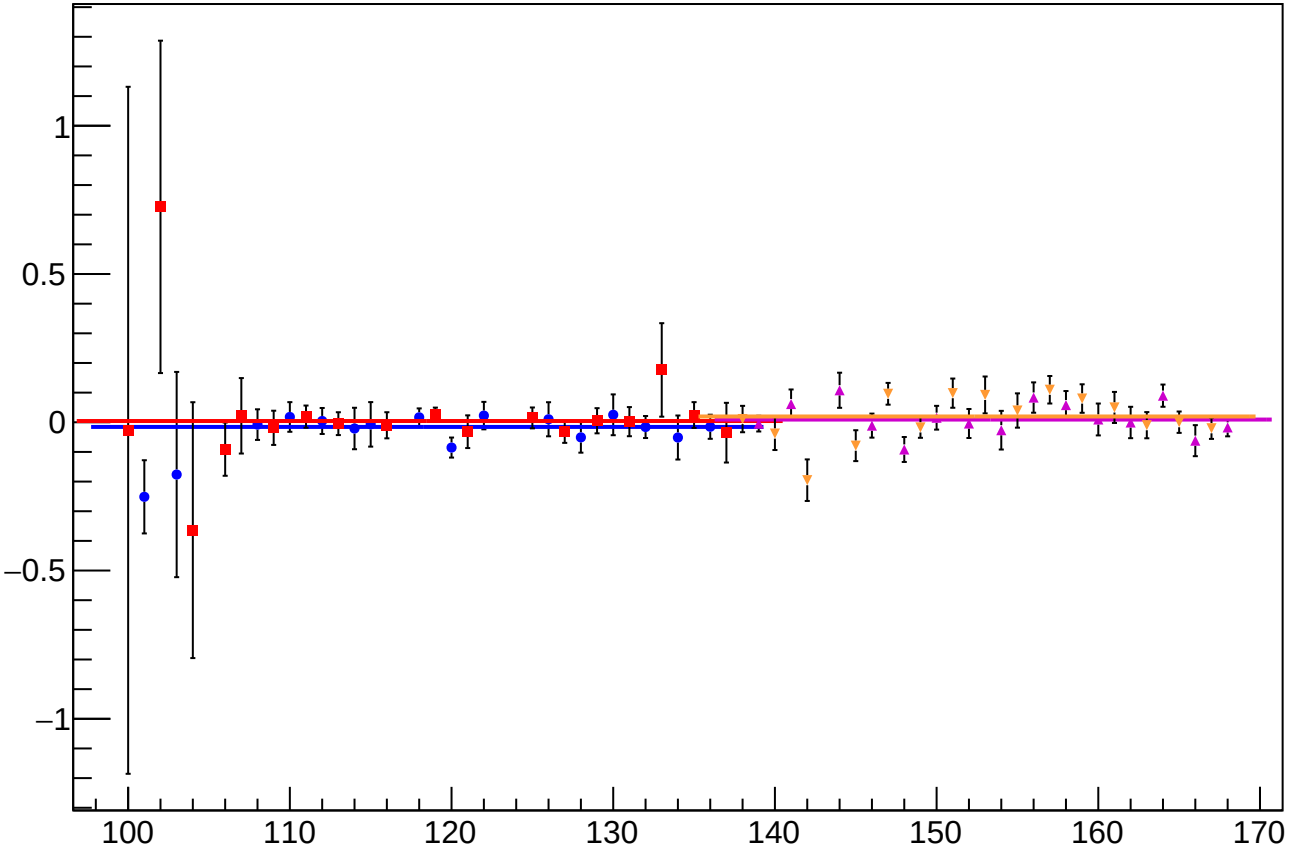
Left In: 34.564+/-0.008 χ^2/NDF:2082676.3/14

+ sign 33.254+/-0.006 χ^2/NDF: 3773645.0/30

All: 31.307+/-0.004 χ^2/NDF: 9811304.4/63

- sign 29.616+/-0.006 χ^2/NDF: 5841605.3/32

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.020+/-0.012 χ^2/NDF:31.2/14

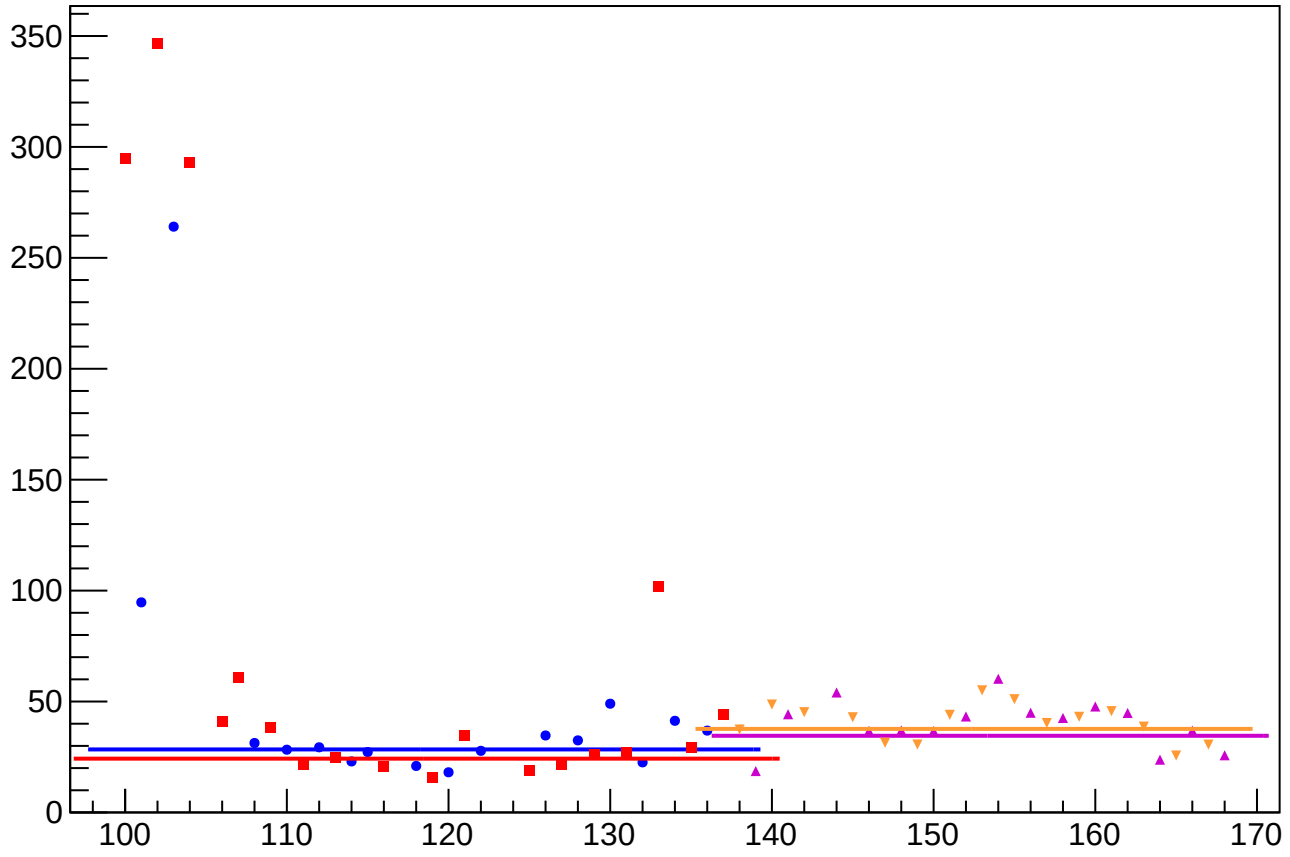
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.009+/-0.011 χ^2/NDF:21.0/14

+ sign 0.003+/-0.008 χ^2/NDF: 47.4/30

All: 0.005+/-0.006 χ^2/NDF: 76.5/63

- sign 0.007+/-0.008 χ^2/NDF: 29.0/32



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.669+/-0.008 χ^2/NDF:935992.2/14

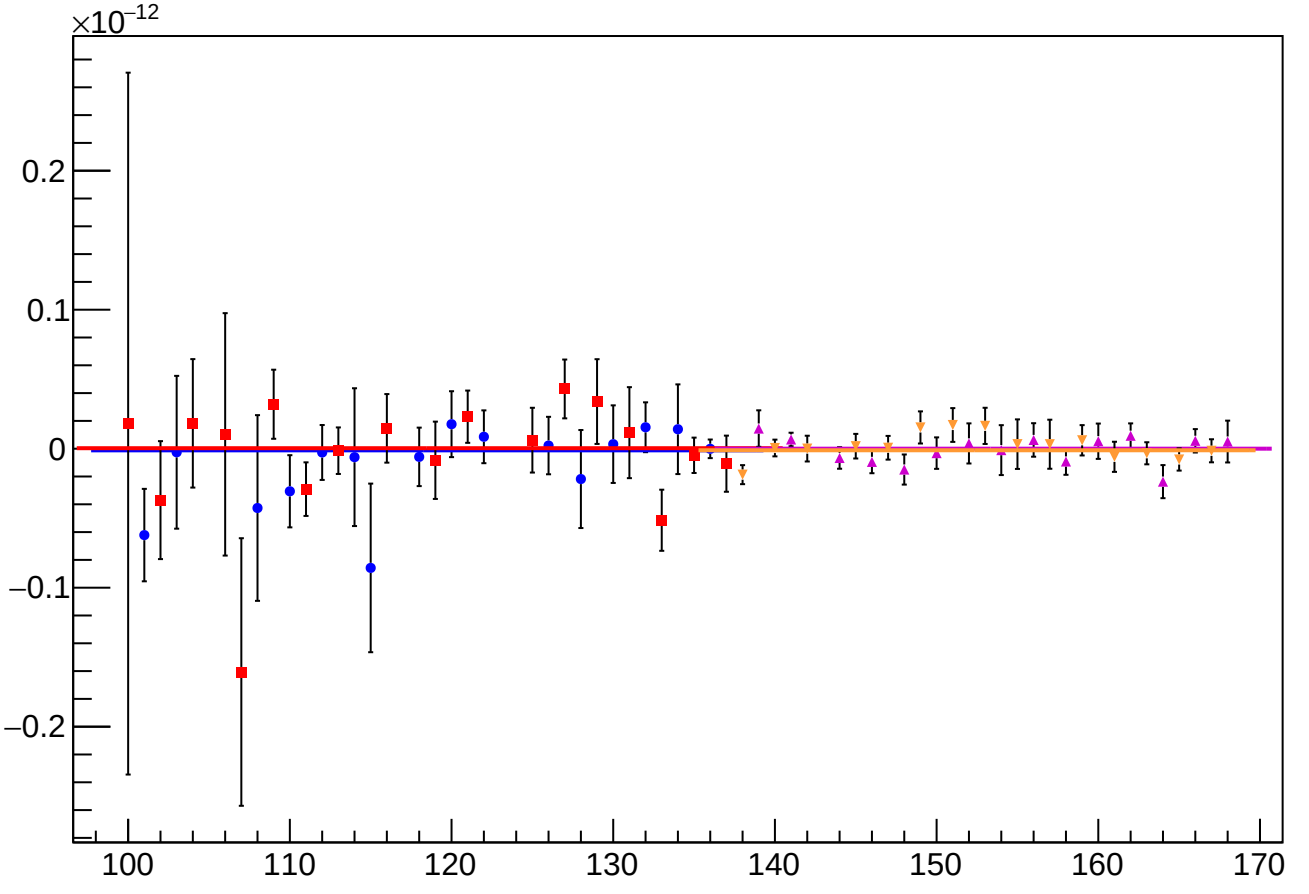
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.564+/-0.008 χ^2/NDF:2082676.3/14

+ sign 33.254+/-0.006 χ^2/NDF: 3773645.0/30

All: 31.307+/-0.004 χ^2/NDF: 9811304.4/63

- sign 29.616+/-0.006 χ^2/NDF: 5841605.3/32



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/14

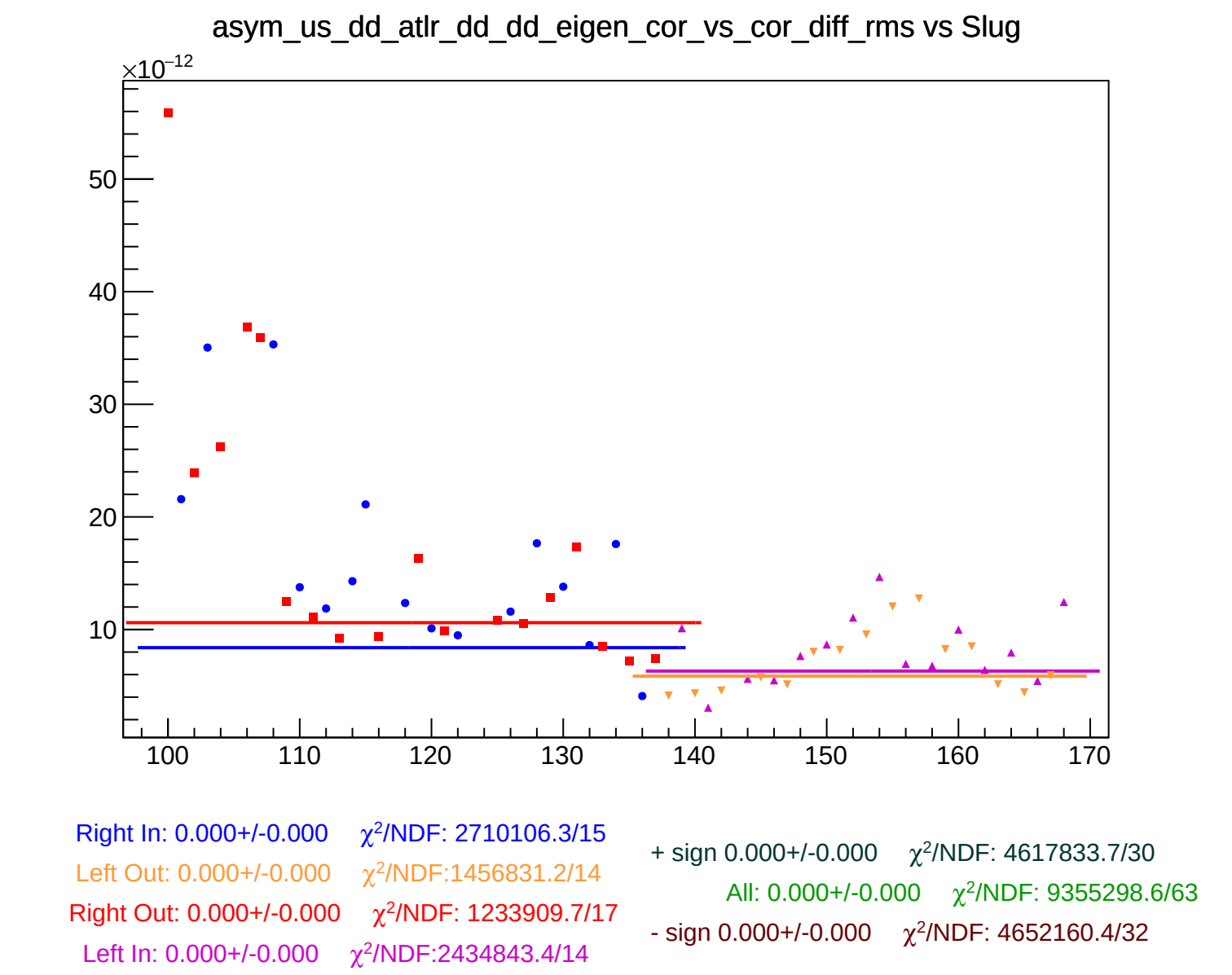
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:14.2/14

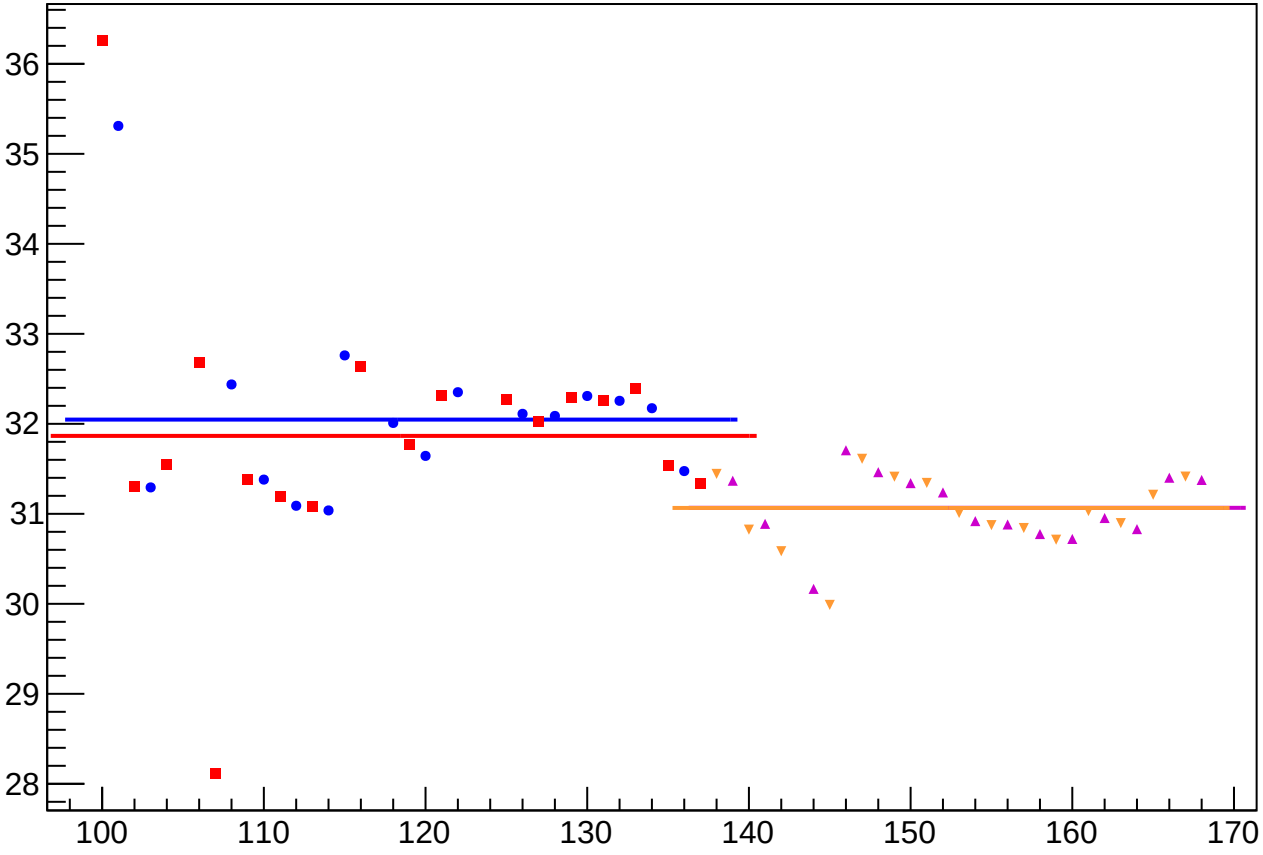
+ sign -0.000+/-0.000 χ^2/NDF: 23.8/30

All: -0.000+/-0.000 χ^2/NDF: 59.3/63

- sign 0.000+/-0.000 χ^2/NDF: 35.3/32


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:1456831.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:2434843.4/14
+ sign 0.000+/-0.000 χ²/NDF: 4617833.7/30
All: 0.000+/-0.000 χ²/NDF: 9355298.6/63
- sign 0.000+/-0.000 χ²/NDF: 4652160.4/32

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.065+/-0.000 χ^2/NDF:237994866.9/14

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

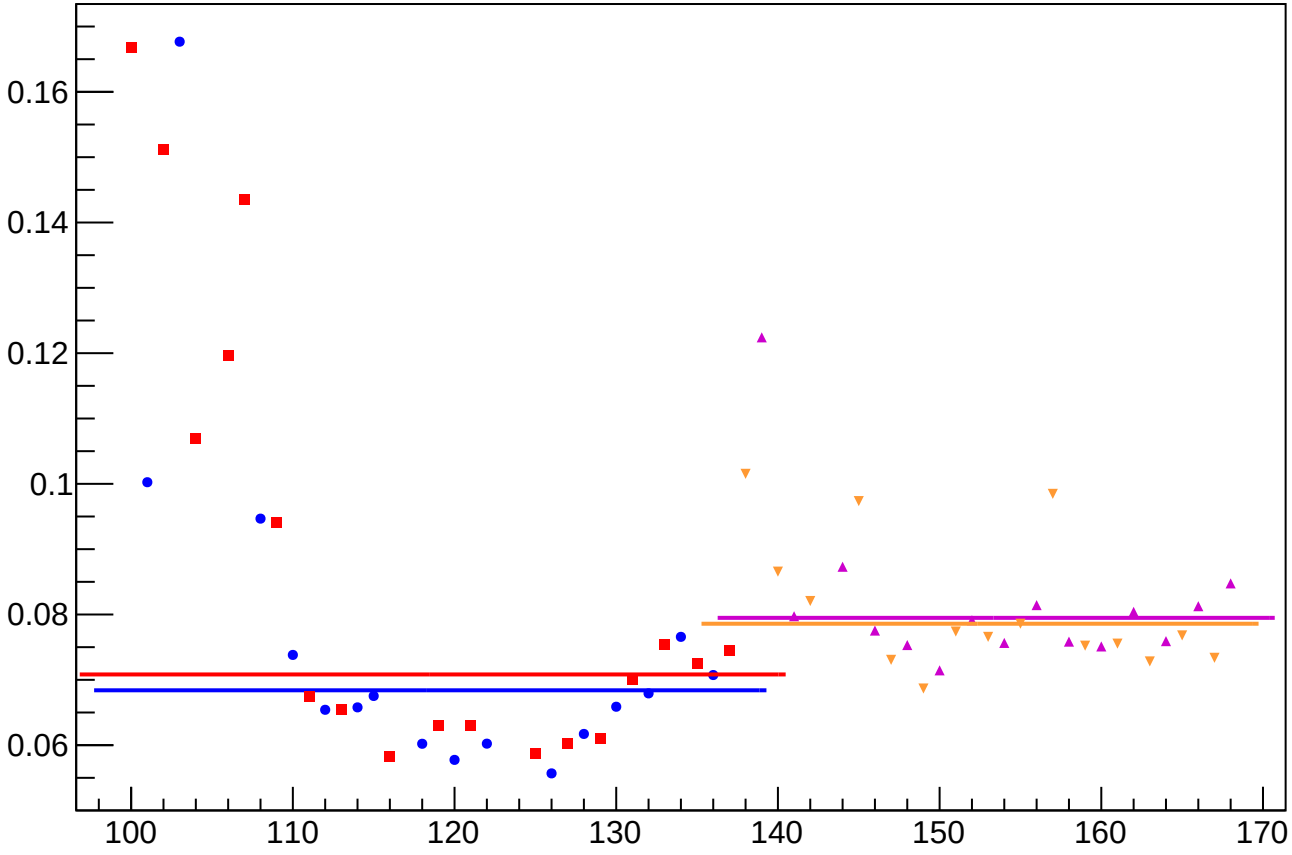
Left In: 31.067+/-0.000 χ^2/NDF:245742490.5/14

+ sign 31.497+/-0.000 χ^2/NDF: 1859216853.0/30

All: 31.448+/-0.000 χ^2/NDF: 3070031361.8/6

- sign 31.398+/-0.000 χ^2/NDF: 1196044778.8/32

yield_usl_rms vs Slug



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.079+/-0.000 χ^2/NDF:263759.8/14

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

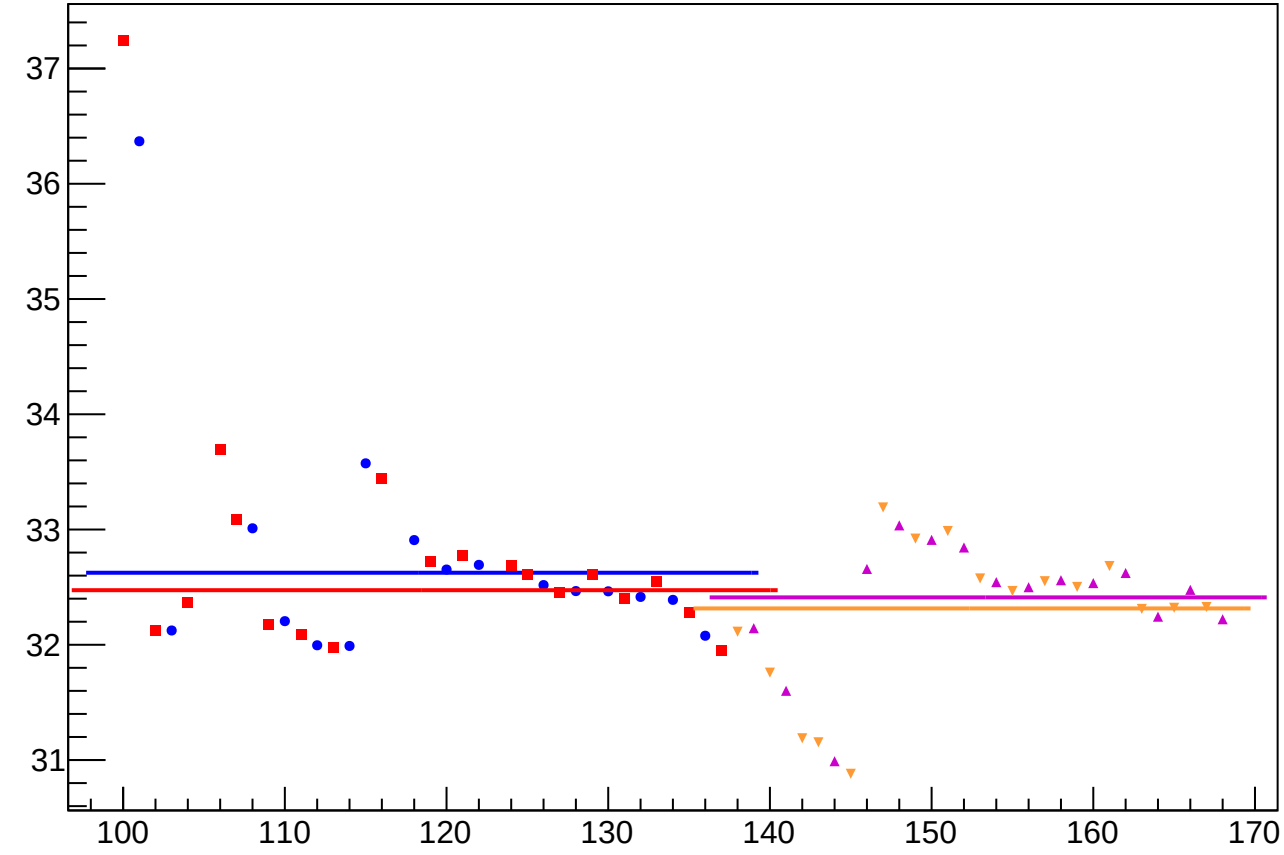
Left In: 0.079+/-0.000 χ^2/NDF:256393.8/14

+ sign 0.074+/-0.000 χ^2/NDF: 1122660.0/30

All: 0.075+/-0.000 χ^2/NDF: 2366073.6/63

- sign 0.076+/-0.000 χ^2/NDF: 1233753.1/32

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.315+/-0.000 χ^2/NDF:773299205.5/15

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

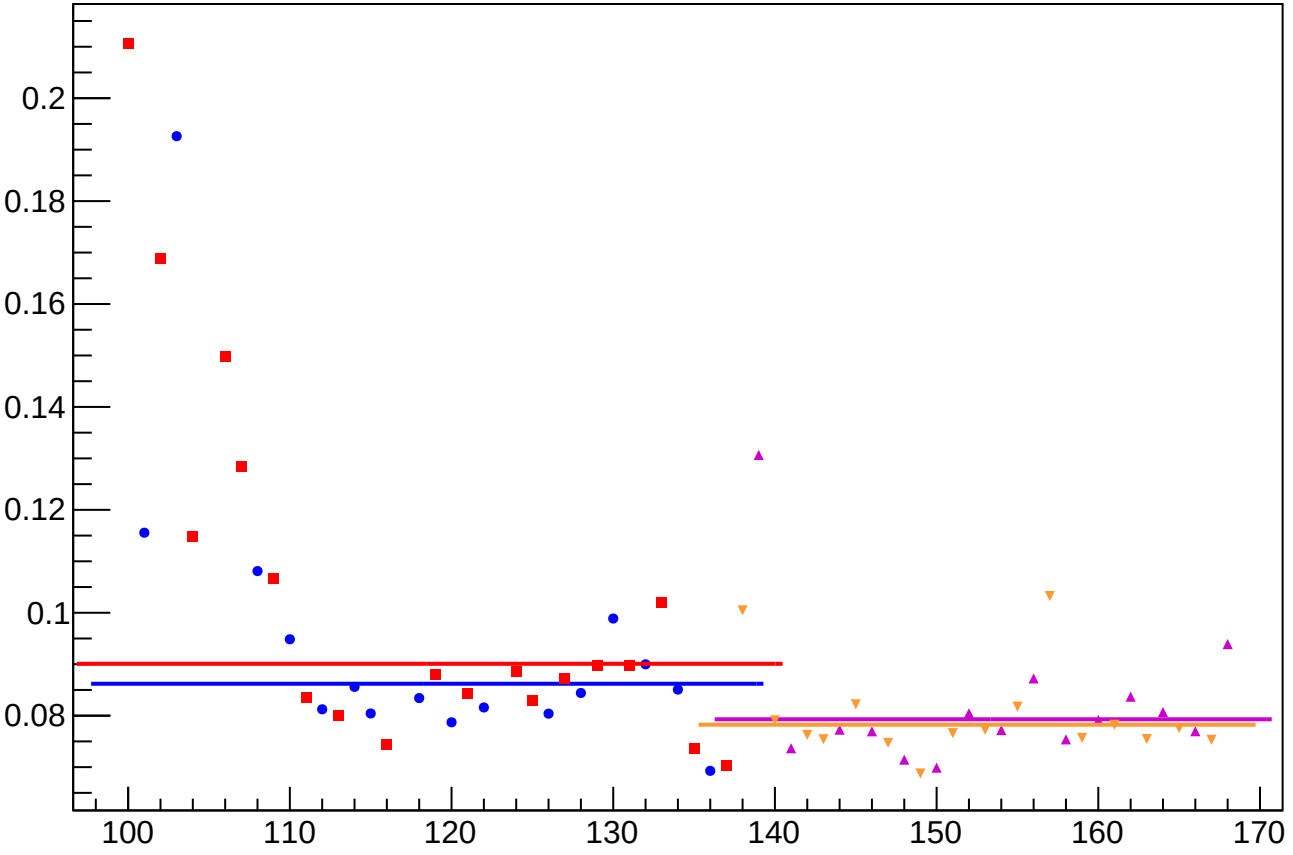
Left In: 32.411+/-0.000 χ^2/NDF:531333712.9/14

+ sign 32.412+/-0.000 χ^2/NDF: 1568090413.2/31

All: 32.421+/-0.000 χ^2/NDF: 2258799616.8/6

- sign 32.430+/-0.000 χ^2/NDF: 690275445.1/33

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.078+/-0.000 χ^2/NDF:200193.6/15

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

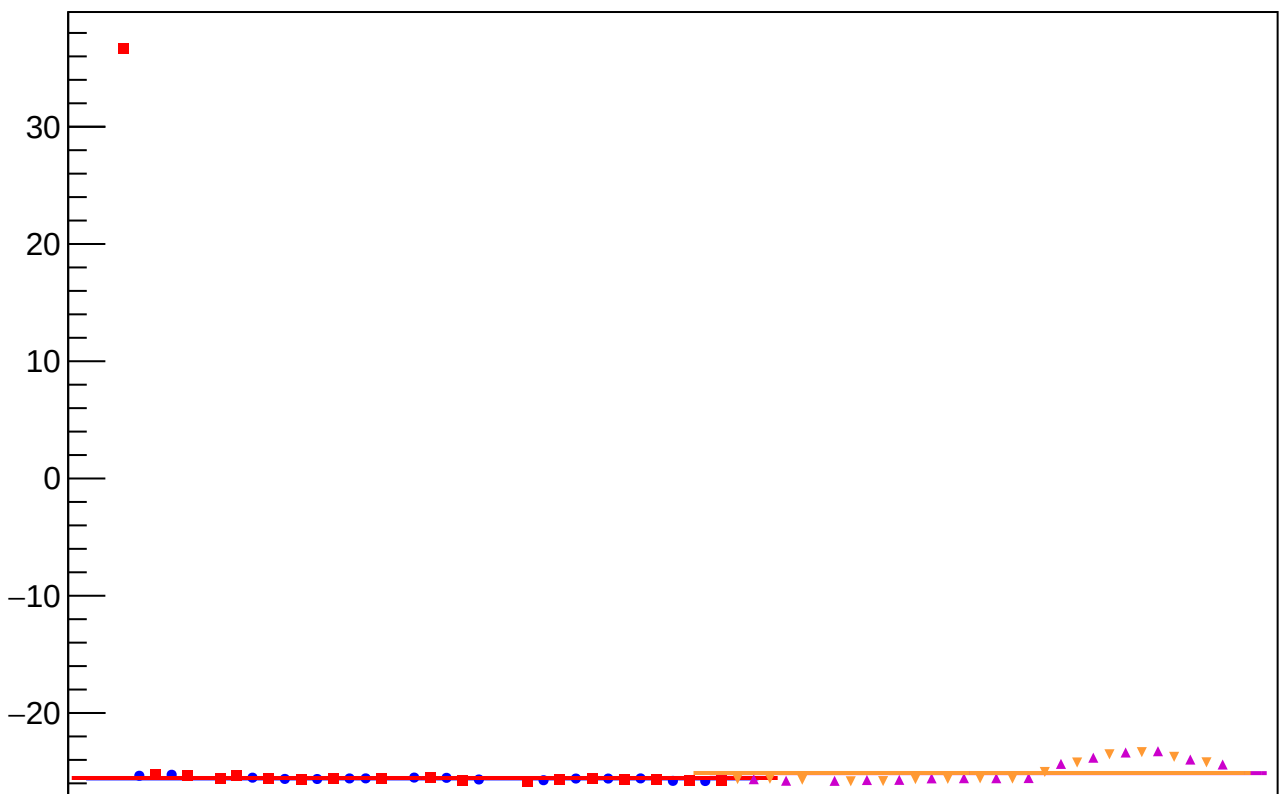
Left In: 0.079+/-0.000 χ^2/NDF:375791.0/14

+ sign 0.081+/-0.000 χ^2/NDF: 872378.1/31

All: 0.082+/-0.000 χ^2/NDF: 2007263.1/65

- sign 0.083+/-0.000 χ^2/NDF: 1125633.4/33

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.116+/-0.000 χ^2/NDF:4085394596.8/14

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

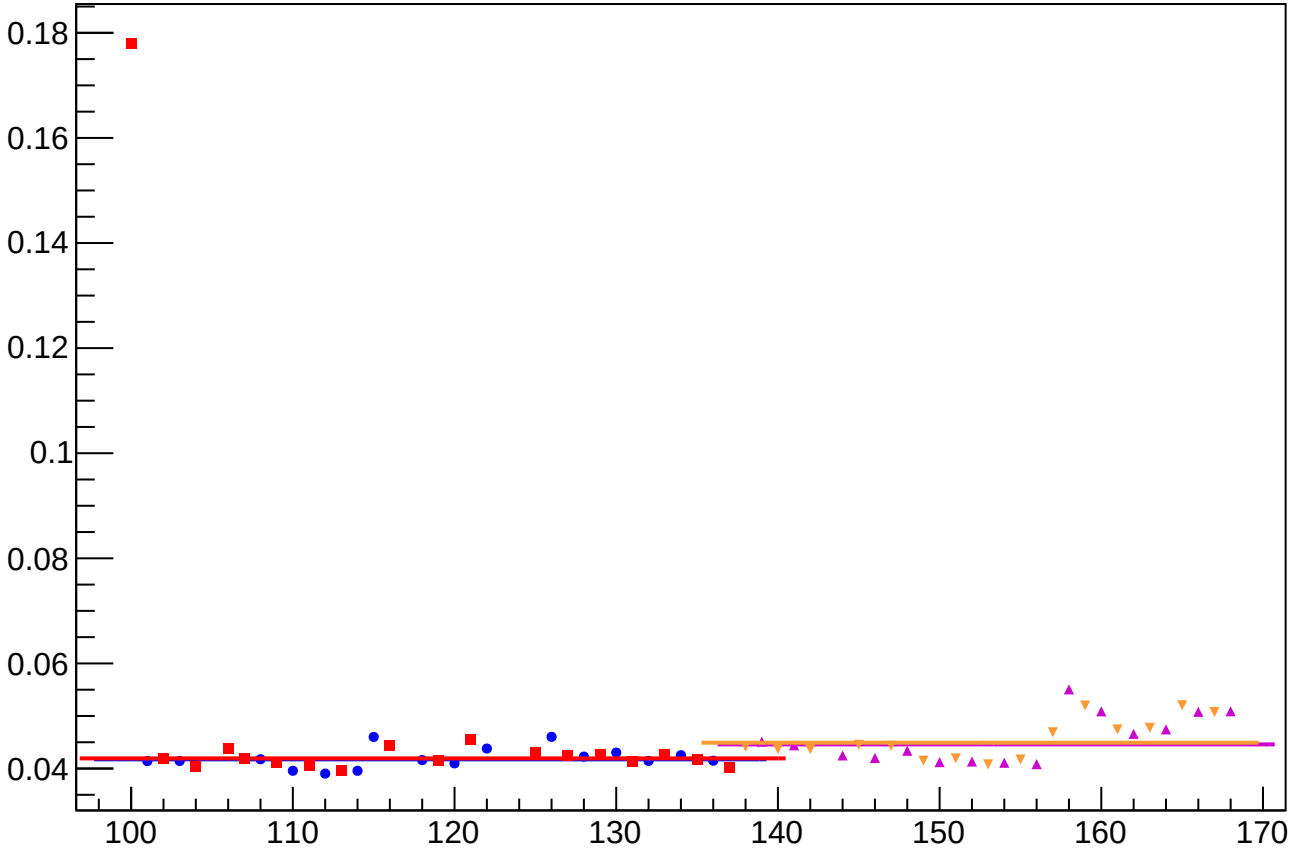
Left In: -25.129+/-0.000 χ^2/NDF:4407038097.8/14

+ sign -25.310+/-0.000 χ^2/NDF: 4694930833.7/30

All: -25.303+/-0.000 χ^2/NDF: 18431503647.0

- sign -25.297+/-0.000 χ^2/NDF: 13735684028.4/32

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.045+/-0.000 χ^2/NDF:134963.5/14

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

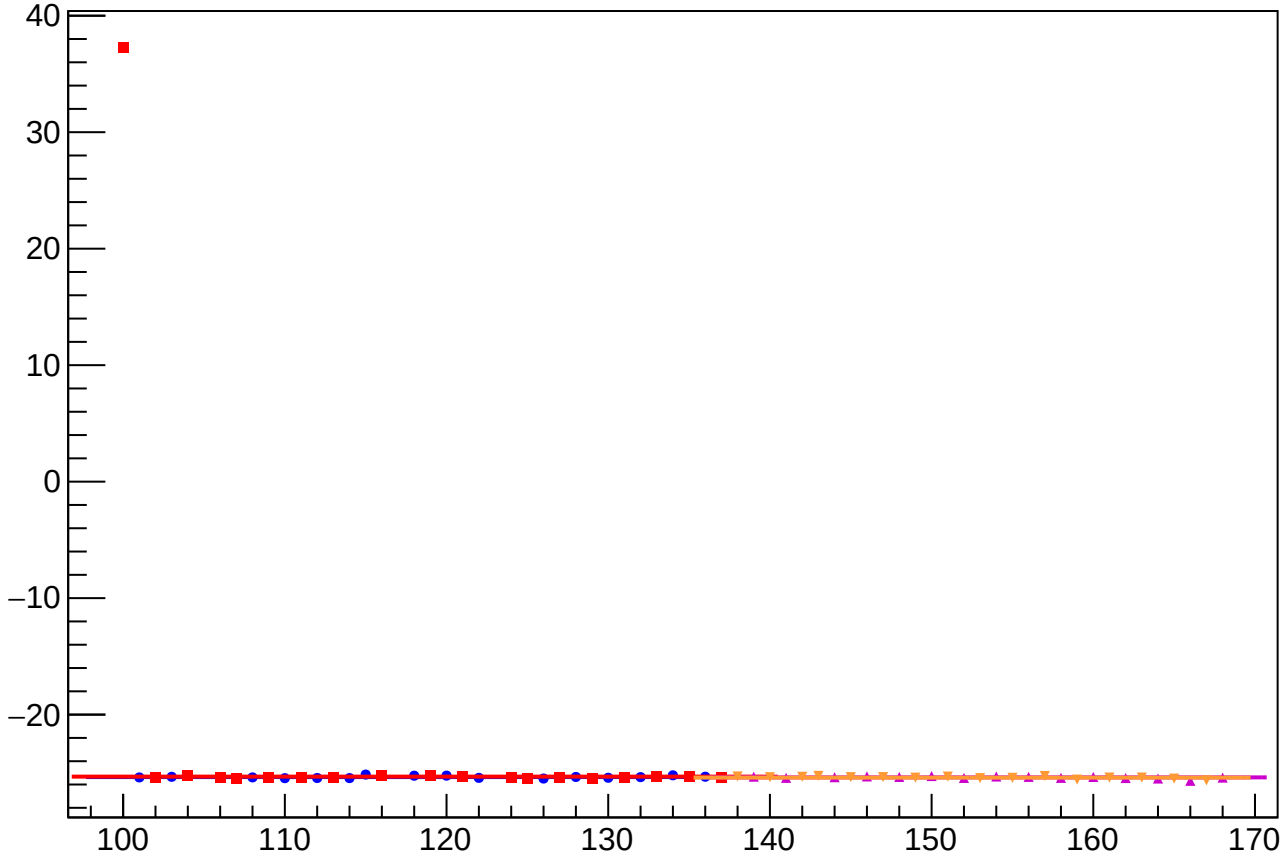
Left In: 0.045+/-0.000 χ^2/NDF:197098.1/14

+ sign 0.044+/-0.000 χ^2/NDF: 203551.7/30

All: 0.044+/-0.000 χ^2/NDF: 535622.0/63

- sign 0.044+/-0.000 χ^2/NDF: 332018.1/32

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.406+/-0.000 χ^2/NDF:42197297.5/15

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

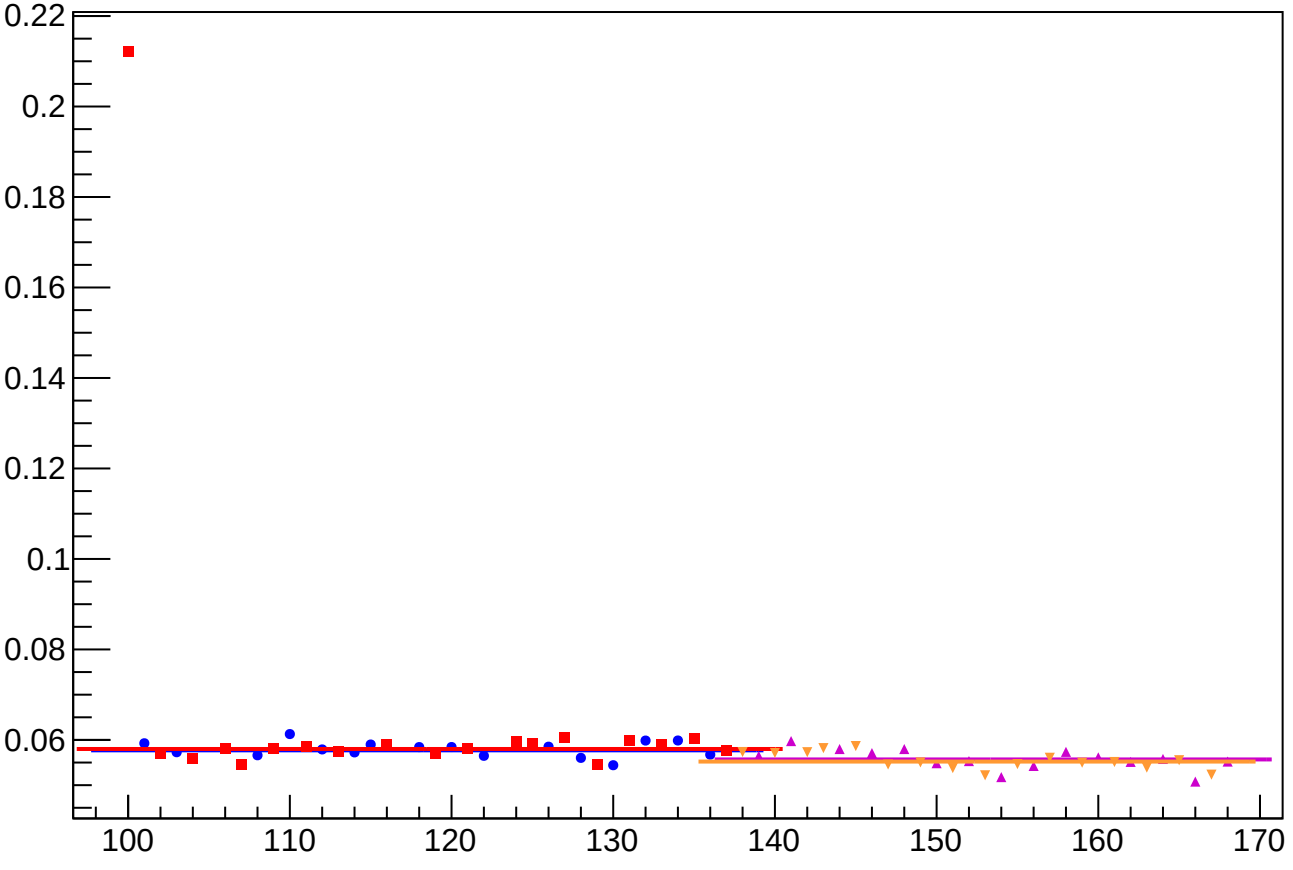
Left In: -25.388+/-0.000 χ^2/NDF:32344908.9/14

\+ sign -25.390+/-0.000 χ^2/NDF: 58368008.9/31

All: -25.377+/-0.000 χ^2/NDF: 6413613975.7/

\- sign -25.364+/-0.000 χ^2/NDF: 6353193720.3/33

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:27567.8/15

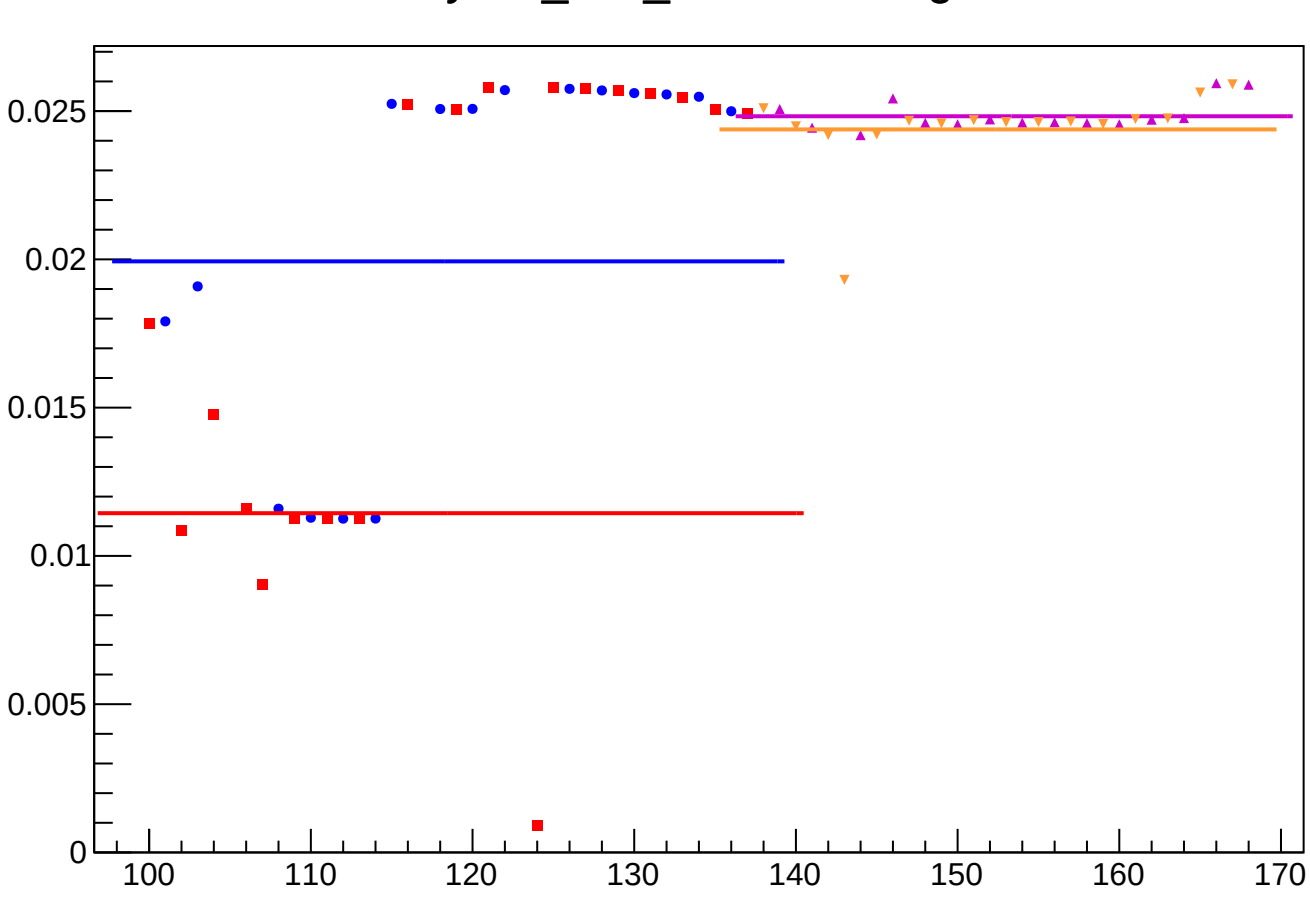
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:37821.3/14

+ sign 0.056+/-0.000 χ^2/NDF: 56285.0/31

All: 0.056+/-0.000 χ^2/NDF: 198687.4/65

- sign 0.057+/-0.000 χ^2/NDF: 141233.2/33



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:5386324089.4/15

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

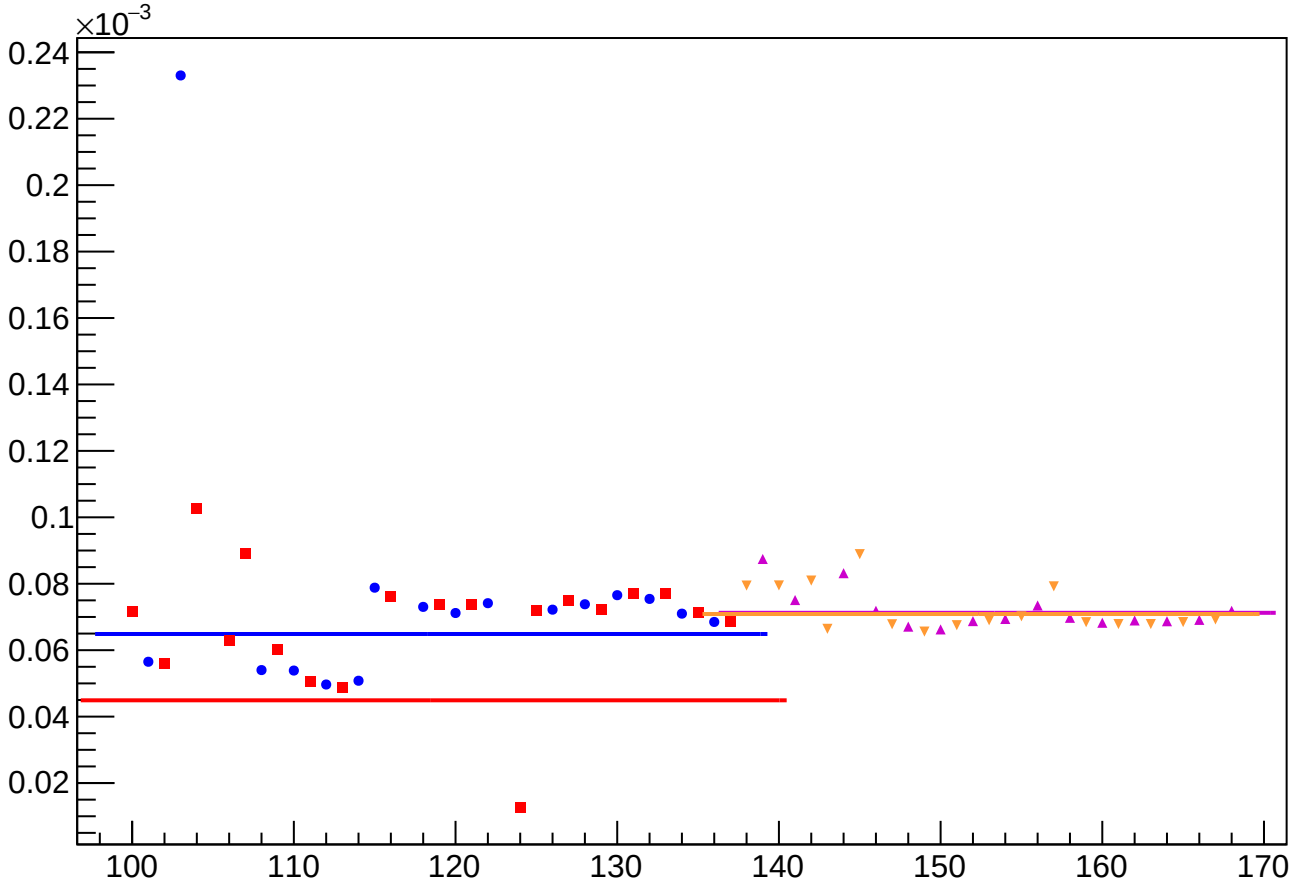
Left In: 0.025+/-0.000 χ^2/NDF:542036288.5/14

+ sign 0.023+/-0.000 χ^2/NDF: 86665098650.6/31

All: 0.020+/-0.000 χ^2/NDF: 609309556321.6

- sign 0.018+/-0.000 χ^2/NDF: 473941406780.3/33

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:168264.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

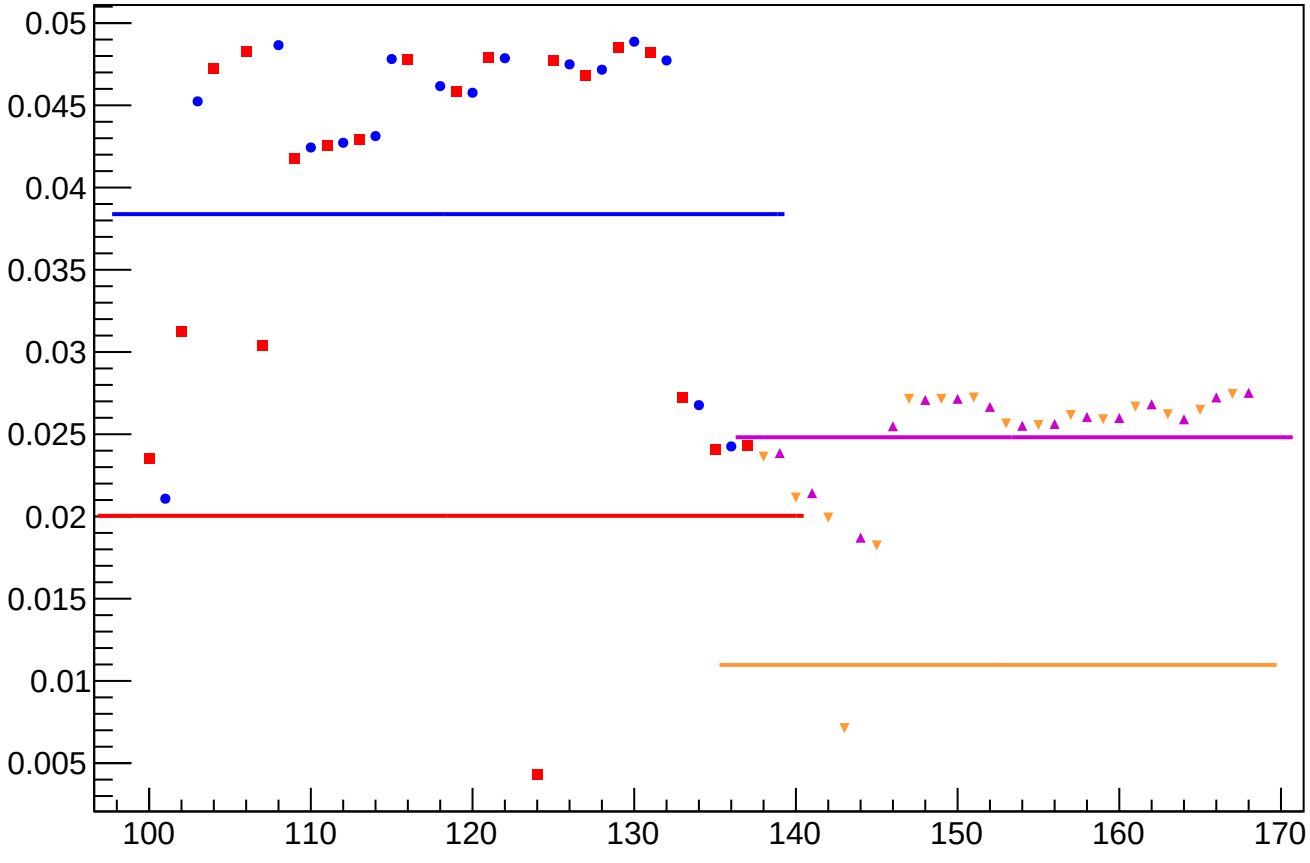
Left In: 0.000+/-0.000 χ^2/NDF:125672.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 1053917.1/31

All: 0.000+/-0.000 χ^2/NDF: 7167587.3/65

- sign 0.000+/-0.000 χ^2/NDF: 5596667.5/33

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:30588269269.2/15

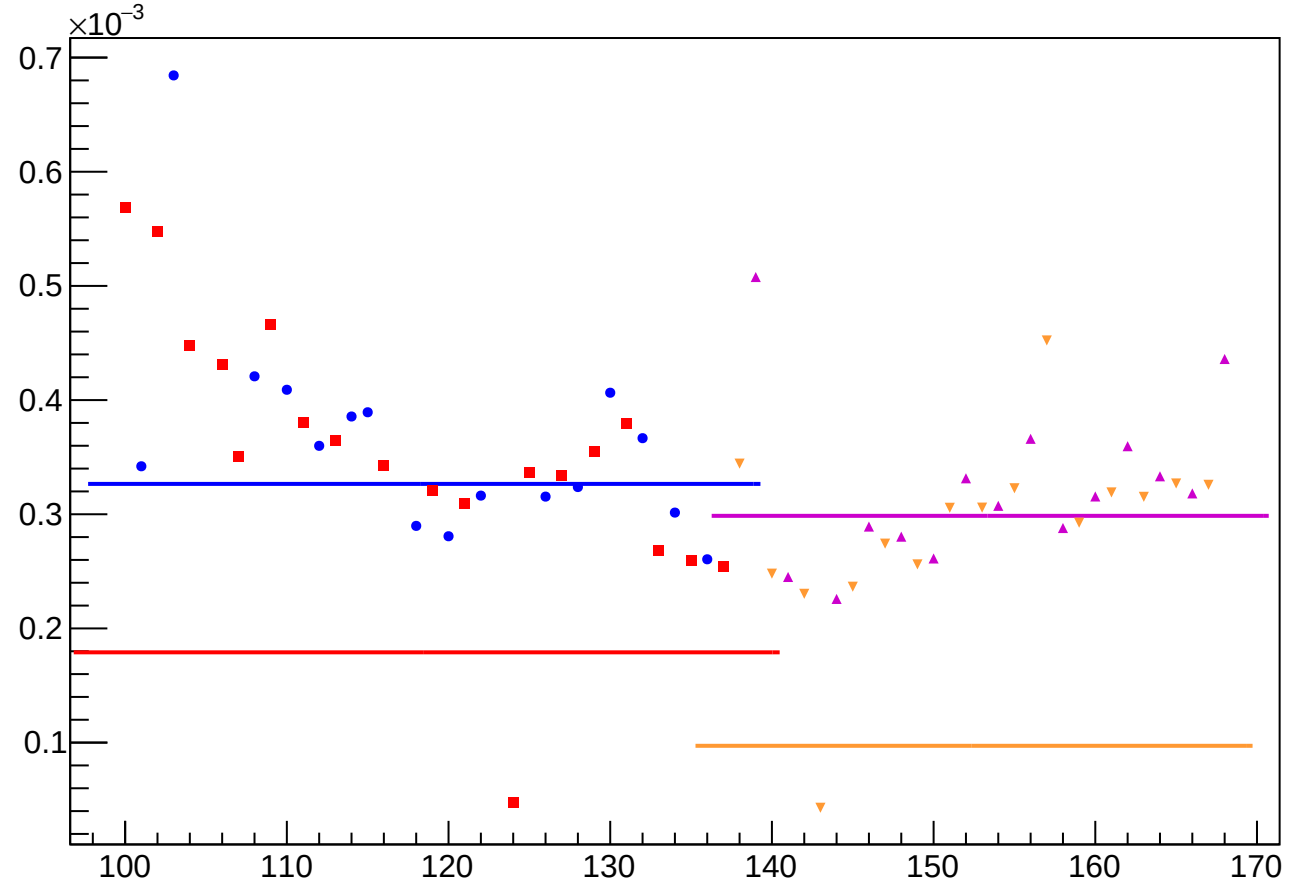
Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.025+/-0.000 χ^2/NDF:1010470650.2/14

+ sign 0.014+/-0.000 χ^2/NDF: 77878277161.4/31

All: 0.016+/-0.000 χ^2/NDF: 136077345997.0

- sign 0.022+/-0.000 χ^2/NDF: 44587696353.8/33



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:12190716.4/15

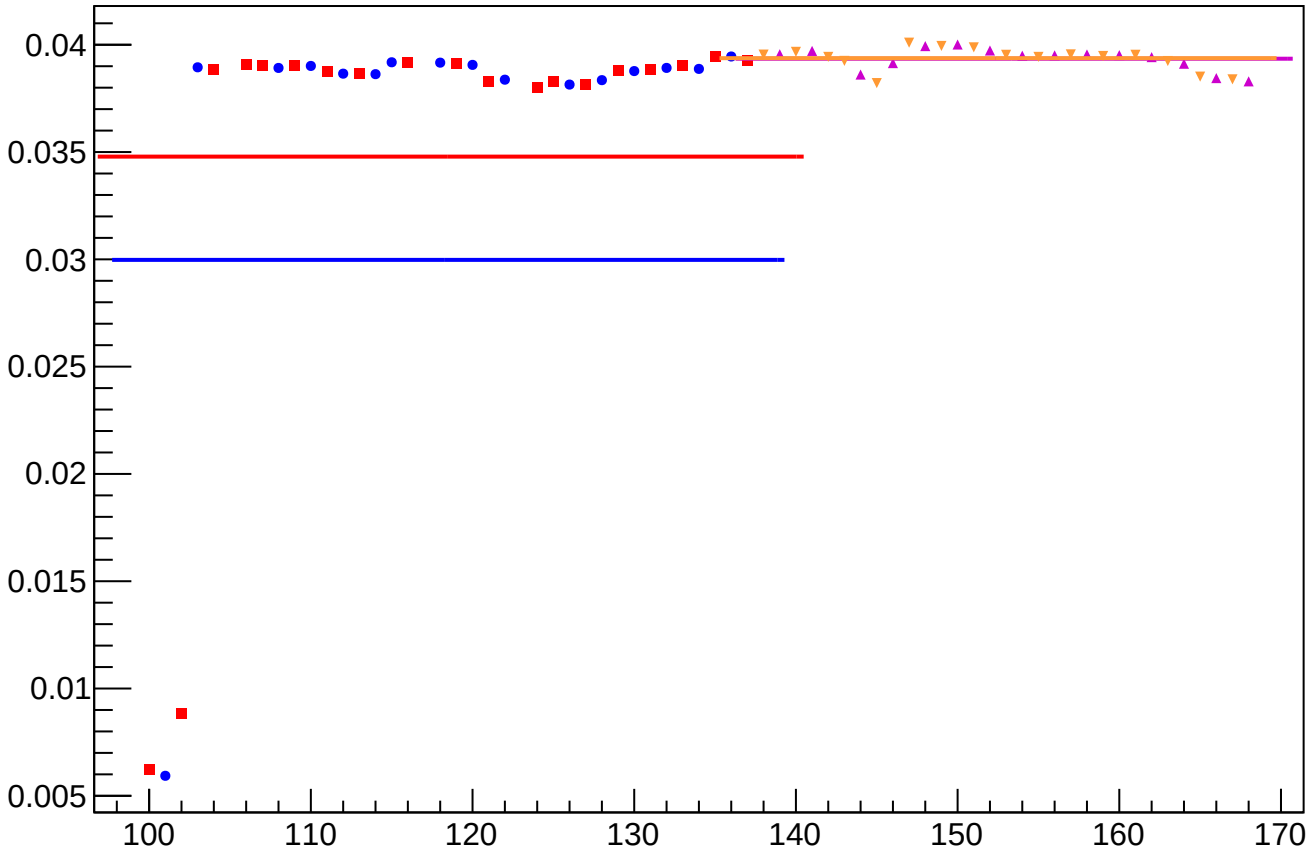
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

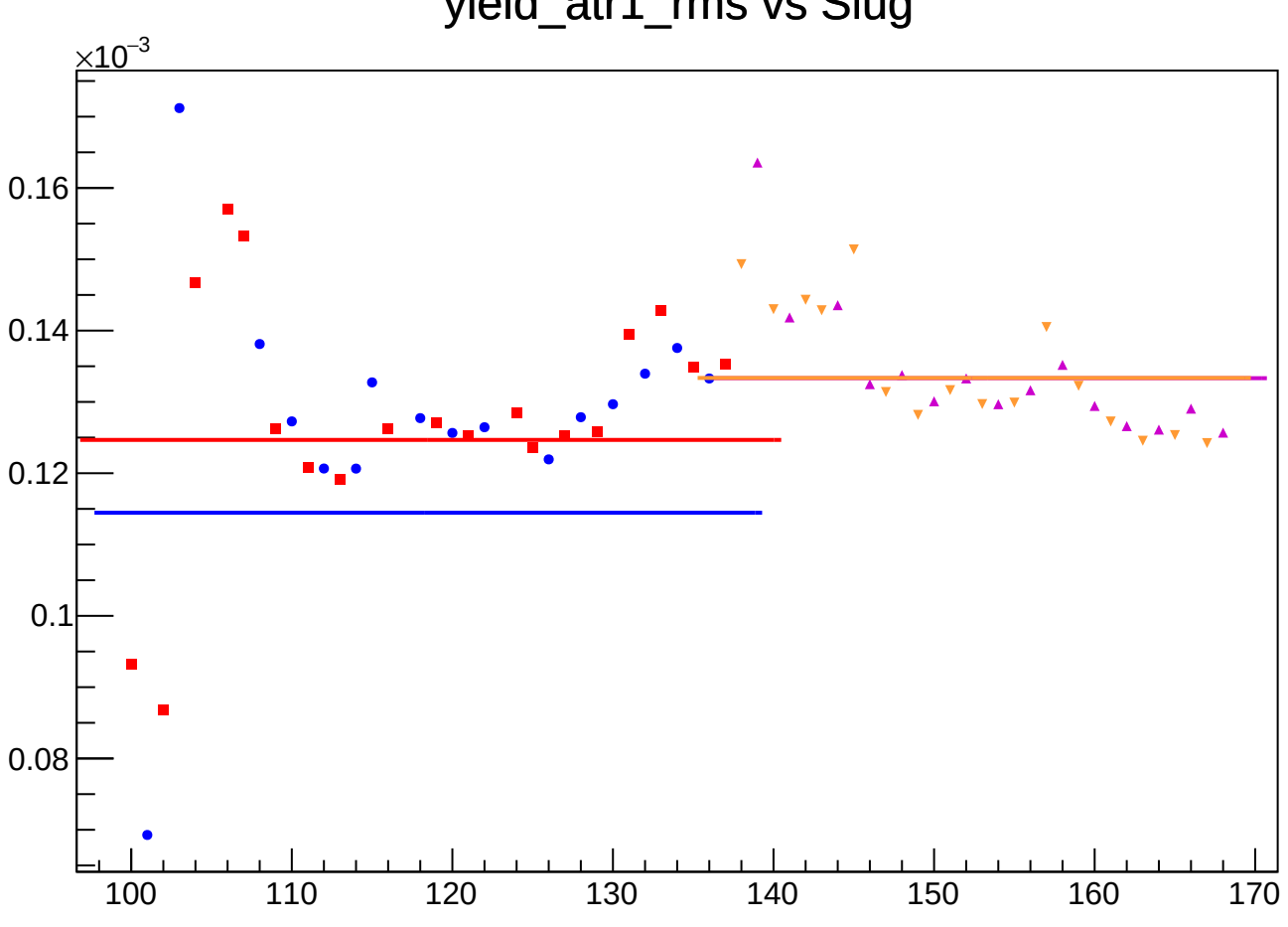
Left In: 0.000+/-0.000 χ^2/NDF:845252.7/14

+ sign 0.000+/-0.000 χ^2/NDF: 18404874.8/31

All: 0.000+/-0.000 χ^2/NDF: 31661511.4/65

- sign 0.000+/-0.000 χ^2/NDF: 8250949.2/33


yield_atr1_mean vs Slug
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.030+/-0.000 χ²/NDF: 108275706275.7/15
Left Out: 0.039+/-0.000 χ²/NDF:187794641.7/15
Right Out: 0.035+/-0.000 χ²/NDF: 47263545471.6/18
Left In: 0.039+/-0.000 χ²/NDF:172447071.0/14
+ sign 0.035+/-0.000 χ²/NDF: 134265522808.0/31
All: 0.036+/-0.000 χ²/NDF: 189989676745.4
- sign 0.038+/-0.000 χ²/NDF: 53036112243.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:93793.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

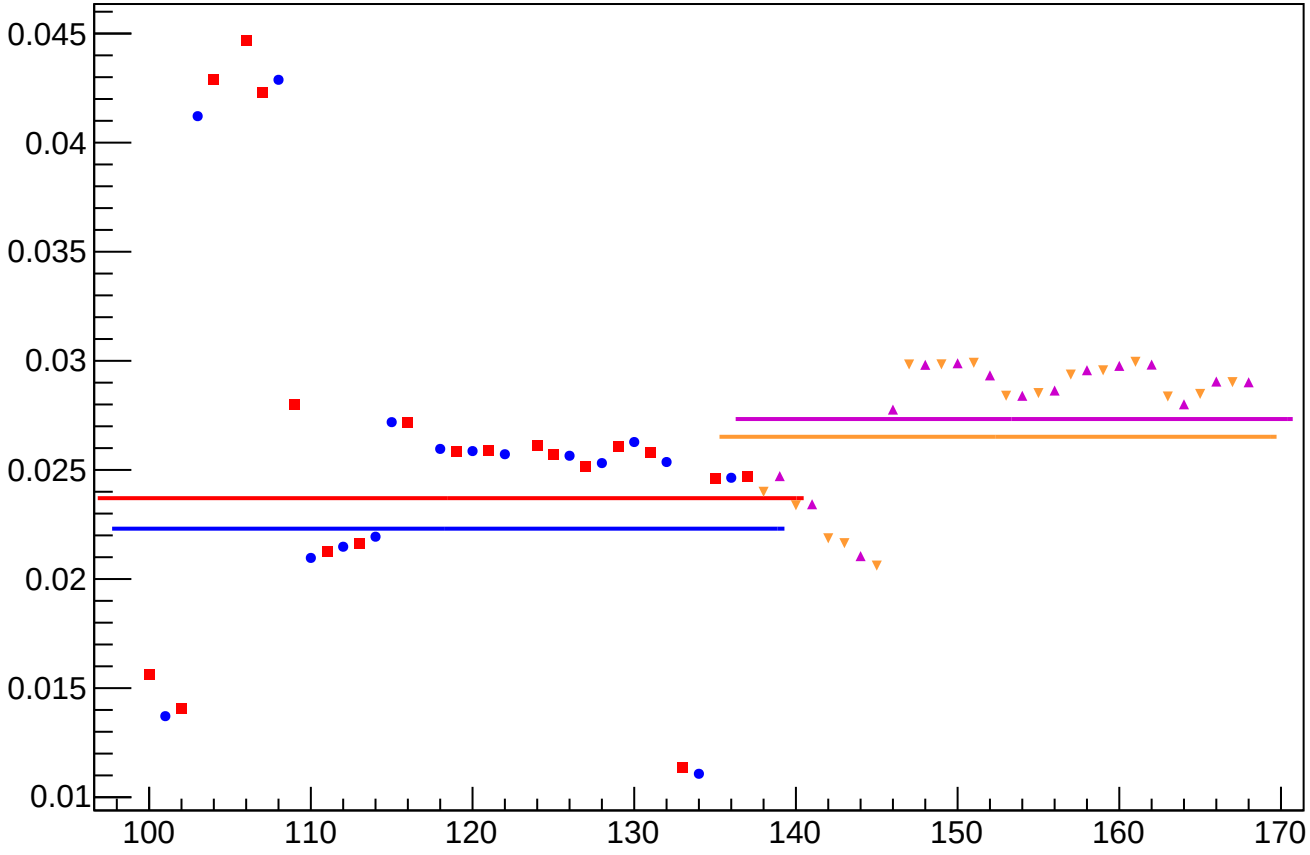
Left In: 0.000+/-0.000 χ^2/NDF:91764.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 1155600.5/31

All: 0.000+/-0.000 χ^2/NDF: 1572090.3/65

- sign 0.000+/-0.000 χ^2/NDF: 392460.1/33

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:1847929462.2/15

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

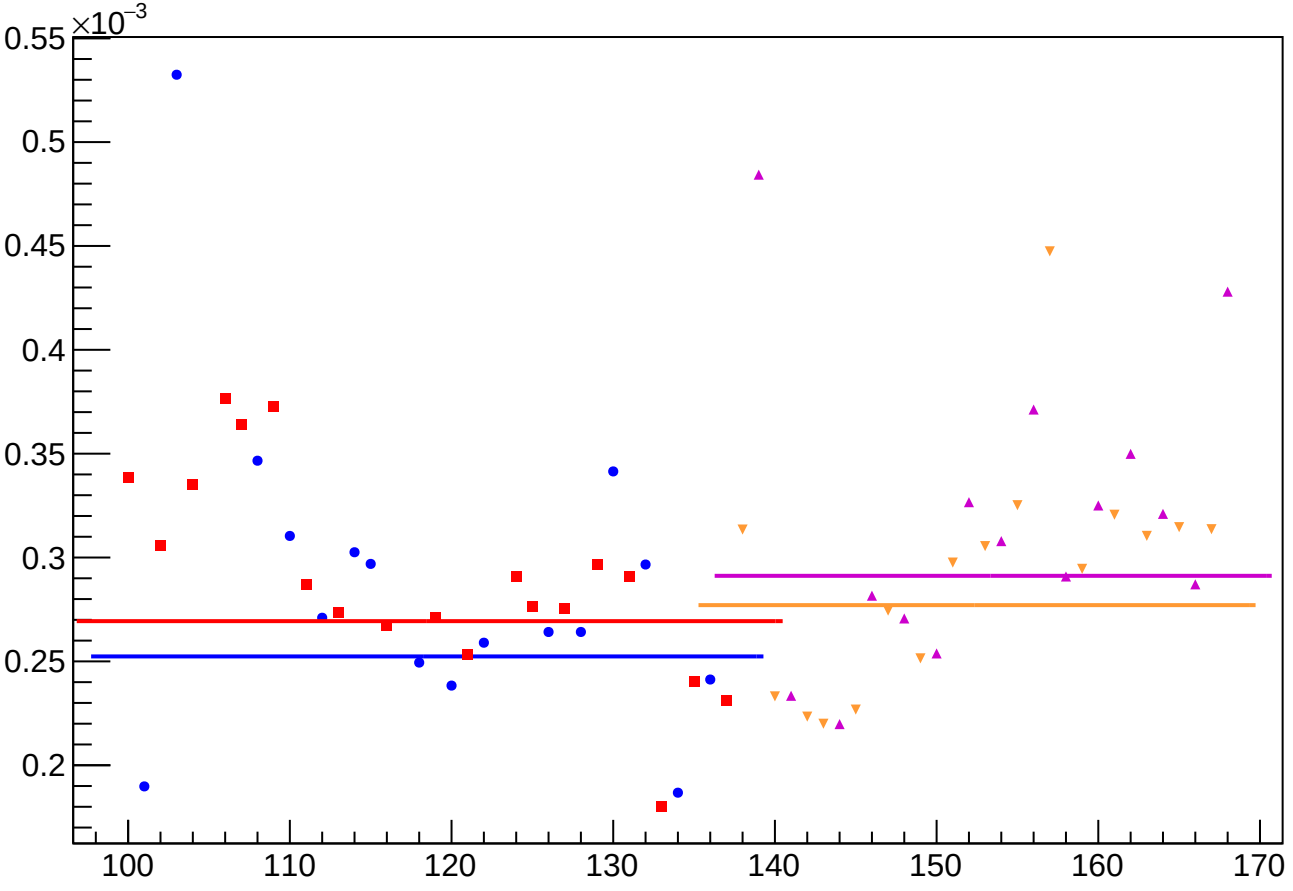
Left In: 0.027+/-0.000 χ^2/NDF:1275335091.3/14

\+ sign 0.025+/-0.000 χ^2/NDF: 7891862491.6/31

All: 0.025+/-0.000 χ^2/NDF: 15568465748.6/6

\- sign 0.026+/-0.000 χ^2/NDF: 7550951360.1/33

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:619361.6/15

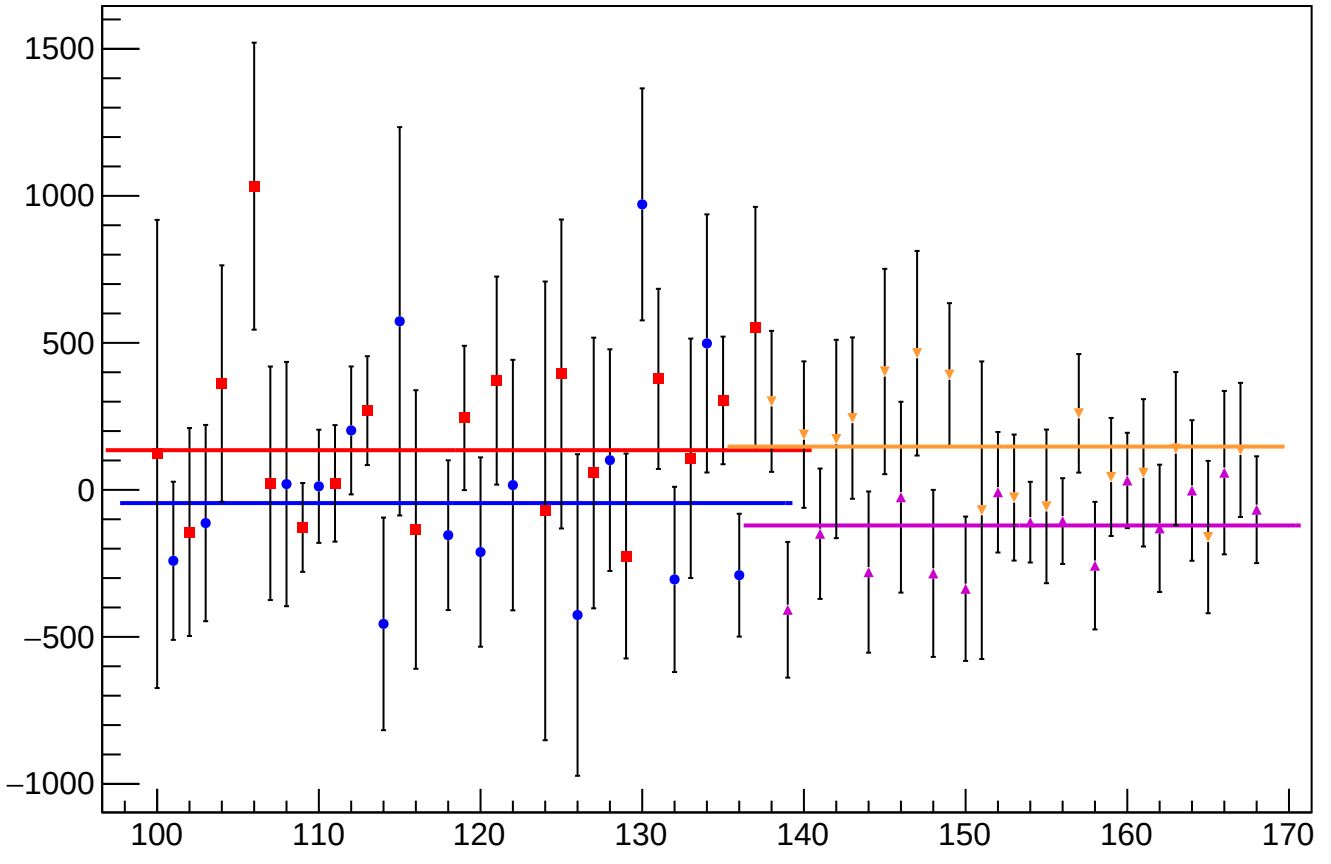
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:896634.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 1398138.0/31

All: 0.000+/-0.000 χ^2/NDF: 2844683.3/65

- sign 0.000+/-0.000 χ^2/NDF: 1393216.0/33



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 147.177+/-64.090 χ^2/NDF:6.5/15

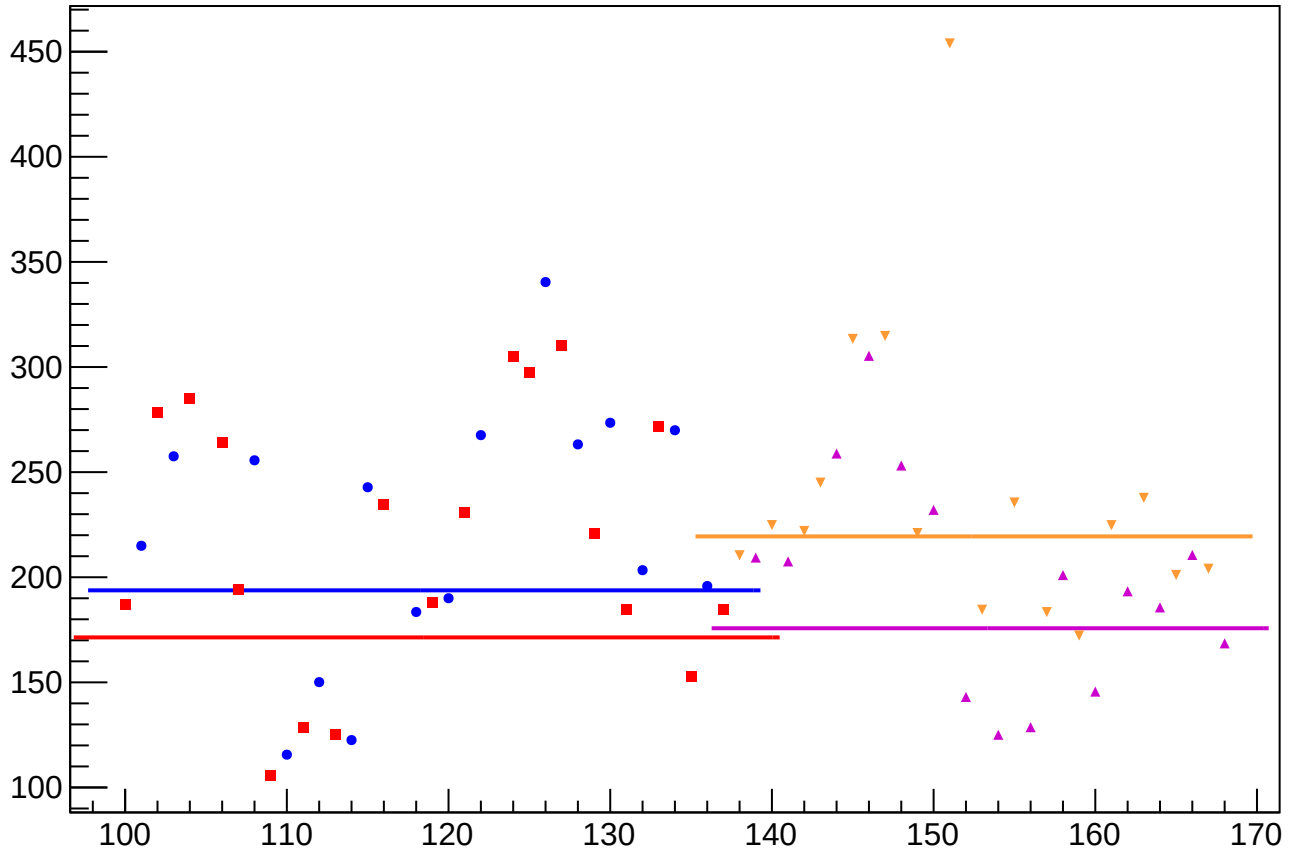
Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: -121.069+/-52.981 χ^2/NDF:5.4/14

+ sign 67.588+/-49.047 χ^2/NDF: 25.7/31

All: 14.279+/-31.817 χ^2/NDF: 54.9/65

- sign -24.453+/-41.807 χ^2/NDF: 27.2/33



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 219.432+/-0.045 χ^2/NDF:1010241.1/15

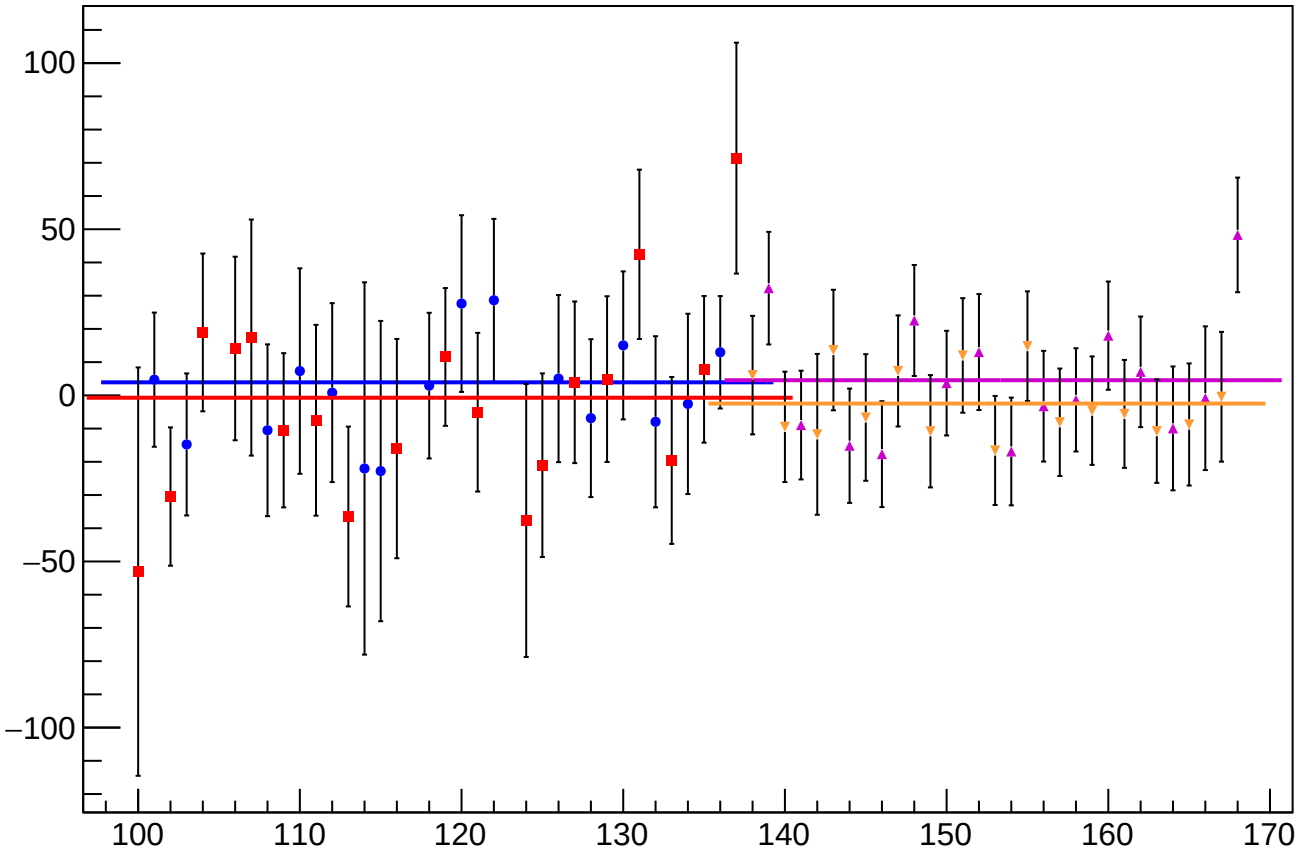
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 175.739+/-0.037 χ^2/NDF:1519379.2/14

+ sign 208.798+/-0.035 χ^2/NDF: 2191211.6/31

All: 188.699+/-0.022 χ^2/NDF: 5953678.2/65

- sign 174.095+/-0.030 χ^2/NDF: 3182563.0/33



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -2.468+/-4.337 χ^2/NDF:5.1/15

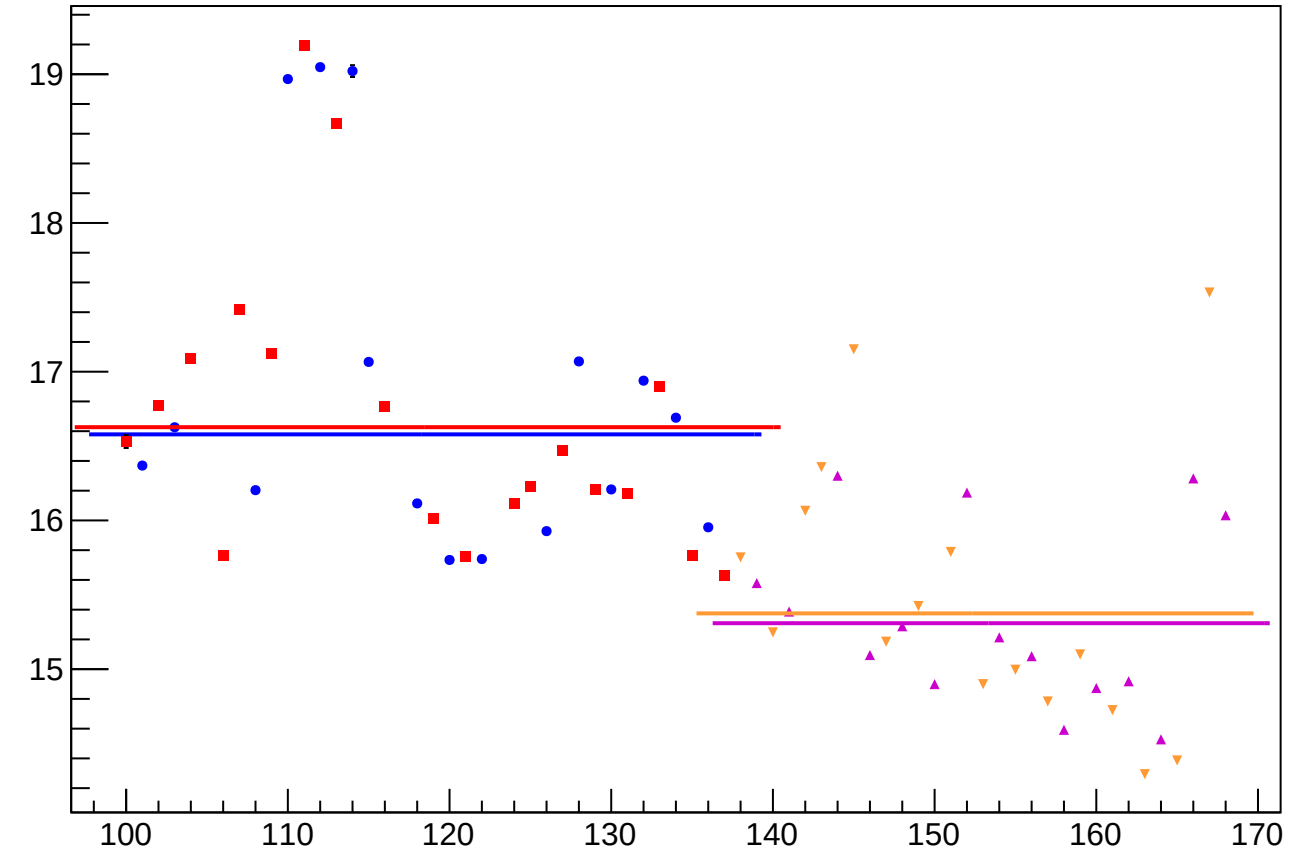
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 4.554+/-4.355 χ^2/NDF:17.9/14

\+ sign -0.355+/-3.548 χ^2/NDF: 10.3/31

All: 1.209+/-2.506 χ^2/NDF: 45.0/65

\- sign 2.766+/-3.540 χ^2/NDF: 34.3/33



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.375+/-0.003 χ^2/NDF:76339.5/15

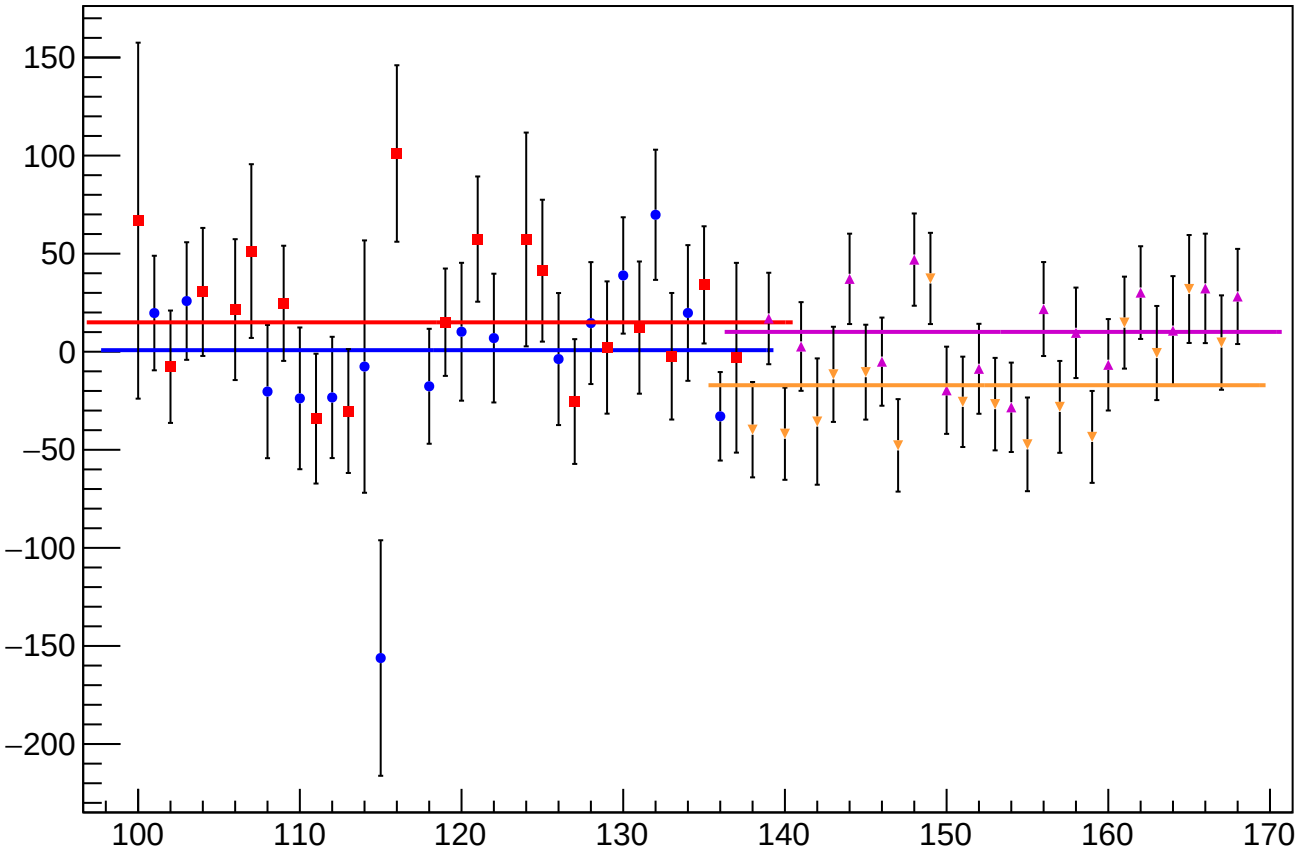
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.309+/-0.003 χ^2/NDF:32283.2/14

+ sign 15.773+/-0.003 χ^2/NDF: 171832.9/31

All: 15.765+/-0.002 χ^2/NDF: 309750.4/65

- sign 15.756+/-0.003 χ^2/NDF: 137895.2/33



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -17.082+/-6.063 χ^2/NDF:19.3/15

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

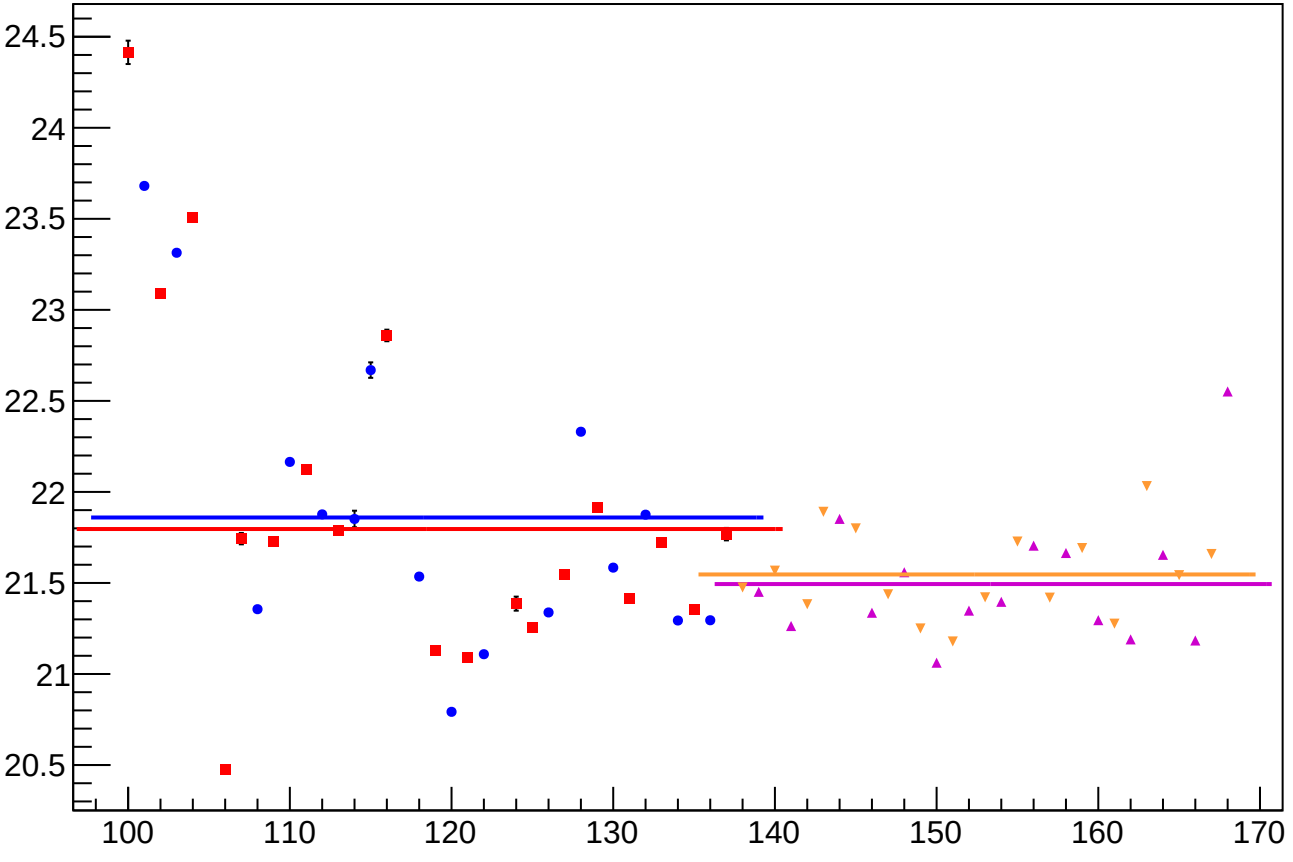
Left In: 10.108+/-6.103 χ^2/NDF:12.5/14

+ sign -10.690+/-4.859 χ^2/NDF: 41.1/31

All: 0.652+/-3.430 χ^2/NDF: 80.0/65

- sign 11.914+/-4.842 χ^2/NDF: 28.1/33

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: 21.547+/-0.004 χ^2/NDF:3004.4/15

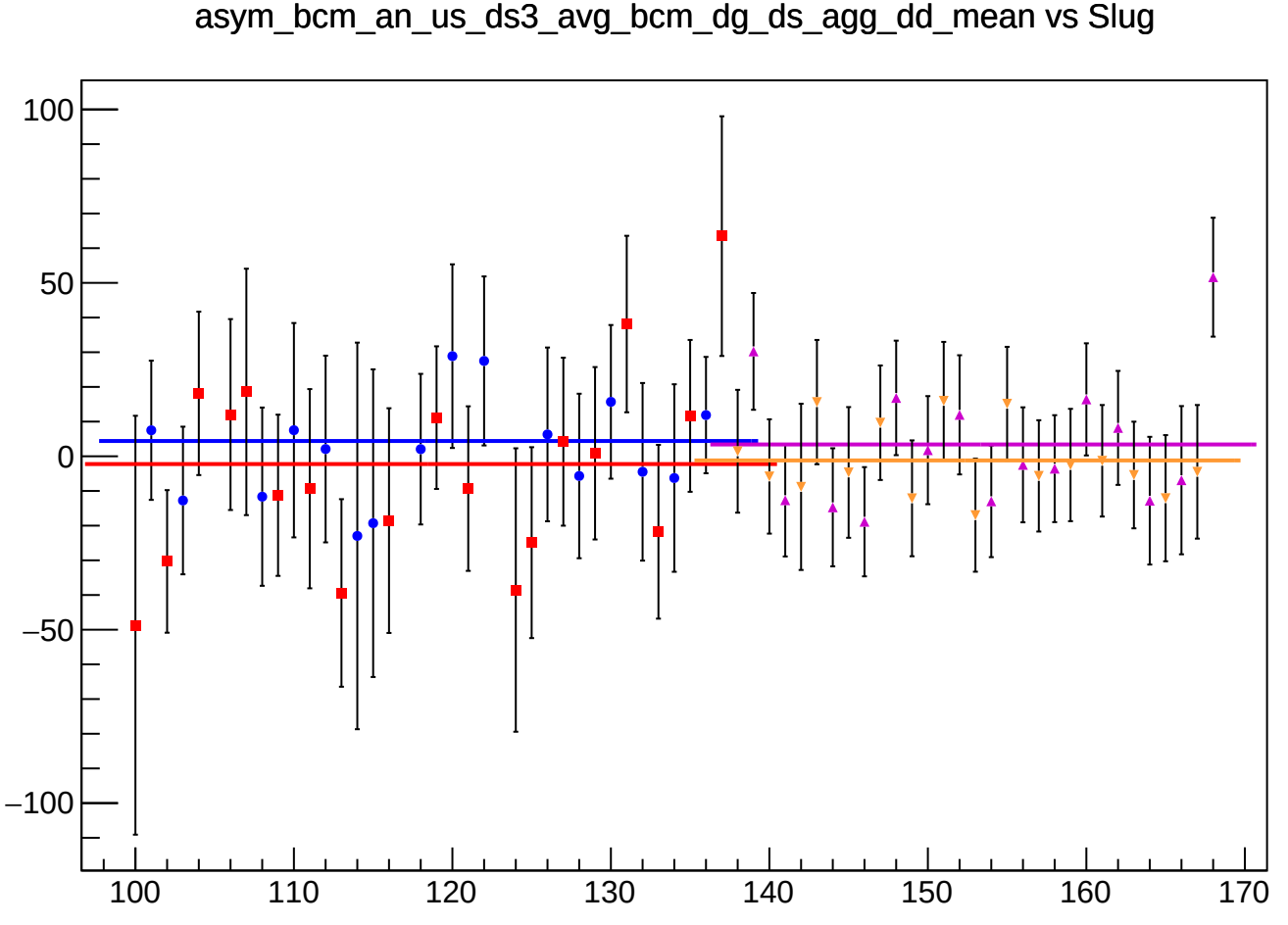
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.494+/-0.004 χ^2/NDF:6540.5/14

+ sign 21.659+/-0.003 χ^2/NDF: 24377.1/31

All: 21.632+/-0.002 χ^2/NDF: 51715.2/65

- sign 21.606+/-0.003 χ^2/NDF: 27220.2/33



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -1.196+/-4.294 χ^2/NDF:5.5/15

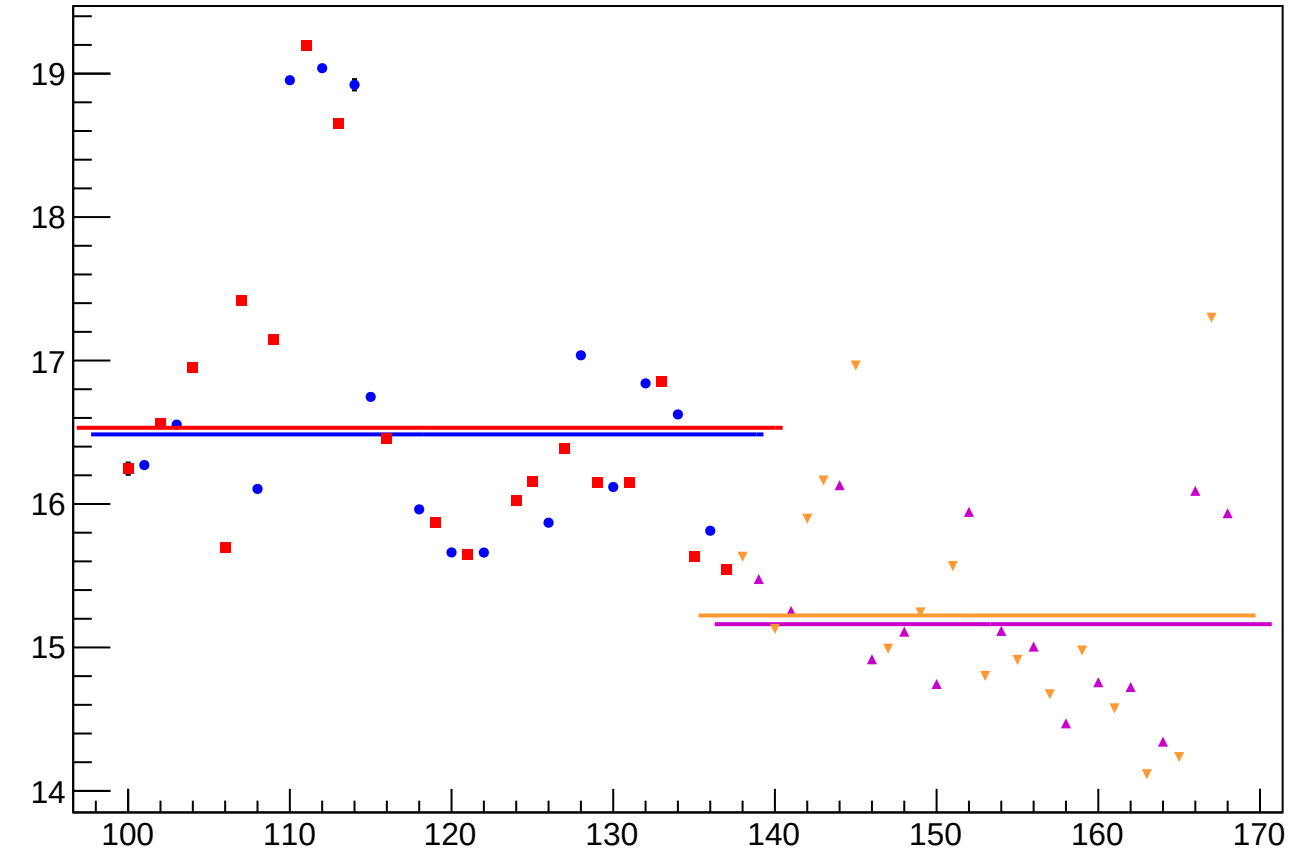
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 3.407+/-4.313 χ^2/NDF:18.6/14

+ sign 0.644+/-3.518 χ^2/NDF: 10.3/31

All: 1.073+/-2.485 χ^2/NDF: 44.9/65

- sign 1.500+/-3.511 χ^2/NDF: 34.6/33



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.223+/-0.003 χ^2/NDF:74092.5/15

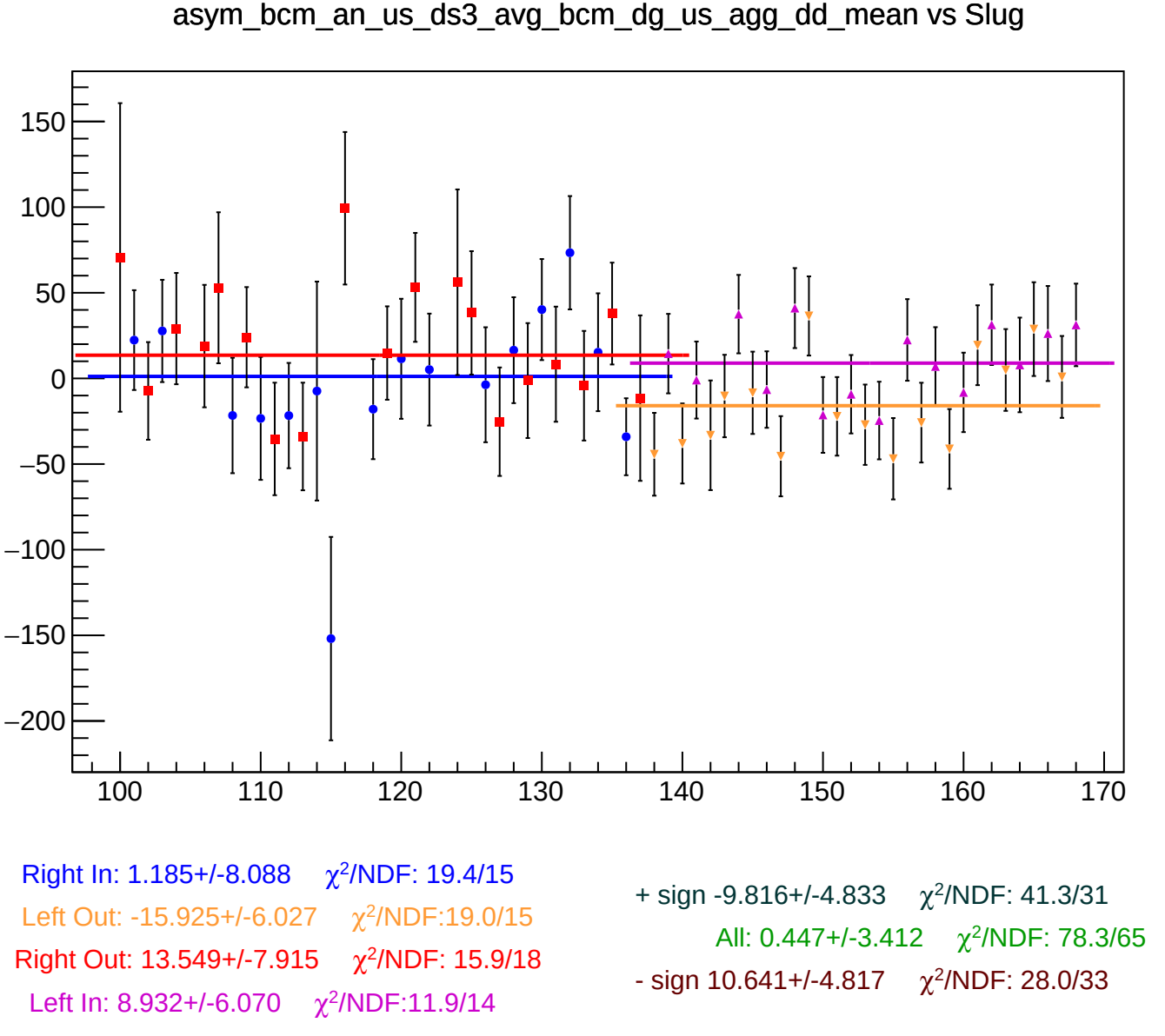
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

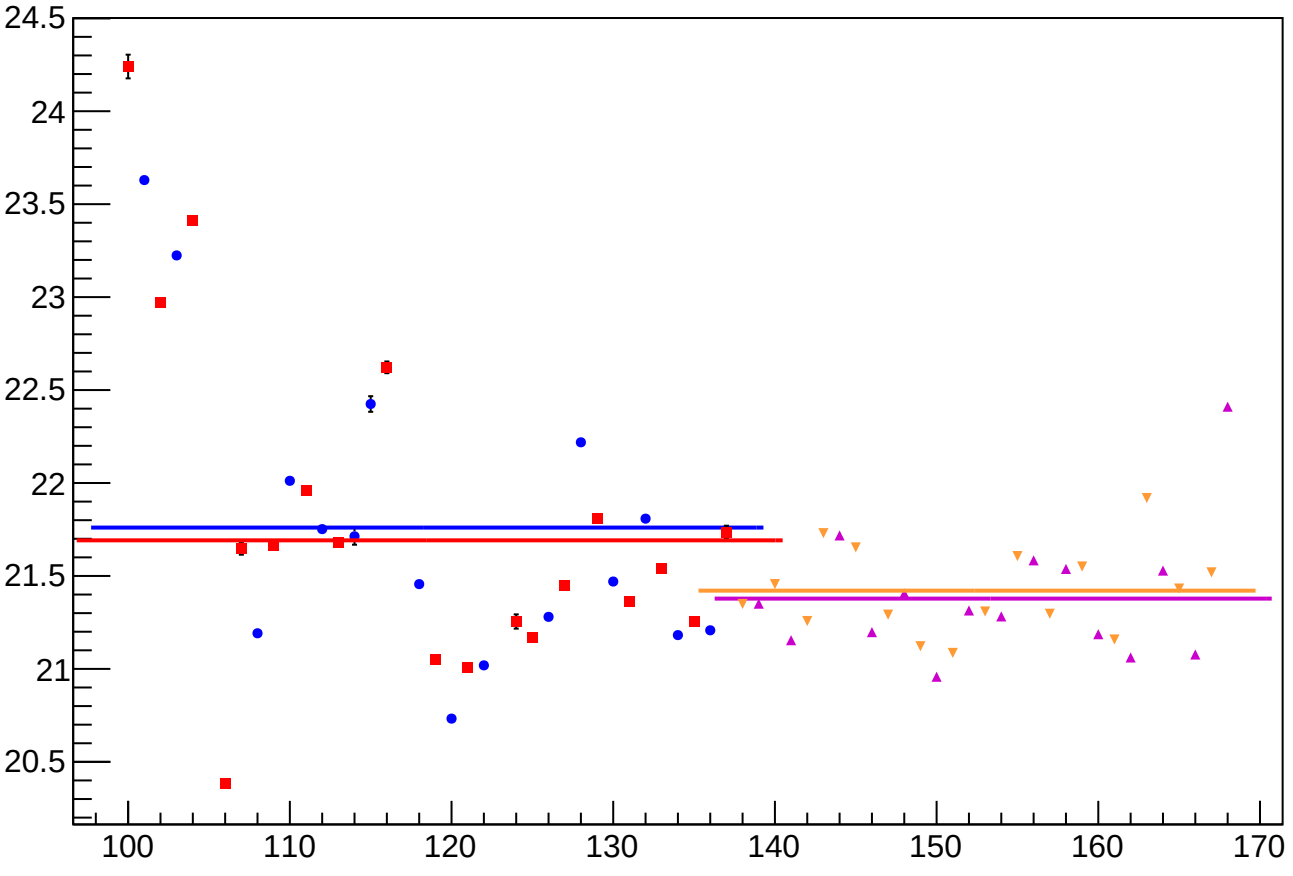
Left In: 15.162+/-0.003 χ^2/NDF:32026.6/14

+ sign 15.638+/-0.002 χ^2/NDF: 178066.8/31

All: 15.631+/-0.002 χ^2/NDF: 324597.7/65

- sign 15.624+/-0.002 χ^2/NDF: 146516.3/33


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug
150
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: 1.185+/-8.088 χ²/NDF: 19.4/15
Left Out: -15.925+/-6.027 χ²/NDF:19.0/15
Right Out: 13.549+/-7.915 χ²/NDF: 15.9/18
Left In: 8.932+/-6.070 χ²/NDF:11.9/14
+ sign -9.816+/-4.833 χ²/NDF: 41.3/31
All: 0.447+/-3.412 χ²/NDF: 78.3/65
- sign 10.641+/-4.817 χ²/NDF: 28.0/33



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.421+/-0.004 χ^2/NDF:2859.6/15

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

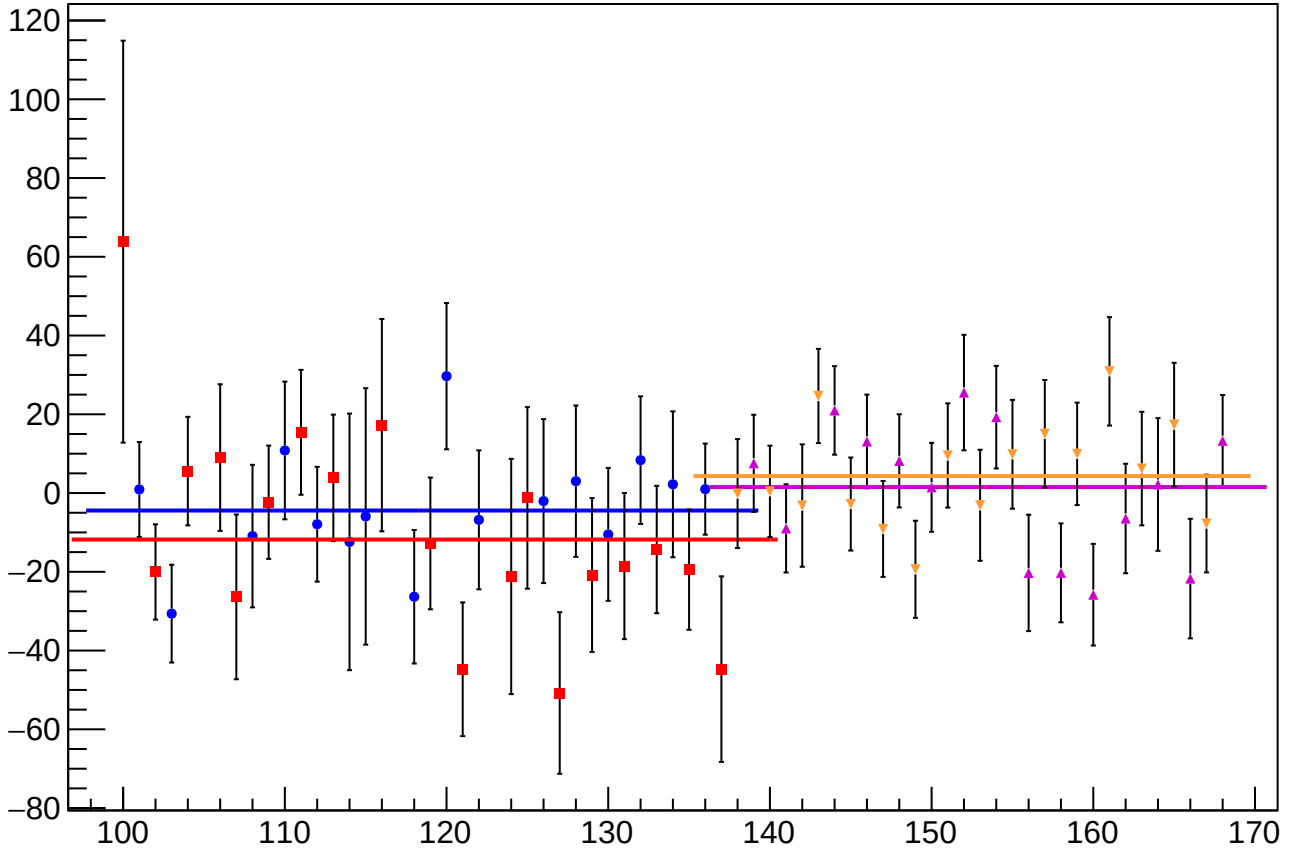
Left In: 21.378+/-0.004 χ^2/NDF:6257.4/14

+ sign 21.542+/-0.003 χ^2/NDF: 24868.0/31

All: 21.518+/-0.002 χ^2/NDF: 51530.0/65

- sign 21.494+/-0.003 χ^2/NDF: 26563.3/33

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: 4.296+/-3.293 χ^2/NDF:15.4/15

Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

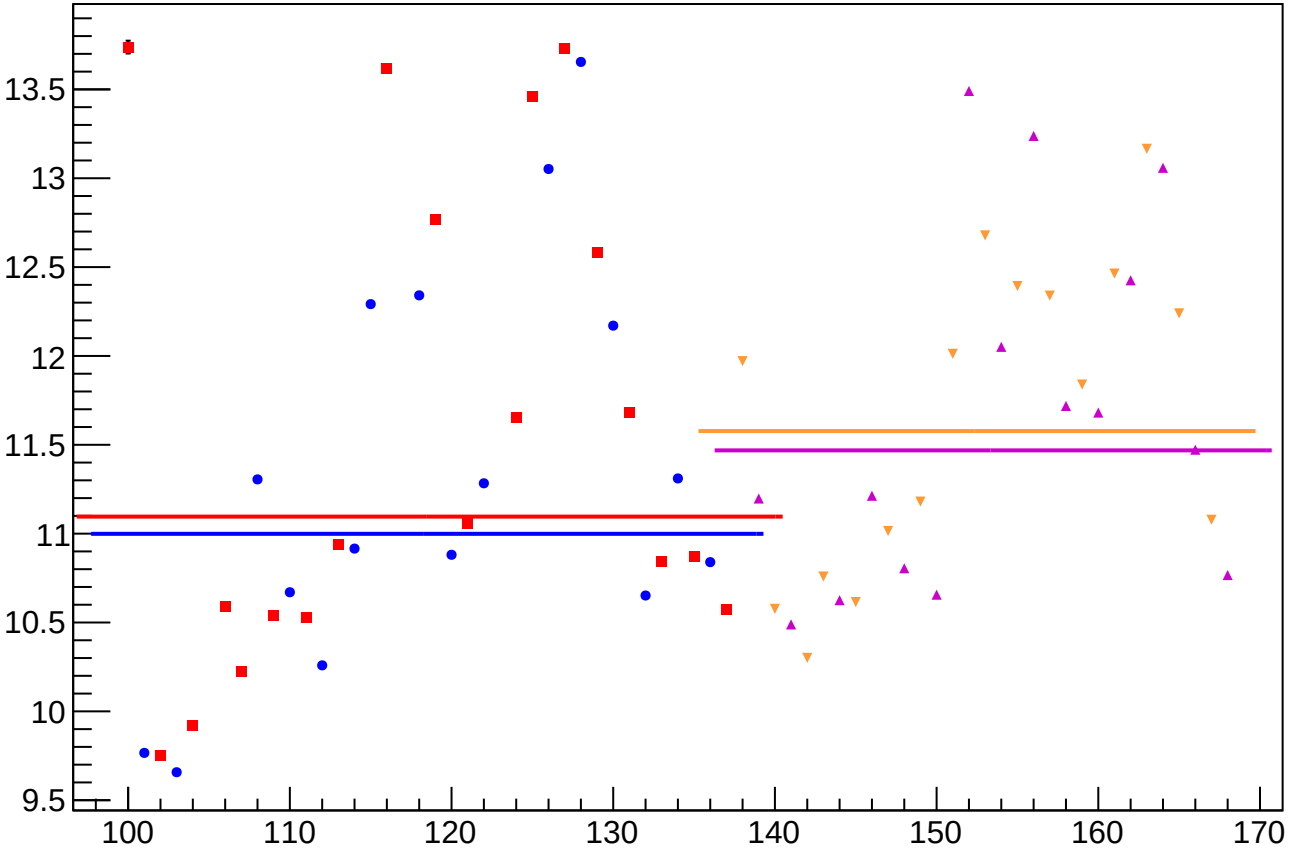
Left In: 1.522+/-3.290 χ^2/NDF:23.3/14

+ sign 0.901+/-2.575 χ^2/NDF: 30.1/31

All: -1.409+/-1.817 χ^2/NDF: 83.2/65

- sign -3.702+/-2.565 χ^2/NDF: 51.5/33

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: 11.577+/-0.002 χ^2/NDF:126753.8/15

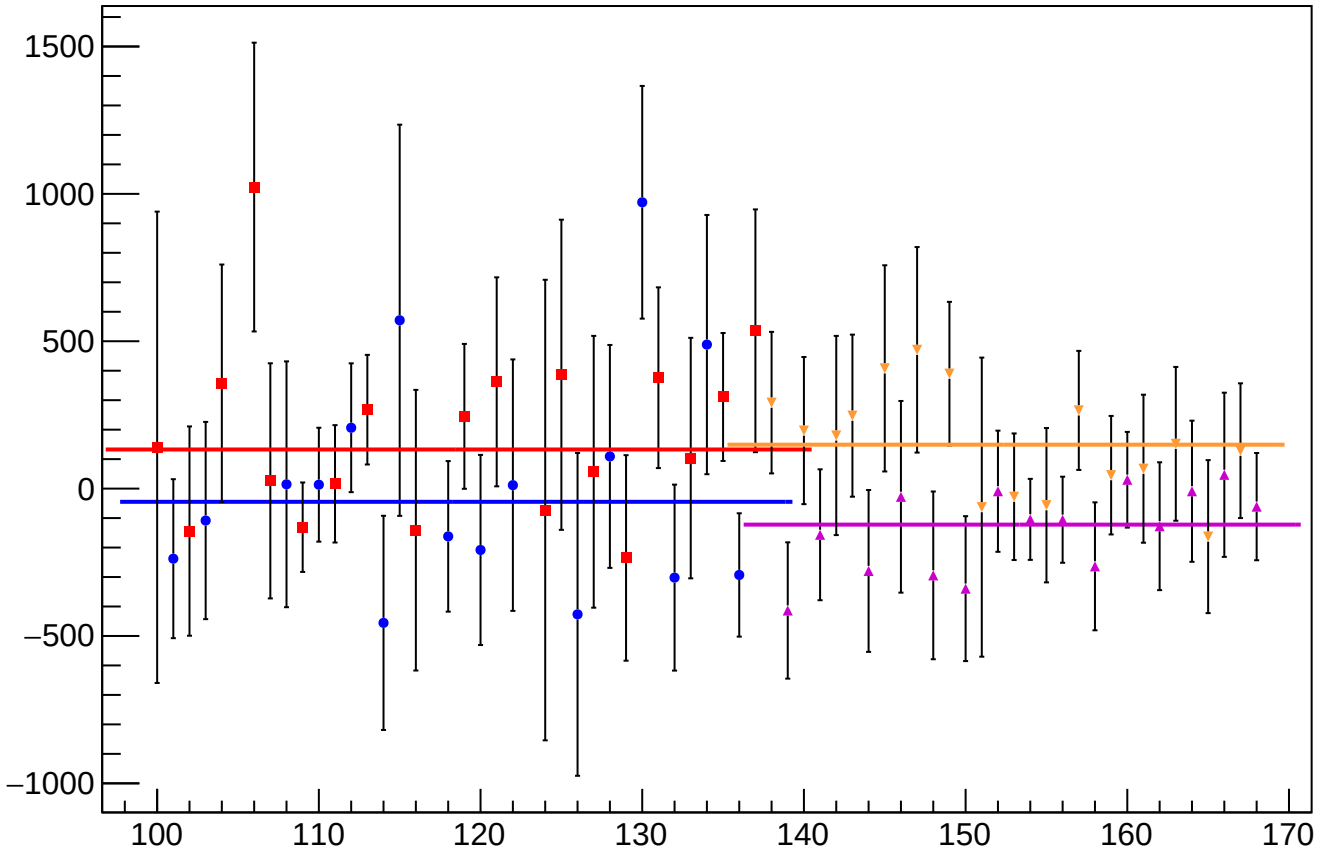
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.469+/-0.002 χ^2/NDF:151663.0/14

+ sign 11.353+/-0.002 χ^2/NDF: 286872.6/31

All: 11.338+/-0.001 χ^2/NDF: 611642.1/65

- sign 11.323+/-0.002 χ^2/NDF: 324633.3/33



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 149.062+/-64.207 χ^2/NDF:6.5/15

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

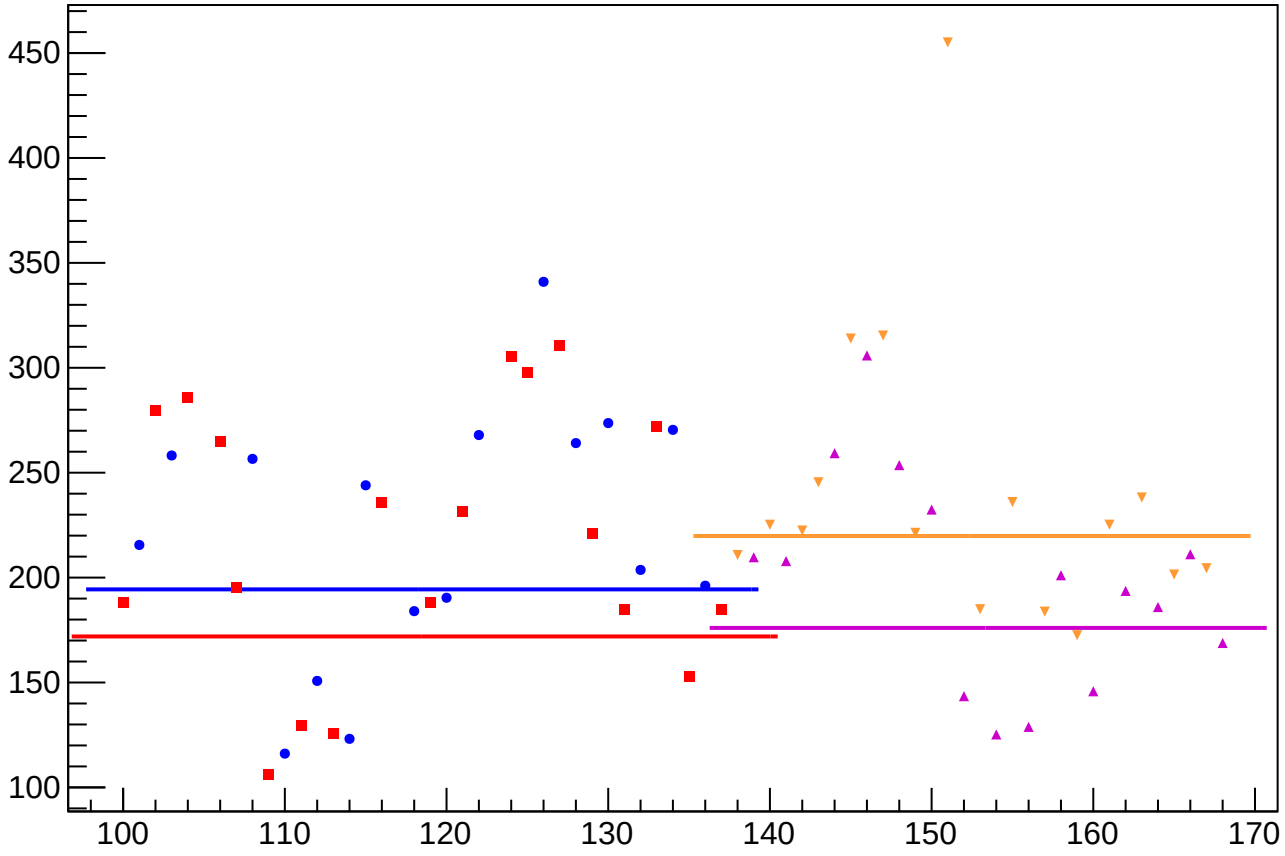
Left In: -122.189+/-53.067 χ^2/NDF:5.5/14

+ sign 68.847+/-49.160 χ^2/NDF: 25.7/31

All: 13.806+/-31.888 χ^2/NDF: 54.9/65

- sign -26.175+/-41.898 χ^2/NDF: 27.1/33

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 219.828+/-0.045 χ^2/NDF:1010886.2/15

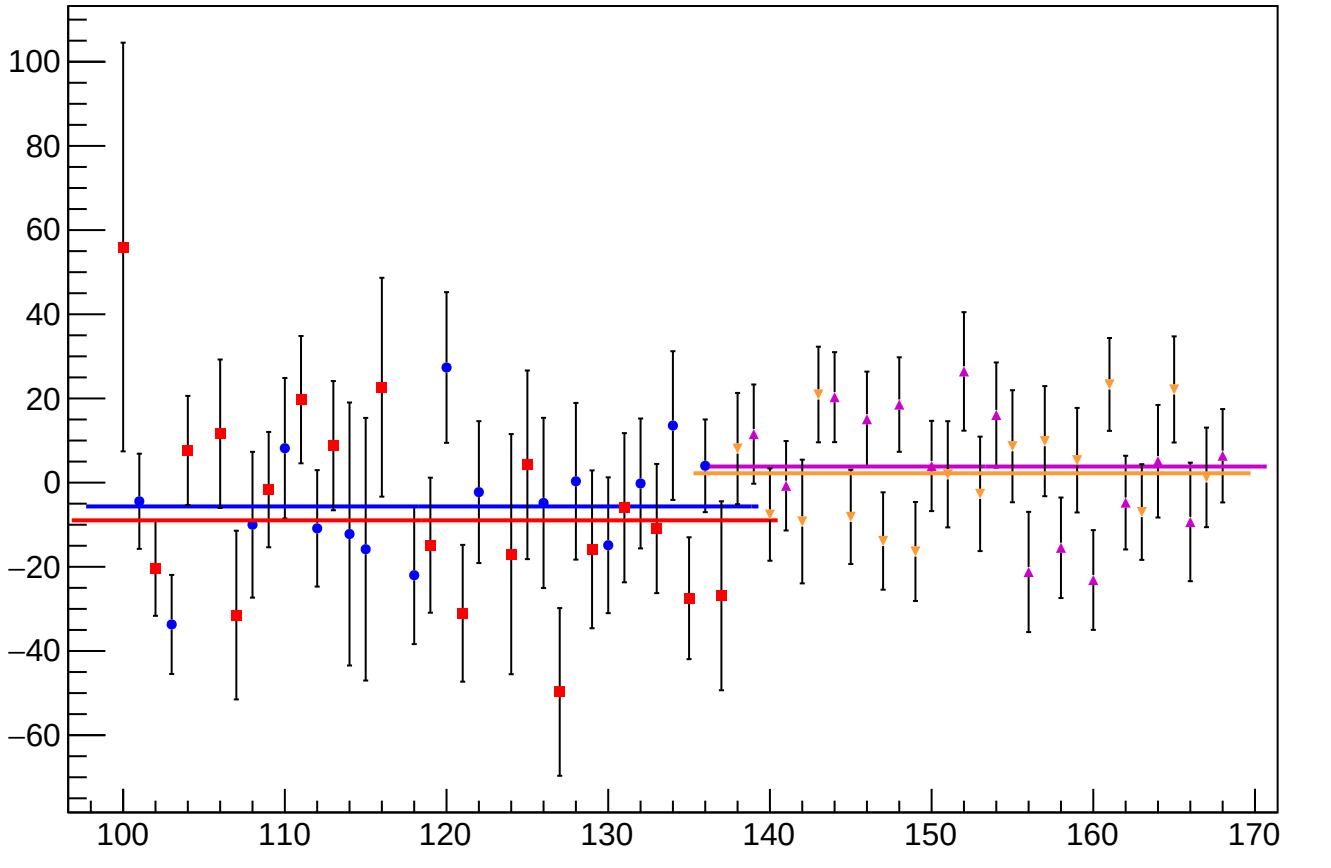
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 176.022+/-0.038 χ^2/NDF:1519753.1/14

+ sign 209.300+/-0.035 χ^2/NDF: 2182860.0/31

All: 189.135+/-0.023 χ^2/NDF: 5939338.7/65

- sign 174.488+/-0.030 χ^2/NDF: 3175535.6/33



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 2.225+/-3.041 χ^2/NDF:17.2/15

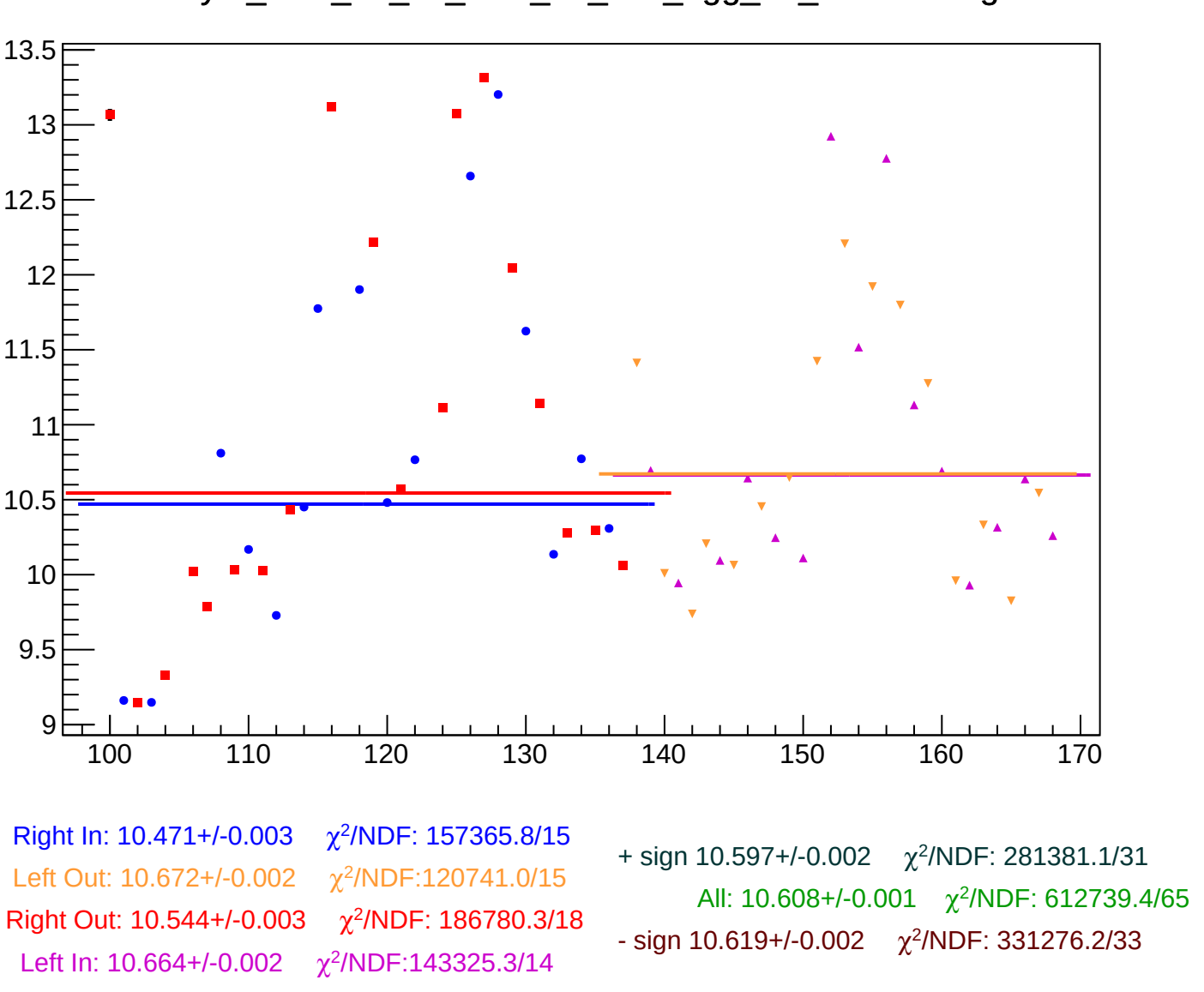
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

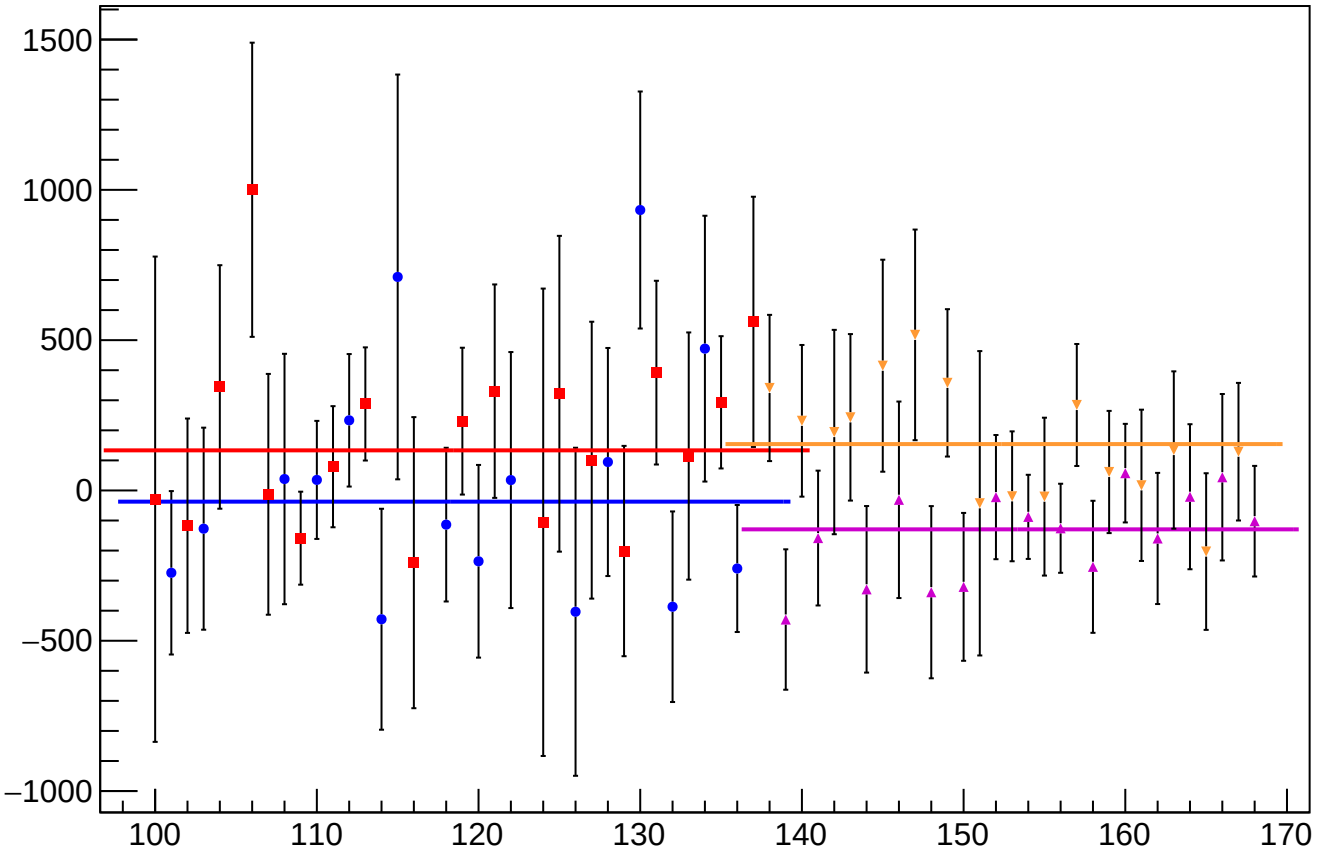
Left In: 3.824+/-3.063 χ^2/NDF:21.6/14

\+ sign -0.718+/-2.407 χ^2/NDF: 33.4/31

All: -0.885+/-1.703 χ^2/NDF: 84.5/65

\- sign -1.052+/-2.409 χ^2/NDF: 51.1/33


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug
13.5
13
12.5
12
11.5
11
10.5
10
9.5
9
100
110
120
130
140
150
160
170
Right In: 10.471+/-0.003 χ²/NDF: 157365.8/15
Left Out: 10.672+/-0.002 χ²/NDF:120741.0/15
Right Out: 10.544+/-0.003 χ²/NDF: 186780.3/18
Left In: 10.664+/-0.002 χ²/NDF:143325.3/14
+ sign 10.597+/-0.002 χ²/NDF: 281381.1/31
All: 10.608+/-0.001 χ²/NDF: 612739.4/65
- sign 10.619+/-0.002 χ²/NDF: 331276.2/33



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 154.270+/-64.595 χ^2/NDF:7.2/15

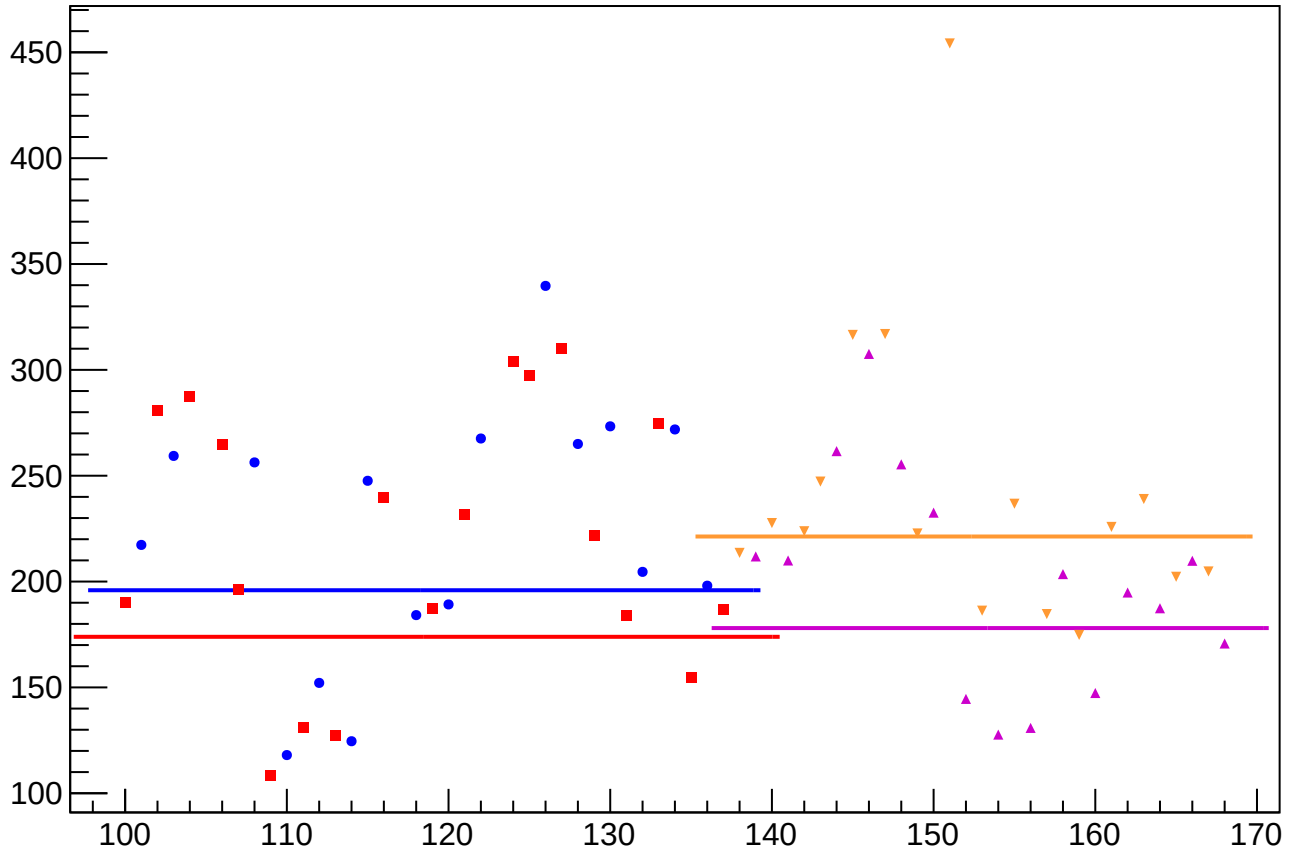
Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: -129.406+/-53.598 χ^2/NDF:6.0/14

\+ sign 75.062+/-49.465 χ^2/NDF: 26.5/31

All: 14.203+/-32.149 χ^2/NDF: 57.1/65

\- sign -30.306+/-42.302 χ^2/NDF: 28.0/33



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 221.284+/-0.046 χ^2/NDF:999553.1/15

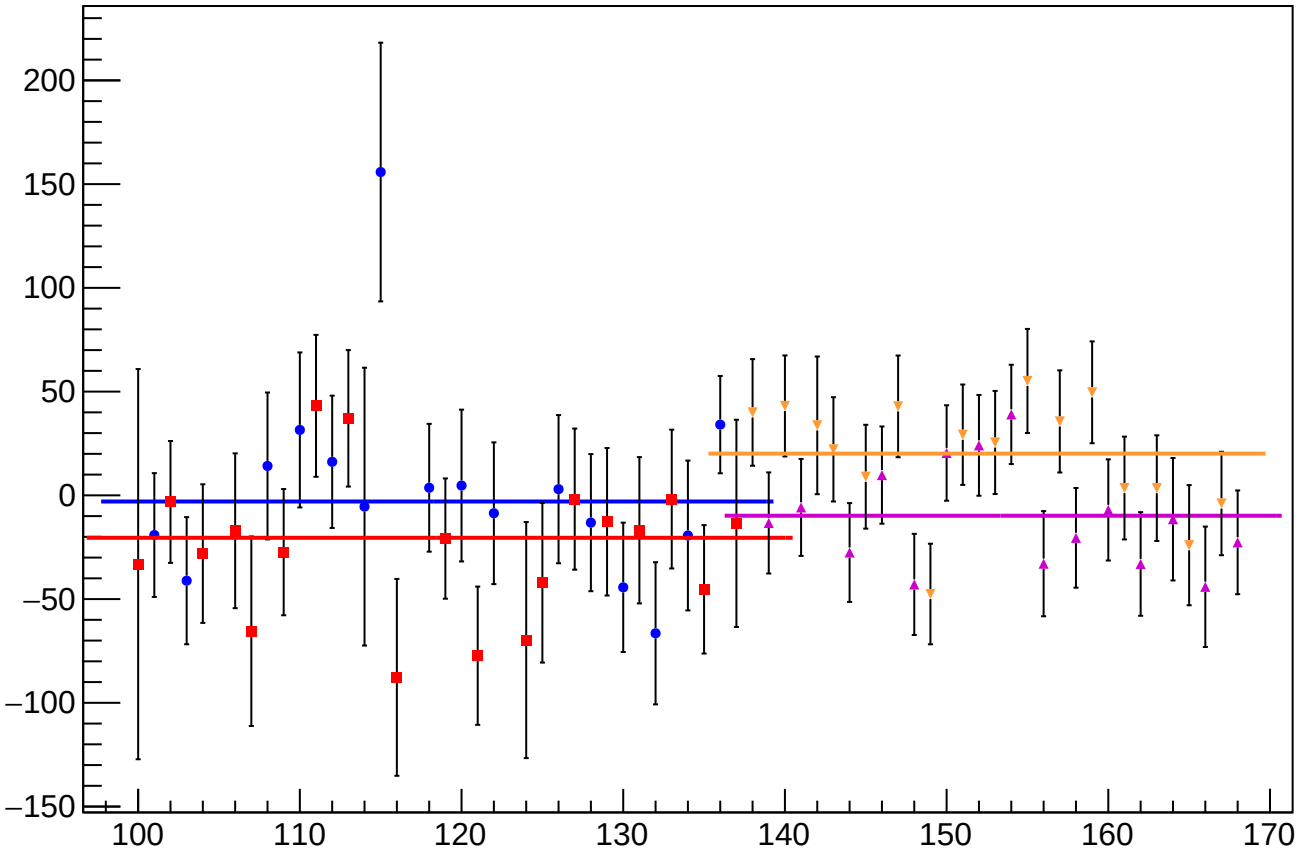
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 178.028+/-0.038 χ^2/NDF:1477698.6/14

+ sign 210.785+/-0.035 χ^2/NDF: 2138305.1/31

All: 190.966+/-0.023 χ^2/NDF: 5775940.9/65

- sign 176.472+/-0.030 χ^2/NDF: 3081778.2/33



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 20.110+/-6.342 χ^2/NDF:18.6/15

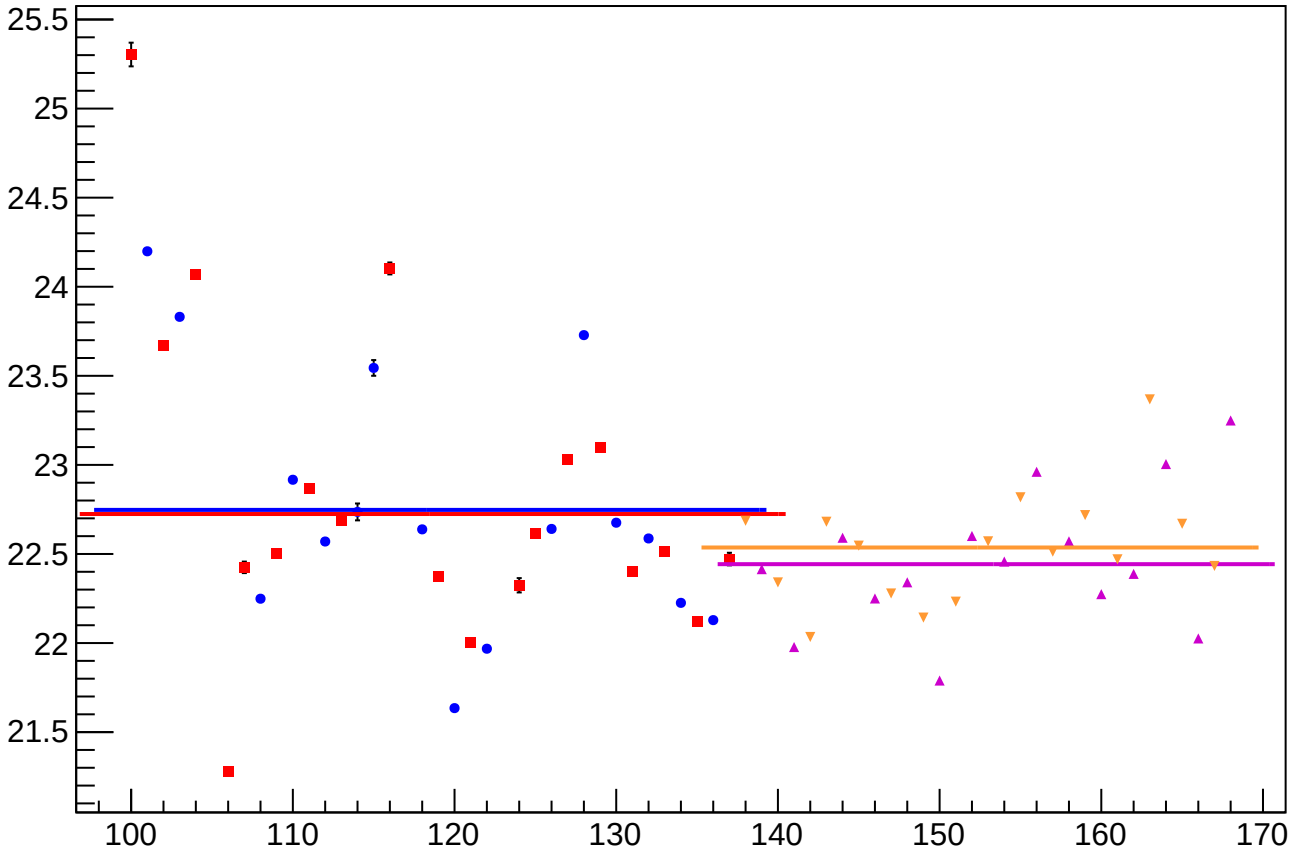
Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: -9.824+/-6.373 χ^2/NDF:14.6/14

+ sign 11.799+/-5.073 χ^2/NDF: 41.3/31

All: -1.038+/-3.580 χ^2/NDF: 85.0/65

- sign -13.772+/-5.053 χ^2/NDF: 30.9/33



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.536+/-0.004 χ^2/NDF:4379.4/15

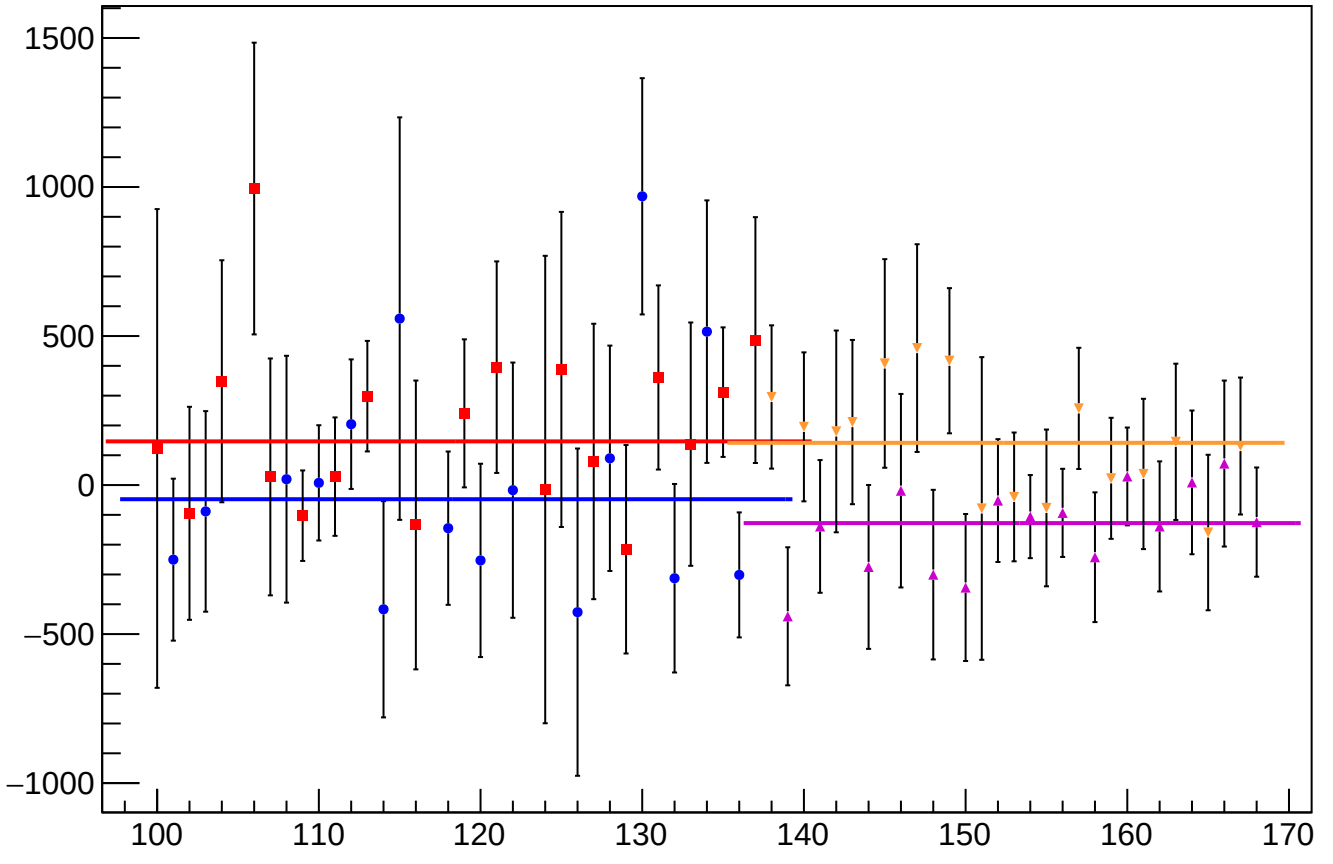
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.443+/-0.005 χ^2/NDF:6958.4/14

+ sign 22.612+/-0.004 χ^2/NDF: 19800.3/31

All: 22.580+/-0.003 χ^2/NDF: 42863.5/65

- sign 22.547+/-0.004 χ^2/NDF: 22897.9/33



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 141.682+/-64.472 χ^2/NDF:7.0/15

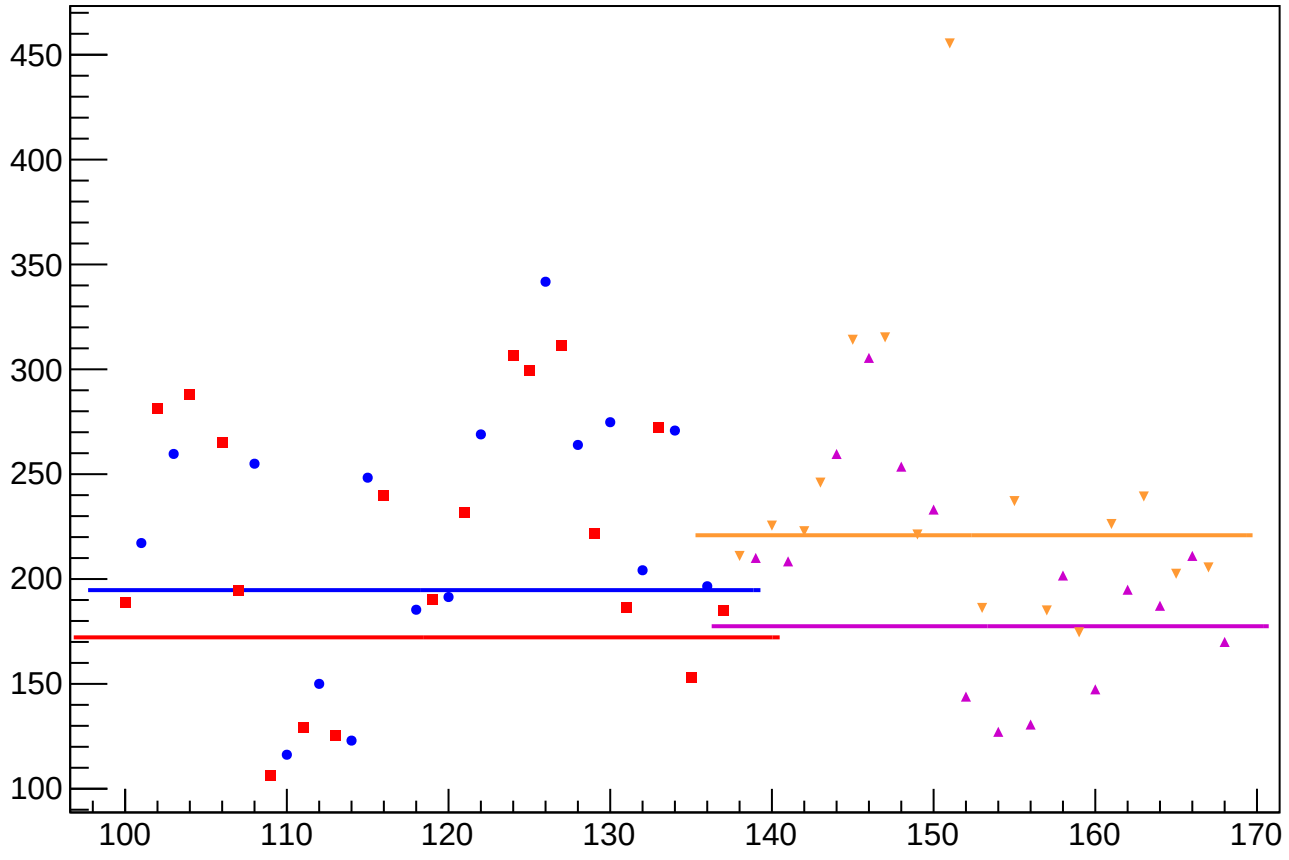
Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: -127.618+/-53.438 χ^2/NDF:5.6/14

+ sign 63.192+/-49.318 χ^2/NDF: 25.9/31

All: 12.944+/-32.024 χ^2/NDF: 54.9/65

- sign -23.689+/-42.110 χ^2/NDF: 27.2/33



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 220.875+/-0.046 χ^2/NDF:990859.6/15

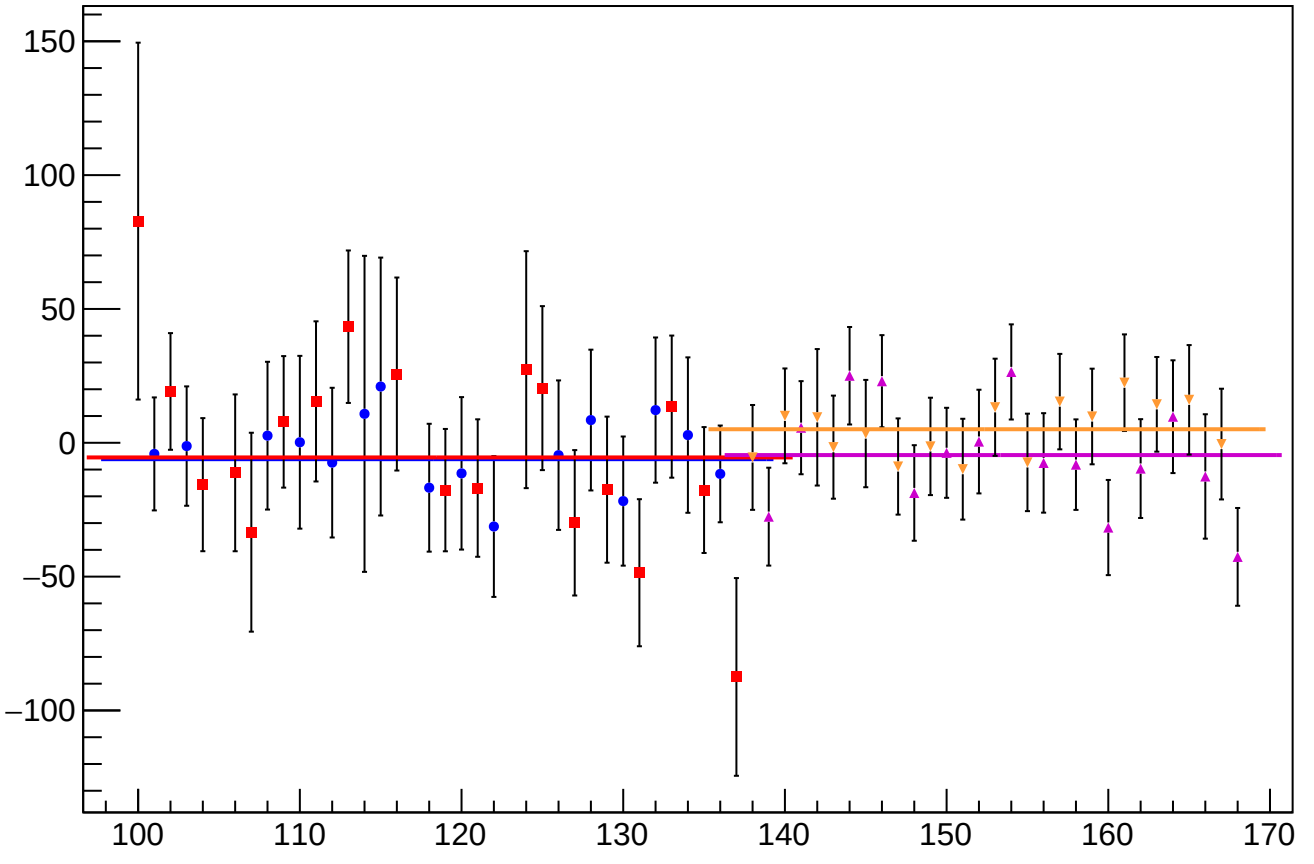
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 177.493+/-0.038 χ^2/NDF:1467233.6/14

+ sign 210.020+/-0.035 χ^2/NDF: 2179817.0/31

All: 190.044+/-0.023 χ^2/NDF: 5892889.6/65

- sign 175.481+/-0.030 χ^2/NDF: 3145778.3/33



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.063+/-4.726 χ^2/NDF:4.5/15

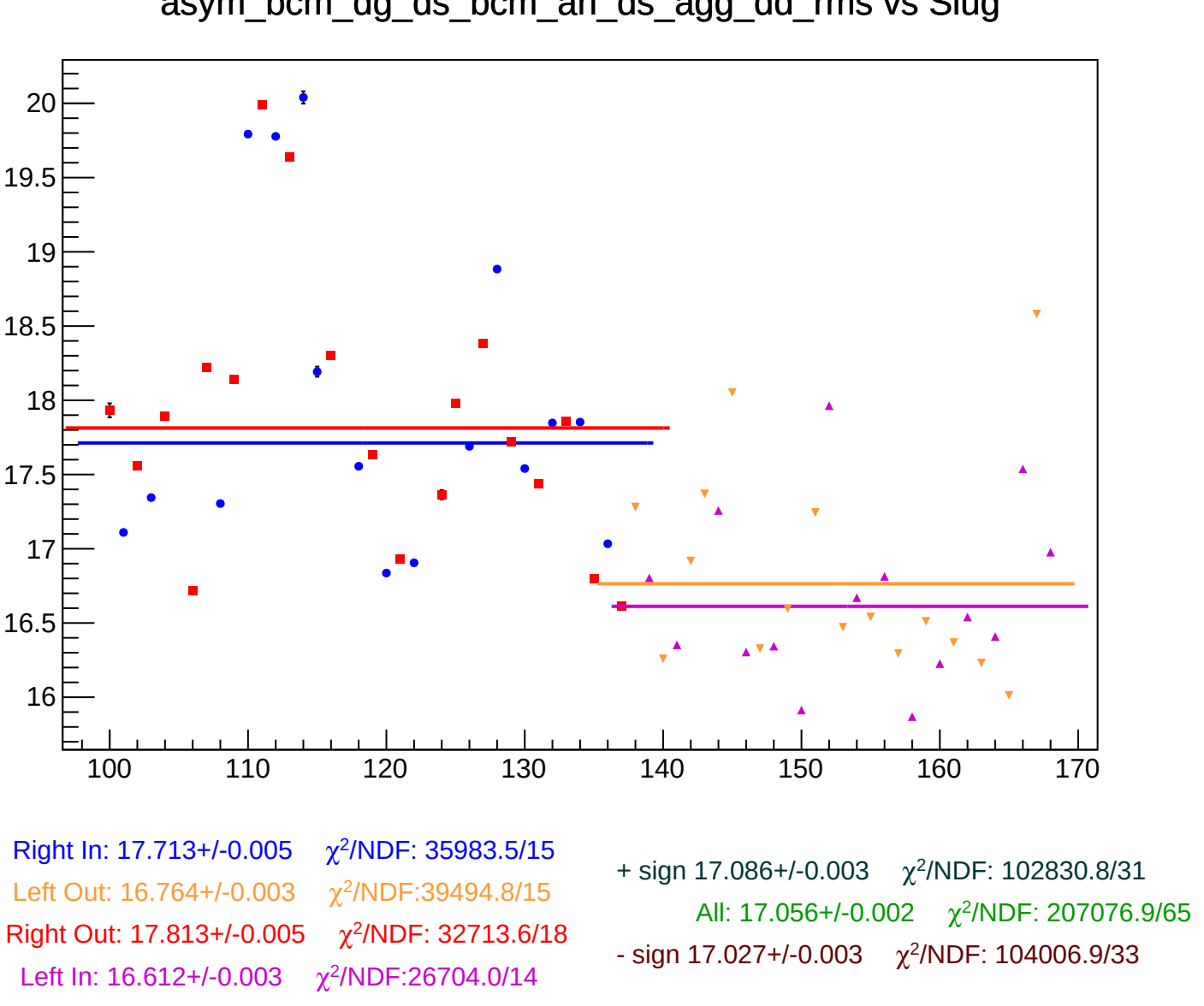
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

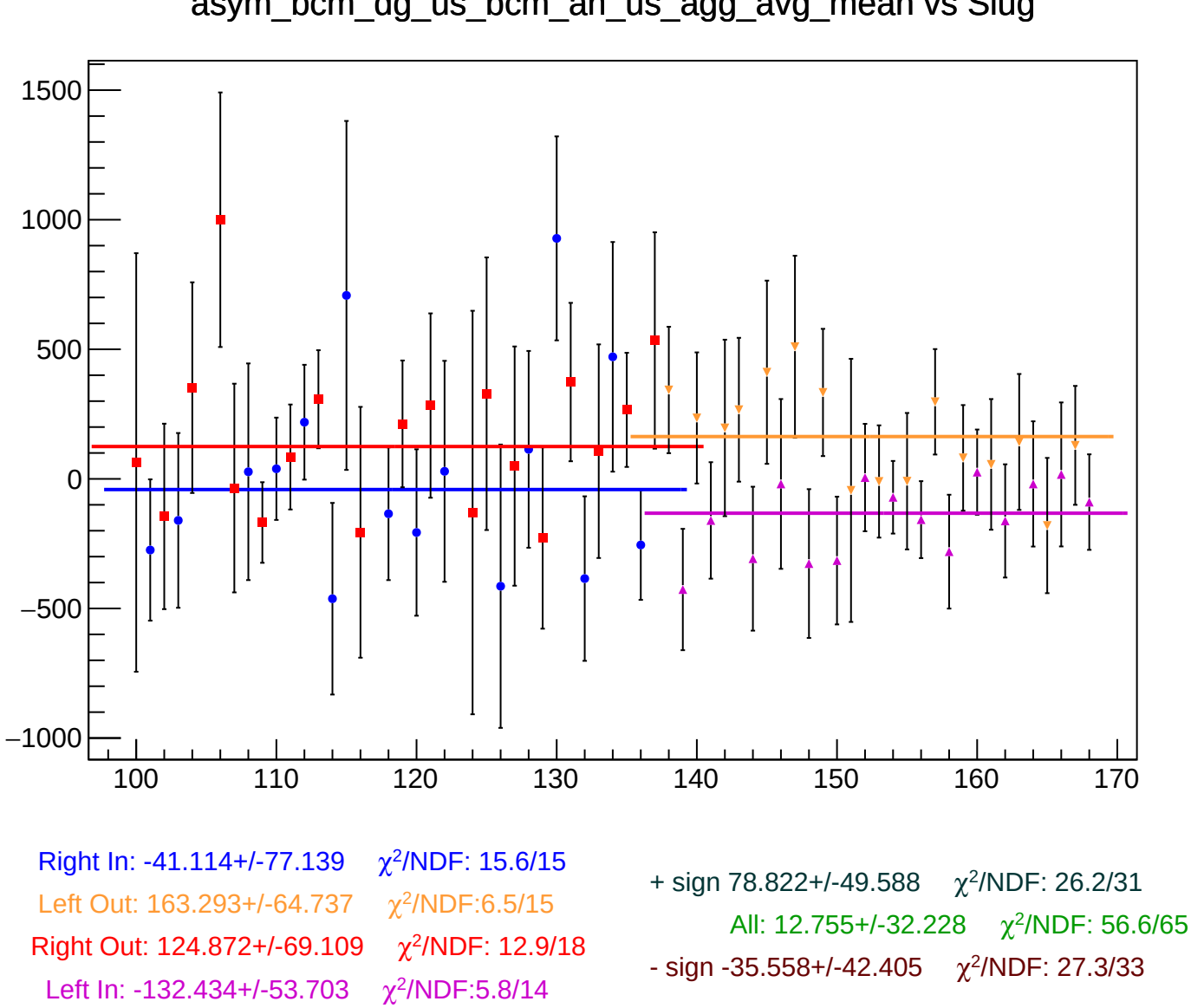
Left In: -4.590+/-4.725 χ^2/NDF:18.3/14

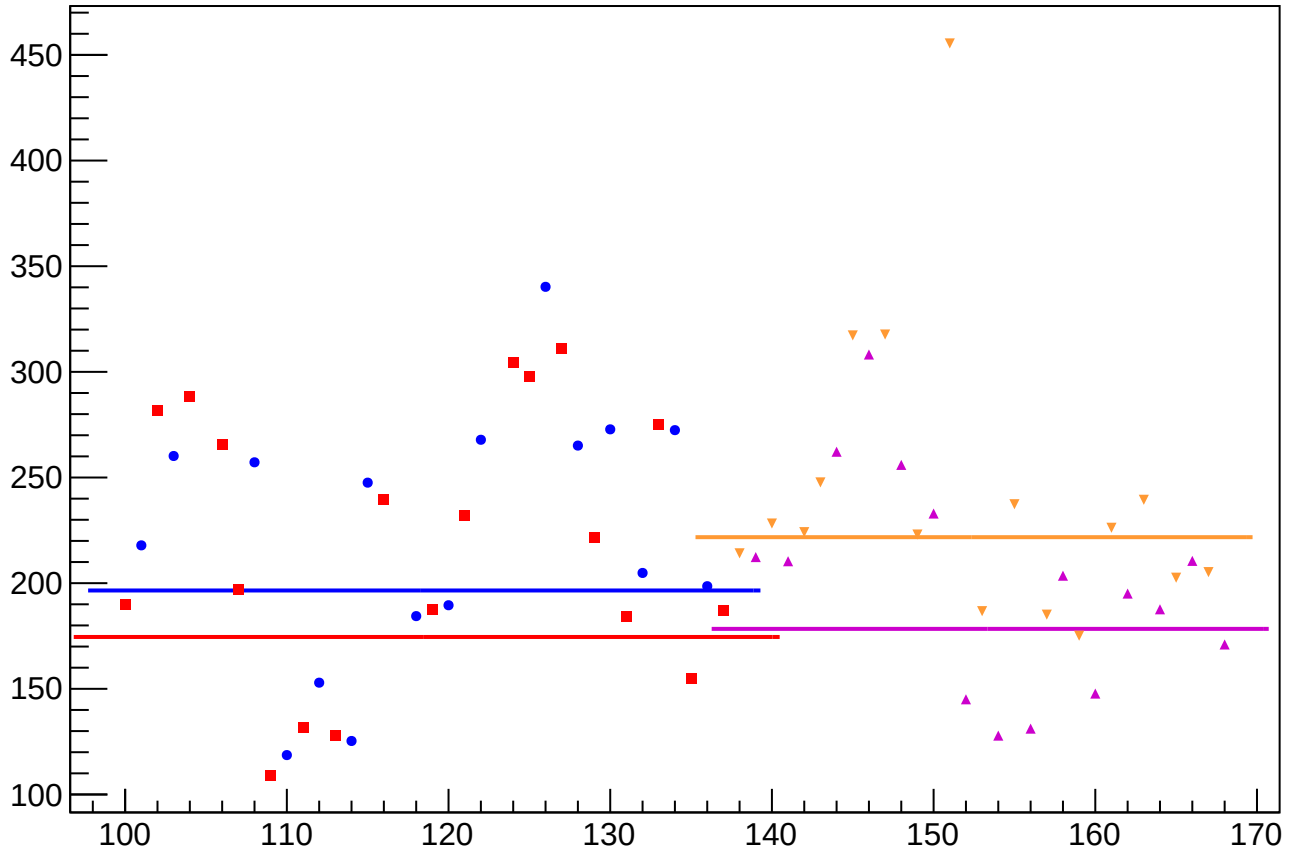
+ sign 1.267+/-3.841 χ^2/NDF: 9.5/31

All: -1.827+/-2.710 χ^2/NDF: 48.3/65

- sign -4.894+/-3.824 χ^2/NDF: 37.5/33


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug
20
19.5
19
18.5
18
17.5
17
16.5
16
100
110
120
130
140
150
160
170
Right In: 17.713+/-0.005 χ²/NDF: 35983.5/15
Left Out: 16.764+/-0.003 χ²/NDF:39494.8/15
Right Out: 17.813+/-0.005 χ²/NDF: 32713.6/18
Left In: 16.612+/-0.003 χ²/NDF:26704.0/14
+ sign 17.086+/-0.003 χ²/NDF: 102830.8/31
All: 17.056+/-0.002 χ²/NDF: 207076.9/65
- sign 17.027+/-0.003 χ²/NDF: 104006.9/33


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -41.114+/-77.139 χ²/NDF: 15.6/15
Left Out: 163.293+/-64.737 χ²/NDF:6.5/15
Right Out: 124.872+/-69.109 χ²/NDF: 12.9/18
Left In: -132.434+/-53.703 χ²/NDF:5.8/14
+ sign 78.822+/-49.588 χ²/NDF: 26.2/31
All: 12.755+/-32.228 χ²/NDF: 56.6/65
- sign -35.558+/-42.405 χ²/NDF: 27.3/33



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 221.766+/-0.046 χ^2/NDF:999731.3/15

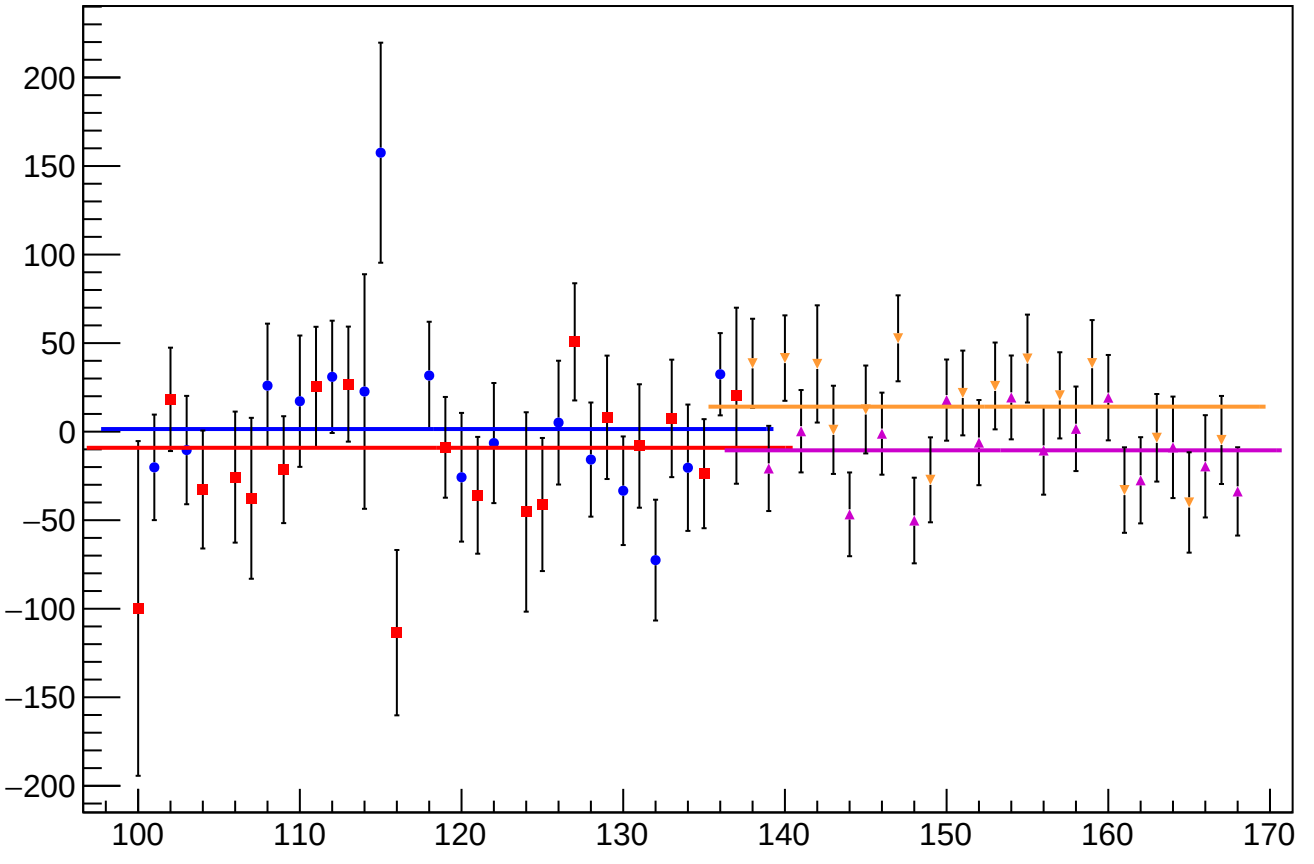
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 178.373+/-0.038 χ^2/NDF:1477702.0/14

+ sign 211.342+/-0.035 χ^2/NDF: 2125975.7/31

All: 191.465+/-0.023 χ^2/NDF: 5752581.9/65

- sign 176.930+/-0.030 χ^2/NDF: 3070263.2/33



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 14.108+/-6.261 χ^2/NDF:19.7/15

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

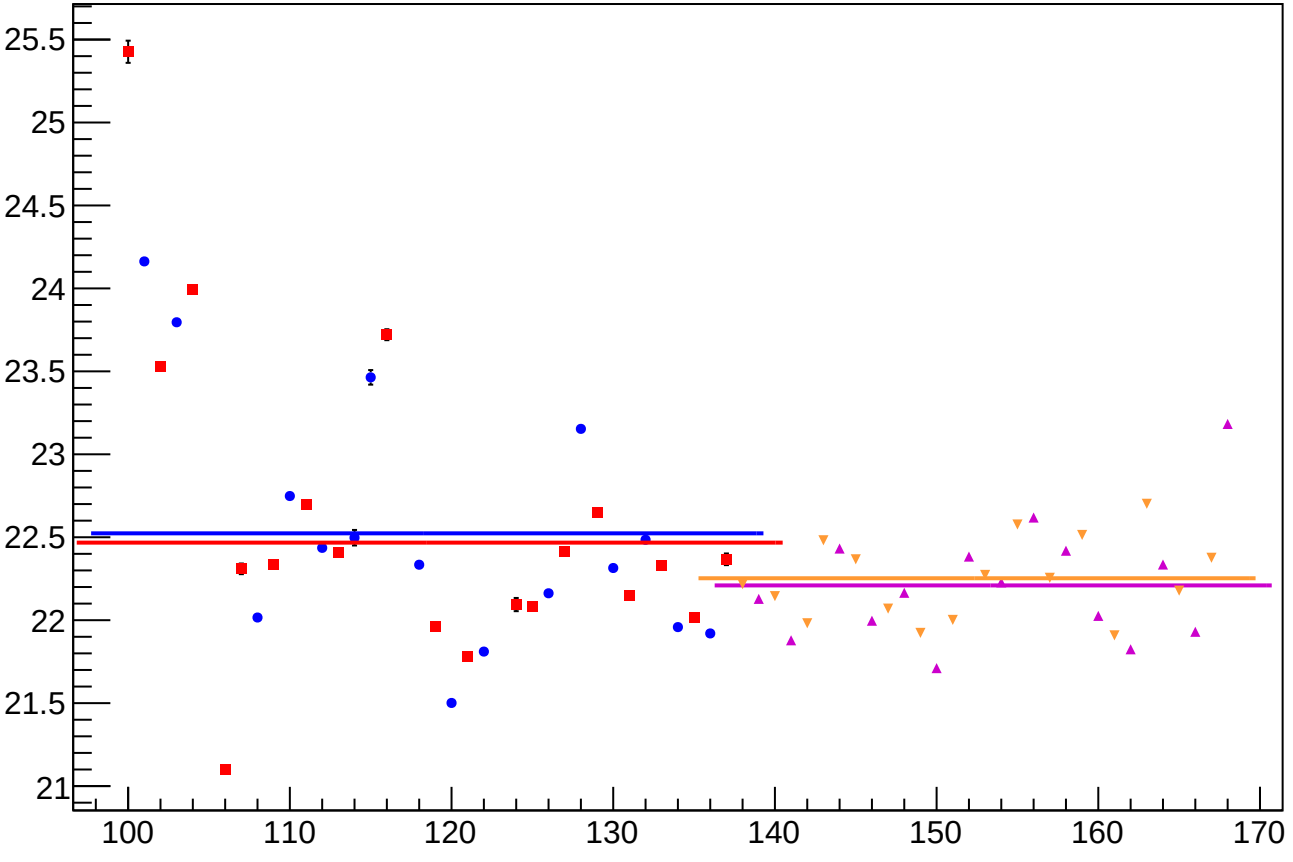
Left In: -10.547+/-6.306 χ^2/NDF:12.0/14

+ sign 9.576+/-5.014 χ^2/NDF: 39.8/31

All: -0.250+/-3.540 χ^2/NDF: 75.9/65

- sign -10.014+/-4.998 χ^2/NDF: 28.4/33

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: 22.253+/-0.004 χ^2/NDF:2801.7/15

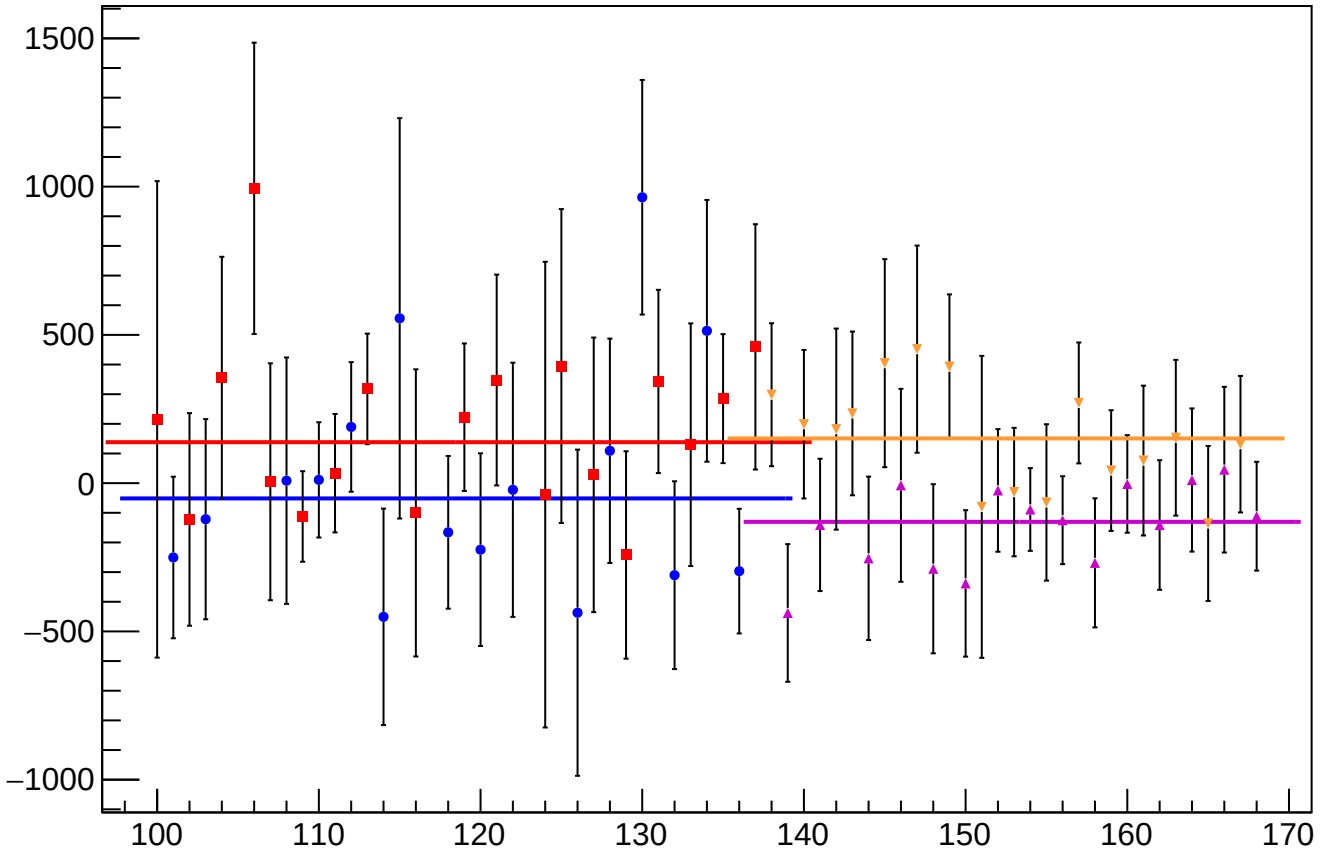
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.210+/-0.004 χ^2/NDF:6412.3/14

+ sign 22.350+/-0.004 χ^2/NDF: 20091.4/31

All: 22.328+/-0.003 χ^2/NDF: 43452.6/65

- sign 22.306+/-0.004 χ^2/NDF: 23282.5/33



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 150.793+/-64.613 χ^2/NDF:6.3/15

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

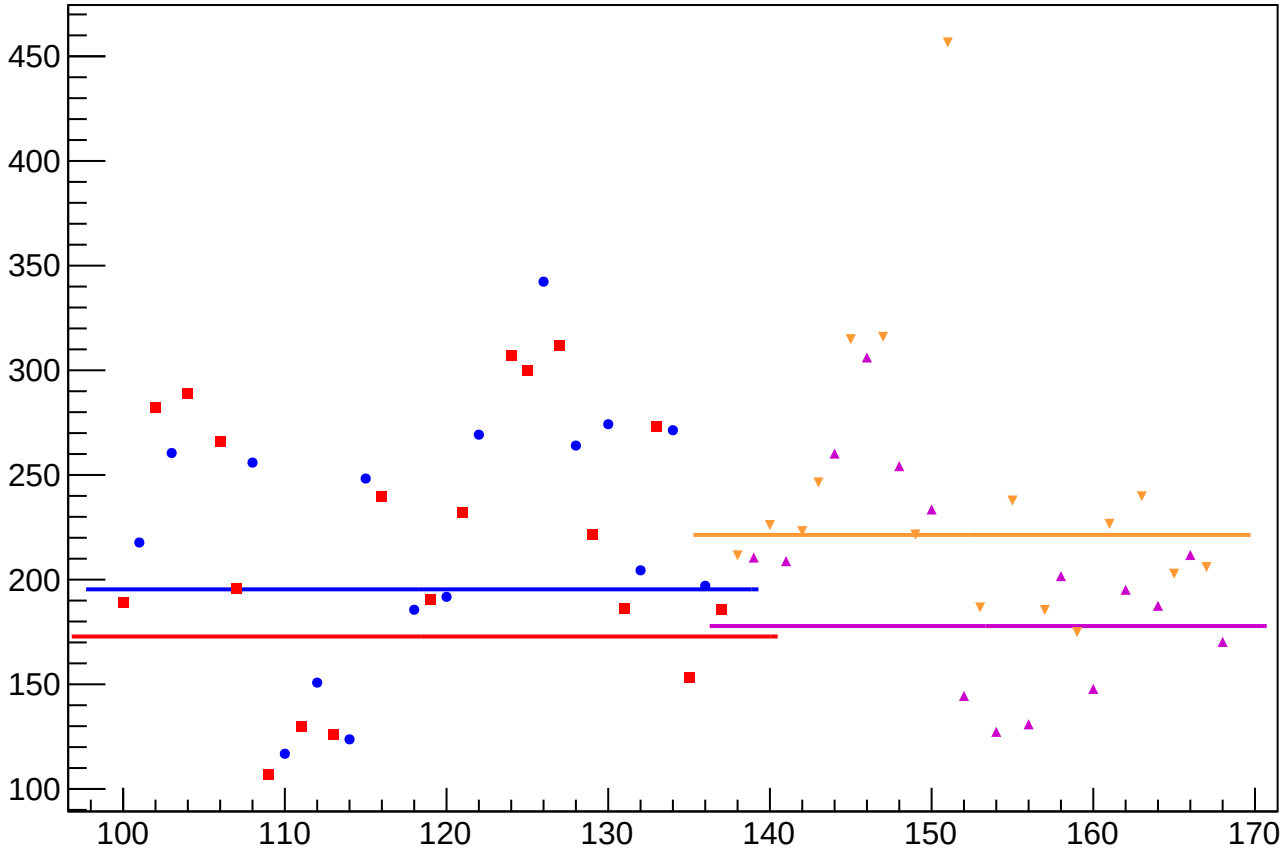
Left In: -130.536+/-53.542 χ^2/NDF:5.2/14

+ sign 66.952+/-49.442 χ^2/NDF: 25.7/31

All: 11.540+/-32.104 χ^2/NDF: 54.2/65

- sign -28.854+/-42.214 χ^2/NDF: 26.4/33

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 221.356+/-0.046 χ^2/NDF:991039.2/15

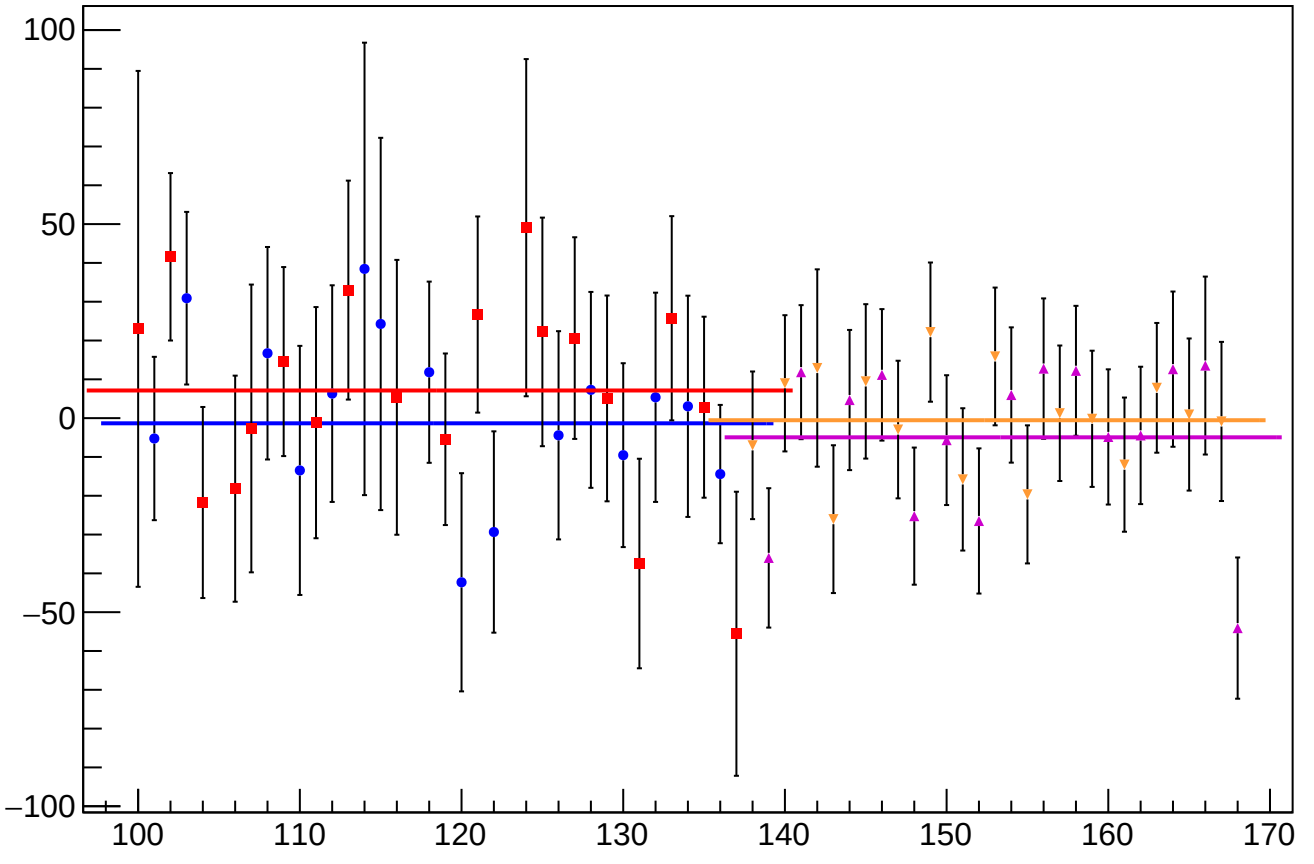
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 177.835+/-0.038 χ^2/NDF:1467361.5/14

+ sign 210.582+/-0.035 χ^2/NDF: 2166643.5/31

All: 190.548+/-0.023 χ^2/NDF: 5867778.2/65

- sign 175.944+/-0.030 χ^2/NDF: 3133386.7/33



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -0.538+/-4.619 χ^2/NDF:7.8/15

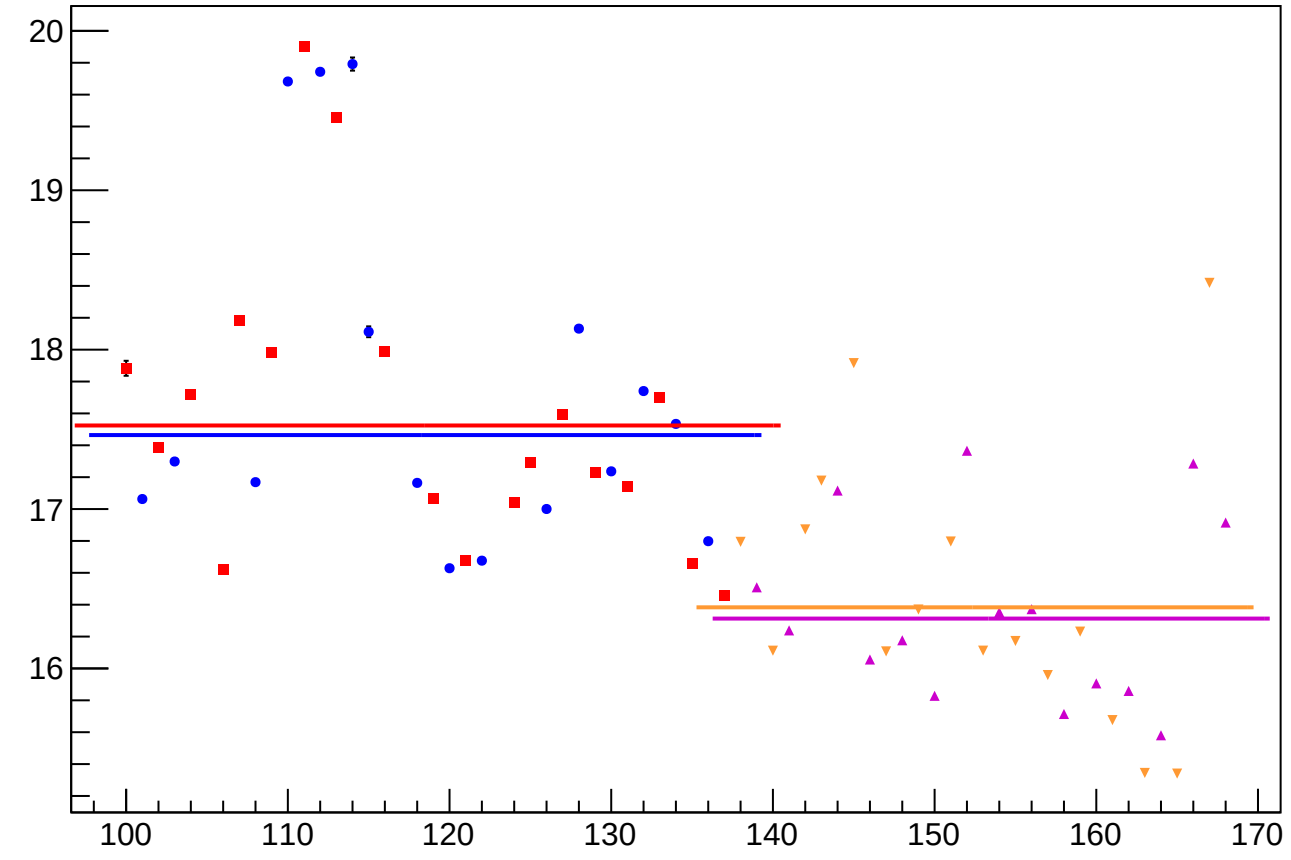
Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: -4.942+/-4.639 χ^2/NDF:18.9/14

+ sign -0.804+/-3.765 χ^2/NDF: 15.8/31

All: -0.796+/-2.659 χ^2/NDF: 51.4/65

- sign -0.787+/-3.756 χ^2/NDF: 35.6/33



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.383+/-0.003 χ^2/NDF:57540.8/15

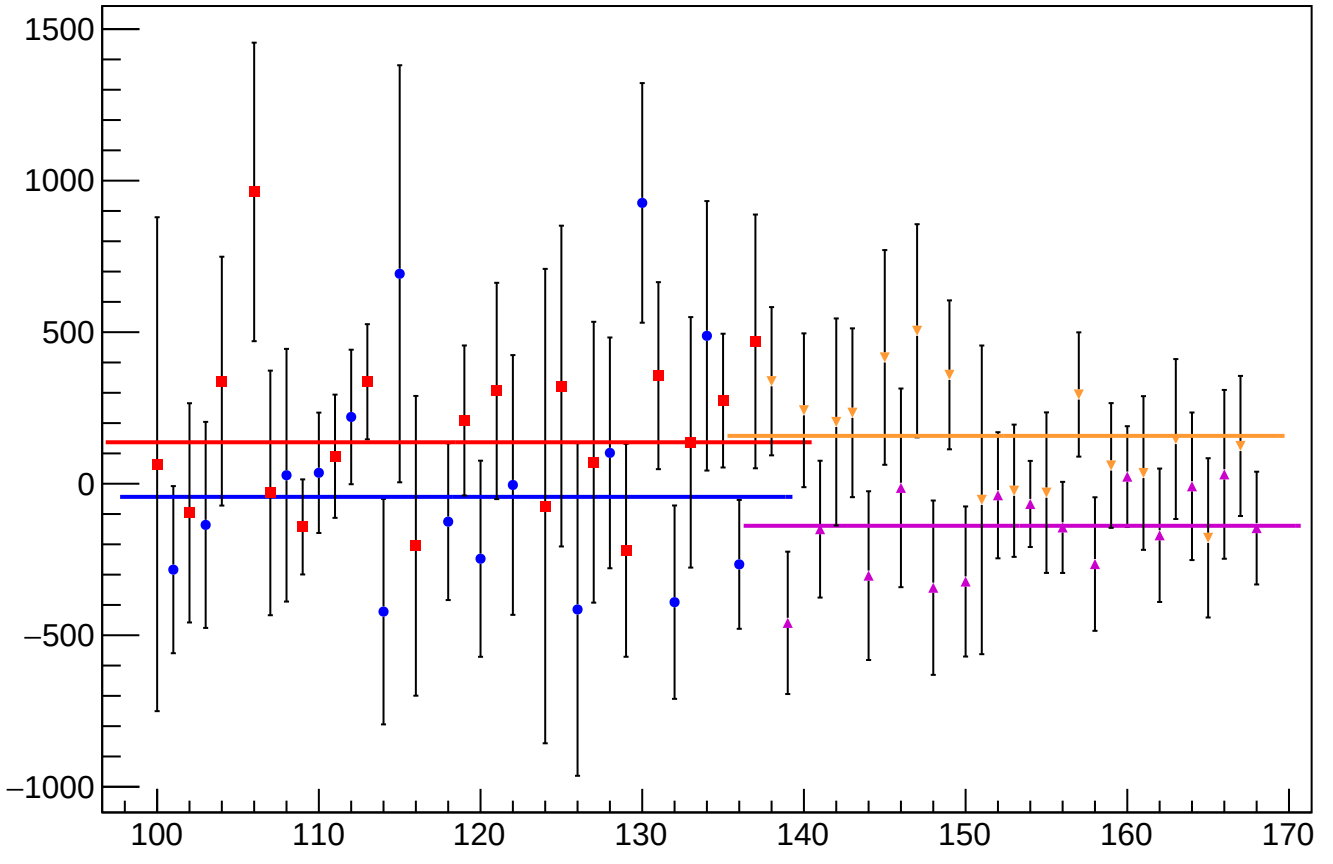
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.313+/-0.003 χ^2/NDF:26289.4/14

+ sign 16.746+/-0.003 χ^2/NDF: 130939.5/31

All: 16.738+/-0.002 χ^2/NDF: 238932.9/65

- sign 16.730+/-0.003 χ^2/NDF: 107974.8/33



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 157.897+/-65.101 χ^2/NDF:6.9/15

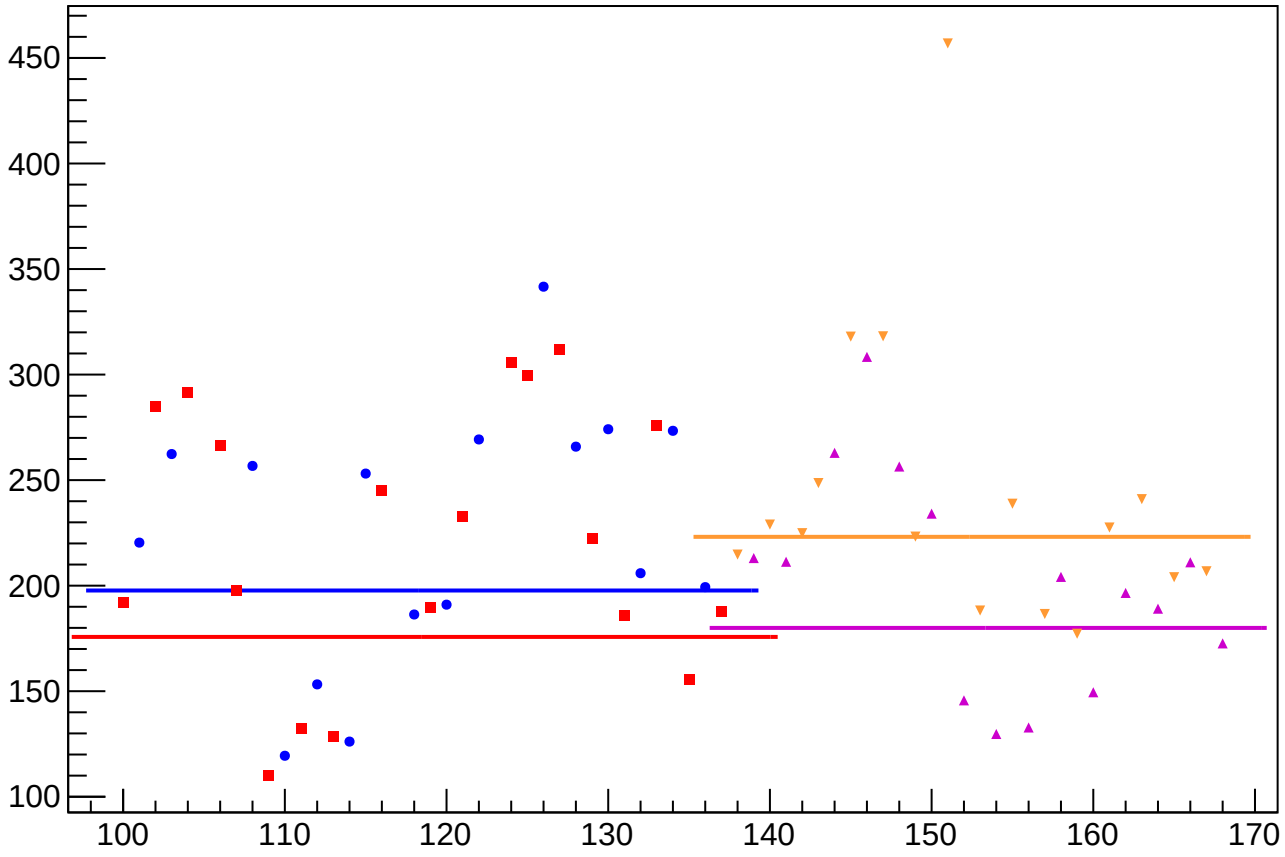
Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: -138.817+/-54.128 χ^2/NDF:5.9/14

+ sign 74.732+/-49.870 χ^2/NDF: 26.3/31

All: 11.515+/-32.443 χ^2/NDF: 56.2/65

- sign -34.870+/-42.718 χ^2/NDF: 27.2/33



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 223.131+/-0.046 χ^2/NDF:982525.8/15

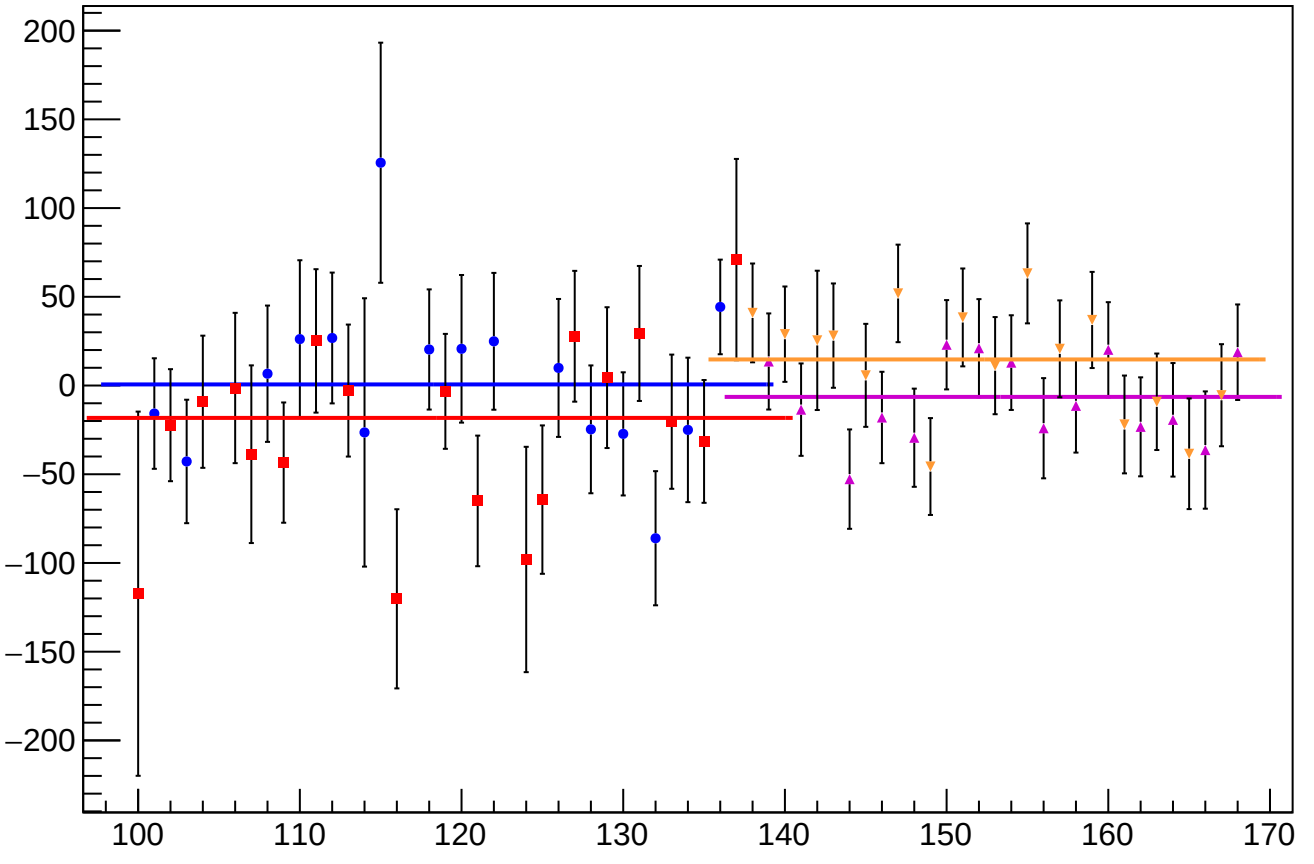
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 179.982+/-0.038 χ^2/NDF:1434587.8/14

+ sign 212.627+/-0.035 χ^2/NDF: 2108883.3/31

All: 192.870+/-0.023 χ^2/NDF: 5682945.5/65

- sign 178.373+/-0.030 χ^2/NDF: 3029834.9/33



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 14.700+/-7.097 χ^2/NDF:18.6/15

Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

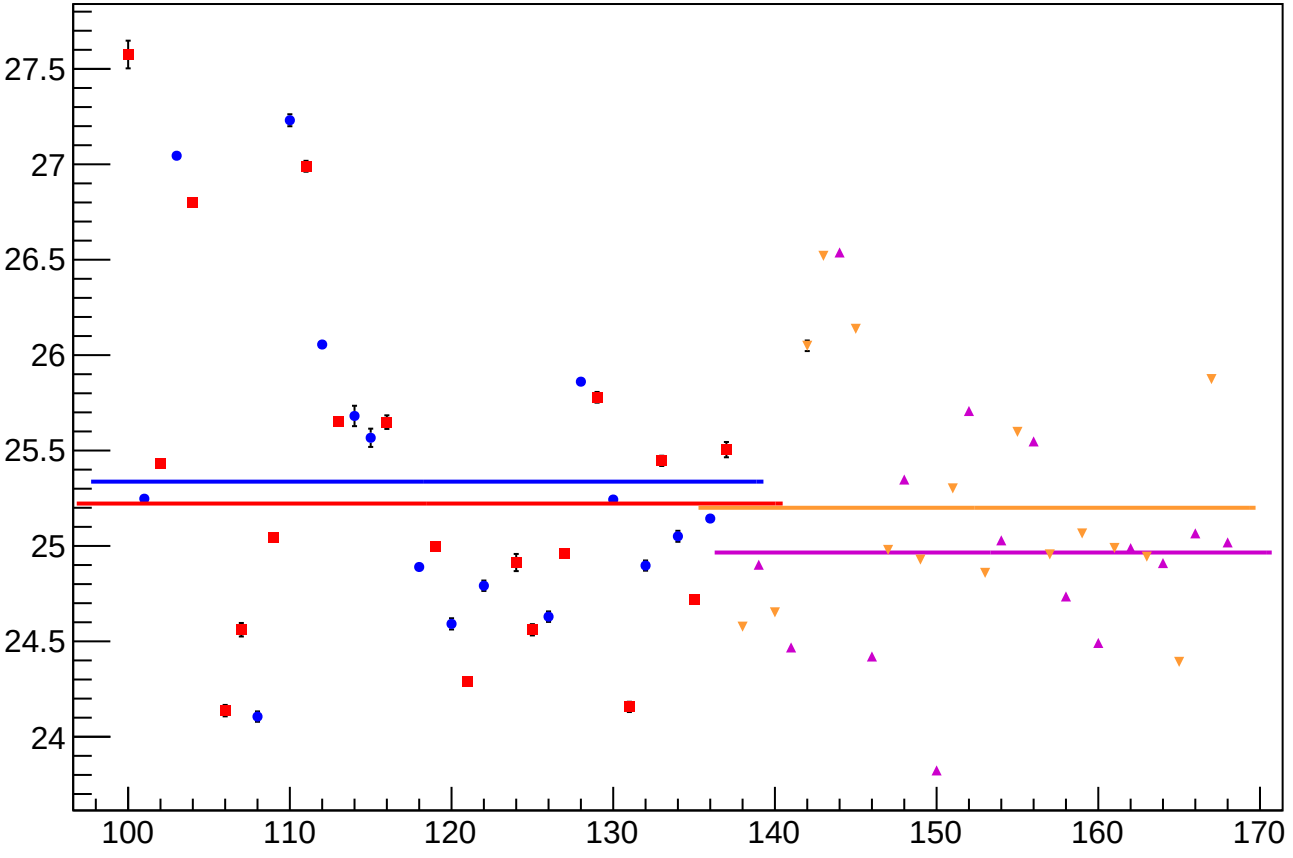
Left In: -6.412+/-7.096 χ^2/NDF:10.8/14

+ sign 9.603+/-5.669 χ^2/NDF: 36.8/31

All: -0.696+/-3.991 χ^2/NDF: 73.1/65

- sign -10.822+/-5.621 χ^2/NDF: 29.8/33

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.200+/-0.005 χ^2/NDF:12901.8/15

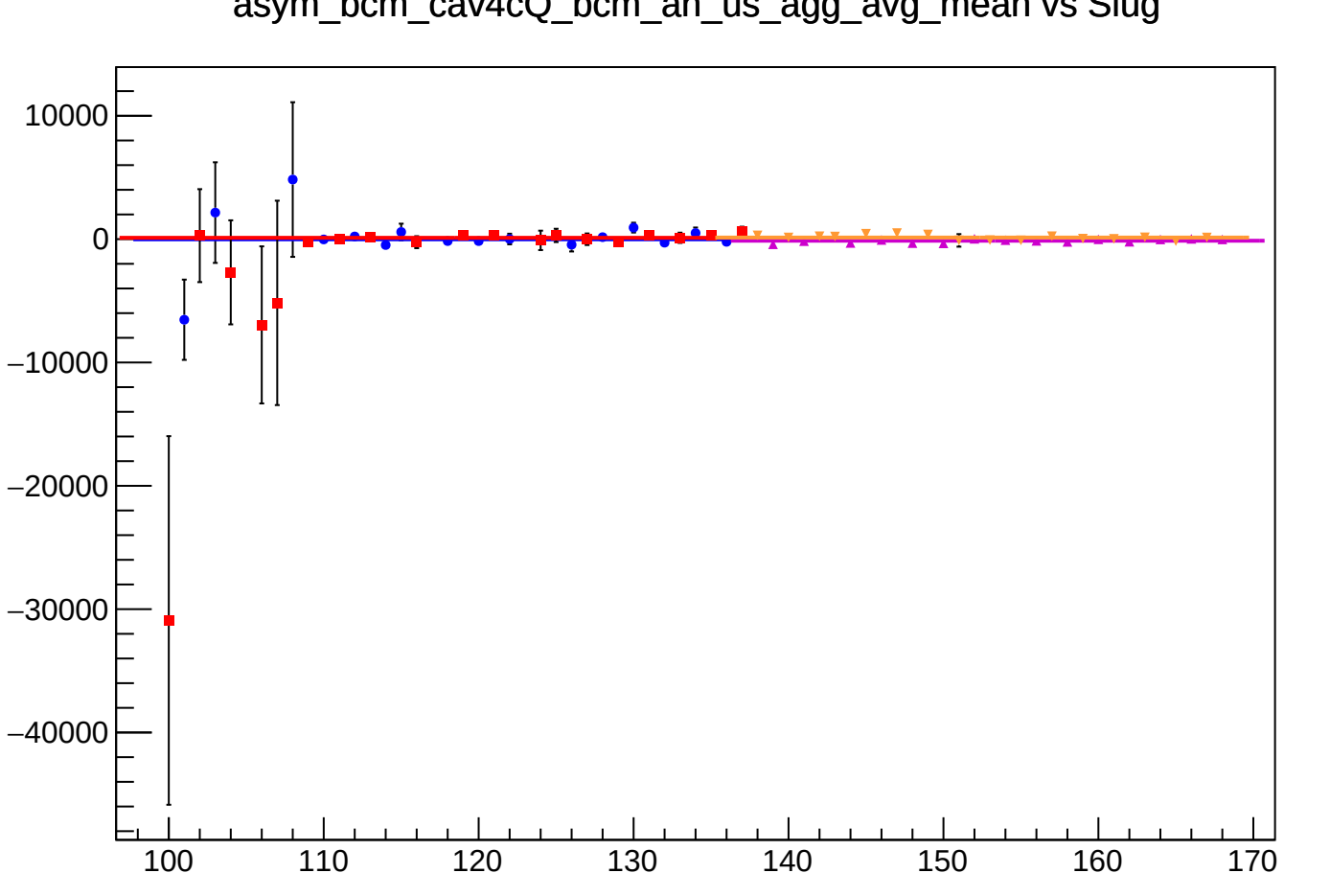
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.966+/-0.005 χ^2/NDF:15551.9/14

+ sign 25.250+/-0.004 χ^2/NDF: 27486.5/31

All: 25.155+/-0.003 χ^2/NDF: 60352.7/65

- sign 25.061+/-0.004 χ^2/NDF: 31751.0/33



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 128.721+/-65.734 χ^2/NDF:7.0/15

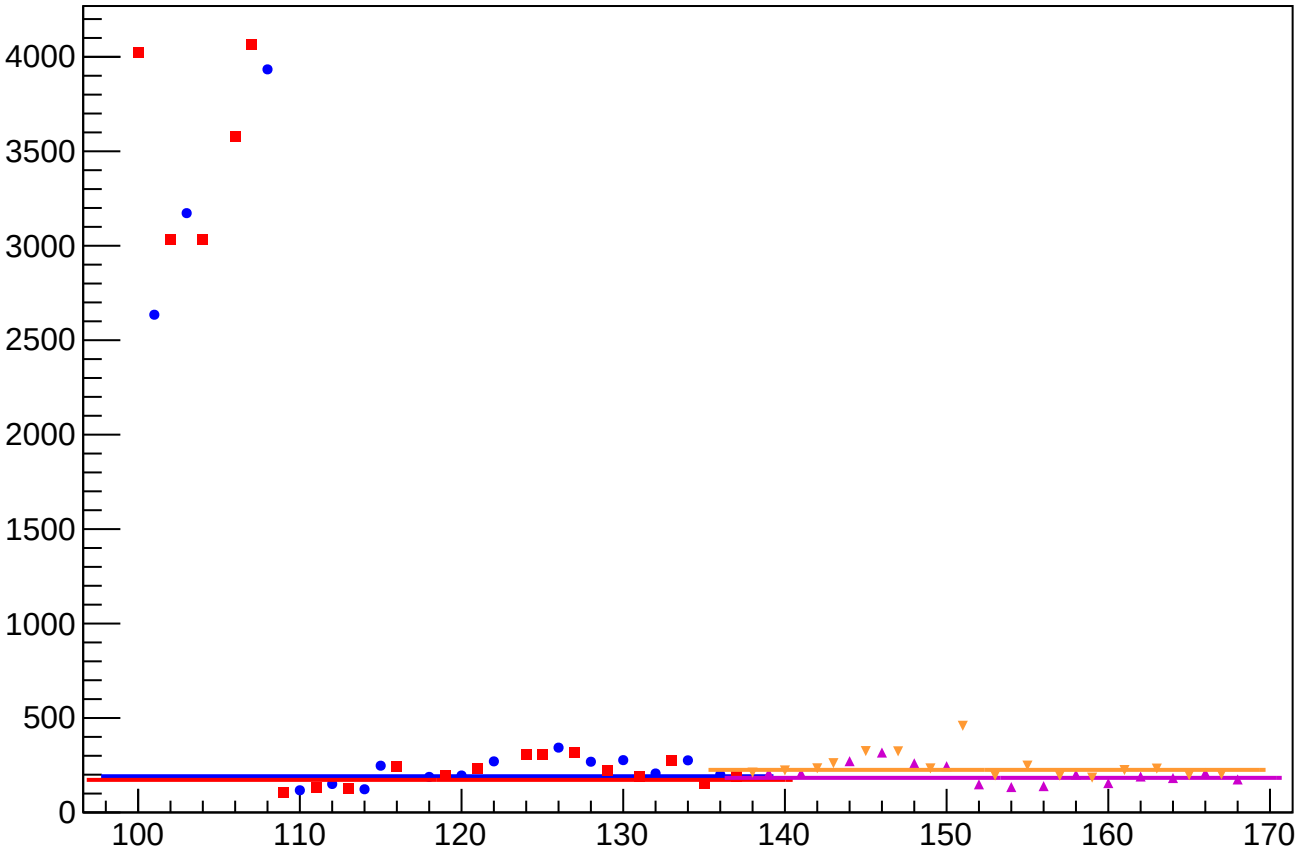
Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: -129.483+/-54.931 χ^2/NDF:5.4/14

+ sign 74.529+/-51.930 χ^2/NDF: 27.1/31

All: 2.963+/-33.978 χ^2/NDF: 56.1/65

- sign -50.610+/-44.930 χ^2/NDF: 25.6/33



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 225.464+/-0.046 χ^2/NDF:975062.4/15

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

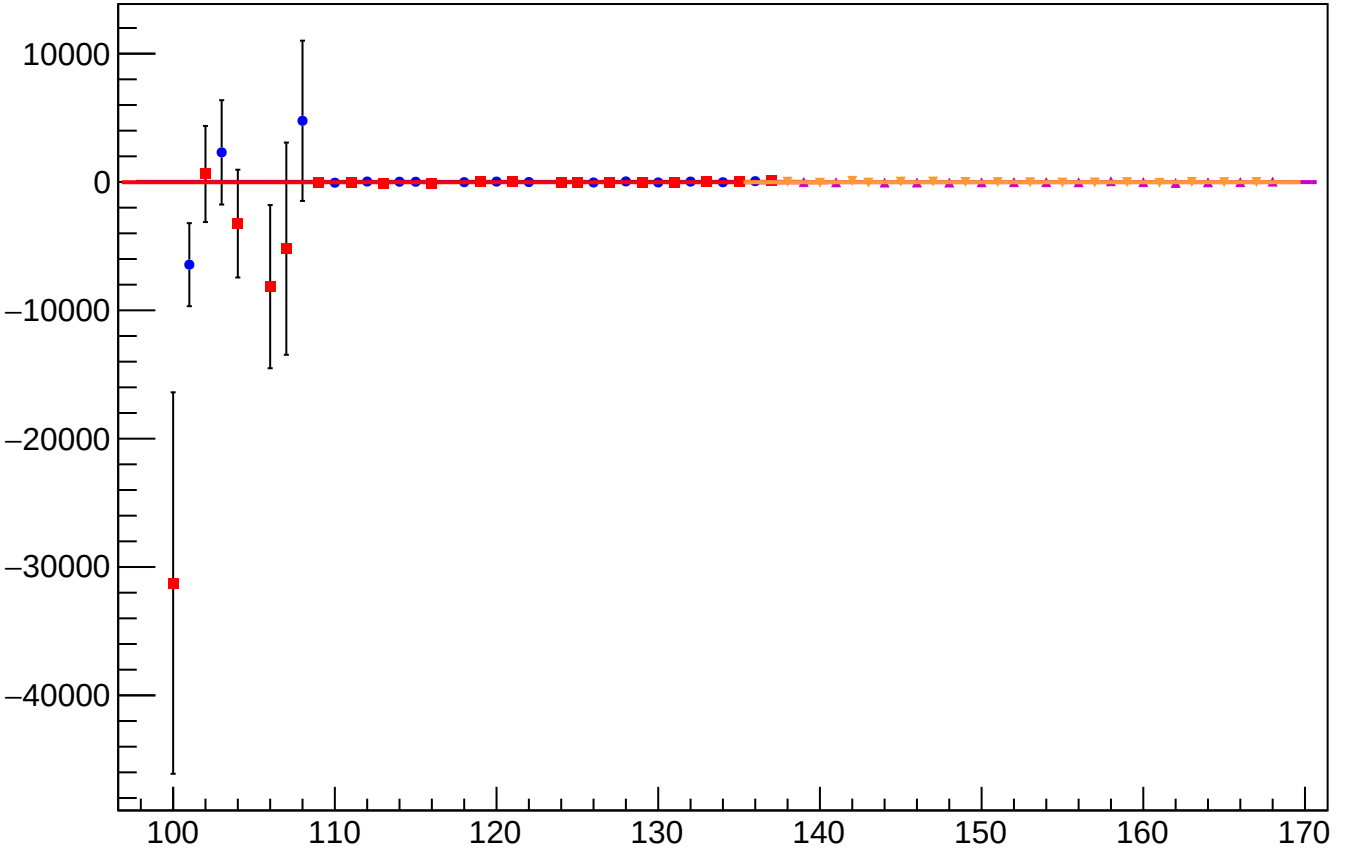
Left In: 183.174+/-0.039 χ^2/NDF:1320244.9/14

+ sign 212.786+/-0.037 χ^2/NDF: 4994792.7/31

All: 193.823+/-0.024 χ^2/NDF: 11109632.7/65

- sign 179.629+/-0.032 χ^2/NDF: 5648544.5/33

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: -15.004+/-8.139 χ^2/NDF:17.7/15

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

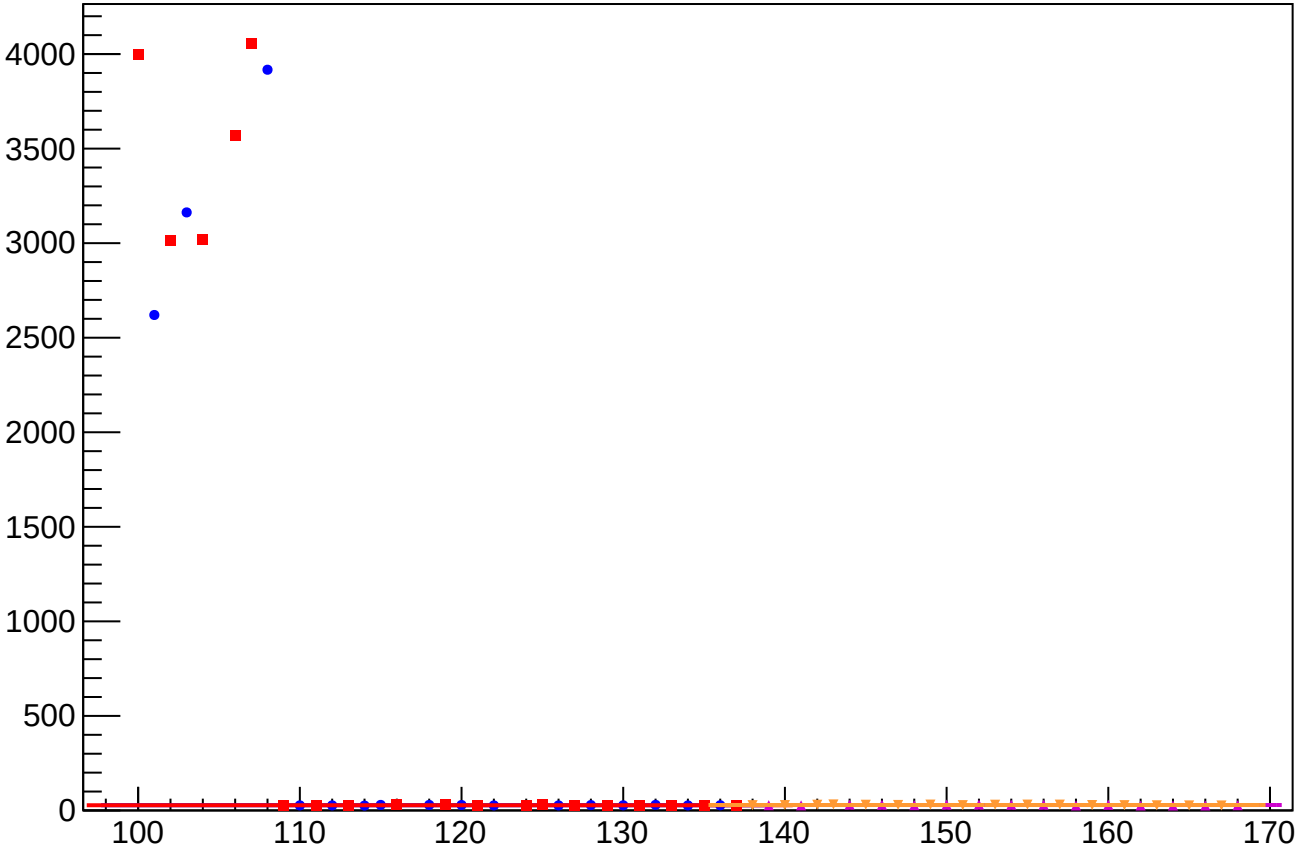
Left In: -8.100+/-8.203 χ^2/NDF:16.4/14

+ sign -6.974+/-6.679 χ^2/NDF: 36.6/31

All: -9.147+/-4.743 χ^2/NDF: 78.5/65

- sign -11.358+/-6.736 χ^2/NDF: 41.7/33

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: 28.833+/-0.006 χ^2/NDF:79509.0/15

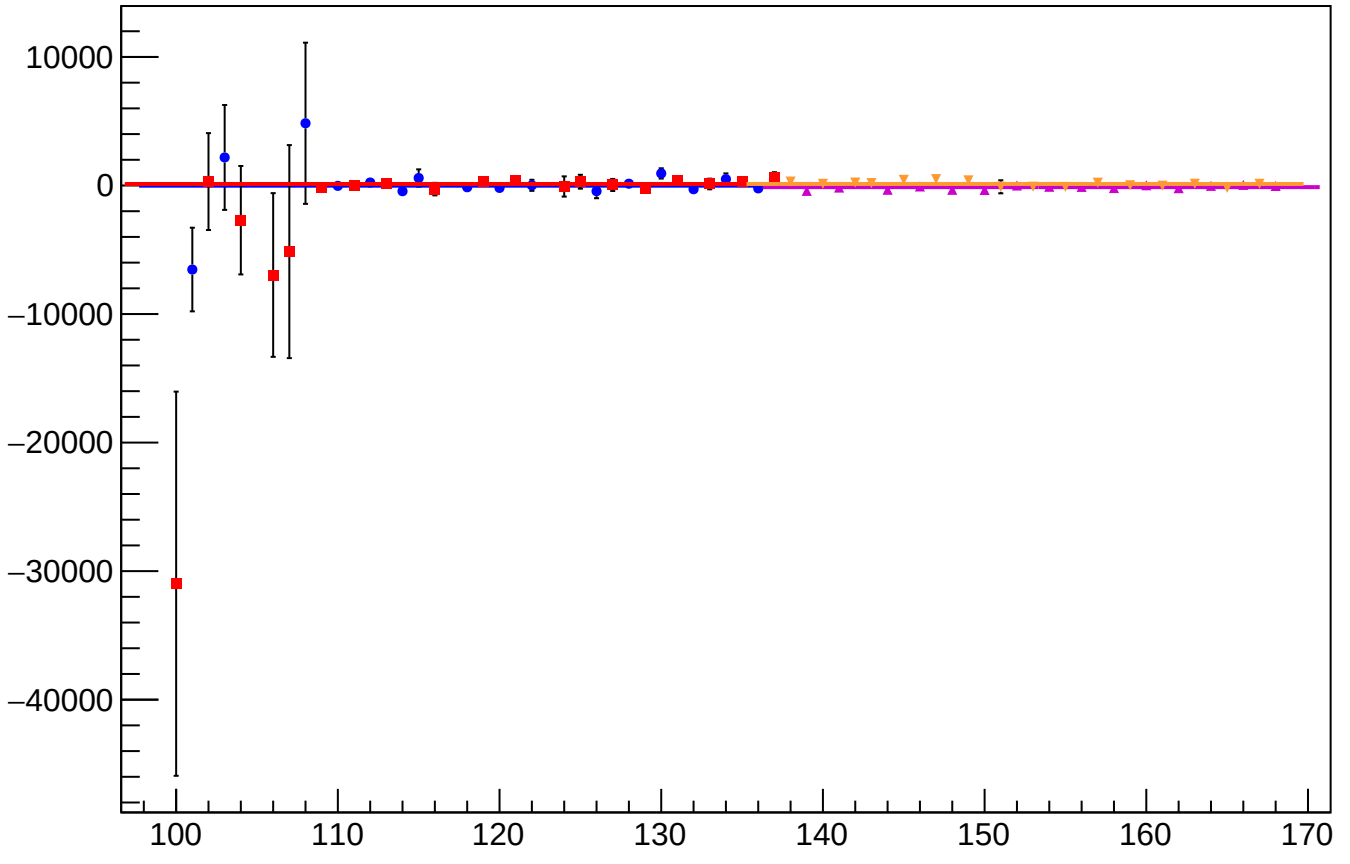
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.777+/-0.006 χ^2/NDF:108698.9/14

+ sign 28.444+/-0.005 χ^2/NDF: 3358999.8/31

All: 28.408+/-0.003 χ^2/NDF: 7037974.3/65

- sign 28.372+/-0.005 χ^2/NDF: 3678861.5/33



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 119.324+/-65.594 χ^2/NDF:7.8/15

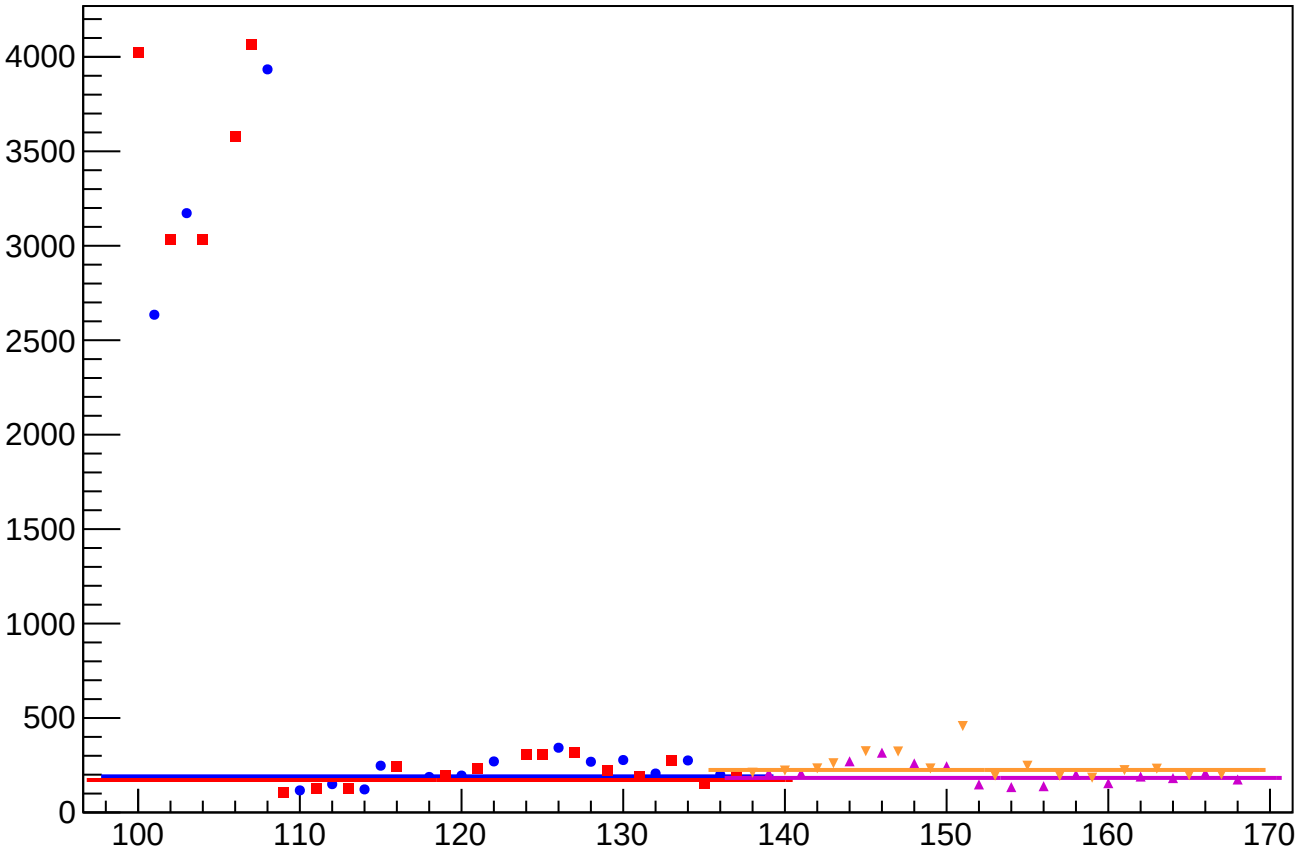
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -126.744+/-54.828 χ^2/NDF:5.6/14

+ sign 69.475+/-51.804 χ^2/NDF: 27.6/31

All: 3.678+/-33.899 χ^2/NDF: 57.1/65

- sign -45.594+/-44.829 χ^2/NDF: 26.6/33



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 224.987+/-0.046 χ^2/NDF:974819.6/15

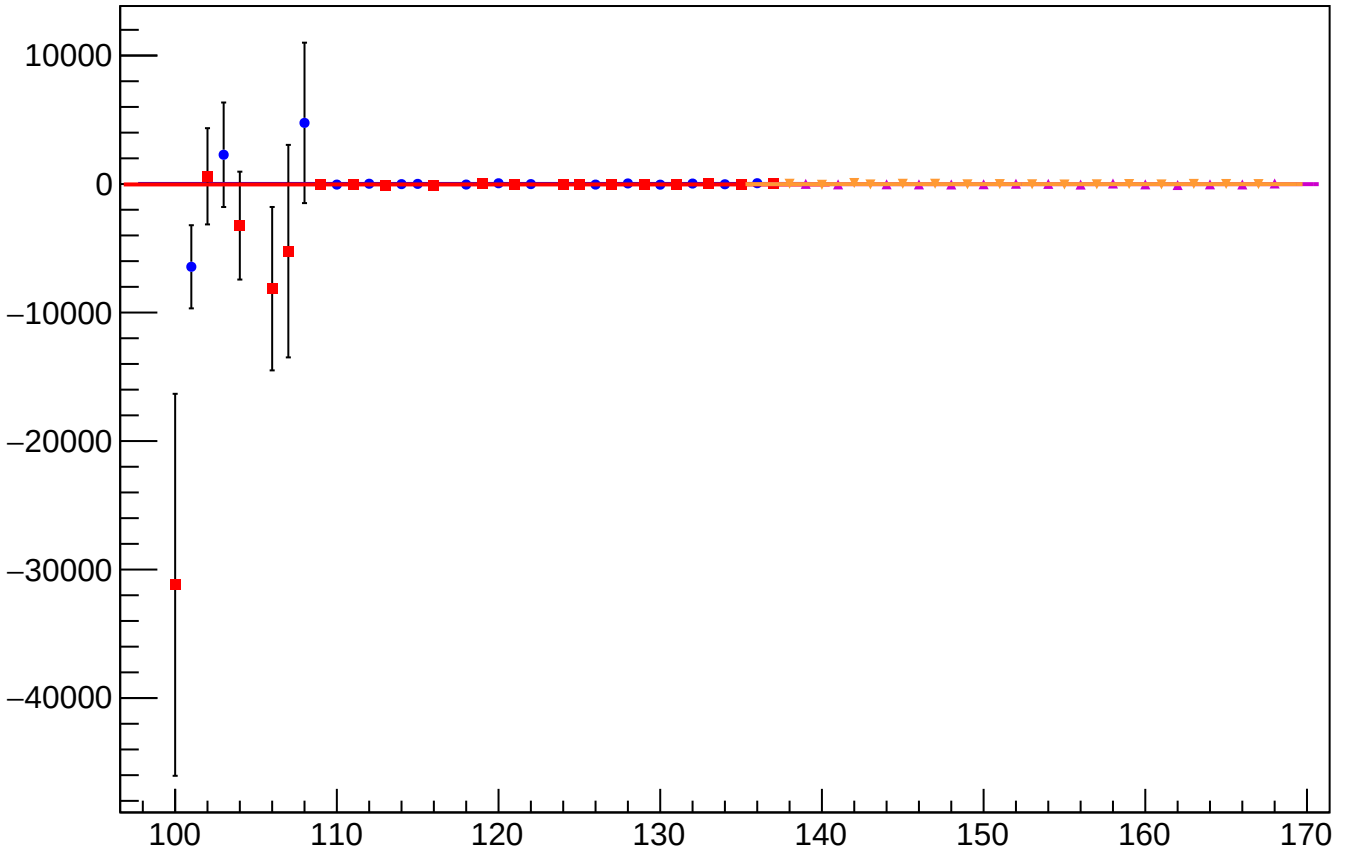
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 182.836+/-0.039 χ^2/NDF:1319788.5/14

+ sign 212.226+/-0.037 χ^2/NDF: 5009976.6/31

All: 193.335+/-0.024 χ^2/NDF: 11136258.7/65

- sign 179.189+/-0.032 χ^2/NDF: 5661200.2/33



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -8.504+/-8.202 χ^2/NDF:11.2/15

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

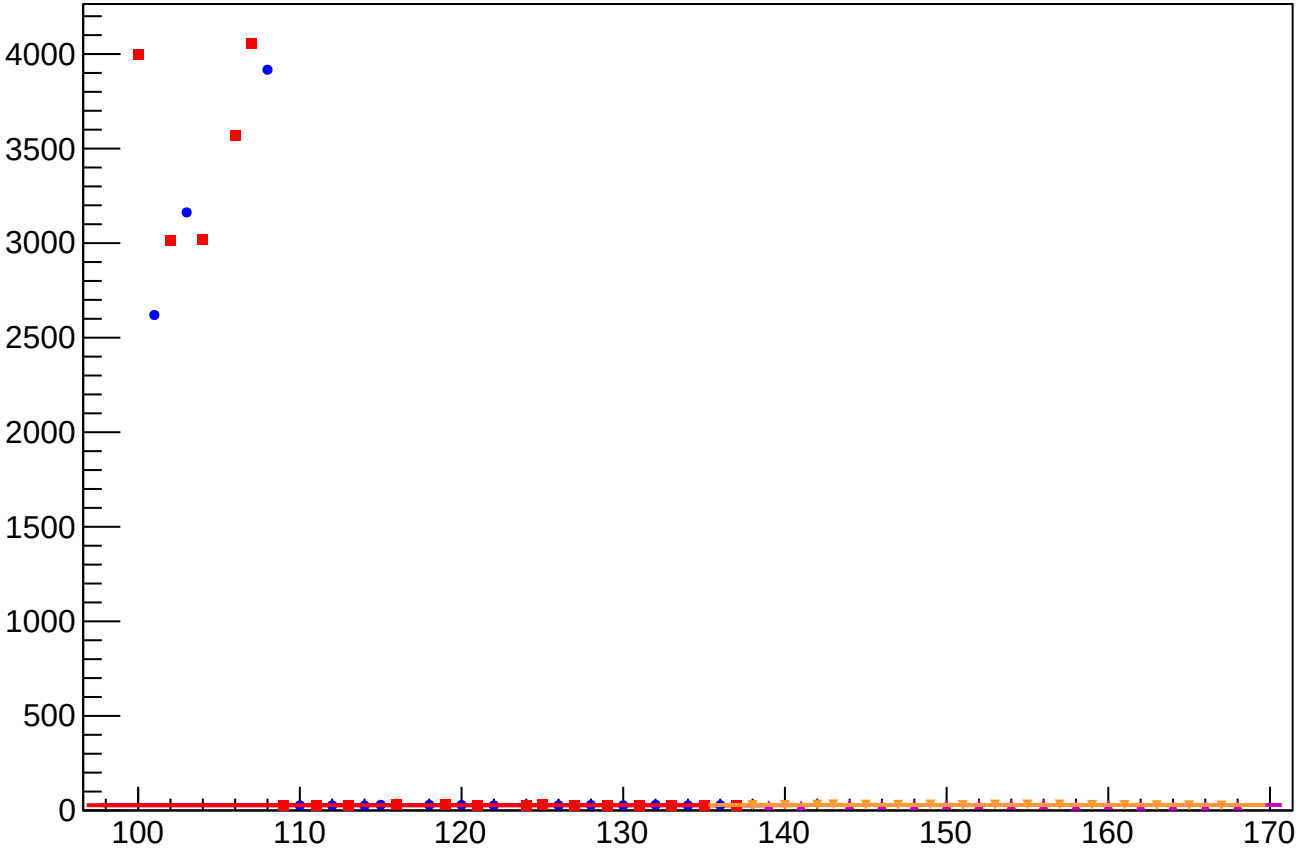
Left In: -8.946+/-8.254 χ^2/NDF:16.0/14

+ sign -3.600+/-6.728 χ^2/NDF: 30.6/31

All: -9.797+/-4.777 χ^2/NDF: 70.5/65

- sign -16.096+/-6.783 χ^2/NDF: 38.2/33

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.049+/-0.006 χ^2/NDF:84398.7/15

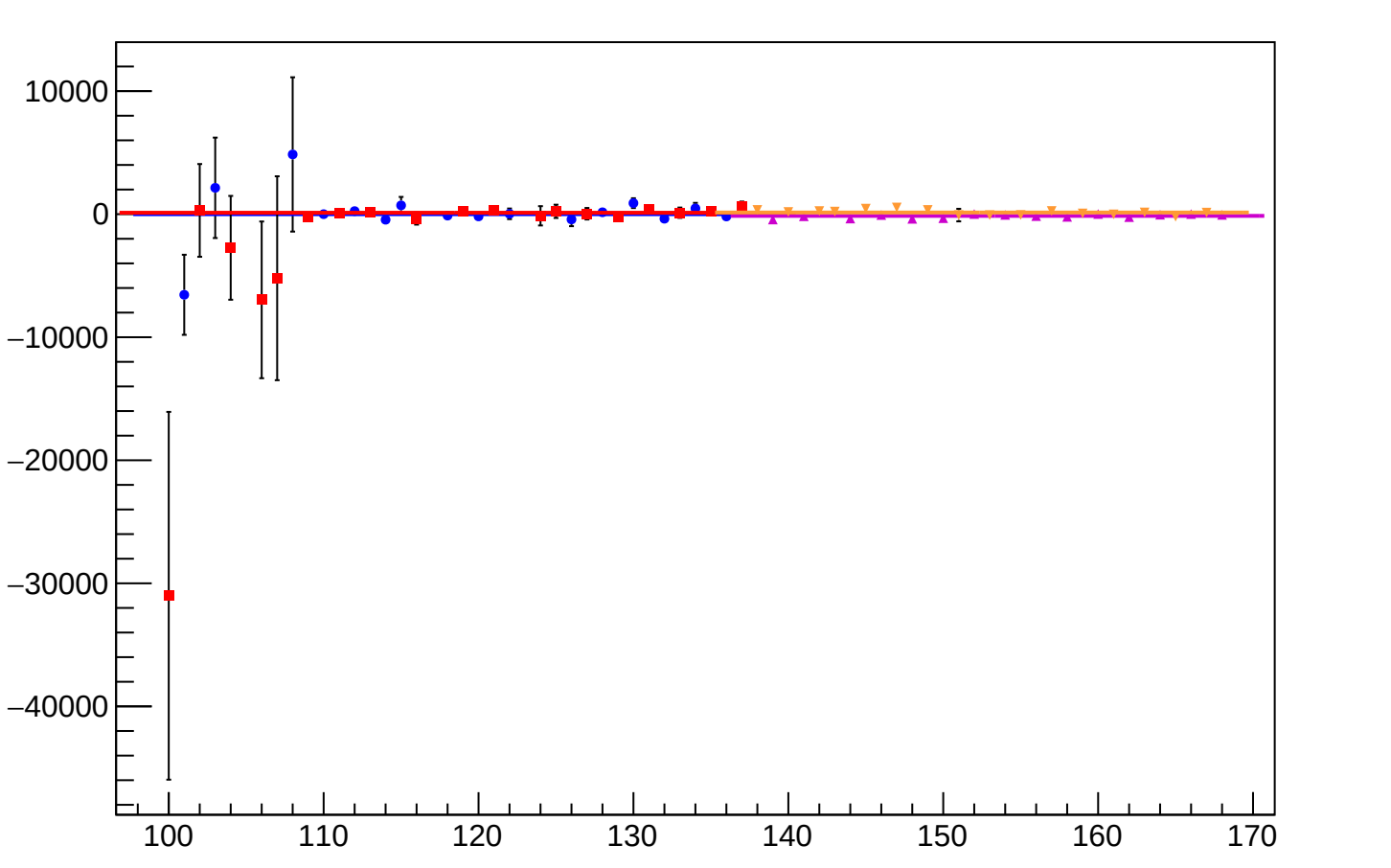
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.959+/-0.006 χ^2/NDF:109573.3/14

+ sign 28.648+/-0.005 χ^2/NDF: 3364855.8/31

All: 28.608+/-0.003 χ^2/NDF: 7047107.8/65

- sign 28.568+/-0.005 χ^2/NDF: 3682109.5/33



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 135.303+/-66.216 χ^2/NDF:7.7/15

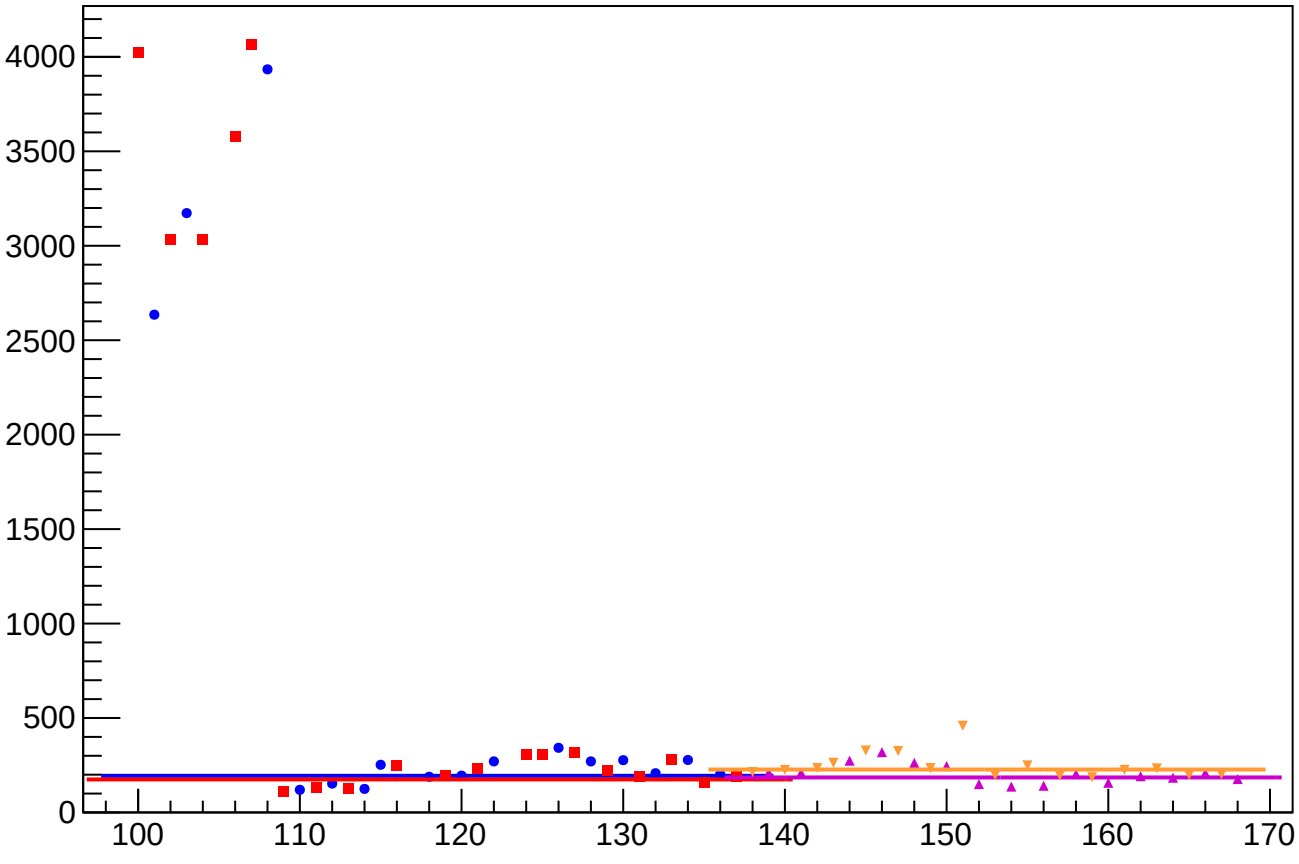
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -138.477+/-55.504 χ^2/NDF:6.0/14

+ sign 83.534+/-52.354 χ^2/NDF: 27.6/31

All: 4.820+/-34.302 χ^2/NDF: 58.2/65

- sign -54.389+/-45.407 χ^2/NDF: 26.7/33



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 227.212+/-0.047 χ^2/NDF:968044.1/15

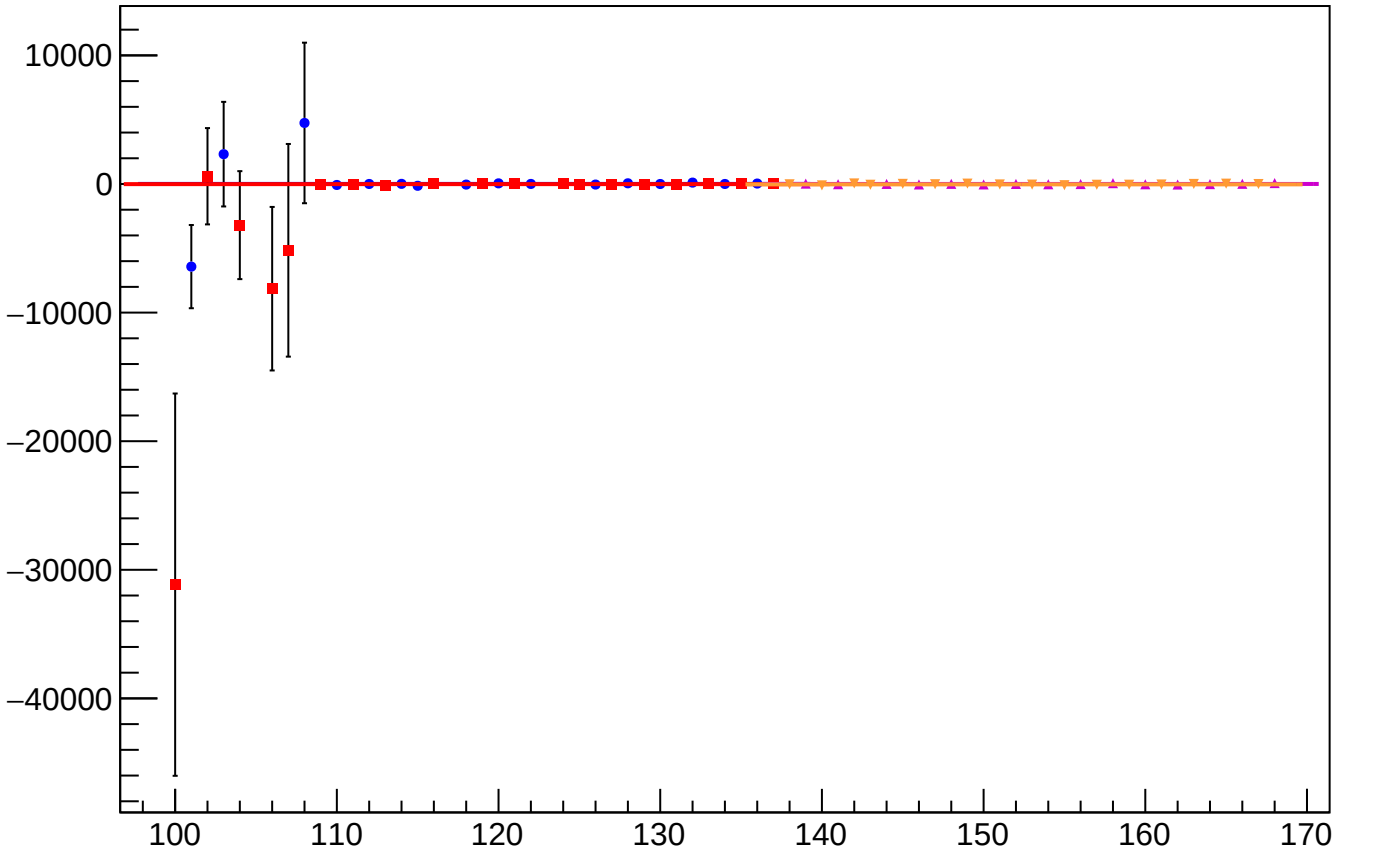
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 185.269+/-0.039 χ^2/NDF:1292290.4/14

+ sign 214.741+/-0.037 χ^2/NDF: 4941731.9/31

All: 195.941+/-0.024 χ^2/NDF: 10968878.6/65

- sign 181.799+/-0.032 χ^2/NDF: 5575239.0/33



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -29.511+/-9.715 χ^2/NDF:17.0/15

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

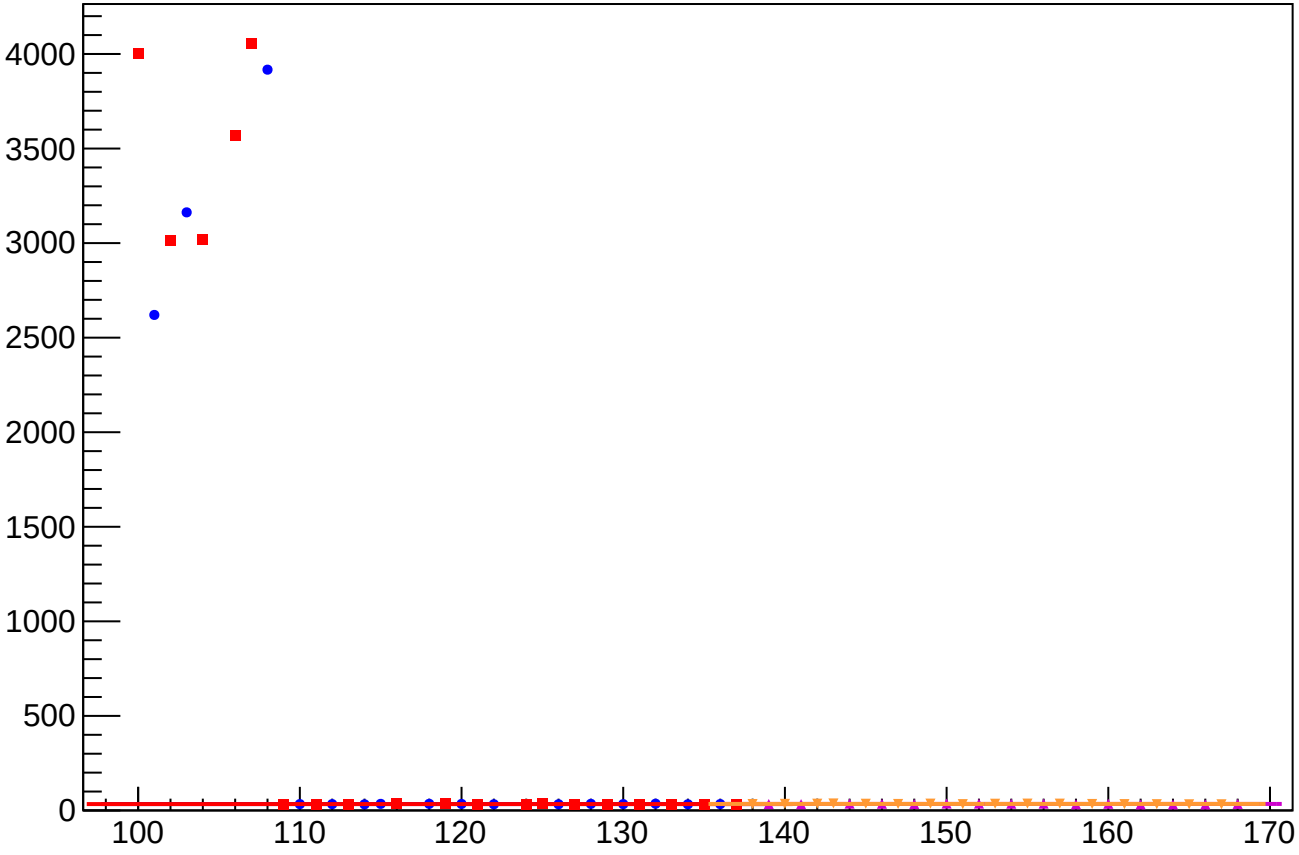
Left In: 3.046+/-9.811 χ^2/NDF:11.7/14

+ sign -18.410+/-8.037 χ^2/NDF: 38.6/31

All: -9.827+/-5.710 χ^2/NDF: 76.6/65

- sign -1.078+/-8.114 χ^2/NDF: 35.7/33

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: 34.470+/-0.007 χ^2/NDF:36832.4/15

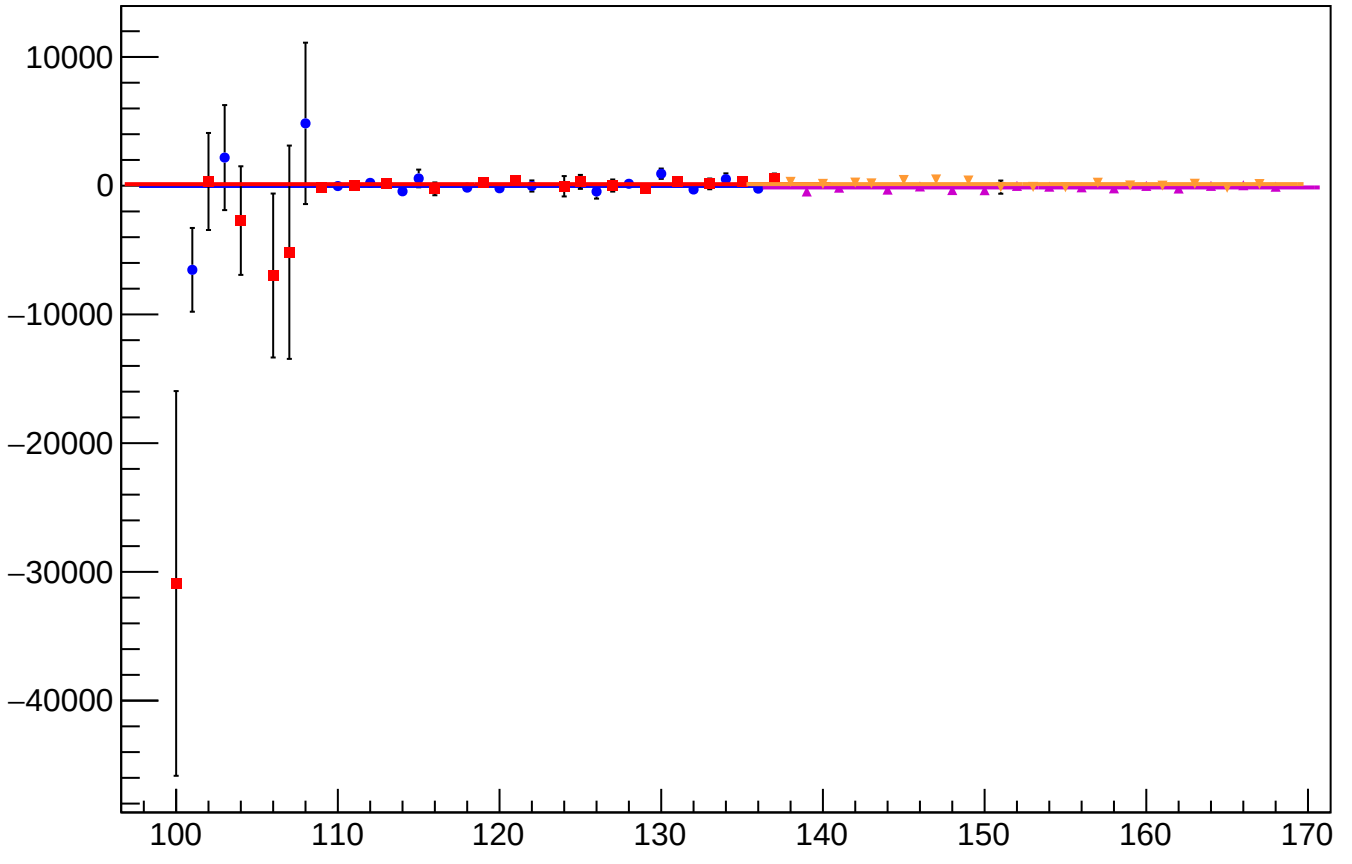
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.491+/-0.007 χ^2/NDF:48889.8/14

+ sign 34.290+/-0.006 χ^2/NDF: 3283393.5/31

All: 34.270+/-0.004 χ^2/NDF: 6862611.9/65

- sign 34.249+/-0.006 χ^2/NDF: 3579192.7/33



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 123.406+/-66.094 χ^2/NDF:7.5/15

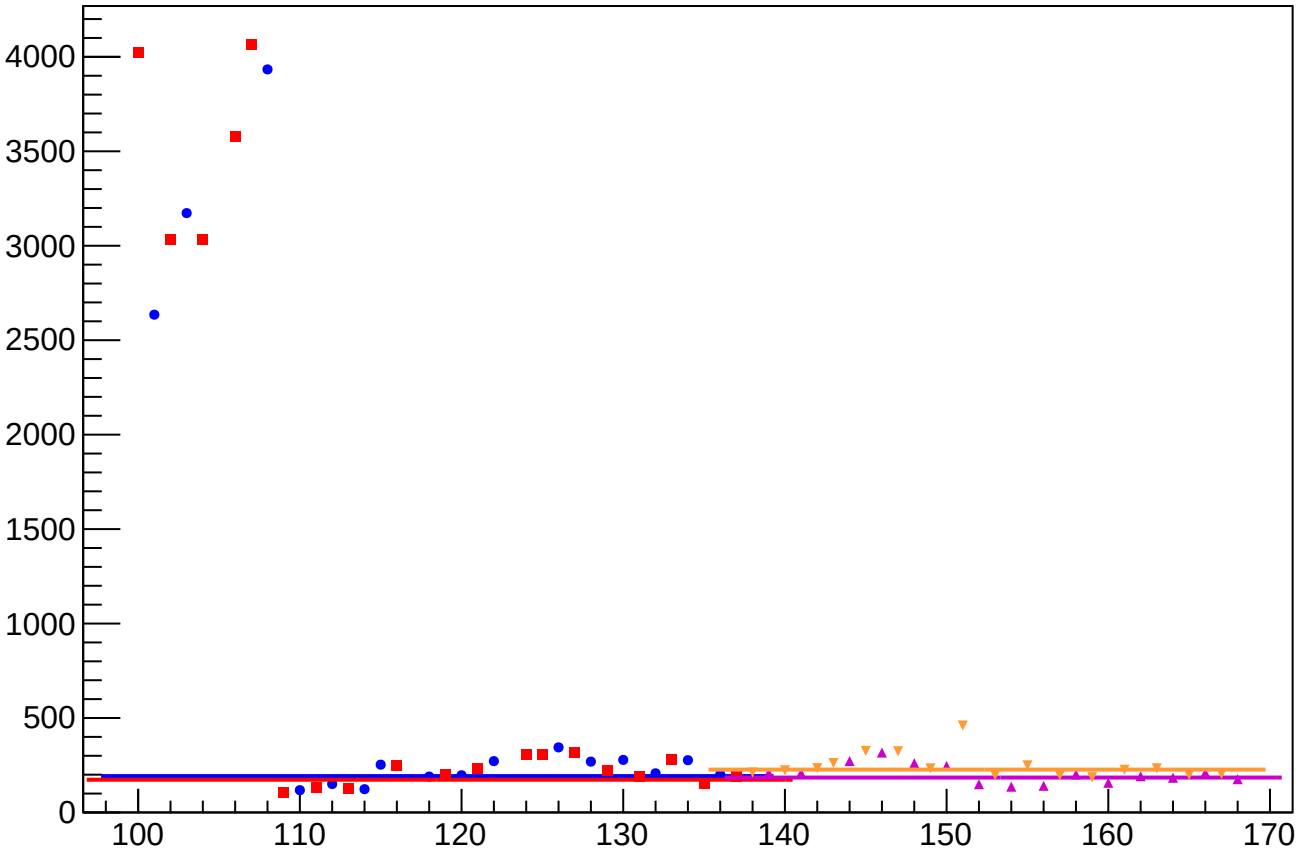
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -136.210+/-55.349 χ^2/NDF:5.3/14

+ sign 69.600+/-52.191 χ^2/NDF: 27.4/31

All: 0.668+/-34.179 χ^2/NDF: 56.2/65

- sign -51.094+/-45.227 χ^2/NDF: 25.7/33



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 226.812+/-0.047 χ^2/NDF:959365.4/15

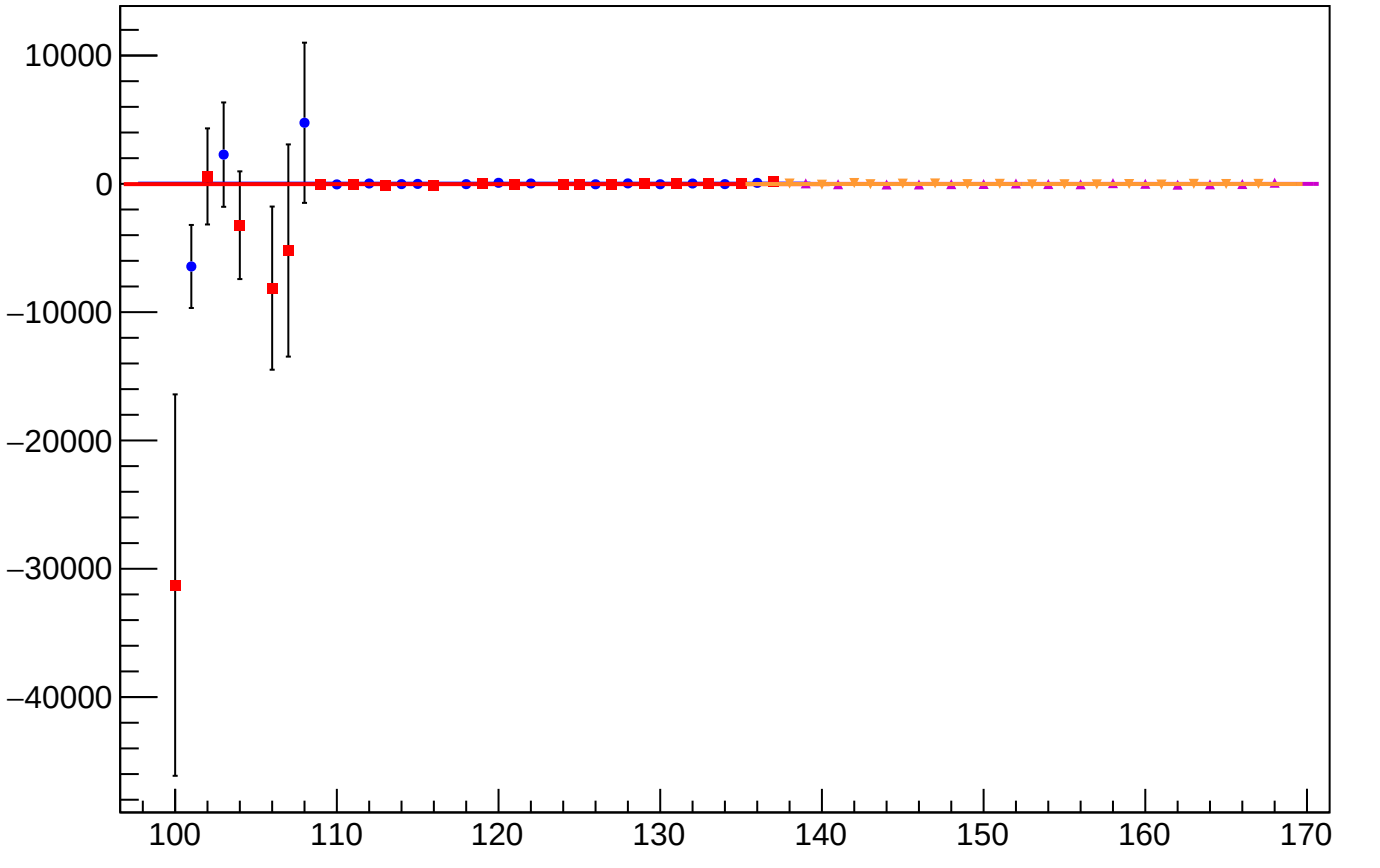
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 184.757+/-0.039 χ^2/NDF:1279997.5/14

+ sign 213.918+/-0.037 χ^2/NDF: 4984356.9/31

All: 195.079+/-0.024 χ^2/NDF: 11056748.6/65

- sign 180.933+/-0.032 χ^2/NDF: 5616151.3/33



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -14.999+/-8.827 χ^2/NDF:11.7/15

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

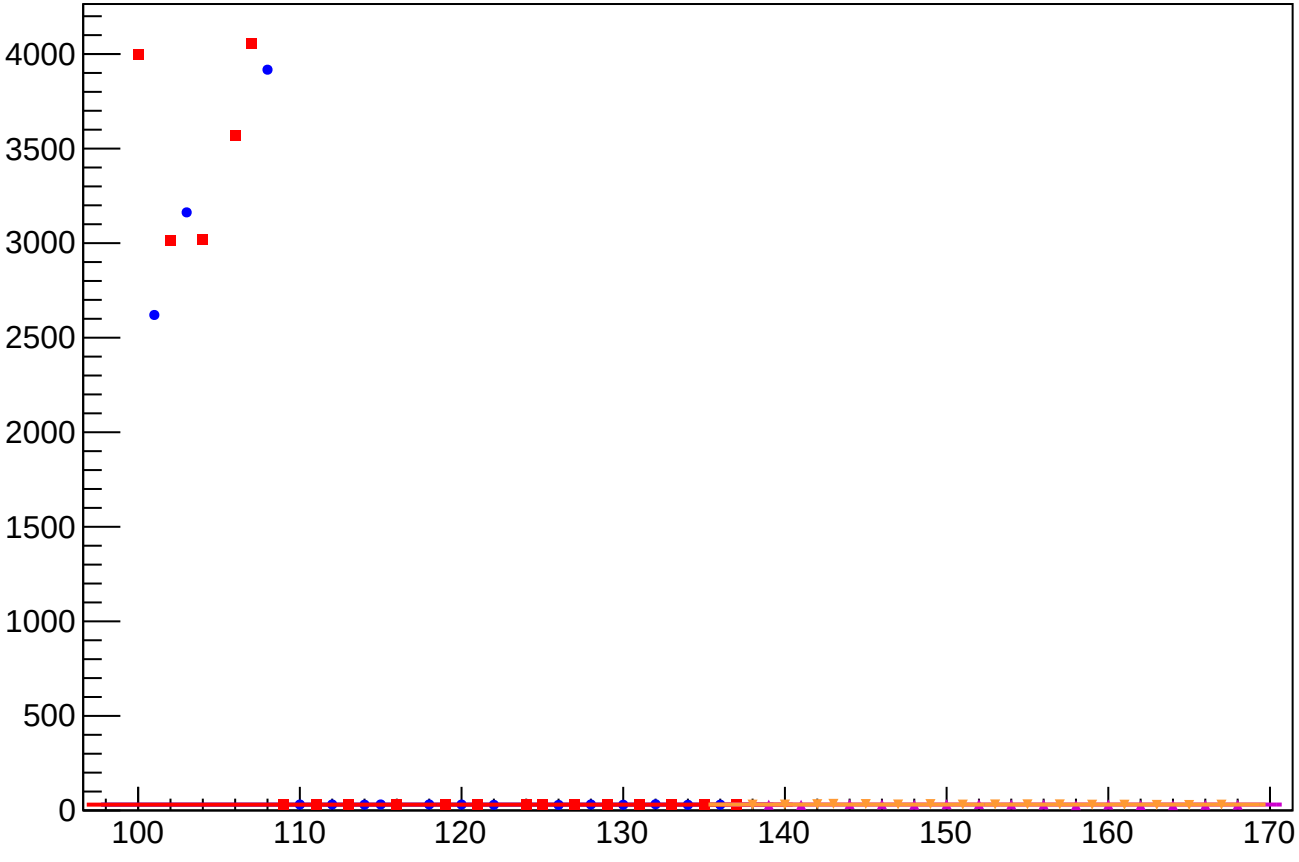
Left In: -3.476+/-8.891 χ^2/NDF:22.5/14

+ sign -5.997+/-7.314 χ^2/NDF: 30.4/31

All: -7.811+/-5.192 χ^2/NDF: 83.3/65

- sign -9.653+/-7.371 χ^2/NDF: 52.7/33

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: 31.291+/-0.006 χ^2/NDF:58029.2/15

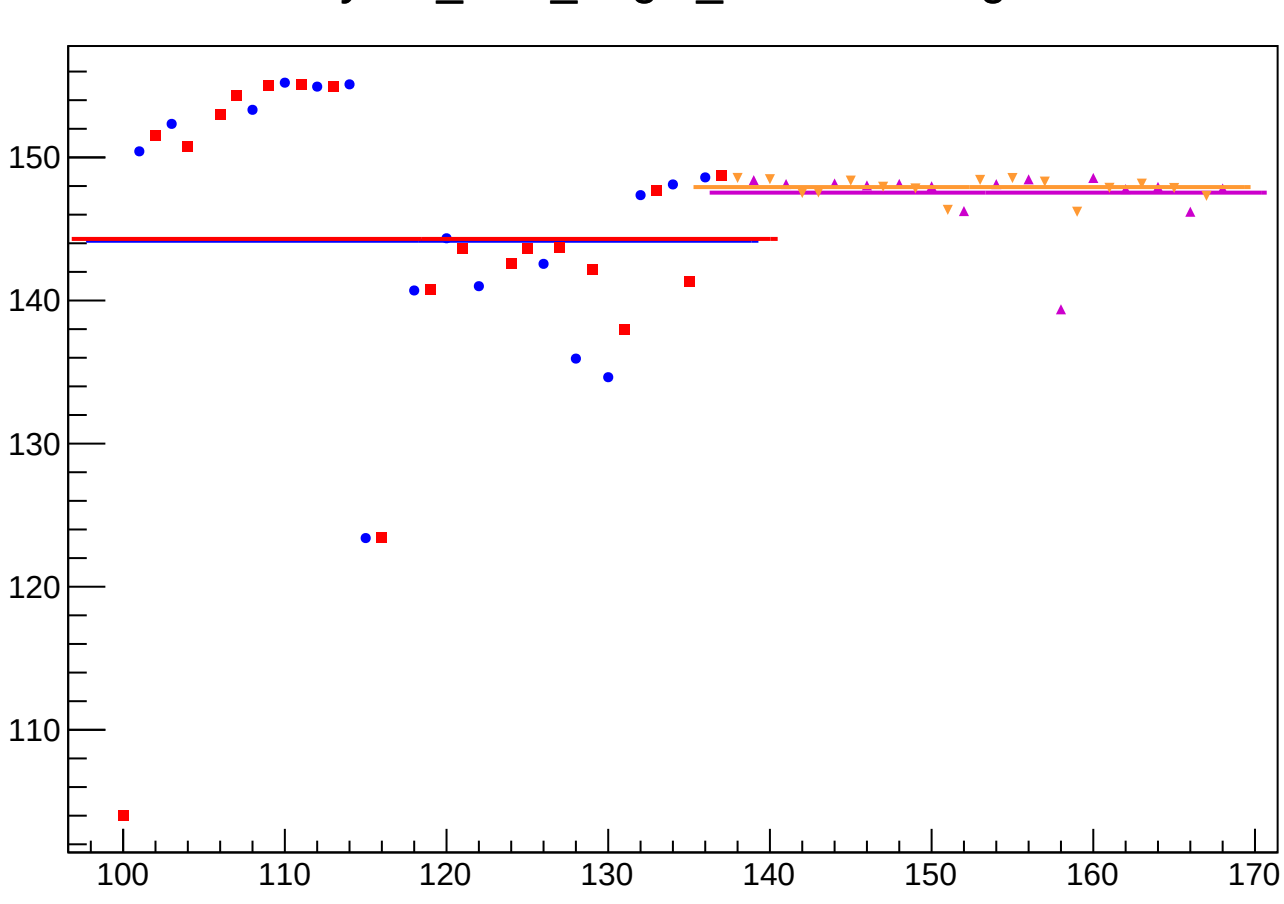
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.215+/-0.006 χ^2/NDF:76829.4/14

+ sign 31.178+/-0.005 χ^2/NDF: 3311697.0/31

All: 31.128+/-0.004 χ^2/NDF: 6926462.4/65

- sign 31.078+/-0.005 χ^2/NDF: 3614581.6/33



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.927+/-0.000 χ^2/NDF:33805600.9/15

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

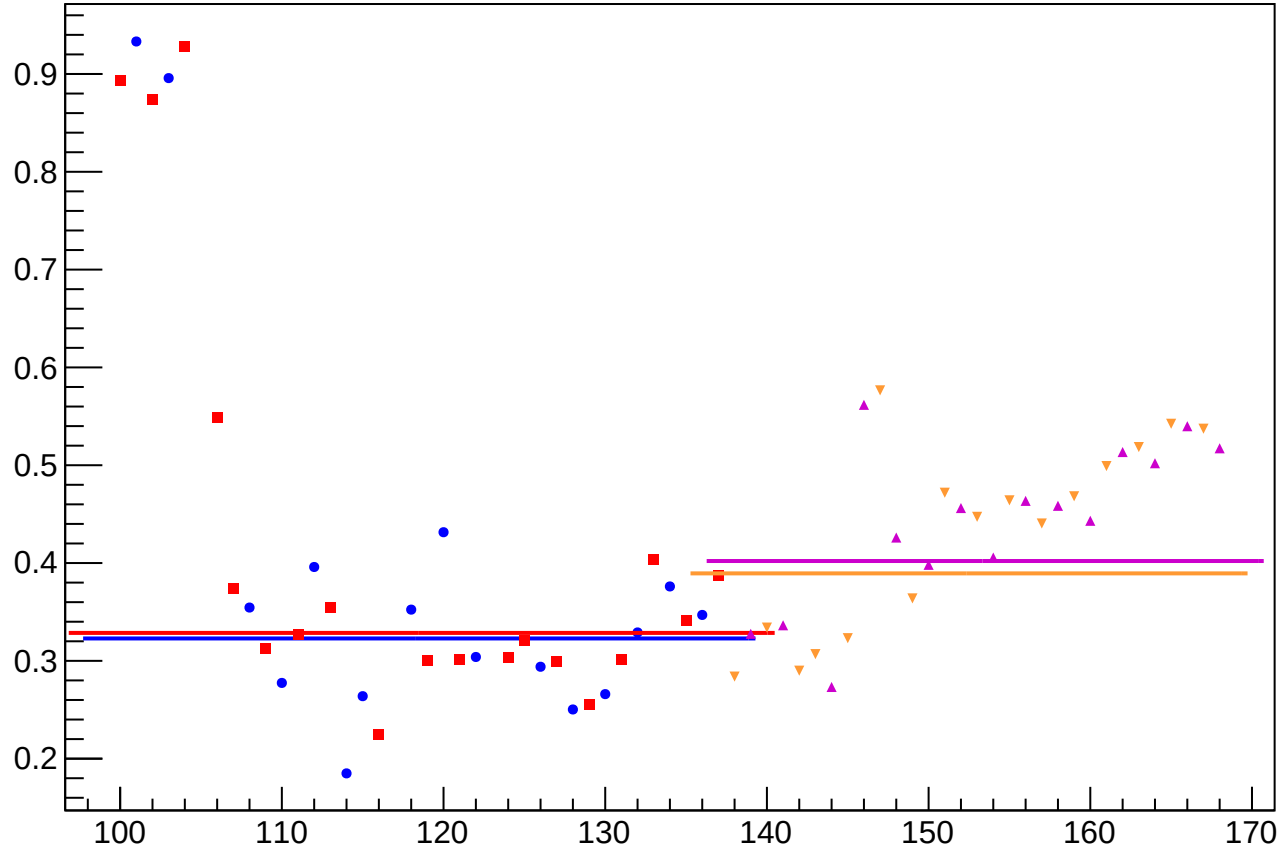
Left In: 147.538+/-0.000 χ^2/NDF:288446843.1/14

+ sign 146.314+/-0.000 χ^2/NDF: 4216165594.0/31

All: 146.208+/-0.000 χ^2/NDF: 9099651549.4

- sign 146.098+/-0.000 χ^2/NDF: 4880477357.5/33

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.389+/-0.000 χ^2/NDF:1275871.0/15

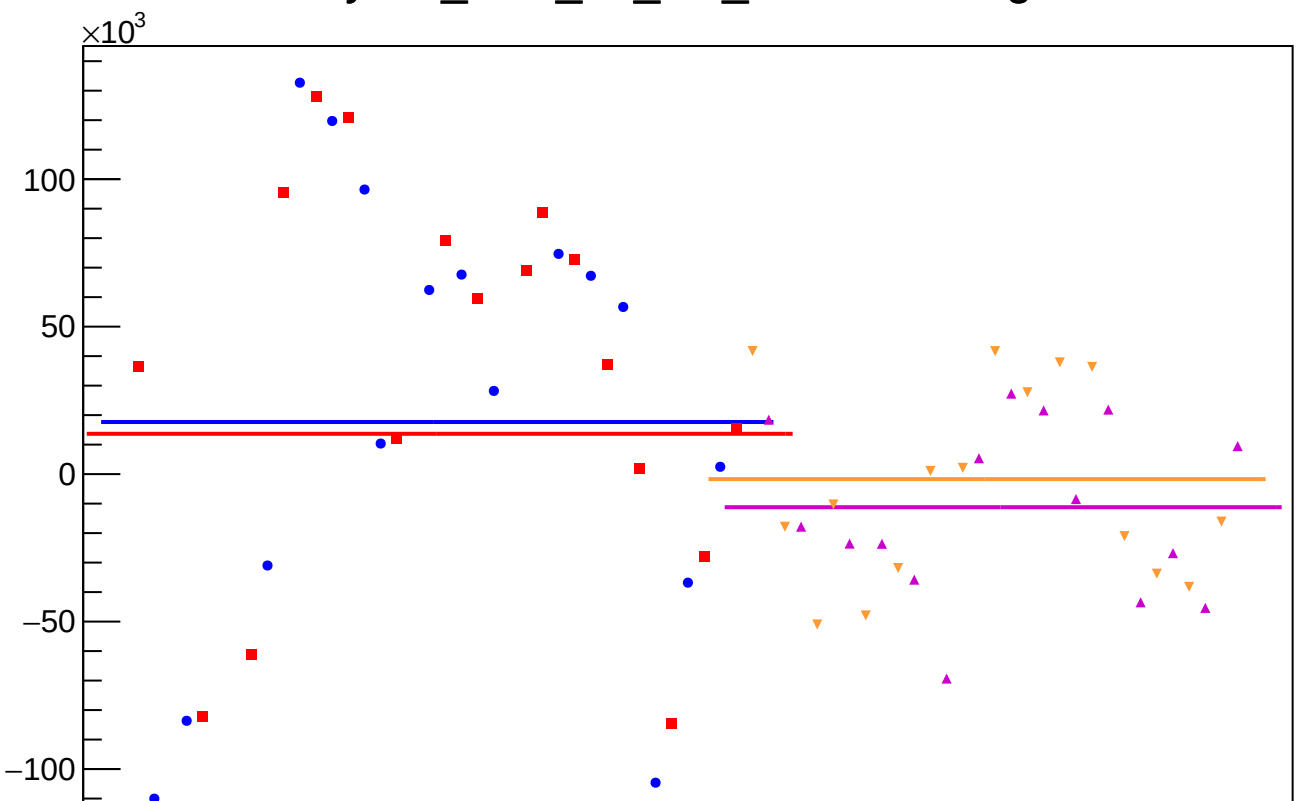
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.402+/-0.000 χ^2/NDF:1043354.3/14

+ sign 0.361+/-0.000 χ^2/NDF: 2959839.1/31

All: 0.365+/-0.000 χ^2/NDF: 5655287.7/65

- sign 0.369+/-0.000 χ^2/NDF: 2685988.5/33



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -1704.732+/-1.381 χ^2/NDF:518453150.2/15

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

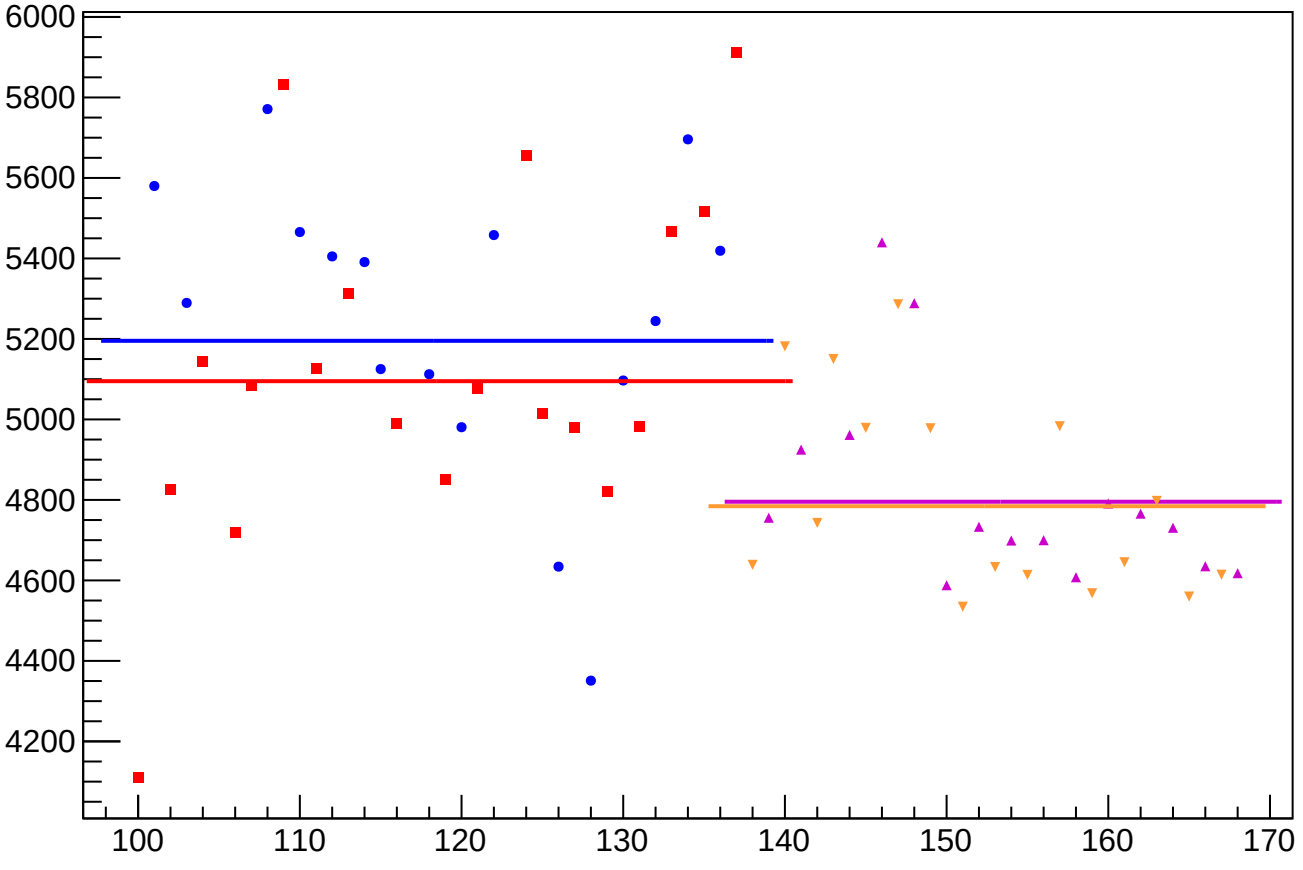
Left In: -11223.098+/-1.397 χ^2/NDF:432535726.6/14

+ sign 4522.978+/-1.137 χ^2/NDF: 1980471257.0/31

All: 921.965+/-0.802 χ^2/NDF: 4399420539.2

- sign -2637.104+/-1.131 χ^2/NDF: 2399012525.0/33

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4784.305+/-0.976 χ^2/NDF:58159.6/15

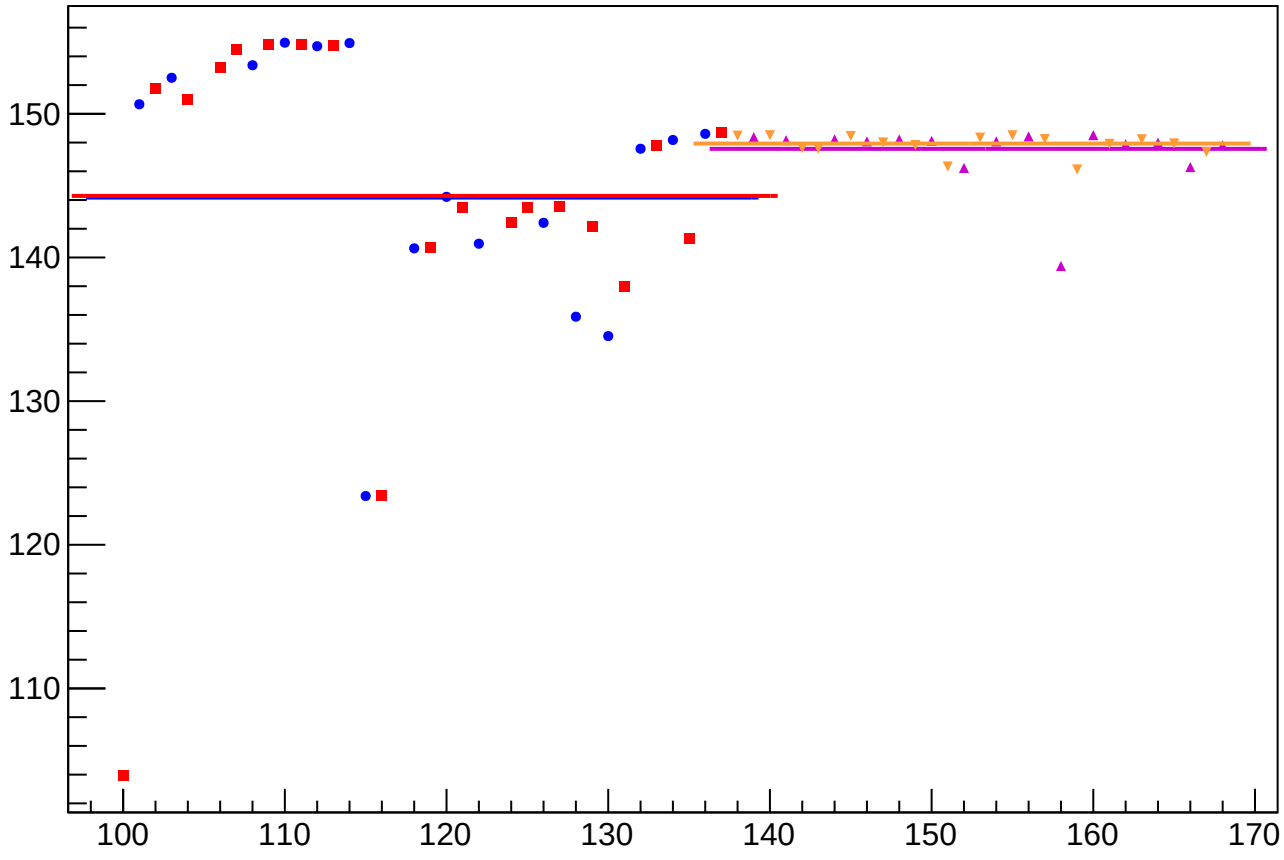
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4795.481+/-0.988 χ^2/NDF:51219.6/14

\+ sign 4916.455+/-0.804 χ^2/NDF: 192311.6/31

All: 4907.587+/-0.567 χ^2/NDF: 334613.9/65

\- sign 4898.821+/-0.799 χ^2/NDF: 142060.5/33



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.932+/-0.000 χ^2/NDF:33784932.0/15

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

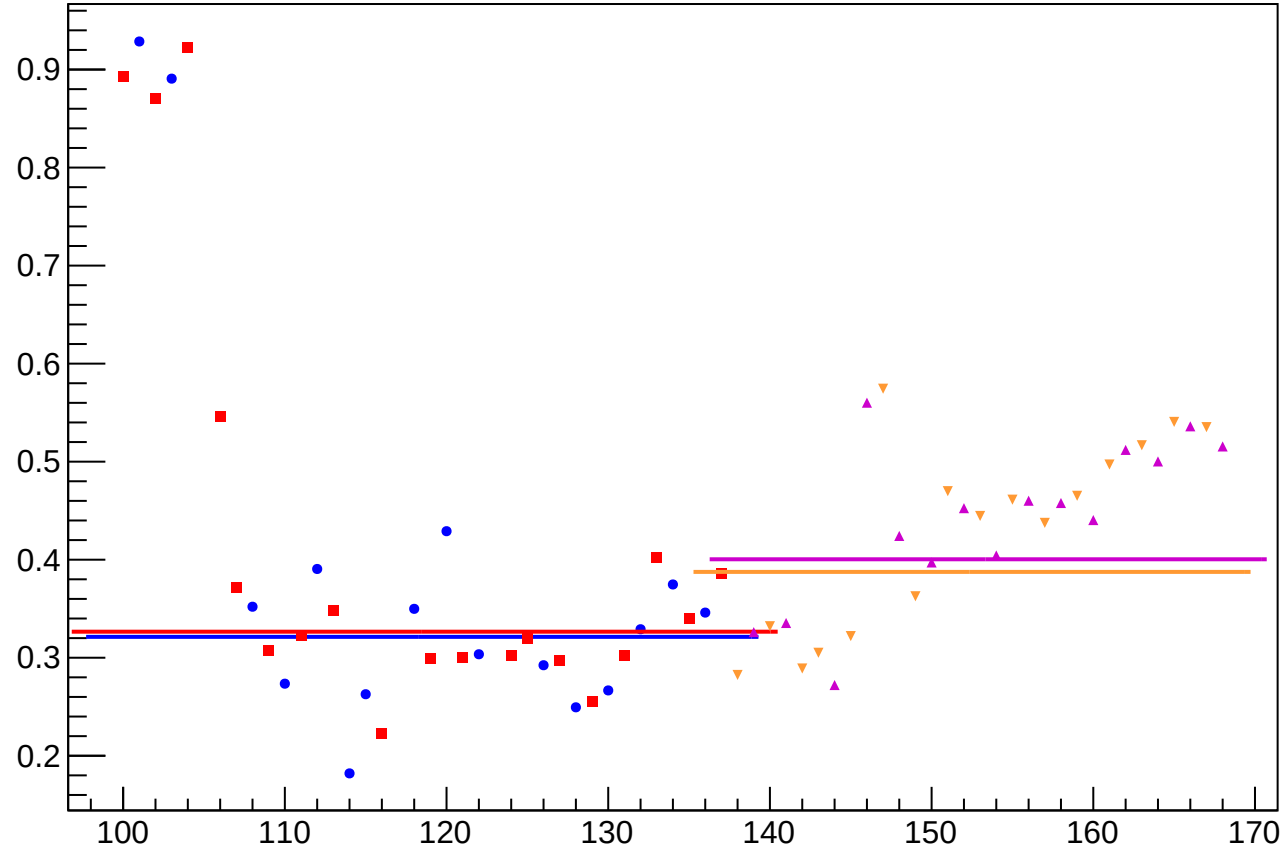
Left In: 147.562+/-0.000 χ^2/NDF:289244065.1/14

+ sign 146.314+/-0.000 χ^2/NDF: 4262930260.9/31

All: 146.210+/-0.000 χ^2/NDF: 9184915021.4

- sign 146.101+/-0.000 χ^2/NDF: 4919001576.7/33

yield_bcm_an_ds_rms vs Slug



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.388+/-0.000 χ^2/NDF:1276696.3/15

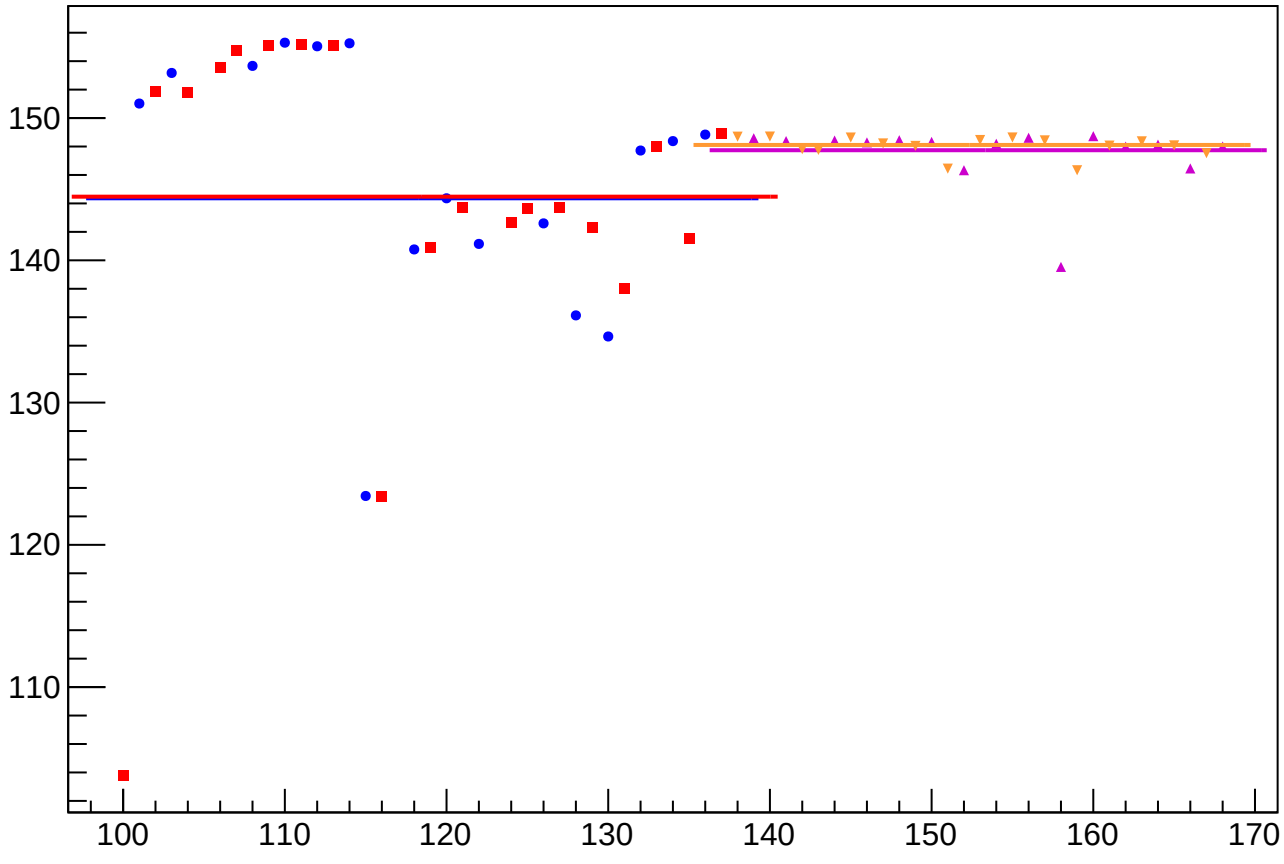
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.400+/-0.000 χ^2/NDF:1041325.3/14

+ sign 0.359+/-0.000 χ^2/NDF: 2961325.2/31

All: 0.363+/-0.000 χ^2/NDF: 5659978.4/65

- sign 0.367+/-0.000 χ^2/NDF: 2689358.6/33



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.110+/-0.000 χ^2/NDF:33732568.3/15

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

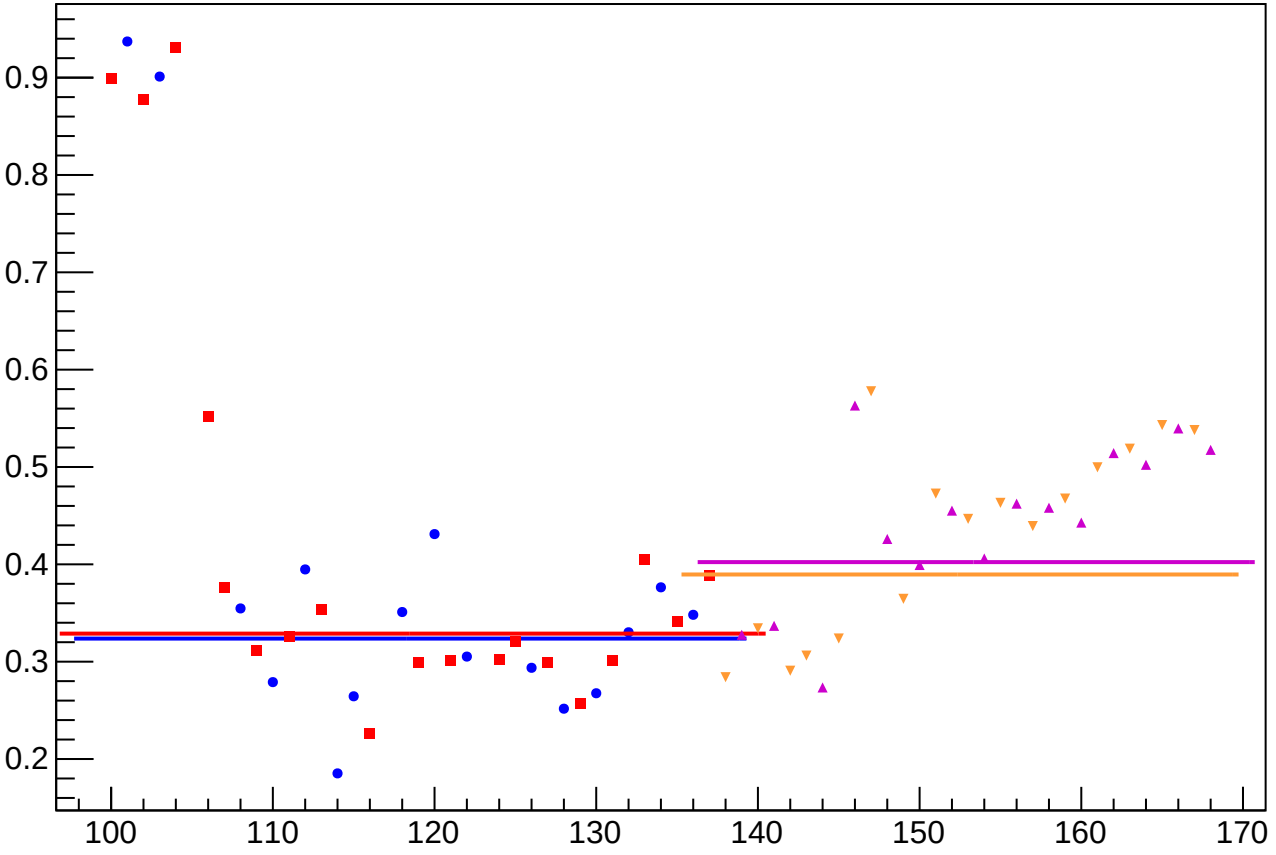
Left In: 147.739+/-0.000 χ^2/NDF:293501596.2/14

+ sign 146.501+/-0.000 χ^2/NDF: 4248264166.4/31

All: 146.396+/-0.000 χ^2/NDF: 9160043748.6

- sign 146.286+/-0.000 χ^2/NDF: 4908790074.0/33

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.390+/-0.000 χ^2/NDF:1274432.2/15

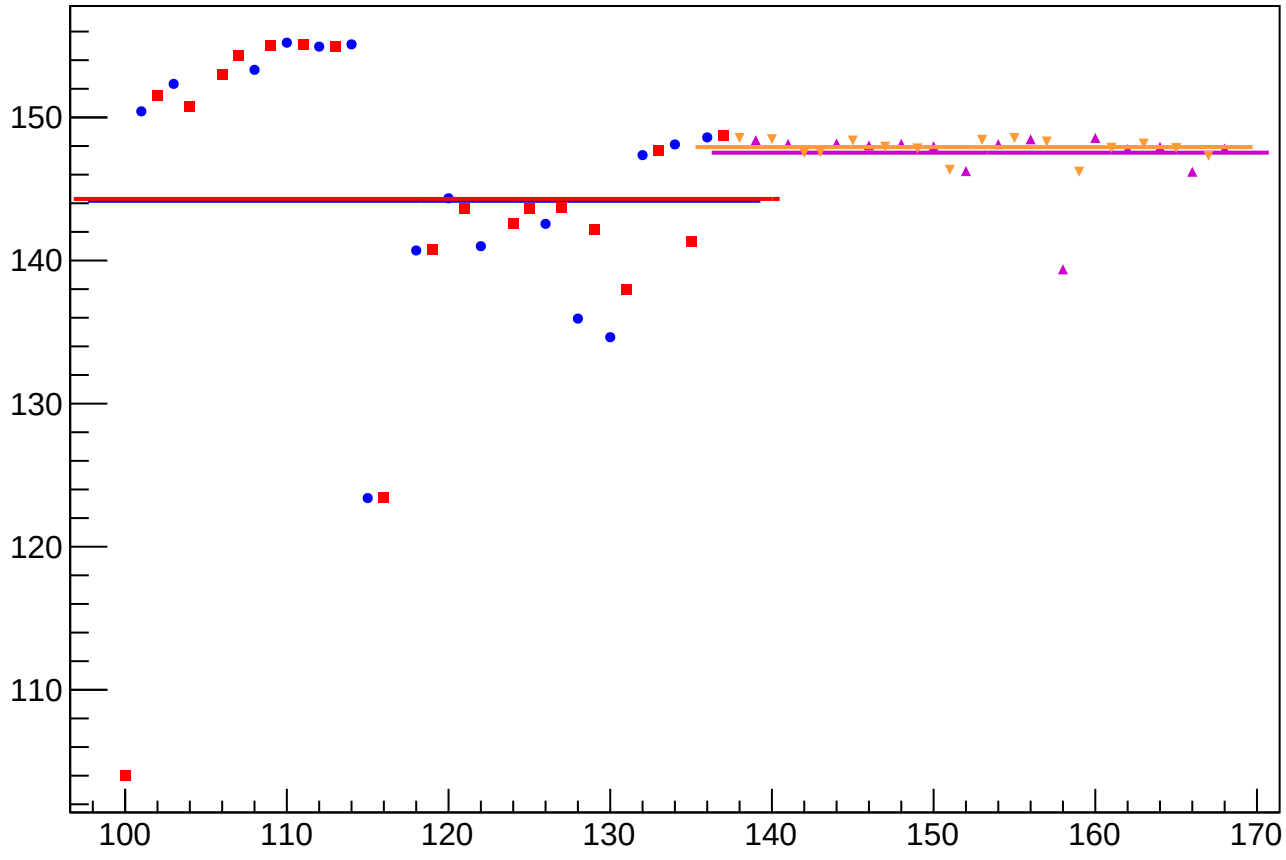
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.402+/-0.000 χ^2/NDF:1040519.5/14

+ sign 0.361+/-0.000 χ^2/NDF: 2948053.5/31

All: 0.365+/-0.000 χ^2/NDF: 5638269.3/65

- sign 0.370+/-0.000 χ^2/NDF: 2681332.1/33



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.927+/-0.000 χ^2/NDF:33805600.9/15

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

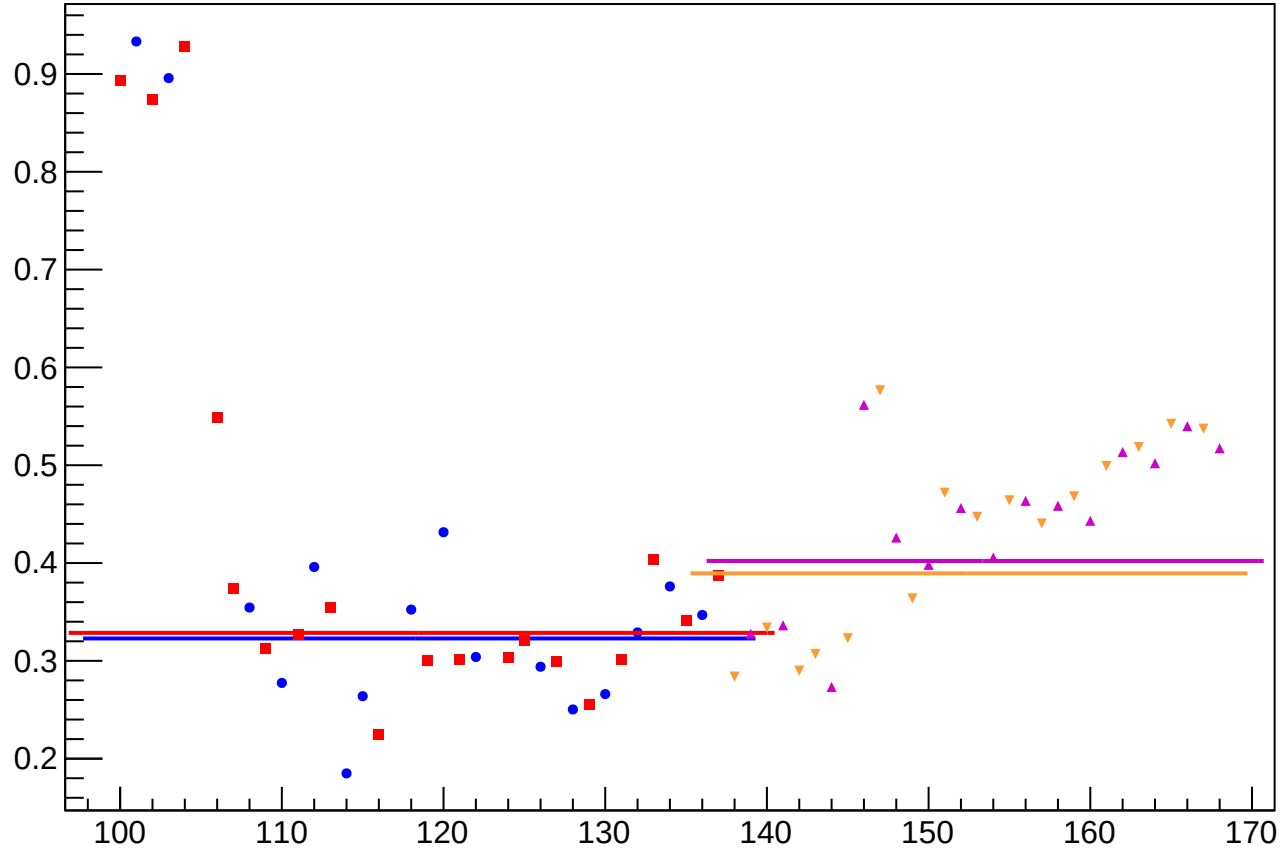
Left In: 147.538+/-0.000 χ^2/NDF:288446843.1/14

+ sign 146.314+/-0.000 χ^2/NDF: 4216165594.0/31

All: 146.208+/-0.000 χ^2/NDF: 9099651549.4

- sign 146.098+/-0.000 χ^2/NDF: 4880477357.5/33

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.389+/-0.000 χ^2/NDF:1275871.0/15

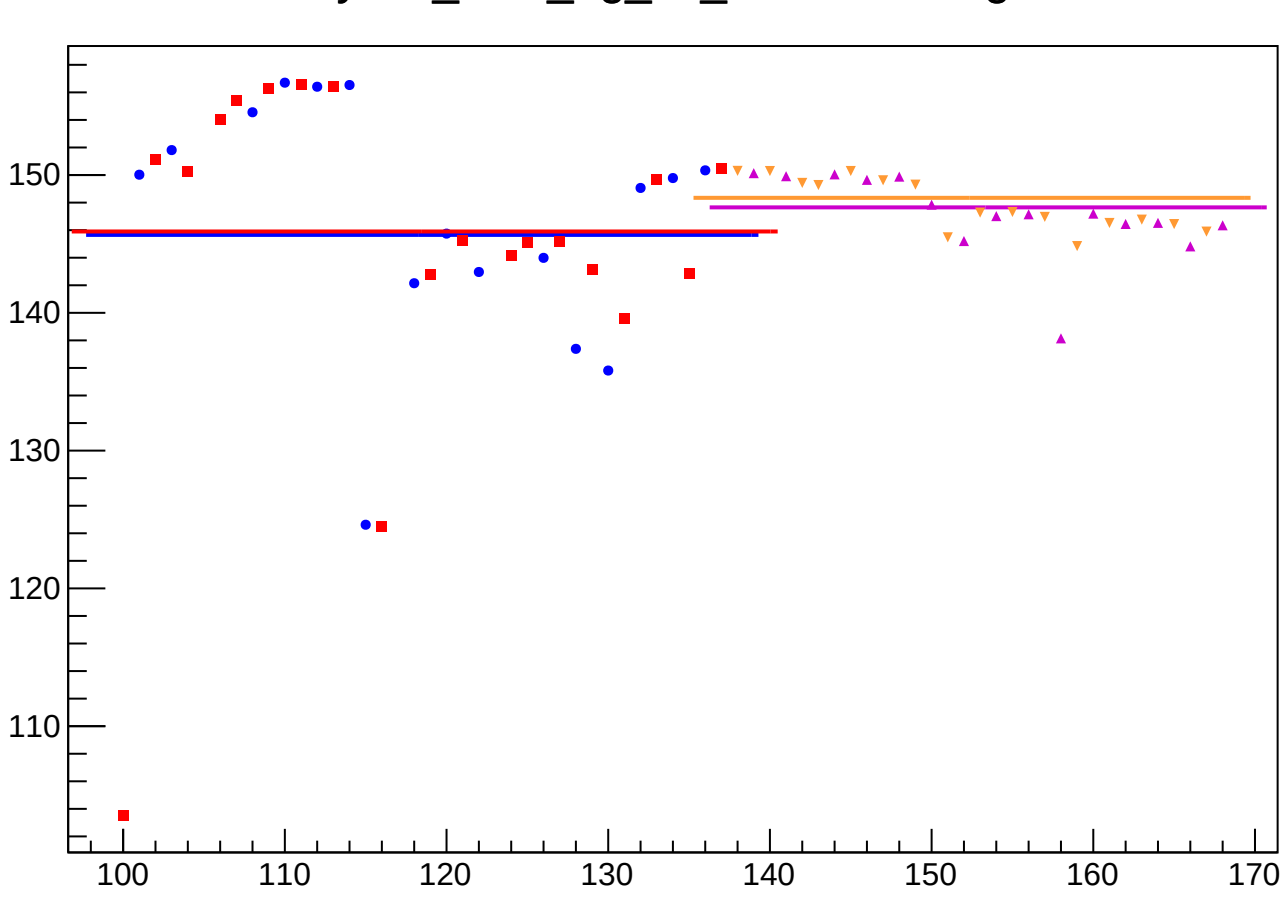
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.402+/-0.000 χ^2/NDF:1043354.3/14

+ sign 0.361+/-0.000 χ^2/NDF: 2959839.1/31

All: 0.365+/-0.000 χ^2/NDF: 5655287.7/65

- sign 0.369+/-0.000 χ^2/NDF: 2685988.5/33



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.347+/-0.000 χ^2/NDF:231134789.0/15

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

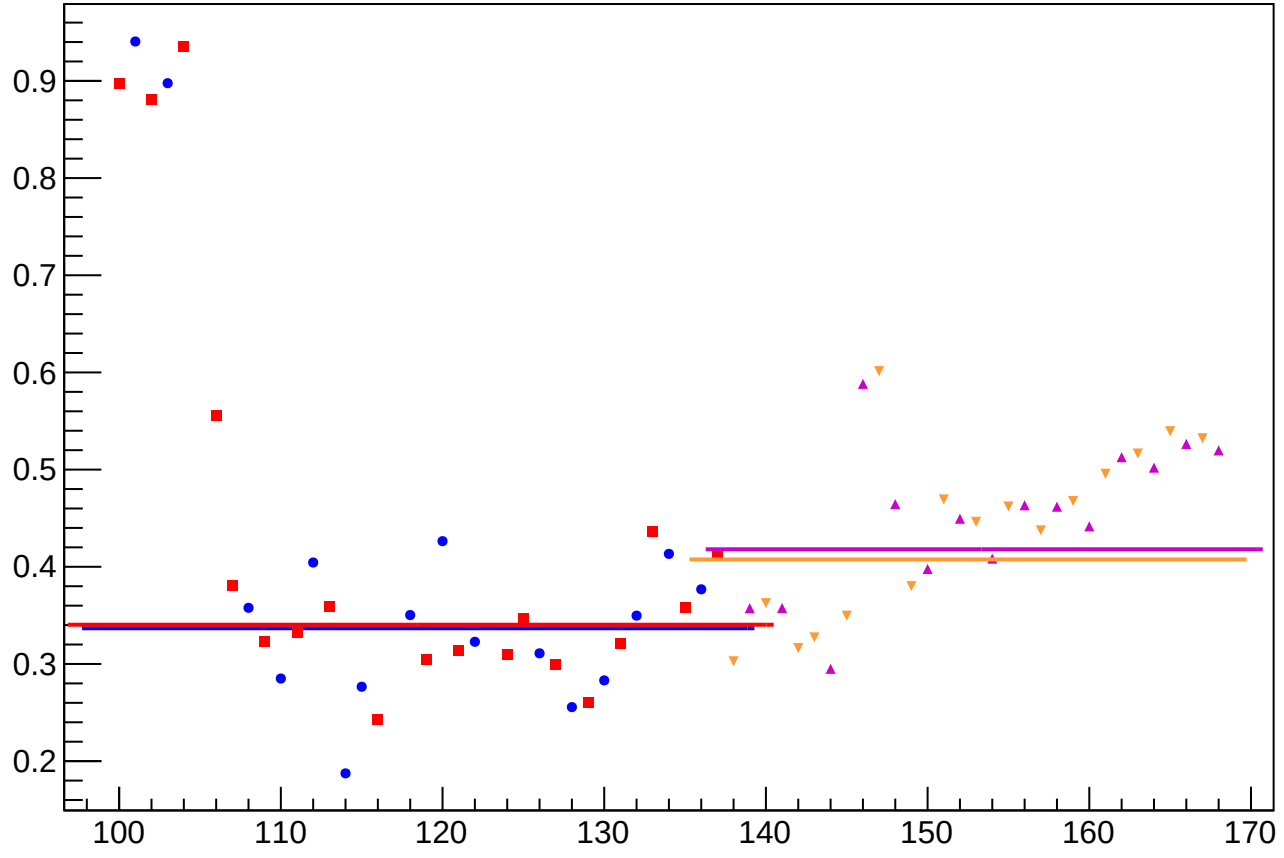
Left In: 147.654+/-0.000 χ^2/NDF:551799990.3/14

+ sign 147.192+/-0.000 χ^2/NDF: 3929223832.4/31

All: 147.037+/-0.000 χ^2/NDF: 8439418028.5

- sign 146.877+/-0.000 χ^2/NDF: 4504203903.1/33

yield_bcm_dg_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.408+/-0.000 χ^2/NDF:950905.1/15

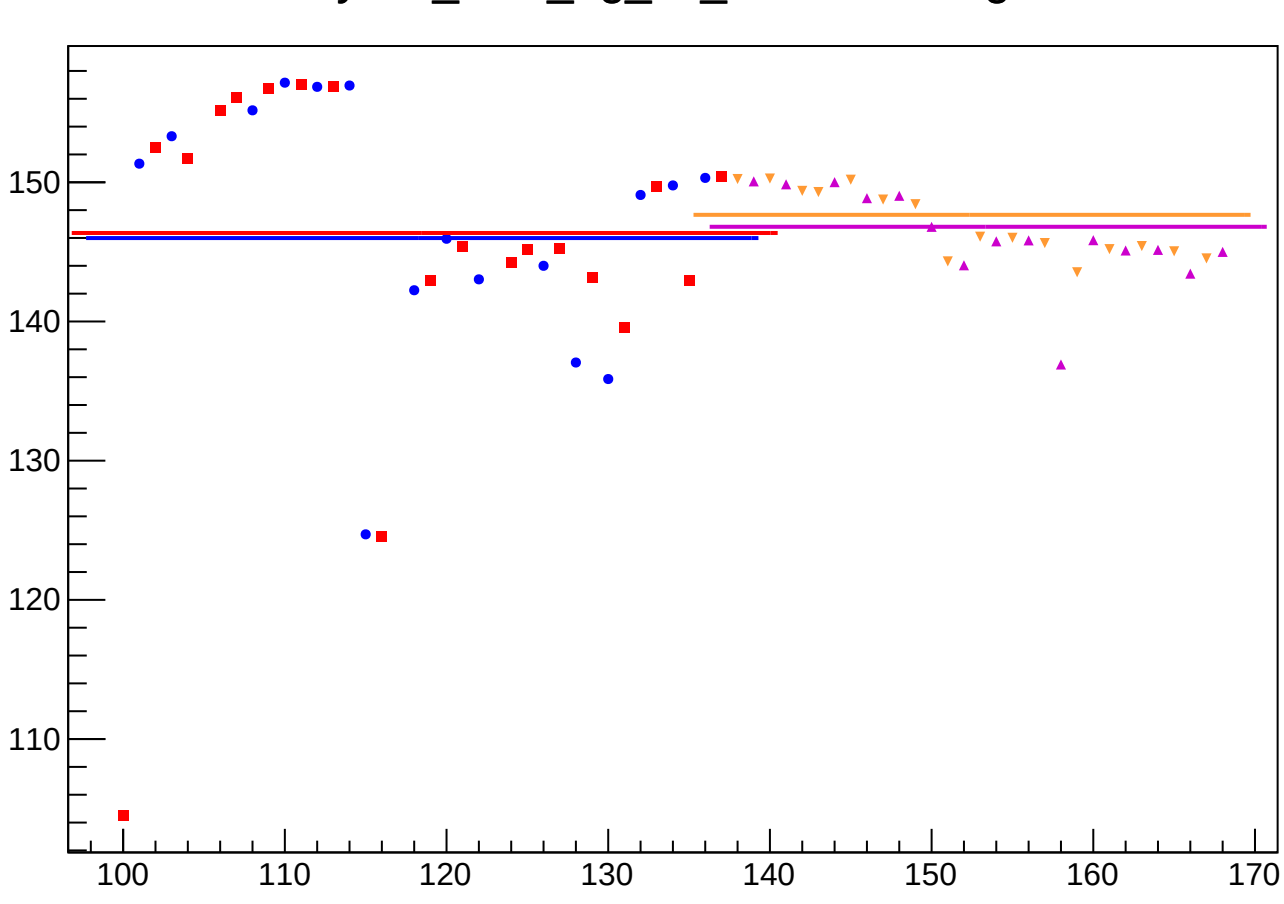
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.418+/-0.000 χ^2/NDF:798422.2/14

+ sign 0.377+/-0.000 χ^2/NDF: 2621696.0/31

All: 0.380+/-0.000 χ^2/NDF: 5051900.7/65

- sign 0.384+/-0.000 χ^2/NDF: 2425344.1/33



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.662+/-0.000 χ^2/NDF:388459867.8/15

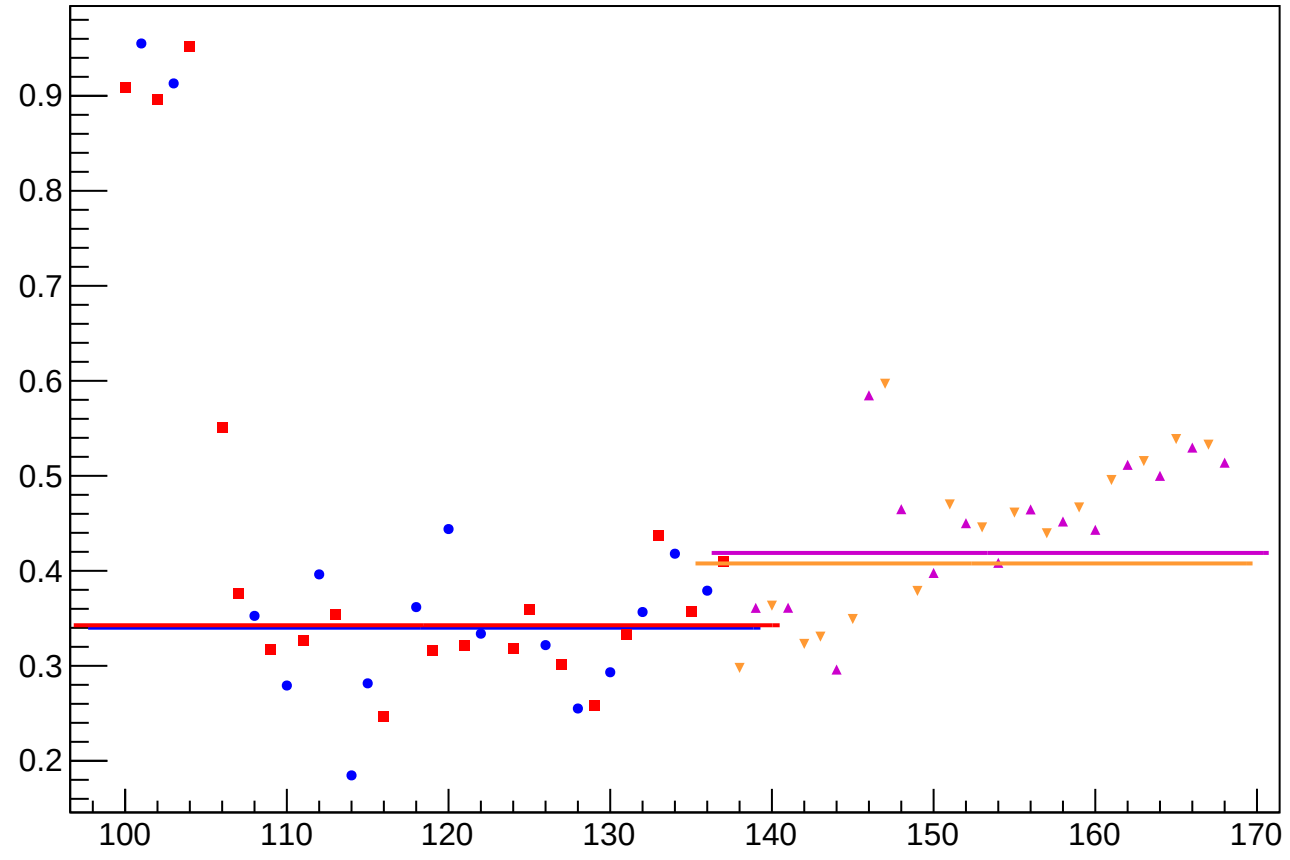
Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.804+/-0.000 χ^2/NDF:728222453.6/14

+ sign 146.954+/-0.000 χ^2/NDF: 4092363294.1/31

All: 146.783+/-0.000 χ^2/NDF: 8796614035.6

- sign 146.607+/-0.000 χ^2/NDF: 4697083474.9/33



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.408+/-0.000 χ^2/NDF:944483.7/15

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

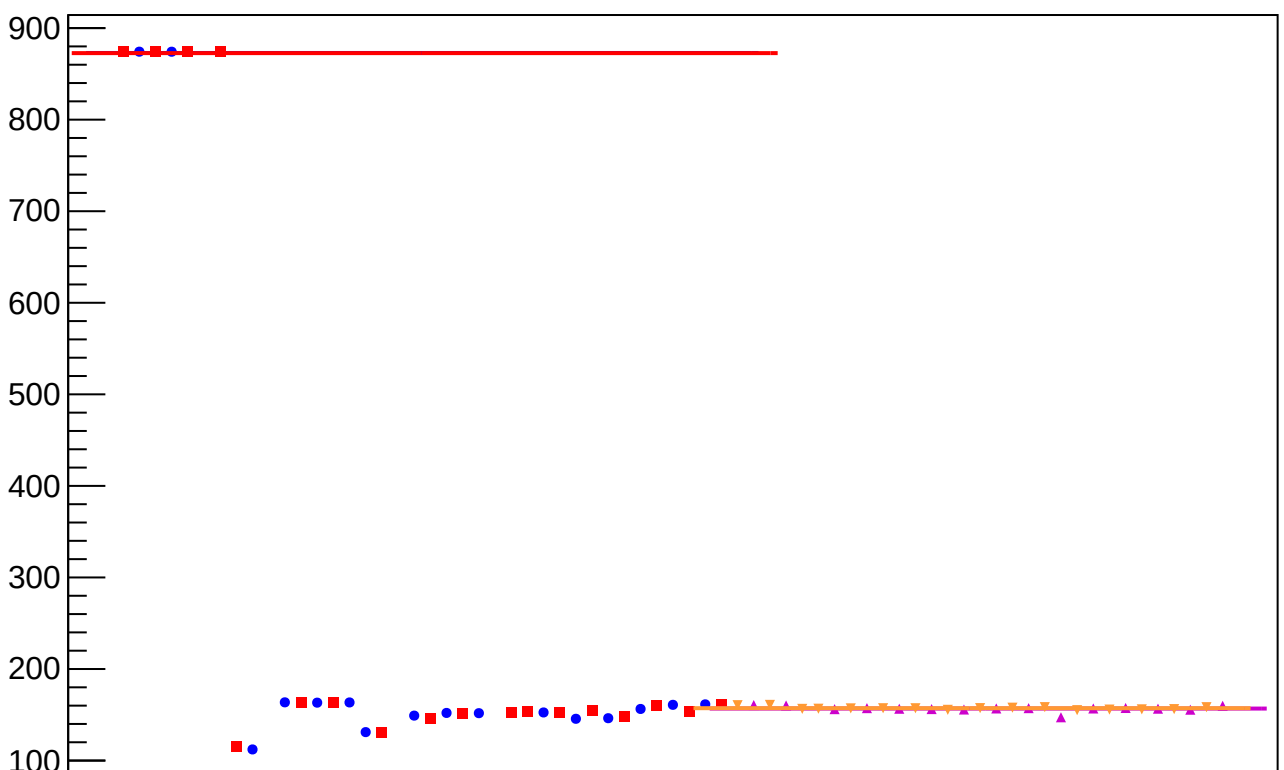
Left In: 0.419+/-0.000 χ^2/NDF:762290.8/14

+ sign 0.379+/-0.000 χ^2/NDF: 2607500.4/31

All: 0.382+/-0.000 χ^2/NDF: 4980193.2/65

- sign 0.385+/-0.000 χ^2/NDF: 2368174.6/33

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.216+/-0.000 χ^2/NDF:65087777.3/15

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

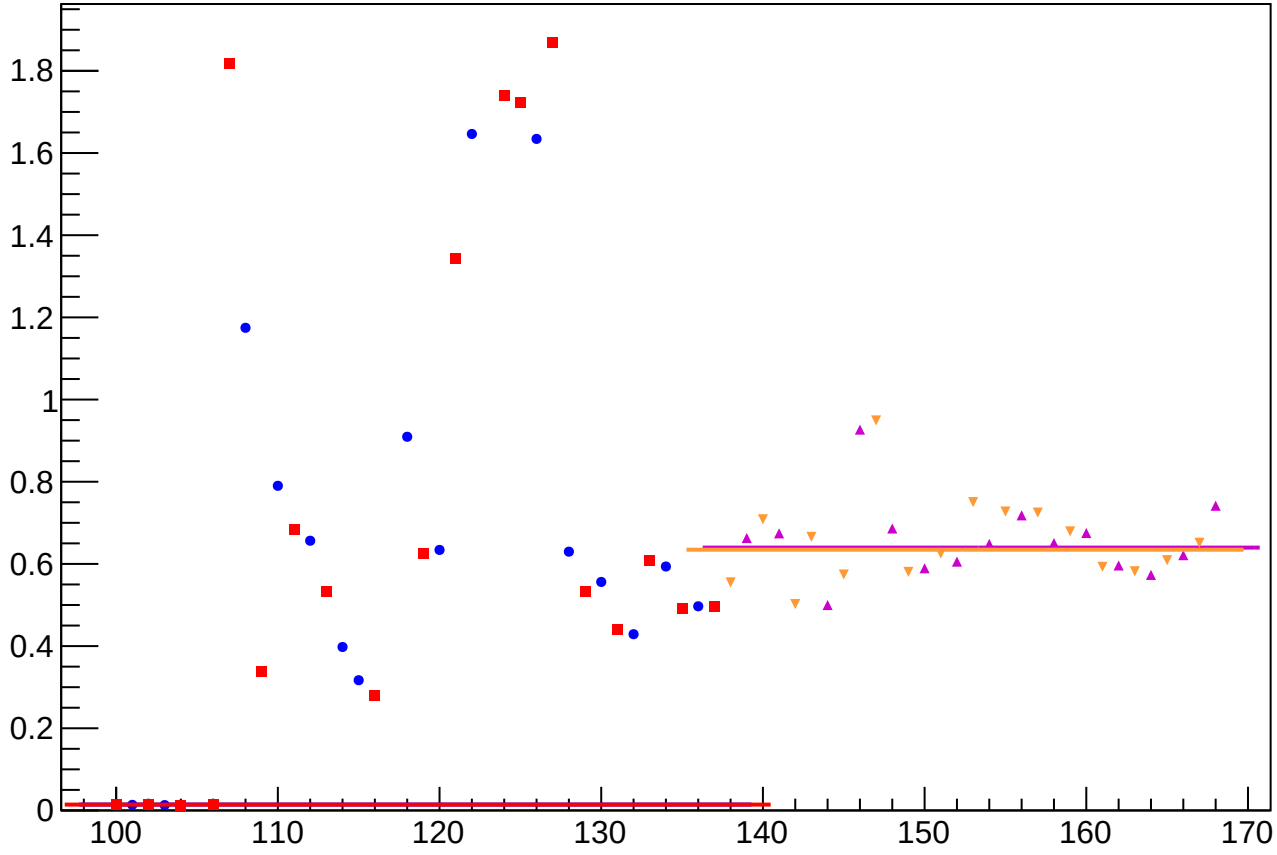
Left In: 156.798+/-0.000 χ^2/NDF:182325740.1/14

+ sign 870.573+/-0.000 χ^2/NDF: 18654717359734.

All: 870.674+/-0.000 χ^2/NDF: 390762602492

- sign 870.761+/-0.000 χ^2/NDF: 20421408852133.9

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.635+/-0.000 χ^2/NDF:302600.4/15

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

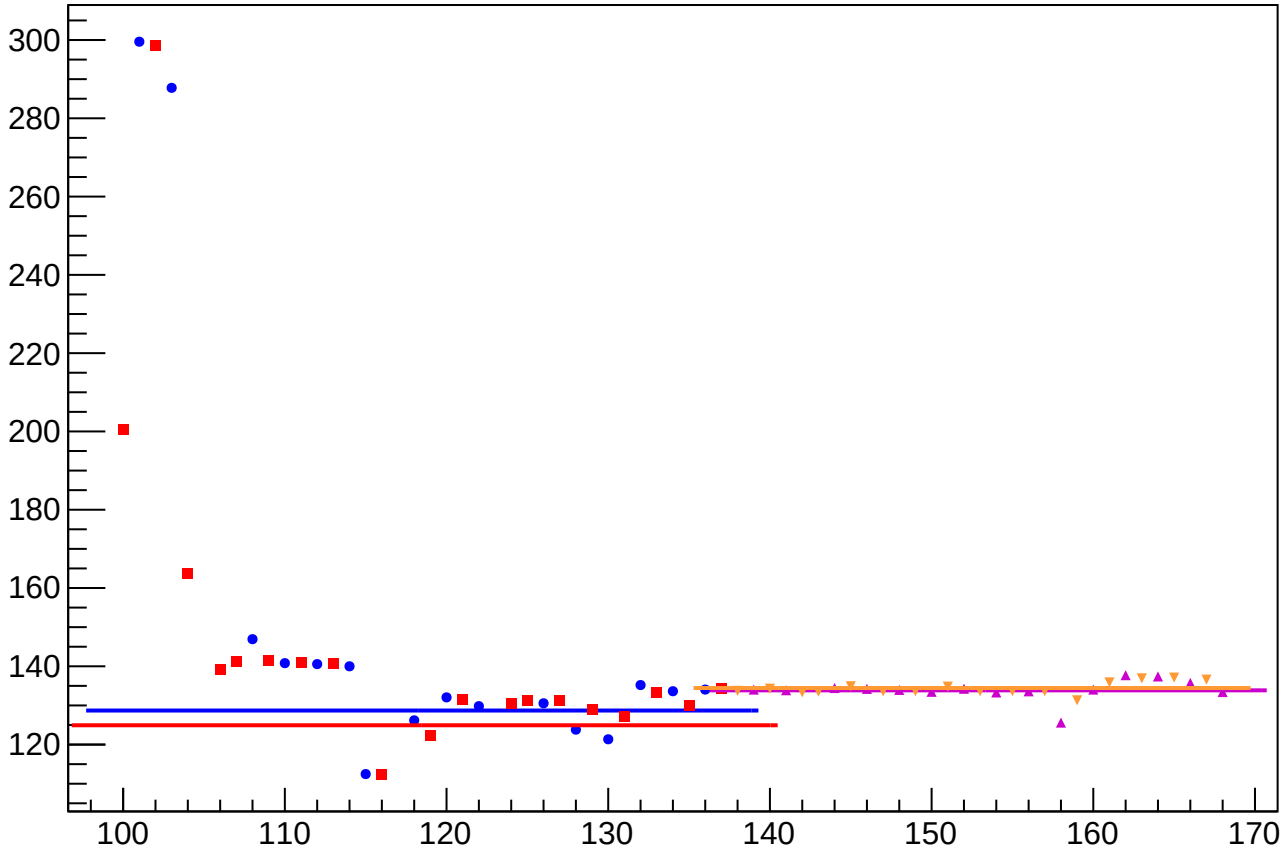
Left In: 0.640+/-0.000 χ^2/NDF:277154.2/14

+ sign 0.016+/-0.000 χ^2/NDF: 27147554.8/31

All: 0.016+/-0.000 χ^2/NDF: 54018908.8/65

- sign 0.016+/-0.000 χ^2/NDF: 26870027.1/33

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.449+/-0.000 χ^2/NDF:116145384.9/15

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

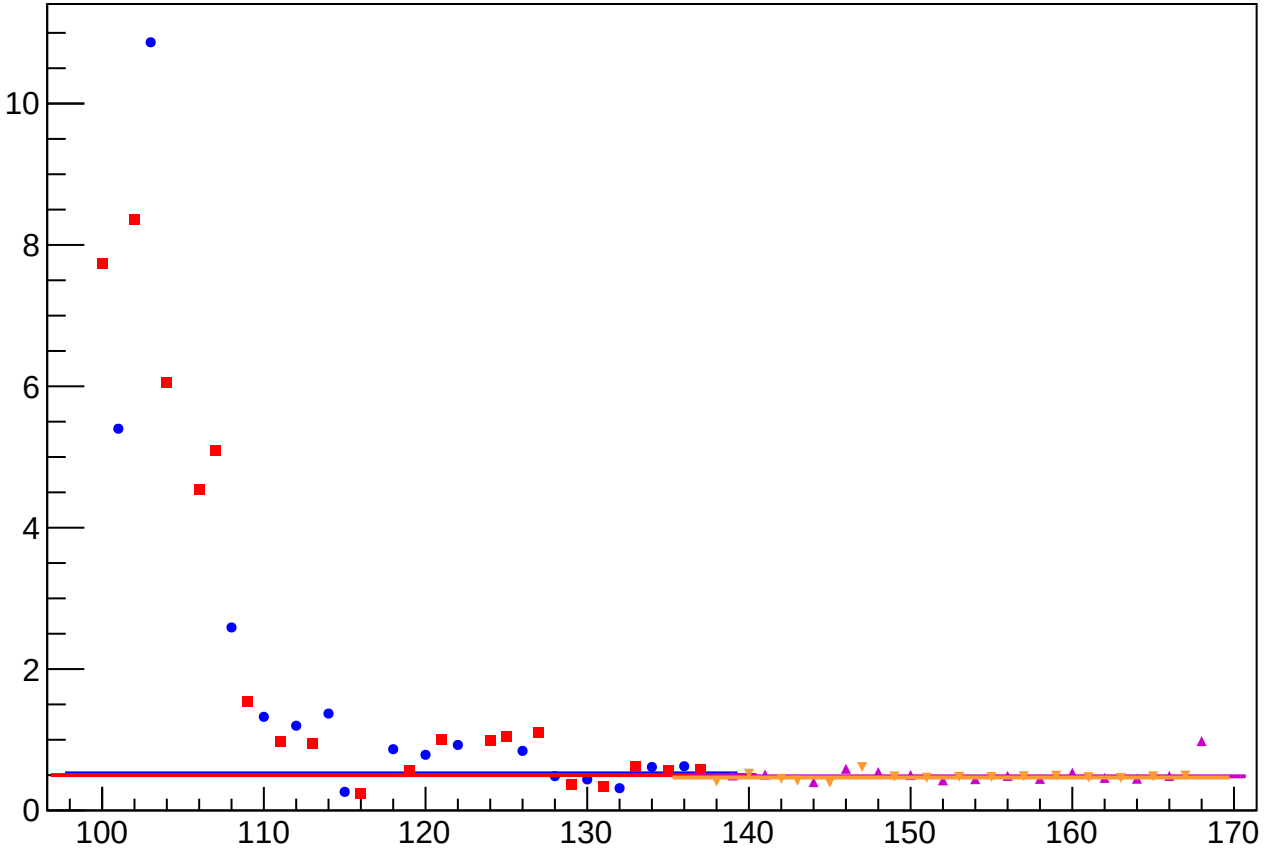
Left In: 133.858+/-0.000 χ^2/NDF:367720980.5/14

+ sign 133.258+/-0.000 χ^2/NDF: 2122525251.2/31

All: 132.542+/-0.000 χ^2/NDF: 4812714235.6

- sign 131.772+/-0.000 χ^2/NDF: 2621448325.7/33

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.466+/-0.000 χ^2/NDF:201515.3/15

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

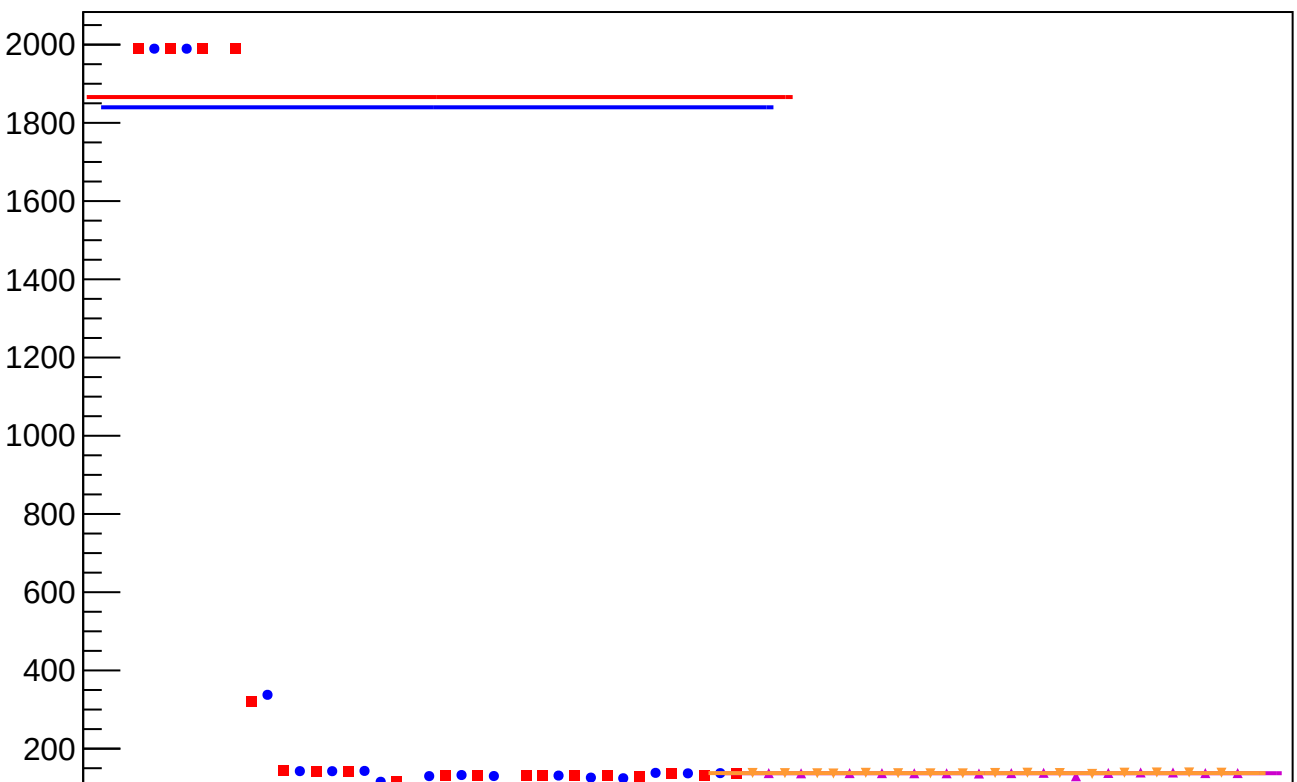
Left In: 0.483+/-0.000 χ^2/NDF:612920.9/14

+ sign 0.478+/-0.000 χ^2/NDF: 4411339.6/31

All: 0.482+/-0.000 χ^2/NDF: 9920092.8/65

- sign 0.487+/-0.000 χ^2/NDF: 5503940.3/33

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.467+/-0.000 χ^2/NDF:58227228.7/15

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

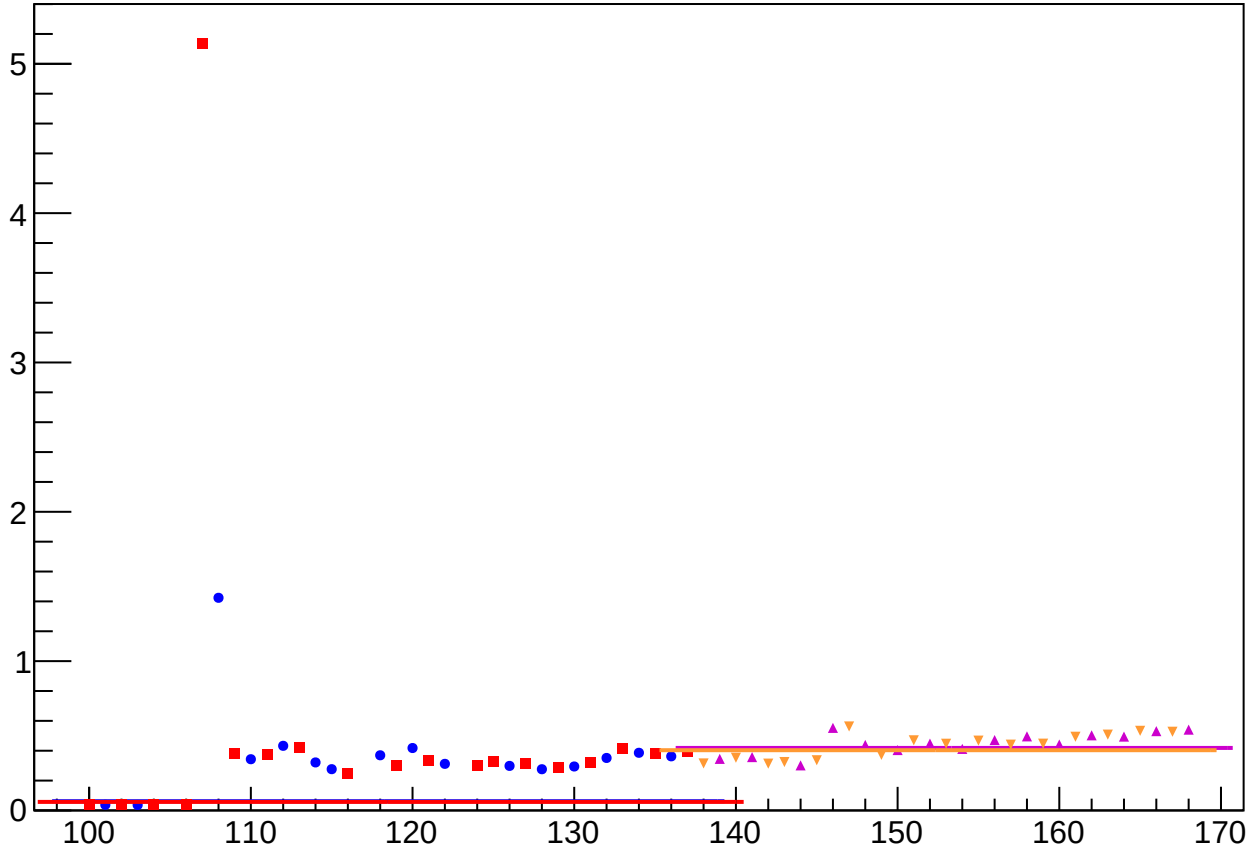
Left In: 137.202+/-0.000 χ^2/NDF:226637714.3/14

+ sign 1649.212+/-0.000 χ^2/NDF: 3309353132673

All: 1681.703+/-0.000 χ^2/NDF: 6542877325

- sign 1710.213+/-0.000 χ^2/NDF: 32207957257089

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.404+/-0.000 χ^2/NDF:896618.6/15

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

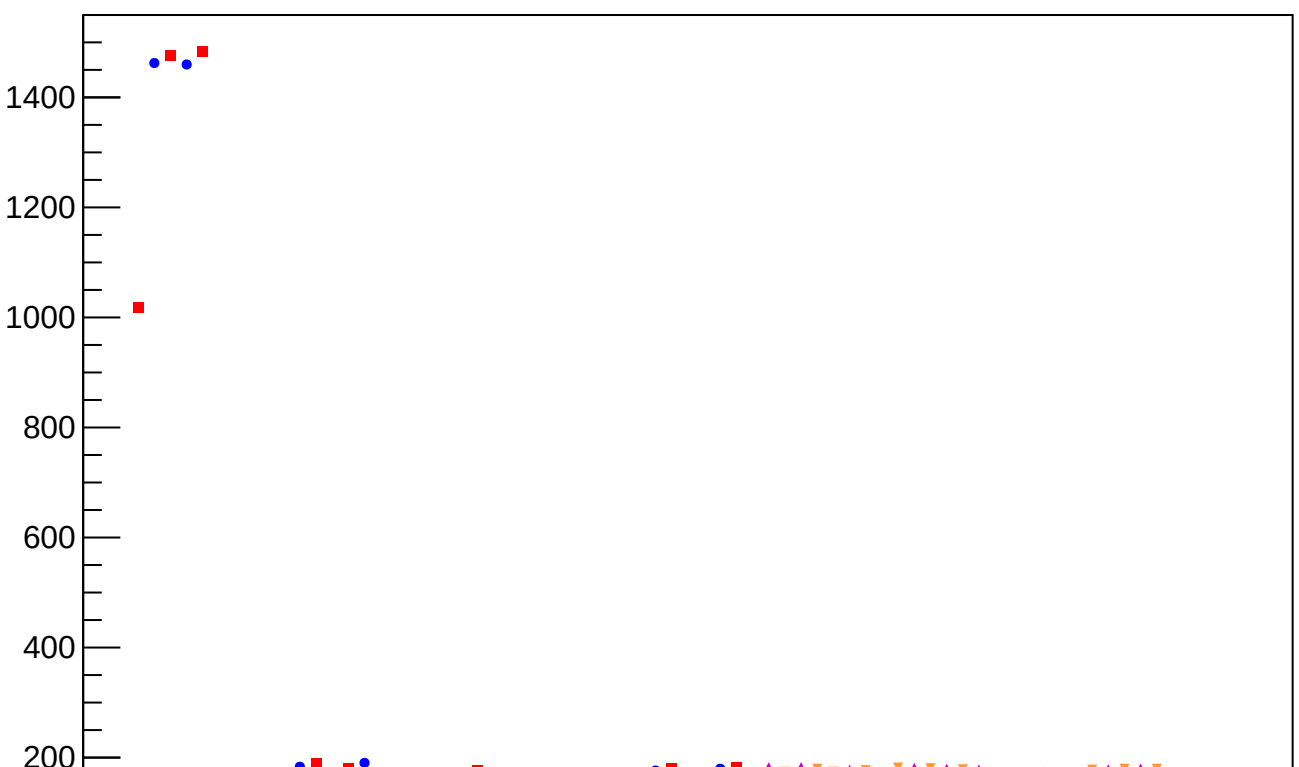
Left In: 0.419+/-0.000 χ^2/NDF:771499.6/14

+ sign 0.100+/-0.000 χ^2/NDF: 23984519.4/31

All: 0.095+/-0.000 χ^2/NDF: 48244485.1/65

- sign 0.090+/-0.000 χ^2/NDF: 24189067.8/33

yield_bcm0l02_mean vs Slug



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 170.792+/-0.000 χ^2/NDF:1146795746.4/15

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

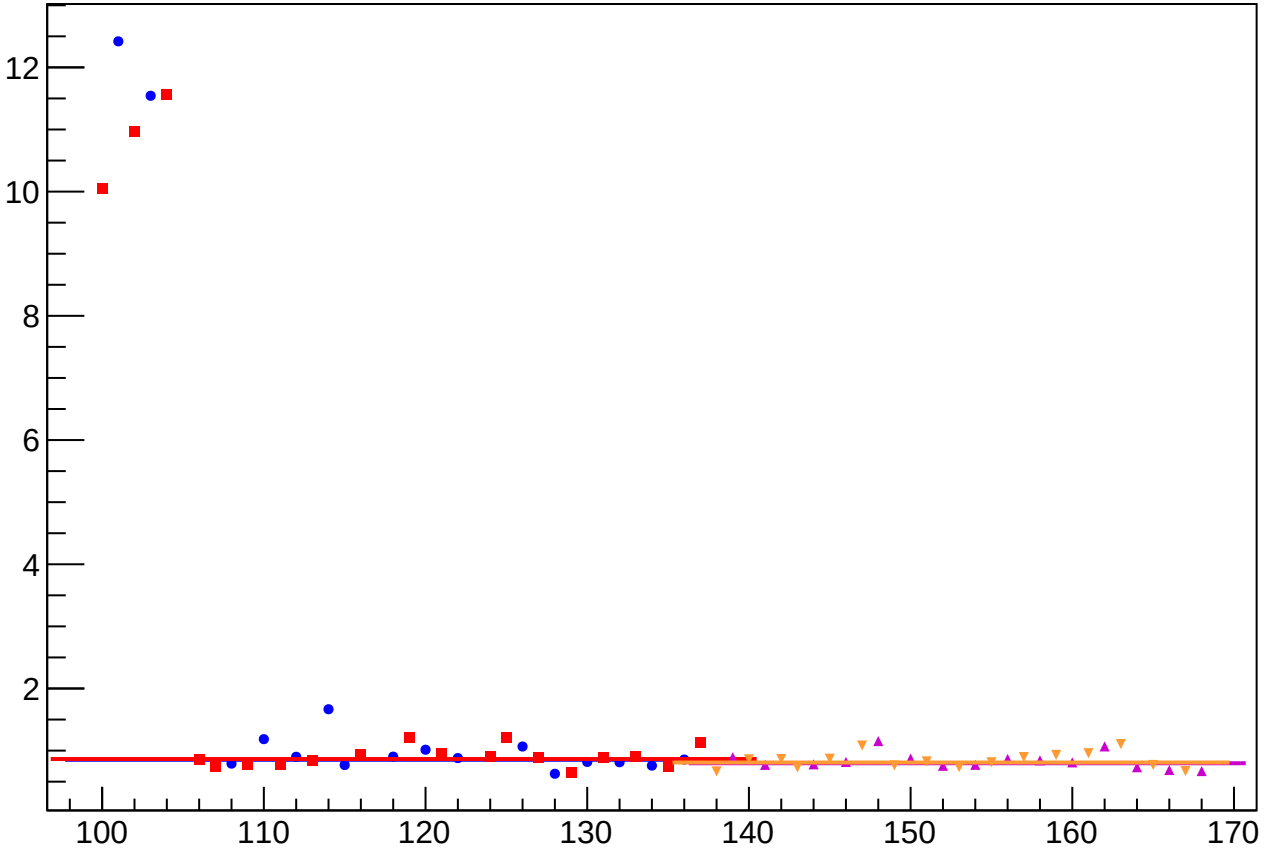
Left In: 168.512+/-0.000 χ^2/NDF:1690360237.8/14

+ sign 169.654+/-0.000 χ^2/NDF: 15814484935.3/31

All: 169.187+/-0.000 χ^2/NDF: 33832027811.

- sign 168.736+/-0.000 χ^2/NDF: 18010021780.4/33

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.808+/-0.000 χ^2/NDF:346757.0/15

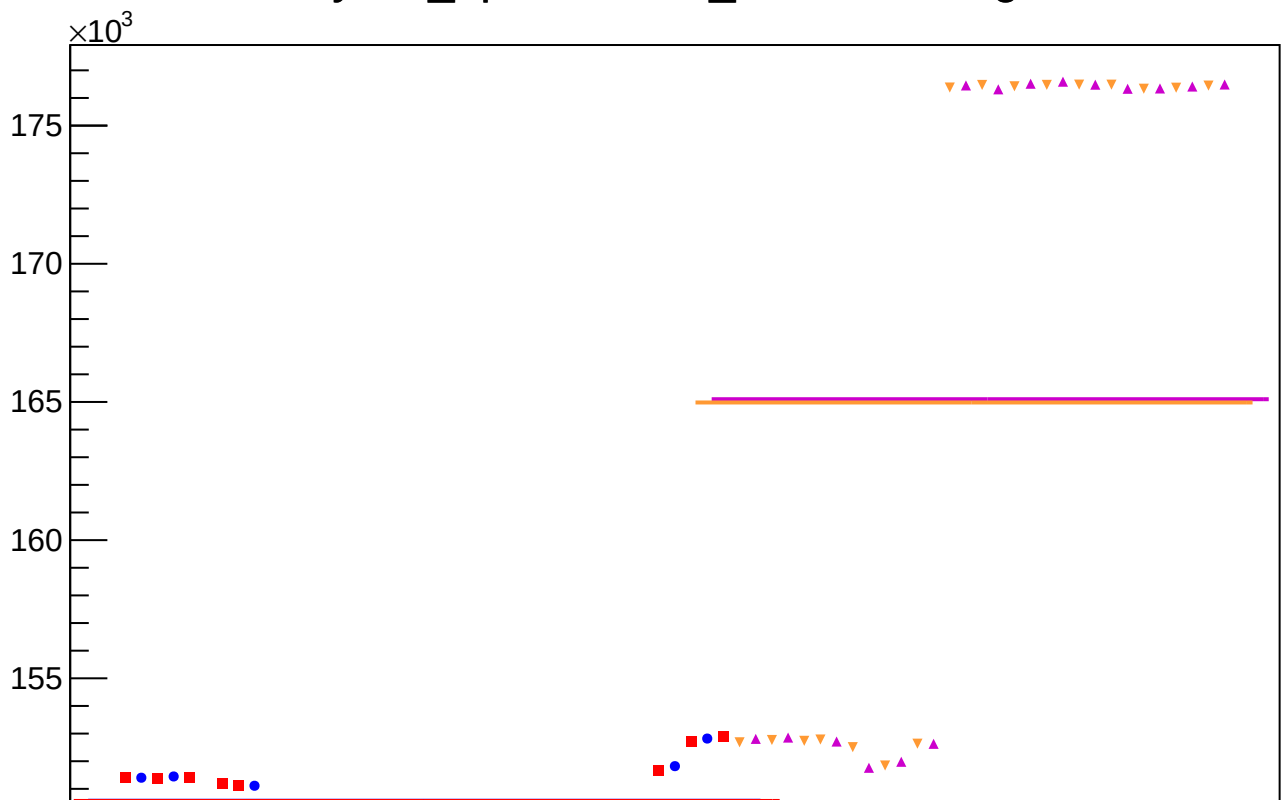
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.796+/-0.000 χ^2/NDF:309148.2/14

+ sign 0.822+/-0.000 χ^2/NDF: 2663837.3/31

All: 0.819+/-0.000 χ^2/NDF: 5217717.7/65

- sign 0.817+/-0.000 χ^2/NDF: 2553453.2/33



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 164981.361+/-0.053 χ^2/NDF:50443129676.6/15

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

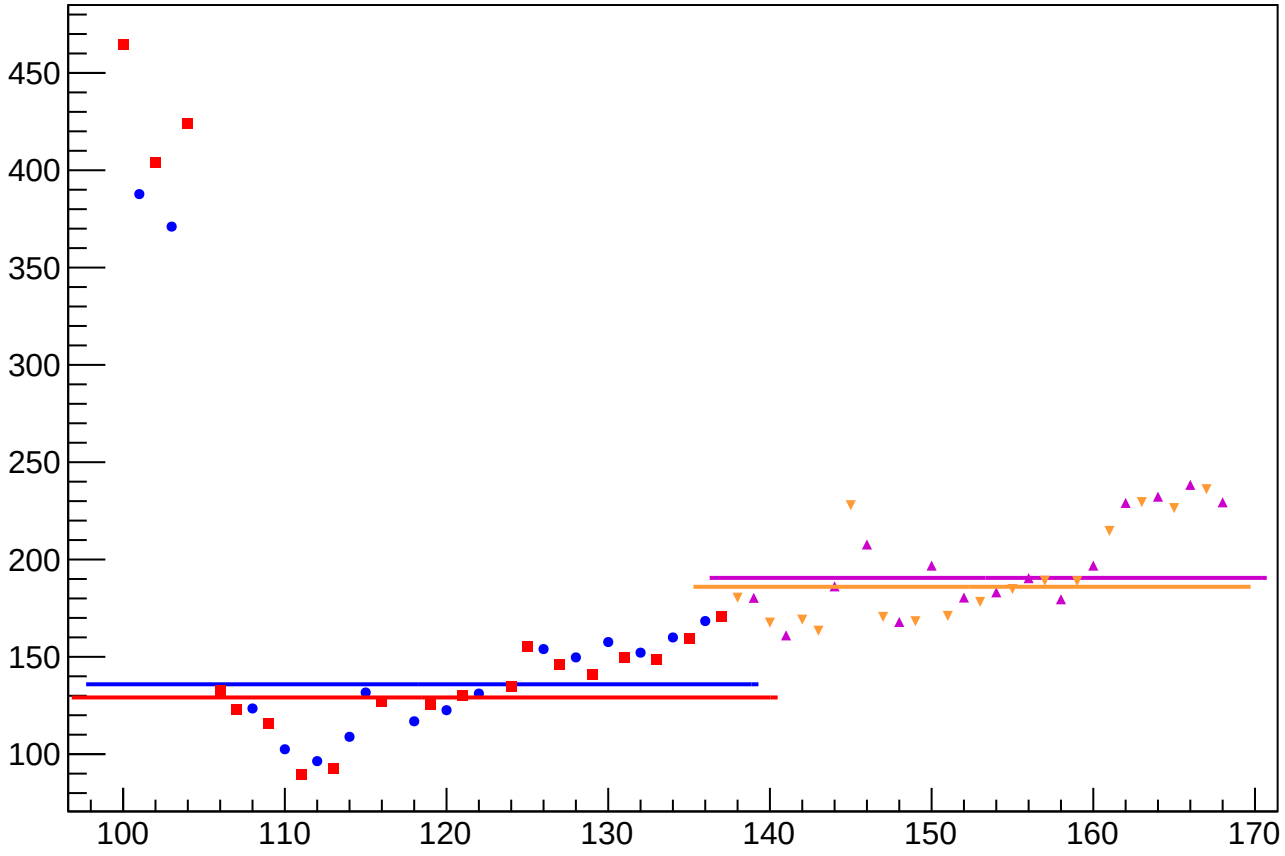
Left In: 165099.181+/-0.055 χ^2/NDF:47638048536.4/14

+ sign 157974.509+/-0.038 χ^2/NDF: 86470825729.

All: 157631.900+/-0.027 χ^2/NDF: 17216808

- sign 157302.505+/-0.037 χ^2/NDF: 85538467072.4

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 185.989+/-0.038 χ^2/NDF:364065.4/15

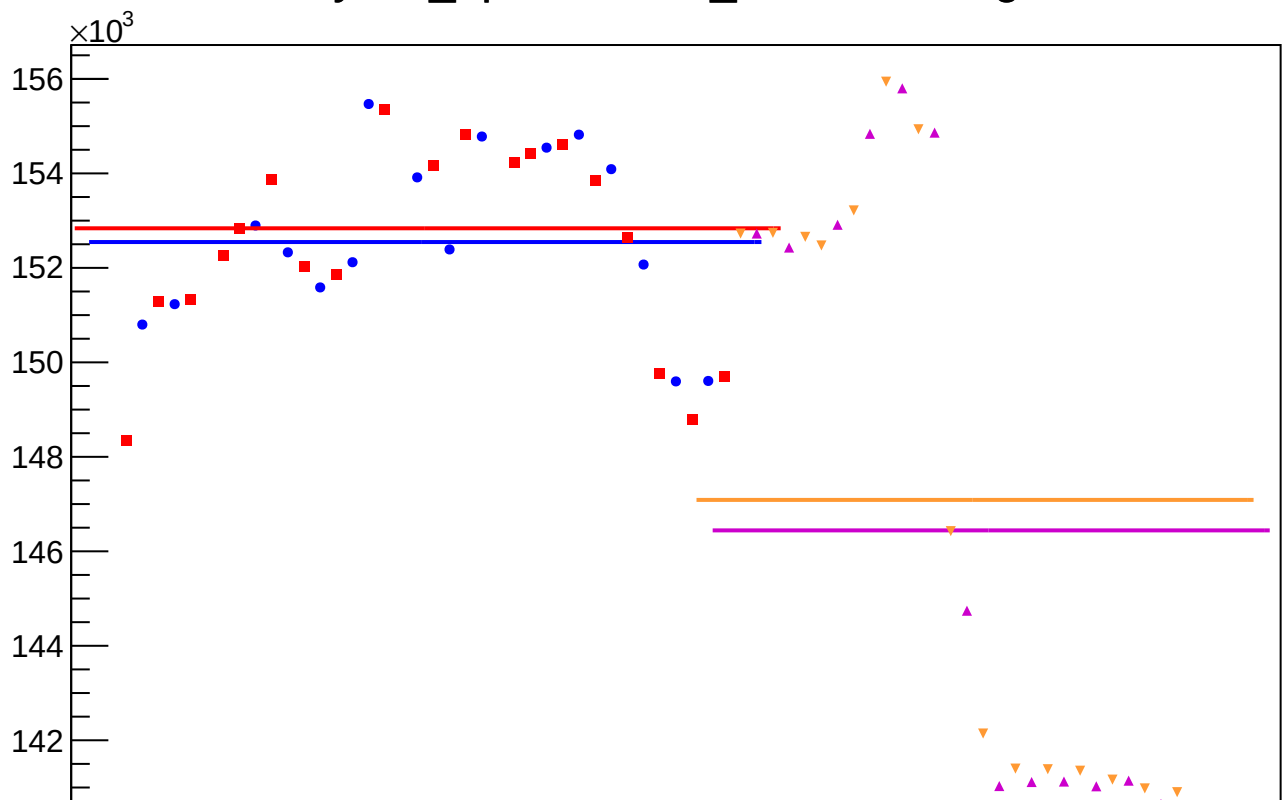
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 190.566+/-0.039 χ^2/NDF:304593.5/14

+ sign 161.636+/-0.027 χ^2/NDF: 2645079.5/31

All: 159.587+/-0.019 χ^2/NDF: 5922004.2/65

- sign 157.617+/-0.026 χ^2/NDF: 3265566.6/33



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147088.231+/-0.058 χ^2/NDF:10131633182.9/15

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

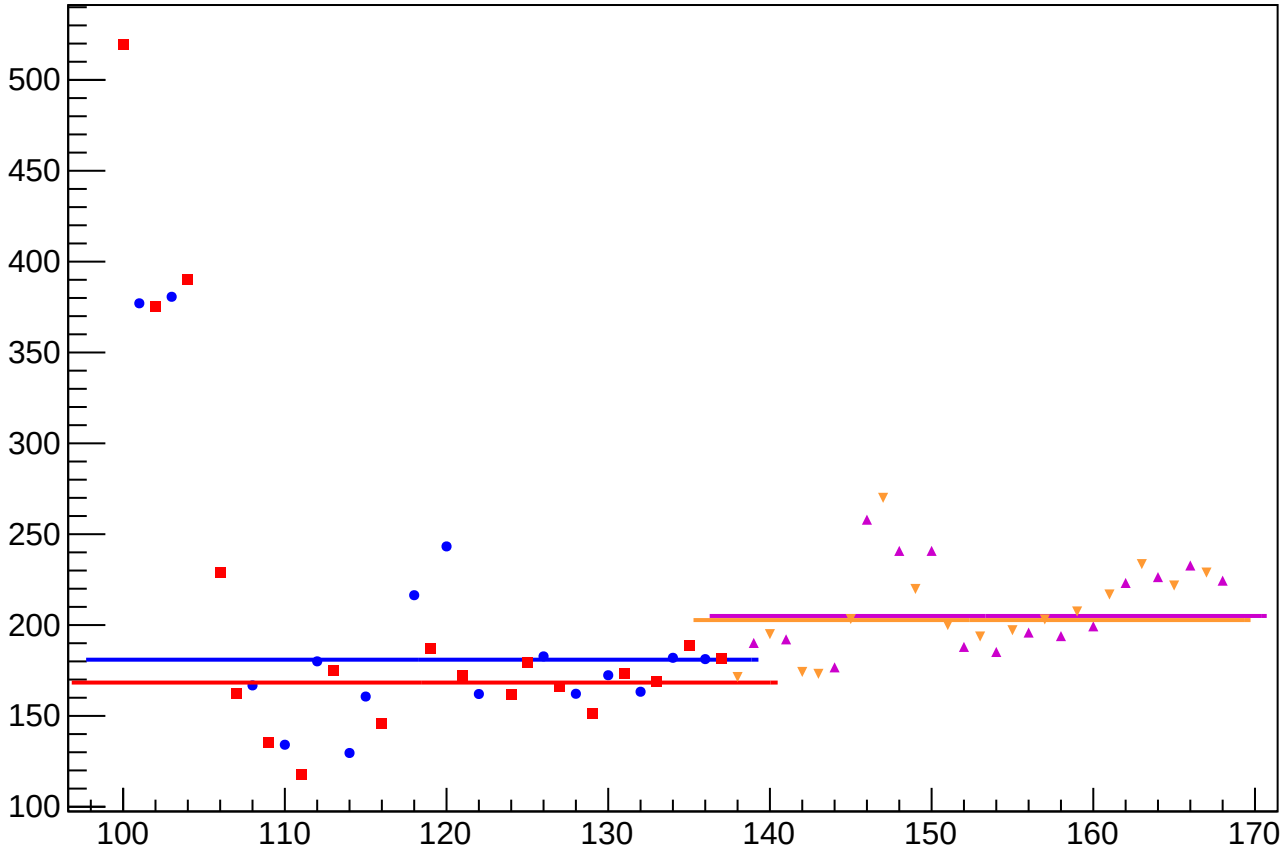
Left In: 146442.935+/-0.059 χ^2/NDF:10656843016.5/14

+ sign 149214.903+/-0.045 χ^2/NDF: 14235507390.

All: 149237.539+/-0.032 χ^2/NDF: 30780162

- sign 149259.102+/-0.044 χ^2/NDF: 16544168539.

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 202.738+/-0.041 χ^2/NDF:305692.3/15

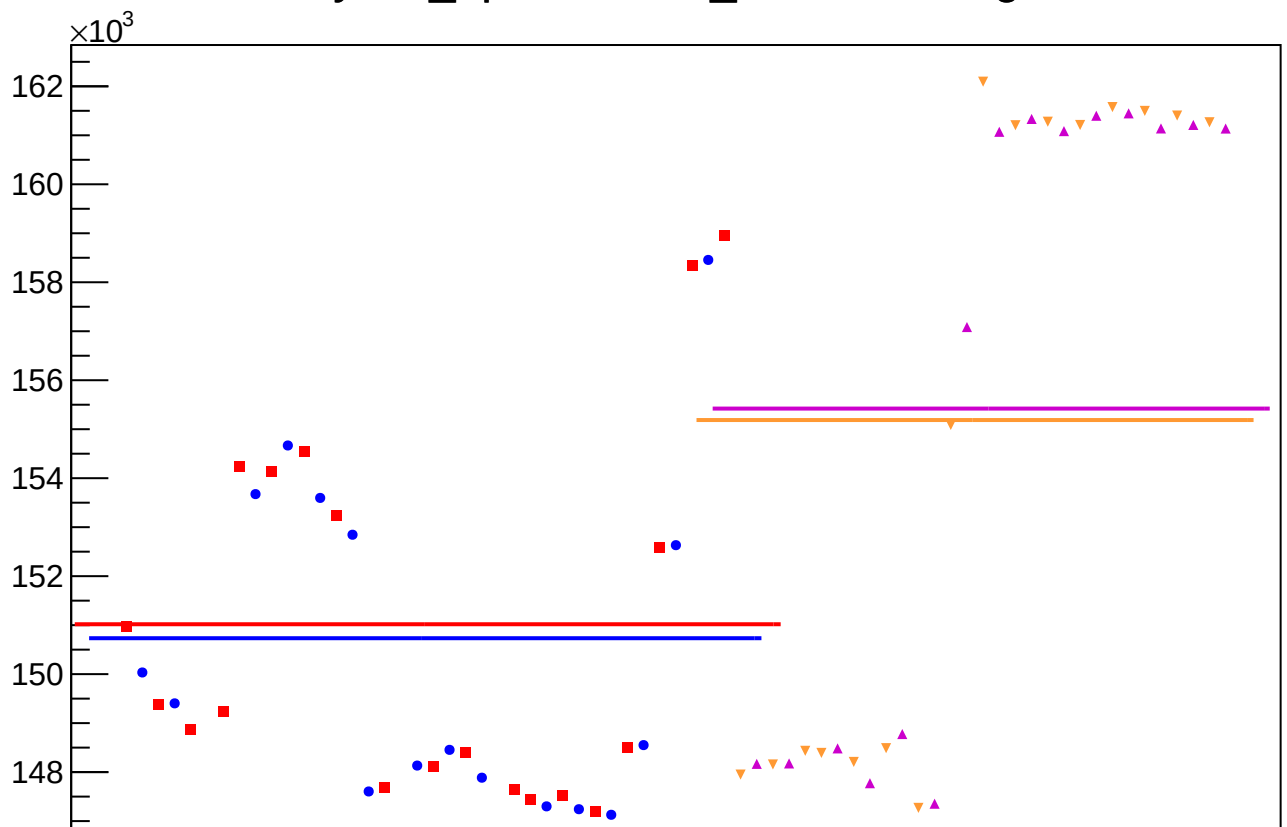
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 205.003+/-0.042 χ^2/NDF:306426.0/14

+ sign 194.245+/-0.032 χ^2/NDF: 1323472.2/31

All: 191.488+/-0.022 χ^2/NDF: 3071847.4/65

- sign 188.862+/-0.031 χ^2/NDF: 1733926.5/33



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 155187.232+/-0.056 χ^2/NDF:13130828809.6/15

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

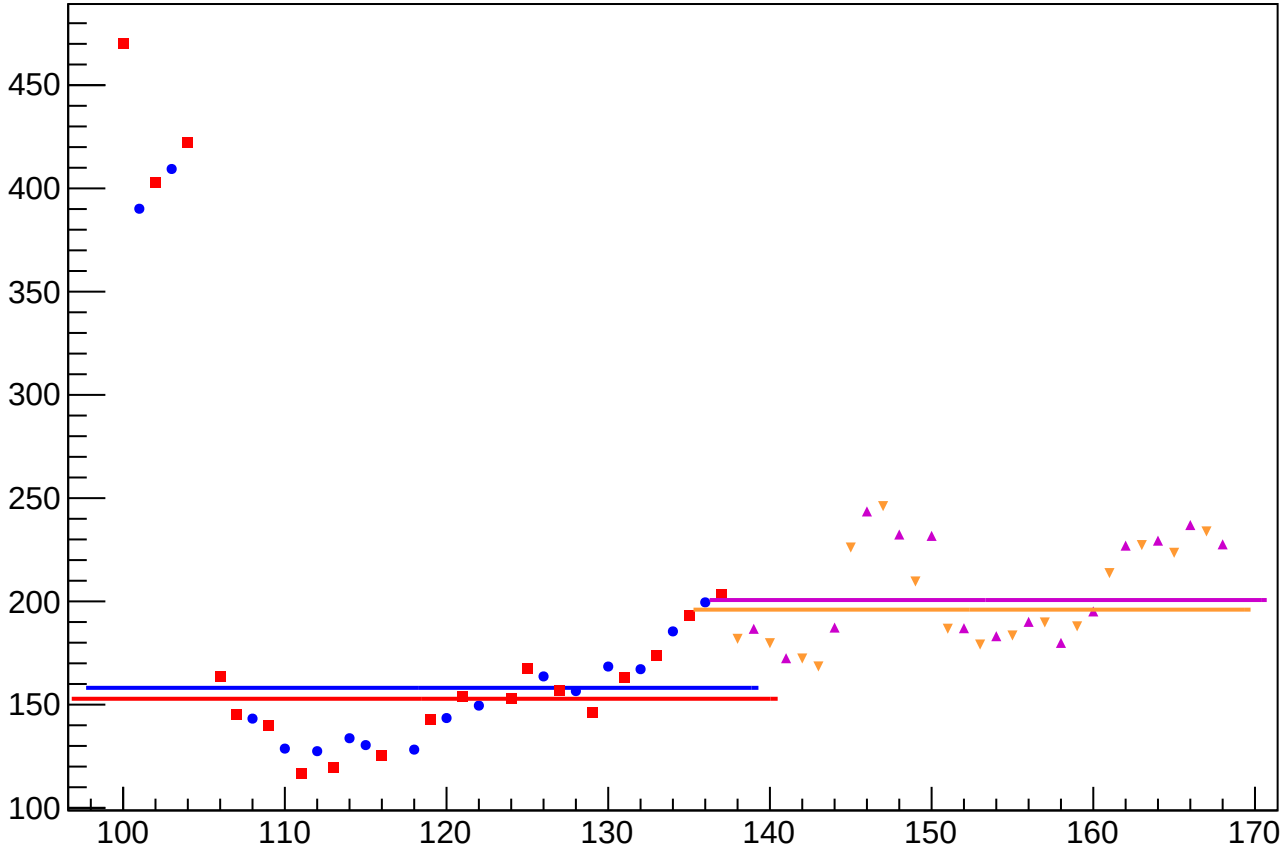
Left In: 155421.184+/-0.058 χ^2/NDF:11762000913.5/14

+ sign 153219.870+/-0.042 χ^2/NDF: 19214051322.

All: 153262.804+/-0.029 χ^2/NDF: 37055891

- sign 153305.388+/-0.042 χ^2/NDF: 17839739061.4

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 196.002+/-0.040 χ^2/NDF:319091.4/15

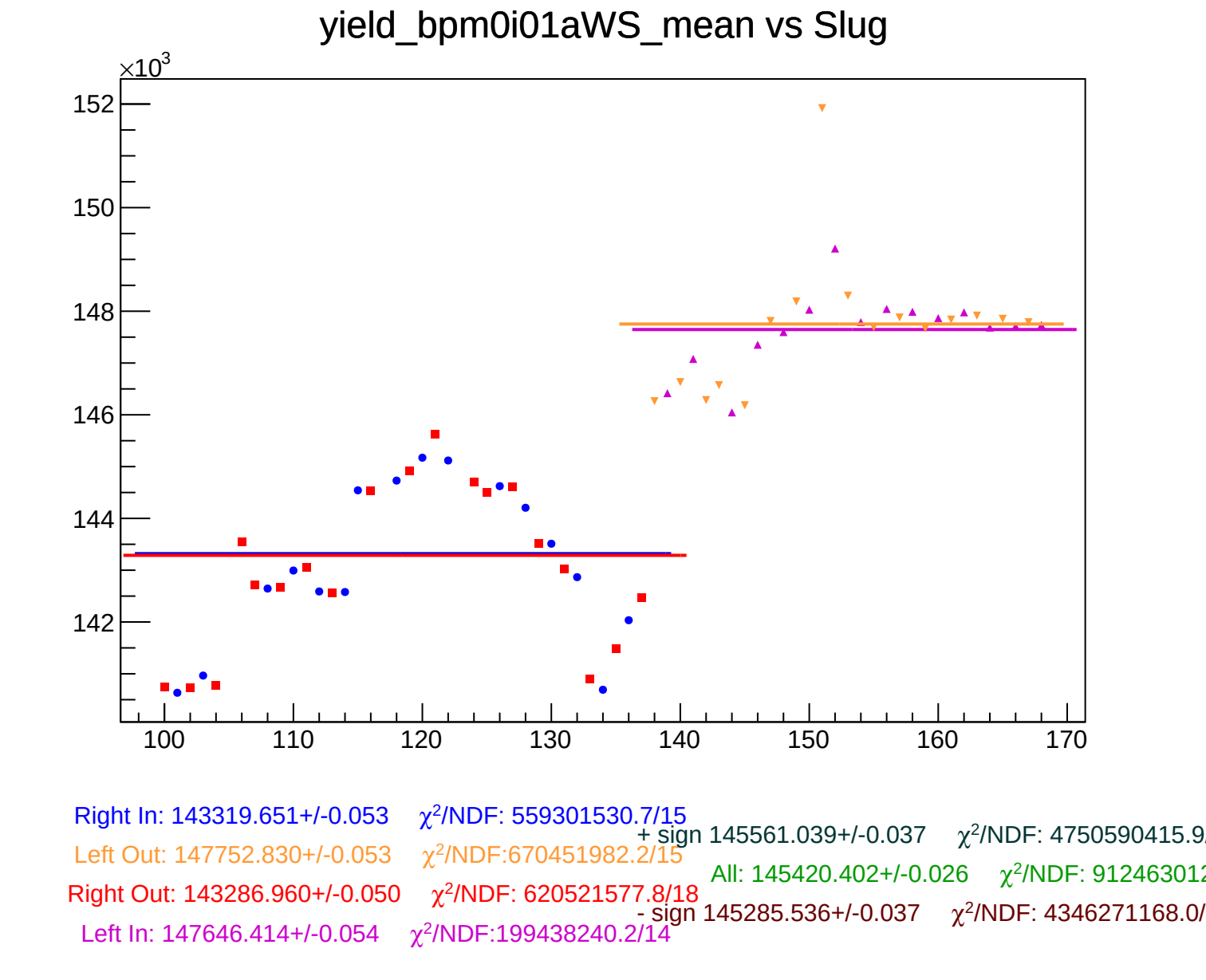
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 200.654+/-0.041 χ^2/NDF:327928.8/14

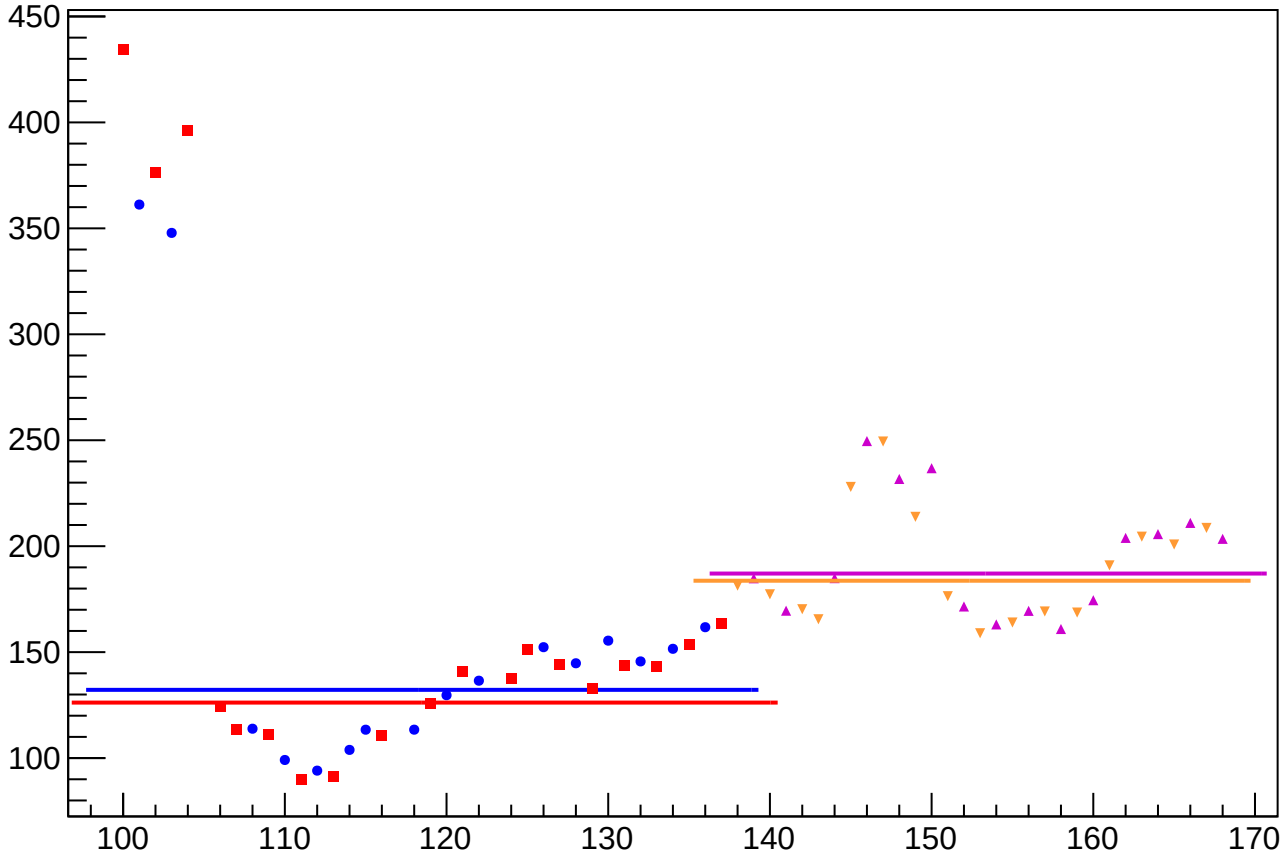
+ sign 179.277+/-0.030 χ^2/NDF: 1919423.8/31

All: 178.473+/-0.021 χ^2/NDF: 4171532.7/65

- sign 177.677+/-0.029 χ^2/NDF: 2250637.5/33


yield_bpm0i01aWS_mean vs Slug
×10^3
152
150
148
146
144
142
100
110
120
130
140
150
160
170
Right In: 143319.651+/-0.053 χ²/NDF: 559301530.7/15
Left Out: 147752.830+/-0.053 χ²/NDF:670451982.2/15
Right Out: 143286.960+/-0.050 χ²/NDF: 620521577.8/18
Left In: 147646.414+/-0.054 χ²/NDF:199438240.2/14
+ sign 145561.039+/-0.037 χ²/NDF: 4750590415.9
All: 145420.402+/-0.026 χ²/NDF: 912463012
- sign 145285.536+/-0.037 χ²/NDF: 4346271168.0/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 183.703+/-0.037 χ^2/NDF:376117.0/15

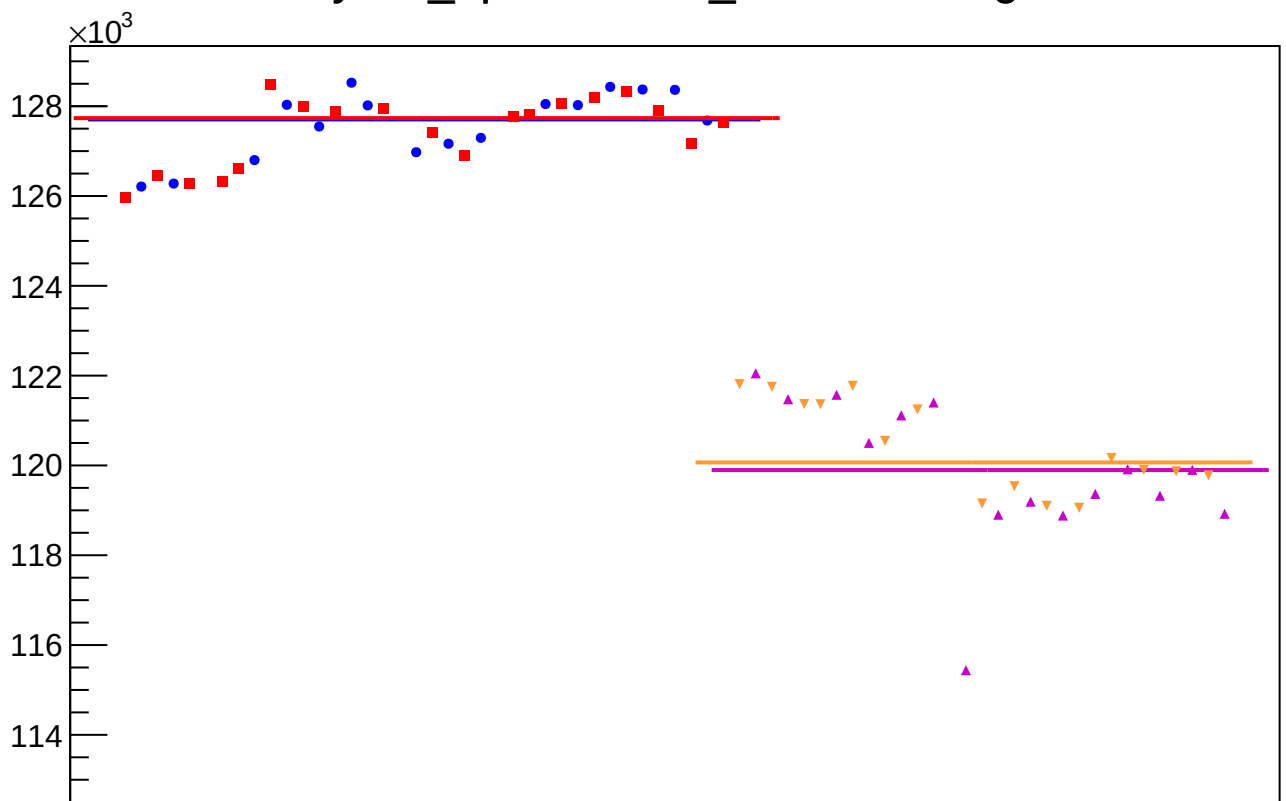
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 187.088+/-0.038 χ^2/NDF:437614.6/14

+ sign 158.241+/-0.026 χ^2/NDF: 2705525.3/31

All: 156.132+/-0.018 χ^2/NDF: 6076864.4/65

- sign 154.109+/-0.026 χ^2/NDF: 3358845.1/33



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120067.113+/-0.052 χ^2/NDF:1753999405.7/15

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

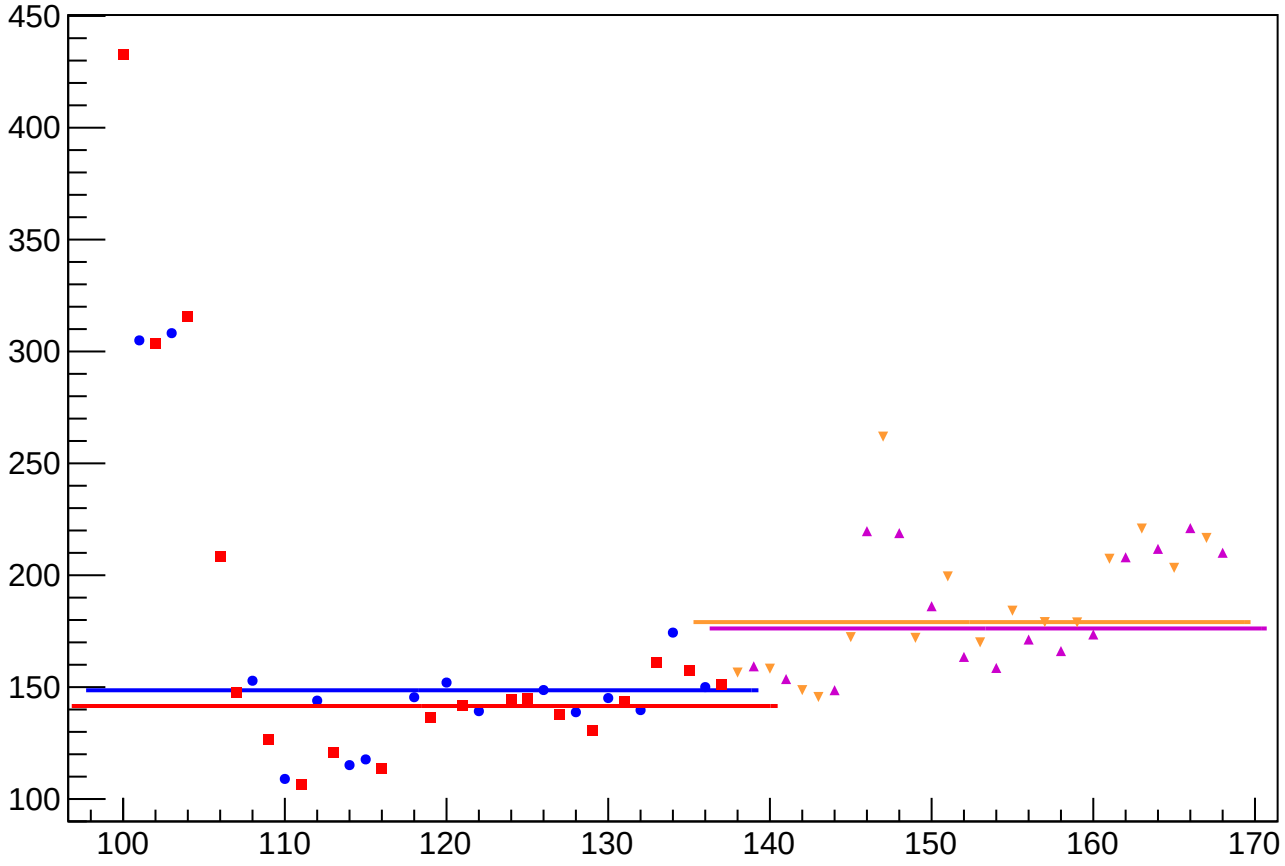
Left In: 119897.201+/-0.051 χ^2/NDF:1168765078.9/14

+ sign 123425.258+/-0.039 χ^2/NDF: 11438333225.

All: 123484.784+/-0.027 χ^2/NDF: 23621936

- sign 123540.400+/-0.037 χ^2/NDF: 12179034765.

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 179.064+/-0.037 χ^2/NDF:521830.4/15

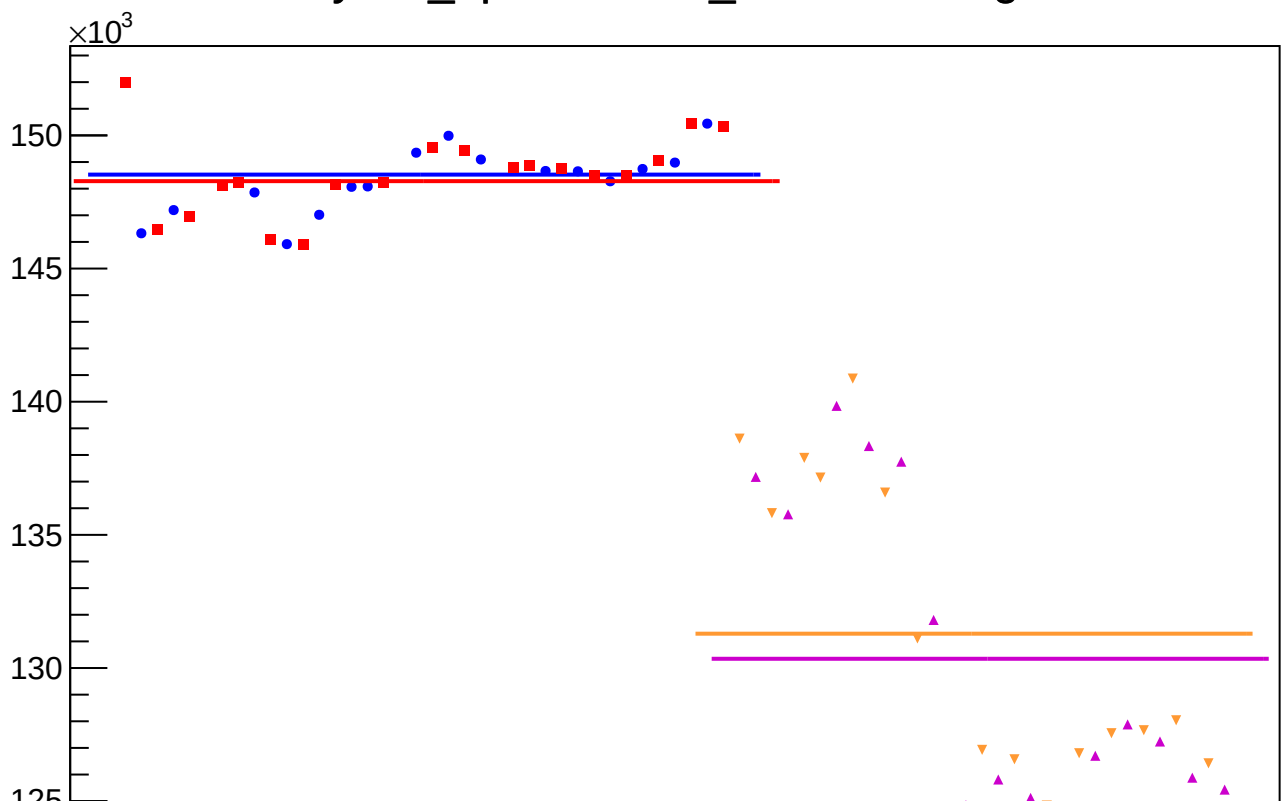
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 176.213+/-0.036 χ^2/NDF:451466.5/14

+ sign 165.667+/-0.027 χ^2/NDF: 1654450.8/31

All: 162.792+/-0.019 χ^2/NDF: 3554596.5/65

- sign 160.106+/-0.026 χ^2/NDF: 1878831.2/33



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 131289.327+/-0.075 χ^2/NDF:5271000866.5/15

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

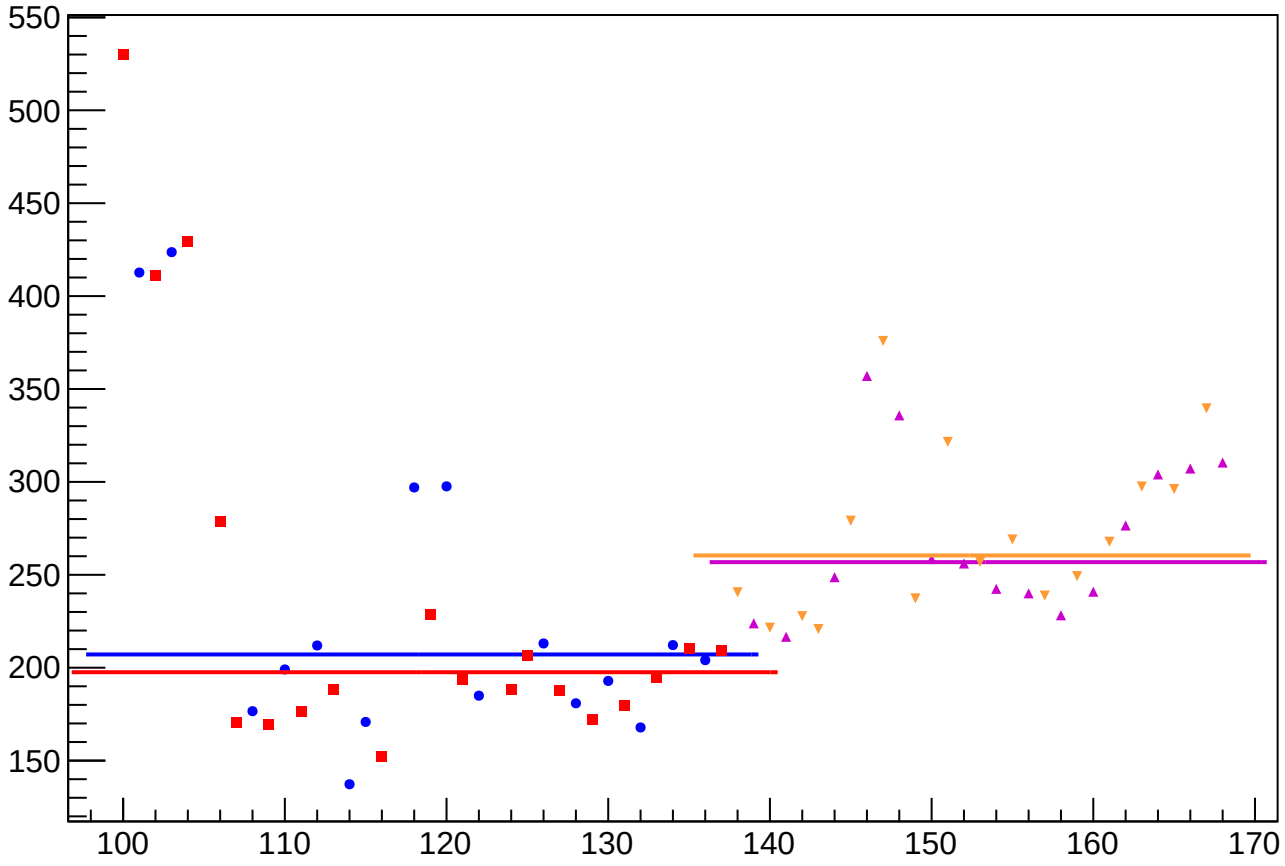
Left In: 130347.062+/-0.074 χ^2/NDF:5776283136.3/14

+ sign 139128.964+/-0.055 χ^2/NDF: 29610922520.

All: 139082.799+/-0.038 χ^2/NDF: 63929310

- sign 139039.797+/-0.053 χ^2/NDF: 34317040284.2

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 260.428+/-0.053 χ^2/NDF:515507.1/15

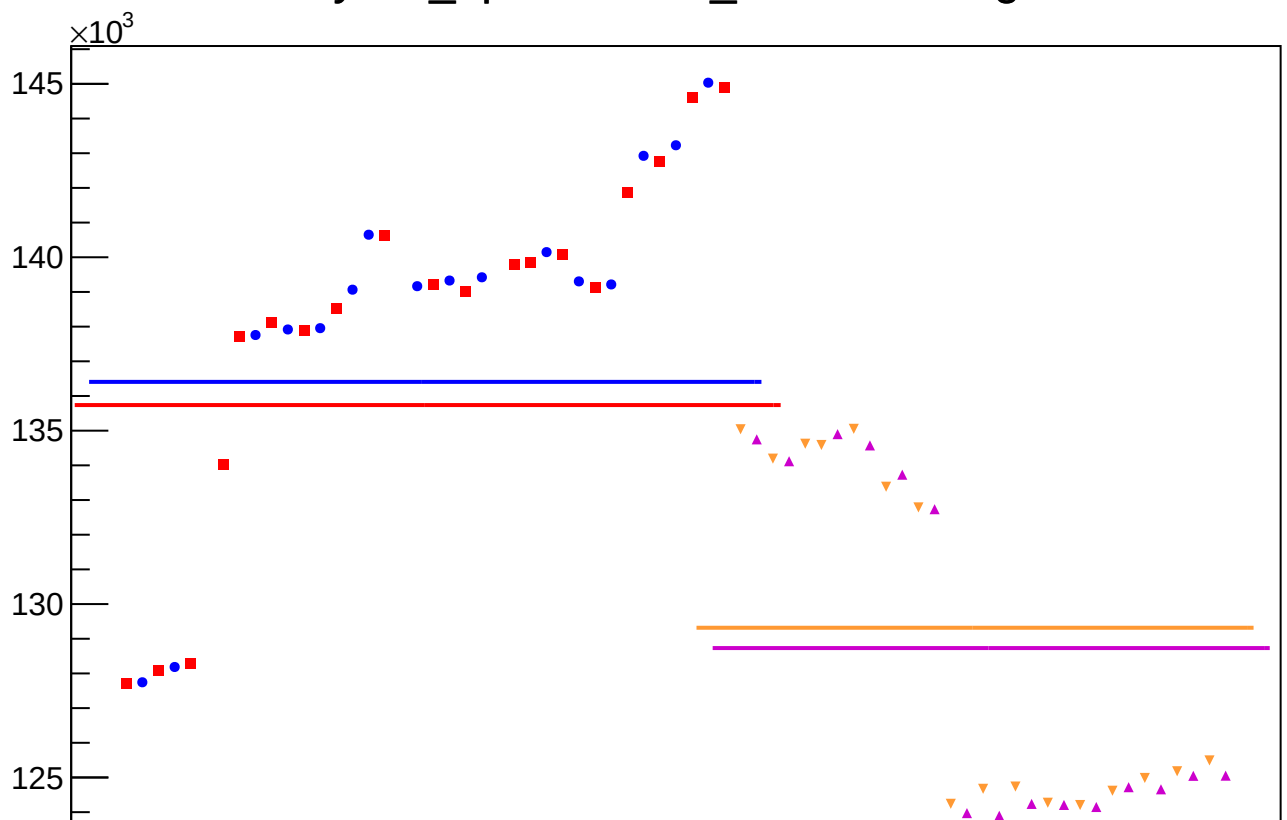
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 256.819+/-0.053 χ^2/NDF:492697.7/14

+ sign 236.191+/-0.039 χ^2/NDF: 1948982.9/31

All: 232.004+/-0.027 χ^2/NDF: 3984369.9/65

- sign 228.103+/-0.038 χ^2/NDF: 2013199.9/33



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 129317.422+/-0.168 χ^2/NDF:839498065.6/15

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

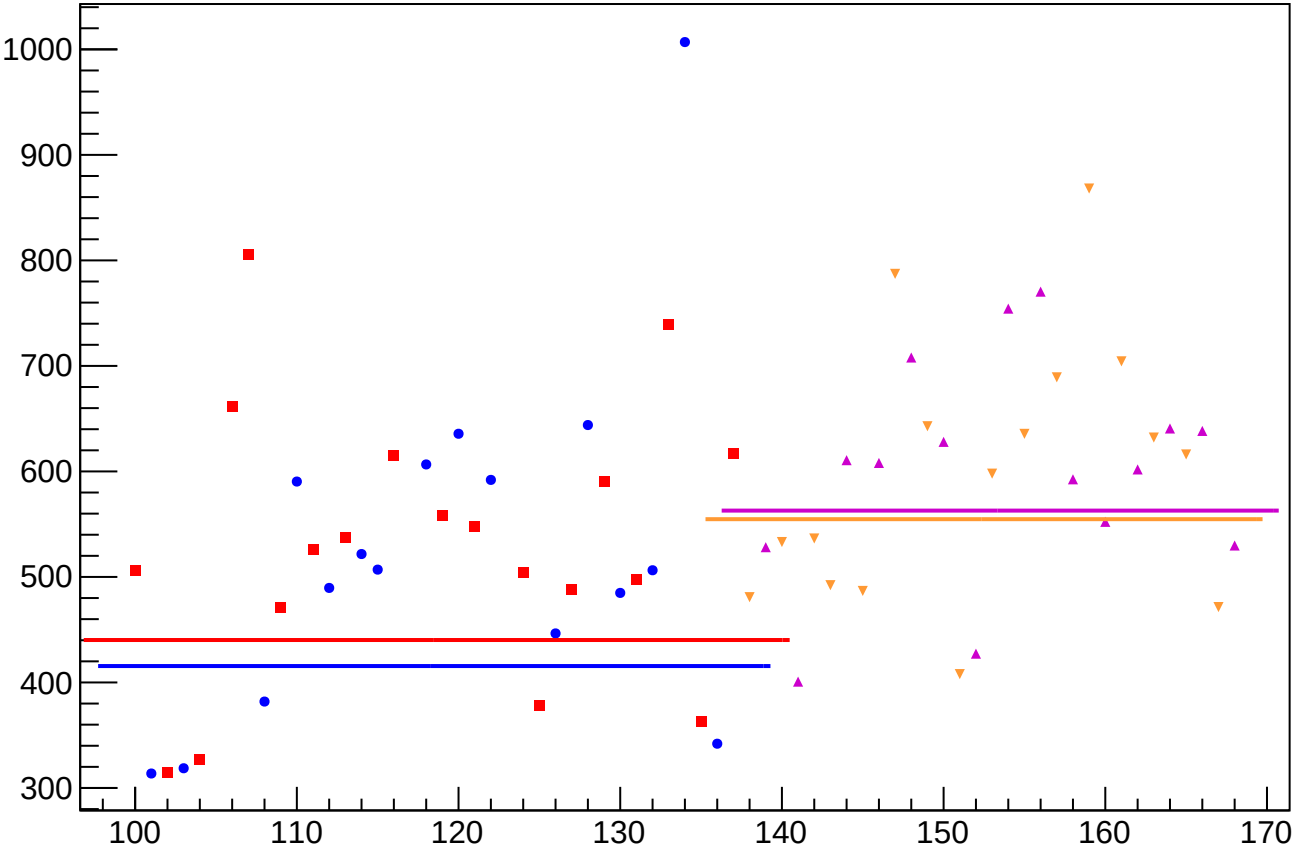
Left In: 128731.503+/-0.175 χ^2/NDF:780724493.4/14

+ sign 132855.627+/-0.119 χ^2/NDF: 3302523603.6

All: 132547.305+/-0.086 χ^2/NDF: 60633918

- sign 132210.409+/-0.124 χ^2/NDF: 2746841632.4/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 554.742+/-0.119 χ^2/NDF:849468.0/15

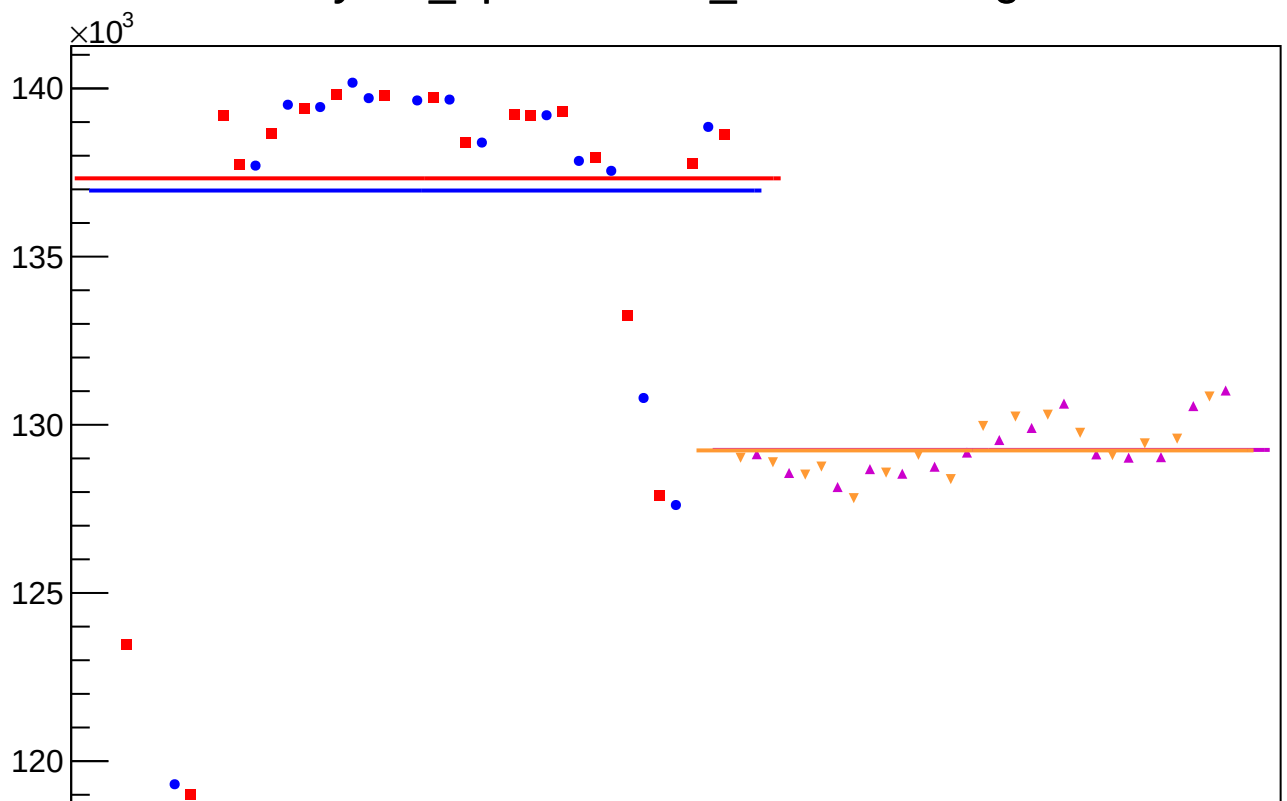
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 562.873+/-0.124 χ^2/NDF:720043.6/14

+ sign 485.273+/-0.084 χ^2/NDF: 2564127.8/31

All: 493.254+/-0.061 χ^2/NDF: 4699126.3/65

- sign 501.975+/-0.088 χ^2/NDF: 2116201.8/33



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129238.461+/-0.055 χ^2/NDF:194105310.5/15

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

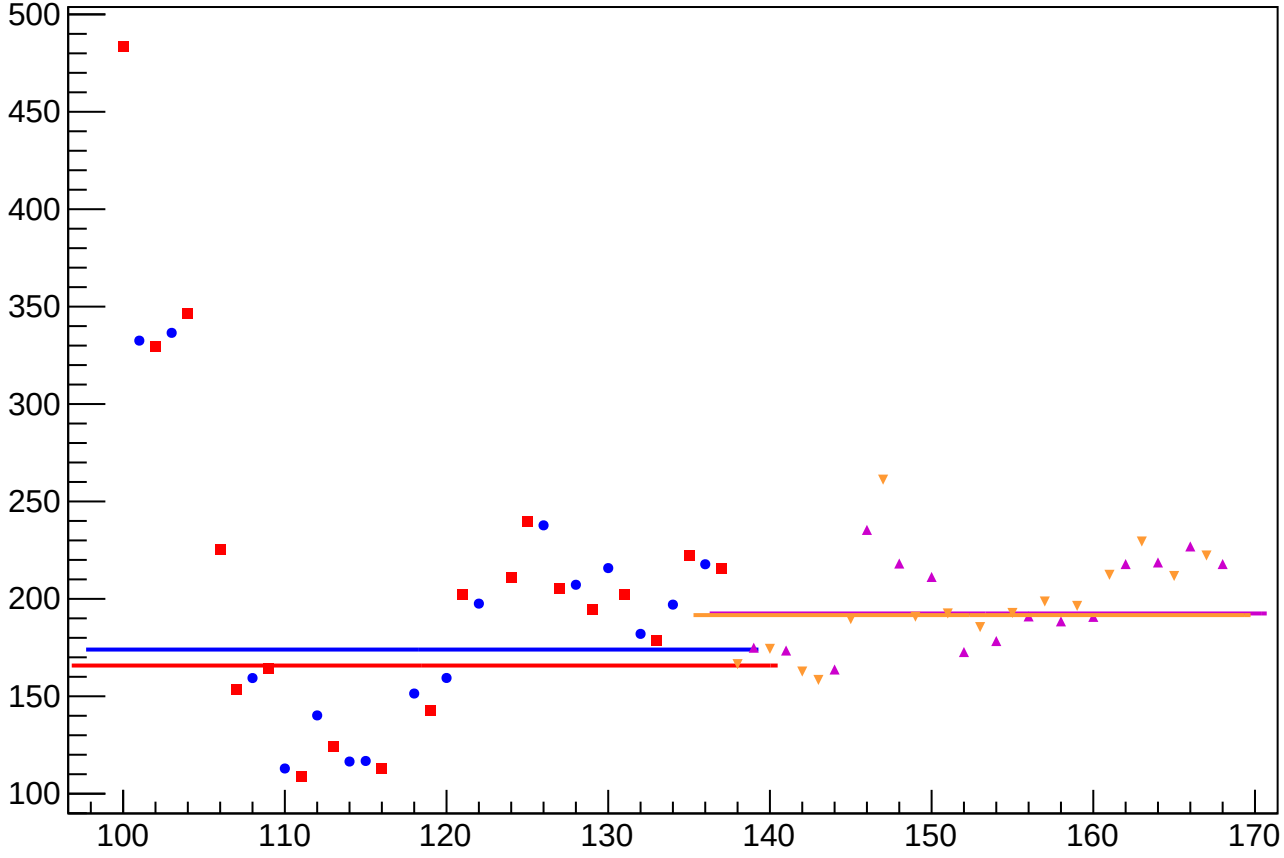
Left In: 129253.333+/-0.056 χ^2/NDF:208219523.0/14

+ sign 132201.305+/-0.043 χ^2/NDF: 13572239055.

All: 132417.388+/-0.030 χ^2/NDF: 28381071

- sign 132625.903+/-0.042 χ^2/NDF: 1475962127

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 191.668+/-0.039 χ^2/NDF:370100.7/15

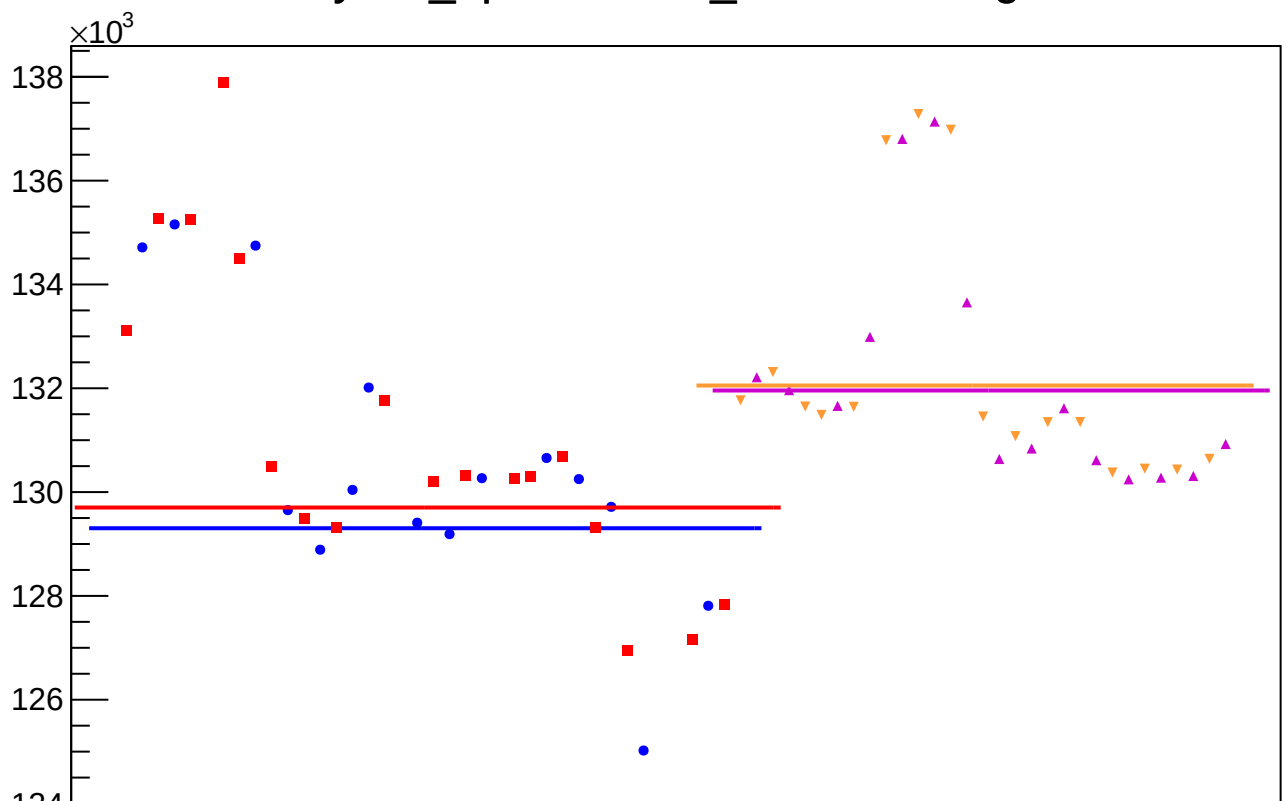
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 192.506+/-0.039 χ^2/NDF:308762.2/14

+ sign 184.886+/-0.031 χ^2/NDF: 1637924.8/31

All: 183.083+/-0.021 χ^2/NDF: 3579833.5/65

- sign 181.343+/-0.030 χ^2/NDF: 1935055.6/33



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132053.126+/-0.055 χ^2/NDF:1294990805.5/15

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

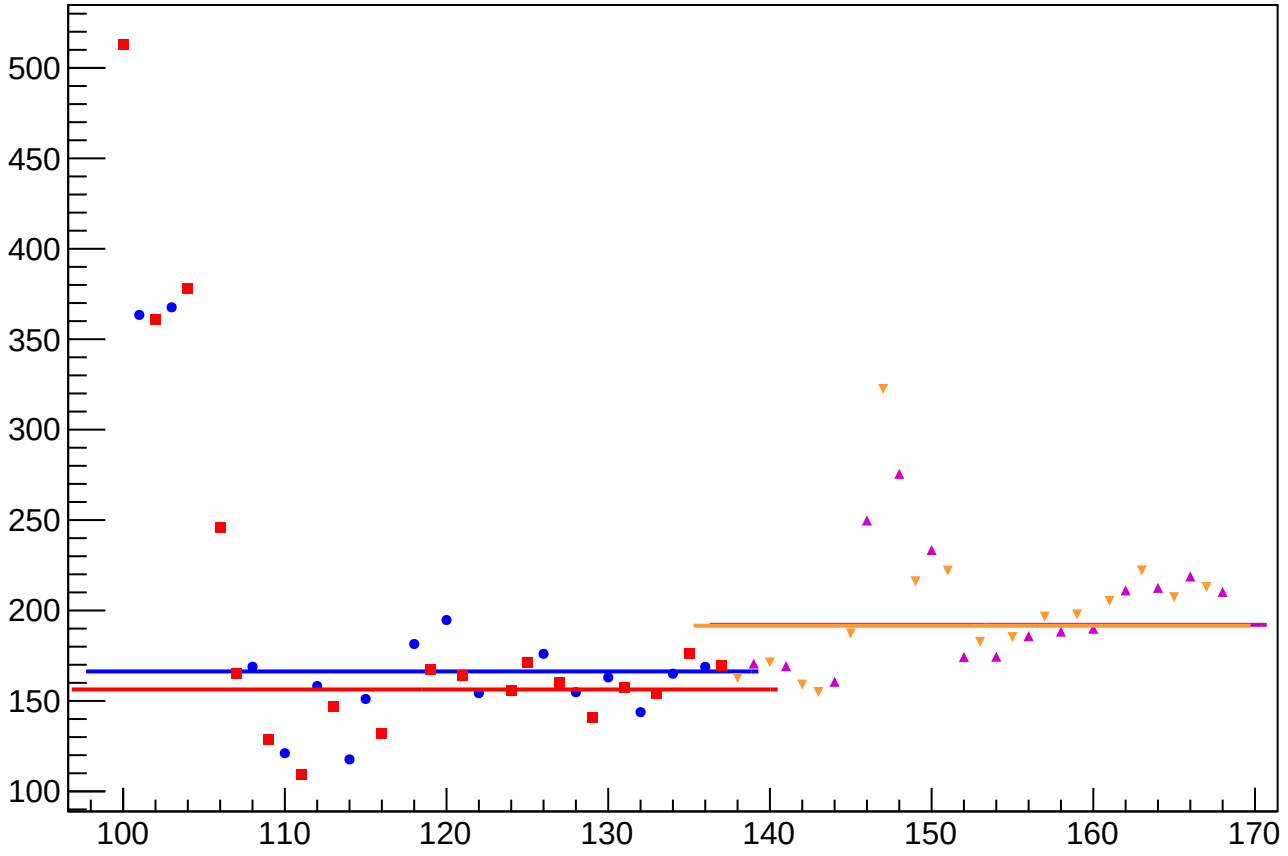
Left In: 131957.114+/-0.056 χ^2/NDF:1046540759.3/14

+ sign 130922.723+/-0.042 χ^2/NDF: 3960733771.7

All: 130932.146+/-0.030 χ^2/NDF: 75223274

- sign 130941.073+/-0.041 χ^2/NDF: 3561497721.7/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 191.590+/-0.039 χ^2/NDF:585509.0/15

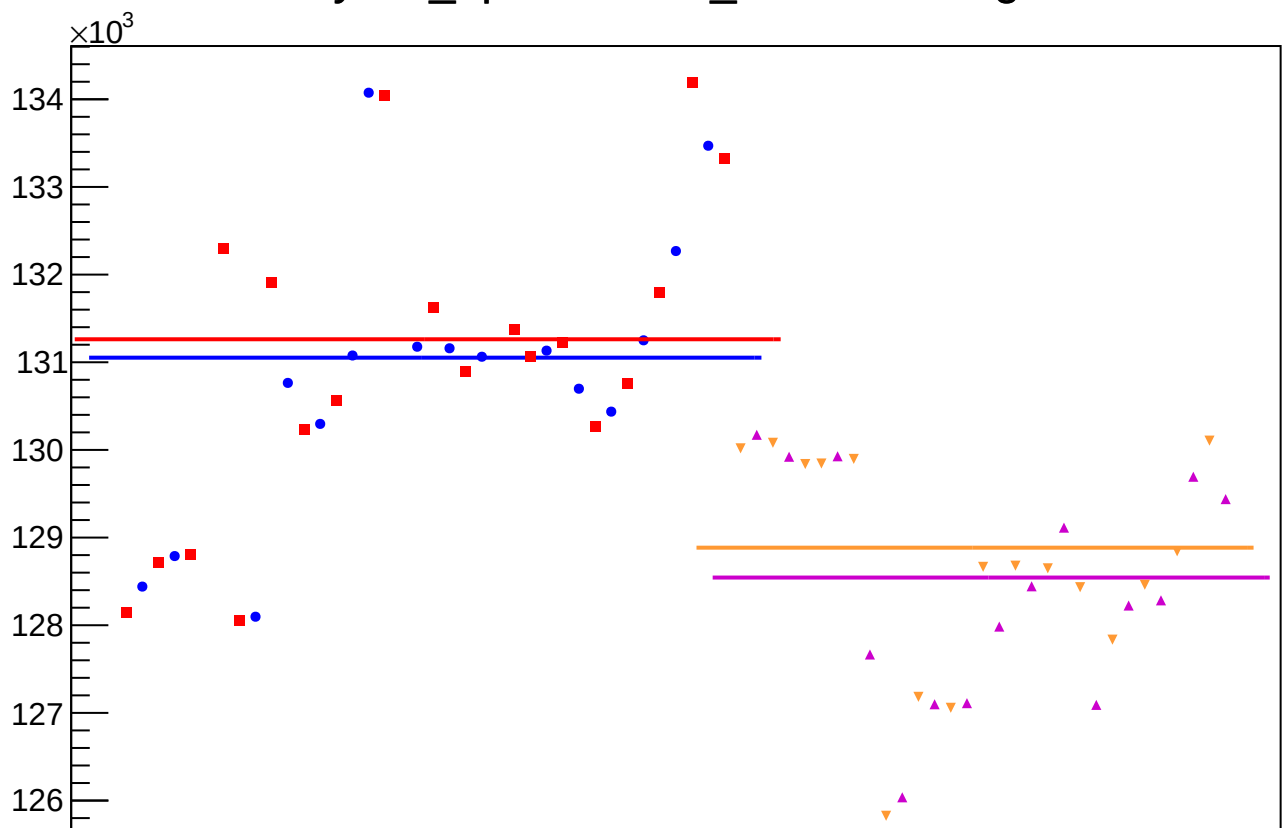
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 192.079+/-0.039 χ^2/NDF:513857.8/14

+ sign 181.192+/-0.030 χ^2/NDF: 1695283.1/31

All: 178.510+/-0.021 χ^2/NDF: 3768154.5/65

- sign 175.970+/-0.029 χ^2/NDF: 2057327.8/33



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128884.863+/-0.053 χ^2/NDF:462190120.1/15

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

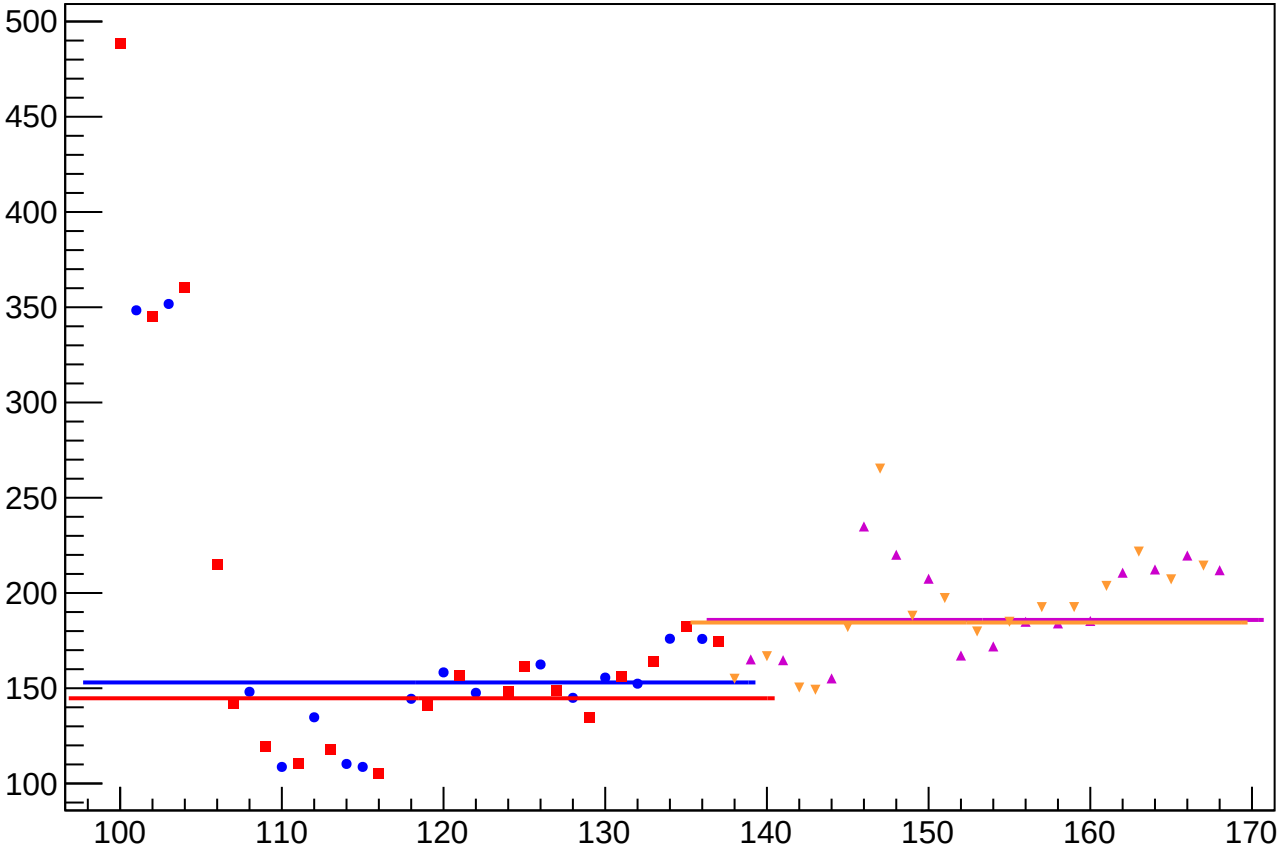
Left In: 128543.982+/-0.054 χ^2/NDF:535917589.2/14

+ sign 129824.356+/-0.040 χ^2/NDF: 1709786820.4

All: 129827.726+/-0.028 χ^2/NDF: 40617125

- sign 129830.940+/-0.039 χ^2/NDF: 2351911808.3/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 184.500+/-0.038 χ^2/NDF:479643.5/15

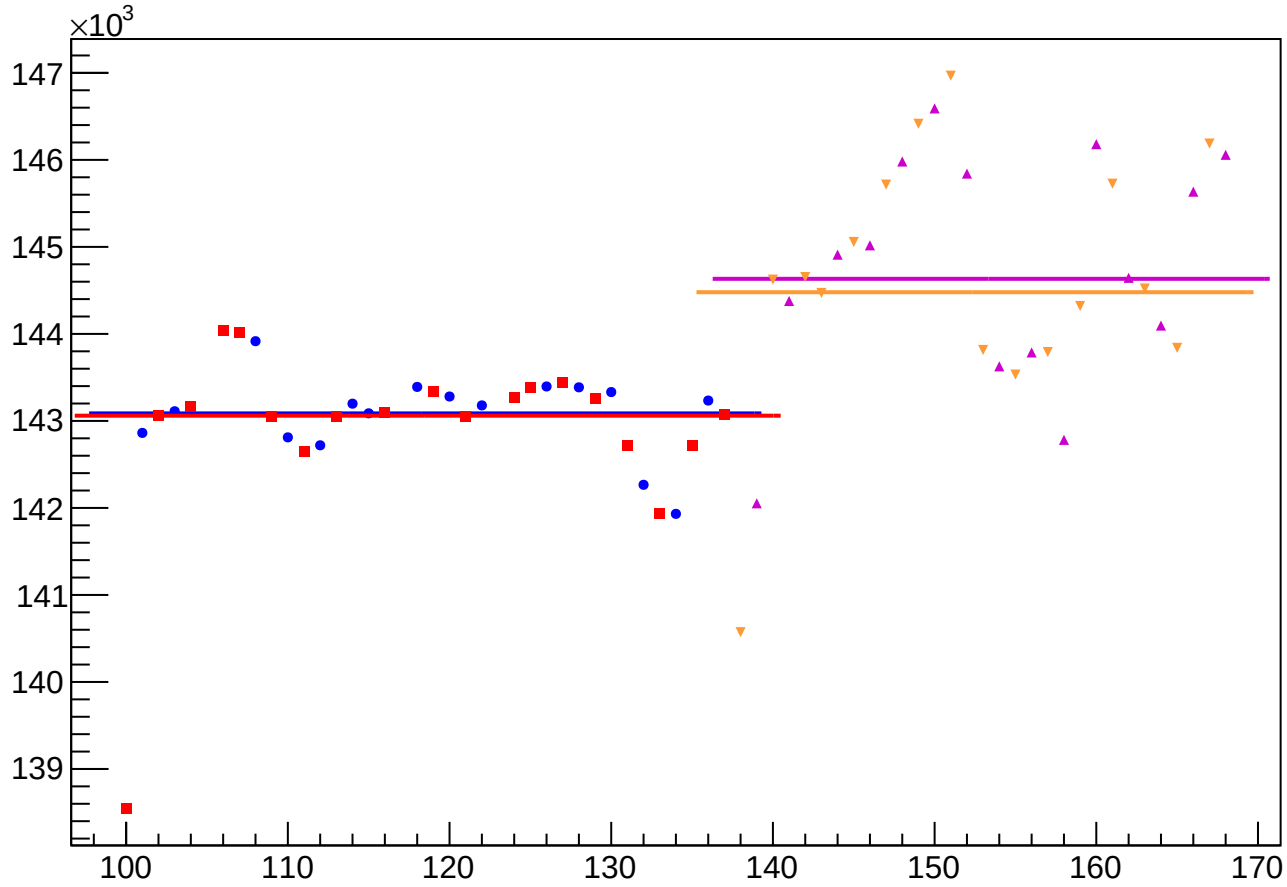
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 185.860+/-0.038 χ^2/NDF:385007.3/14

+ sign 170.865+/-0.028 χ^2/NDF: 1844043.1/31

All: 168.573+/-0.020 χ^2/NDF: 4060186.4/65

- sign 166.387+/-0.028 χ^2/NDF: 2203265.7/33



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144479.188+/-0.061 χ^2/NDF:639669361.2/15

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

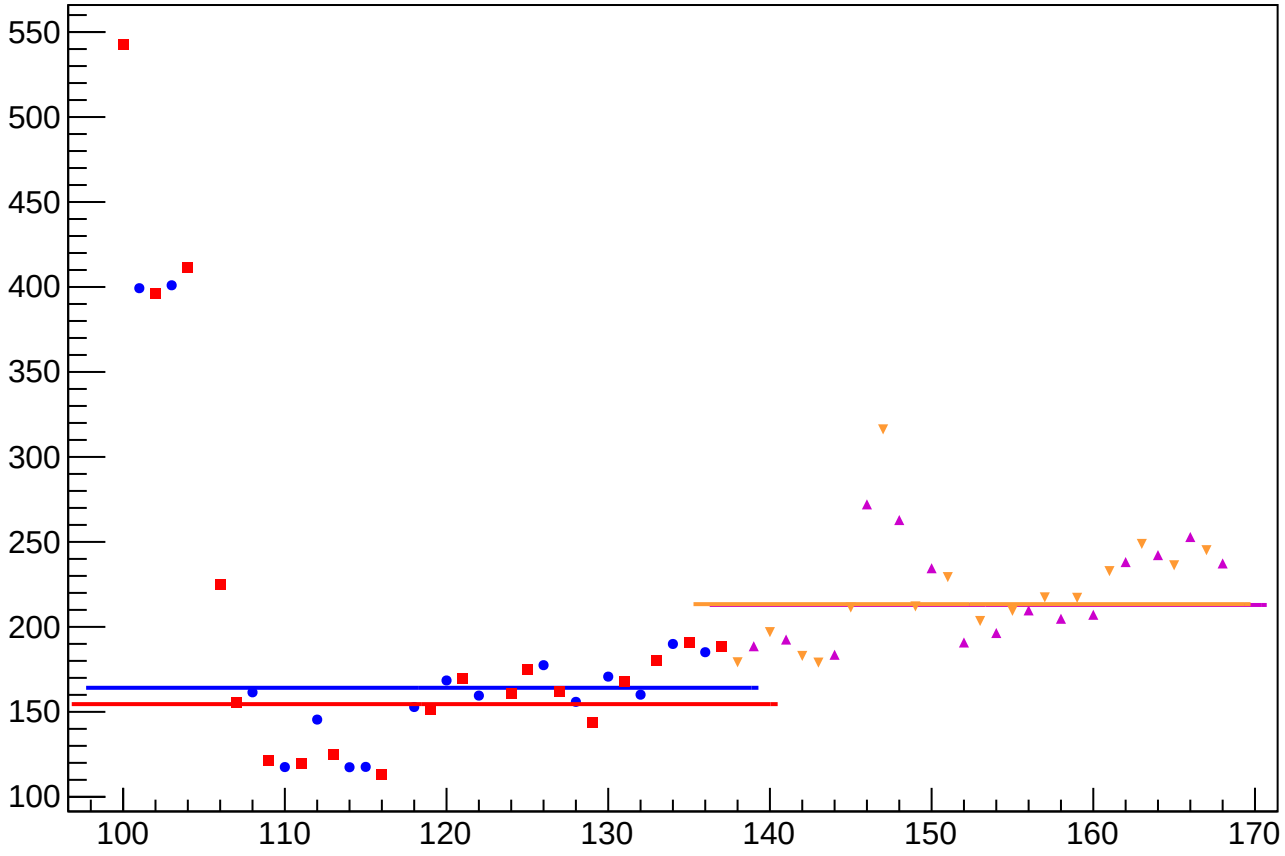
Left In: 144633.069+/-0.062 χ^2/NDF:473290720.5/14

+ sign 143823.747+/-0.045 χ^2/NDF: 928804320.3/3

All: 143829.453+/-0.031 χ^2/NDF: 17849534

- sign 143834.799+/-0.043 χ^2/NDF: 856117489.7/3

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 213.380+/-0.043 χ^2/NDF:417096.9/15

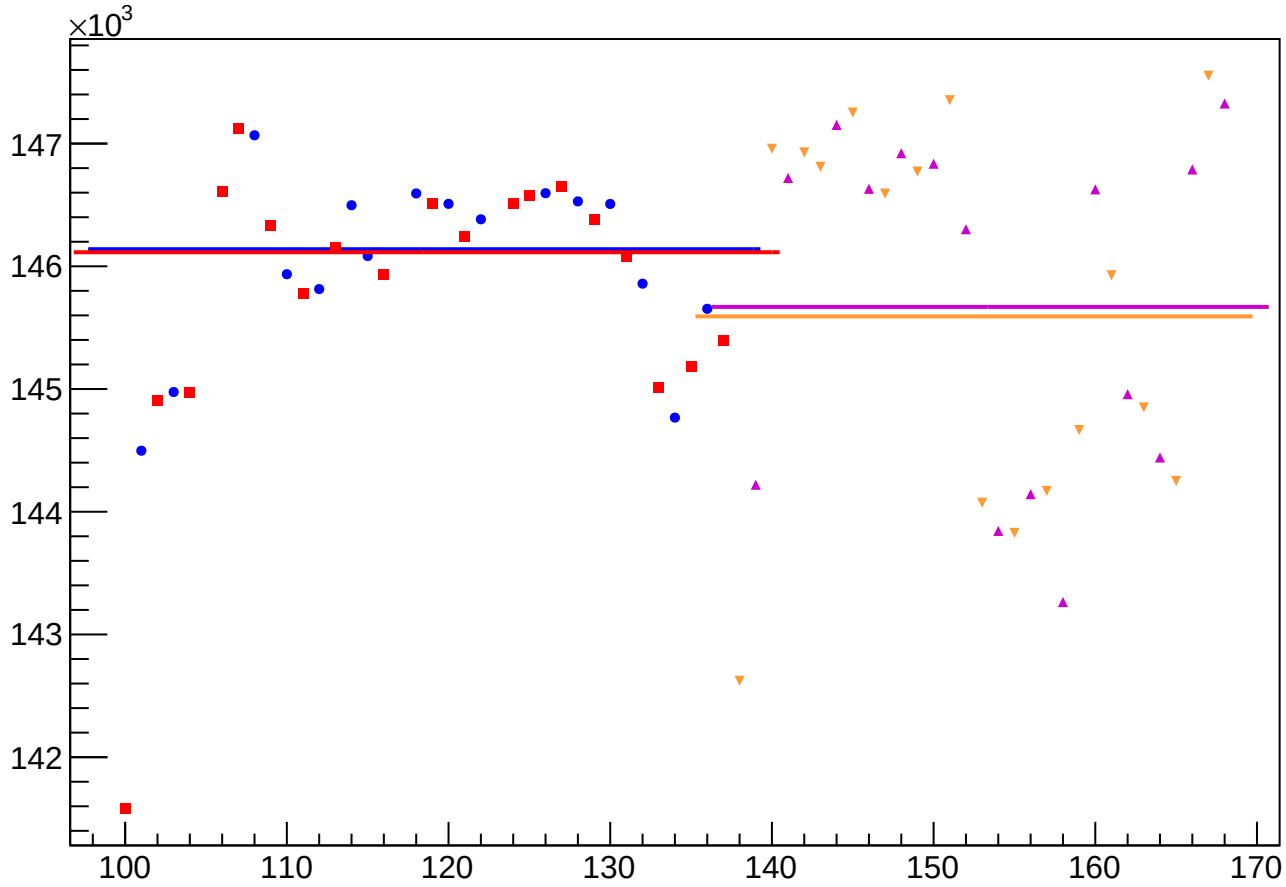
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 212.898+/-0.044 χ^2/NDF:368523.5/14

+ sign 190.219+/-0.032 χ^2/NDF: 2152233.6/31

All: 186.640+/-0.022 χ^2/NDF: 4823640.8/65

- sign 183.288+/-0.031 χ^2/NDF: 2646520.5/33



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145591.851+/-0.061 χ^2/NDF:672090201.3/15

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

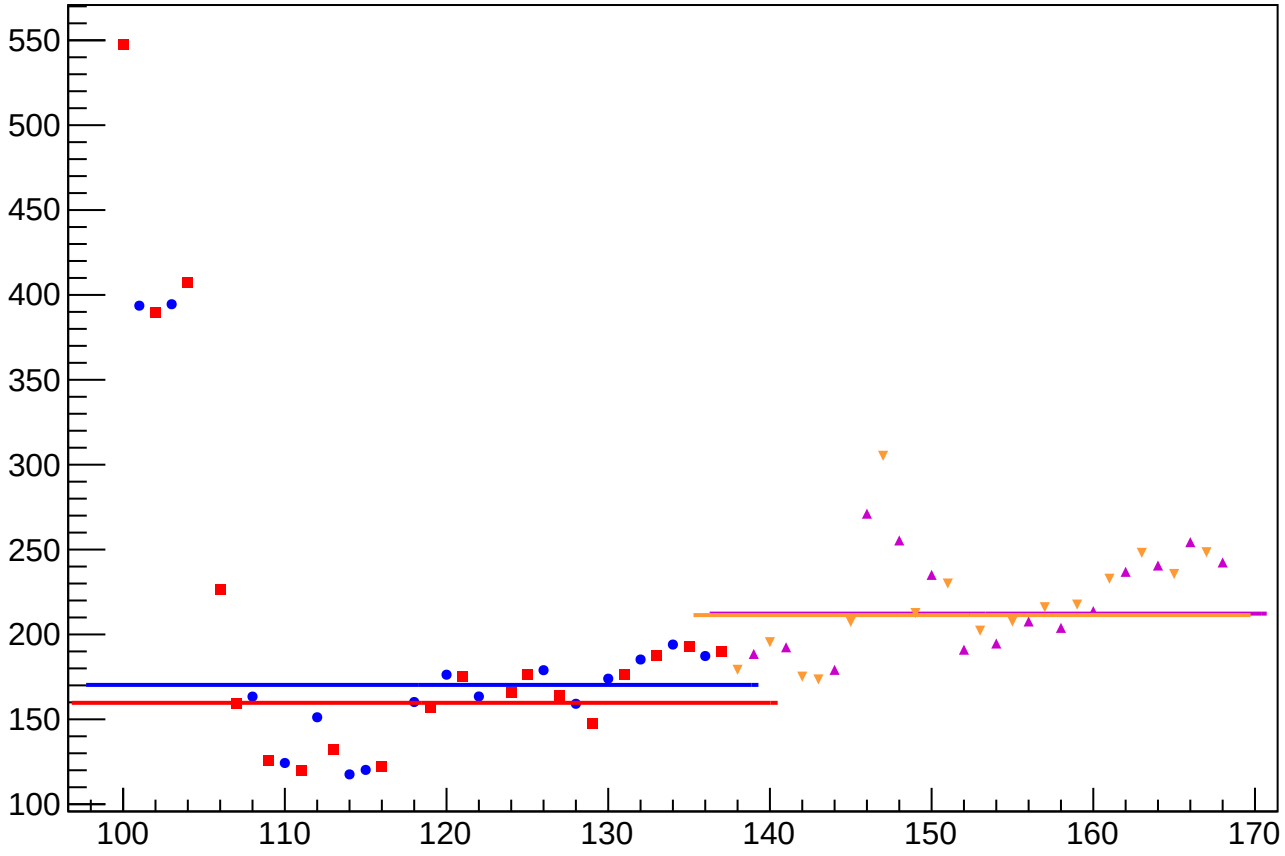
Left In: 145669.216+/-0.061 χ^2/NDF:526047012.8/14

+ sign 145837.372+/-0.045 χ^2/NDF: 780194655.4/3

All: 145863.480+/-0.031 χ^2/NDF: 14058140

- sign 145888.073+/-0.044 χ^2/NDF: 624969614.8/3

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 211.405+/-0.043 χ^2/NDF:441578.0/15

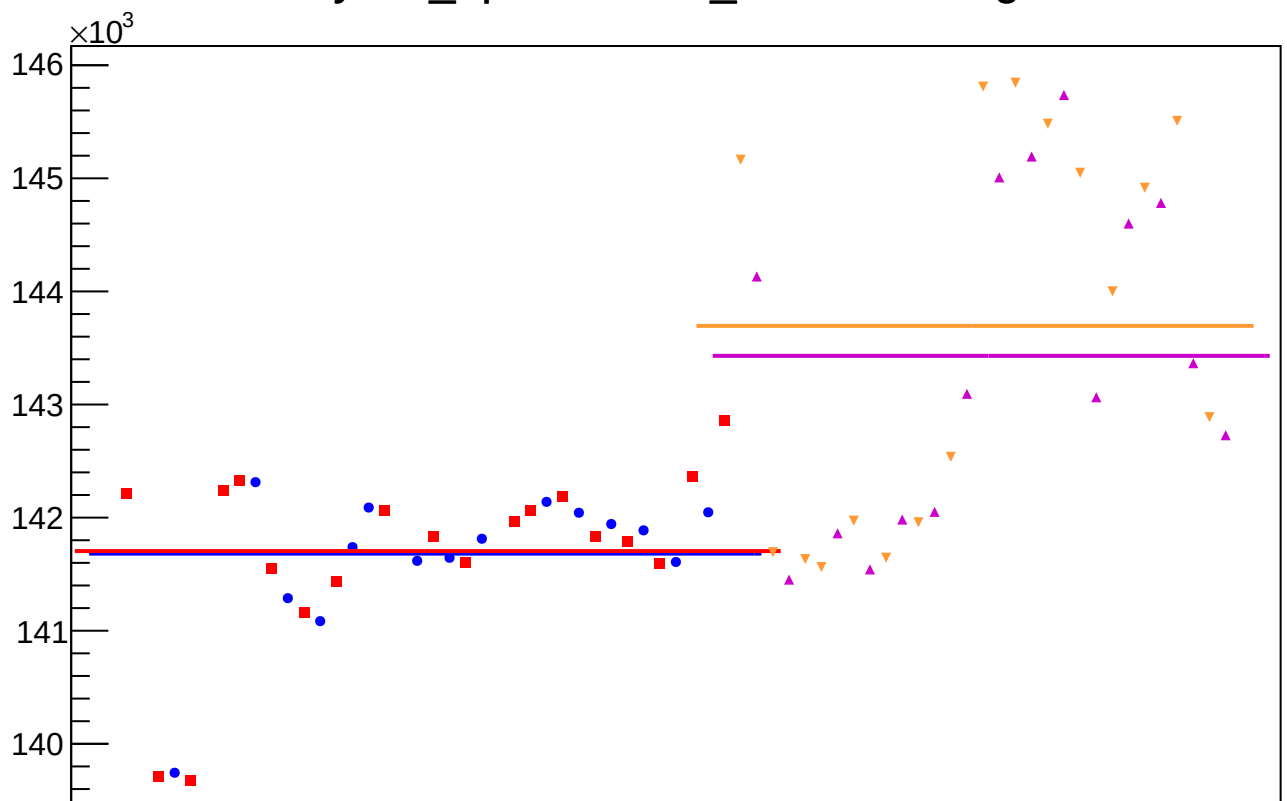
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 212.270+/-0.043 χ^2/NDF:379414.9/14

+ sign 192.958+/-0.032 χ^2/NDF: 1909952.8/31

All: 189.602+/-0.022 χ^2/NDF: 4321387.4/65

- sign 186.441+/-0.031 χ^2/NDF: 2389961.4/33



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143695.478+/-0.064 χ^2/NDF:701543396.0/15

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

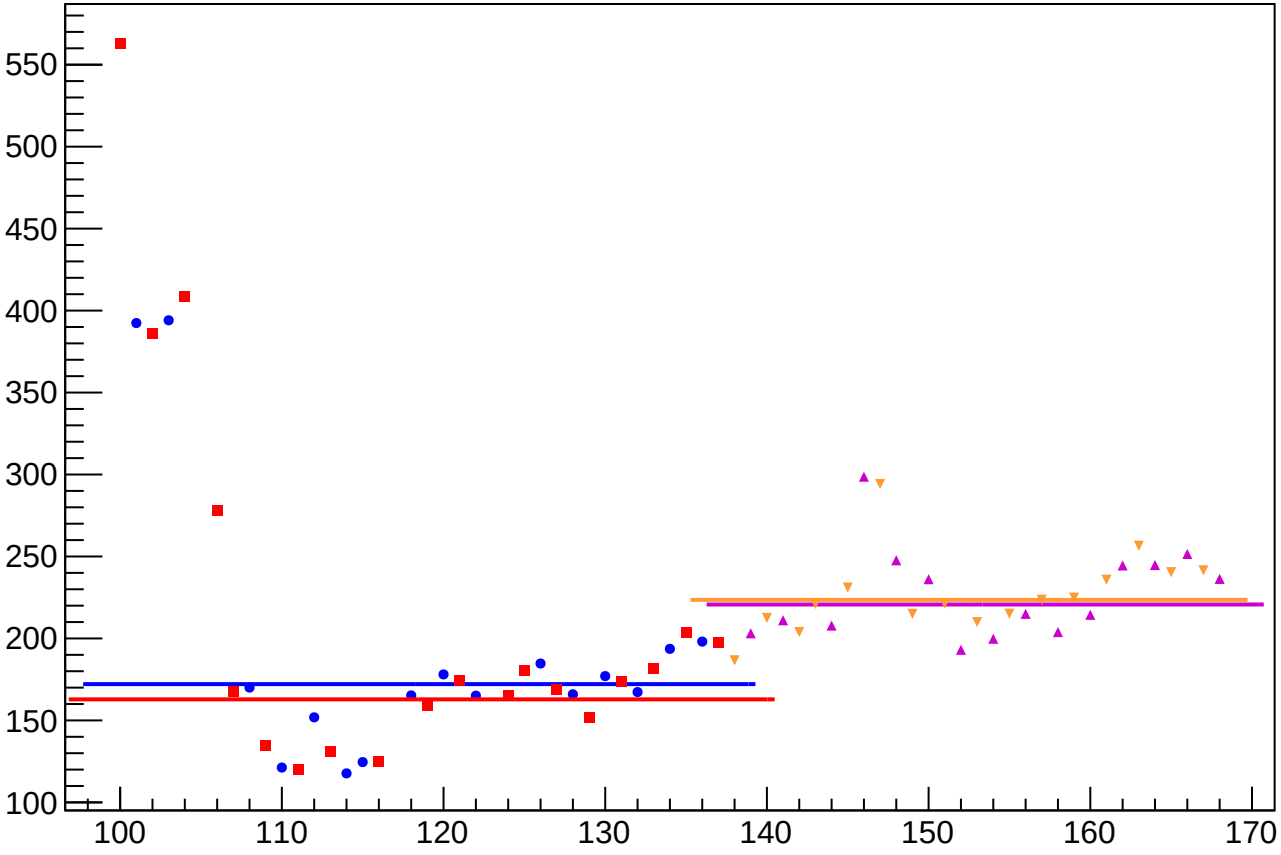
Left In: 143430.439+/-0.064 χ^2/NDF:494508505.6/14

+ sign 142754.781+/-0.047 χ^2/NDF: 1229385362.7

All: 142657.940+/-0.032 χ^2/NDF: 21639340

- sign 142567.454+/-0.045 χ^2/NDF: 926217093.6/3

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 223.532+/-0.045 χ^2/NDF:227221.5/15

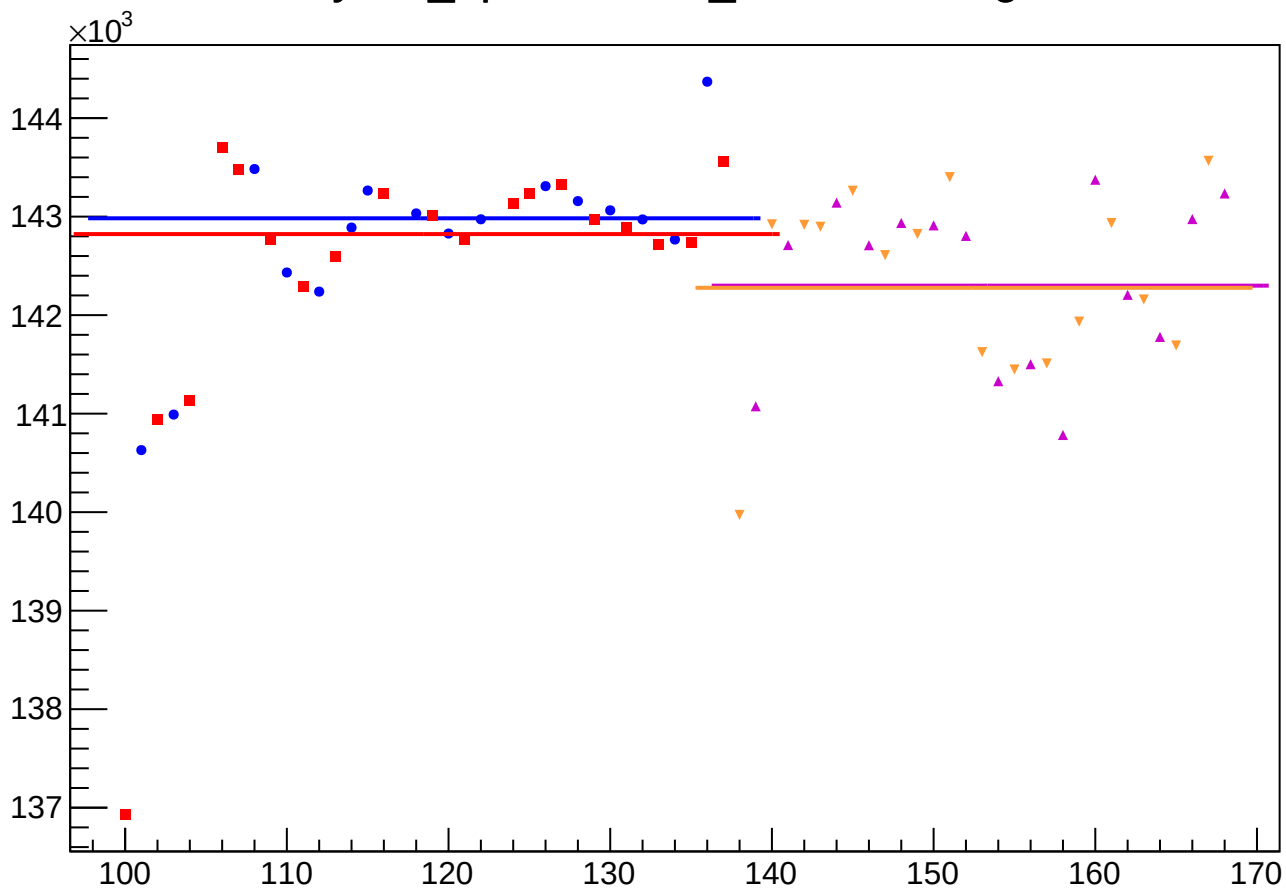
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 220.708+/-0.045 χ^2/NDF:286158.9/14

+ sign 199.523+/-0.033 χ^2/NDF: 1899713.7/31

All: 195.521+/-0.023 χ^2/NDF: 4343052.4/65

- sign 191.781+/-0.032 χ^2/NDF: 2414880.3/33



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142277.540+/-0.059 χ^2/NDF:274592719.2/15

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

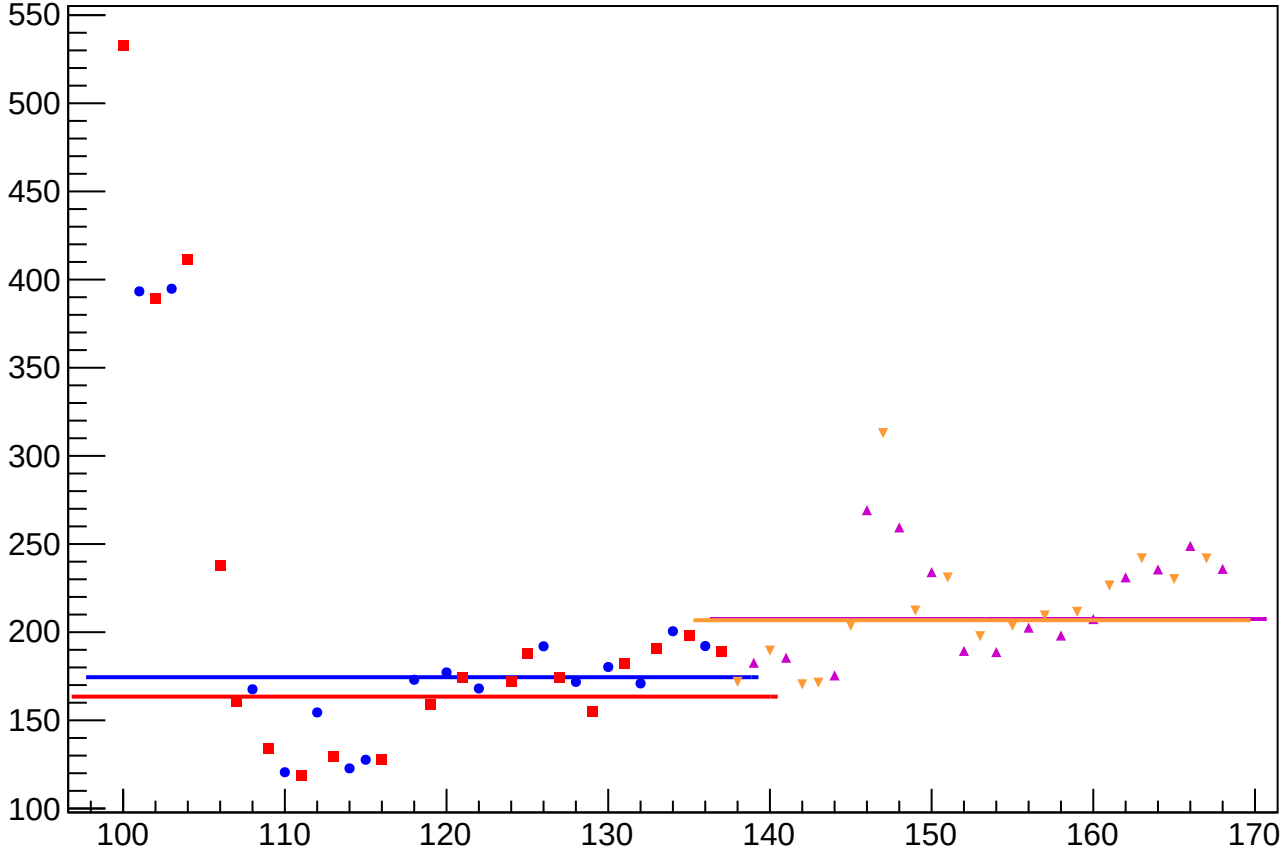
Left In: 142299.350+/-0.060 χ^2/NDF:209914174.8/14

+ sign 142577.570+/-0.045 χ^2/NDF: 442172885.9/3

All: 142560.404+/-0.031 χ^2/NDF: 75150465

- sign 142544.195+/-0.044 χ^2/NDF: 309049735.9/3

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 206.795+/-0.042 χ^2/NDF:488681.0/15

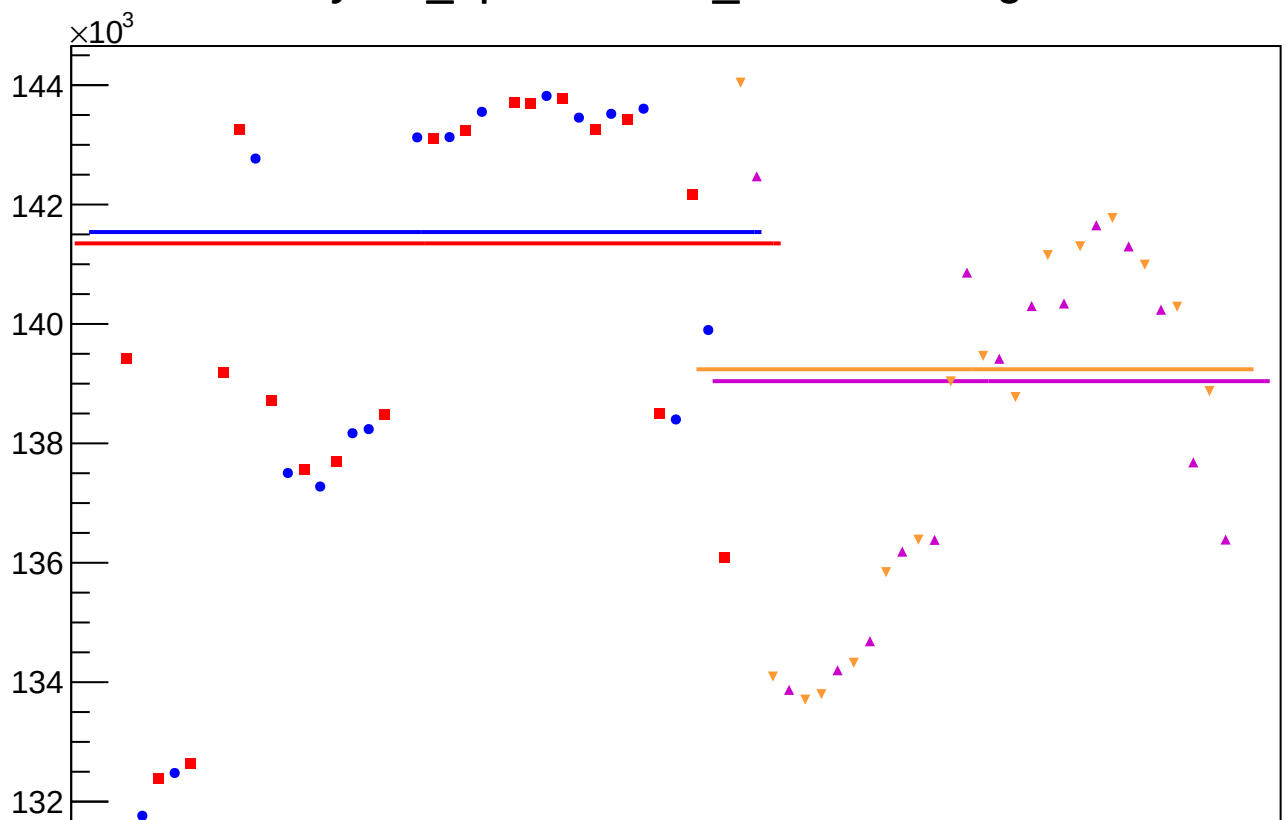
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 207.486+/-0.042 χ^2/NDF:420255.7/14

+ sign 193.046+/-0.032 χ^2/NDF: 1789319.0/31

All: 189.877+/-0.022 χ^2/NDF: 4014741.1/65

- sign 186.885+/-0.031 χ^2/NDF: 2206195.4/33



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 139240.714+/-0.088 χ^2/NDF:1414035764.0/15

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

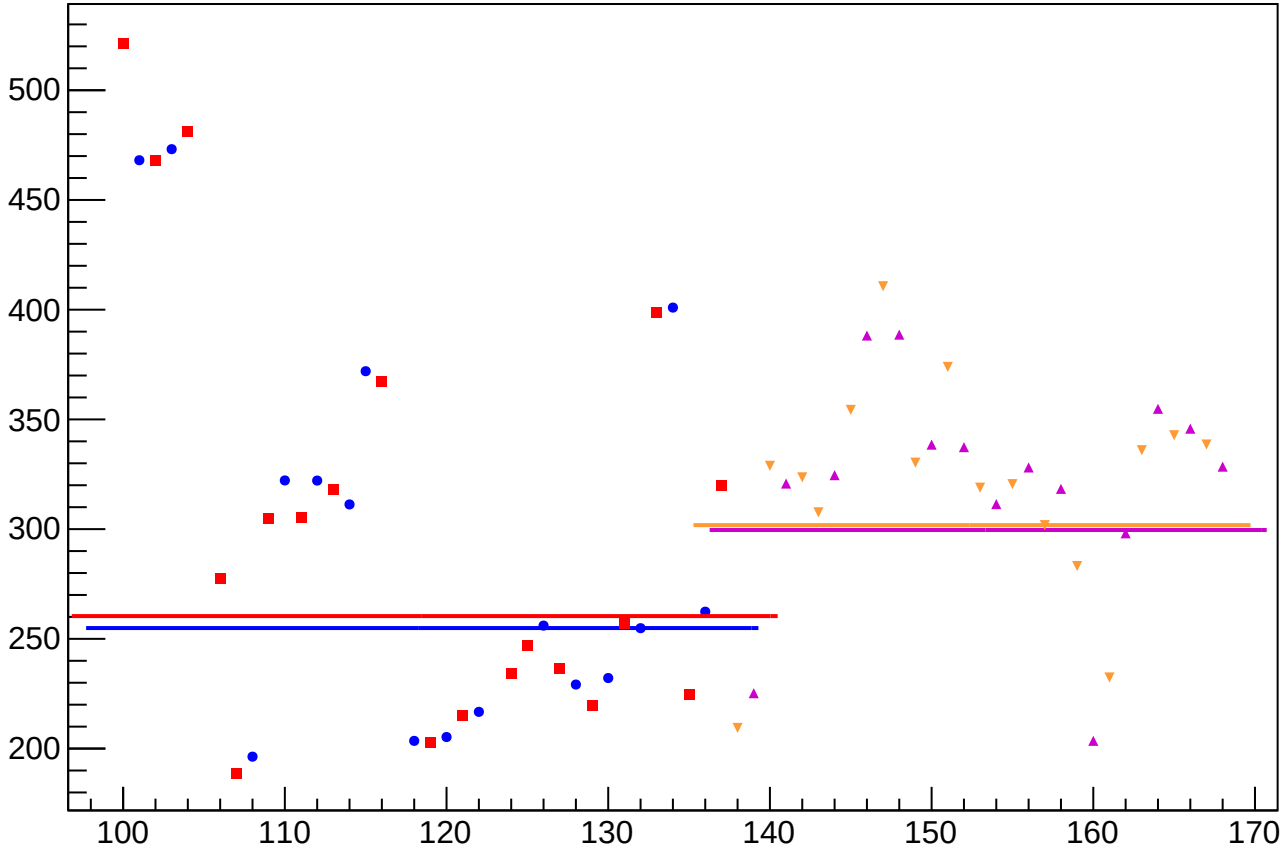
Left In: 139042.143+/-0.088 χ^2/NDF:1103518748.0/14

+ sign 140230.270+/-0.066 χ^2/NDF: 2657911095.5

All: 140134.226+/-0.047 χ^2/NDF: 49887591

- sign 140037.511+/-0.066 χ^2/NDF: 2326616214.1/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 301.827+/-0.062 χ^2/NDF:745175.9/15

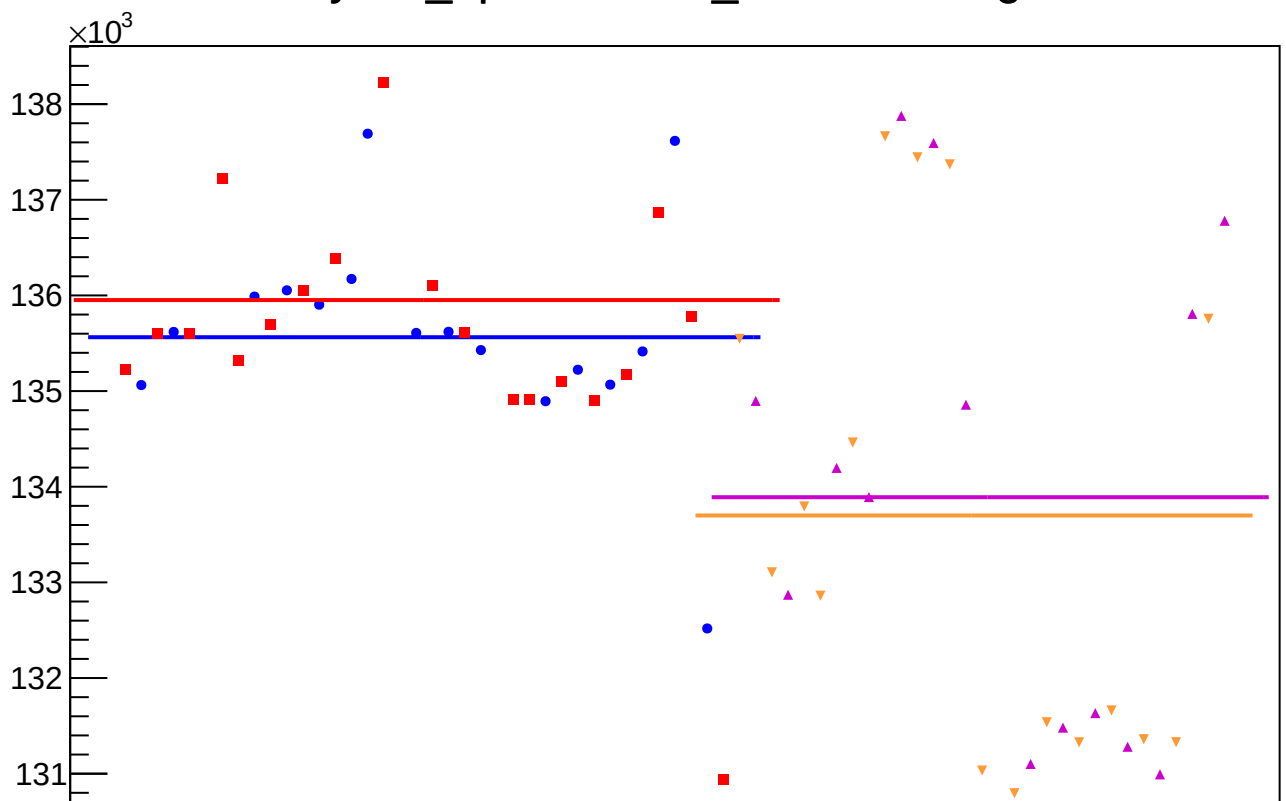
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 299.595+/-0.062 χ^2/NDF:857194.0/14

+ sign 281.634+/-0.047 χ^2/NDF: 1941739.9/31

All: 282.152+/-0.033 χ^2/NDF: 3963834.3/65

- sign 282.673+/-0.047 χ^2/NDF: 2021848.4/33



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 133699.351+/-0.077 χ^2/NDF:696294069.6/15

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

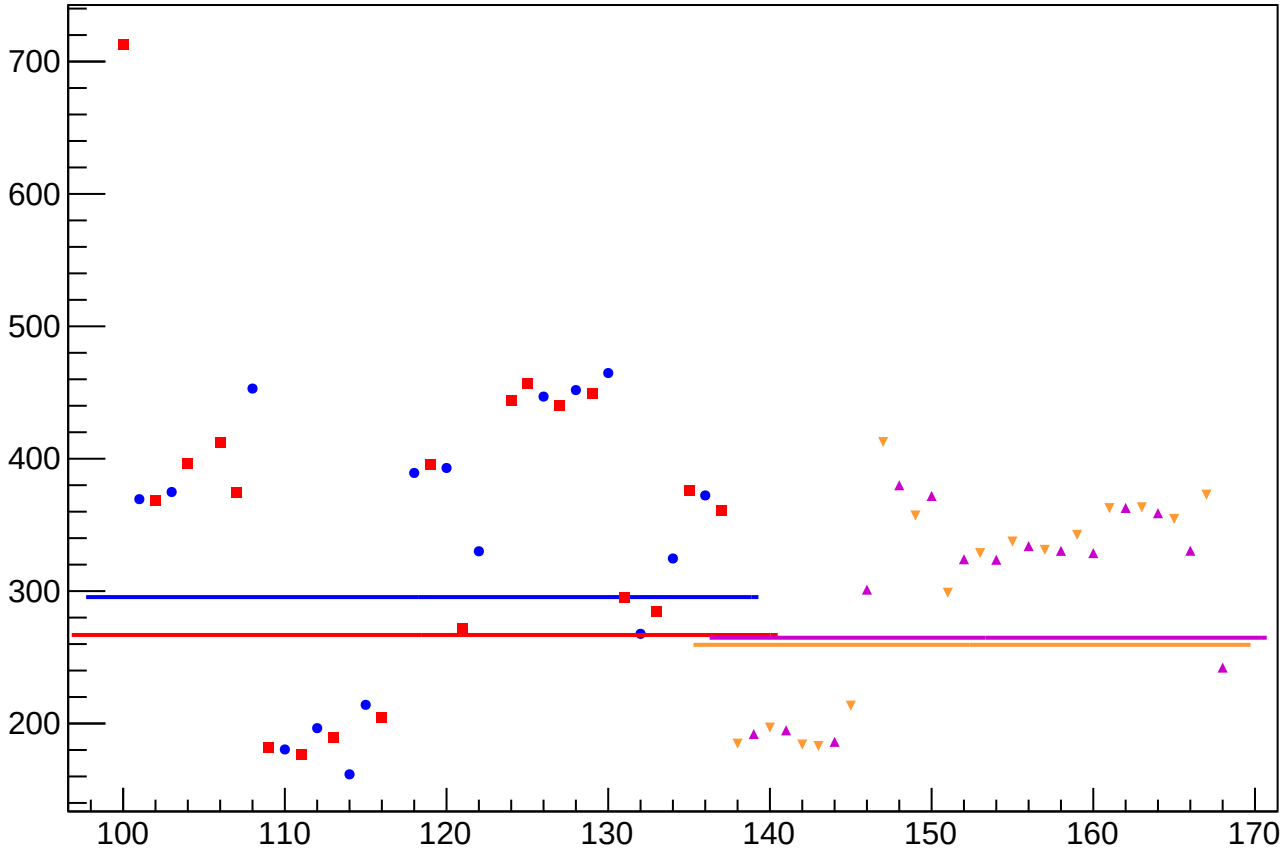
Left In: 133890.461+/-0.079 χ^2/NDF:686894336.0/14

+ sign 134257.446+/-0.065 χ^2/NDF: 964175031.4/3

All: 134443.863+/-0.045 χ^2/NDF: 20010441

- sign 134622.378+/-0.063 χ^2/NDF: 1020650950.8/

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 259.437+/-0.055 χ^2/NDF:2102560.0/15

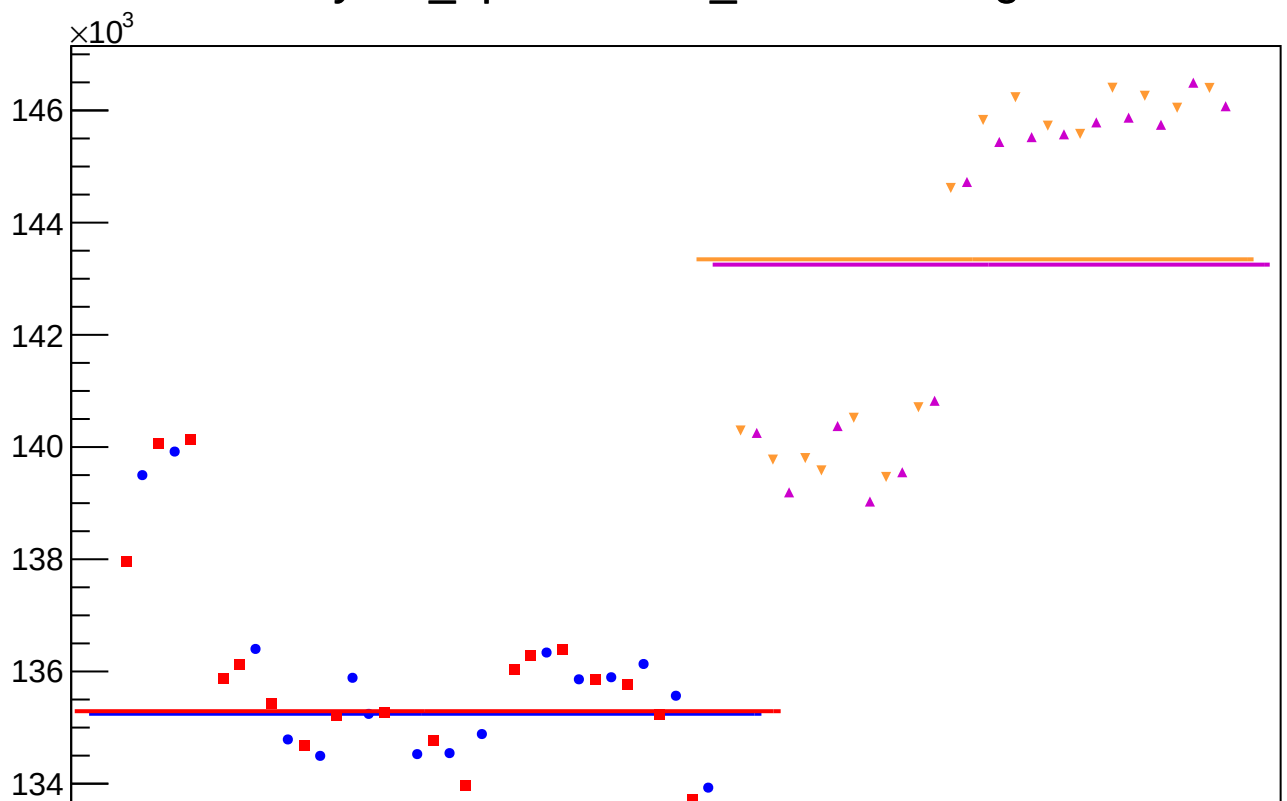
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 264.785+/-0.056 χ^2/NDF:1664597.8/14

+ sign 270.231+/-0.046 χ^2/NDF: 3675041.9/31

All: 267.826+/-0.032 χ^2/NDF: 7023603.6/65

- sign 265.523+/-0.045 χ^2/NDF: 3343164.3/33



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143346.132+/-0.056 χ^2/NDF:2743649474.9/15

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

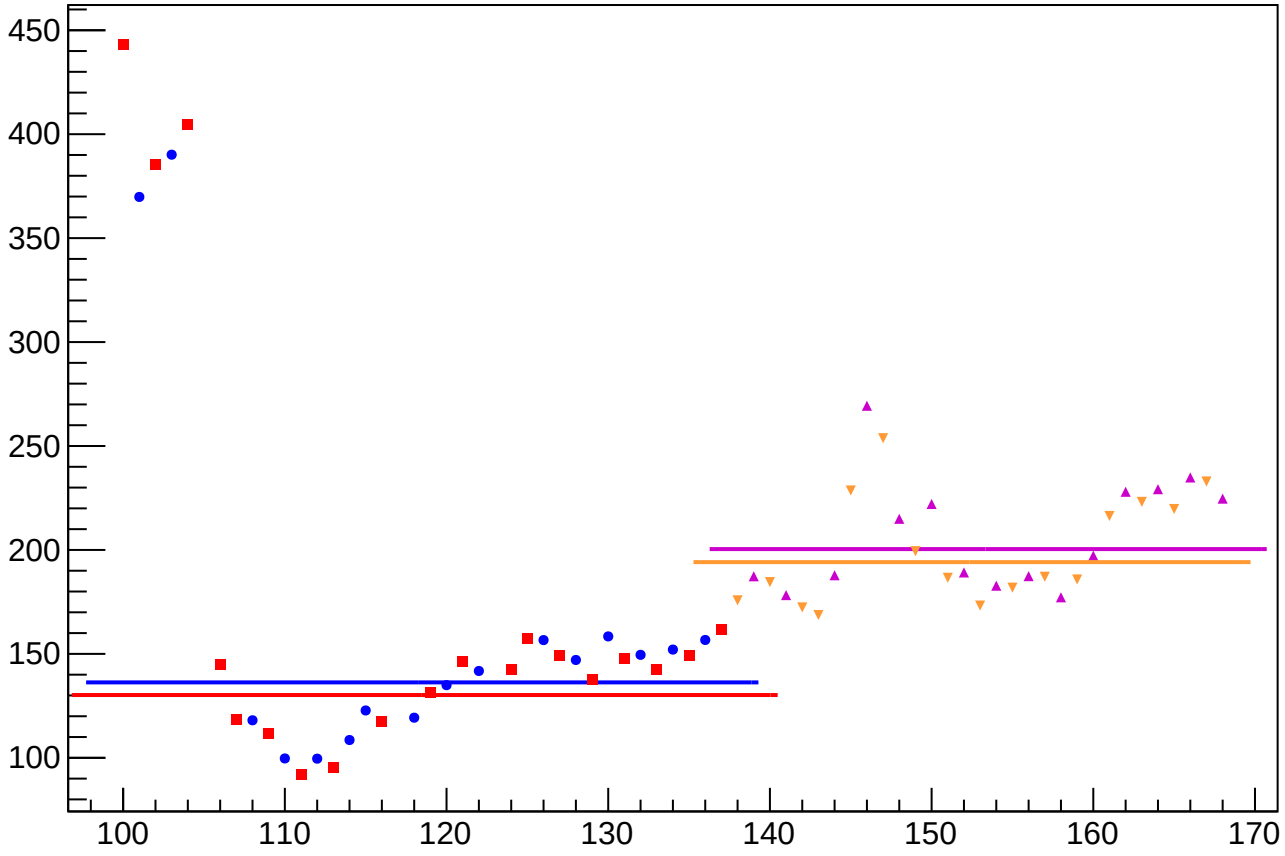
Left In: 143251.497+/-0.058 χ^2/NDF:2419921788.8/14

+ sign 139221.726+/-0.039 χ^2/NDF: 13885389266.

All: 139019.812+/-0.027 χ^2/NDF: 27233611

- sign 138822.481+/-0.039 χ^2/NDF: 13295352663.

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 194.141+/-0.039 χ^2/NDF:339346.9/15

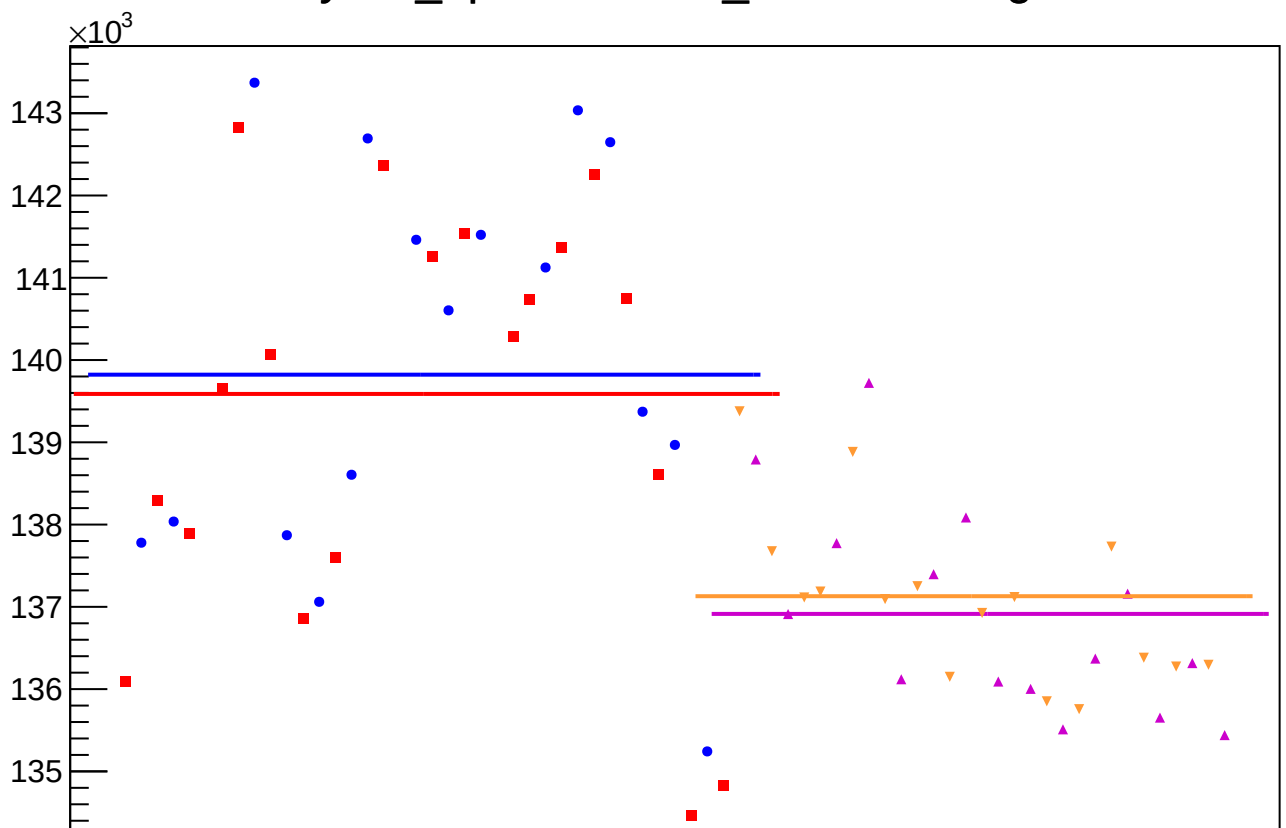
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 200.412+/-0.041 χ^2/NDF:323625.0/14

+ sign 164.681+/-0.028 χ^2/NDF: 2820677.8/31

All: 162.995+/-0.019 χ^2/NDF: 6305285.6/65

- sign 161.347+/-0.027 χ^2/NDF: 3477234.5/33



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137129.393+/-0.058 χ^2/NDF:315473029.3/15

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

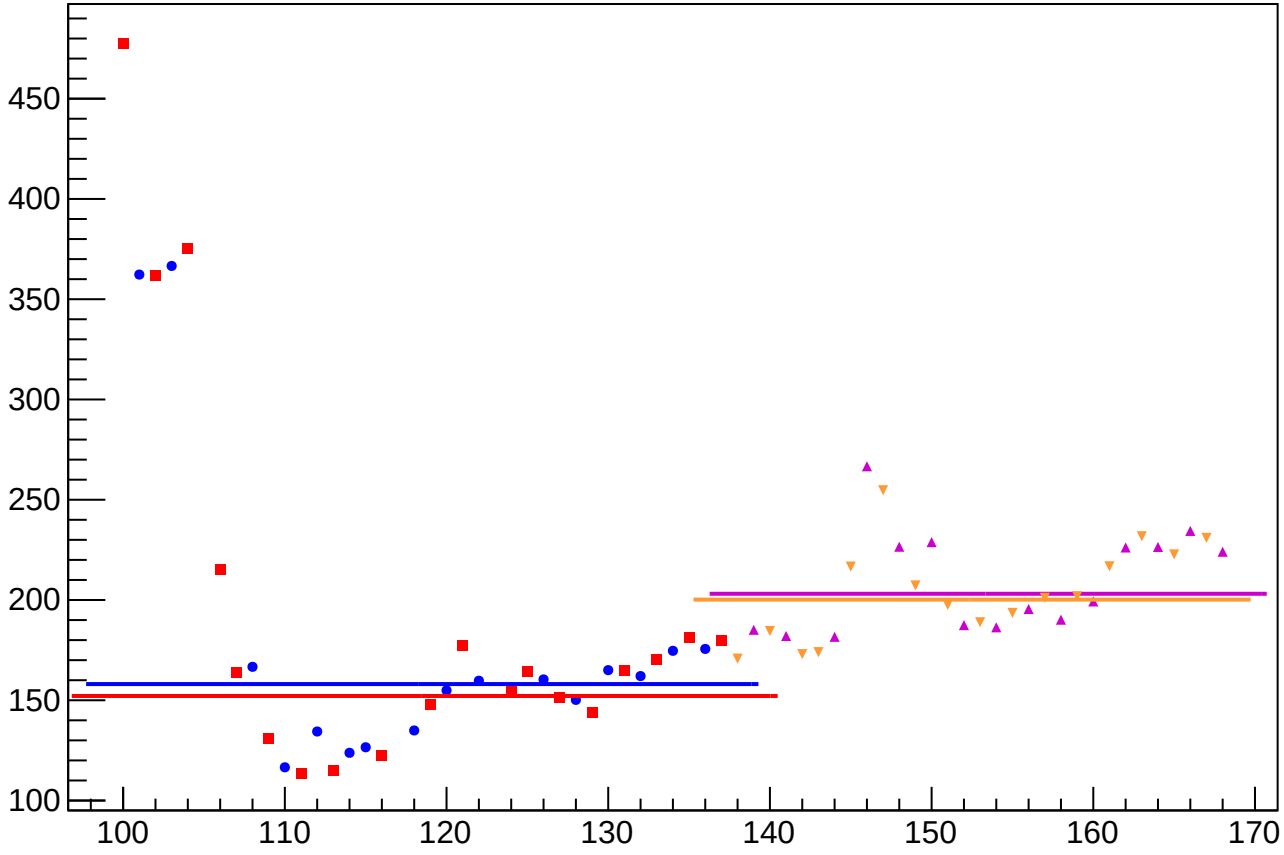
Left In: 136914.112+/-0.059 χ^2/NDF:394592706.6/14

+ sign 138362.877+/-0.042 χ^2/NDF: 2981821598.9

All: 138295.992+/-0.030 χ^2/NDF: 58816538

- sign 138230.535+/-0.042 χ^2/NDF: 2894899887.0/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 200.203+/-0.041 χ^2/NDF:286927.9/15

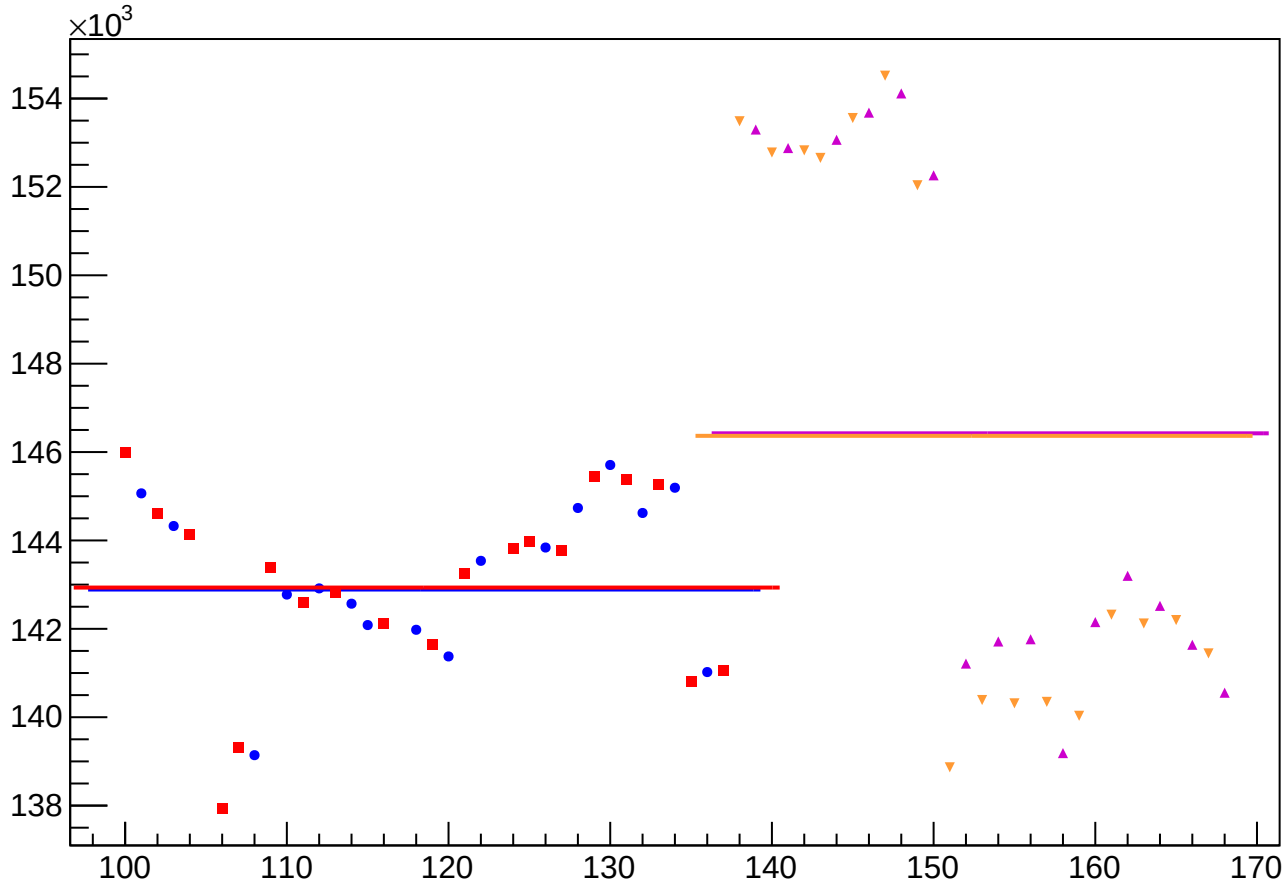
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 203.107+/-0.042 χ^2/NDF:301637.6/14

+ sign 180.907+/-0.030 χ^2/NDF: 1795743.6/31

All: 179.444+/-0.021 χ^2/NDF: 4070521.1/65

- sign 178.013+/-0.030 χ^2/NDF: 2270060.6/33



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 146367.254+/-0.058 χ^2/NDF:11319890871.8/15

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

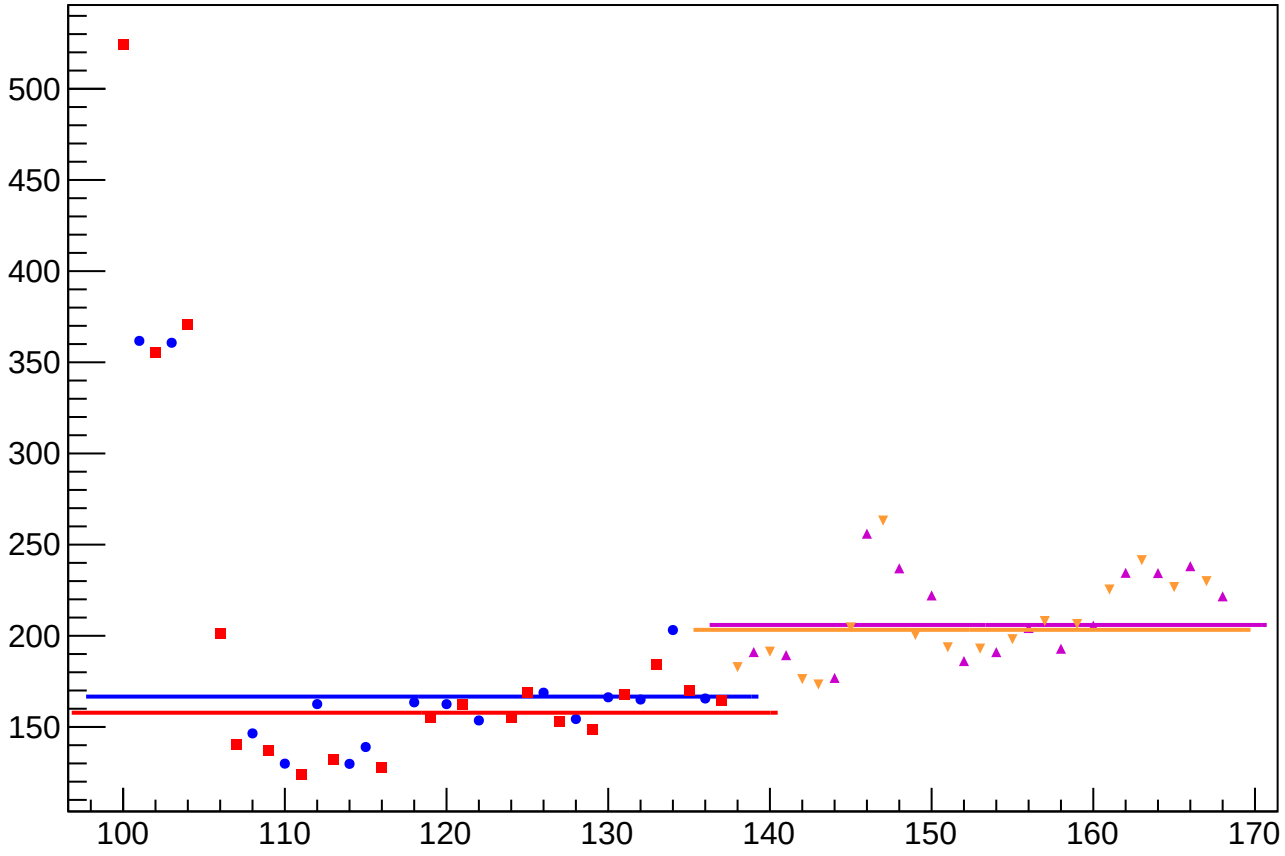
Left In: 146424.056+/-0.060 χ^2/NDF:9775027483.1/14

+ sign 144832.466+/-0.044 χ^2/NDF: 13649493332.

All: 144783.135+/-0.031 χ^2/NDF: 25875069

- sign 144735.672+/-0.043 χ^2/NDF: 12223067767.

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 203.275+/-0.041 χ^2/NDF:279007.5/15

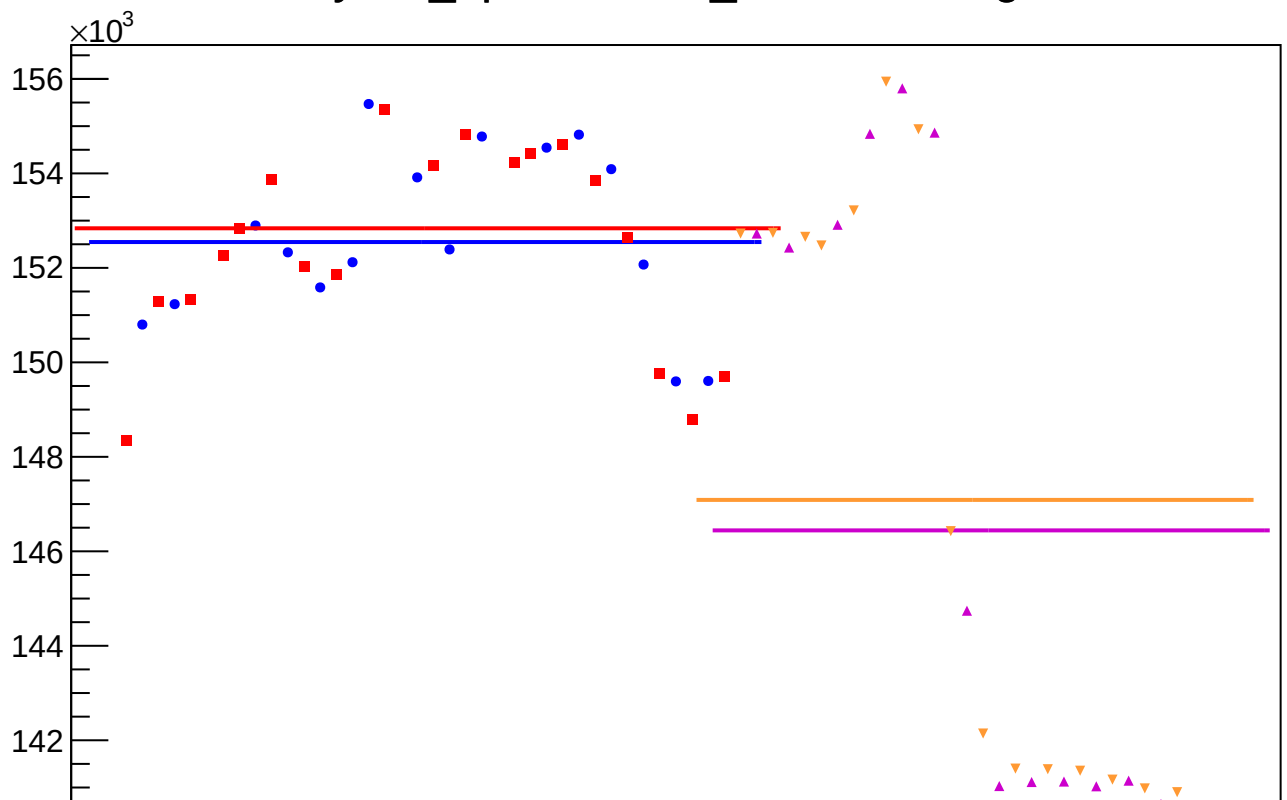
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 205.952+/-0.042 χ^2/NDF:282051.1/14

+ sign 187.115+/-0.031 χ^2/NDF: 1489864.4/31

All: 184.846+/-0.022 χ^2/NDF: 3436803.5/65

- sign 182.662+/-0.030 χ^2/NDF: 1936324.5/33



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147088.231+/-0.058 χ^2/NDF:10131633182.9/15

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

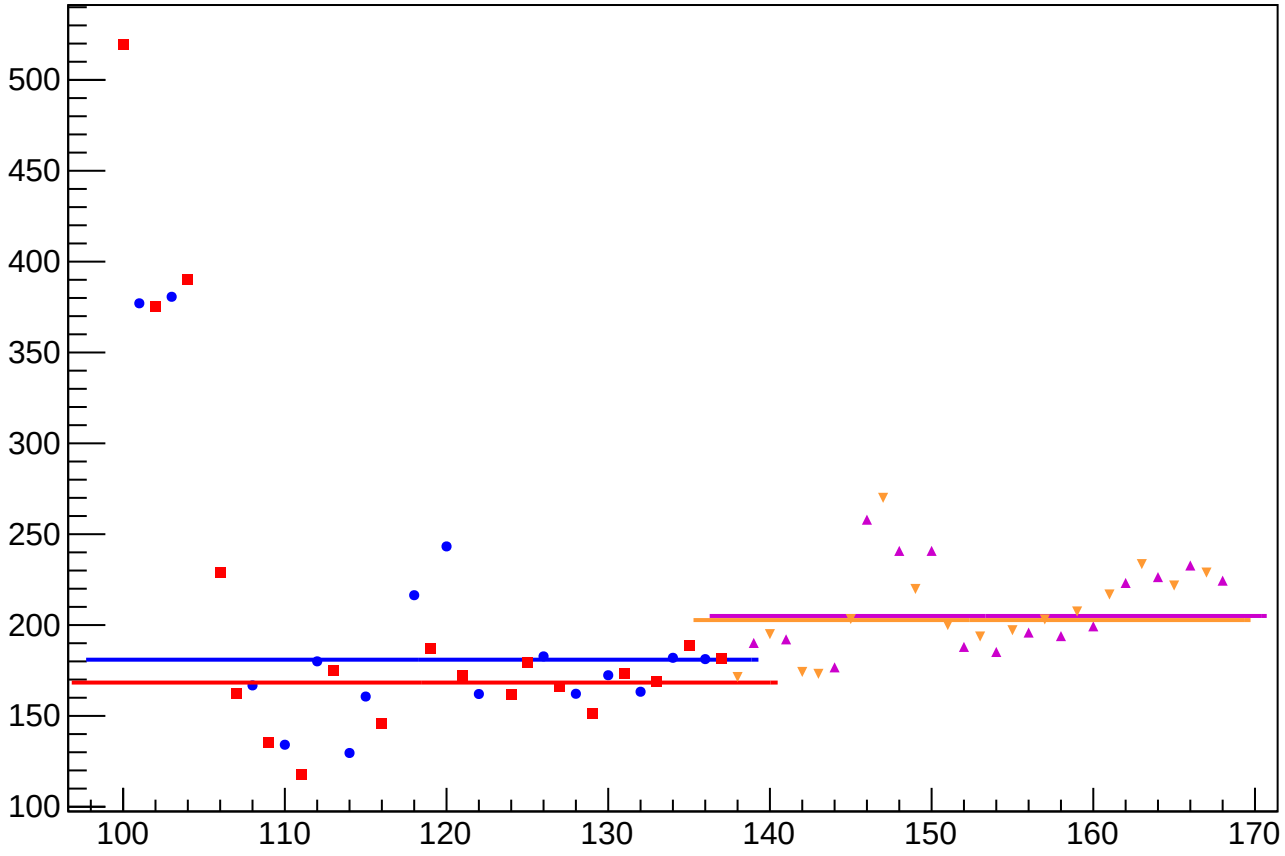
Left In: 146442.935+/-0.059 χ^2/NDF:10656843016.5/14

+ sign 149214.903+/-0.045 χ^2/NDF: 14235507390.

All: 149237.539+/-0.032 χ^2/NDF: 30780162

- sign 149259.102+/-0.044 χ^2/NDF: 16544168539.

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 202.738+/-0.041 χ^2/NDF:305692.3/15

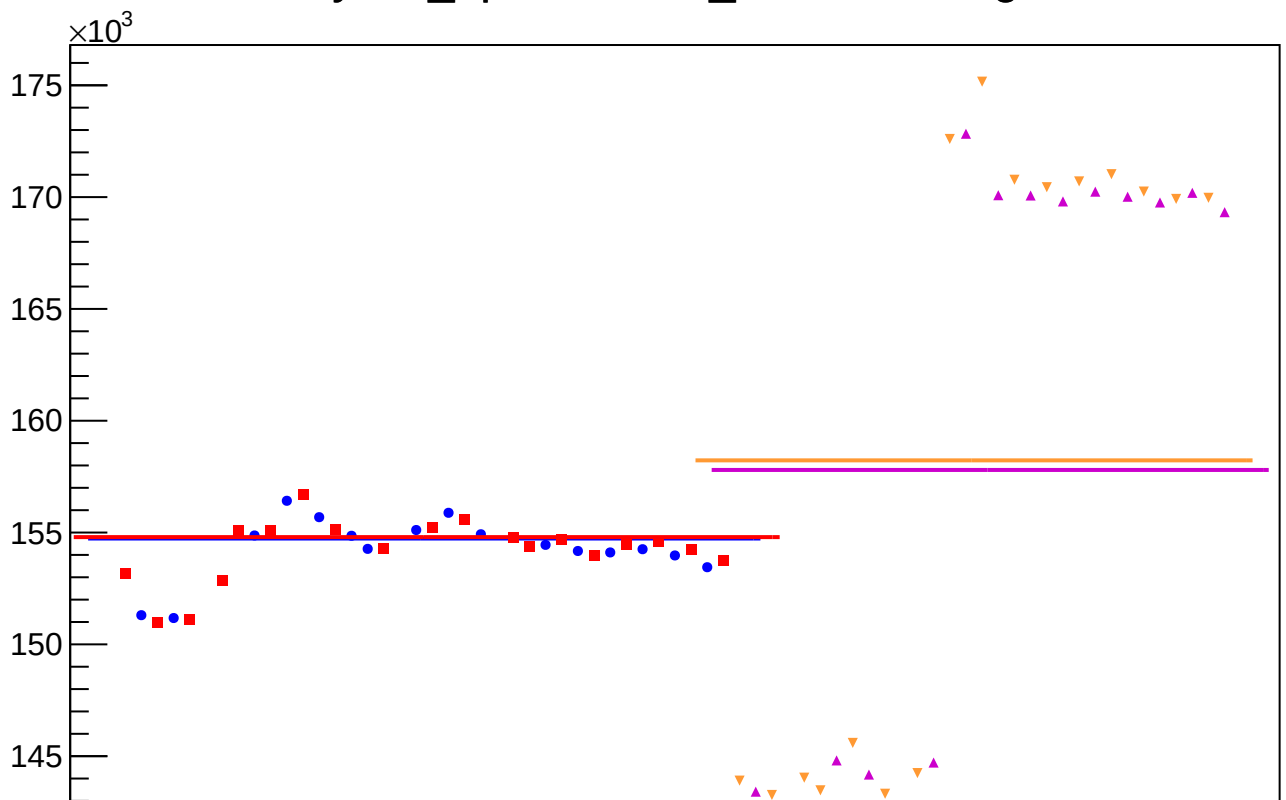
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 205.003+/-0.042 χ^2/NDF:306426.0/14

+ sign 194.245+/-0.032 χ^2/NDF: 1323472.2/31

All: 191.488+/-0.022 χ^2/NDF: 3071847.4/65

- sign 188.862+/-0.031 χ^2/NDF: 1733926.5/33



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 158228.010+/-0.054 χ^2/NDF:65306960670.0/15

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

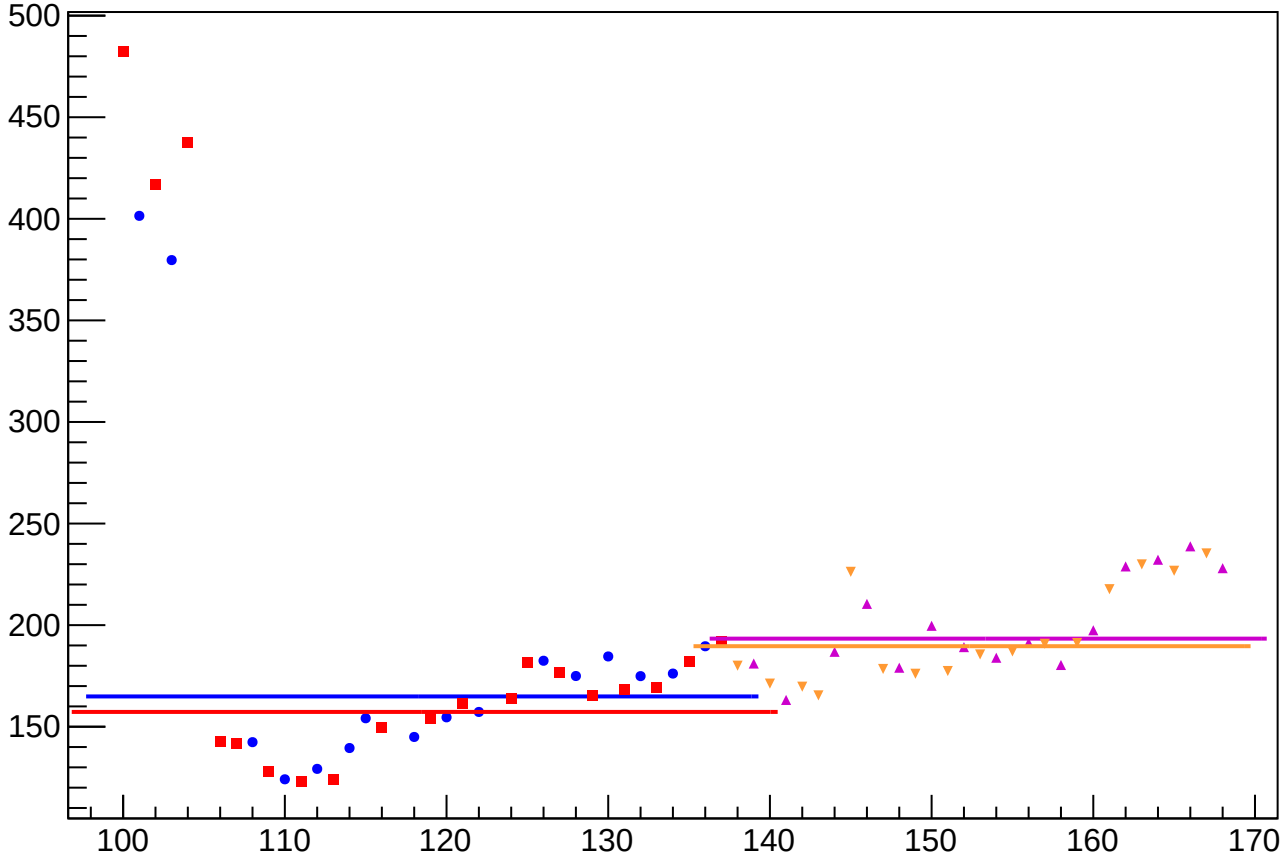
Left In: 157799.253+/-0.056 χ^2/NDF:58164364081.1/14

+ sign 156801.391+/-0.042 χ^2/NDF: 67282007978.

All: 156617.686+/-0.029 χ^2/NDF: 12711215

- sign 156438.850+/-0.041 χ^2/NDF: 59791762145.7

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 189.634+/-0.038 χ^2/NDF:308218.0/15

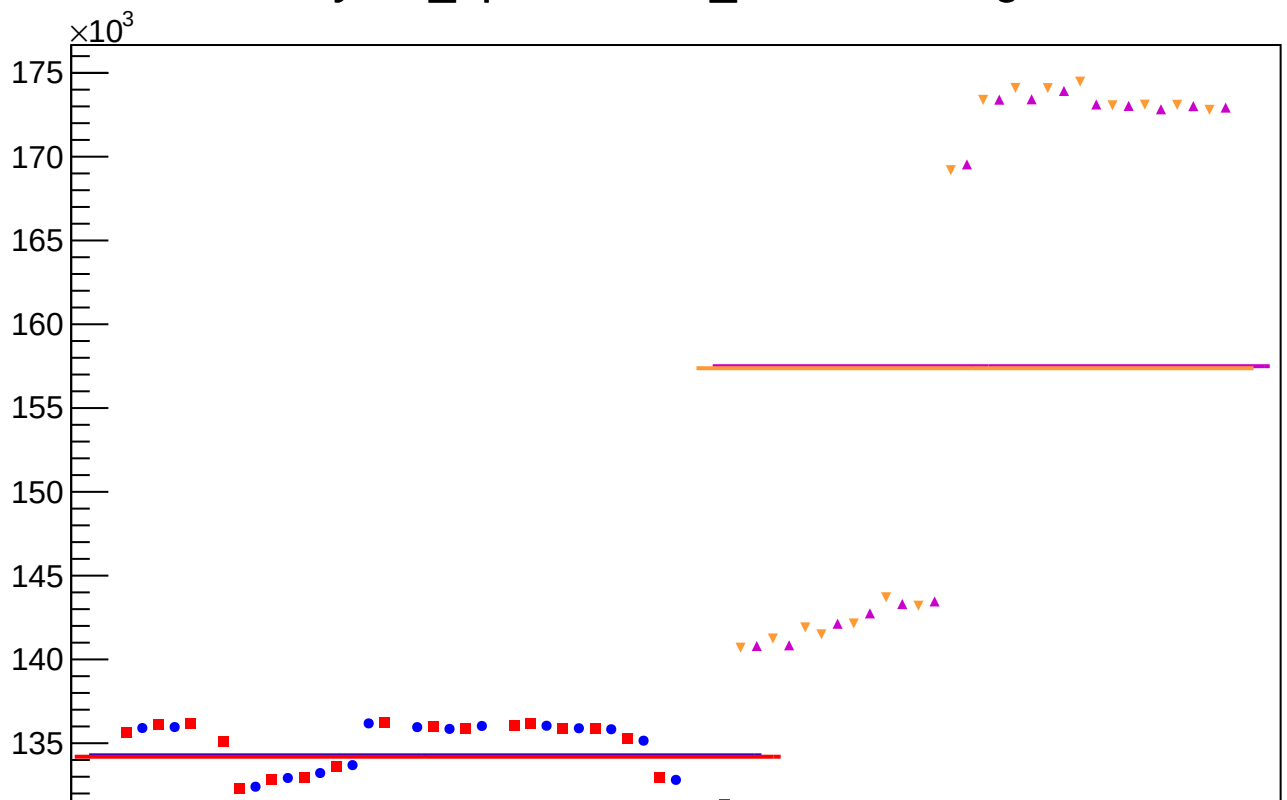
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 193.357+/-0.039 χ^2/NDF:262025.0/14

+ sign 179.540+/-0.029 χ^2/NDF: 1551219.4/31

All: 178.261+/-0.021 χ^2/NDF: 3453601.1/65

- sign 177.017+/-0.029 χ^2/NDF: 1898662.1/33



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 157376.613+/-0.055 χ^2/NDF:80325733041.3/15

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

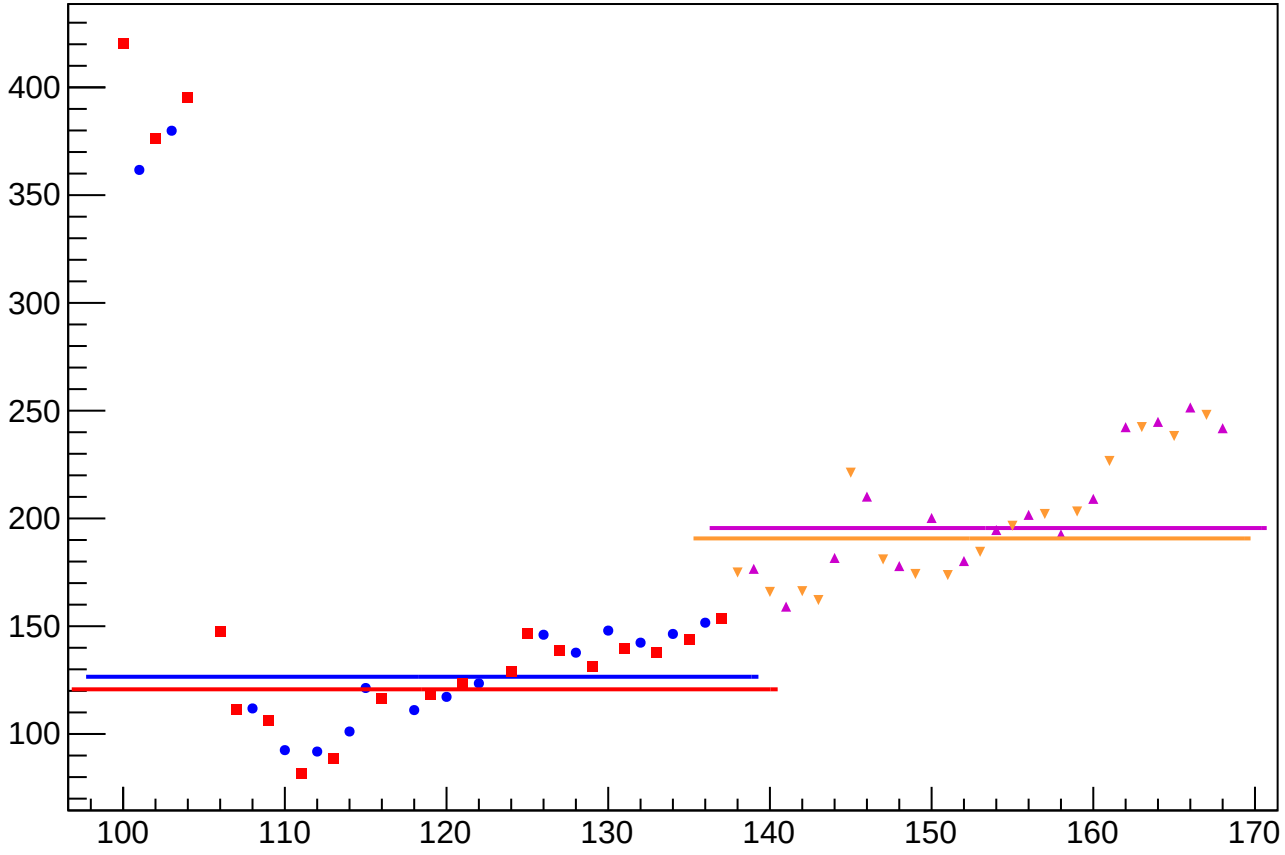
Left In: 157498.144+/-0.056 χ^2/NDF:74070691026.0/14

+ sign 144991.570+/-0.037 χ^2/NDF: 17729224916

All: 144475.028+/-0.026 χ^2/NDF: 3519862

- sign 143976.958+/-0.037 χ^2/NDF: 17431558227

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 190.730+/-0.039 χ^2/NDF:448981.1/15

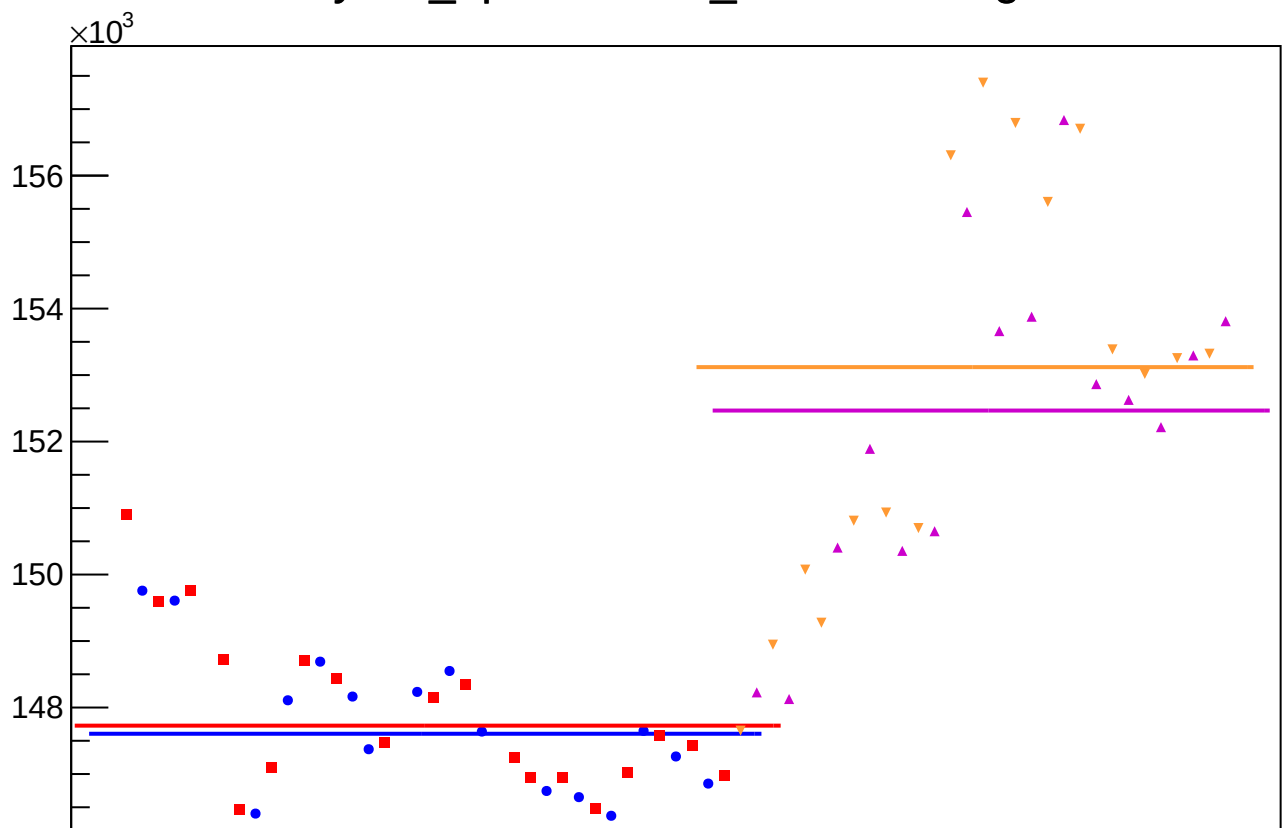
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 195.545+/-0.040 χ^2/NDF:395567.9/14

+ sign 156.321+/-0.026 χ^2/NDF: 3405693.6/31

All: 154.188+/-0.018 χ^2/NDF: 7489014.4/65

- sign 152.131+/-0.026 χ^2/NDF: 4070410.0/33



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153119.637+/-0.059 χ^2/NDF:2909100401.6/15

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

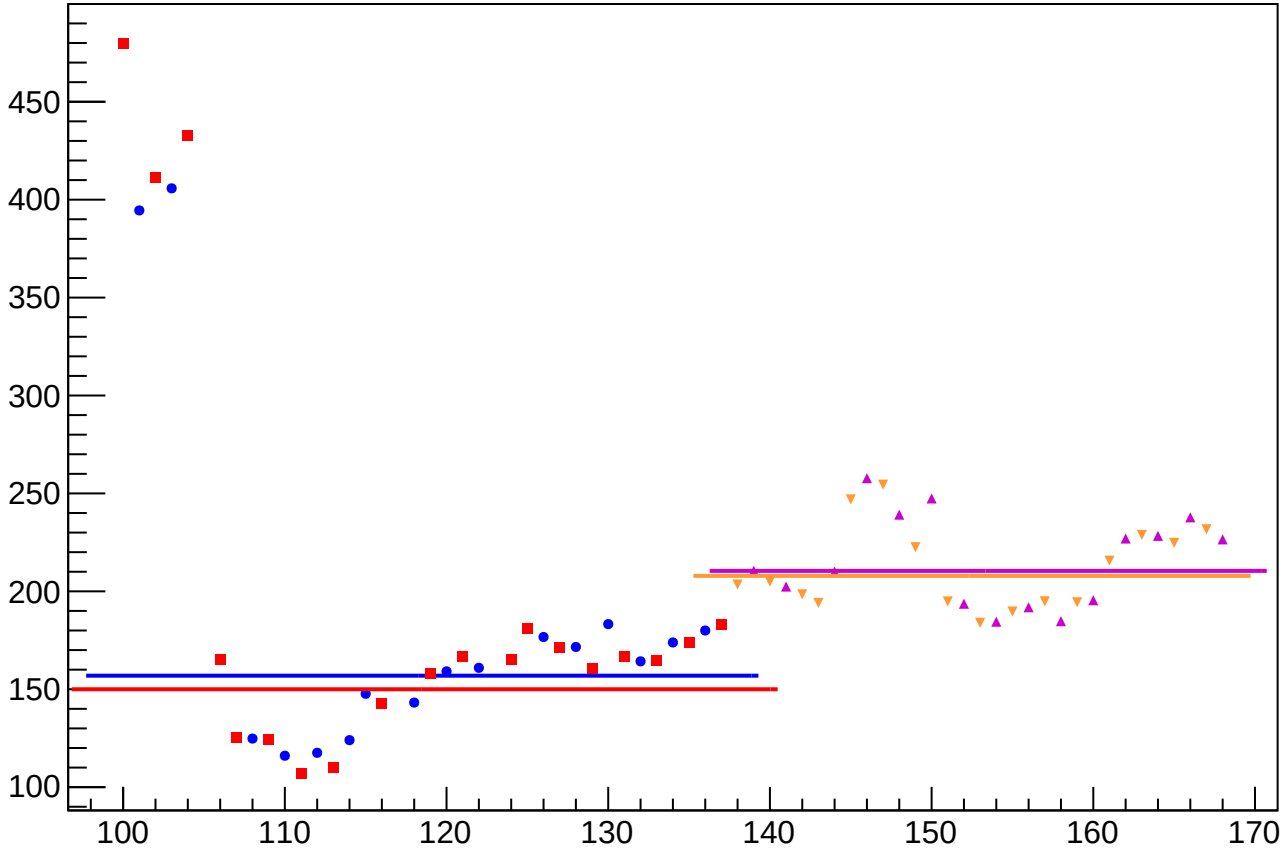
Left In: 152466.628+/-0.061 χ^2/NDF:1751243006.4/14

+ sign 150505.782+/-0.043 χ^2/NDF: 7206878000.1

All: 150265.286+/-0.030 χ^2/NDF: 12360781

- sign 150033.506+/-0.042 χ^2/NDF: 5092514707.7/

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 207.903+/-0.042 χ^2/NDF:218273.2/15

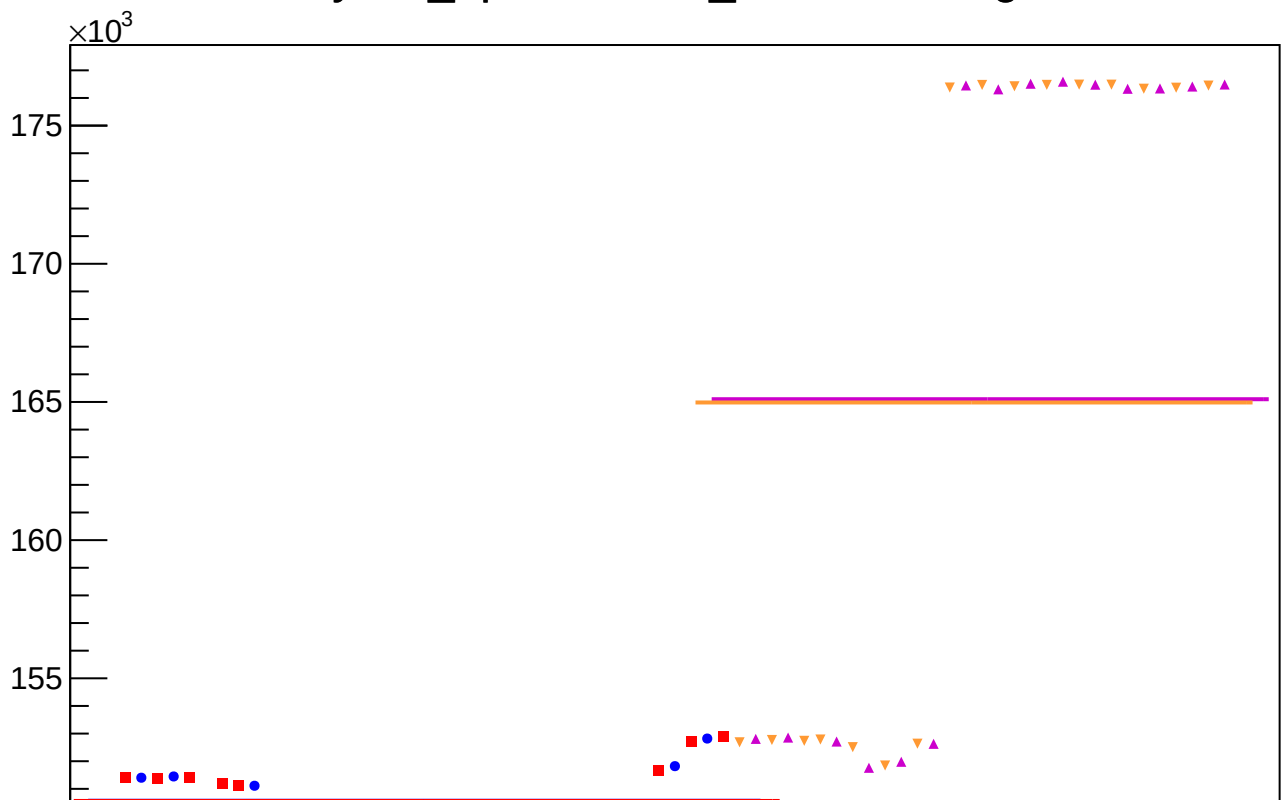
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 210.446+/-0.043 χ^2/NDF:270281.9/14

+ sign 183.738+/-0.030 χ^2/NDF: 2184383.8/31

All: 181.533+/-0.021 χ^2/NDF: 4942891.1/65

- sign 179.408+/-0.030 χ^2/NDF: 2748186.9/33



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 164981.361+/-0.053 χ^2/NDF:50443129676.6/15

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

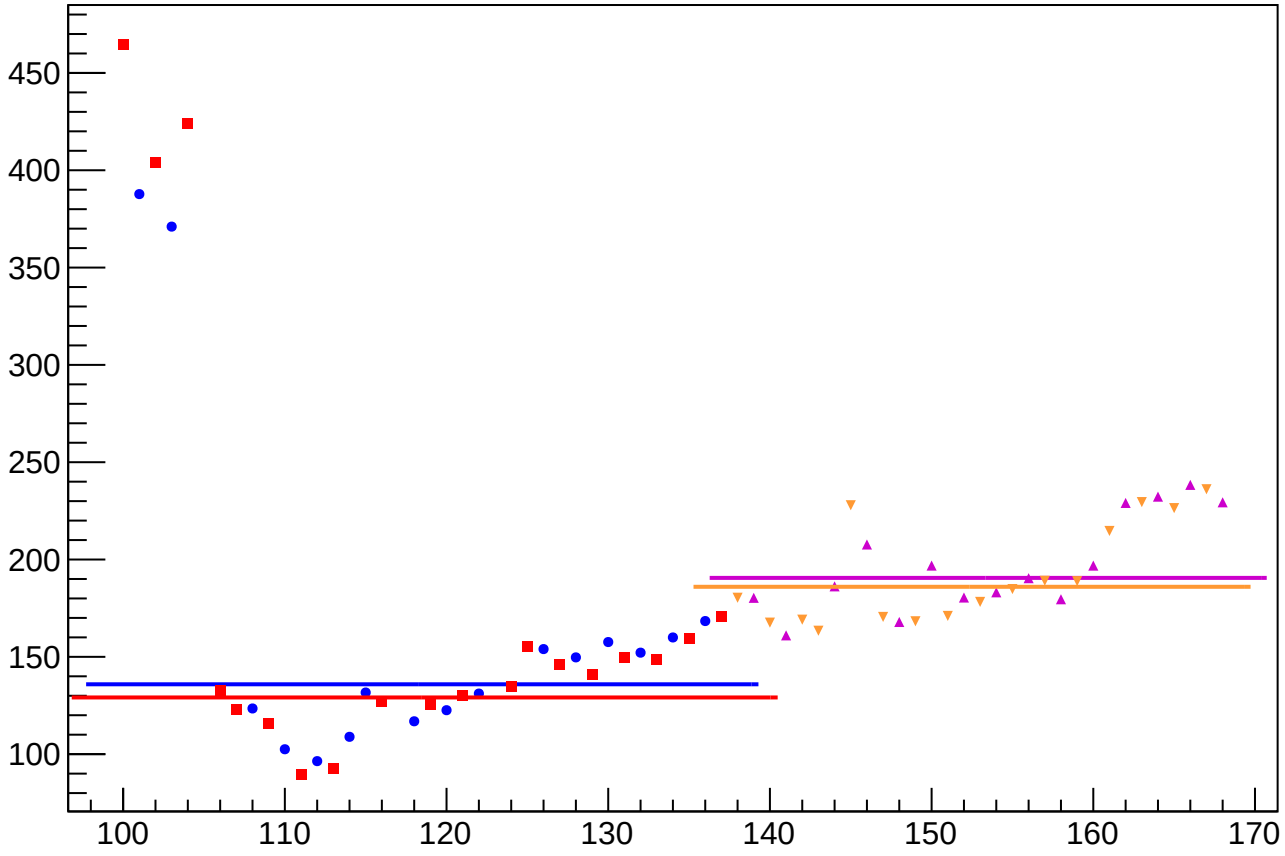
Left In: 165099.181+/-0.055 χ^2/NDF:47638048536.4/14

+ sign 157974.509+/-0.038 χ^2/NDF: 86470825729.

All: 157631.900+/-0.027 χ^2/NDF: 17216808

- sign 157302.505+/-0.037 χ^2/NDF: 85538467072.4

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 185.989+/-0.038 χ^2/NDF:364065.4/15

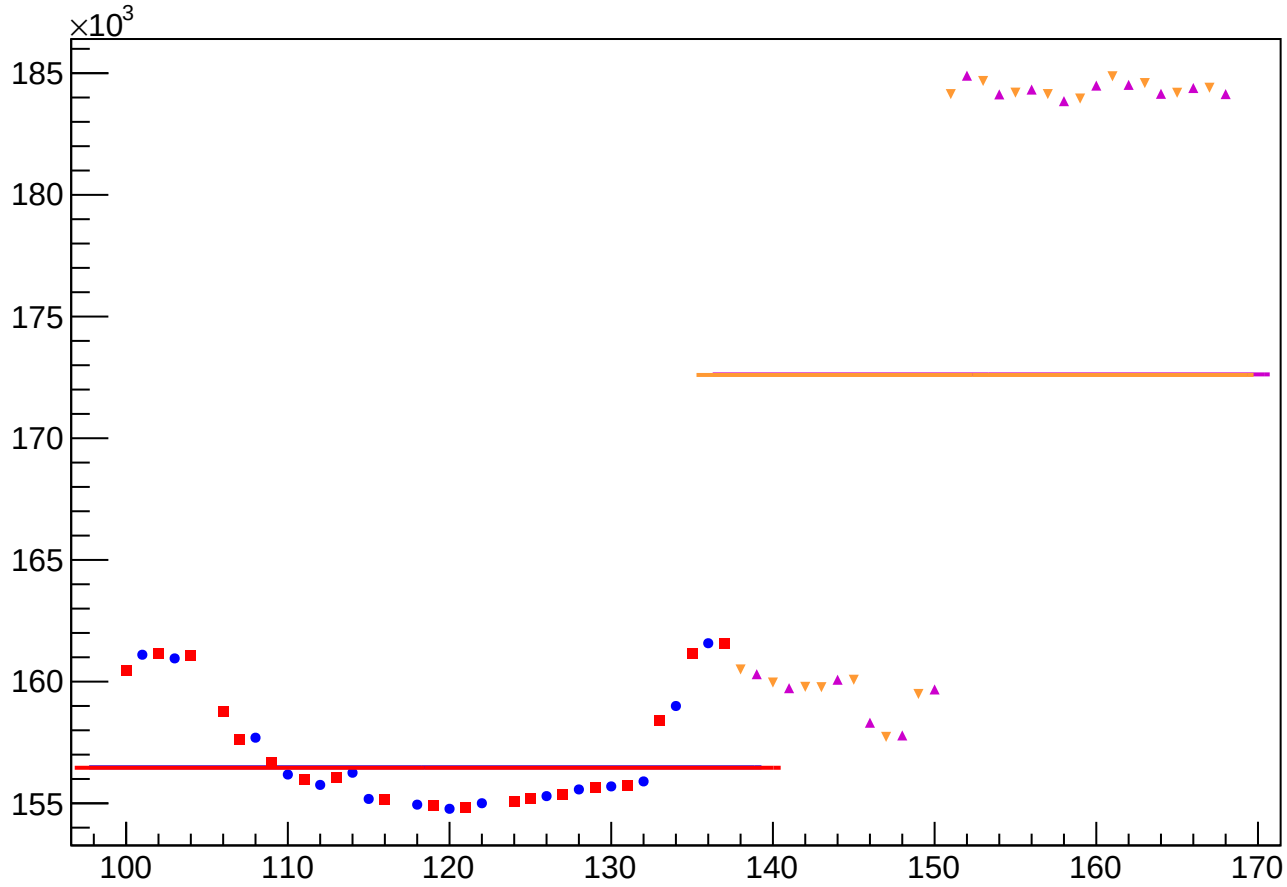
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 190.566+/-0.039 χ^2/NDF:304593.5/14

+ sign 161.636+/-0.027 χ^2/NDF: 2645079.5/31

All: 159.587+/-0.019 χ^2/NDF: 5922004.2/65

- sign 157.617+/-0.026 χ^2/NDF: 3265566.6/33



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 172600.778+/-0.055 χ^2/NDF:50836962896.3/15

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

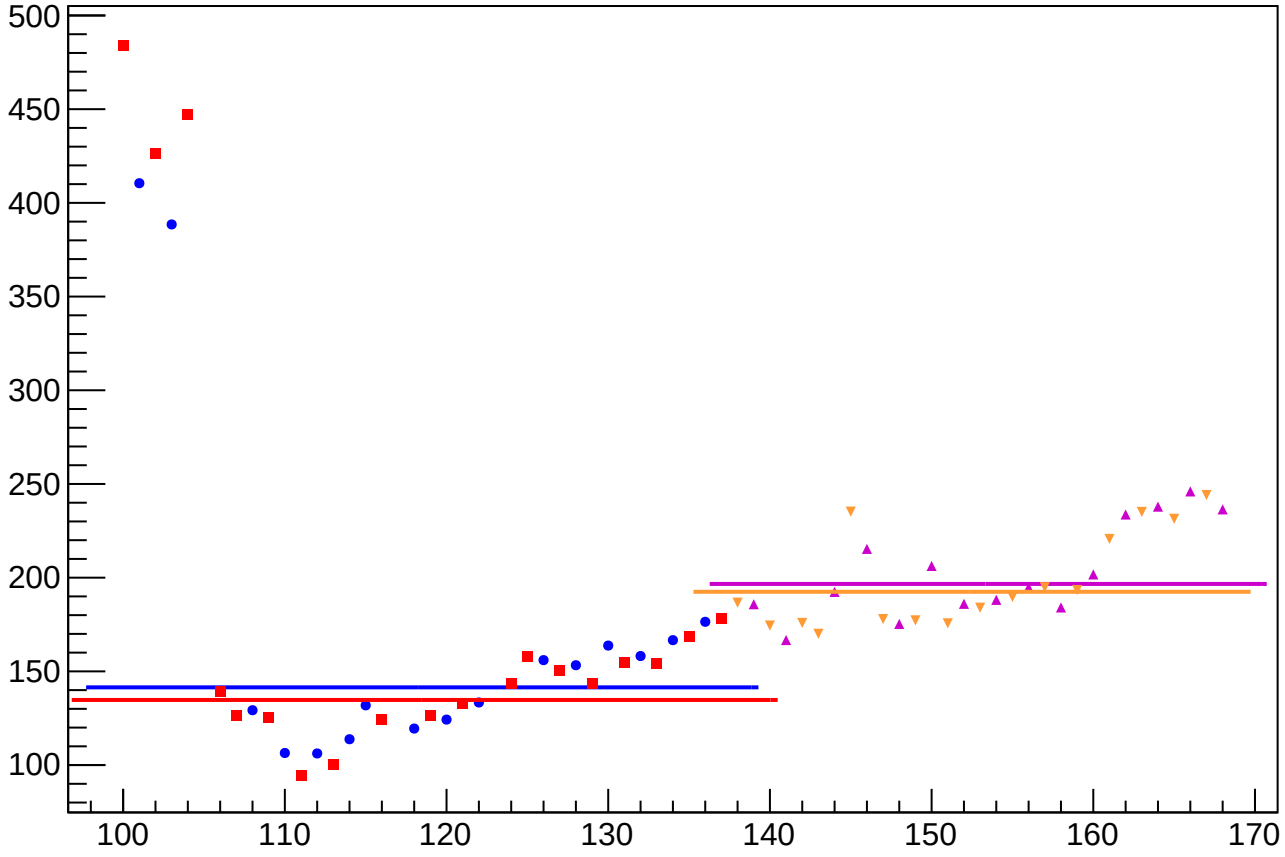
Left In: 172623.473+/-0.057 χ^2/NDF:48709436443.8/14

+ sign 164809.197+/-0.039 χ^2/NDF: 93737656114.

All: 164414.396+/-0.028 χ^2/NDF: 18711878

- sign 164034.821+/-0.039 χ^2/NDF: 93185144103.

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 192.466+/-0.039 χ^2/NDF:338489.9/15

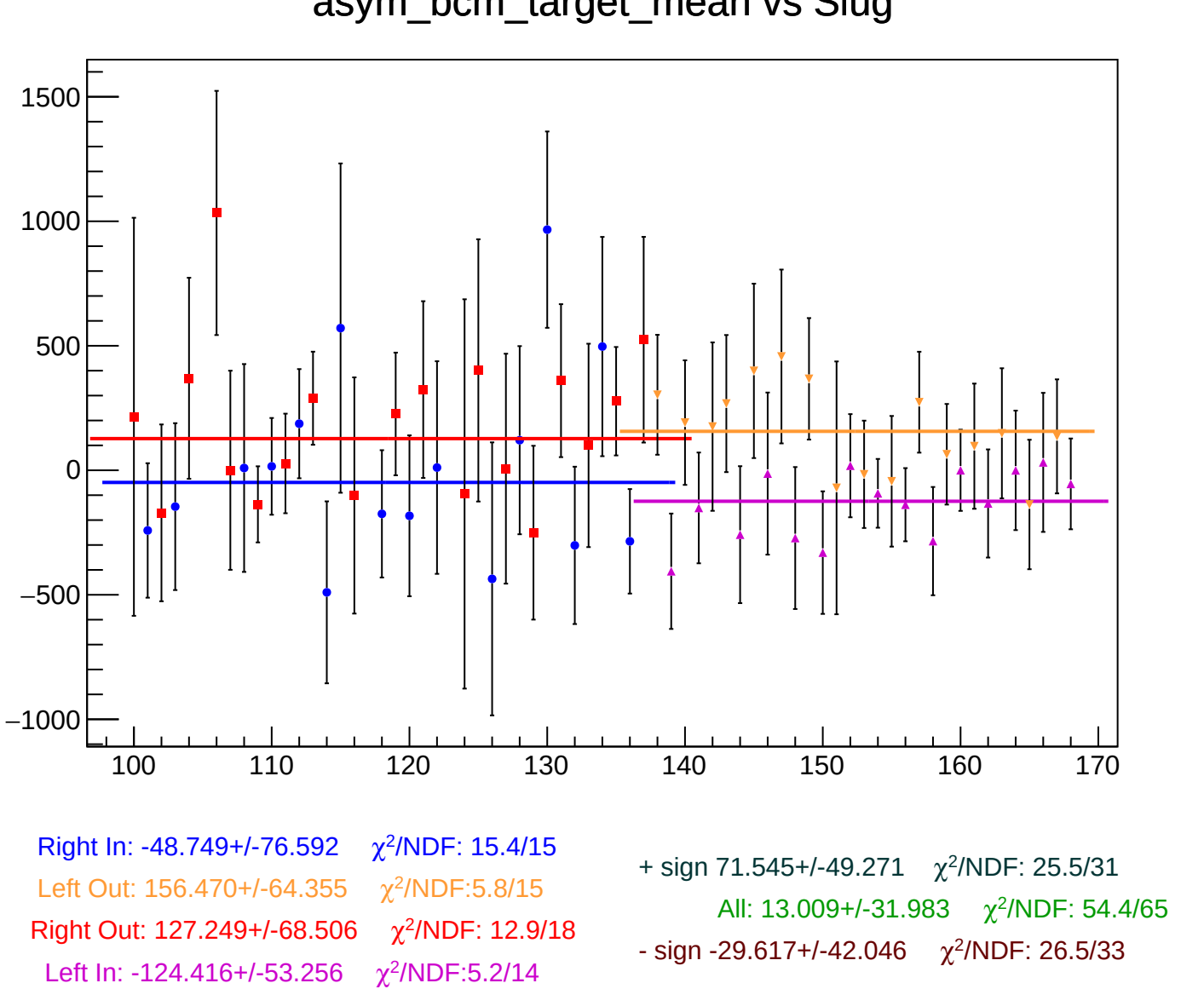
Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 196.659+/-0.040 χ^2/NDF:293747.3/14

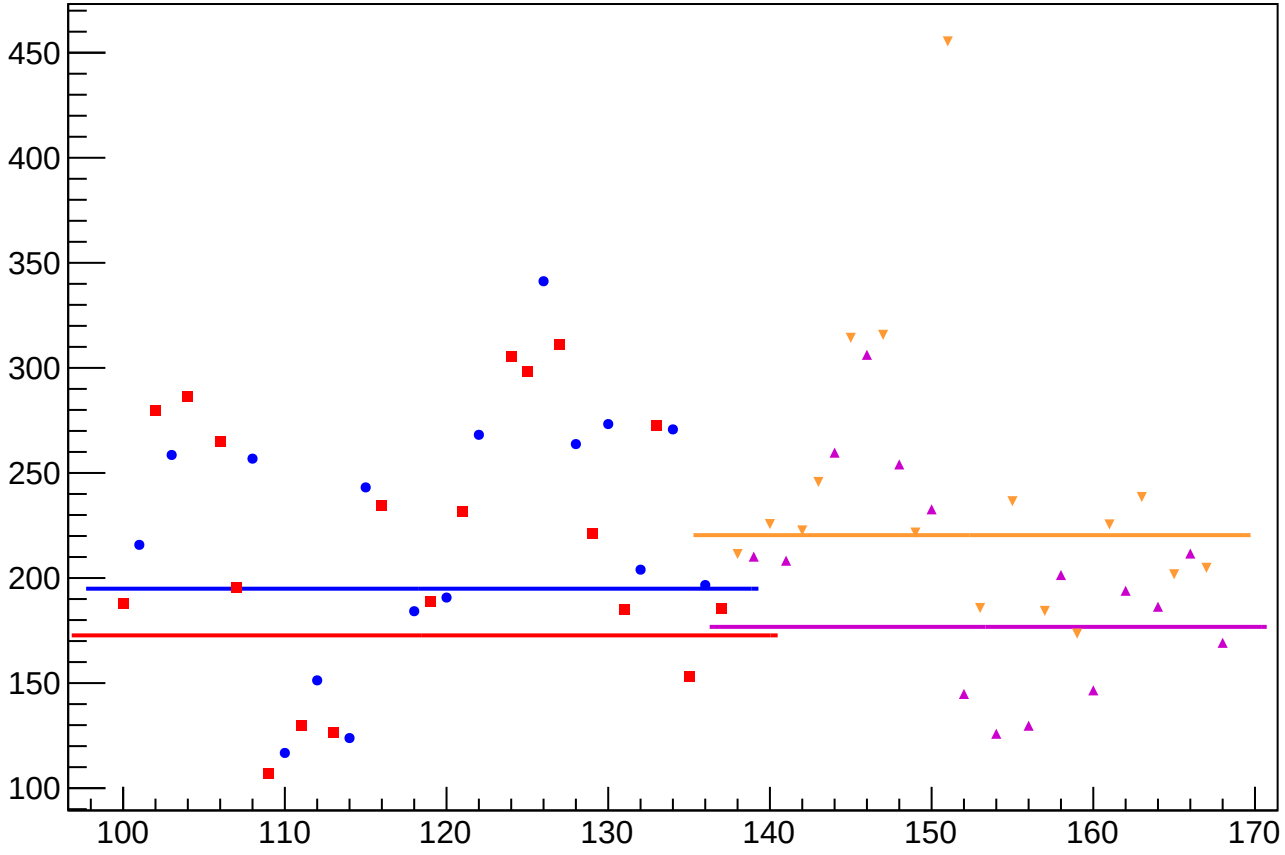
+ sign 167.821+/-0.028 χ^2/NDF: 2563055.1/31

All: 165.750+/-0.020 χ^2/NDF: 5719520.8/65

- sign 163.759+/-0.027 χ^2/NDF: 3145682.0/33


asym_bcm_target_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -48.749+/-76.592 χ²/NDF: 15.4/15
Left Out: 156.470+/-64.355 χ²/NDF:5.8/15
Right Out: 127.249+/-68.506 χ²/NDF: 12.9/18
Left In: -124.416+/-53.256 χ²/NDF:5.2/14
+ sign 71.545+/-49.271 χ²/NDF: 25.5/31
All: 13.009+/-31.983 χ²/NDF: 54.4/65
- sign -29.617+/-42.046 χ²/NDF: 26.5/33

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 220.401+/-0.046 χ^2/NDF:1002347.4/15

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

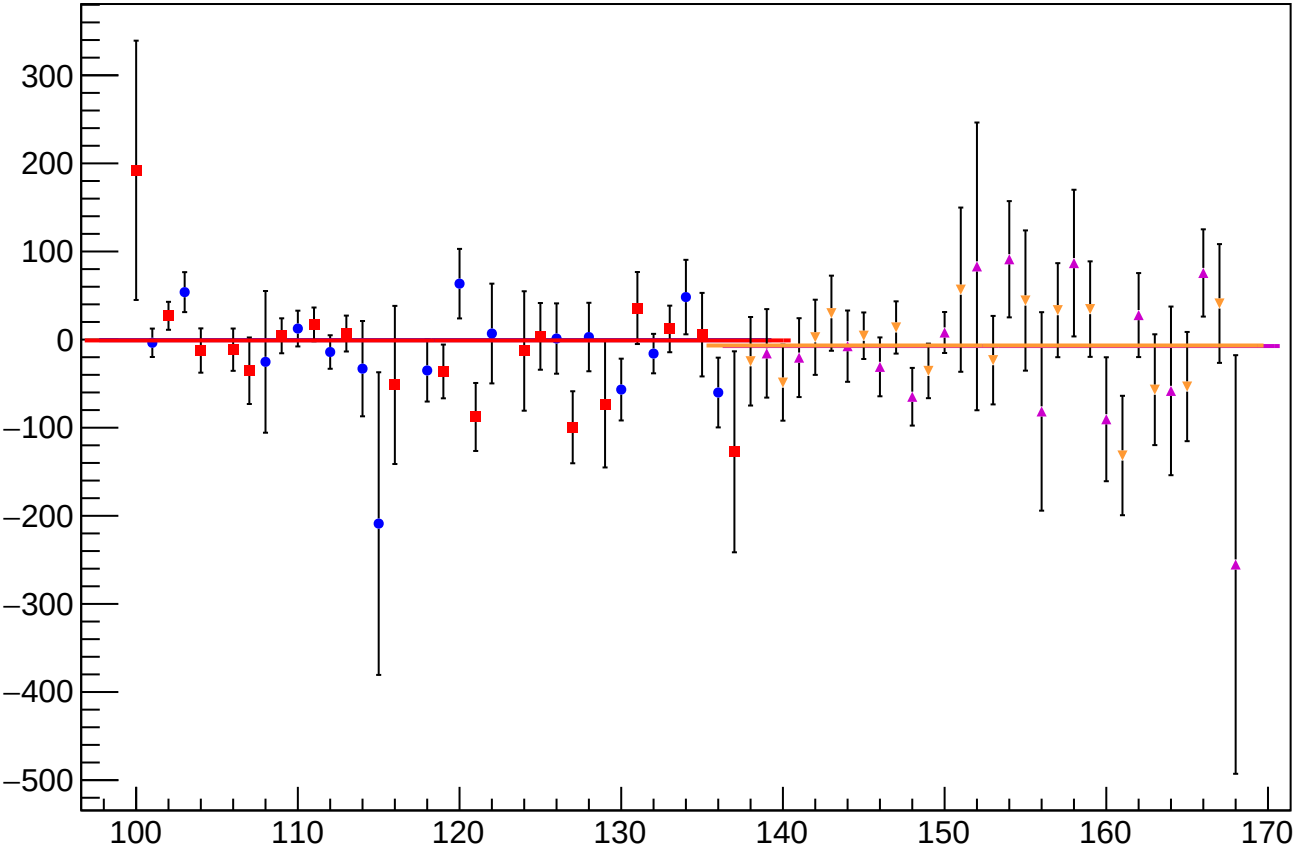
Left In: 176.758+/-0.038 χ^2/NDF:1498764.8/14

+ sign 209.857+/-0.035 χ^2/NDF: 2160972.8/31

All: 189.821+/-0.023 χ^2/NDF: 5867018.1/65

- sign 175.231+/-0.030 χ^2/NDF: 3134480.5/33

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -6.691+/-11.209 χ^2/NDF:10.6/15

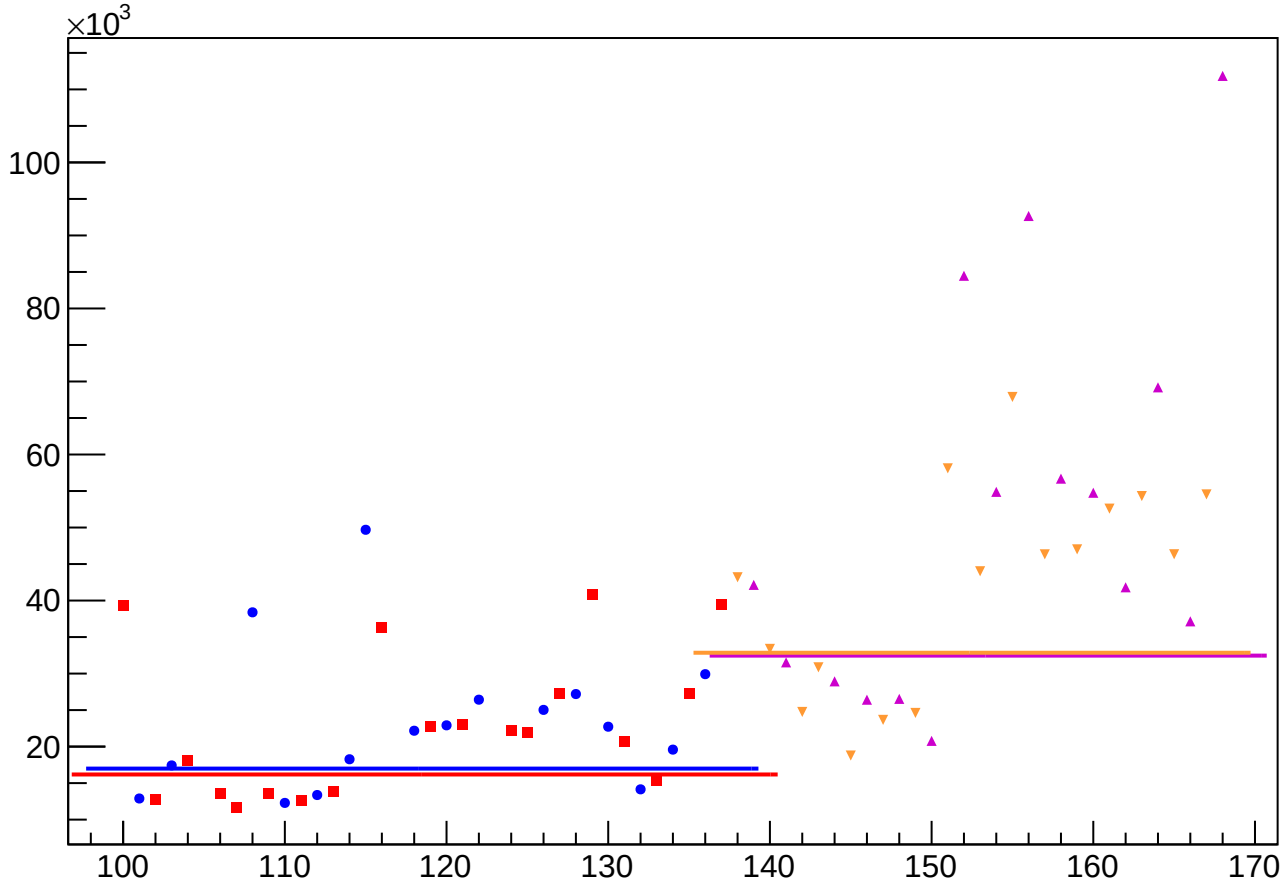
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: -7.324+/-12.080 χ^2/NDF:14.5/14

+ sign -2.445+/-6.141 χ^2/NDF: 29.7/31

All: -2.454+/-4.256 χ^2/NDF: 67.5/65

- sign -2.463+/-5.904 χ^2/NDF: 37.8/33



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 32853.124+/-7.926 χ^2/NDF:2664881.2/15

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

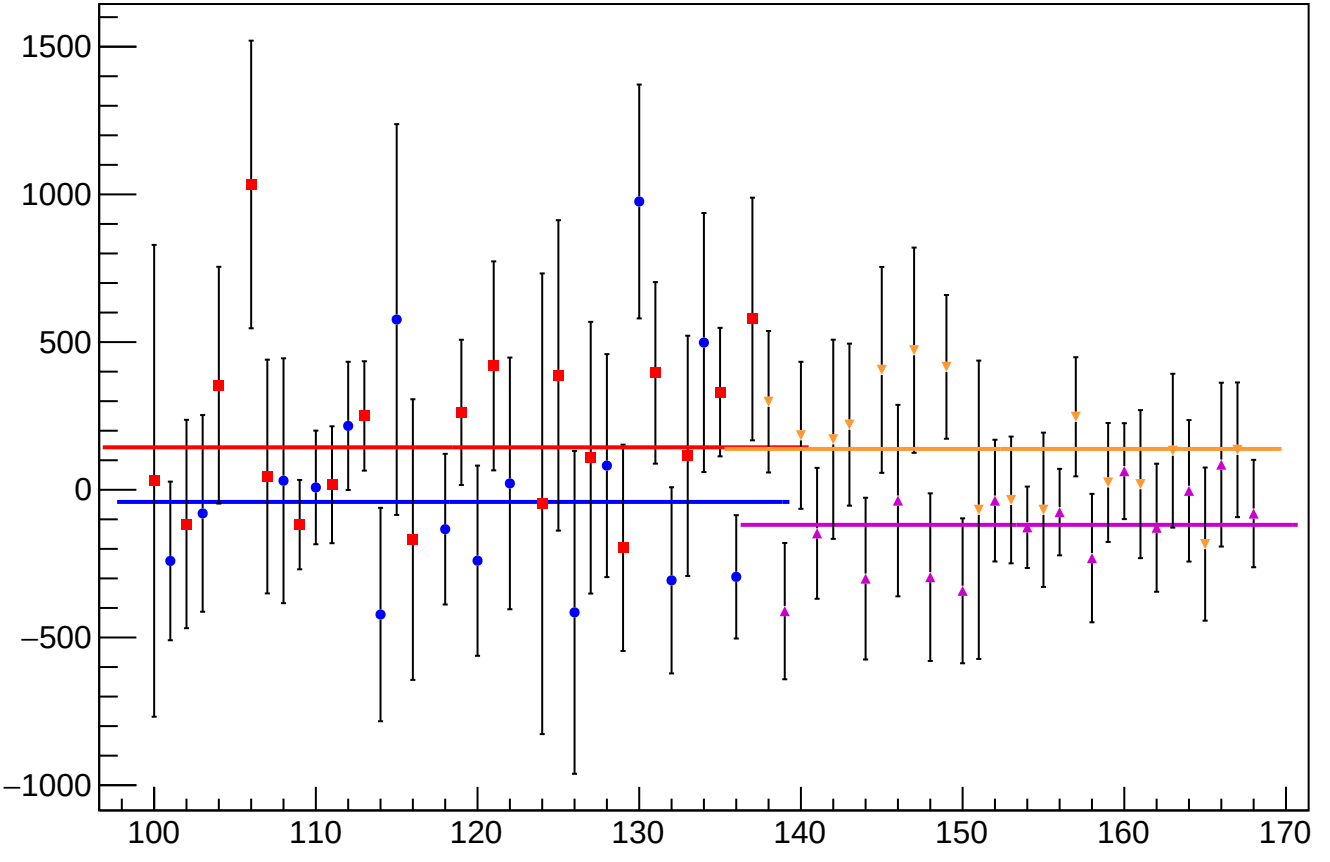
Left In: 32459.559+/-8.542 χ^2/NDF:2713867.0/14

+ sign 21748.166+/-4.342 χ^2/NDF: 6663505.0/31

All: 20875.916+/-3.009 χ^2/NDF: 13470435.9

- sign 20069.689+/-4.175 χ^2/NDF: 6729282.7/33

asym_bcm_an_ds_mean vs Slug



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 138.447+/-64.092 χ^2/NDF:7.2/15

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

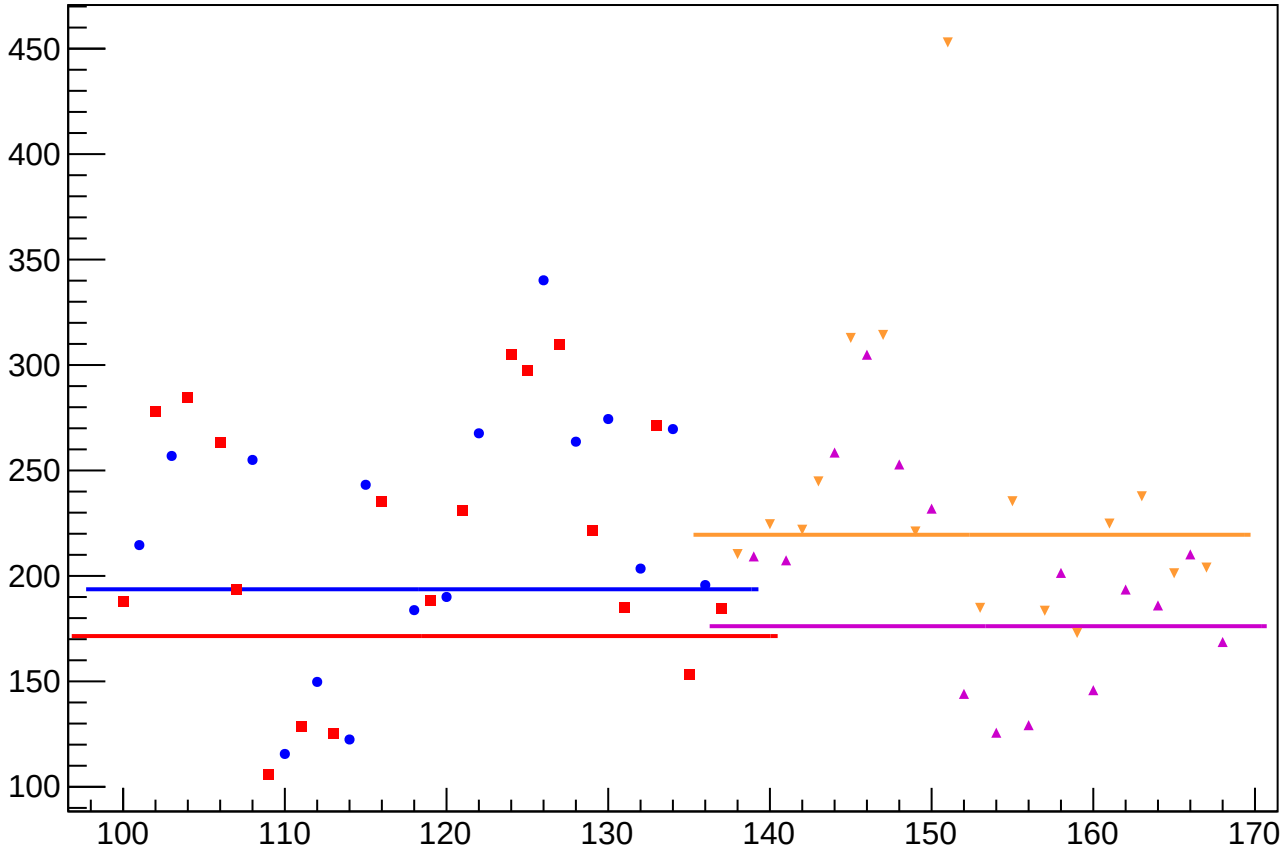
Left In: -118.643+/-53.072 χ^2/NDF:5.9/14

+ sign 64.027+/-49.037 χ^2/NDF: 25.9/31

All: 15.744+/-31.836 χ^2/NDF: 55.8/65

- sign -19.434+/-41.856 χ^2/NDF: 28.2/33

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 219.516+/-0.045 χ^2/NDF:1000888.6/15

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

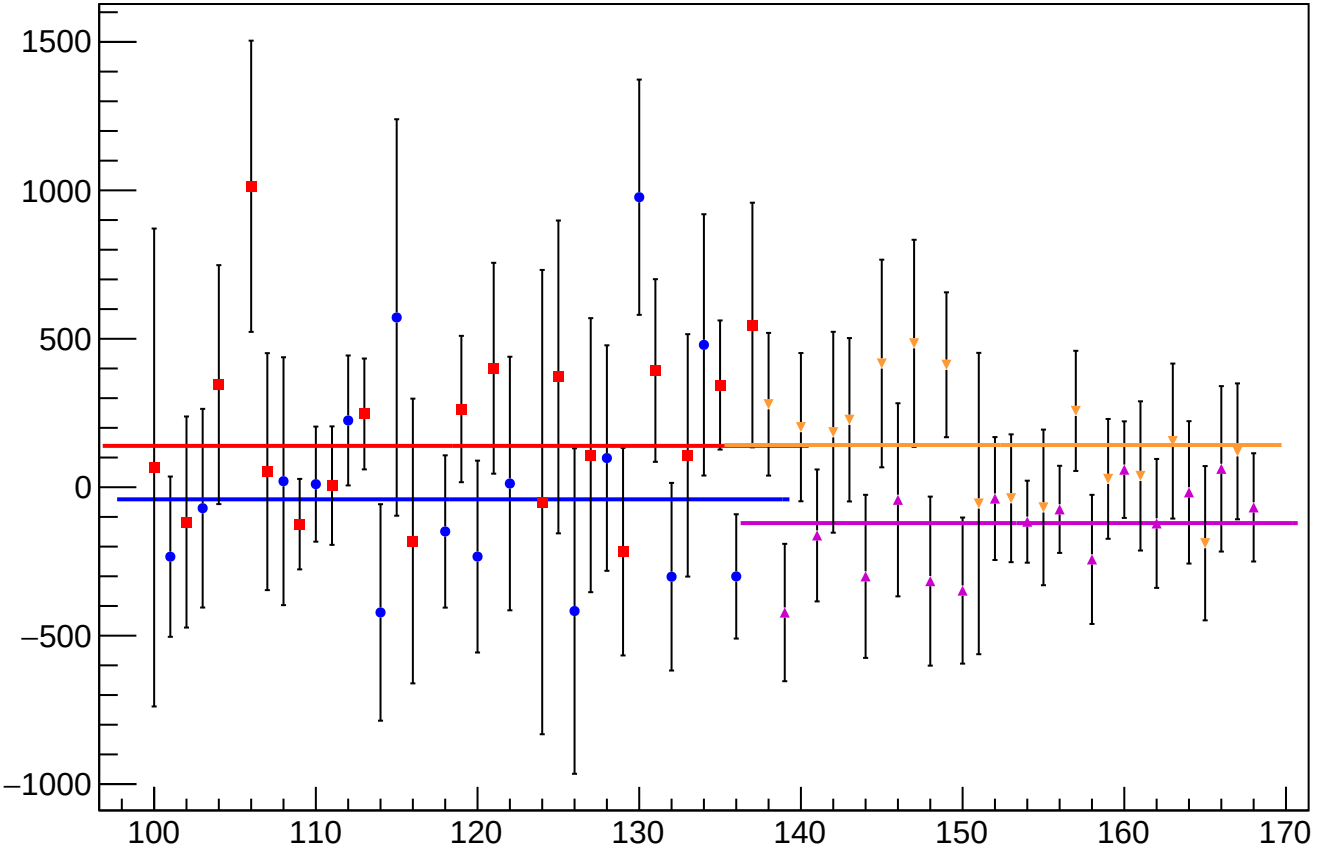
Left In: 176.165+/-0.038 χ^2/NDF:1495824.1/14

+ sign 208.800+/-0.035 χ^2/NDF: 2185505.5/31

All: 188.897+/-0.023 χ^2/NDF: 5909729.9/65

- sign 174.396+/-0.030 χ^2/NDF: 3154696.8/33

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 142.168+/-64.297 χ^2/NDF:7.2/15

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

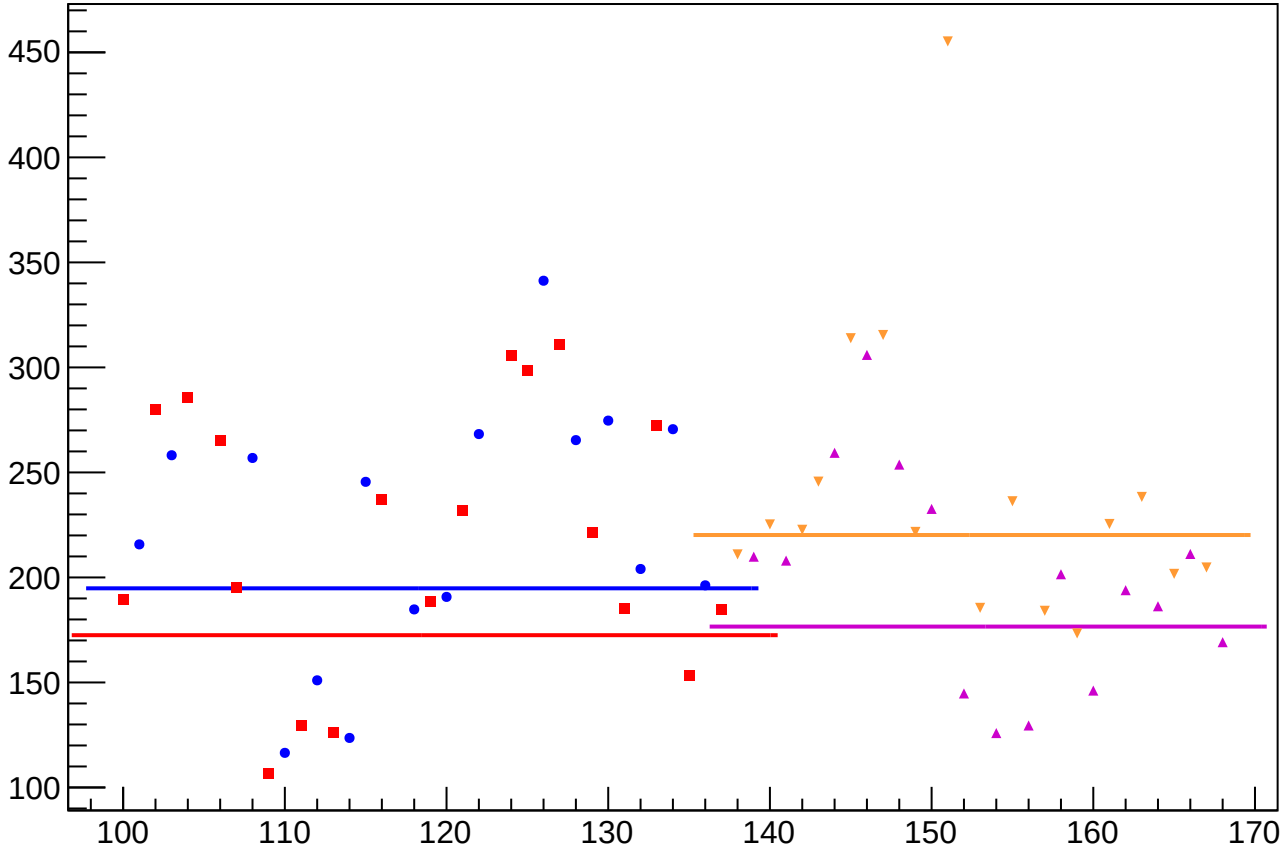
Left In: -120.824+/-53.210 χ^2/NDF:6.0/14

+ sign 66.517+/-49.242 χ^2/NDF: 26.0/31

All: 14.790+/-31.960 χ^2/NDF: 55.8/65

- sign -22.864+/-42.012 χ^2/NDF: 27.9/33

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 220.198+/-0.045 χ^2/NDF:1003129.8/15

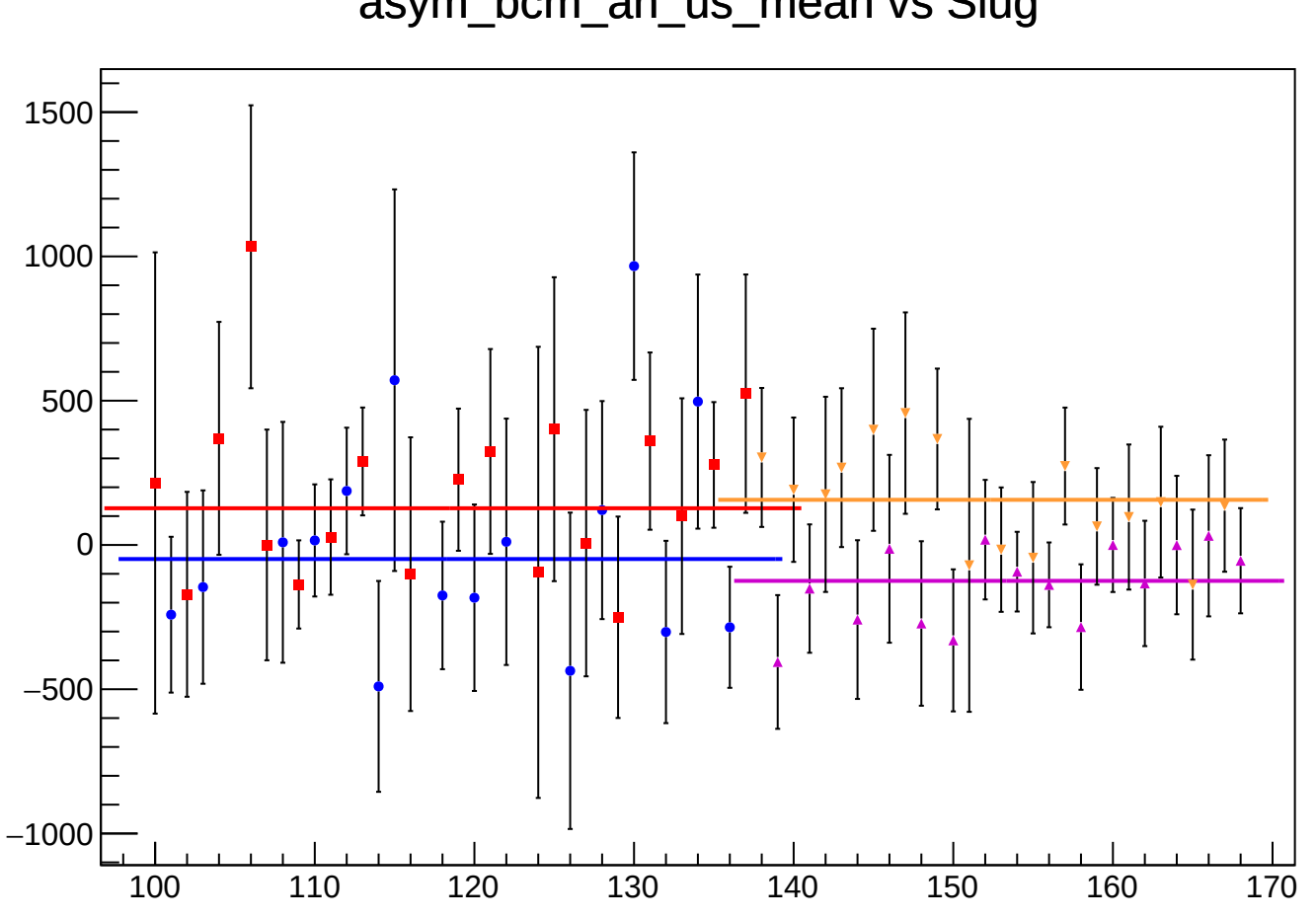
Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 176.603+/-0.038 χ^2/NDF:1499008.6/14

+ sign 209.705+/-0.035 χ^2/NDF: 2171062.5/31

All: 189.655+/-0.023 χ^2/NDF: 5889526.7/65

- sign 175.061+/-0.030 χ^2/NDF: 3145532.4/33



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 156.470+/-64.355 χ^2/NDF:5.8/15

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

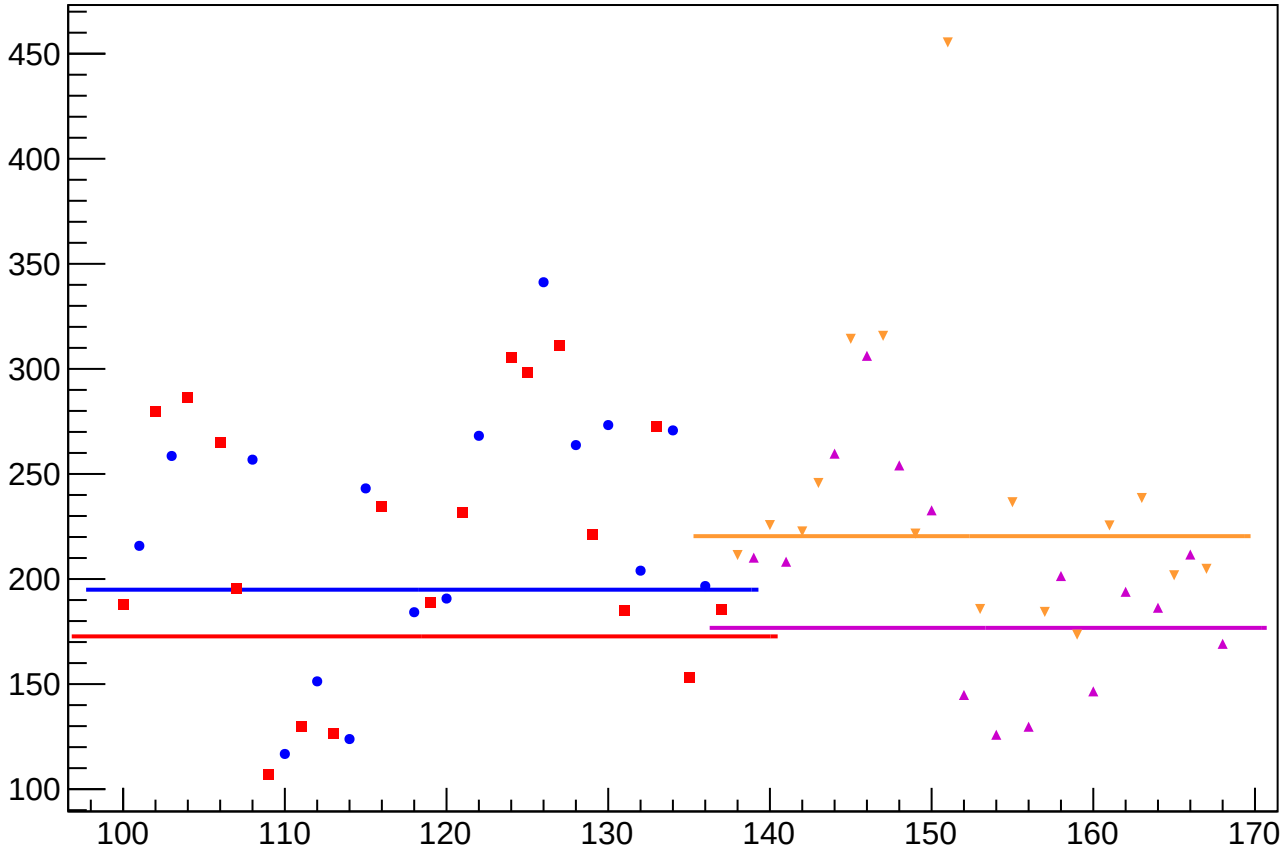
Left In: -124.416+/-53.256 χ^2/NDF:5.2/14

+ sign 71.545+/-49.271 χ^2/NDF: 25.5/31

All: 13.009+/-31.983 χ^2/NDF: 54.4/65

- sign -29.617+/-42.046 χ^2/NDF: 26.5/33

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 220.401+/-0.046 χ^2/NDF:1002347.4/15

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

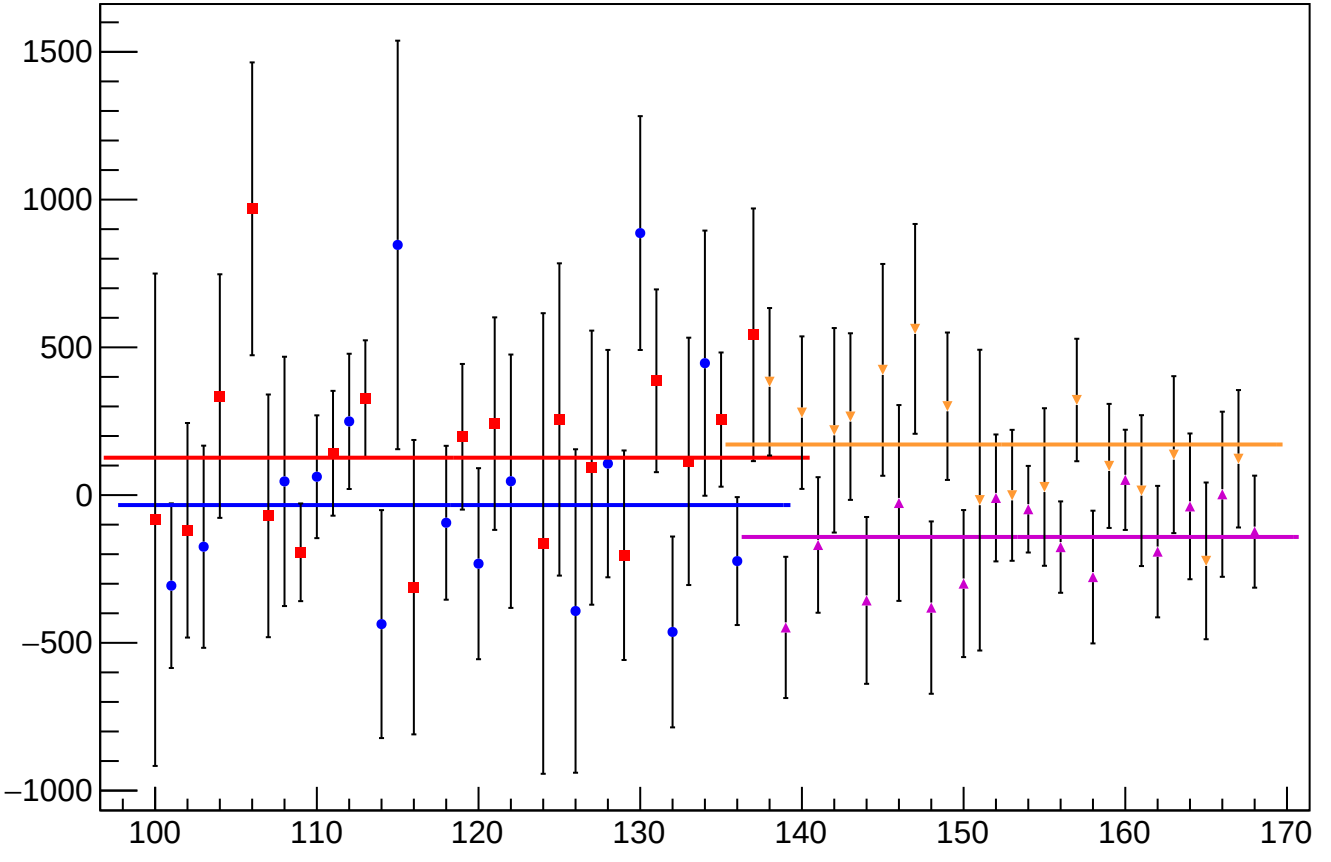
Left In: 176.758+/-0.038 χ^2/NDF:1498764.8/14

+ sign 209.857+/-0.035 χ^2/NDF: 2160972.8/31

All: 189.821+/-0.023 χ^2/NDF: 5867018.1/65

- sign 175.231+/-0.030 χ^2/NDF: 3134480.5/33

asym_bcm_dg_us_mean vs Slug



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 171.253+/-65.897 χ^2/NDF:7.3/15

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

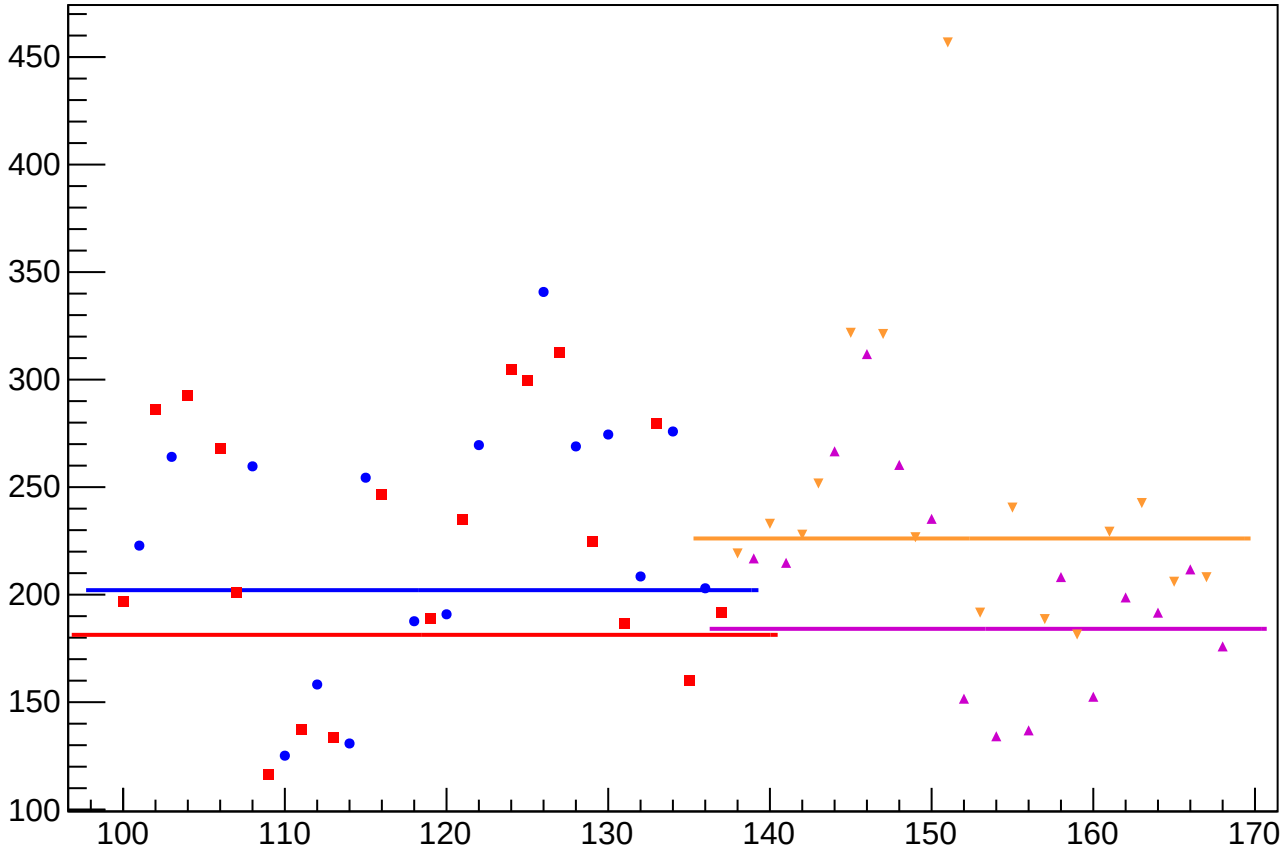
Left In: -141.651+/-55.215 χ^2/NDF:6.4/14

+ sign 87.142+/-50.602 χ^2/NDF: 27.0/31

All: 13.613+/-33.055 χ^2/NDF: 58.7/65

- sign -41.117+/-43.657 χ^2/NDF: 28.0/33

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 226.128+/-0.047 χ^2/NDF:957984.5/15

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

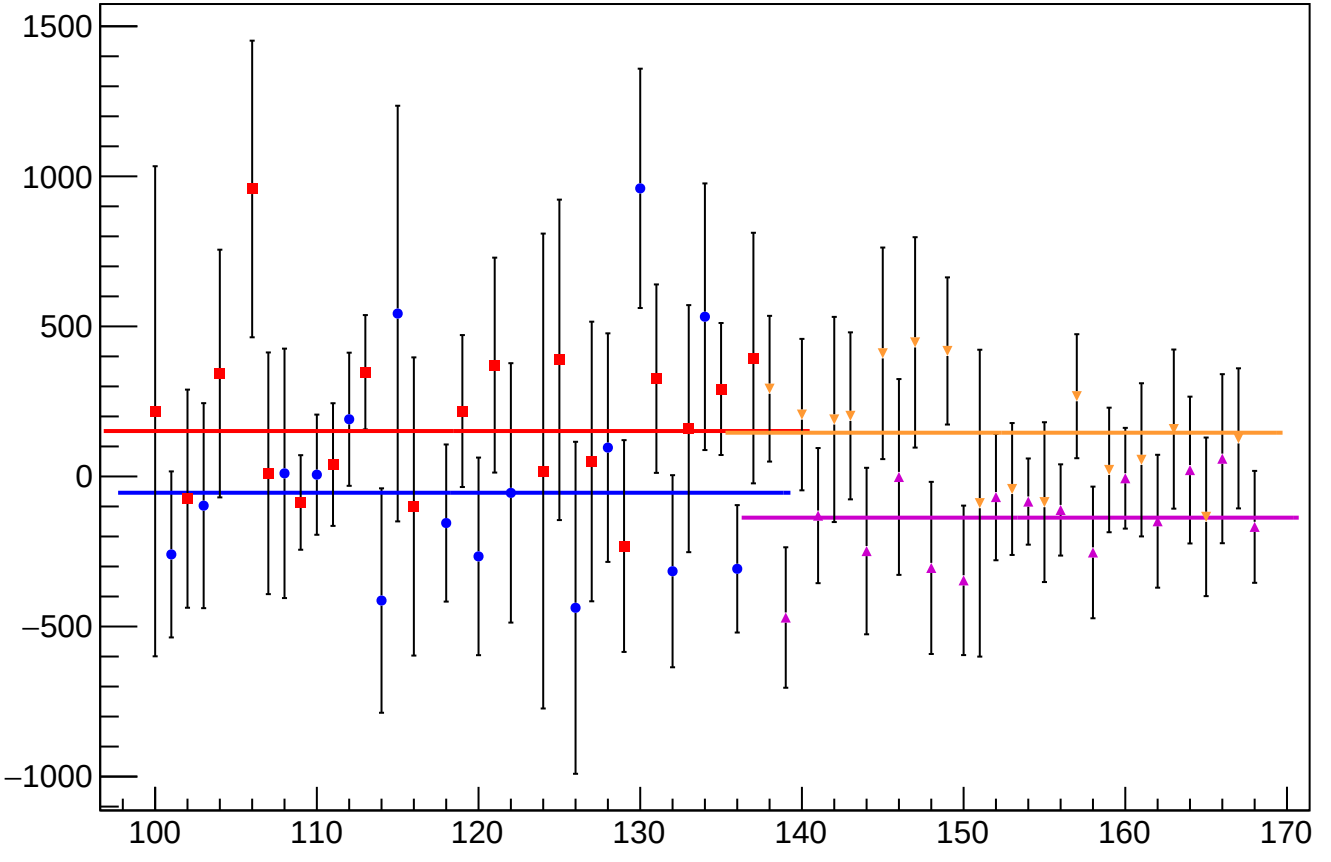
Left In: 184.109+/-0.039 χ^2/NDF:1353587.5/14

+ sign 216.264+/-0.036 χ^2/NDF: 1977443.0/31

All: 197.230+/-0.023 χ^2/NDF: 5267597.6/65

- sign 183.061+/-0.031 χ^2/NDF: 2796500.8/33

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 145.748+/-65.300 χ^2/NDF:6.7/15

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

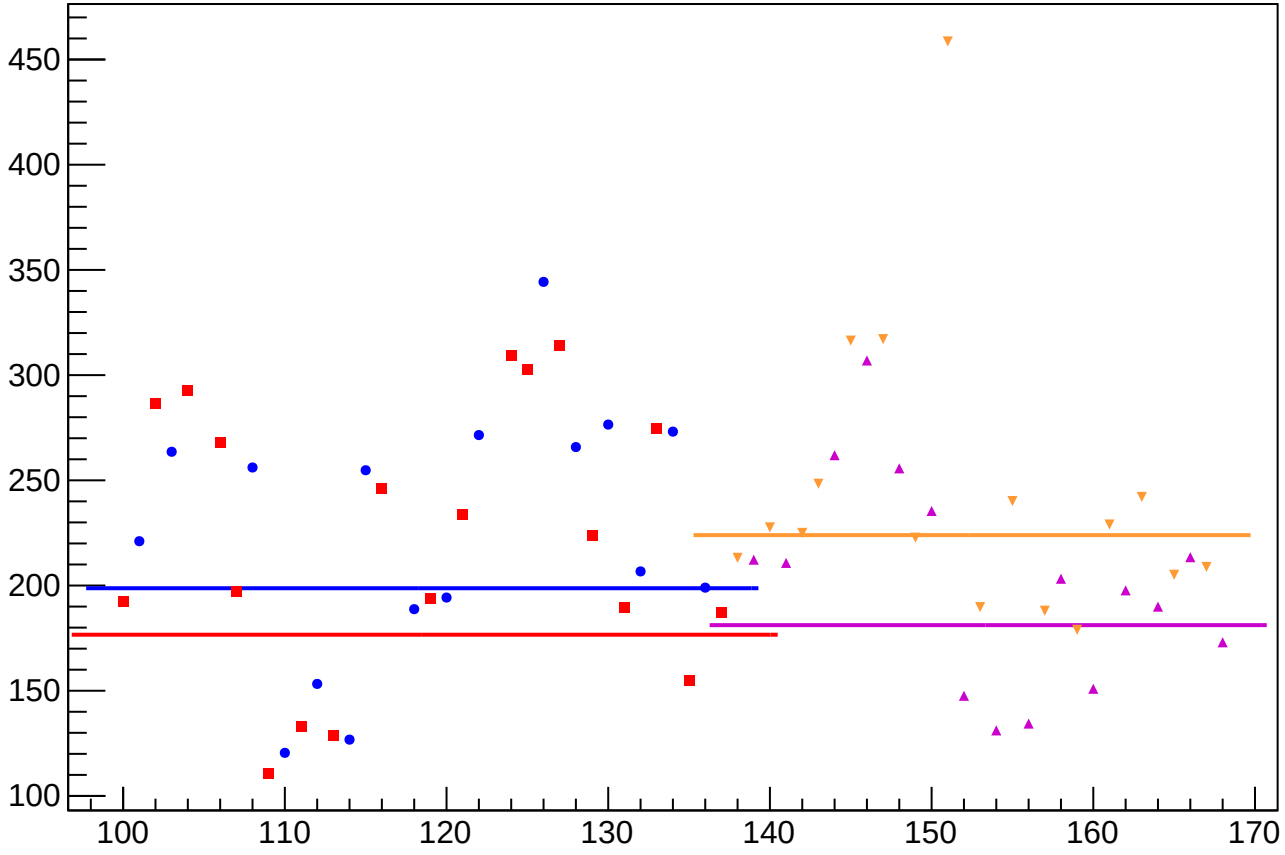
Left In: -137.277+/-54.413 χ^2/NDF:5.5/14

+ sign 63.267+/-50.056 χ^2/NDF: 25.6/31

All: 10.474+/-32.590 χ^2/NDF: 53.9/65

- sign -28.371+/-42.938 χ^2/NDF: 26.4/33

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 223.960+/-0.046 χ^2/NDF:958888.3/15

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

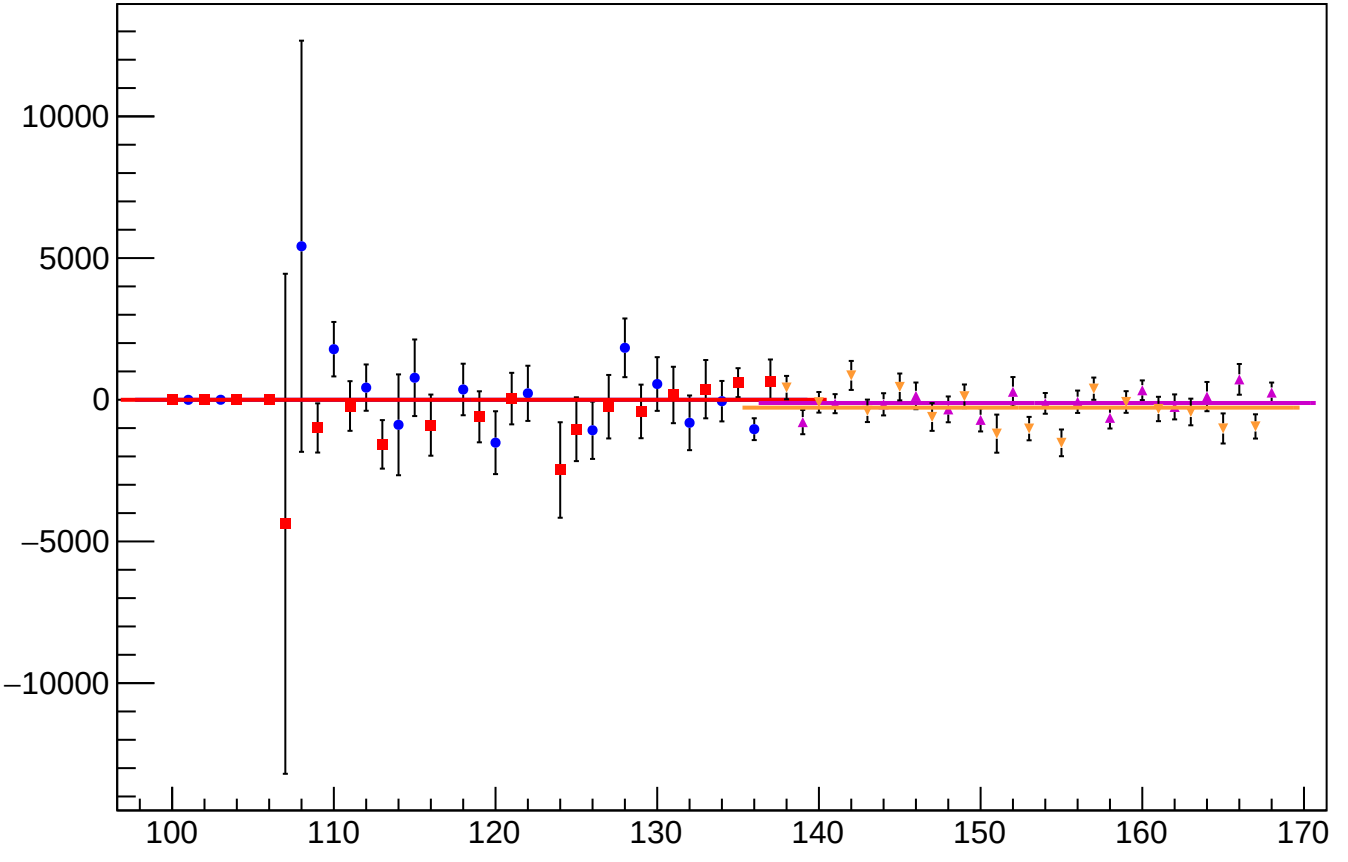
Left In: 181.178+/-0.038 χ^2/NDF:1378720.3/14

+ sign 213.550+/-0.035 χ^2/NDF: 2076195.1/31

All: 193.910+/-0.023 χ^2/NDF: 5590361.2/65

- sign 179.459+/-0.030 χ^2/NDF: 2979723.0/33

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -278.155+/-109.855 χ^2/NDF:31.6/15

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

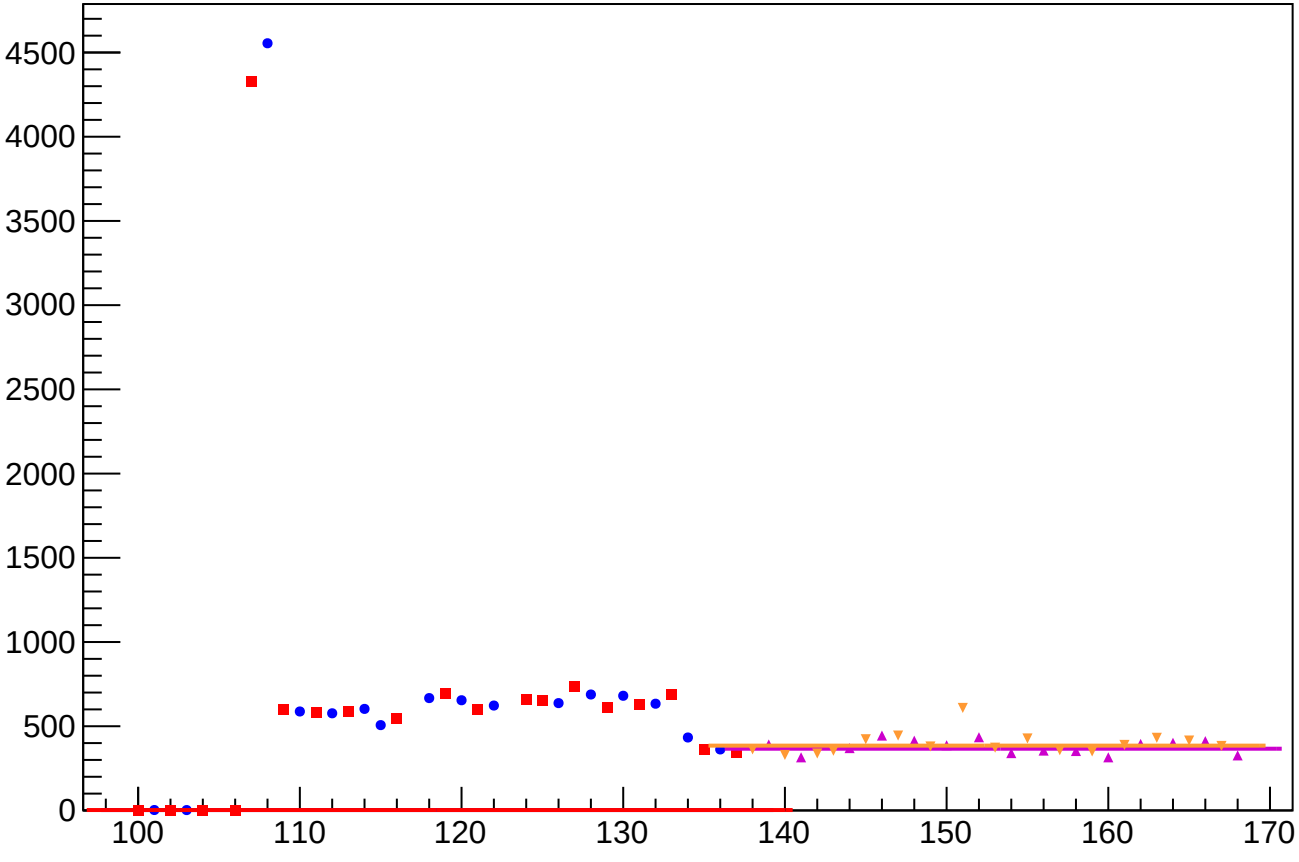
Left In: -113.889+/-105.786 χ^2/NDF:13.1/14

+ sign -1.347+/-2.170 χ^2/NDF: 57.9/31

All: -1.385+/-1.479 χ^2/NDF: 88.9/65

- sign -1.418+/-2.022 χ^2/NDF: 31.1/33

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 384.853+/-0.078 χ^2/NDF:415172.6/15

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

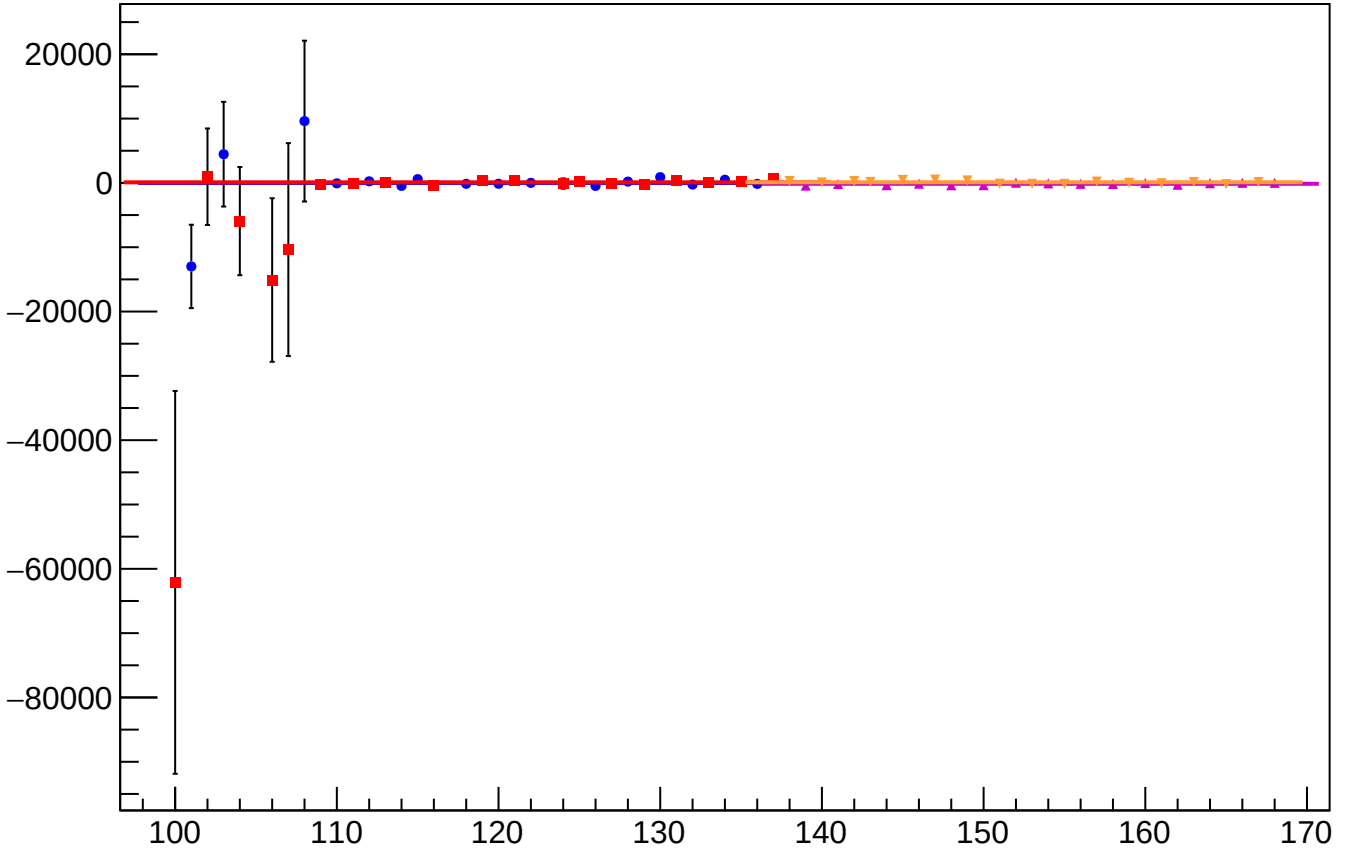
Left In: 366.552+/-0.075 χ^2/NDF:284134.0/14

\+ sign 2.626+/-0.002 χ^2/NDF: 36262775.2/31

All: 2.610+/-0.001 χ^2/NDF: 71775186.9/65

\- sign 2.595+/-0.001 χ^2/NDF: 35512196.6/33

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 101.660+/-67.974 χ^2/NDF:8.3/15

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

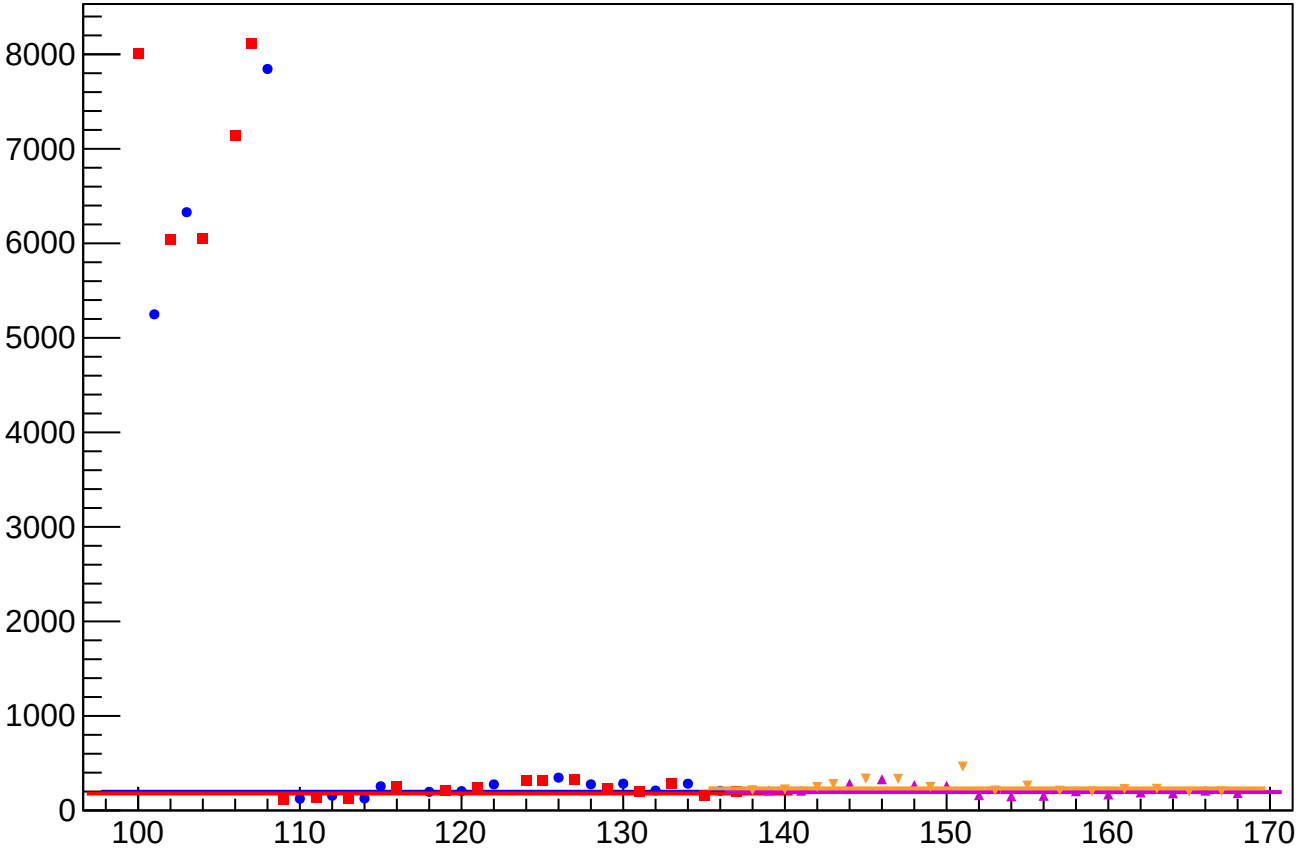
Left In: -137.333+/-57.916 χ^2/NDF:5.9/14

+ sign 63.791+/-53.754 χ^2/NDF: 25.9/31

All: -7.097+/-35.480 χ^2/NDF: 54.8/65

- sign -61.823+/-47.230 χ^2/NDF: 25.8/33

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 233.544+/-0.048 χ^2/NDF:956922.6/15

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

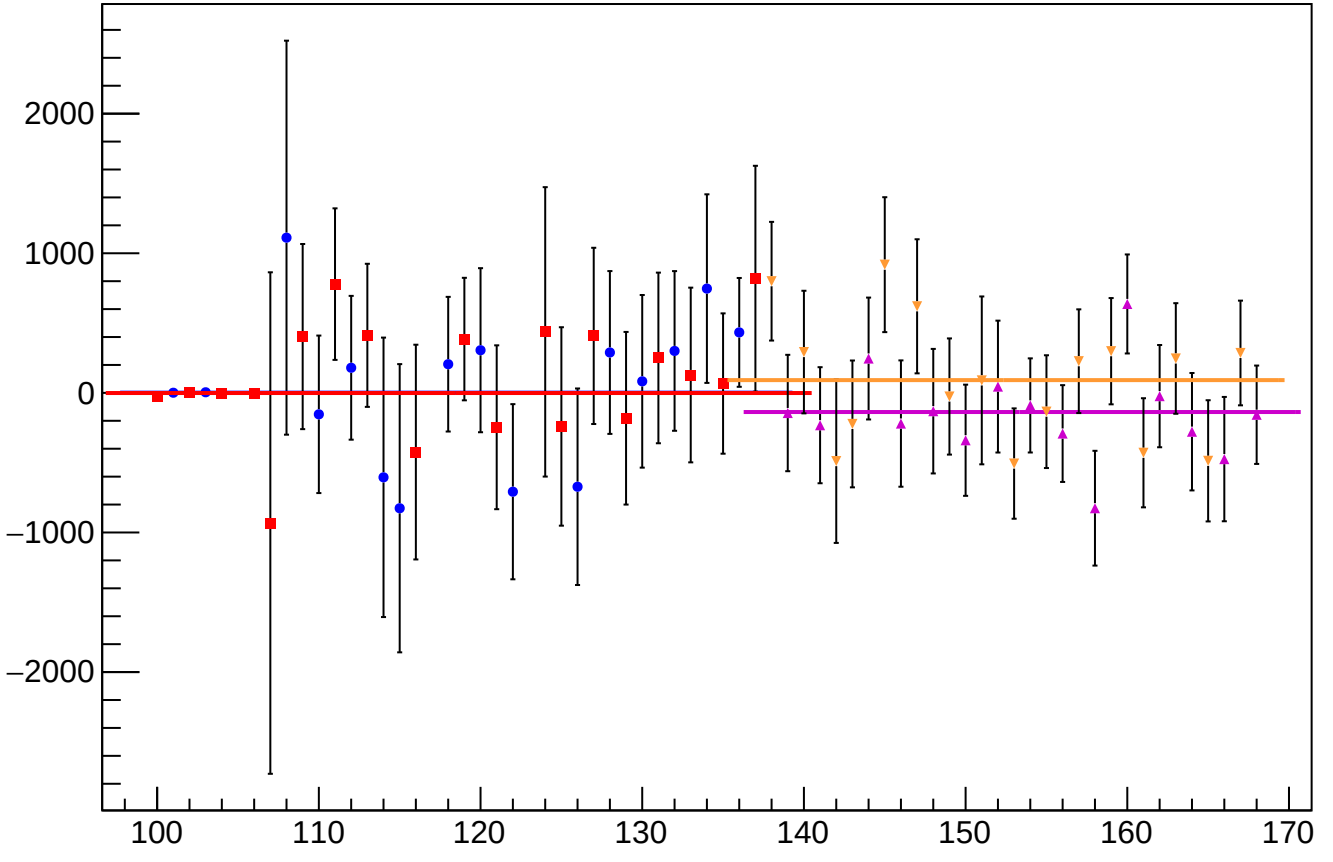
Left In: 194.450+/-0.041 χ^2/NDF:1081848.4/14

+ sign 220.085+/-0.038 χ^2/NDF: 5123393.7/31

All: 202.745+/-0.025 χ^2/NDF: 11038605.8/65

- sign 189.359+/-0.033 χ^2/NDF: 5546420.3/33

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 91.351+/-106.806 χ^2/NDF:15.7/15

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

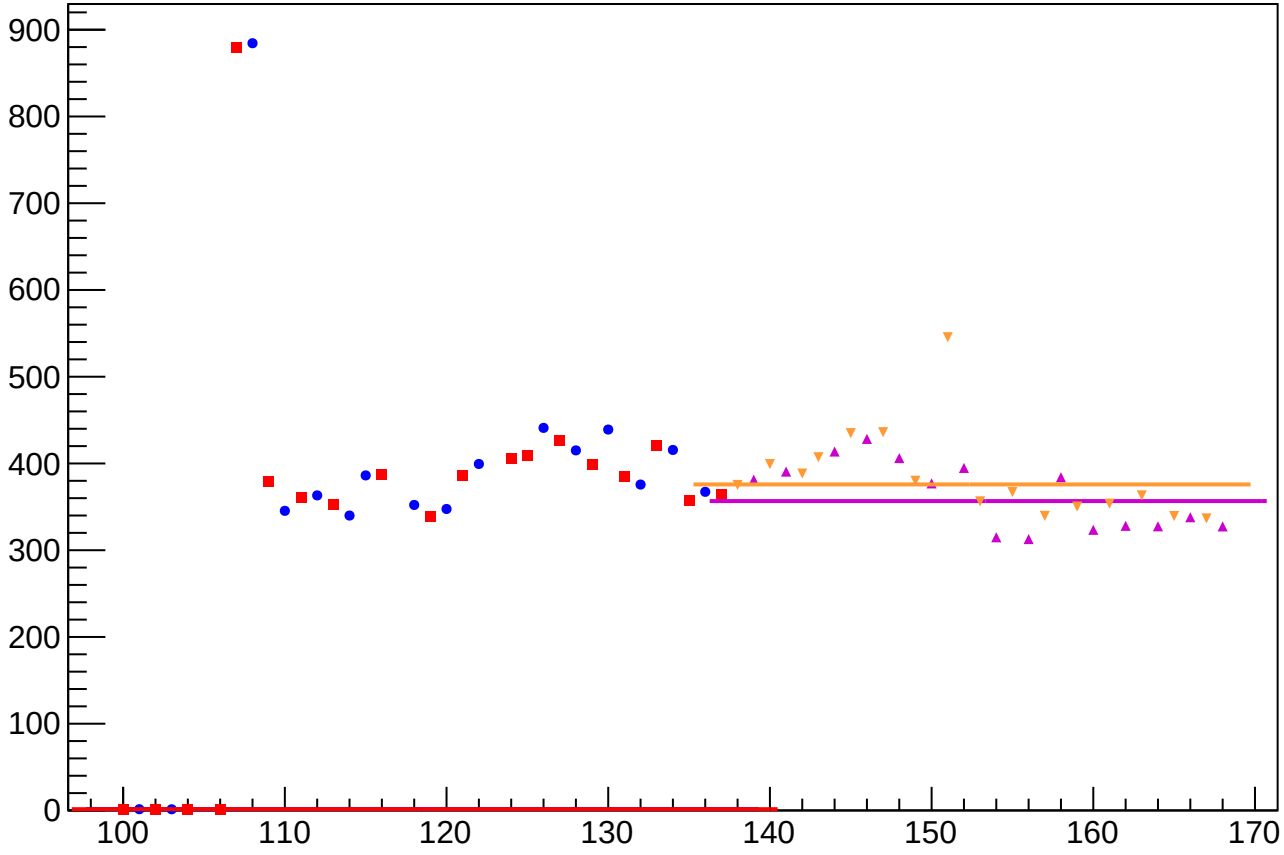
Left In: -137.208+/-102.766 χ^2/NDF:9.8/14

+ sign 1.477+/-1.660 χ^2/NDF: 24.3/31

All: 0.069+/-1.124 χ^2/NDF: 46.3/65

- sign -1.124+/-1.528 χ^2/NDF: 20.8/33

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 375.826+/-0.076 χ^2/NDF:315227.0/15

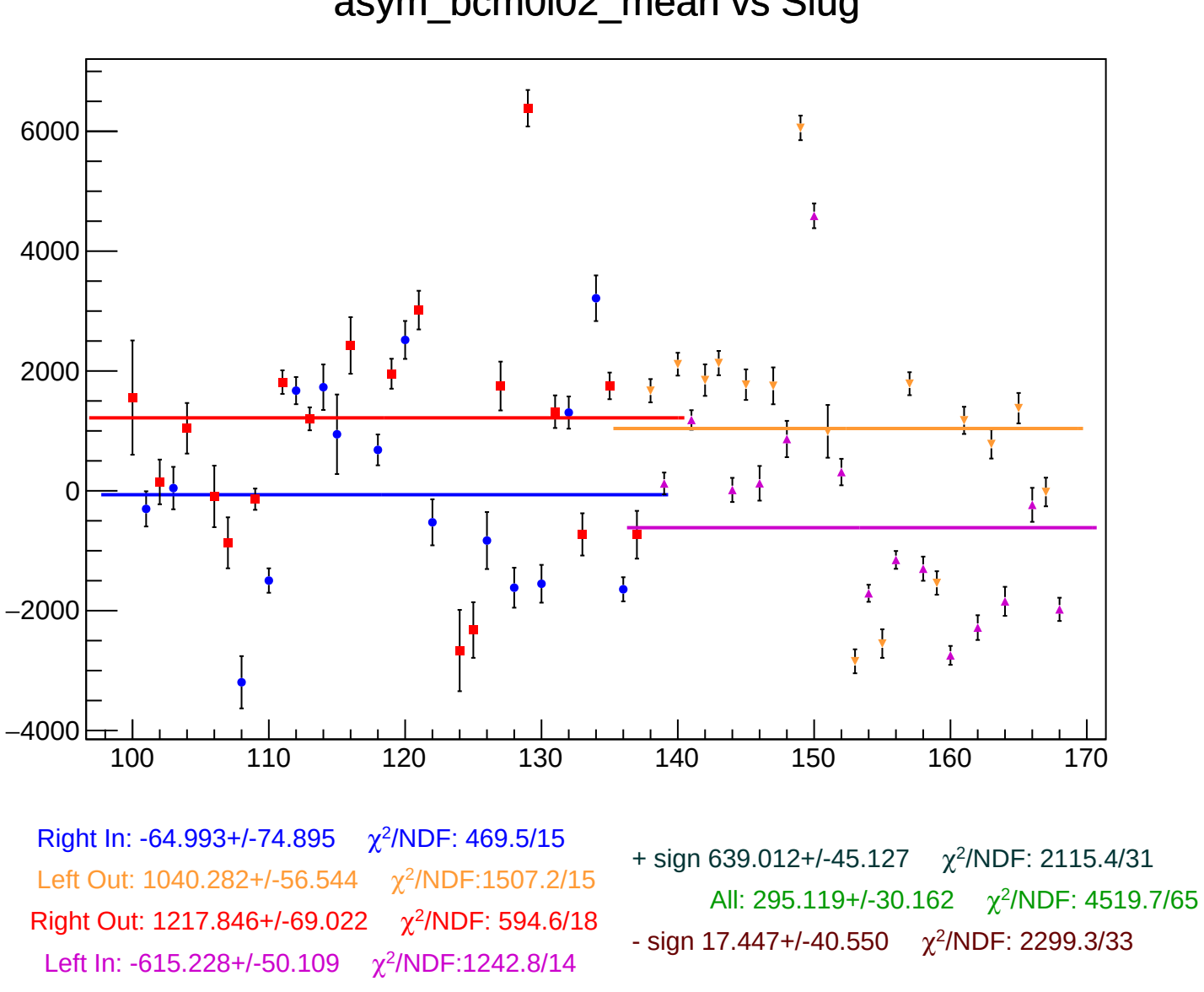
Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 356.646+/-0.073 χ^2/NDF:275820.9/14

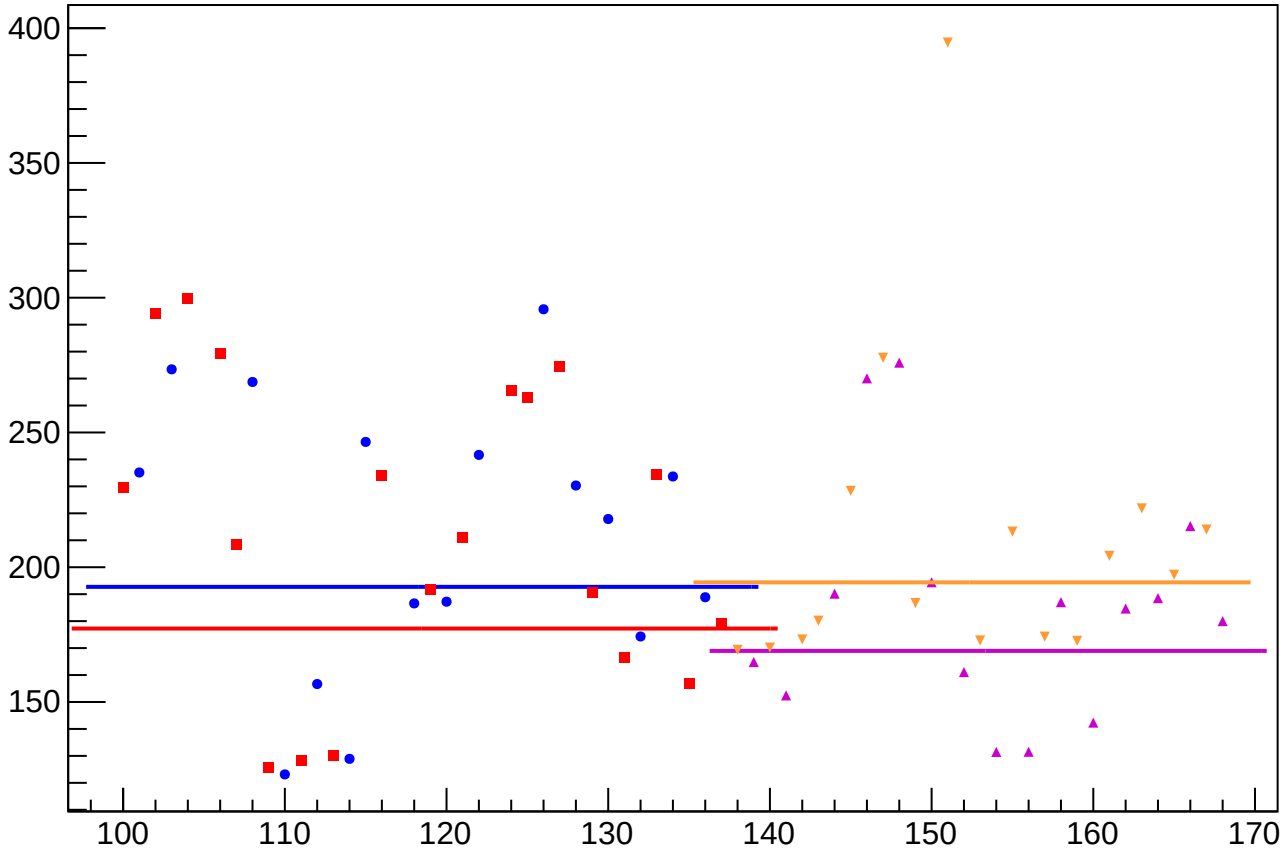
+ sign 1.561+/-0.001 χ^2/NDF: 36615018.0/31

All: 1.552+/-0.001 χ^2/NDF: 72046548.9/65

- sign 1.546+/-0.001 χ^2/NDF: 35431442.8/33


asym_bcm0l02_mean vs Slug
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: -64.993+/-74.895 χ²/NDF: 469.5/15
Left Out: 1040.282+/-56.544 χ²/NDF:1507.2/15
Right Out: 1217.846+/-69.022 χ²/NDF: 594.6/18
Left In: -615.228+/-50.109 χ²/NDF:1242.8/14
+ sign 639.012+/-45.127 χ²/NDF: 2115.4/31
All: 295.119+/-30.162 χ²/NDF: 4519.7/65
- sign 17.447+/-40.550 χ²/NDF: 2299.3/33

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 194.385+/-0.040 χ^2/NDF:811992.8/15

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

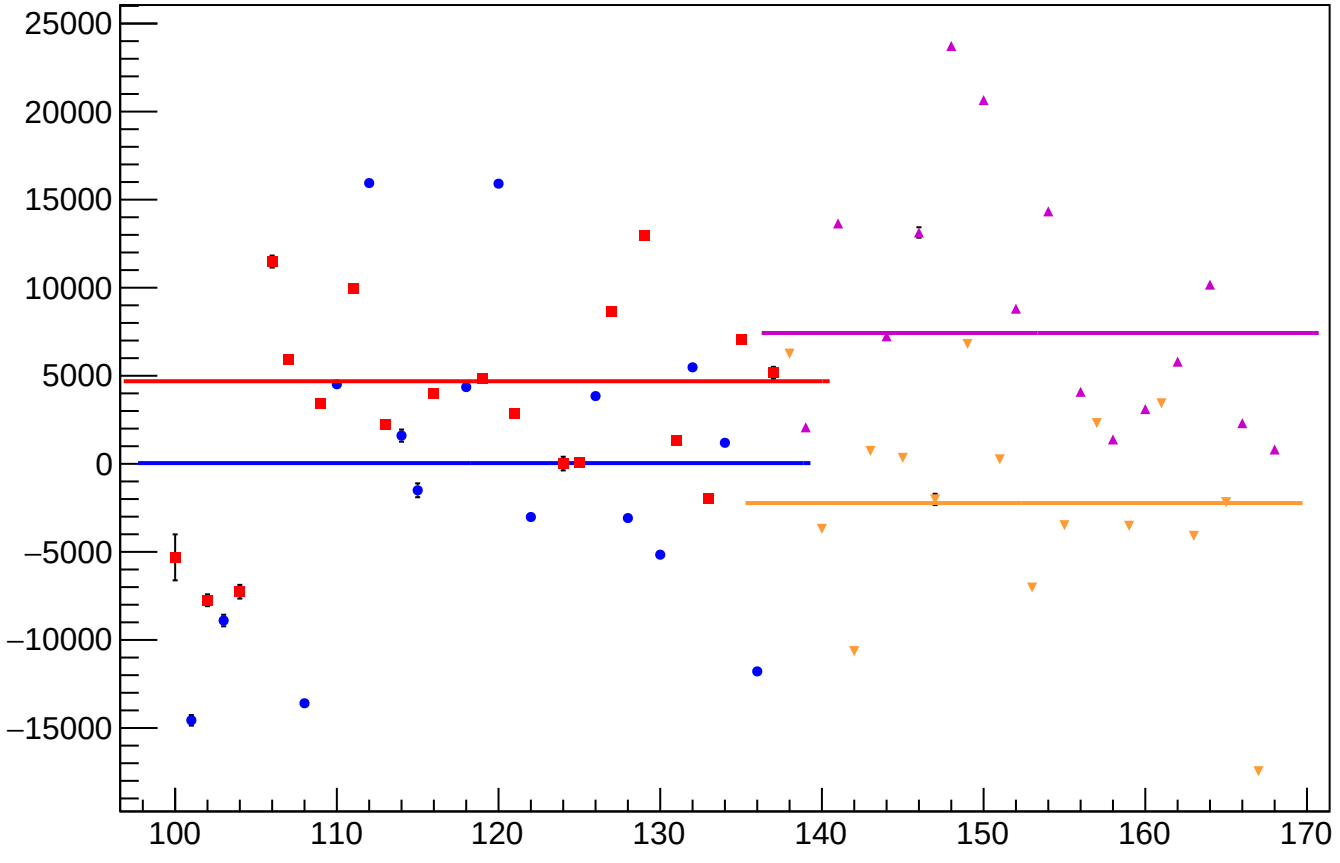
Left In: 168.949+/-0.035 χ^2/NDF:992996.5/14

+ sign 193.780+/-0.032 χ^2/NDF: 1571769.6/31

All: 181.627+/-0.021 χ^2/NDF: 4072079.5/65

- sign 171.814+/-0.029 χ^2/NDF: 2238127.5/33

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -2227.370+/-48.902 χ^2/NDF:13950.0/15

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

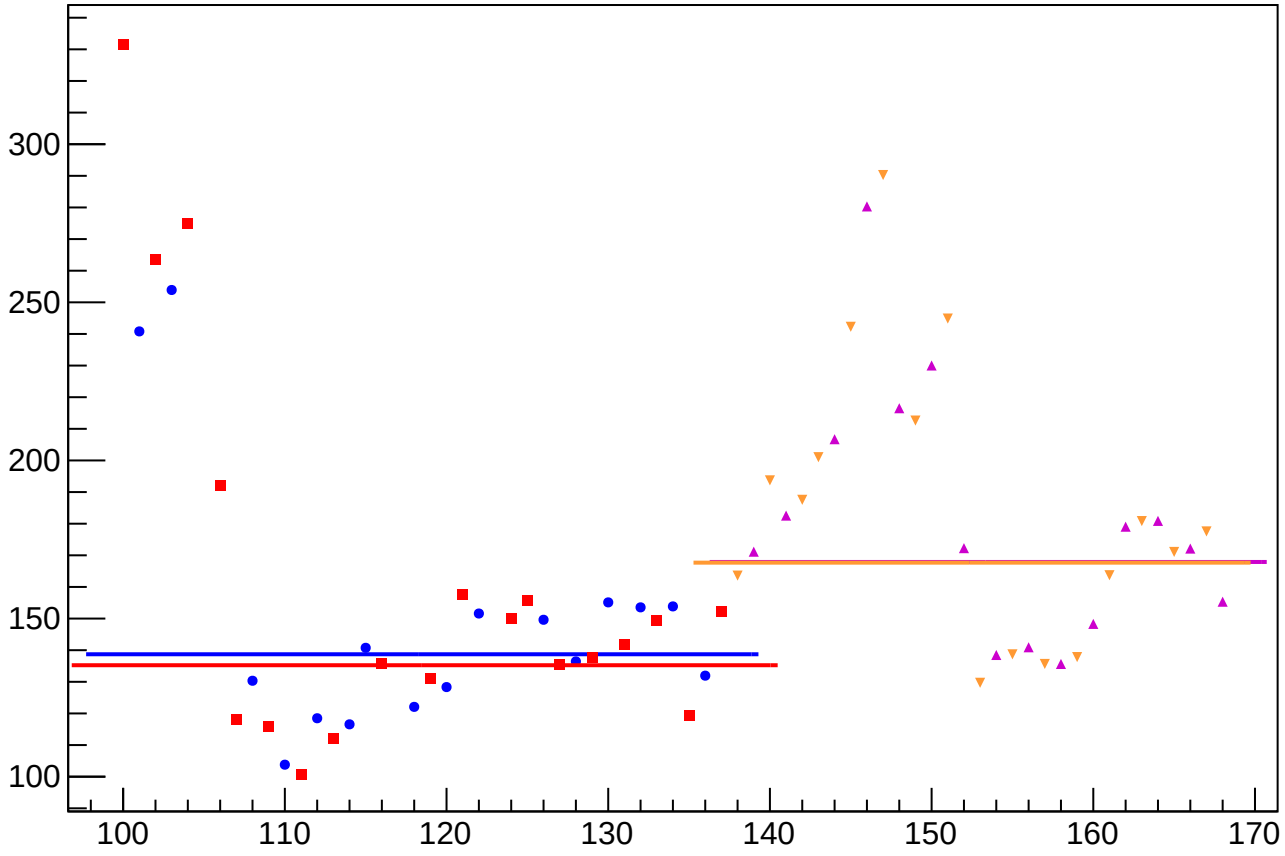
Left In: 7429.273+/-49.502 χ^2/NDF:16829.8/14

\+ sign -1209.454+/-36.307 χ^2/NDF: 45701.8/31

All: 2502.906+/-25.523 χ^2/NDF: 92447.9/65

\- sign 6129.364+/-35.885 χ^2/NDF: 26078.8/33

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.683+/-0.035 χ^2/NDF:1142937.2/15

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

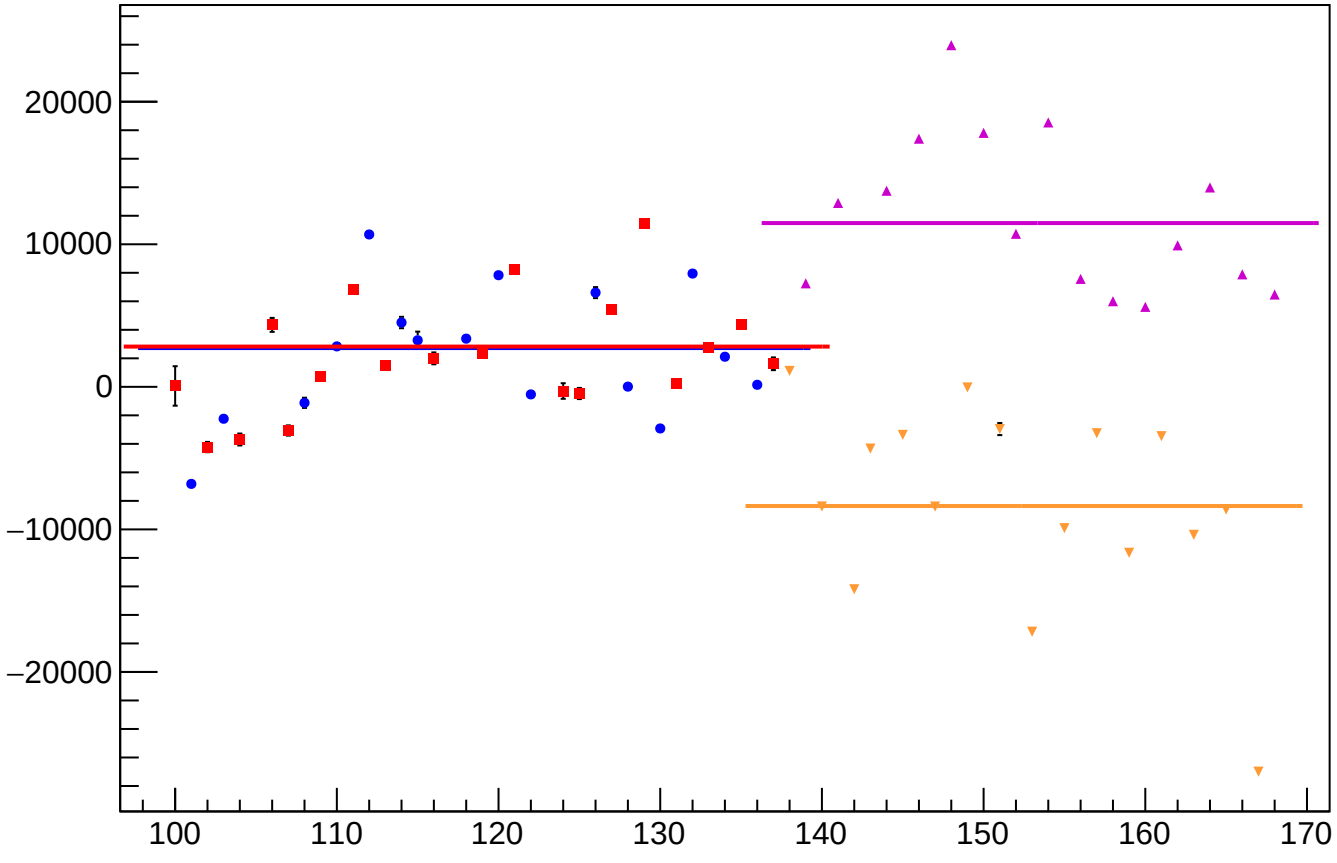
Left In: 167.897+/-0.035 χ^2/NDF:858469.1/14

+ sign 154.682+/-0.026 χ^2/NDF: 2115726.4/31

All: 153.530+/-0.018 χ^2/NDF: 4281097.0/65

- sign 152.404+/-0.025 χ^2/NDF: 2161389.4/33

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -8360.995+/-57.492 χ^2/NDF:15638.3/15

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

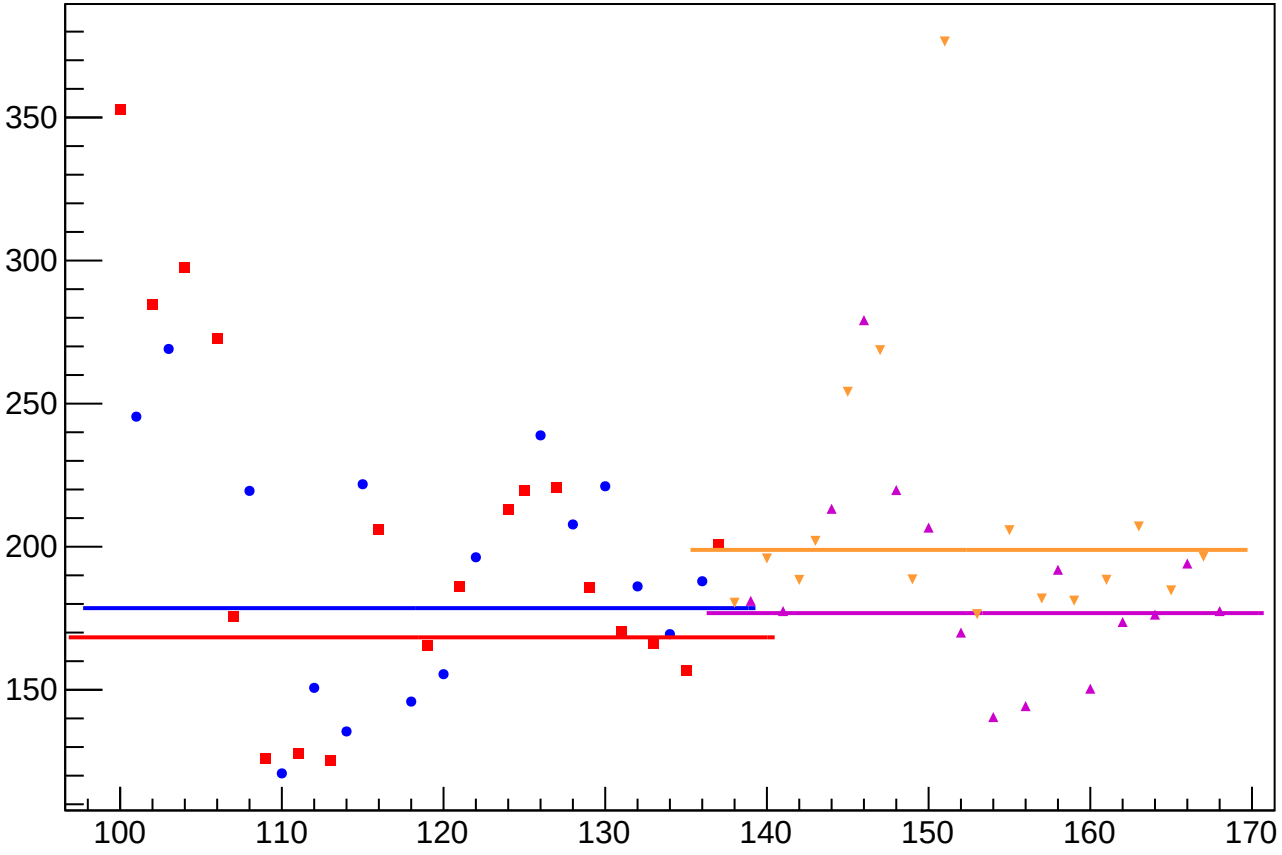
Left In: 11487.301+/-52.003 χ^2/NDF:10196.1/14

+ sign -3839.564+/-44.233 χ^2/NDF: 34925.6/31

All: 2643.232+/-29.899 χ^2/NDF: 98595.2/65

- sign 8096.635+/-40.570 χ^2/NDF: 24121.4/33

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.898+/-0.041 χ^2/NDF:633316.9/15

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

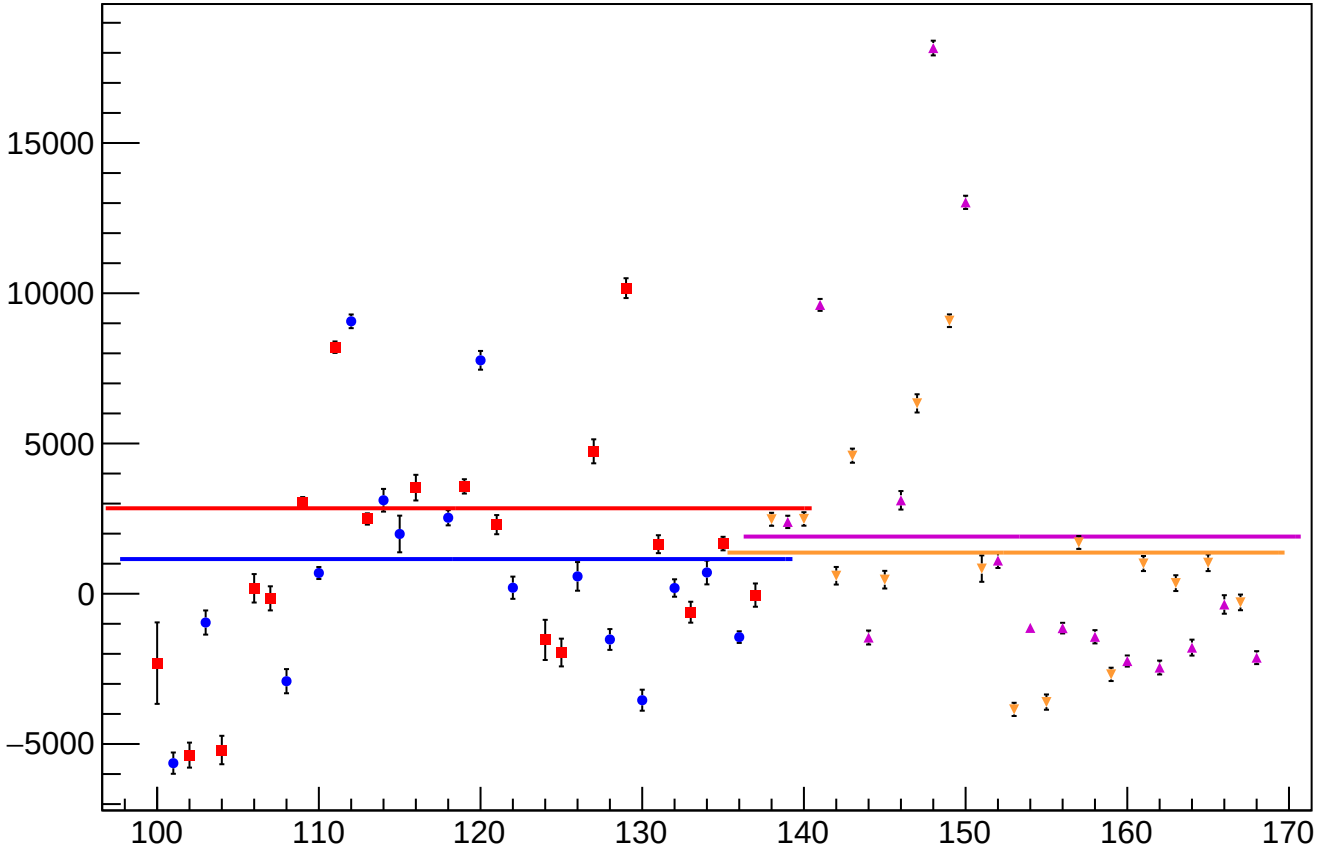
Left In: 176.803+/-0.037 χ^2/NDF:657411.9/14

+ sign 190.592+/-0.031 χ^2/NDF: 1410204.3/31

All: 181.303+/-0.021 χ^2/NDF: 3230253.3/65

- sign 173.489+/-0.029 χ^2/NDF: 1657654.4/33

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1369.543+/-62.355 χ^2/NDF:3202.2/15

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

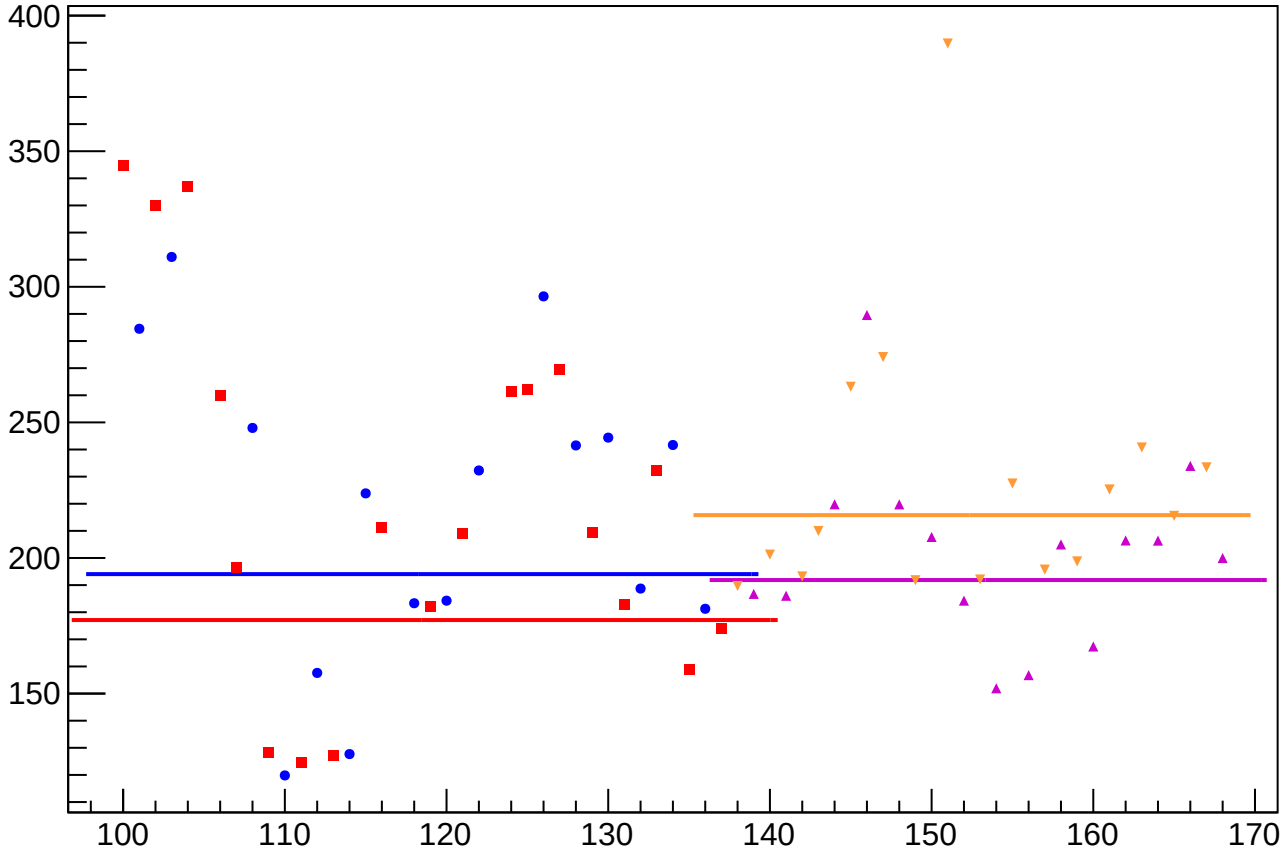
Left In: 1902.537+/-56.350 χ^2/NDF:11001.5/14

+ sign 1282.695+/-48.195 χ^2/NDF: 5862.3/31

All: 1829.287+/-32.365 χ^2/NDF: 19662.6/65

- sign 2278.269+/-43.680 χ^2/NDF: 13566.0/33

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 215.809+/-0.044 χ^2/NDF:602294.4/15

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

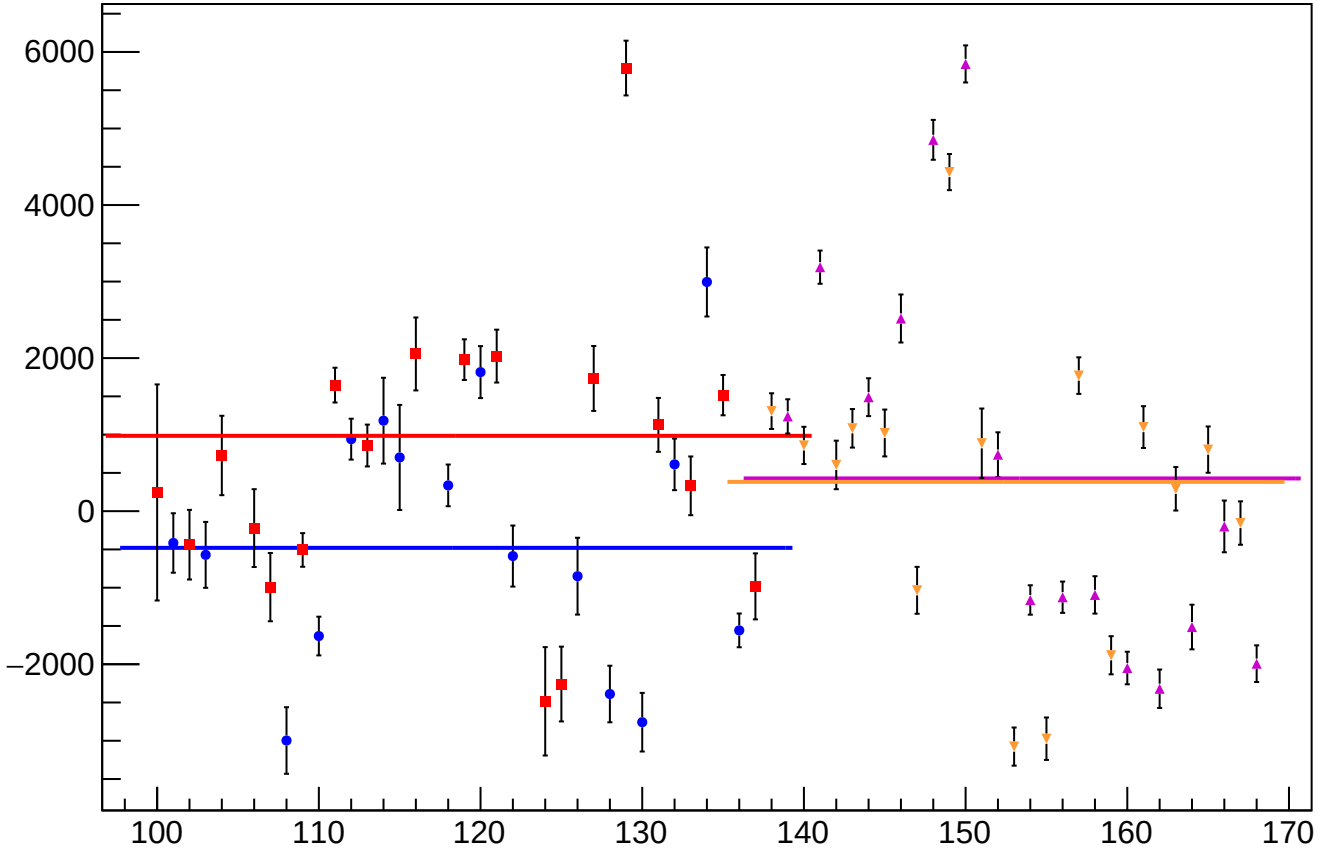
Left In: 191.869+/-0.040 χ^2/NDF:563700.4/14

+ sign 207.050+/-0.034 χ^2/NDF: 1666099.8/31

All: 195.482+/-0.023 χ^2/NDF: 3853733.3/65

- sign 185.980+/-0.031 χ^2/NDF: 1977767.2/33

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 382.958+/-67.880 χ^2/NDF:816.5/15

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

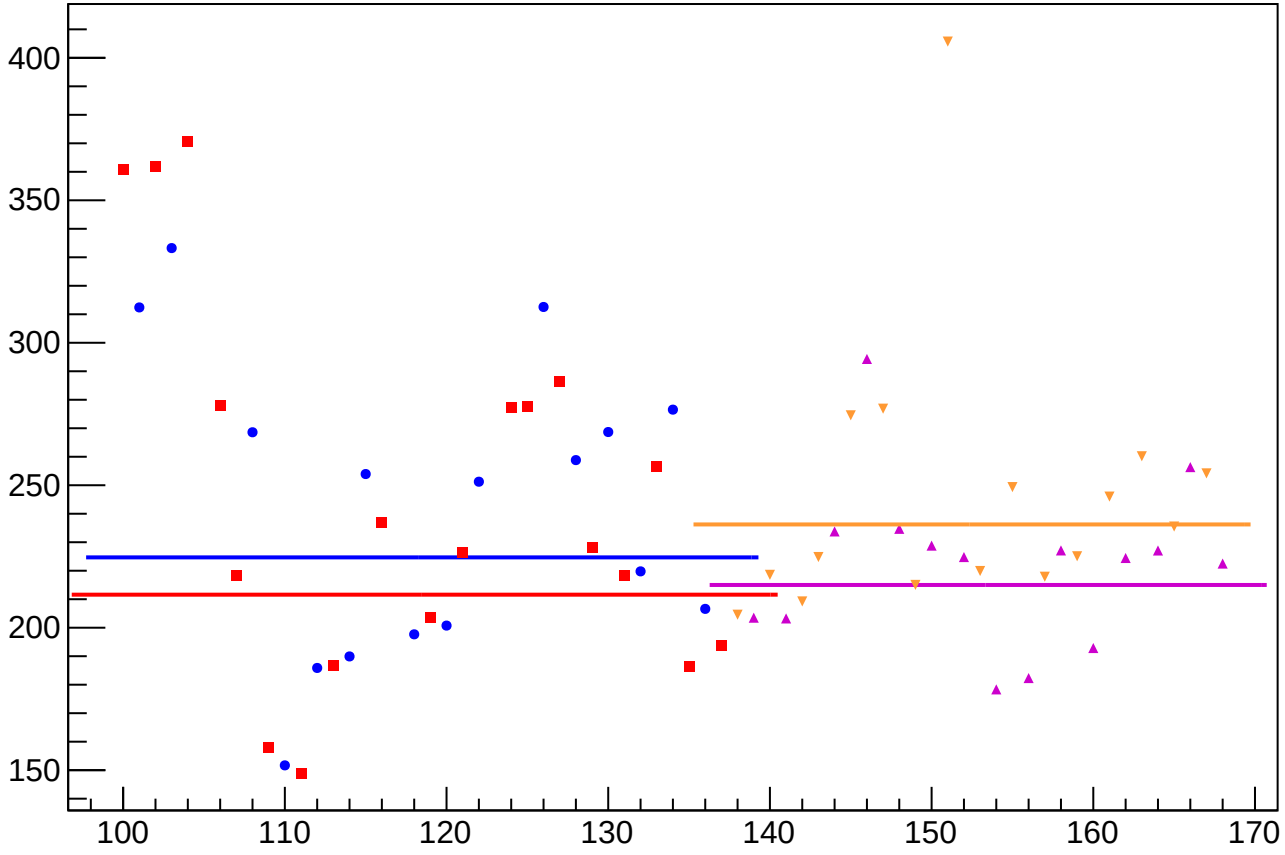
Left In: 427.602+/-62.631 χ^2/NDF:1597.3/14

+ sign 55.203+/-53.444 χ^2/NDF: 1183.3/31

All: 367.700+/-36.330 χ^2/NDF: 3271.9/65

- sign 636.151+/-49.535 χ^2/NDF: 2025.1/33

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 236.243+/-0.048 χ^2/NDF:481286.1/15

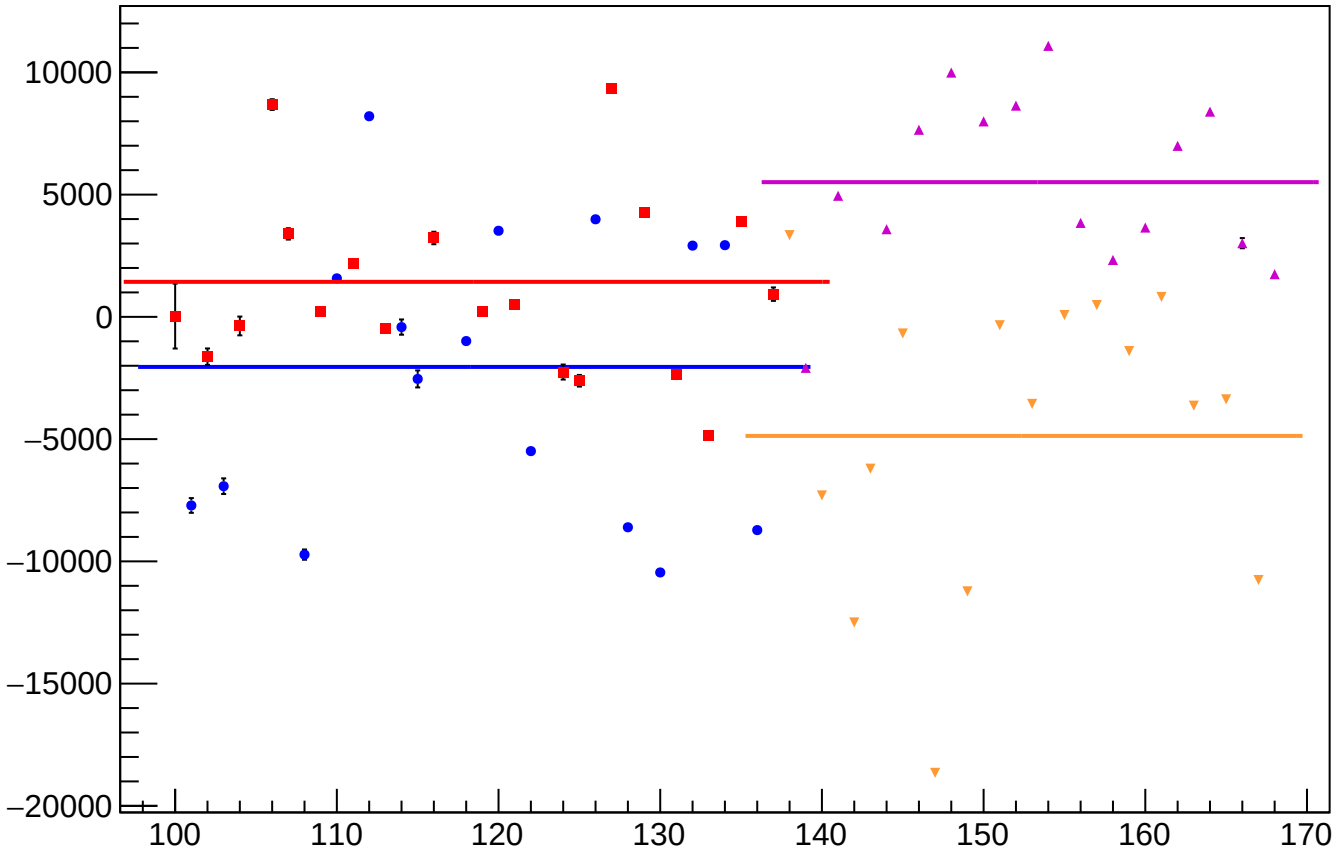
Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 215.002+/-0.044 χ^2/NDF:359243.2/14

+ sign 231.849+/-0.038 χ^2/NDF: 1156529.9/31

All: 222.100+/-0.026 χ^2/NDF: 2574601.0/65

- sign 213.726+/-0.035 χ^2/NDF: 1294361.7/33



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4868.559+/-34.758 χ^2/NDF:30832.8/15

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

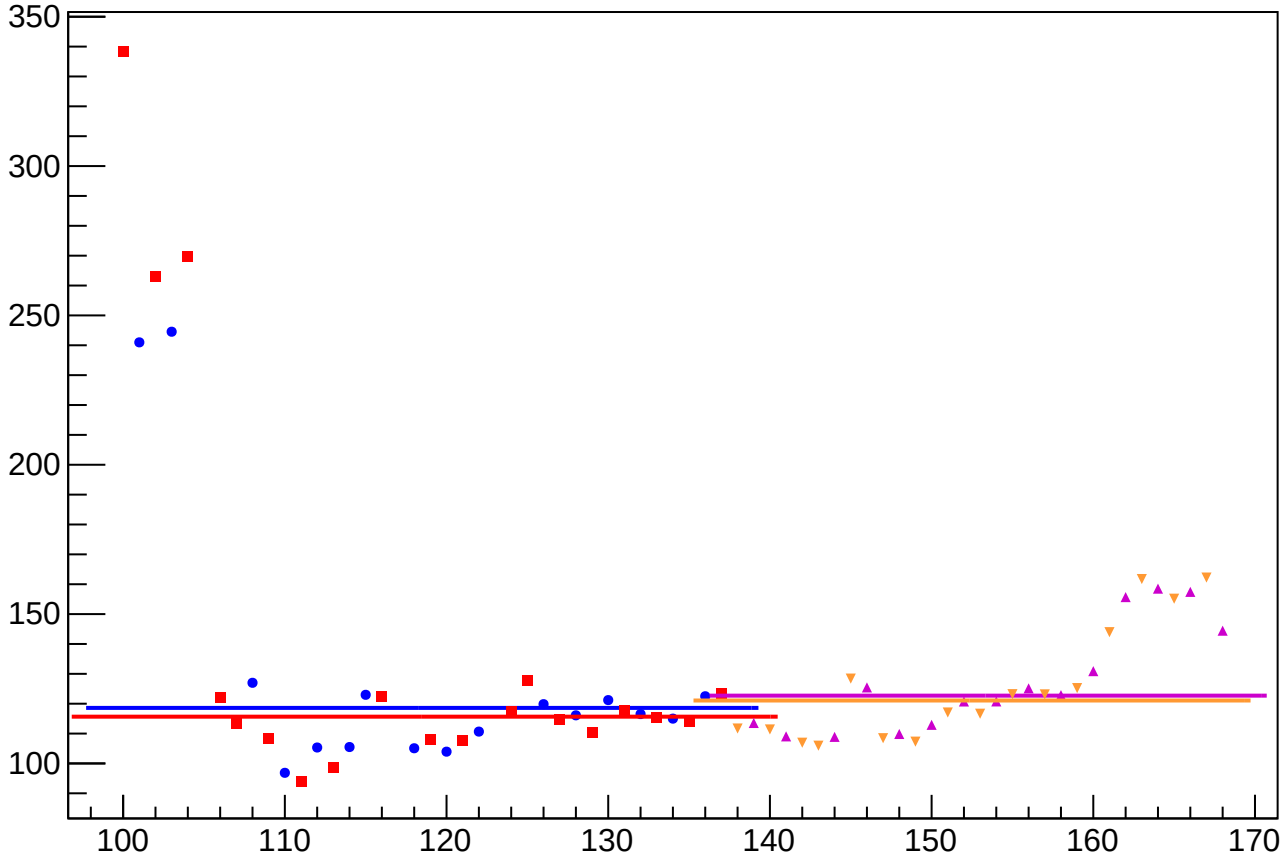
Left In: 5509.999+/-35.434 χ^2/NDF:10226.9/14

+ sign -3863.427+/-27.887 χ^2/NDF: 49889.2/31

All: 52.998+/-19.679 χ^2/NDF: 110895.3/65

- sign 3937.906+/-27.775 χ^2/NDF: 21719.5/33

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 121.071+/-0.025 χ^2/NDF:438778.7/15

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

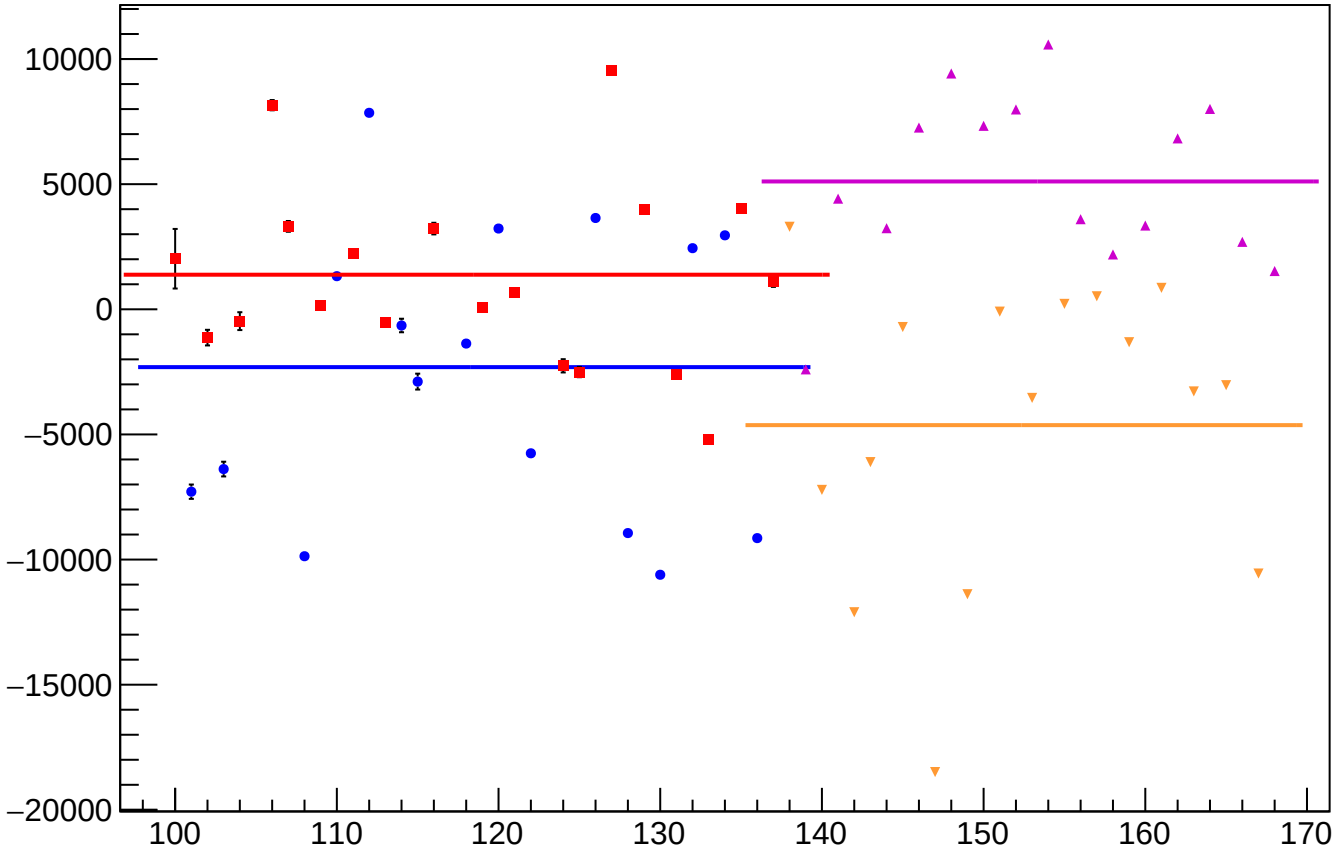
Left In: 122.699+/-0.025 χ^2/NDF:337925.4/14

+ sign 120.189+/-0.020 χ^2/NDF: 1176551.1/31

All: 120.087+/-0.014 χ^2/NDF: 2409171.2/65

- sign 119.985+/-0.020 χ^2/NDF: 1232565.9/33

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4628.610+/-31.186 χ^2/NDF:37290.3/15

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

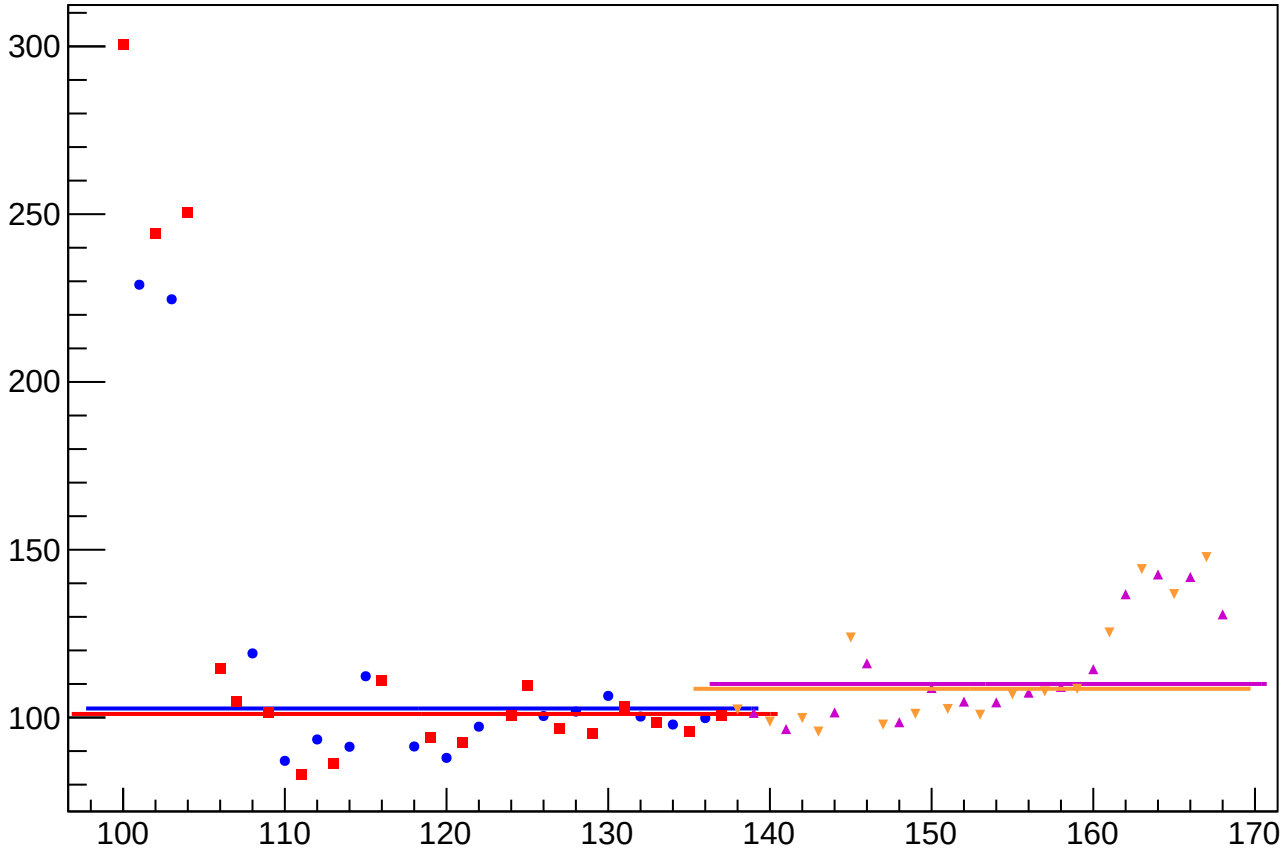
Left In: 5108.050+/-31.788 χ^2/NDF:12097.6/14

+ sign -3772.031+/-24.762 χ^2/NDF: 61011.4/31

All: -62.404+/-17.497 χ^2/NDF: 131935.4/65

- sign 3636.357+/-24.726 χ^2/NDF: 26102.9/33

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 108.561+/-0.022 χ^2/NDF:417986.1/15

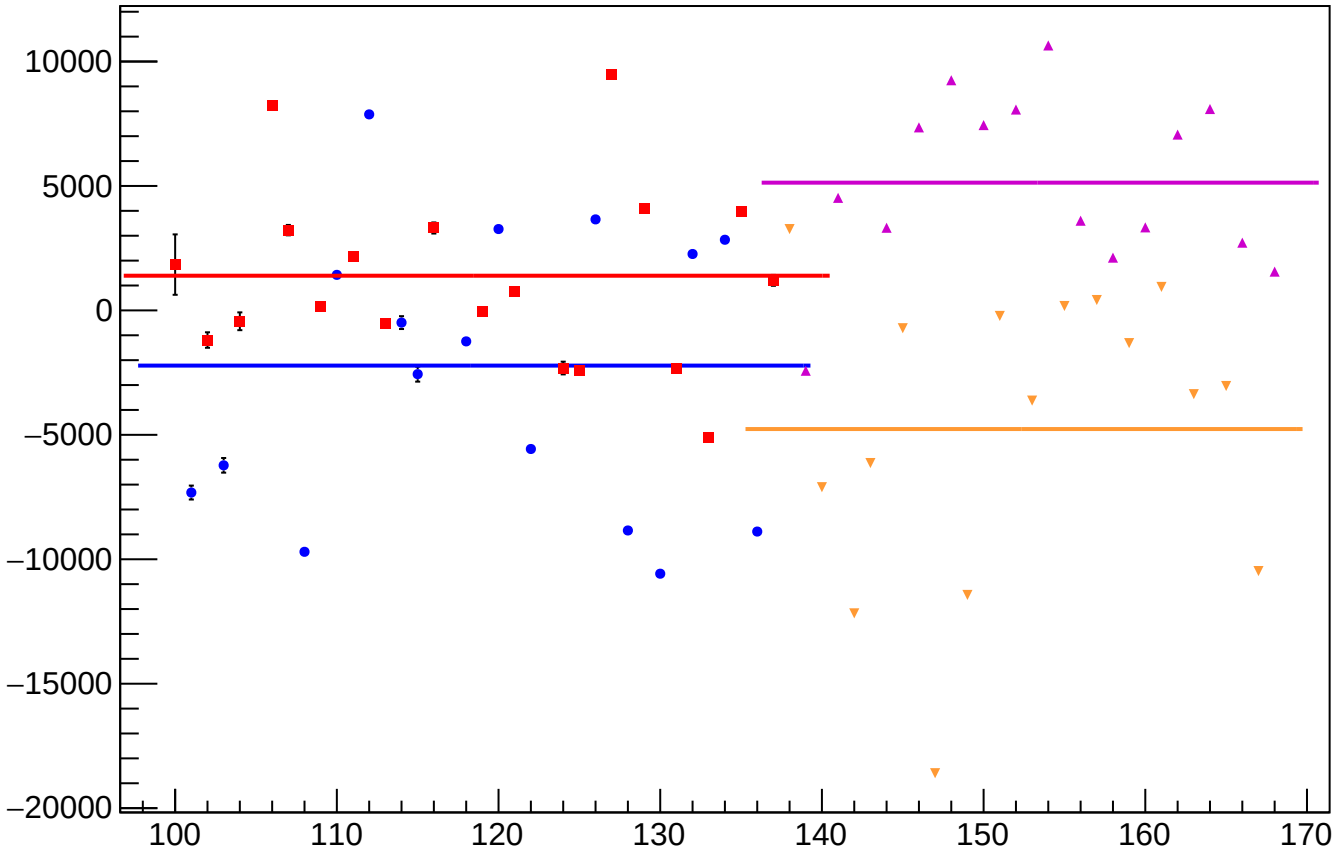
Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 110.004+/-0.022 χ^2/NDF:321703.9/14

+ sign 106.393+/-0.018 χ^2/NDF: 1269951.6/31

All: 106.433+/-0.012 χ^2/NDF: 2584613.0/65

- sign 106.472+/-0.017 χ^2/NDF: 1314651.1/33



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4767.388+/-30.538 χ^2/NDF:40081.6/15

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

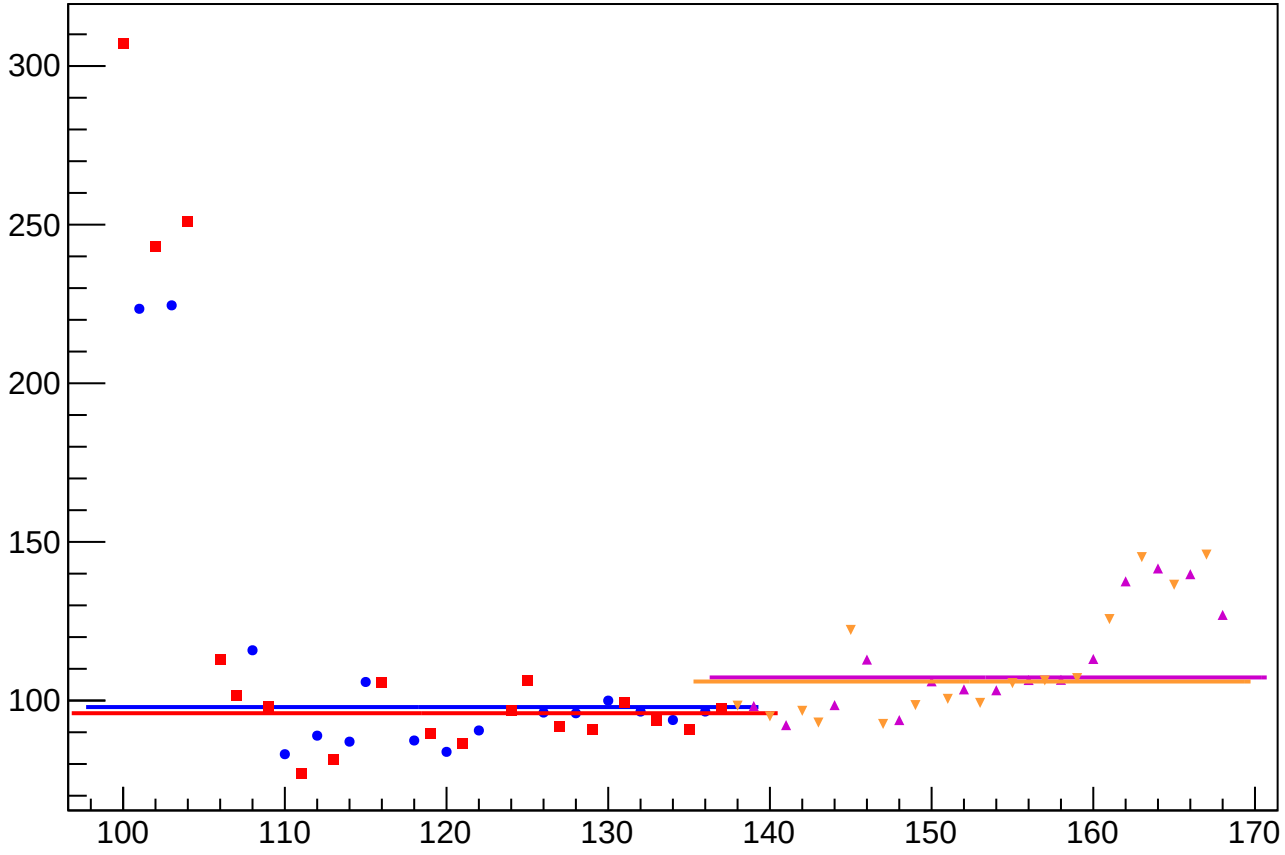
Left In: 5132.277+/-31.079 χ^2/NDF:12812.4/14

+ sign -3799.622+/-24.053 χ^2/NDF: 65767.9/31

All: -77.053+/-16.971 χ^2/NDF: 141310.7/65

- sign 3613.735+/-23.950 χ^2/NDF: 27842.2/33

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 105.996+/-0.022 χ^2/NDF:492148.1/15

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

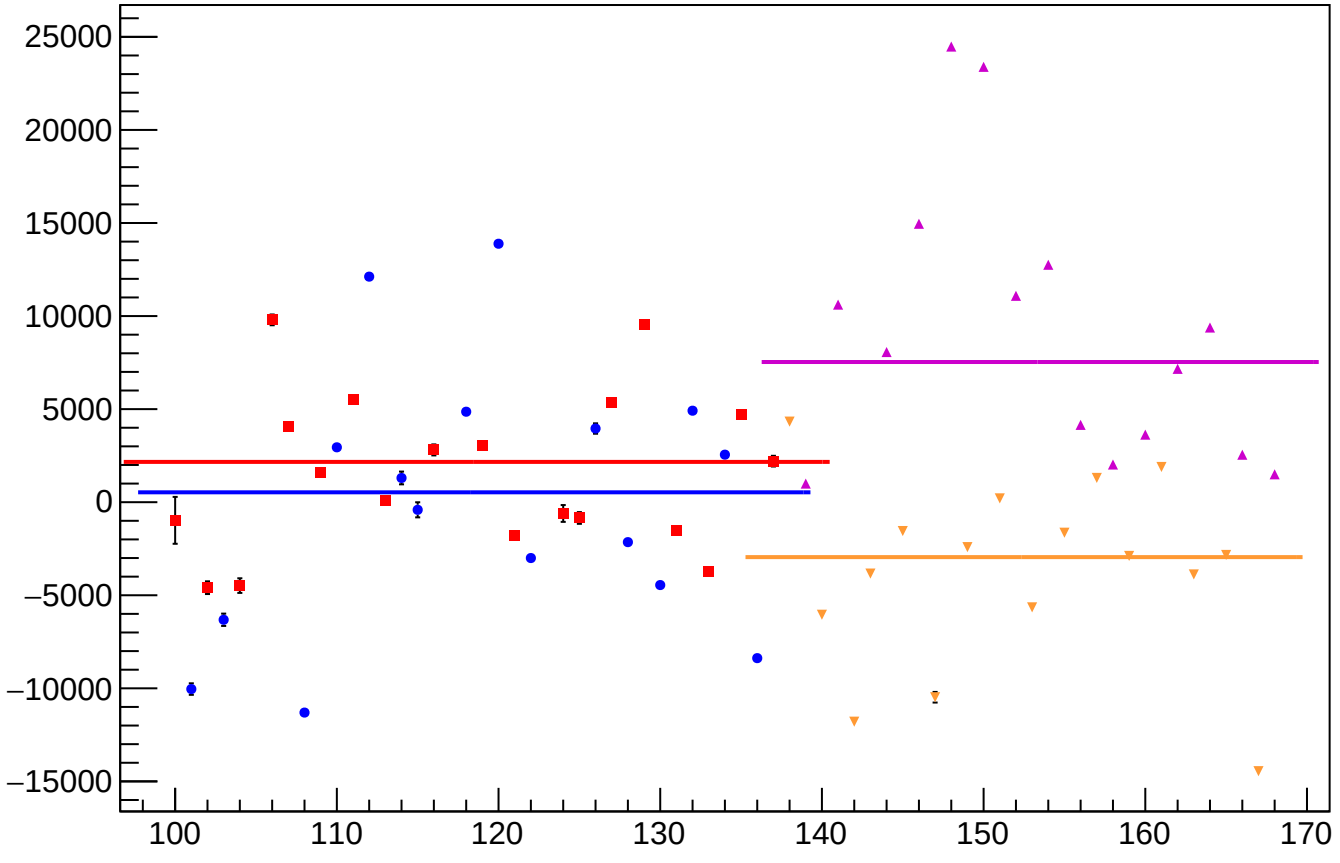
Left In: 107.278+/-0.022 χ^2/NDF:370982.9/14

+ sign 102.939+/-0.017 χ^2/NDF: 1413089.8/31

All: 102.819+/-0.012 χ^2/NDF: 2903344.3/65

- sign 102.699+/-0.017 χ^2/NDF: 1490154.4/33

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2950.919+/-44.372 χ^2/NDF:10660.0/15

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

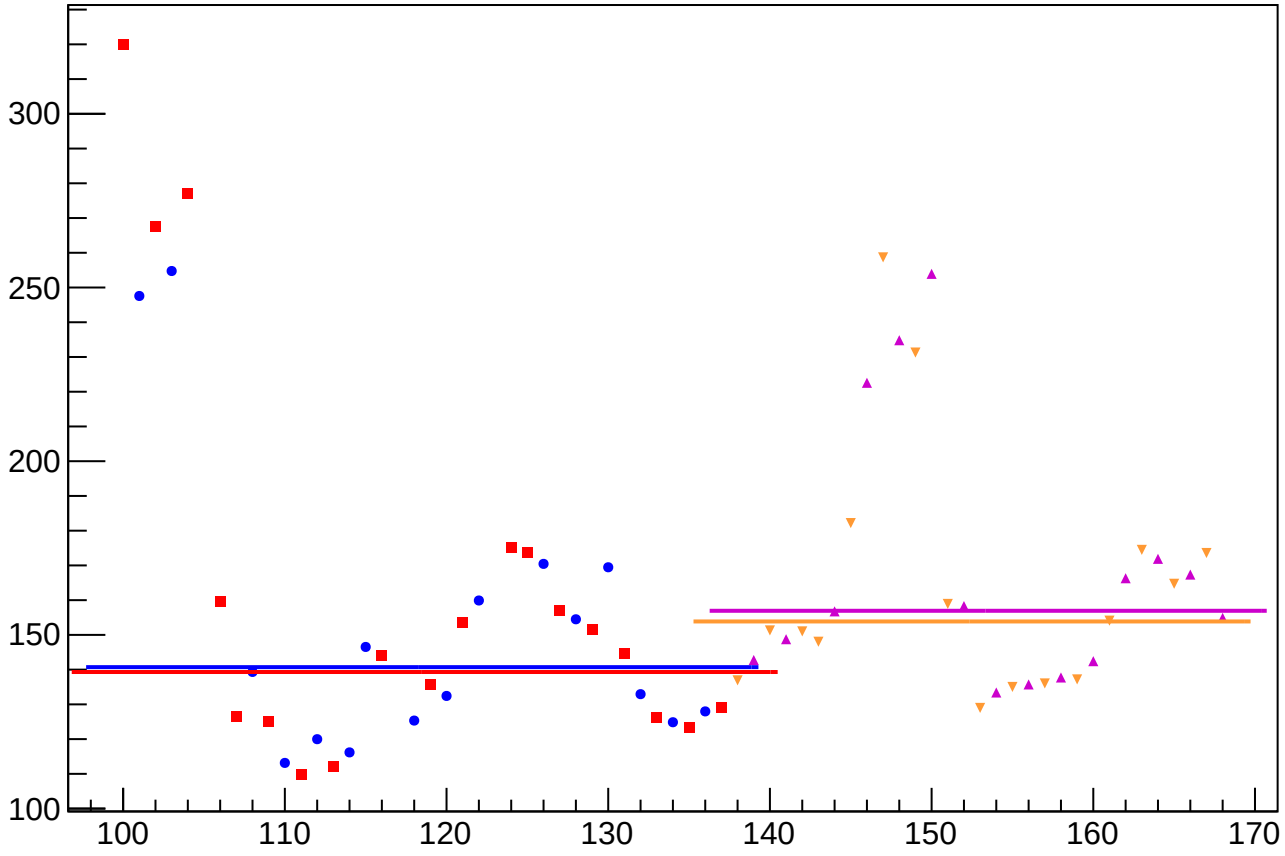
Left In: 7531.519+/-45.749 χ^2/NDF:16852.0/14

+ sign -1573.931+/-34.498 χ^2/NDF: 31682.6/31

All: 1818.710+/-24.485 χ^2/NDF: 78807.9/65

- sign 5262.753+/-34.759 χ^2/NDF: 27636.4/33

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 153.869+/-0.031 χ^2/NDF:717833.7/15

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

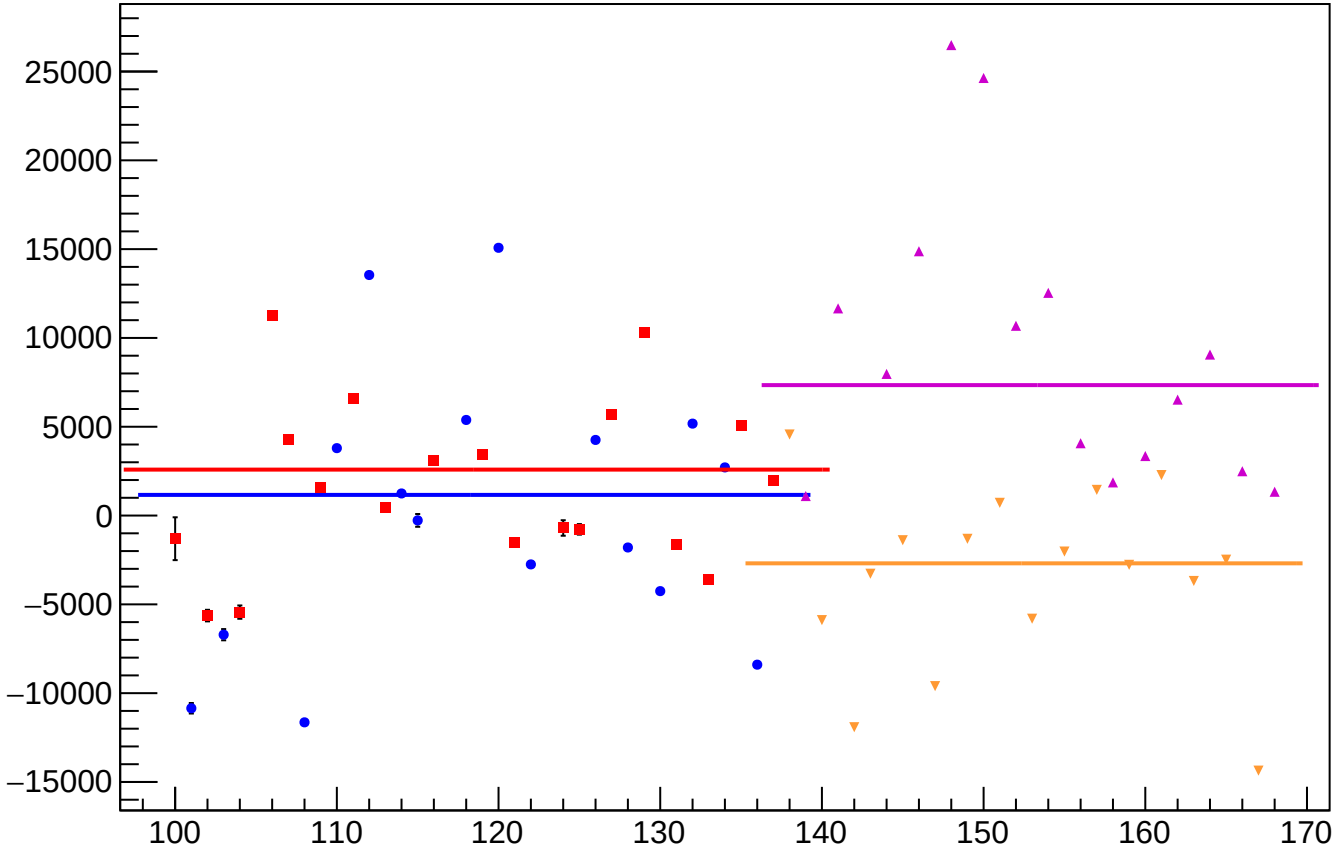
Left In: 156.940+/-0.032 χ^2/NDF:776798.9/14

+ sign 148.666+/-0.024 χ^2/NDF: 1462963.9/31

All: 149.075+/-0.017 χ^2/NDF: 3168107.5/65

- sign 149.490+/-0.025 χ^2/NDF: 1704578.2/33

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2690.328+/-39.171 χ^2/NDF:13703.7/15

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

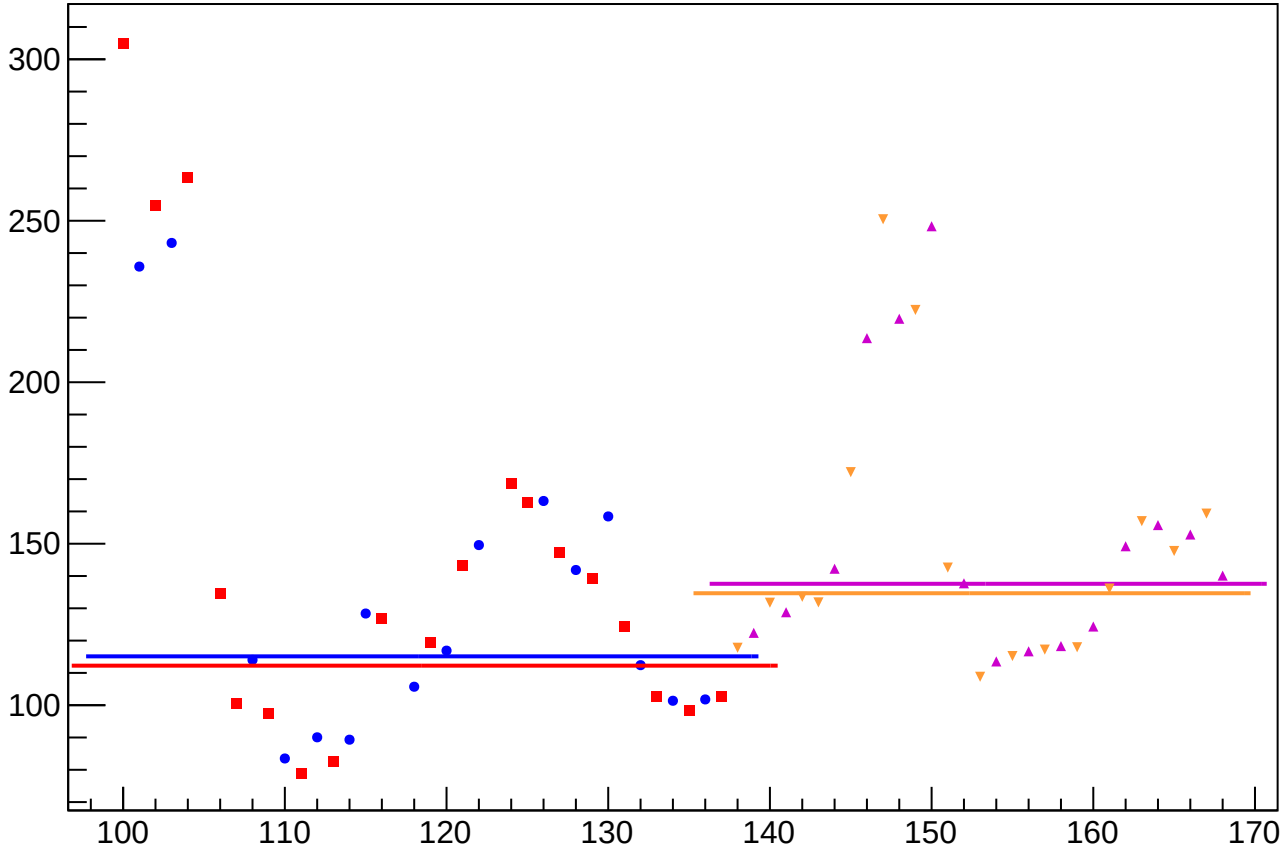
Left In: 7343.881+/-40.503 χ^2/NDF:22315.4/14

+ sign -1067.799+/-29.804 χ^2/NDF: 48532.7/31

All: 2046.039+/-21.101 χ^2/NDF: 107121.2/65

- sign 5175.544+/-29.879 χ^2/NDF: 36702.8/33

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 134.667+/-0.028 χ^2/NDF:1011779.4/15

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

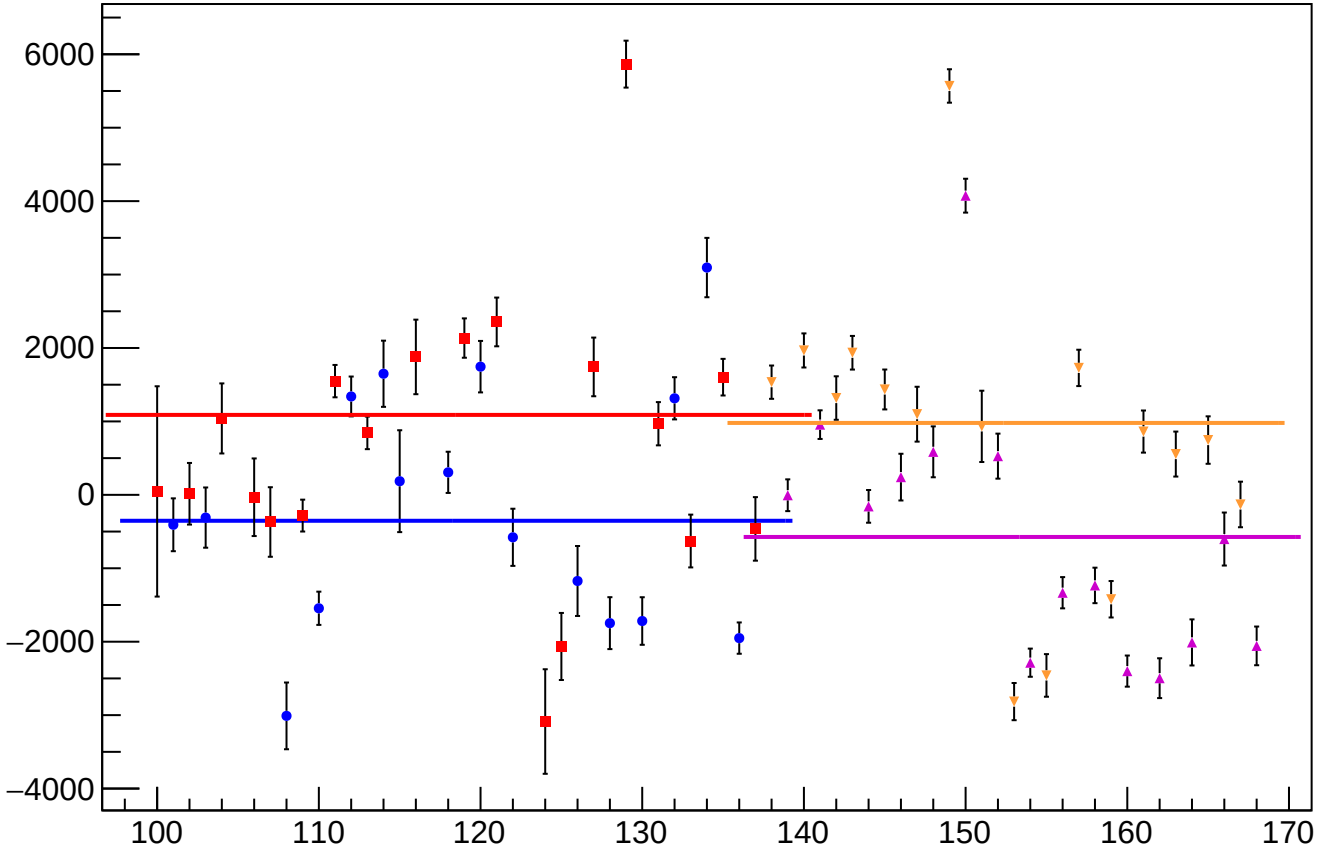
Left In: 137.590+/-0.029 χ^2/NDF:1066691.6/14

+ sign 126.439+/-0.021 χ^2/NDF: 2334358.1/31

All: 126.238+/-0.015 χ^2/NDF: 5086449.9/65

- sign 126.036+/-0.021 χ^2/NDF: 2751909.7/33

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 979.354+/-68.124 χ^2/NDF:934.8/15

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

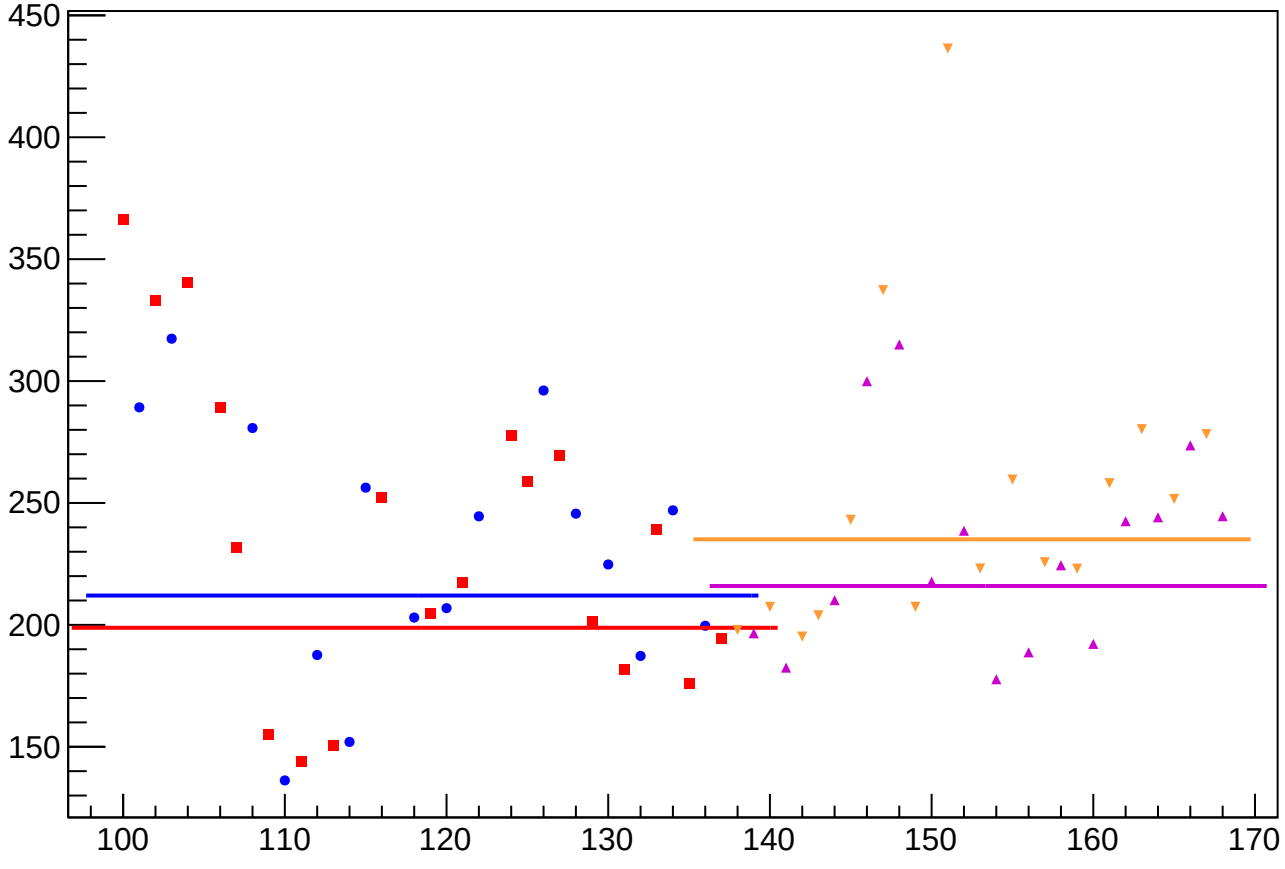
Left In: -573.548+/-63.257 χ^2/NDF:785.8/14

+ sign 436.298+/-52.435 χ^2/NDF: 1452.6/31

All: 256.982+/-35.697 χ^2/NDF: 2988.0/65

- sign 102.081+/-48.735 χ^2/NDF: 1513.6/33

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 235.087+/-0.048 χ^2/NDF:806902.3/15

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

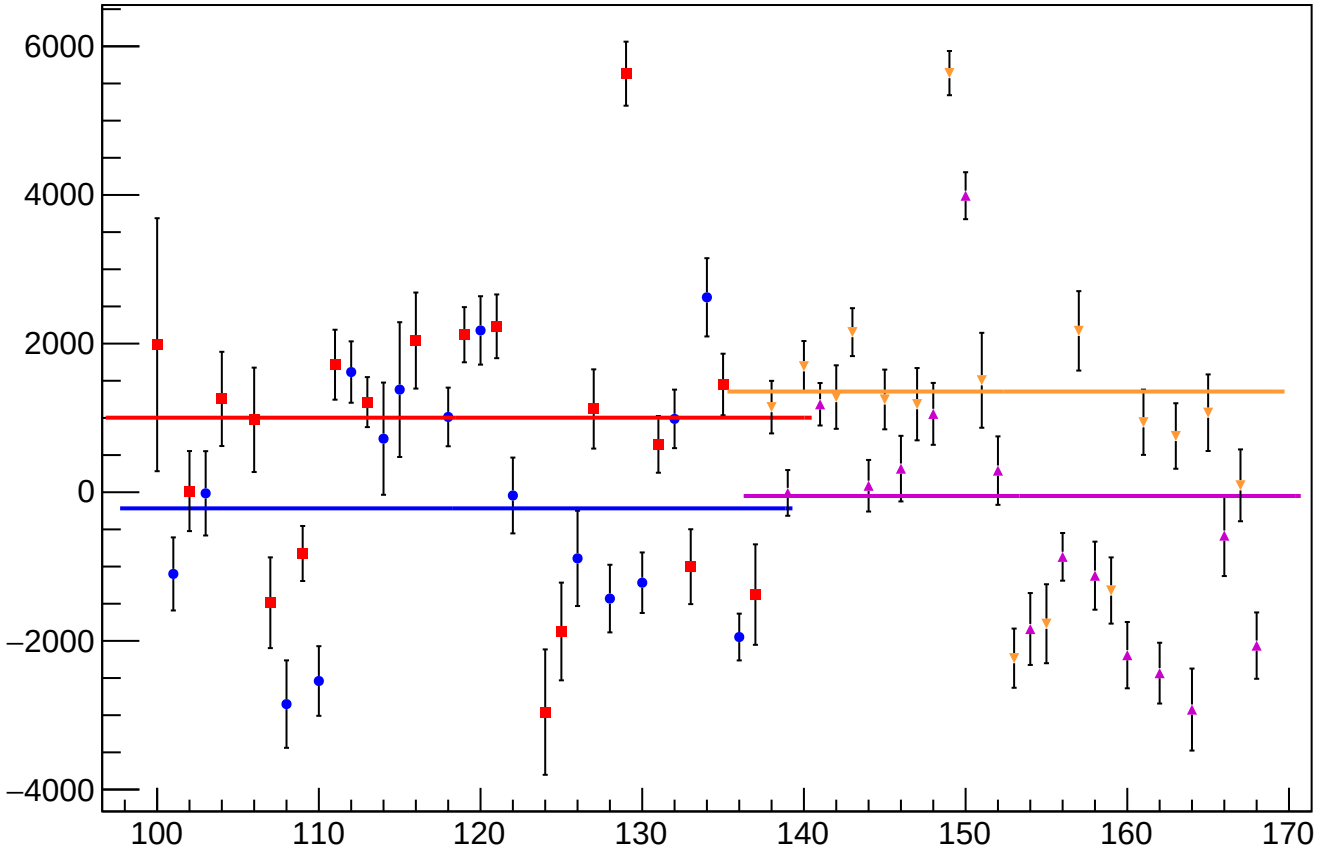
Left In: 215.945+/-0.045 χ^2/NDF:639988.7/14

+ sign 225.689+/-0.037 χ^2/NDF: 1590653.8/31

All: 216.724+/-0.025 χ^2/NDF: 3374177.6/65

- sign 208.981+/-0.034 χ^2/NDF: 1674568.7/33

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1354.951+/-103.857 χ^2/NDF:379.4/15

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

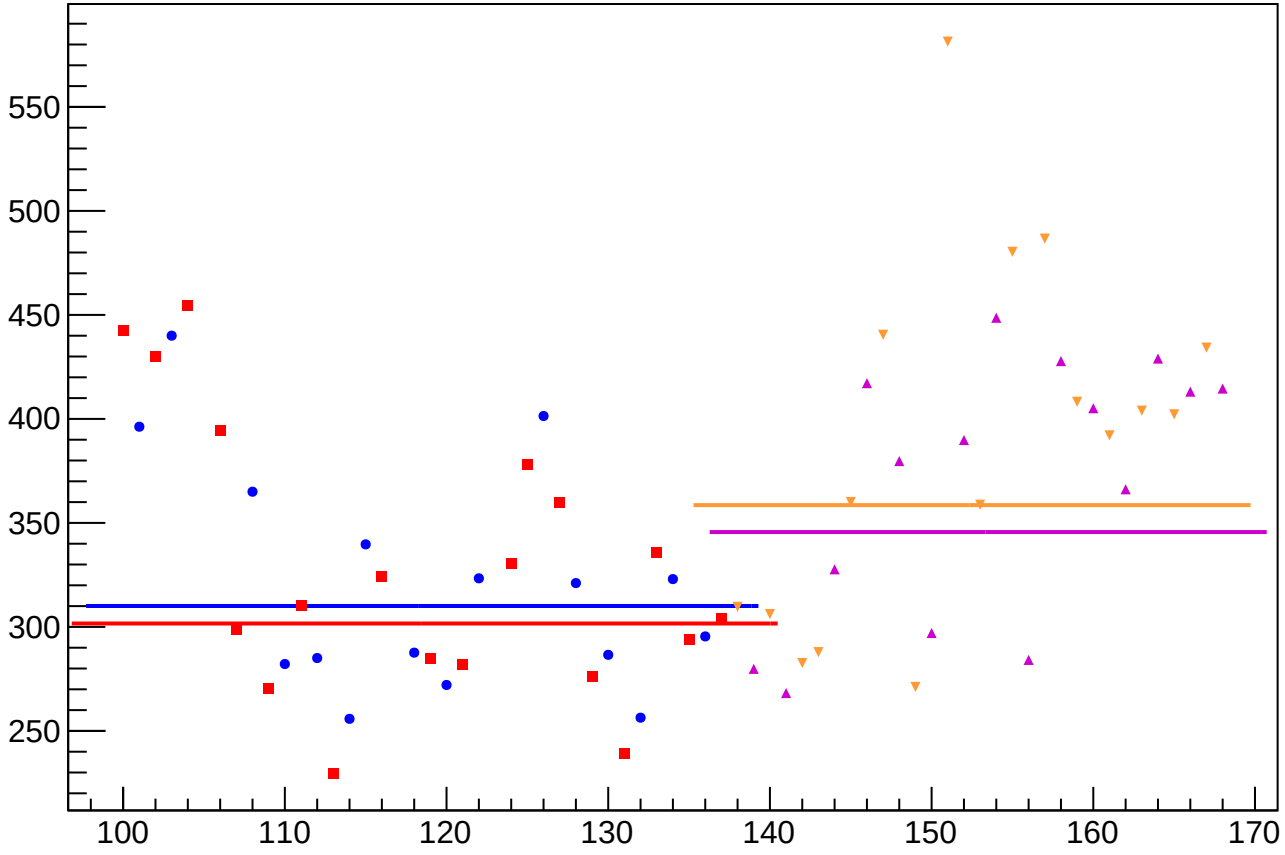
Left In: -50.358+/-100.915 χ^2/NDF:321.9/14

+ sign 668.064+/-77.929 χ^2/NDF: 671.7/31

All: 537.977+/-54.151 χ^2/NDF: 1301.6/65

- sign 416.512+/-75.301 χ^2/NDF: 624.6/33

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 358.557+/-0.073 χ^2/NDF:1059359.1/15

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

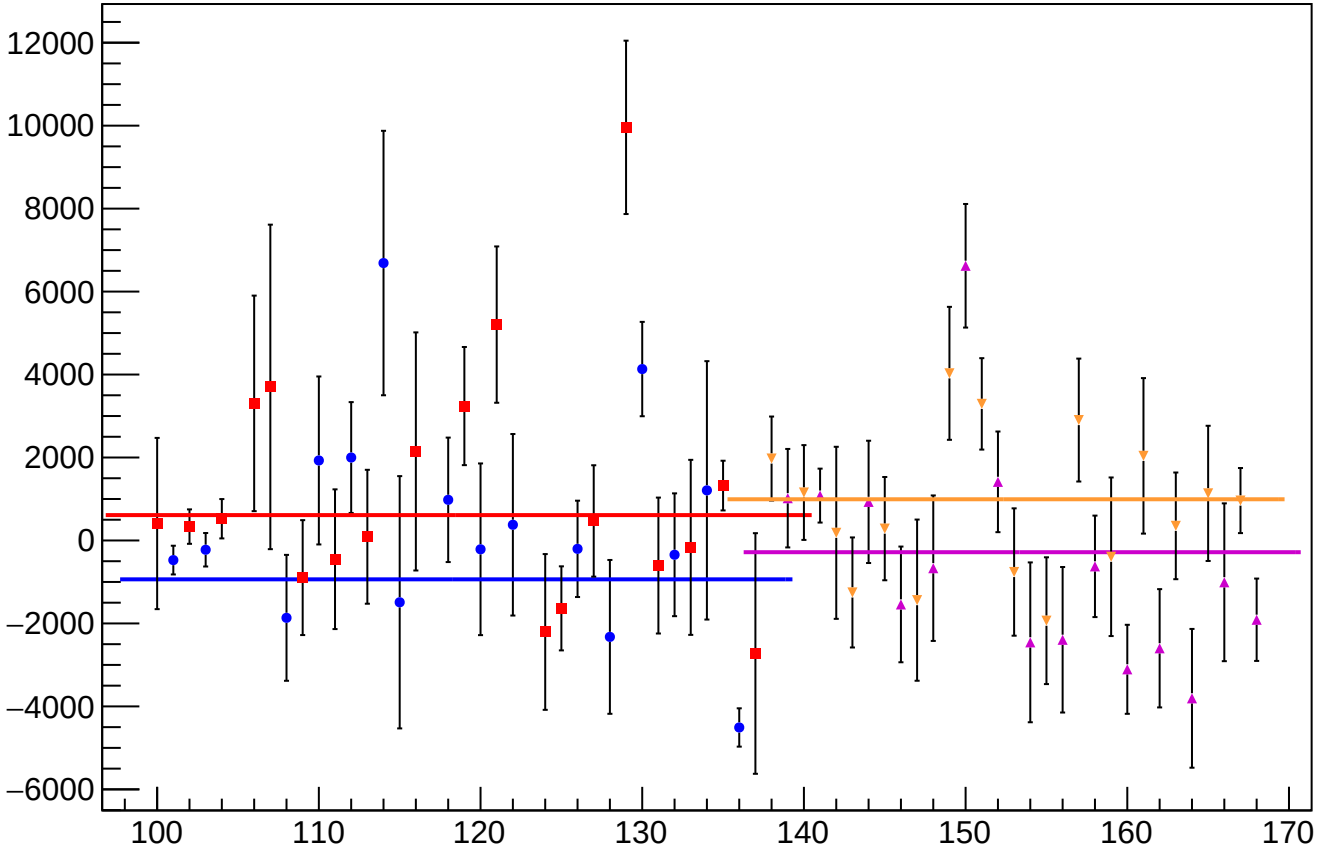
Left In: 345.604+/-0.071 χ^2/NDF:768666.3/14

+ sign 337.365+/-0.055 χ^2/NDF: 1573193.1/31

All: 331.549+/-0.038 χ^2/NDF: 3051553.6/65

- sign 326.118+/-0.053 χ^2/NDF: 1456814.9/33

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 993.248+/-330.798 χ^2/NDF:21.5/15

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

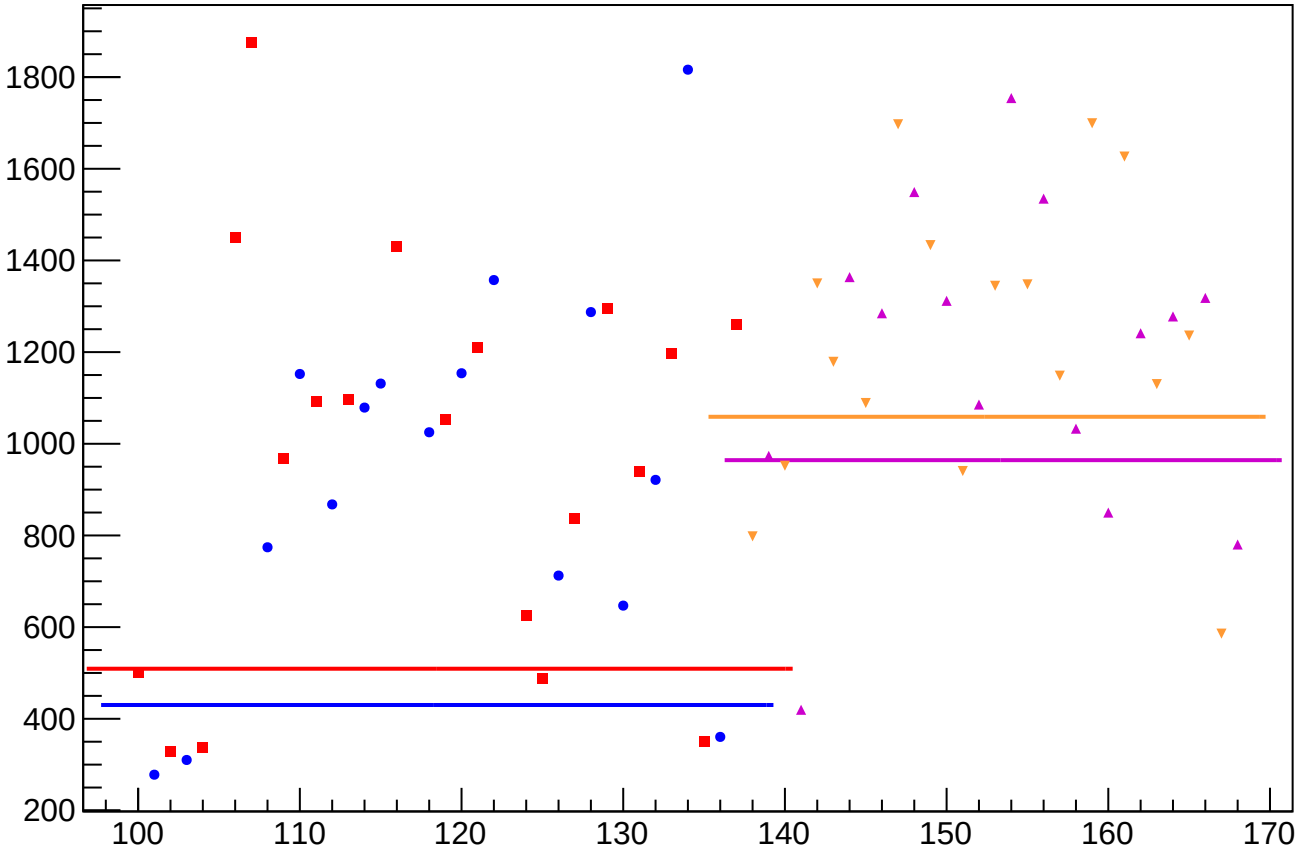
Left In: -282.680+/-319.801 χ^2/NDF:50.2/14

+ sign -402.428+/-174.078 χ^2/NDF: 147.4/31

All: -78.318+/-127.854 χ^2/NDF: 254.3/65

- sign 301.295+/-188.395 χ^2/NDF: 99.4/33

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1058.909+/-0.234 χ^2/NDF:1868407.1/15

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

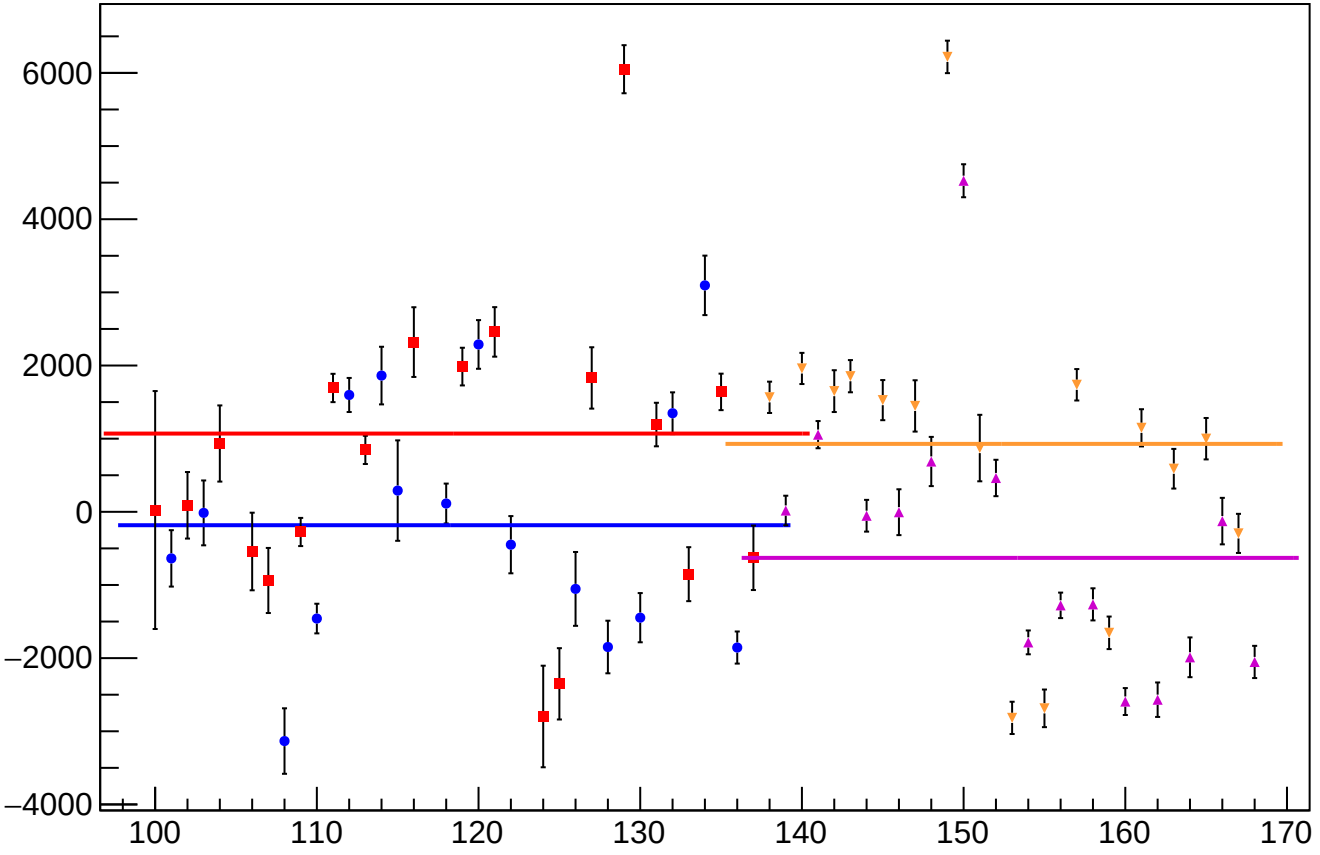
Left In: 964.285+/-0.226 χ^2/NDF:2868432.6/14

+ sign 604.241+/-0.123 χ^2/NDF: 10615554.2/31

All: 633.217+/-0.090 χ^2/NDF: 19921818.0/65

- sign 667.156+/-0.133 χ^2/NDF: 9185943.7/33

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 928.720+/-62.453 χ^2/NDF:1289.7/15

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

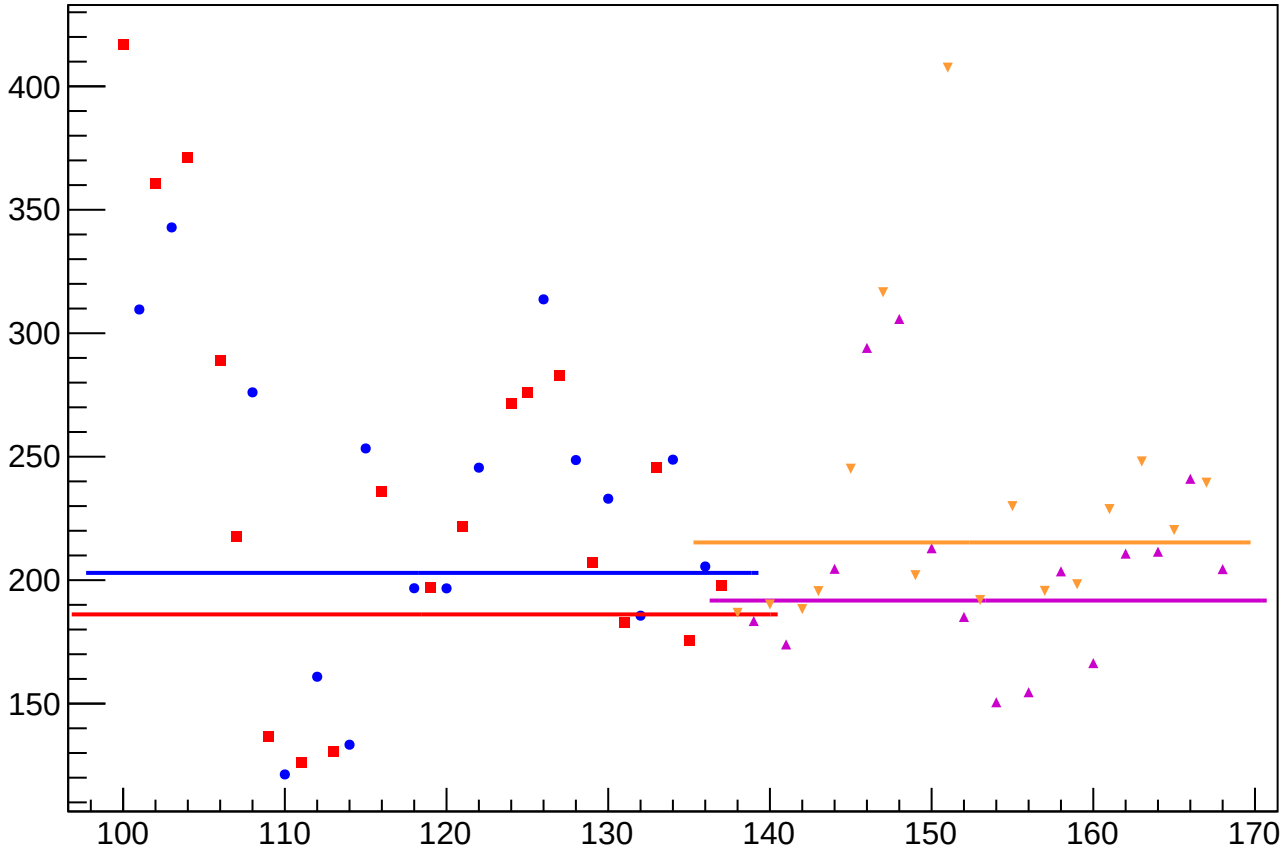
Left In: -629.664+/-56.582 χ^2/NDF:983.4/14

+ sign 506.846+/-49.197 χ^2/NDF: 1827.7/31

All: 233.483+/-33.098 χ^2/NDF: 3697.9/65

- sign 7.457+/-44.735 χ^2/NDF: 1813.9/33

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 215.277+/-0.044 χ^2/NDF:762001.0/15

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

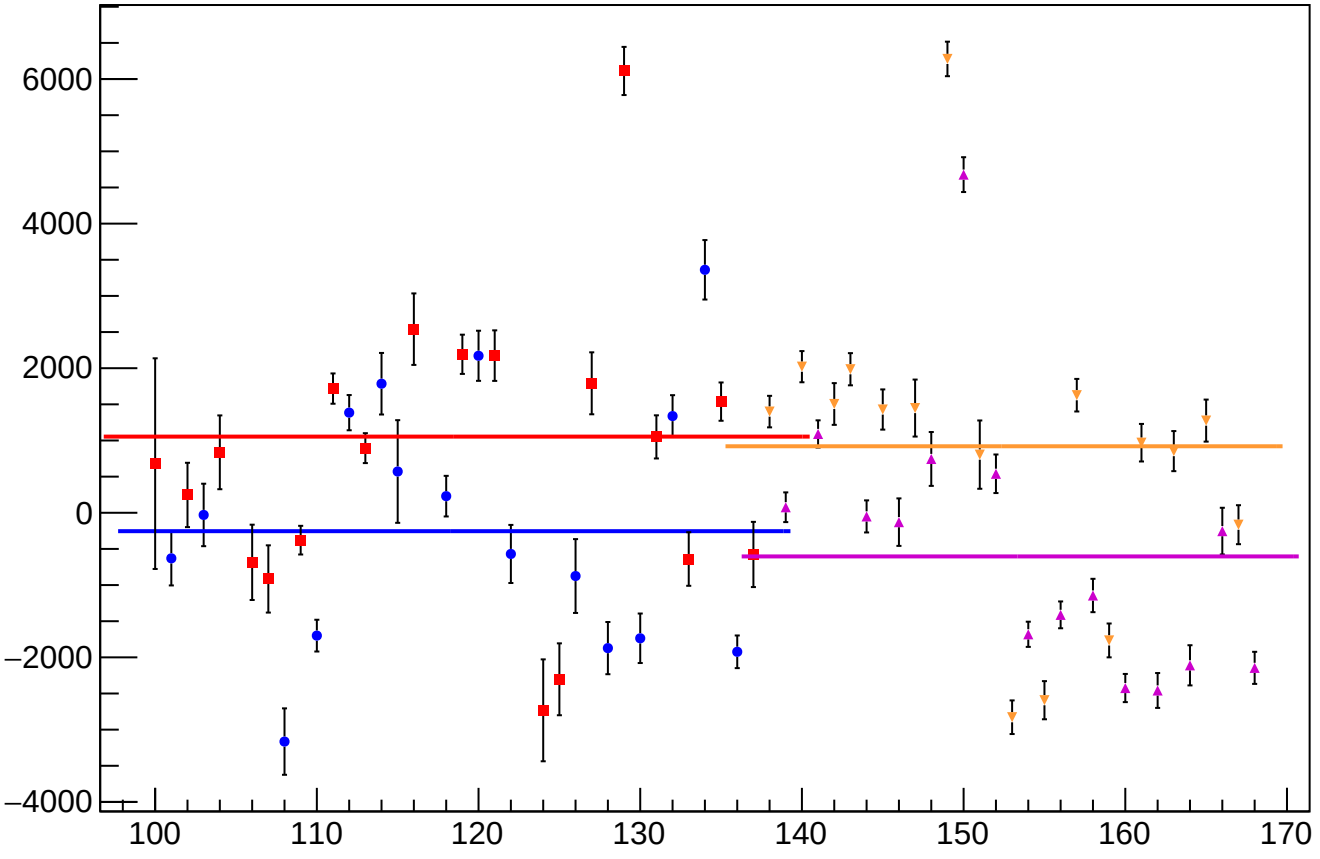
Left In: 191.739+/-0.040 χ^2/NDF:831605.5/14

+ sign 210.596+/-0.035 χ^2/NDF: 1863468.0/31

All: 199.122+/-0.023 χ^2/NDF: 4382833.6/65

- sign 189.635+/-0.032 χ^2/NDF: 2320639.9/33

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 920.042+/-64.510 χ^2/NDF:1162.8/15

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

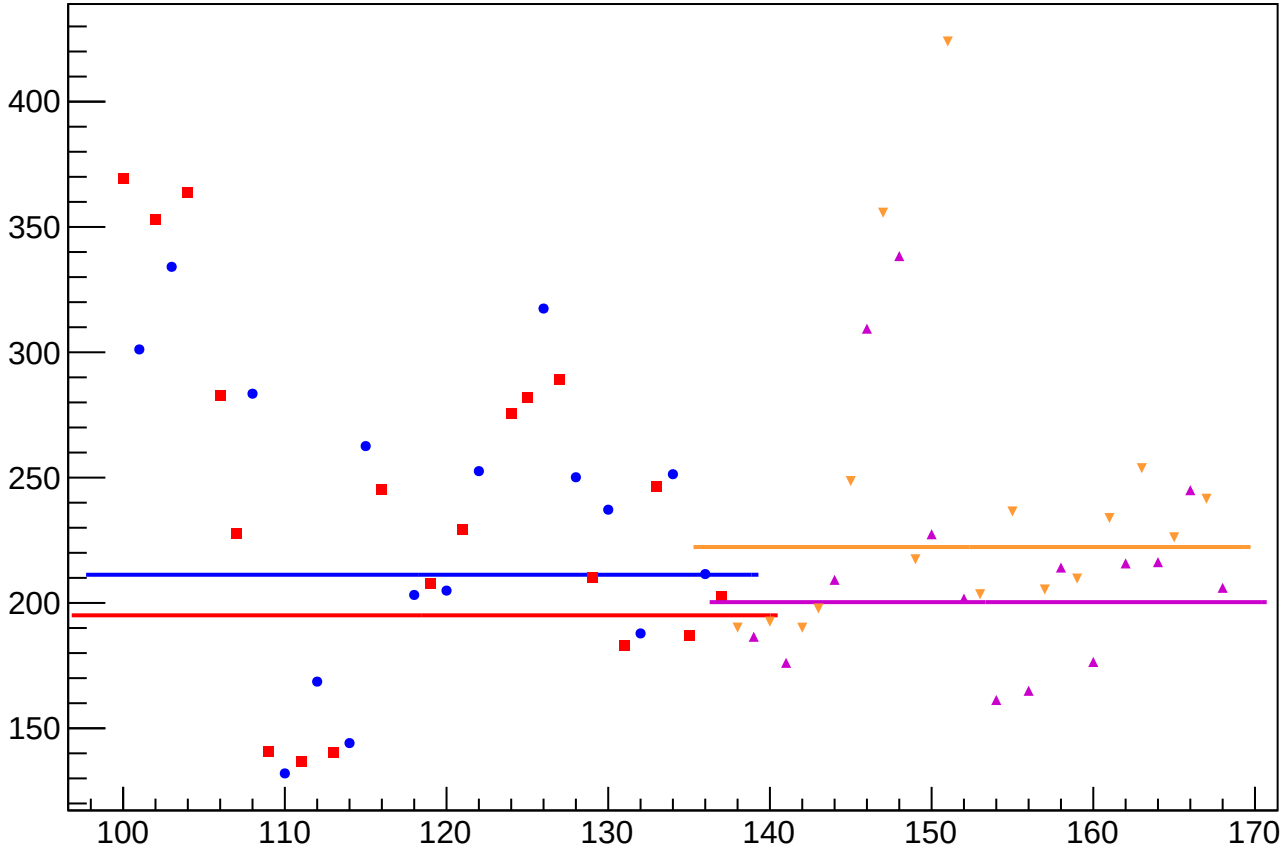
Left In: -603.704+/-59.023 χ^2/NDF:900.2/14

+ sign 474.323+/-50.816 χ^2/NDF: 1697.8/31

All: 227.671+/-34.349 χ^2/NDF: 3415.9/65

- sign 20.171+/-46.609 χ^2/NDF: 1674.7/33

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 222.313+/-0.046 χ^2/NDF:819102.0/15

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

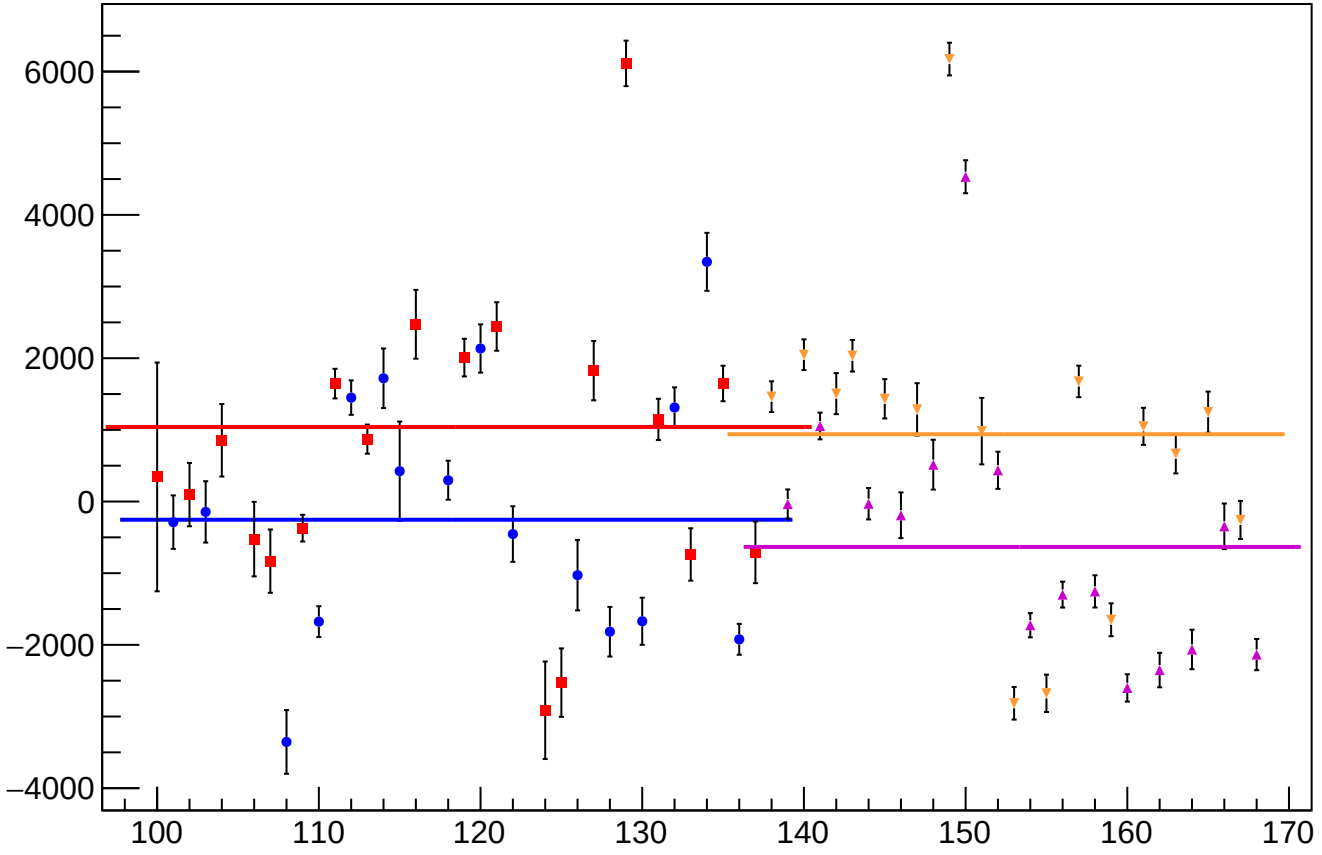
Left In: 200.321+/-0.042 χ^2/NDF:830337.4/14

+ sign 218.116+/-0.036 χ^2/NDF: 1725772.5/31

All: 207.376+/-0.024 χ^2/NDF: 4011456.7/65

- sign 198.341+/-0.033 χ^2/NDF: 2121195.9/33

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 939.434+/-63.342 χ^2/NDF:1220.4/15

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

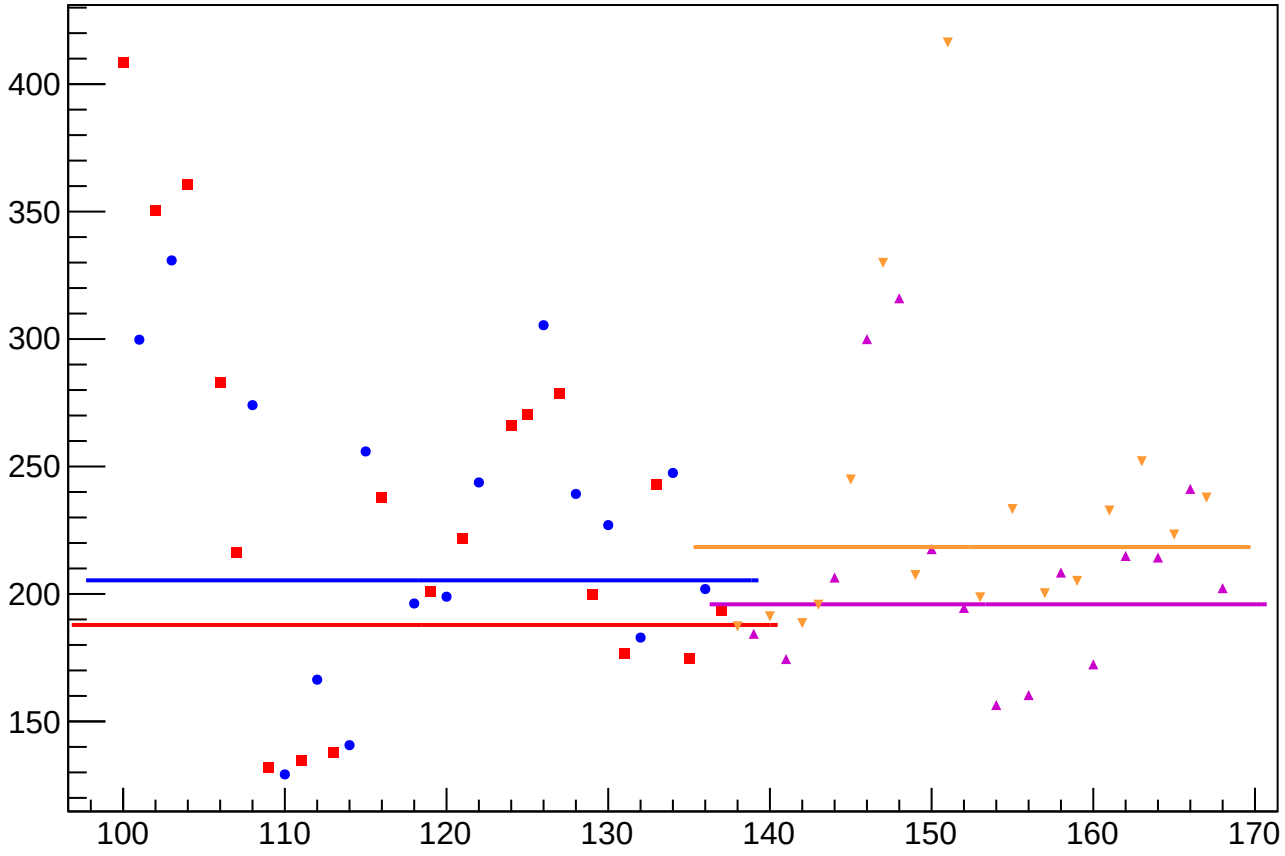
Left In: -633.489+/-57.727 χ^2/NDF:926.0/14

+ sign 481.116+/-49.713 χ^2/NDF: 1788.8/31

All: 222.203+/-33.510 χ^2/NDF: 3619.4/65

- sign 6.588+/-45.366 χ^2/NDF: 1780.9/33

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 218.400+/-0.045 χ^2/NDF:779296.5/15

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

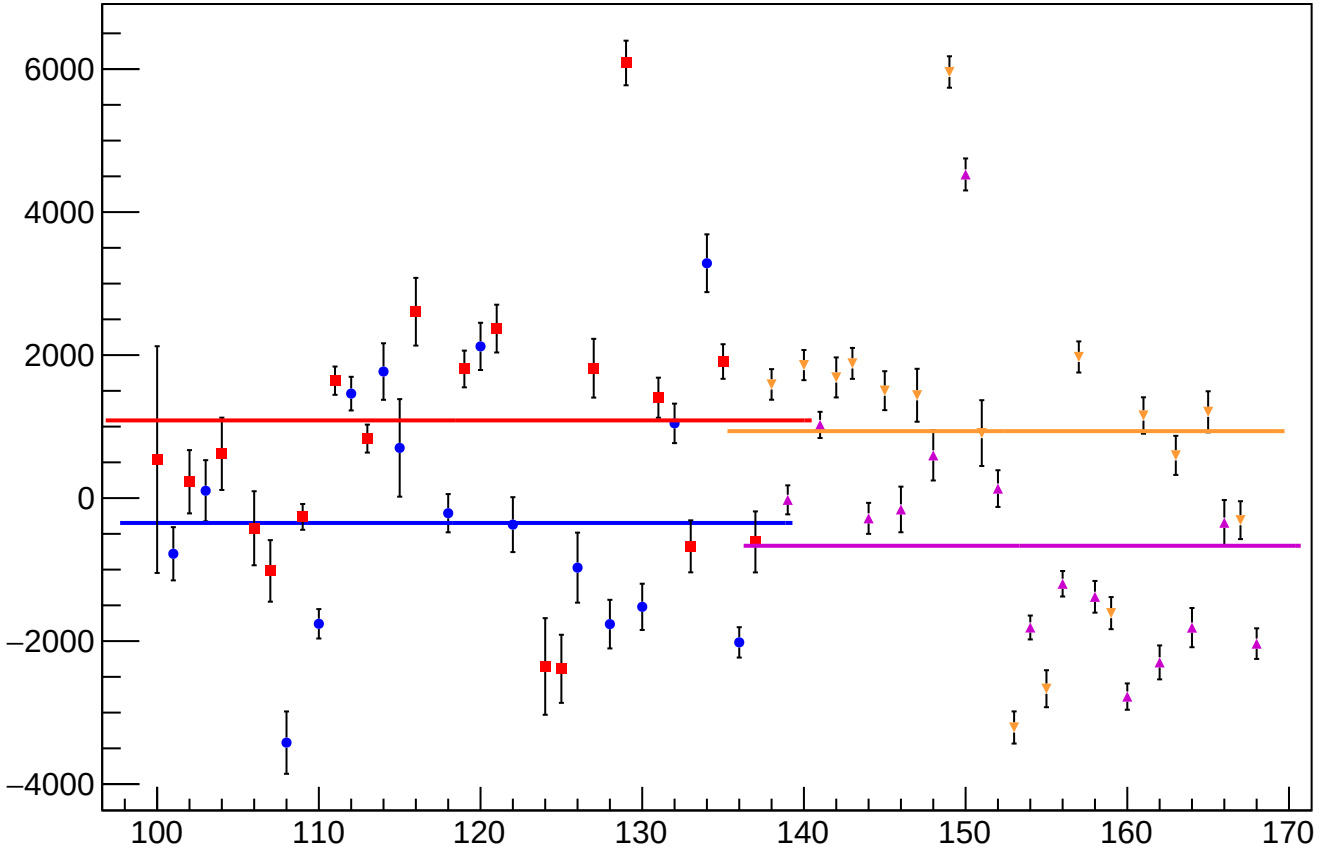
Left In: 195.937+/-0.041 χ^2/NDF:793226.9/14

+ sign 213.385+/-0.035 χ^2/NDF: 1689339.9/31

All: 202.178+/-0.024 χ^2/NDF: 4020939.8/65

- sign 192.844+/-0.032 χ^2/NDF: 2145292.6/33

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 936.474+/-62.572 χ^2/NDF:1292.2/15

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

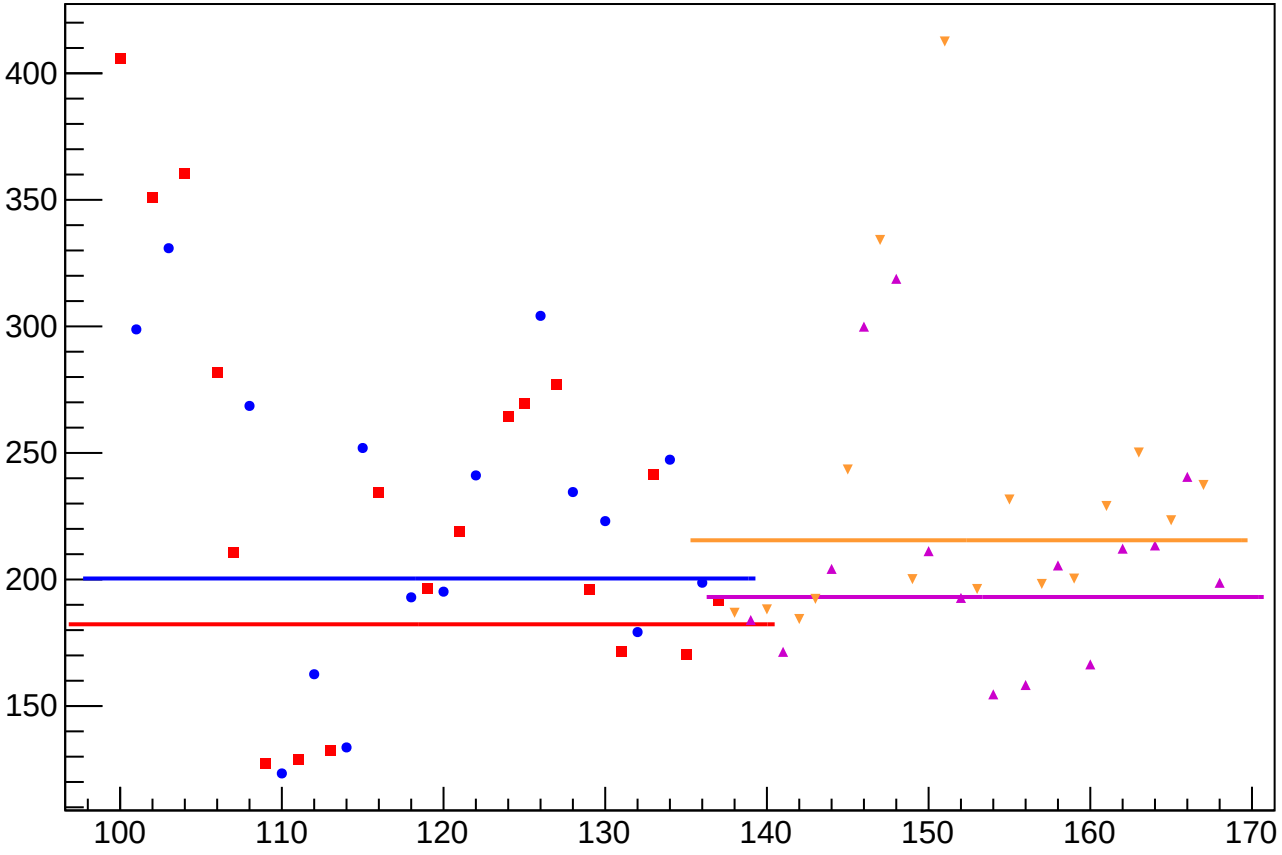
Left In: -666.787+/-56.944 χ^2/NDF:965.8/14

+ sign 438.087+/-48.946 χ^2/NDF: 1901.4/31

All: 205.775+/-32.948 χ^2/NDF: 3803.4/65

- sign 13.292+/-44.553 χ^2/NDF: 1860.8/33

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 215.494+/-0.044 χ^2/NDF:816885.2/15

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

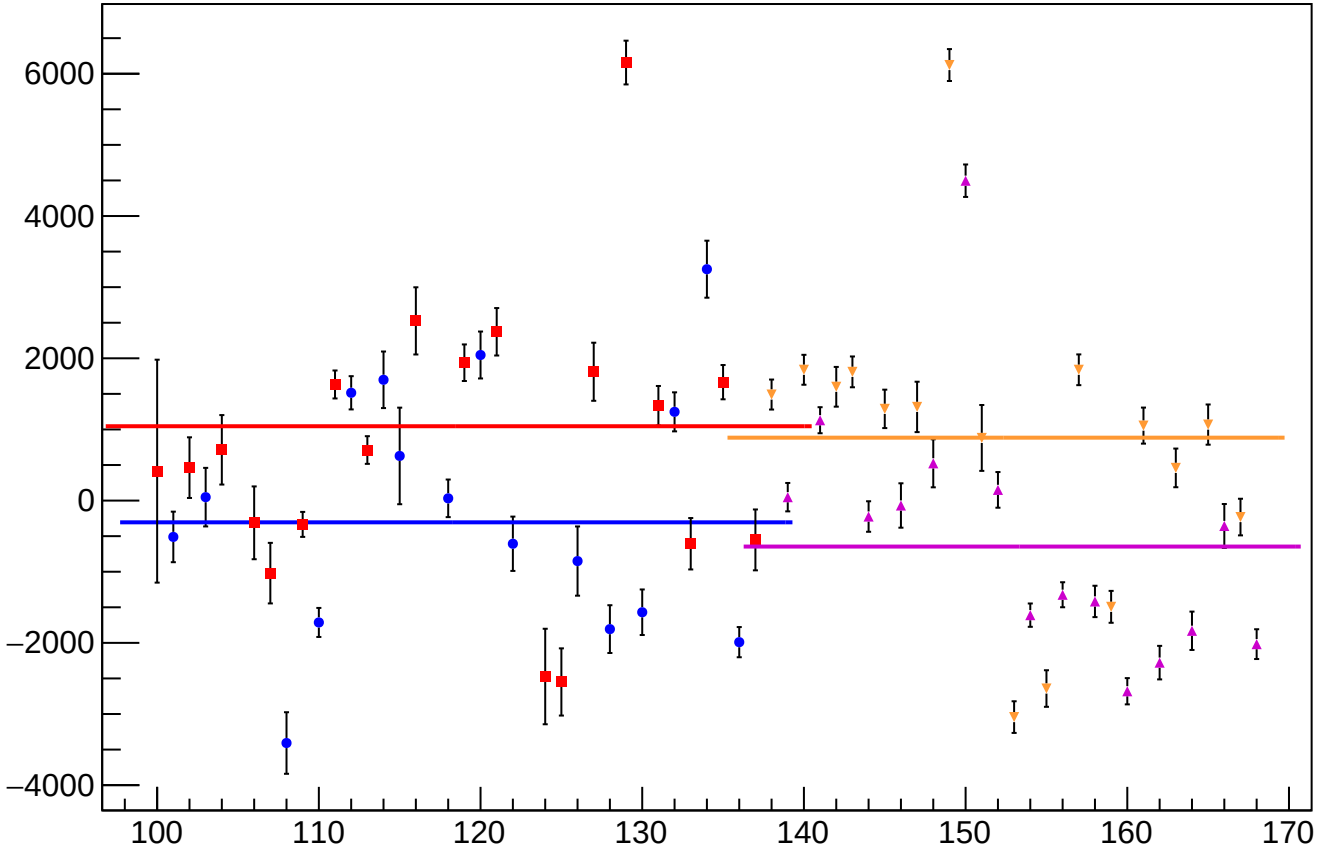
Left In: 193.089+/-0.040 χ^2/NDF:831428.7/14

+ sign 209.635+/-0.035 χ^2/NDF: 1821062.3/31

All: 198.298+/-0.023 χ^2/NDF: 4323727.9/65

- sign 188.905+/-0.032 χ^2/NDF: 2306463.9/33

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 884.374+/-62.158 χ^2/NDF:1256.5/15

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

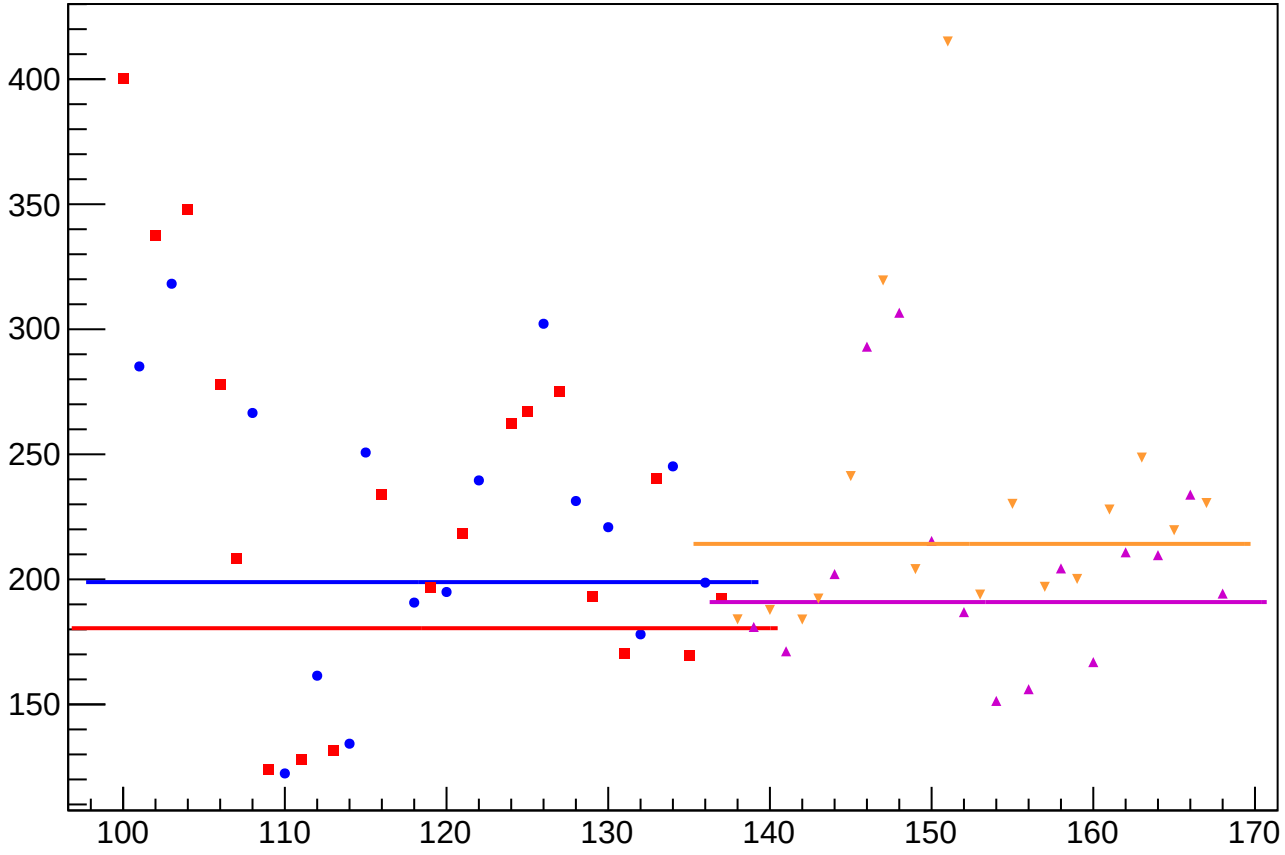
Left In: -646.264+/-56.311 χ^2/NDF:937.6/14

+ sign 421.217+/-48.579 χ^2/NDF: 1850.9/31

All: 195.041+/-32.643 χ^2/NDF: 3729.7/65

- sign 8.844+/-44.077 χ^2/NDF: 1839.2/33

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 214.188+/-0.044 χ^2/NDF:785782.8/15

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

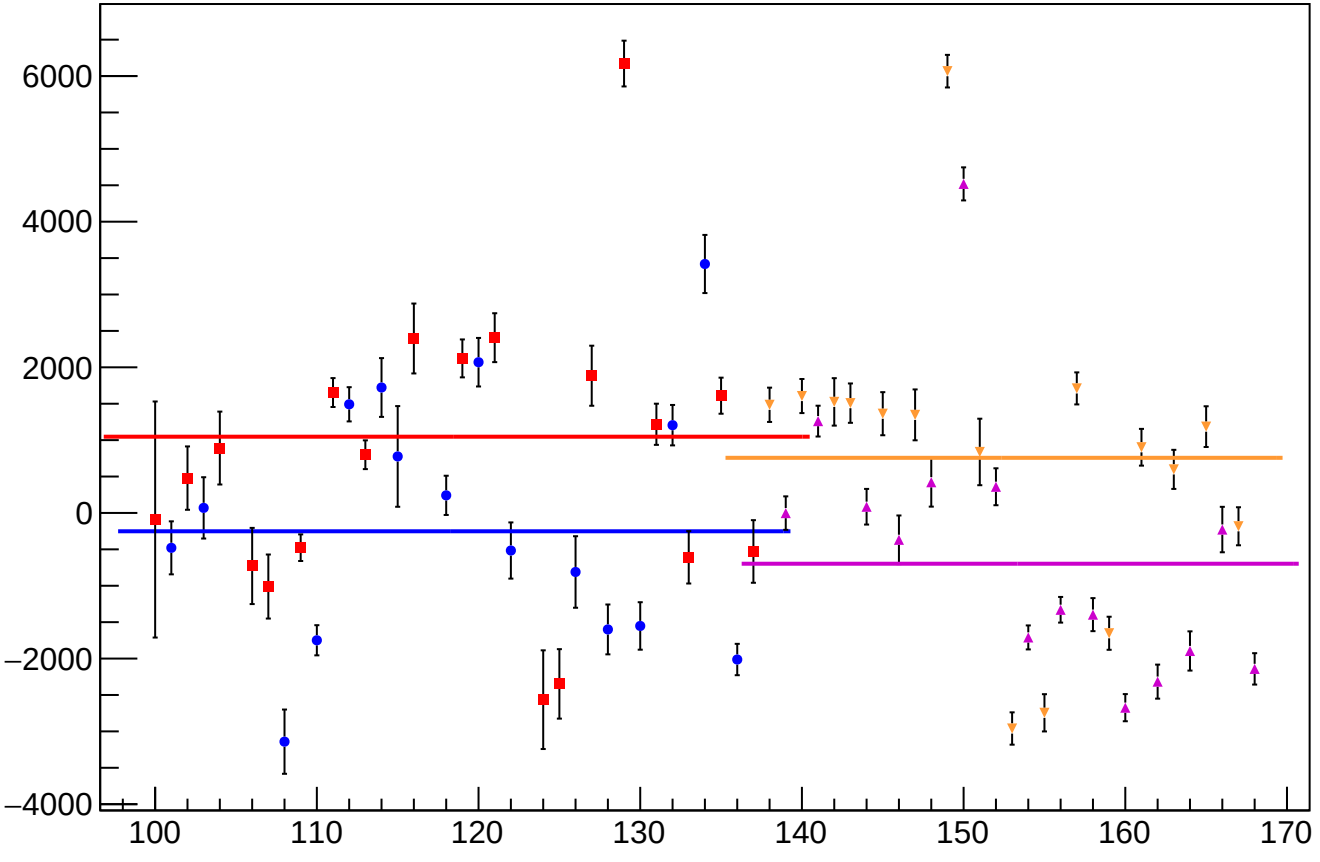
Left In: 190.921+/-0.040 χ^2/NDF:805324.2/14

+ sign 208.239+/-0.034 χ^2/NDF: 1745618.5/31

All: 196.521+/-0.023 χ^2/NDF: 4224218.7/65

- sign 186.874+/-0.031 χ^2/NDF: 2266426.4/33

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 757.117+/-65.040 χ^2/NDF:1220.8/15

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

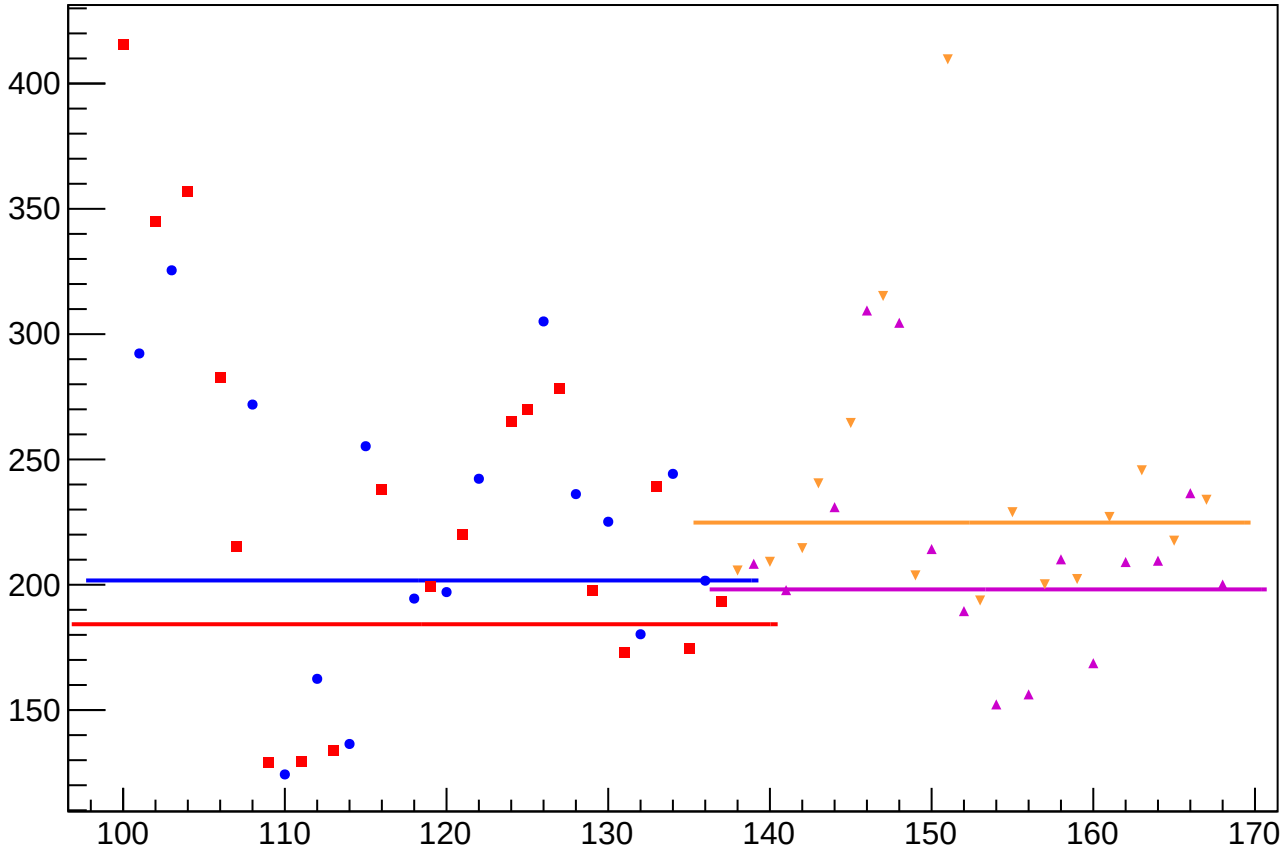
Left In: -697.508+/-58.537 χ^2/NDF:949.7/14

+ sign 349.370+/-50.206 χ^2/NDF: 1759.3/31

All: 154.443+/-33.701 χ^2/NDF: 3635.5/65

- sign -5.428+/-45.468 χ^2/NDF: 1848.8/33

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 224.808+/-0.046 χ^2/NDF:646686.6/15

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

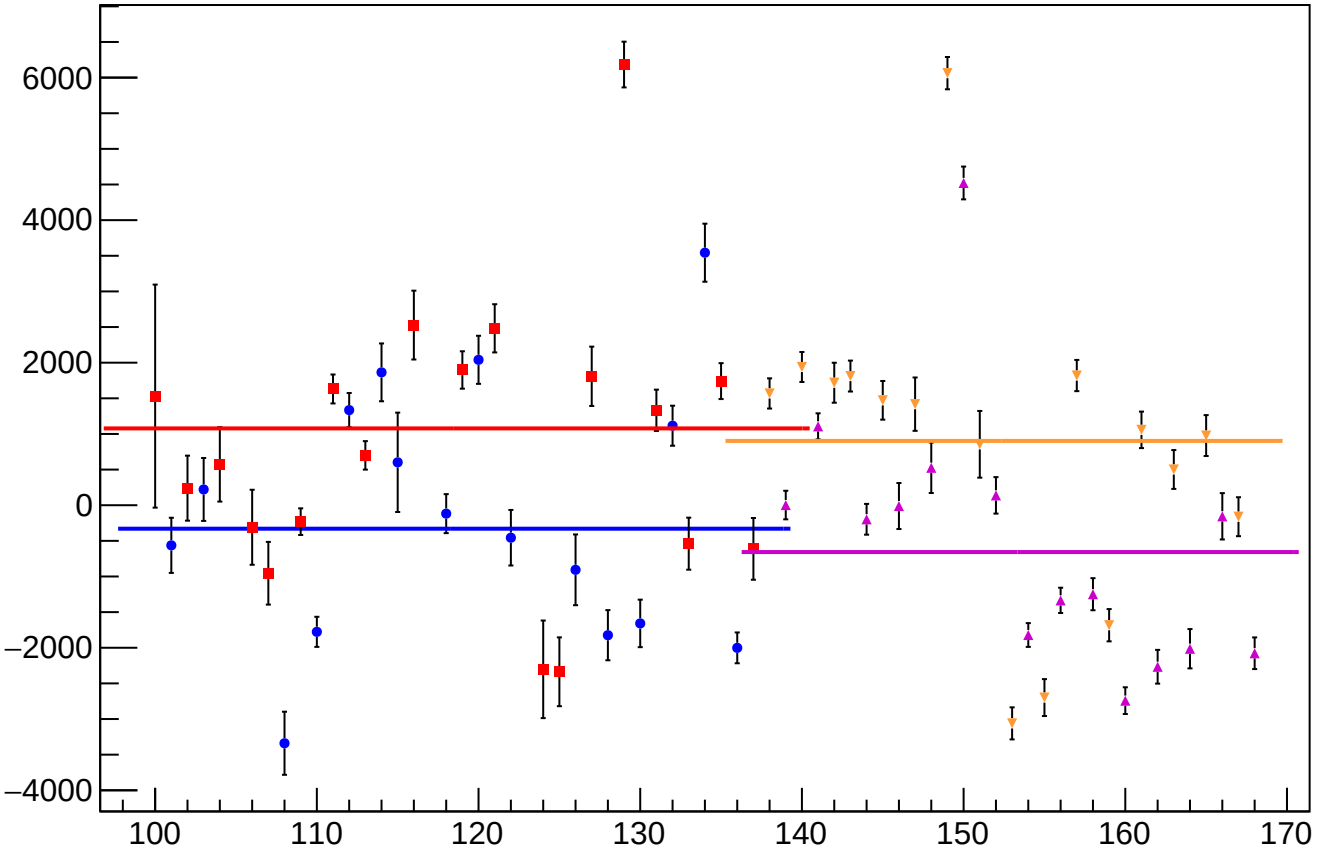
Left In: 198.143+/-0.041 χ^2/NDF:837885.1/14

+ sign 215.474+/-0.036 χ^2/NDF: 1672807.3/31

All: 202.923+/-0.024 χ^2/NDF: 4186693.4/65

- sign 192.629+/-0.032 χ^2/NDF: 2286377.8/33

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 902.625+/-62.891 χ^2/NDF:1254.3/15

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

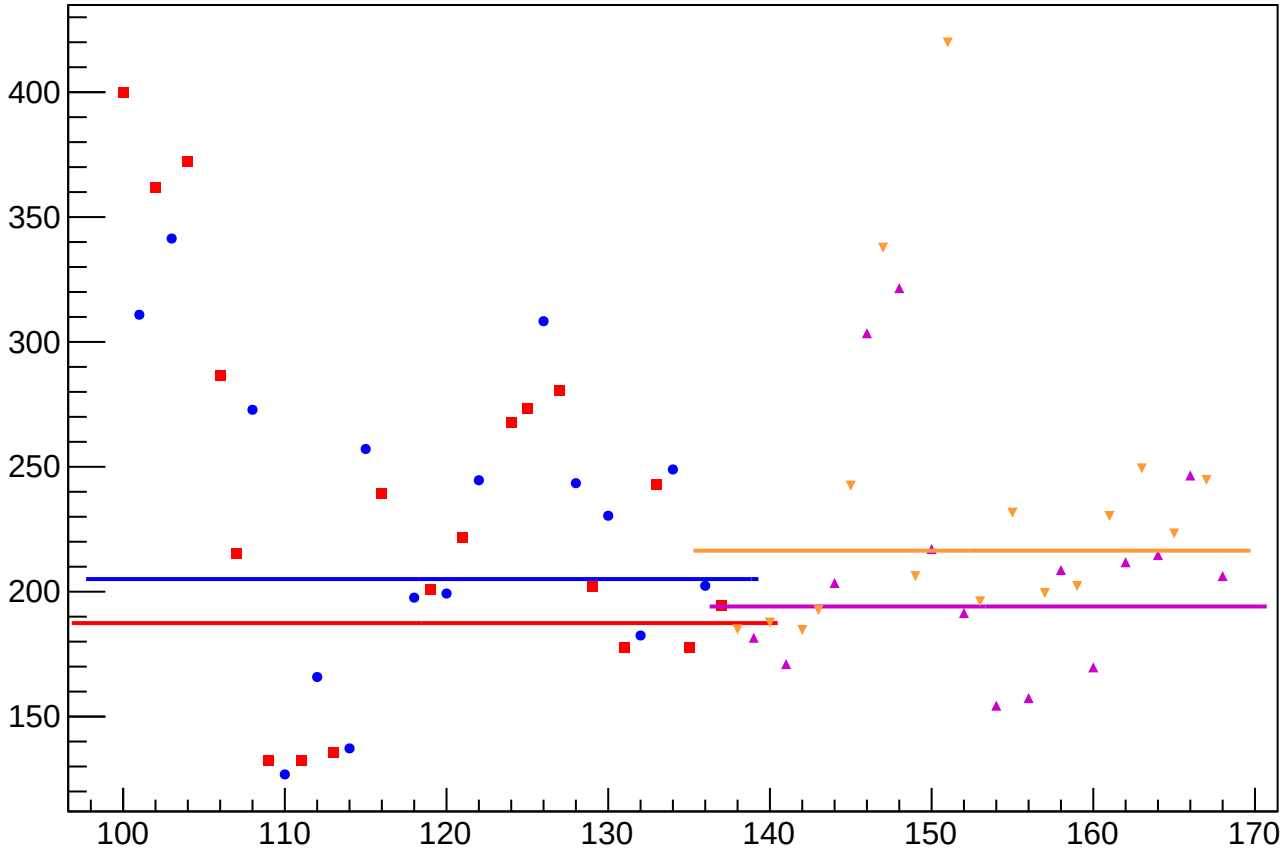
Left In: -657.259+/-57.307 χ^2/NDF:947.3/14

+ sign 434.713+/-49.528 χ^2/NDF: 1836.4/31

All: 197.294+/-33.375 χ^2/NDF: 3675.0/65

- sign -0.188+/-45.171 χ^2/NDF: 1796.5/33

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 216.427+/-0.044 χ^2/NDF:842583.9/15

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

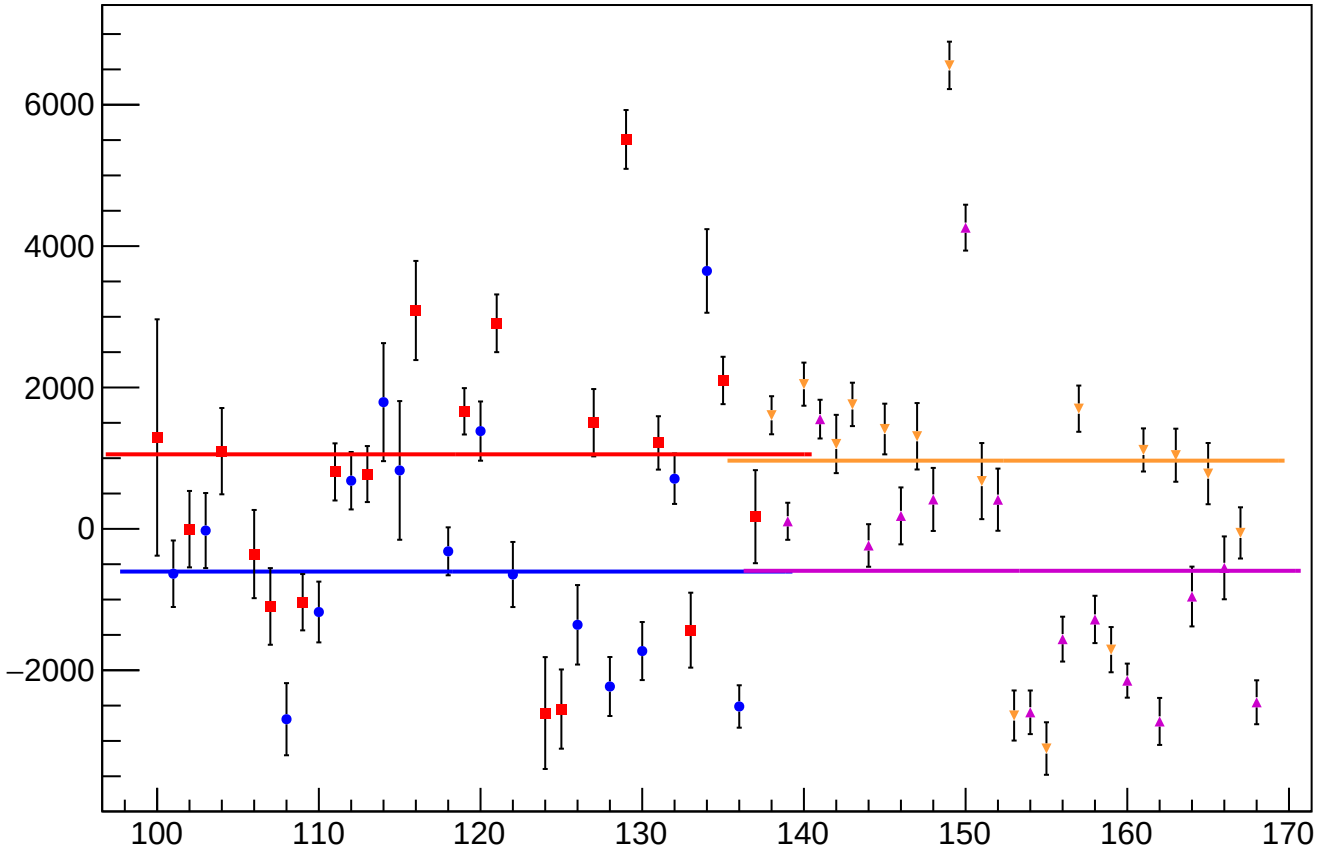
Left In: 194.074+/-0.041 χ^2/NDF:873563.7/14

+ sign 212.107+/-0.035 χ^2/NDF: 1830481.7/31

All: 200.889+/-0.024 χ^2/NDF: 4312961.0/65

- sign 191.559+/-0.032 χ^2/NDF: 2294542.6/33

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 965.116+/-87.432 χ^2/NDF:612.7/15

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

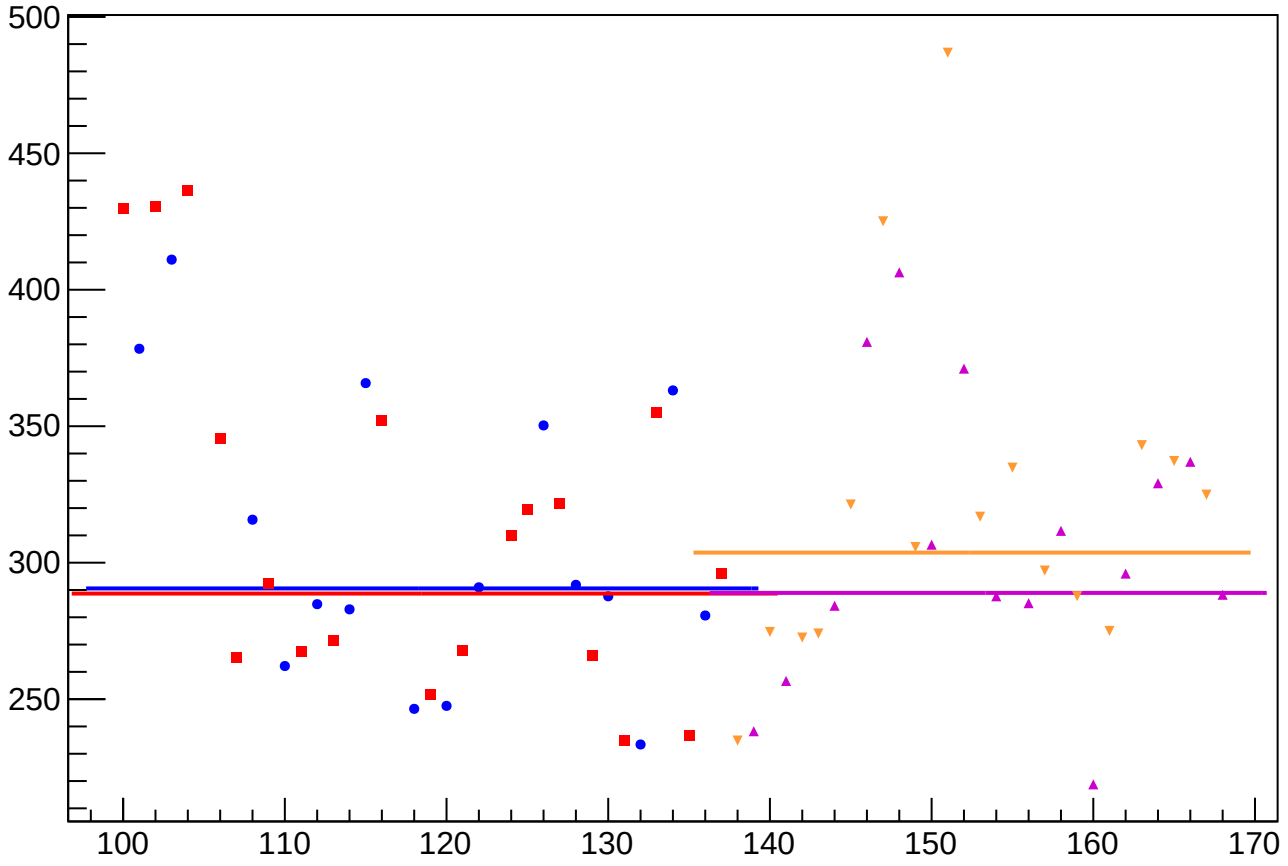
Left In: -593.197+/-84.091 χ^2/NDF:482.6/14

+ sign 362.333+/-68.611 χ^2/NDF: 929.9/31

All: 189.118+/-47.719 χ^2/NDF: 1867.0/65

- sign 26.831+/-66.411 χ^2/NDF: 924.7/33

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 303.699+/-0.062 χ^2/NDF:629991.5/15

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

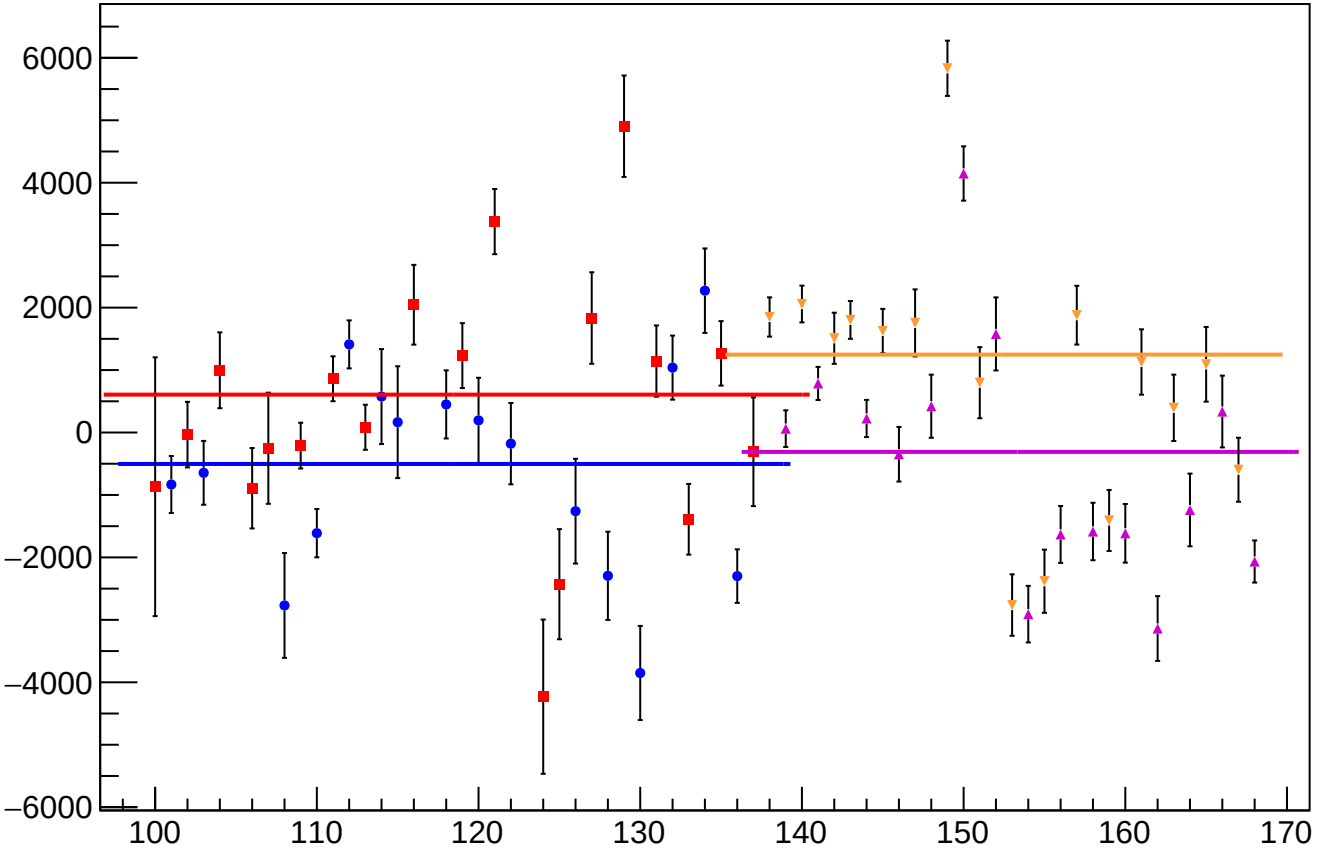
Left In: 288.929+/-0.059 χ^2/NDF:643131.1/14

+ sign 298.653+/-0.049 χ^2/NDF: 1007133.4/31

All: 293.586+/-0.034 χ^2/NDF: 2160499.5/65

- sign 288.837+/-0.047 χ^2/NDF: 1132232.1/33

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1247.358+/-106.148 χ^2/NDF:290.0/15

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

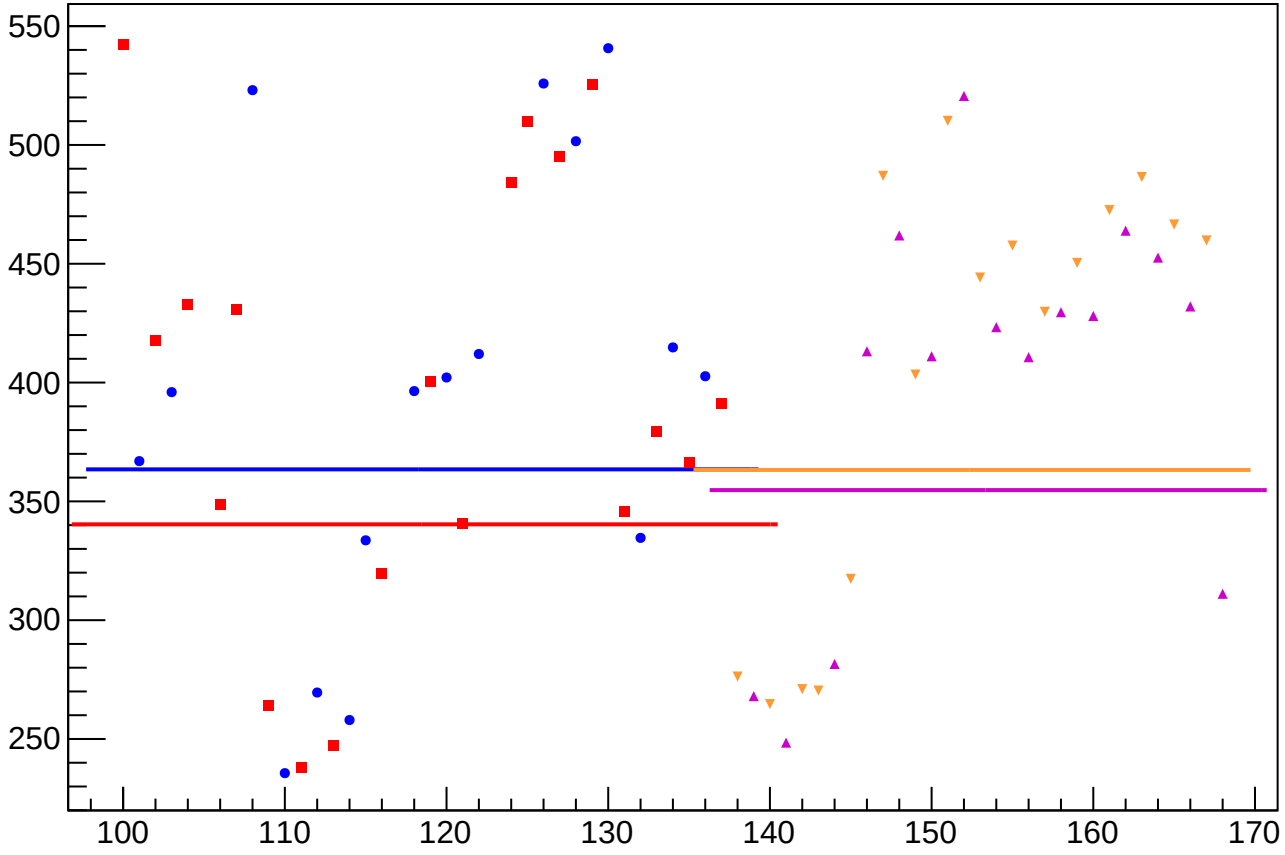
Left In: -310.444+/-104.318 χ^2/NDF:256.9/14

+ sign 608.518+/-84.597 χ^2/NDF: 507.6/31

All: 318.141+/-58.606 χ^2/NDF: 942.7/65

- sign 50.188+/-81.265 χ^2/NDF: 412.4/33

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 363.230+/-0.075 χ^2/NDF:1510071.8/15

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

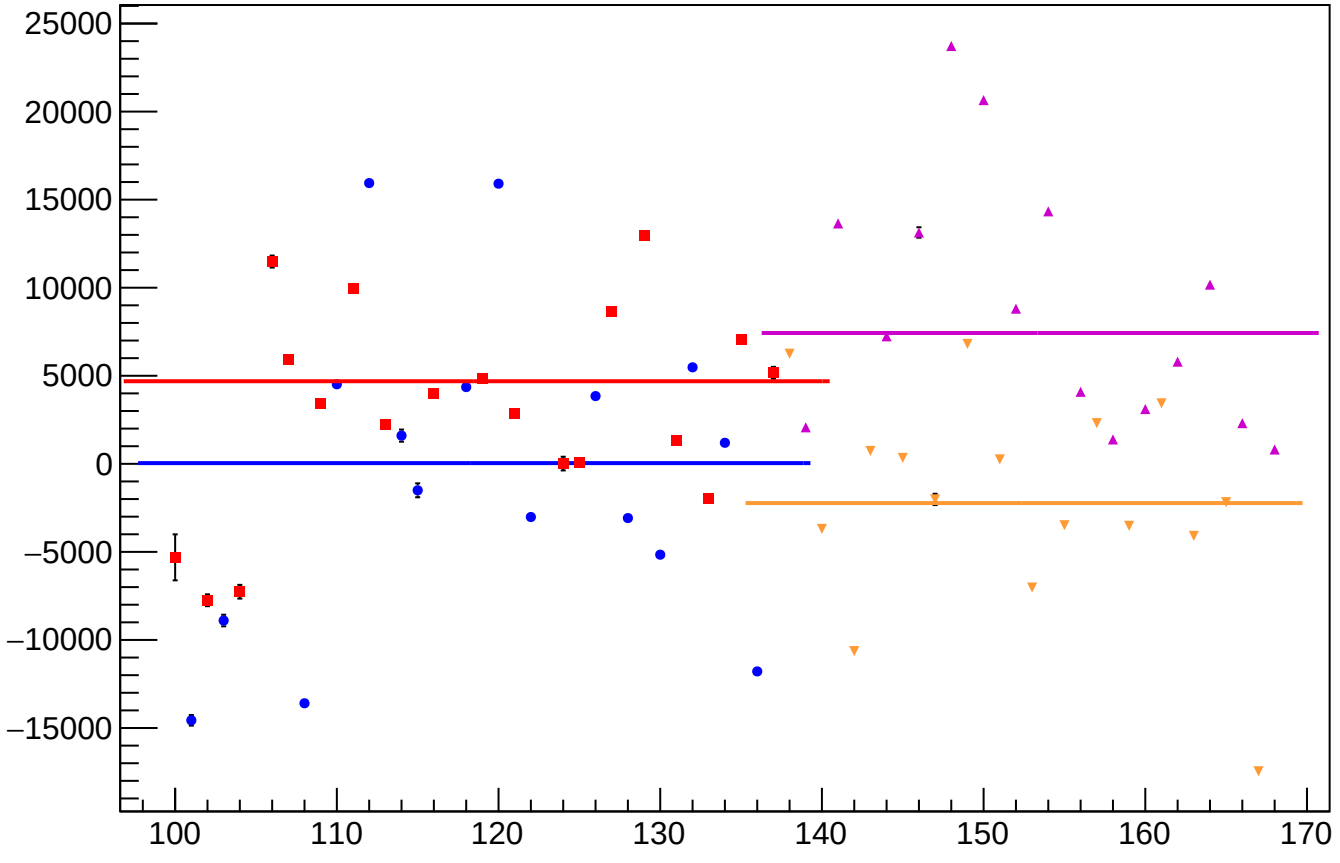
Left In: 354.738+/-0.074 χ^2/NDF:1329071.5/14

+ sign 363.318+/-0.060 χ^2/NDF: 2290968.7/31

All: 355.910+/-0.041 χ^2/NDF: 4520750.5/65

- sign 349.075+/-0.057 χ^2/NDF: 2200297.2/33

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -2227.370+/-48.902 χ^2/NDF:13950.0/15

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

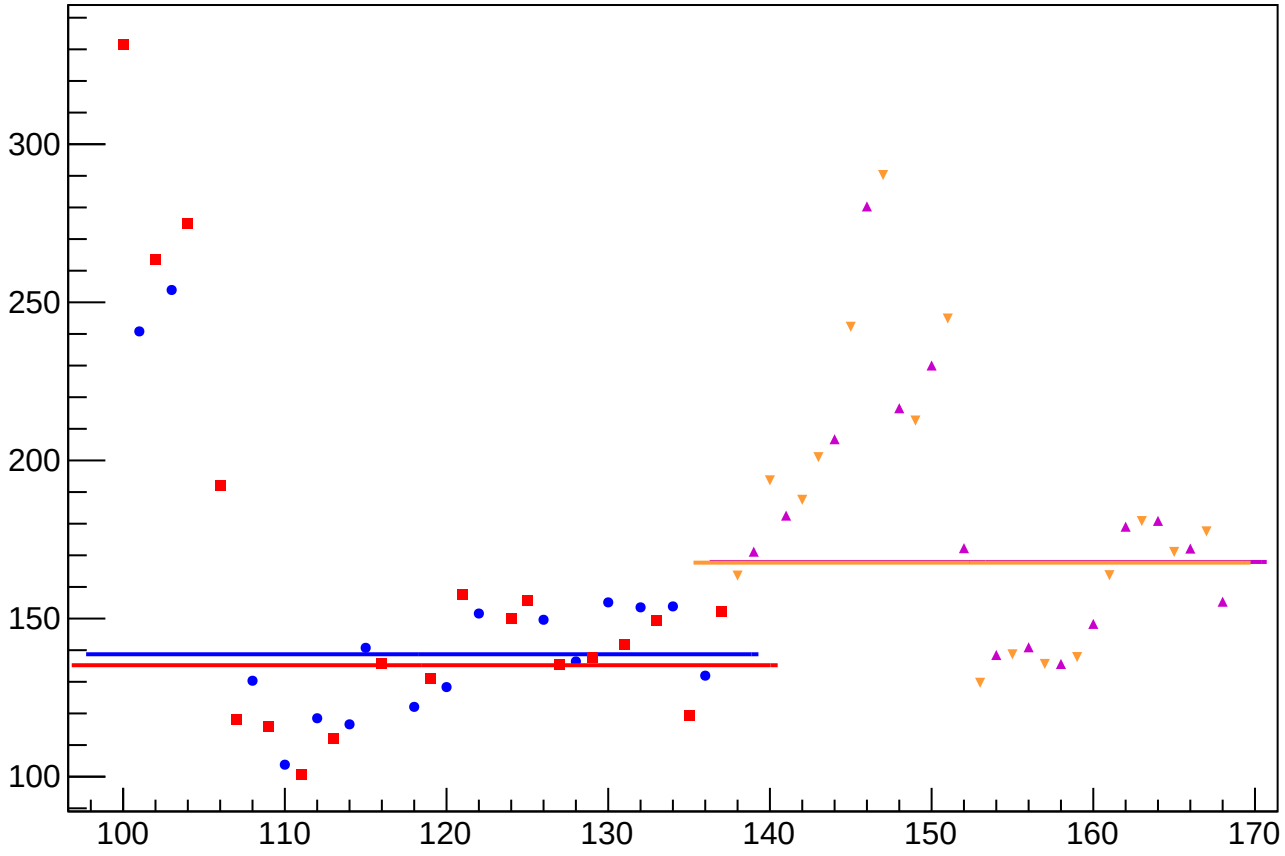
Left In: 7429.273+/-49.502 χ^2/NDF:16829.8/14

\+ sign -1209.454+/-36.307 χ^2/NDF: 45701.8/31

All: 2502.906+/-25.523 χ^2/NDF: 92447.9/65

\- sign 6129.364+/-35.885 χ^2/NDF: 26078.8/33

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.683+/-0.035 χ^2/NDF:1142937.2/15

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

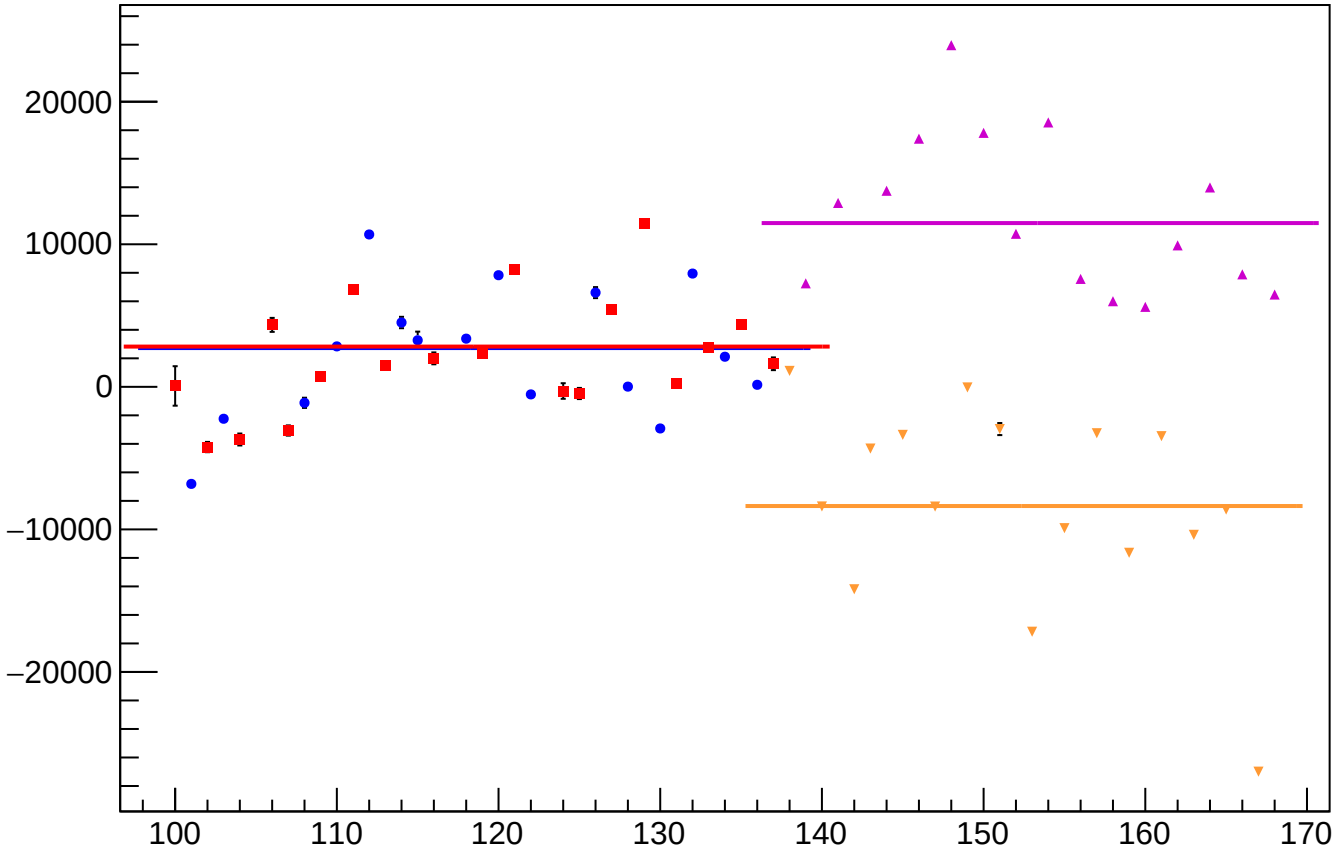
Left In: 167.897+/-0.035 χ^2/NDF:858469.1/14

+ sign 154.682+/-0.026 χ^2/NDF: 2115726.4/31

All: 153.530+/-0.018 χ^2/NDF: 4281097.0/65

- sign 152.404+/-0.025 χ^2/NDF: 2161389.4/33

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -8360.995+/-57.492 χ^2/NDF:15638.3/15

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

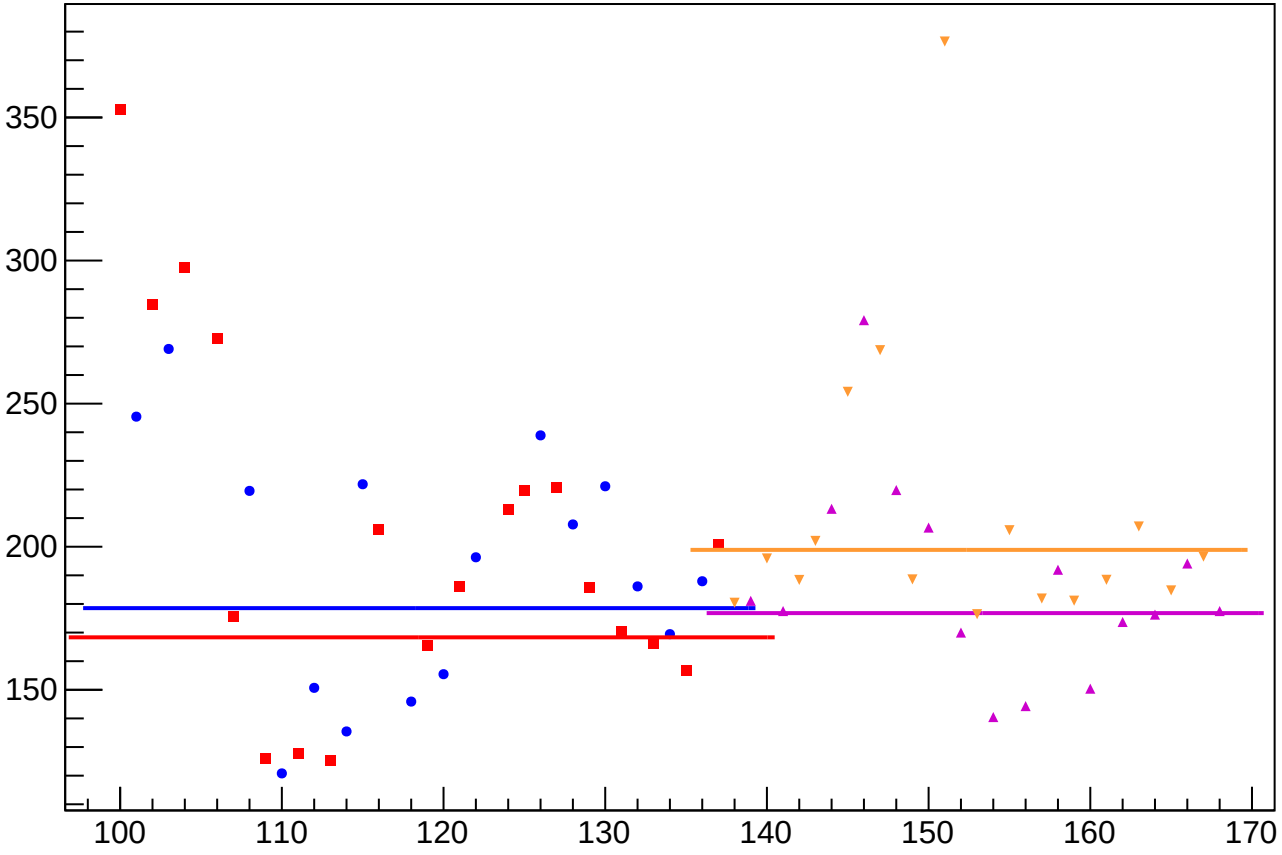
Left In: 11487.301+/-52.003 χ^2/NDF:10196.1/14

+ sign -3839.564+/-44.233 χ^2/NDF: 34925.6/31

All: 2643.232+/-29.899 χ^2/NDF: 98595.2/65

- sign 8096.635+/-40.570 χ^2/NDF: 24121.4/33

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.898+/-0.041 χ^2/NDF:633316.9/15

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

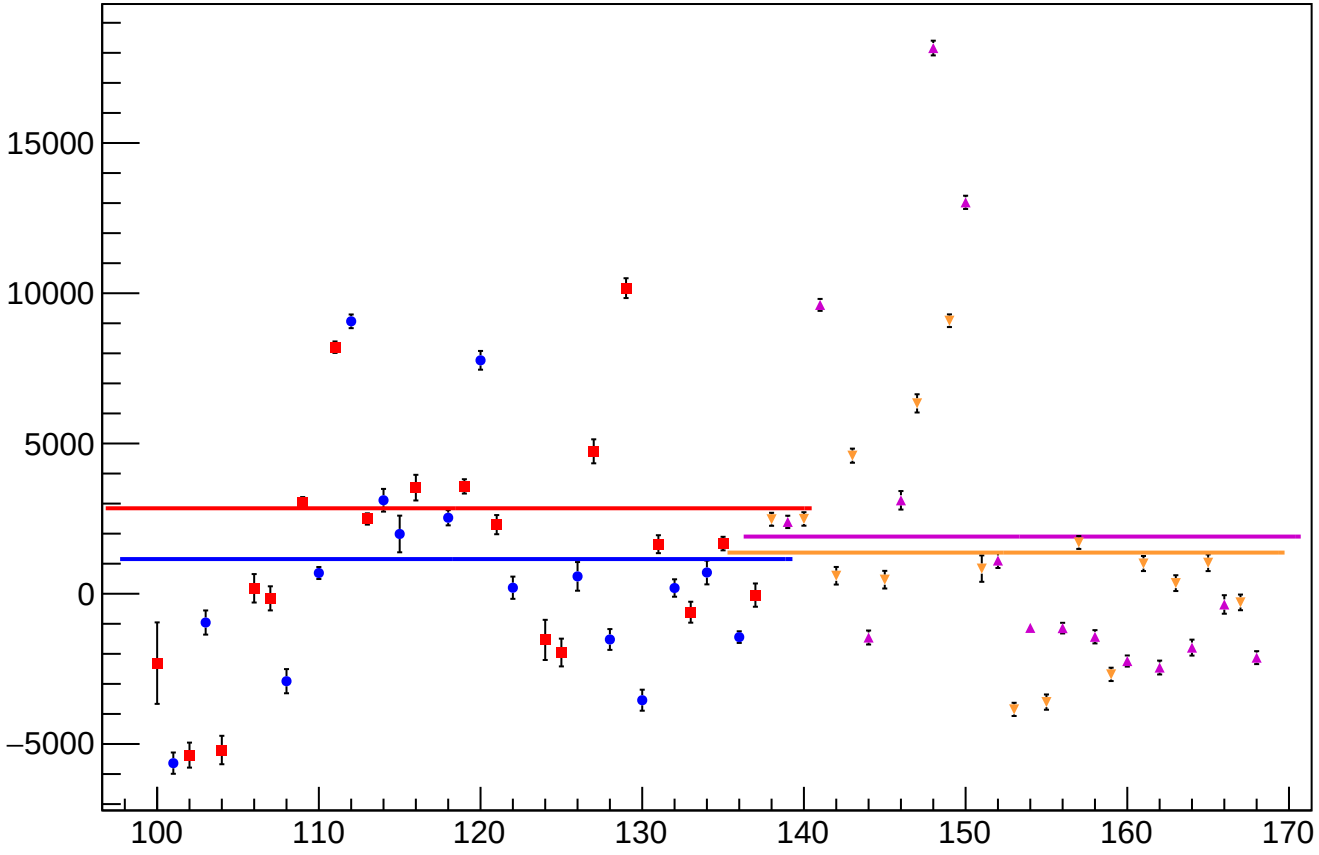
Left In: 176.803+/-0.037 χ^2/NDF:657411.9/14

+ sign 190.592+/-0.031 χ^2/NDF: 1410204.3/31

All: 181.303+/-0.021 χ^2/NDF: 3230253.3/65

- sign 173.489+/-0.029 χ^2/NDF: 1657654.4/33

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1369.543+/-62.355 χ^2/NDF:3202.2/15

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

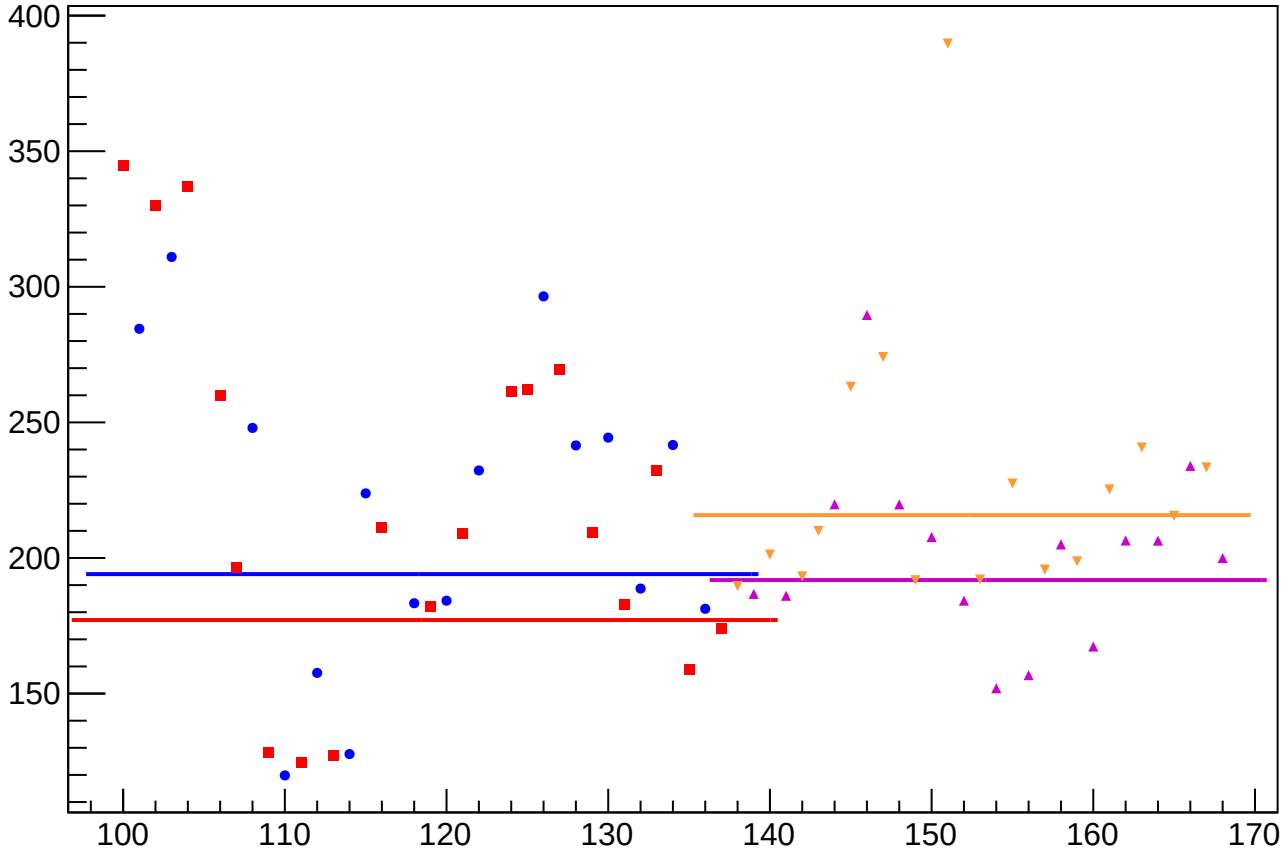
Left In: 1902.537+/-56.350 χ^2/NDF:11001.5/14

+ sign 1282.695+/-48.195 χ^2/NDF: 5862.3/31

All: 1829.287+/-32.365 χ^2/NDF: 19662.6/65

- sign 2278.269+/-43.680 χ^2/NDF: 13566.0/33

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 215.809+/-0.044 χ^2/NDF:602294.4/15

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

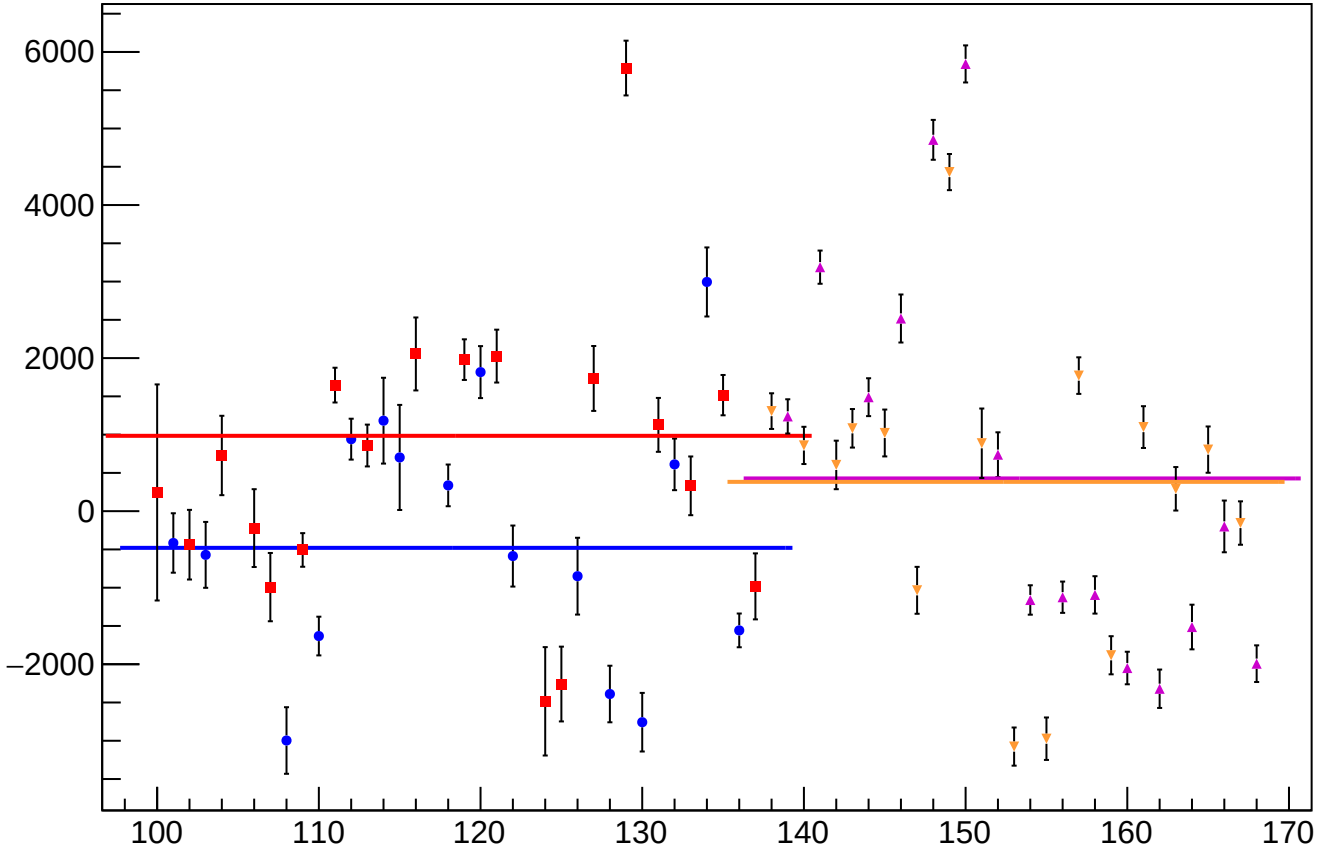
Left In: 191.869+/-0.040 χ^2/NDF:563700.4/14

+ sign 207.050+/-0.034 χ^2/NDF: 1666099.8/31

All: 195.482+/-0.023 χ^2/NDF: 3853733.3/65

- sign 185.980+/-0.031 χ^2/NDF: 1977767.2/33

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 382.958+/-67.880 χ^2/NDF:816.5/15

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

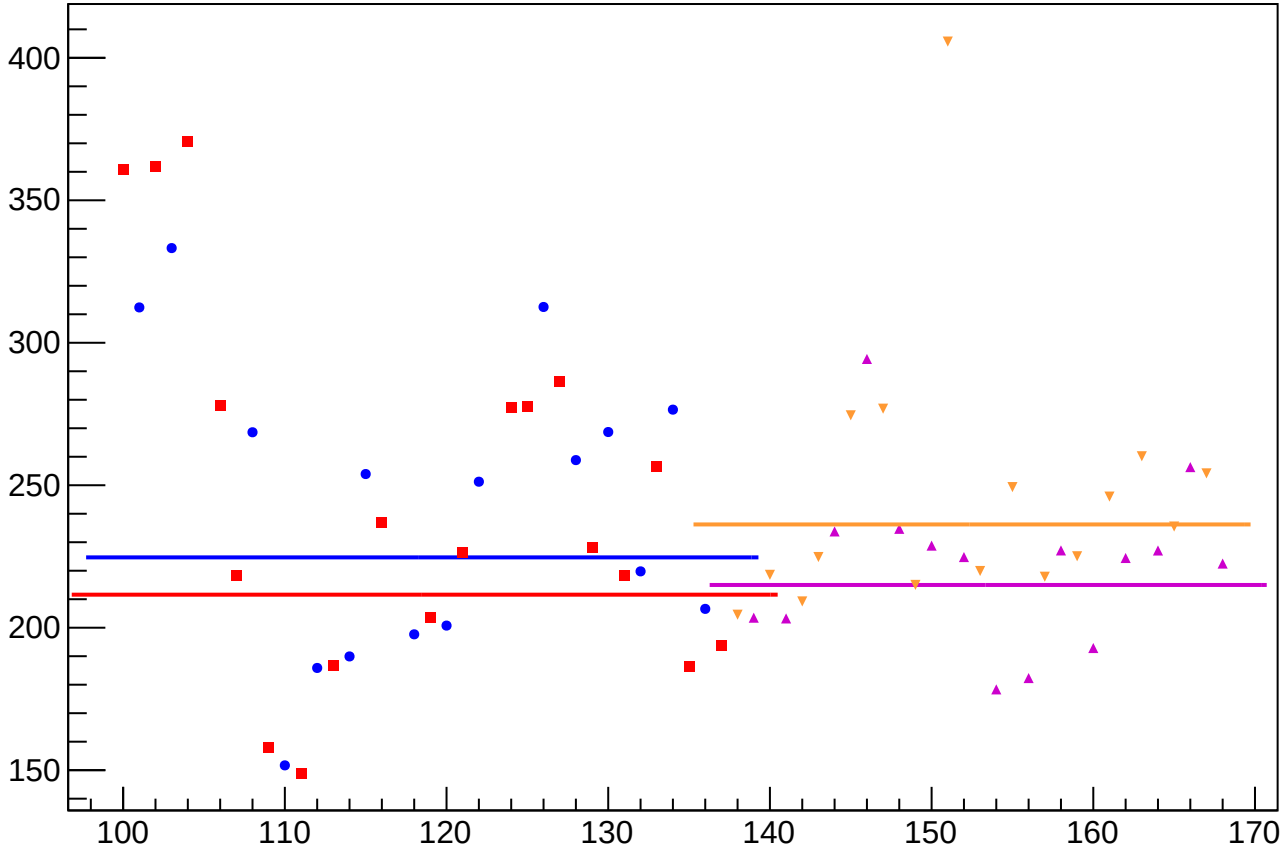
Left In: 427.602+/-62.631 χ^2/NDF:1597.3/14

+ sign 55.203+/-53.444 χ^2/NDF: 1183.3/31

All: 367.700+/-36.330 χ^2/NDF: 3271.9/65

- sign 636.151+/-49.535 χ^2/NDF: 2025.1/33

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 236.243+/-0.048 χ^2/NDF:481286.1/15

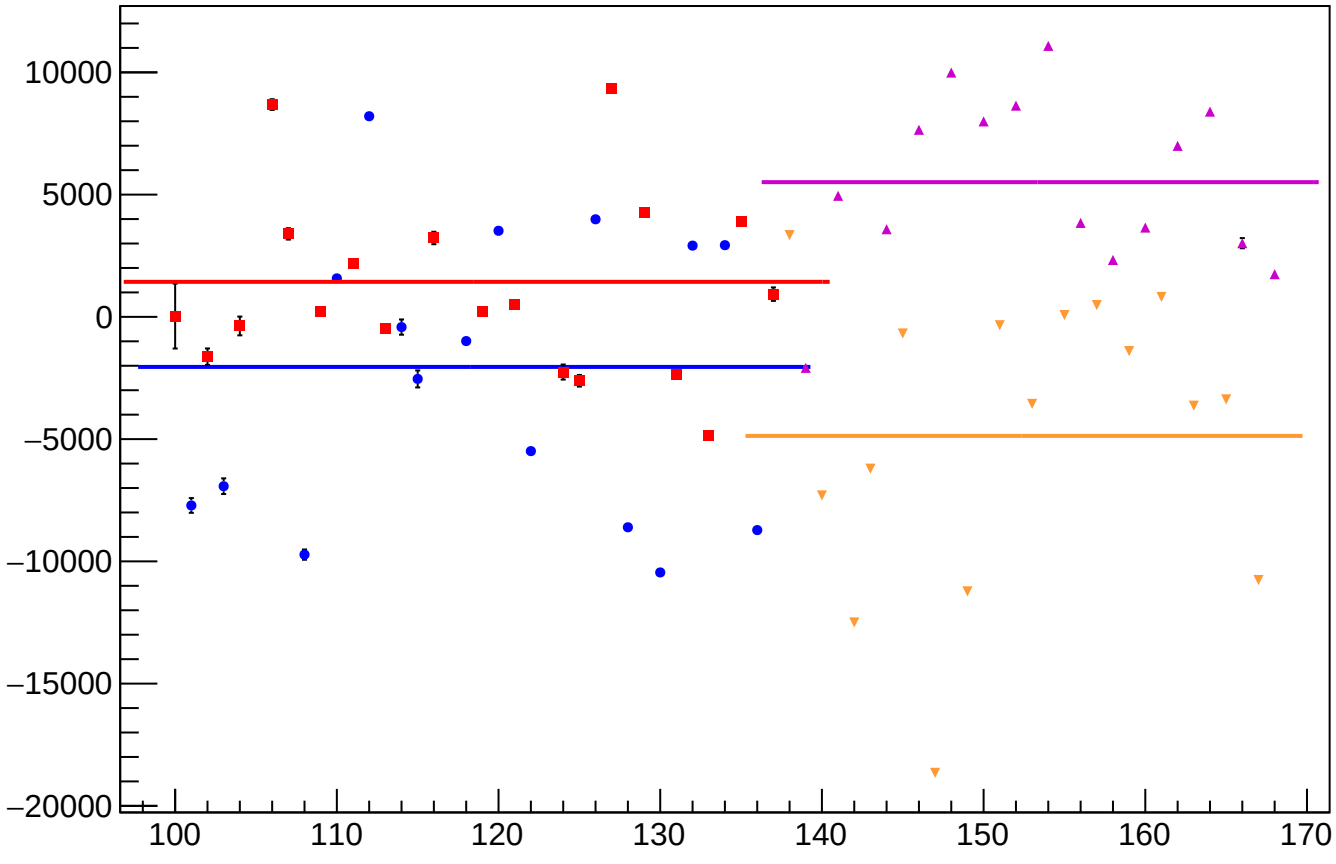
Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 215.002+/-0.044 χ^2/NDF:359243.2/14

+ sign 231.849+/-0.038 χ^2/NDF: 1156529.9/31

All: 222.100+/-0.026 χ^2/NDF: 2574601.0/65

- sign 213.726+/-0.035 χ^2/NDF: 1294361.7/33



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4868.559+/-34.758 χ^2/NDF:30832.8/15

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

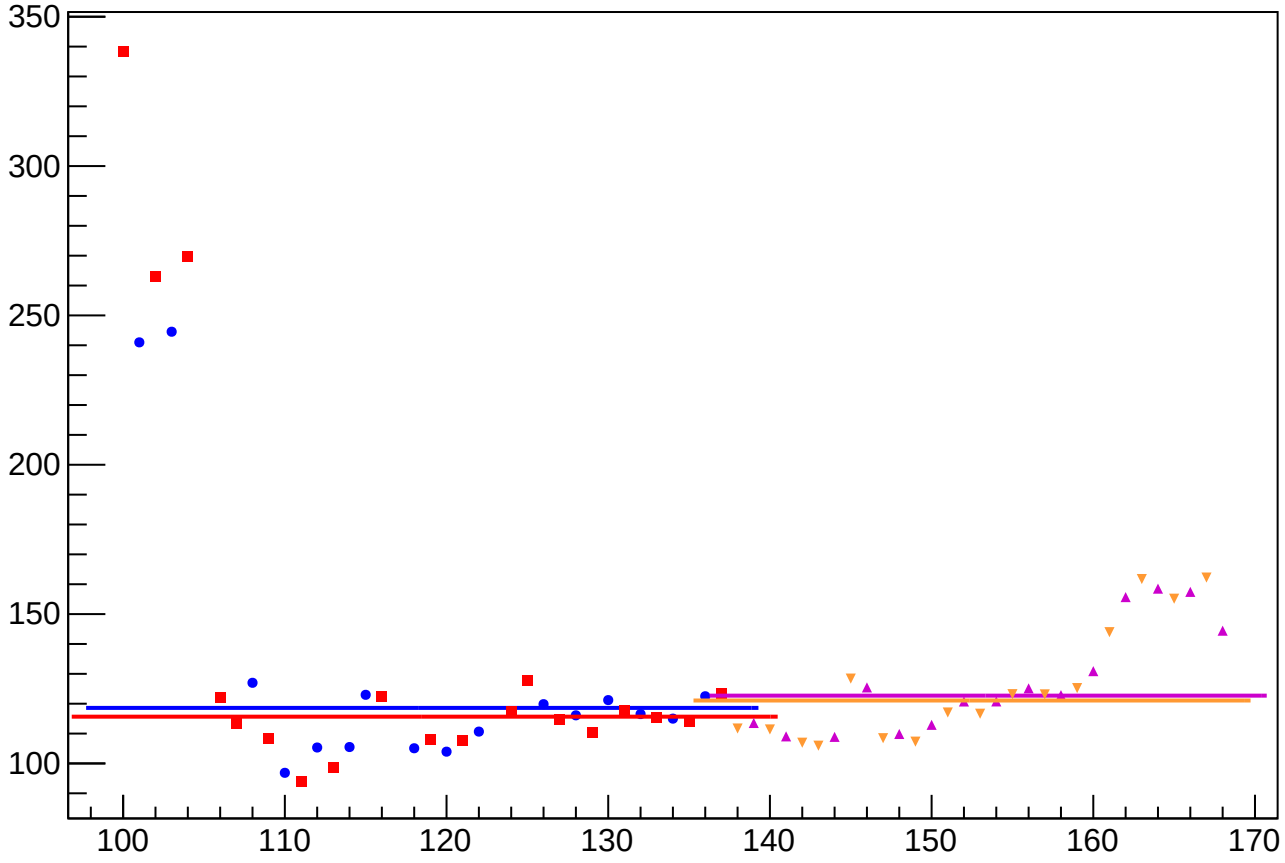
Left In: 5509.999+/-35.434 χ^2/NDF:10226.9/14

+ sign -3863.427+/-27.887 χ^2/NDF: 49889.2/31

All: 52.998+/-19.679 χ^2/NDF: 110895.3/65

- sign 3937.906+/-27.775 χ^2/NDF: 21719.5/33

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 121.071+/-0.025 χ^2/NDF:438778.7/15

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

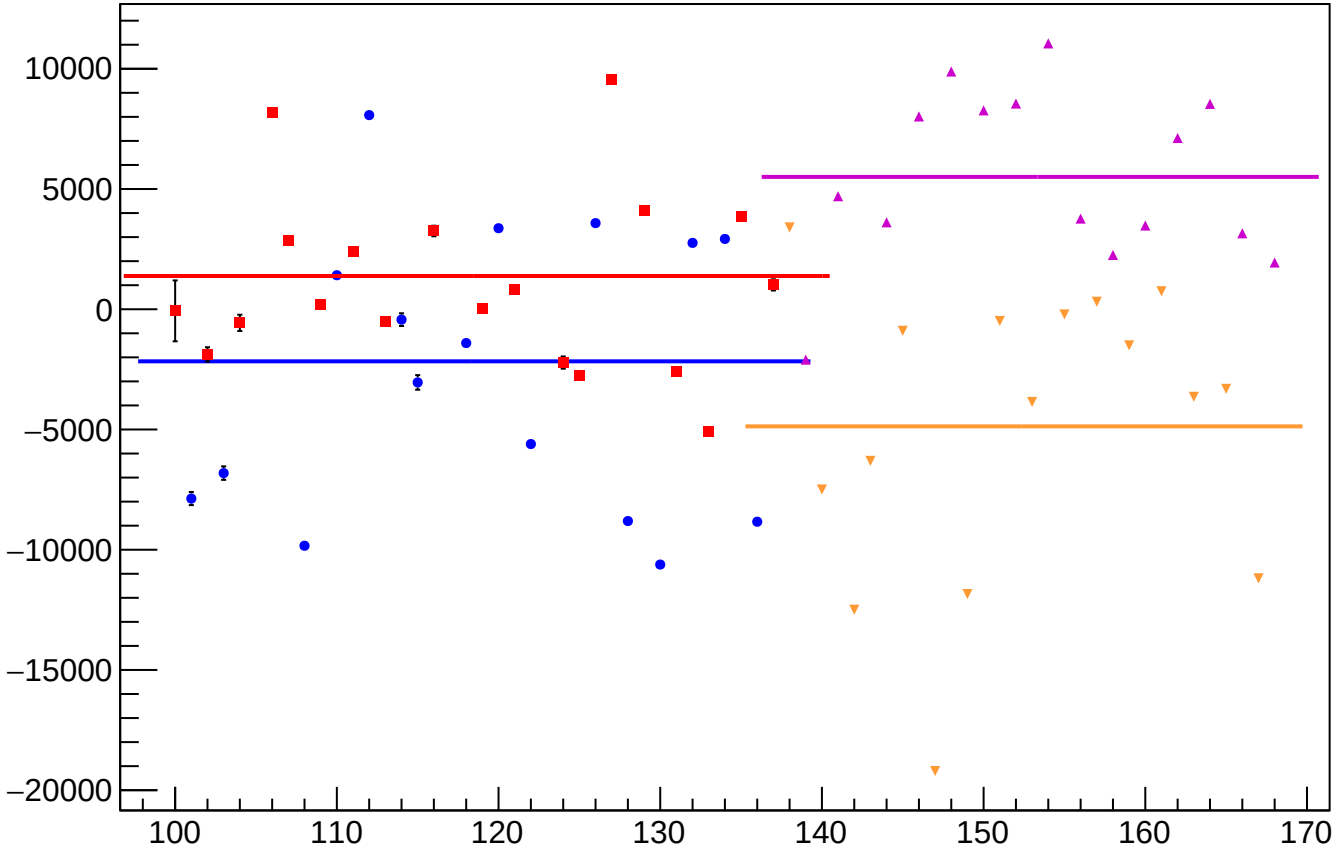
Left In: 122.699+/-0.025 χ^2/NDF:337925.4/14

+ sign 120.189+/-0.020 χ^2/NDF: 1176551.1/31

All: 120.087+/-0.014 χ^2/NDF: 2409171.2/65

- sign 119.985+/-0.020 χ^2/NDF: 1232565.9/33

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4870.387+/-31.316 χ^2/NDF:37680.6/15

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

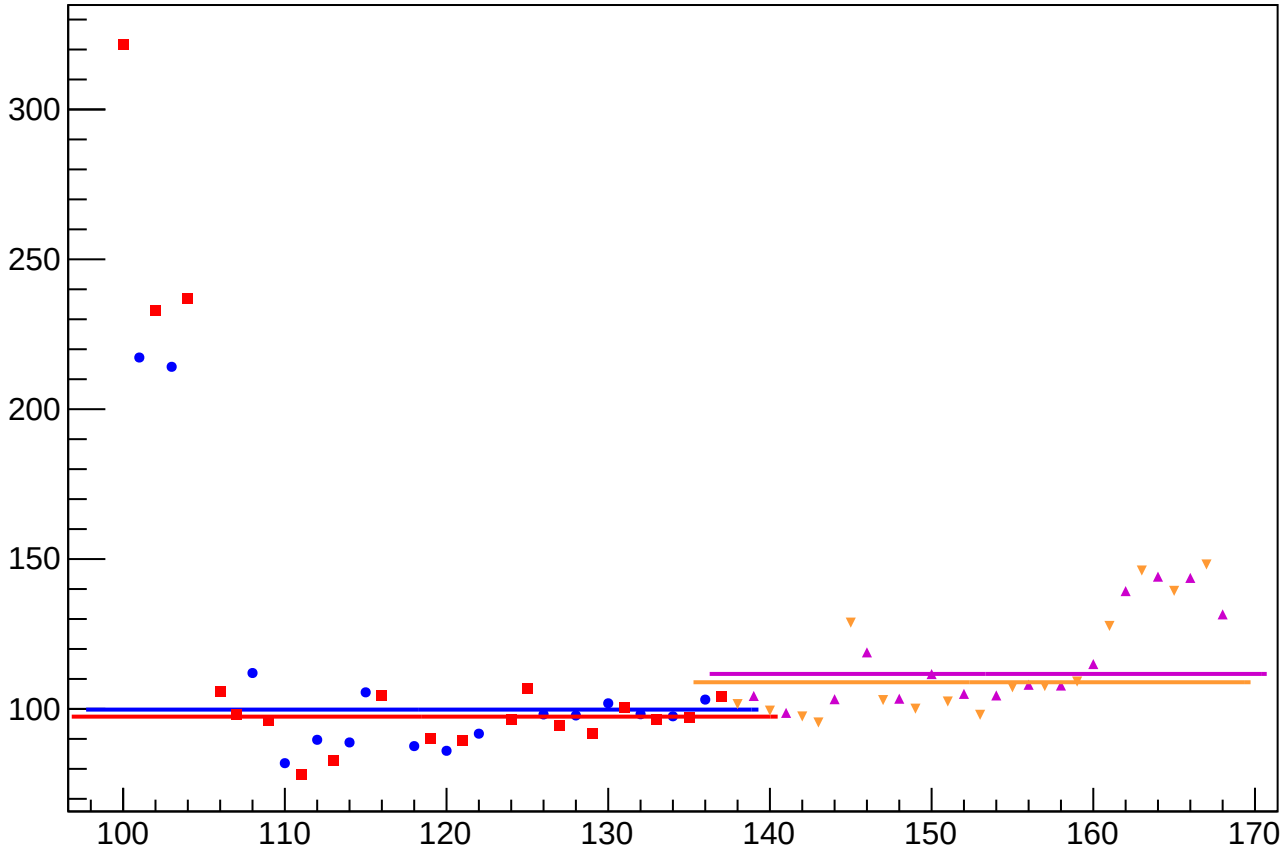
Left In: 5504.348+/-32.259 χ^2/NDF:12538.1/14

+ sign -3830.844+/-24.571 χ^2/NDF: 63422.2/31

All: -29.283+/-17.380 χ^2/NDF: 139854.4/65

- sign 3776.948+/-24.586 χ^2/NDF: 28527.6/33

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 108.901+/-0.022 χ^2/NDF:461216.1/15

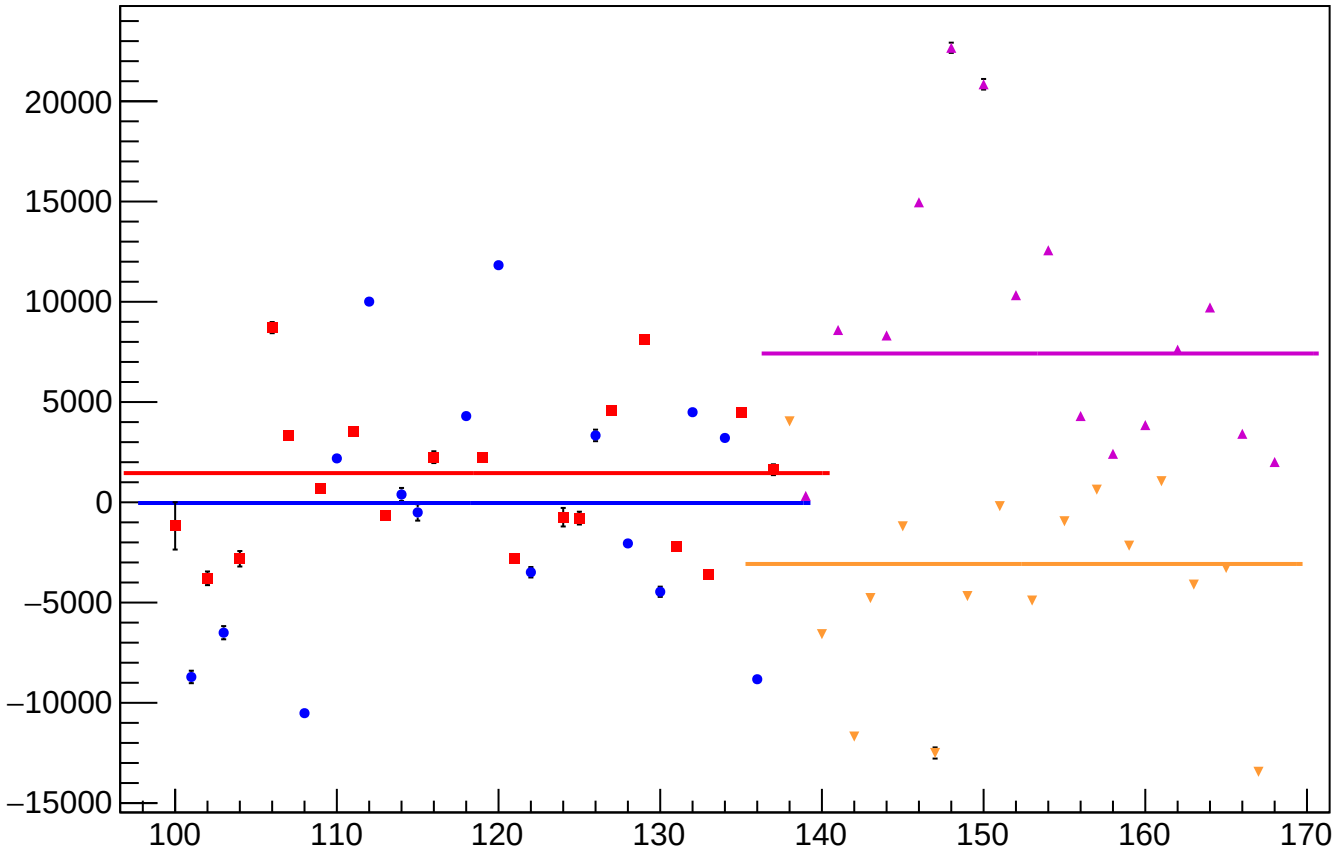
Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 111.676+/-0.023 χ^2/NDF:306702.0/14

+ sign 105.393+/-0.017 χ^2/NDF: 1335663.9/31

All: 105.548+/-0.012 χ^2/NDF: 2732115.7/65

- sign 105.704+/-0.017 χ^2/NDF: 1396292.0/33



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3074.651+/-44.531 χ^2/NDF:9839.1/15

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

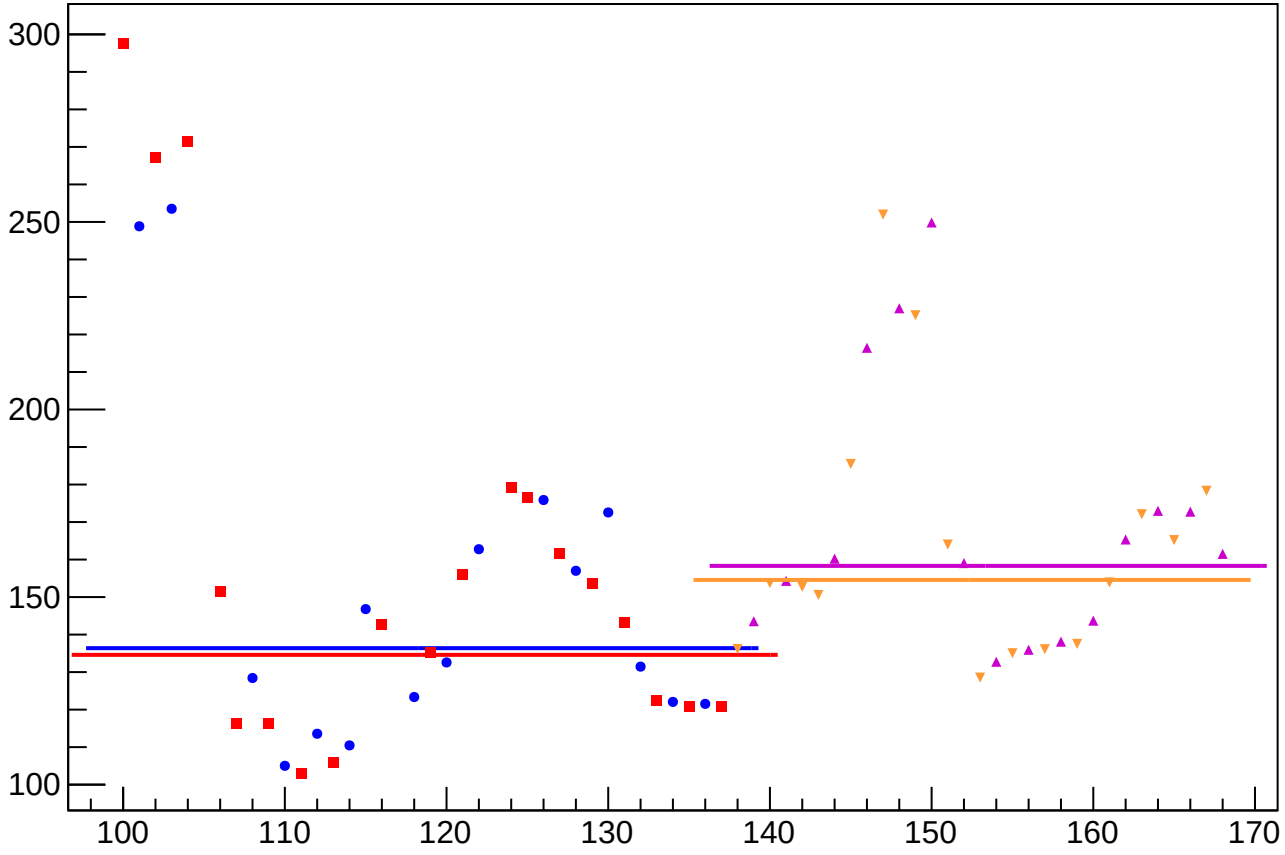
Left In: 7421.226+/-46.092 χ^2/NDF:14335.8/14

+ sign -1829.536+/-34.217 χ^2/NDF: 28550.7/31

All: 1457.073+/-24.286 χ^2/NDF: 72972.7/65

- sign 4793.792+/-34.477 χ^2/NDF: 25829.3/33

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 154.570+/-0.031 χ^2/NDF:696204.3/15

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

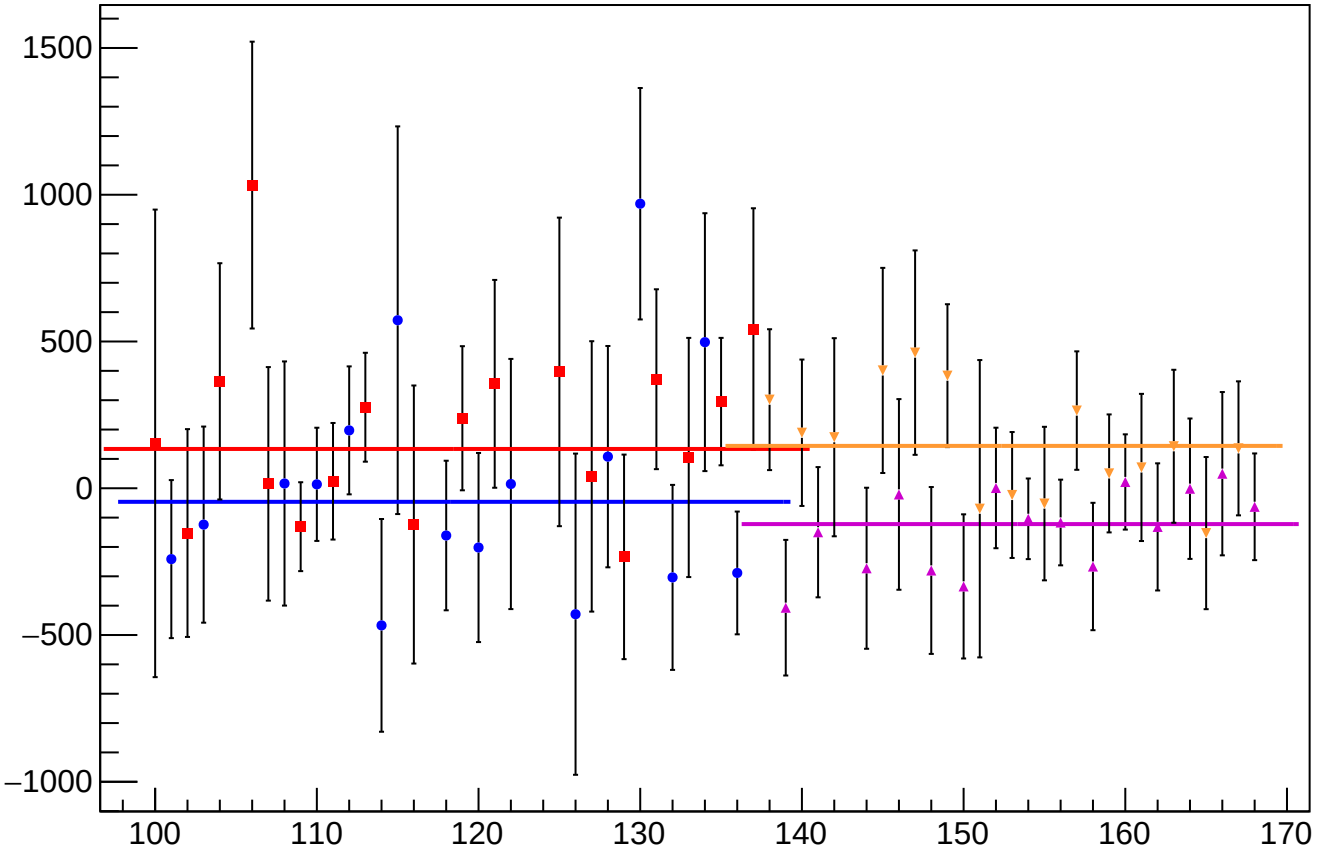
Left In: 158.315+/-0.033 χ^2/NDF:715467.4/14

+ sign 147.121+/-0.024 χ^2/NDF: 1629693.2/31

All: 147.492+/-0.017 χ^2/NDF: 3498496.0/65

- sign 147.868+/-0.024 χ^2/NDF: 1868330.3/33

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 144.337+/-65.966 χ^2/NDF:6.1/14

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

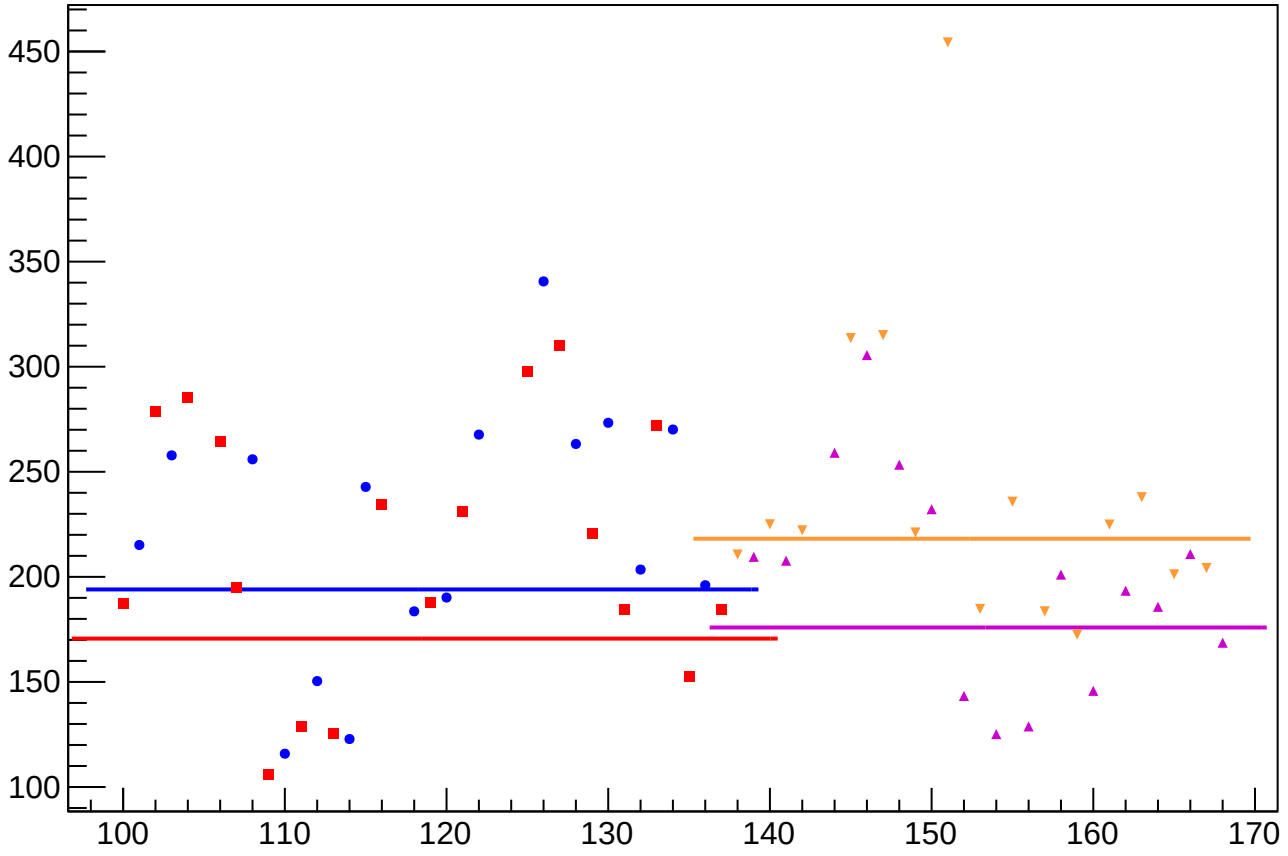
Left In: -122.078+/-53.027 χ^2/NDF:5.3/14

+ sign 62.815+/-49.897 χ^2/NDF: 25.2/30

All: 10.737+/-32.092 χ^2/NDF: 53.9/63

- sign -26.005+/-41.911 χ^2/NDF: 26.9/32

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 218.143+/-0.047 χ^2/NDF:991218.5/14

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

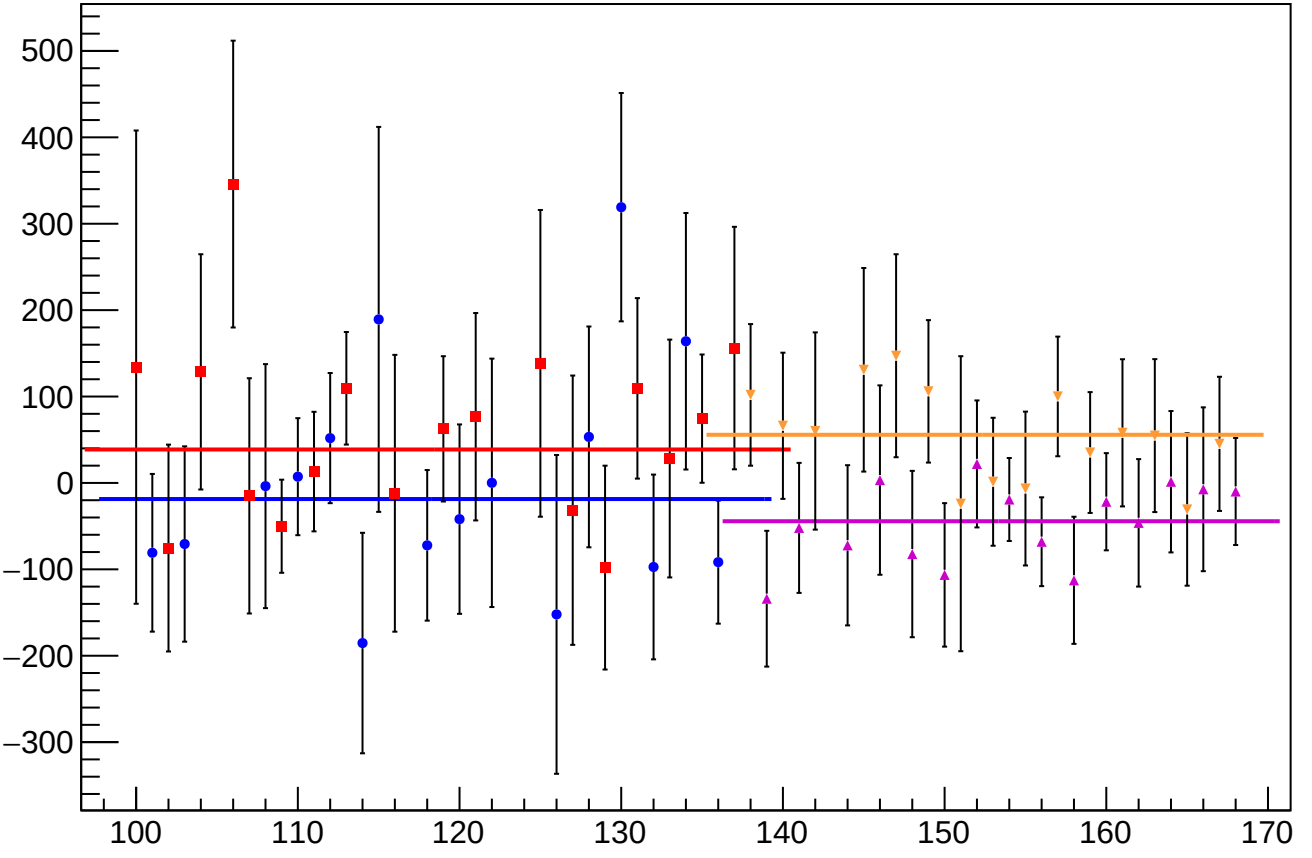
Left In: 175.901+/-0.037 χ^2/NDF:1517367.3/14

+ sign 207.820+/-0.035 χ^2/NDF: 2149266.1/30

All: 187.944+/-0.023 χ^2/NDF: 5809079.8/63

- sign 173.921+/-0.030 χ^2/NDF: 3118537.9/32

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 55.743+/-22.515 χ^2/NDF:4.4/14

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

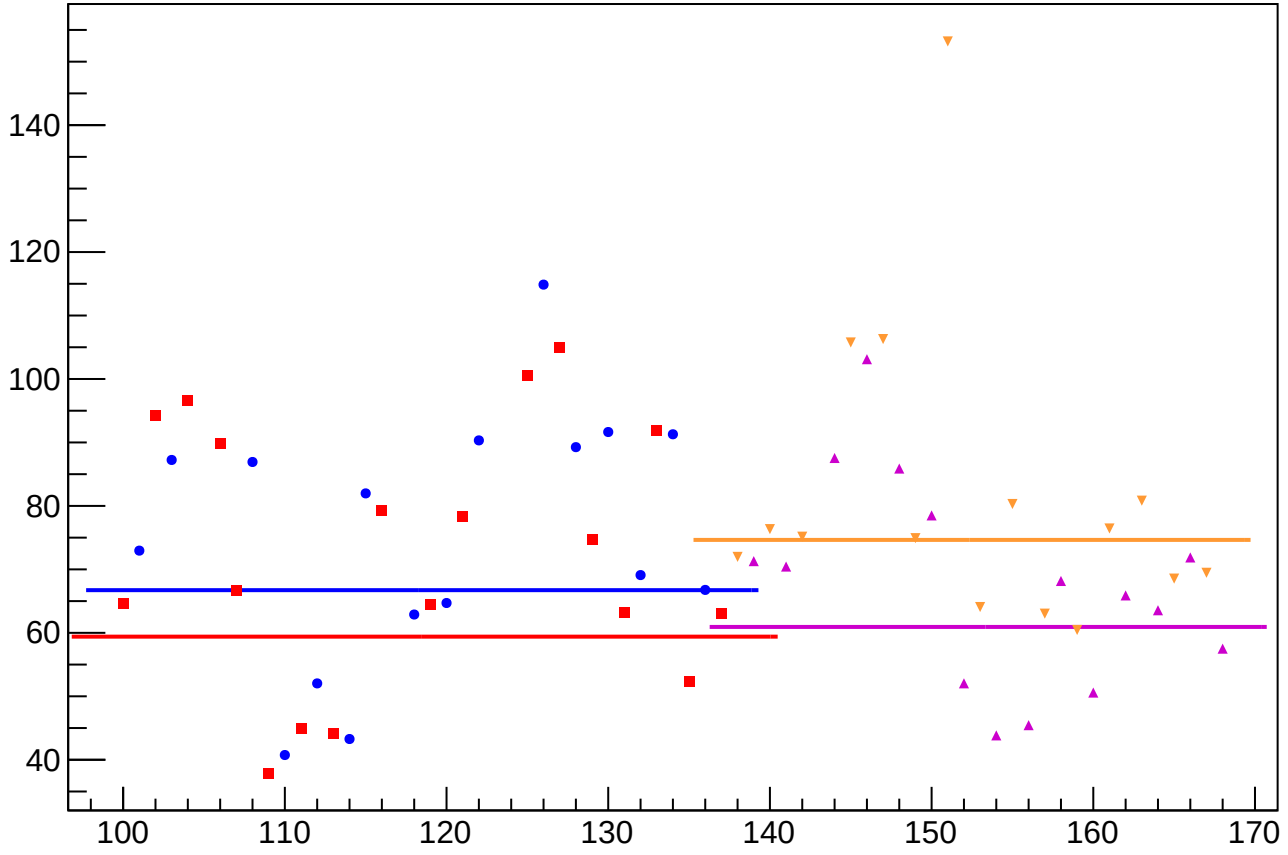
Left In: -44.320+/-18.276 χ^2/NDF:5.4/14

+ sign 24.036+/-17.054 χ^2/NDF: 24.3/30

All: 2.331+/-11.030 χ^2/NDF: 52.8/63

- sign -13.277+/-14.462 χ^2/NDF: 25.7/32

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 74.644+/-0.016 χ^2/NDF:927554.0/14

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

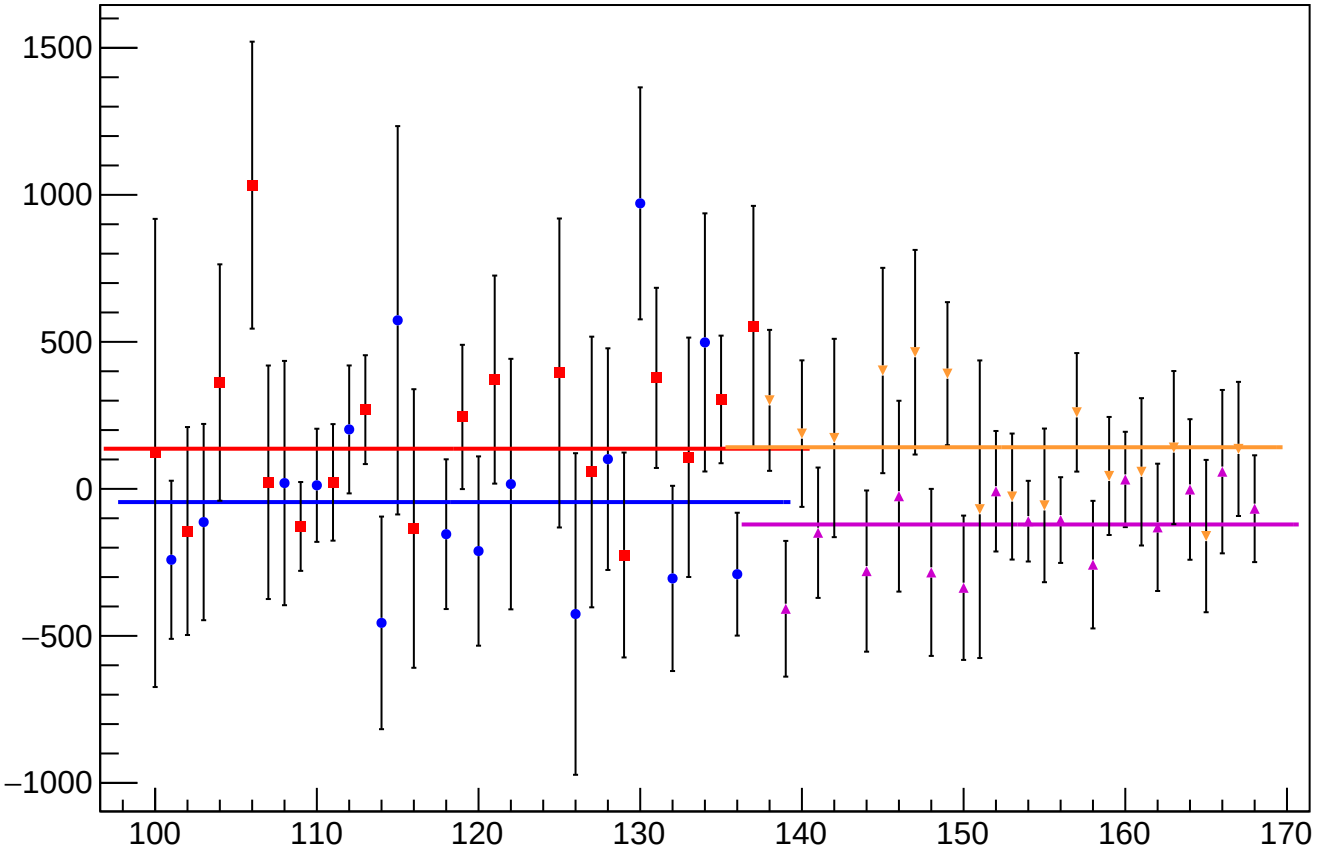
Left In: 60.931+/-0.013 χ^2/NDF:1346728.0/14

+ sign 71.268+/-0.012 χ^2/NDF: 1980072.5/30

All: 64.922+/-0.008 χ^2/NDF: 5253505.2/63

- sign 60.359+/-0.010 χ^2/NDF: 2797342.0/32

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 141.586+/-65.912 χ^2/NDF:6.4/14

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

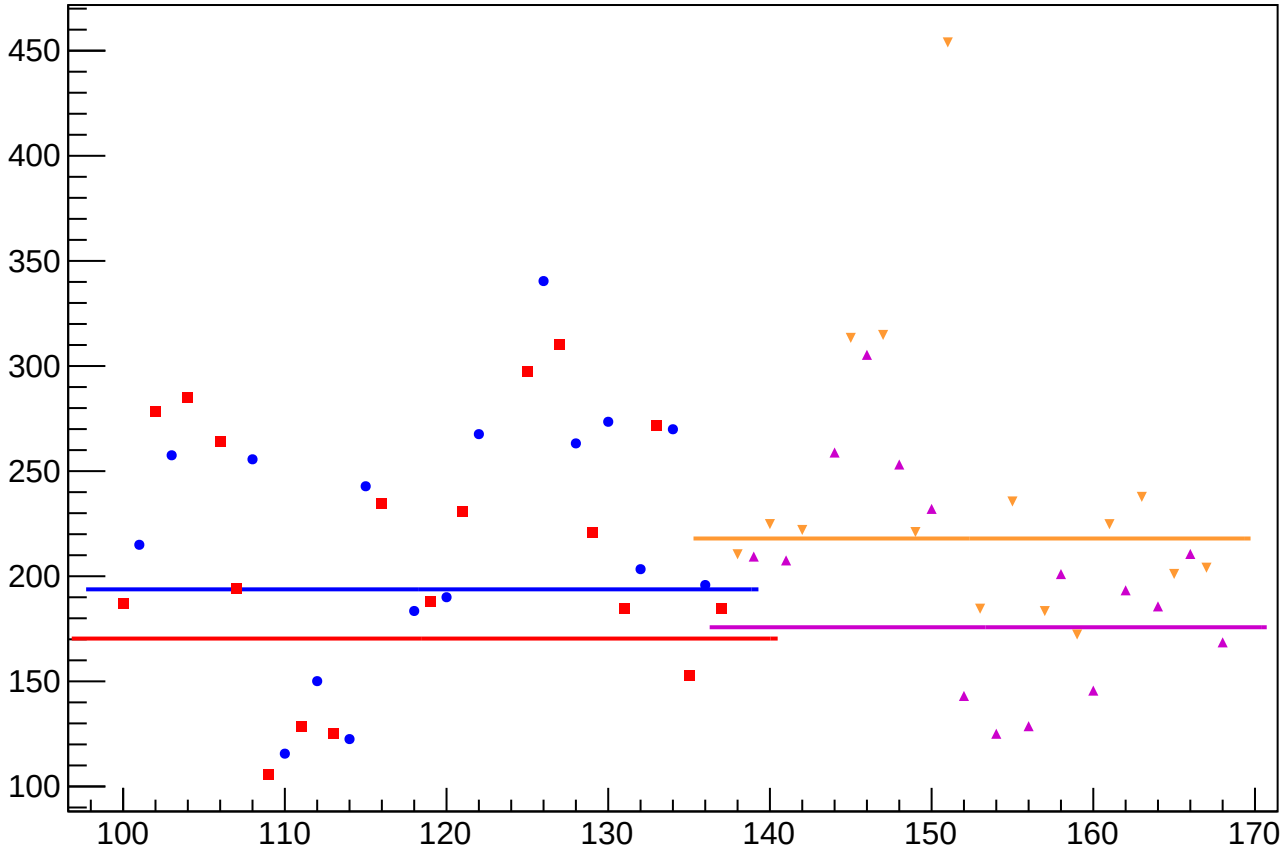
Left In: -121.069+/-52.981 χ^2/NDF:5.4/14

+ sign 61.764+/-49.850 χ^2/NDF: 25.3/30

All: 11.288+/-32.060 χ^2/NDF: 54.2/63

- sign -24.318+/-41.868 χ^2/NDF: 27.2/32

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 217.957+/-0.047 χ^2/NDF:991883.7/14

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

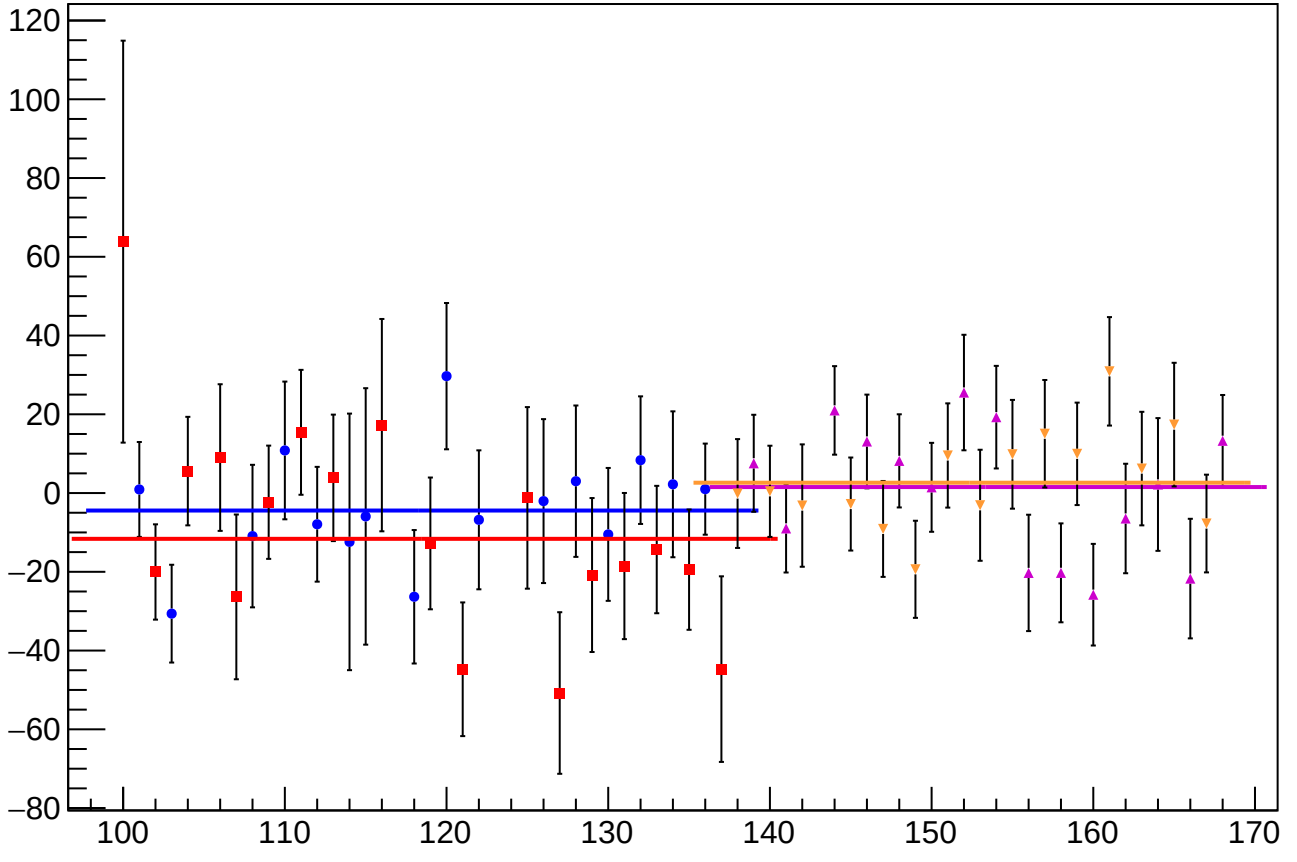
Left In: 175.739+/-0.037 χ^2/NDF:1519379.2/14

+ sign 207.604+/-0.035 χ^2/NDF: 2155269.5/30

All: 187.734+/-0.023 χ^2/NDF: 5823321.2/63

- sign 173.718+/-0.030 χ^2/NDF: 3126153.4/32

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.627+/-3.426 χ^2/NDF:12.3/14

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

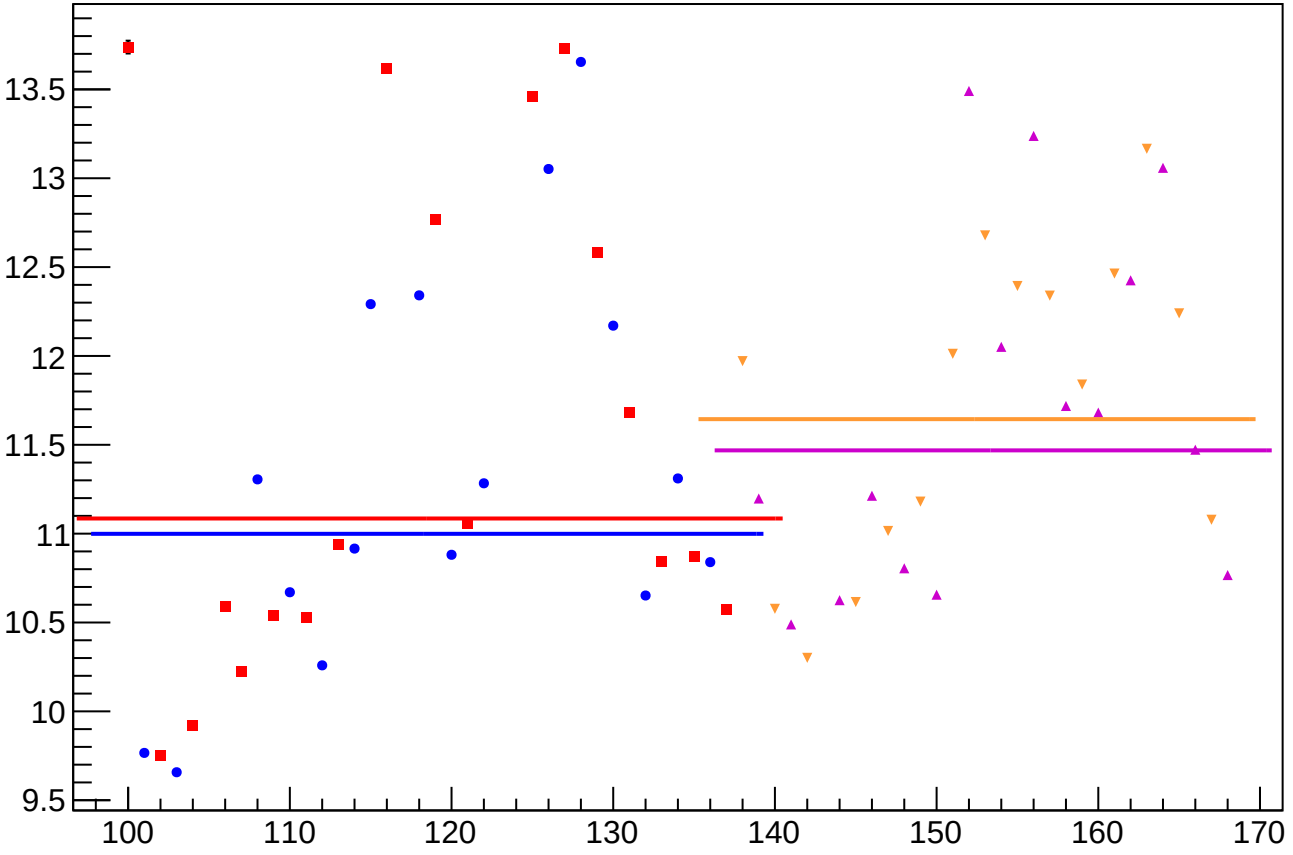
Left In: 1.522+/-3.290 χ^2/NDF:23.3/14

+ sign -0.252+/-2.637 χ^2/NDF: 26.0/30

All: -1.952+/-1.842 χ^2/NDF: 77.9/63

- sign -3.572+/-2.575 χ^2/NDF: 51.1/32

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.644+/-0.002 χ^2/NDF:116626.1/14

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

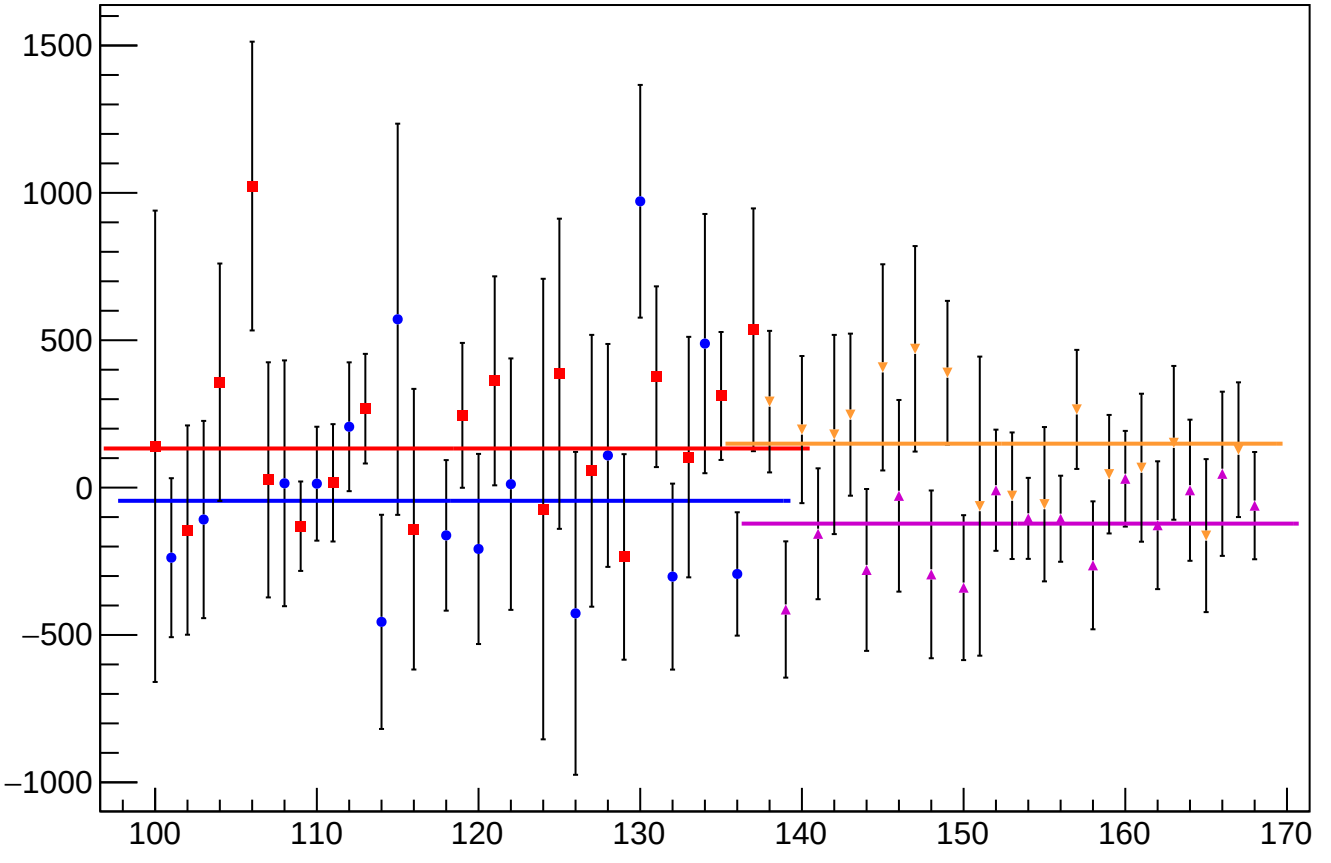
Left In: 11.469+/-0.002 χ^2/NDF:151663.0/14

+ sign 11.381+/-0.002 χ^2/NDF: 281706.6/30

All: 11.350+/-0.001 χ^2/NDF: 606648.7/63

- sign 11.320+/-0.002 χ^2/NDF: 324389.4/32

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 149.062+/-64.207 χ^2/NDF:6.5/15

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

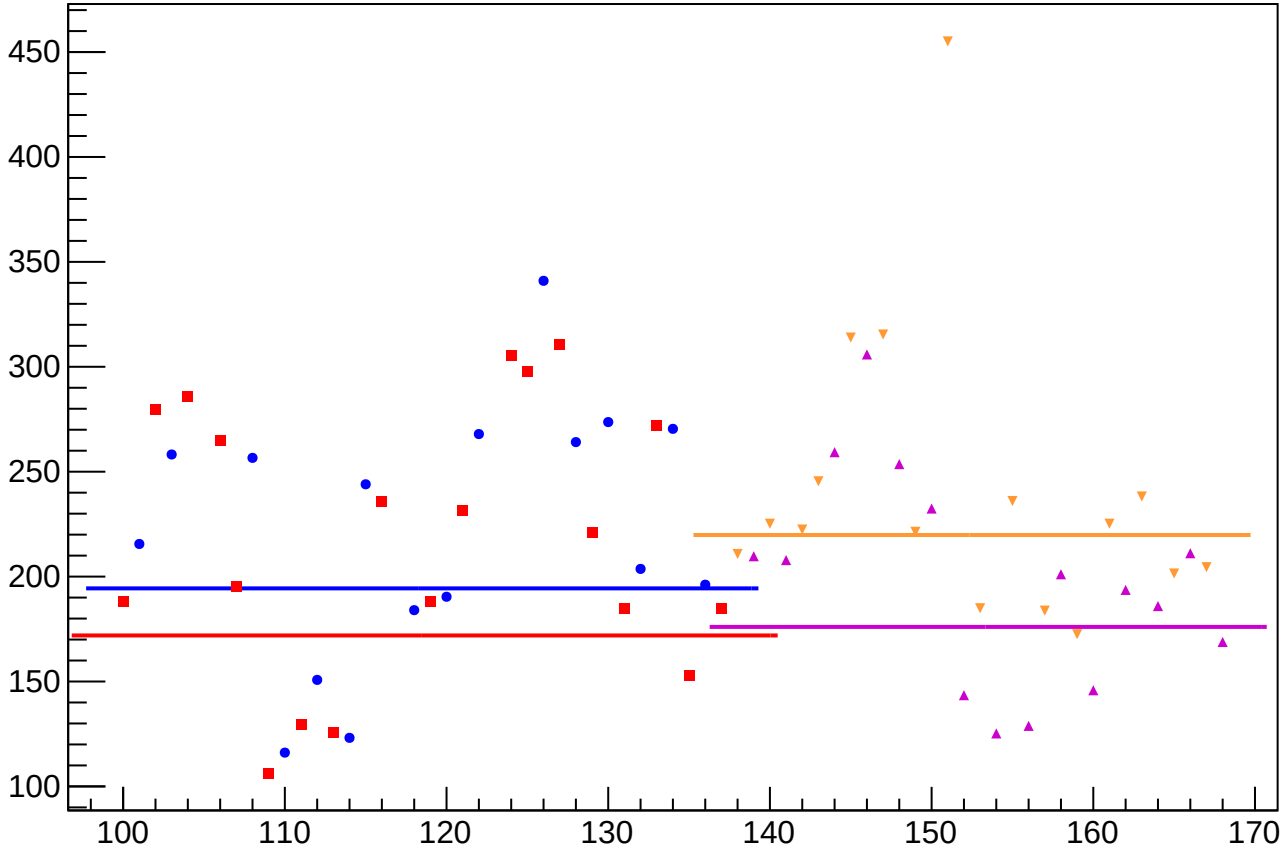
Left In: -122.189+/-53.067 χ^2/NDF:5.5/14

+ sign 68.847+/-49.160 χ^2/NDF: 25.7/31

All: 13.806+/-31.888 χ^2/NDF: 54.9/65

- sign -26.175+/-41.898 χ^2/NDF: 27.1/33

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 219.828+/-0.045 χ^2/NDF:1010886.2/15

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

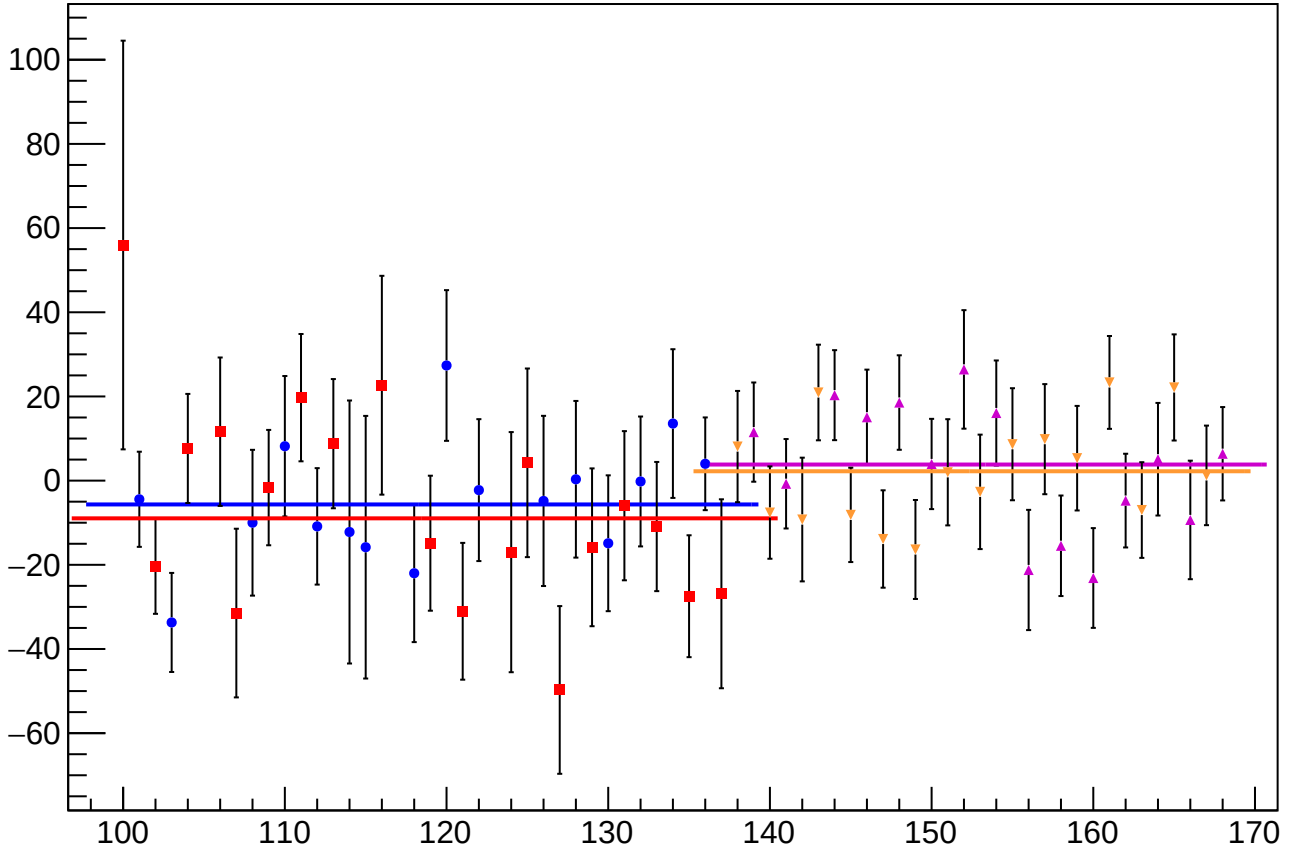
Left In: 176.022+/-0.038 χ^2/NDF:1519753.1/14

+ sign 209.300+/-0.035 χ^2/NDF: 2182860.0/31

All: 189.135+/-0.023 χ^2/NDF: 5939338.7/65

- sign 174.488+/-0.030 χ^2/NDF: 3175535.6/33

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 2.225+/-3.041 χ^2/NDF:17.2/15

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

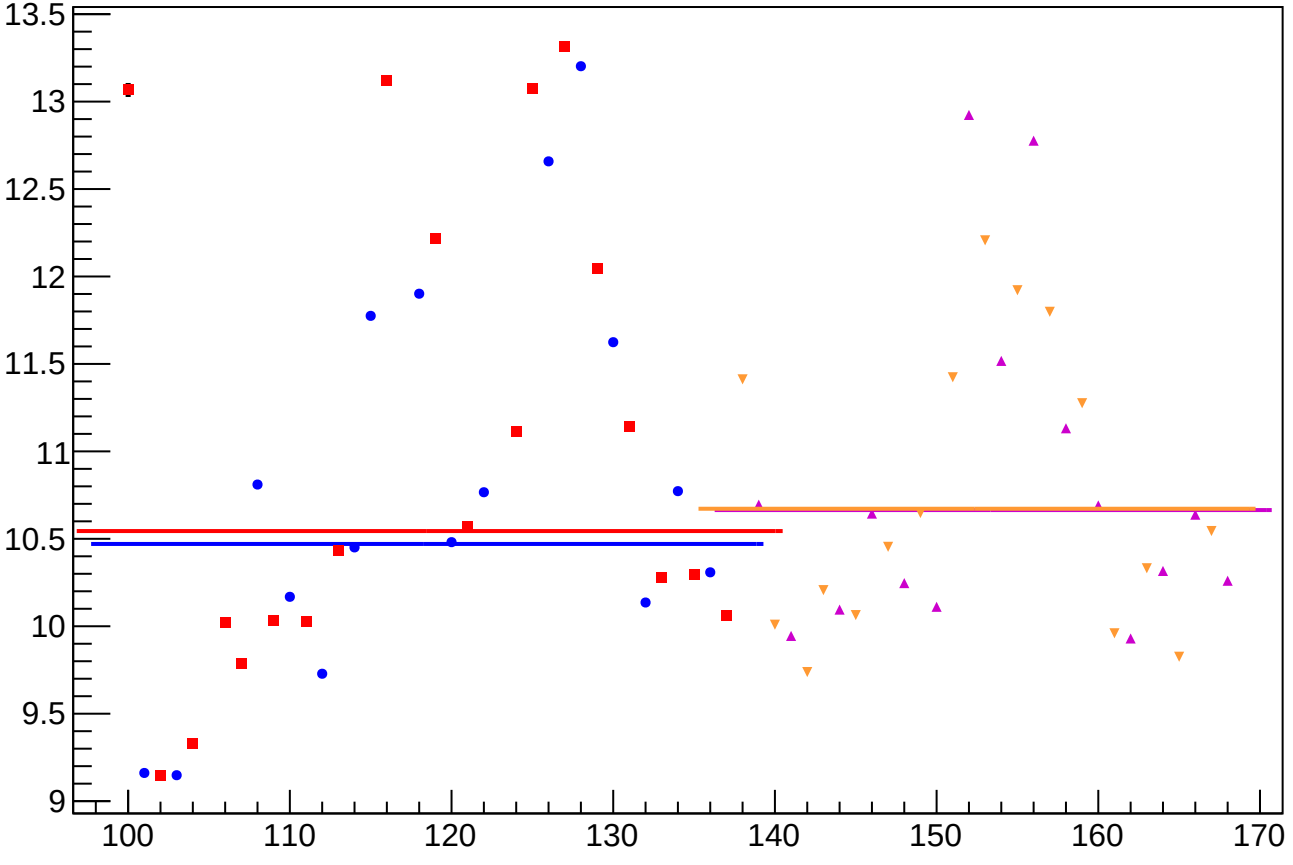
Left In: 3.824+/-3.063 χ^2/NDF:21.6/14

\+ sign -0.718+/-2.407 χ^2/NDF: 33.4/31

All: -0.885+/-1.703 χ^2/NDF: 84.5/65

\- sign -1.052+/-2.409 χ^2/NDF: 51.1/33

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.672+/-0.002 χ^2/NDF:120741.0/15

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

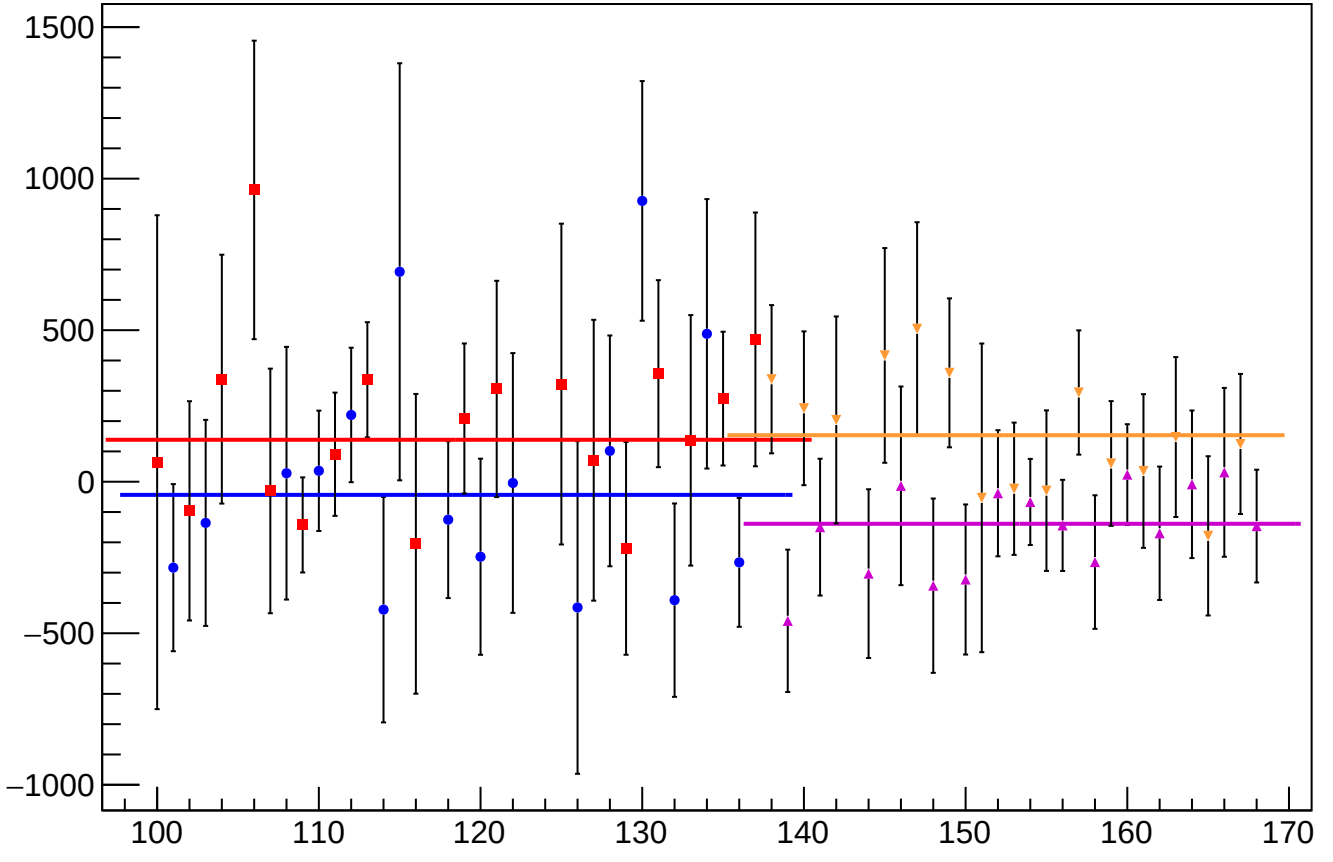
Left In: 10.664+/-0.002 χ^2/NDF:143325.3/14

+ sign 10.597+/-0.002 χ^2/NDF: 281381.1/31

All: 10.608+/-0.001 χ^2/NDF: 612739.4/65

- sign 10.619+/-0.002 χ^2/NDF: 331276.2/33

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 153.491+/-66.956 χ^2/NDF:6.8/14

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

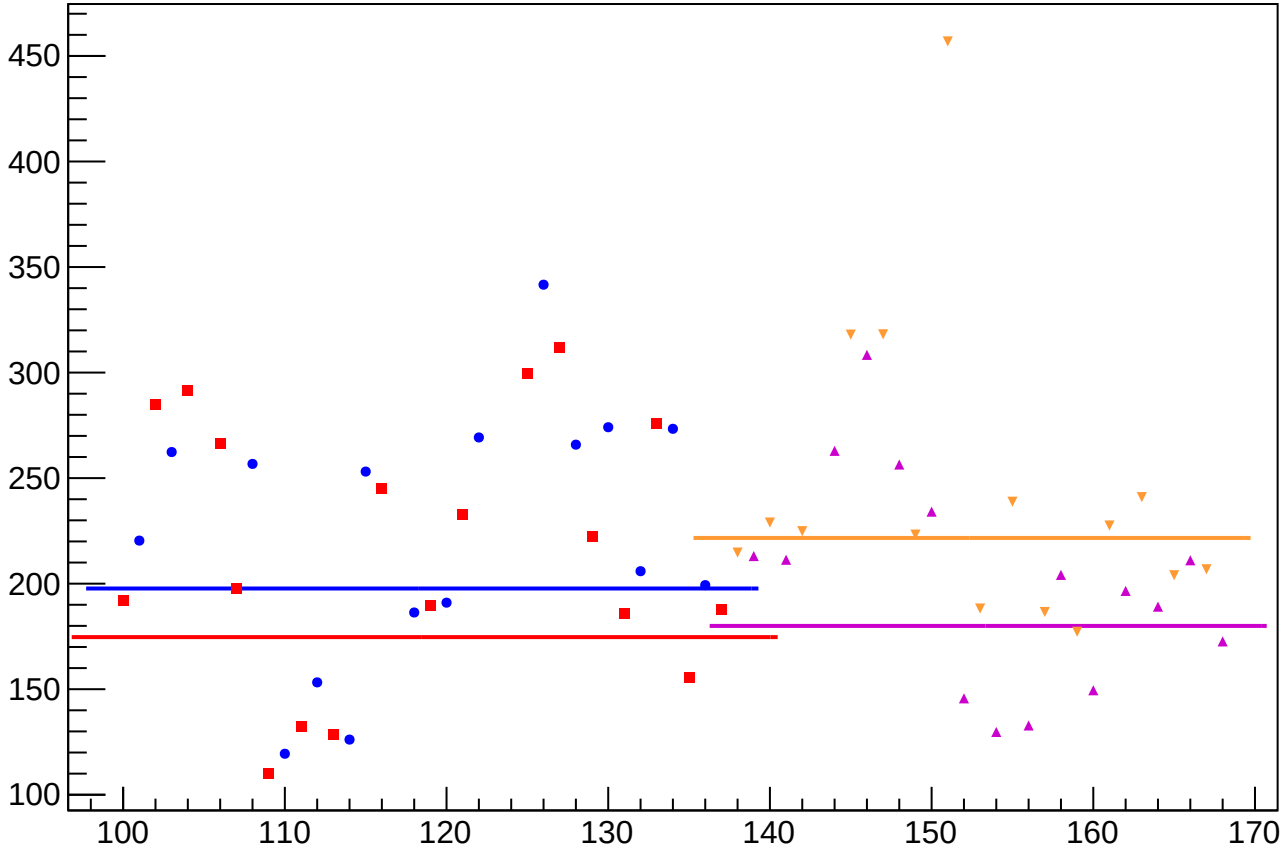
Left In: -138.817+/-54.128 χ^2/NDF:5.9/14

+ sign 69.452+/-50.689 χ^2/NDF: 25.9/30

All: 8.596+/-32.694 χ^2/NDF: 55.6/63

- sign -34.754+/-42.782 χ^2/NDF: 27.2/32

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 221.659+/-0.047 χ^2/NDF:964822.9/14

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

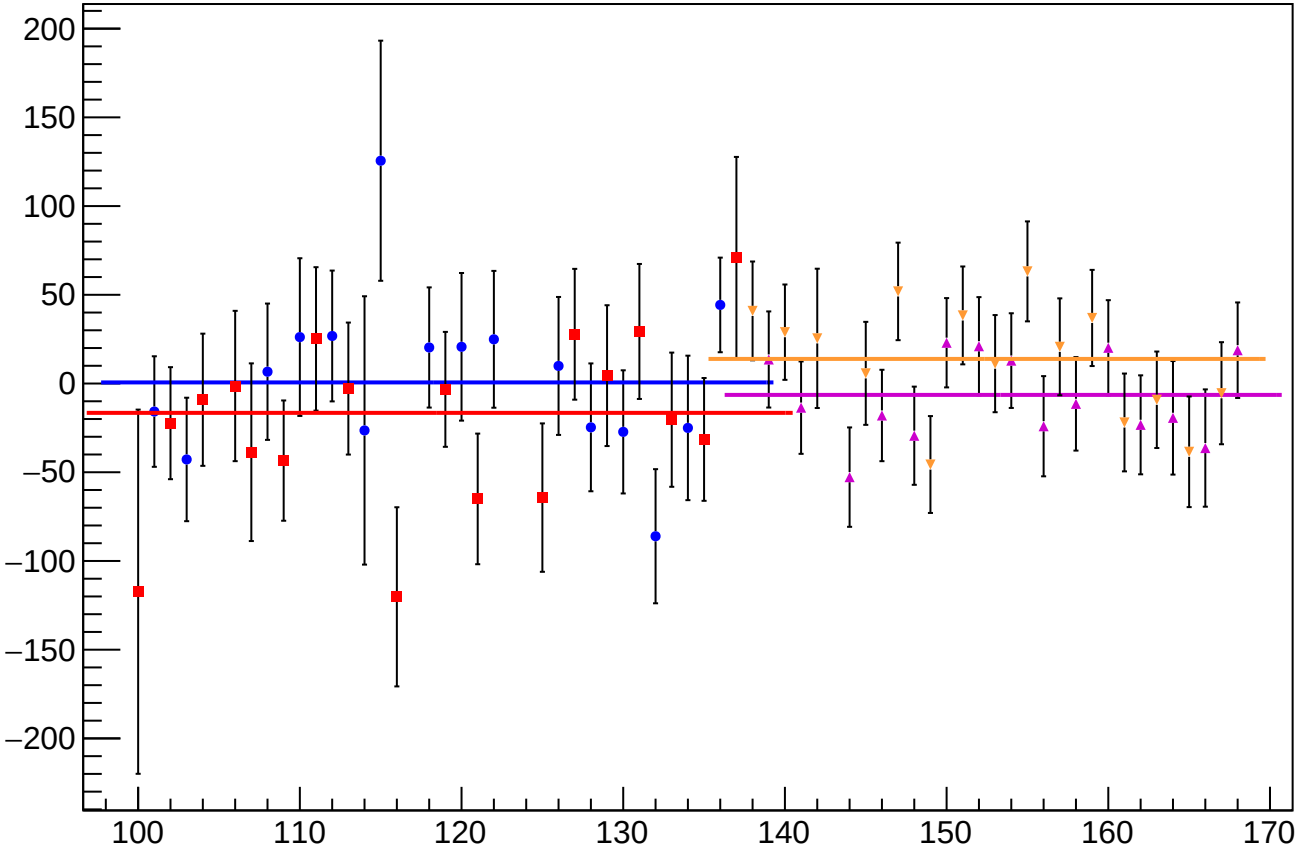
Left In: 179.982+/-0.038 χ^2/NDF:1434587.8/14

+ sign 211.435+/-0.036 χ^2/NDF: 2074395.3/30

All: 191.904+/-0.023 χ^2/NDF: 5559351.5/63

- sign 177.992+/-0.030 χ^2/NDF: 2976544.8/32

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 13.869+/-7.313 χ^2/NDF:18.4/14

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

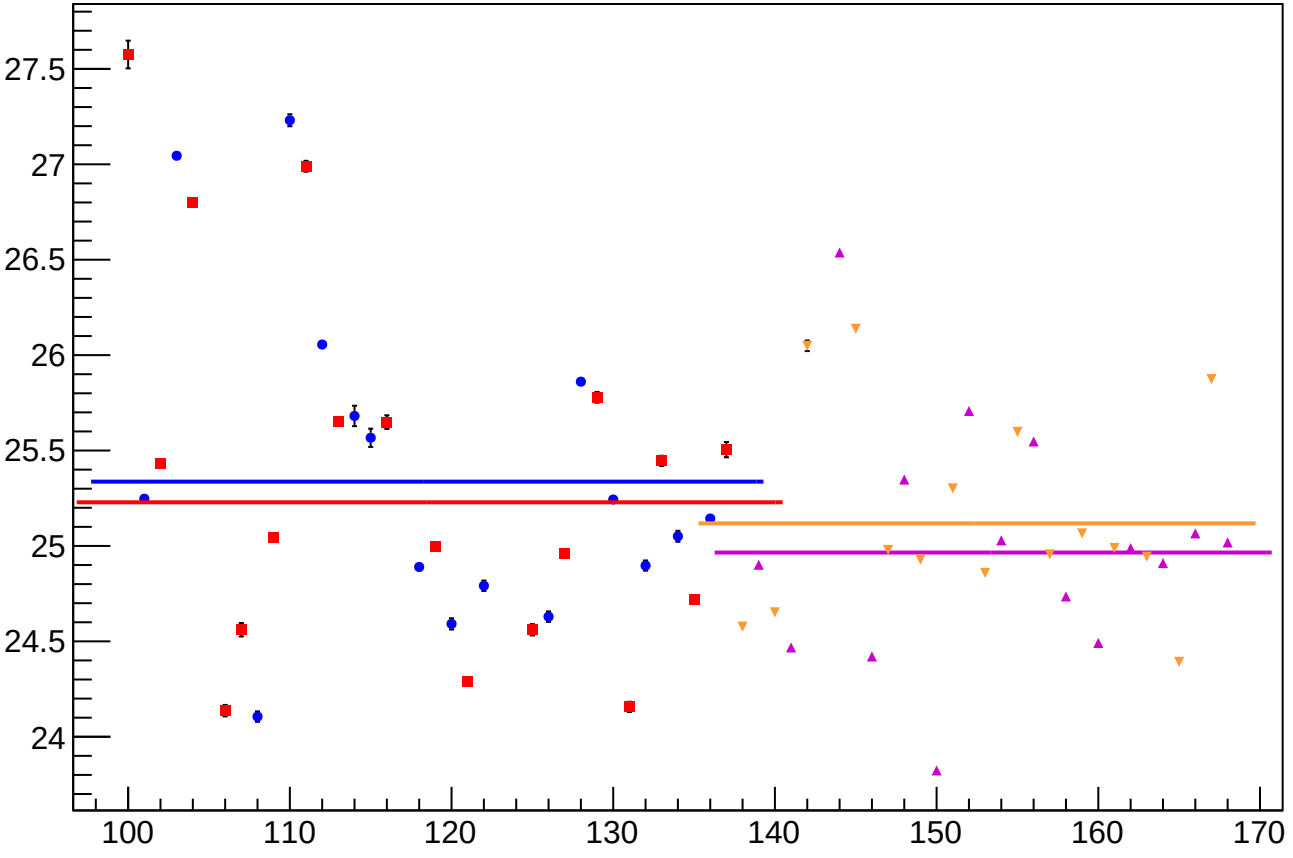
Left In: -6.412+/-7.096 χ^2/NDF:10.8/14

+ sign 8.887+/-5.777 χ^2/NDF: 36.4/30

All: -0.846+/-4.037 χ^2/NDF: 69.8/63

- sign -10.133+/-5.643 χ^2/NDF: 27.9/32

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.118+/-0.005 χ^2/NDF:8617.9/14

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

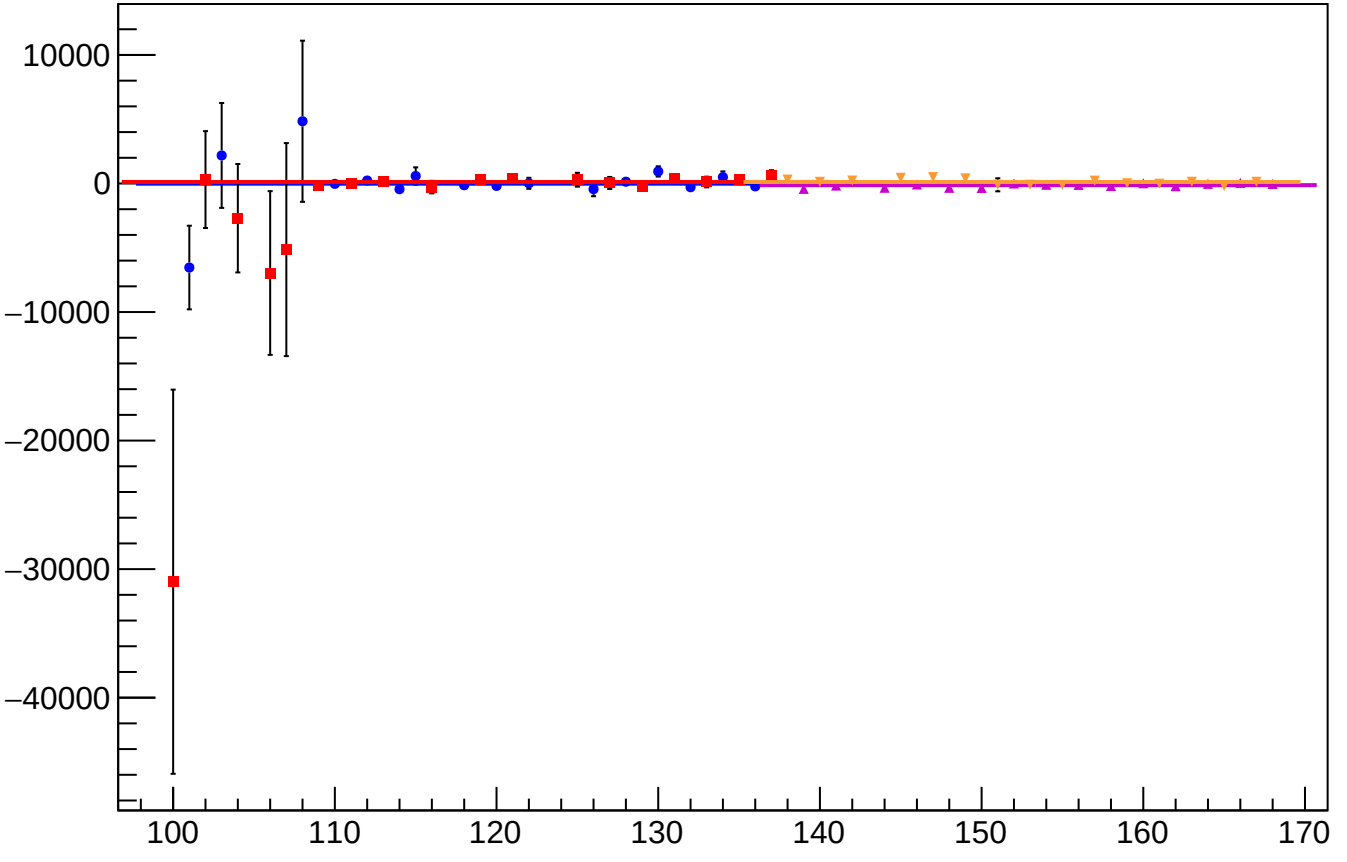
Left In: 24.966+/-0.005 χ^2/NDF:15551.9/14

+ sign 25.201+/-0.004 χ^2/NDF: 23605.3/30

All: 25.130+/-0.003 χ^2/NDF: 55931.5/63

- sign 25.062+/-0.004 χ^2/NDF: 31740.0/32

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 115.774+/-67.318 χ^2/NDF:7.7/14

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

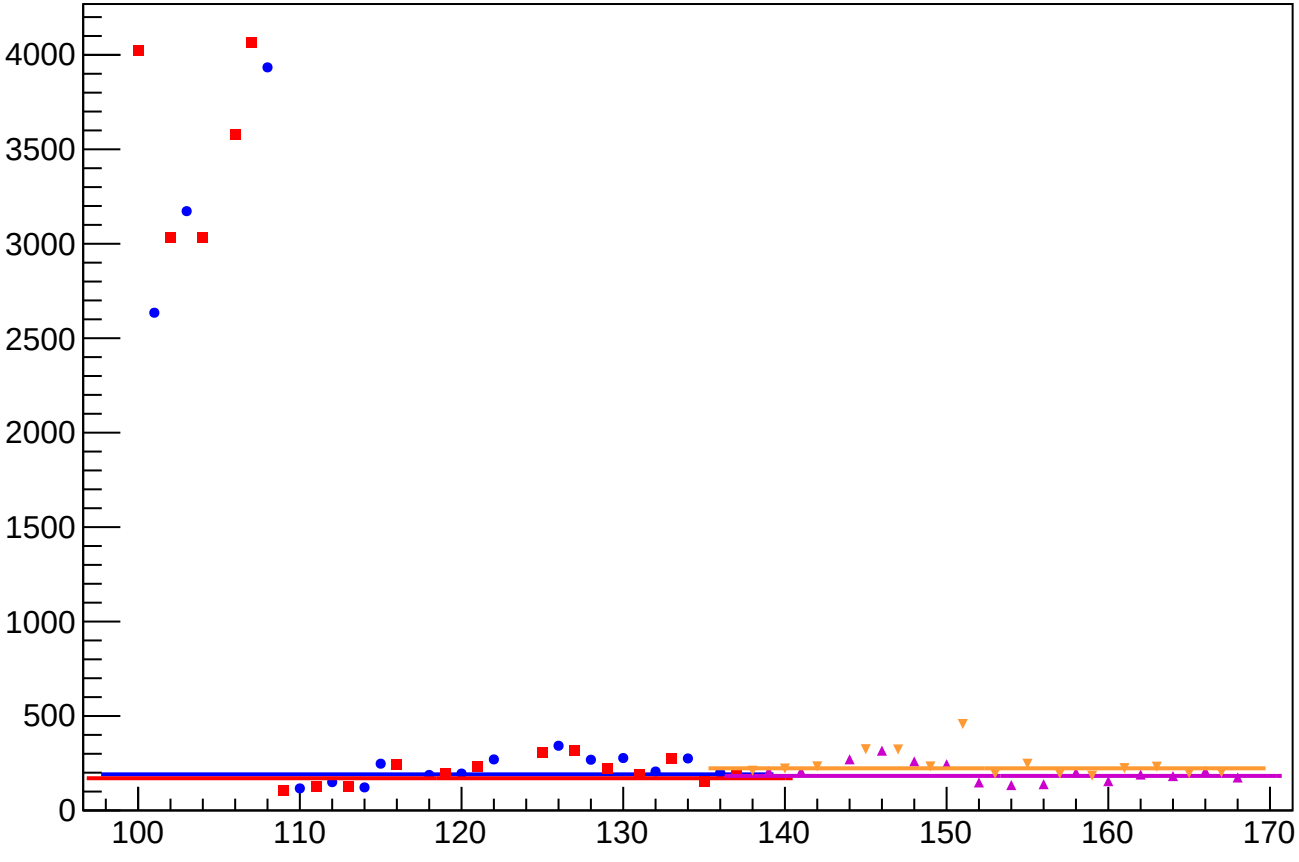
Left In: -126.744+/-54.828 χ^2/NDF:5.6/14

+ sign 65.682+/-52.641 χ^2/NDF: 27.5/30

All: 1.327+/-34.162 χ^2/NDF: 56.7/63

- sign -45.496+/-44.902 χ^2/NDF: 26.6/32

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 223.101+/-0.048 χ^2/NDF:943770.8/14

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

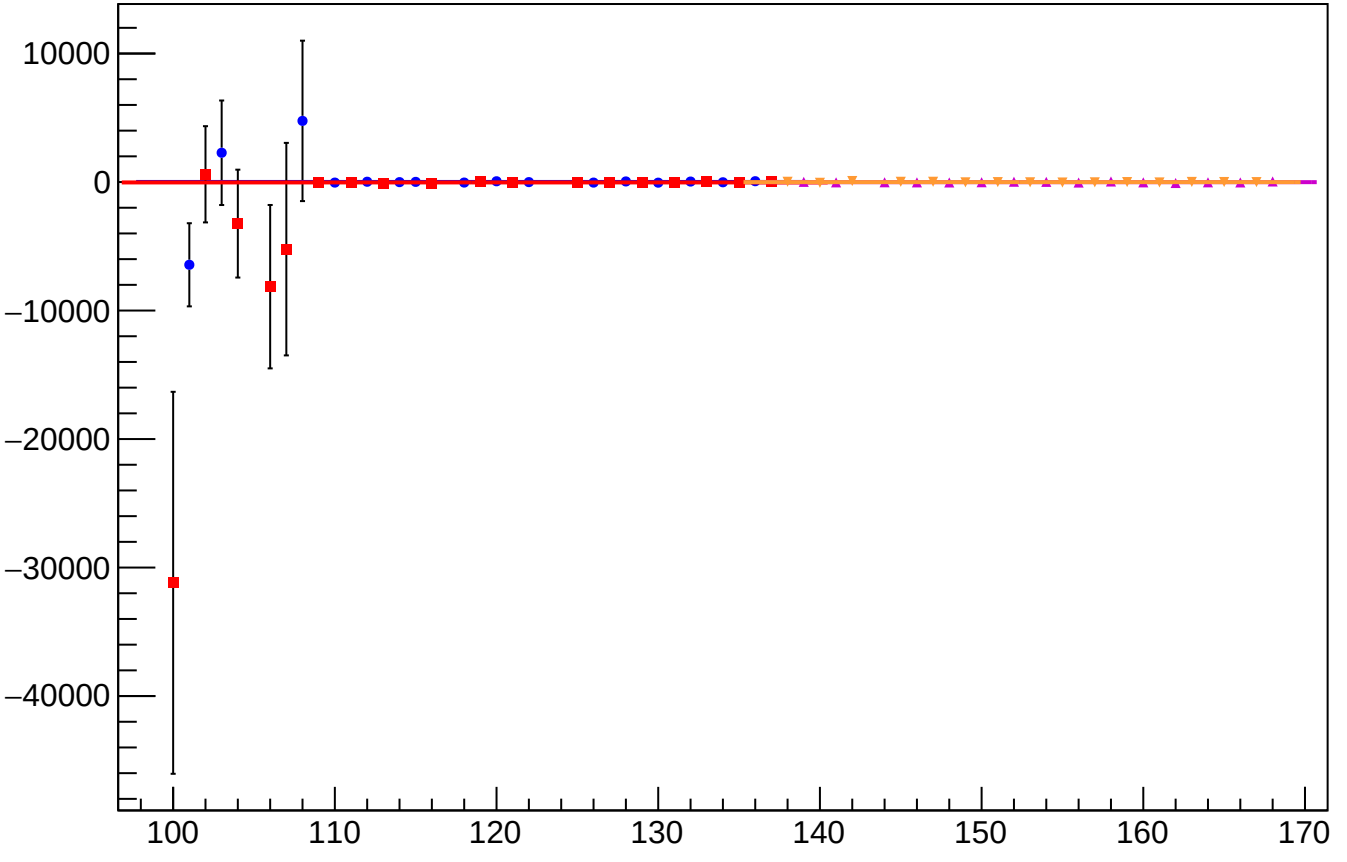
Left In: 182.836+/-0.039 χ^2/NDF:1319788.5/14

+ sign 210.657+/-0.037 χ^2/NDF: 4953647.1/30

All: 192.200+/-0.024 χ^2/NDF: 10986361.5/63

- sign 178.772+/-0.032 χ^2/NDF: 5607984.1/32

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -7.112+/-8.427 χ^2/NDF:10.7/14

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

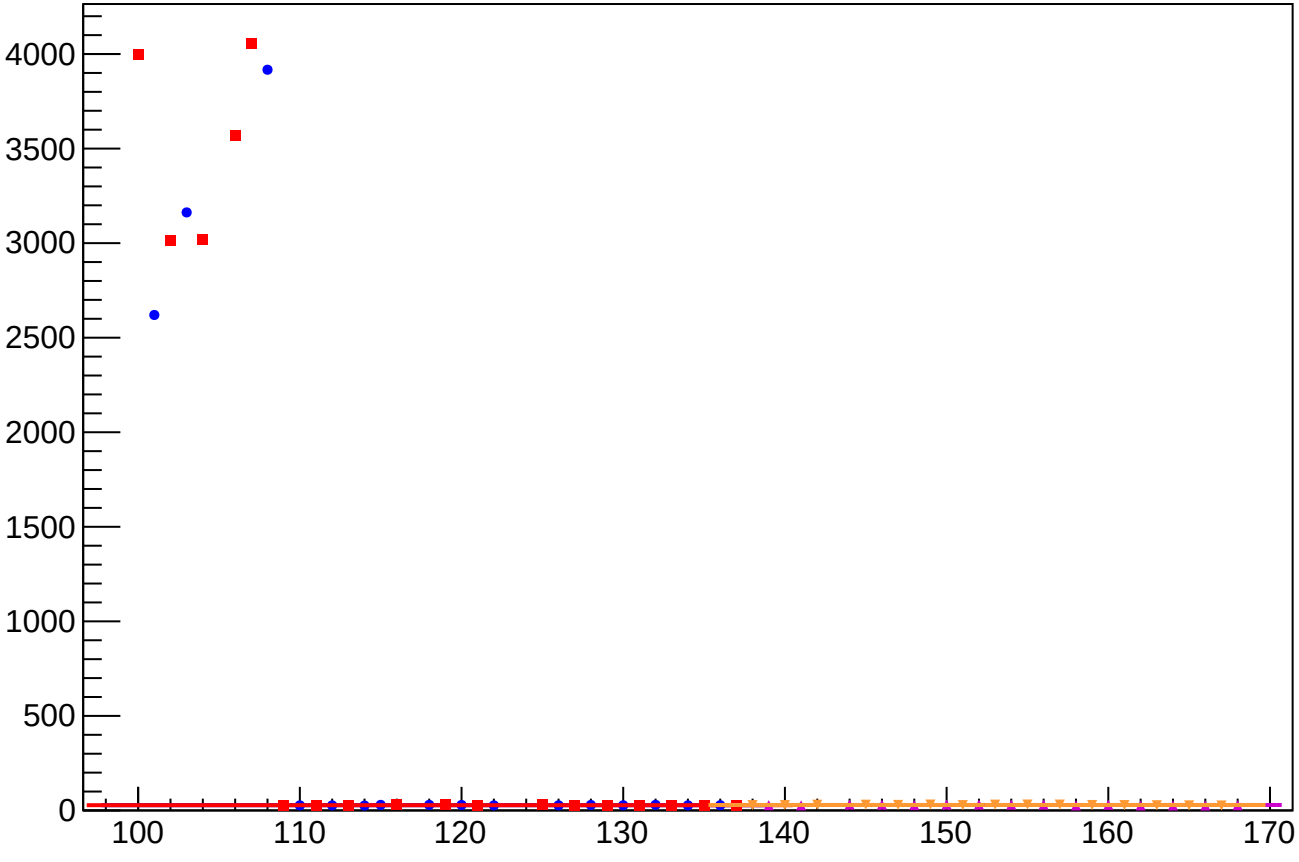
Left In: -8.946+/-8.254 χ^2/NDF:16.0/14

+ sign -2.499+/-6.851 χ^2/NDF: 29.9/30

All: -9.223+/-4.832 χ^2/NDF: 69.9/63

- sign -15.879+/-6.816 χ^2/NDF: 38.1/32

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.883+/-0.006 χ^2/NDF:69722.3/14

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

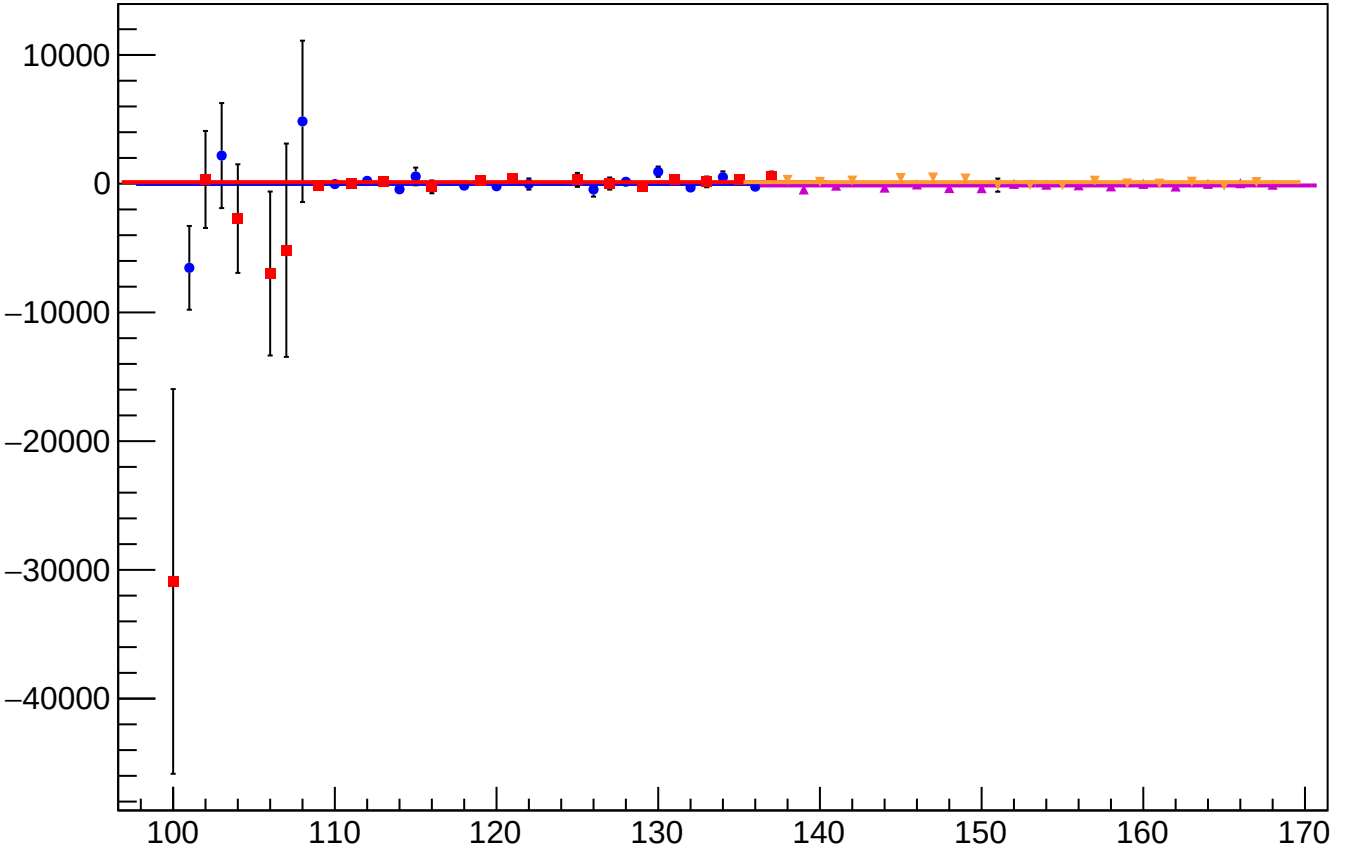
Left In: 28.959+/-0.006 χ^2/NDF:109573.3/14

+ sign 28.524+/-0.005 χ^2/NDF: 3346308.4/30

All: 28.554+/-0.003 χ^2/NDF: 7027381.9/63

- sign 28.583+/-0.005 χ^2/NDF: 3680997.9/32

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 120.533+/-67.840 χ^2/NDF:7.4/14

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

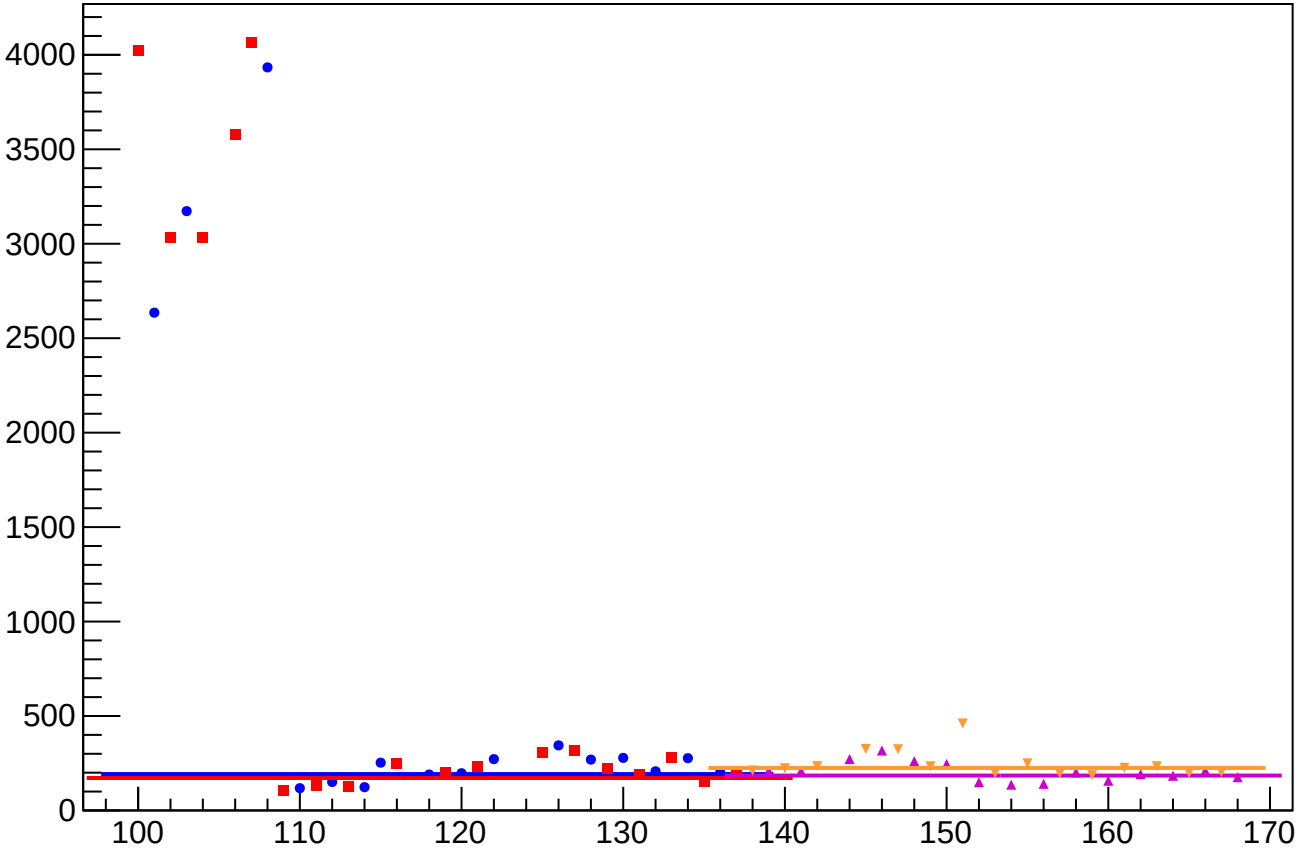
Left In: -136.210+/-55.349 χ^2/NDF:5.3/14

+ sign 66.084+/-53.038 χ^2/NDF: 27.3/30

All: -1.682+/-34.446 χ^2/NDF: 55.8/63

- sign -51.119+/-45.301 χ^2/NDF: 25.7/32

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 224.939+/-0.048 χ^2/NDF:929349.7/14

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

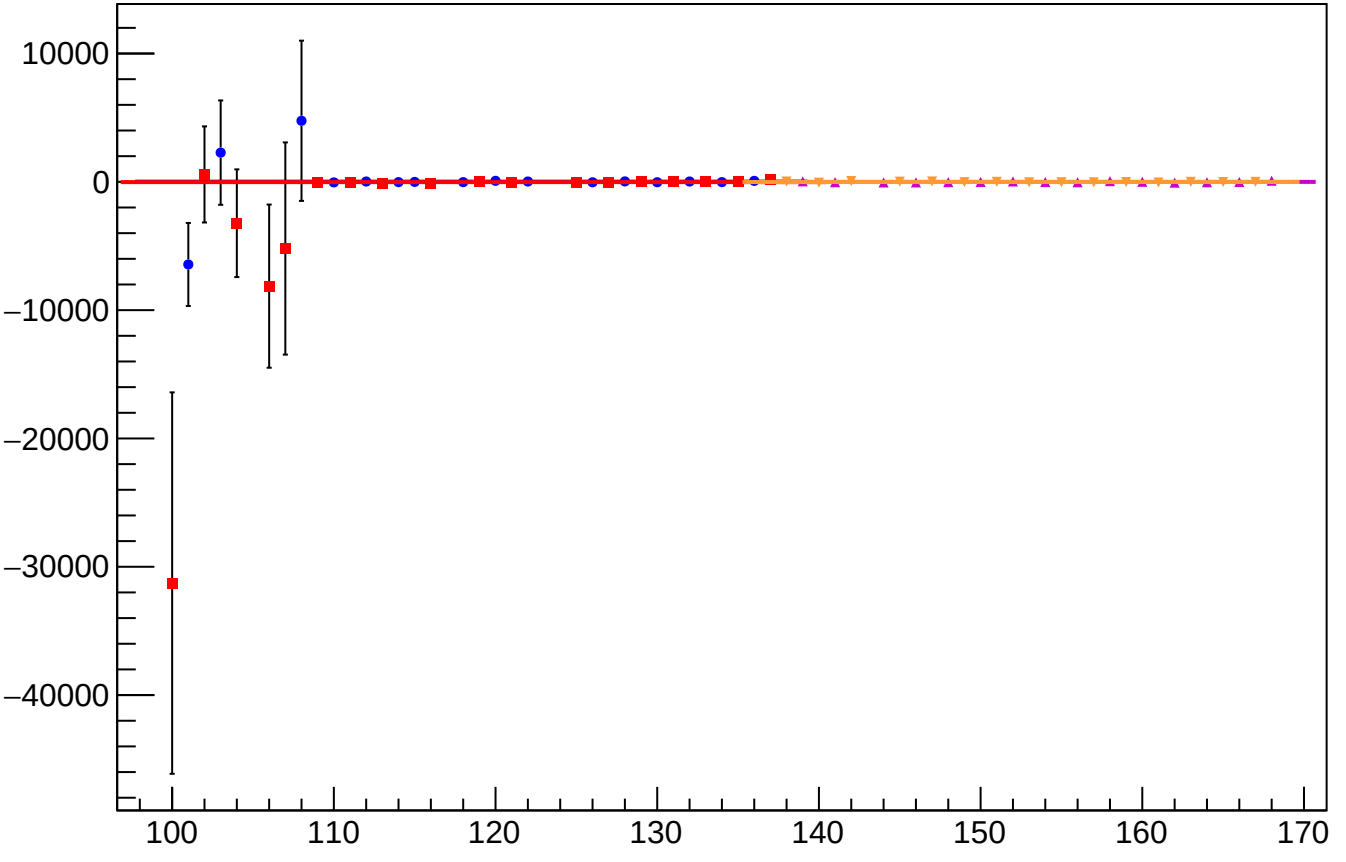
Left In: 184.757+/-0.039 χ^2/NDF:1279997.5/14

+ sign 212.351+/-0.038 χ^2/NDF: 4929263.6/30

All: 193.942+/-0.024 χ^2/NDF: 10909413.2/63

- sign 180.512+/-0.032 χ^2/NDF: 5563433.0/32

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -14.188+/-9.067 χ^2/NDF:11.5/14

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

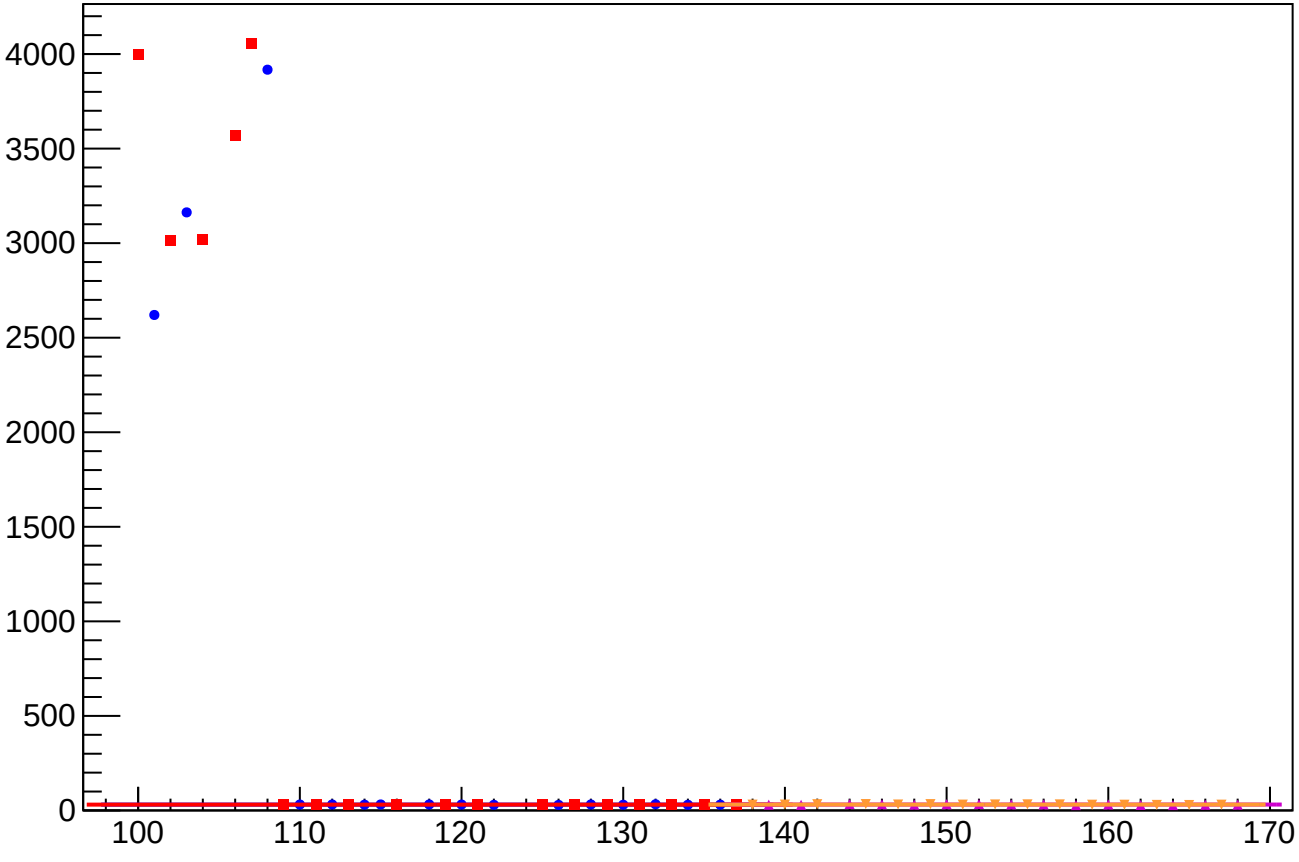
Left In: -3.476+/-8.891 χ^2/NDF:22.5/14

+ sign -5.115+/-7.448 χ^2/NDF: 30.1/30

All: -7.129+/-5.252 χ^2/NDF: 82.4/63

- sign -9.120+/-7.405 χ^2/NDF: 52.2/32

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.104+/-0.006 χ^2/NDF:41673.5/14

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

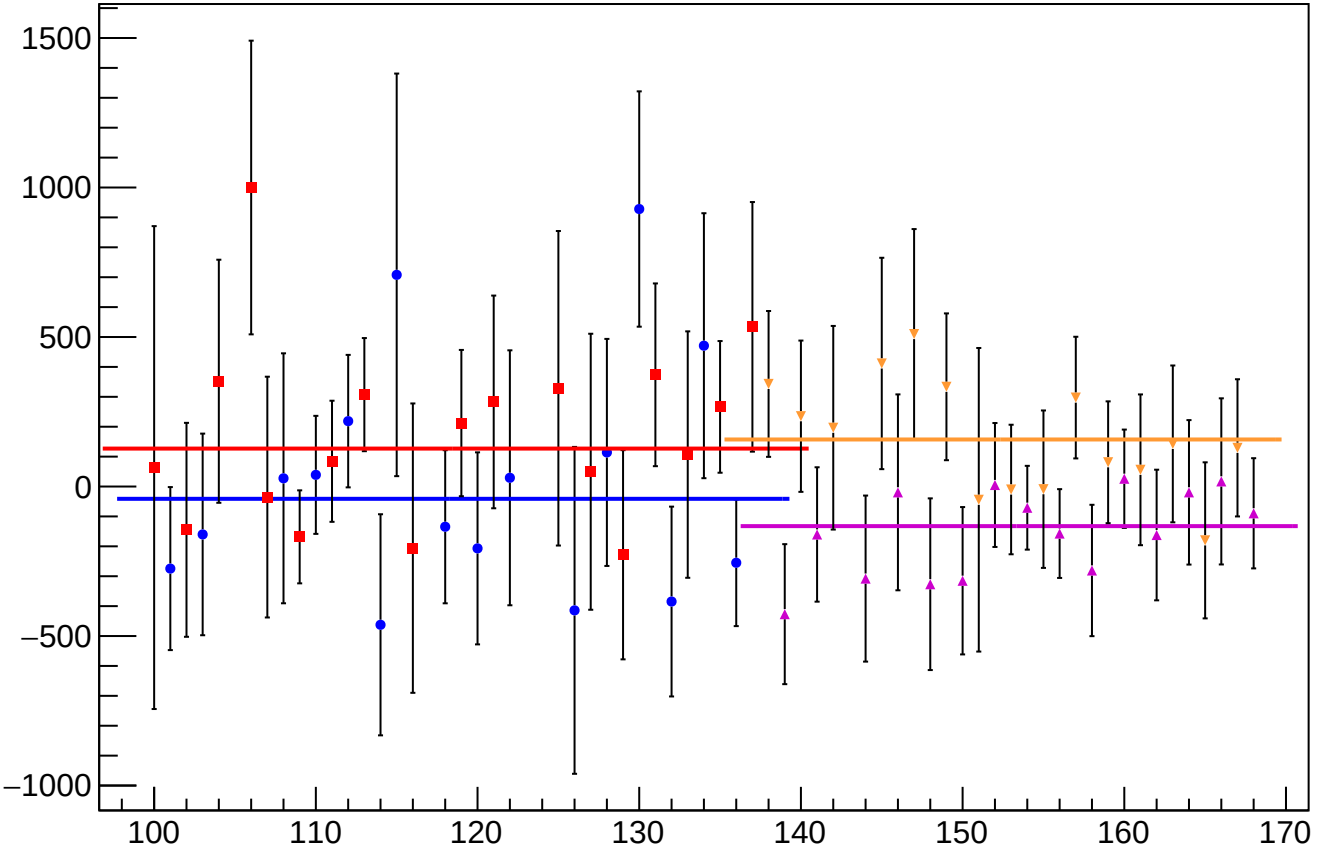
Left In: 31.215+/-0.006 χ^2/NDF:76829.4/14

+ sign 31.047+/-0.005 χ^2/NDF: 3294525.3/30

All: 31.068+/-0.004 χ^2/NDF: 6908654.5/63

- sign 31.089+/-0.005 χ^2/NDF: 3614096.9/32

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 157.334+/-66.574 χ^2/NDF:6.3/14

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

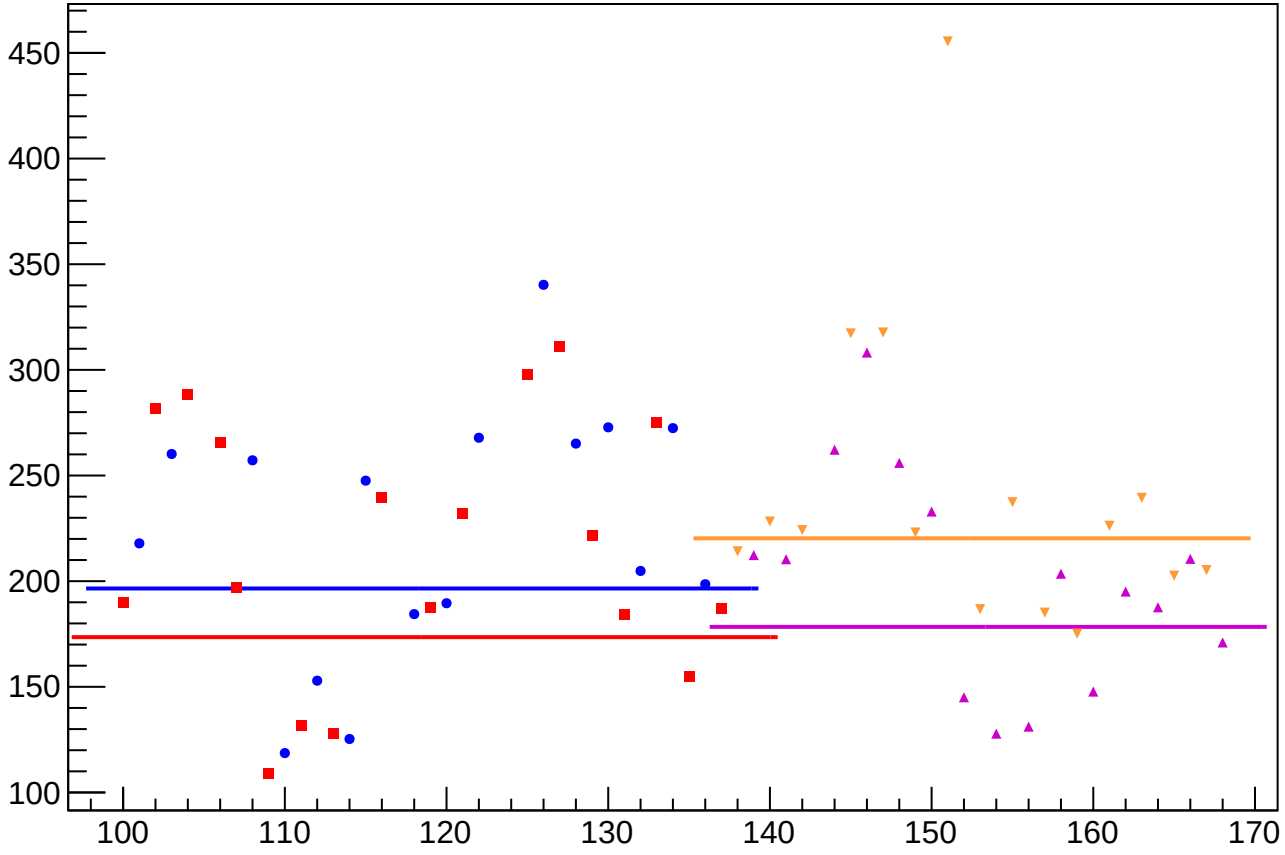
Left In: -132.434+/-53.703 χ^2/NDF:5.8/14

+ sign 72.620+/-50.400 χ^2/NDF: 25.8/30

All: 9.522+/-32.476 χ^2/NDF: 55.7/63

- sign -35.277+/-42.468 χ^2/NDF: 27.3/32

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 220.274+/-0.047 χ^2/NDF:981273.2/14

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

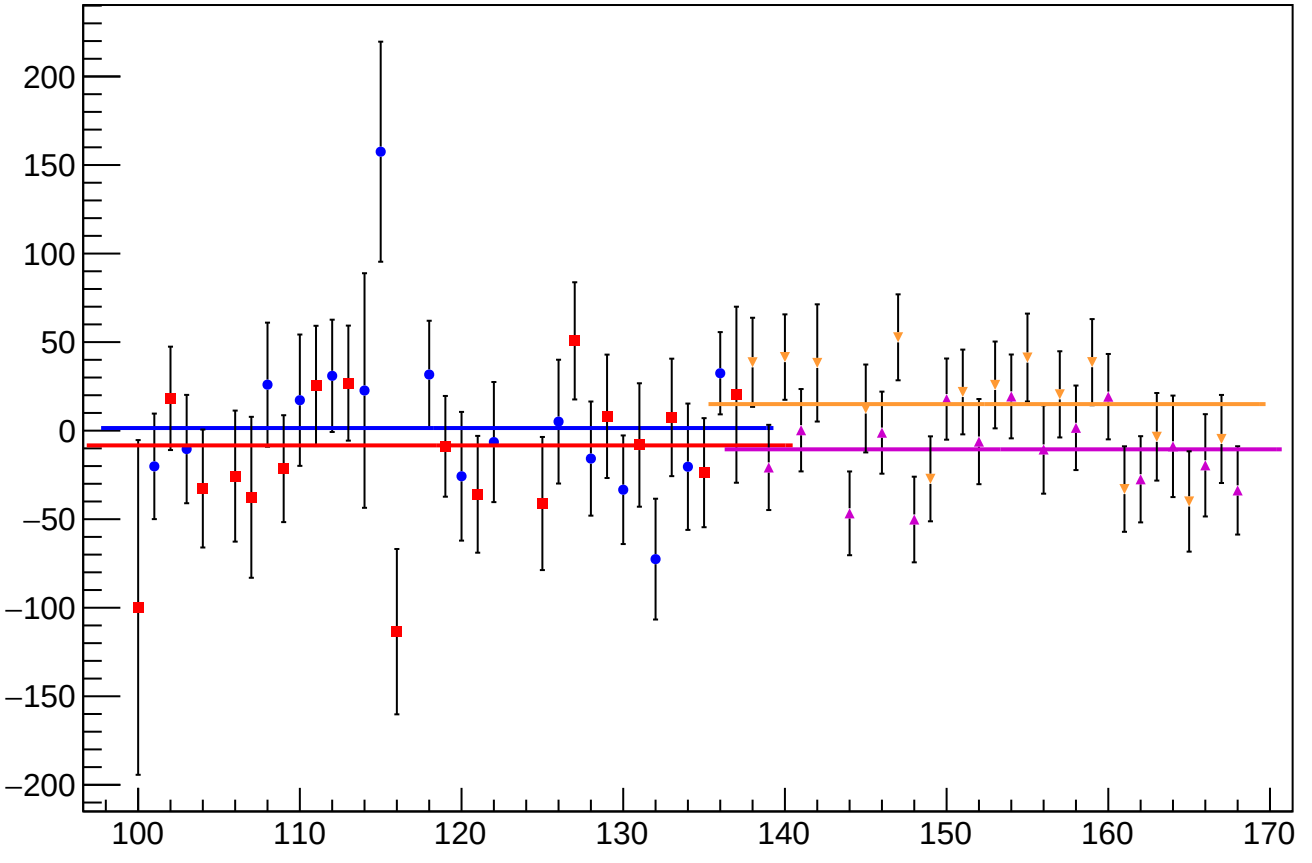
Left In: 178.373+/-0.038 χ^2/NDF:1477702.0/14

+ sign 210.143+/-0.036 χ^2/NDF: 2090530.4/30

All: 190.499+/-0.023 χ^2/NDF: 5626686.6/63

- sign 176.551+/-0.030 χ^2/NDF: 3016568.4/32

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 14.991+/-6.469 χ^2/NDF:19.4/14

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

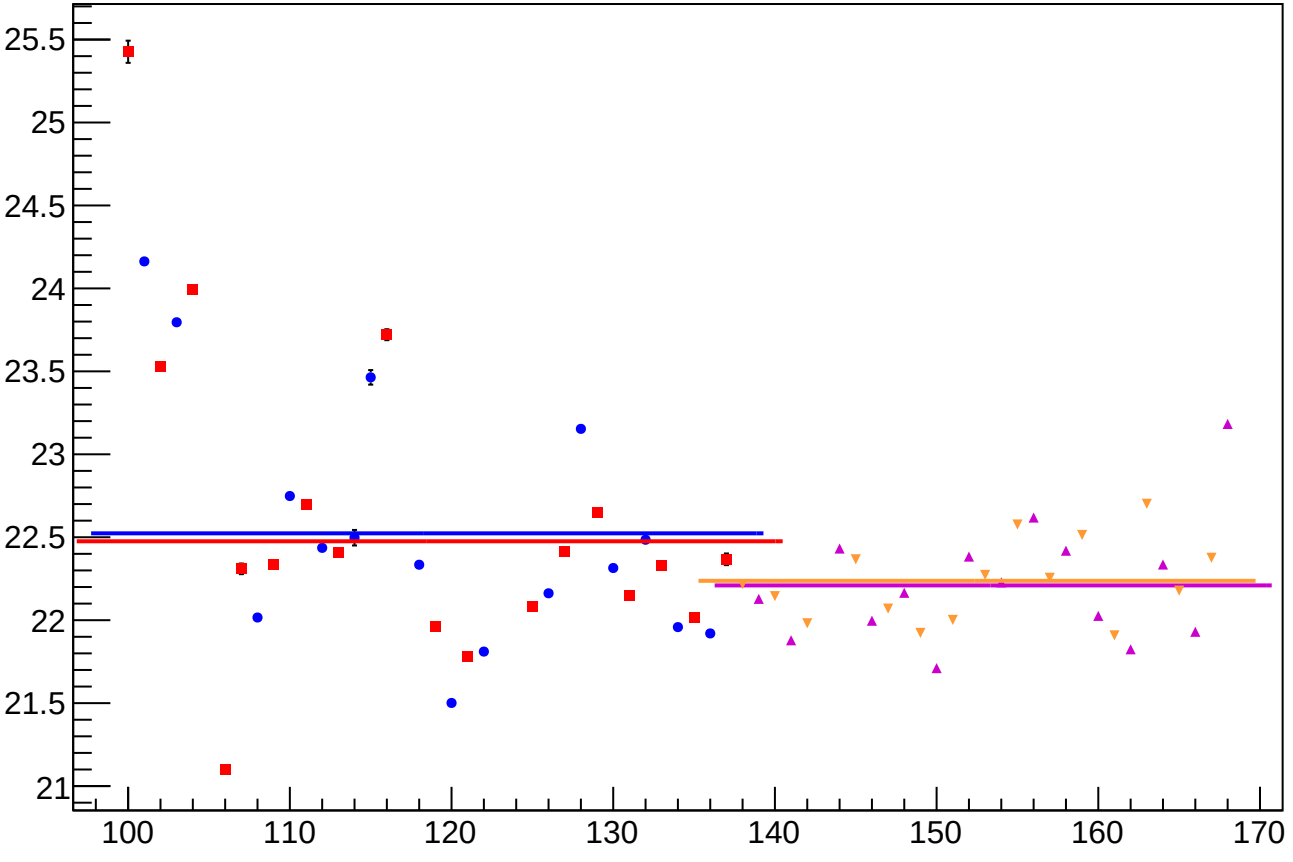
Left In: -10.547+/-6.306 χ^2/NDF:12.0/14

+ sign 9.937+/-5.119 χ^2/NDF: 39.7/30

All: -0.093+/-3.583 χ^2/NDF: 75.3/63

- sign -9.733+/-5.018 χ^2/NDF: 28.0/32

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.237+/-0.005 χ^2/NDF:2621.4/14

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

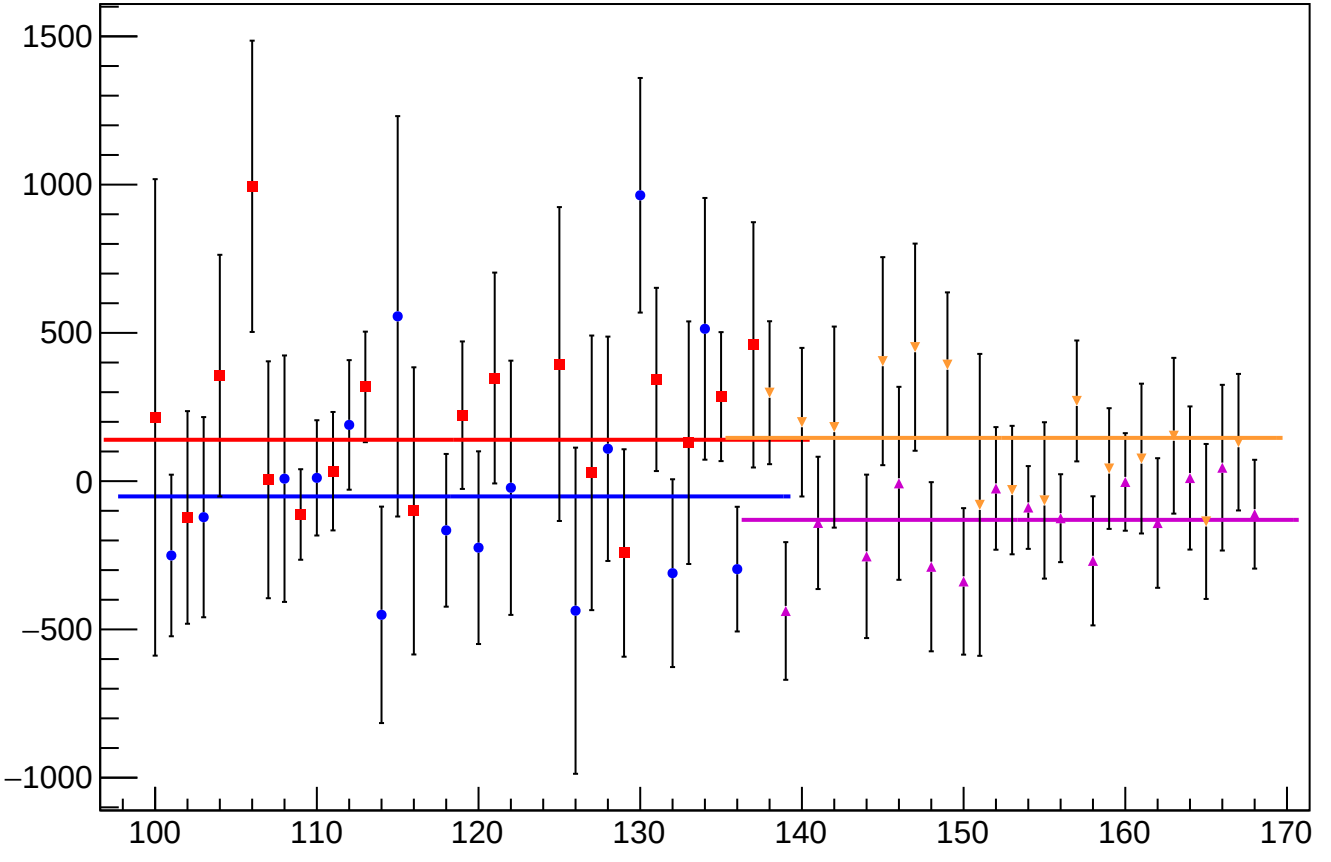
Left In: 22.210+/-0.004 χ^2/NDF:6412.3/14

+ sign 22.344+/-0.004 χ^2/NDF: 20033.1/30

All: 22.325+/-0.003 χ^2/NDF: 43340.9/63

- sign 22.307+/-0.004 χ^2/NDF: 23254.1/32

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 145.903+/-66.459 χ^2/NDF:6.2/14

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

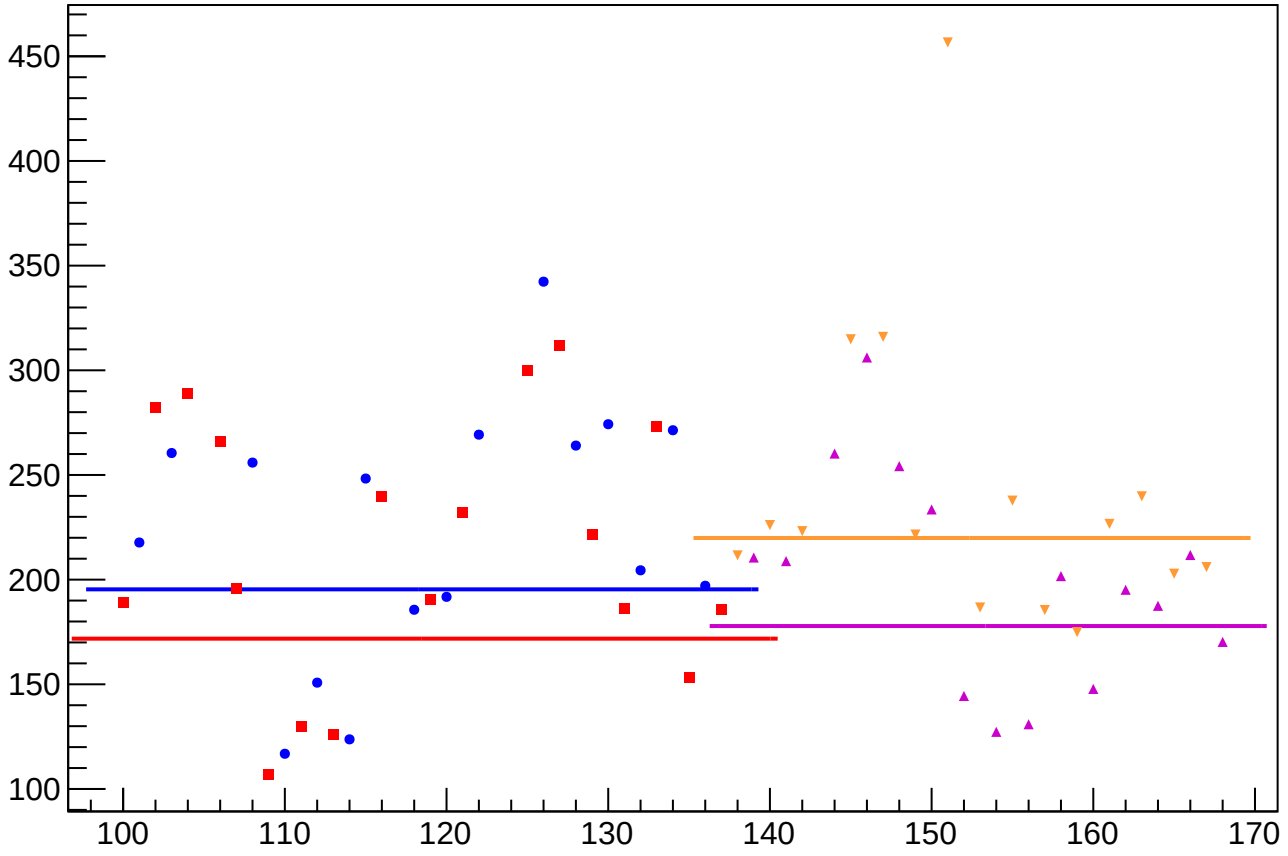
Left In: -130.536+/-53.542 χ^2/NDF:5.2/14

+ sign 61.378+/-50.254 χ^2/NDF: 25.3/30

All: 8.555+/-32.351 χ^2/NDF: 53.5/63

- sign -28.825+/-42.275 χ^2/NDF: 26.4/32

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 219.903+/-0.047 χ^2/NDF:973586.2/14

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

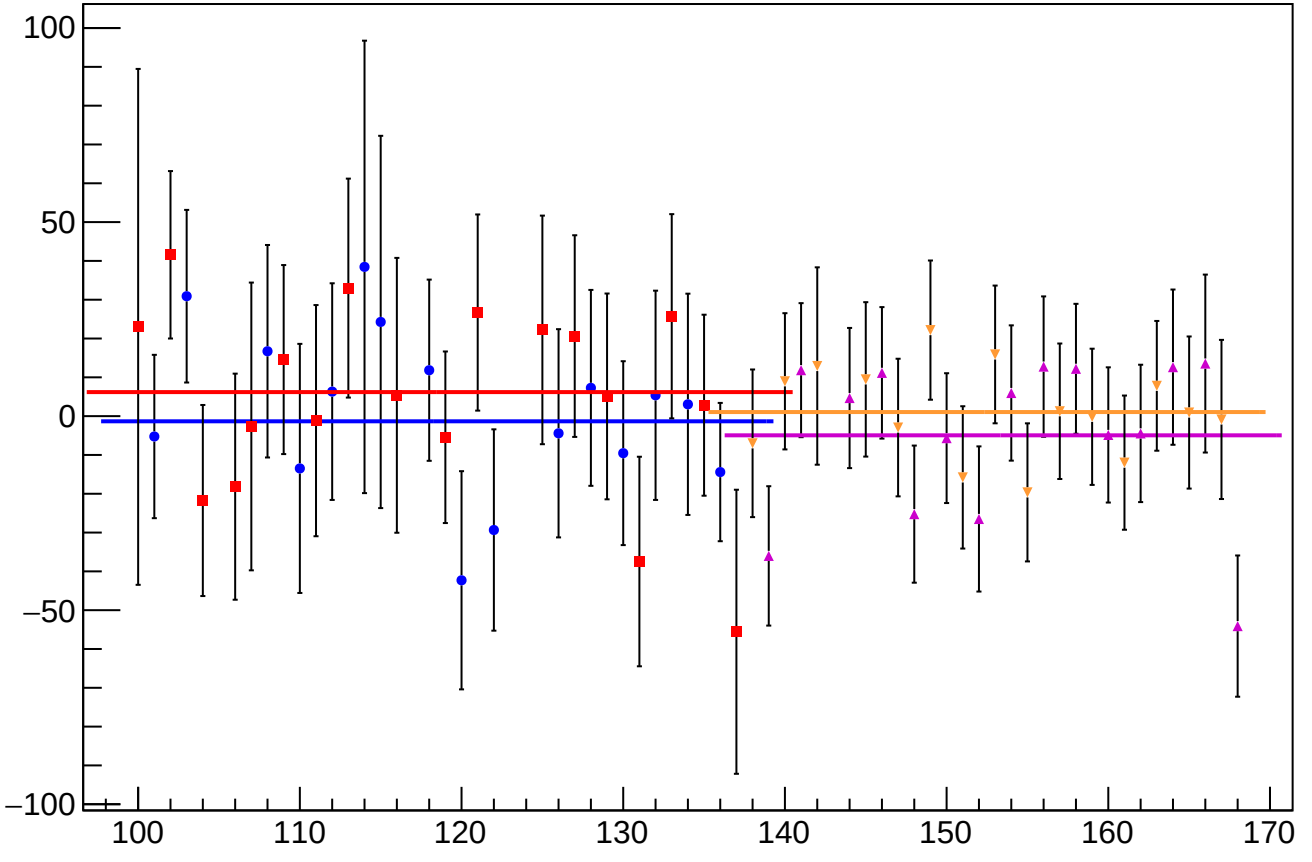
Left In: 177.835+/-0.038 χ^2/NDF:1467361.5/14

+ sign 209.394+/-0.036 χ^2/NDF: 2131805.2/30

All: 189.583+/-0.023 χ^2/NDF: 5740126.0/63

- sign 175.564+/-0.030 χ^2/NDF: 3077578.9/32

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.055+/-4.761 χ^2/NDF:5.9/14

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

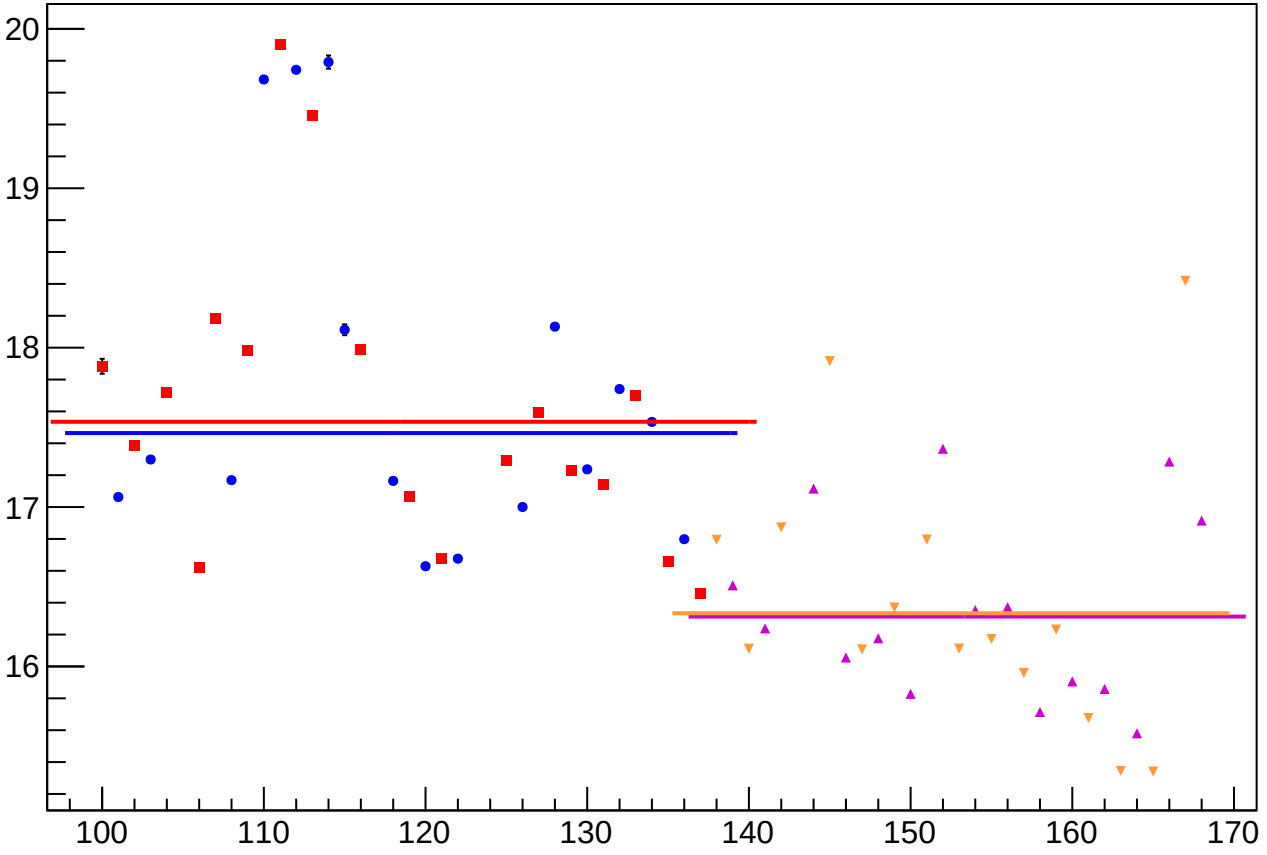
Left In: -4.942+/-4.639 χ^2/NDF:18.9/14

+ sign 0.222+/-3.841 χ^2/NDF: 14.0/30

All: -0.483+/-2.691 χ^2/NDF: 48.3/63

- sign -1.163+/-3.771 χ^2/NDF: 34.3/32

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.334+/-0.003 χ^2/NDF:53838.4/14

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

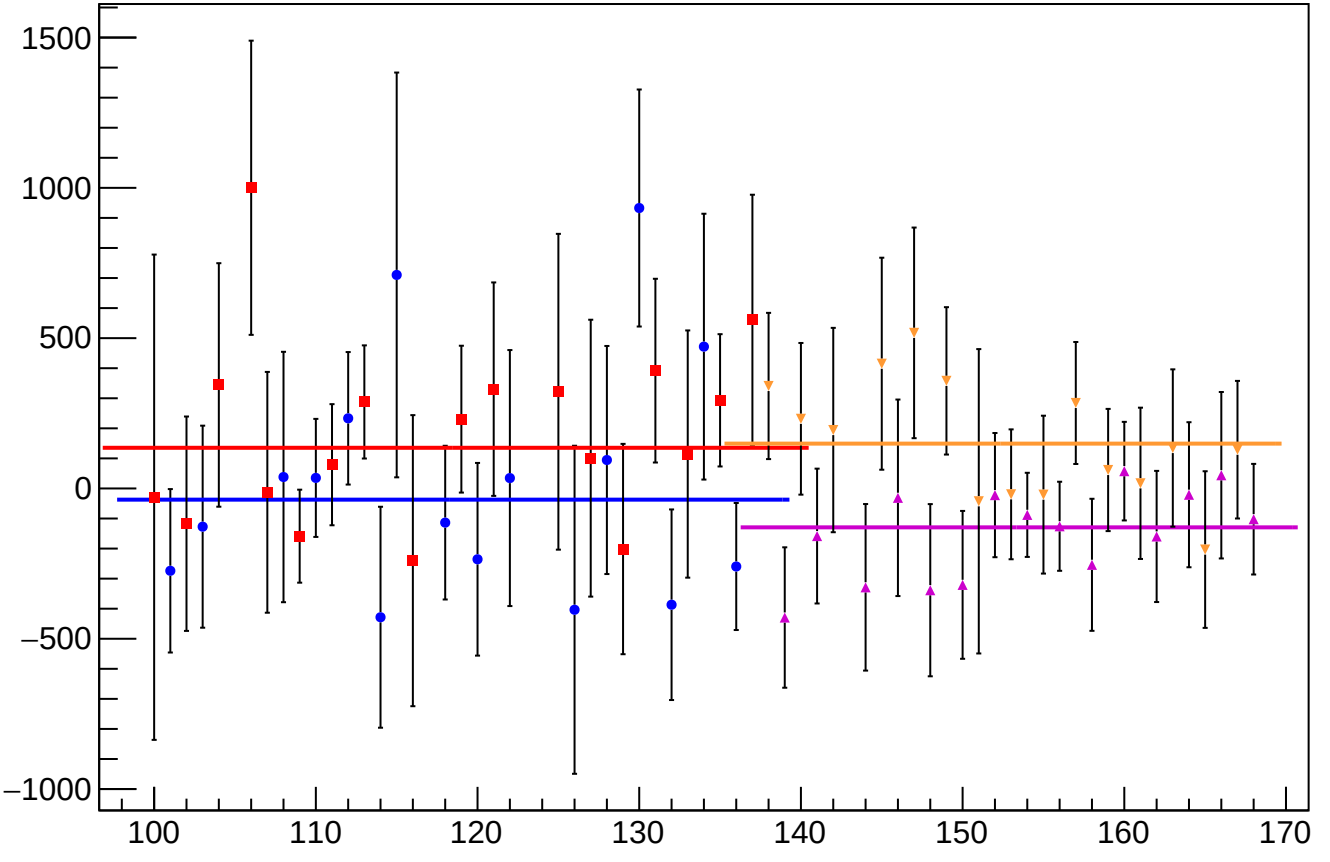
Left In: 16.313+/-0.003 χ^2/NDF:26289.4/14

\+ sign 16.729+/-0.003 χ^2/NDF: 129867.5/30

All: 16.728+/-0.002 χ^2/NDF: 237737.8/63

\- sign 16.728+/-0.003 χ^2/NDF: 107870.2/32

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 149.151+/-66.427 χ^2/NDF:7.1/14

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

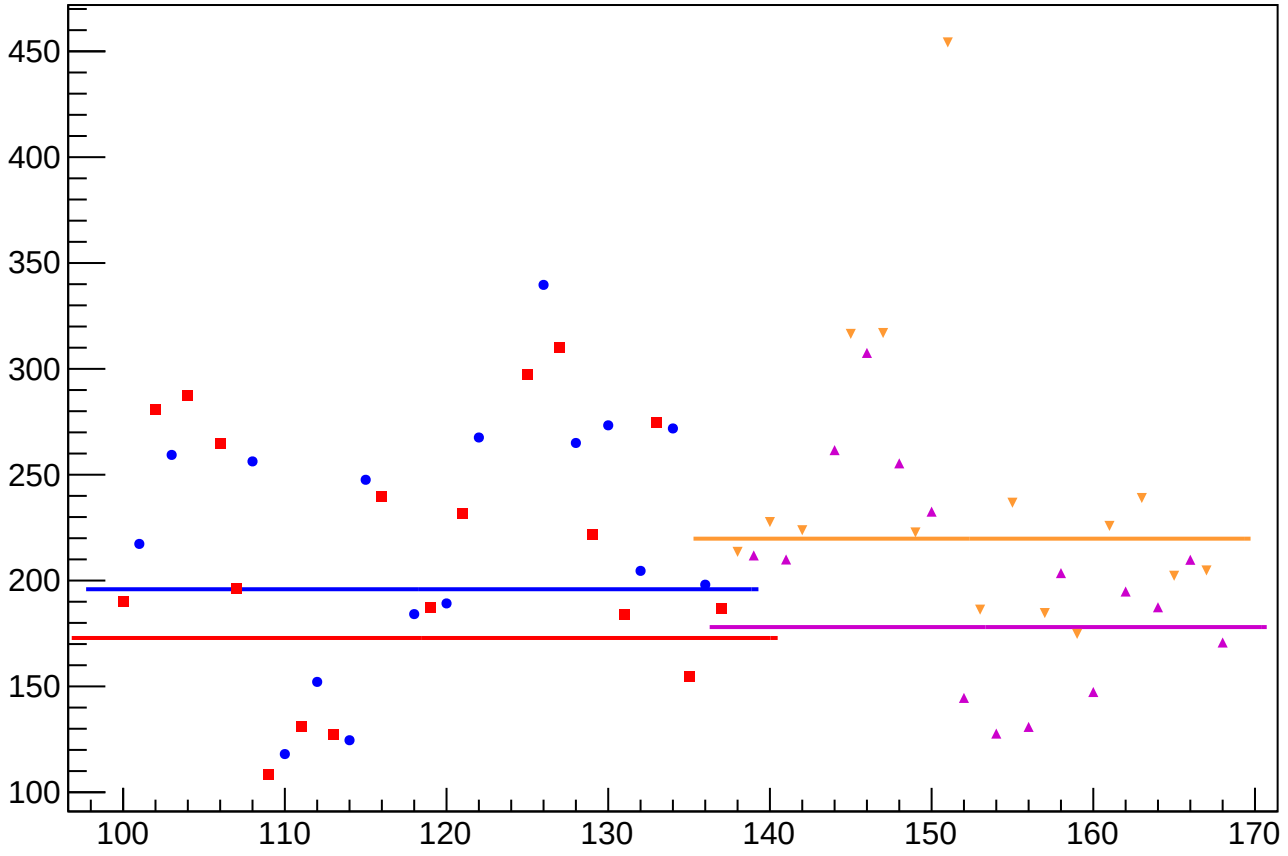
Left In: -129.406+/-53.598 χ^2/NDF:6.0/14

+ sign 69.520+/-50.273 χ^2/NDF: 26.1/30

All: 11.277+/-32.396 χ^2/NDF: 56.4/63

- sign -30.081+/-42.364 χ^2/NDF: 28.0/32

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 219.791+/-0.047 χ^2/NDF:980992.8/14

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

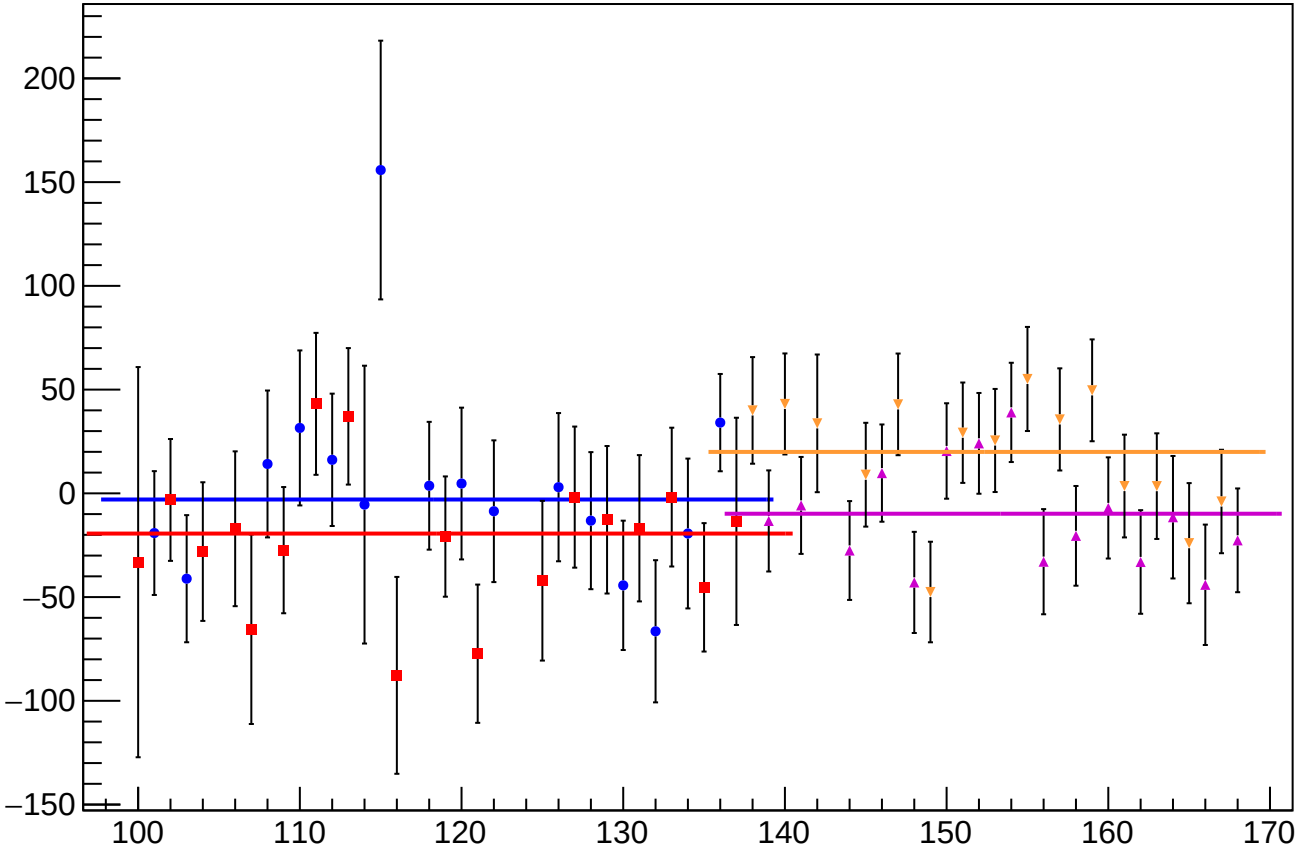
Left In: 178.028+/-0.038 χ^2/NDF:1477698.6/14

\+ sign 209.584+/-0.036 χ^2/NDF: 2102535.2/30

All: 190.000+/-0.023 χ^2/NDF: 5649437.2/63

\- sign 176.094+/-0.030 χ^2/NDF: 3027900.6/32

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 19.969+/-6.554 χ^2/NDF:18.6/14

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

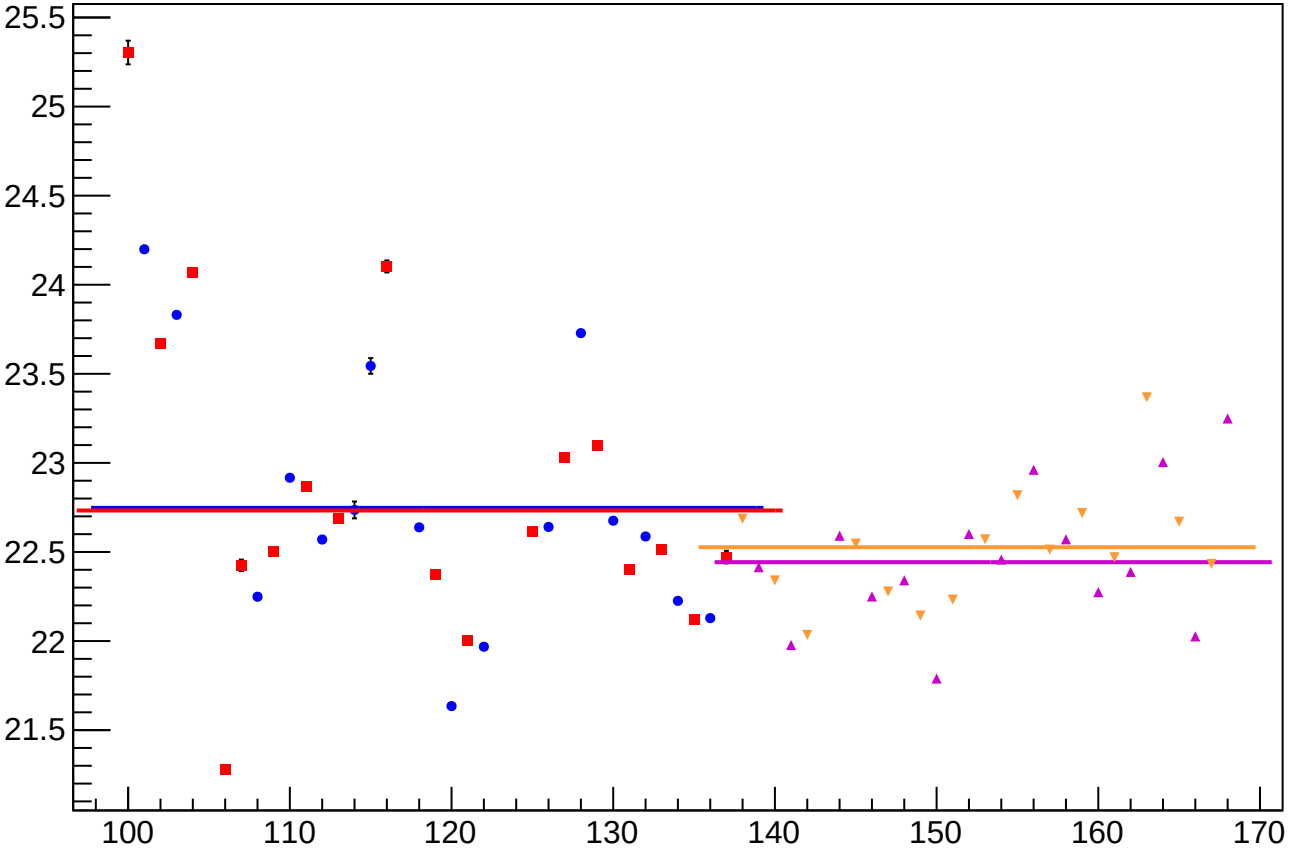
Left In: -9.824+/-6.373 χ^2/NDF:14.6/14

+ sign 11.359+/-5.180 χ^2/NDF: 41.1/30

All: -1.242+/-3.624 χ^2/NDF: 82.6/63

- sign -13.327+/-5.073 χ^2/NDF: 29.9/32

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.527+/-0.005 χ^2/NDF:4308.8/14

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

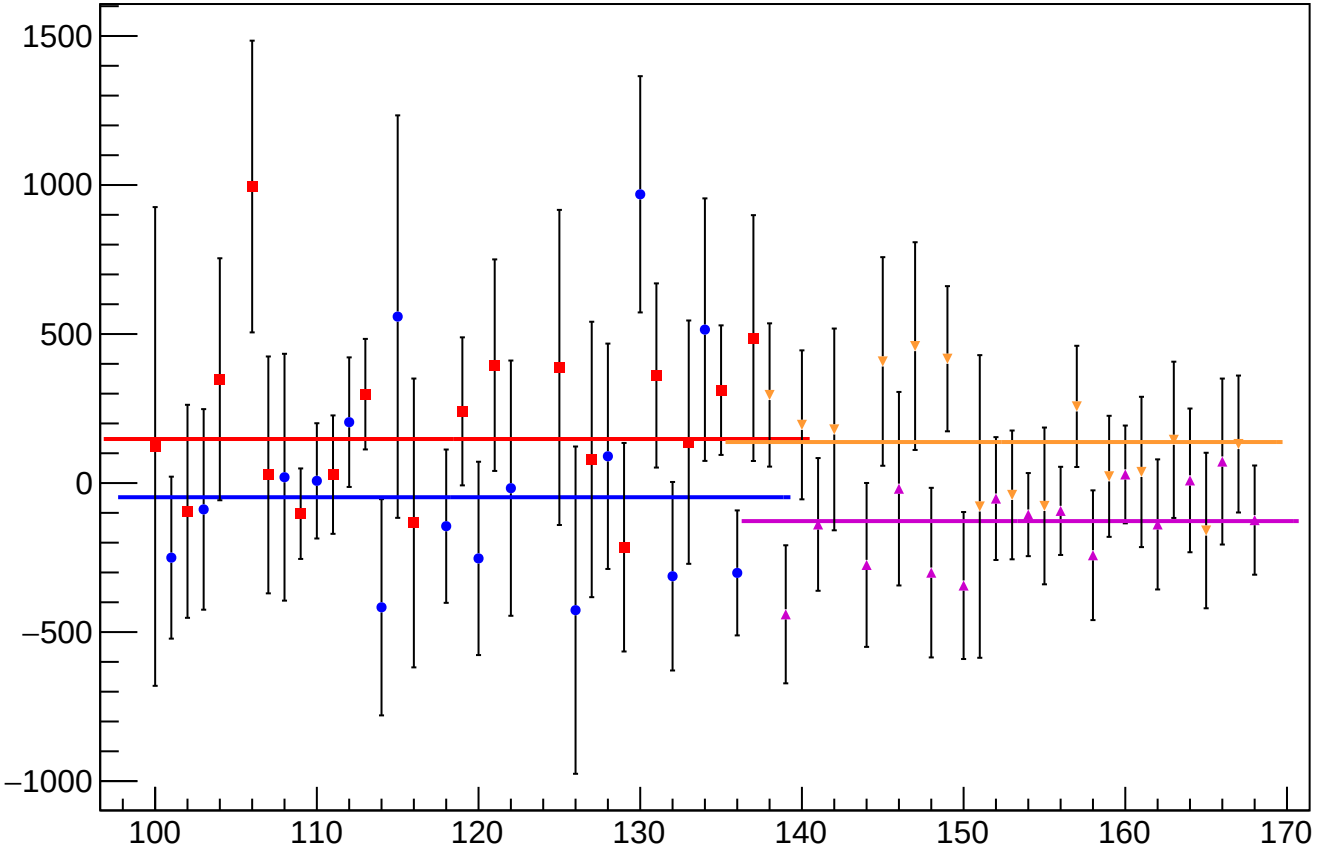
Left In: 22.443+/-0.005 χ^2/NDF:6958.4/14

+ sign 22.609+/-0.004 χ^2/NDF: 19784.8/30

All: 22.579+/-0.003 χ^2/NDF: 42790.6/63

- sign 22.549+/-0.004 χ^2/NDF: 22866.9/32

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 137.648+/-66.312 χ^2/NDF:6.9/14

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

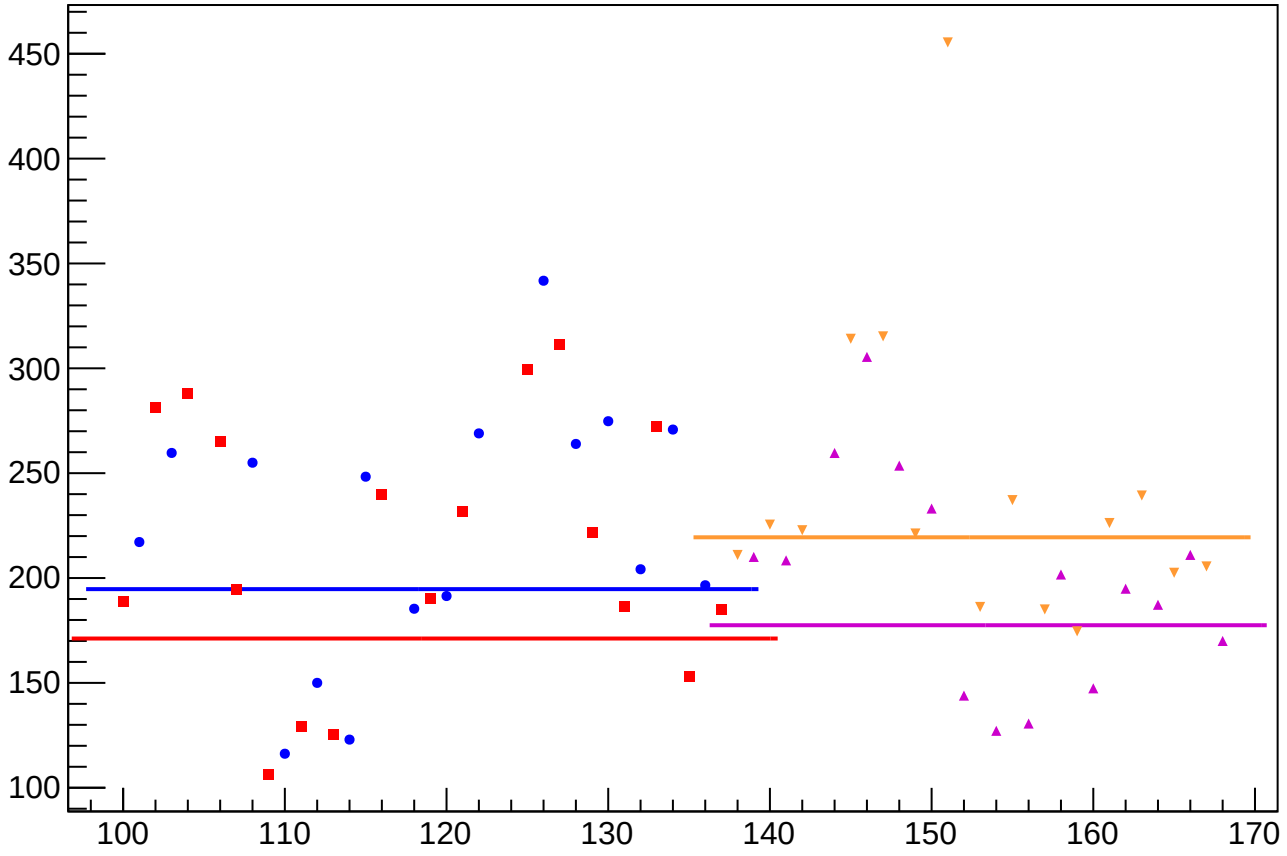
Left In: -127.618+/-53.438 χ^2/NDF:5.6/14

+ sign 58.290+/-50.127 χ^2/NDF: 25.6/30

All: 10.271+/-32.270 χ^2/NDF: 54.4/63

- sign -23.714+/-42.171 χ^2/NDF: 27.2/32

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 219.421+/-0.047 χ^2/NDF:973311.7/14

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

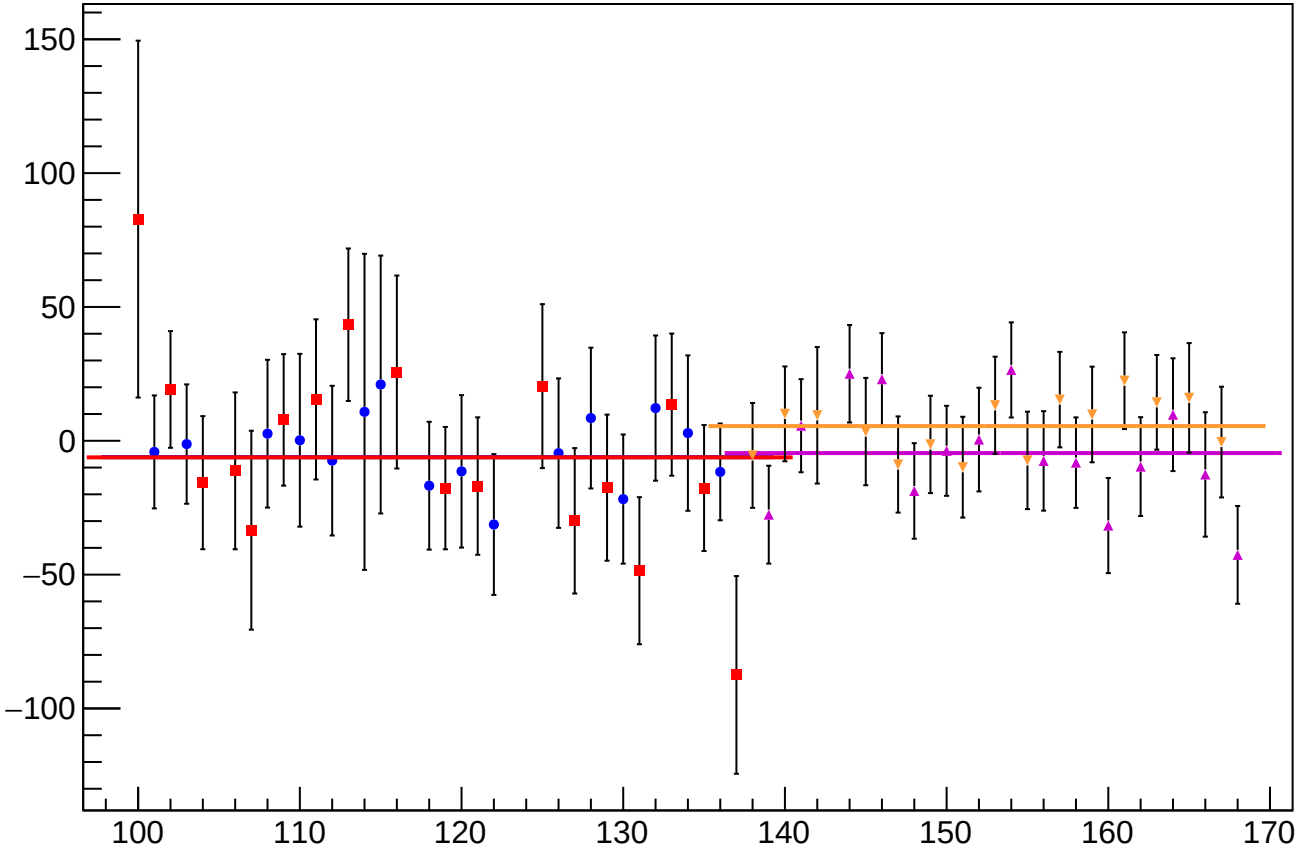
Left In: 177.493+/-0.038 χ^2/NDF:1467233.6/14

+ sign 208.830+/-0.035 χ^2/NDF: 2144649.6/30

All: 189.080+/-0.023 χ^2/NDF: 5764607.5/63

- sign 175.103+/-0.030 χ^2/NDF: 3089778.0/32

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.492+/-4.875 χ^2/NDF:4.4/14

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

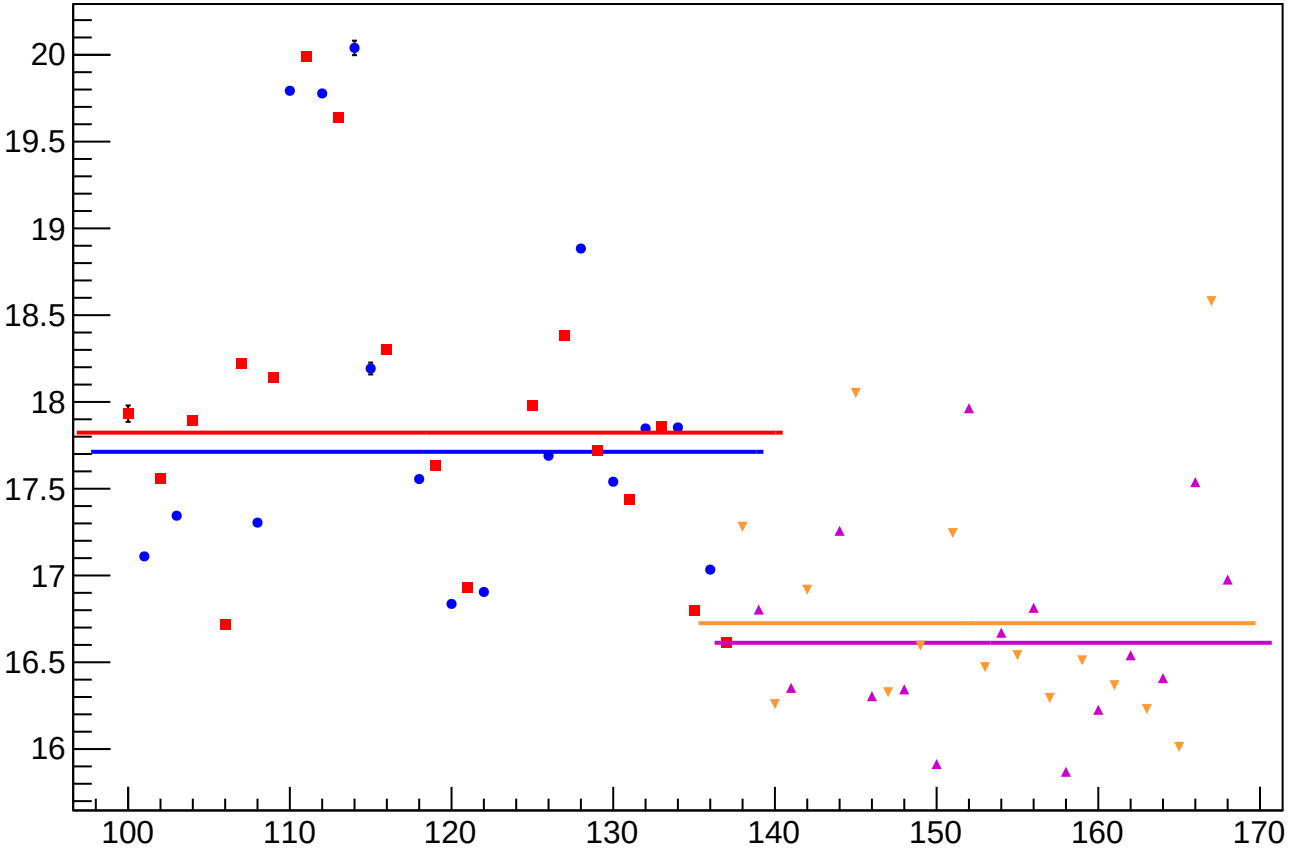
Left In: -4.590+/-4.725 χ^2/NDF:18.3/14

+ sign 1.387+/-3.920 χ^2/NDF: 9.5/30

All: -1.943+/-2.742 χ^2/NDF: 47.9/63

- sign -5.136+/-3.838 χ^2/NDF: 36.9/32

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.725+/-0.003 χ^2/NDF:37390.4/14

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

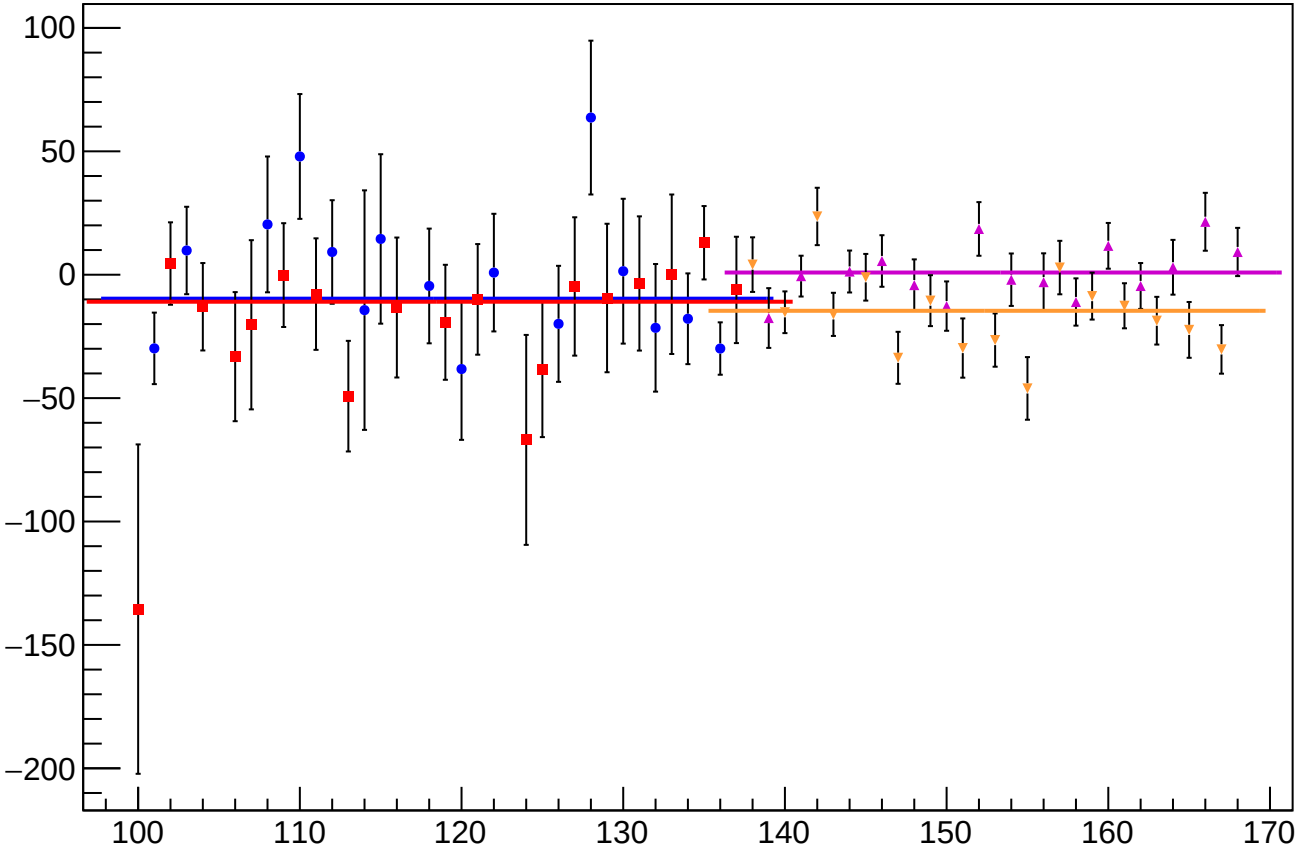
Left In: 16.612+/-0.003 χ^2/NDF:26704.0/14

+ sign 17.074+/-0.003 χ^2/NDF: 102379.2/30

All: 17.049+/-0.002 χ^2/NDF: 206435.7/63

- sign 17.024+/-0.003 χ^2/NDF: 103890.0/32

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -14.618+/-2.545 χ^2/NDF:34.4/15

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

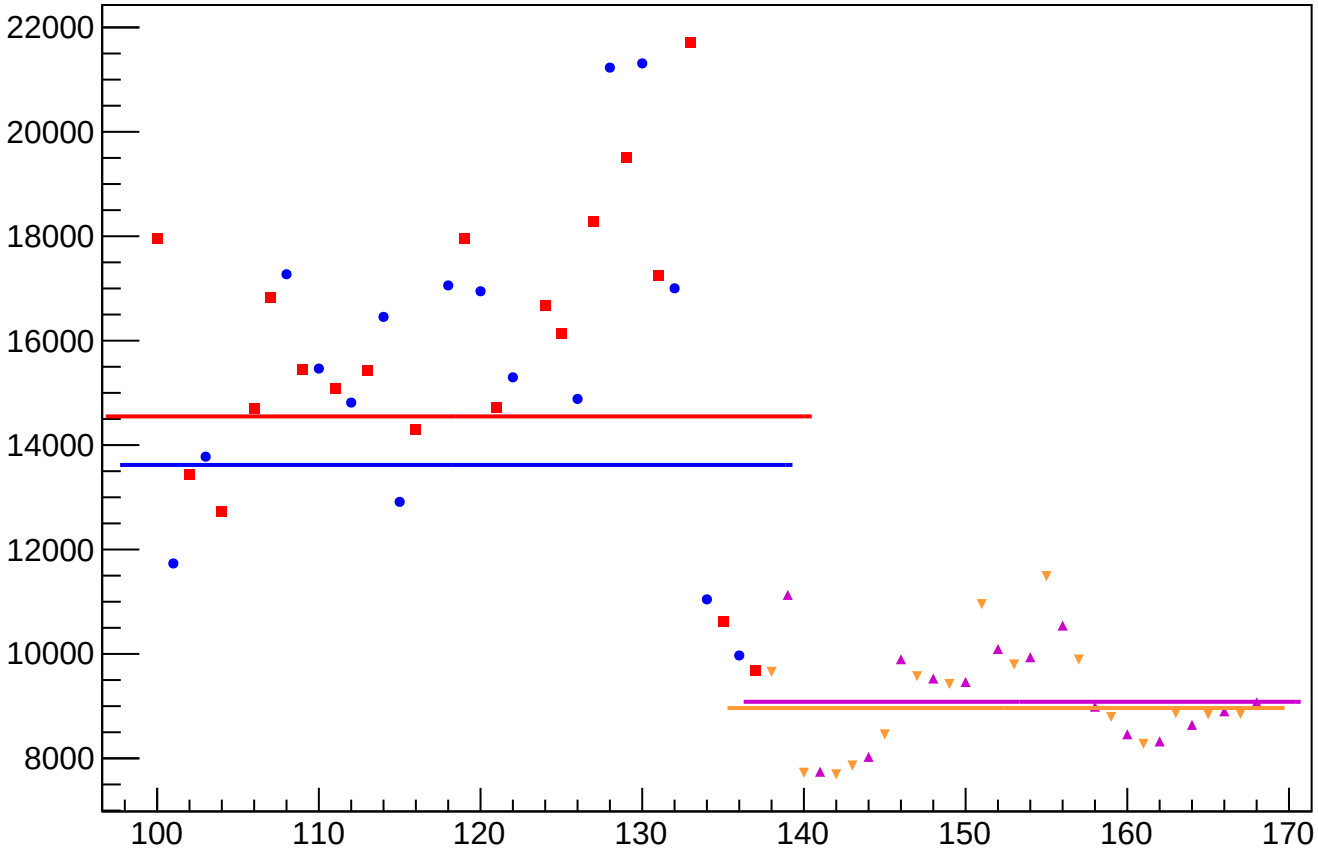
Left In: 0.892+/-2.597 χ^2/NDF:14.6/14

+ sign -13.677+/-2.289 χ^2/NDF: 57.1/31

All: -7.637+/-1.637 χ^2/NDF: 103.8/65

- sign -1.306+/-2.343 χ^2/NDF: 32.5/33

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8963.654+/-1.800 χ^2/NDF:296431.2/15

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

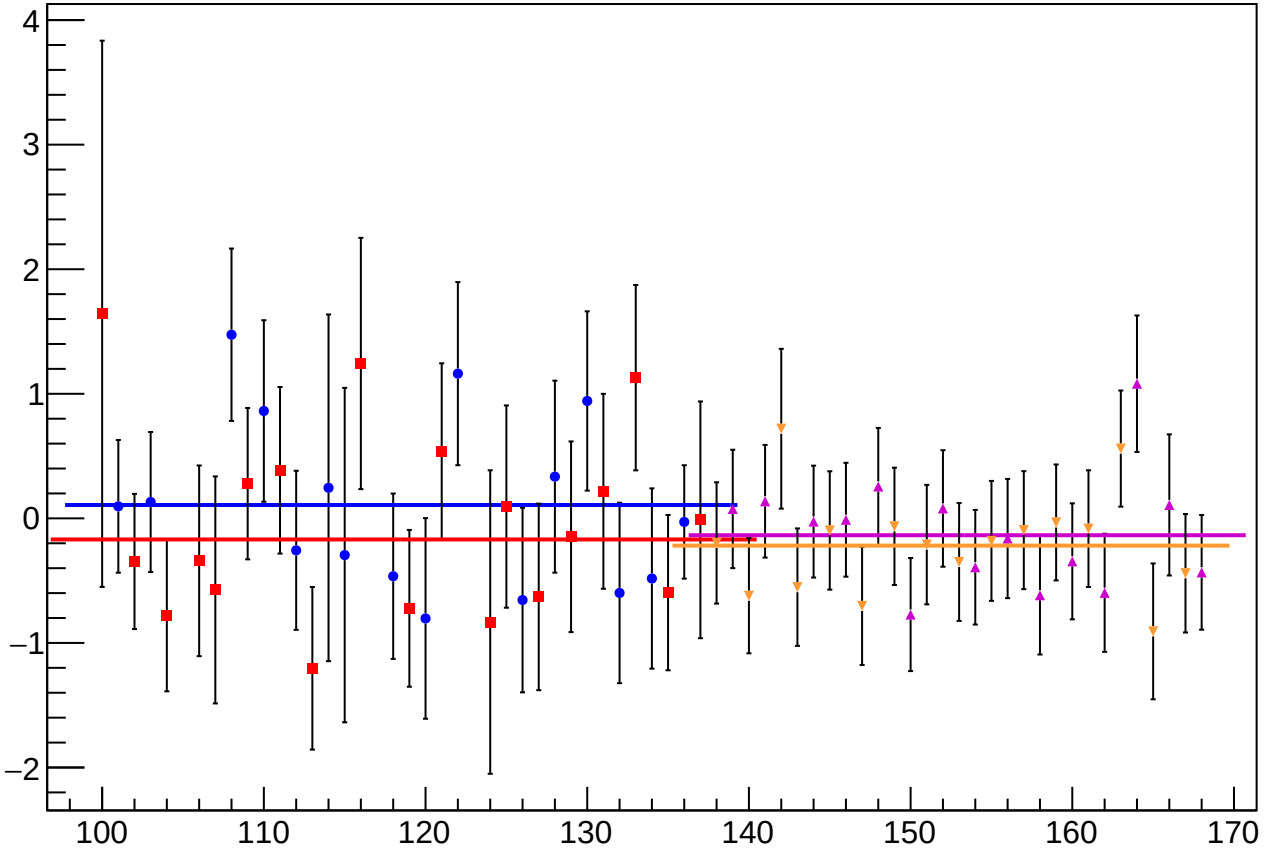
Left In: 9083.301+/-1.836 χ^2/NDF:246907.8/14

+ sign 9854.724+/-1.618 χ^2/NDF: 2324580.5/31

All: 9973.872+/-1.158 χ^2/NDF: 4785083.4/65

- sign 10098.760+/-1.657 χ^2/NDF: 2449399.5/33

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.219+/-0.121 χ^2/NDF:9.6/15

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

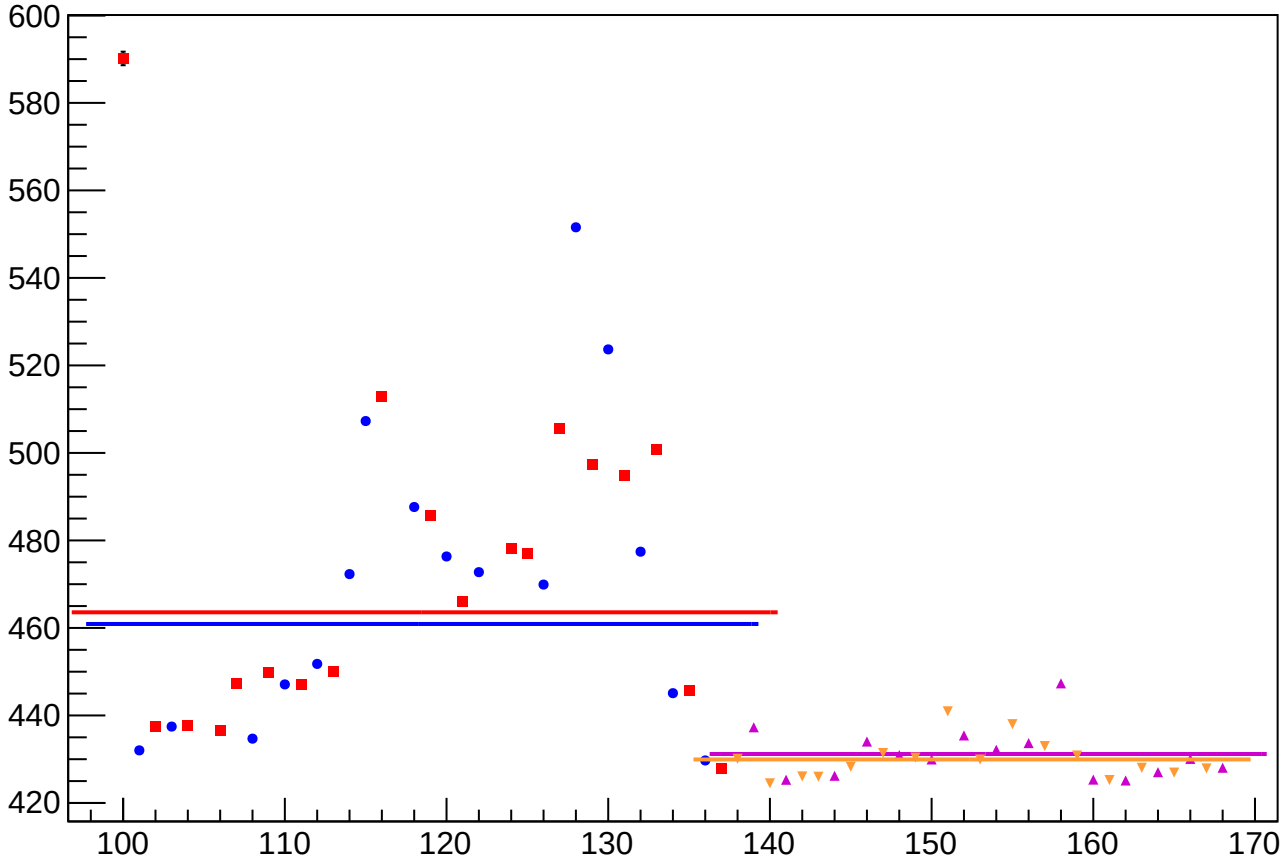
Left In: -0.135+/-0.122 χ^2/NDF:11.6/14

+ sign -0.111+/-0.099 χ^2/NDF: 25.7/31

All: -0.129+/-0.070 χ^2/NDF: 51.5/65

- sign -0.147+/-0.099 χ^2/NDF: 25.7/33

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.941+/-0.086 χ^2/NDF:2574.4/15

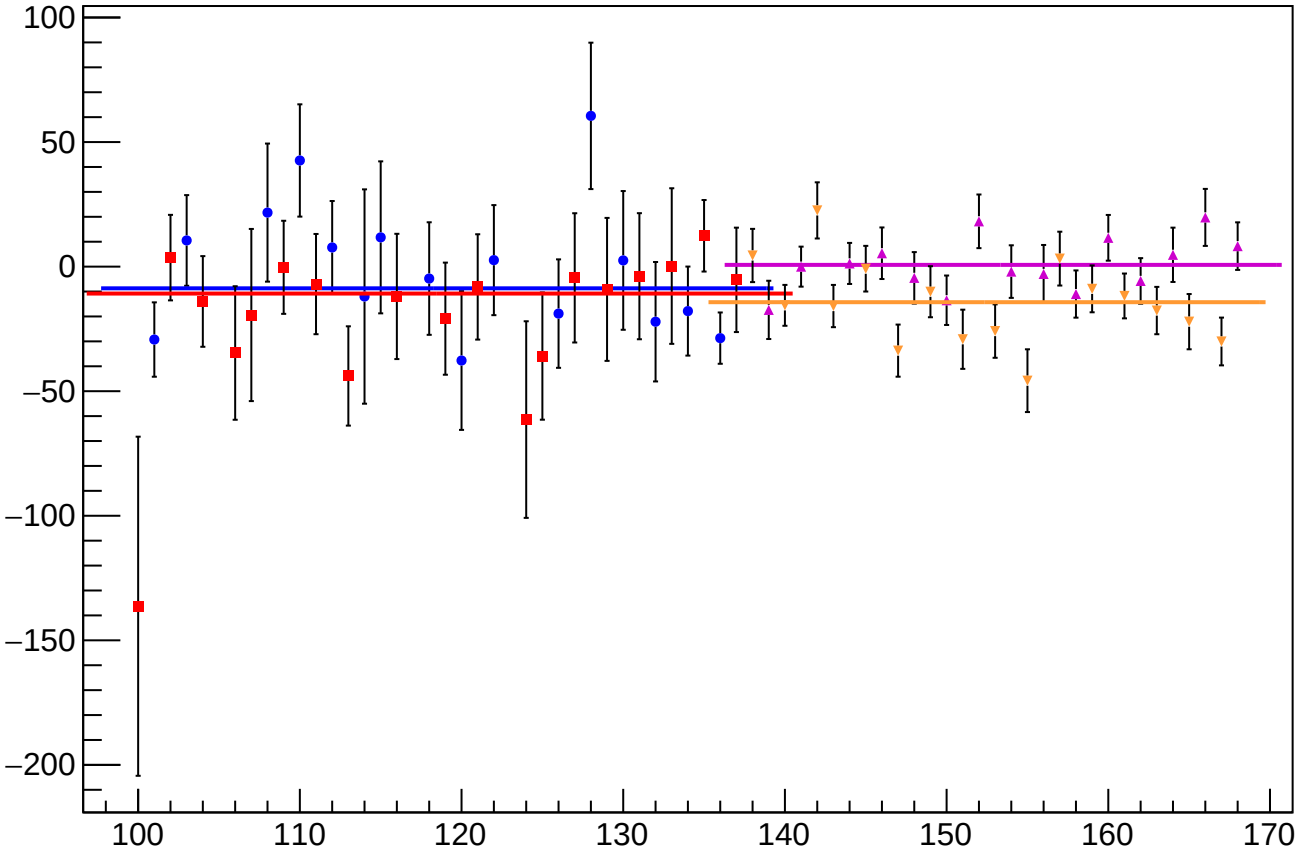
Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 431.192+/-0.087 χ^2/NDF:4392.1/14

+ sign 440.209+/-0.070 χ^2/NDF: 120979.5/31

All: 441.249+/-0.050 χ^2/NDF: 225989.4/65

- sign 442.296+/-0.070 χ^2/NDF: 104566.1/33



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -14.274+/-2.497 χ^2/NDF:34.9/15

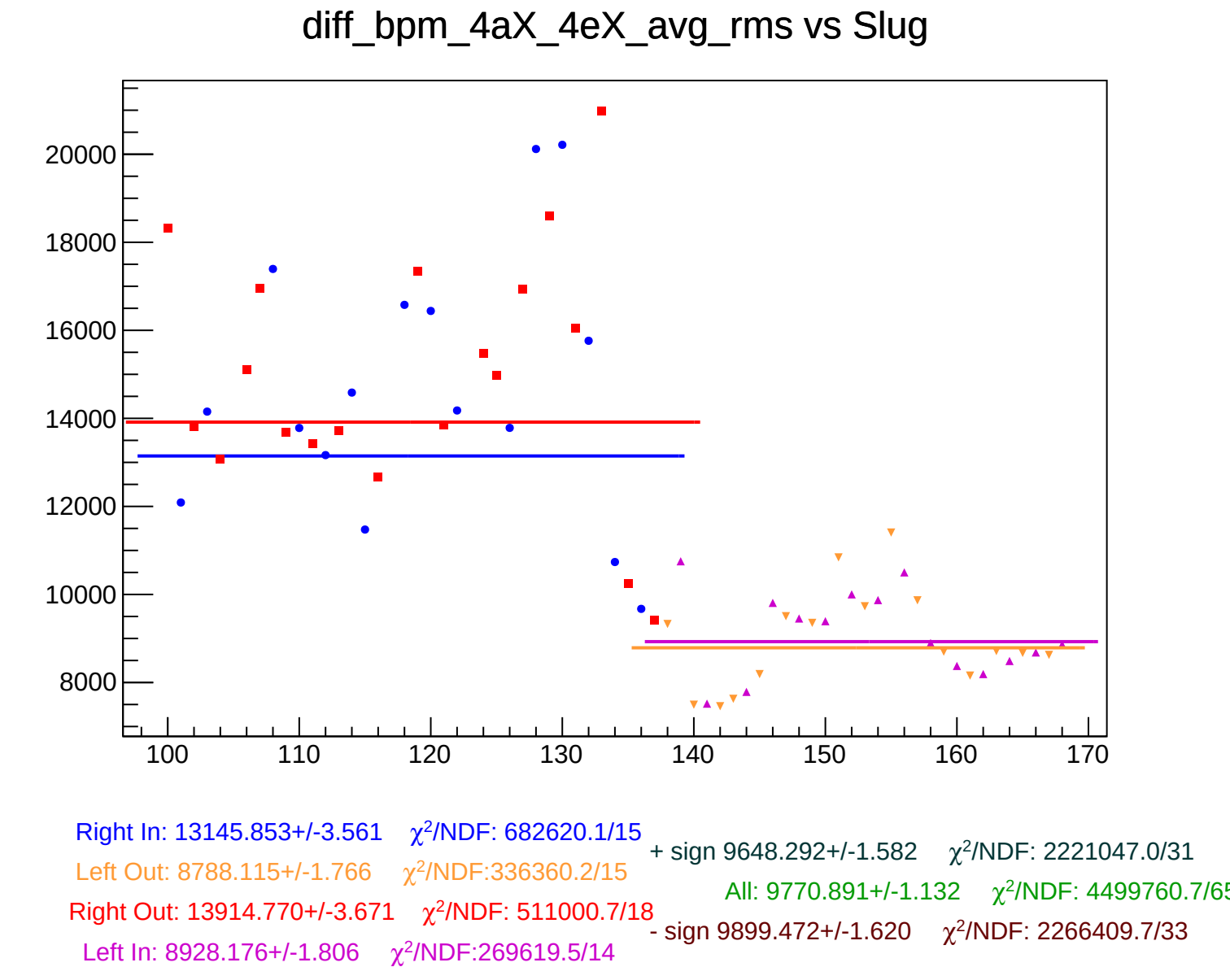
Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 0.702+/-2.553 χ^2/NDF:14.7/14

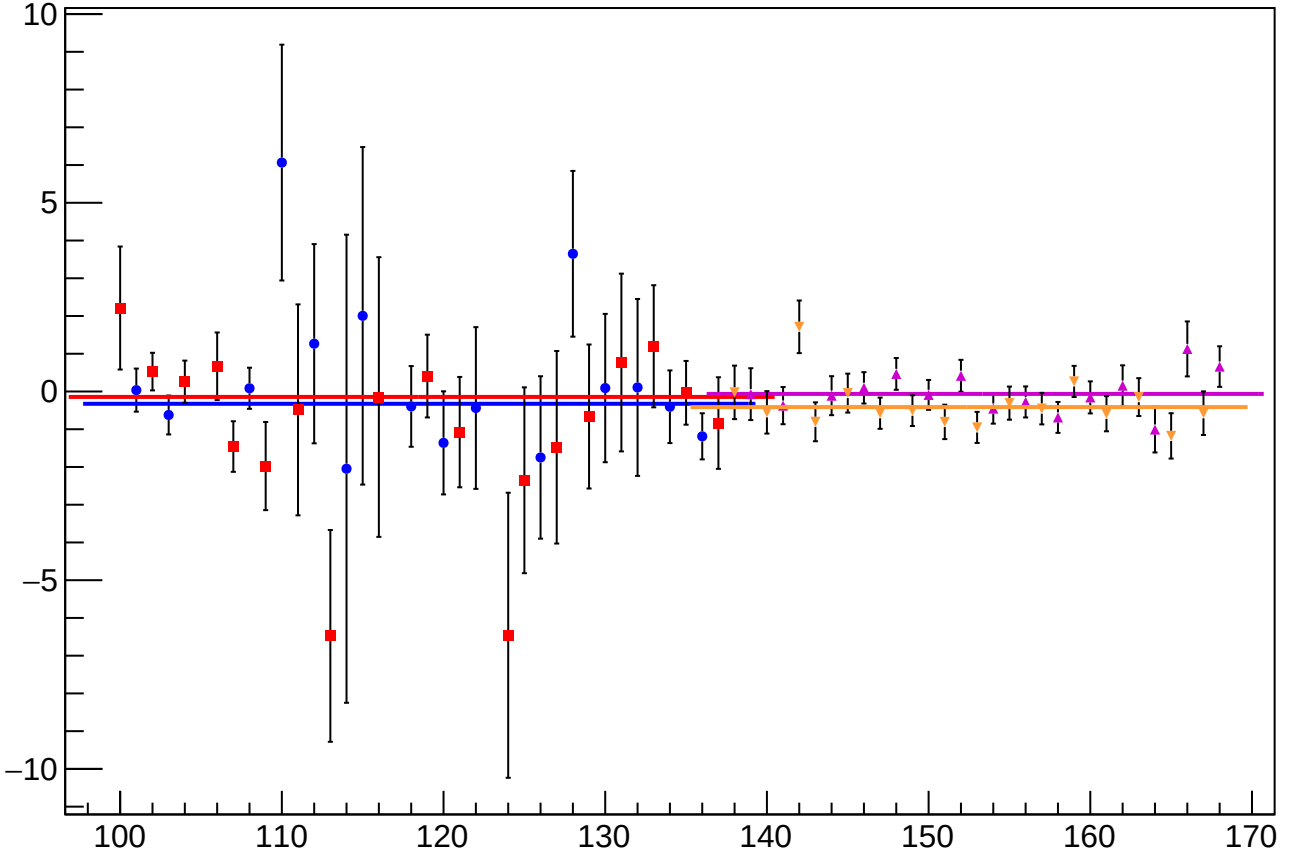
+ sign -13.175+/-2.237 χ^2/NDF: 58.2/31

All: -7.496+/-1.601 χ^2/NDF: 103.9/65

- sign -1.540+/-2.291 χ^2/NDF: 32.5/33


diff_bpm_4aX_4eX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8788.115+/-1.766 χ²/NDF:336360.2/15
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8928.176+/-1.806 χ²/NDF:269619.5/14
+ sign 9648.292+/-1.582 χ²/NDF: 2221047.0/31
All: 9770.891+/-1.132 χ²/NDF: 4499760.7/65
- sign 9899.472+/-1.620 χ²/NDF: 2266409.7/33

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.413+/-0.121 χ^2/NDF:18.3/15

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

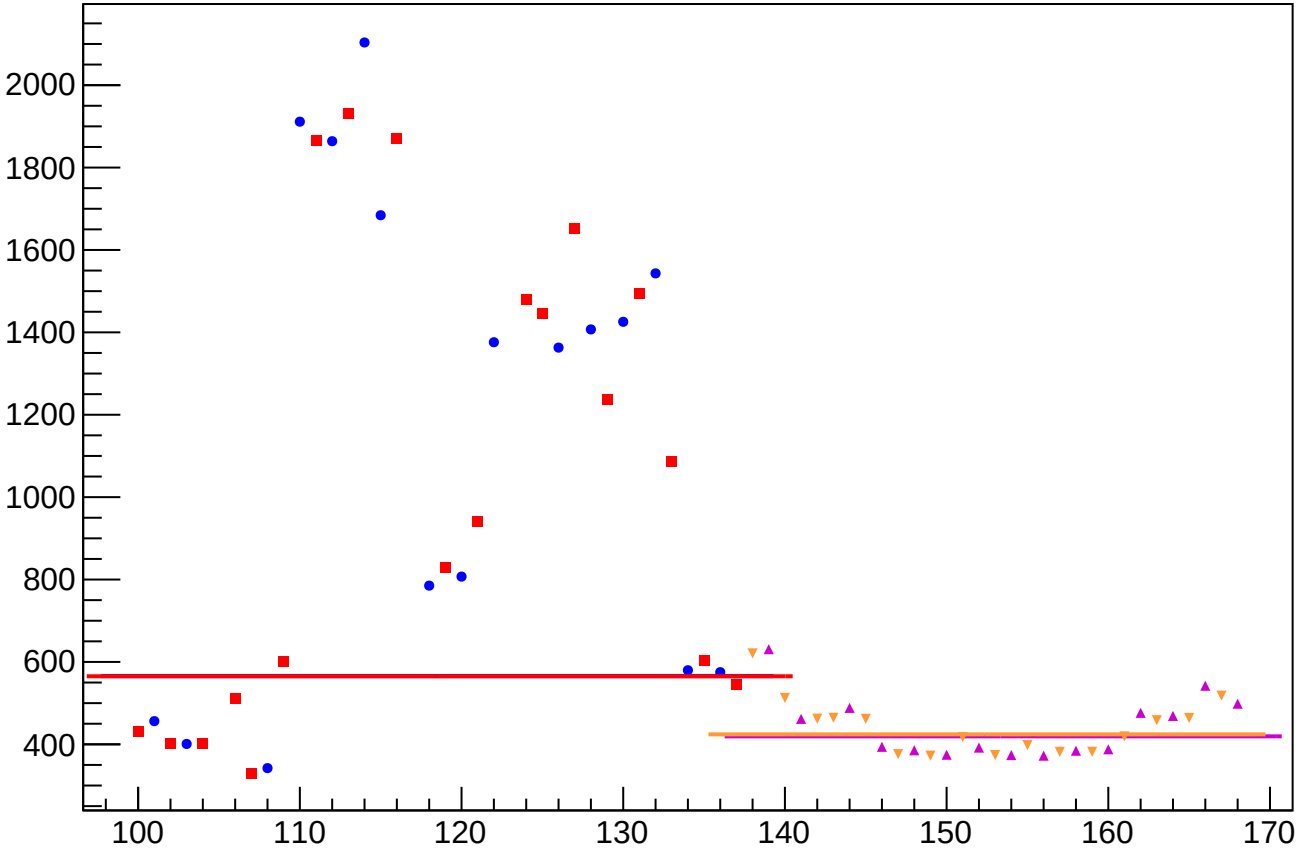
Left In: -0.064+/-0.121 χ^2/NDF:14.1/14

+ sign -0.396+/-0.108 χ^2/NDF: 31.0/31

All: -0.238+/-0.077 χ^2/NDF: 71.9/65

- sign -0.080+/-0.108 χ^2/NDF: 36.6/33

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 424.191+/-0.085 χ^2/NDF:441618.0/15

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

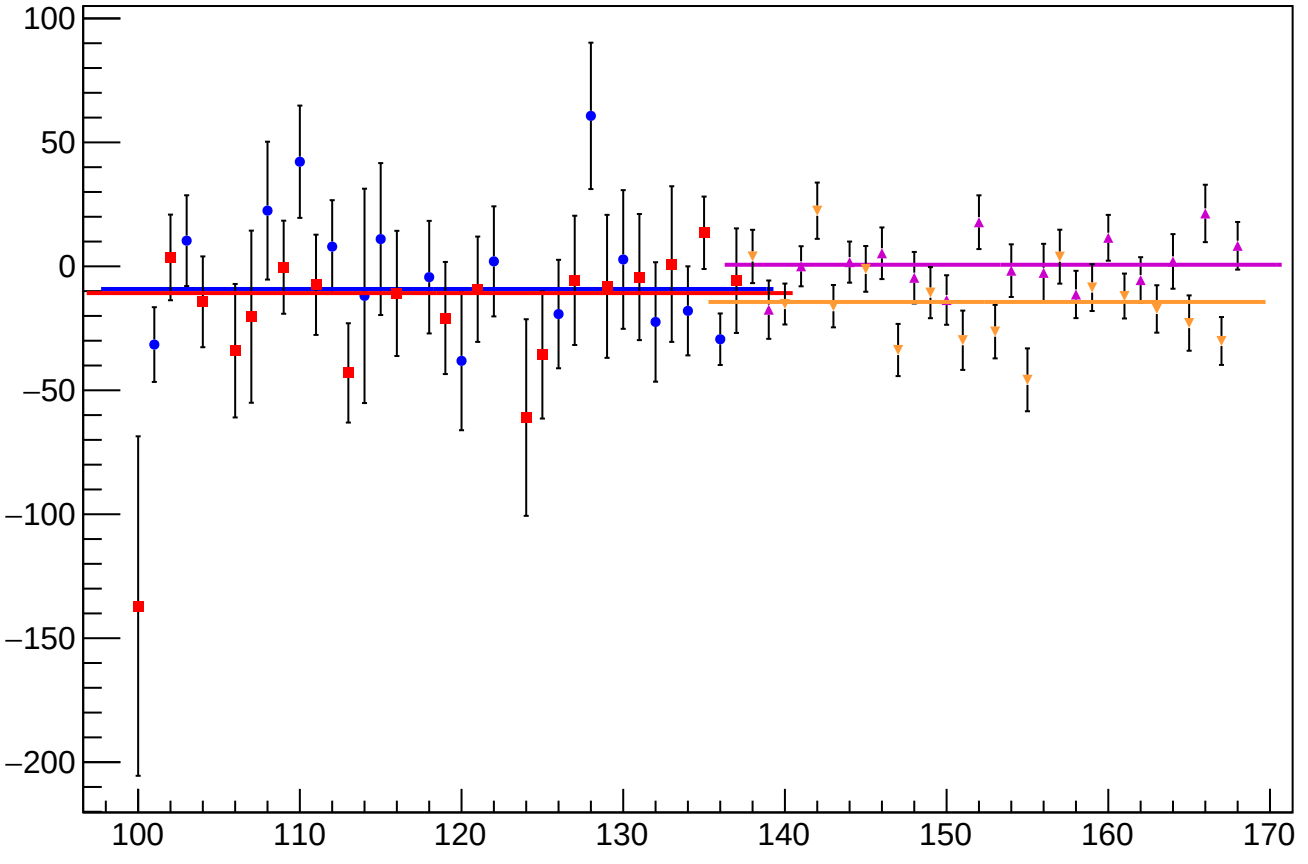
Left In: 419.373+/-0.085 χ^2/NDF:508394.6/14

+ sign 452.016+/-0.077 χ^2/NDF: 4430572.7/31

All: 449.993+/-0.054 χ^2/NDF: 9084719.9/65

- sign 447.975+/-0.077 χ^2/NDF: 4652753.9/33

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -14.362+/-2.514 χ^2/NDF:34.7/15

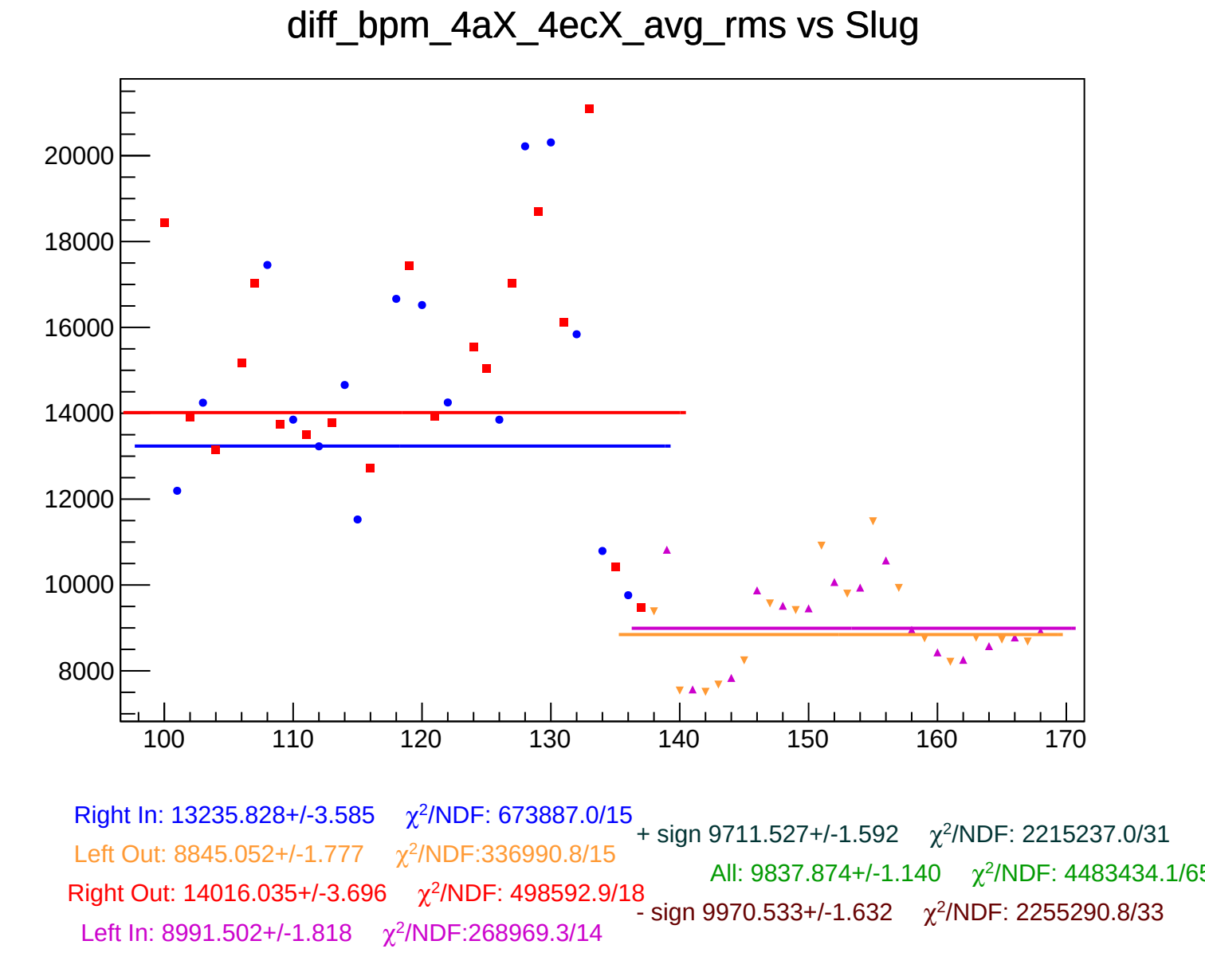
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: 0.641+/-2.572 χ^2/NDF:14.8/14

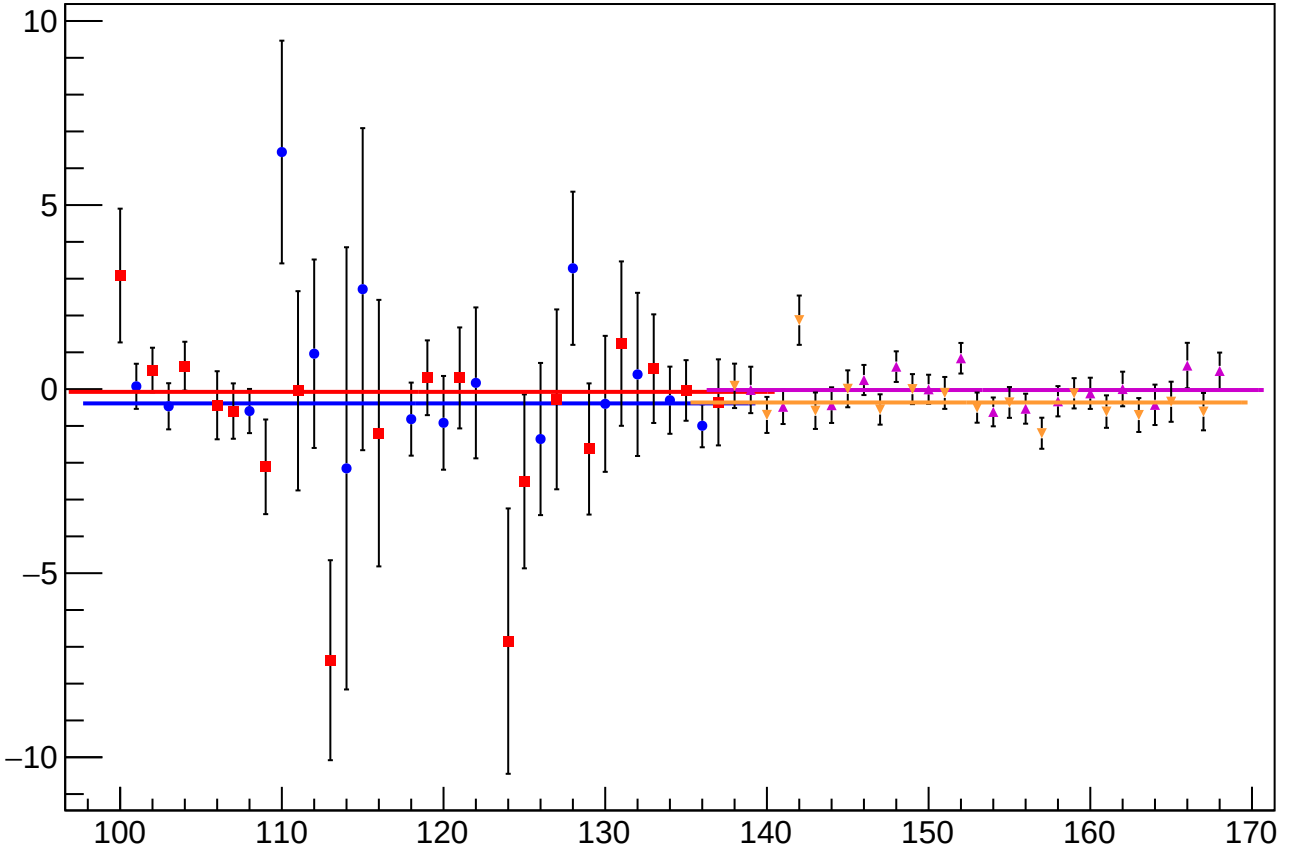
+ sign -13.330+/-2.252 χ^2/NDF: 58.3/31

All: -7.601+/-1.612 χ^2/NDF: 103.9/65

- sign -1.586+/-2.307 χ^2/NDF: 32.3/33


diff_bpm_4aX_4ecX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8845.052+/-1.777 χ²/NDF:336990.8/15
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8991.502+/-1.818 χ²/NDF:268969.3/14
+ sign 9711.527+/-1.592 χ²/NDF: 2215237.0/31
All: 9837.874+/-1.140 χ²/NDF: 4483434.1/65
- sign 9970.533+/-1.632 χ²/NDF: 2255290.8/33

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.363+/-0.116 χ^2/NDF:19.8/15

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

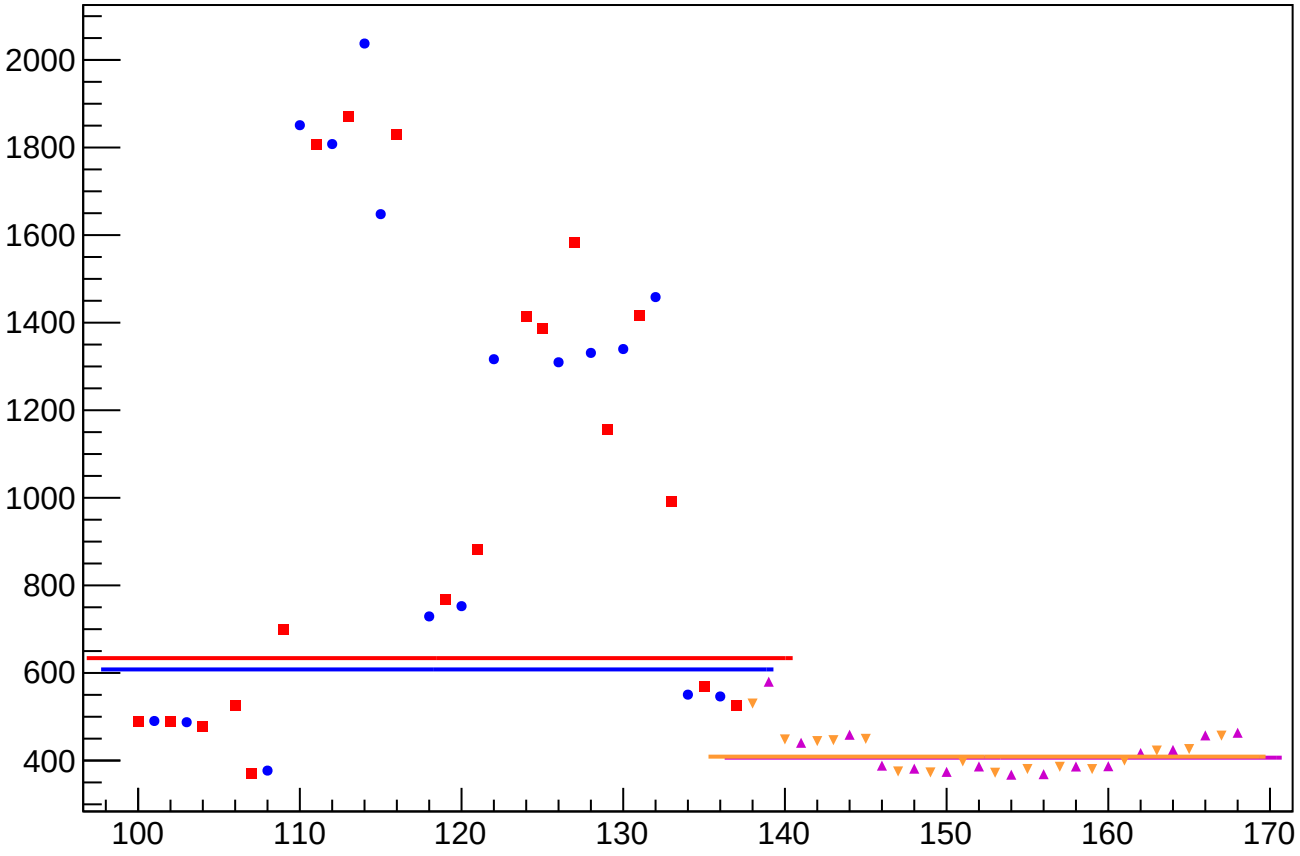
Left In: -0.024+/-0.116 χ^2/NDF:16.0/14

+ sign -0.367+/-0.105 χ^2/NDF: 31.5/31

All: -0.202+/-0.075 χ^2/NDF: 74.1/65

- sign -0.032+/-0.107 χ^2/NDF: 37.7/33

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 408.898+/-0.082 χ^2/NDF:217638.3/15

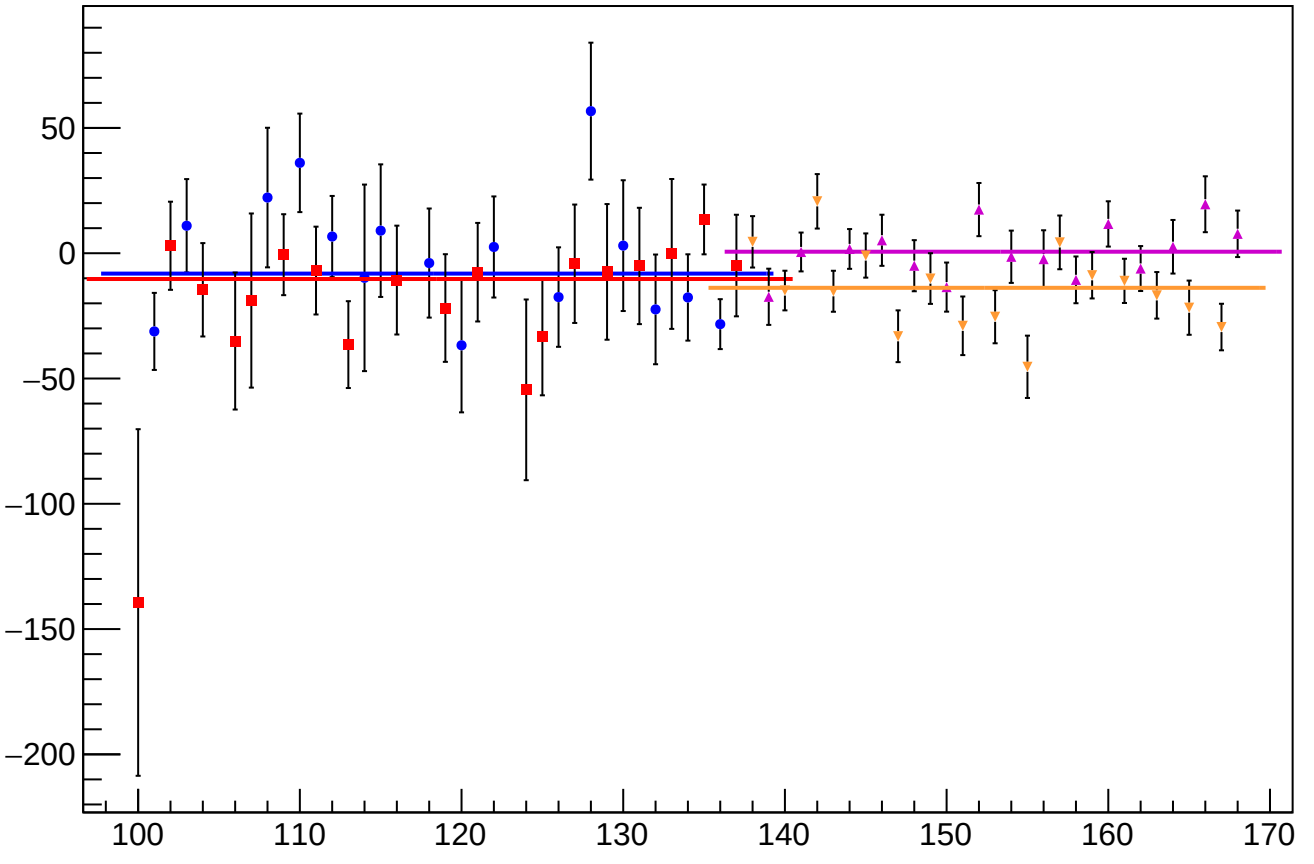
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 406.551+/-0.082 χ^2/NDF:303192.2/14

+ sign 442.735+/-0.075 χ^2/NDF: 4077573.1/31

All: 443.084+/-0.053 χ^2/NDF: 8406731.8/65

- sign 443.440+/-0.075 χ^2/NDF: 4329114.4/33



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -13.806+/-2.436 χ^2/NDF:35.1/15

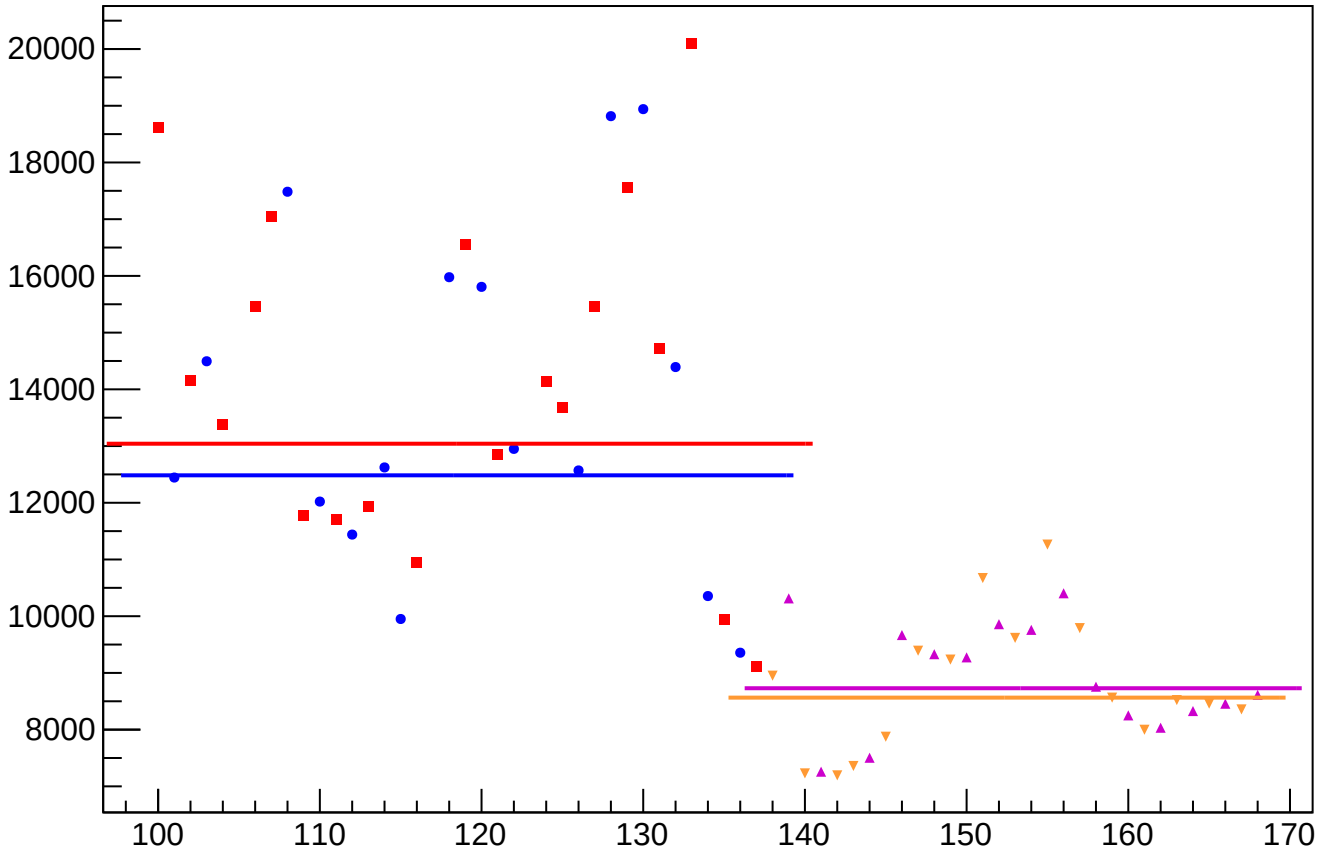
Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 0.603+/-2.498 χ^2/NDF:14.8/14

+ sign -12.636+/-2.170 χ^2/NDF: 59.4/31

All: -7.281+/-1.553 χ^2/NDF: 104.3/65

- sign -1.663+/-2.223 χ^2/NDF: 32.5/33



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8564.386+/-1.723 χ^2/NDF:383434.4/15

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

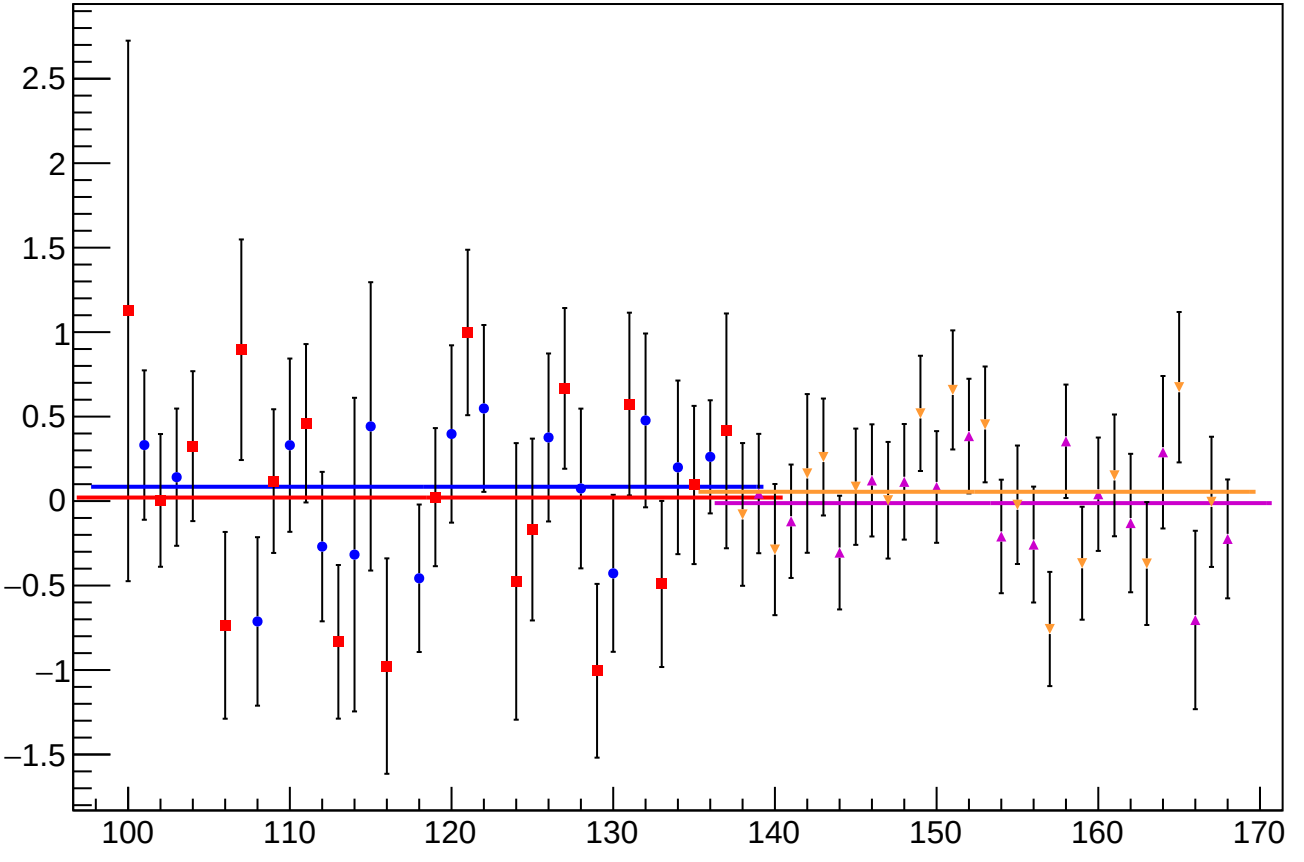
Left In: 8730.039+/-1.766 χ^2/NDF:295983.0/14

+ sign 9372.845+/-1.535 χ^2/NDF: 2122803.5/31

All: 9496.945+/-1.098 χ^2/NDF: 4216159.6/65

- sign 9627.132+/-1.572 χ^2/NDF: 2079958.8/33

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.055+/-0.091 χ^2/NDF:18.3/15

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

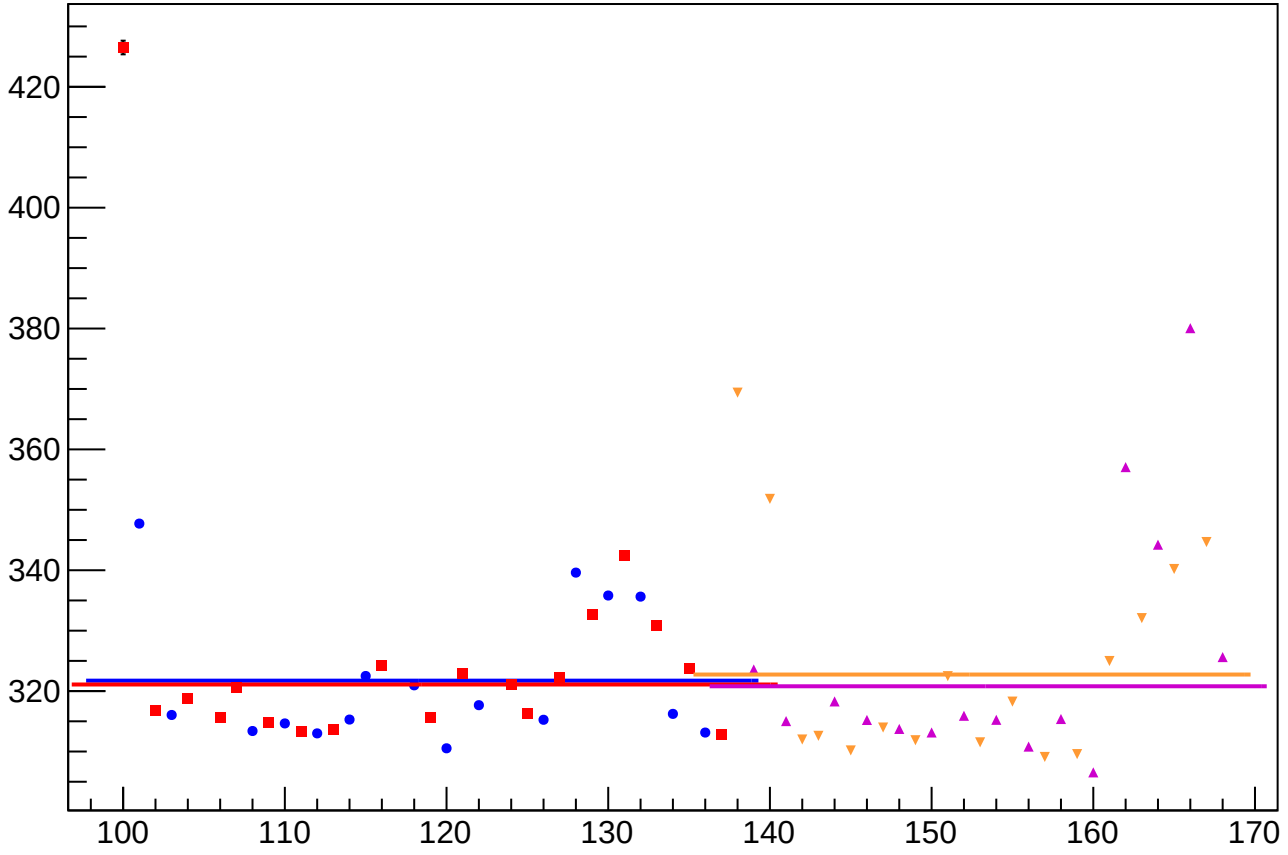
Left In: -0.012+/-0.092 χ^2/NDF:7.3/14

+ sign 0.066+/-0.073 χ^2/NDF: 27.7/31

All: 0.033+/-0.051 χ^2/NDF: 59.7/65

- sign 0.000+/-0.072 χ^2/NDF: 31.7/33

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 322.740+/-0.065 χ^2/NDF:64137.5/15

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

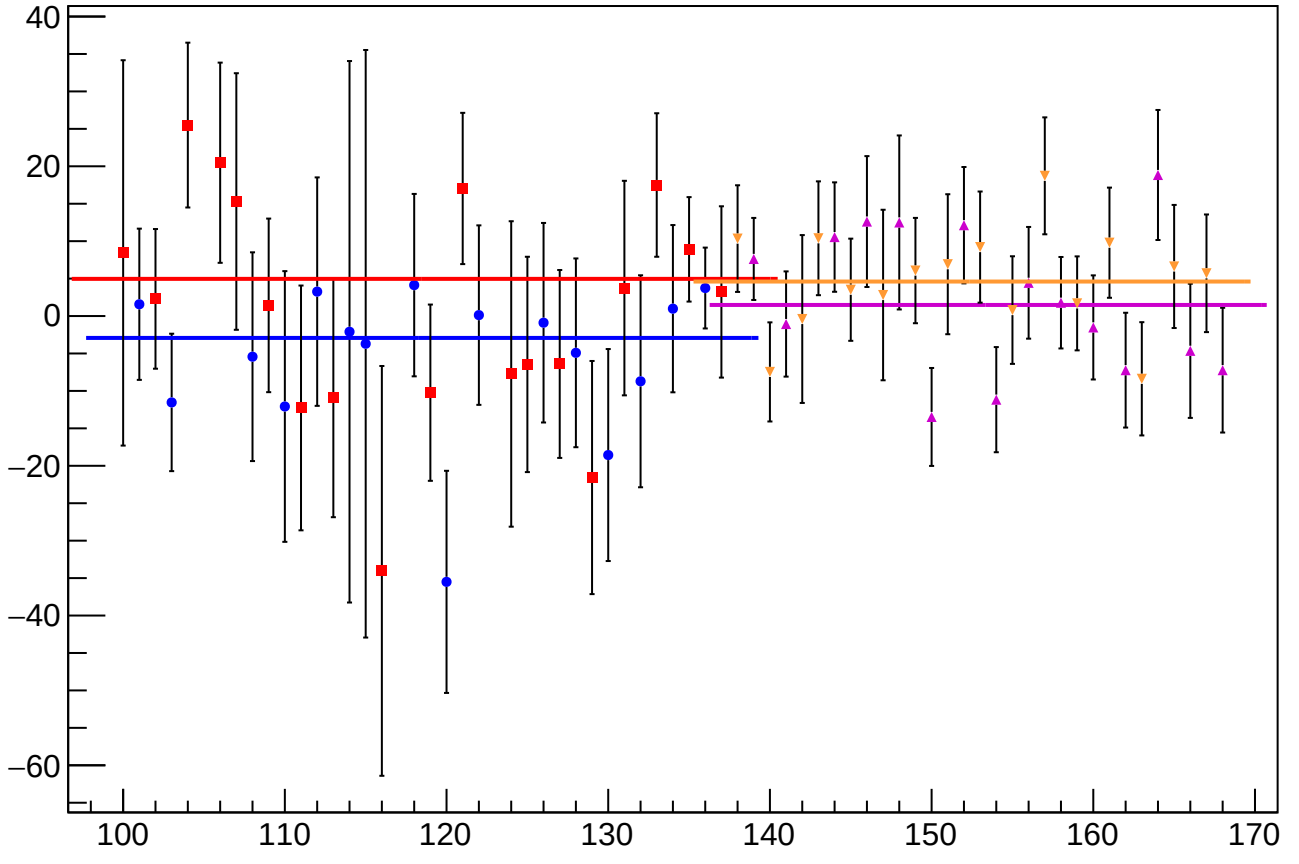
Left In: 320.798+/-0.065 χ^2/NDF:56717.5/14

+ sign 322.370+/-0.051 χ^2/NDF: 82442.3/31

All: 321.636+/-0.036 χ^2/NDF: 156152.4/65

- sign 320.910+/-0.051 χ^2/NDF: 73304.6/33

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 4.608+/-1.907 χ^2/NDF:12.6/15

Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

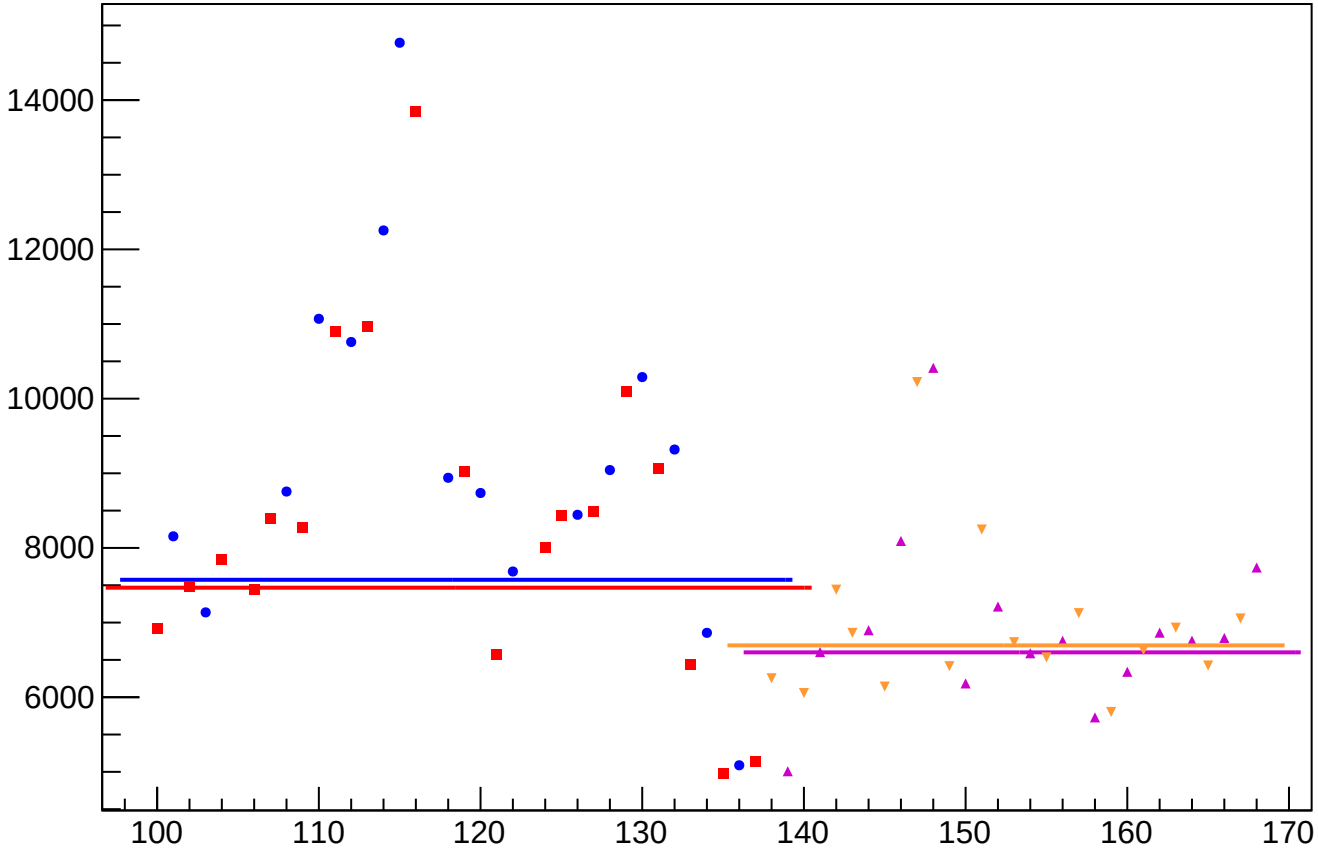
Left In: 1.481+/-1.905 χ^2/NDF:23.0/14

+ sign 2.346+/-1.595 χ^2/NDF: 27.1/31

All: 2.459+/-1.122 χ^2/NDF: 70.6/65

- sign 2.570+/-1.579 χ^2/NDF: 43.5/33

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6694.270+/-1.349 χ^2/NDF:355547.7/15

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

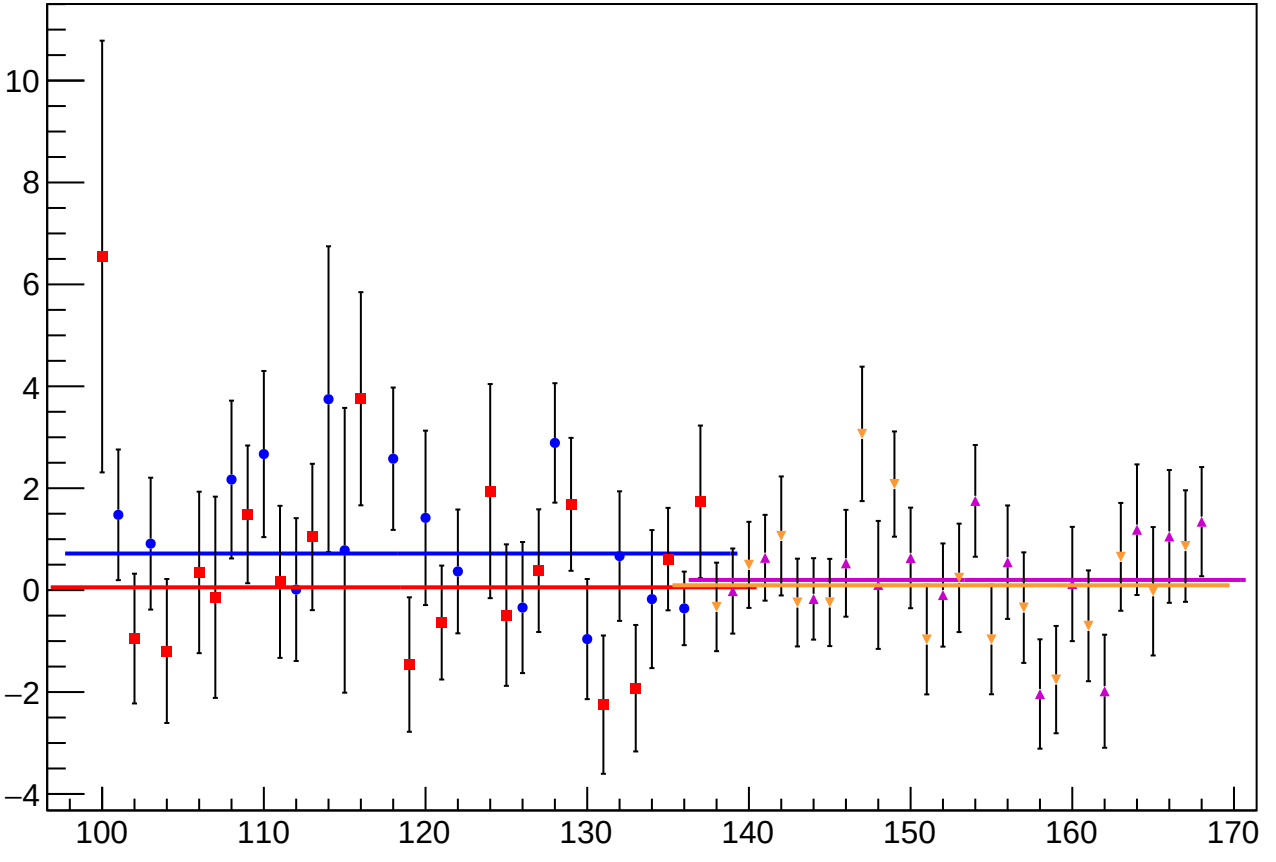
Left In: 6600.967+/-1.347 χ^2/NDF:552021.6/14

+ sign 6958.315+/-1.128 χ^2/NDF: 1380736.6/31

All: 6914.690+/-0.794 χ^2/NDF: 2893491.3/65

- sign 6871.936+/-1.117 χ^2/NDF: 1509792.9/33

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.096+/-0.256 χ^2/NDF:16.8/15

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

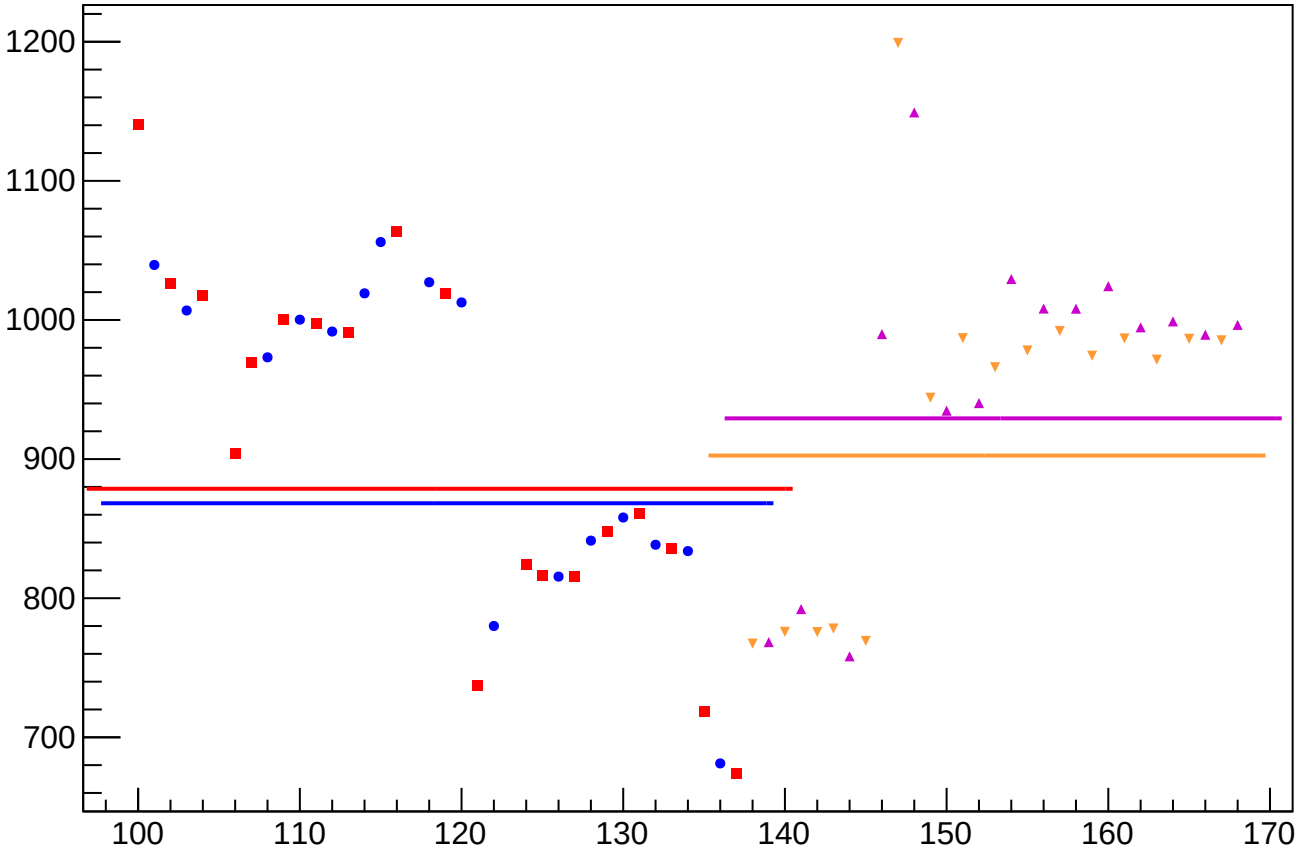
Left In: 0.200+/-0.266 χ^2/NDF:13.4/14

+ sign 0.333+/-0.201 χ^2/NDF: 33.8/31

All: 0.240+/-0.144 χ^2/NDF: 67.6/65

- sign 0.142+/-0.205 χ^2/NDF: 33.4/33

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 902.547+/-0.181 χ^2/NDF:404585.0/15

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

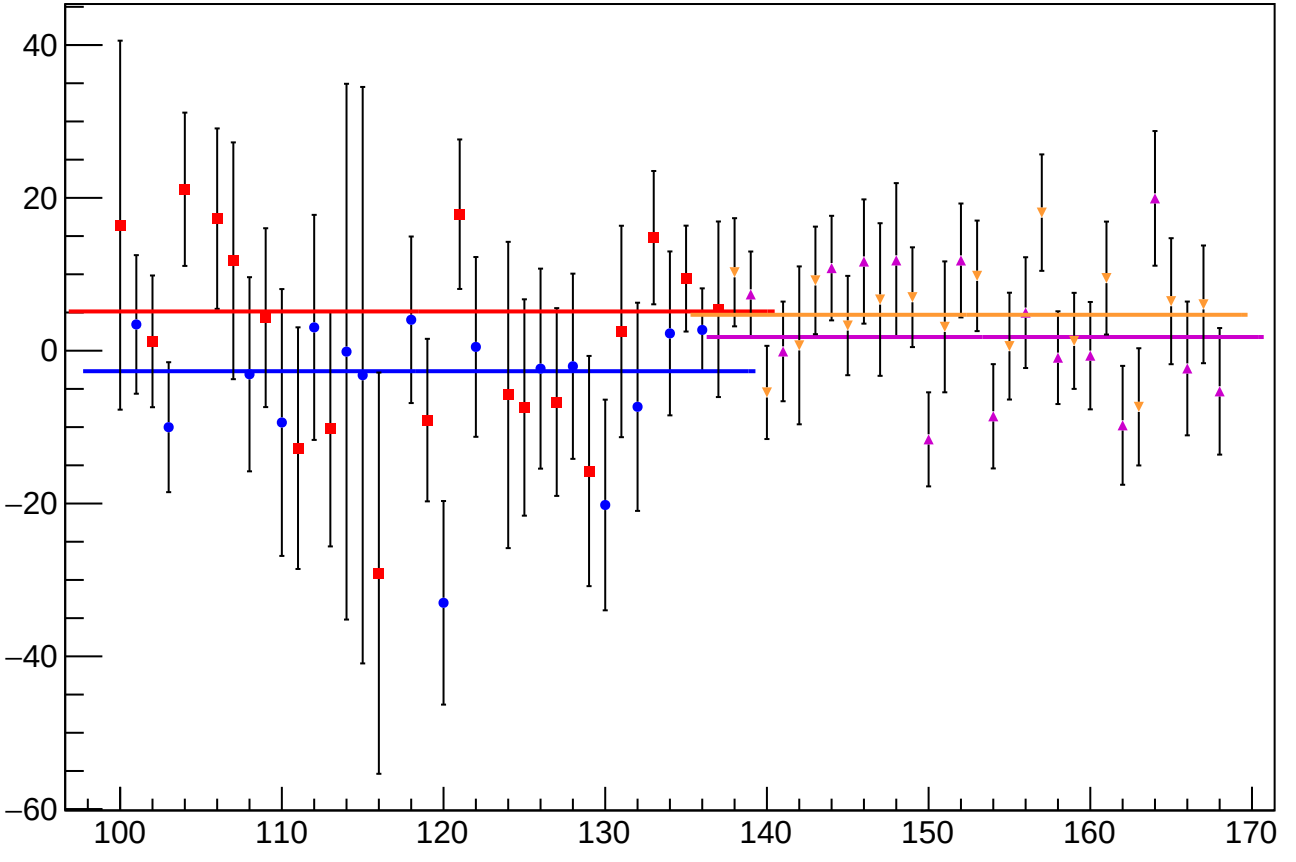
Left In: 929.274+/-0.188 χ^2/NDF:364103.5/14

+ sign 889.458+/-0.142 χ^2/NDF: 720686.5/31

All: 898.963+/-0.102 χ^2/NDF: 1395648.0/65

- sign 908.853+/-0.145 χ^2/NDF: 665867.4/33

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.700+/-1.837 χ^2/NDF:11.4/15

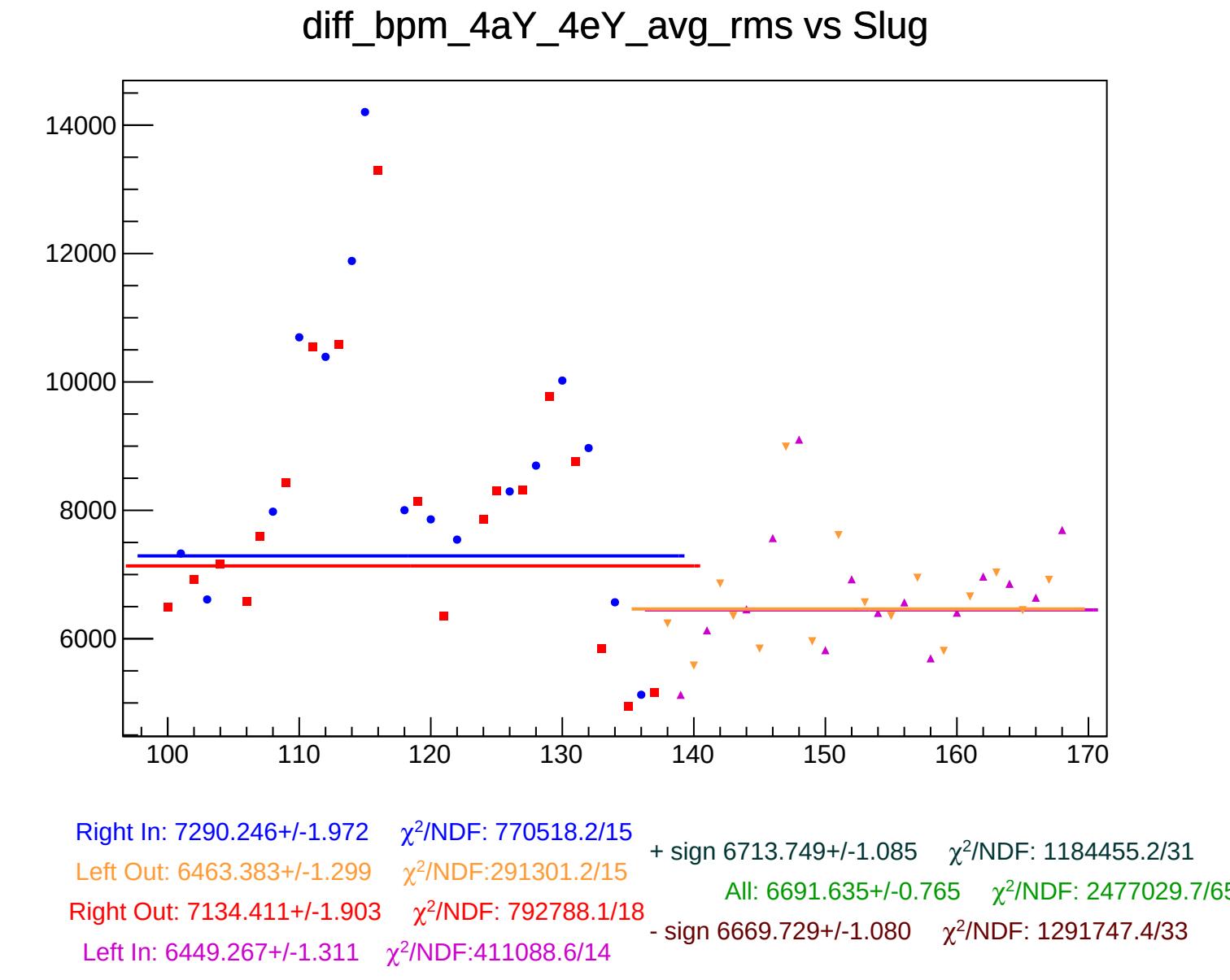
Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: 1.792+/-1.854 χ^2/NDF:22.0/14

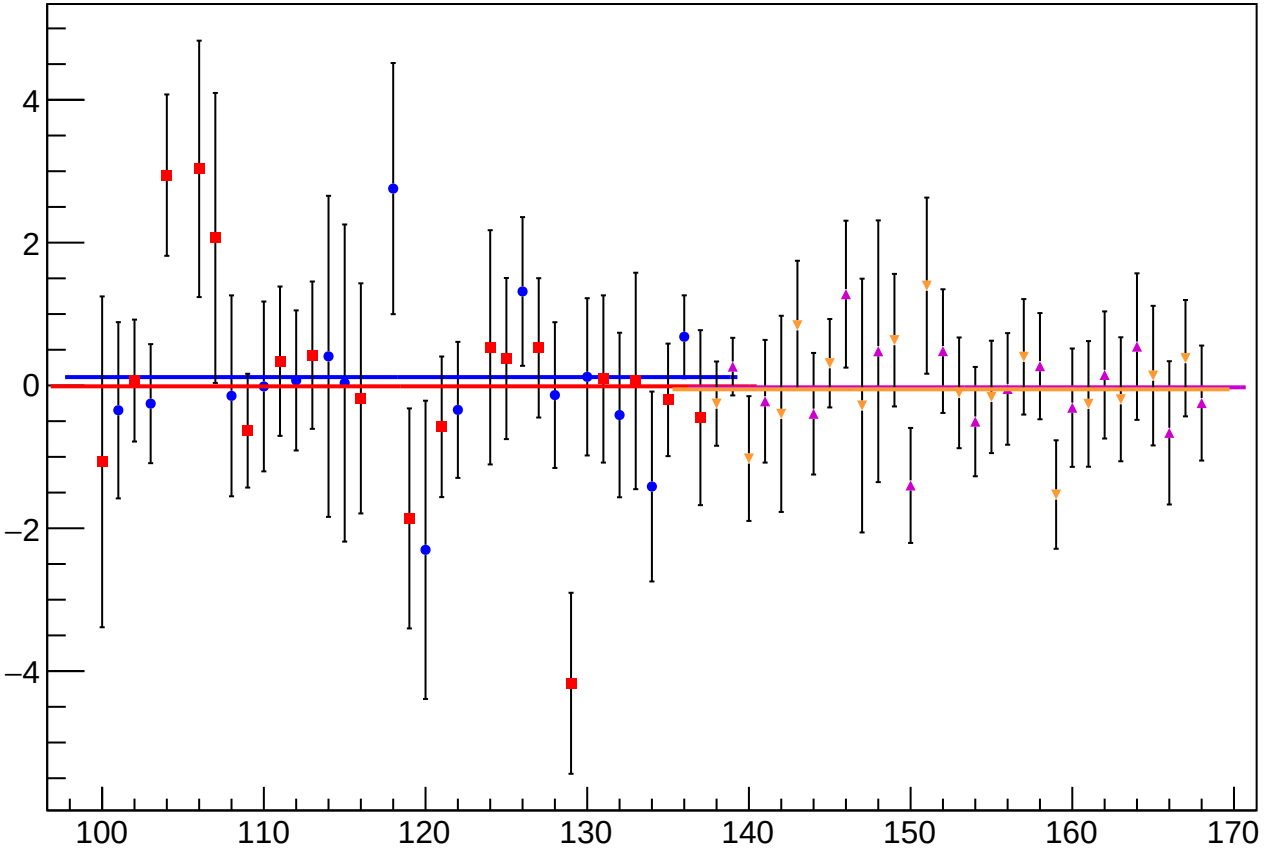
+ sign 2.464+/-1.534 χ^2/NDF: 26.3/31

All: 2.667+/-1.082 χ^2/NDF: 66.7/65

- sign 2.868+/-1.527 χ^2/NDF: 40.3/33


diff_bpm_4aY_4eY_avg_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 7290.246+/-1.972 χ²/NDF: 770518.2/15
Left Out: 6463.383+/-1.299 χ²/NDF:291301.2/15
Right Out: 7134.411+/-1.903 χ²/NDF: 792788.1/18
Left In: 6449.267+/-1.311 χ²/NDF:411088.6/14
+ sign 6713.749+/-1.085 χ²/NDF: 1184455.2/31
All: 6691.635+/-0.765 χ²/NDF: 2477029.7/65
- sign 6669.729+/-1.080 χ²/NDF: 1291747.4/33

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.054+/-0.211 χ^2/NDF:9.2/15

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

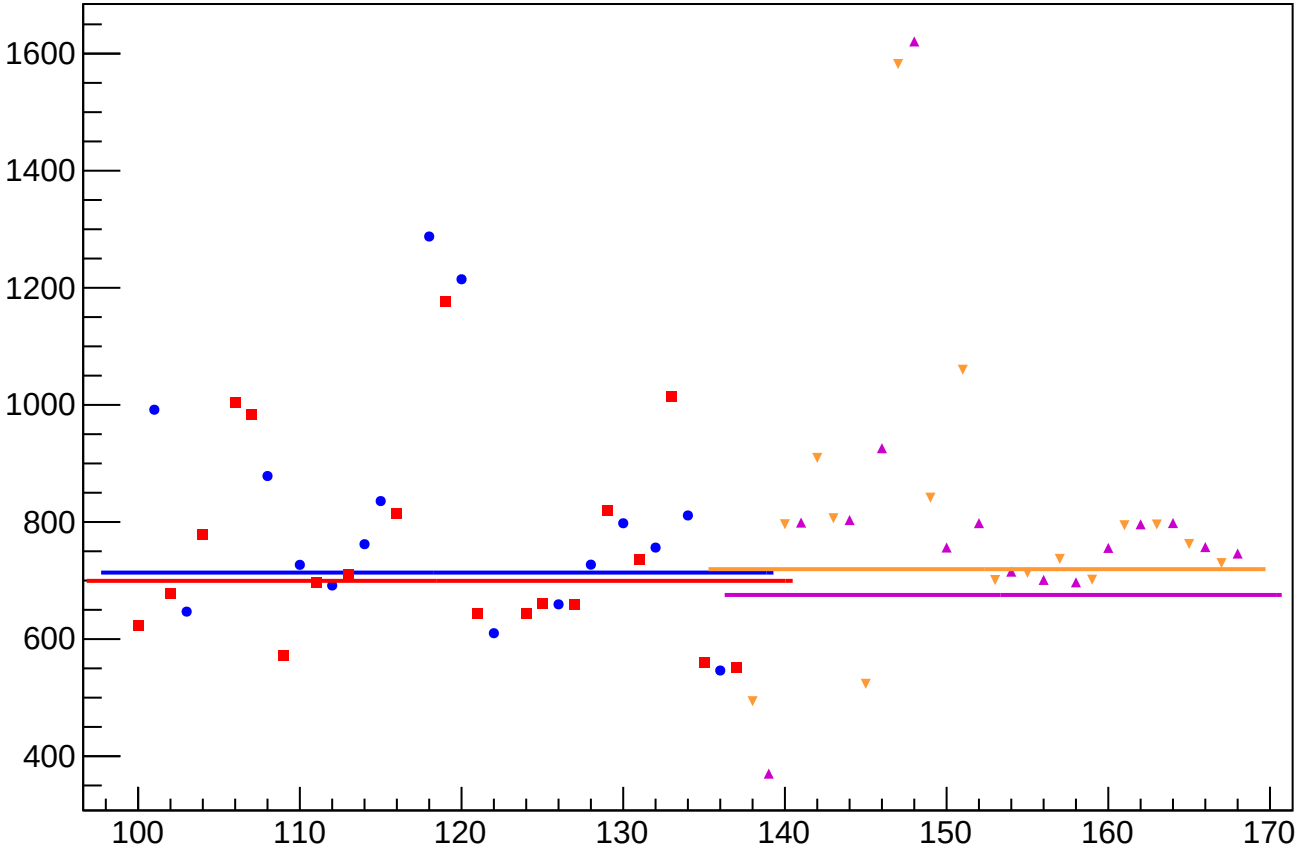
Left In: -0.026+/-0.203 χ^2/NDF:7.2/14

+ sign 0.010+/-0.167 χ^2/NDF: 17.6/31

All: -0.006+/-0.116 χ^2/NDF: 49.9/65

- sign -0.021+/-0.161 χ^2/NDF: 32.4/33

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 719.451+/-0.149 χ^2/NDF:1261023.5/15

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

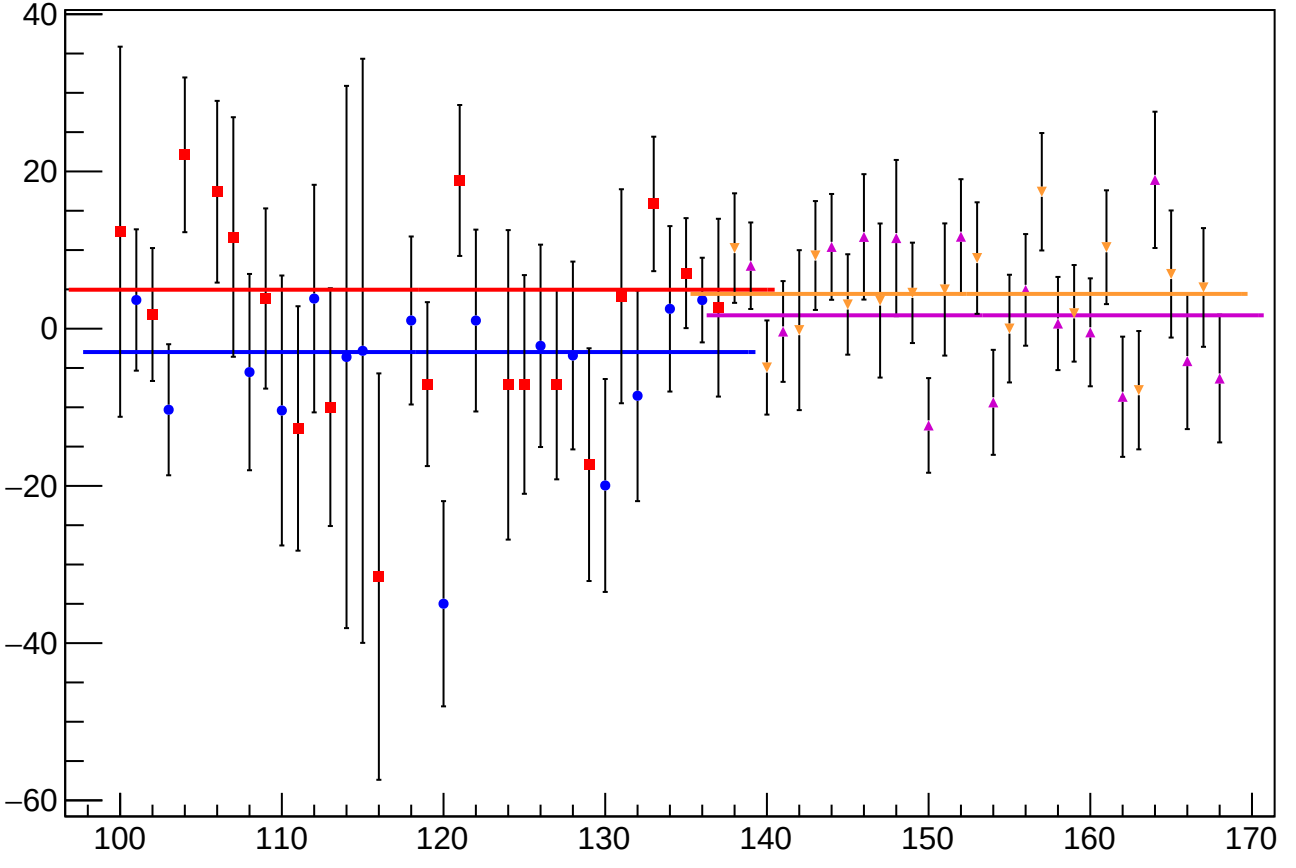
Left In: 675.416+/-0.143 χ^2/NDF:2065785.3/14

+ sign 717.271+/-0.118 χ^2/NDF: 1960896.1/31

All: 700.164+/-0.082 χ^2/NDF: 4653242.6/65

- sign 684.378+/-0.114 χ^2/NDF: 2652062.1/33

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 4.423+/-1.803 χ^2/NDF:11.4/15

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

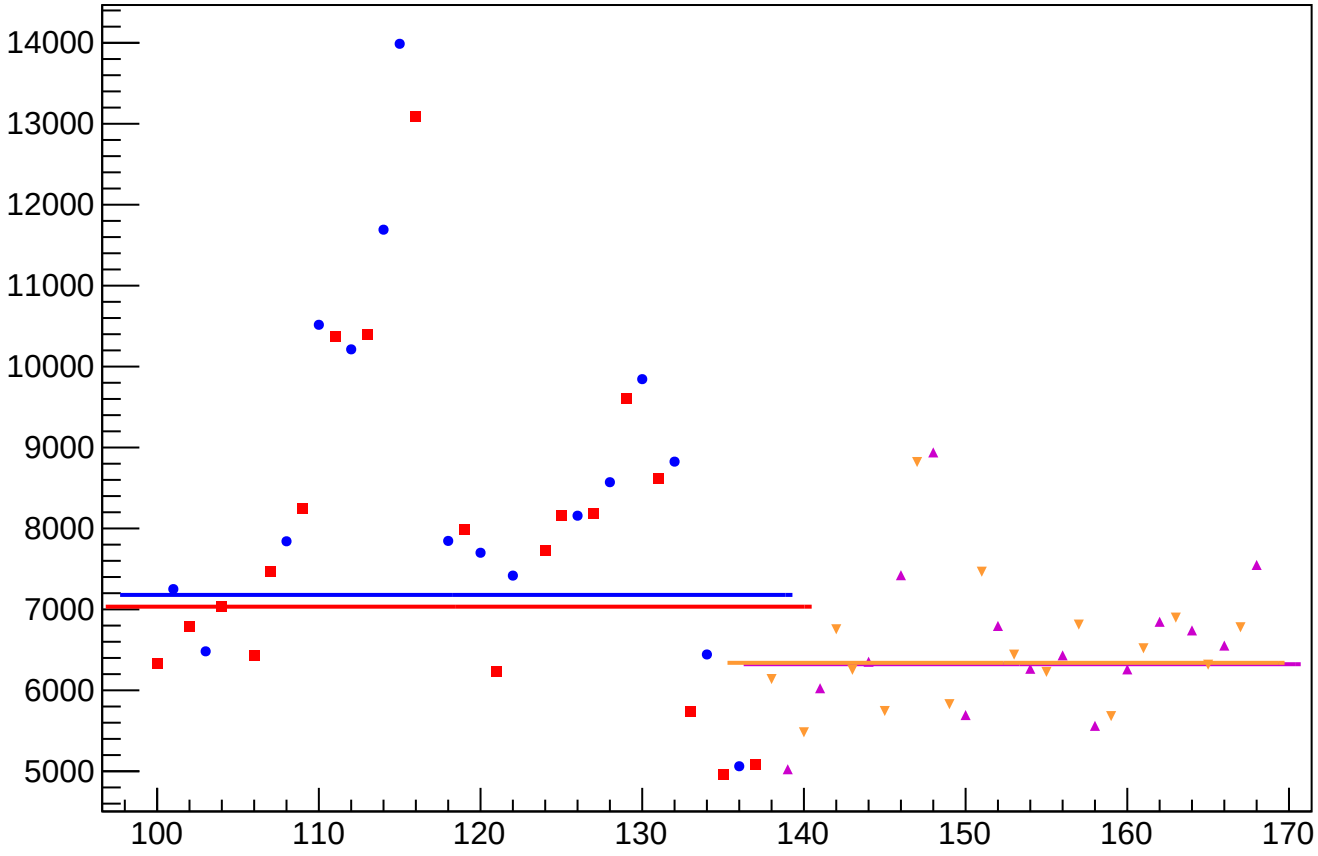
Left In: 1.700+/-1.818 χ^2/NDF:23.2/14

+ sign 2.196+/-1.507 χ^2/NDF: 28.0/31

All: 2.469+/-1.063 χ^2/NDF: 70.8/65

- sign 2.740+/-1.500 χ^2/NDF: 42.7/33

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6339.844+/-1.275 χ^2/NDF:291536.2/15

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

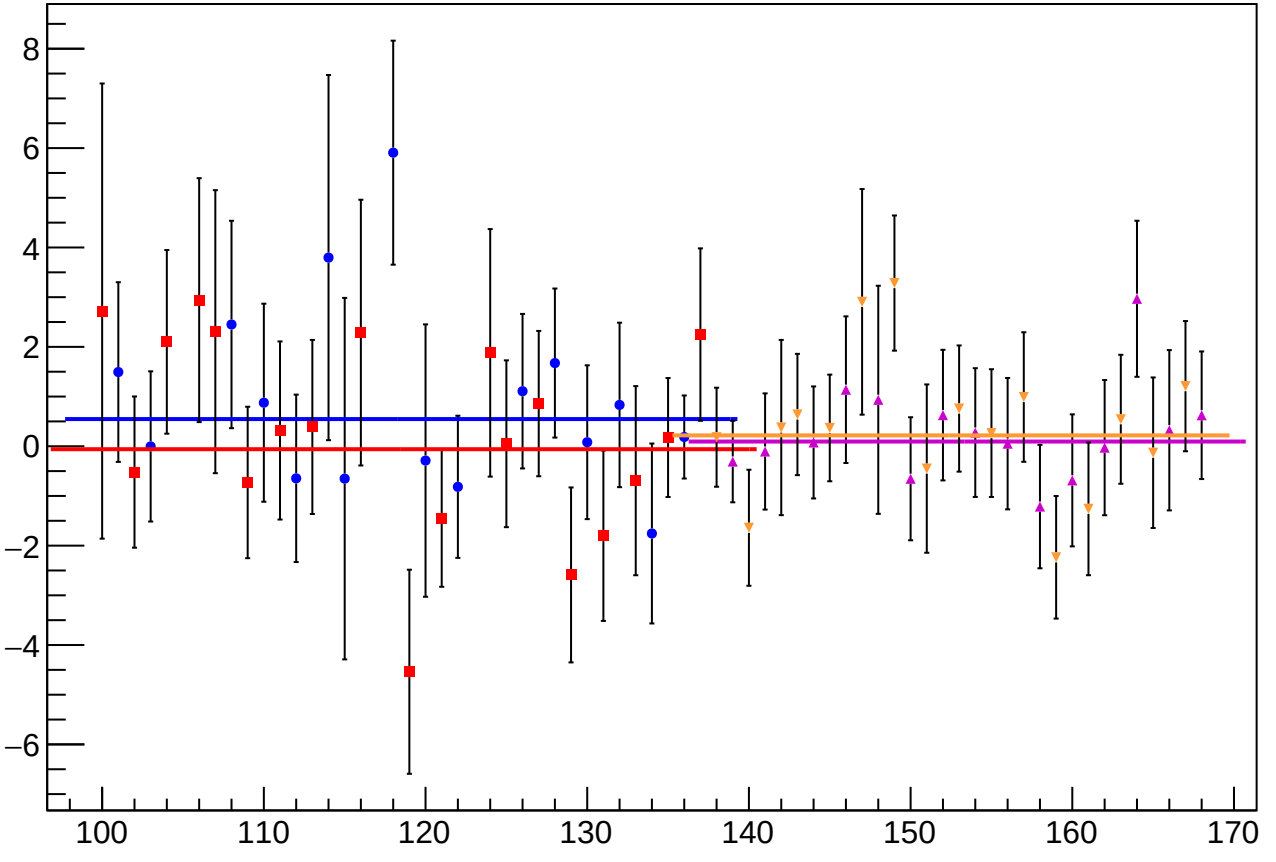
Left In: 6322.673+/-1.286 χ^2/NDF:417240.6/14

+ sign 6592.520+/-1.066 χ^2/NDF: 1183973.6/31

All: 6571.097+/-0.752 χ^2/NDF: 2466092.8/65

- sign 6549.870+/-1.061 χ^2/NDF: 1281314.4/33

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.219+/-0.327 χ^2/NDF:15.7/15

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

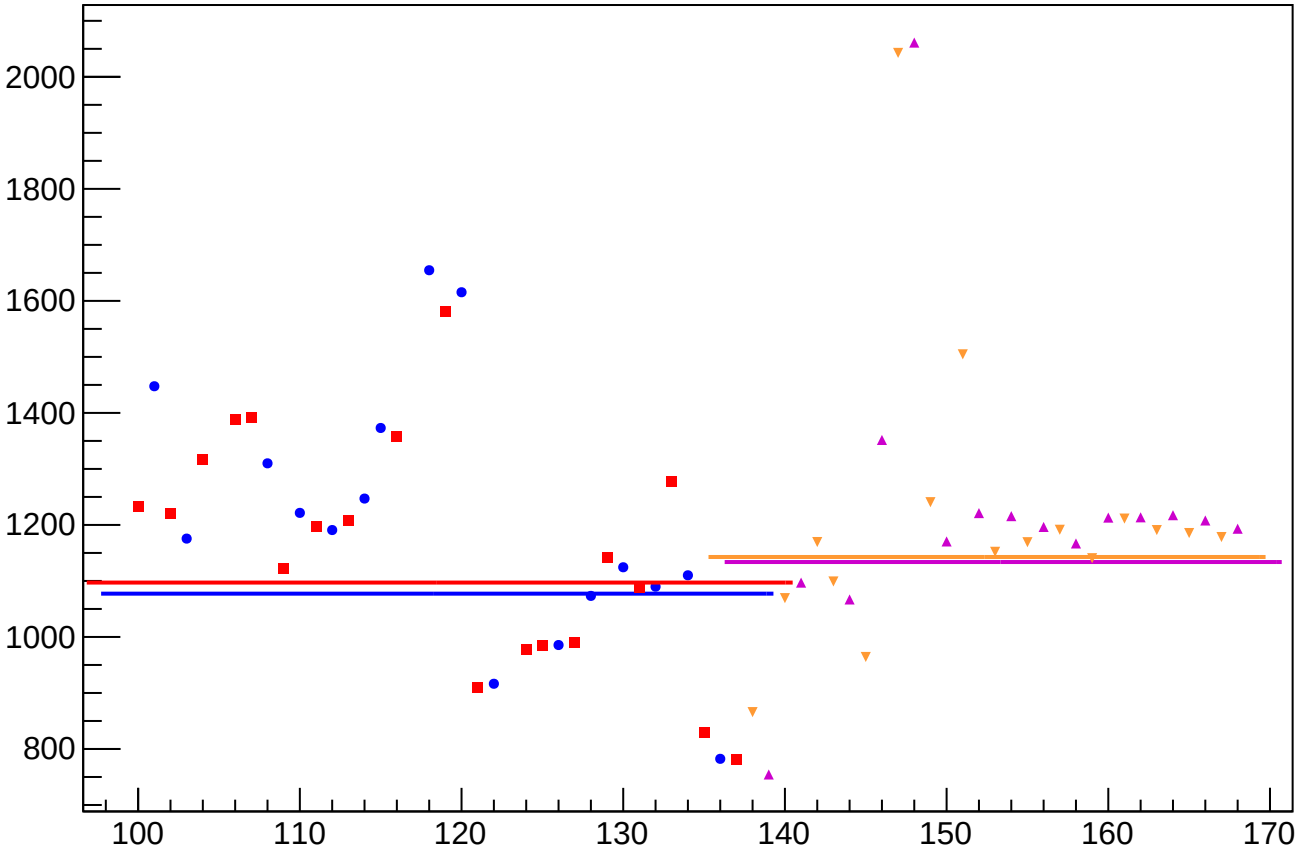
Left In: 0.095+/-0.330 χ^2/NDF:6.5/14

+ sign 0.346+/-0.256 χ^2/NDF: 28.0/31

All: 0.190+/-0.181 χ^2/NDF: 52.2/65

- sign 0.034+/-0.257 χ^2/NDF: 23.4/33

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1142.779+/-0.231 χ^2/NDF:651618.6/15

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

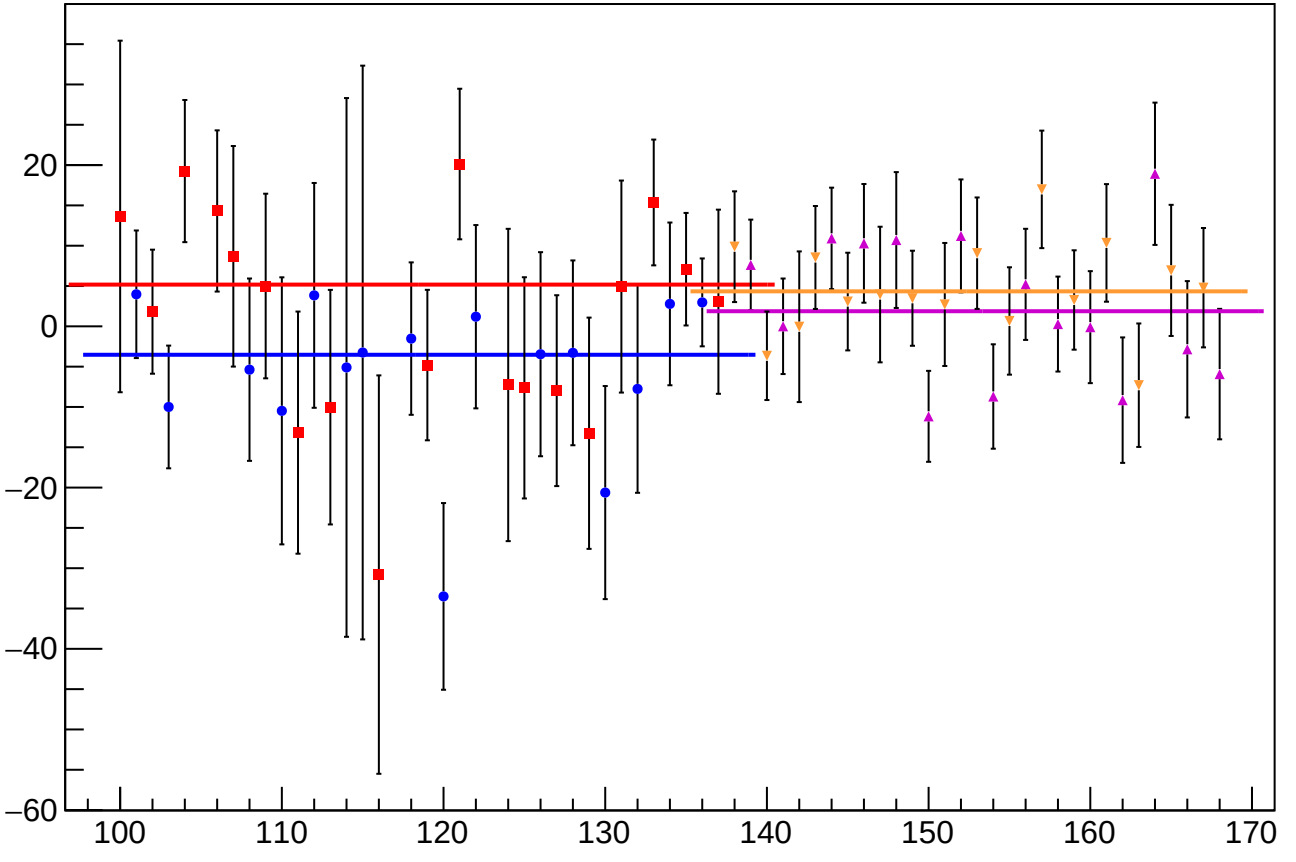
Left In: 1133.775+/-0.233 χ^2/NDF:859816.6/14

+ sign 1117.353+/-0.181 χ^2/NDF: 1329203.3/31

All: 1118.340+/-0.128 χ^2/NDF: 2683200.6/65

- sign 1119.332+/-0.181 χ^2/NDF: 1353937.7/33

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 4.340+/-1.726 χ^2/NDF:10.4/15

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

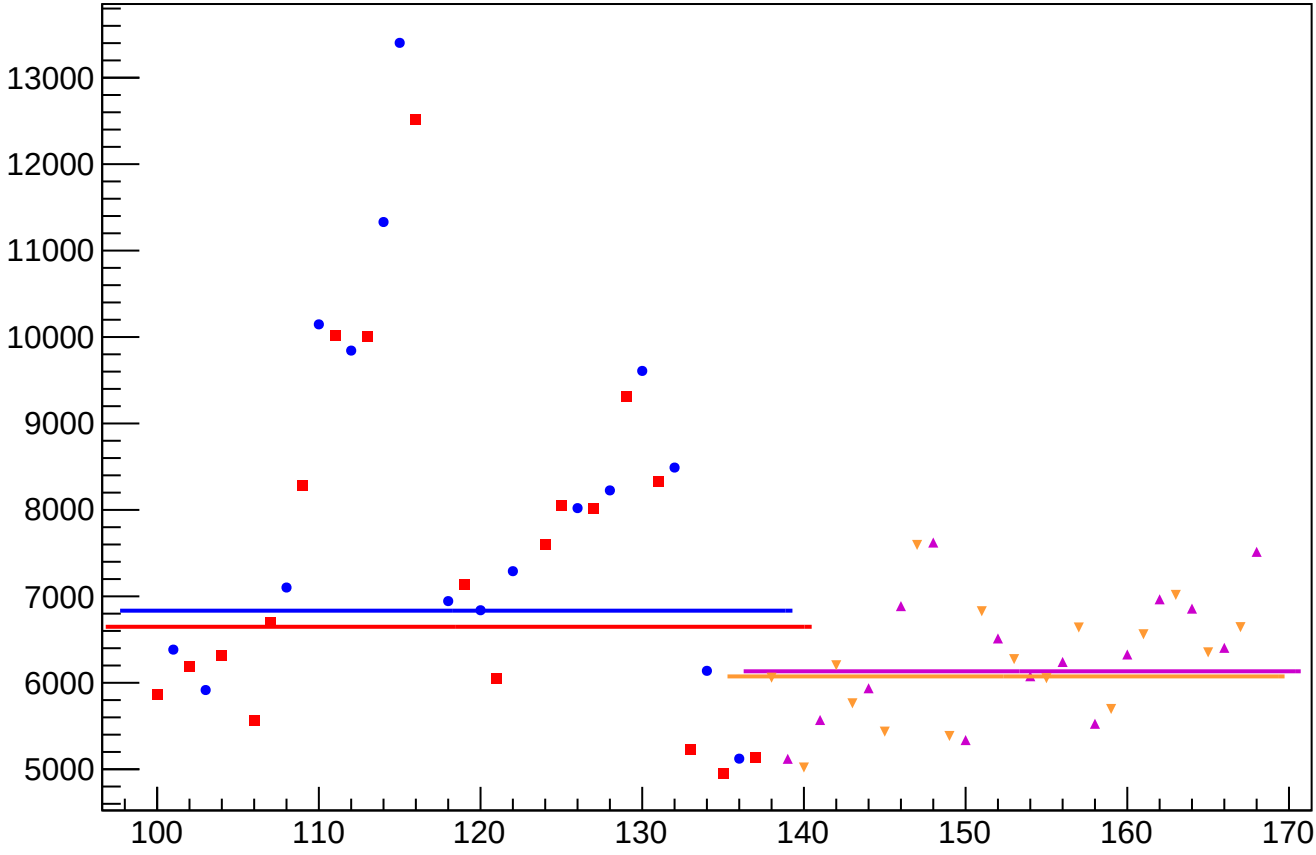
Left In: 1.875+/-1.760 χ^2/NDF:22.8/14

+ sign 1.944+/-1.439 χ^2/NDF: 29.4/31

All: 2.454+/-1.018 χ^2/NDF: 71.8/65

- sign 2.964+/-1.441 χ^2/NDF: 42.1/33

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6073.856+/-1.221 χ^2/NDF:288110.5/15

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

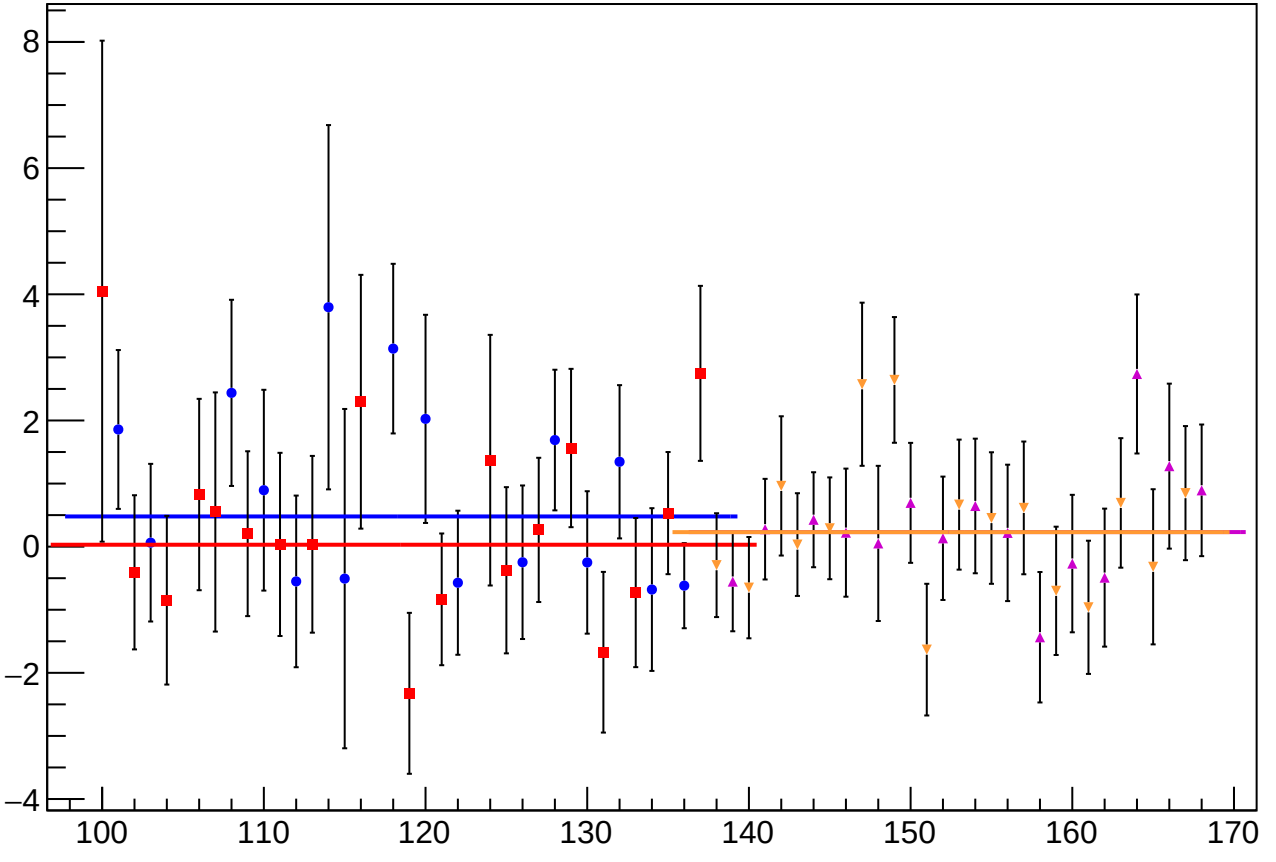
Left In: 6133.077+/-1.244 χ^2/NDF:334469.4/14

+ sign 6305.505+/-1.018 χ^2/NDF: 1099078.2/31

All: 6304.237+/-0.720 χ^2/NDF: 2275145.0/65

- sign 6302.968+/-1.019 χ^2/NDF: 1176063.7/33

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.230+/-0.246 χ^2/NDF:17.7/15

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

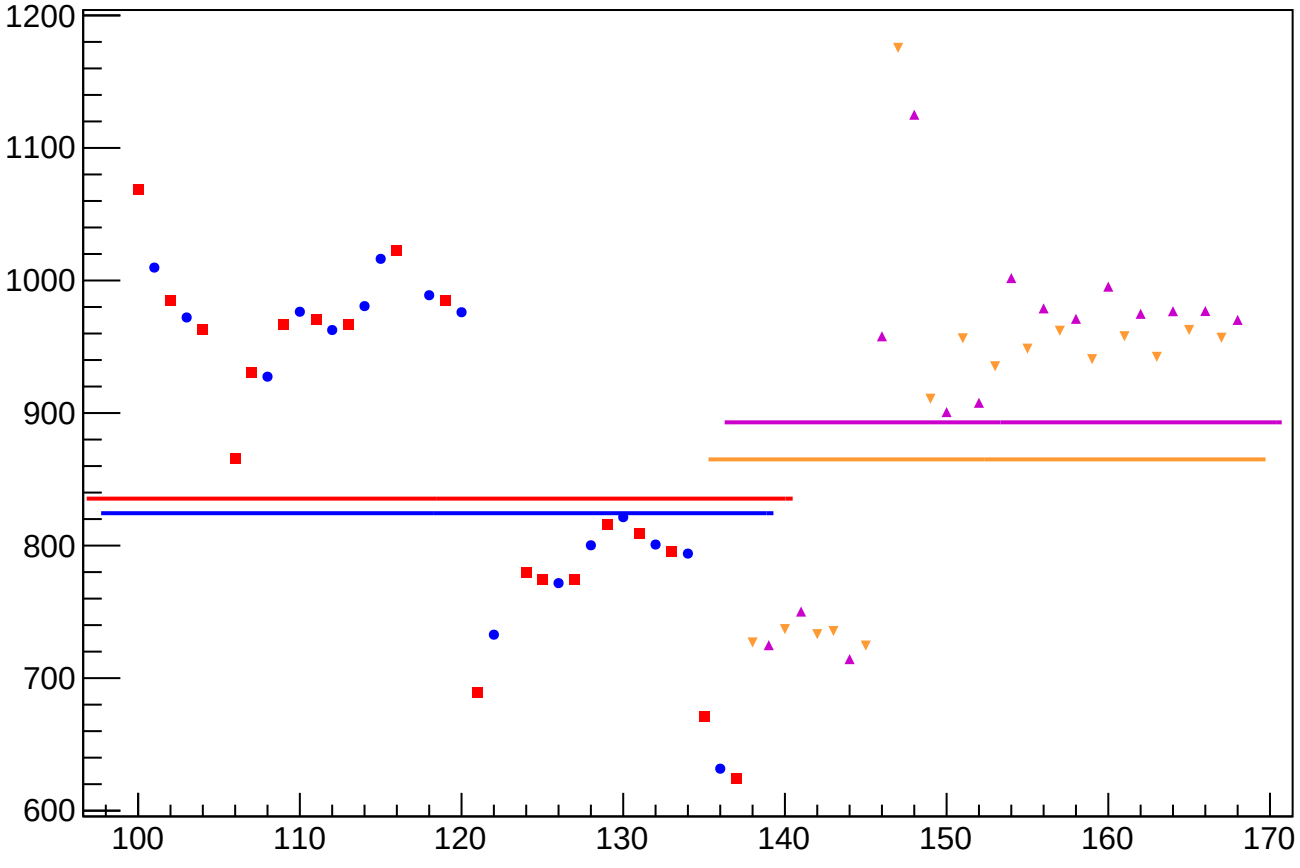
Left In: 0.231+/-0.256 χ^2/NDF:9.7/14

+ sign 0.326+/-0.193 χ^2/NDF: 34.8/31

All: 0.239+/-0.138 χ^2/NDF: 60.9/65

- sign 0.149+/-0.197 χ^2/NDF: 25.7/33

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 865.035+/-0.174 χ^2/NDF:486431.4/15

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

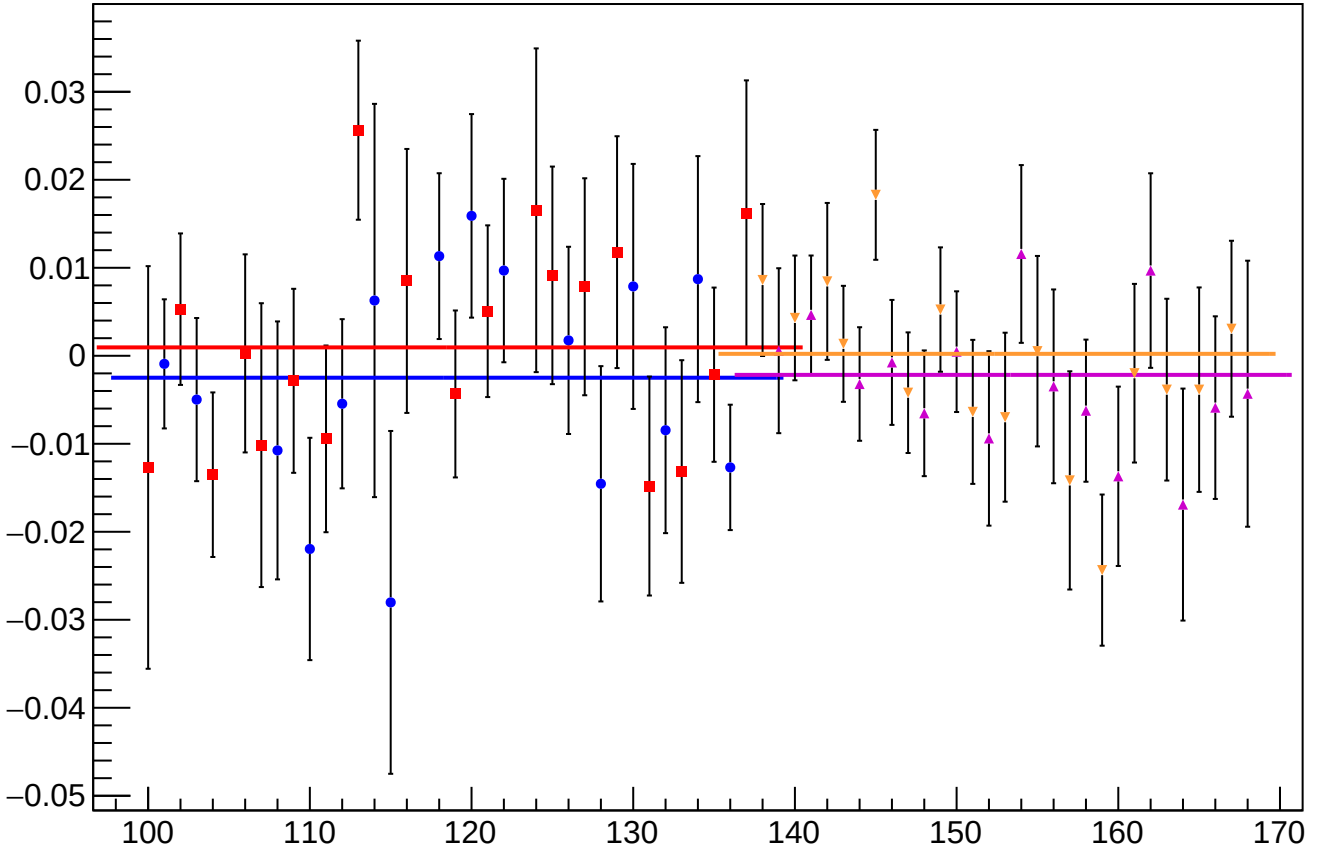
Left In: 892.984+/-0.181 χ^2/NDF:449576.7/14

+ sign 849.405+/-0.136 χ^2/NDF: 872890.0/31

All: 859.217+/-0.097 χ^2/NDF: 1693519.6/65

- sign 869.479+/-0.139 χ^2/NDF: 810035.2/33

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.002 χ^2/NDF:20.2/15

Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

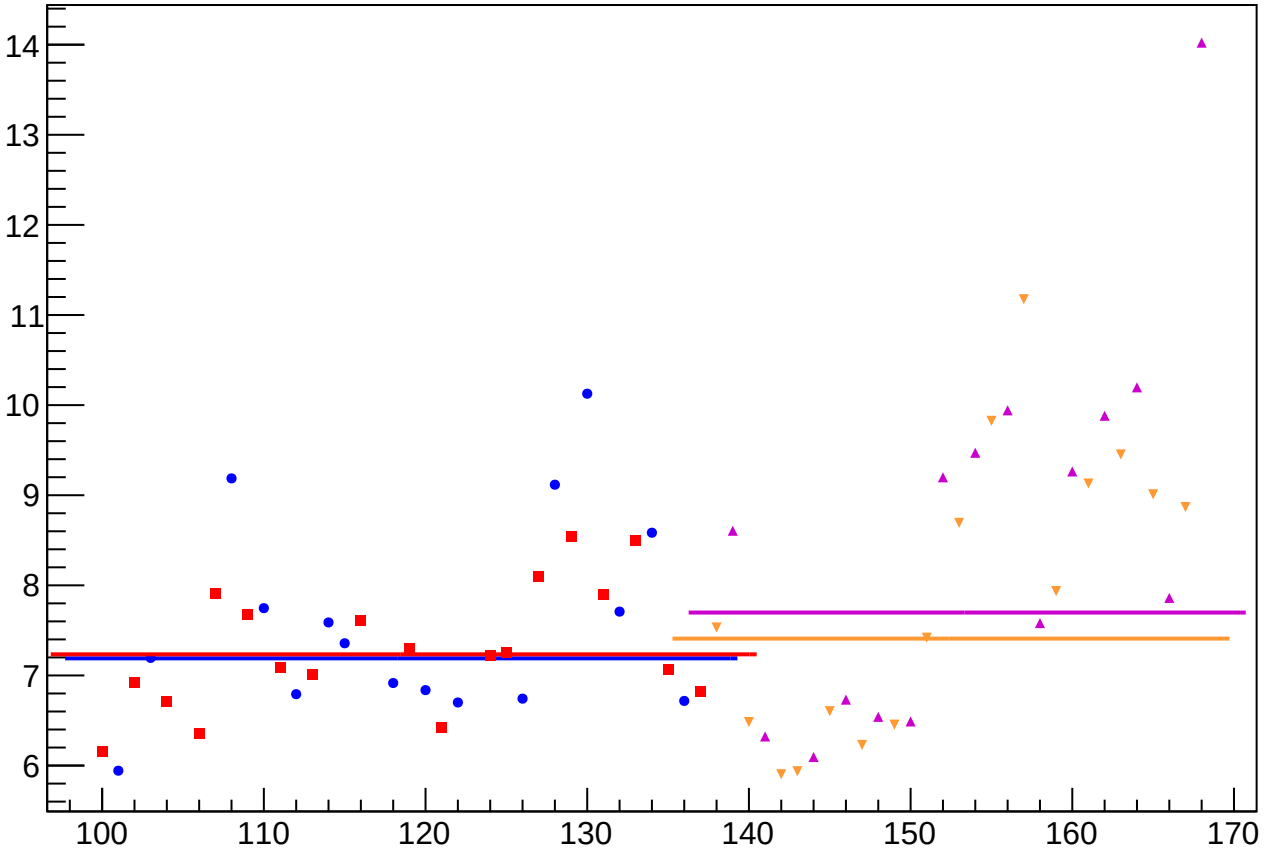
Left In: -0.002+/-0.002 χ^2/NDF:8.2/14

+ sign -0.001+/-0.002 χ^2/NDF: 36.1/31

All: -0.001+/-0.001 χ^2/NDF: 62.4/65

- sign -0.001+/-0.002 χ^2/NDF: 26.3/33

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.409+/-0.002 χ^2/NDF:854919.3/15

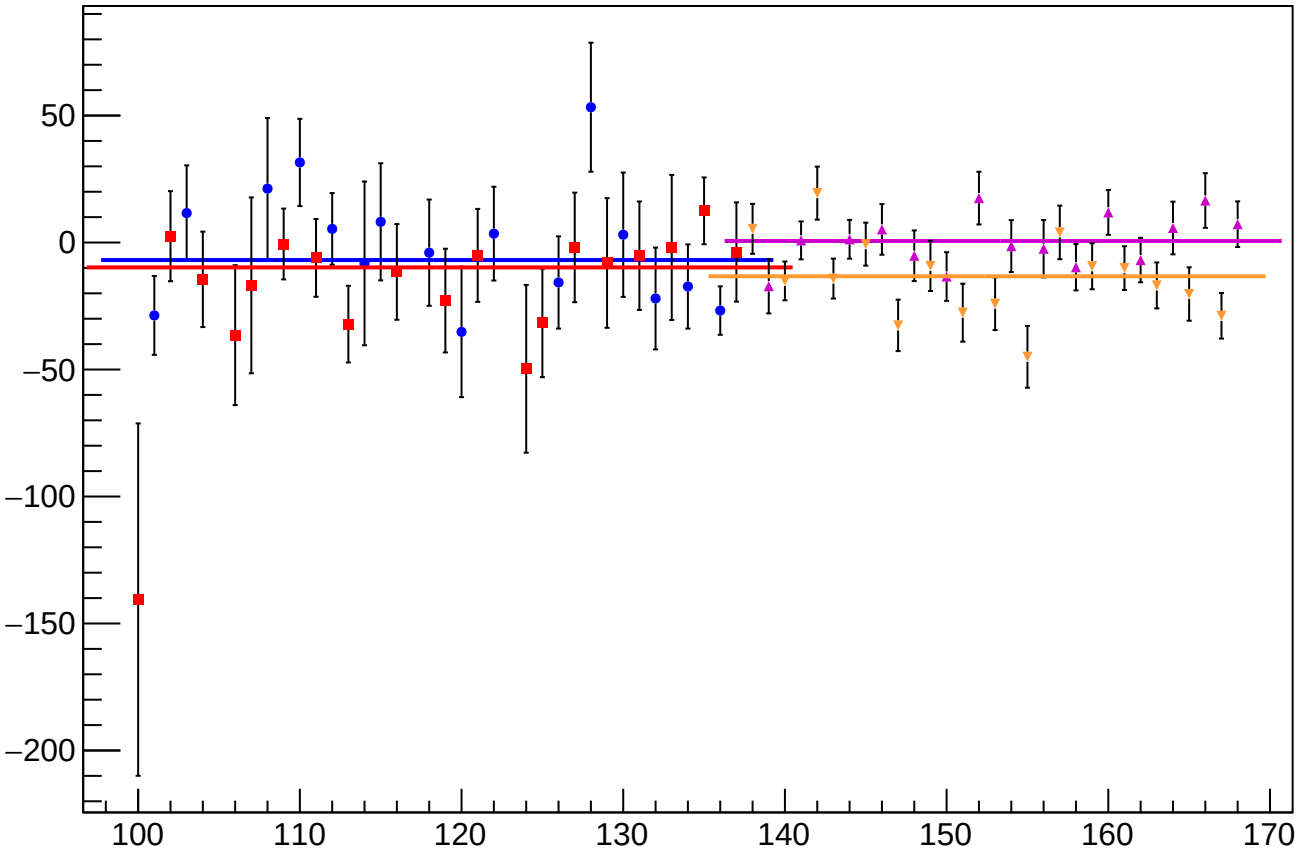
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.698+/-0.002 χ^2/NDF:1115583.1/14

+ sign 7.325+/-0.001 χ^2/NDF: 1140646.8/31

All: 7.413+/-0.001 χ^2/NDF: 2409338.1/65

- sign 7.505+/-0.001 χ^2/NDF: 1257386.7/33



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -13.290+/-2.365 χ^2/NDF:35.6/15

Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

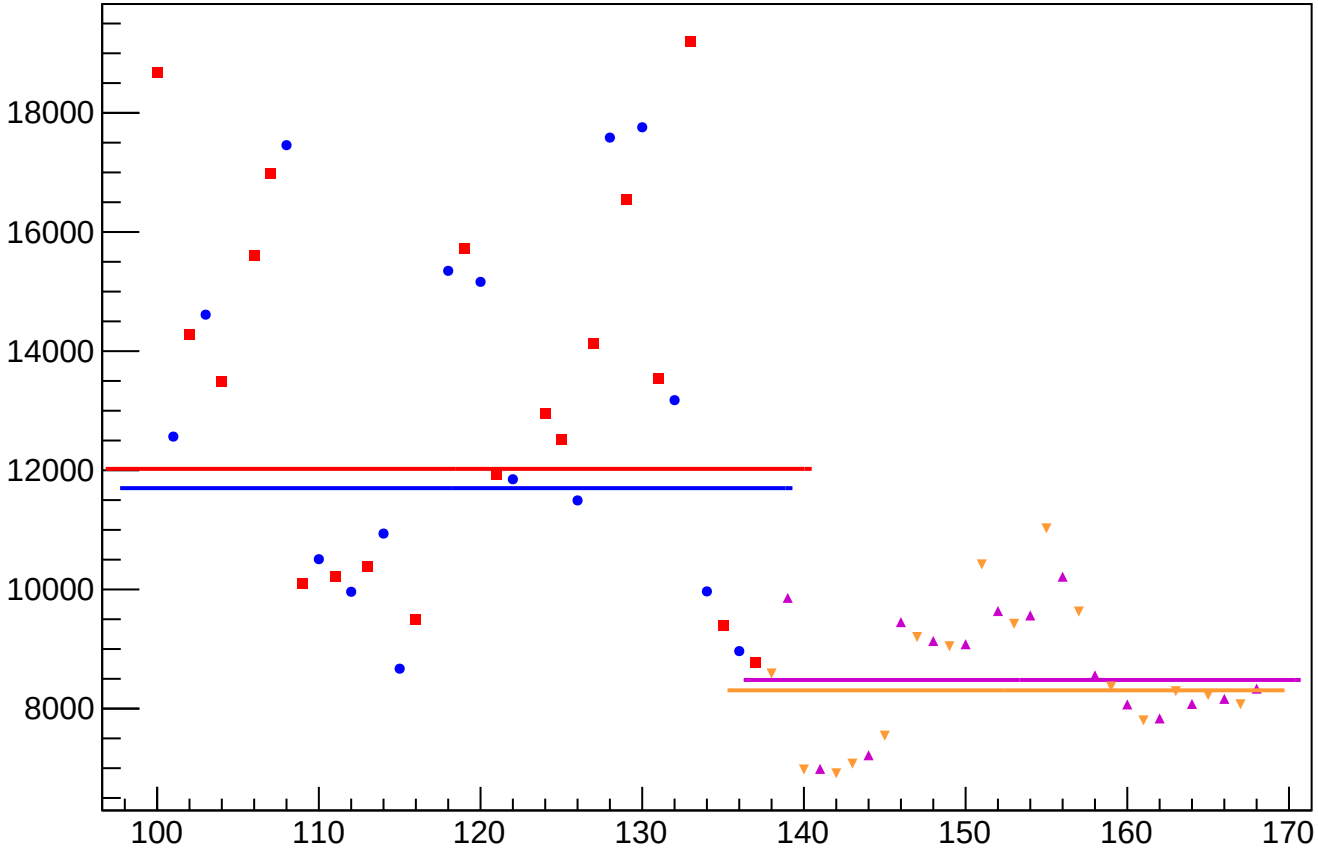
Left In: 0.604+/-2.428 χ^2/NDF:14.8/14

+ sign -11.900+/-2.092 χ^2/NDF: 60.2/31

All: -6.924+/-1.495 χ^2/NDF: 104.7/65

- sign -1.725+/-2.138 χ^2/NDF: 32.9/33

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8306.719+/-1.672 χ^2/NDF:421114.4/15

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

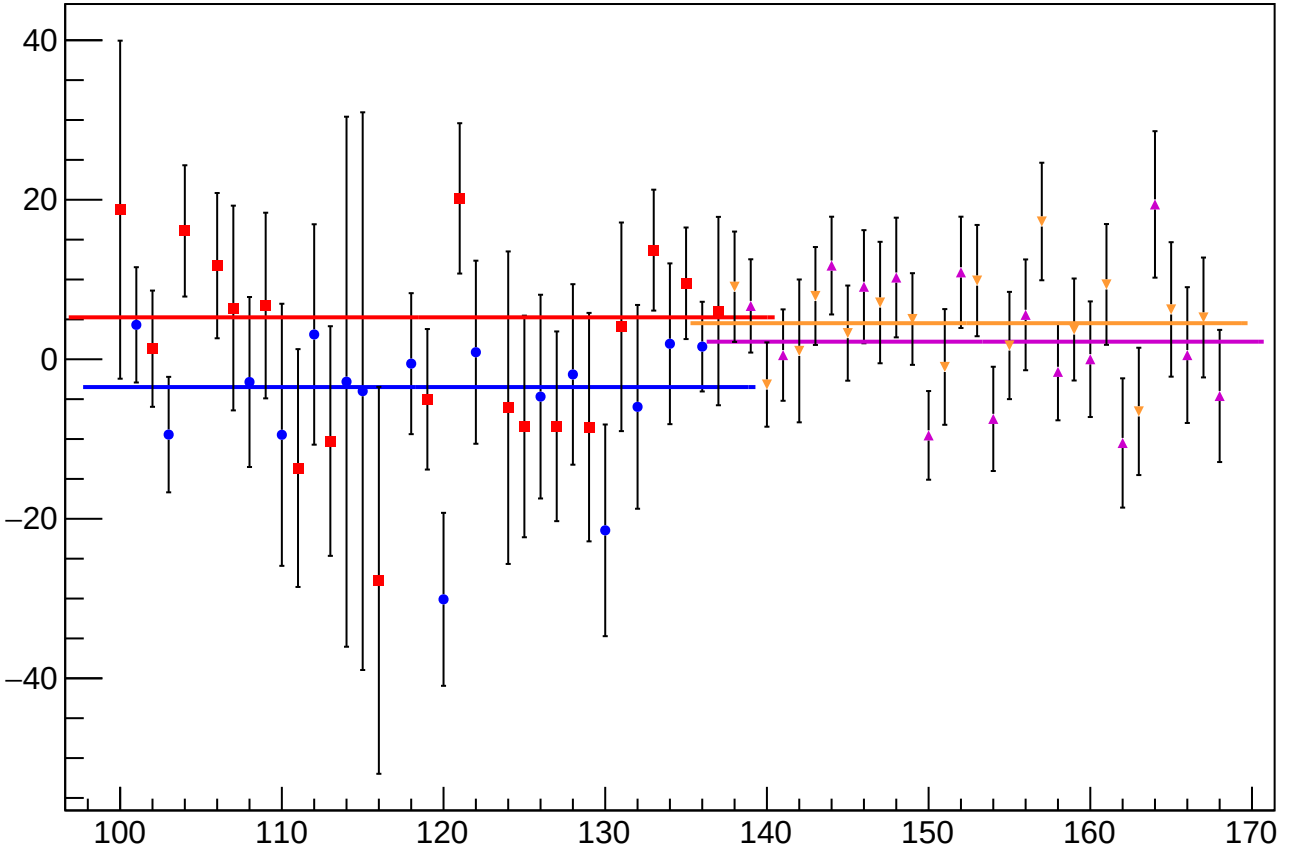
Left In: 8481.138+/-1.717 χ^2/NDF:318114.9/14

+ sign 9044.135+/-1.479 χ^2/NDF: 2056386.2/31

All: 9157.117+/-1.057 χ^2/NDF: 4025851.3/65

- sign 9275.161+/-1.512 χ^2/NDF: 1957538.5/33

diff_targ_positionY_mean vs Slug



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 4.524+/-1.713 χ^2/NDF:9.9/15

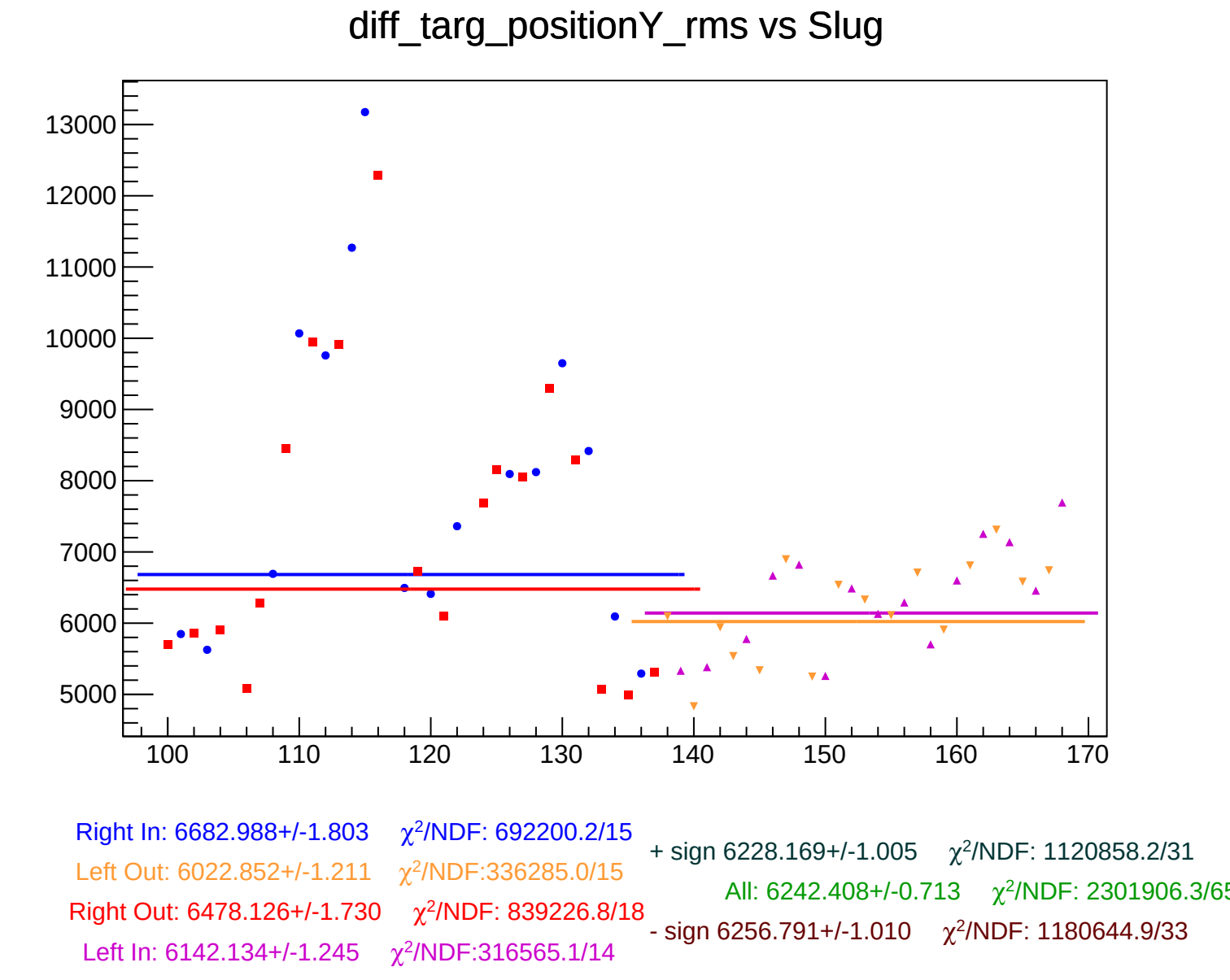
Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: 2.205+/-1.761 χ^2/NDF:20.8/14

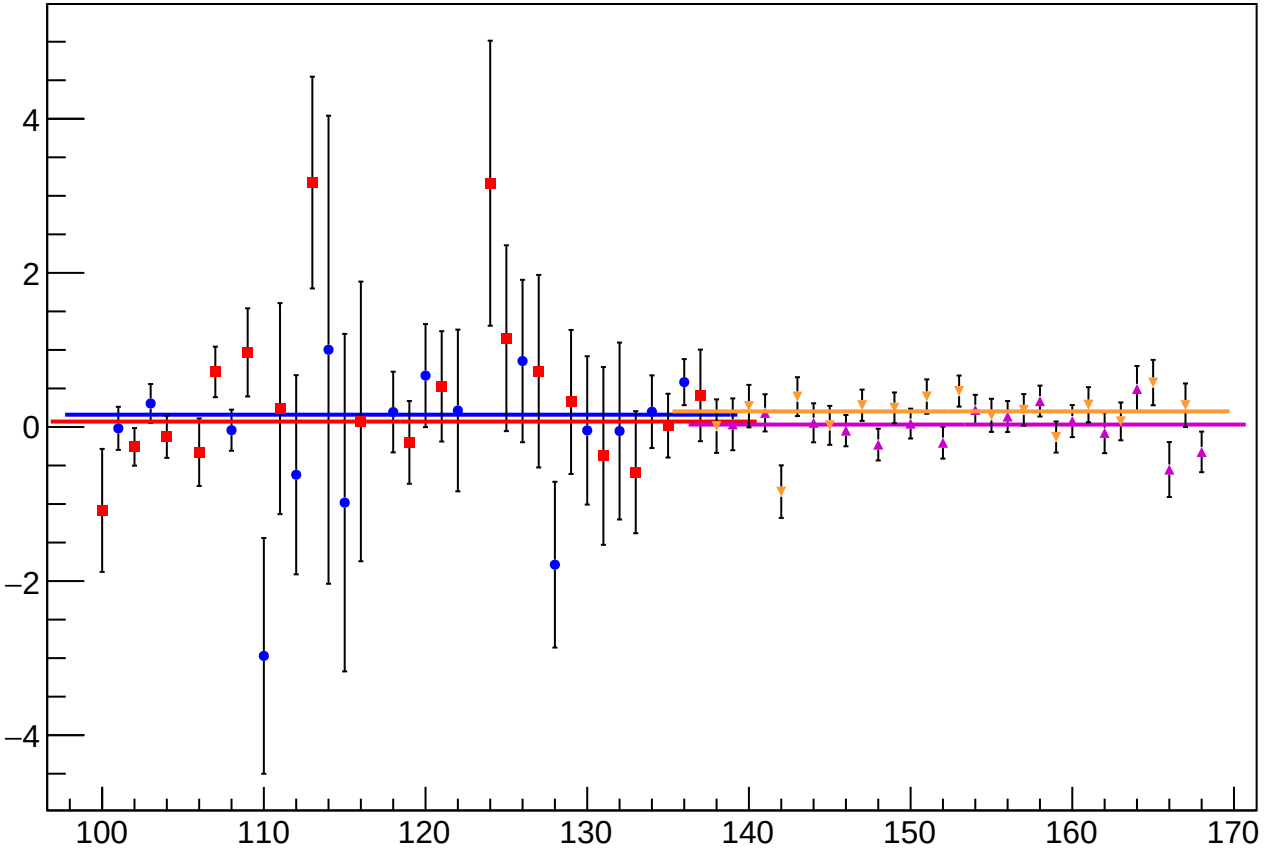
+ sign 2.033+/-1.422 χ^2/NDF: 28.2/31

All: 2.637+/-1.008 χ^2/NDF: 67.0/65

- sign 3.247+/-1.429 χ^2/NDF: 38.4/33


diff_targ_positionY_rms vs Slug
13000
12000
11000
10000
9000
8000
7000
6000
5000
100
110
120
130
140
150
160
170
Right In: 6682.988+/-1.803 χ²/NDF: 692200.2/15
Left Out: 6022.852+/-1.211 χ²/NDF:336285.0/15
Right Out: 6478.126+/-1.730 χ²/NDF: 839226.8/18
Left In: 6142.134+/-1.245 χ²/NDF:316565.1/14
+ sign 6228.169+/-1.005 χ²/NDF: 1120858.2/31
All: 6242.408+/-0.713 χ²/NDF: 2301906.3/65
- sign 6256.791+/-1.010 χ²/NDF: 1180644.9/33

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.202+/-0.059 χ^2/NDF:18.3/15

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

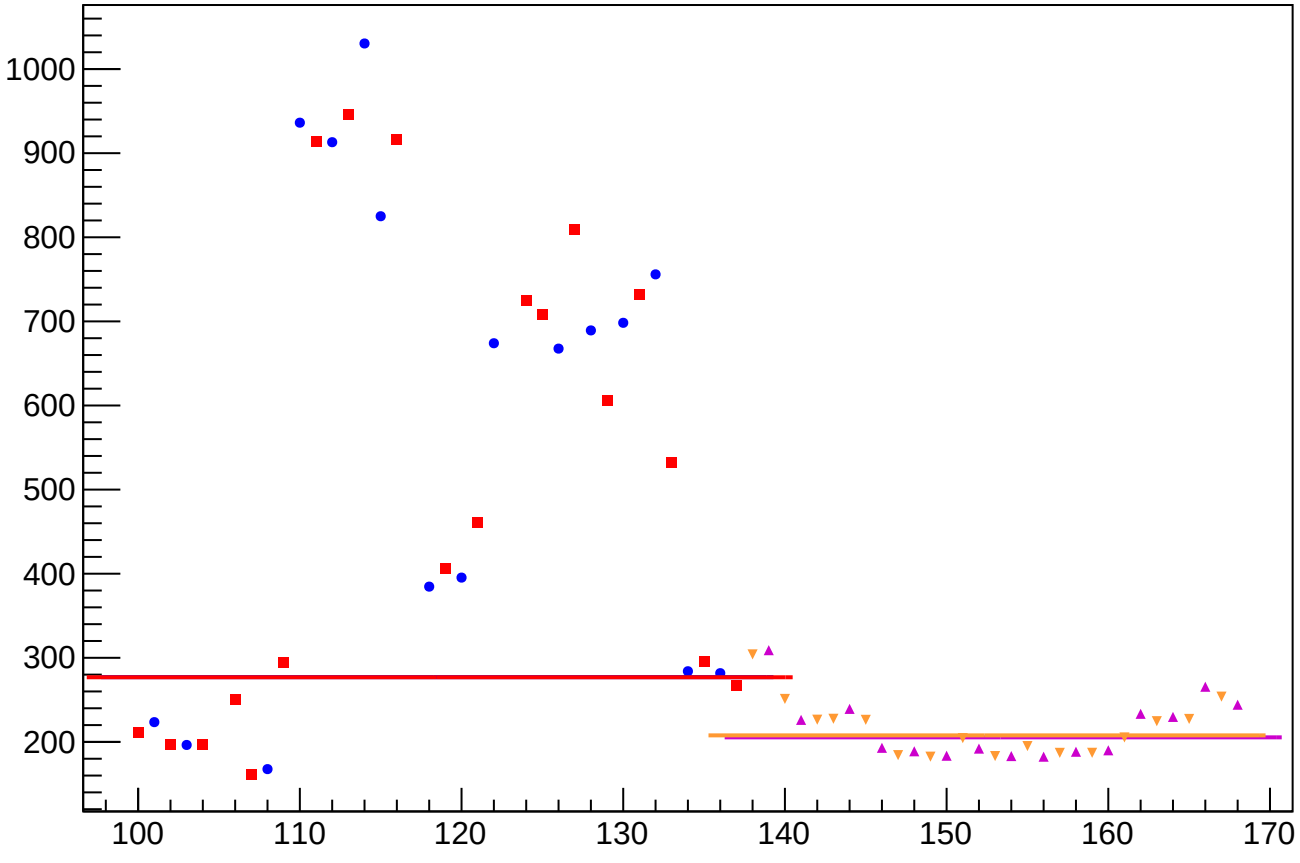
Left In: 0.031+/-0.059 χ^2/NDF:14.1/14

+ sign 0.194+/-0.053 χ^2/NDF: 31.0/31

All: 0.116+/-0.037 χ^2/NDF: 71.9/65

- sign 0.039+/-0.053 χ^2/NDF: 36.6/33

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 207.784+/-0.042 χ^2/NDF:441618.0/15

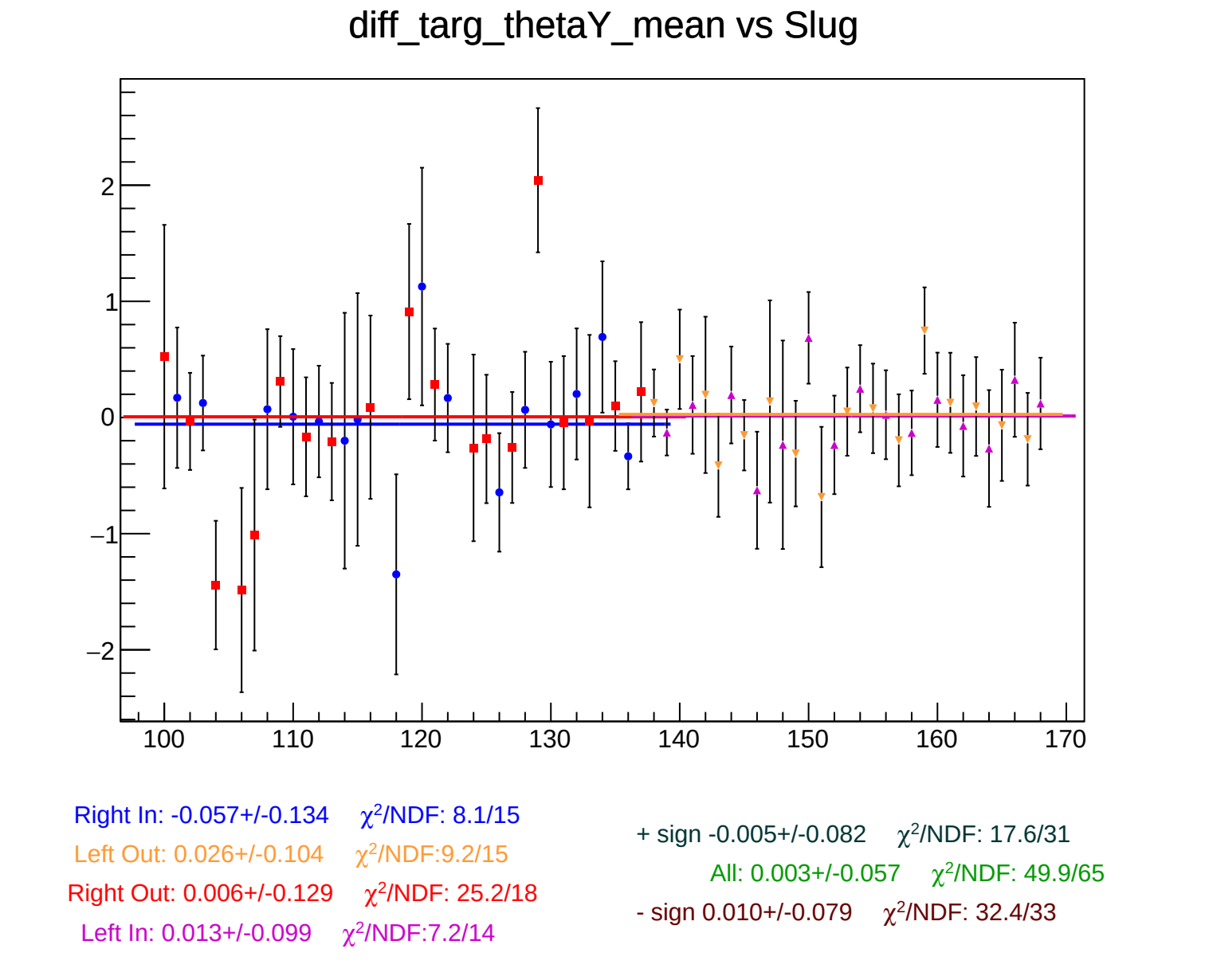
Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 205.424+/-0.042 χ^2/NDF:508394.6/14

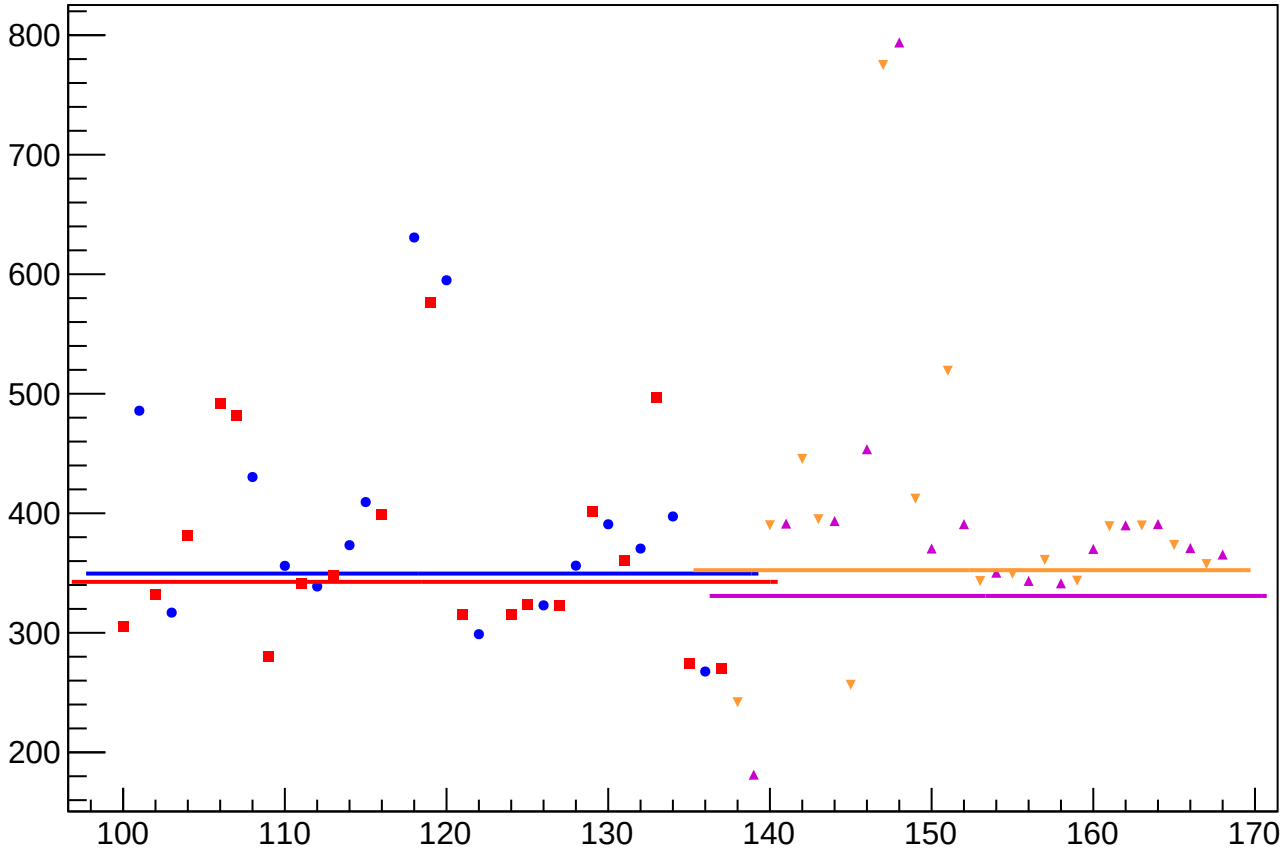
+ sign 221.414+/-0.038 χ^2/NDF: 4430572.7/31

All: 220.423+/-0.027 χ^2/NDF: 9084719.9/65

- sign 219.434+/-0.037 χ^2/NDF: 4652753.9/33


diff_targ_thetaY_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.057+/-0.134 χ²/NDF: 8.1/15
Left Out: 0.026+/-0.104 χ²/NDF:9.2/15
Right Out: 0.006+/-0.129 χ²/NDF: 25.2/18
Left In: 0.013+/-0.099 χ²/NDF:7.2/14
+ sign -0.005+/-0.082 χ²/NDF: 17.6/31
All: 0.003+/-0.057 χ²/NDF: 49.9/65
- sign 0.010+/-0.079 χ²/NDF: 32.4/33

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 352.413+/-0.073 χ^2/NDF:1261023.5/15

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

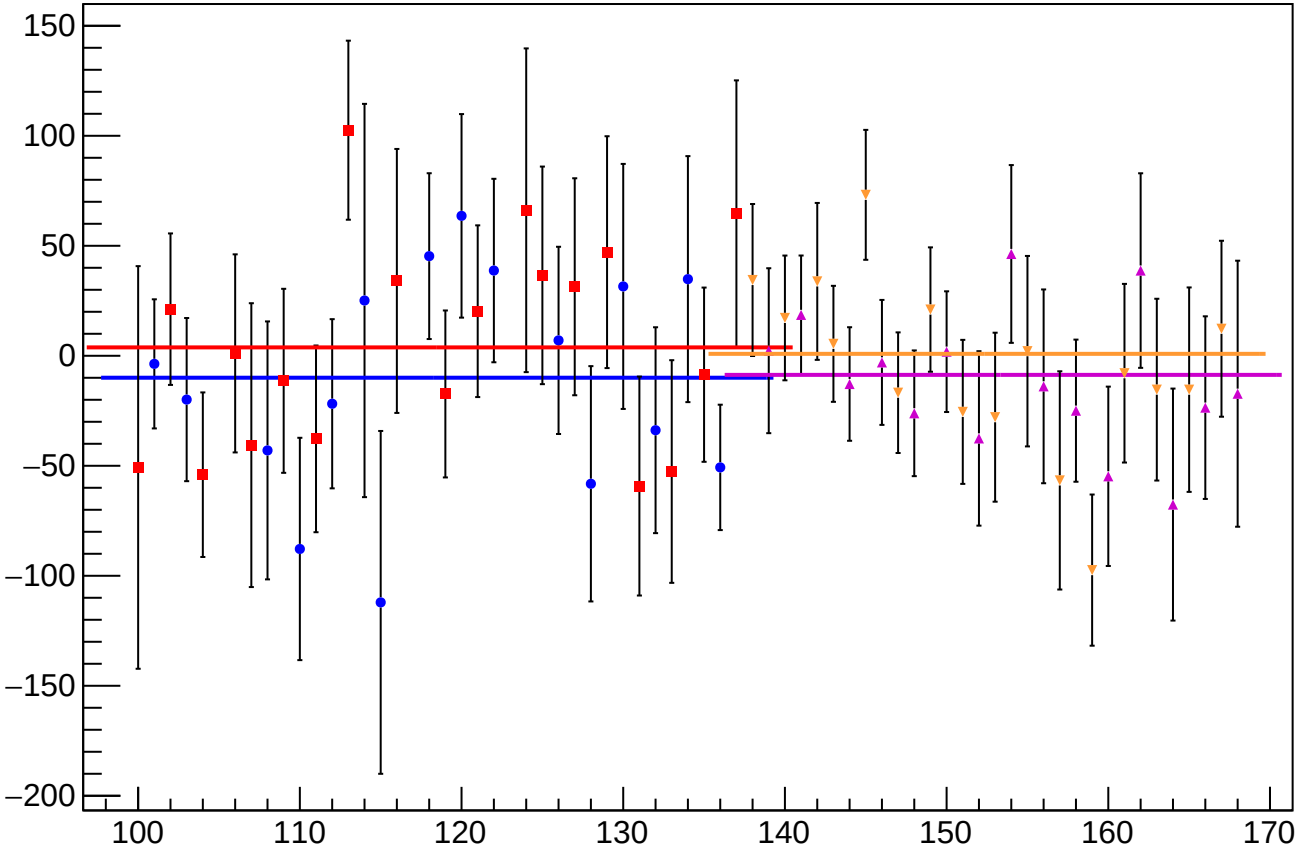
Left In: 330.843+/-0.070 χ^2/NDF:2065785.3/14

+ sign 351.345+/-0.058 χ^2/NDF: 1960896.1/31

All: 342.965+/-0.040 χ^2/NDF: 4653242.6/65

- sign 335.233+/-0.056 χ^2/NDF: 2652062.1/33

diff_bpmE_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.884+/-8.539 χ^2/NDF:20.2/15

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

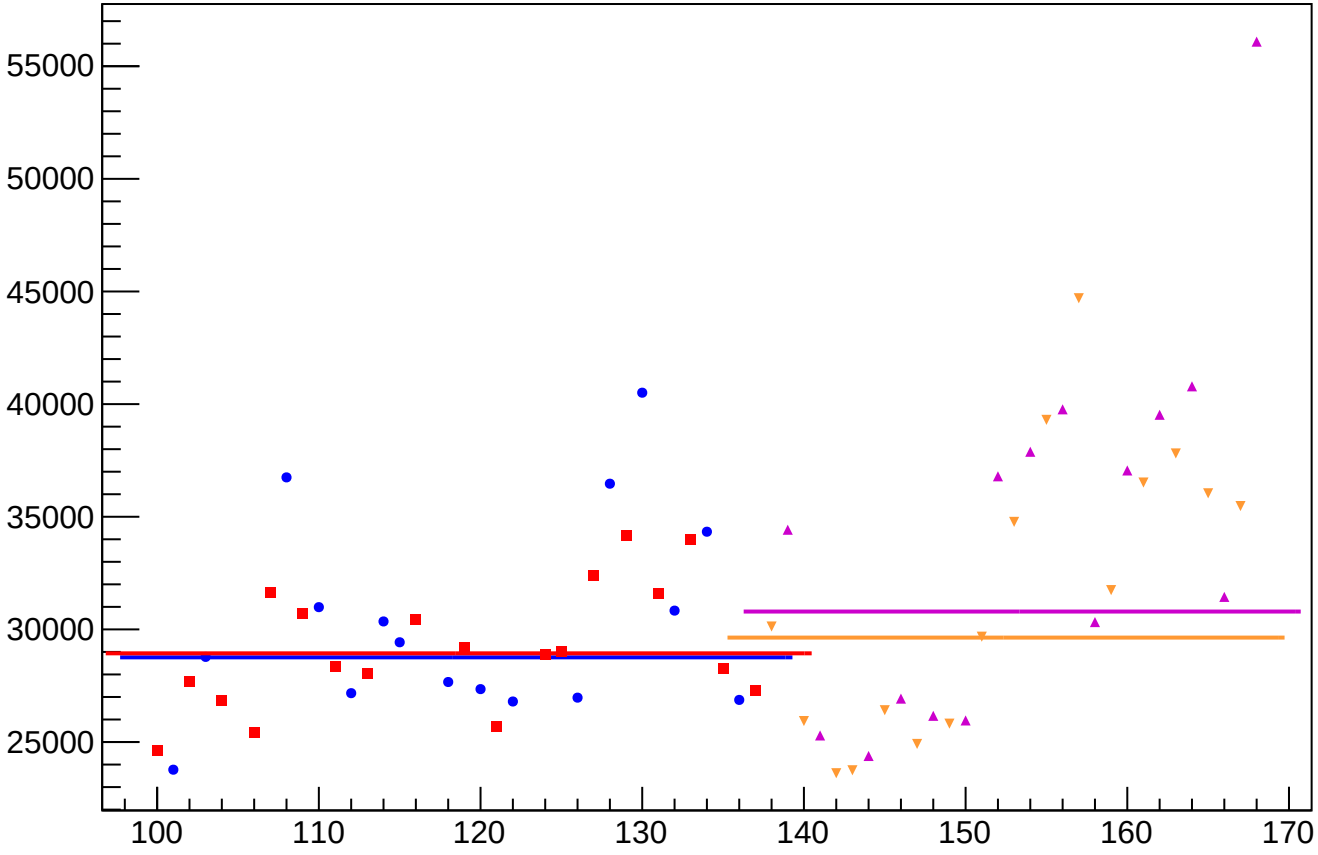
Left In: -8.678+/-8.970 χ^2/NDF:8.2/14

+ sign -3.274+/-6.707 χ^2/NDF: 36.1/31

All: -3.377+/-4.795 χ^2/NDF: 62.4/65

- sign -3.486+/-6.857 χ^2/NDF: 26.3/33

diff_bpmE_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29636.413+/-6.038 χ^2/NDF:854919.3/15

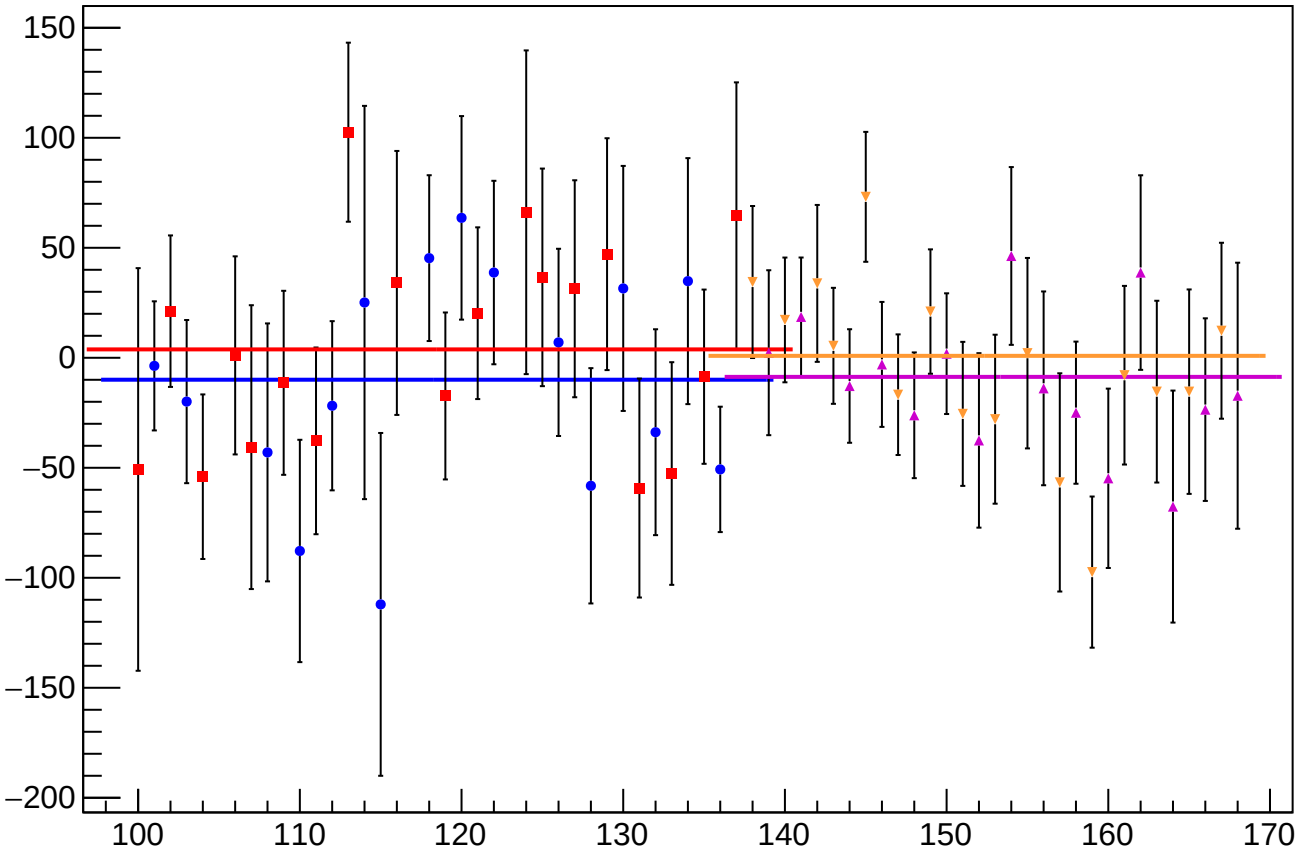
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 30792.324+/-6.343 χ^2/NDF:1115583.1/14

+ sign 29300.337+/-4.742 χ^2/NDF: 1140646.8/31

All: 29652.913+/-3.390 χ^2/NDF: 2409338.1/6

- sign 30021.462+/-4.849 χ^2/NDF: 1257386.7/33



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.884+/-8.539 χ^2/NDF:20.2/15

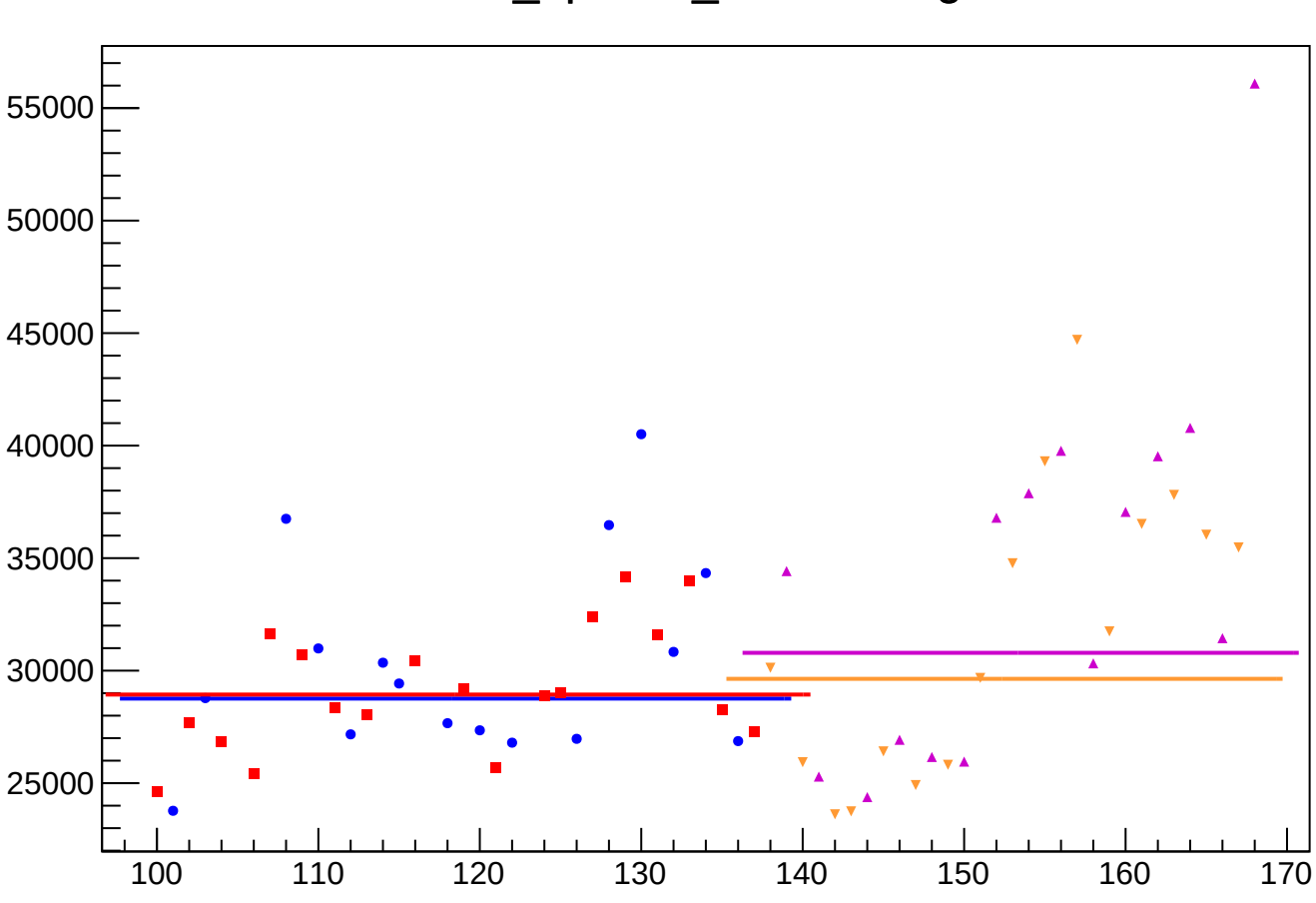
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -8.678+/-8.970 χ^2/NDF:8.2/14

+ sign -3.274+/-6.707 χ^2/NDF: 36.1/31

All: -3.377+/-4.795 χ^2/NDF: 62.4/65

- sign -3.486+/-6.857 χ^2/NDF: 26.3/33



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29636.413+/-6.038 χ^2/NDF:854919.3/15

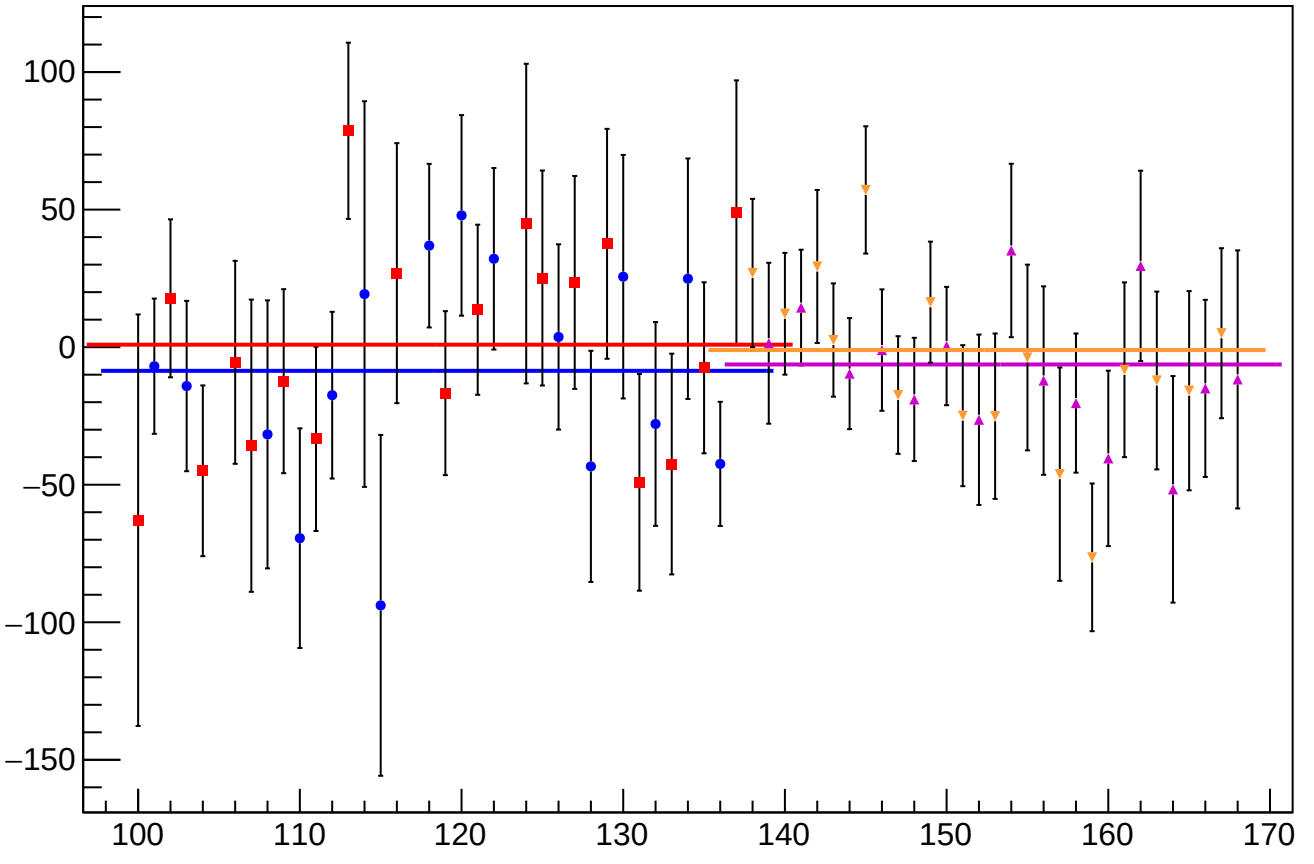
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 30792.324+/-6.343 χ^2/NDF:1115583.1/14

+ sign 29300.337+/-4.742 χ^2/NDF: 1140646.8/31

All: 29652.913+/-3.390 χ^2/NDF: 2409338.1/6

- sign 30021.462+/-4.849 χ^2/NDF: 1257386.7/33



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: -1.047+/-6.666 χ^2/NDF:21.3/15

Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

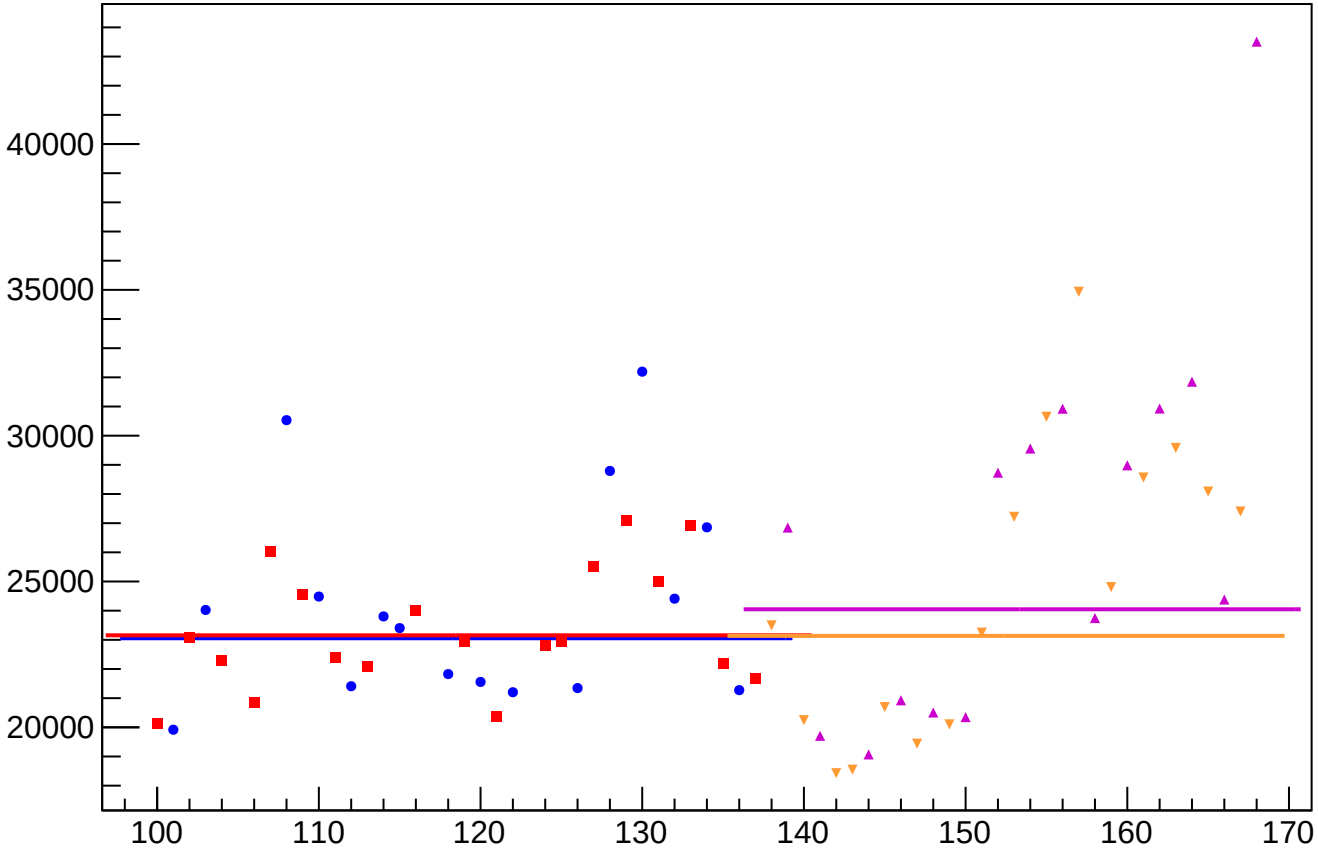
Left In: -6.288+/-7.004 χ^2/NDF:7.5/14

+ sign -3.849+/-5.286 χ^2/NDF: 37.3/31

All: -3.621+/-3.780 χ^2/NDF: 62.9/65

- sign -3.382+/-5.407 χ^2/NDF: 25.6/33

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 23136.082+/-4.713 χ^2/NDF:853418.5/15

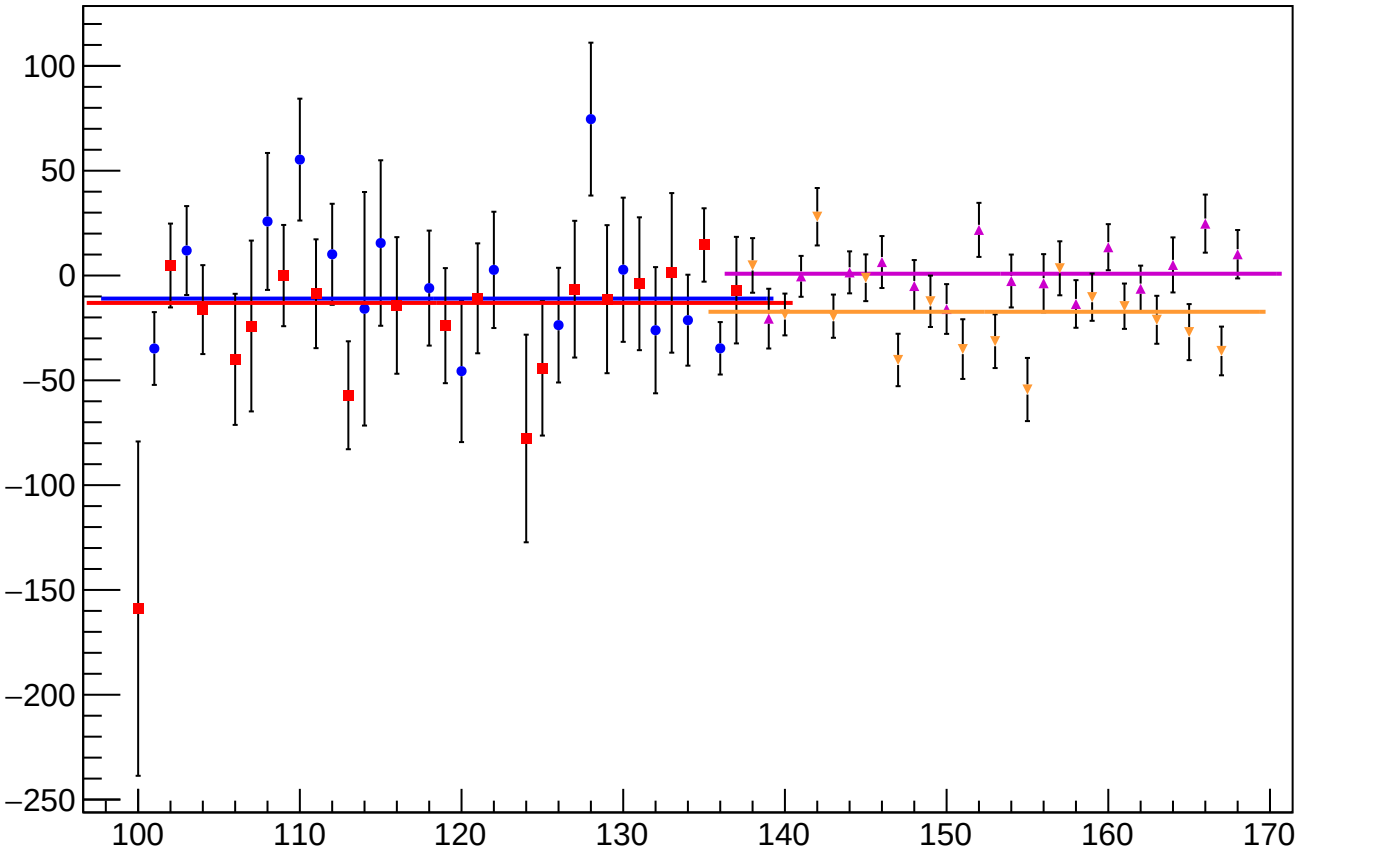
Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 24047.682+/-4.953 χ^2/NDF:1105457.3/14

+ sign 23105.593+/-3.738 χ^2/NDF: 1114976.1/31

All: 23389.785+/-2.673 χ^2/NDF: 2339275.0/6

- sign 23687.084+/-3.823 χ^2/NDF: 1212471.7/33



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -17.298+/-3.011 χ^2/NDF:34.6/15

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

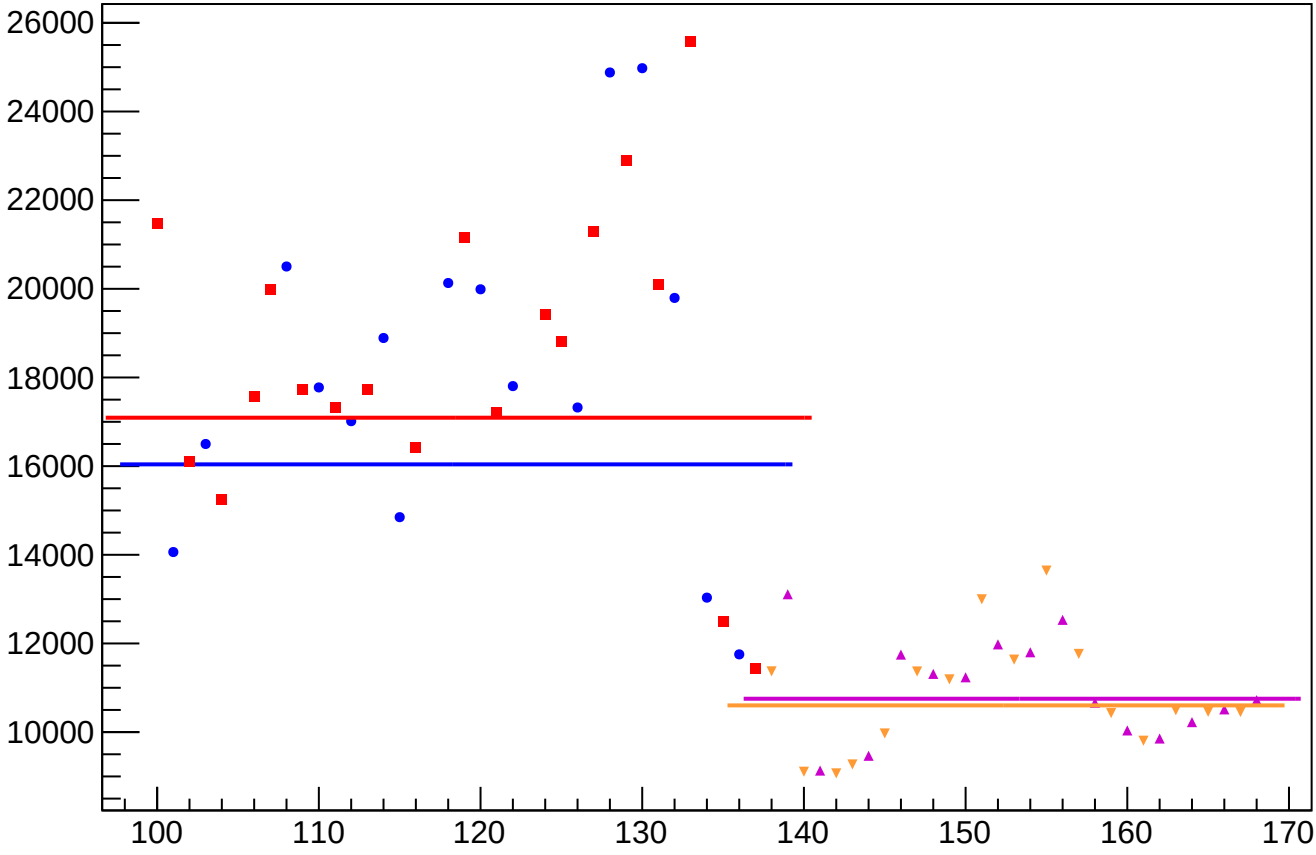
Left In: 0.854+/-3.074 χ^2/NDF:14.6/14

+ sign -16.082+/-2.705 χ^2/NDF: 57.5/31

All: -9.095+/-1.935 χ^2/NDF: 103.5/65

- sign -1.769+/-2.770 χ^2/NDF: 32.3/33

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10602.685+/-2.129 χ^2/NDF:308265.4/15

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

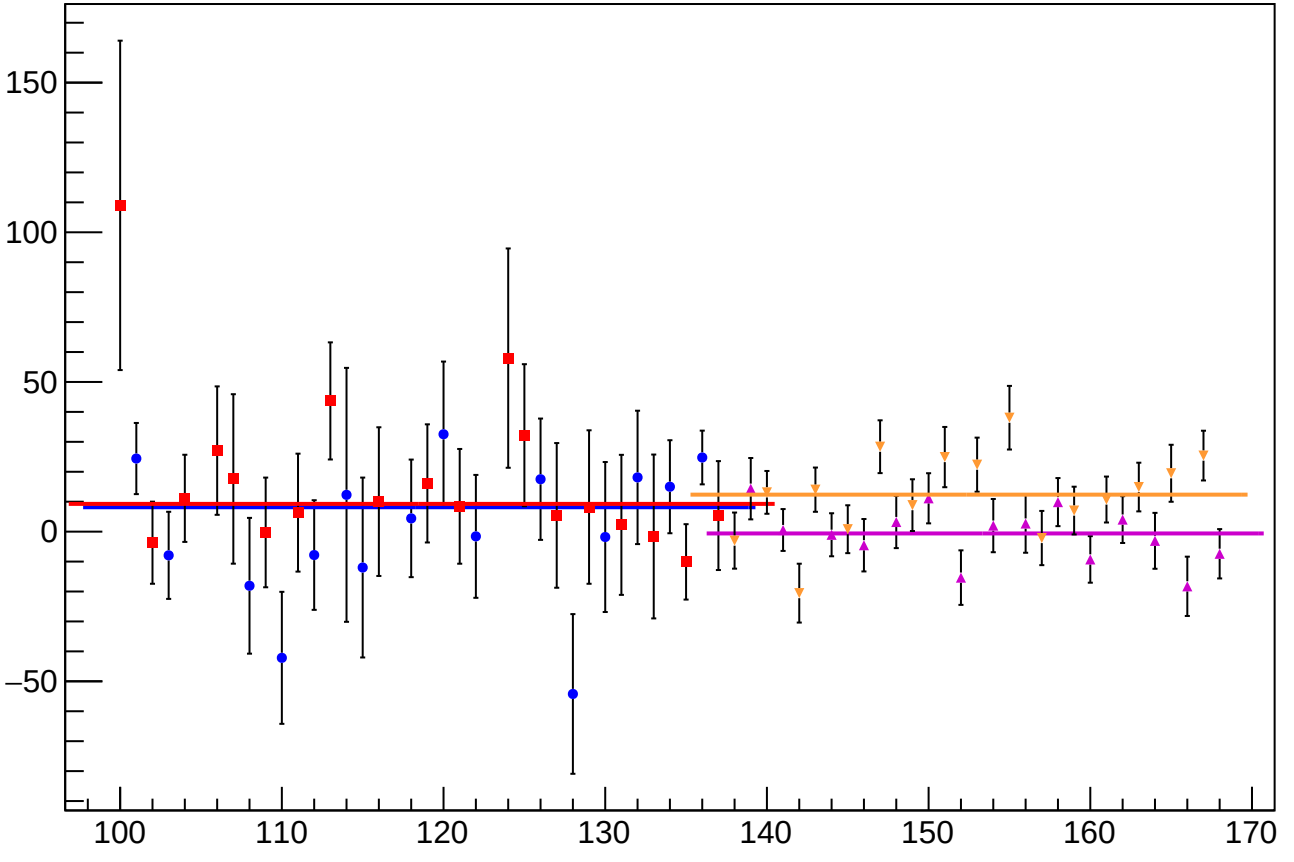
Left In: 10752.701+/-2.174 χ^2/NDF:253760.0/14

+ sign 11652.753+/-1.913 χ^2/NDF: 2290374.7/31

All: 11796.284+/-1.368 χ^2/NDF: 4693184.2/6

- sign 11946.778+/-1.958 χ^2/NDF: 2391272.6/33

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 12.360+/-2.142 χ^2/NDF:34.3/15

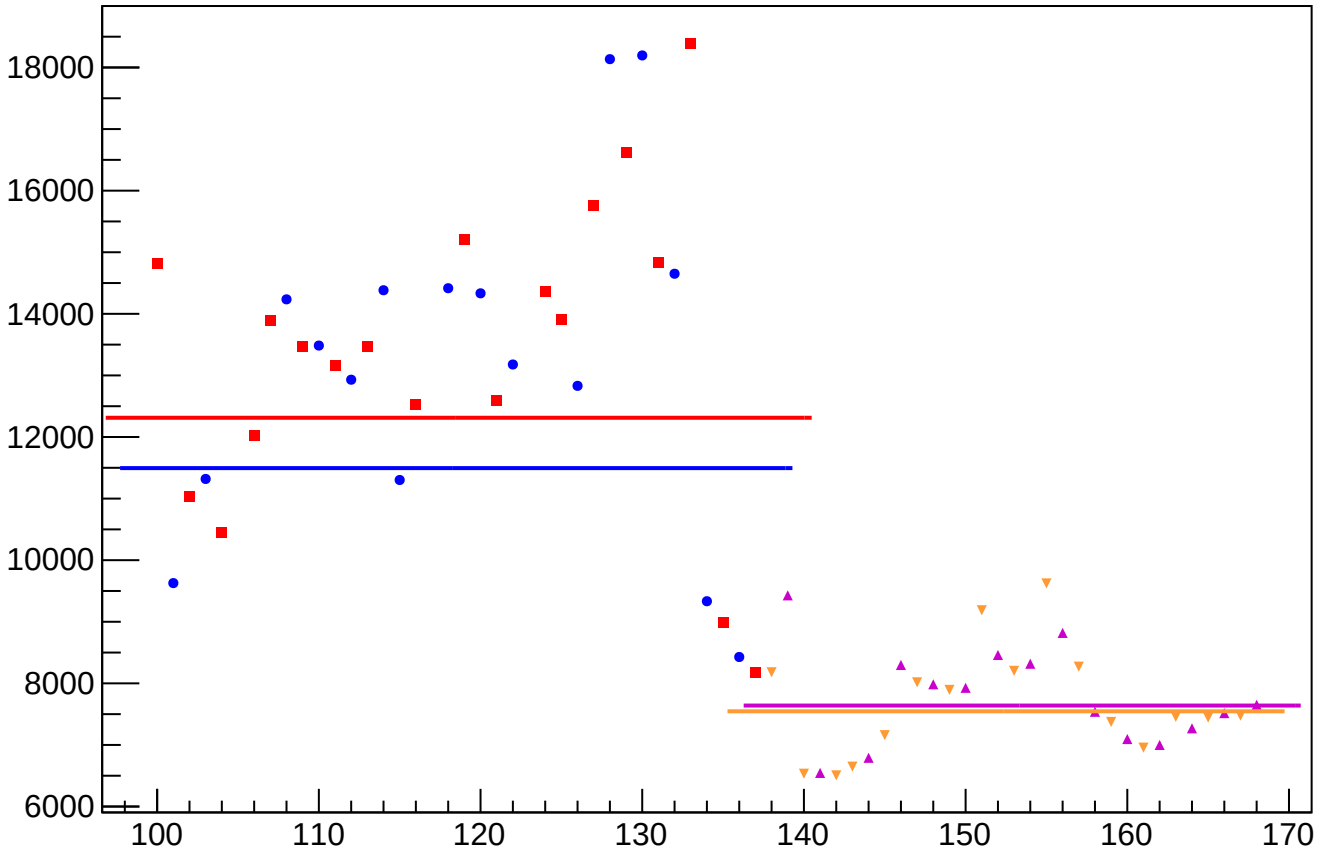
Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -0.604+/-2.184 χ^2/NDF:14.6/14

+ sign 11.560+/-1.928 χ^2/NDF: 56.8/31

All: 6.504+/-1.379 χ^2/NDF: 103.1/65

- sign 1.207+/-1.973 χ^2/NDF: 32.2/33



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7546.272+/-1.515 χ^2/NDF:281125.7/15

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

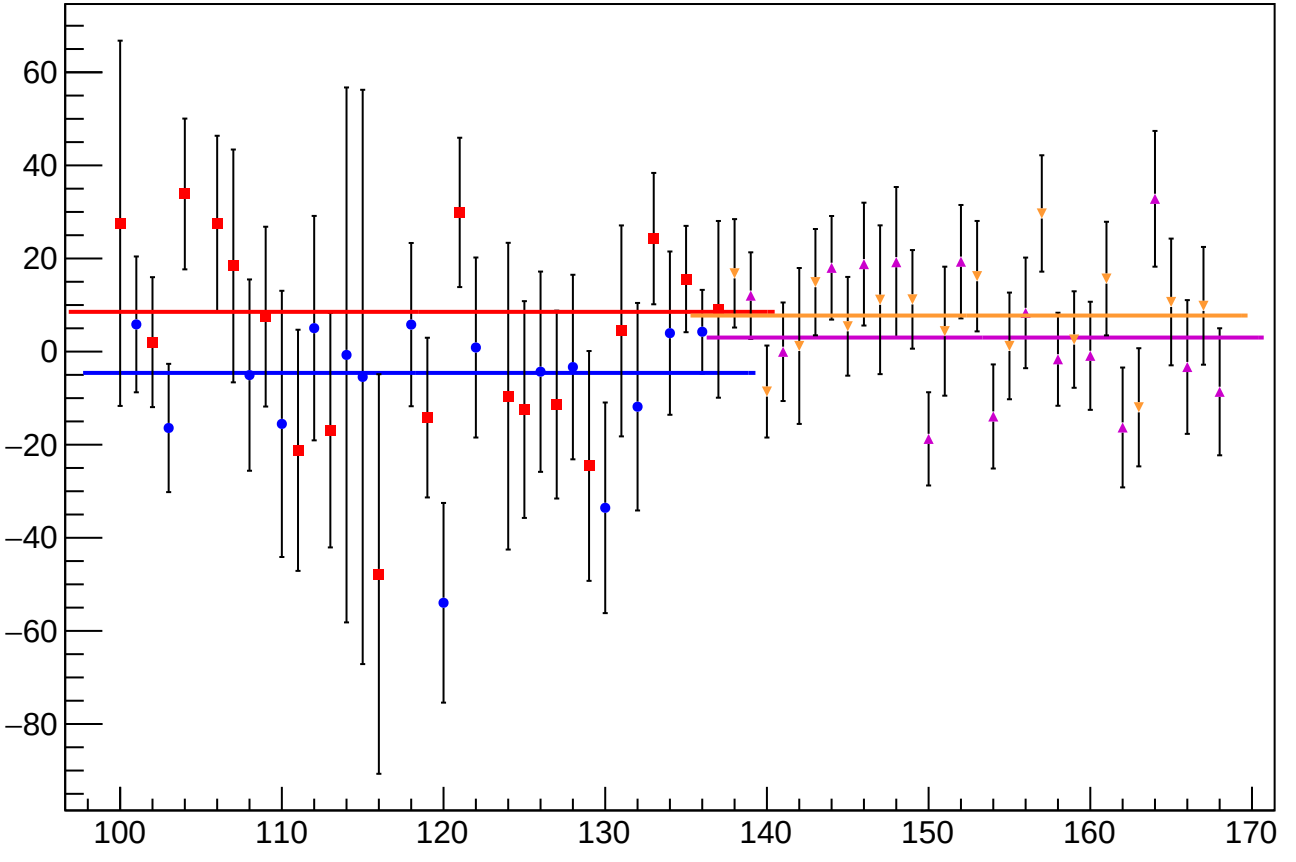
Left In: 7639.463+/-1.544 χ^2/NDF:238602.8/14

+ sign 8296.397+/-1.363 χ^2/NDF: 2362452.8/31

All: 8394.159+/-0.975 χ^2/NDF: 4890569.4/65

- sign 8496.582+/-1.395 χ^2/NDF: 2517583.6/33

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 7.745+/-3.005 χ^2/NDF:11.2/15

Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

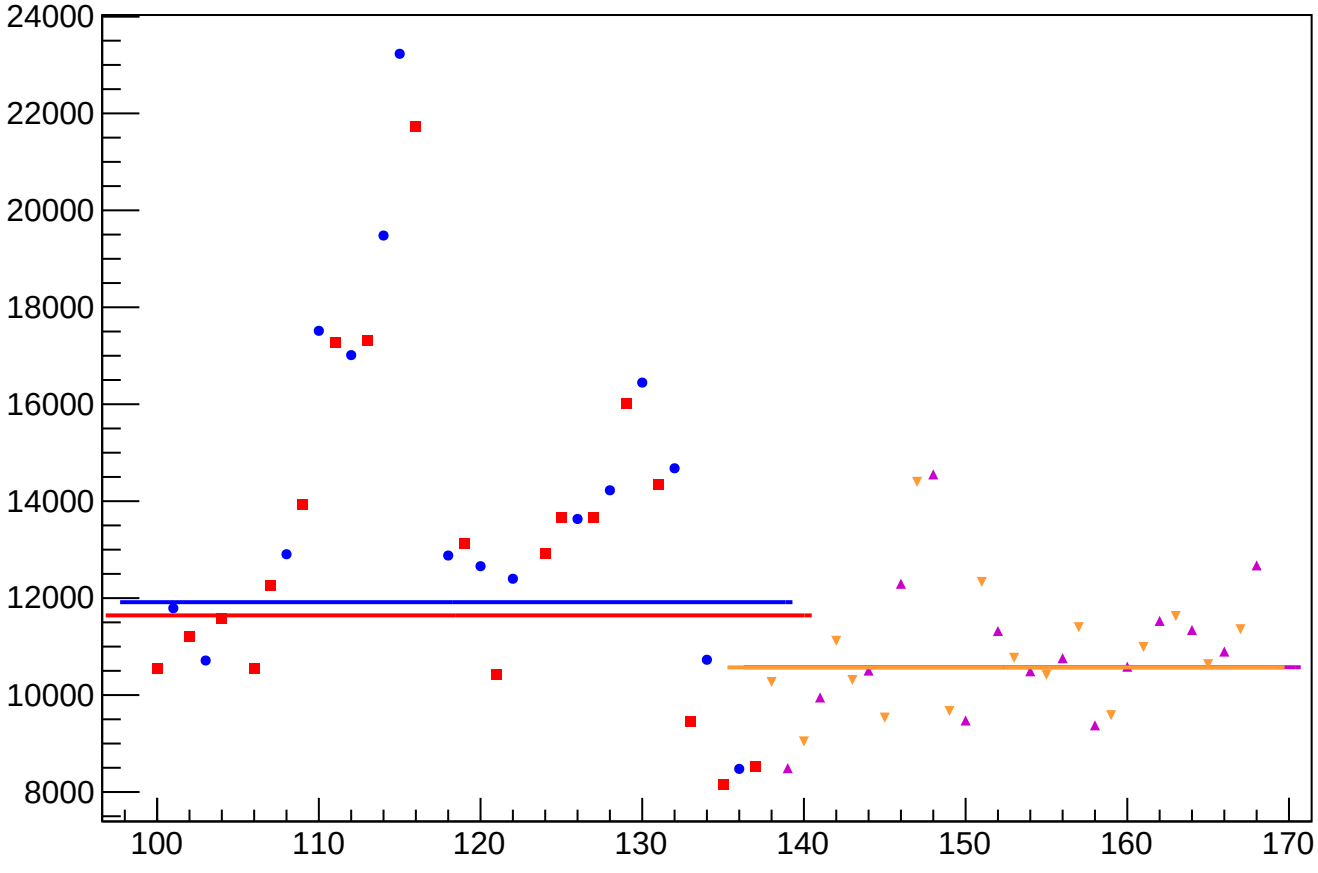
Left In: 3.017+/-3.038 χ^2/NDF:22.0/14

+ sign 4.008+/-2.508 χ^2/NDF: 26.6/31

All: 4.407+/-1.770 χ^2/NDF: 66.8/65

- sign 4.803+/-2.499 χ^2/NDF: 40.2/33

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10571.332+/-2.125 χ^2/NDF:284829.2/15

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

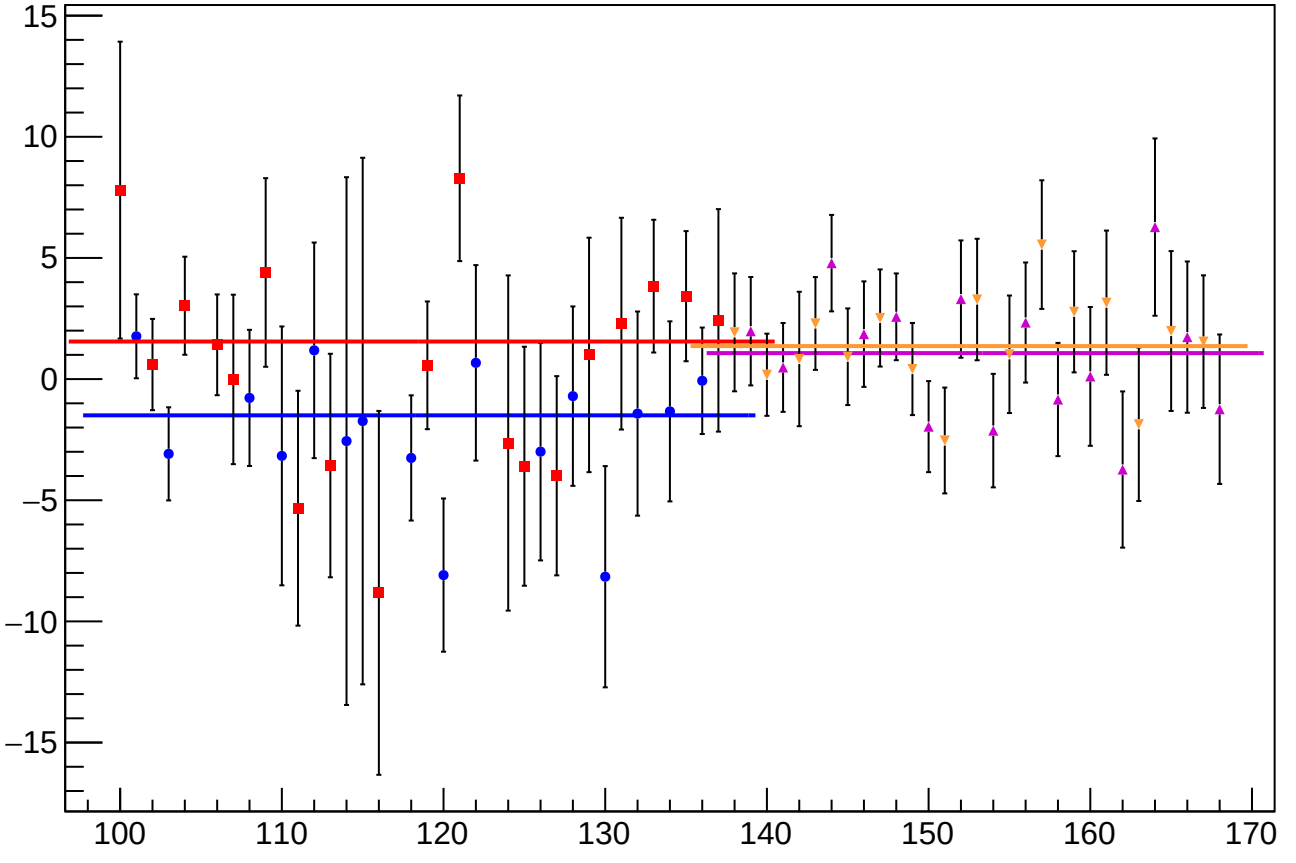
Left In: 10574.572+/-2.148 χ^2/NDF:388640.0/14

+ sign 10979.229+/-1.773 χ^2/NDF: 1156156.2/31

All: 10949.794+/-1.252 χ^2/NDF: 2415838.4/6

- sign 10920.571+/-1.767 χ^2/NDF: 1259133.2/33

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.362+/-0.580 χ^2/NDF:9.5/15

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

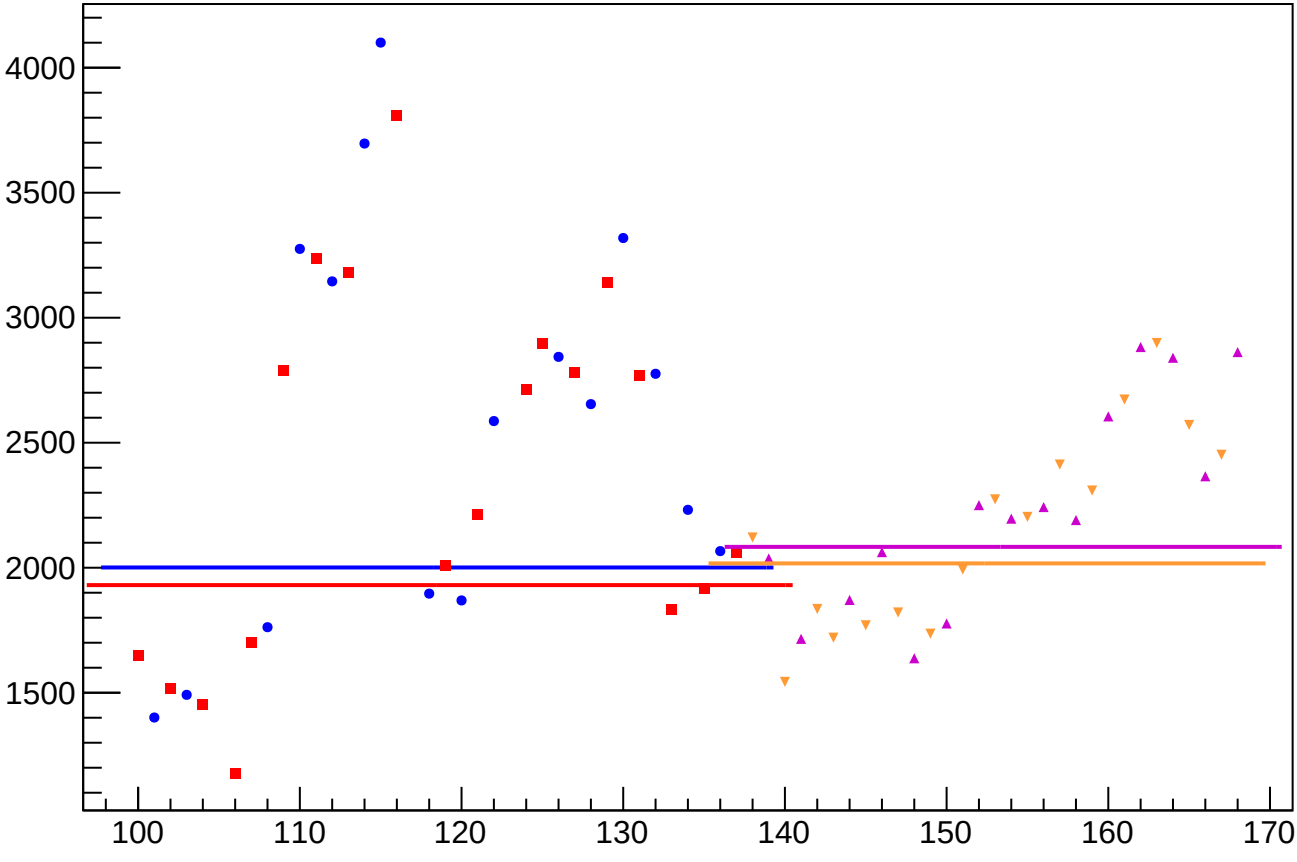
Left In: 1.073+/-0.602 χ^2/NDF:15.8/14

+ sign 0.342+/-0.465 χ^2/NDF: 30.7/31

All: 0.798+/-0.330 χ^2/NDF: 65.0/65

- sign 1.262+/-0.468 χ^2/NDF: 32.3/33

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2017.294+/-0.410 χ^2/NDF:773654.0/15

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

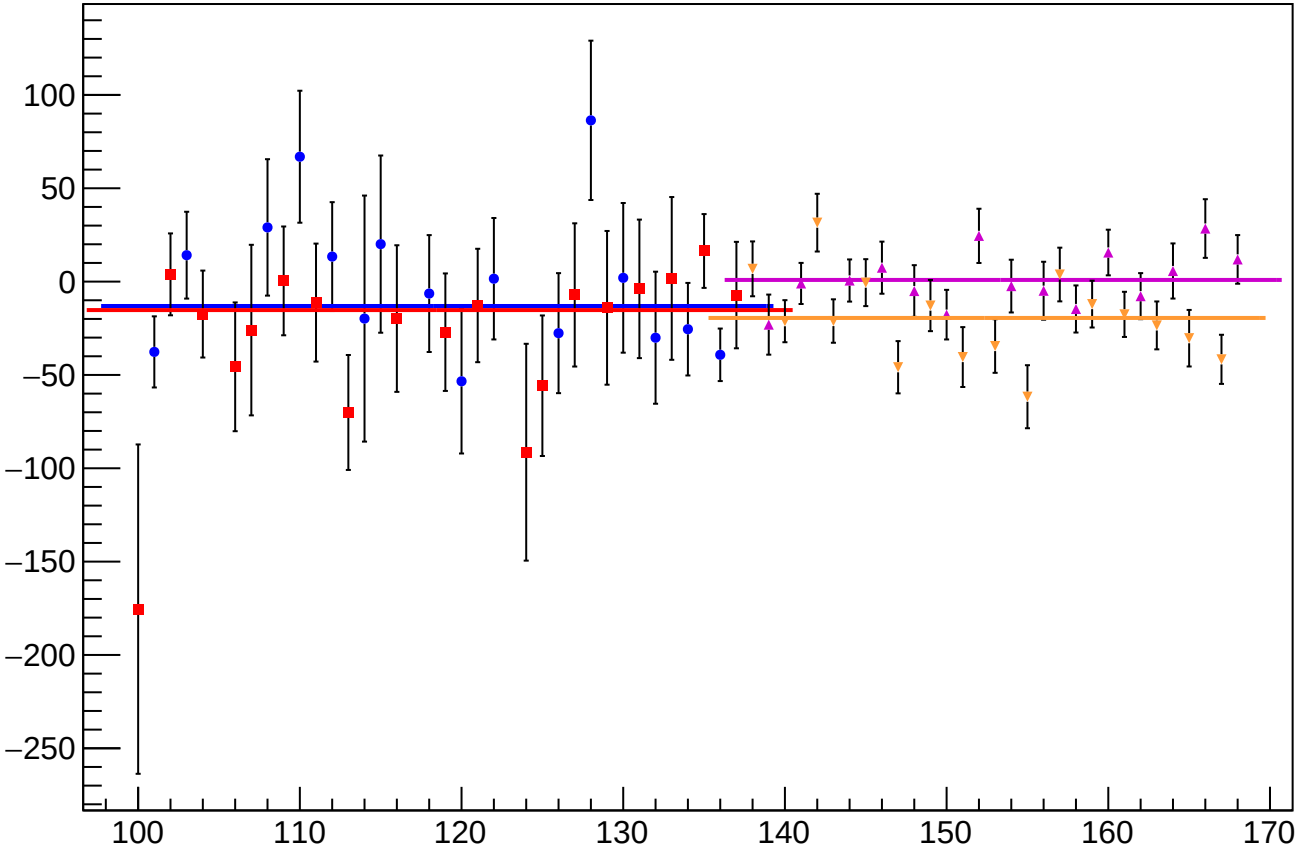
Left In: 2083.411+/-0.426 χ^2/NDF:726859.3/14

+ sign 2011.478+/-0.329 χ^2/NDF: 1964001.9/31

All: 2017.138+/-0.233 χ^2/NDF: 4146036.6/65

- sign 2022.880+/-0.331 χ^2/NDF: 2181437.7/33

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -19.469+/-3.384 χ^2/NDF:35.7/15

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

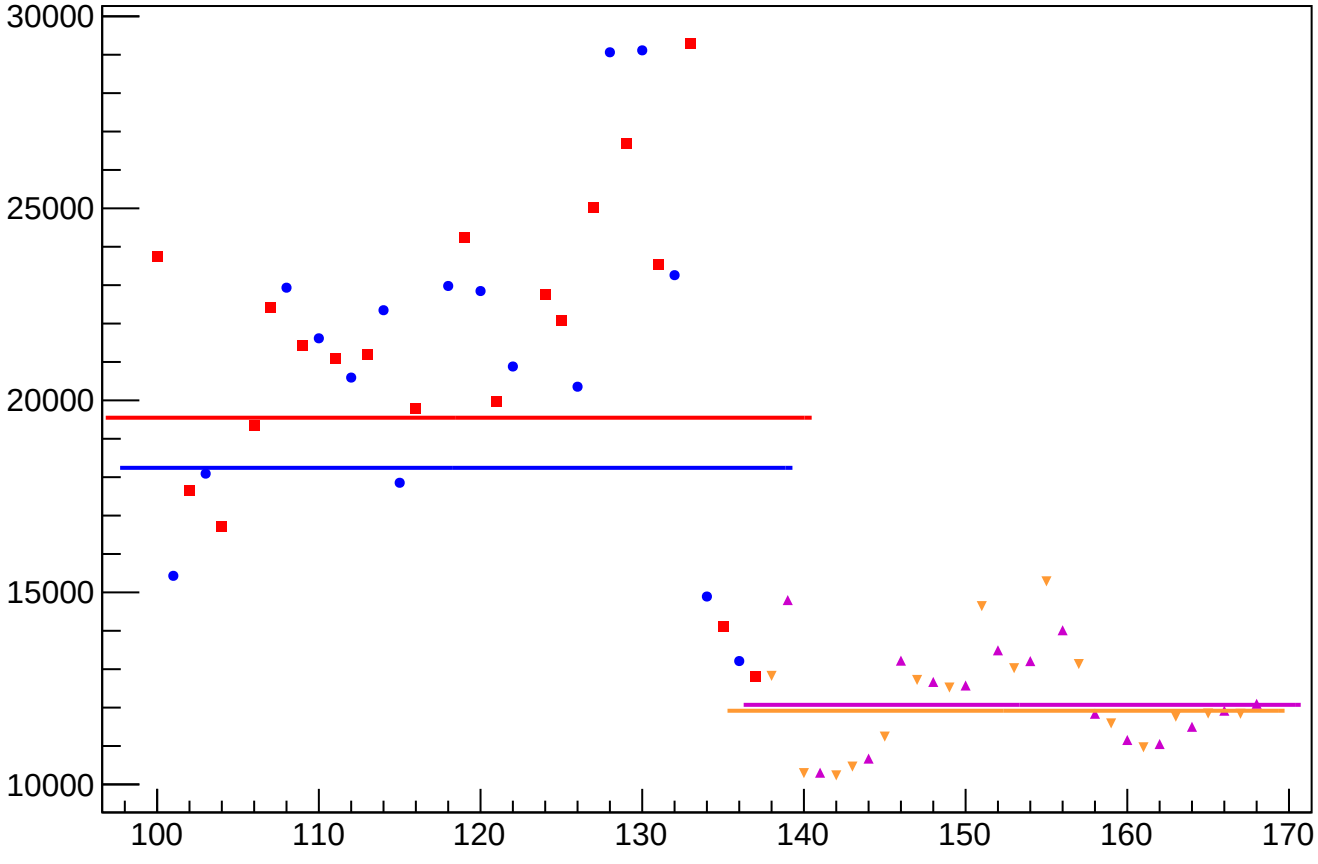
Left In: 0.895+/-3.451 χ^2/NDF:14.8/14

+ sign -18.264+/-3.049 χ^2/NDF: 58.2/31

All: -10.345+/-2.181 χ^2/NDF: 105.2/65

- sign -2.041+/-3.122 χ^2/NDF: 33.1/33

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11918.040+/-2.393 χ^2/NDF:298003.5/15

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

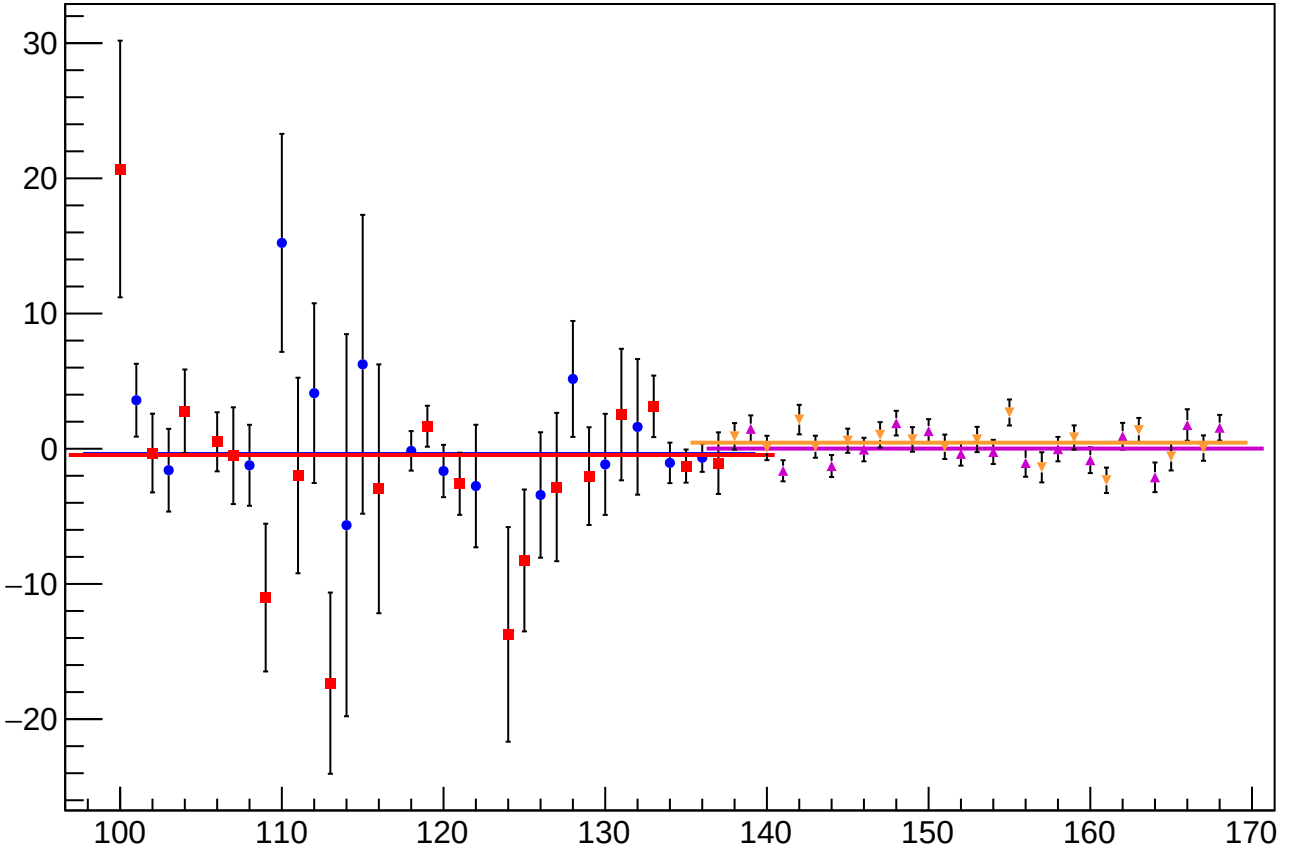
Left In: 12072.118+/-2.441 χ^2/NDF:252116.6/14

+ sign 13108.924+/-2.156 χ^2/NDF: 2433477.4/31

All: 13266.498+/-1.542 χ^2/NDF: 5024857.6/6

- sign 13431.718+/-2.207 χ^2/NDF: 2580435.9/33

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.449+/-0.235 χ^2/NDF:22.8/15

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

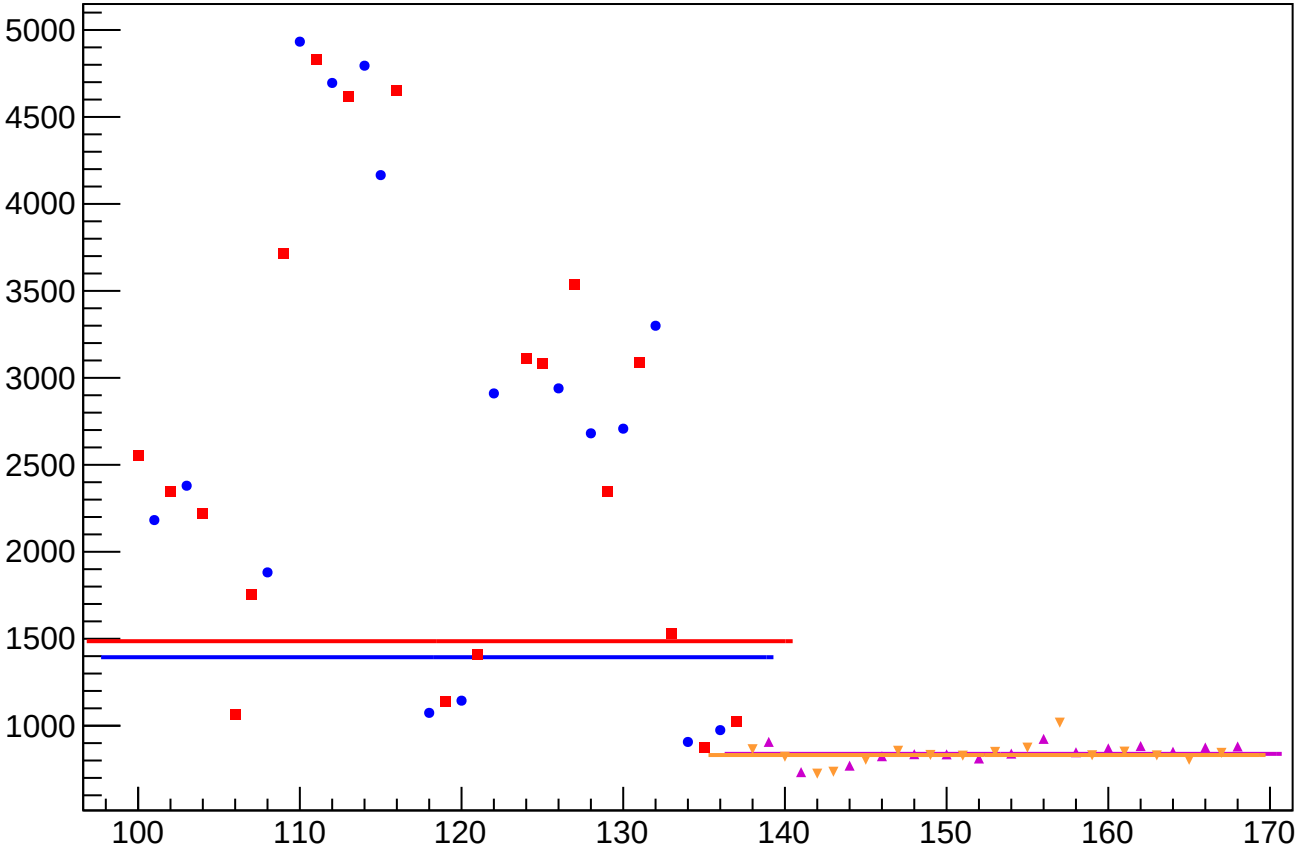
Left In: 0.011+/-0.239 χ^2/NDF:27.2/14

+ sign 0.337+/-0.219 χ^2/NDF: 35.0/31

All: 0.148+/-0.156 χ^2/NDF: 92.2/65

- sign -0.048+/-0.224 χ^2/NDF: 55.7/33

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 831.485+/-0.166 χ^2/NDF:115635.0/15

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

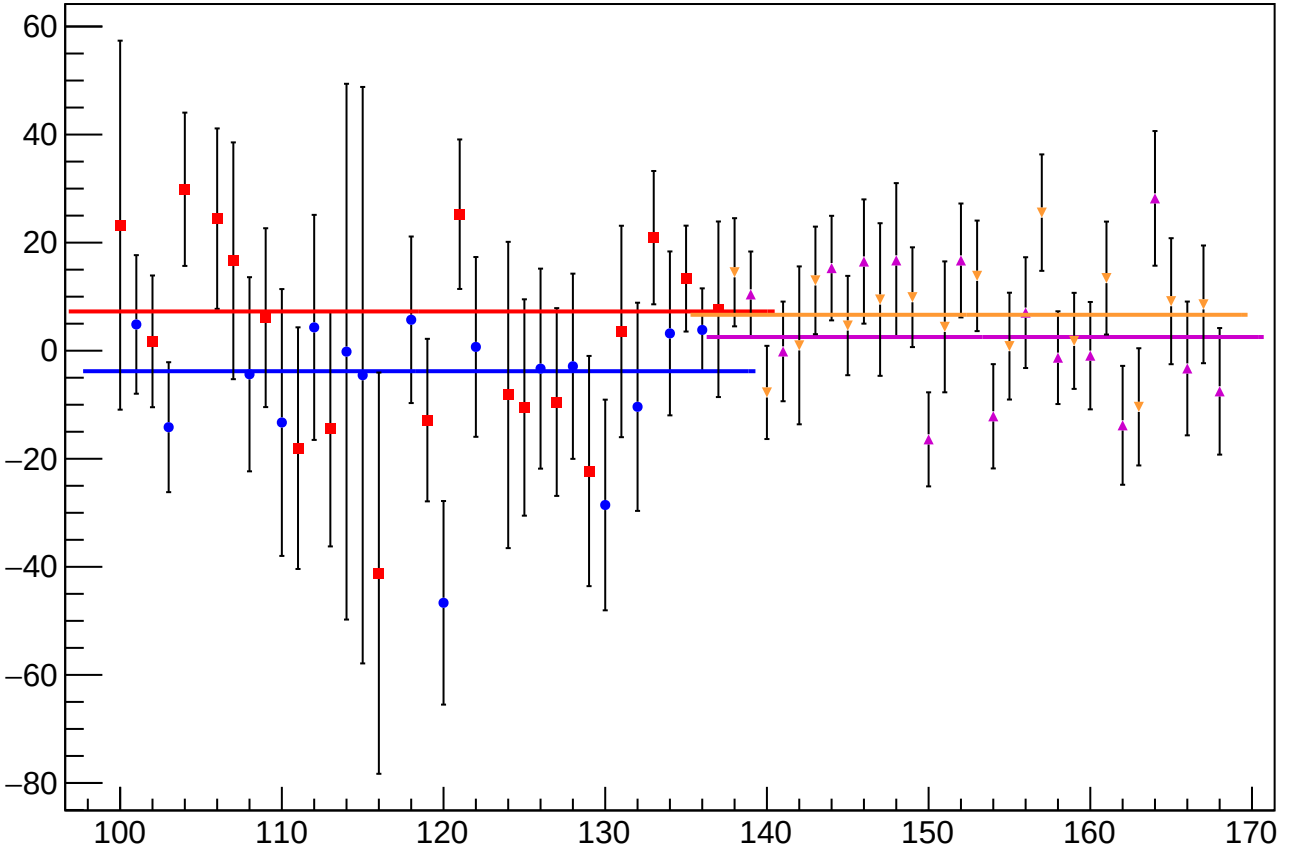
Left In: 838.231+/-0.169 χ^2/NDF:89025.1/14

+ sign 906.292+/-0.155 χ^2/NDF: 5019581.2/31

All: 912.421+/-0.111 χ^2/NDF: 10339255.6/65

- sign 918.816+/-0.158 χ^2/NDF: 5316469.7/33

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 6.647+/-2.599 χ^2/NDF:11.4/15

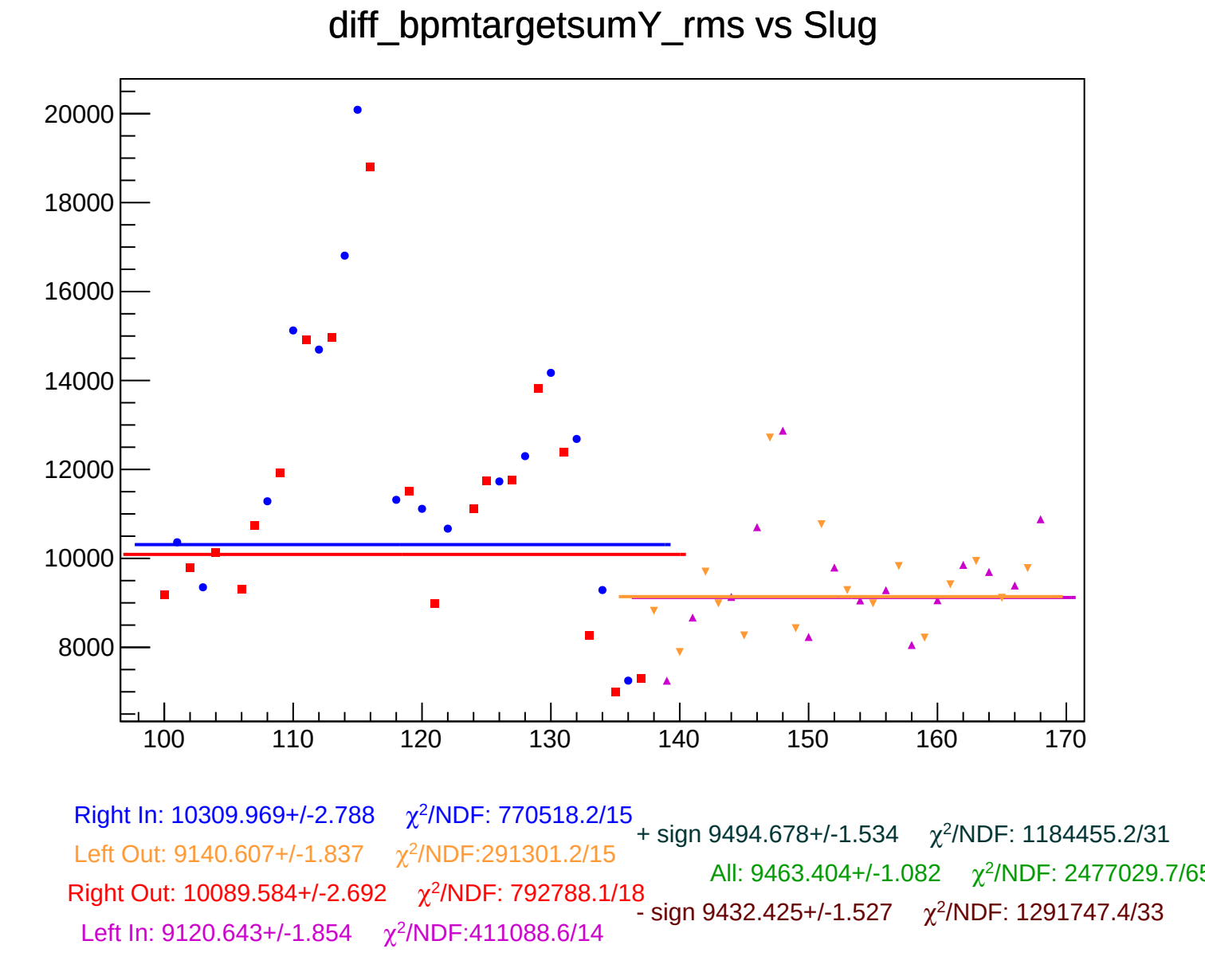
Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: 2.534+/-2.622 χ^2/NDF:22.0/14

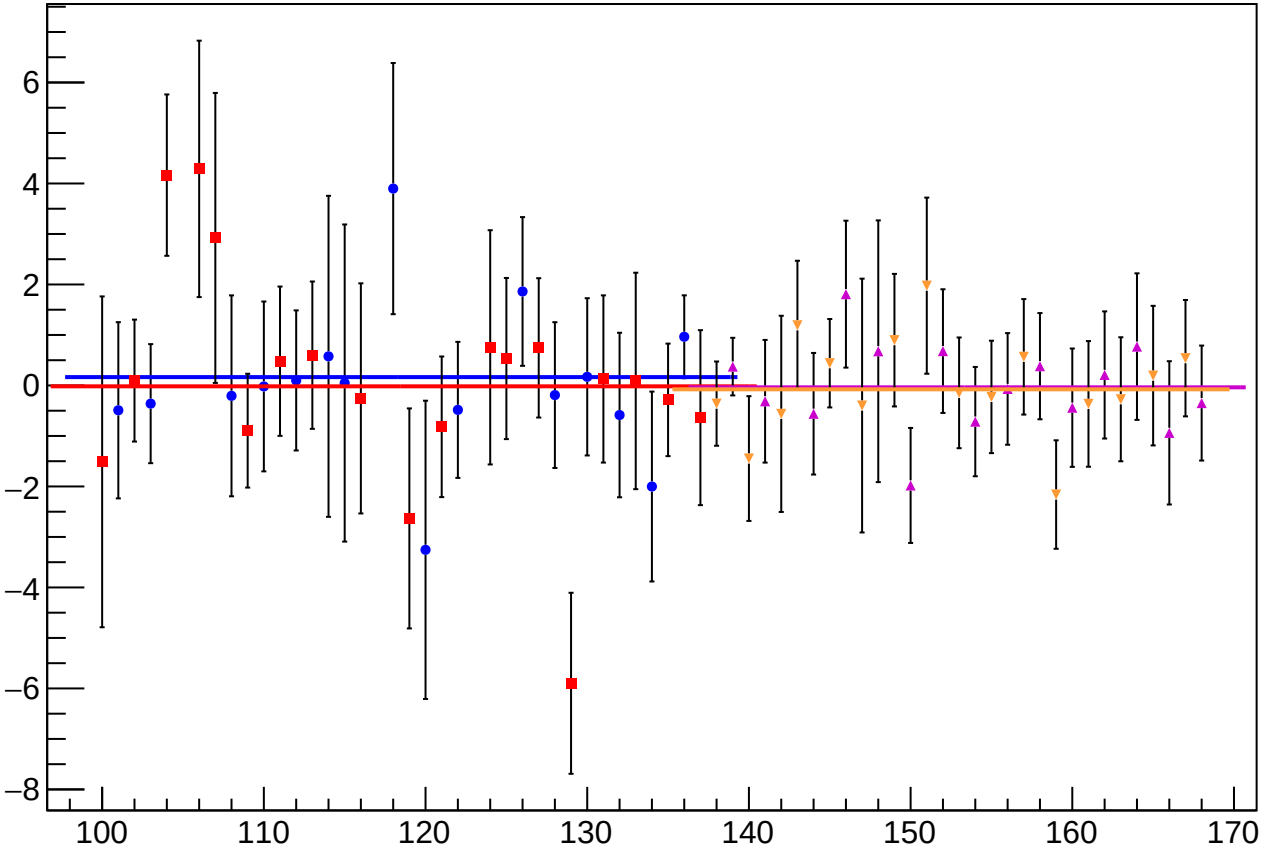
+ sign 3.485+/-2.170 χ^2/NDF: 26.3/31

All: 3.772+/-1.531 χ^2/NDF: 66.7/65

- sign 4.056+/-2.160 χ^2/NDF: 40.3/33


diff_bpmtargetsumY_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 9140.607+/-1.837 χ²/NDF:291301.2/15
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 9120.643+/-1.854 χ²/NDF:411088.6/14
+ sign 9494.678+/-1.534 χ²/NDF: 1184455.2/31
All: 9463.404+/-1.082 χ²/NDF: 2477029.7/65
- sign 9432.425+/-1.527 χ²/NDF: 1291747.4/33

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.076+/-0.299 χ^2/NDF:9.2/15

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

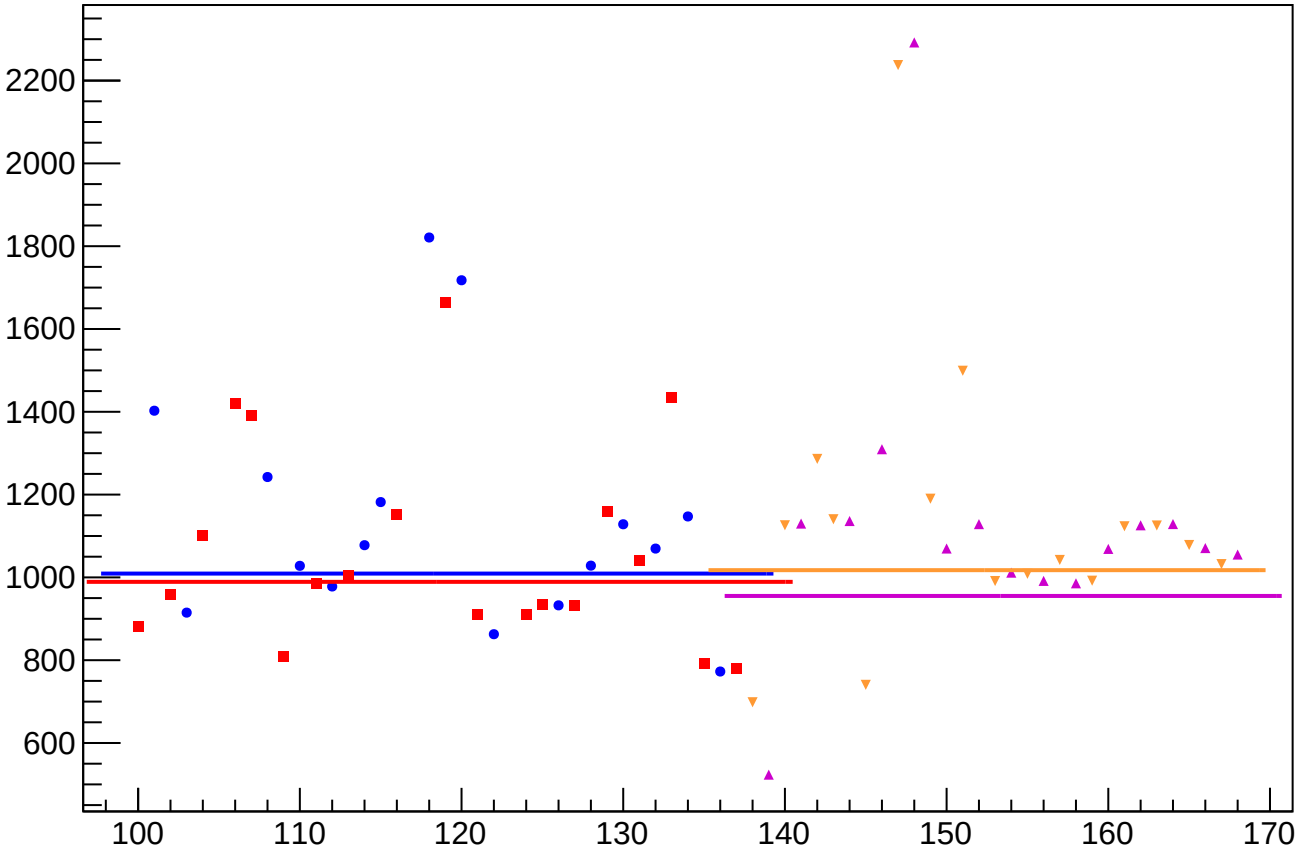
Left In: -0.037+/-0.287 χ^2/NDF:7.2/14

+ sign 0.014+/-0.236 χ^2/NDF: 17.6/31

All: -0.009+/-0.164 χ^2/NDF: 49.9/65

- sign -0.030+/-0.227 χ^2/NDF: 32.4/33

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1017.457+/-0.211 χ^2/NDF:1261023.5/15

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

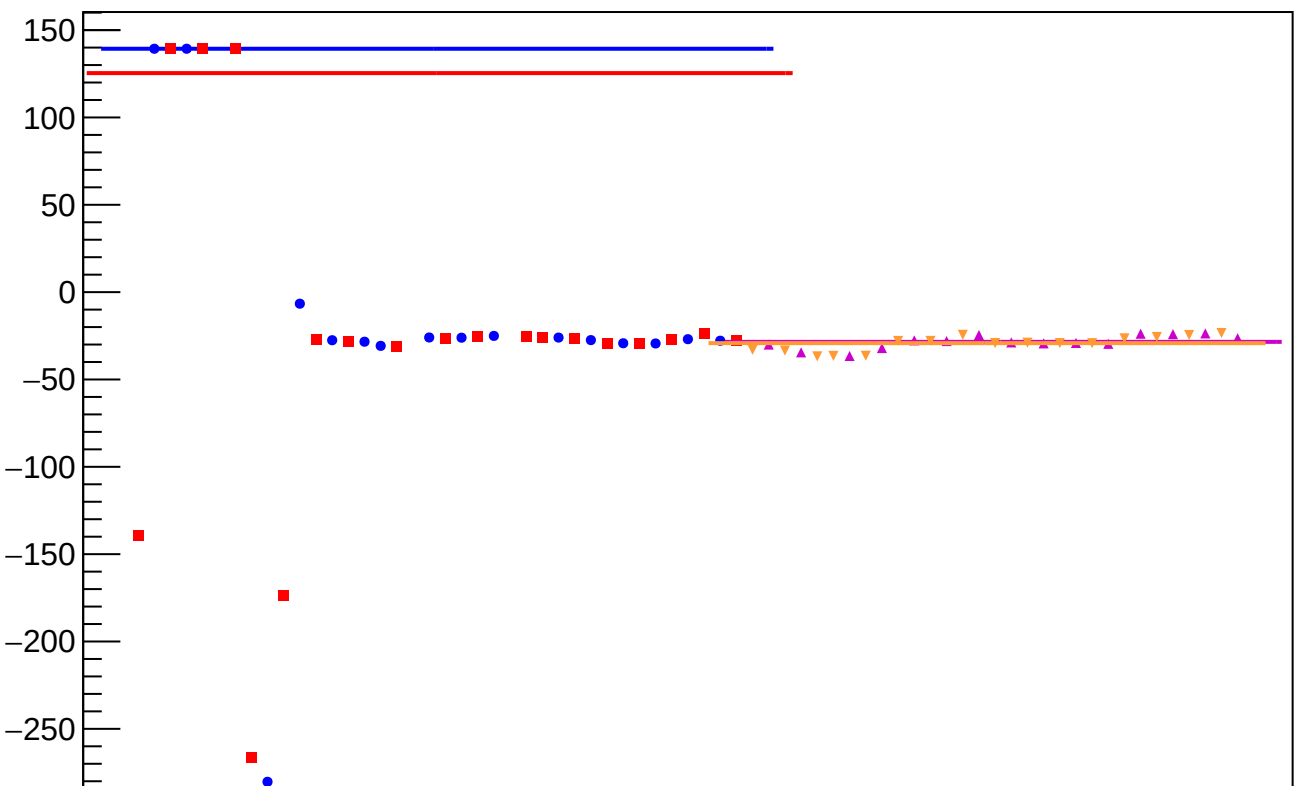
Left In: 955.182+/-0.203 χ^2/NDF:2065785.3/14

+ sign 1014.374+/-0.167 χ^2/NDF: 1960896.1/31

All: 990.181+/-0.116 χ^2/NDF: 4653242.6/65

- sign 967.857+/-0.161 χ^2/NDF: 2652062.1/33

yield_cav4bX_mean vs Slug



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -29.203+/-0.000 χ^2/NDF:132005012.4/15

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

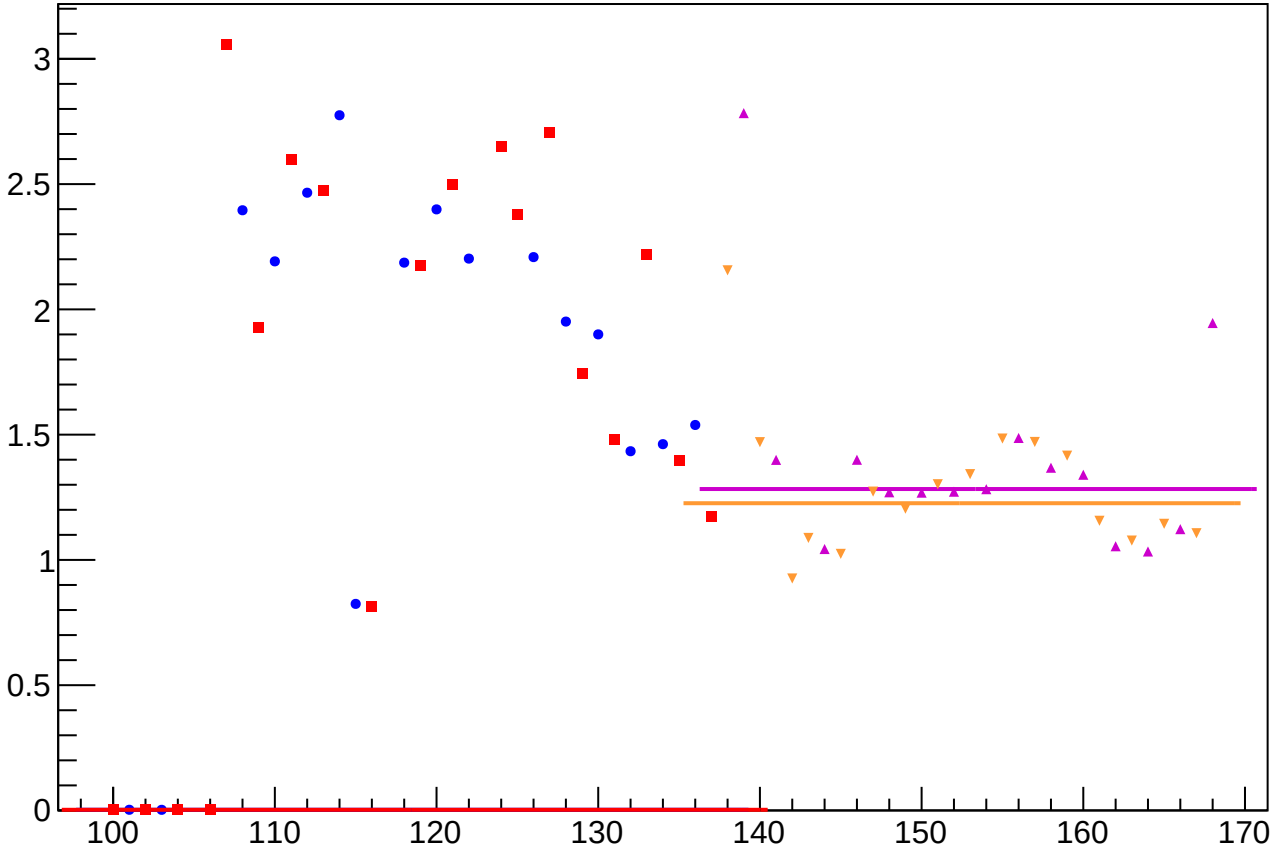
Left In: -28.460+/-0.000 χ^2/NDF:96384173.8/14

+ sign 139.331+/-0.000 χ^2/NDF: 235330851009.2/3

All: 131.813+/-0.000 χ^2/NDF: 79332962717

- sign 125.387+/-0.000 χ^2/NDF: 774313914000907

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.226+/-0.000 χ^2/NDF:580704.3/15

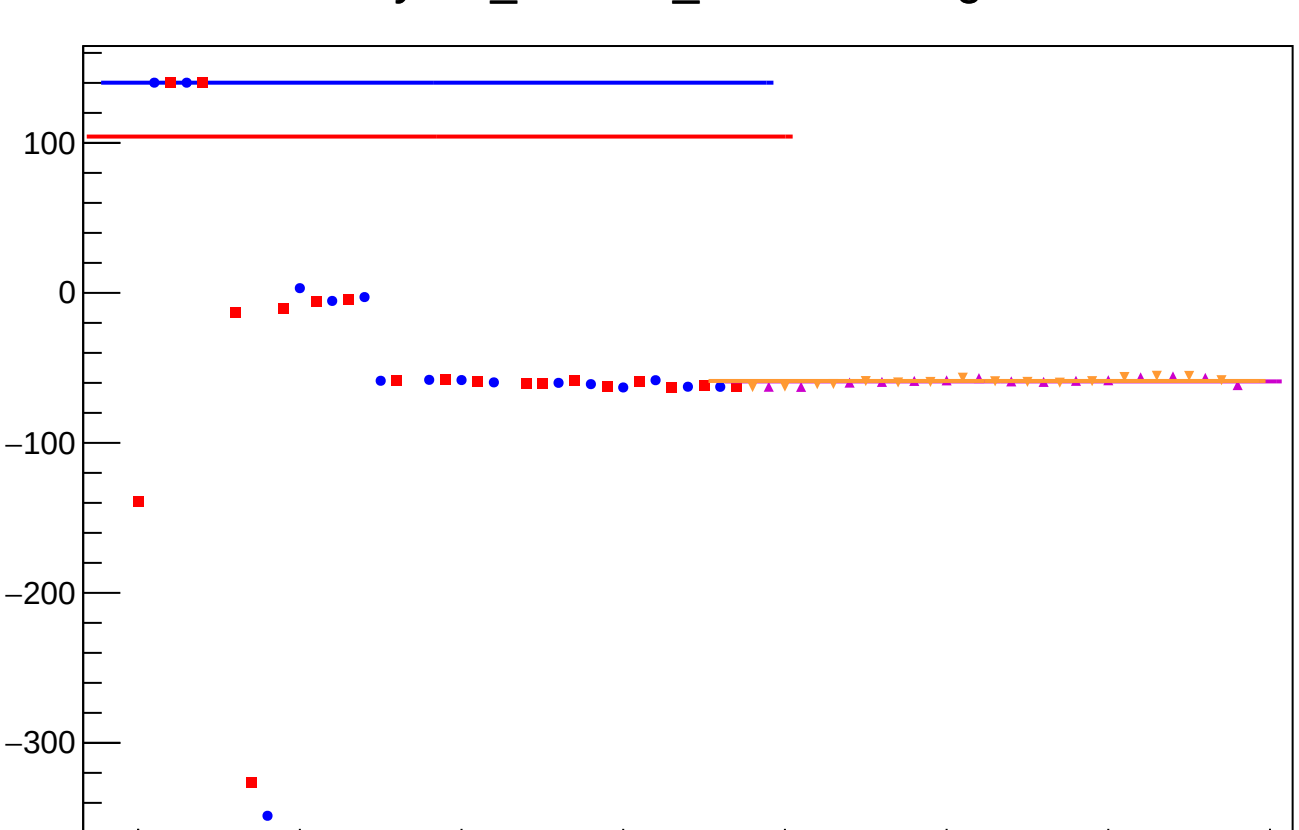
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.283+/-0.000 χ^2/NDF:907407.3/14

+ sign 0.003+/-0.000 χ^2/NDF: 29977634.7/31

All: 0.003+/-0.000 χ^2/NDF: 60106635.9/65

- sign 0.003+/-0.000 χ^2/NDF: 30128696.1/33



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -58.713+/-0.000 χ^2/NDF:122643206.1/15

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

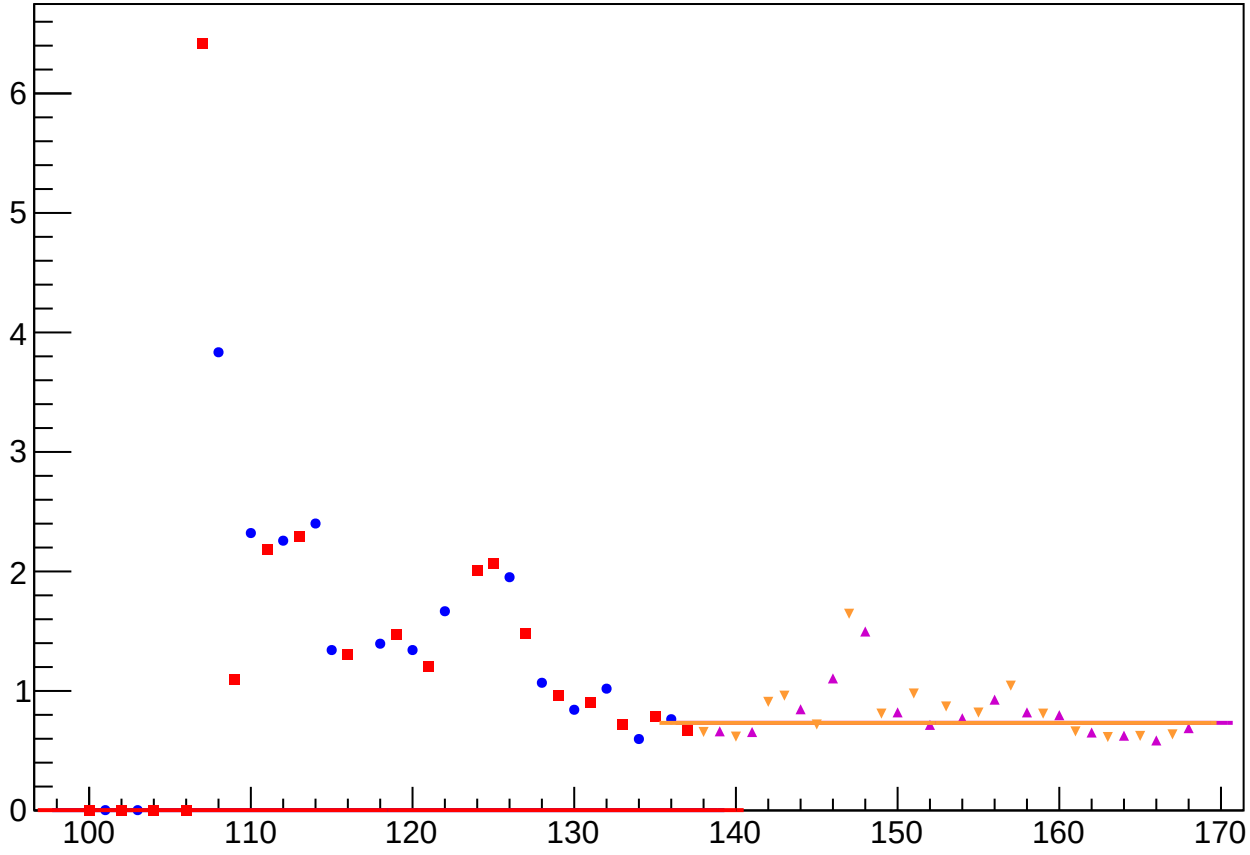
Left In: -59.018+/-0.000 χ^2/NDF:108197256.0/14

+ sign 140.123+/-0.000 χ^2/NDF: 911611184311.0/3

All: 120.814+/-0.000 χ^2/NDF: 13820761380

- sign 104.210+/-0.000 χ^2/NDF: 125788803859044

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.733+/-0.000 χ^2/NDF:1010801.7/15

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

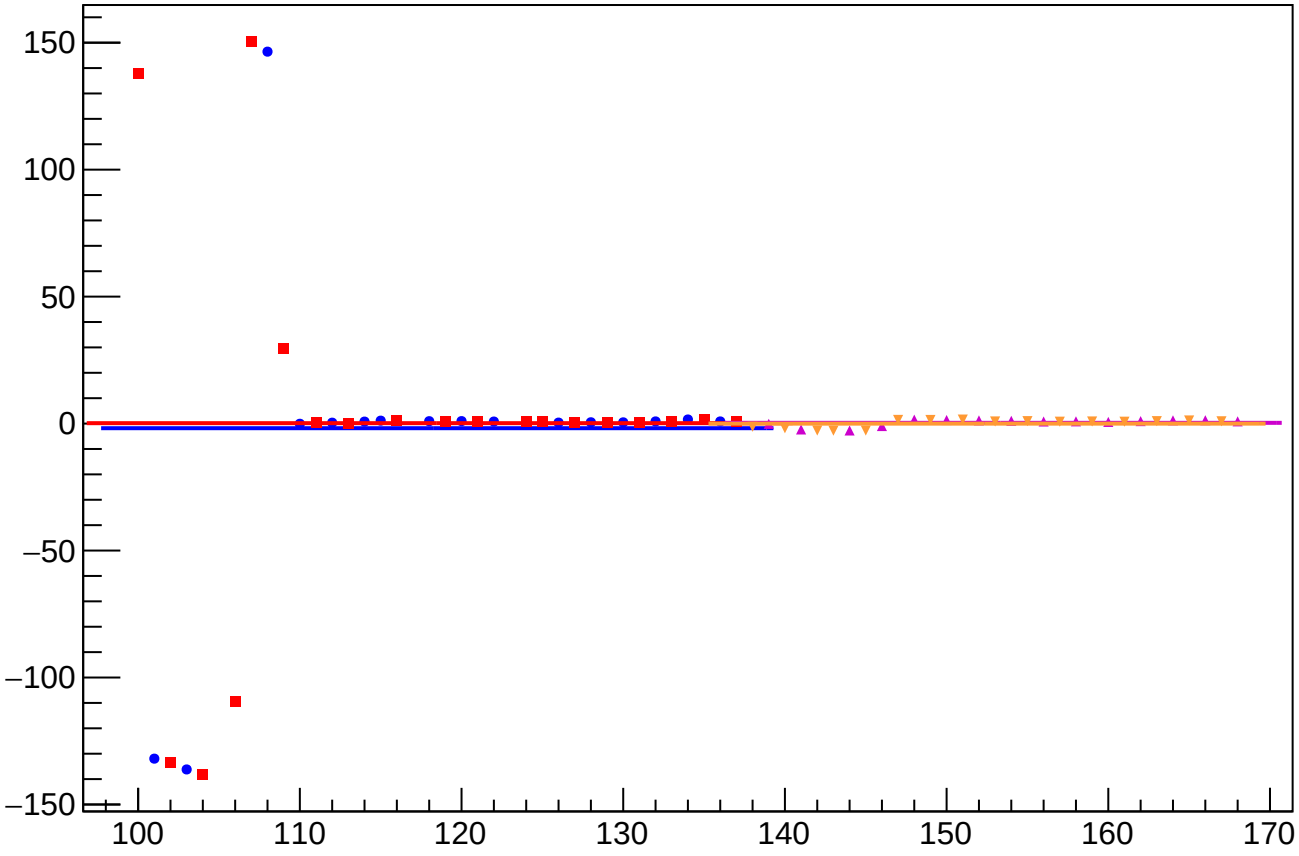
Left In: 0.733+/-0.000 χ^2/NDF:803850.2/14

+ sign 0.003+/-0.000 χ^2/NDF: 31105197.5/31

All: 0.003+/-0.000 χ^2/NDF: 61641959.2/65

- sign 0.003+/-0.000 χ^2/NDF: 30536397.8/33

yield_cav4cX_mean vs Slug



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.015+/-0.000 χ^2/NDF:97222929.7/15

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

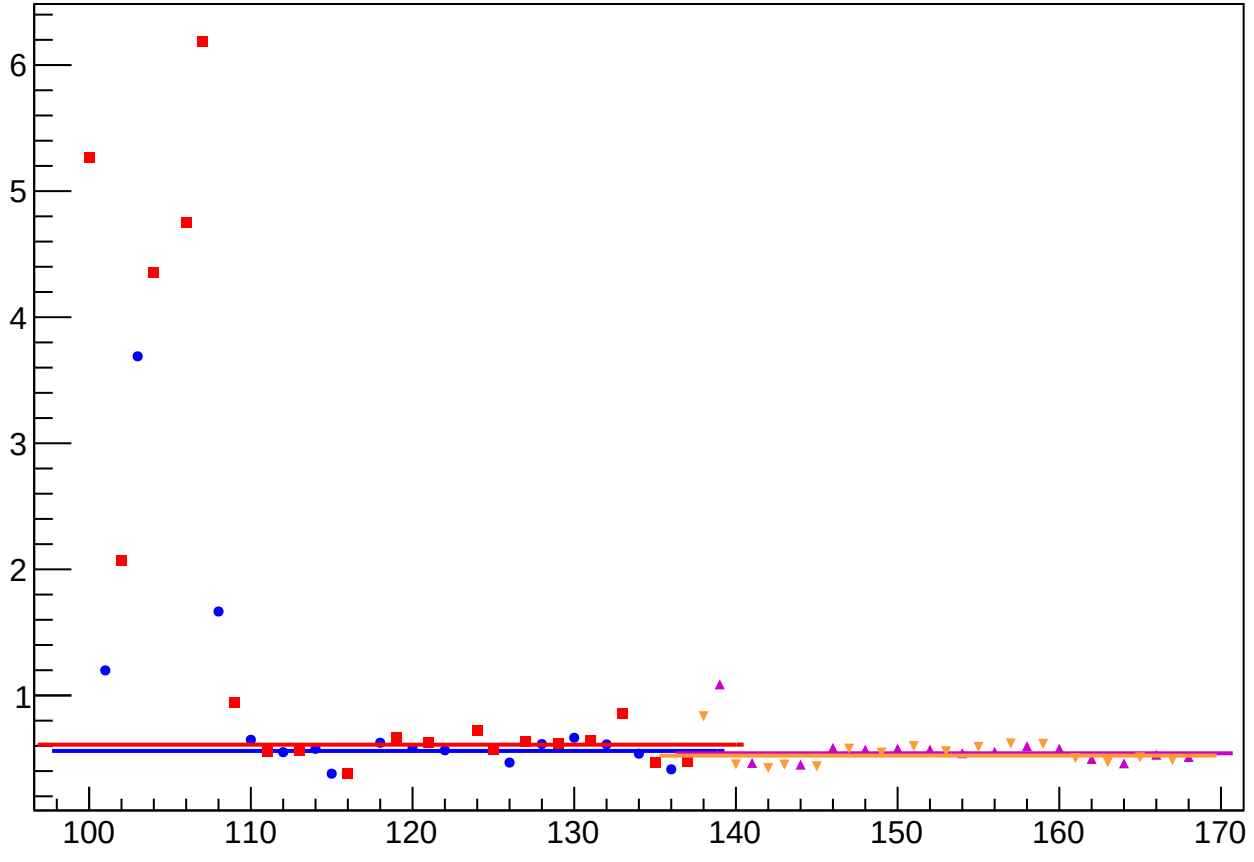
Left In: 0.296+/-0.000 χ^2/NDF:69287695.6/14

+ sign -0.569+/-0.000 χ^2/NDF: 10020708180.6/31

All: -0.177+/-0.000 χ^2/NDF: 13718460019.8/

- sign 0.259+/-0.000 χ^2/NDF: 3680698814.8/33

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.523+/-0.000 χ^2/NDF:474185.2/15

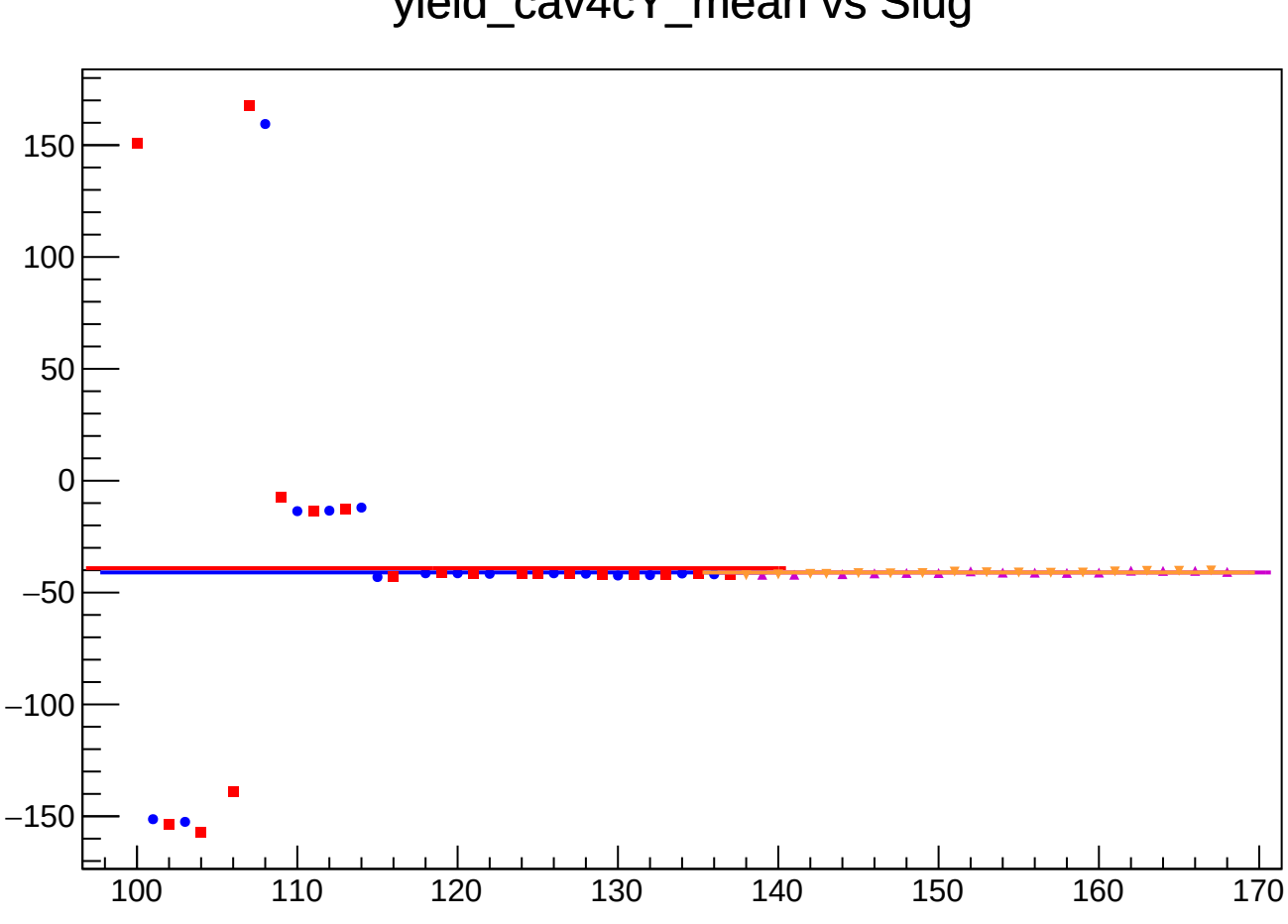
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.541+/-0.000 χ^2/NDF:596288.8/14

+ sign 0.534+/-0.000 χ^2/NDF: 2103209.7/31

All: 0.547+/-0.000 χ^2/NDF: 5299016.5/65

- sign 0.561+/-0.000 χ^2/NDF: 3161349.0/33



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.013+/-0.000 χ^2/NDF:30326644.6/15

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

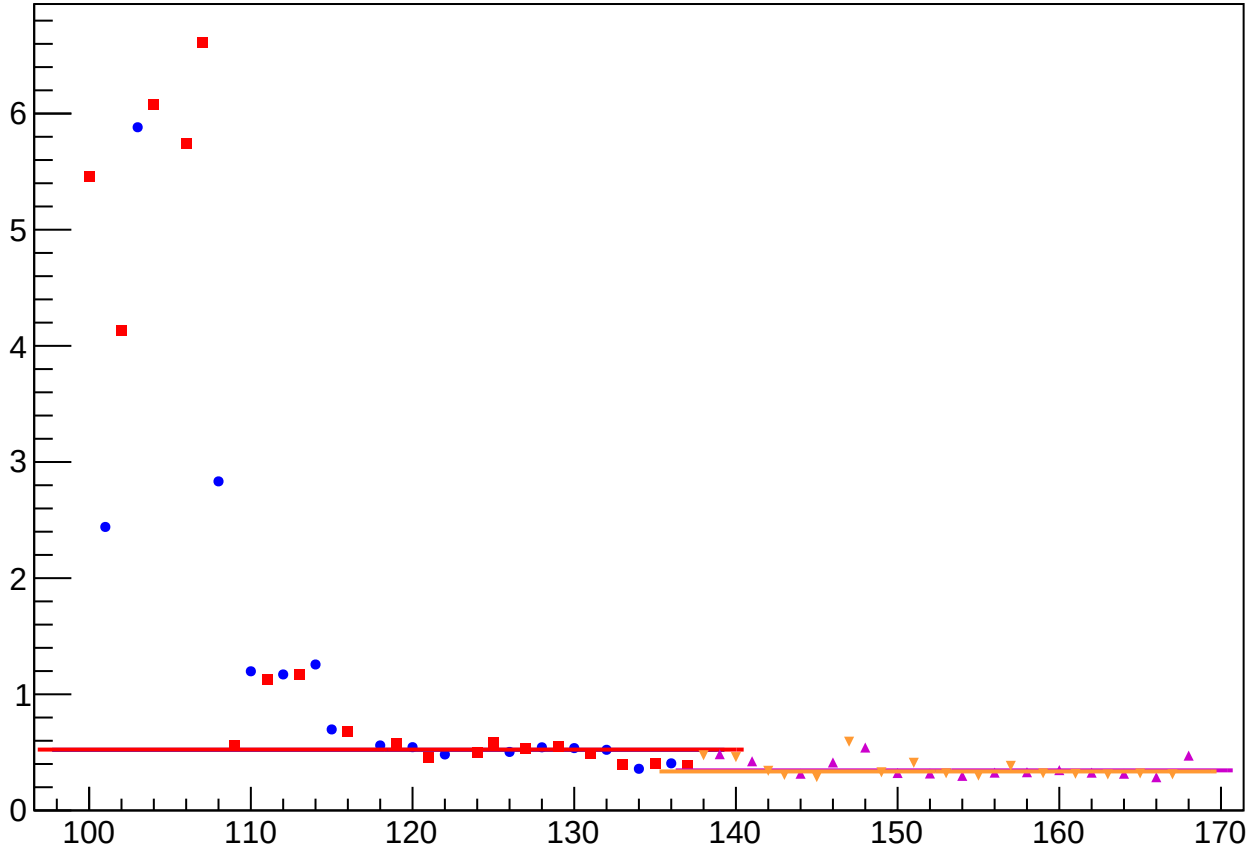
Left In: -41.016+/-0.000 χ^2/NDF:27407096.8/14

+ sign -41.009+/-0.000 χ^2/NDF: 3479958973.3/31

All: -40.866+/-0.000 χ^2/NDF: 6047909678.3/

- sign -40.714+/-0.000 χ^2/NDF: 2562841735.6/33

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.336+/-0.000 χ^2/NDF:720618.1/15

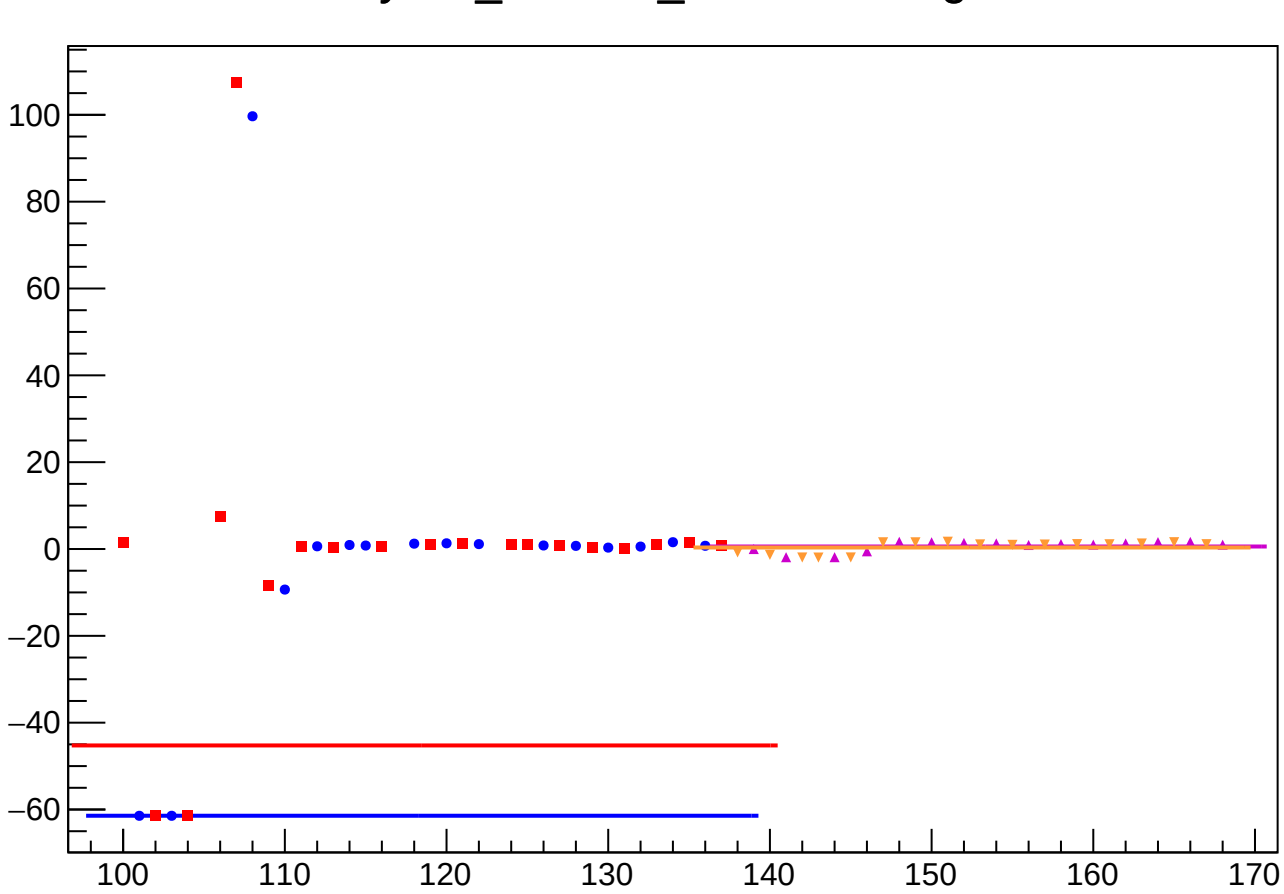
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.345+/-0.000 χ^2/NDF:693206.3/14

+ sign 0.364+/-0.000 χ^2/NDF: 4754365.8/31

All: 0.369+/-0.000 χ^2/NDF: 9686019.2/65

- sign 0.373+/-0.000 χ^2/NDF: 4921508.5/33



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.348+/-0.000 χ^2/NDF:100142067.0/15

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

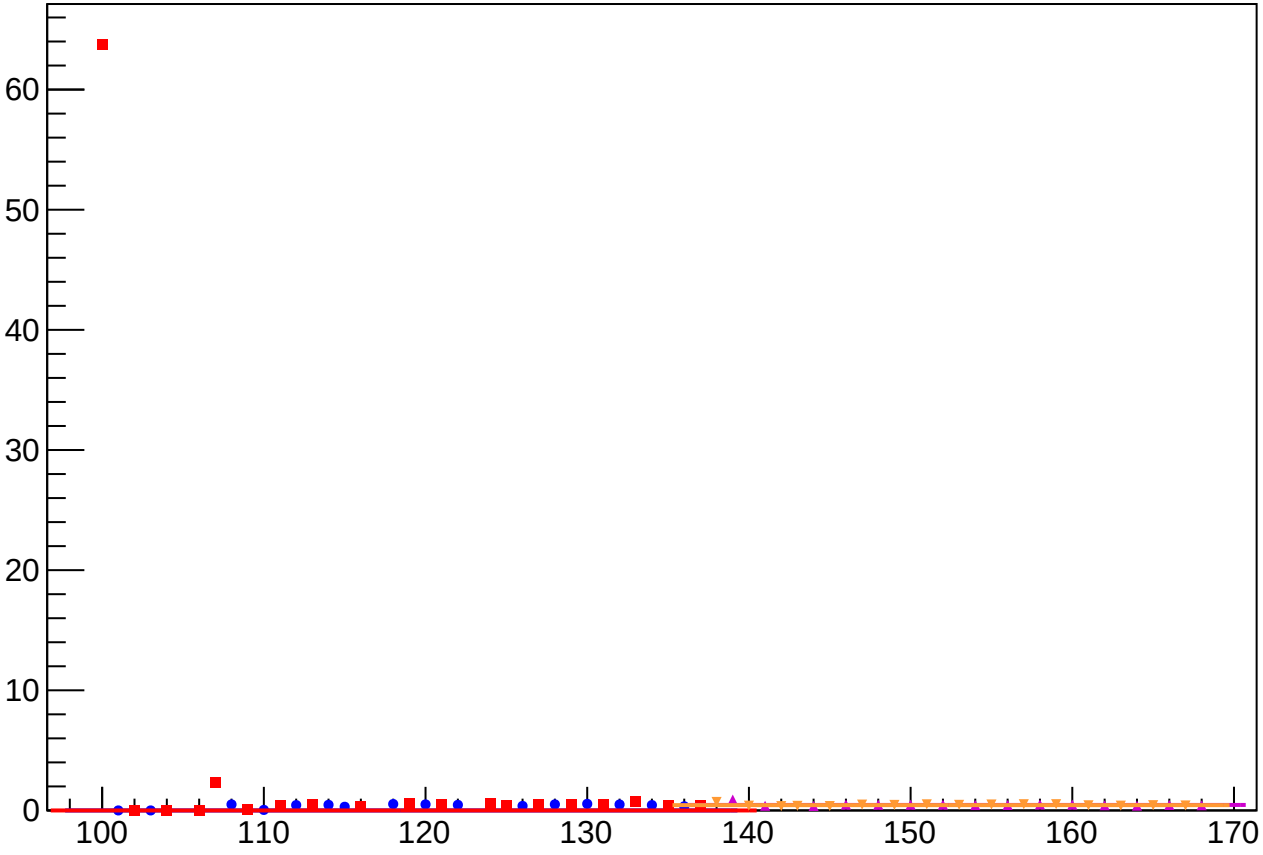
Left In: 0.577+/-0.000 χ^2/NDF:76602568.5/14

+ sign -61.427+/-0.000 χ^2/NDF: 467923845082.2/3

All: -52.742+/-0.000 χ^2/NDF: 409399975590

- sign -45.240+/-0.000 χ^2/NDF: 357969608585543.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.443+/-0.000 χ^2/NDF:460891.9/15

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

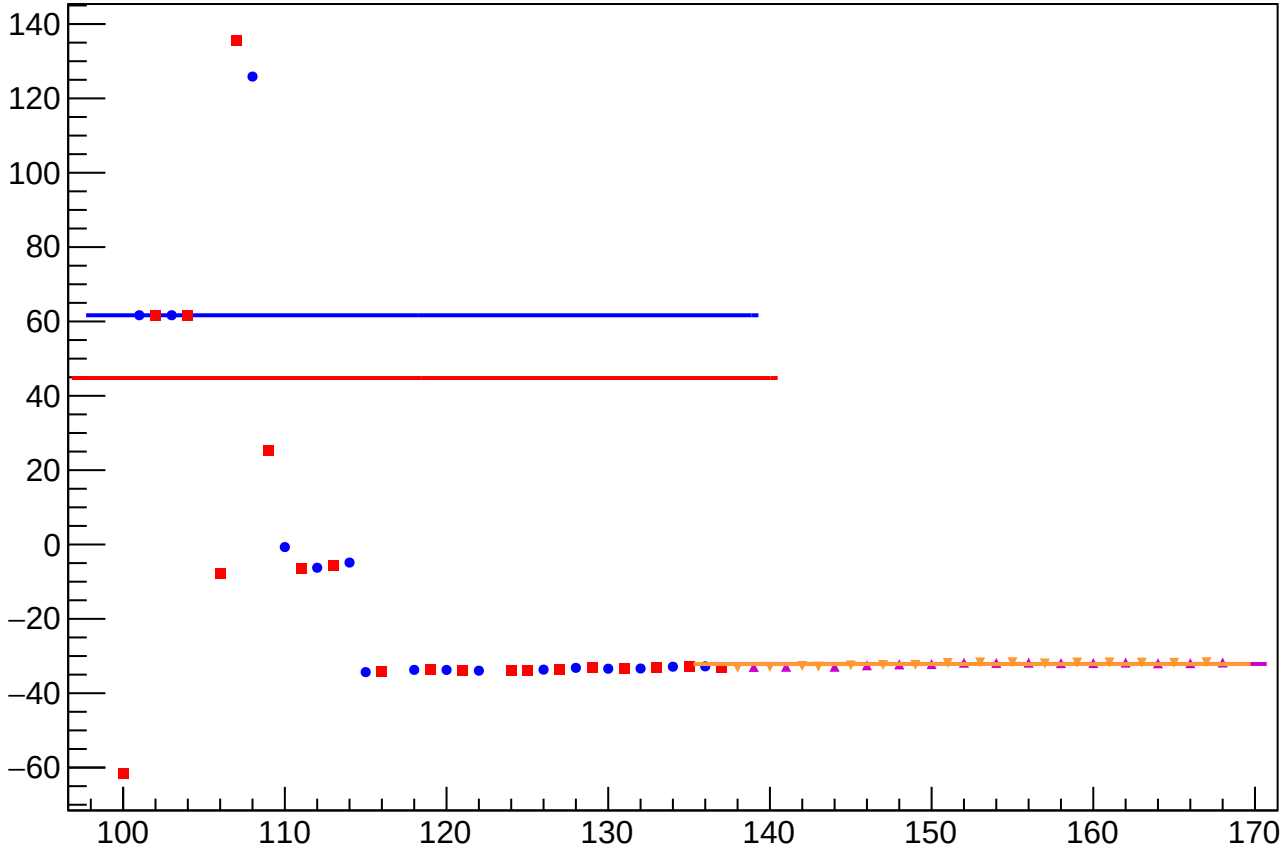
Left In: 0.459+/-0.000 χ^2/NDF:569361.2/14

+ sign 0.002+/-0.000 χ^2/NDF: 29449682.7/31

All: 0.002+/-0.000 χ^2/NDF: 59128851.1/65

- sign 0.002+/-0.000 χ^2/NDF: 29679103.8/33

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.163+/-0.000 χ^2/NDF:32978783.0/15

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

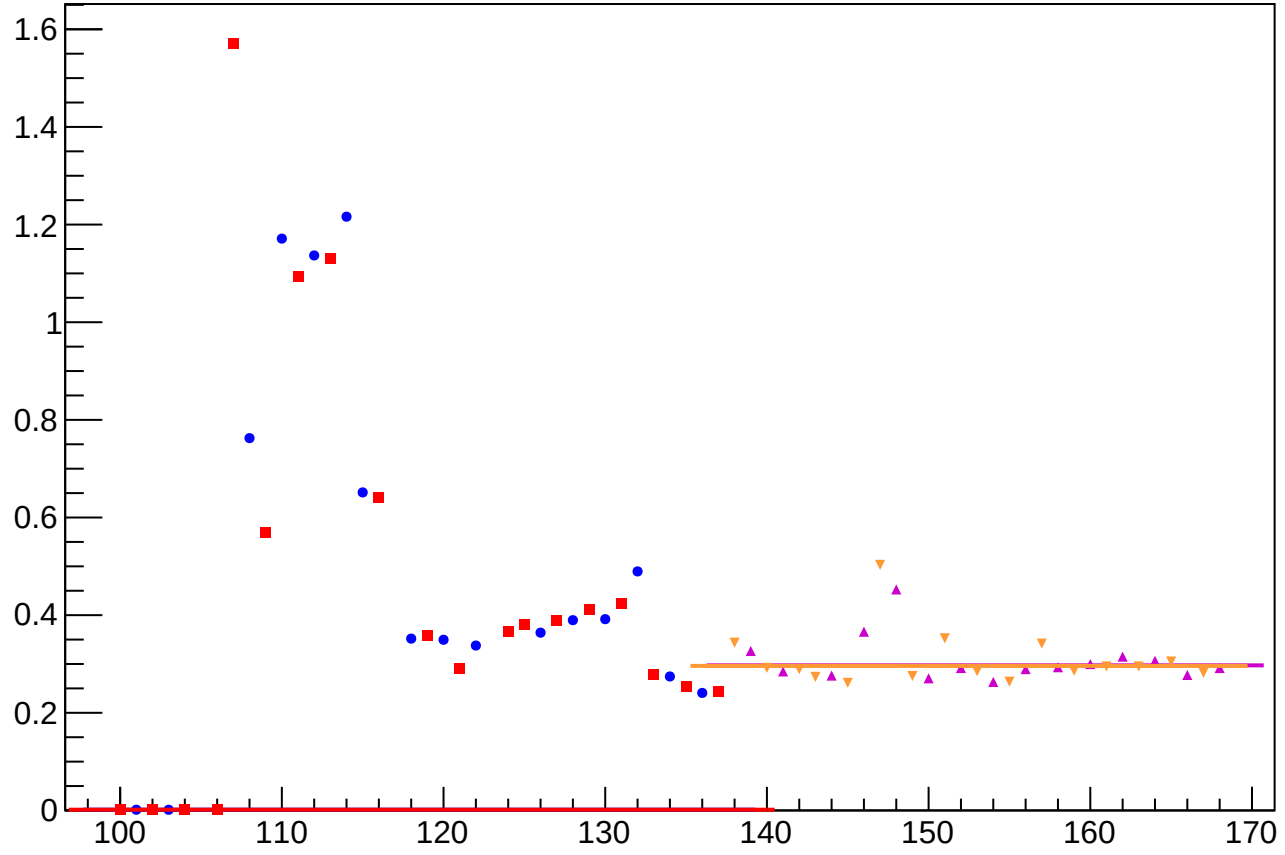
Left In: -32.131+/-0.000 χ^2/NDF:25250877.8/14

+ sign 61.624+/-0.000 χ^2/NDF: 1564947431121.3/3

All: 52.657+/-0.000 χ^2/NDF: 419501611348

- sign 44.759+/-0.000 χ^2/NDF: 366880744085596.8

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.296+/-0.000 χ^2/NDF:448400.4/15

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

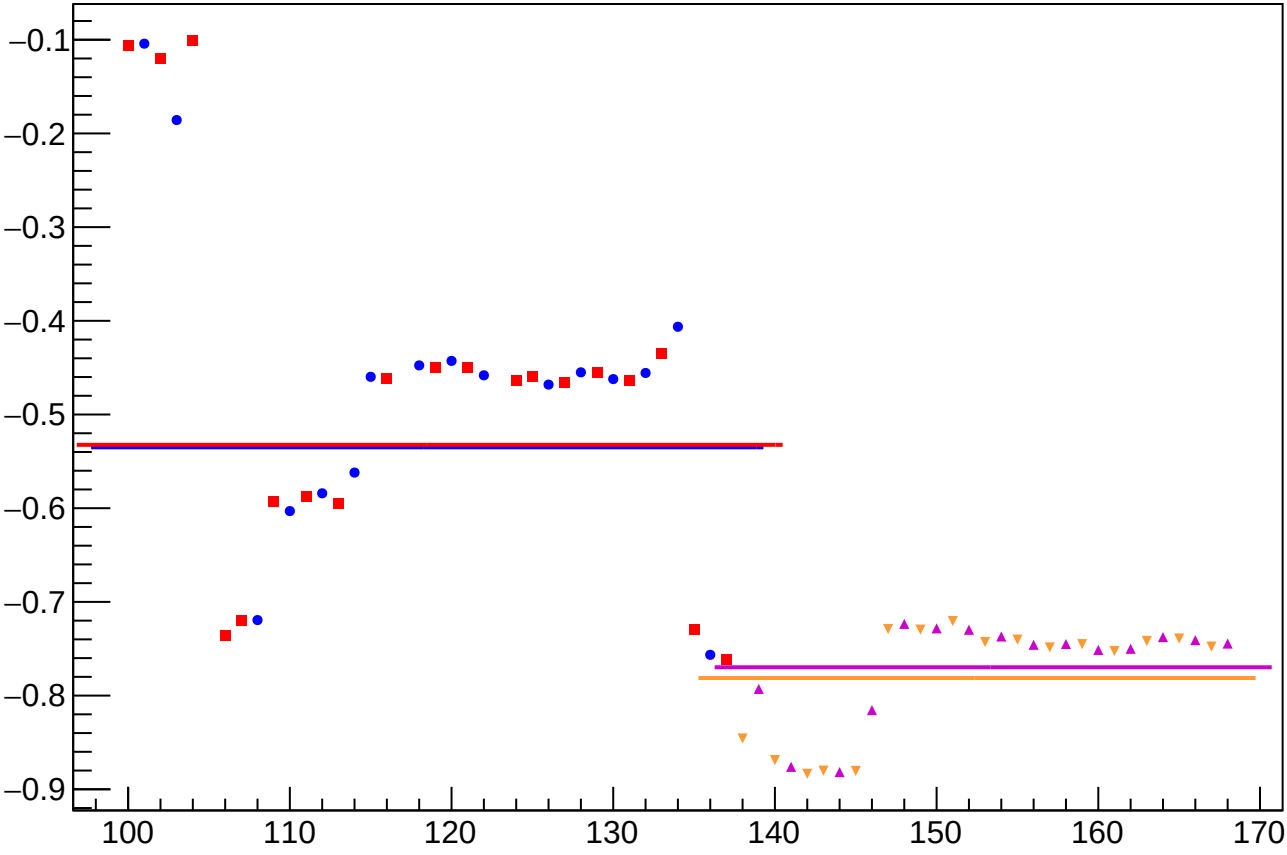
Left In: 0.297+/-0.000 χ^2/NDF:331041.6/14

+ sign 0.002+/-0.000 χ^2/NDF: 35037621.7/31

All: 0.002+/-0.000 χ^2/NDF: 69153144.8/65

- sign 0.002+/-0.000 χ^2/NDF: 34115520.2/33

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.781+/-0.000 χ^2/NDF:107351376.0/15

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

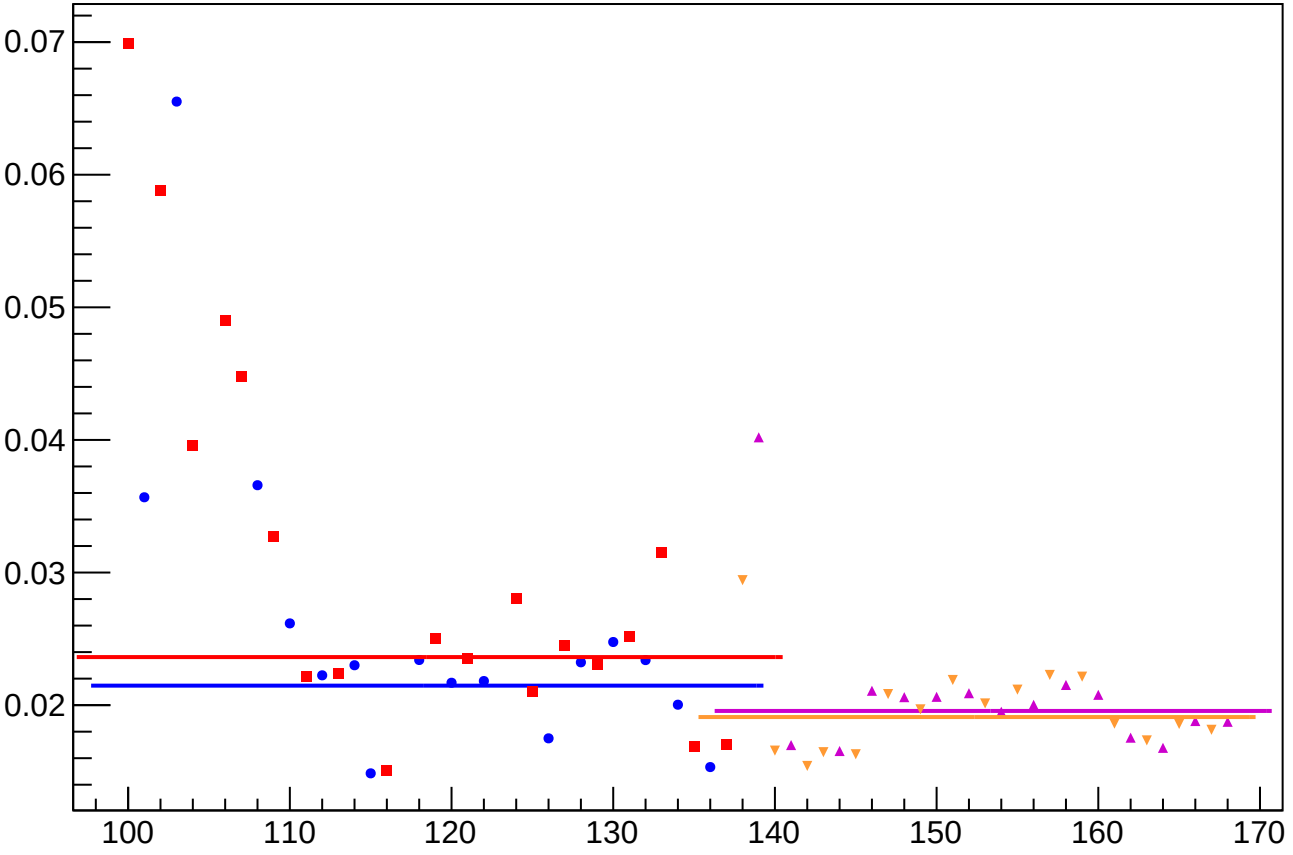
Left In: -0.770+/-0.000 χ^2/NDF:76162654.5/14

+ sign -0.708+/-0.000 χ^2/NDF: 902564346.9/31

All: -0.706+/-0.000 χ^2/NDF: 1599433670.4/6

- sign -0.704+/-0.000 χ^2/NDF: 696552847.5/33

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:409561.1/15

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

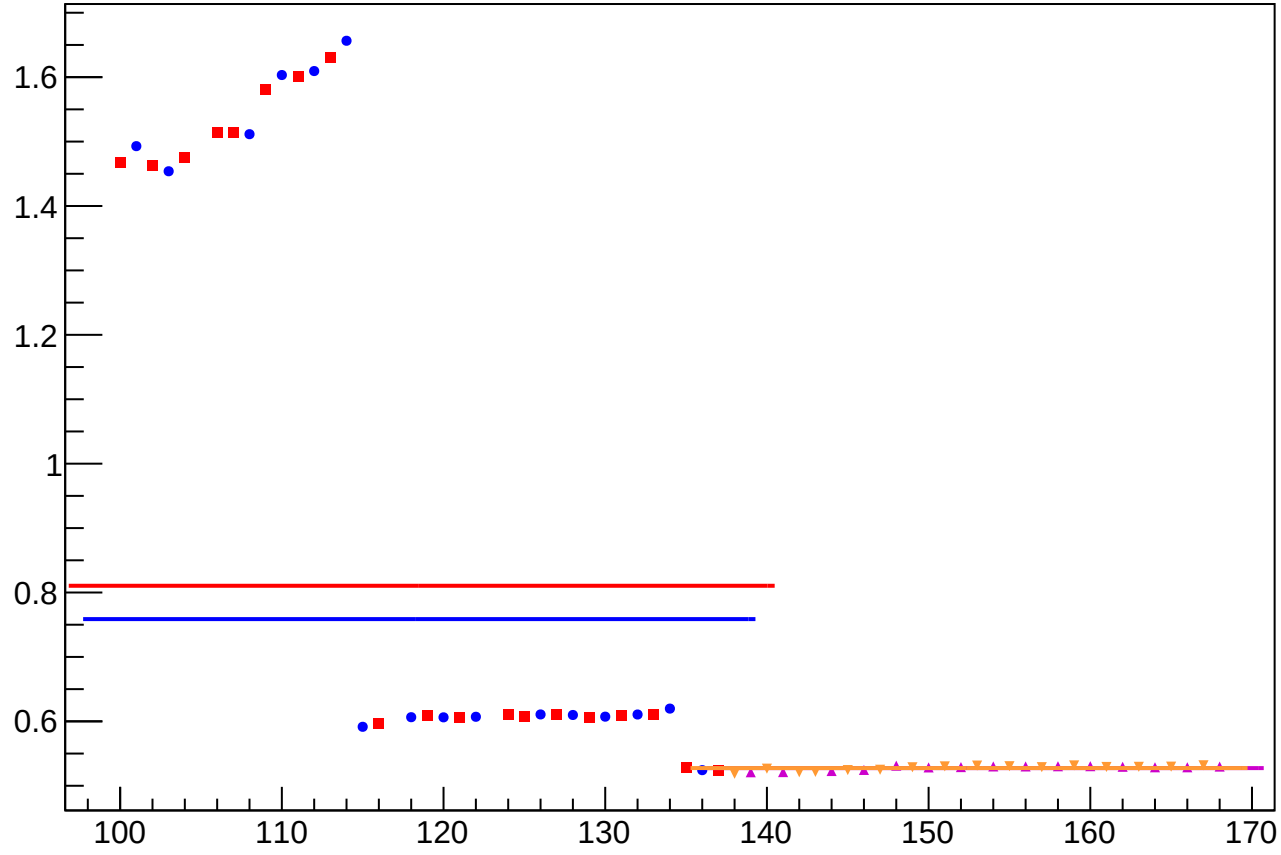
Left In: 0.020+/-0.000 χ^2/NDF:602947.6/14

+ sign 0.020+/-0.000 χ^2/NDF: 1655077.4/31

All: 0.020+/-0.000 χ^2/NDF: 3802376.1/65

- sign 0.021+/-0.000 χ^2/NDF: 2117994.8/33

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.527+/-0.000 χ^2/NDF:1290560.5/15

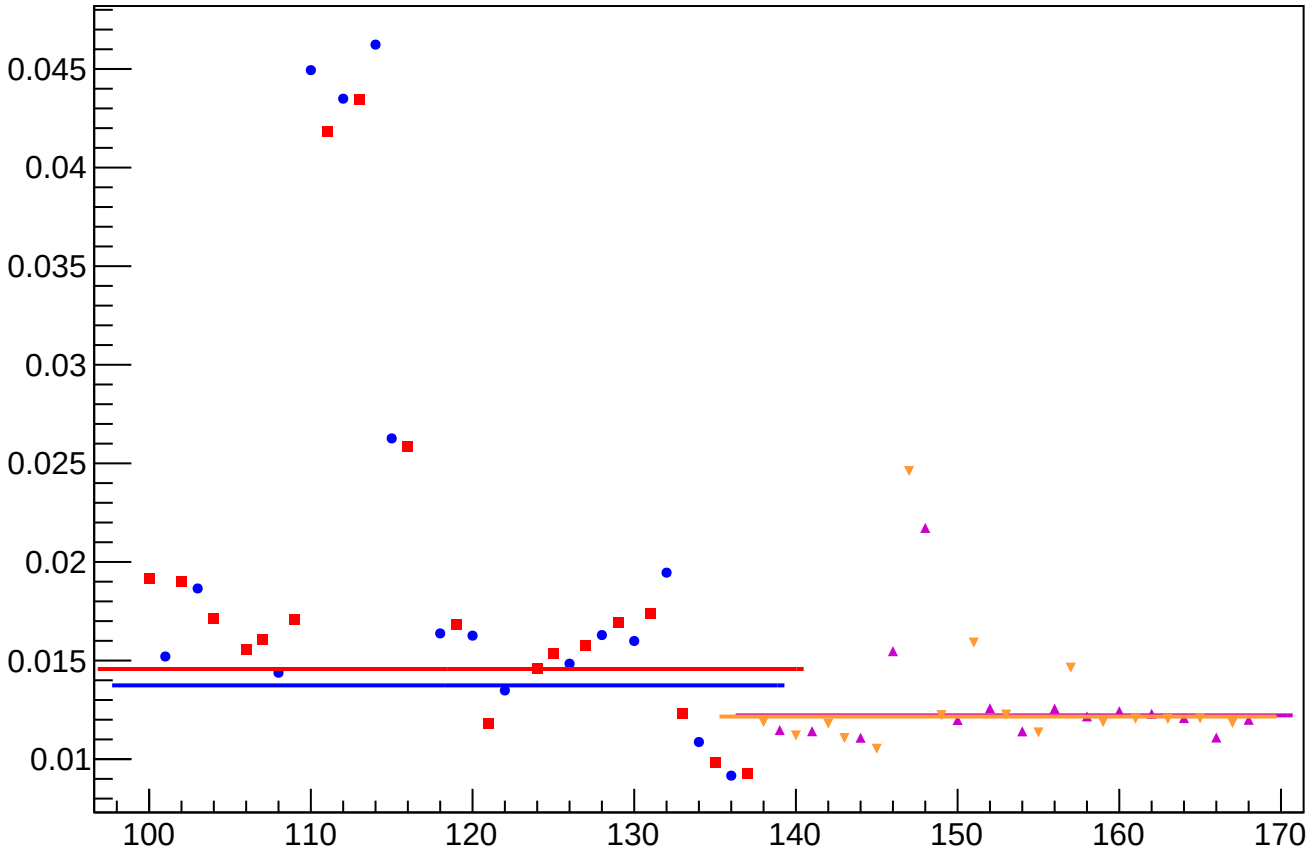
Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.527+/-0.000 χ^2/NDF:965693.5/14

+ sign 0.593+/-0.000 χ^2/NDF: 5517072165.8/31

All: 0.598+/-0.000 χ^2/NDF: 12010055624.0/6

- sign 0.604+/-0.000 χ^2/NDF: 6485475063.0/33



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:615264.8/15

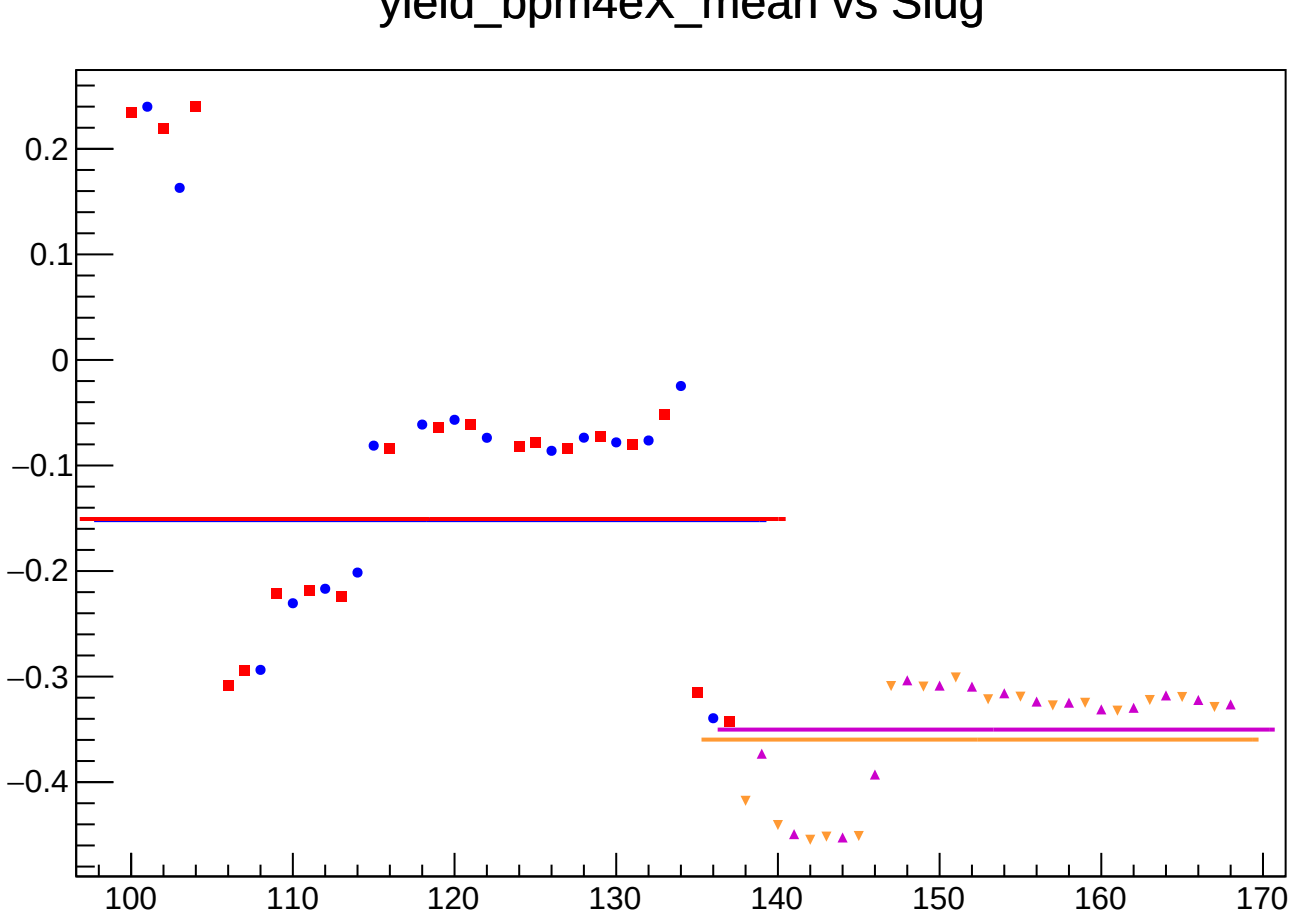
Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:430033.4/14

+ sign 0.013+/-0.000 χ^2/NDF: 2378245.7/31

All: 0.013+/-0.000 χ^2/NDF: 4507015.3/65

- sign 0.013+/-0.000 χ^2/NDF: 2121678.1/33



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.360+/-0.000 χ^2/NDF:103599353.8/15

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

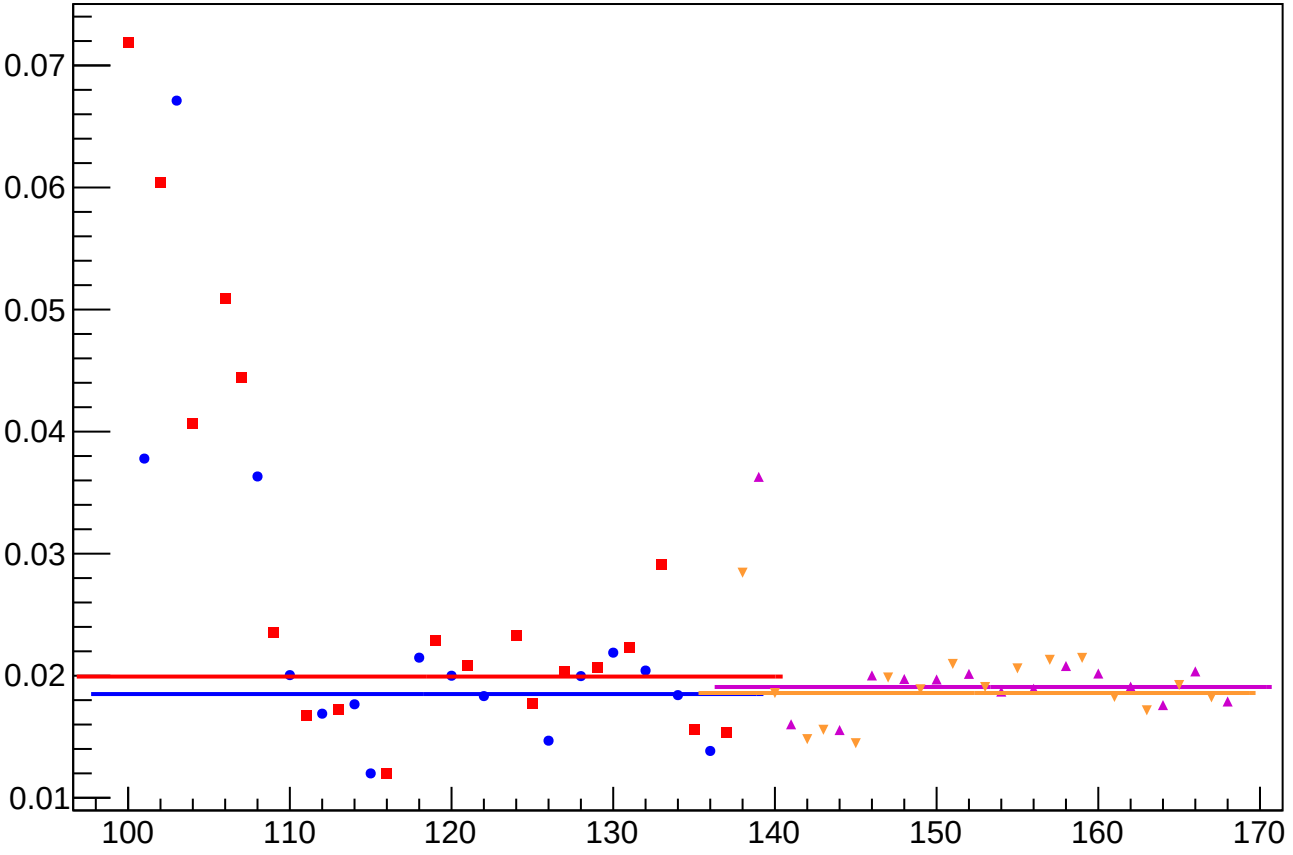
Left In: -0.350+/-0.000 χ^2/NDF:76596194.0/14

+ sign -0.288+/-0.000 χ^2/NDF: 816313501.6/31

All: -0.286+/-0.000 χ^2/NDF: 1456855331.5/6

- sign -0.284+/-0.000 χ^2/NDF: 640200227.2/33

yield_bpm4eX_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.019+/-0.000 χ^2/NDF:435285.9/15

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

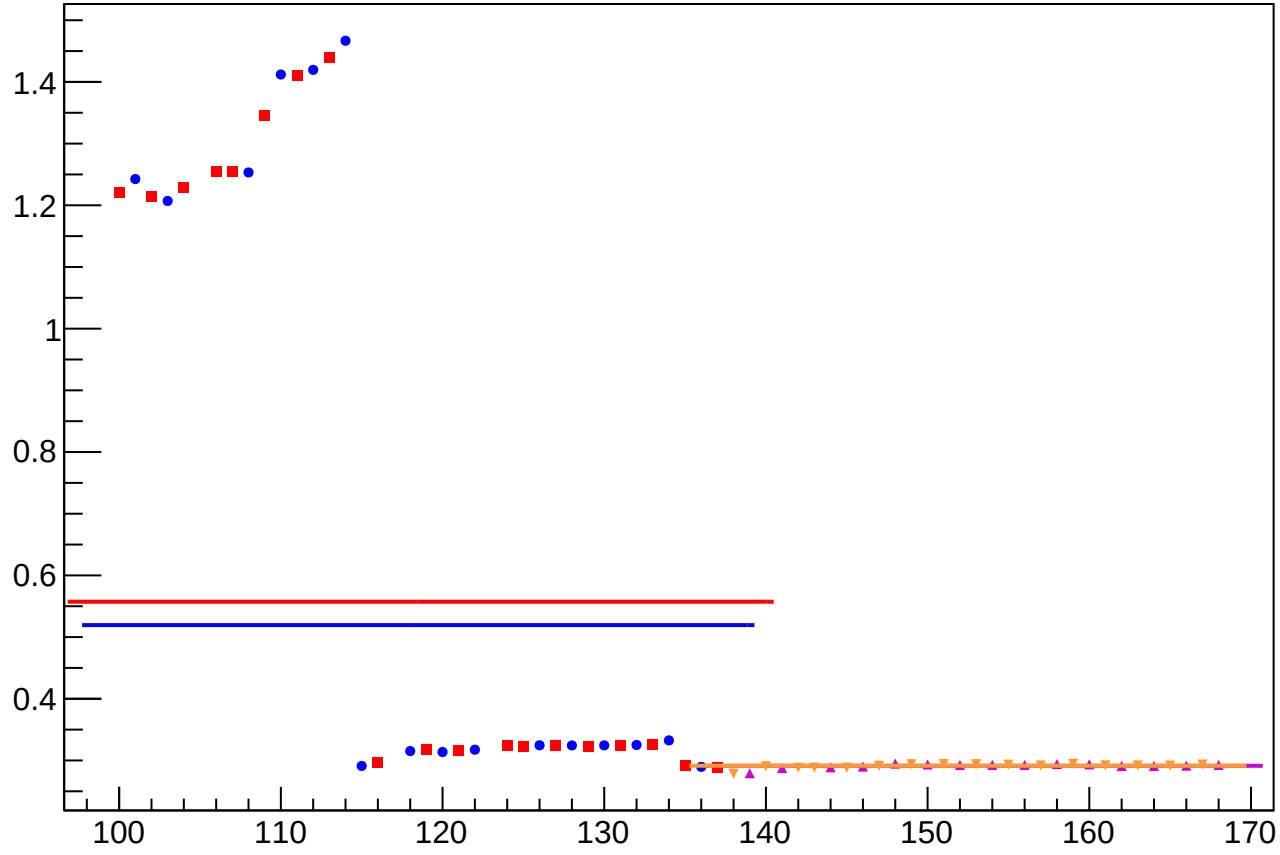
Left In: 0.019+/-0.000 χ^2/NDF:535122.1/14

+ sign 0.019+/-0.000 χ^2/NDF: 1807795.2/31

All: 0.019+/-0.000 χ^2/NDF: 3931691.4/65

- sign 0.019+/-0.000 χ^2/NDF: 2096021.6/33

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.291+/-0.000 χ^2/NDF:1165009.4/15

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

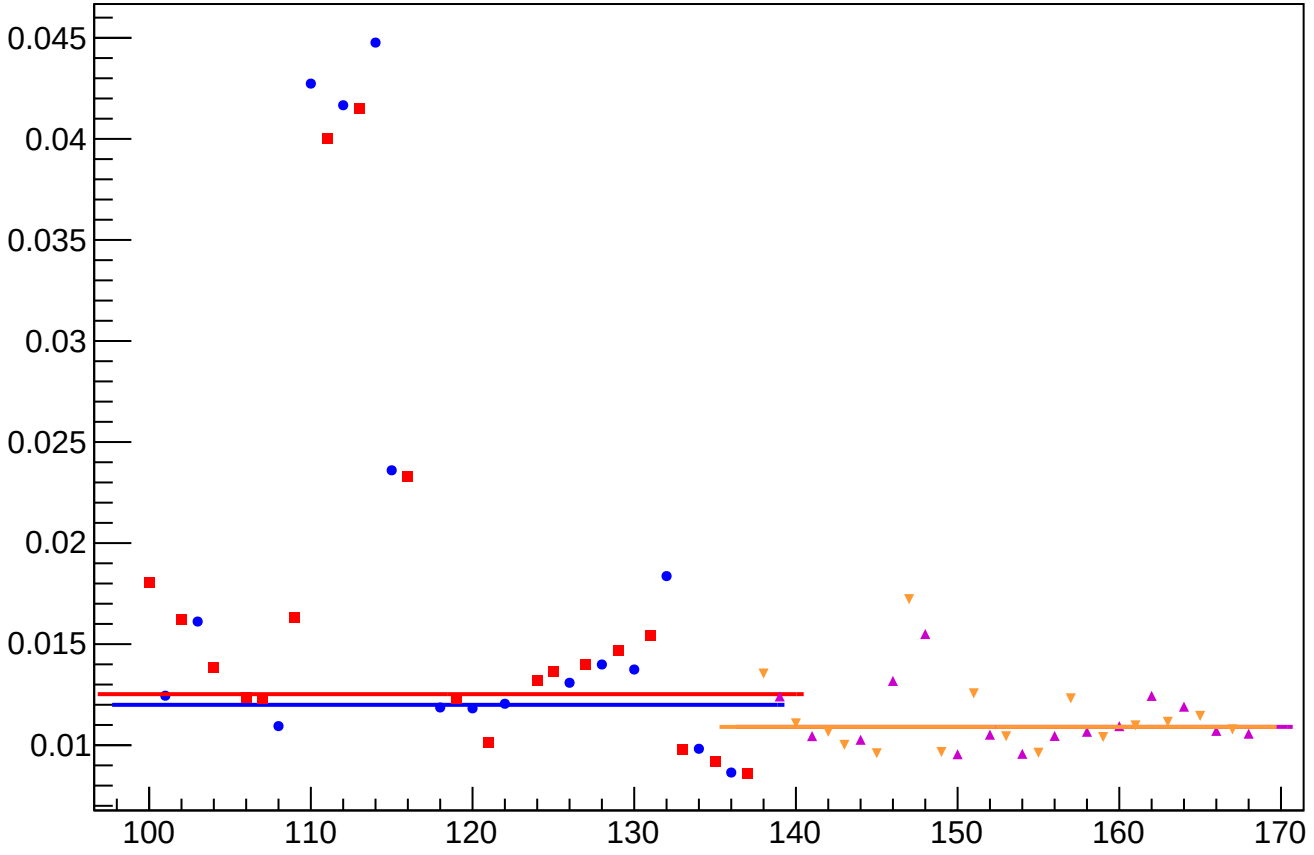
Left In: 0.291+/-0.000 χ^2/NDF:1186064.8/14

+ sign 0.358+/-0.000 χ^2/NDF: 7842954596.1/31

All: 0.362+/-0.000 χ^2/NDF: 16573374624.9/6

- sign 0.367+/-0.000 χ^2/NDF: 8725225289.1/33

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:427708.7/15

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

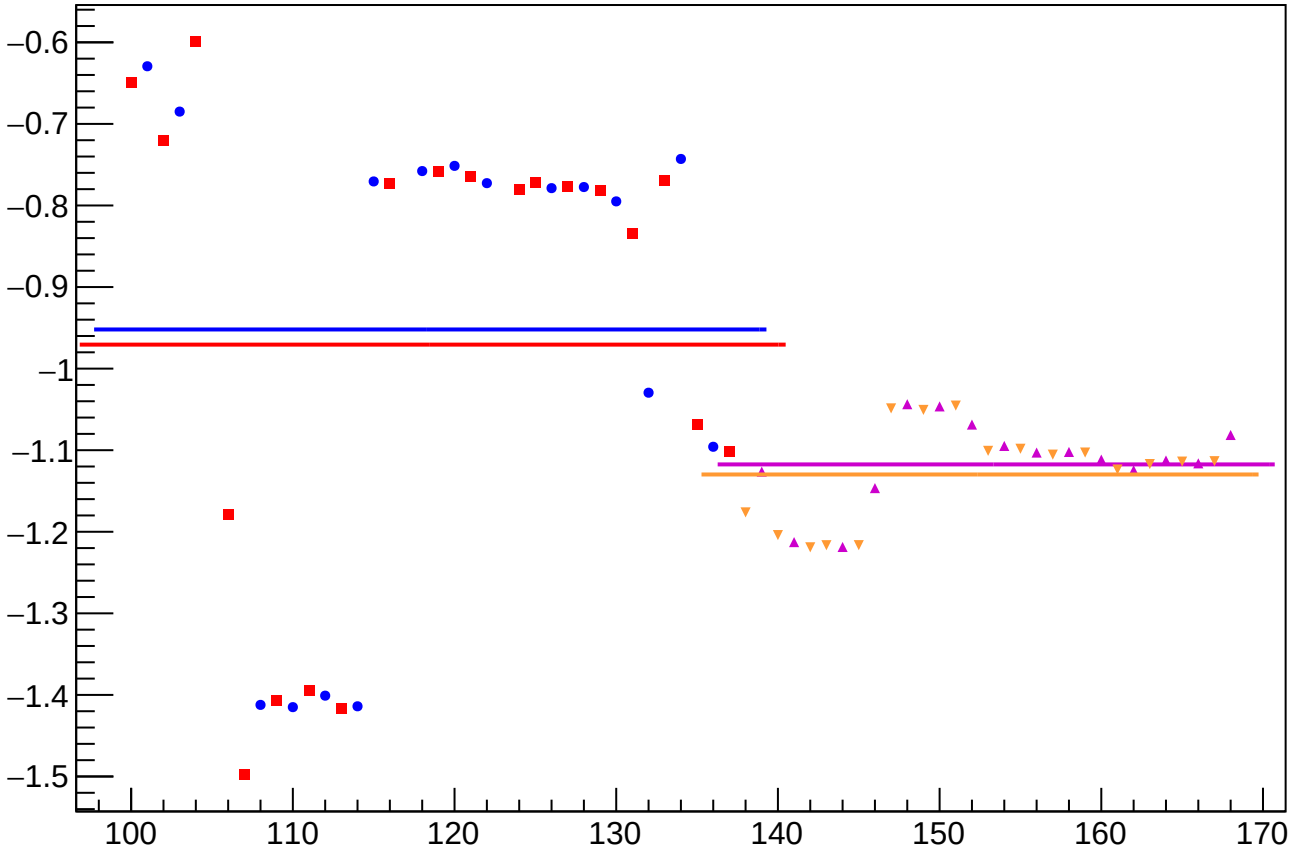
Left In: 0.011+/-0.000 χ^2/NDF:331265.4/14

+ sign 0.011+/-0.000 χ^2/NDF: 1989203.4/31

All: 0.011+/-0.000 χ^2/NDF: 3903989.4/65

- sign 0.011+/-0.000 χ^2/NDF: 1912013.0/33

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.130+/-0.000 χ^2/NDF:98012938.7/15

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

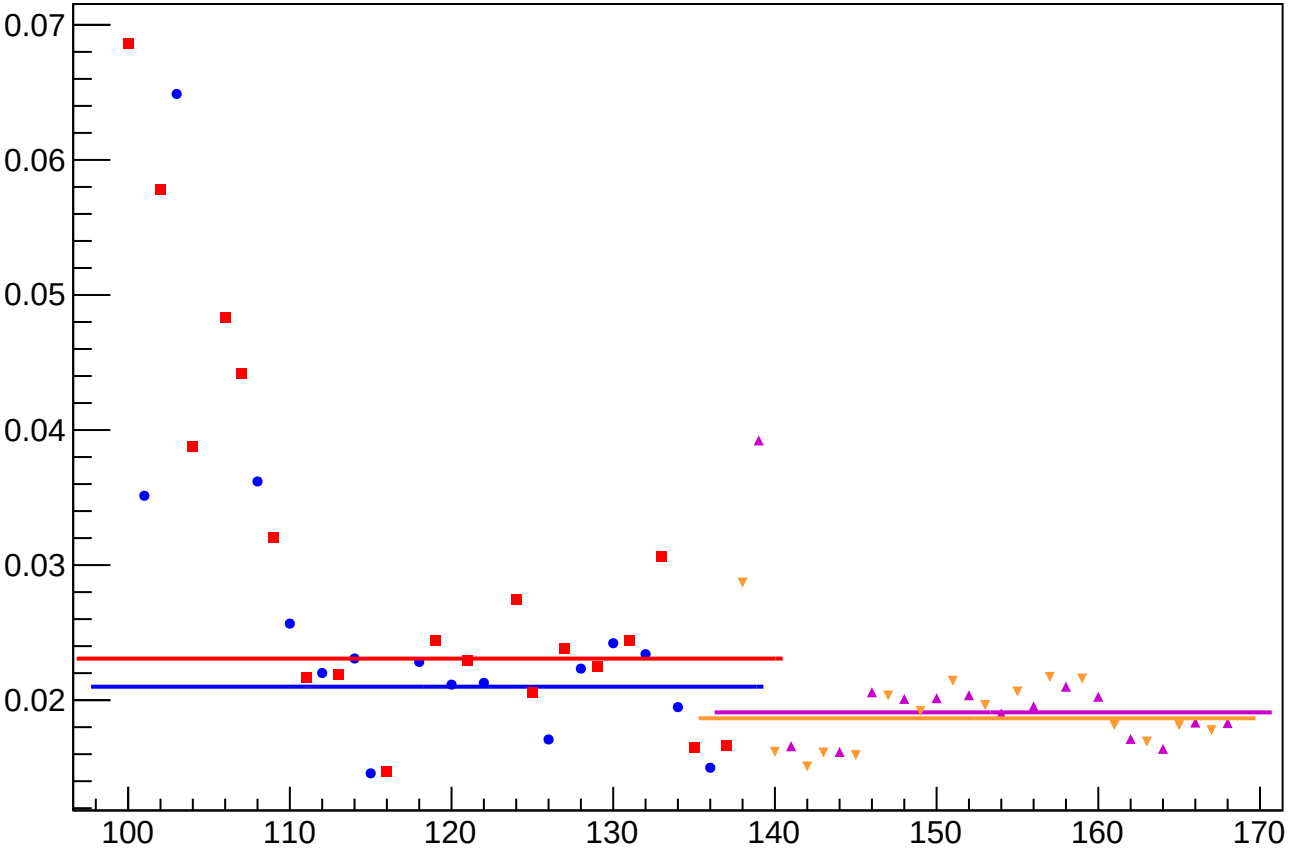
Left In: -1.117+/-0.000 χ^2/NDF:74614645.7/14

+ sign -1.077+/-0.000 χ^2/NDF: 1066847228.1/31

All: -1.077+/-0.000 χ^2/NDF: 2018509597.3/6

- sign -1.077+/-0.000 χ^2/NDF: 951661615.9/33

yield_bpm4acX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.019+/-0.000 χ^2/NDF:405636.6/15

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

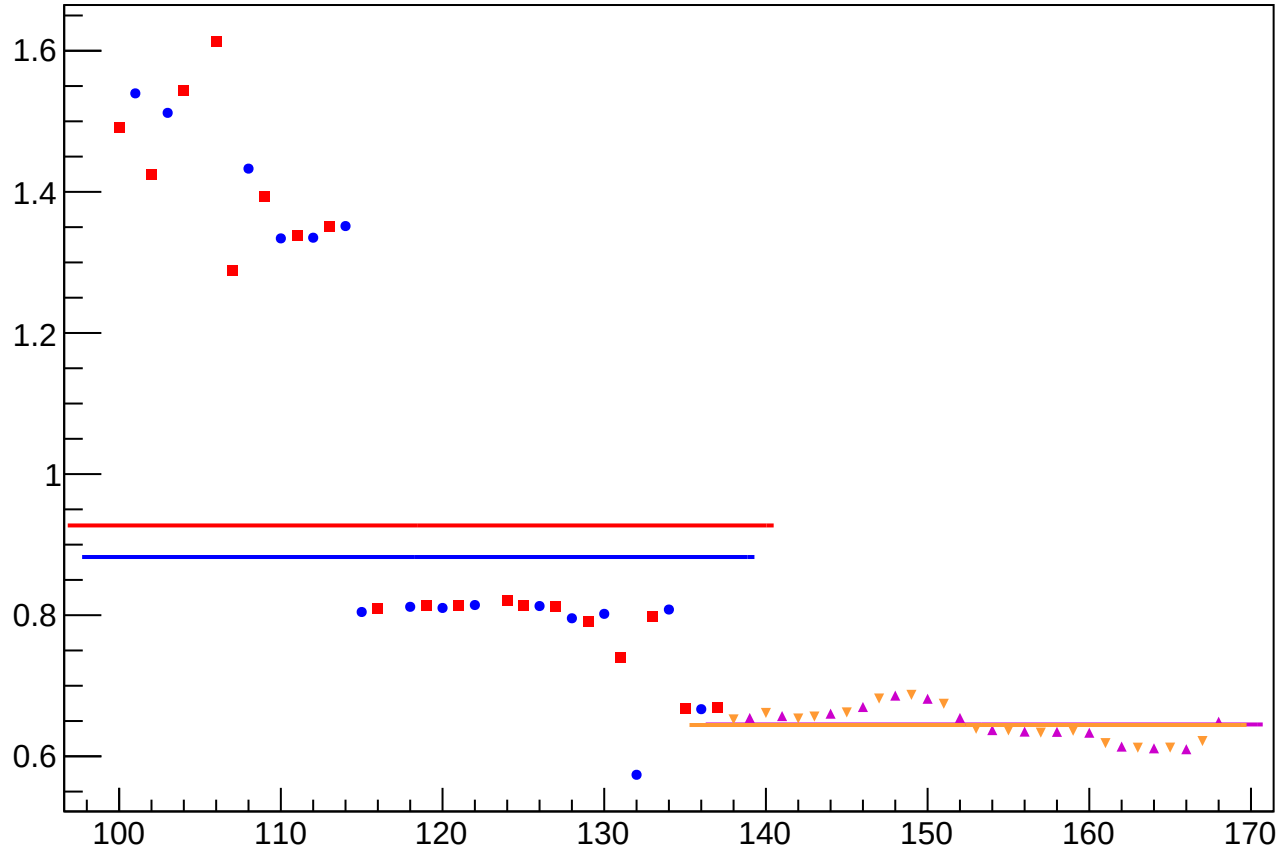
Left In: 0.019+/-0.000 χ^2/NDF:601304.6/14

+ sign 0.019+/-0.000 χ^2/NDF: 1665942.5/31

All: 0.020+/-0.000 χ^2/NDF: 3815767.0/65

- sign 0.020+/-0.000 χ^2/NDF: 2121848.2/33

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.644+/-0.000 χ^2/NDF:38251301.7/15

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

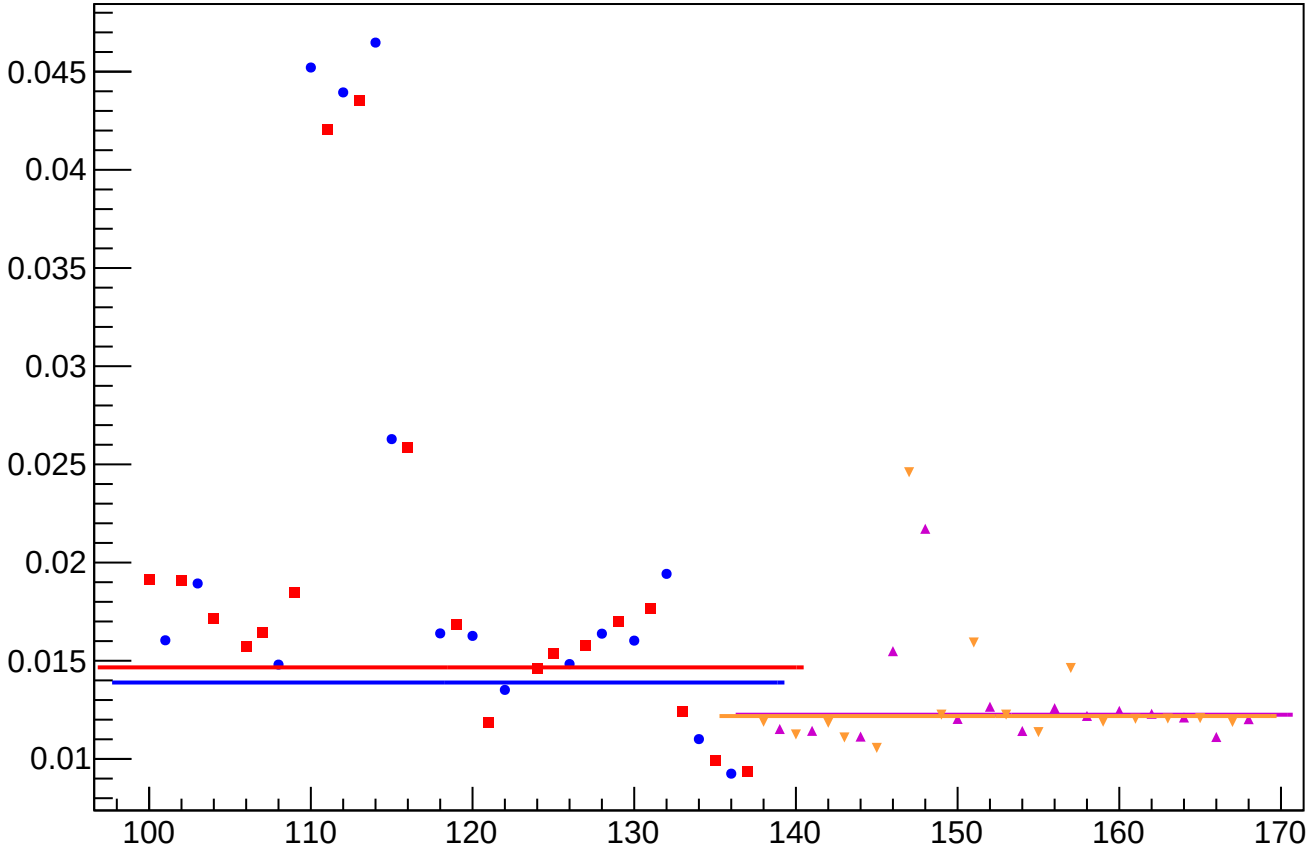
Left In: 0.645+/-0.000 χ^2/NDF:34203632.8/14

+ sign 0.710+/-0.000 χ^2/NDF: 4081535899.6/31

All: 0.716+/-0.000 χ^2/NDF: 8563726471.2/65

- sign 0.721+/-0.000 χ^2/NDF: 4475967647.0/33

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:609949.7/15

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

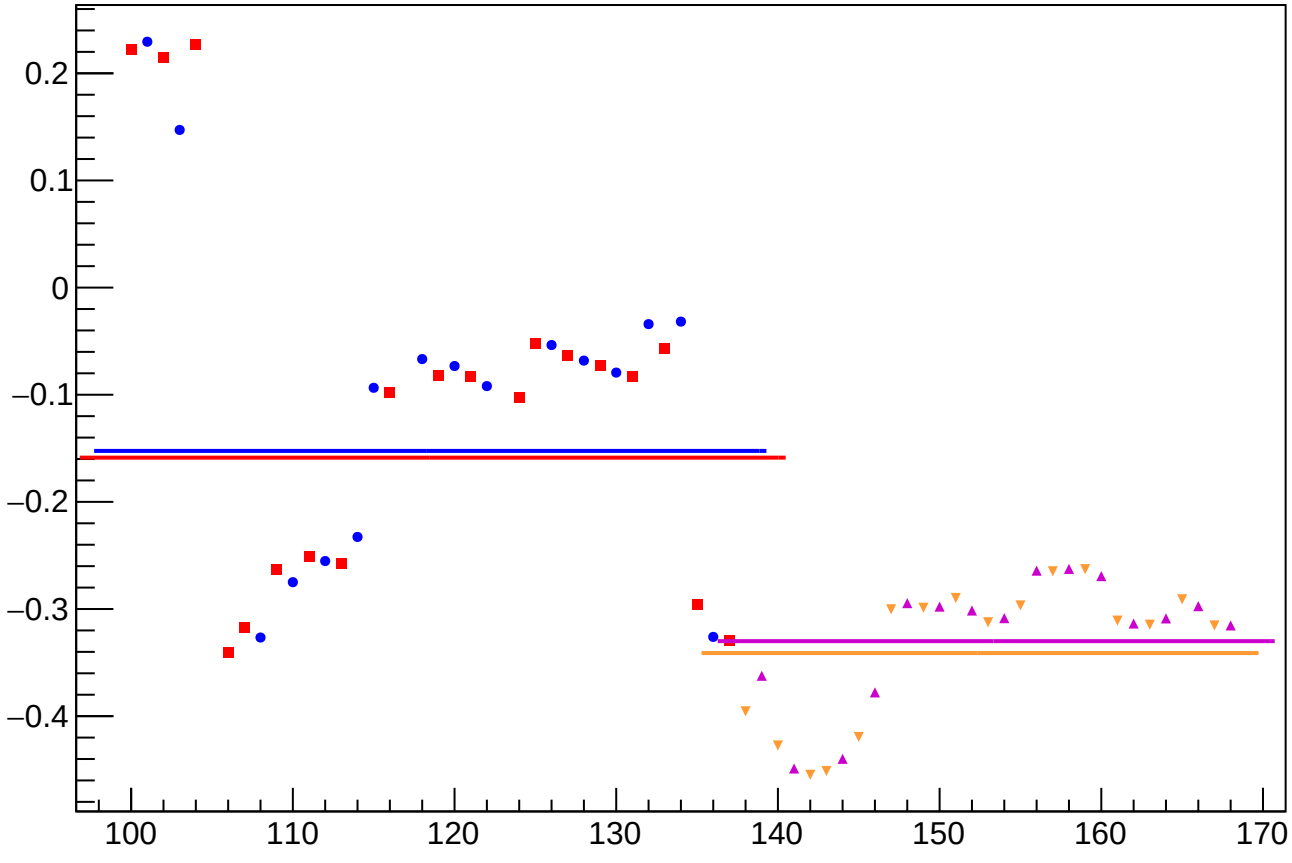
Left In: 0.012+/-0.000 χ^2/NDF:426703.9/14

+ sign 0.013+/-0.000 χ^2/NDF: 2386221.2/31

All: 0.013+/-0.000 χ^2/NDF: 4531695.2/65

- sign 0.013+/-0.000 χ^2/NDF: 2139000.9/33

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.341+/-0.000 χ^2/NDF:123307821.9/15

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

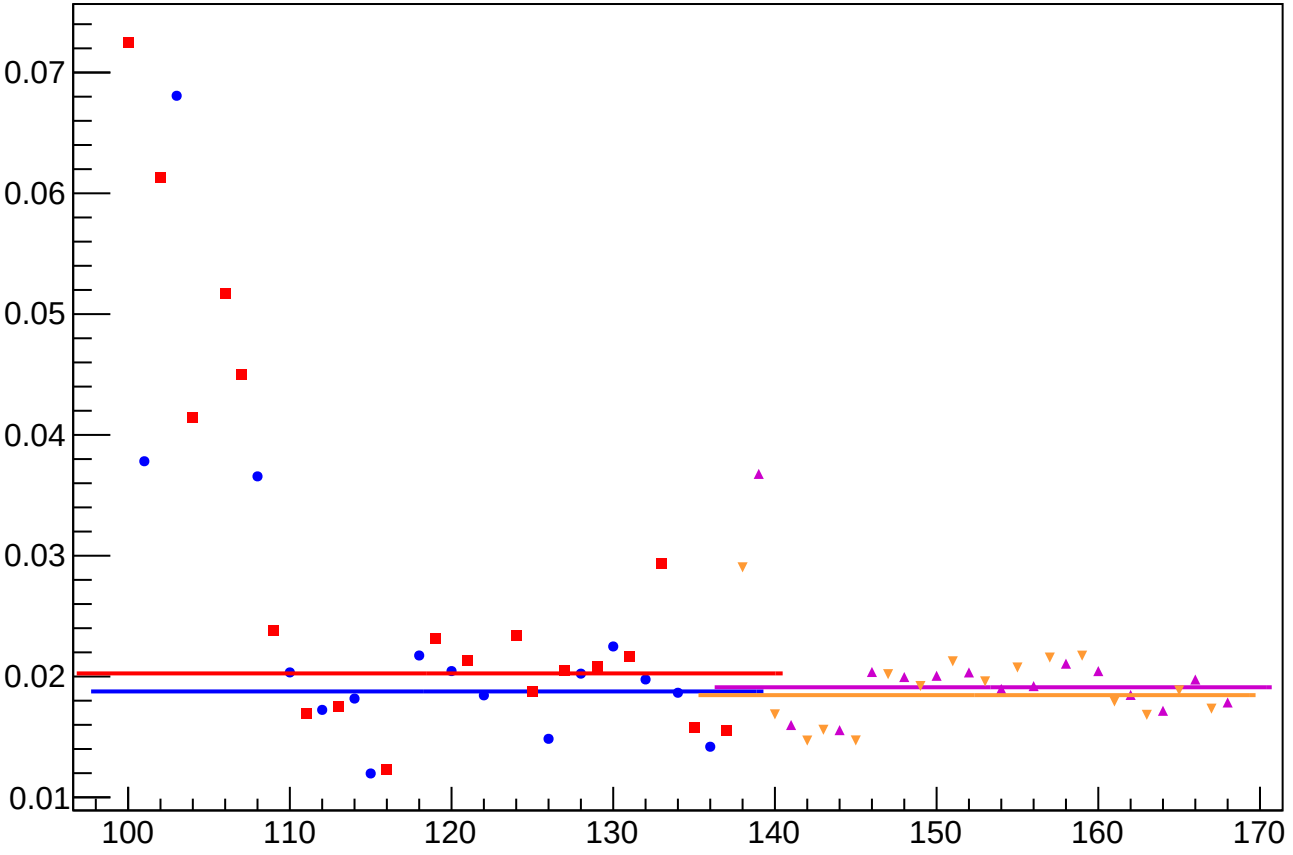
Left In: -0.330+/-0.000 χ^2/NDF:103365746.6/14

\+ sign -0.277+/-0.000 χ^2/NDF: 750929435.4/31

All: -0.276+/-0.000 χ^2/NDF: 1311920194.6/6

\- sign -0.274+/-0.000 χ^2/NDF: 560742788.9/33

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:484079.1/15

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

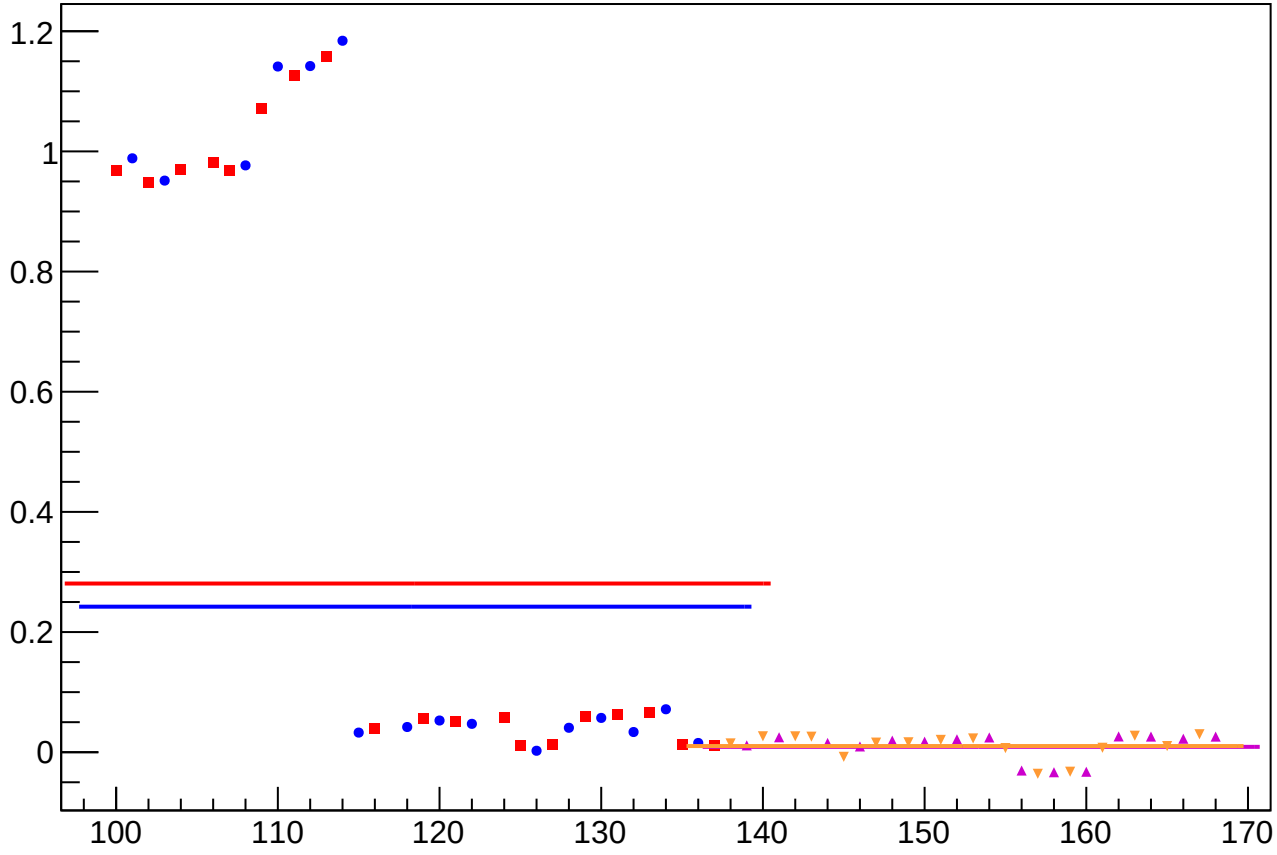
Left In: 0.019+/-0.000 χ^2/NDF:561962.7/14

+ sign 0.019+/-0.000 χ^2/NDF: 1835358.9/31

All: 0.019+/-0.000 χ^2/NDF: 3986569.5/65

- sign 0.019+/-0.000 χ^2/NDF: 2115047.9/33

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:41142778.3/15

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

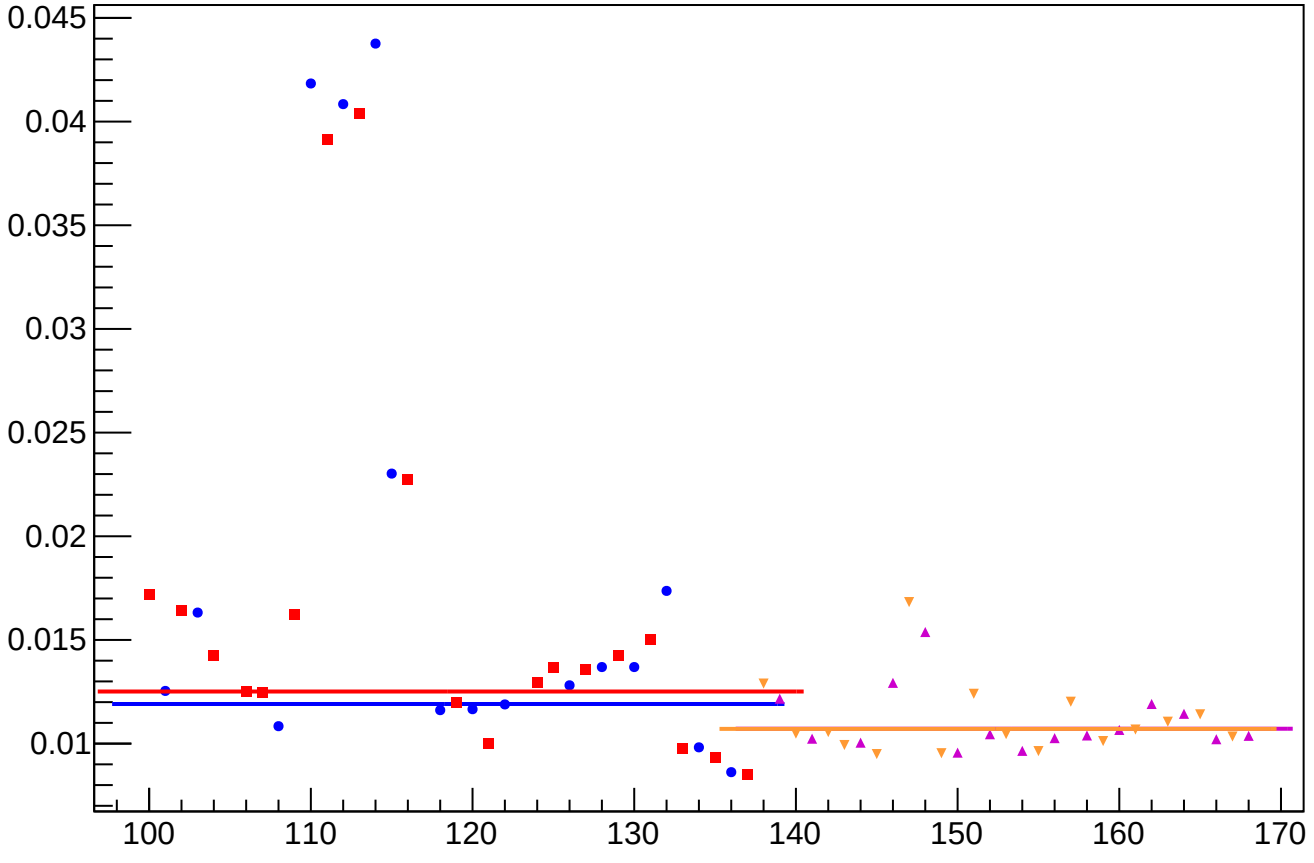
Left In: 0.009+/-0.000 χ^2/NDF:51209807.5/14

+ sign 0.077+/-0.000 χ^2/NDF: 8160952419.5/31

All: 0.081+/-0.000 χ^2/NDF: 17064781143.7/6

- sign 0.084+/-0.000 χ^2/NDF: 8900104534.9/33

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:396926.5/15

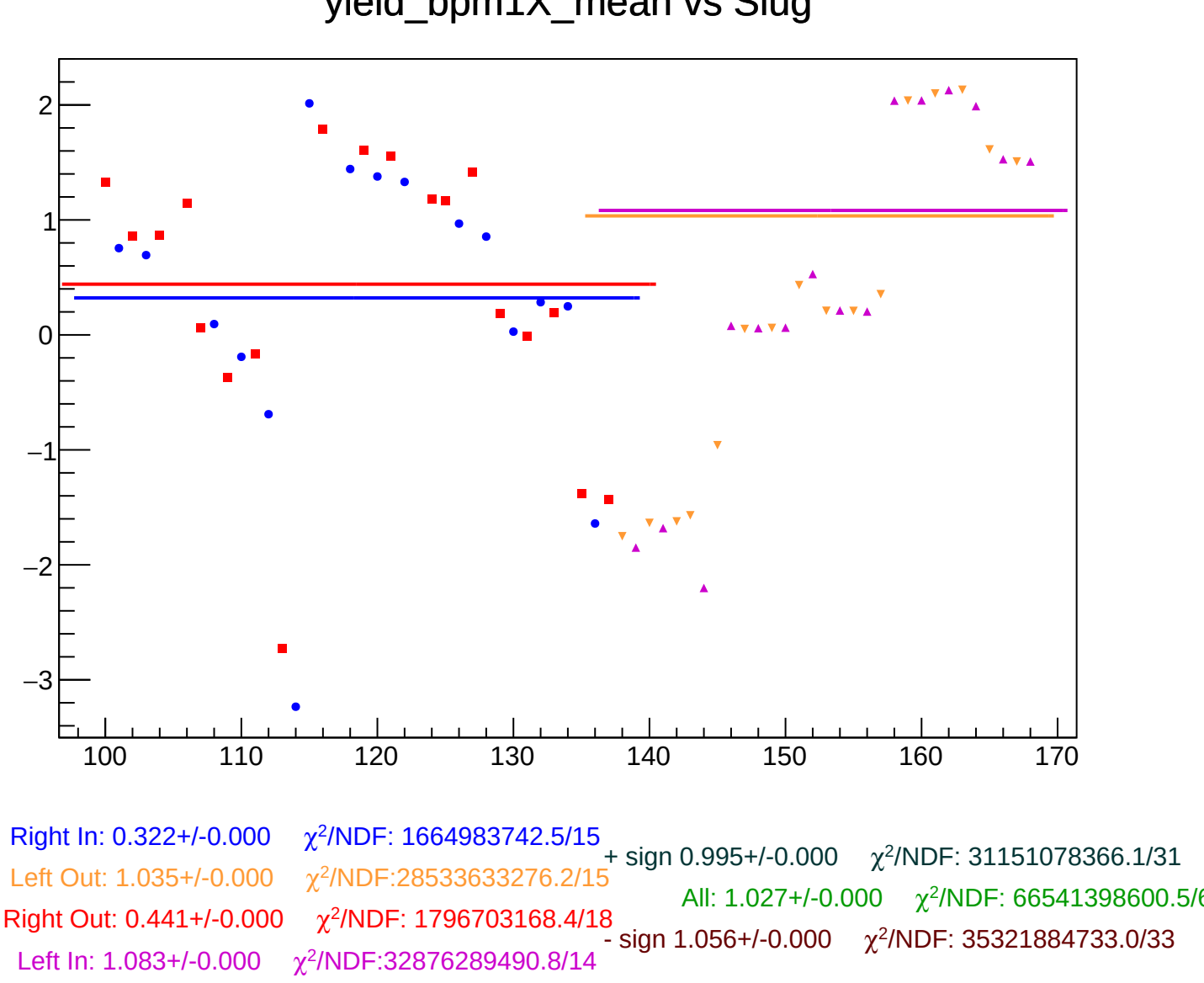
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:306410.3/14

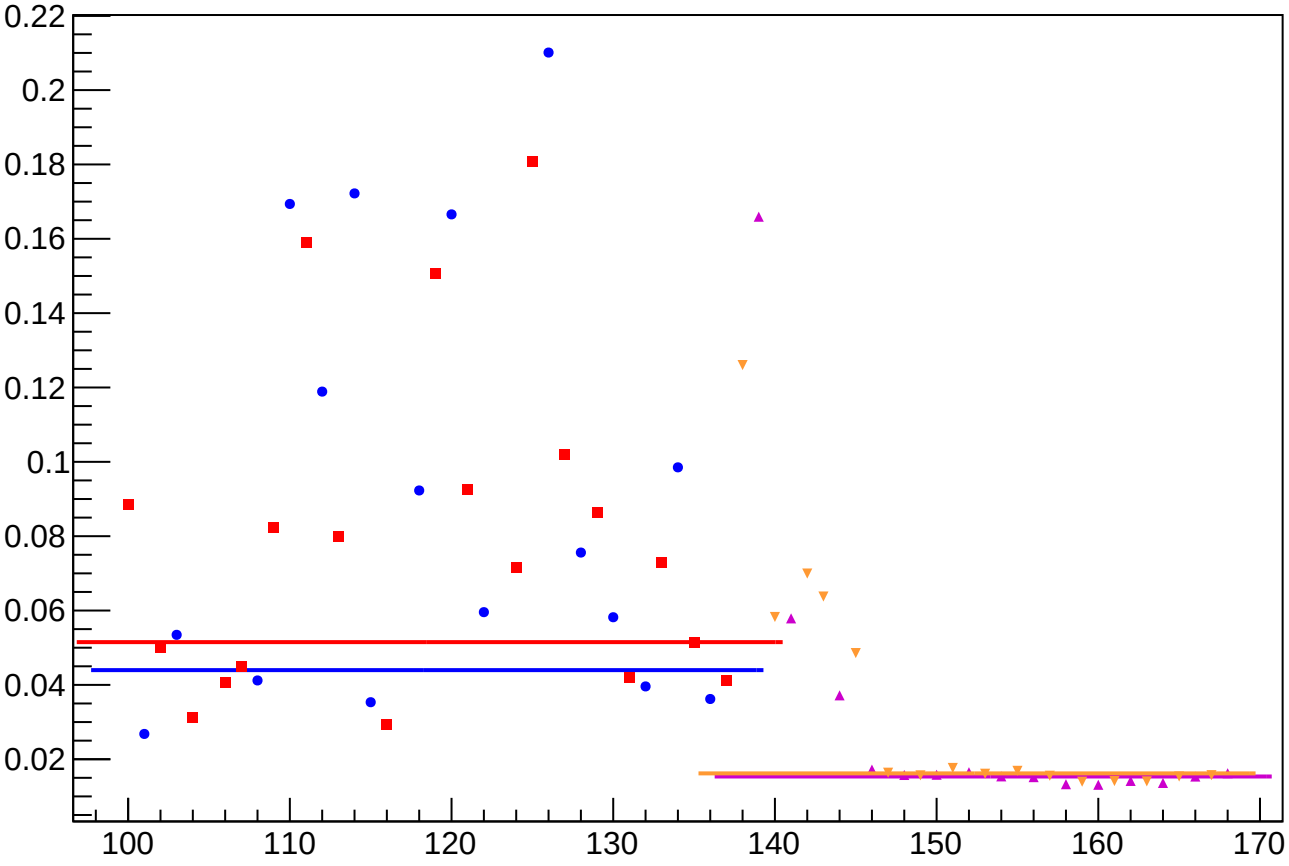
+ sign 0.011+/-0.000 χ^2/NDF: 1942604.4/31

All: 0.011+/-0.000 χ^2/NDF: 3827529.2/65

- sign 0.011+/-0.000 χ^2/NDF: 1881292.8/33


yield_bpm1X_mean vs Slug
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: 0.322+/-0.000 χ²/NDF: 1664983742.5/15
Left Out: 1.035+/-0.000 χ²/NDF:28533633276.2/15
Right Out: 0.441+/-0.000 χ²/NDF: 1796703168.4/18
Left In: 1.083+/-0.000 χ²/NDF:32876289490.8/14
+ sign 0.995+/-0.000 χ²/NDF: 31151078366.1/31
All: 1.027+/-0.000 χ²/NDF: 66541398600.5/6
- sign 1.056+/-0.000 χ²/NDF: 35321884733.0/33

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:2877808.5/15

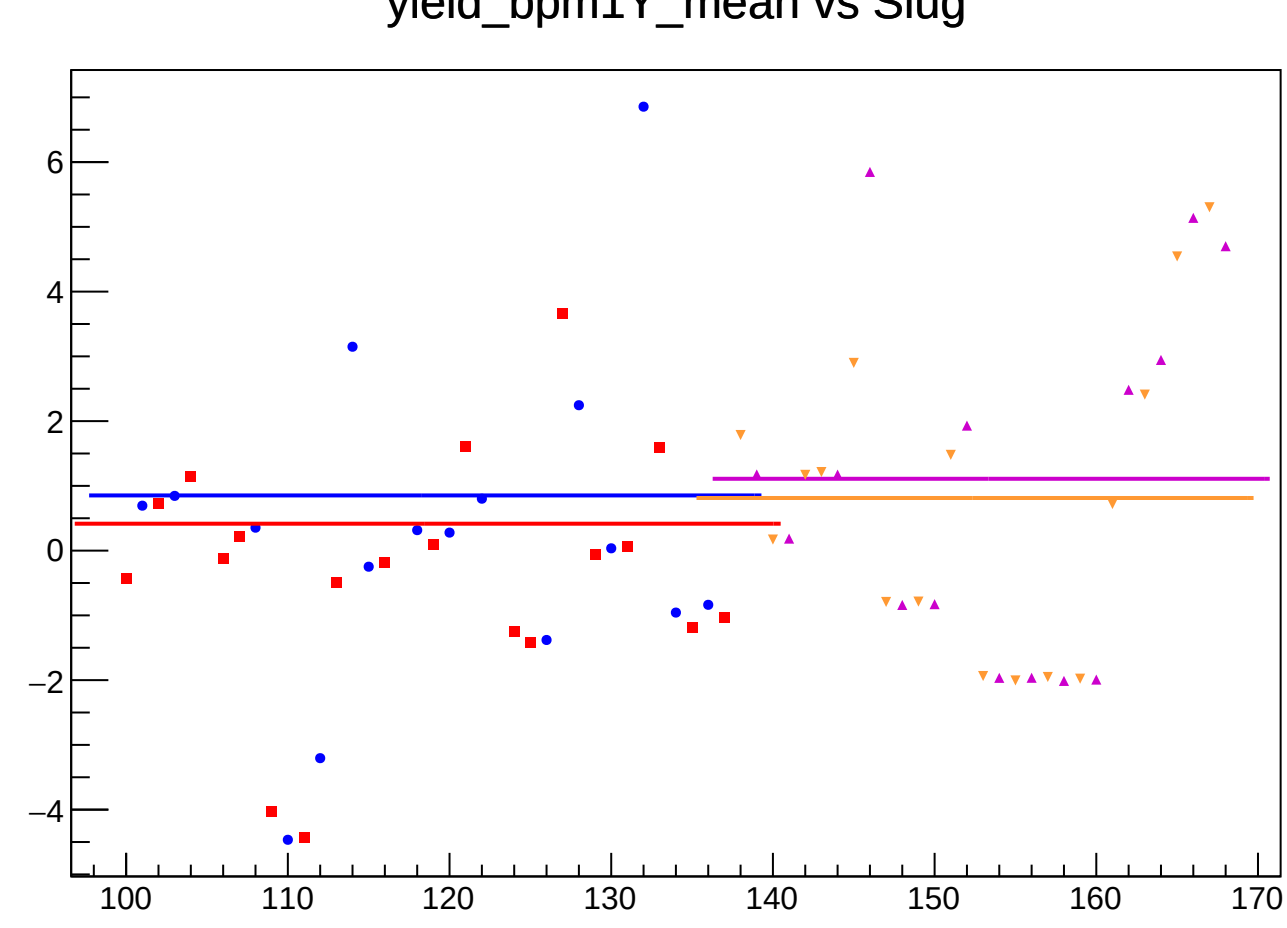
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2148468.2/14

+ sign 0.018+/-0.000 χ^2/NDF: 8555865.4/31

All: 0.017+/-0.000 χ^2/NDF: 17220334.3/65

- sign 0.017+/-0.000 χ^2/NDF: 8635926.3/33



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.813+/-0.000 χ^2/NDF:382915270131.5/15

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

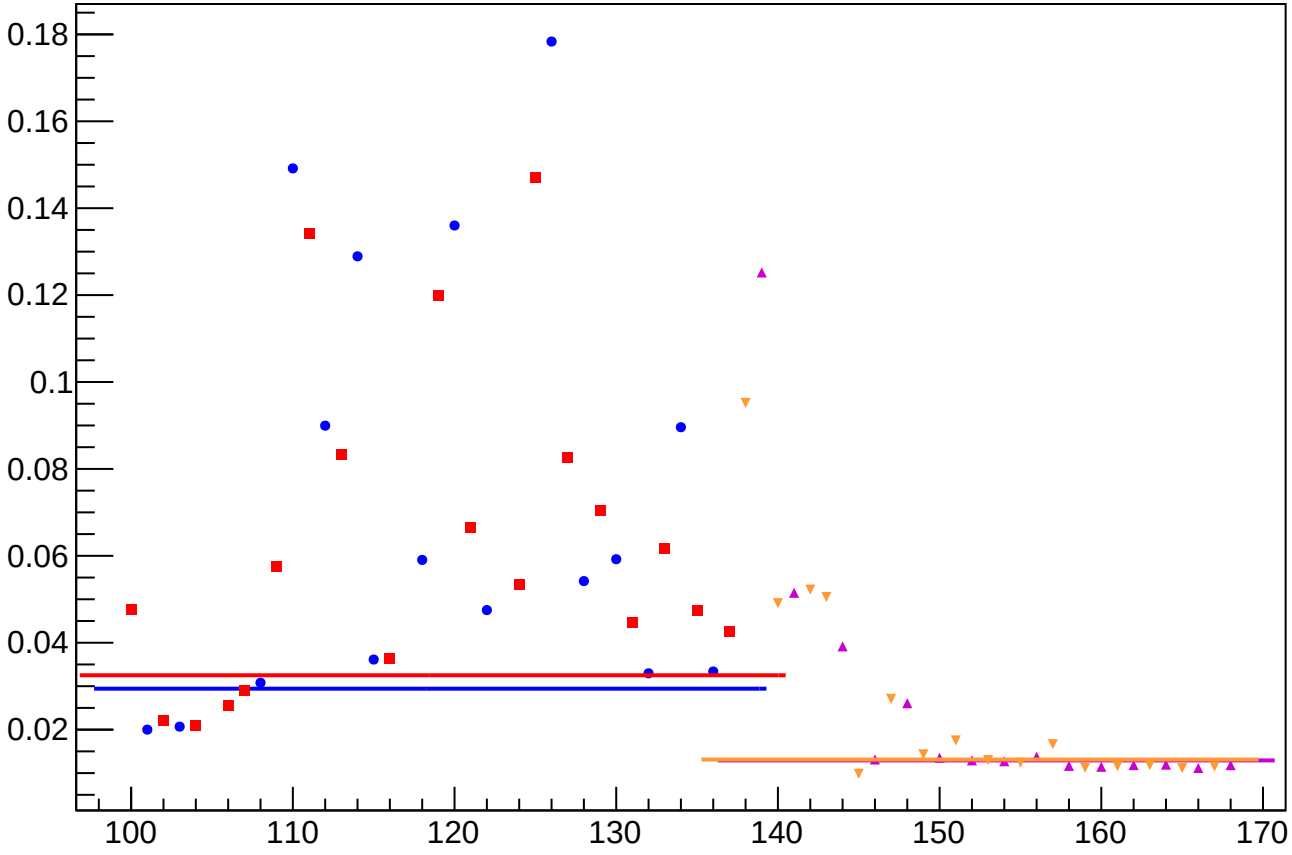
Left In: 1.110+/-0.000 χ^2/NDF:510148998381.0/14

+ sign 0.816+/-0.000 χ^2/NDF: 394497509559.0/31

All: 0.945+/-0.000 χ^2/NDF: 913402051177.3

- sign 1.066+/-0.000 χ^2/NDF: 517030173050.8/33

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:3106427.8/15

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

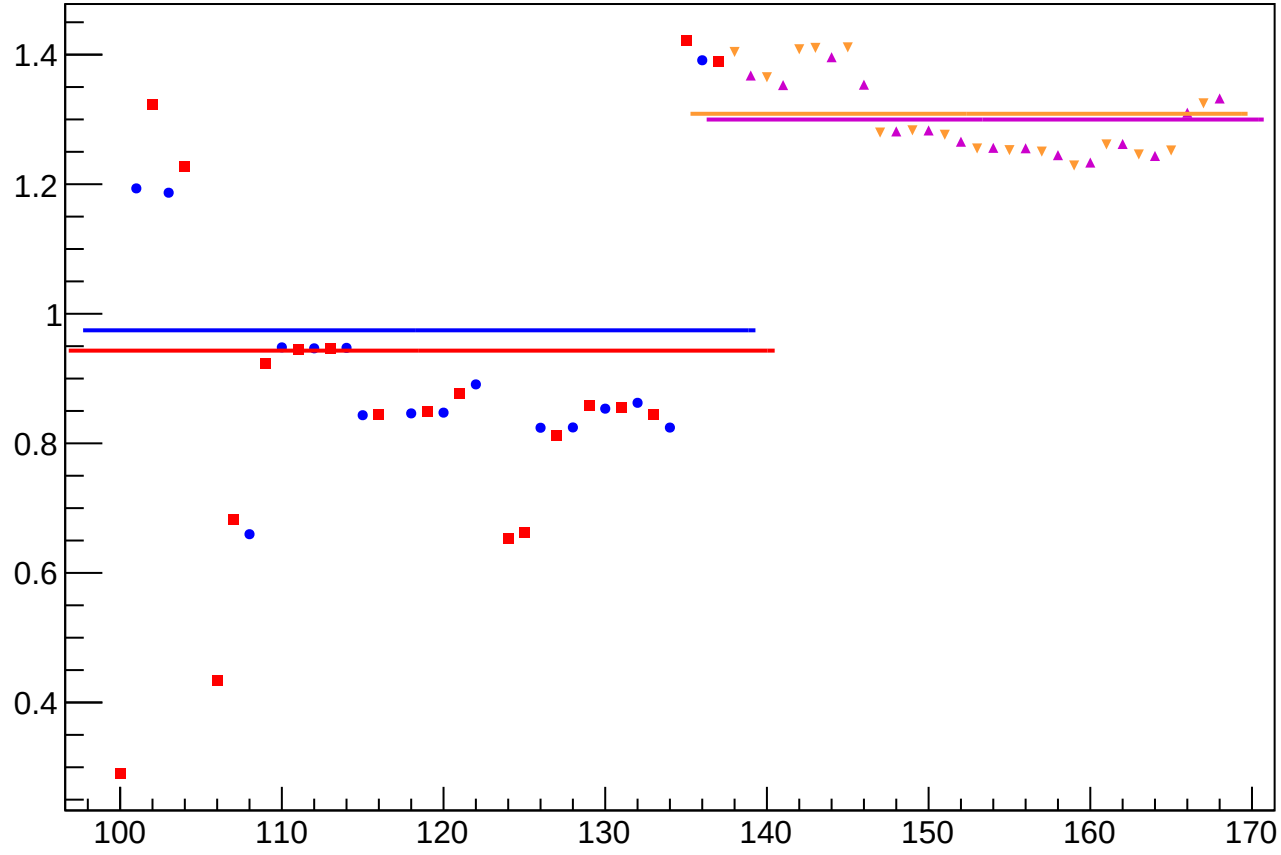
Left In: 0.013+/-0.000 χ^2/NDF:2679897.2/14

+ sign 0.014+/-0.000 χ^2/NDF: 8397717.2/31

All: 0.014+/-0.000 χ^2/NDF: 17204182.6/65

- sign 0.014+/-0.000 χ^2/NDF: 8804699.9/33

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.309+/-0.000 χ^2/NDF:260658150.5/15

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

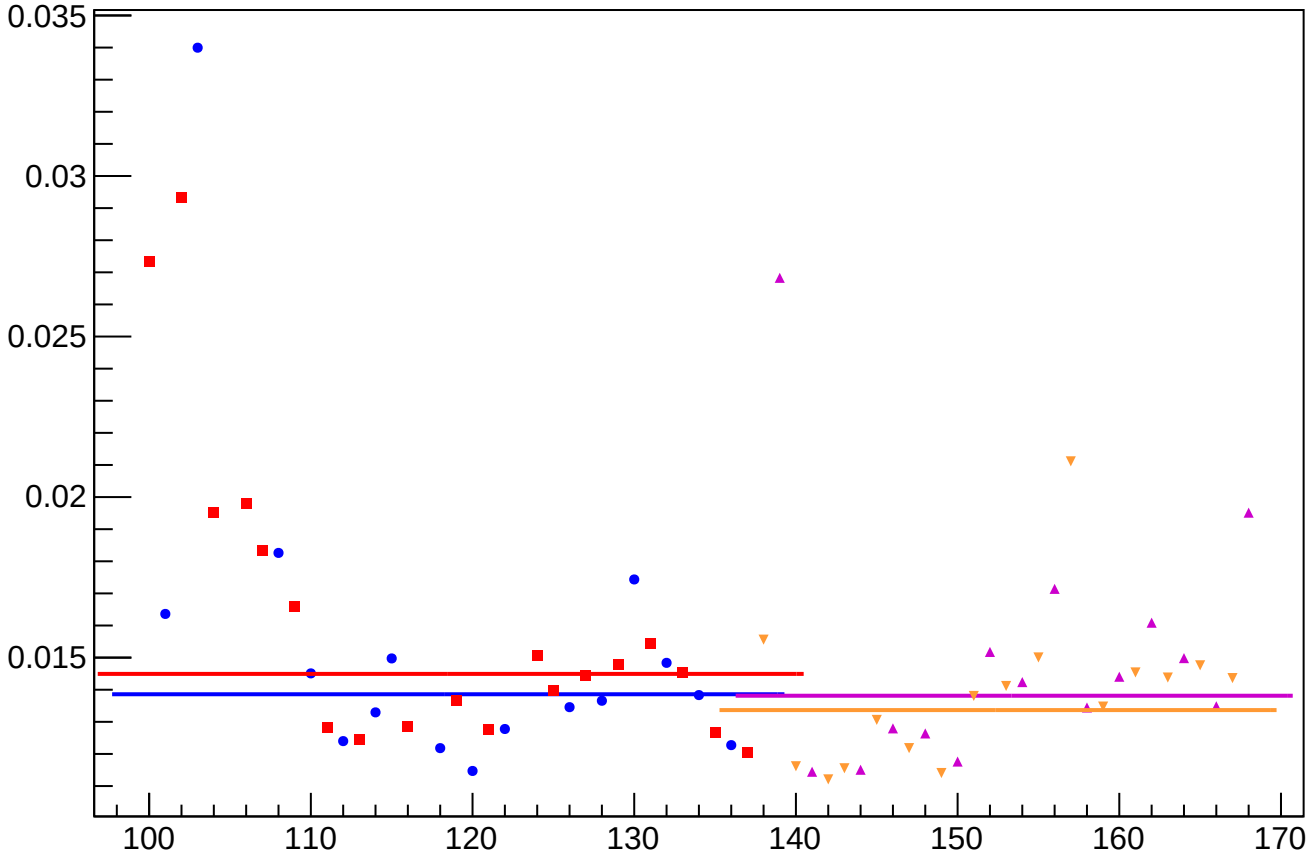
Left In: 1.300+/-0.000 χ^2/NDF:154587242.5/14

+ sign 1.192+/-0.000 χ^2/NDF: 4076253041.0/31

All: 1.184+/-0.000 χ^2/NDF: 8436004434.5/65

- sign 1.175+/-0.000 χ^2/NDF: 4345593266.8/33

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:408024.7/15

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

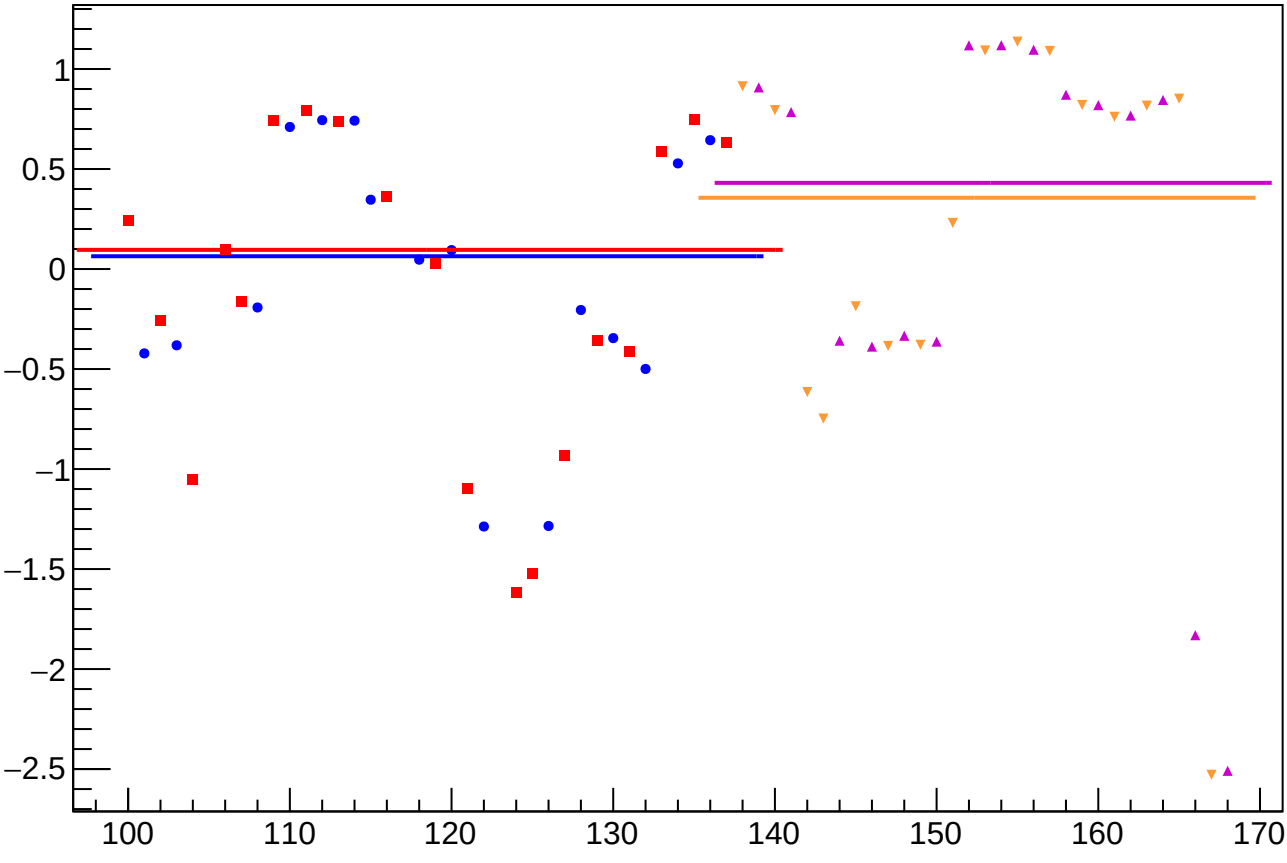
Left In: 0.014+/-0.000 χ^2/NDF:825308.8/14

+ sign 0.014+/-0.000 χ^2/NDF: 1018271.5/31

All: 0.014+/-0.000 χ^2/NDF: 2429991.8/65

- sign 0.014+/-0.000 χ^2/NDF: 1387960.0/33

yield_bpm11Y_mean vs Slug



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.356+/-0.000 χ^2/NDF:66964309027.4/15

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

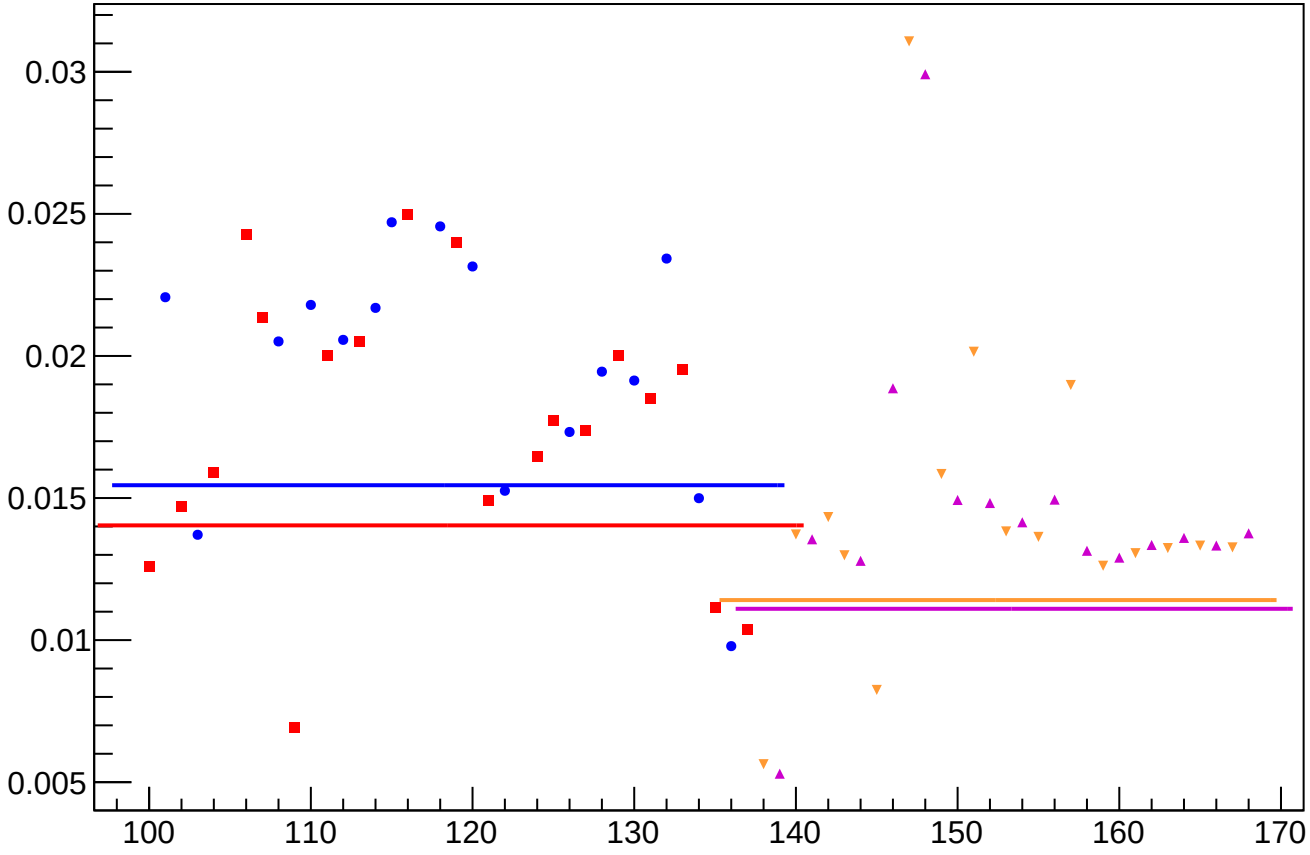
Left In: 0.431+/-0.000 χ^2/NDF:77072307114.5/14

+ sign 0.286+/-0.000 χ^2/NDF: 79632301500.8/31

All: 0.314+/-0.000 χ^2/NDF: 177108046065.0

- sign 0.341+/-0.000 χ^2/NDF: 97309621280.9/33

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:3103192.2/15

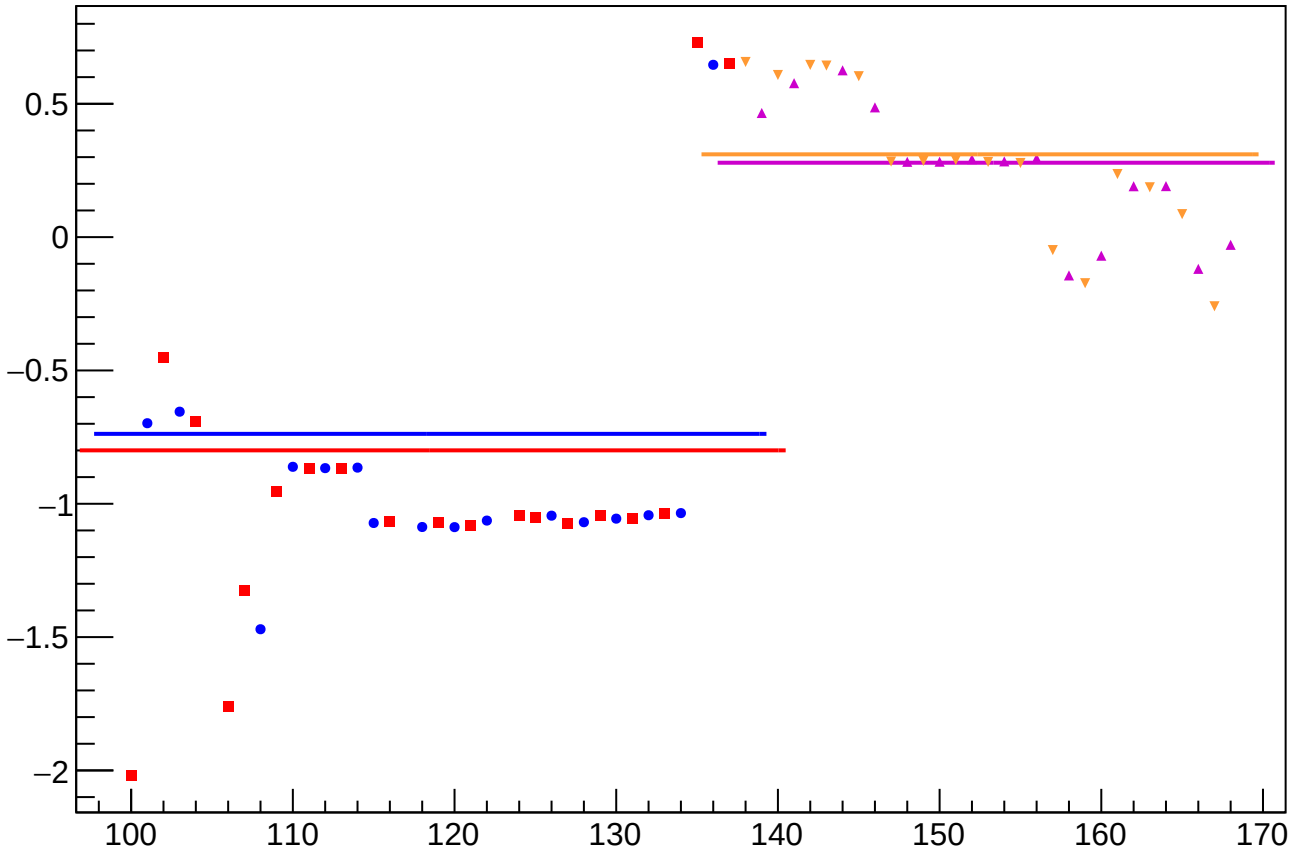
Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3531520.2/14

+ sign 0.012+/-0.000 χ^2/NDF: 5020779.0/31

All: 0.012+/-0.000 χ^2/NDF: 10642183.0/65

- sign 0.012+/-0.000 χ^2/NDF: 5594766.6/33



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.311+/-0.000 χ^2/NDF:675728092.8/15

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

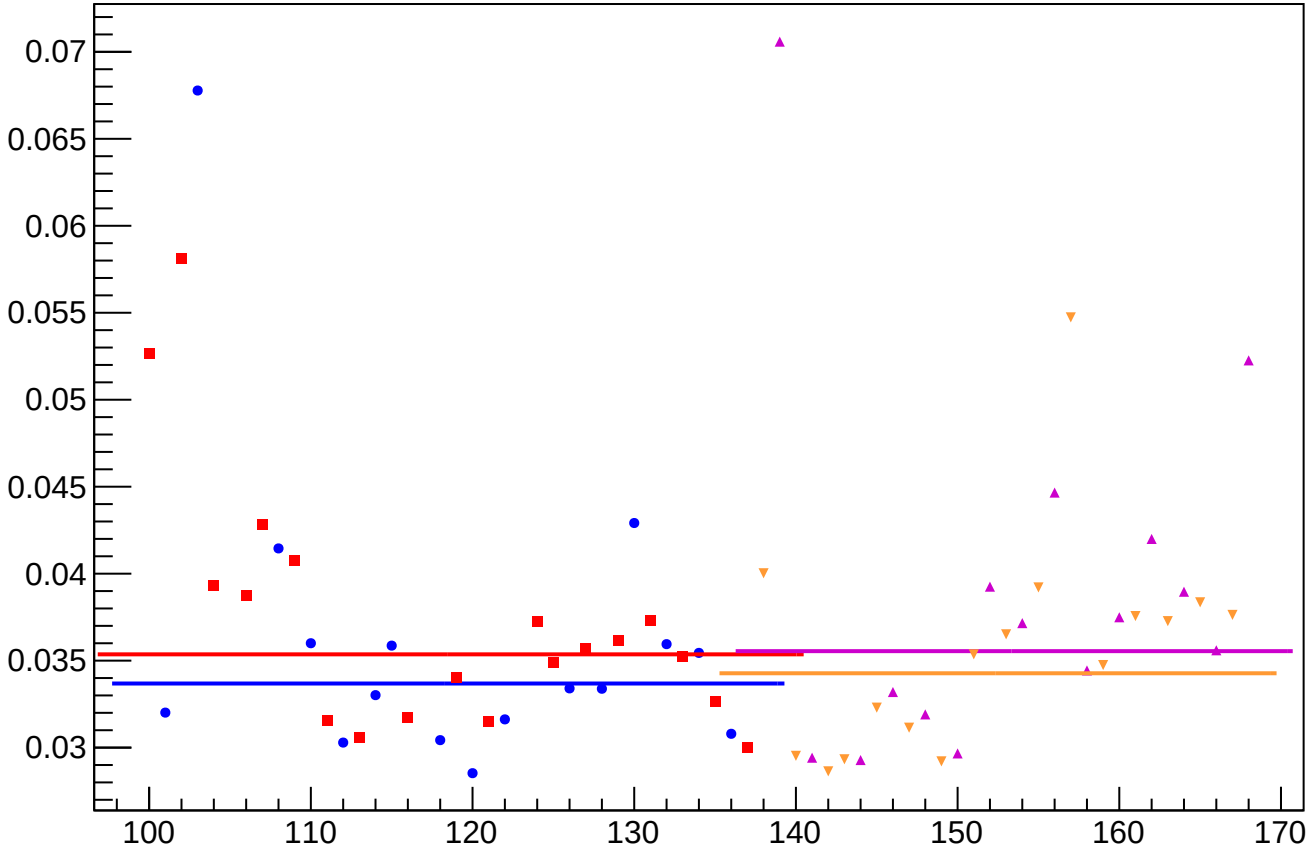
Left In: 0.279+/-0.000 χ^2/NDF:501045750.6/14

+ sign -0.086+/-0.000 χ^2/NDF: 6545035962.5/31

All: -0.108+/-0.000 χ^2/NDF: 12674696806.3/

- sign -0.131+/-0.000 χ^2/NDF: 6115283824.9/33

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.034+/-0.000 χ^2/NDF:448002.2/15

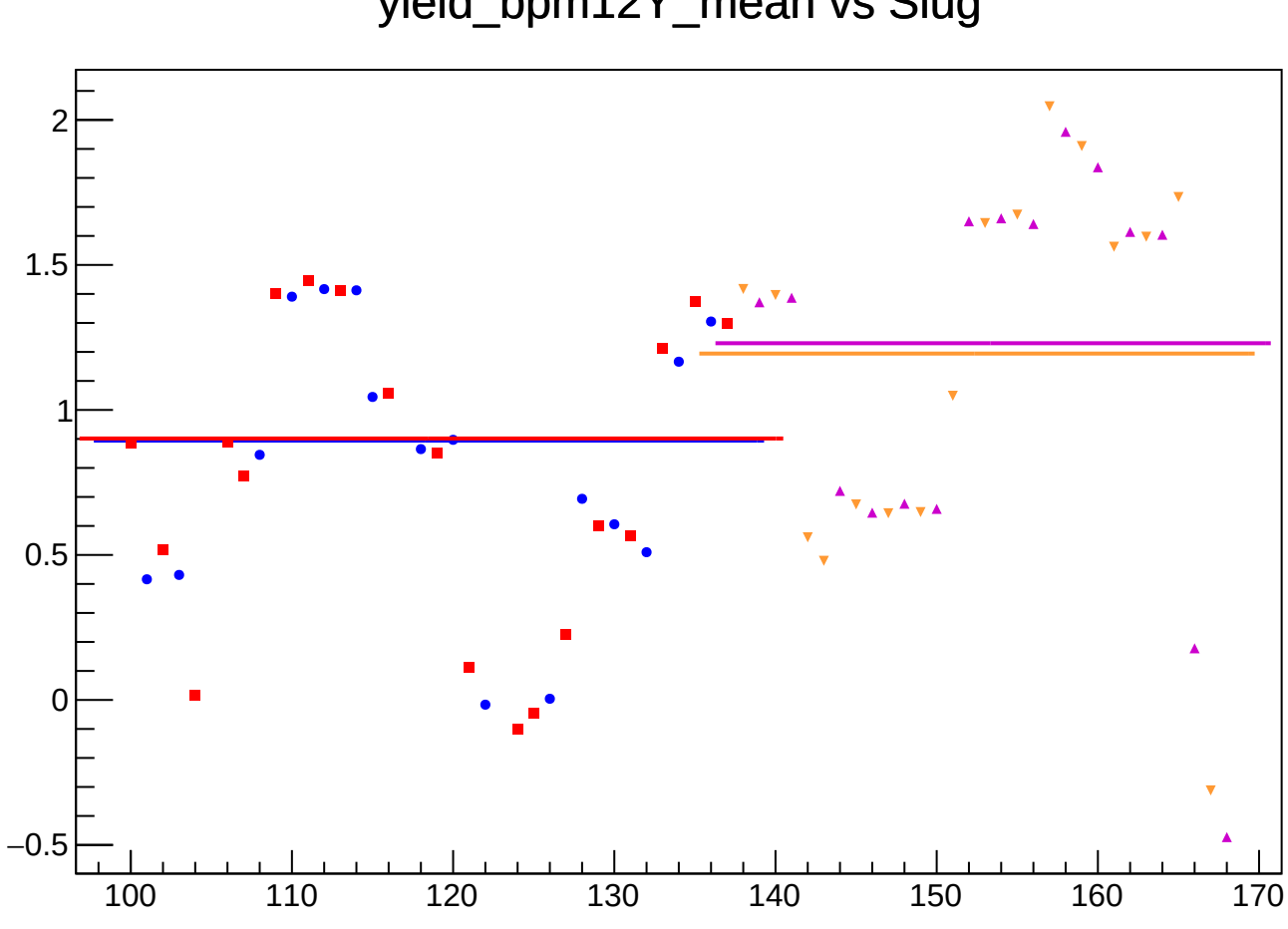
Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.036+/-0.000 χ^2/NDF:912516.5/14

+ sign 0.034+/-0.000 χ^2/NDF: 870626.0/31

All: 0.035+/-0.000 χ^2/NDF: 2108393.9/65

- sign 0.035+/-0.000 χ^2/NDF: 1209087.3/33



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.194+/-0.000 χ^2/NDF:55562039820.0/15

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

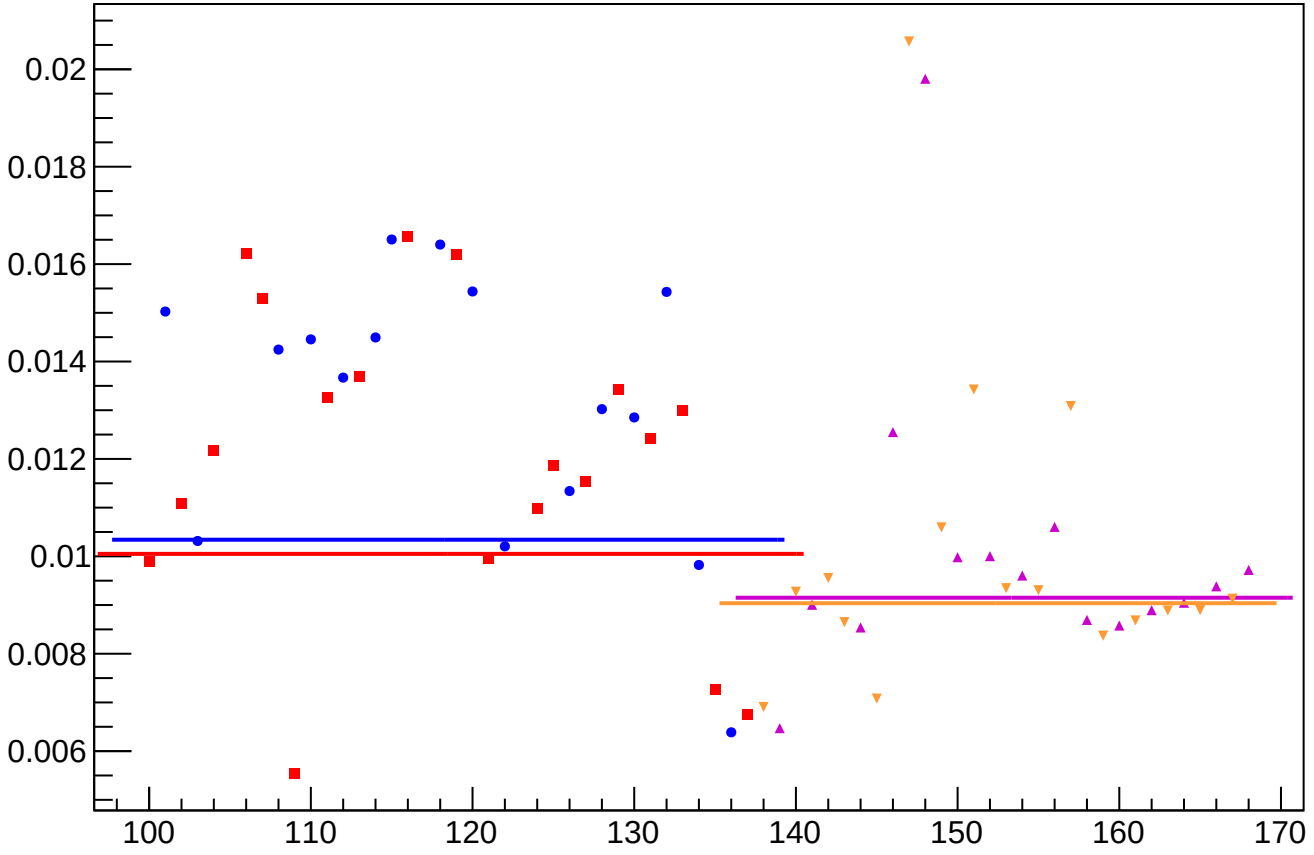
Left In: 1.230+/-0.000 χ^2/NDF:57634637178.1/14

+ sign 1.109+/-0.000 χ^2/NDF: 71908573406.7/31

All: 1.119+/-0.000 χ^2/NDF: 151975638681.8

- sign 1.129+/-0.000 χ^2/NDF: 80028996583.6/33

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:1124010.3/15

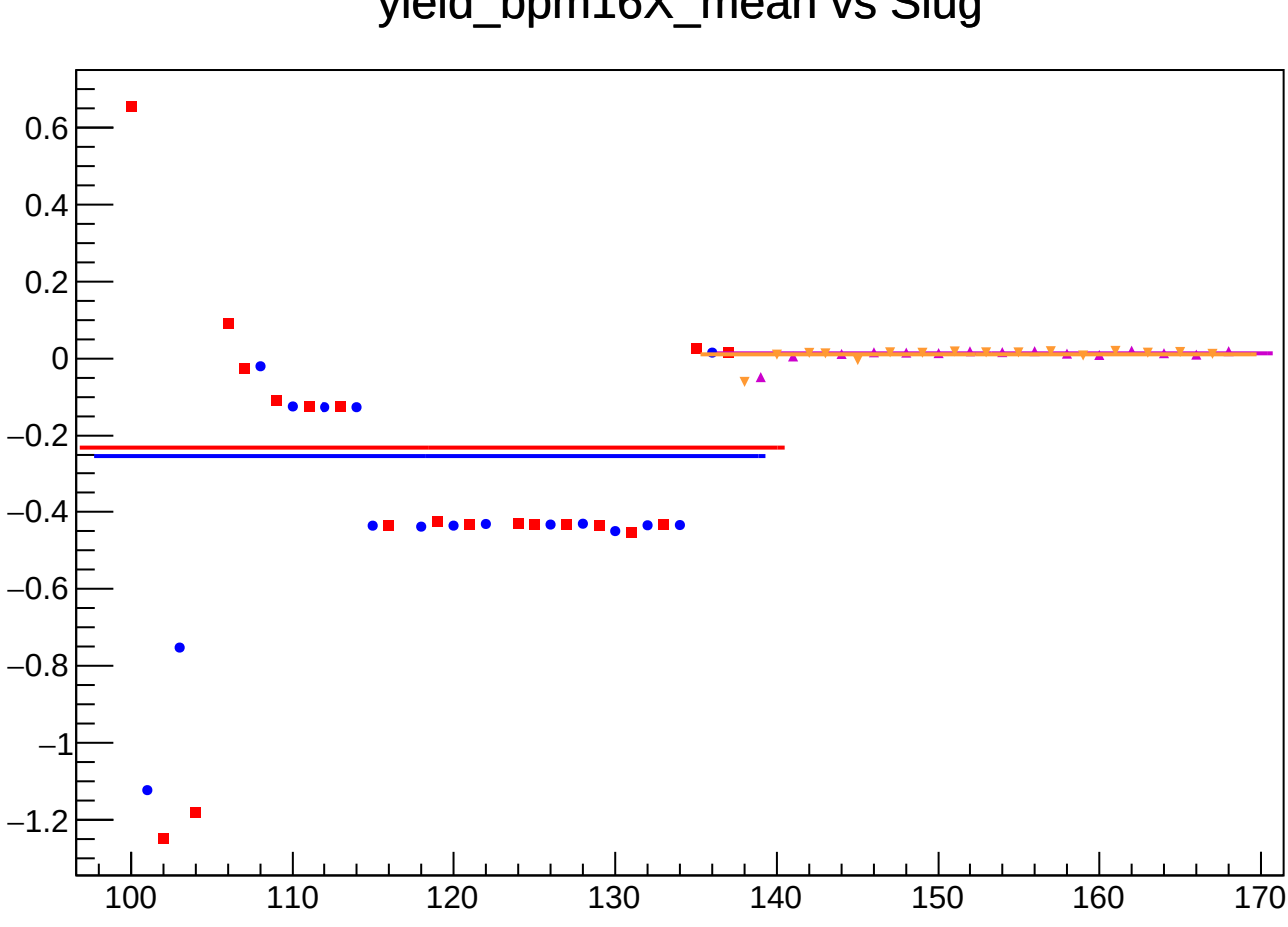
Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:924976.0/14

+ sign 0.009+/-0.000 χ^2/NDF: 2610205.2/31

All: 0.009+/-0.000 χ^2/NDF: 4939732.5/65

- sign 0.009+/-0.000 χ^2/NDF: 2329450.0/33



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:23090514.3/15

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

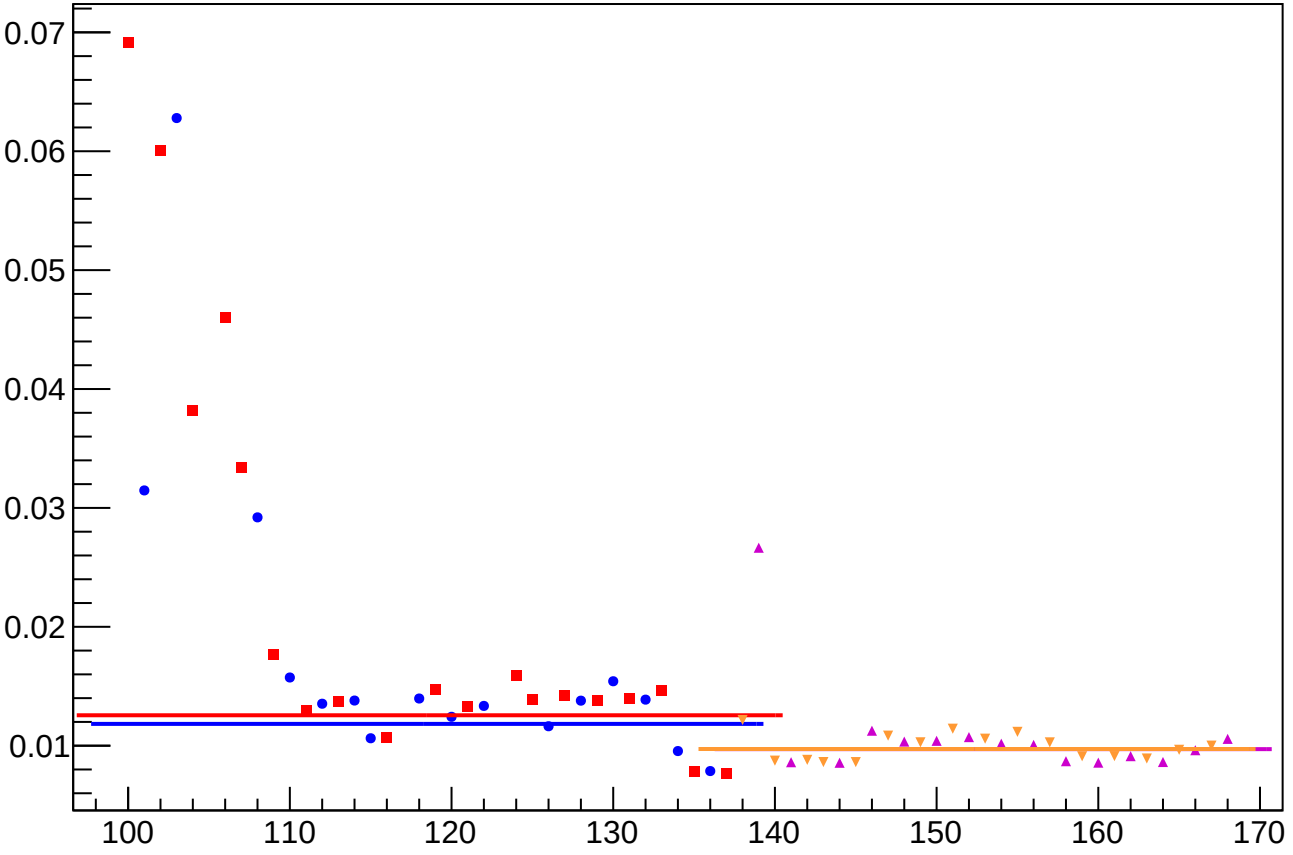
Left In: 0.014+/-0.000 χ^2/NDF:6477907.7/14

+ sign -0.053+/-0.000 χ^2/NDF: 3924496792.6/31

All: -0.048+/-0.000 χ^2/NDF: 7218149981.2/6

- sign -0.042+/-0.000 χ^2/NDF: 3284903579.6/33

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:223287.6/15

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

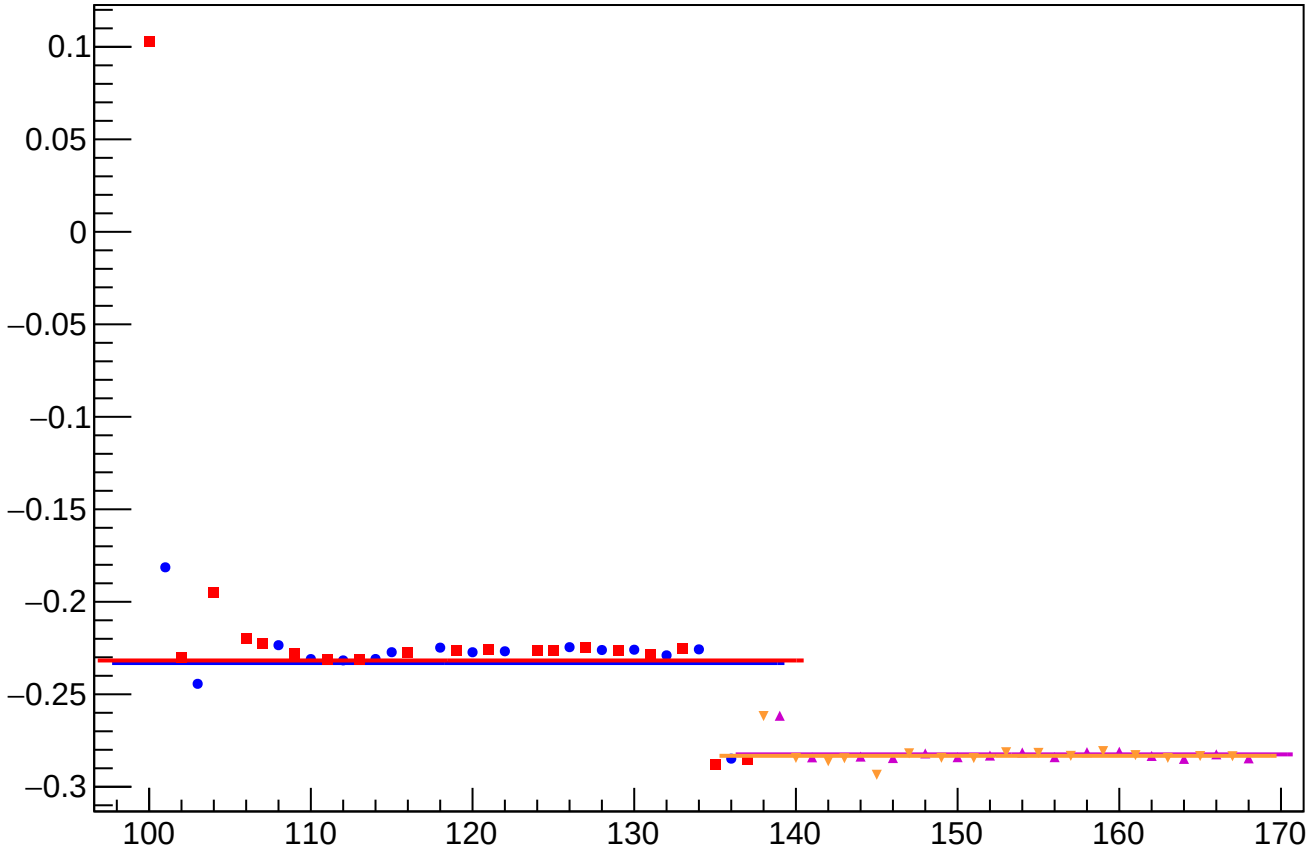
Left In: 0.010+/-0.000 χ^2/NDF:856272.2/14

+ sign 0.010+/-0.000 χ^2/NDF: 2405617.3/31

All: 0.010+/-0.000 χ^2/NDF: 5879538.3/65

- sign 0.010+/-0.000 χ^2/NDF: 3471719.6/33

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.283+/-0.000 χ^2/NDF:15016093.4/15

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

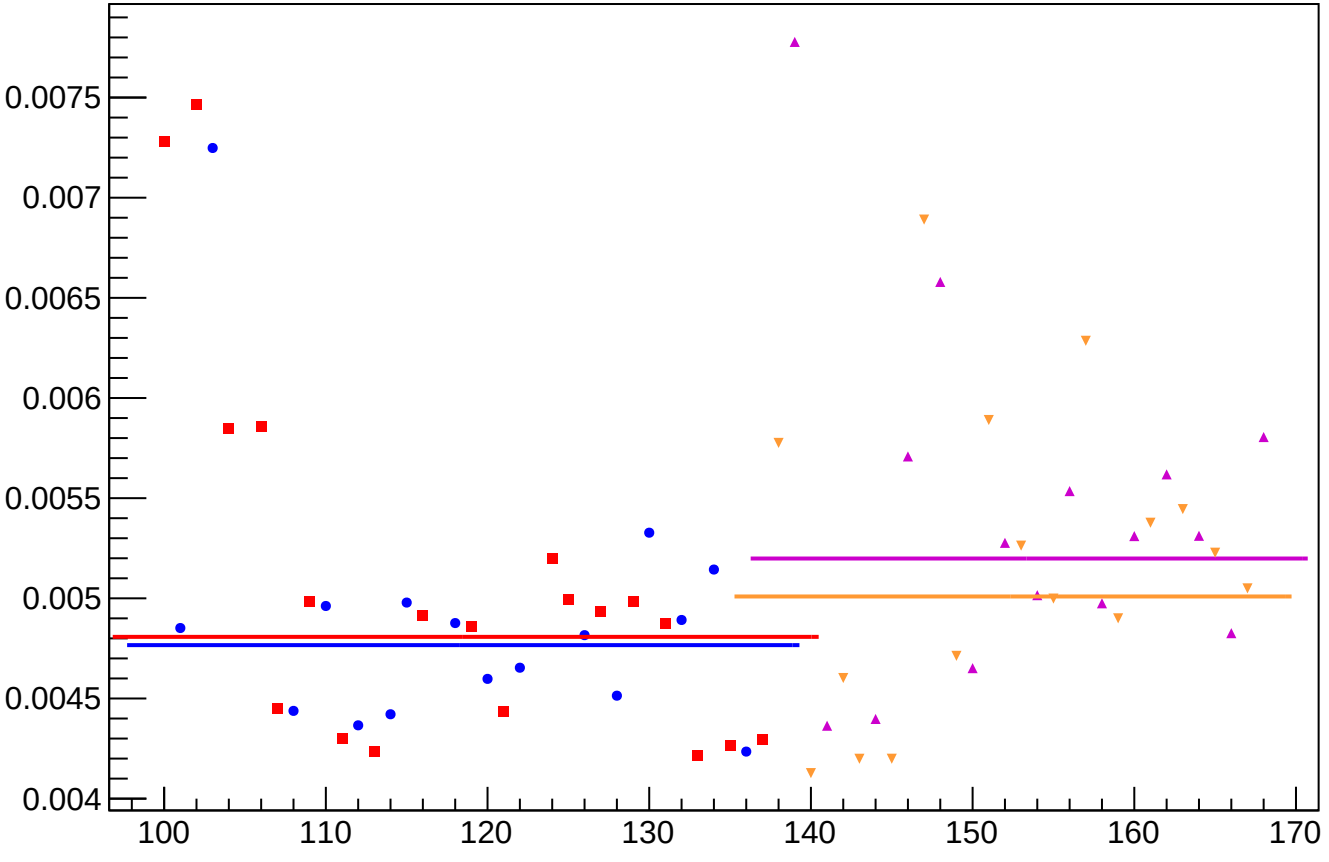
Left In: -0.282+/-0.000 χ^2/NDF:6599543.9/14

+ sign -0.264+/-0.000 χ^2/NDF: 655976660.0/31

All: -0.263+/-0.000 χ^2/NDF: 1396554891.1/6

- sign -0.262+/-0.000 χ^2/NDF: 738685848.6/33

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:453218.0/15

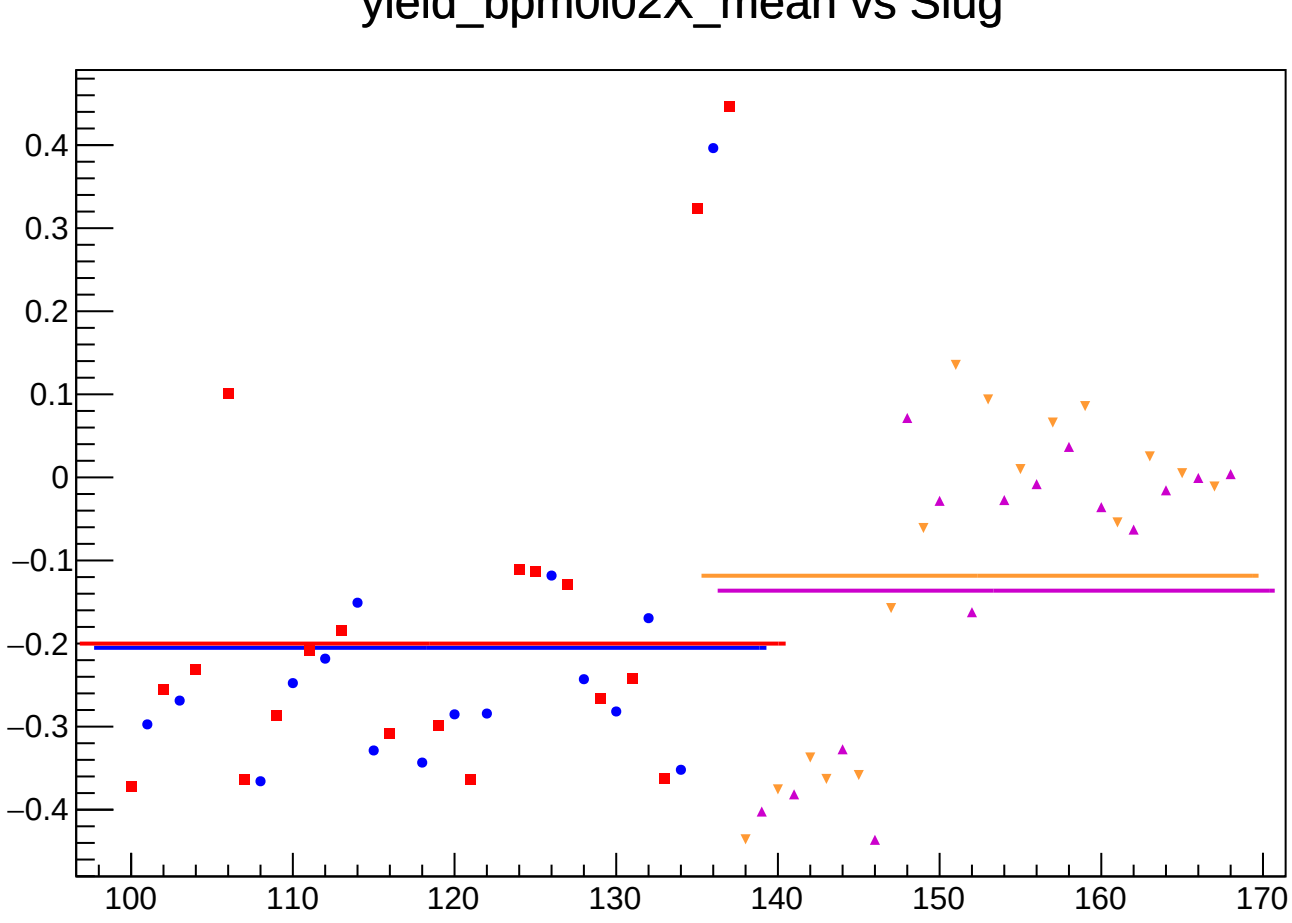
Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:442801.3/14

+ sign 0.005+/-0.000 χ^2/NDF: 665704.5/31

All: 0.005+/-0.000 χ^2/NDF: 1466174.6/65

- sign 0.005+/-0.000 χ^2/NDF: 789342.1/33



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.118+/-0.000 χ^2/NDF:15083258668.6/15

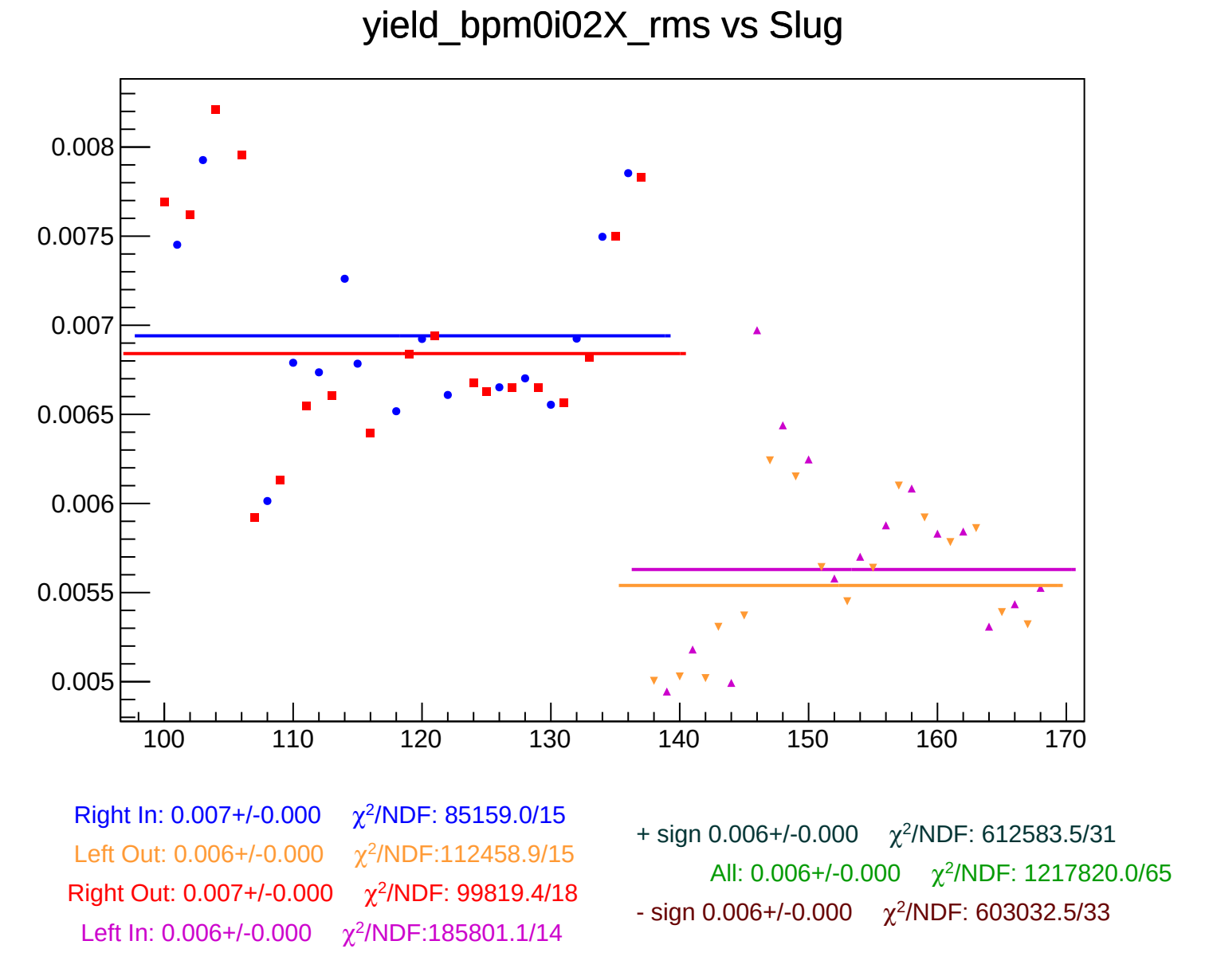
Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

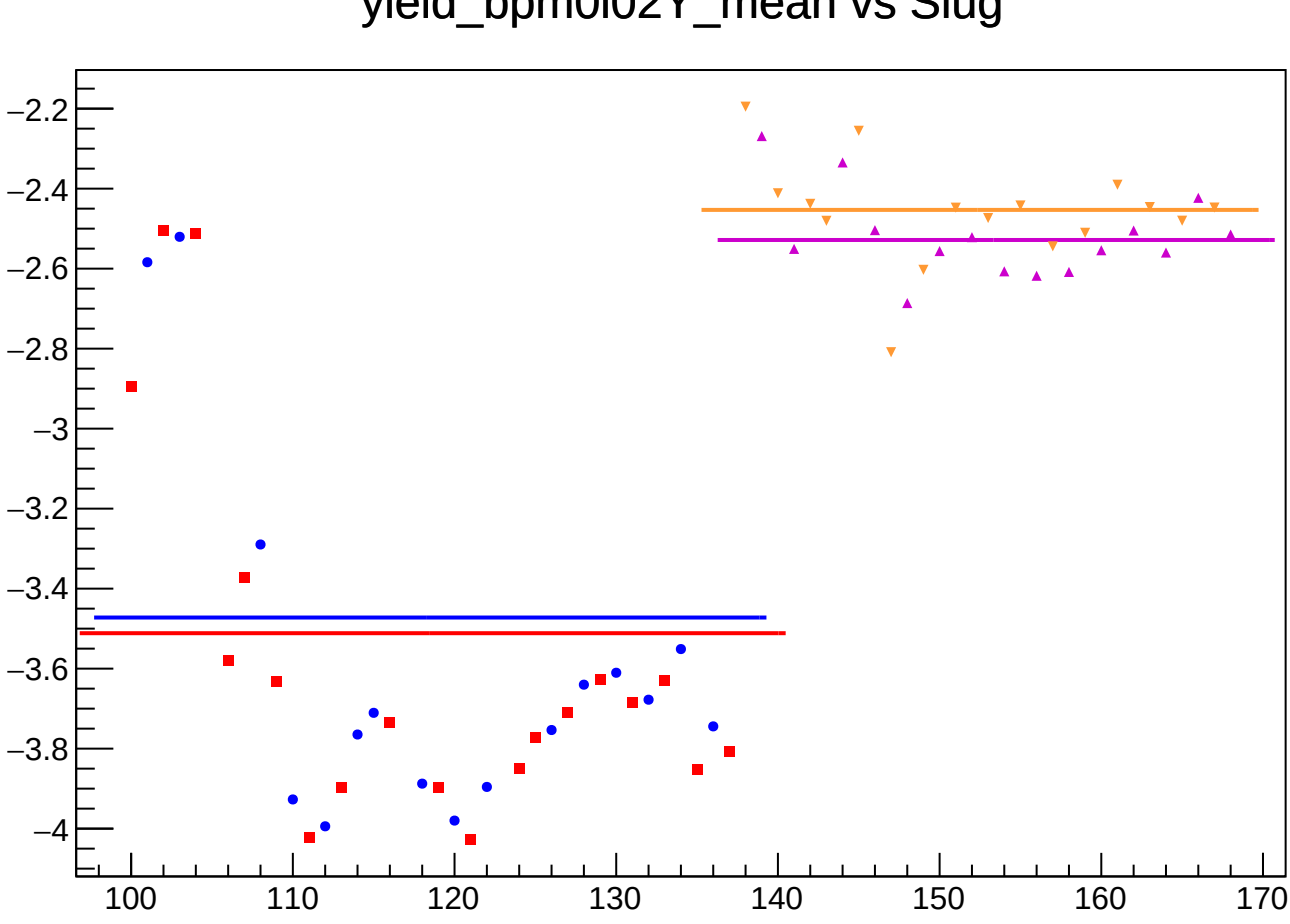
Left In: -0.136+/-0.000 χ^2/NDF:10763730675.5/14

+ sign -0.142+/-0.000 χ^2/NDF: 22068311070.5/31

All: -0.149+/-0.000 χ^2/NDF: 38565420276.4/

- sign -0.155+/-0.000 χ^2/NDF: 16452491955.5/33


yield_bpm0i02X_rms vs Slug
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
100
110
120
130
140
150
160
170
Right In: 0.007+/-0.000 χ²/NDF: 85159.0/15
Left Out: 0.006+/-0.000 χ²/NDF:112458.9/15
Right Out: 0.007+/-0.000 χ²/NDF: 99819.4/18
Left In: 0.006+/-0.000 χ²/NDF:185801.1/14
+ sign 0.006+/-0.000 χ²/NDF: 612583.5/31
All: 0.006+/-0.000 χ²/NDF: 1217820.0/65
- sign 0.006+/-0.000 χ²/NDF: 603032.5/33



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.453+/-0.000 χ^2/NDF:1630804982.5/15

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

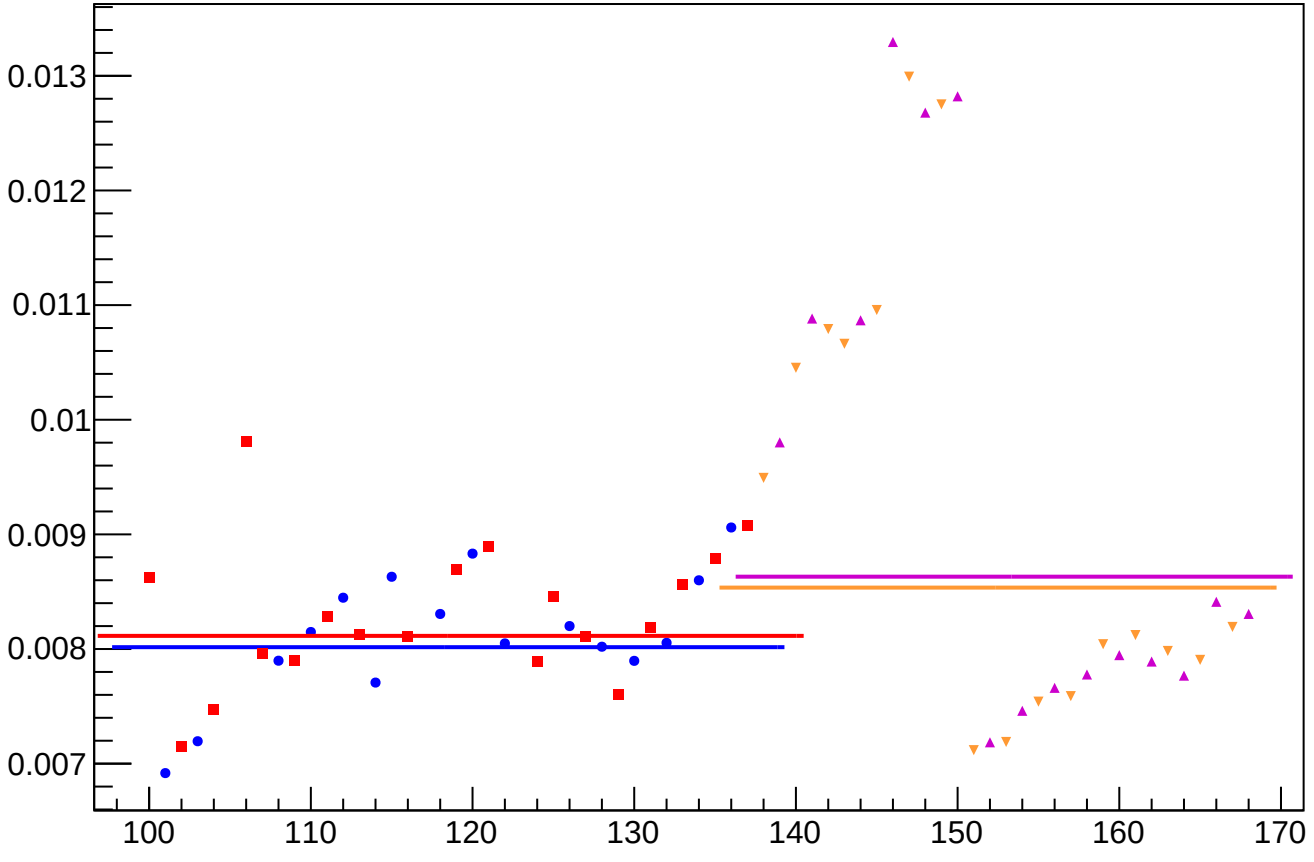
Left In: -2.528+/-0.000 χ^2/NDF:1393051147.9/14

+ sign -2.869+/-0.000 χ^2/NDF: 98051764707.3/31

All: -2.903+/-0.000 χ^2/NDF: 190702359794.9

- sign -2.938+/-0.000 χ^2/NDF: 92030434568.9/33

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:746322.8/15

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

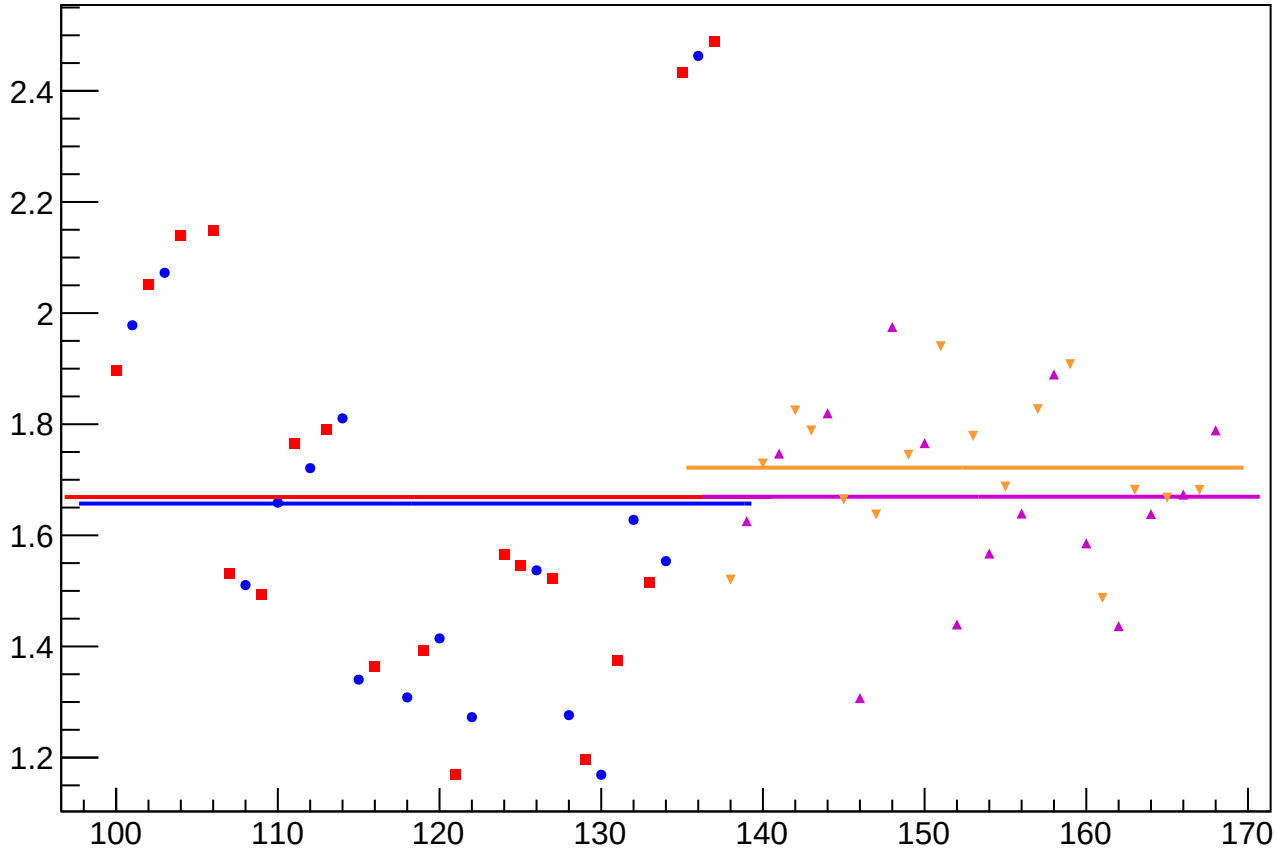
Left In: 0.009+/-0.000 χ^2/NDF:848366.2/14

+ sign 0.008+/-0.000 χ^2/NDF: 867315.9/31

All: 0.008+/-0.000 χ^2/NDF: 1822614.2/65

- sign 0.008+/-0.000 χ^2/NDF: 953057.6/33

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.722+/-0.000 χ^2/NDF:1314618229.5/15

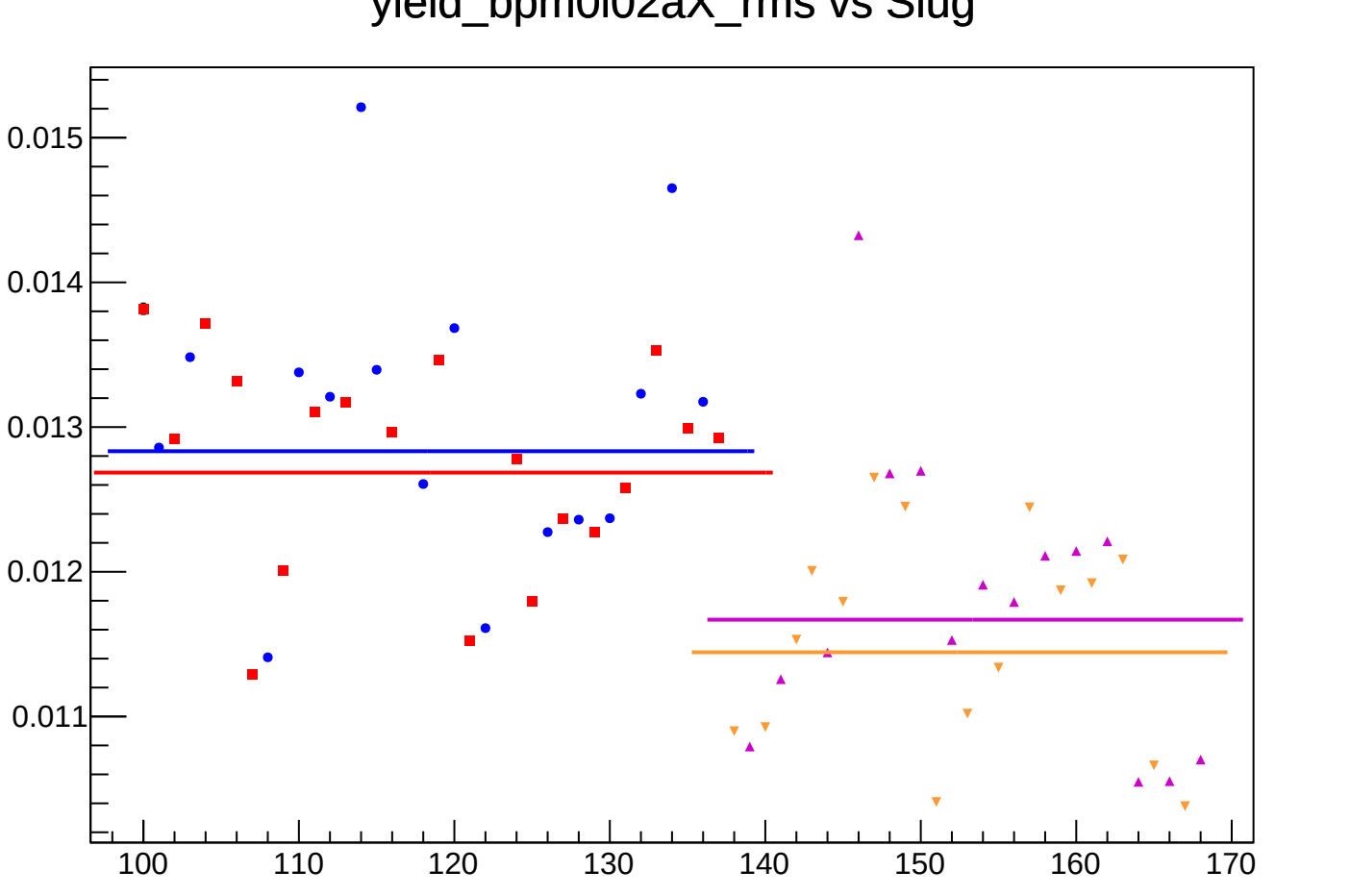
Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.670+/-0.000 χ^2/NDF:2254789980.2/14

+ sign 1.701+/-0.000 χ^2/NDF: 8101760931.5/31

All: 1.685+/-0.000 χ^2/NDF: 16780681251.0/6

- sign 1.669+/-0.000 χ^2/NDF: 8612389239.1/33



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:95450.2/15

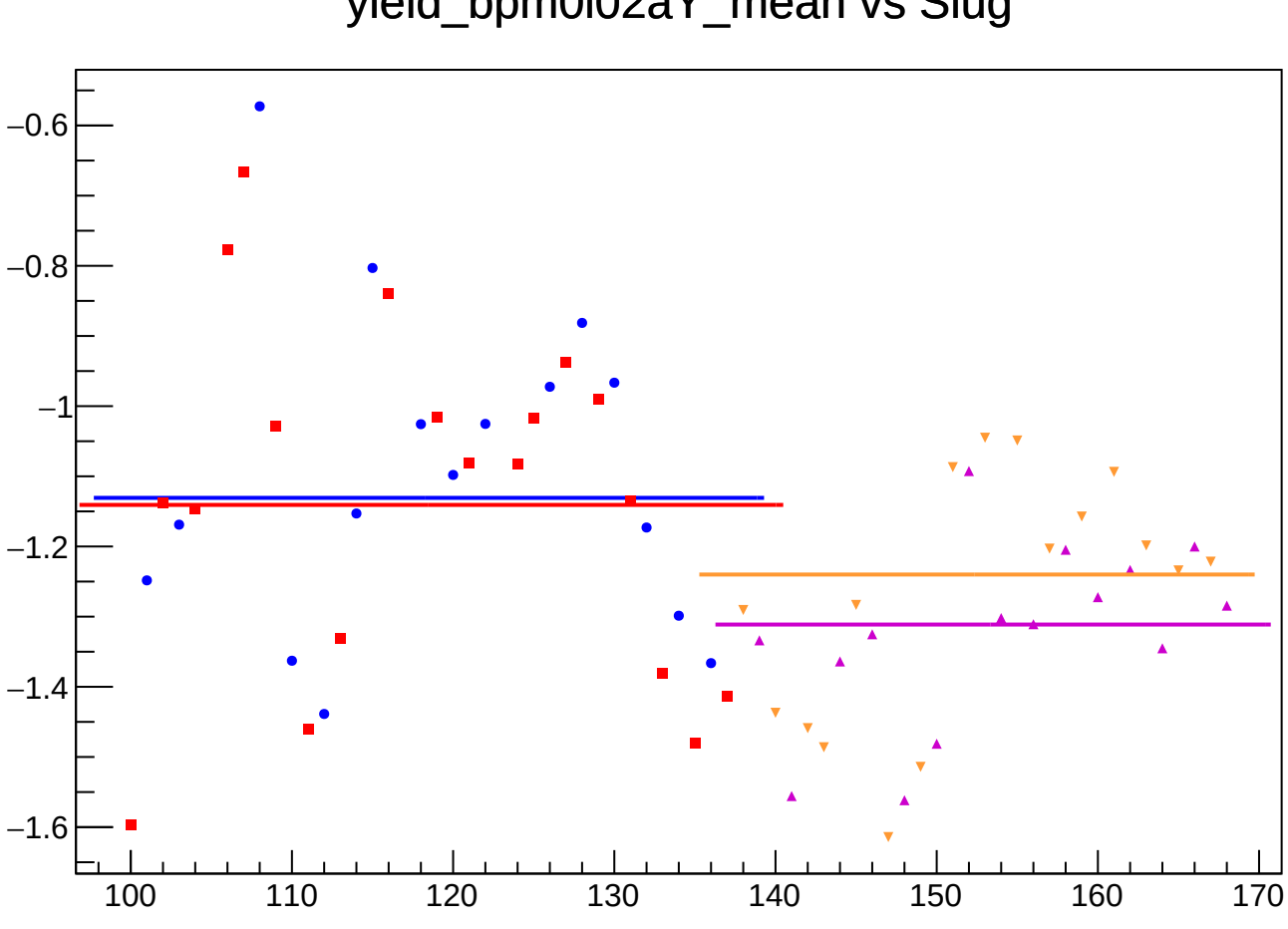
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:136304.8/14

+ sign 0.012+/-0.000 χ^2/NDF: 259879.0/31

All: 0.012+/-0.000 χ^2/NDF: 502408.6/65

- sign 0.012+/-0.000 χ^2/NDF: 240230.4/33



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.240+/-0.000 χ^2/NDF:4379605424.1/15

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

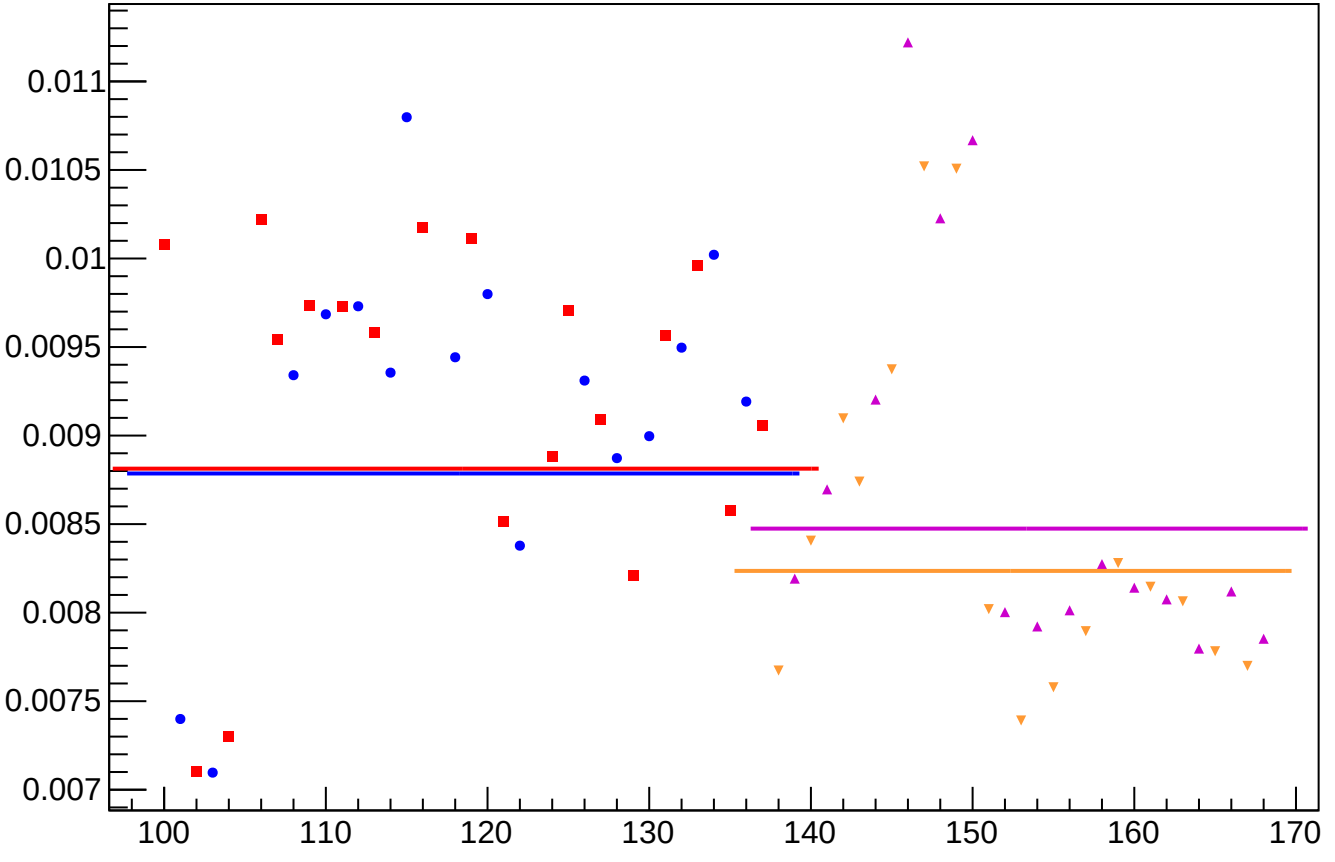
Left In: -1.311+/-0.000 χ^2/NDF:2274519128.7/14

+ sign -1.203+/-0.000 χ^2/NDF: 8866246564.6/31

All: -1.226+/-0.000 χ^2/NDF: 16632550907.5/

- sign -1.250+/-0.000 χ^2/NDF: 7481710230.3/33

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:220702.1/15

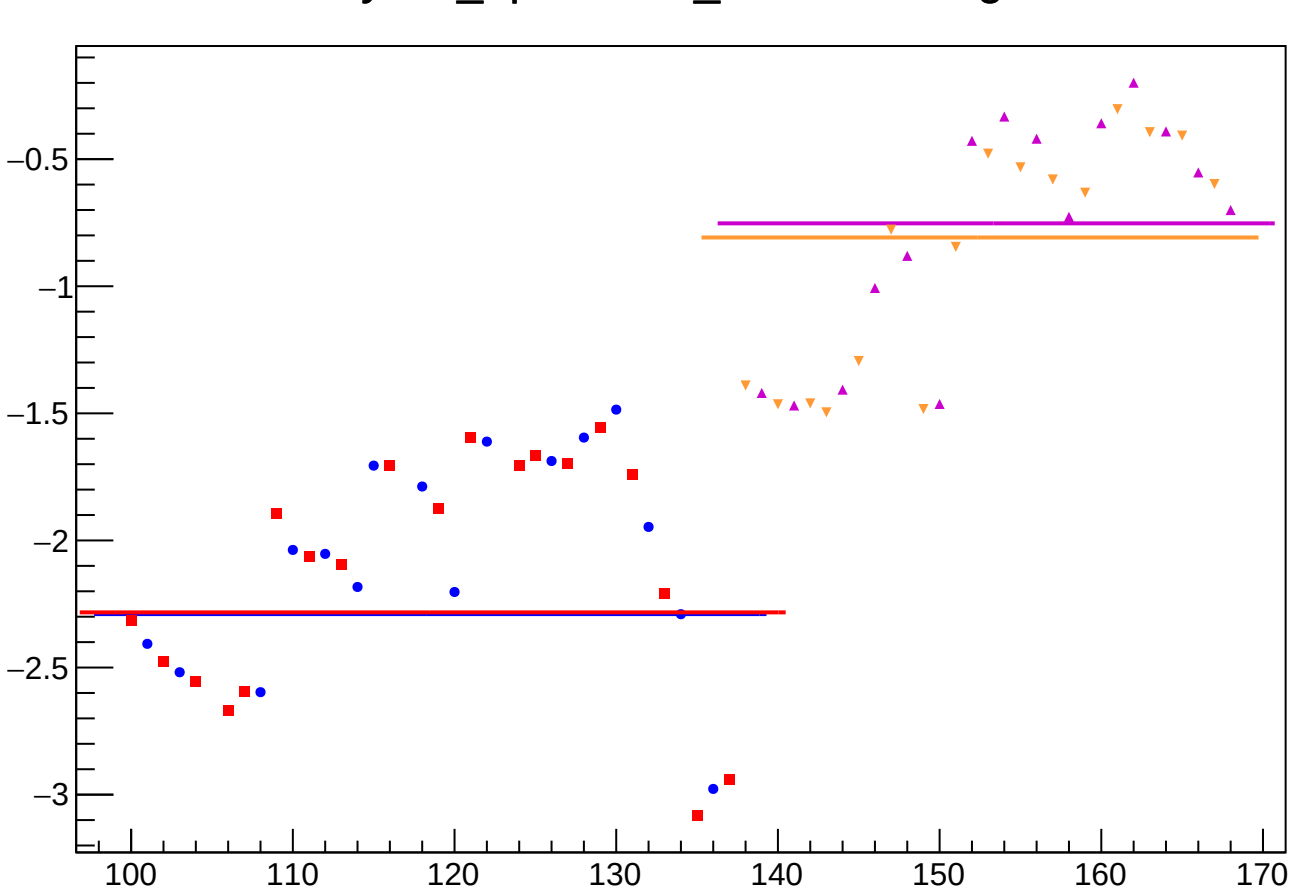
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:251467.7/14

+ sign 0.008+/-0.000 χ^2/NDF: 429503.2/31

All: 0.009+/-0.000 χ^2/NDF: 906061.6/65

- sign 0.009+/-0.000 χ^2/NDF: 469026.2/33



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.808+/-0.000 χ^2/NDF:32352573413.0/15

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

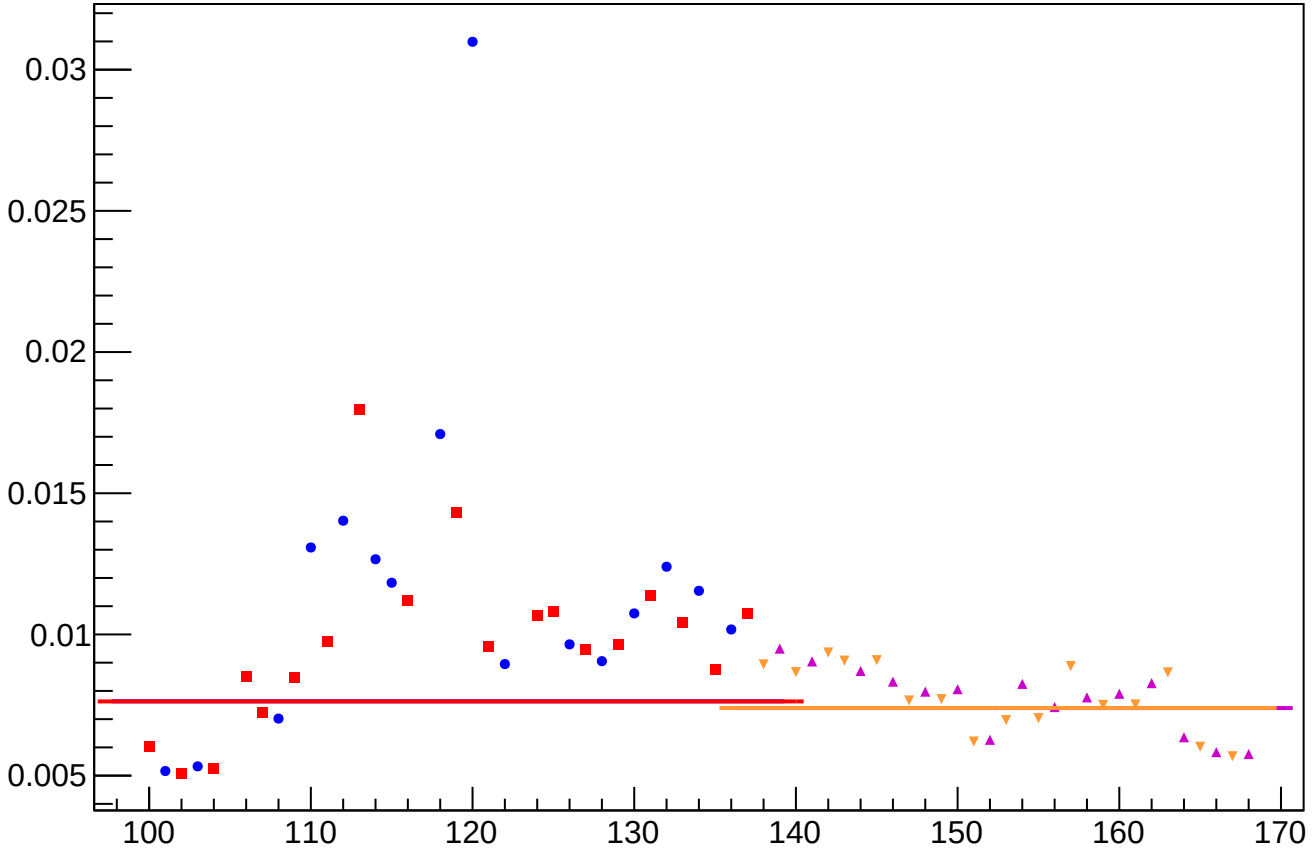
Left In: -0.753+/-0.000 χ^2/NDF:32553480862.1/14

+ sign -1.269+/-0.000 χ^2/NDF: 179532513430.3/31

All: -1.265+/-0.000 χ^2/NDF: 378221615961.8

- sign -1.260+/-0.000 χ^2/NDF: 198678908667.9/33

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:534096.8/15

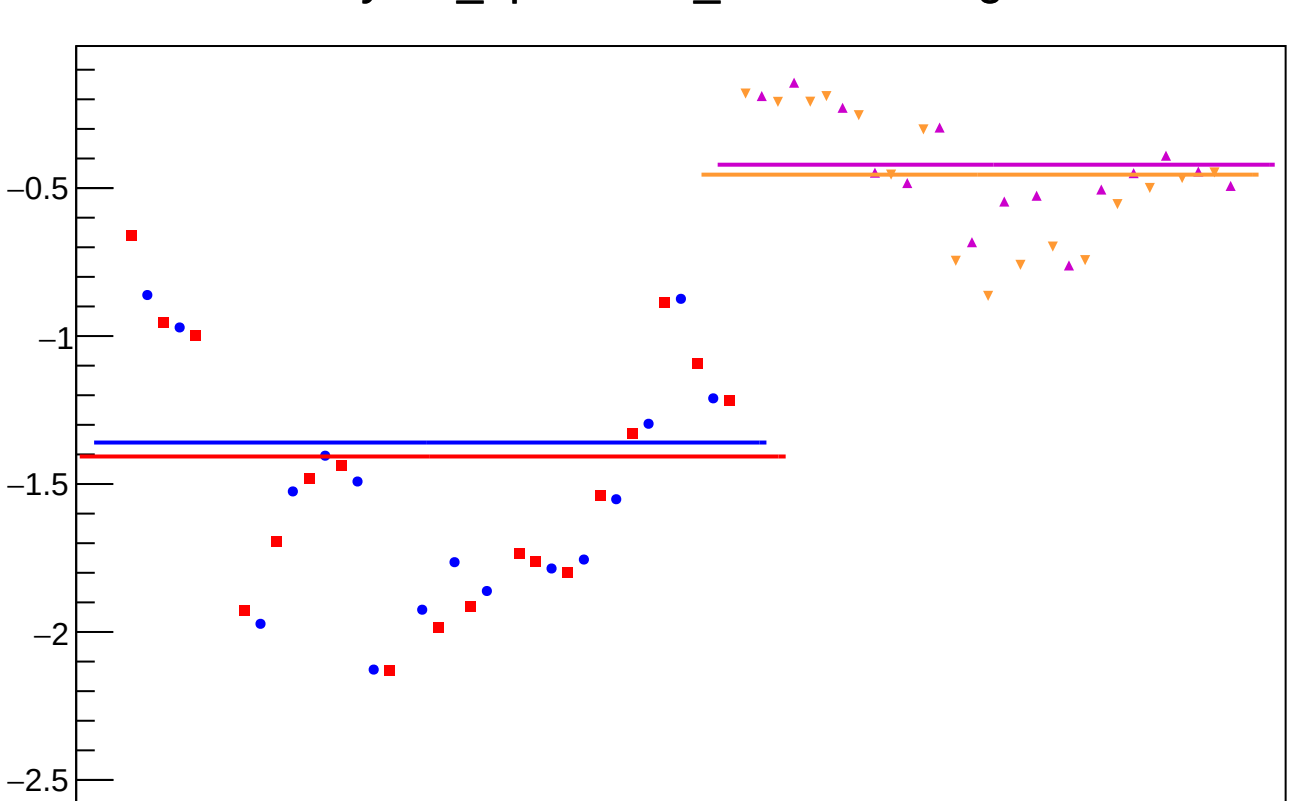
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:530017.4/14

+ sign 0.007+/-0.000 χ^2/NDF: 2251614.0/31

All: 0.007+/-0.000 χ^2/NDF: 4106399.4/65

- sign 0.007+/-0.000 χ^2/NDF: 1854785.3/33



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.455+/-0.000 χ^2/NDF:27896143681.1/15

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

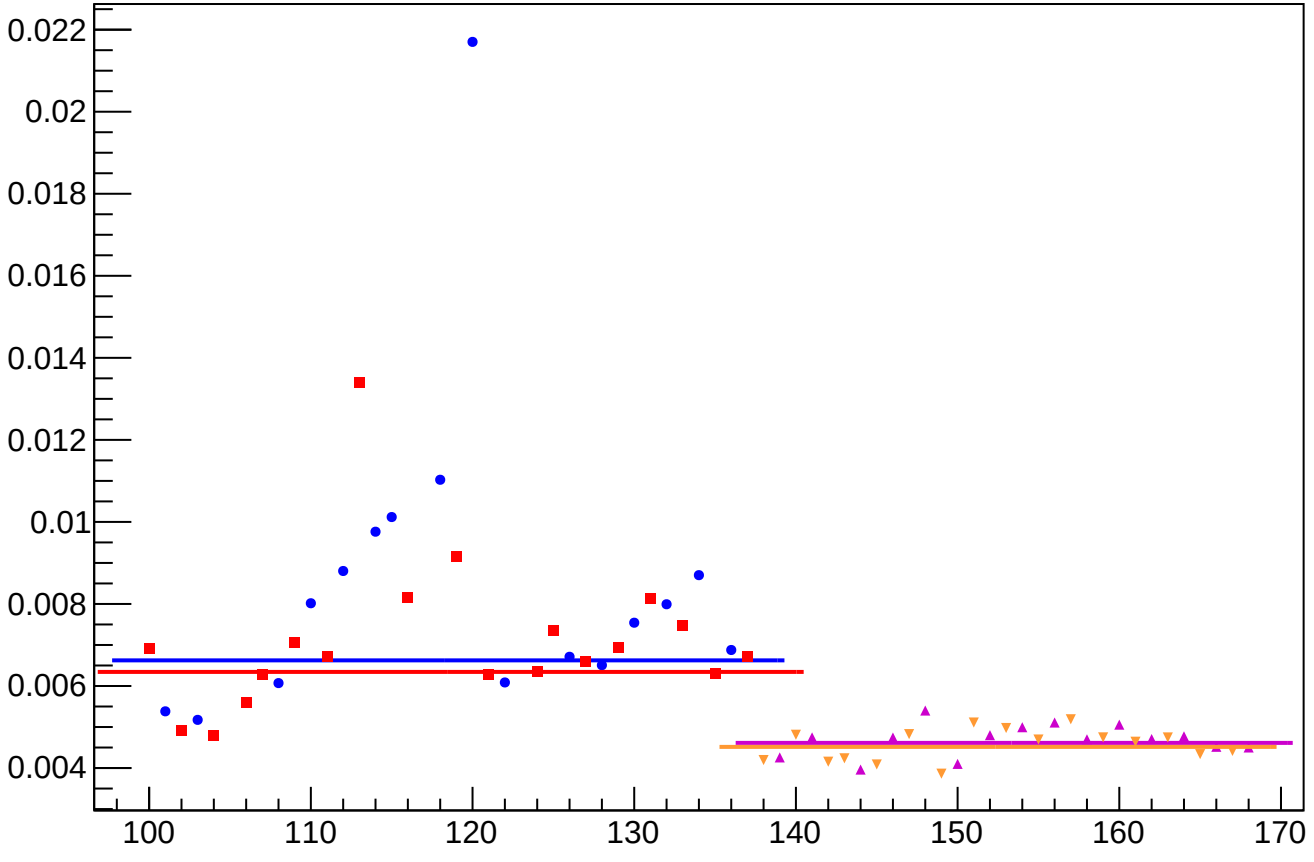
Left In: -0.421+/-0.000 χ^2/NDF:15747319954.9/14

+ sign -0.629+/-0.000 χ^2/NDF: 136628706637.2/31

All: -0.637+/-0.000 χ^2/NDF: 296626195012.5

- sign -0.644+/-0.000 χ^2/NDF: 159918569153.8/33

yield_bpm0i05Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:157853.2/15

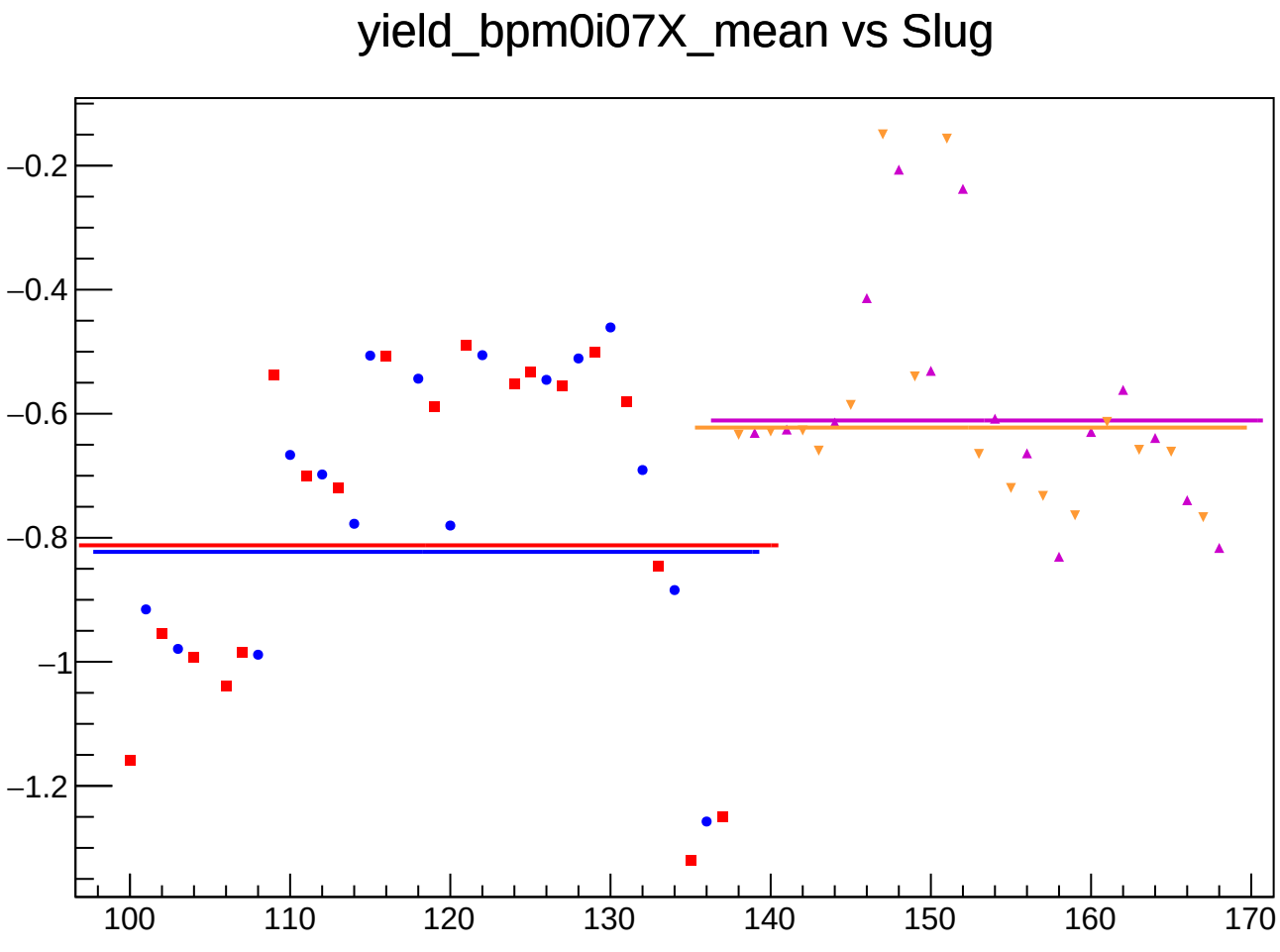
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:150631.6/14

+ sign 0.005+/-0.000 χ^2/NDF: 1798919.5/31

All: 0.005+/-0.000 χ^2/NDF: 3187577.2/65

- sign 0.005+/-0.000 χ^2/NDF: 1384011.5/33



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.622+/-0.000 χ^2/NDF:16145928921.2/15

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

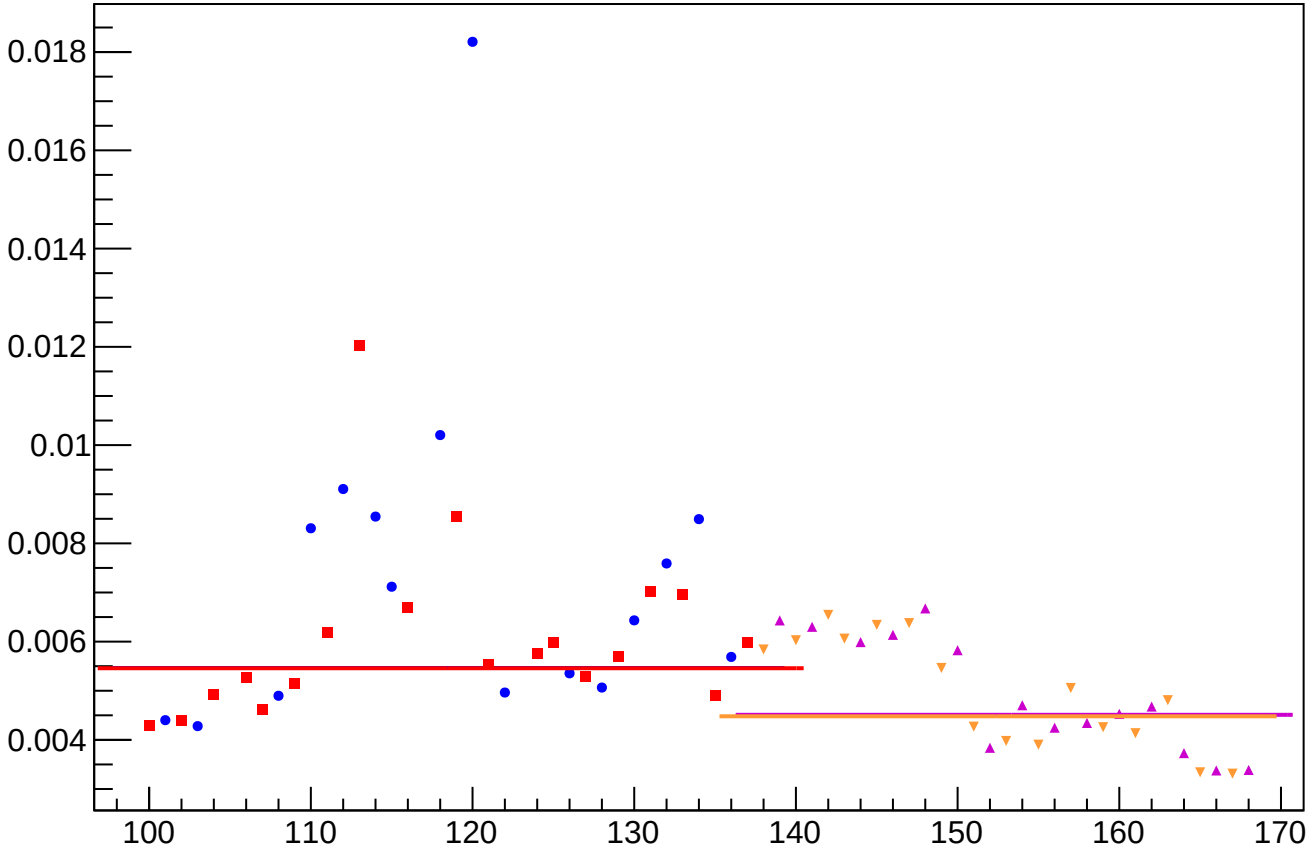
Left In: -0.611+/-0.000 χ^2/NDF:17314373792.6/14

+ sign -0.675+/-0.000 χ^2/NDF: 33850990338.7/31

All: -0.671+/-0.000 χ^2/NDF: 71865967581.7/

- sign -0.668+/-0.000 χ^2/NDF: 37998293840.3/33

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:1065294.1/15

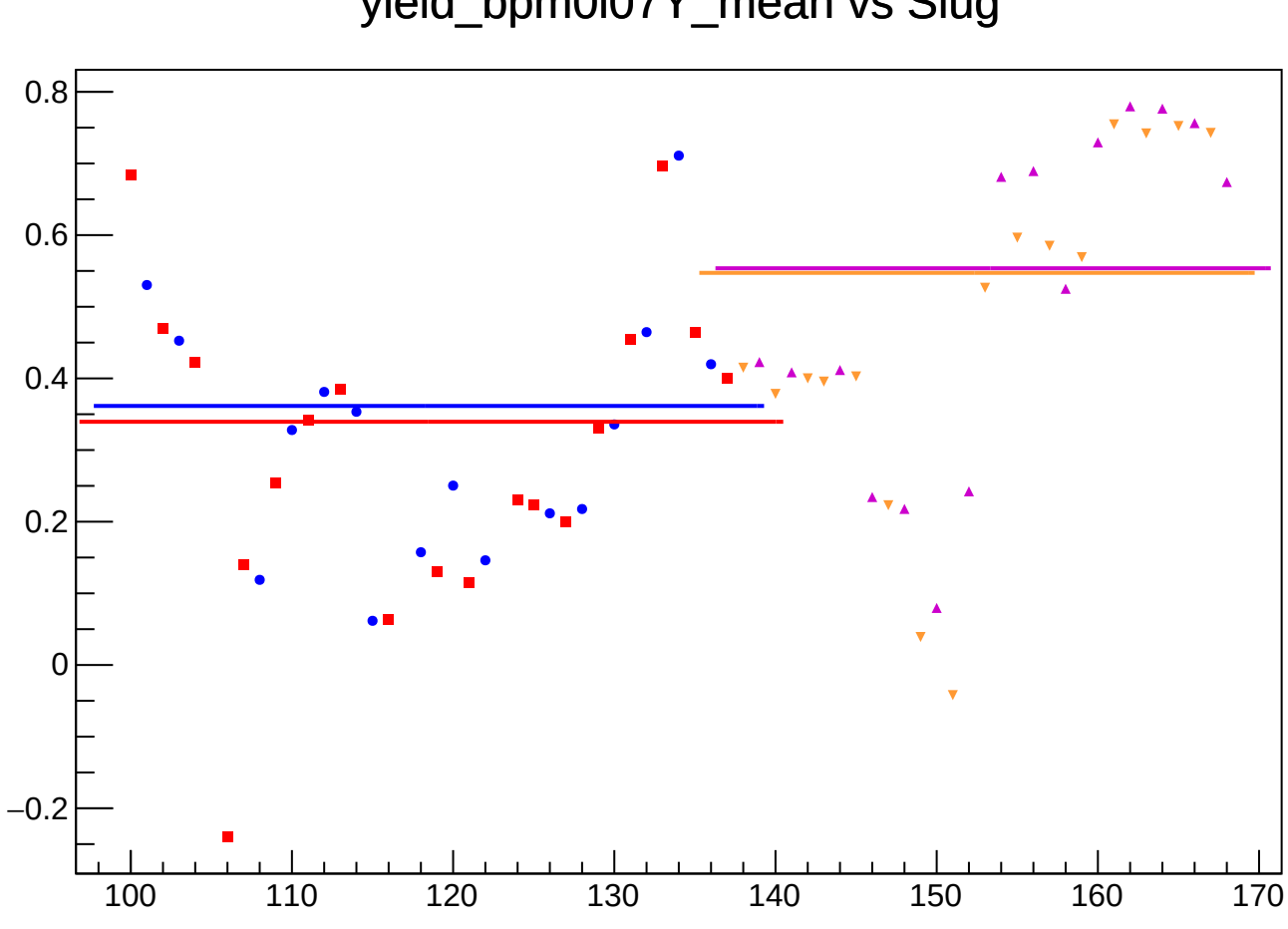
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:1122947.1/14

+ sign 0.005+/-0.000 χ^2/NDF: 2290404.3/31

All: 0.005+/-0.000 χ^2/NDF: 4182389.0/65

- sign 0.005+/-0.000 χ^2/NDF: 1890773.3/33



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.547+/-0.000 χ^2/NDF:37583202816.3/15

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

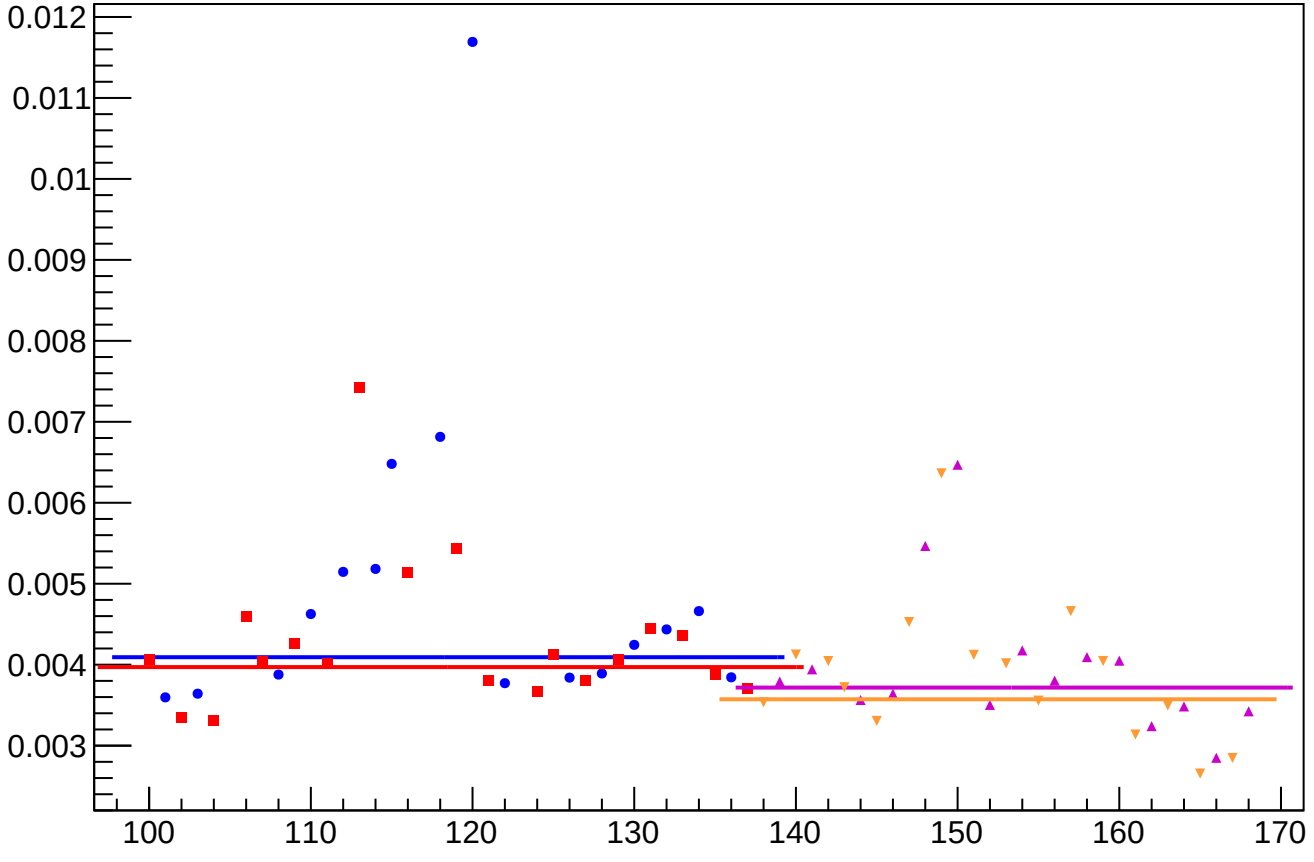
Left In: 0.554+/-0.000 χ^2/NDF:32144638857.8/14

+ sign 0.487+/-0.000 χ^2/NDF: 54903977460.8/31

All: 0.481+/-0.000 χ^2/NDF: 111050653265.5

- sign 0.476+/-0.000 χ^2/NDF: 56068493453.3/33

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:738635.1/15

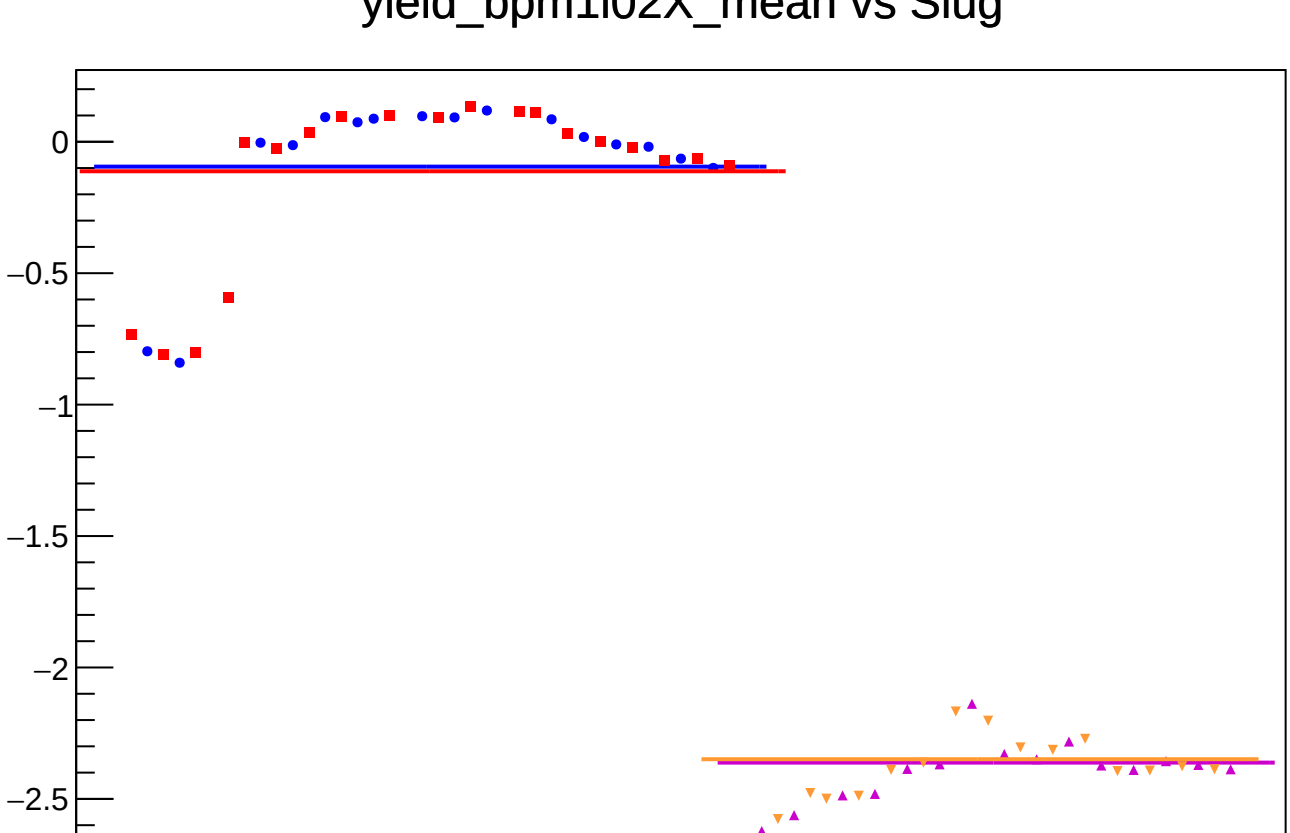
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:583004.7/14

+ sign 0.004+/-0.000 χ^2/NDF: 1364204.3/31

All: 0.004+/-0.000 χ^2/NDF: 2299372.4/65

- sign 0.004+/-0.000 χ^2/NDF: 929820.2/33



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.349+/-0.000 χ^2/NDF:1671818904.0/15

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

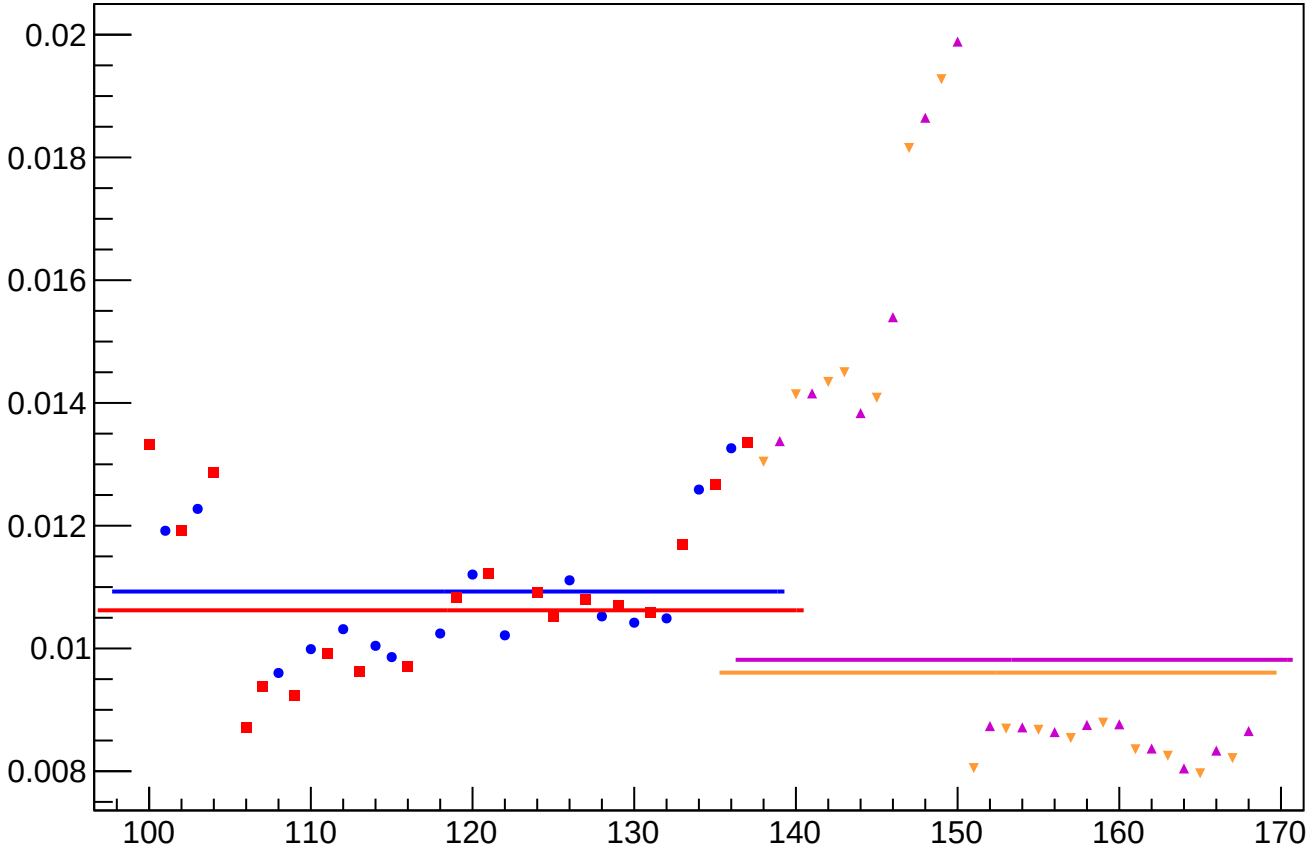
Left In: -2.362+/-0.000 χ^2/NDF:1291211906.3/14

+ sign -1.623+/-0.000 χ^2/NDF: 212712058553.3/31

All: -1.593+/-0.000 χ^2/NDF: 433668997125.5

- sign -1.562+/-0.000 χ^2/NDF: 220612148655.9/33

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:1821152.7/15

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

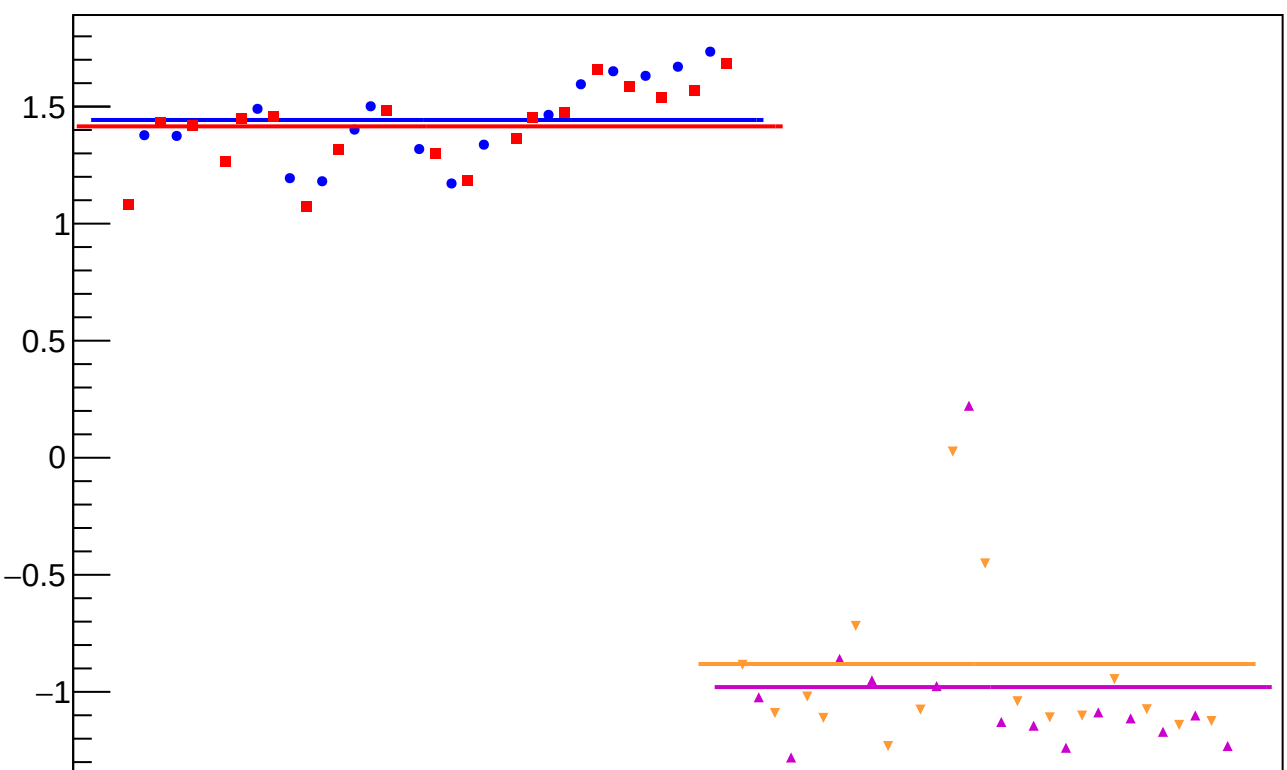
Left In: 0.010+/-0.000 χ^2/NDF:1809665.9/14

+ sign 0.010+/-0.000 χ^2/NDF: 2098958.4/31

All: 0.010+/-0.000 χ^2/NDF: 4154823.2/65

- sign 0.010+/-0.000 χ^2/NDF: 2054946.3/33

yield_bpm1i02Y_mean vs Slug



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.881+/-0.000 χ^2/NDF:30199124857.0/15

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

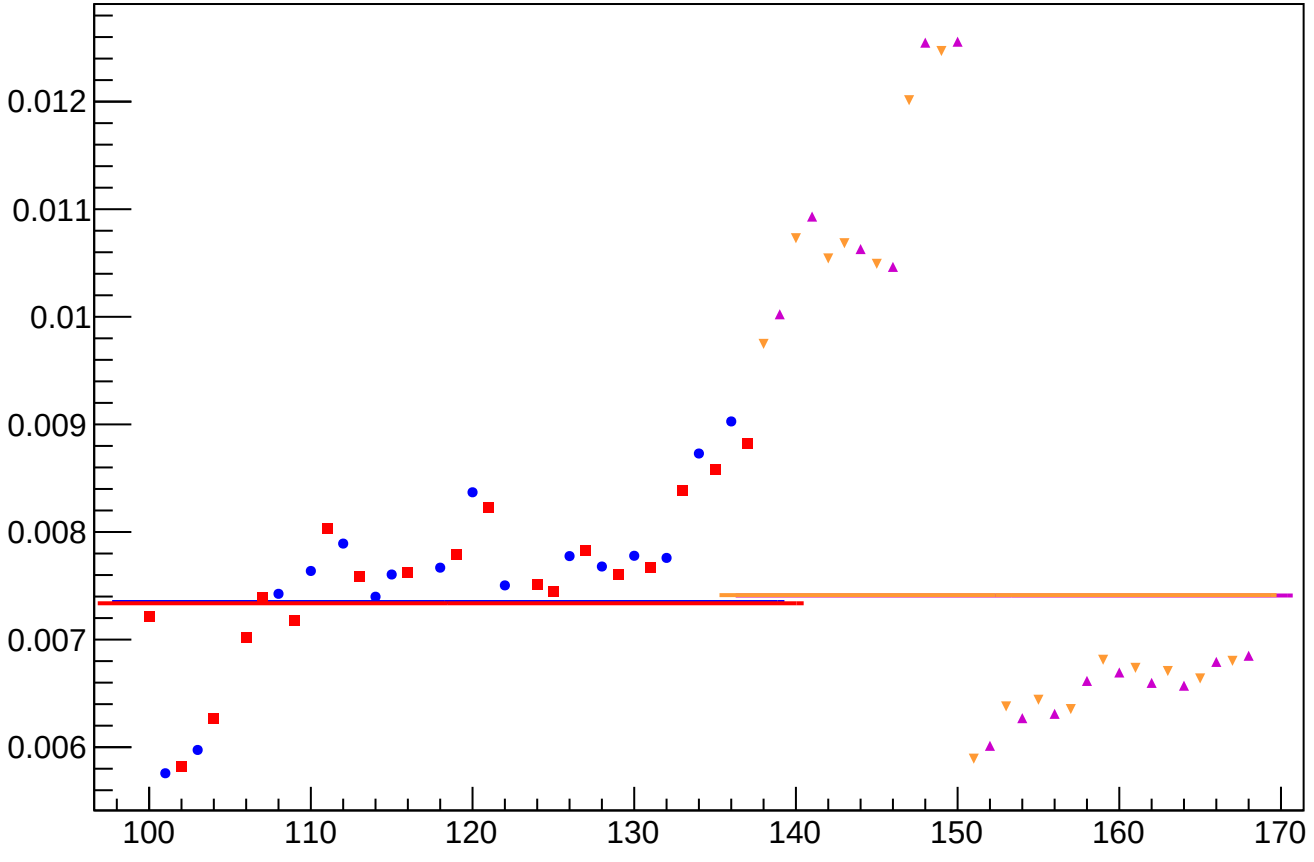
Left In: -0.980+/-0.000 χ^2/NDF:40986868132.2/14

+ sign -0.001+/-0.000 χ^2/NDF: 472820761375.4/31

All: -0.019+/-0.000 χ^2/NDF: 993182086551.5

- sign -0.037+/-0.000 χ^2/NDF: 520135304766.1/33

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:1447337.7/15

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

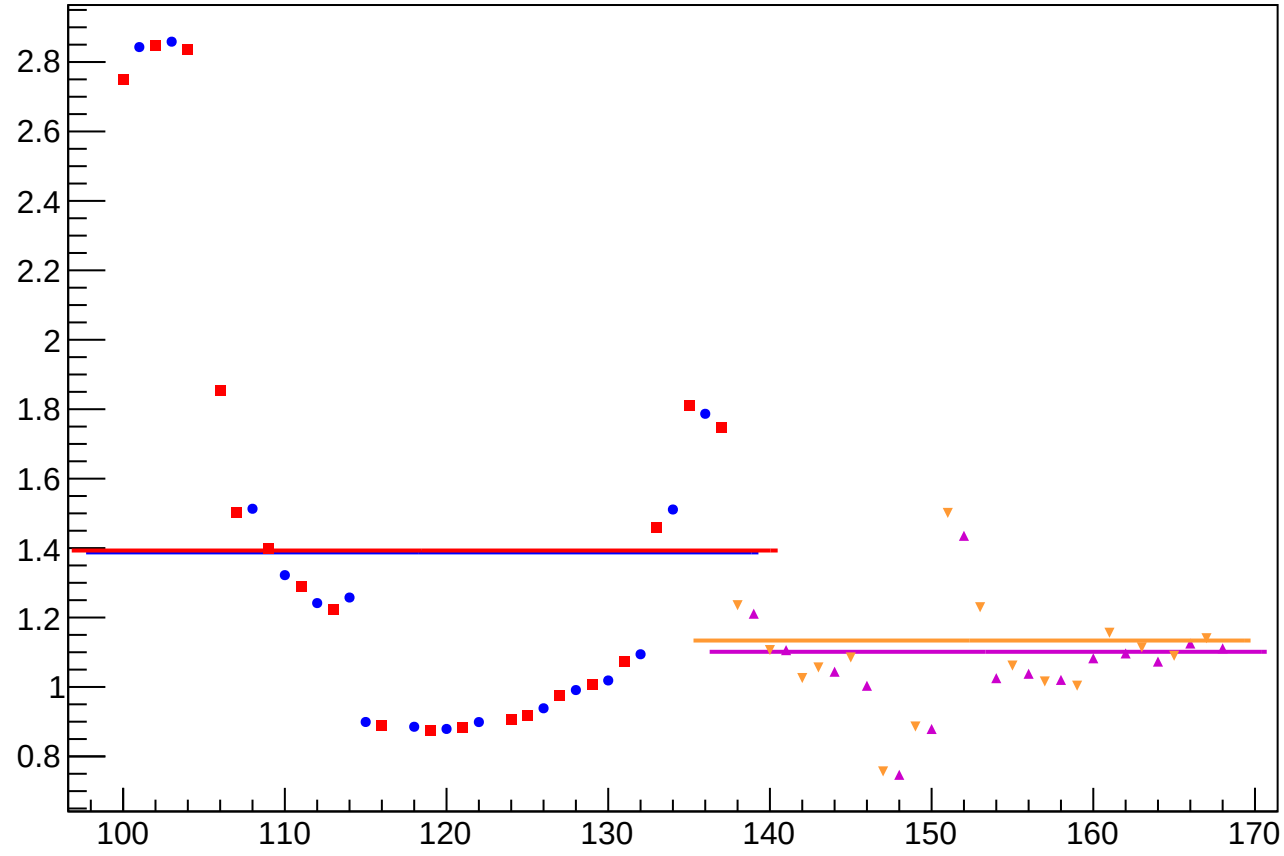
Left In: 0.007+/-0.000 χ^2/NDF:1504022.1/14

+ sign 0.007+/-0.000 χ^2/NDF: 1718867.0/31

All: 0.007+/-0.000 χ^2/NDF: 3419150.3/65

- sign 0.007+/-0.000 χ^2/NDF: 1700262.5/33

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.134+/-0.000 χ^2/NDF:5347244102.5/15

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

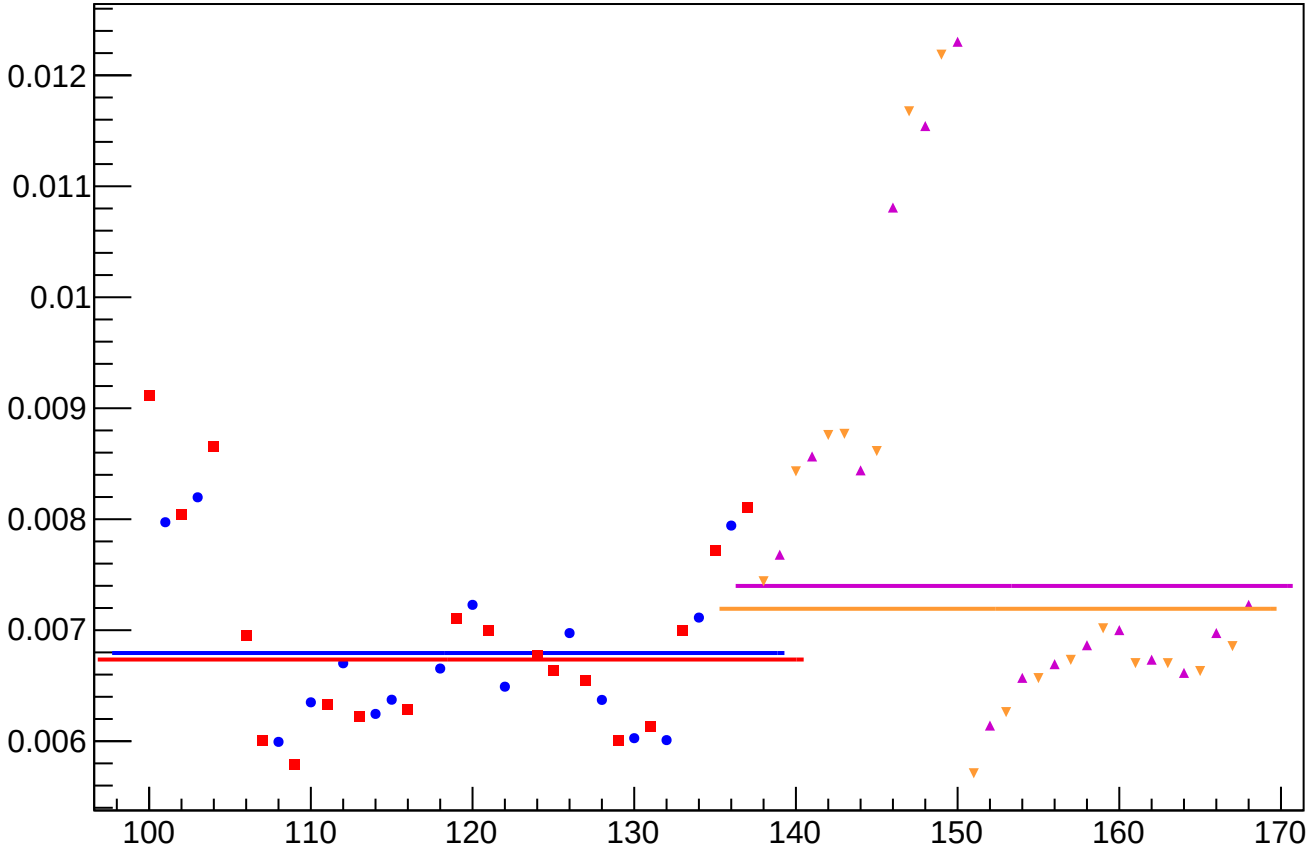
Left In: 1.101+/-0.000 χ^2/NDF:4163657069.4/14

+ sign 1.236+/-0.000 χ^2/NDF: 69875676009.9/31

All: 1.232+/-0.000 χ^2/NDF: 137250152196.6

- sign 1.227+/-0.000 χ^2/NDF: 67360357289.2/33

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:824973.1/15

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

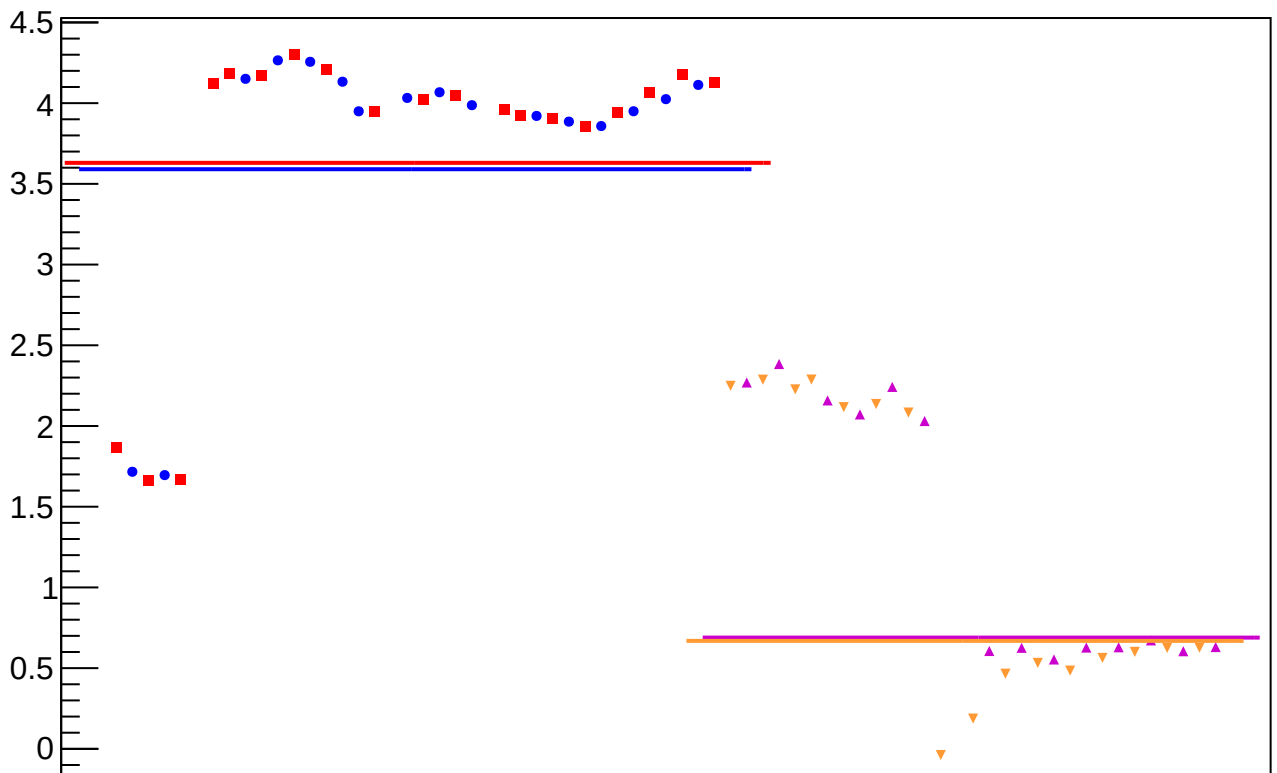
Left In: 0.007+/-0.000 χ^2/NDF:856495.1/14

+ sign 0.007+/-0.000 χ^2/NDF: 1018609.5/31

All: 0.007+/-0.000 χ^2/NDF: 2156954.5/65

- sign 0.007+/-0.000 χ^2/NDF: 1135937.6/33

yield_bpm1i04Y_mean vs Slug



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.669+/-0.000 χ^2/NDF:244165250930.3/15

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

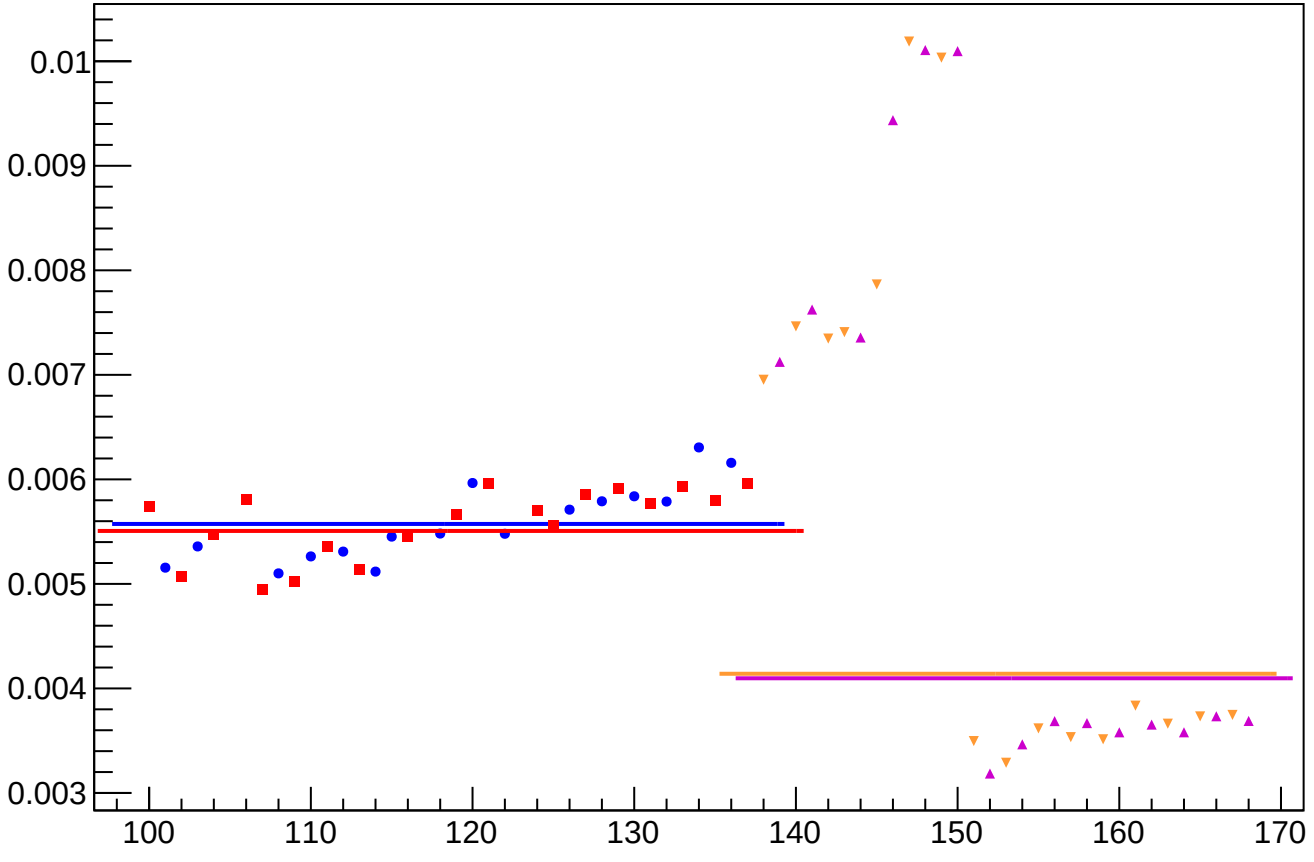
Left In: 0.689+/-0.000 χ^2/NDF:242431802794.1/14

+ sign 1.463+/-0.000 χ^2/NDF: 1880907270794.0/31

All: 1.486+/-0.000 χ^2/NDF: 3838350722731.

- sign 1.510+/-0.000 χ^2/NDF: 1956480941322.6/33

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:2780812.0/15

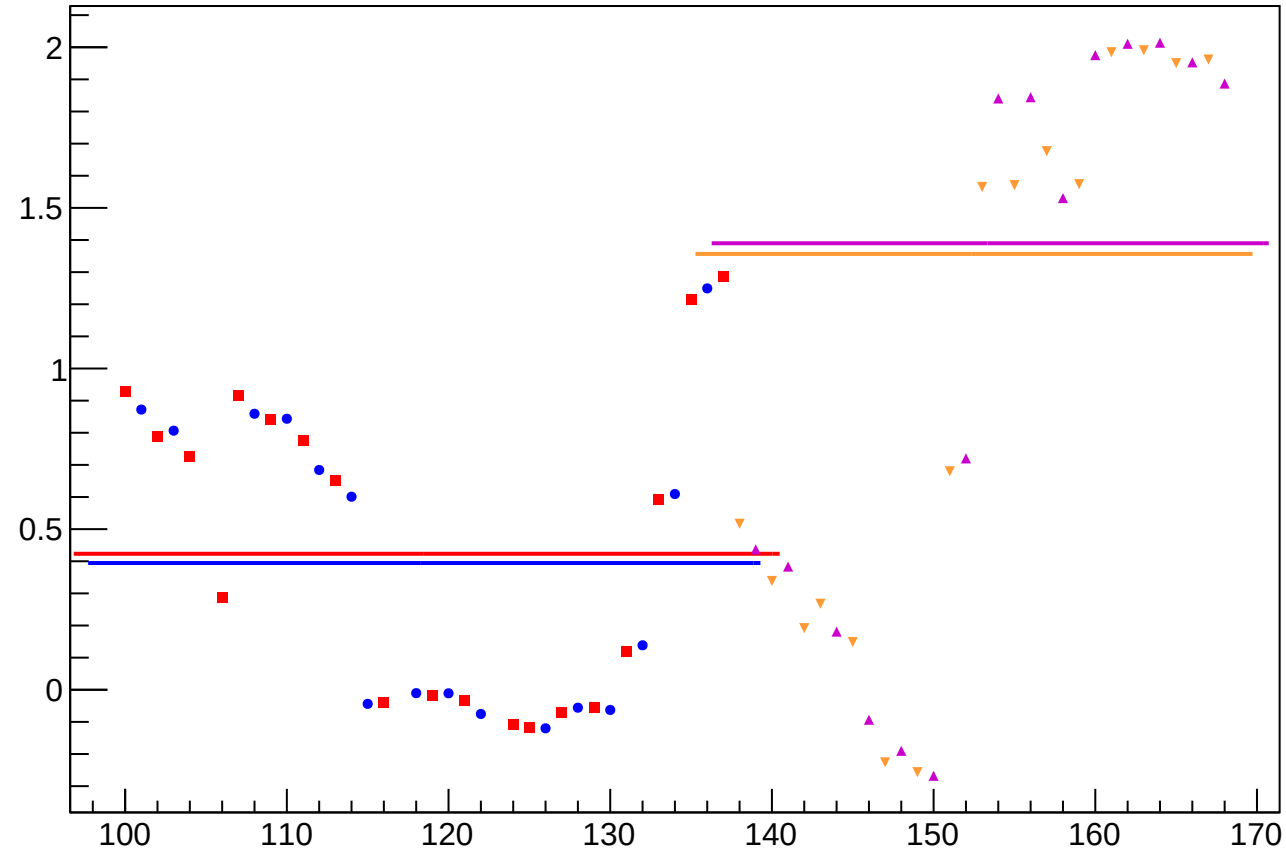
Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2984021.2/14

+ sign 0.005+/-0.000 χ^2/NDF: 3530349.9/31

All: 0.005+/-0.000 χ^2/NDF: 7262960.7/65

- sign 0.004+/-0.000 χ^2/NDF: 3731299.9/33



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.357+/-0.000 χ^2/NDF:49121948680.4/15

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

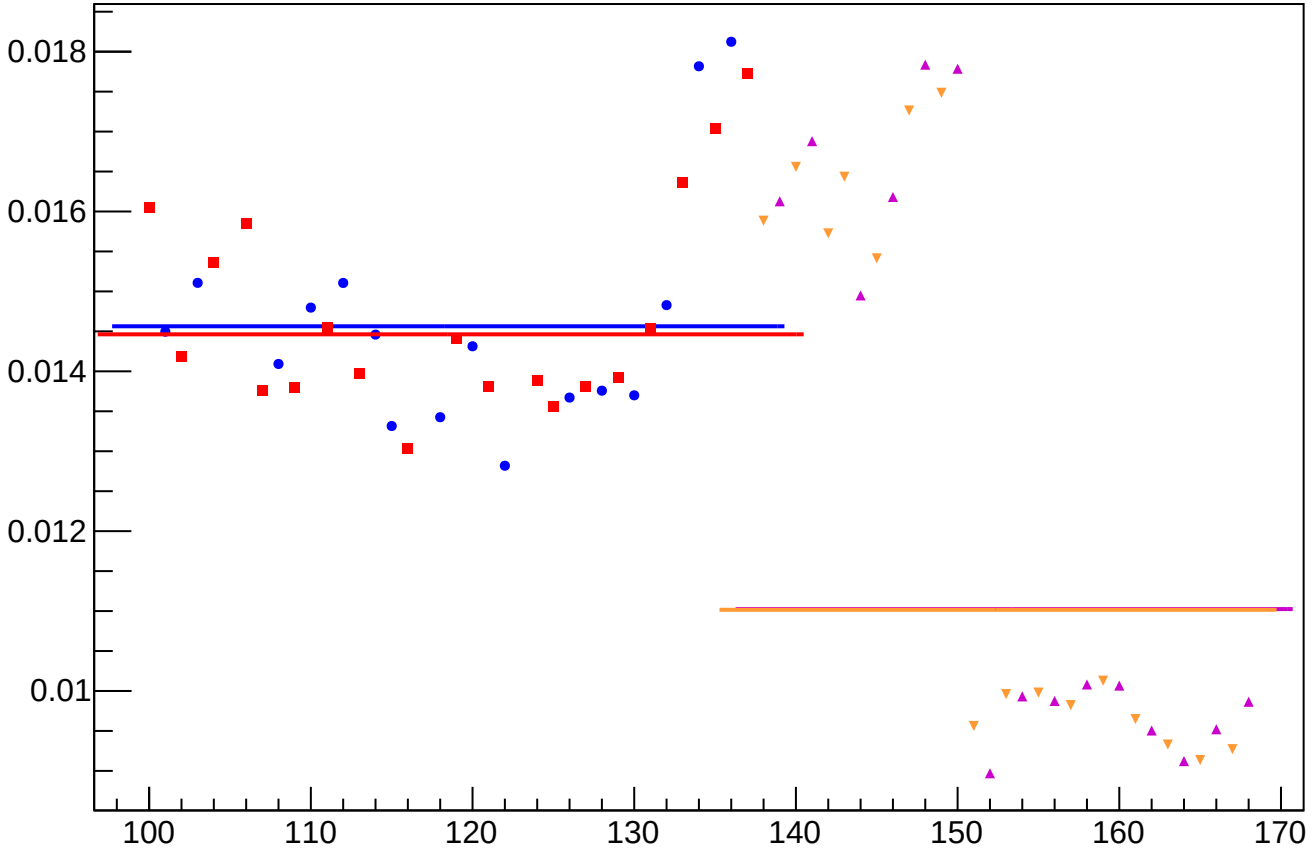
Left In: 1.390+/-0.000 χ^2/NDF:54963252288.2/14

+ sign 1.109+/-0.000 χ^2/NDF: 79518355313.1/31

All: 1.119+/-0.000 χ^2/NDF: 165207491870.4

- sign 1.130+/-0.000 χ^2/NDF: 85659069284.9/33

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:1455467.8/15

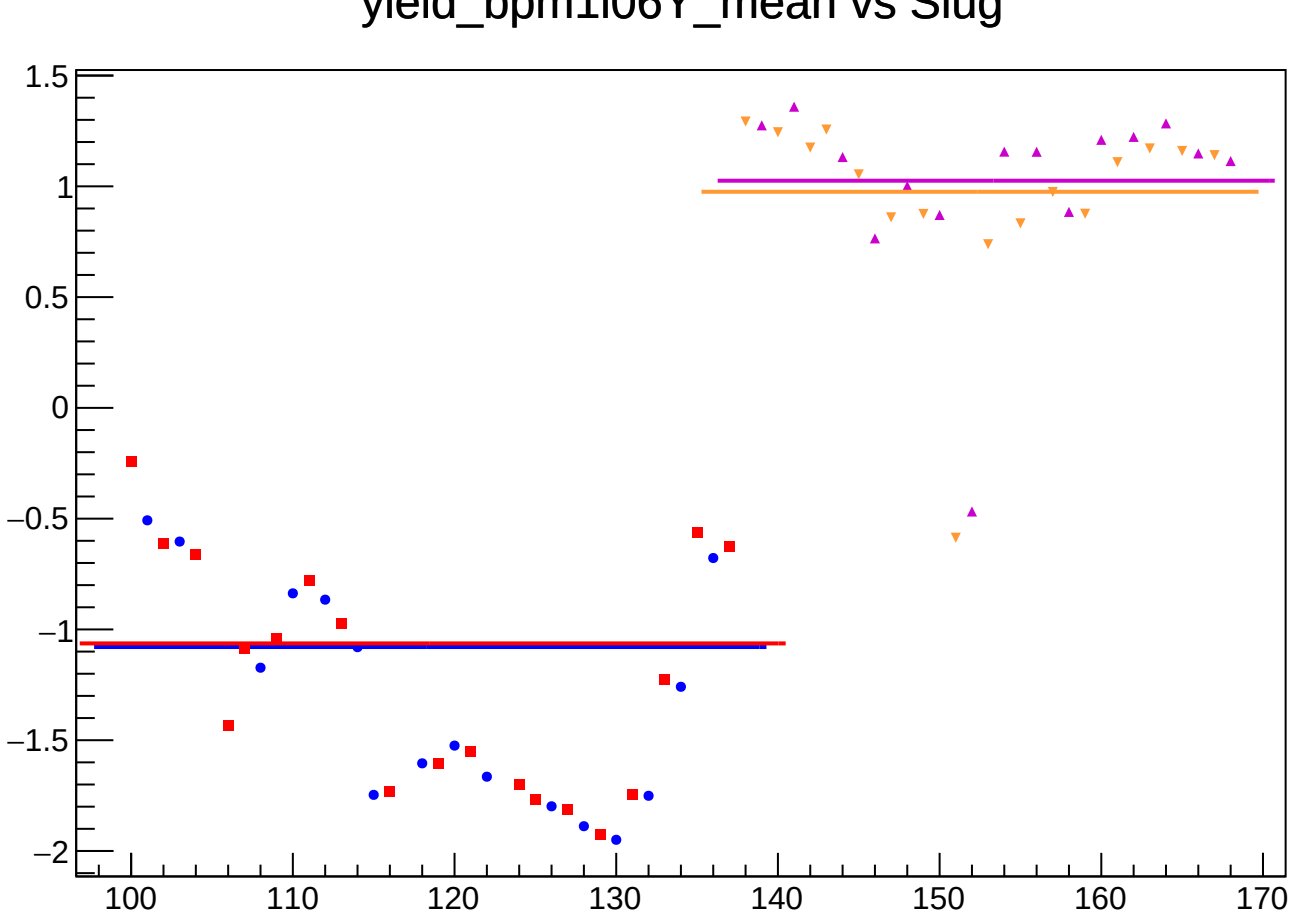
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.011+/-0.000 χ^2/NDF:1483317.5/14

+ sign 0.012+/-0.000 χ^2/NDF: 2213572.4/31

All: 0.012+/-0.000 χ^2/NDF: 4376230.0/65

- sign 0.012+/-0.000 χ^2/NDF: 2162614.3/33



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.975+/-0.000 χ^2/NDF:107972925268.8/15

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

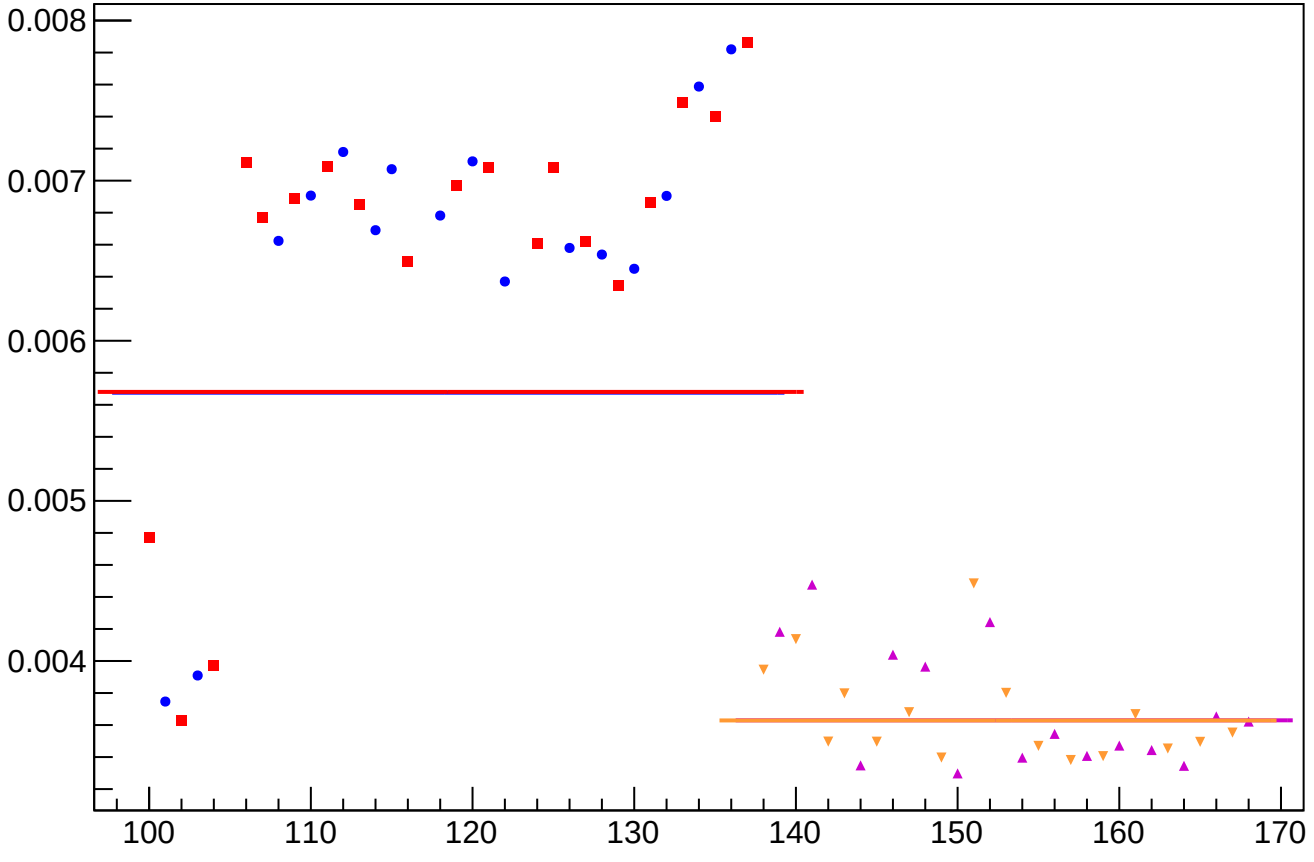
Left In: 1.025+/-0.000 χ^2/NDF:124737532559.6/14

+ sign 0.592+/-0.000 χ^2/NDF: 846421591122.7/31

All: 0.608+/-0.000 χ^2/NDF: 1725634063155.

- sign 0.624+/-0.000 χ^2/NDF: 878675388596.7/33

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:123372.2/15

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

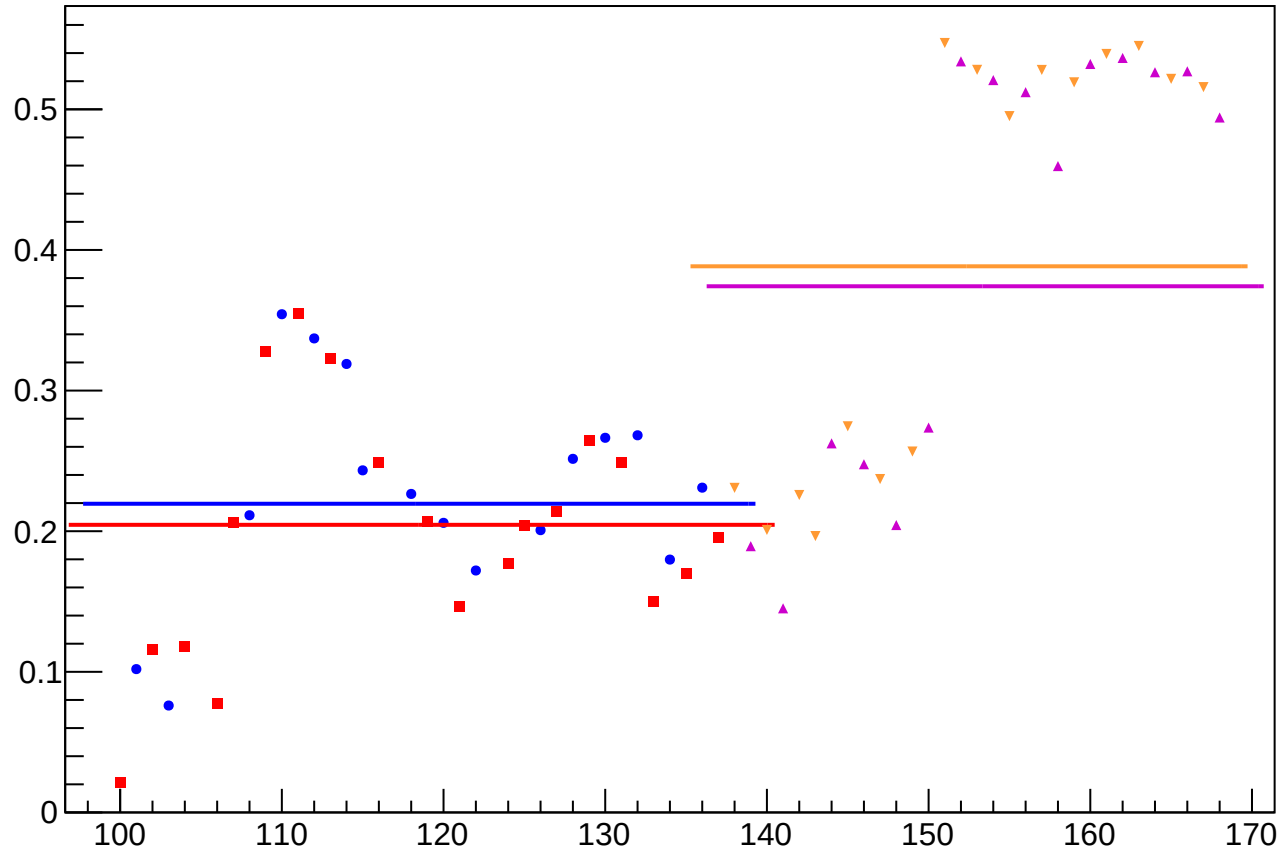
Left In: 0.004+/-0.000 χ^2/NDF:202970.3/14

+ sign 0.004+/-0.000 χ^2/NDF: 2415562.4/31

All: 0.004+/-0.000 χ^2/NDF: 4957361.0/65

- sign 0.004+/-0.000 χ^2/NDF: 2541624.1/33

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.388+/-0.000 χ^2/NDF:126262530115.1/15

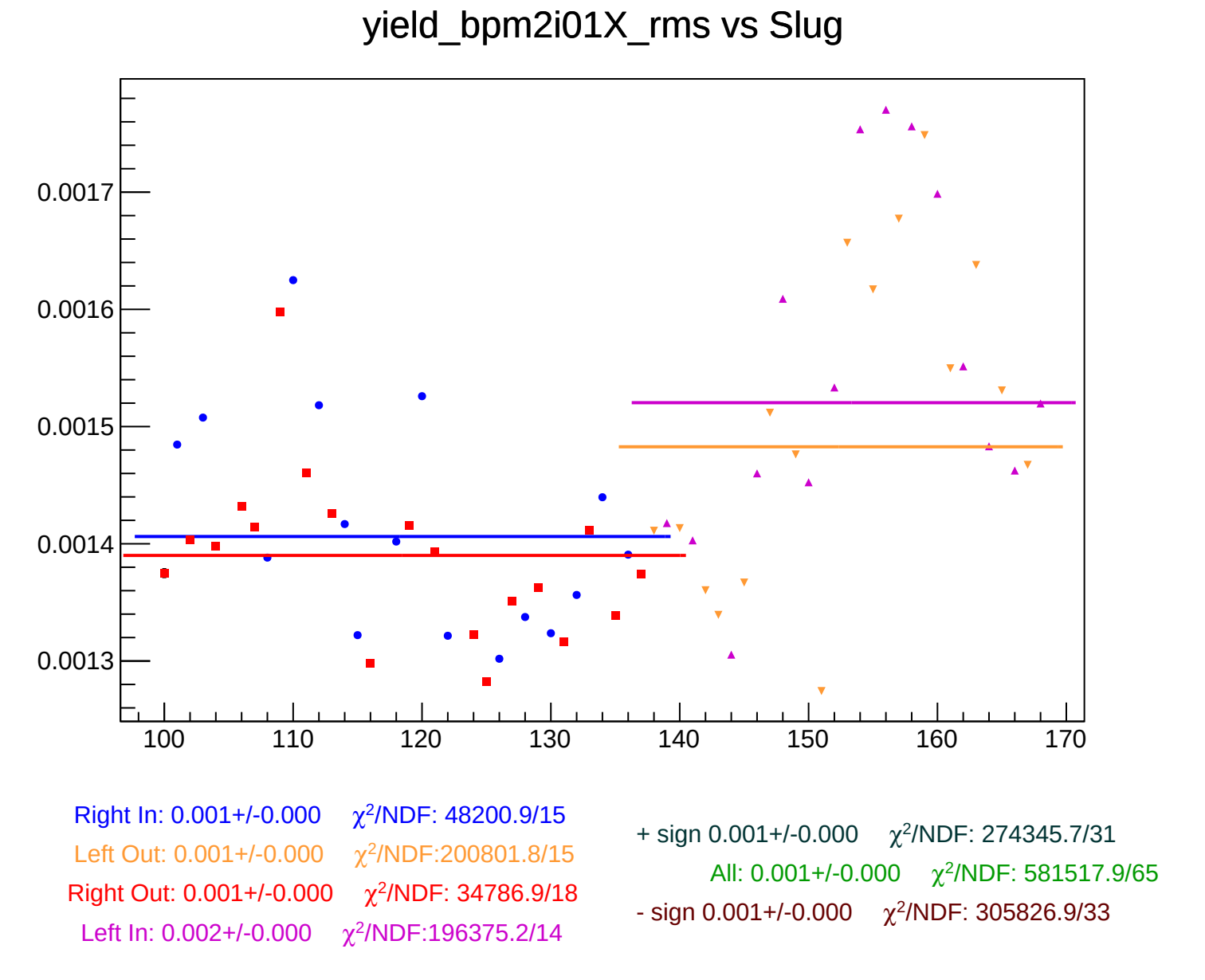
Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

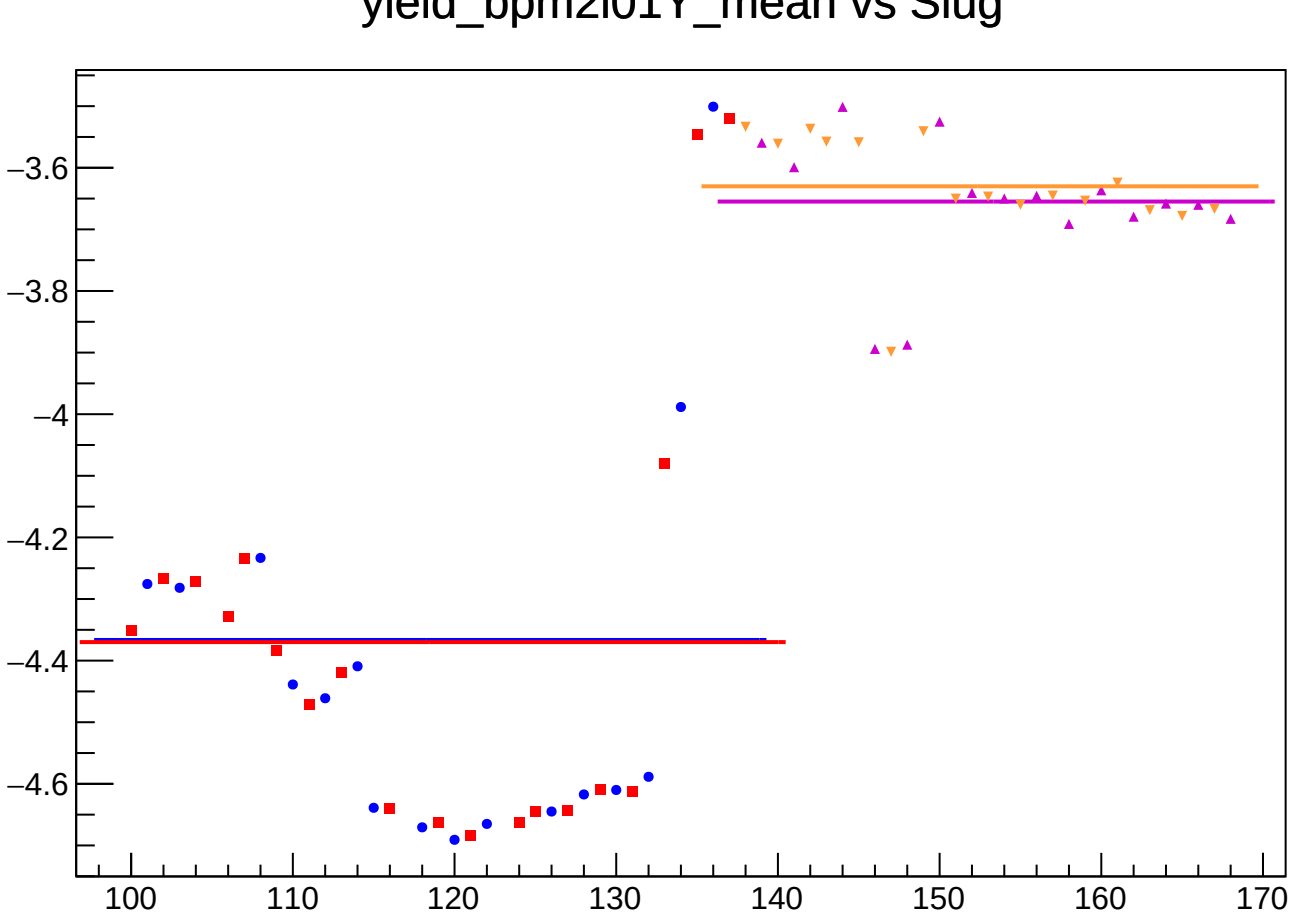
Left In: 0.374+/-0.000 χ^2/NDF:119752661148.7/14

+ sign 0.324+/-0.000 χ^2/NDF: 204636503079.4/31

All: 0.313+/-0.000 χ^2/NDF: 411908990630.6

- sign 0.303+/-0.000 χ^2/NDF: 205316791594.3/33


yield_bpm2i01X_rms vs Slug
0.0017
0.0016
0.0015
0.0014
0.0013
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 48200.9/15
Left Out: 0.001+/-0.000 χ²/NDF:200801.8/15
Right Out: 0.001+/-0.000 χ²/NDF: 34786.9/18
Left In: 0.002+/-0.000 χ²/NDF:196375.2/14
+ sign 0.001+/-0.000 χ²/NDF: 274345.7/31
All: 0.001+/-0.000 χ²/NDF: 581517.9/65
- sign 0.001+/-0.000 χ²/NDF: 305826.9/33



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.630+/-0.000 χ^2/NDF:21993912796.7/15

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

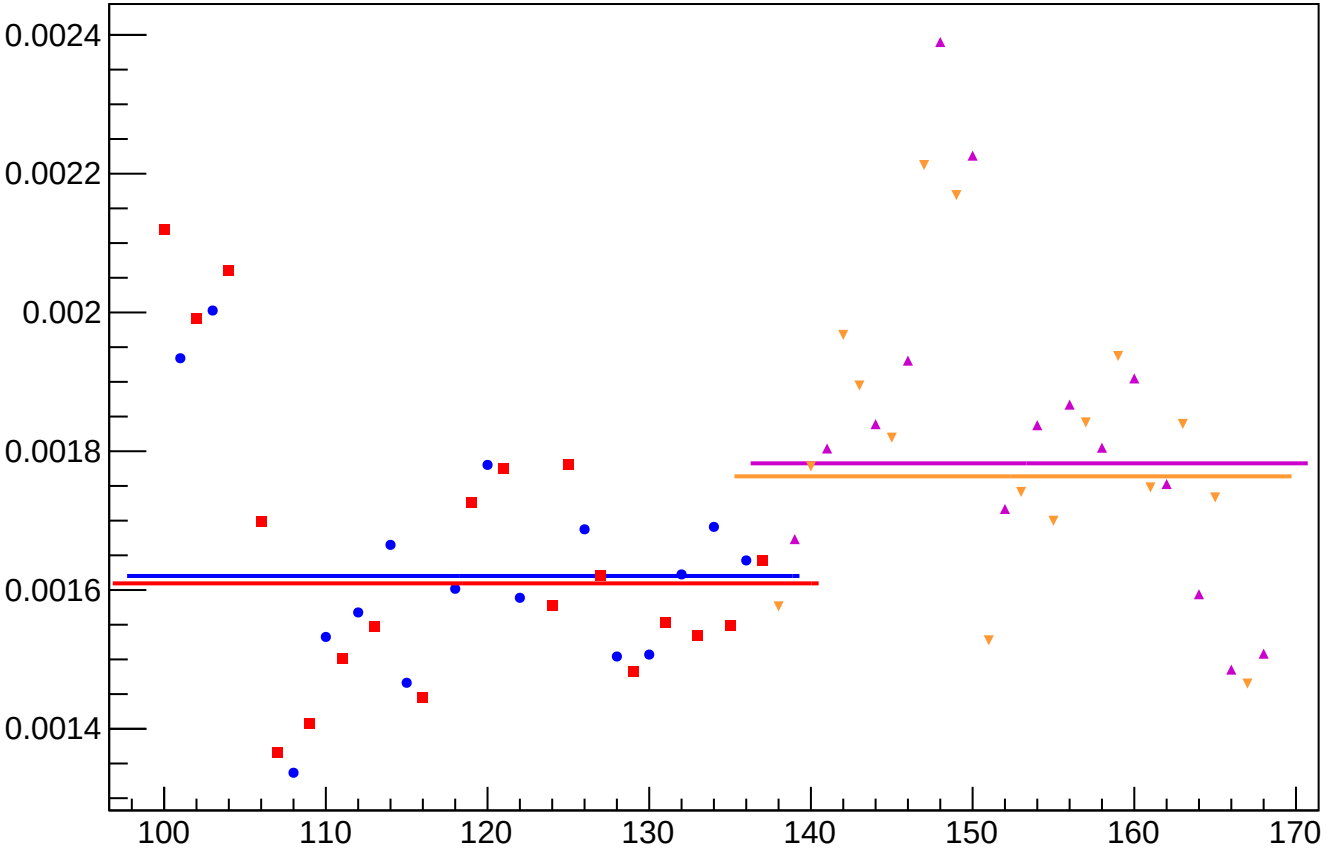
Left In: -3.655+/-0.000 χ^2/NDF:33532766941.8/14

+ sign -3.928+/-0.000 χ^2/NDF: 1221118266056.4/3

All: -3.943+/-0.000 χ^2/NDF: 2362277800980

- sign -3.958+/-0.000 χ^2/NDF: 1138092885623.5/33

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:287788.0/15

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

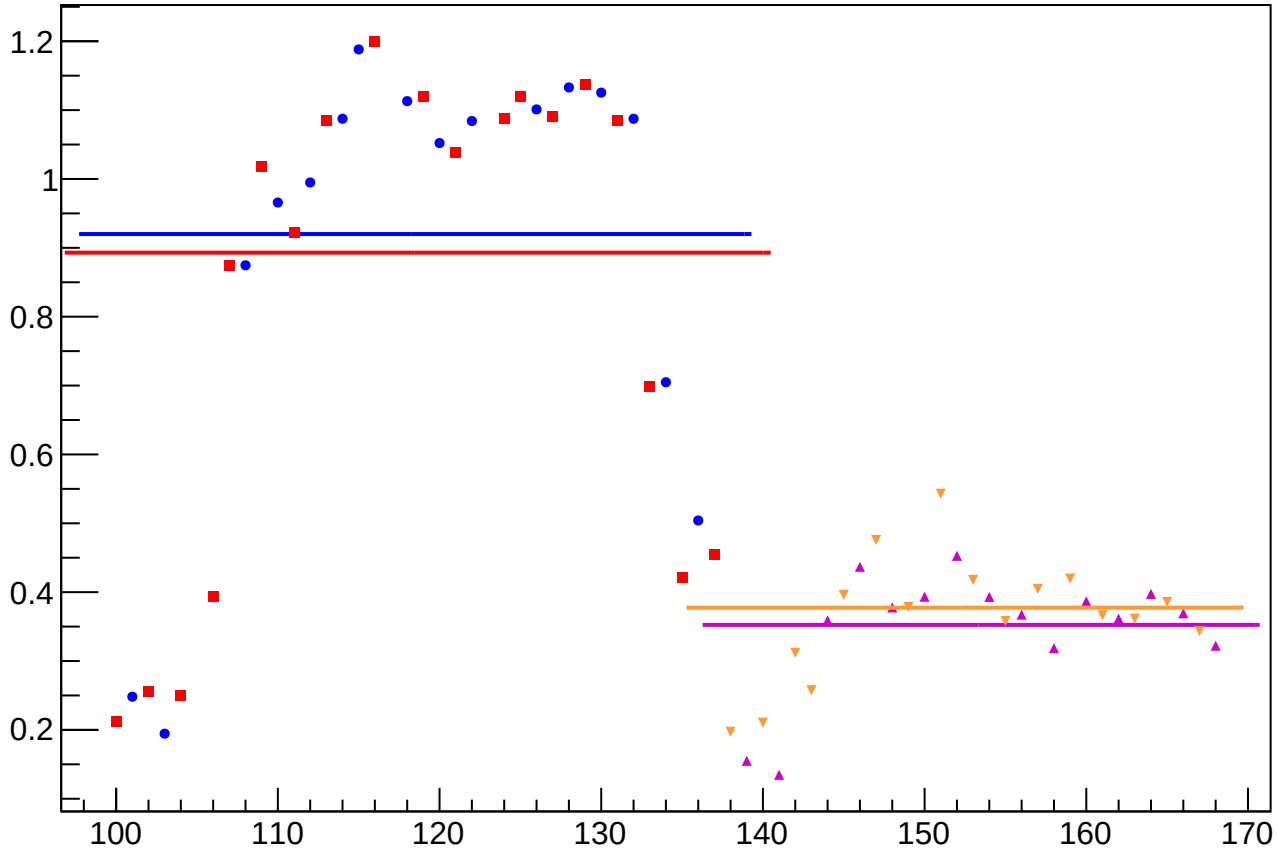
Left In: 0.002+/-0.000 χ^2/NDF:324749.3/14

+ sign 0.002+/-0.000 χ^2/NDF: 492338.2/31

All: 0.002+/-0.000 χ^2/NDF: 1096769.8/65

- sign 0.002+/-0.000 χ^2/NDF: 604359.9/33

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.377+/-0.000 χ^2/NDF:1700201049.3/15

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

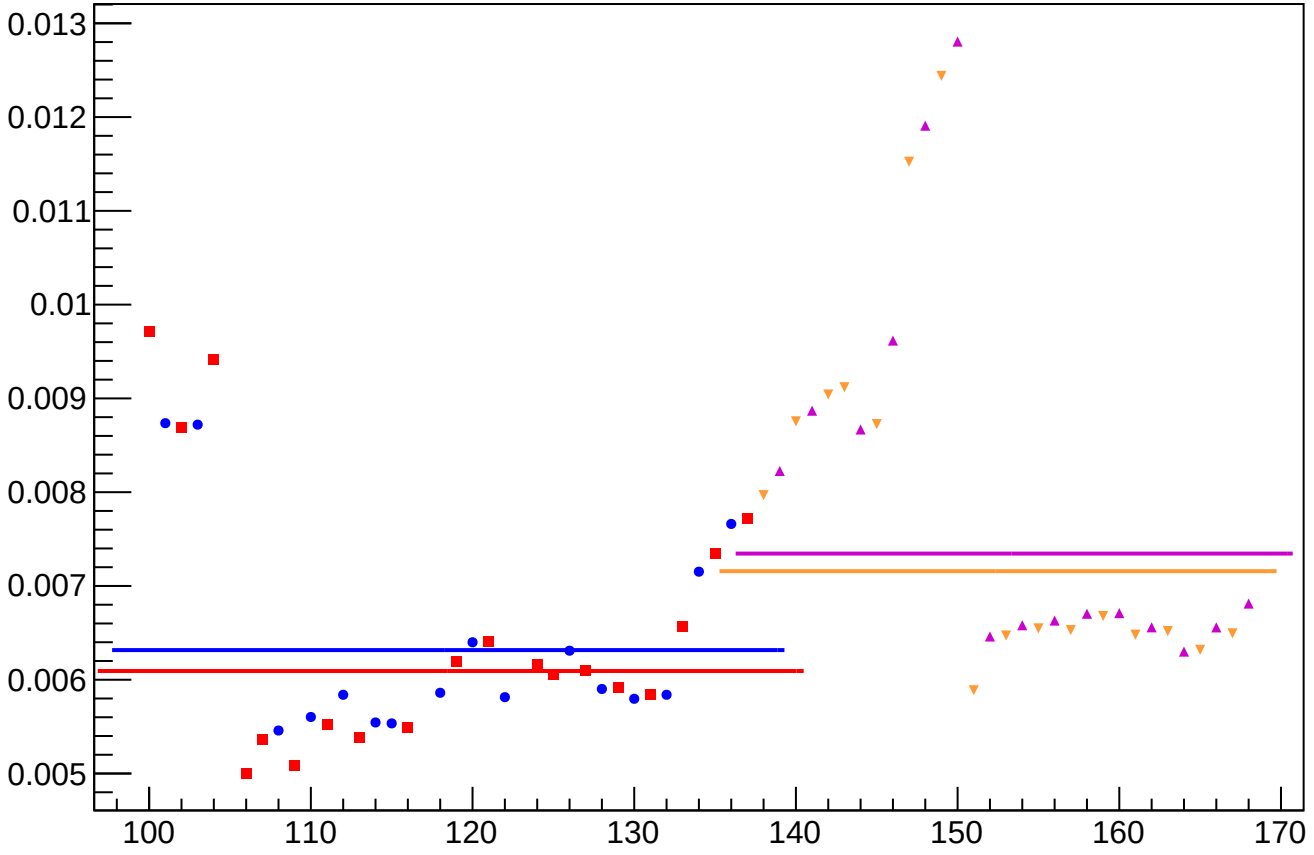
Left In: 0.353+/-0.000 χ^2/NDF:1439037228.3/14

+ sign 0.610+/-0.000 χ^2/NDF: 45855433541.3/31

All: 0.608+/-0.000 χ^2/NDF: 95133618550.2/6

- sign 0.607+/-0.000 χ^2/NDF: 49276742795.0/33

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:978191.0/15

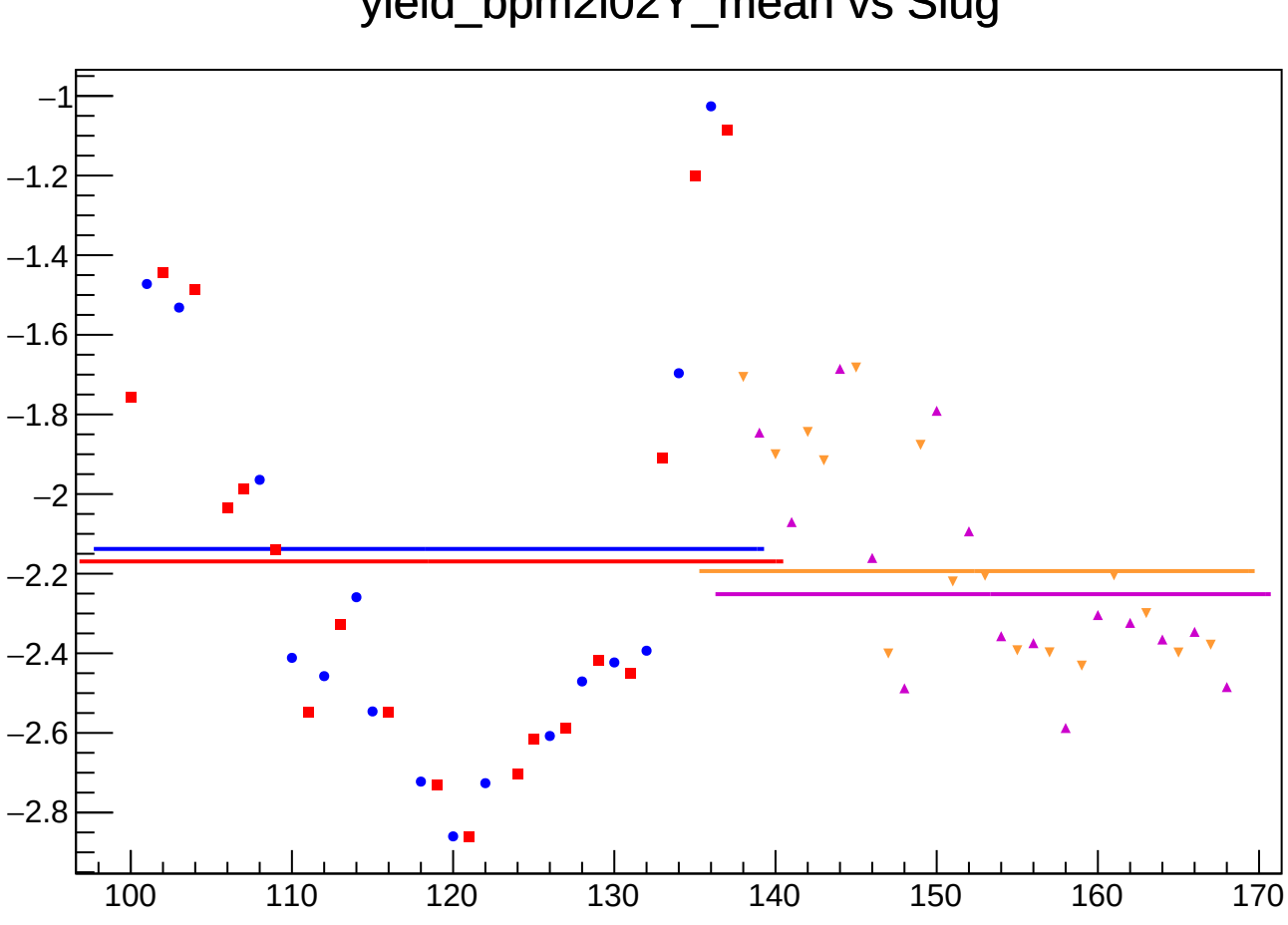
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:969436.7/14

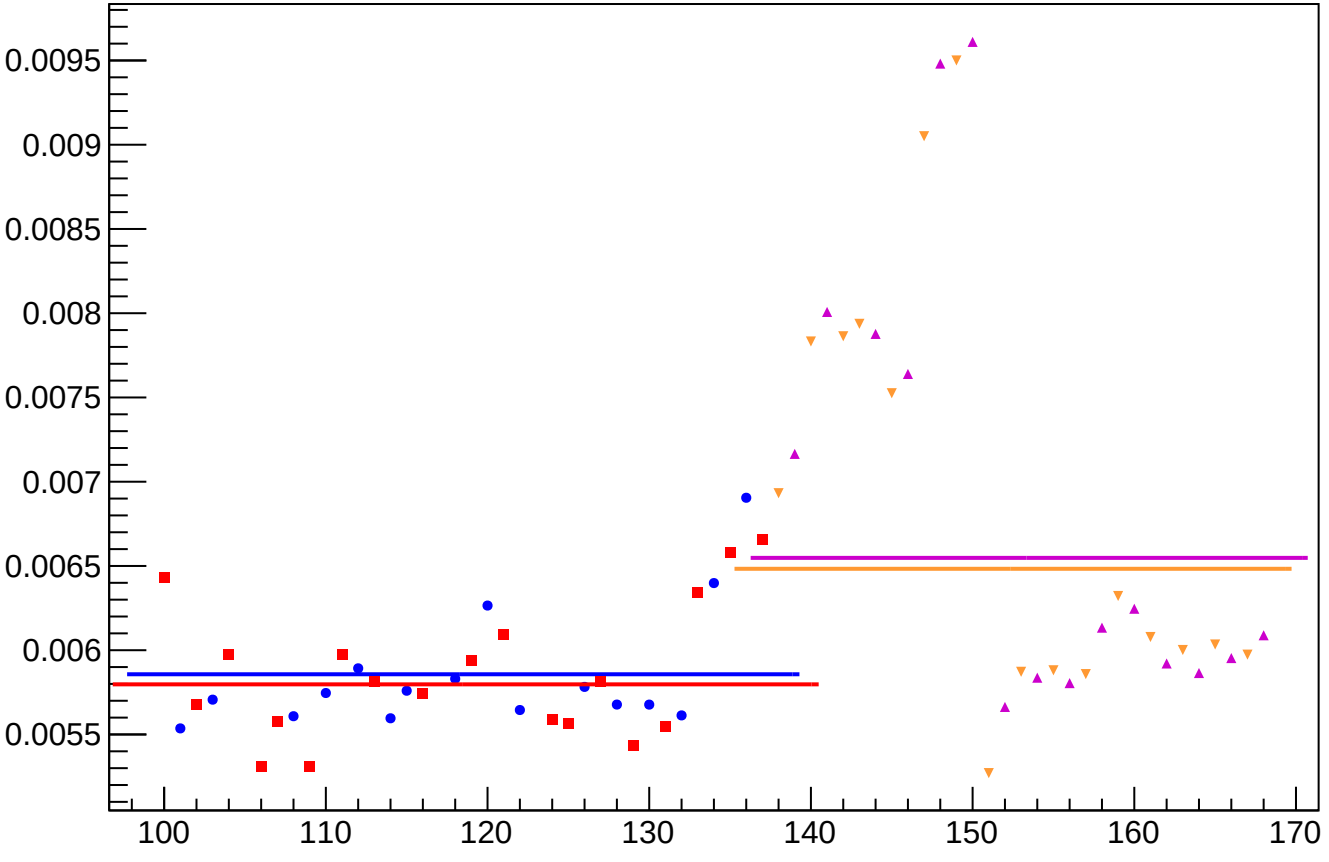
+ sign 0.007+/-0.000 χ^2/NDF: 1456296.5/31

All: 0.007+/-0.000 χ^2/NDF: 3186506.4/65

- sign 0.007+/-0.000 χ^2/NDF: 1729488.8/33


yield_bpm2i02Y_mean vs Slug
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
100
110
120
130
140
150
160
170
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -2.193+/-0.000 χ²/NDF:16902089689.2/15
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.251+/-0.000 χ²/NDF:16286338063.7/14
+ sign -2.170+/-0.000 χ²/NDF: 82945221548.4/31
All: -2.193+/-0.000 χ²/NDF: 157986114867.8
- sign -2.215+/-0.000 χ²/NDF: 74533199498.9/33

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:649825.1/15

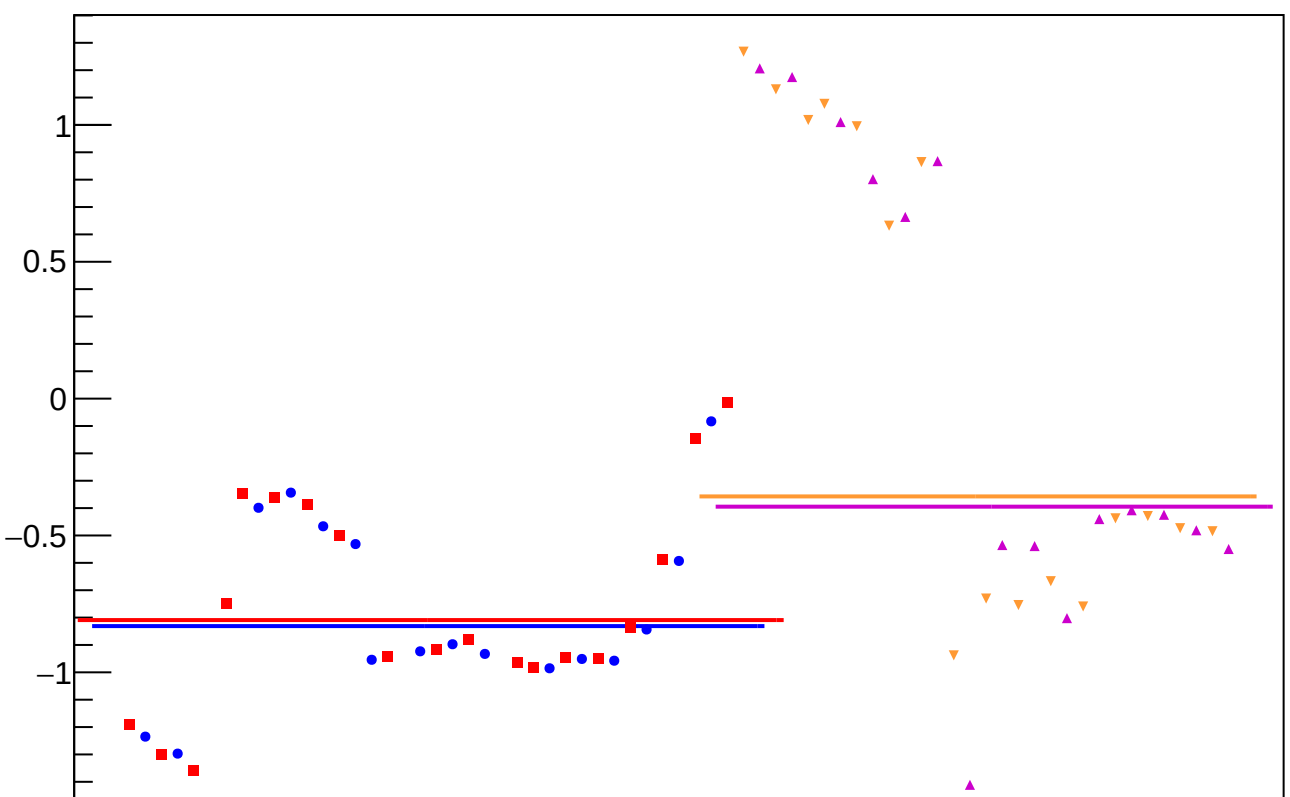
Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:662469.6/14

+ sign 0.006+/-0.000 χ^2/NDF: 807267.9/31

All: 0.006+/-0.000 χ^2/NDF: 1665742.1/65

- sign 0.006+/-0.000 χ^2/NDF: 858463.9/33



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.357+/-0.000 χ^2/NDF:77617072438.8/15

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

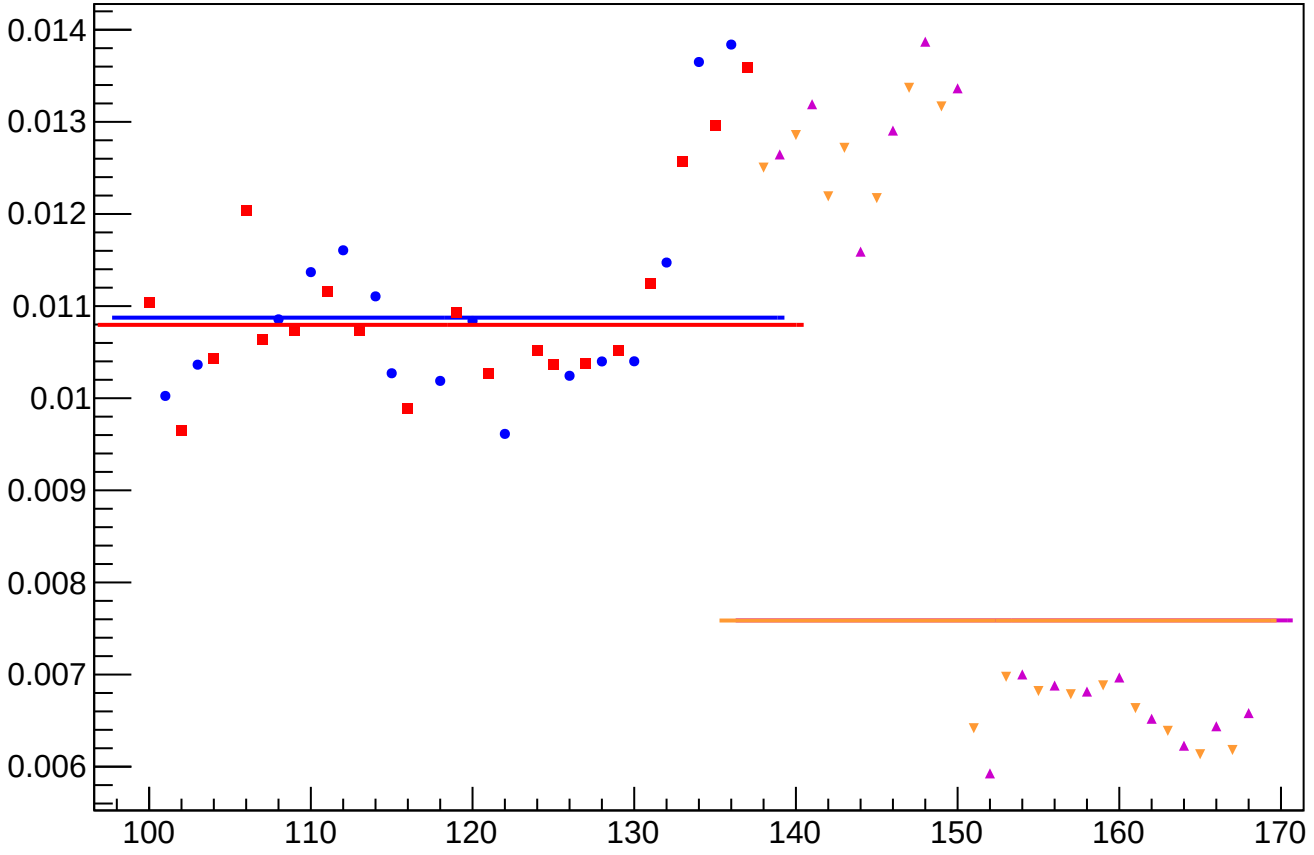
Left In: -0.395+/-0.000 χ^2/NDF:87732325238.3/14

+ sign -0.468+/-0.000 χ^2/NDF: 94972396572.4/31

All: -0.482+/-0.000 χ^2/NDF: 199004711524.0

- sign -0.496+/-0.000 χ^2/NDF: 103933290673.9/33

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:2082038.2/15

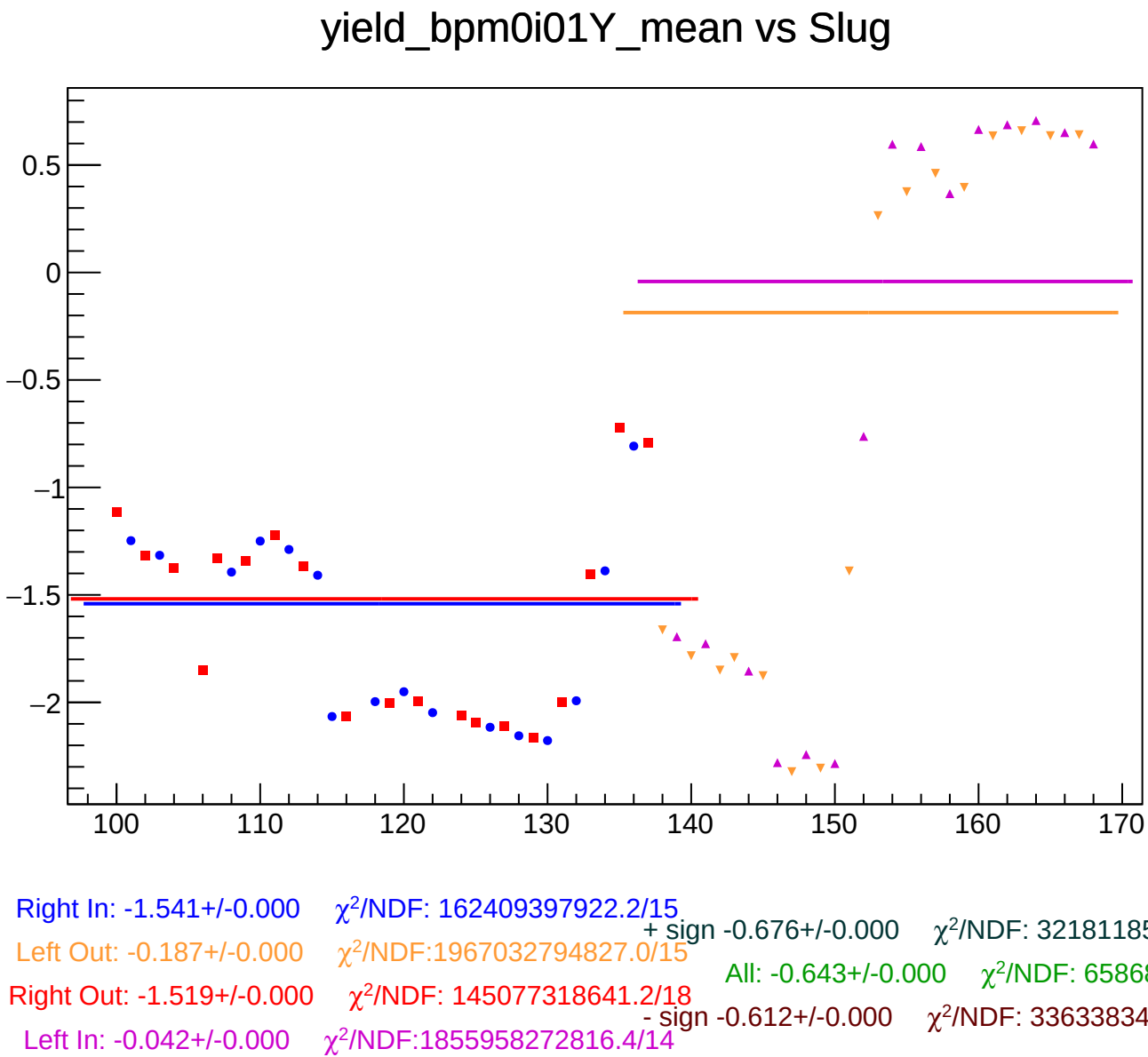
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.008+/-0.000 χ^2/NDF:2117453.7/14

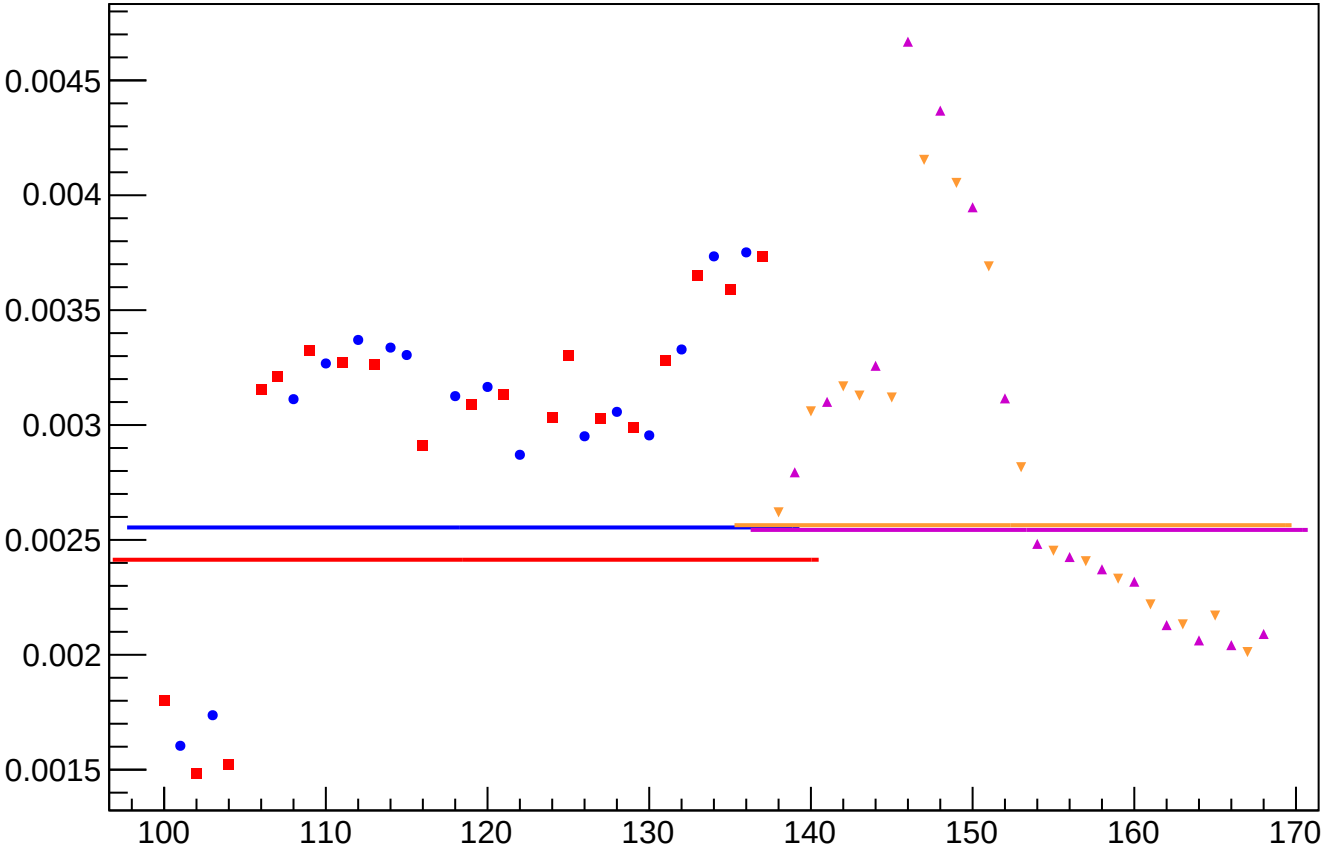
+ sign 0.008+/-0.000 χ^2/NDF: 3226231.1/31

All: 0.008+/-0.000 χ^2/NDF: 6408675.3/65

- sign 0.008+/-0.000 χ^2/NDF: 3182379.2/33


yield_bpm0i01Y_mean vs Slug
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
Right In: -1.541+/-0.000 χ²/NDF: 162409397922.2/15
Left Out: -0.187+/-0.000 χ²/NDF:1967032794827.0/15
Right Out: -1.519+/-0.000 χ²/NDF: 145077318641.2/18
Left In: -0.042+/-0.000 χ²/NDF:1855958272816.4/14
+ sign -0.676+/-0.000 χ²/NDF: 3218118511321.6/3
All: -0.643+/-0.000 χ²/NDF: 6586841019819
- sign -0.612+/-0.000 χ²/NDF: 3363383468631.2/33

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:931760.0/15

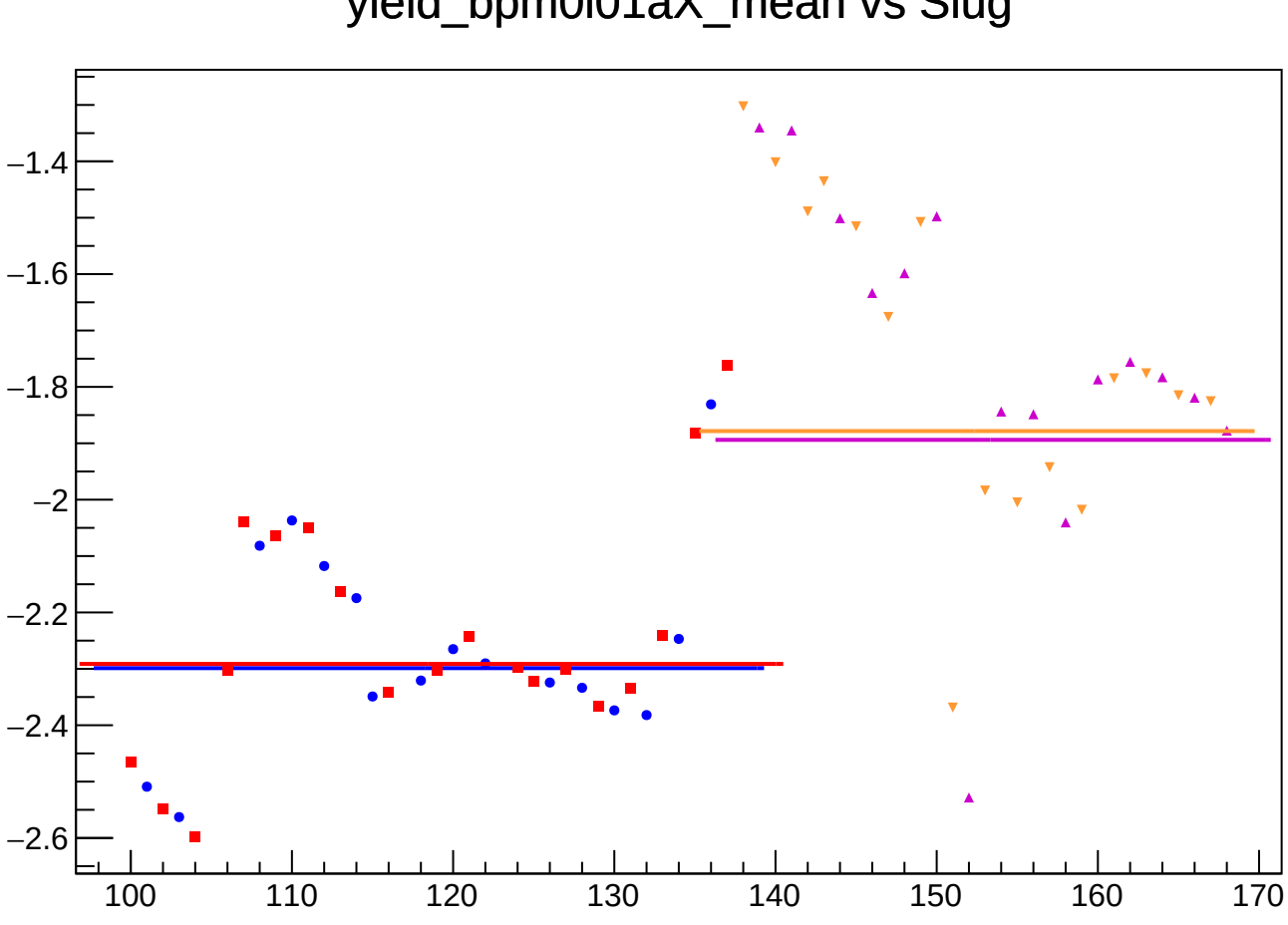
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:1129768.6/14

+ sign 0.003+/-0.000 χ^2/NDF: 2104311.7/31

All: 0.003+/-0.000 χ^2/NDF: 4813681.1/65

- sign 0.002+/-0.000 χ^2/NDF: 2697652.3/33



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.878+/-0.000 χ^2/NDF:27199830177.8/15

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

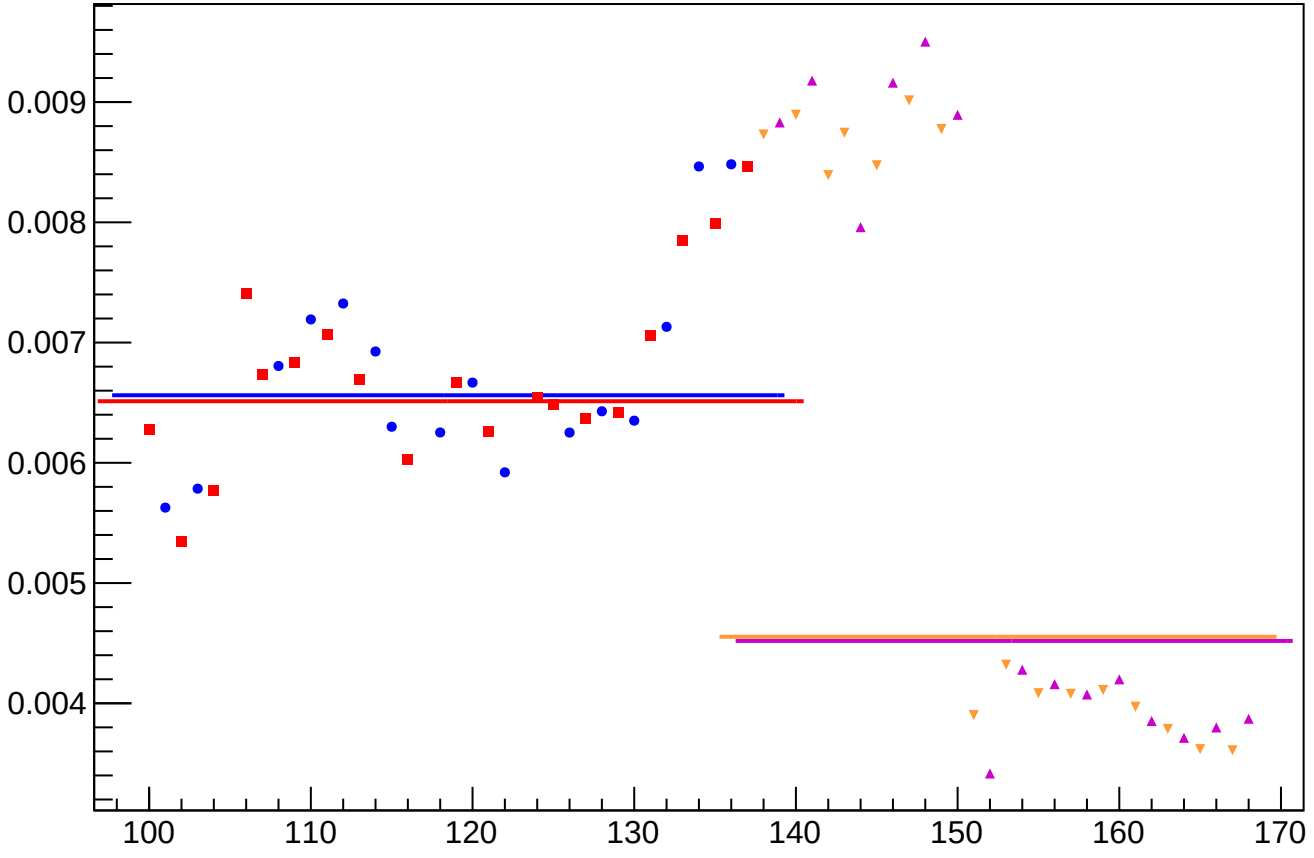
Left In: -1.894+/-0.000 χ^2/NDF:43300942071.1/14

+ sign -1.978+/-0.000 χ^2/NDF: 55010391550.6/31

All: -1.985+/-0.000 χ^2/NDF: 125162591102.9

- sign -1.991+/-0.000 χ^2/NDF: 70090914373.1/33

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:2755200.0/15

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

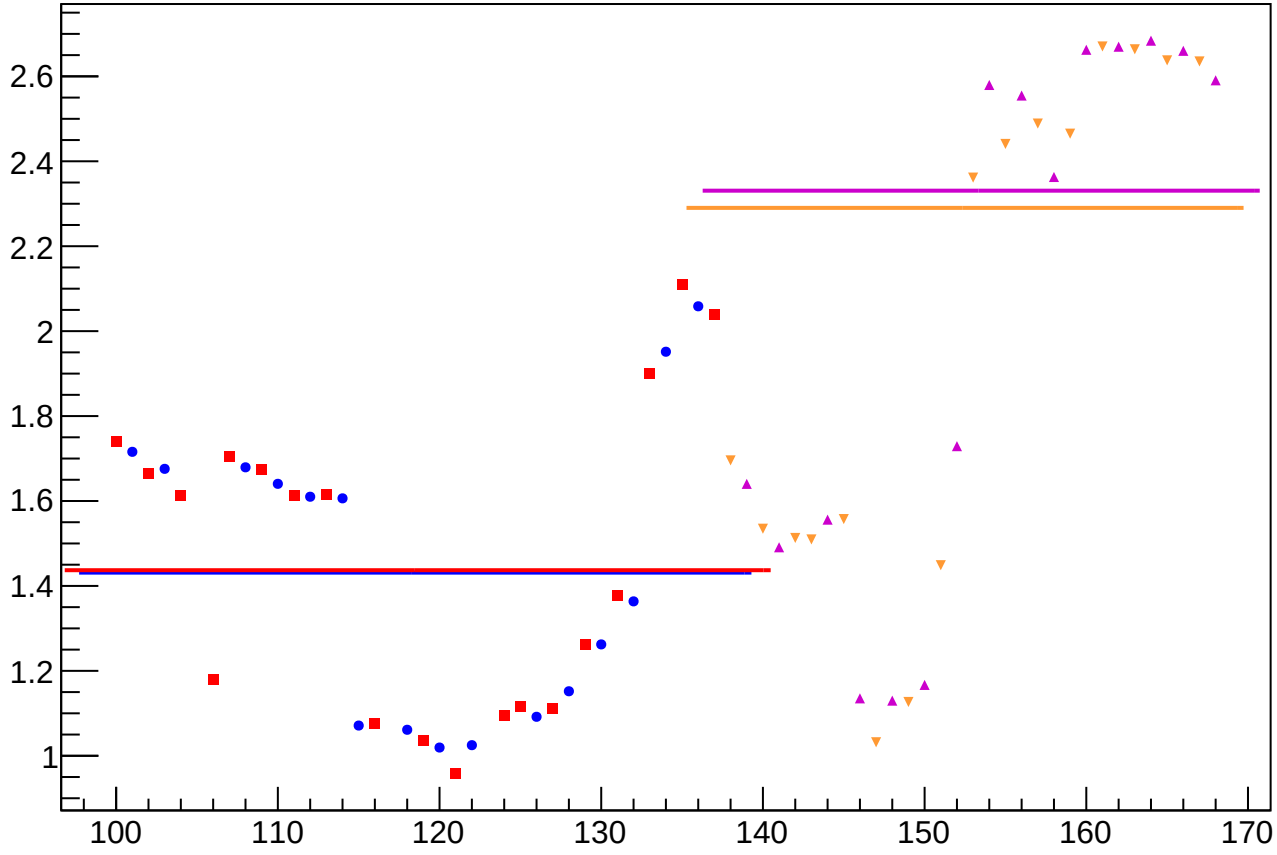
Left In: 0.005+/-0.000 χ^2/NDF:2834648.7/14

+ sign 0.005+/-0.000 χ^2/NDF: 3966856.4/31

All: 0.005+/-0.000 χ^2/NDF: 7990961.6/65

- sign 0.005+/-0.000 χ^2/NDF: 4023792.7/33

yield_bpm0i01aY_mean vs Slug



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.290+/-0.000 χ^2/NDF:205695560612.3/15

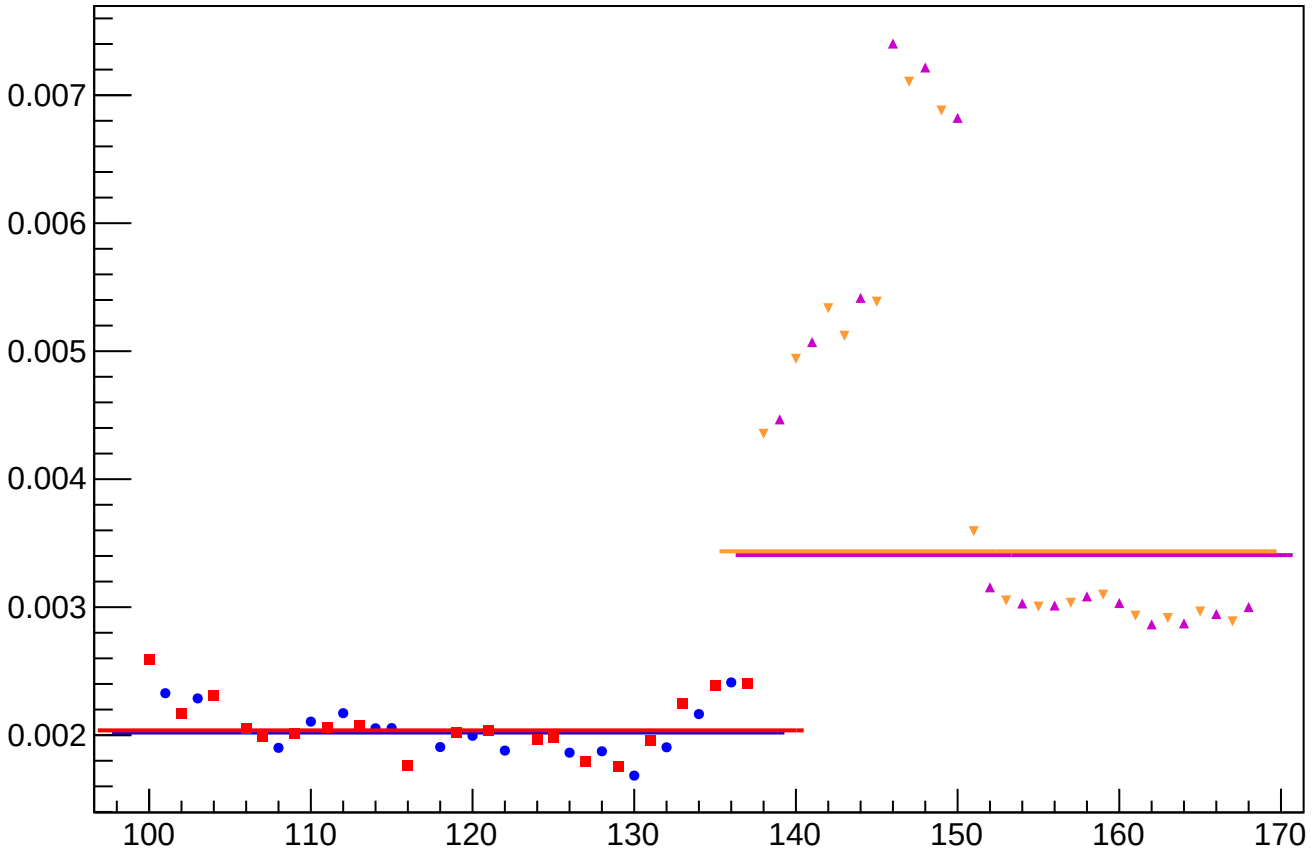
Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.331+/-0.000 χ^2/NDF:201983216981.5/14

+ sign 1.743+/-0.000 χ^2/NDF: 829505975765.1/31

All: 1.750+/-0.000 χ^2/NDF: 1681295552672.

- sign 1.758+/-0.000 χ^2/NDF: 851500777599.9/33



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1657048.8/15

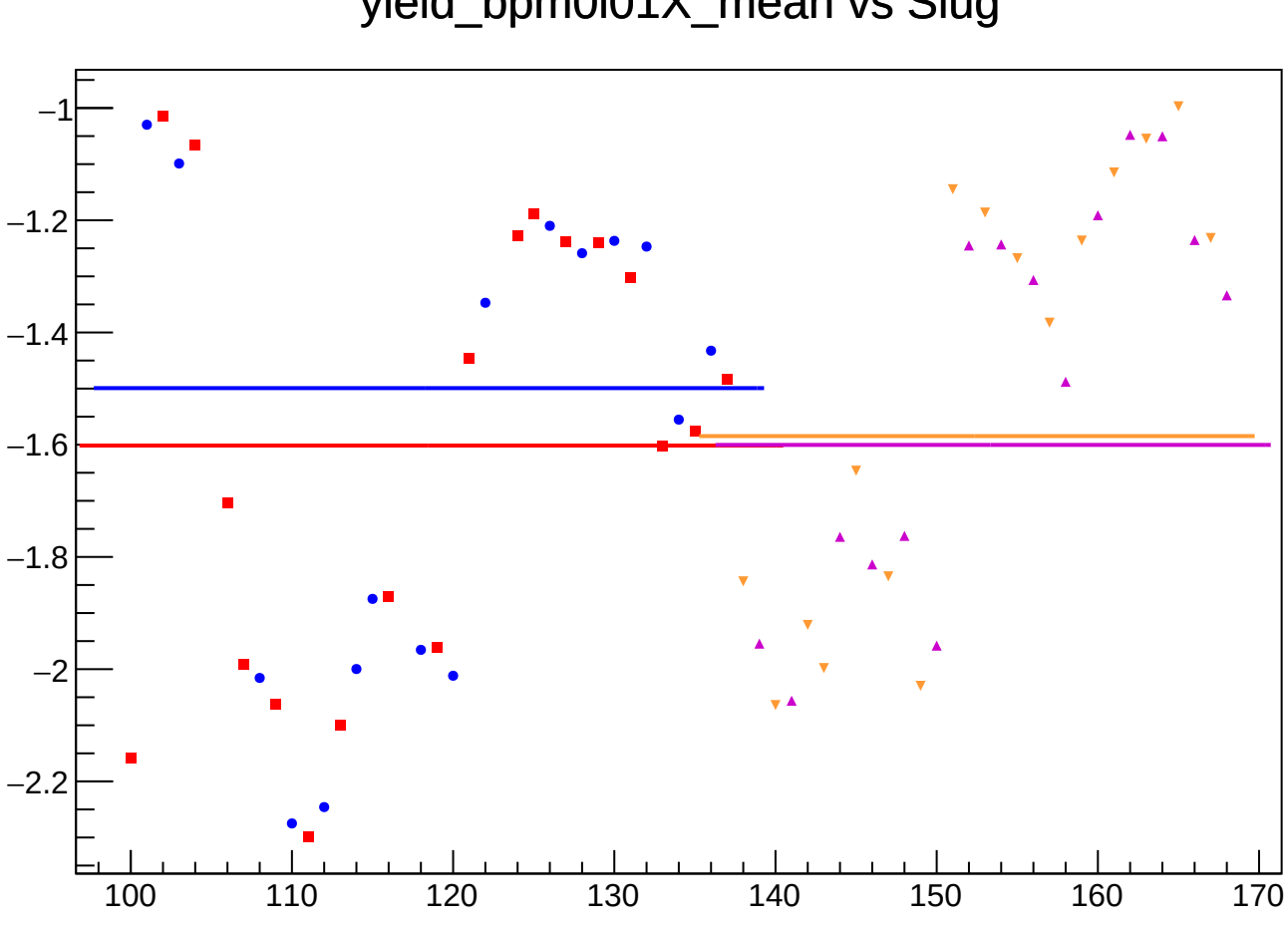
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1906394.3/14

+ sign 0.003+/-0.000 χ^2/NDF: 4174504.1/31

All: 0.003+/-0.000 χ^2/NDF: 8389206.3/65

- sign 0.003+/-0.000 χ^2/NDF: 4214637.8/33



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.585+/-0.000 χ^2/NDF:38750333427.2/15

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

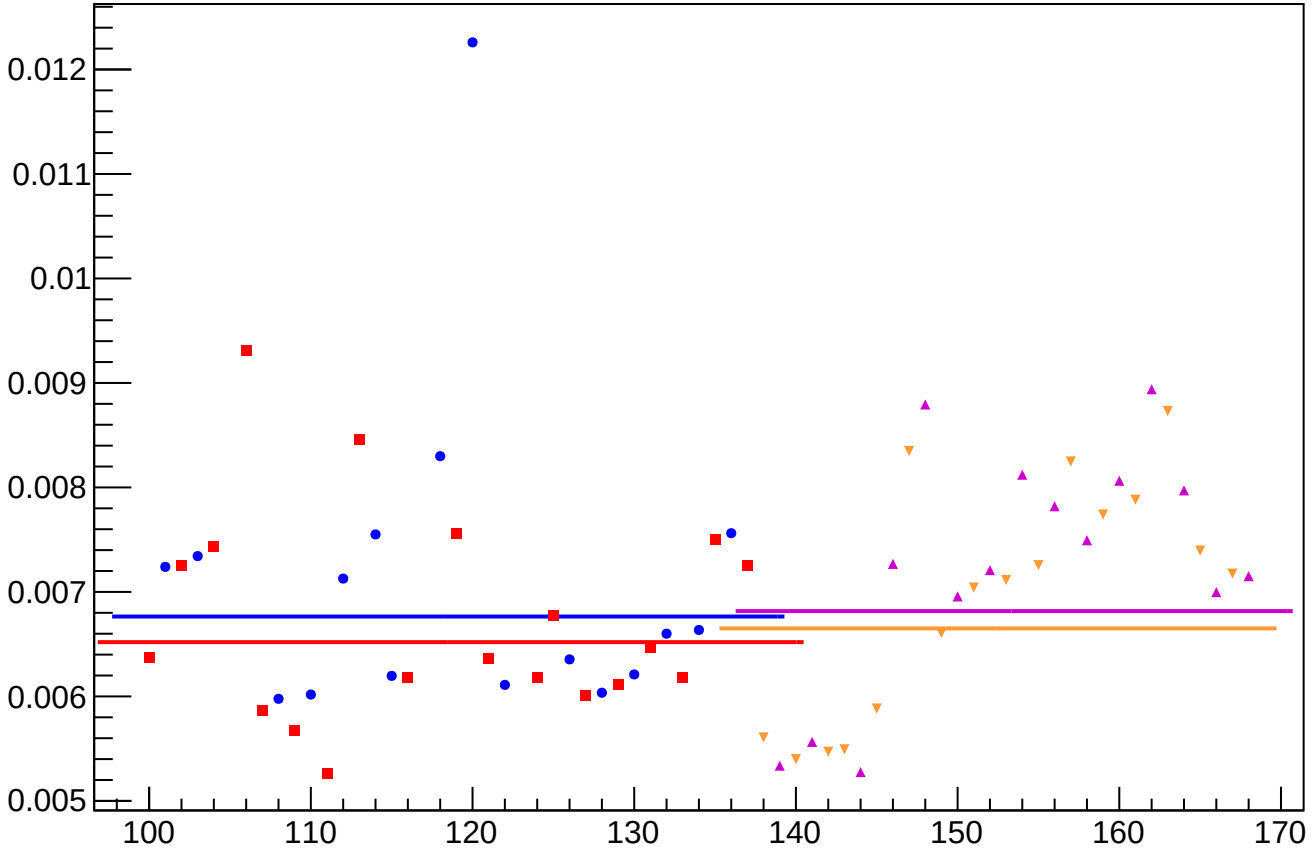
Left In: -1.600+/-0.000 χ^2/NDF:28428869981.3/14

+ sign -1.555+/-0.000 χ^2/NDF: 62352684535.5/31

All: -1.578+/-0.000 χ^2/NDF: 119537916272.1

- sign -1.601+/-0.000 χ^2/NDF: 56753899153.8/33

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:594511.4/15

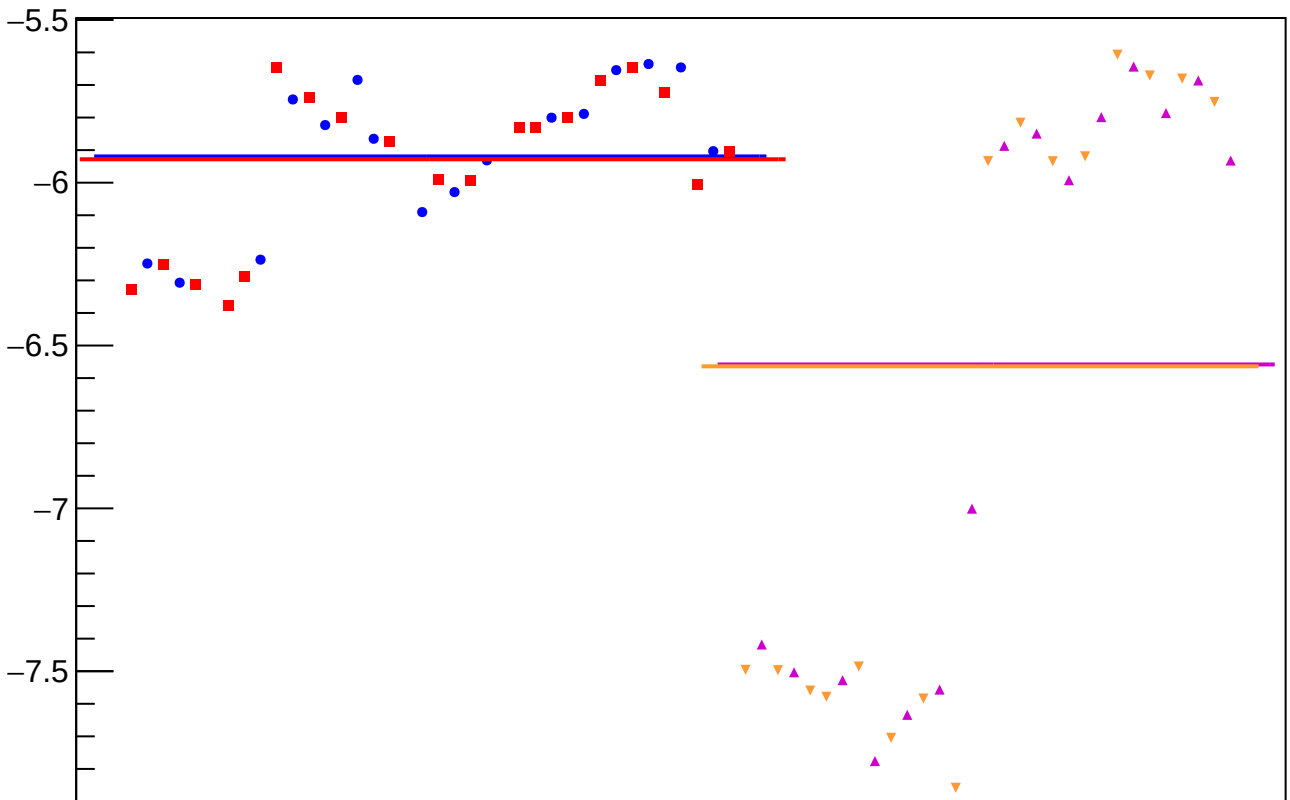
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:678412.3/14

+ sign 0.007+/-0.000 χ^2/NDF: 835455.3/31

All: 0.007+/-0.000 χ^2/NDF: 1776492.4/65

- sign 0.007+/-0.000 χ^2/NDF: 941019.5/33



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.564+/-0.000 χ^2/NDF:94310137355.6/15

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

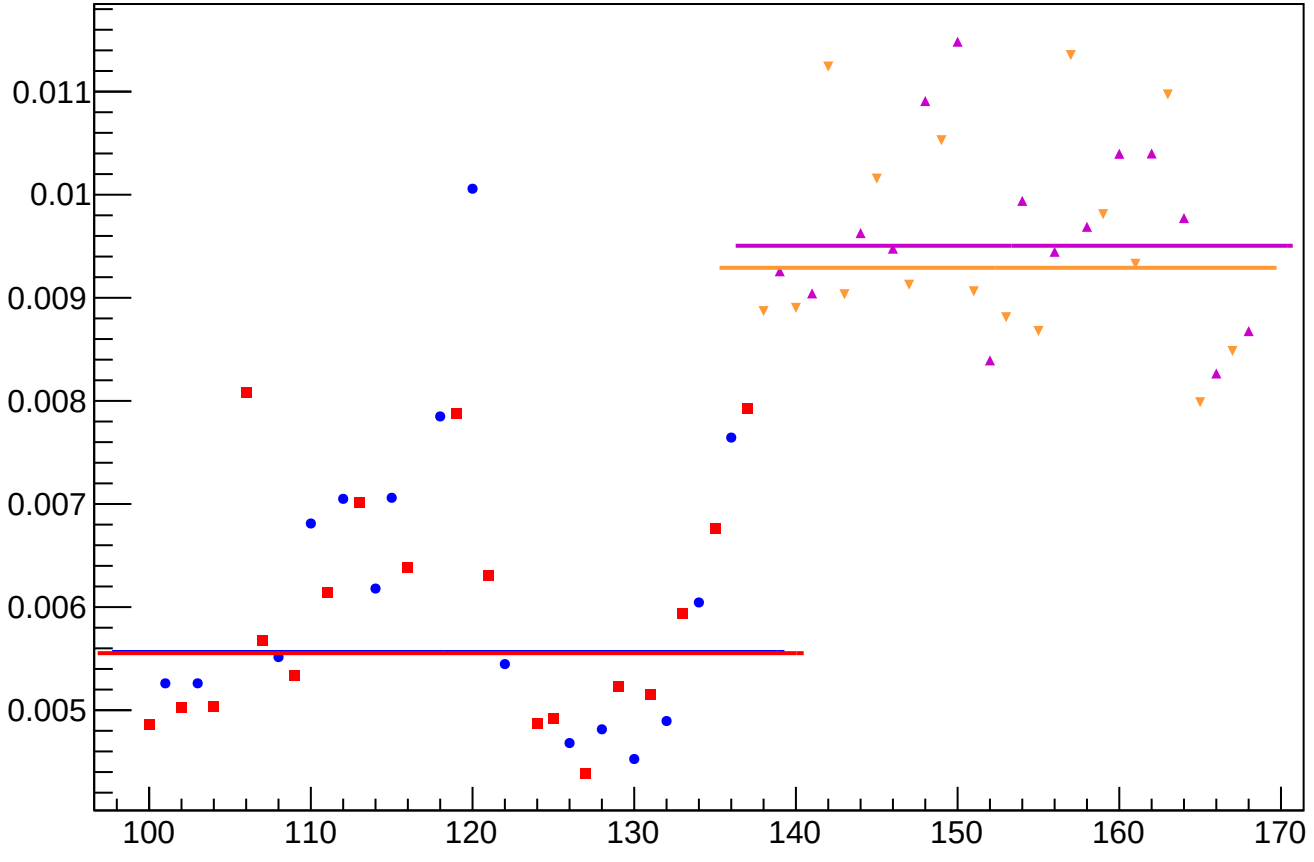
Left In: -6.558+/-0.000 χ^2/NDF:74690007685.9/14

+ sign -6.155+/-0.000 χ^2/NDF: 136099103517.0/31

All: -6.149+/-0.000 χ^2/NDF: 251933831009.0

- sign -6.143+/-0.000 χ^2/NDF: 115812113448.8/33

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:188200.2/15

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

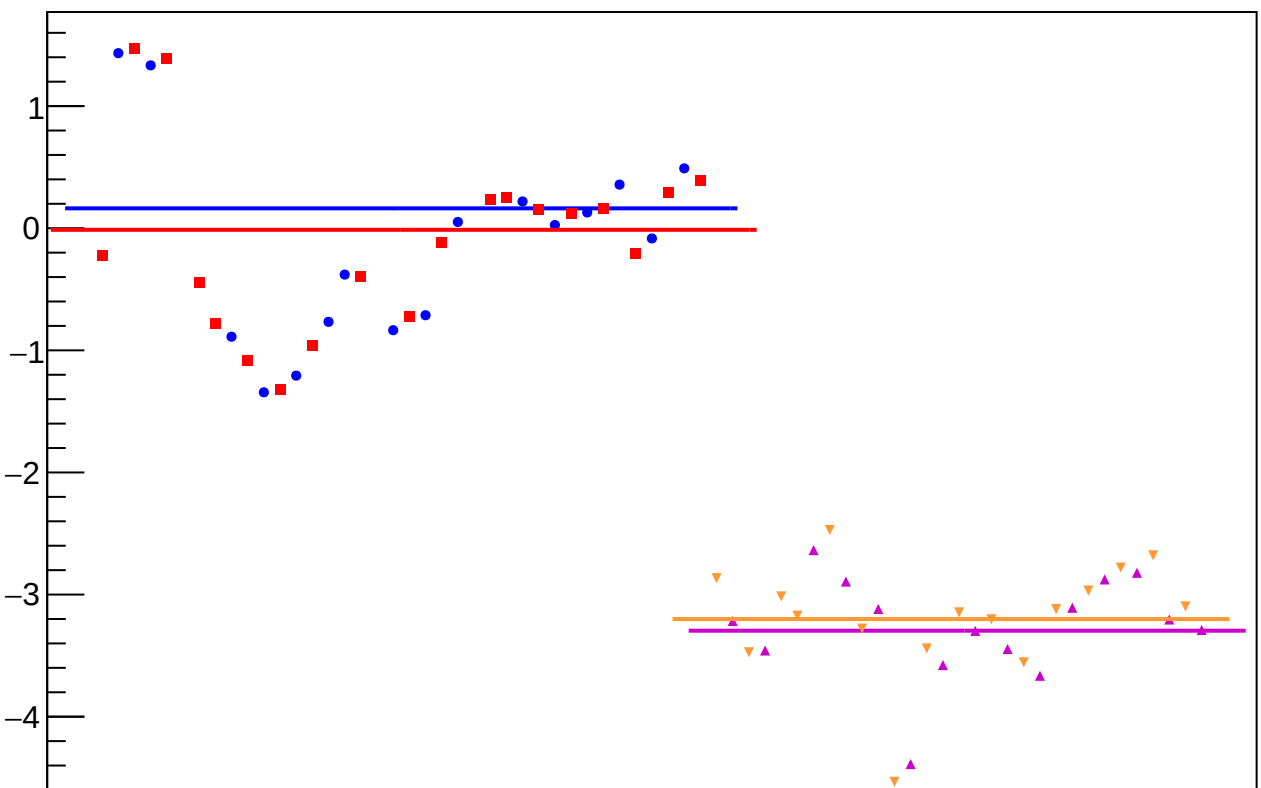
Left In: 0.010+/-0.000 χ^2/NDF:154964.4/14

+ sign 0.007+/-0.000 χ^2/NDF: 2693396.0/31

All: 0.007+/-0.000 χ^2/NDF: 5454332.9/65

- sign 0.007+/-0.000 χ^2/NDF: 2760728.7/33

yield_bpm0l02X_mean vs Slug



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.201+/-0.000 χ^2/NDF:8101871415.0/15

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

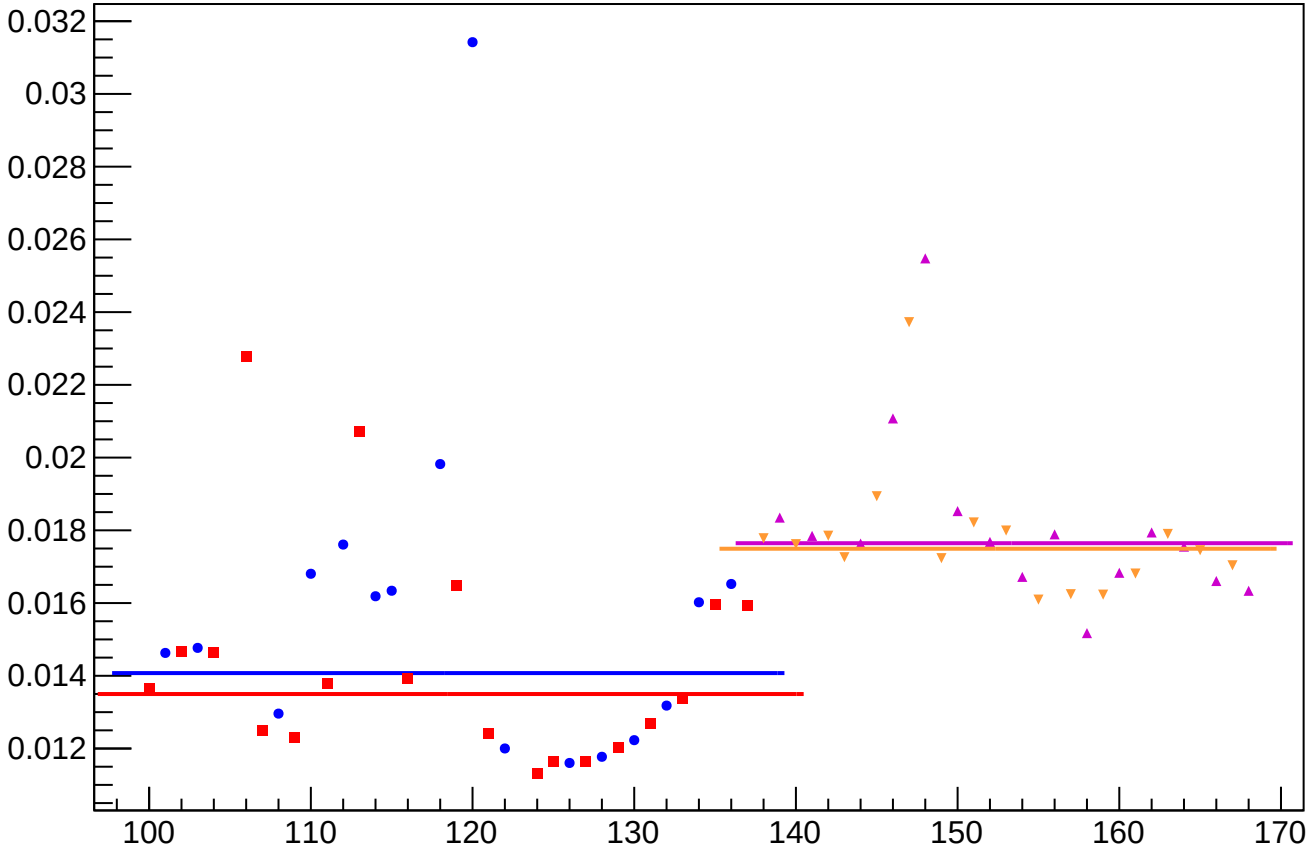
Left In: -3.296+/-0.000 χ^2/NDF:6281609091.4/14

+ sign -1.691+/-0.000 χ^2/NDF: 224480494817.7/31

All: -1.677+/-0.000 χ^2/NDF: 454705400268.1

- sign -1.663+/-0.000 χ^2/NDF: 230197434187.8/33

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:153612.4/15

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

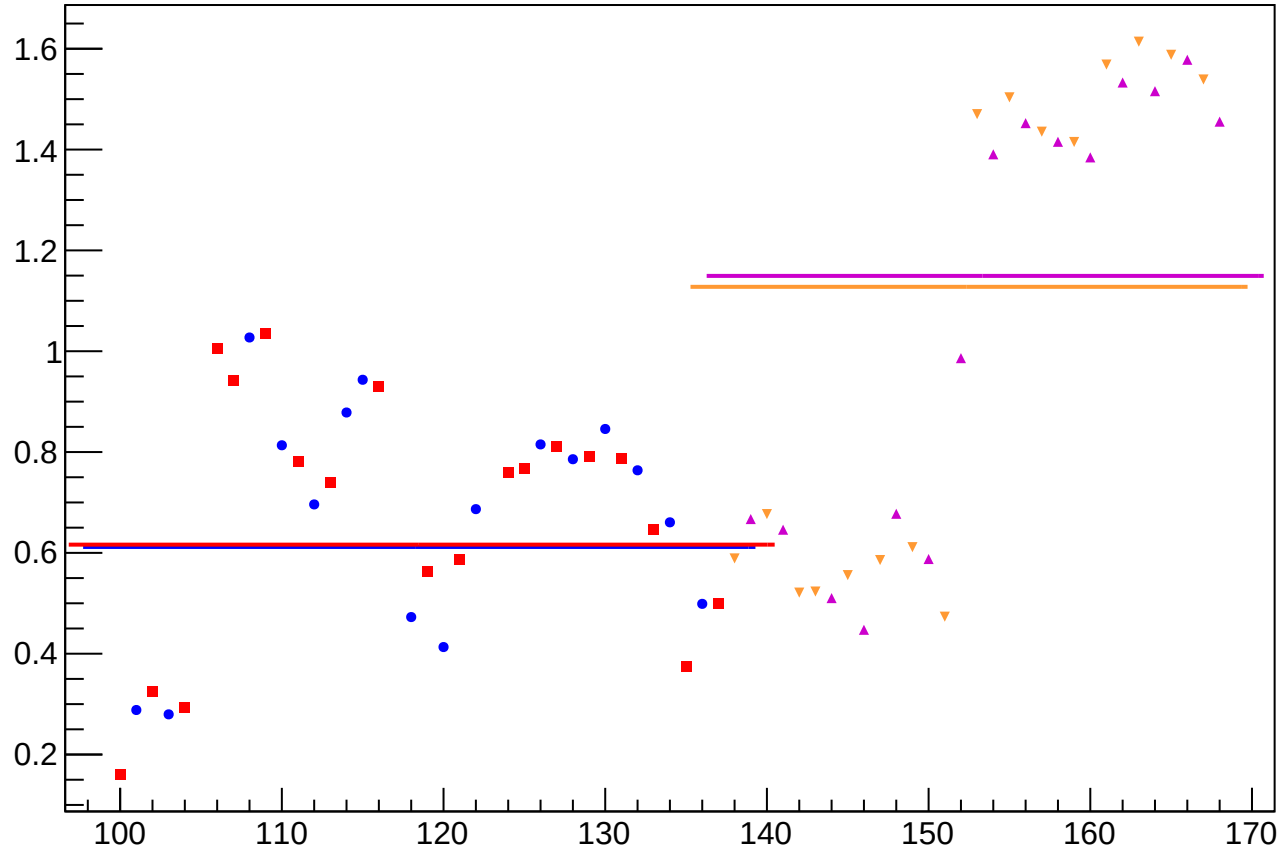
Left In: 0.018+/-0.000 χ^2/NDF:261194.9/14

+ sign 0.016+/-0.000 χ^2/NDF: 1029331.5/31

All: 0.016+/-0.000 χ^2/NDF: 2258631.9/65

- sign 0.016+/-0.000 χ^2/NDF: 1219047.5/33

yield_bpm0l02Y_mean vs Slug



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.128+/-0.000 χ^2/NDF:38354570430.5/15

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

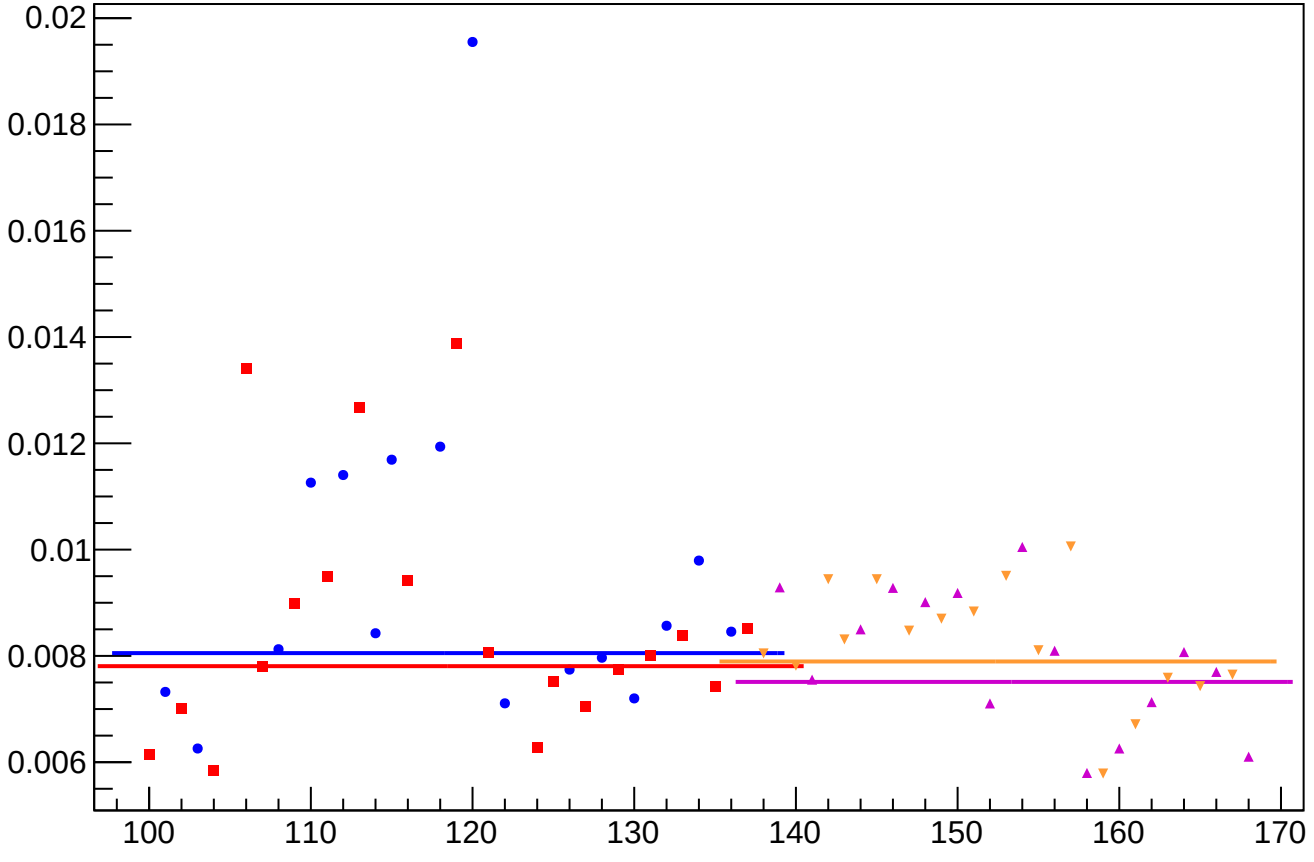
Left In: 1.149+/-0.000 χ^2/NDF:30950918841.0/14

+ sign 0.947+/-0.000 χ^2/NDF: 60353928577.0/31

All: 0.955+/-0.000 χ^2/NDF: 117084599681.1

- sign 0.961+/-0.000 χ^2/NDF: 56704206966.1/33

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:467966.5/15

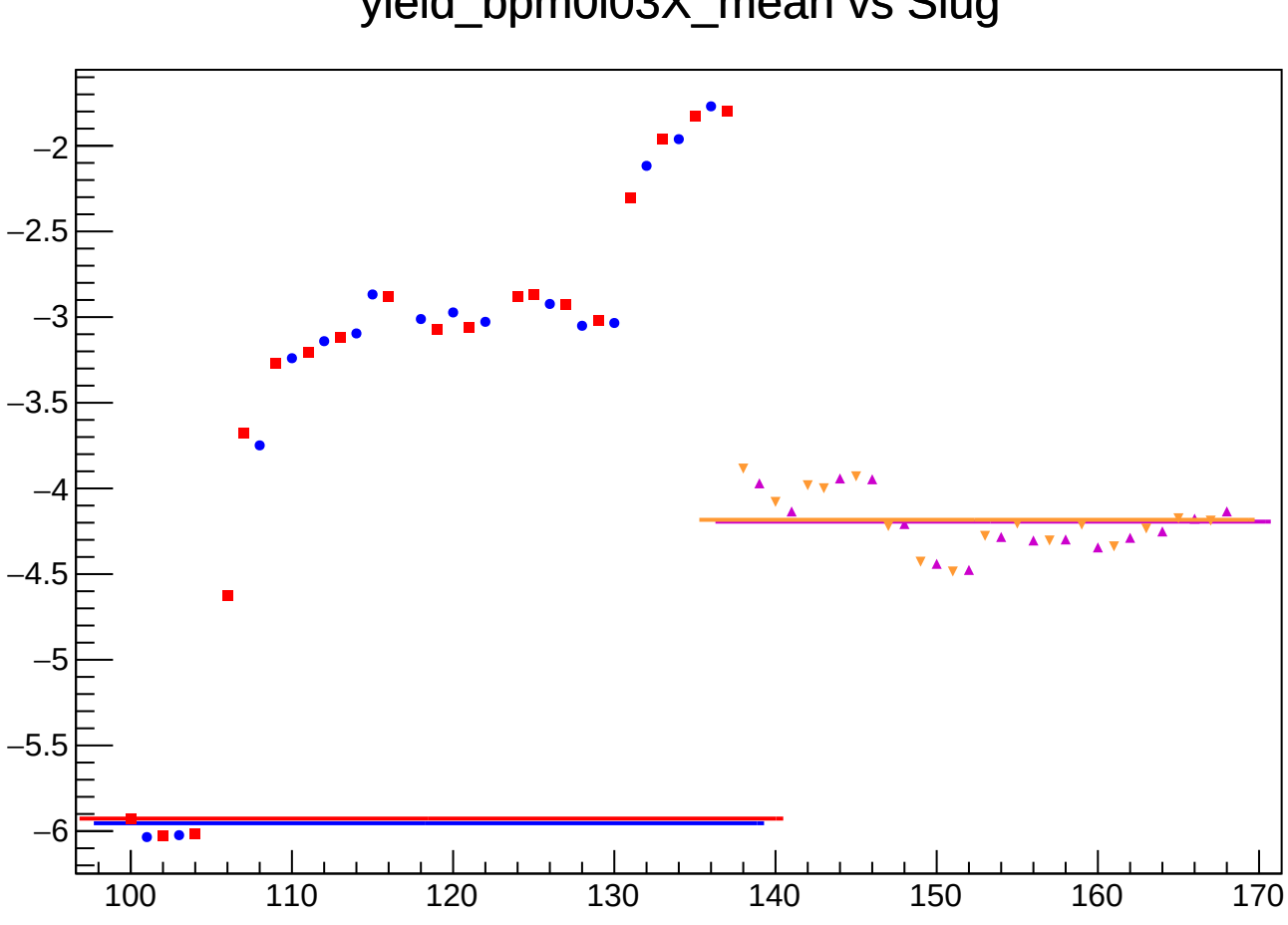
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:639634.7/14

+ sign 0.008+/-0.000 χ^2/NDF: 1069317.3/31

All: 0.008+/-0.000 χ^2/NDF: 2339823.7/65

- sign 0.008+/-0.000 χ^2/NDF: 1238738.3/33



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.183+/-0.000 χ^2/NDF:52564170.8/15

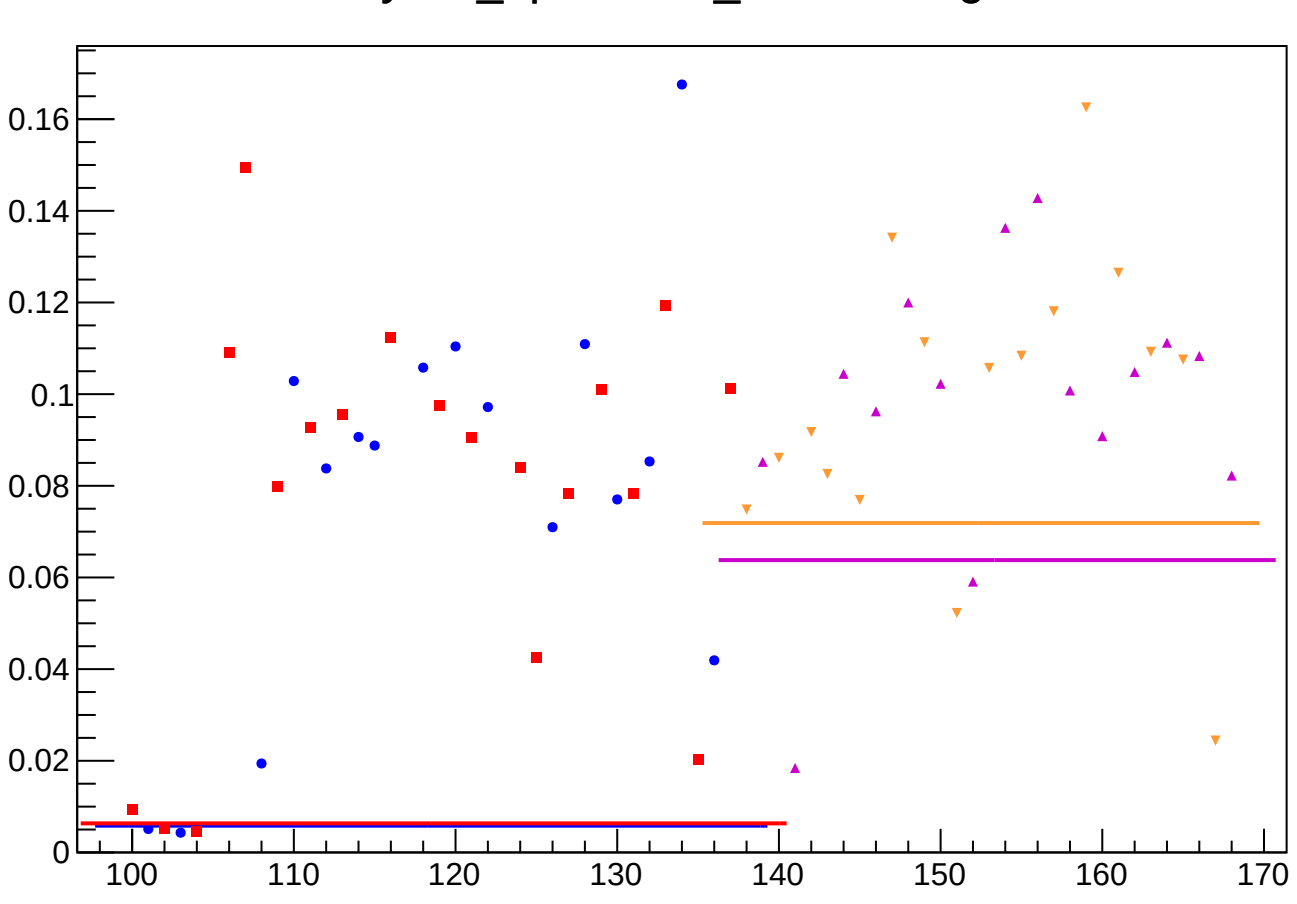
Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.194+/-0.000 χ^2/NDF:40311324.0/14

+ sign -5.900+/-0.000 χ^2/NDF: 18068353662.6/31

All: -5.882+/-0.000 χ^2/NDF: 36972108245.4/

- sign -5.860+/-0.000 χ^2/NDF: 18864893640.3/33



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.072+/-0.000 χ^2/NDF:4209987.0/15

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

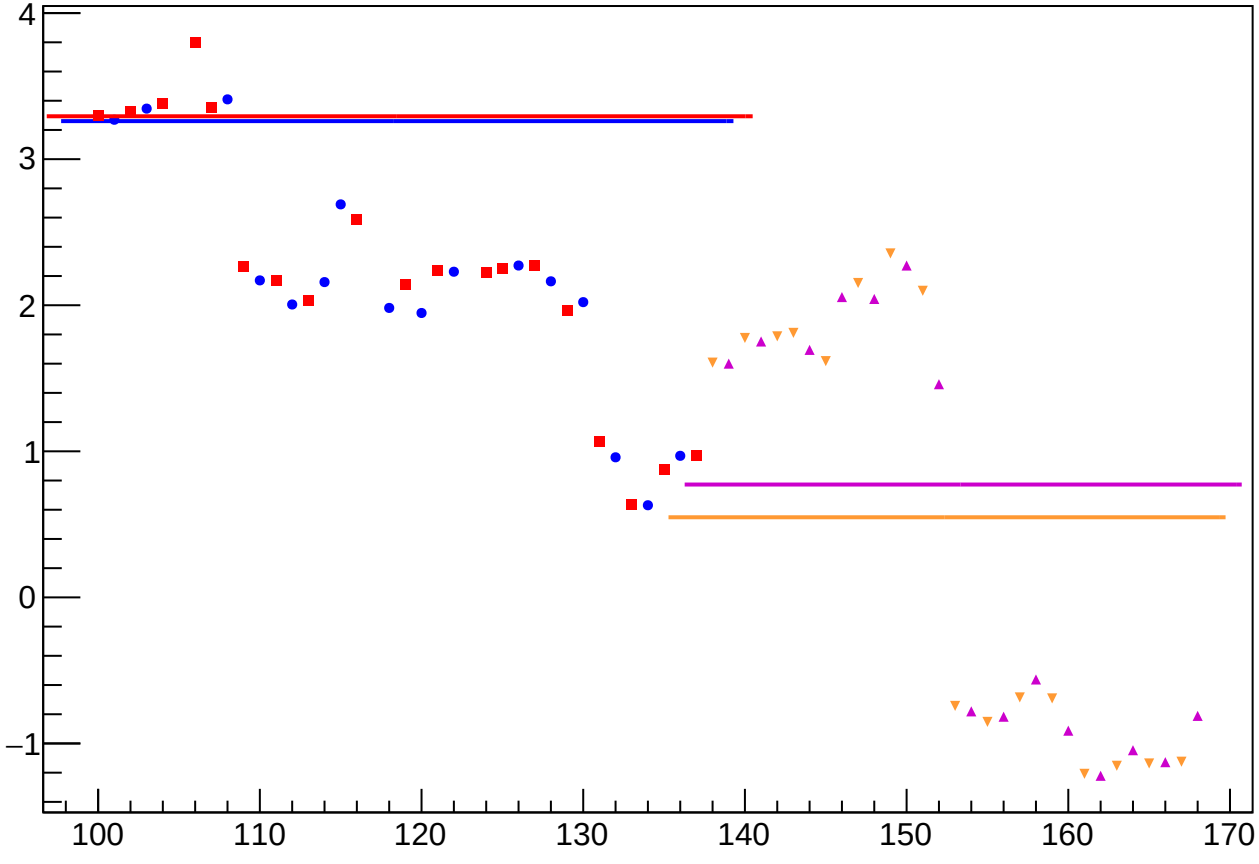
Left In: 0.064+/-0.000 χ^2/NDF:5647503.7/14

+ sign 0.008+/-0.000 χ^2/NDF: 26577749.0/31

All: 0.008+/-0.000 χ^2/NDF: 51771814.5/65

- sign 0.009+/-0.000 χ^2/NDF: 25169850.1/33

yield_bpm0l03Y_mean vs Slug



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.548+/-0.000 χ^2/NDF:2803422920.4/15

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

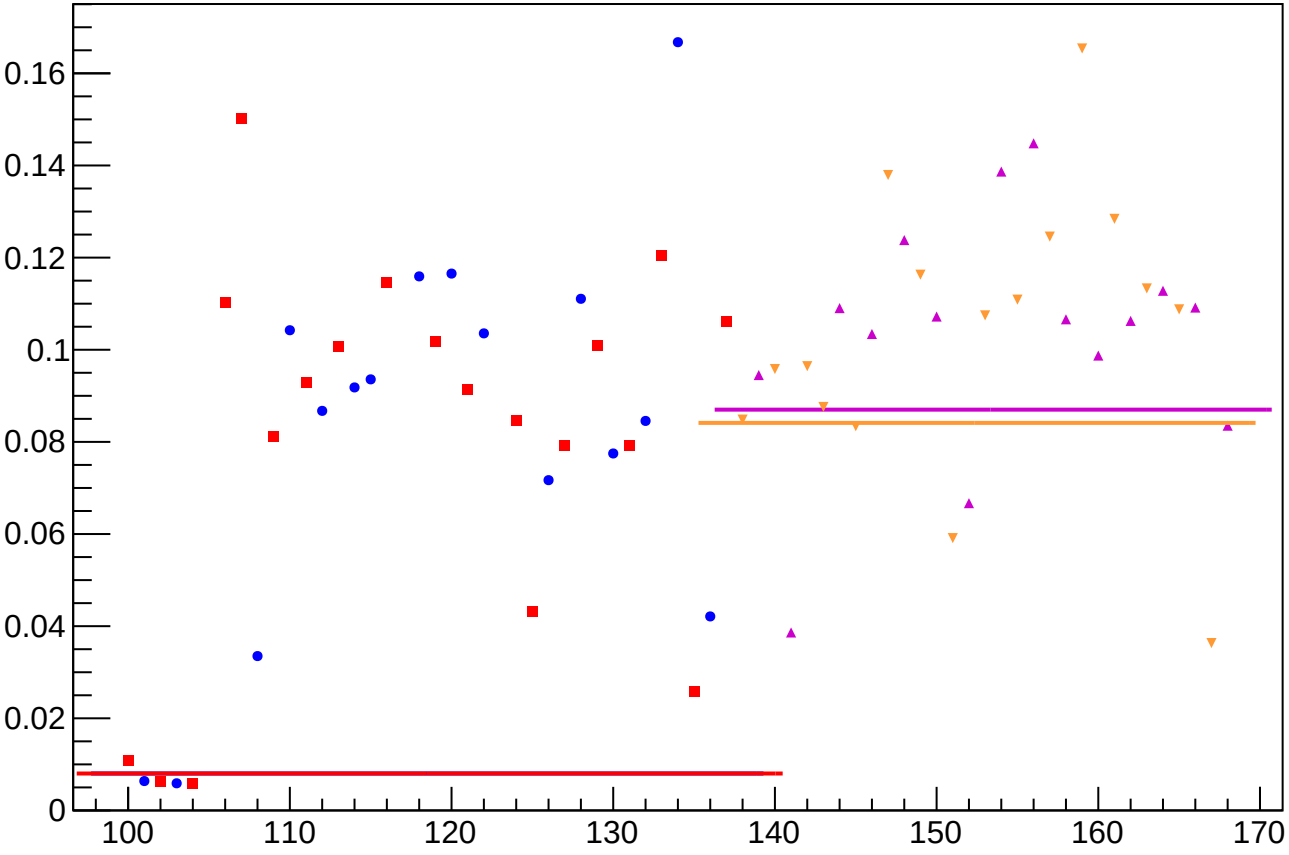
Left In: 0.773+/-0.000 χ^2/NDF:2008349692.1/14

+ sign 3.151+/-0.000 χ^2/NDF: 15056575308.6/31

All: 3.173+/-0.000 χ^2/NDF: 27501327453.5/6

- sign 3.197+/-0.000 χ^2/NDF: 12411657710.4/33

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.084+/-0.000 χ^2/NDF:2748913.3/15

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

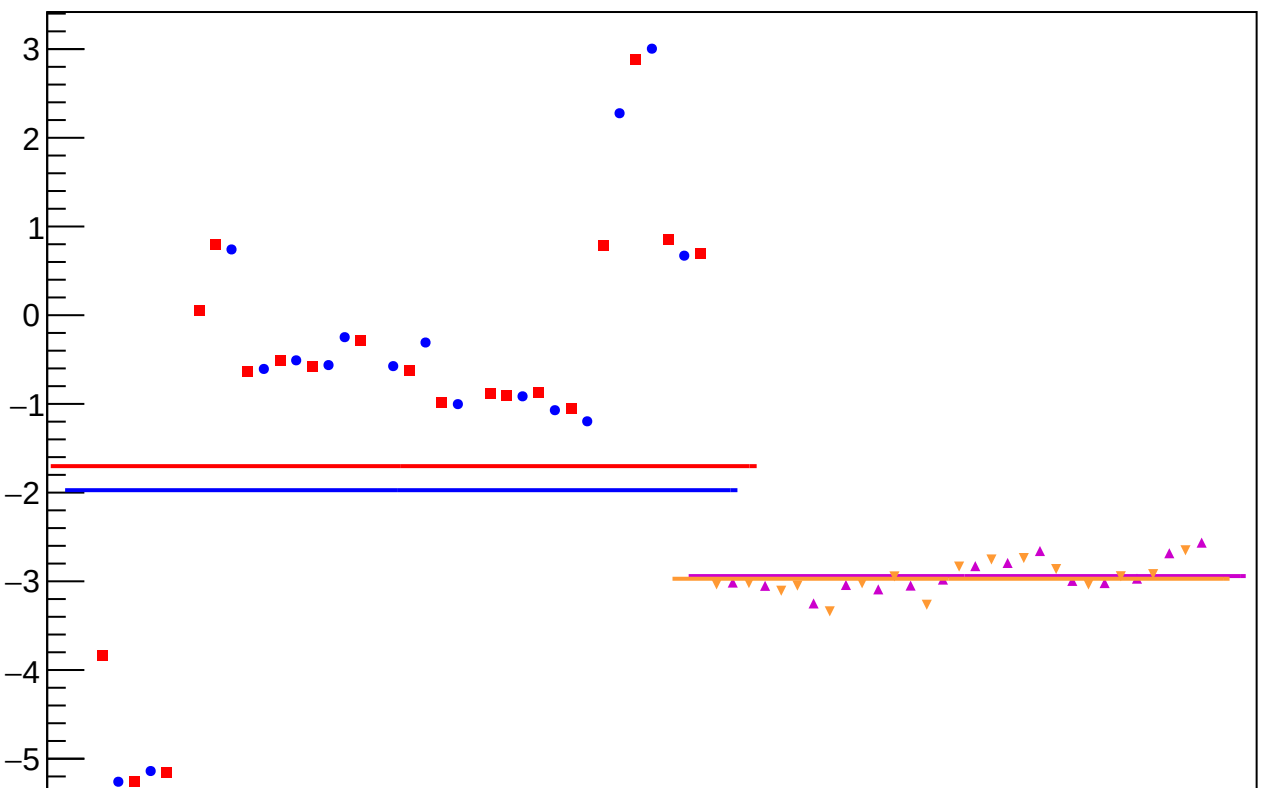
Left In: 0.087+/-0.000 χ^2/NDF:2244887.9/14

+ sign 0.011+/-0.000 χ^2/NDF: 25721446.6/31

All: 0.011+/-0.000 χ^2/NDF: 50561468.4/65

- sign 0.011+/-0.000 χ^2/NDF: 24839957.9/33

yield_bpm0l04X_mean vs Slug



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.971+/-0.000 χ^2/NDF:5828667808.1/15

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

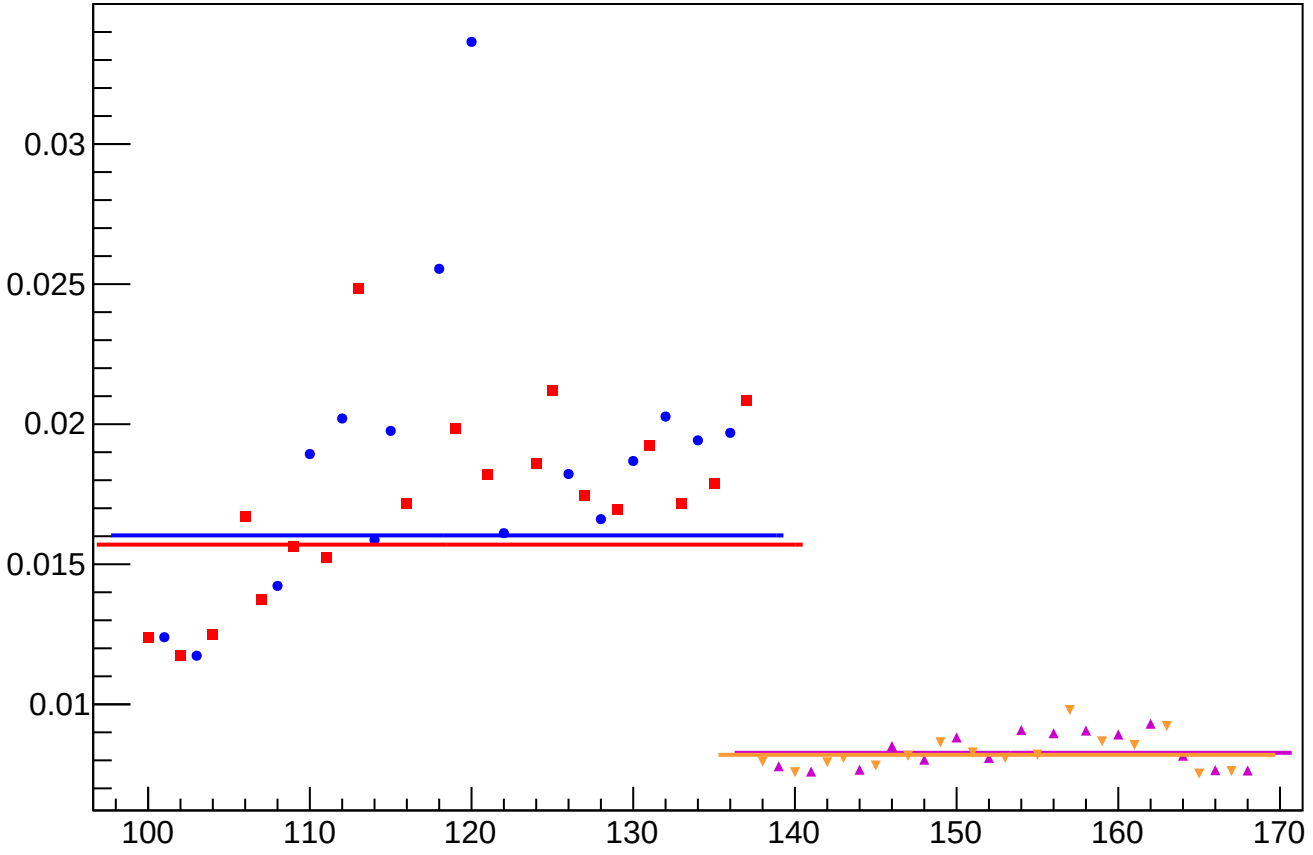
Left In: -2.941+/-0.000 χ^2/NDF:6124705628.1/14

+ sign -2.858+/-0.000 χ^2/NDF: 187823896098.2/31

All: -2.818+/-0.000 χ^2/NDF: 397204688397.1

- sign -2.778+/-0.000 χ^2/NDF: 208755810212.2/33

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:107447.7/15

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

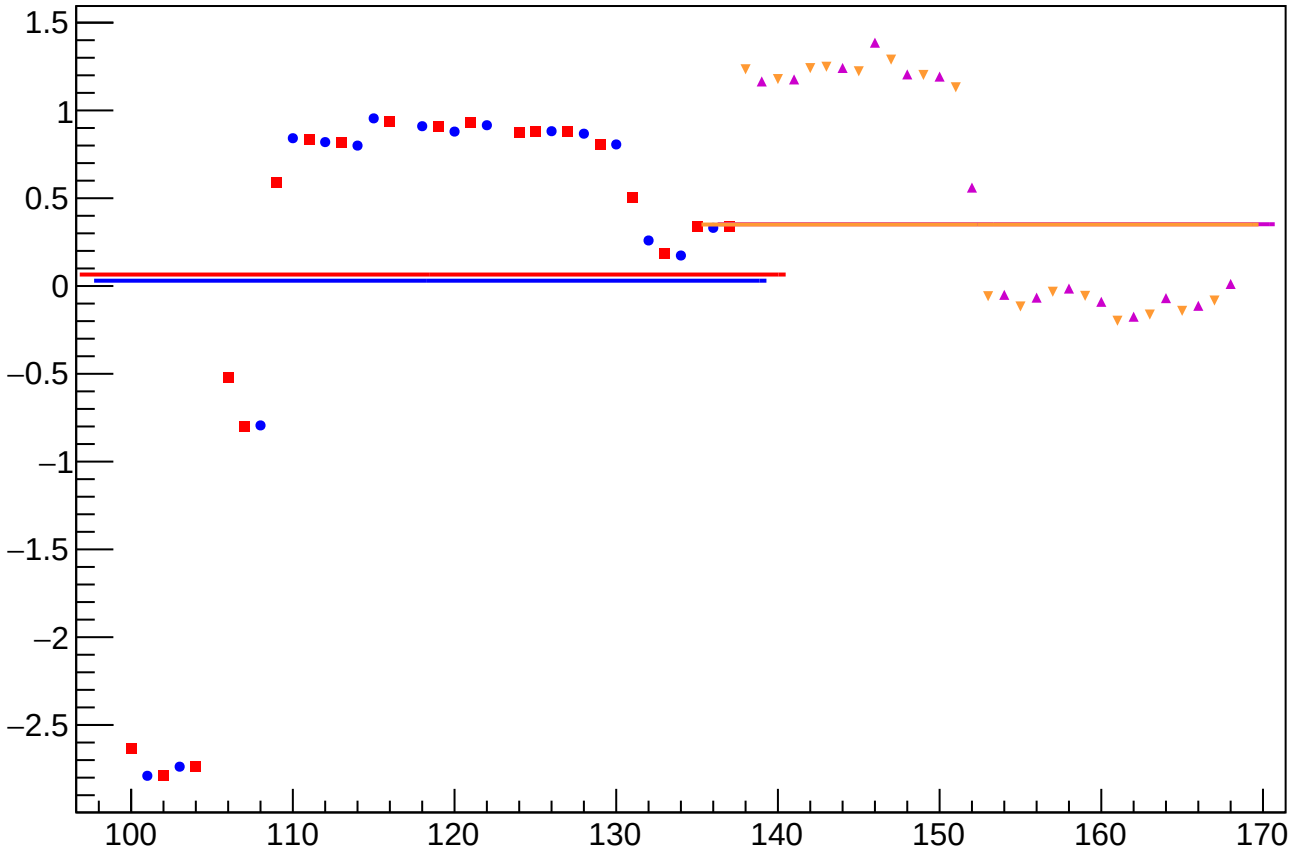
Left In: 0.008+/-0.000 χ^2/NDF:121574.8/14

+ sign 0.009+/-0.000 χ^2/NDF: 3307148.6/31

All: 0.009+/-0.000 χ^2/NDF: 6417039.5/65

- sign 0.009+/-0.000 χ^2/NDF: 3104929.2/33

yield_bpm0l04Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.350+/-0.000 χ^2/NDF:92446587535.7/15

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

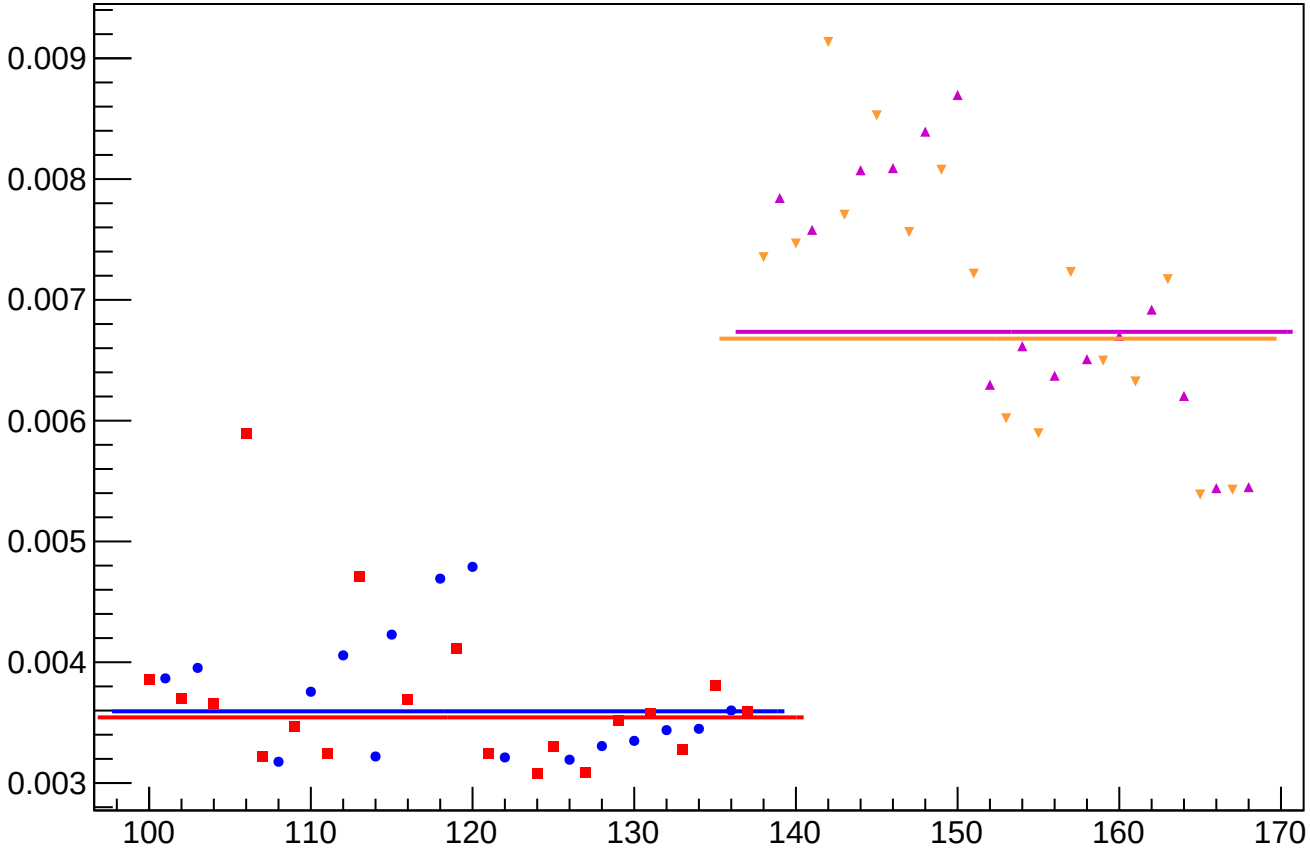
Left In: 0.352+/-0.000 χ^2/NDF:75875632035.5/14

+ sign 0.129+/-0.000 χ^2/NDF: 960608491788.2/31

All: 0.139+/-0.000 χ^2/NDF: 1985396558229.

- sign 0.148+/-0.000 χ^2/NDF: 1024647314920.8/33

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:439567.3/15

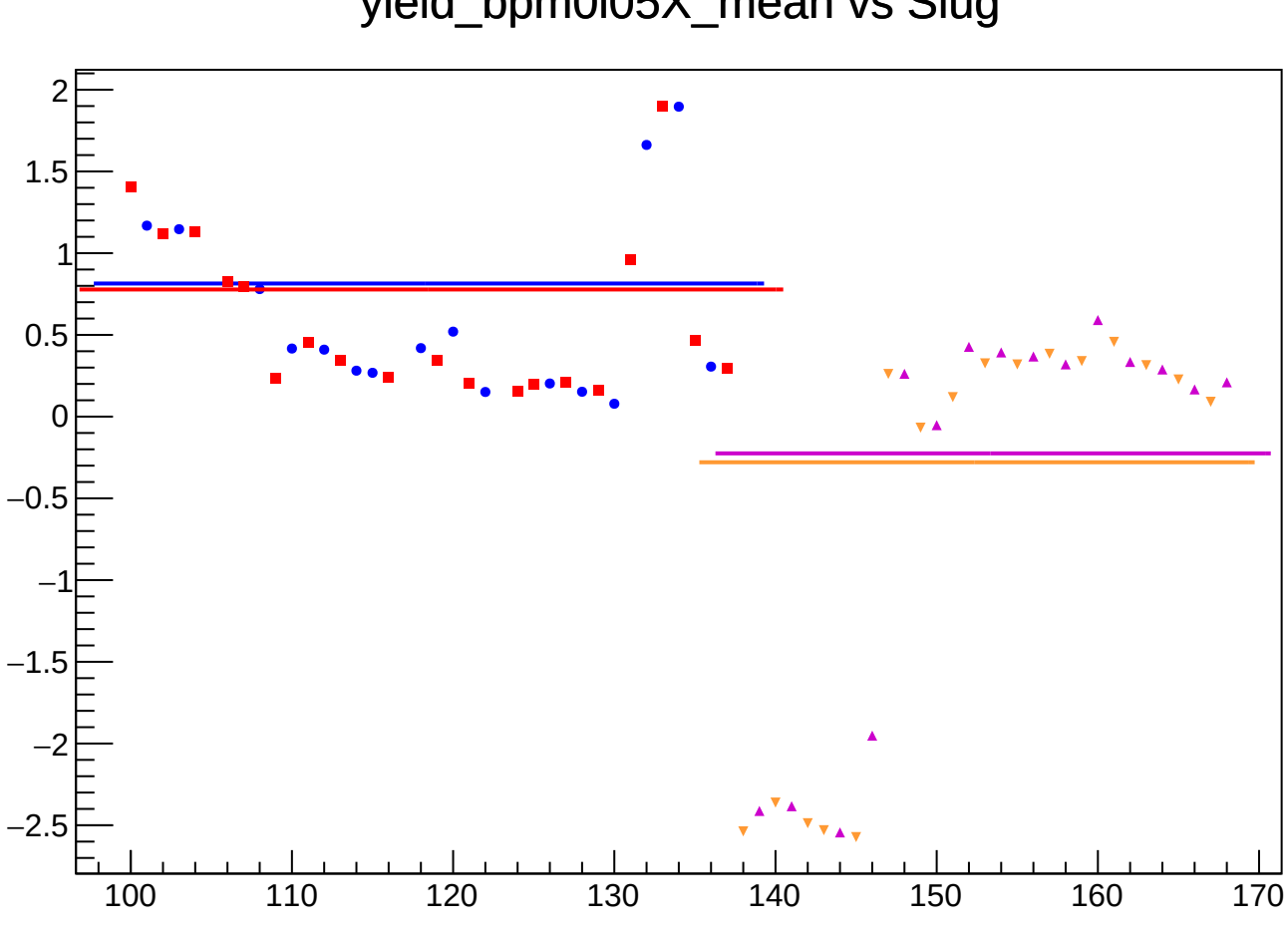
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:431776.5/14

+ sign 0.005+/-0.000 χ^2/NDF: 3684324.3/31

All: 0.005+/-0.000 χ^2/NDF: 7645581.7/65

- sign 0.004+/-0.000 χ^2/NDF: 3956345.6/33



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.279+/-0.000 χ^2/NDF:358075475412.1/15

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

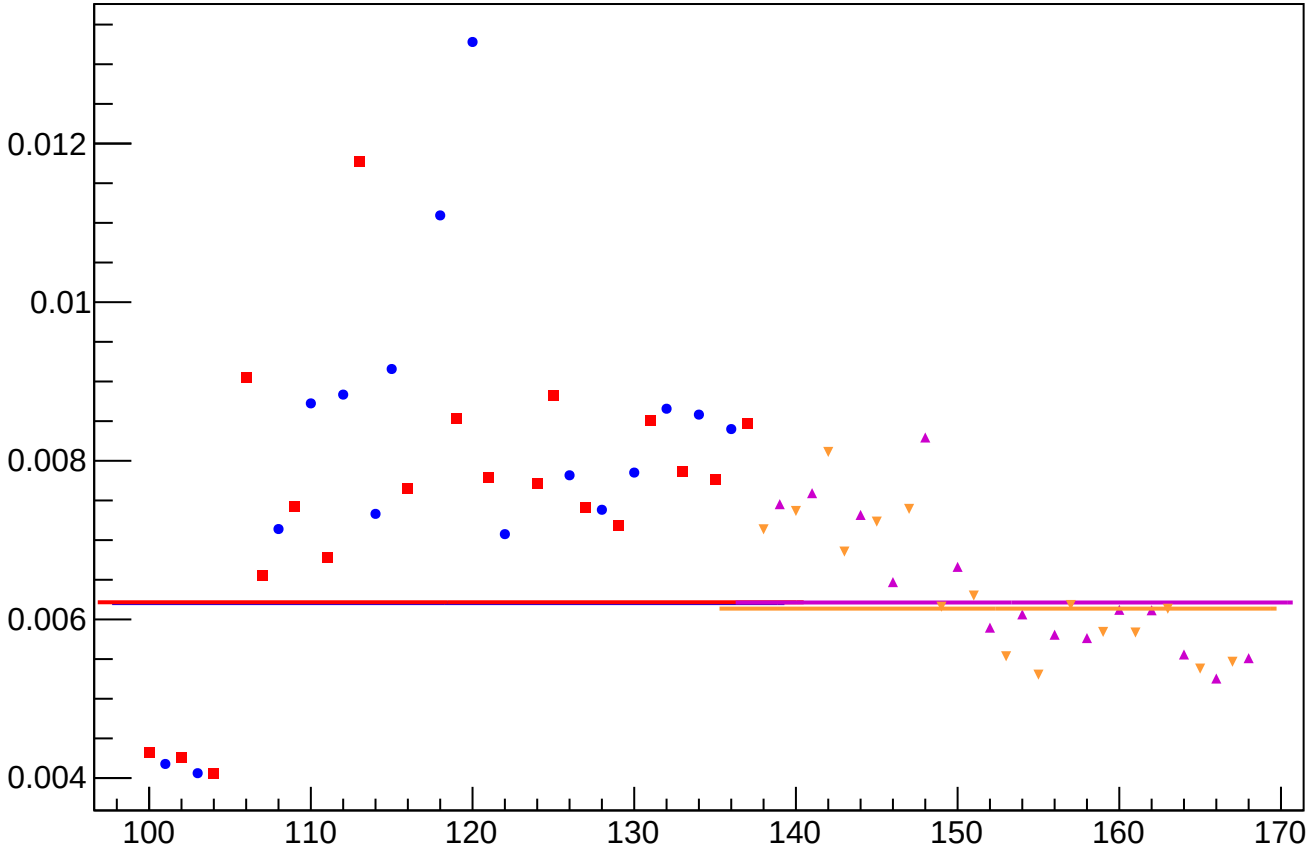
Left In: -0.225+/-0.000 χ^2/NDF:325178726845.4/14

+ sign 0.078+/-0.000 χ^2/NDF: 509639653380.1/31

All: 0.102+/-0.000 χ^2/NDF: 971473098021.8

- sign 0.126+/-0.000 χ^2/NDF: 461322274708.4/33

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:309244.0/15

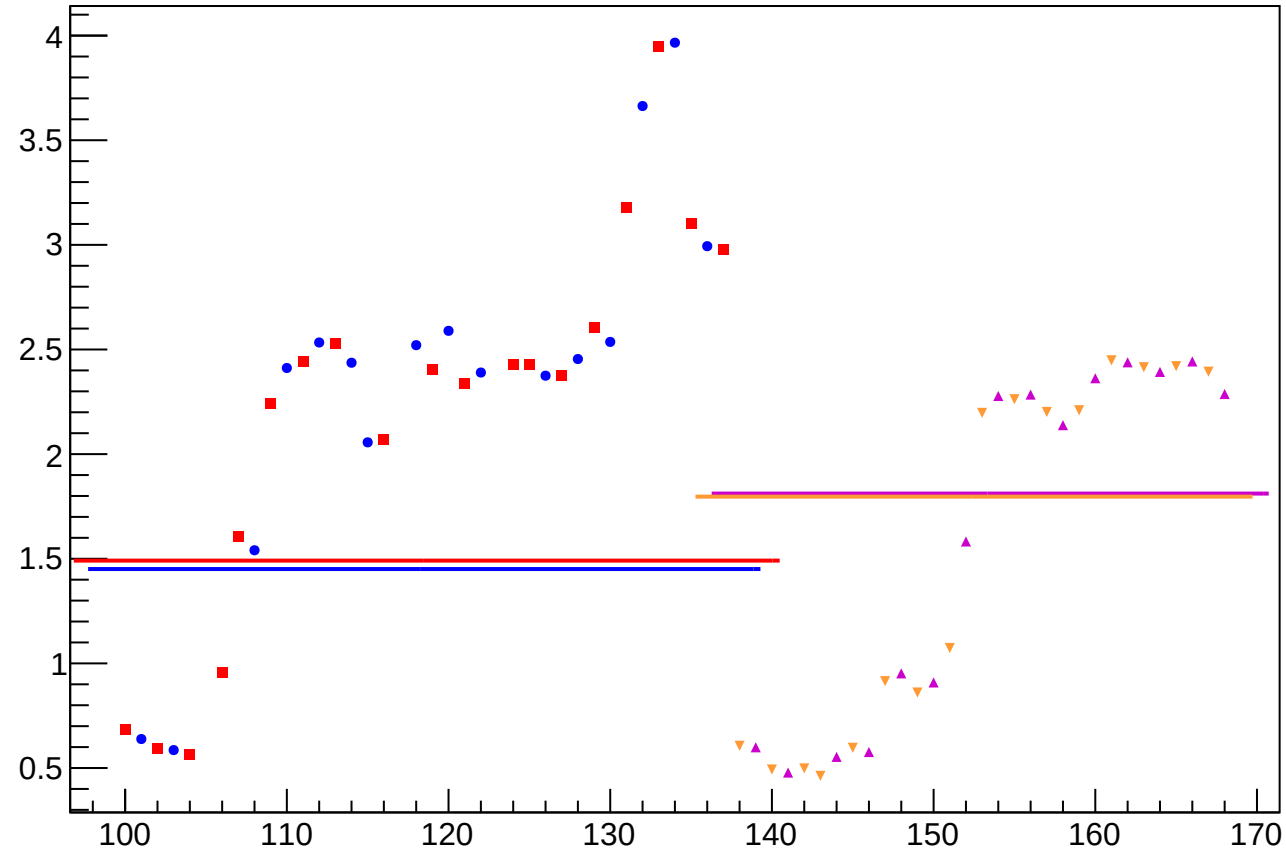
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:333920.3/14

+ sign 0.006+/-0.000 χ^2/NDF: 1734073.9/31

All: 0.006+/-0.000 χ^2/NDF: 3230471.1/65

- sign 0.006+/-0.000 χ^2/NDF: 1495039.9/33



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.797+/-0.000 χ^2/NDF:187989274310.2/15

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

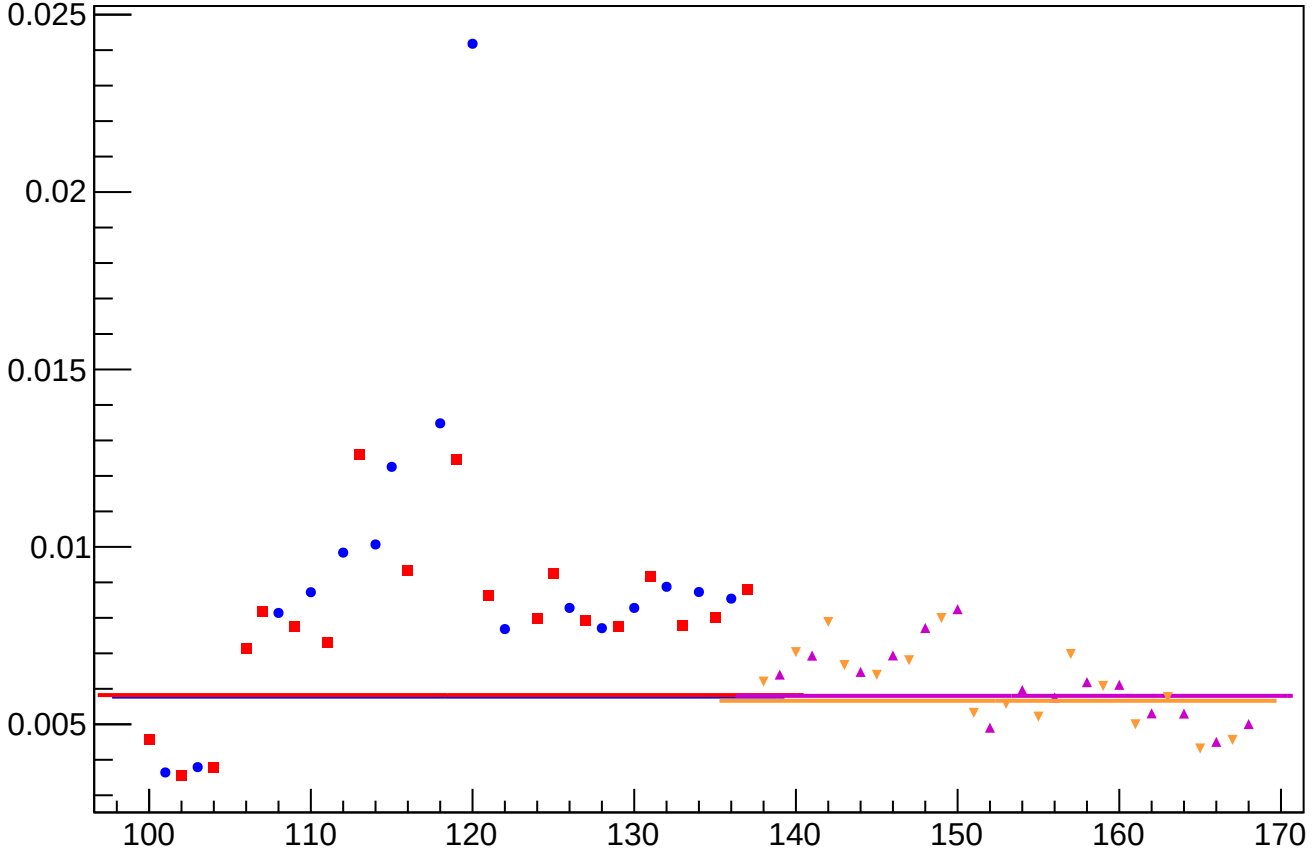
Left In: 1.812+/-0.000 χ^2/NDF:162928308903.1/14

+ sign 1.685+/-0.000 χ^2/NDF: 369761035315.8/31

All: 1.692+/-0.000 χ^2/NDF: 730421078876.5

- sign 1.699+/-0.000 χ^2/NDF: 360615917055.5/33

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:591901.5/15

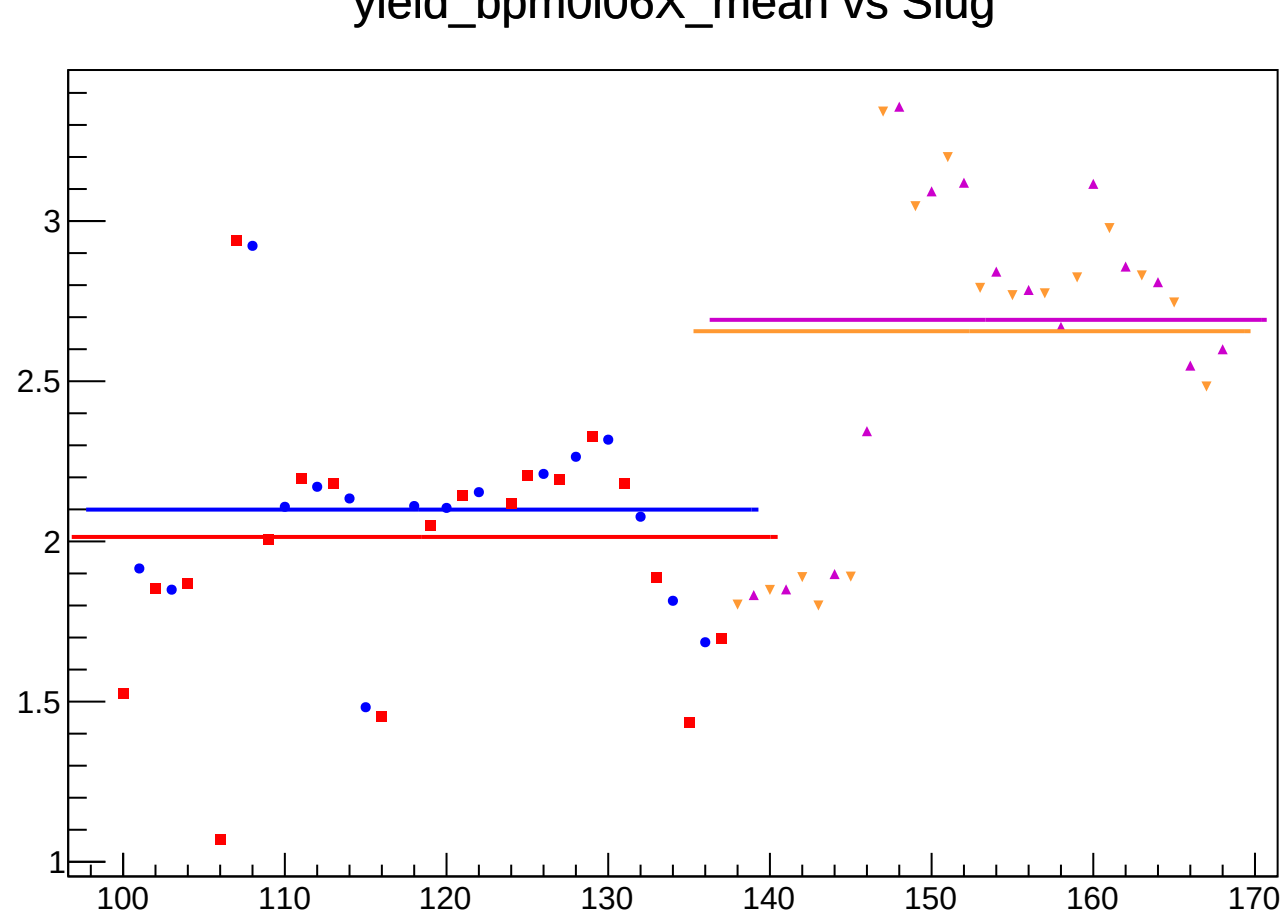
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:512468.3/14

+ sign 0.006+/-0.000 χ^2/NDF: 2808581.5/31

All: 0.006+/-0.000 χ^2/NDF: 5282342.8/65

- sign 0.006+/-0.000 χ^2/NDF: 2468318.7/33



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.656+/-0.000 χ^2/NDF:43394309198.8/15

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

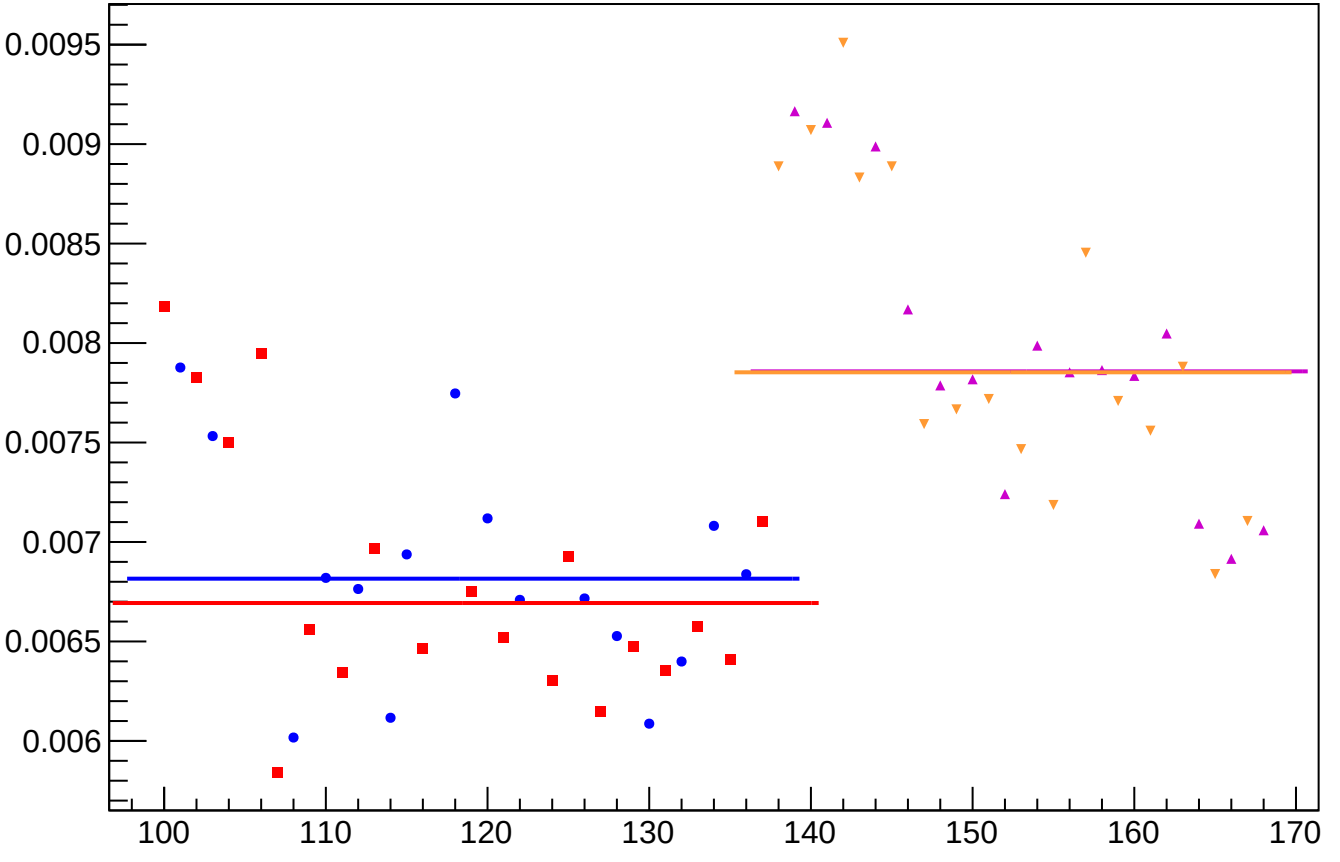
Left In: 2.692+/-0.000 χ^2/NDF:36607932805.3/14

+ sign 2.413+/-0.000 χ^2/NDF: 83030086167.0/31

All: 2.397+/-0.000 χ^2/NDF: 179111324138.1

- sign 2.381+/-0.000 χ^2/NDF: 95904661486.2/33

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:184715.9/15

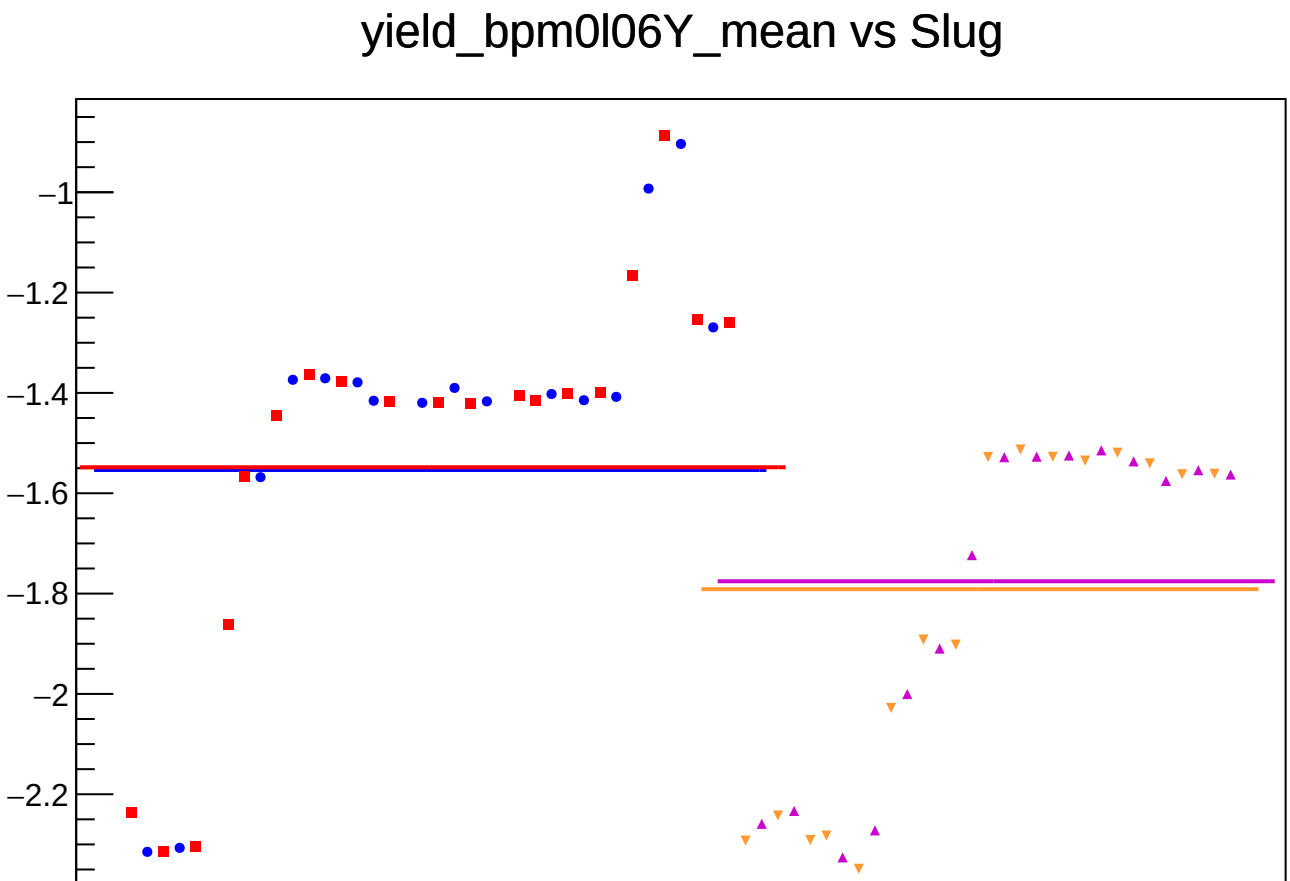
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:161867.1/14

+ sign 0.007+/-0.000 χ^2/NDF: 449920.1/31

All: 0.007+/-0.000 χ^2/NDF: 935976.8/65

- sign 0.007+/-0.000 χ^2/NDF: 484062.7/33



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.791+/-0.000 χ^2/NDF:131320219383.3/15

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

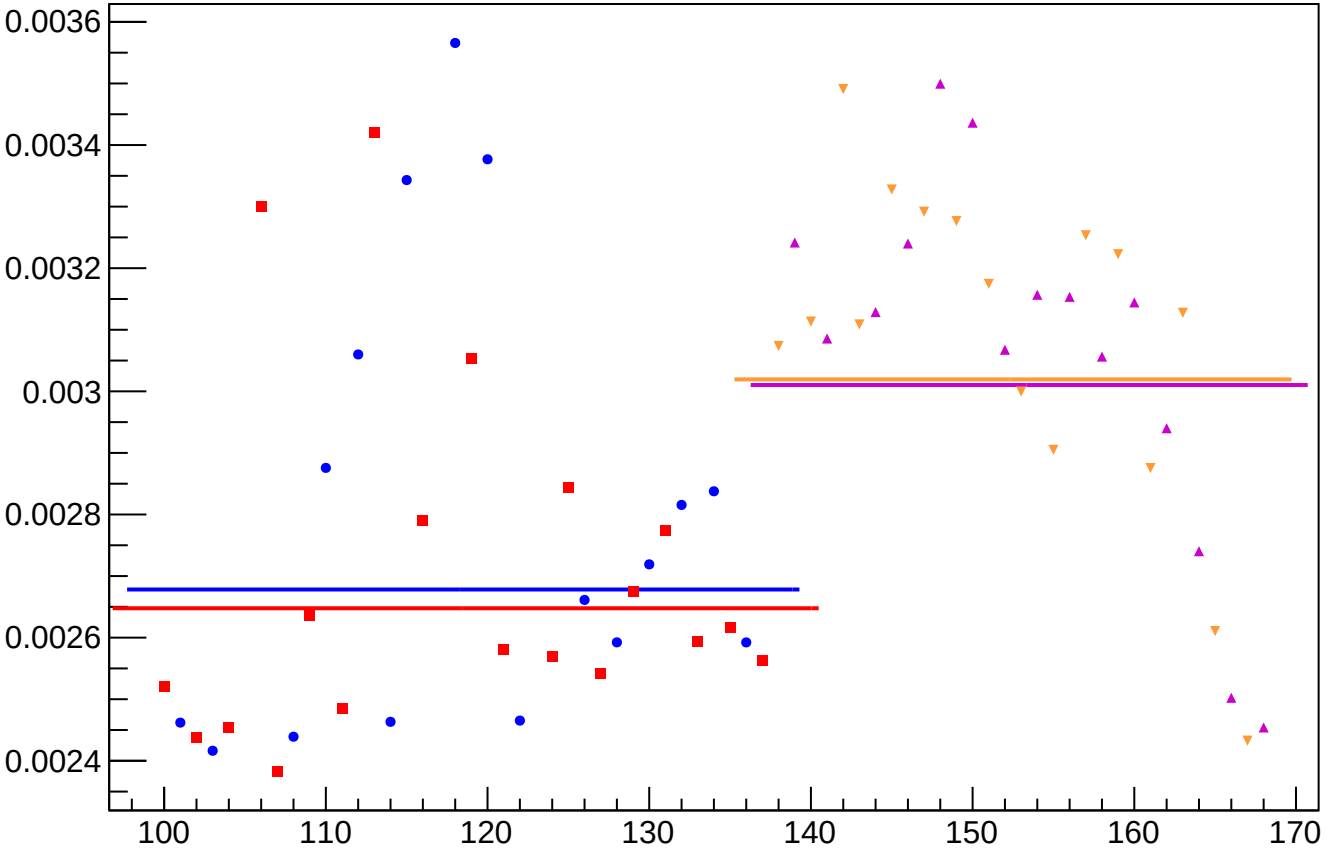
Left In: -1.775+/-0.000 χ^2/NDF:121377943934.1/14

+ sign -1.690+/-0.000 χ^2/NDF: 336827261323.2/31

All: -1.682+/-0.000 χ^2/NDF: 662001942050.6

- sign -1.675+/-0.000 χ^2/NDF: 324917271868.0/33

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:198136.6/15

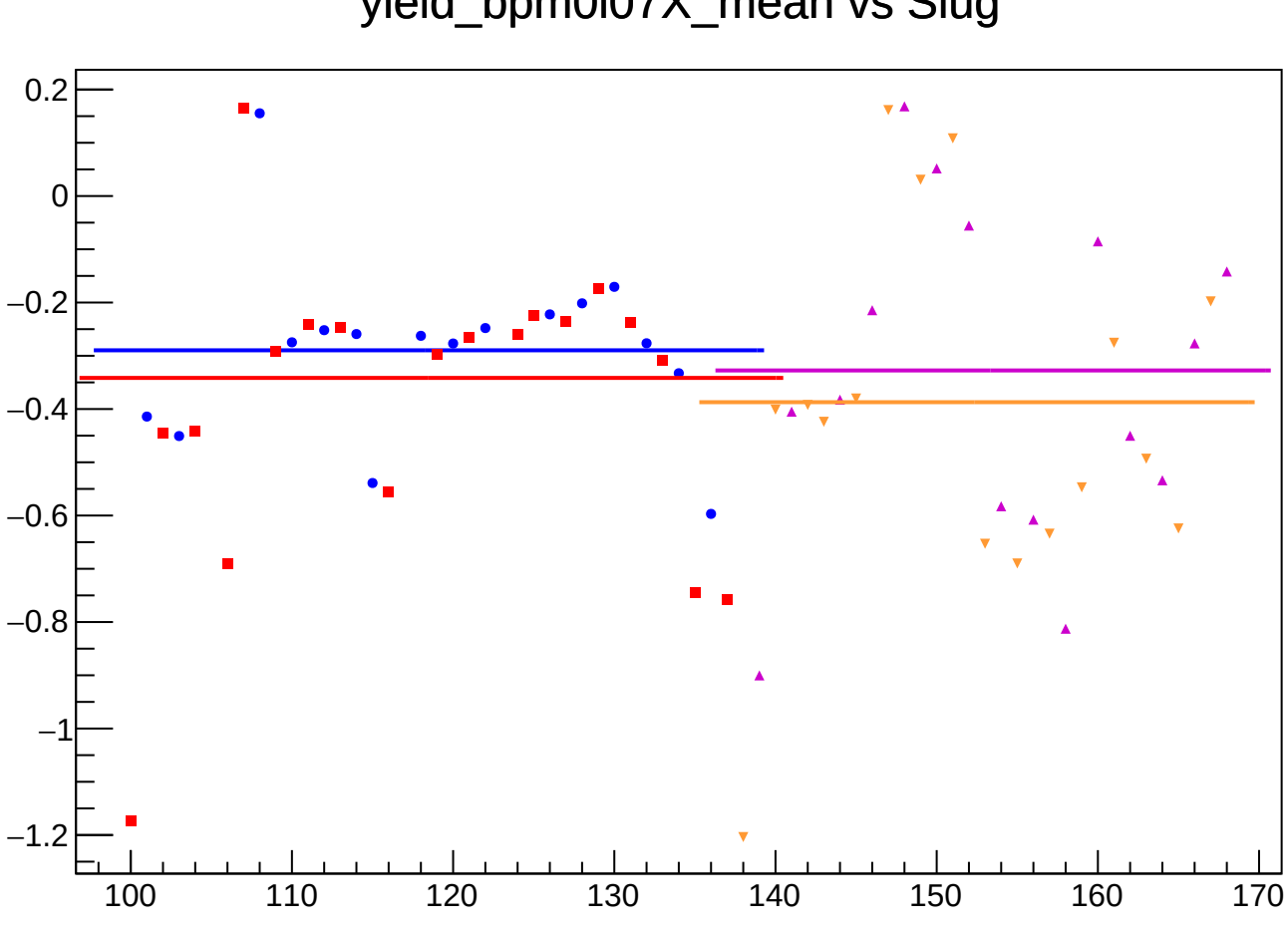
Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:231292.5/14

+ sign 0.003+/-0.000 χ^2/NDF: 481154.5/31

All: 0.003+/-0.000 χ^2/NDF: 976566.9/65

- sign 0.003+/-0.000 χ^2/NDF: 494093.7/33



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.387+/-0.000 χ^2/NDF:7475832128.3/15

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

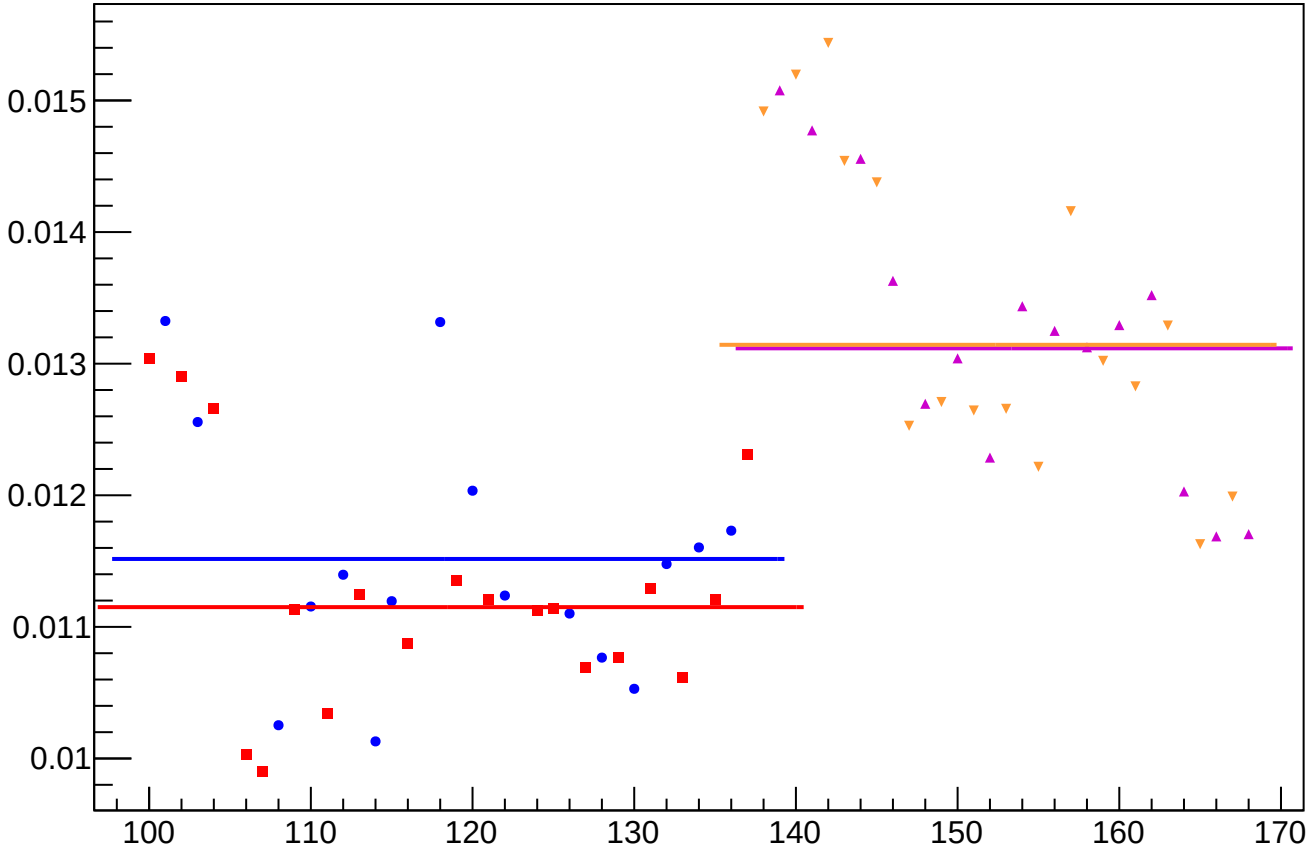
Left In: -0.328+/-0.000 χ^2/NDF:6076061224.6/14

+ sign -0.345+/-0.000 χ^2/NDF: 9401599012.9/31

All: -0.339+/-0.000 χ^2/NDF: 18100440596.8/

- sign -0.334+/-0.000 χ^2/NDF: 8691467311.8/33

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:153647.4/15

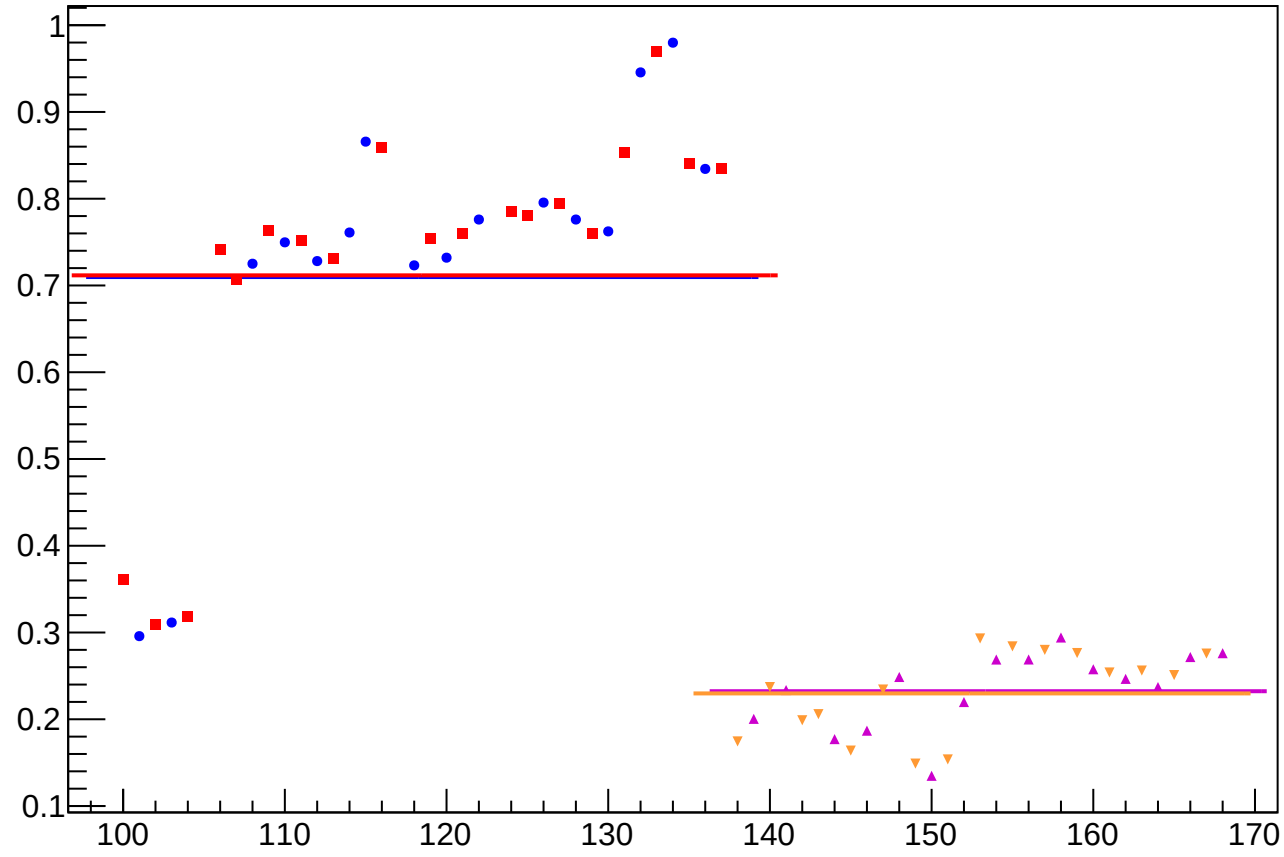
Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:128536.5/14

+ sign 0.012+/-0.000 χ^2/NDF: 394484.5/31

All: 0.012+/-0.000 χ^2/NDF: 842479.7/65

- sign 0.012+/-0.000 χ^2/NDF: 441287.8/33



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.230+/-0.000 χ^2/NDF:6082923307.9/15

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

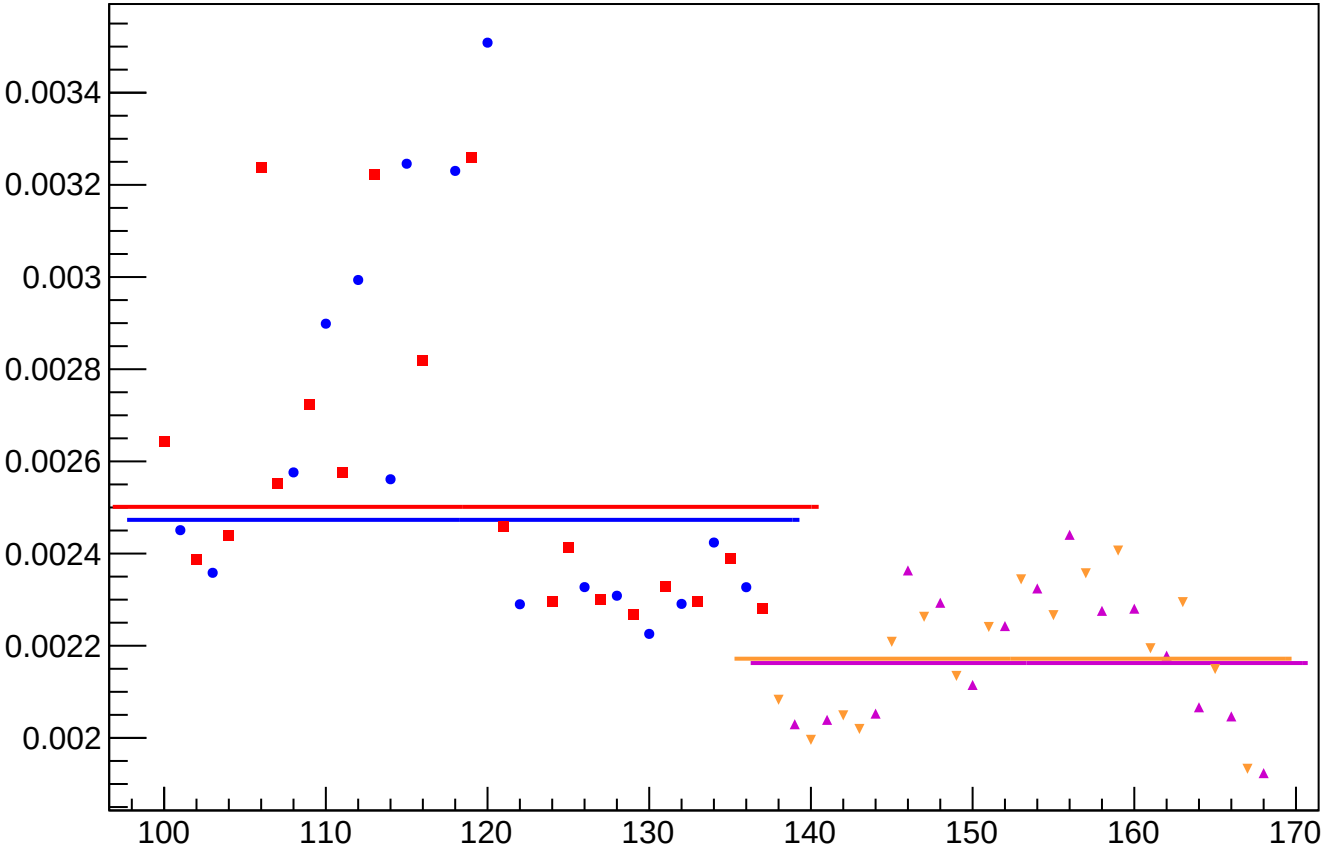
Left In: 0.232+/-0.000 χ^2/NDF:4988262744.7/14

+ sign 0.372+/-0.000 χ^2/NDF: 235451938215.8/31

All: 0.374+/-0.000 χ^2/NDF: 465278444610.1

- sign 0.377+/-0.000 χ^2/NDF: 229796140699.5/33

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:101031.7/15

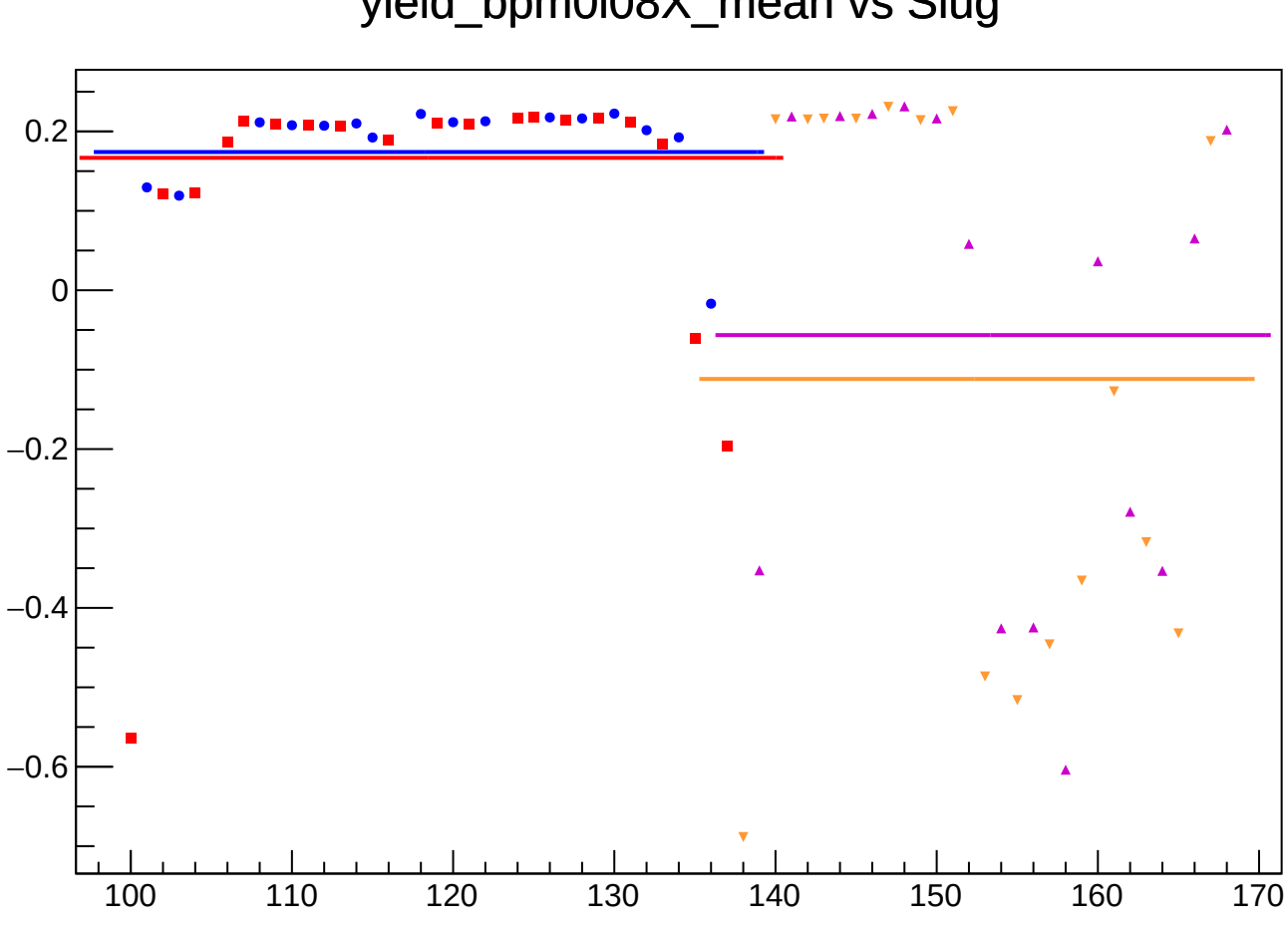
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:111174.7/14

+ sign 0.002+/-0.000 χ^2/NDF: 451272.7/31

All: 0.002+/-0.000 χ^2/NDF: 920509.7/65

- sign 0.002+/-0.000 χ^2/NDF: 469204.9/33



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.112+/-0.000 χ^2/NDF:9138210083.1/15

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

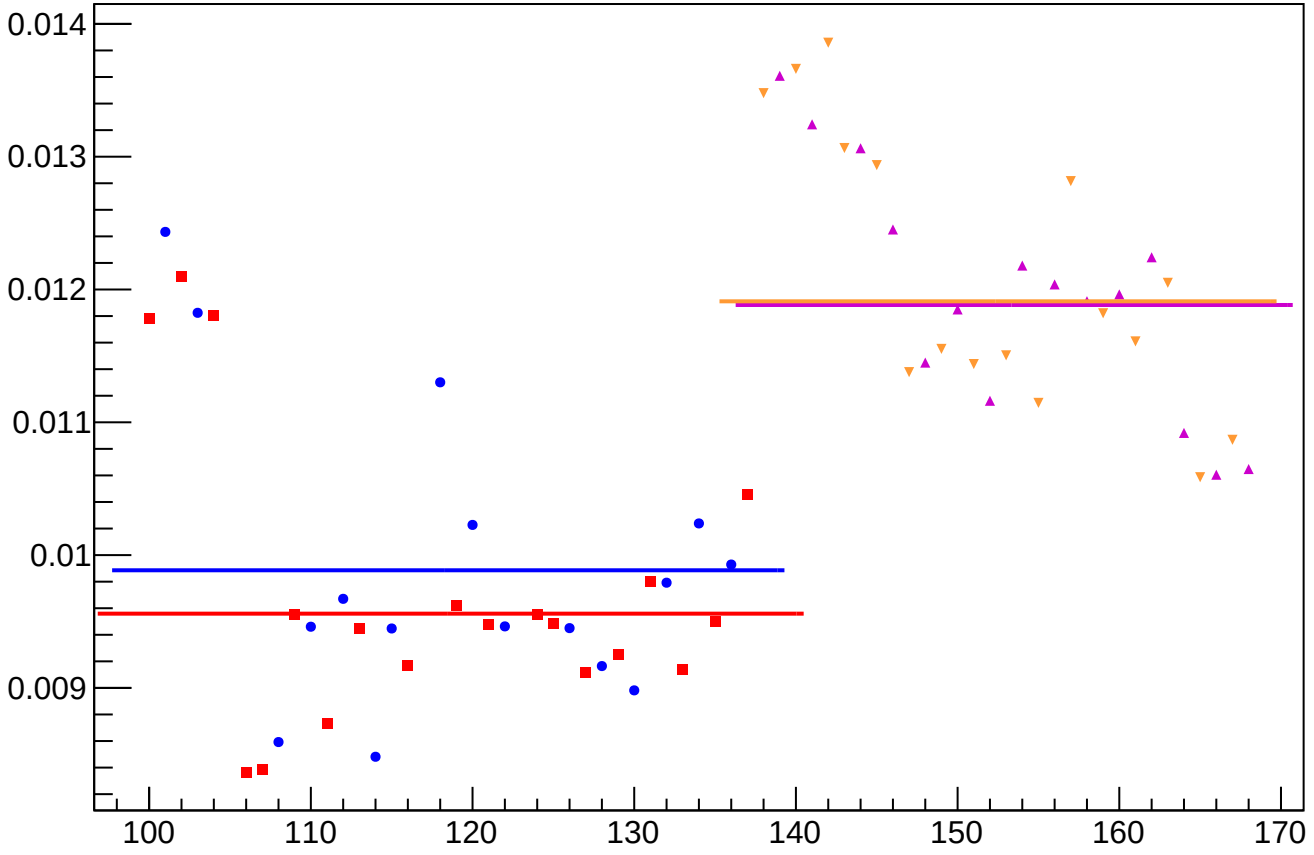
Left In: -0.056+/-0.000 χ^2/NDF:7145483096.4/14

+ sign 0.019+/-0.000 χ^2/NDF: 12653398799.2/31

All: 0.036+/-0.000 χ^2/NDF: 22791208053.3/6

- sign 0.053+/-0.000 χ^2/NDF: 10048405332.4/33

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:140444.1/15

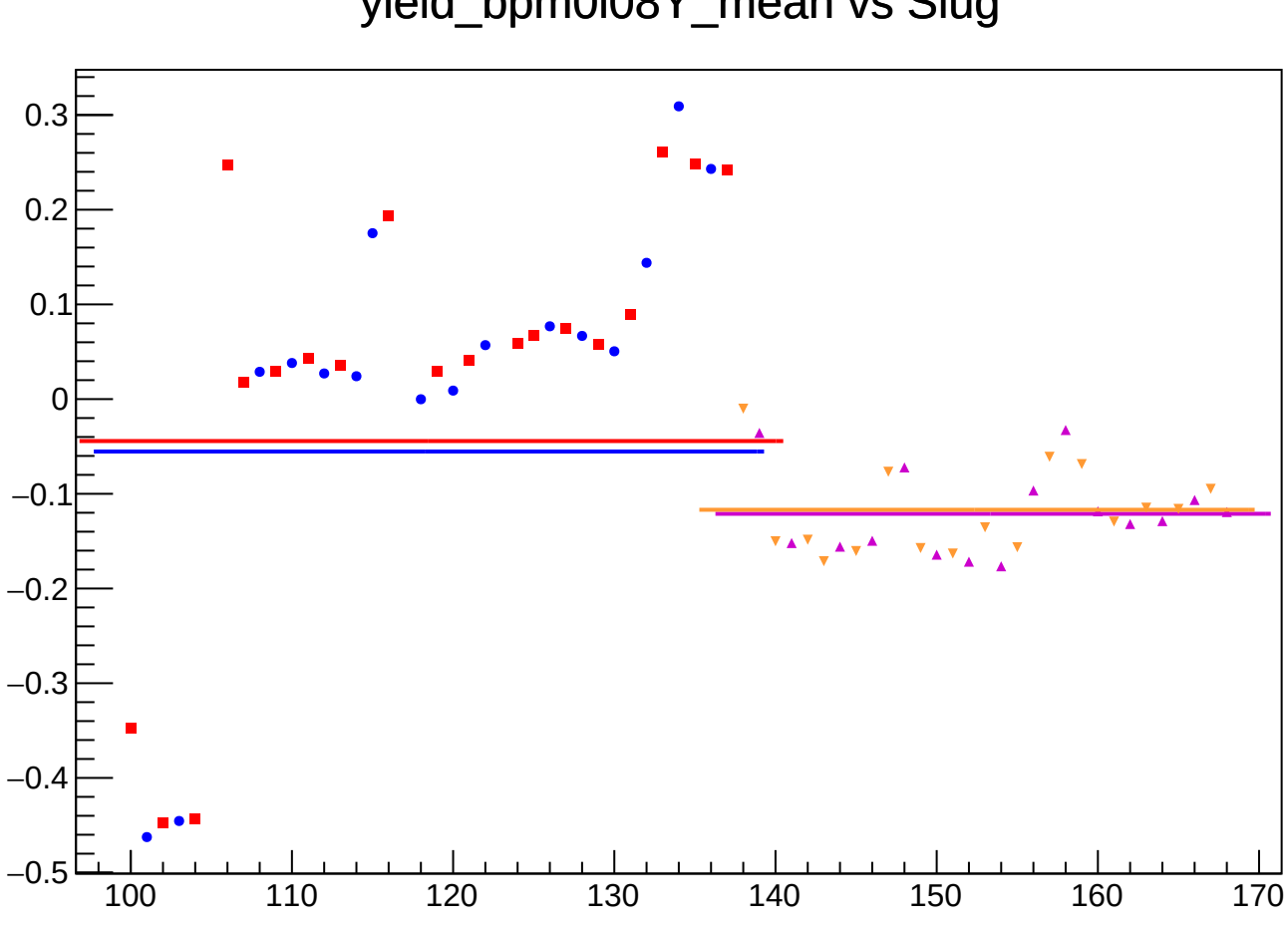
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:119531.9/14

+ sign 0.011+/-0.000 χ^2/NDF: 601753.8/31

All: 0.011+/-0.000 χ^2/NDF: 1301988.0/65

- sign 0.011+/-0.000 χ^2/NDF: 691354.0/33



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.117+/-0.000 χ^2/NDF:2795985414.2/15

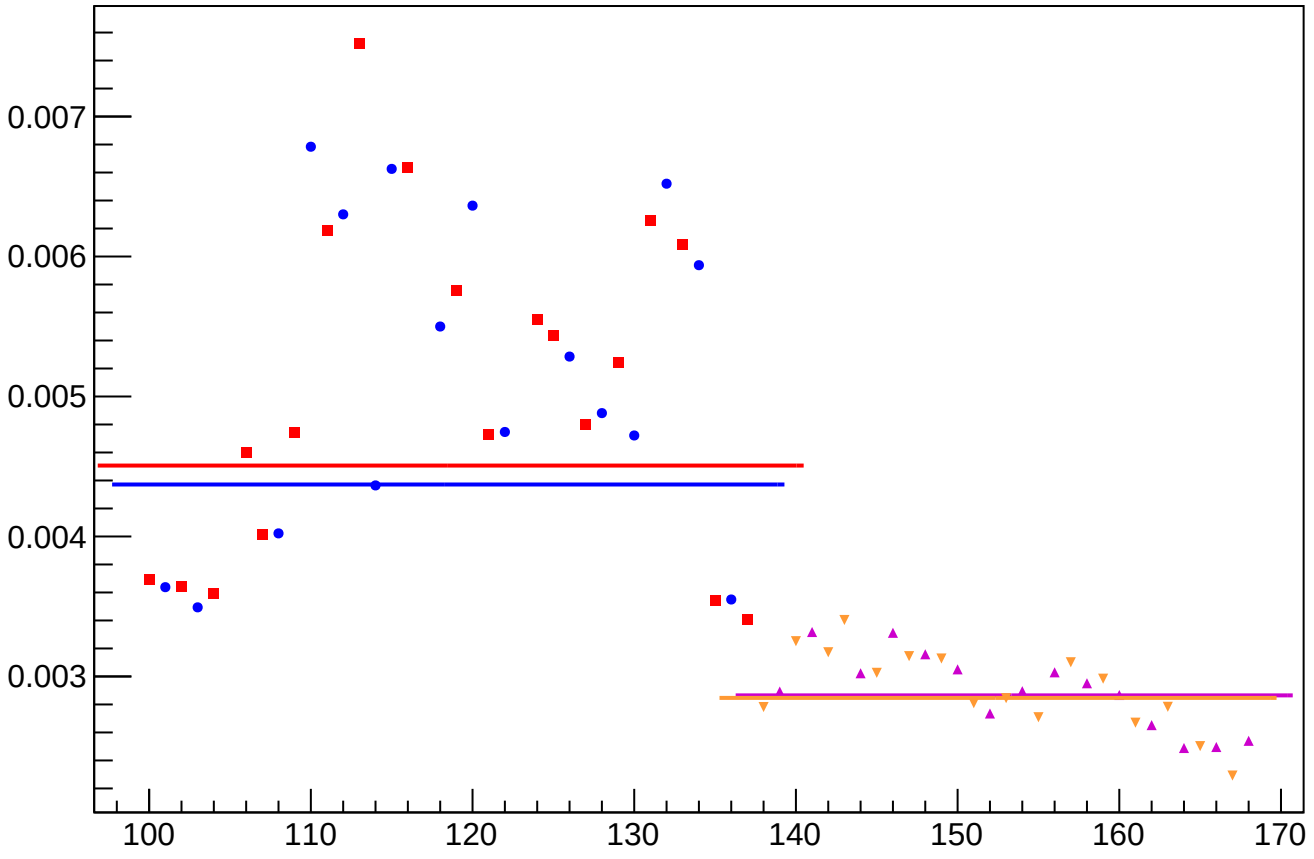
Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.121+/-0.000 χ^2/NDF:2759317058.8/14

+ sign -0.106+/-0.000 χ^2/NDF: 27870475988.1/31

All: -0.107+/-0.000 χ^2/NDF: 54287718486.8/

- sign -0.107+/-0.000 χ^2/NDF: 26415676792.5/33



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:247006.9/15

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

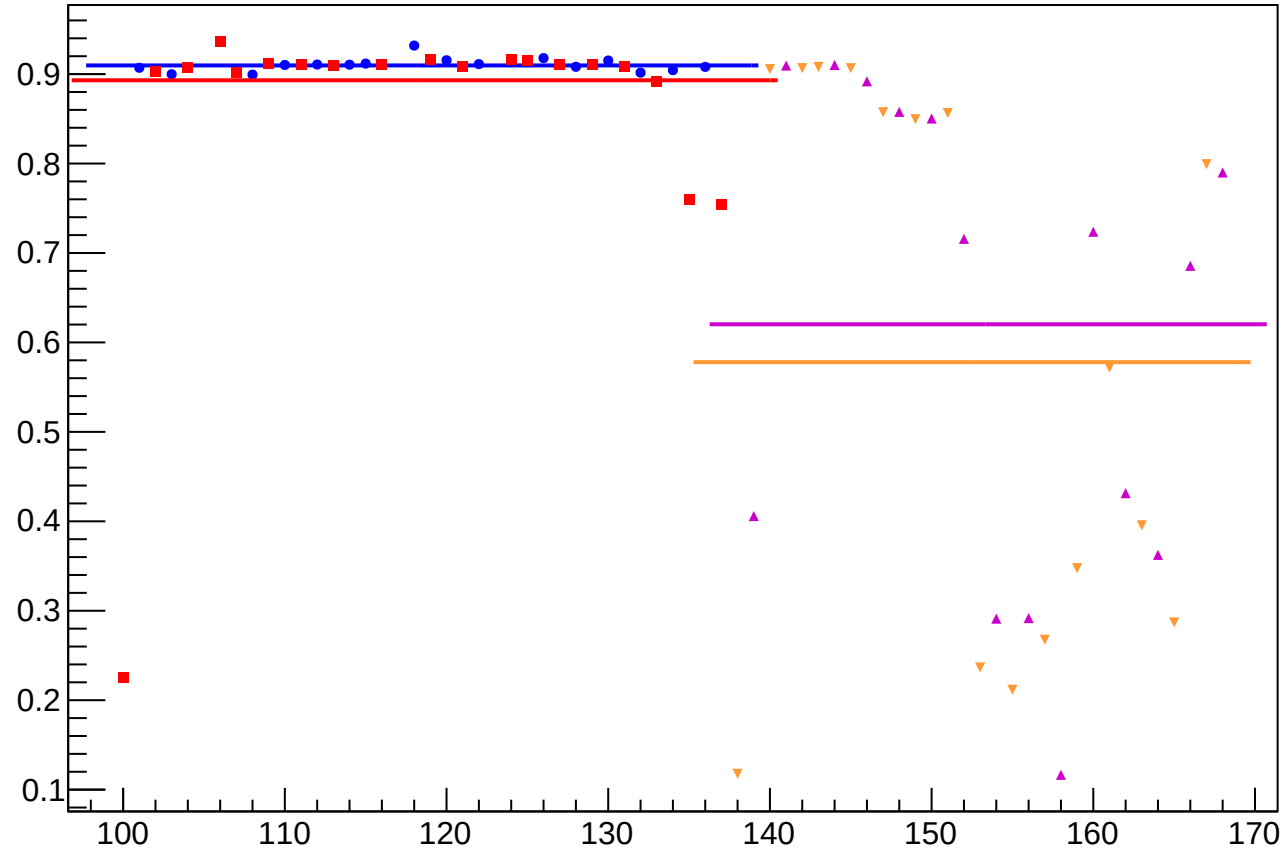
Left In: 0.003+/-0.000 χ^2/NDF:181355.5/14

+ sign 0.003+/-0.000 χ^2/NDF: 2126308.0/31

All: 0.003+/-0.000 χ^2/NDF: 4404727.0/65

- sign 0.003+/-0.000 χ^2/NDF: 2275209.3/33

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.578+/-0.000 χ^2/NDF:7577354406.0/15

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

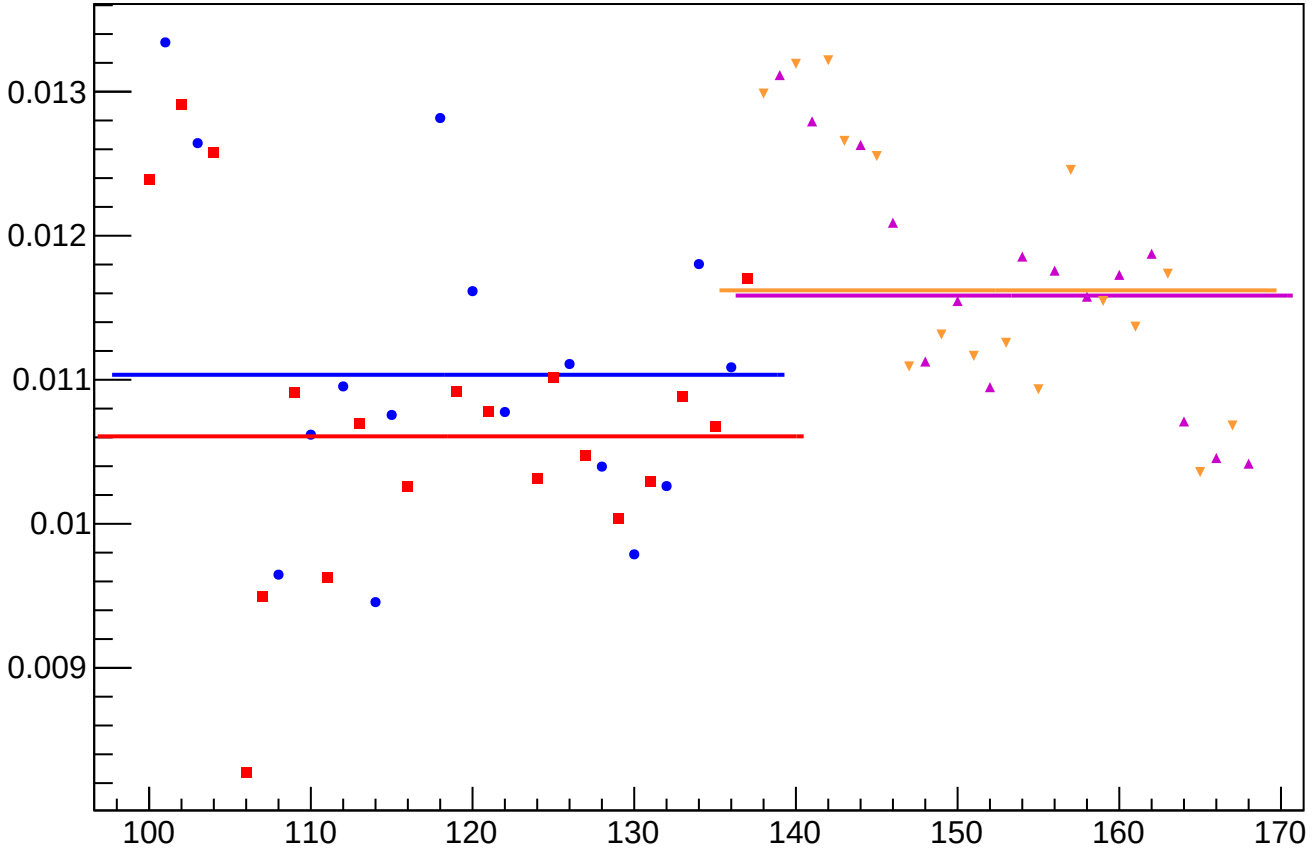
Left In: 0.620+/-0.000 χ^2/NDF:5983614022.8/14

+ sign 0.707+/-0.000 χ^2/NDF: 11367901154.2/31

All: 0.722+/-0.000 χ^2/NDF: 20490427227.3/6

- sign 0.736+/-0.000 χ^2/NDF: 9063123890.8/33

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:121360.8/15

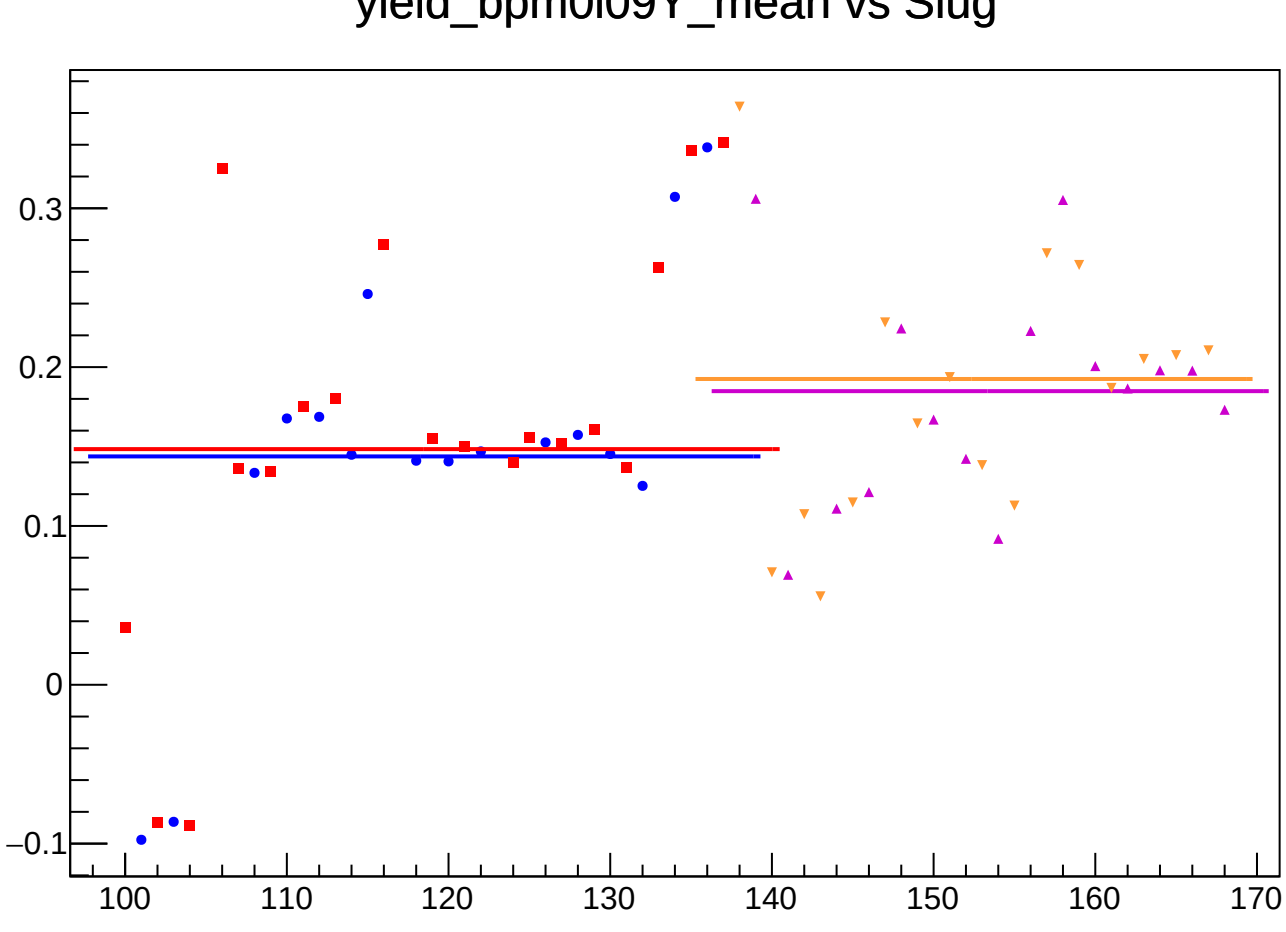
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:103659.8/14

+ sign 0.011+/-0.000 χ^2/NDF: 275361.7/31

All: 0.011+/-0.000 χ^2/NDF: 600796.7/65

- sign 0.011+/-0.000 χ^2/NDF: 318216.0/33



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.193+/-0.000 χ^2/NDF:5956190763.9/15

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

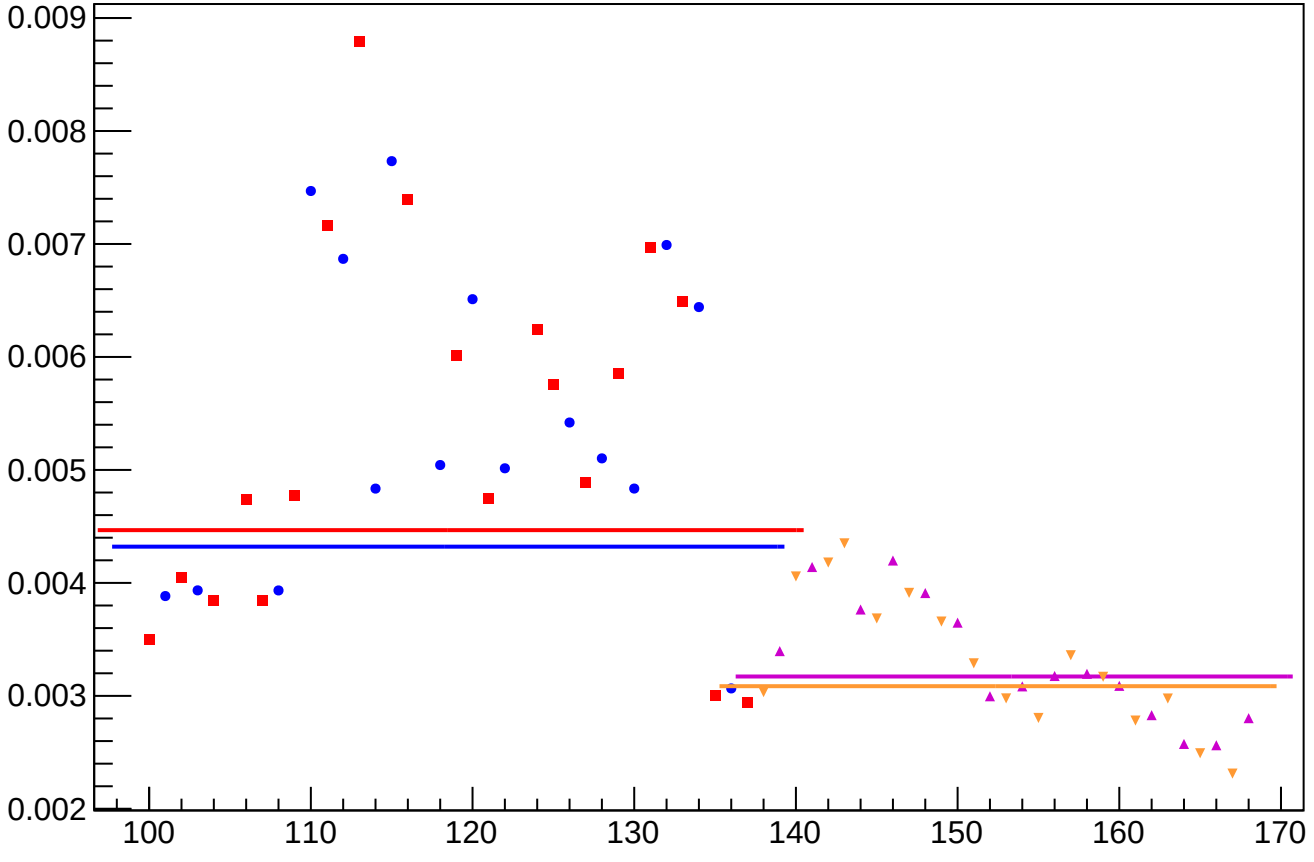
Left In: 0.185+/-0.000 χ^2/NDF:4431767942.7/14

+ sign 0.183+/-0.000 χ^2/NDF: 14403070492.6/31

All: 0.180+/-0.000 χ^2/NDF: 26296968506.1/6

- sign 0.177+/-0.000 χ^2/NDF: 11872922439.6/33

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:699796.3/15

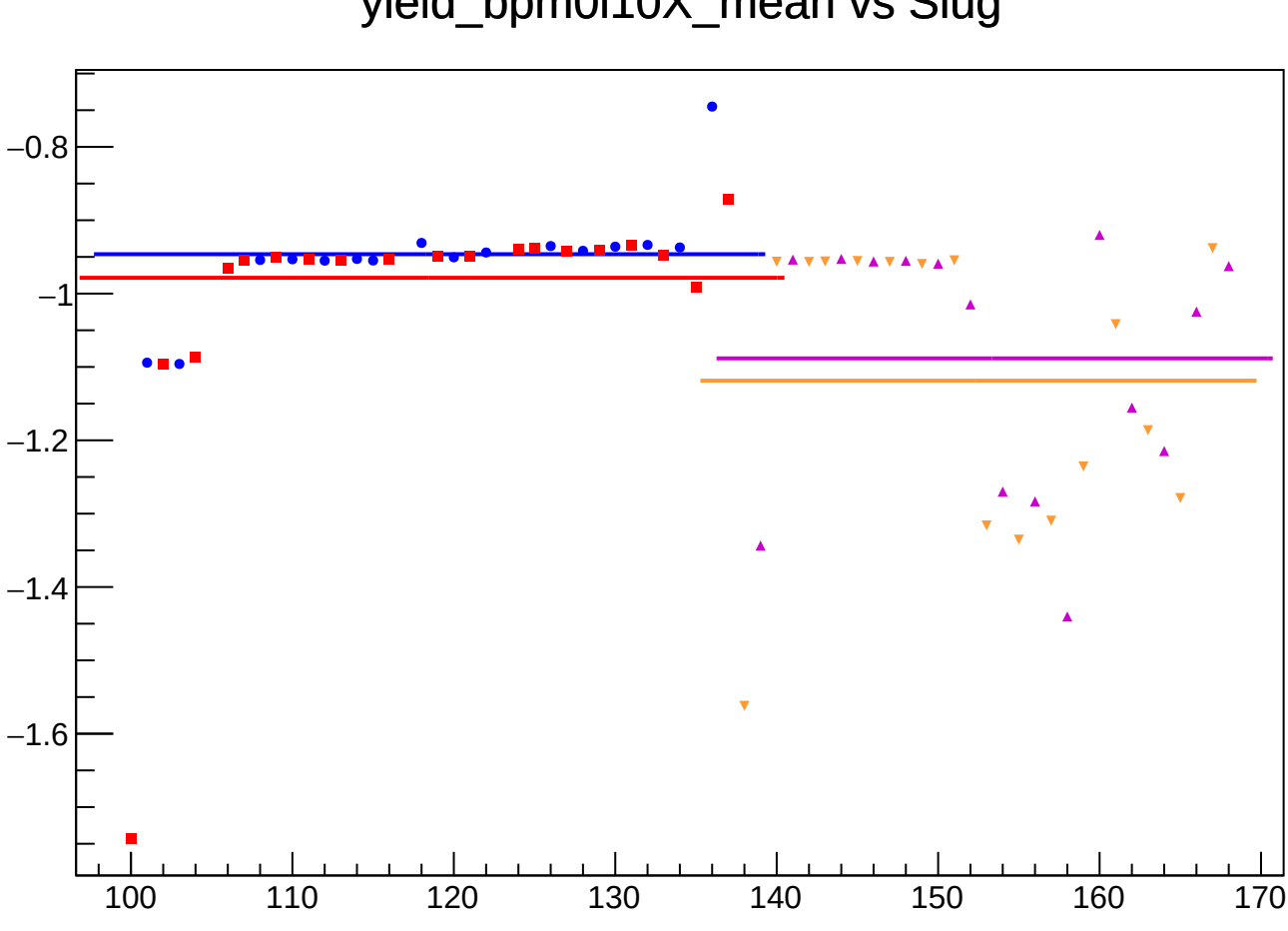
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:484305.0/14

+ sign 0.003+/-0.000 χ^2/NDF: 2322255.5/31

All: 0.003+/-0.000 χ^2/NDF: 4696430.9/65

- sign 0.003+/-0.000 χ^2/NDF: 2357767.2/33



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.119+/-0.000 χ^2/NDF:3842464505.0/15

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

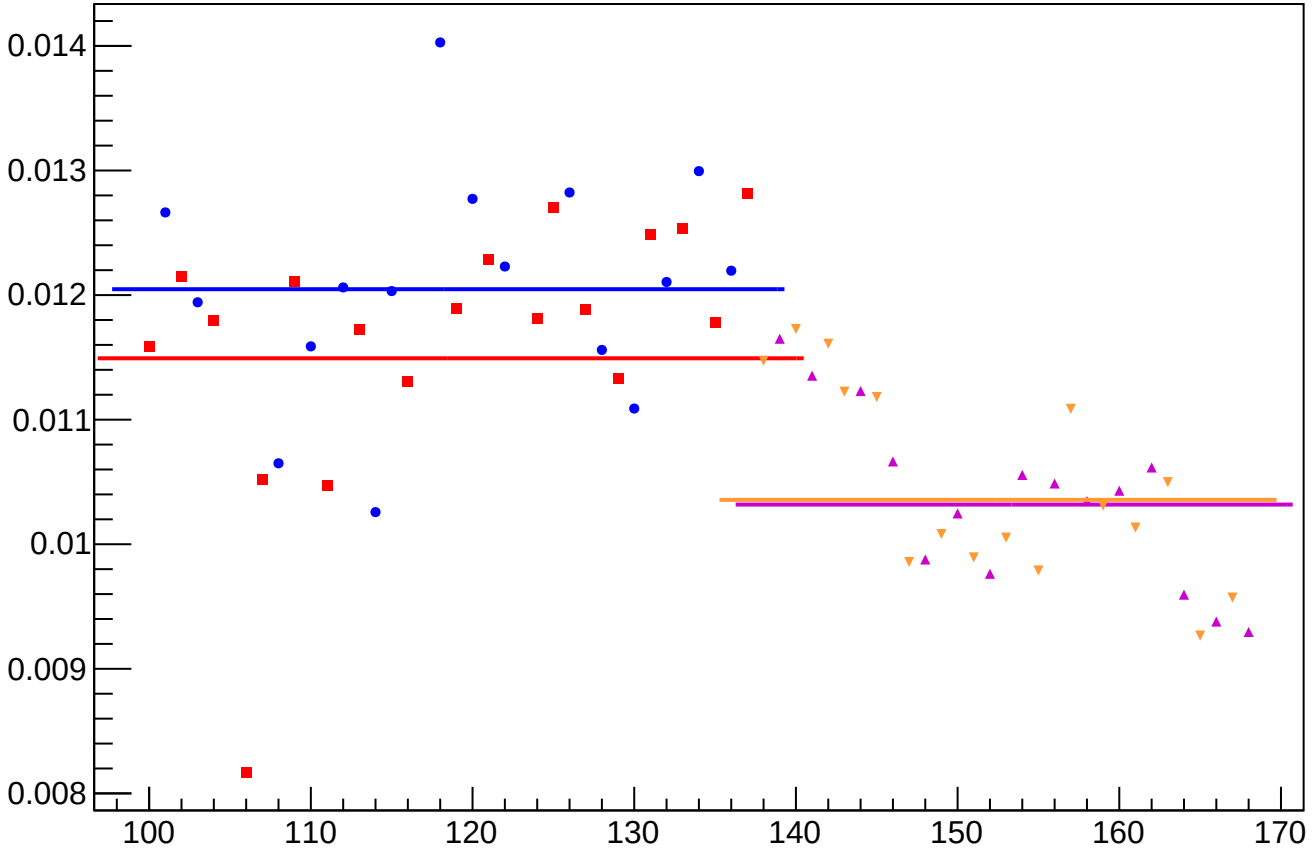
Left In: -1.088+/-0.000 χ^2/NDF:3116759554.1/14

+ sign -1.067+/-0.000 χ^2/NDF: 5234841743.9/31

All: -1.060+/-0.000 χ^2/NDF: 9270722537.6/6

- sign -1.052+/-0.000 χ^2/NDF: 4017303724.0/33

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:112642.1/15

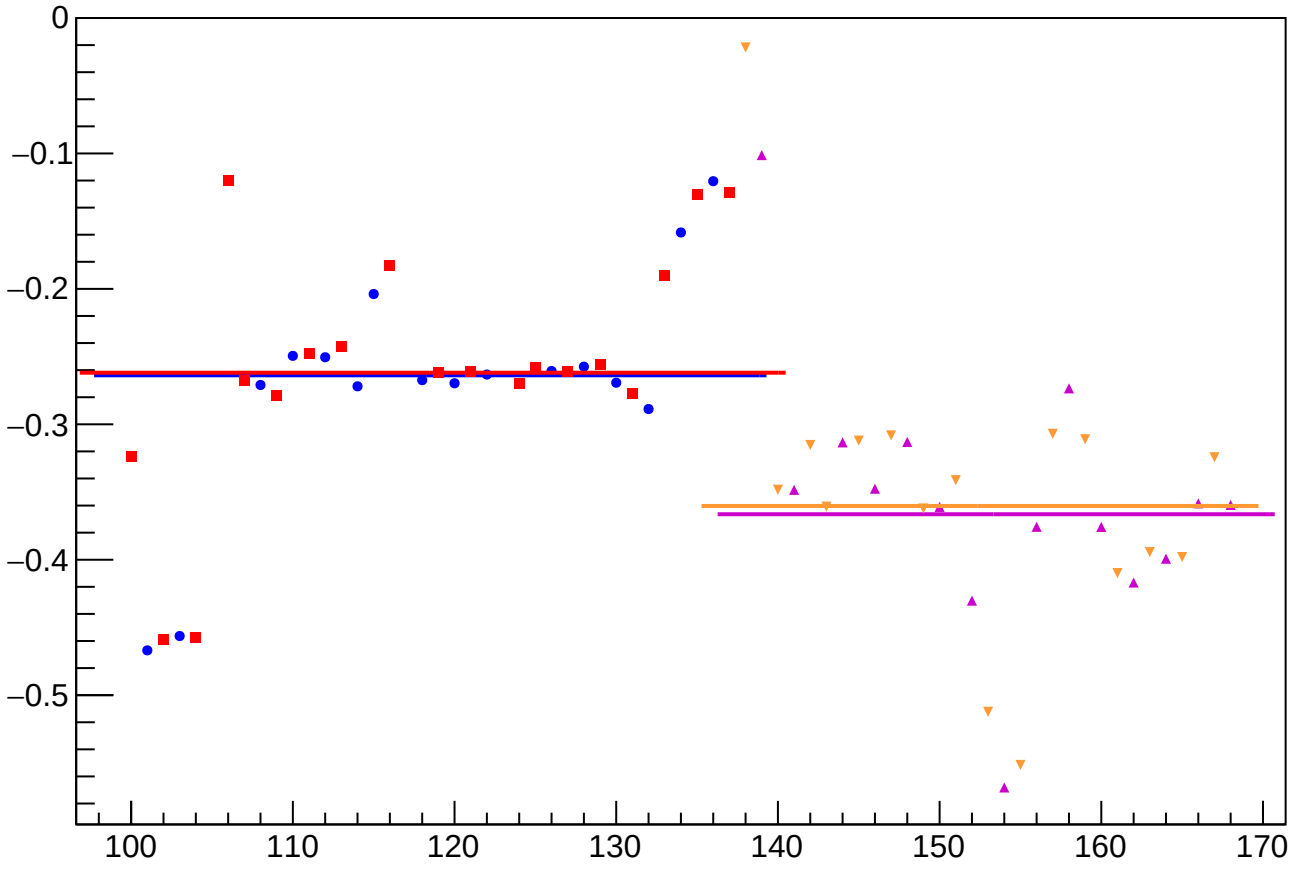
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:97662.6/14

+ sign 0.011+/-0.000 χ^2/NDF: 365274.3/31

All: 0.011+/-0.000 χ^2/NDF: 718573.6/65

- sign 0.011+/-0.000 χ^2/NDF: 349382.0/33



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.360+/-0.000 χ^2/NDF:11831672488.8/15

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

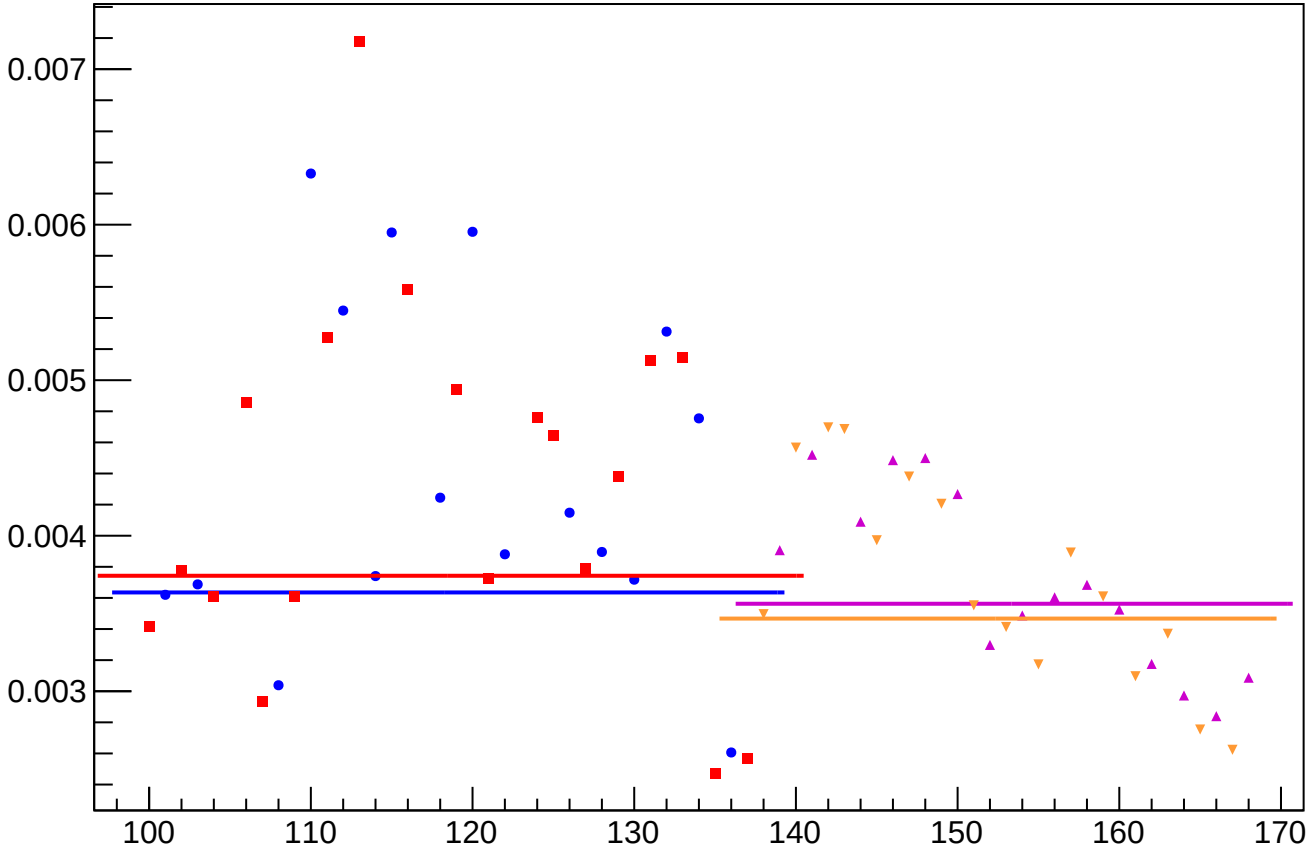
Left In: -0.366+/-0.000 χ^2/NDF:7553647388.4/14

+ sign -0.329+/-0.000 χ^2/NDF: 20703398697.0/31

All: -0.331+/-0.000 χ^2/NDF: 36651576280.0/

- sign -0.332+/-0.000 χ^2/NDF: 15944556555.4/33

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:661084.8/15

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

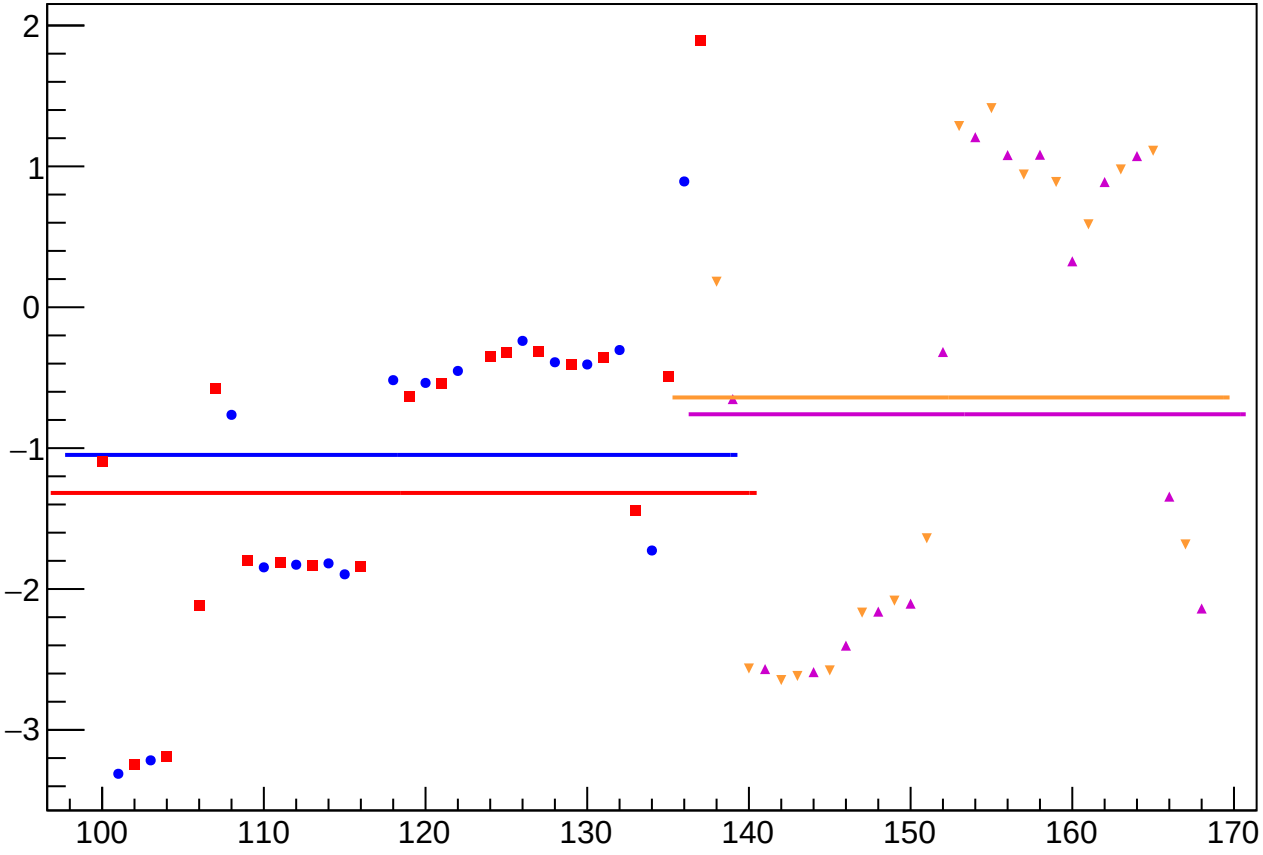
Left In: 0.004+/-0.000 χ^2/NDF:465084.5/14

+ sign 0.004+/-0.000 χ^2/NDF: 1406458.0/31

All: 0.004+/-0.000 χ^2/NDF: 2797995.7/65

- sign 0.004+/-0.000 χ^2/NDF: 1377899.2/33

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.640+/-0.000 χ^2/NDF:5657928238.5/15

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

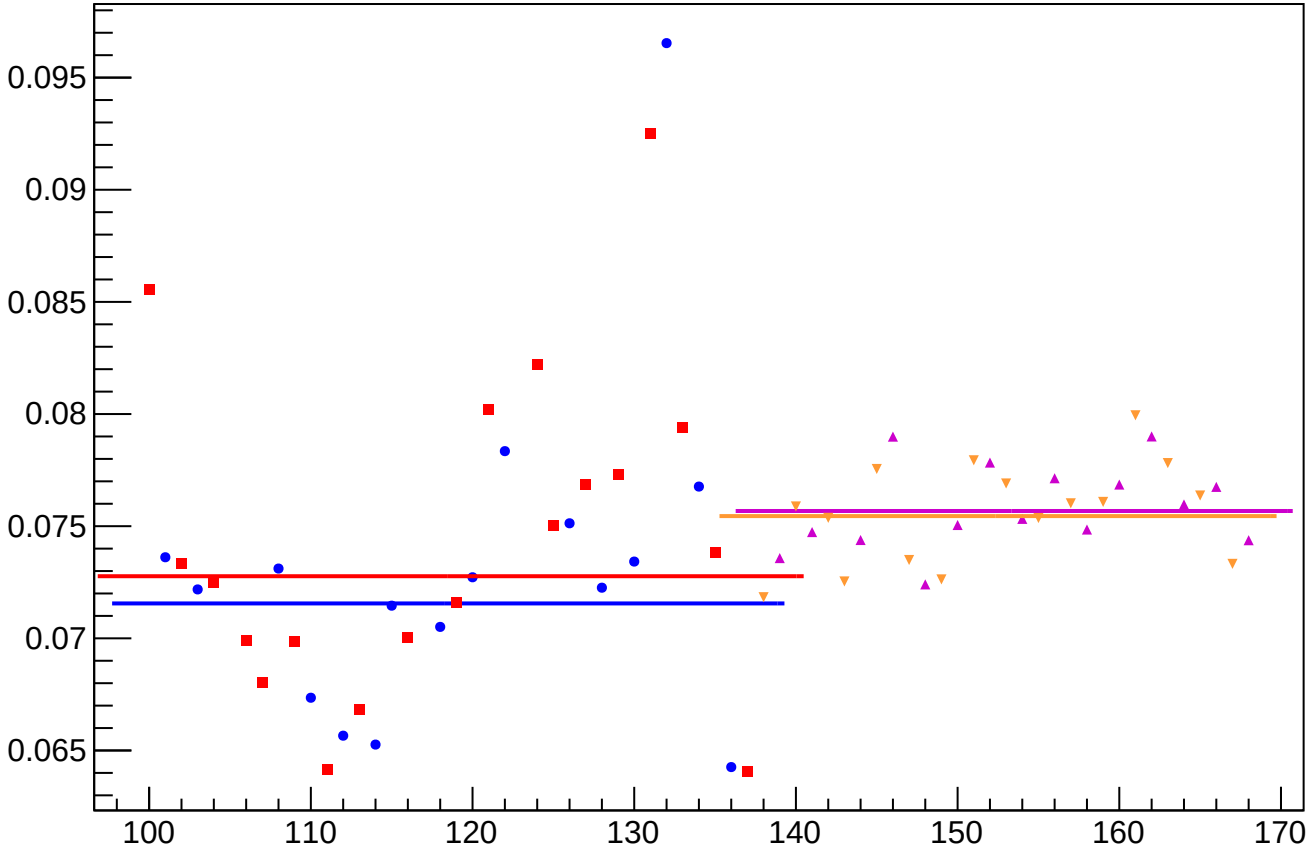
Left In: -0.760+/-0.000 χ^2/NDF:4785782453.8/14

+ sign -0.798+/-0.000 χ^2/NDF: 8144822161.7/31

All: -0.888+/-0.000 χ^2/NDF: 15096222077.4/

- sign -0.979+/-0.000 χ^2/NDF: 6893456665.7/33

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:22046.2/15

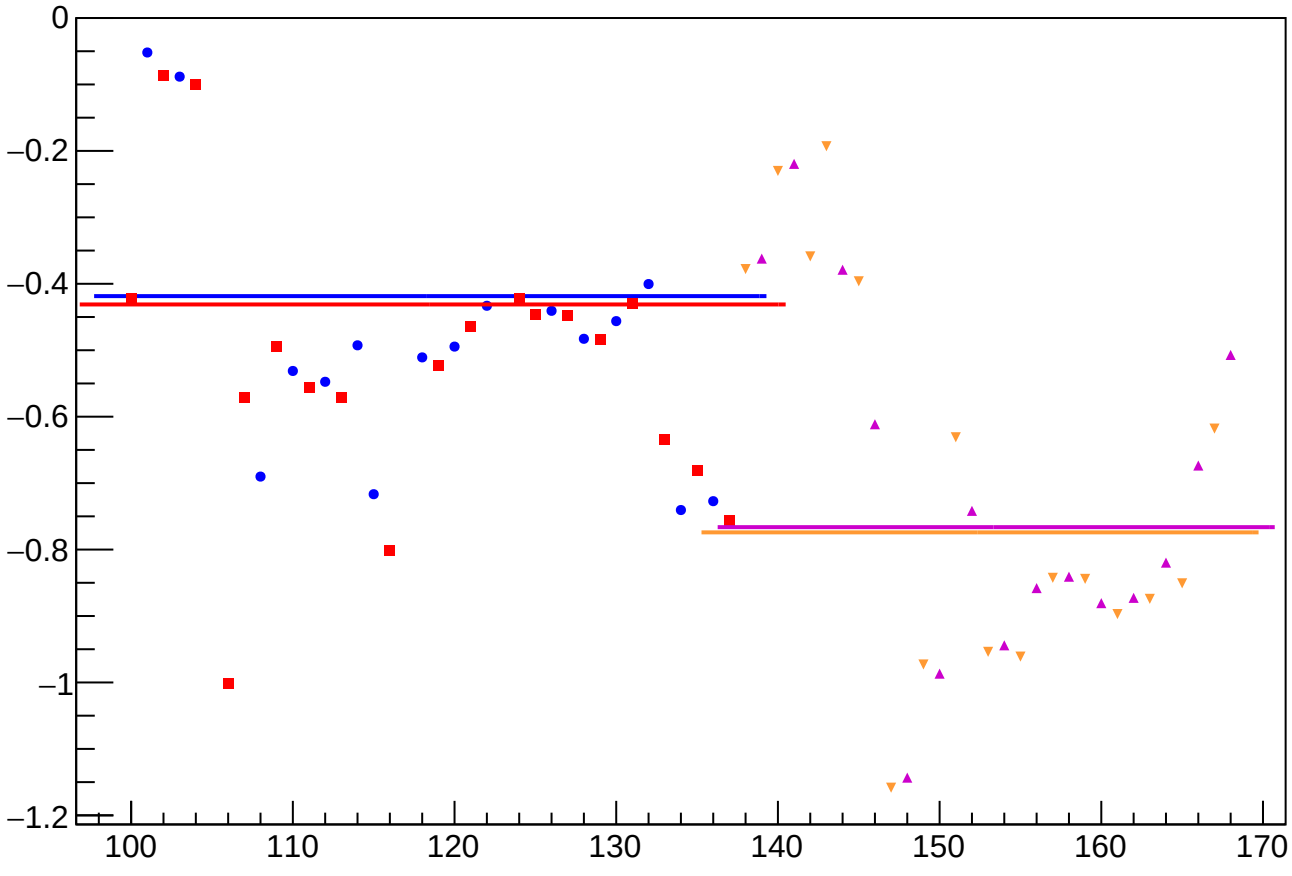
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.076+/-0.000 χ^2/NDF:14646.0/14

+ sign 0.074+/-0.000 χ^2/NDF: 148788.1/31

All: 0.074+/-0.000 χ^2/NDF: 275604.0/65

- sign 0.075+/-0.000 χ^2/NDF: 125603.5/33



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.774+/-0.000 χ^2/NDF:14683465854.1/15

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

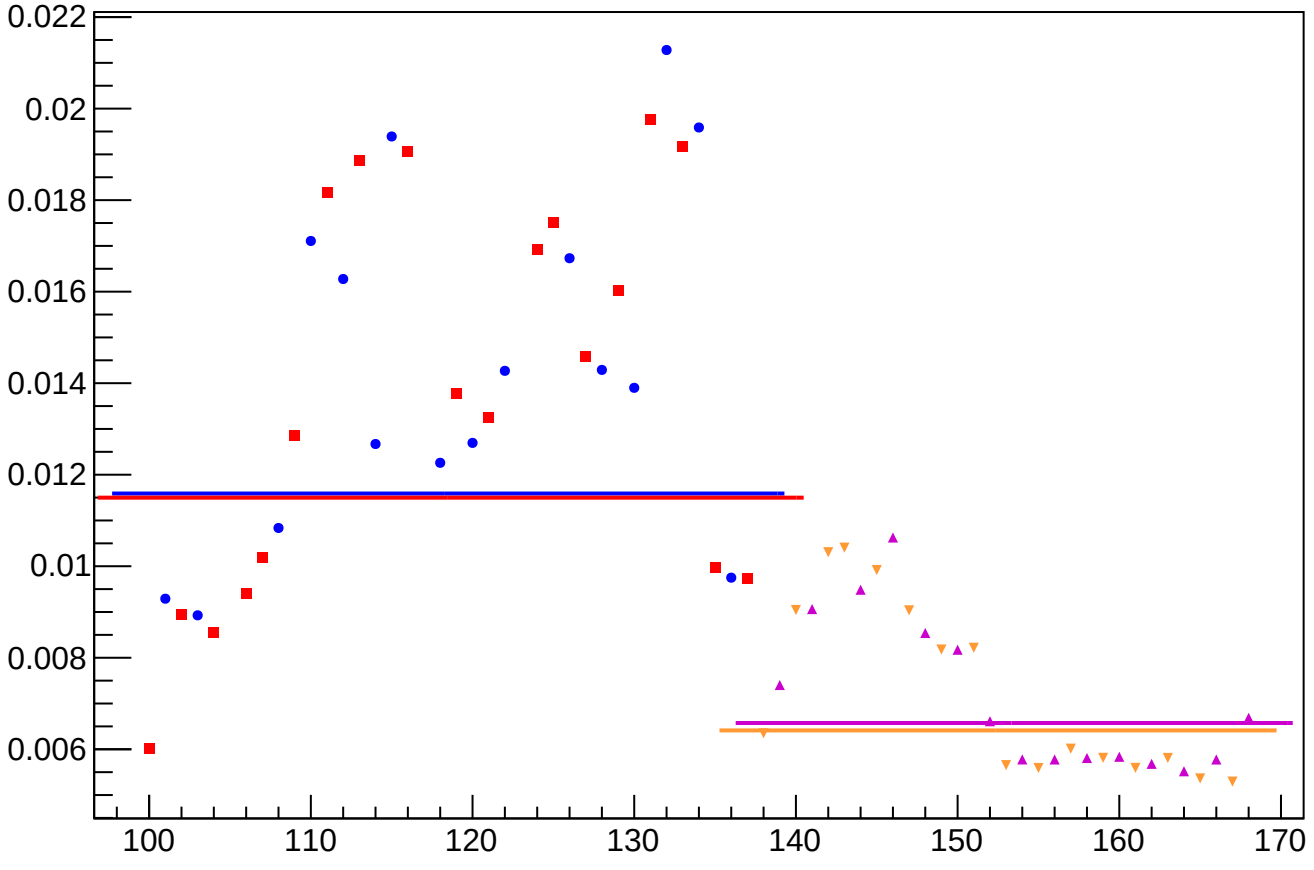
Left In: -0.766+/-0.000 χ^2/NDF:11932135472.7/14

+ sign -0.725+/-0.000 χ^2/NDF: 22585818975.9/31

All: -0.720+/-0.000 χ^2/NDF: 42065637640.5/

- sign -0.716+/-0.000 χ^2/NDF: 19468504879.3/33

yield_bpm0r03Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1159304.2/15

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

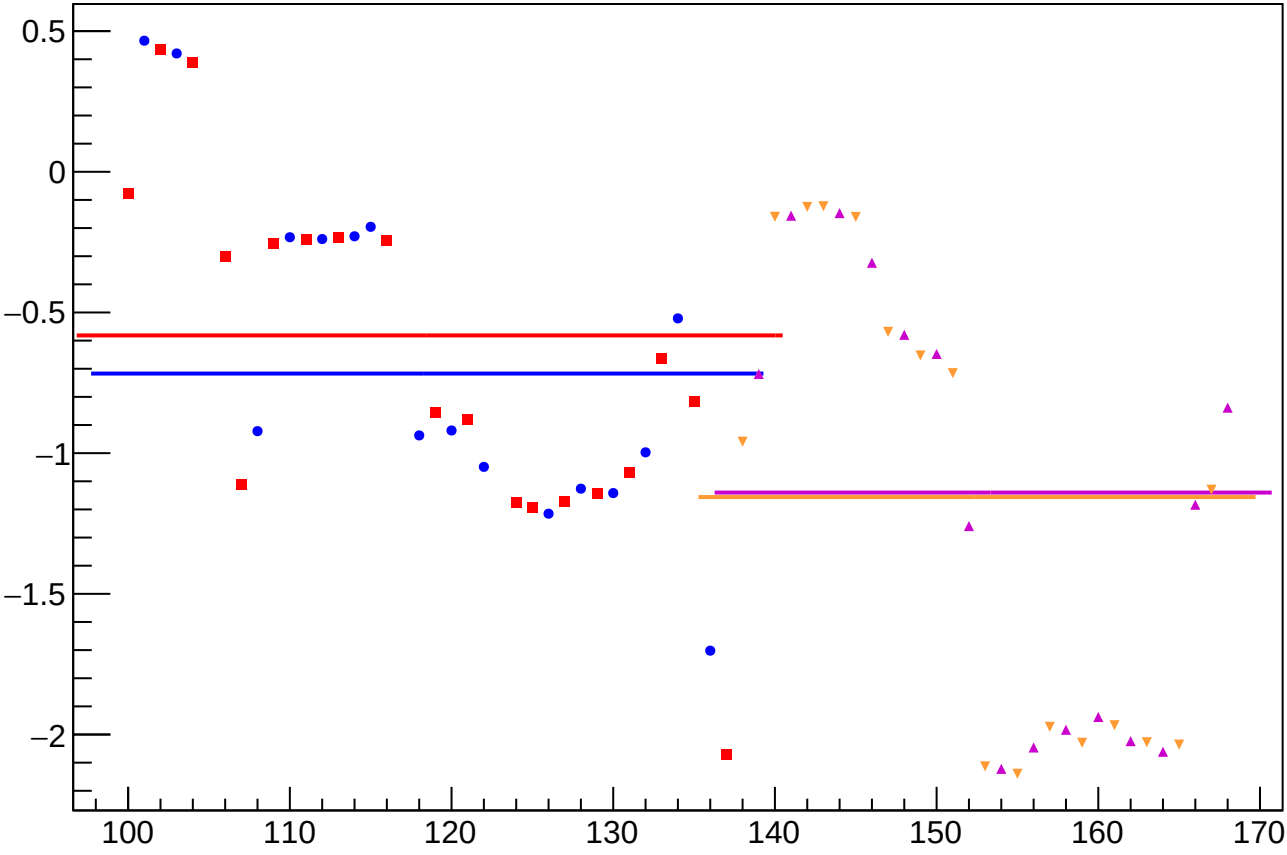
Left In: 0.007+/-0.000 χ^2/NDF:875336.6/14

+ sign 0.007+/-0.000 χ^2/NDF: 3993209.9/31

All: 0.007+/-0.000 χ^2/NDF: 7916652.4/65

- sign 0.007+/-0.000 χ^2/NDF: 3913499.2/33

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.156+/-0.000 χ^2/NDF:1073287115.0/15

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

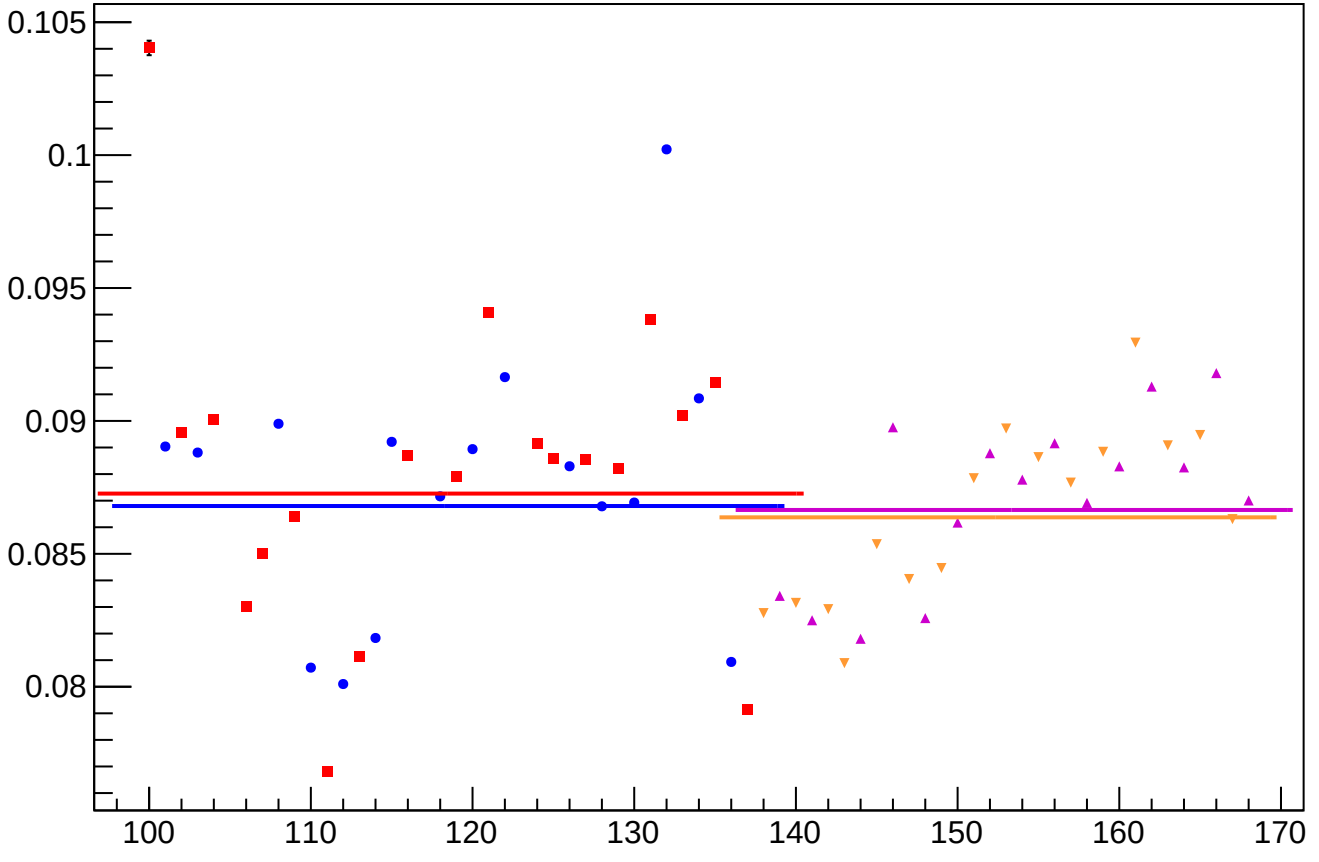
Left In: -1.140+/-0.000 χ^2/NDF:914865048.3/14

+ sign -0.997+/-0.000 χ^2/NDF: 1627849975.3/31

All: -0.964+/-0.000 χ^2/NDF: 3081410334.1/6

- sign -0.931+/-0.000 χ^2/NDF: 1447819025.9/33

yield_bpm0r05X_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:33353.5/15

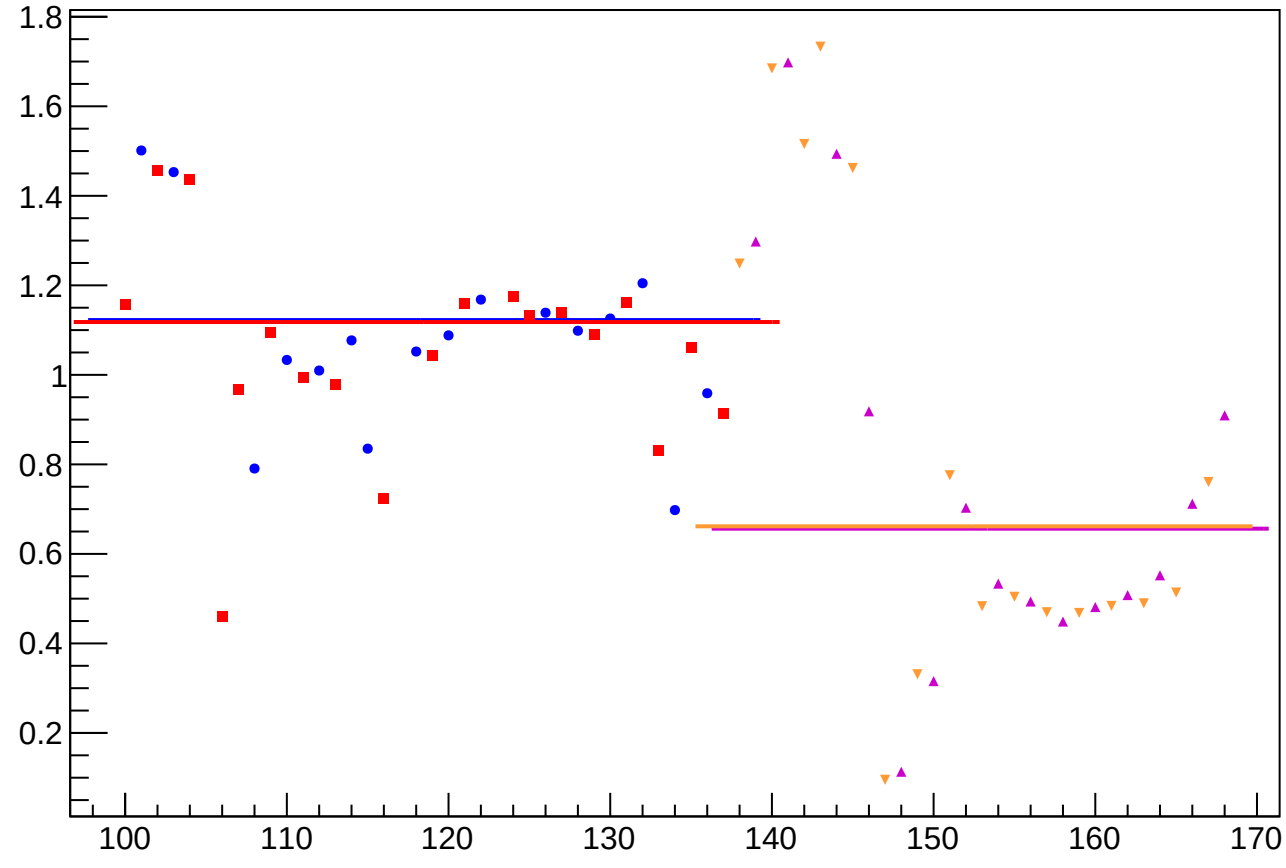
Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.087+/-0.000 χ^2/NDF:30710.8/14

+ sign 0.087+/-0.000 χ^2/NDF: 77149.8/31

All: 0.087+/-0.000 χ^2/NDF: 154817.6/65

- sign 0.087+/-0.000 χ^2/NDF: 77339.4/33



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.662+/-0.000 χ^2/NDF:28255798277.1/15

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

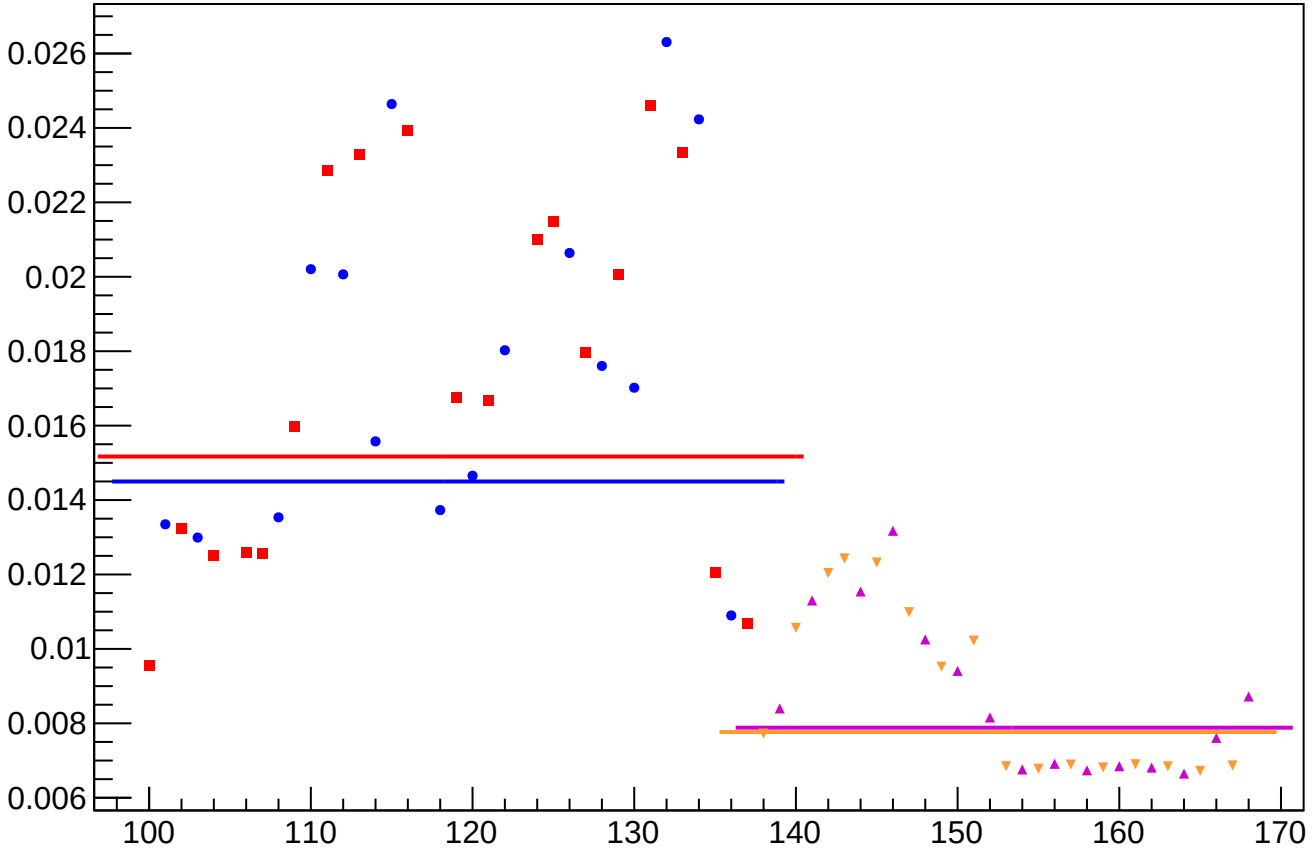
Left In: 0.656+/-0.000 χ^2/NDF:22544194836.5/14

+ sign 0.721+/-0.000 χ^2/NDF: 34957261287.6/31

All: 0.719+/-0.000 χ^2/NDF: 64026764383.8/6

- sign 0.716+/-0.000 χ^2/NDF: 29065989658.3/33

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:1112514.7/15

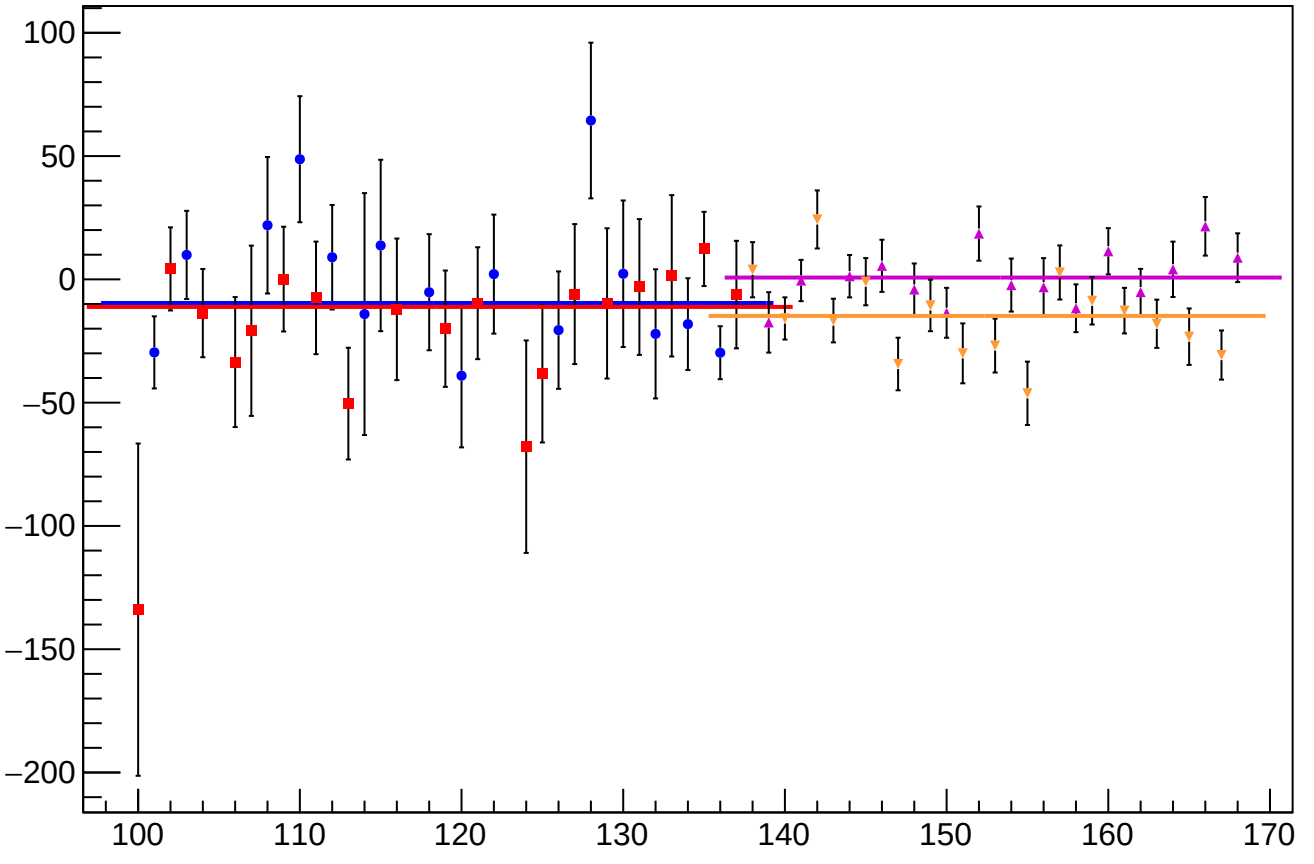
Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:949024.1/14

+ sign 0.009+/-0.000 χ^2/NDF: 4064075.0/31

All: 0.009+/-0.000 χ^2/NDF: 8351544.0/65

- sign 0.009+/-0.000 χ^2/NDF: 4280592.5/33



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -14.829+/-2.576 χ^2/NDF:34.5/15

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

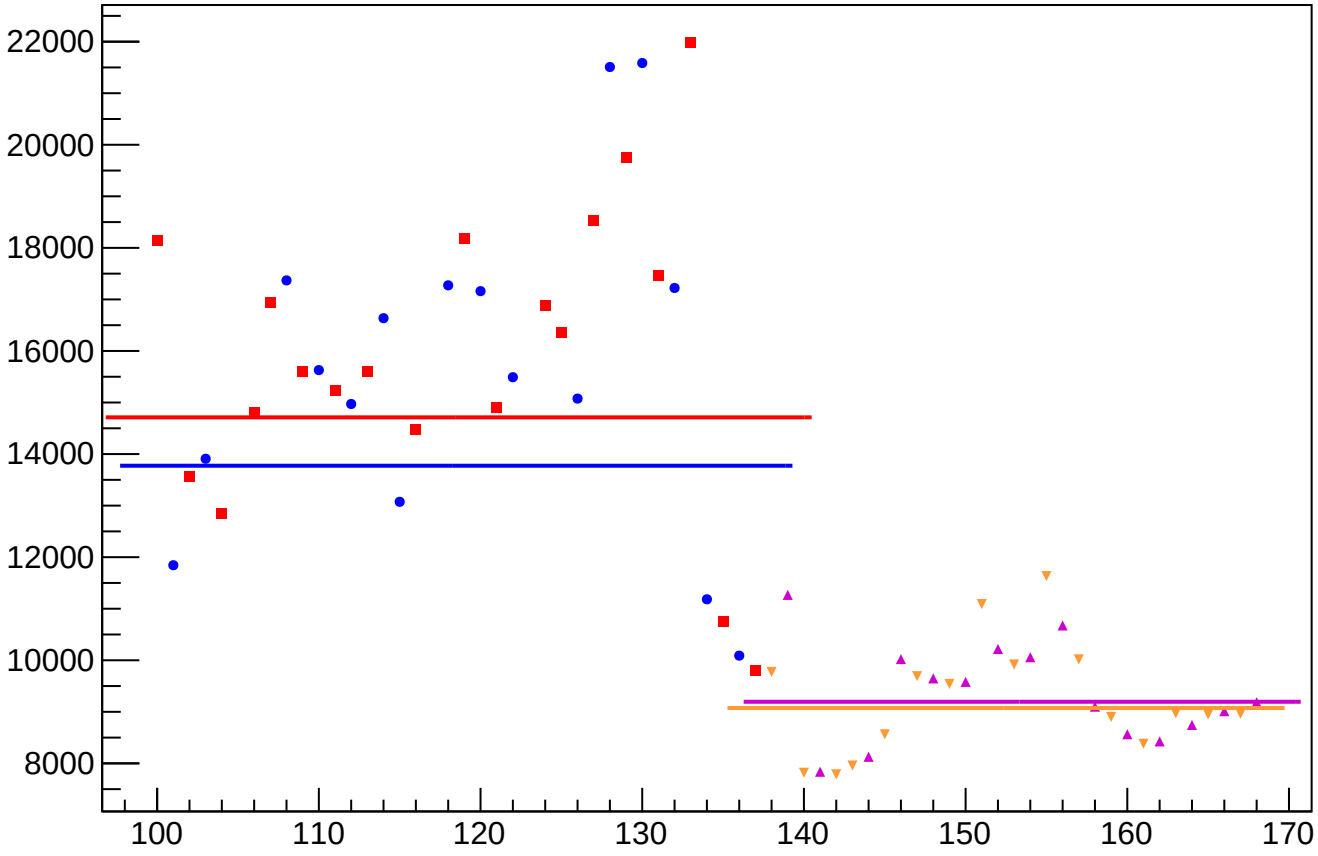
Left In: 0.730+/-2.629 χ^2/NDF:14.6/14

+ sign -13.823+/-2.316 χ^2/NDF: 57.2/31

All: -7.800+/-1.657 χ^2/NDF: 103.3/65

- sign -1.486+/-2.371 χ^2/NDF: 32.3/33

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9073.730+/-1.822 χ^2/NDF:296769.0/15

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

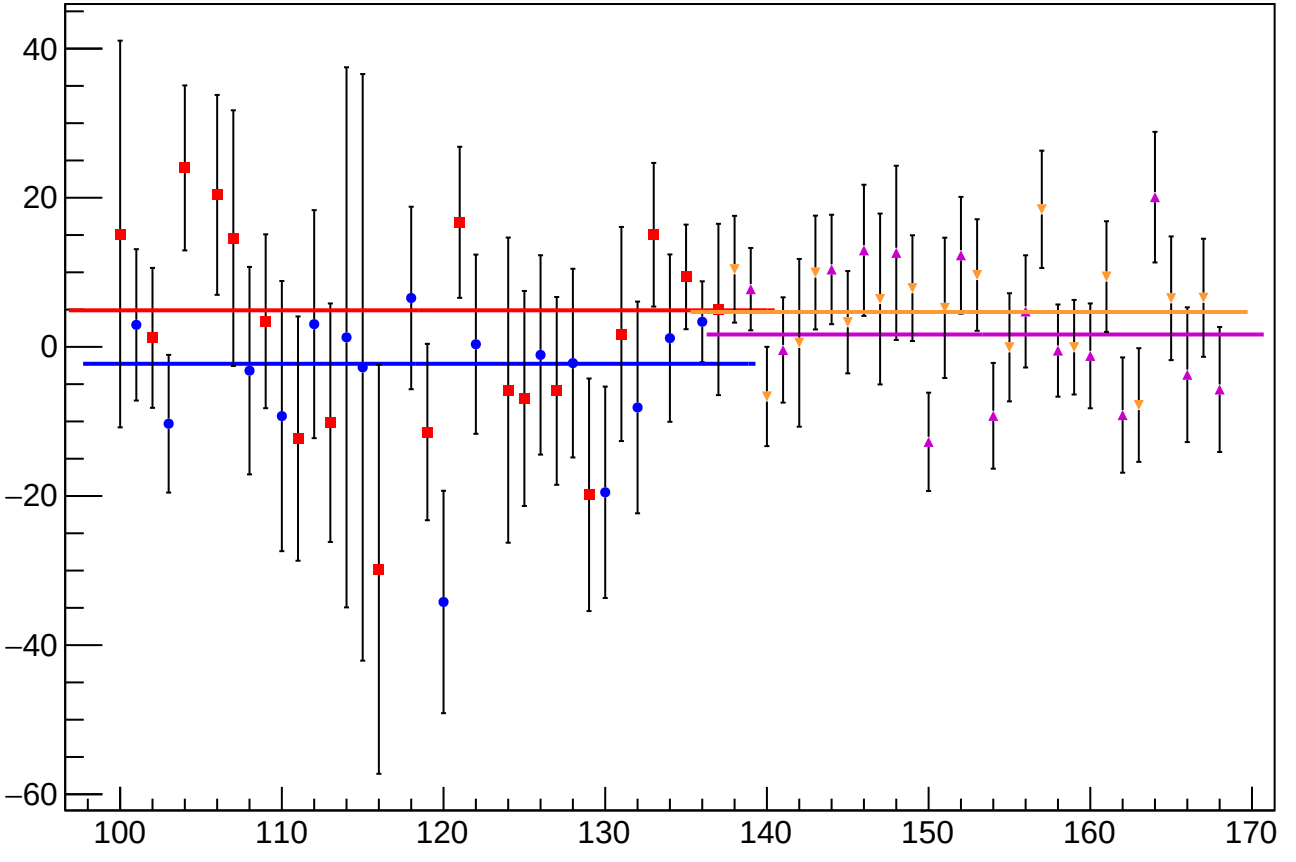
Left In: 9195.284+/-1.859 χ^2/NDF:247315.9/14

+ sign 9974.600+/-1.638 χ^2/NDF: 2320266.1/31

All: 10095.385+/-1.172 χ^2/NDF: 4775540.3/6

- sign 10221.995+/-1.677 χ^2/NDF: 2444134.9/33

diff_bpm4aY_mean vs Slug



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 4.678+/-1.921 χ^2/NDF:12.1/15

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

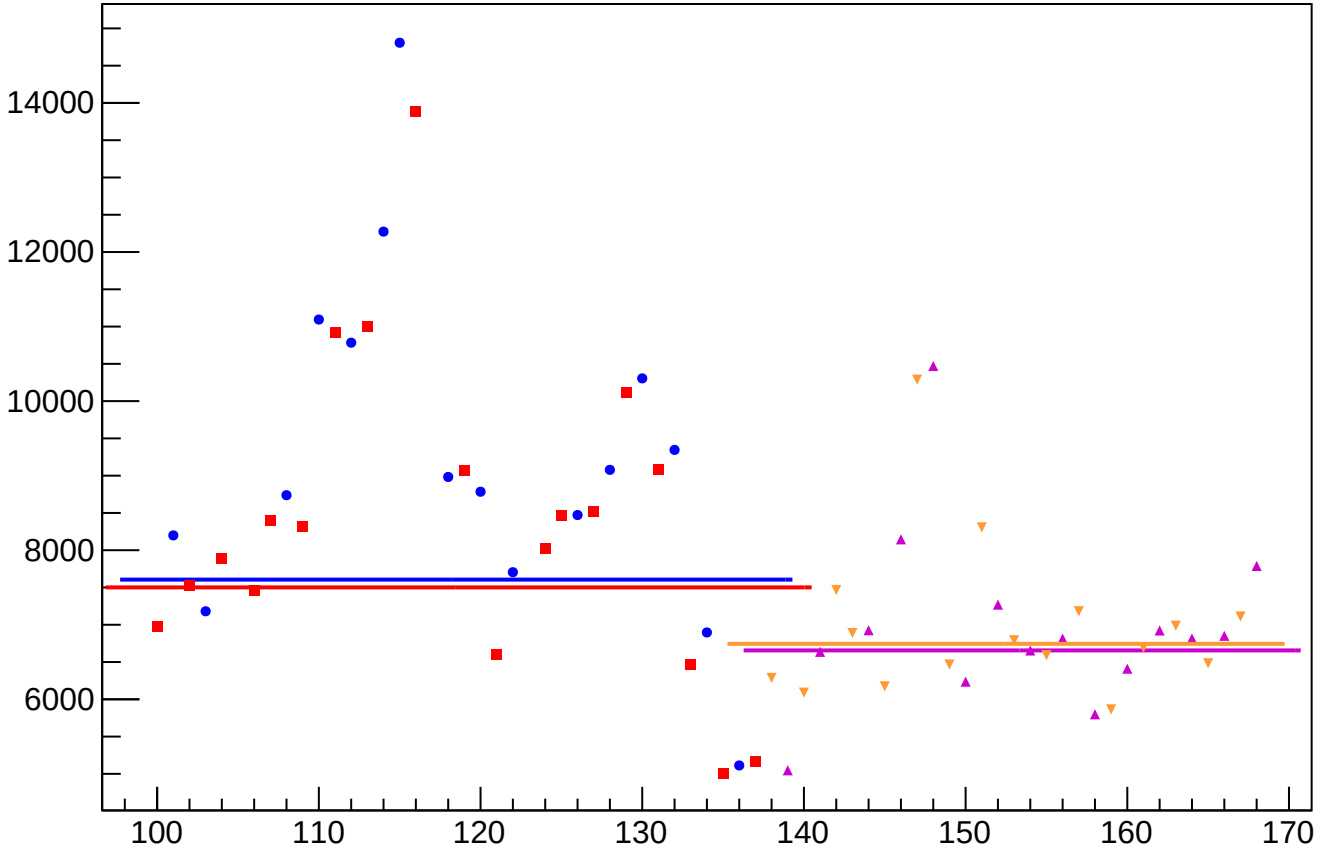
Left In: 1.661+/-1.920 χ^2/NDF:22.2/14

+ sign 2.582+/-1.605 χ^2/NDF: 25.3/31

All: 2.632+/-1.130 χ^2/NDF: 66.0/65

- sign 2.681+/-1.590 χ^2/NDF: 40.6/33

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6744.224+/-1.358 χ^2/NDF:353715.6/15

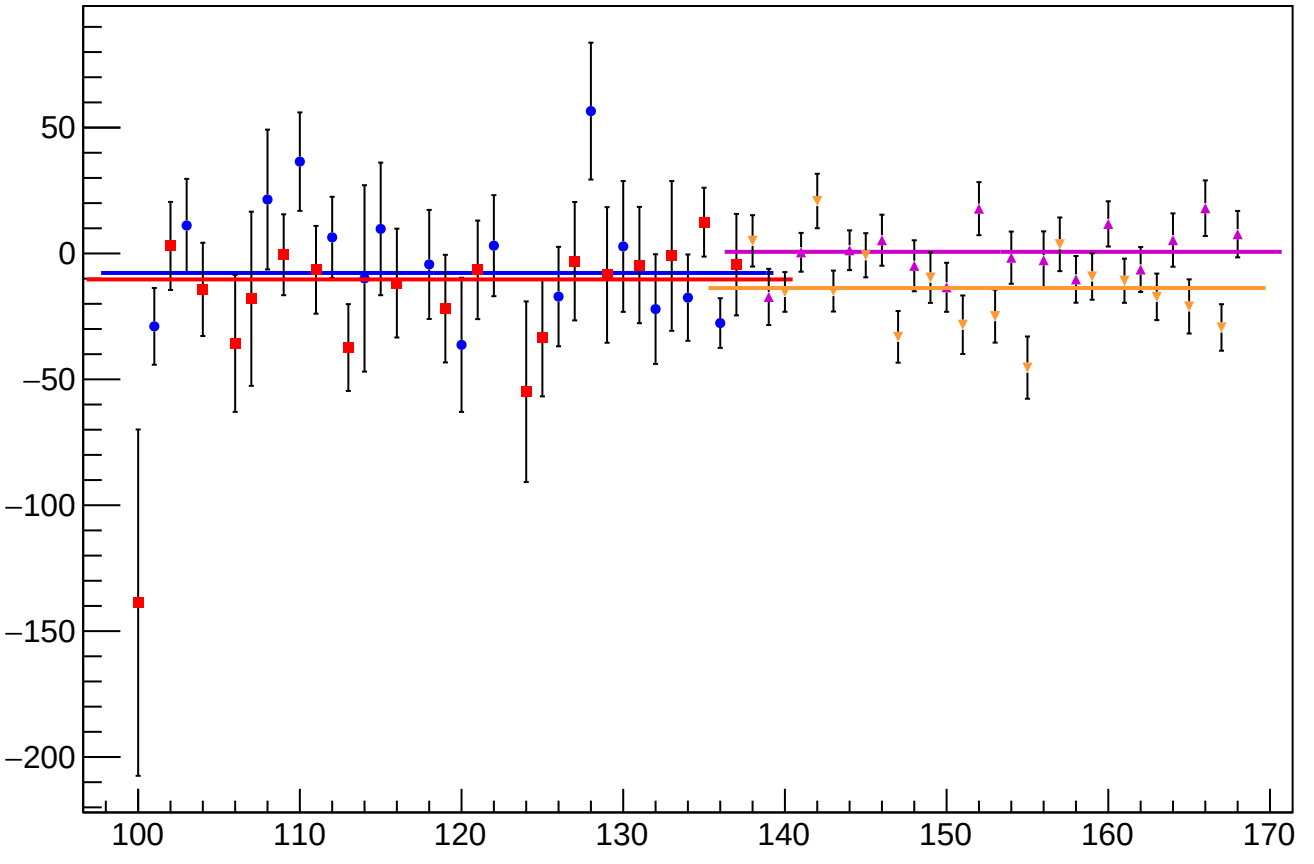
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6655.837+/-1.358 χ^2/NDF:545862.5/14

+ sign 7004.220+/-1.135 χ^2/NDF: 1366582.8/31

All: 6962.561+/-0.799 χ^2/NDF: 2860612.6/65

- sign 6921.688+/-1.124 χ^2/NDF: 1491361.3/33



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -13.724+/-2.422 χ^2/NDF:35.3/15

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

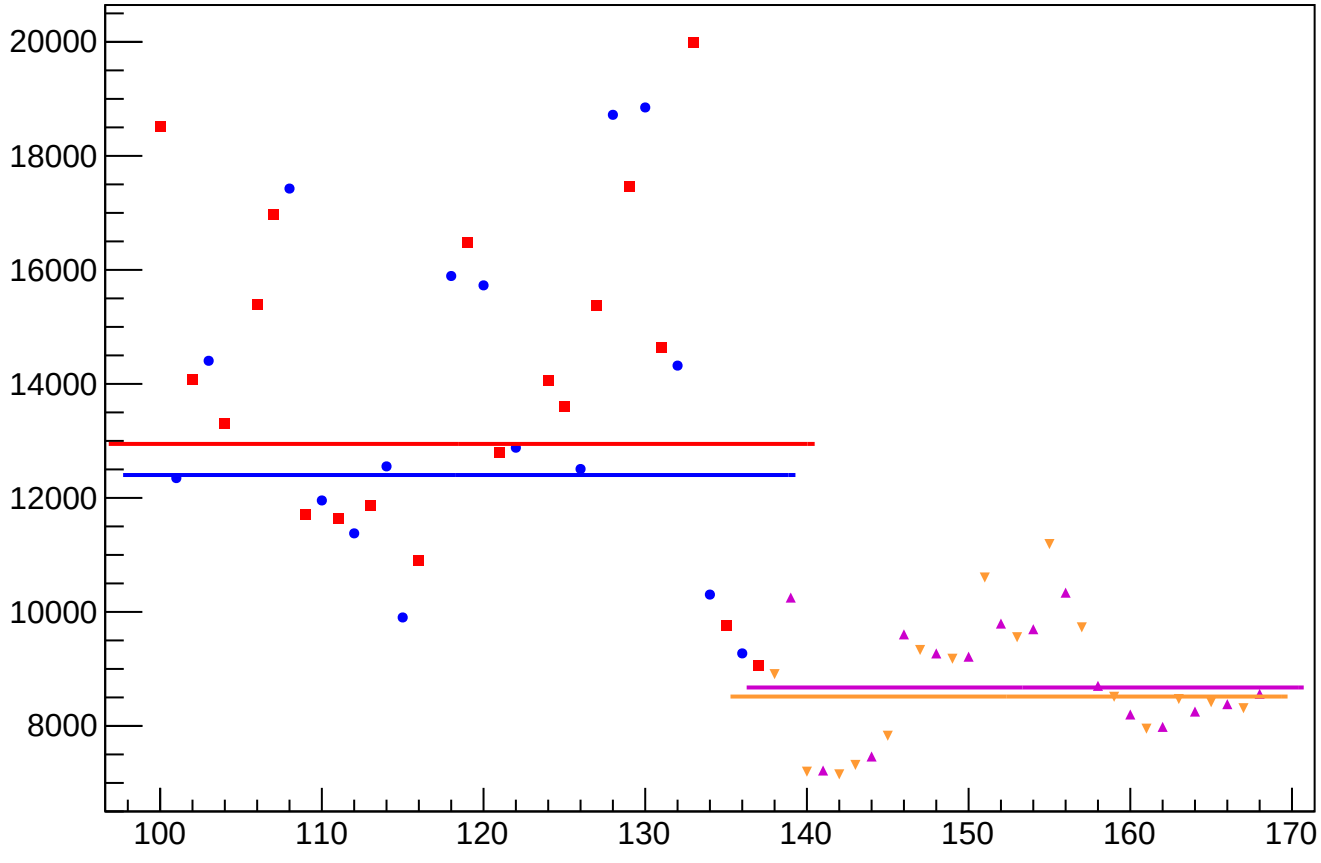
Left In: 0.655+/-2.482 χ^2/NDF:14.7/14

+ sign -12.489+/-2.158 χ^2/NDF: 59.3/31

All: -7.185+/-1.543 χ^2/NDF: 104.4/65

- sign -1.628+/-2.209 χ^2/NDF: 32.7/33

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8515.427+/-1.713 χ^2/NDF:381325.9/15

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

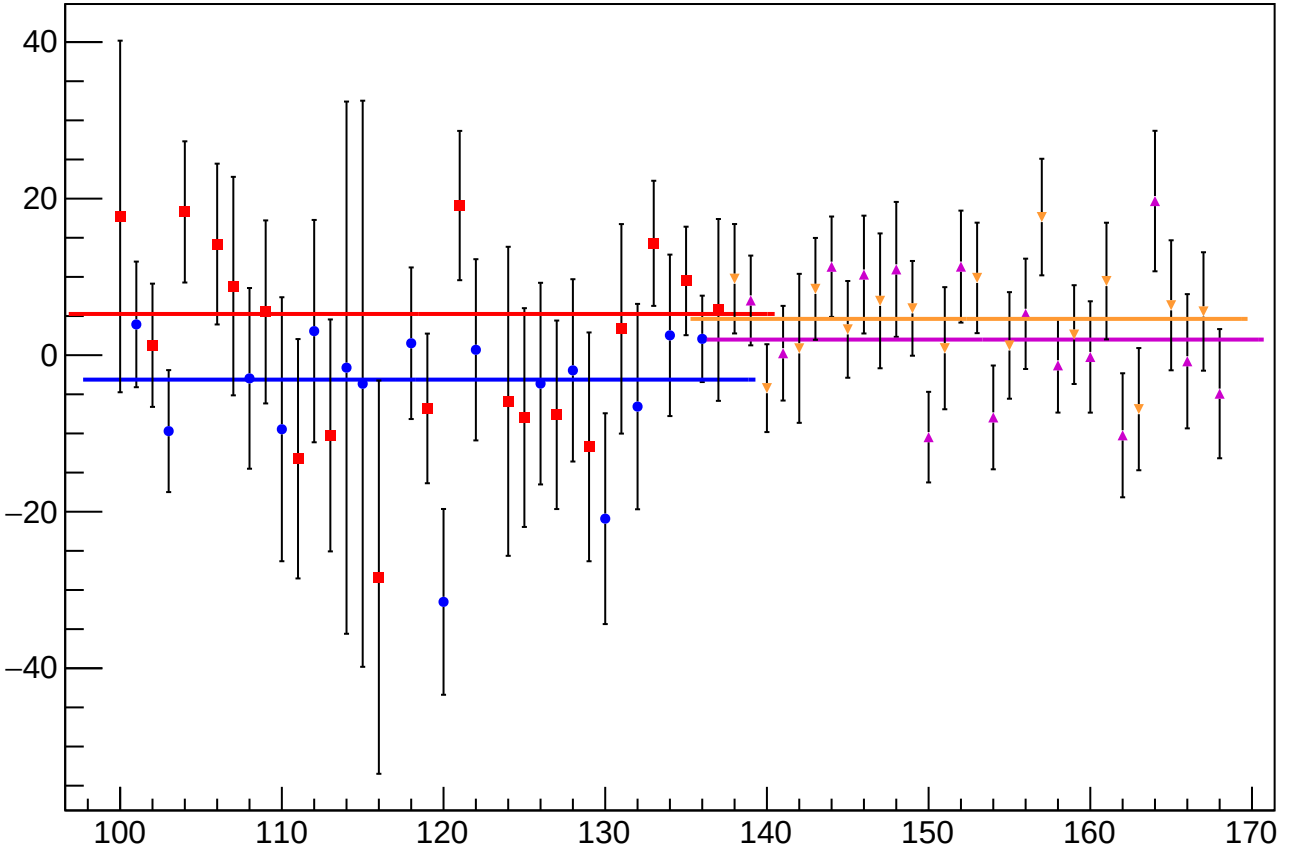
Left In: 8674.476+/-1.755 χ^2/NDF:295244.4/14

+ sign 9317.927+/-1.526 χ^2/NDF: 2122829.3/31

All: 9438.215+/-1.091 χ^2/NDF: 4220254.7/65

- sign 9564.245+/-1.562 χ^2/NDF: 2084696.5/33

diff_bpm4eY_mean vs Slug



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.636+/-1.764 χ^2/NDF:10.5/15

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

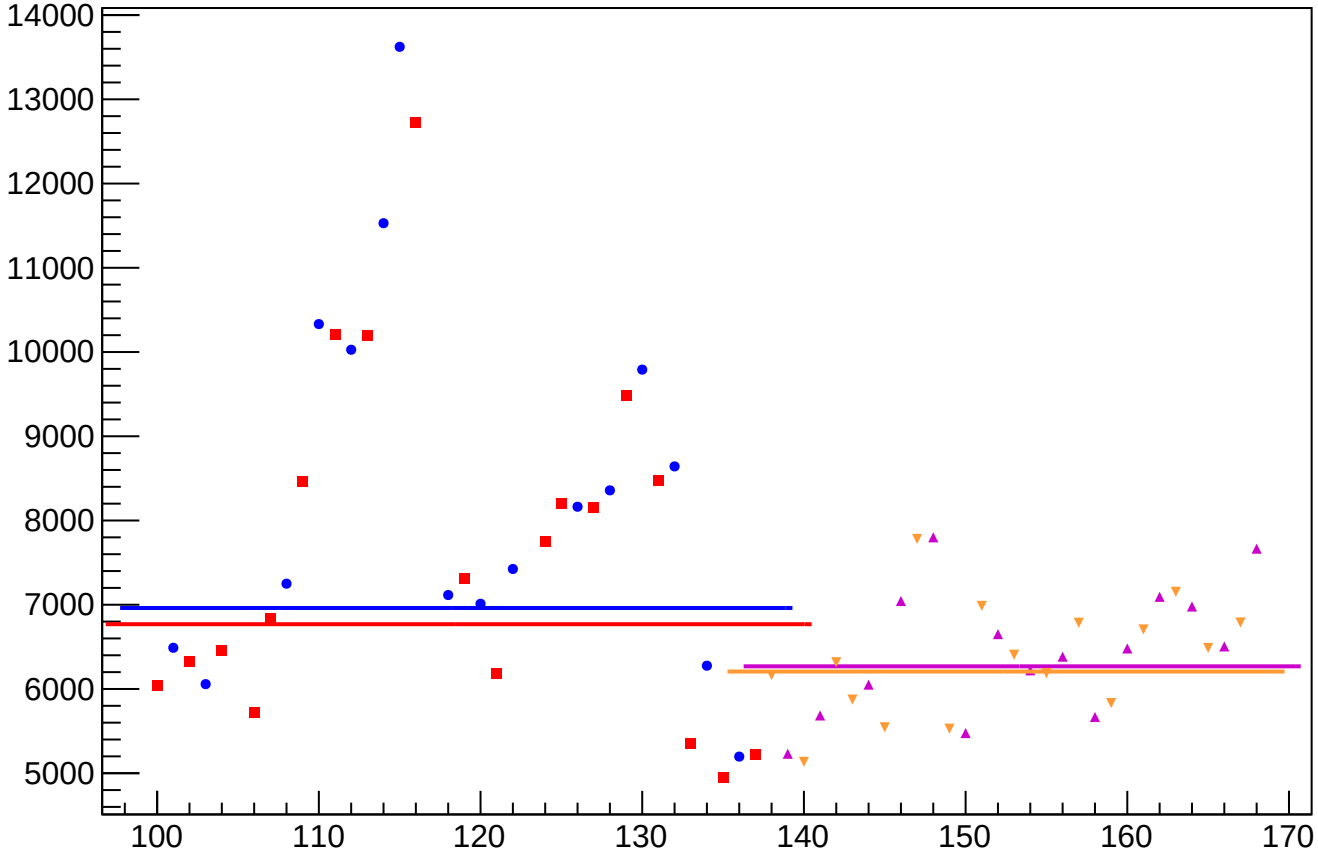
Left In: 1.993+/-1.798 χ^2/NDF:21.5/14

+ sign 2.261+/-1.469 χ^2/NDF: 27.4/31

All: 2.669+/-1.039 χ^2/NDF: 67.0/65

- sign 3.078+/-1.470 χ^2/NDF: 39.5/33

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6207.100+/-1.247 χ^2/NDF:286708.3/15

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

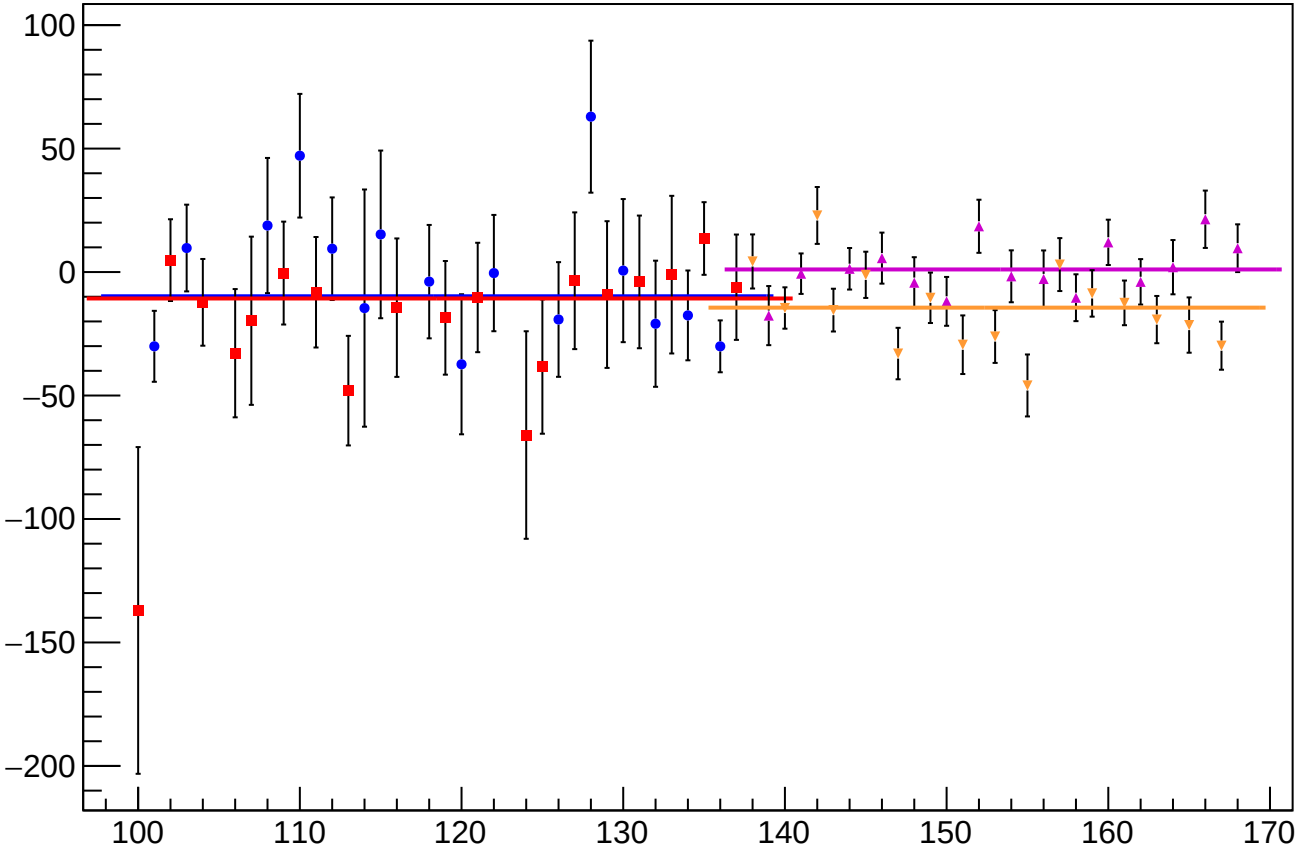
Left In: 6268.809+/-1.272 χ^2/NDF:329244.9/14

+ sign 6438.036+/-1.039 χ^2/NDF: 1095145.0/31

All: 6436.351+/-0.735 χ^2/NDF: 2273811.6/65

- sign 6434.664+/-1.040 χ^2/NDF: 1178661.4/33

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -14.412+/-2.519 χ^2/NDF:34.1/15

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

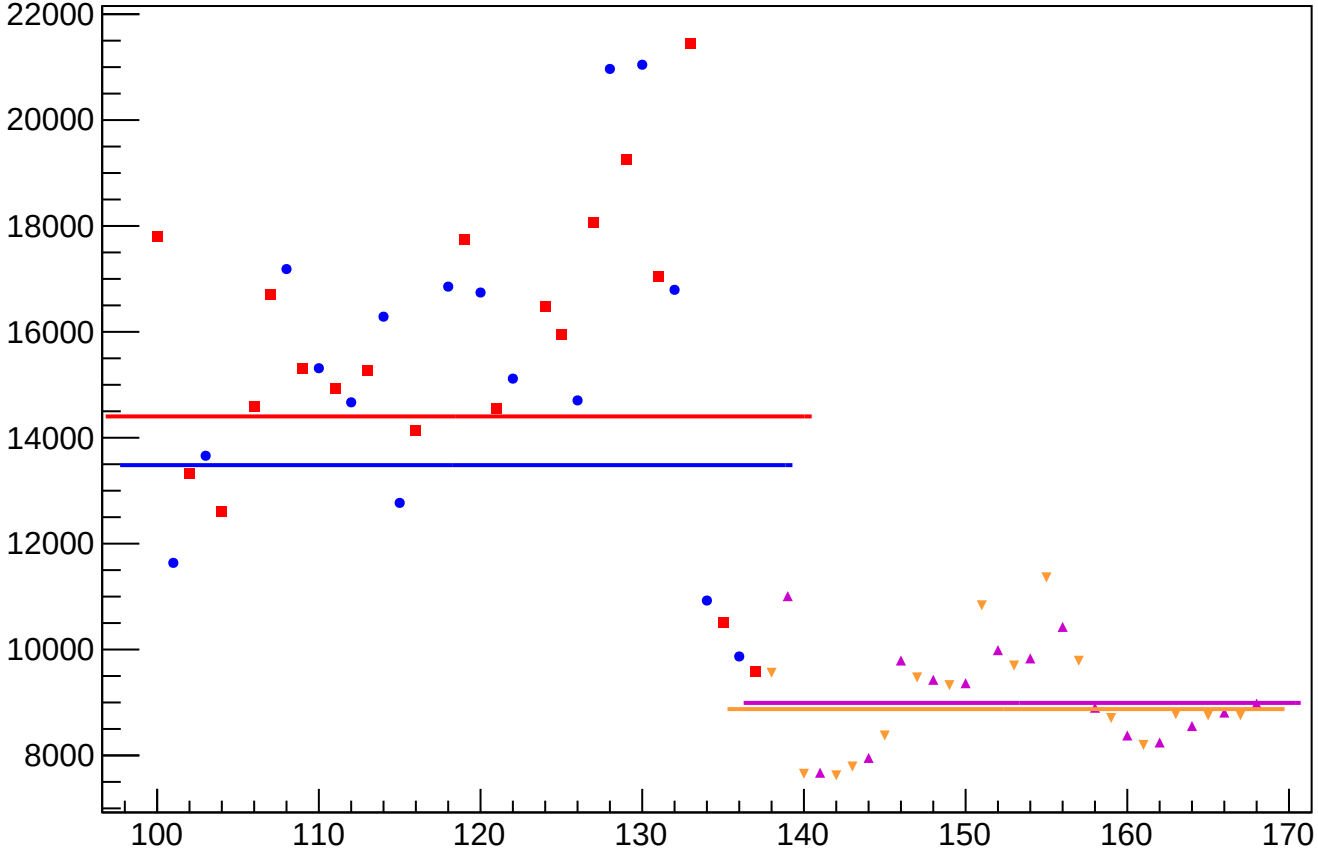
Left In: 1.053+/-2.570 χ^2/NDF:14.5/14

+ sign -13.531+/-2.266 χ^2/NDF: 56.8/31

All: -7.476+/-1.621 χ^2/NDF: 104.1/65

- sign -1.131+/-2.319 χ^2/NDF: 32.7/33

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8874.690+/-1.782 χ^2/NDF:293605.5/15

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

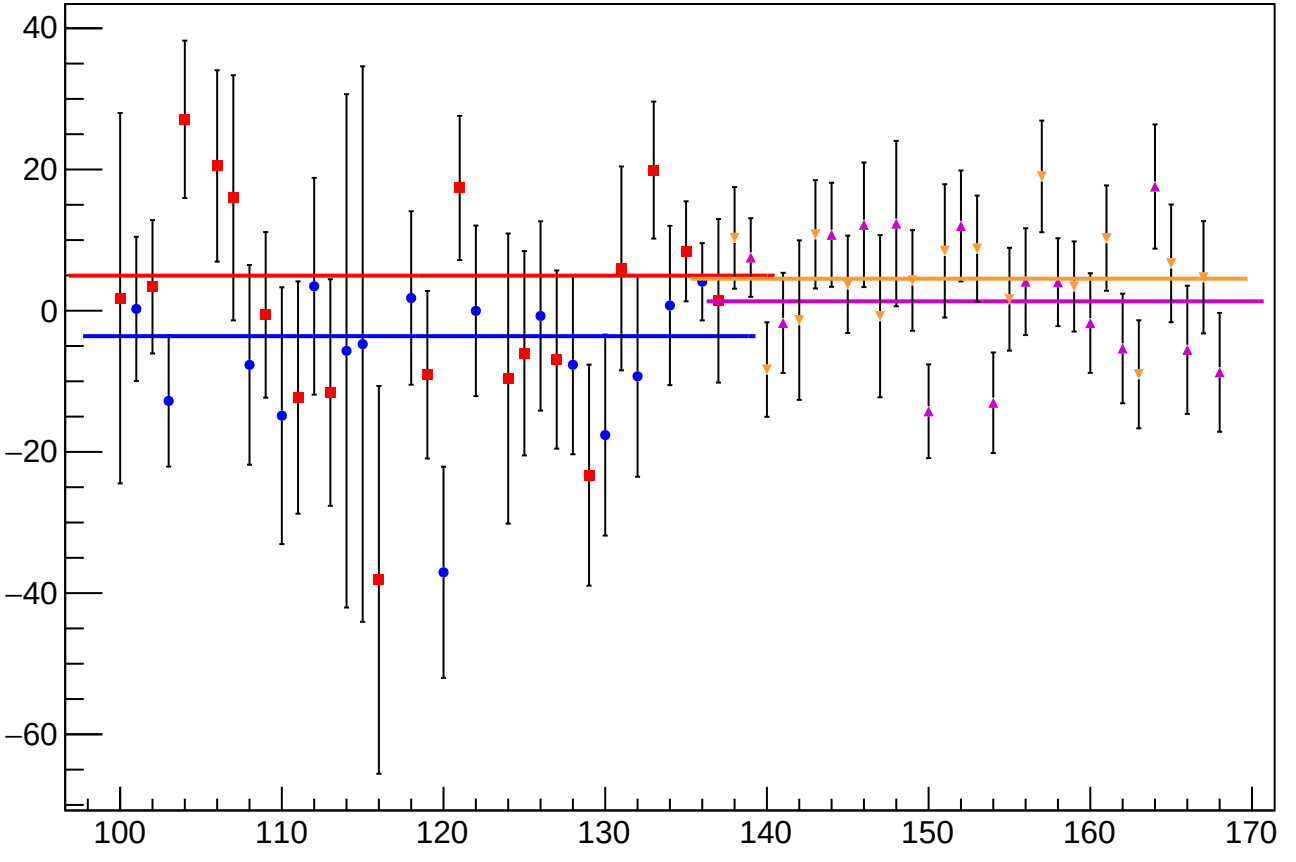
Left In: 8991.912+/-1.817 χ^2/NDF:244340.5/14

+ sign 9756.826+/-1.602 χ^2/NDF: 2318091.7/31

All: 9874.197+/-1.146 χ^2/NDF: 4772582.7/65

- sign 9997.199+/-1.640 χ^2/NDF: 2443497.5/33

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 4.532+/-1.930 χ^2/NDF:13.4/15

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

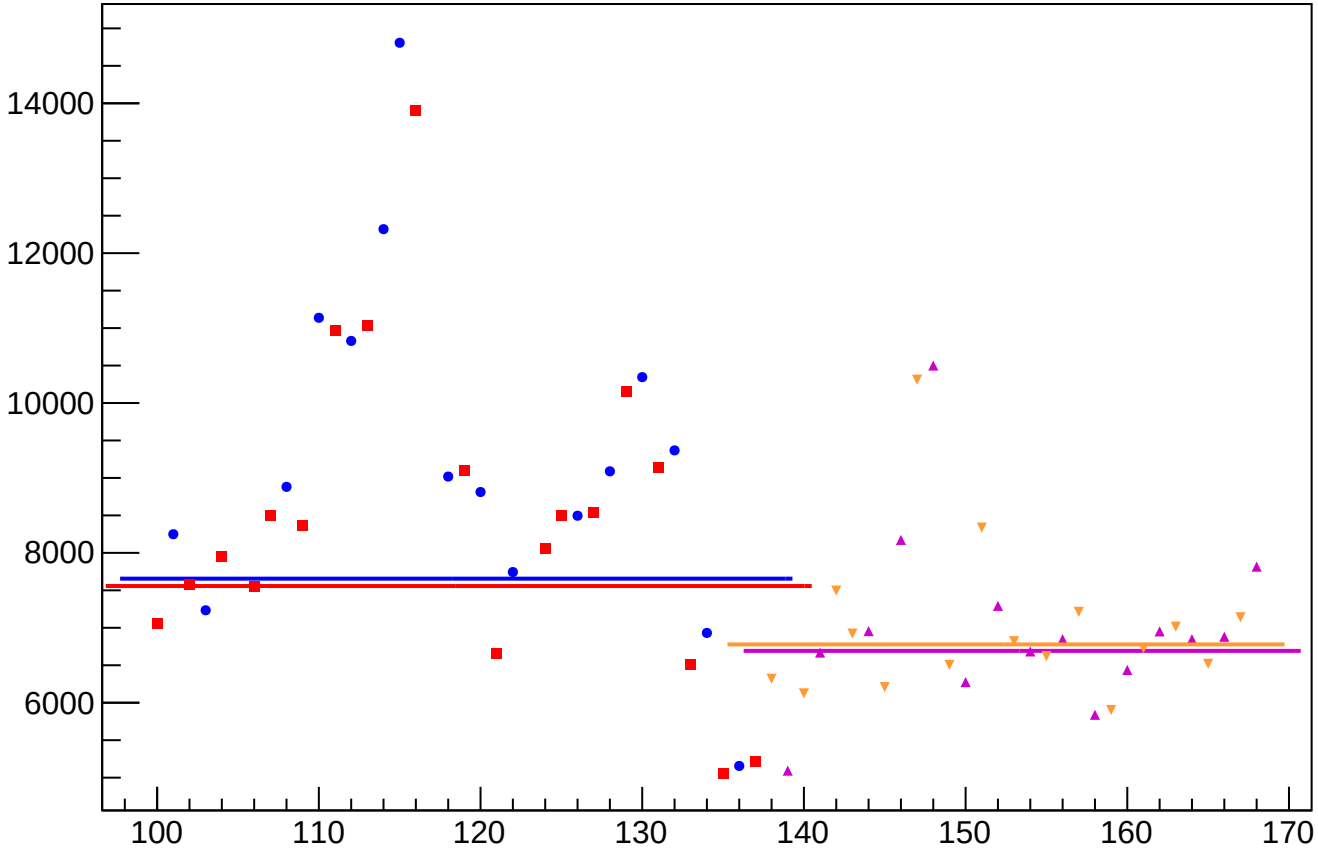
Left In: 1.326+/-1.930 χ^2/NDF:23.5/14

+ sign 2.080+/-1.614 χ^2/NDF: 29.2/31

All: 2.276+/-1.136 χ^2/NDF: 75.3/65

- sign 2.467+/-1.599 χ^2/NDF: 46.0/33

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6778.182+/-1.365 χ^2/NDF:349151.8/15

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

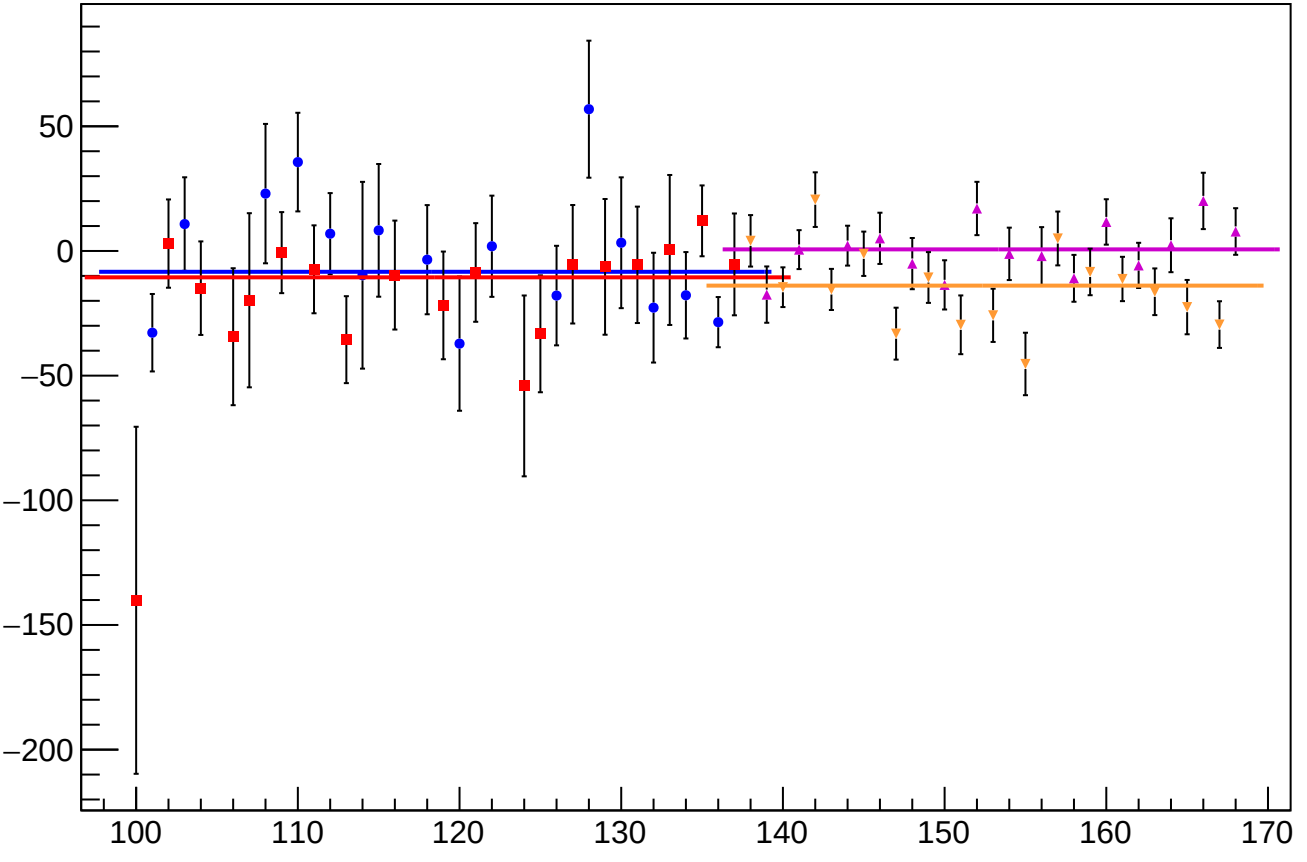
Left In: 6691.962+/-1.365 χ^2/NDF:535191.2/14

+ sign 7042.595+/-1.141 χ^2/NDF: 1353465.7/31

All: 7002.641+/-0.803 χ^2/NDF: 2827079.2/65

- sign 6963.407+/-1.131 χ^2/NDF: 1471183.4/33

diff_bpm4ecX_mean vs Slug



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -13.897+/-2.454 χ^2/NDF:34.9/15

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

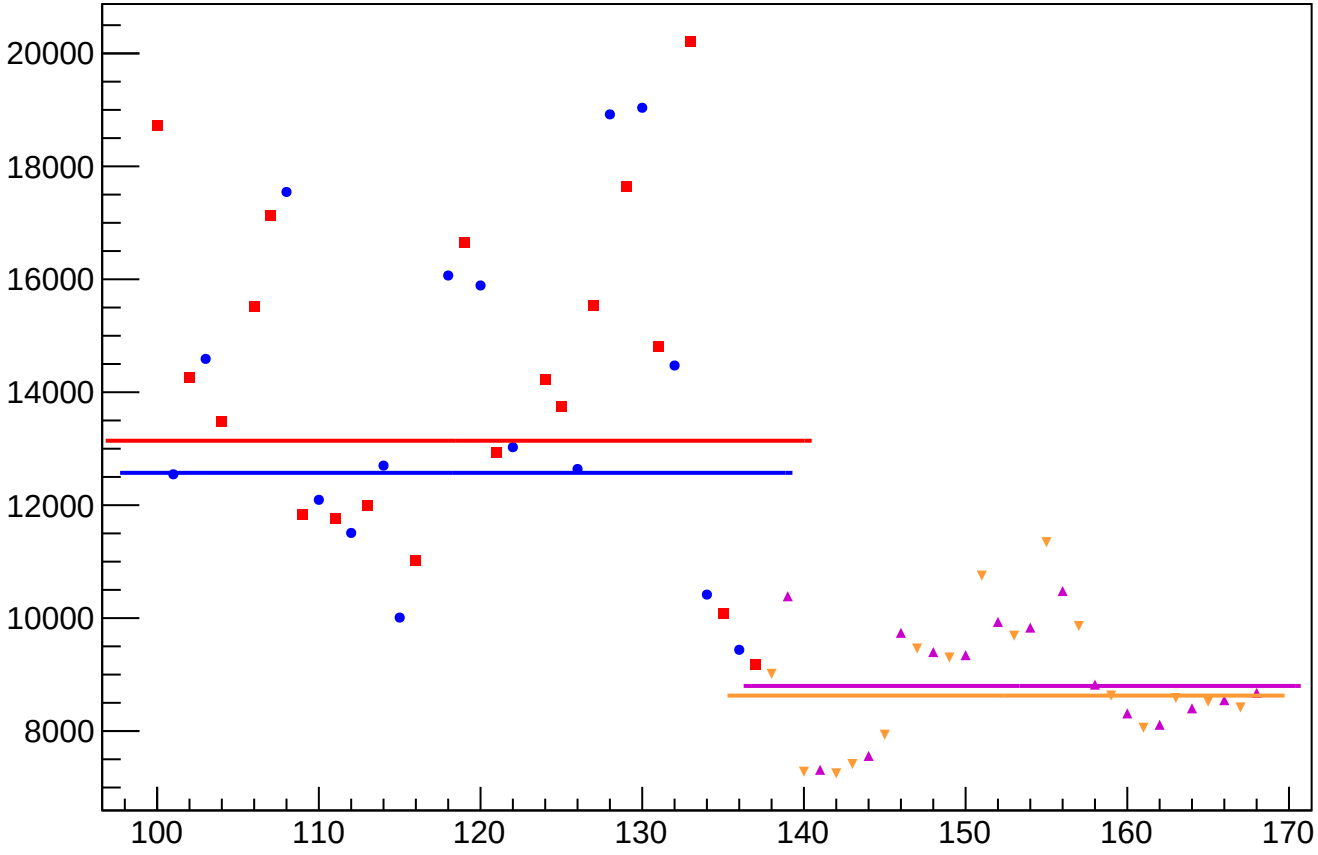
Left In: 0.639+/-2.518 χ^2/NDF:14.7/14

+ sign -12.753+/-2.186 χ^2/NDF: 59.2/31

All: -7.360+/-1.565 χ^2/NDF: 103.4/65

- sign -1.696+/-2.241 χ^2/NDF: 31.7/33

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8627.920+/-1.735 χ^2/NDF:382880.0/15

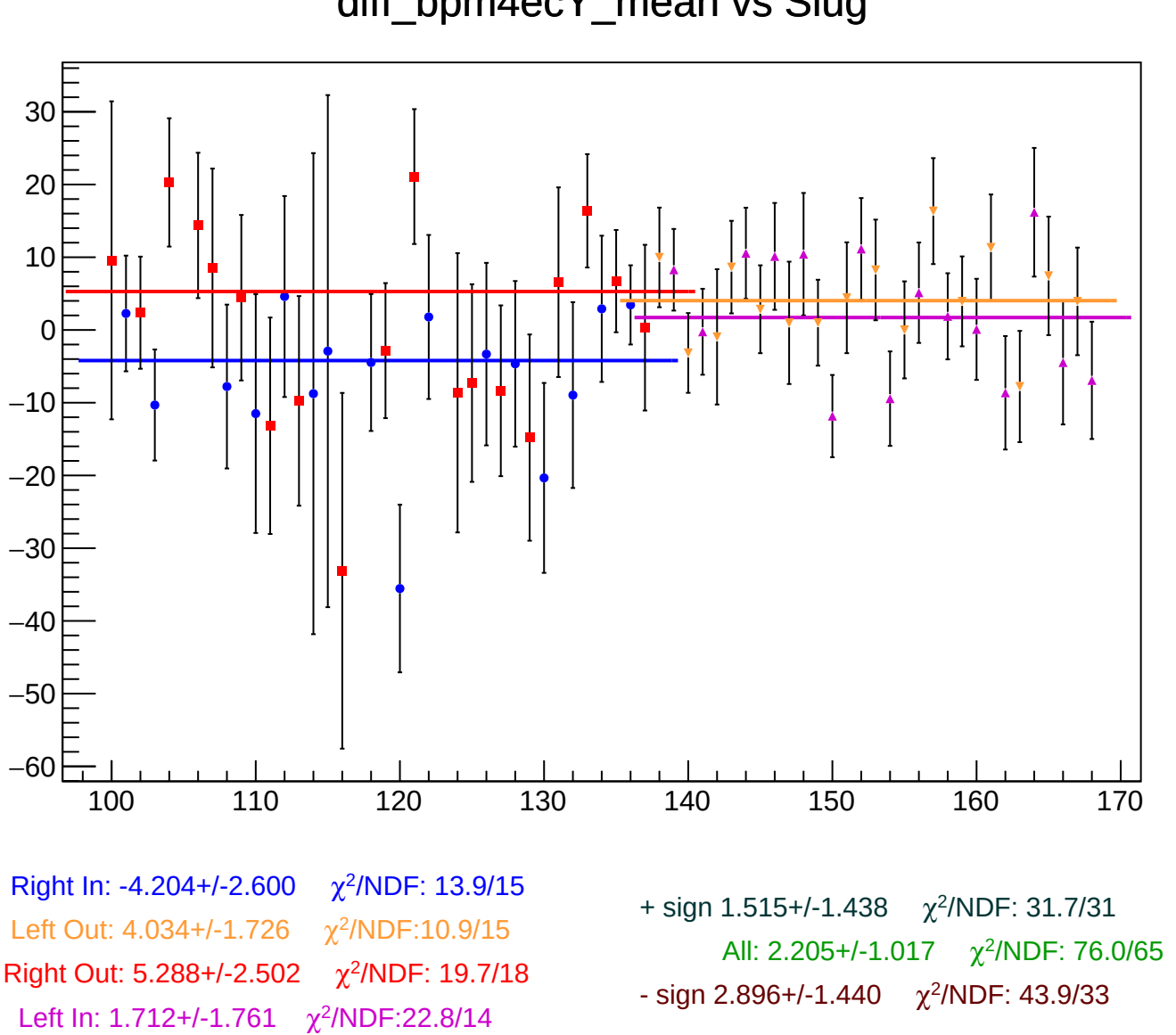
Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8798.818+/-1.781 χ^2/NDF:294548.7/14

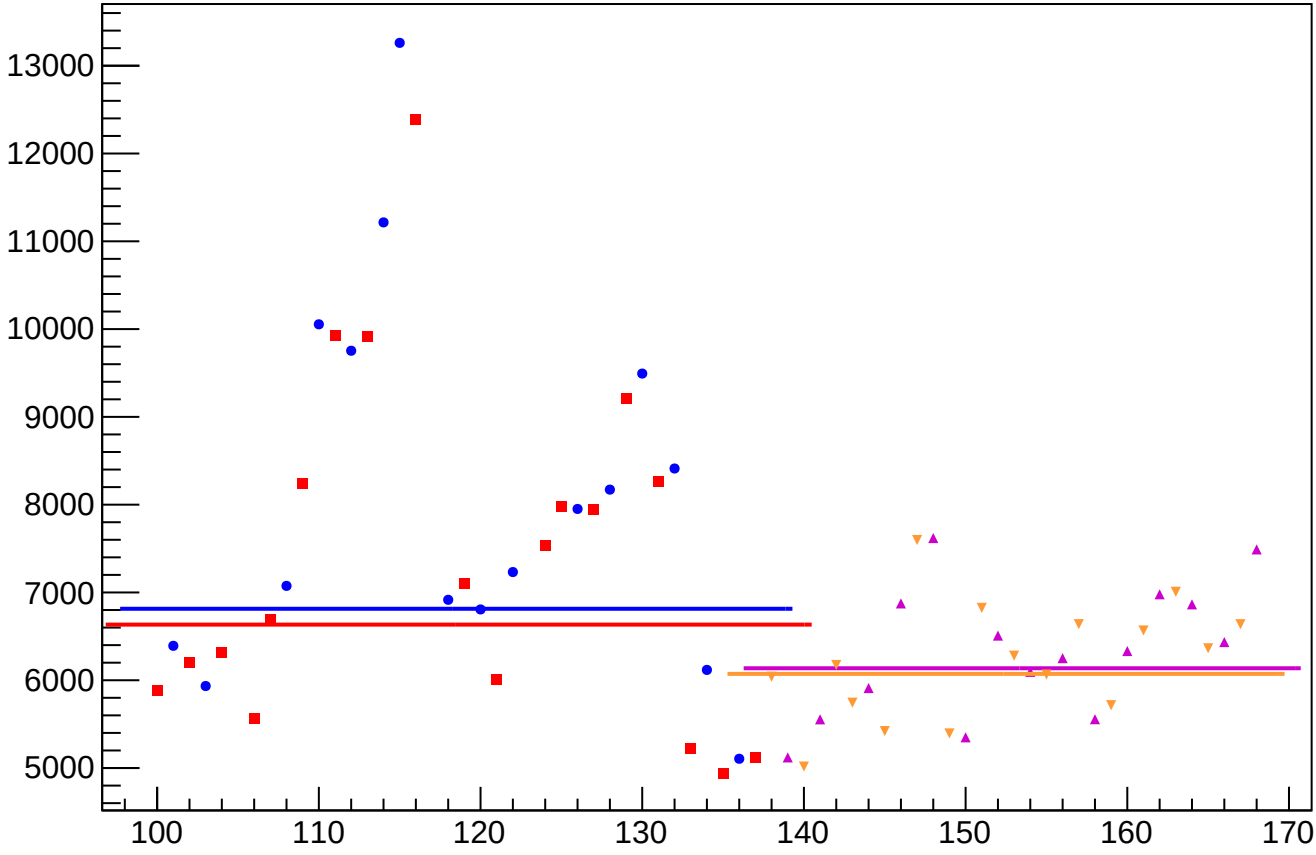
+ sign 9441.744+/-1.546 χ^2/NDF: 2113852.5/31

All: 9569.125+/-1.107 χ^2/NDF: 4195226.5/65

- sign 9702.915+/-1.584 χ^2/NDF: 2067456.2/33


diff_bpm4ecY_mean vs Slug
30
20
10
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
170
Right In: -4.204+/-2.600 χ²/NDF: 13.9/15
Left Out: 4.034+/-1.726 χ²/NDF:10.9/15
Right Out: 5.288+/-2.502 χ²/NDF: 19.7/18
Left In: 1.712+/-1.761 χ²/NDF:22.8/14
+ sign 1.515+/-1.438 χ²/NDF: 31.7/31
All: 2.205+/-1.017 χ²/NDF: 76.0/65
- sign 2.896+/-1.440 χ²/NDF: 43.9/33

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6072.555+/-1.220 χ^2/NDF:288489.6/15

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

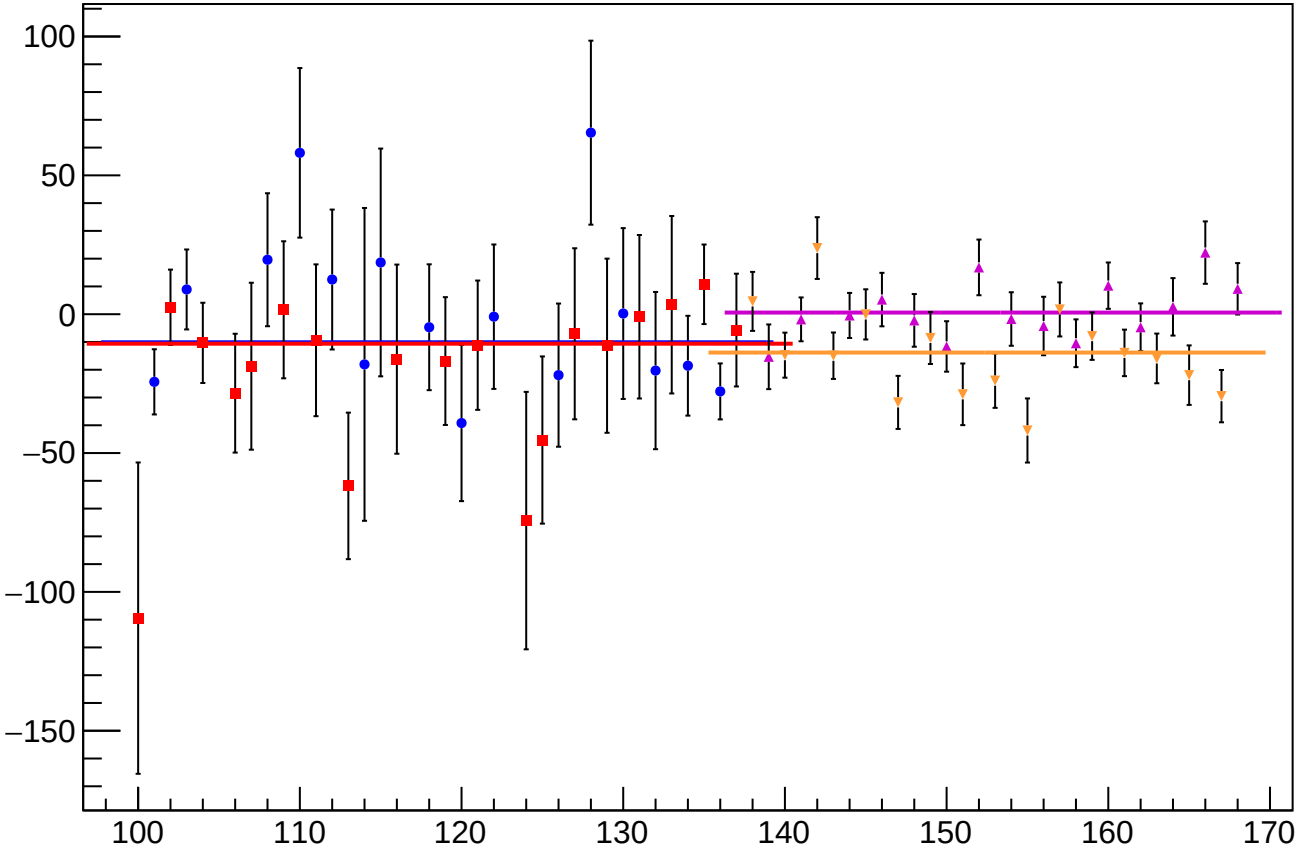
Left In: 6136.602+/-1.245 χ^2/NDF:331238.7/14

+ sign 6299.316+/-1.017 χ^2/NDF: 1075559.6/31

All: 6300.296+/-0.719 χ^2/NDF: 2222940.3/65

- sign 6301.278+/-1.018 χ^2/NDF: 1147378.9/33

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -13.813+/-2.370 χ^2/NDF:35.9/15

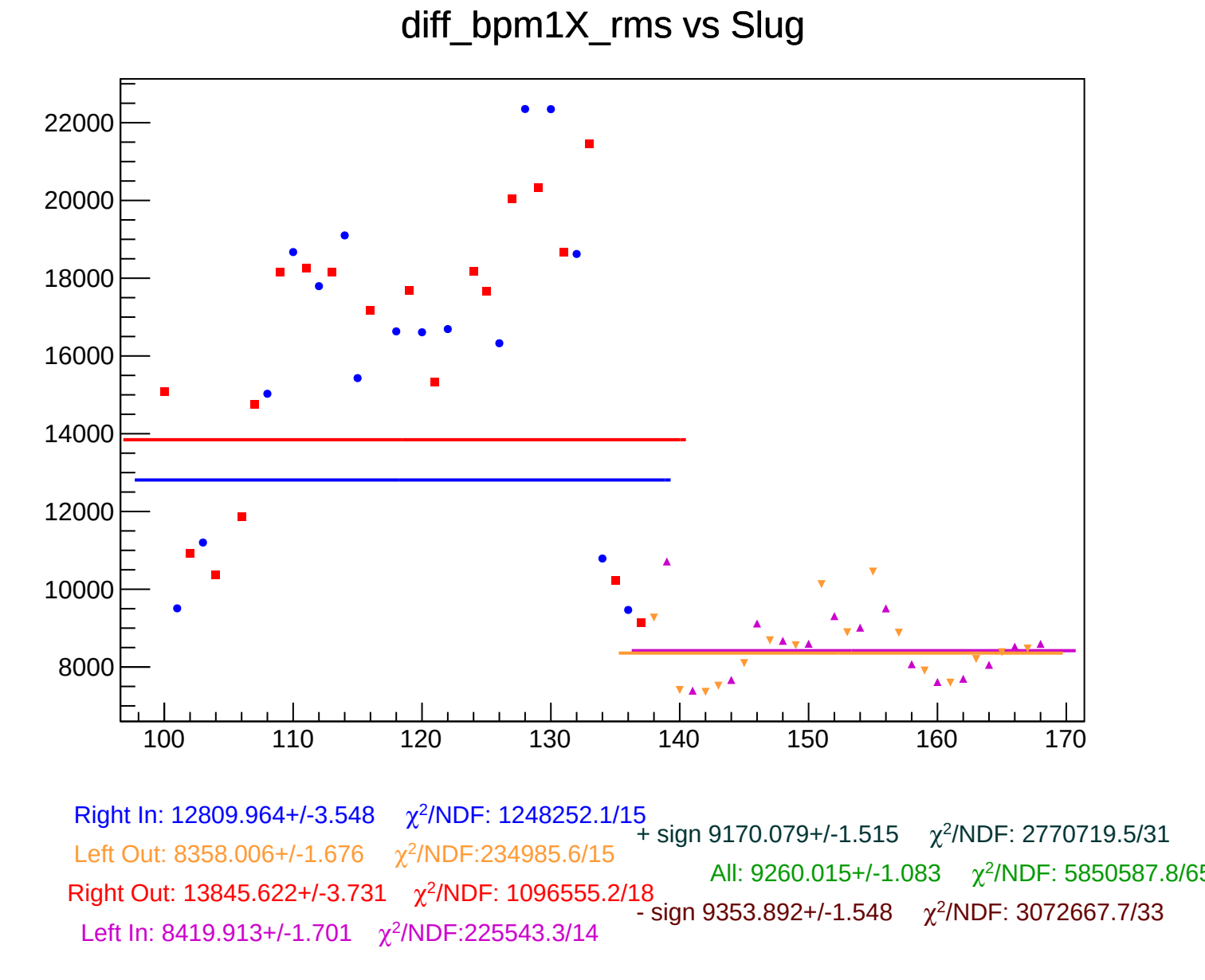
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 0.593+/-2.406 χ^2/NDF:15.0/14

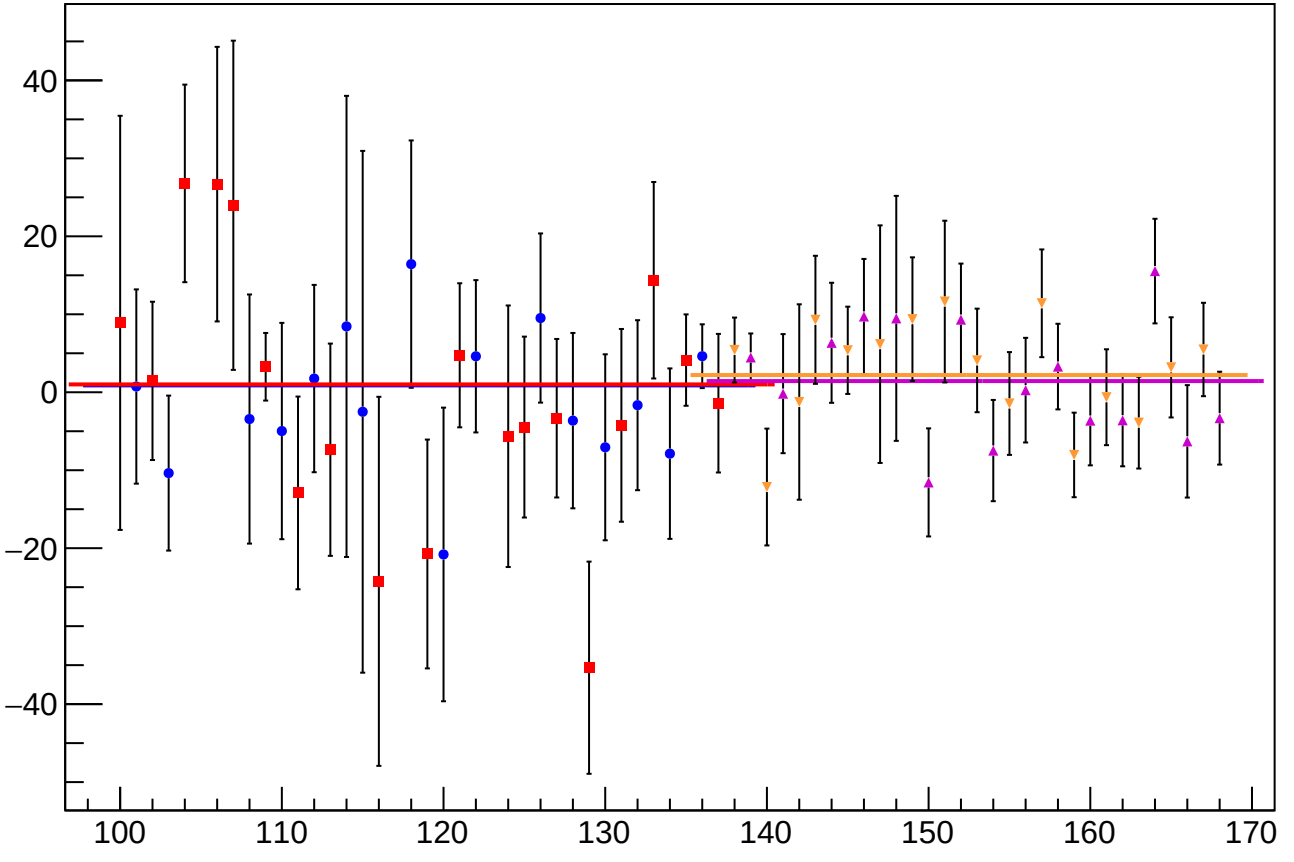
+ sign -13.138+/-2.143 χ^2/NDF: 57.6/31

All: -7.364+/-1.531 χ^2/NDF: 105.9/65

- sign -1.338+/-2.189 χ^2/NDF: 33.5/33


diff_bpm1X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 8358.006+/-1.676 χ²/NDF:234985.6/15
Right Out: 13845.622+/-3.731 χ²/NDF: 1096555.2/18
Left In: 8419.913+/-1.701 χ²/NDF:225543.3/14
+ sign 9170.079+/-1.515 χ²/NDF: 2770719.5/31
All: 9260.015+/-1.083 χ²/NDF: 5850587.8/65
- sign 9353.892+/-1.548 χ²/NDF: 3072667.7/33

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 2.207+/-1.652 χ^2/NDF:14.5/15

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

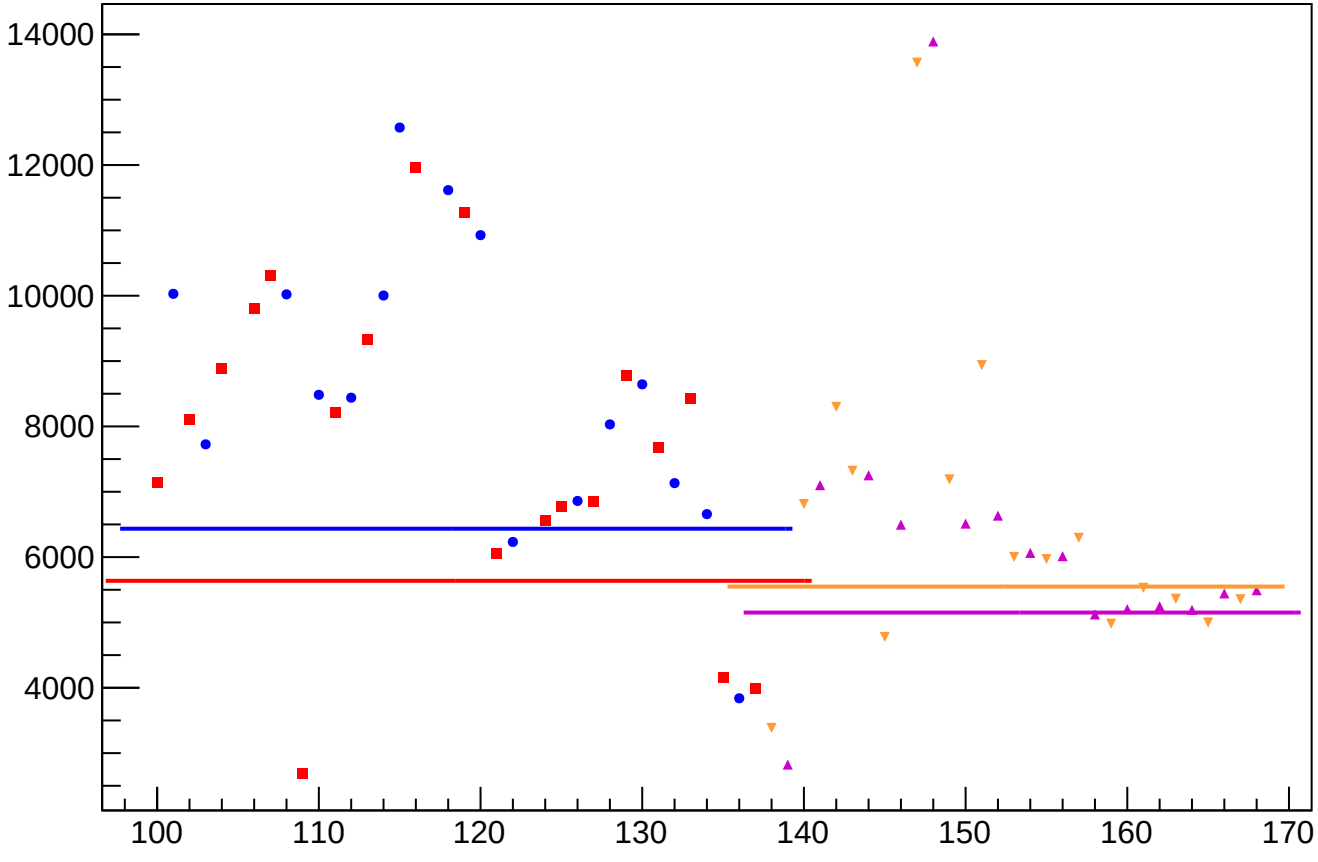
Left In: 1.435+/-1.561 χ^2/NDF:17.4/14

+ sign 1.819+/-1.389 χ^2/NDF: 21.5/31

All: 1.541+/-0.947 χ^2/NDF: 61.3/65

- sign 1.300+/-1.294 χ^2/NDF: 39.7/33

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5549.198+/-1.168 χ^2/NDF:1760494.5/15

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

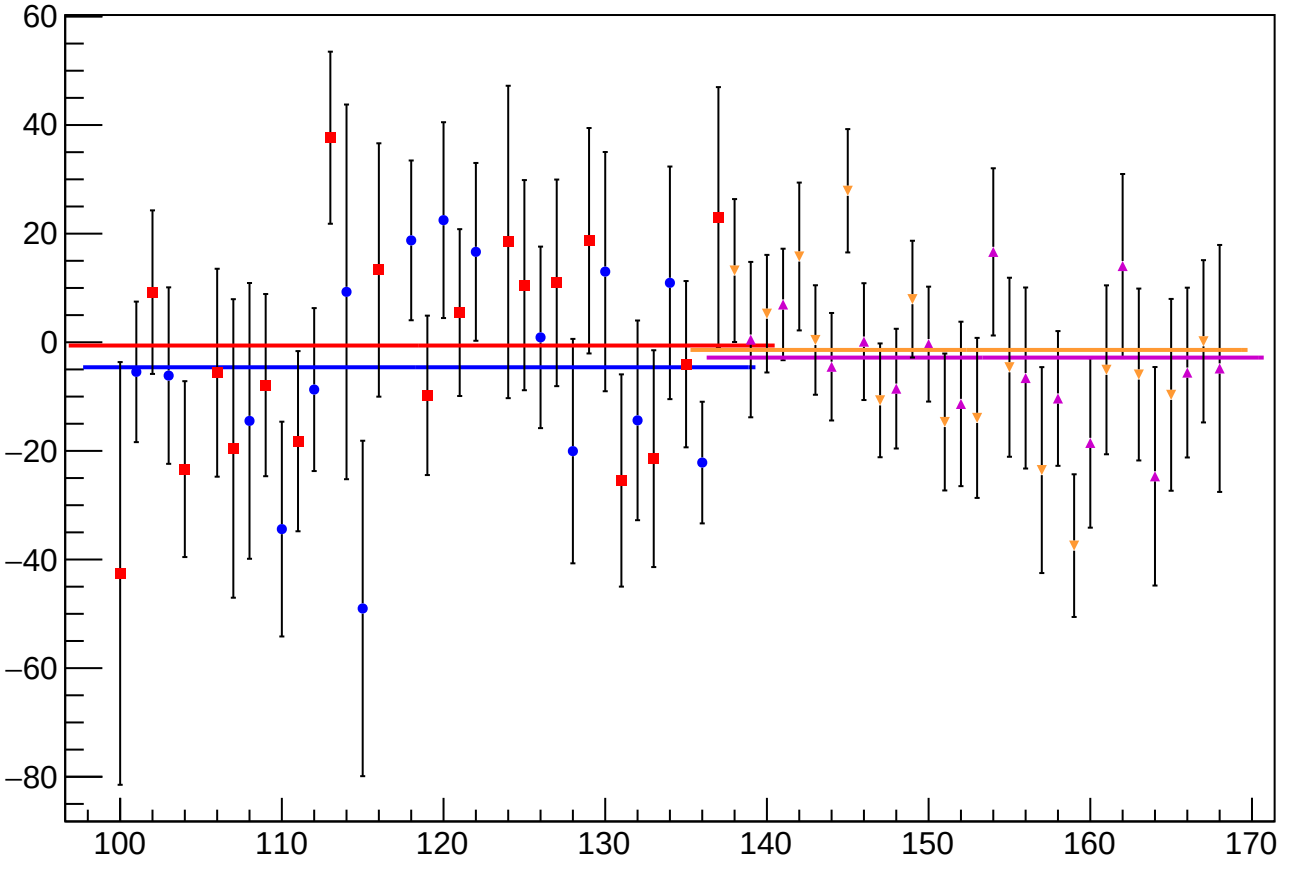
Left In: 5151.454+/-1.104 χ^2/NDF:2356721.2/14

+ sign 5808.606+/-0.982 χ^2/NDF: 3679431.0/31

All: 5538.192+/-0.670 χ^2/NDF: 8818376.9/65

- sign 5303.447+/-0.915 χ^2/NDF: 4997338.1/33

diff_bpm11X_mean vs Slug



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -1.410+/-3.261 χ^2/NDF:22.6/15

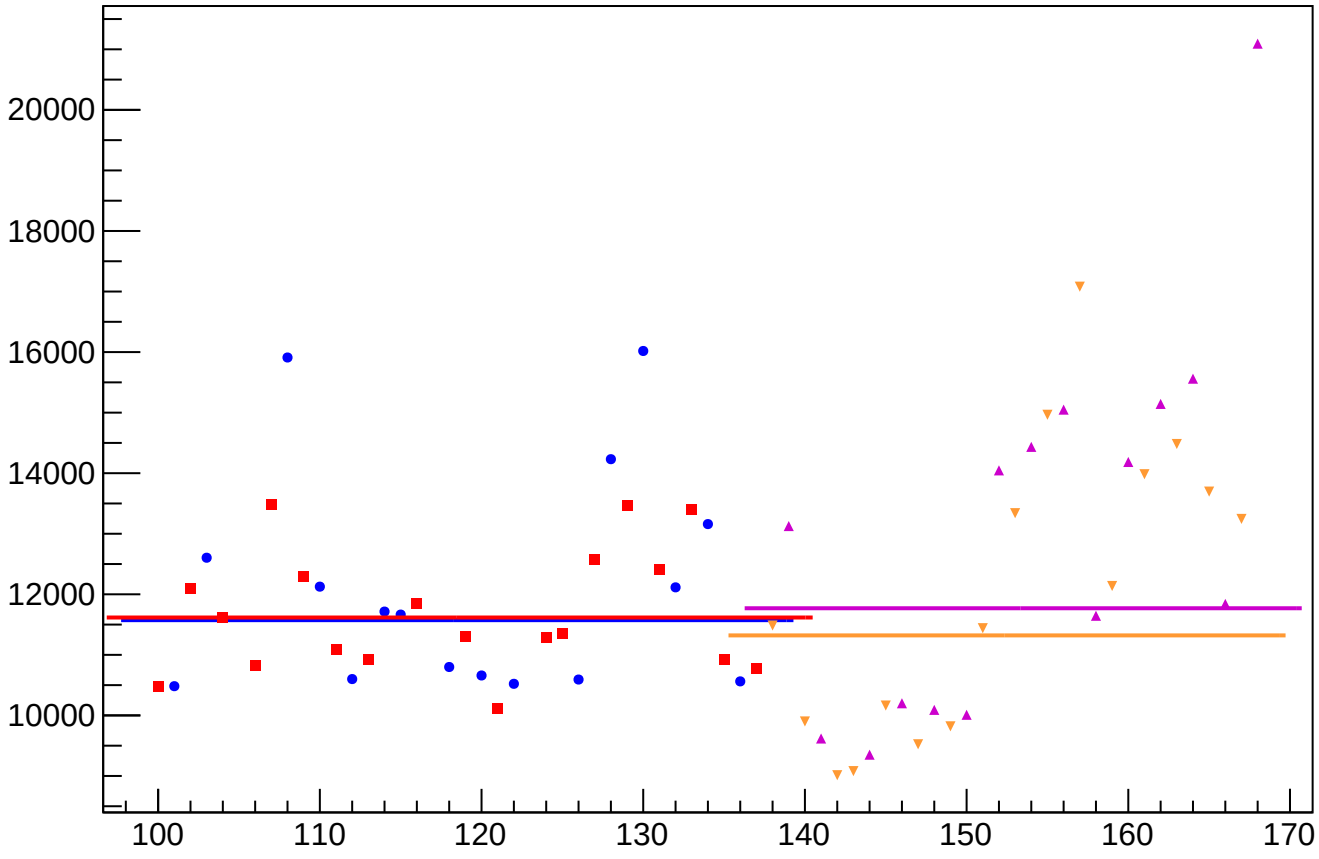
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -2.821+/-3.427 χ^2/NDF:6.9/14

\+ sign -2.557+/-2.610 χ^2/NDF: 38.7/31

All: -2.260+/-1.867 χ^2/NDF: 63.7/65

\- sign -1.950+/-2.672 χ^2/NDF: 25.0/33



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 11321.329+/-2.306 χ^2/NDF:845373.8/15

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

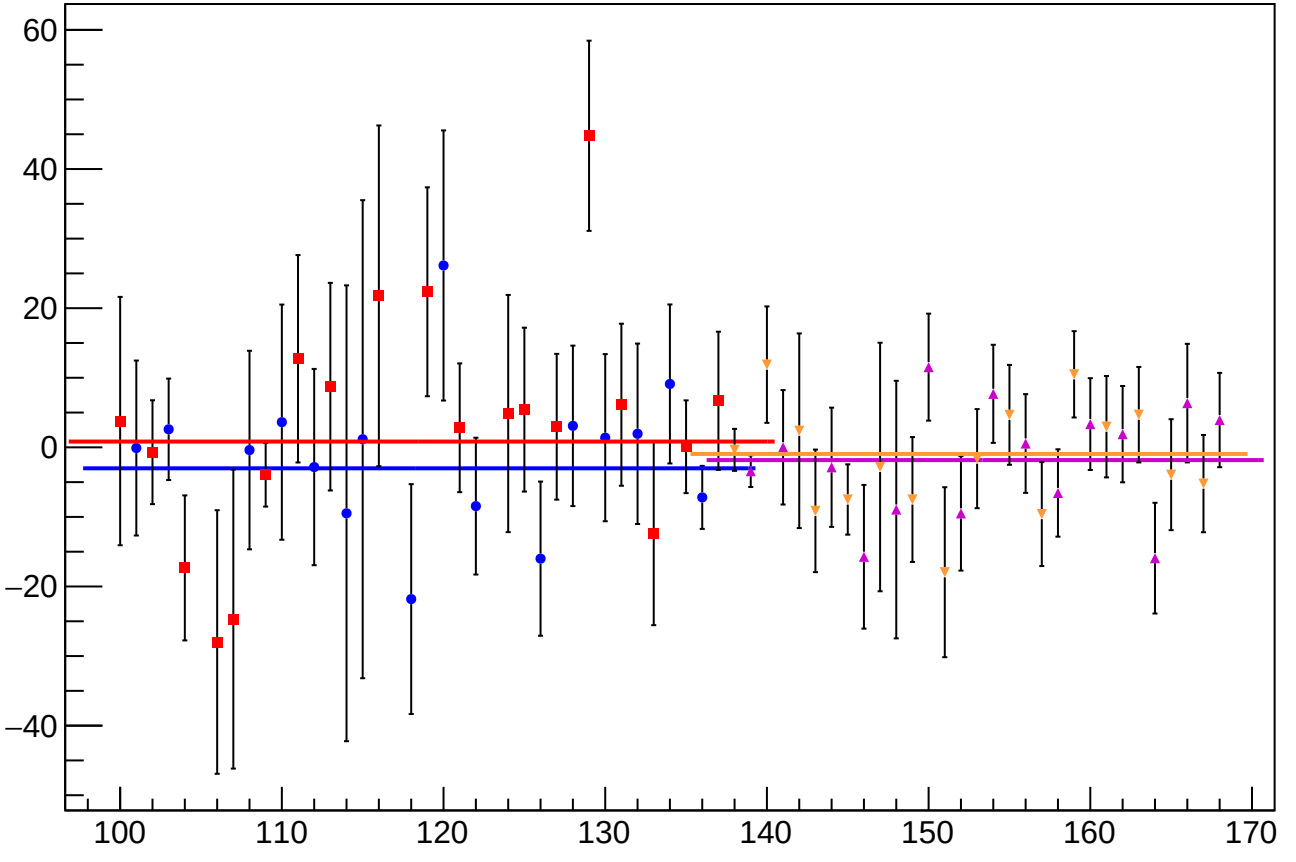
Left In: 11769.557+/-2.423 χ^2/NDF:1087011.9/14

+ sign 11411.776+/-1.846 χ^2/NDF: 1109723.3/31

All: 11557.249+/-1.320 χ^2/NDF: 2304180.0/6

- sign 11709.648+/-1.889 χ^2/NDF: 1181736.6/33

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.950+/-1.660 χ^2/NDF:14.3/15

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

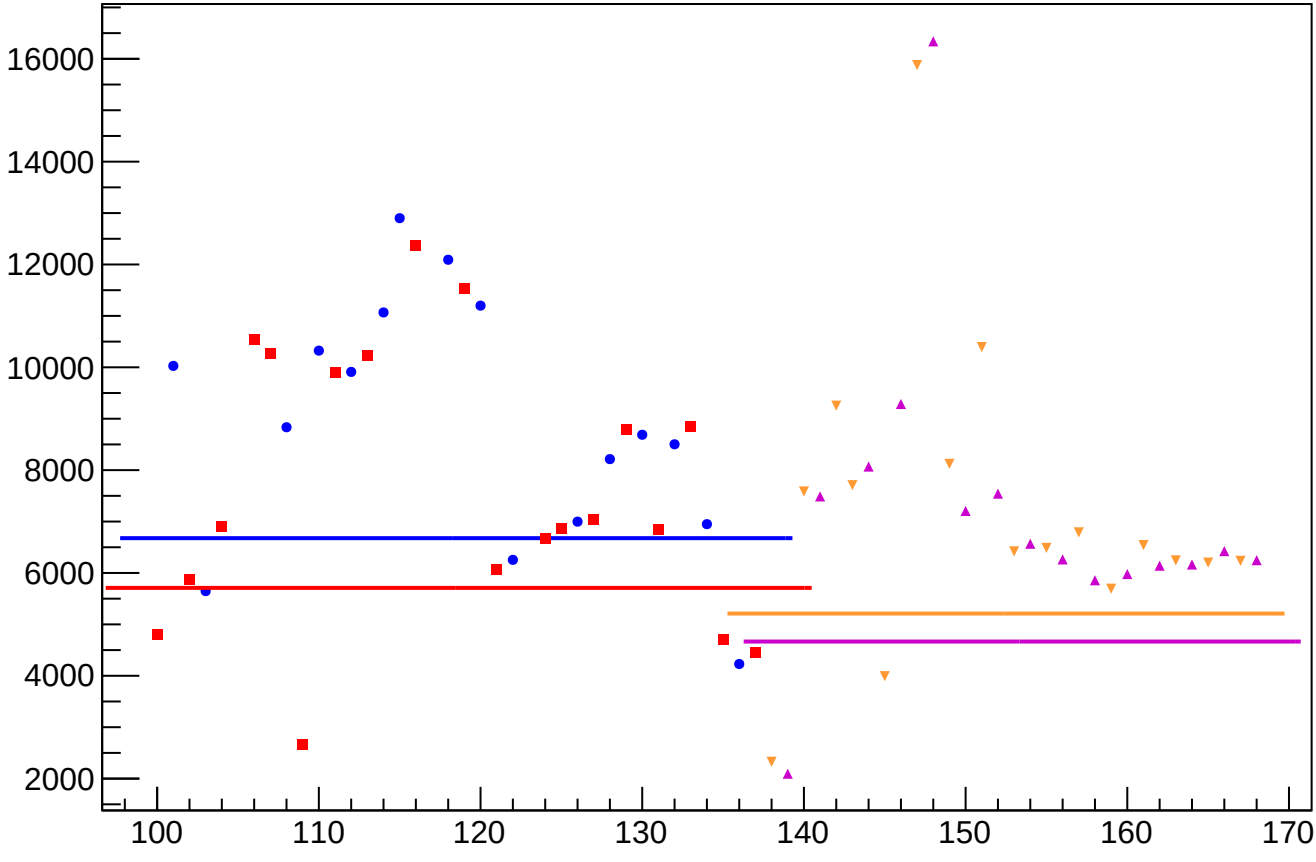
Left In: -1.832+/-1.534 χ^2/NDF:14.6/14

+ sign -1.531+/-1.407 χ^2/NDF: 23.4/31

All: -1.262+/-0.949 χ^2/NDF: 62.8/65

- sign -1.038+/-1.285 χ^2/NDF: 39.3/33

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5210.274+/-1.174 χ^2/NDF:4123470.4/15

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

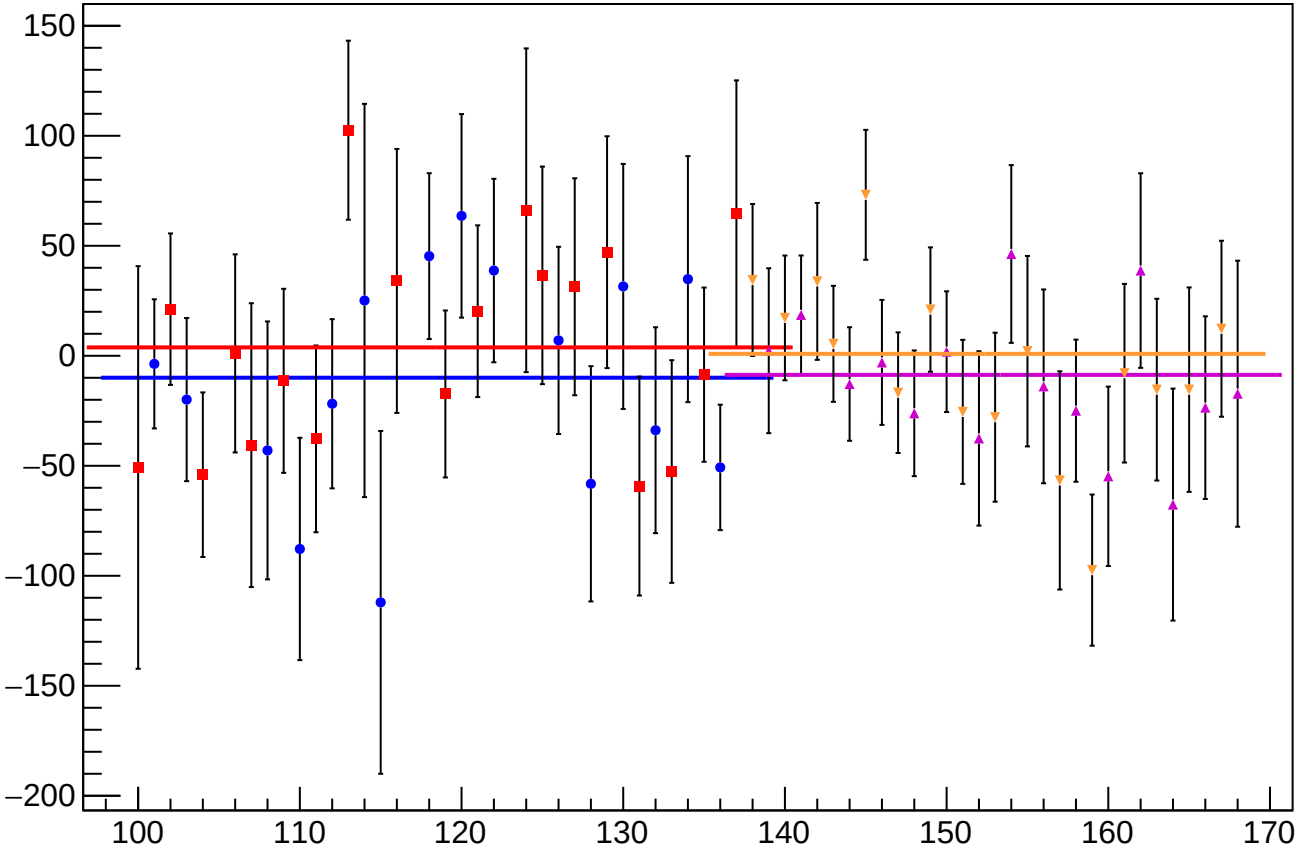
Left In: 4666.007+/-1.084 χ^2/NDF:5506600.7/14

+ sign 5622.769+/-0.995 χ^2/NDF: 6135337.8/31

All: 5270.694+/-0.671 χ^2/NDF: 14448832.8/6

- sign 4977.448+/-0.908 χ^2/NDF: 8084114.5/33

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.884+/-8.539 χ^2/NDF:20.2/15

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

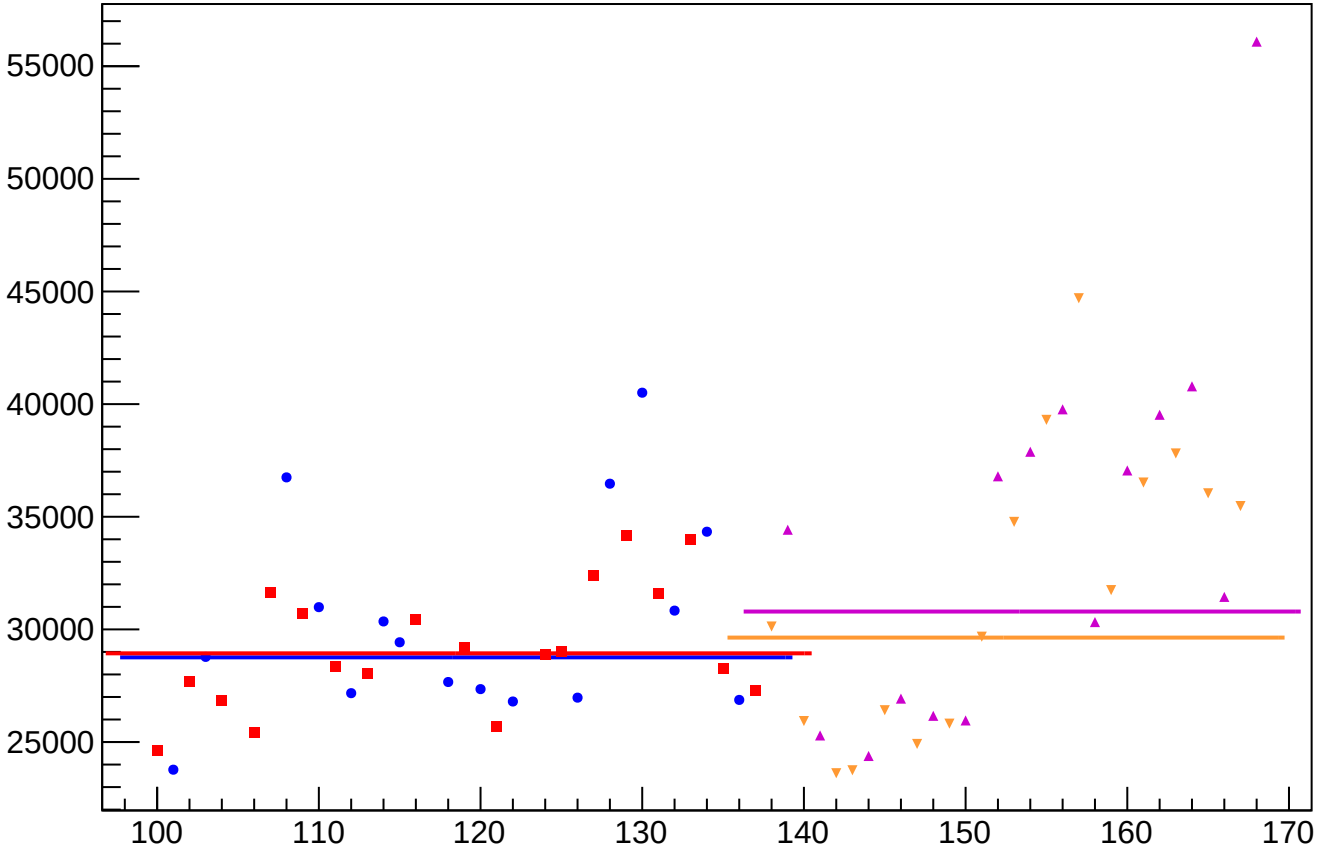
Left In: -8.678+/-8.970 χ^2/NDF:8.2/14

+ sign -3.274+/-6.707 χ^2/NDF: 36.1/31

All: -3.377+/-4.795 χ^2/NDF: 62.4/65

- sign -3.486+/-6.857 χ^2/NDF: 26.3/33

diff_bpm12X_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29636.413+/-6.038 χ^2/NDF:854919.3/15

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

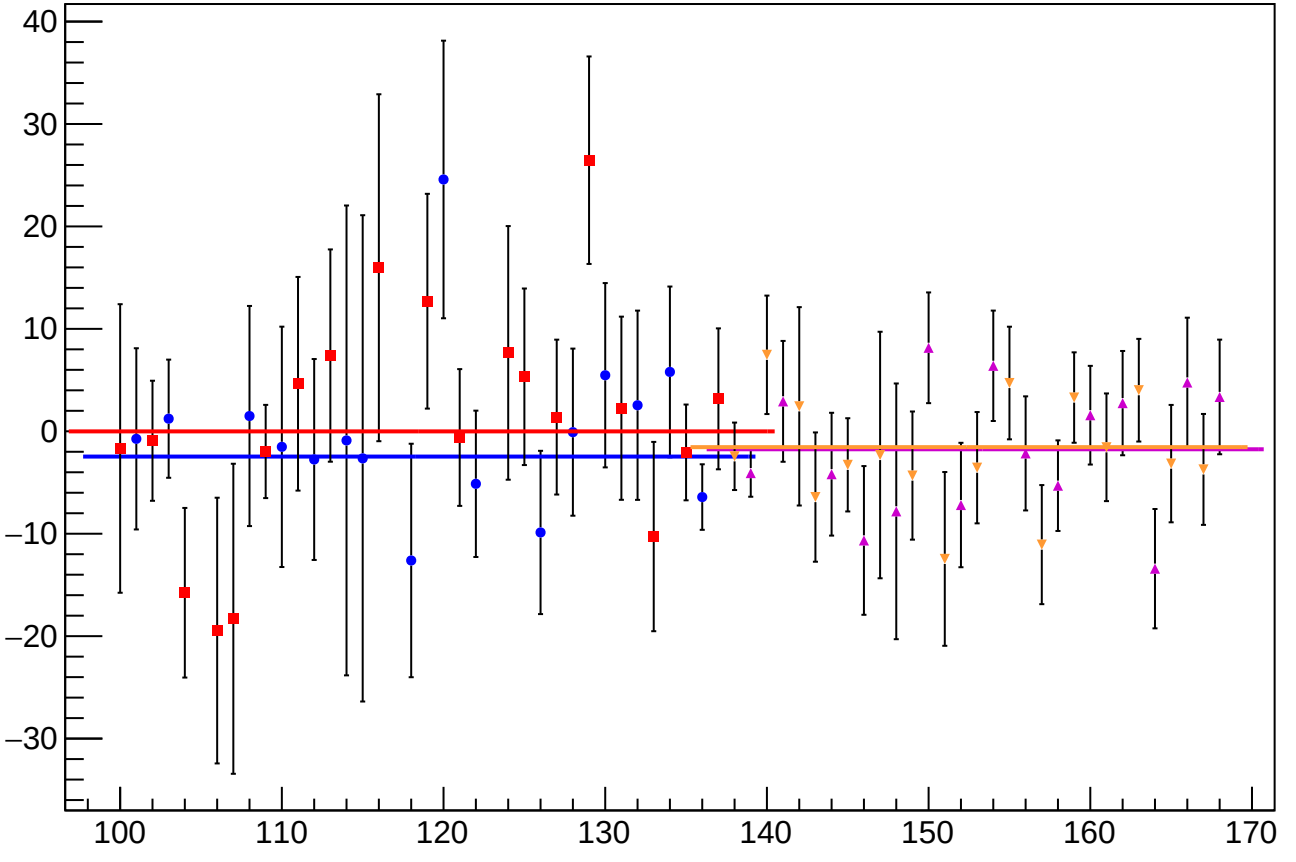
Left In: 30792.324+/-6.343 χ^2/NDF:1115583.1/14

+ sign 29300.337+/-4.742 χ^2/NDF: 1140646.8/31

All: 29652.913+/-3.390 χ^2/NDF: 2409338.1/6

- sign 30021.462+/-4.849 χ^2/NDF: 1257386.7/33

diff_bpm12Y_mean vs Slug



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.548+/-1.360 χ^2/NDF:12.1/15

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

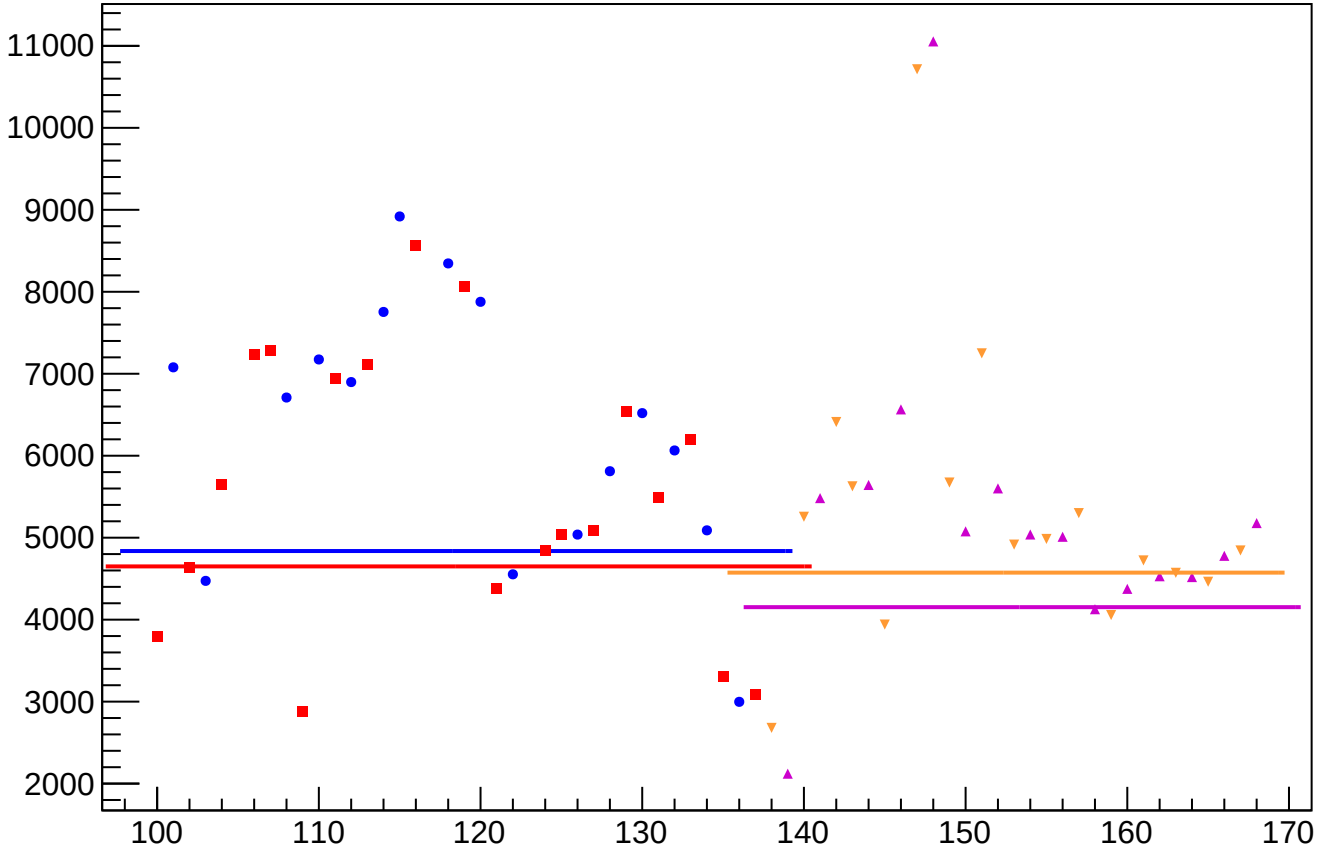
Left In: -1.755+/-1.273 χ^2/NDF:17.8/14

+ sign -1.856+/-1.109 χ^2/NDF: 22.3/31

All: -1.500+/-0.760 χ^2/NDF: 60.8/65

- sign -1.185+/-1.045 χ^2/NDF: 38.4/33

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4573.837+/-0.961 χ^2/NDF:1722713.4/15

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

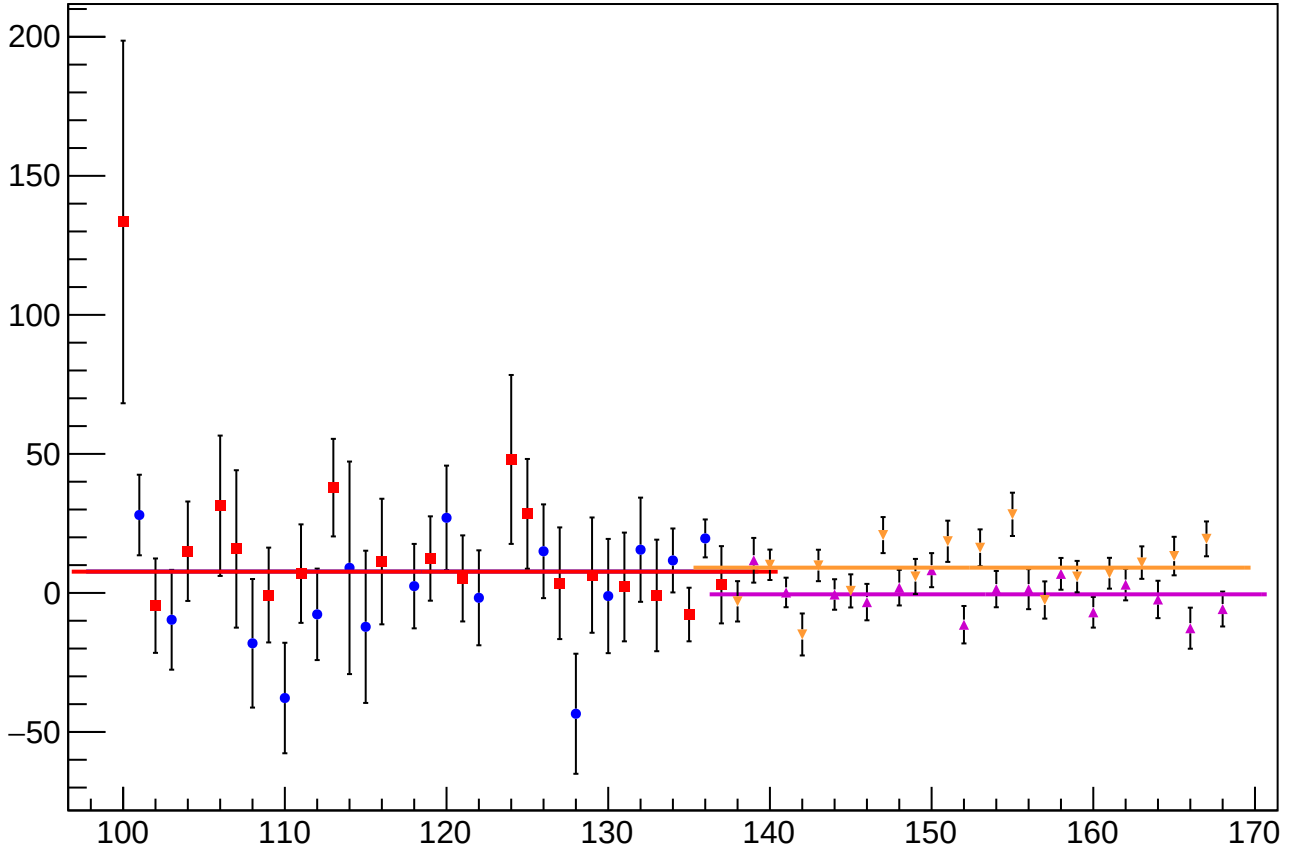
Left In: 4152.540+/-0.900 χ^2/NDF:2990311.9/14

+ sign 4662.045+/-0.784 χ^2/NDF: 3295615.4/31

All: 4478.195+/-0.538 χ^2/NDF: 7923879.0/65

- sign 4314.910+/-0.739 χ^2/NDF: 4524422.3/33

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 9.093+/-1.586 χ^2/NDF:34.0/15

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

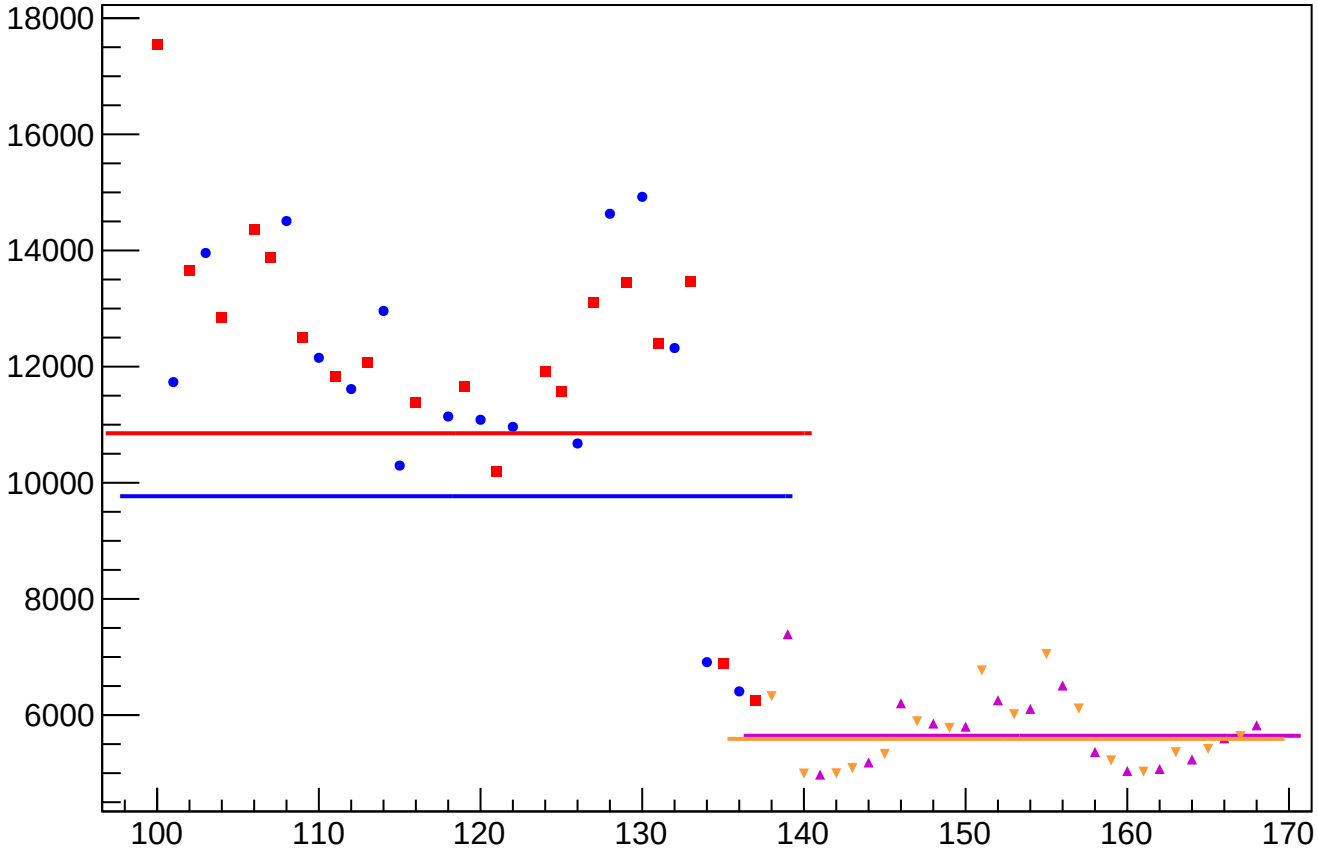
Left In: -0.503+/-1.614 χ^2/NDF:14.4/14

+ sign 8.888+/-1.465 χ^2/NDF: 55.7/31

All: 4.843+/-1.049 χ^2/NDF: 103.7/65

- sign 0.592+/-1.502 χ^2/NDF: 32.4/33

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5590.495+/-1.122 χ^2/NDF:257503.2/15

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

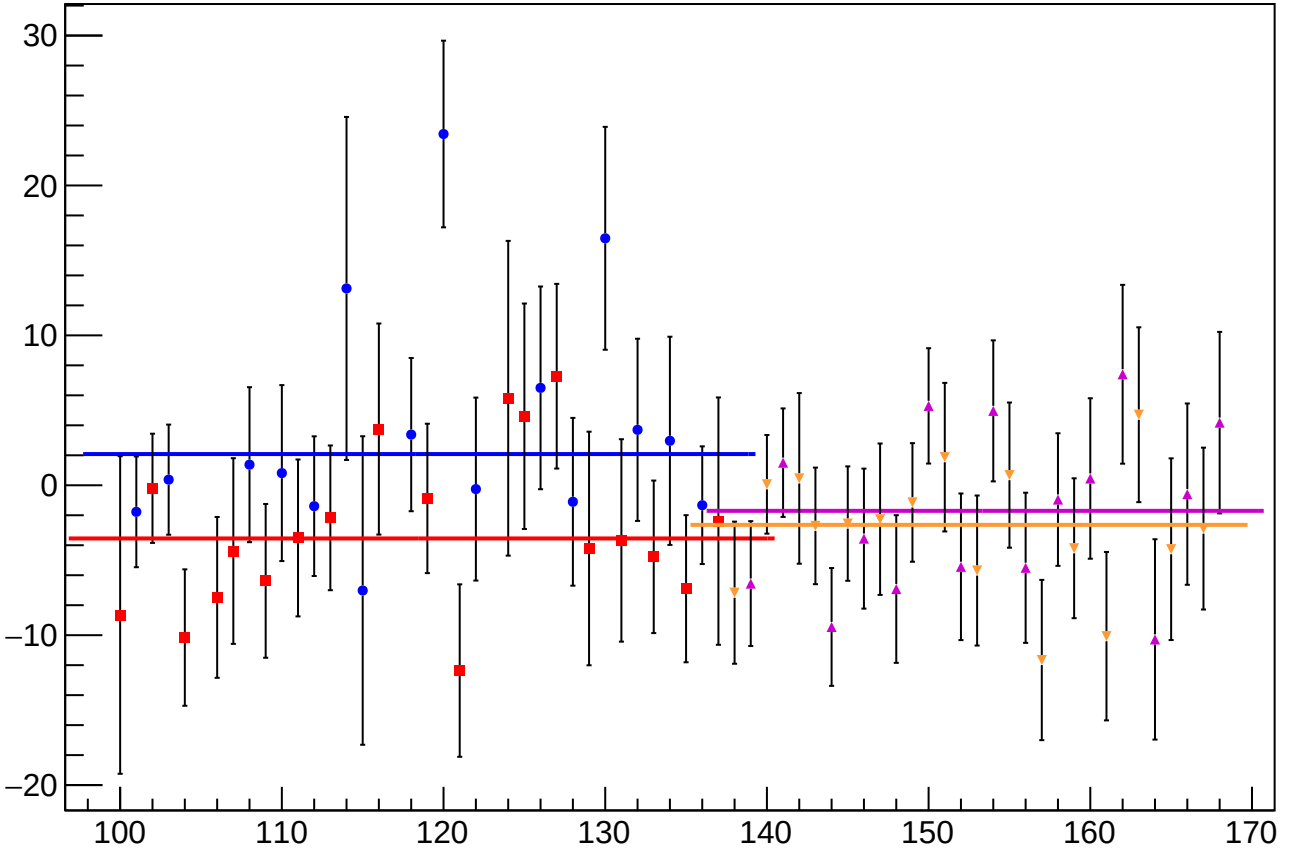
Left In: 5643.920+/-1.141 χ^2/NDF:272228.3/14

+ sign 6205.030+/-1.036 χ^2/NDF: 3512273.2/31

All: 6272.440+/-0.742 χ^2/NDF: 7463661.4/65

- sign 6343.311+/-1.062 χ^2/NDF: 3942700.8/33

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.640+/-1.168 χ^2/NDF:10.1/15

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

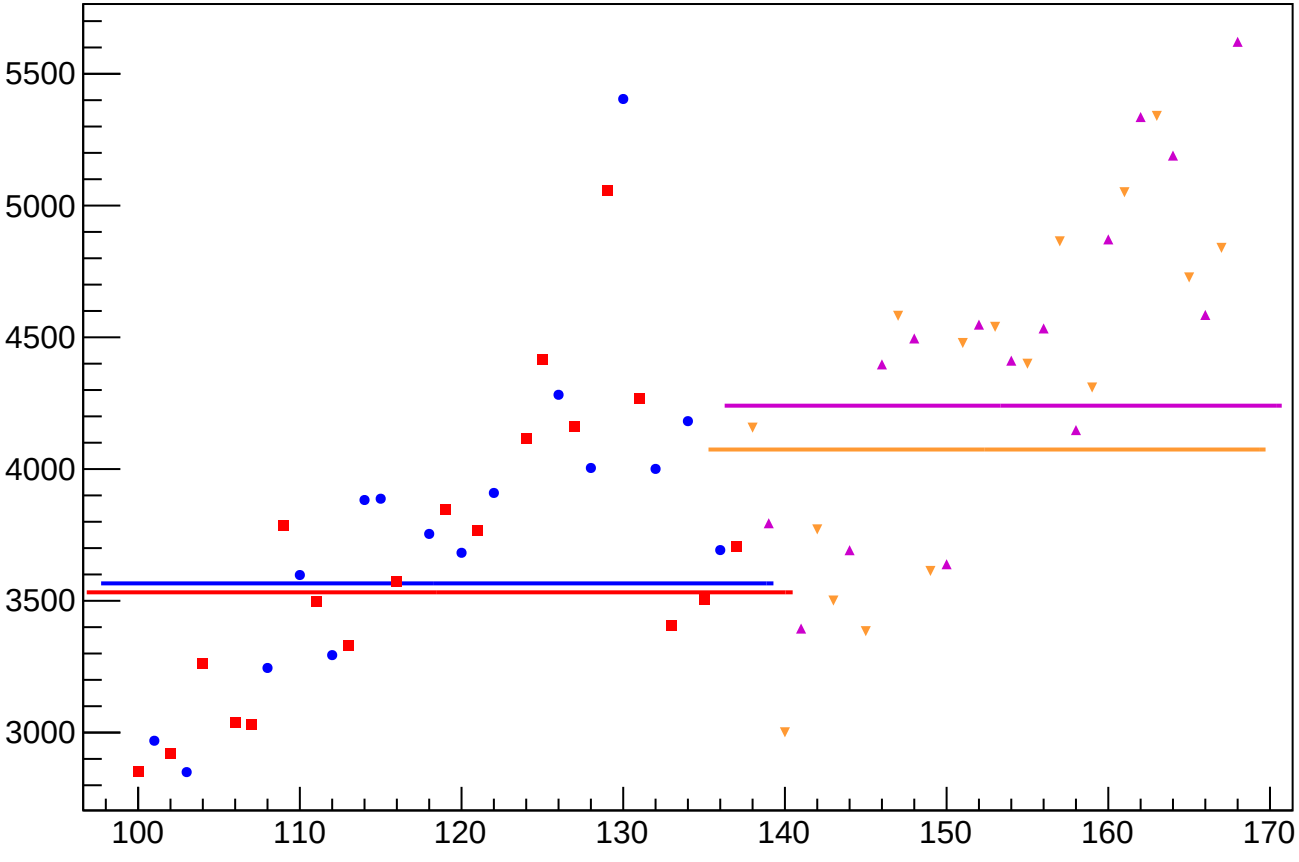
Left In: -1.705+/-1.220 χ^2/NDF:18.9/14

+ sign -0.610+/-0.882 χ^2/NDF: 38.0/31

All: -1.577+/-0.627 χ^2/NDF: 73.9/65

- sign -2.565+/-0.891 χ^2/NDF: 33.4/33

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4074.182+/-0.826 χ^2/NDF:681645.4/15

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

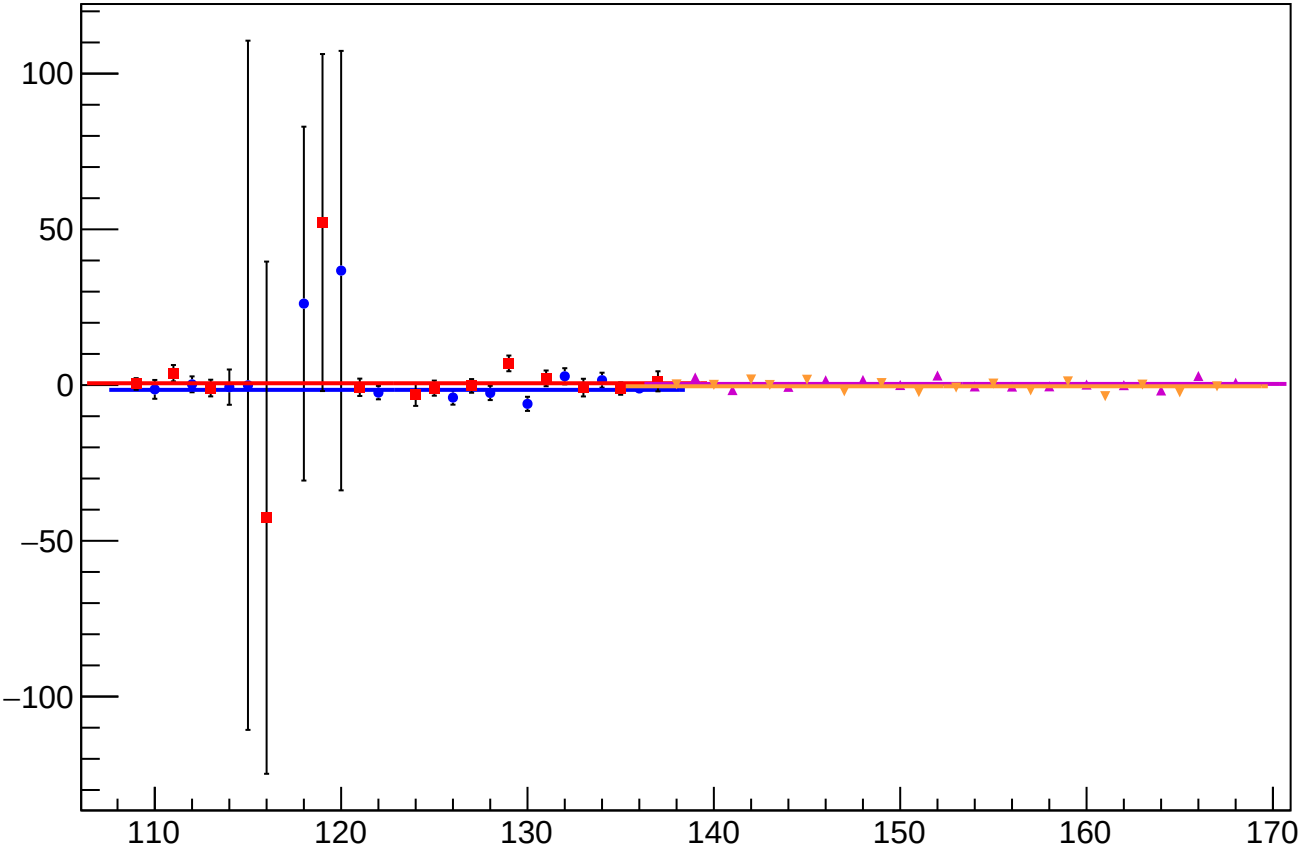
Left In: 4240.571+/-0.863 χ^2/NDF:492137.4/14

+ sign 3855.748+/-0.624 χ^2/NDF: 1185331.7/31

All: 3882.533+/-0.443 χ^2/NDF: 2274475.8/65

- sign 3909.865+/-0.630 χ^2/NDF: 1085418.5/33

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.385+/-0.288 χ^2/NDF:26.1/15

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

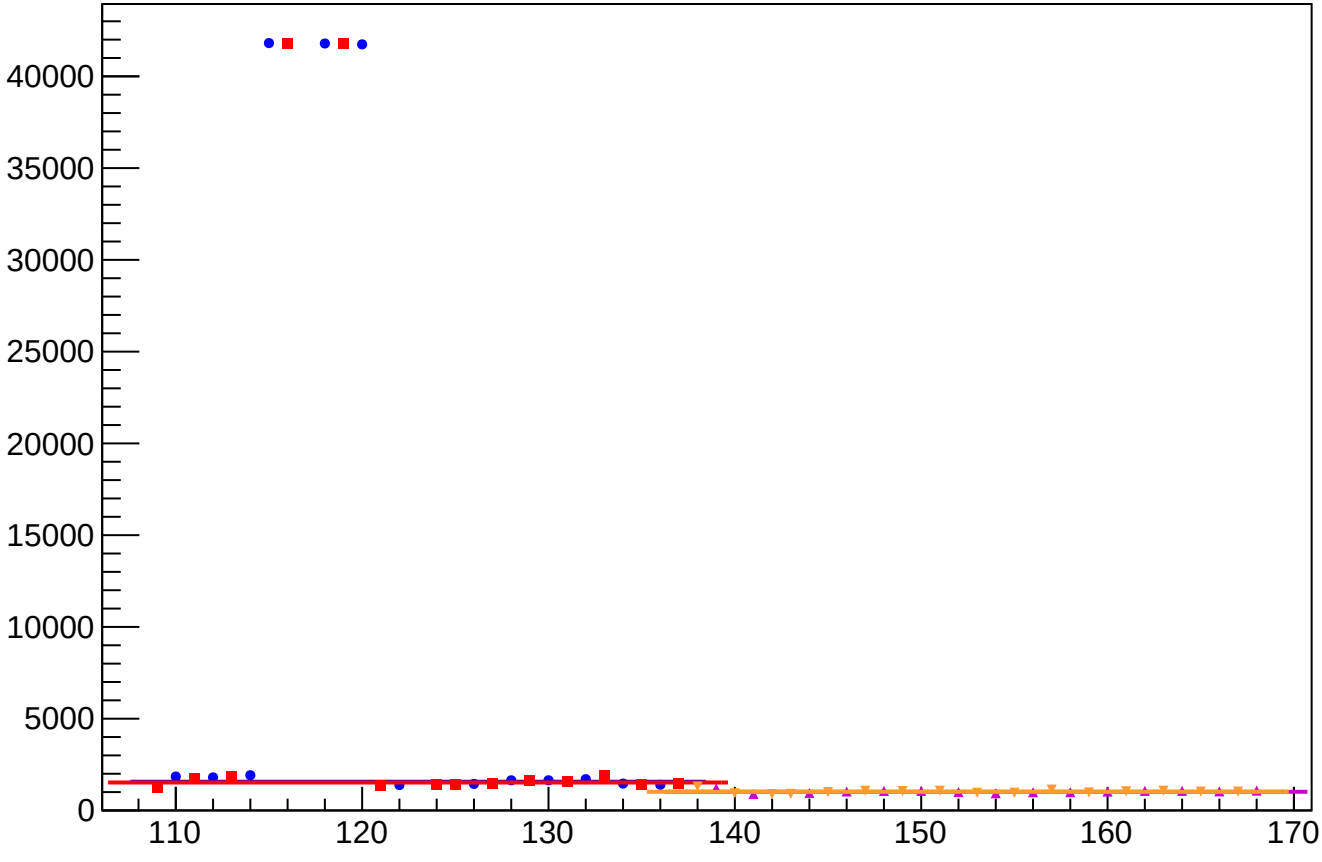
Left In: 0.371+/-0.290 χ^2/NDF:24.0/14

+ sign -0.538+/-0.268 χ^2/NDF: 39.3/28

All: -0.071+/-0.190 χ^2/NDF: 82.2/57

- sign 0.402+/-0.269 χ^2/NDF: 36.7/28

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1016.242+/-0.203 χ^2/NDF:177469.1/15

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

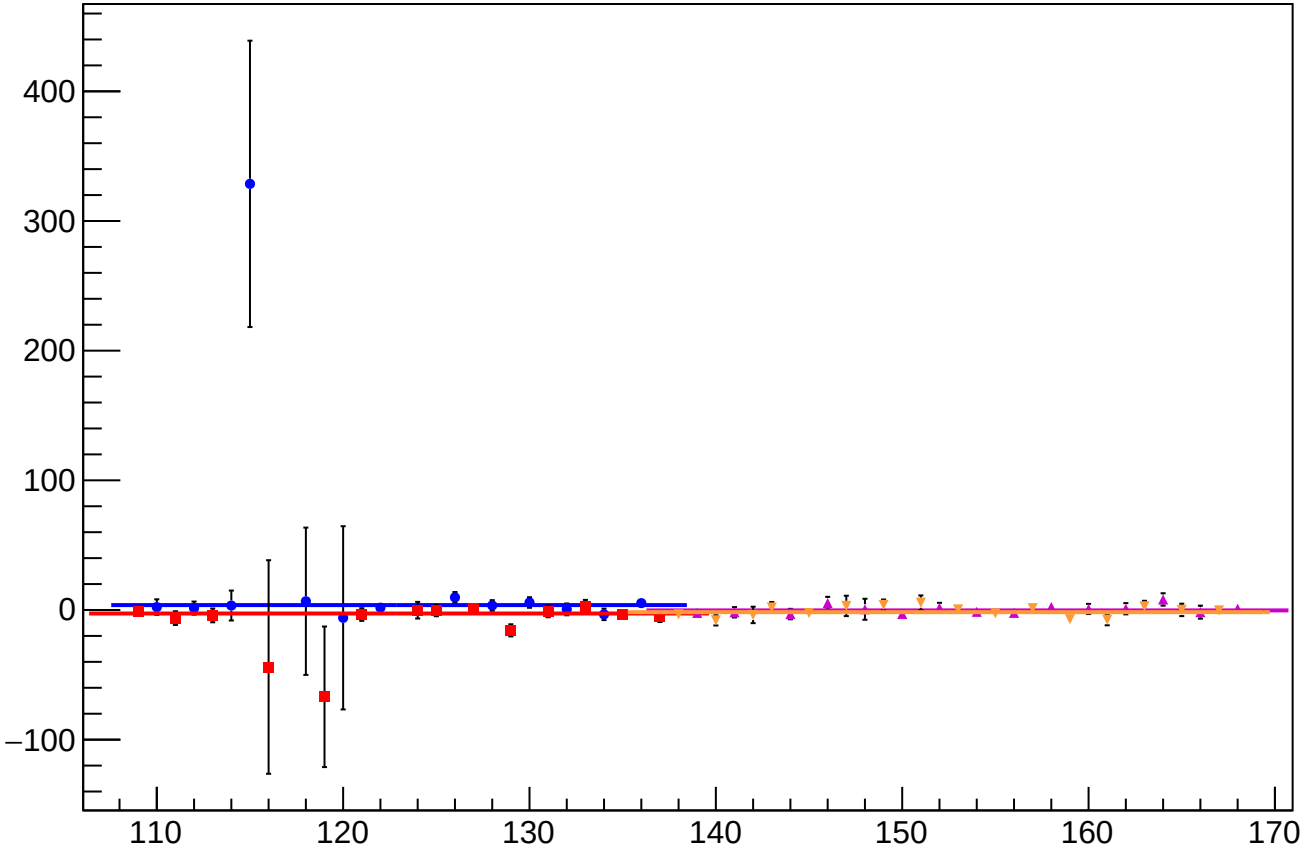
Left In: 1018.414+/-0.205 χ^2/NDF:121969.9/14

+ sign 1089.405+/-0.189 χ^2/NDF: 3164070.1/28

All: 1089.506+/-0.134 χ^2/NDF: 5878707.6/57

- sign 1089.607+/-0.190 χ^2/NDF: 2714636.9/28

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.683+/-0.963 χ^2/NDF:14.2/15

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

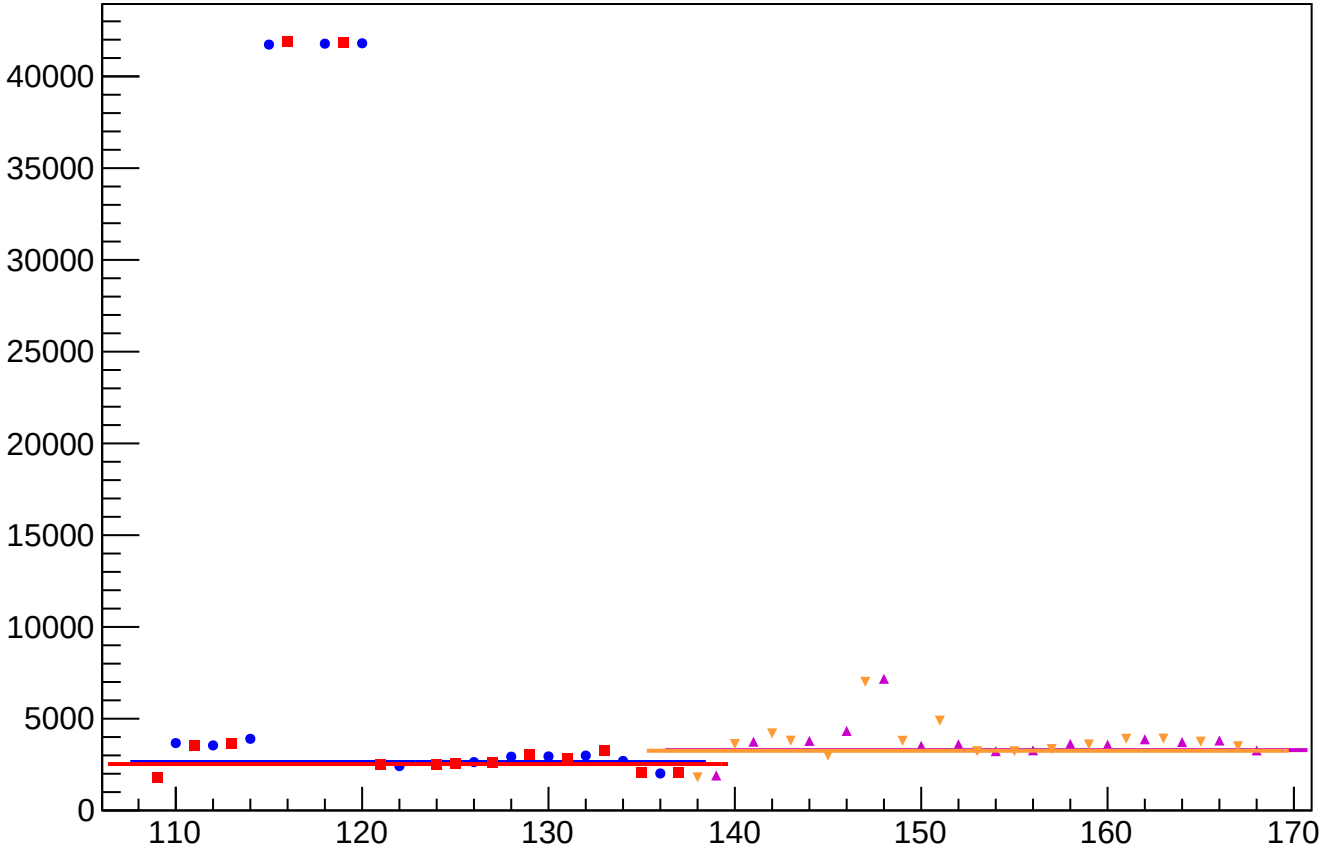
Left In: -0.313+/-0.975 χ^2/NDF:8.0/14

+ sign 0.353+/-0.762 χ^2/NDF: 41.3/28

All: -0.454+/-0.538 χ^2/NDF: 67.5/57

- sign -1.256+/-0.760 χ^2/NDF: 24.0/28

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3253.678+/-0.681 χ^2/NDF:1866727.6/15

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

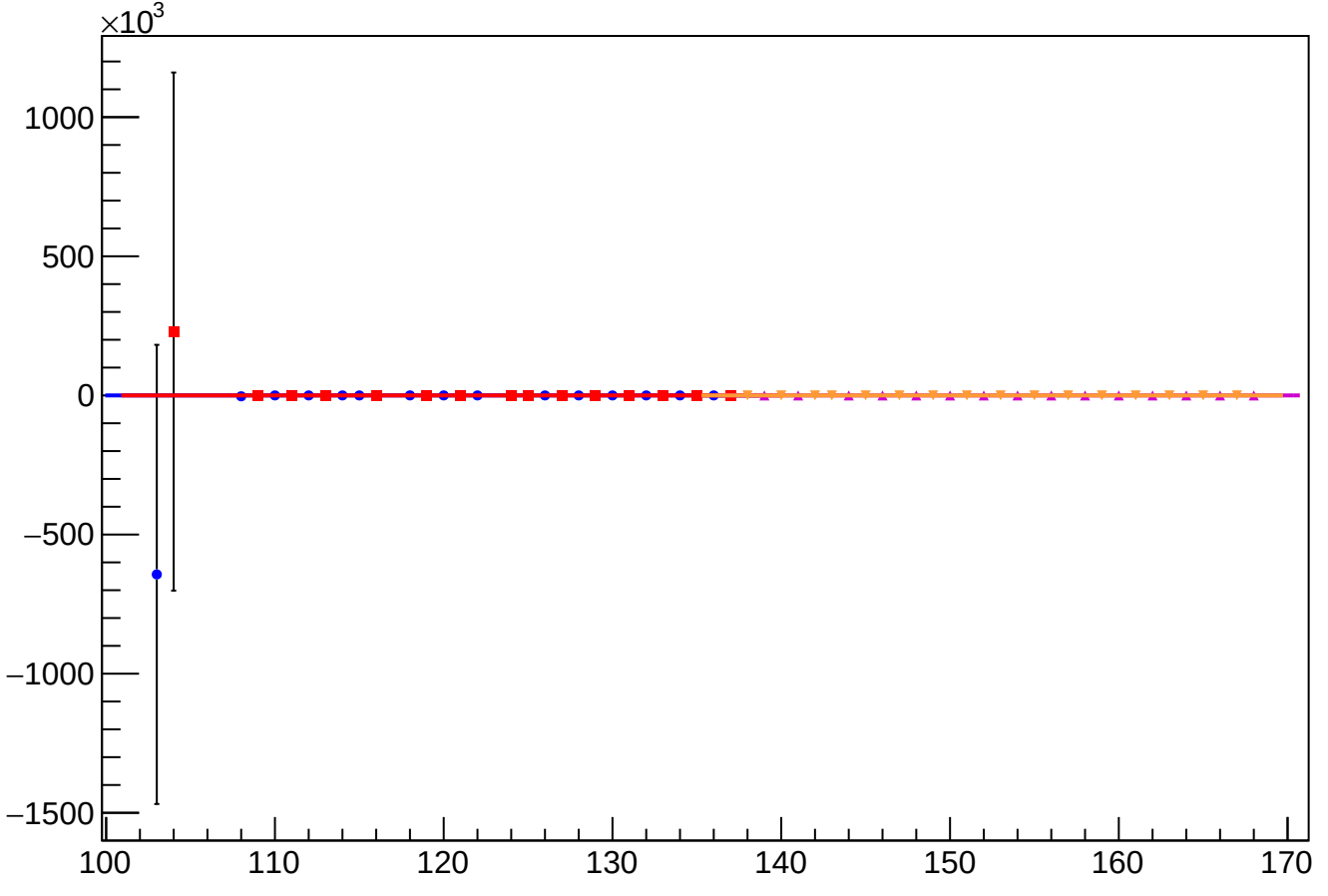
Left In: 3288.135+/-0.690 χ^2/NDF:1590163.7/14

+ sign 3024.755+/-0.539 χ^2/NDF: 4343232.9/28

All: 3007.019+/-0.381 χ^2/NDF: 8362168.8/57

- sign 2989.412+/-0.537 χ^2/NDF: 4016778.9/28

diff_bpm1p03aX_mean vs Slug



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -2.302+/-0.448 χ^2/NDF:28.3/15

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

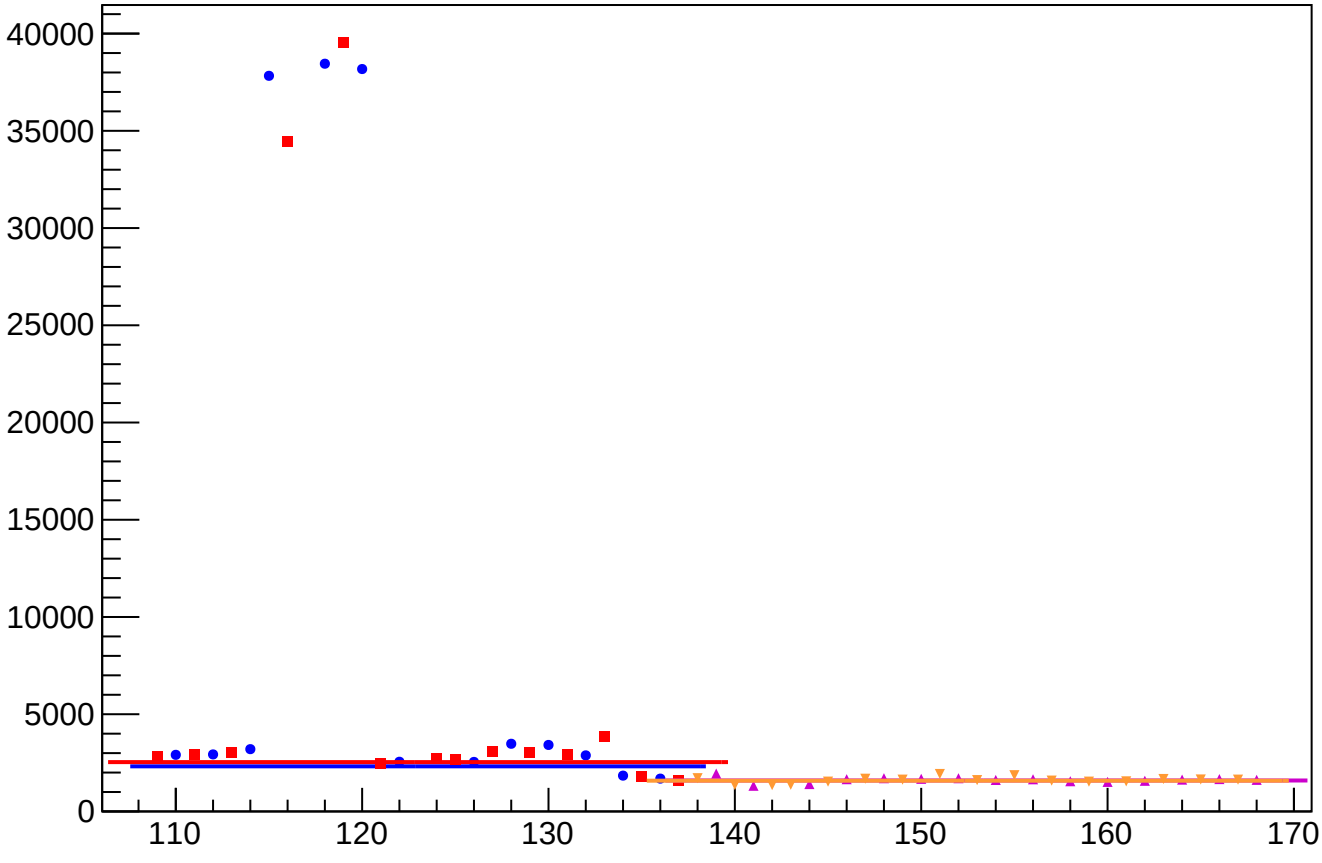
Left In: 0.187+/-0.455 χ^2/NDF:17.1/14

+ sign -2.153+/-0.416 χ^2/NDF: 47.9/30

All: -1.182+/-0.298 χ^2/NDF: 95.5/60

- sign -0.166+/-0.426 χ^2/NDF: 36.5/29

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1581.999+/-0.317 χ^2/NDF:227367.9/15

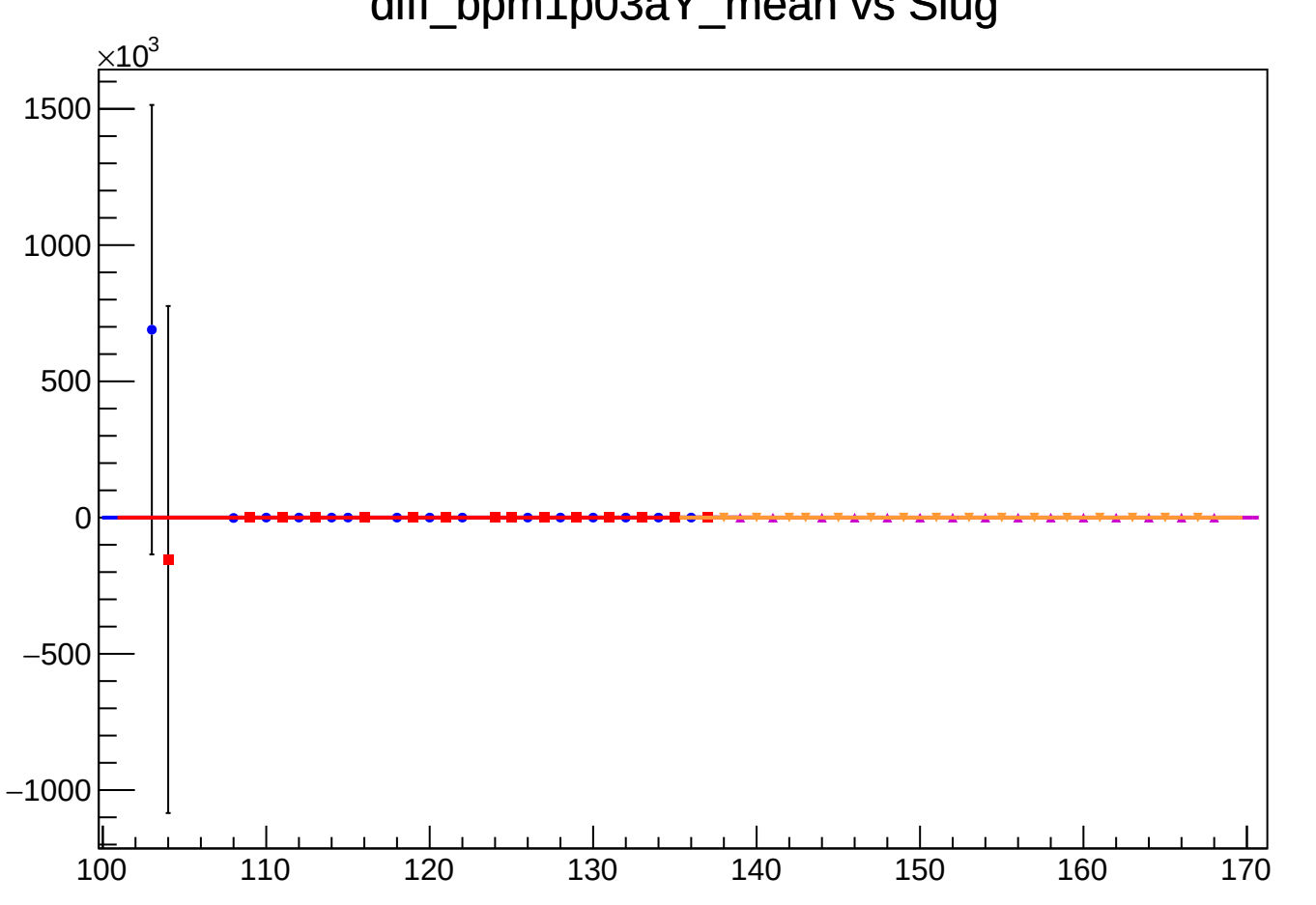
Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1592.310+/-0.322 χ^2/NDF:195114.3/14

+ sign 1683.123+/-0.294 χ^2/NDF: 3432161.9/28

All: 1695.857+/-0.211 χ^2/NDF: 6737035.2/57

- sign 1709.174+/-0.301 χ^2/NDF: 3301046.9/28



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.777+/-0.620 χ^2/NDF:17.8/15

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

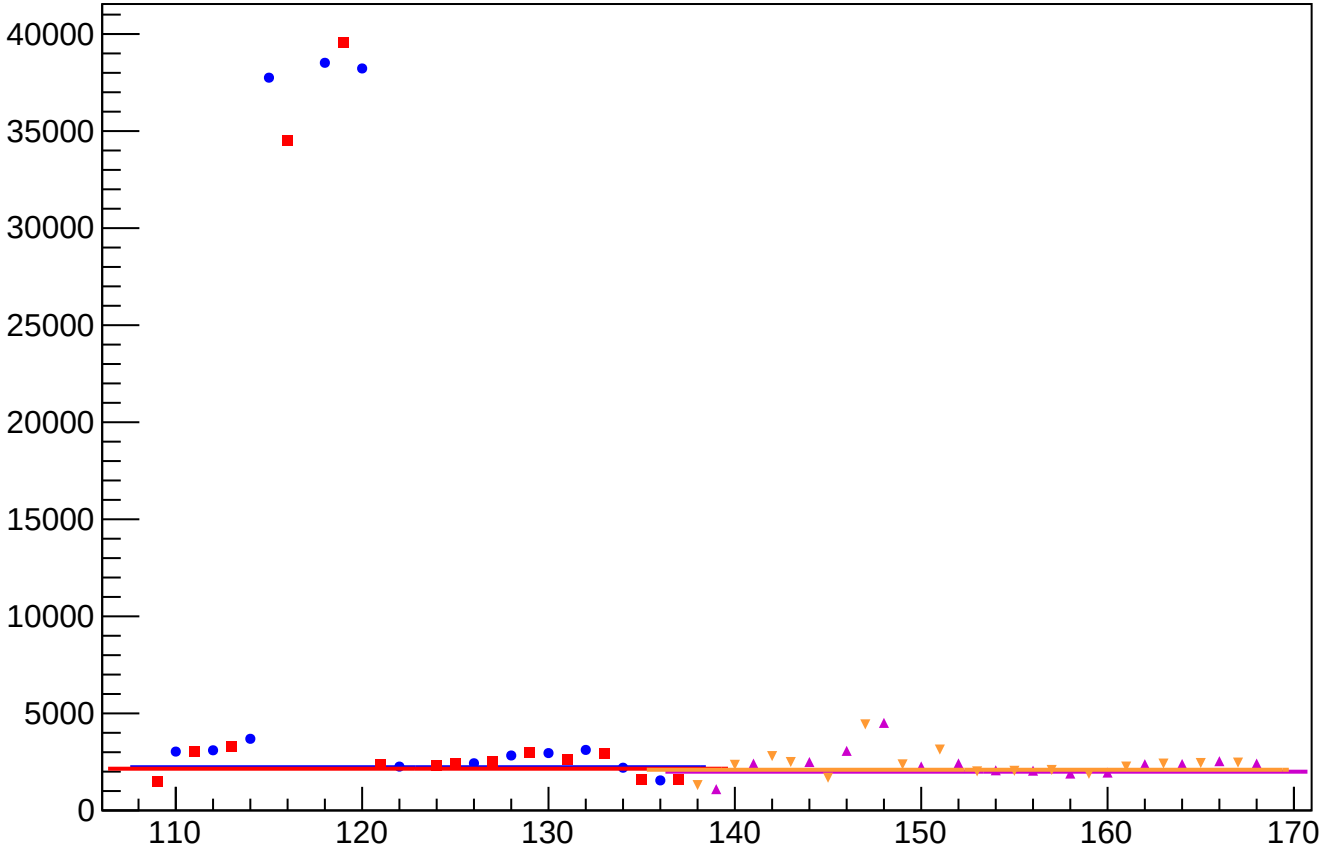
Left In: 0.192+/-0.601 χ^2/NDF:9.4/14

+ sign -0.158+/-0.537 χ^2/NDF: 26.8/30

All: -0.242+/-0.374 χ^2/NDF: 54.5/60

- sign -0.321+/-0.522 χ^2/NDF: 27.6/29

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2096.741+/-0.438 χ^2/NDF:1440310.0/15

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

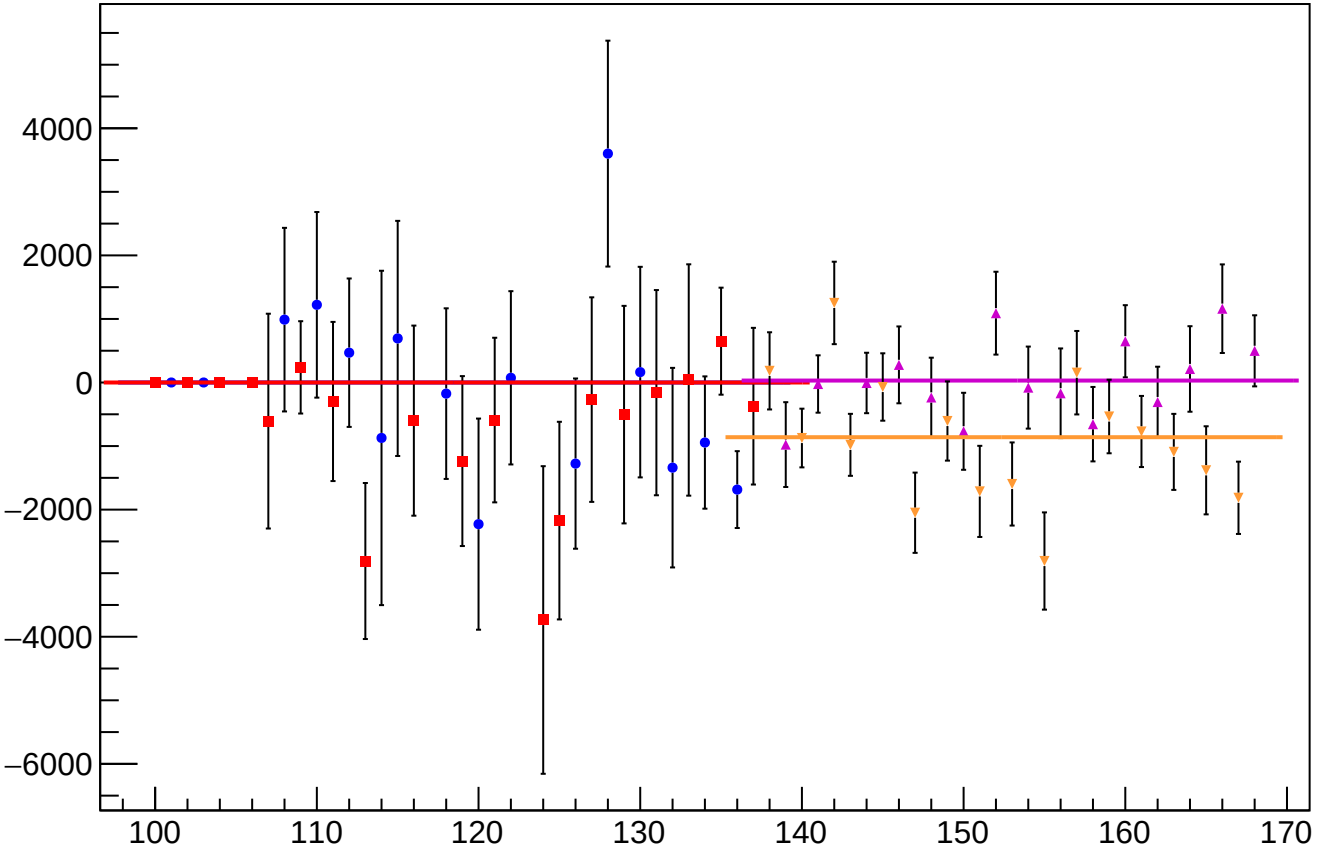
Left In: 1997.035+/-0.425 χ^2/NDF:2209549.5/14

+ sign 2129.148+/-0.380 χ^2/NDF: 3984577.1/28

All: 2080.655+/-0.265 χ^2/NDF: 8489400.0/57

- sign 2034.883+/-0.369 χ^2/NDF: 4473119.1/28

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -860.551+/-148.932 χ^2/NDF:35.0/15

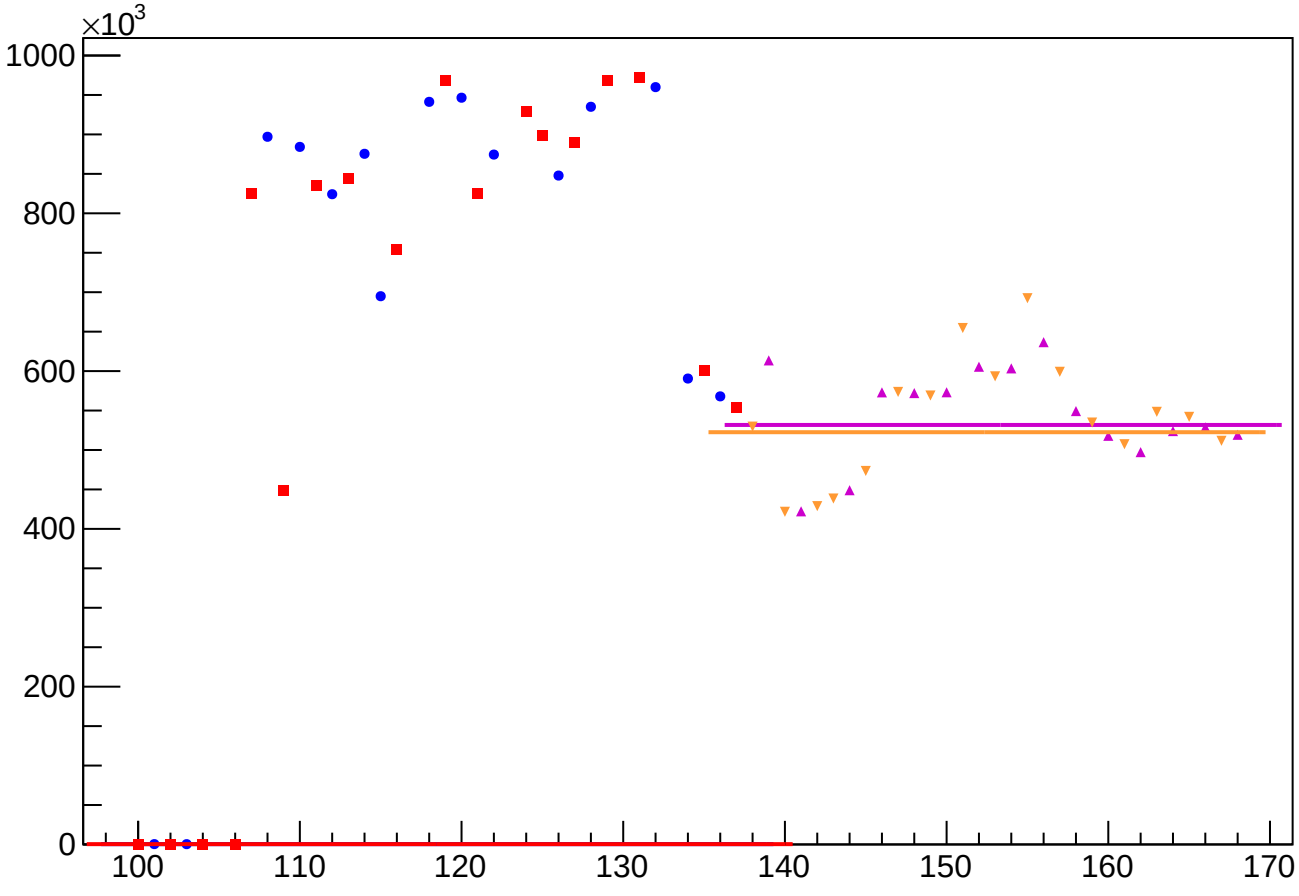
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 30.697+/-152.345 χ^2/NDF:13.5/14

+ sign 0.250+/-0.356 χ^2/NDF: 86.1/31

All: 0.167+/-0.241 χ^2/NDF: 115.2/65

- sign 0.096+/-0.328 χ^2/NDF: 28.9/33



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 522545.124+/-105.311 χ^2/NDF:463820.9/15

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

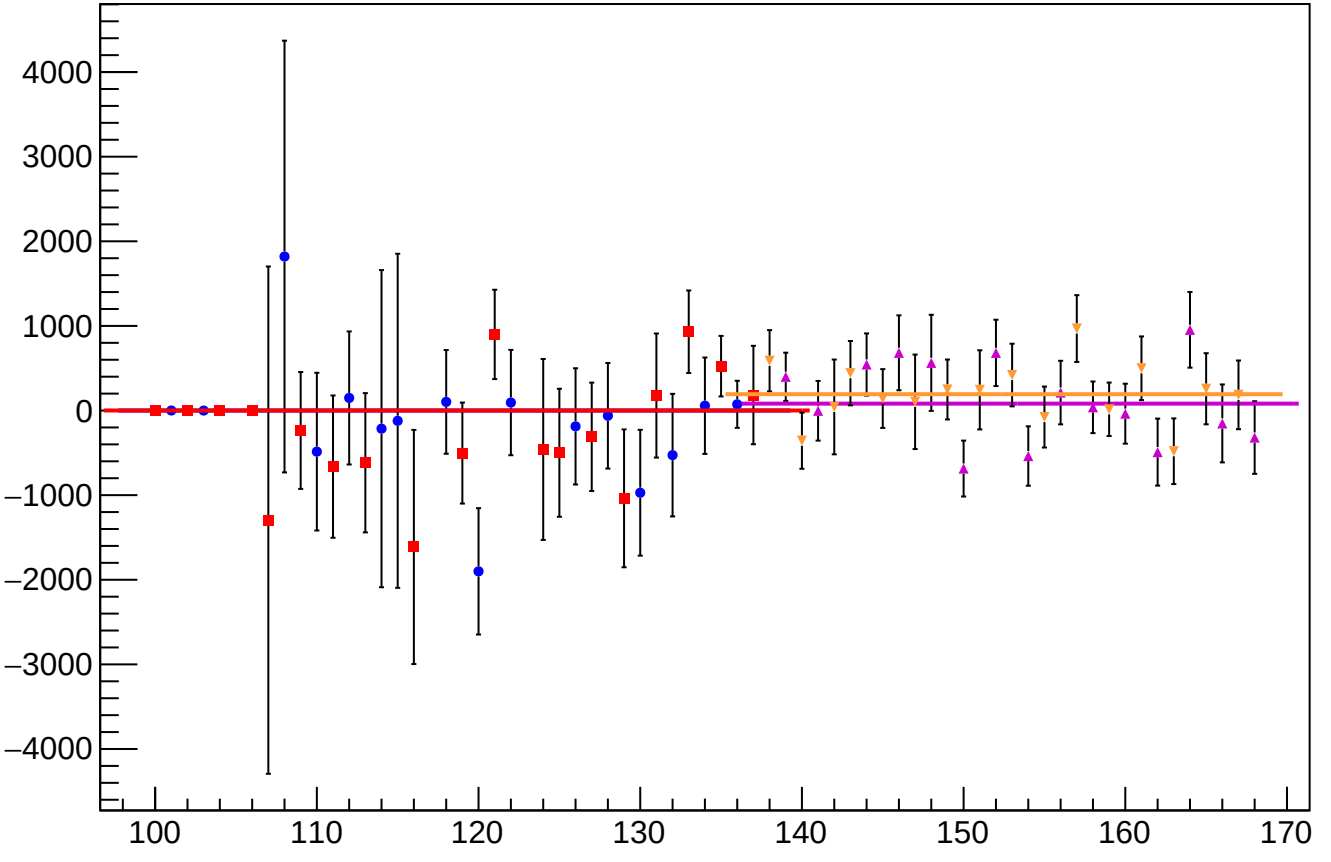
Left In: 531737.114+/-107.724 χ^2/NDF:341965.9/14

+ sign 401.859+/-0.251 χ^2/NDF: 33538654.8/30

All: 398.528+/-0.170 χ^2/NDF: 65858538.7/63

- sign 395.700+/-0.232 χ^2/NDF: 32319559.5/32

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 192.942+/-96.343 χ^2/NDF:13.3/15

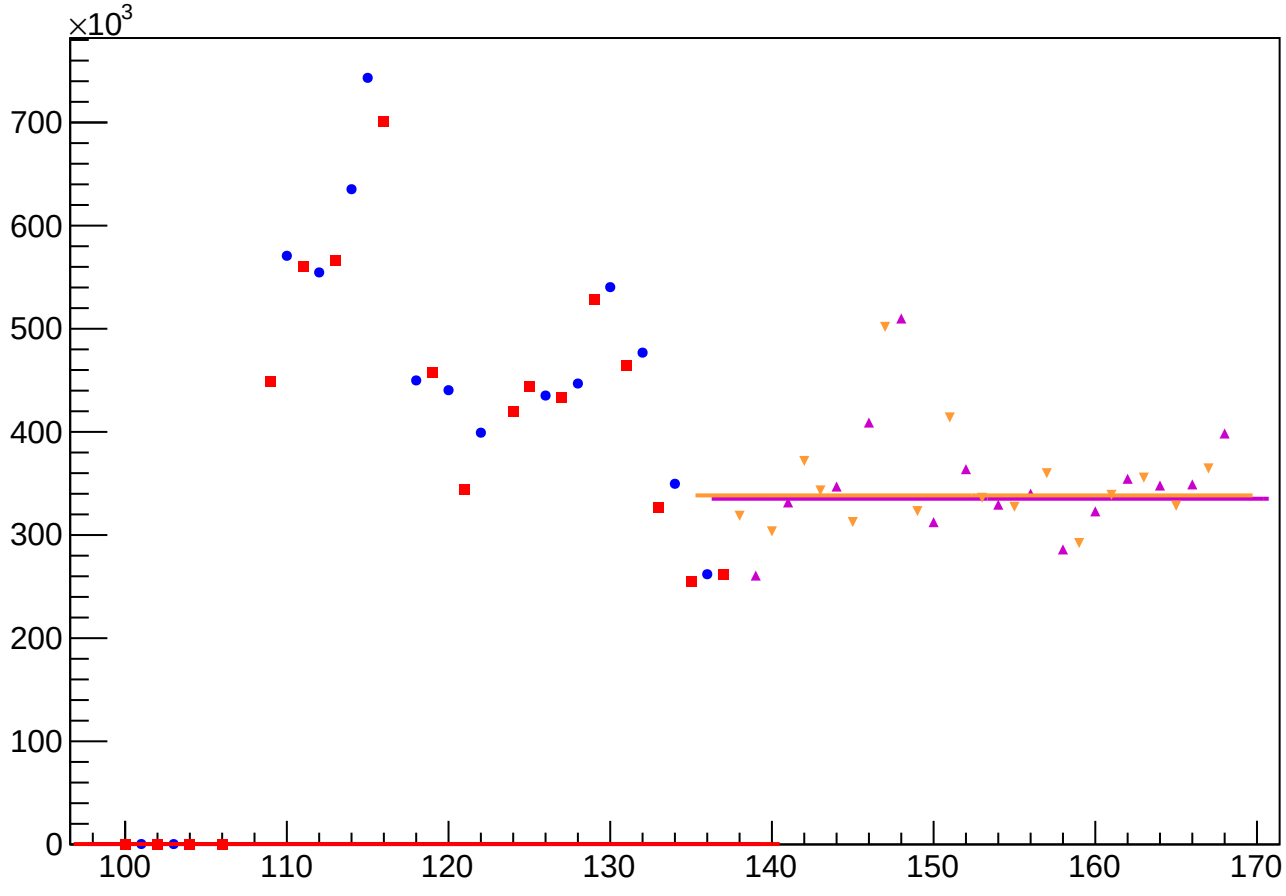
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 81.537+/-96.640 χ^2/NDF:23.6/14

+ sign -0.018+/-0.347 χ^2/NDF: 27.8/31

All: 0.312+/-0.237 χ^2/NDF: 68.8/65

- sign 0.600+/-0.324 χ^2/NDF: 39.3/33



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 338422.382+/-68.125 χ^2/NDF:337860.8/15

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

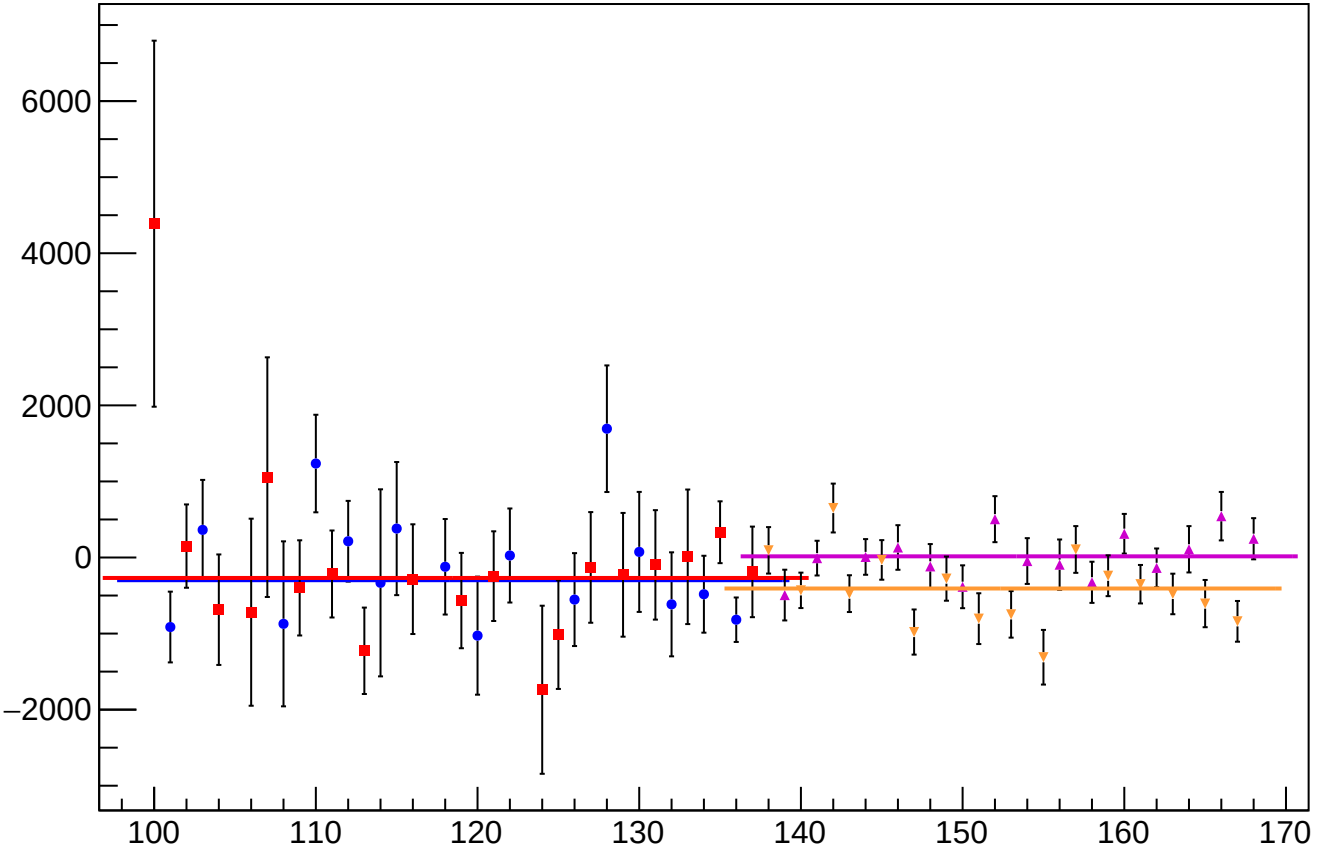
Left In: 335191.068+/-68.340 χ^2/NDF:510931.7/14

+ sign 394.664+/-0.245 χ^2/NDF: 36090816.2/30

All: 393.102+/-0.167 χ^2/NDF: 71677098.6/63

- sign 391.742+/-0.229 χ^2/NDF: 35586206.6/32

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -407.531+/-70.737 χ^2/NDF:34.9/15

Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

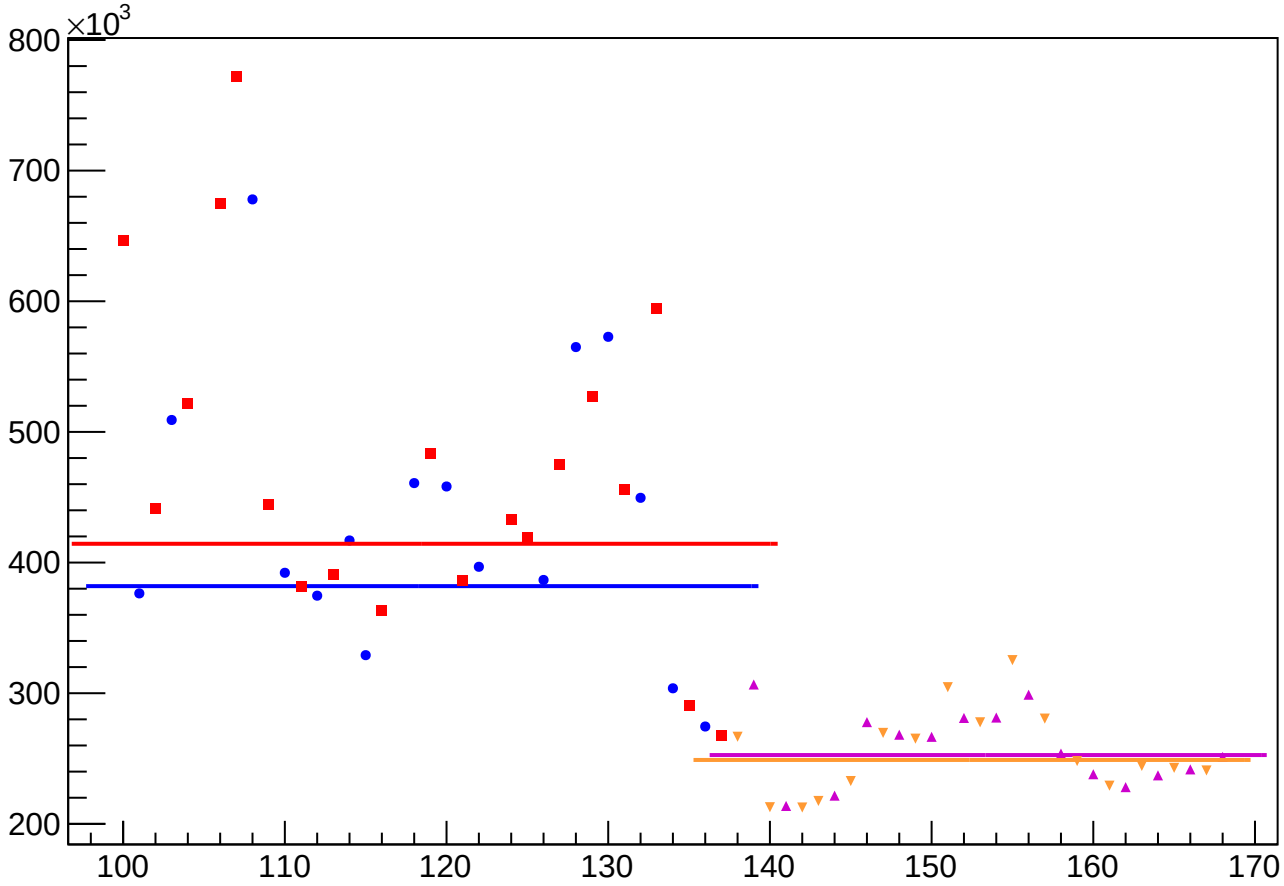
Left In: 15.346+/-72.275 χ^2/NDF:14.3/14

+ sign -387.069+/-63.771 χ^2/NDF: 56.5/31

All: -215.865+/-45.733 χ^2/NDF: 102.3/65

- sign -34.576+/-65.622 χ^2/NDF: 30.9/33

diff_cav4cX_rms vs Slug



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 248921.238+/-50.018 χ^2/NDF:338462.9/15

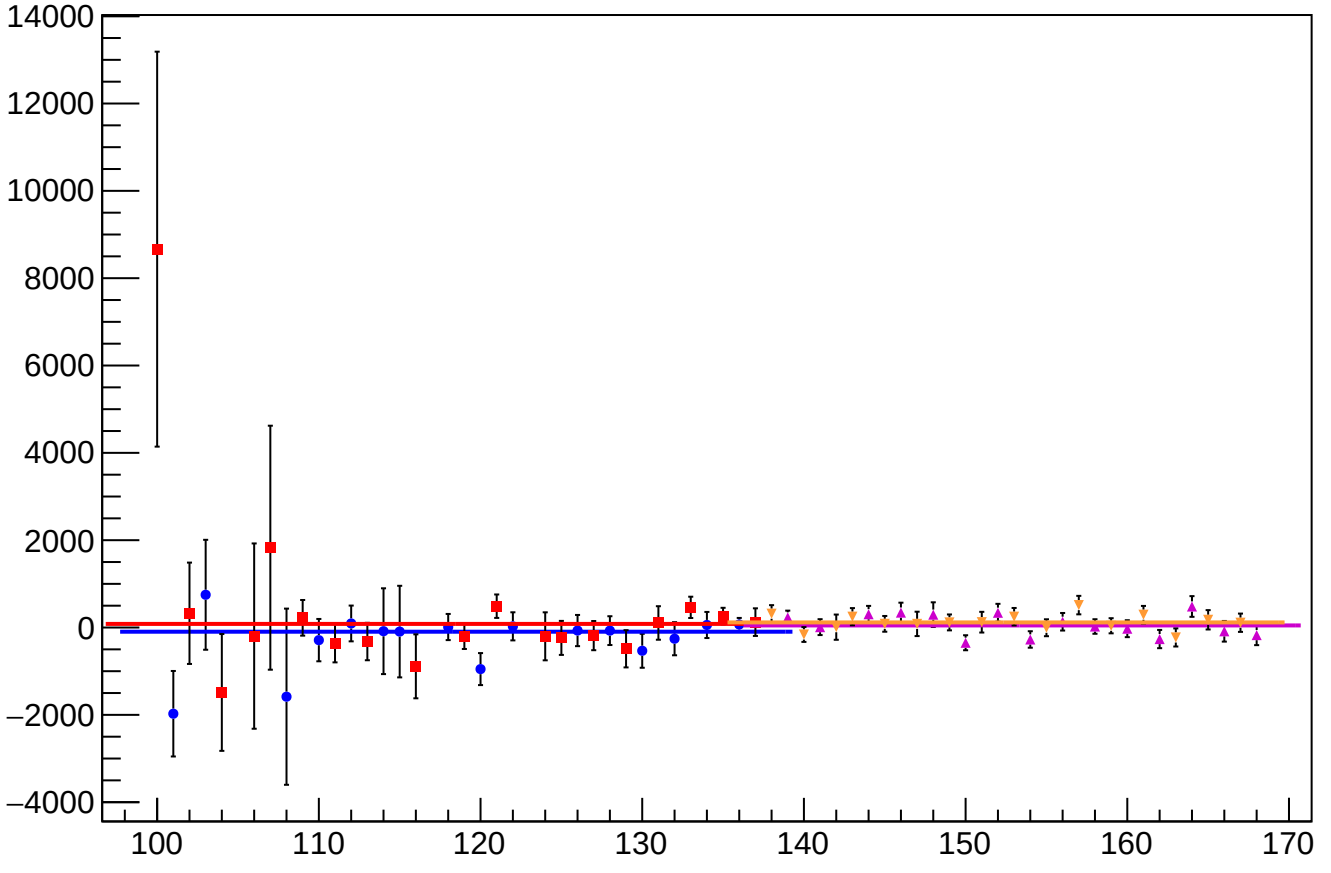
Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 252678.015+/-51.106 χ^2/NDF:278490.2/14

+ sign 273826.632+/-45.094 χ^2/NDF: 2499286.4/31

All: 277342.937+/-32.339 χ^2/NDF: 5307911.

- sign 281066.427+/-46.404 χ^2/NDF: 2796106.5/33



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 116.904+/-50.733 χ^2/NDF:12.5/15

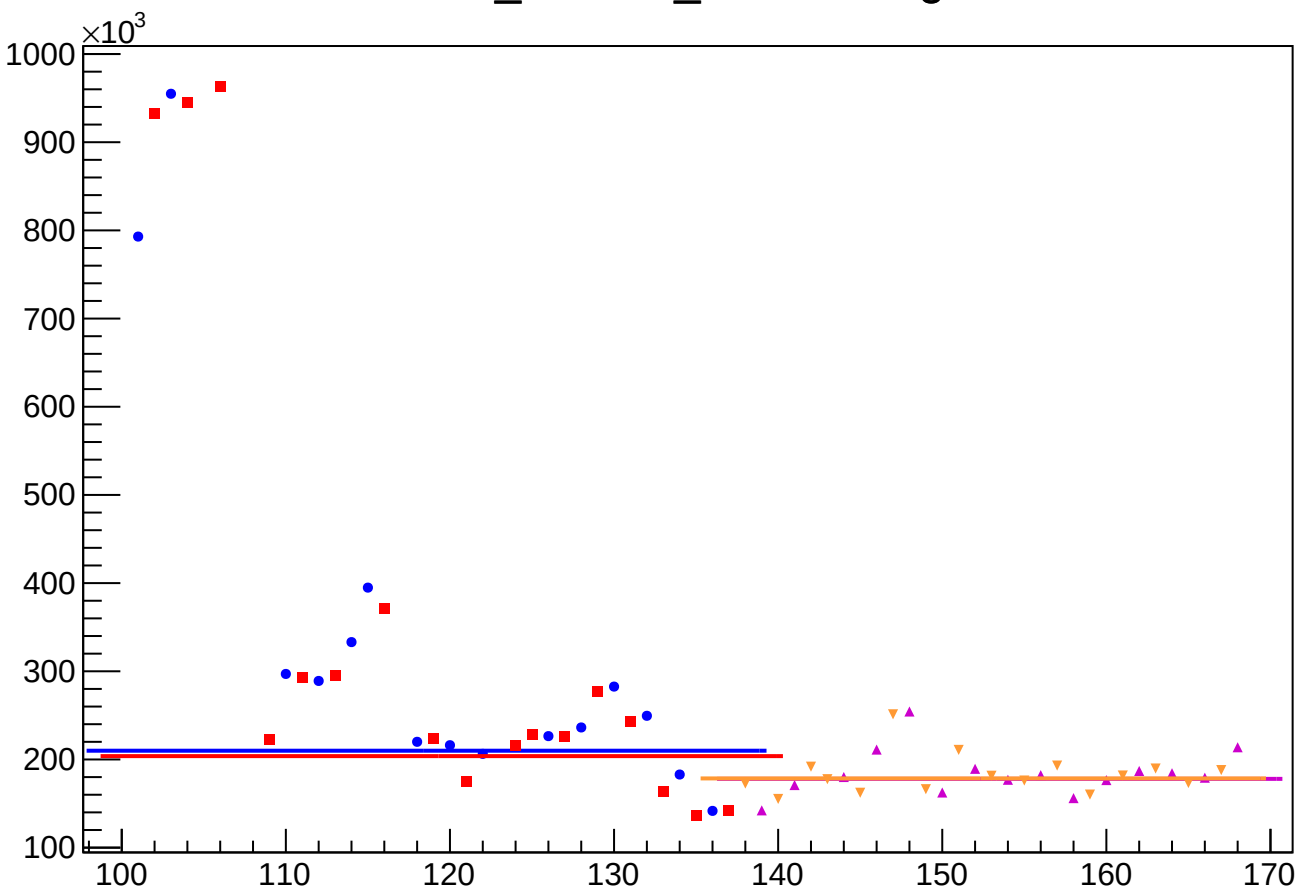
Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: 47.895+/-51.174 χ^2/NDF:23.1/14

+ sign 64.072+/-43.985 χ^2/NDF: 30.5/31

All: 60.453+/-31.160 χ^2/NDF: 72.9/65

- sign 56.806+/-44.150 χ^2/NDF: 42.3/33



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 178499.953+/-35.874 χ^2/NDF:286149.2/15

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

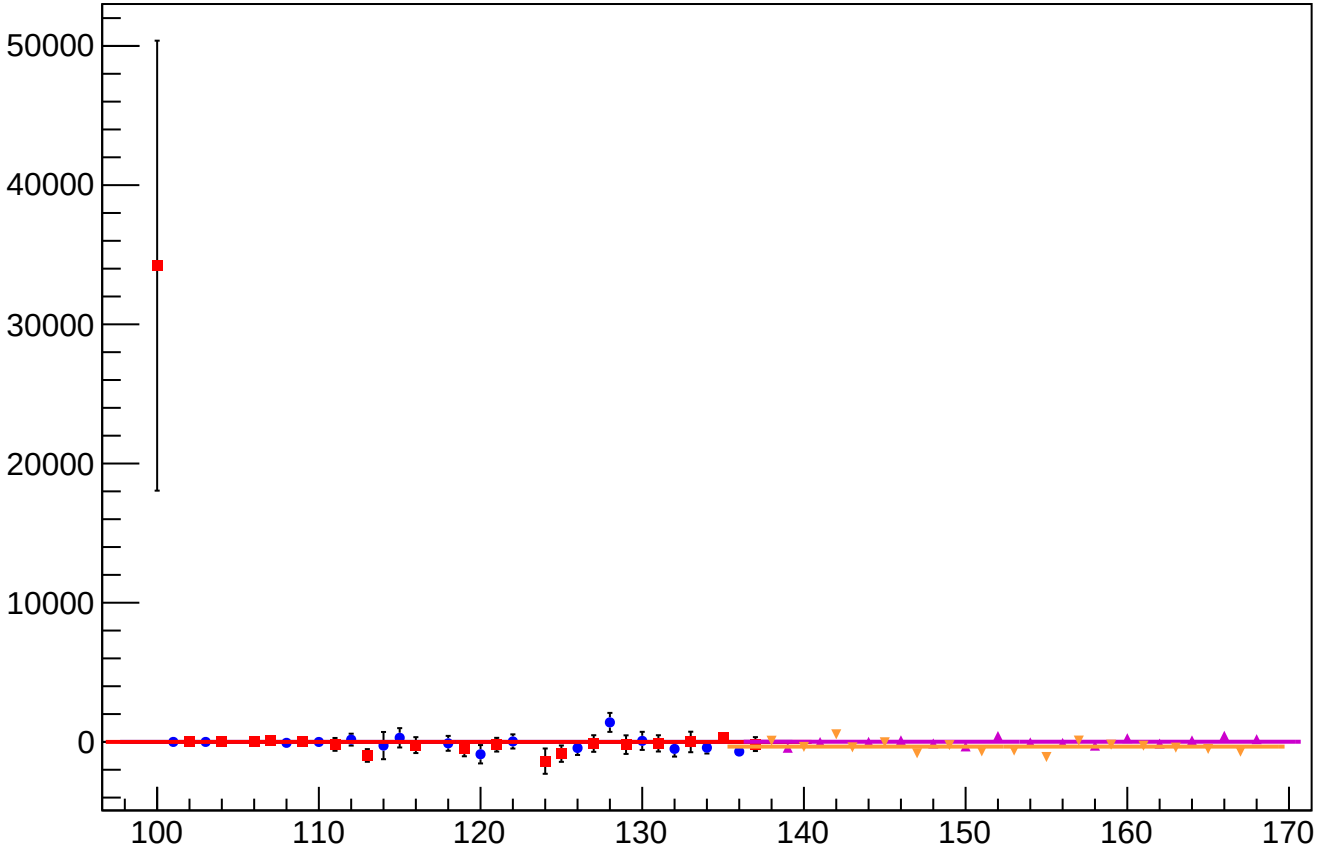
Left In: 177999.753+/-36.185 χ^2/NDF:408995.7/14

+ sign 186284.143+/-31.116 χ^2/NDF: 2436153.5/30

All: 185430.462+/-22.045 χ^2/NDF: 5046568.

- sign 184570.028+/-31.238 χ^2/NDF: 2608904.0/31

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -337.280+/-59.265 χ^2/NDF:35.1/15

Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

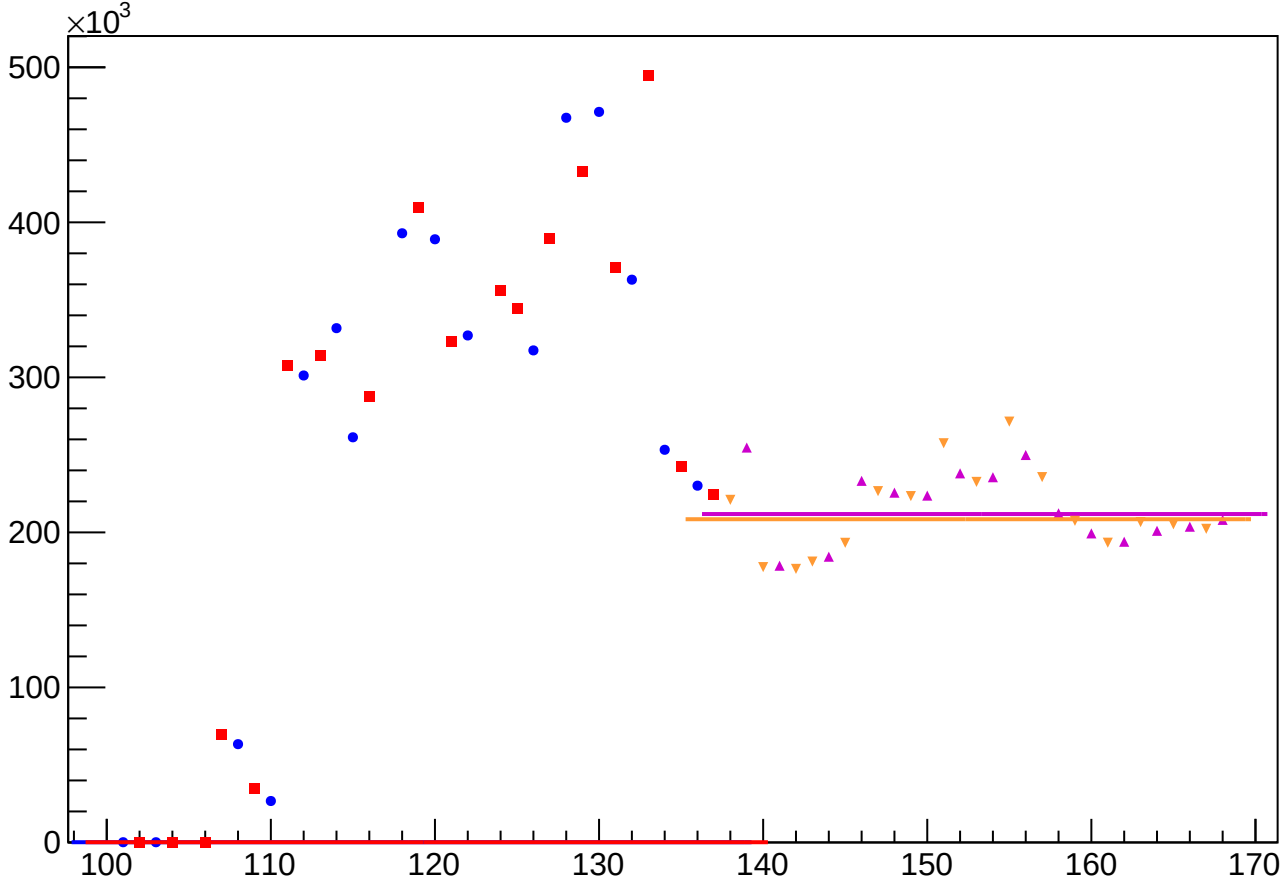
Left In: 12.329+/-60.596 χ^2/NDF:14.1/14

+ sign -0.038+/-0.172 χ^2/NDF: 85.6/31

All: -0.208+/-0.117 χ^2/NDF: 118.0/65

- sign -0.355+/-0.160 χ^2/NDF: 30.6/33

diff_cav4dX_rms vs Slug



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 208494.547+/-41.907 χ^2/NDF:349361.2/15

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

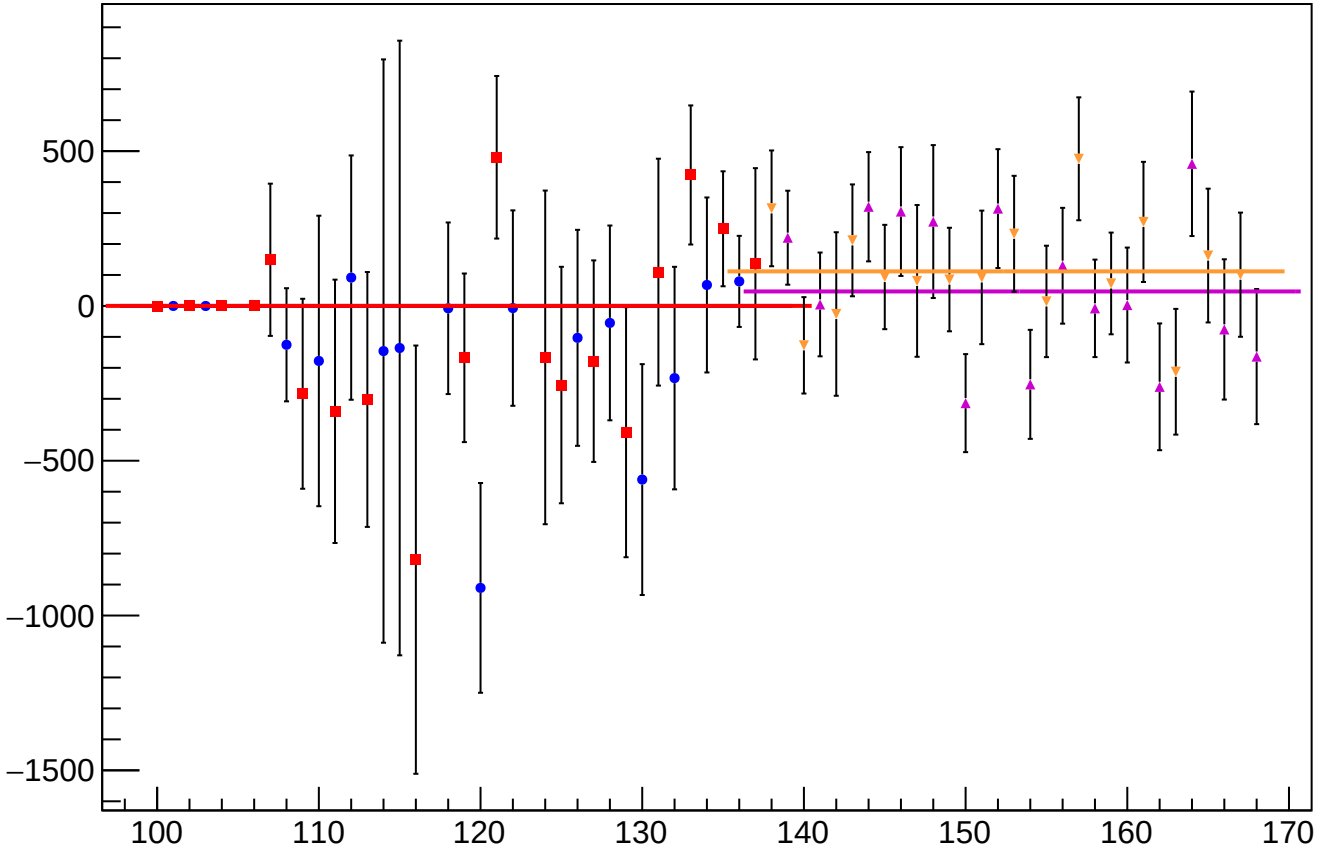
Left In: 211846.429+/-42.848 χ^2/NDF:278089.9/14

+ sign 150.852+/-0.122 χ^2/NDF: 36368258.1/31

All: 150.855+/-0.083 χ^2/NDF: 72345240.1/64

- sign 150.857+/-0.113 χ^2/NDF: 35976982.1/32

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 111.624+/-47.514 χ^2/NDF:11.6/15

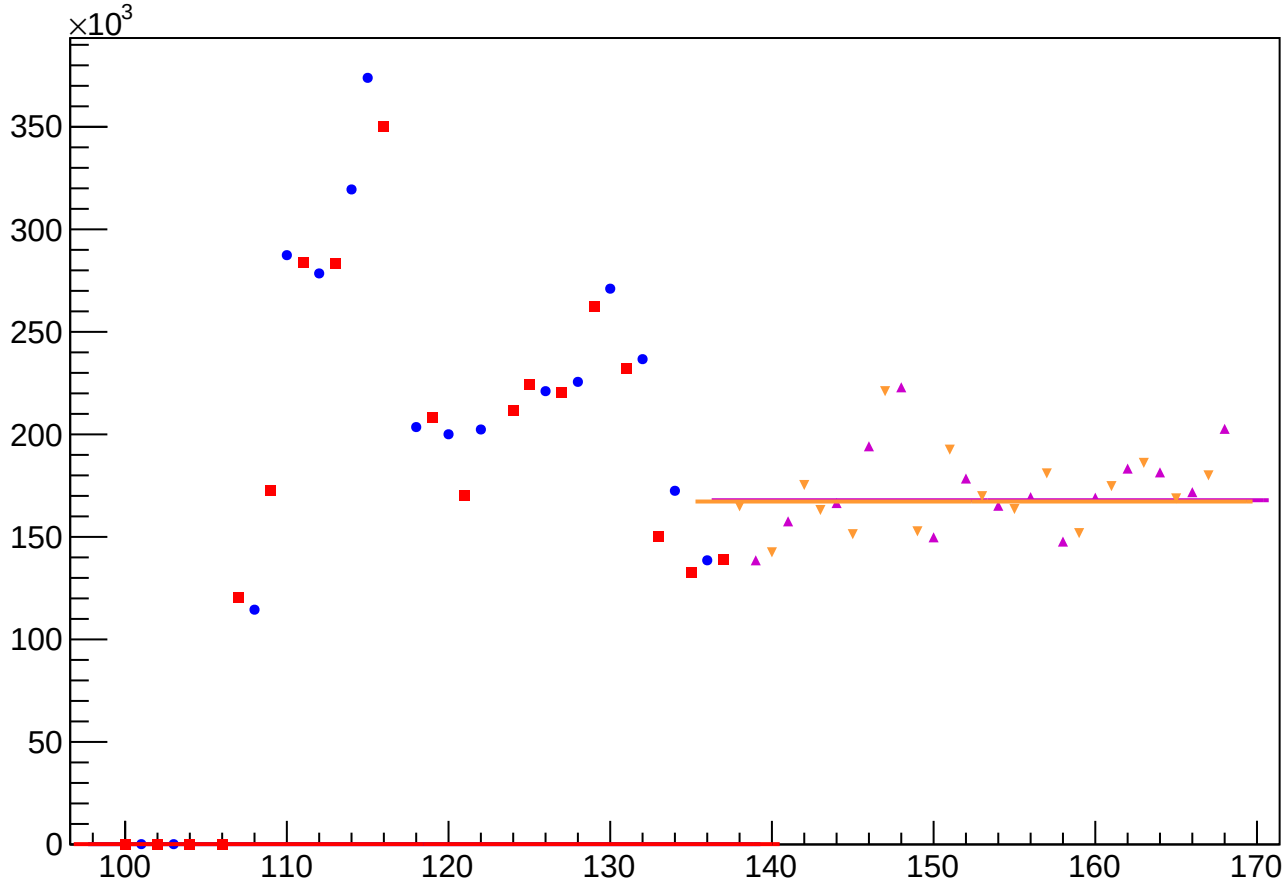
Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 46.747+/-48.192 χ^2/NDF:23.2/14

+ sign -0.067+/-0.177 χ^2/NDF: 28.3/31

All: 0.036+/-0.121 χ^2/NDF: 68.3/65

- sign 0.127+/-0.166 χ^2/NDF: 39.3/33



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 167257.954+/-33.598 χ^2/NDF:267594.2/15

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

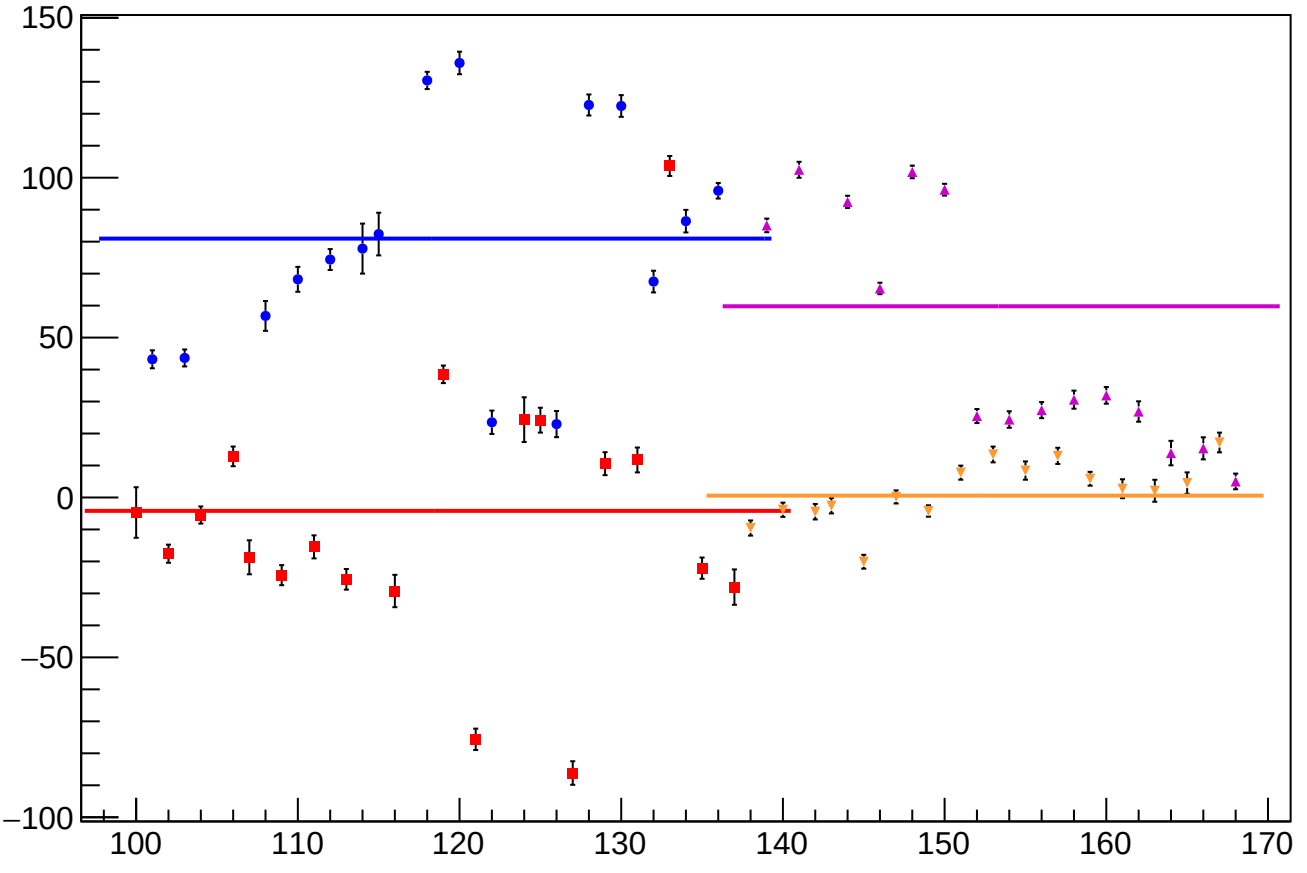
Left In: 167890.339+/-34.077 χ^2/NDF:349000.5/14

+ sign 155.785+/-0.125 χ^2/NDF: 36909821.8/31

All: 157.046+/-0.086 χ^2/NDF: 72817454.8/65

- sign 158.159+/-0.118 χ^2/NDF: 35907442.2/33

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 0.581+/-0.604 χ^2/NDF:232.8/15

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

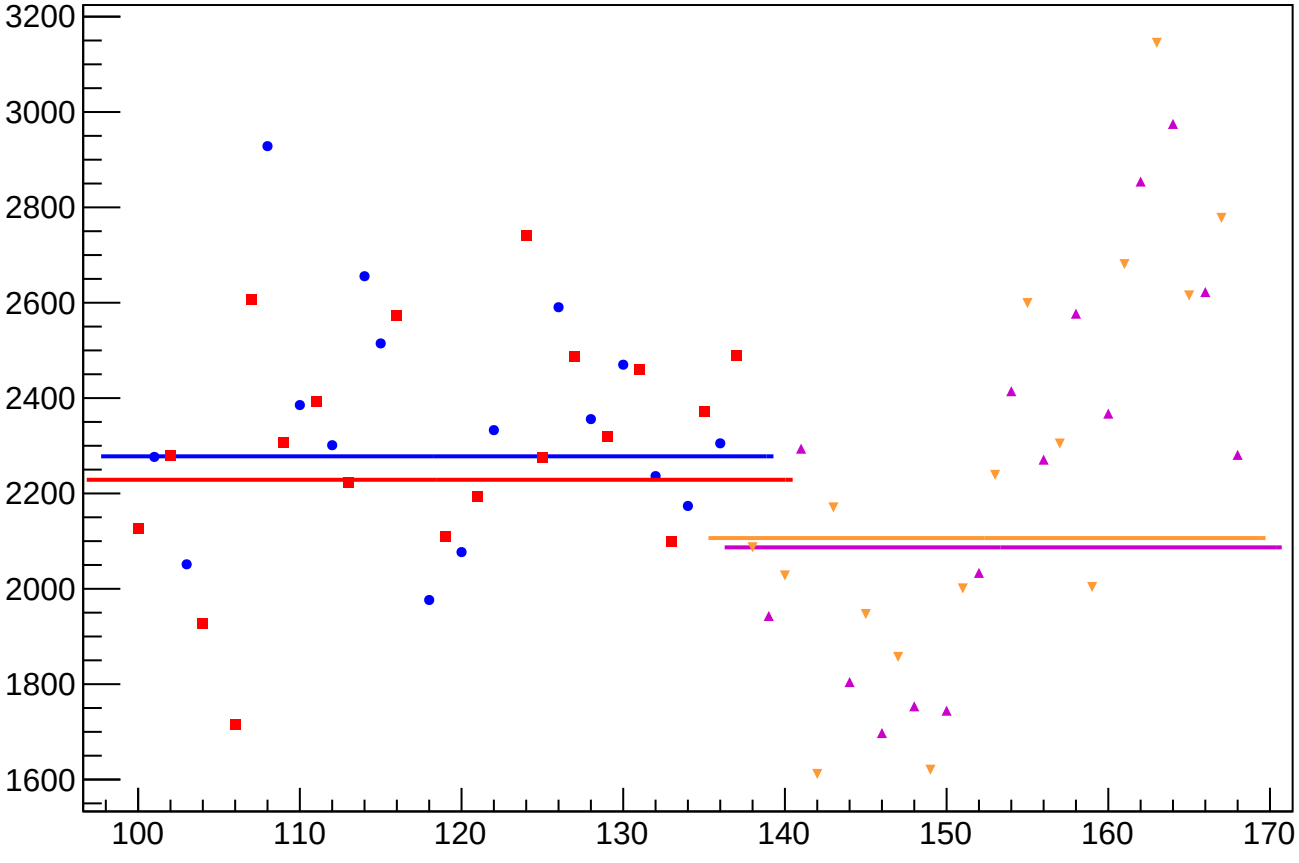
Left In: 59.791+/-0.606 χ^2/NDF:3310.1/14

\+ sign 27.469+/-0.492 χ^2/NDF: 7976.5/31

All: 32.374+/-0.346 χ^2/NDF: 18137.4/65

\- sign 37.182+/-0.488 χ^2/NDF: 9964.4/33

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2106.445+/-0.427 χ^2/NDF:762131.6/15

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

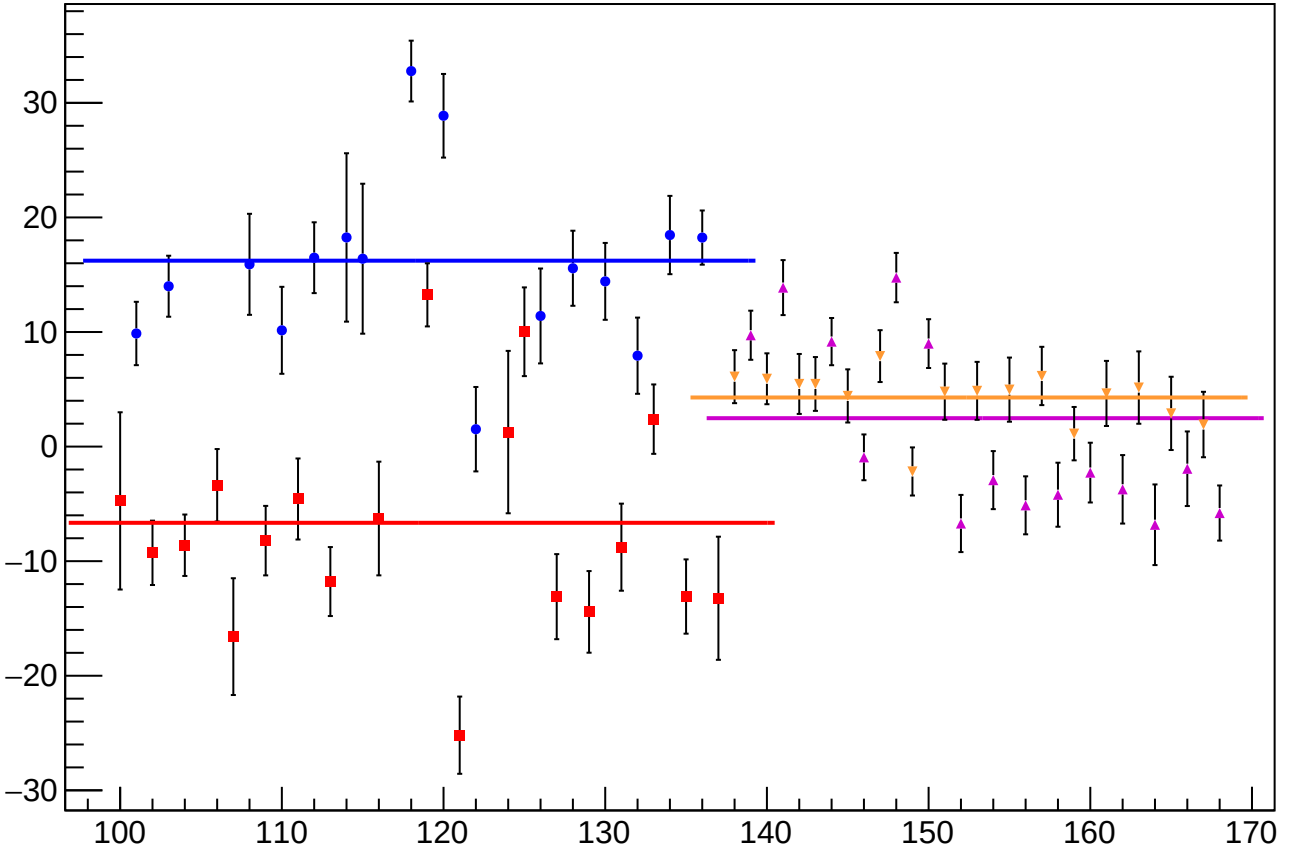
Left In: 2086.925+/-0.429 χ^2/NDF:698323.0/14

+ sign 2163.791+/-0.348 χ^2/NDF: 931850.2/31

All: 2150.273+/-0.245 χ^2/NDF: 1822934.6/65

- sign 2137.025+/-0.345 χ^2/NDF: 888100.5/33

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.285+/-0.625 χ^2/NDF:17.1/15

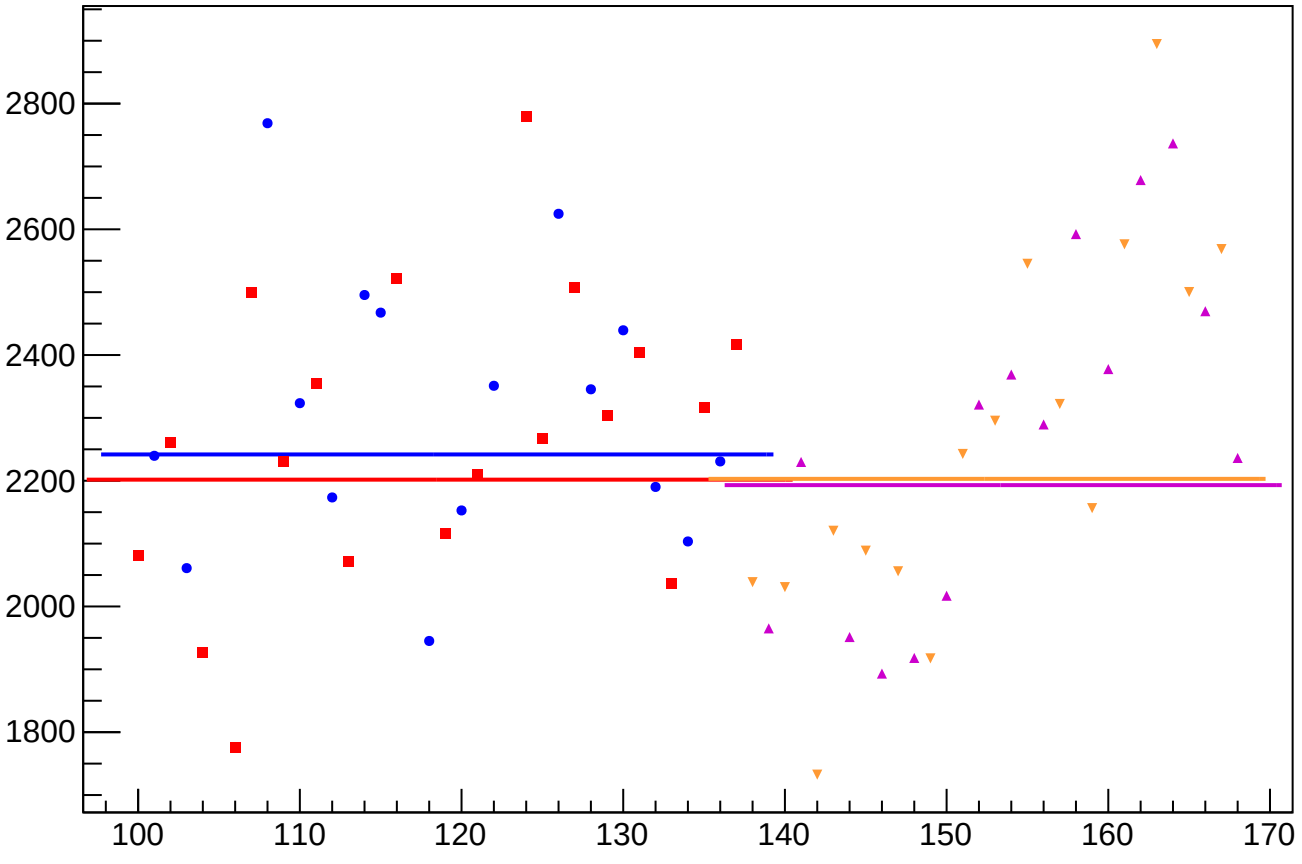
Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: 2.479+/-0.630 χ^2/NDF:150.4/14

+ sign 8.557+/-0.501 χ^2/NDF: 232.2/31

All: 3.758+/-0.353 χ^2/NDF: 778.4/65

- sign -0.965+/-0.497 χ^2/NDF: 364.2/33



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2203.016+/-0.442 χ^2/NDF:358296.6/15

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

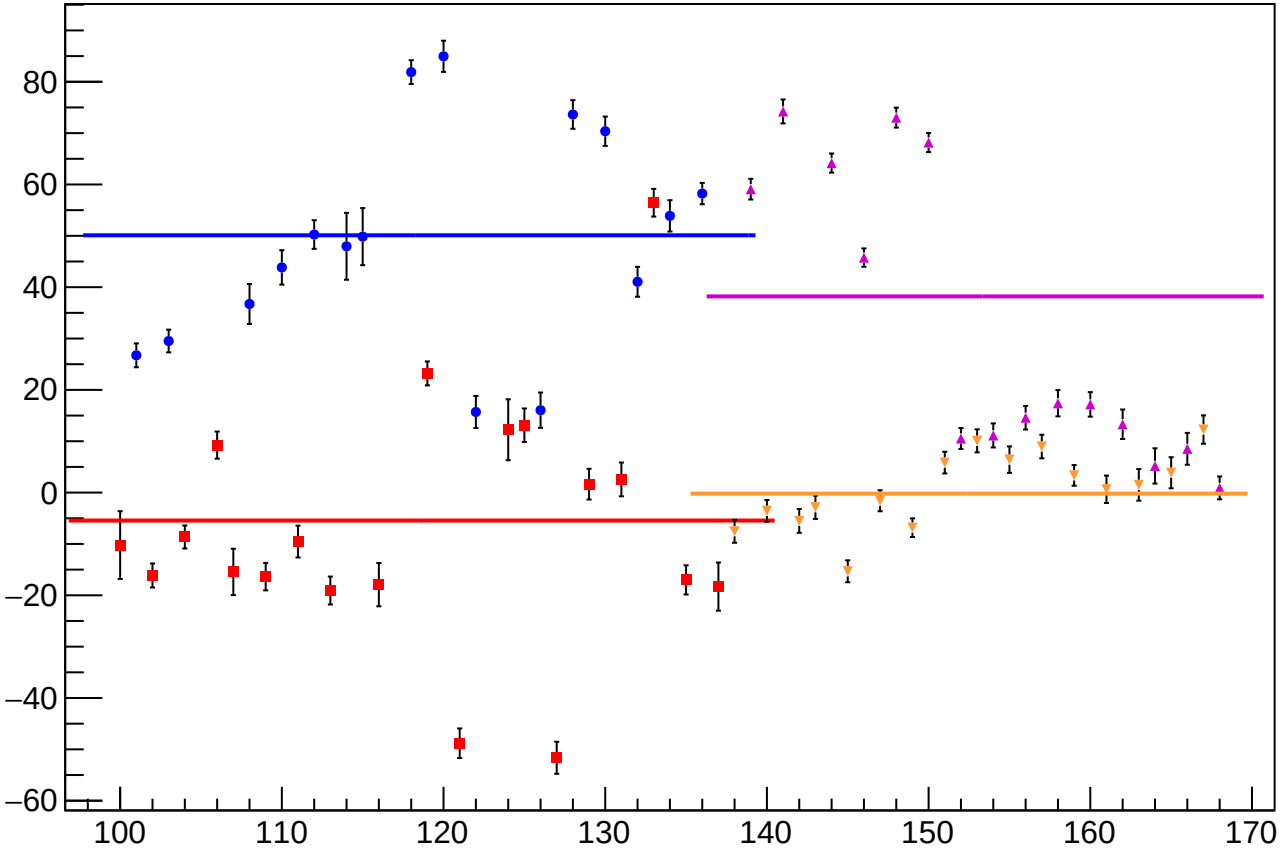
Left In: 2193.036+/-0.445 χ^2/NDF:326077.6/14

+ sign 2216.911+/-0.354 χ^2/NDF: 463318.6/31

All: 2206.534+/-0.250 χ^2/NDF: 921125.5/65

- sign 2196.319+/-0.351 χ^2/NDF: 456104.2/33

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -0.202+/-0.572 χ^2/NDF:161.3/15

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

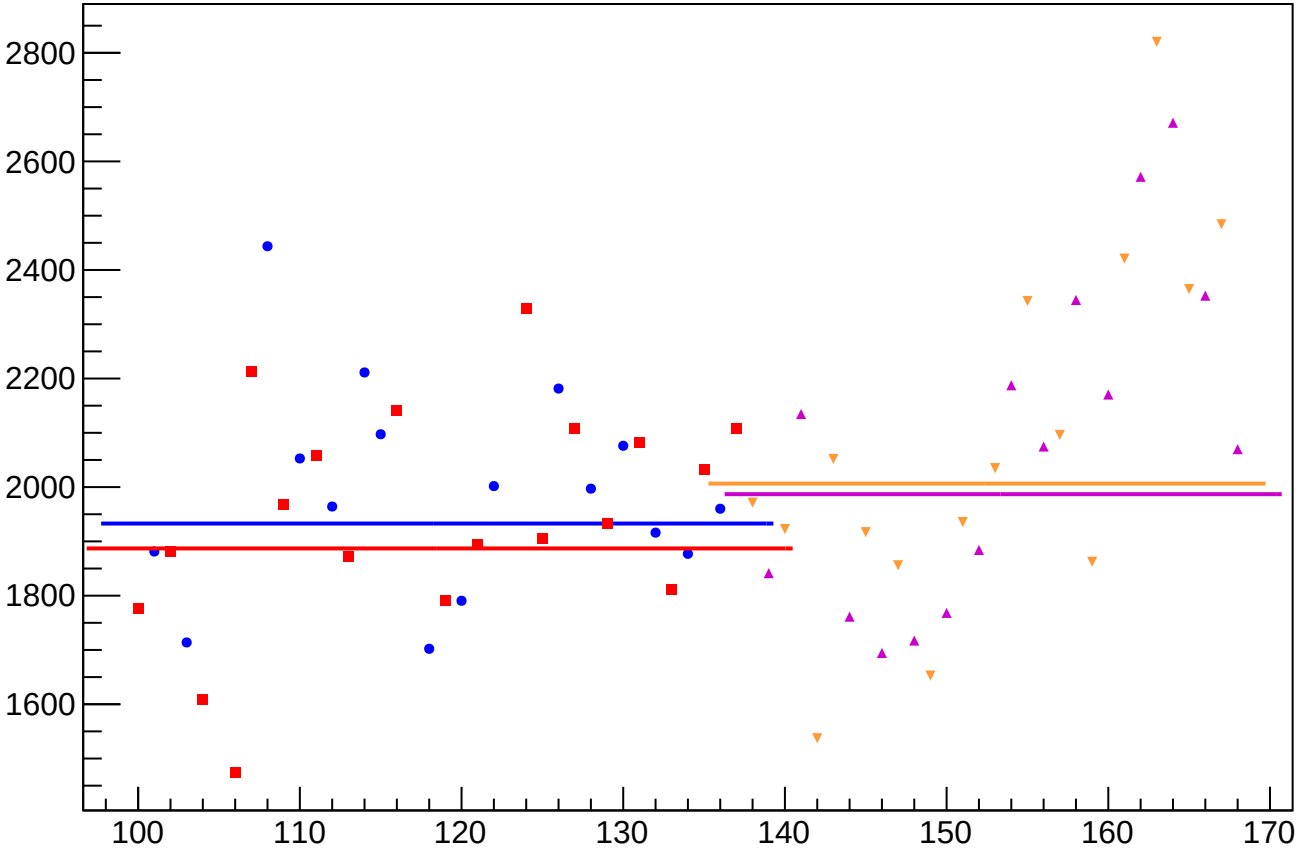
Left In: 38.206+/-0.574 χ^2/NDF:2246.2/14

+ sign 19.172+/-0.448 χ^2/NDF: 4033.7/31

All: 19.842+/-0.315 χ^2/NDF: 9944.7/65

- sign 20.494+/-0.442 χ^2/NDF: 5906.6/33

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2006.467+/-0.404 χ^2/NDF:502302.6/15

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

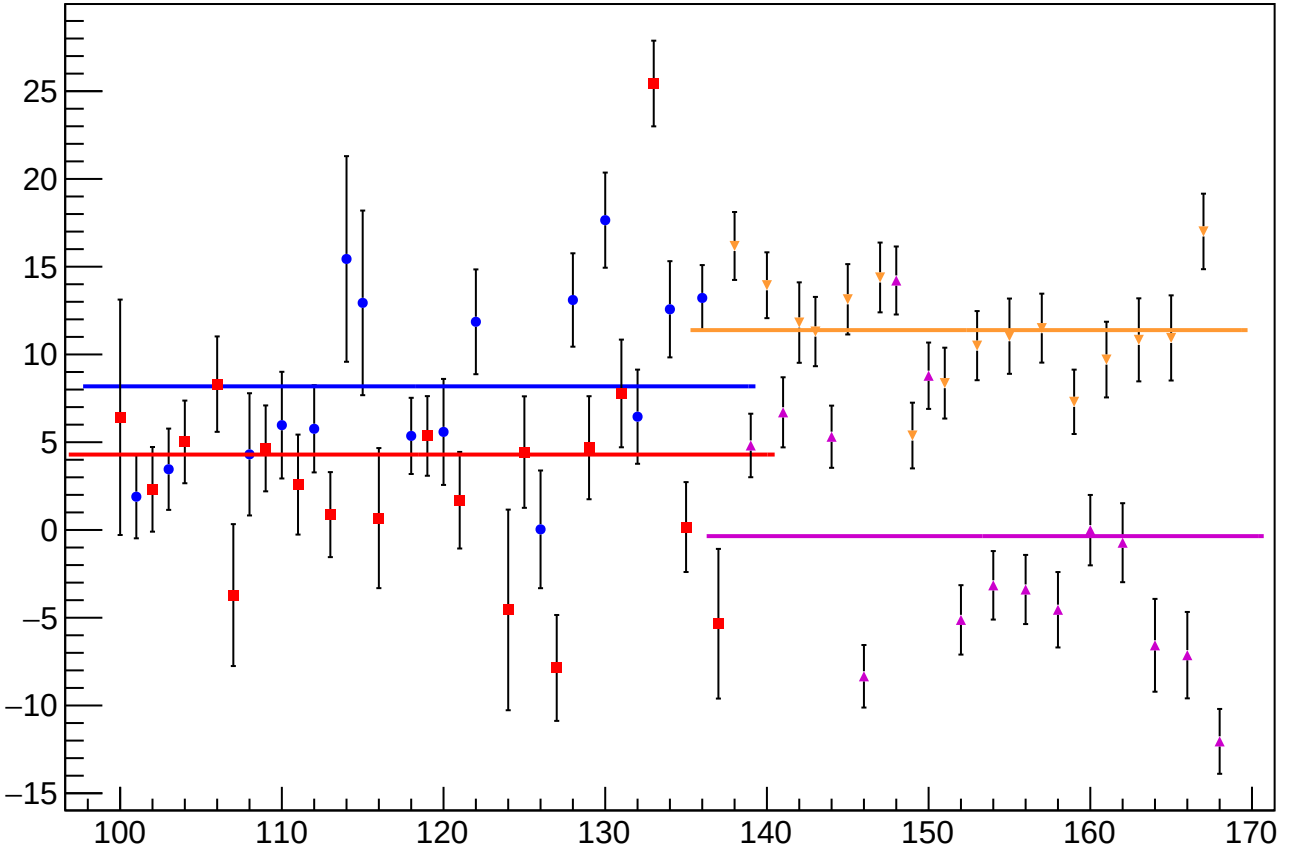
Left In: 1986.983+/-0.406 χ^2/NDF:433691.9/14

+ sign 1978.135+/-0.317 χ^2/NDF: 621031.5/31

All: 1962.065+/-0.223 χ^2/NDF: 1234191.4/65

- sign 1946.415+/-0.313 χ^2/NDF: 608083.7/33

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.386+/-0.510 χ^2/NDF:36.3/15

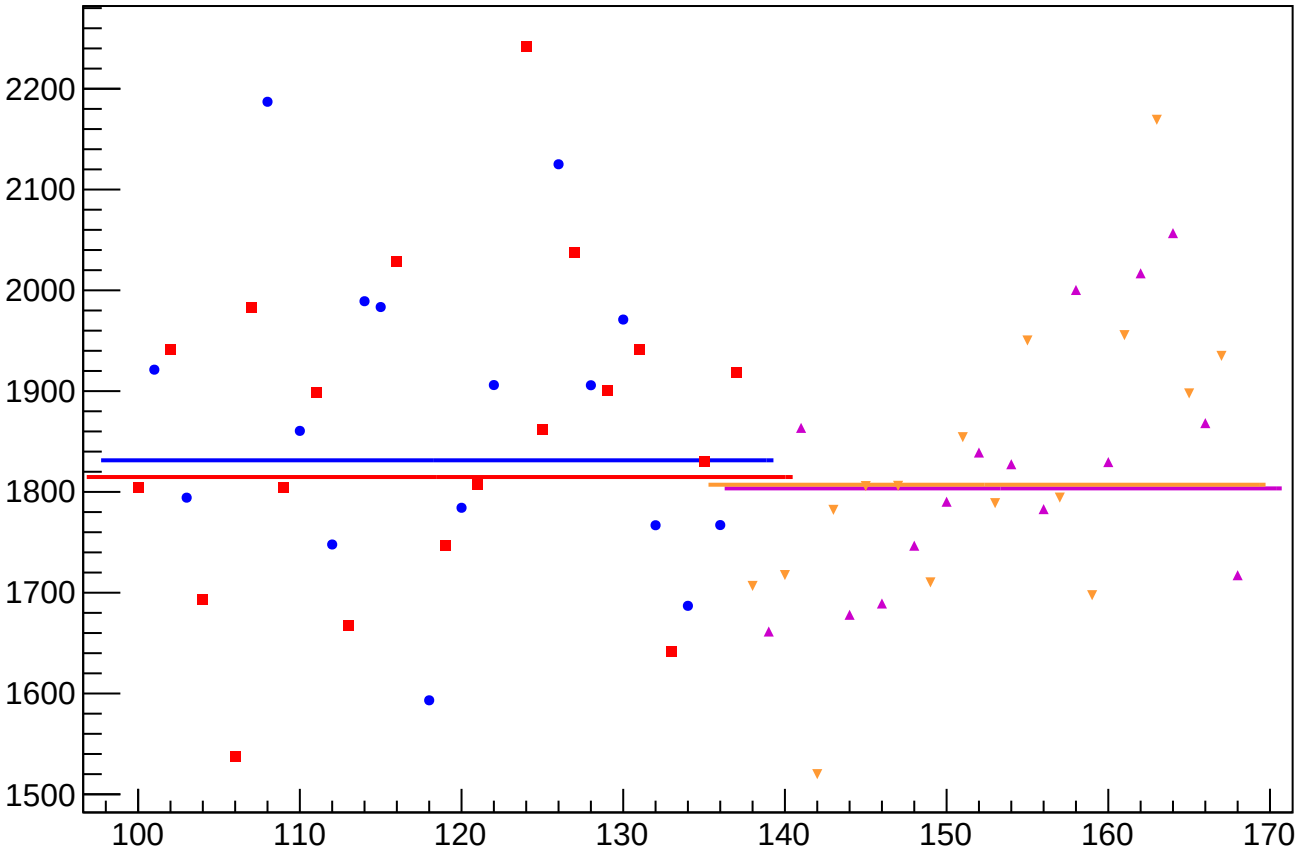
Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -0.351+/-0.515 χ^2/NDF:198.1/14

\+ sign 10.241+/-0.409 χ^2/NDF: 102.4/31

All: 5.795+/-0.288 χ^2/NDF: 680.4/65

\- sign 1.388+/-0.407 χ^2/NDF: 342.6/33



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1807.146+/-0.361 χ^2/NDF:130610.8/15

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

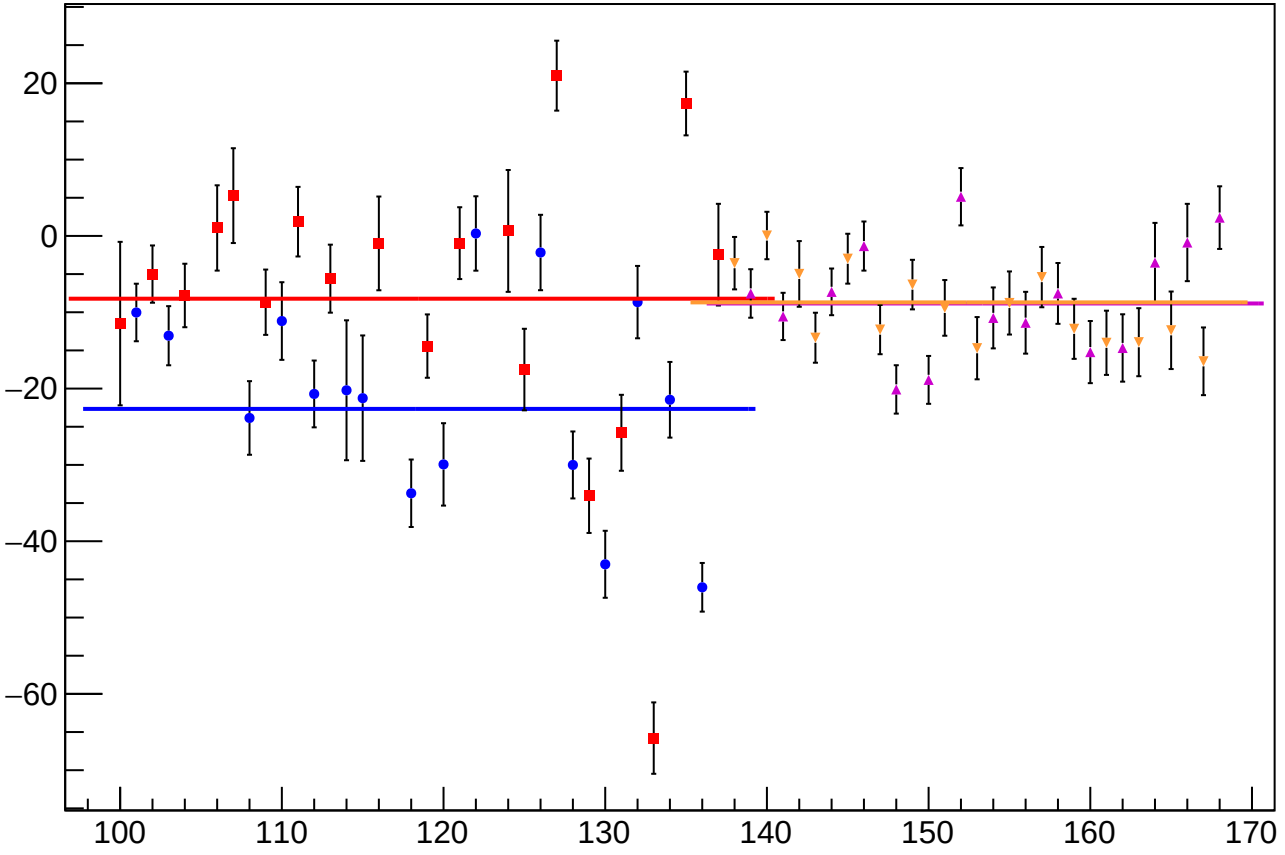
Left In: 1803.494+/-0.364 χ^2/NDF:94551.4/14

+ sign 1815.808+/-0.289 χ^2/NDF: 219141.8/31

All: 1811.744+/-0.204 χ^2/NDF: 405185.0/65

- sign 1807.715+/-0.288 χ^2/NDF: 185649.7/33

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -8.707+/-0.937 χ^2/NDF:27.9/15

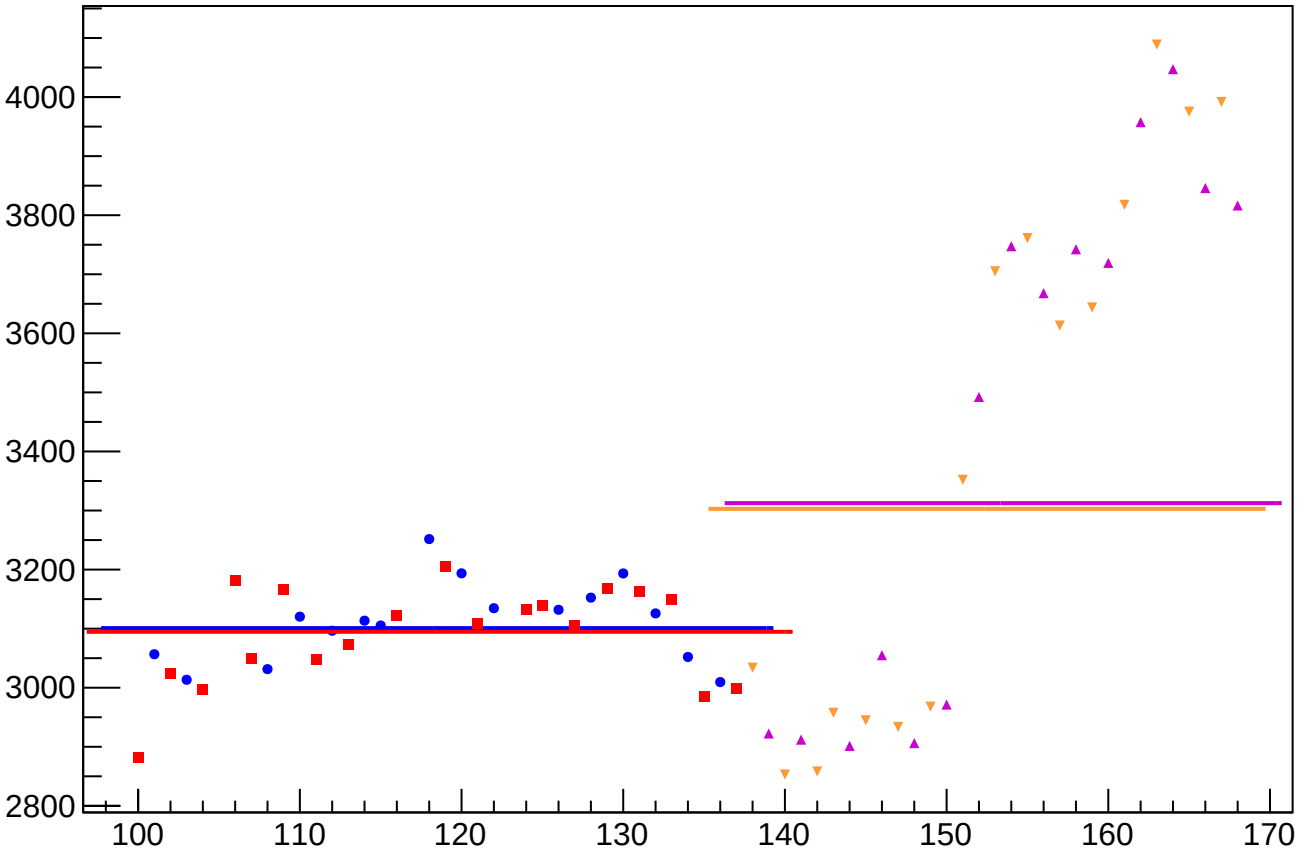
Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: -8.849+/-0.948 χ^2/NDF:58.8/14

+ sign -14.263+/-0.727 χ^2/NDF: 273.4/31

All: -11.423+/-0.514 χ^2/NDF: 657.8/65

- sign -8.591+/-0.726 χ^2/NDF: 353.8/33



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3302.853+/-0.663 χ^2/NDF:416474.1/15

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

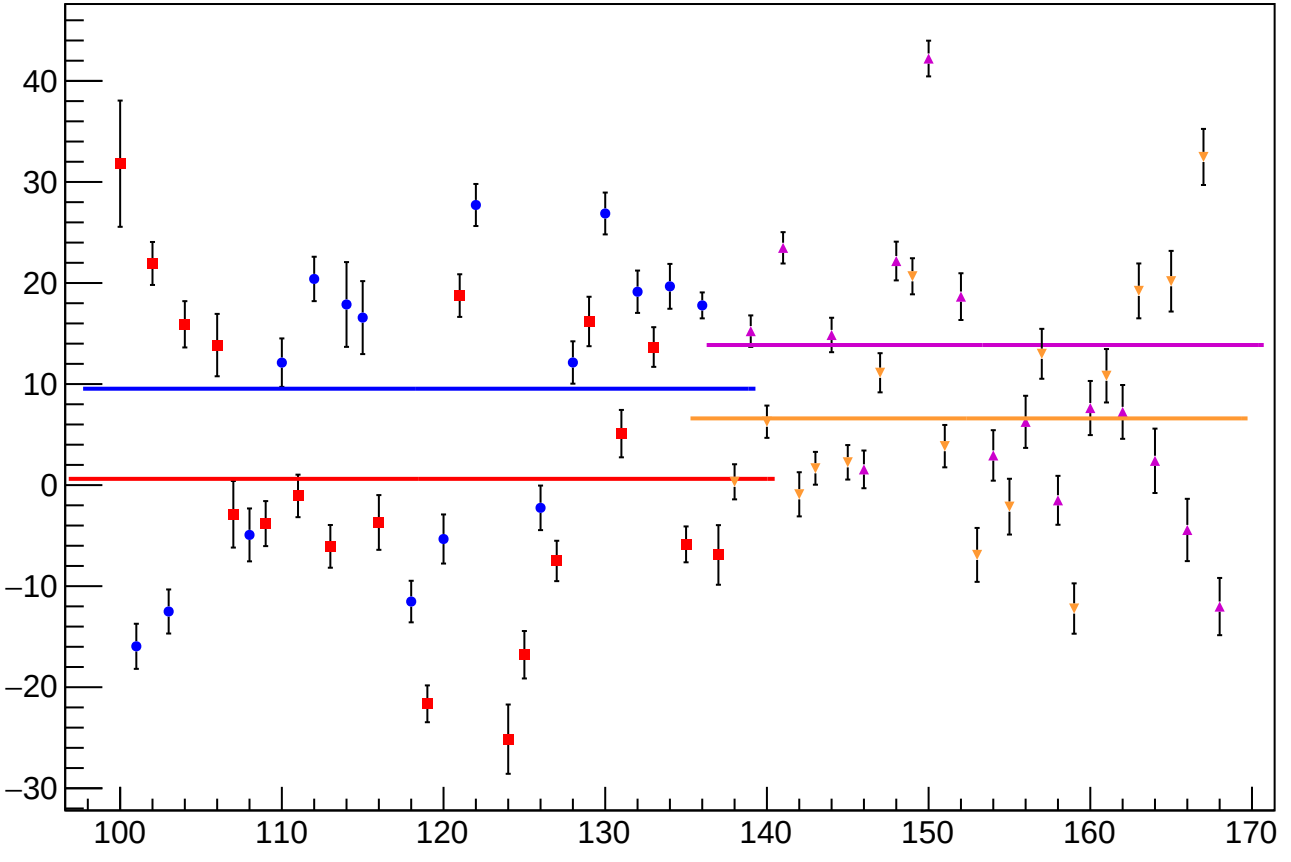
Left In: 3312.557+/-0.670 χ^2/NDF:391094.2/14

+ sign 3222.460+/-0.514 χ^2/NDF: 461349.1/31

All: 3222.457+/-0.363 χ^2/NDF: 904720.3/65

- sign 3222.455+/-0.513 χ^2/NDF: 443371.1/33

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 6.601+/-0.529 χ^2/NDF:340.7/15

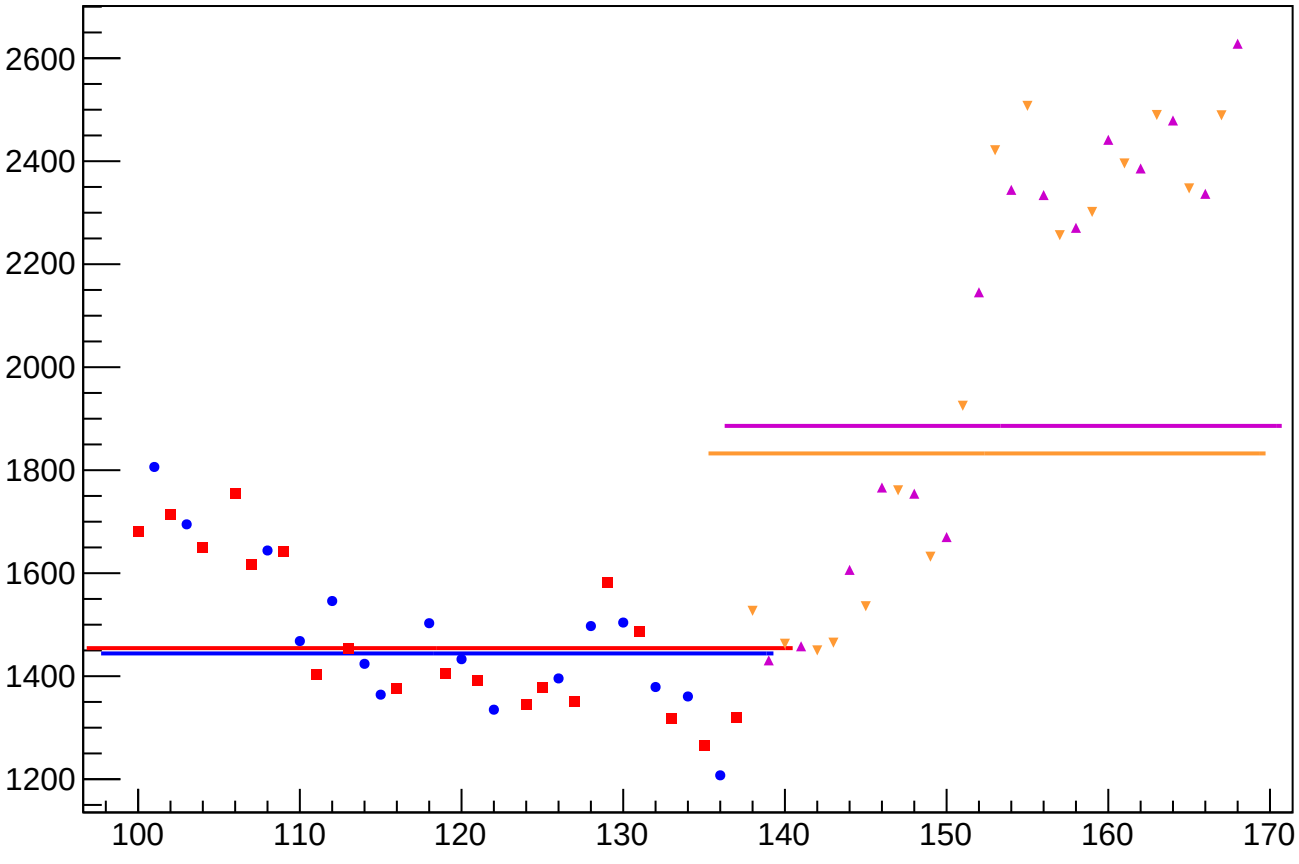
Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: 13.865+/-0.548 χ^2/NDF:574.9/14

+ sign 8.036+/-0.378 χ^2/NDF: 1054.5/31

All: 7.559+/-0.269 χ^2/NDF: 2598.0/65

- sign 7.071+/-0.383 χ^2/NDF: 1540.3/33



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1832.555+/-0.374 χ^2/NDF:1150241.0/15

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

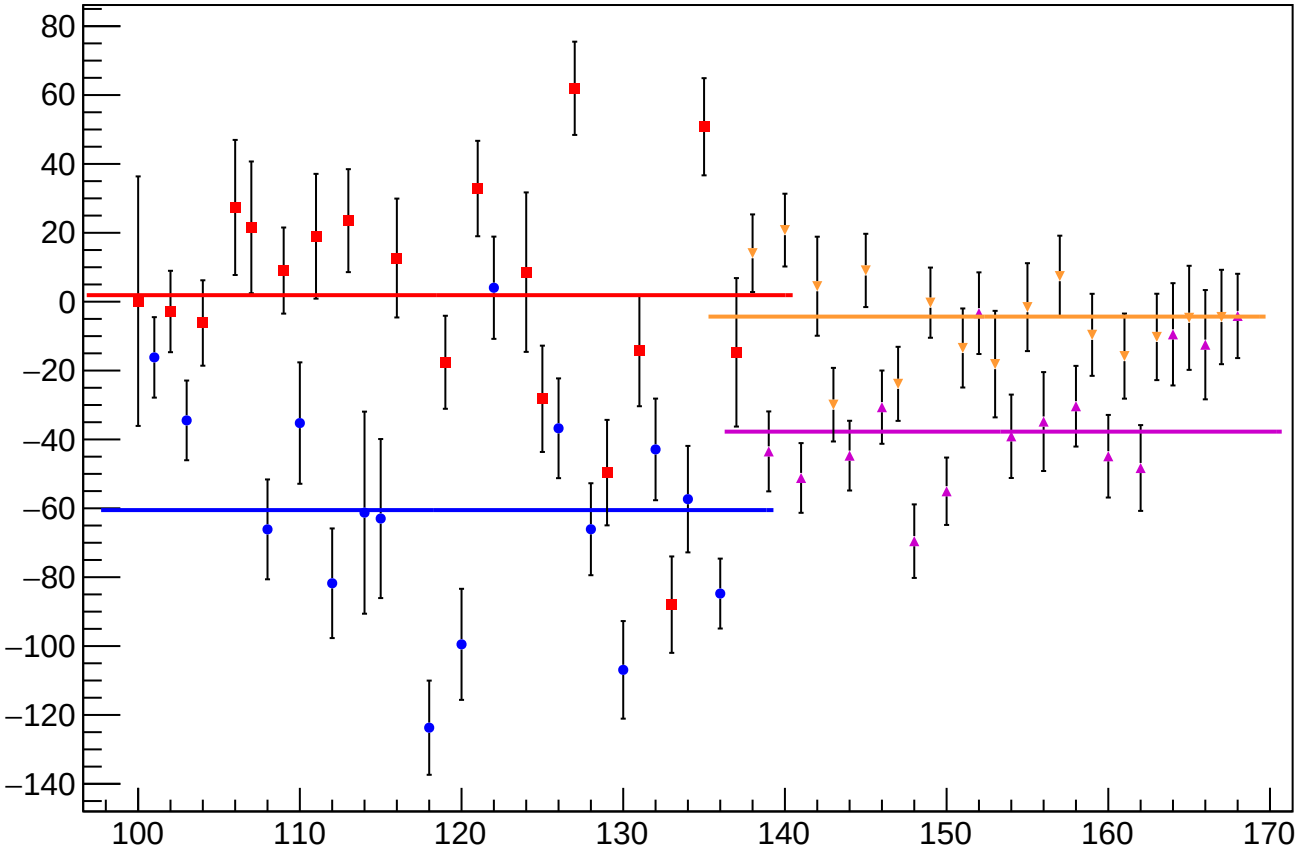
Left In: 1886.030+/-0.388 χ^2/NDF:1033912.8/14

+ sign 1642.976+/-0.267 χ^2/NDF: 1857357.2/31

All: 1653.708+/-0.190 χ^2/NDF: 3673331.7/65

- sign 1664.686+/-0.270 χ^2/NDF: 1812716.5/33

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -4.332+/-2.983 χ^2/NDF:23.2/15

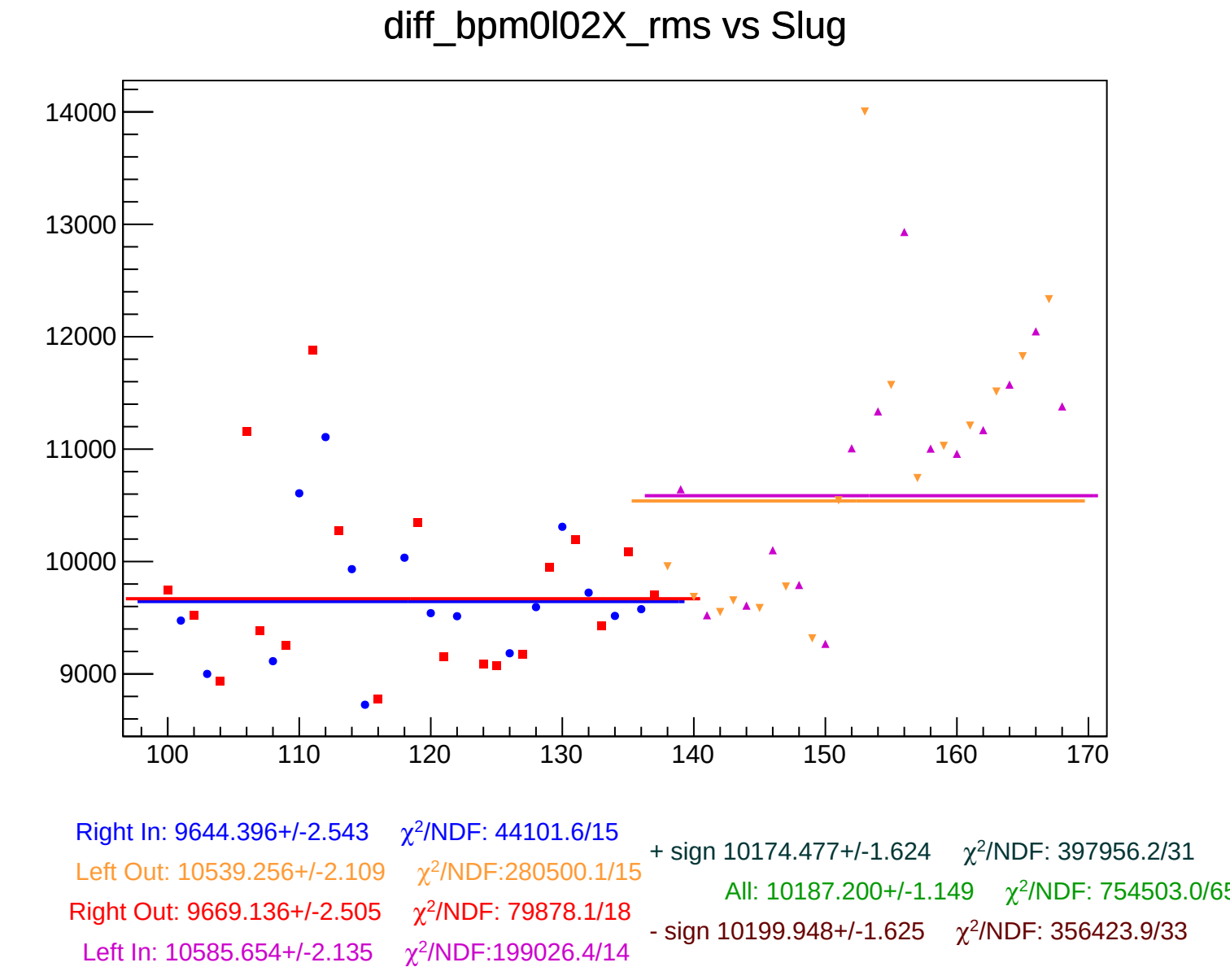
Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: -37.736+/-3.020 χ^2/NDF:38.6/14

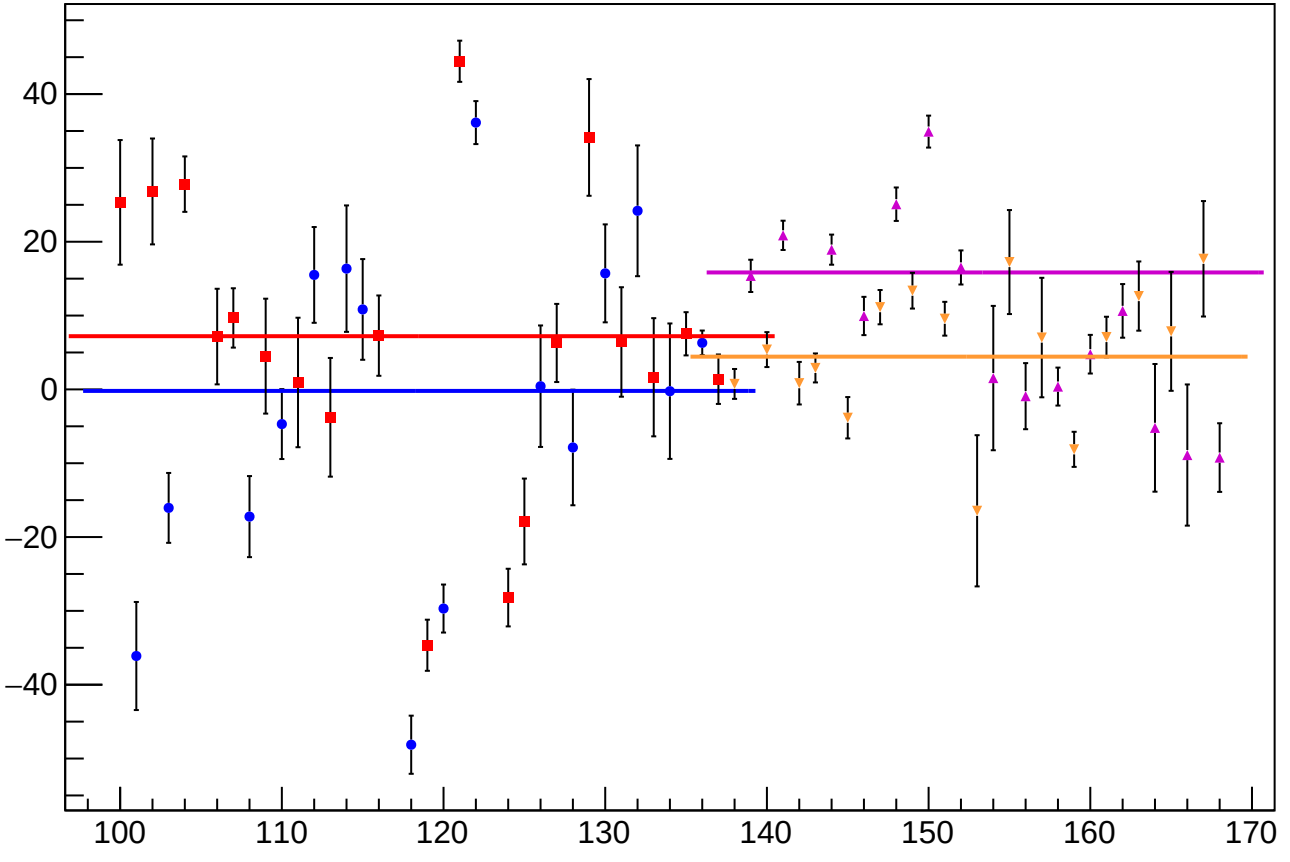
+ sign -27.235+/-2.296 χ^2/NDF: 258.1/31

All: -24.150+/-1.624 χ^2/NDF: 476.6/65

- sign -21.058+/-2.298 χ^2/NDF: 214.9/33


diff_bpm0l02X_rms vs Slug
14000
13000
12000
11000
10000
9000
100
110
120
130
140
150
160
170
Right In: 9644.396+/-2.543 χ²/NDF: 44101.6/15
Left Out: 10539.256+/-2.109 χ²/NDF:280500.1/15
Right Out: 9669.136+/-2.505 χ²/NDF: 79878.1/18
Left In: 10585.654+/-2.135 χ²/NDF:199026.4/14
+ sign 10174.477+/-1.624 χ²/NDF: 397956.2/31
All: 10187.200+/-1.149 χ²/NDF: 754503.0/65
- sign 10199.948+/-1.625 χ²/NDF: 356423.9/33

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 4.434+/-0.724 χ^2/NDF:83.9/15

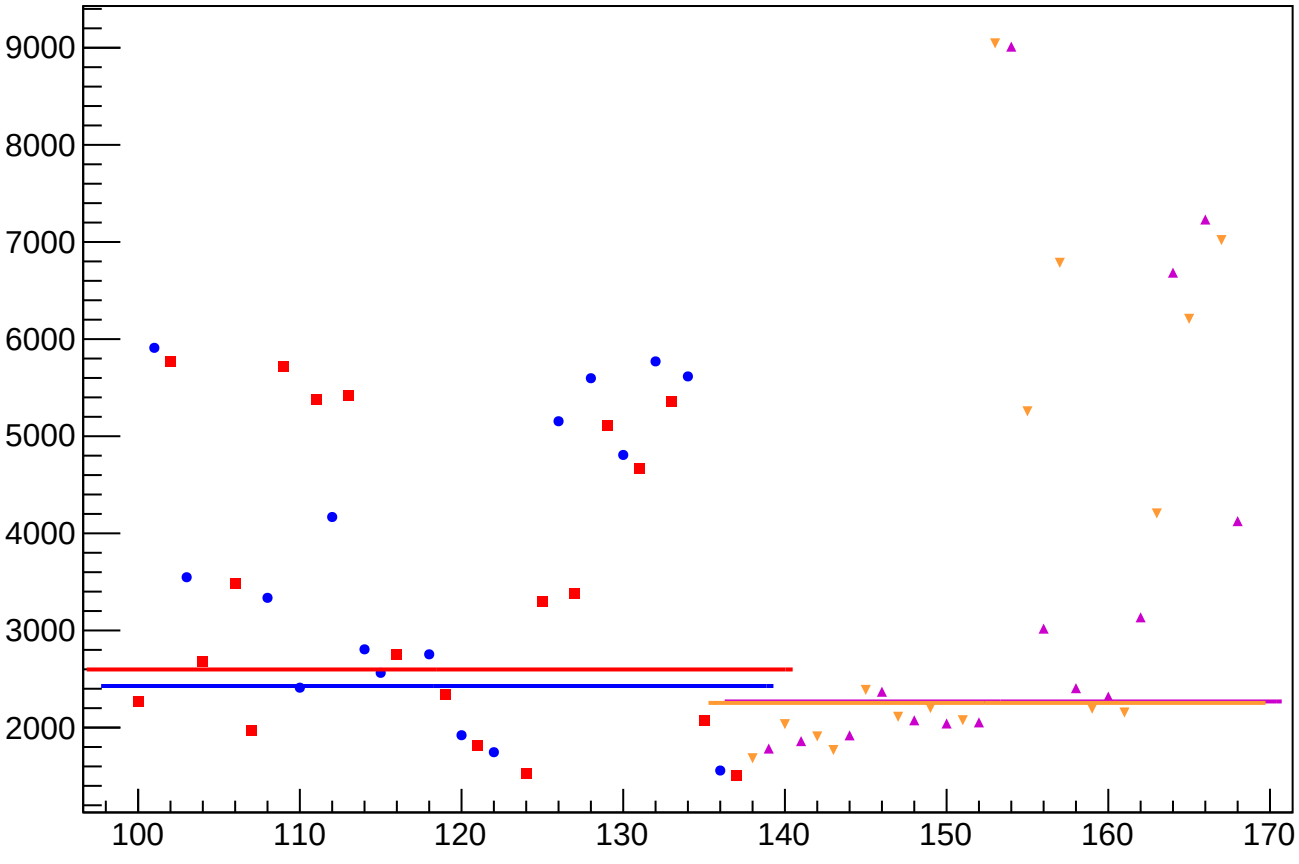
Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: 15.839+/-0.716 χ^2/NDF:222.3/14

+ sign 2.930+/-0.595 χ^2/NDF: 570.9/31

All: 8.055+/-0.421 χ^2/NDF: 1472.0/65

- sign 13.184+/-0.595 χ^2/NDF: 752.7/33



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2254.090+/-0.512 χ^2/NDF:3797224.1/15

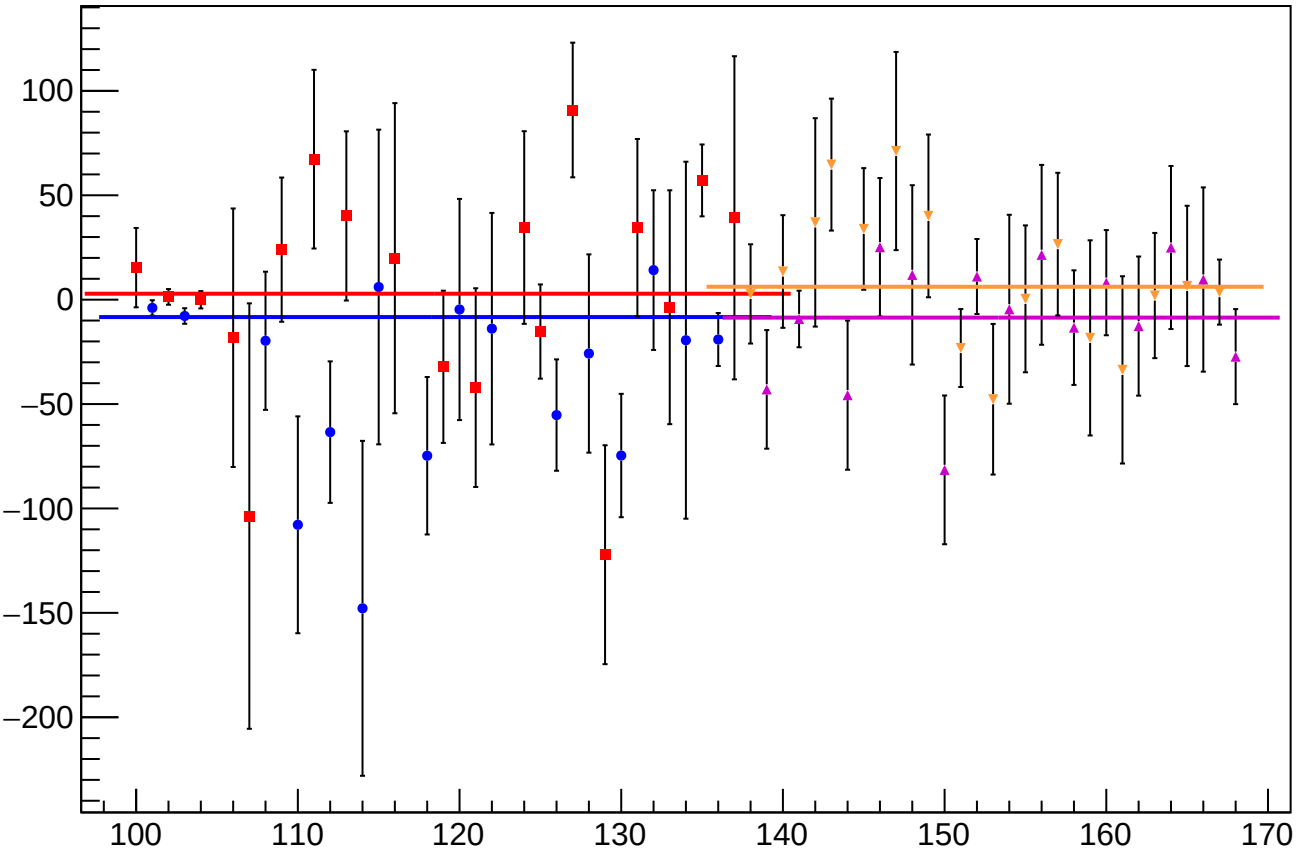
Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2269.025+/-0.506 χ^2/NDF:2805726.0/14

+ sign 2310.485+/-0.421 χ^2/NDF: 6650006.4/31

All: 2340.380+/-0.298 χ^2/NDF: 12111043.9/6

- sign 2370.302+/-0.421 χ^2/NDF: 5450940.0/33



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 6.187+/-7.255 χ^2/NDF:13.6/15

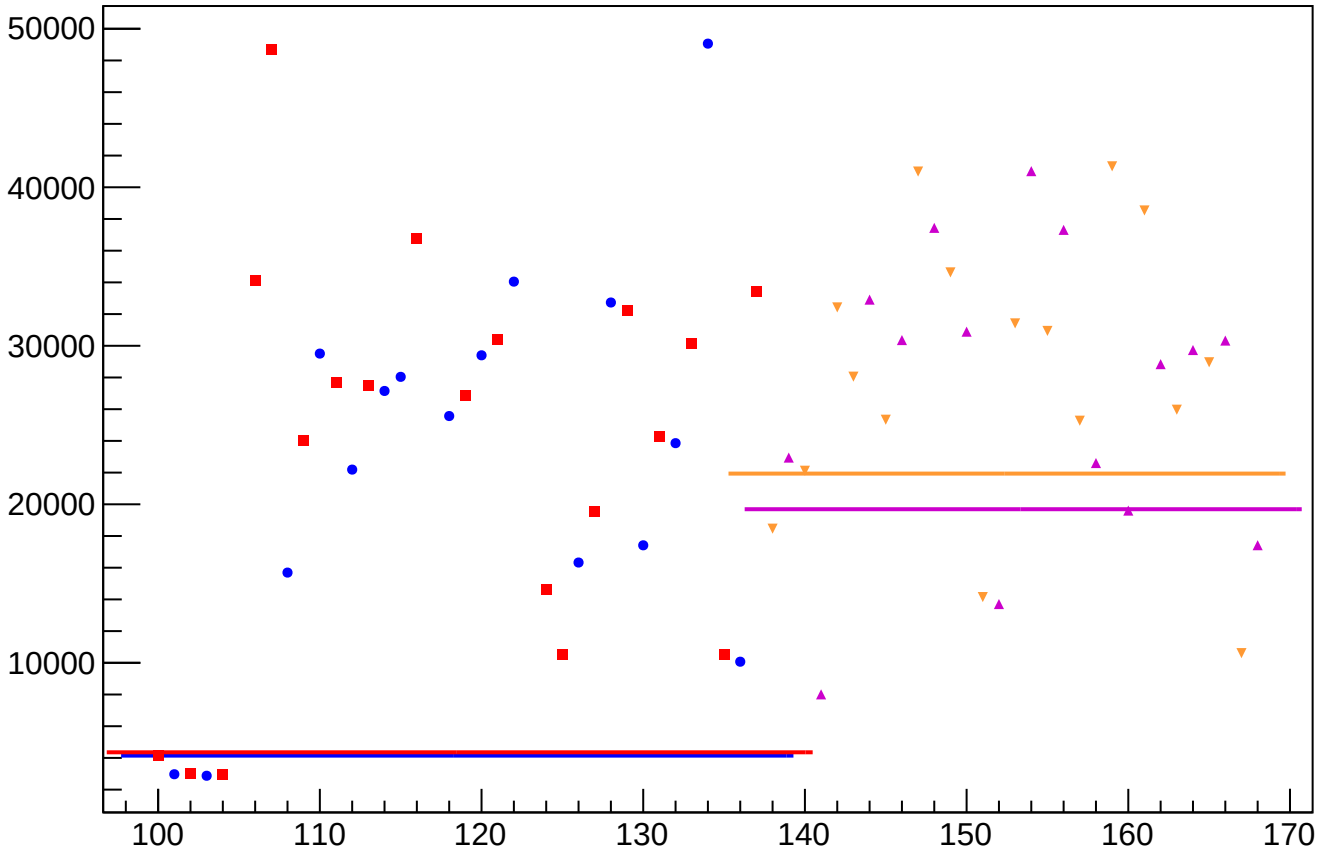
Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: -8.595+/-6.944 χ^2/NDF:11.8/14

+ sign -6.792+/-2.363 χ^2/NDF: 40.6/31

All: -2.871+/-1.707 χ^2/NDF: 93.2/65

- sign 1.403+/-2.467 χ^2/NDF: 46.8/33



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21936.995+/-5.130 χ^2/NDF:3182428.6/15

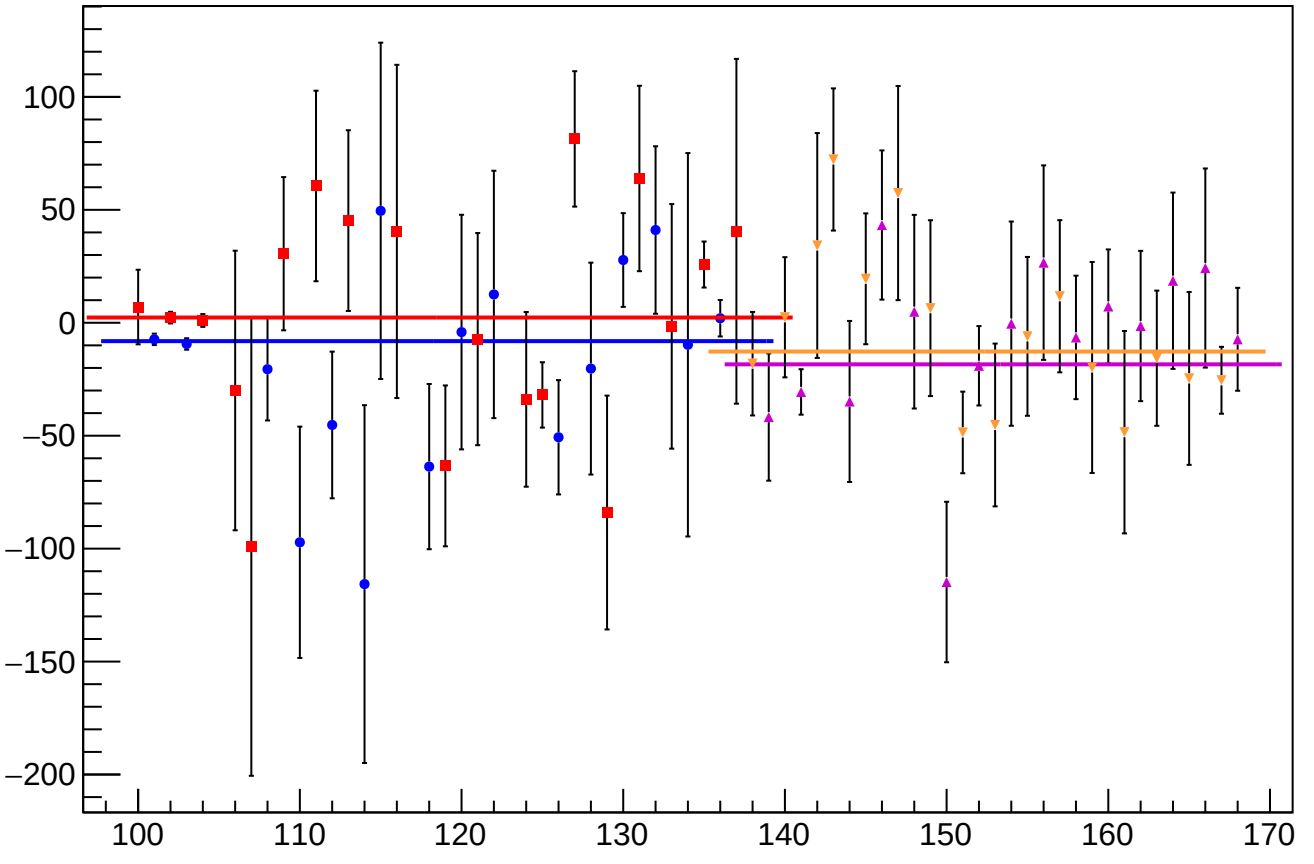
Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 19689.690+/-4.910 χ^2/NDF:3975890.5/14

+ sign 6033.128+/-1.671 χ^2/NDF: 20769706.3/31

All: 6156.306+/-1.207 χ^2/NDF: 40904794.6/6

- sign 6290.591+/-1.745 χ^2/NDF: 20123729.8/33



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -12.733+/-7.094 χ^2/NDF:19.1/15

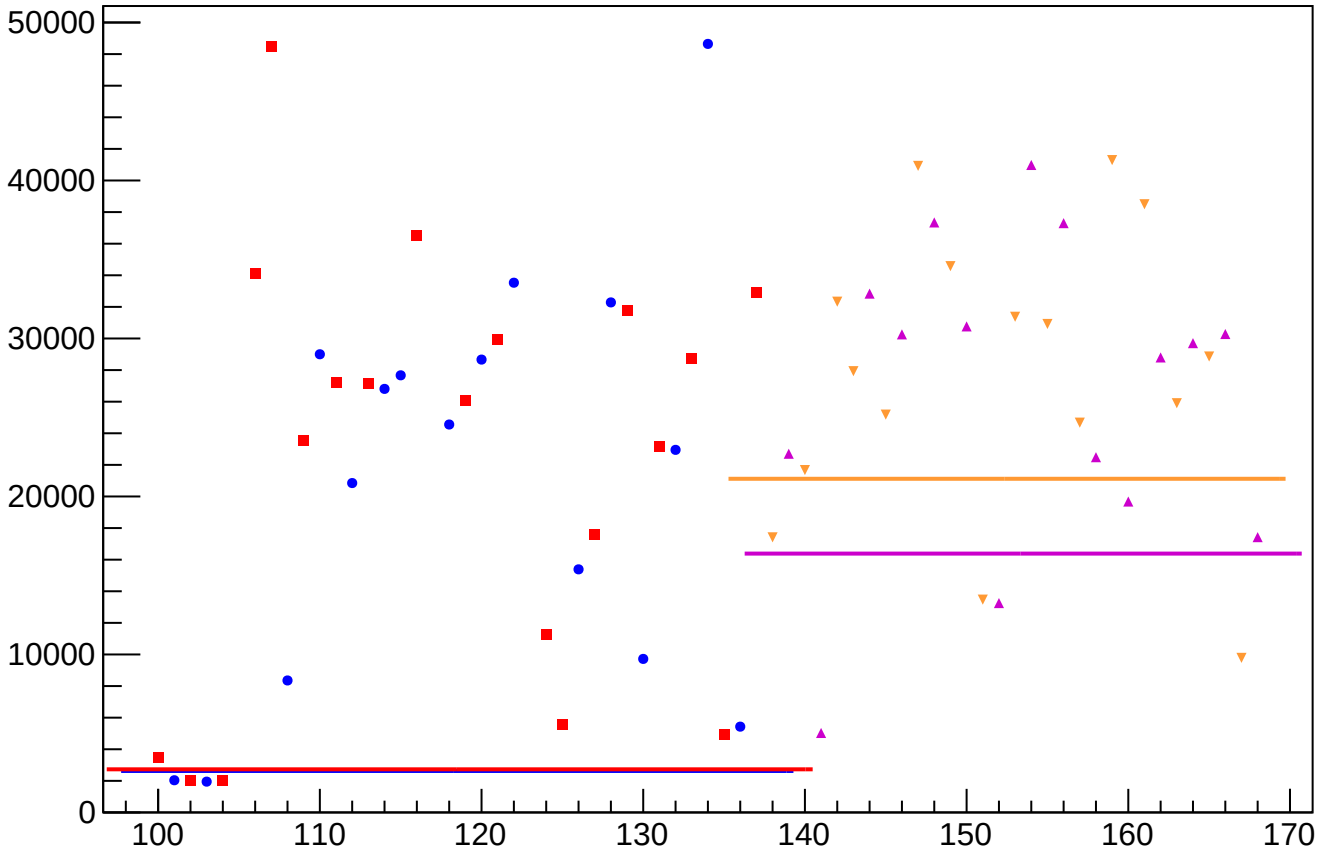
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -18.403+/-6.281 χ^2/NDF:18.3/14

+ sign -8.388+/-1.672 χ^2/NDF: 38.6/31

All: -4.042+/-1.209 χ^2/NDF: 114.1/65

- sign 0.716+/-1.750 χ^2/NDF: 61.4/33



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 21119.742+/-5.017 χ^2/NDF:3552893.0/15

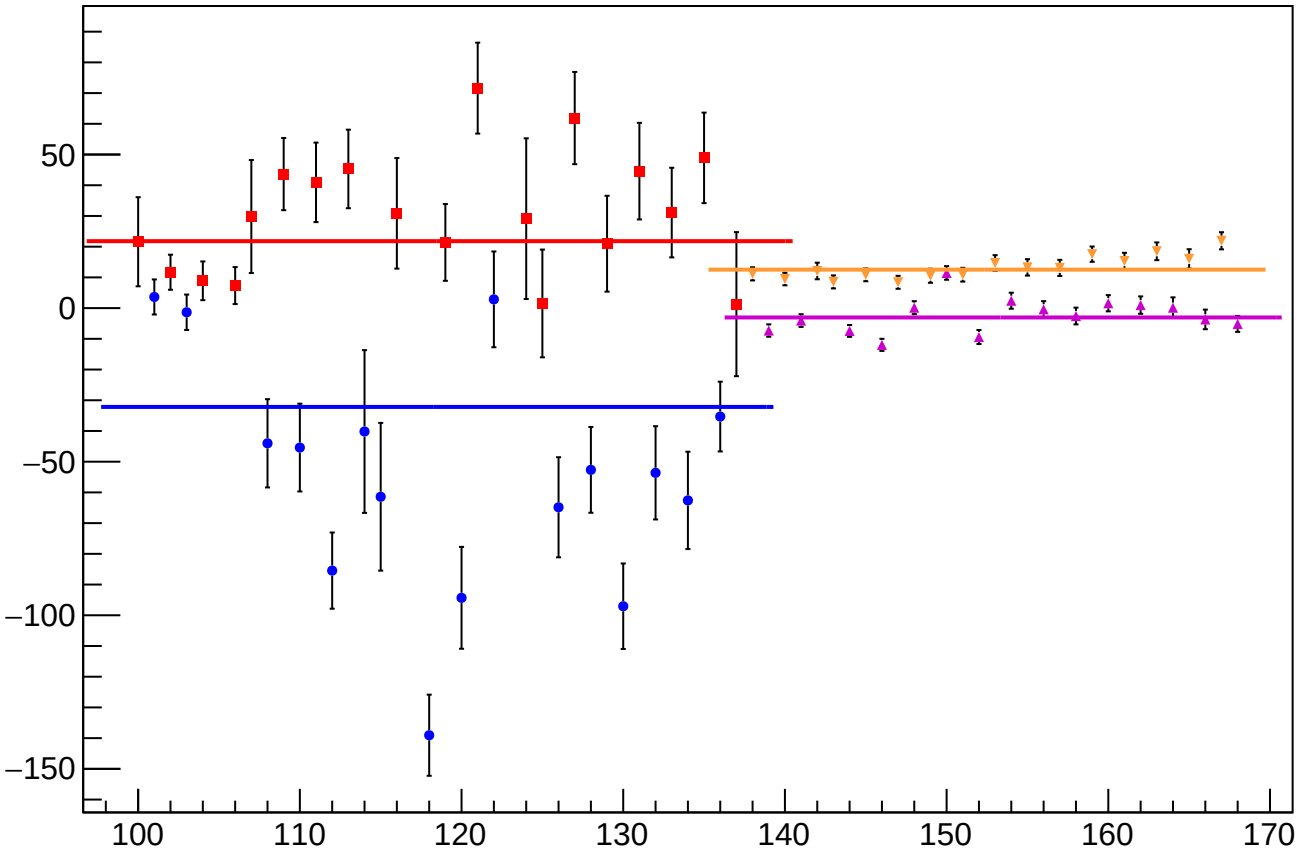
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 16384.313+/-4.441 χ^2/NDF:6206880.4/14

+ sign 3653.529+/-1.182 χ^2/NDF: 23168990.5/31

All: 3718.567+/-0.855 χ^2/NDF: 46087446.3/6

- sign 3789.785+/-1.237 χ^2/NDF: 22912115.5/33



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 12.522+/-0.604 χ^2/NDF:34.8/15

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

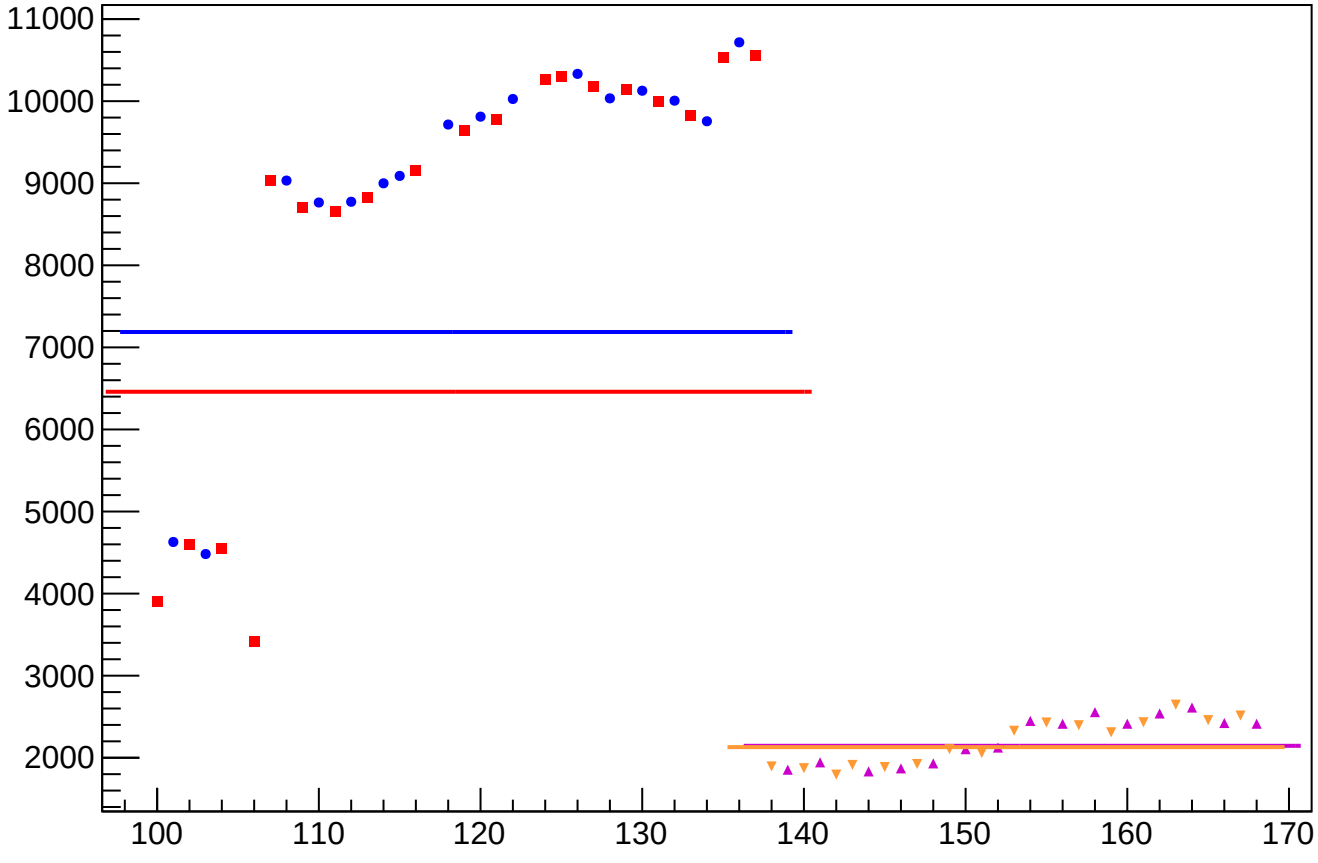
Left In: -3.046+/-0.614 χ^2/NDF:95.0/14

+ sign 10.592+/-0.591 χ^2/NDF: 479.2/31

All: 4.523+/-0.420 χ^2/NDF: 926.3/65

- sign -1.690+/-0.597 χ^2/NDF: 233.3/33

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2129.296+/-0.427 χ^2/NDF:373634.5/15

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

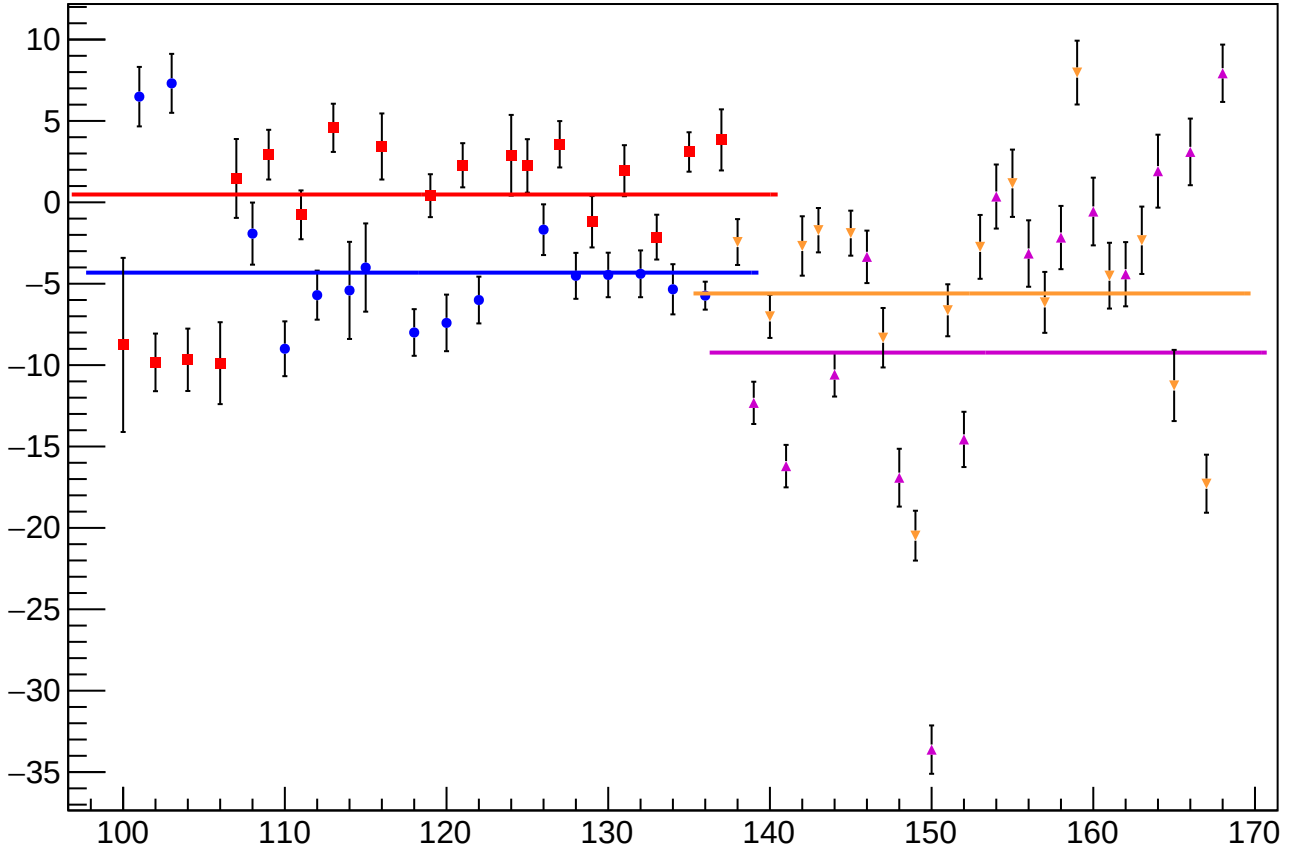
Left In: 2145.567+/-0.435 χ^2/NDF:400628.8/14

+ sign 2347.758+/-0.418 χ^2/NDF: 8142180.4/31

All: 2364.207+/-0.297 χ^2/NDF: 16202381.1/6

- sign 2381.043+/-0.422 χ^2/NDF: 8057061.2/33

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -5.598+/-0.423 χ^2/NDF:234.3/15

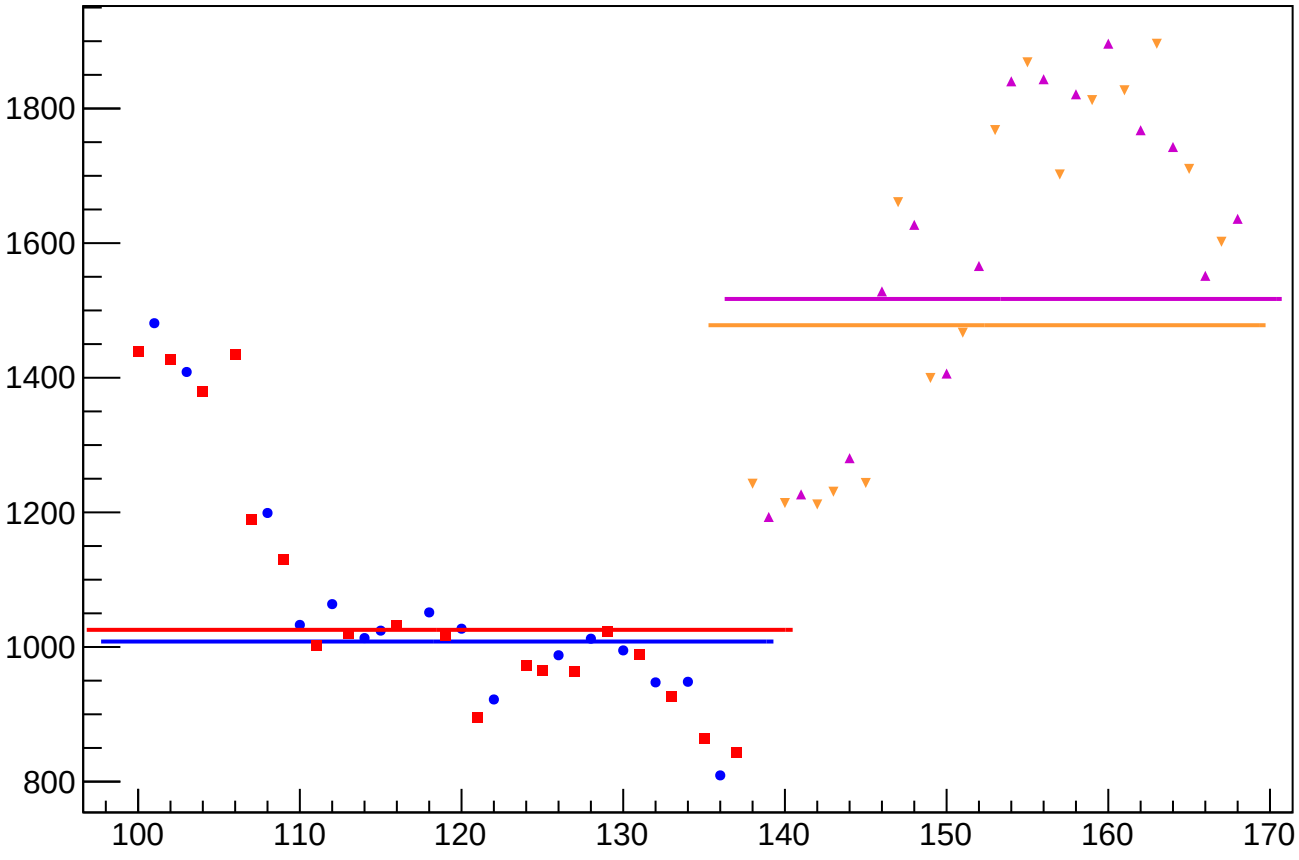
Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: -9.231+/-0.437 χ^2/NDF:571.9/14

\+ sign -4.890+/-0.282 χ^2/NDF: 343.1/31

All: -4.296+/-0.201 χ^2/NDF: 1323.4/65

\- sign -3.687+/-0.286 χ^2/NDF: 971.3/33



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1478.045+/-0.299 χ^2/NDF:702358.7/15

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

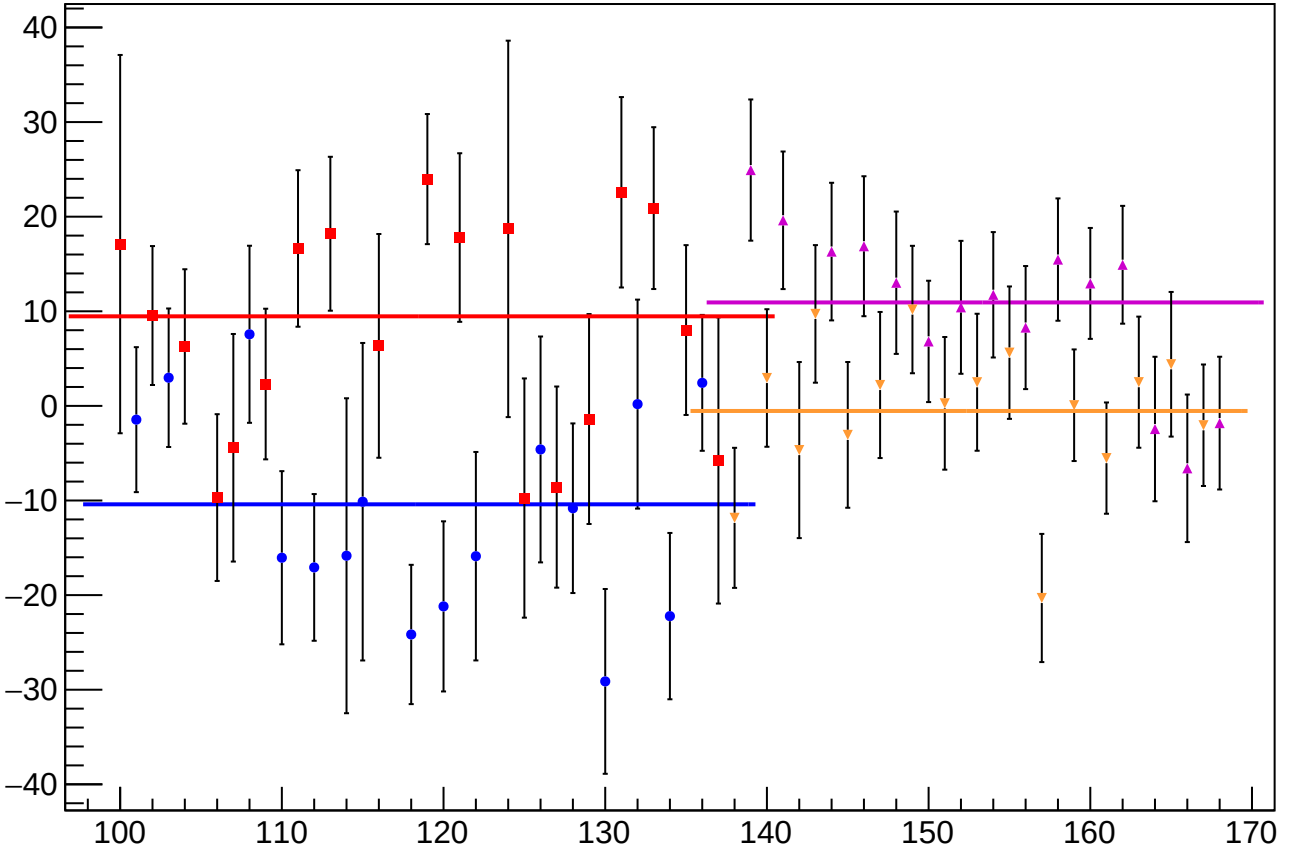
Left In: 1517.067+/-0.309 χ^2/NDF:588361.6/14

+ sign 1217.994+/-0.200 χ^2/NDF: 2449080.8/31

All: 1227.091+/-0.142 χ^2/NDF: 4834028.9/65

- sign 1236.423+/-0.202 χ^2/NDF: 2380746.4/33

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.537+/-1.755 χ^2/NDF:18.4/15

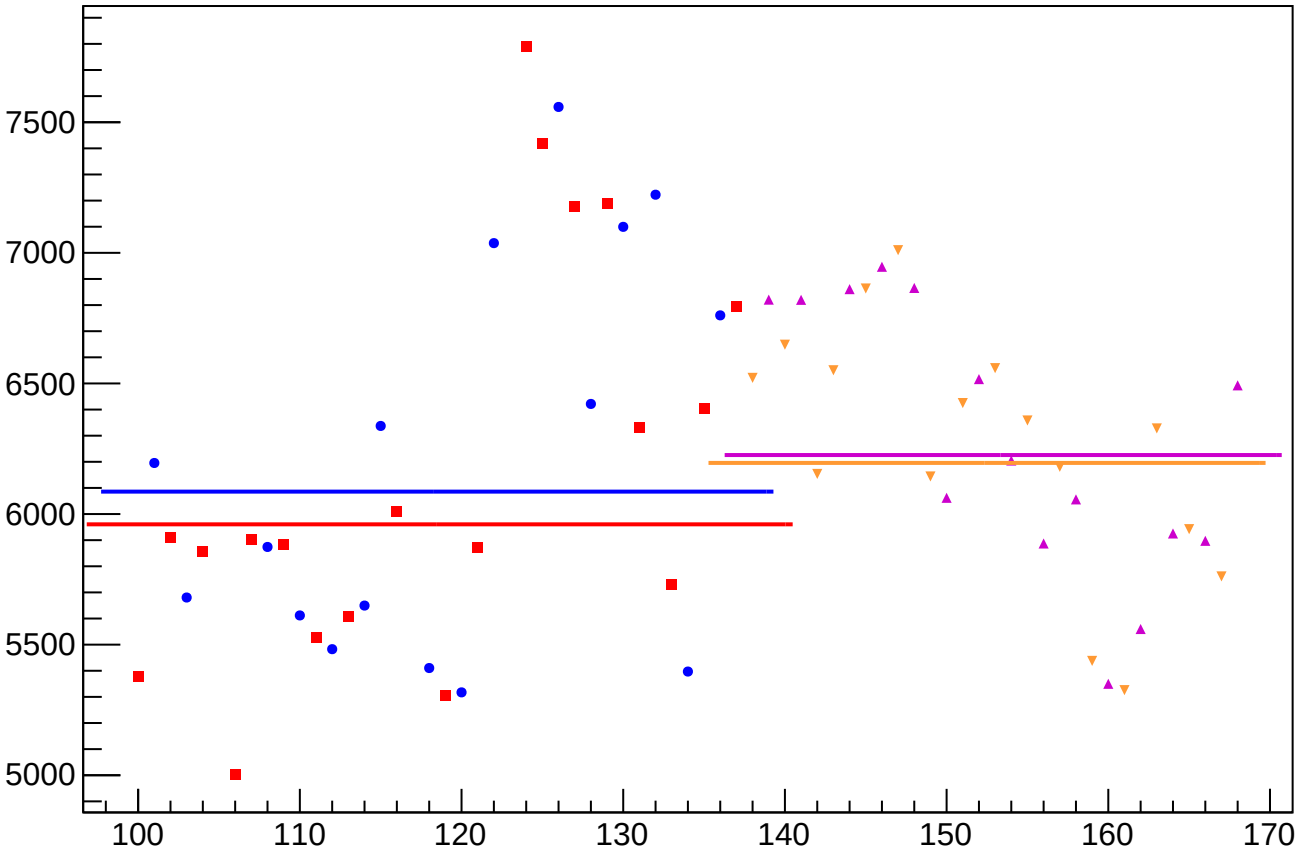
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 10.935+/-1.781 χ^2/NDF:19.3/14

+ sign -4.207+/-1.391 χ^2/NDF: 54.8/31

All: 3.118+/-0.980 χ^2/NDF: 154.8/65

- sign 10.351+/-1.382 χ^2/NDF: 44.9/33



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6195.779+/-1.241 χ^2/NDF:150943.5/15

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

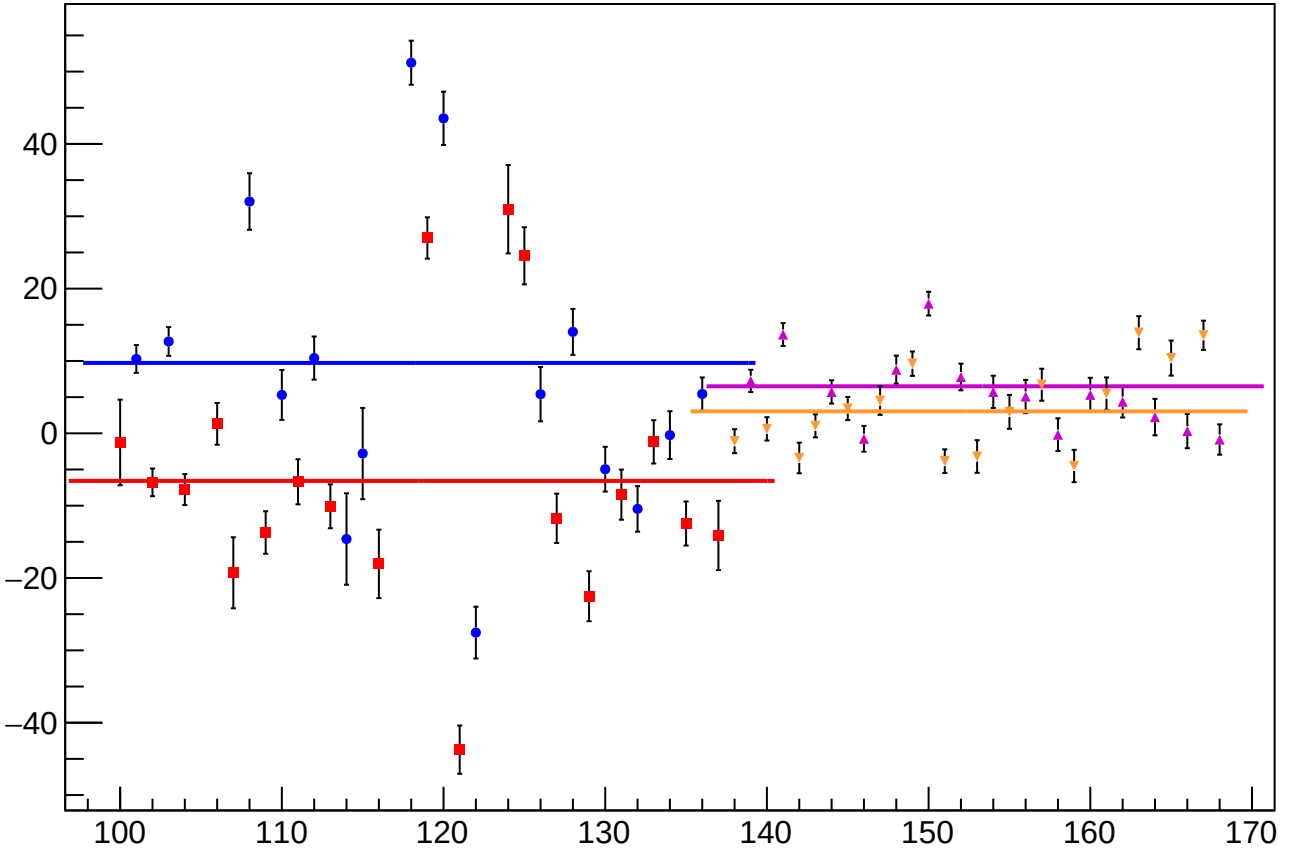
Left In: 6225.893+/-1.259 χ^2/NDF:163352.0/14

+ sign 6154.896+/-0.983 χ^2/NDF: 332980.9/31

All: 6137.523+/-0.693 χ^2/NDF: 677384.0/65

- sign 6120.368+/-0.977 χ^2/NDF: 343782.7/33

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 3.037+/-0.481 χ^2/NDF:135.0/15

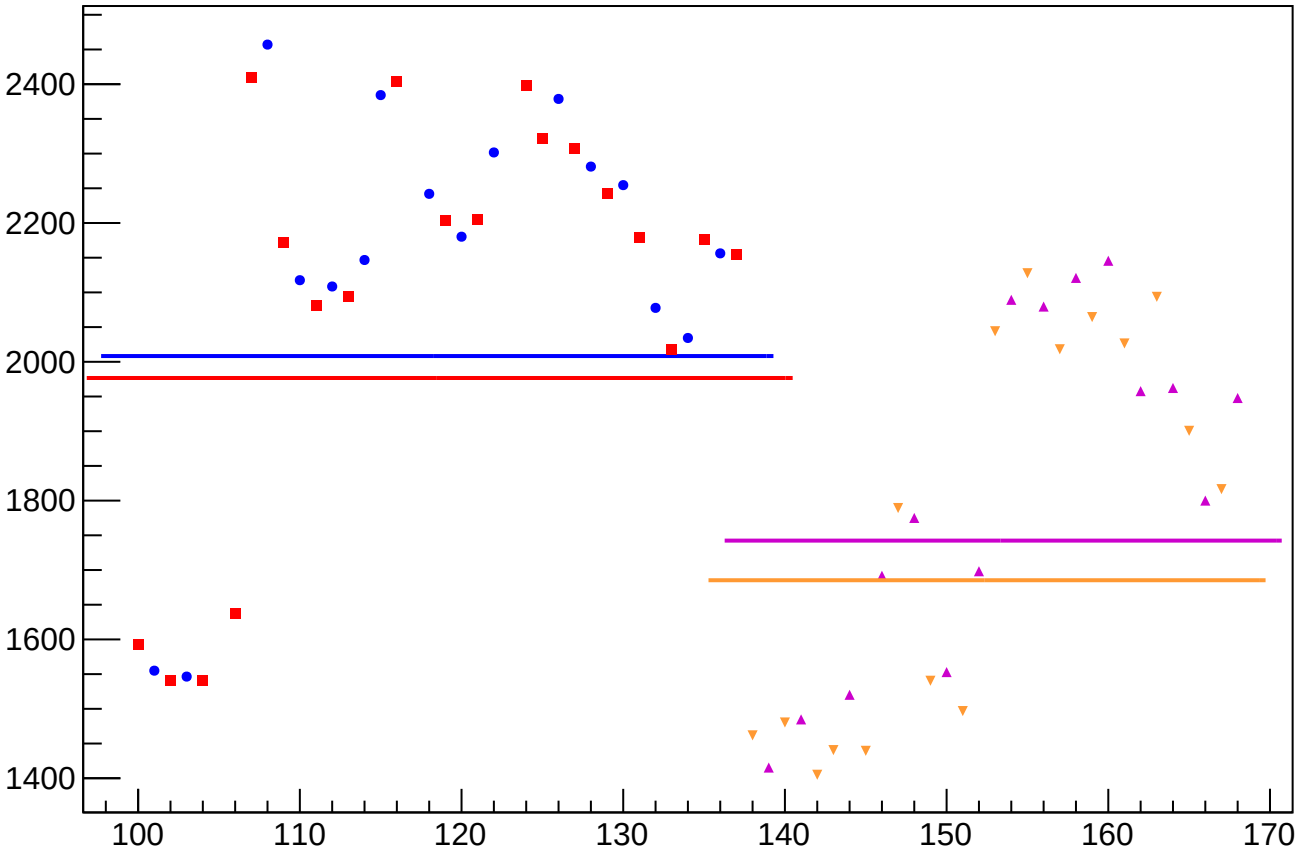
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 6.500+/-0.500 χ^2/NDF:120.2/14

+ sign 4.968+/-0.405 χ^2/NDF: 703.3/31

All: 3.669+/-0.289 χ^2/NDF: 1486.4/65

- sign 2.323+/-0.413 χ^2/NDF: 762.1/33



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1685.268+/-0.340 χ^2/NDF:604220.1/15

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

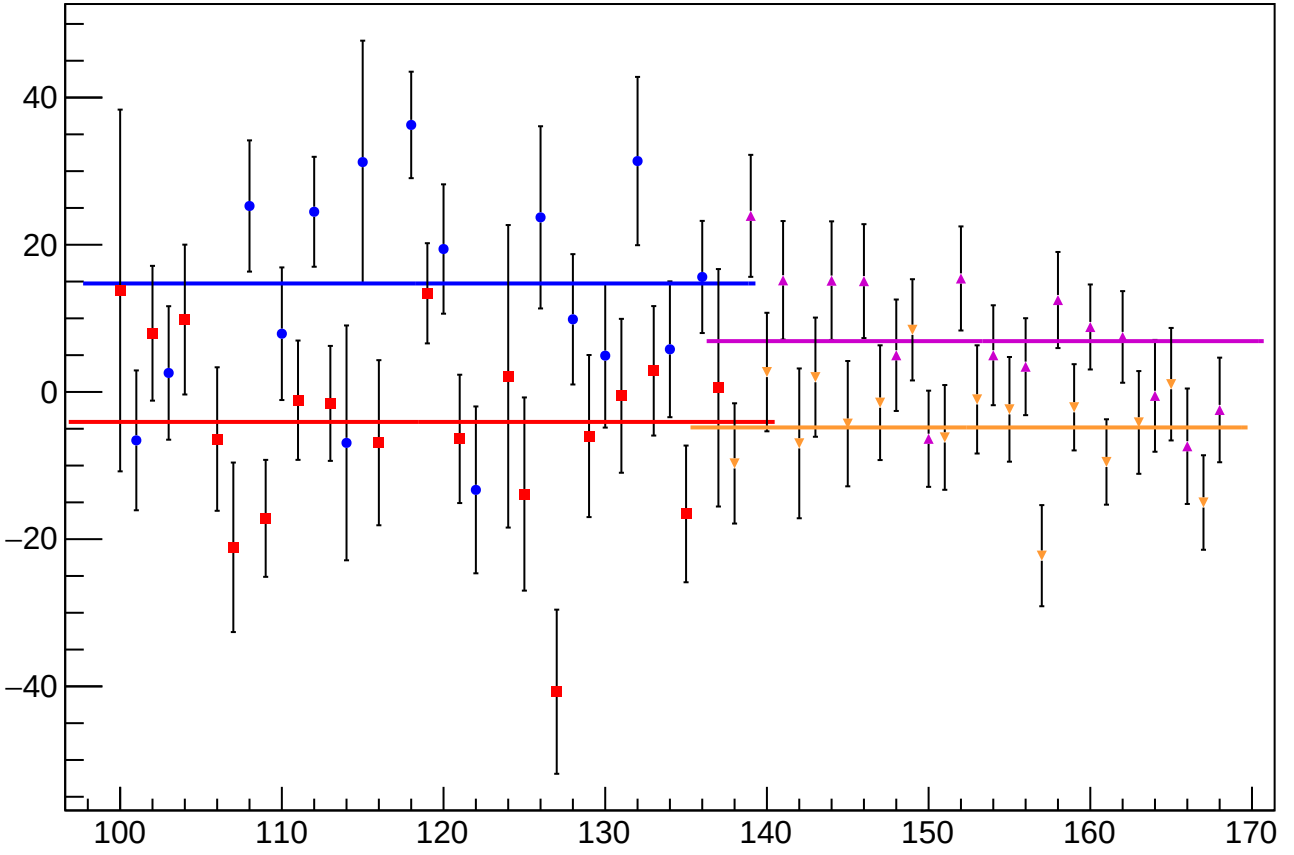
Left In: 1742.376+/-0.354 χ^2/NDF:473031.6/14

+ sign 1778.428+/-0.287 χ^2/NDF: 1209188.0/31

All: 1797.474+/-0.205 χ^2/NDF: 2196677.4/65

- sign 1817.219+/-0.292 χ^2/NDF: 978498.7/33

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -4.822+/-1.806 χ^2/NDF:16.7/15

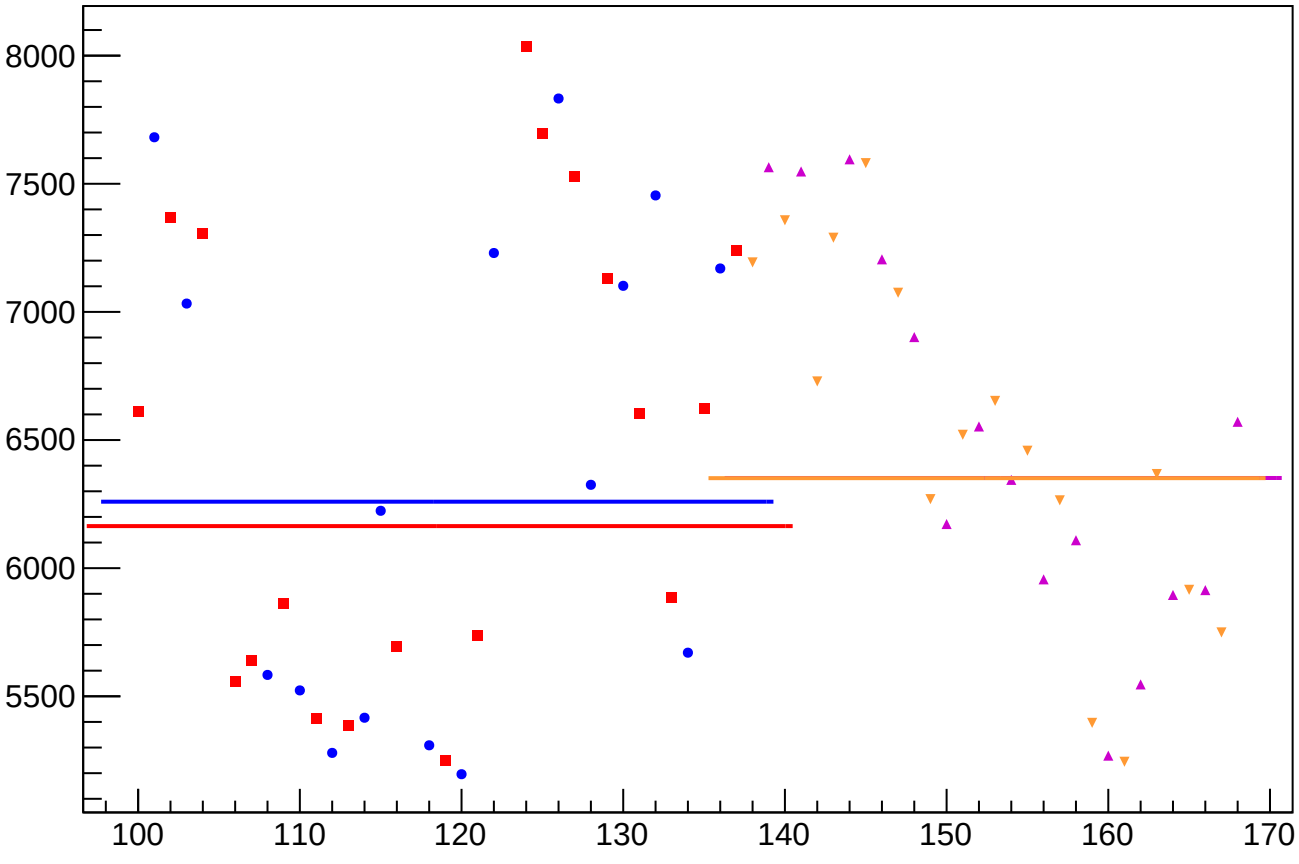
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 6.905+/-1.825 χ^2/NDF:20.3/14

+ sign 2.411+/-1.434 χ^2/NDF: 93.7/31

All: 2.509+/-1.010 χ^2/NDF: 158.3/65

- sign 2.605+/-1.423 χ^2/NDF: 64.6/33



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6351.239+/-1.277 χ^2/NDF:296566.3/15

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

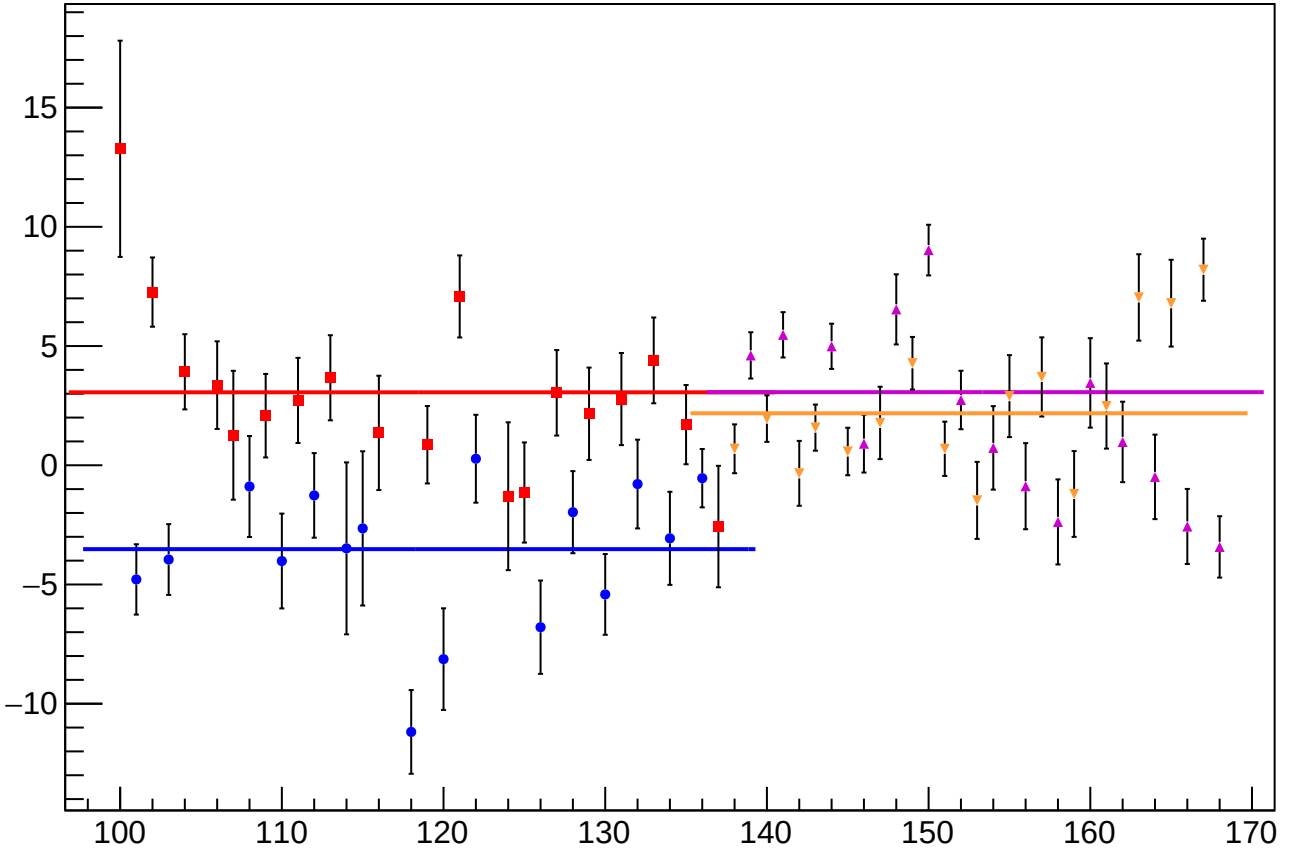
Left In: 6351.898+/-1.290 χ^2/NDF:301812.9/14

+ sign 6317.288+/-1.014 χ^2/NDF: 607085.2/31

All: 6297.675+/-0.714 χ^2/NDF: 1182995.3/65

- sign 6278.348+/-1.006 χ^2/NDF: 575166.9/33

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 2.180+/-0.324 χ^2/NDF:58.7/15

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

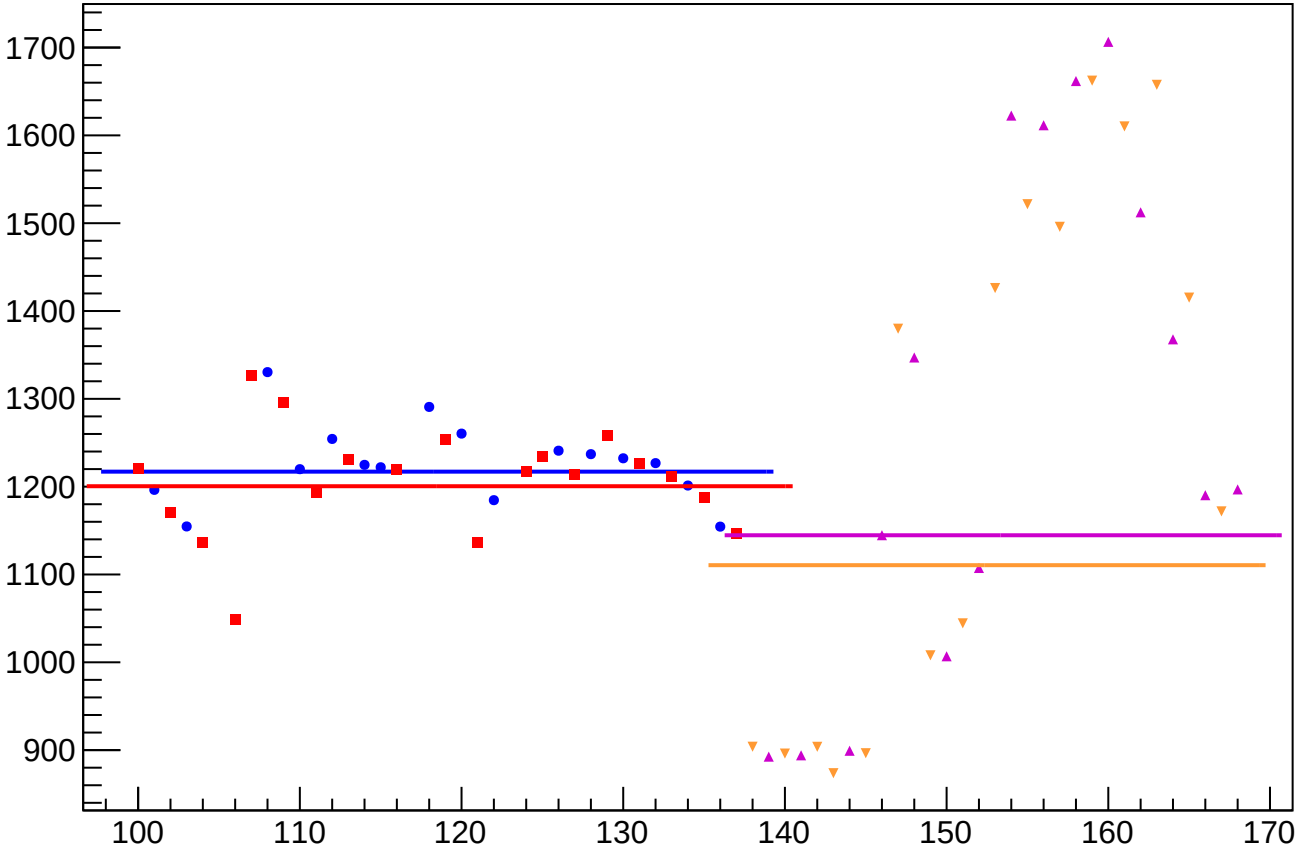
Left In: 3.066+/-0.335 χ^2/NDF:113.0/14

+ sign 0.252+/-0.263 χ^2/NDF: 208.7/31

All: 1.641+/-0.187 χ^2/NDF: 412.9/65

- sign 3.064+/-0.266 χ^2/NDF: 147.8/33

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1110.588+/-0.229 χ^2/NDF:1409517.1/15

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

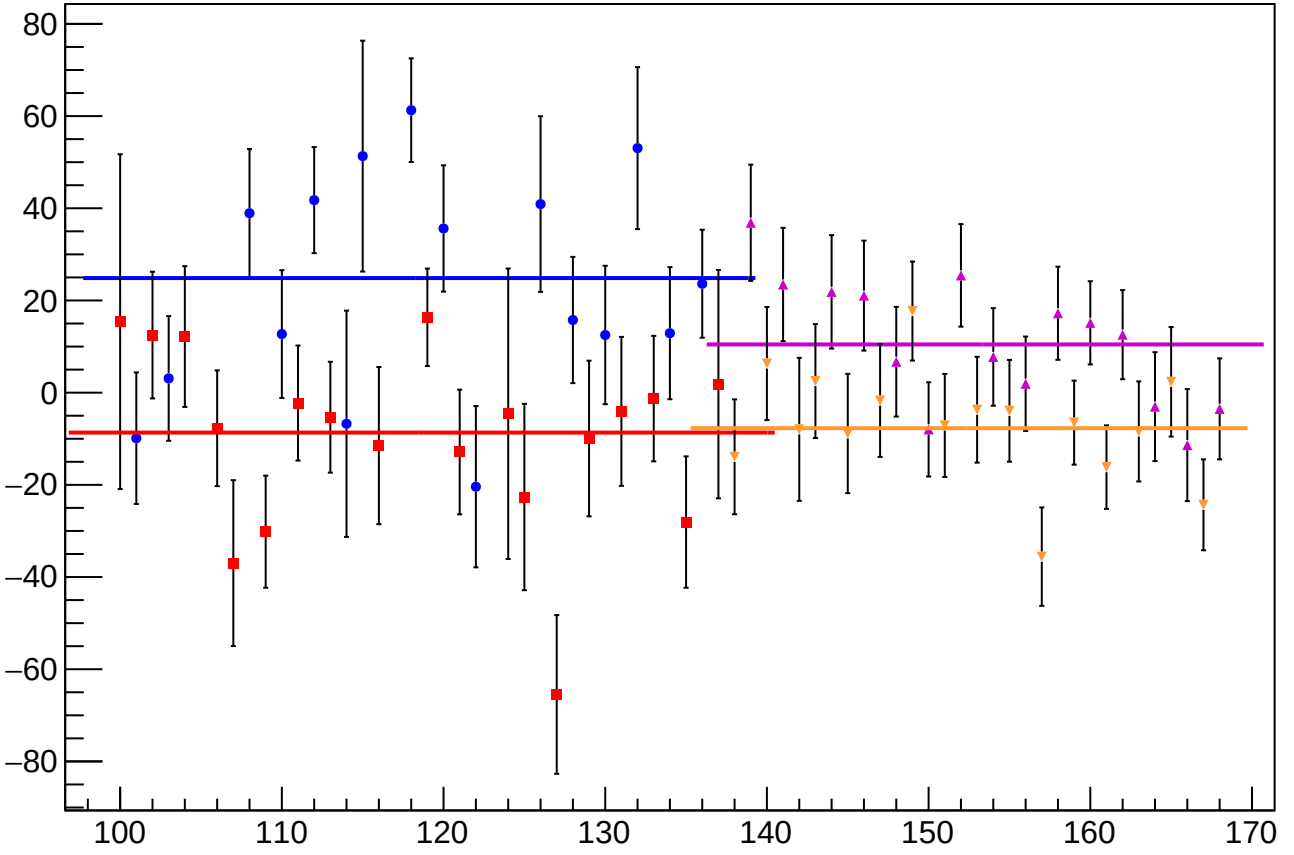
Left In: 1144.664+/-0.237 χ^2/NDF:1243228.6/14

+ sign 1146.628+/-0.186 χ^2/NDF: 1504540.8/31

All: 1155.843+/-0.132 χ^2/NDF: 2810851.9/65

- sign 1165.287+/-0.188 χ^2/NDF: 1301345.5/33

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -7.708+/-2.797 χ^2/NDF:19.6/15

Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

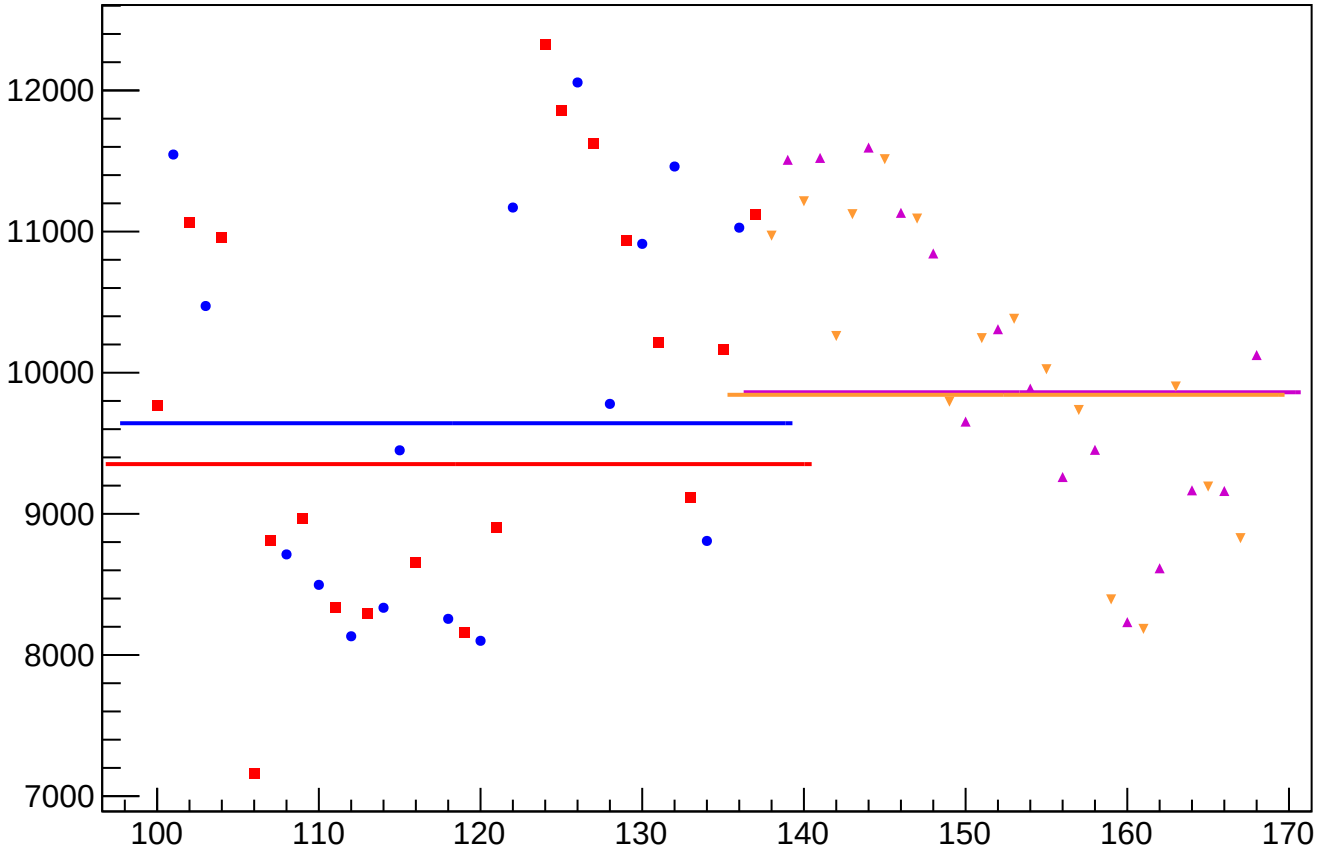
Left In: 10.462+/-2.831 χ^2/NDF:20.0/14

+ sign 4.436+/-2.215 χ^2/NDF: 108.3/31

All: 3.597+/-1.557 χ^2/NDF: 177.0/65

- sign 2.778+/-2.189 χ^2/NDF: 68.5/33

diff_bpm0l07X_rms vs Slug



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9843.573+/-1.978 χ^2/NDF:271120.5/15

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

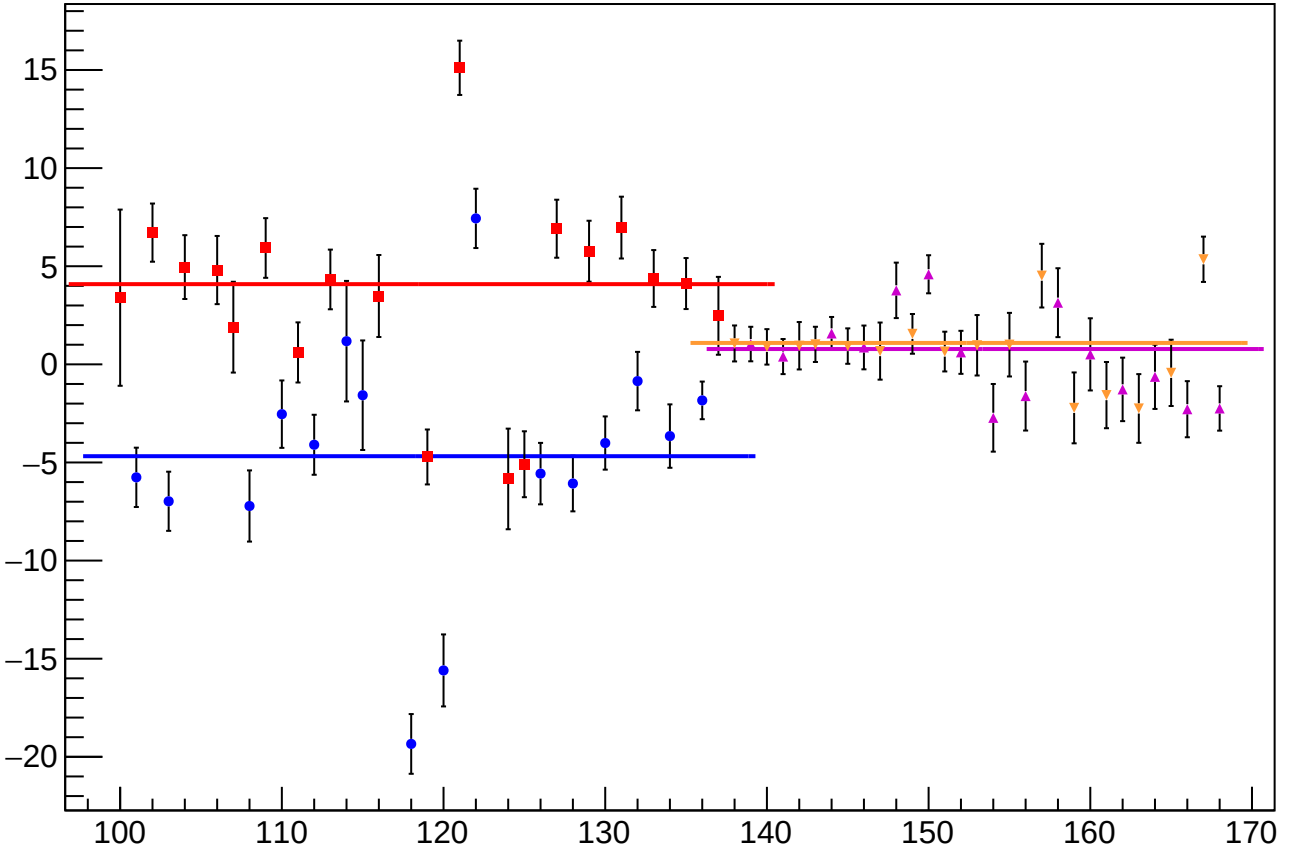
Left In: 9861.470+/-2.002 χ^2/NDF:274057.5/14

+ sign 9768.440+/-1.566 χ^2/NDF: 554647.0/31

All: 9712.030+/-1.101 χ^2/NDF: 1159027.2/65

- sign 9656.935+/-1.548 χ^2/NDF: 601817.0/33

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.092+/-0.298 χ^2/NDF:29.0/15

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

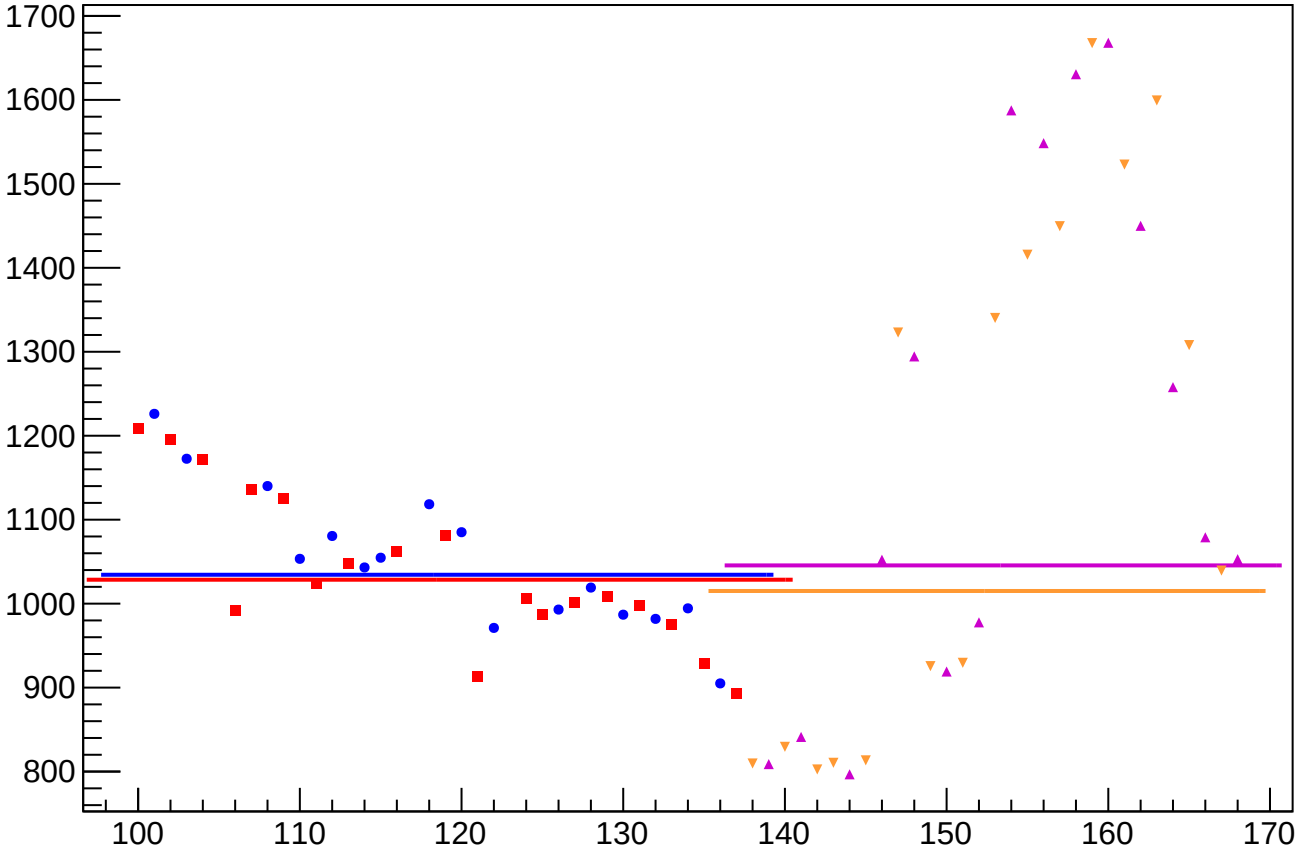
Left In: 0.780+/-0.309 χ^2/NDF:43.0/14

+ sign -1.066+/-0.236 χ^2/NDF: 390.4/31

All: 0.503+/-0.168 χ^2/NDF: 737.1/65

- sign 2.112+/-0.239 χ^2/NDF: 257.2/33

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1015.079+/-0.211 χ^2/NDF:1650907.5/15

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

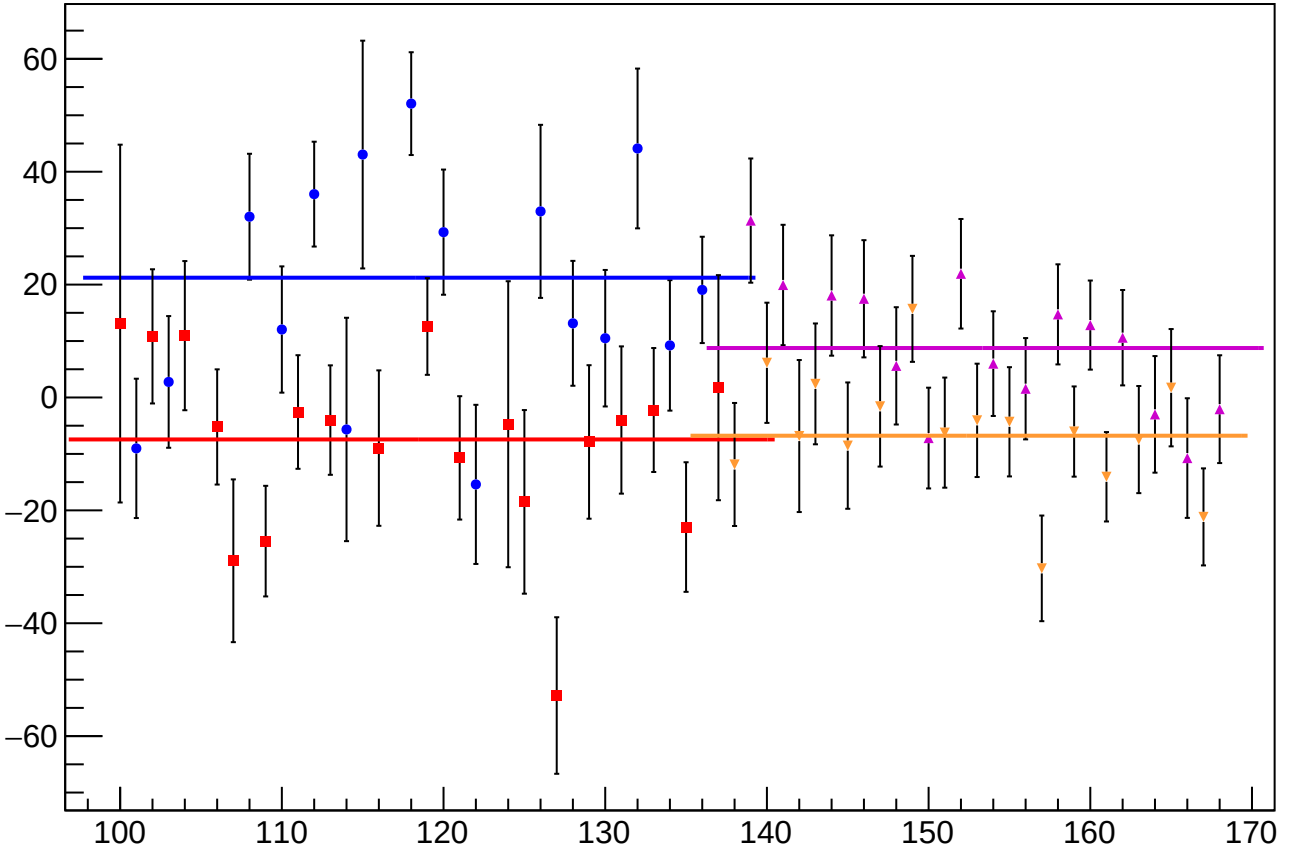
Left In: 1045.538+/-0.219 χ^2/NDF:1500939.3/14

+ sign 1022.301+/-0.167 χ^2/NDF: 1767328.5/31

All: 1030.383+/-0.119 χ^2/NDF: 3377098.0/65

- sign 1038.675+/-0.169 χ^2/NDF: 1605011.3/33

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -6.773+/-2.443 χ^2/NDF:19.2/15

Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

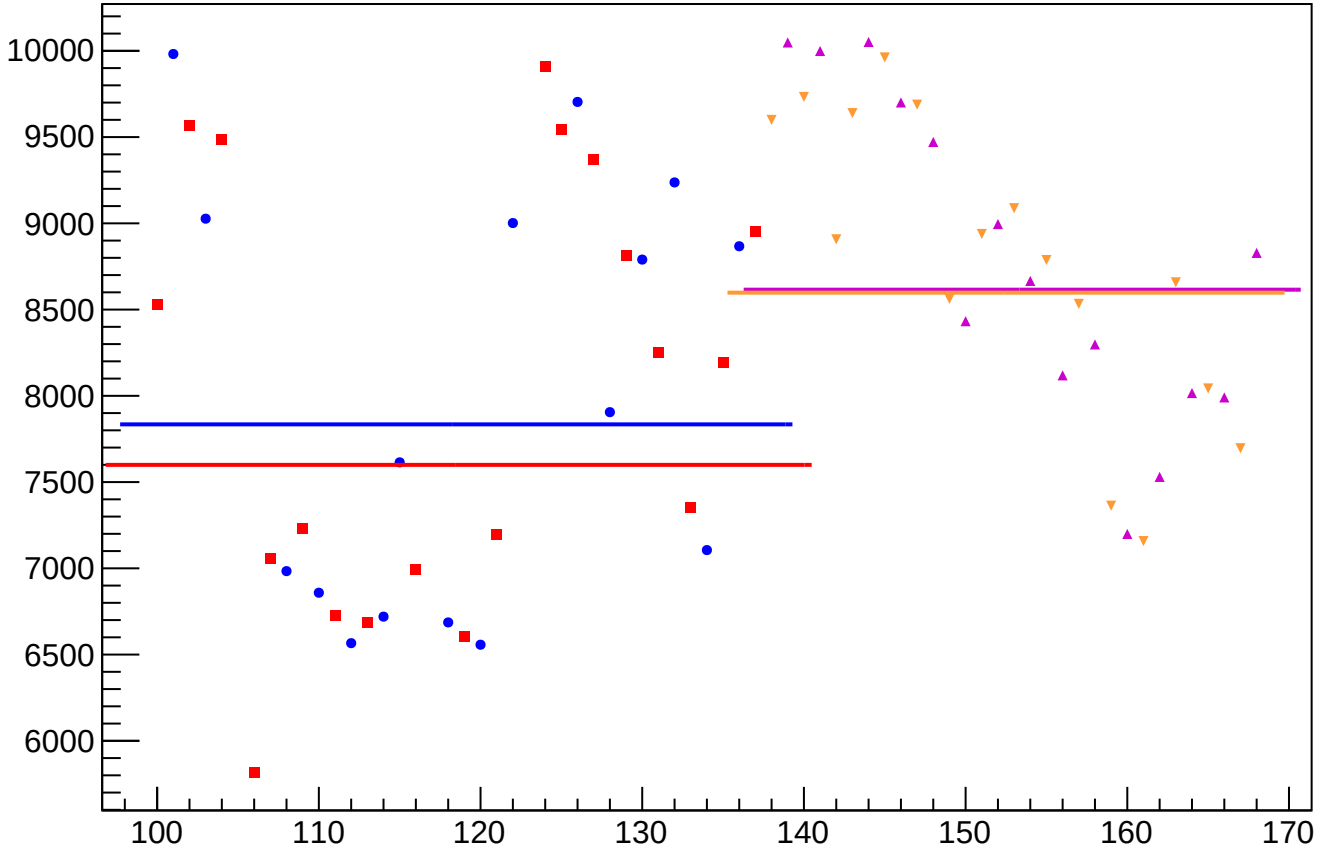
Left In: 8.763+/-2.472 χ^2/NDF:19.4/14

+ sign 4.607+/-1.882 χ^2/NDF: 112.7/31

All: 3.131+/-1.322 χ^2/NDF: 181.8/65

- sign 1.696+/-1.856 χ^2/NDF: 67.9/33

diff_bpm0l08X_rms vs Slug



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8598.119+/-1.727 χ^2/NDF:259859.9/15

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

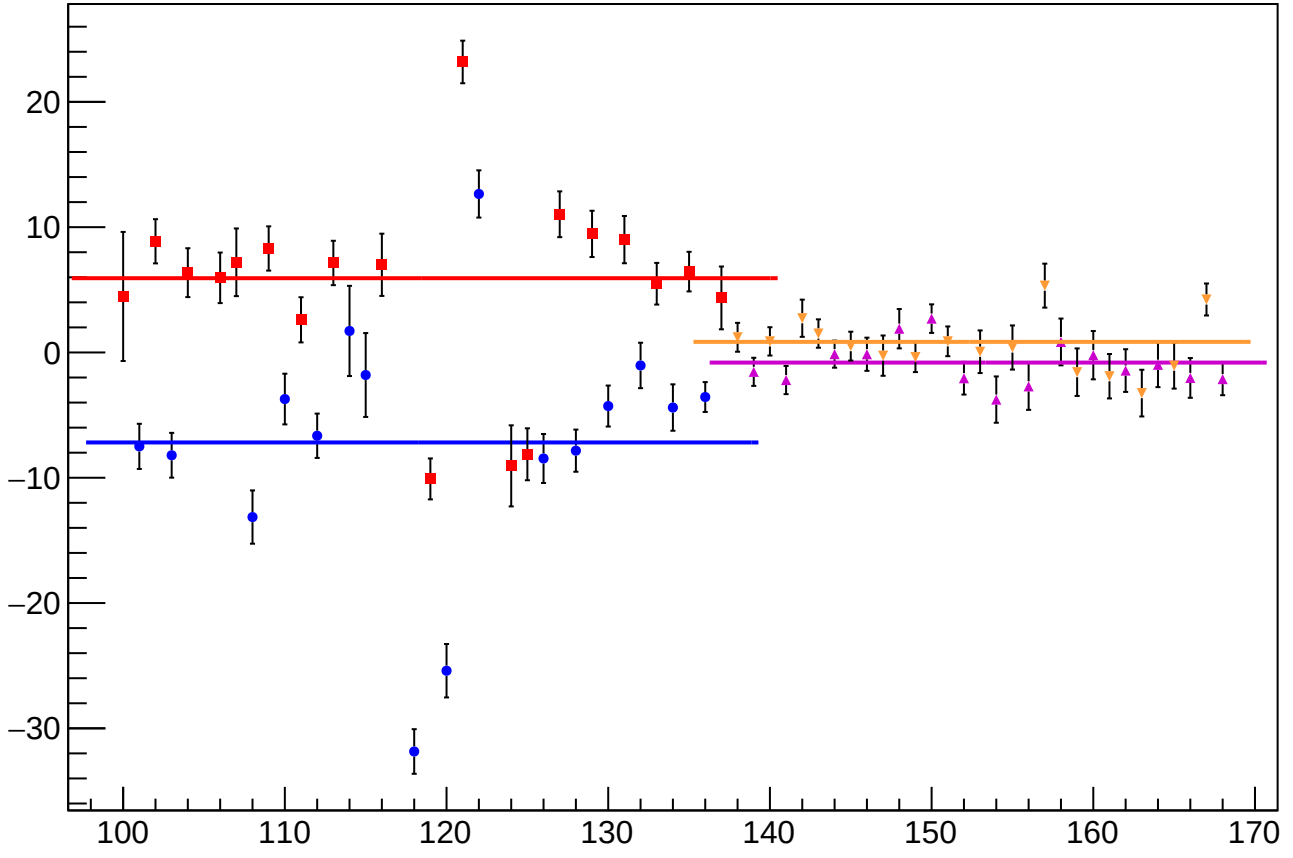
Left In: 8615.405+/-1.748 χ^2/NDF:263988.4/14

+ sign 8287.763+/-1.331 χ^2/NDF: 657364.7/31

All: 8229.225+/-0.934 χ^2/NDF: 1416720.5/65

- sign 8172.273+/-1.313 χ^2/NDF: 755538.2/33

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.846+/-0.351 χ^2/NDF:27.4/15

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

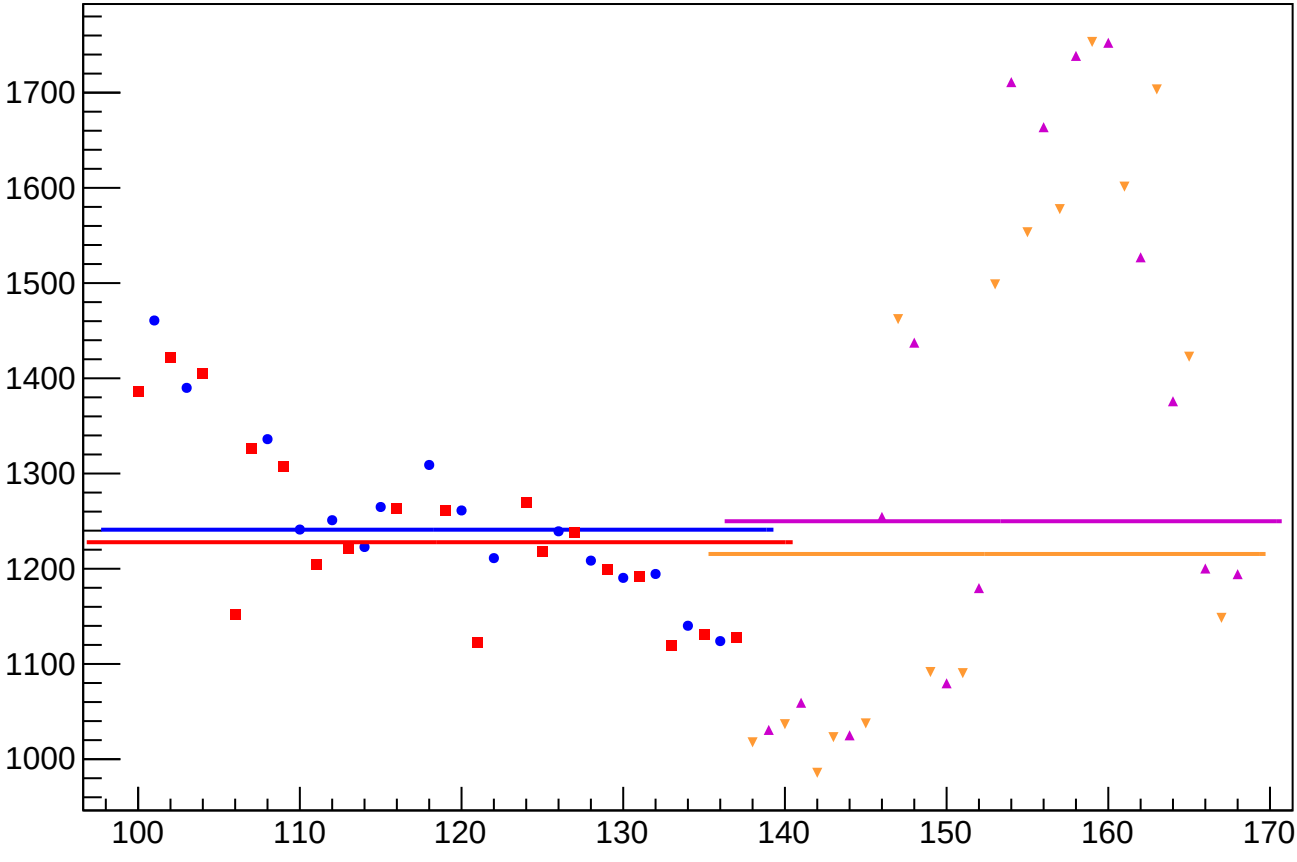
Left In: -0.808+/-0.364 χ^2/NDF:22.2/14

+ sign -2.091+/-0.280 χ^2/NDF: 640.9/31

All: -0.137+/-0.199 χ^2/NDF: 1188.0/65

- sign 1.858+/-0.283 χ^2/NDF: 448.4/33

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1215.519+/-0.248 χ^2/NDF:991028.9/15

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

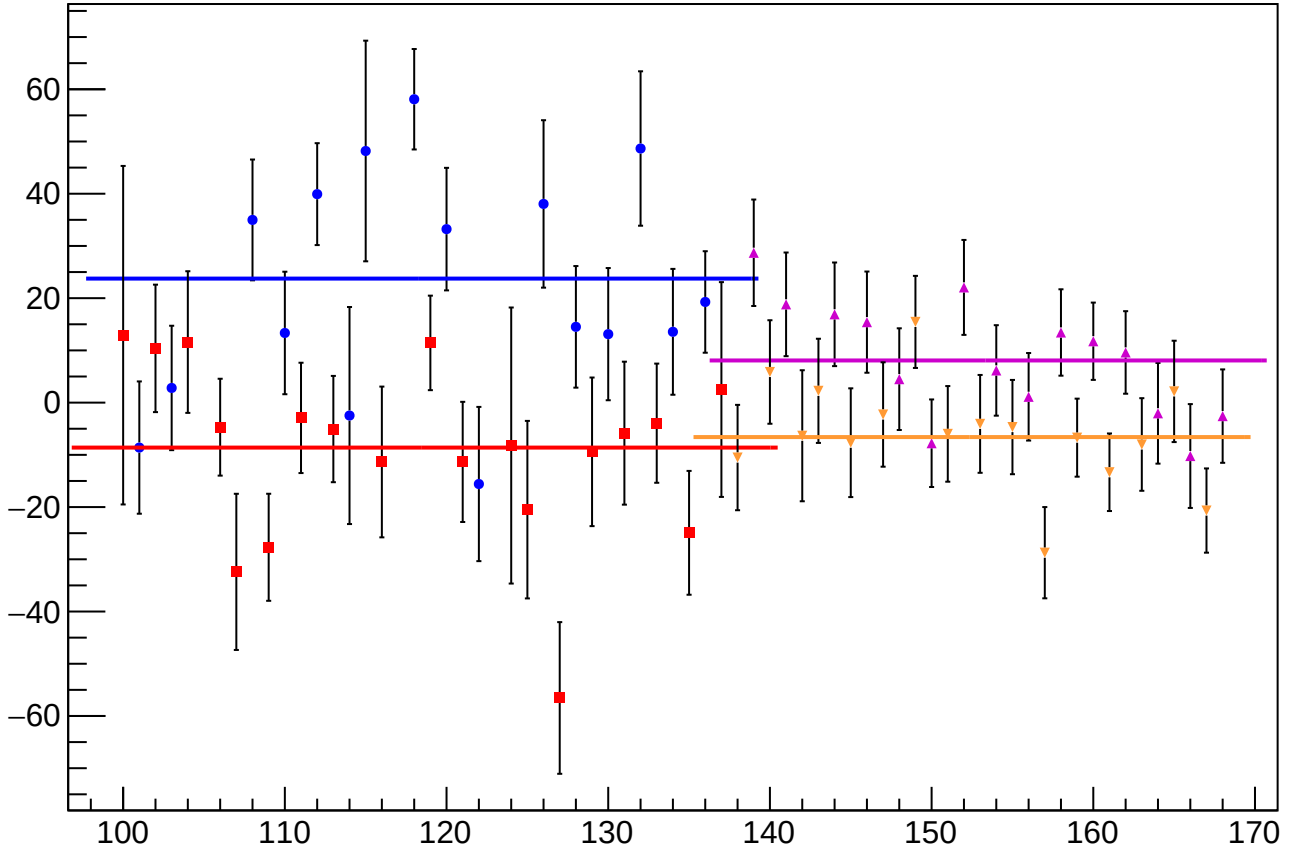
Left In: 1249.895+/-0.257 χ^2/NDF:862601.3/14

+ sign 1224.844+/-0.198 χ^2/NDF: 1075537.0/31

All: 1232.924+/-0.141 χ^2/NDF: 2026759.2/65

- sign 1241.174+/-0.200 χ^2/NDF: 947847.6/33

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -6.597+/-2.282 χ^2/NDF:20.2/15

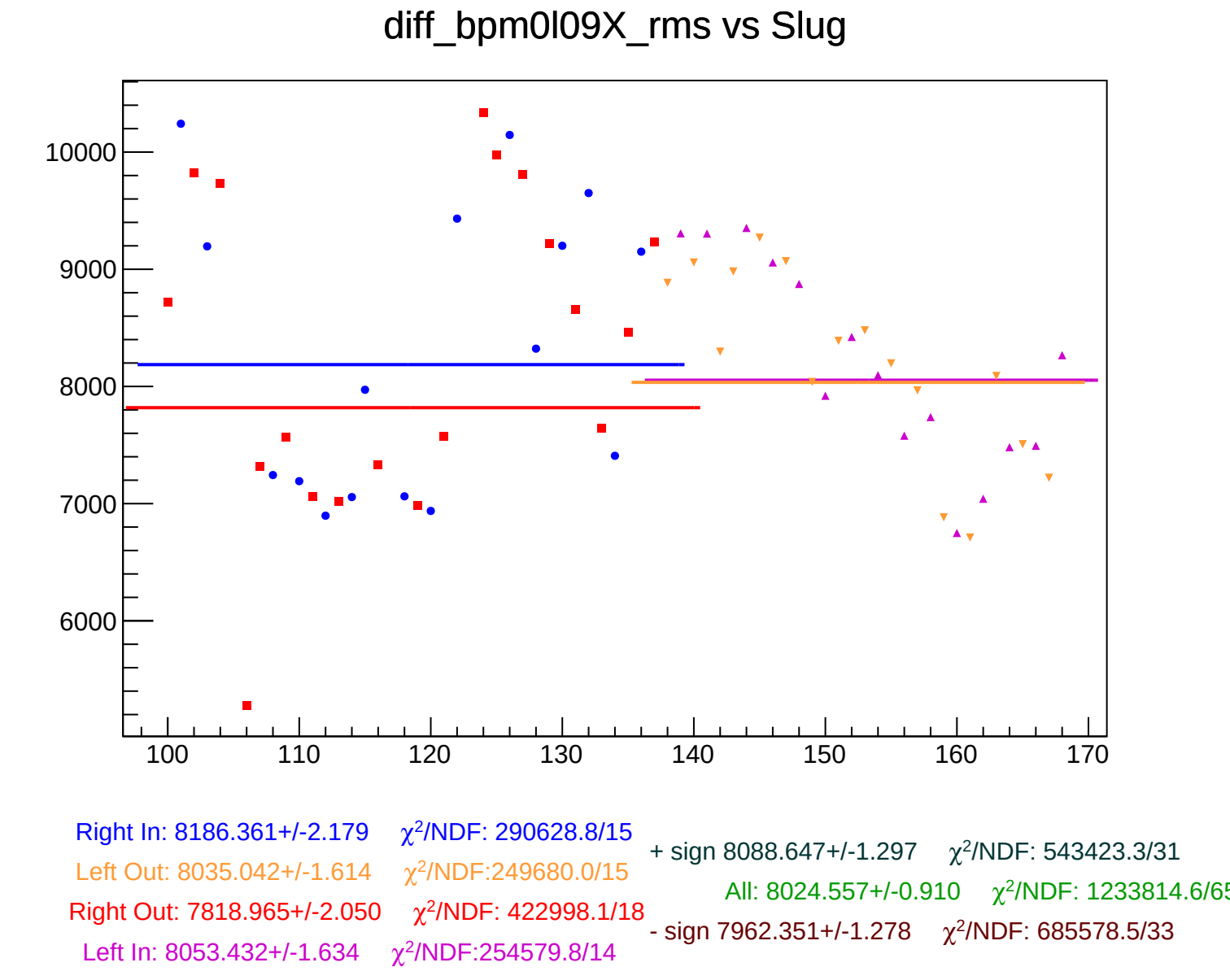
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 8.073+/-2.311 χ^2/NDF:20.1/14

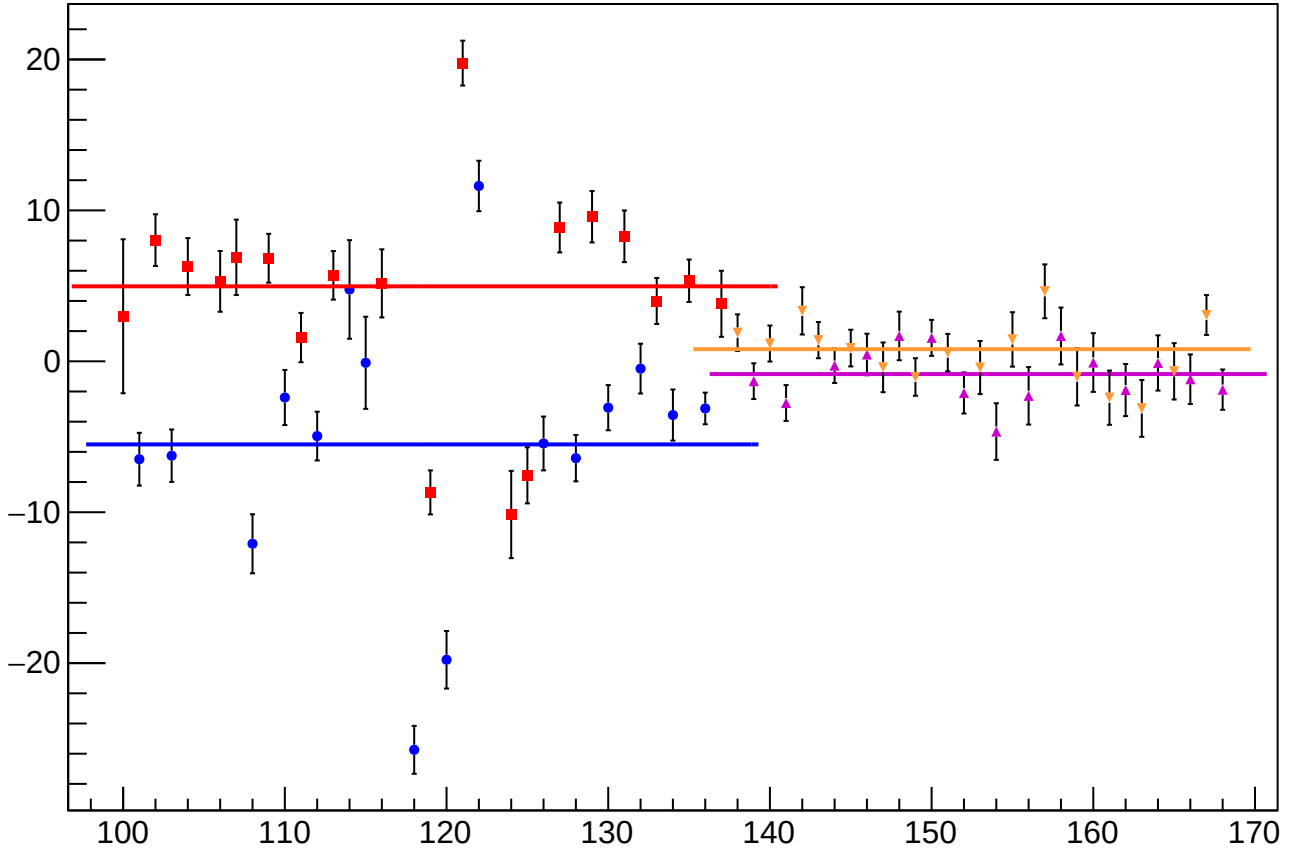
+ sign 4.153+/-1.834 χ^2/NDF: 126.3/31

All: 2.854+/-1.287 χ^2/NDF: 198.0/65

- sign 1.593+/-1.807 χ^2/NDF: 70.8/33


diff_bpm0l09X_rms vs Slug
10000
9000
8000
7000
6000
100
110
120
130
140
150
160
170
Right In: 8186.361+/-2.179 χ²/NDF: 290628.8/15
Left Out: 8035.042+/-1.614 χ²/NDF:249680.0/15
Right Out: 7818.965+/-2.050 χ²/NDF: 422998.1/18
Left In: 8053.432+/-1.634 χ²/NDF:254579.8/14
+ sign 8088.647+/-1.297 χ²/NDF: 543423.3/31
All: 8024.557+/-0.910 χ²/NDF: 1233814.6/65
- sign 7962.351+/-1.278 χ²/NDF: 685578.5/33

diff_bpm0l09Y_mean vs Slug



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.804+/-0.365 χ^2/NDF:23.8/15

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

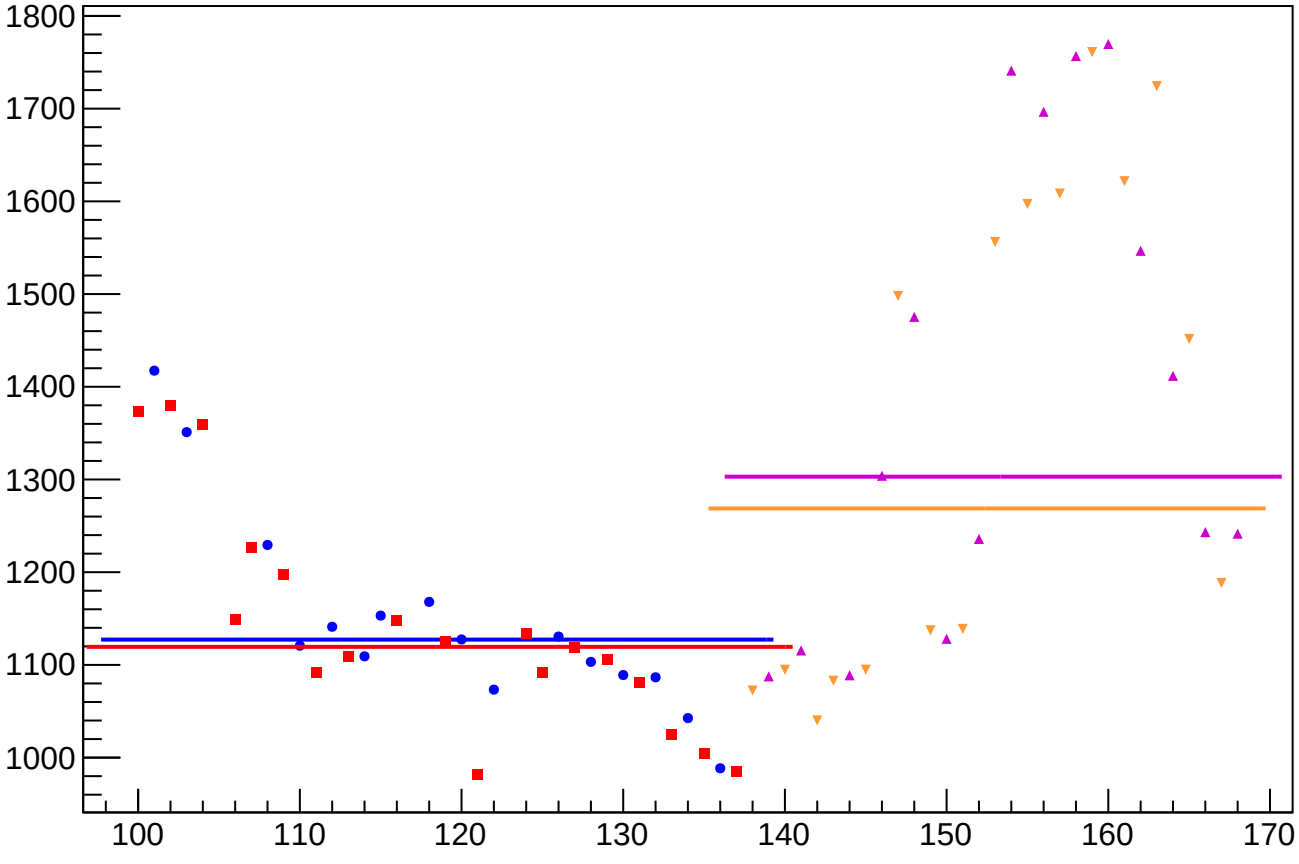
Left In: -0.846+/-0.378 χ^2/NDF:19.1/14

+ sign -1.906+/-0.276 χ^2/NDF: 521.8/31

All: -0.057+/-0.196 χ^2/NDF: 1027.5/65

- sign 1.820+/-0.278 χ^2/NDF: 415.1/33

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1268.749+/-0.258 χ^2/NDF:855961.9/15

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

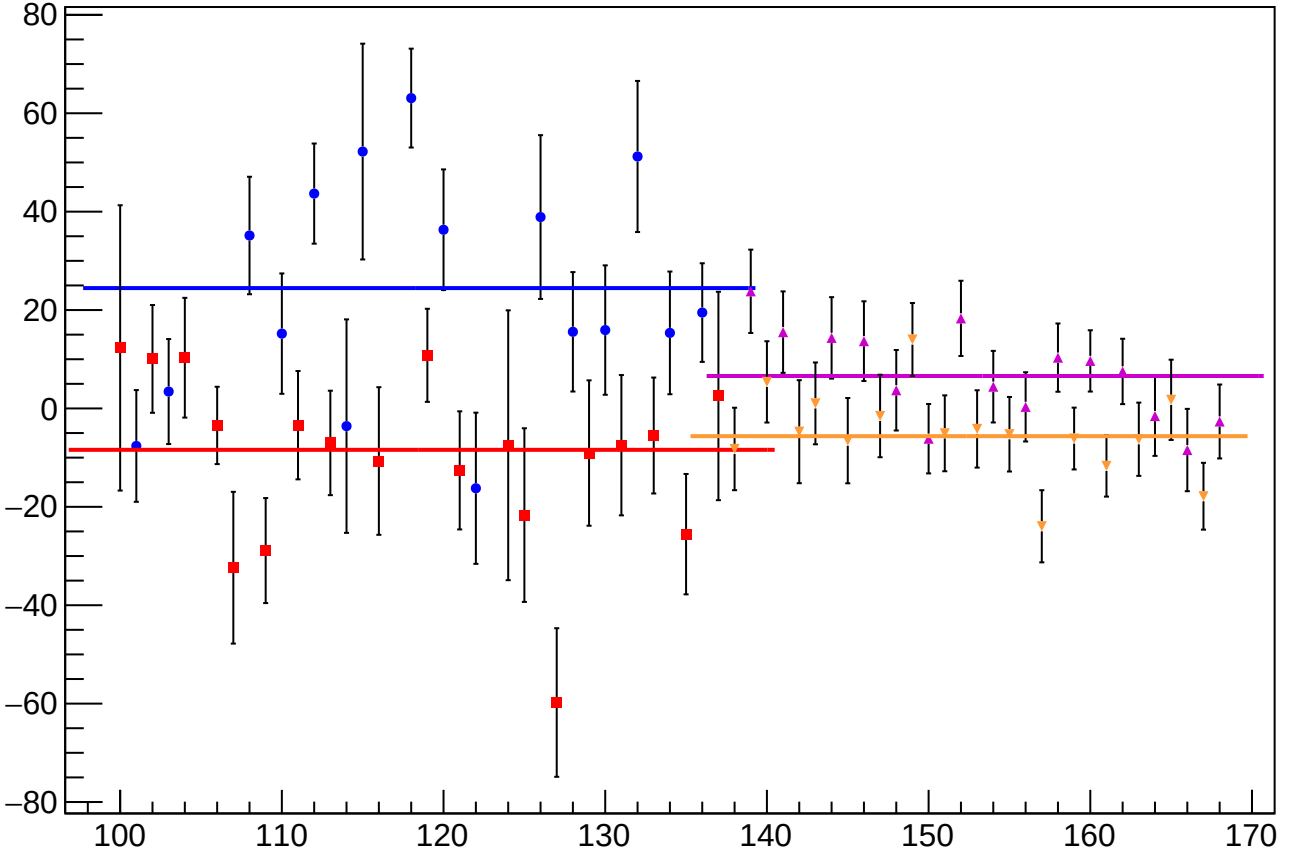
Left In: 1303.041+/-0.267 χ^2/NDF:736002.9/14

+ sign 1207.989+/-0.195 χ^2/NDF: 1125469.3/31

All: 1213.384+/-0.138 χ^2/NDF: 2220452.6/65

- sign 1218.859+/-0.196 χ^2/NDF: 1093441.6/33

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -5.637+/-1.914 χ^2/NDF:21.1/15

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

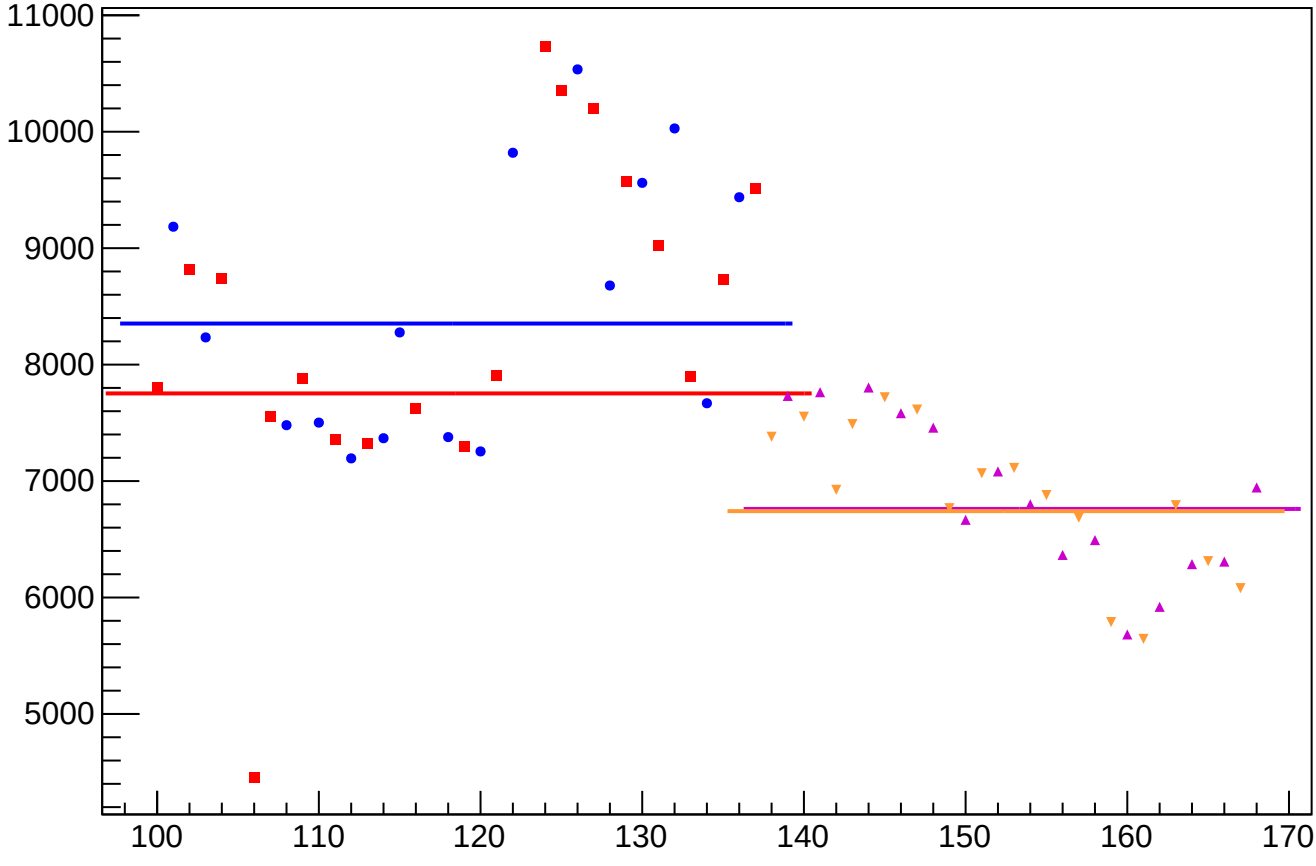
Left In: 6.592+/-1.939 χ^2/NDF:19.9/14

+ sign 2.533+/-1.634 χ^2/NDF: 136.5/31

All: 2.231+/-1.147 χ^2/NDF: 206.1/65

- sign 1.937+/-1.610 χ^2/NDF: 69.6/33

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6741.913+/-1.354 χ^2/NDF:235792.0/15

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

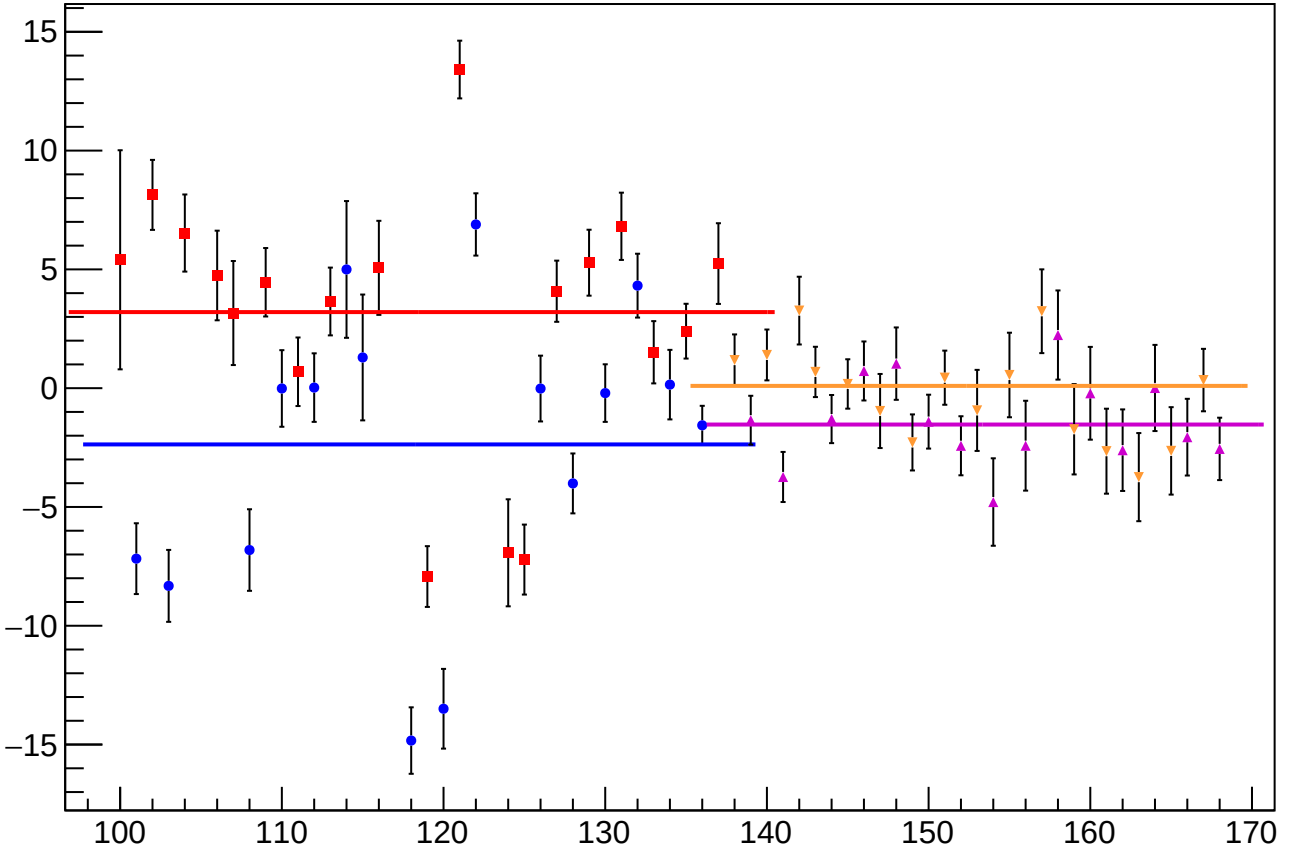
Left In: 6760.615+/-1.371 χ^2/NDF:241506.1/14

+ sign 7179.177+/-1.155 χ^2/NDF: 840623.5/31

All: 7122.983+/-0.811 χ^2/NDF: 1837312.3/65

- sign 7068.406+/-1.139 χ^2/NDF: 992025.7/33

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.096+/-0.340 χ^2/NDF:25.8/15

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

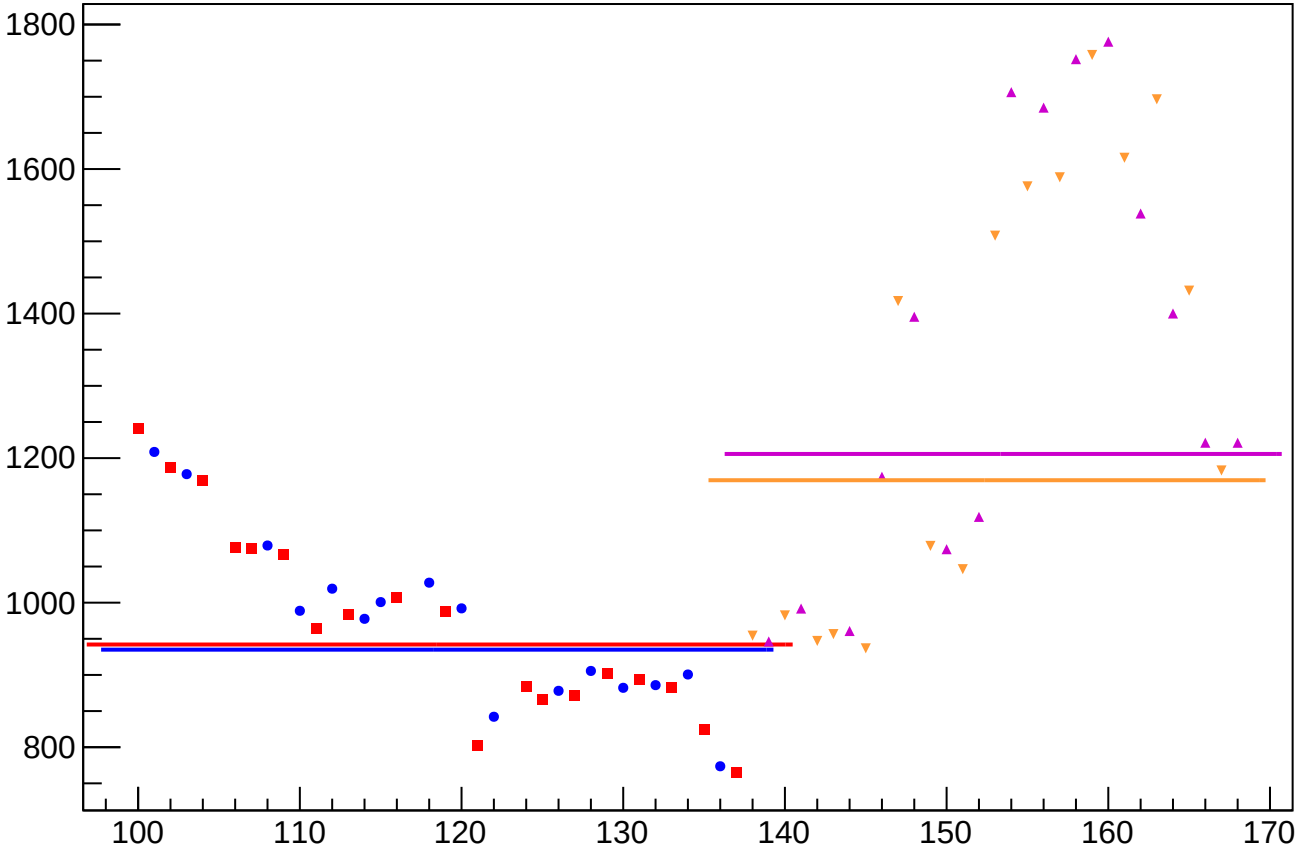
Left In: -1.531+/-0.352 χ^2/NDF:20.8/14

+ sign -1.097+/-0.244 χ^2/NDF: 306.9/31

All: -0.123+/-0.174 χ^2/NDF: 702.3/65

- sign 0.877+/-0.247 χ^2/NDF: 363.1/33

diff_bpm0l10Y_rms vs Slug



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1169.422+/-0.240 χ^2/NDF:1270077.7/15

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

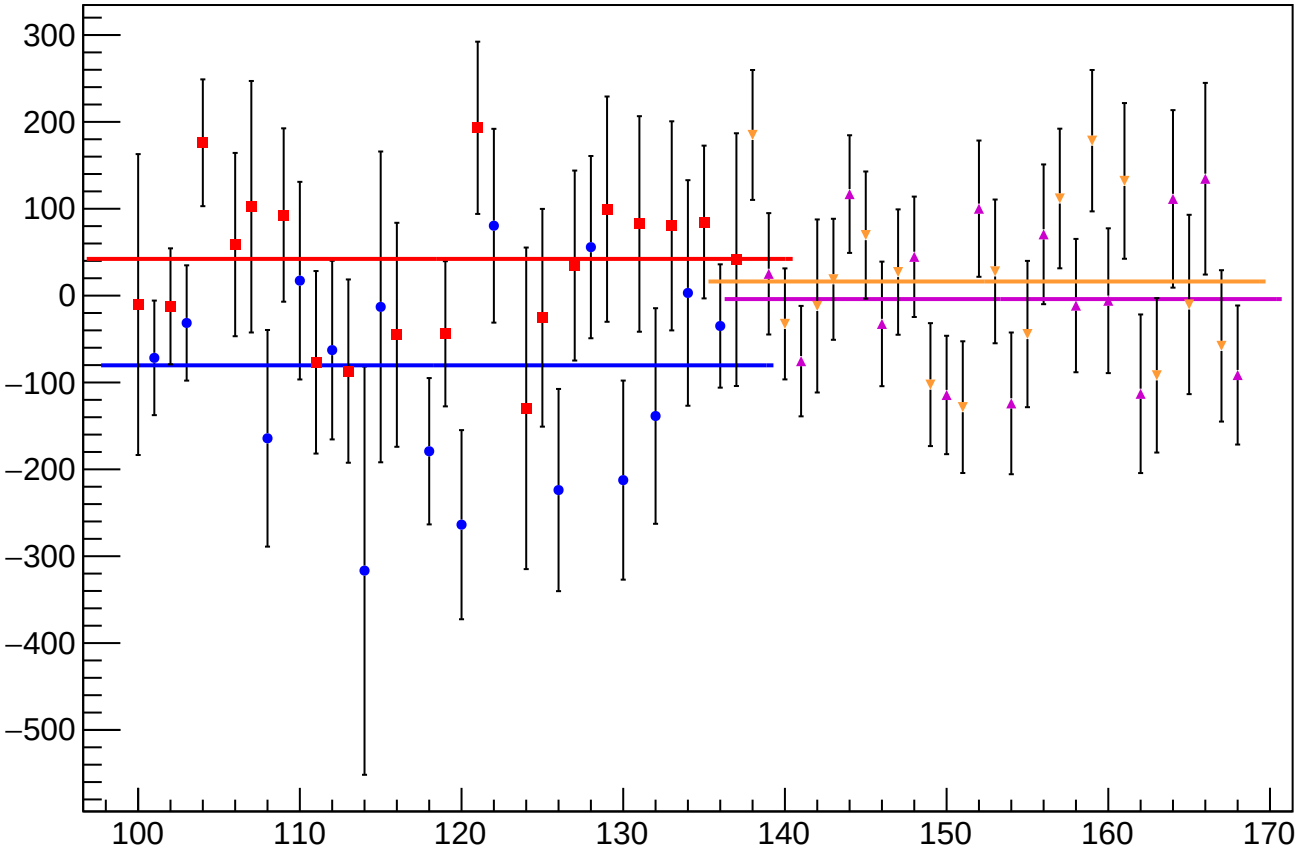
Left In: 1205.769+/-0.249 χ^2/NDF:1110795.5/14

+ sign 1055.901+/-0.172 χ^2/NDF: 1986120.5/31

All: 1063.671+/-0.123 χ^2/NDF: 3902933.3/65

- sign 1071.644+/-0.175 χ^2/NDF: 1912698.7/33

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 16.267+/-19.795 χ^2/NDF:22.6/15

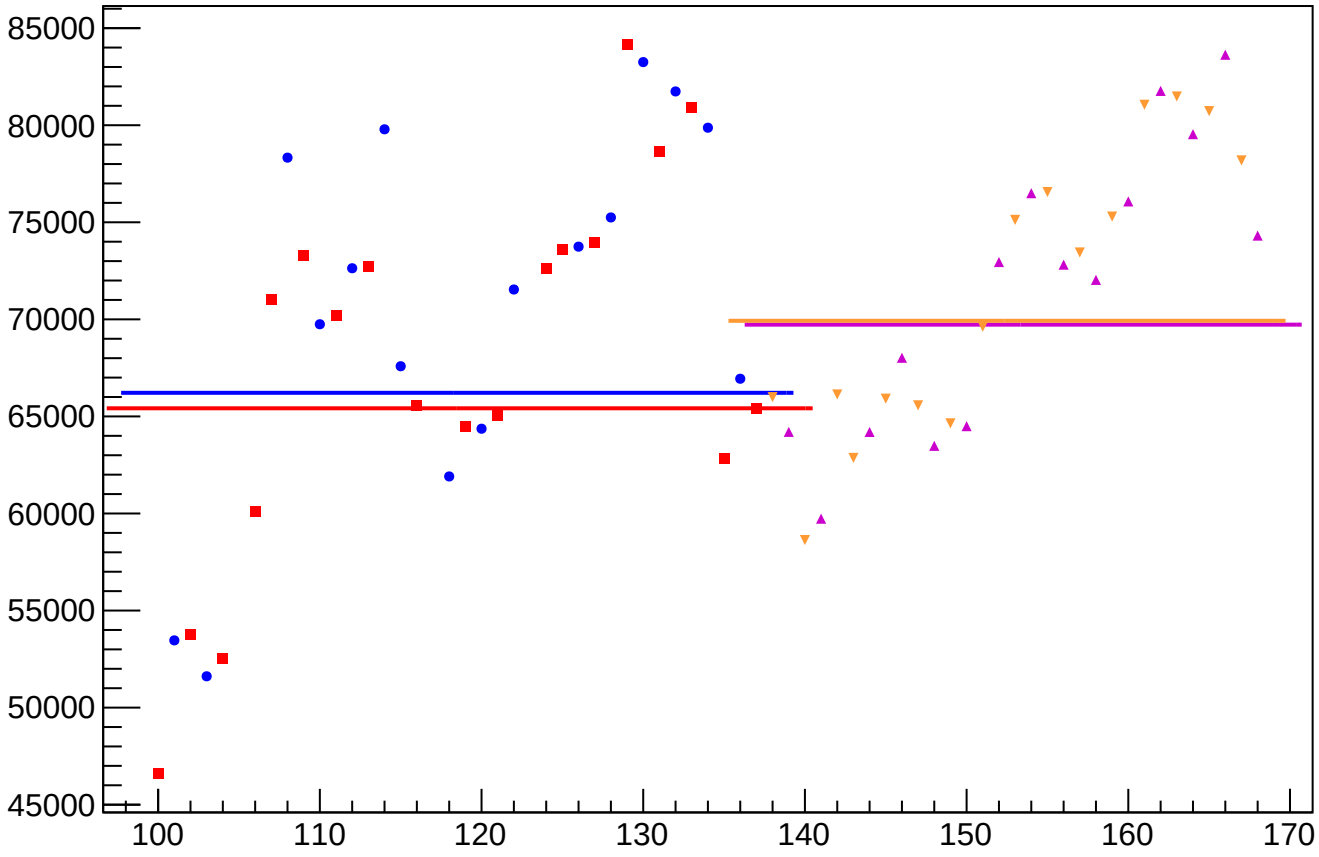
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -3.981+/-19.907 χ^2/NDF:18.2/14

\+ sign -21.093+/-15.497 χ^2/NDF: 46.6/31

All: -3.020+/-10.909 χ^2/NDF: 82.6/65

\- sign 14.733+/-15.359 χ^2/NDF: 33.3/33



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 69925.933+/-13.997 χ^2/NDF:253257.0/15

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

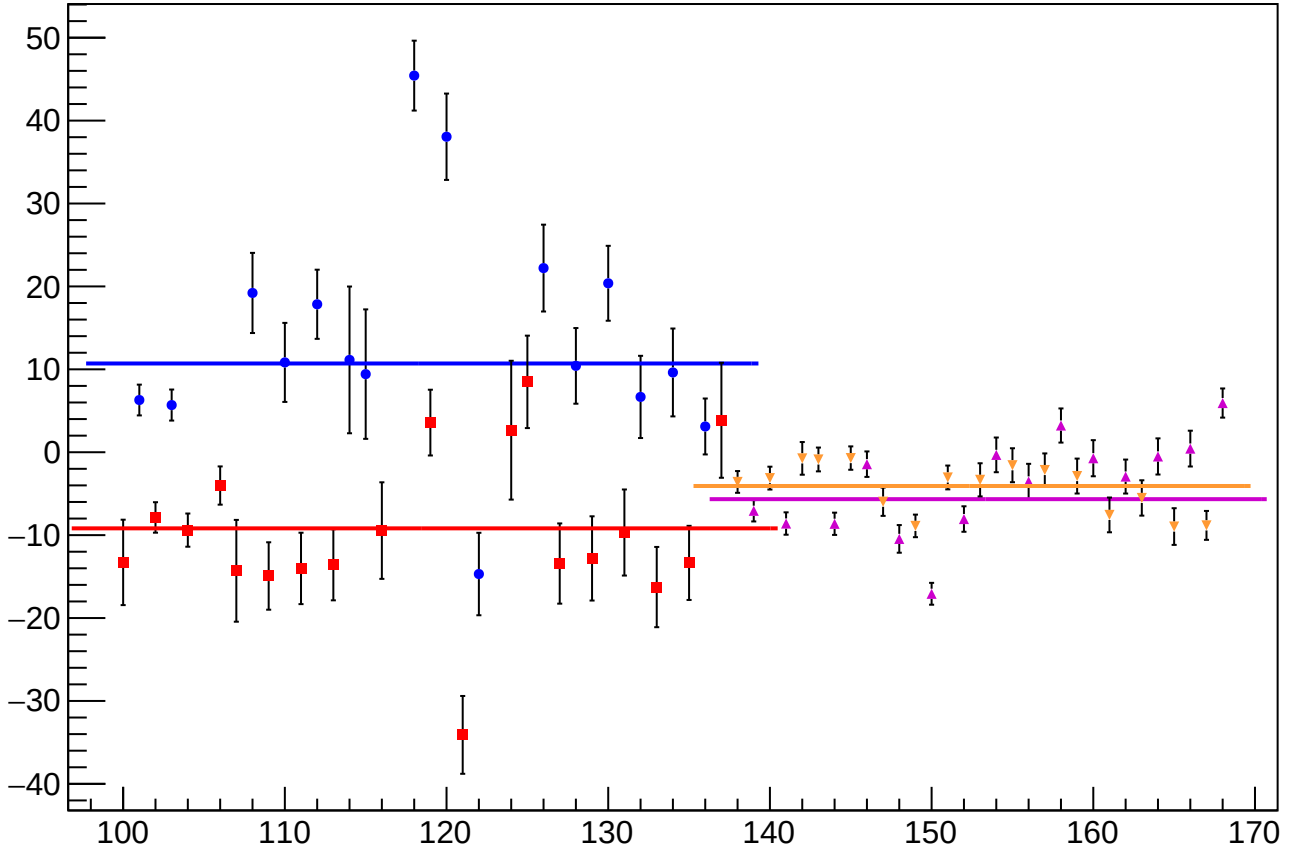
Left In: 69727.218+/-14.076 χ^2/NDF:229454.3/14

+ sign 68489.948+/-10.958 χ^2/NDF: 618825.9/31

All: 68234.496+/-7.714 χ^2/NDF: 1191830.2/6

- sign 67983.566+/-10.861 χ^2/NDF: 571927.1/33

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -4.073+/-0.420 χ^2/NDF:46.8/15

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

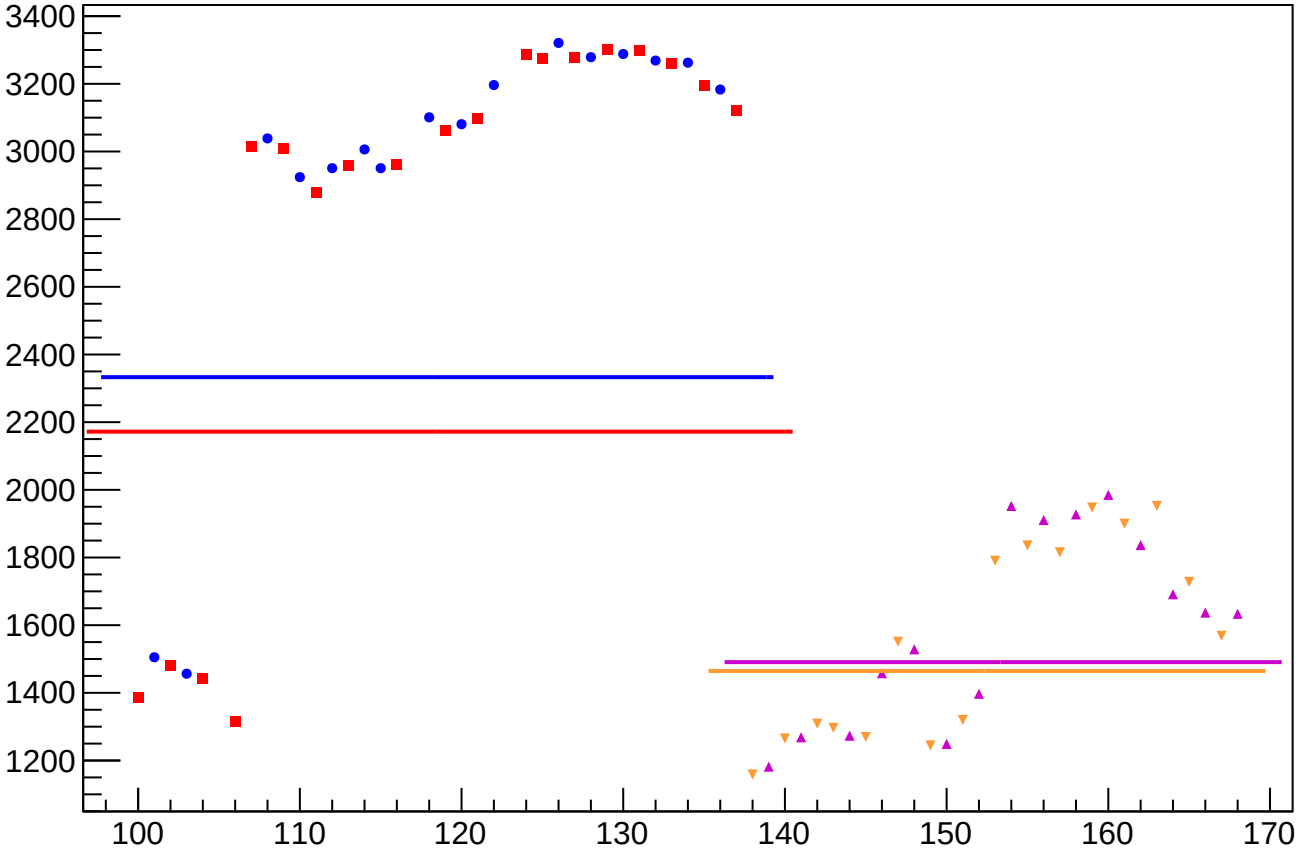
Left In: -5.660+/-0.432 χ^2/NDF:194.0/14

+ sign -1.524+/-0.382 χ^2/NDF: 415.6/31

All: -3.937+/-0.271 χ^2/NDF: 773.0/65

- sign -6.382+/-0.385 χ^2/NDF: 277.2/33

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1464.505+/-0.297 χ^2/NDF:817824.6/15

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

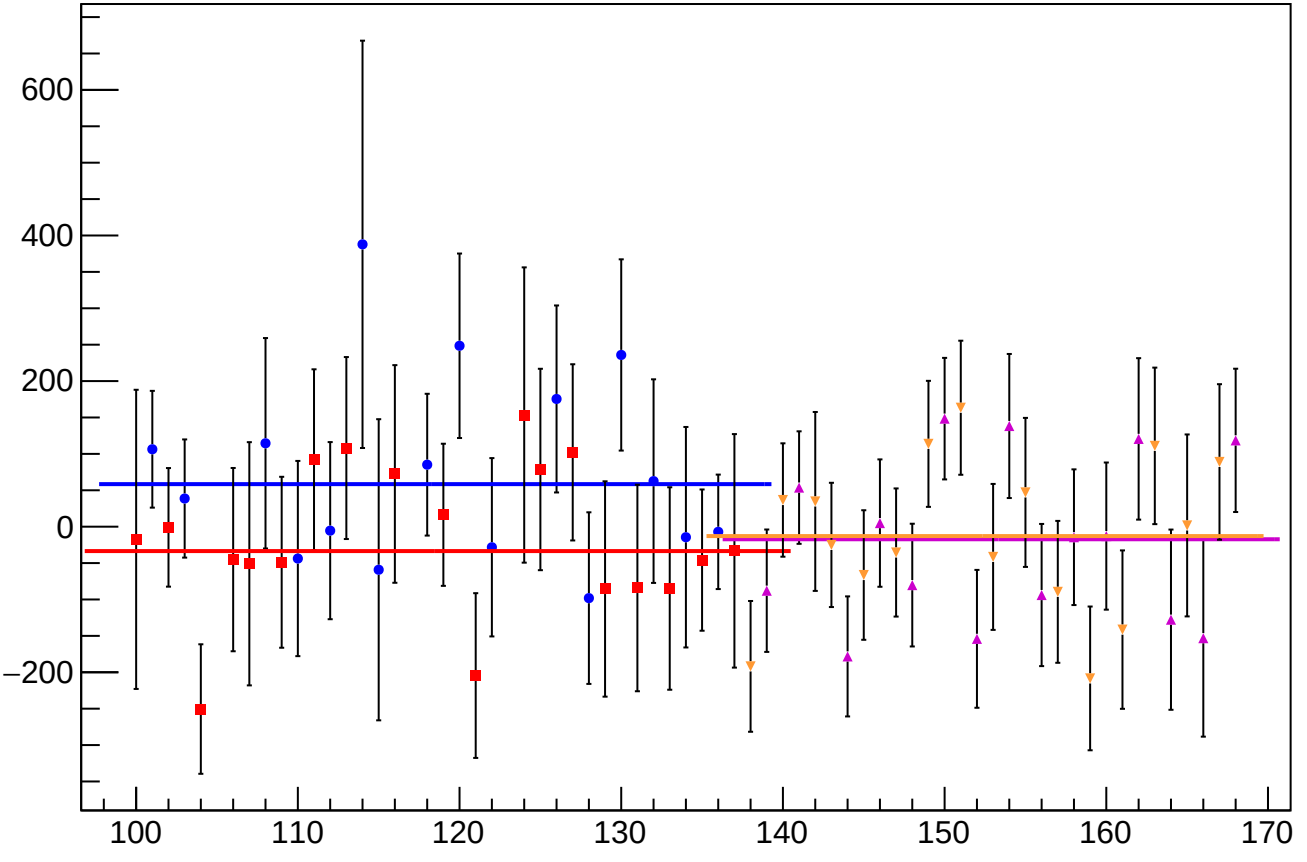
Left In: 1490.776+/-0.305 χ^2/NDF:762680.3/14

+ sign 1614.279+/-0.270 χ^2/NDF: 3942515.4/31

All: 1622.254+/-0.192 χ^2/NDF: 7712405.1/65

- sign 1630.333+/-0.272 χ^2/NDF: 3768137.5/33

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -12.922+/-24.080 χ^2/NDF:19.4/15

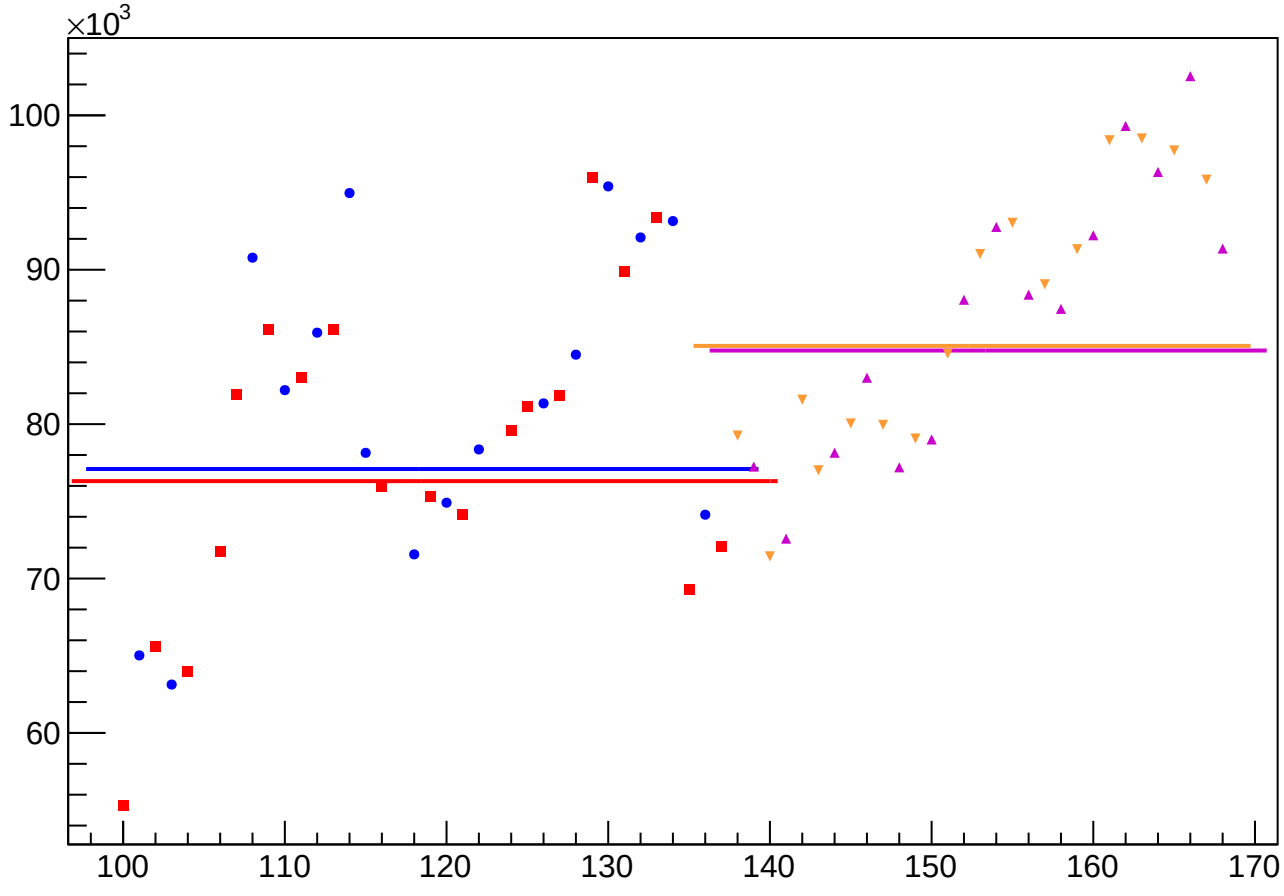
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -17.287+/-24.205 χ^2/NDF:20.4/14

+ sign 16.302+/-18.505 χ^2/NDF: 34.3/31

All: -4.129+/-13.026 χ^2/NDF: 71.9/65

- sign -24.200+/-18.341 χ^2/NDF: 35.2/33



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 85067.130+/-17.027 χ^2/NDF:244468.3/15

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

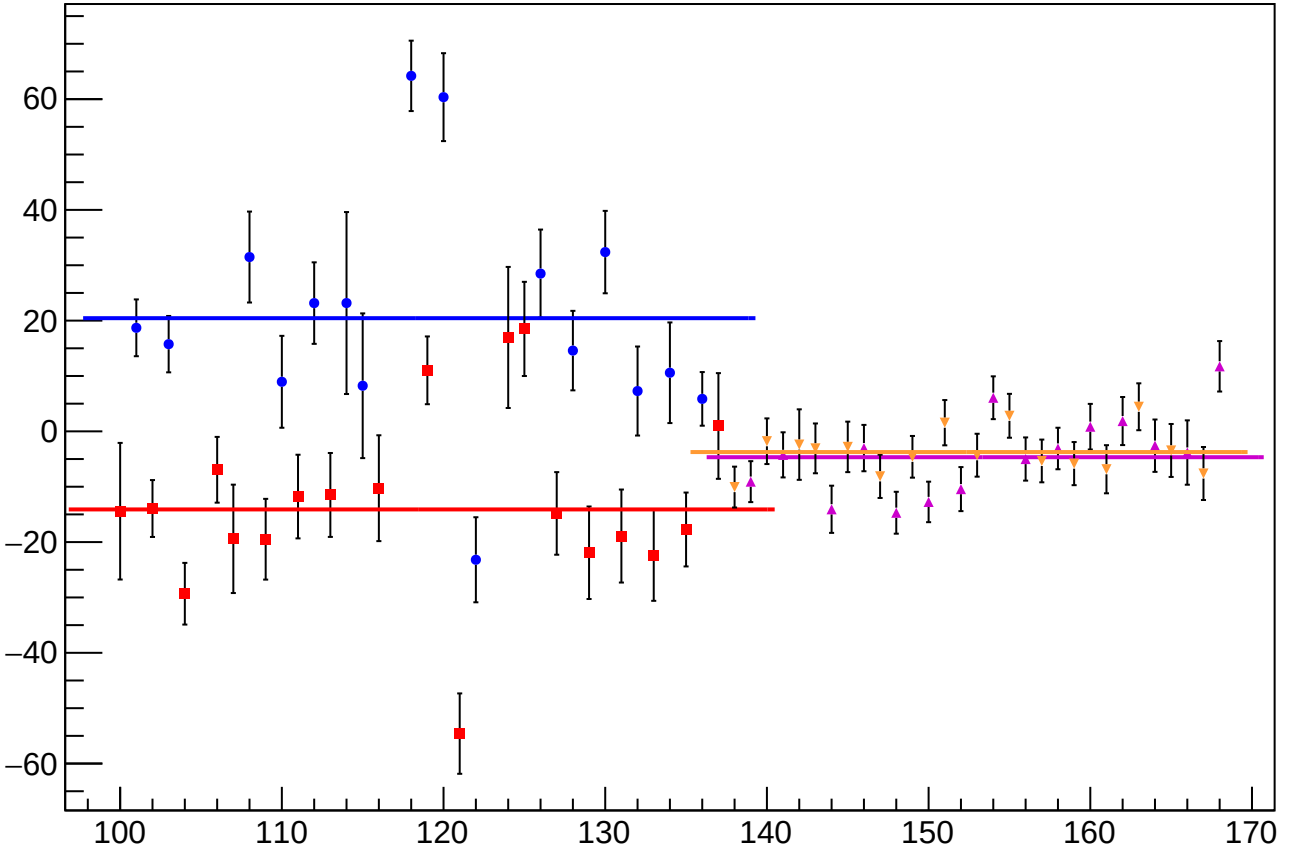
Left In: 84766.963+/-17.115 χ^2/NDF:231223.4/14

+ sign 81801.933+/-13.085 χ^2/NDF: 582814.5/31

All: 81480.676+/-9.211 χ^2/NDF: 1153667.0/6

- sign 81165.082+/-12.969 χ^2/NDF: 569657.6/33

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.739+/-1.049 χ^2/NDF:14.4/15

Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

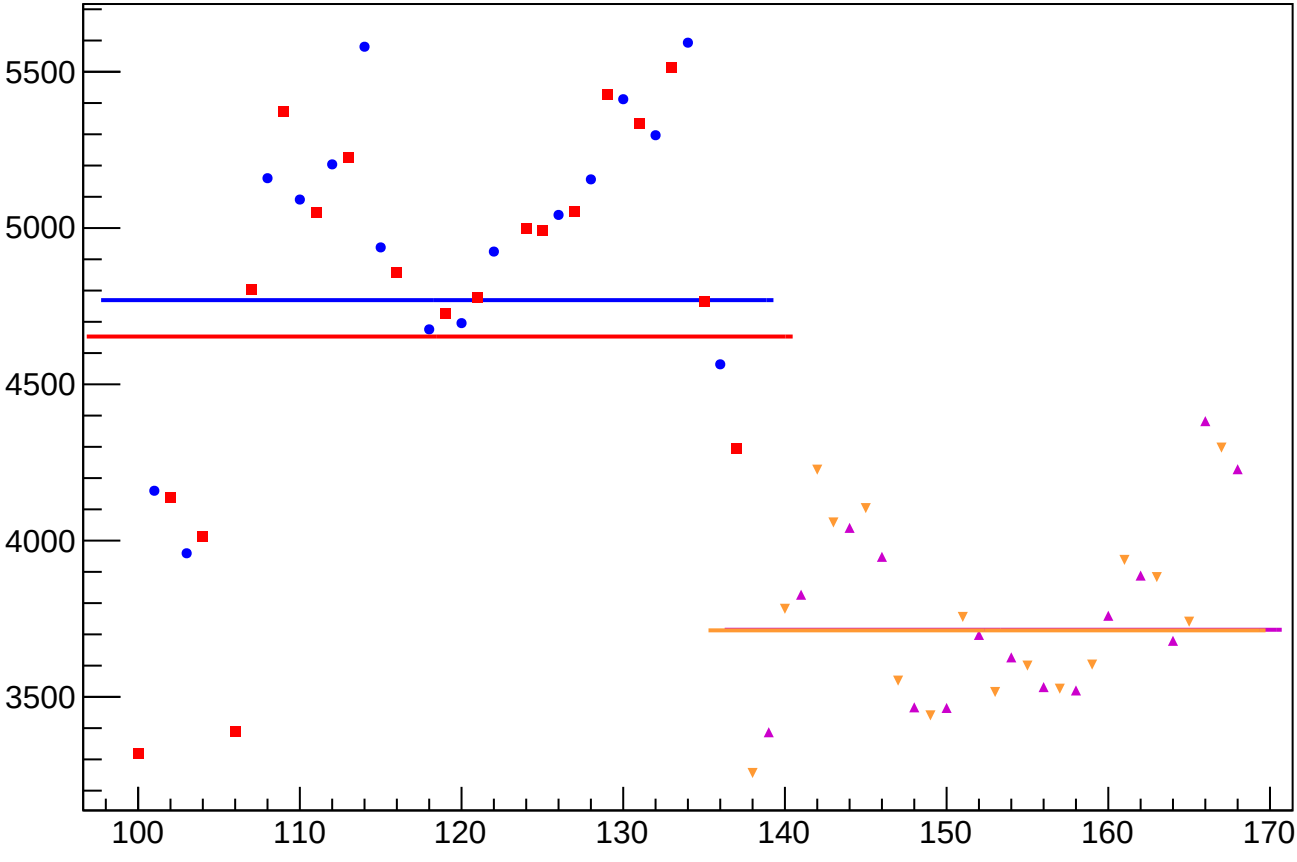
Left In: -4.669+/-1.059 χ^2/NDF:45.6/14

+ sign 2.480+/-0.904 χ^2/NDF: 279.0/31

All: -2.413+/-0.638 χ^2/NDF: 488.7/65

- sign -7.277+/-0.901 χ^2/NDF: 151.3/33

diff_bpm0r05Y_rms vs Slug



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3712.855+/-0.741 χ^2/NDF:136279.1/15

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

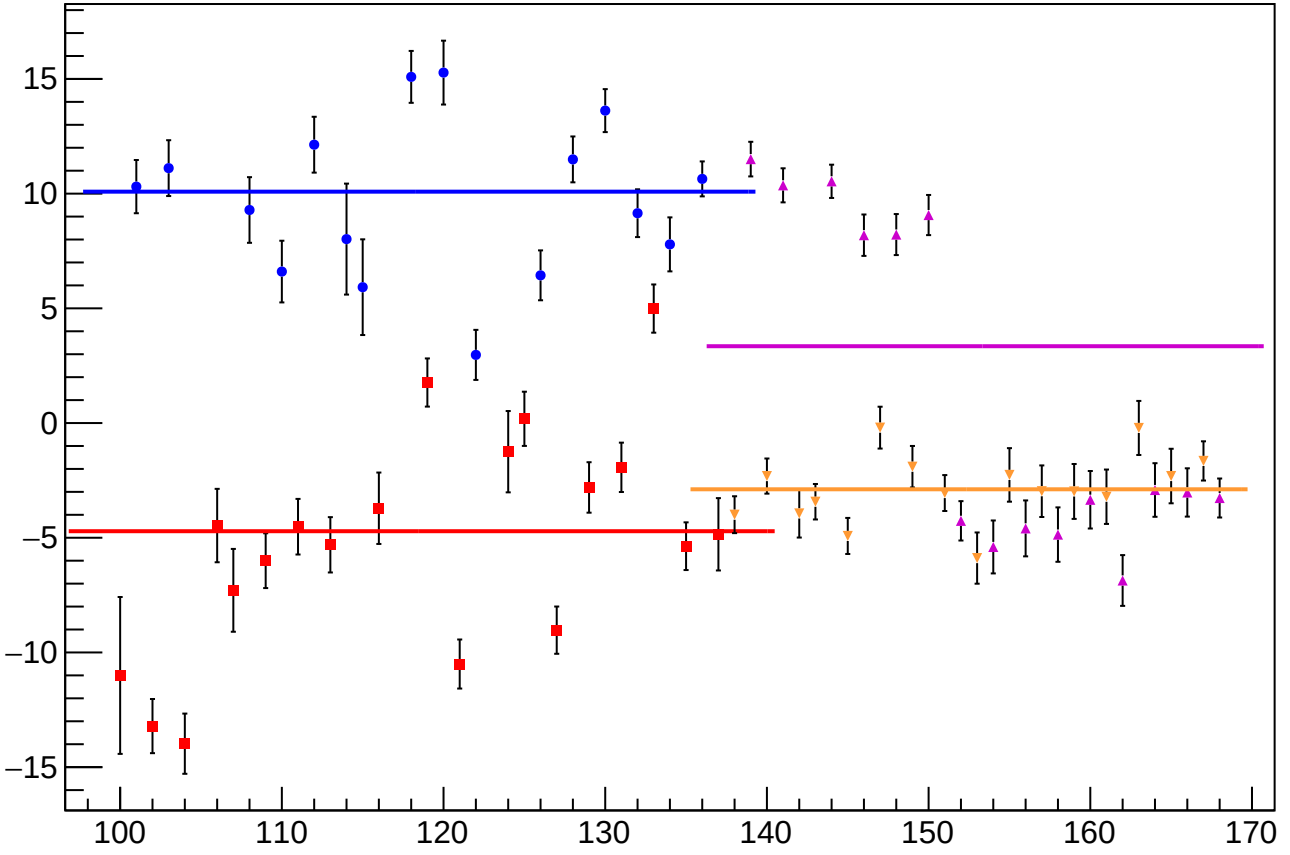
Left In: 3714.762+/-0.749 χ^2/NDF:119286.3/14

+ sign 3984.574+/-0.639 χ^2/NDF: 810198.3/31

All: 3979.318+/-0.451 χ^2/NDF: 1628507.6/65

- sign 3974.094+/-0.637 χ^2/NDF: 818174.5/33

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -2.888+/-0.235 χ^2/NDF:35.6/15

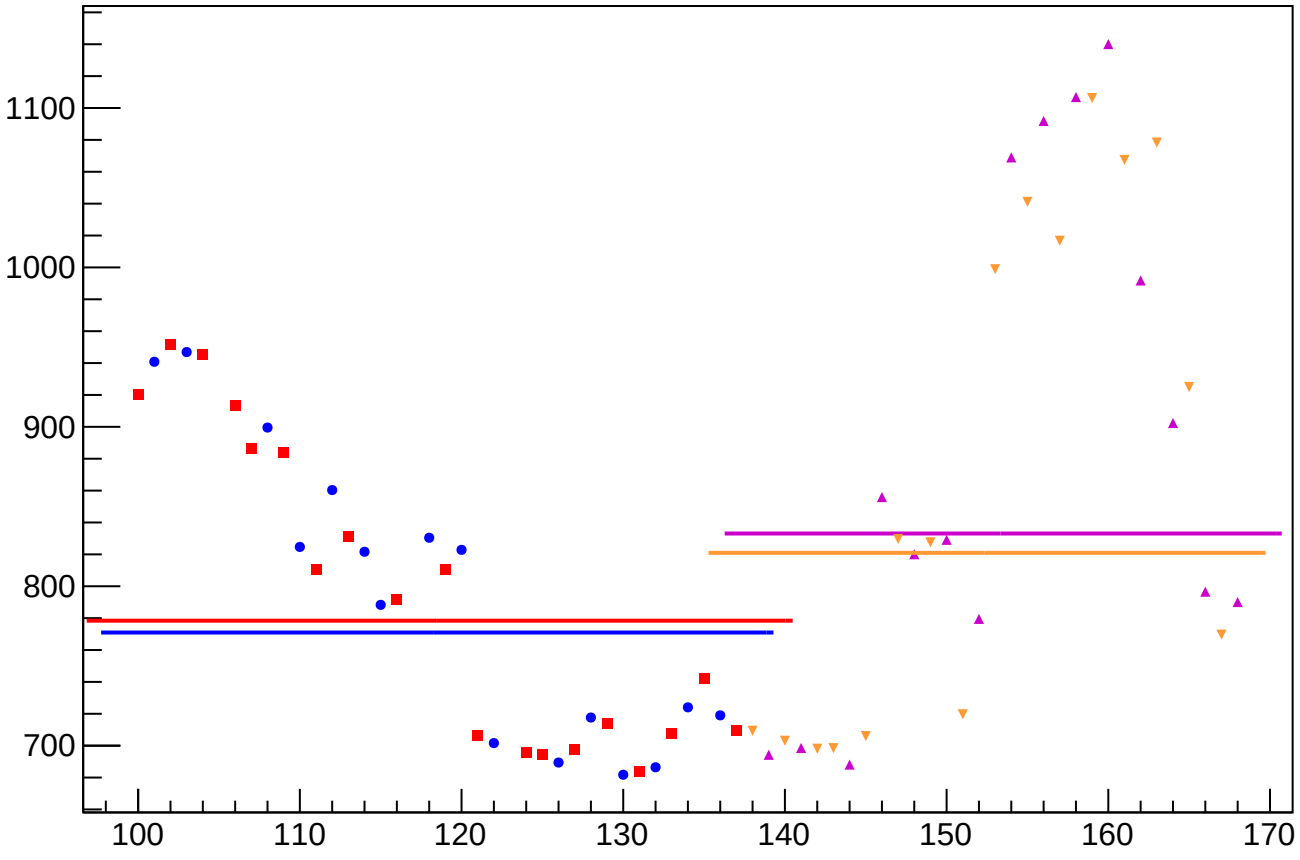
Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: 3.349+/-0.241 χ^2/NDF:871.7/14

+ sign 2.302+/-0.182 χ^2/NDF: 1374.0/31

All: 1.161+/-0.130 χ^2/NDF: 3100.4/65

- sign -0.002+/-0.184 χ^2/NDF: 1647.4/33



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 820.958+/-0.166 χ^2/NDF:740640.9/15

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

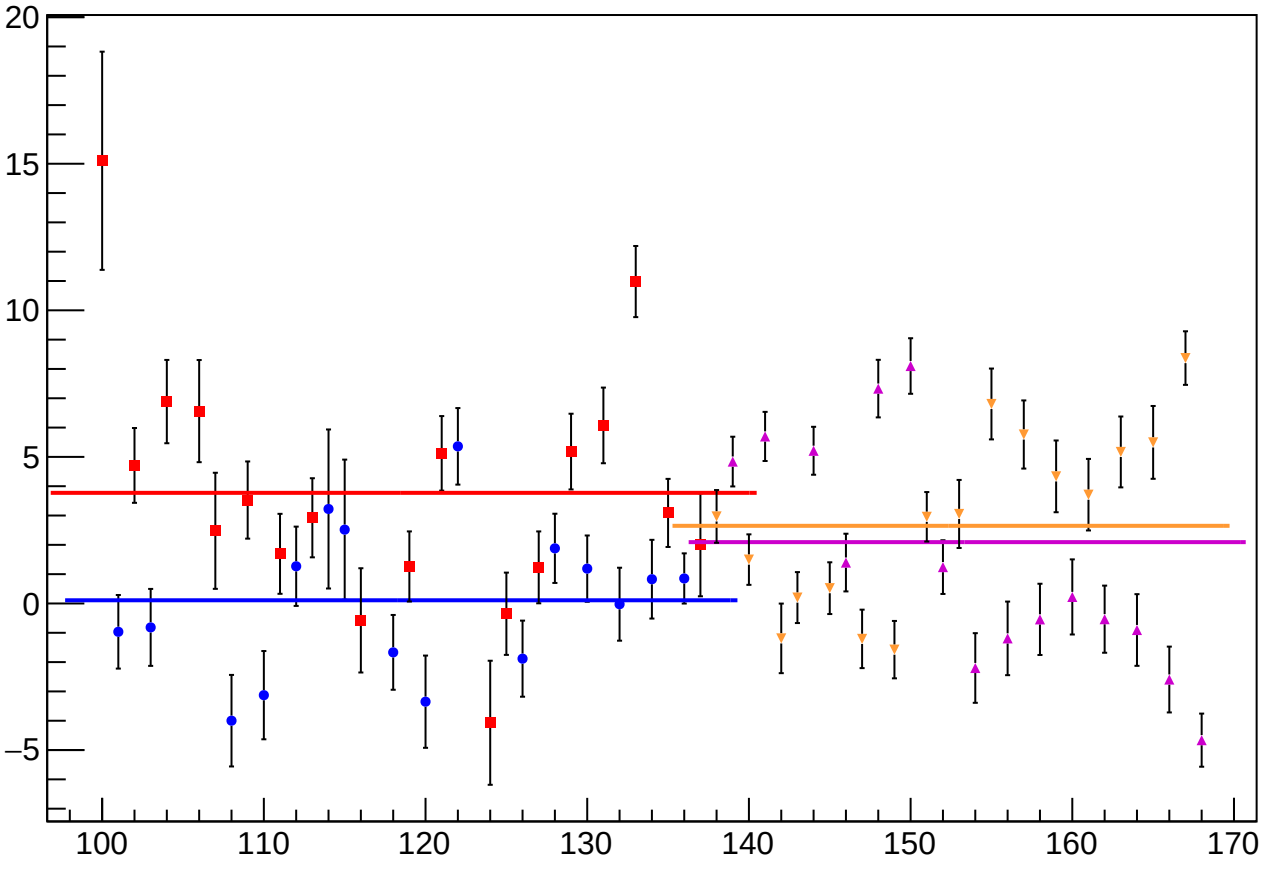
Left In: 833.084+/-0.170 χ^2/NDF:678809.9/14

+ sign 800.964+/-0.129 χ^2/NDF: 969605.3/31

All: 805.613+/-0.092 χ^2/NDF: 1890398.6/65

- sign 810.357+/-0.130 χ^2/NDF: 918167.3/33

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 2.649+/-0.255 χ^2/NDF:130.4/15

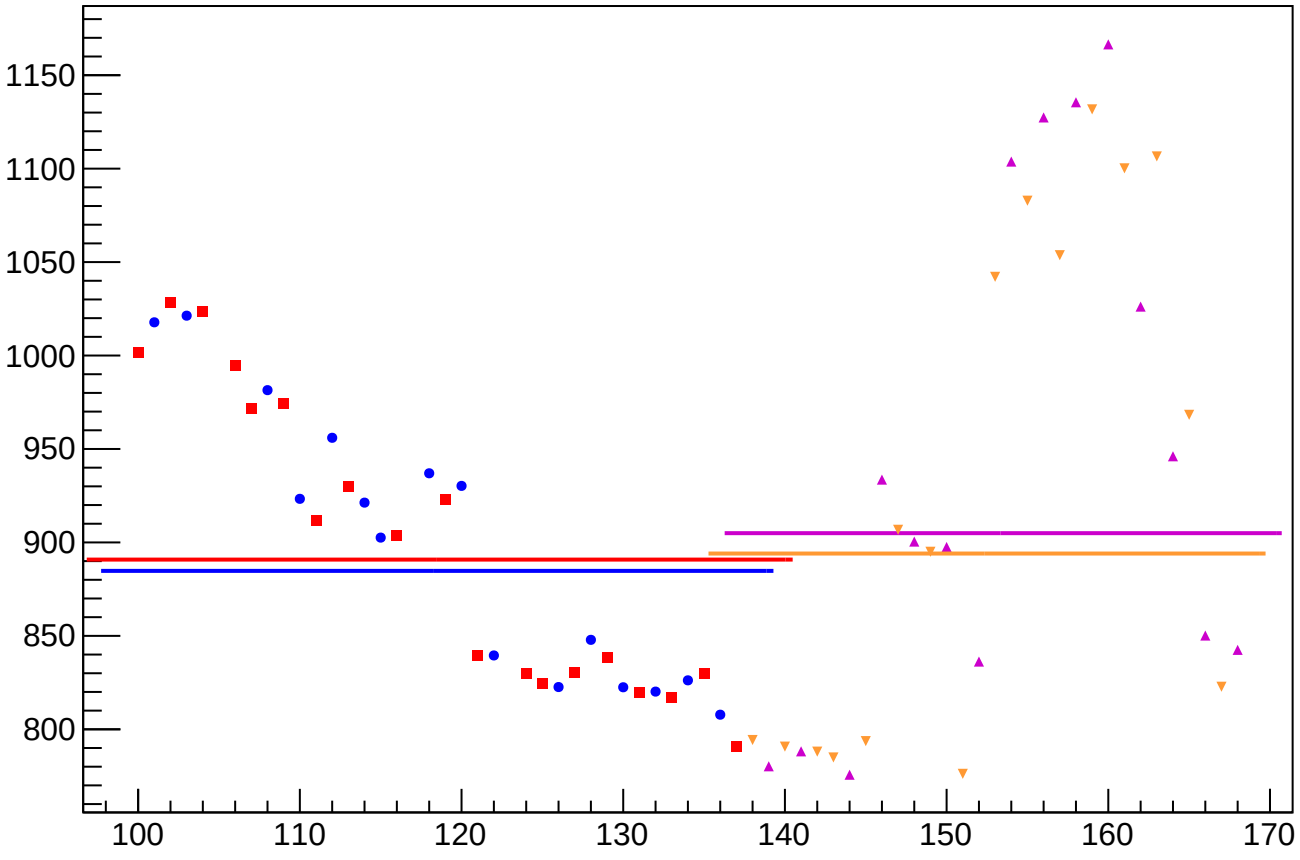
Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: 2.092+/-0.260 χ^2/NDF:224.6/14

+ sign 1.699+/-0.202 χ^2/NDF: 212.9/31

All: 2.219+/-0.143 χ^2/NDF: 566.6/65

- sign 2.747+/-0.203 χ^2/NDF: 340.4/33



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 894.053+/-0.180 χ^2/NDF:498678.4/15

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

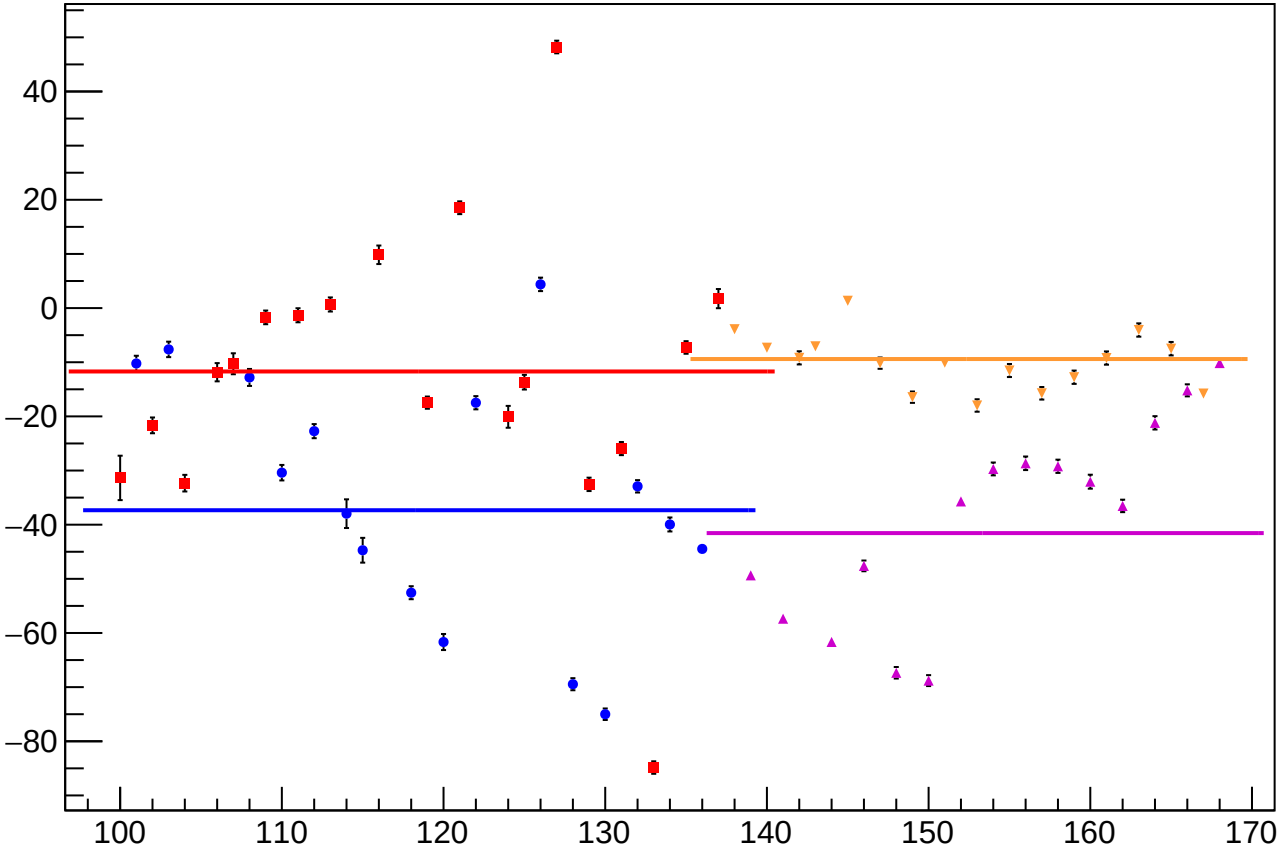
Left In: 904.953+/-0.184 χ^2/NDF:458348.9/14

+ sign 890.584+/-0.143 χ^2/NDF: 604163.3/31

All: 894.979+/-0.101 χ^2/NDF: 1174487.9/65

- sign 899.450+/-0.144 χ^2/NDF: 568408.9/33

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -9.408+/-0.258 χ^2/NDF:403.0/15

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

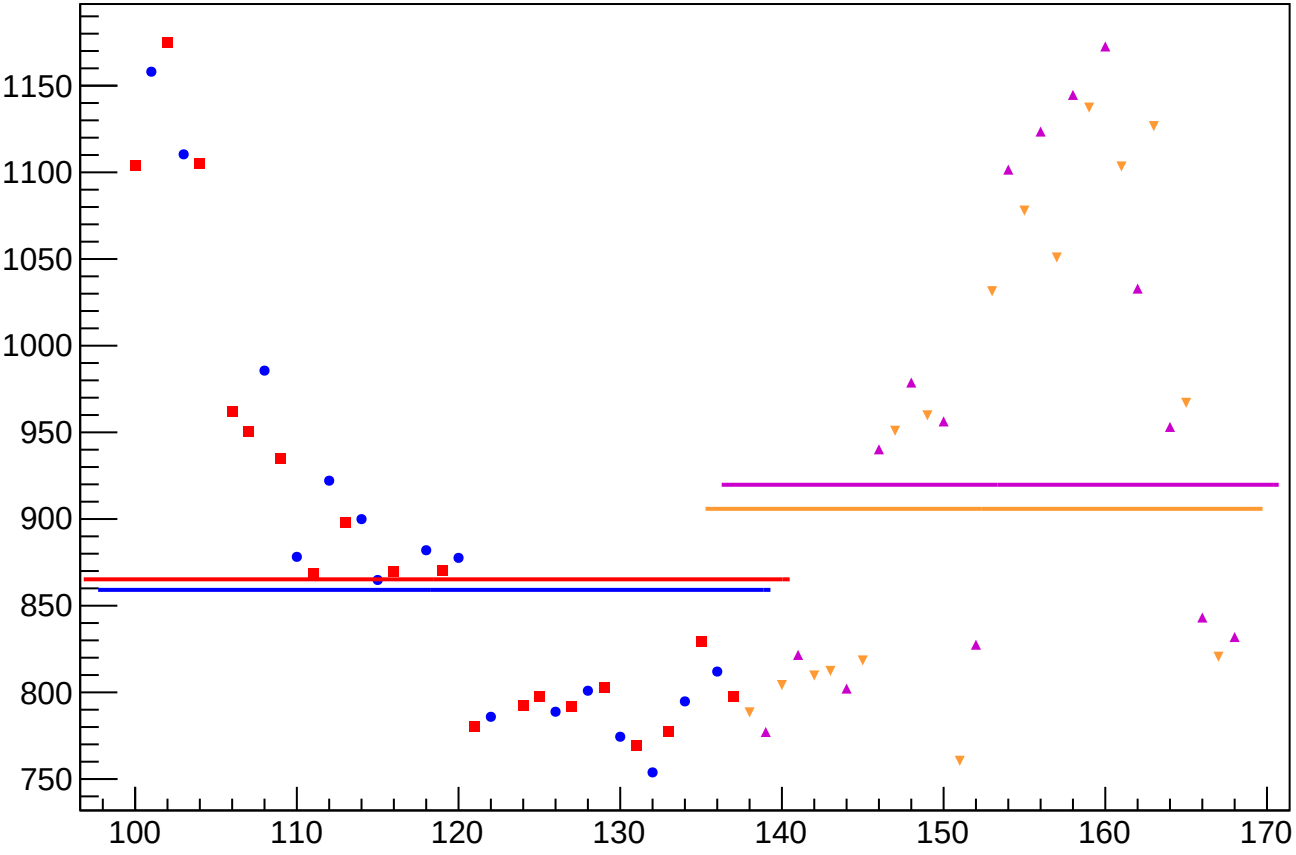
Left In: -41.554+/-0.265 χ^2/NDF:4814.4/14

+ sign -20.353+/-0.201 χ^2/NDF: 10167.2/31

All: -24.803+/-0.143 χ^2/NDF: 29638.8/65

- sign -29.340+/-0.203 χ^2/NDF: 18485.6/33

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 905.885+/-0.183 χ^2/NDF:490184.9/15

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

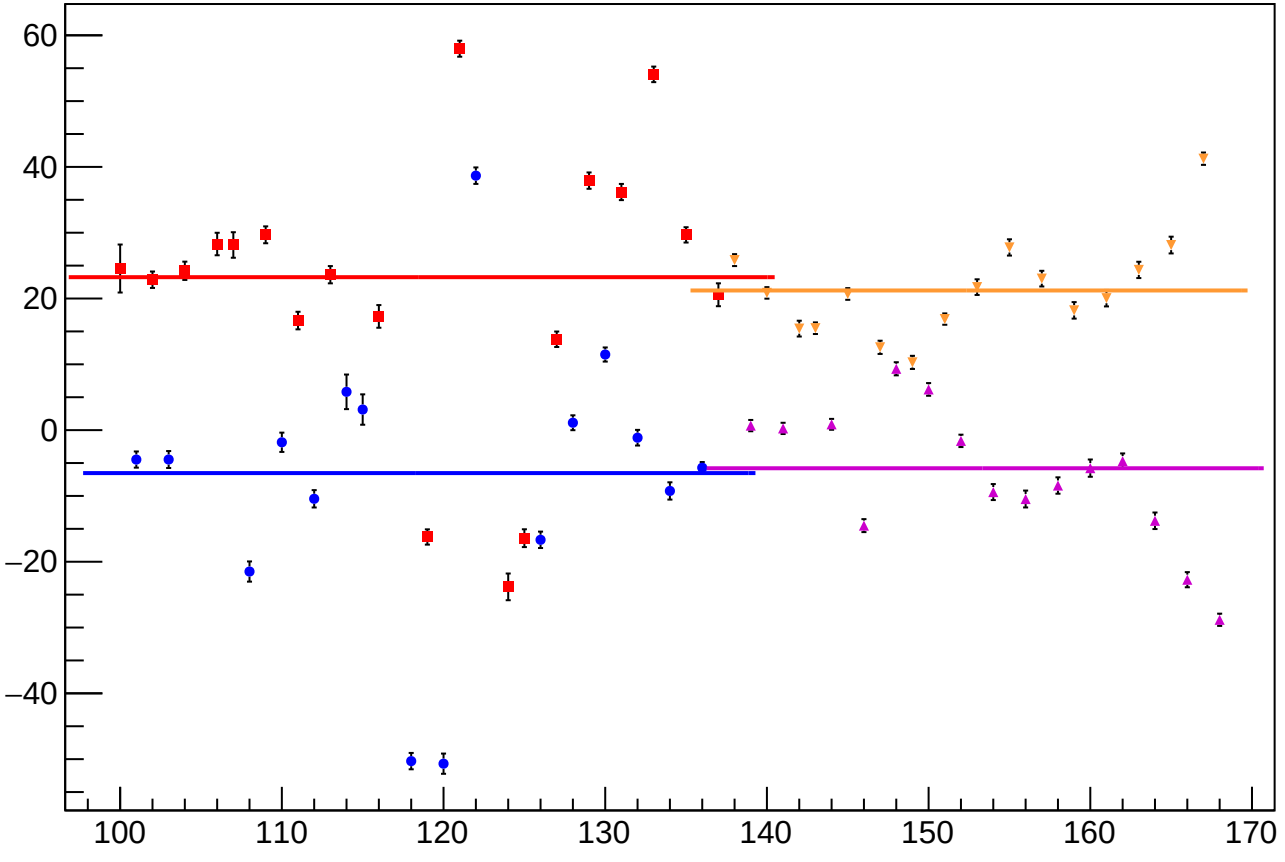
Left In: 919.764+/-0.187 χ^2/NDF:444945.9/14

+ sign 887.557+/-0.142 χ^2/NDF: 744580.3/31

All: 892.452+/-0.101 χ^2/NDF: 1450370.1/65

- sign 897.442+/-0.144 χ^2/NDF: 703404.7/33

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 21.223+/-0.260 χ^2/NDF:837.7/15

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

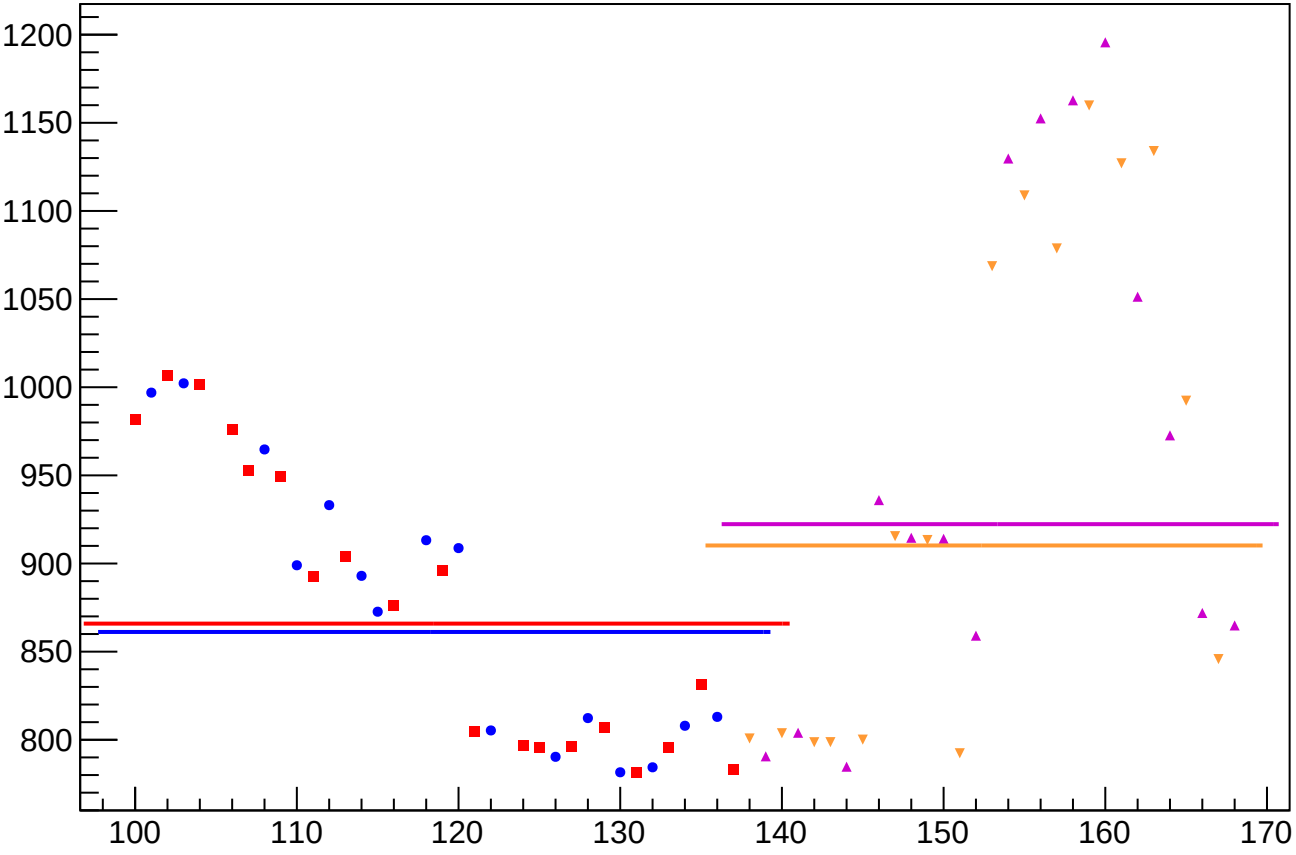
Left In: -5.794+/-0.265 χ^2/NDF:1551.0/14

+ sign 10.255+/-0.202 χ^2/NDF: 9298.6/31

All: 8.227+/-0.143 χ^2/NDF: 20456.6/65

- sign 6.168+/-0.203 χ^2/NDF: 10954.7/33

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 910.234+/-0.184 χ^2/NDF:525457.2/15

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

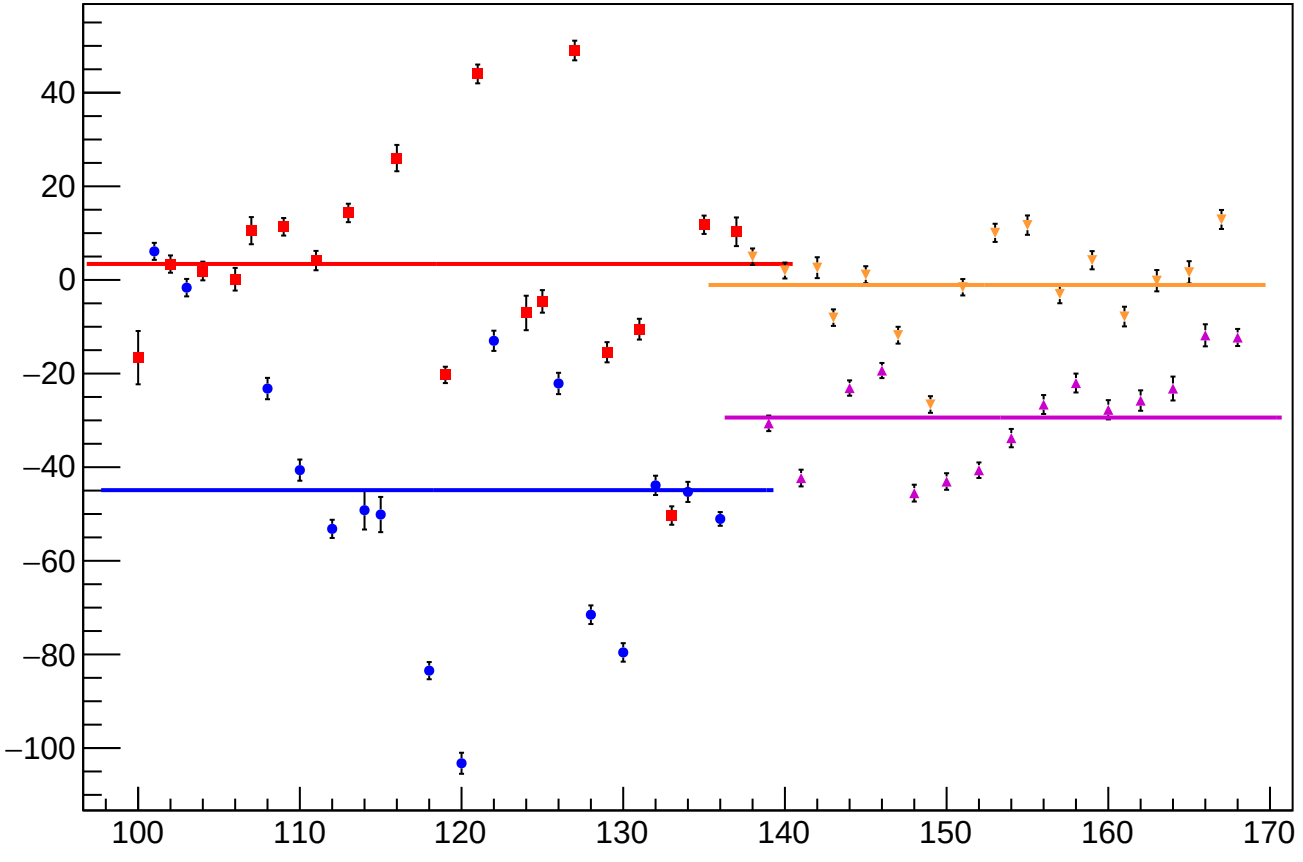
Left In: 922.323+/-0.188 χ^2/NDF:473299.5/14

+ sign 890.843+/-0.143 χ^2/NDF: 667212.9/31

All: 894.931+/-0.101 χ^2/NDF: 1297828.4/65

- sign 899.083+/-0.144 χ^2/NDF: 628963.2/33

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -1.073+/-0.482 χ^2/NDF:415.6/15

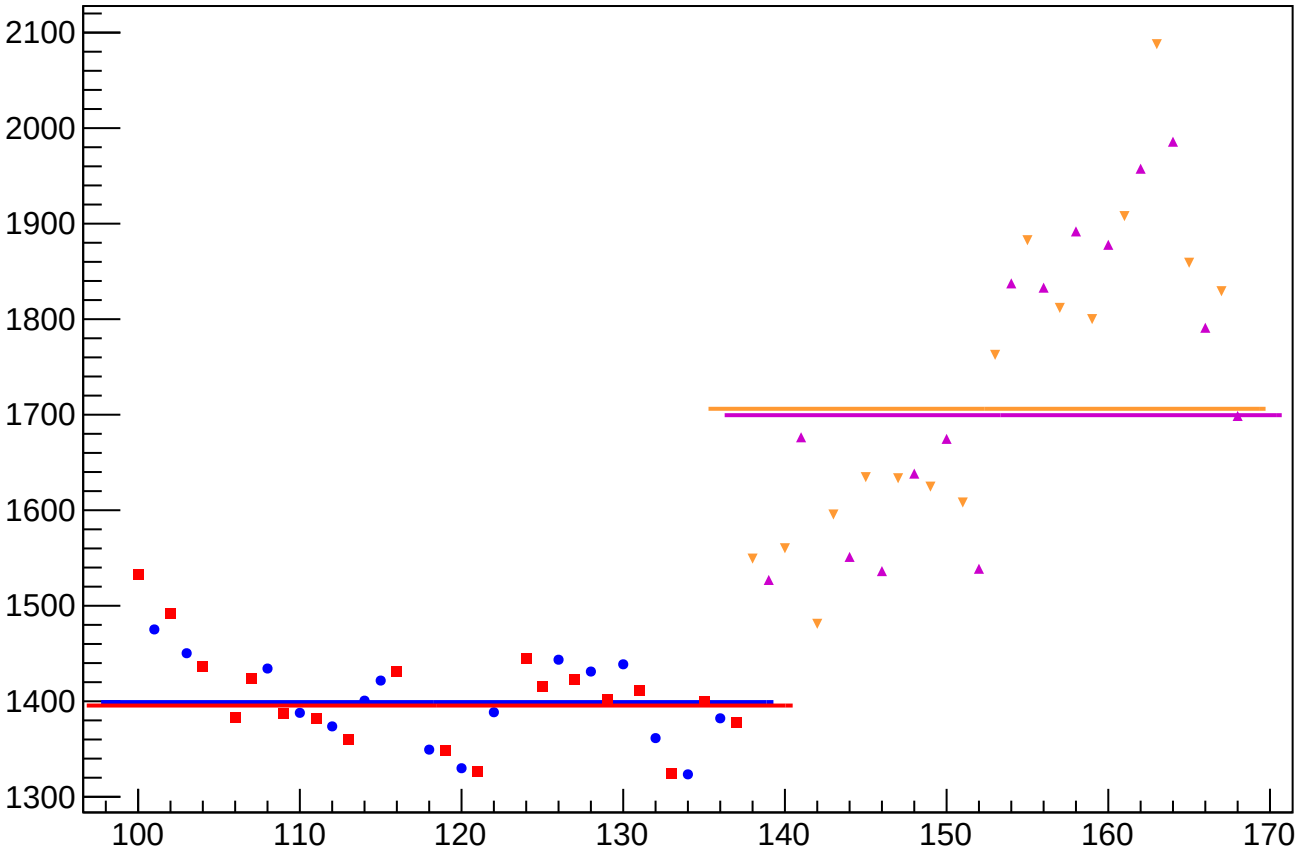
Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: -29.397+/-0.485 χ^2/NDF:464.8/14

+ sign -21.334+/-0.353 χ^2/NDF: 7615.5/31

All: -17.536+/-0.249 χ^2/NDF: 12589.2/65

- sign -13.786+/-0.351 χ^2/NDF: 4744.3/33



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1706.202+/-0.341 χ^2/NDF:192647.0/15

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

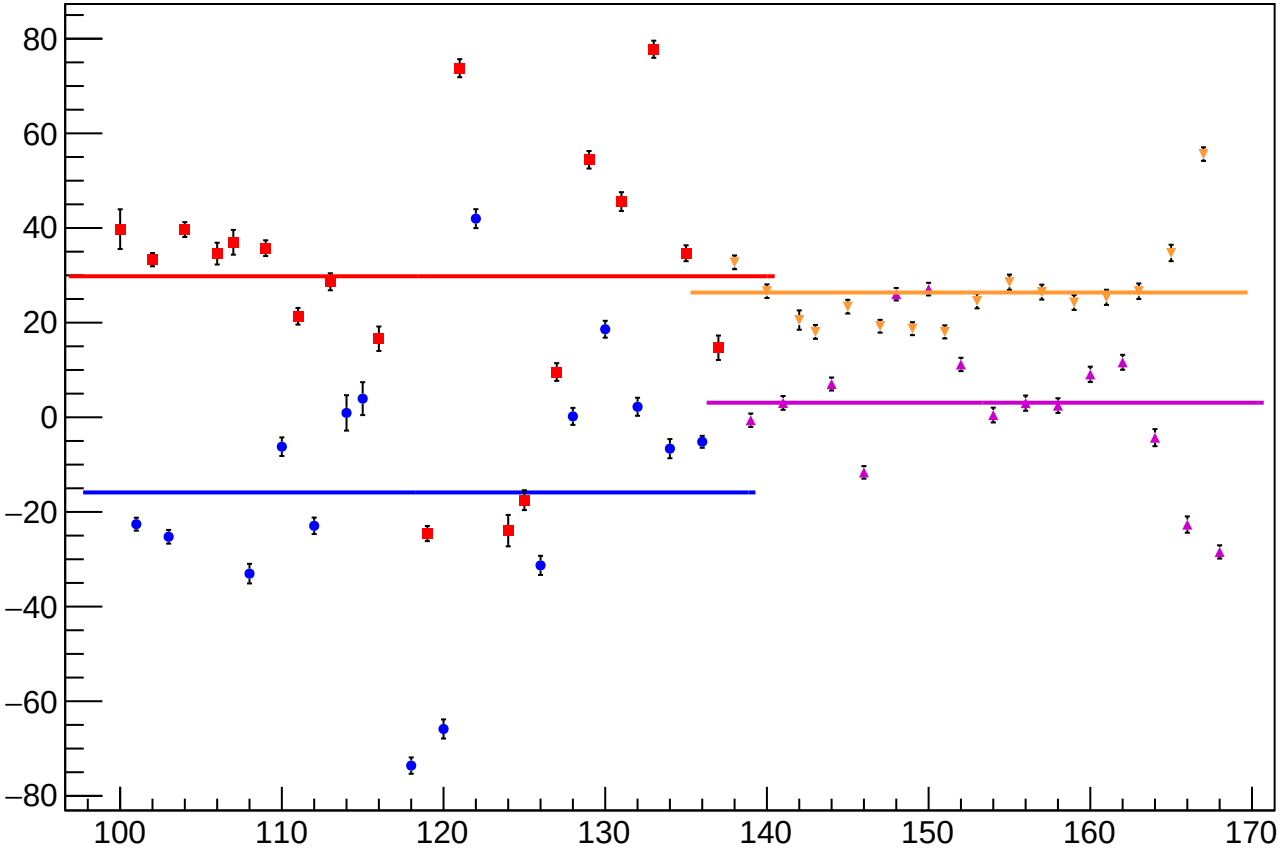
Left In: 1699.510+/-0.343 χ^2/NDF:188034.9/14

+ sign 1564.278+/-0.250 χ^2/NDF: 582582.9/31

All: 1559.555+/-0.176 χ^2/NDF: 1161244.1/65

- sign 1554.893+/-0.248 χ^2/NDF: 577951.7/33

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 26.369+/-0.381 χ^2/NDF:599.7/15

Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

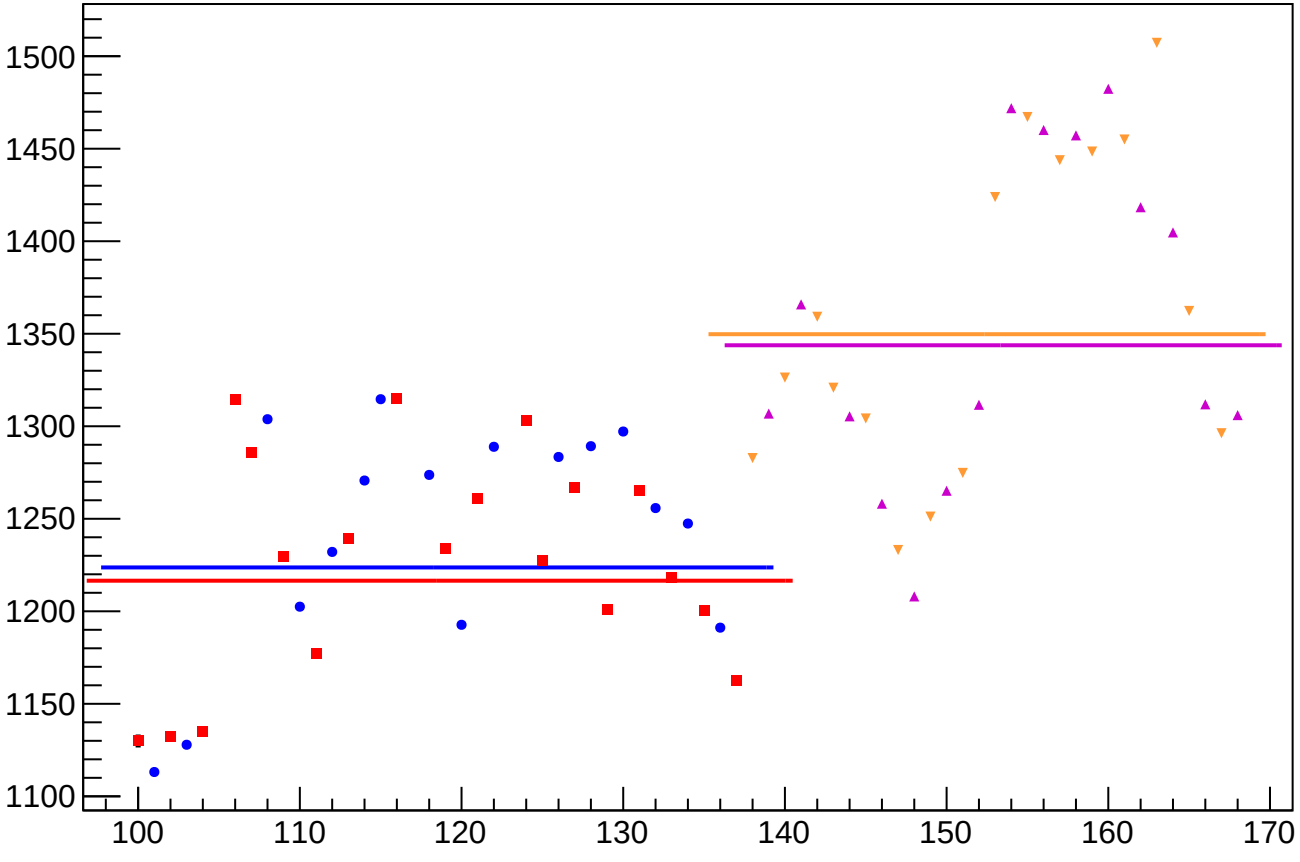
Left In: 3.085+/-0.383 χ^2/NDF:1585.9/14

+ sign 8.988+/-0.292 χ^2/NDF: 9146.5/31

All: 11.742+/-0.206 χ^2/NDF: 16666.3/65

- sign 14.456+/-0.290 χ^2/NDF: 7343.2/33

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1349.752+/-0.269 χ^2/NDF:98549.1/15

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

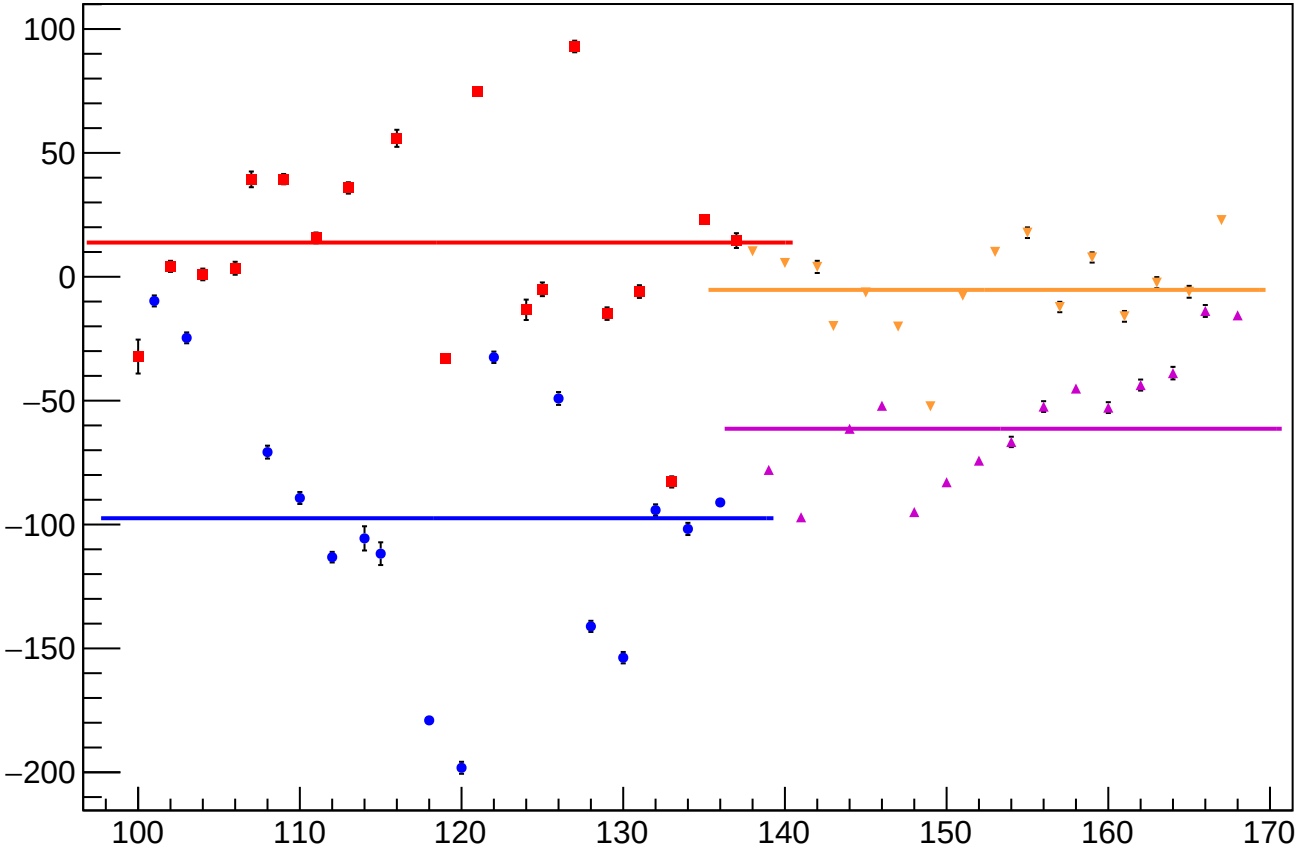
Left In: 1343.771+/-0.270 χ^2/NDF:98790.6/14

+ sign 1297.895+/-0.206 χ^2/NDF: 229684.6/31

All: 1293.724+/-0.145 χ^2/NDF: 452849.5/65

- sign 1289.612+/-0.205 χ^2/NDF: 222354.3/33

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -5.286+/-0.495 χ^2/NDF:1395.2/15

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

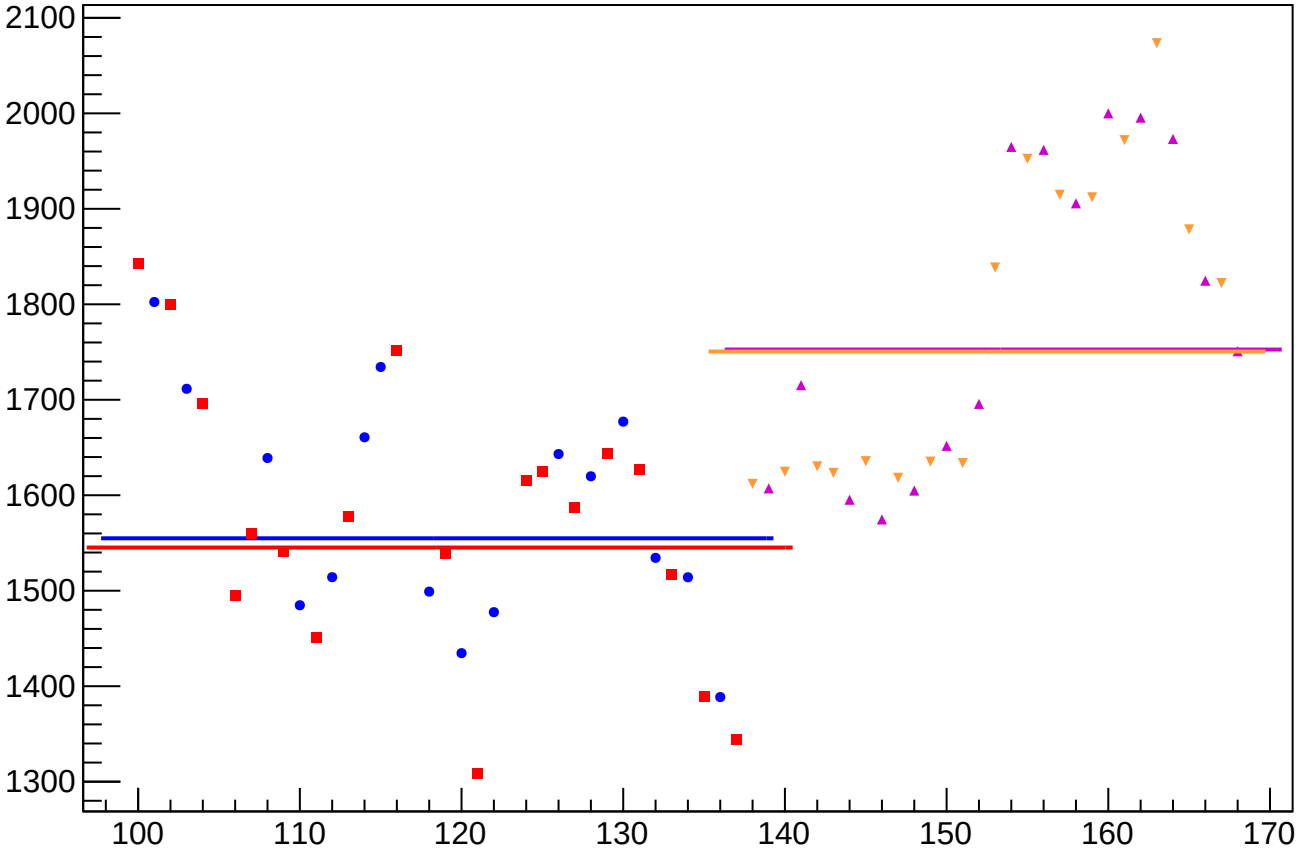
Left In: -61.340+/-0.500 χ^2/NDF:2299.7/14

+ sign -44.140+/-0.376 χ^2/NDF: 24332.4/31

All: -36.225+/-0.265 χ^2/NDF: 42776.0/65

- sign -28.377+/-0.375 χ^2/NDF: 17562.1/33

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1750.520+/-0.350 χ^2/NDF:188162.6/15

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

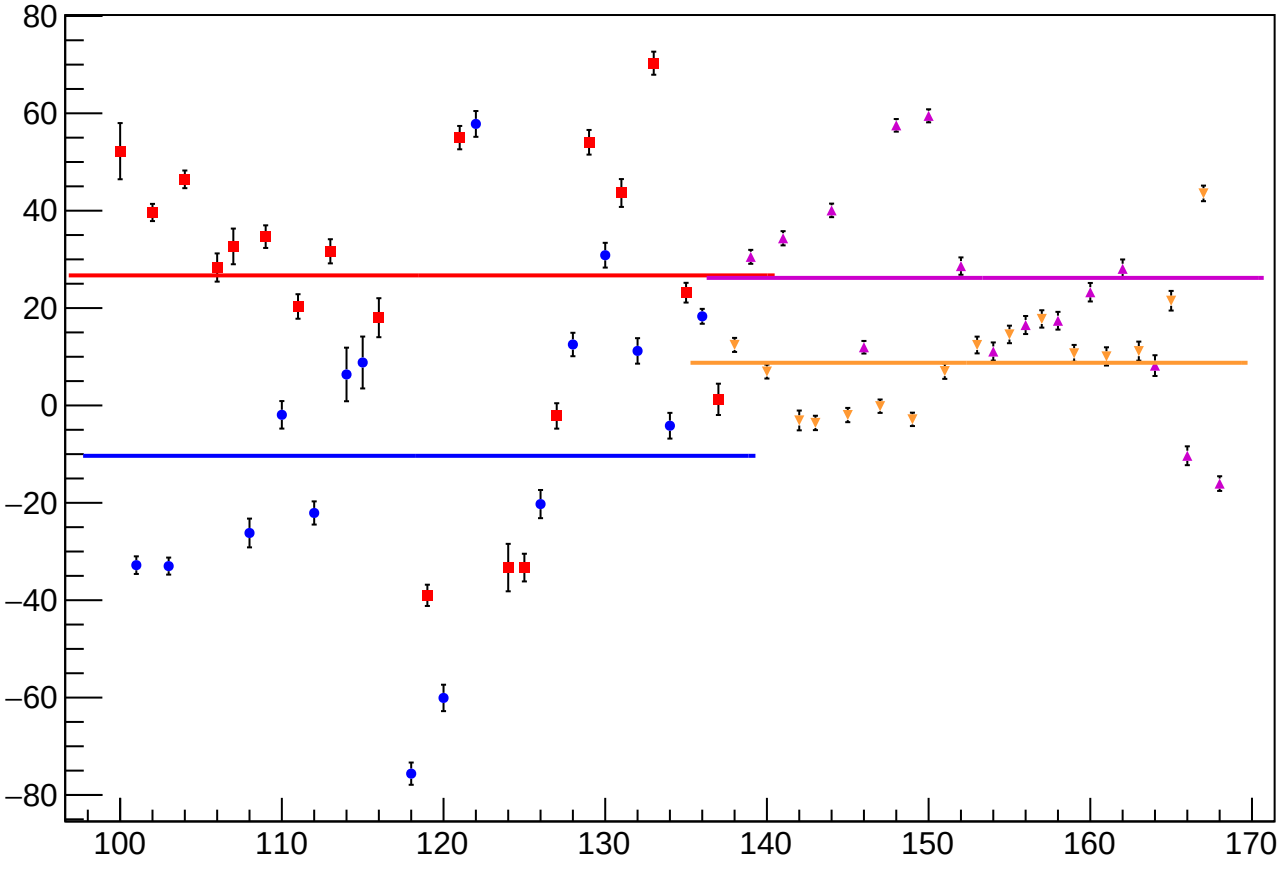
Left In: 1752.627+/-0.354 χ^2/NDF:194819.1/14

+ sign 1668.061+/-0.266 χ^2/NDF: 407938.7/31

All: 1664.851+/-0.188 χ^2/NDF: 862757.9/65

- sign 1661.668+/-0.265 χ^2/NDF: 454529.2/33

diff_bpm0i02aY_mean vs Slug



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 8.765+/-0.406 χ^2/NDF:835.7/15

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

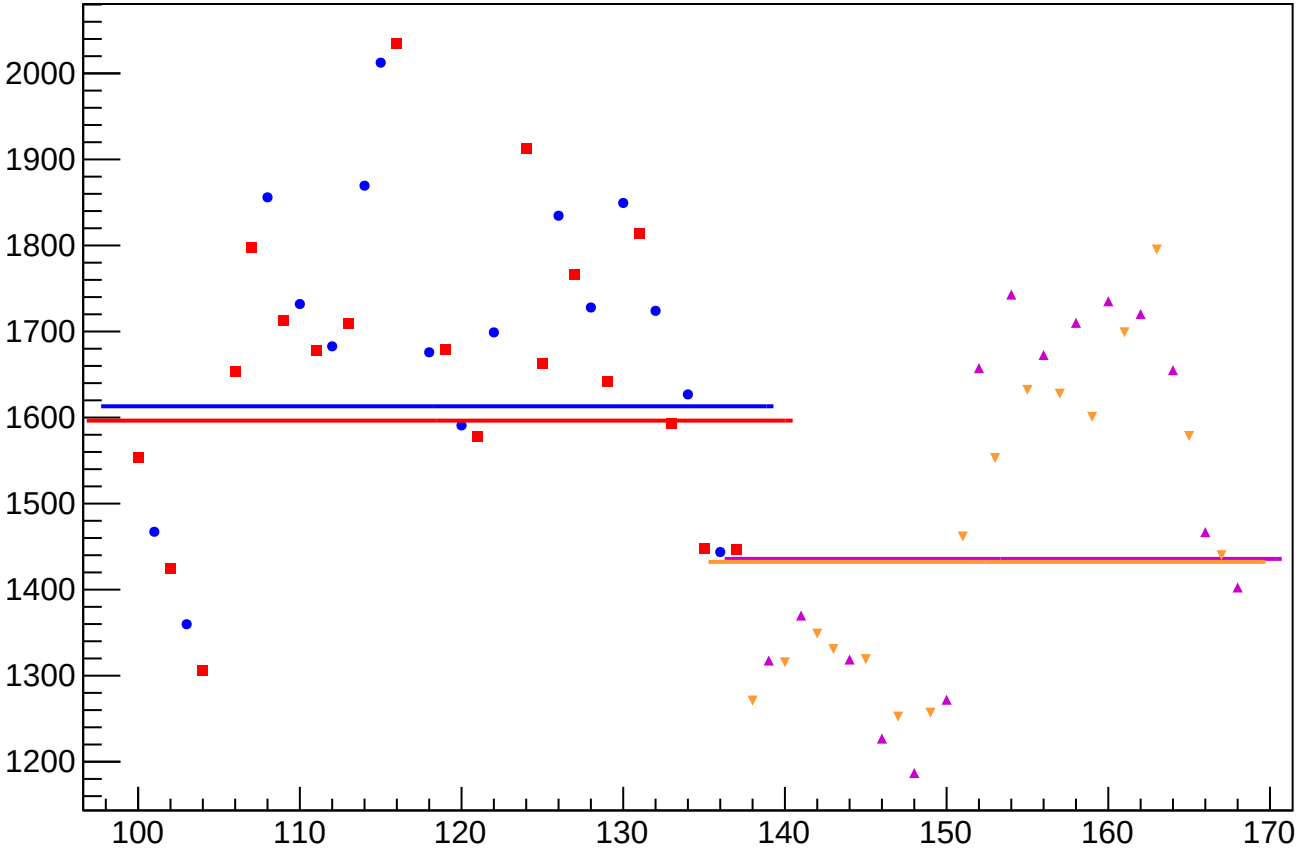
Left In: 26.198+/-0.412 χ^2/NDF:2792.5/14

+ sign 2.802+/-0.337 χ^2/NDF: 4533.3/31

All: 14.576+/-0.238 χ^2/NDF: 12311.4/65

- sign 26.367+/-0.337 χ^2/NDF: 5333.8/33

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1432.262+/-0.287 χ^2/NDF:327707.9/15

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

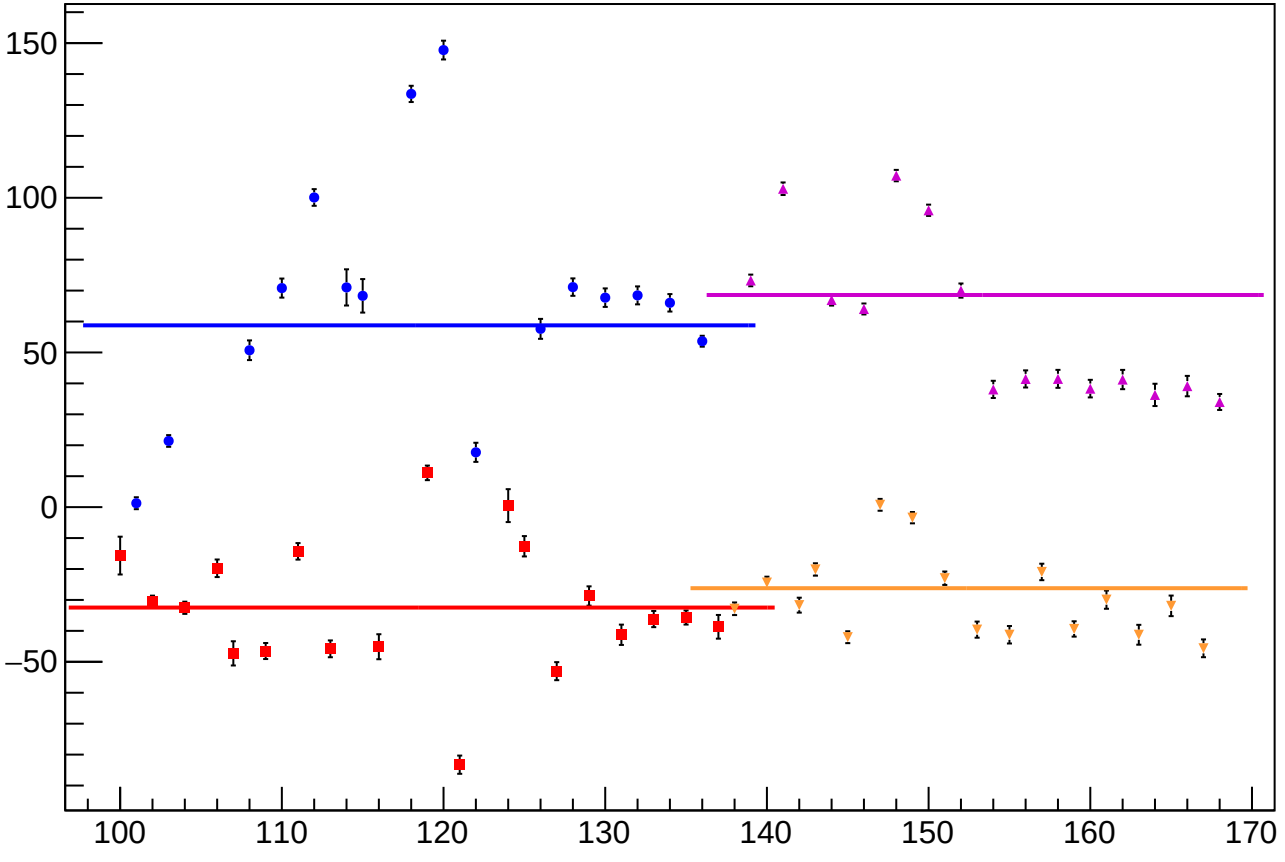
Left In: 1435.736+/-0.291 χ^2/NDF:466922.5/14

+ sign 1488.689+/-0.238 χ^2/NDF: 606102.5/31

All: 1488.781+/-0.169 χ^2/NDF: 1334298.9/65

- sign 1488.873+/-0.238 χ^2/NDF: 728196.0/33

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -26.206+/-0.578 χ^2/NDF:608.4/15

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

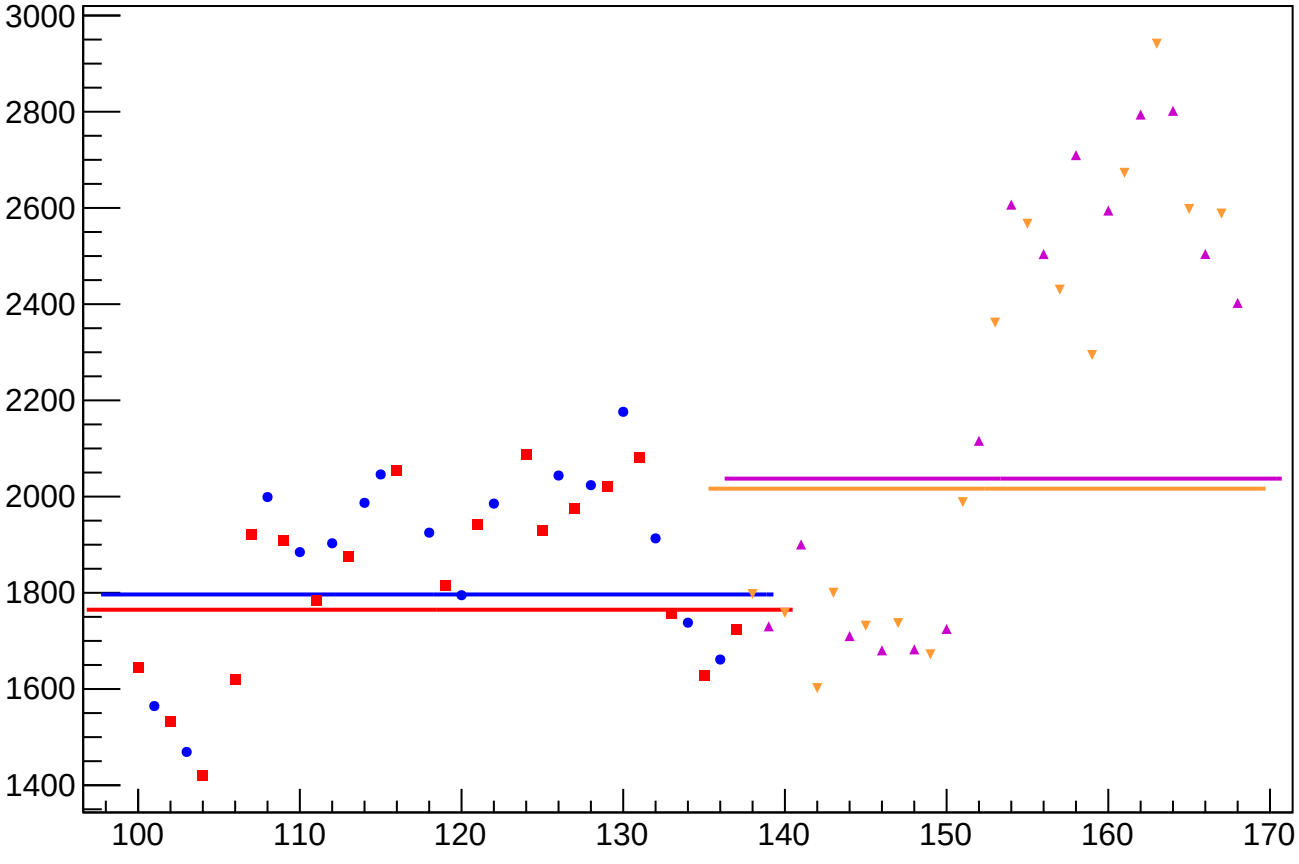
Left In: 68.576+/-0.591 χ^2/NDF:1798.0/14

+ sign 9.930+/-0.439 χ^2/NDF: 13227.2/31

All: 16.343+/-0.310 χ^2/NDF: 29640.8/65

- sign 22.708+/-0.437 χ^2/NDF: 15987.6/33

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2016.490+/-0.409 χ^2/NDF:889359.6/15

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

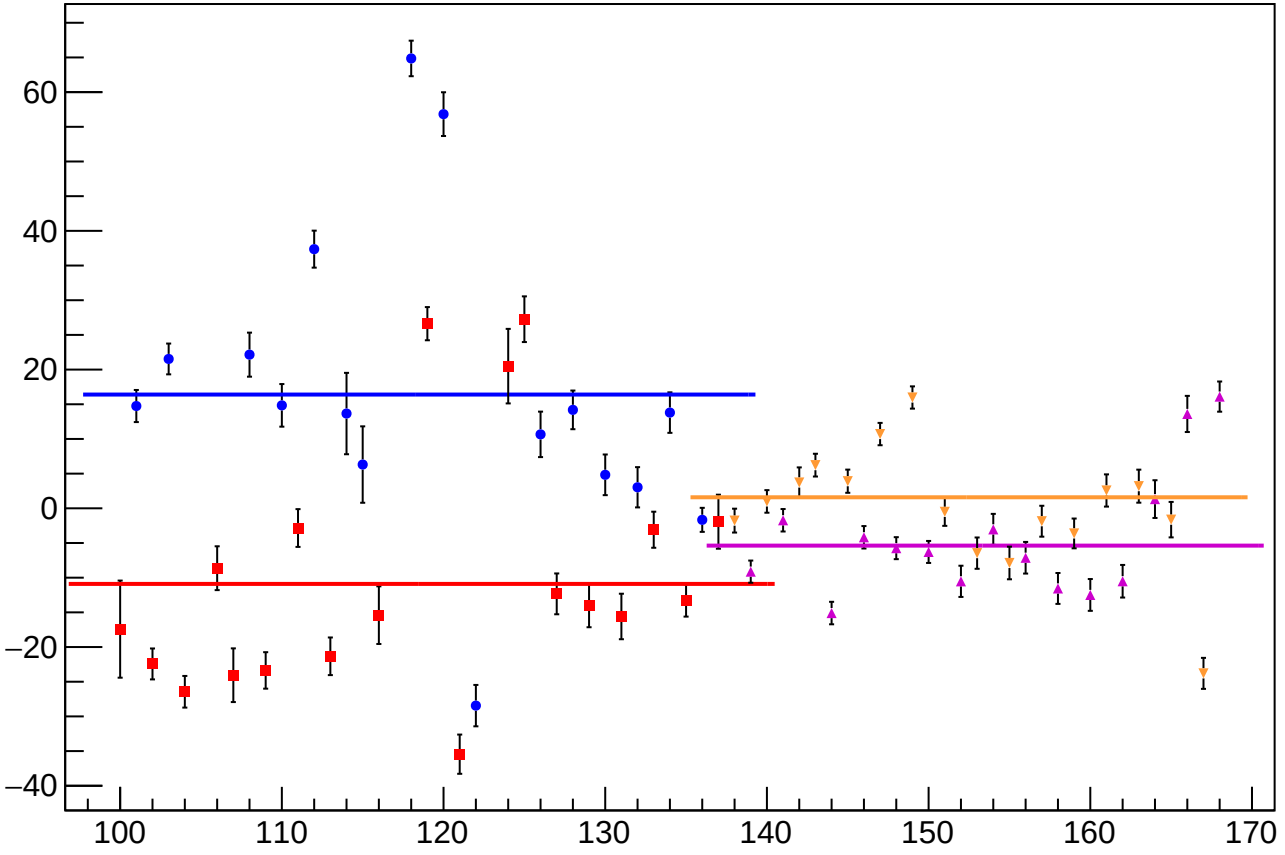
Left In: 2037.359+/-0.418 χ^2/NDF:957390.9/14

+ sign 1922.952+/-0.310 χ^2/NDF: 1205484.8/31

All: 1918.288+/-0.219 χ^2/NDF: 2546179.4/65

- sign 1913.658+/-0.309 χ^2/NDF: 1340243.8/33

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 1.590+/-0.489 χ^2/NDF:296.7/15

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

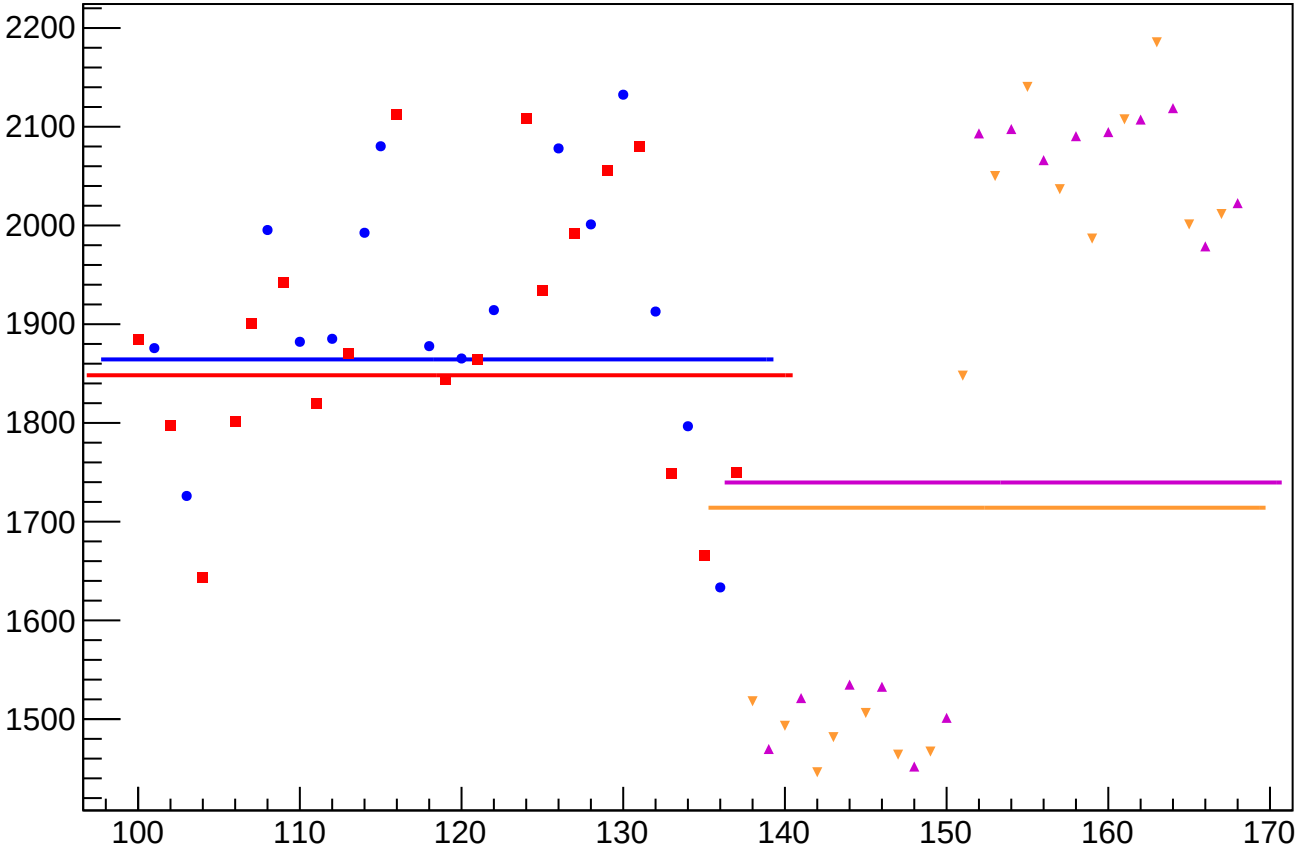
Left In: -5.378+/-0.501 χ^2/NDF:233.2/14

\+ sign 6.493+/-0.400 χ^2/NDF: 1573.4/31

All: -0.376+/-0.284 χ^2/NDF: 3085.3/65

\- sign -7.333+/-0.402 χ^2/NDF: 917.9/33

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1714.119+/-0.346 χ^2/NDF:649011.3/15

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

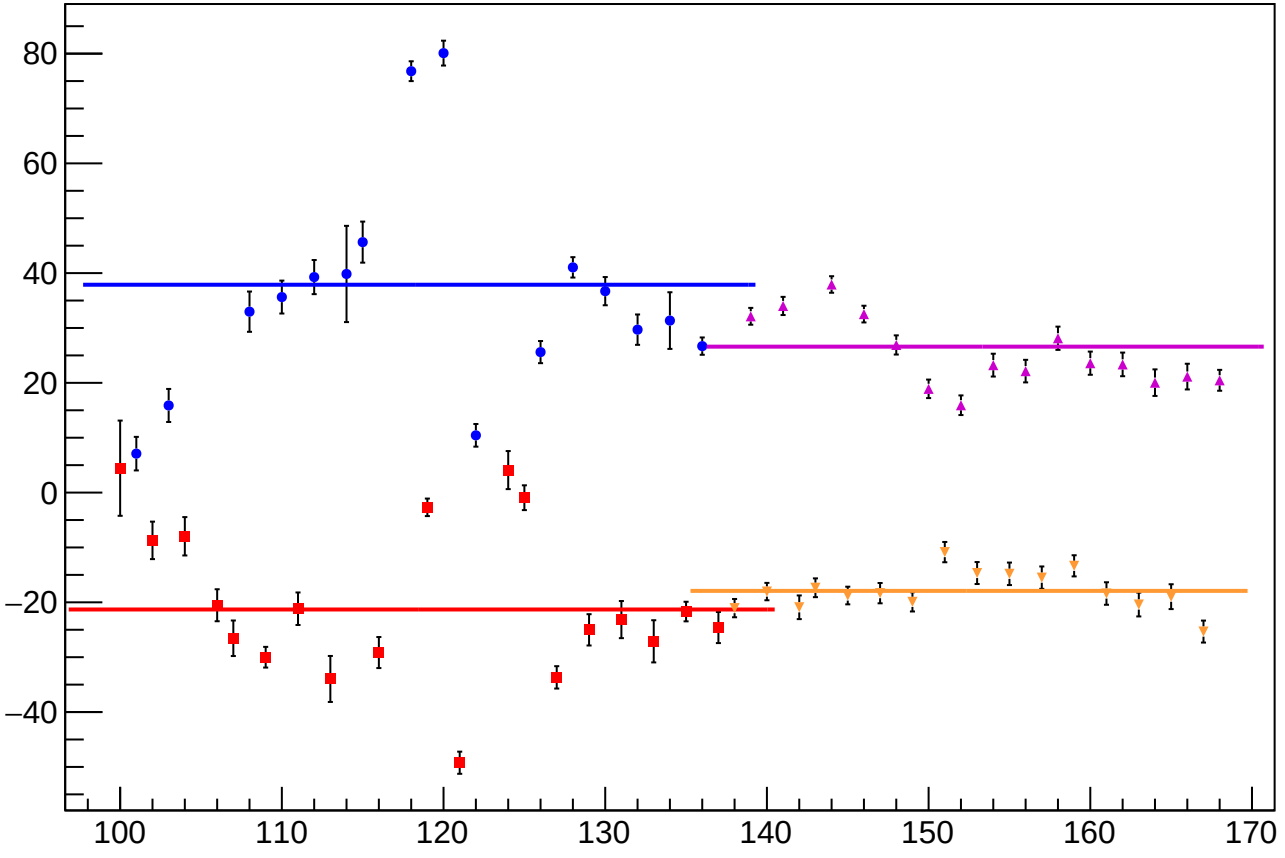
Left In: 1739.671+/-0.354 χ^2/NDF:646935.1/14

+ sign 1763.845+/-0.283 χ^2/NDF: 794831.0/31

All: 1770.942+/-0.201 χ^2/NDF: 1551313.8/65

- sign 1778.131+/-0.285 χ^2/NDF: 755214.3/33

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.915+/-0.471 χ^2/NDF:49.1/15

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

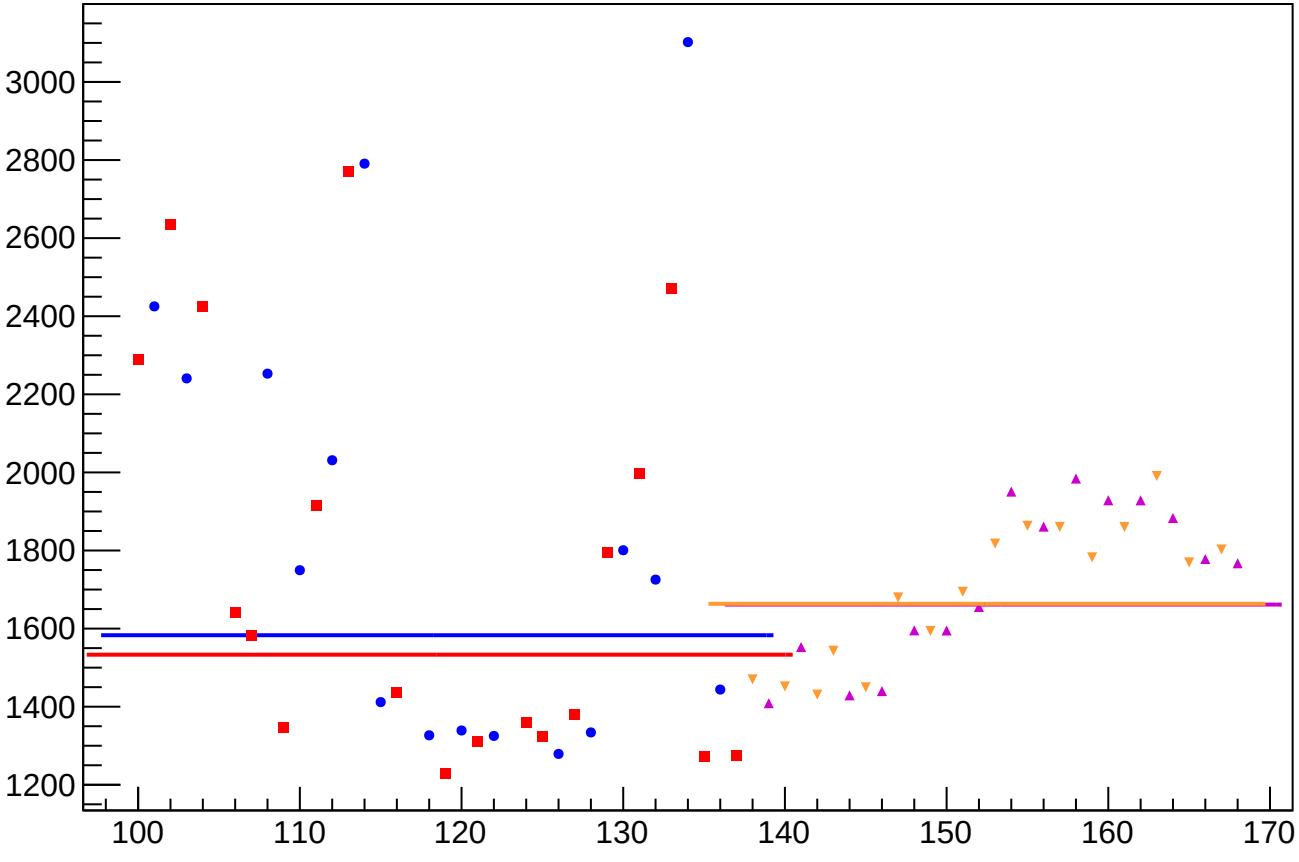
Left In: 26.597+/-0.476 χ^2/NDF:196.4/14

+ sign 2.420+/-0.376 χ^2/NDF: 6406.9/31

All: 5.151+/-0.264 χ^2/NDF: 11258.4/65

- sign 7.817+/-0.371 χ^2/NDF: 4747.1/33

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1663.488+/-0.333 χ^2/NDF:269962.5/15

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

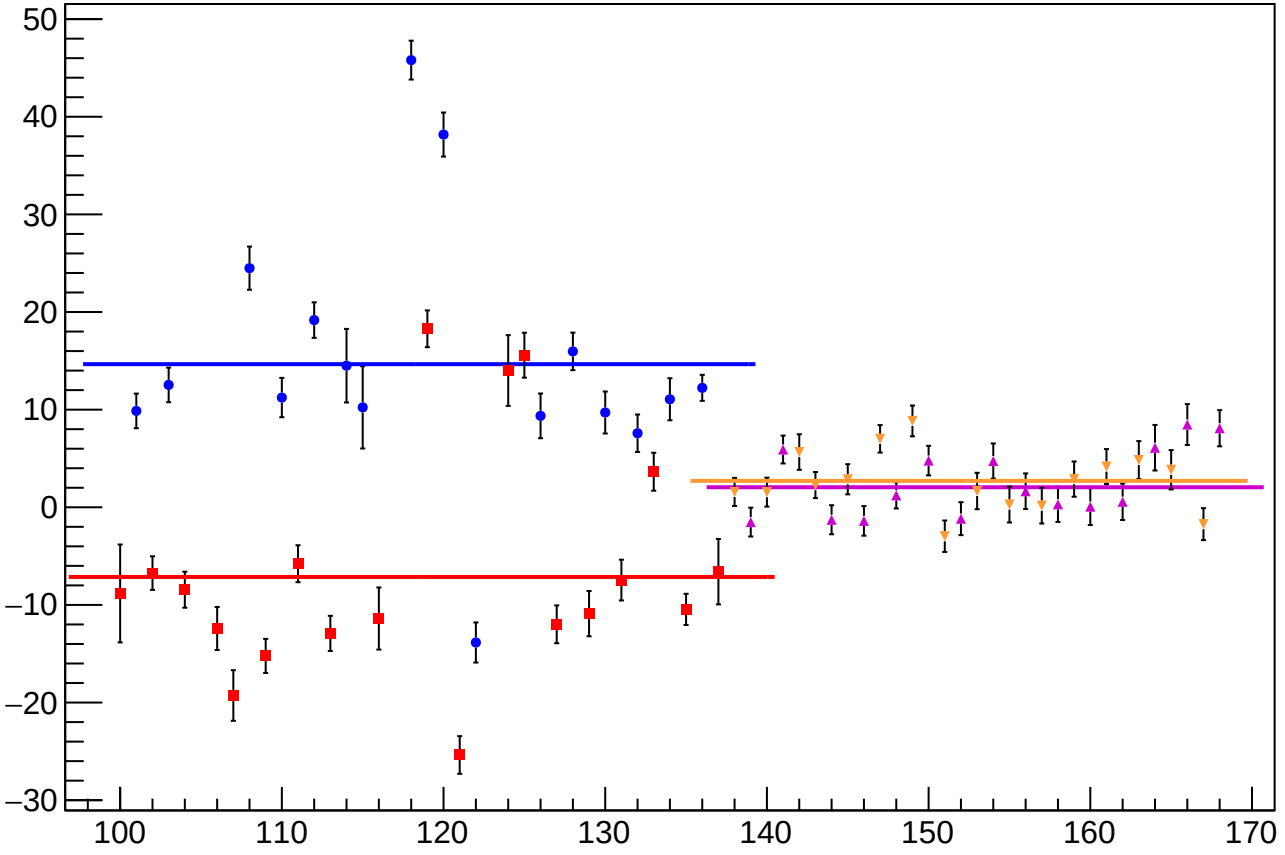
Left In: 1661.542+/-0.337 χ^2/NDF:353321.7/14

+ sign 1634.172+/-0.266 χ^2/NDF: 1078868.1/31

All: 1622.560+/-0.187 χ^2/NDF: 2443719.4/65

- sign 1611.222+/-0.263 χ^2/NDF: 1361075.5/33

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.708+/-0.412 χ^2/NDF:54.4/15

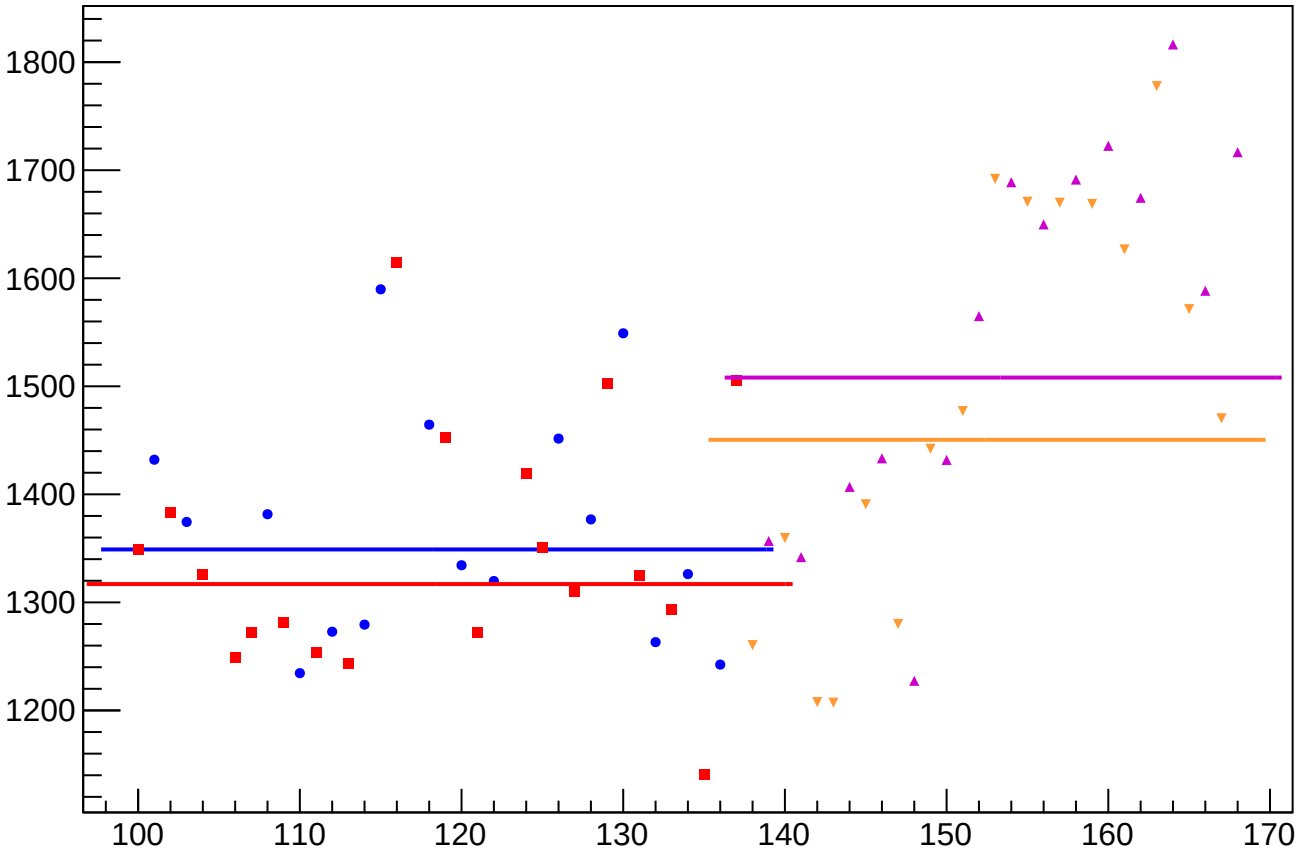
Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: 2.052+/-0.432 χ^2/NDF:58.6/14

+ sign 7.486+/-0.319 χ^2/NDF: 1005.9/31

All: 2.773+/-0.227 χ^2/NDF: 2215.5/65

- sign -2.024+/-0.322 χ^2/NDF: 769.2/33



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1450.476+/-0.291 χ^2/NDF:381276.2/15

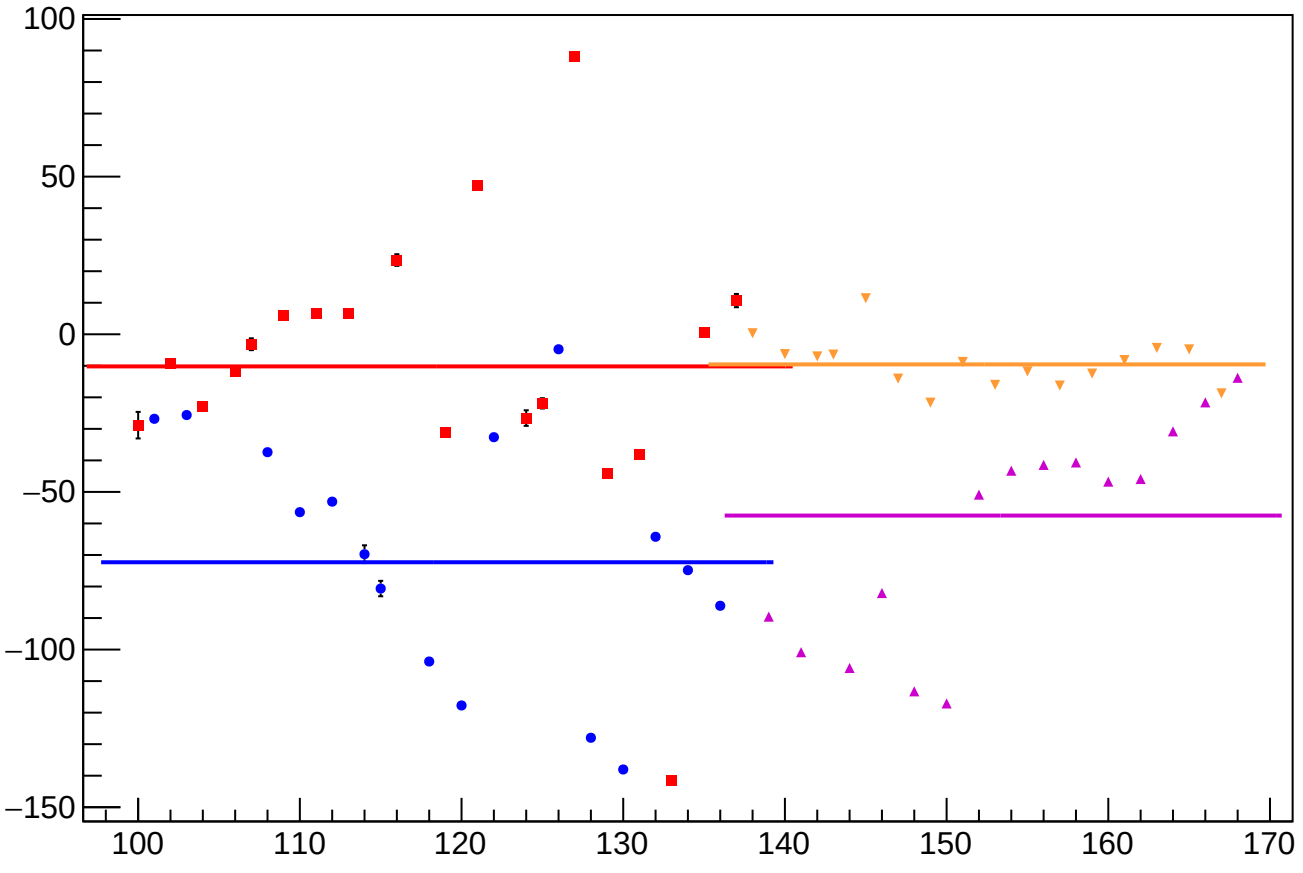
Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1508.059+/-0.305 χ^2/NDF:315123.7/14

+ sign 1409.900+/-0.226 χ^2/NDF: 498221.3/31

All: 1416.524+/-0.160 χ^2/NDF: 1075989.3/65

- sign 1423.266+/-0.228 χ^2/NDF: 576028.1/33



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -9.557+/-0.238 χ^2/NDF:977.5/15

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

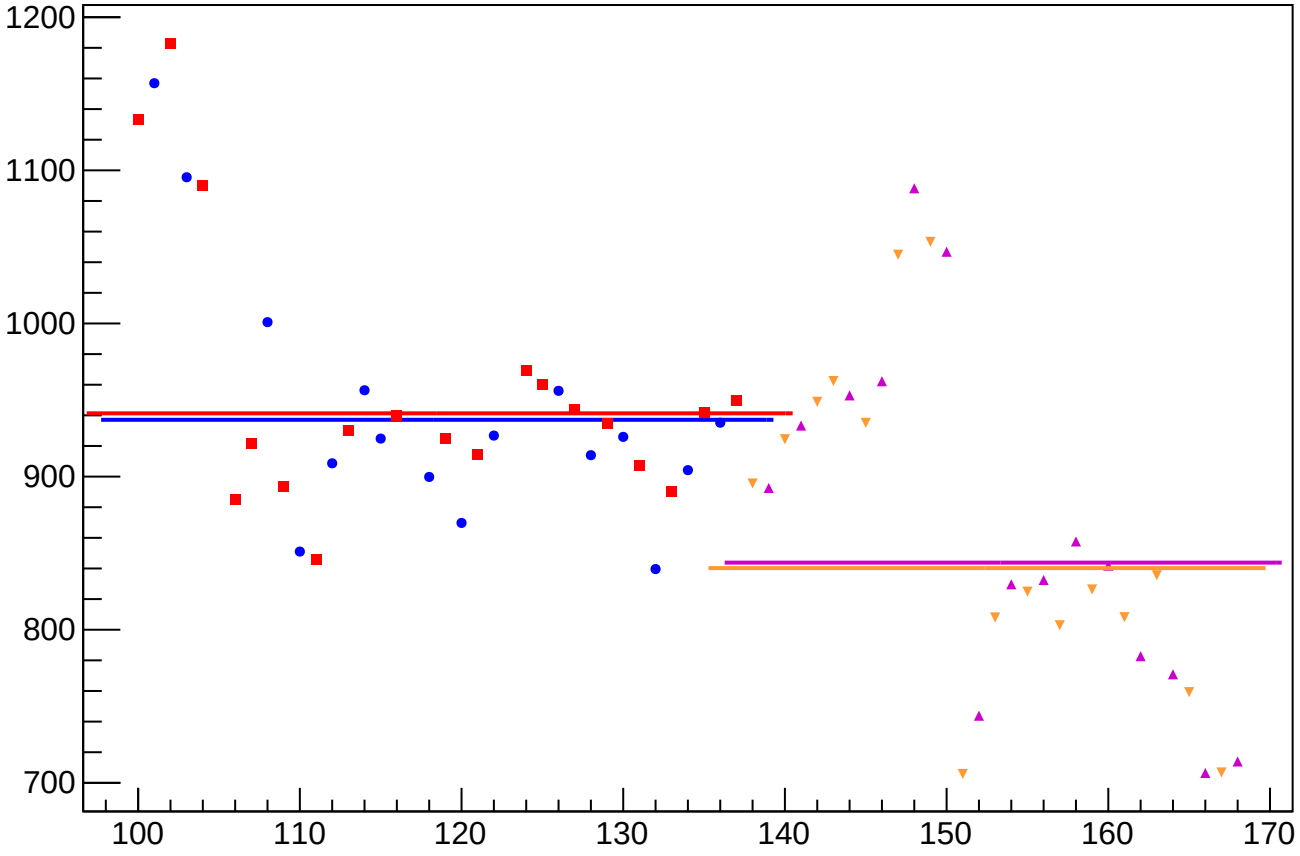
Left In: -57.498+/-0.242 χ^2/NDF:17748.7/14

+ sign -29.466+/-0.197 χ^2/NDF: 35142.3/31

All: -35.652+/-0.140 χ^2/NDF: 86560.0/65

- sign -41.900+/-0.198 χ^2/NDF: 49432.9/33

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 840.234+/-0.168 χ^2/NDF:349188.1/15

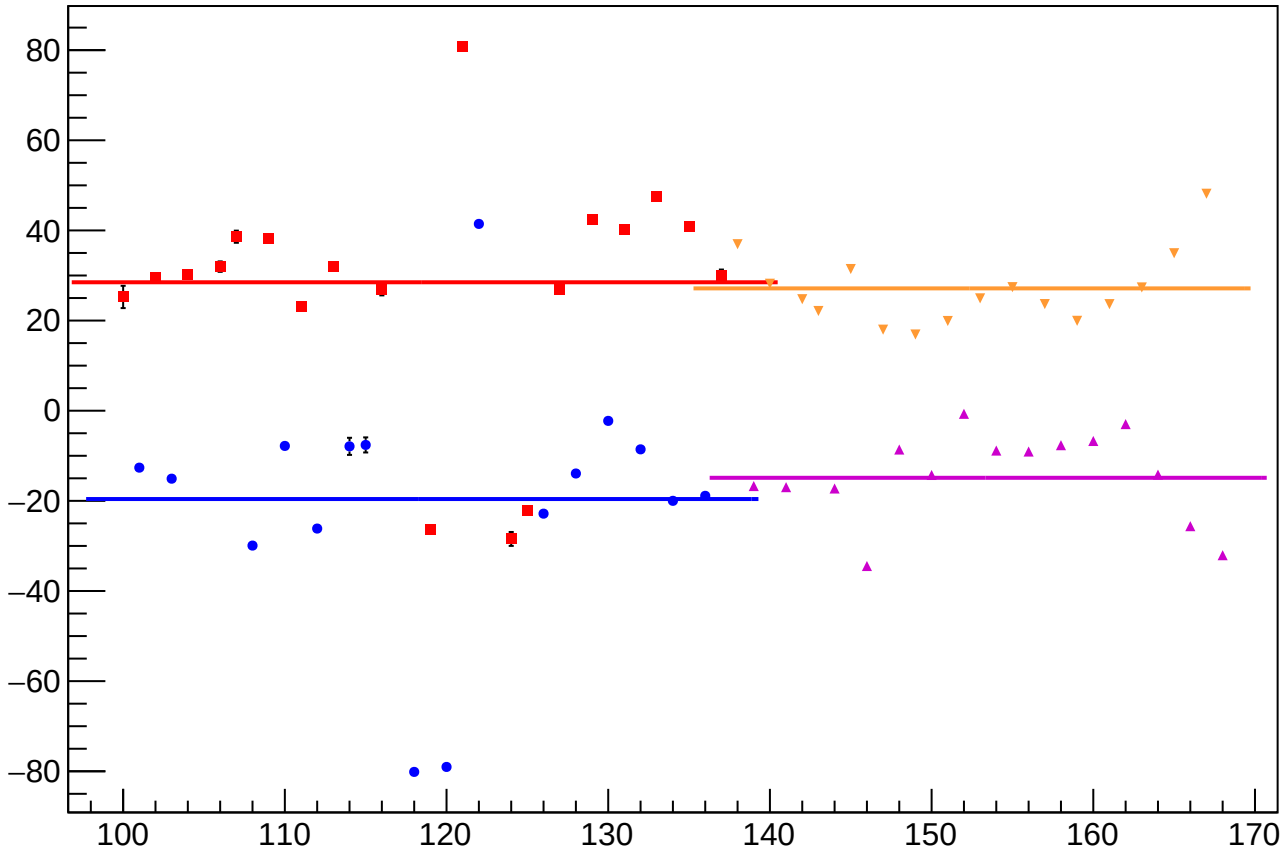
Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 843.827+/-0.171 χ^2/NDF:378173.5/14

+ sign 870.969+/-0.139 χ^2/NDF: 558752.0/31

All: 873.458+/-0.099 χ^2/NDF: 1145947.4/65

- sign 875.972+/-0.140 χ^2/NDF: 586552.6/33



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 27.140+/-0.186 χ^2/NDF:2042.6/15

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

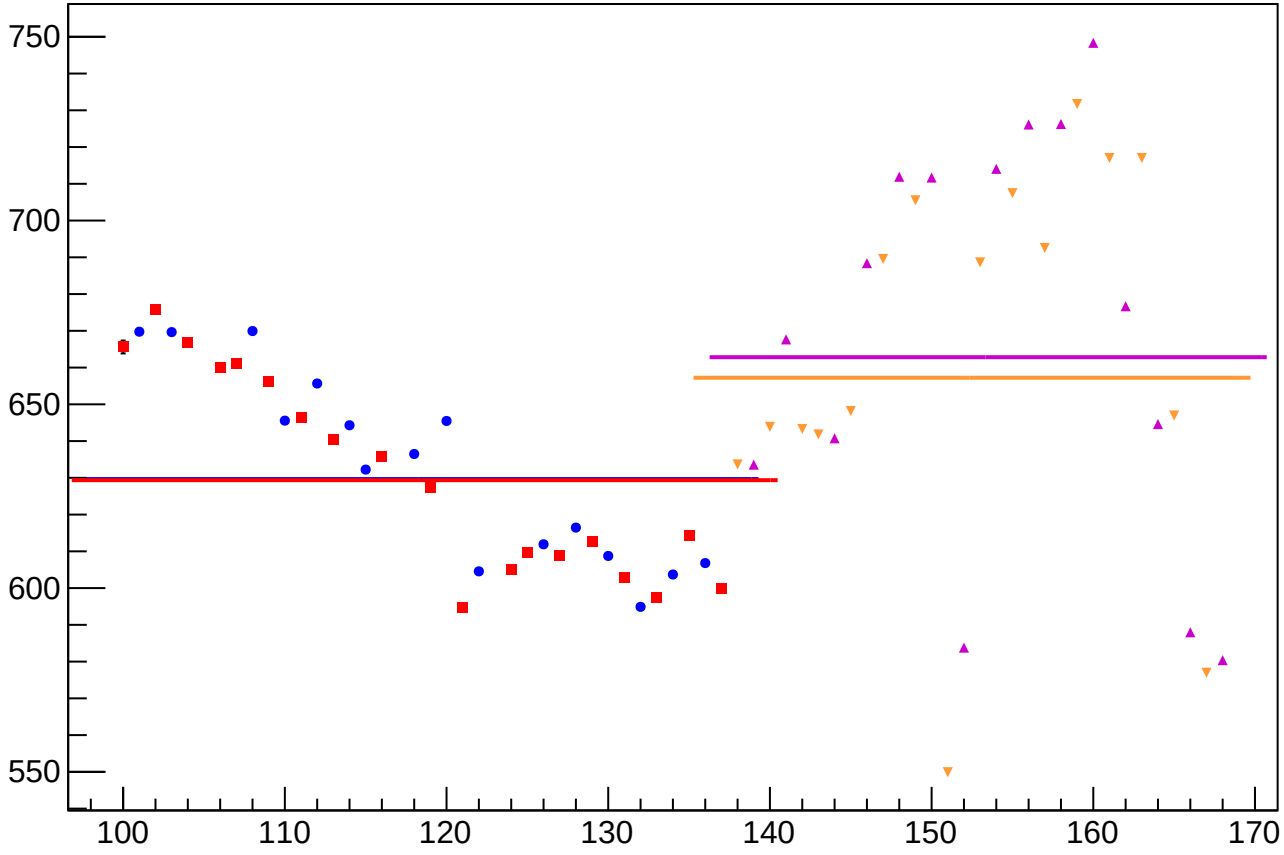
Left In: -14.884+/-0.189 χ^2/NDF:2824.7/14

+ sign 9.074+/-0.146 χ^2/NDF: 39673.5/31

All: 5.870+/-0.103 χ^2/NDF: 77701.6/65

- sign 2.645+/-0.146 χ^2/NDF: 37055.1/33

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 657.231+/-0.131 χ^2/NDF:168815.2/15

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

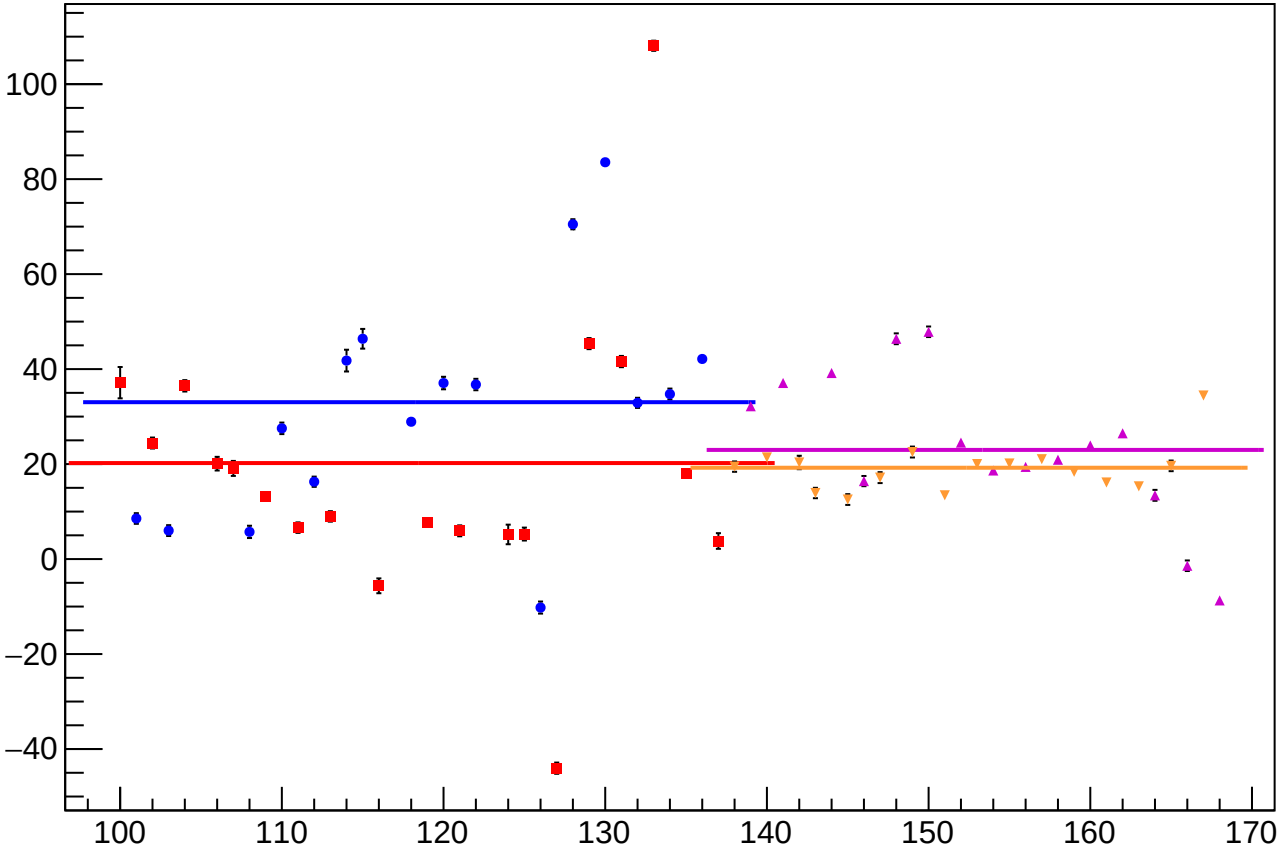
Left In: 662.824+/-0.134 χ^2/NDF:167558.0/14

+ sign 646.574+/-0.103 χ^2/NDF: 211155.3/31

All: 647.934+/-0.073 χ^2/NDF: 431155.4/65

- sign 649.303+/-0.103 χ^2/NDF: 219649.5/33

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 19.230+/-0.264 χ^2/NDF:411.5/15

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

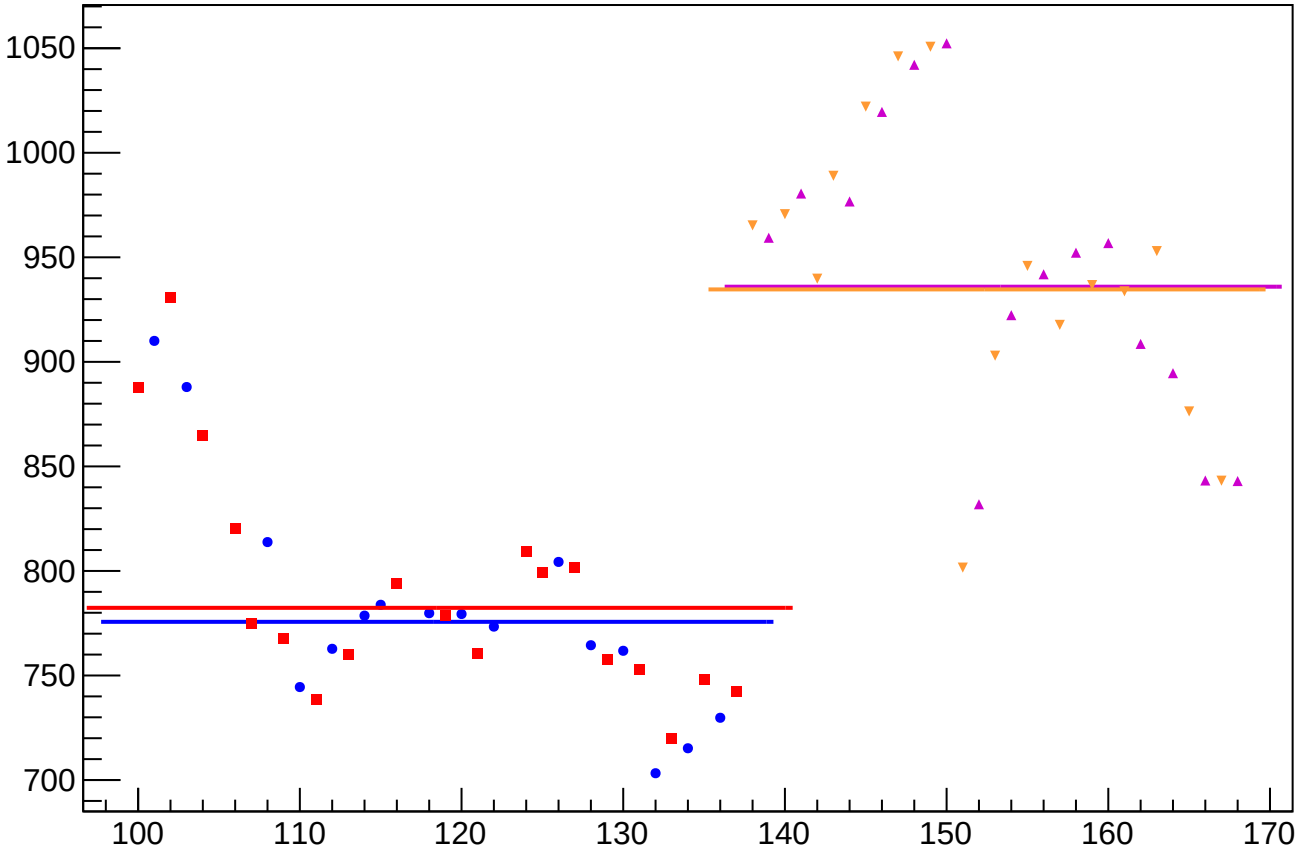
Left In: 22.985+/-0.267 χ^2/NDF:3291.4/14

+ sign 25.506+/-0.195 χ^2/NDF: 8356.4/31

All: 23.603+/-0.138 χ^2/NDF: 23758.6/65

- sign 21.697+/-0.195 χ^2/NDF: 15211.2/33

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 934.648+/-0.187 χ^2/NDF:134323.5/15

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

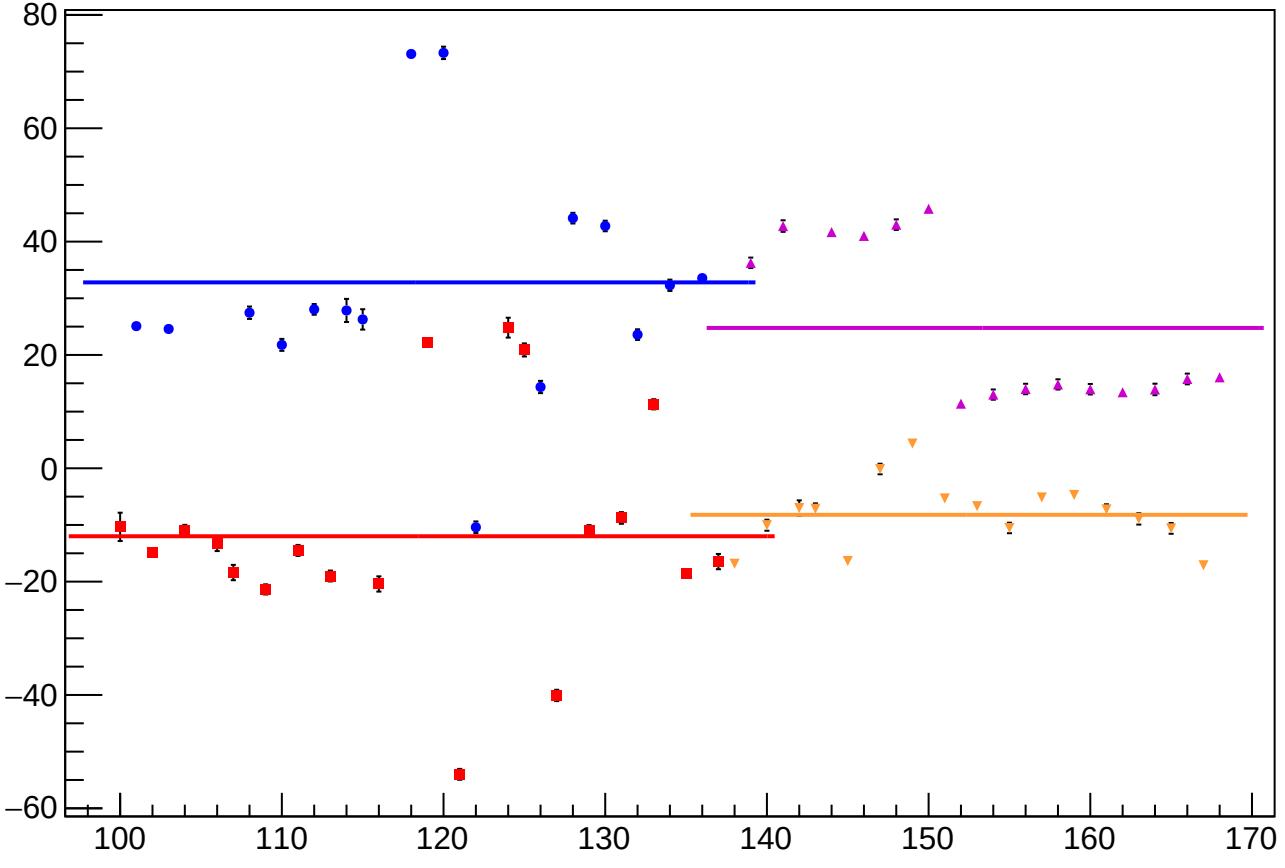
Left In: 935.950+/-0.189 χ^2/NDF:126887.8/14

\+ sign 862.366+/-0.138 χ^2/NDF: 539271.2/31

All: 863.441+/-0.097 χ^2/NDF: 1039488.8/65

\- sign 864.518+/-0.138 χ^2/NDF: 500095.6/33

diff_bpm1i04Y_mean vs Slug



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -8.211+/-0.224 χ^2/NDF:655.9/15

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

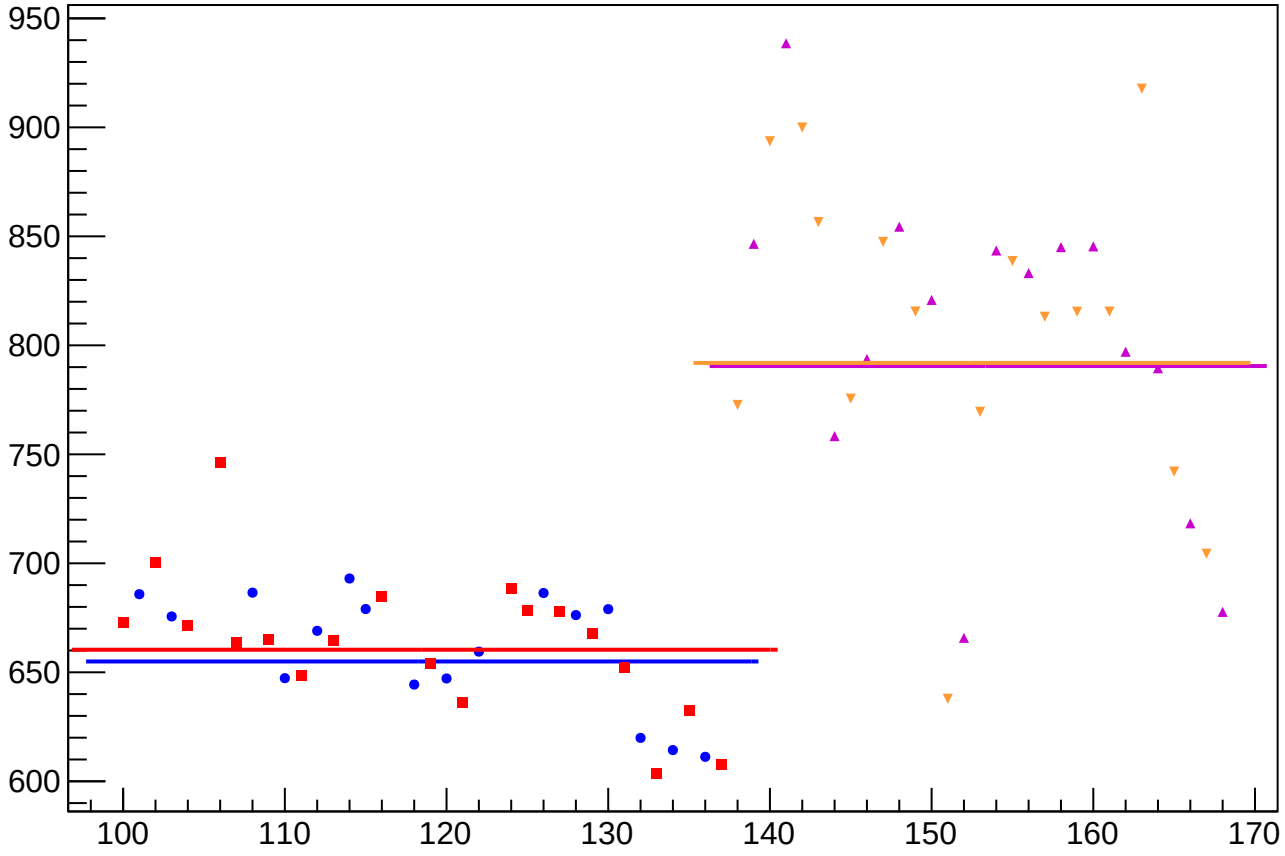
Left In: 24.767+/-0.226 χ^2/NDF:3668.9/14

+ sign 10.621+/-0.165 χ^2/NDF: 22257.2/31

All: 9.086+/-0.117 χ^2/NDF: 45015.9/65

- sign 7.550+/-0.165 χ^2/NDF: 22585.5/33

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 791.932+/-0.159 χ^2/NDF:224756.3/15

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

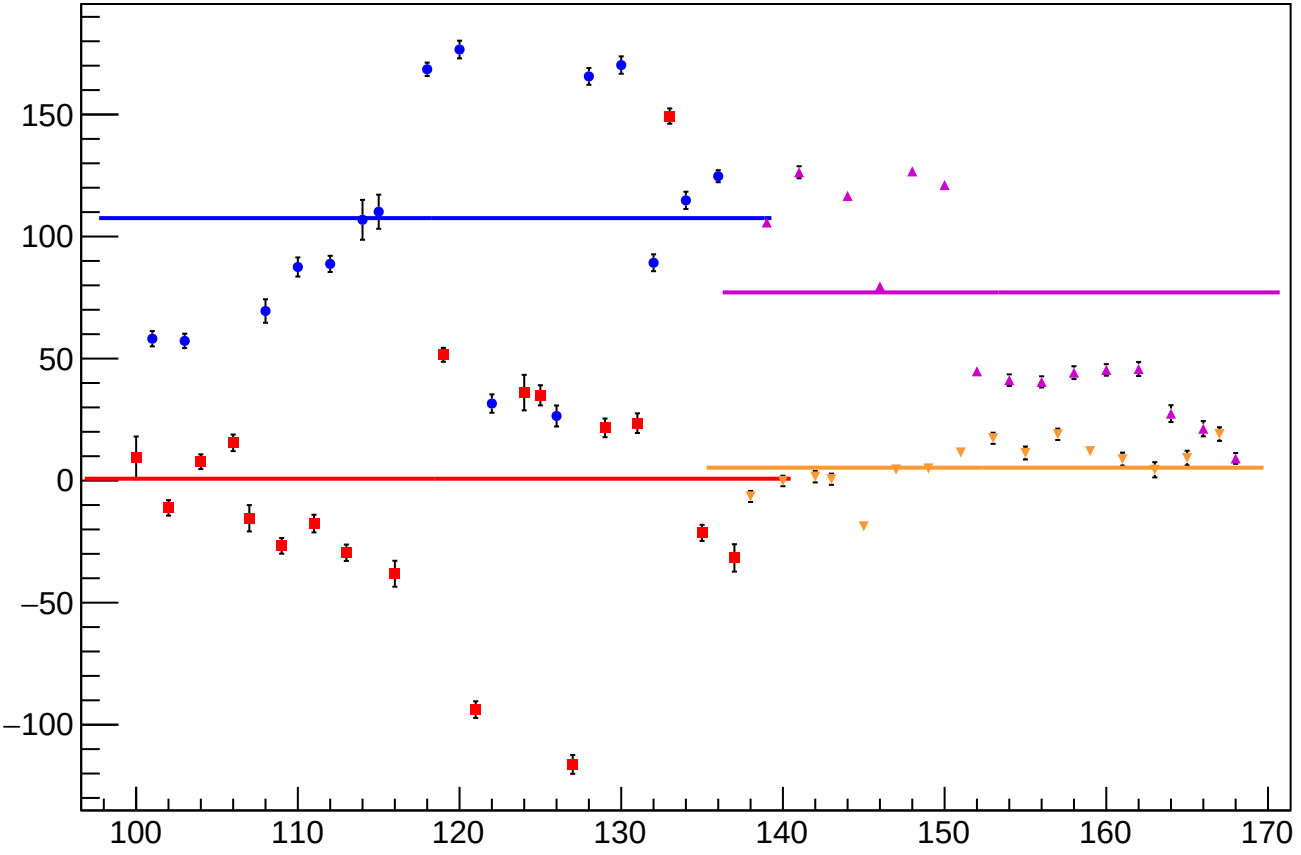
Left In: 790.504+/-0.160 χ^2/NDF:209466.3/14

+ sign 729.046+/-0.117 χ^2/NDF: 593672.8/31

All: 729.297+/-0.083 χ^2/NDF: 1143344.8/65

- sign 729.549+/-0.117 χ^2/NDF: 549662.7/33

diff_bpm1i06X_mean vs Slug



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 5.297+/-0.557 χ^2/NDF:306.9/15

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

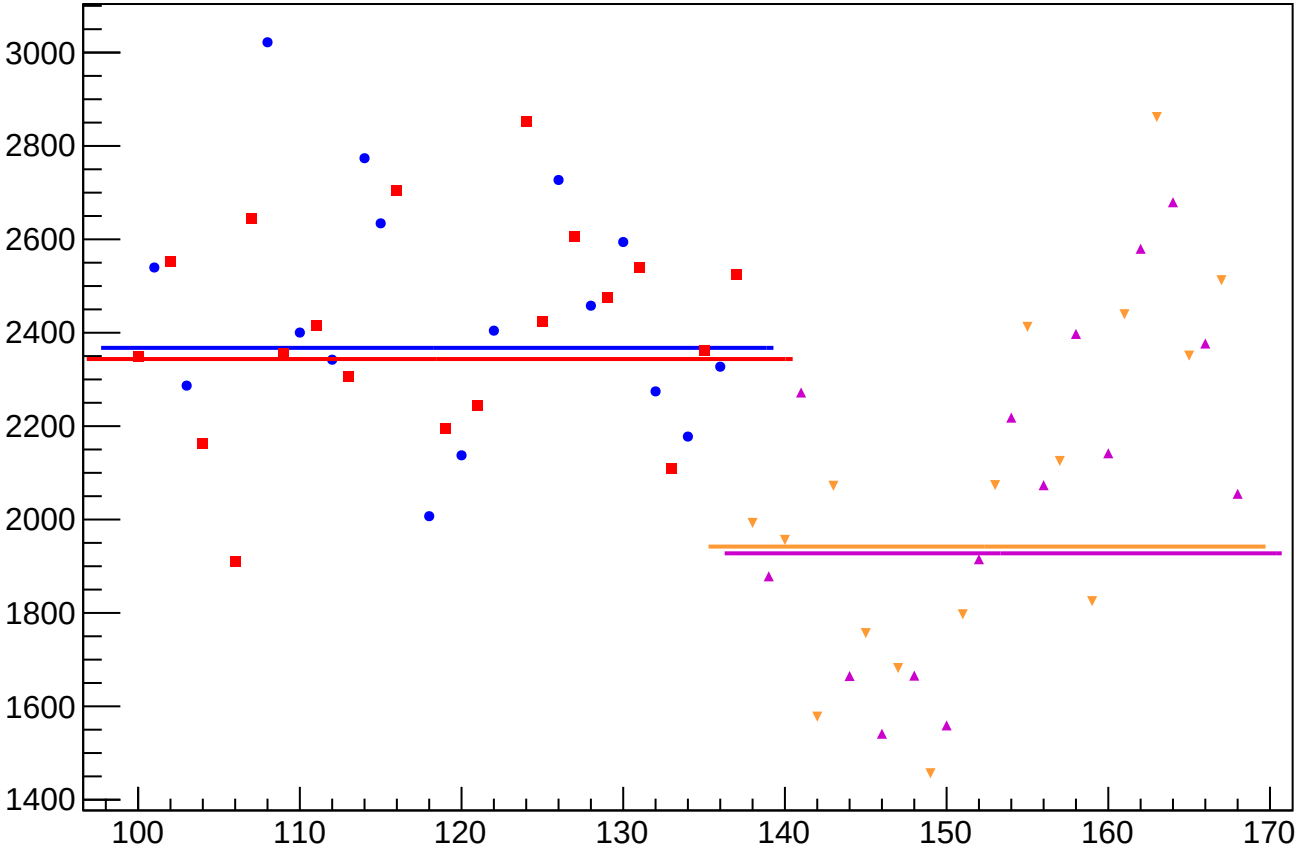
Left In: 77.112+/-0.560 χ^2/NDF:5174.2/14

\+ sign 34.290+/-0.471 χ^2/NDF: 12819.4/31

All: 44.411+/-0.333 χ^2/NDF: 29200.7/65

\- sign 54.436+/-0.469 χ^2/NDF: 15463.9/33

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1942.079+/-0.394 χ^2/NDF:757066.9/15

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

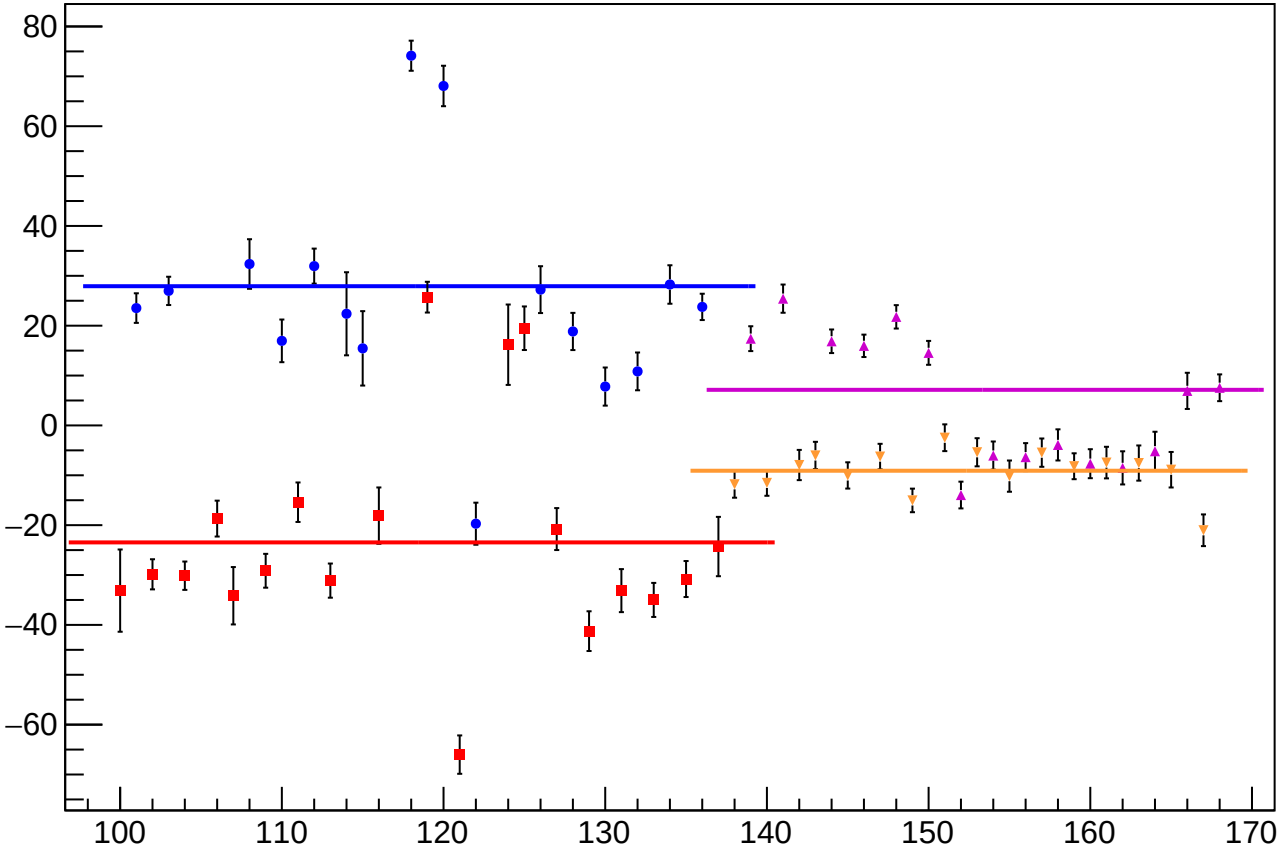
Left In: 1927.637+/-0.396 χ^2/NDF:700585.7/14

+ sign 2062.745+/-0.333 χ^2/NDF: 1214891.8/31

All: 2056.969+/-0.235 χ^2/NDF: 2356768.4/65

- sign 2051.248+/-0.332 χ^2/NDF: 1141279.1/33

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -9.086+/-0.707 χ^2/NDF:35.3/15

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

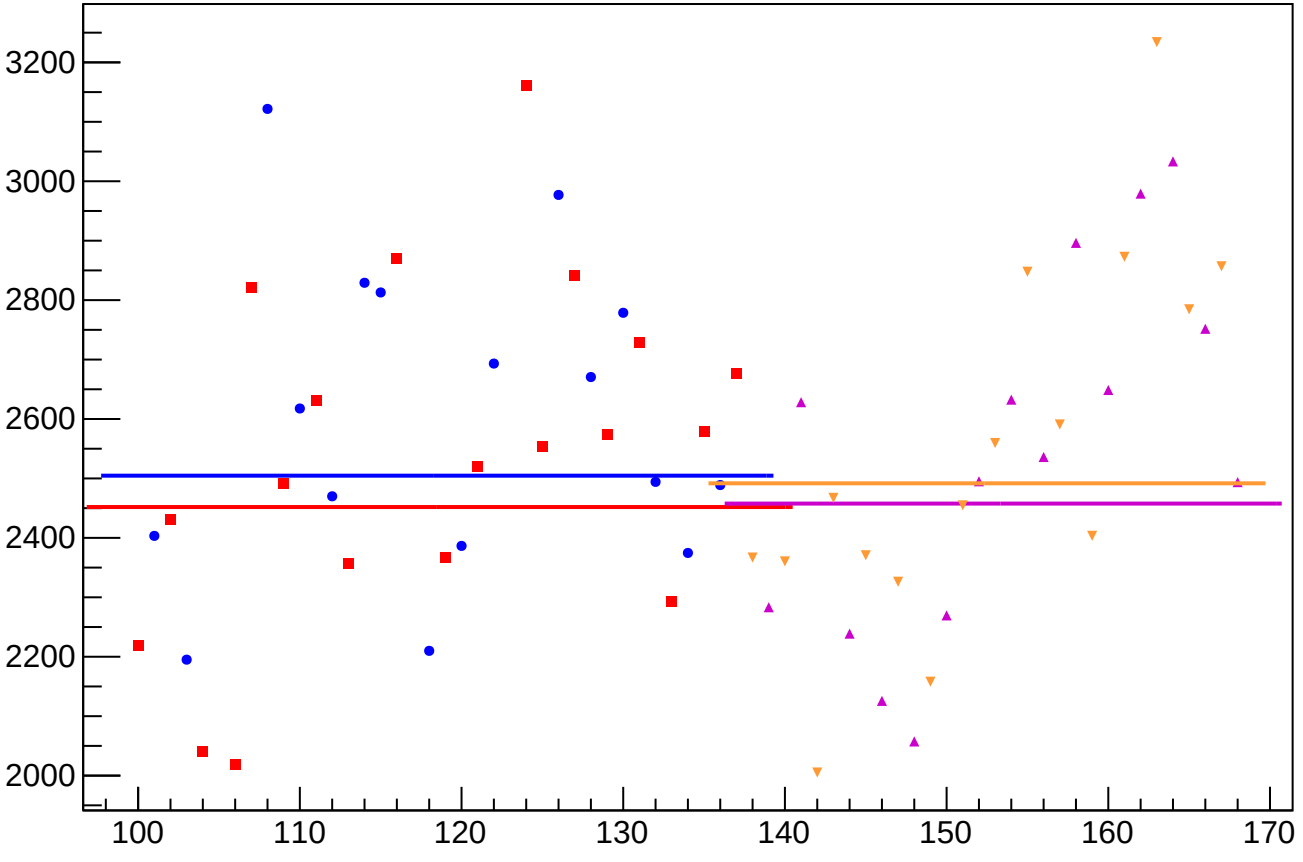
Left In: 7.138+/-0.707 χ^2/NDF:317.1/14

+ sign 4.330+/-0.564 χ^2/NDF: 1560.5/31

All: -0.139+/-0.396 χ^2/NDF: 3281.7/65

- sign -4.487+/-0.556 χ^2/NDF: 1597.3/33

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2491.785+/-0.500 χ^2/NDF:303169.0/15

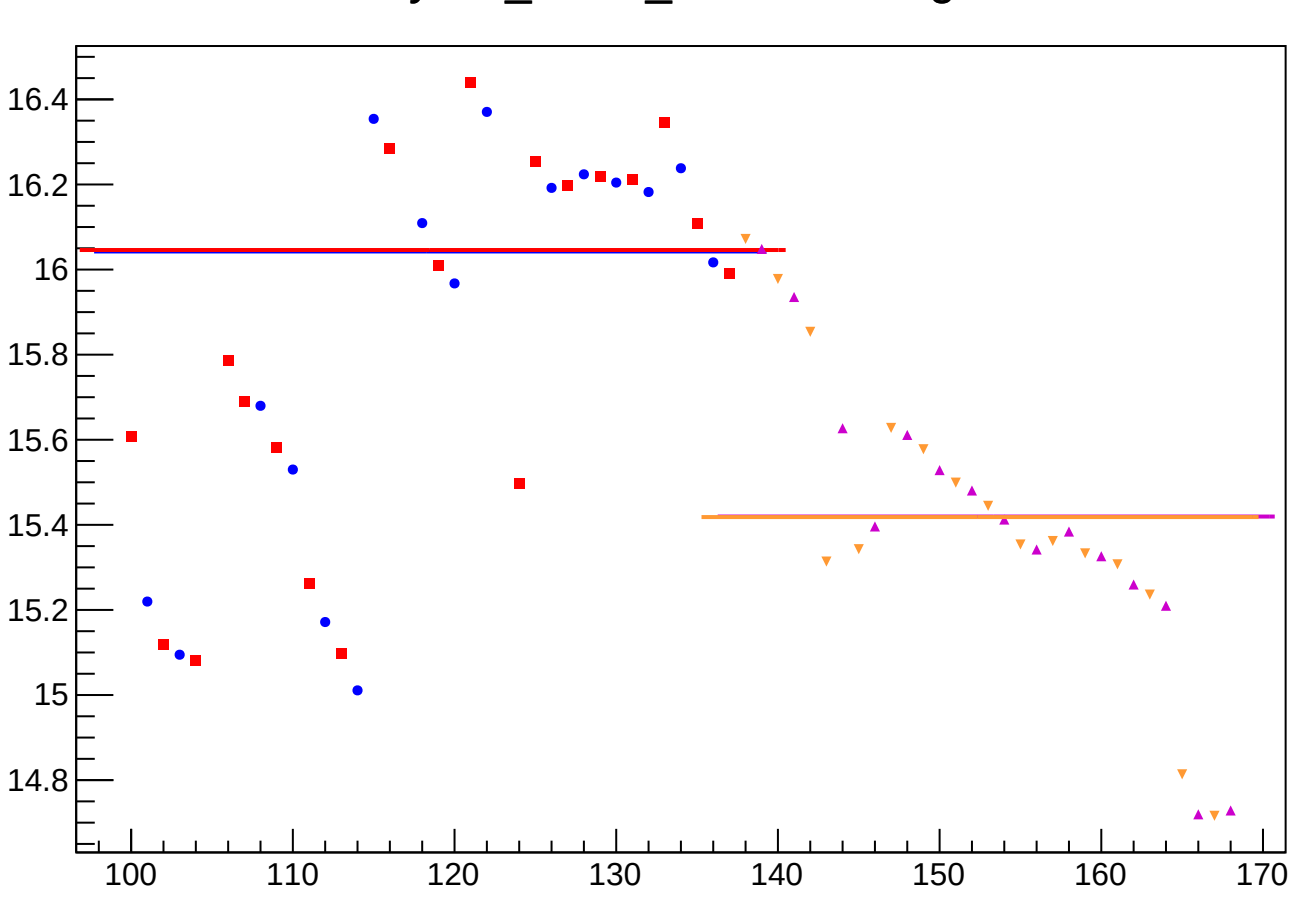
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2457.686+/-0.500 χ^2/NDF:312386.5/14

+ sign 2496.451+/-0.399 χ^2/NDF: 430008.7/31

All: 2475.685+/-0.280 χ^2/NDF: 901031.7/65

- sign 2455.480+/-0.393 χ^2/NDF: 465674.9/33



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.418+/-0.000 χ^2/NDF:12956900997.3/15

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

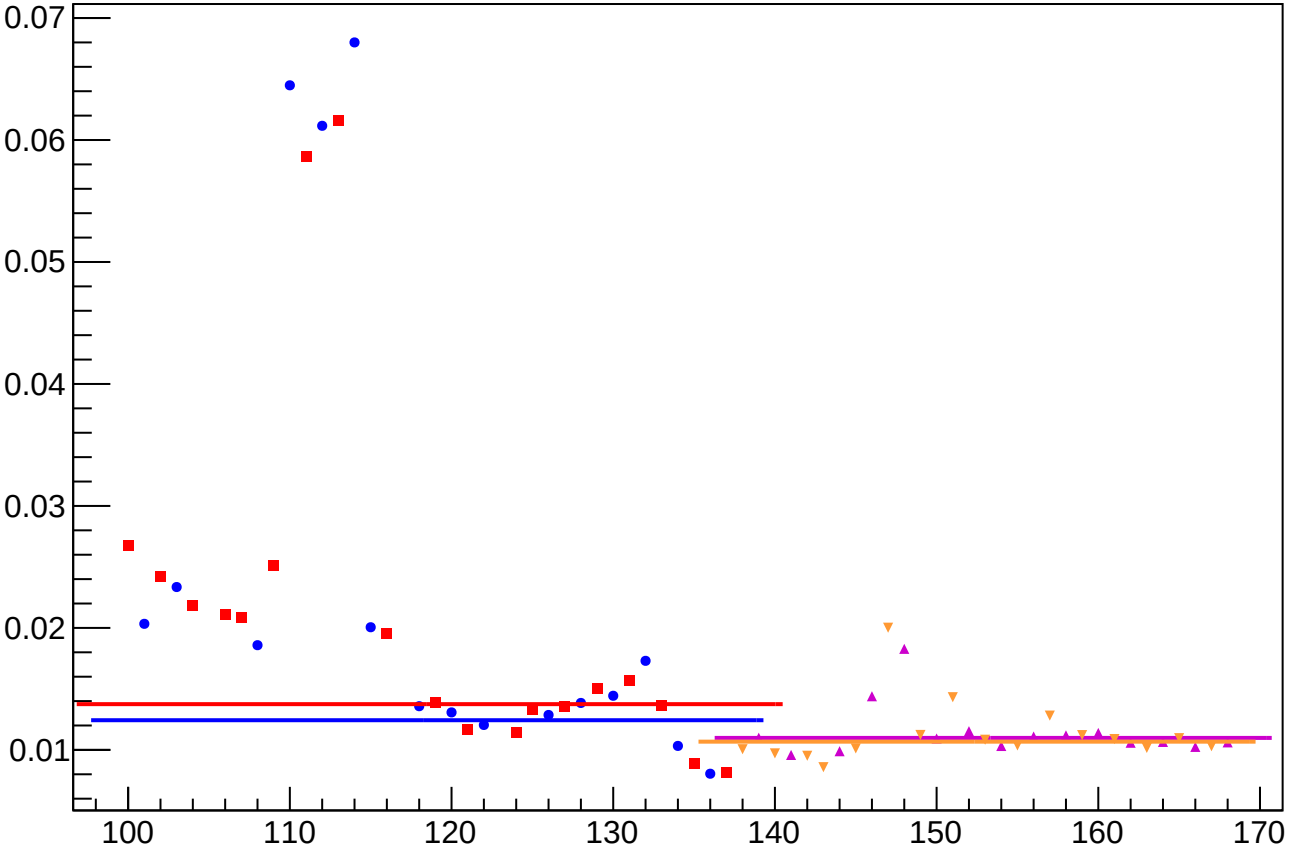
Left In: 15.420+/-0.000 χ^2/NDF:12159886096.5/14

+ sign 15.579+/-0.000 χ^2/NDF: 26104169285.8/31

All: 15.574+/-0.000 χ^2/NDF: 50805672201.1

- sign 15.569+/-0.000 χ^2/NDF: 24695295740.5/33

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:638291.9/15

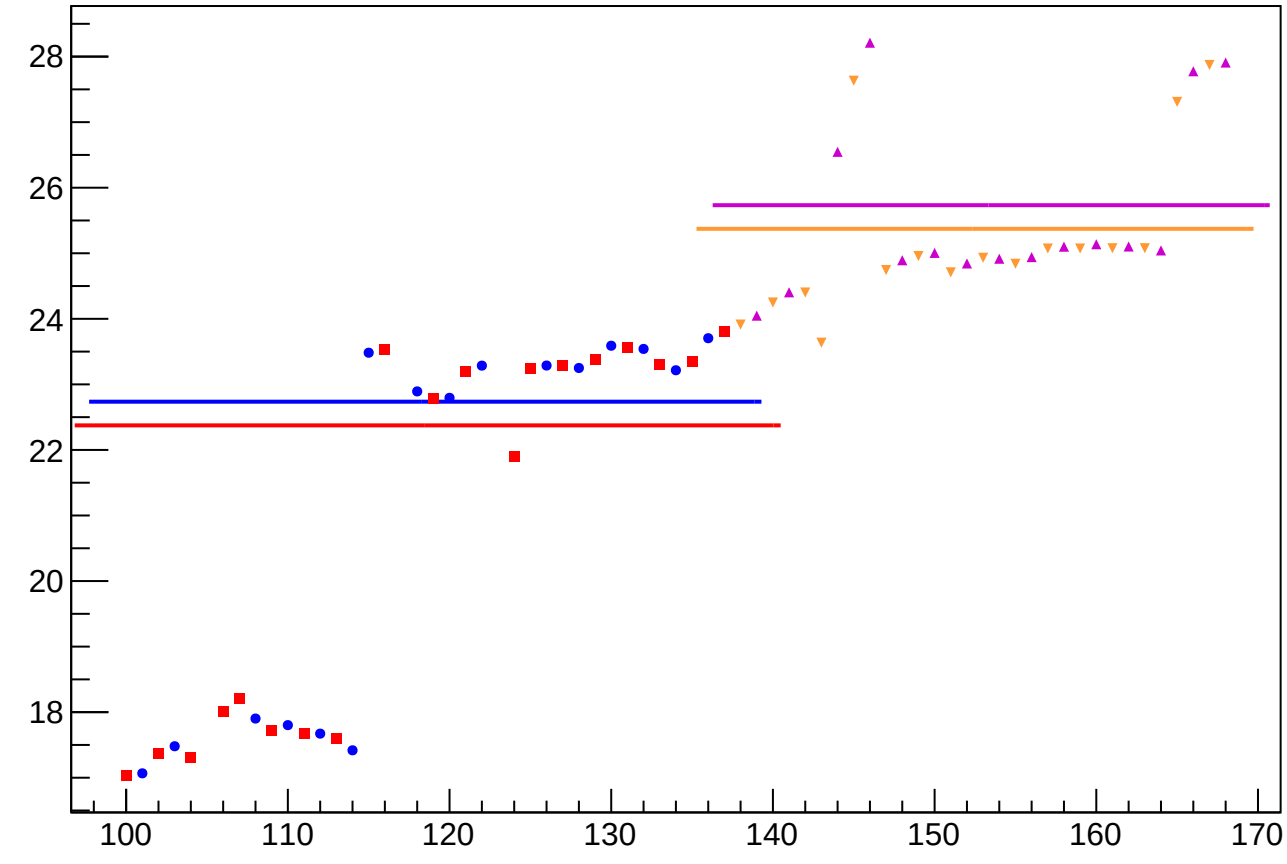
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:423152.1/14

+ sign 0.011+/-0.000 χ^2/NDF: 3118431.9/31

All: 0.011+/-0.000 χ^2/NDF: 6158132.8/65

- sign 0.012+/-0.000 χ^2/NDF: 3004563.3/33



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 25.373+/-0.000 χ^2/NDF:1524369059.2/15

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

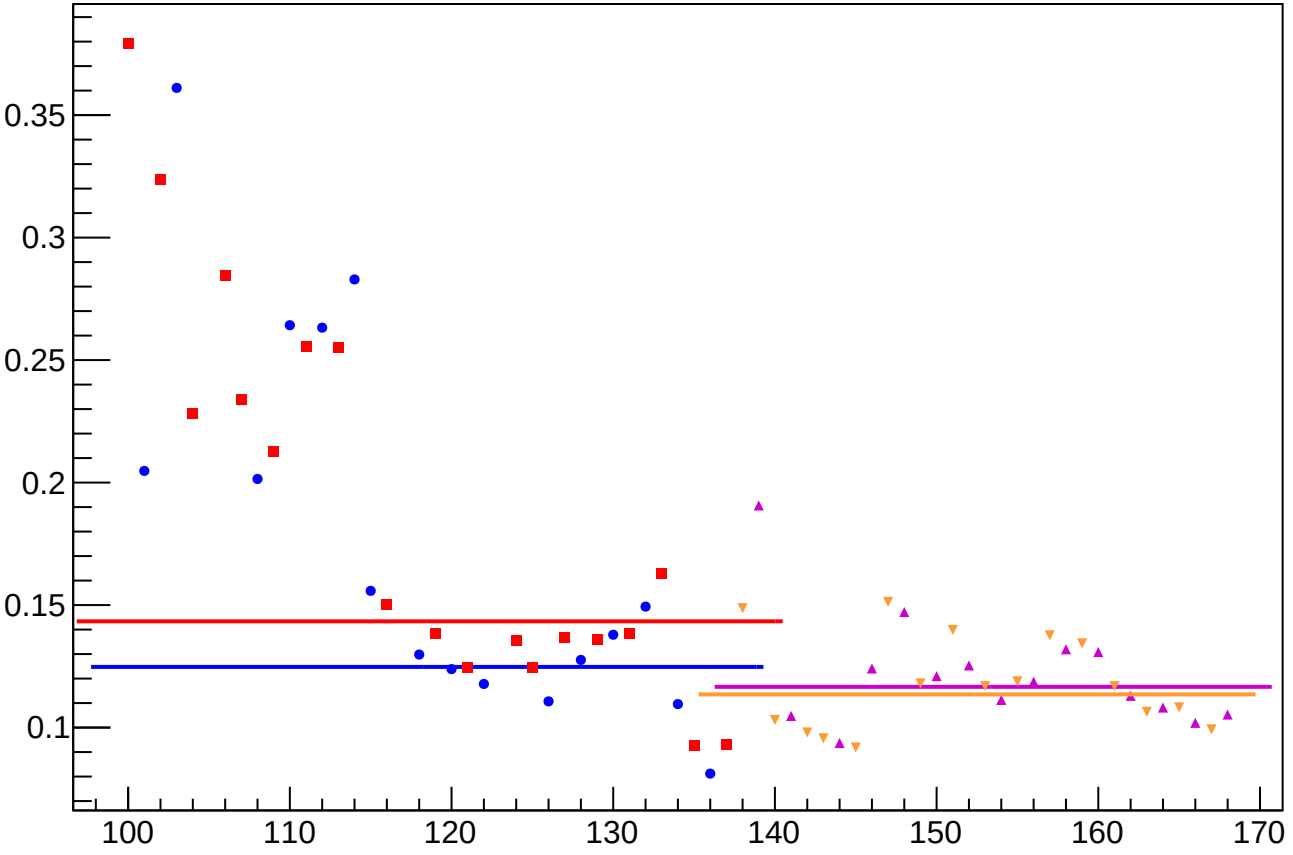
Left In: 25.733+/-0.000 χ^2/NDF:1320455448.8/14

+ sign 24.600+/-0.000 χ^2/NDF: 4434110013.5/31

All: 24.717+/-0.000 χ^2/NDF: 9324441461.9/6

- sign 24.846+/-0.000 χ^2/NDF: 4856644180.1/33

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.114+/-0.000 χ^2/NDF:503511.3/15

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

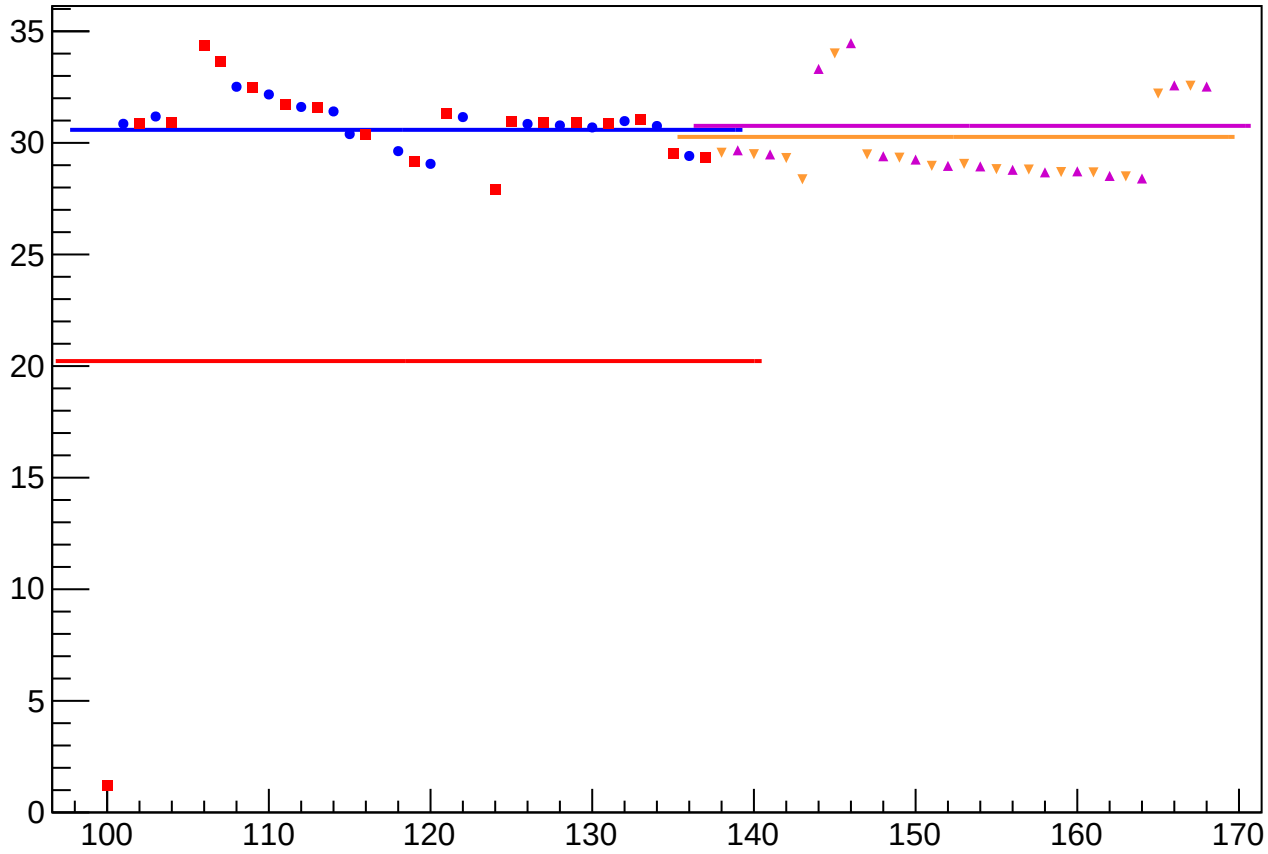
Left In: 0.117+/-0.000 χ^2/NDF:529359.9/14

+ sign 0.117+/-0.000 χ^2/NDF: 2314483.7/31

All: 0.120+/-0.000 χ^2/NDF: 4760404.5/65

- sign 0.124+/-0.000 χ^2/NDF: 2393502.5/33

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.268+/-0.000 χ^2/NDF:8818593147.2/15

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

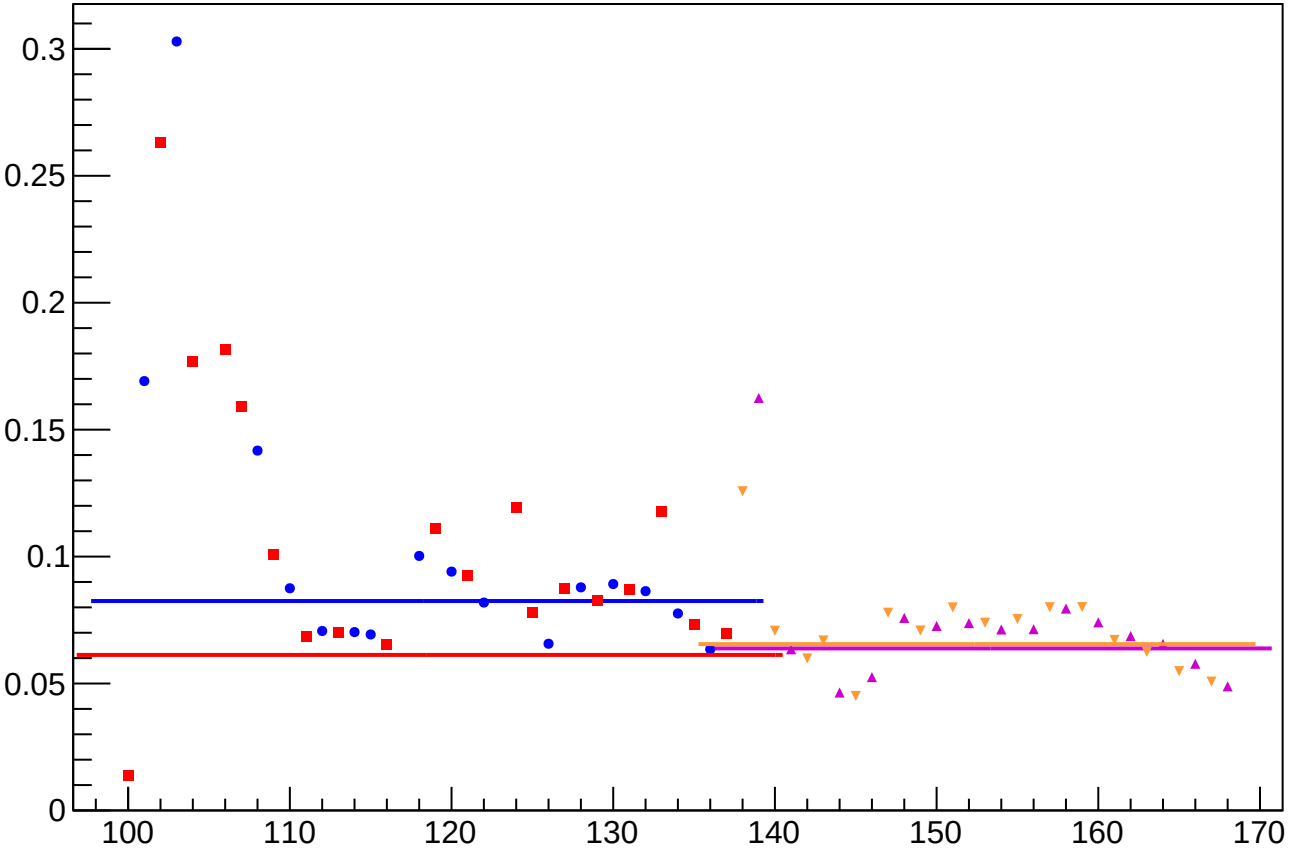
Left In: 30.763+/-0.000 χ^2/NDF:11078913237.6/14

+ sign 30.350+/-0.000 χ^2/NDF: 9528365685.2/31

All: 28.768+/-0.000 χ^2/NDF: 337891282853.

- sign 27.365+/-0.000 χ^2/NDF: 314231181989.8/33

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.066+/-0.000 χ^2/NDF:922909.0/15

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

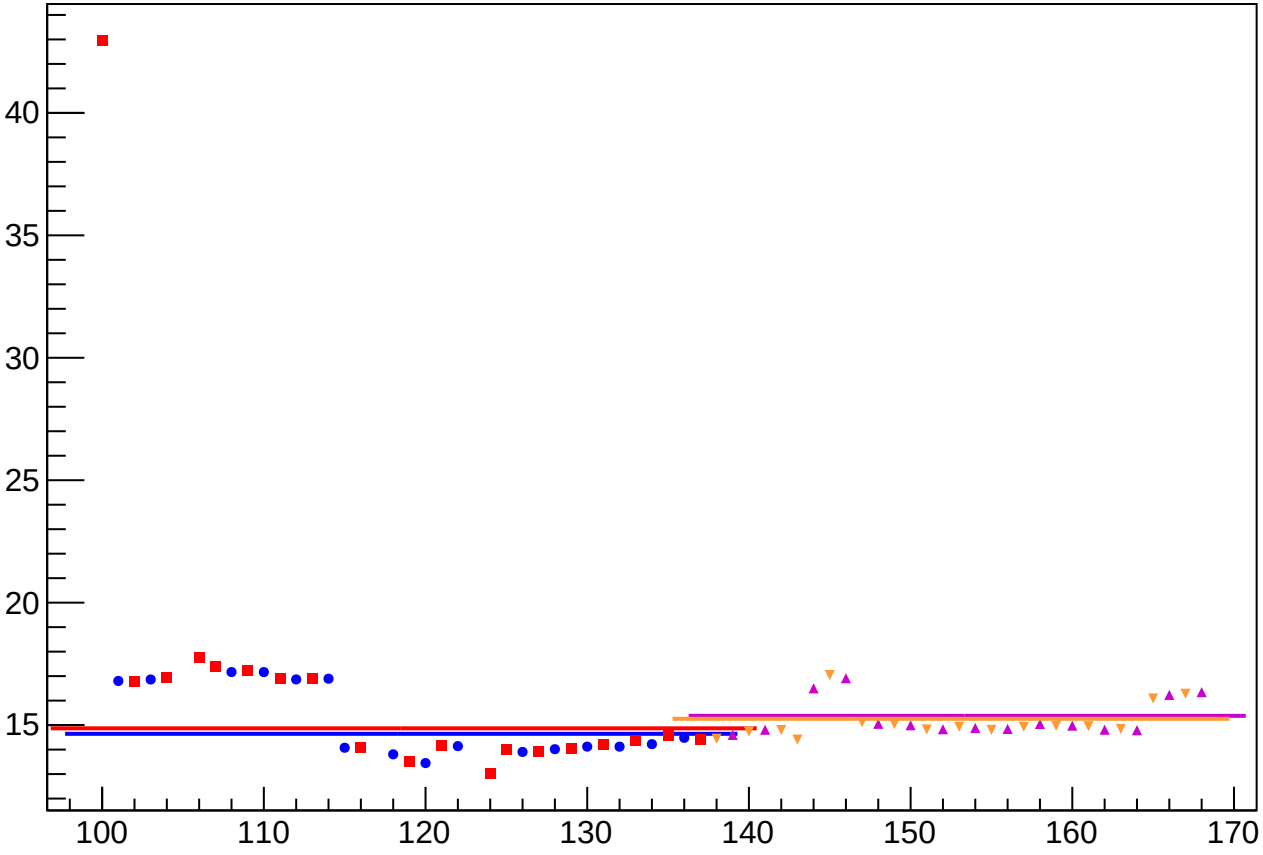
Left In: 0.064+/-0.000 χ^2/NDF:1189622.3/14

+ sign 0.070+/-0.000 χ^2/NDF: 2515233.1/31

All: 0.066+/-0.000 χ^2/NDF: 7880417.8/65

- sign 0.063+/-0.000 χ^2/NDF: 5213564.5/33

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.258+/-0.000 χ^2/NDF:1374221539.6/15

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

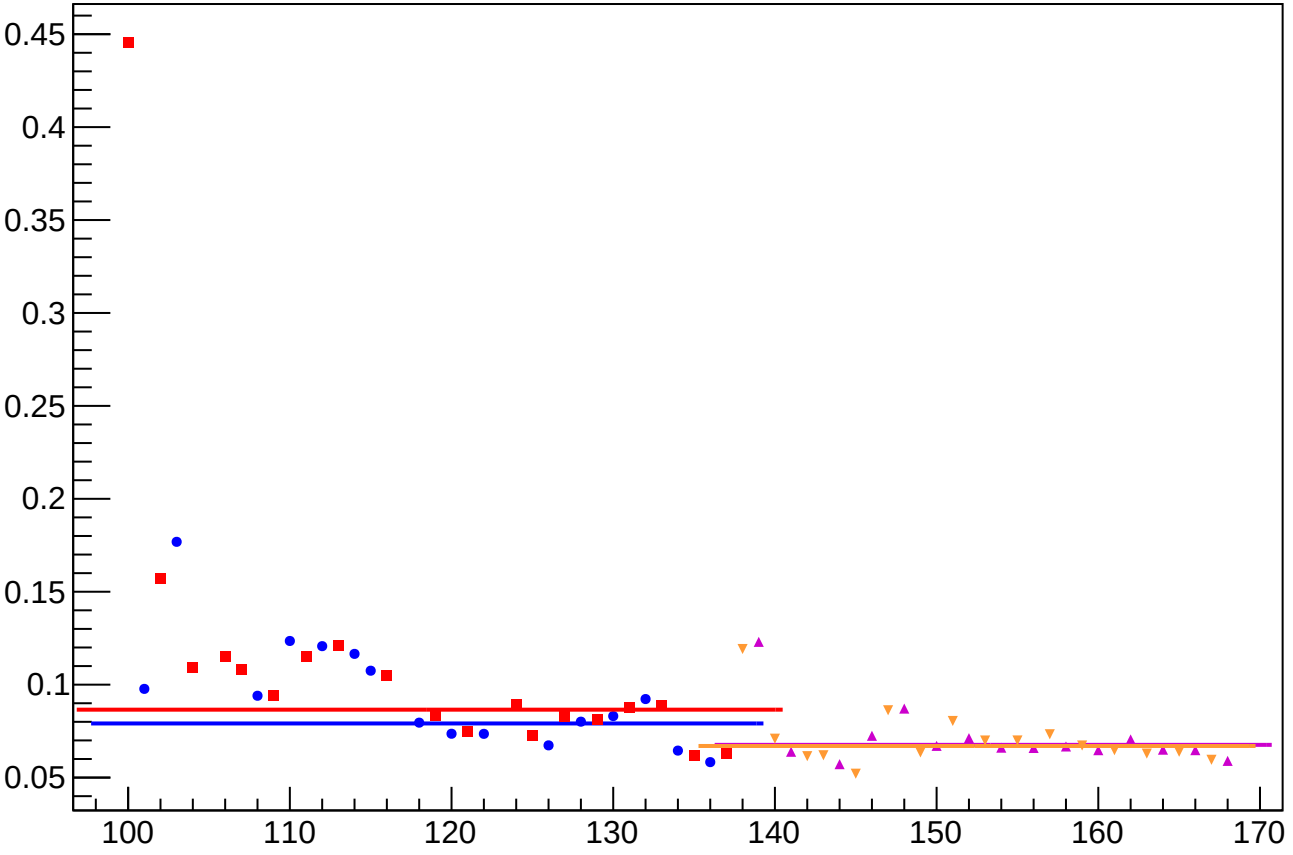
Left In: 15.378+/-0.000 χ^2/NDF:1284853318.9/14

+ sign 15.083+/-0.000 χ^2/NDF: 2820434979.4/31

All: 15.161+/-0.000 χ^2/NDF: 6033619639.0/6

- sign 15.243+/-0.000 χ^2/NDF: 3171907660.6/33

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.067+/-0.000 χ^2/NDF:561843.6/15

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

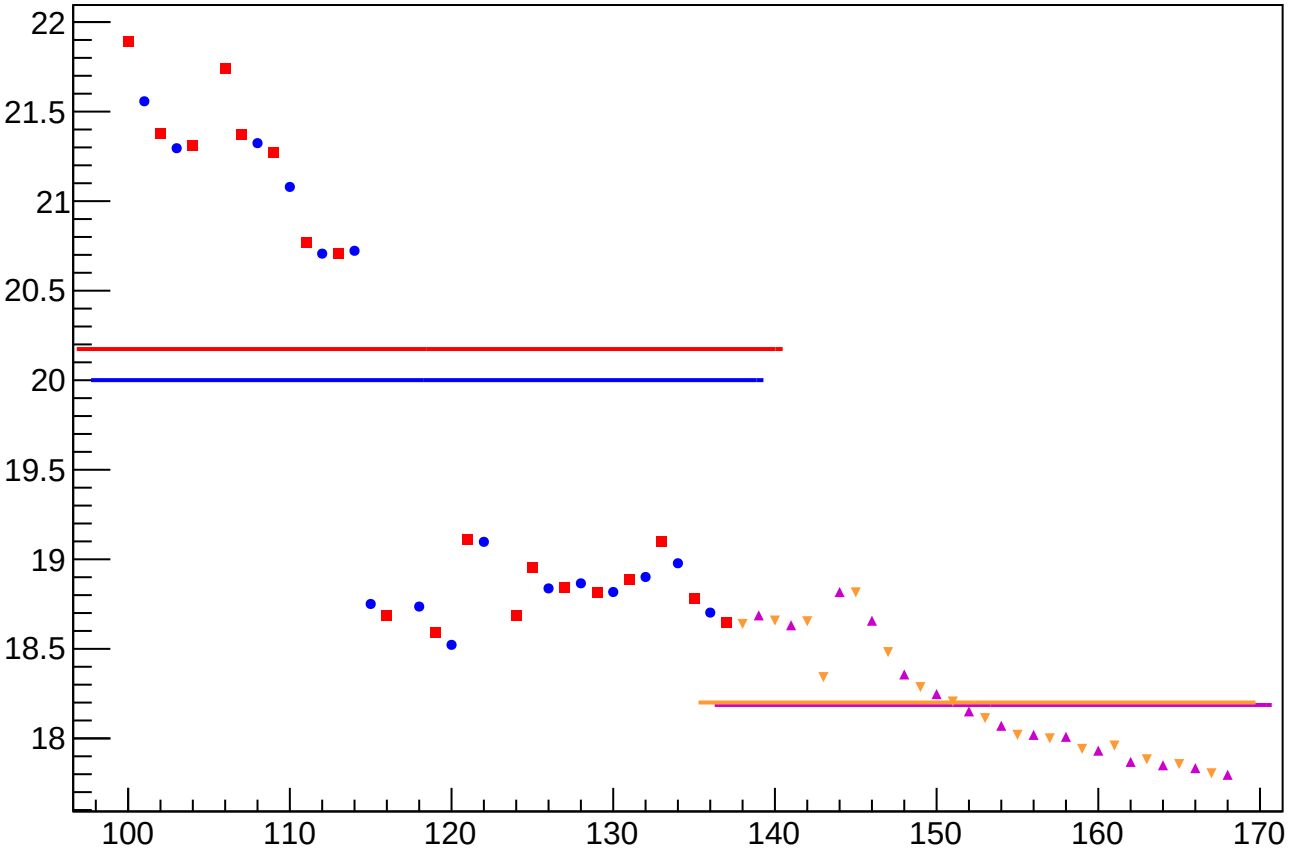
Left In: 0.068+/-0.000 χ^2/NDF:512999.8/14

+ sign 0.070+/-0.000 χ^2/NDF: 1676879.3/31

All: 0.072+/-0.000 χ^2/NDF: 3430719.0/65

- sign 0.073+/-0.000 χ^2/NDF: 1739180.9/33

yield_sam5_mean vs Slug



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.200+/-0.000 χ^2/NDF:1197450854.9/15

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

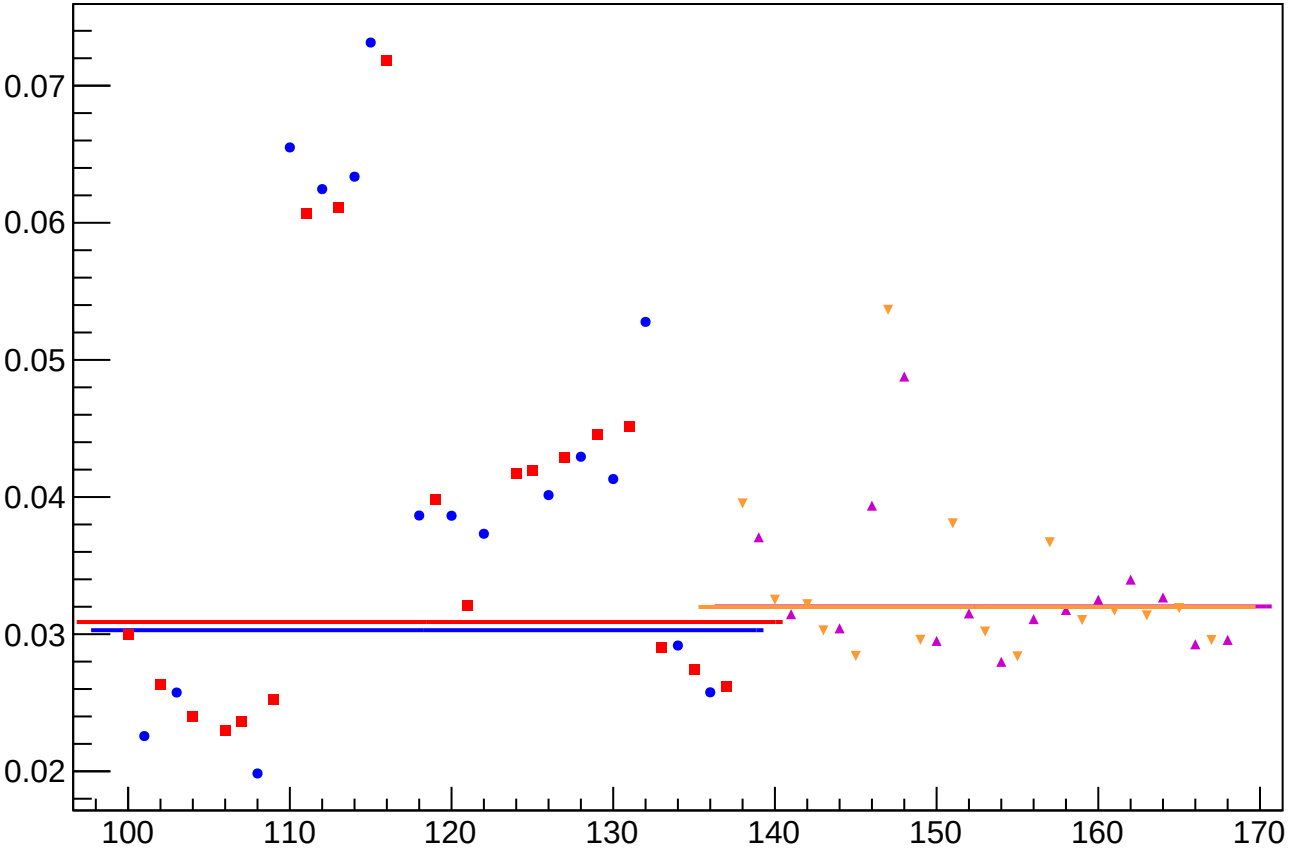
Left In: 18.187+/-0.000 χ^2/NDF:1274904630.4/14

+ sign 18.847+/-0.000 χ^2/NDF: 25575809605.7/31

All: 18.878+/-0.000 χ^2/NDF: 53689197420.3

- sign 18.910+/-0.000 χ^2/NDF: 28076898584.1/33

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.032+/-0.000 χ^2/NDF:465593.7/15

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

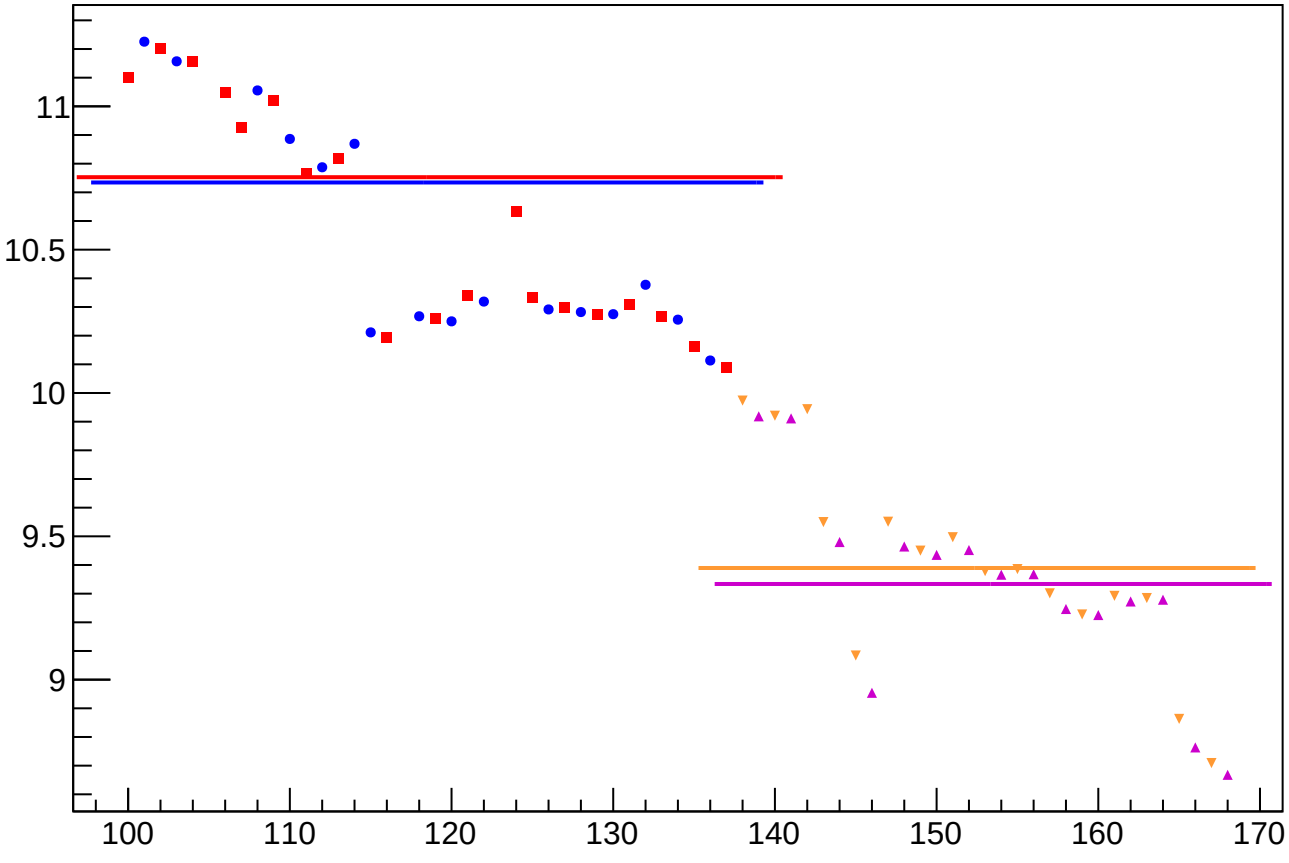
Left In: 0.032+/-0.000 χ^2/NDF:355958.7/14

+ sign 0.031+/-0.000 χ^2/NDF: 1936830.4/31

All: 0.031+/-0.000 χ^2/NDF: 3509210.7/65

- sign 0.032+/-0.000 χ^2/NDF: 1571393.0/33

yield_sam6_mean vs Slug



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.390+/-0.000 χ^2/NDF:3335535473.0/15

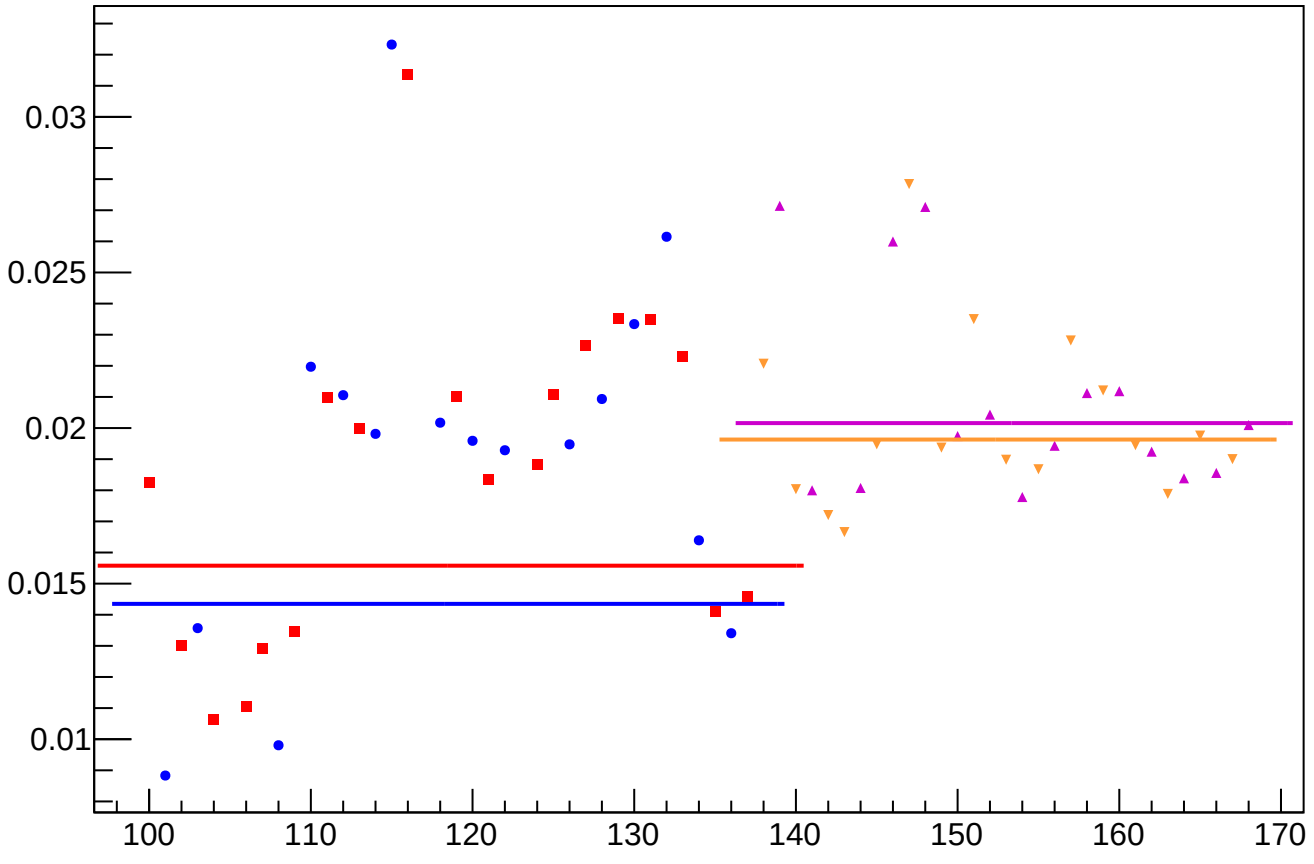
Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.334+/-0.000 χ^2/NDF:2911681974.0/14

+ sign 10.039+/-0.000 χ^2/NDF: 35037527243.0/31

All: 10.028+/-0.000 χ^2/NDF: 68983658439.9

- sign 10.016+/-0.000 χ^2/NDF: 33931395032.0/33



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:332106.7/15

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

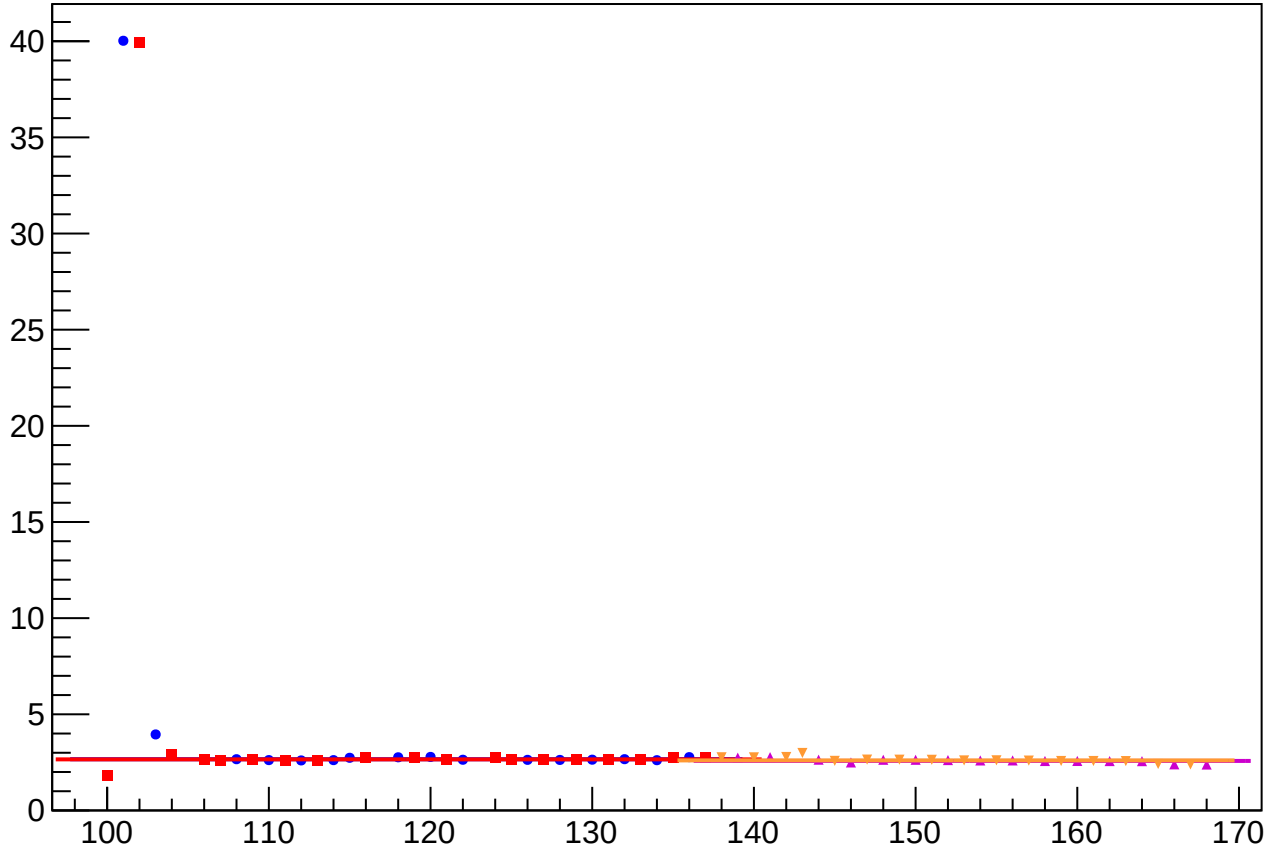
Left In: 0.020+/-0.000 χ^2/NDF:399954.3/14

+ sign 0.017+/-0.000 χ^2/NDF: 2610303.3/31

All: 0.018+/-0.000 χ^2/NDF: 4680775.6/65

- sign 0.018+/-0.000 χ^2/NDF: 2028211.0/33

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.602+/-0.000 χ^2/NDF:37395062898.0/15

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

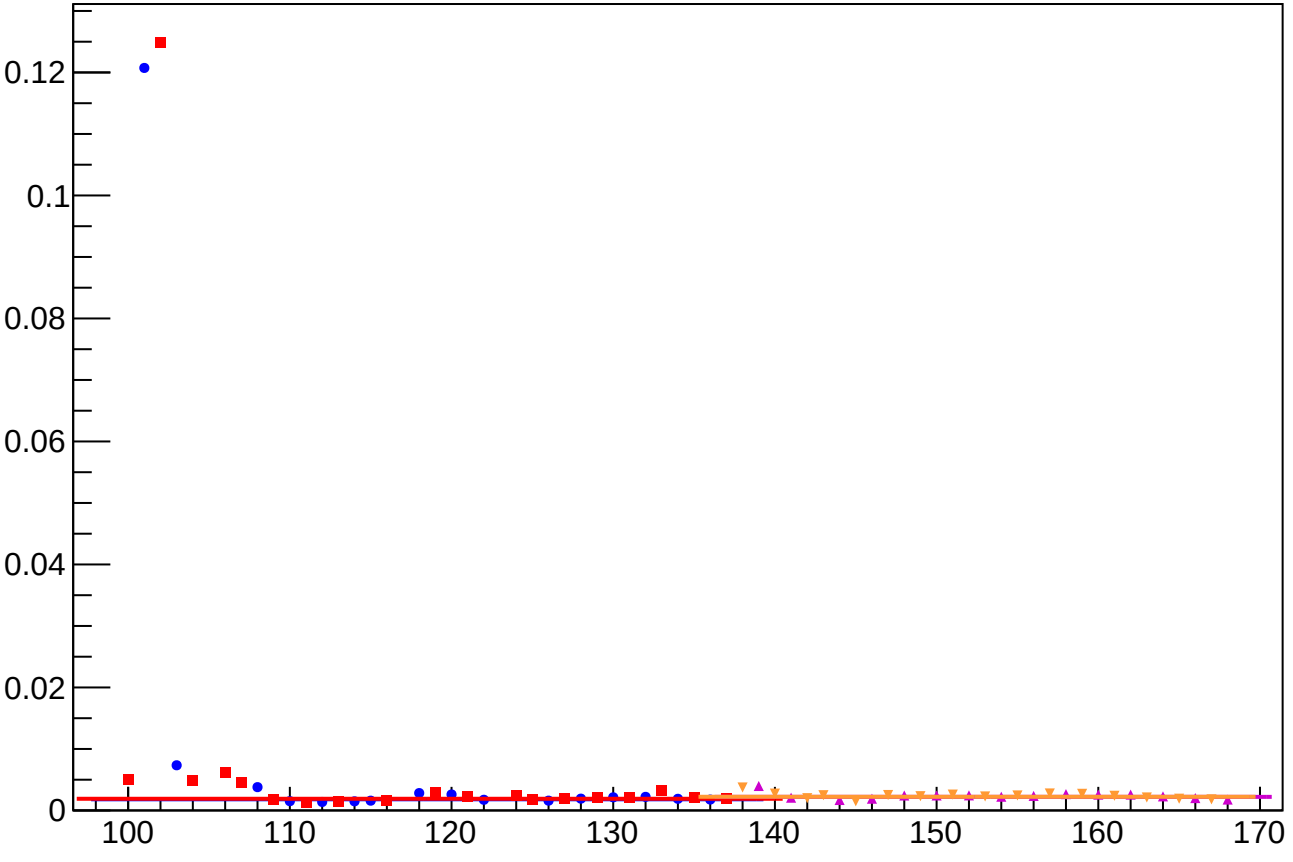
Left In: 2.575+/-0.000 χ^2/NDF:23117439443.9/14

+ sign 2.628+/-0.000 χ^2/NDF: 108466190999.3/31

All: 2.618+/-0.000 χ^2/NDF: 202762821945.6

- sign 2.608+/-0.000 χ^2/NDF: 93657299919.6/33

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:875661.8/15

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

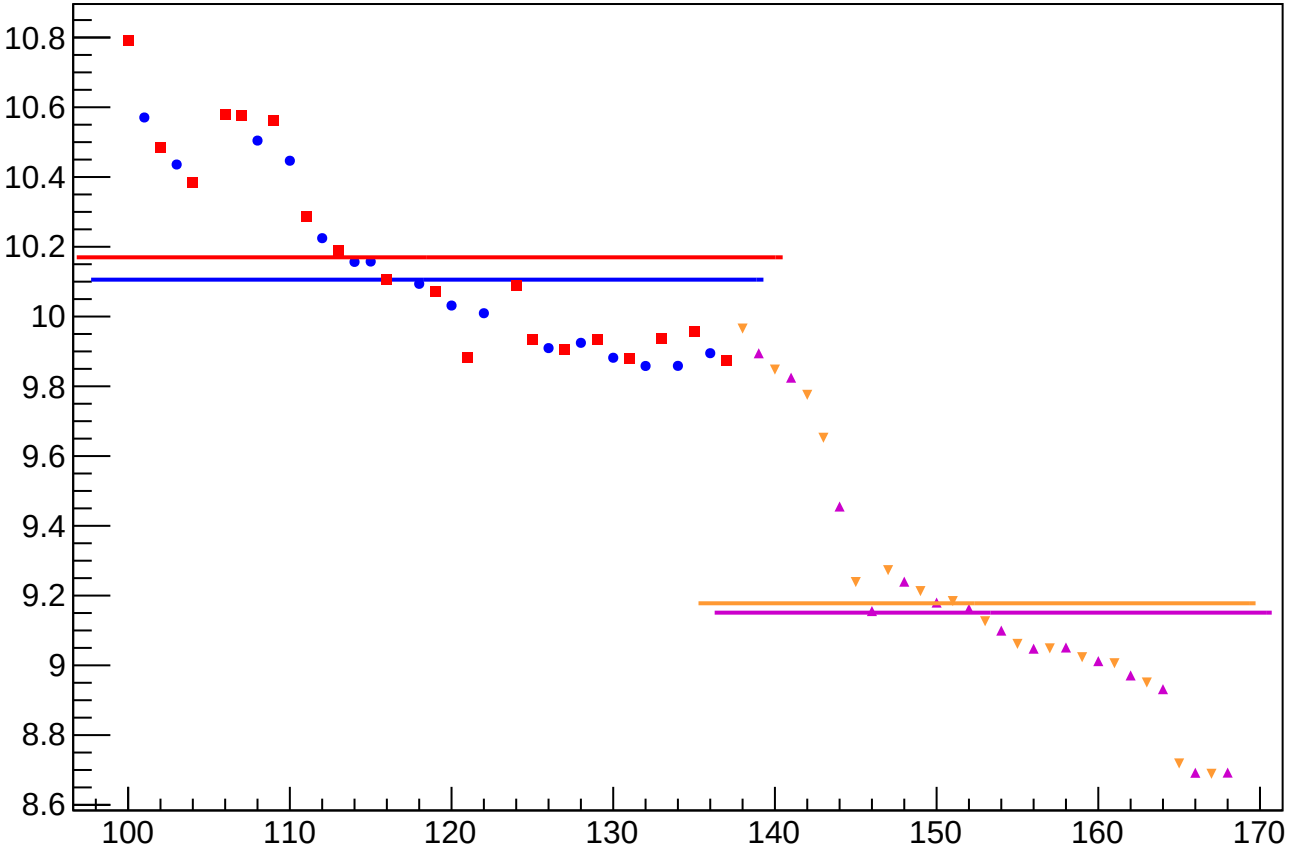
Left In: 0.002+/-0.000 χ^2/NDF:727858.8/14

+ sign 0.002+/-0.000 χ^2/NDF: 2983871.7/31

All: 0.002+/-0.000 χ^2/NDF: 6400744.5/65

- sign 0.002+/-0.000 χ^2/NDF: 3414083.5/33

yield_sam8_mean vs Slug



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.178+/-0.000 χ^2/NDF:26227906567.3/15

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

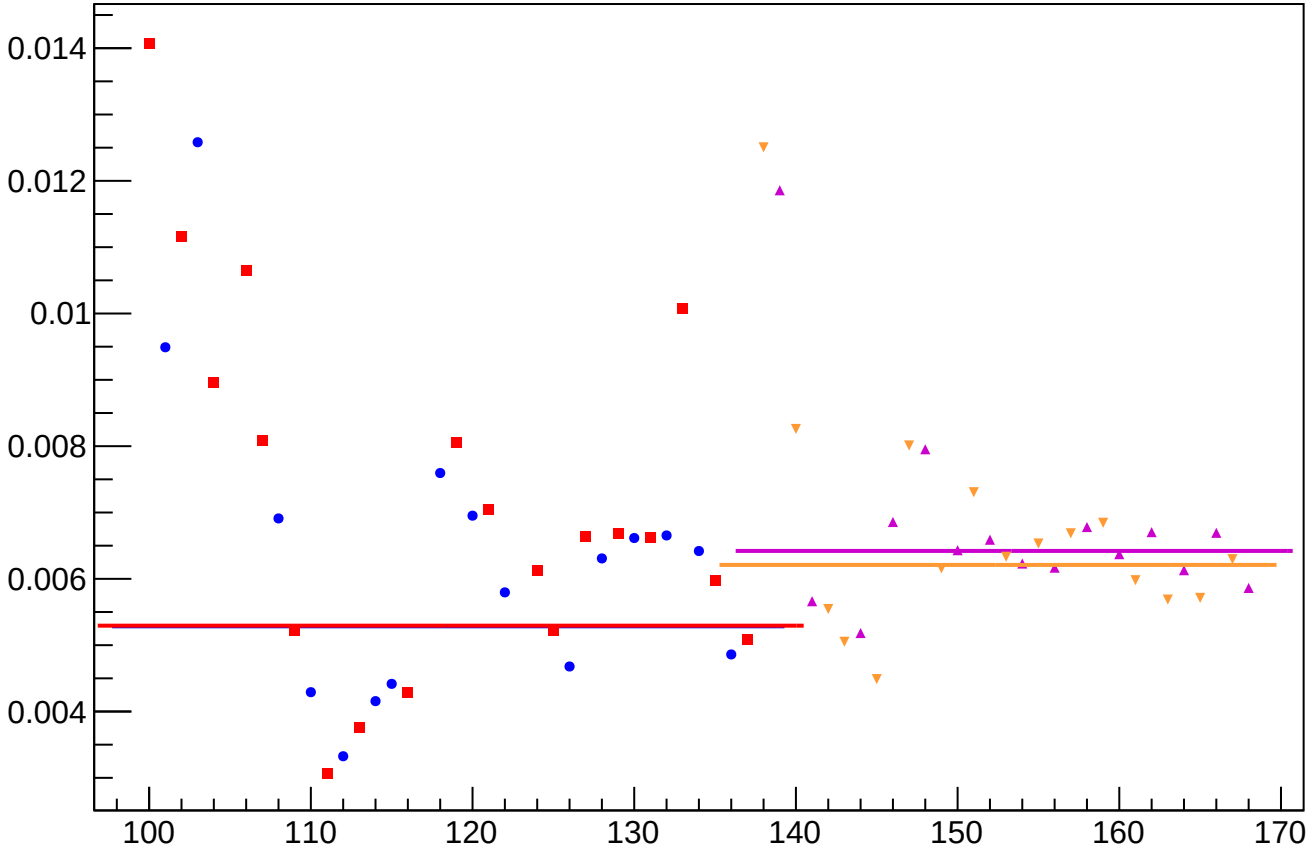
Left In: 9.151+/-0.000 χ^2/NDF:22600417383.1/14

+ sign 9.574+/-0.000 χ^2/NDF: 130730648120.7/31

All: 9.591+/-0.000 χ^2/NDF: 275252353122.1

- sign 9.609+/-0.000 χ^2/NDF: 144258026147.2/33

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:825481.4/15

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

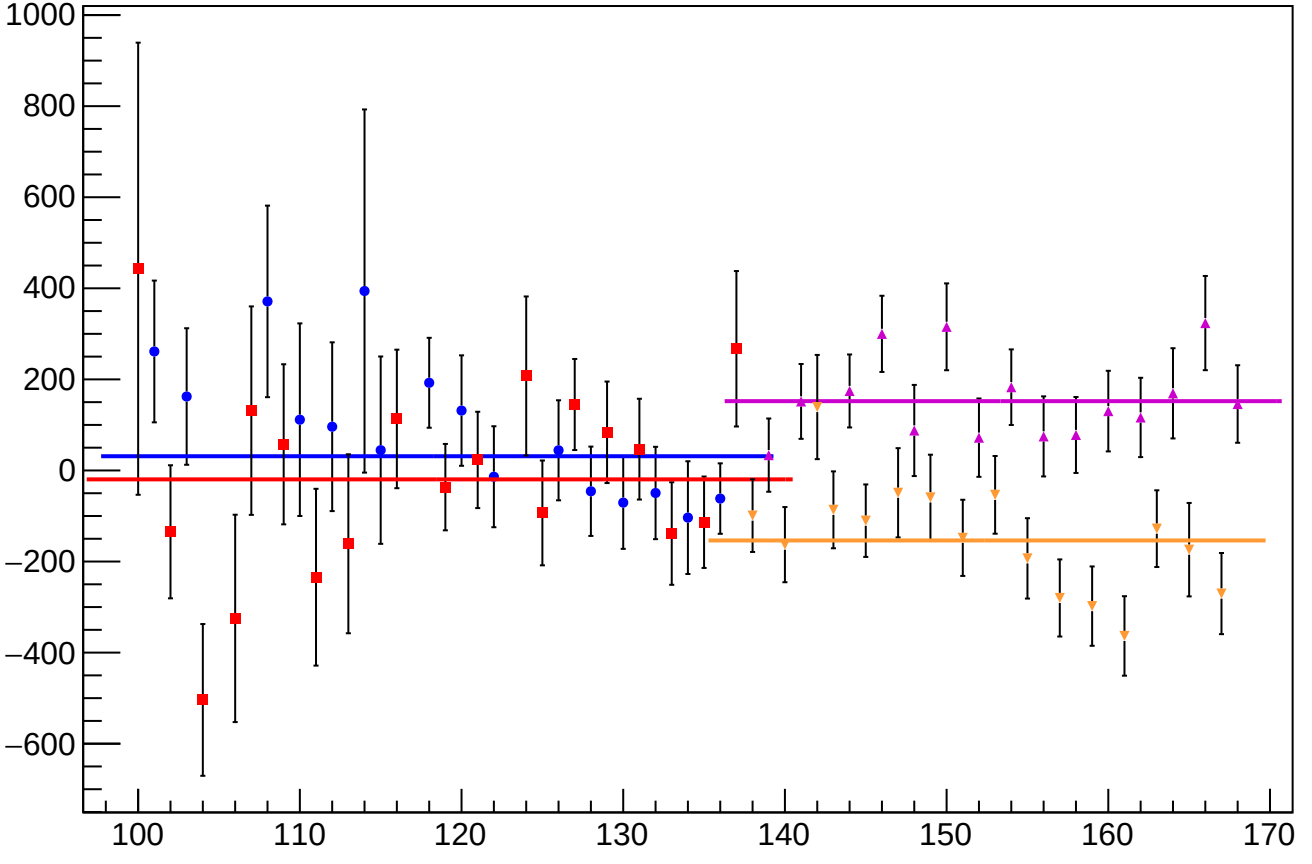
Left In: 0.006+/-0.000 χ^2/NDF:516208.9/14

+ sign 0.006+/-0.000 χ^2/NDF: 2289367.6/31

All: 0.006+/-0.000 χ^2/NDF: 4877637.1/65

- sign 0.006+/-0.000 χ^2/NDF: 2583809.0/33

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -153.736+/-21.985 χ^2/NDF:24.3/15

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

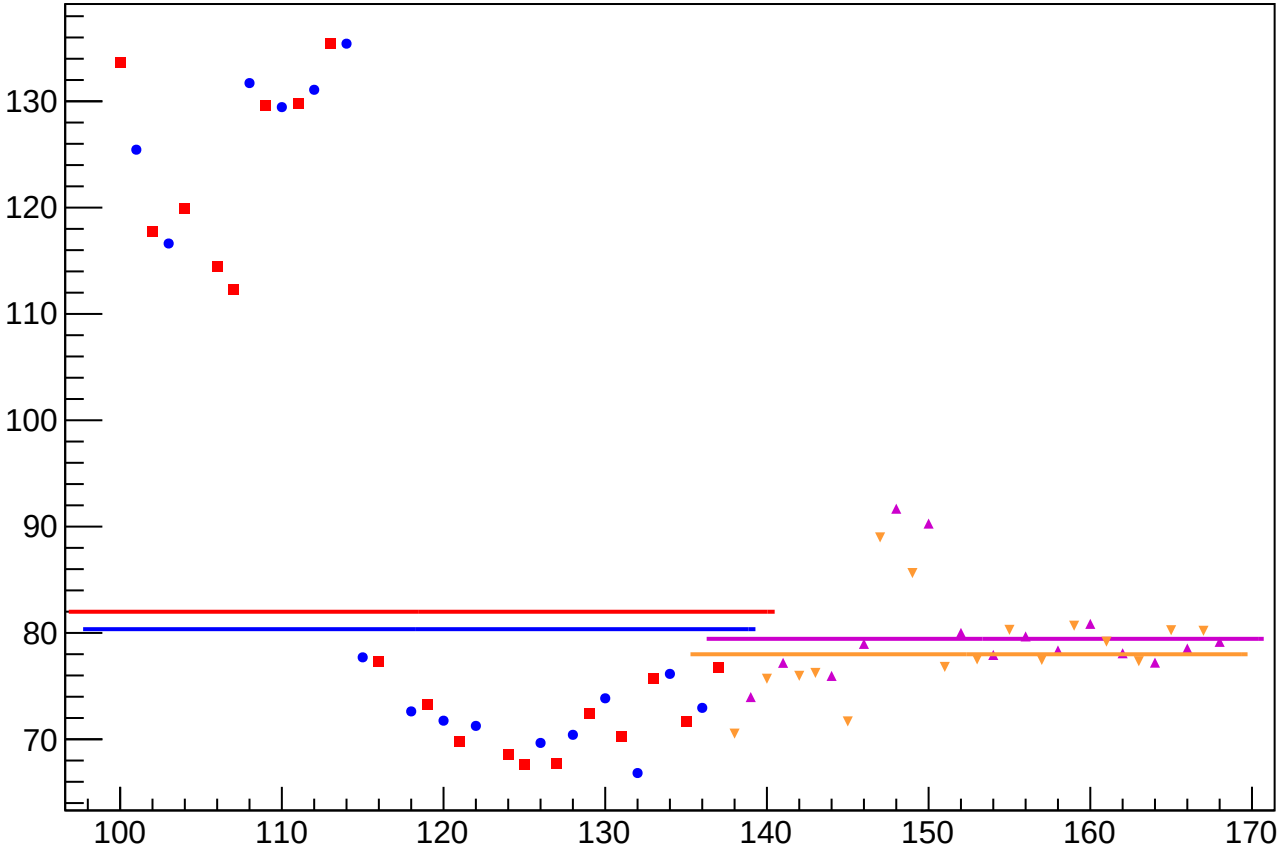
Left In: 152.211+/-22.603 χ^2/NDF:14.3/14

+ sign -91.261+/-17.891 χ^2/NDF: 63.3/31

All: -1.220+/-12.785 χ^2/NDF: 175.2/65

- sign 92.732+/-18.276 χ^2/NDF: 60.2/33

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.994+/-0.016 χ^2/NDF:78030.9/15

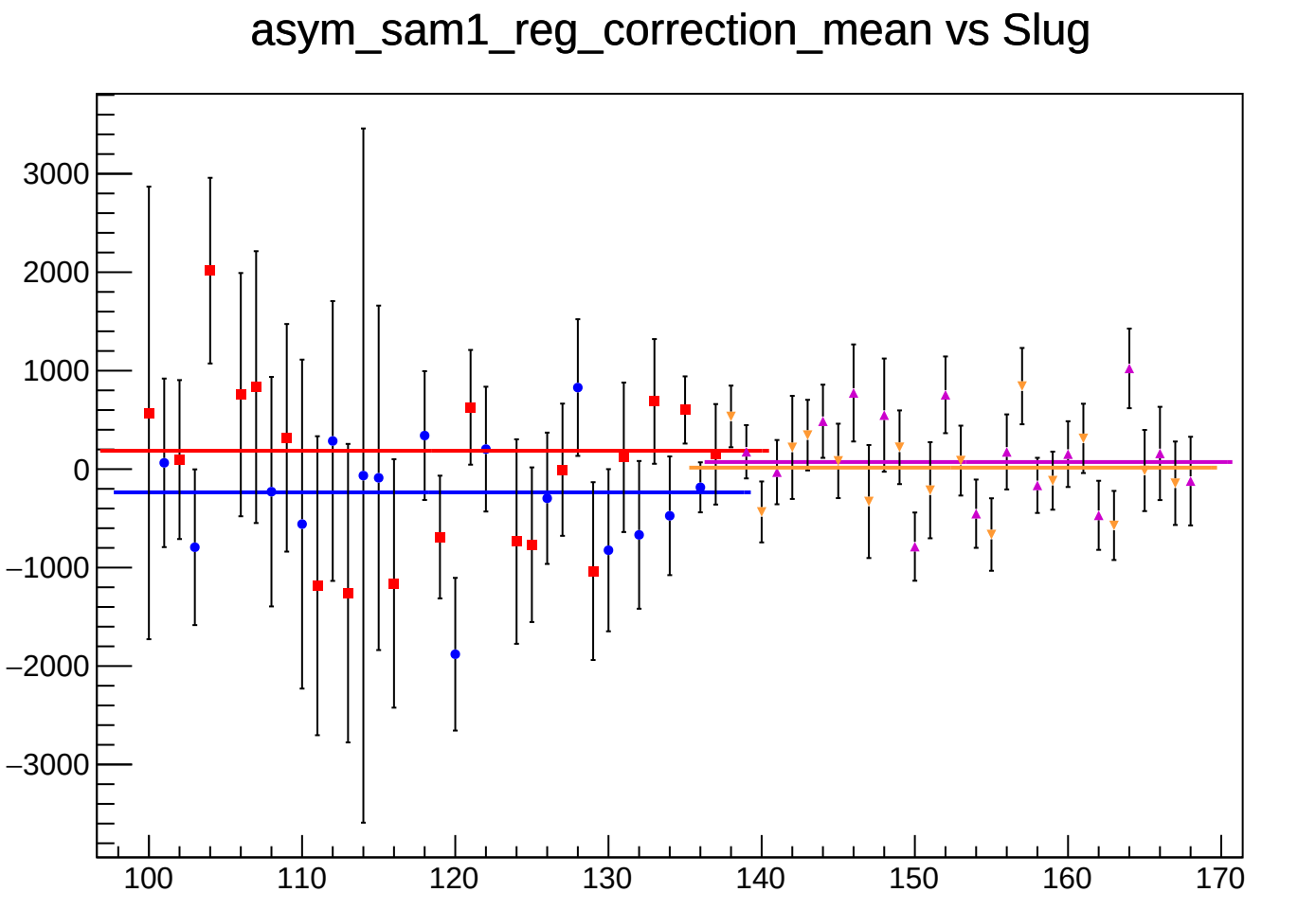
Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.445+/-0.016 χ^2/NDF:73676.7/14

+ sign 78.791+/-0.013 χ^2/NDF: 925854.3/31

All: 79.543+/-0.009 χ^2/NDF: 1947884.2/65

- sign 80.327+/-0.013 χ^2/NDF: 1014811.9/33



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 15.053+/-93.430 χ^2/NDF:18.7/15

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

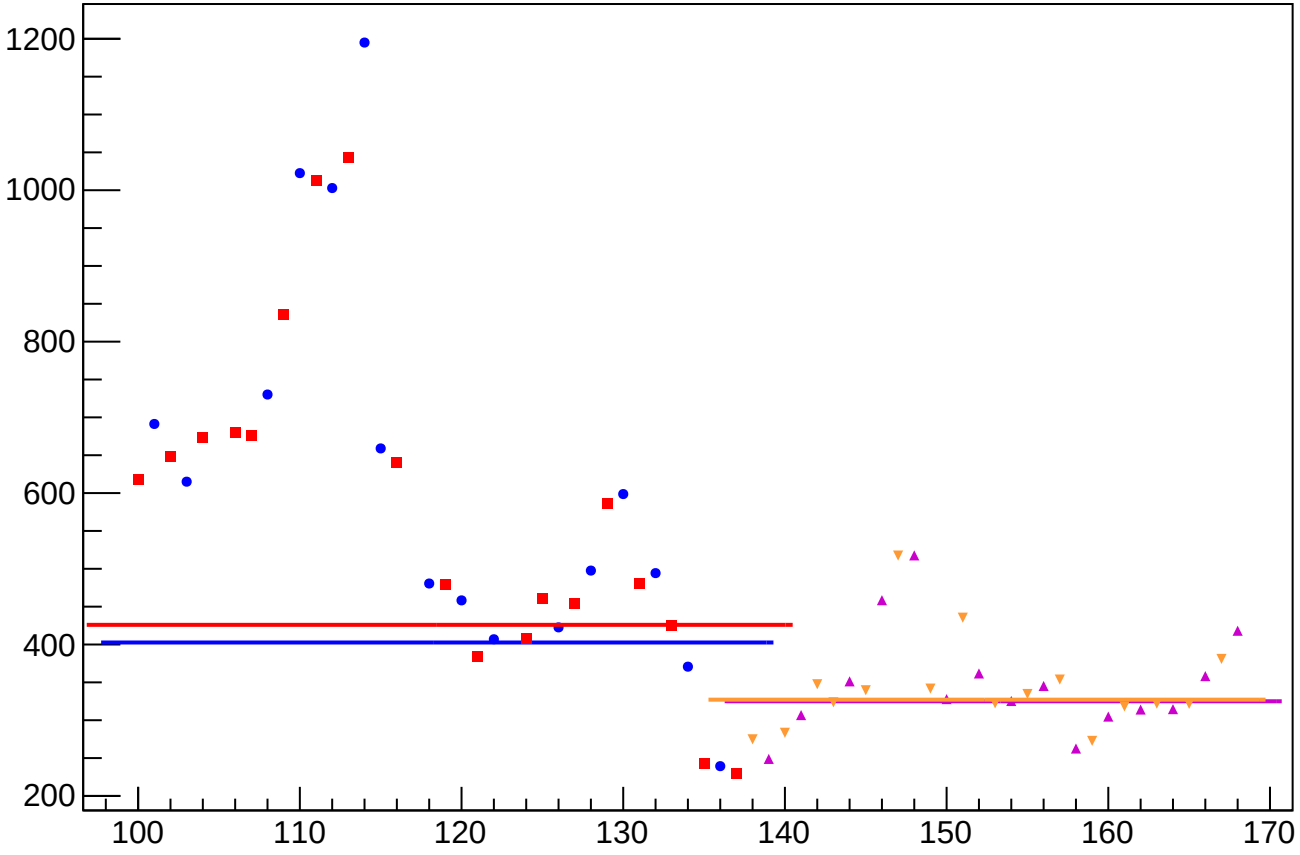
Left In: 72.293+/-94.120 χ^2/NDF:24.7/14

+ sign -46.477+/-81.152 χ^2/NDF: 30.4/31

All: 25.172+/-57.815 χ^2/NDF: 72.9/65

- sign 99.020+/-82.387 χ^2/NDF: 41.0/33

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 327.134+/-0.066 χ^2/NDF:535591.7/15

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

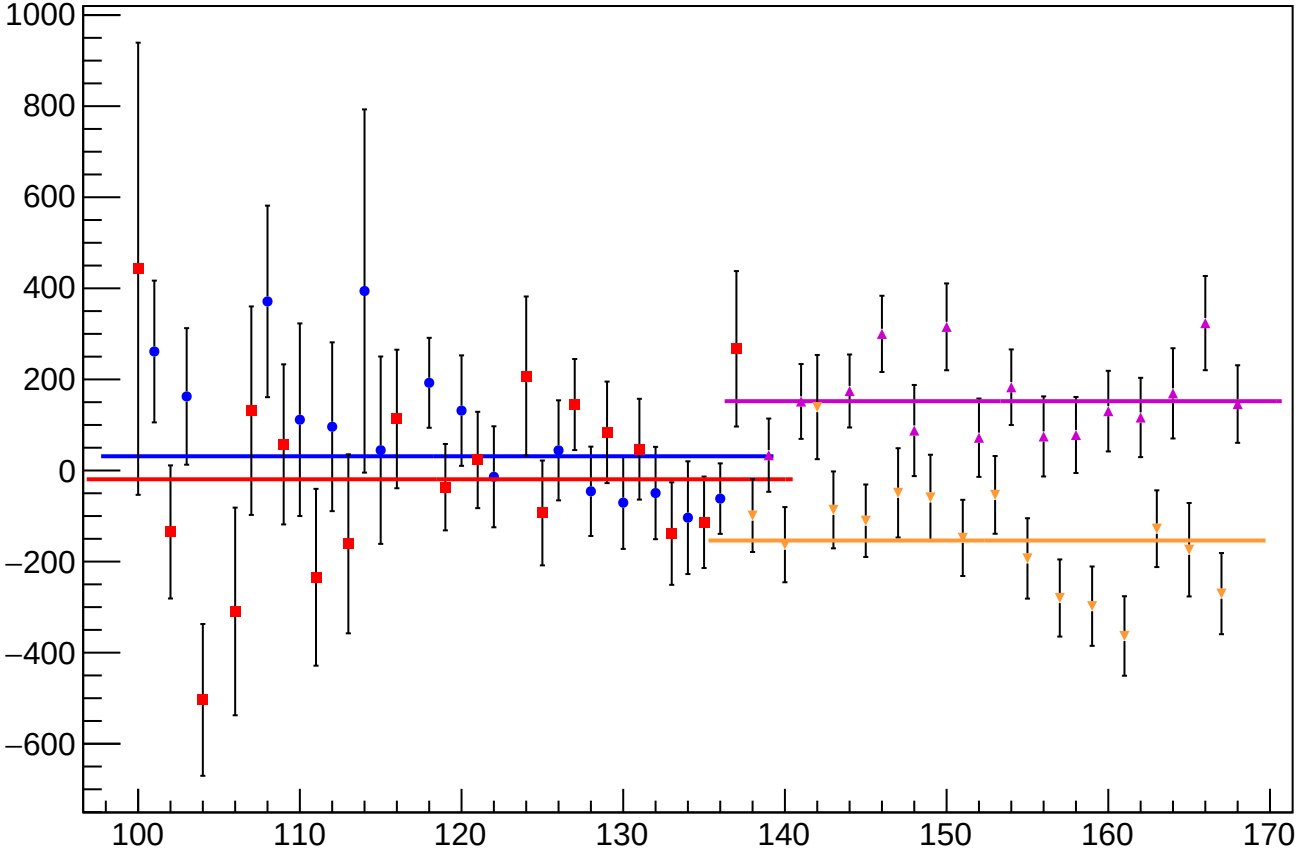
Left In: 325.039+/-0.067 χ^2/NDF:774769.8/14

+ sign 345.680+/-0.057 χ^2/NDF: 3216590.1/31

All: 347.136+/-0.041 χ^2/NDF: 6899246.9/65

- sign 348.637+/-0.058 χ^2/NDF: 3681349.0/33

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -153.732+/-21.985 χ^2/NDF:24.3/15

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

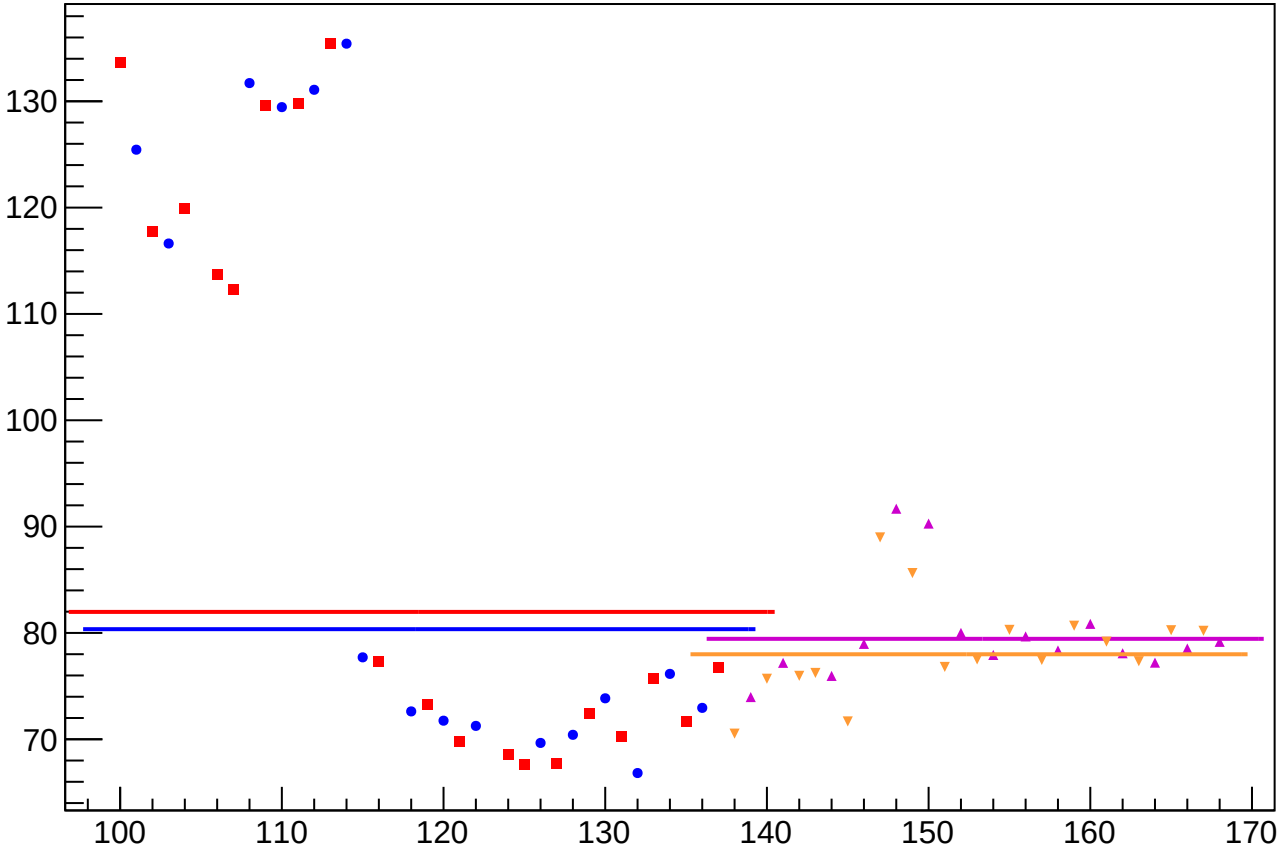
Left In: 152.214+/-22.603 χ^2/NDF:14.3/14

+ sign -91.255+/-17.891 χ^2/NDF: 63.3/31

All: -1.166+/-12.785 χ^2/NDF: 175.0/65

- sign 92.838+/-18.276 χ^2/NDF: 60.0/33

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.994+/-0.016 χ^2/NDF:78030.9/15

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

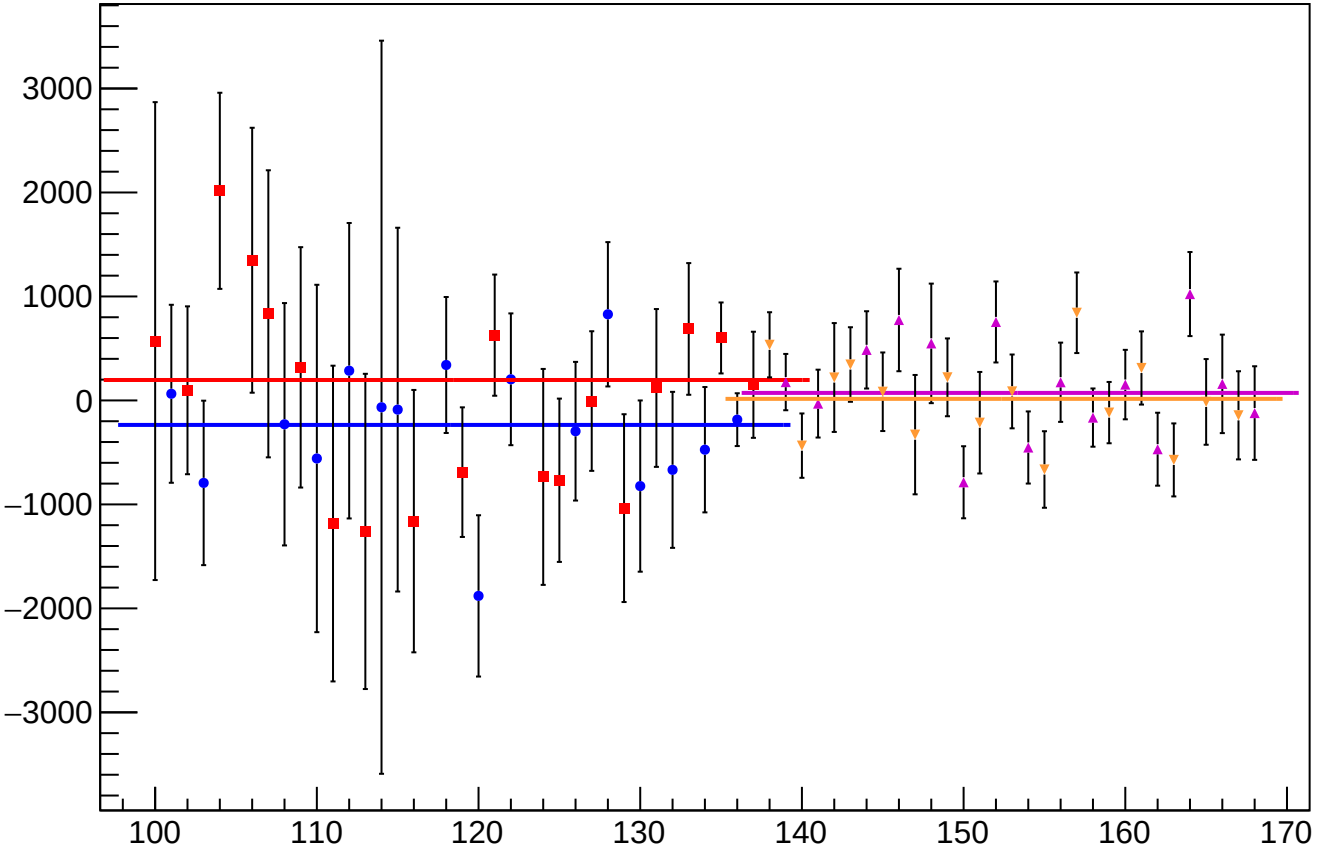
Left In: 79.445+/-0.016 χ^2/NDF:73676.7/14

+ sign 78.791+/-0.013 χ^2/NDF: 925854.5/31

All: 79.540+/-0.009 χ^2/NDF: 1945860.0/65

- sign 80.322+/-0.013 χ^2/NDF: 1012836.7/33

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 15.055+/-93.430 χ^2/NDF:18.7/15

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

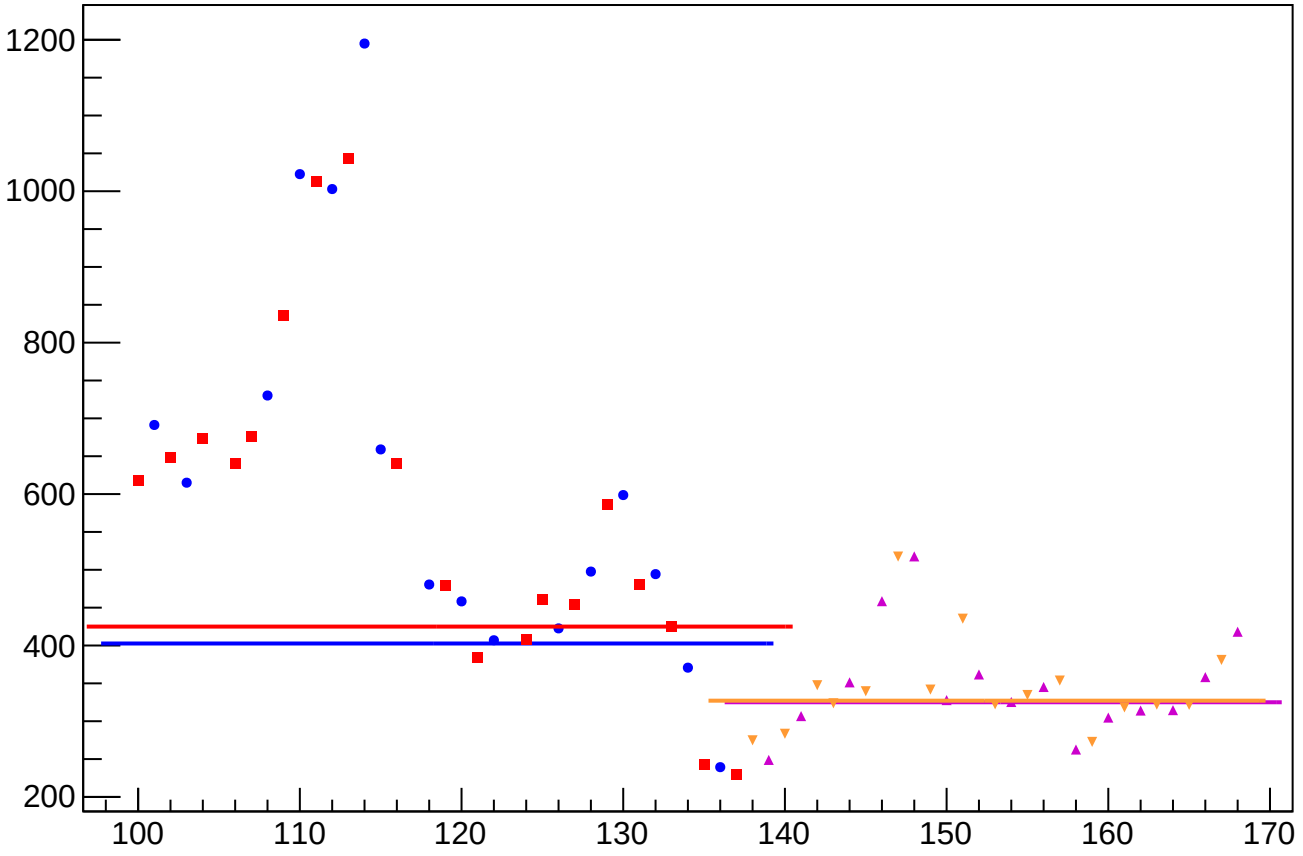
Left In: 72.298+/-94.120 χ^2/NDF:24.7/14

+ sign -46.475+/-81.152 χ^2/NDF: 30.4/31

All: 26.299+/-57.819 χ^2/NDF: 73.7/65

- sign 101.327+/-82.398 χ^2/NDF: 41.7/33

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 327.134+/-0.066 χ^2/NDF:535599.7/15

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

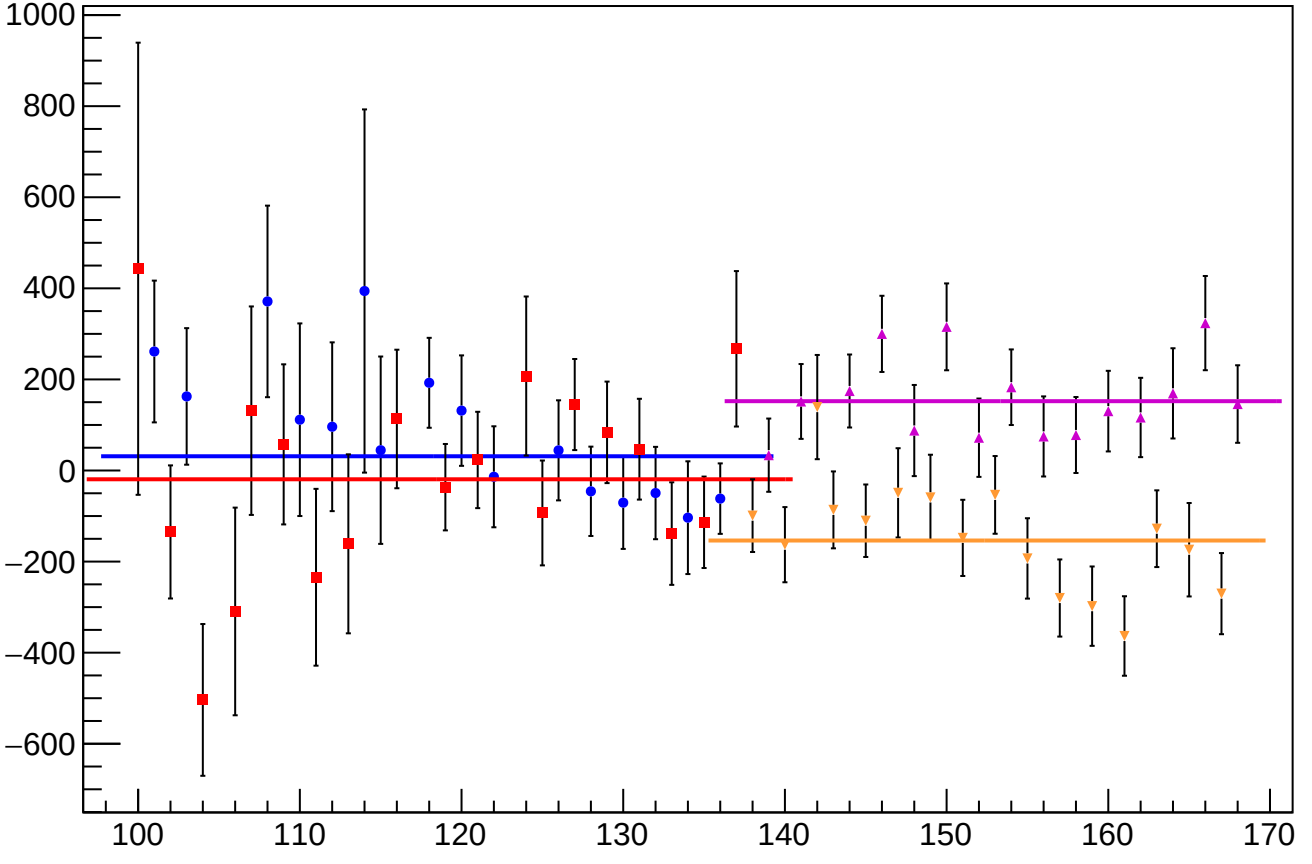
Left In: 325.039+/-0.067 χ^2/NDF:774770.2/14

+ sign 345.680+/-0.057 χ^2/NDF: 3216596.1/31

All: 347.011+/-0.041 χ^2/NDF: 6860290.0/65

- sign 348.385+/-0.058 χ^2/NDF: 3642599.8/33

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -153.732+/-21.985 χ^2/NDF:24.3/15

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

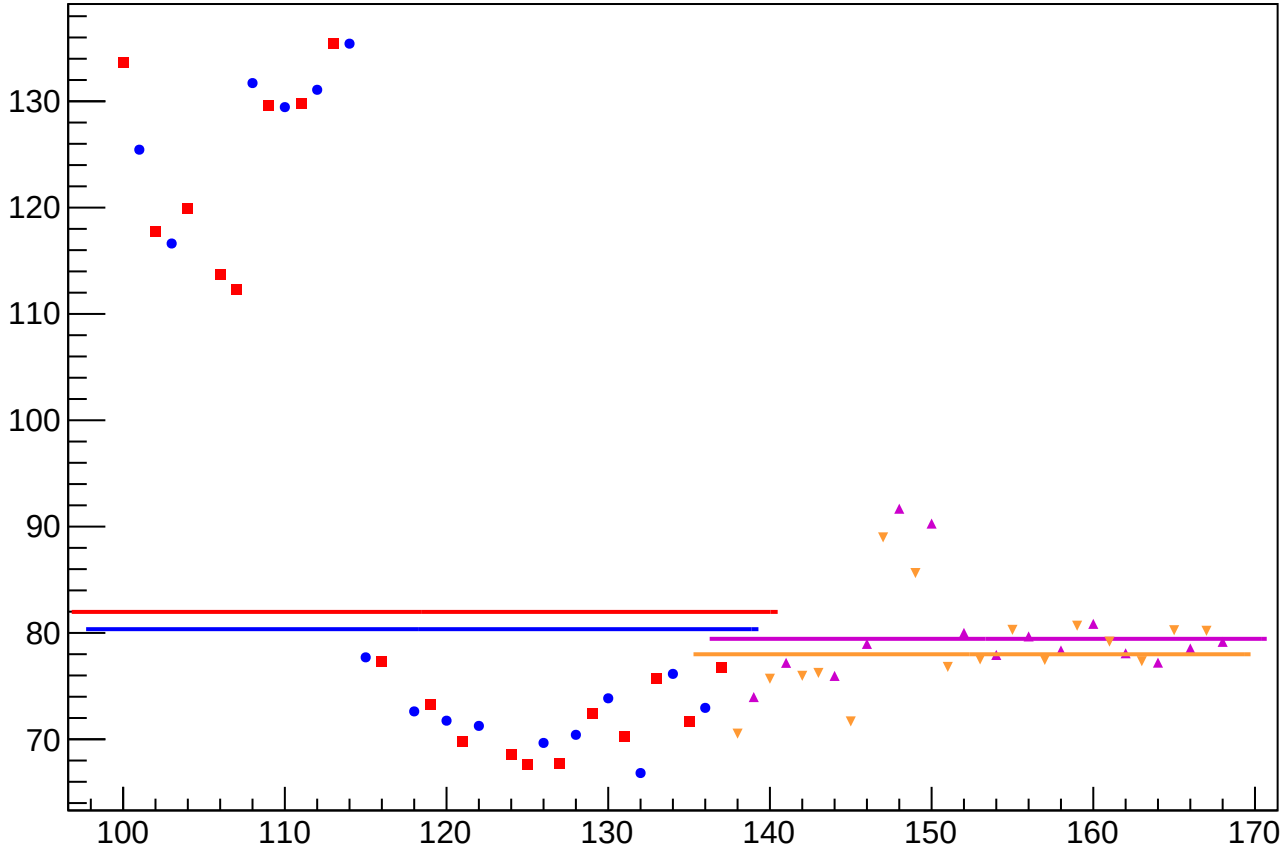
Left In: 152.214+/-22.603 χ^2/NDF:14.3/14

+ sign -91.255+/-17.891 χ^2/NDF: 63.3/31

All: -1.166+/-12.785 χ^2/NDF: 175.0/65

- sign 92.838+/-18.276 χ^2/NDF: 60.0/33

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.994+/-0.016 χ^2/NDF:78030.9/15

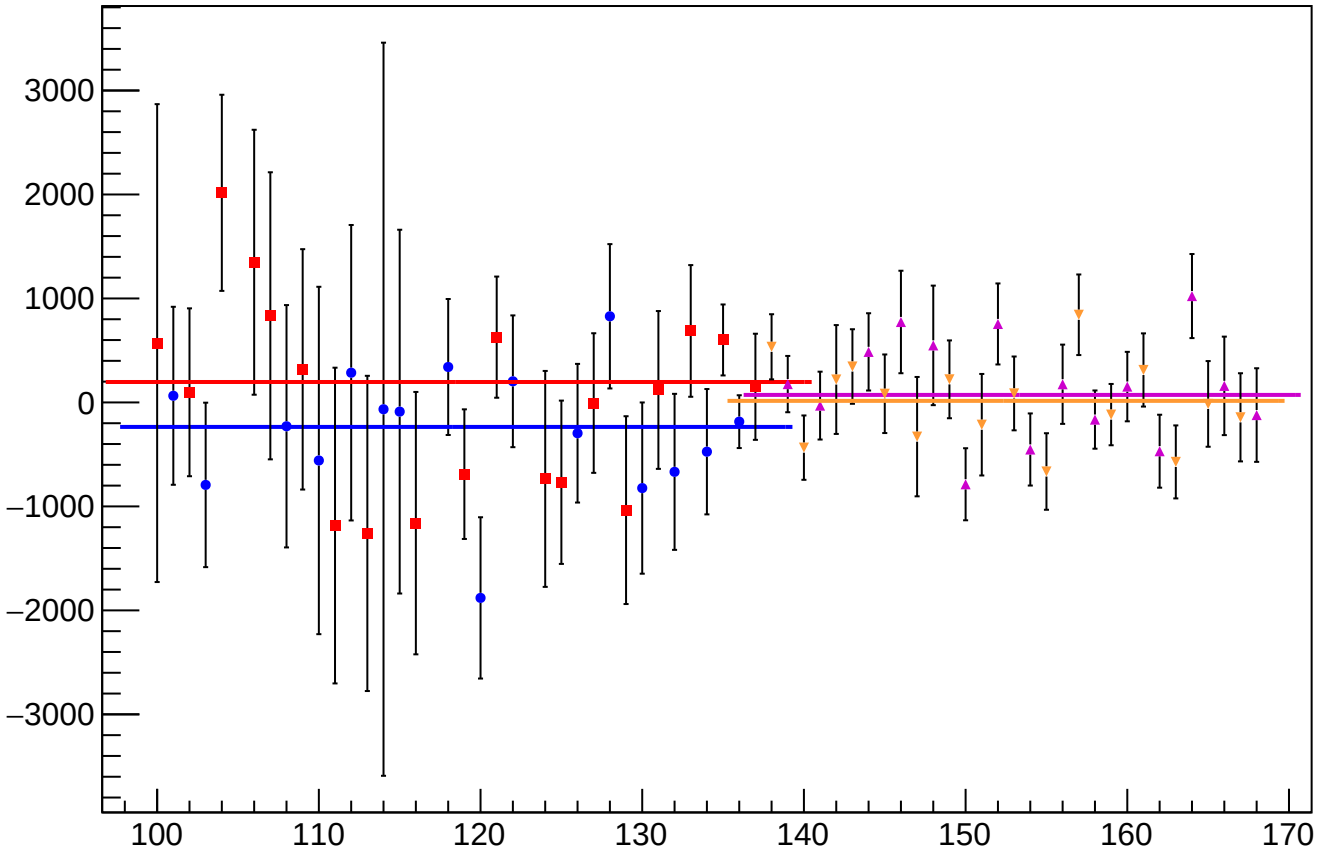
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.445+/-0.016 χ^2/NDF:73676.7/14

+ sign 78.791+/-0.013 χ^2/NDF: 925854.5/31

All: 79.540+/-0.009 χ^2/NDF: 1945860.0/65

- sign 80.322+/-0.013 χ^2/NDF: 1012836.7/33



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 15.055+/-93.430 χ^2/NDF:18.7/15

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

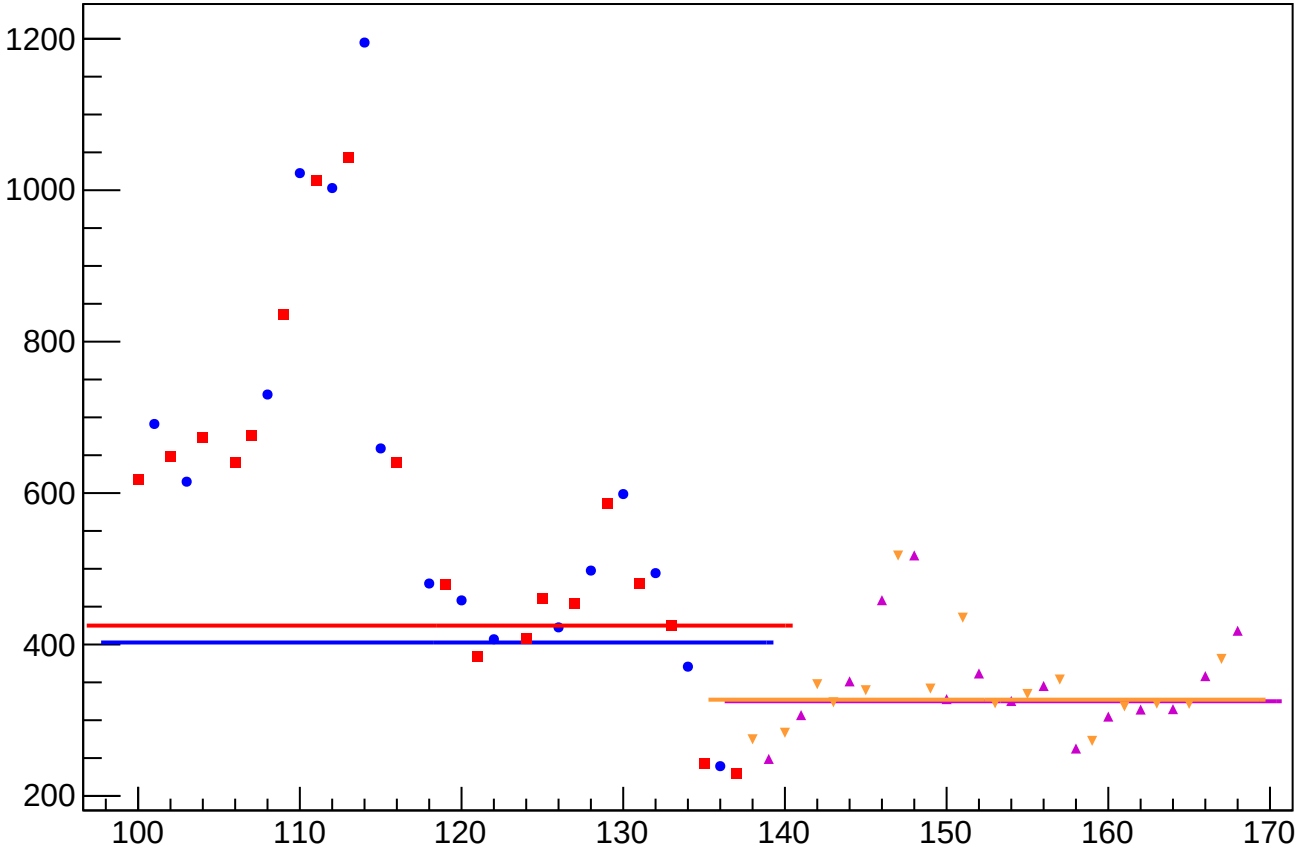
Left In: 72.298+/-94.120 χ^2/NDF:24.7/14

\+ sign -46.475+/-81.152 χ^2/NDF: 30.4/31

All: 26.299+/-57.819 χ^2/NDF: 73.7/65

\- sign 101.327+/-82.398 χ^2/NDF: 41.7/33

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 327.134+/-0.066 χ^2/NDF:535599.7/15

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

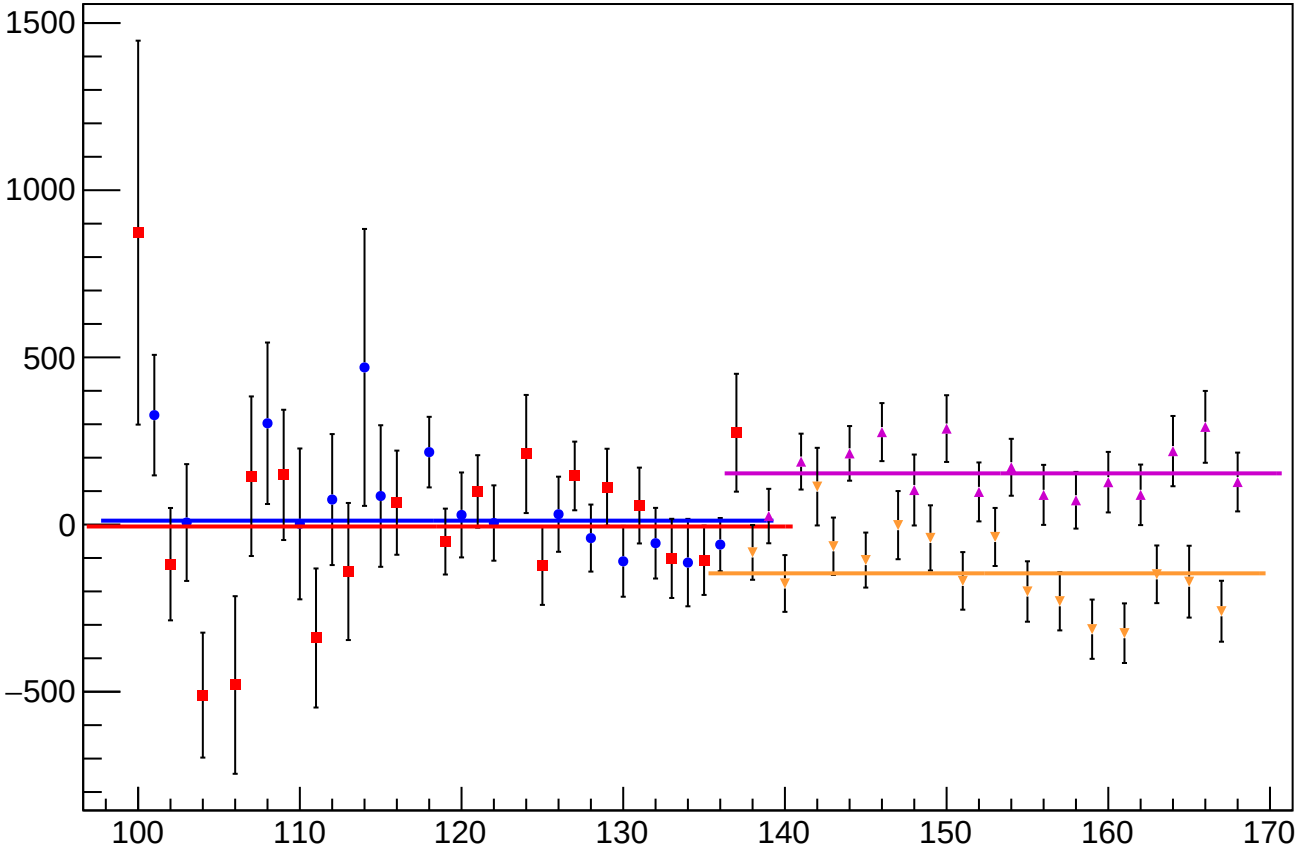
Left In: 325.039+/-0.067 χ^2/NDF:774770.2/14

+ sign 345.680+/-0.057 χ^2/NDF: 3216596.1/31

All: 347.011+/-0.041 χ^2/NDF: 6860290.0/65

- sign 348.385+/-0.058 χ^2/NDF: 3642599.8/33

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -145.934+/-22.570 χ^2/NDF:22.1/15

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

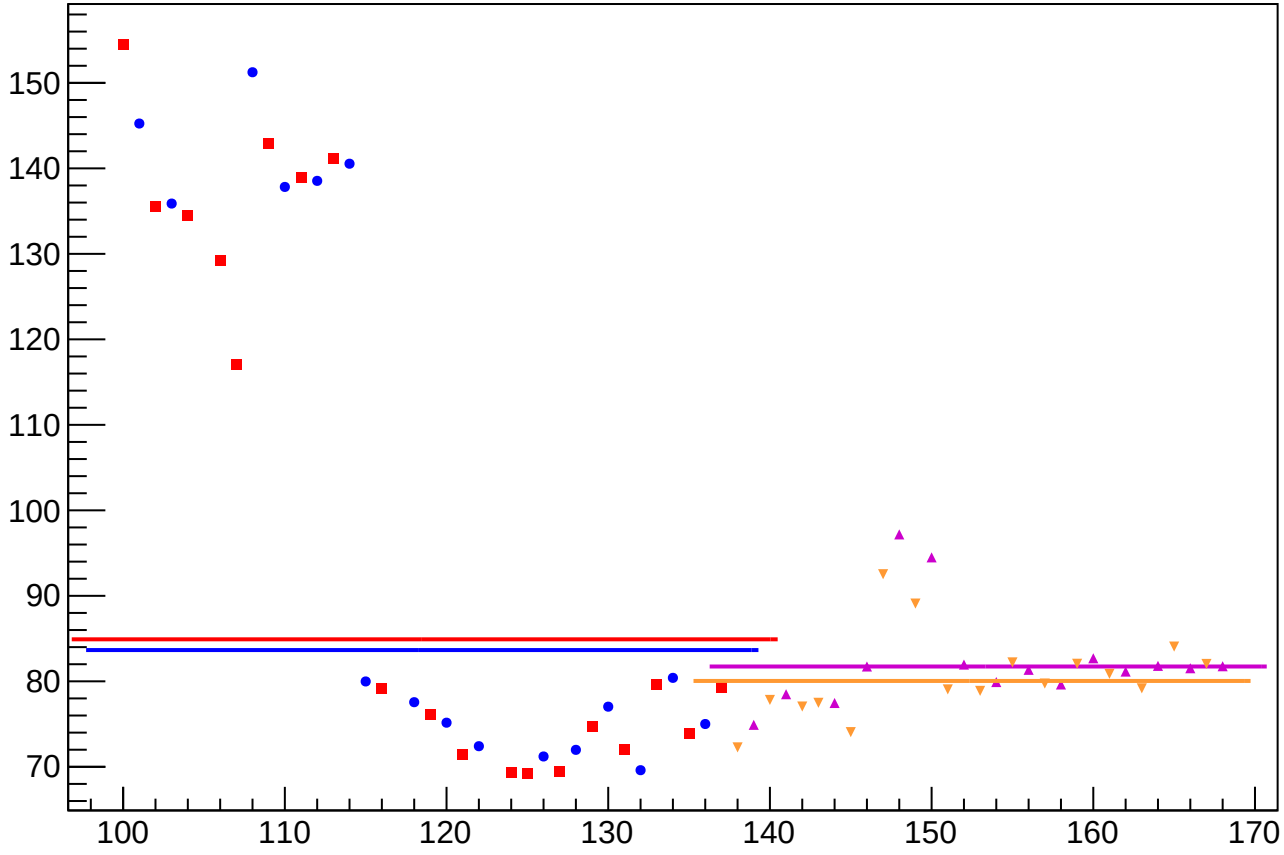
Left In: 153.103+/-23.275 χ^2/NDF:11.8/14

\+ sign -94.227+/-18.500 χ^2/NDF: 51.6/31

All: 0.313+/-13.225 χ^2/NDF: 161.5/65

\- sign 99.105+/-18.912 χ^2/NDF: 56.4/33

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 80.044+/-0.016 χ^2/NDF:87259.2/15

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

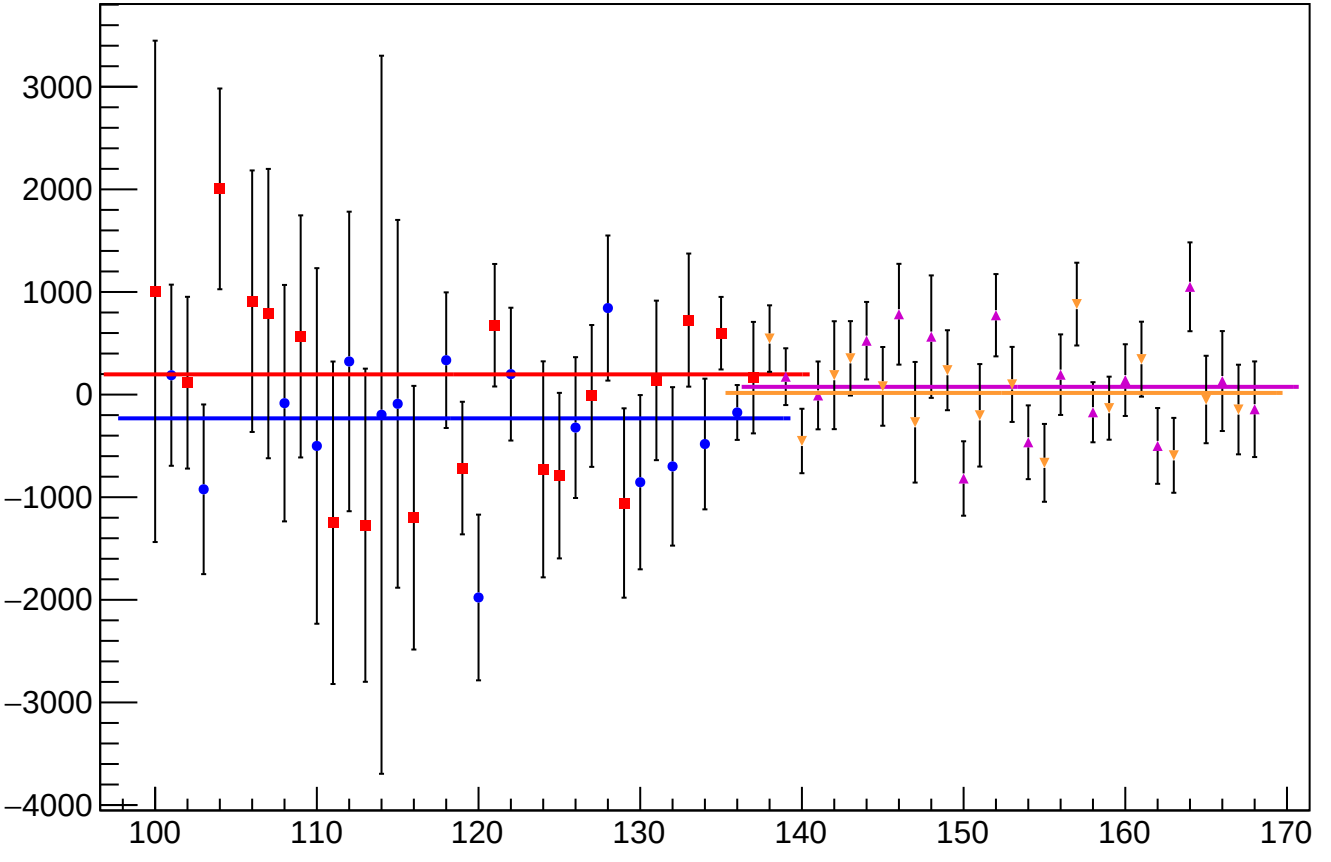
Left In: 81.734+/-0.016 χ^2/NDF:100134.9/14

+ sign 81.230+/-0.013 χ^2/NDF: 1138868.1/31

All: 82.004+/-0.009 χ^2/NDF: 2380524.1/65

- sign 82.814+/-0.013 χ^2/NDF: 1234482.9/33

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 16.257+/-96.182 χ^2/NDF:18.5/15

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

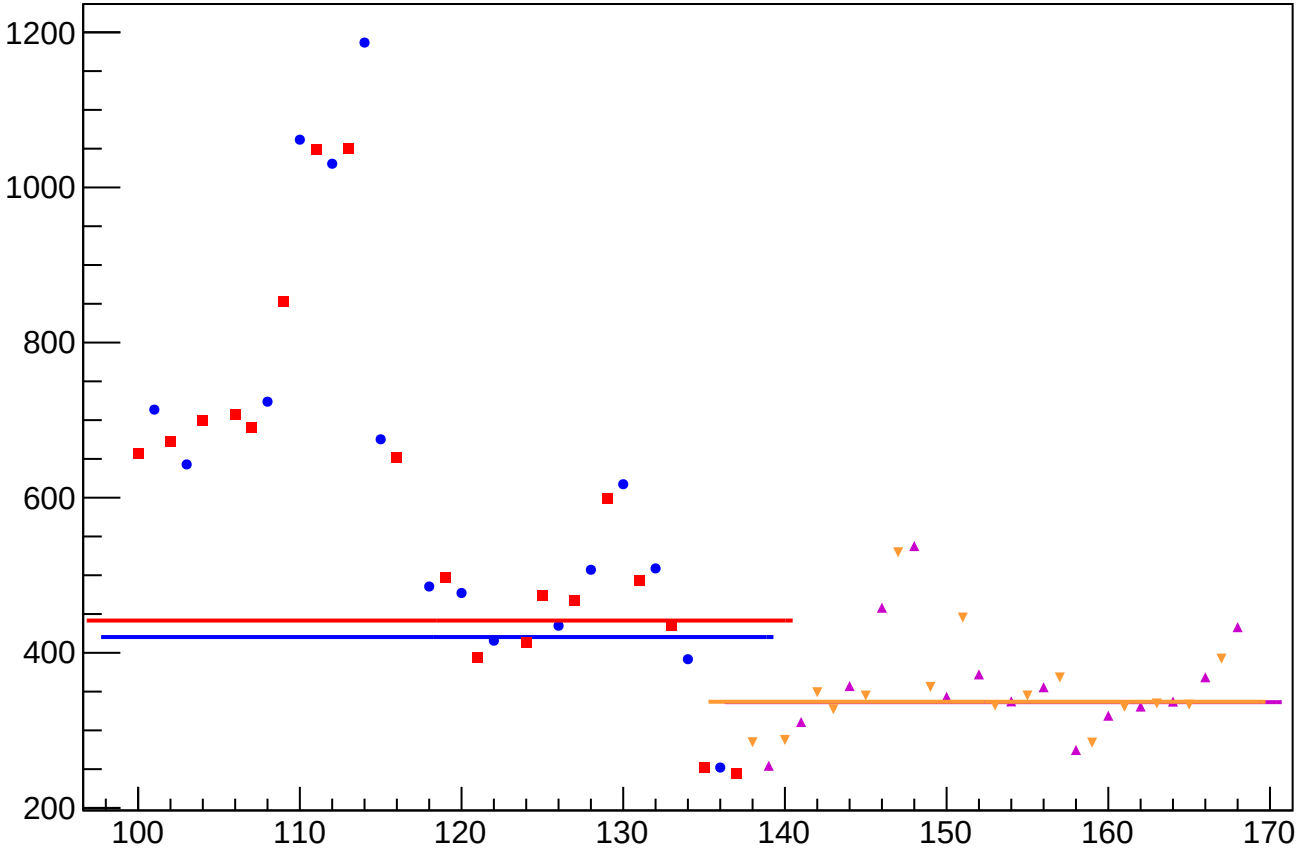
Left In: 75.529+/-97.335 χ^2/NDF:24.3/14

+ sign -43.726+/-83.728 χ^2/NDF: 30.5/31

All: 28.863+/-59.714 χ^2/NDF: 72.6/65

- sign 104.005+/-85.187 χ^2/NDF: 40.5/33

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 336.913+/-0.068 χ^2/NDF:524401.9/15

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

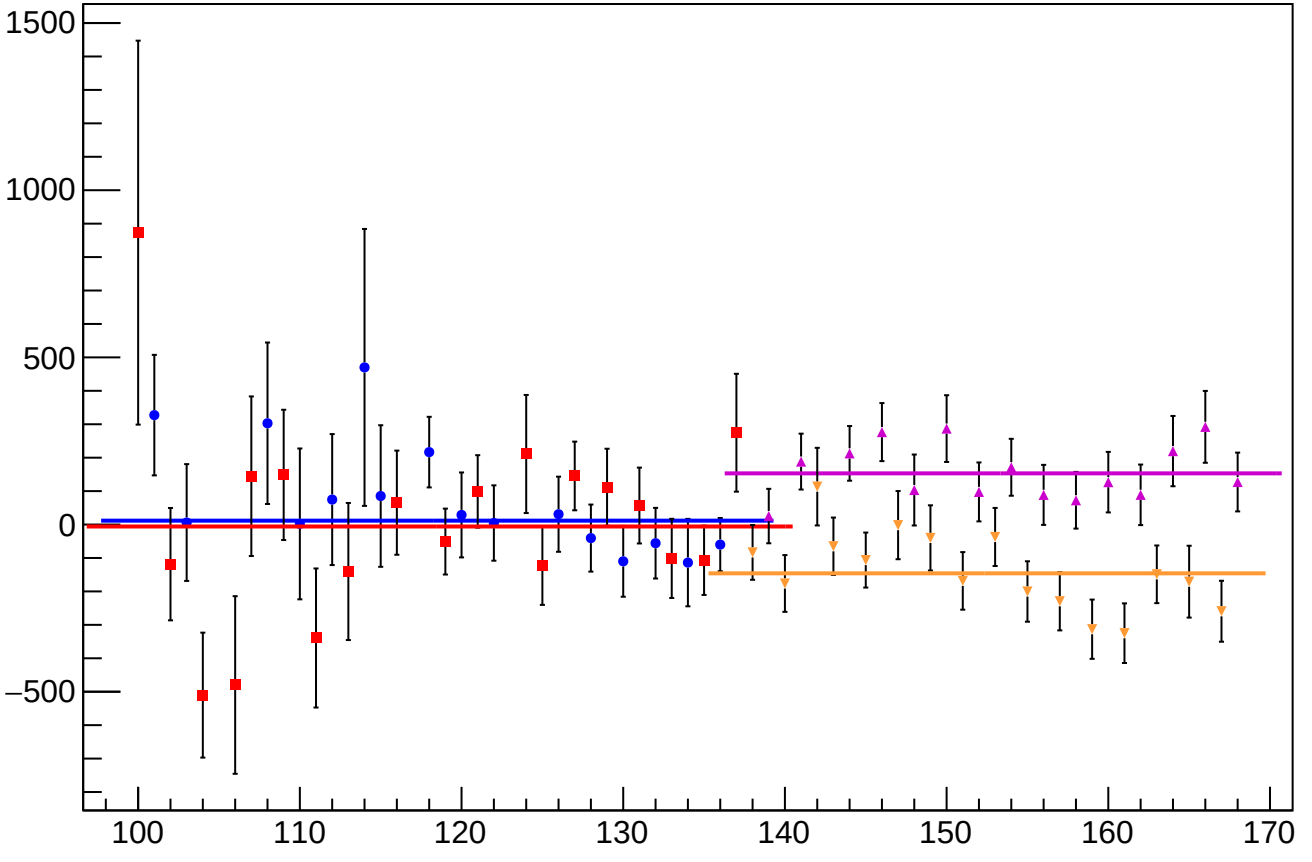
Left In: 336.387+/-0.069 χ^2/NDF:754649.5/14

+ sign 357.116+/-0.059 χ^2/NDF: 3143360.4/31

All: 359.029+/-0.042 χ^2/NDF: 6754599.3/65

- sign 361.009+/-0.060 χ^2/NDF: 3609113.8/33

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -145.933+/-22.570 χ^2/NDF:22.1/15

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

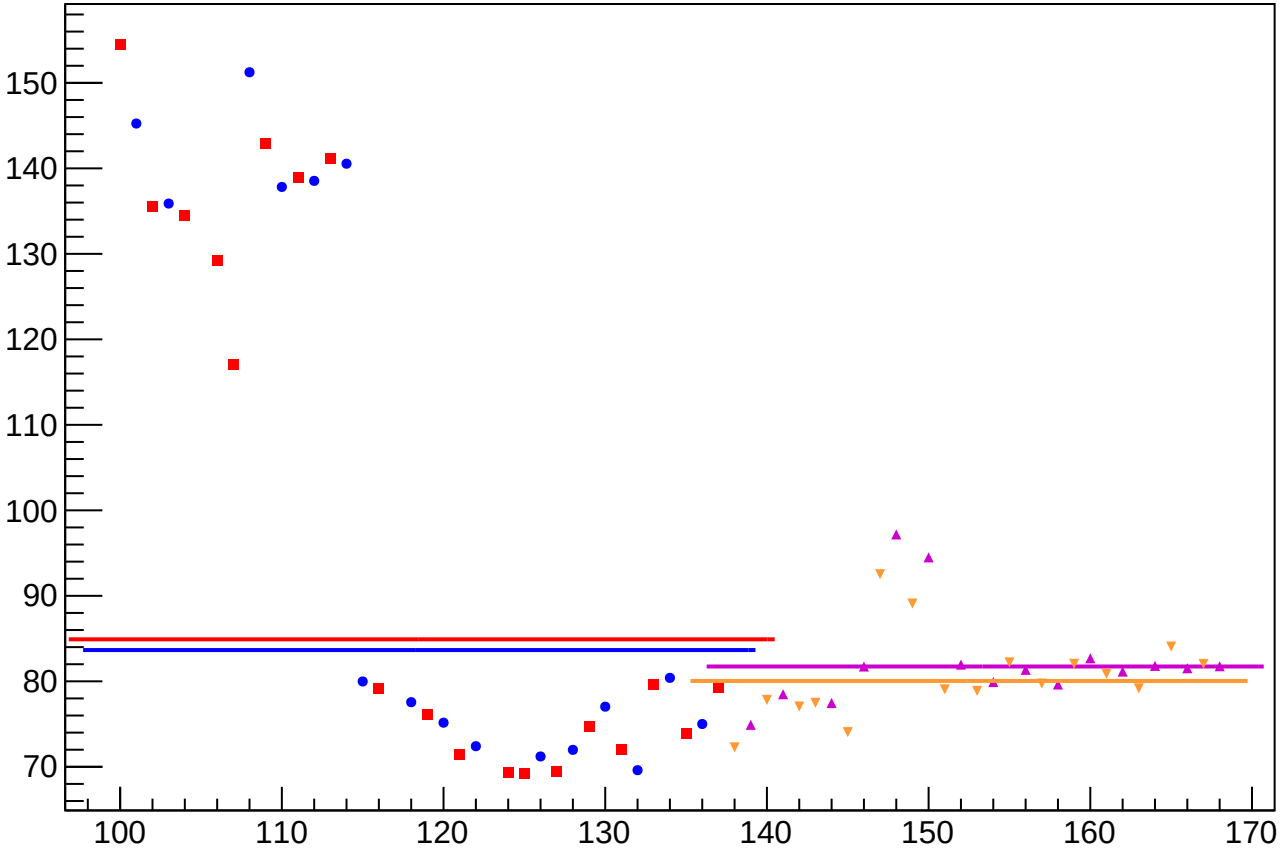
Left In: 153.103+/-23.275 χ^2/NDF:11.8/14

+ sign -94.227+/-18.500 χ^2/NDF: 51.6/31

All: 0.314+/-13.225 χ^2/NDF: 161.5/65

- sign 99.105+/-18.912 χ^2/NDF: 56.4/33

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 80.044+/-0.016 χ^2/NDF:87258.6/15

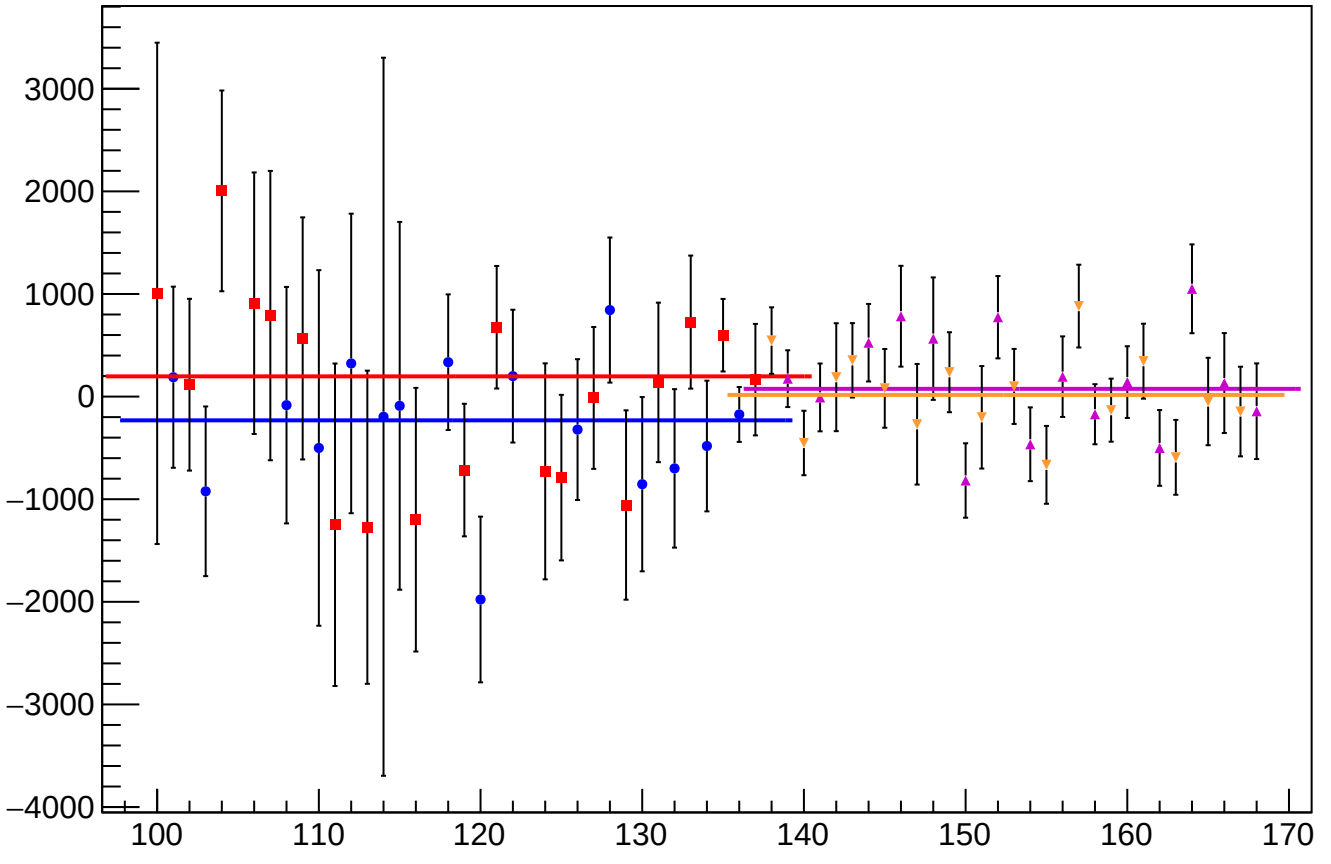
Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.734+/-0.016 χ^2/NDF:100134.1/14

+ sign 81.230+/-0.013 χ^2/NDF: 1138866.5/31

All: 82.004+/-0.009 χ^2/NDF: 2380520.2/65

- sign 82.814+/-0.013 χ^2/NDF: 1234480.6/33



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 16.258+/-96.182 χ^2/NDF:18.5/15

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

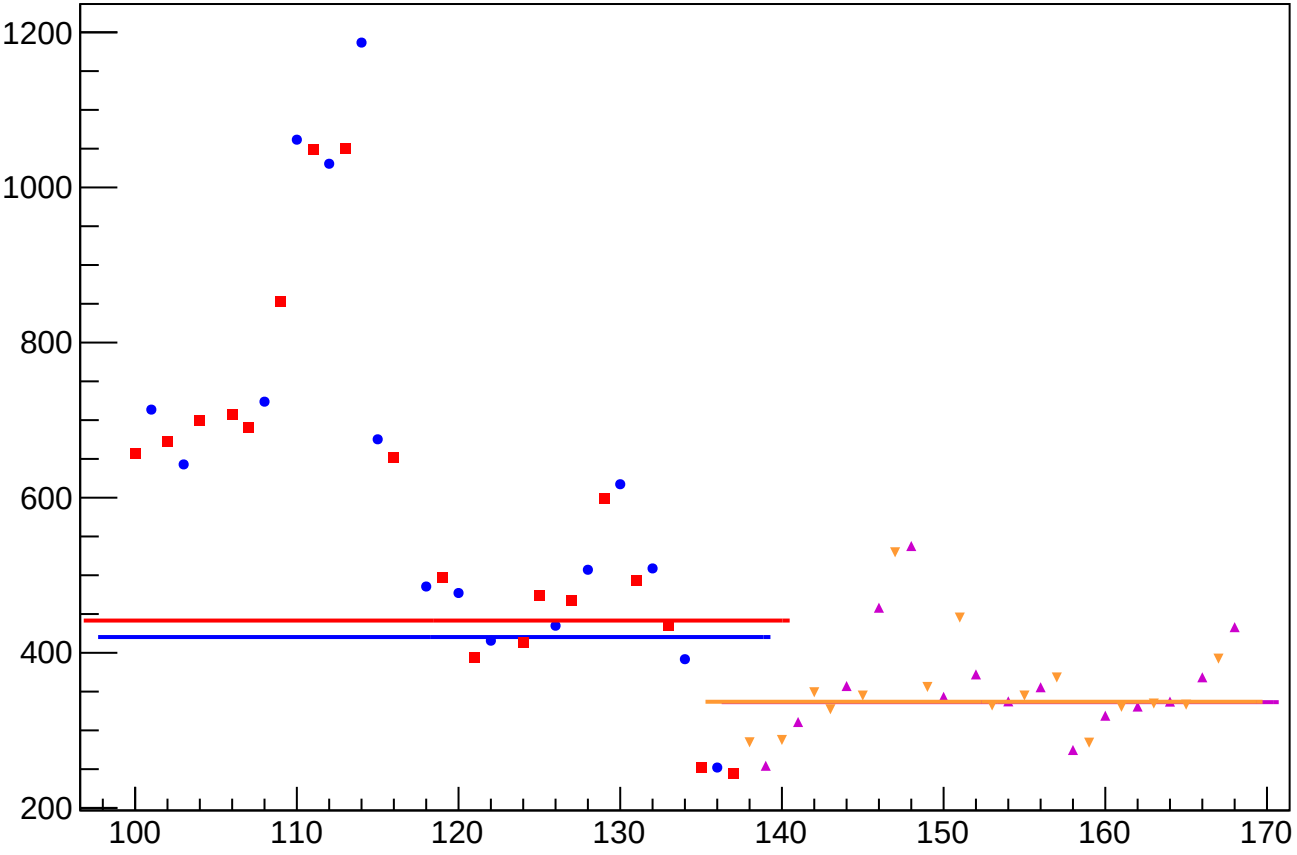
Left In: 75.529+/-97.335 χ^2/NDF:24.3/14

\+ sign -43.725+/-83.728 χ^2/NDF: 30.5/31

All: 28.864+/-59.714 χ^2/NDF: 72.6/65

\- sign 104.006+/-85.187 χ^2/NDF: 40.5/33

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 336.912+/-0.068 χ^2/NDF:524401.9/15

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

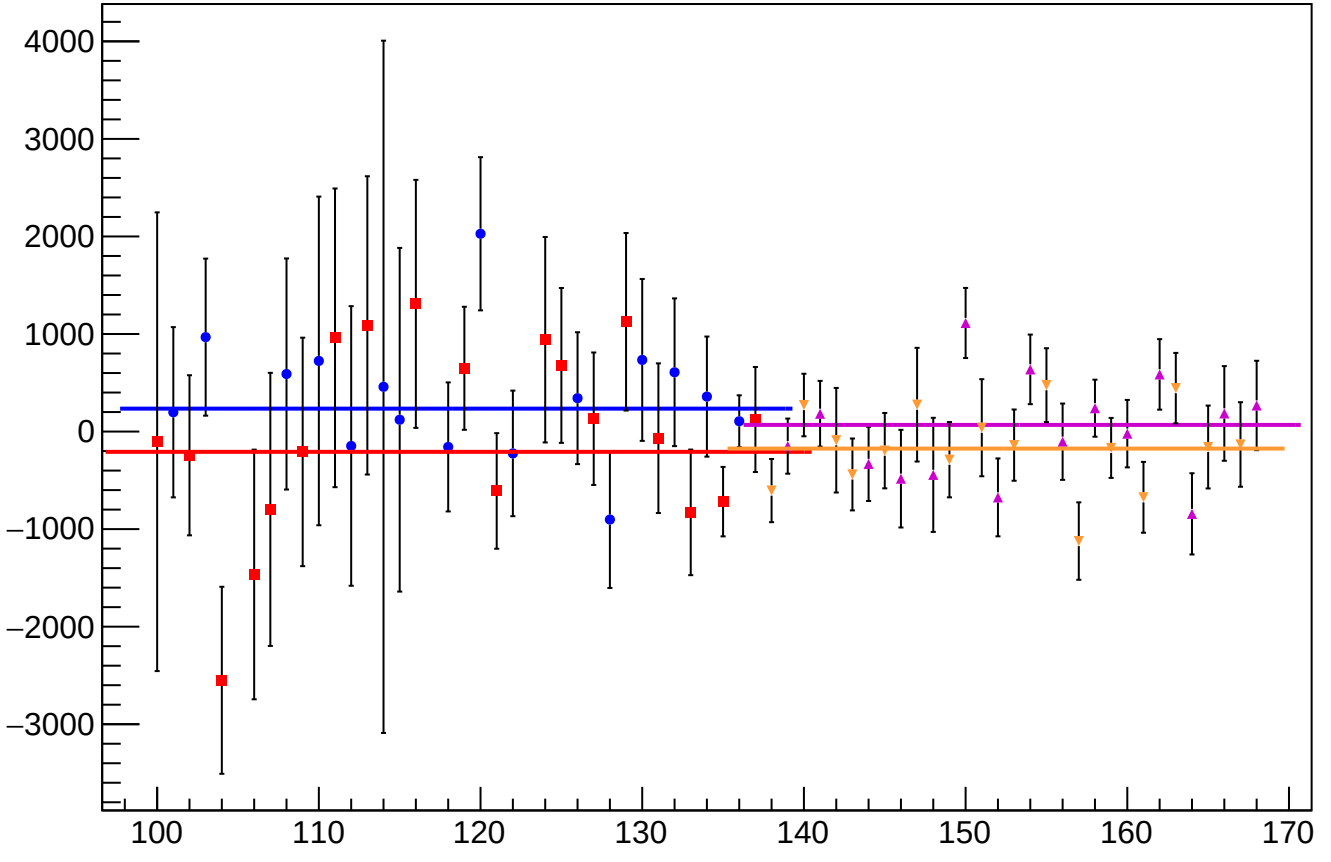
Left In: 336.386+/-0.069 χ^2/NDF:754651.8/14

+ sign 357.116+/-0.059 χ^2/NDF: 3143361.4/31

All: 359.029+/-0.042 χ^2/NDF: 6754603.3/65

- sign 361.009+/-0.060 χ^2/NDF: 3609116.8/33

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -174.440+/-96.212 χ^2/NDF:18.6/15

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

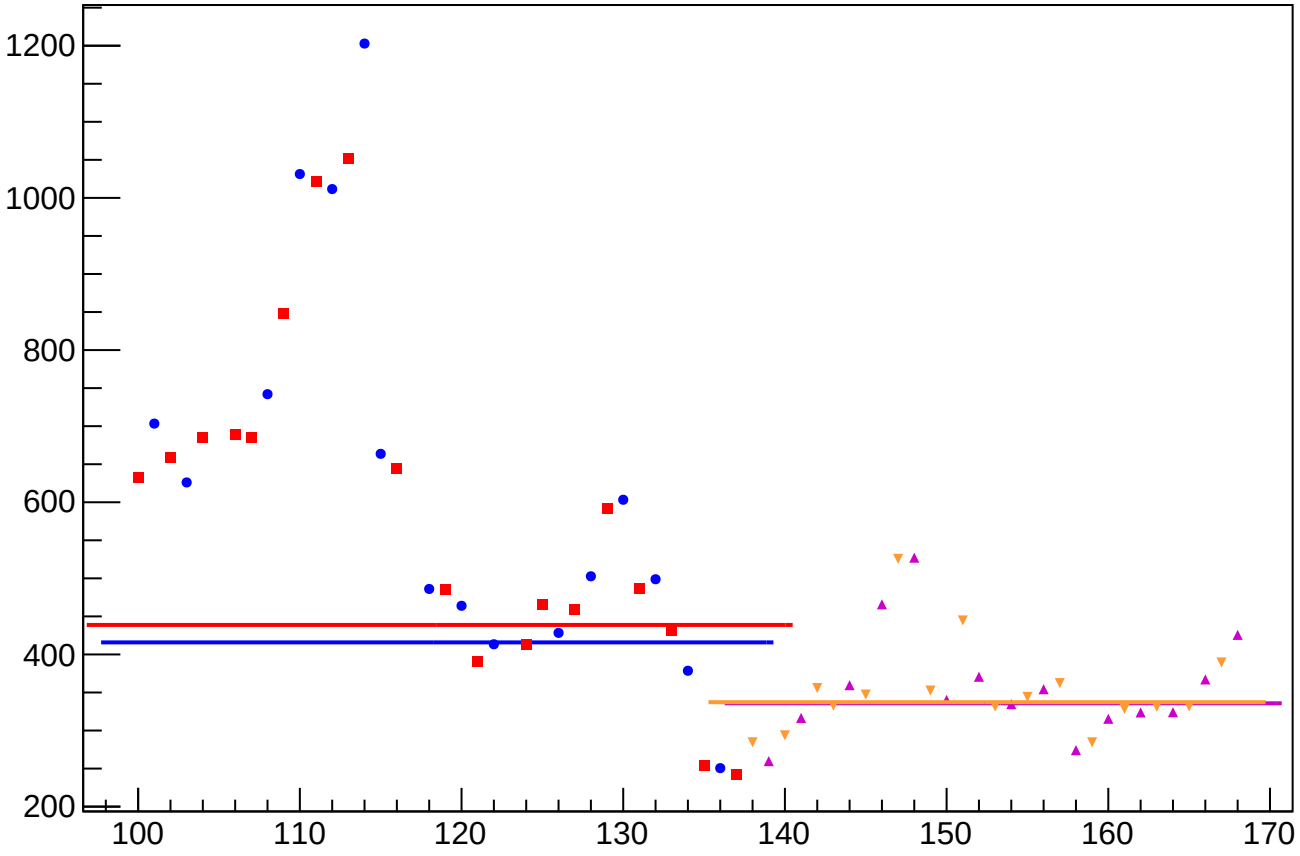
Left In: 68.202+/-97.090 χ^2/NDF:25.9/14

+ sign -73.485+/-83.515 χ^2/NDF: 33.8/31

All: -35.833+/-59.526 χ^2/NDF: 82.4/65

- sign 3.049+/-84.867 χ^2/NDF: 48.2/33

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 337.256+/-0.068 χ^2/NDF:498467.9/15

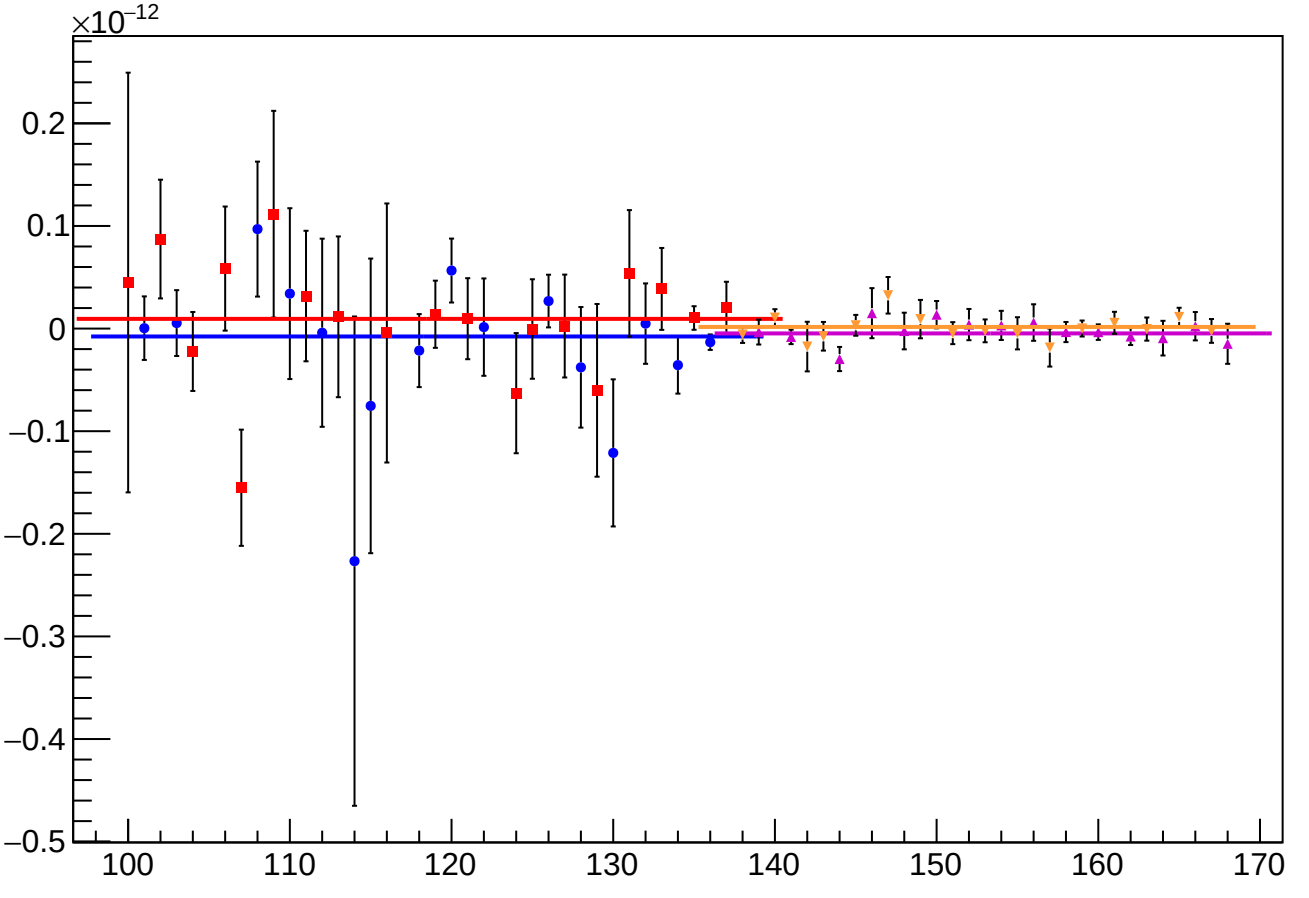
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 335.809+/-0.069 χ^2/NDF:713304.4/14

+ sign 356.630+/-0.059 χ^2/NDF: 3051353.1/31

All: 358.338+/-0.042 χ^2/NDF: 6531851.1/65

- sign 360.103+/-0.060 χ^2/NDF: 3478796.1/33



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/15

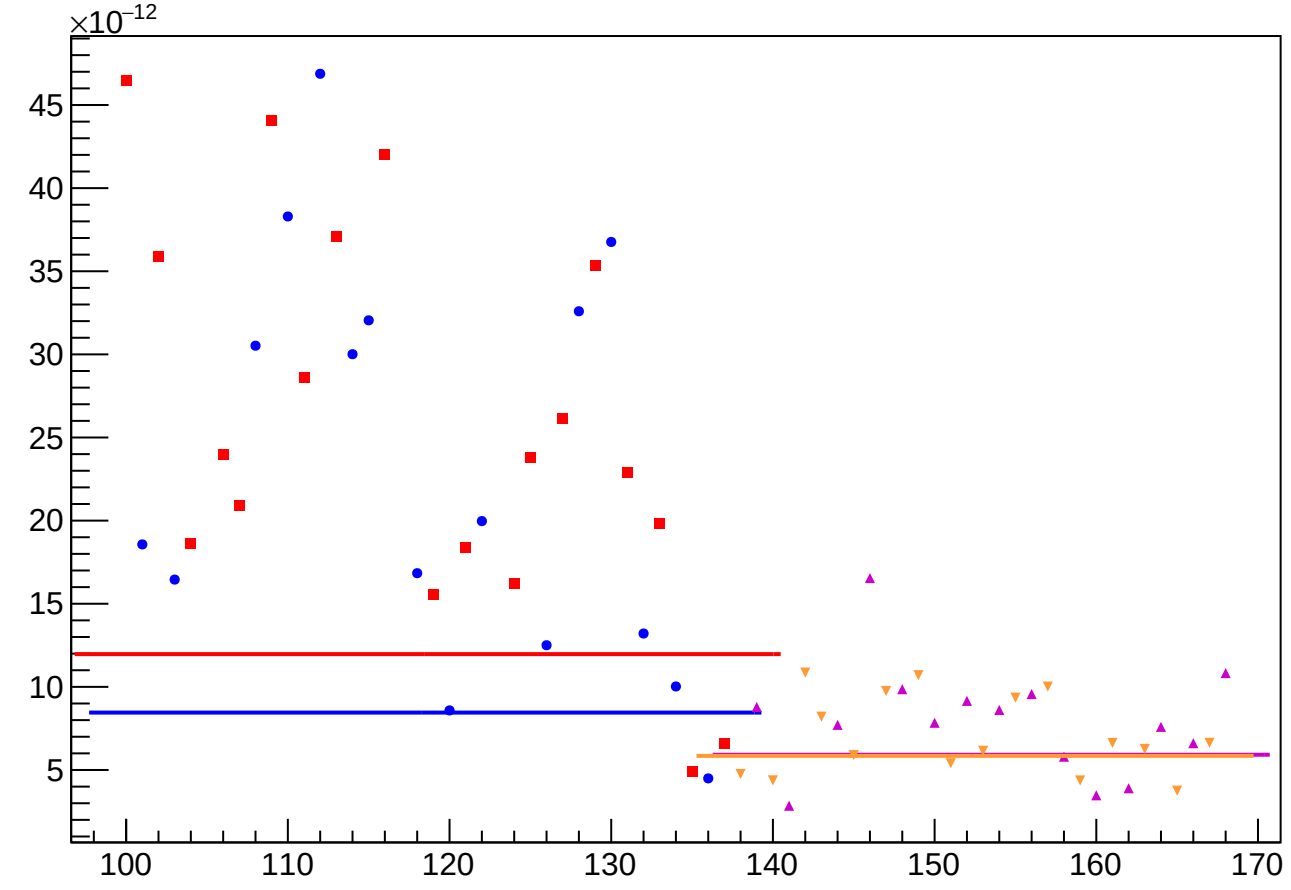
Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:9.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 26.2/31

All: -0.000+/-0.000 χ^2/NDF: 54.8/65

- sign -0.000+/-0.000 χ^2/NDF: 28.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:881996.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

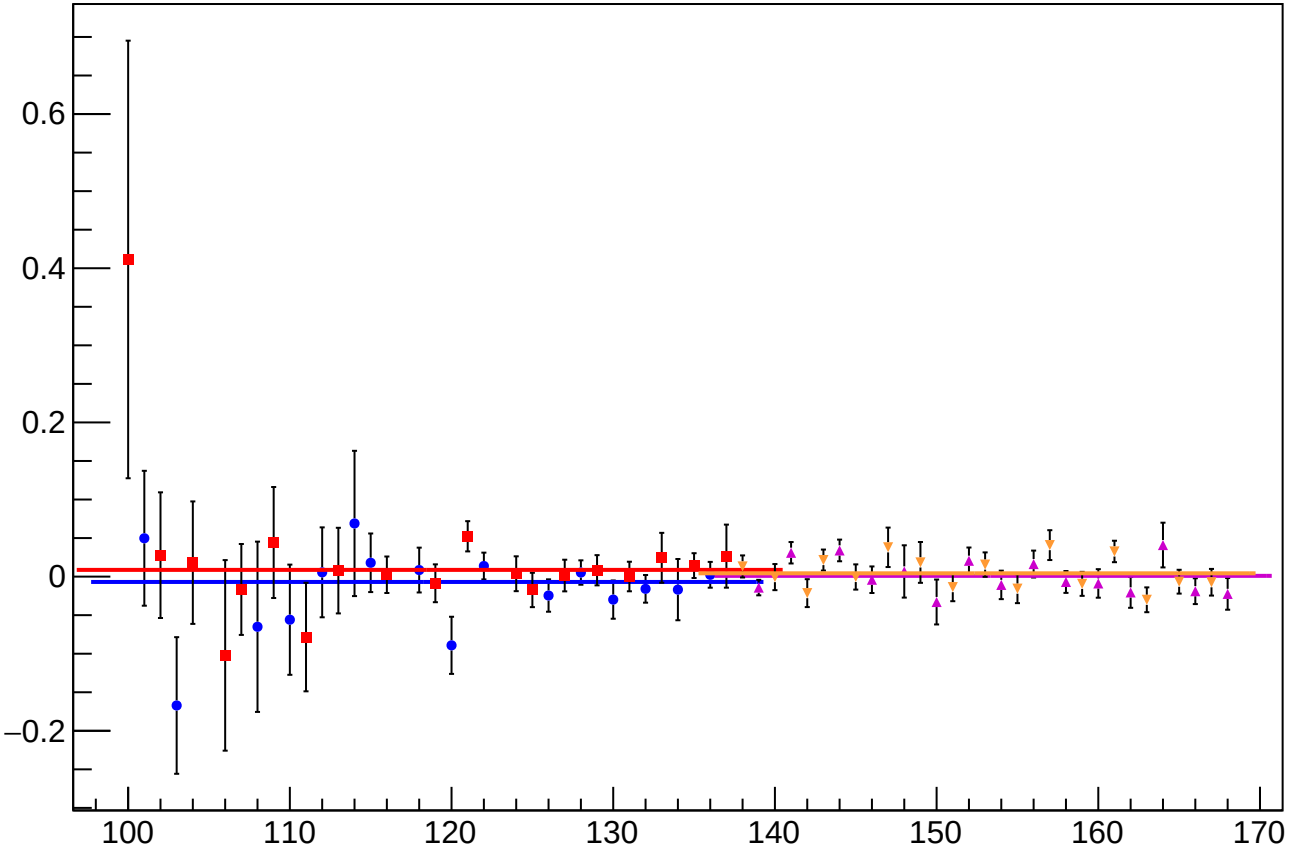
Left In: 0.000+/-0.000 χ^2/NDF:1782209.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 3934953.7/31

All: 0.000+/-0.000 χ^2/NDF: 9464625.4/65

- sign 0.000+/-0.000 χ^2/NDF: 5512469.0/33

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.004+/-0.004 χ^2/NDF:22.8/15

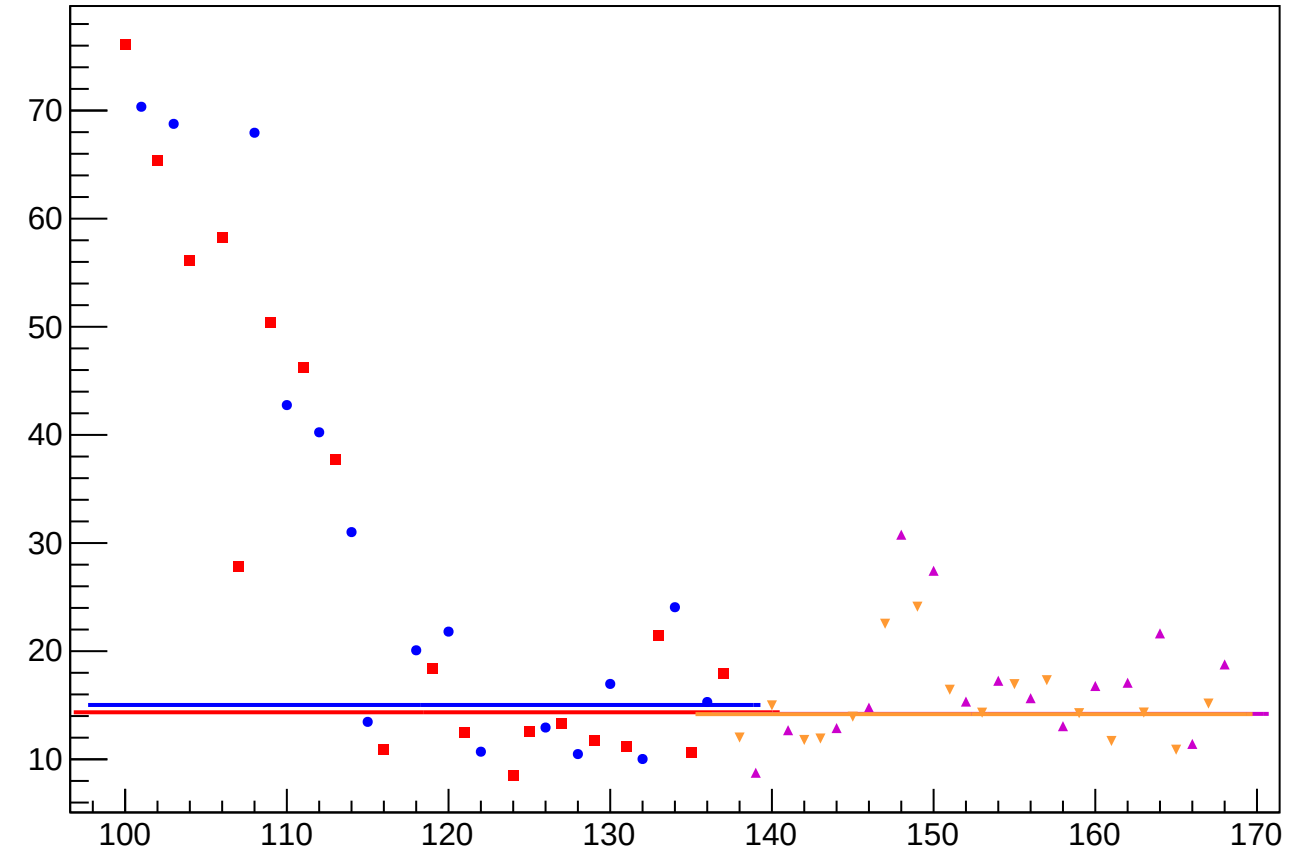
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.001+/-0.004 χ^2/NDF:22.8/14

+ sign 0.001+/-0.004 χ^2/NDF: 39.7/31

All: 0.002+/-0.003 χ^2/NDF: 76.3/65

- sign 0.003+/-0.004 χ^2/NDF: 36.4/33



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.177+/-0.003 χ^2/NDF:923215.1/15

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

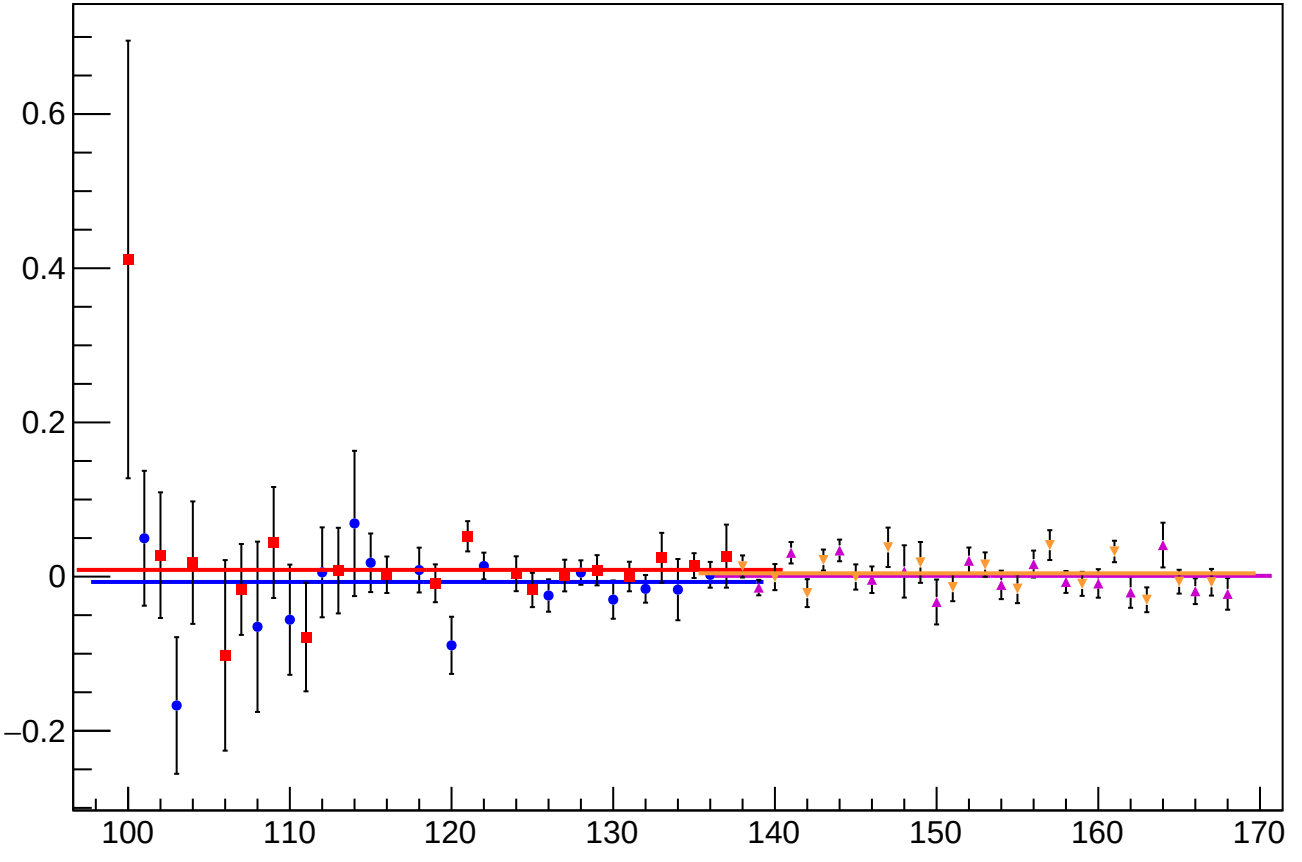
Left In: 14.201+/-0.003 χ^2/NDF:1978081.4/14

+ sign 14.414+/-0.003 χ^2/NDF: 4384370.3/31

All: 14.332+/-0.002 χ^2/NDF: 9994366.7/65

- sign 14.248+/-0.003 χ^2/NDF: 5607824.4/33

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.004+/-0.004 χ^2/NDF:22.8/15

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

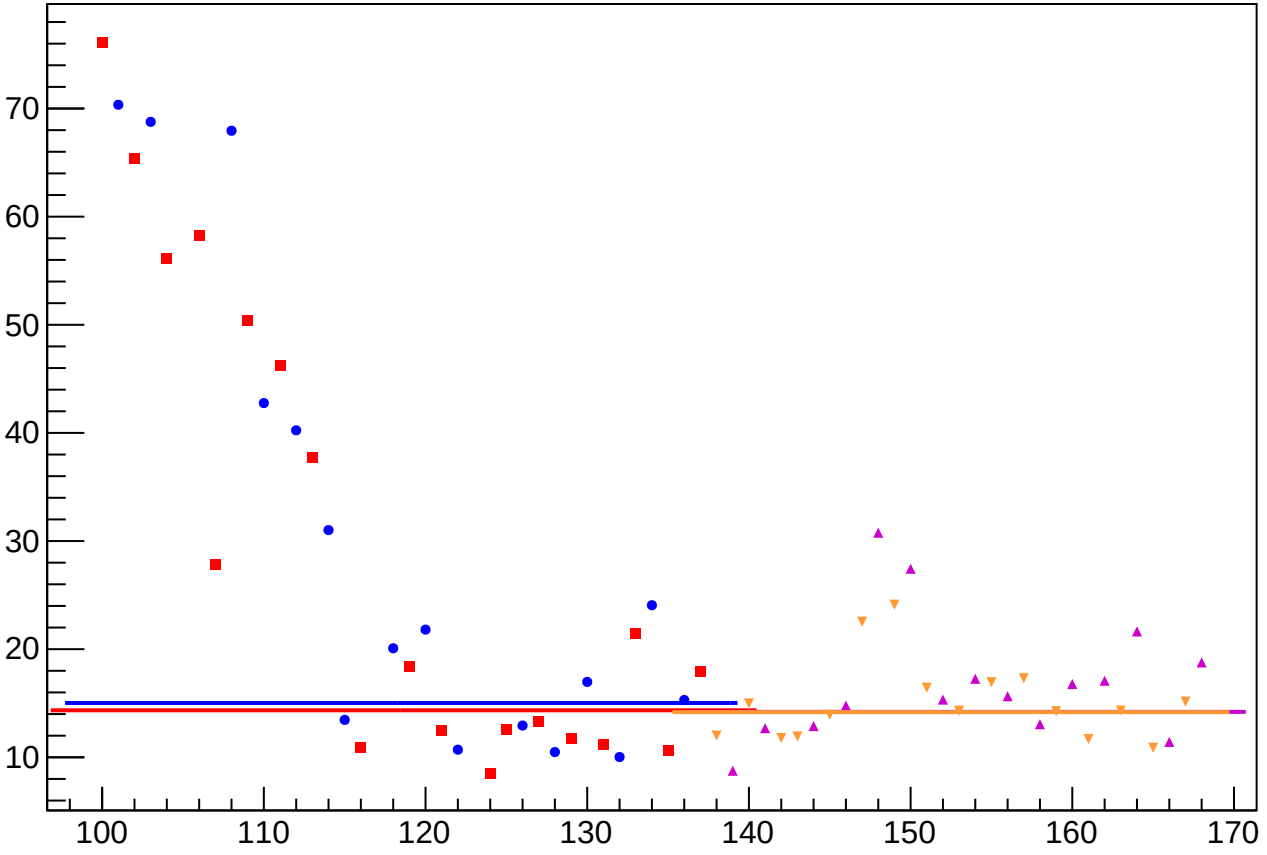
Left In: 0.001+/-0.004 χ^2/NDF:22.8/14

+ sign 0.001+/-0.004 χ^2/NDF: 39.7/31

All: 0.002+/-0.003 χ^2/NDF: 76.3/65

- sign 0.003+/-0.004 χ^2/NDF: 36.4/33

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.177+/-0.003 χ^2/NDF:923215.1/15

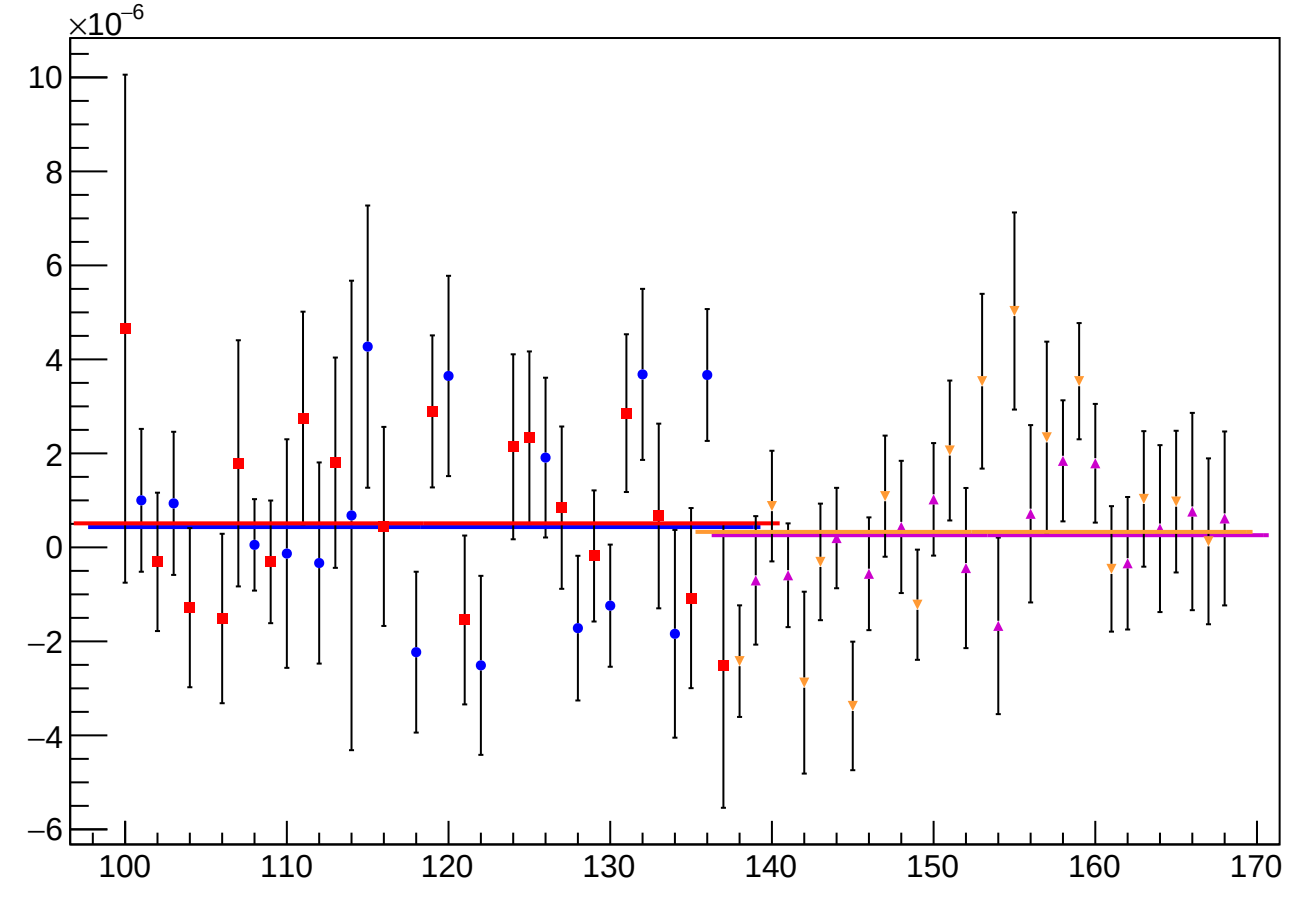
Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.201+/-0.003 χ^2/NDF:1978081.4/14

\+ sign 14.414+/-0.003 χ^2/NDF: 4384370.3/31

All: 14.332+/-0.002 χ^2/NDF: 9994366.7/65

\- sign 14.248+/-0.003 χ^2/NDF: 5607824.4/33



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.9/15

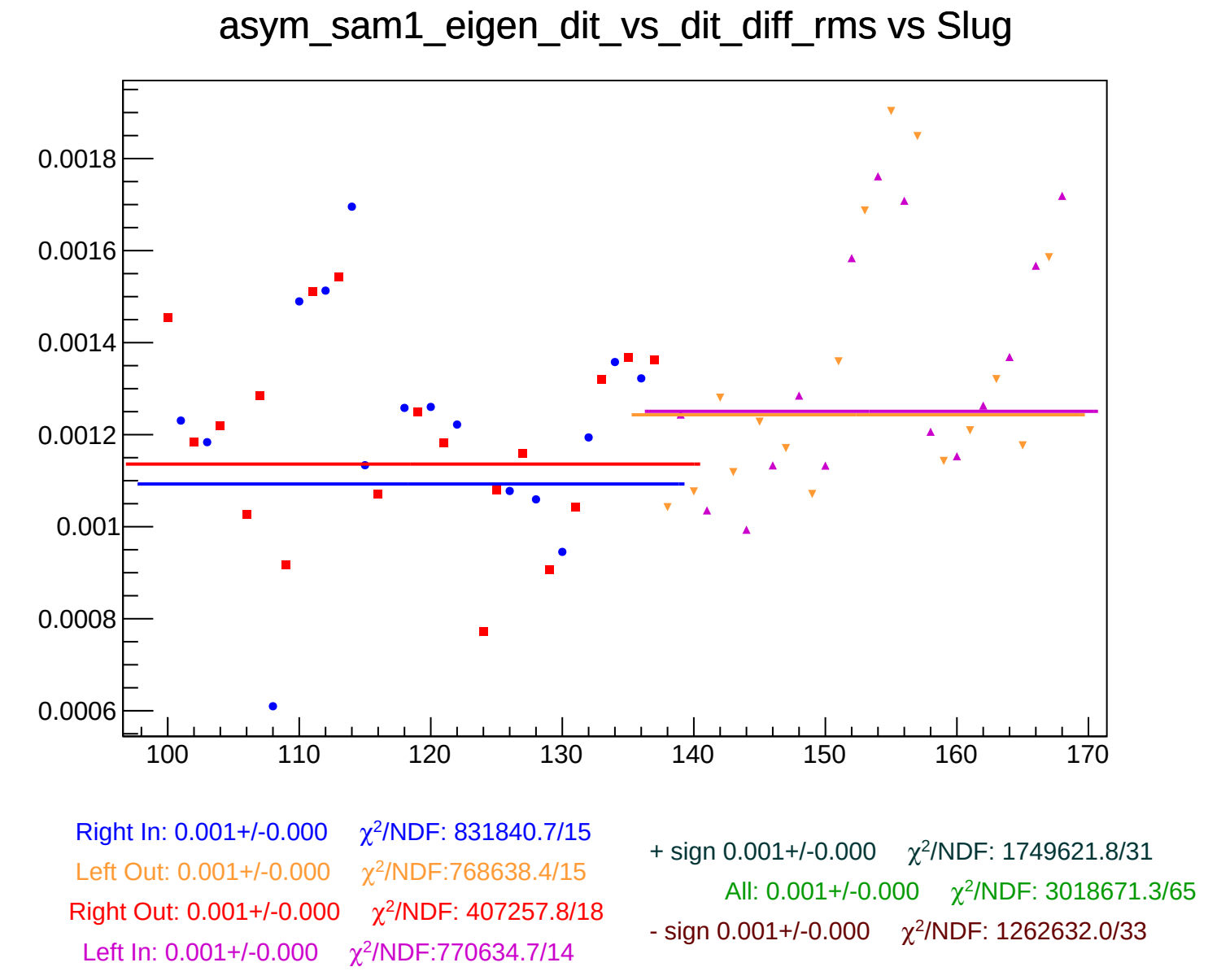
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/14

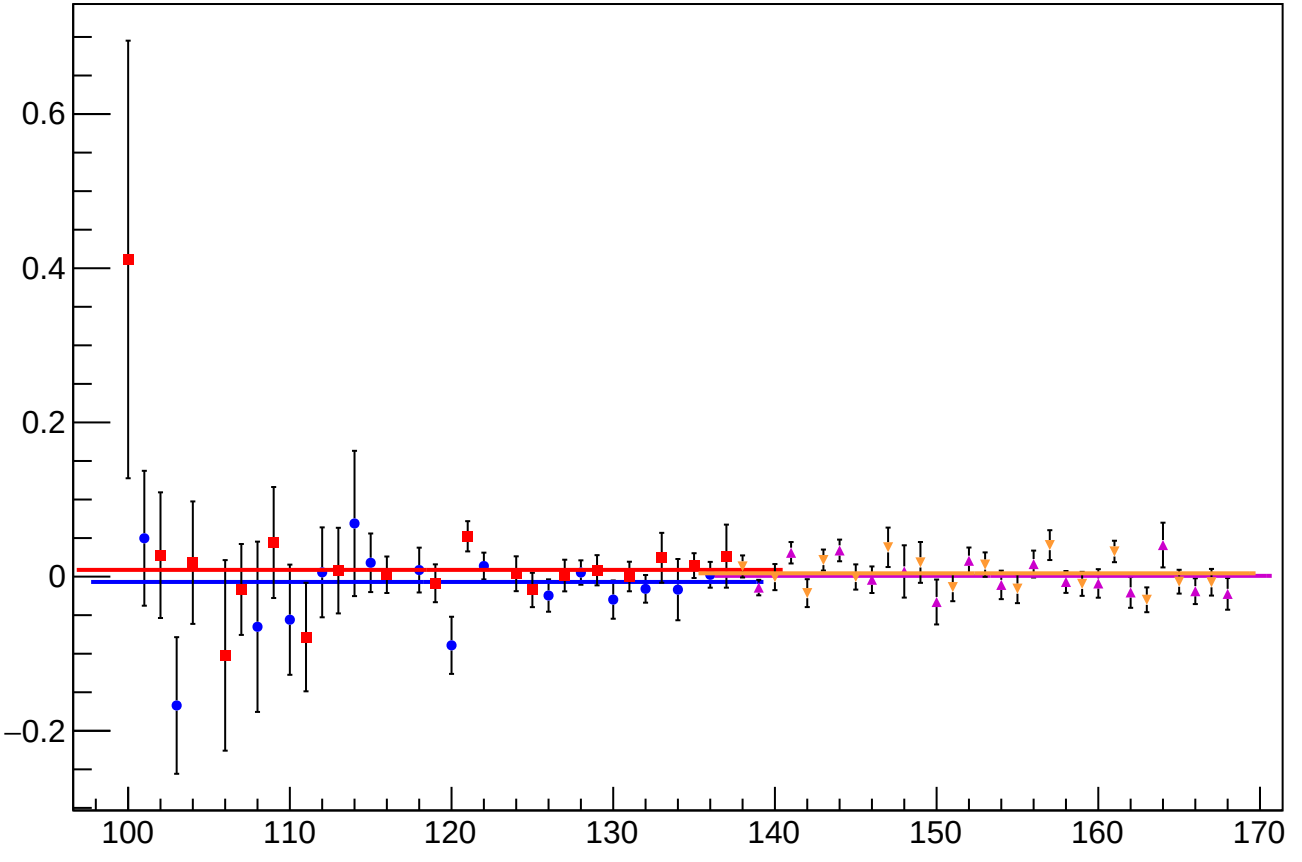
+ sign 0.000+/-0.000 χ^2/NDF: 59.1/31

All: 0.000+/-0.000 χ^2/NDF: 80.2/65

- sign 0.000+/-0.000 χ^2/NDF: 21.0/33


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:768638.4/15
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:770634.7/14
+ sign 0.001+/-0.000 χ²/NDF: 1749621.8/31
All: 0.001+/-0.000 χ²/NDF: 3018671.3/65
- sign 0.001+/-0.000 χ²/NDF: 1262632.0/33

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.004+/-0.004 χ^2/NDF:22.8/15

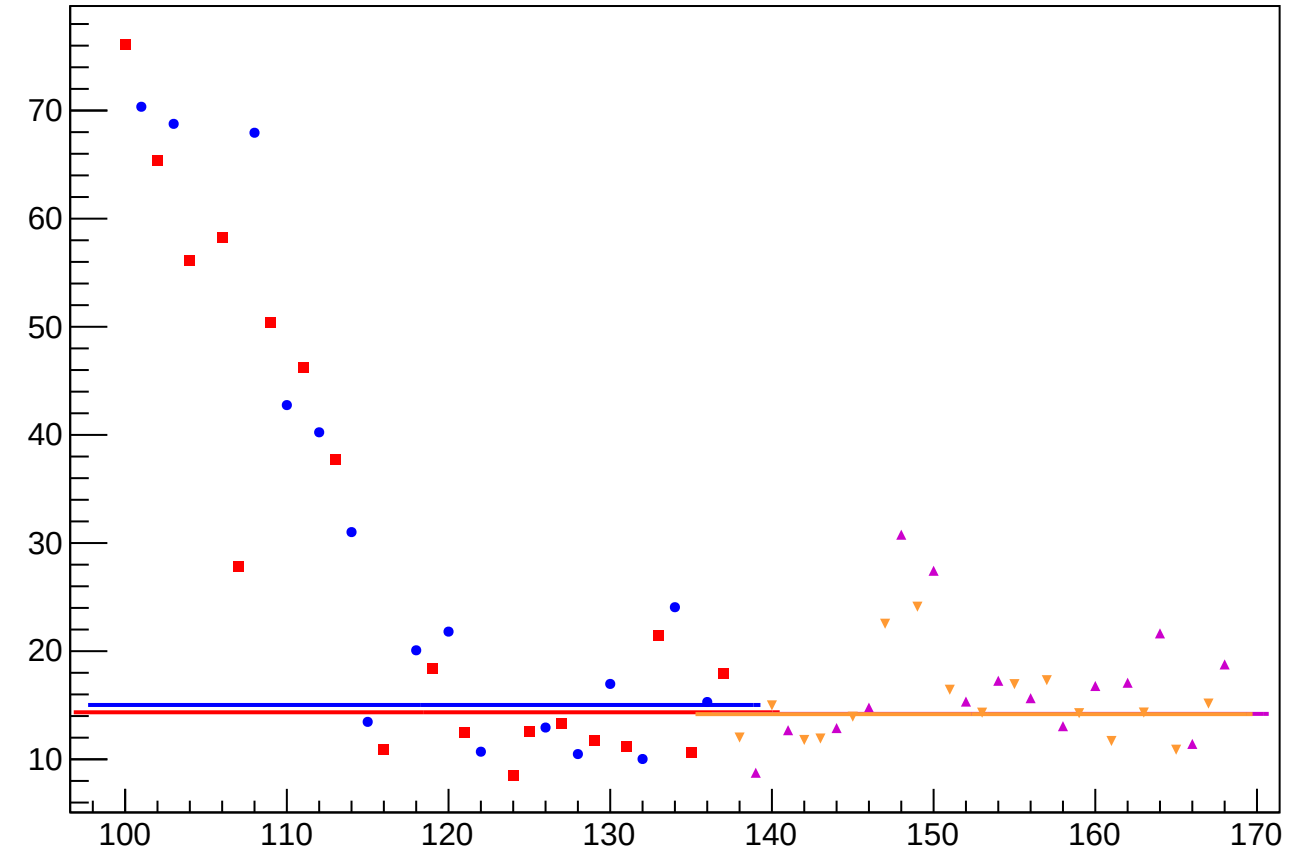
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.001+/-0.004 χ^2/NDF:22.8/14

+ sign 0.001+/-0.004 χ^2/NDF: 39.7/31

All: 0.002+/-0.003 χ^2/NDF: 76.3/65

- sign 0.003+/-0.004 χ^2/NDF: 36.4/33



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.176+/-0.003 χ^2/NDF:923275.4/15

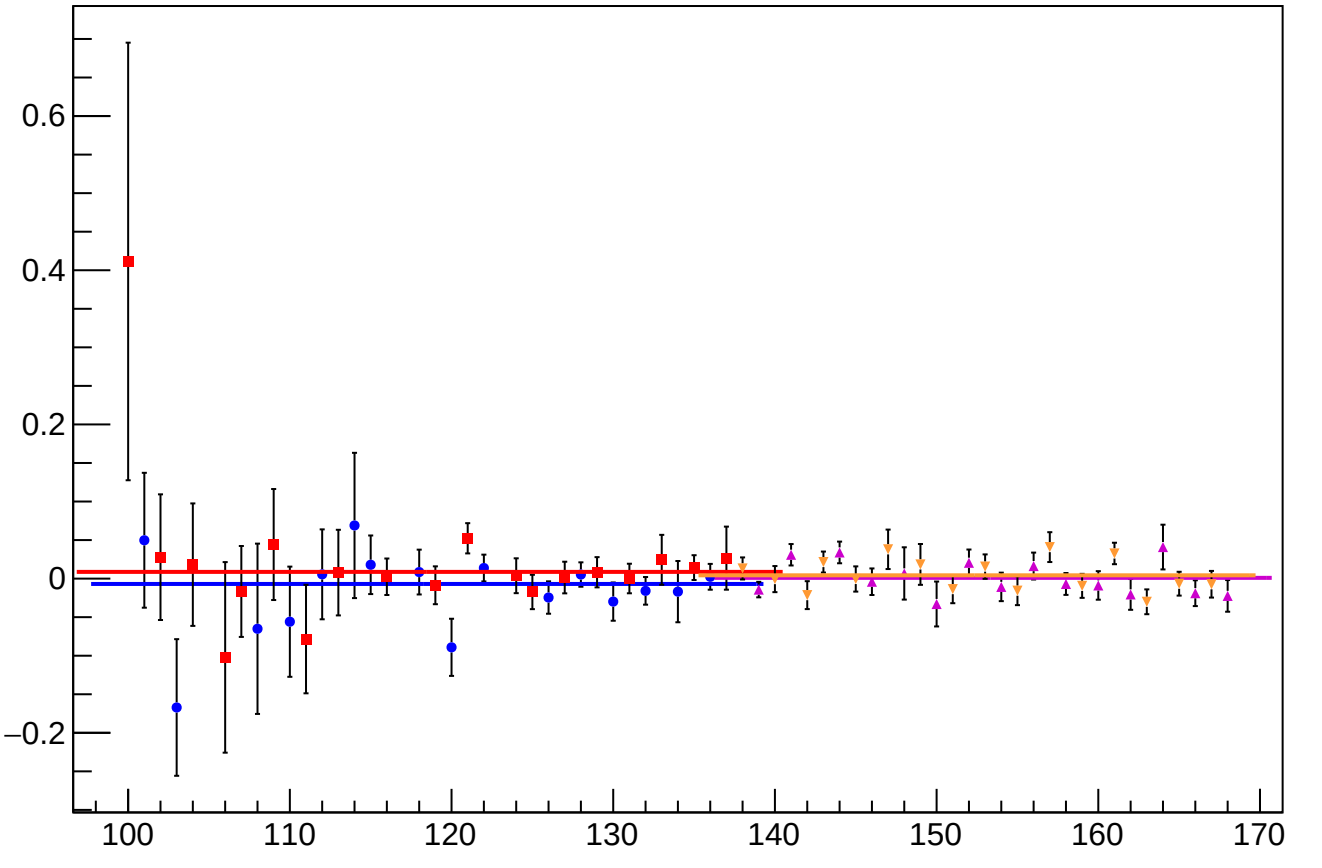
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.201+/-0.003 χ^2/NDF:1978150.3/14

+ sign 14.414+/-0.003 χ^2/NDF: 4384445.1/31

All: 14.332+/-0.002 χ^2/NDF: 9994499.4/65

- sign 14.247+/-0.003 χ^2/NDF: 5607883.2/33



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.004+/-0.004 χ^2/NDF:22.8/15

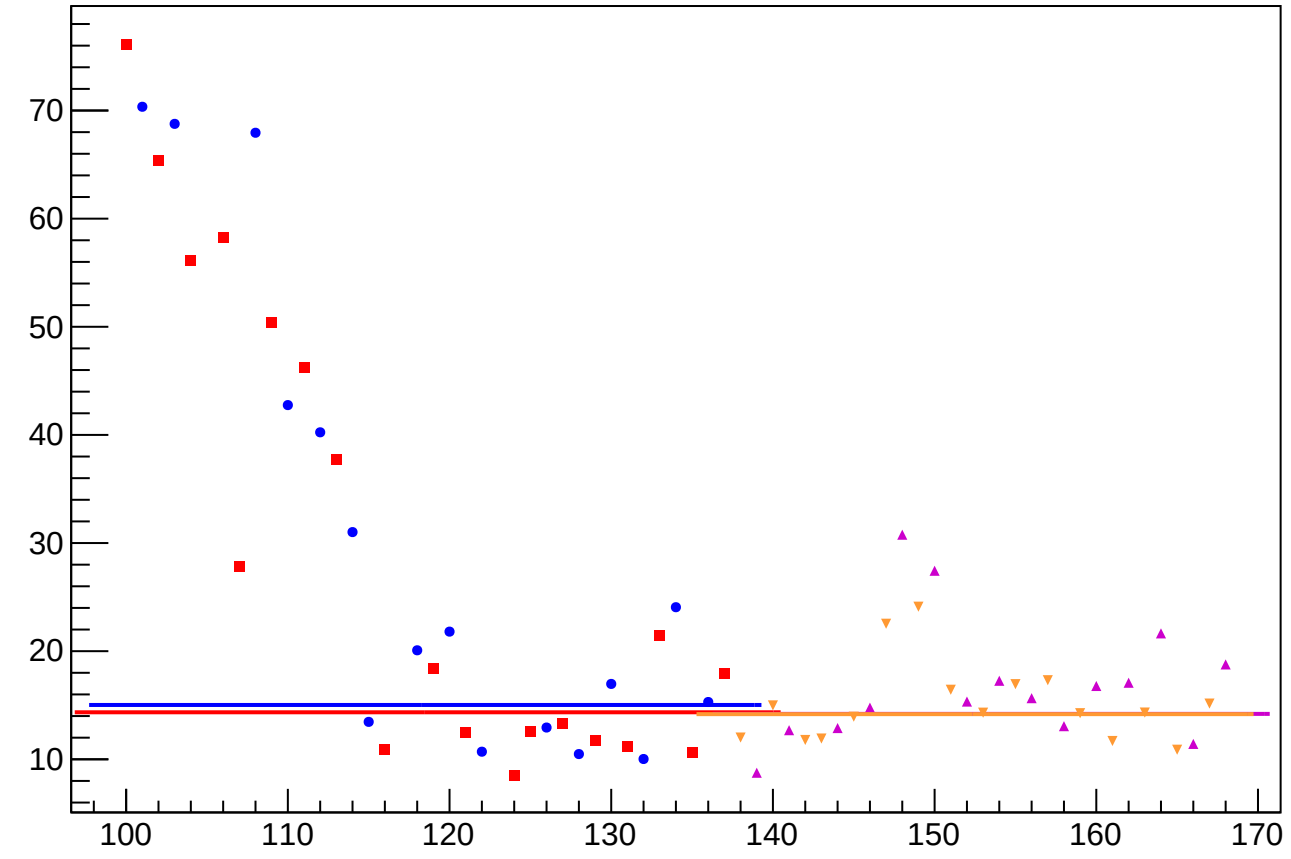
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.001+/-0.004 χ^2/NDF:22.8/14

+ sign 0.001+/-0.004 χ^2/NDF: 39.7/31

All: 0.002+/-0.003 χ^2/NDF: 76.3/65

- sign 0.003+/-0.004 χ^2/NDF: 36.4/33



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.176+/-0.003 χ^2/NDF:923275.4/15

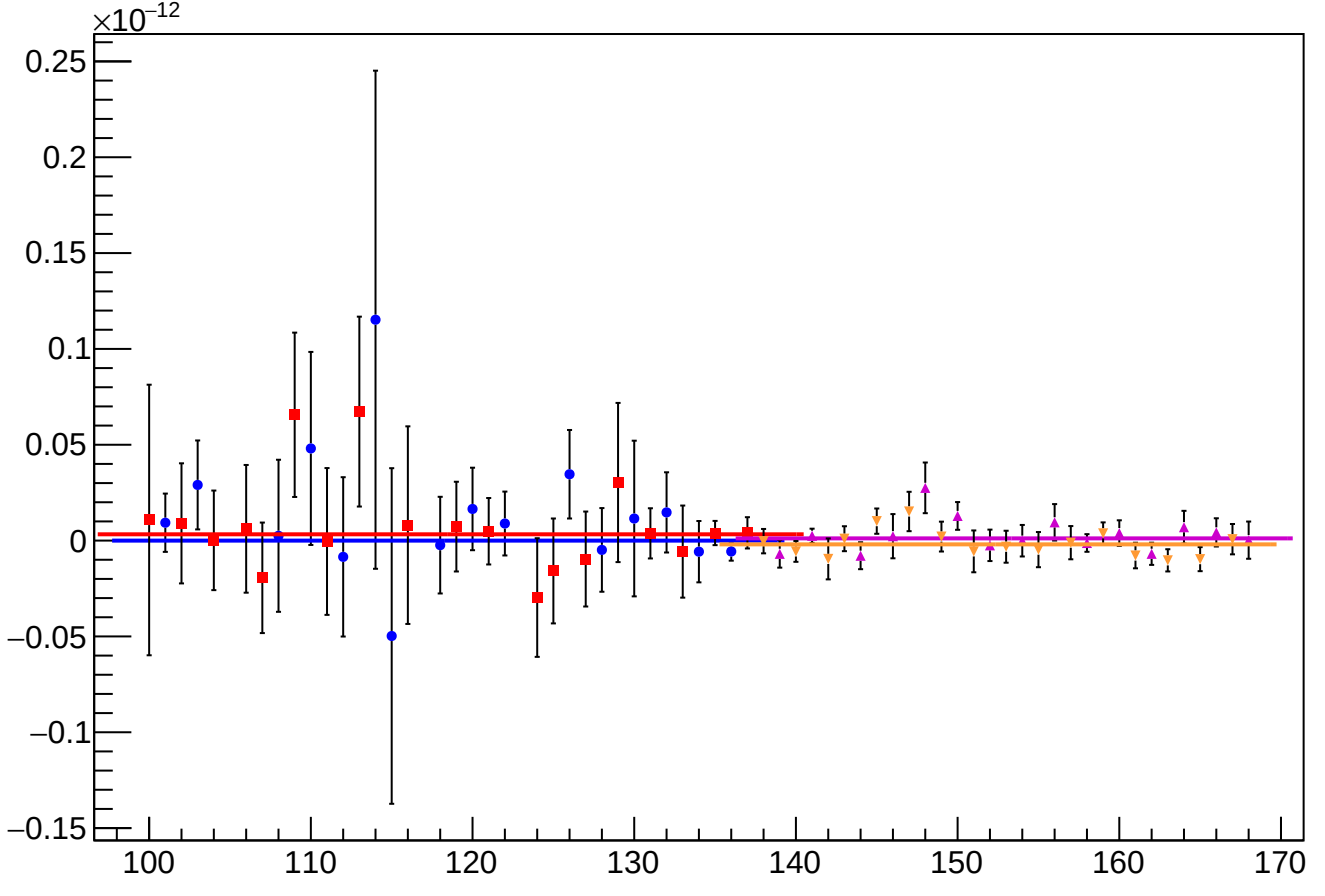
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.201+/-0.003 χ^2/NDF:1978150.3/14

+ sign 14.414+/-0.003 χ^2/NDF: 4384445.1/31

All: 14.332+/-0.002 χ^2/NDF: 9994499.4/65

- sign 14.247+/-0.003 χ^2/NDF: 5607883.2/33



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

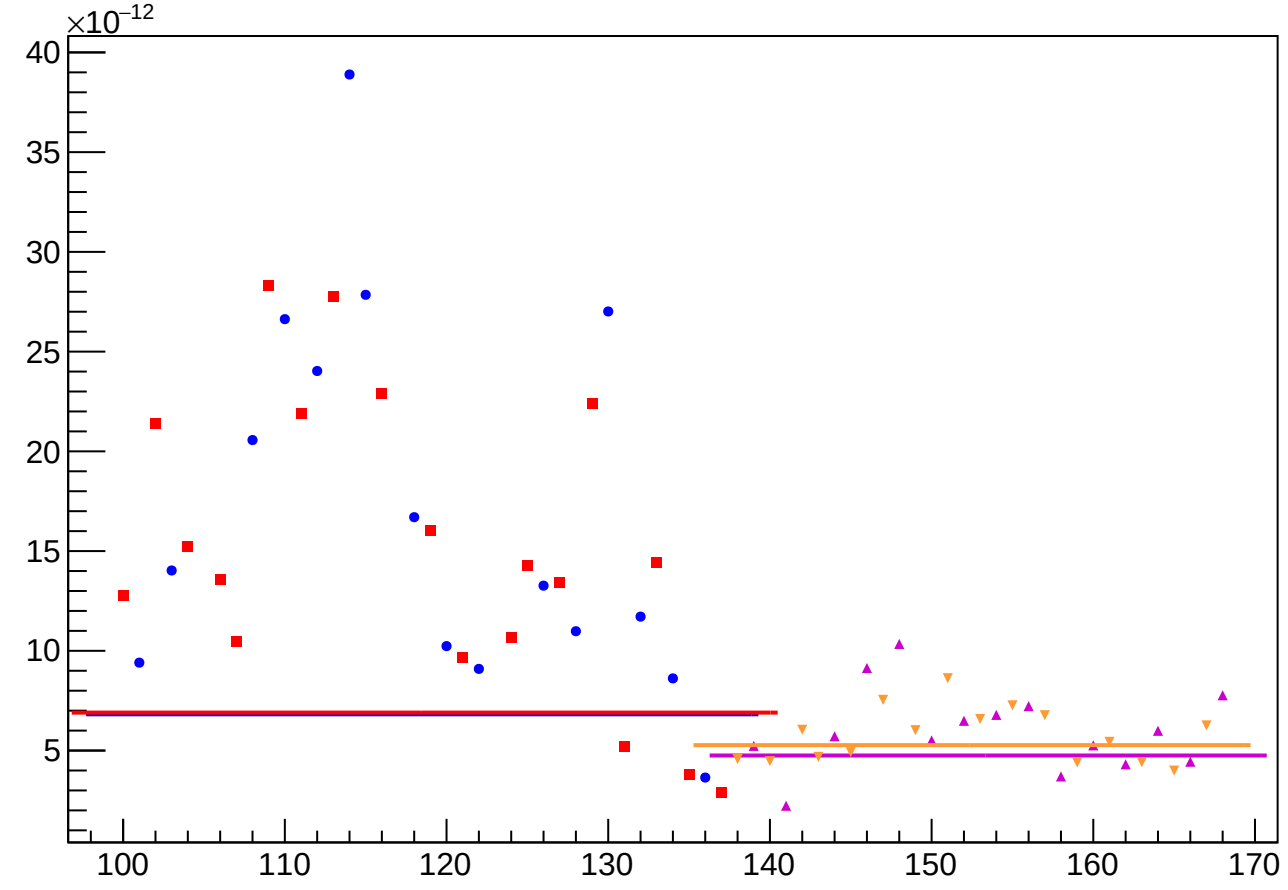
Left In: 0.000+/-0.000 χ^2/NDF:13.7/14

+ sign -0.000+/-0.000 χ^2/NDF: 22.9/31

All: -0.000+/-0.000 χ^2/NDF: 45.7/65

- sign 0.000+/-0.000 χ^2/NDF: 20.9/33

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:814192.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

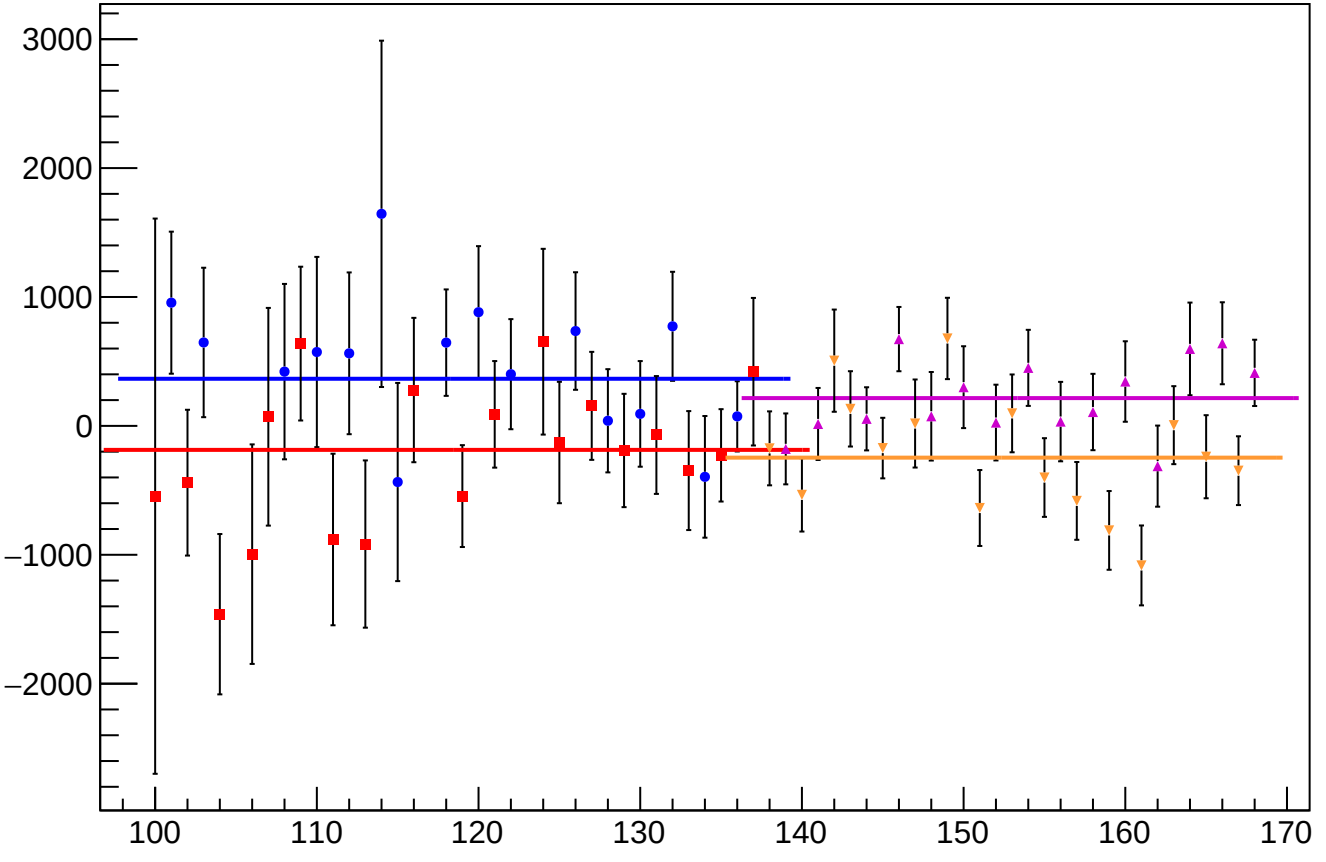
Left In: 0.000+/-0.000 χ^2/NDF:2355552.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 4597740.5/31

All: 0.000+/-0.000 χ^2/NDF: 11768531.3/65

- sign 0.000+/-0.000 χ^2/NDF: 7092993.4/33

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -246.352+/-74.689 χ^2/NDF:31.7/15

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

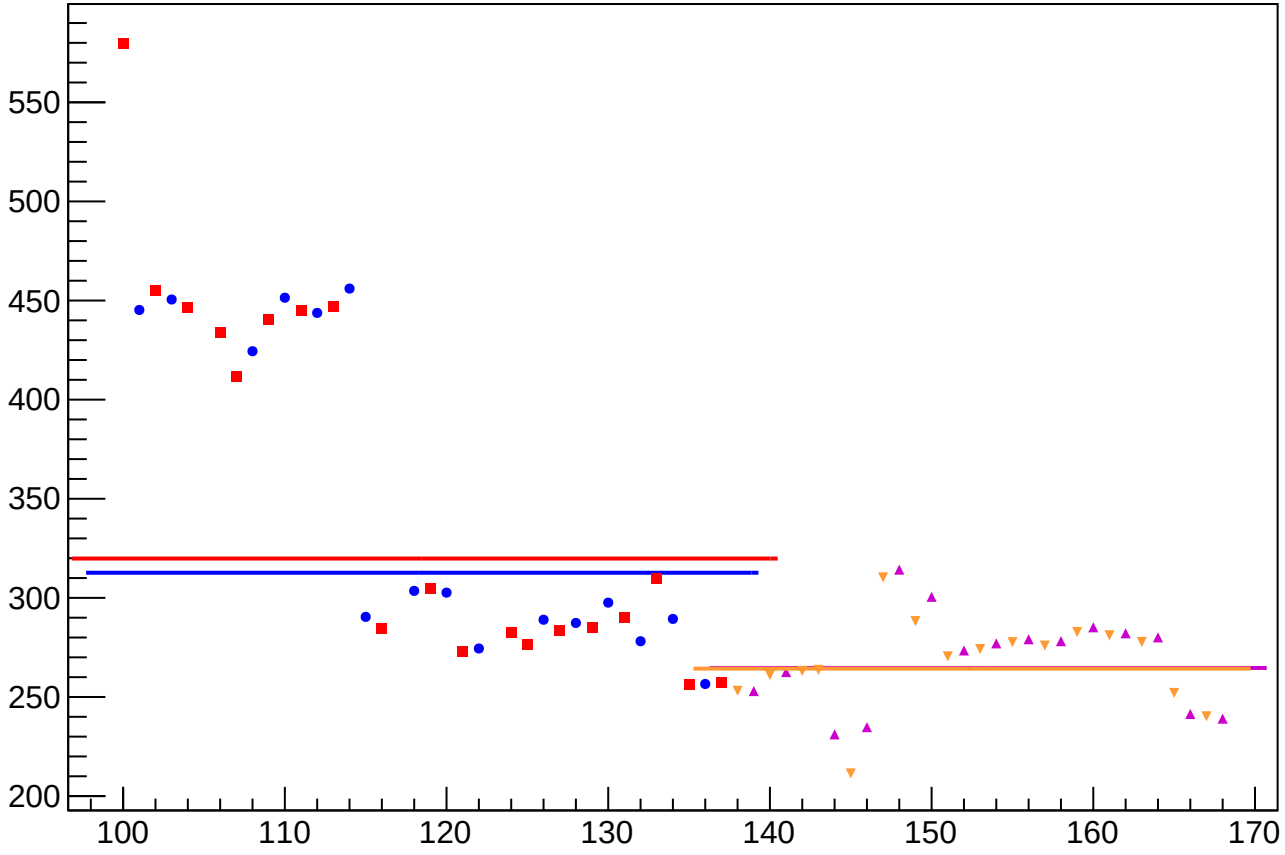
Left In: 215.568+/-75.528 χ^2/NDF:14.6/14

+ sign -73.163+/-63.242 χ^2/NDF: 62.2/31

All: 13.366+/-44.967 χ^2/NDF: 103.6/65

- sign 101.842+/-63.949 χ^2/NDF: 37.6/33

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 264.304+/-0.053 χ^2/NDF:198666.6/15

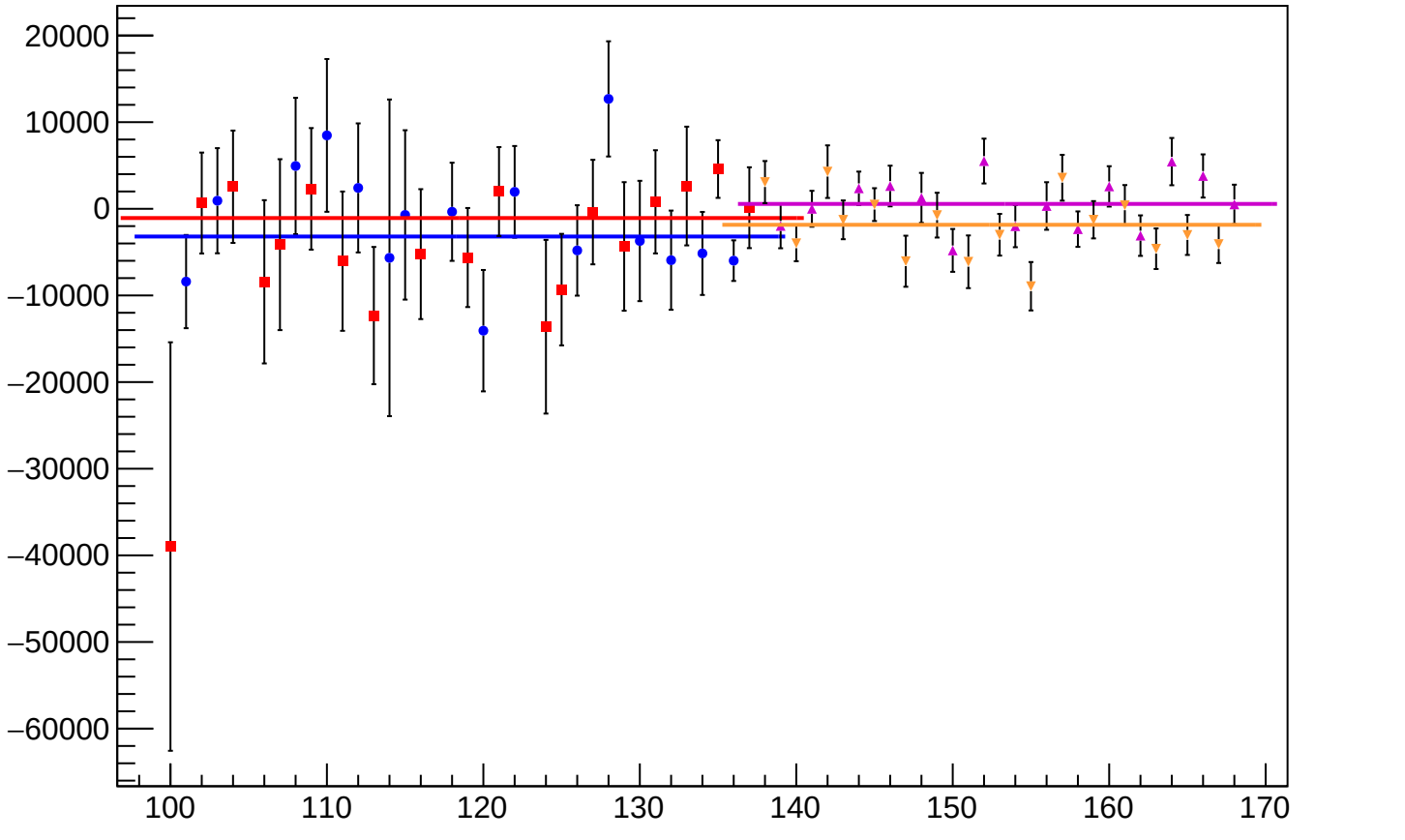
Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 264.640+/-0.053 χ^2/NDF:199966.4/14

+ sign 277.997+/-0.045 χ^2/NDF: 1038373.7/31

All: 279.120+/-0.032 χ^2/NDF: 2239939.6/65

- sign 280.268+/-0.045 χ^2/NDF: 1200291.2/33



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1846.236+/-598.959 χ^2/NDF:29.6/15

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

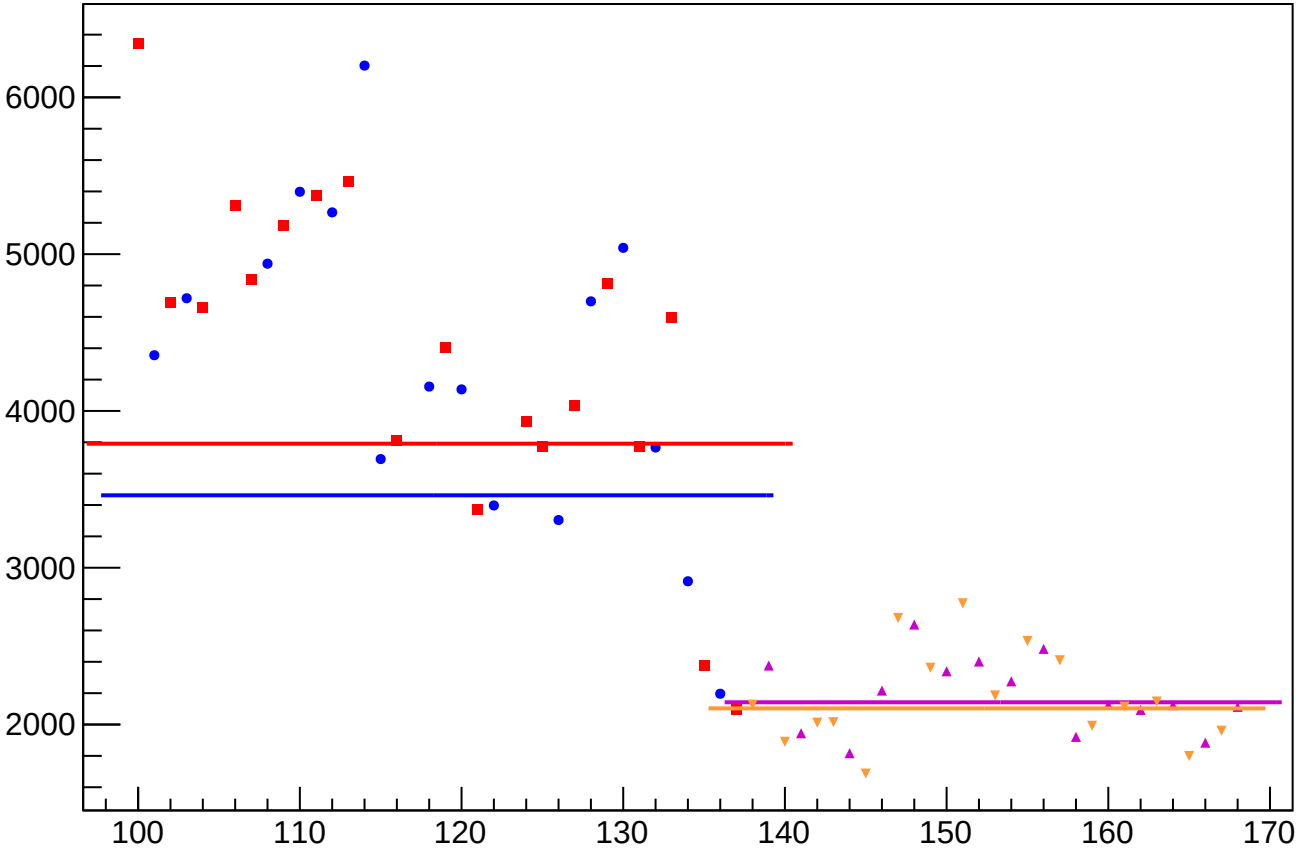
Left In: 563.621+/-612.962 χ^2/NDF:22.3/14

+ sign -2067.637+/-547.746 χ^2/NDF: 46.6/31

All: -911.732+/-393.000 χ^2/NDF: 93.5/65

- sign 314.624+/-564.191 χ^2/NDF: 37.8/33

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2103.006+/-0.424 χ^2/NDF:442401.0/15

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

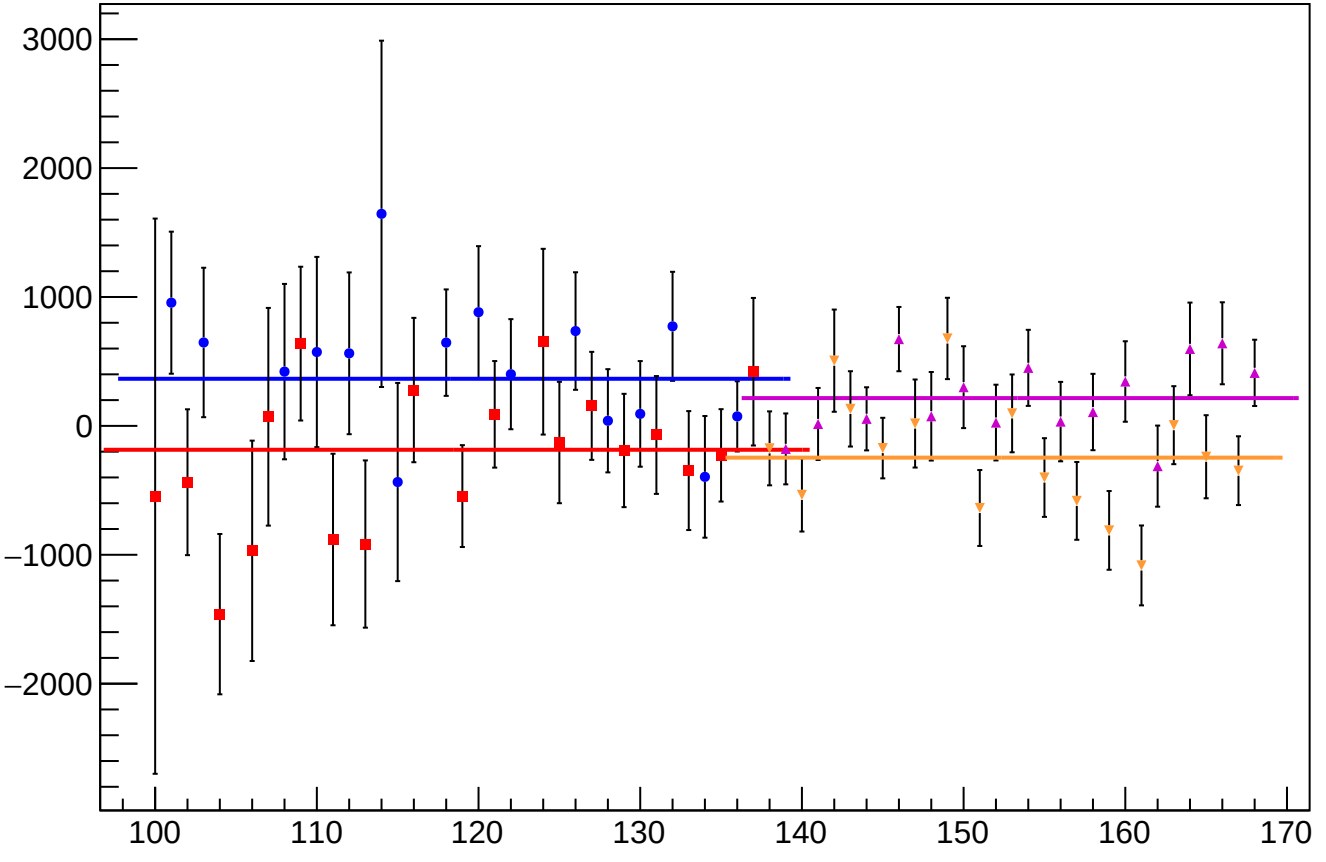
Left In: 2141.915+/-0.433 χ^2/NDF:268064.7/14

+ sign 2325.457+/-0.387 χ^2/NDF: 3437232.1/31

All: 2358.679+/-0.278 χ^2/NDF: 7088712.2/65

- sign 2393.927+/-0.399 χ^2/NDF: 3636316.6/33

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -246.345+/-74.689 χ^2/NDF:31.7/15

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

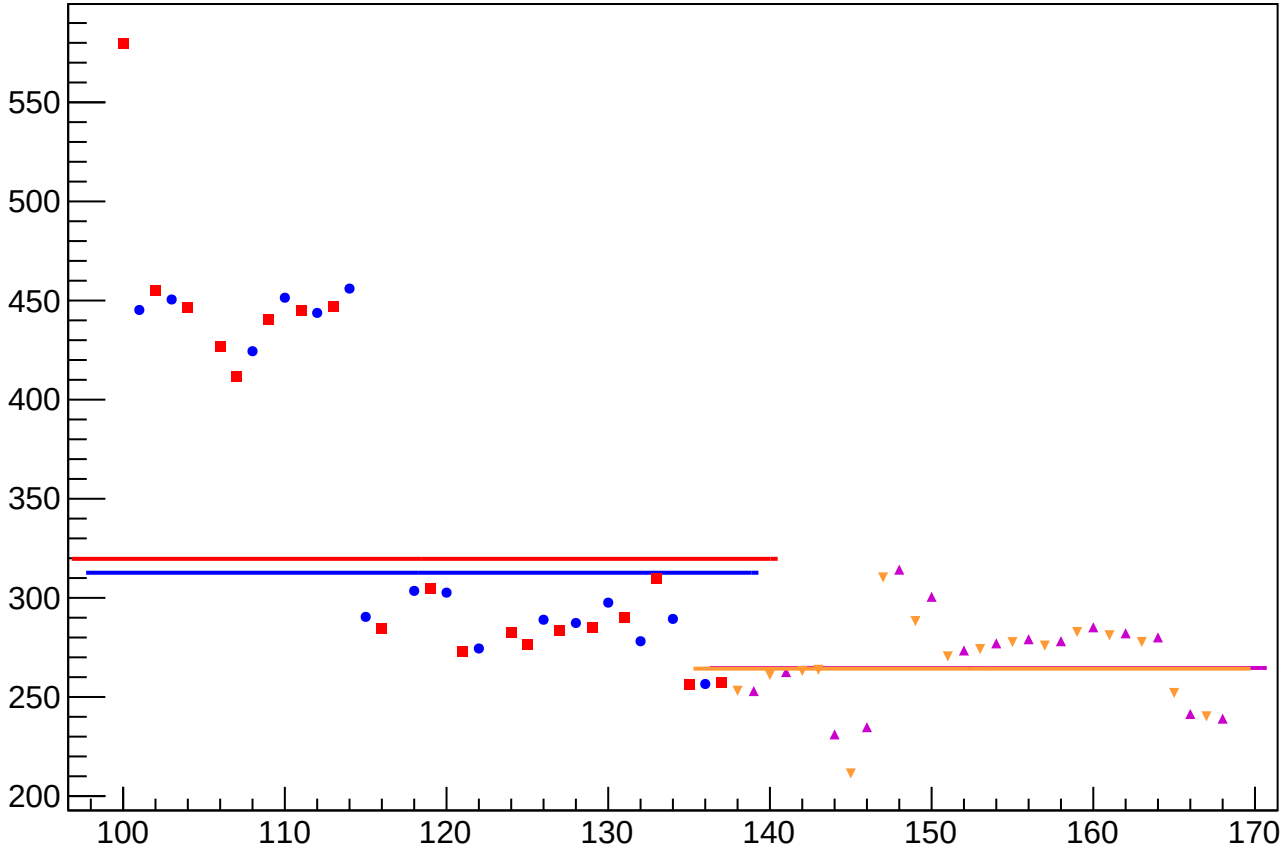
Left In: 215.569+/-75.528 χ^2/NDF:14.6/14

+ sign -73.163+/-63.242 χ^2/NDF: 62.2/31

All: 13.485+/-44.967 χ^2/NDF: 103.5/65

- sign 102.087+/-63.951 χ^2/NDF: 37.5/33

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 264.304+/-0.053 χ^2/NDF:198666.6/15

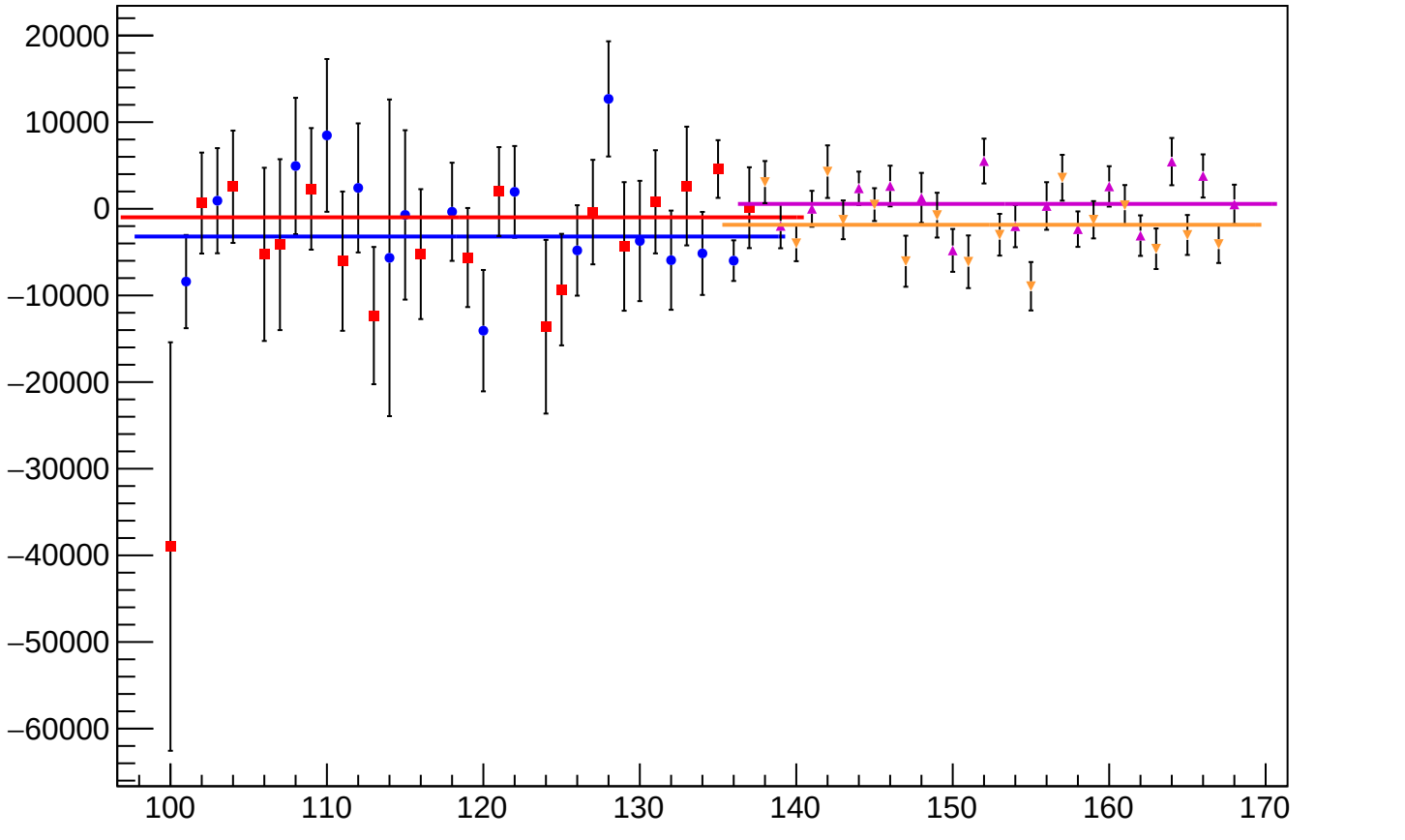
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 264.640+/-0.053 χ^2/NDF:199966.4/14

+ sign 277.997+/-0.045 χ^2/NDF: 1038375.3/31

All: 279.098+/-0.032 χ^2/NDF: 2234067.2/65

- sign 280.224+/-0.045 χ^2/NDF: 1194466.1/33



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1846.227+/-598.959 χ^2/NDF:29.6/15

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

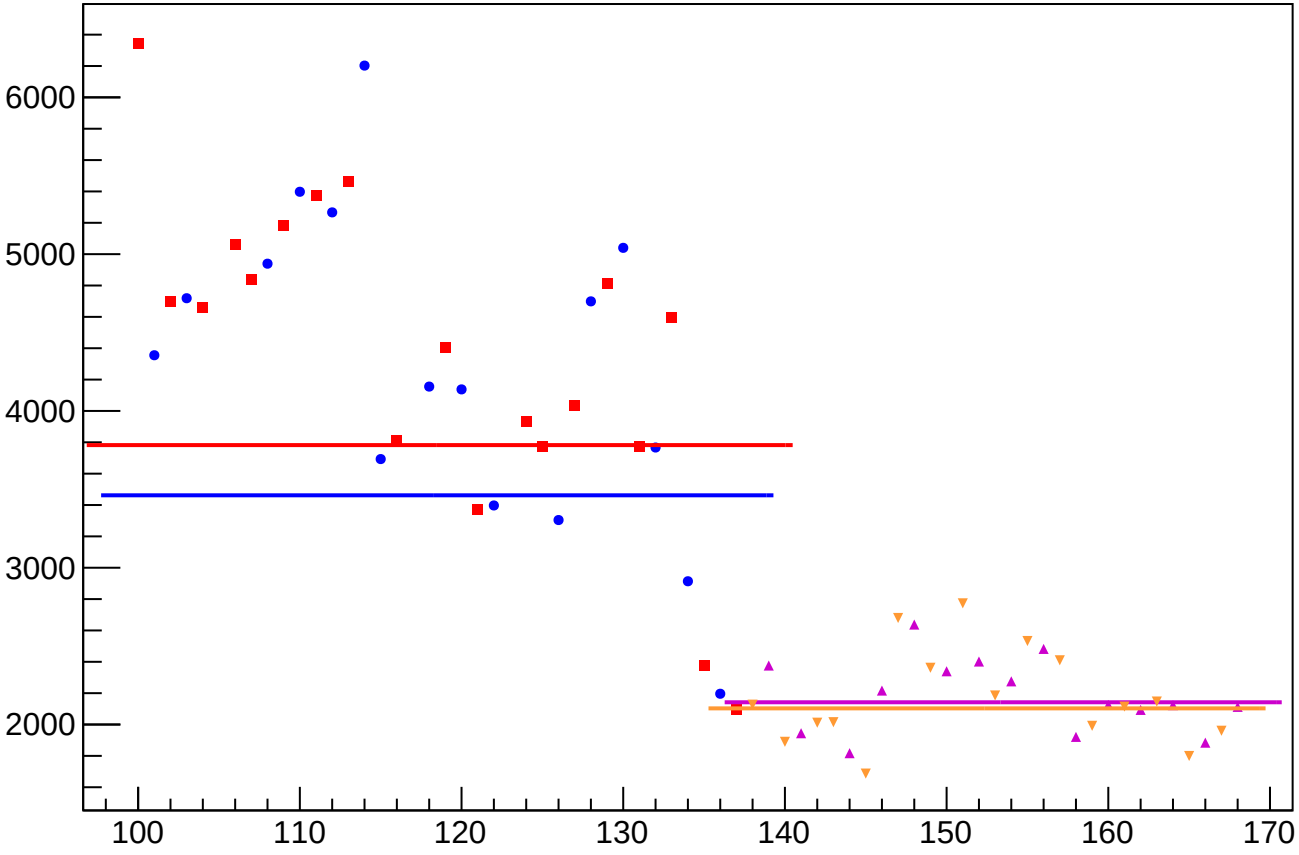
Left In: 563.612+/-612.962 χ^2/NDF:22.3/14

+ sign -2067.618+/-547.746 χ^2/NDF: 46.6/31

All: -905.409+/-393.039 χ^2/NDF: 93.1/65

- sign 328.141+/-564.307 χ^2/NDF: 37.3/33

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2103.006+/-0.424 χ^2/NDF:442401.5/15

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

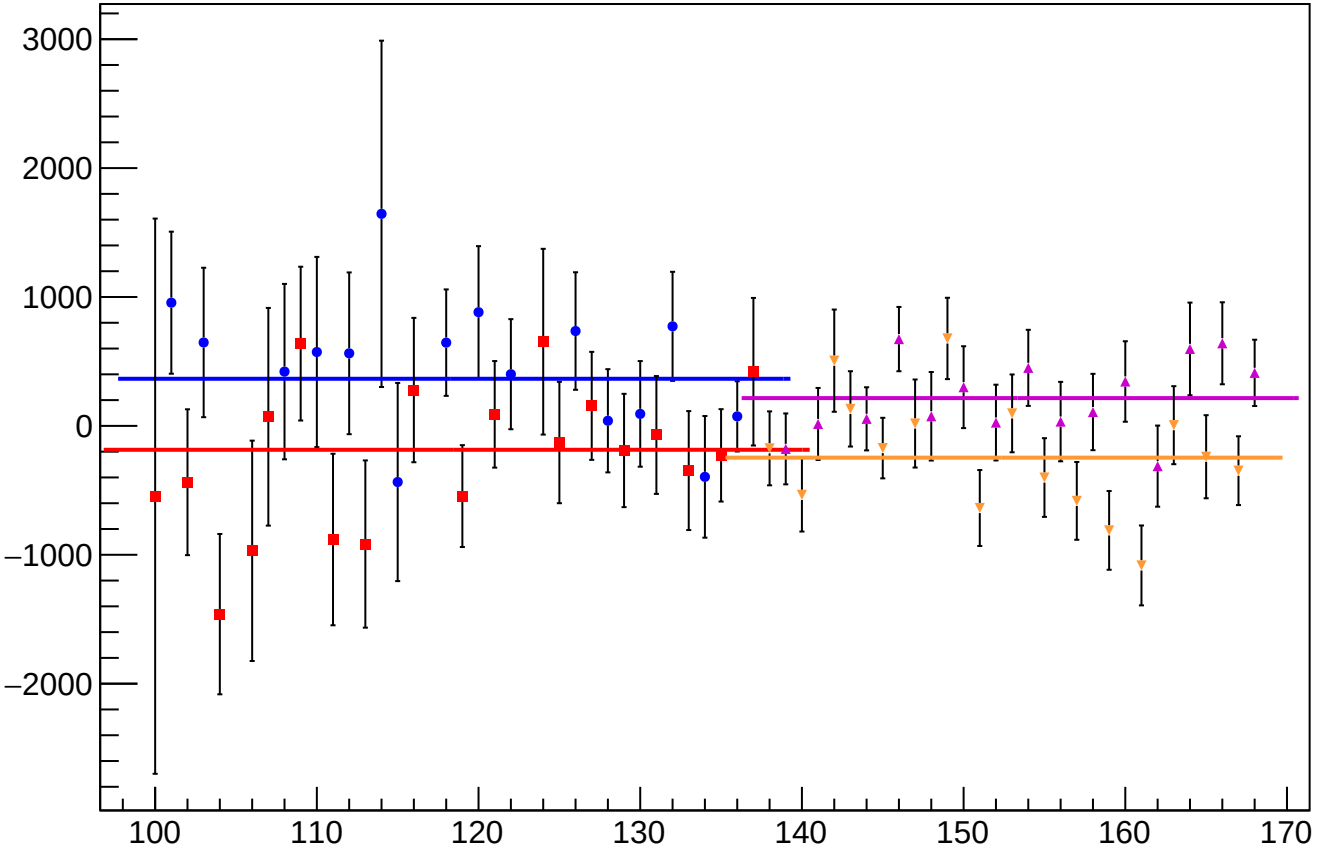
Left In: 2141.916+/-0.433 χ^2/NDF:268065.1/14

+ sign 2325.457+/-0.387 χ^2/NDF: 3437253.0/31

All: 2357.727+/-0.278 χ^2/NDF: 7039327.2/65

- sign 2391.978+/-0.399 χ^2/NDF: 3587764.5/33

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -246.345+/-74.689 χ^2/NDF:31.7/15

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

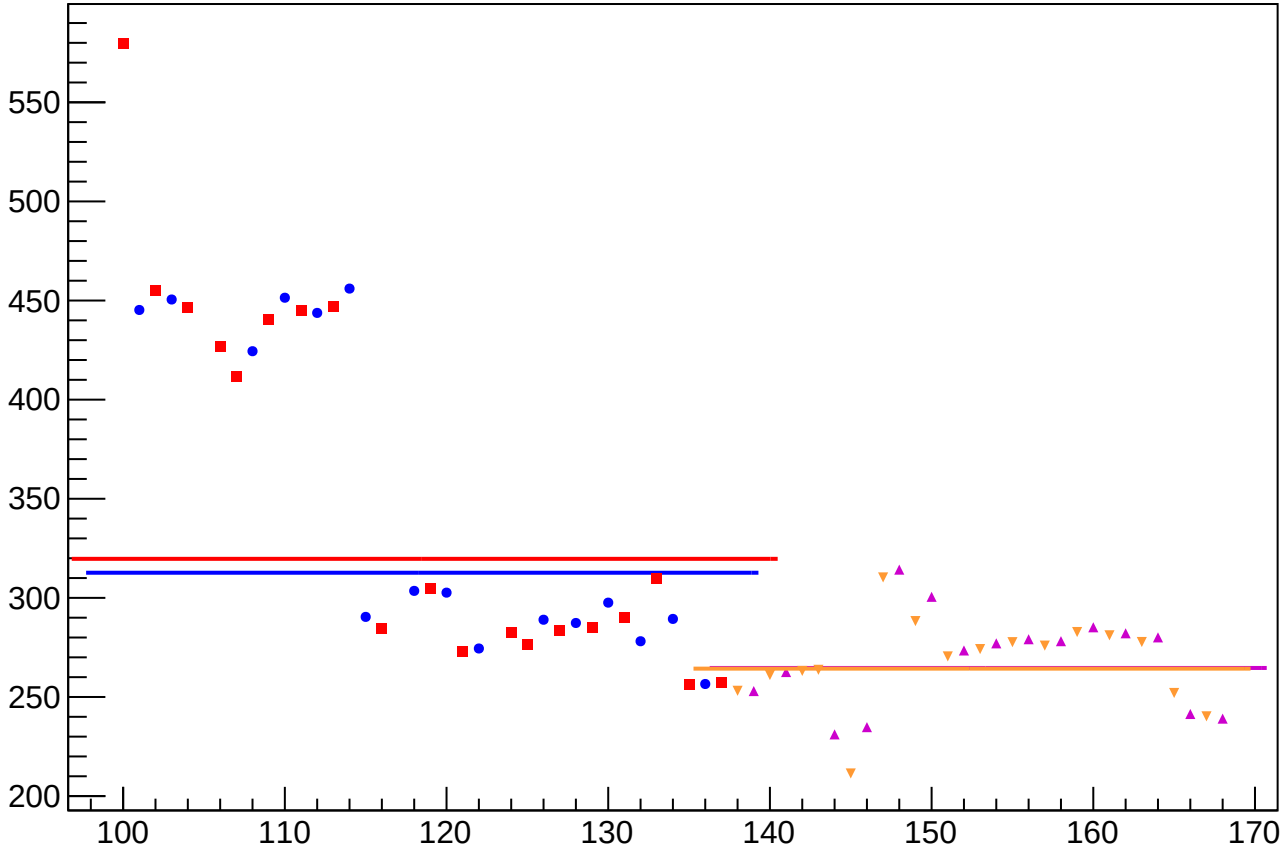
Left In: 215.569+/-75.528 χ^2/NDF:14.6/14

+ sign -73.163+/-63.242 χ^2/NDF: 62.2/31

All: 13.485+/-44.967 χ^2/NDF: 103.5/65

- sign 102.087+/-63.951 χ^2/NDF: 37.5/33

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 264.304+/-0.053 χ^2/NDF:198666.6/15

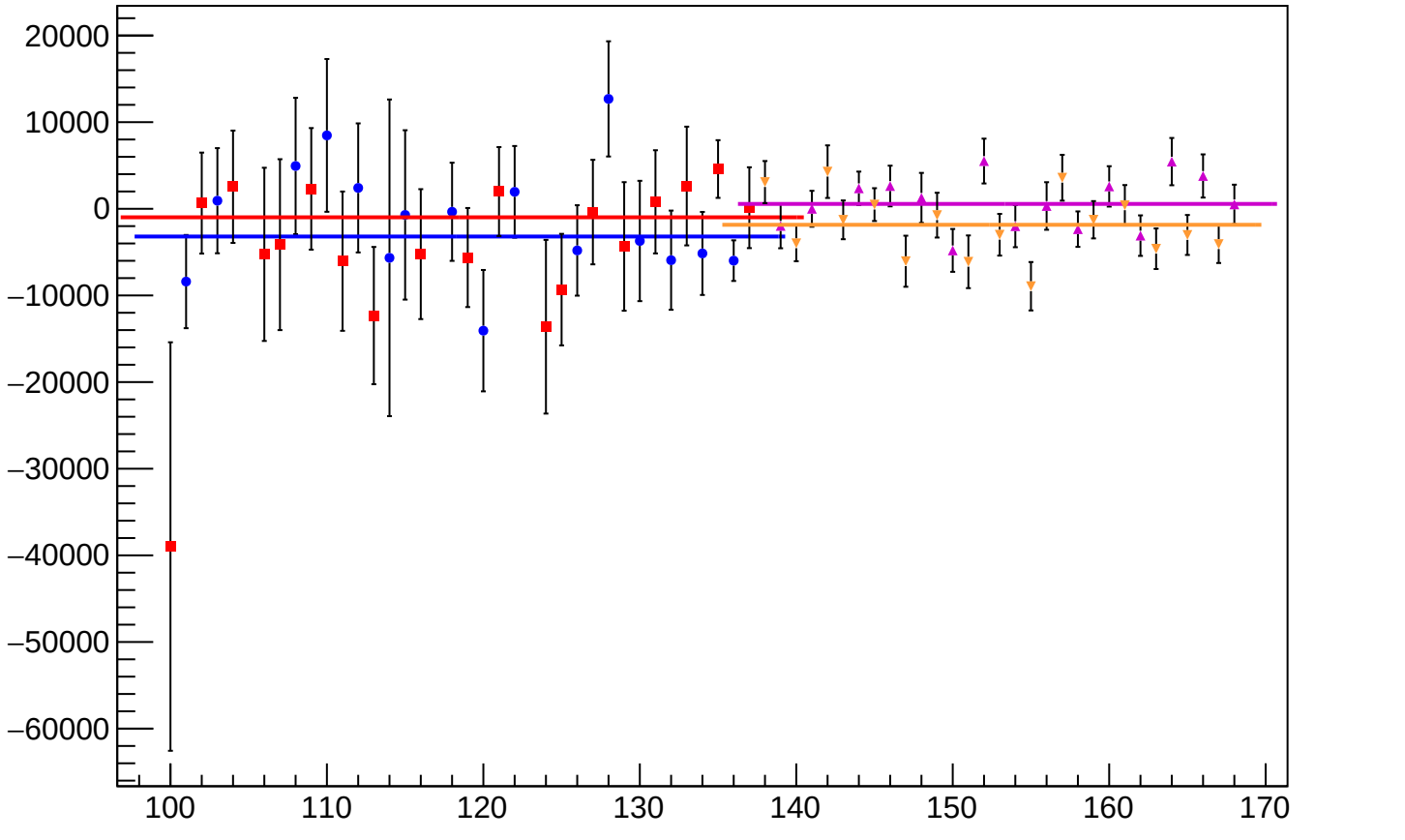
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 264.640+/-0.053 χ^2/NDF:199966.4/14

+ sign 277.997+/-0.045 χ^2/NDF: 1038375.3/31

All: 279.098+/-0.032 χ^2/NDF: 2234067.2/65

- sign 280.224+/-0.045 χ^2/NDF: 1194466.1/33



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1846.227+/-598.959 χ^2/NDF:29.6/15

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

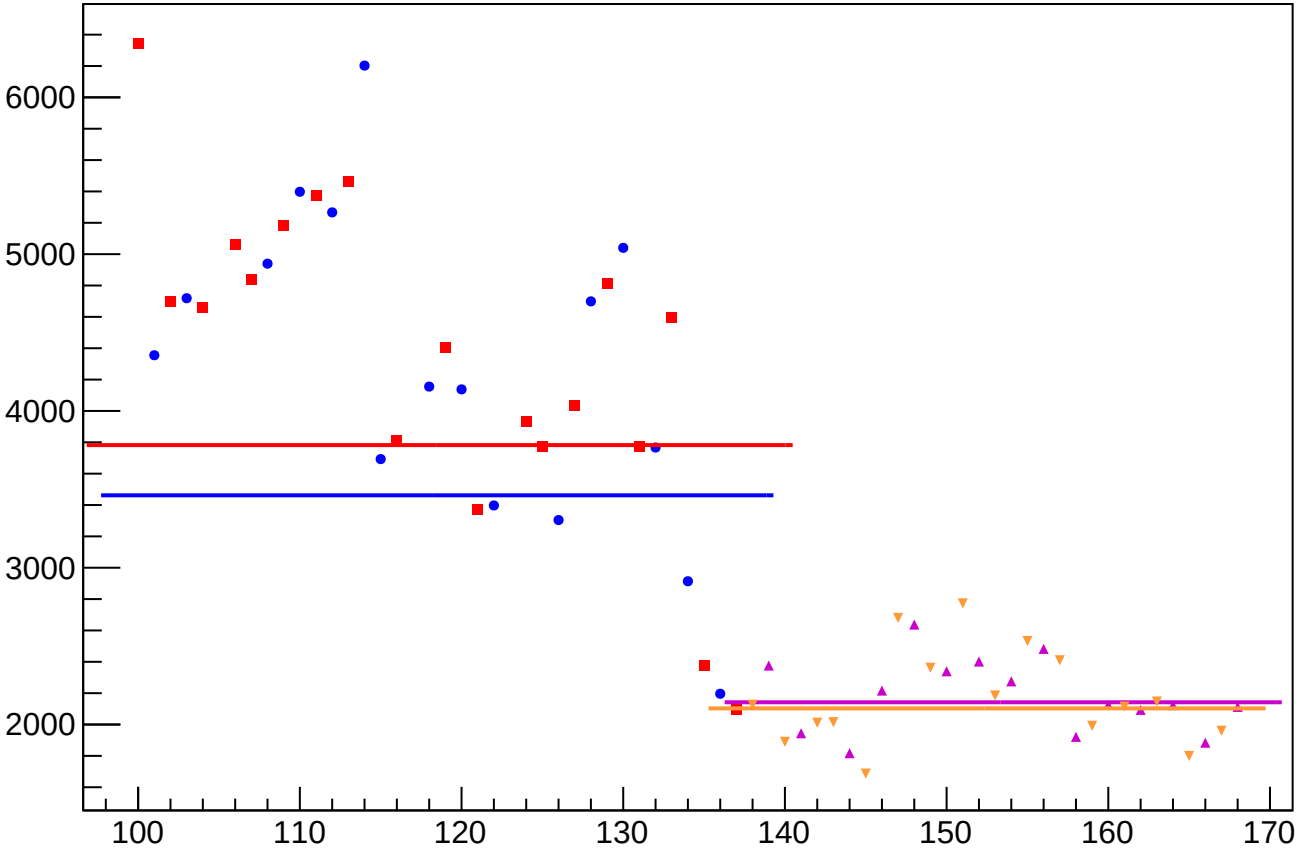
Left In: 563.612+/-612.962 χ^2/NDF:22.3/14

+ sign -2067.618+/-547.746 χ^2/NDF: 46.6/31

All: -905.409+/-393.039 χ^2/NDF: 93.1/65

- sign 328.141+/-564.307 χ^2/NDF: 37.3/33

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2103.006+/-0.424 χ^2/NDF:442401.5/15

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

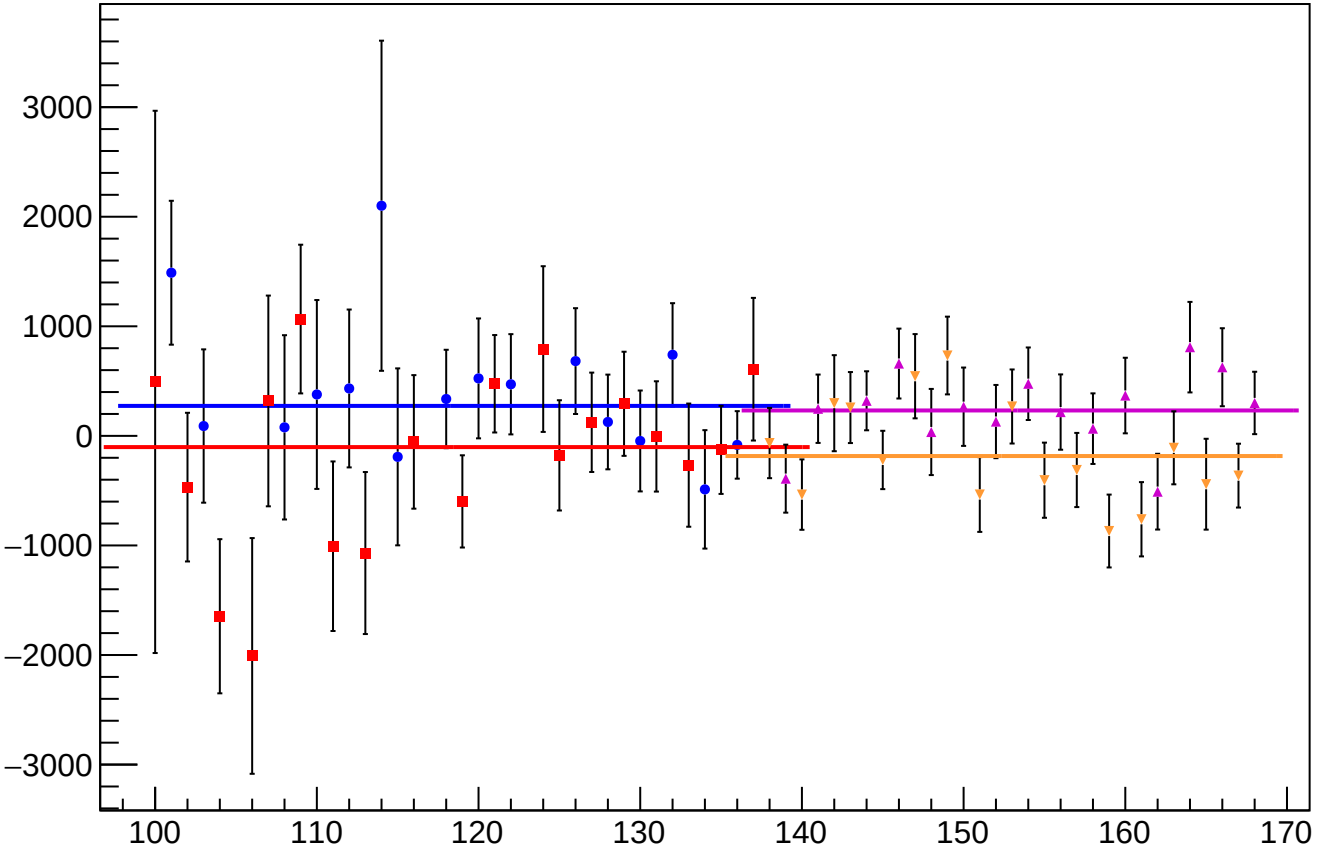
Left In: 2141.916+/-0.433 χ^2/NDF:268065.1/14

+ sign 2325.457+/-0.387 χ^2/NDF: 3437253.0/31

All: 2357.727+/-0.278 χ^2/NDF: 7039327.2/65

- sign 2391.978+/-0.399 χ^2/NDF: 3587764.5/33

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -184.065+/-83.939 χ^2/NDF:26.1/15

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

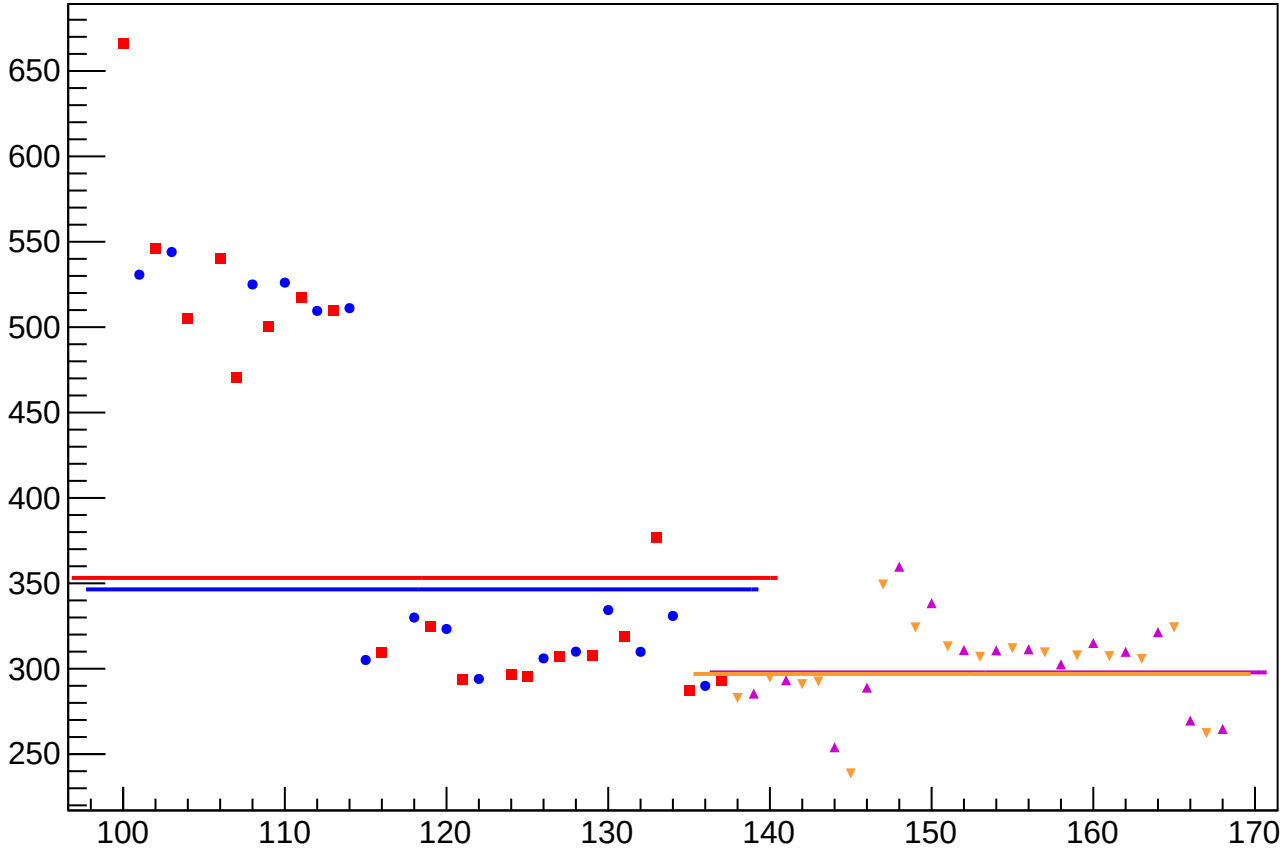
Left In: 231.937+/-85.239 χ^2/NDF:15.1/14

+ sign -53.053+/-70.914 χ^2/NDF: 46.0/31

All: 39.840+/-50.475 χ^2/NDF: 90.3/65

- sign 135.228+/-71.860 χ^2/NDF: 40.8/33

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 296.936+/-0.059 χ^2/NDF:204730.4/15

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

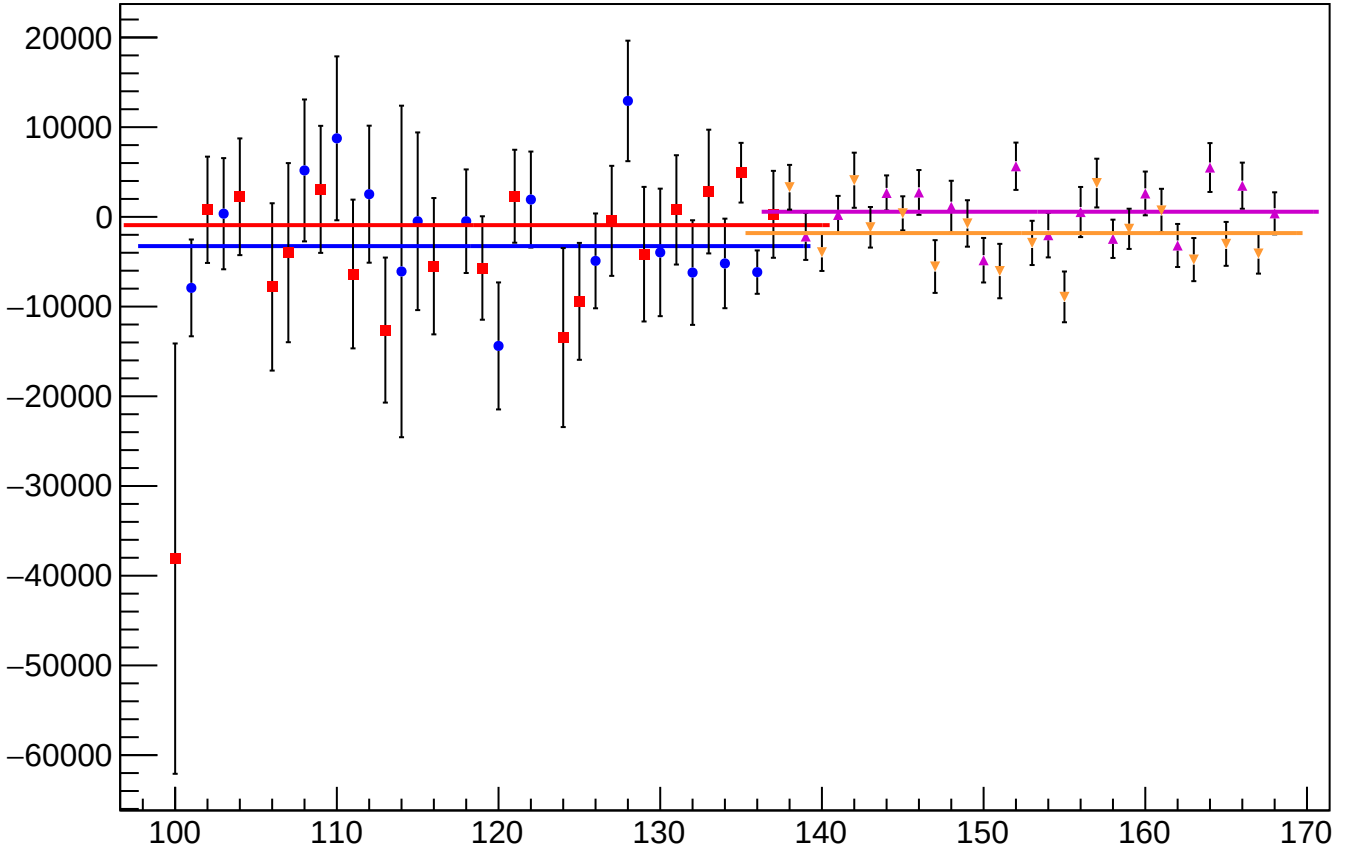
Left In: 297.846+/-0.060 χ^2/NDF:196633.7/14

+ sign 311.112+/-0.050 χ^2/NDF: 1172755.6/31

All: 312.464+/-0.036 χ^2/NDF: 2481018.6/65

- sign 313.853+/-0.051 χ^2/NDF: 1306789.3/33

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1806.783+/-610.893 χ^2/NDF:28.7/15

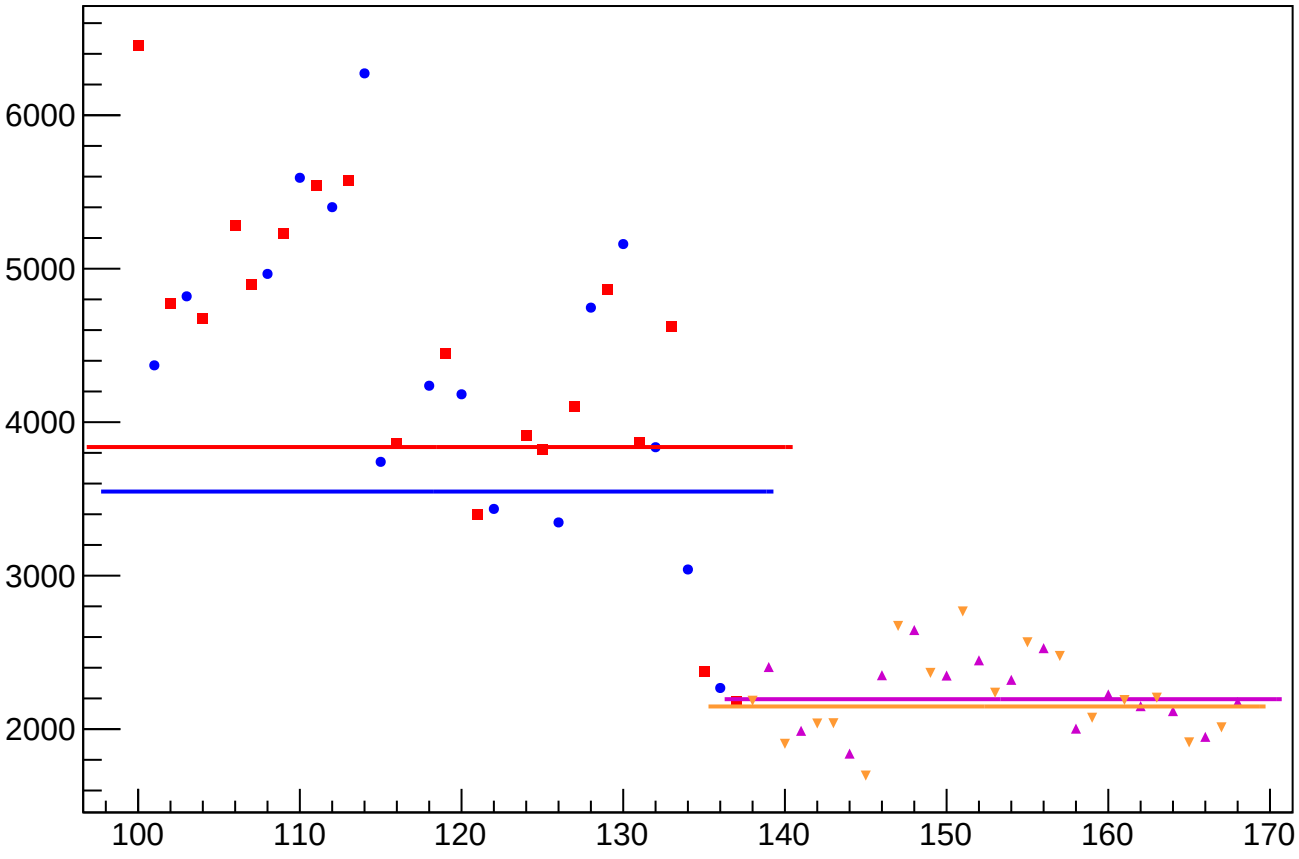
Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 571.798+/-627.902 χ^2/NDF:22.3/14

+ sign -2043.517+/-558.880 χ^2/NDF: 45.7/31

All: -889.999+/-401.396 χ^2/NDF: 92.3/65

- sign 338.952+/-576.865 χ^2/NDF: 37.8/33



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2147.610+/-0.432 χ^2/NDF:414078.5/15

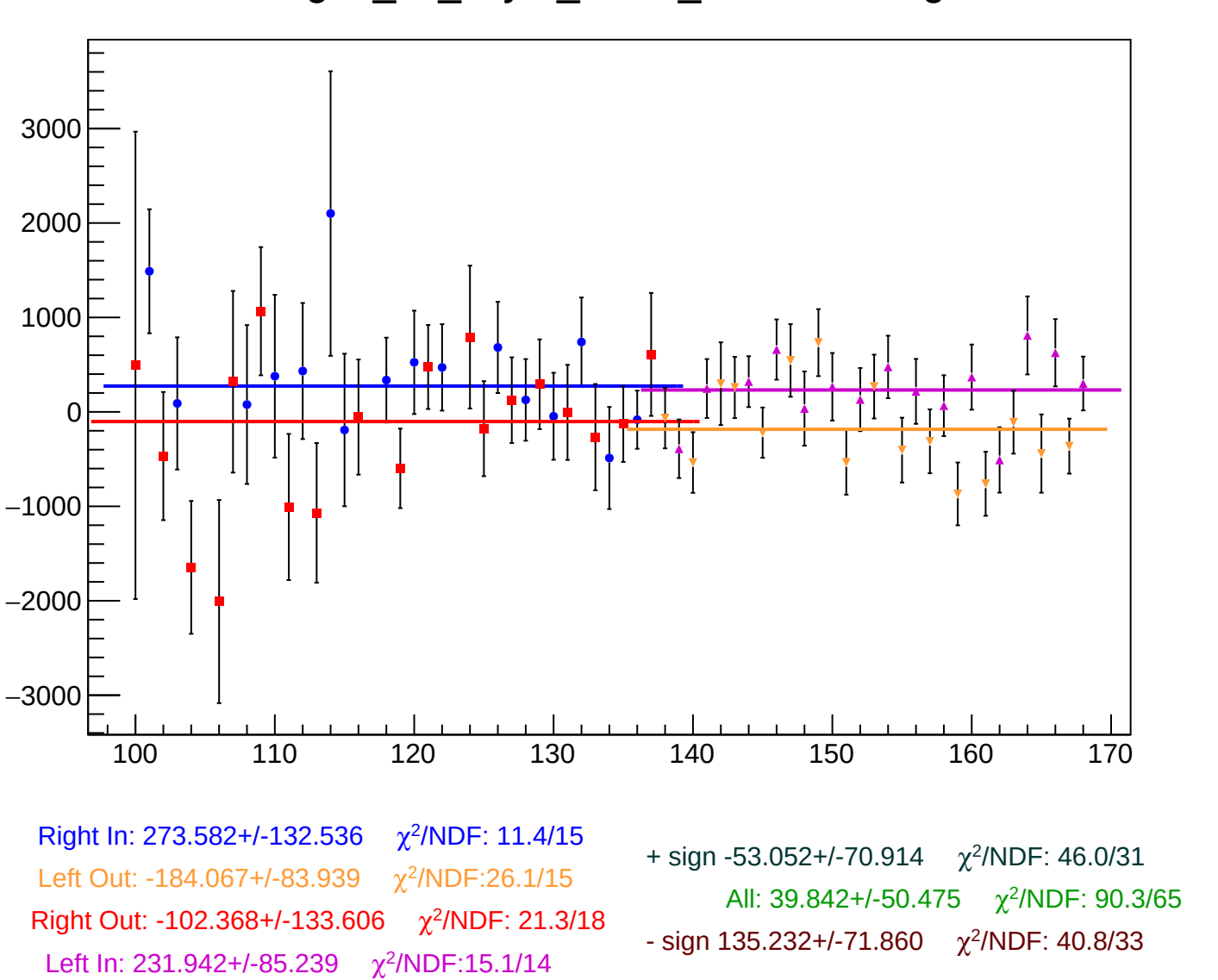
Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2195.106+/-0.444 χ^2/NDF:250737.2/14

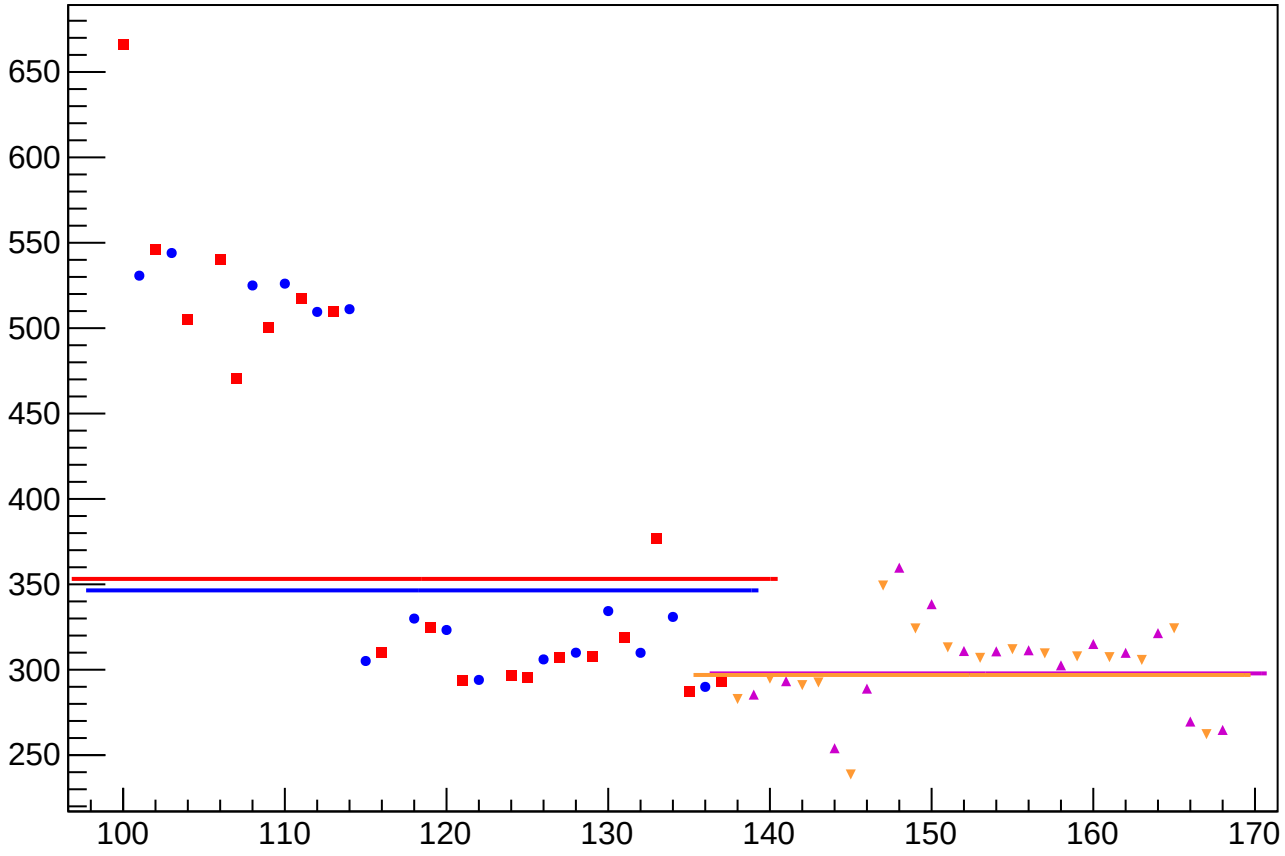
+ sign 2375.916+/-0.395 χ^2/NDF: 3385959.6/31

All: 2412.427+/-0.284 χ^2/NDF: 6945455.3/65

- sign 2451.325+/-0.408 χ^2/NDF: 3541866.2/33


eigen_dit_asym_sam2_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: 273.582+/-132.536 χ²/NDF: 11.4/15
Left Out: -184.067+/-83.939 χ²/NDF:26.1/15
Right Out: -102.368+/-133.606 χ²/NDF: 21.3/18
Left In: 231.942+/-85.239 χ²/NDF:15.1/14
+ sign -53.052+/-70.914 χ²/NDF: 46.0/31
All: 39.842+/-50.475 χ²/NDF: 90.3/65
- sign 135.232+/-71.860 χ²/NDF: 40.8/33

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 296.936+/-0.059 χ^2/NDF:204735.6/15

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

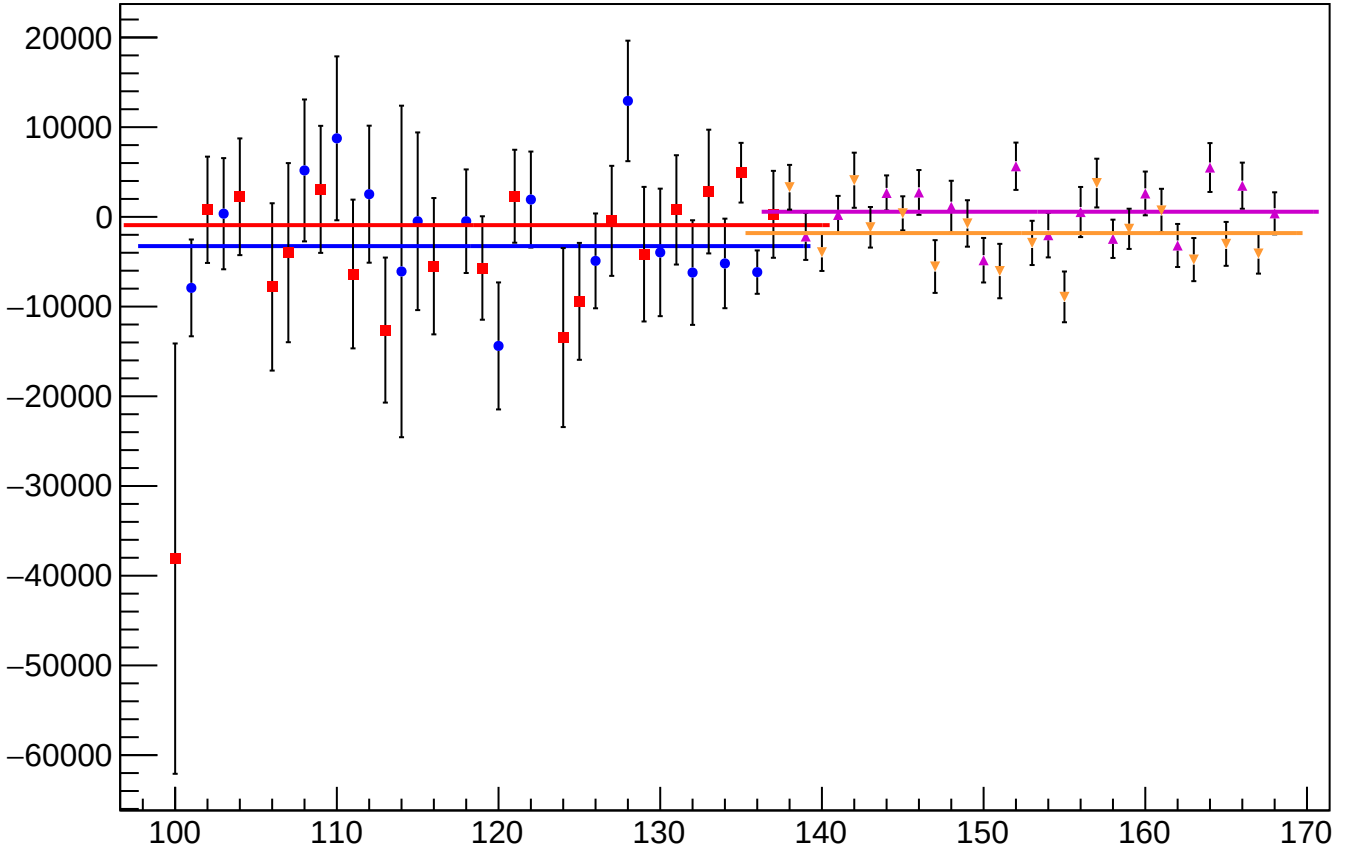
Left In: 297.846+/-0.060 χ^2/NDF:196636.8/14

+ sign 311.112+/-0.050 χ^2/NDF: 1172737.3/31

All: 312.464+/-0.036 χ^2/NDF: 2480983.5/65

- sign 313.852+/-0.051 χ^2/NDF: 1306772.4/33

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1806.781+/-610.893 χ^2/NDF:28.7/15

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

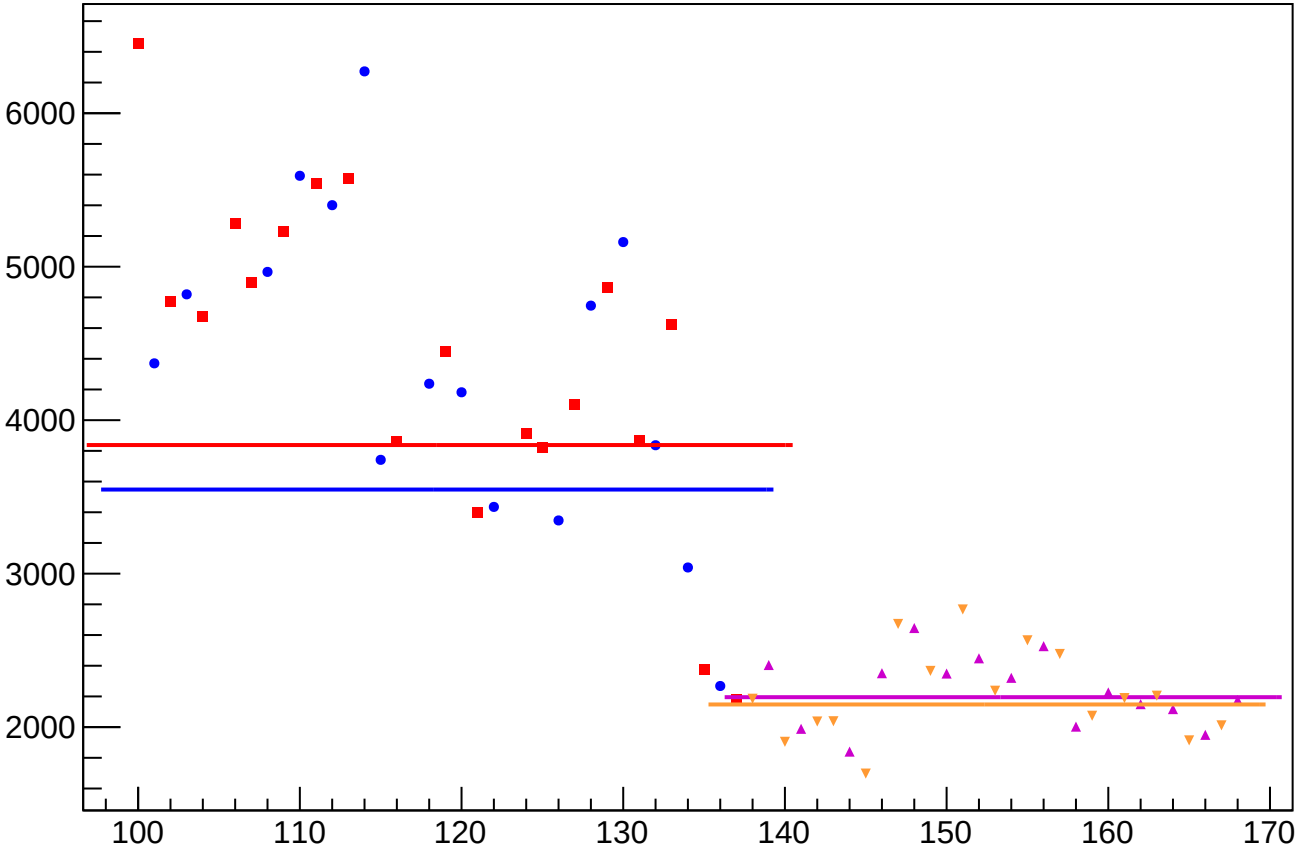
Left In: 571.798+/-627.902 χ^2/NDF:22.3/14

+ sign -2043.515+/-558.880 χ^2/NDF: 45.7/31

All: -889.998+/-401.395 χ^2/NDF: 92.3/65

- sign 338.951+/-576.864 χ^2/NDF: 37.8/33

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2147.609+/-0.432 χ^2/NDF:414084.9/15

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

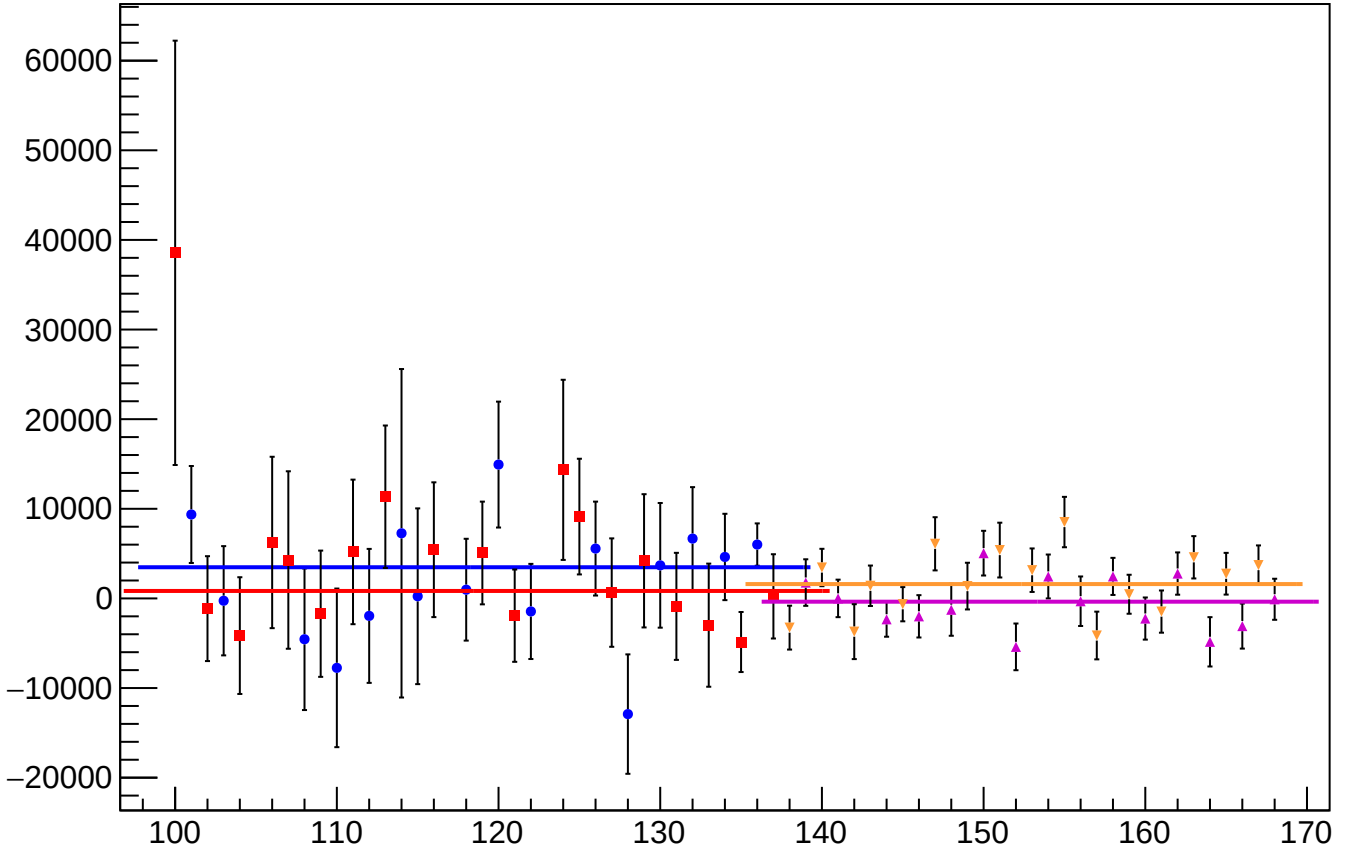
Left In: 2195.106+/-0.444 χ^2/NDF:250738.7/14

+ sign 2375.915+/-0.395 χ^2/NDF: 3385949.9/31

All: 2412.426+/-0.284 χ^2/NDF: 6945431.5/65

- sign 2451.325+/-0.408 χ^2/NDF: 3541851.9/33

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1600.586+/-603.826 χ^2/NDF:28.8/15

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

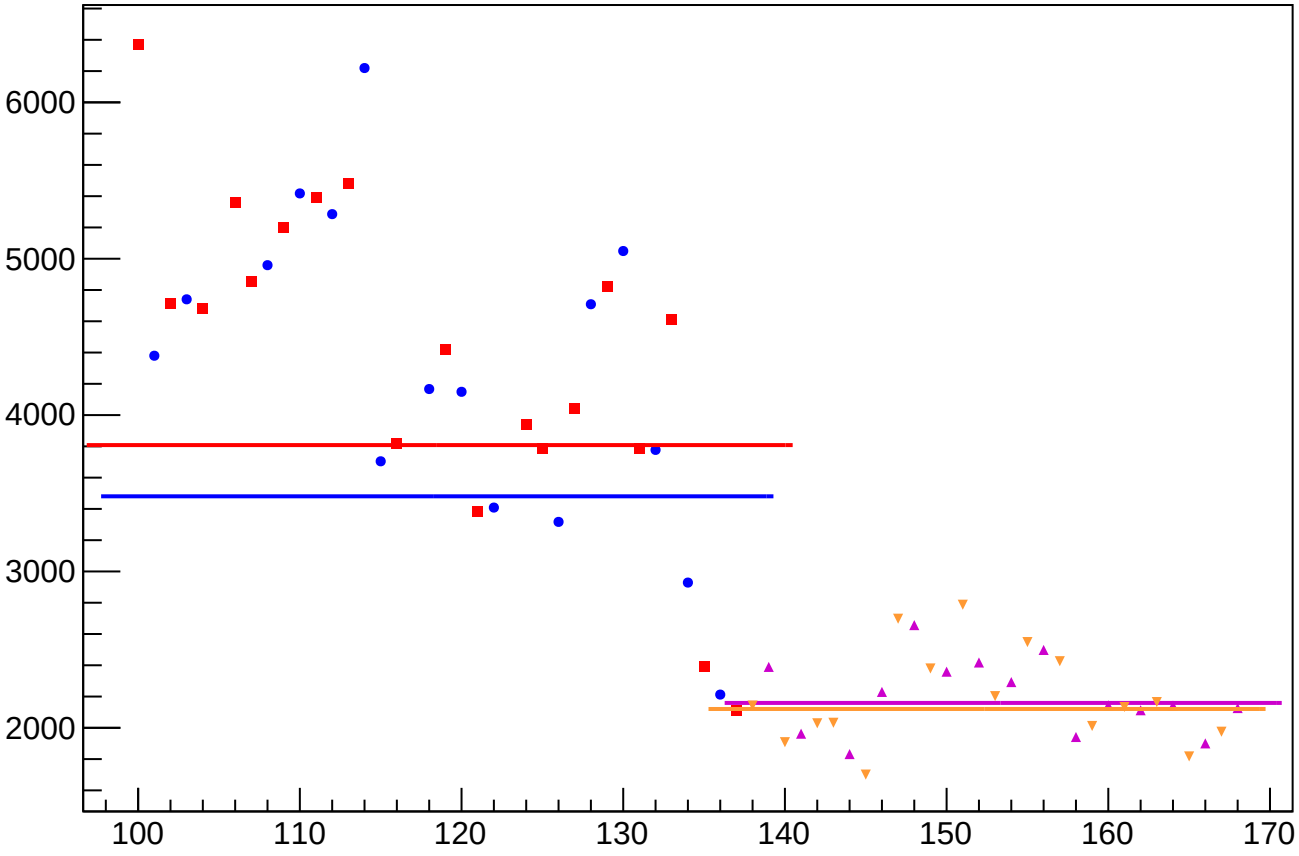
Left In: -365.410+/-617.832 χ^2/NDF:20.2/14

+ sign 1909.659+/-551.900 χ^2/NDF: 46.7/31

All: 894.926+/-395.945 χ^2/NDF: 88.5/65

- sign -181.255+/-568.365 χ^2/NDF: 34.8/33

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2120.514+/-0.427 χ^2/NDF:436449.3/15

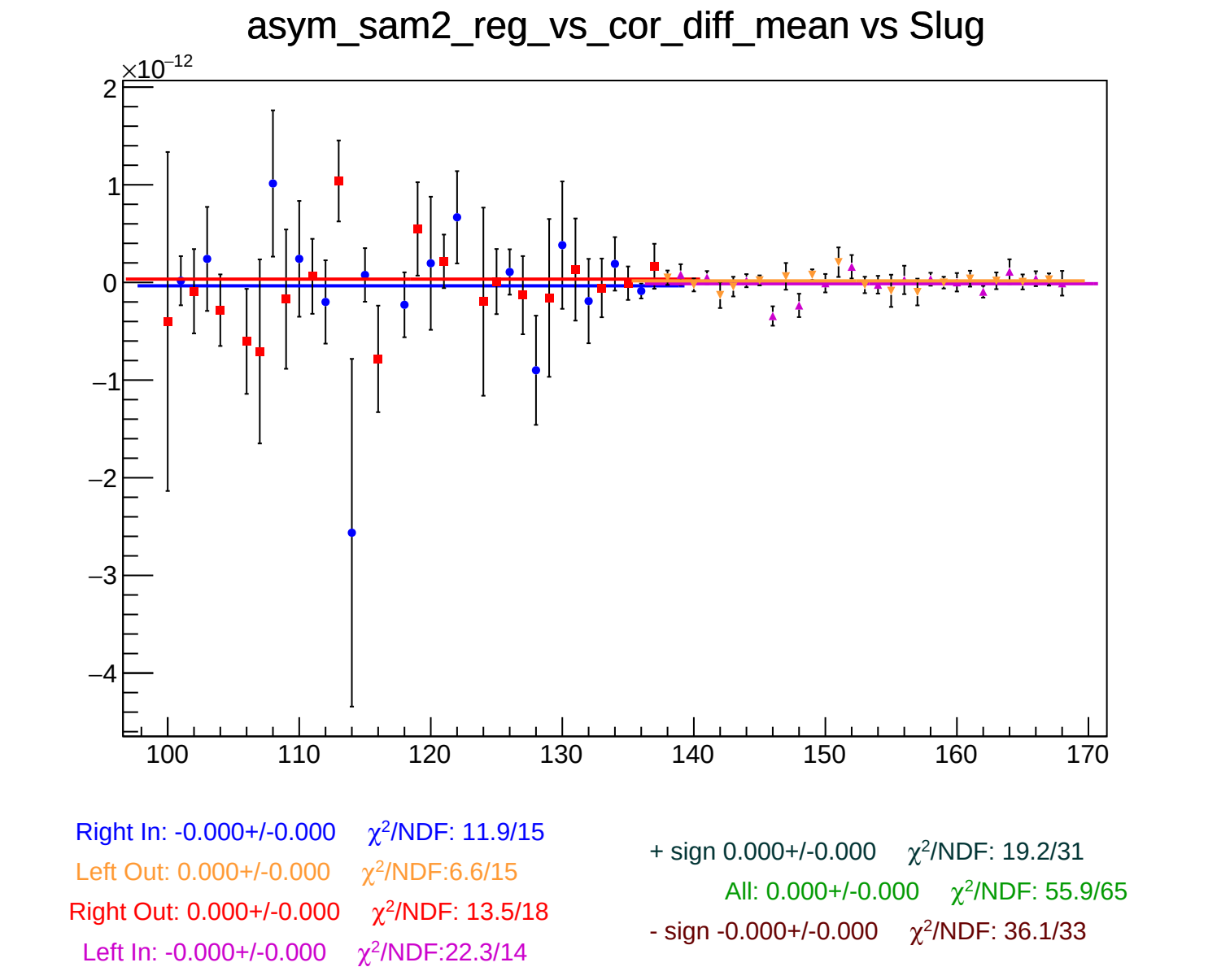
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2159.232+/-0.437 χ^2/NDF:263759.4/14

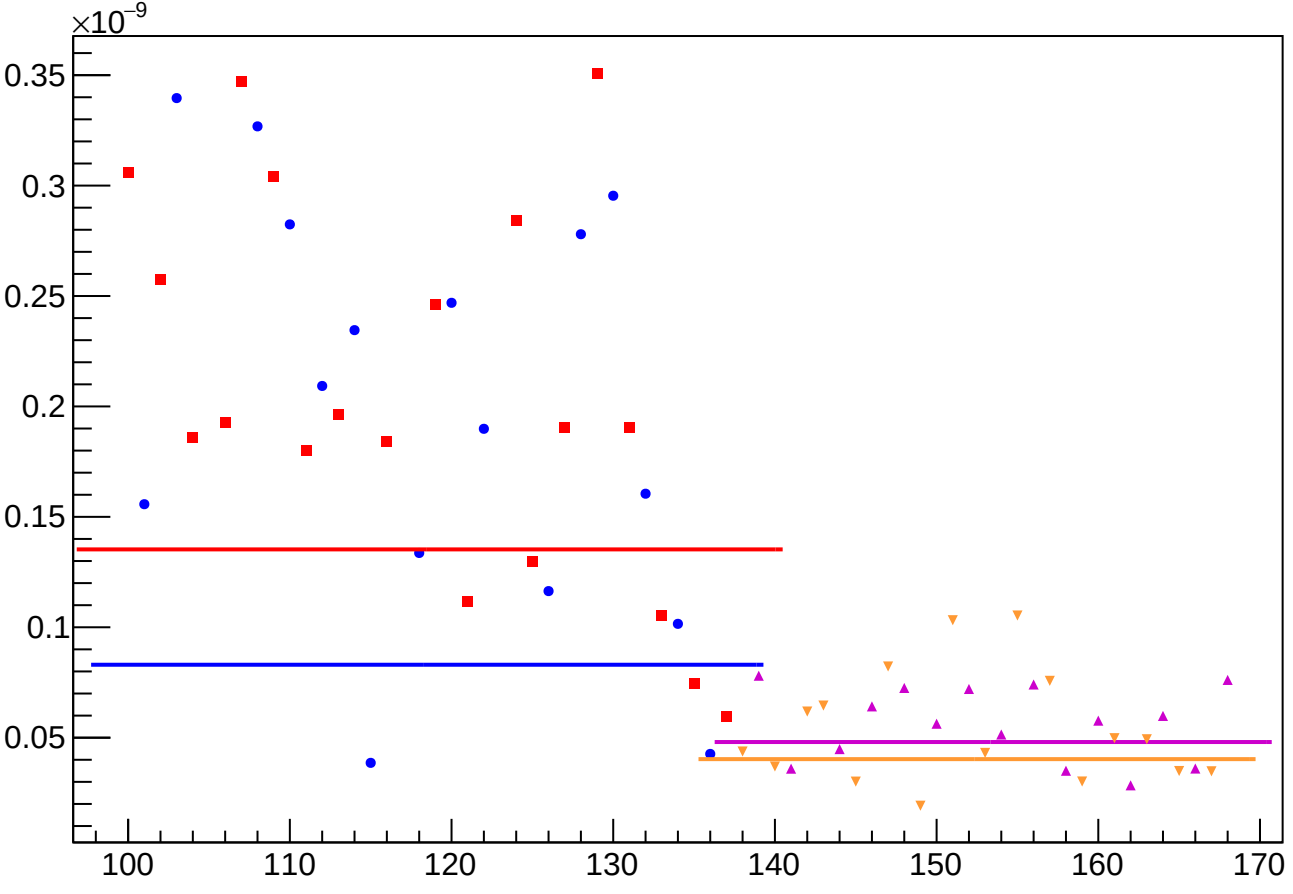
\+ sign 2344.370+/-0.390 χ^2/NDF: 3403138.9/31

All: 2377.532+/-0.280 χ^2/NDF: 7019208.4/65

\- sign 2412.703+/-0.402 χ^2/NDF: 3601190.2/33


asym_sam2_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 13.5/18
Left In: -0.000+/-0.000 χ²/NDF:22.3/14
+ sign 0.000+/-0.000 χ²/NDF: 19.2/31
All: 0.000+/-0.000 χ²/NDF: 55.9/65
- sign -0.000+/-0.000 χ²/NDF: 36.1/33

asym_sam2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1656948.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

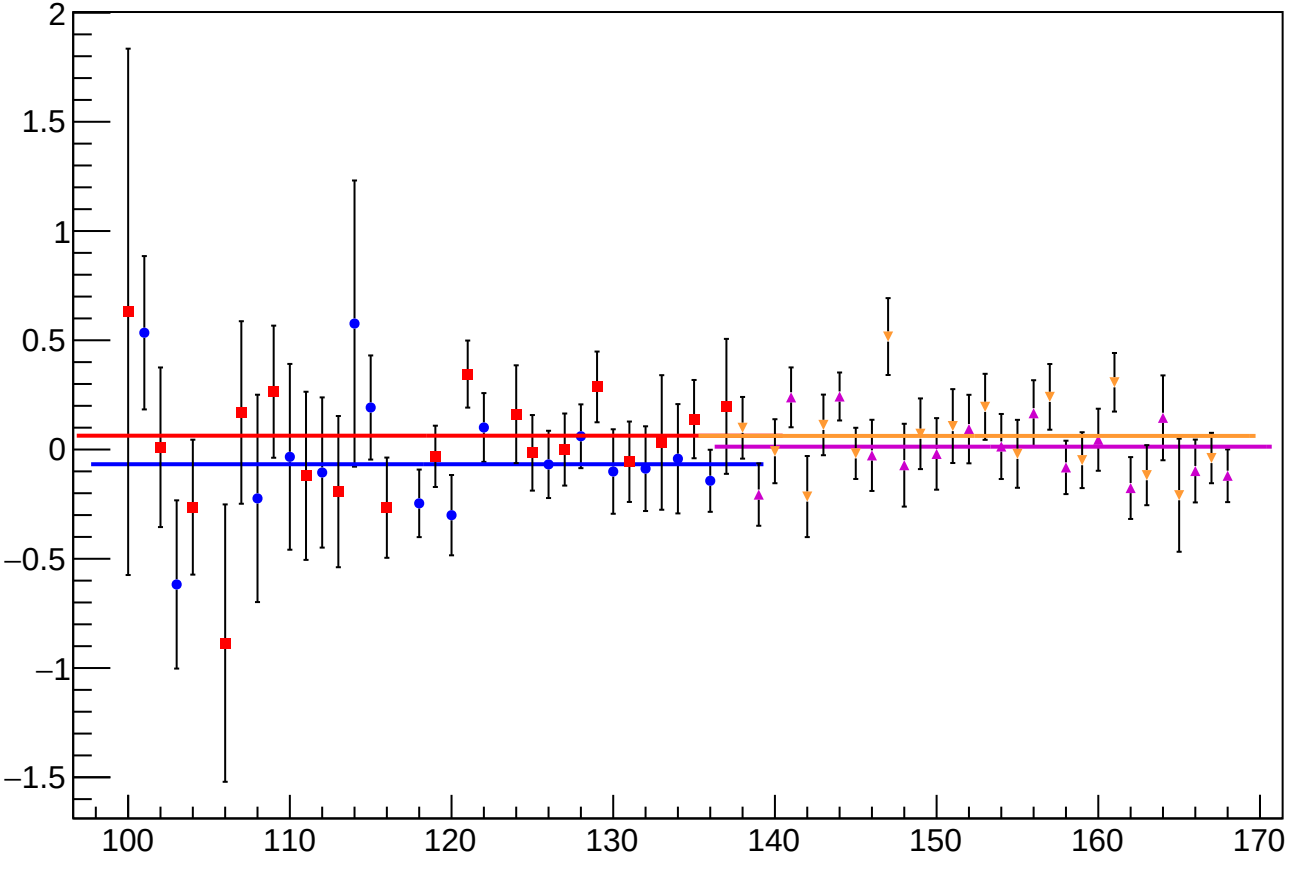
Left In: 0.000+/-0.000 χ^2/NDF:999929.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 5259468.2/31

All: 0.000+/-0.000 χ^2/NDF: 9851479.1/65

- sign 0.000+/-0.000 χ^2/NDF: 4376003.0/33

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.062+/-0.037 χ^2/NDF:20.0/15

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

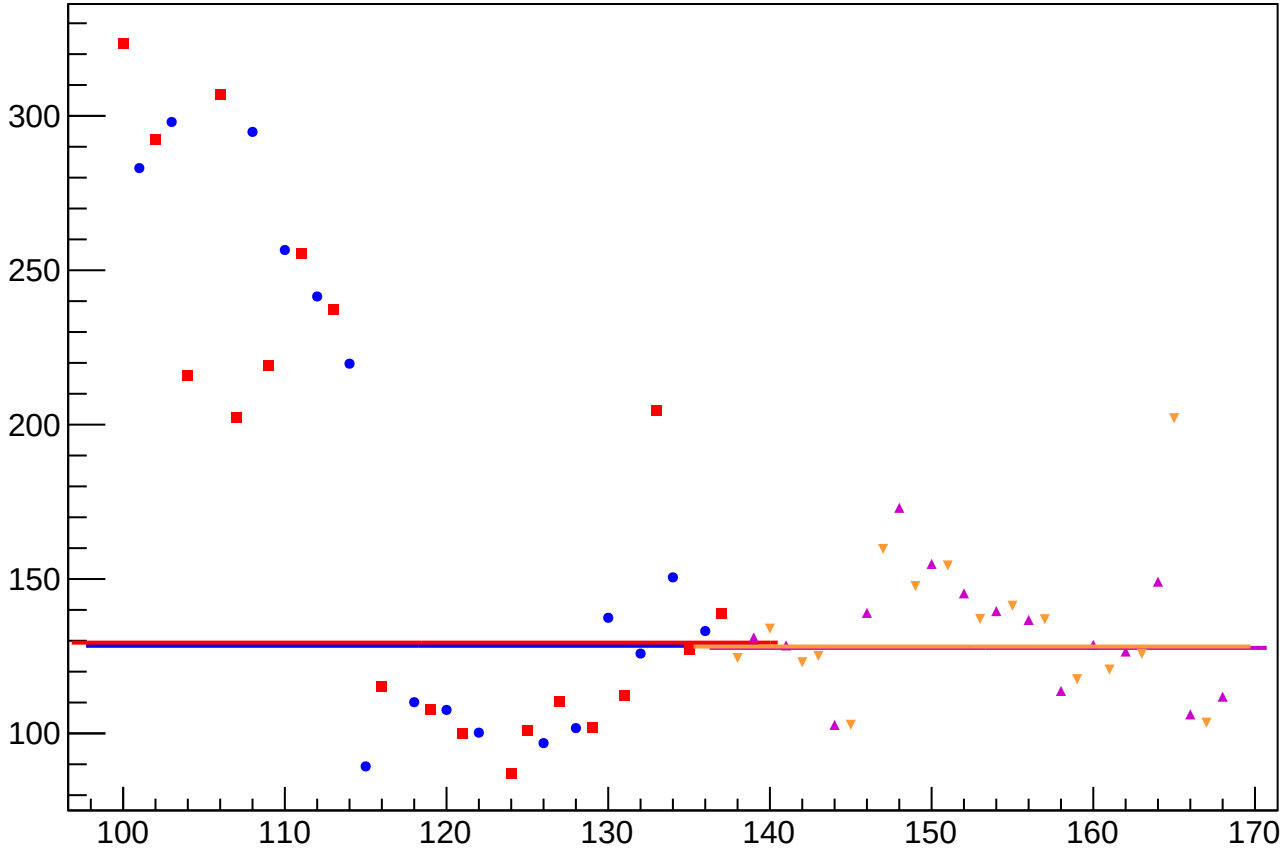
Left In: 0.013+/-0.037 χ^2/NDF:15.8/14

+ sign 0.019+/-0.030 χ^2/NDF: 36.7/31

All: 0.025+/-0.021 χ^2/NDF: 67.2/65

- sign 0.030+/-0.030 χ^2/NDF: 30.4/33

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 128.142+/-0.026 χ^2/NDF:546267.5/15

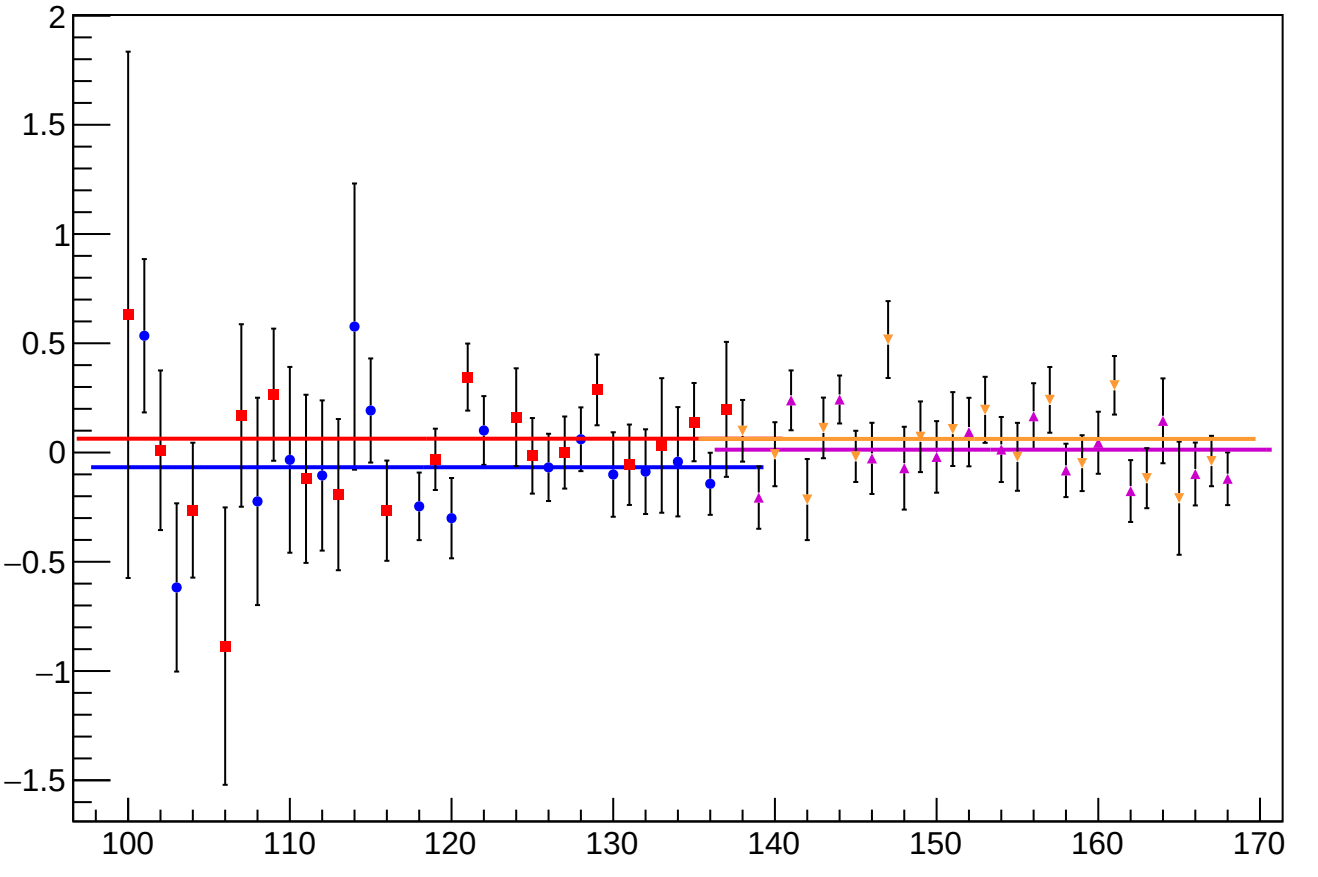
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 127.693+/-0.026 χ^2/NDF:459173.2/14

+ sign 128.221+/-0.021 χ^2/NDF: 2351374.2/31

All: 128.247+/-0.015 χ^2/NDF: 4700262.7/65

- sign 128.274+/-0.021 χ^2/NDF: 2348885.4/33



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.062+/-0.037 χ^2/NDF:20.0/15

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

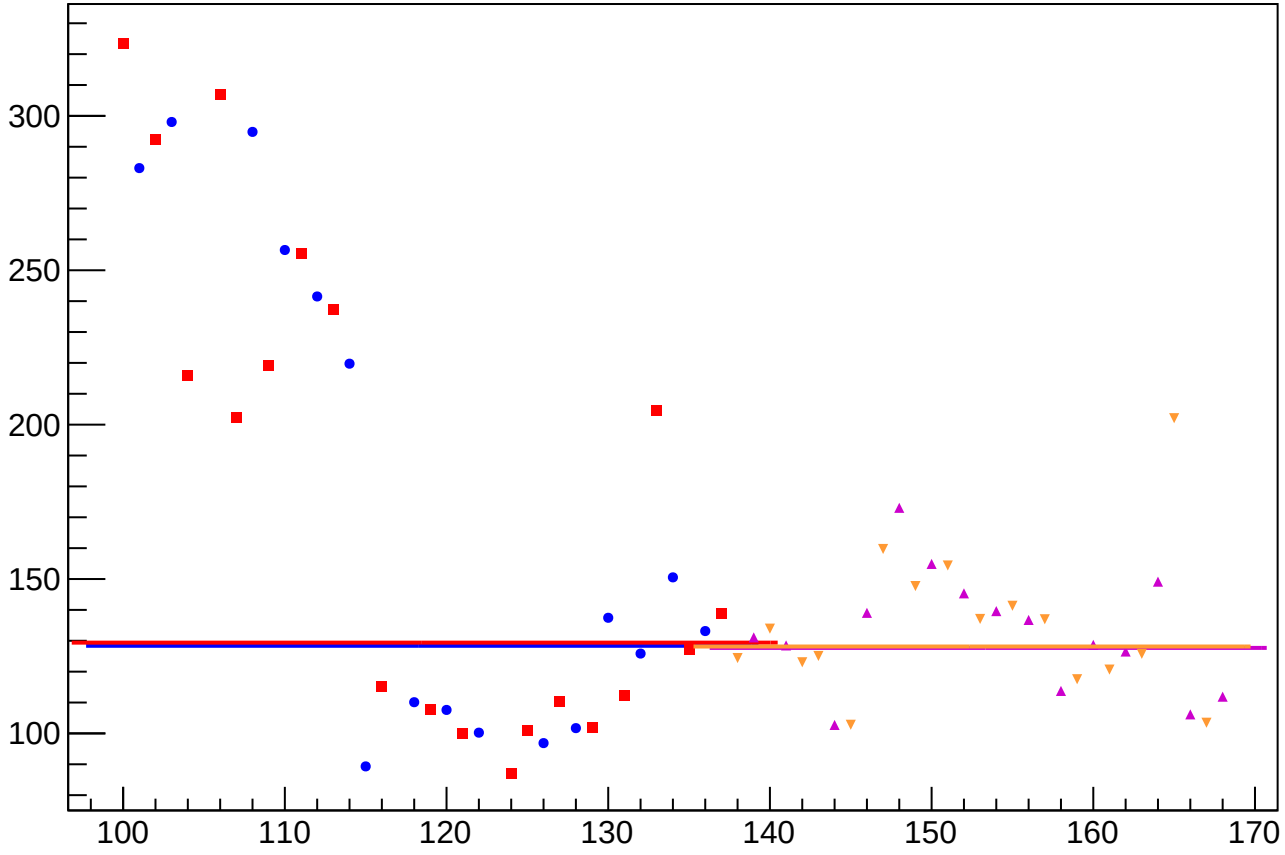
Left In: 0.013+/-0.037 χ^2/NDF:15.8/14

+ sign 0.019+/-0.030 χ^2/NDF: 36.7/31

All: 0.025+/-0.021 χ^2/NDF: 67.2/65

- sign 0.030+/-0.030 χ^2/NDF: 30.4/33

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 128.142+/-0.026 χ^2/NDF:546267.5/15

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

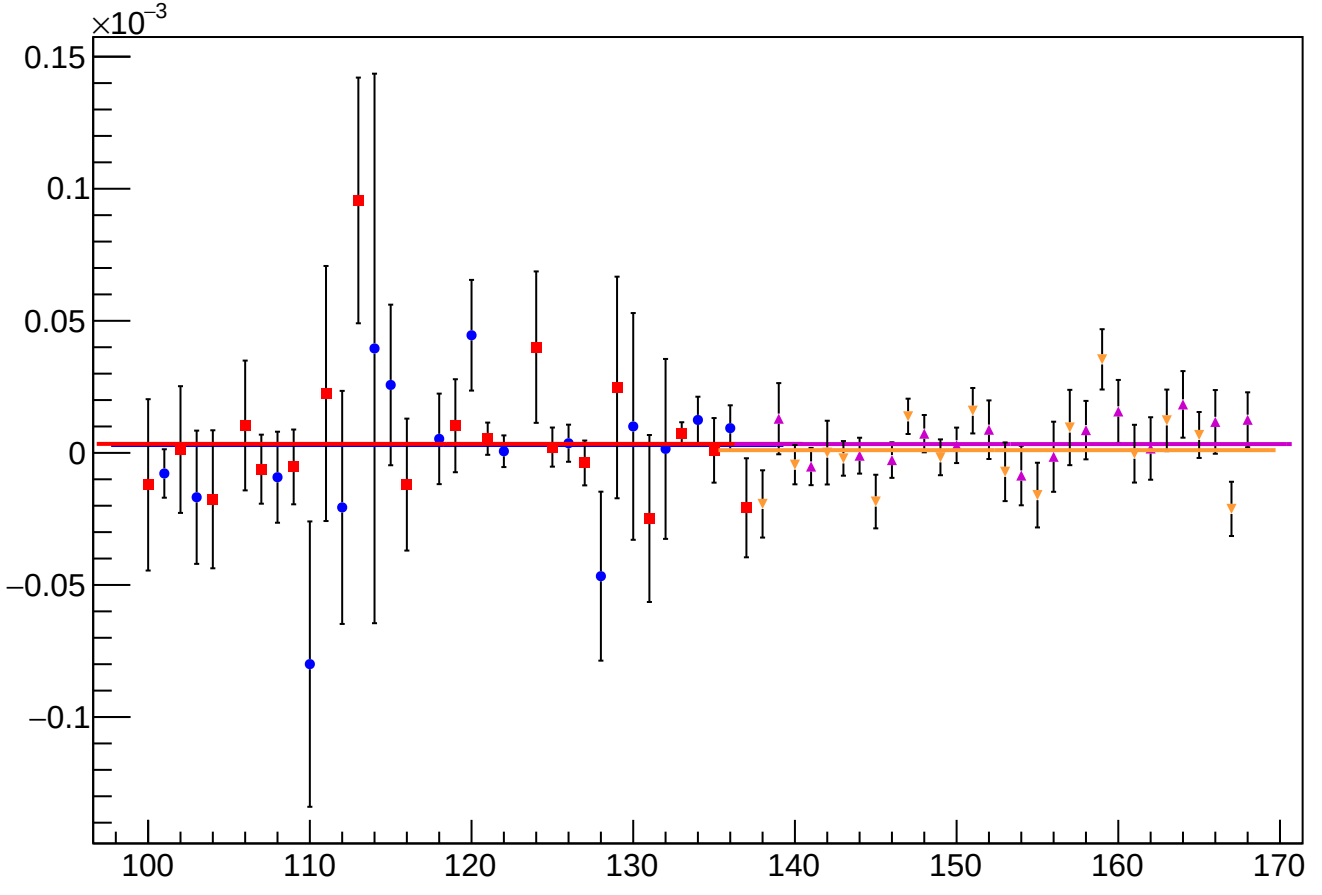
Left In: 127.693+/-0.026 χ^2/NDF:459173.2/14

+ sign 128.221+/-0.021 χ^2/NDF: 2351374.2/31

All: 128.247+/-0.015 χ^2/NDF: 4700262.7/65

- sign 128.274+/-0.021 χ^2/NDF: 2348885.4/33

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.8/15

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

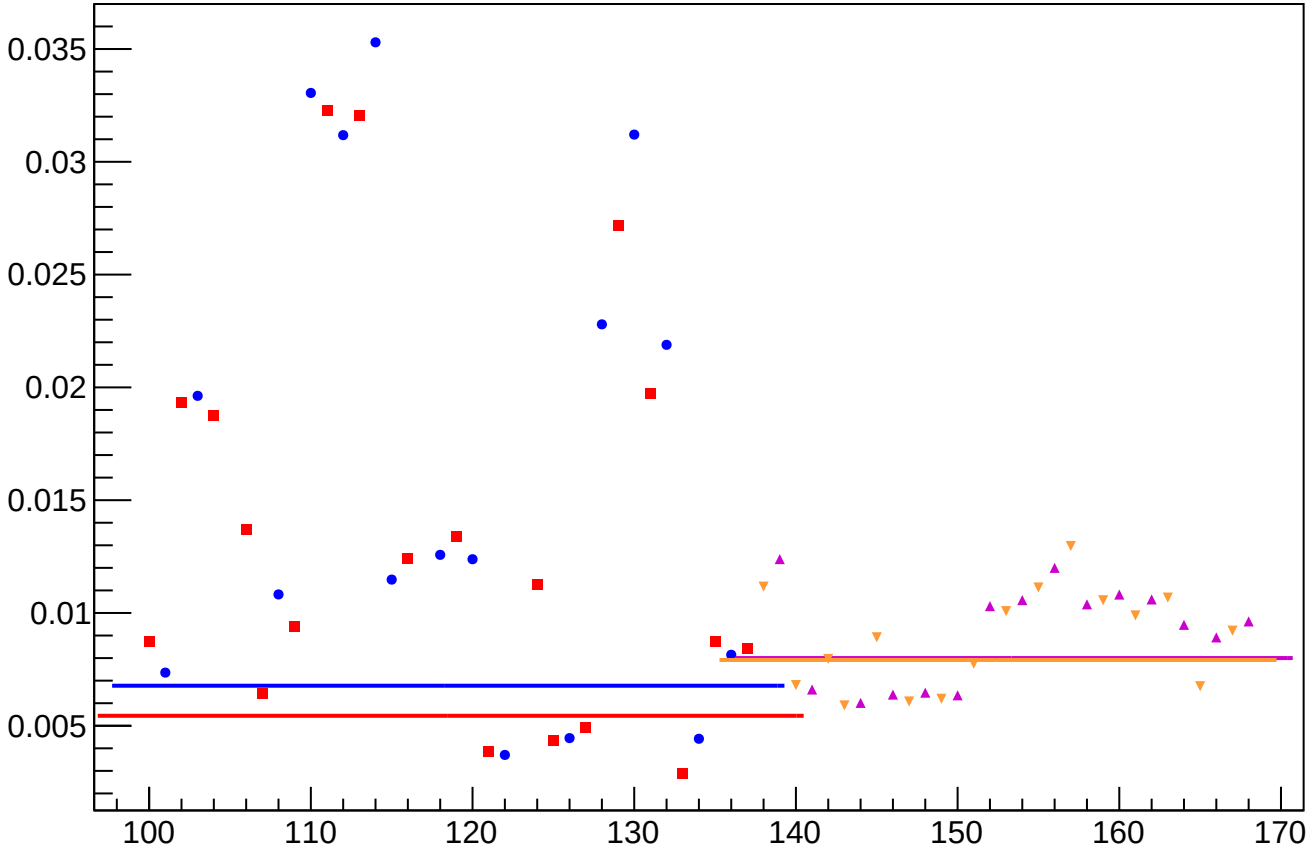
Left In: 0.000+/-0.000 χ^2/NDF:9.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 46.2/31

All: 0.000+/-0.000 χ^2/NDF: 68.2/65

- sign 0.000+/-0.000 χ^2/NDF: 21.6/33

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:1482829.6/15

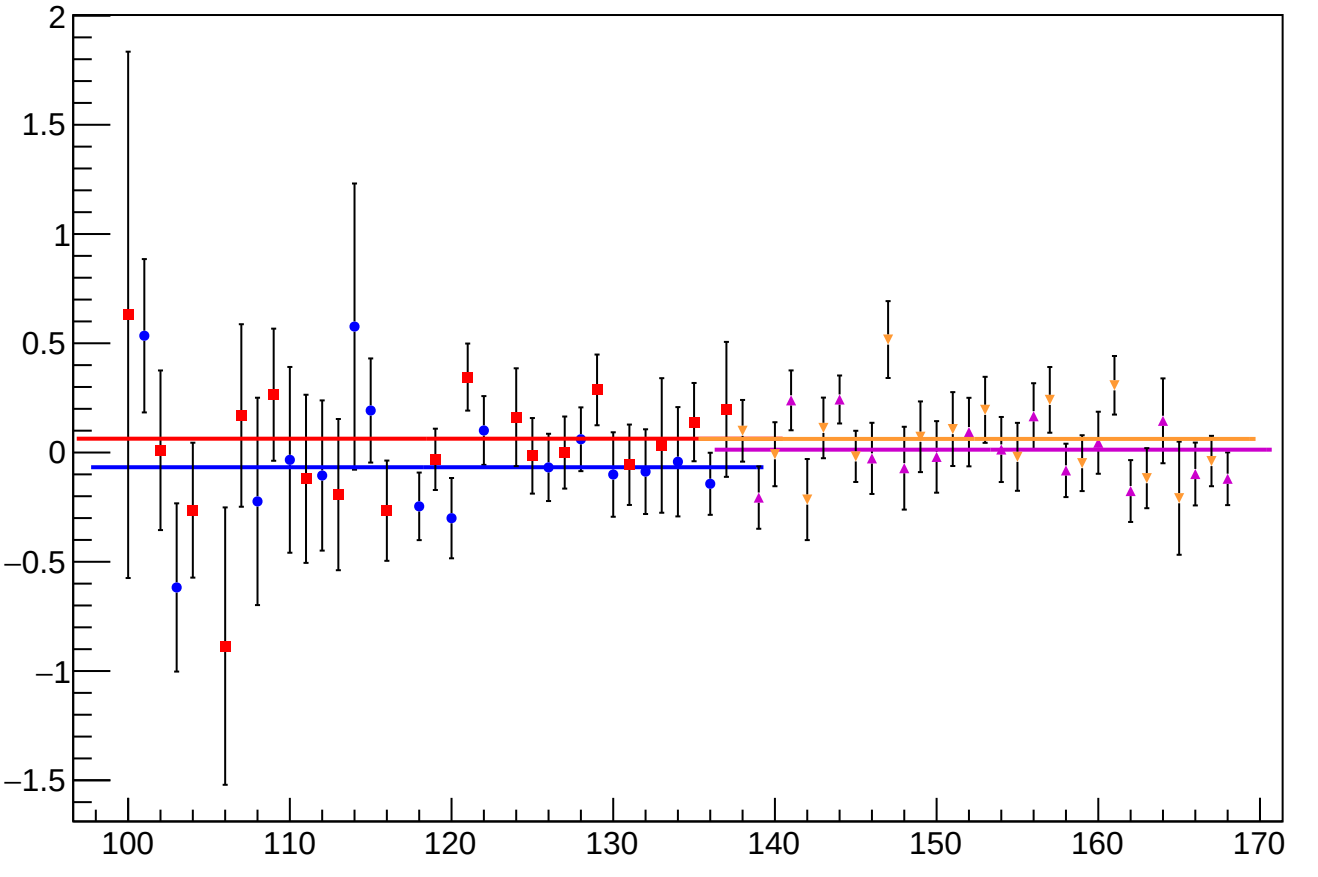
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1552540.7/14

+ sign 0.008+/-0.000 χ^2/NDF: 6426600.8/31

All: 0.007+/-0.000 χ^2/NDF: 14752950.2/65

- sign 0.007+/-0.000 χ^2/NDF: 8185107.1/33



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.062+/-0.037 χ^2/NDF:20.0/15

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

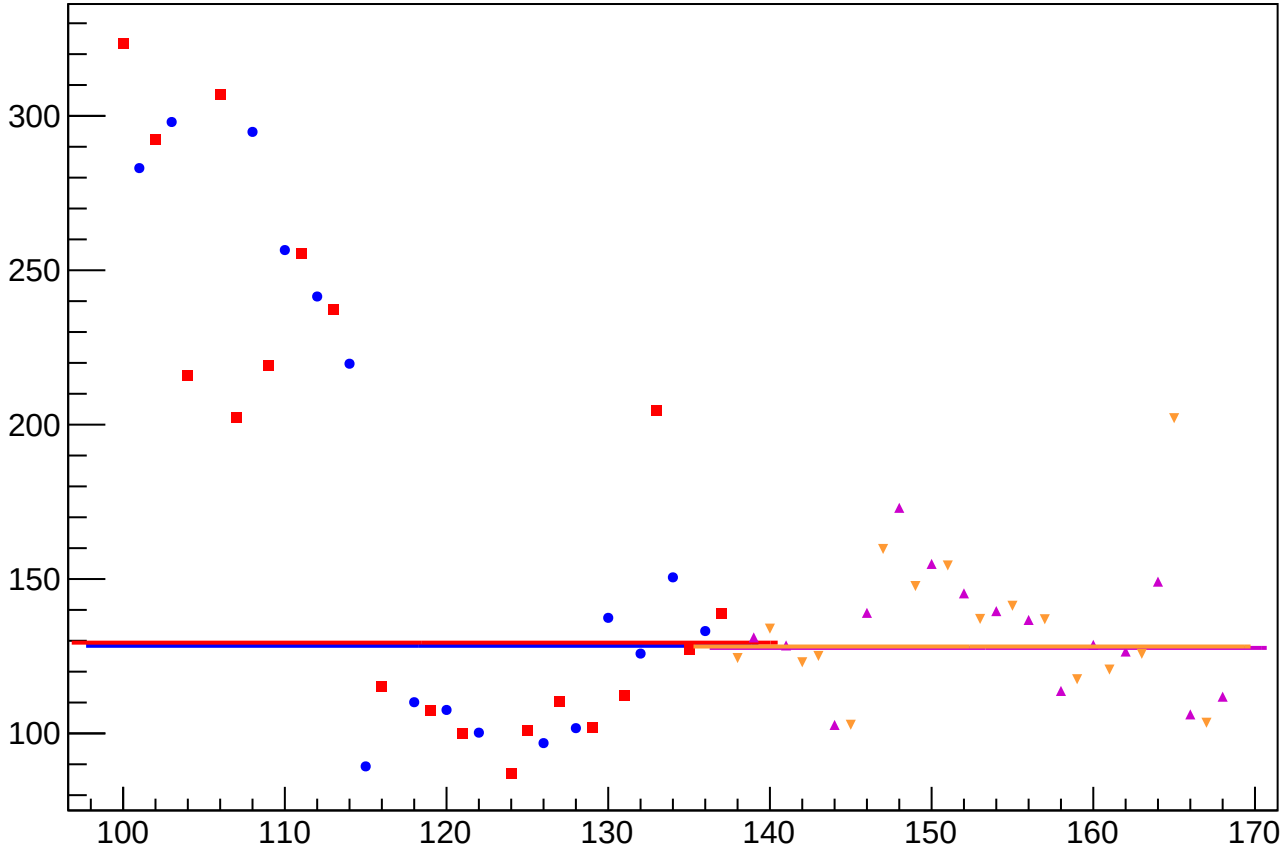
Left In: 0.013+/-0.037 χ^2/NDF:15.8/14

+ sign 0.019+/-0.030 χ^2/NDF: 36.7/31

All: 0.025+/-0.021 χ^2/NDF: 67.2/65

- sign 0.030+/-0.030 χ^2/NDF: 30.4/33

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 128.142+/-0.026 χ^2/NDF:546320.1/15

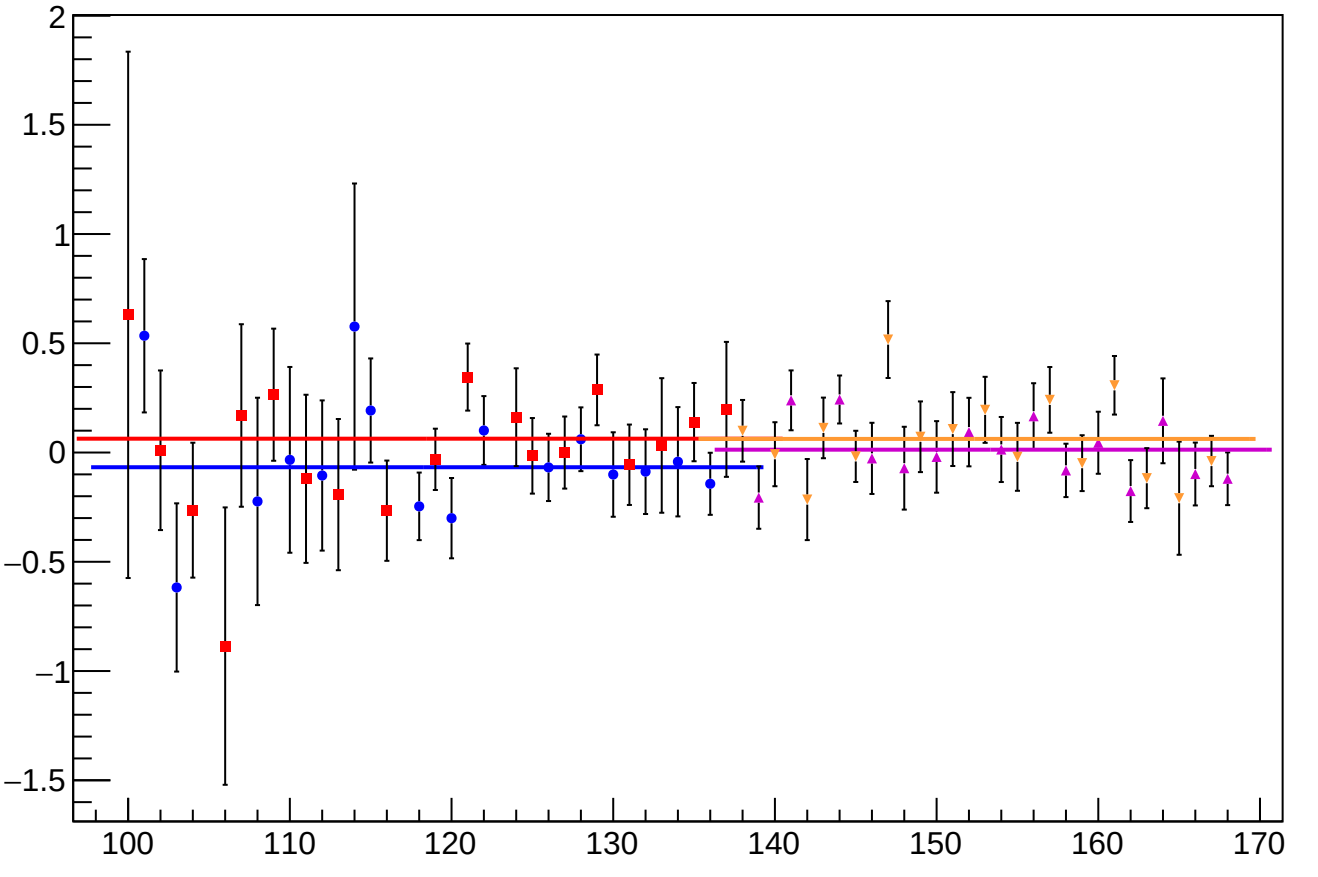
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 127.693+/-0.026 χ^2/NDF:459209.5/14

+ sign 128.220+/-0.021 χ^2/NDF: 2351374.3/31

All: 128.246+/-0.015 χ^2/NDF: 4700295.8/65

- sign 128.272+/-0.021 χ^2/NDF: 2348918.5/33



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.062+/-0.037 χ^2/NDF:20.0/15

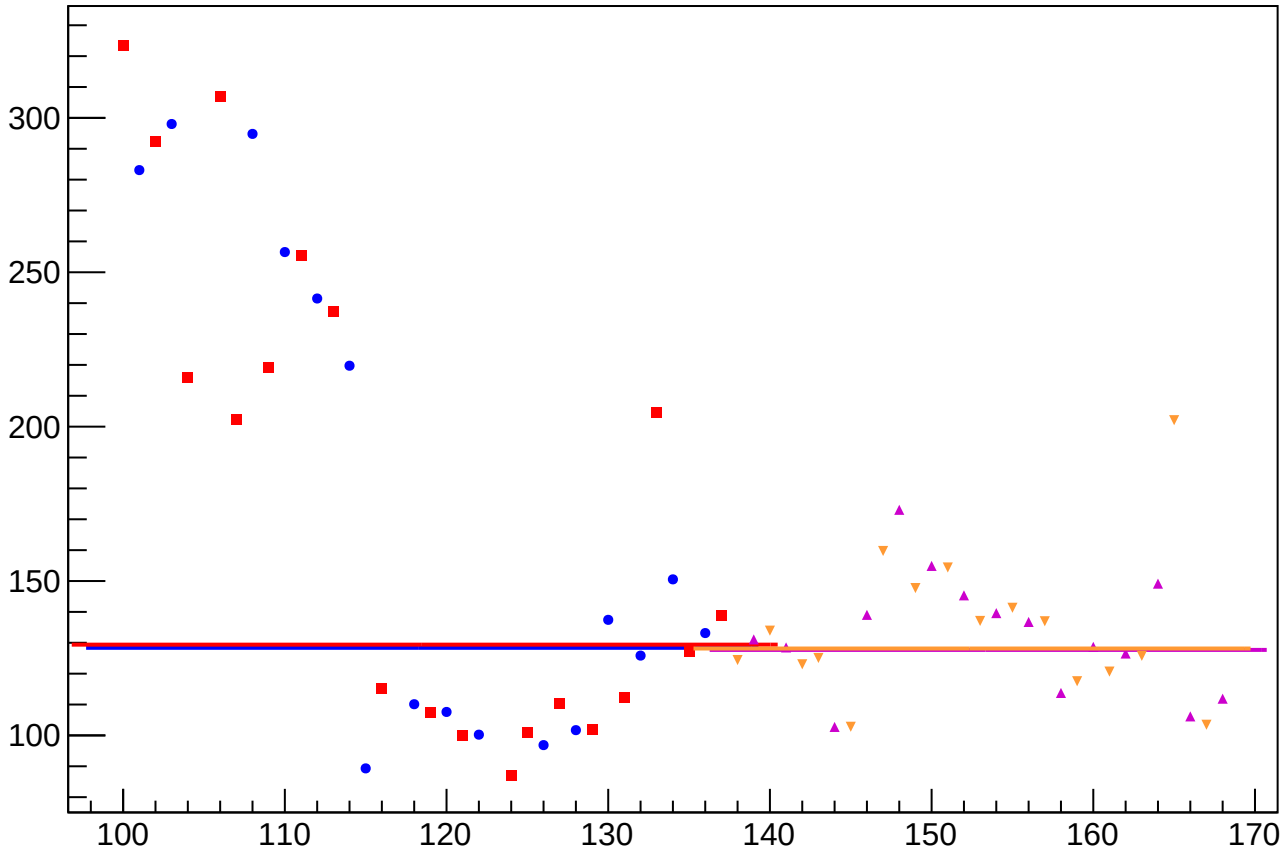
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.013+/-0.037 χ^2/NDF:15.8/14

+ sign 0.019+/-0.030 χ^2/NDF: 36.7/31

All: 0.025+/-0.021 χ^2/NDF: 67.2/65

- sign 0.030+/-0.030 χ^2/NDF: 30.4/33



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 128.142+/-0.026 χ^2/NDF:546320.1/15

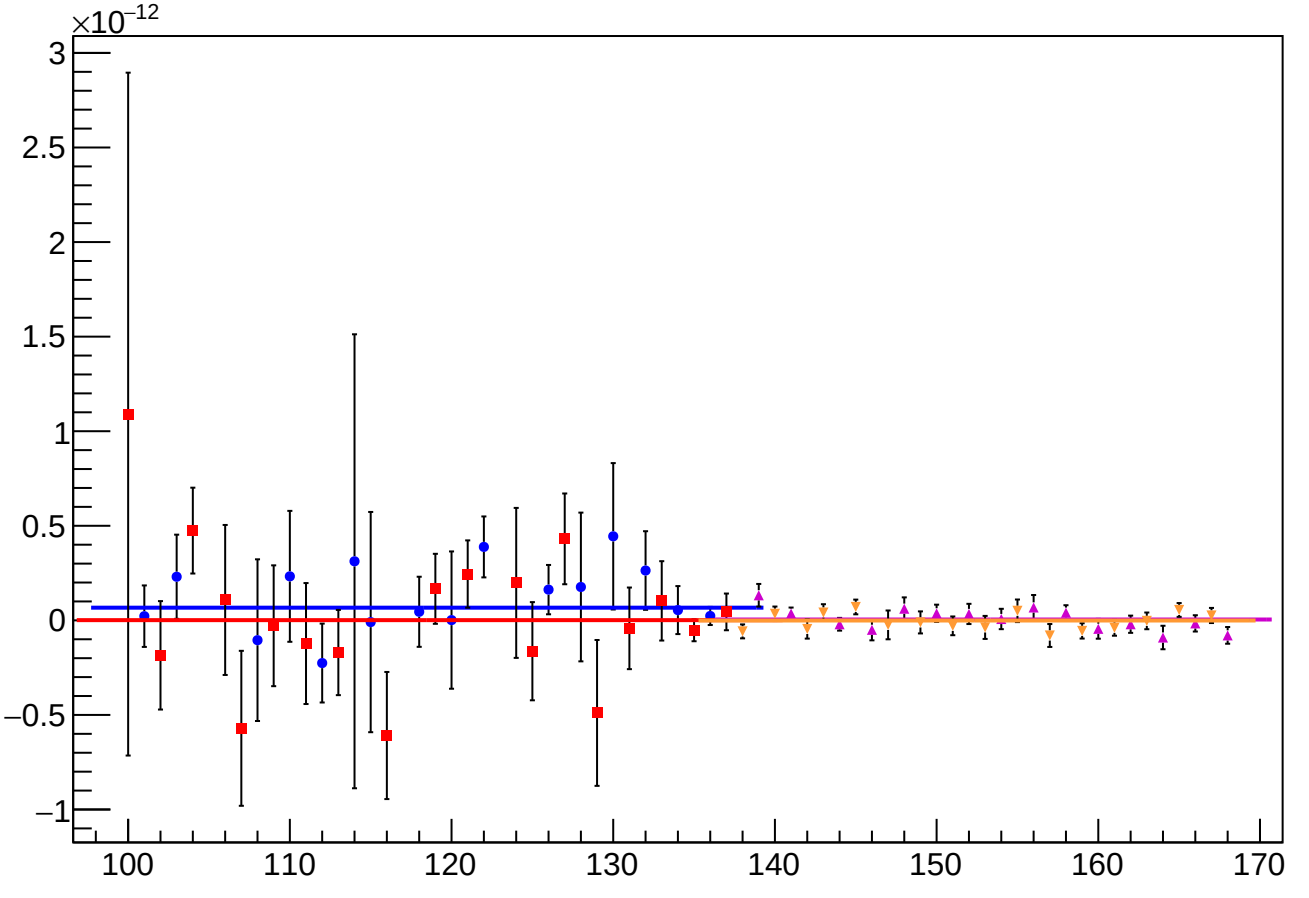
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 127.693+/-0.026 χ^2/NDF:459209.5/14

+ sign 128.220+/-0.021 χ^2/NDF: 2351374.3/31

All: 128.246+/-0.015 χ^2/NDF: 4700295.8/65

- sign 128.272+/-0.021 χ^2/NDF: 2348918.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

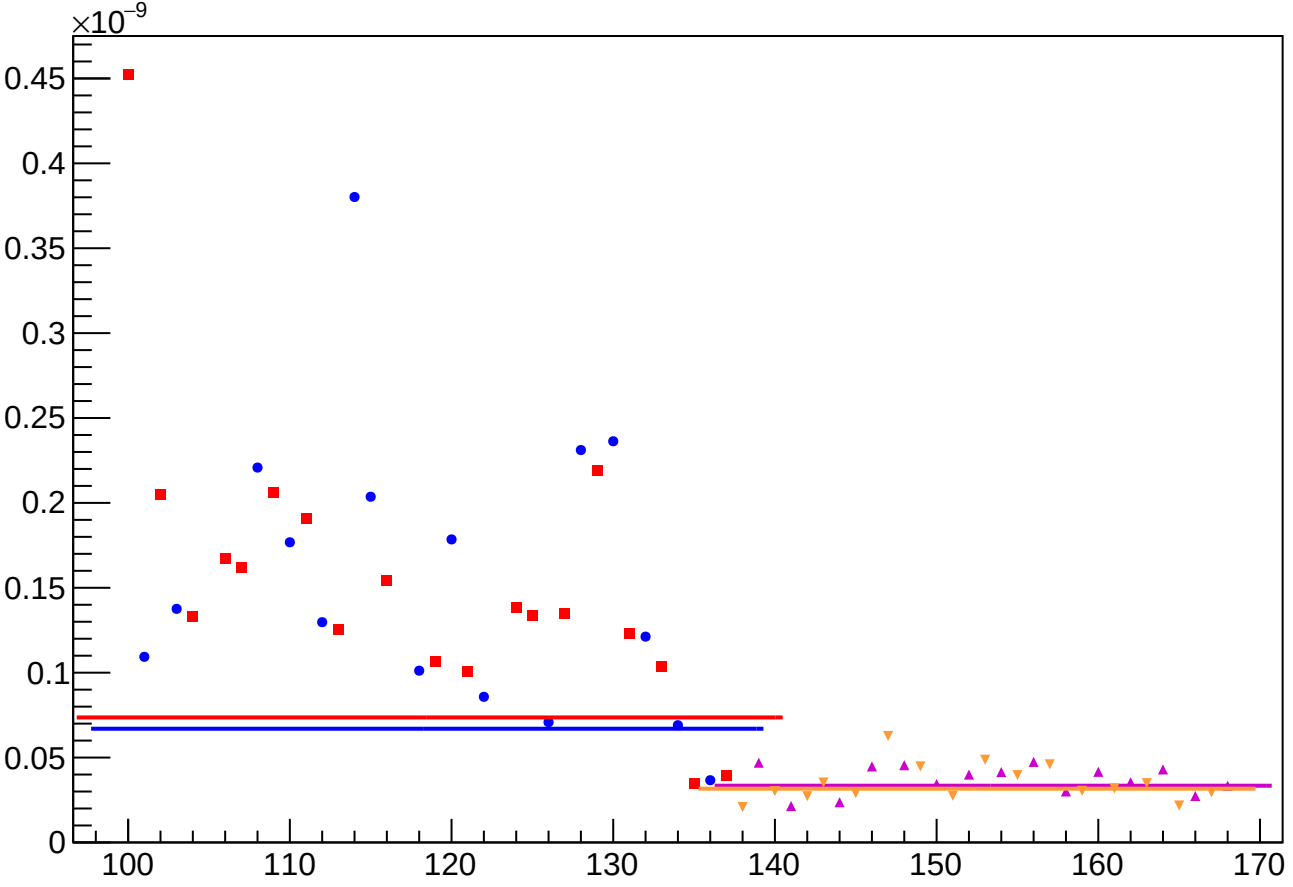
Left In: 0.000+/-0.000 χ^2/NDF:18.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 30.6/31

All: 0.000+/-0.000 χ^2/NDF: 69.3/65

- sign 0.000+/-0.000 χ^2/NDF: 38.6/33

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:1131819.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

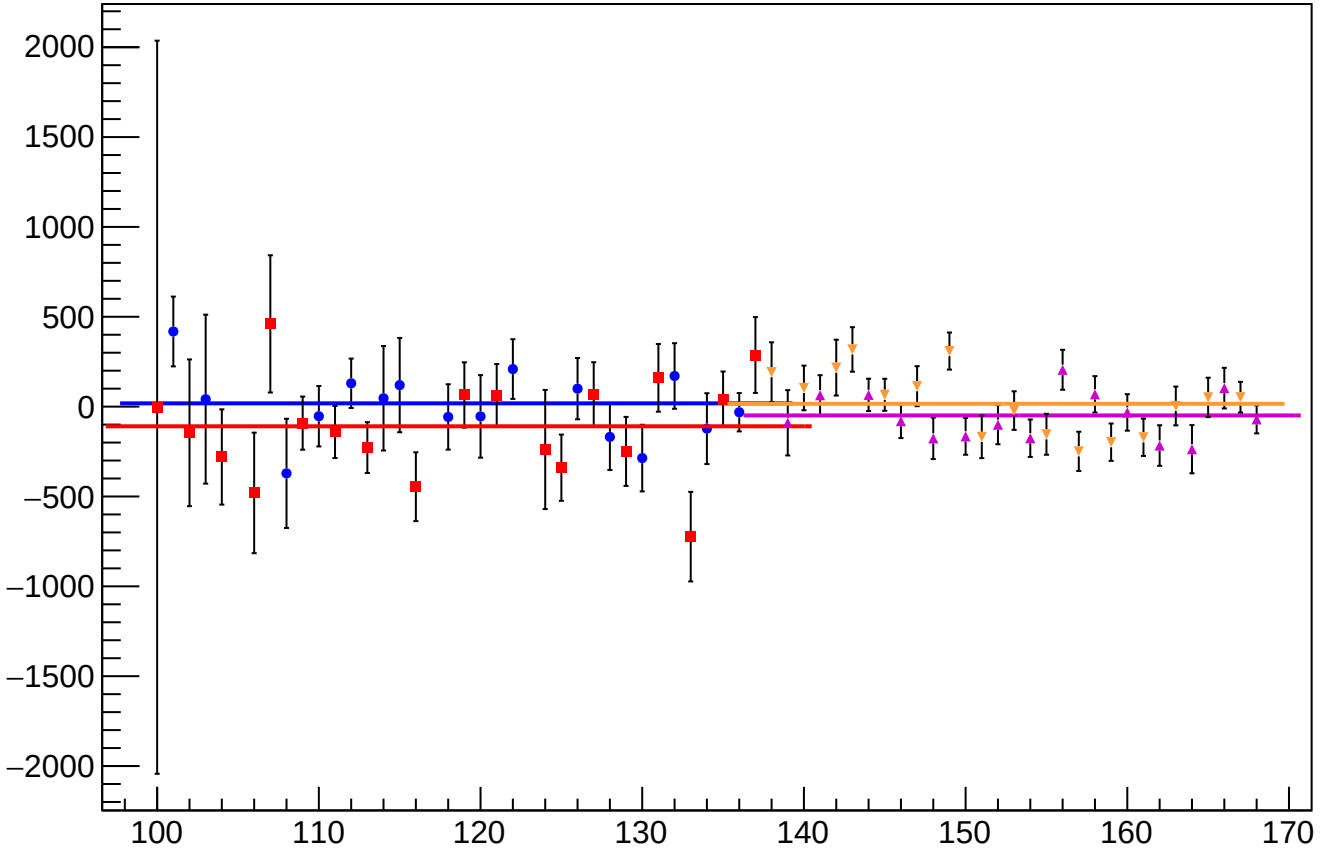
Left In: 0.000+/-0.000 χ^2/NDF:1042644.7/14

+ sign 0.000+/-0.000 χ^2/NDF: 6052285.1/31

All: 0.000+/-0.000 χ^2/NDF: 12687329.2/65

- sign 0.000+/-0.000 χ^2/NDF: 6603900.4/33

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 15.803+/-27.533 χ^2/NDF:36.9/15

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

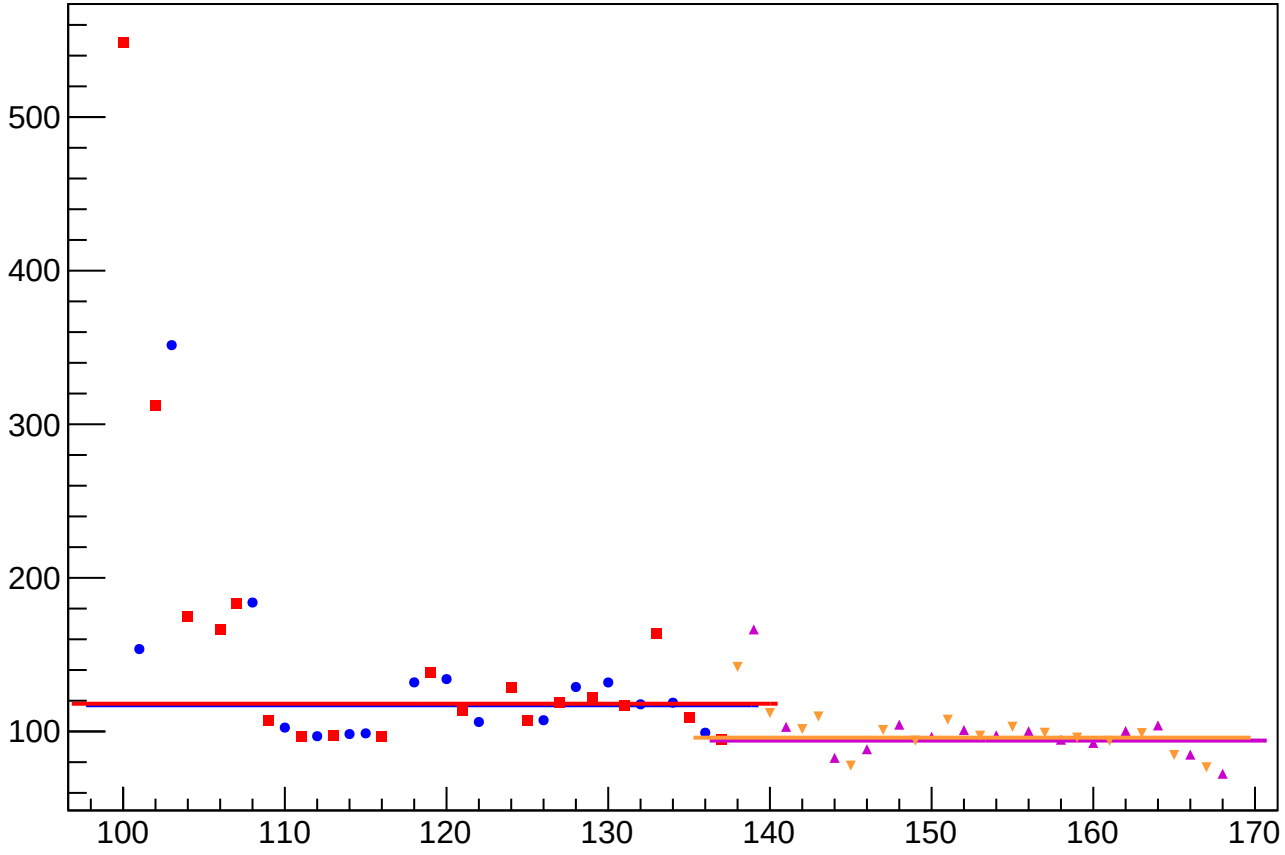
Left In: -49.029+/-27.258 χ^2/NDF:19.7/14

+ sign 16.443+/-23.584 χ^2/NDF: 50.7/31

All: -24.458+/-16.621 χ^2/NDF: 103.1/65

- sign -64.816+/-23.427 χ^2/NDF: 46.4/33

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 95.956+/-0.019 χ^2/NDF:457995.5/15

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

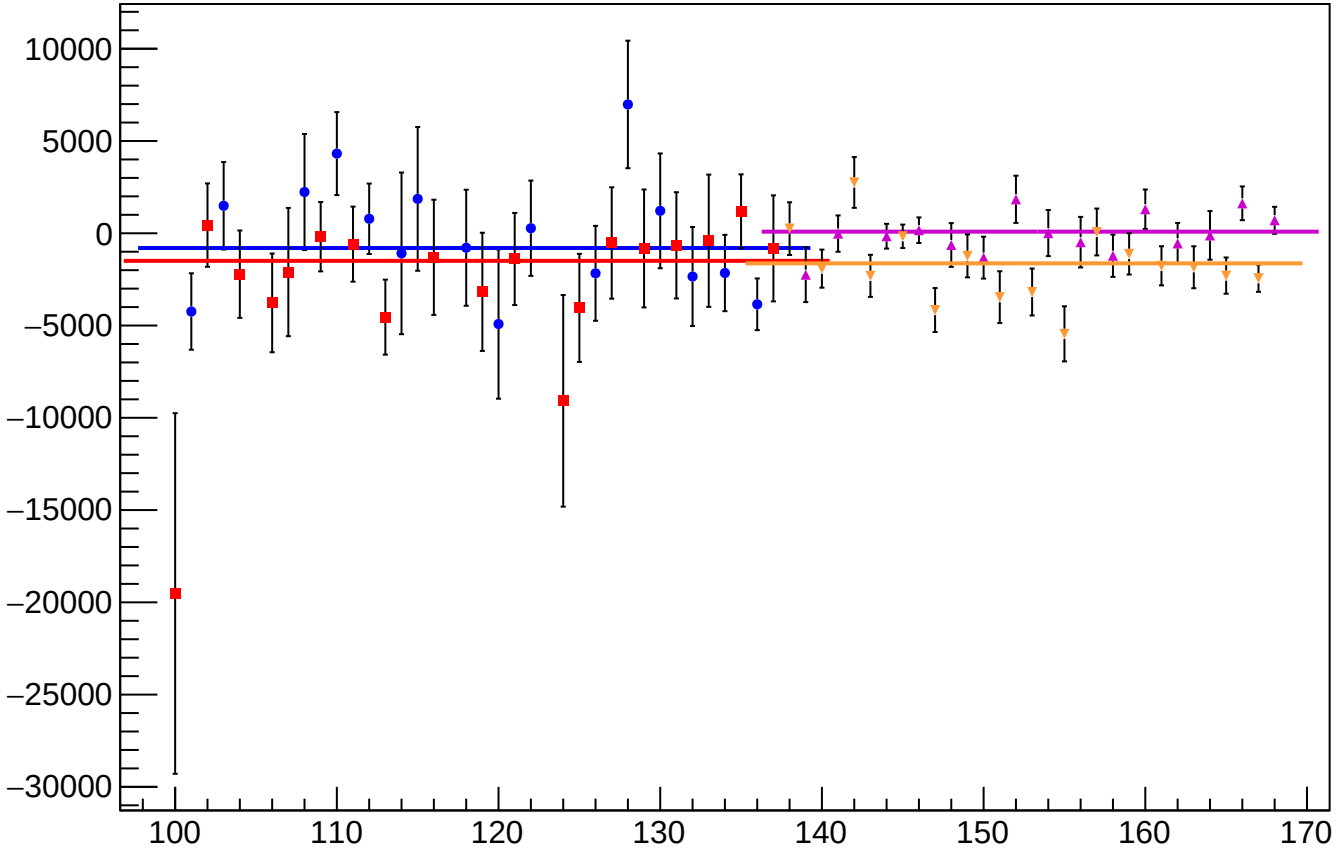
Left In: 94.062+/-0.019 χ^2/NDF:585193.4/14

+ sign 101.576+/-0.017 χ^2/NDF: 1629364.2/31

All: 100.951+/-0.012 χ^2/NDF: 3613151.6/65

- sign 100.334+/-0.017 χ^2/NDF: 1980994.6/33

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1630.674+/-265.452 χ^2/NDF:35.7/15

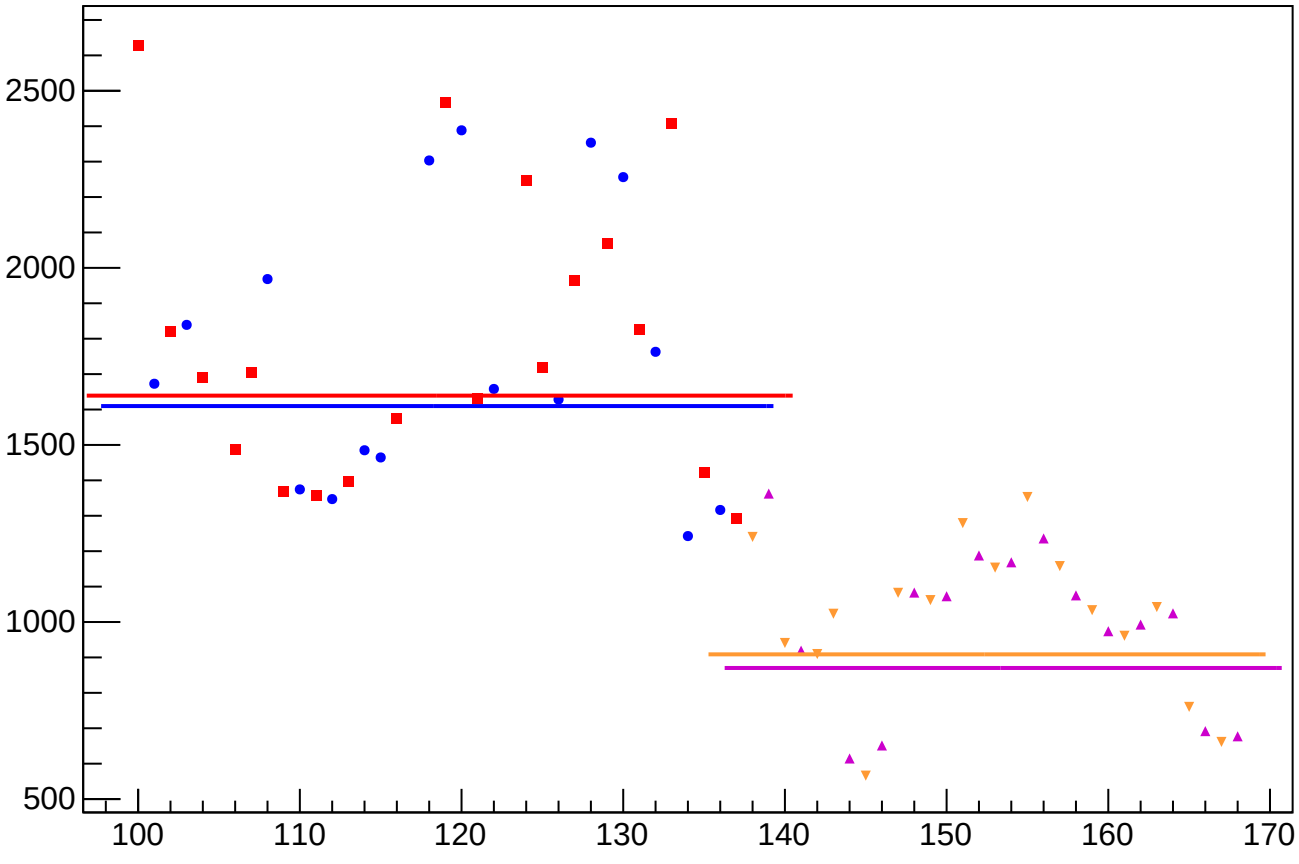
Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 87.352+/-256.834 χ^2/NDF:13.1/14

+ sign -1500.445+/-243.781 χ^2/NDF: 60.7/31

All: -805.198+/-169.890 χ^2/NDF: 108.1/65

- sign -148.711+/-236.888 χ^2/NDF: 31.6/33



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 908.684+/-0.188 χ^2/NDF:1585233.2/15

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

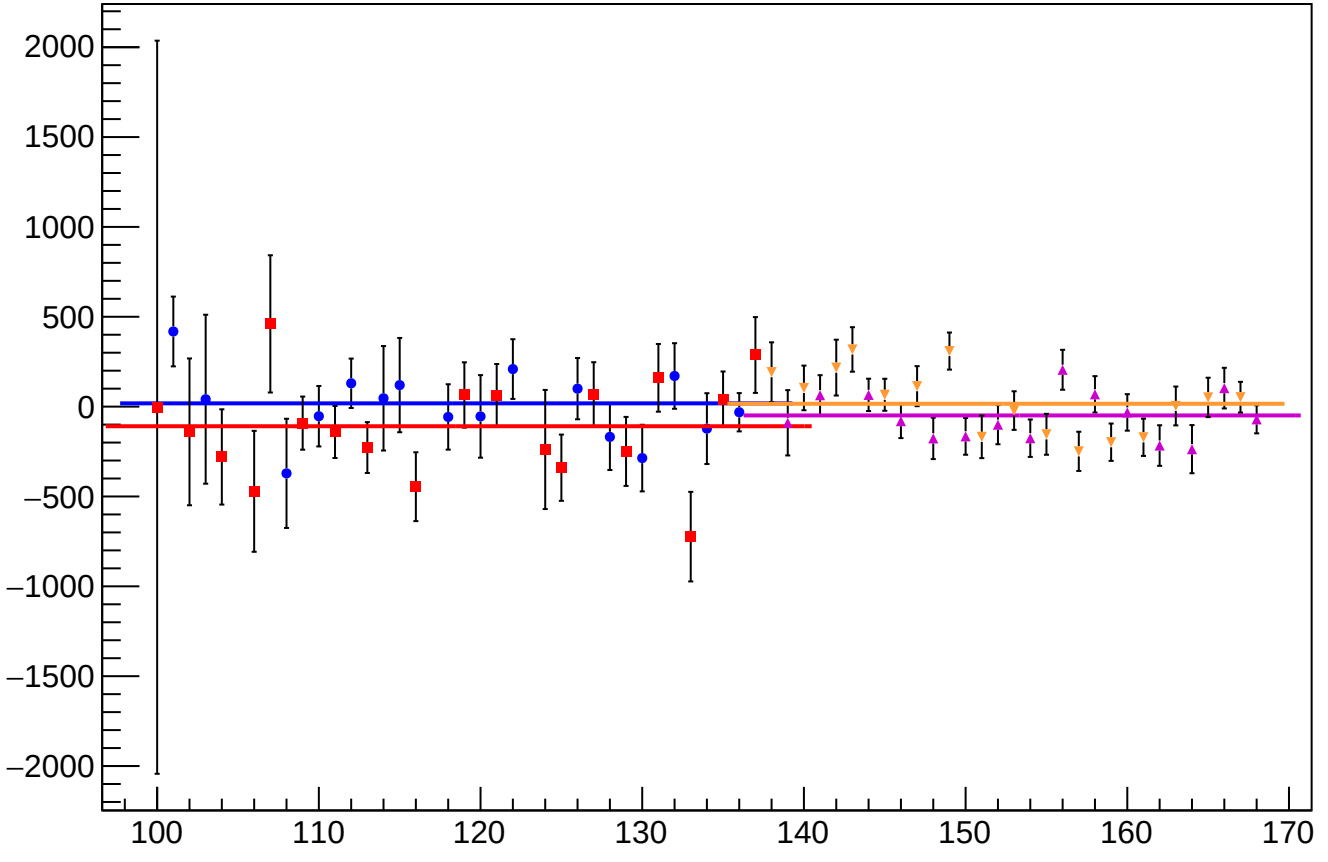
Left In: 870.217+/-0.182 χ^2/NDF:1572221.2/14

+ sign 1018.484+/-0.172 χ^2/NDF: 4389303.7/31

All: 1001.274+/-0.120 χ^2/NDF: 9177996.4/65

- sign 985.024+/-0.168 χ^2/NDF: 4769313.0/33

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 15.812+/-27.533 χ^2/NDF:36.9/15

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

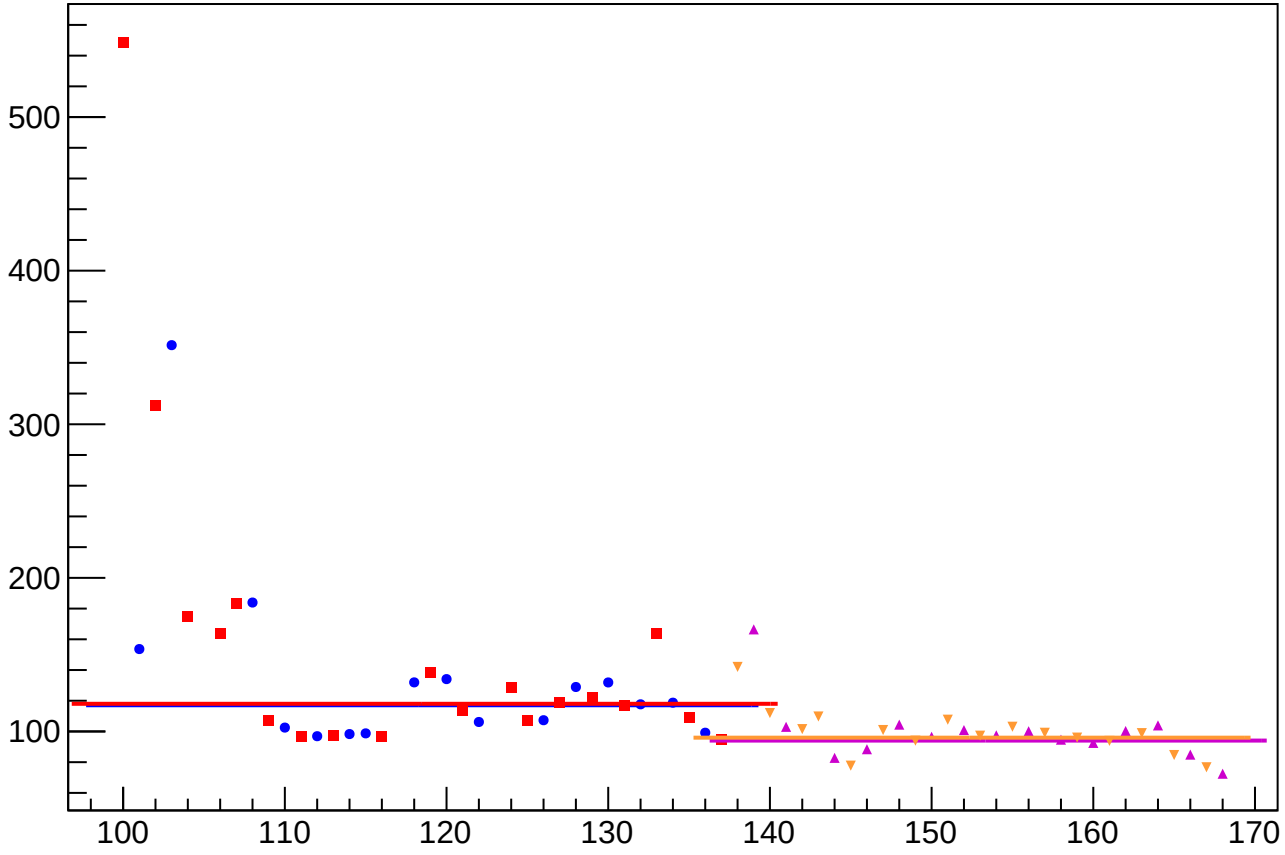
Left In: -49.031+/-27.258 χ^2/NDF:19.7/14

+ sign 16.446+/-23.584 χ^2/NDF: 50.7/31

All: -24.419+/-16.621 χ^2/NDF: 103.0/65

- sign -64.742+/-23.427 χ^2/NDF: 46.3/33

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 95.956+/-0.019 χ^2/NDF:457995.4/15

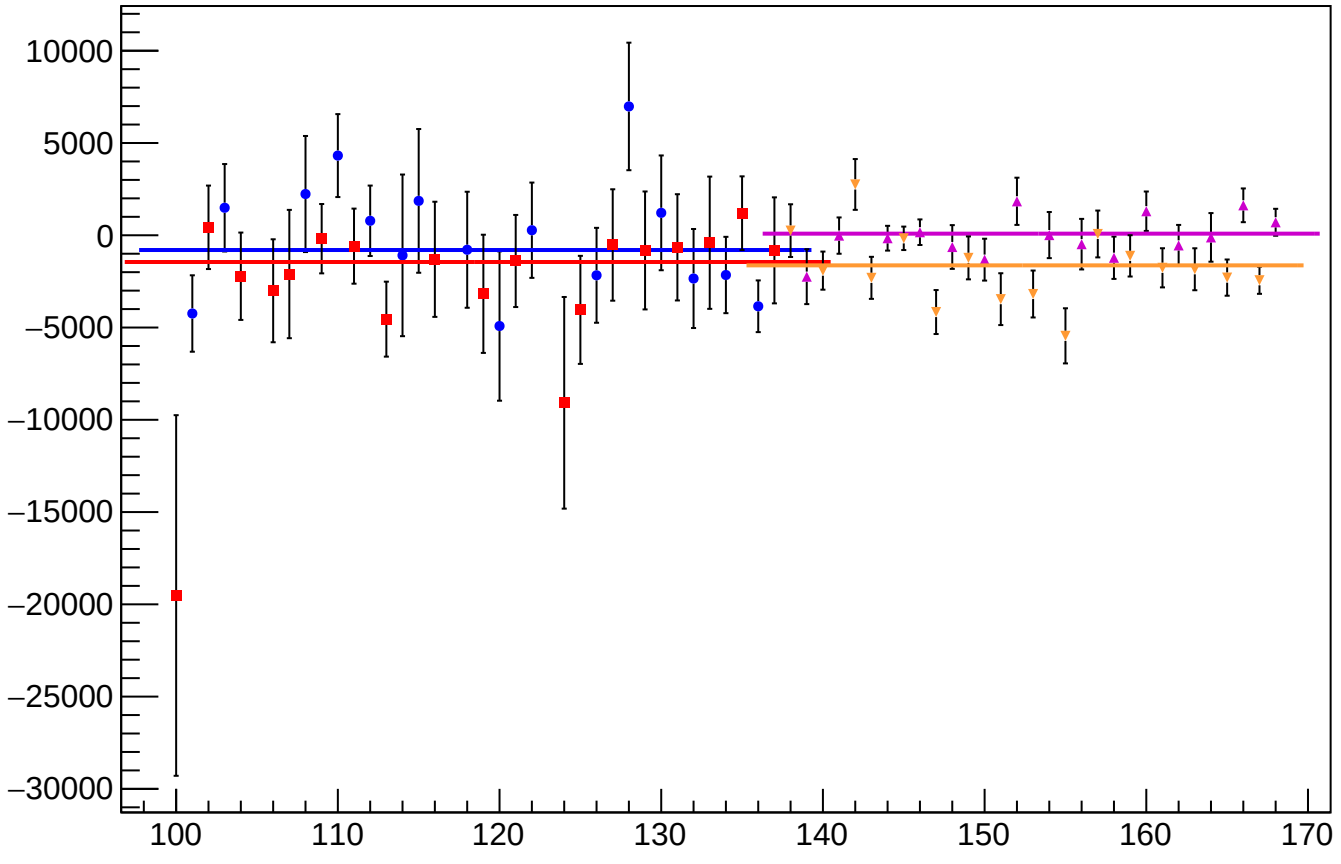
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 94.062+/-0.019 χ^2/NDF:585193.4/14

+ sign 101.576+/-0.017 χ^2/NDF: 1629365.8/31

All: 100.944+/-0.012 χ^2/NDF: 3607237.4/65

- sign 100.320+/-0.017 χ^2/NDF: 1975014.8/33



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1630.661+/-265.452 χ^2/NDF:35.7/15

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

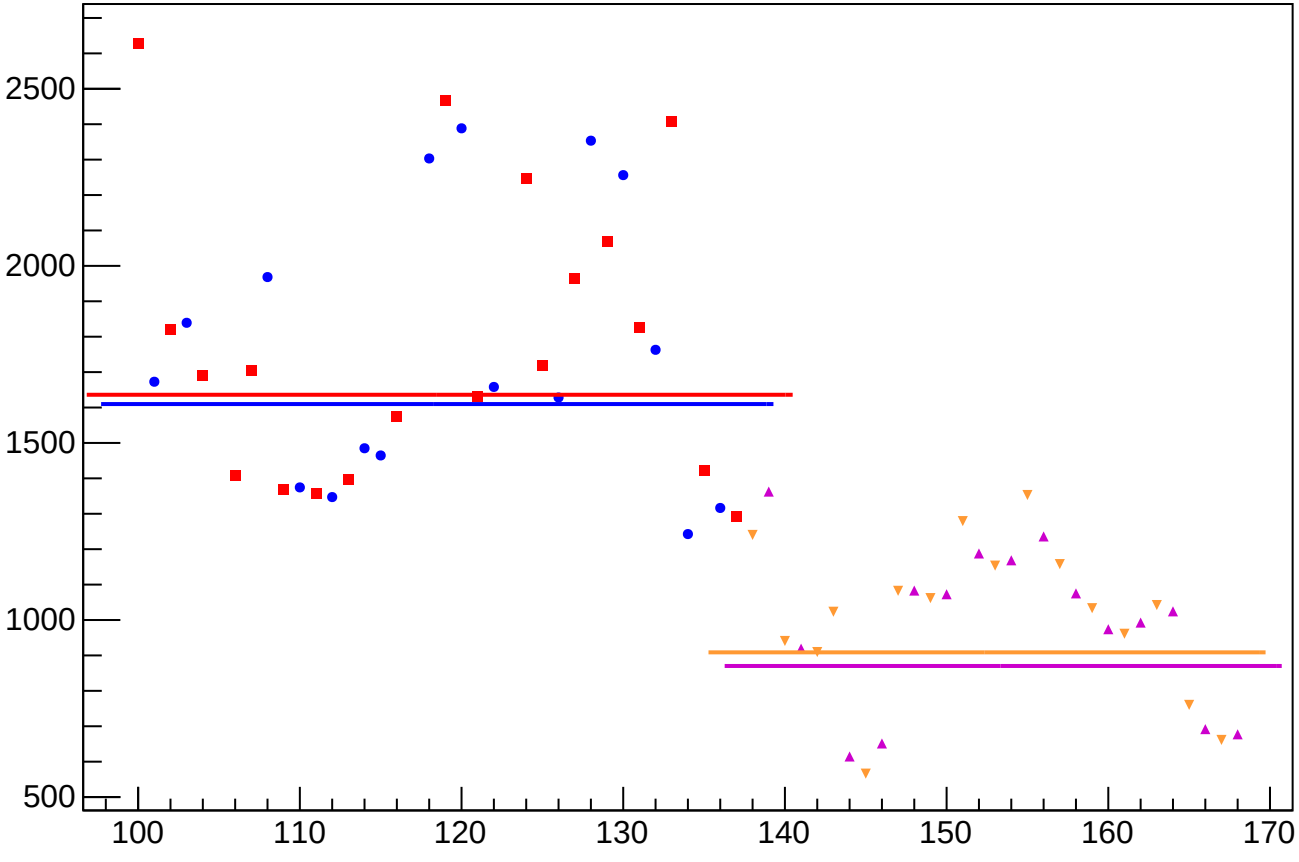
Left In: 87.348+/-256.834 χ^2/NDF:13.1/14

+ sign -1500.433+/-243.781 χ^2/NDF: 60.7/31

All: -801.486+/-169.918 χ^2/NDF: 107.5/65

- sign -141.073+/-236.966 χ^2/NDF: 30.8/33

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 908.684+/-0.188 χ^2/NDF:1585238.7/15

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

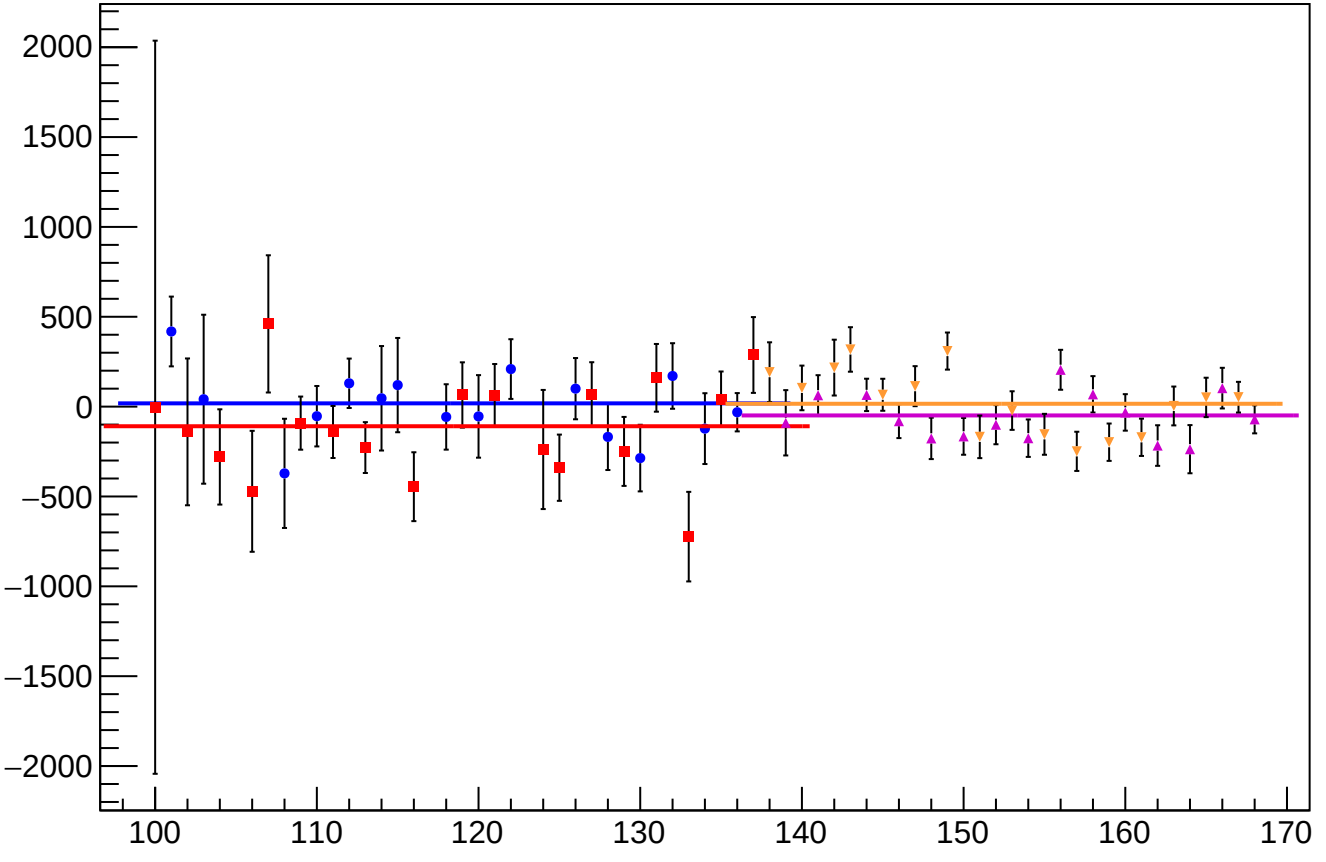
Left In: 870.217+/-0.182 χ^2/NDF:1572221.3/14

+ sign 1018.484+/-0.172 χ^2/NDF: 4389374.2/31

All: 1000.815+/-0.120 χ^2/NDF: 9154660.6/65

- sign 984.121+/-0.168 χ^2/NDF: 4744853.7/33

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 15.812+/-27.533 χ^2/NDF:36.9/15

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

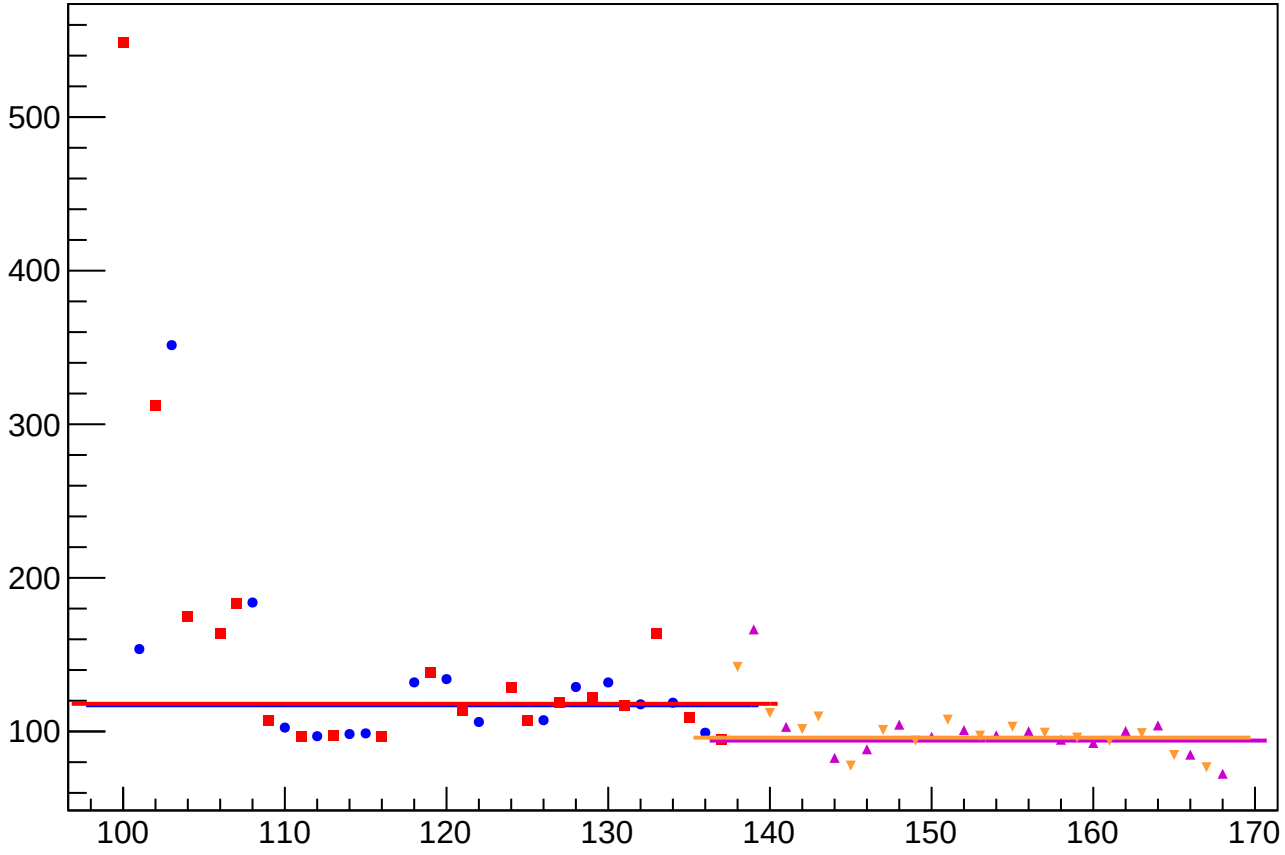
Left In: -49.031+/-27.258 χ^2/NDF:19.7/14

+ sign 16.446+/-23.584 χ^2/NDF: 50.7/31

All: -24.419+/-16.621 χ^2/NDF: 103.0/65

- sign -64.742+/-23.427 χ^2/NDF: 46.3/33

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 95.956+/-0.019 χ^2/NDF:457995.4/15

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

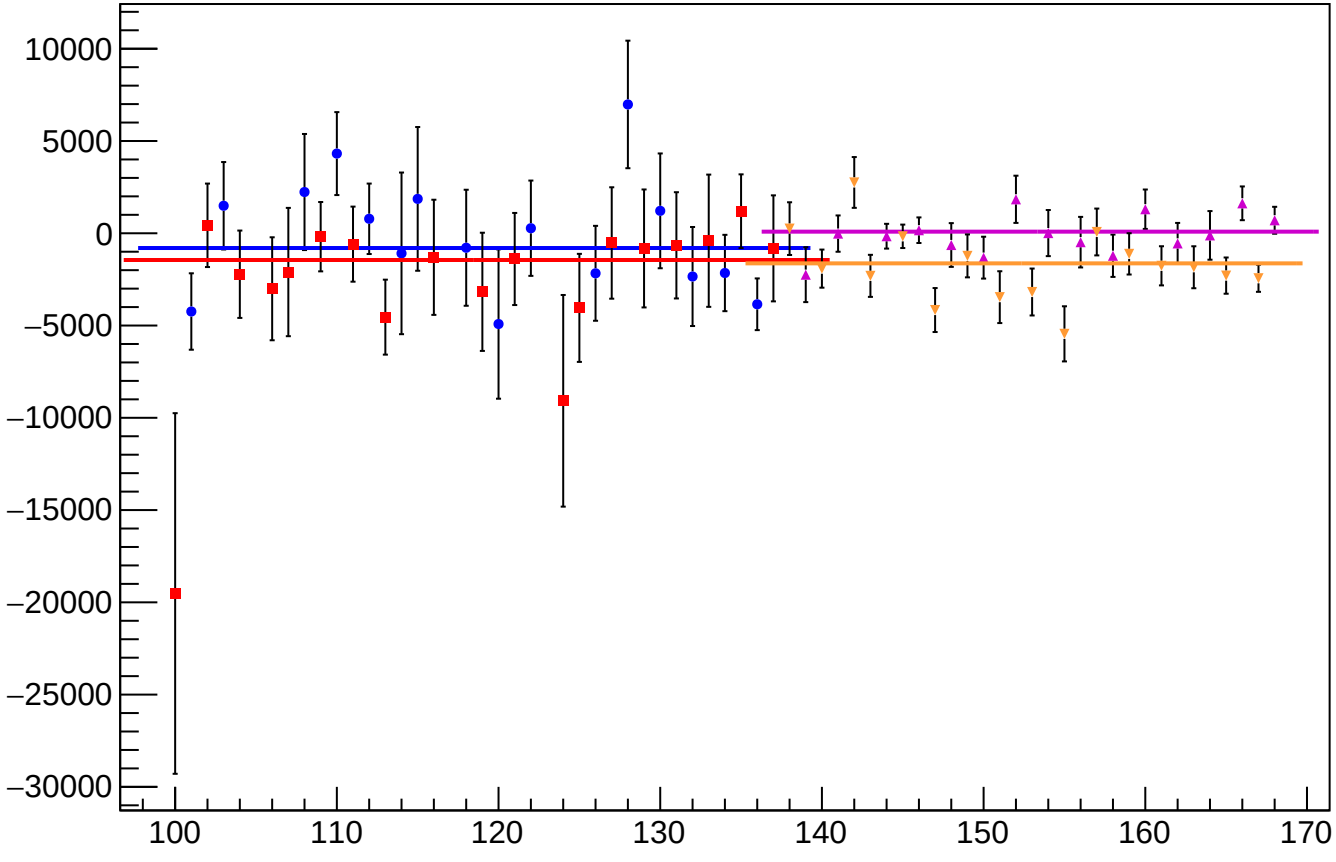
Left In: 94.062+/-0.019 χ^2/NDF:585193.4/14

+ sign 101.576+/-0.017 χ^2/NDF: 1629365.8/31

All: 100.944+/-0.012 χ^2/NDF: 3607237.4/65

- sign 100.320+/-0.017 χ^2/NDF: 1975014.8/33

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1630.661+/-265.452 χ^2/NDF:35.7/15

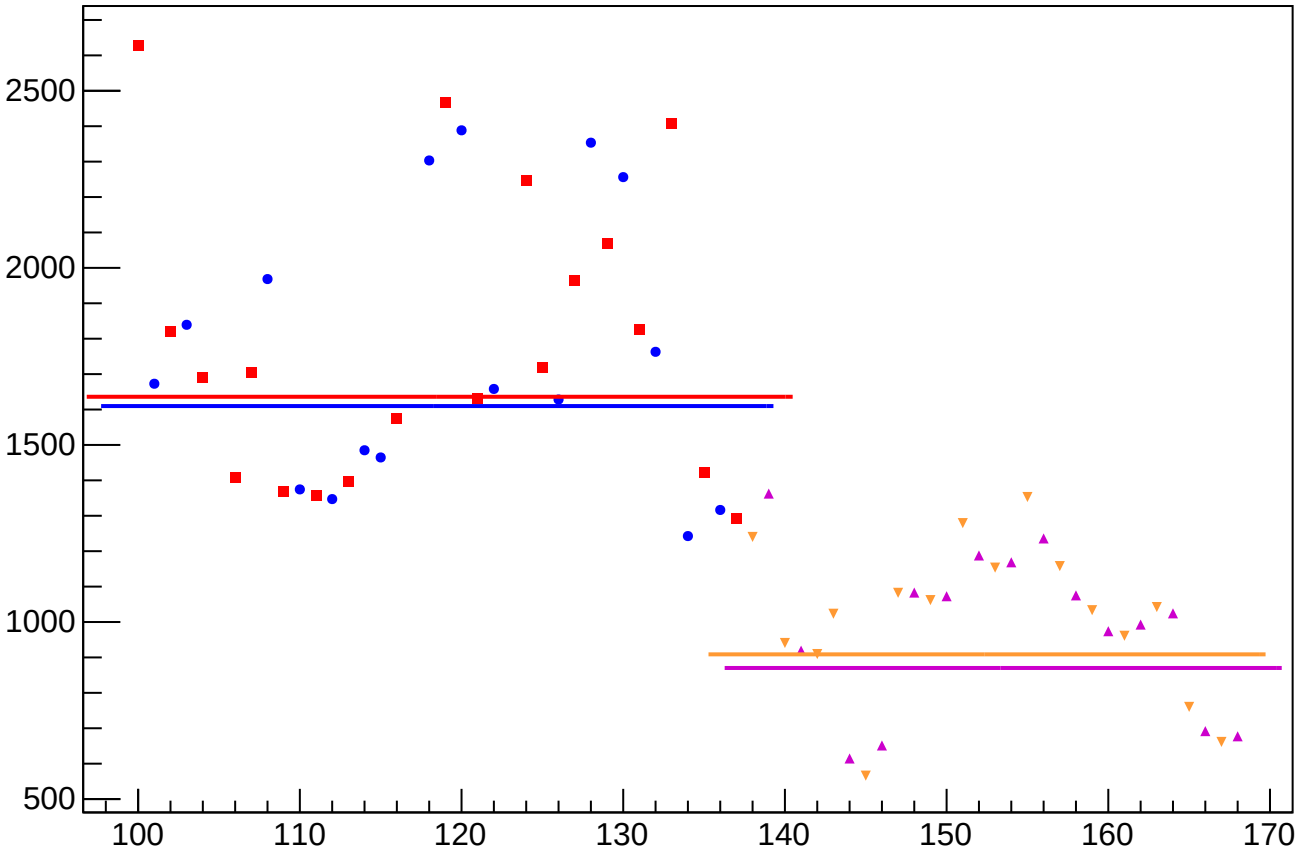
Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 87.348+/-256.834 χ^2/NDF:13.1/14

+ sign -1500.433+/-243.781 χ^2/NDF: 60.7/31

All: -801.486+/-169.918 χ^2/NDF: 107.5/65

- sign -141.073+/-236.966 χ^2/NDF: 30.8/33



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 908.684+/-0.188 χ^2/NDF:1585238.7/15

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

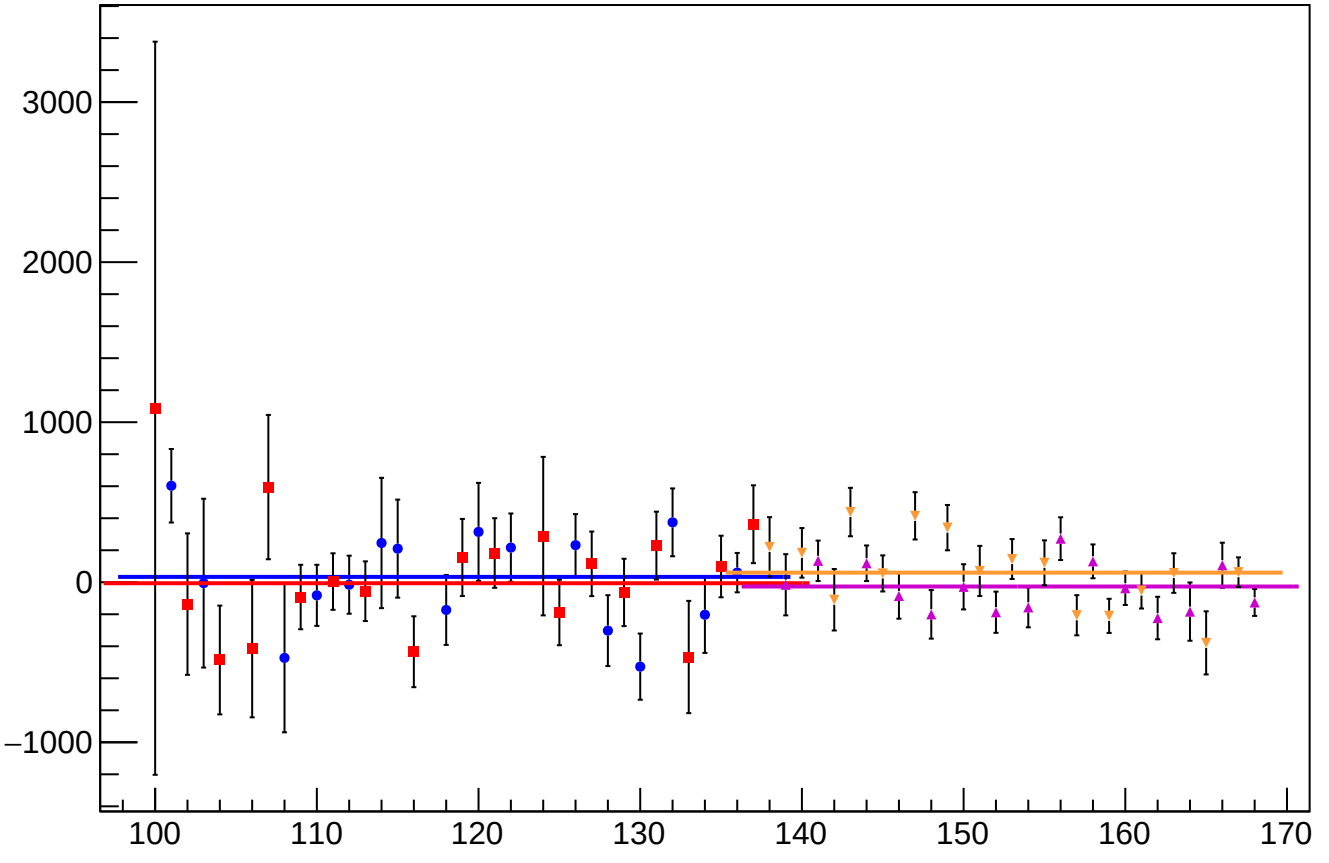
Left In: 870.217+/-0.182 χ^2/NDF:1572221.3/14

+ sign 1018.484+/-0.172 χ^2/NDF: 4389374.2/31

All: 1000.815+/-0.120 χ^2/NDF: 9154660.6/65

- sign 984.121+/-0.168 χ^2/NDF: 4744853.7/33

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 60.047+/-33.148 χ^2/NDF:35.7/15

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

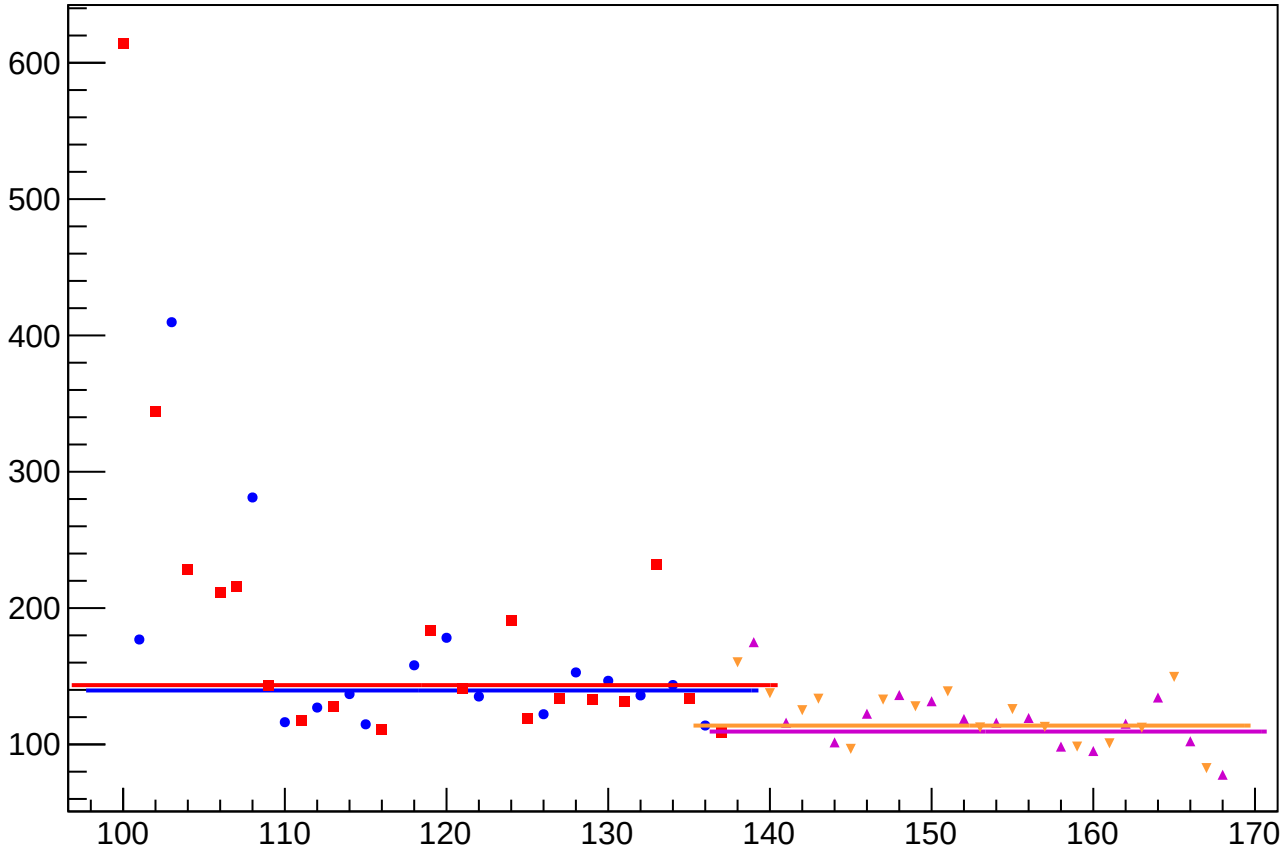
Left In: -26.616+/-32.378 χ^2/NDF:19.9/14

+ sign 52.948+/-28.378 χ^2/NDF: 61.0/31

All: 15.286+/-19.946 χ^2/NDF: 101.8/65

- sign -21.490+/-28.041 χ^2/NDF: 37.3/33

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 113.817+/-0.023 χ^2/NDF:739801.5/15

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

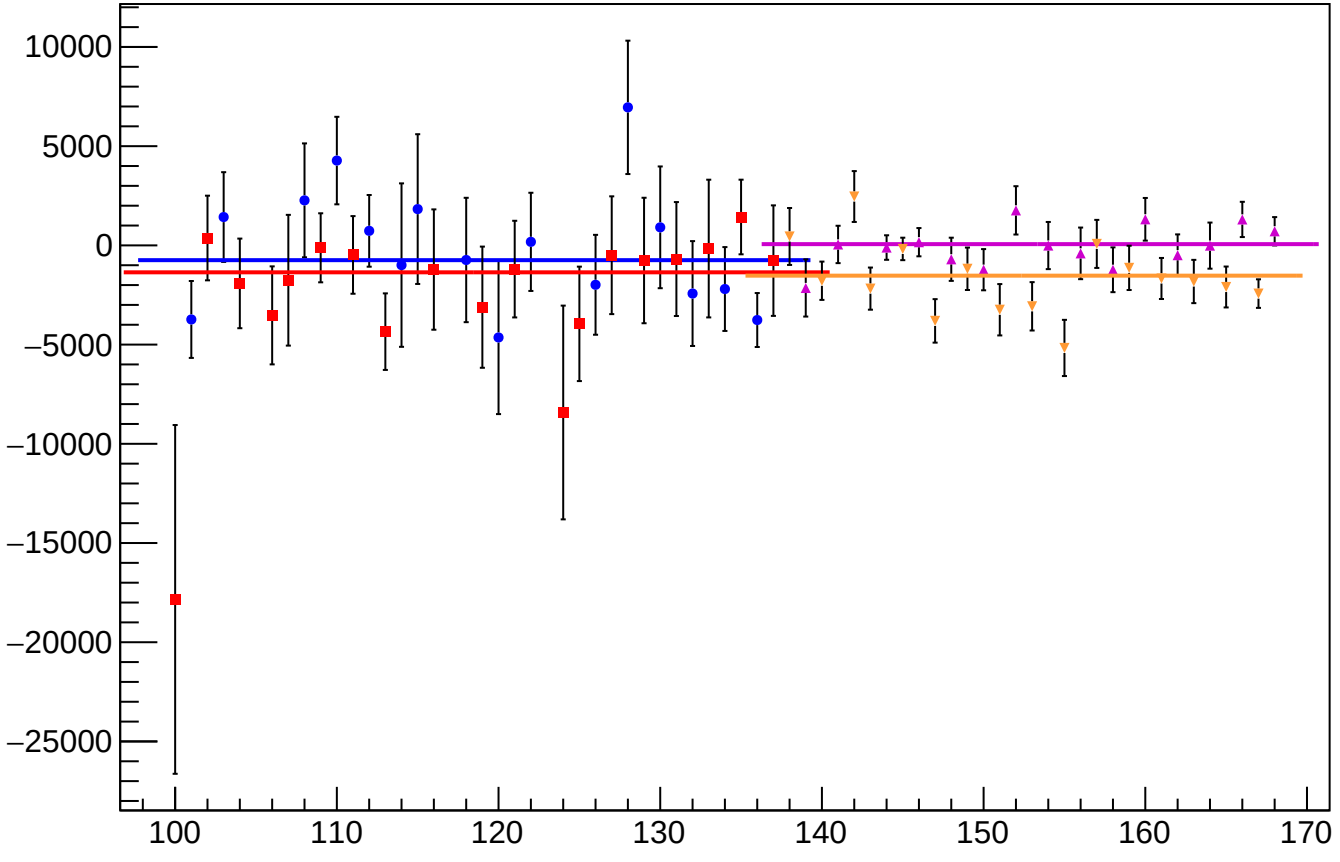
Left In: 109.422+/-0.023 χ^2/NDF:794648.4/14

+ sign 120.695+/-0.020 χ^2/NDF: 2038886.2/31

All: 119.298+/-0.014 χ^2/NDF: 4512843.4/65

- sign 117.934+/-0.020 χ^2/NDF: 2464379.1/33

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1525.464+/-251.716 χ^2/NDF:36.0/15

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

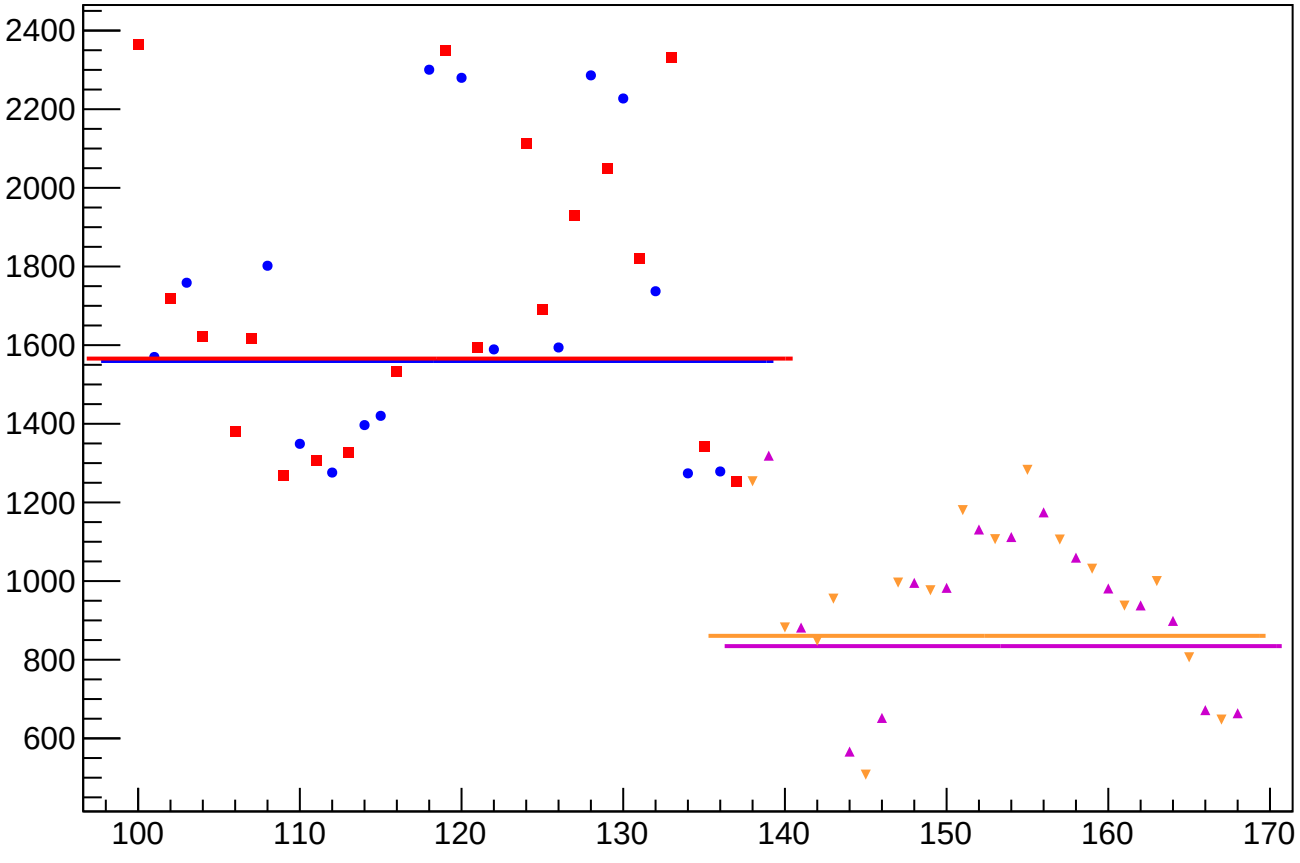
Left In: 63.039+/-246.388 χ^2/NDF:12.3/14

+ sign -1407.212+/-231.872 χ^2/NDF: 60.9/31

All: -765.860+/-162.251 χ^2/NDF: 106.7/65

- sign -150.539+/-227.117 χ^2/NDF: 30.8/33

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 860.742+/-0.178 χ^2/NDF:1732687.4/15

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

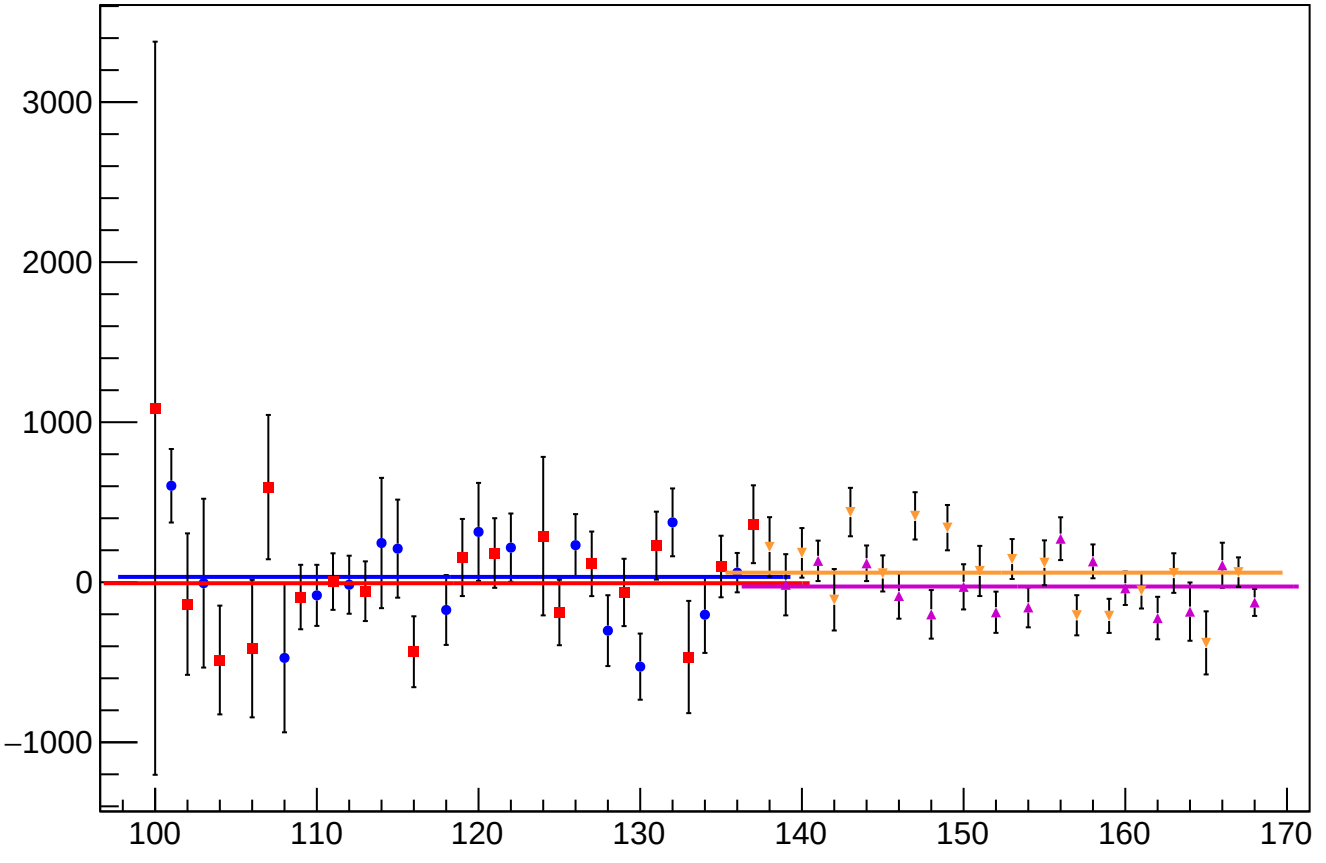
Left In: 834.607+/-0.174 χ^2/NDF:1511424.3/14

+ sign 966.607+/-0.164 χ^2/NDF: 4672703.3/31

All: 955.332+/-0.115 χ^2/NDF: 9404844.0/65

- sign 944.514+/-0.161 χ^2/NDF: 4722874.6/33

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 60.049+/-33.148 χ^2/NDF:35.7/15

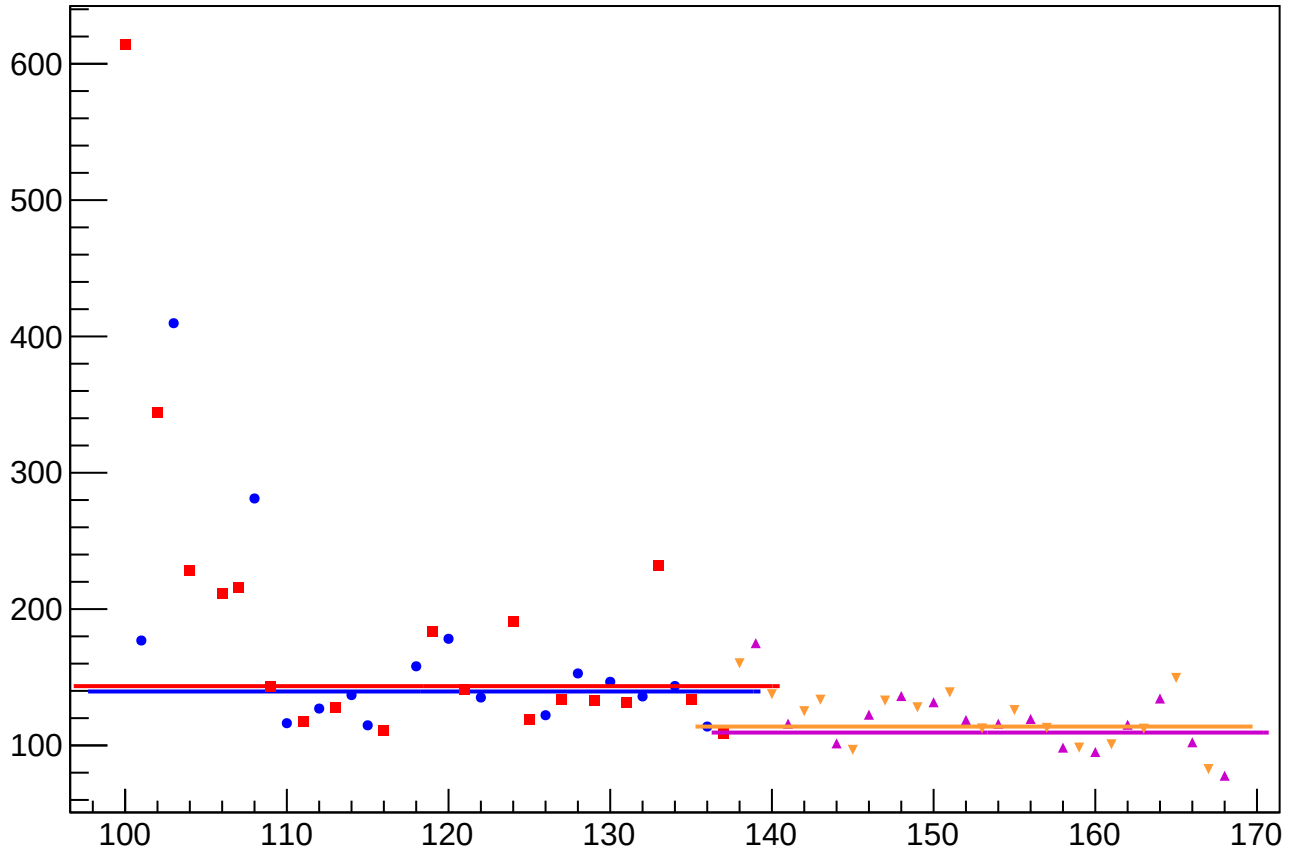
Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: -26.615+/-32.378 χ^2/NDF:19.9/14

+ sign 52.950+/-28.378 χ^2/NDF: 61.0/31

All: 15.287+/-19.946 χ^2/NDF: 101.8/65

- sign -21.488+/-28.042 χ^2/NDF: 37.3/33



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 113.818+/-0.023 χ^2/NDF:739818.9/15

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

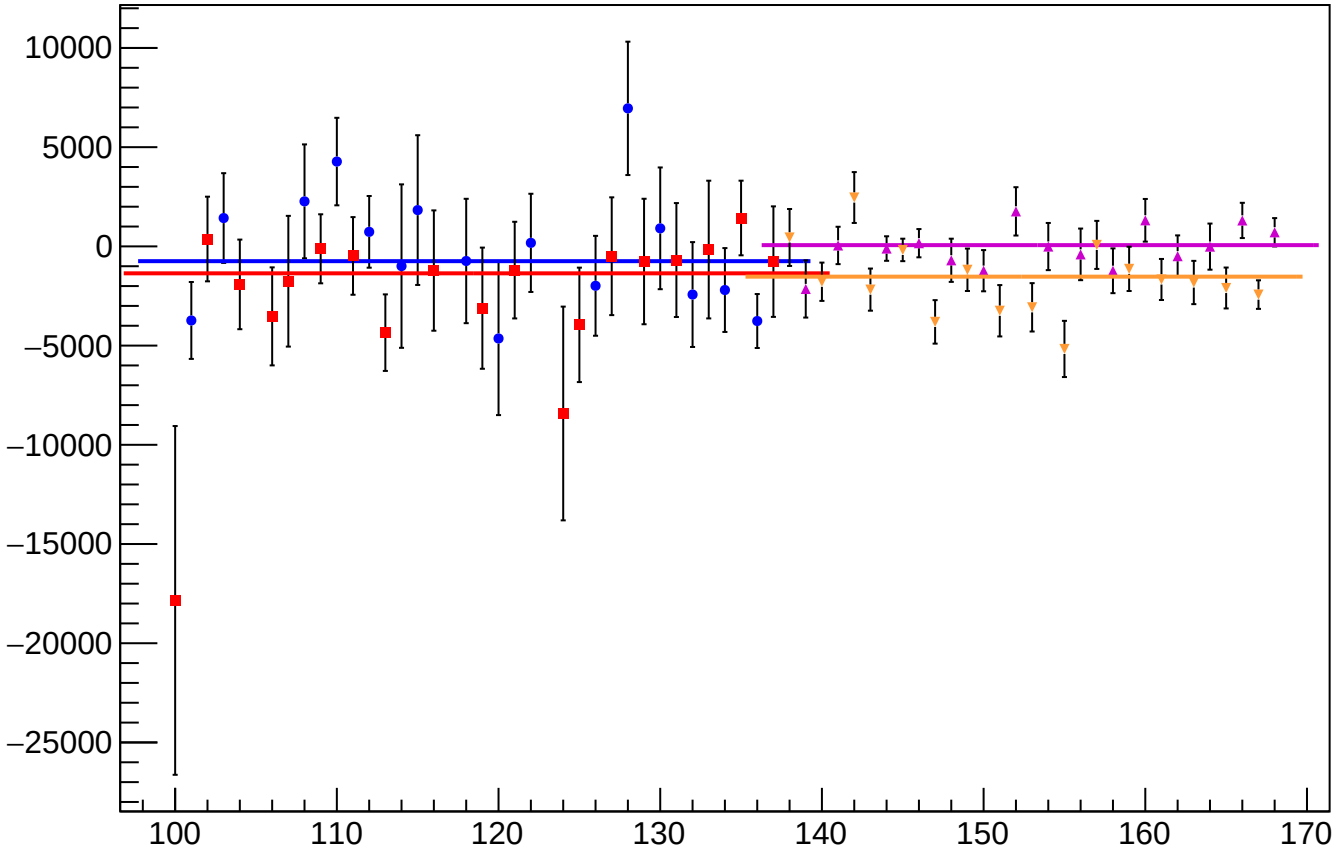
Left In: 109.423+/-0.023 χ^2/NDF:794661.7/14

+ sign 120.696+/-0.020 χ^2/NDF: 2038900.0/31

All: 119.299+/-0.014 χ^2/NDF: 4512876.8/65

- sign 117.935+/-0.020 χ^2/NDF: 2464398.6/33

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1525.464+/-251.715 χ^2/NDF:36.0/15

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

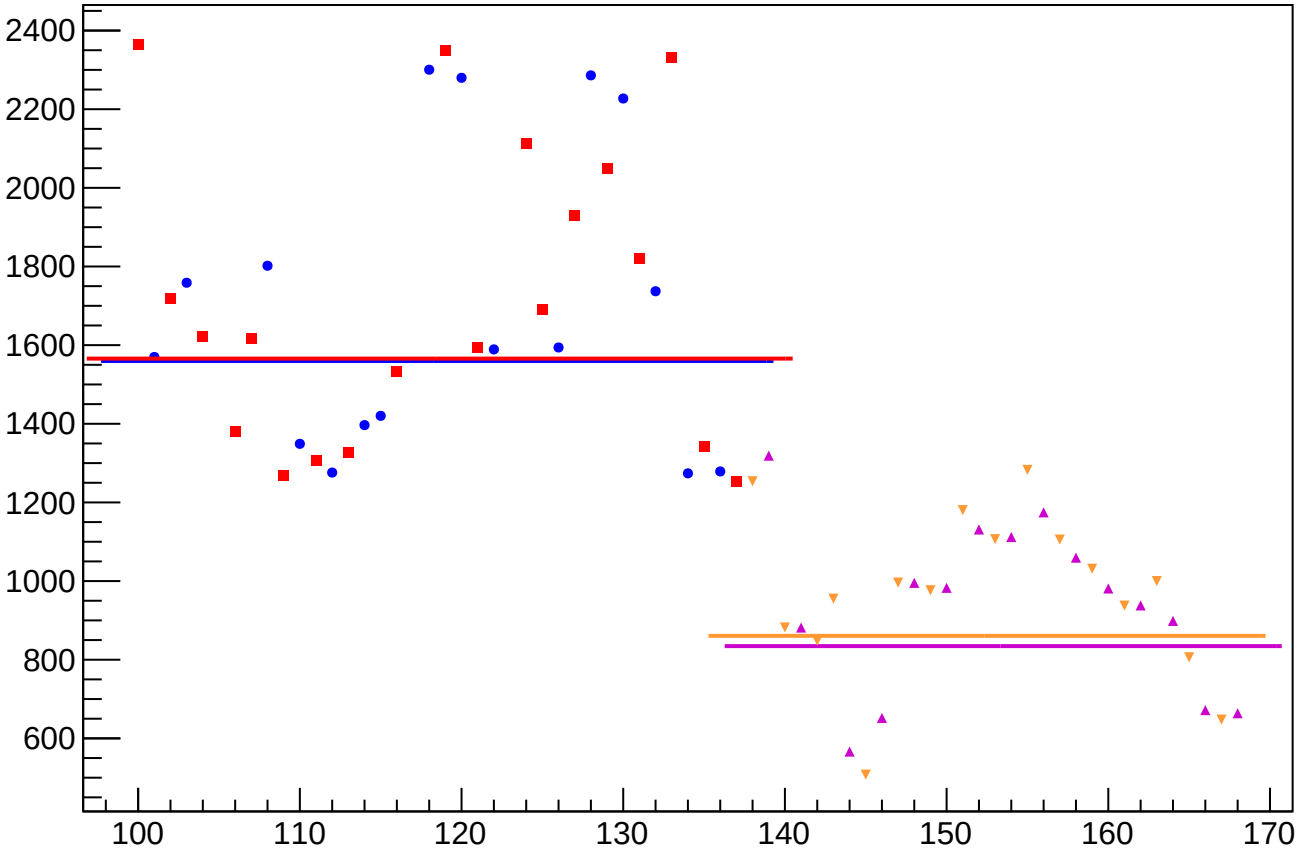
Left In: 63.040+/-246.388 χ^2/NDF:12.3/14

+ sign -1407.211+/-231.871 χ^2/NDF: 60.9/31

All: -765.859+/-162.251 χ^2/NDF: 106.7/65

- sign -150.539+/-227.117 χ^2/NDF: 30.8/33

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 860.741+/-0.178 χ^2/NDF:1732683.4/15

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

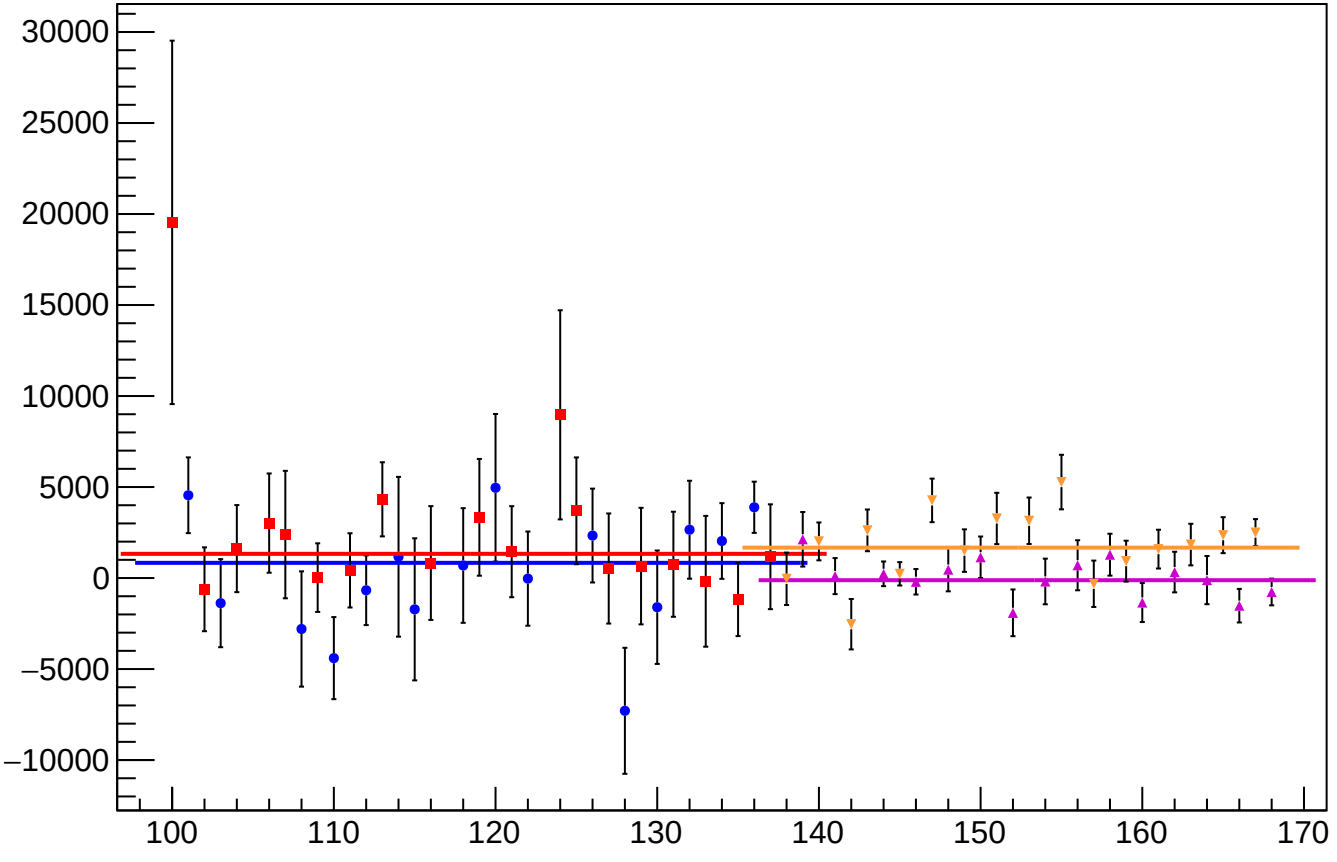
Left In: 834.606+/-0.174 χ^2/NDF:1511420.4/14

\+ sign 966.606+/-0.164 χ^2/NDF: 4672700.1/31

All: 955.331+/-0.115 χ^2/NDF: 9404832.9/65

\- sign 944.514+/-0.161 χ^2/NDF: 4722866.7/33

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1669.974+/-267.117 χ^2/NDF:34.2/15

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

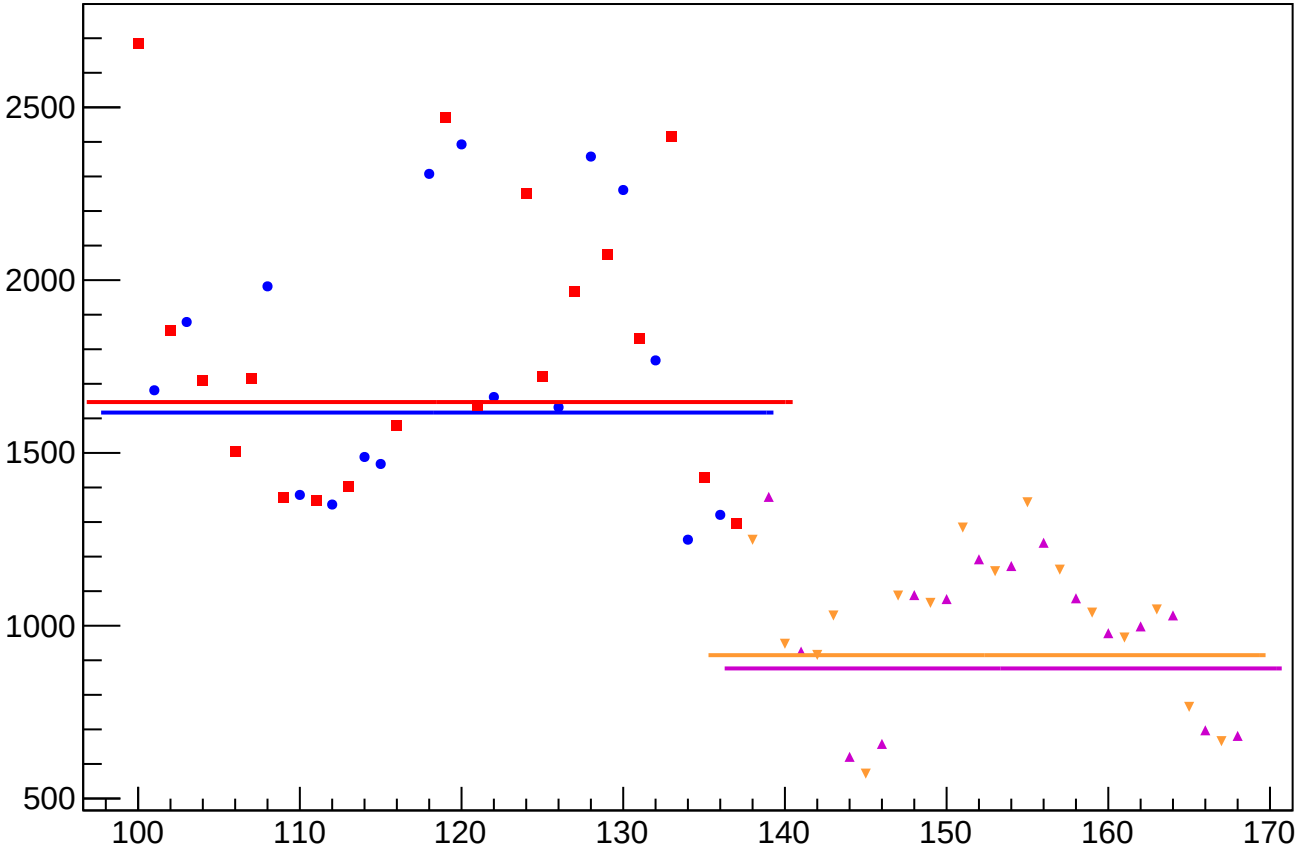
Left In: -118.433+/-258.536 χ^2/NDF:12.4/14

+ sign 1538.895+/-245.242 χ^2/NDF: 60.6/31

All: 798.205+/-170.948 χ^2/NDF: 107.6/65

- sign 98.172+/-238.416 χ^2/NDF: 29.2/33

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 914.788+/-0.189 χ^2/NDF:1562133.6/15

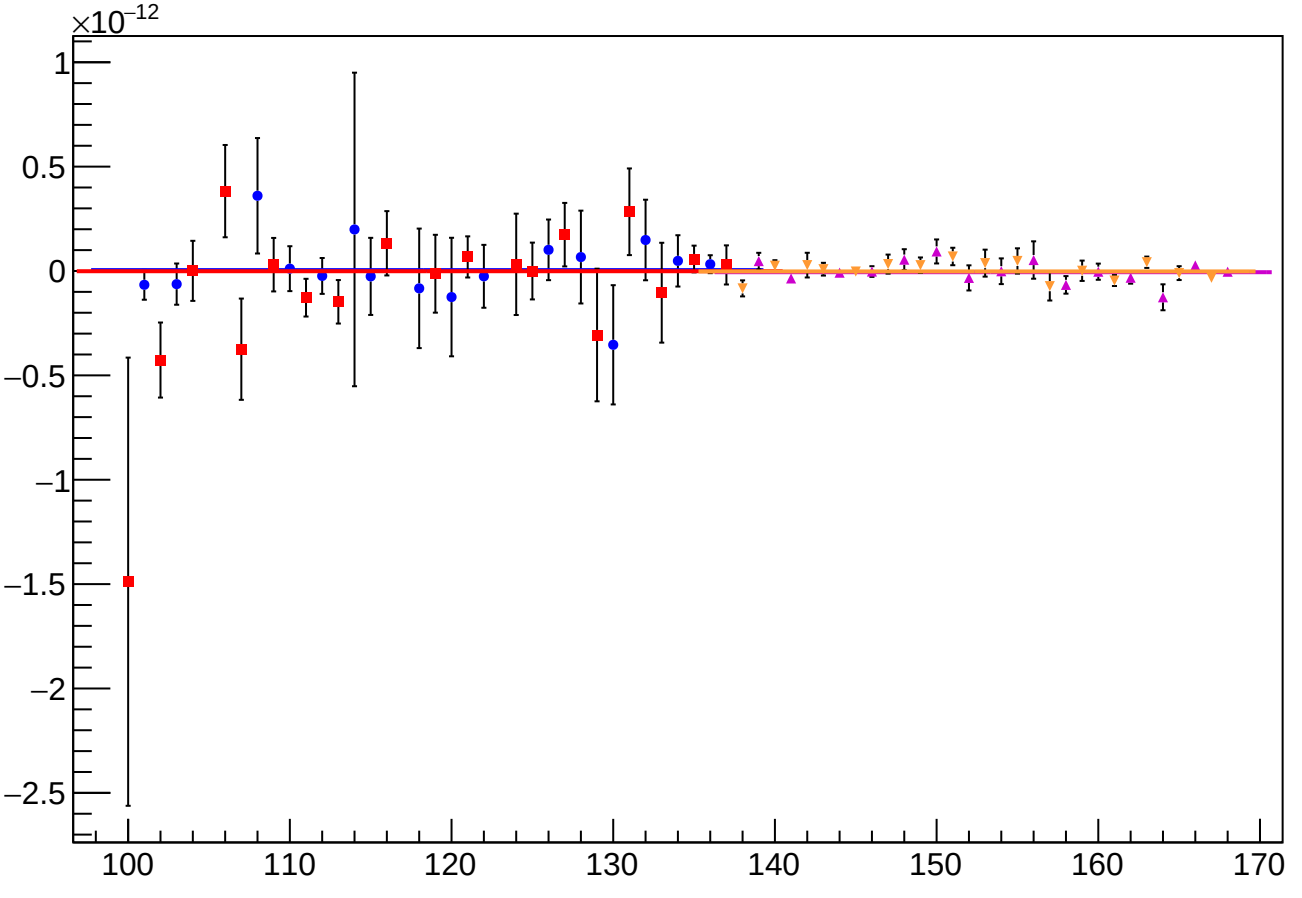
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 876.412+/-0.183 χ^2/NDF:1550067.4/14

+ sign 1025.059+/-0.173 χ^2/NDF: 4354298.5/31

All: 1007.919+/-0.121 χ^2/NDF: 9106691.1/65

- sign 991.719+/-0.169 χ^2/NDF: 4733389.3/33



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

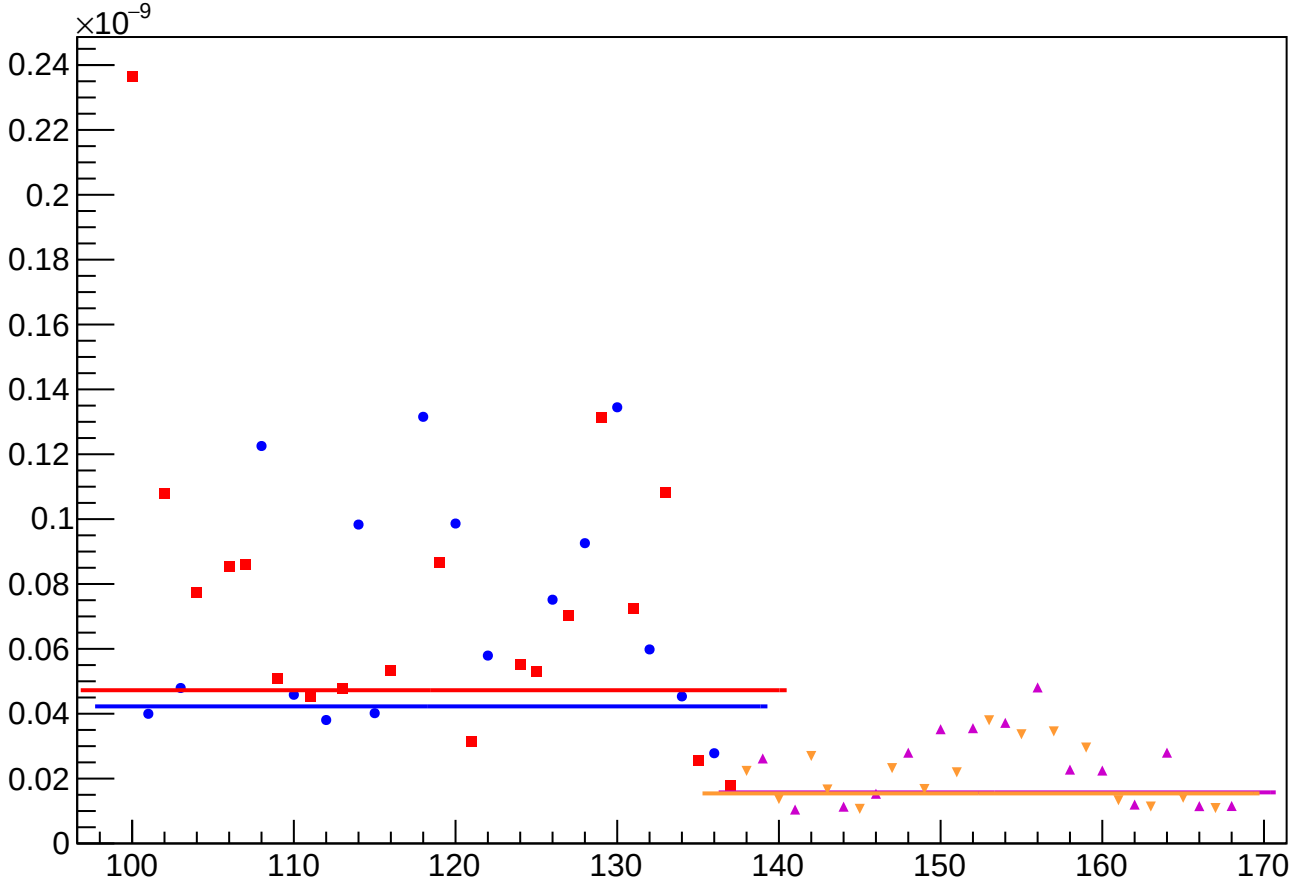
Left In: -0.000+/-0.000 χ^2/NDF:17.1/14

+ sign -0.000+/-0.000 χ^2/NDF: 27.0/31

All: -0.000+/-0.000 χ^2/NDF: 67.6/65

- sign -0.000+/-0.000 χ^2/NDF: 40.5/33

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:1311092.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

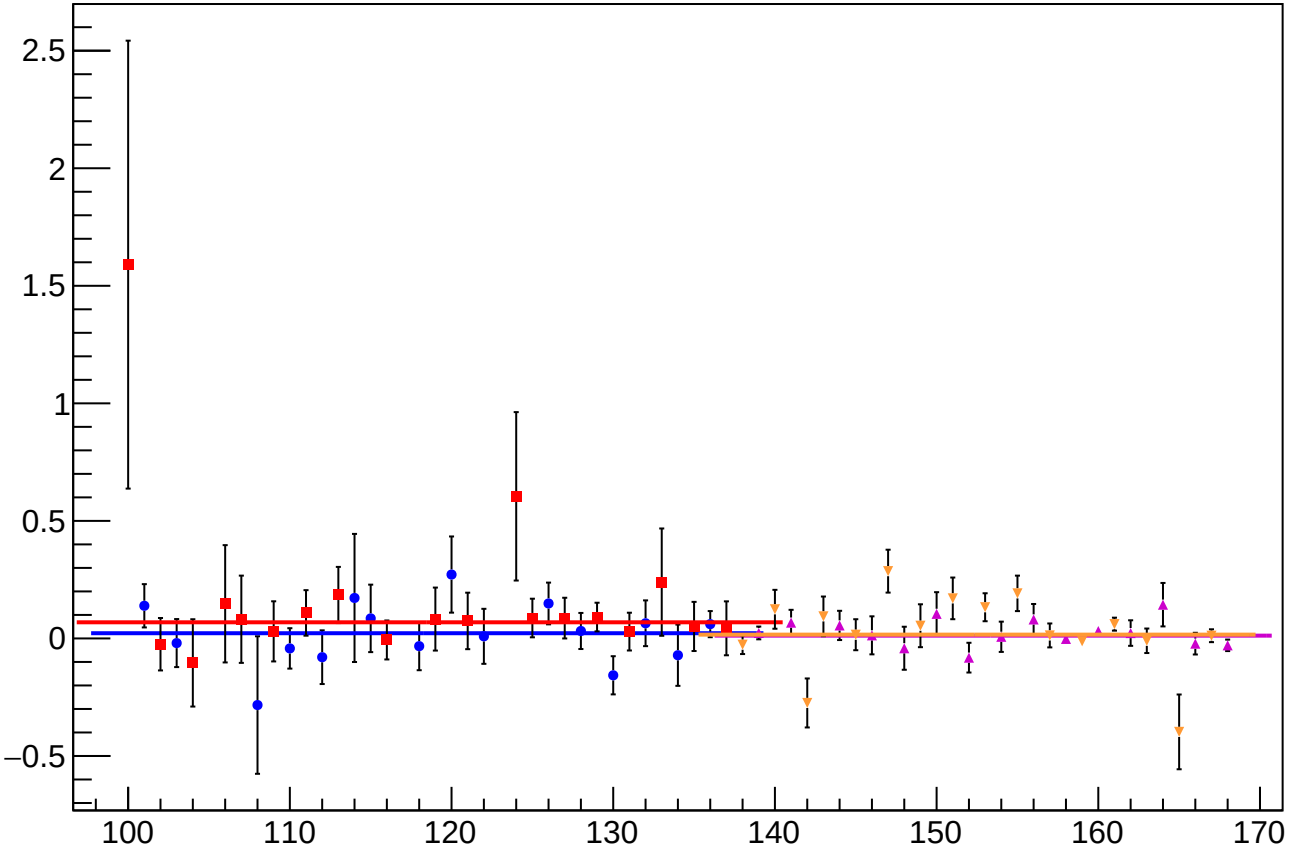
Left In: 0.000+/-0.000 χ^2/NDF:1791398.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 4245886.6/31

All: 0.000+/-0.000 χ^2/NDF: 9464027.6/65

- sign 0.000+/-0.000 χ^2/NDF: 5216257.6/33

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.016+/-0.010 χ^2/NDF:45.7/15

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

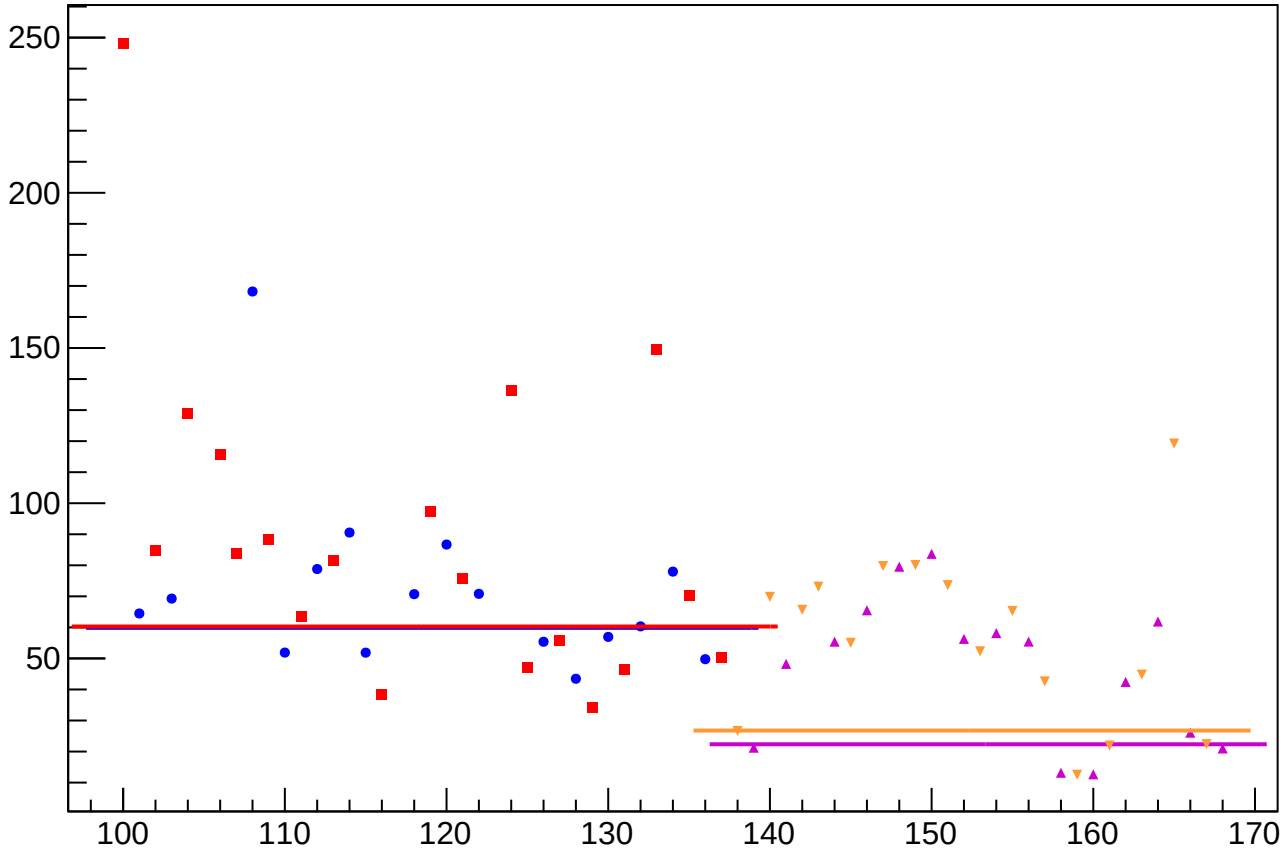
Left In: 0.012+/-0.009 χ^2/NDF:14.0/14

+ sign 0.017+/-0.009 χ^2/NDF: 61.2/31

All: 0.018+/-0.006 χ^2/NDF: 89.4/65

- sign 0.018+/-0.008 χ^2/NDF: 28.1/33

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.766+/-0.007 χ^2/NDF:7520779.0/15

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

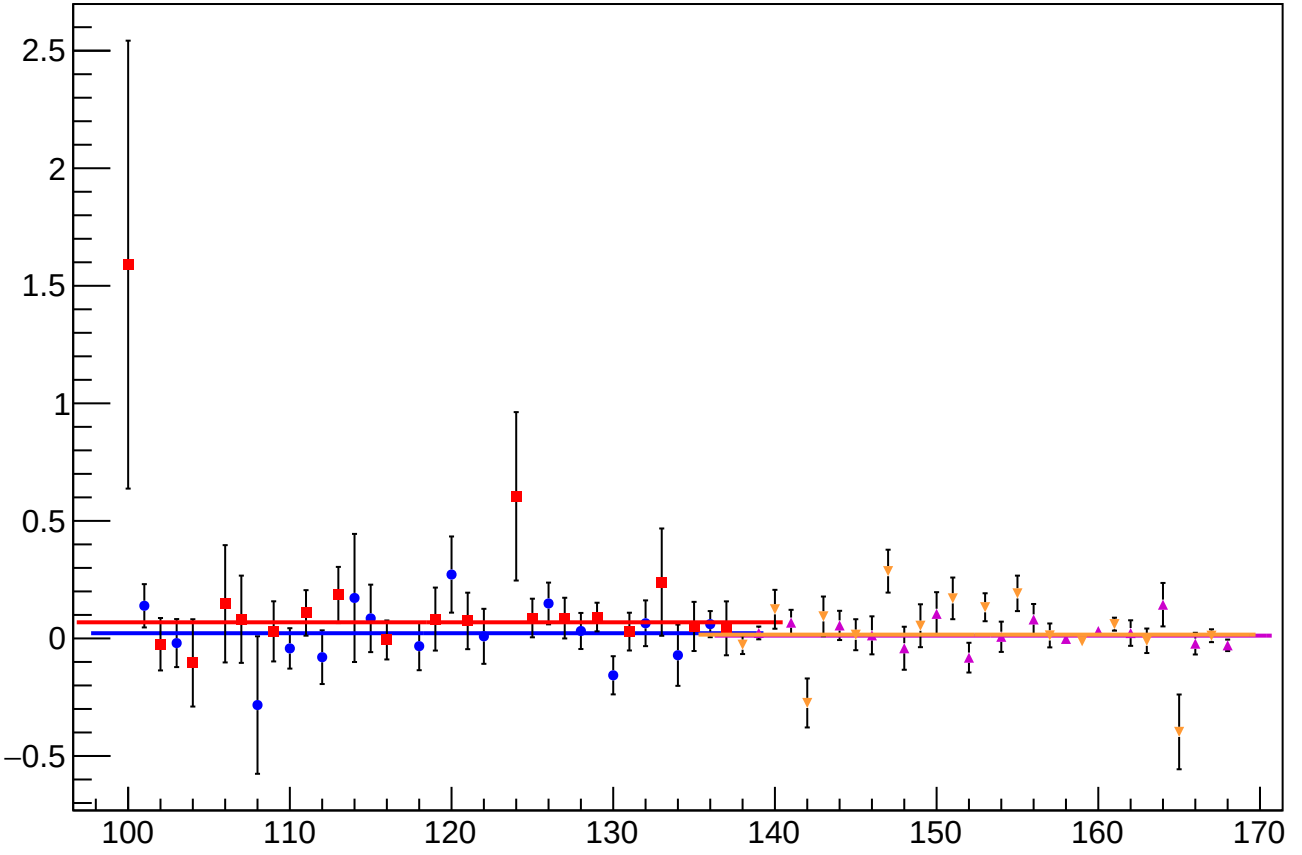
Left In: 22.344+/-0.006 χ^2/NDF:6984383.5/14

+ sign 31.560+/-0.007 χ^2/NDF: 11297797.3/31

All: 28.593+/-0.004 χ^2/NDF: 24641924.6/65

- sign 26.332+/-0.006 χ^2/NDF: 12992199.0/33

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.016+/-0.010 χ^2/NDF:45.7/15

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

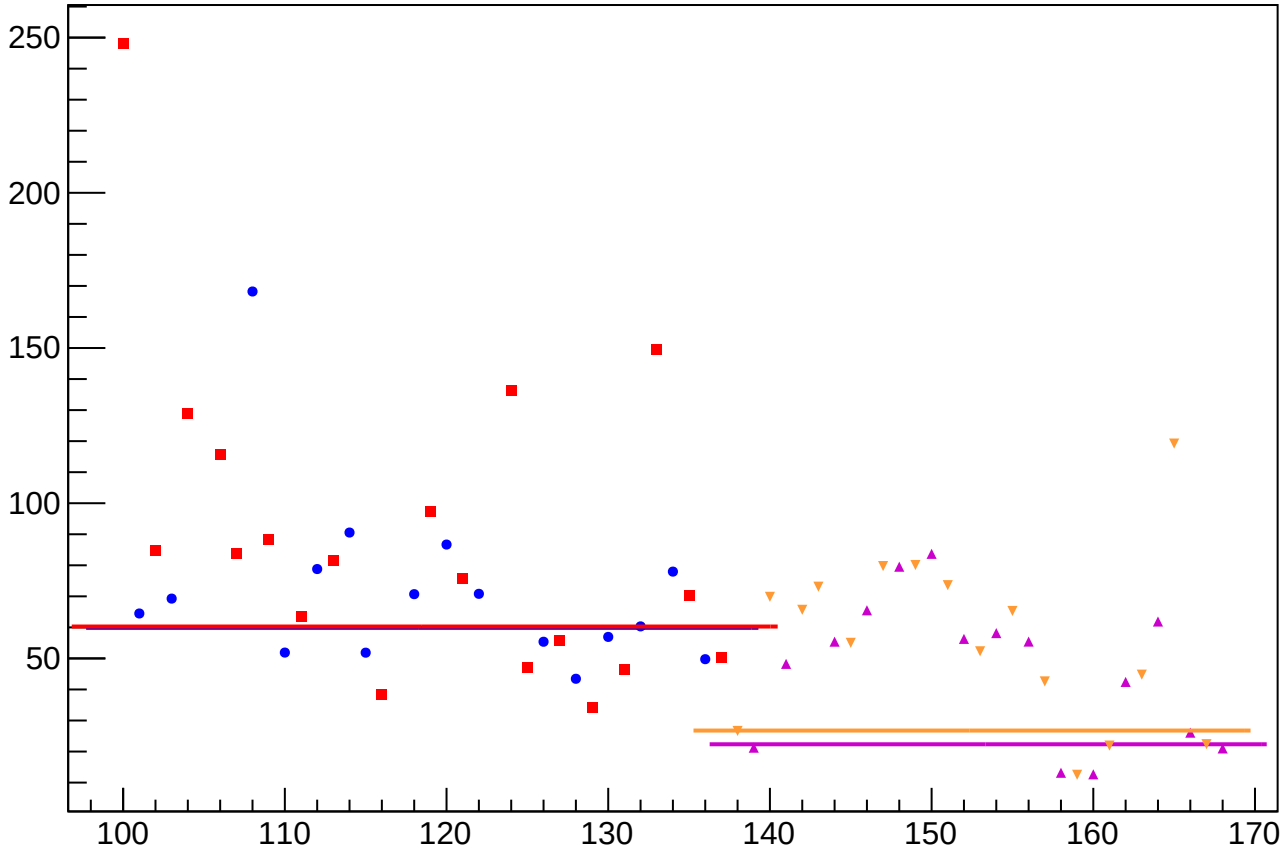
Left In: 0.012+/-0.009 χ^2/NDF:14.0/14

+ sign 0.017+/-0.009 χ^2/NDF: 61.2/31

All: 0.018+/-0.006 χ^2/NDF: 89.4/65

- sign 0.018+/-0.008 χ^2/NDF: 28.1/33

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.766+/-0.007 χ^2/NDF:7520779.0/15

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

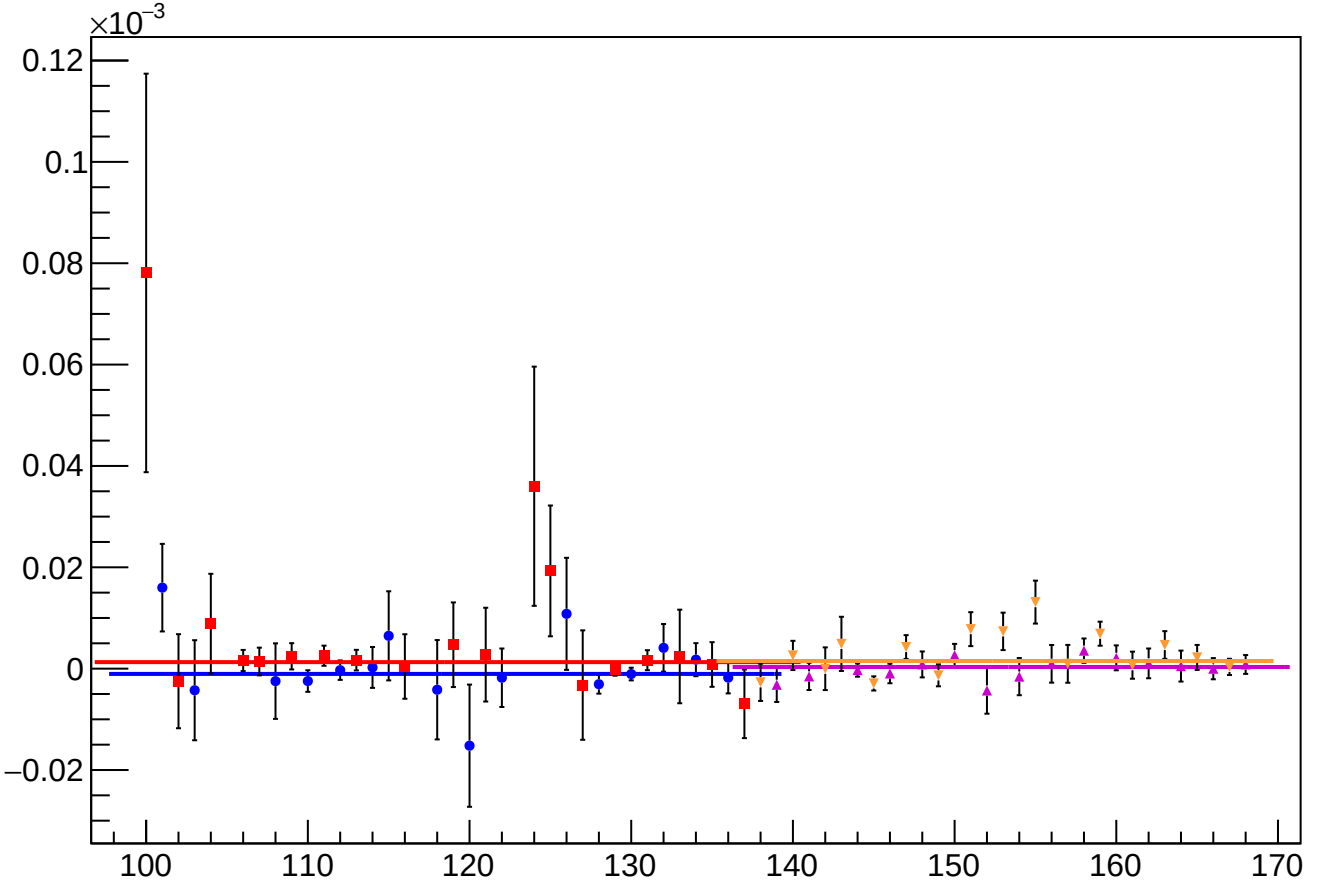
Left In: 22.344+/-0.006 χ^2/NDF:6984383.5/14

+ sign 31.560+/-0.007 χ^2/NDF: 11297797.3/31

All: 28.593+/-0.004 χ^2/NDF: 24641924.6/65

- sign 26.332+/-0.006 χ^2/NDF: 12992199.0/33

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:35.9/15

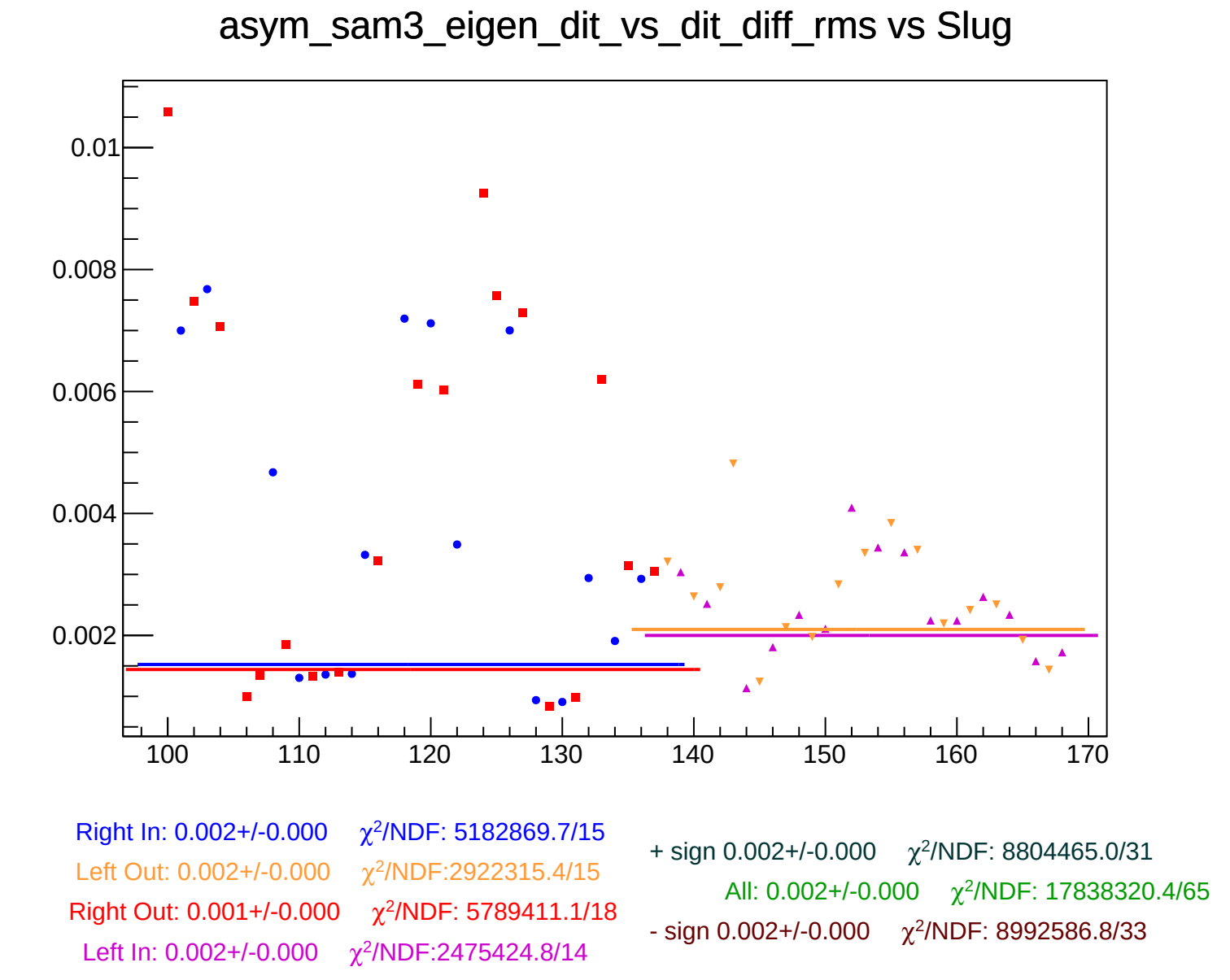
Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:7.2/14

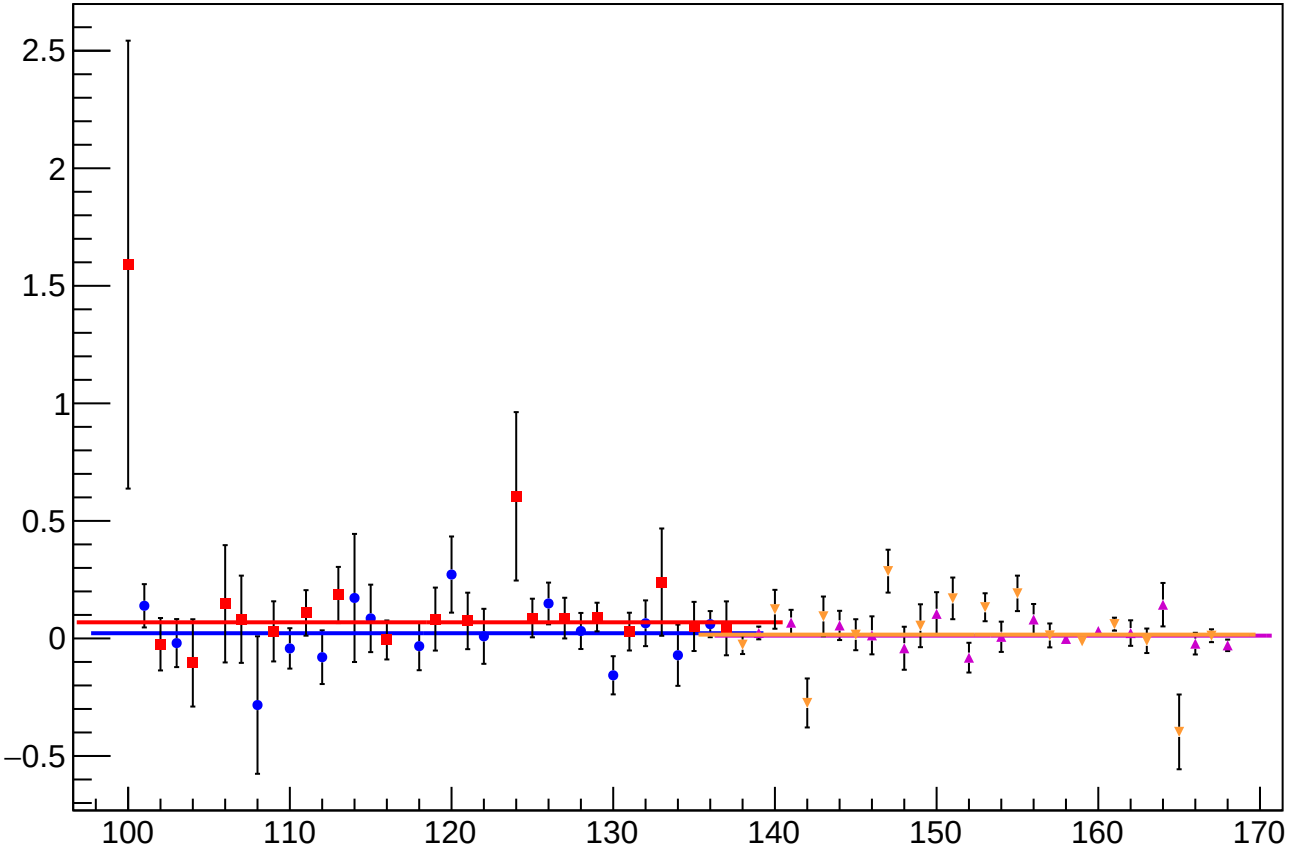
+ sign 0.000+/-0.000 χ^2/NDF: 54.0/31

All: 0.000+/-0.000 χ^2/NDF: 74.9/65

- sign 0.000+/-0.000 χ^2/NDF: 20.7/33


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:2922315.4/15
Right Out: 0.001+/-0.000 χ²/NDF: 5789411.1/18
Left In: 0.002+/-0.000 χ²/NDF:2475424.8/14
+ sign 0.002+/-0.000 χ²/NDF: 8804465.0/31
All: 0.002+/-0.000 χ²/NDF: 17838320.4/65
- sign 0.002+/-0.000 χ²/NDF: 8992586.8/33

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.016+/-0.010 χ^2/NDF:45.7/15

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

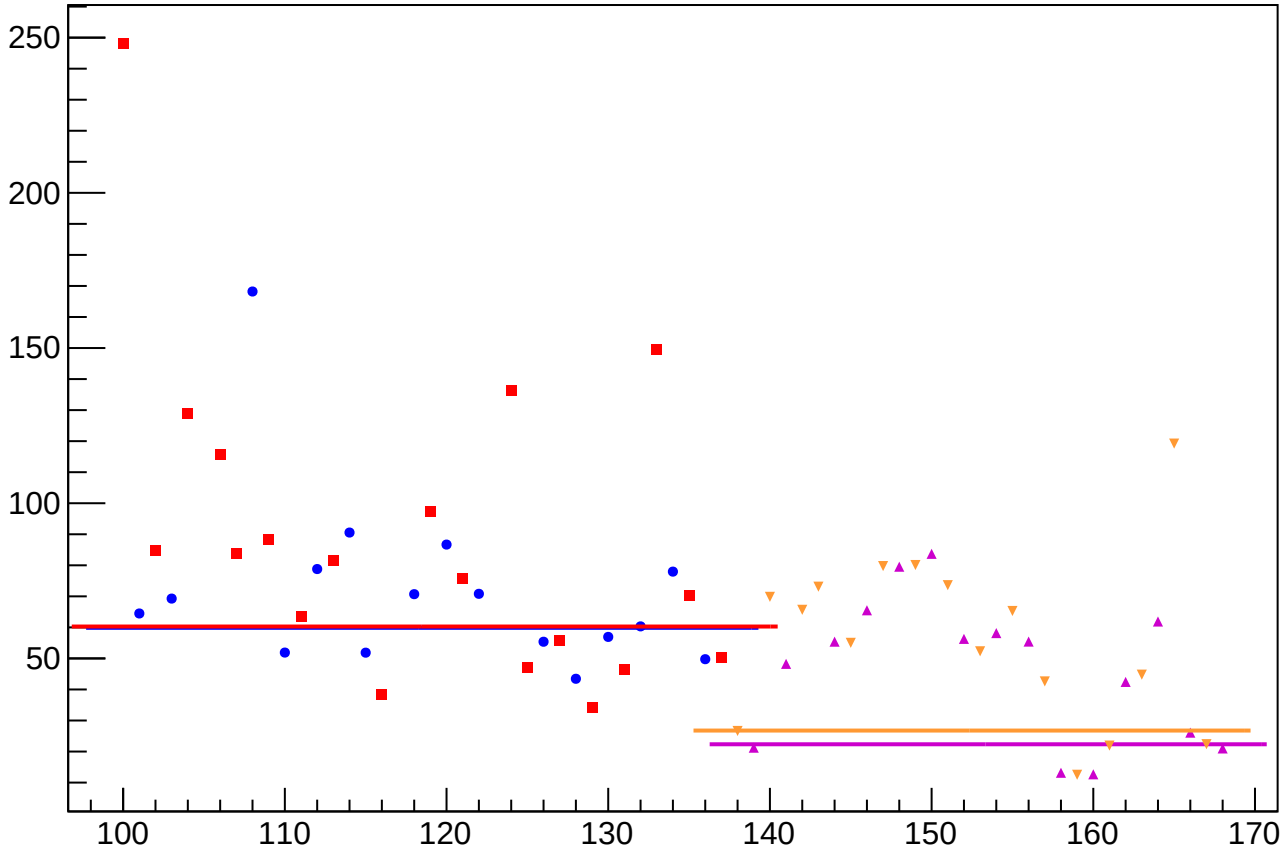
Left In: 0.012+/-0.009 χ^2/NDF:14.0/14

+ sign 0.017+/-0.009 χ^2/NDF: 61.2/31

All: 0.018+/-0.006 χ^2/NDF: 89.4/65

- sign 0.018+/-0.008 χ^2/NDF: 28.1/33

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.765+/-0.007 χ^2/NDF:7521720.5/15

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

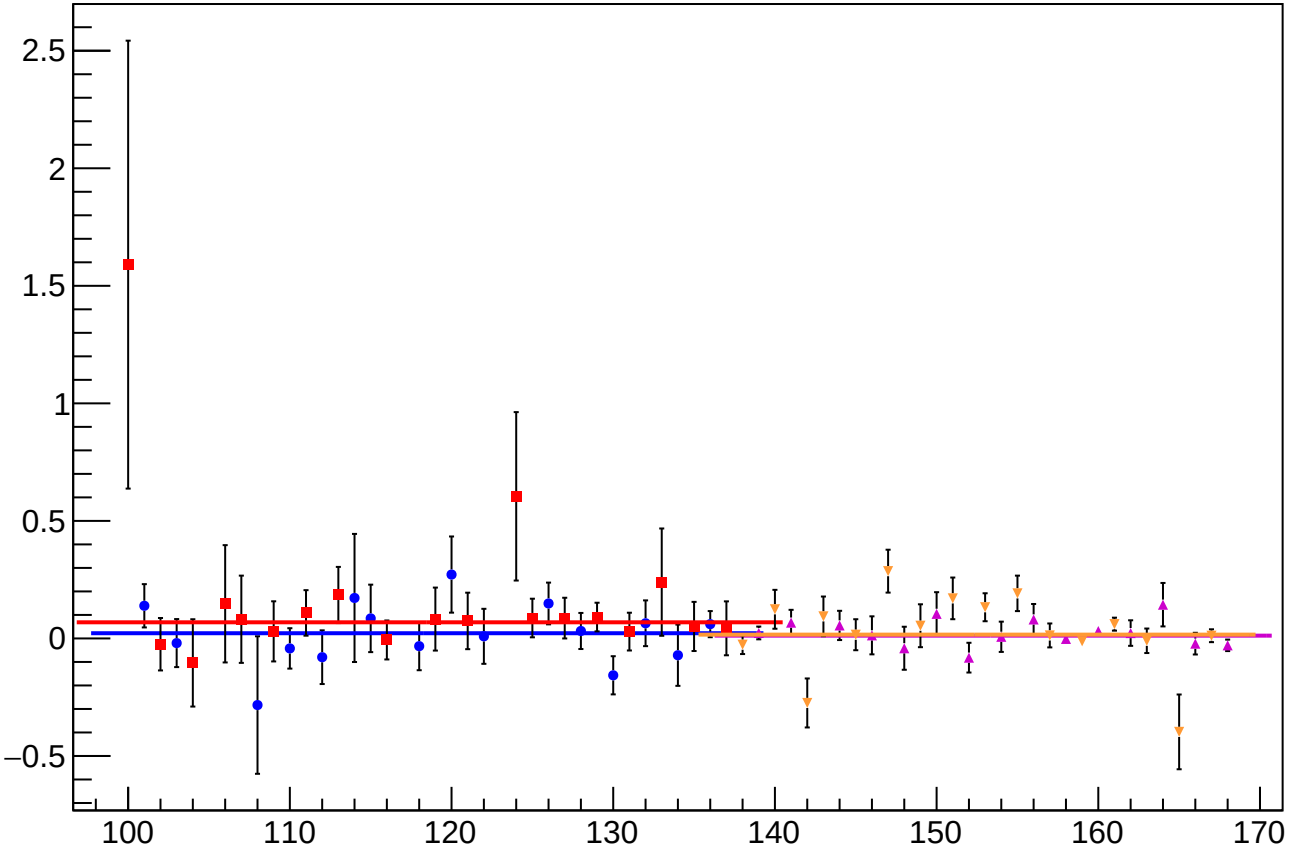
Left In: 22.344+/-0.006 χ^2/NDF:6984749.7/14

+ sign 31.558+/-0.007 χ^2/NDF: 11299236.1/31

All: 28.592+/-0.004 χ^2/NDF: 24643752.8/65

- sign 26.331+/-0.006 χ^2/NDF: 12992759.8/33

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: 0.016+/-0.010 χ^2/NDF:45.7/15

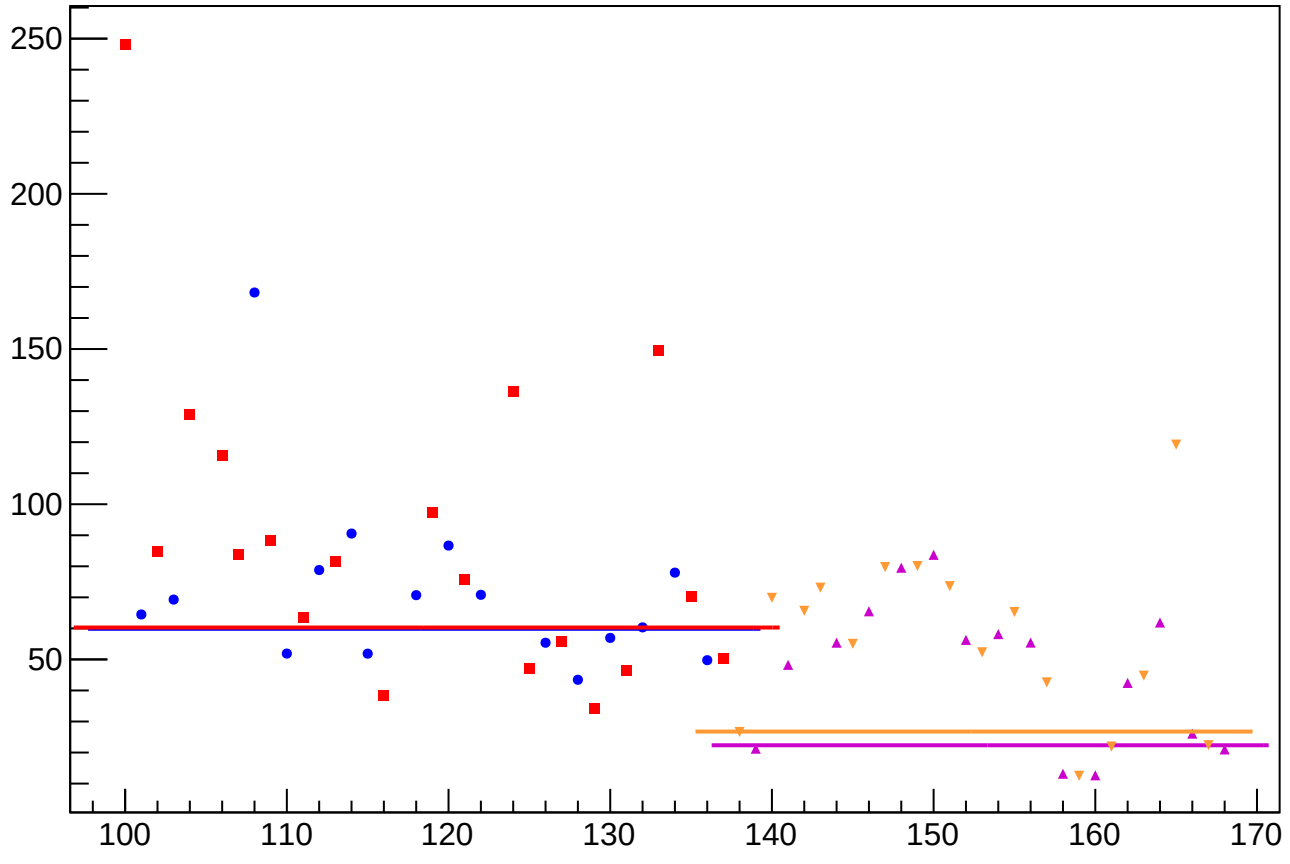
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.012+/-0.009 χ^2/NDF:14.0/14

+ sign 0.017+/-0.009 χ^2/NDF: 61.2/31

All: 0.018+/-0.006 χ^2/NDF: 89.4/65

- sign 0.018+/-0.008 χ^2/NDF: 28.1/33



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.765+/-0.007 χ^2/NDF:7521720.5/15

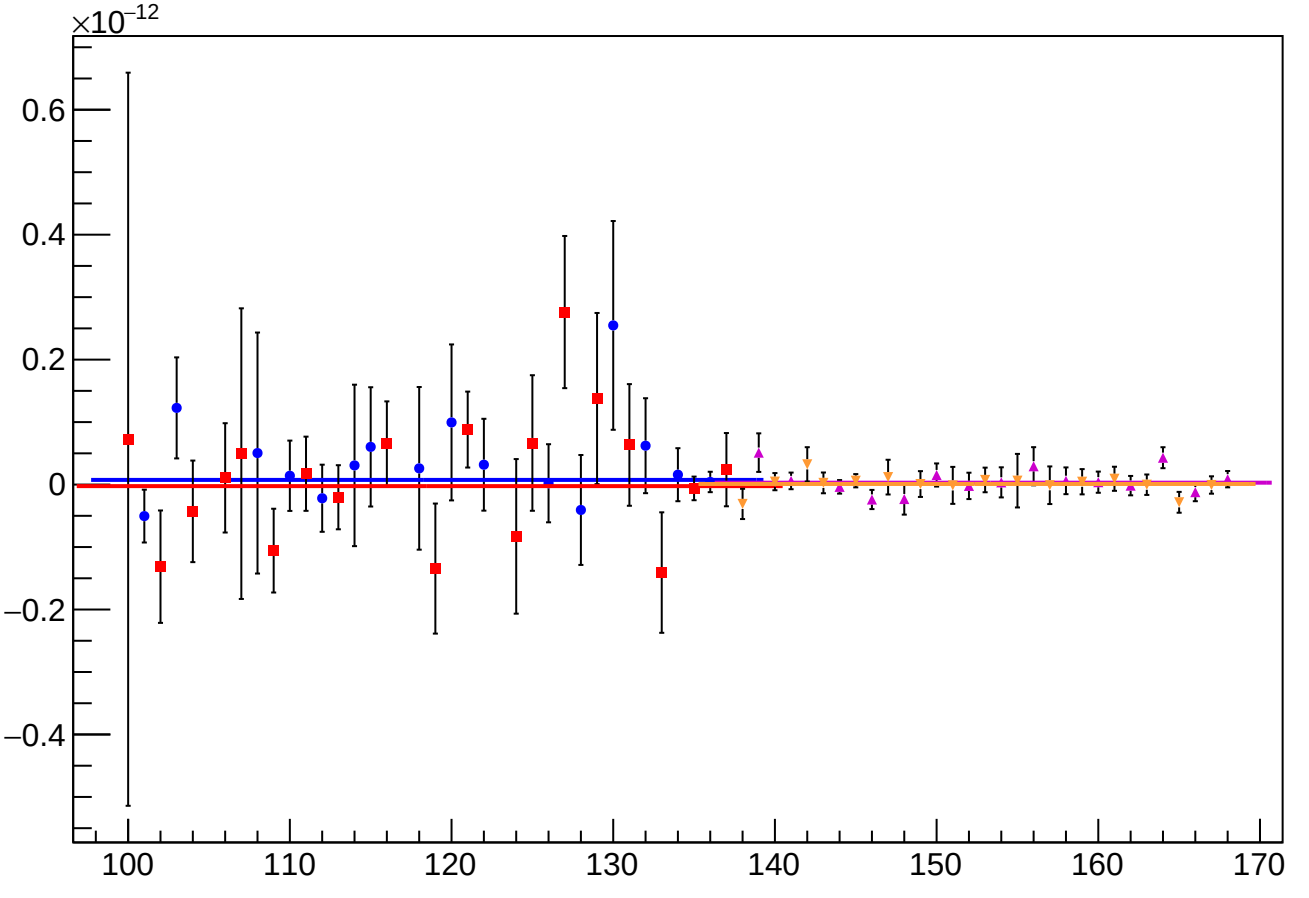
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 22.344+/-0.006 χ^2/NDF:6984749.7/14

+ sign 31.558+/-0.007 χ^2/NDF: 11299236.1/31

All: 28.592+/-0.004 χ^2/NDF: 24643752.8/65

- sign 26.331+/-0.006 χ^2/NDF: 12992759.8/33



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

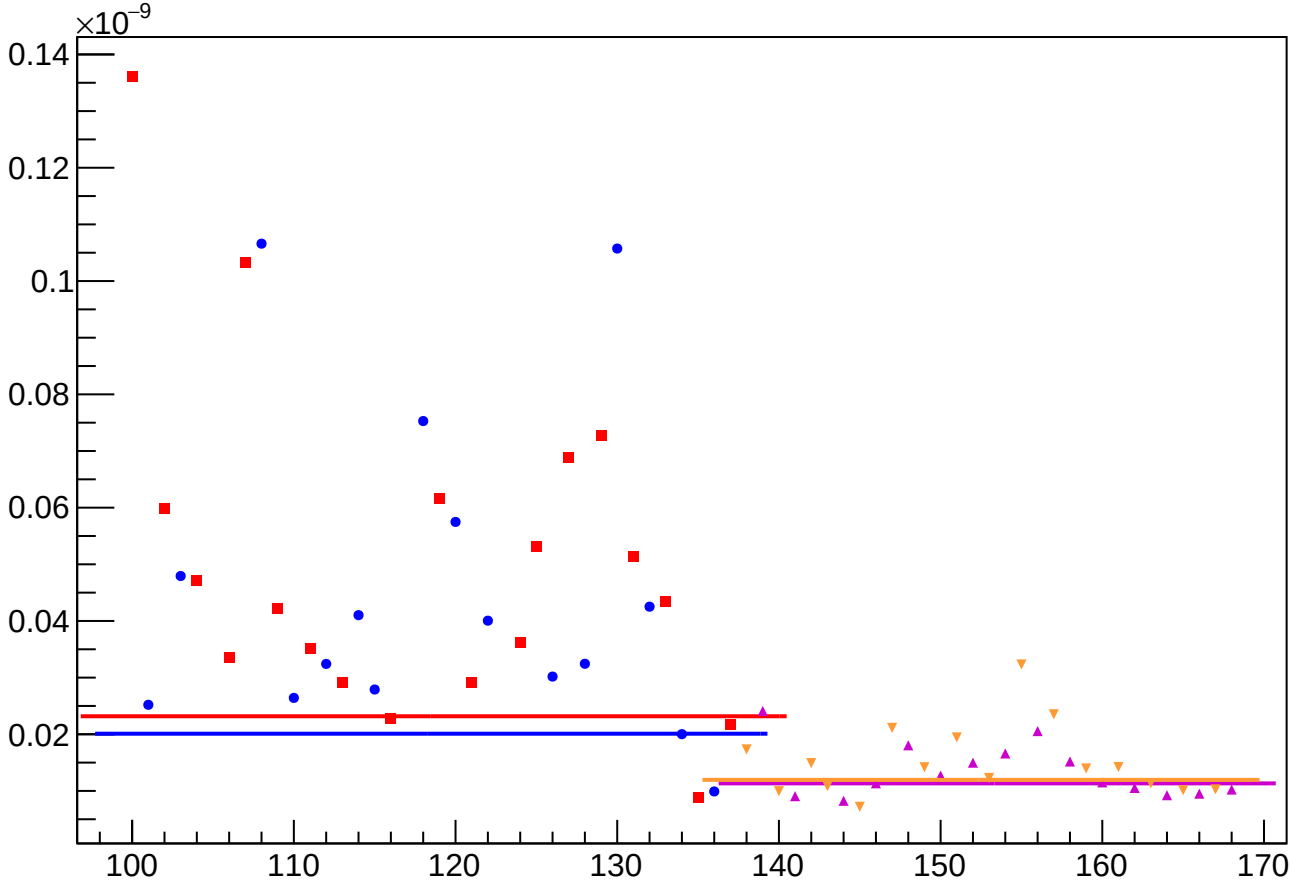
Left In: 0.000+/-0.000 χ^2/NDF:15.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 15.6/31

All: 0.000+/-0.000 χ^2/NDF: 50.8/65

- sign 0.000+/-0.000 χ^2/NDF: 35.1/33

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:1793655.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

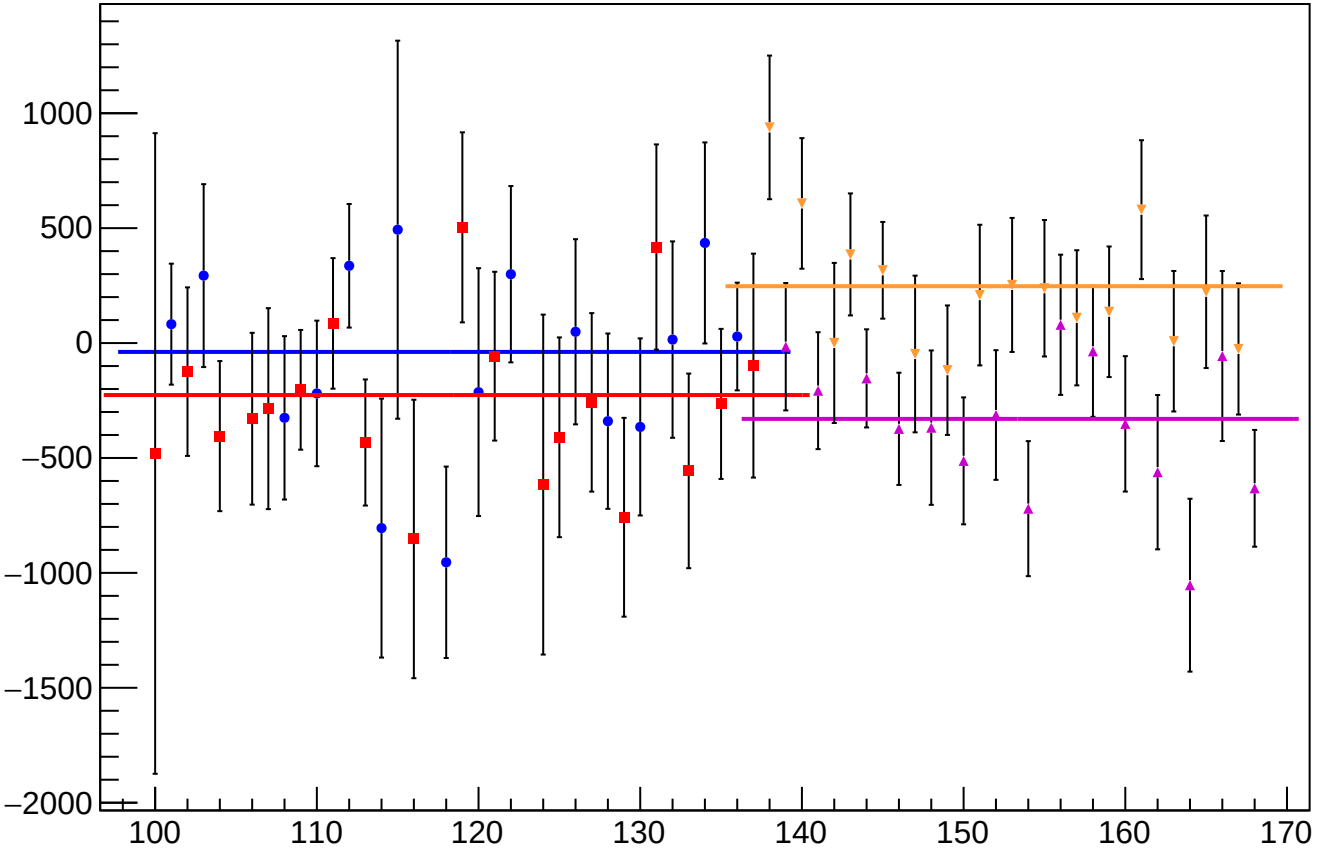
Left In: 0.000+/-0.000 χ^2/NDF:1203361.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 5701823.8/31

All: 0.000+/-0.000 χ^2/NDF: 11843165.8/65

- sign 0.000+/-0.000 χ^2/NDF: 6125322.8/33

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 247.292+/-72.623 χ^2/NDF:12.9/15

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

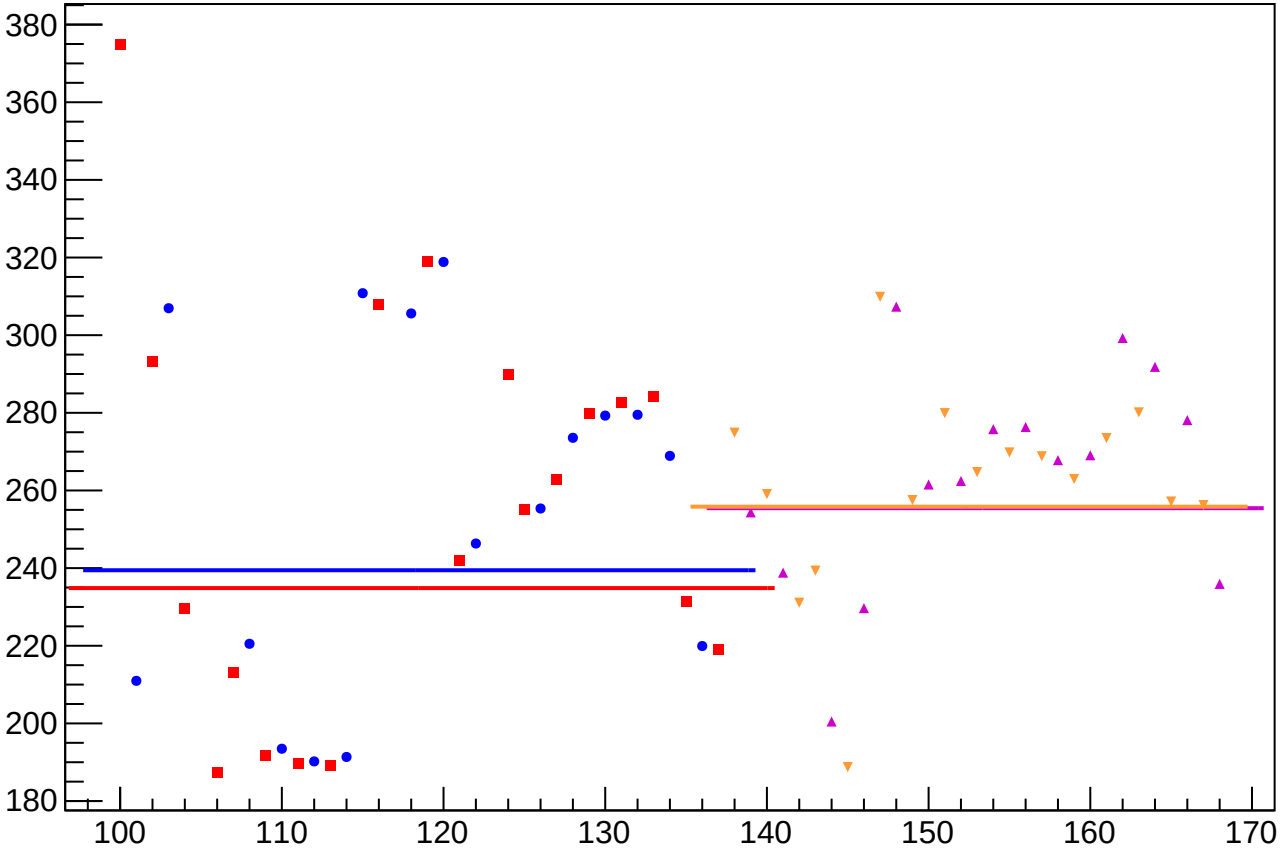
Left In: -329.968+/-73.199 χ^2/NDF:13.5/14

+ sign 135.524+/-56.670 χ^2/NDF: 33.5/31

All: -77.539+/-39.923 χ^2/NDF: 87.2/65

- sign -287.466+/-56.251 χ^2/NDF: 25.7/33

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 255.827+/-0.051 χ^2/NDF:322364.2/15

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

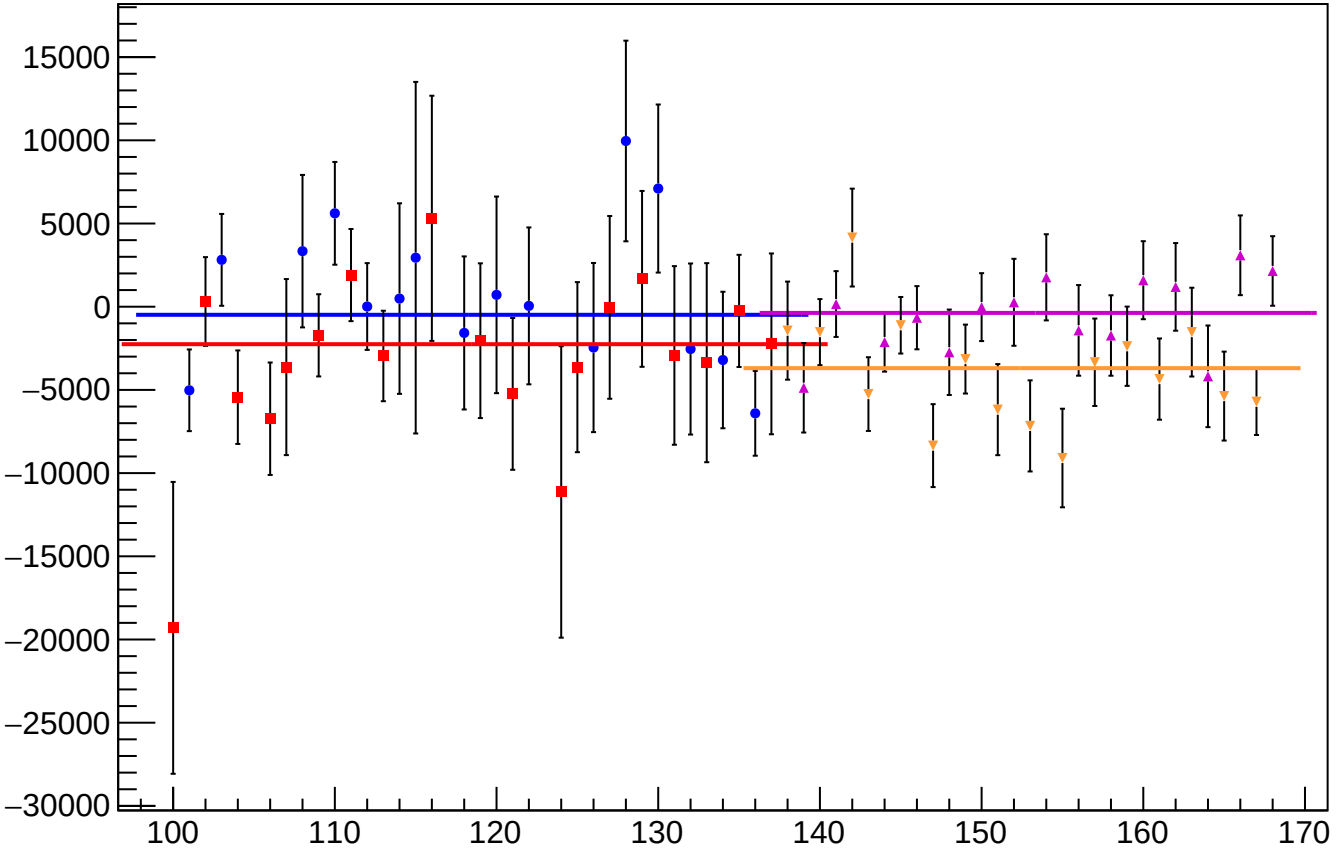
Left In: 255.436+/-0.052 χ^2/NDF:312434.3/14

+ sign 249.422+/-0.040 χ^2/NDF: 763100.5/31

All: 248.206+/-0.028 χ^2/NDF: 1623819.8/65

- sign 247.009+/-0.040 χ^2/NDF: 858893.1/33

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3693.897+/-594.559 χ^2/NDF:23.5/15

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

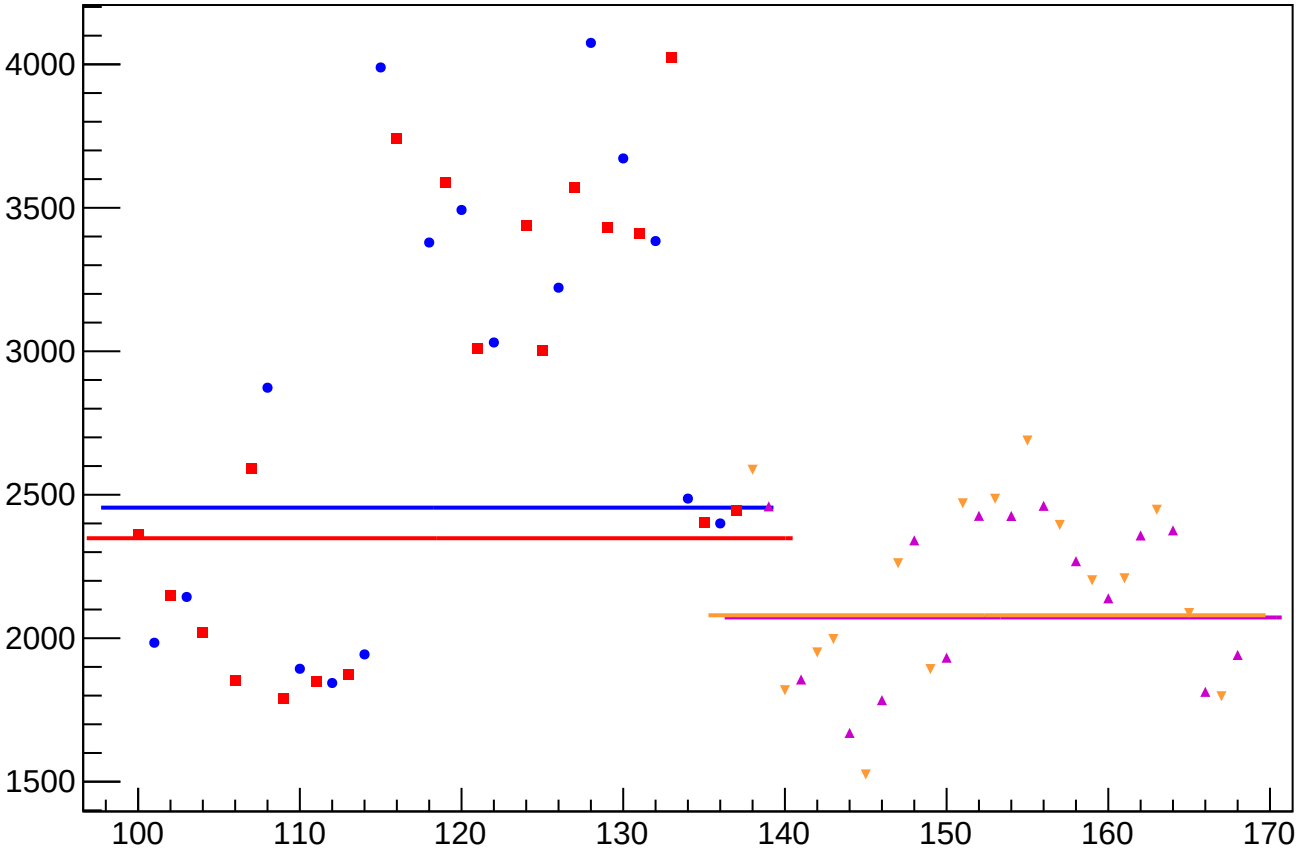
Left In: -372.028+/-595.812 χ^2/NDF:12.1/14

+ sign -2787.539+/-503.611 χ^2/NDF: 52.8/31

All: -1854.472+/-353.321 χ^2/NDF: 88.6/65

- sign -950.043+/-495.823 χ^2/NDF: 29.0/33

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2080.008+/-0.420 χ^2/NDF:627107.3/15

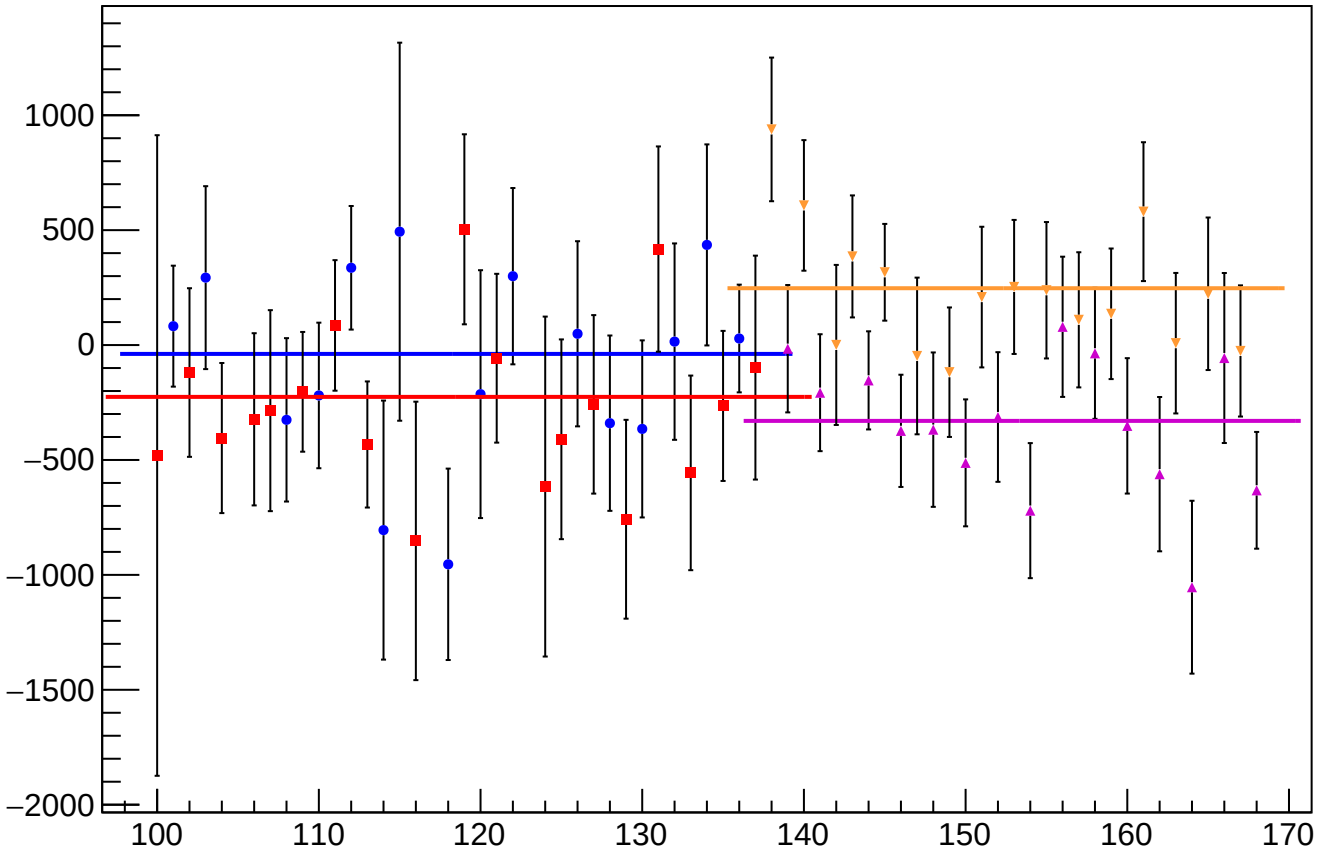
Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2072.282+/-0.421 χ^2/NDF:449228.7/14

+ sign 2185.985+/-0.356 χ^2/NDF: 1746398.1/31

All: 2171.366+/-0.250 χ^2/NDF: 3383483.8/65

- sign 2157.196+/-0.351 χ^2/NDF: 1633766.9/33



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 247.303+/-72.623 χ^2/NDF:12.9/15

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

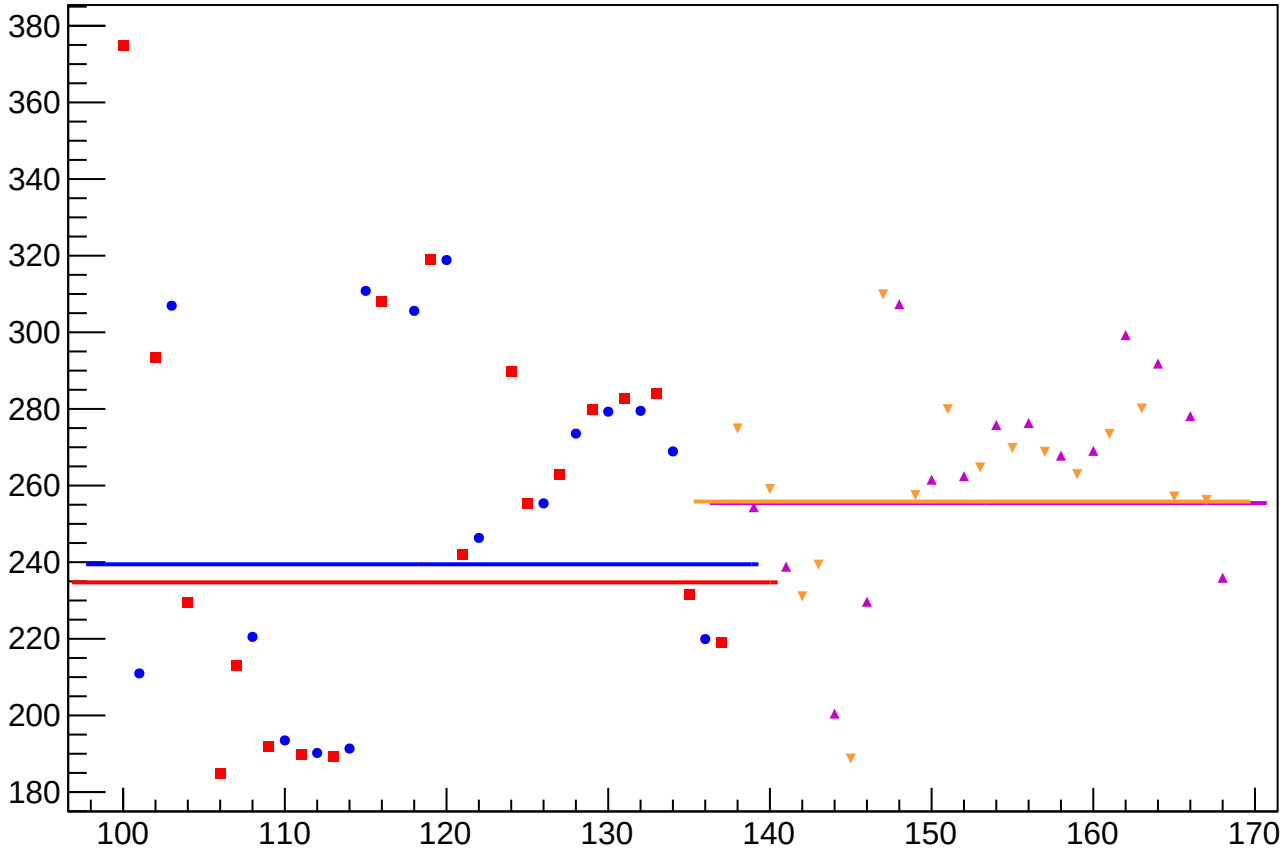
Left In: -329.971+/-73.199 χ^2/NDF:13.5/14

+ sign 135.523+/-56.670 χ^2/NDF: 33.5/31

All: -77.397+/-39.924 χ^2/NDF: 87.2/65

- sign -287.209+/-56.255 χ^2/NDF: 25.7/33

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.827+/-0.051 χ^2/NDF:322364.2/15

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

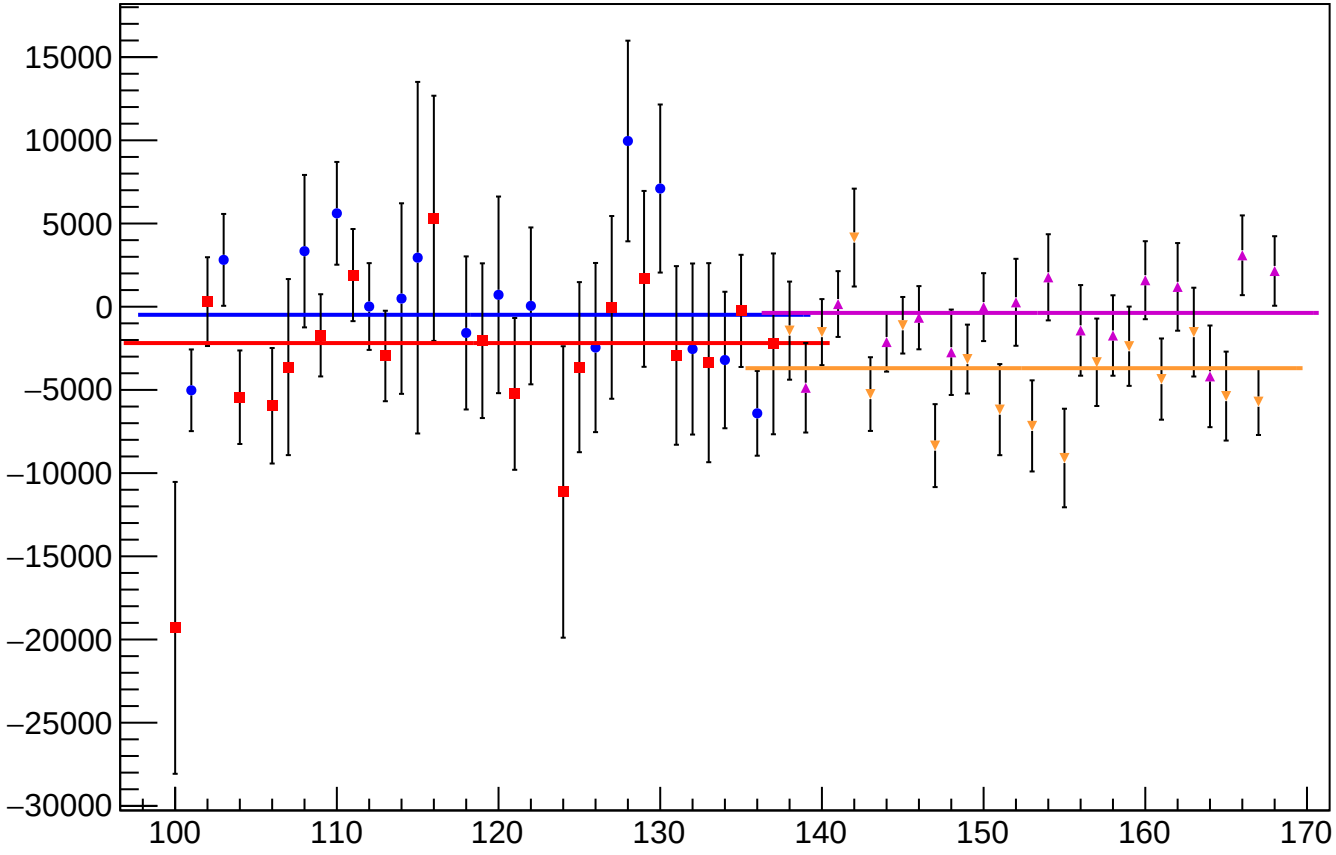
Left In: 255.436+/-0.052 χ^2/NDF:312434.3/14

\+ sign 249.422+/-0.040 χ^2/NDF: 763102.6/31

All: 248.182+/-0.028 χ^2/NDF: 1628174.7/65

\- sign 246.961+/-0.040 χ^2/NDF: 863172.2/33

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3693.880+/-594.559 χ^2/NDF:23.5/15

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

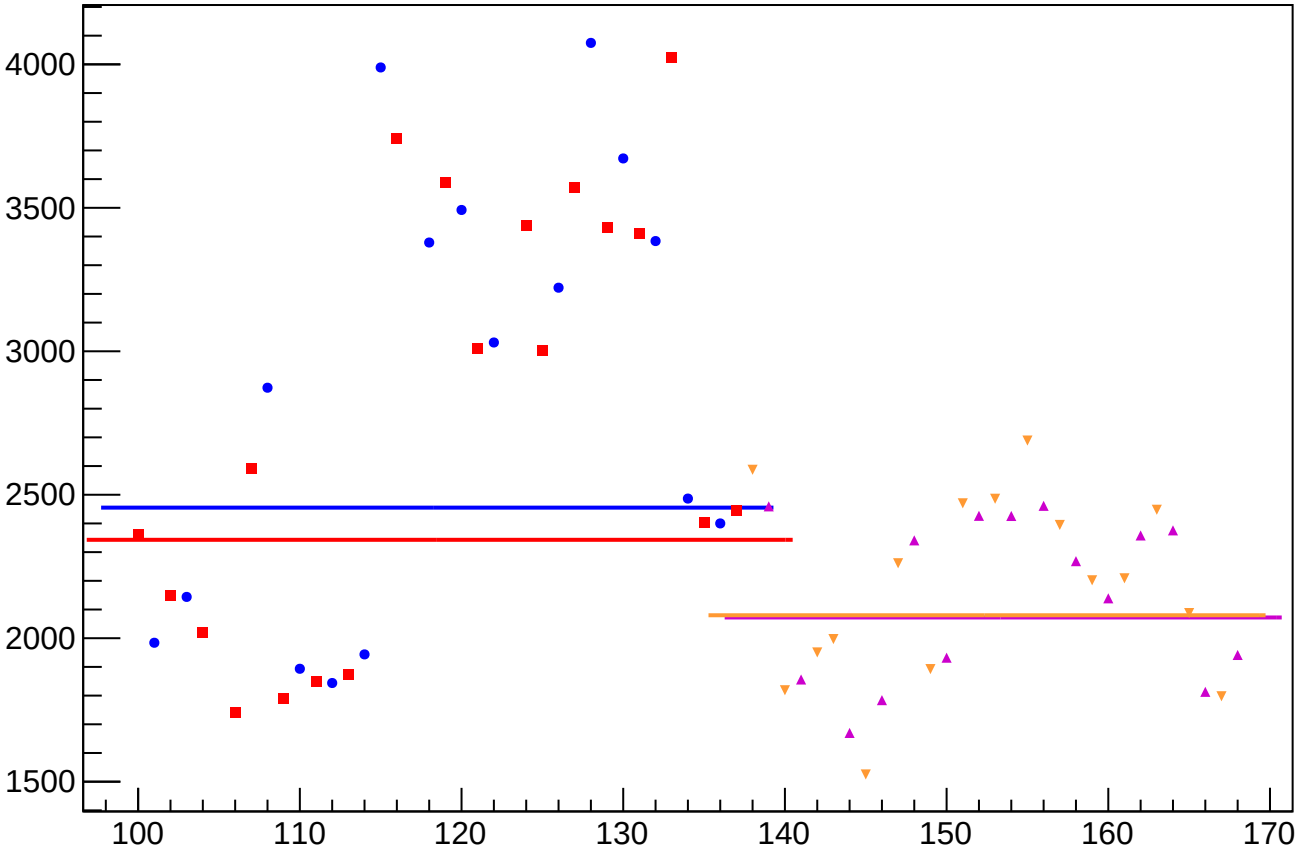
Left In: -372.049+/-595.812 χ^2/NDF:12.1/14

+ sign -2787.587+/-503.613 χ^2/NDF: 52.8/31

All: -1843.829+/-353.426 χ^2/NDF: 87.9/65

- sign -927.979+/-496.111 χ^2/NDF: 28.2/33

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2080.008+/-0.420 χ^2/NDF:627109.6/15

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

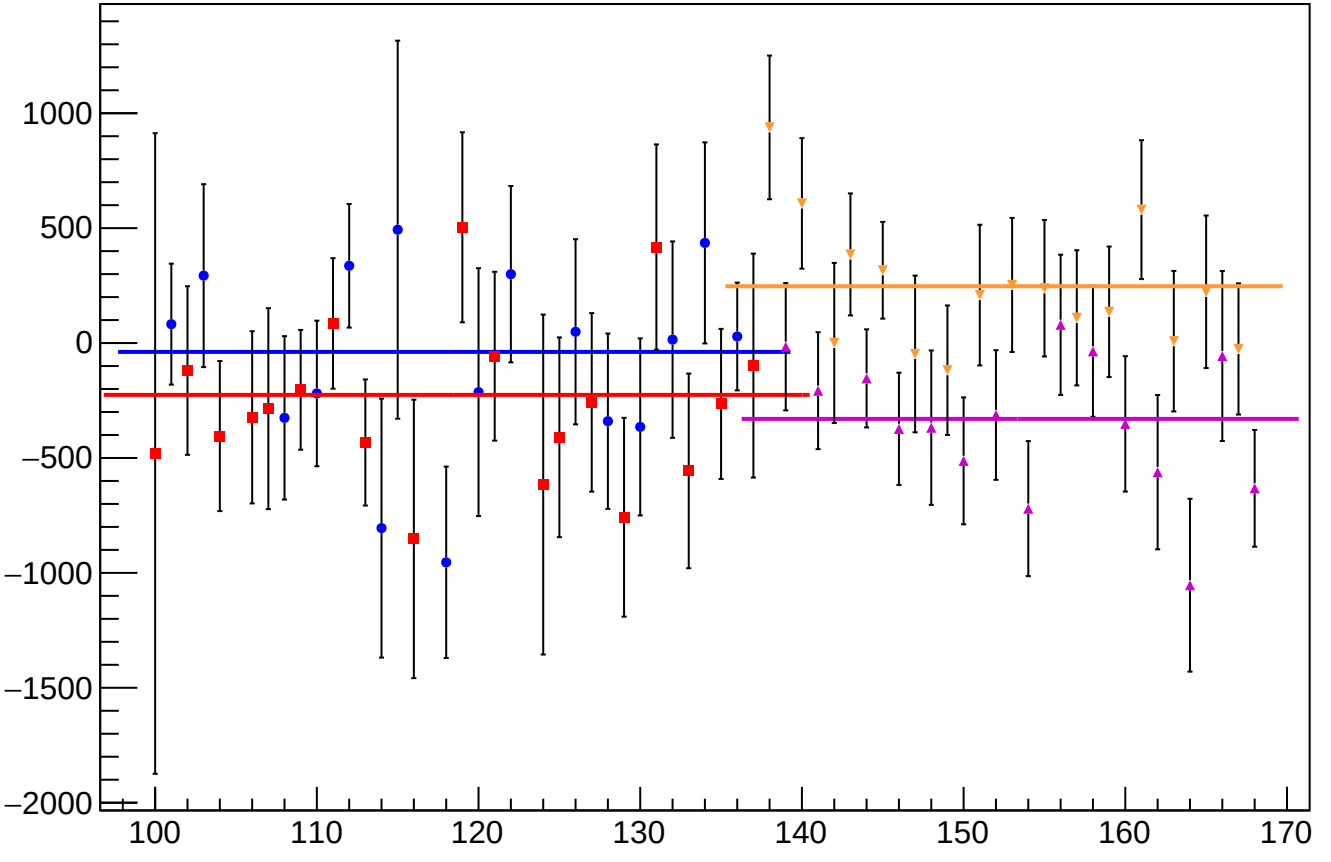
Left In: 2072.283+/-0.421 χ^2/NDF:449226.4/14

+ sign 2185.990+/-0.356 χ^2/NDF: 1746396.4/31

All: 2170.410+/-0.250 χ^2/NDF: 3396364.6/65

- sign 2155.291+/-0.351 χ^2/NDF: 1646196.4/33

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 247.303+/-72.623 χ^2/NDF:12.9/15

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

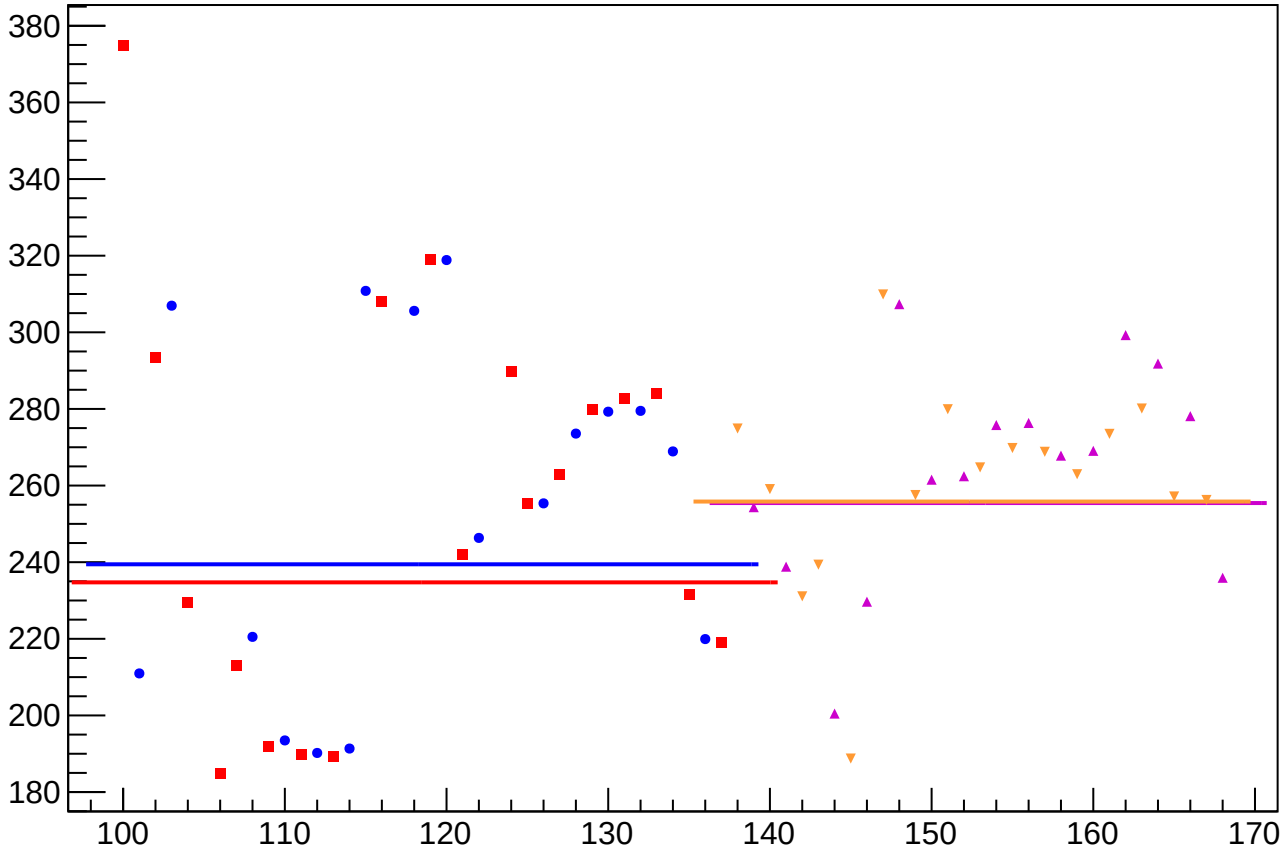
Left In: -329.971+/-73.199 χ^2/NDF:13.5/14

+ sign 135.523+/-56.670 χ^2/NDF: 33.5/31

All: -77.397+/-39.924 χ^2/NDF: 87.2/65

- sign -287.209+/-56.255 χ^2/NDF: 25.7/33

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.827+/-0.051 χ^2/NDF:322364.2/15

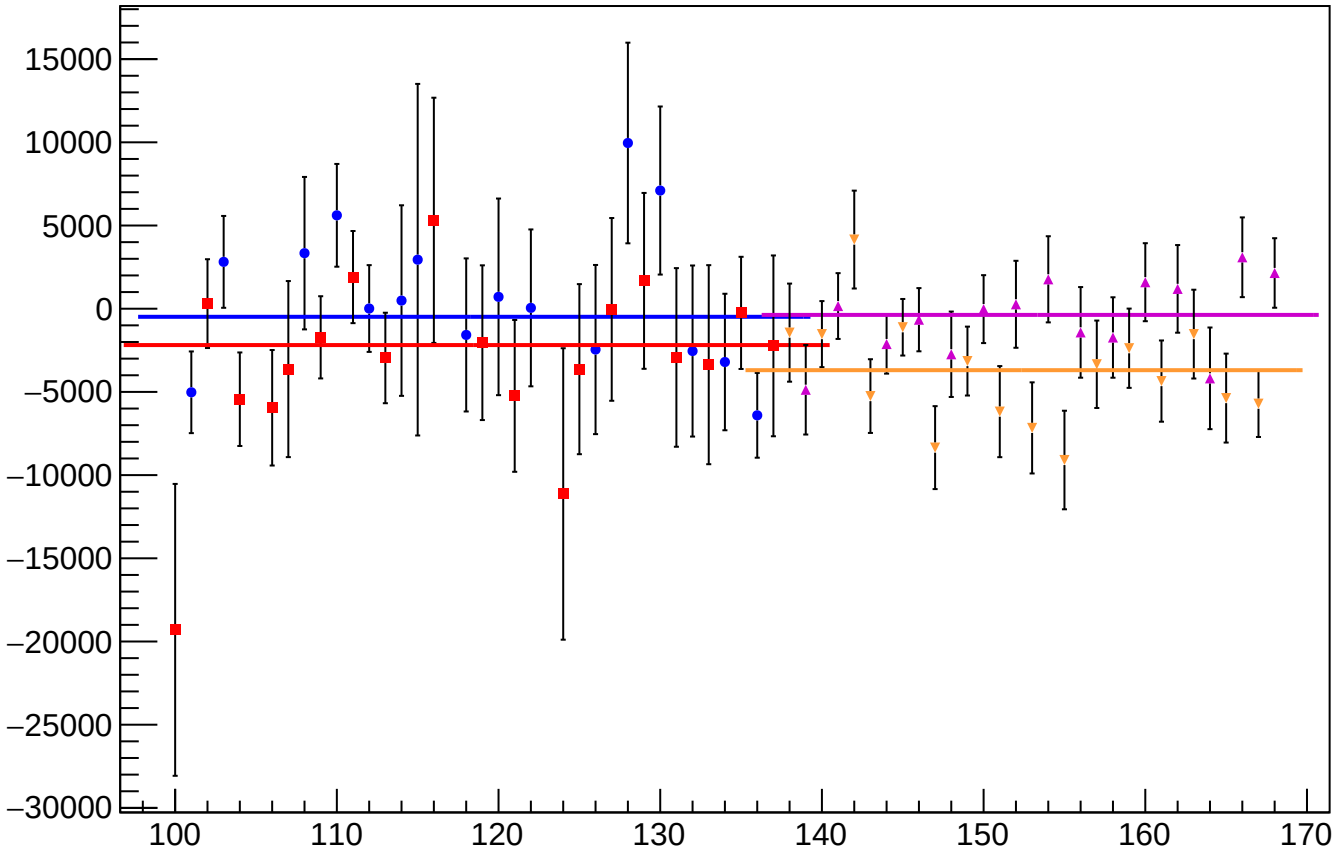
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 255.436+/-0.052 χ^2/NDF:312434.3/14

+ sign 249.422+/-0.040 χ^2/NDF: 763102.6/31

All: 248.182+/-0.028 χ^2/NDF: 1628174.7/65

- sign 246.961+/-0.040 χ^2/NDF: 863172.2/33



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3693.880+/-594.559 χ^2/NDF:23.5/15

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

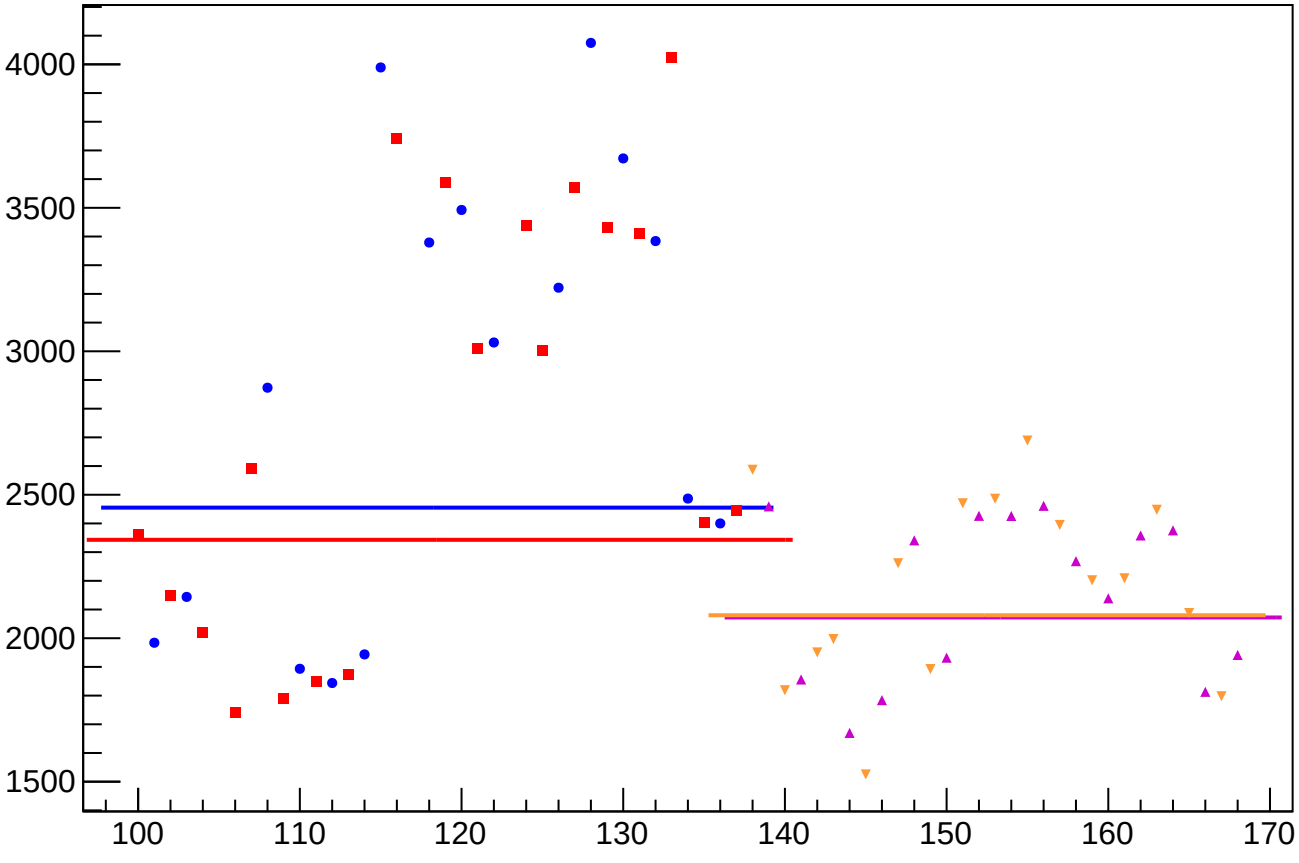
Left In: -372.049+/-595.812 χ^2/NDF:12.1/14

+ sign -2787.587+/-503.613 χ^2/NDF: 52.8/31

All: -1843.829+/-353.426 χ^2/NDF: 87.9/65

- sign -927.979+/-496.111 χ^2/NDF: 28.2/33

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2080.008+/-0.420 χ^2/NDF:627109.6/15

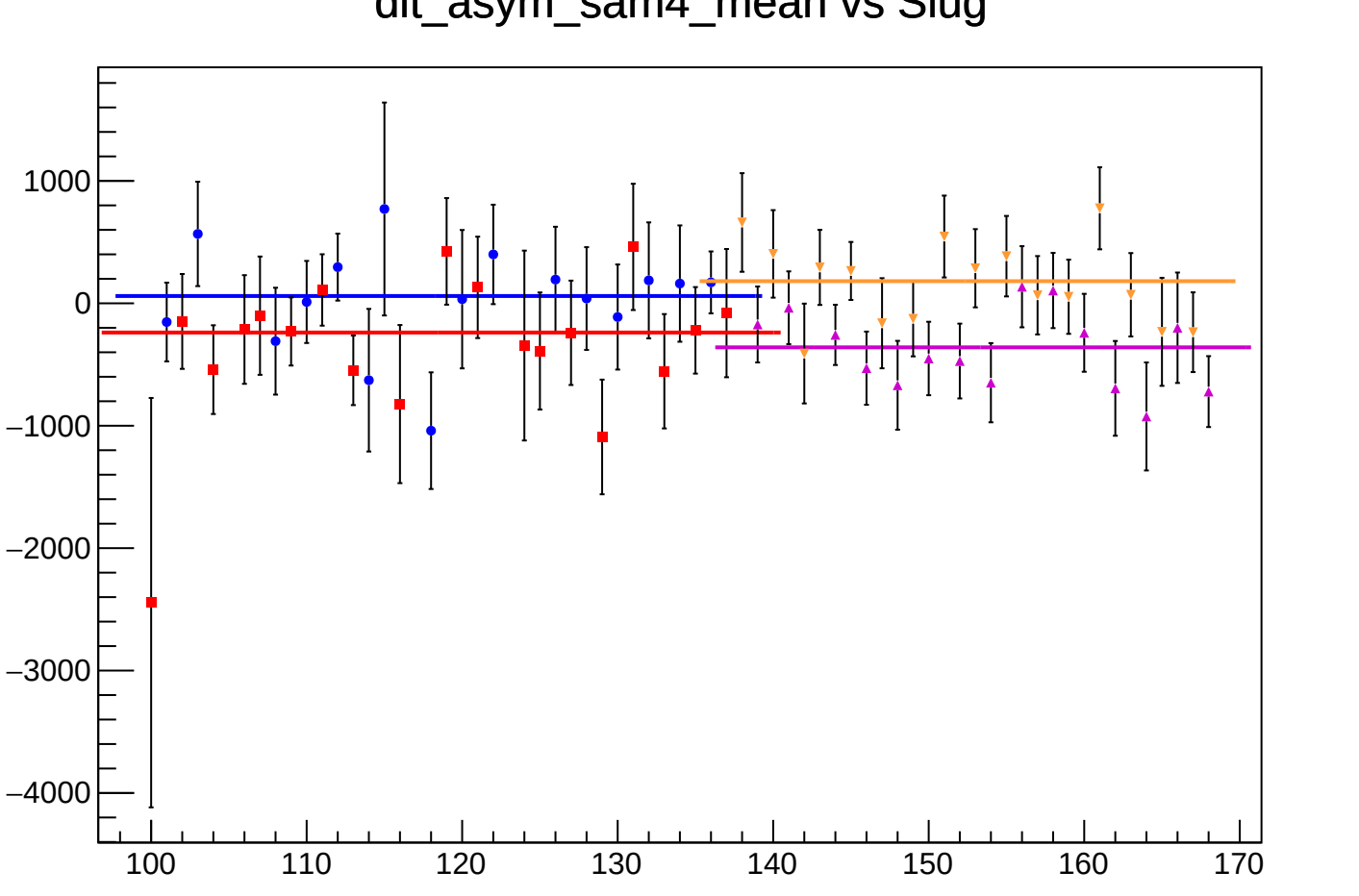
Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2072.283+/-0.421 χ^2/NDF:449226.4/14

+ sign 2185.990+/-0.356 χ^2/NDF: 1746396.4/31

All: 2170.410+/-0.250 χ^2/NDF: 3396364.6/65

- sign 2155.291+/-0.351 χ^2/NDF: 1646196.4/33



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 180.830+/-82.428 χ^2/NDF:13.8/15

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

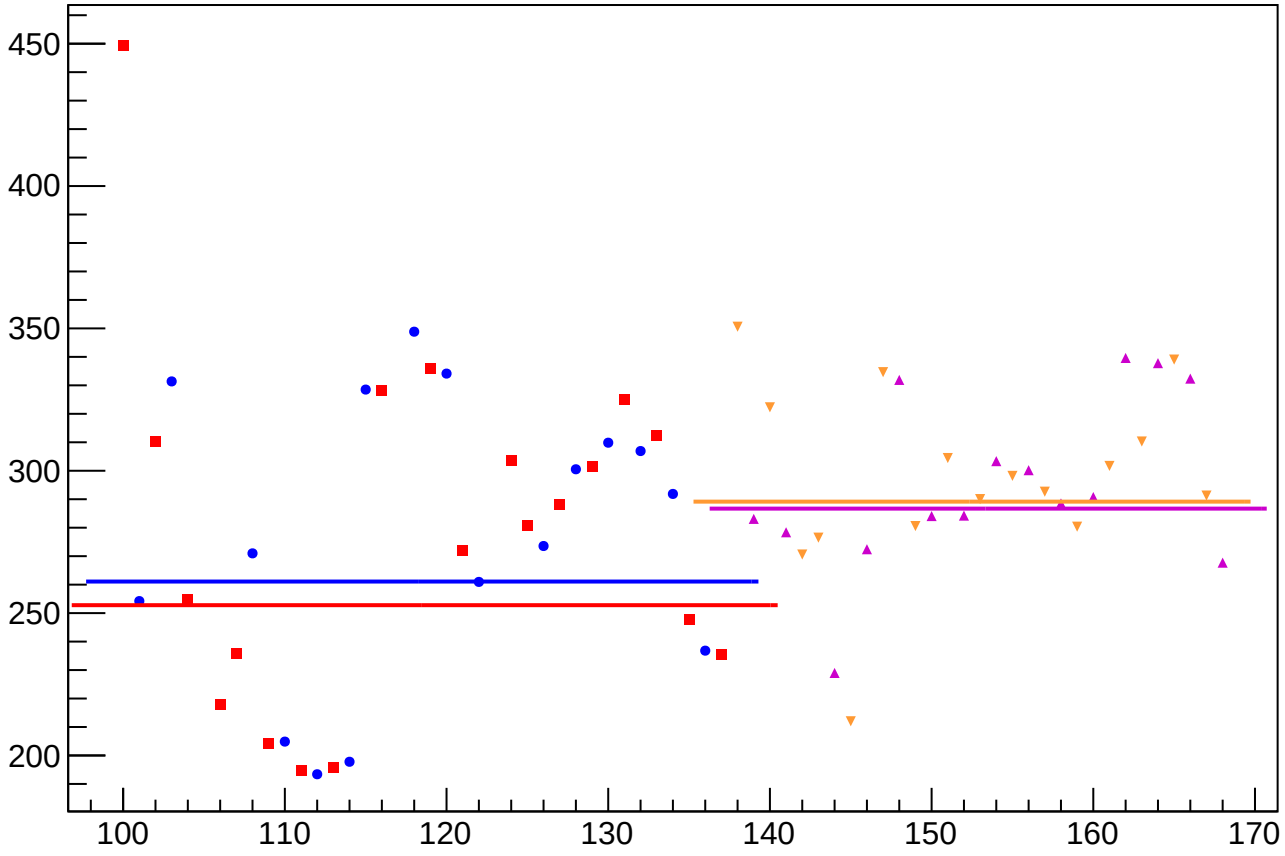
Left In: -359.688+/-82.583 χ^2/NDF:12.5/14

+ sign 131.385+/-63.405 χ^2/NDF: 26.7/31

All: -91.800+/-44.454 χ^2/NDF: 79.4/65

- sign -307.572+/-62.344 χ^2/NDF: 28.4/33

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 289.157+/-0.058 χ^2/NDF:359169.1/15

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

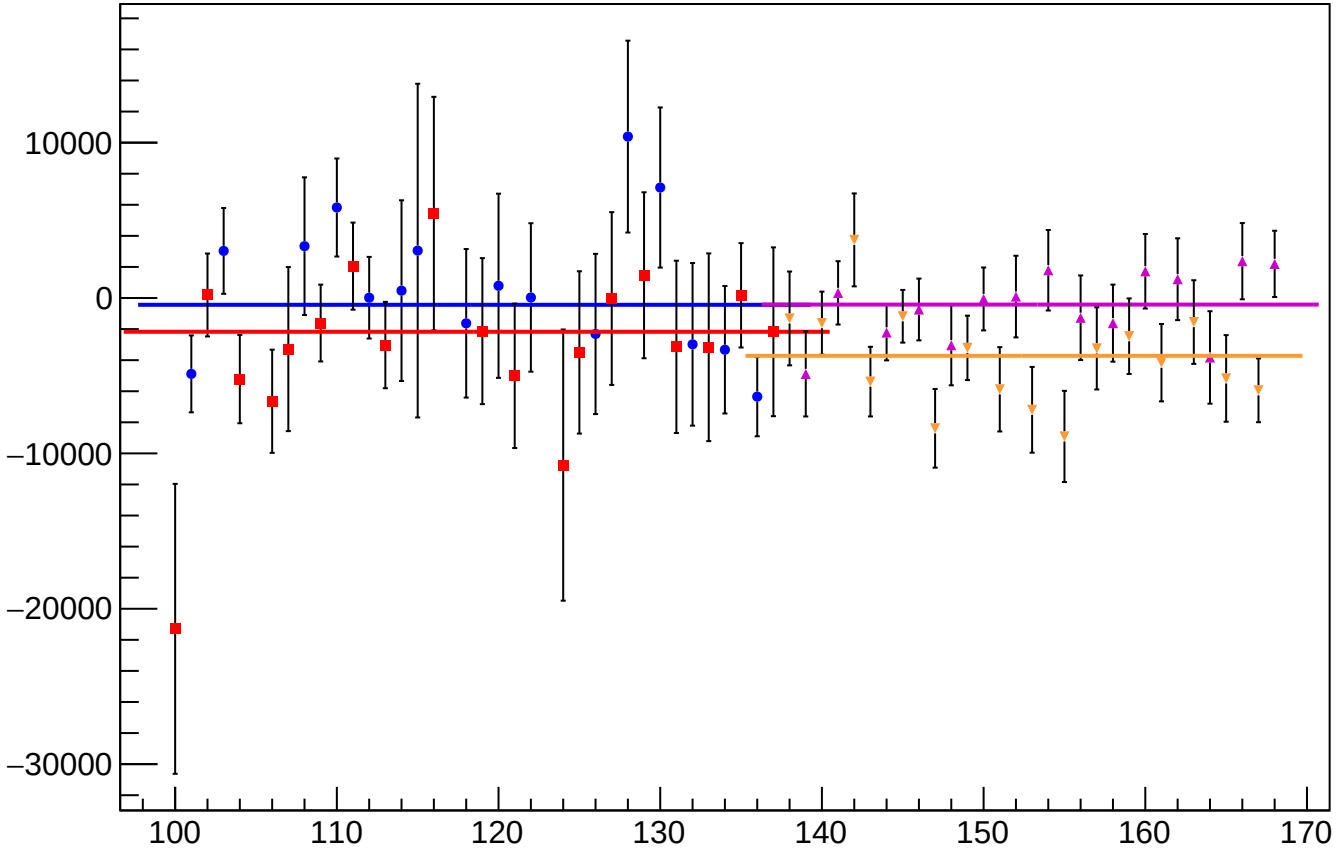
Left In: 286.701+/-0.058 χ^2/NDF:250066.1/14

+ sign 277.697+/-0.045 χ^2/NDF: 916514.4/31

All: 274.859+/-0.031 χ^2/NDF: 1856823.2/65

- sign 272.115+/-0.044 χ^2/NDF: 932427.8/33

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3719.876+/-601.757 χ^2/NDF:22.0/15

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

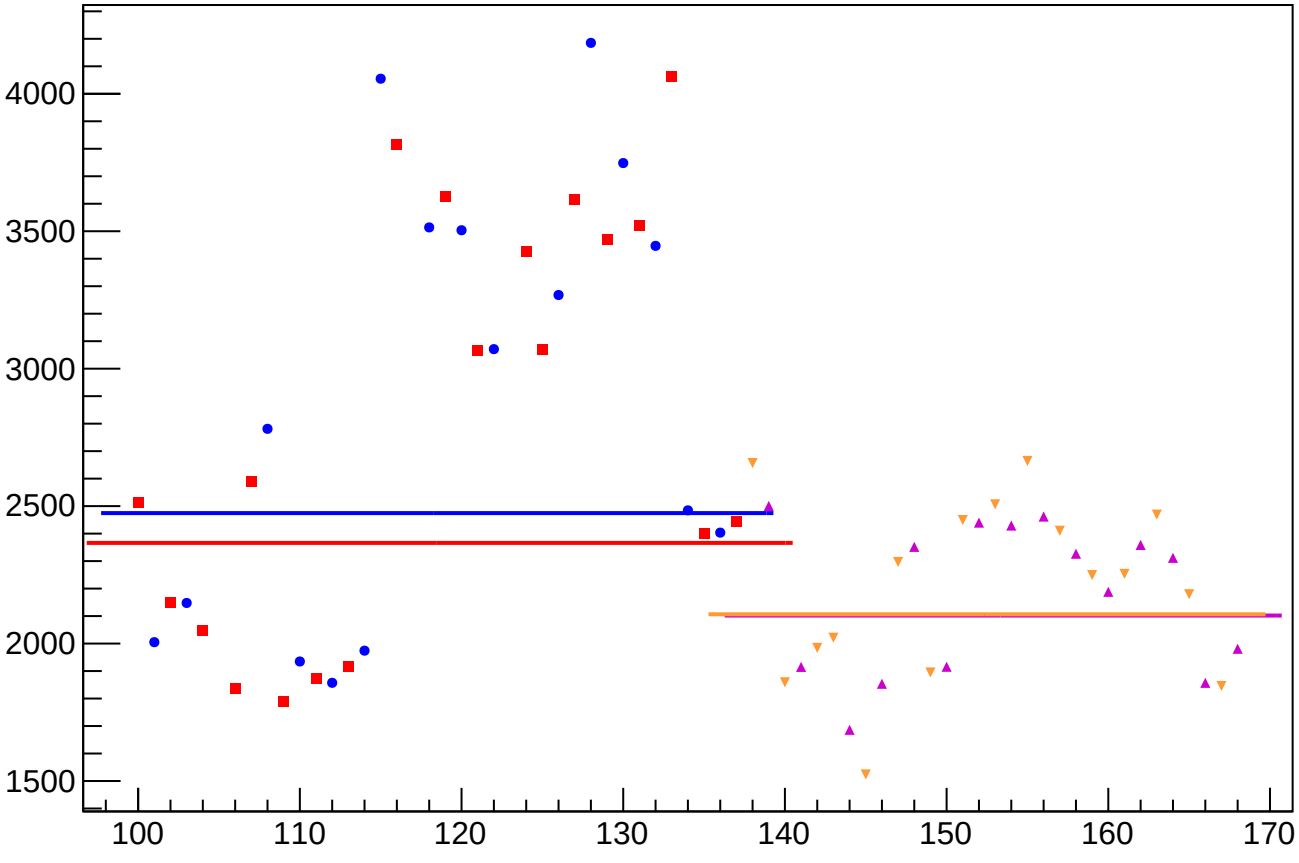
Left In: -421.354+/-603.991 χ^2/NDF:11.3/14

+ sign -2786.988+/-509.136 χ^2/NDF: 51.6/31

All: -1862.148+/-357.360 χ^2/NDF: 86.0/65

- sign -964.083+/-501.713 χ^2/NDF: 27.9/33

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2106.482+/-0.426 χ^2/NDF:627330.9/15

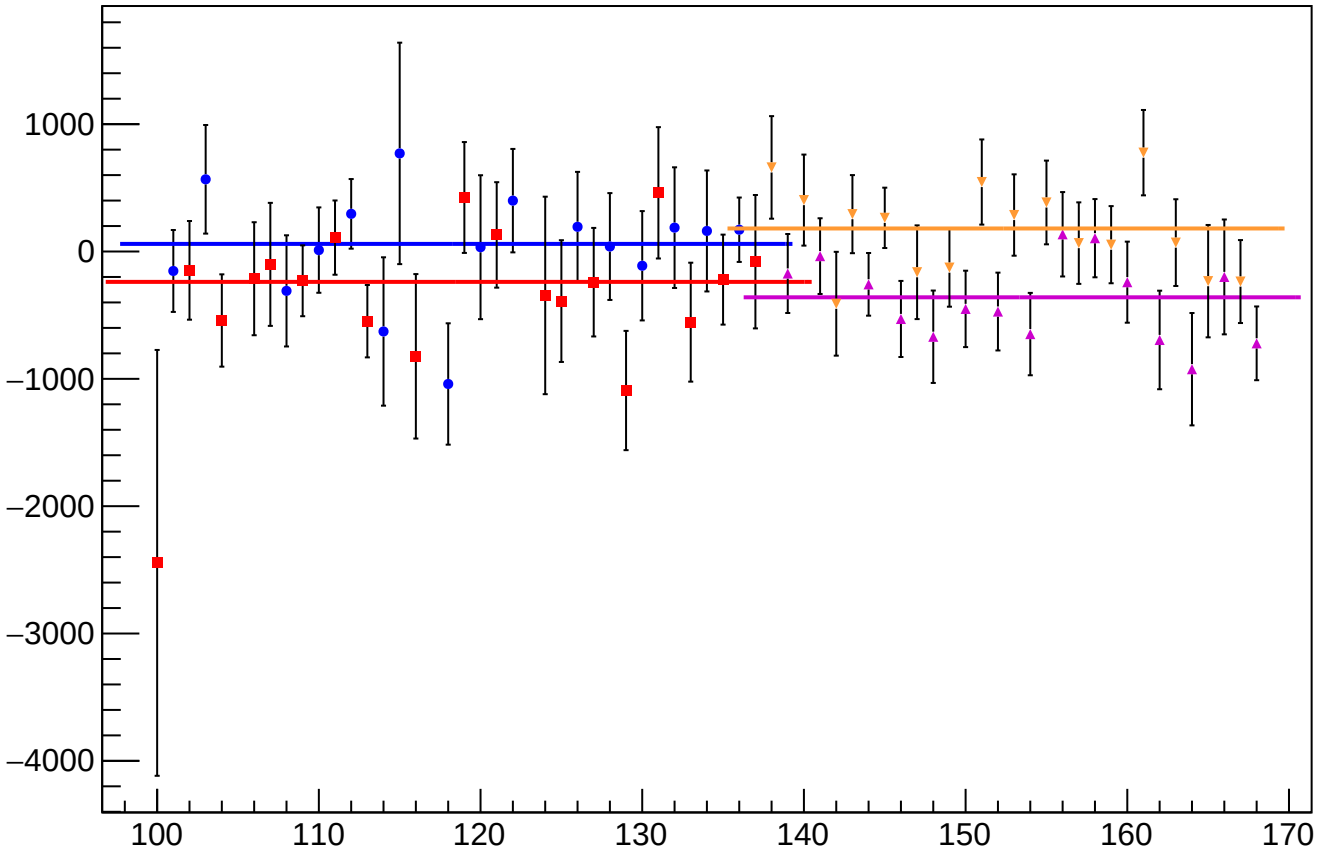
Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2101.929+/-0.427 χ^2/NDF:407858.8/14

+ sign 2211.087+/-0.360 χ^2/NDF: 1756274.9/31

All: 2197.273+/-0.253 χ^2/NDF: 3362924.4/65

- sign 2183.860+/-0.355 χ^2/NDF: 1603747.7/33



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 180.836+/-82.428 χ^2/NDF:13.8/15

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

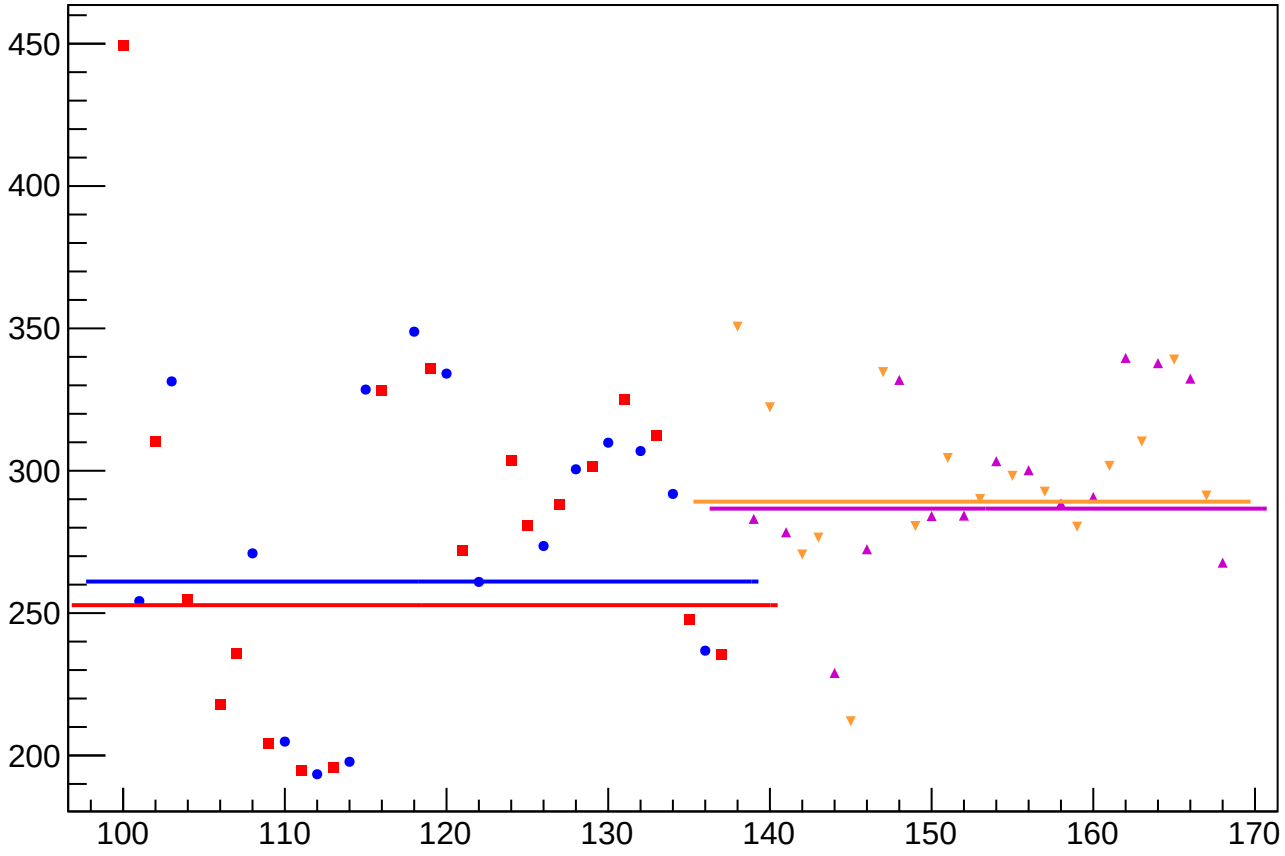
Left In: -359.689+/-82.583 χ^2/NDF:12.5/14

+ sign 131.390+/-63.406 χ^2/NDF: 26.7/31

All: -91.798+/-44.454 χ^2/NDF: 79.4/65

- sign -307.572+/-62.344 χ^2/NDF: 28.4/33

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 289.157+/-0.058 χ^2/NDF:359165.6/15

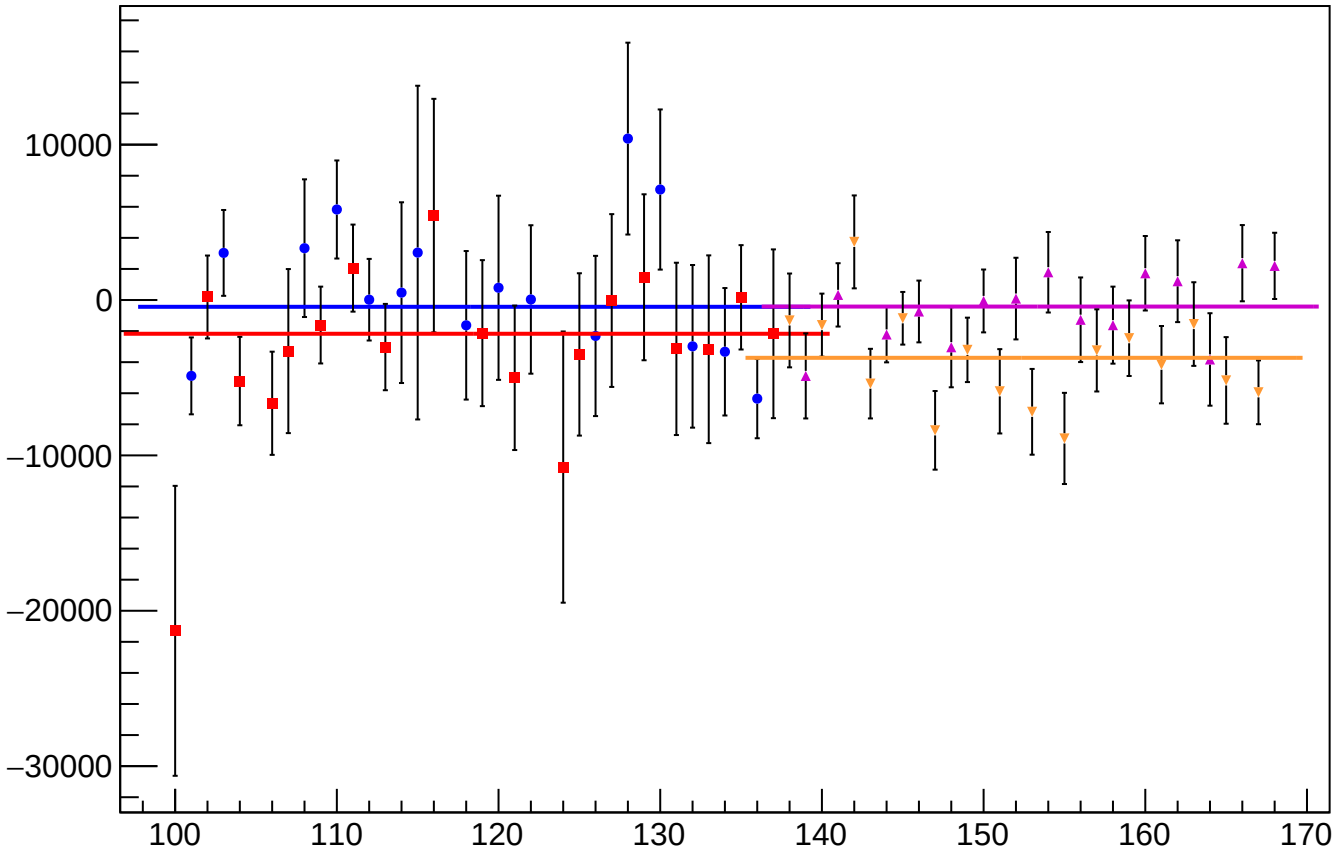
Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 286.702+/-0.058 χ^2/NDF:250065.1/14

+ sign 277.697+/-0.045 χ^2/NDF: 916516.6/31

All: 274.859+/-0.031 χ^2/NDF: 1856831.1/65

- sign 272.115+/-0.044 χ^2/NDF: 932433.2/33



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3719.868+/-601.757 χ^2/NDF:22.0/15

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

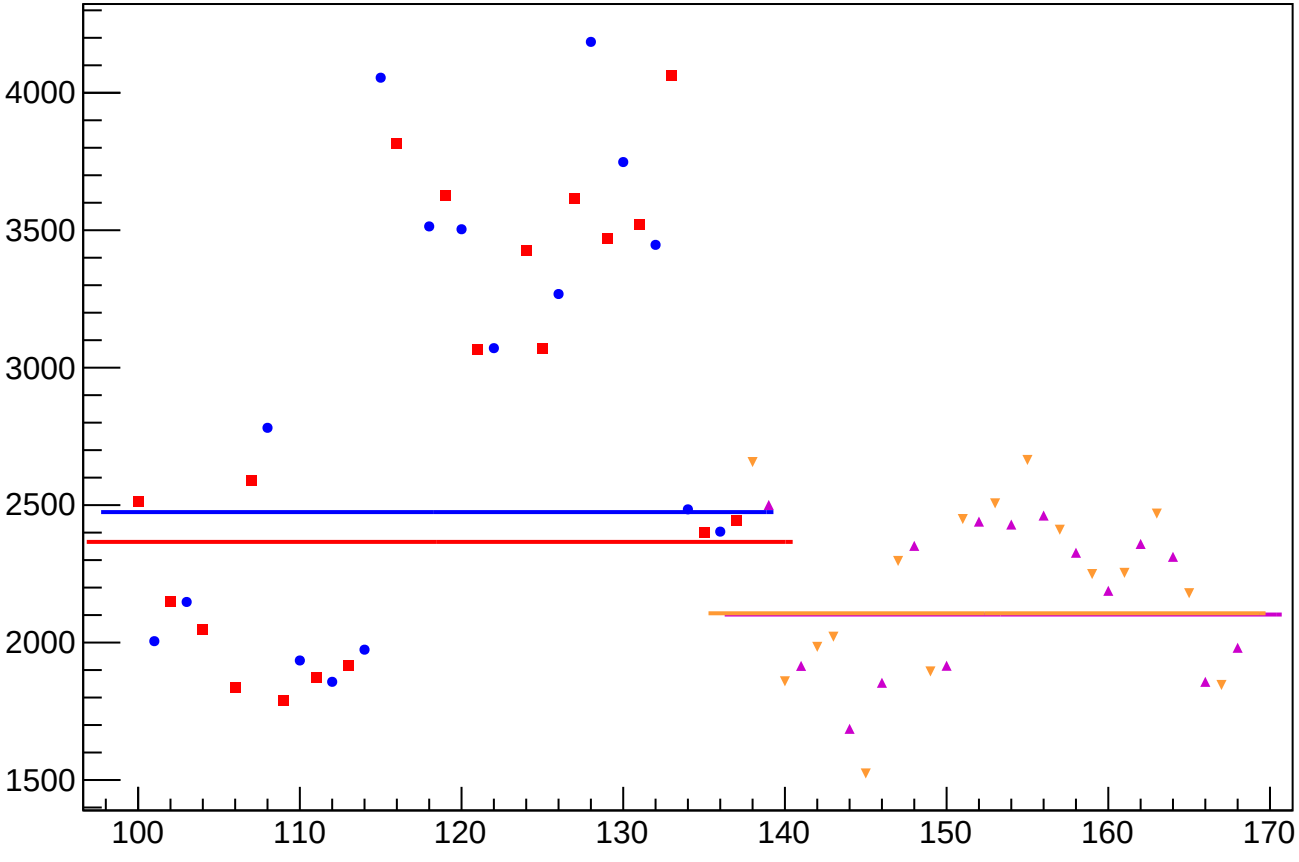
Left In: -421.352+/-603.990 χ^2/NDF:11.3/14

+ sign -2786.982+/-509.136 χ^2/NDF: 51.6/31

All: -1862.145+/-357.360 χ^2/NDF: 86.0/65

- sign -964.080+/-501.712 χ^2/NDF: 27.9/33

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2106.479+/-0.426 χ^2/NDF:627335.8/15

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

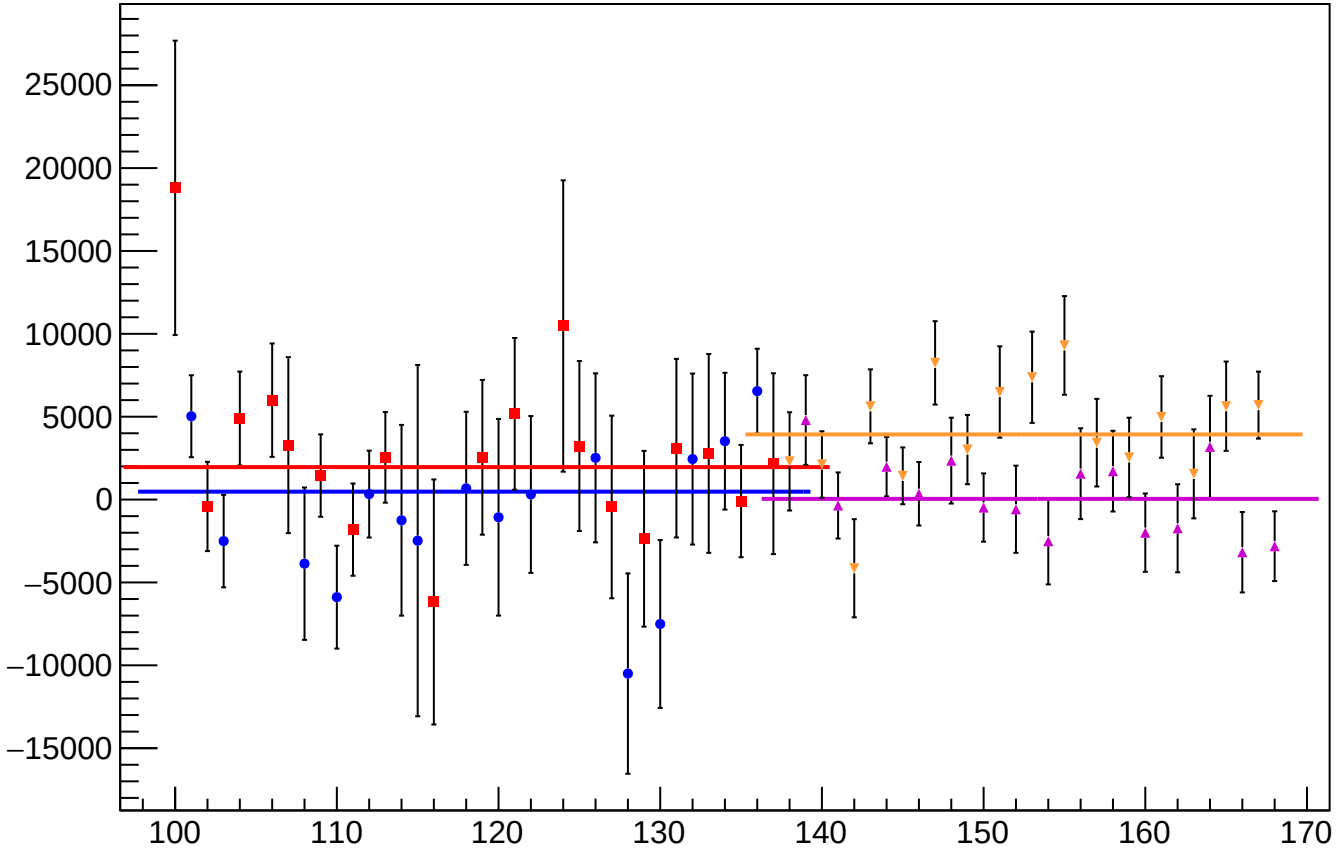
Left In: 2101.927+/-0.427 χ^2/NDF:407858.8/14

+ sign 2211.084+/-0.360 χ^2/NDF: 1756284.6/31

All: 2197.271+/-0.253 χ^2/NDF: 3362937.1/65

- sign 2183.857+/-0.355 χ^2/NDF: 1603750.7/33

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3931.474+/-599.271 χ^2/NDF:22.6/15

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

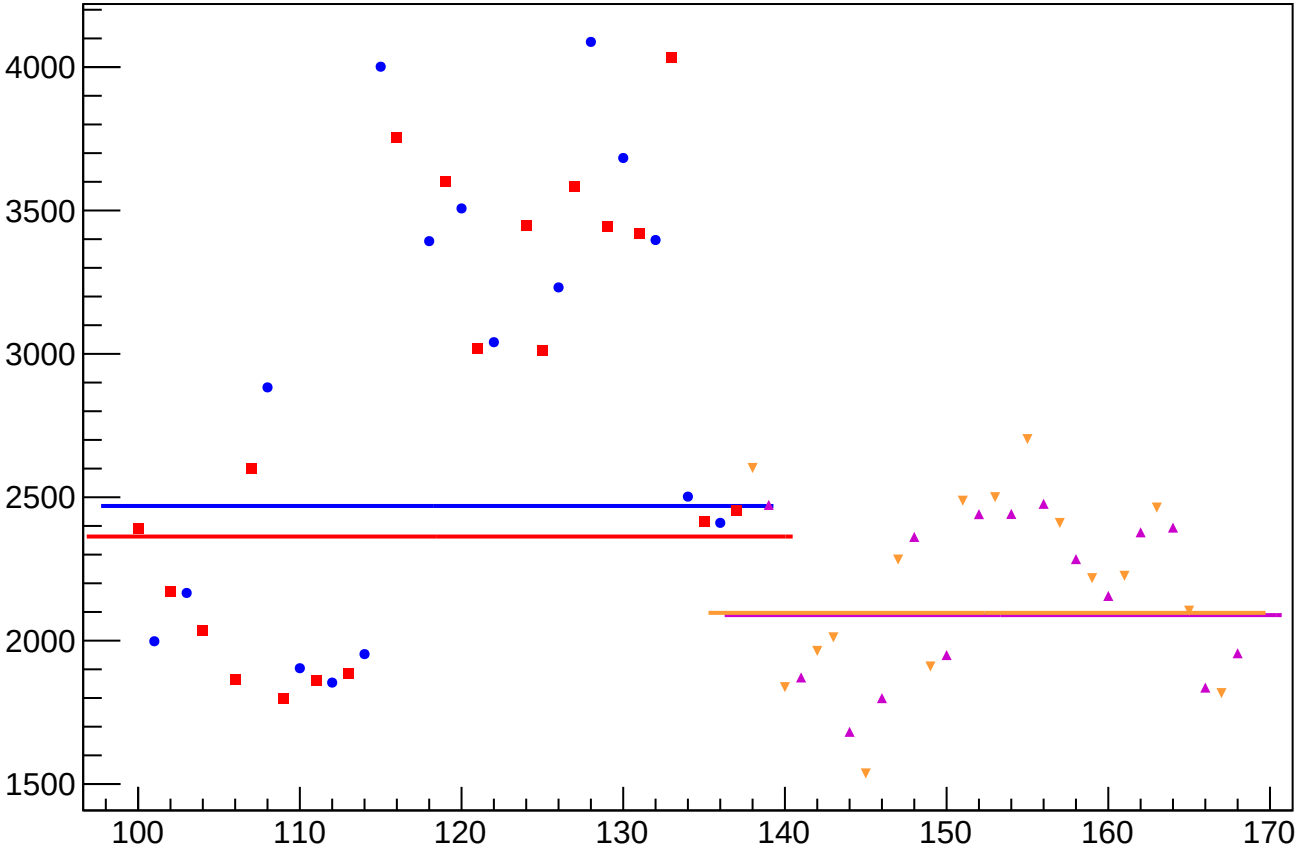
Left In: 42.349+/-600.549 χ^2/NDF:12.8/14

+ sign 2952.291+/-507.269 χ^2/NDF: 54.1/31

All: 1774.868+/-355.913 χ^2/NDF: 93.5/65

- sign 633.257+/-499.495 χ^2/NDF: 28.8/33

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2096.928+/-0.424 χ^2/NDF:619540.9/15

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

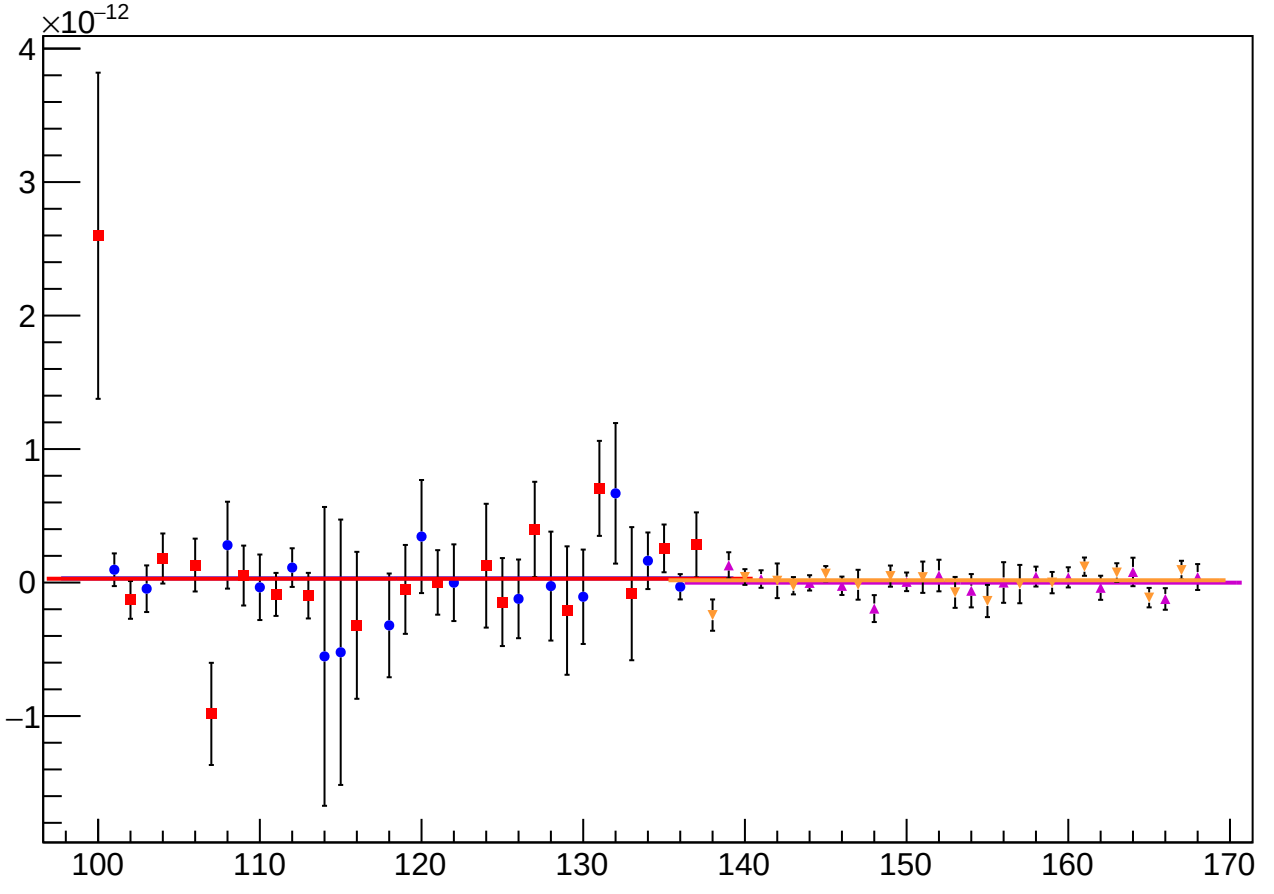
Left In: 2089.063+/-0.425 χ^2/NDF:444357.0/14

+ sign 2202.583+/-0.359 χ^2/NDF: 1725022.6/31

All: 2187.824+/-0.252 χ^2/NDF: 3344370.3/65

- sign 2173.513+/-0.353 χ^2/NDF: 1616012.9/33

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:16.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

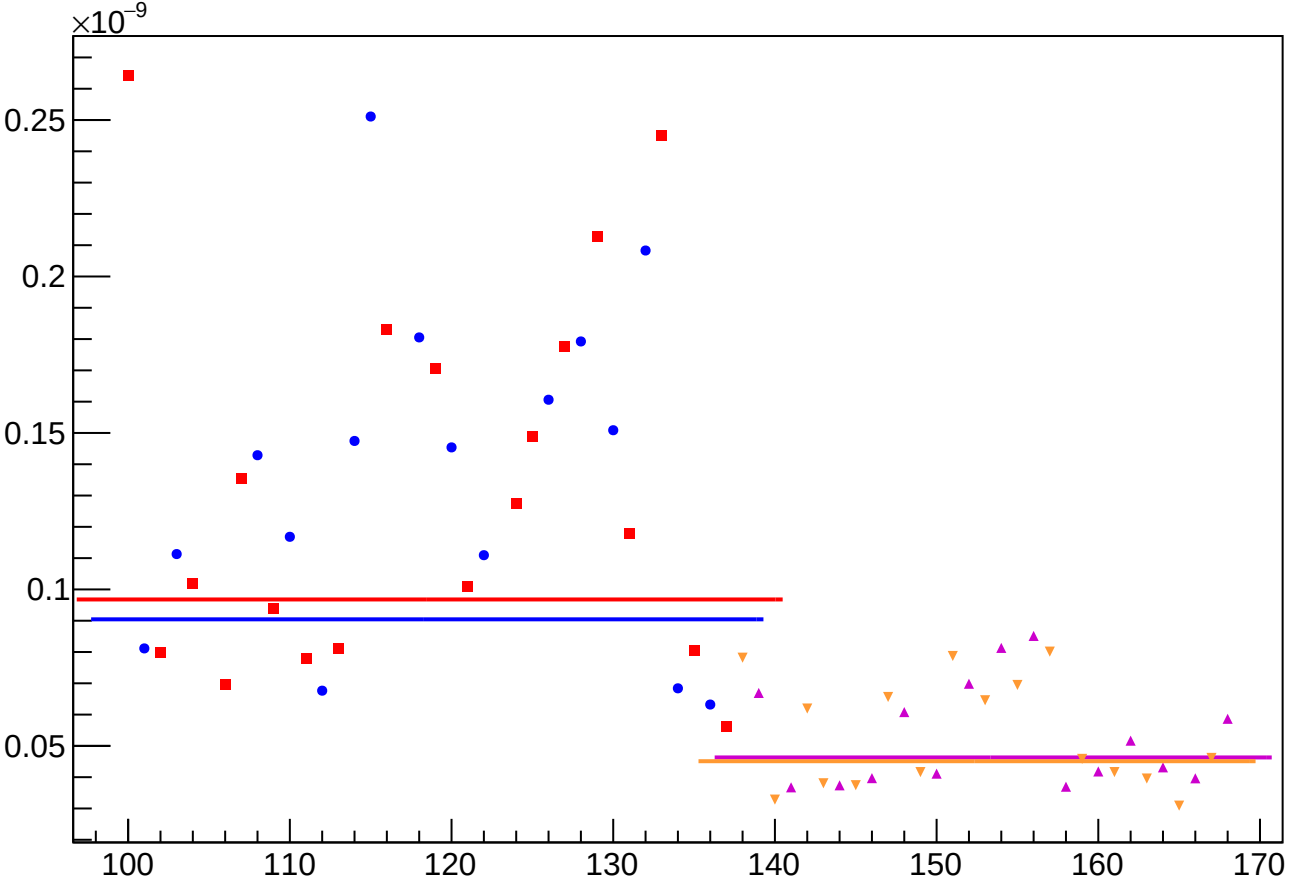
Left In: -0.000+/-0.000 χ^2/NDF:10.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 22.3/31

All: 0.000+/-0.000 χ^2/NDF: 56.2/65

- sign 0.000+/-0.000 χ^2/NDF: 33.5/33

asym_sam4_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:925531.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

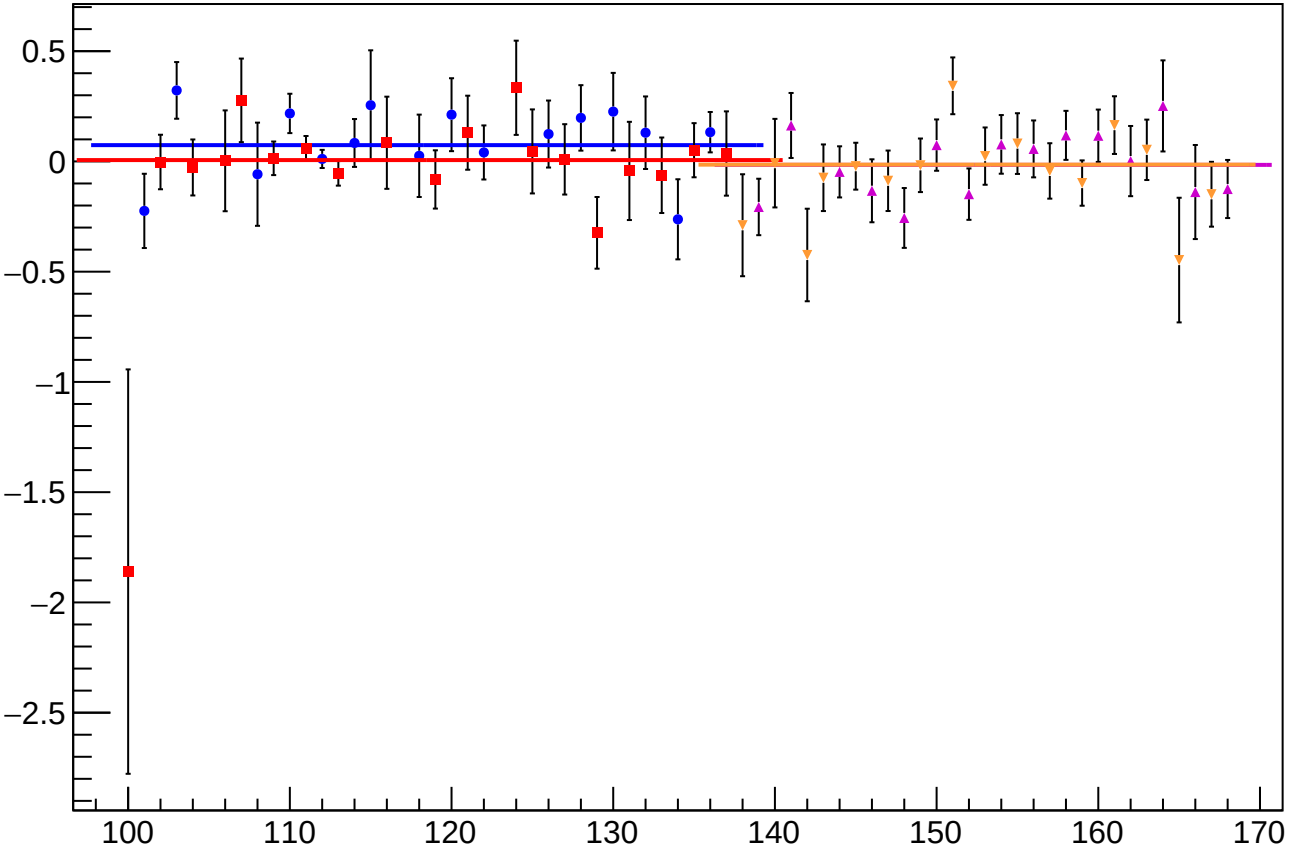
Left In: 0.000+/-0.000 χ^2/NDF:709724.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 3147210.8/31

All: 0.000+/-0.000 χ^2/NDF: 6136525.4/65

- sign 0.000+/-0.000 χ^2/NDF: 2980419.6/33

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.035 χ^2/NDF:20.0/15

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

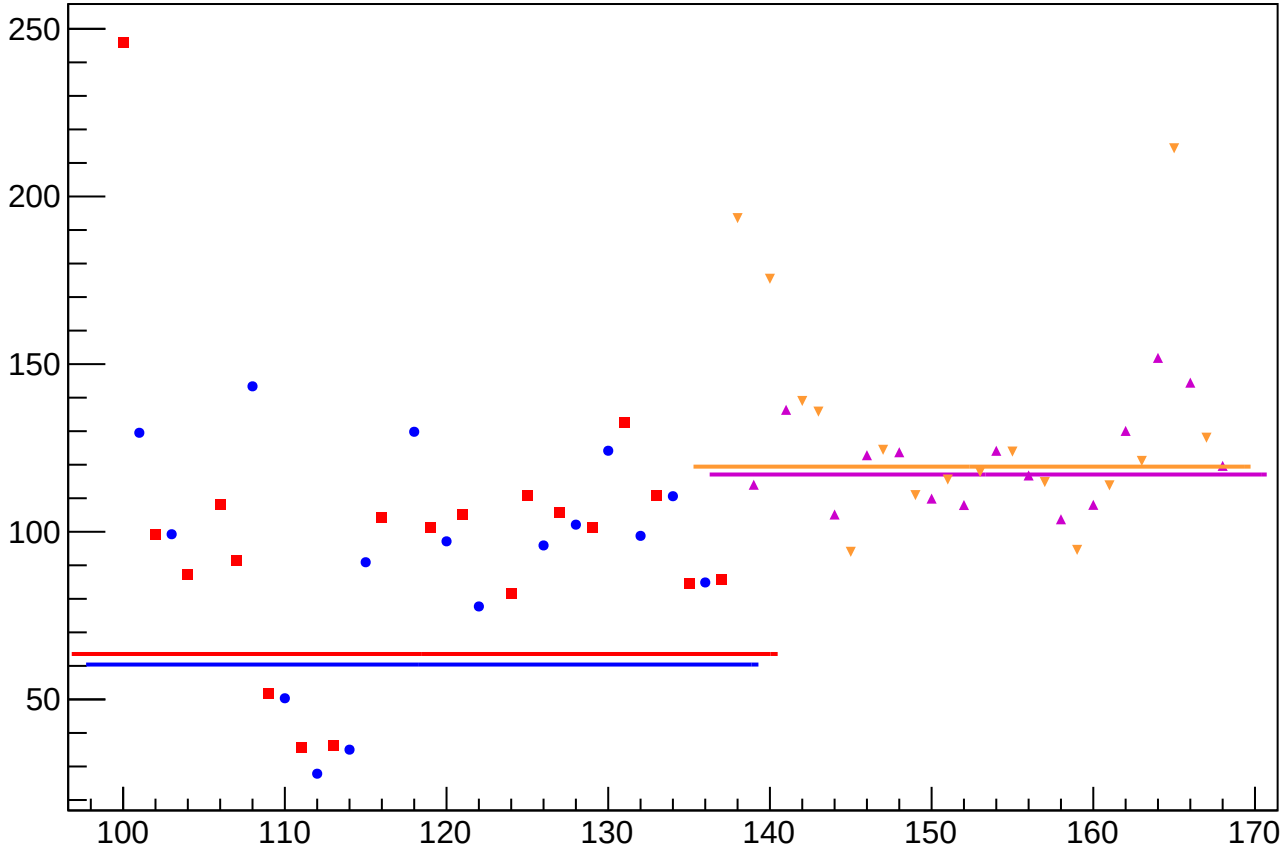
Left In: -0.016+/-0.034 χ^2/NDF:15.7/14

+ sign 0.041+/-0.021 χ^2/NDF: 42.9/31

All: 0.019+/-0.015 χ^2/NDF: 77.3/65

- sign -0.002+/-0.021 χ^2/NDF: 32.3/33

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 119.428+/-0.025 χ^2/NDF:889103.5/15

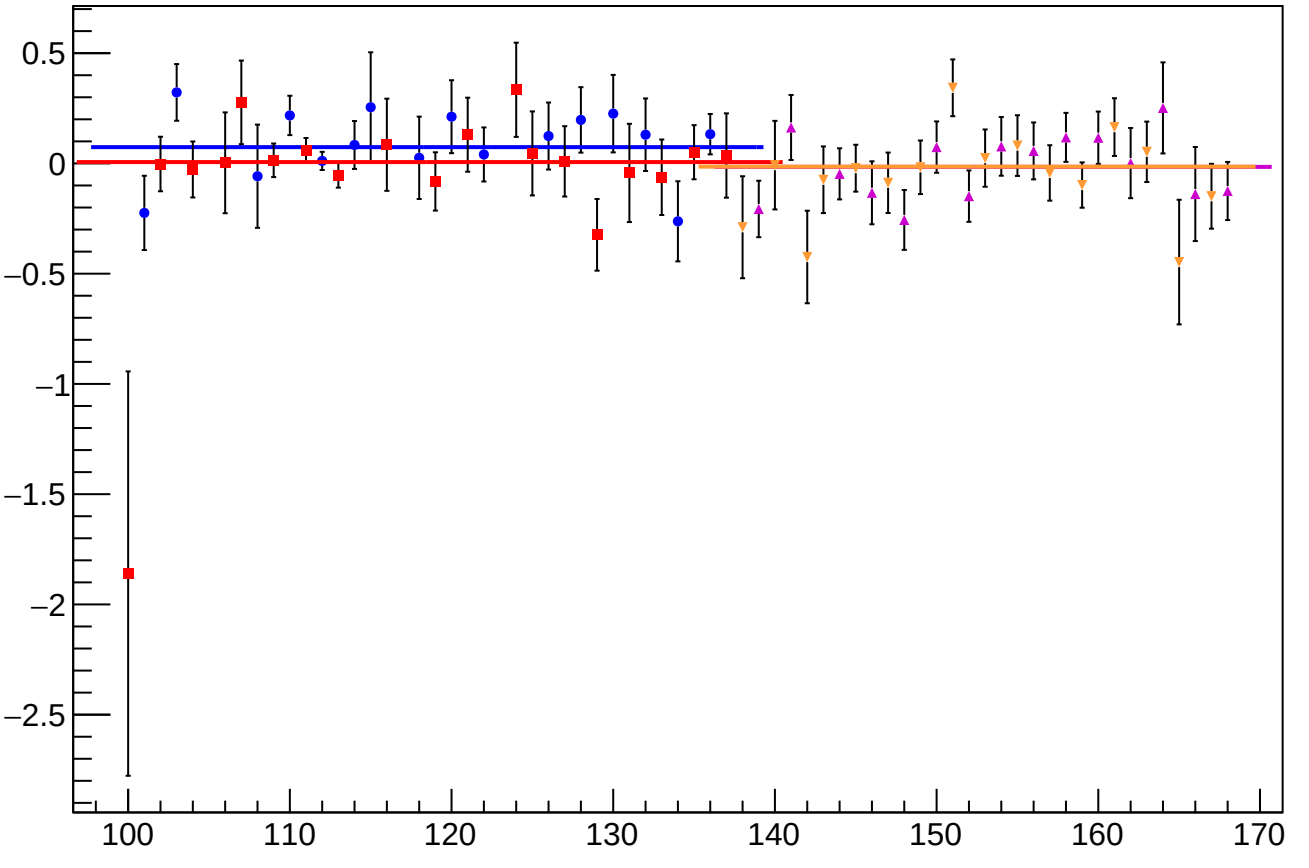
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 117.080+/-0.024 χ^2/NDF:234393.9/14

+ sign 82.502+/-0.015 χ^2/NDF: 8003078.5/31

All: 83.143+/-0.011 χ^2/NDF: 13902450.0/65

- sign 83.772+/-0.015 χ^2/NDF: 5895802.2/33



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.035 χ^2/NDF:20.0/15

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

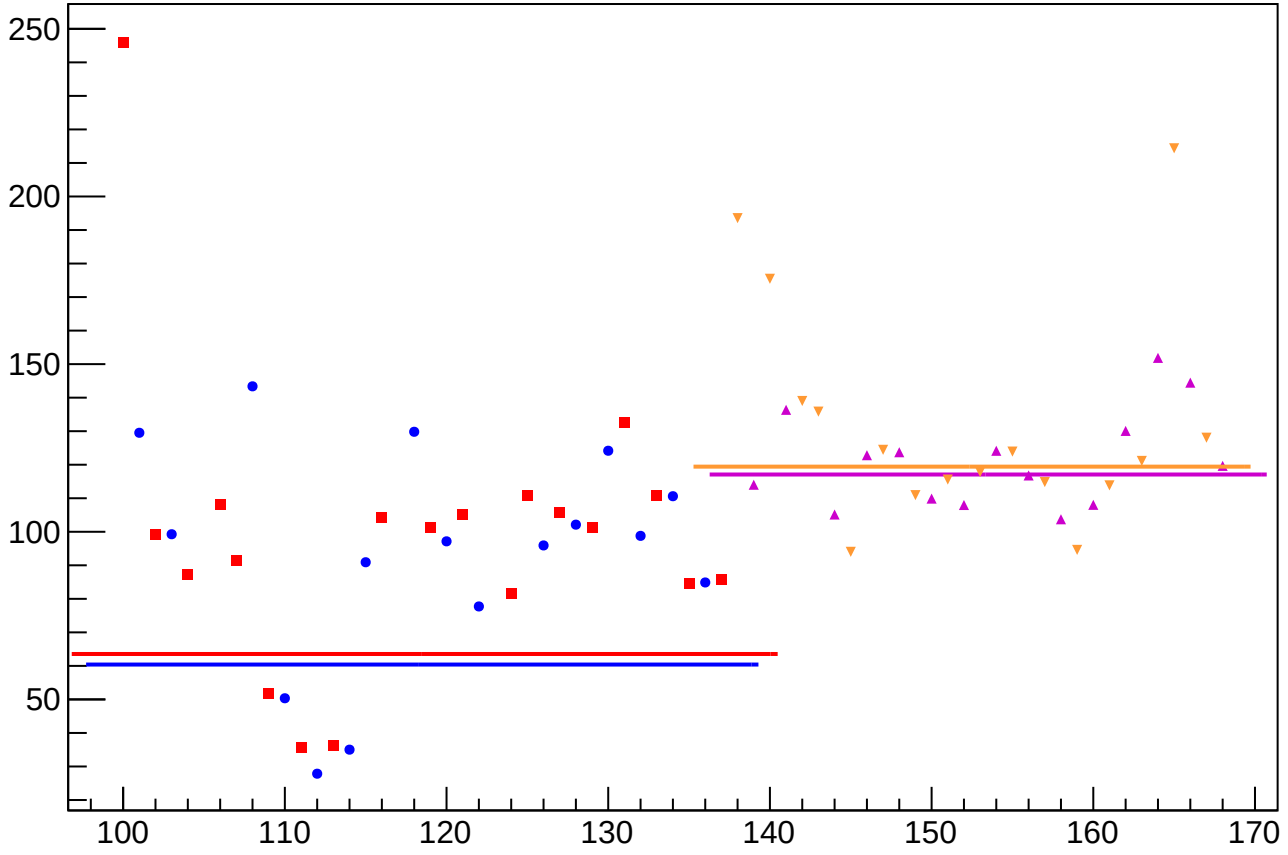
Left In: -0.016+/-0.034 χ^2/NDF:15.7/14

+ sign 0.041+/-0.021 χ^2/NDF: 42.9/31

All: 0.019+/-0.015 χ^2/NDF: 77.3/65

- sign -0.002+/-0.021 χ^2/NDF: 32.3/33

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 119.428+/-0.025 χ^2/NDF:889103.5/15

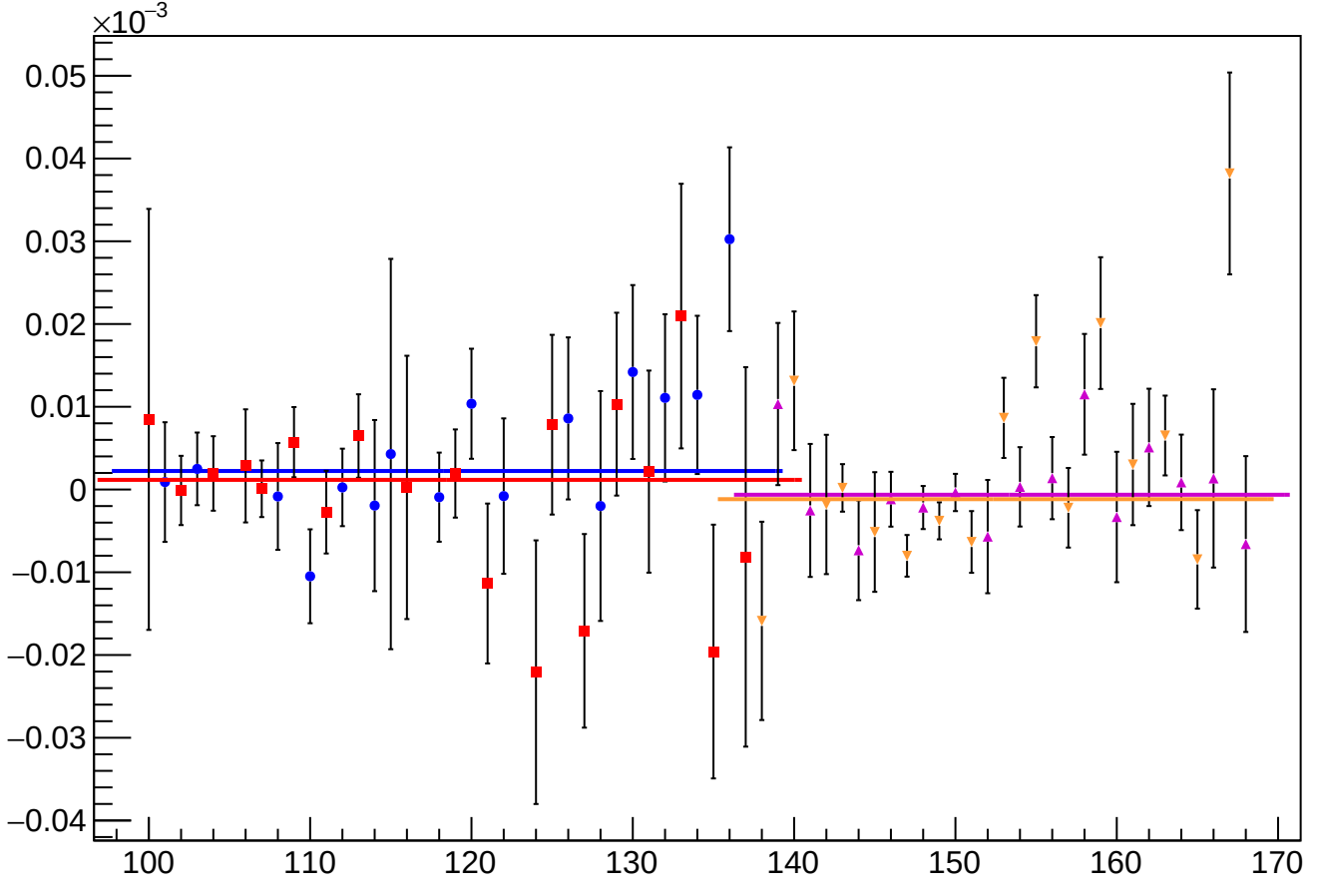
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 117.080+/-0.024 χ^2/NDF:234393.9/14

\+ sign 82.502+/-0.015 χ^2/NDF: 8003078.5/31

All: 83.143+/-0.011 χ^2/NDF: 13902450.0/65

\- sign 83.772+/-0.015 χ^2/NDF: 5895802.2/33



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

Left Out: -0.000+/-0.000 χ^2/NDF:53.5/15

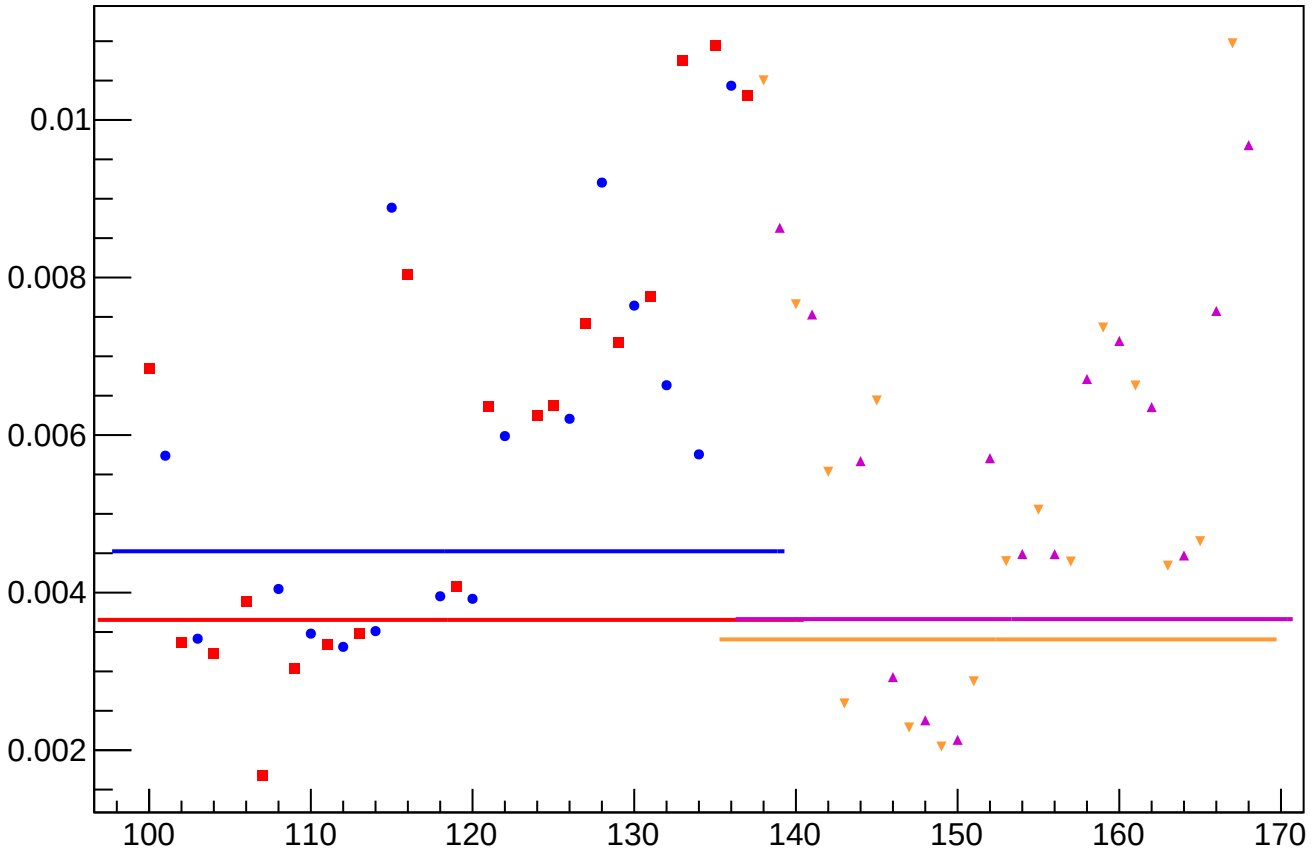
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/14

+ sign -0.000+/-0.000 χ^2/NDF: 73.5/31

All: -0.000+/-0.000 χ^2/NDF: 96.2/65

- sign 0.000+/-0.000 χ^2/NDF: 22.6/33



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:5187261.3/15

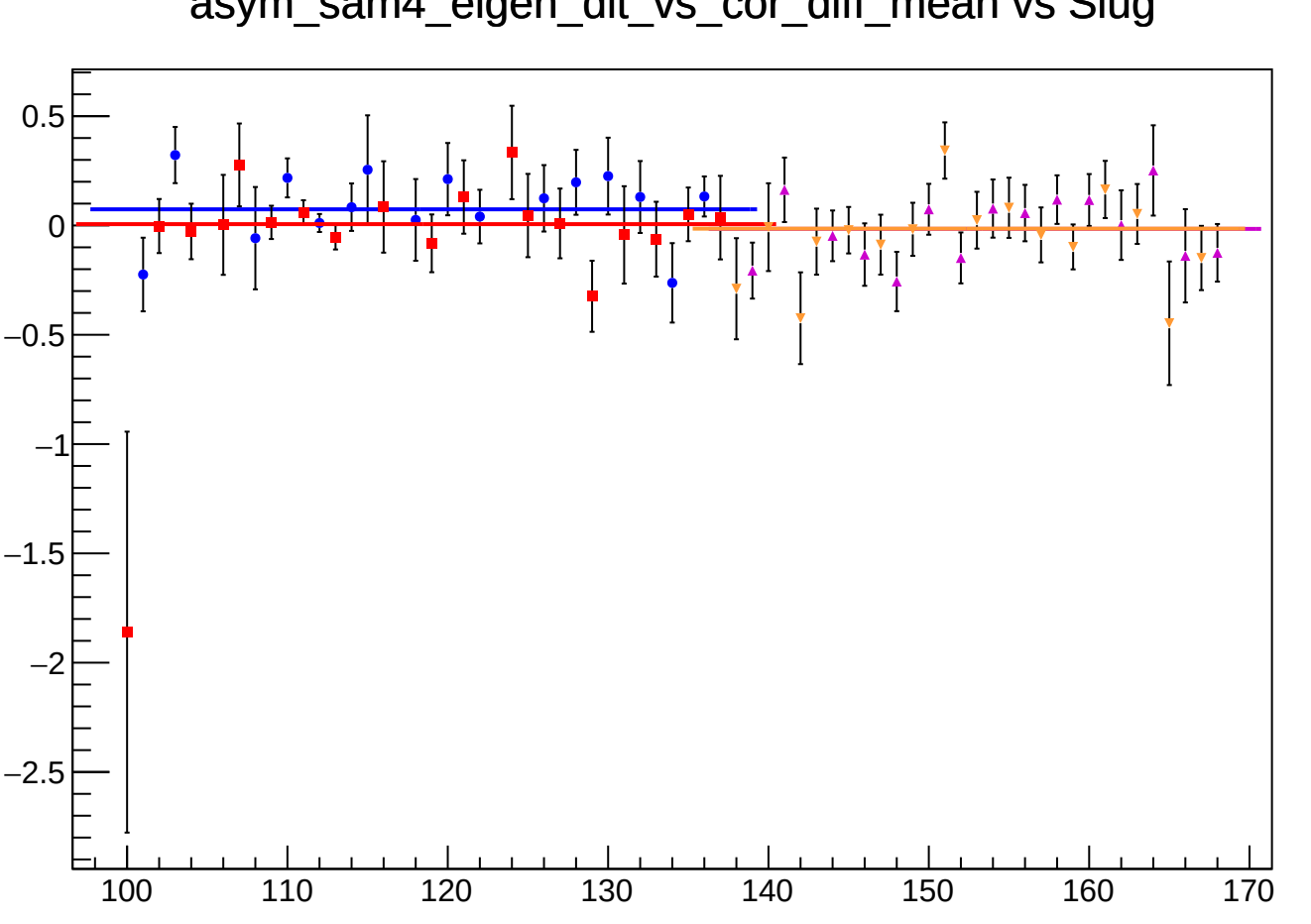
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.004+/-0.000 χ^2/NDF:4985999.1/14

+ sign 0.004+/-0.000 χ^2/NDF: 7467360.8/31

All: 0.004+/-0.000 χ^2/NDF: 15388996.4/65

- sign 0.004+/-0.000 χ^2/NDF: 7919300.7/33



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.035 χ^2/NDF:20.0/15

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

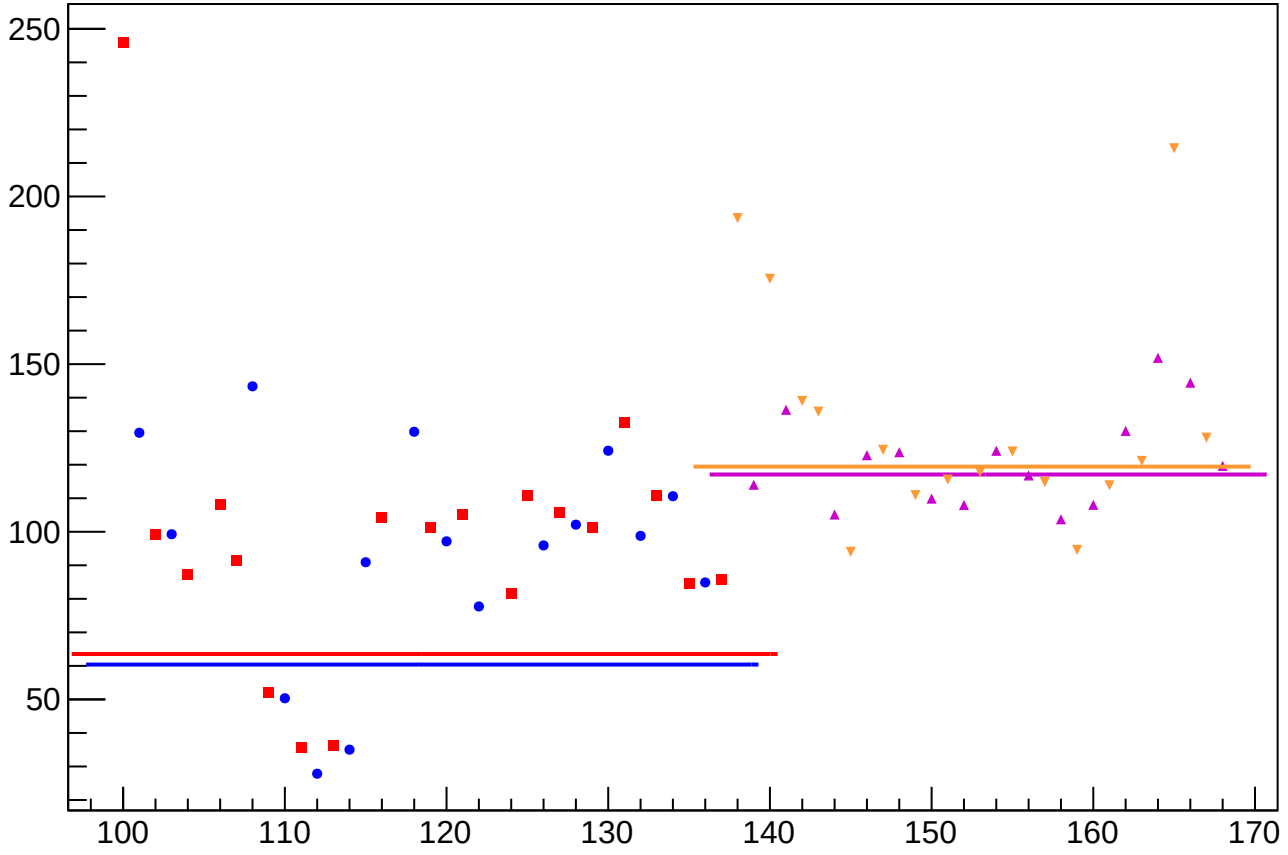
Left In: -0.016+/-0.034 χ^2/NDF:15.7/14

+ sign 0.041+/-0.021 χ^2/NDF: 42.9/31

All: 0.019+/-0.015 χ^2/NDF: 77.3/65

- sign -0.002+/-0.021 χ^2/NDF: 32.3/33

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 119.429+/-0.025 χ^2/NDF:889071.4/15

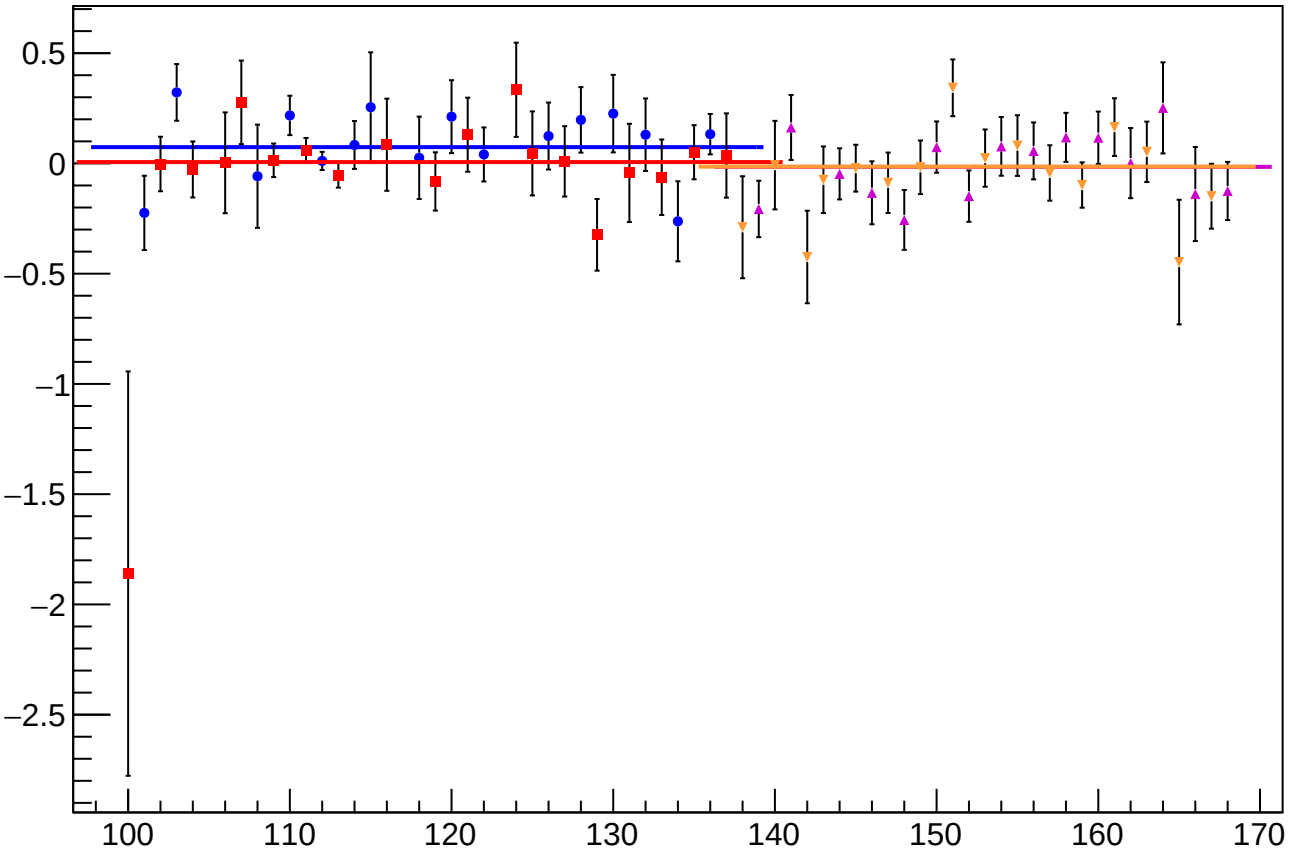
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 117.081+/-0.024 χ^2/NDF:234387.6/14

+ sign 82.500+/-0.015 χ^2/NDF: 8003720.3/31

All: 83.142+/-0.011 χ^2/NDF: 13903687.6/65

- sign 83.771+/-0.015 χ^2/NDF: 5896396.1/33



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.035 χ^2/NDF:20.0/15

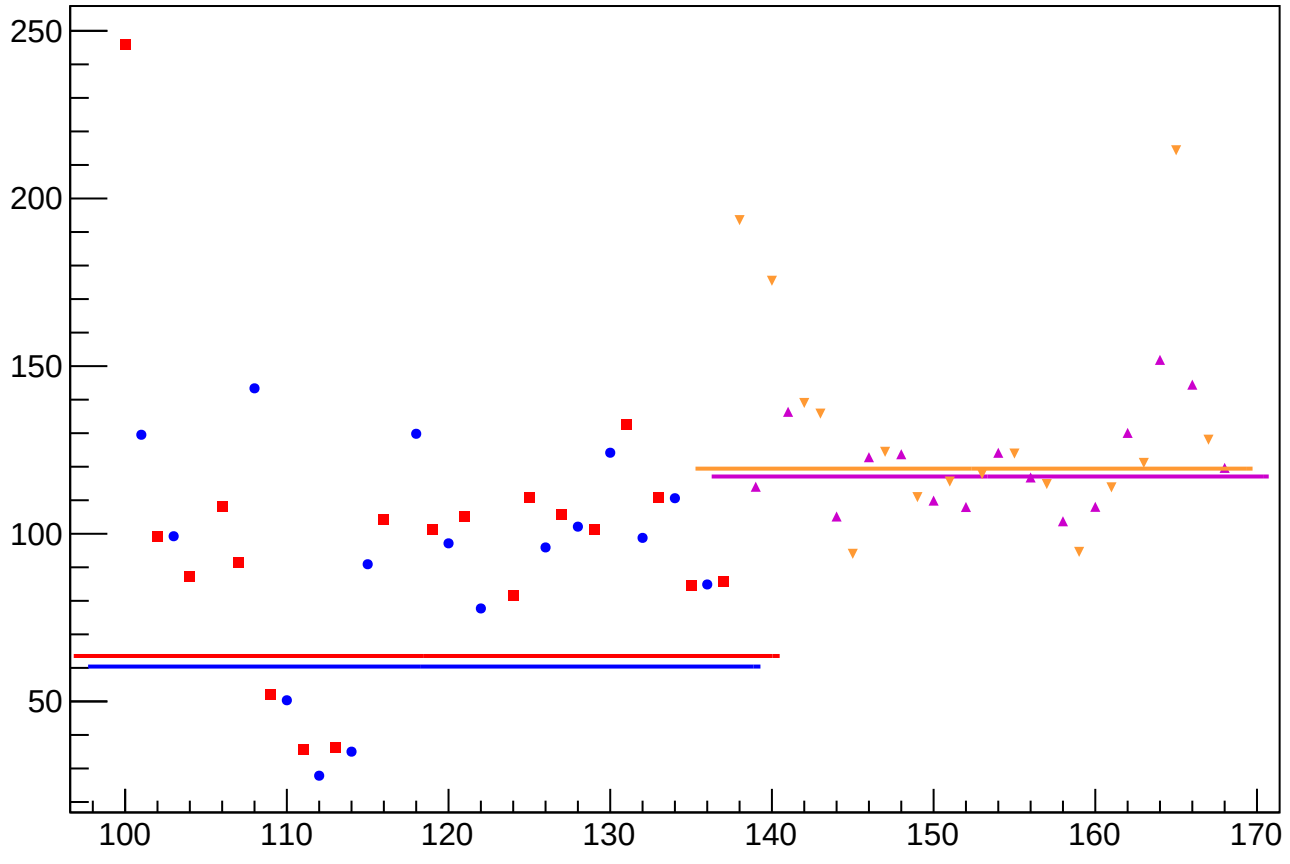
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.016+/-0.034 χ^2/NDF:15.7/14

+ sign 0.041+/-0.021 χ^2/NDF: 42.9/31

All: 0.019+/-0.015 χ^2/NDF: 77.3/65

- sign -0.002+/-0.021 χ^2/NDF: 32.3/33



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 119.429+/-0.025 χ^2/NDF:889071.4/15

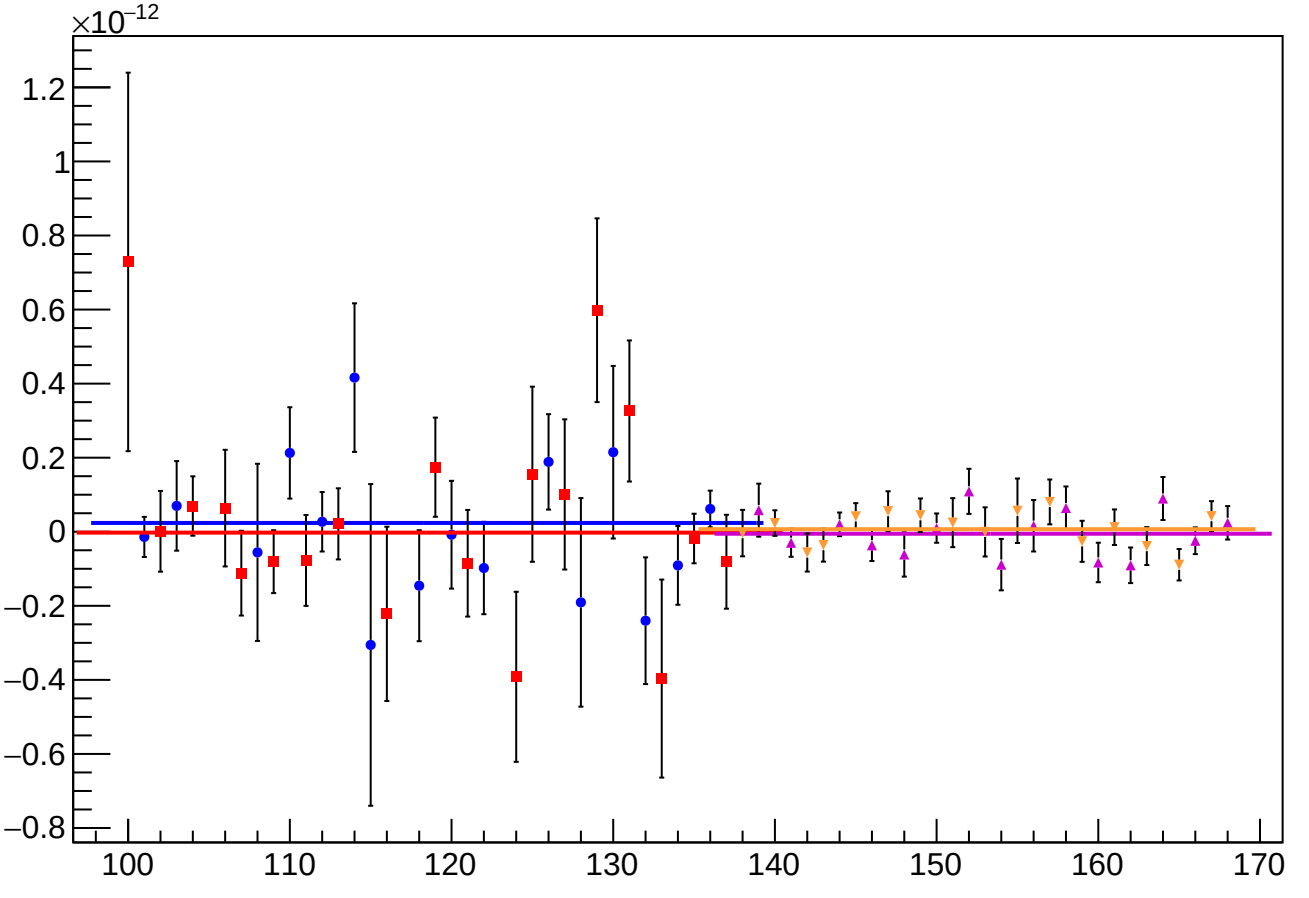
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 117.081+/-0.024 χ^2/NDF:234387.6/14

+ sign 82.500+/-0.015 χ^2/NDF: 8003720.3/31

All: 83.142+/-0.011 χ^2/NDF: 13903687.6/65

- sign 83.771+/-0.015 χ^2/NDF: 5896396.1/33



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/15

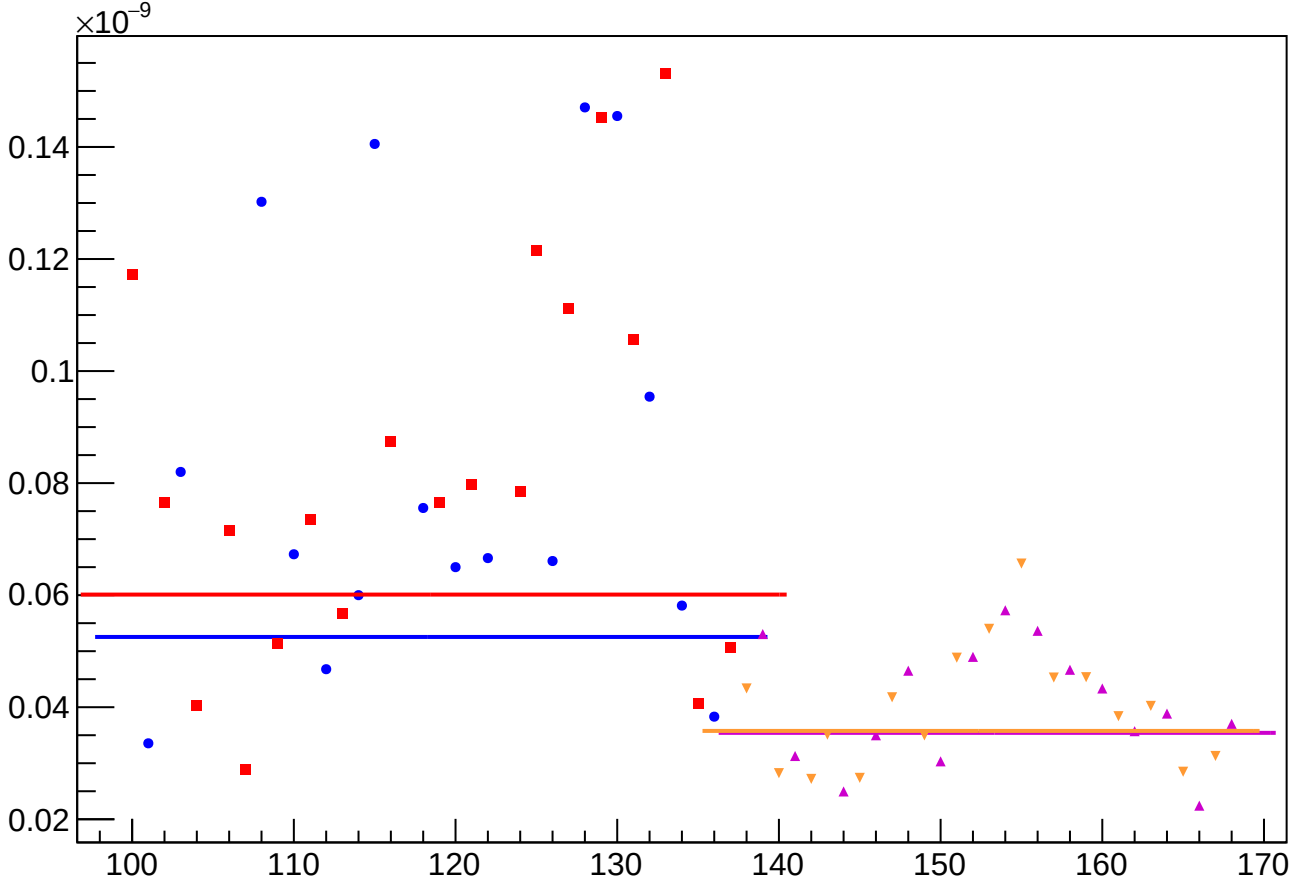
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 31.2/31

All: 0.000+/-0.000 χ^2/NDF: 73.8/65

- sign -0.000+/-0.000 χ^2/NDF: 41.7/33



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:994312.3/15

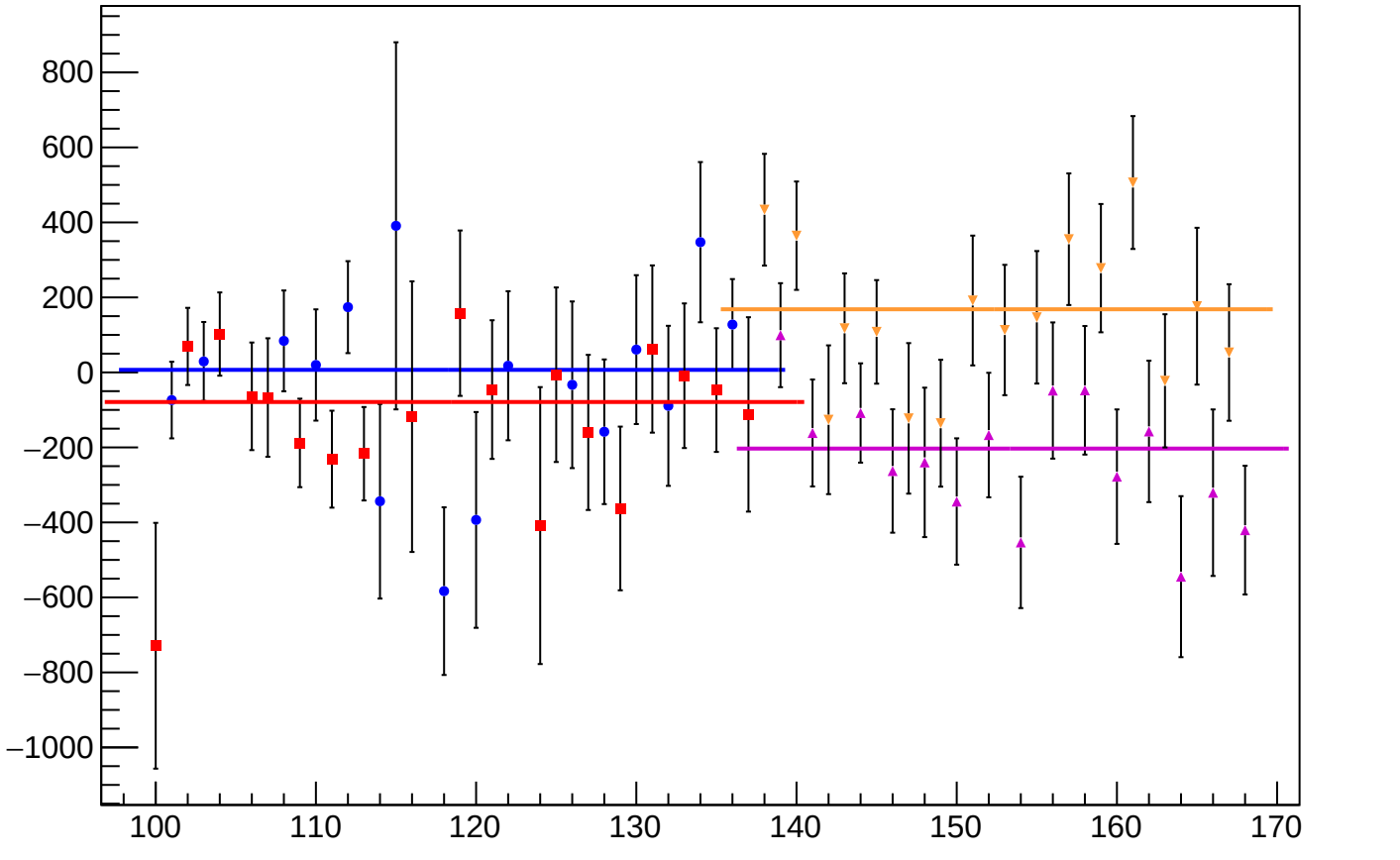
Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1285098.9/14

+ sign 0.000+/-0.000 χ^2/NDF: 3317886.4/31

All: 0.000+/-0.000 χ^2/NDF: 7382200.7/65

- sign 0.000+/-0.000 χ^2/NDF: 4062704.6/33



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 168.357+/-42.295 χ^2/NDF:19.7/15

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

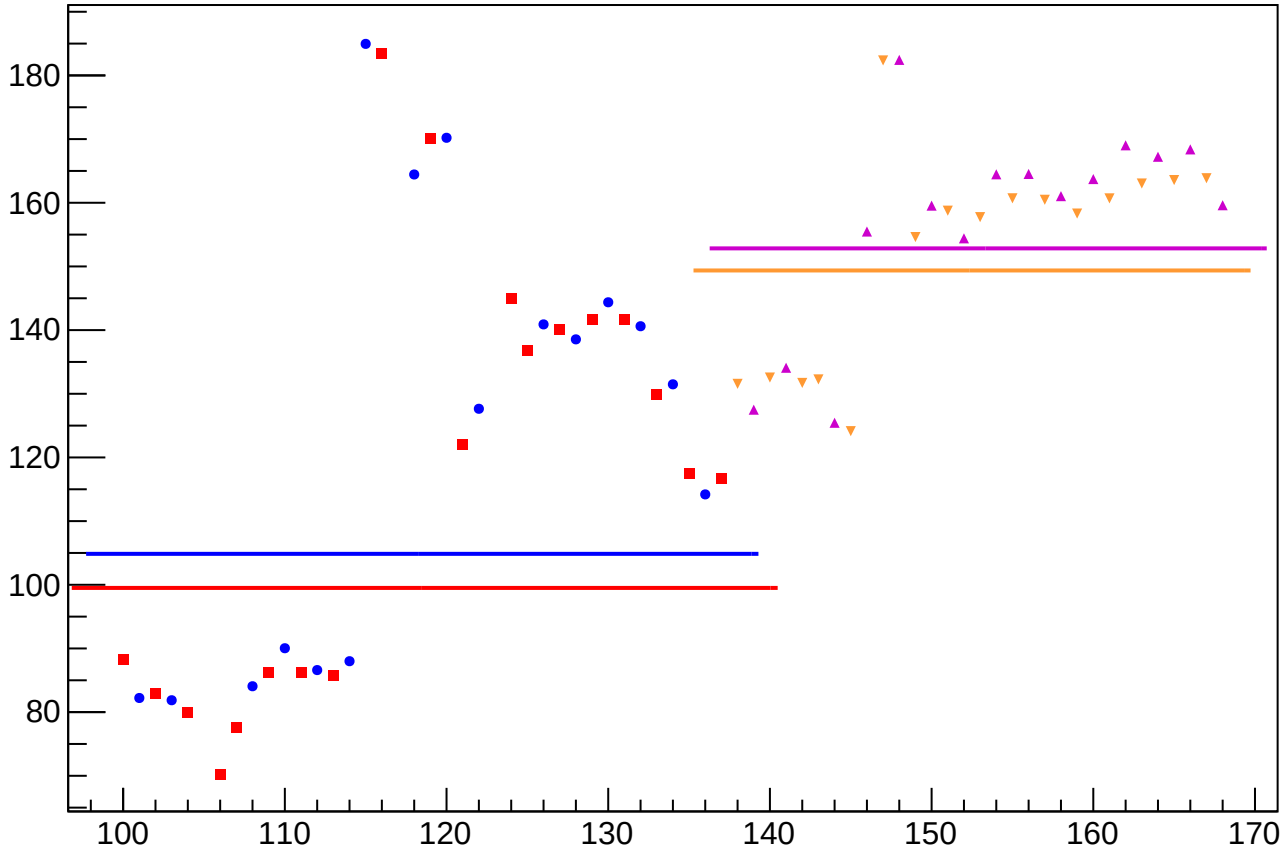
Left In: -203.121+/-43.684 χ^2/NDF:14.5/14

+ sign 83.790+/-29.196 χ^2/NDF: 46.2/31

All: -26.344+/-20.442 χ^2/NDF: 109.9/65

- sign -132.247+/-28.630 χ^2/NDF: 35.8/33

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 149.367+/-0.030 χ^2/NDF:295719.4/15

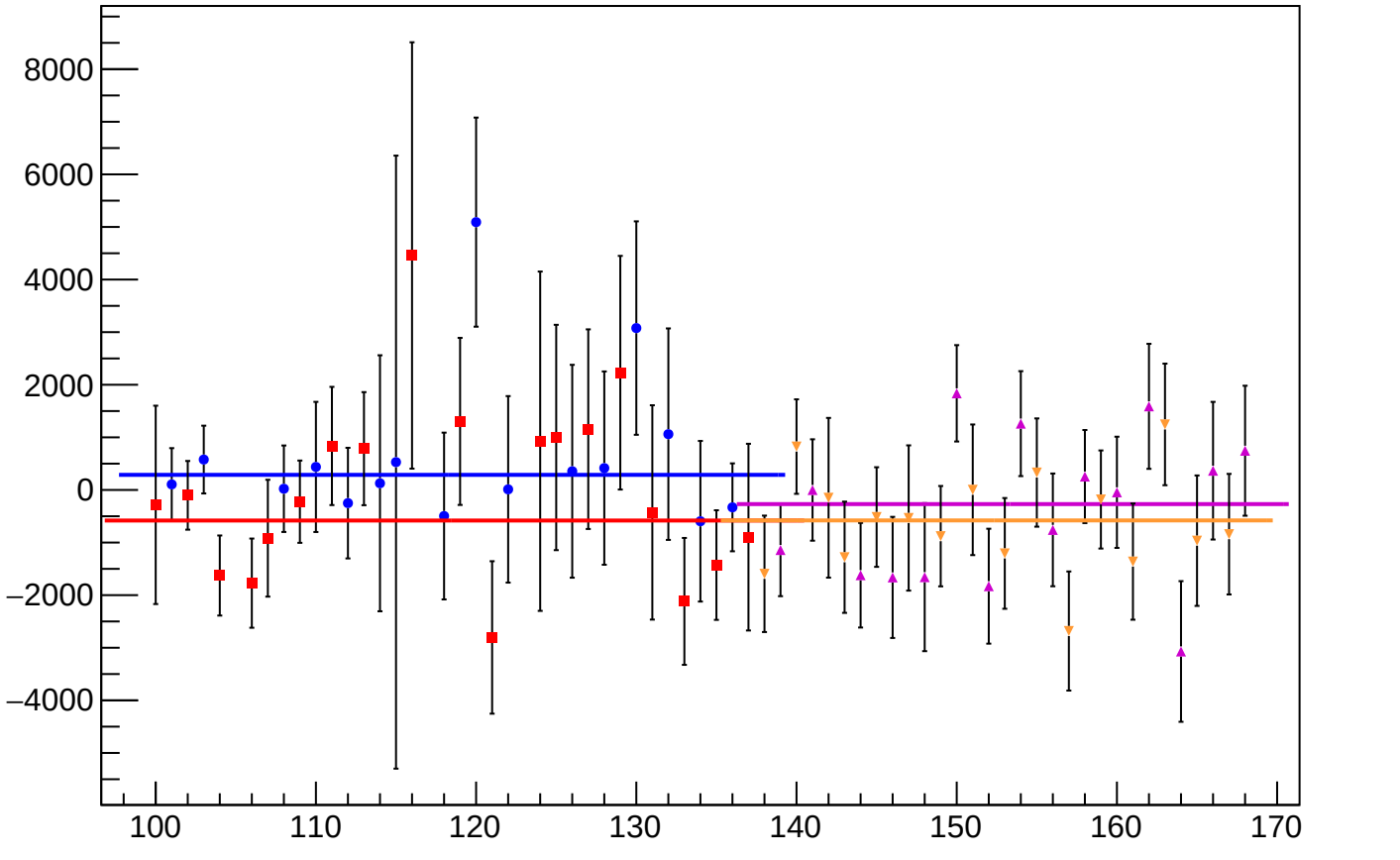
Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 152.835+/-0.031 χ^2/NDF:300700.6/14

+ sign 126.068+/-0.021 χ^2/NDF: 2386319.4/31

All: 124.205+/-0.014 χ^2/NDF: 5442313.9/65

- sign 122.414+/-0.020 χ^2/NDF: 3040019.5/33



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -579.227+/-271.879 χ^2/NDF:12.0/15

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

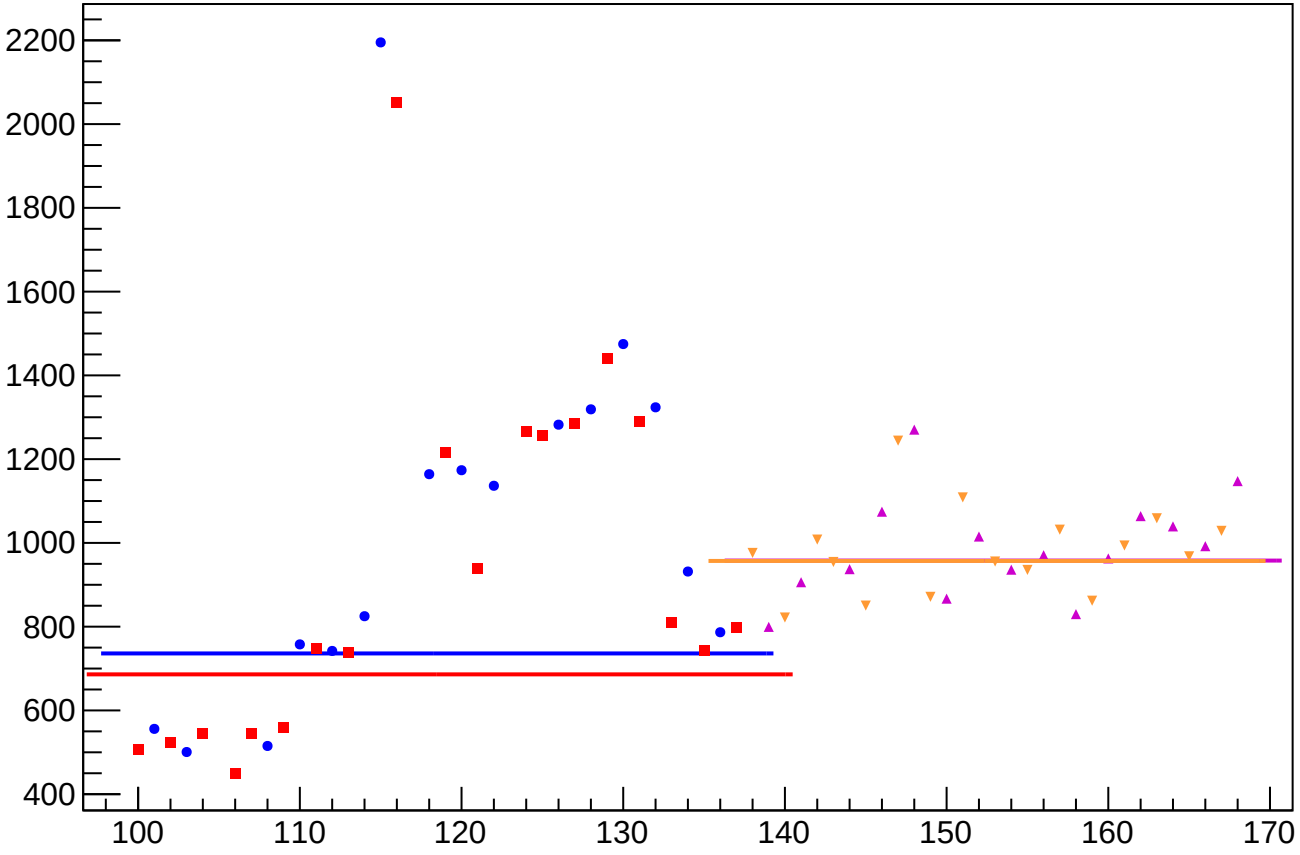
Left In: -268.828+/-274.944 χ^2/NDF:23.4/14

+ sign -179.192+/-199.445 χ^2/NDF: 26.4/31

All: -307.957+/-138.531 χ^2/NDF: 70.0/65

- sign -427.987+/-192.561 χ^2/NDF: 42.8/33

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 956.945+/-0.192 χ^2/NDF:262095.6/15

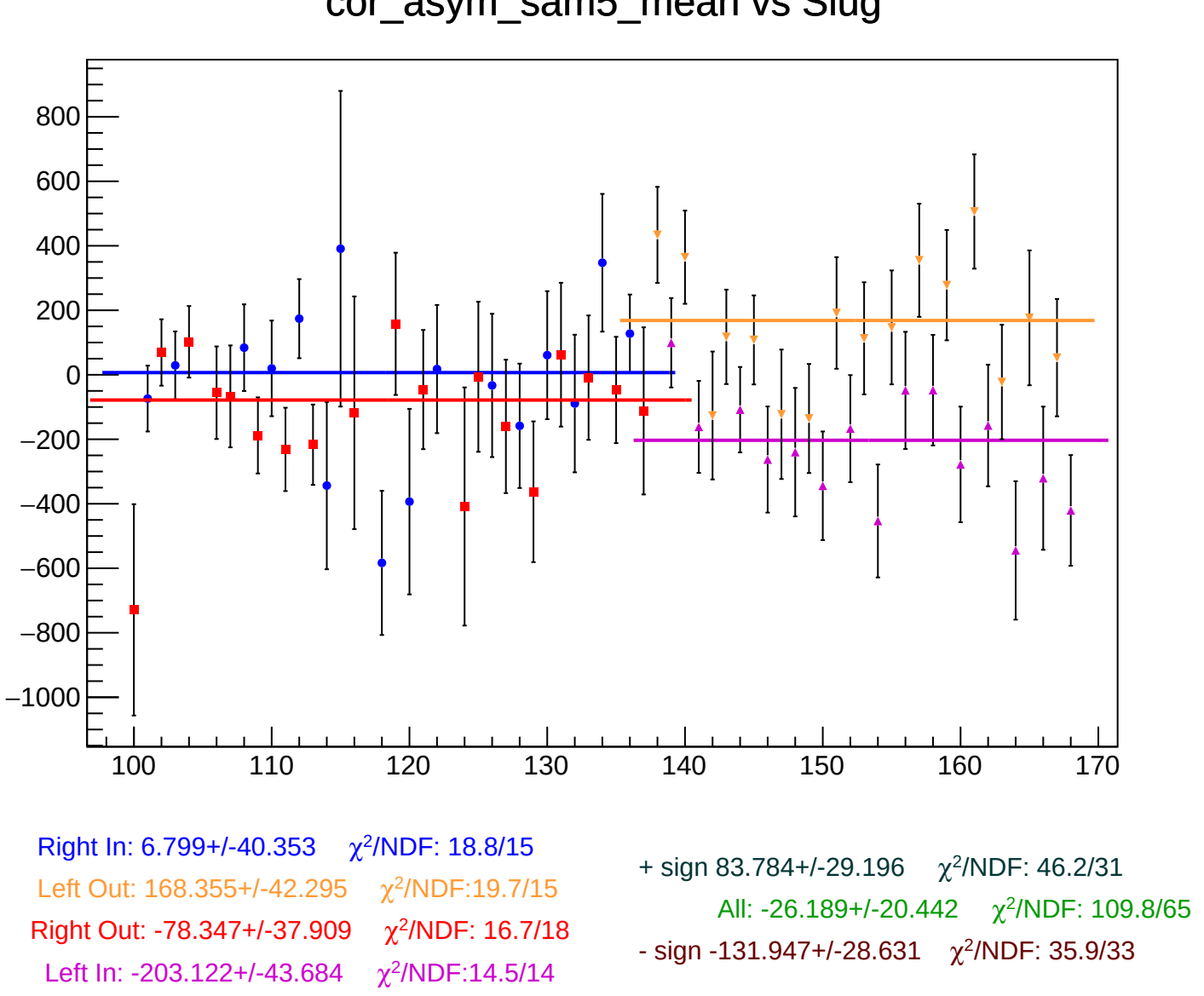
Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 957.791+/-0.194 χ^2/NDF:331142.6/14

+ sign 854.939+/-0.141 χ^2/NDF: 2716168.1/31

All: 836.531+/-0.098 χ^2/NDF: 5894353.5/65

- sign 819.372+/-0.136 χ^2/NDF: 3145267.9/33


cor_asym_sam5_mean vs Slug
800
600
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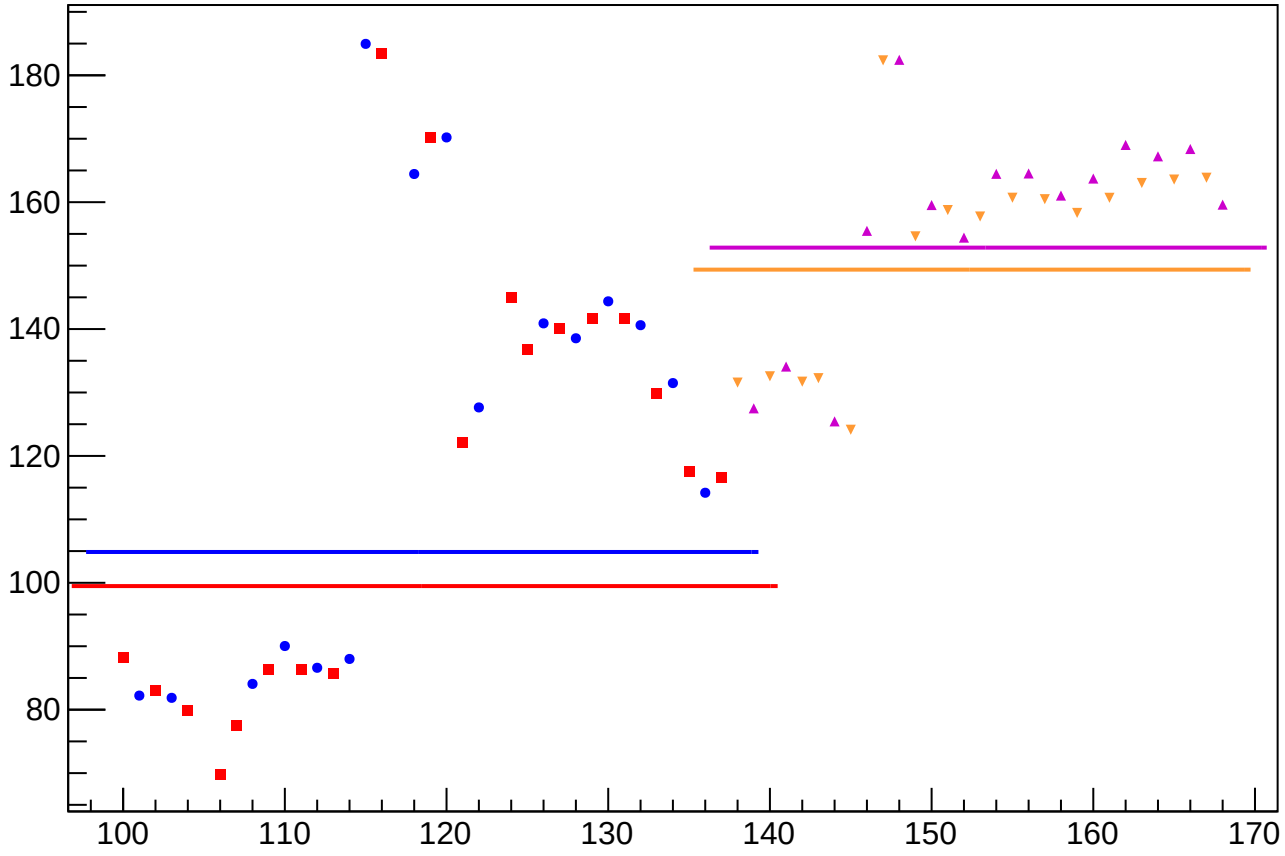
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 168.355+/-42.295 χ²/NDF:19.7/15
Right Out: -78.347+/-37.909 χ²/NDF: 16.7/18
Left In: -203.122+/-43.684 χ²/NDF:14.5/14
+ sign 83.784+/-29.196 χ²/NDF: 46.2/31
All: -26.189+/-20.442 χ²/NDF: 109.8/65
- sign -131.947+/-28.631 χ²/NDF: 35.9/33

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 149.367+/-0.030 χ^2/NDF:295719.4/15

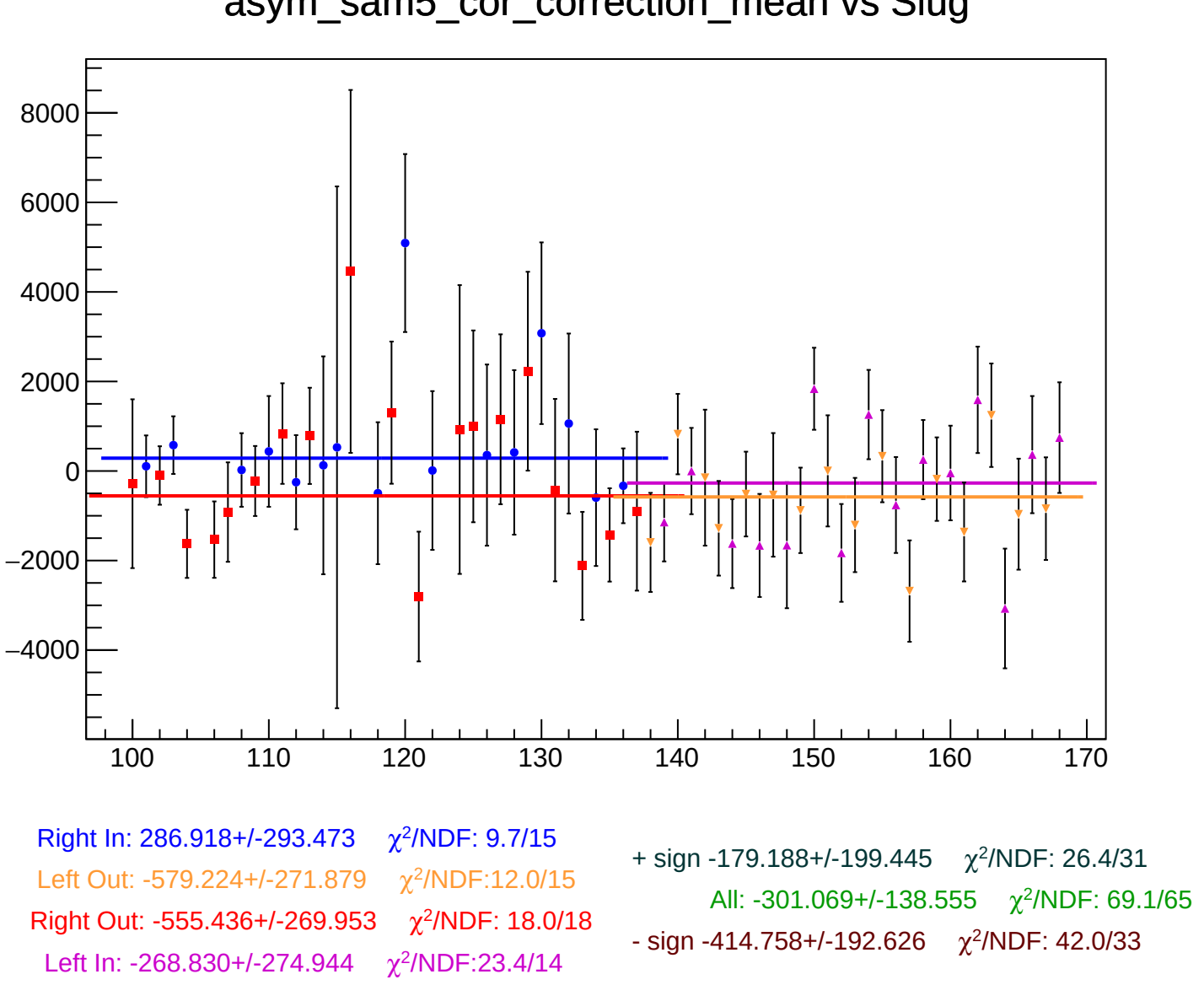
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 152.835+/-0.031 χ^2/NDF:300700.6/14

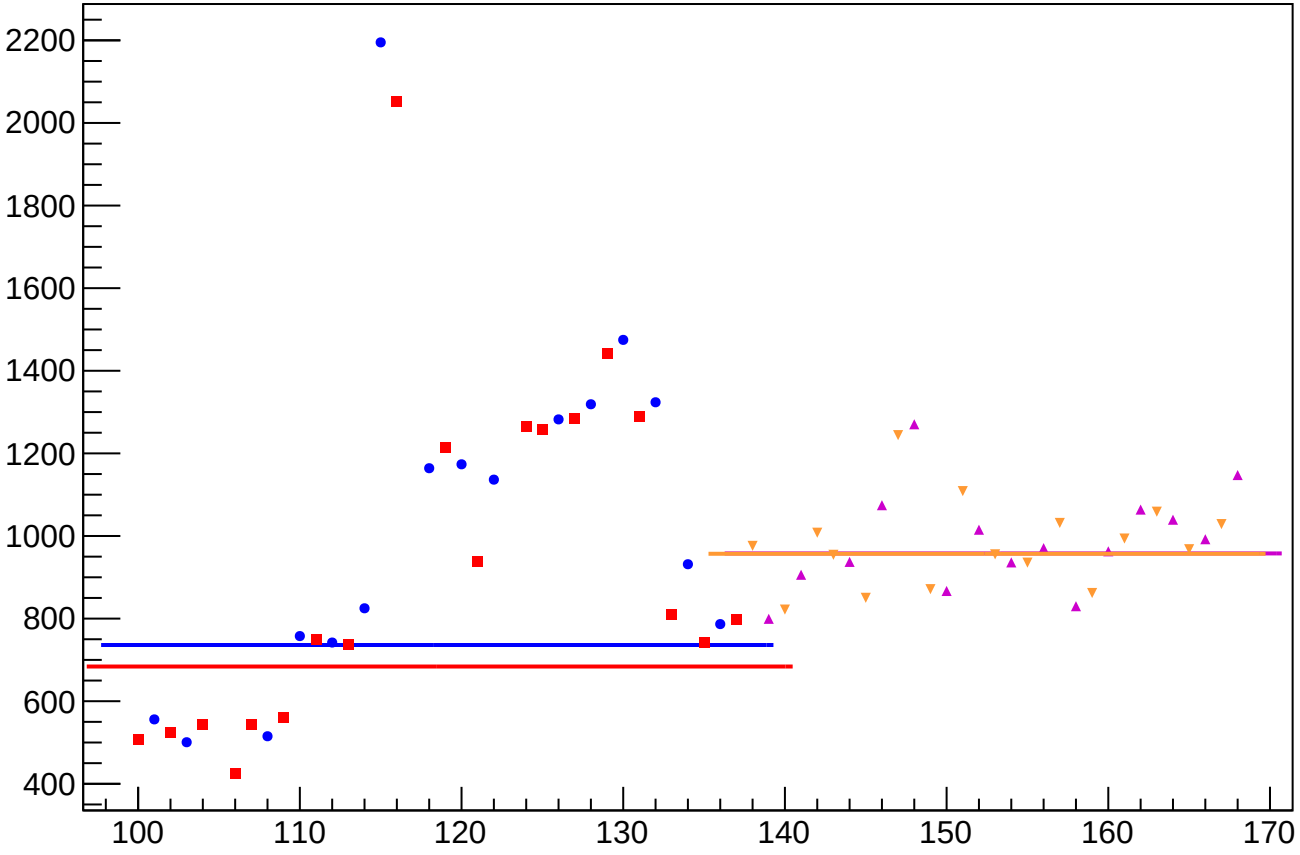
+ sign 126.068+/-0.021 χ^2/NDF: 2386317.8/31

All: 124.199+/-0.014 χ^2/NDF: 5446021.9/65

- sign 122.402+/-0.020 χ^2/NDF: 3043626.5/33


asym_sam5_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 286.918+/-293.473 χ²/NDF: 9.7/15
Left Out: -579.224+/-271.879 χ²/NDF:12.0/15
Right Out: -555.436+/-269.953 χ²/NDF: 18.0/18
Left In: -268.830+/-274.944 χ²/NDF:23.4/14
+ sign -179.188+/-199.445 χ²/NDF: 26.4/31
All: -301.069+/-138.555 χ²/NDF: 69.1/65
- sign -414.758+/-192.626 χ²/NDF: 42.0/33

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 956.946+/-0.192 χ^2/NDF:262095.1/15

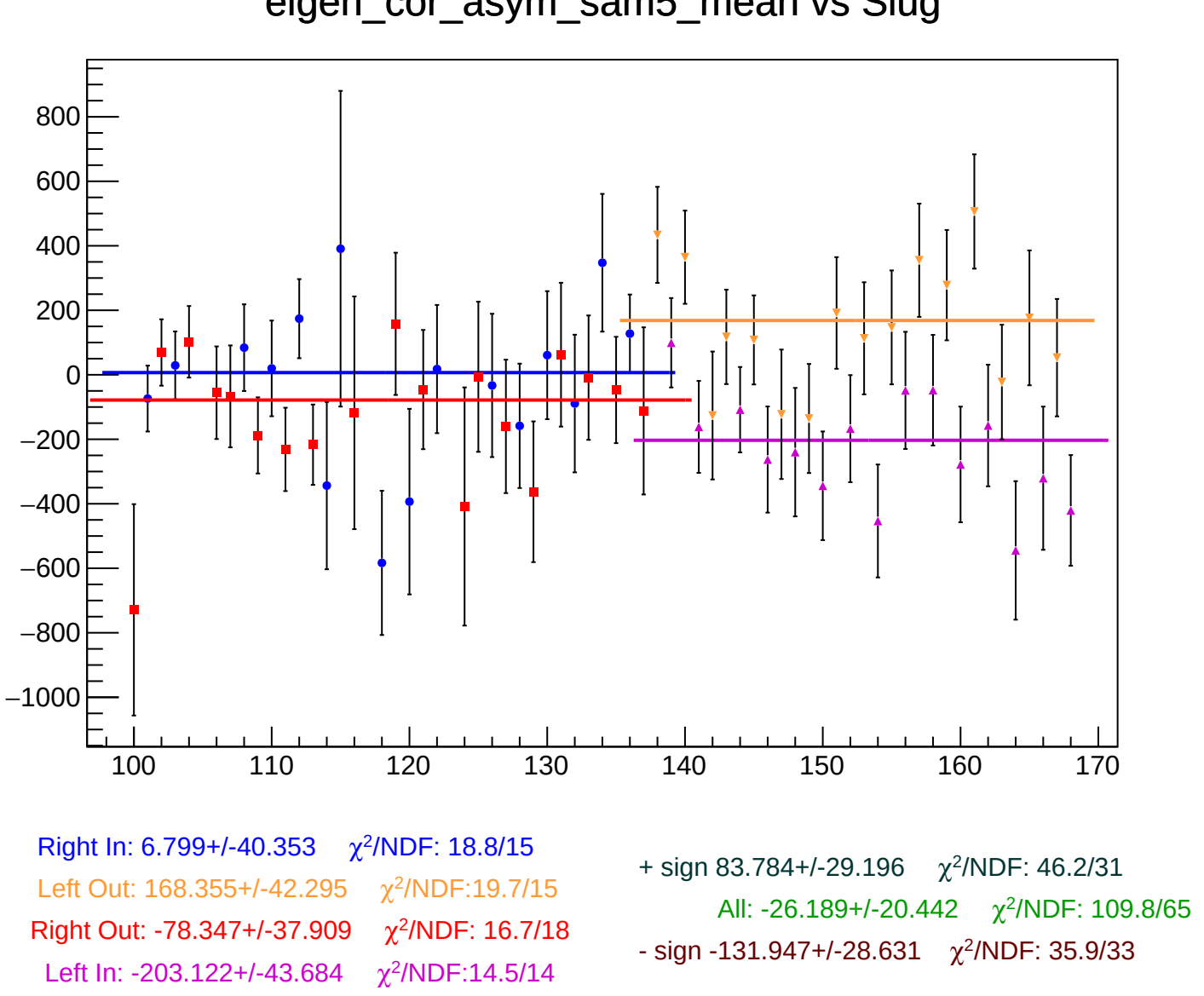
Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 957.792+/-0.194 χ^2/NDF:331144.5/14

+ sign 854.938+/-0.141 χ^2/NDF: 2716174.8/31

All: 836.023+/-0.098 χ^2/NDF: 5942432.9/65

- sign 818.378+/-0.136 χ^2/NDF: 3191487.6/33


eigen_cor_asym_sam5_mean vs Slug
800
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−1000
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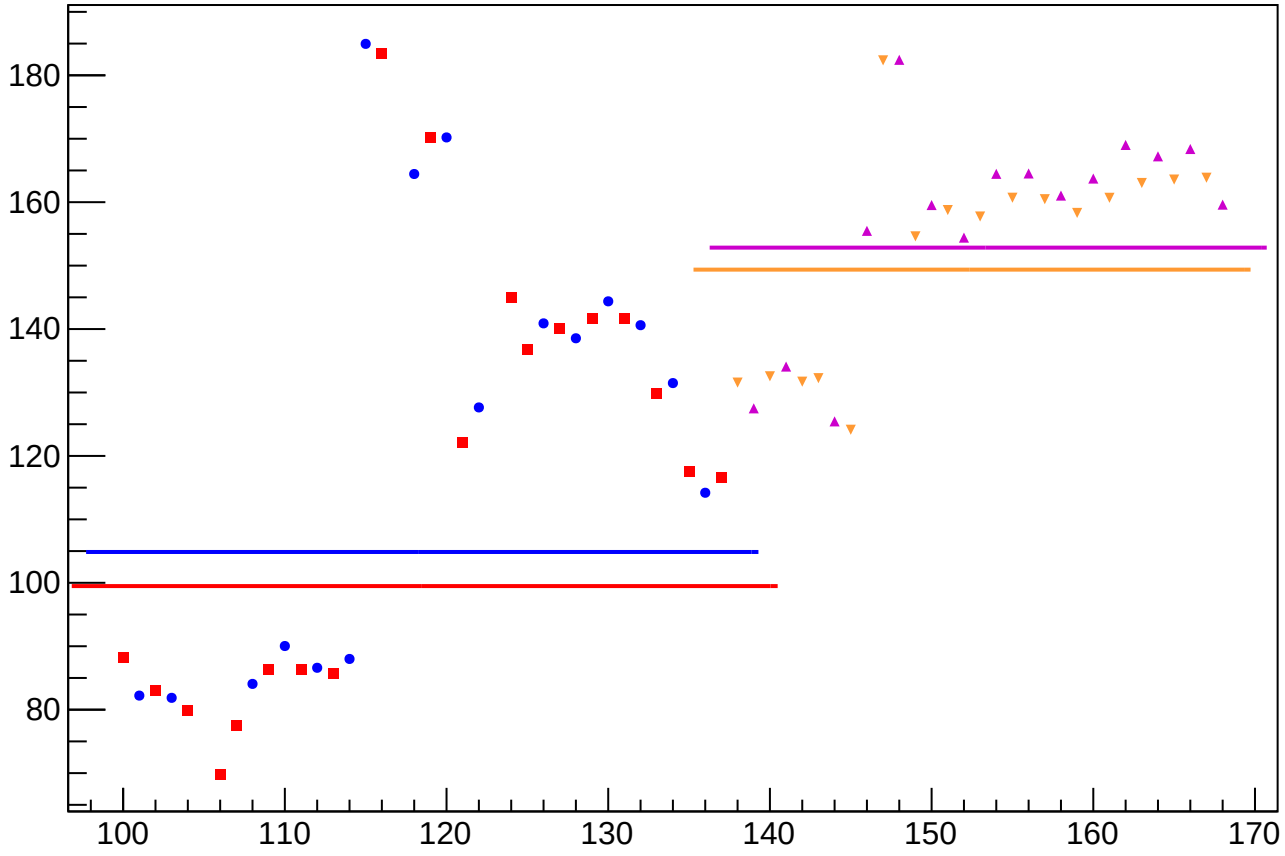
120
130
140
150
160
170
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 168.355+/-42.295 χ²/NDF:19.7/15
Right Out: -78.347+/-37.909 χ²/NDF: 16.7/18
Left In: -203.122+/-43.684 χ²/NDF:14.5/14
+ sign 83.784+/-29.196 χ²/NDF: 46.2/31
All: -26.189+/-20.442 χ²/NDF: 109.8/65
- sign -131.947+/-28.631 χ²/NDF: 35.9/33

eigen_cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 149.367+/-0.030 χ^2/NDF:295719.4/15

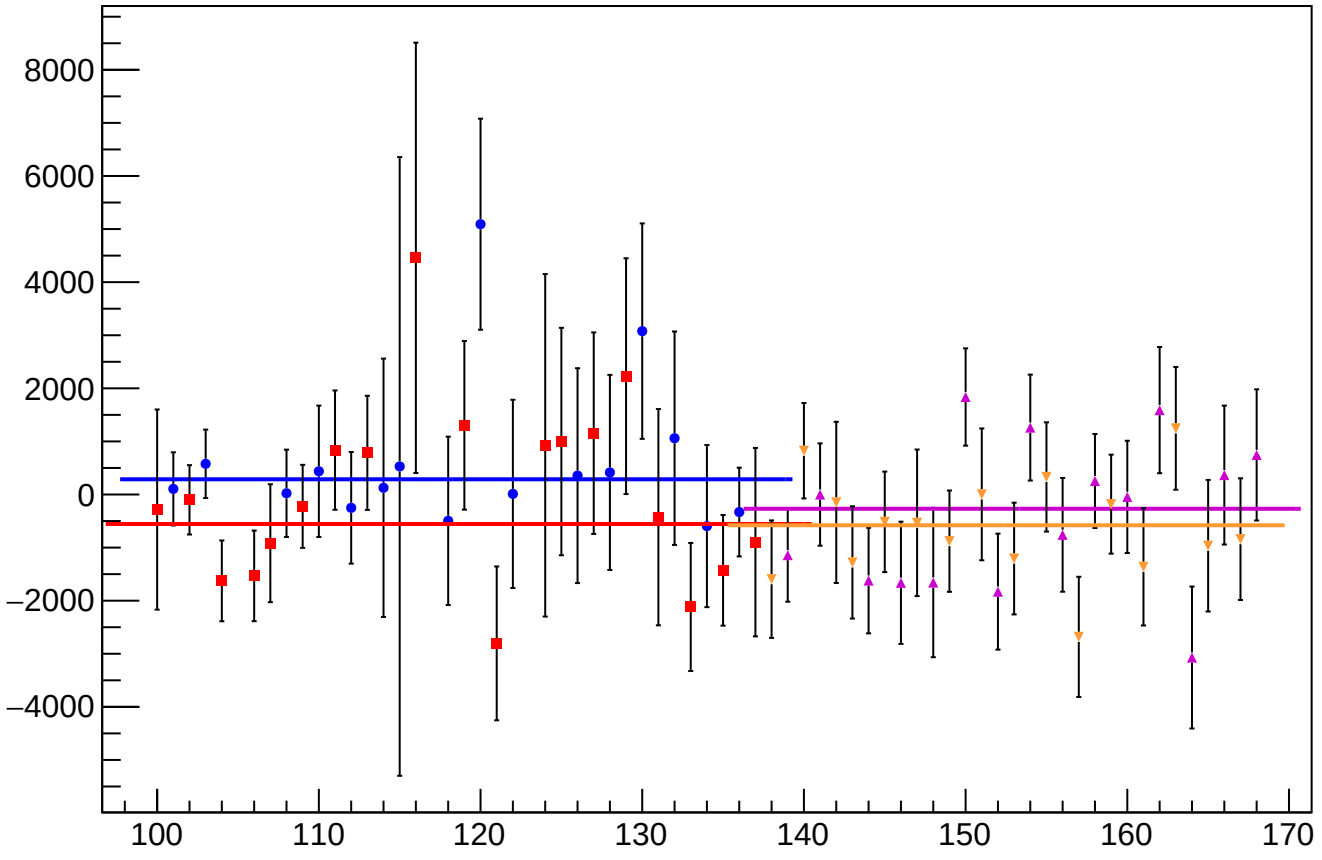
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 152.835+/-0.031 χ^2/NDF:300700.6/14

+ sign 126.068+/-0.021 χ^2/NDF: 2386317.8/31

All: 124.199+/-0.014 χ^2/NDF: 5446021.9/65

- sign 122.402+/-0.020 χ^2/NDF: 3043626.5/33



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -579.224+/-271.879 χ^2/NDF:12.0/15

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

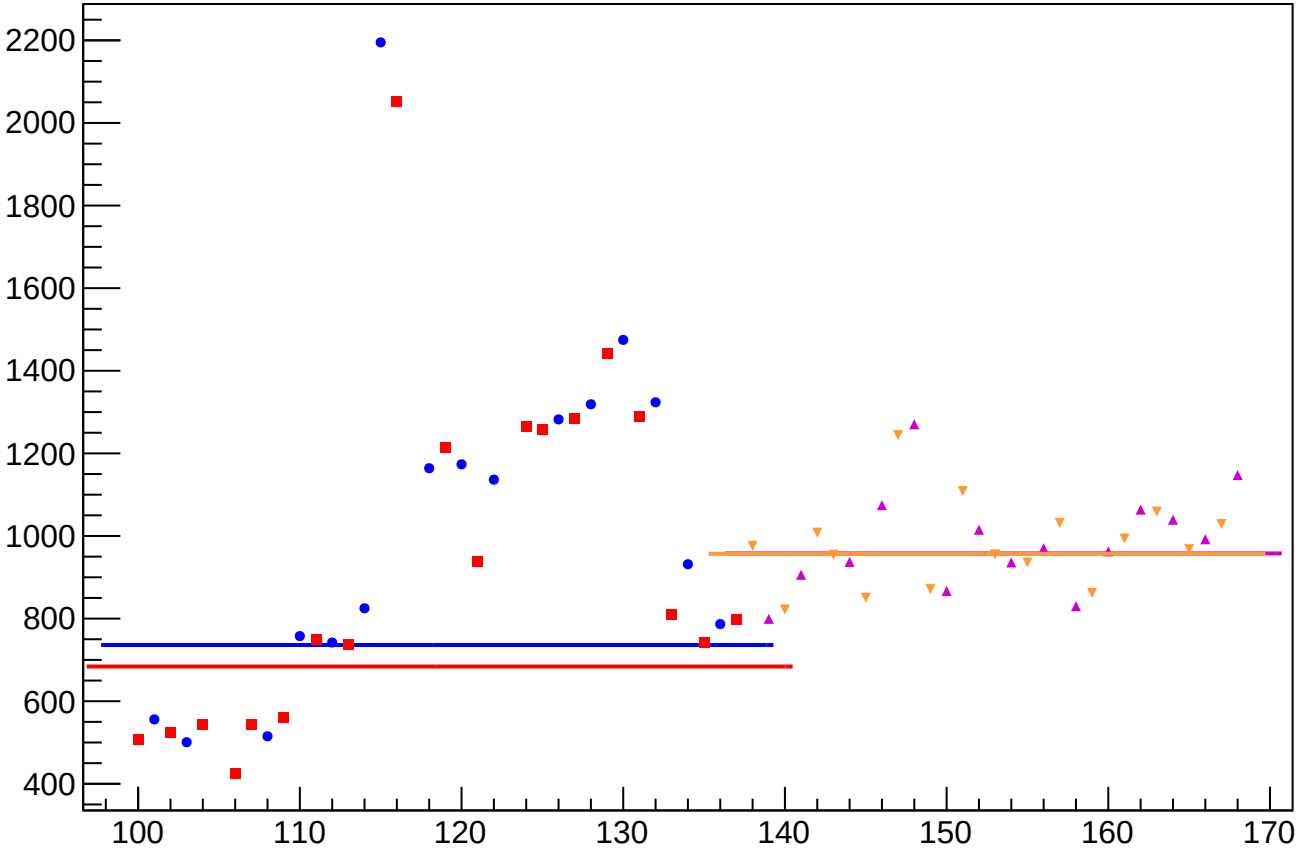
Left In: -268.830+/-274.944 χ^2/NDF:23.4/14

+ sign -179.188+/-199.445 χ^2/NDF: 26.4/31

All: -301.069+/-138.555 χ^2/NDF: 69.1/65

- sign -414.758+/-192.626 χ^2/NDF: 42.0/33

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 956.946+/-0.192 χ^2/NDF:262095.1/15

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

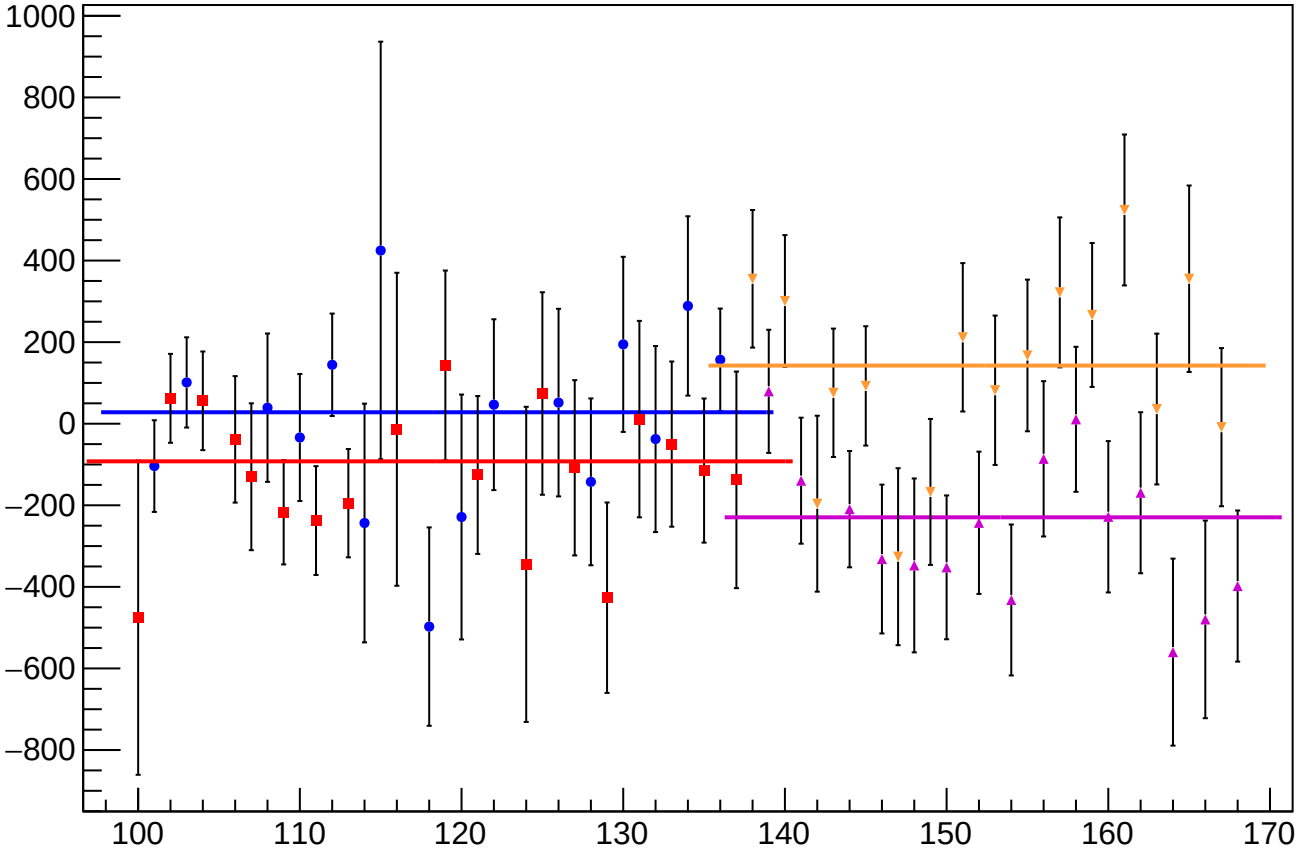
Left In: 957.792+/-0.194 χ^2/NDF:331144.5/14

+ sign 854.938+/-0.141 χ^2/NDF: 2716174.8/31

All: 836.023+/-0.098 χ^2/NDF: 5942432.9/65

- sign 818.378+/-0.136 χ^2/NDF: 3191487.6/33

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 142.563+/-45.200 χ^2/NDF:20.8/15

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

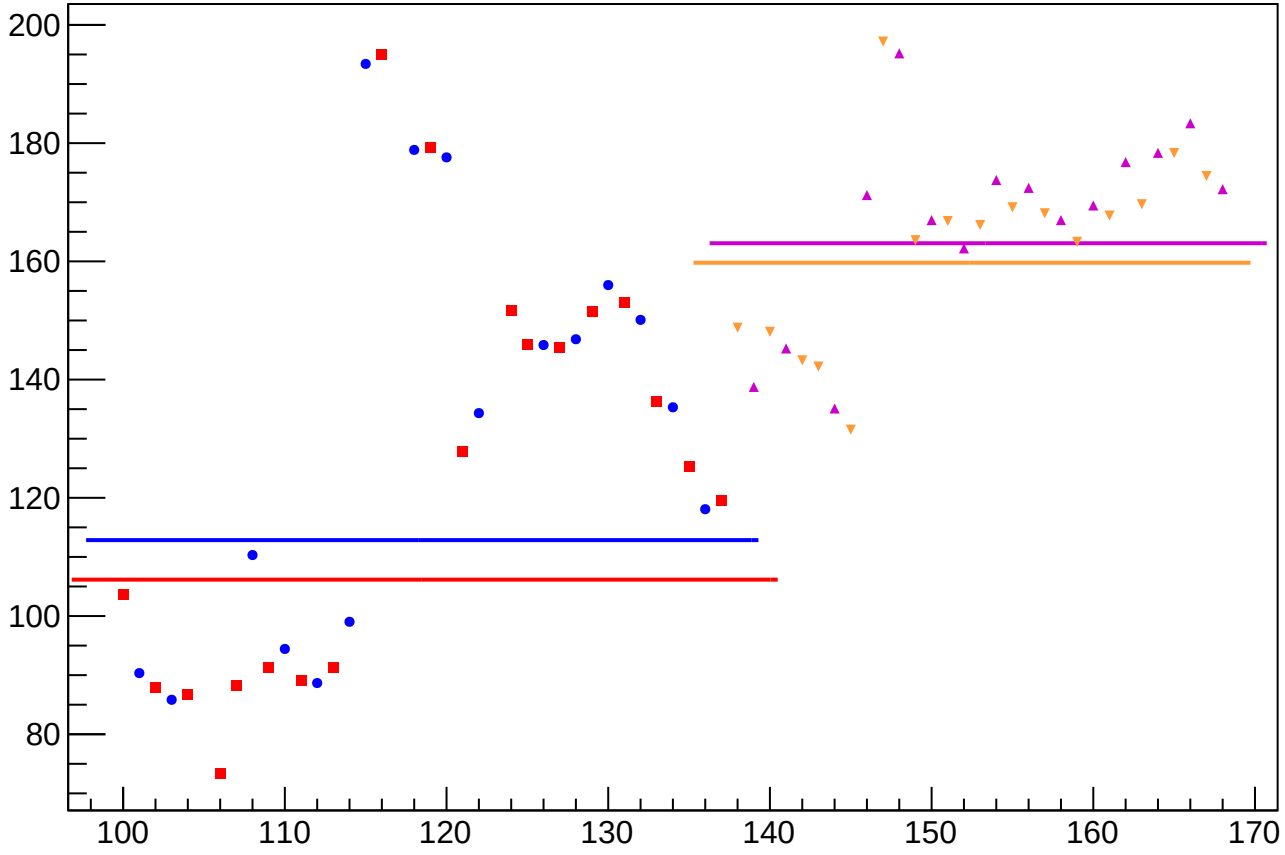
Left In: -229.461+/-46.605 χ^2/NDF:13.3/14

+ sign 83.055+/-31.320 χ^2/NDF: 37.6/31

All: -36.924+/-21.883 χ^2/NDF: 96.3/65

- sign -151.349+/-30.587 χ^2/NDF: 30.0/33

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 159.771+/-0.032 χ^2/NDF:240091.2/15

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

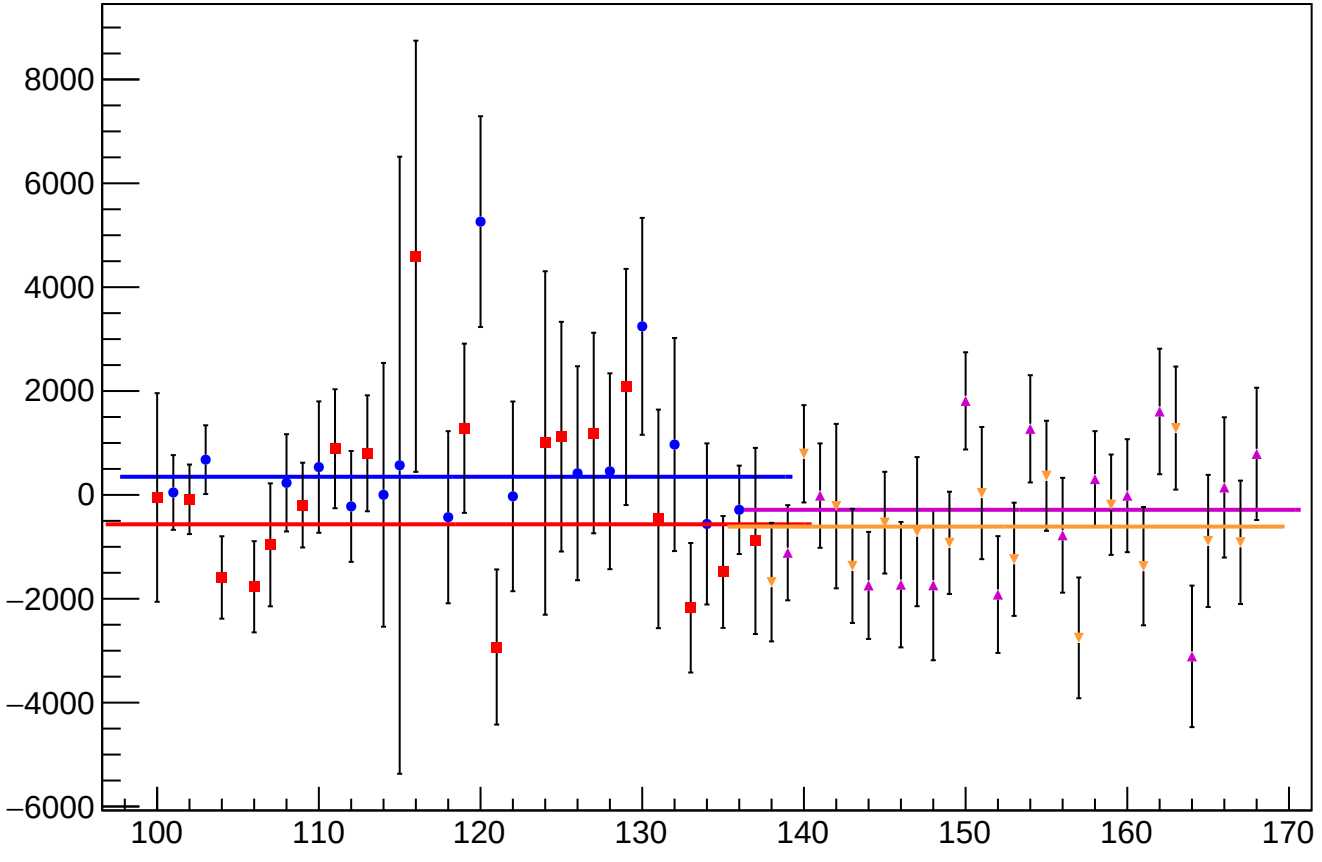
Left In: 163.064+/-0.033 χ^2/NDF:258016.2/14

+ sign 135.375+/-0.022 χ^2/NDF: 2233085.2/31

All: 132.966+/-0.015 χ^2/NDF: 5213805.2/65

- sign 130.669+/-0.022 χ^2/NDF: 2957613.6/33

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -610.138+/-281.012 χ^2/NDF:11.9/15

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

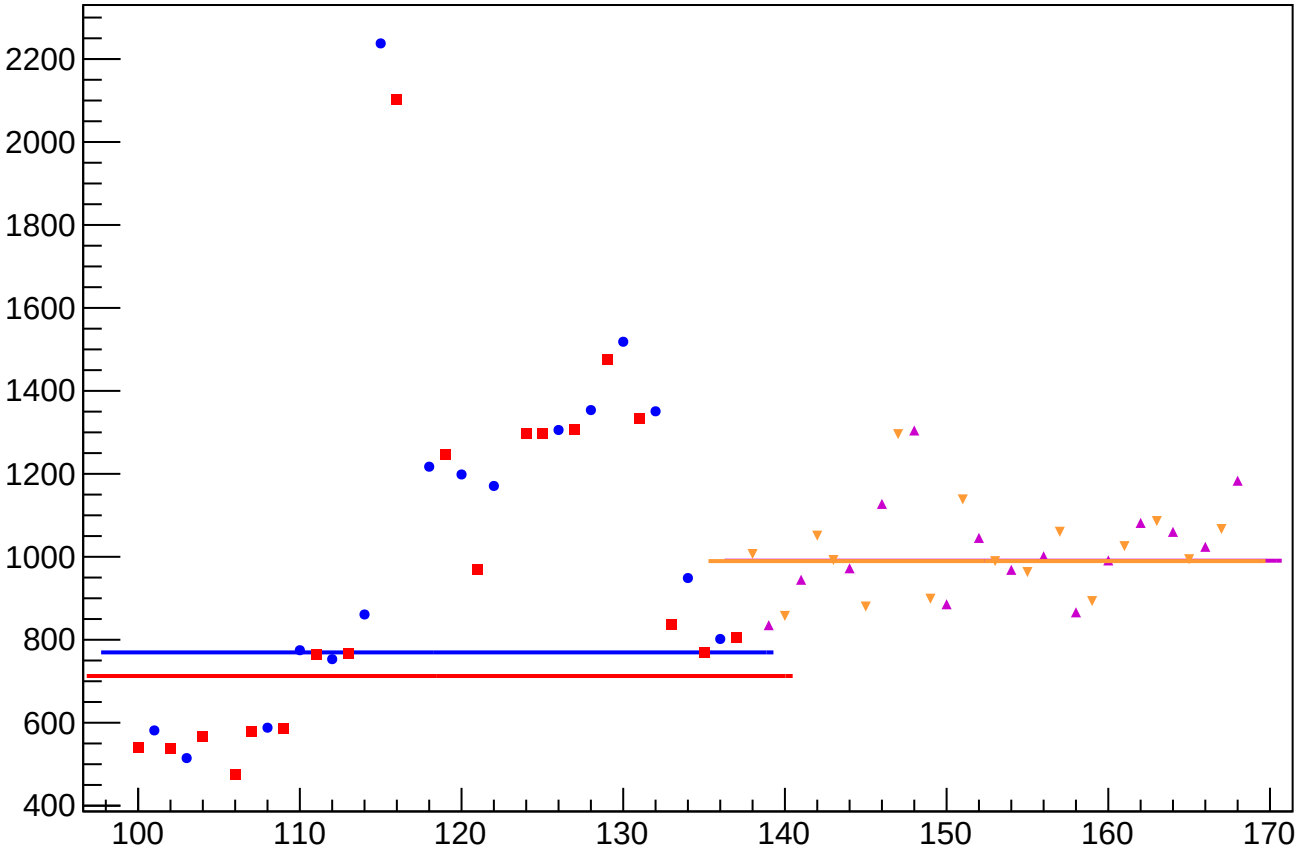
Left In: -286.966+/-284.165 χ^2/NDF:23.0/14

\+ sign -170.225+/-206.768 χ^2/NDF: 27.1/31

All: -304.431+/-143.443 χ^2/NDF: 69.6/65

\- sign -428.946+/-199.163 χ^2/NDF: 41.8/33

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 989.678+/-0.199 χ^2/NDF:255675.9/15

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

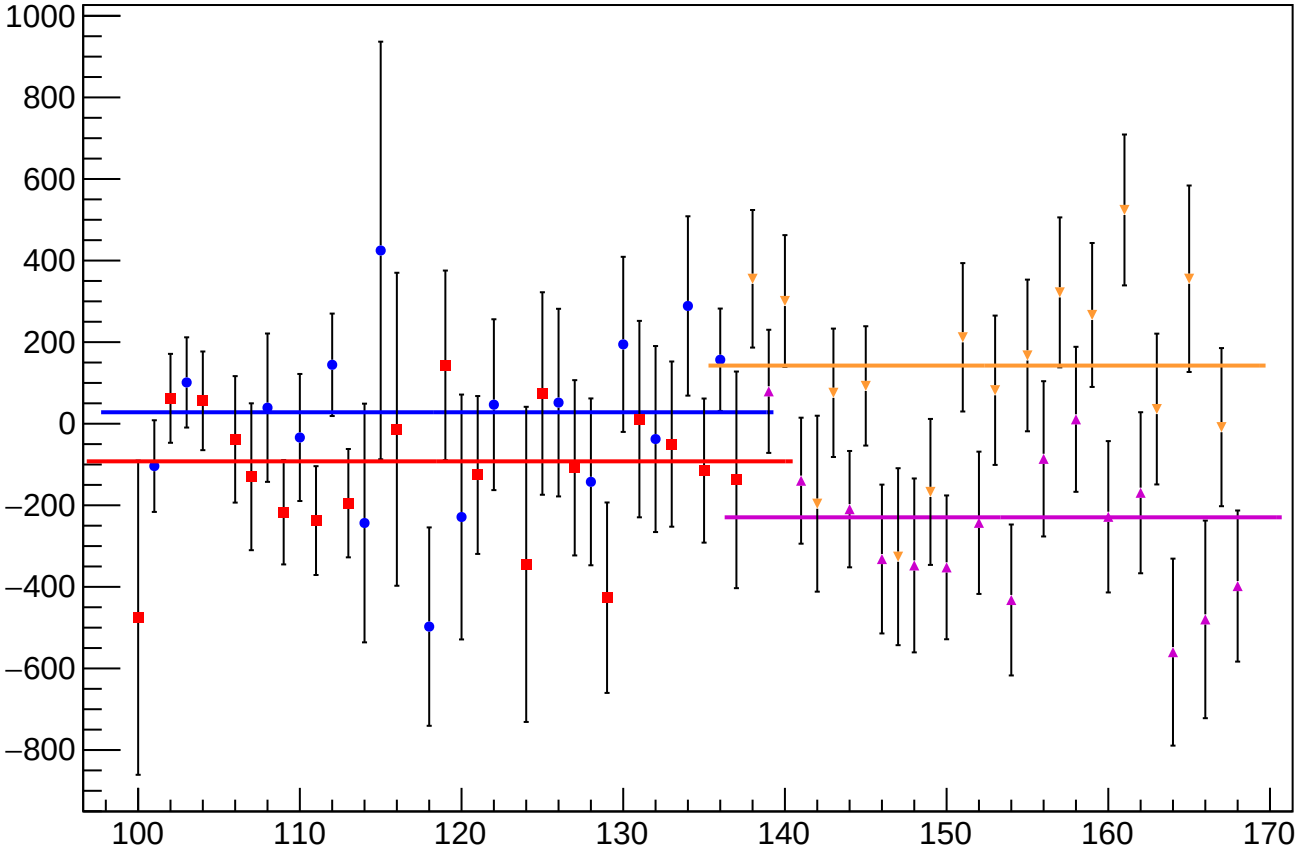
Left In: 990.633+/-0.201 χ^2/NDF:313645.8/14

+ sign 888.731+/-0.146 χ^2/NDF: 2558392.1/31

All: 868.220+/-0.101 χ^2/NDF: 5651122.2/65

- sign 849.190+/-0.141 χ^2/NDF: 3054790.6/33

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 142.564+/-45.200 χ^2/NDF:20.8/15

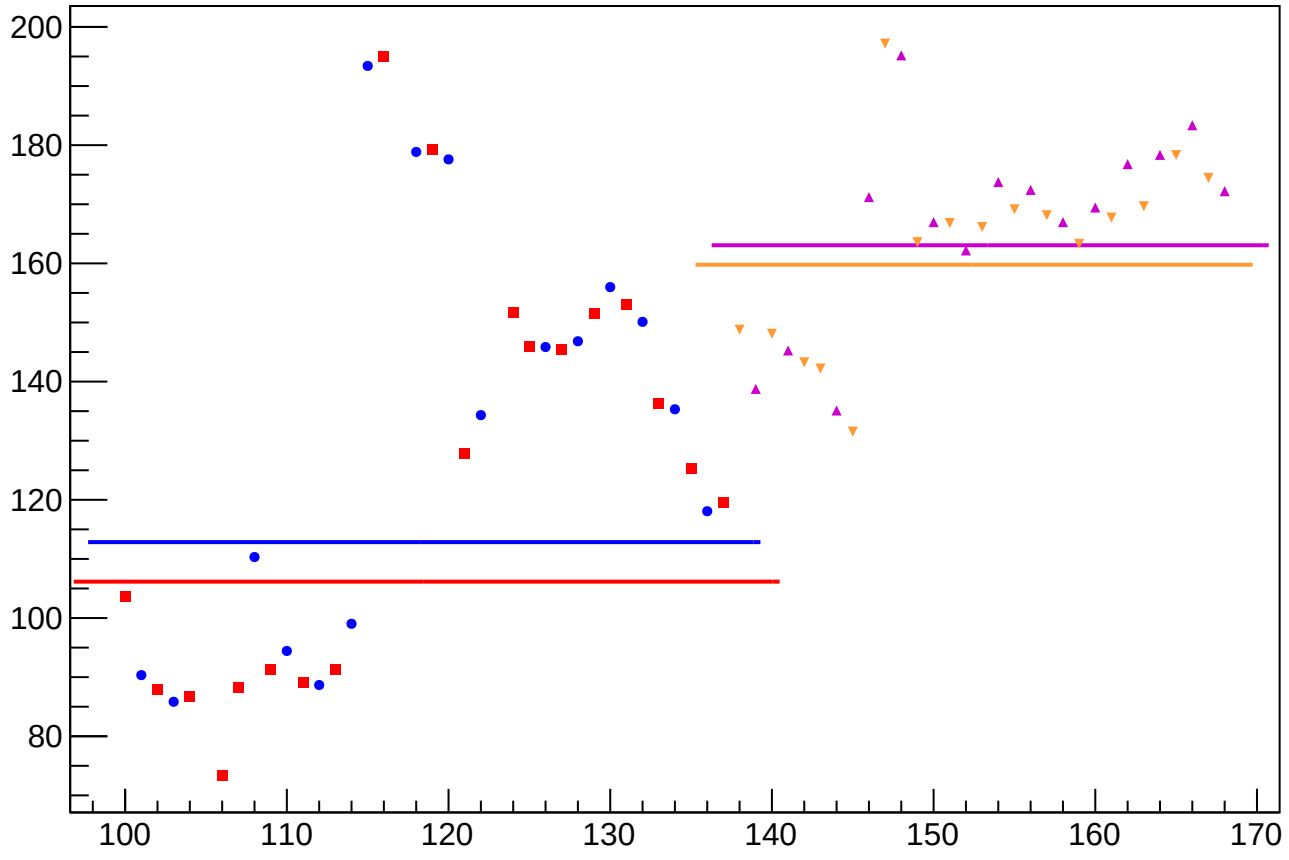
Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: -229.463+/-46.605 χ^2/NDF:13.3/14

+ sign 83.054+/-31.320 χ^2/NDF: 37.6/31

All: -36.924+/-21.883 χ^2/NDF: 96.3/65

- sign -151.349+/-30.587 χ^2/NDF: 30.0/33



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 159.772+/-0.032 χ^2/NDF:240091.2/15

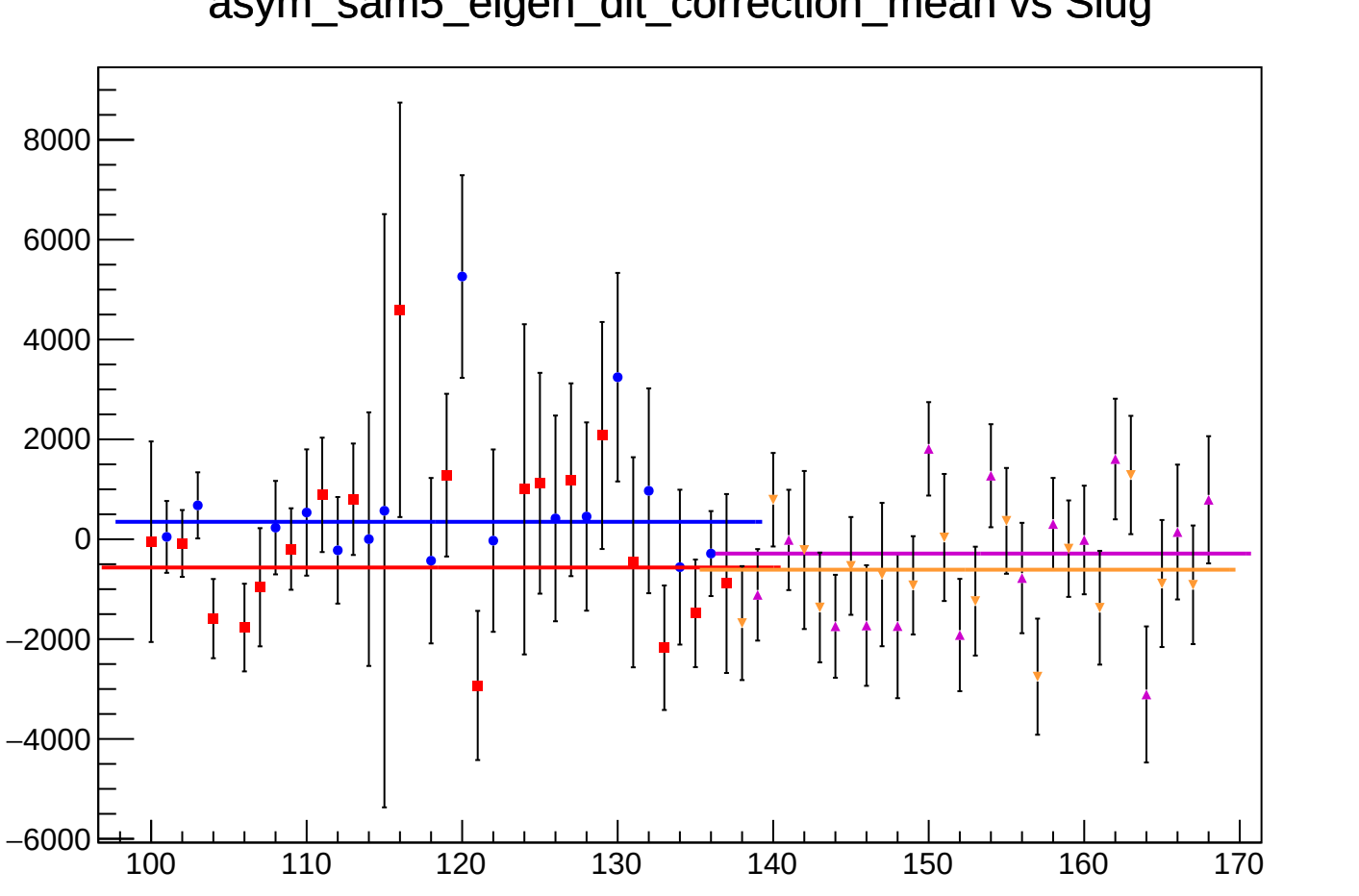
Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 163.064+/-0.033 χ^2/NDF:258010.2/14

+ sign 135.375+/-0.022 χ^2/NDF: 2233103.0/31

All: 132.966+/-0.015 χ^2/NDF: 5213833.1/65

- sign 130.669+/-0.022 χ^2/NDF: 2957624.2/33



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -610.137+/-281.012 χ^2/NDF:11.9/15

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

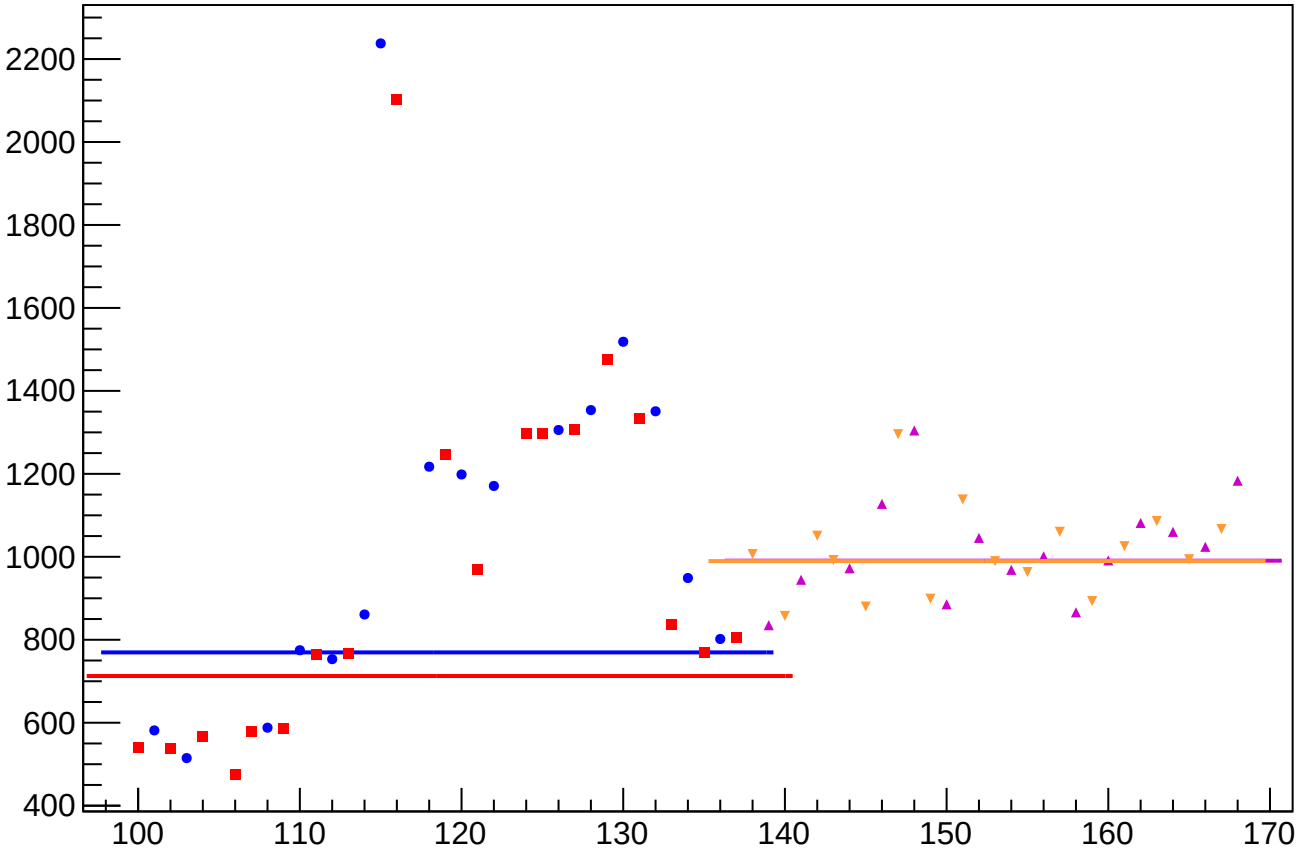
Left In: -286.966+/-284.165 χ^2/NDF:23.0/14

\+ sign -170.224+/-206.768 χ^2/NDF: 27.1/31

All: -304.431+/-143.443 χ^2/NDF: 69.6/65

\- sign -428.946+/-199.163 χ^2/NDF: 41.8/33

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 989.680+/-0.199 χ^2/NDF:255675.4/15

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

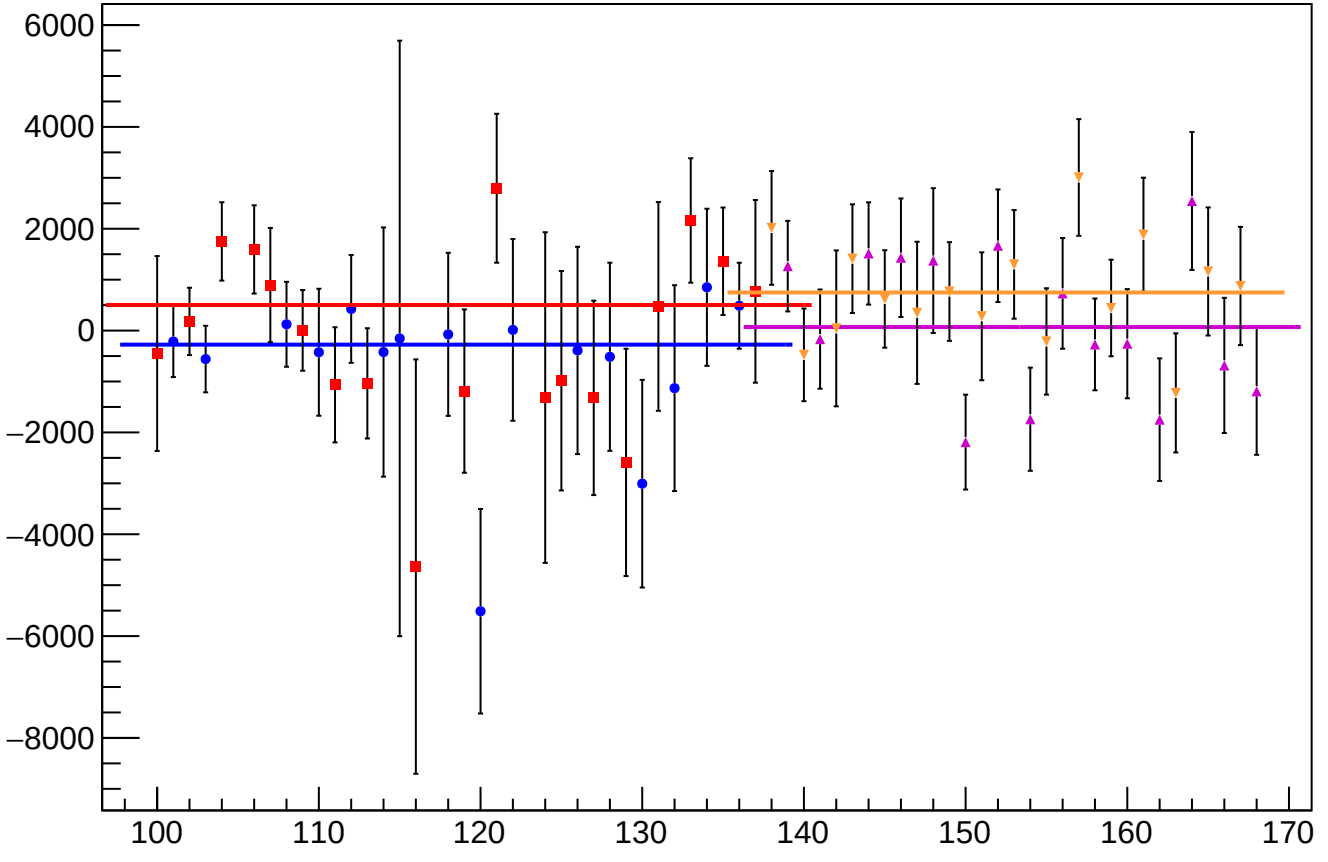
Left In: 990.634+/-0.201 χ^2/NDF:313644.8/14

+ sign 888.731+/-0.146 χ^2/NDF: 2558402.2/31

All: 868.220+/-0.101 χ^2/NDF: 5651141.5/65

- sign 849.190+/-0.141 χ^2/NDF: 3054799.4/33

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 748.566+/-275.350 χ^2/NDF:13.0/15

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

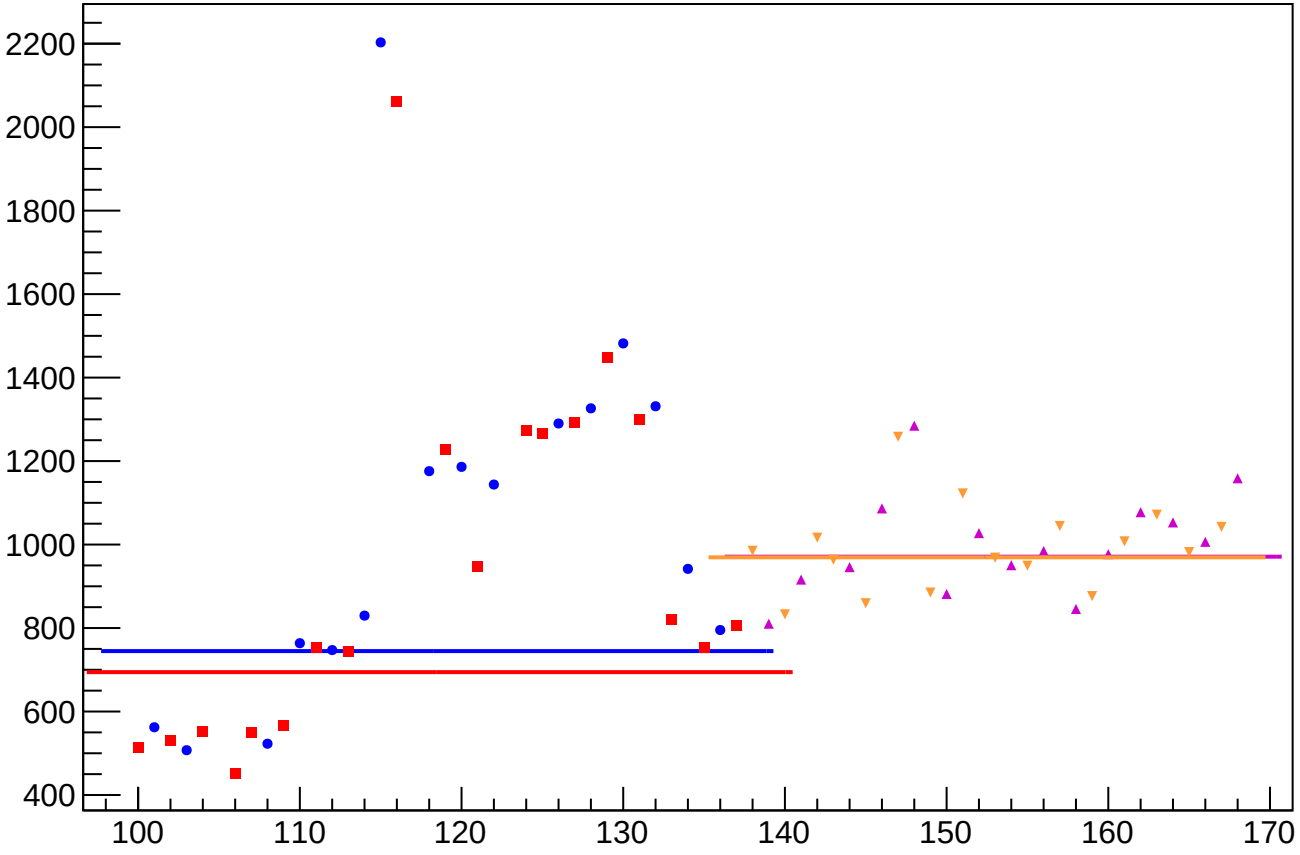
Left In: 69.374+/-278.636 χ^2/NDF:24.9/14

+ sign 274.392+/-201.831 χ^2/NDF: 30.5/31

All: 282.519+/-140.238 χ^2/NDF: 77.1/65

- sign 290.106+/-194.999 χ^2/NDF: 46.6/33

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 969.404+/-0.195 χ^2/NDF:258523.6/15

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

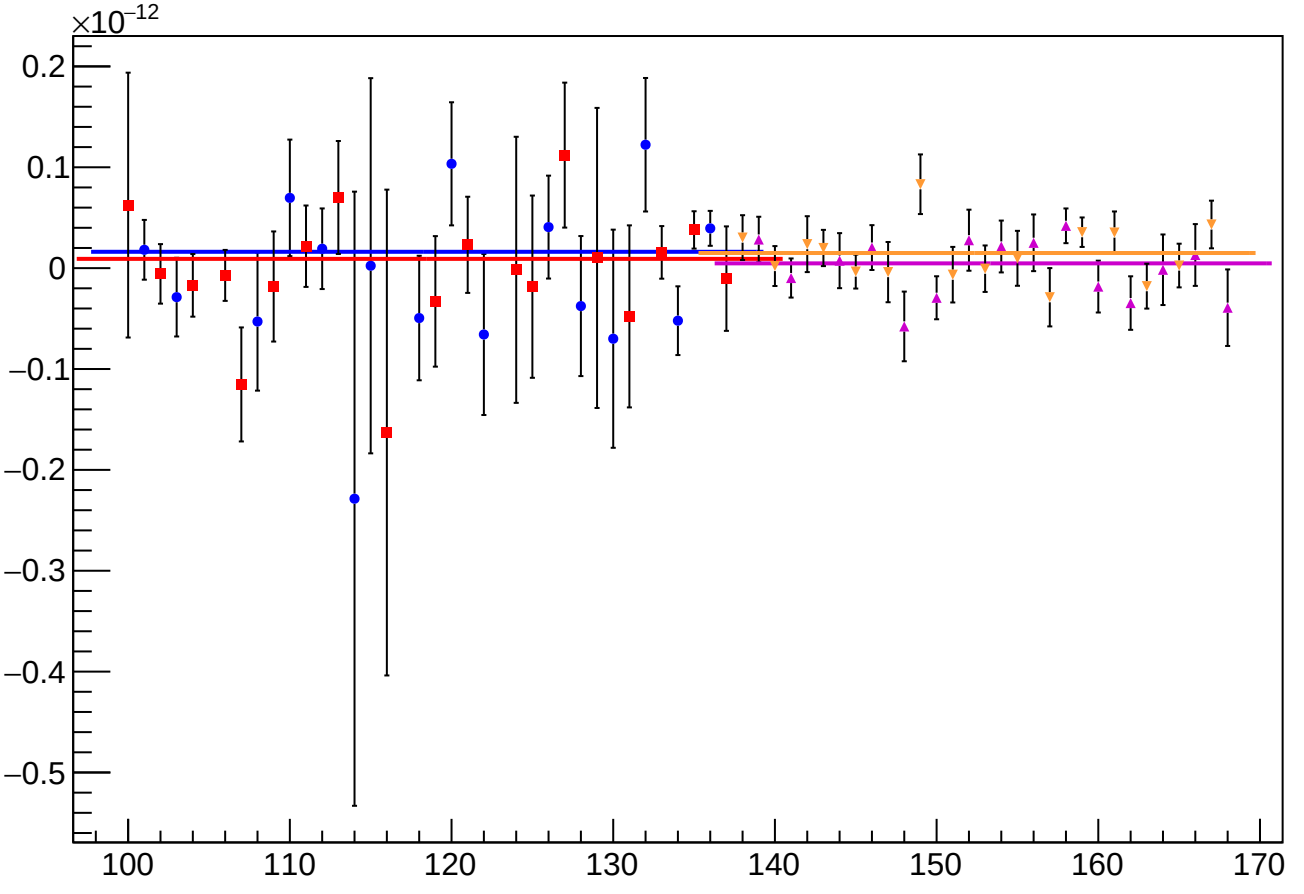
Left In: 970.956+/-0.197 χ^2/NDF:323152.8/14

+ sign 865.468+/-0.143 χ^2/NDF: 2696926.9/31

All: 847.031+/-0.099 χ^2/NDF: 5861754.8/65

- sign 829.822+/-0.138 χ^2/NDF: 3132561.7/33

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:18.3/15

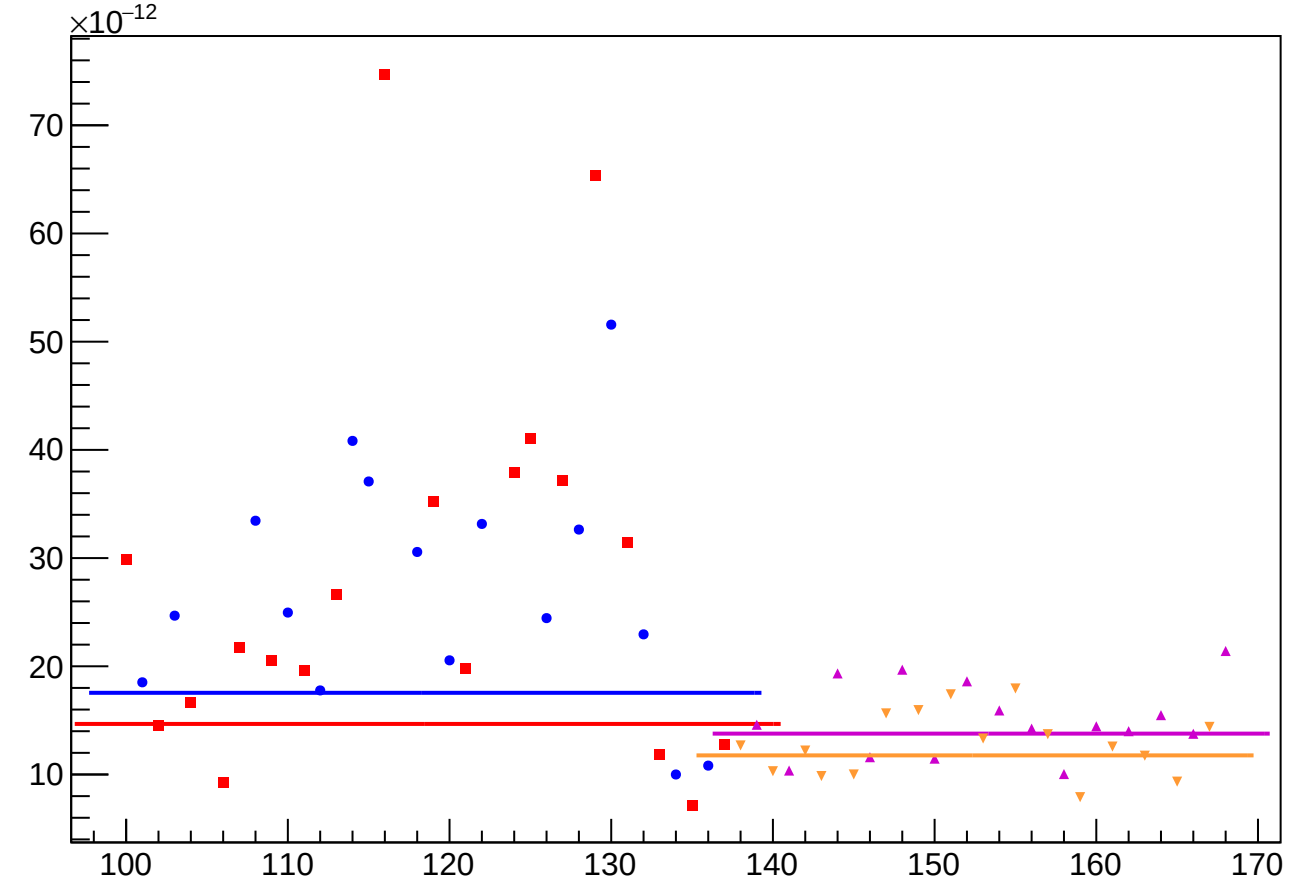
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:18.7/14

+ sign 0.000+/-0.000 χ^2/NDF: 36.2/31

All: 0.000+/-0.000 χ^2/NDF: 70.7/65

- sign 0.000+/-0.000 χ^2/NDF: 32.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:531400.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

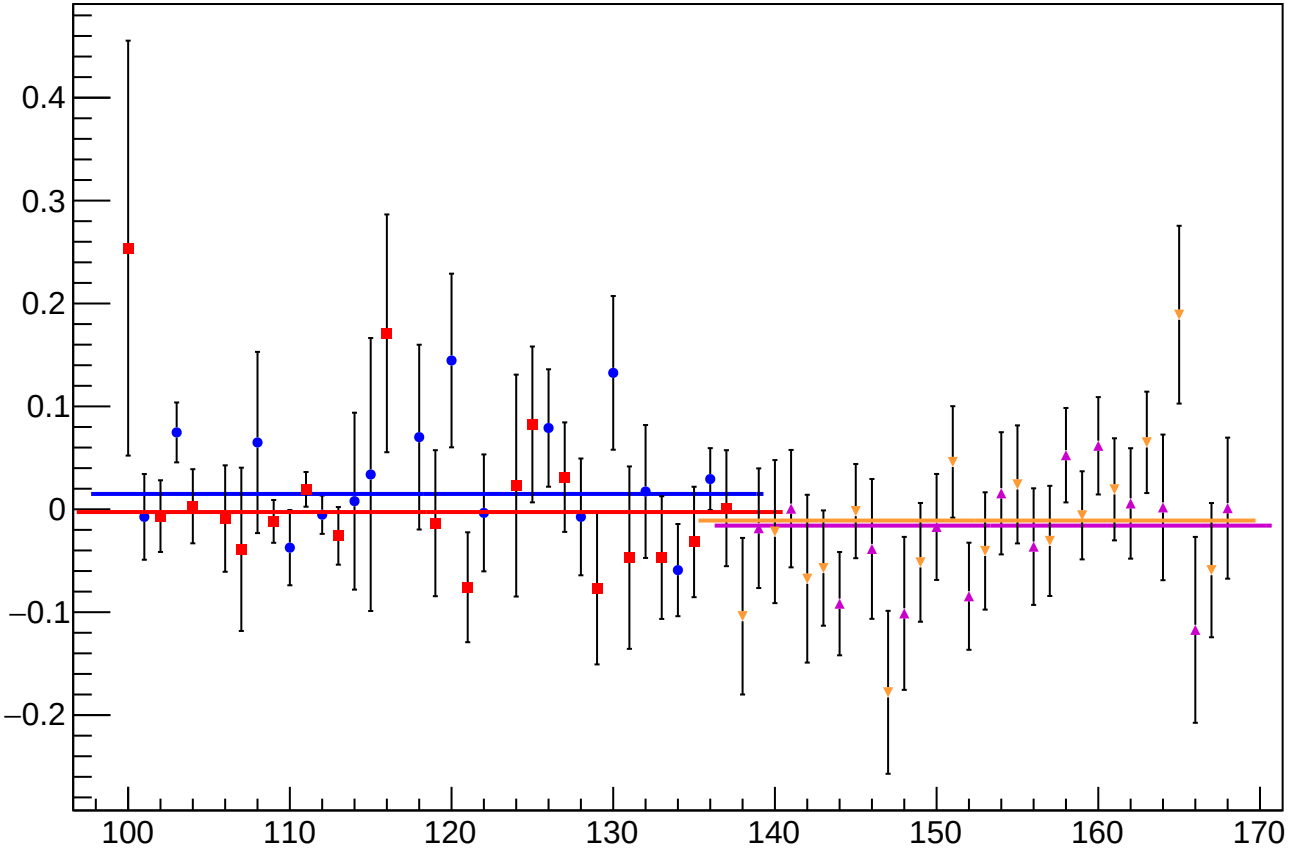
Left In: 0.000+/-0.000 χ^2/NDF:496149.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 2152346.1/31

All: 0.000+/-0.000 χ^2/NDF: 4448835.9/65

- sign 0.000+/-0.000 χ^2/NDF: 2250097.3/33

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.011+/-0.014 χ^2/NDF:18.2/15

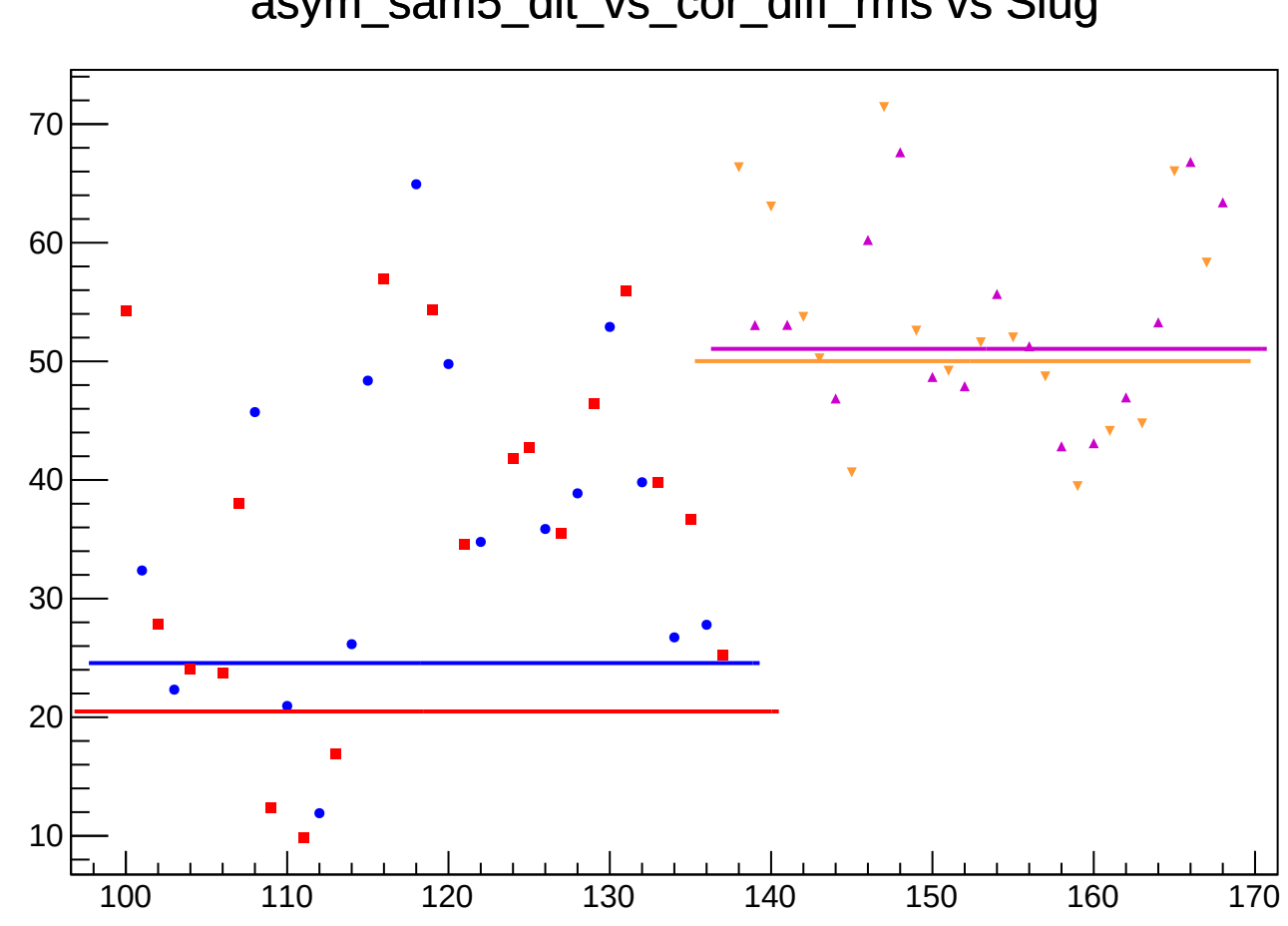
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.016+/-0.015 χ^2/NDF:12.4/14

+ sign 0.006+/-0.009 χ^2/NDF: 38.1/31

All: -0.001+/-0.006 χ^2/NDF: 64.6/65

- sign -0.006+/-0.008 χ^2/NDF: 25.4/33



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.021+/-0.010 χ^2/NDF:679719.3/15

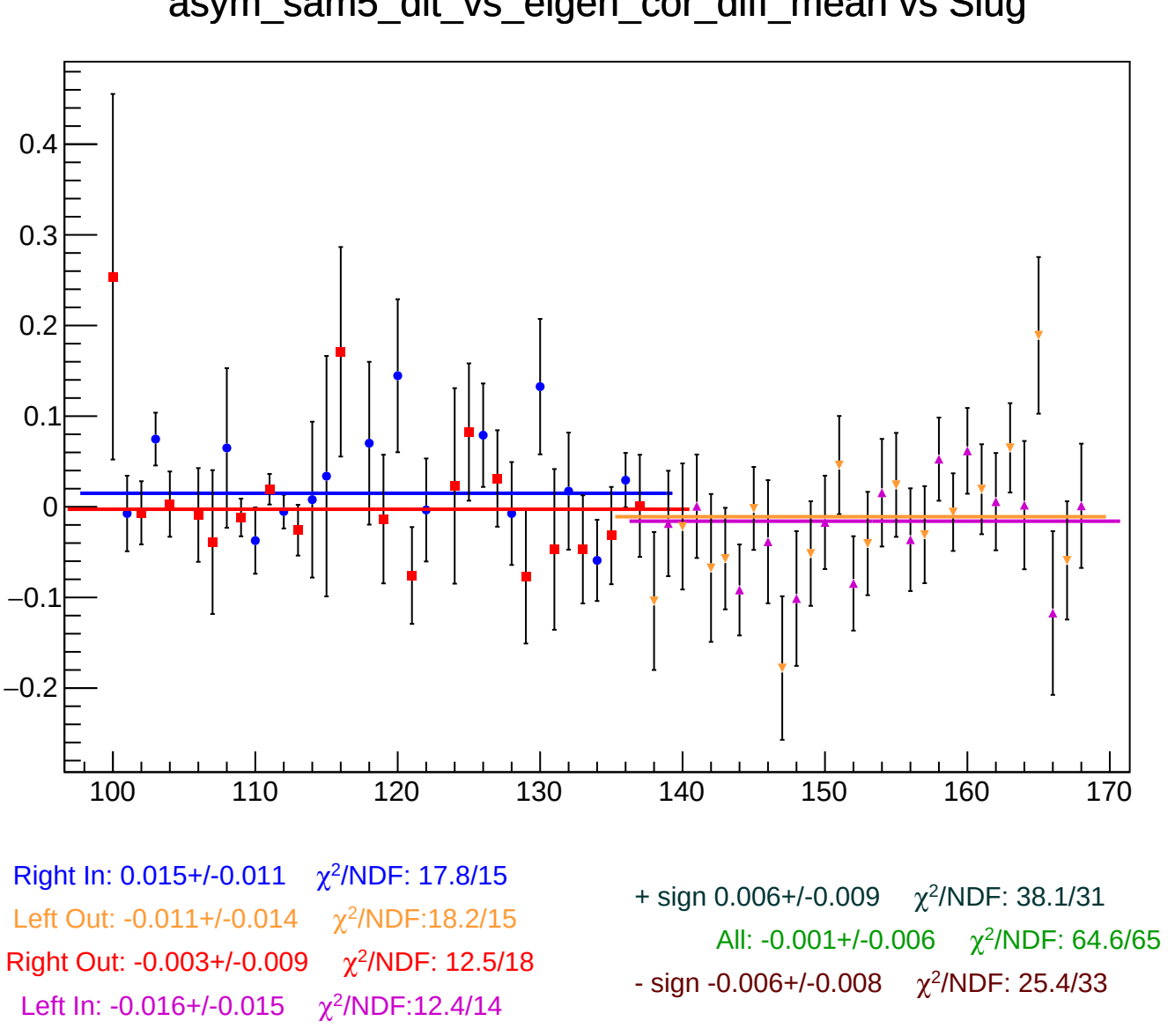
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.053+/-0.010 χ^2/NDF:438480.7/14

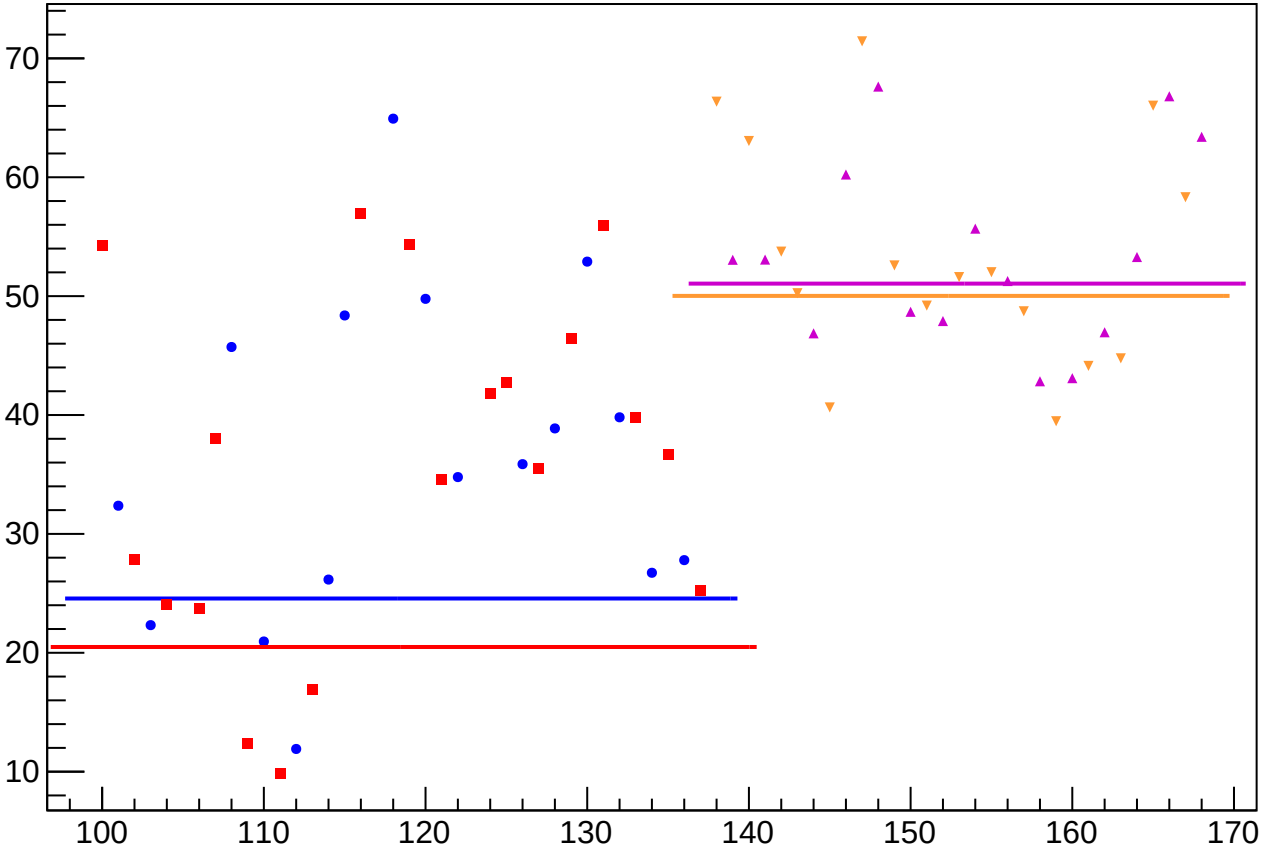
+ sign 33.495+/-0.006 χ^2/NDF: 7219741.1/31

All: 31.063+/-0.004 χ^2/NDF: 17663156.1/65

- sign 29.011+/-0.006 χ^2/NDF: 10143641.8/33


asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.011+/-0.014 χ²/NDF:18.2/15
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.016+/-0.015 χ²/NDF:12.4/14
+ sign 0.006+/-0.009 χ²/NDF: 38.1/31
All: -0.001+/-0.006 χ²/NDF: 64.6/65
- sign -0.006+/-0.008 χ²/NDF: 25.4/33

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.021+/-0.010 χ^2/NDF:679719.3/15

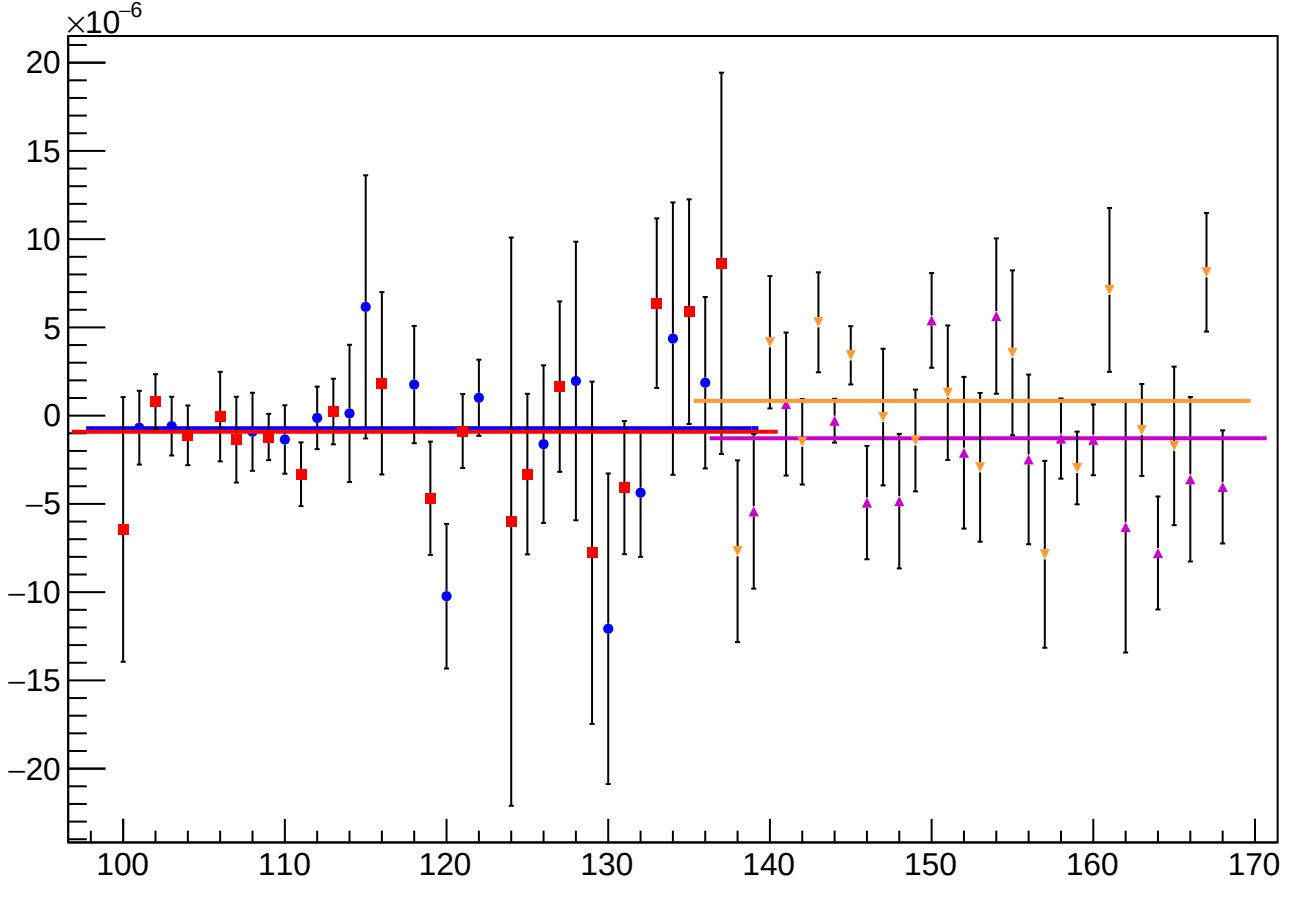
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.053+/-0.010 χ^2/NDF:438480.7/14

+ sign 33.495+/-0.006 χ^2/NDF: 7219741.1/31

All: 31.063+/-0.004 χ^2/NDF: 17663156.1/65

- sign 29.011+/-0.006 χ^2/NDF: 10143641.8/33



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/15

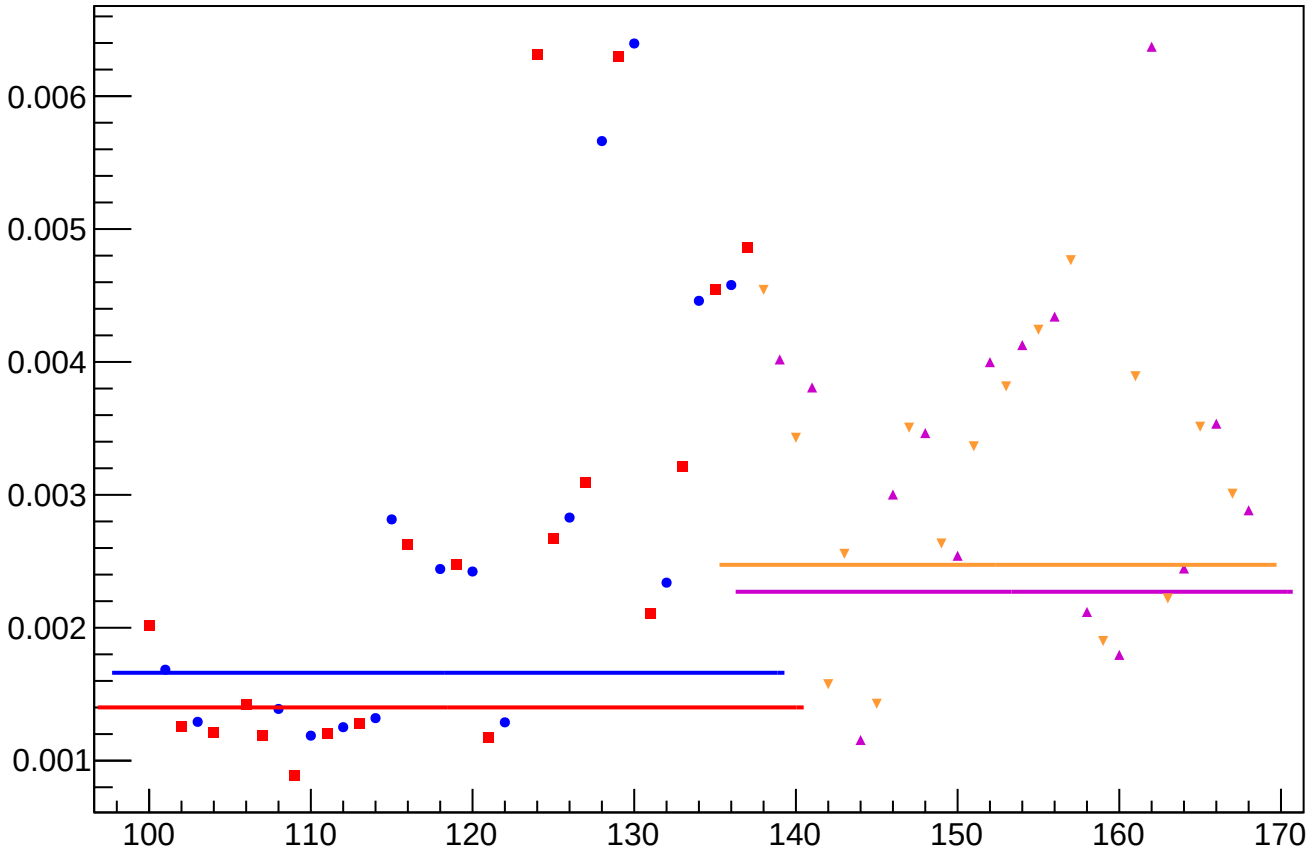
Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/14

+ sign -0.000+/-0.000 χ^2/NDF: 38.0/31

All: -0.000+/-0.000 χ^2/NDF: 70.7/65

- sign -0.000+/-0.000 χ^2/NDF: 30.3/33



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3172503.1/15

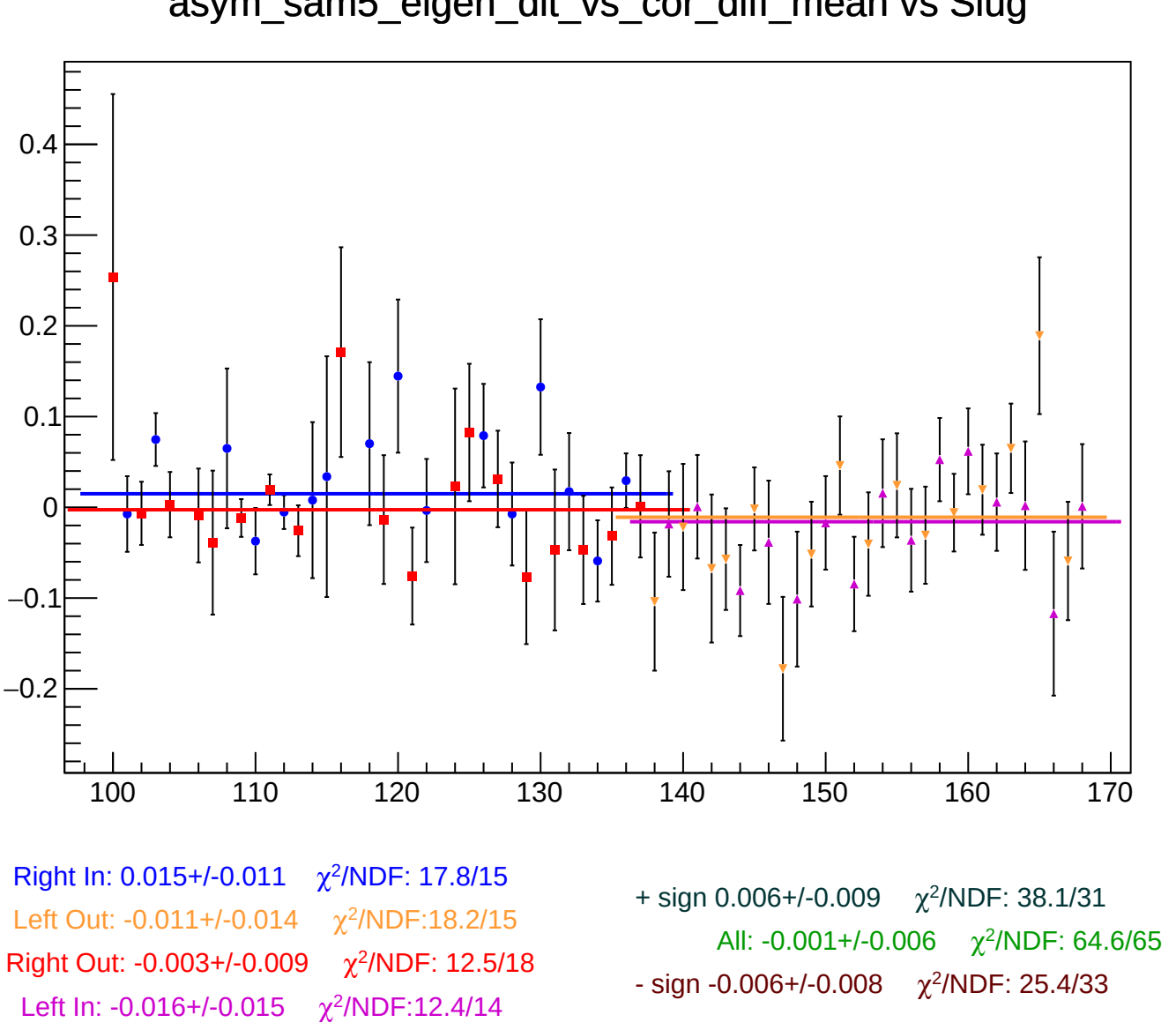
Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:4603396.1/14

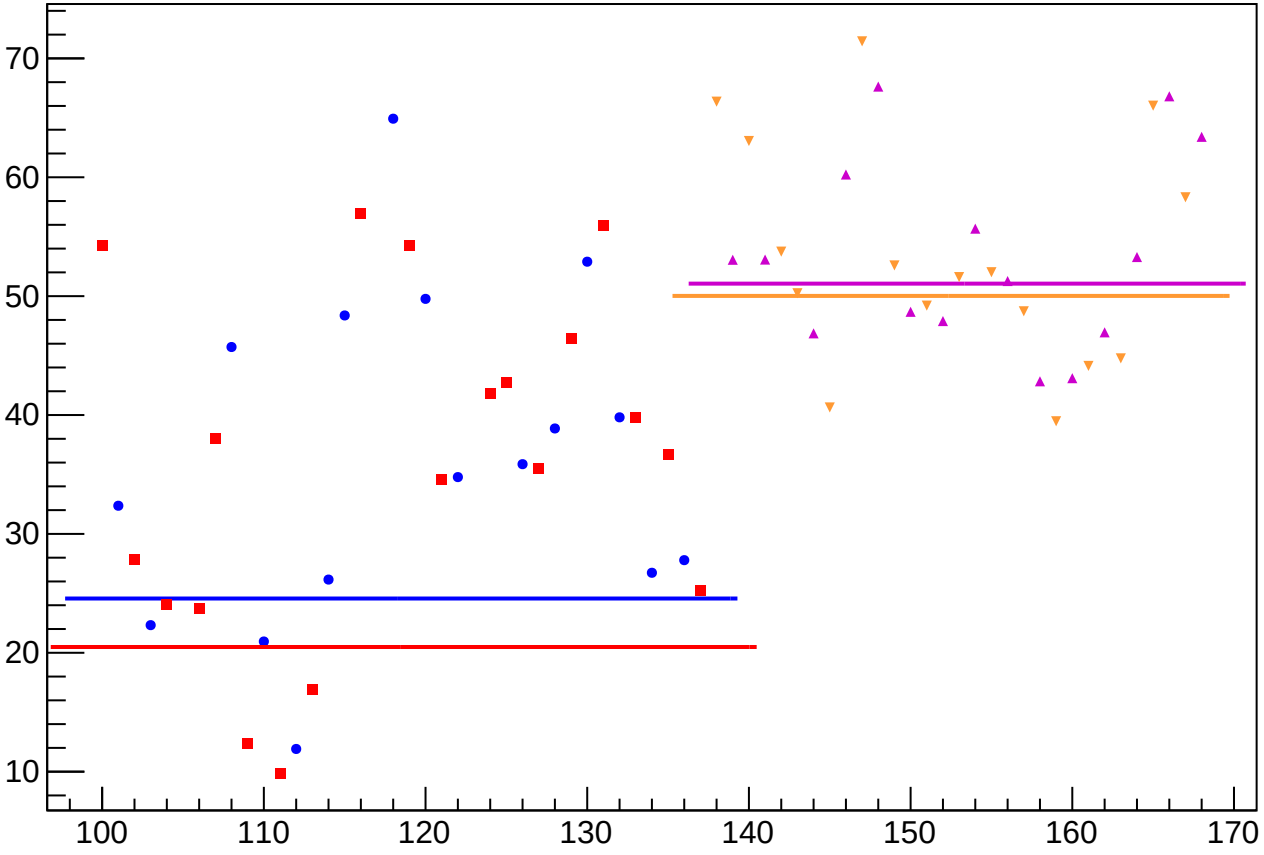
+ sign 0.002+/-0.000 χ^2/NDF: 7351708.1/31

All: 0.002+/-0.000 χ^2/NDF: 16966160.1/65

- sign 0.002+/-0.000 χ^2/NDF: 9266398.7/33


asym_sam5_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: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.011+/-0.014 χ²/NDF:18.2/15
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.016+/-0.015 χ²/NDF:12.4/14
+ sign 0.006+/-0.009 χ²/NDF: 38.1/31
All: -0.001+/-0.006 χ²/NDF: 64.6/65
- sign -0.006+/-0.008 χ²/NDF: 25.4/33

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.020+/-0.010 χ^2/NDF:679845.4/15

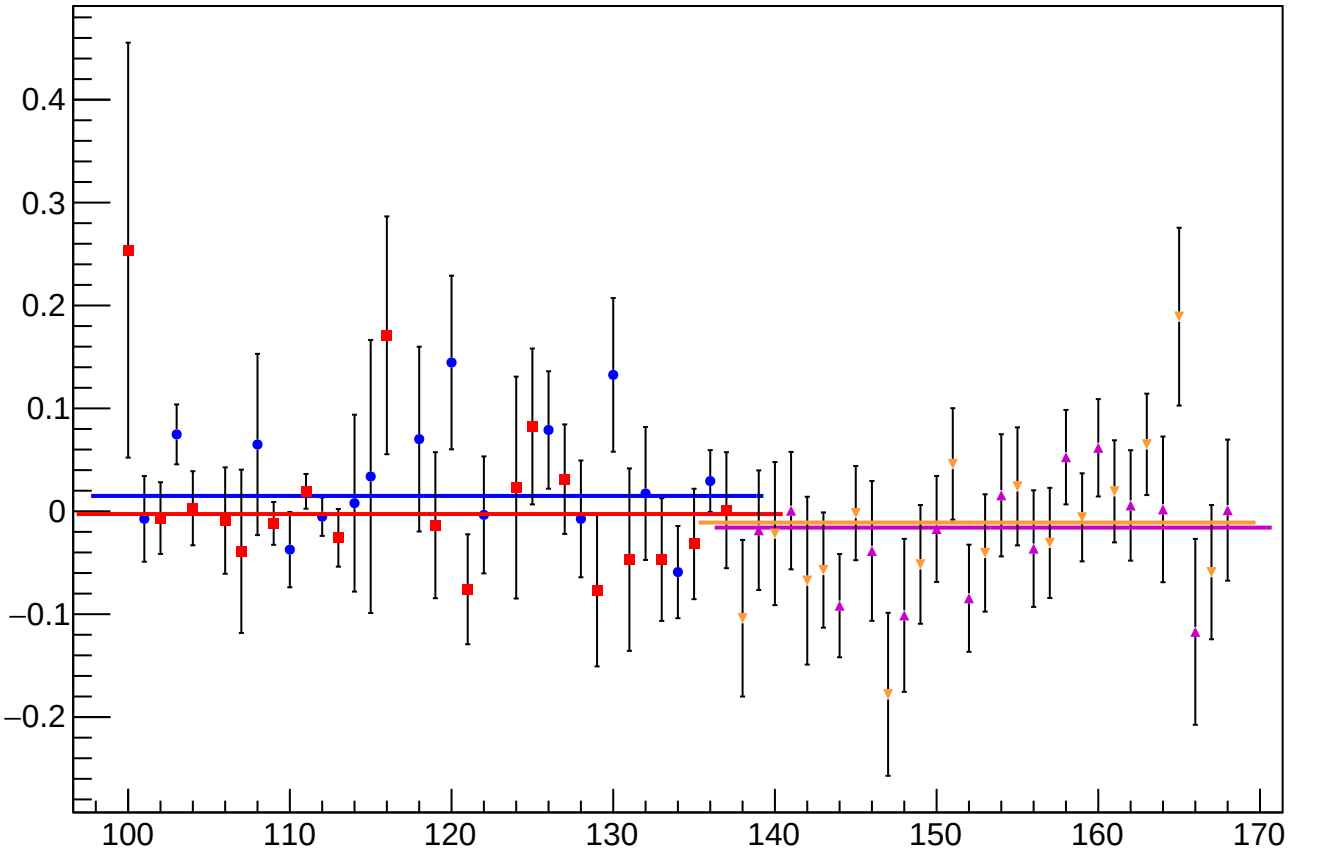
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.053+/-0.010 χ^2/NDF:438576.7/14

+ sign 33.495+/-0.006 χ^2/NDF: 7219972.1/31

All: 31.062+/-0.004 χ^2/NDF: 17663700.6/65

- sign 29.010+/-0.006 χ^2/NDF: 10143934.0/33



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.011+/-0.014 χ^2/NDF:18.2/15

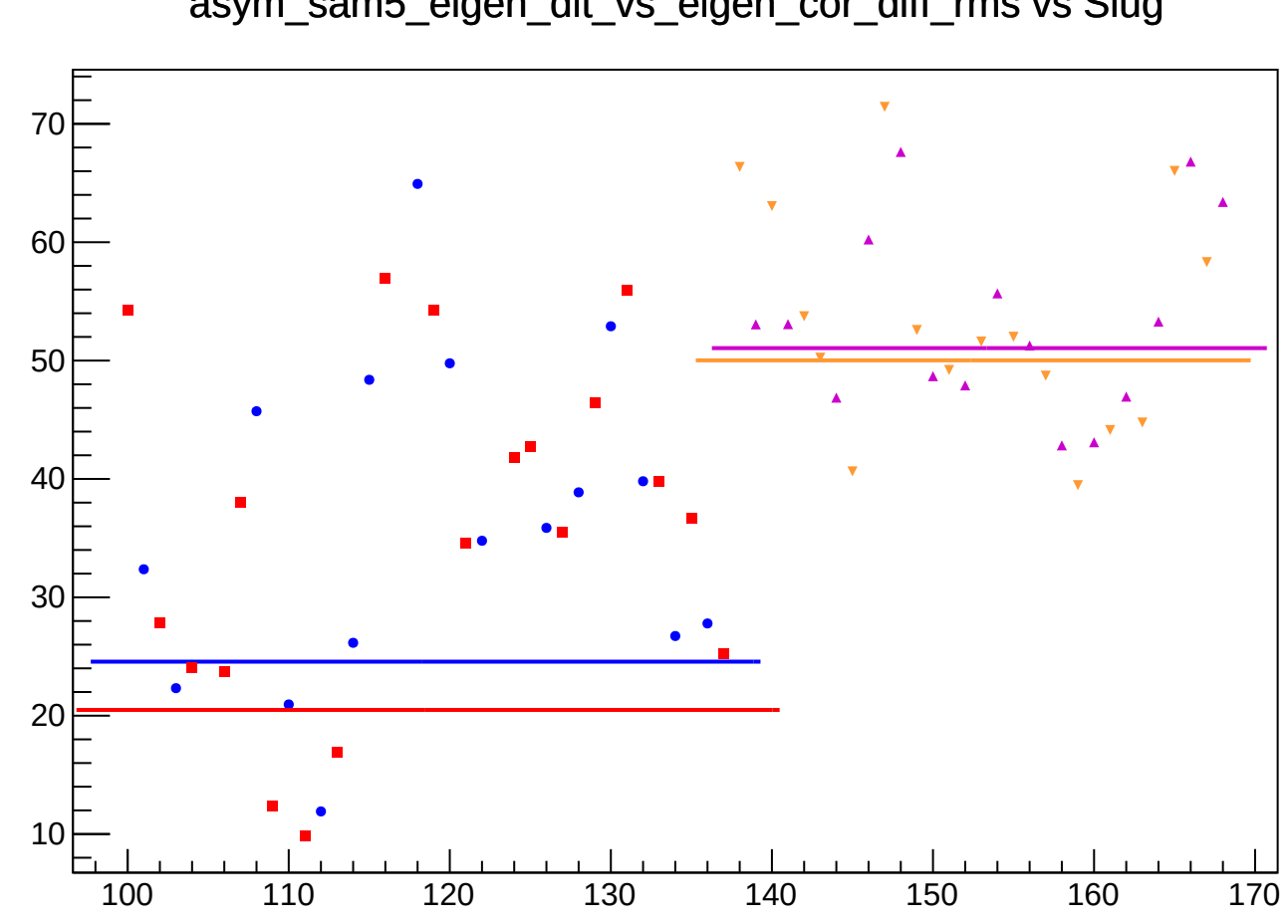
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.016+/-0.015 χ^2/NDF:12.4/14

+ sign 0.006+/-0.009 χ^2/NDF: 38.1/31

All: -0.001+/-0.006 χ^2/NDF: 64.6/65

- sign -0.006+/-0.008 χ^2/NDF: 25.4/33



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.020+/-0.010 χ^2/NDF:679845.4/15

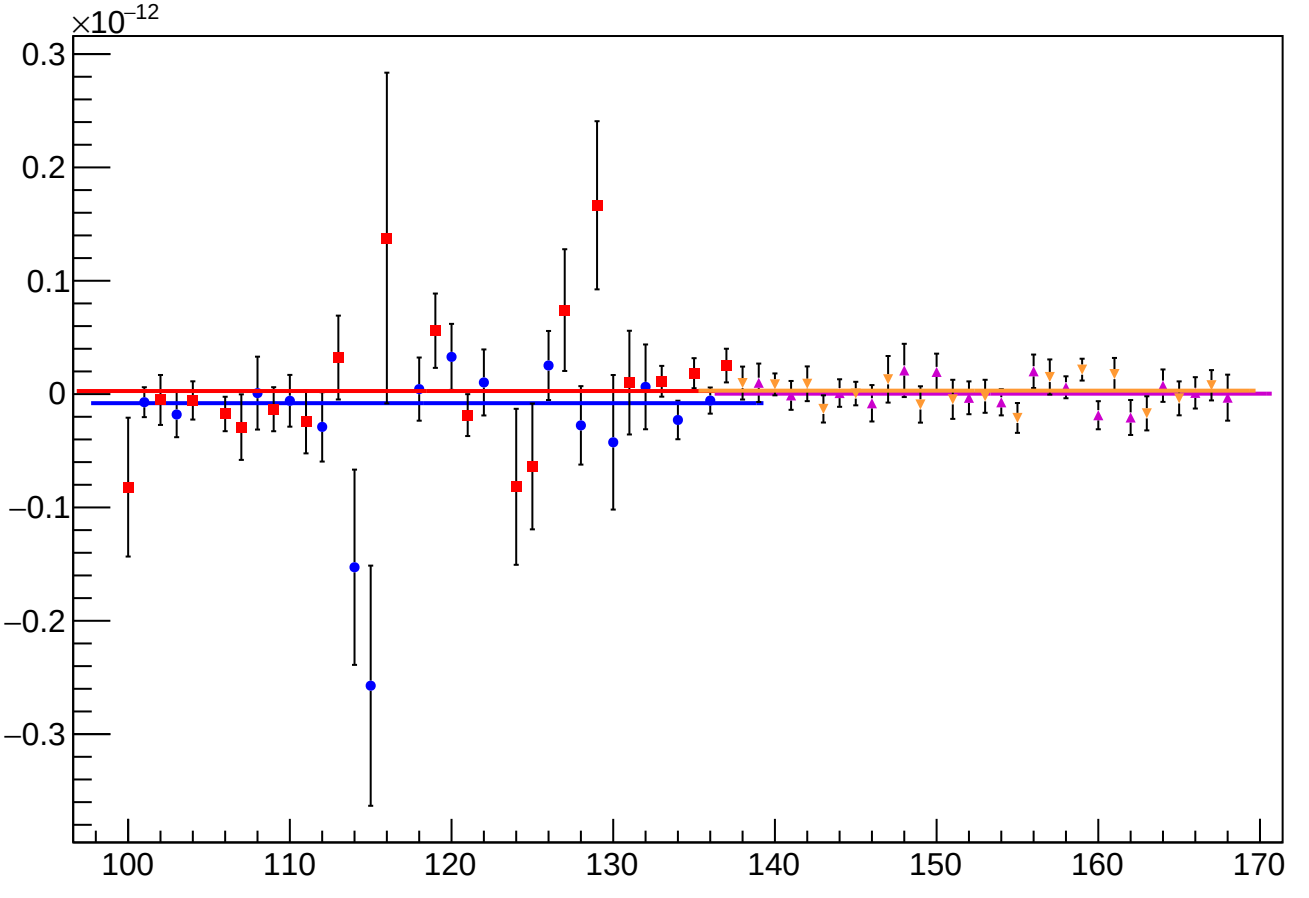
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.053+/-0.010 χ^2/NDF:438576.7/14

+ sign 33.495+/-0.006 χ^2/NDF: 7219972.1/31

All: 31.062+/-0.004 χ^2/NDF: 17663700.6/65

- sign 29.010+/-0.006 χ^2/NDF: 10143934.0/33



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.5/15

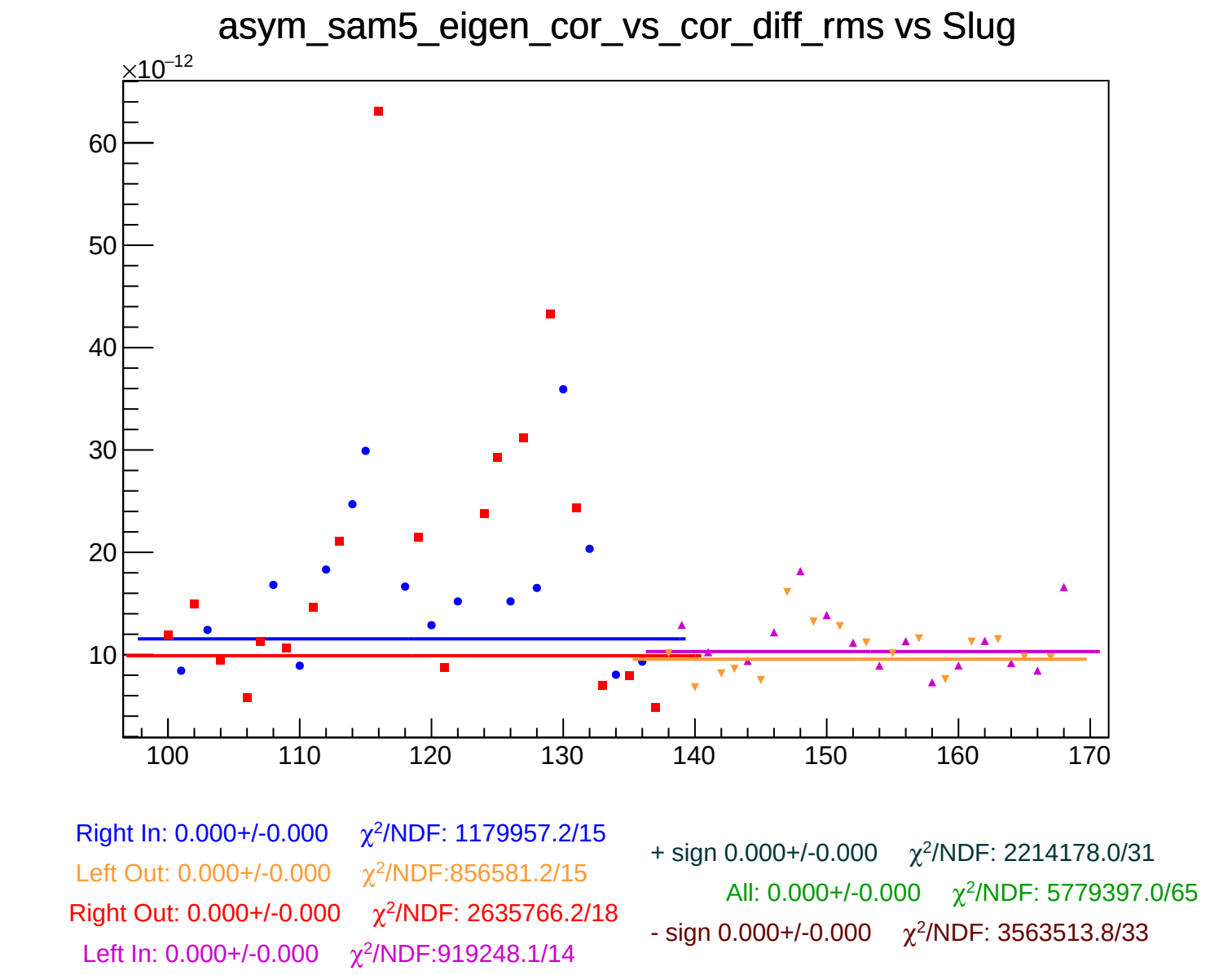
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/14

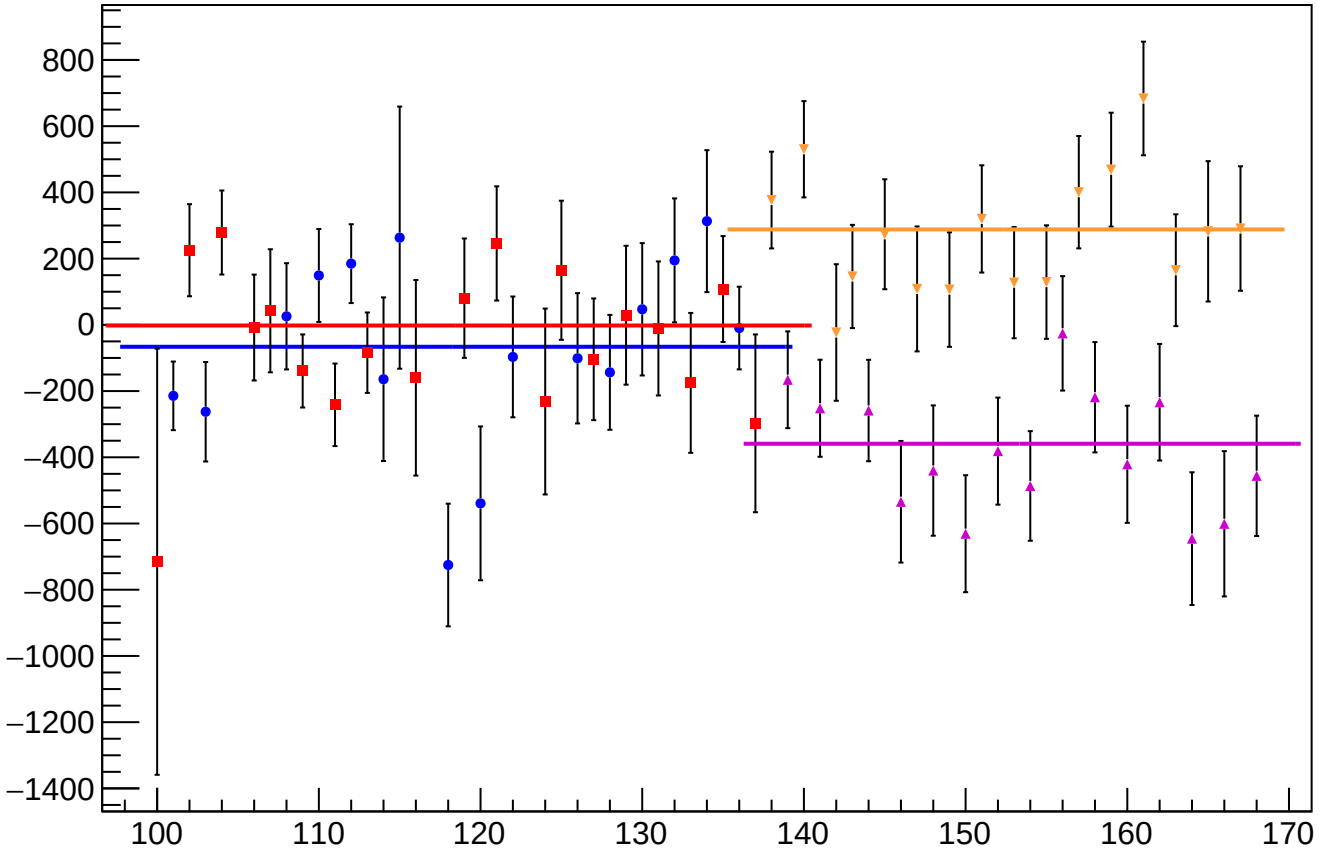
+ sign 0.000+/-0.000 χ^2/NDF: 31.8/31

All: 0.000+/-0.000 χ^2/NDF: 67.9/65

- sign 0.000+/-0.000 χ^2/NDF: 36.1/33


asym_sam5_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: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:856581.2/15
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:919248.1/14
+ sign 0.000+/-0.000 χ²/NDF: 2214178.0/31
All: 0.000+/-0.000 χ²/NDF: 5779397.0/65
- sign 0.000+/-0.000 χ²/NDF: 3563513.8/33

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.103+/-42.553 χ^2/NDF:17.5/15

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

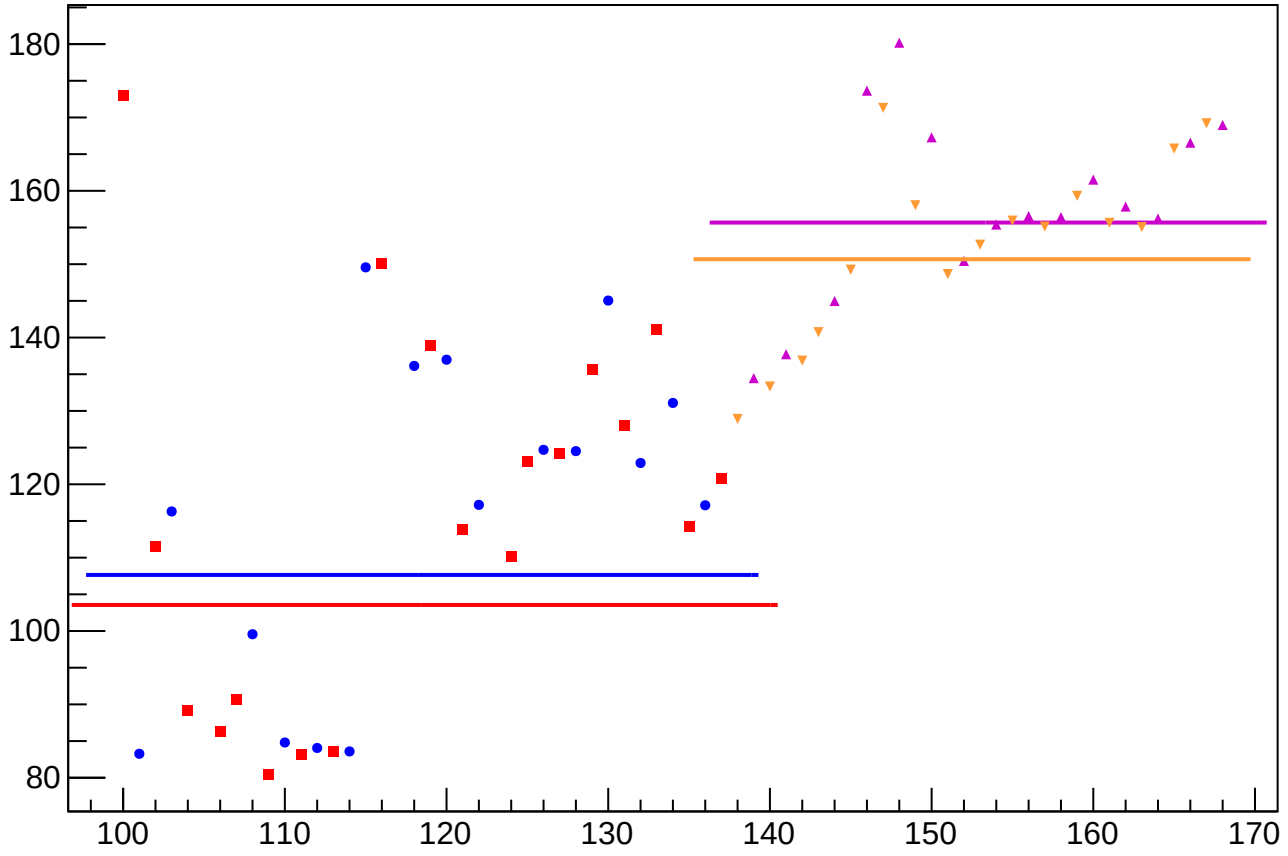
Left In: -359.064+/-44.368 χ^2/NDF:15.4/14

+ sign 104.080+/-29.502 χ^2/NDF: 87.9/31

All: -27.666+/-20.766 χ^2/NDF: 200.5/65

- sign -157.045+/-29.235 χ^2/NDF: 73.1/33

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 150.678+/-0.030 χ^2/NDF:159137.8/15

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

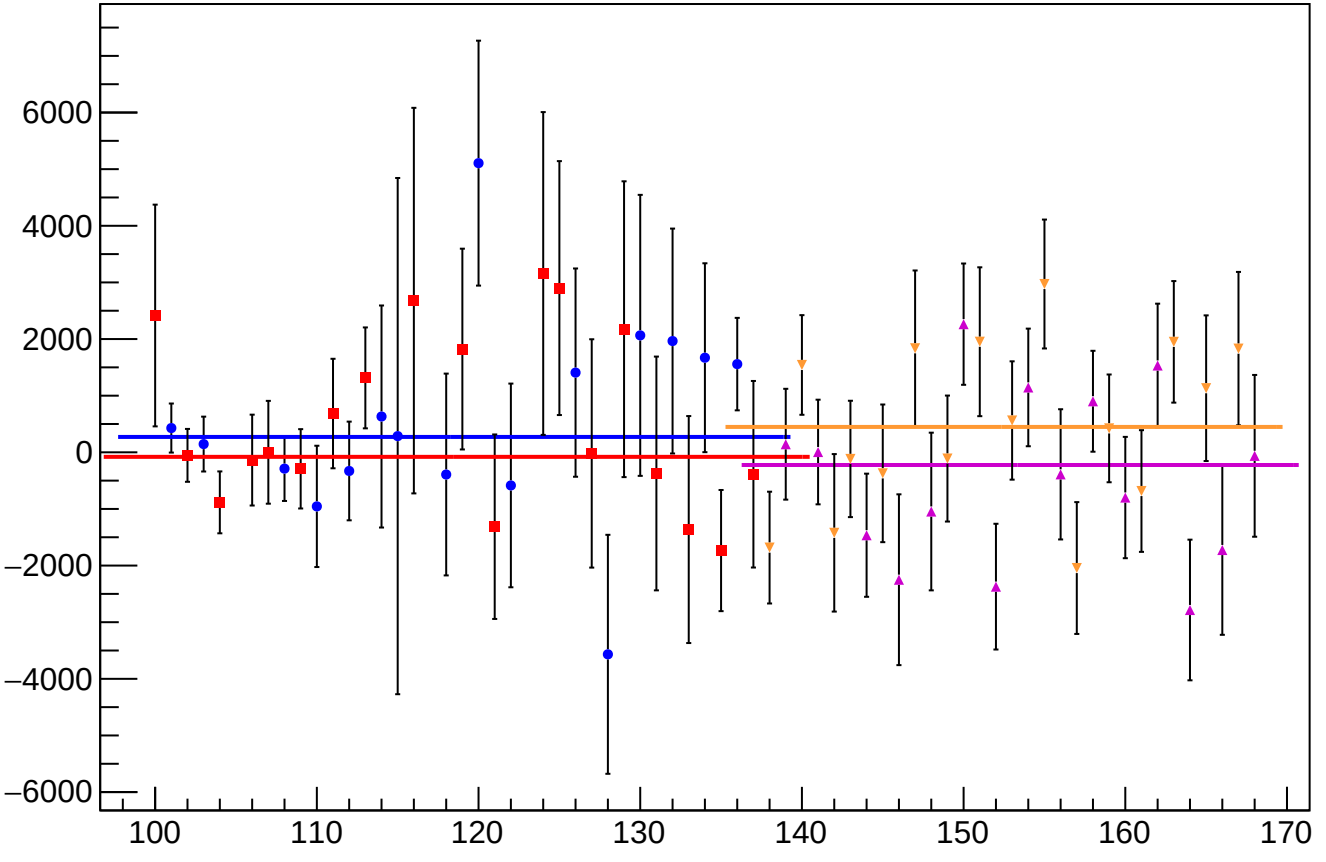
Left In: 155.676+/-0.031 χ^2/NDF:161029.1/14

+ sign 128.328+/-0.021 χ^2/NDF: 1754236.7/31

All: 127.246+/-0.015 χ^2/NDF: 4099932.9/65

- sign 126.183+/-0.021 χ^2/NDF: 2340359.2/33

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 448.207+/-279.596 χ^2/NDF:25.3/15

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

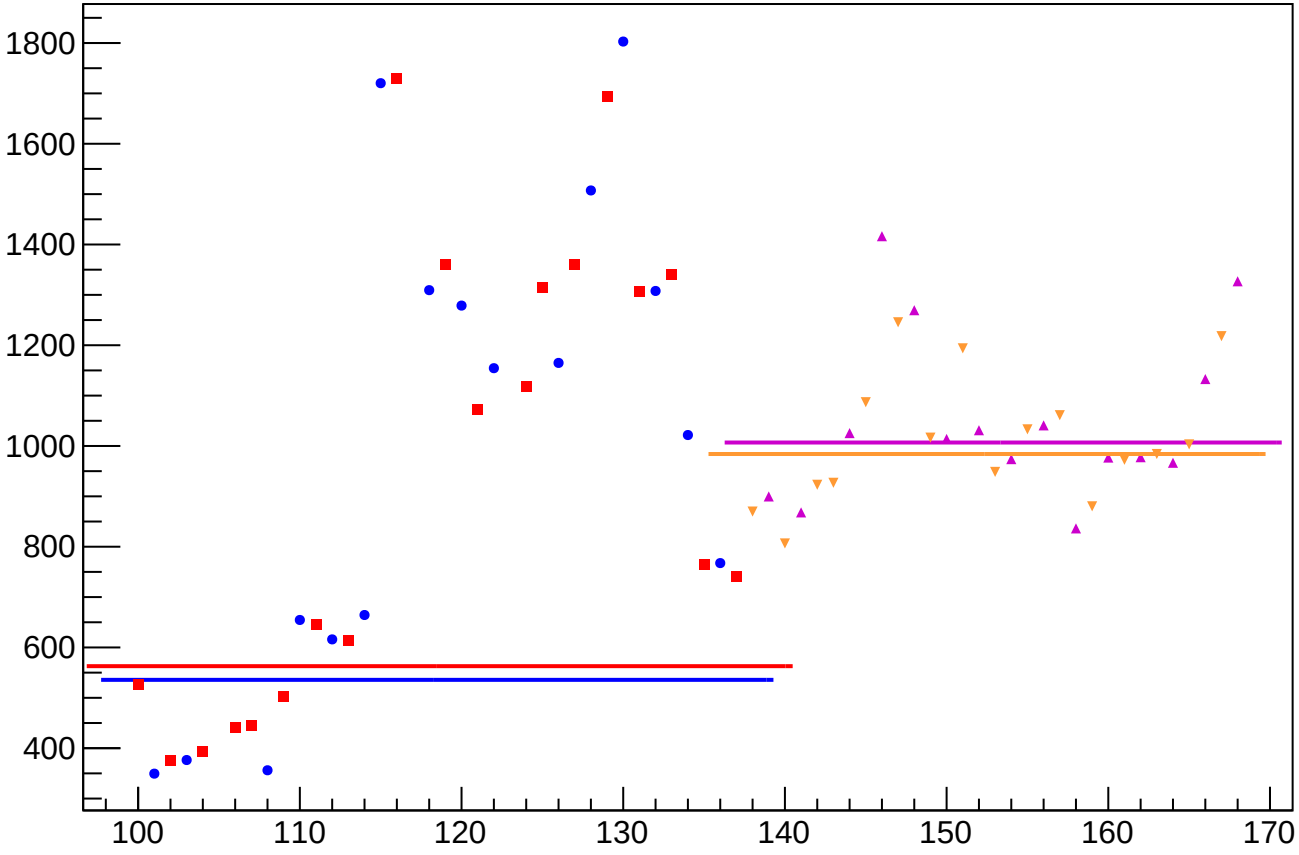
Left In: -224.036+/-289.412 χ^2/NDF:24.3/14

+ sign 343.065+/-177.928 χ^2/NDF: 42.0/31

All: 107.531+/-126.918 χ^2/NDF: 86.0/65

- sign -136.452+/-181.091 χ^2/NDF: 40.5/33

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 984.053+/-0.198 χ^2/NDF:356722.0/15

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

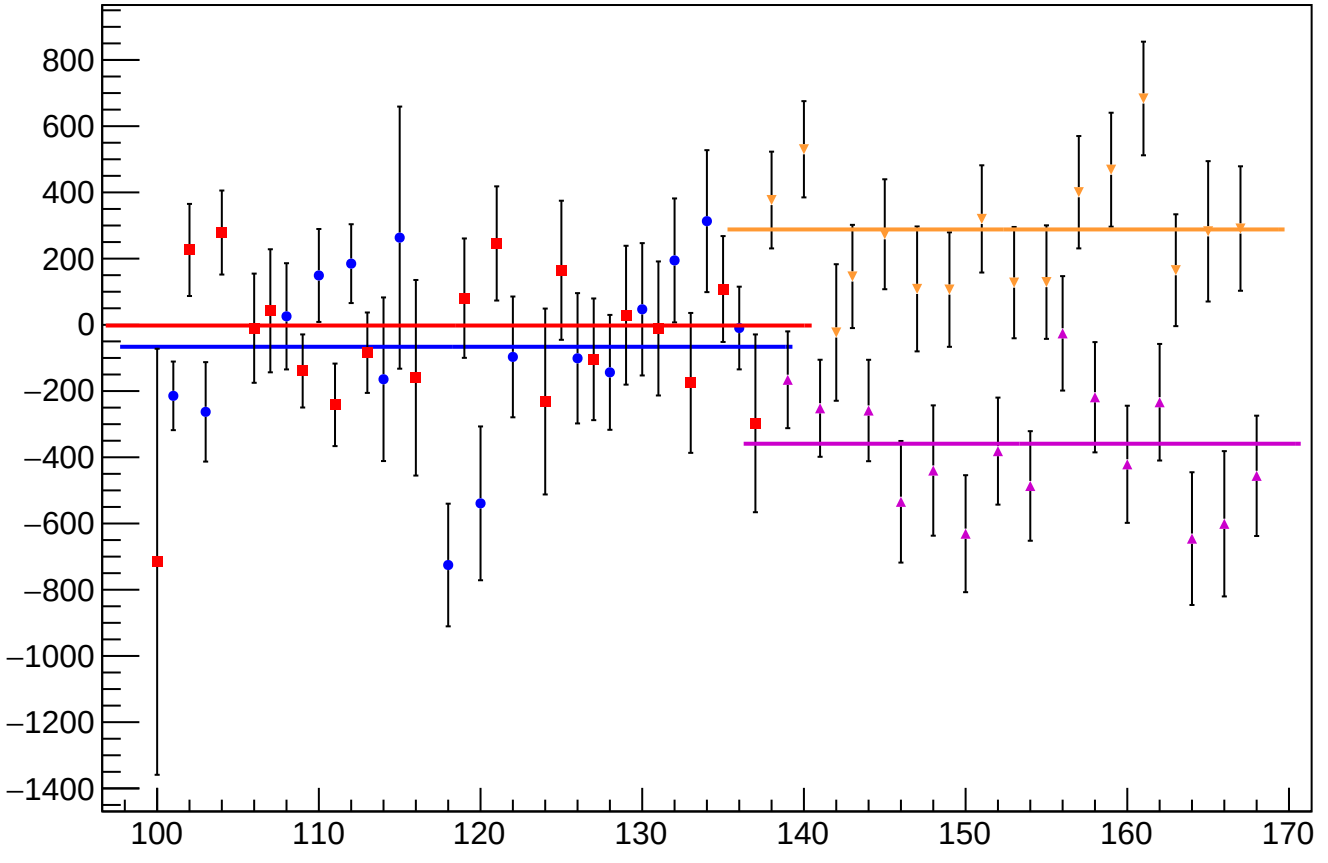
Left In: 1006.865+/-0.205 χ^2/NDF:486098.4/14

+ sign 717.261+/-0.126 χ^2/NDF: 7049495.3/31

All: 726.805+/-0.090 χ^2/NDF: 13522809.1/65

- sign 736.691+/-0.128 χ^2/NDF: 6461599.5/33

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.099+/-42.553 χ^2/NDF:17.5/15

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

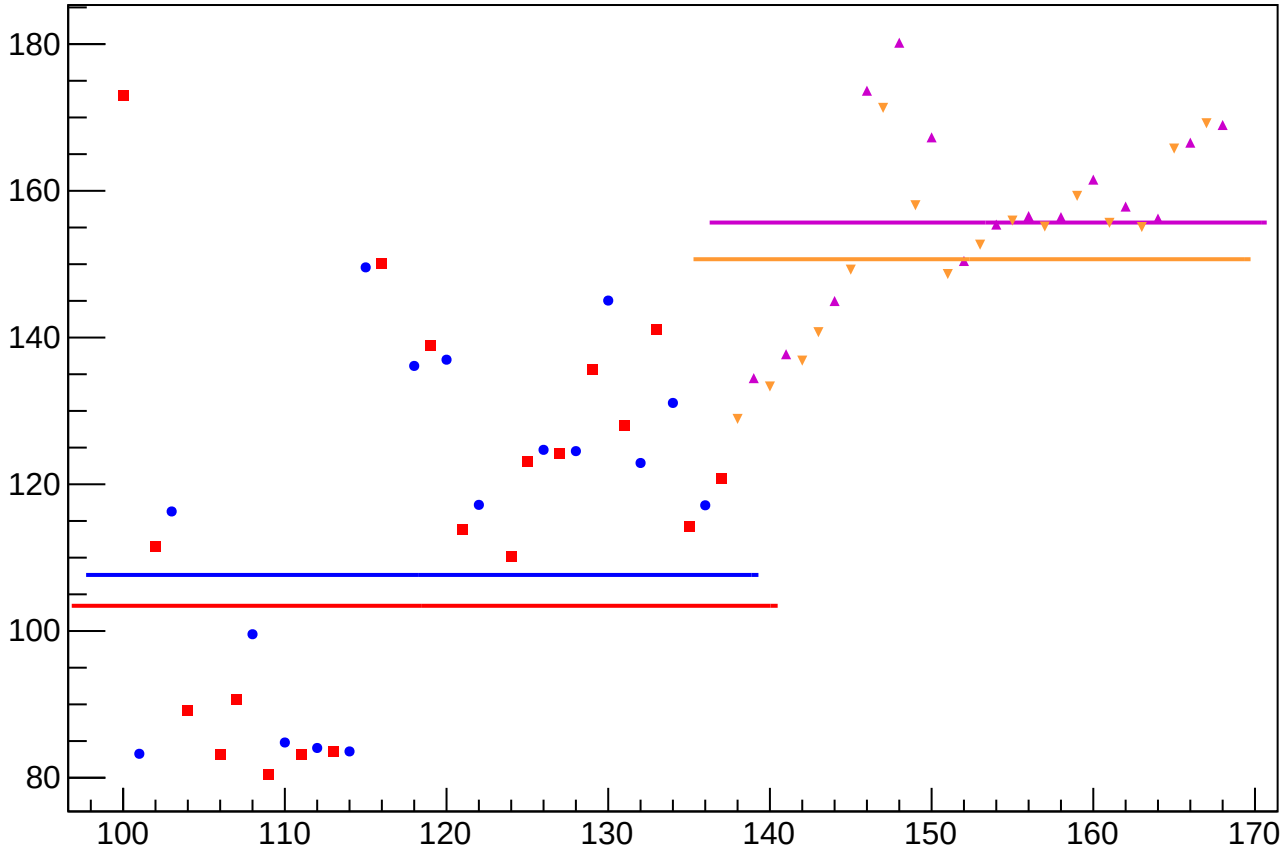
Left In: -359.067+/-44.368 χ^2/NDF:15.4/14

+ sign 104.065+/-29.502 χ^2/NDF: 87.9/31

All: -27.714+/-20.777 χ^2/NDF: 200.6/65

- sign -157.388+/-29.265 χ^2/NDF: 73.1/33

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 150.678+/-0.030 χ^2/NDF:159137.8/15

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

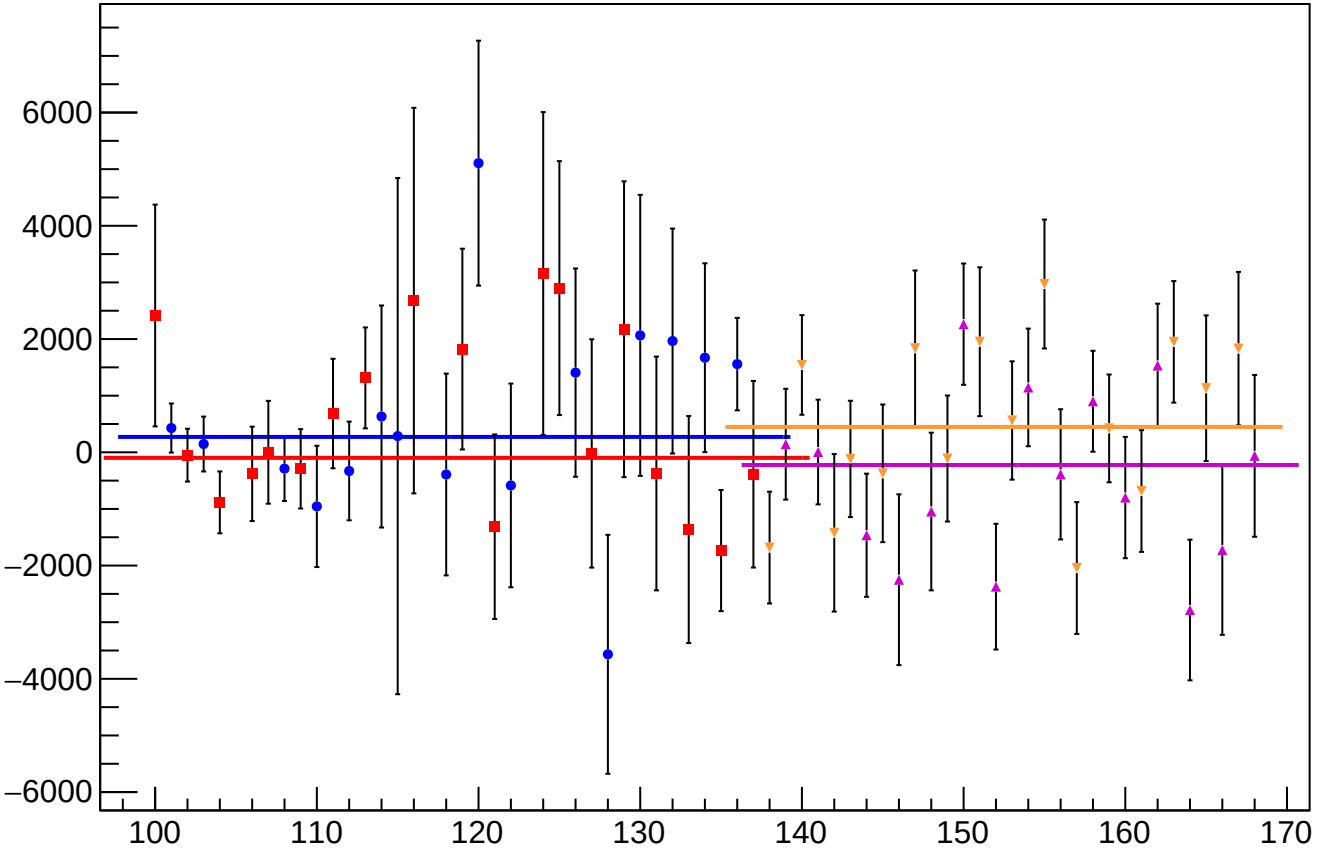
Left In: 155.676+/-0.031 χ^2/NDF:161029.1/14

+ sign 128.328+/-0.021 χ^2/NDF: 1754234.9/31

All: 127.238+/-0.015 χ^2/NDF: 4111682.2/65

- sign 126.165+/-0.021 χ^2/NDF: 2352030.1/33

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 448.211+/-279.596 χ^2/NDF:25.3/15

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

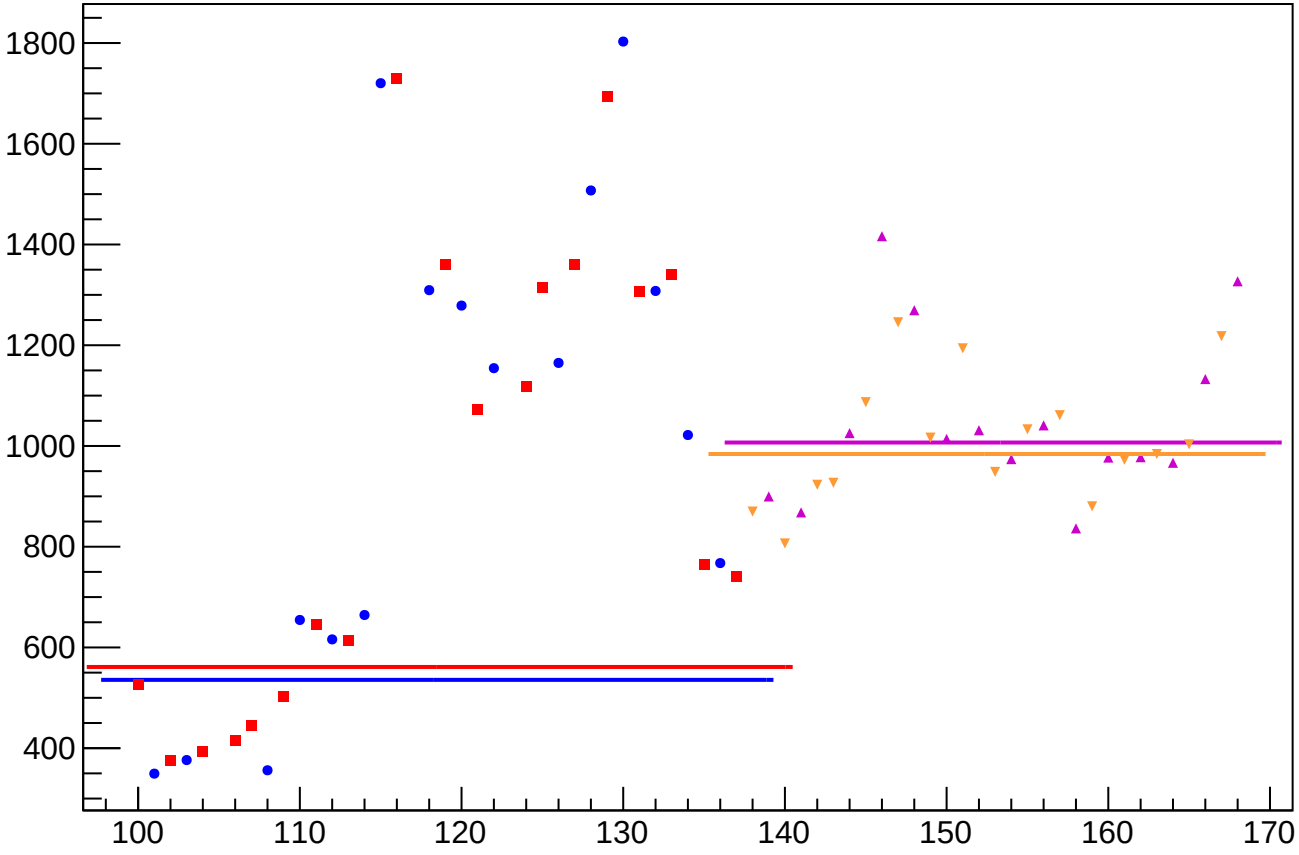
Left In: -224.034+/-289.412 χ^2/NDF:24.3/14

+ sign 343.147+/-177.925 χ^2/NDF: 42.0/31

All: 102.594+/-127.019 χ^2/NDF: 86.2/65

- sign -147.415+/-181.388 χ^2/NDF: 40.5/33

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 984.053+/-0.198 χ^2/NDF:356722.0/15

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

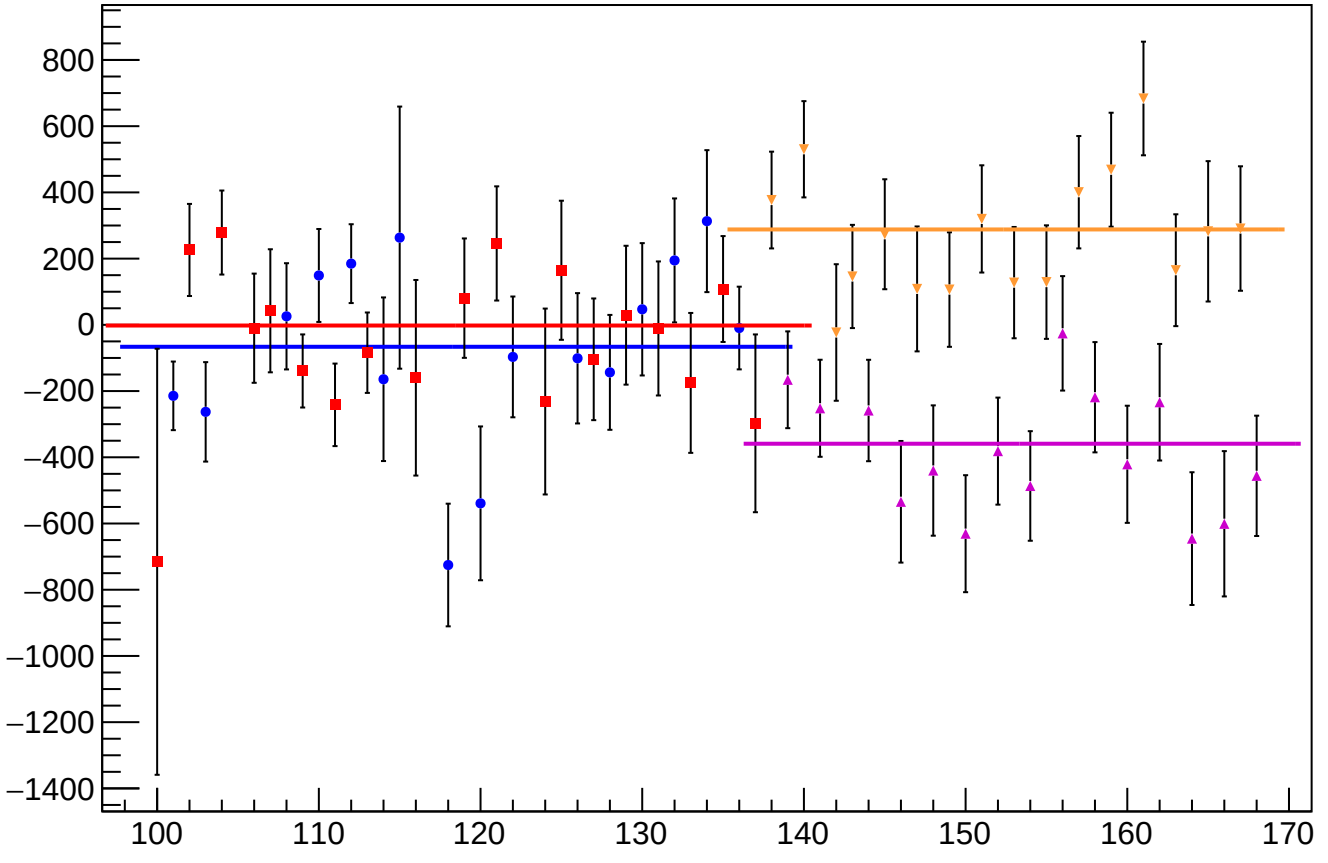
Left In: 1006.866+/-0.205 χ^2/NDF:486097.9/14

+ sign 717.242+/-0.126 χ^2/NDF: 7050072.0/31

All: 726.590+/-0.090 χ^2/NDF: 13556930.4/65

- sign 736.305+/-0.128 χ^2/NDF: 6495600.1/33

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.099+/-42.553 χ^2/NDF:17.5/15

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

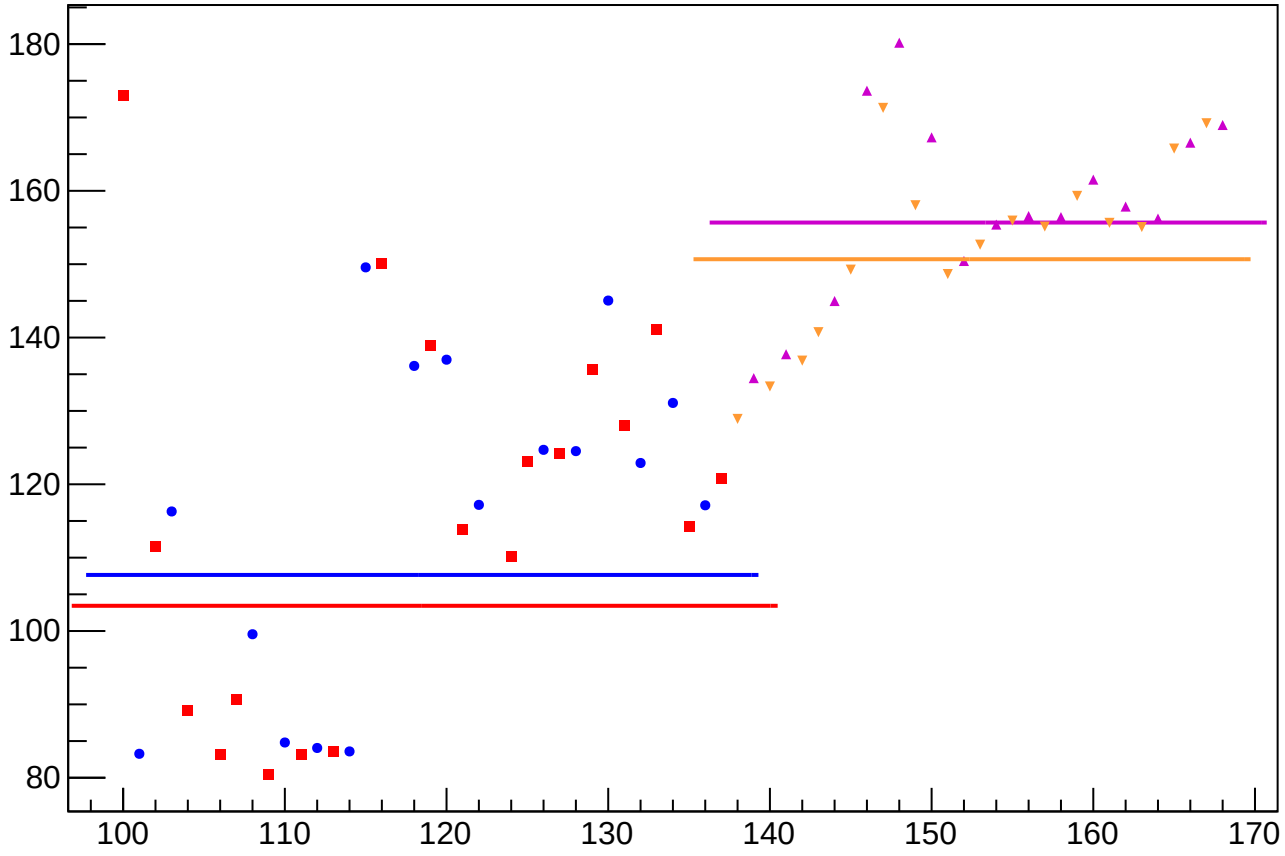
Left In: -359.067+/-44.368 χ^2/NDF:15.4/14

+ sign 104.065+/-29.502 χ^2/NDF: 87.9/31

All: -27.714+/-20.777 χ^2/NDF: 200.6/65

- sign -157.388+/-29.265 χ^2/NDF: 73.1/33

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 150.678+/-0.030 χ^2/NDF:159137.8/15

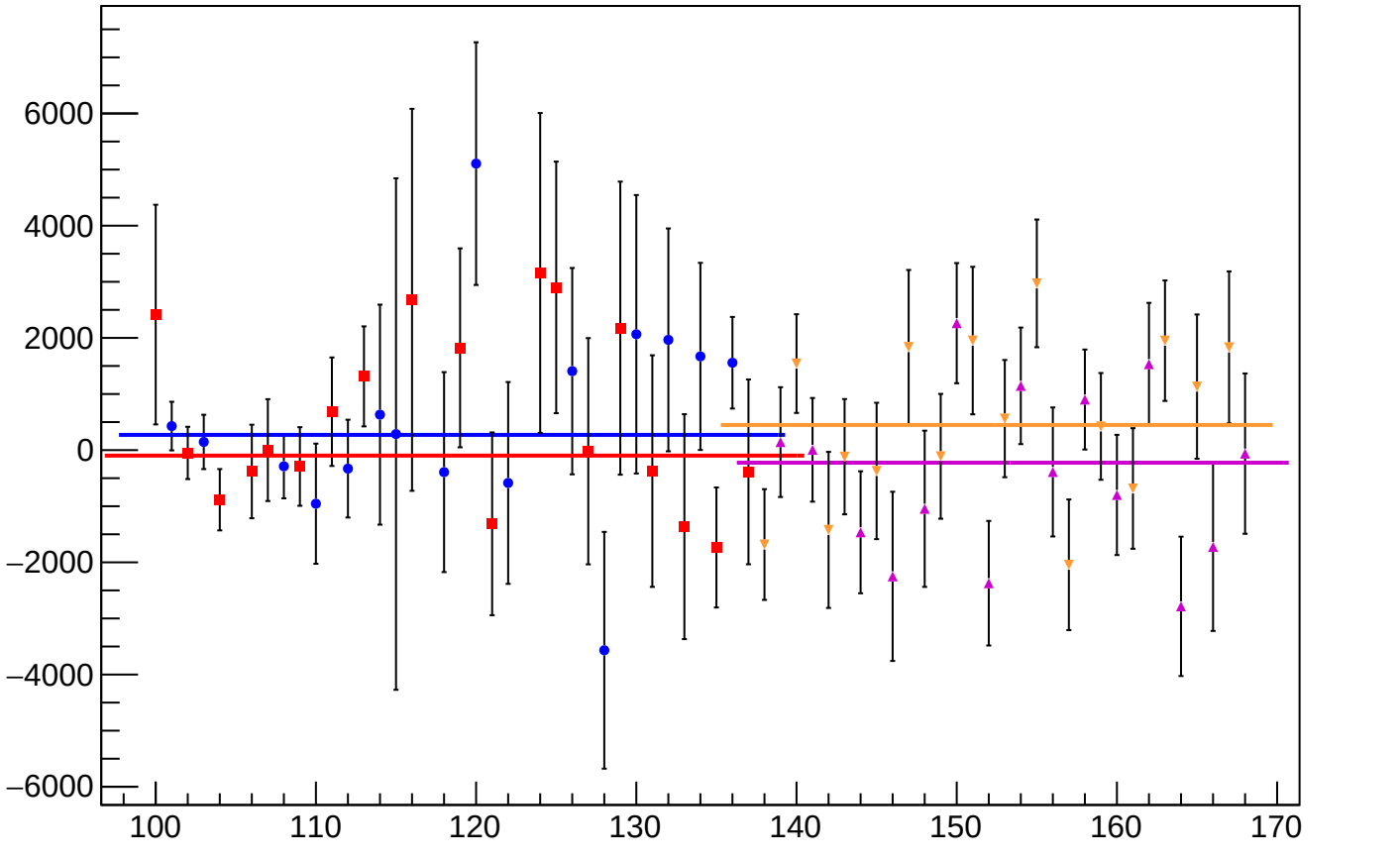
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 155.676+/-0.031 χ^2/NDF:161029.1/14

+ sign 128.328+/-0.021 χ^2/NDF: 1754234.9/31

All: 127.238+/-0.015 χ^2/NDF: 4111682.2/65

- sign 126.165+/-0.021 χ^2/NDF: 2352030.1/33



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 448.211+/-279.596 χ^2/NDF:25.3/15

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

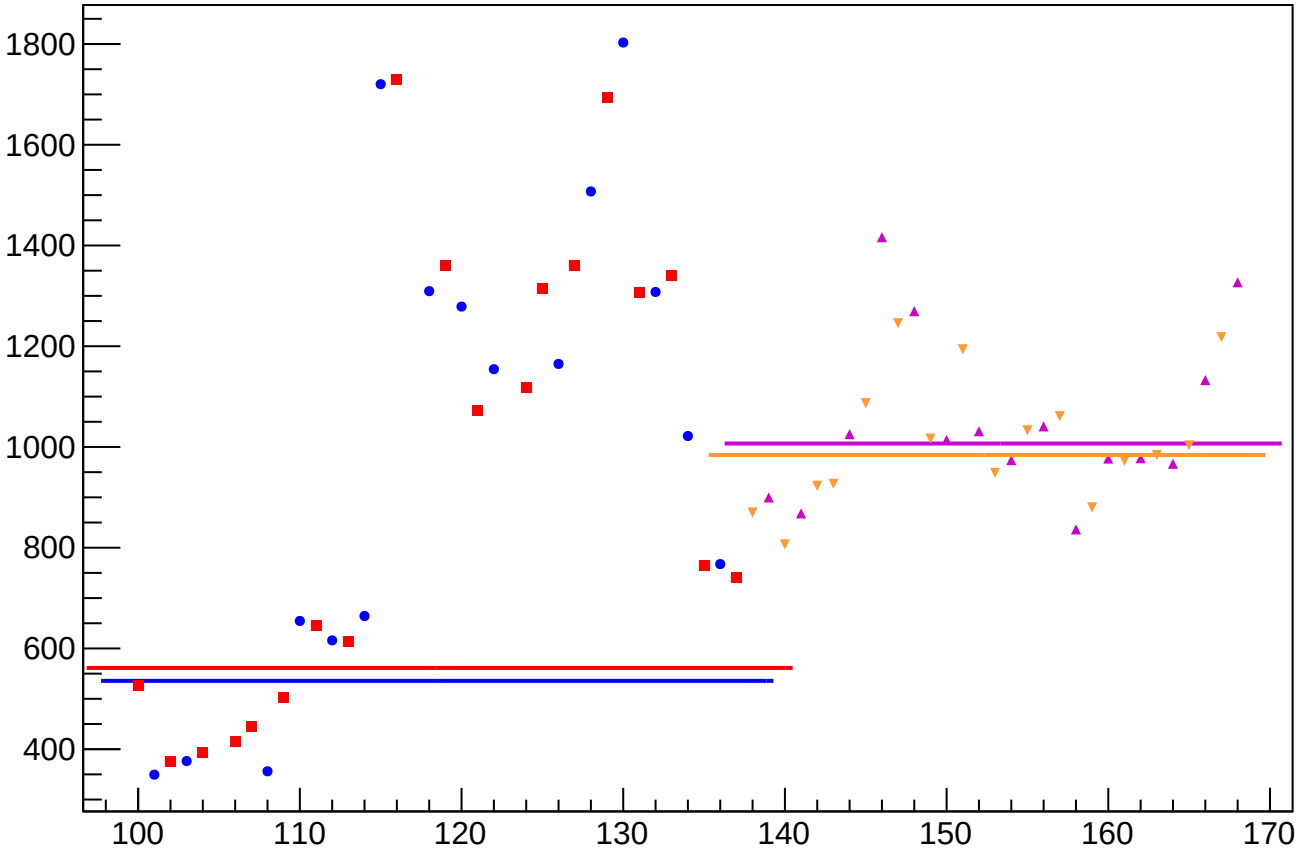
Left In: -224.034+/-289.412 χ^2/NDF:24.3/14

+ sign 343.147+/-177.925 χ^2/NDF: 42.0/31

All: 102.594+/-127.019 χ^2/NDF: 86.2/65

- sign -147.415+/-181.388 χ^2/NDF: 40.5/33

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 984.053+/-0.198 χ^2/NDF:356722.0/15

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

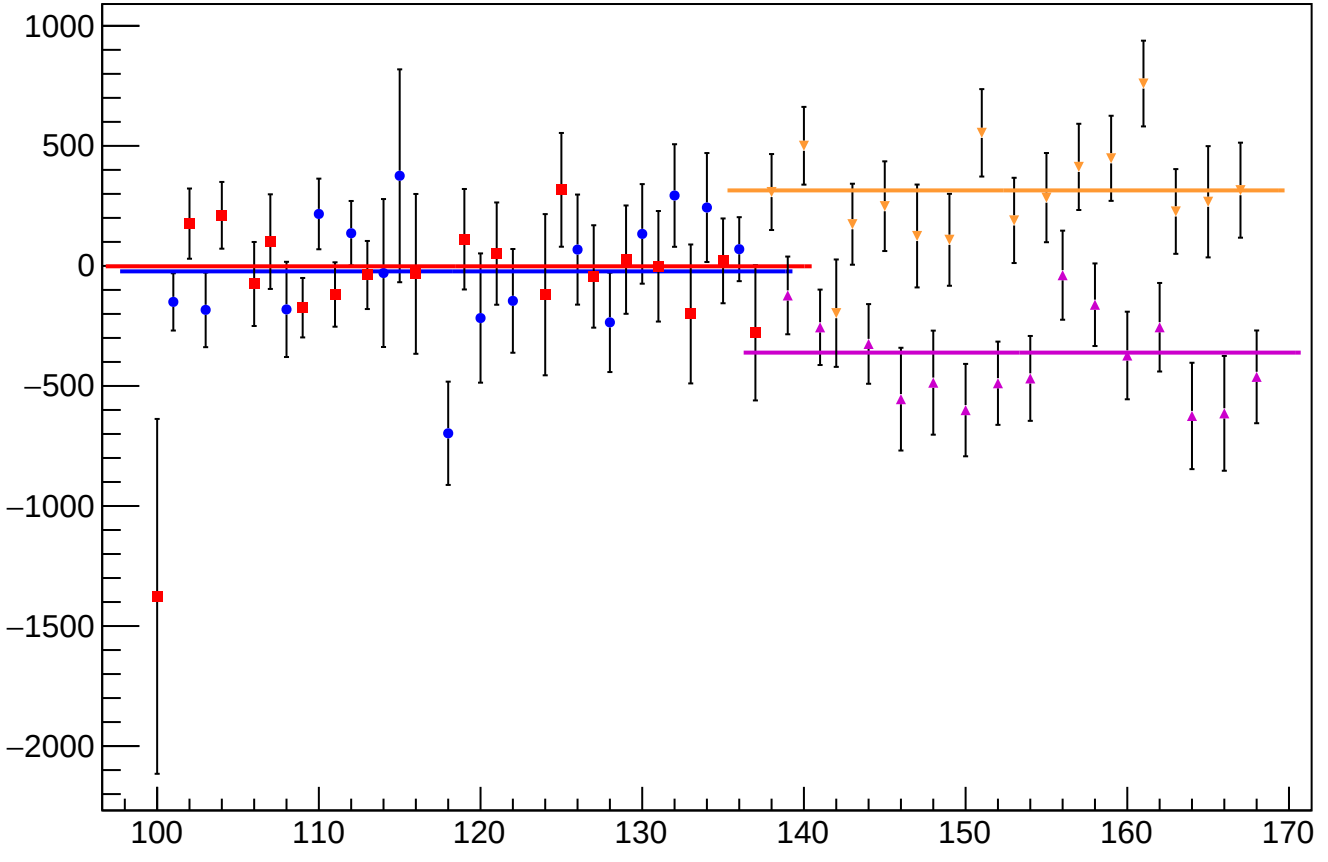
Left In: 1006.866+/-0.205 χ^2/NDF:486097.9/14

+ sign 717.242+/-0.126 χ^2/NDF: 7050072.0/31

All: 726.590+/-0.090 χ^2/NDF: 13556930.4/65

- sign 736.305+/-0.128 χ^2/NDF: 6495600.1/33

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 314.534+/-46.019 χ^2/NDF:18.9/15

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

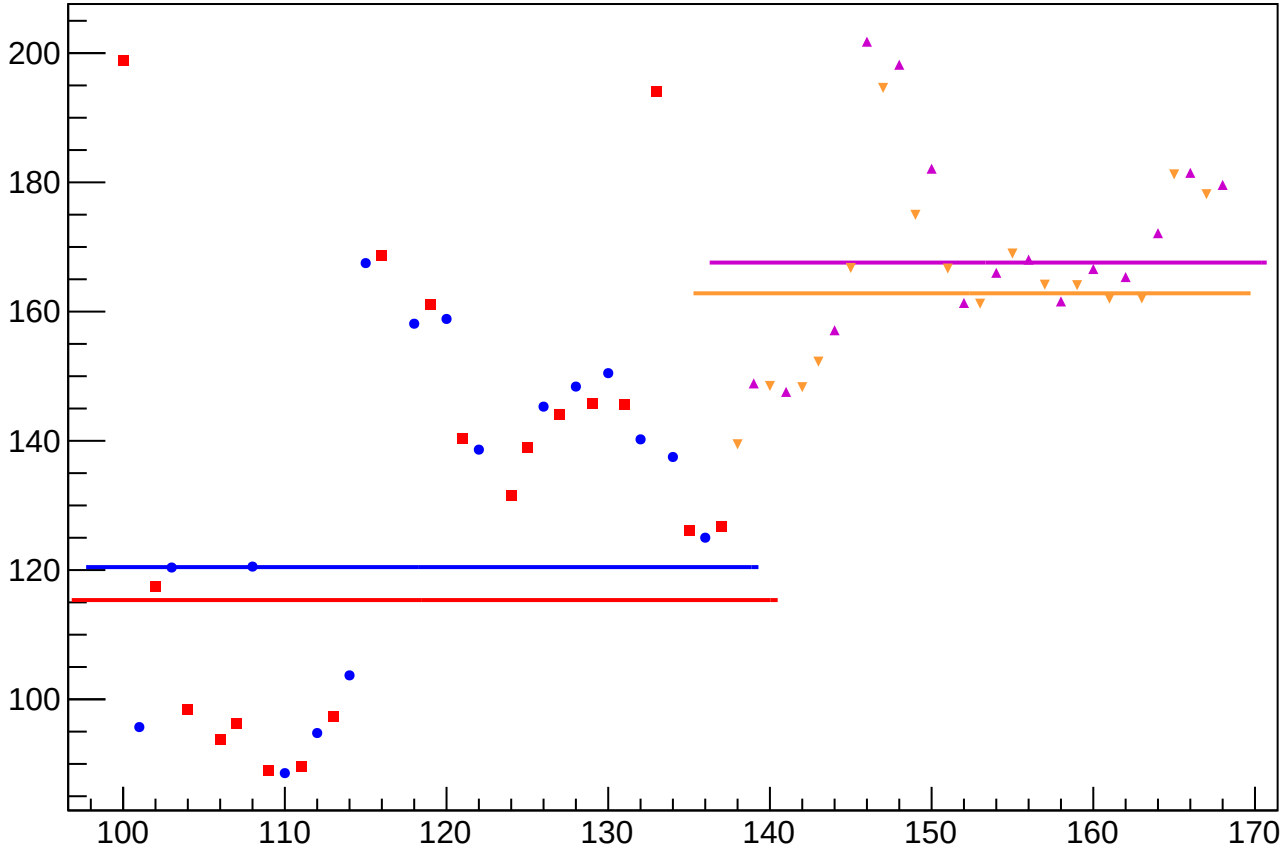
Left In: -361.140+/-47.816 χ^2/NDF:13.8/14

+ sign 145.520+/-32.501 χ^2/NDF: 70.0/31

All: -11.007+/-22.876 χ^2/NDF: 175.0/65

- sign -164.671+/-32.203 χ^2/NDF: 59.0/33

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 162.830+/-0.033 χ^2/NDF:156698.1/15

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

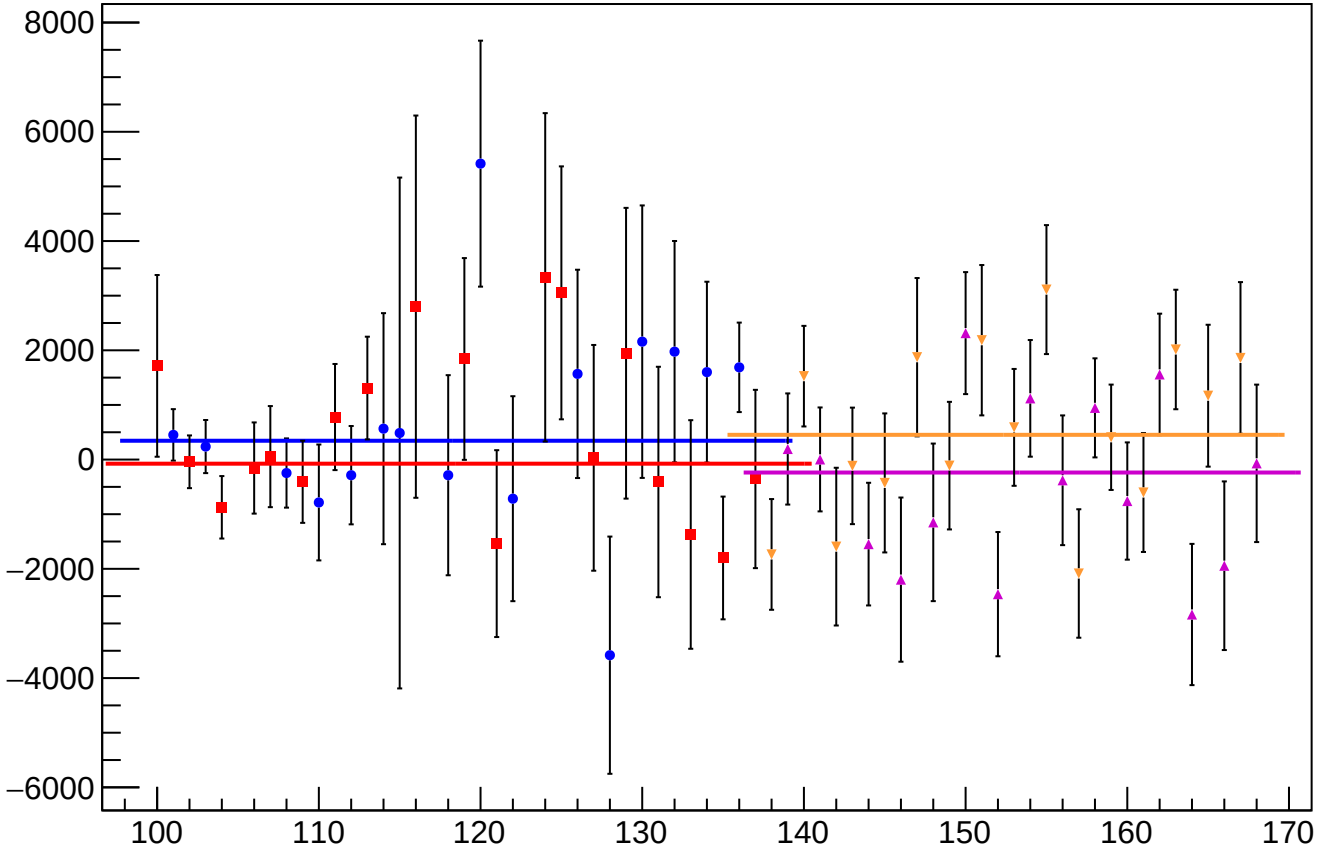
Left In: 167.586+/-0.034 χ^2/NDF:190378.9/14

+ sign 141.593+/-0.023 χ^2/NDF: 1536816.1/31

All: 140.308+/-0.016 χ^2/NDF: 3804546.4/65

- sign 139.046+/-0.023 χ^2/NDF: 2261532.5/33

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 452.824+/-288.078 χ^2/NDF:25.6/15

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

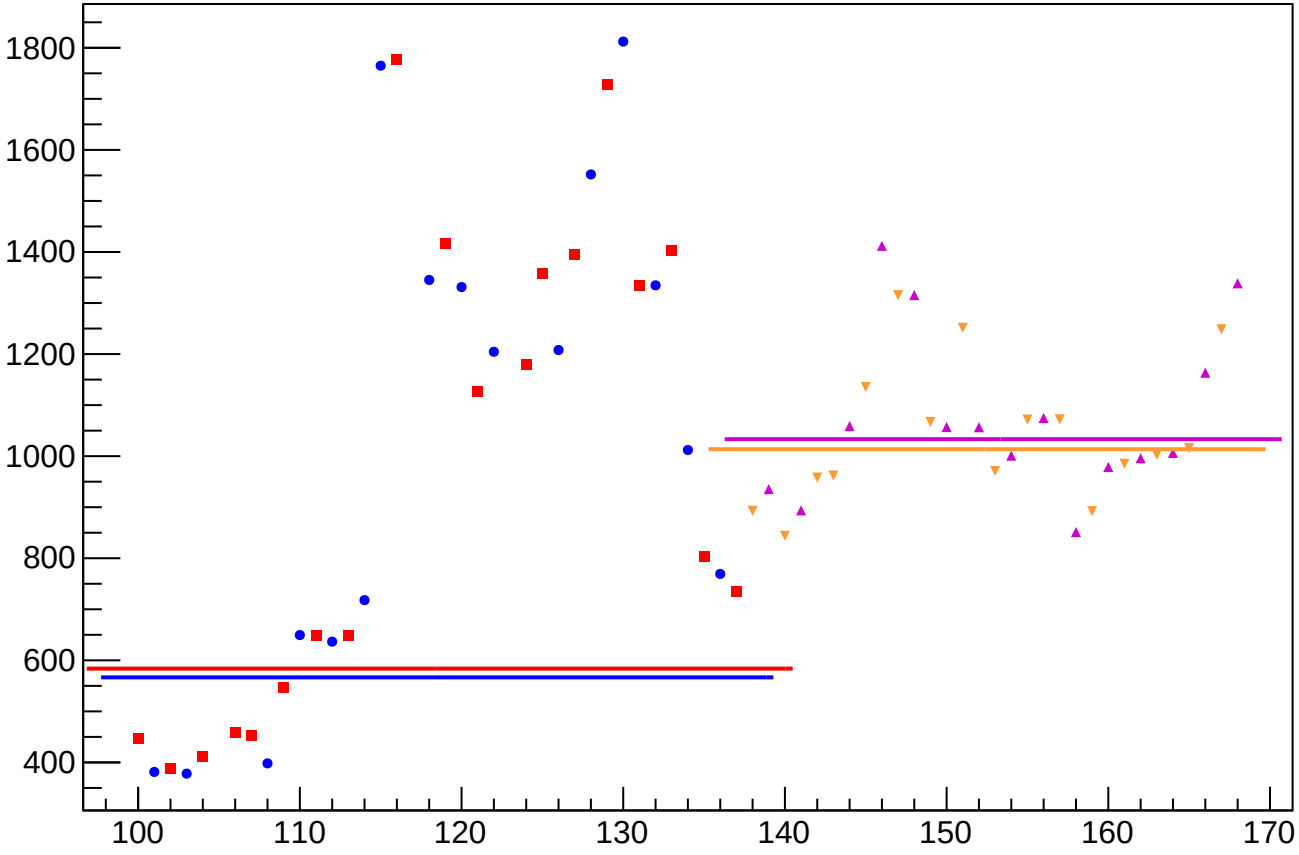
Left In: -237.342+/-296.923 χ^2/NDF:24.2/14

+ sign 389.178+/-185.086 χ^2/NDF: 42.0/31

All: 127.350+/-131.504 χ^2/NDF: 85.7/65

- sign -139.568+/-186.876 χ^2/NDF: 39.7/33

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1013.642+/-0.204 χ^2/NDF:376483.0/15

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

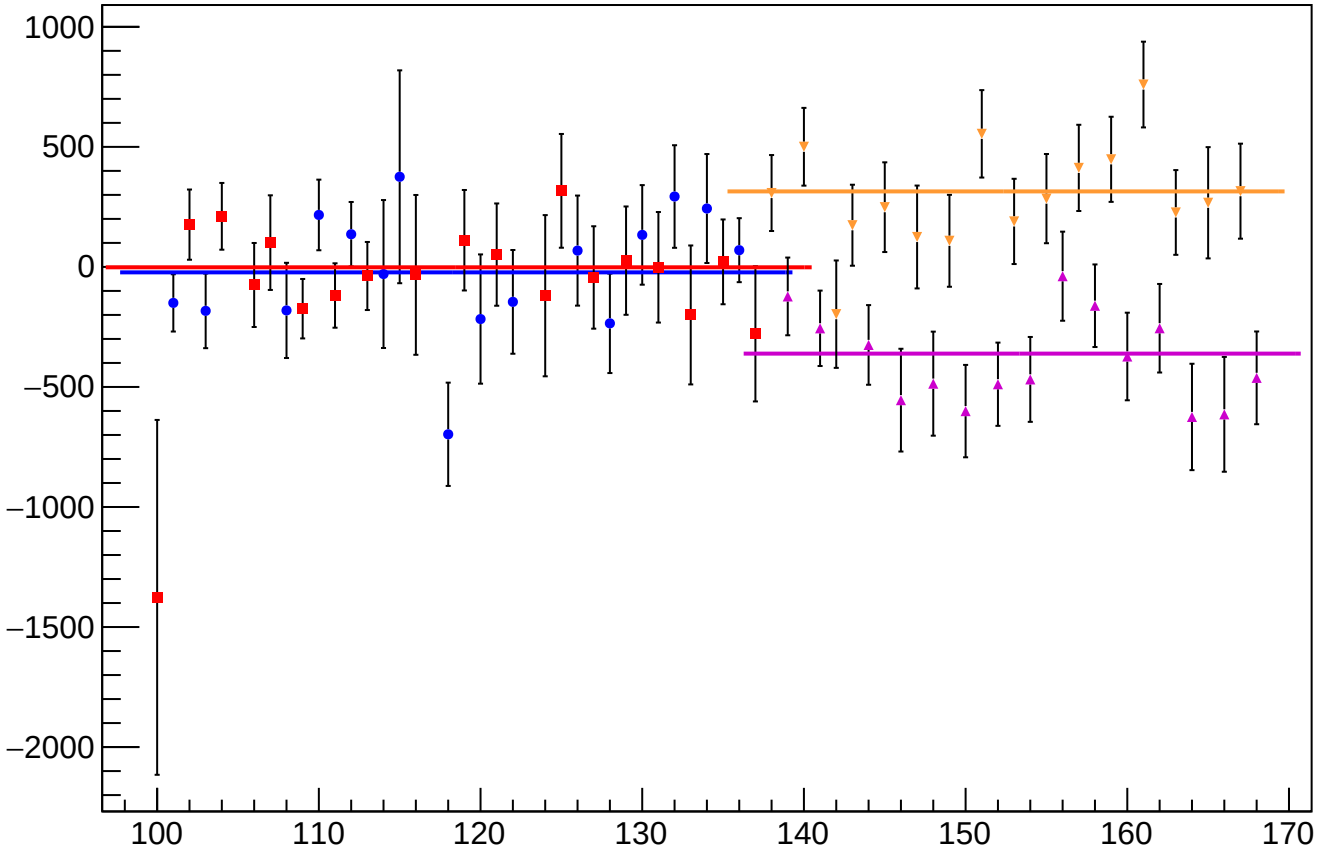
Left In: 1033.308+/-0.210 χ^2/NDF:465184.9/14

+ sign 751.134+/-0.131 χ^2/NDF: 6637035.8/31

All: 756.442+/-0.093 χ^2/NDF: 12981170.1/65

- sign 761.854+/-0.132 χ^2/NDF: 6340812.4/33

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 314.534+/-46.019 χ^2/NDF:18.9/15

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

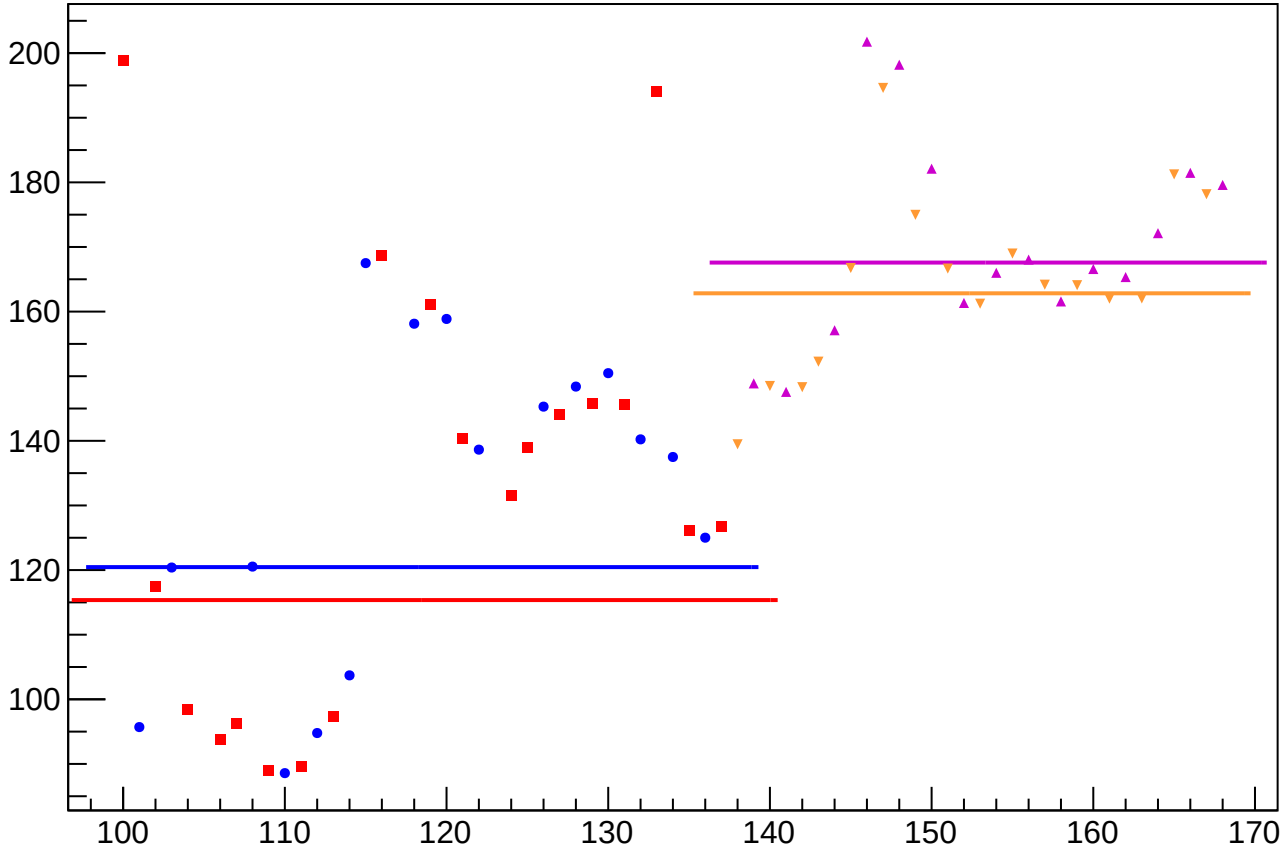
Left In: -361.141+/-47.816 χ^2/NDF:13.8/14

+ sign 145.520+/-32.501 χ^2/NDF: 70.0/31

All: -11.008+/-22.876 χ^2/NDF: 175.0/65

- sign -164.672+/-32.203 χ^2/NDF: 59.0/33

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 162.829+/-0.033 χ^2/NDF:156696.6/15

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

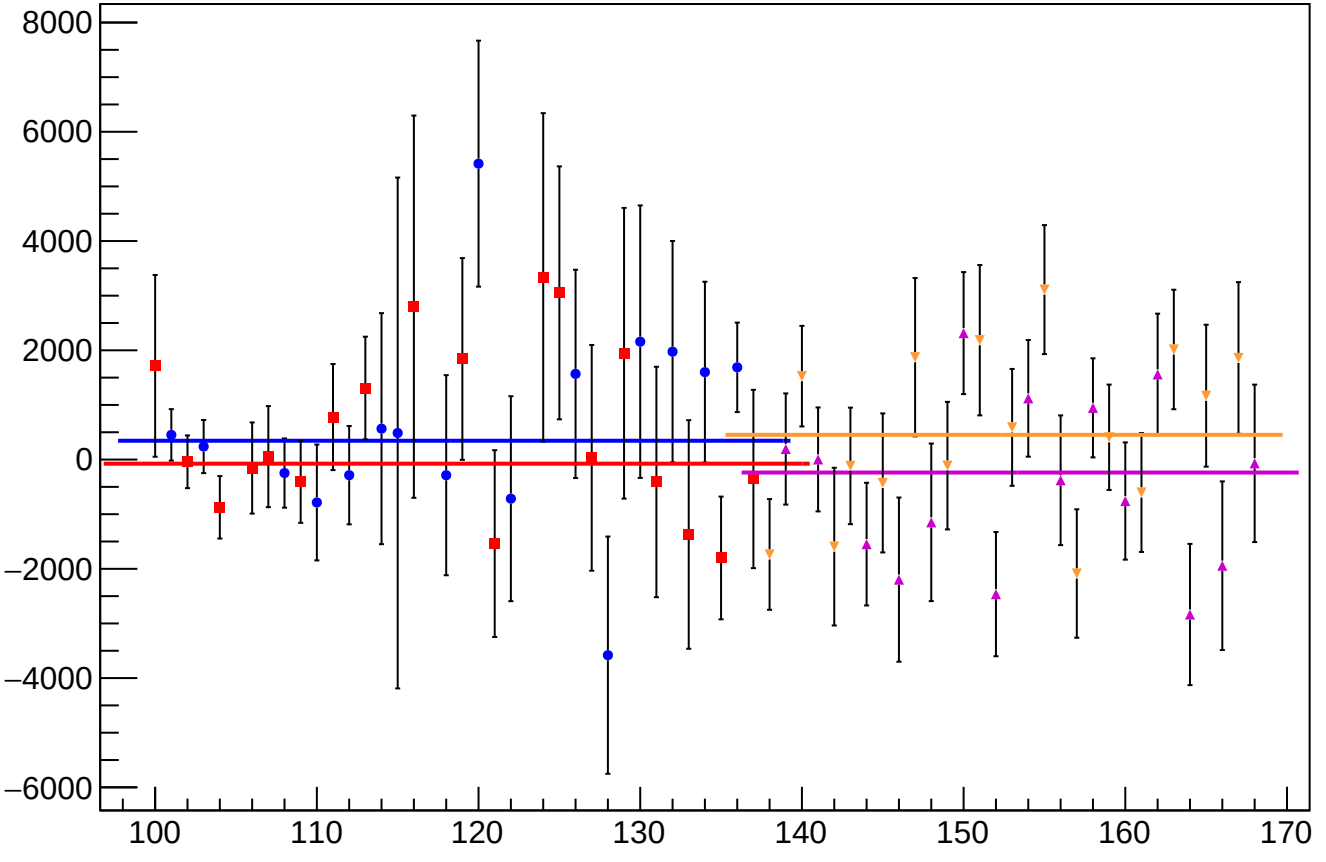
Left In: 167.586+/-0.034 χ^2/NDF:190378.5/14

+ sign 141.592+/-0.023 χ^2/NDF: 1536822.5/31

All: 140.307+/-0.016 χ^2/NDF: 3804554.4/65

- sign 139.046+/-0.023 χ^2/NDF: 2261534.4/33

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 452.825+/-288.078 χ^2/NDF:25.6/15

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

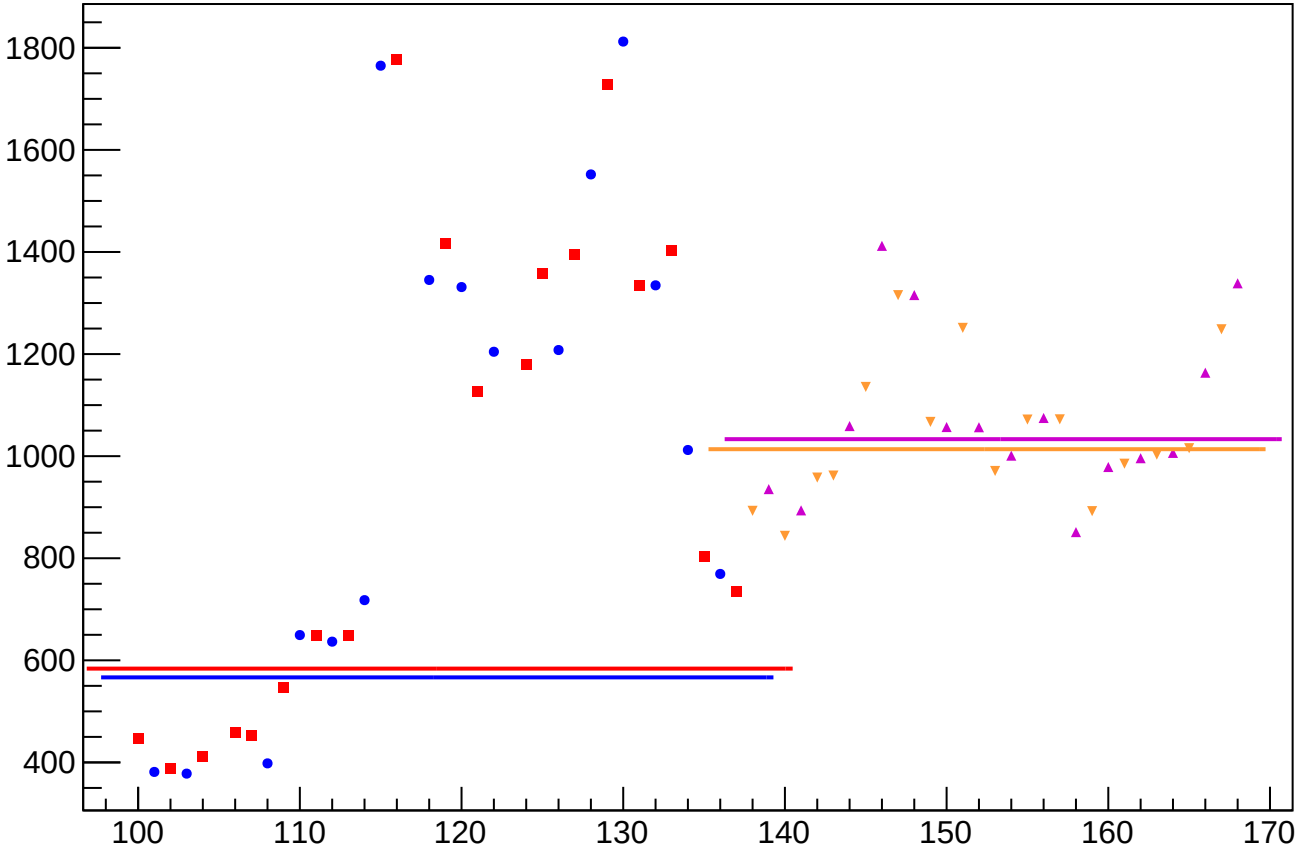
Left In: -237.342+/-296.923 χ^2/NDF:24.2/14

+ sign 389.178+/-185.085 χ^2/NDF: 42.0/31

All: 127.350+/-131.504 χ^2/NDF: 85.7/65

- sign -139.569+/-186.876 χ^2/NDF: 39.7/33

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1013.642+/-0.204 χ^2/NDF:376484.8/15

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

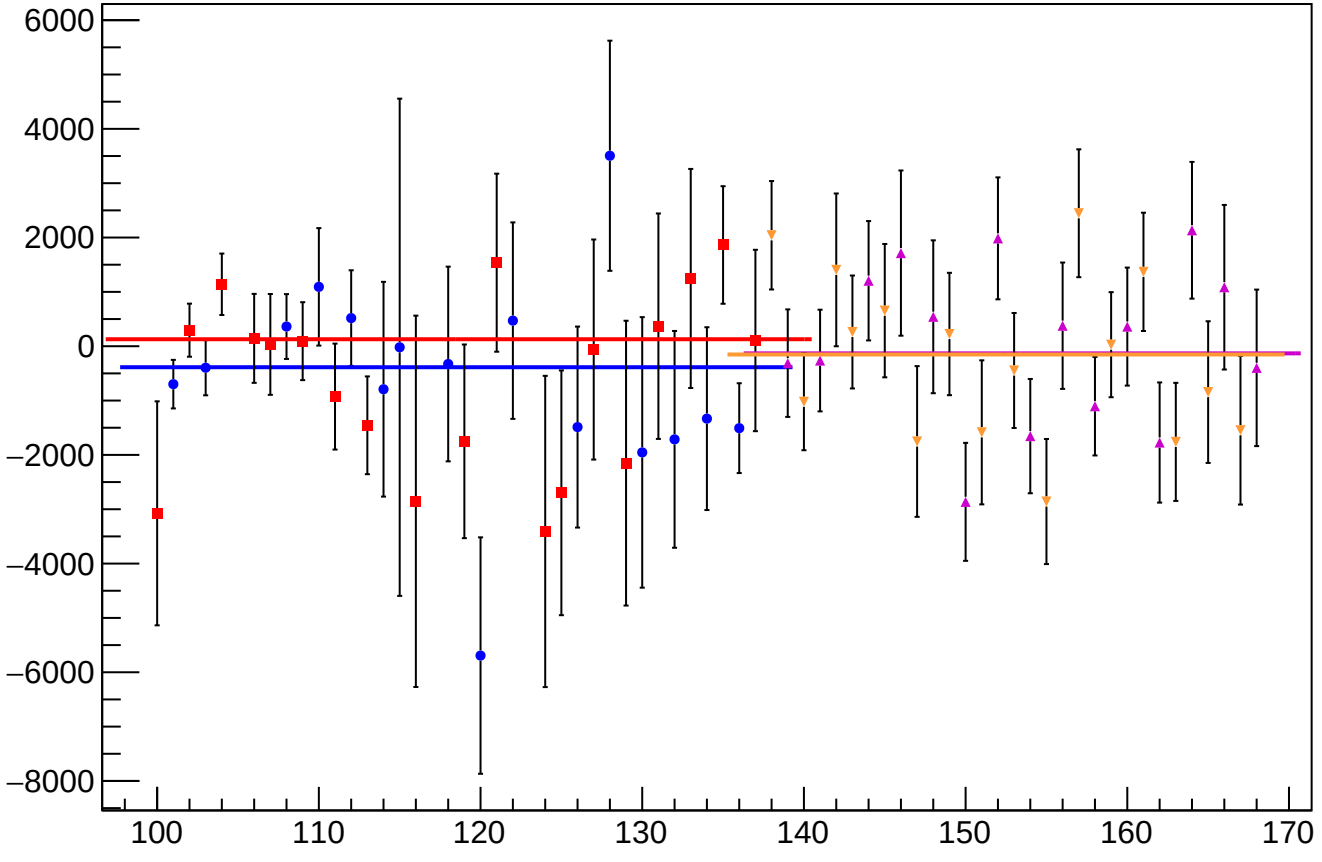
Left In: 1033.308+/-0.210 χ^2/NDF:465188.0/14

+ sign 751.134+/-0.131 χ^2/NDF: 6637053.1/31

All: 756.442+/-0.093 χ^2/NDF: 12981196.3/65

- sign 761.853+/-0.132 χ^2/NDF: 6340821.1/33

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -152.143+/-282.960 χ^2/NDF:26.2/15

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

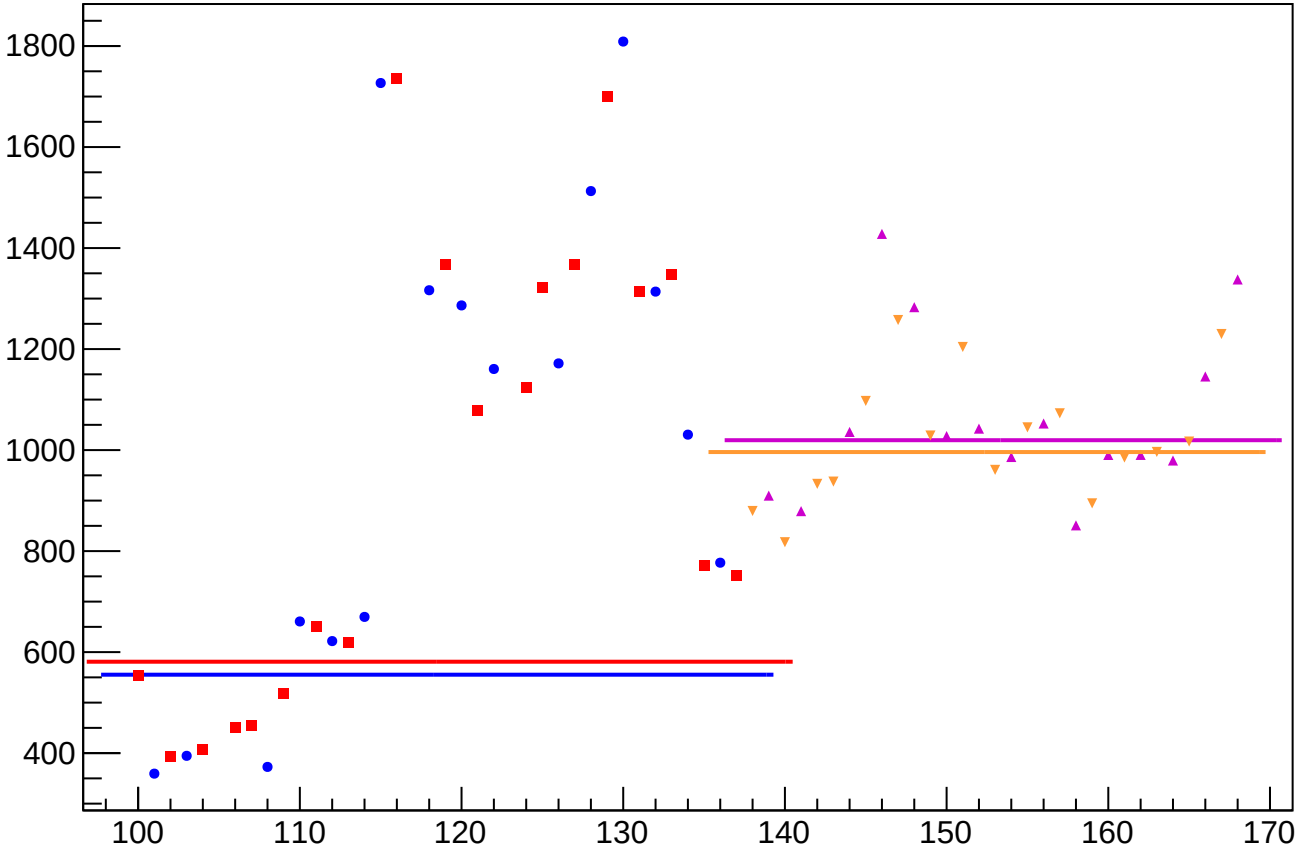
Left In: -131.485+/-292.973 χ^2/NDF:22.9/14

+ sign -289.638+/-181.925 χ^2/NDF: 44.5/31

All: -134.789+/-129.659 χ^2/NDF: 88.8/65

- sign 25.063+/-184.840 χ^2/NDF: 42.8/33

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 996.133+/-0.200 χ^2/NDF:349028.8/15

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

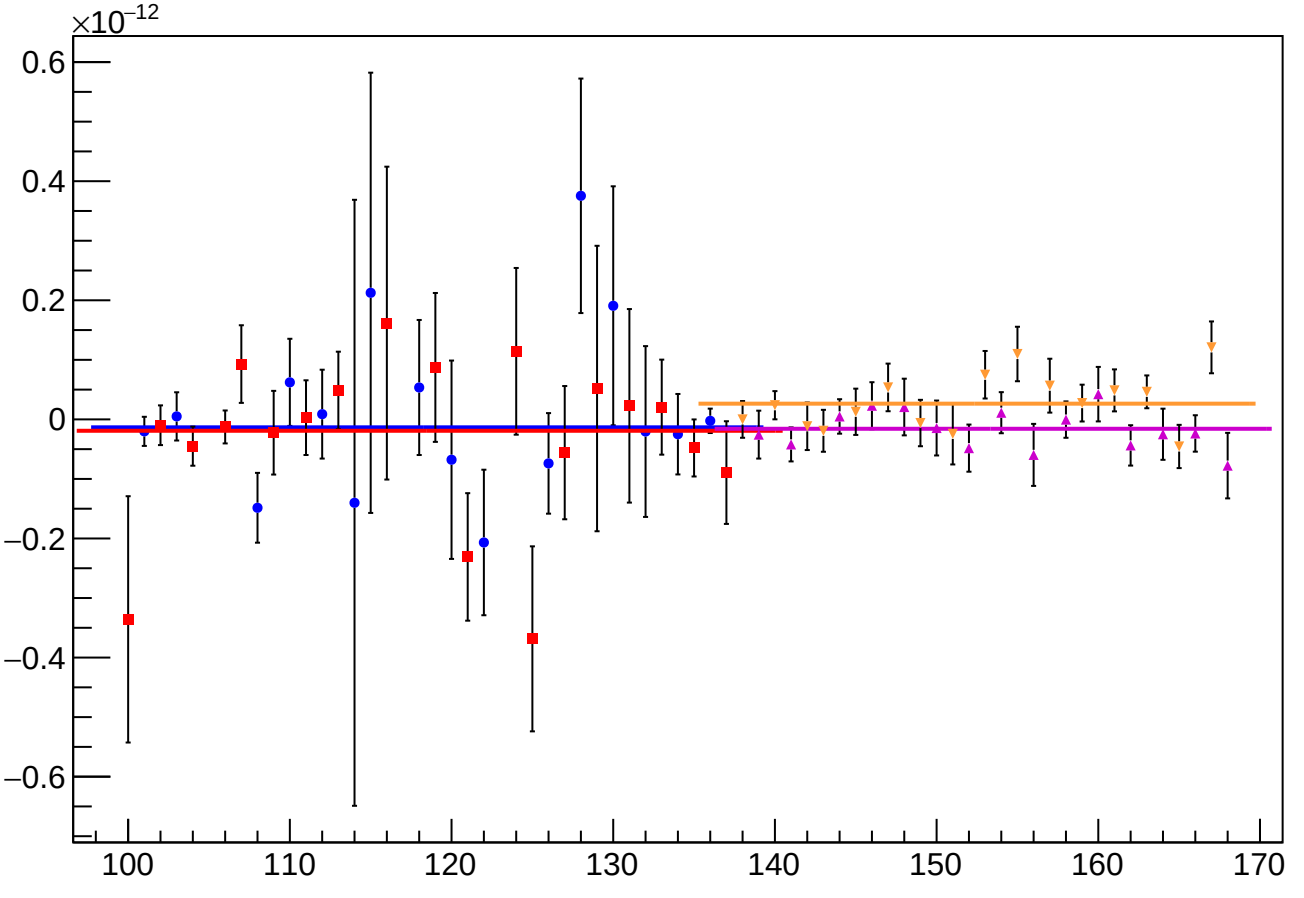
Left In: 1019.576+/-0.207 χ^2/NDF:474854.4/14

+ sign 737.521+/-0.129 χ^2/NDF: 6679377.1/31

All: 746.403+/-0.092 χ^2/NDF: 12845430.5/65

- sign 755.573+/-0.131 χ^2/NDF: 6156364.0/33

asym_sam6_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:20.4/15

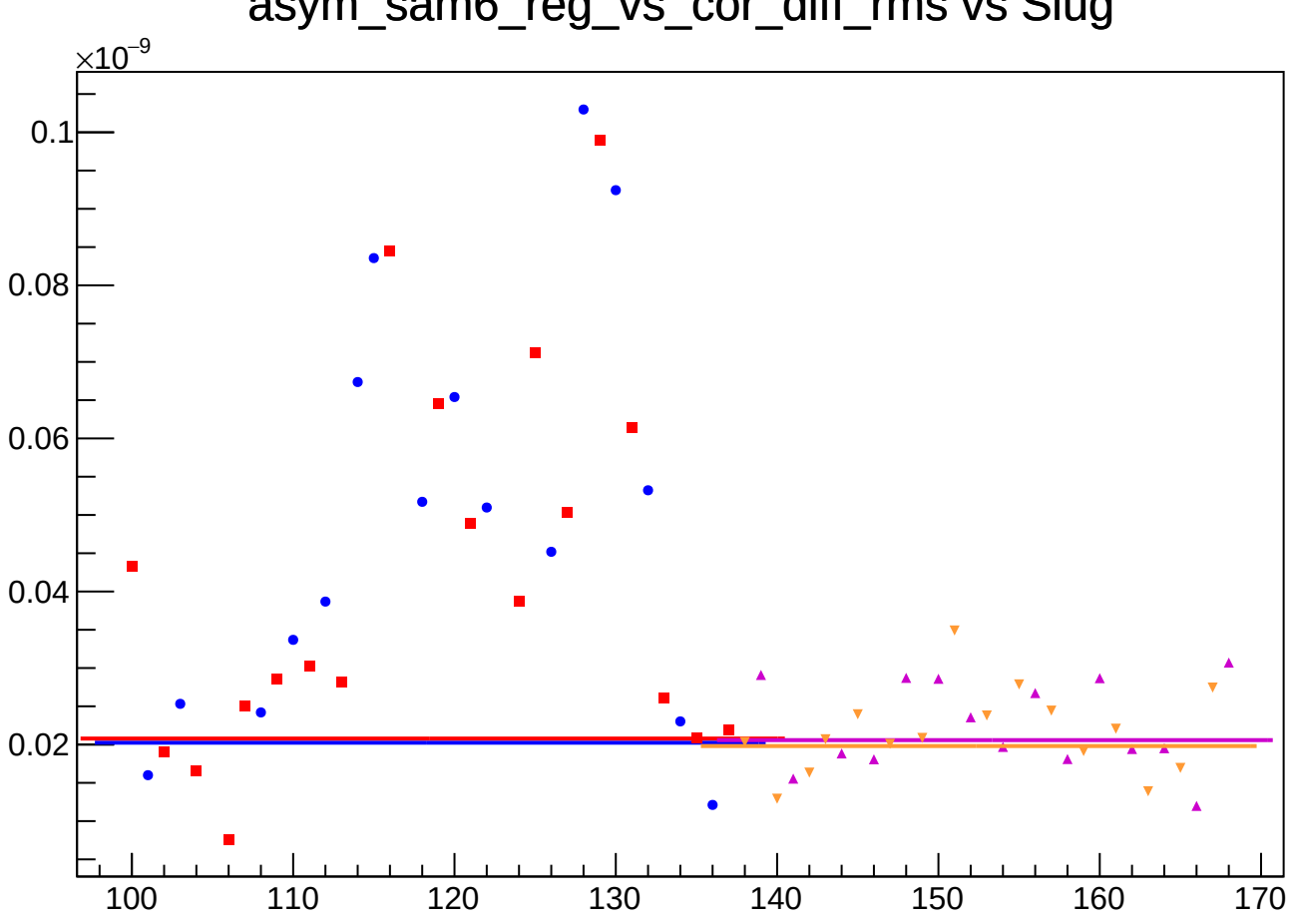
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/14

+ sign 0.000+/-0.000 χ^2/NDF: 42.7/31

All: -0.000+/-0.000 χ^2/NDF: 79.5/65

- sign -0.000+/-0.000 χ^2/NDF: 28.8/33



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:661009.2/15

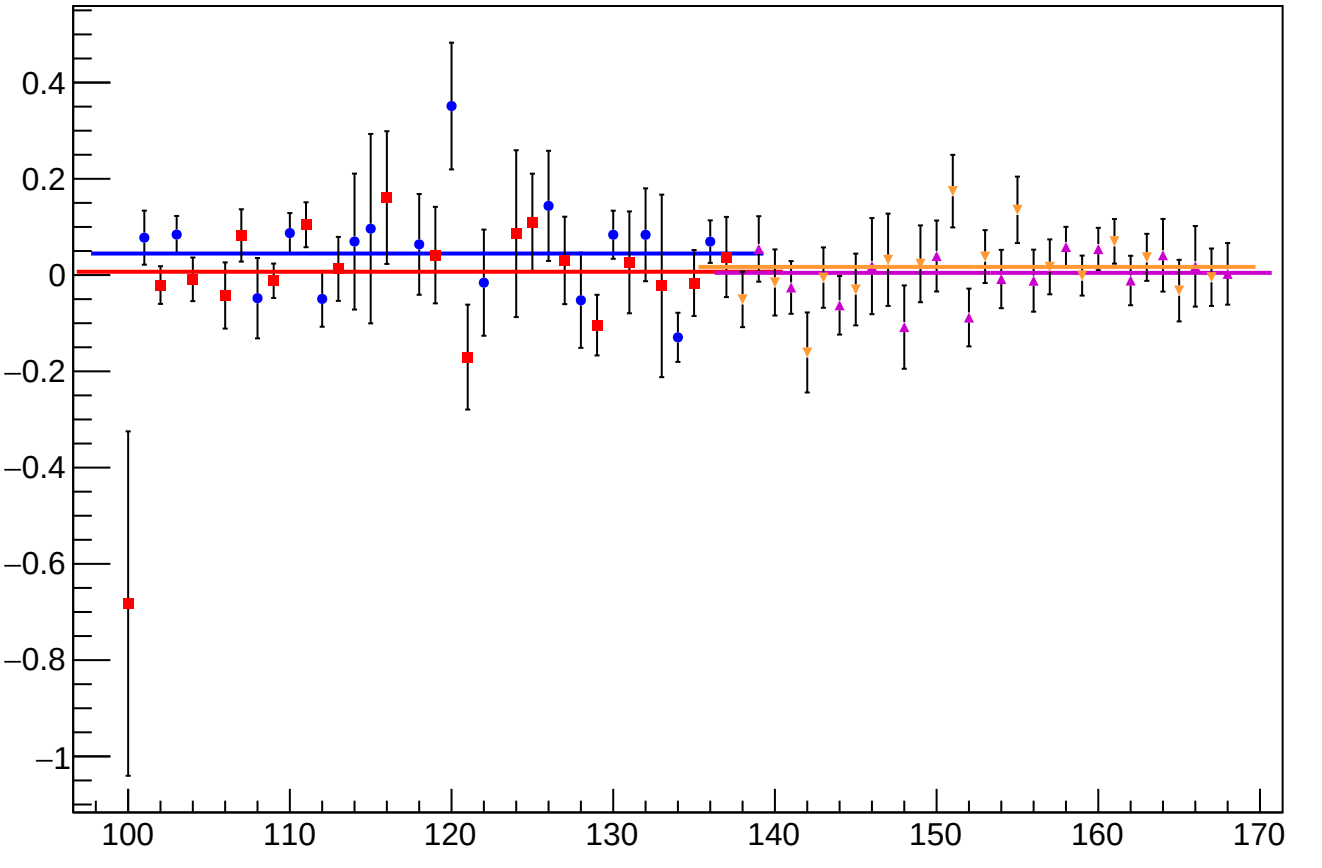
Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:631334.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 2667241.1/31

All: 0.000+/-0.000 χ^2/NDF: 5163198.9/65

- sign 0.000+/-0.000 χ^2/NDF: 2487509.8/33



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.017+/-0.015 χ^2/NDF:16.6/15

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

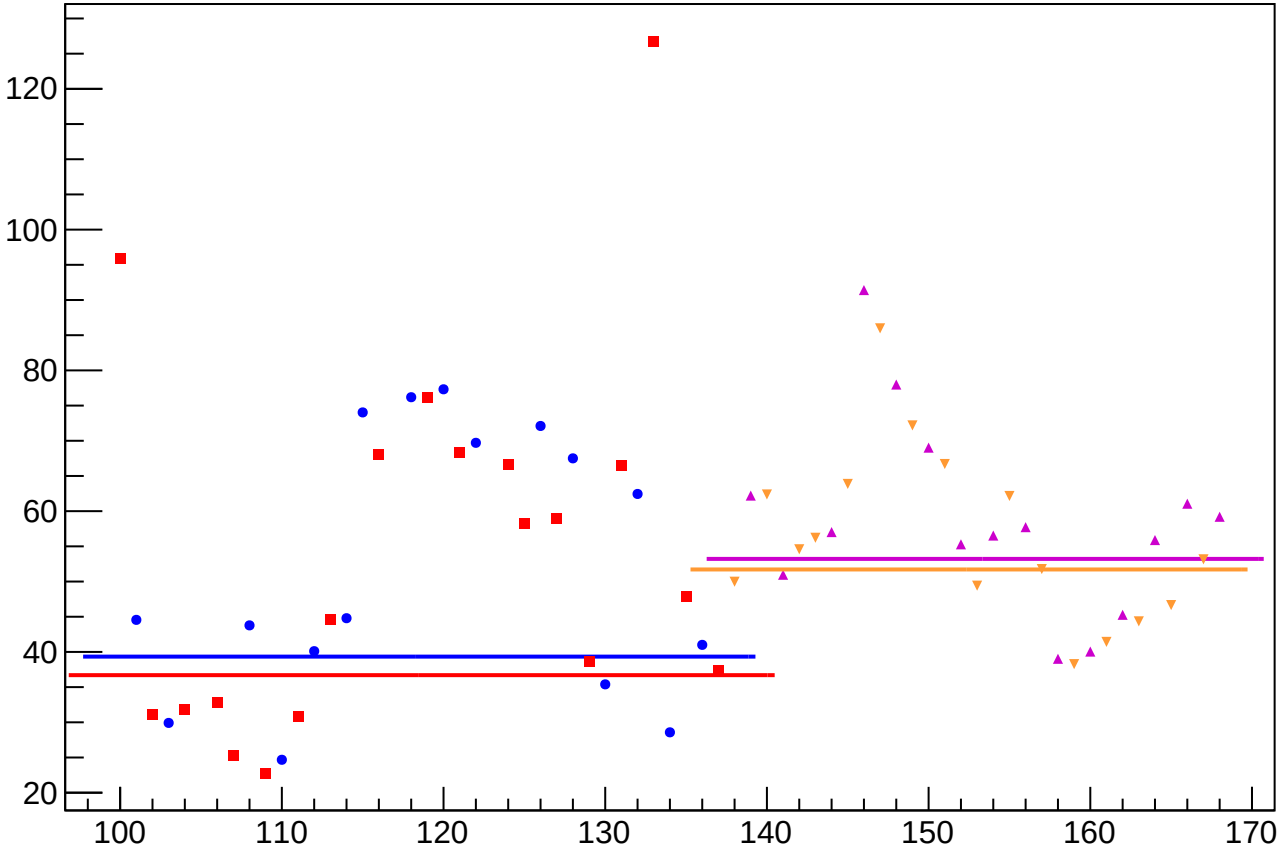
Left In: 0.005+/-0.016 χ^2/NDF:9.8/14

+ sign 0.030+/-0.011 χ^2/NDF: 44.8/31

All: 0.018+/-0.008 χ^2/NDF: 77.2/65

- sign 0.006+/-0.011 χ^2/NDF: 29.9/33

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.717+/-0.011 χ^2/NDF:998530.4/15

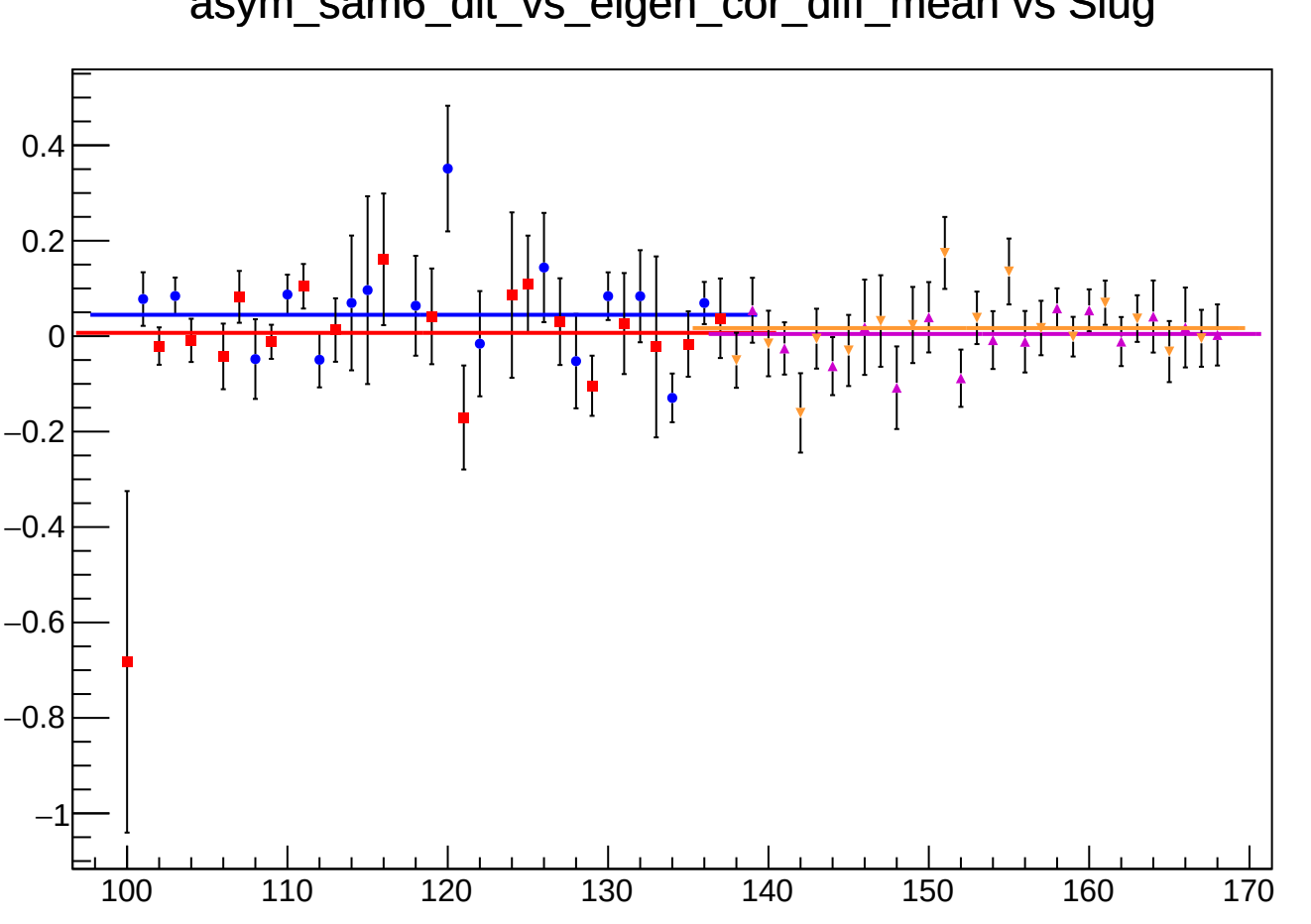
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 53.218+/-0.011 χ^2/NDF:1106499.2/14

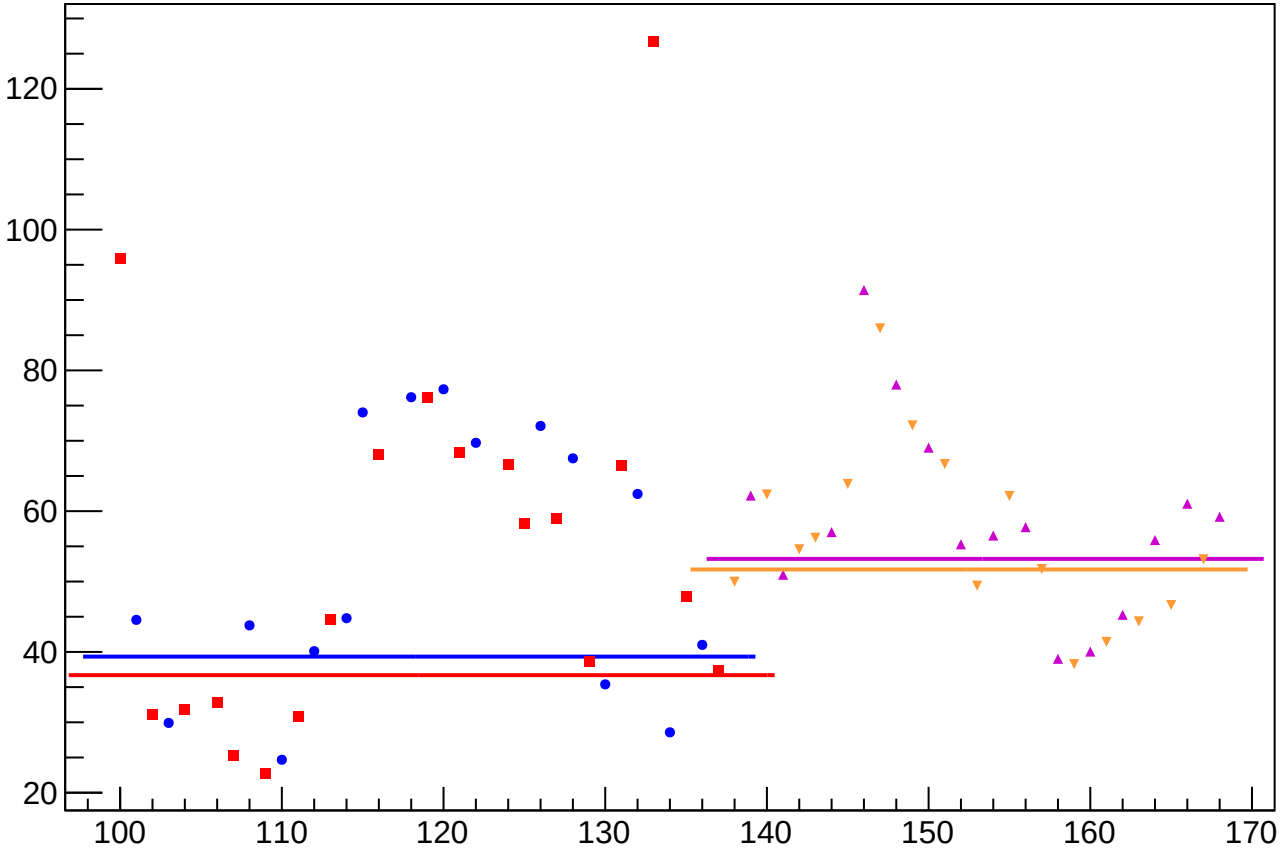
+ sign 45.881+/-0.008 χ^2/NDF: 3196589.5/31

All: 45.255+/-0.005 χ^2/NDF: 7561620.1/65

- sign 44.641+/-0.008 χ^2/NDF: 4352195.4/33


asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.017+/-0.015 χ²/NDF:16.6/15
Right Out: 0.007+/-0.015 χ²/NDF: 20.2/18
Left In: 0.005+/-0.016 χ²/NDF:9.8/14
+ sign 0.030+/-0.011 χ²/NDF: 44.8/31
All: 0.018+/-0.008 χ²/NDF: 77.2/65
- sign 0.006+/-0.011 χ²/NDF: 29.9/33

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.717+/-0.011 χ^2/NDF:998530.4/15

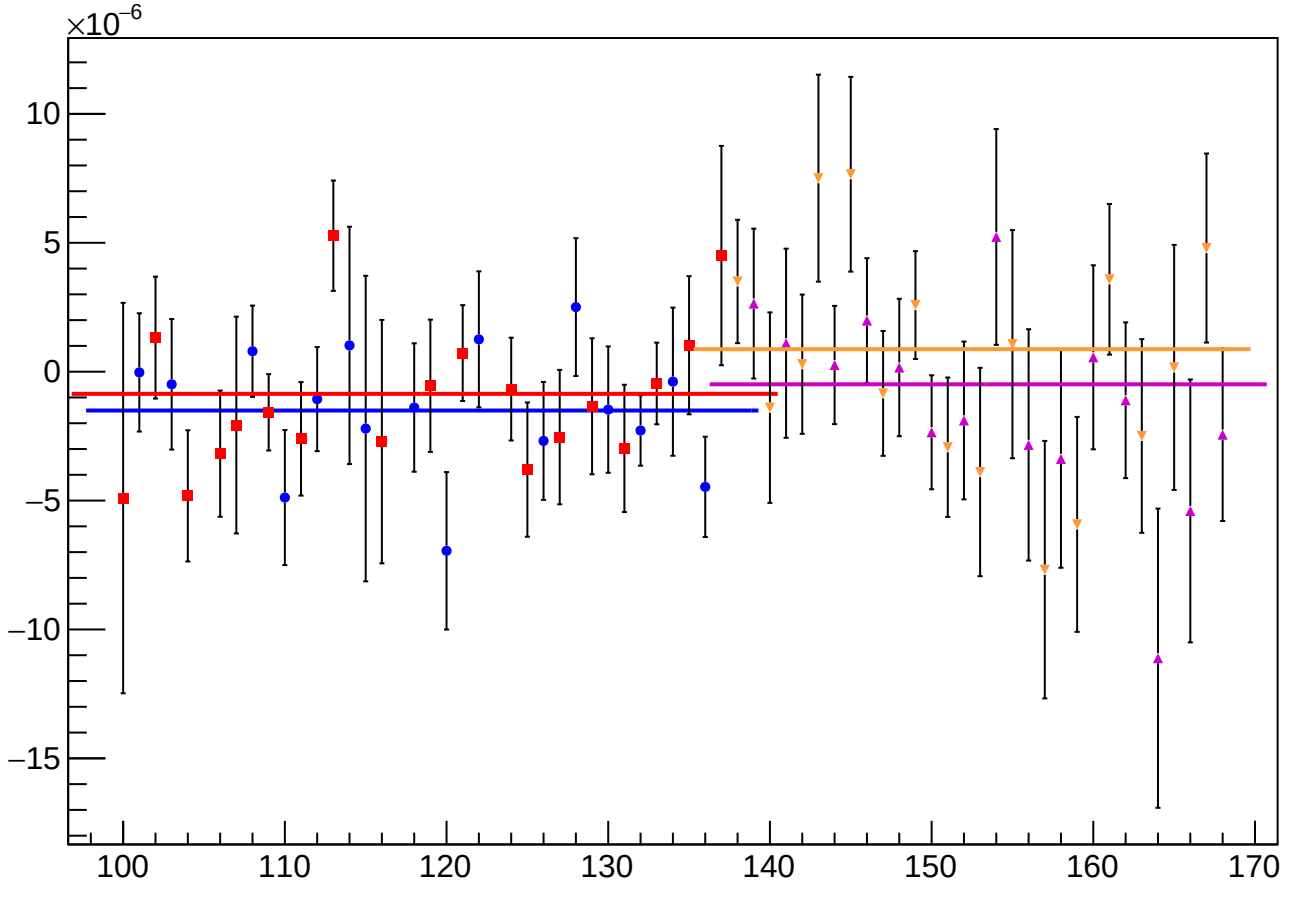
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 53.218+/-0.011 χ^2/NDF:1106499.2/14

\+ sign 45.881+/-0.008 χ^2/NDF: 3196589.5/31

All: 45.255+/-0.005 χ^2/NDF: 7561620.1/65

\- sign 44.641+/-0.008 χ^2/NDF: 4352195.4/33



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

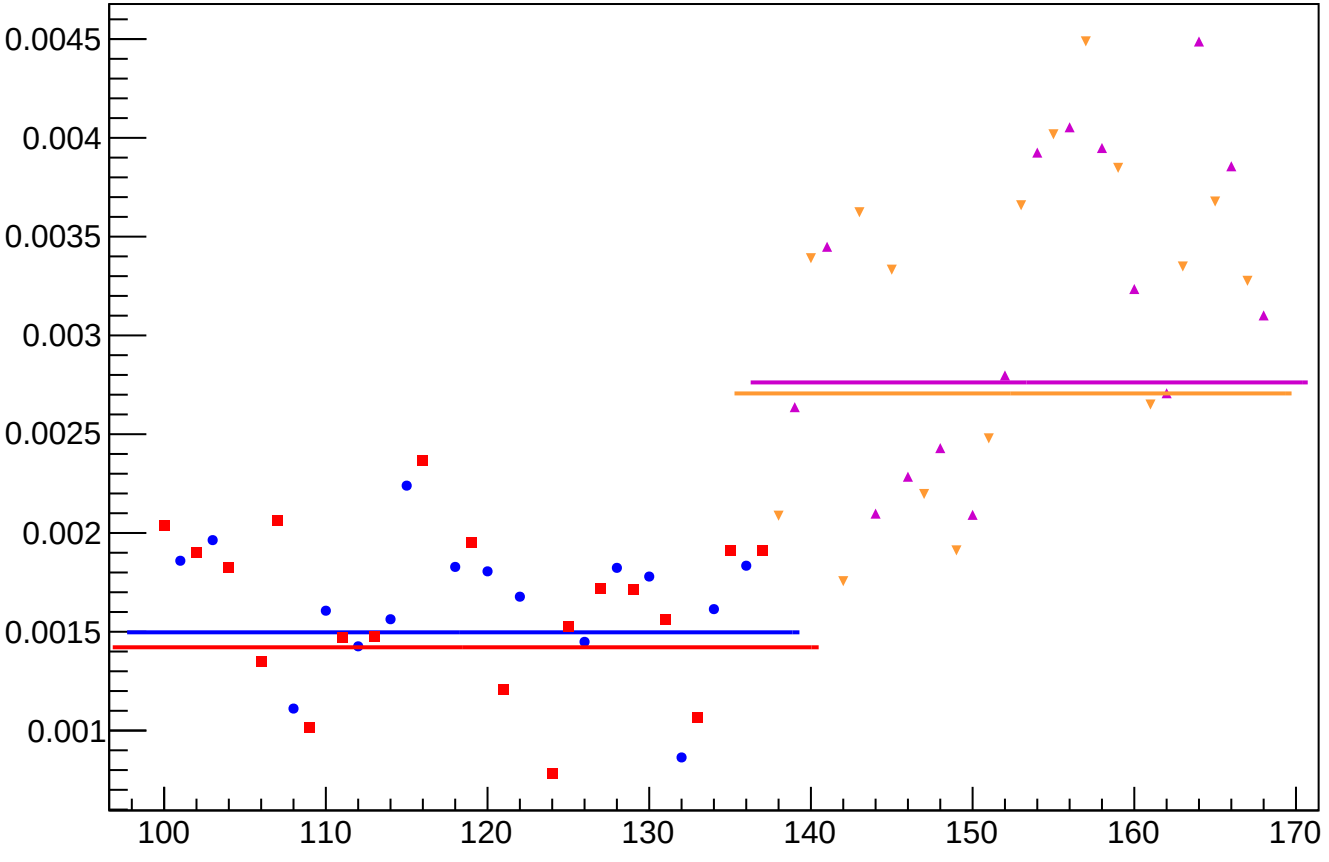
Left In: -0.000+/-0.000 χ^2/NDF:10.8/14

+ sign -0.000+/-0.000 χ^2/NDF: 40.2/31

All: -0.000+/-0.000 χ^2/NDF: 70.3/65

- sign -0.000+/-0.000 χ^2/NDF: 30.1/33

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:1882482.2/15

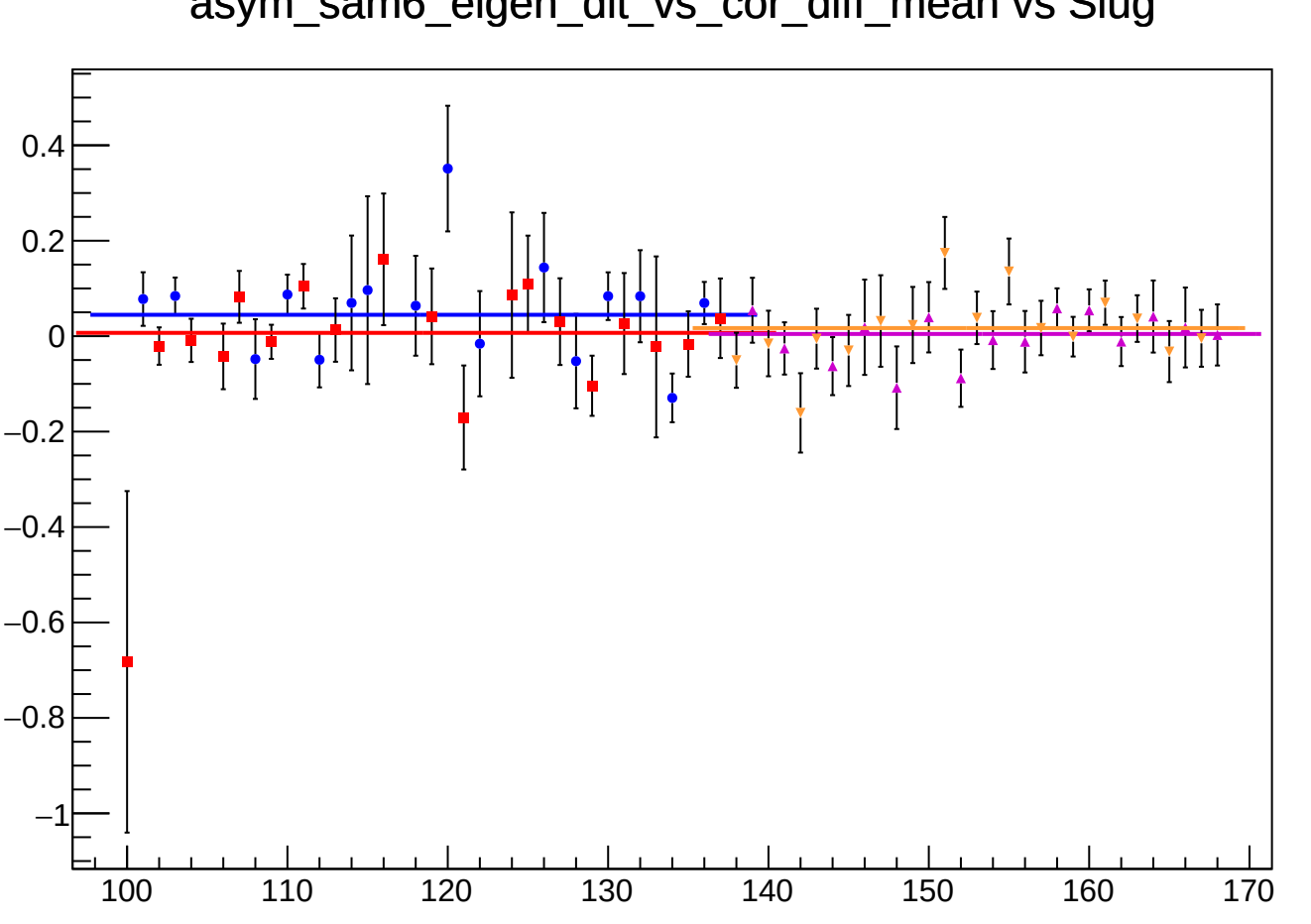
Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1337515.2/14

+ sign 0.002+/-0.000 χ^2/NDF: 5749959.2/31

All: 0.002+/-0.000 χ^2/NDF: 11876818.2/65

- sign 0.002+/-0.000 χ^2/NDF: 6096525.4/33



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.017+/-0.015 χ^2/NDF:16.6/15

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

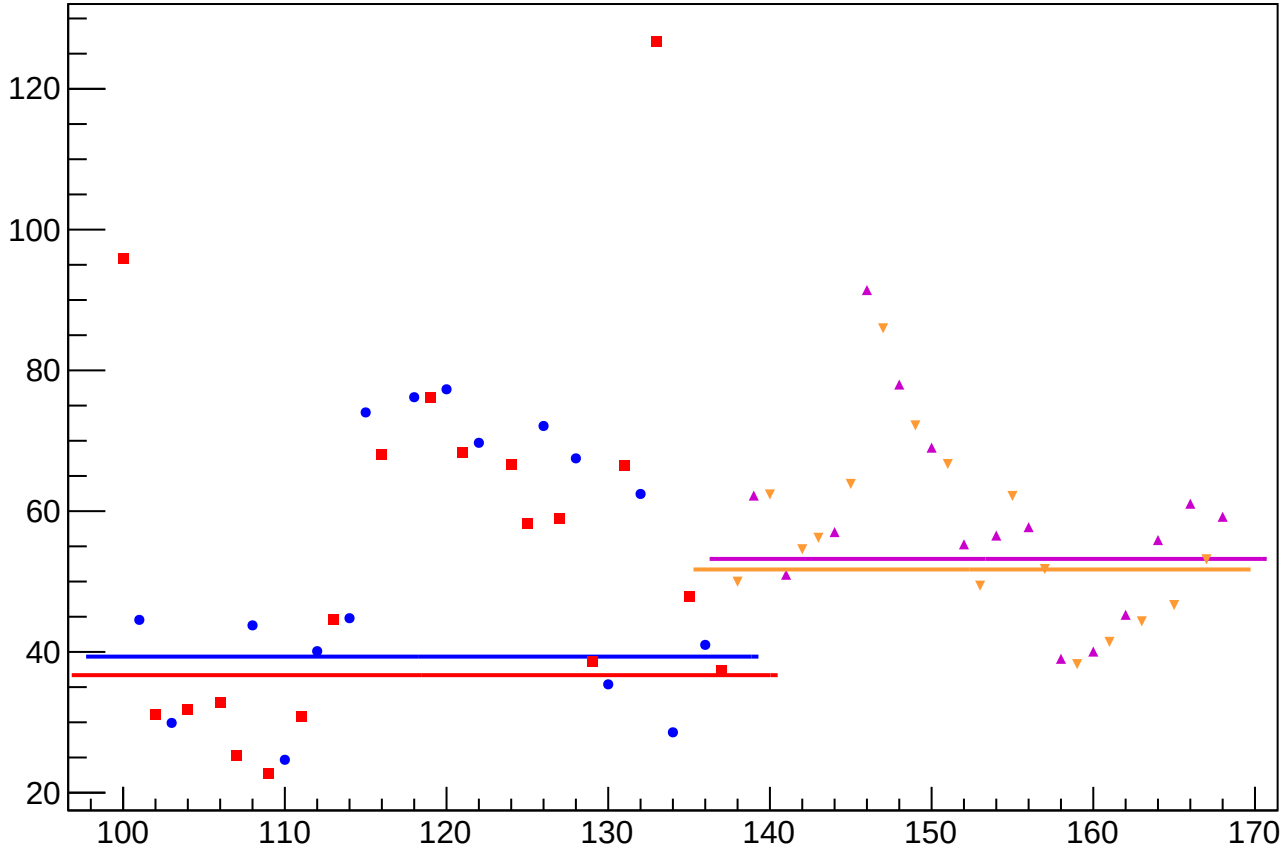
Left In: 0.005+/-0.016 χ^2/NDF:9.8/14

+ sign 0.030+/-0.011 χ^2/NDF: 44.8/31

All: 0.018+/-0.008 χ^2/NDF: 77.2/65

- sign 0.006+/-0.011 χ^2/NDF: 29.9/33

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 51.715+/-0.011 χ^2/NDF:998602.8/15

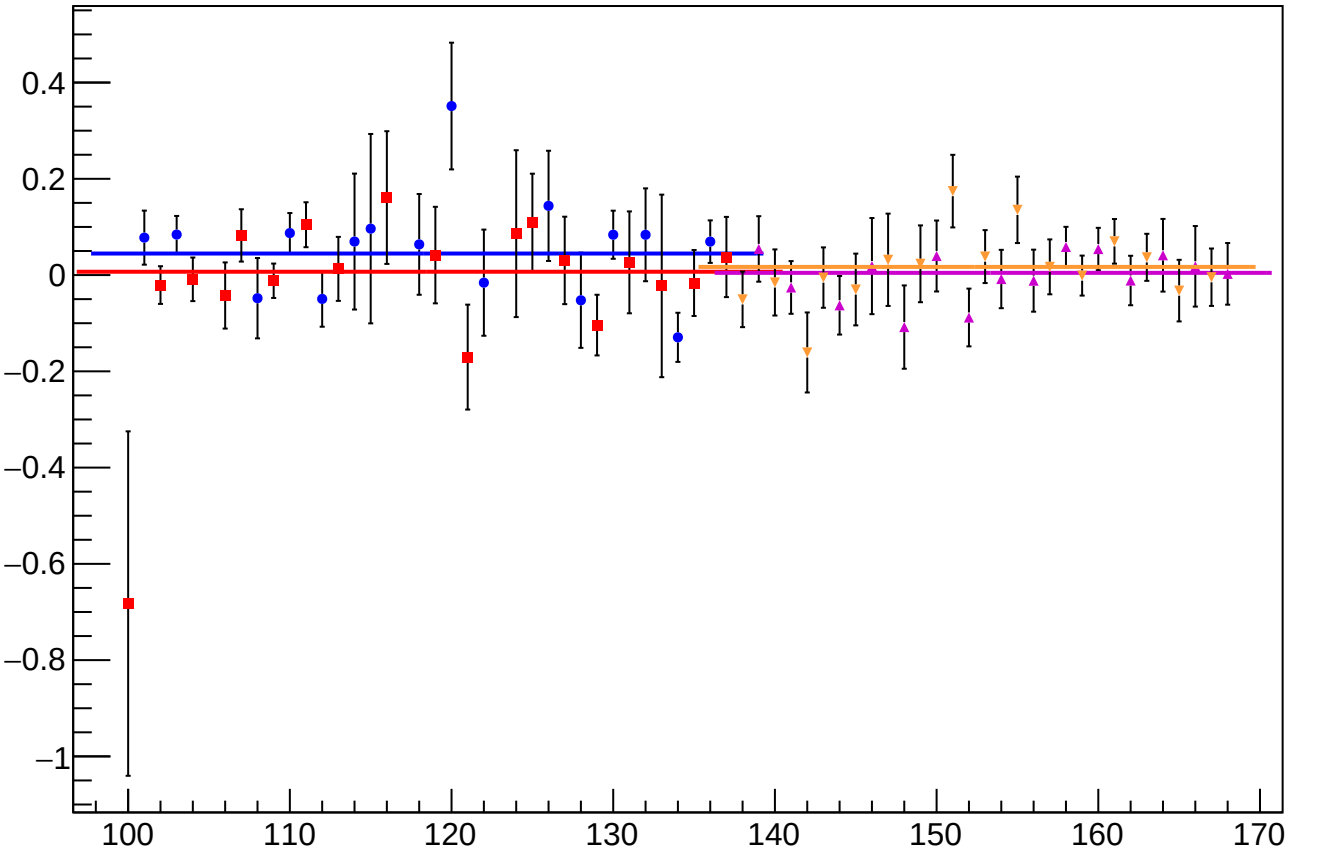
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 53.216+/-0.011 χ^2/NDF:1106620.7/14

+ sign 45.880+/-0.008 χ^2/NDF: 3196643.7/31

All: 45.254+/-0.005 χ^2/NDF: 7561676.1/65

- sign 44.640+/-0.008 χ^2/NDF: 4352200.0/33



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.017+/-0.015 χ^2/NDF:16.6/15

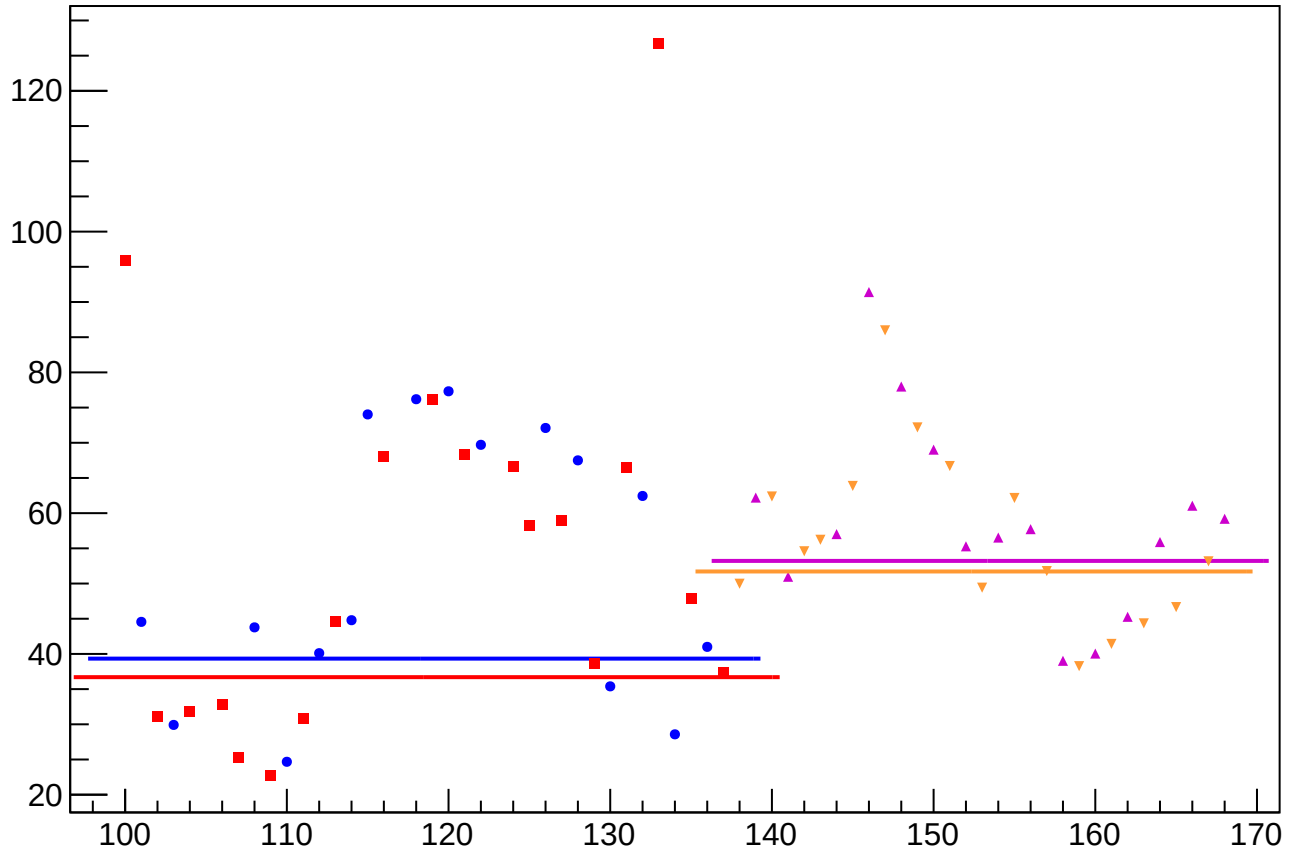
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.005+/-0.016 χ^2/NDF:9.8/14

+ sign 0.030+/-0.011 χ^2/NDF: 44.8/31

All: 0.018+/-0.008 χ^2/NDF: 77.2/65

- sign 0.006+/-0.011 χ^2/NDF: 29.9/33



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 51.715+/-0.011 χ^2/NDF:998602.8/15

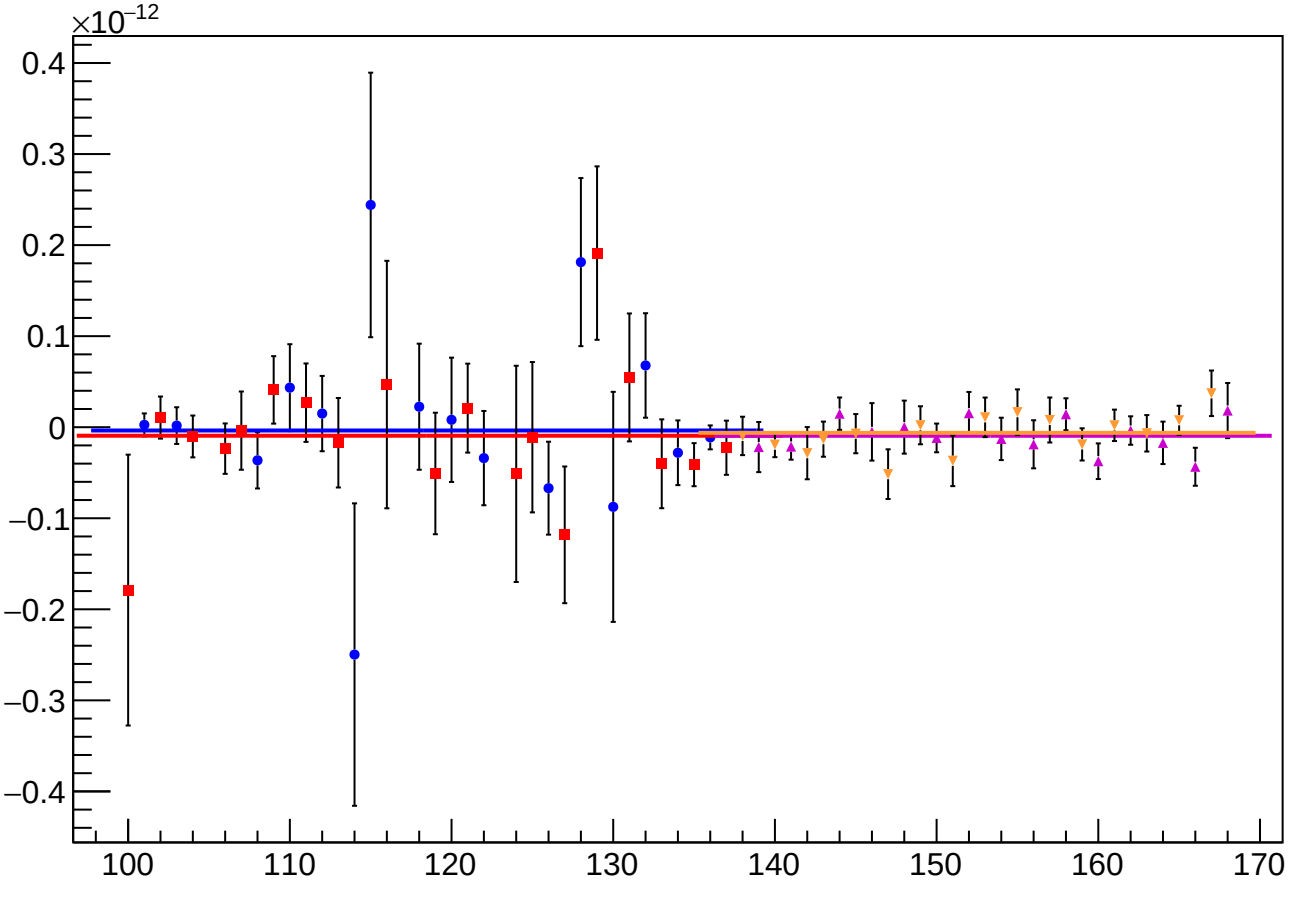
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 53.216+/-0.011 χ^2/NDF:1106620.7/14

+ sign 45.880+/-0.008 χ^2/NDF: 3196643.7/31

All: 45.254+/-0.005 χ^2/NDF: 7561676.1/65

- sign 44.640+/-0.008 χ^2/NDF: 4352200.0/33



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

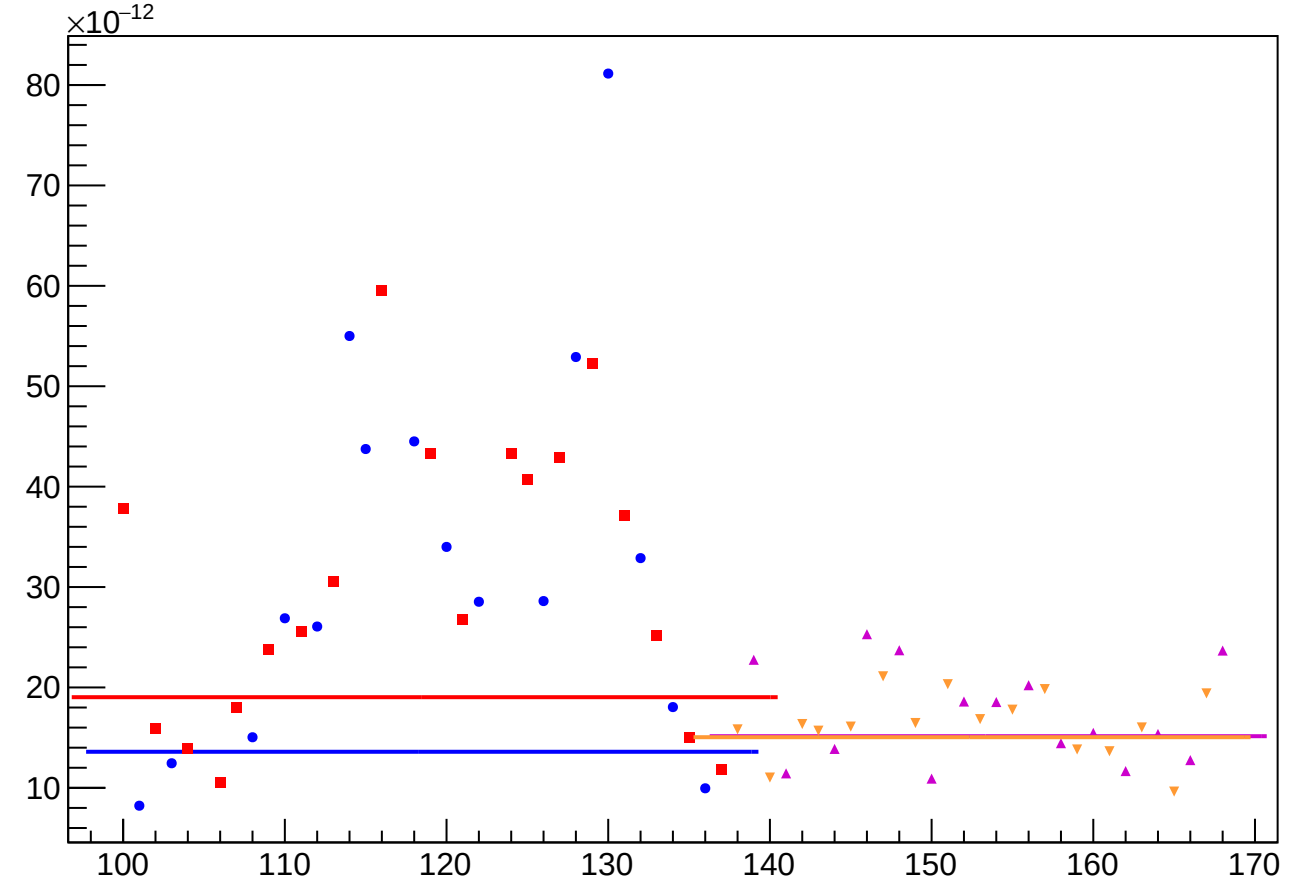
Left In: -0.000+/-0.000 χ^2/NDF:11.8/14

+ sign -0.000+/-0.000 χ^2/NDF: 28.7/31

All: -0.000+/-0.000 χ^2/NDF: 56.7/65

- sign -0.000+/-0.000 χ^2/NDF: 27.5/33

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:795242.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

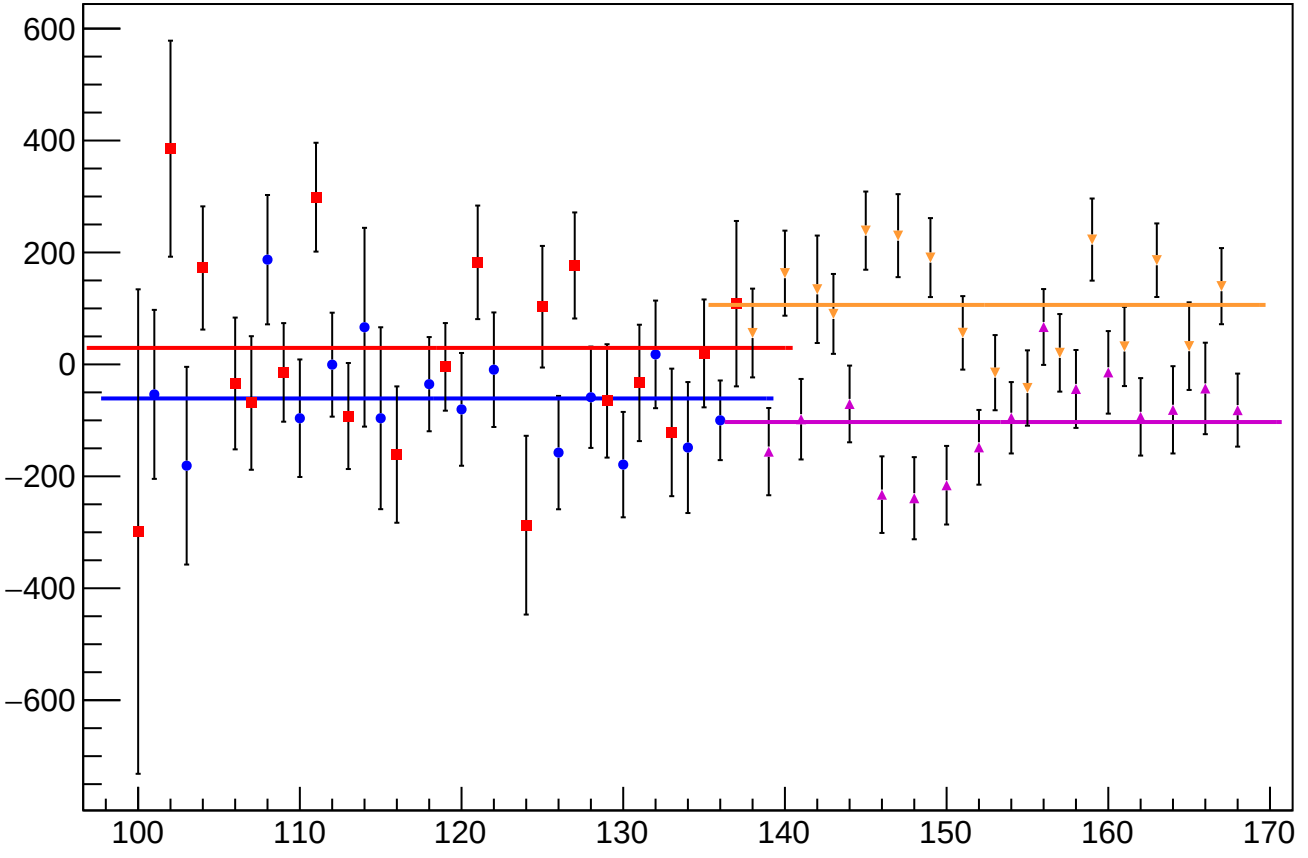
Left In: 0.000+/-0.000 χ^2/NDF:1267683.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 4036185.6/31

All: 0.000+/-0.000 χ^2/NDF: 7754037.8/65

- sign 0.000+/-0.000 χ^2/NDF: 3589899.5/33

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 106.279+/-17.952 χ^2/NDF:25.4/15

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

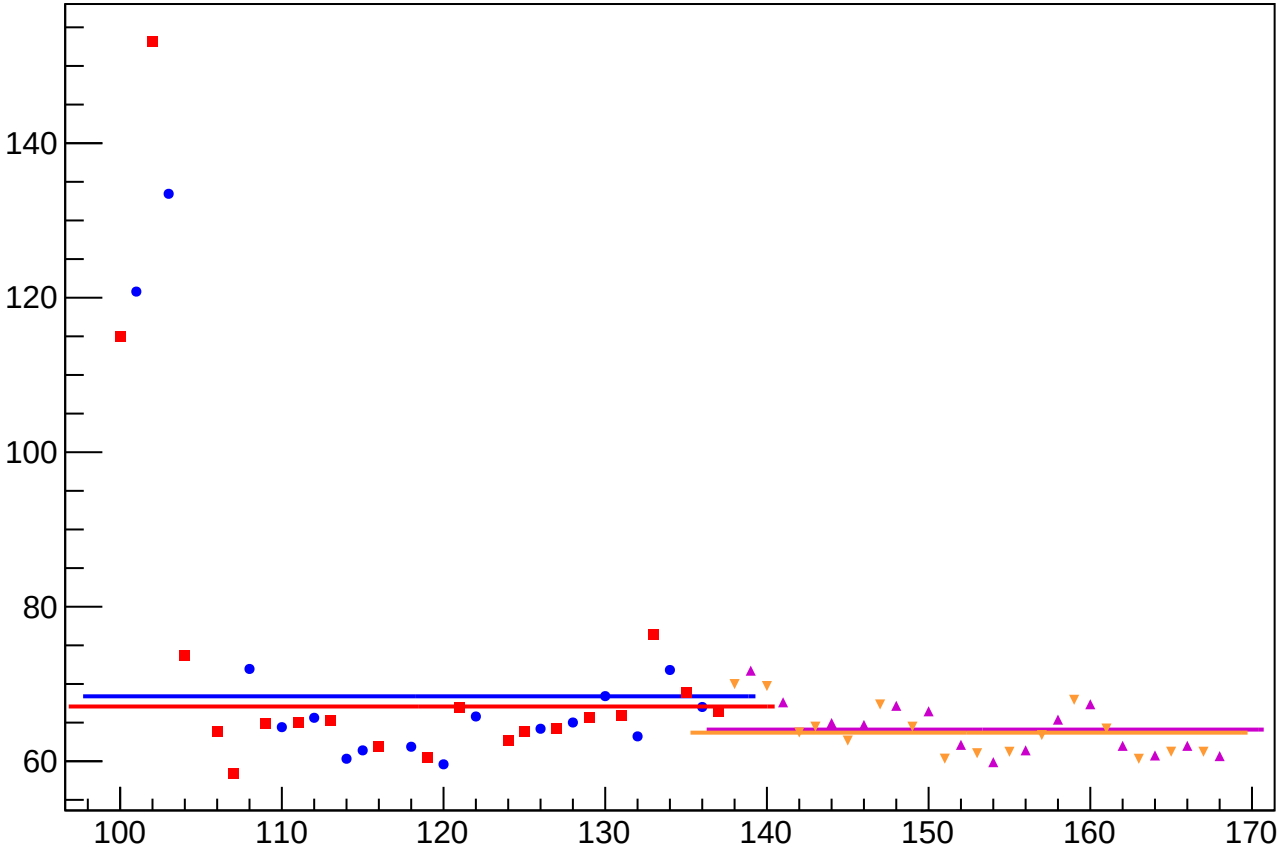
Left In: -102.979+/-18.232 χ^2/NDF:20.0/14

+ sign 52.474+/-14.783 χ^2/NDF: 63.8/31

All: -2.503+/-10.442 χ^2/NDF: 160.8/65

- sign -57.252+/-14.752 χ^2/NDF: 69.4/33

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.699+/-0.013 χ^2/NDF:58817.7/15

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

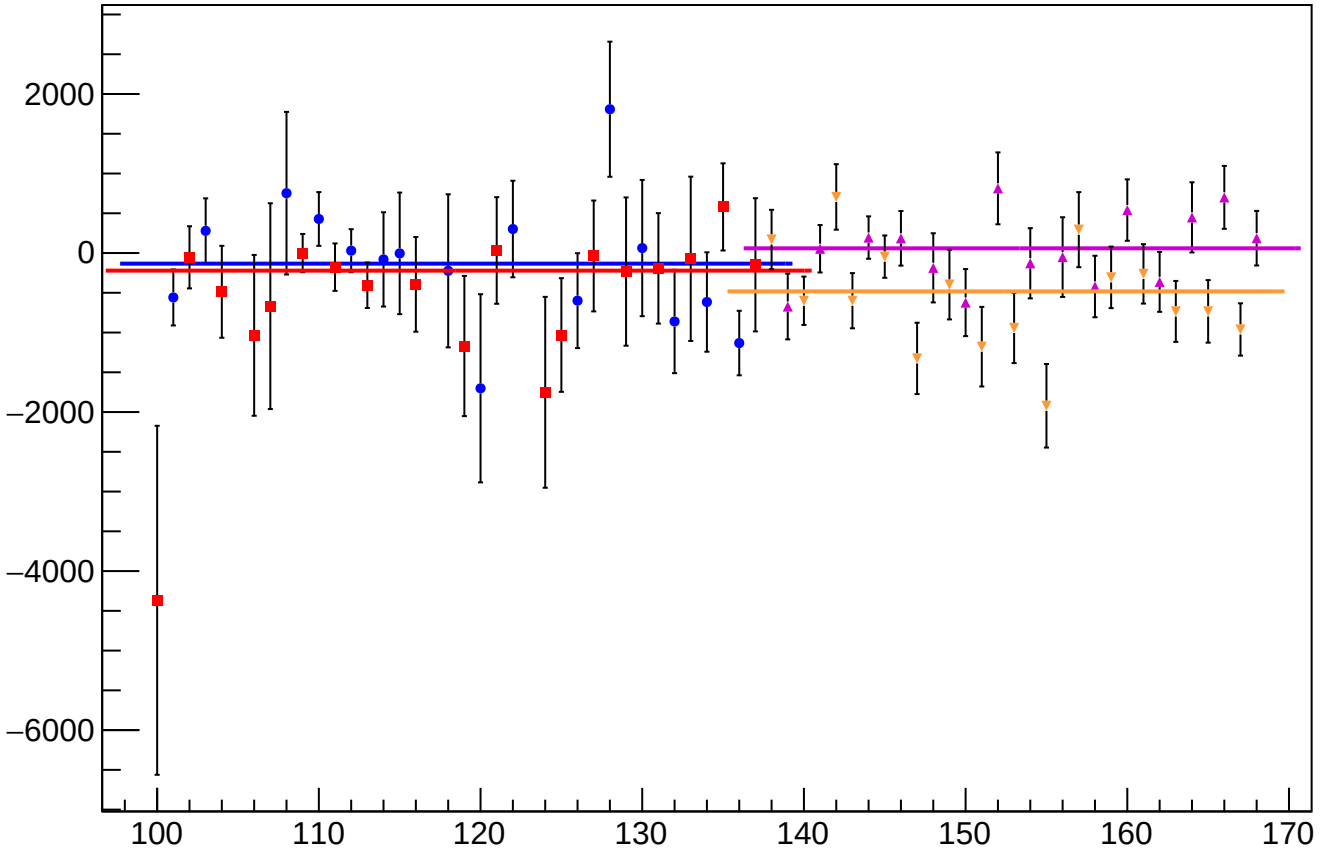
Left In: 64.096+/-0.013 χ^2/NDF:60882.8/14

+ sign 65.213+/-0.010 χ^2/NDF: 672597.1/31

All: 65.171+/-0.007 χ^2/NDF: 1233895.4/65

- sign 65.128+/-0.010 χ^2/NDF: 561265.4/33

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -482.424+/-95.317 χ^2/NDF:34.6/15

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

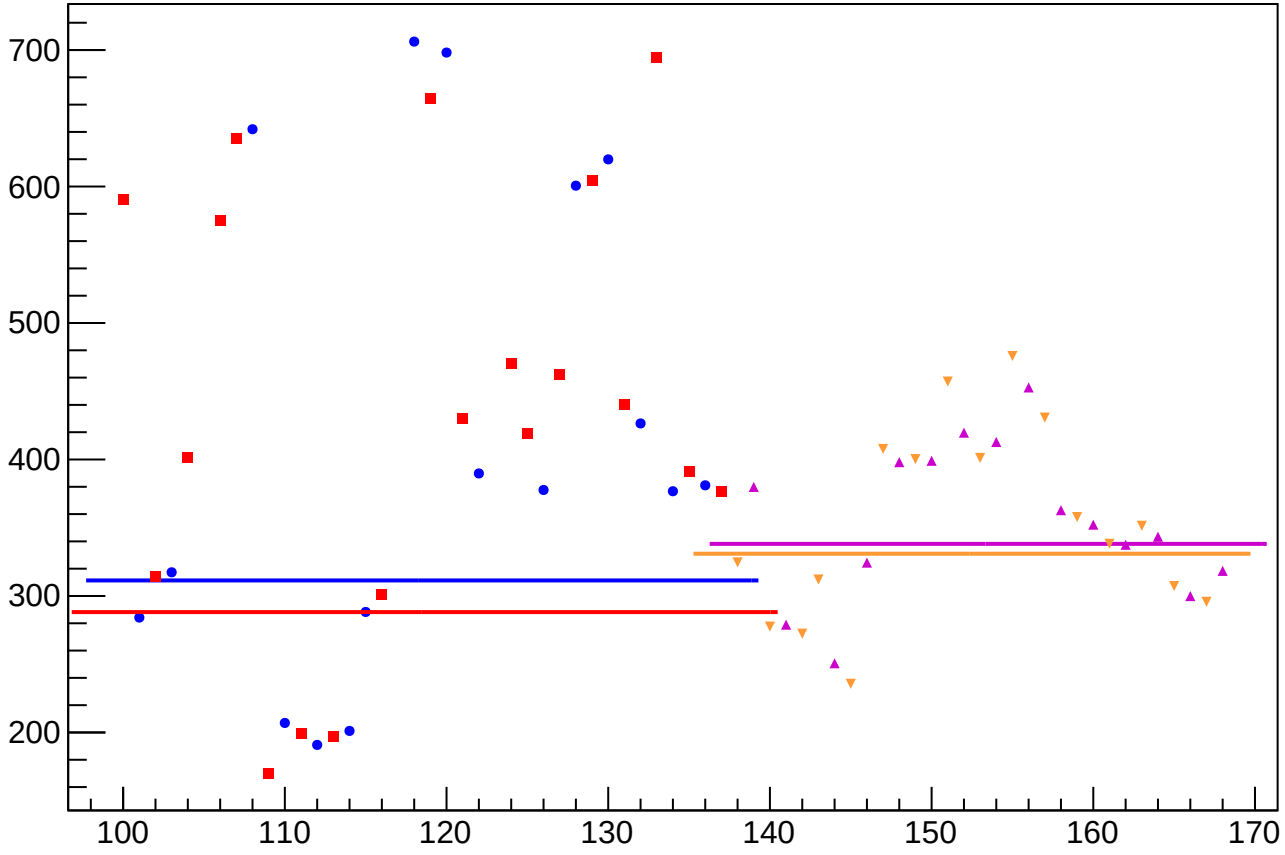
Left In: 59.211+/-97.579 χ^2/NDF:17.4/14

+ sign -355.334+/-75.995 χ^2/NDF: 62.0/31

All: -203.456+/-53.432 χ^2/NDF: 103.2/65

- sign -54.969+/-75.142 χ^2/NDF: 33.3/33

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 330.957+/-0.067 χ^2/NDF:938580.0/15

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

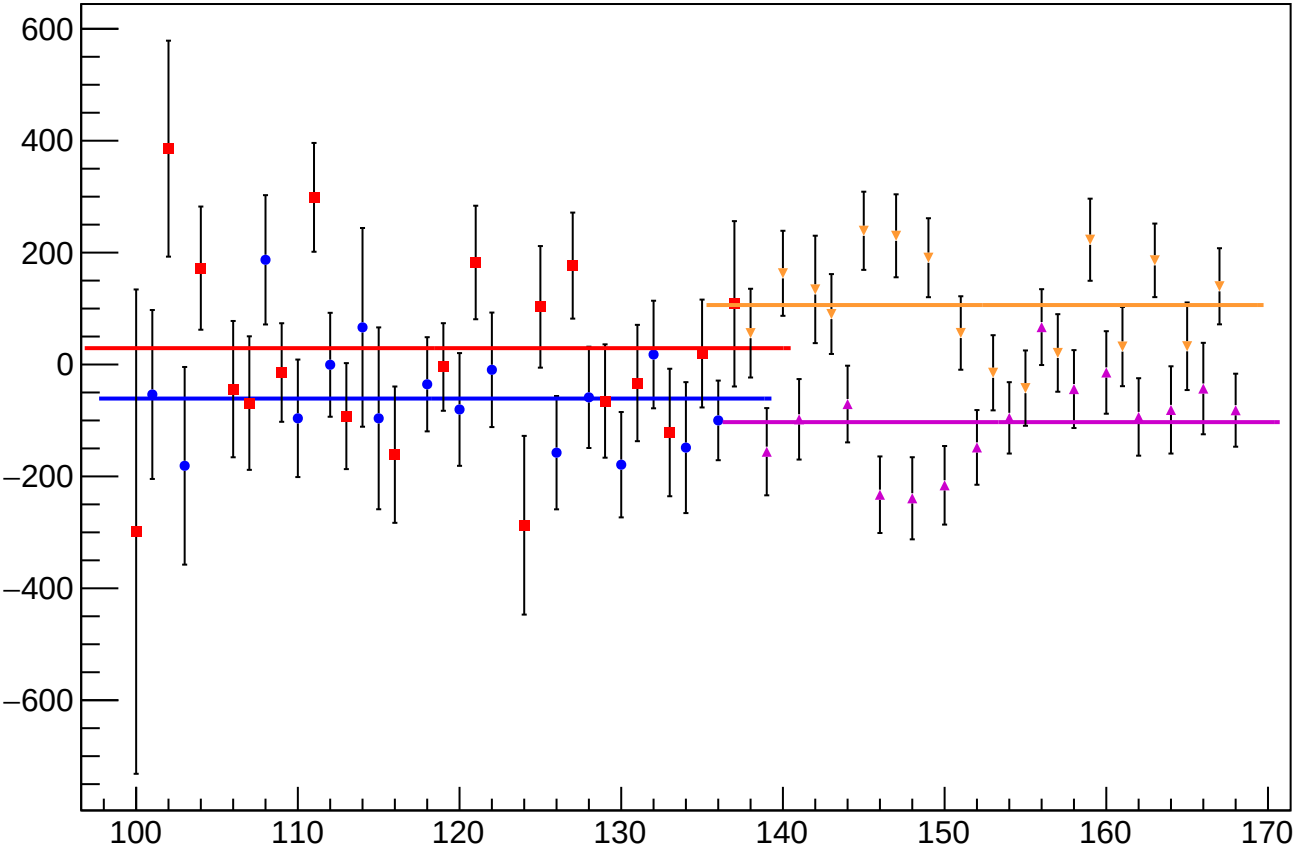
Left In: 338.177+/-0.069 χ^2/NDF:660456.7/14

+ sign 323.826+/-0.054 χ^2/NDF: 3093095.0/31

All: 320.799+/-0.038 χ^2/NDF: 6688703.3/65

- sign 317.838+/-0.053 χ^2/NDF: 3589328.9/33

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 106.280+/-17.952 χ^2/NDF:25.4/15

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

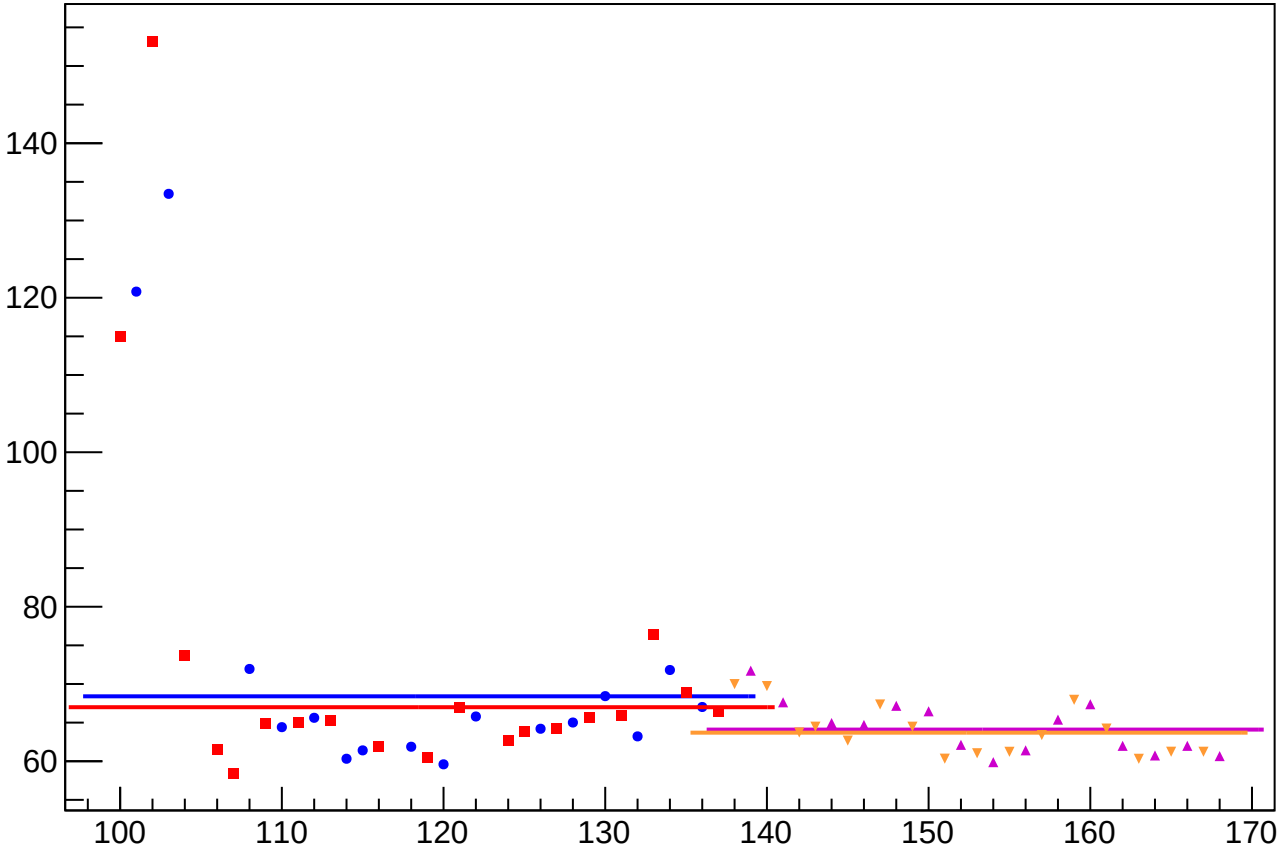
Left In: -102.978+/-18.232 χ^2/NDF:20.0/14

+ sign 52.474+/-14.783 χ^2/NDF: 63.9/31

All: -2.559+/-10.445 χ^2/NDF: 160.9/65

- sign -57.421+/-14.760 χ^2/NDF: 69.4/33

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.699+/-0.013 χ^2/NDF:58817.7/15

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

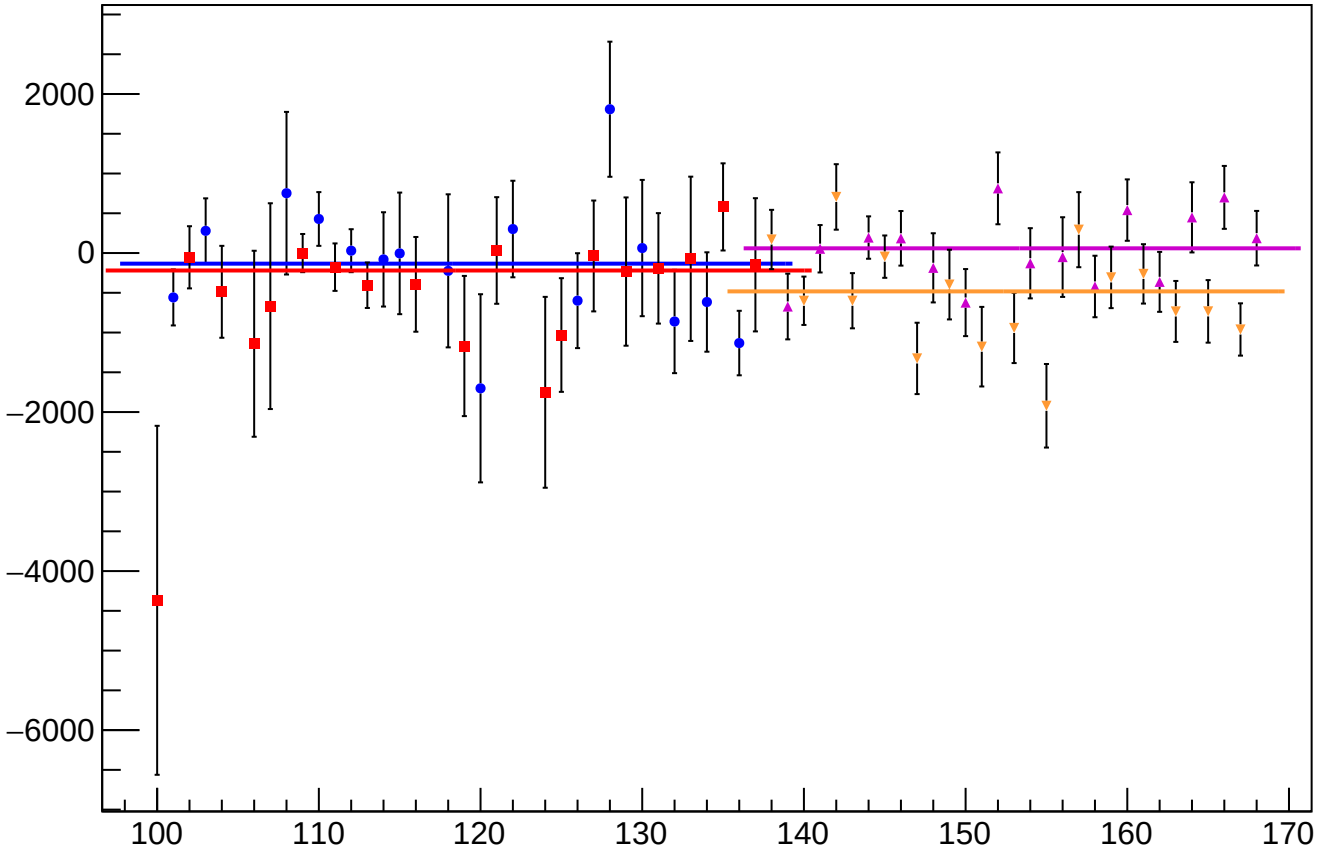
Left In: 64.096+/-0.013 χ^2/NDF:60882.7/14

+ sign 65.213+/-0.010 χ^2/NDF: 672597.4/31

All: 65.154+/-0.007 χ^2/NDF: 1235450.6/65

- sign 65.095+/-0.010 χ^2/NDF: 562789.2/33

asym_sam7_cor_correction_mean vs Slug



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -482.424+/-95.317 χ^2/NDF:34.6/15

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

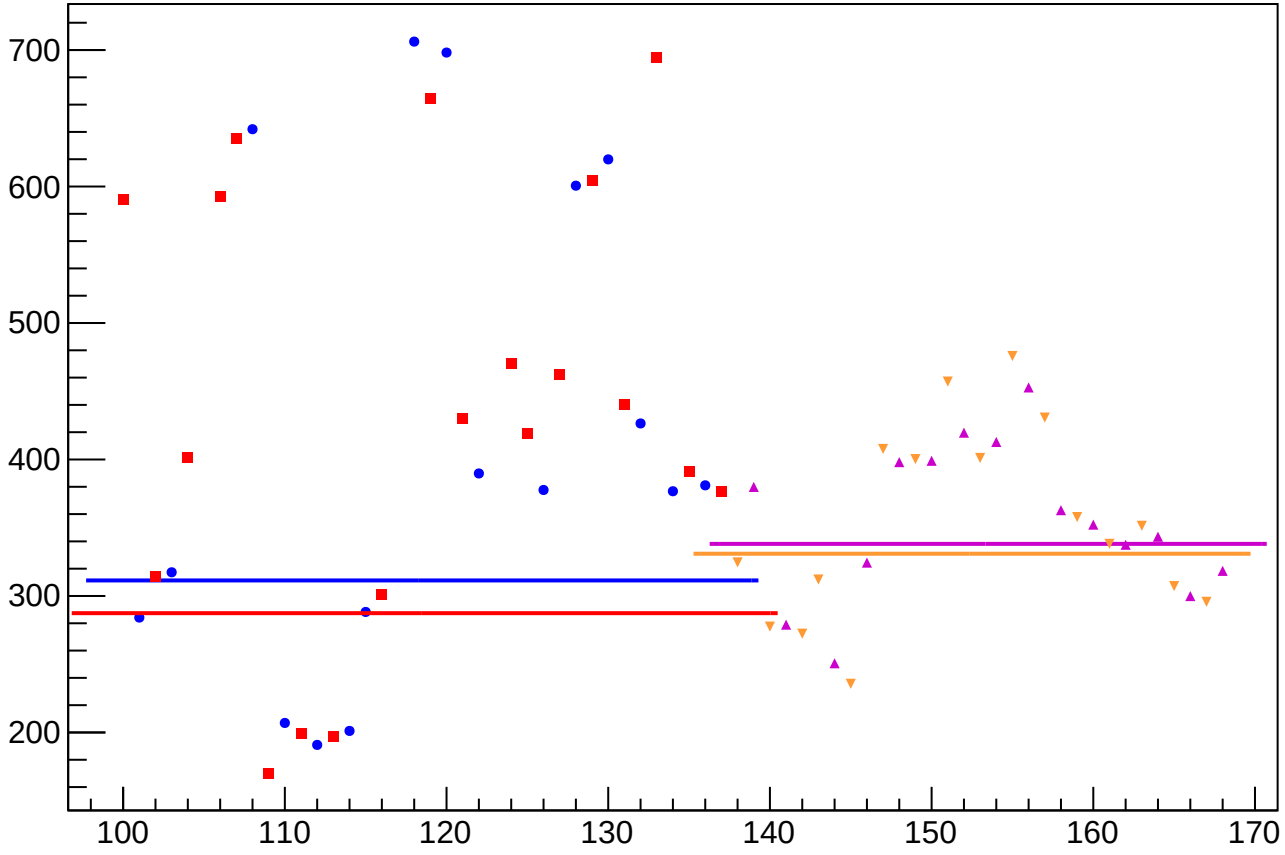
Left In: 59.216+/-97.579 χ^2/NDF:17.4/14

+ sign -355.333+/-75.995 χ^2/NDF: 62.0/31

All: -203.090+/-53.452 χ^2/NDF: 103.1/65

- sign -54.034+/-75.196 χ^2/NDF: 33.2/33

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 330.956+/-0.067 χ^2/NDF:938585.0/15

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

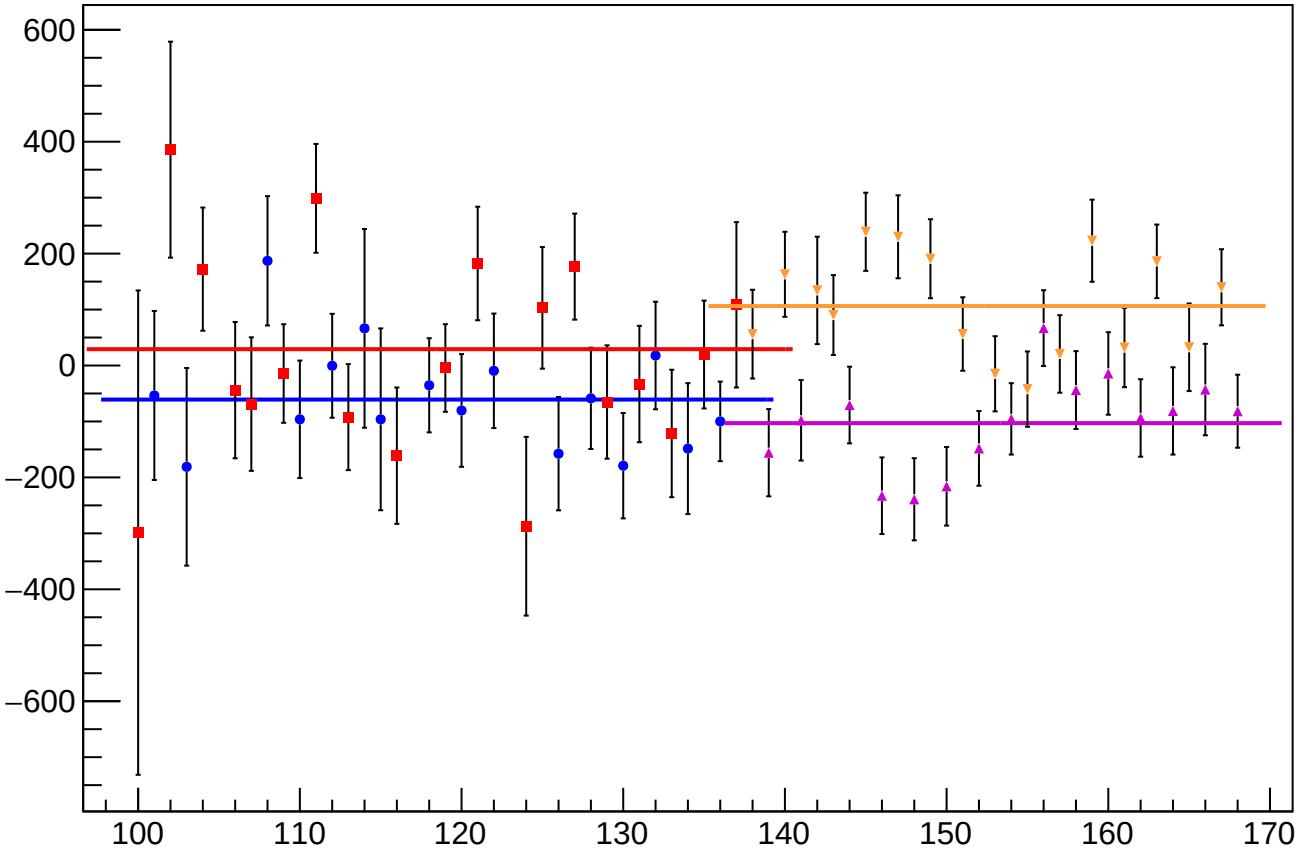
Left In: 338.178+/-0.069 χ^2/NDF:660453.9/14

+ sign 323.827+/-0.054 χ^2/NDF: 3093094.5/31

All: 320.660+/-0.038 χ^2/NDF: 6670535.0/65

- sign 317.559+/-0.053 χ^2/NDF: 3570565.7/33

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 106.280+/-17.952 χ^2/NDF:25.4/15

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

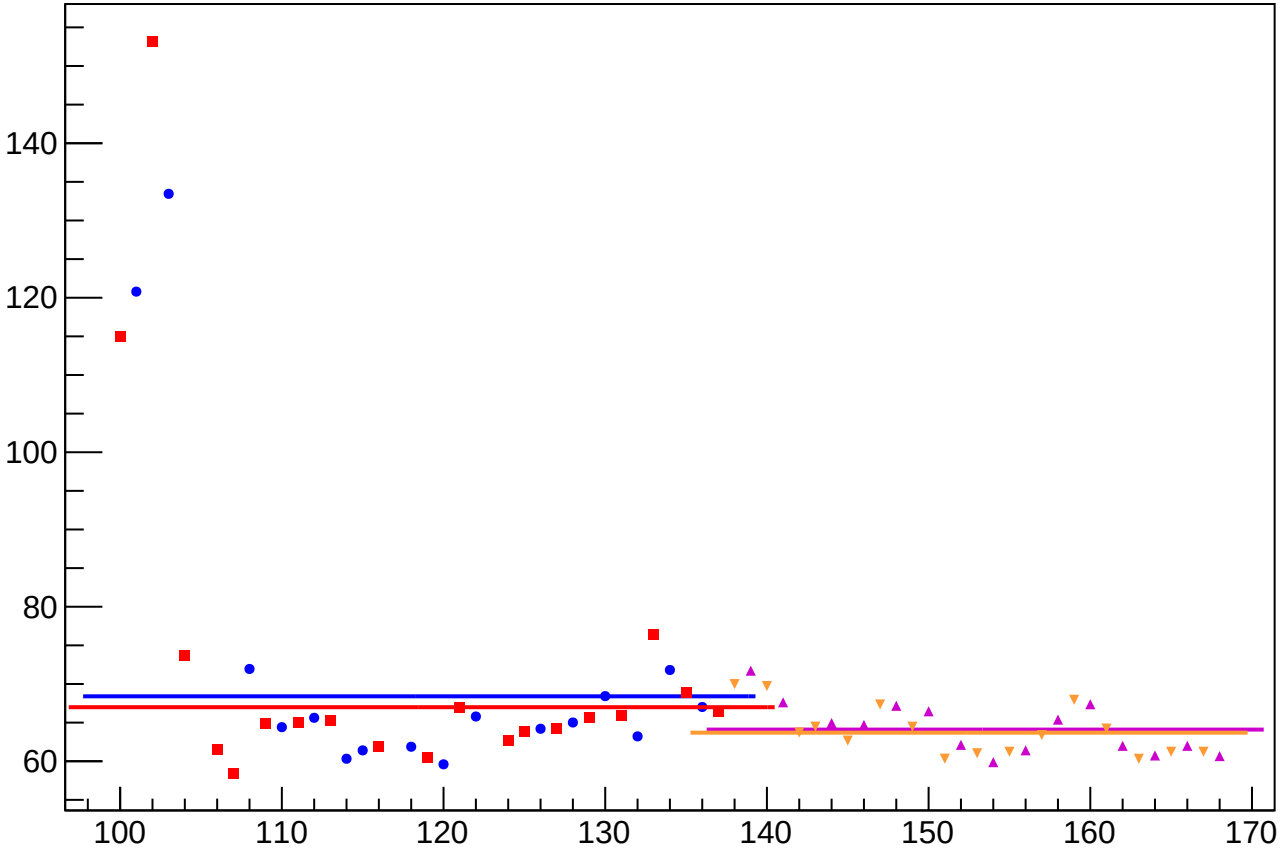
Left In: -102.978+/-18.232 χ^2/NDF:20.0/14

+ sign 52.474+/-14.783 χ^2/NDF: 63.9/31

All: -2.559+/-10.445 χ^2/NDF: 160.9/65

- sign -57.421+/-14.760 χ^2/NDF: 69.4/33

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.699+/-0.013 χ^2/NDF:58817.7/15

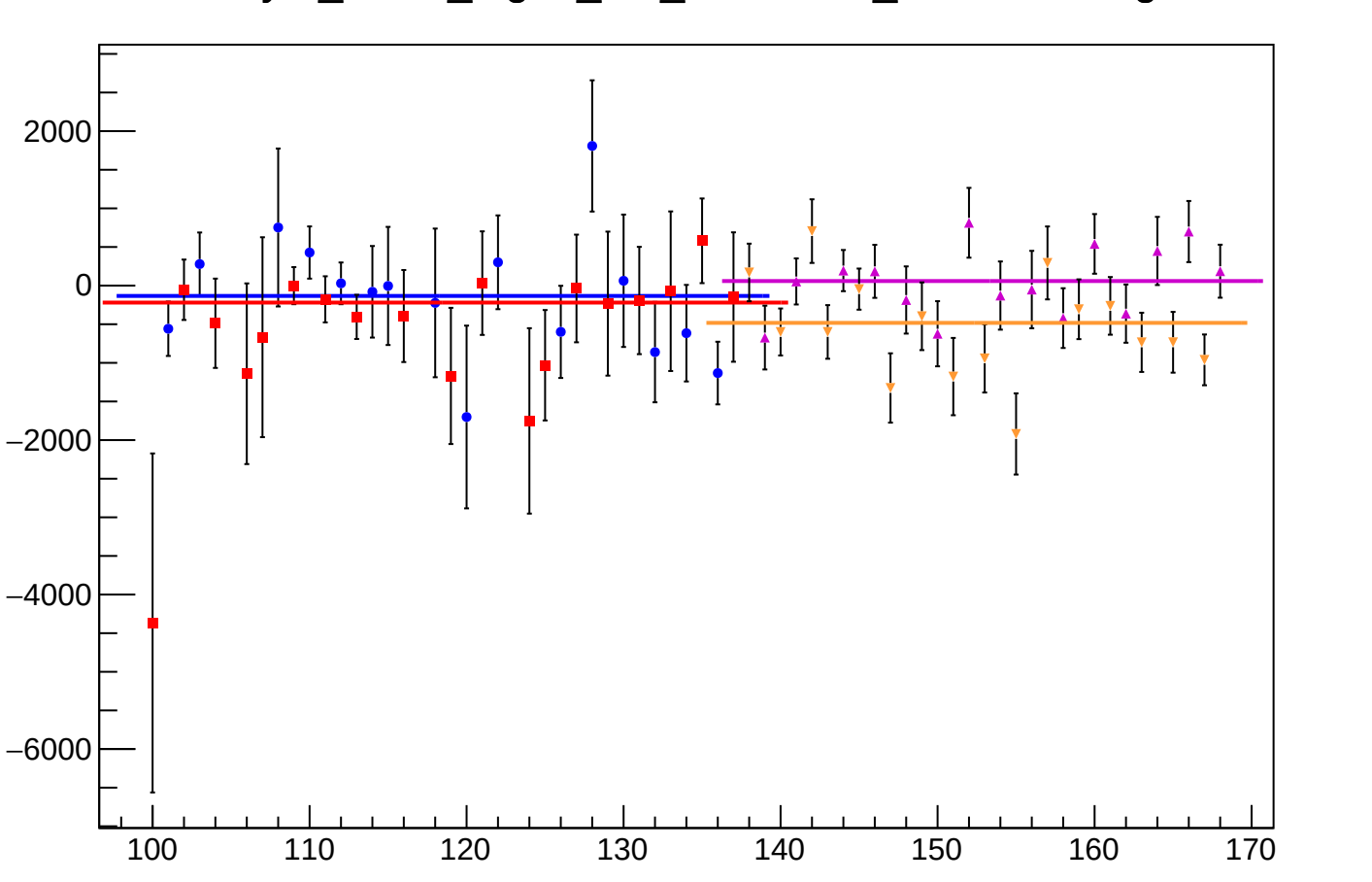
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.096+/-0.013 χ^2/NDF:60882.7/14

+ sign 65.213+/-0.010 χ^2/NDF: 672597.4/31

All: 65.154+/-0.007 χ^2/NDF: 1235450.6/65

- sign 65.095+/-0.010 χ^2/NDF: 562789.2/33



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -482.424+/-95.317 χ^2/NDF:34.6/15

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

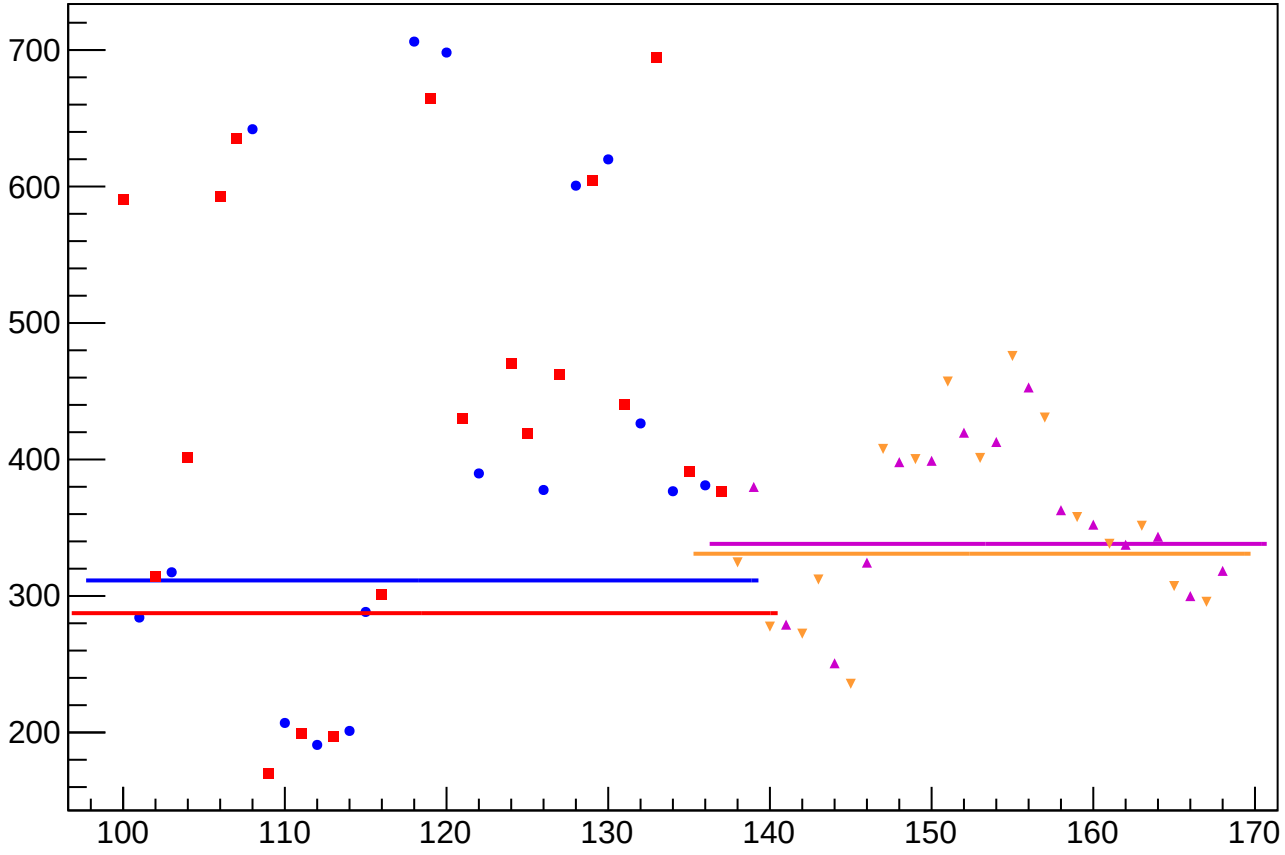
Left In: 59.216+/-97.579 χ^2/NDF:17.4/14

+ sign -355.333+/-75.995 χ^2/NDF: 62.0/31

All: -203.090+/-53.452 χ^2/NDF: 103.1/65

- sign -54.034+/-75.196 χ^2/NDF: 33.2/33

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 330.956+/-0.067 χ^2/NDF:938585.0/15

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

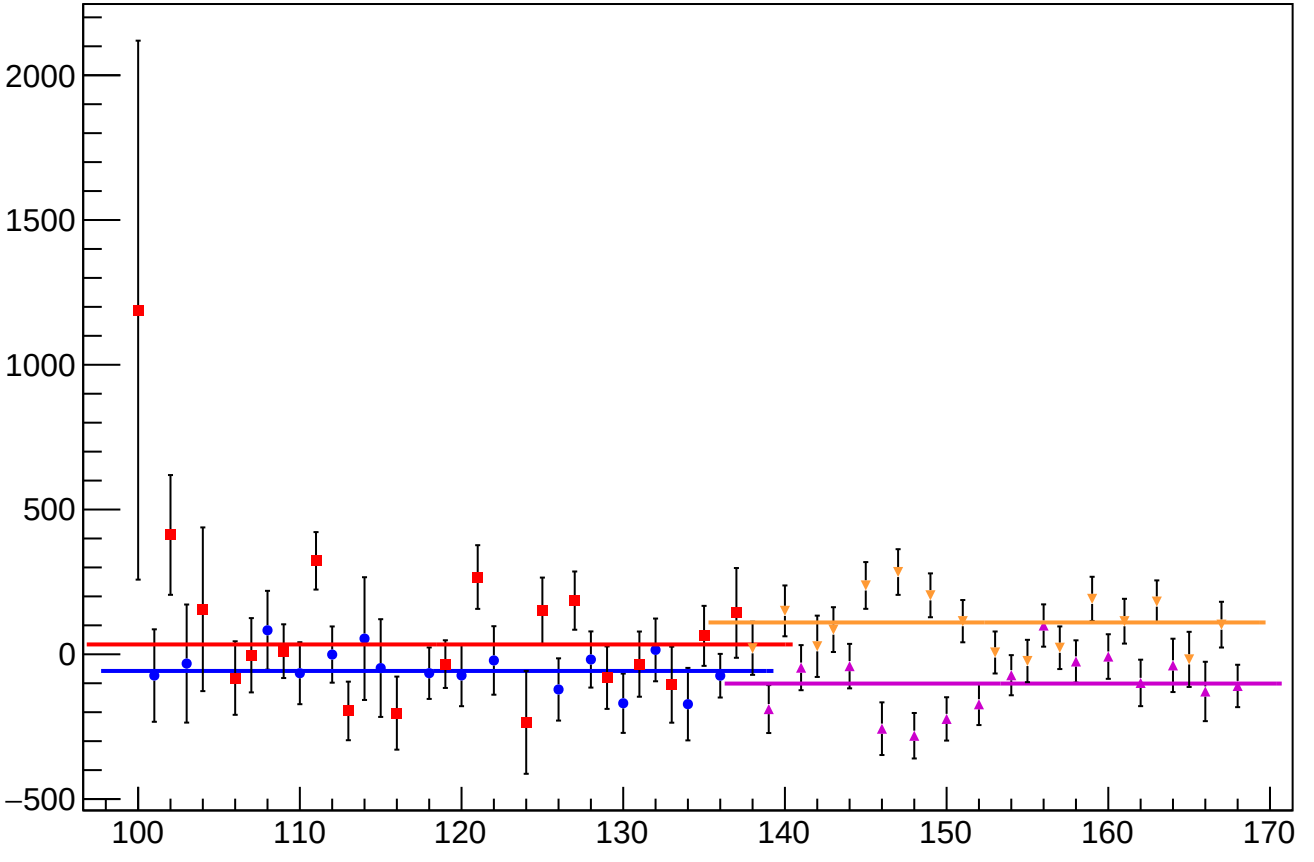
Left In: 338.178+/-0.069 χ^2/NDF:660453.9/14

+ sign 323.827+/-0.054 χ^2/NDF: 3093094.5/31

All: 320.660+/-0.038 χ^2/NDF: 6670535.0/65

- sign 317.559+/-0.053 χ^2/NDF: 3570565.7/33

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 109.966+/-19.850 χ^2/NDF:21.5/15

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

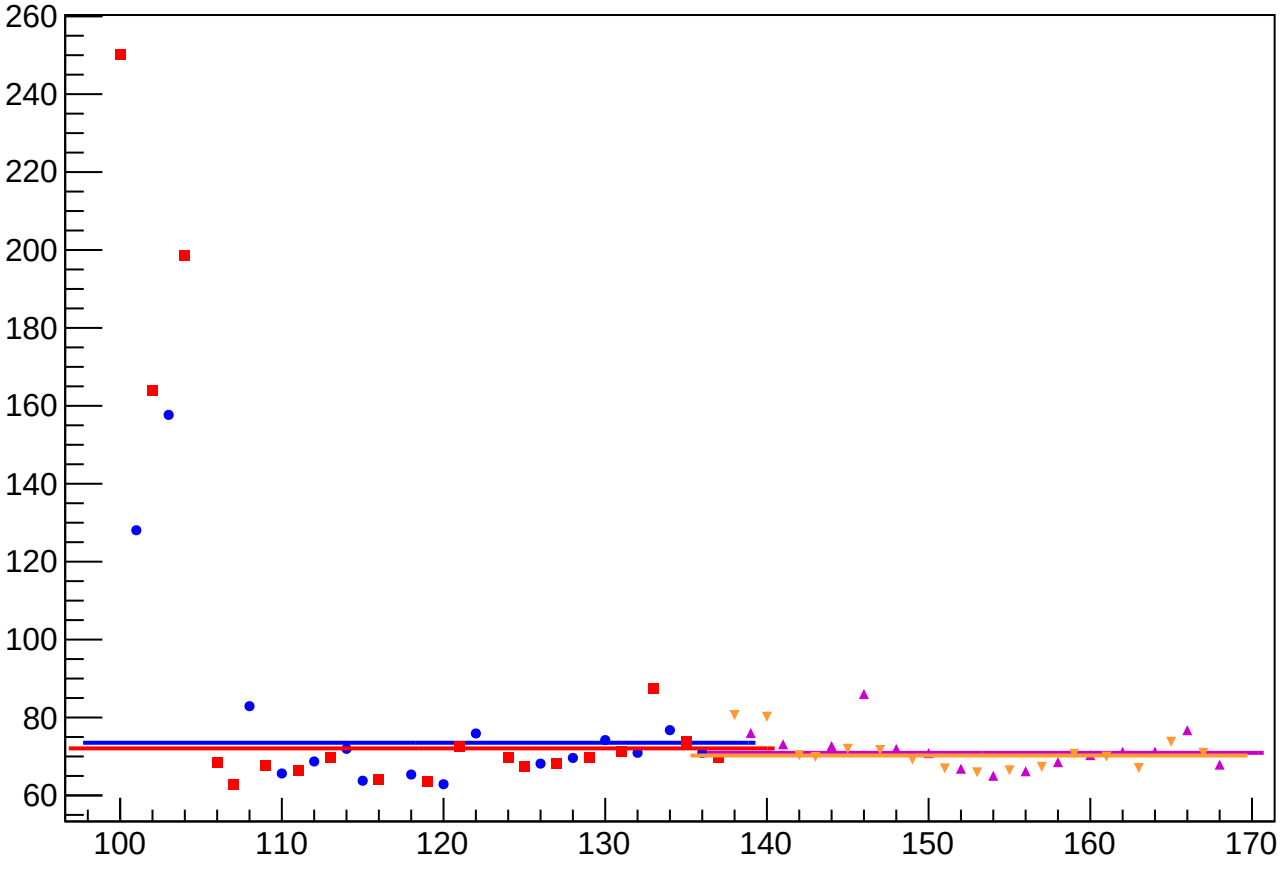
Left In: -101.080+/-20.235 χ^2/NDF:24.9/14

+ sign 54.170+/-16.211 χ^2/NDF: 50.1/31

All: 0.609+/-11.486 χ^2/NDF: 149.8/65

- sign -53.392+/-16.277 χ^2/NDF: 77.8/33

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.249+/-0.014 χ^2/NDF:79791.8/15

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

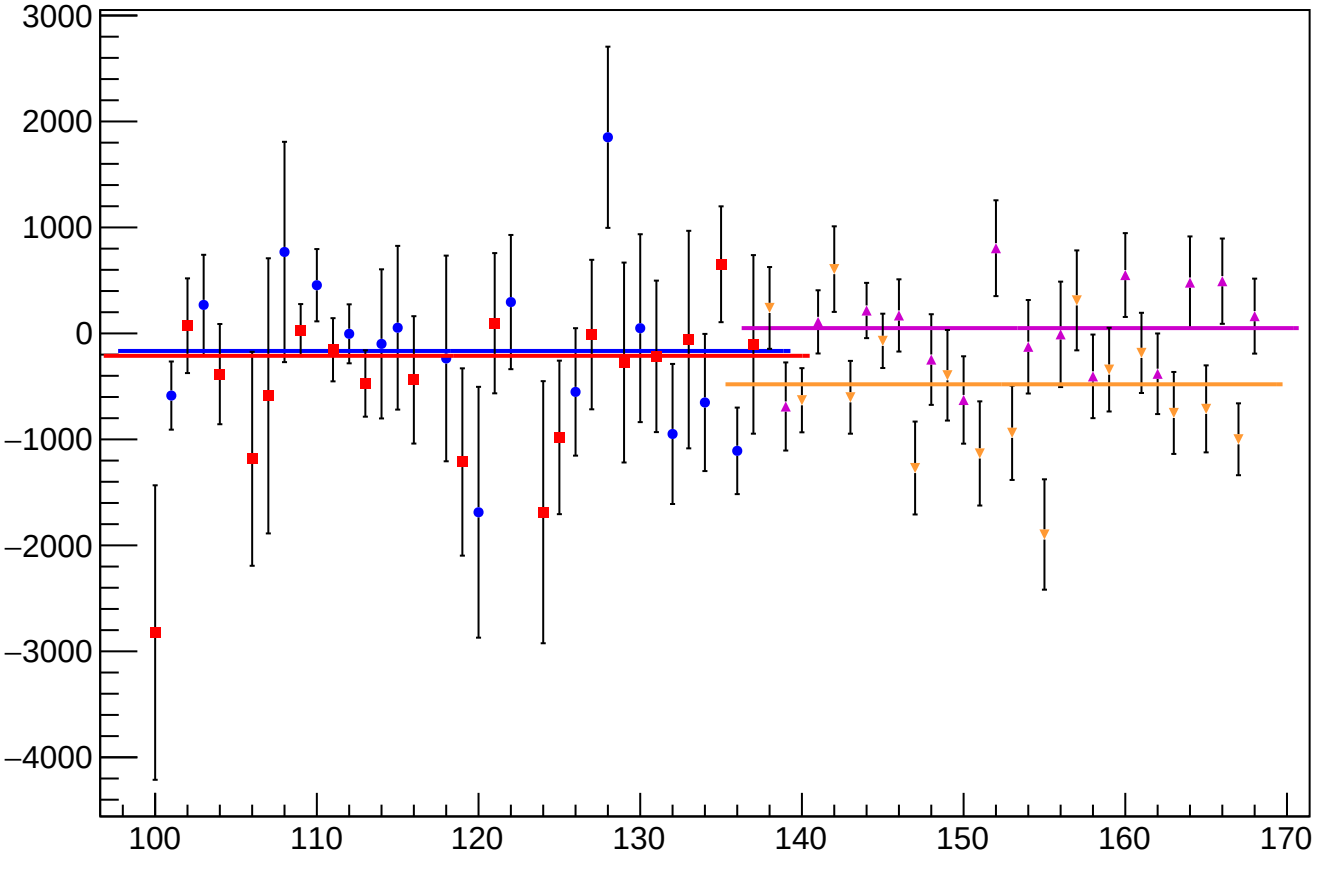
Left In: 70.930+/-0.014 χ^2/NDF:106923.3/14

+ sign 71.338+/-0.011 χ^2/NDF: 754715.0/31

All: 71.336+/-0.008 χ^2/NDF: 1822390.4/65

- sign 71.334+/-0.012 χ^2/NDF: 1067675.3/33

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -480.103+/-95.256 χ^2/NDF:33.9/15

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

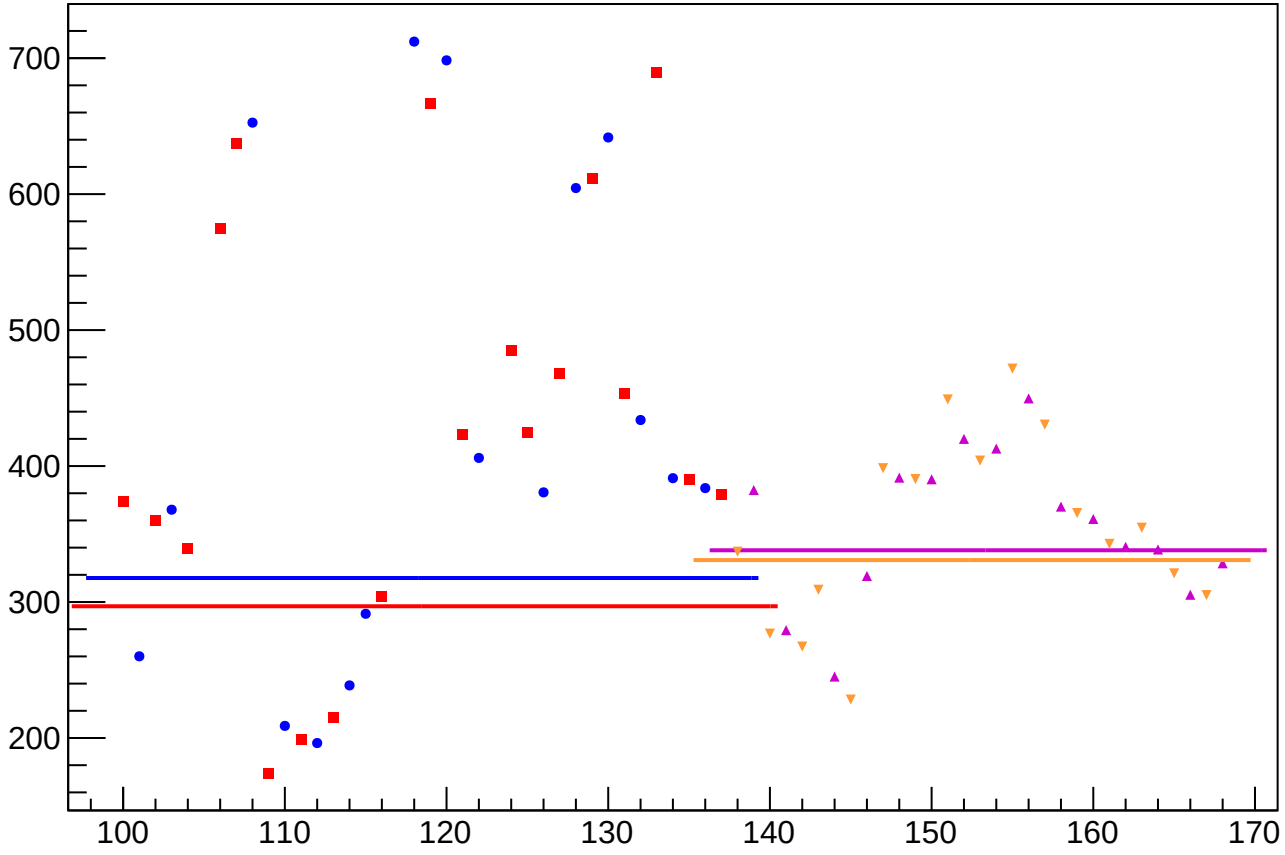
Left In: 49.982+/-97.621 χ^2/NDF:16.4/14

+ sign -368.463+/-76.510 χ^2/NDF: 60.4/31

All: -209.659+/-53.833 χ^2/NDF: 101.7/65

- sign -53.963+/-75.758 χ^2/NDF: 32.8/33

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 330.849+/-0.067 χ^2/NDF:971391.5/15

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

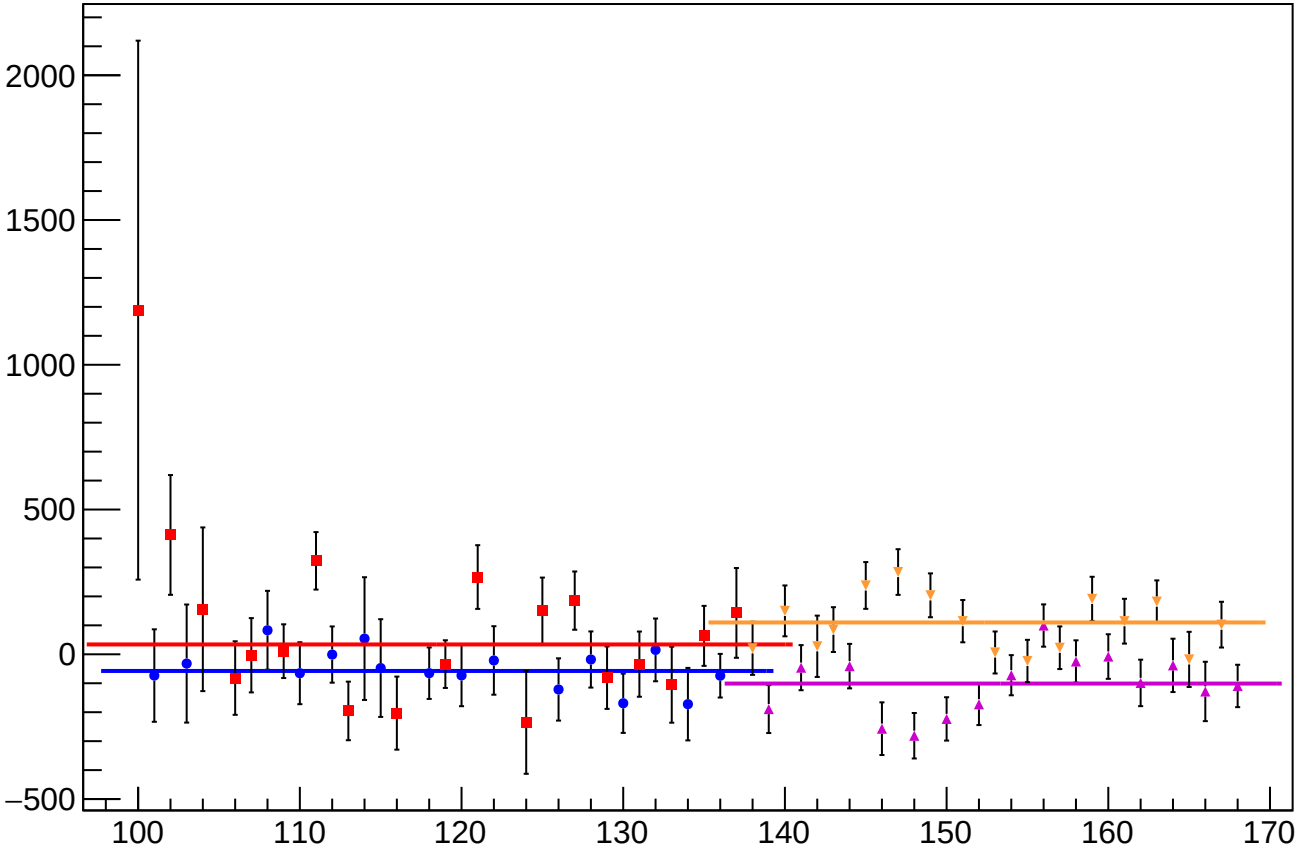
Left In: 338.060+/-0.069 χ^2/NDF:682252.0/14

+ sign 326.170+/-0.054 χ^2/NDF: 3121181.6/31

All: 323.905+/-0.038 χ^2/NDF: 6489450.1/65

- sign 321.684+/-0.054 χ^2/NDF: 3364796.6/33

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 109.966+/-19.850 χ^2/NDF:21.5/15

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

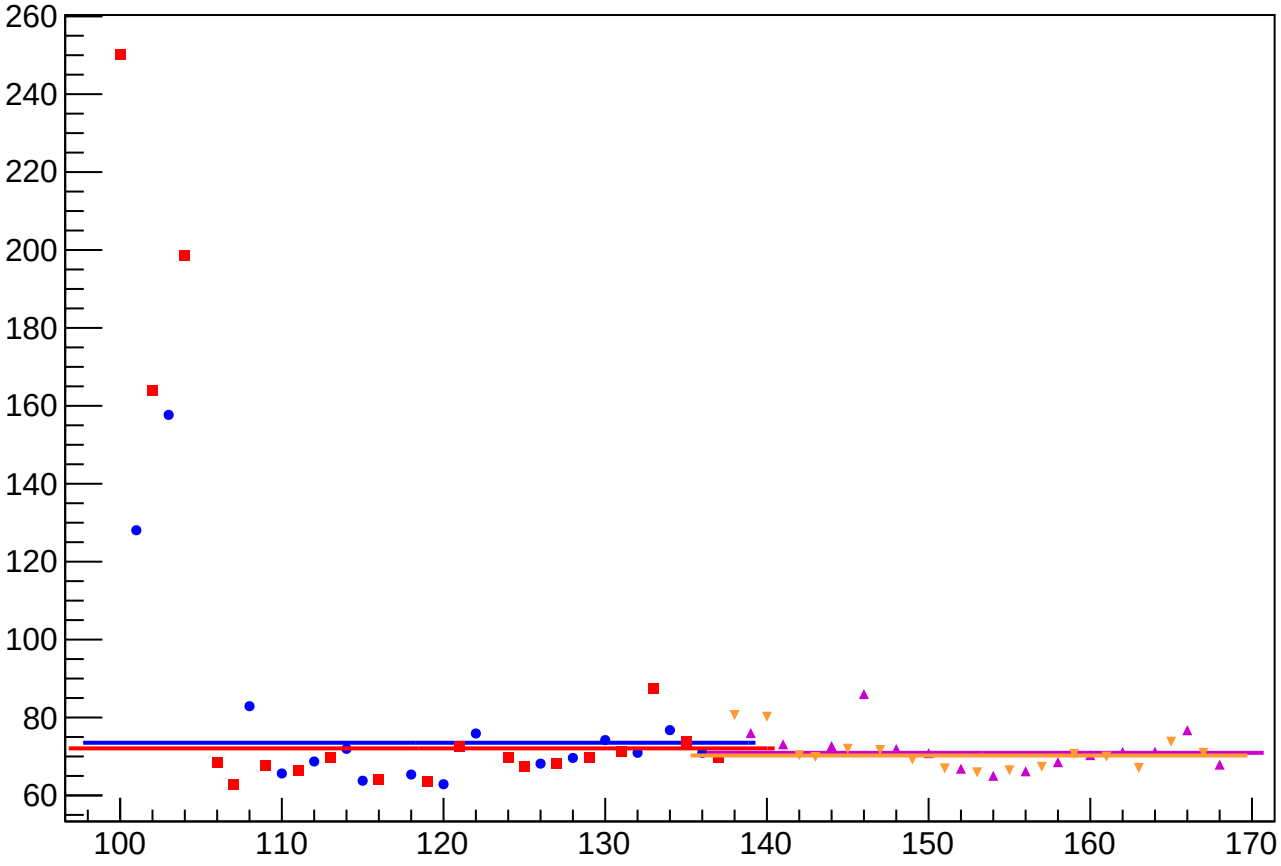
Left In: -101.080+/-20.235 χ^2/NDF:24.9/14

+ sign 54.171+/-16.211 χ^2/NDF: 50.1/31

All: 0.610+/-11.486 χ^2/NDF: 149.8/65

- sign -53.391+/-16.277 χ^2/NDF: 77.8/33

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.249+/-0.014 χ^2/NDF:79791.1/15

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

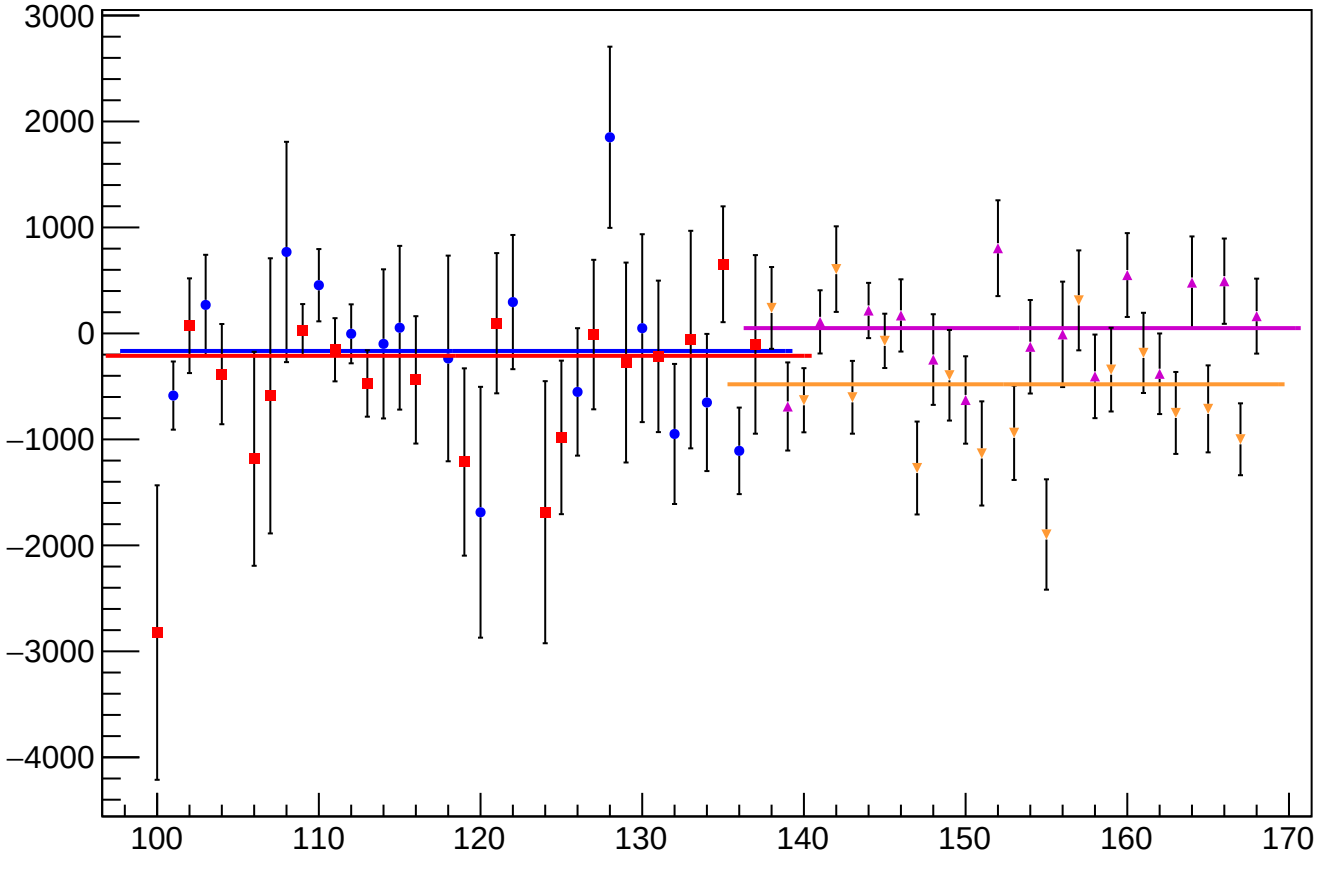
Left In: 70.930+/-0.014 χ^2/NDF:106923.1/14

+ sign 71.338+/-0.011 χ^2/NDF: 754714.5/31

All: 71.336+/-0.008 χ^2/NDF: 1822390.6/65

- sign 71.334+/-0.012 χ^2/NDF: 1067676.0/33

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -480.103+/-95.256 χ^2/NDF:33.9/15

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

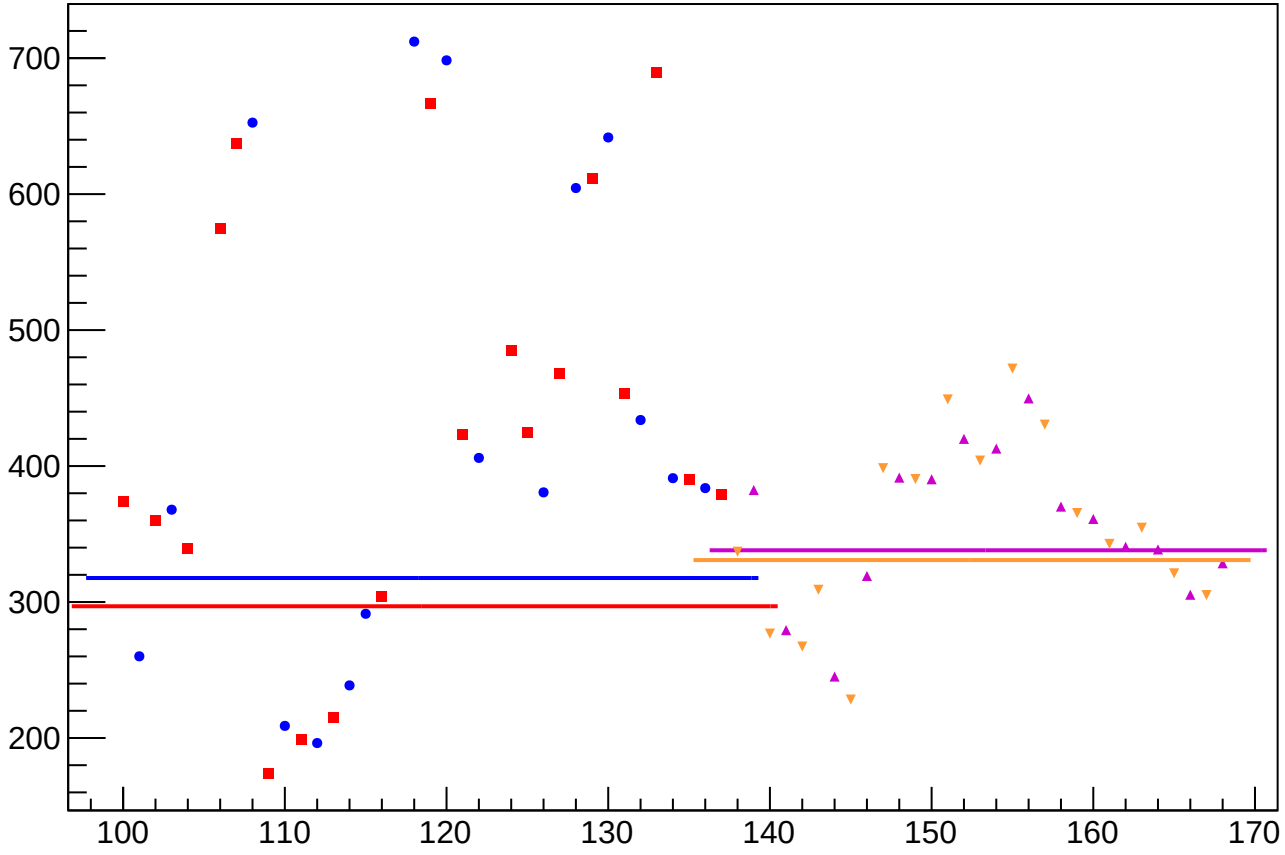
Left In: 49.982+/-97.621 χ^2/NDF:16.4/14

+ sign -368.461+/-76.510 χ^2/NDF: 60.4/31

All: -209.659+/-53.833 χ^2/NDF: 101.7/65

- sign -53.963+/-75.758 χ^2/NDF: 32.8/33

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 330.848+/-0.067 χ^2/NDF:971401.4/15

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

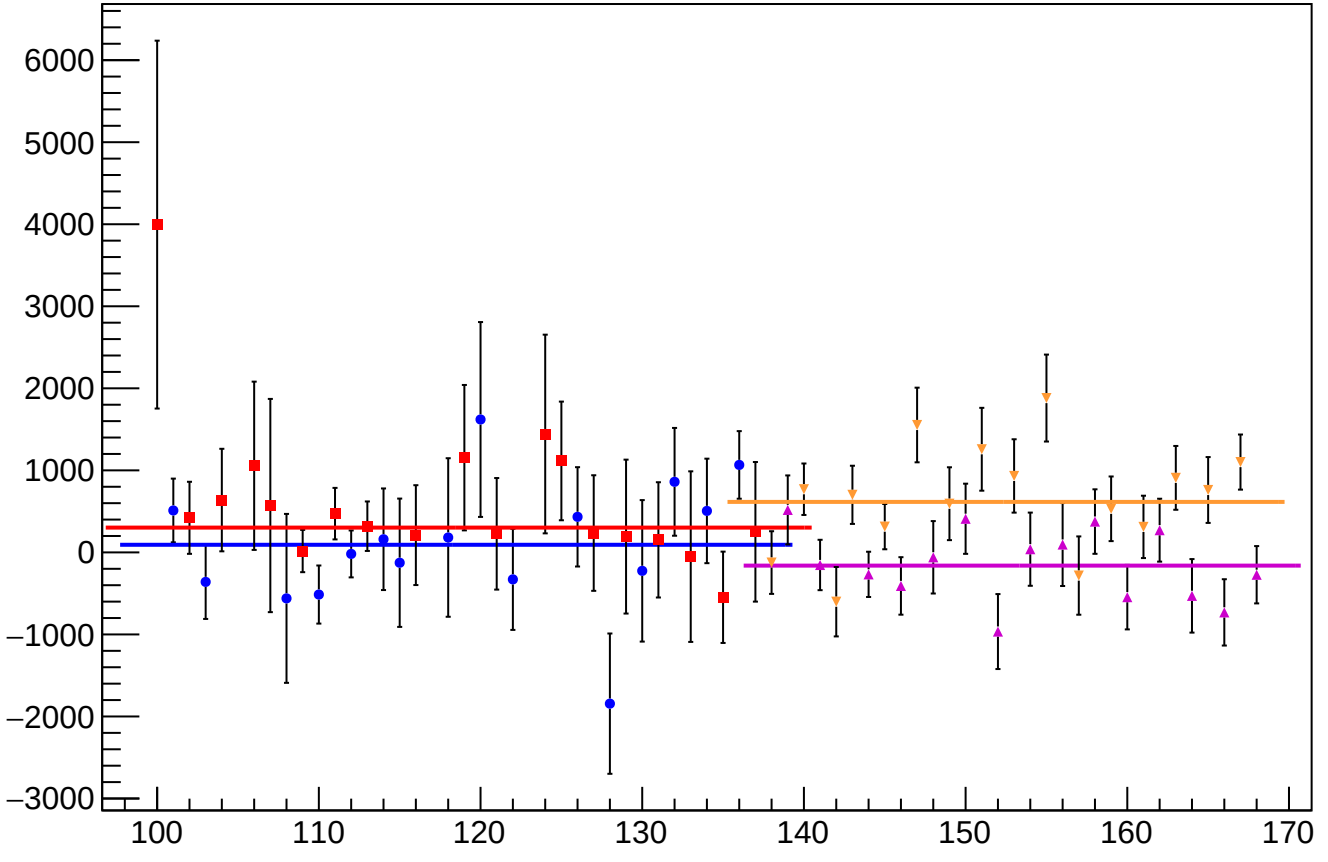
Left In: 338.060+/-0.069 χ^2/NDF:682257.0/14

+ sign 326.169+/-0.054 χ^2/NDF: 3121227.6/31

All: 323.904+/-0.038 χ^2/NDF: 6489522.4/65

- sign 321.683+/-0.054 χ^2/NDF: 3364823.4/33

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 615.489+/-97.344 χ^2/NDF:32.6/15

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

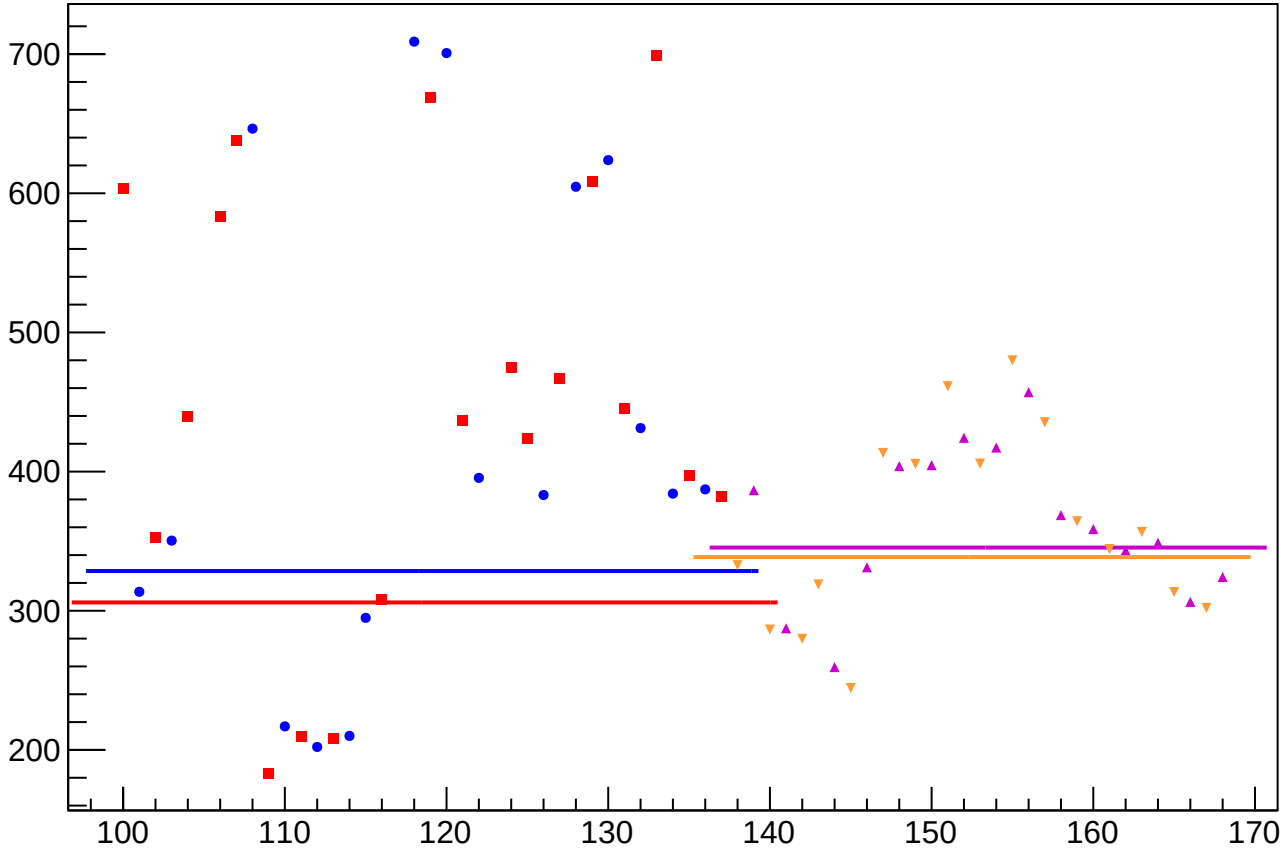
Left In: -161.141+/-99.538 χ^2/NDF:15.5/14

+ sign 431.234+/-78.329 χ^2/NDF: 63.6/31

All: 224.005+/-55.128 χ^2/NDF: 112.3/65

- sign 20.604+/-77.602 χ^2/NDF: 34.8/33

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 338.604+/-0.069 χ^2/NDF:865346.9/15

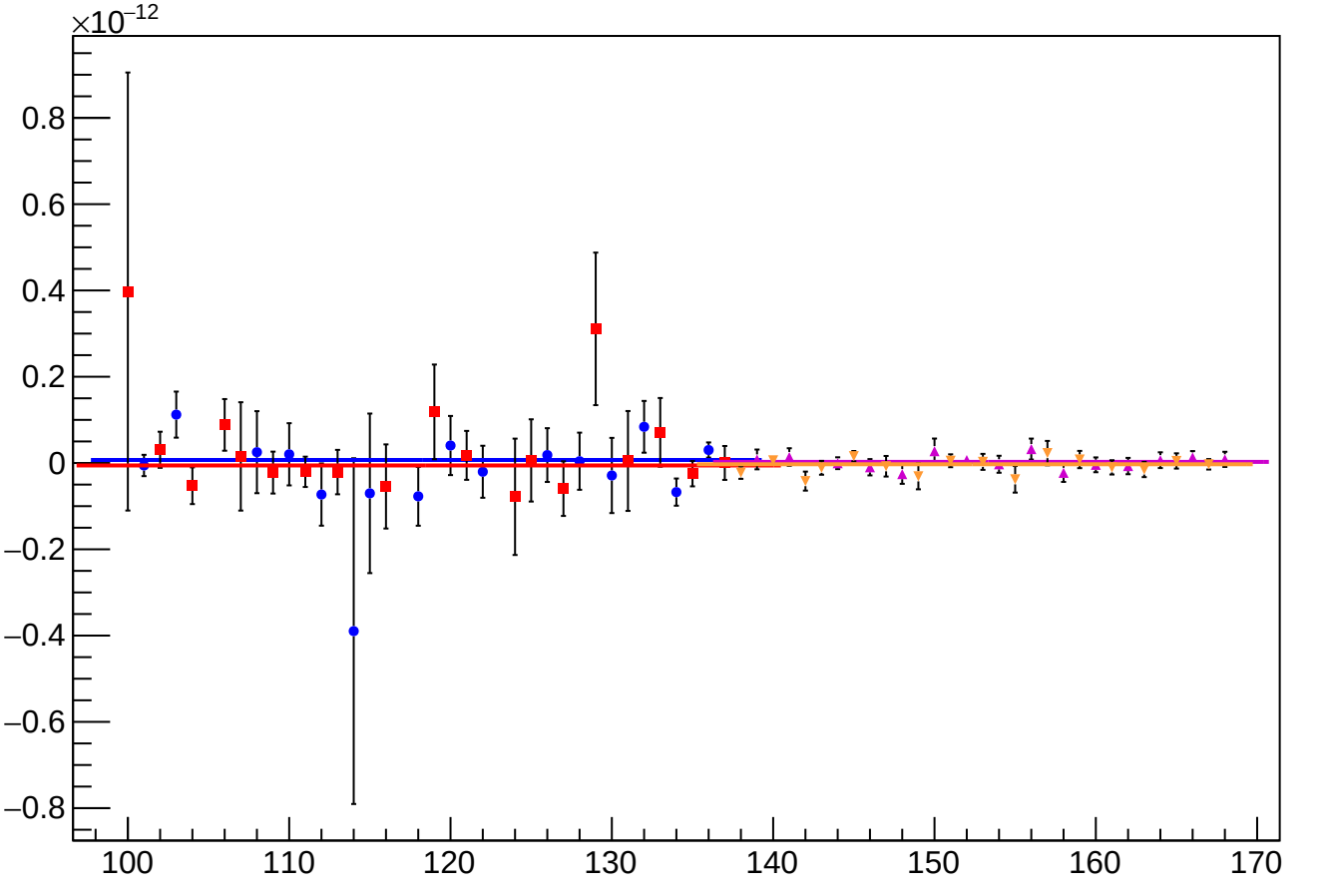
Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 345.420+/-0.070 χ^2/NDF:605964.3/14

+ sign 335.066+/-0.055 χ^2/NDF: 2831716.9/31

All: 332.487+/-0.039 χ^2/NDF: 6092535.9/65

- sign 329.956+/-0.055 χ^2/NDF: 3256522.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/15

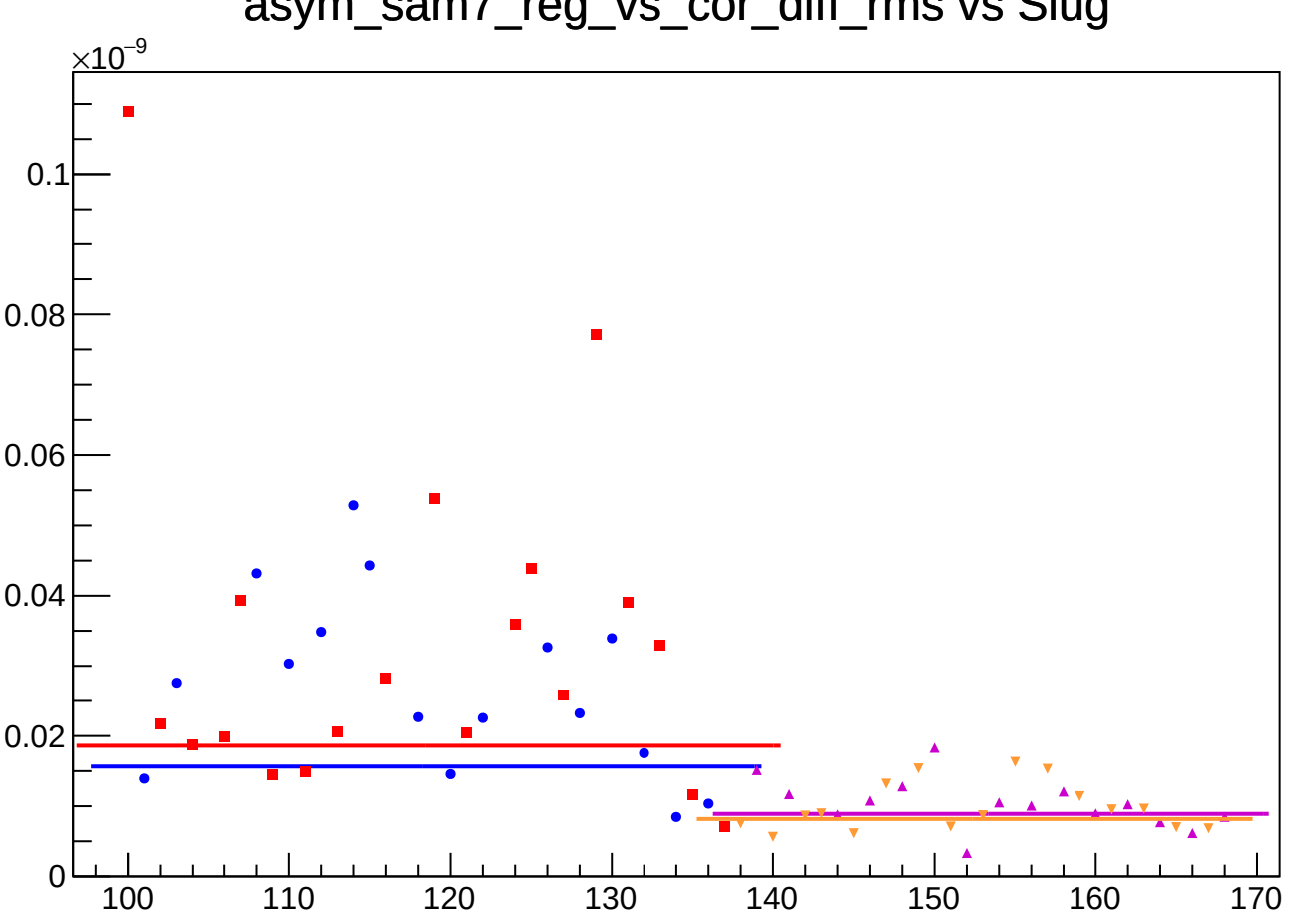
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/14

+ sign -0.000+/-0.000 χ^2/NDF: 31.3/31

All: -0.000+/-0.000 χ^2/NDF: 52.2/65

- sign 0.000+/-0.000 χ^2/NDF: 20.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:779403.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

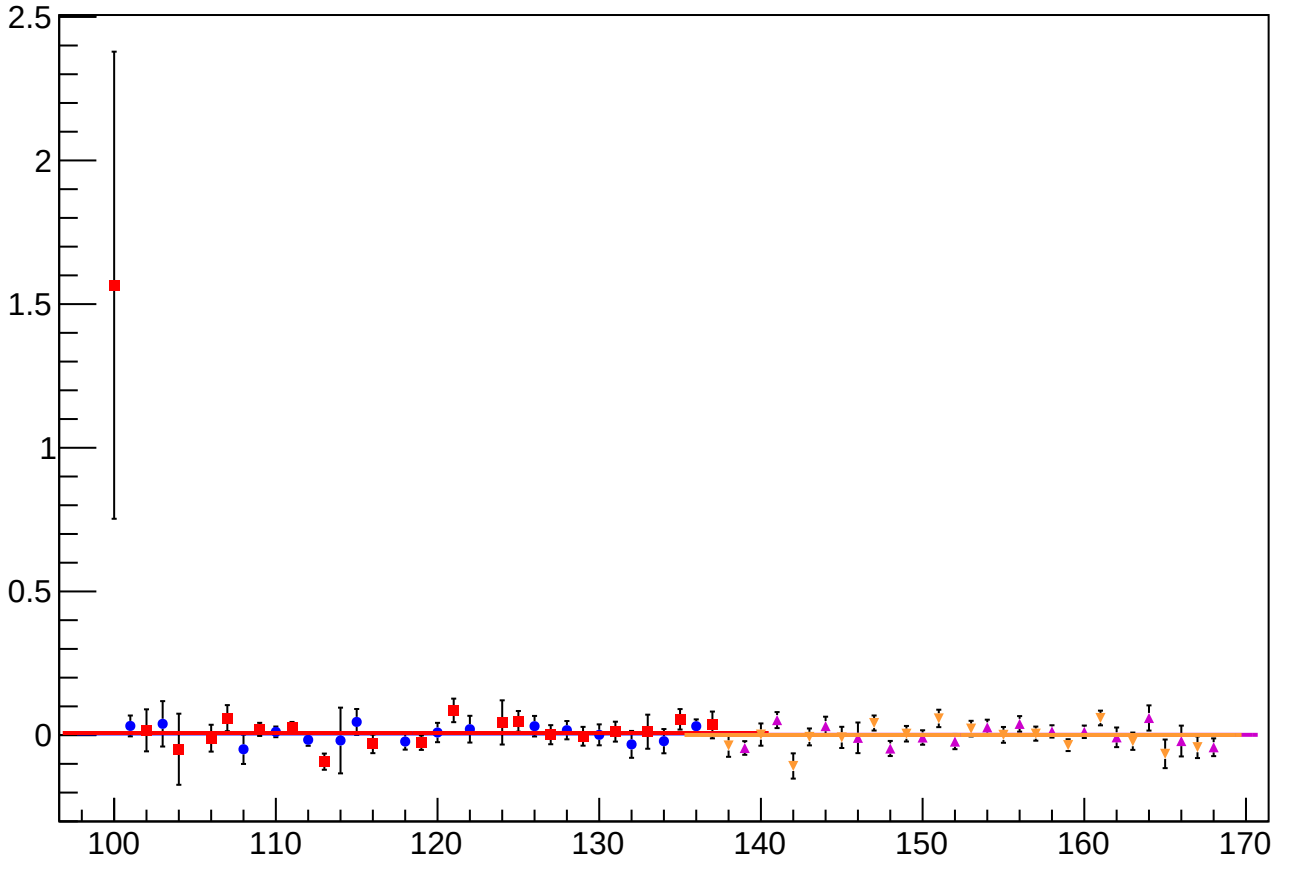
Left In: 0.000+/-0.000 χ^2/NDF:1092539.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 2758823.5/31

All: 0.000+/-0.000 χ^2/NDF: 6140636.4/65

- sign 0.000+/-0.000 χ^2/NDF: 3332509.0/33

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:25.6/15

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

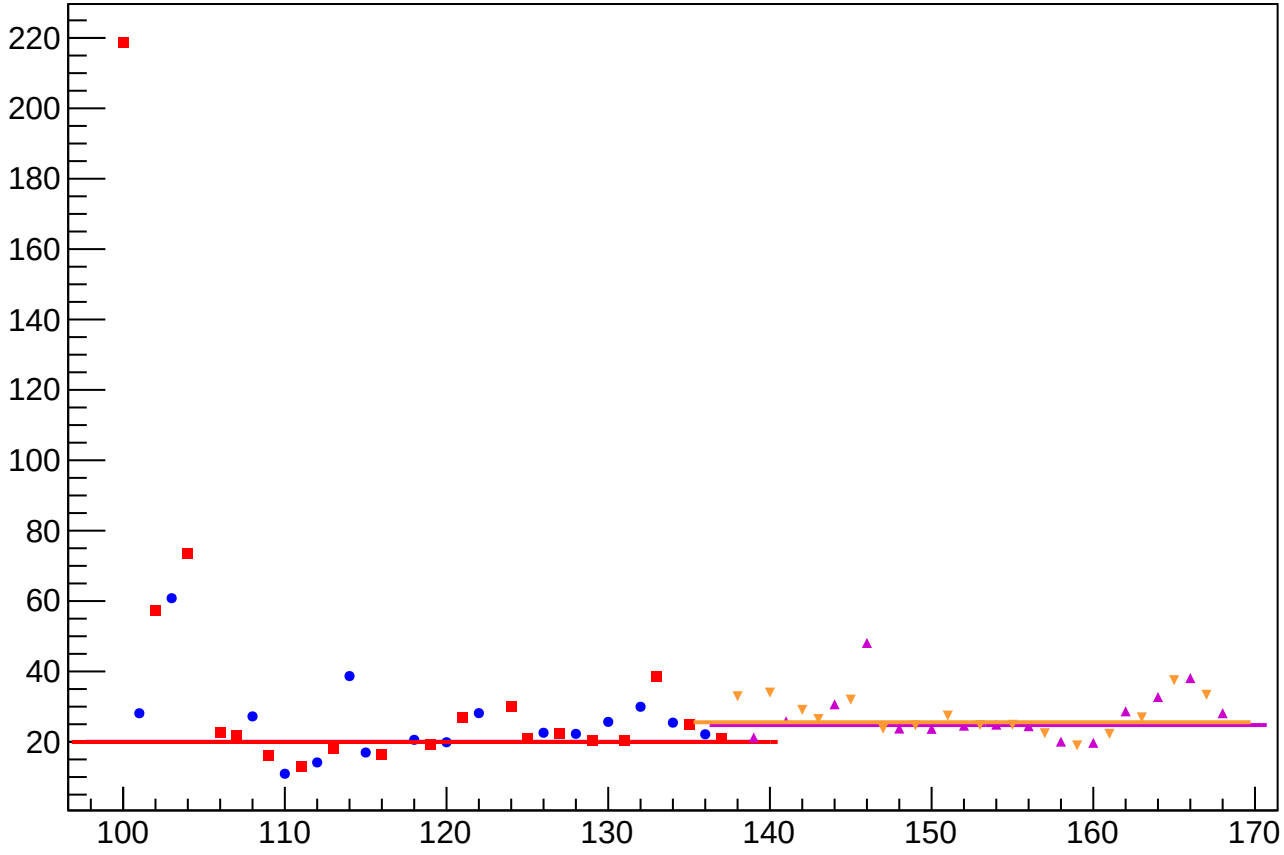
Left In: 0.001+/-0.007 χ^2/NDF:19.6/14

+ sign 0.003+/-0.006 χ^2/NDF: 33.7/31

All: 0.003+/-0.004 χ^2/NDF: 83.5/65

- sign 0.004+/-0.005 χ^2/NDF: 49.8/33

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.566+/-0.005 χ^2/NDF:737214.9/15

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

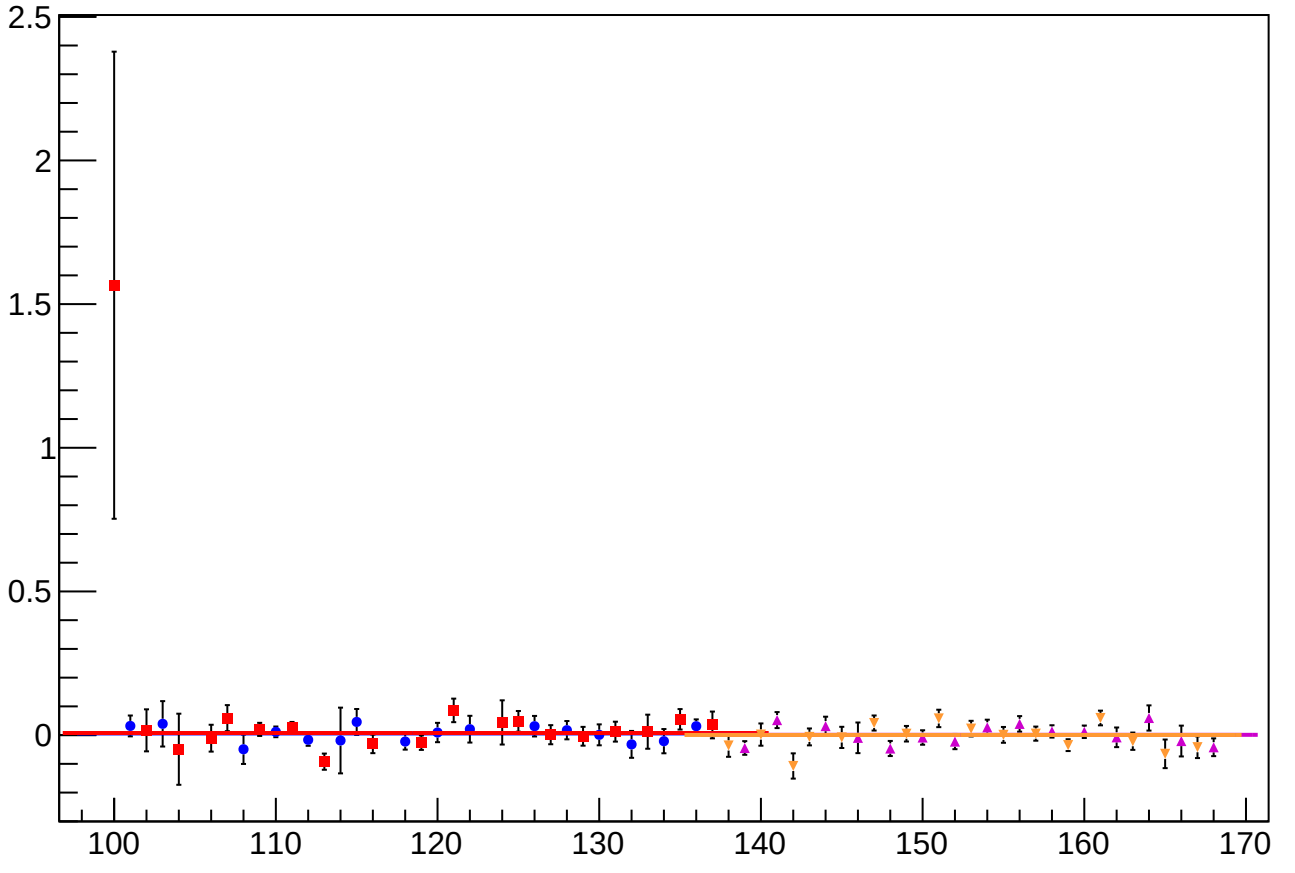
Left In: 24.767+/-0.005 χ^2/NDF:945561.2/14

+ sign 23.039+/-0.004 χ^2/NDF: 2885651.0/31

All: 22.818+/-0.003 χ^2/NDF: 5941600.6/65

- sign 22.603+/-0.004 χ^2/NDF: 3049585.6/33

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:25.6/15

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

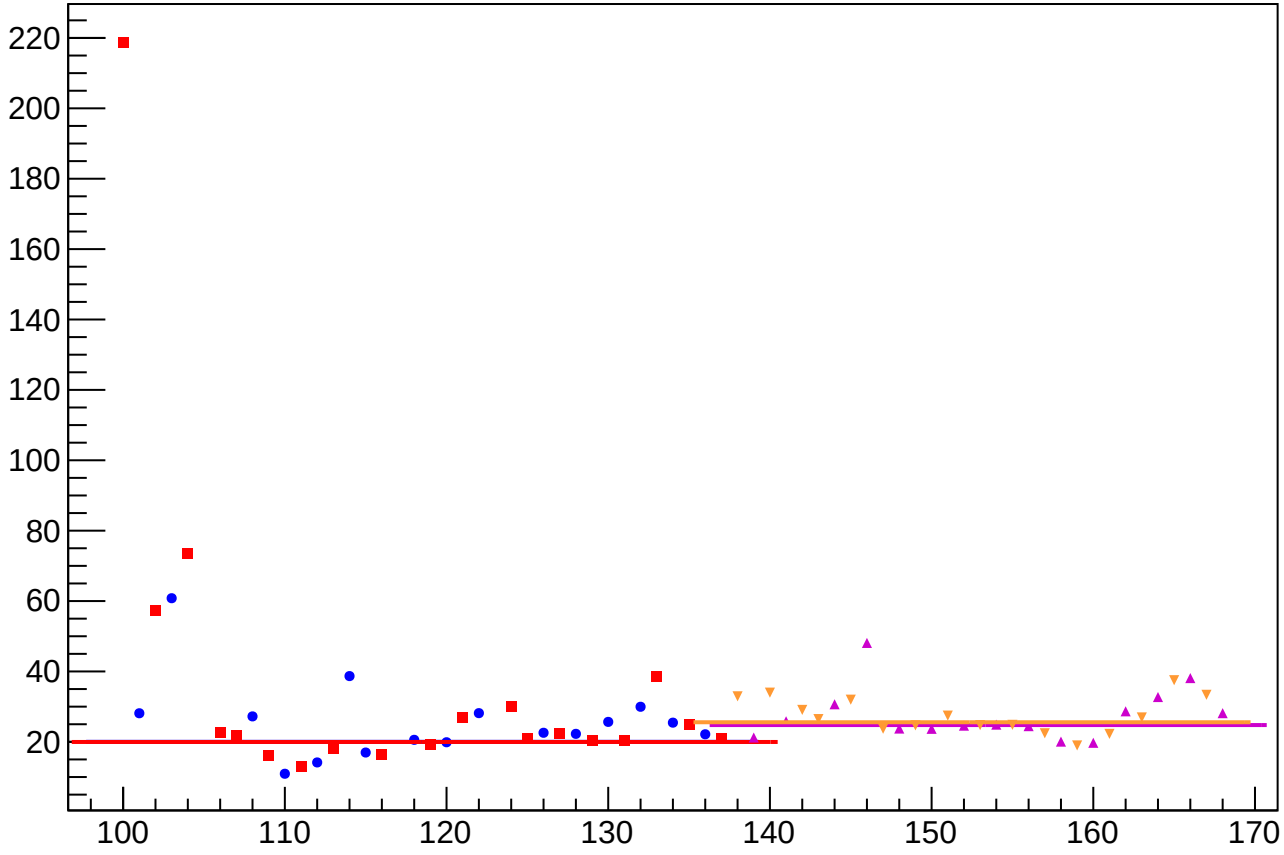
Left In: 0.001+/-0.007 χ^2/NDF:19.6/14

+ sign 0.003+/-0.006 χ^2/NDF: 33.7/31

All: 0.003+/-0.004 χ^2/NDF: 83.5/65

- sign 0.004+/-0.005 χ^2/NDF: 49.8/33

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.566+/-0.005 χ^2/NDF:737214.9/15

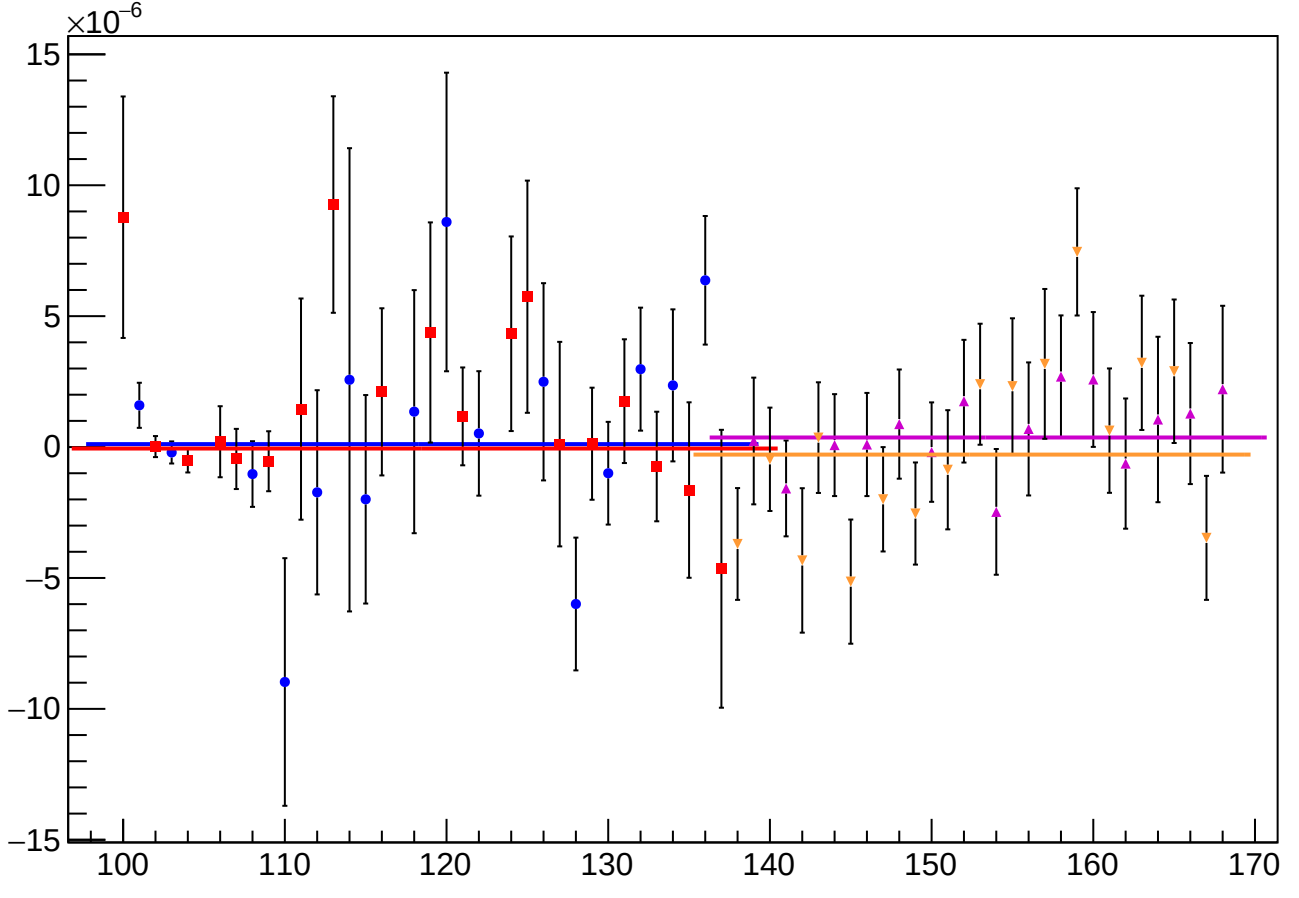
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.767+/-0.005 χ^2/NDF:945561.2/14

+ sign 23.039+/-0.004 χ^2/NDF: 2885651.0/31

All: 22.818+/-0.003 χ^2/NDF: 5941600.6/65

- sign 22.603+/-0.004 χ^2/NDF: 3049585.6/33



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

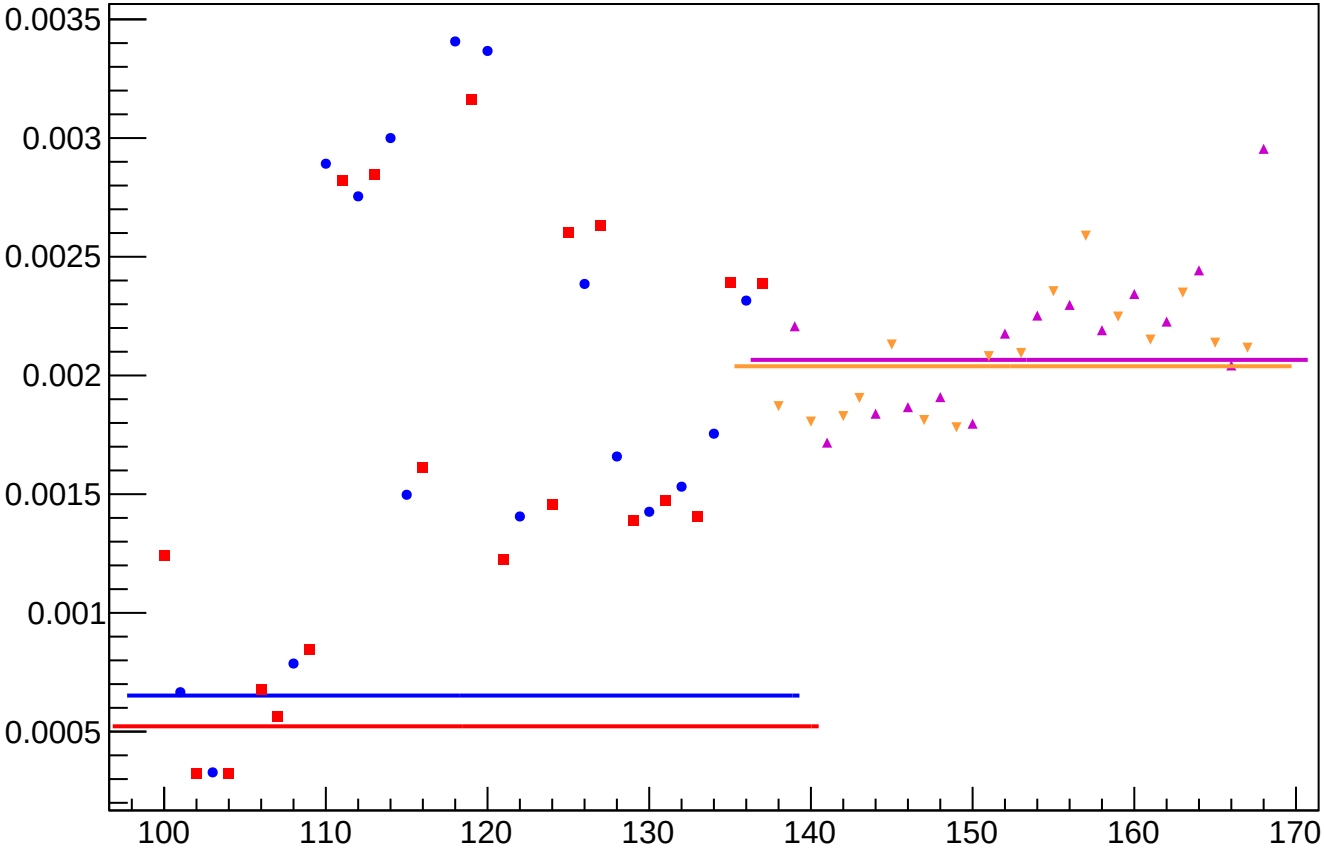
Left In: 0.000+/-0.000 χ^2/NDF:5.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 56.7/31

All: 0.000+/-0.000 χ^2/NDF: 79.7/65

- sign 0.000+/-0.000 χ^2/NDF: 23.0/33

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:282284.1/15

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

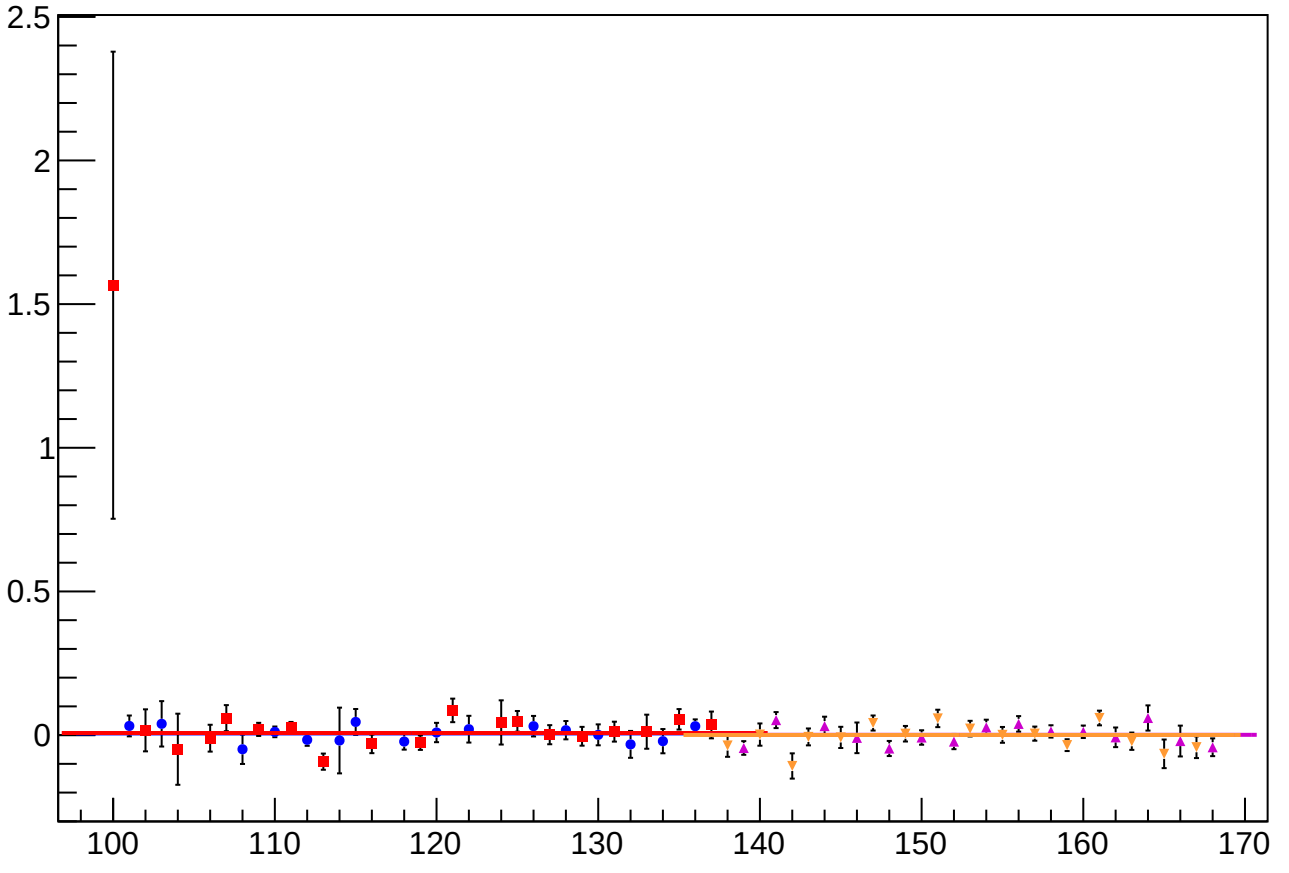
Left In: 0.002+/-0.000 χ^2/NDF:433133.5/14

+ sign 0.001+/-0.000 χ^2/NDF: 15262683.1/31

All: 0.001+/-0.000 χ^2/NDF: 34450154.3/65

- sign 0.001+/-0.000 χ^2/NDF: 18459111.7/33

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:25.6/15

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

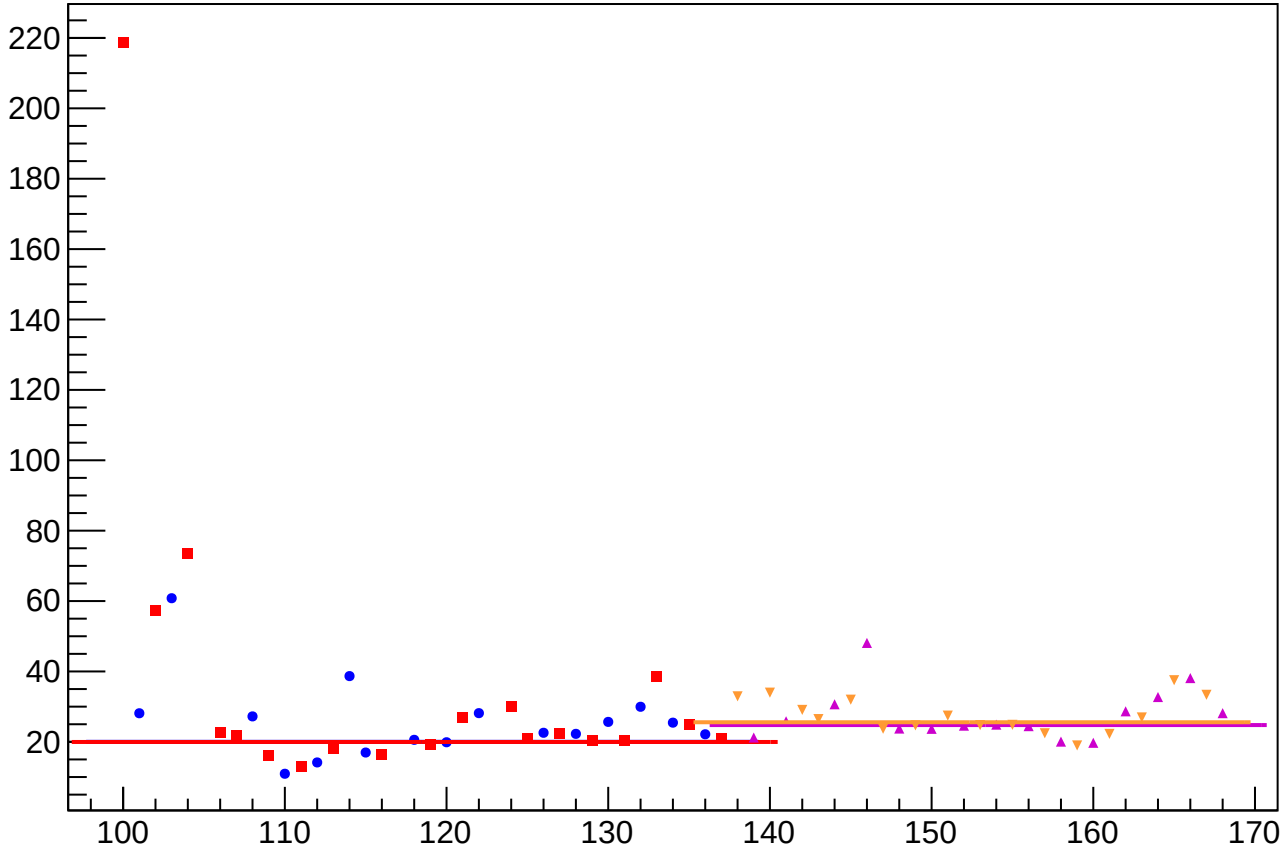
Left In: 0.001+/-0.007 χ^2/NDF:19.6/14

+ sign 0.003+/-0.006 χ^2/NDF: 33.7/31

All: 0.003+/-0.004 χ^2/NDF: 83.5/65

- sign 0.004+/-0.005 χ^2/NDF: 49.8/33

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.565+/-0.005 χ^2/NDF:737259.0/15

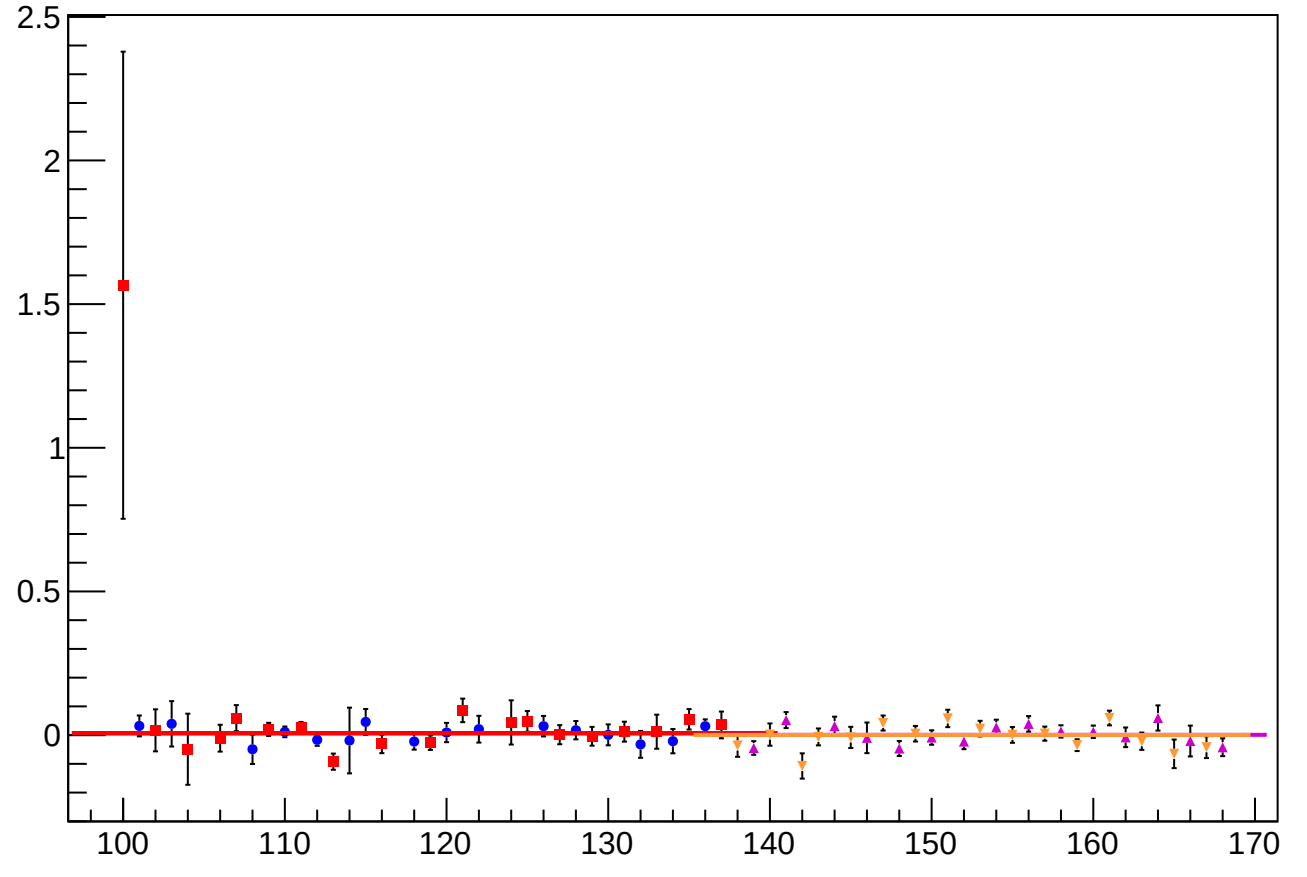
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.767+/-0.005 χ^2/NDF:945612.8/14

+ sign 23.040+/-0.004 χ^2/NDF: 2885418.6/31

All: 22.819+/-0.003 χ^2/NDF: 5941329.6/65

- sign 22.603+/-0.004 χ^2/NDF: 3049541.3/33



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:25.6/15

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

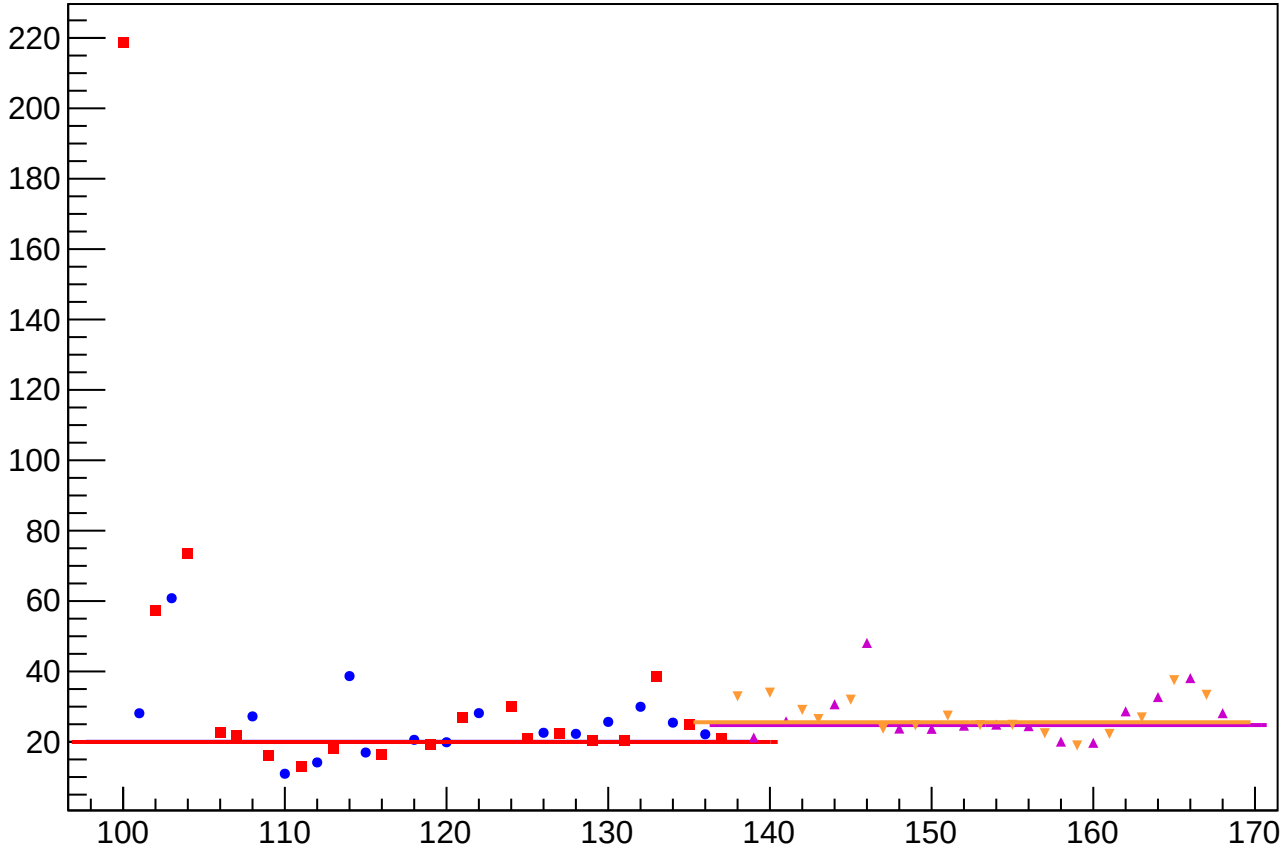
Left In: 0.001+/-0.007 χ^2/NDF:19.6/14

+ sign 0.003+/-0.006 χ^2/NDF: 33.7/31

All: 0.003+/-0.004 χ^2/NDF: 83.5/65

- sign 0.004+/-0.005 χ^2/NDF: 49.8/33

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: 25.565+/-0.005 χ^2/NDF:737259.0/15

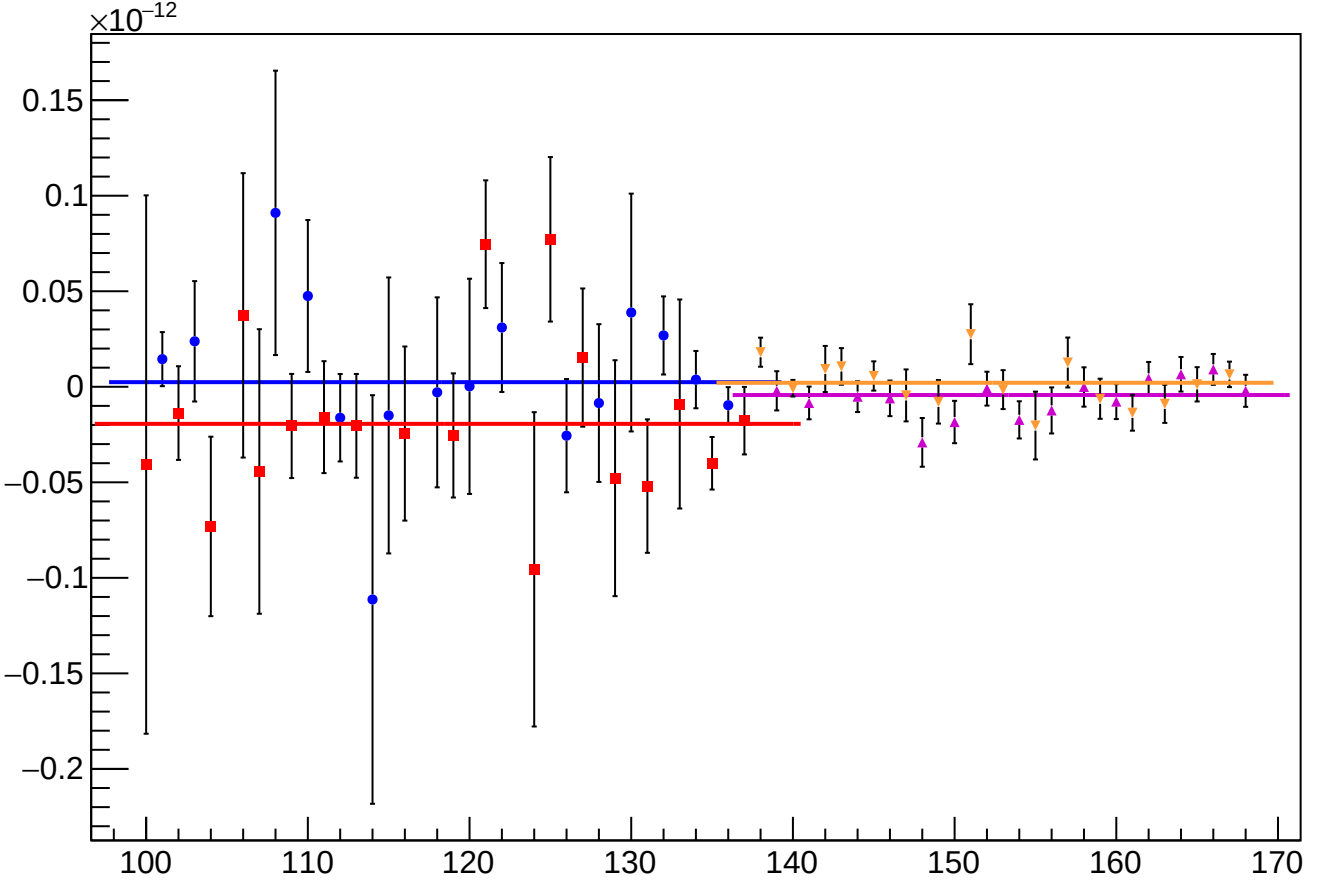
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.767+/-0.005 χ^2/NDF:945612.8/14

+ sign 23.040+/-0.004 χ^2/NDF: 2885418.6/31

All: 22.819+/-0.003 χ^2/NDF: 5941329.6/65

- sign 22.603+/-0.004 χ^2/NDF: 3049541.3/33



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/15

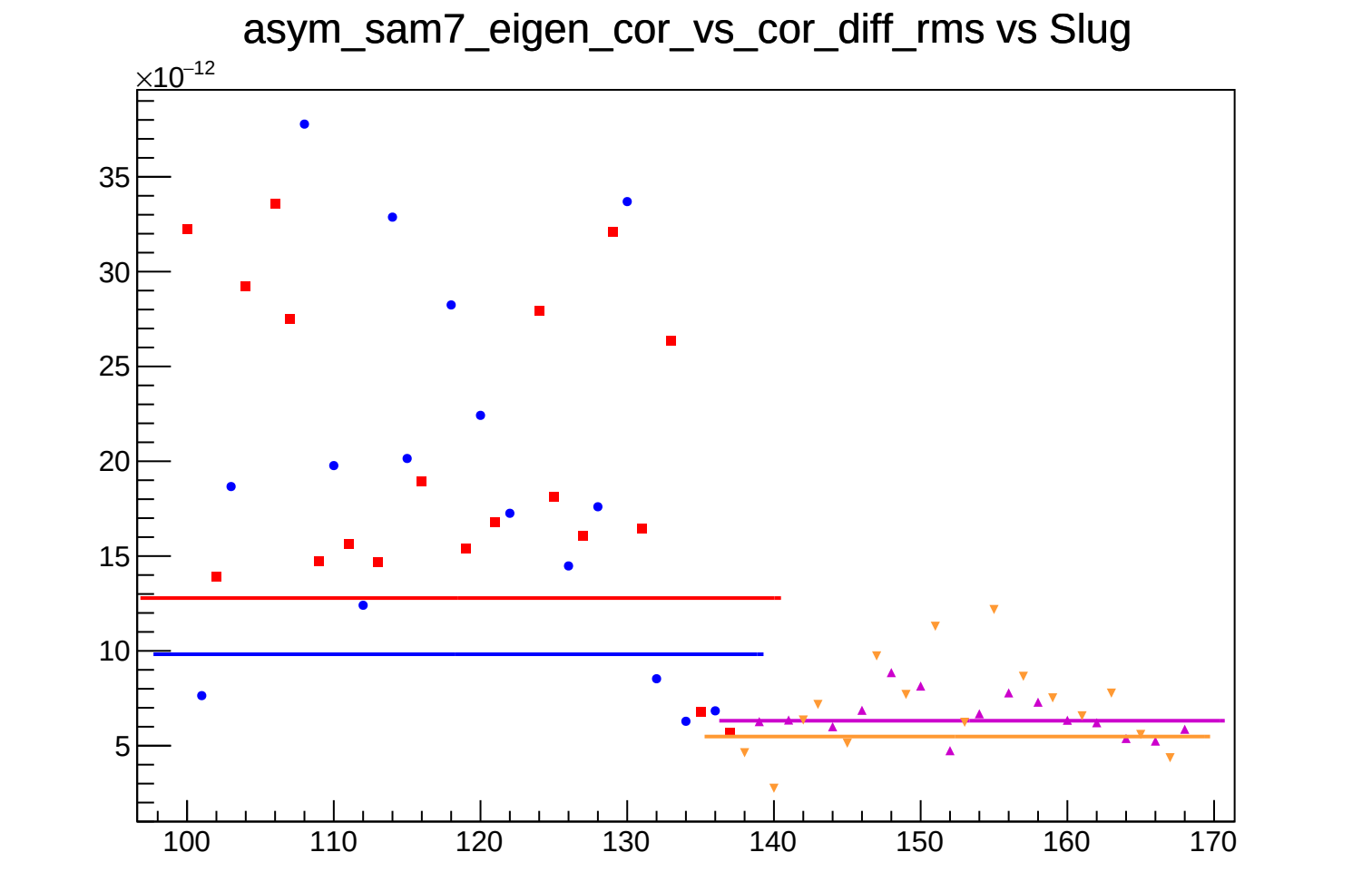
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.7/14

+ sign 0.000+/-0.000 χ^2/NDF: 28.2/31

All: -0.000+/-0.000 χ^2/NDF: 73.1/65

- sign -0.000+/-0.000 χ^2/NDF: 38.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2116240.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

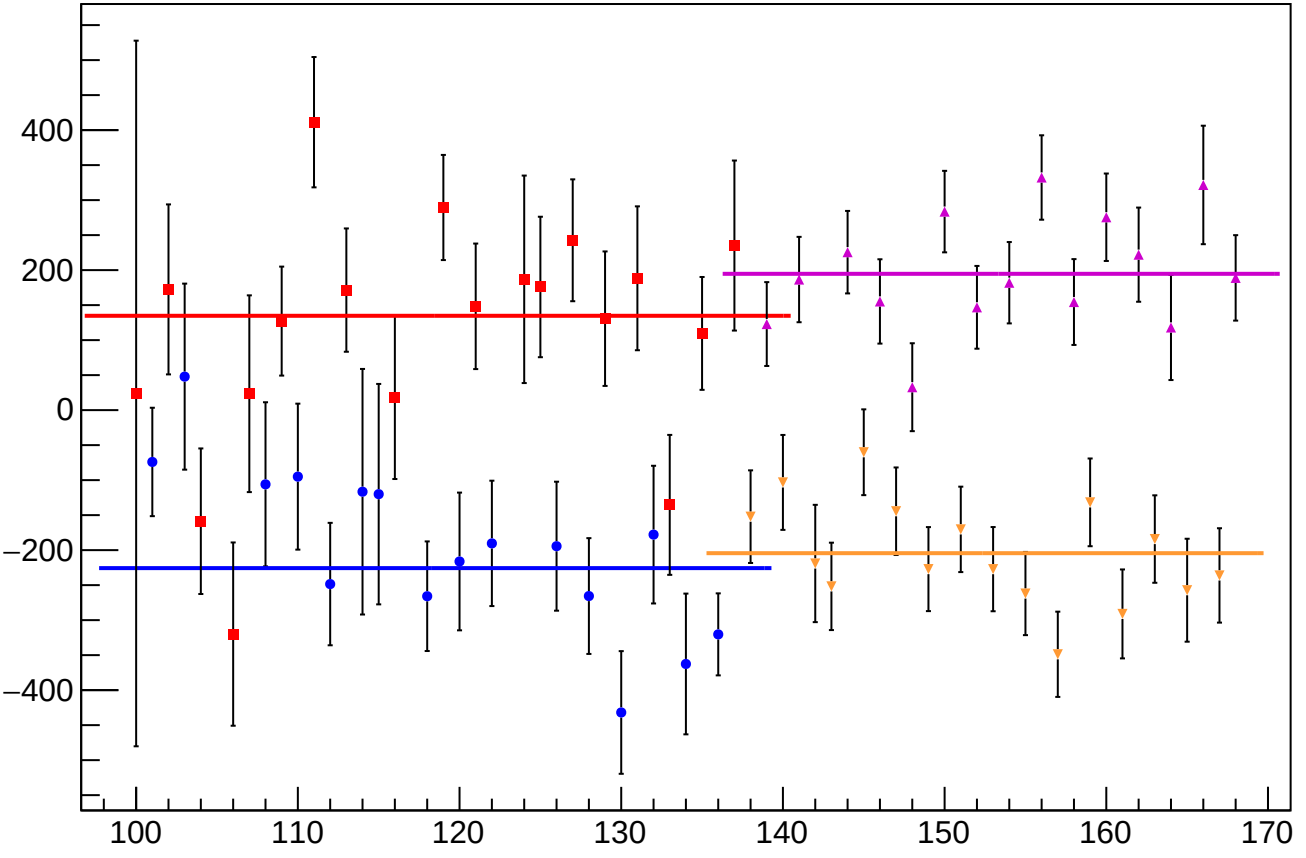
Left In: 0.000+/-0.000 χ^2/NDF:320282.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 5098171.8/31

All: 0.000+/-0.000 χ^2/NDF: 8913058.9/65

- sign 0.000+/-0.000 χ^2/NDF: 3623166.8/33

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -204.352+/-15.999 χ^2/NDF:21.1/15

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

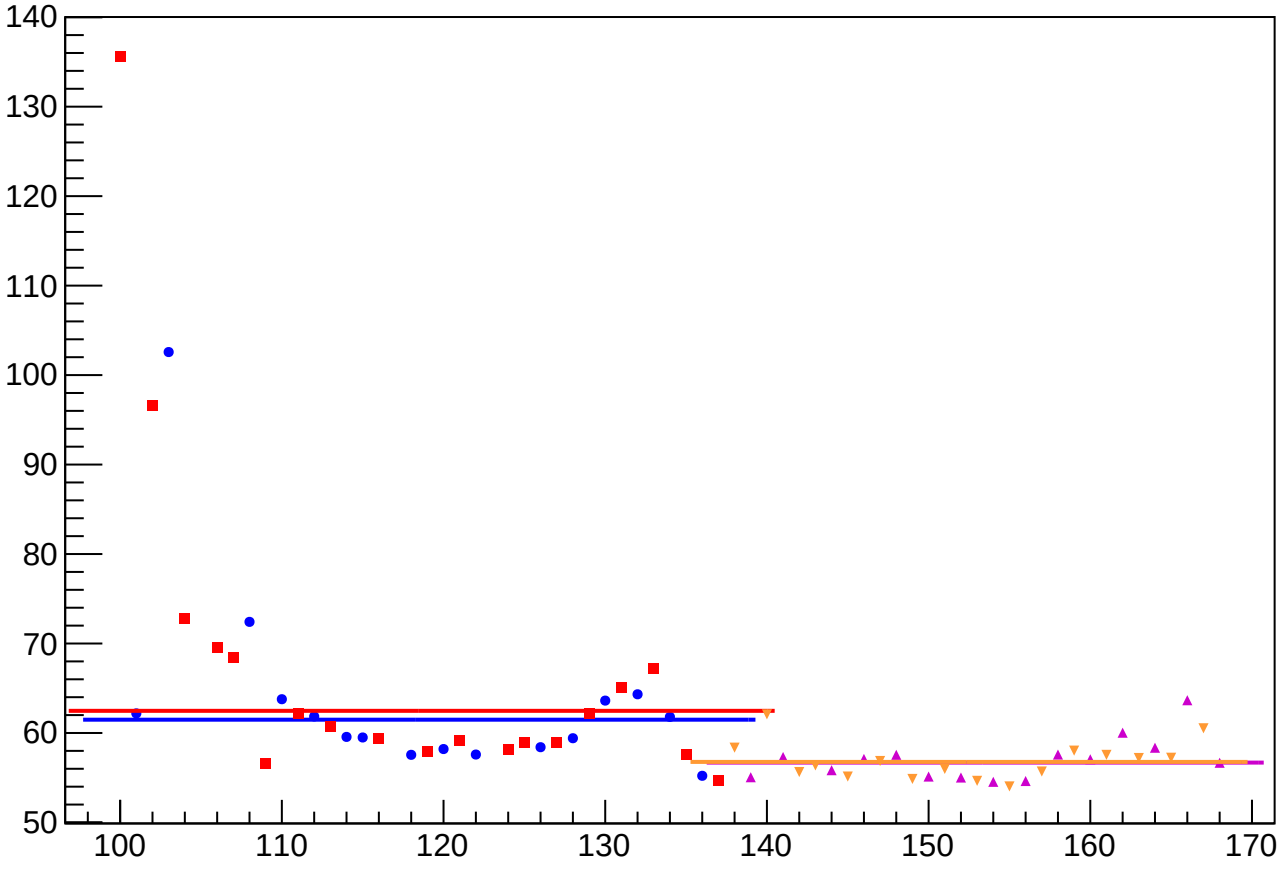
Left In: 194.716+/-16.125 χ^2/NDF:22.6/14

+ sign -211.263+/-13.156 χ^2/NDF: 44.3/31

All: -19.256+/-9.332 χ^2/NDF: 545.4/65

- sign 175.178+/-13.239 χ^2/NDF: 72.4/33

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.767+/-0.011 χ^2/NDF:32529.9/15

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

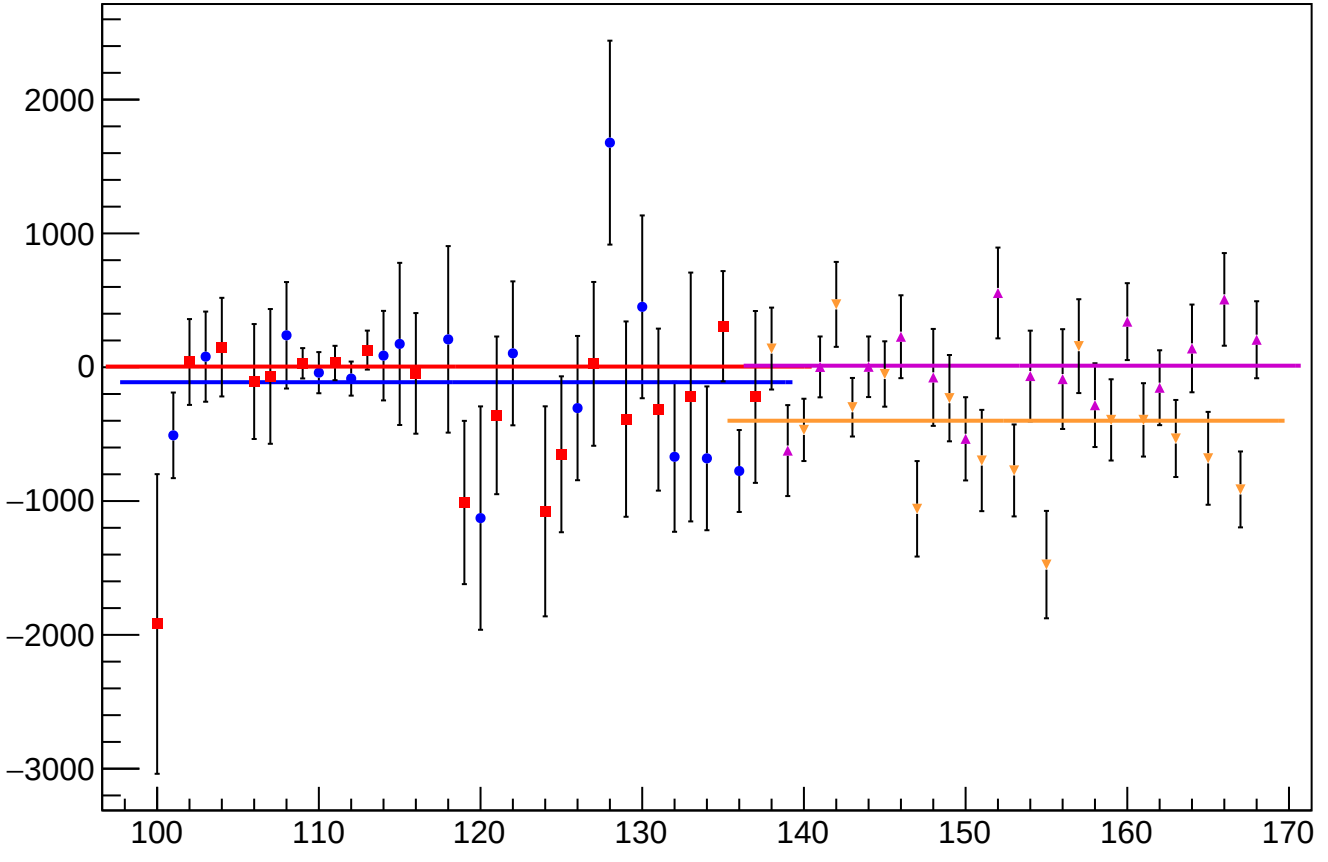
Left In: 56.691+/-0.011 χ^2/NDF:30666.4/14

+ sign 58.295+/-0.009 χ^2/NDF: 339535.5/31

All: 58.435+/-0.007 χ^2/NDF: 735698.0/65

- sign 58.576+/-0.009 χ^2/NDF: 395711.0/33

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -399.740+/-74.350 χ^2/NDF:32.3/15

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

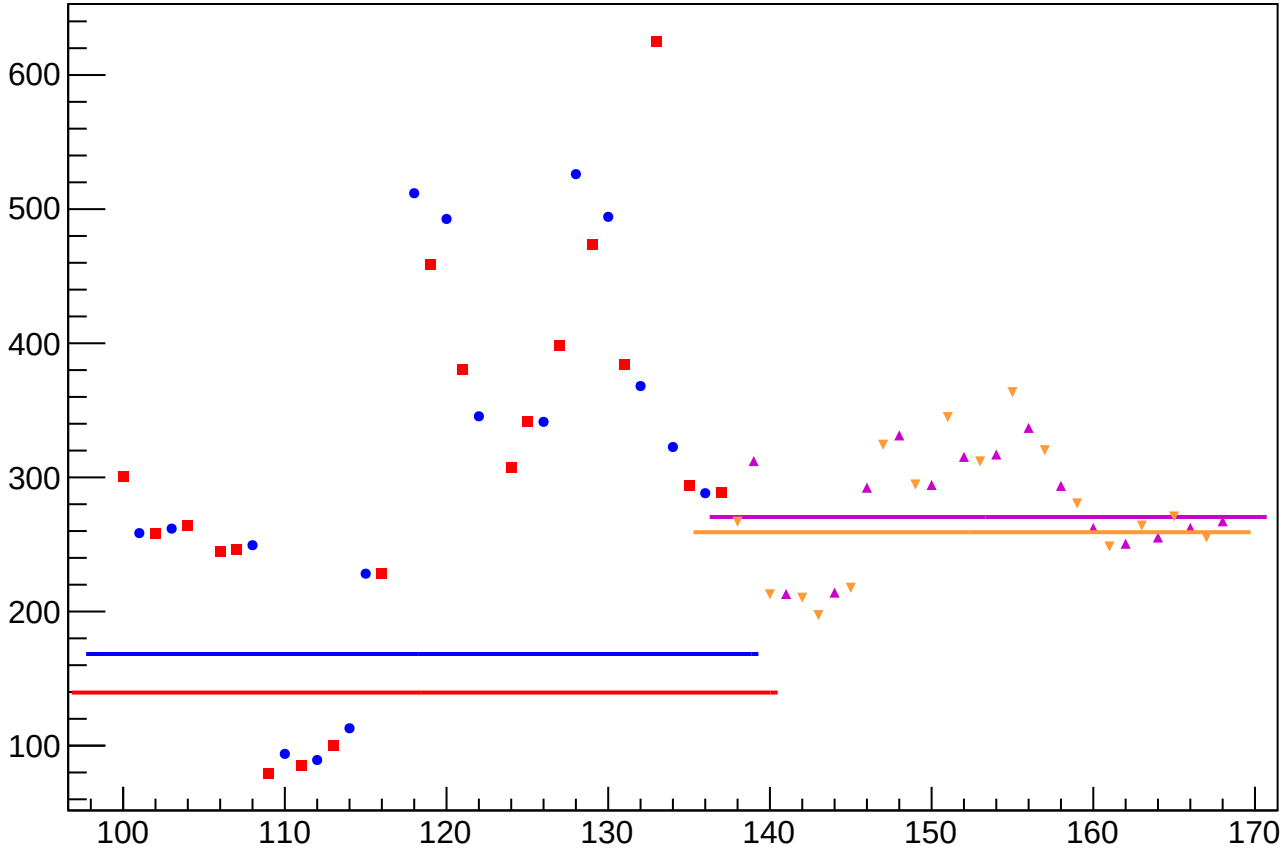
Left In: 11.486+/-77.782 χ^2/NDF:15.0/14

+ sign -259.373+/-53.220 χ^2/NDF: 58.0/31

All: -115.962+/-36.202 χ^2/NDF: 98.2/65

- sign 7.551+/-49.390 χ^2/NDF: 26.7/33

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 259.144+/-0.053 χ^2/NDF:798360.9/15

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

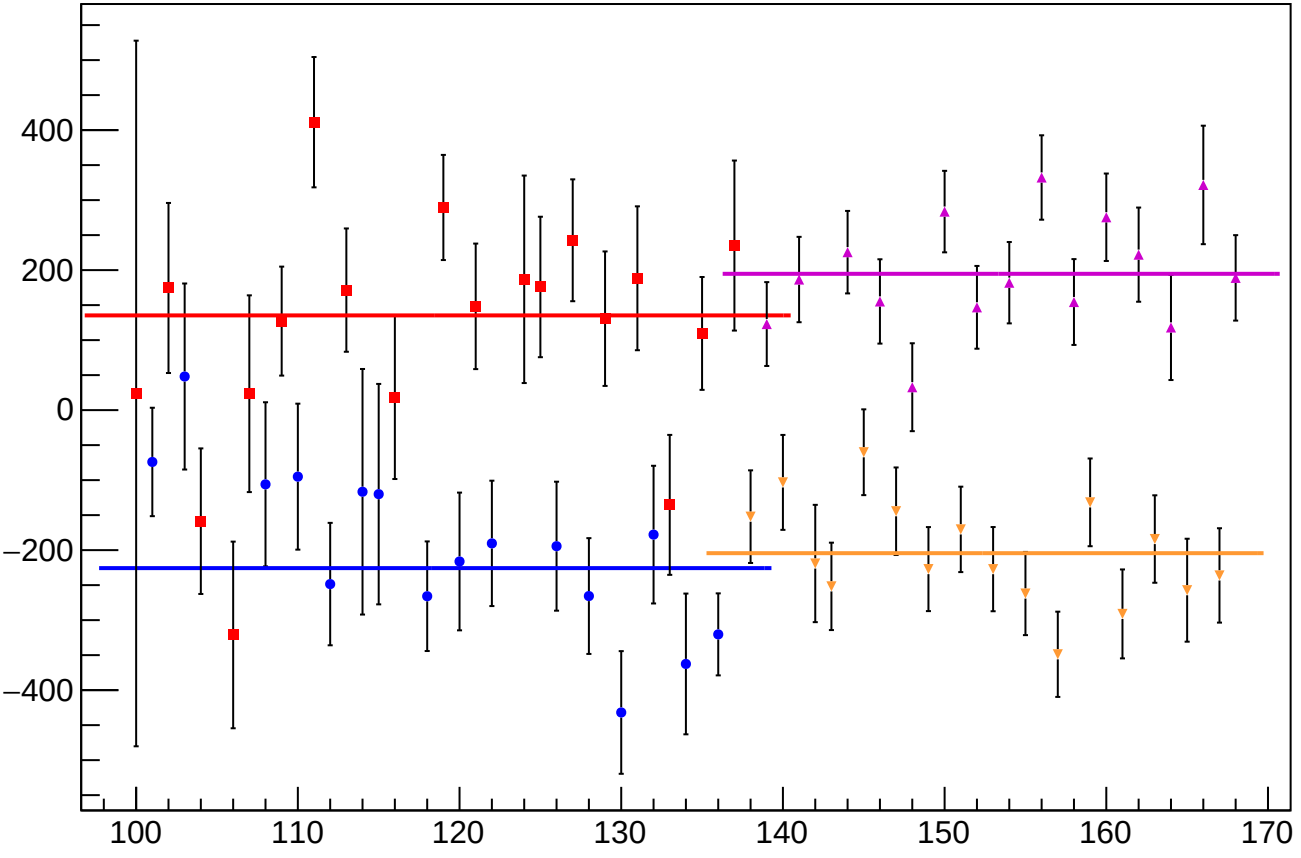
Left In: 270.481+/-0.055 χ^2/NDF:524276.3/14

+ sign 214.860+/-0.038 χ^2/NDF: 6797442.4/31

All: 202.775+/-0.026 χ^2/NDF: 16047669.1/65

- sign 192.367+/-0.035 χ^2/NDF: 9058276.6/33

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -204.349+/-15.999 χ^2/NDF:21.1/15

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

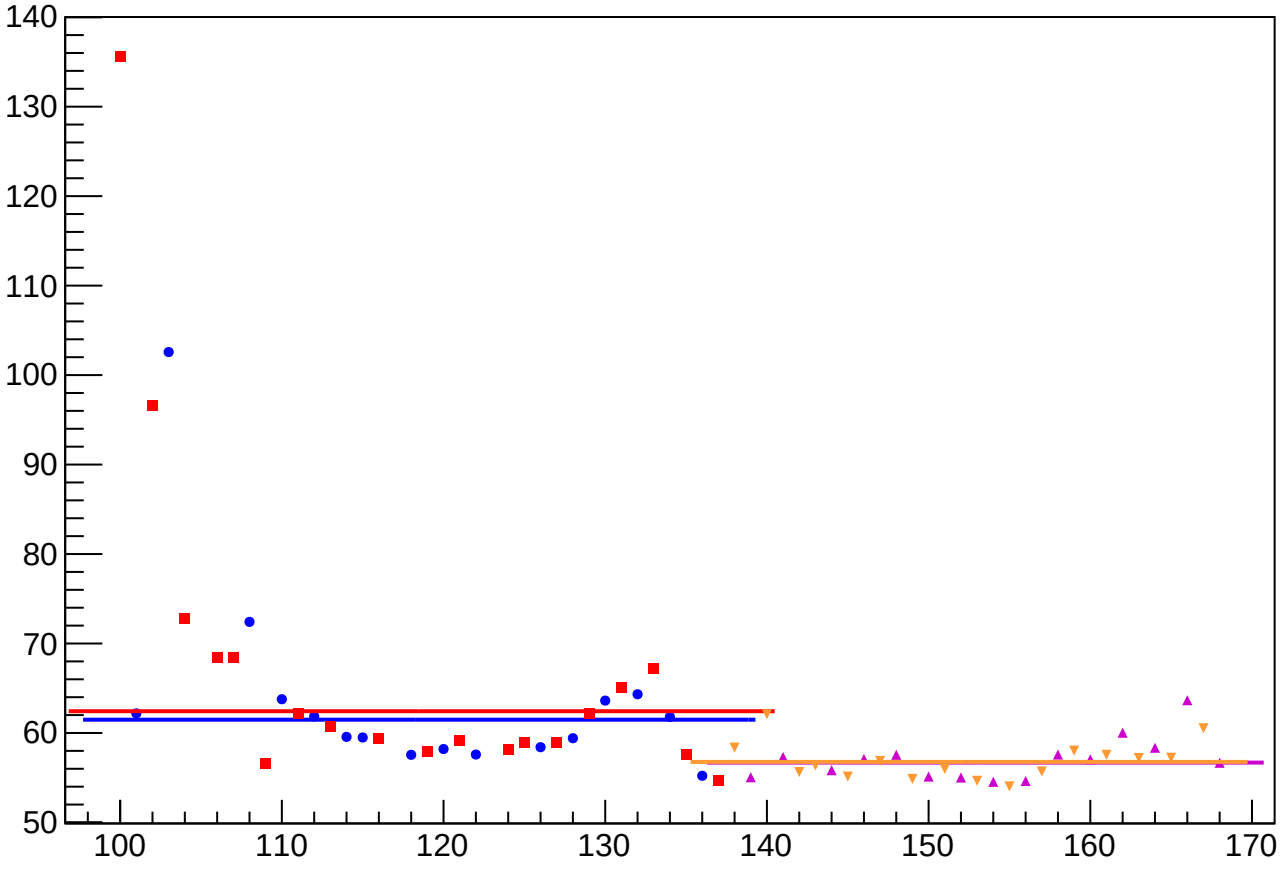
Left In: 194.717+/-16.125 χ^2/NDF:22.6/14

+ sign -211.261+/-13.156 χ^2/NDF: 44.3/31

All: -19.195+/-9.333 χ^2/NDF: 545.3/65

- sign 175.373+/-13.242 χ^2/NDF: 71.9/33

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.767+/-0.011 χ^2/NDF:32529.9/15

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

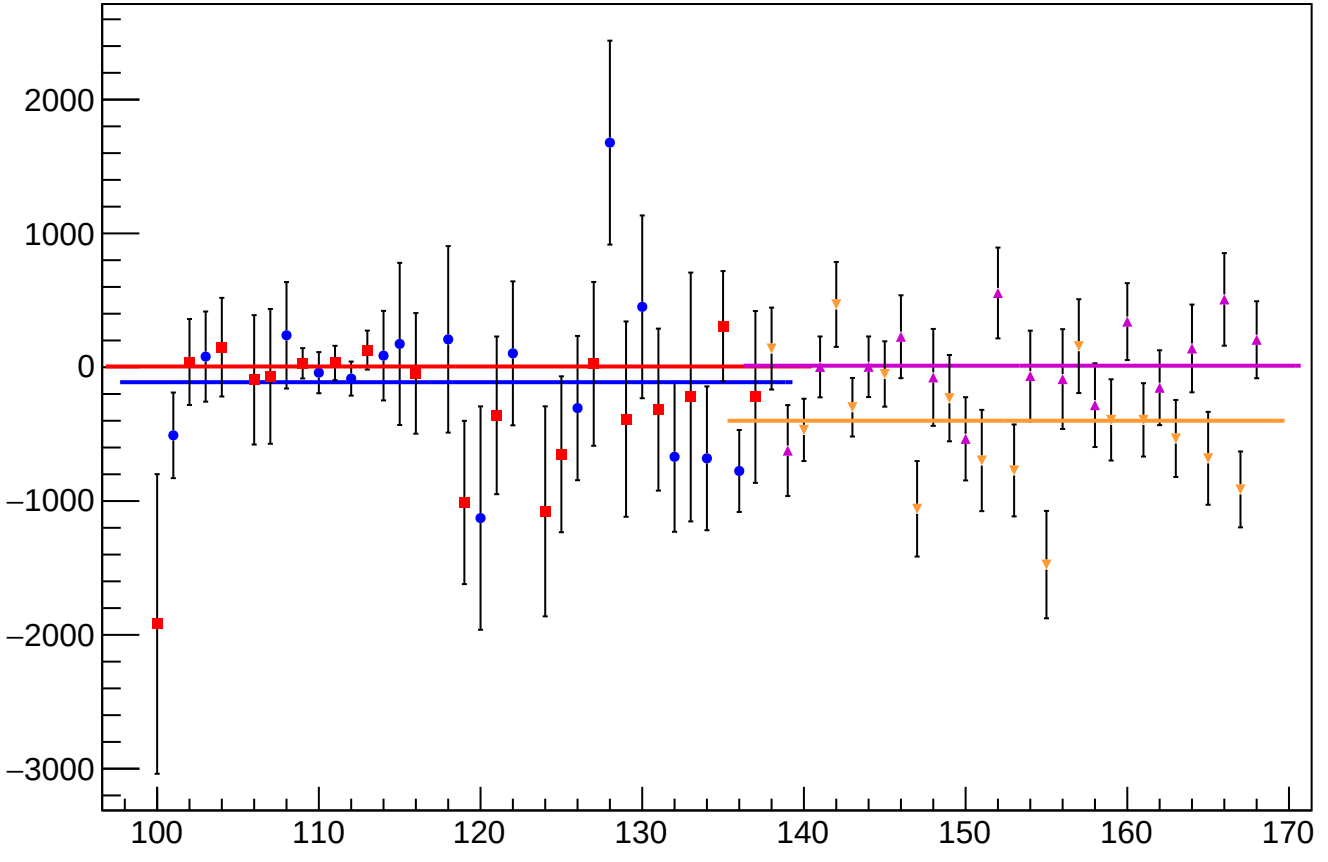
Left In: 56.691+/-0.011 χ^2/NDF:30666.4/14

+ sign 58.295+/-0.009 χ^2/NDF: 339538.1/31

All: 58.427+/-0.007 χ^2/NDF: 732603.3/65

- sign 58.560+/-0.009 χ^2/NDF: 392662.3/33

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -399.736+/-74.350 χ^2/NDF:32.3/15

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

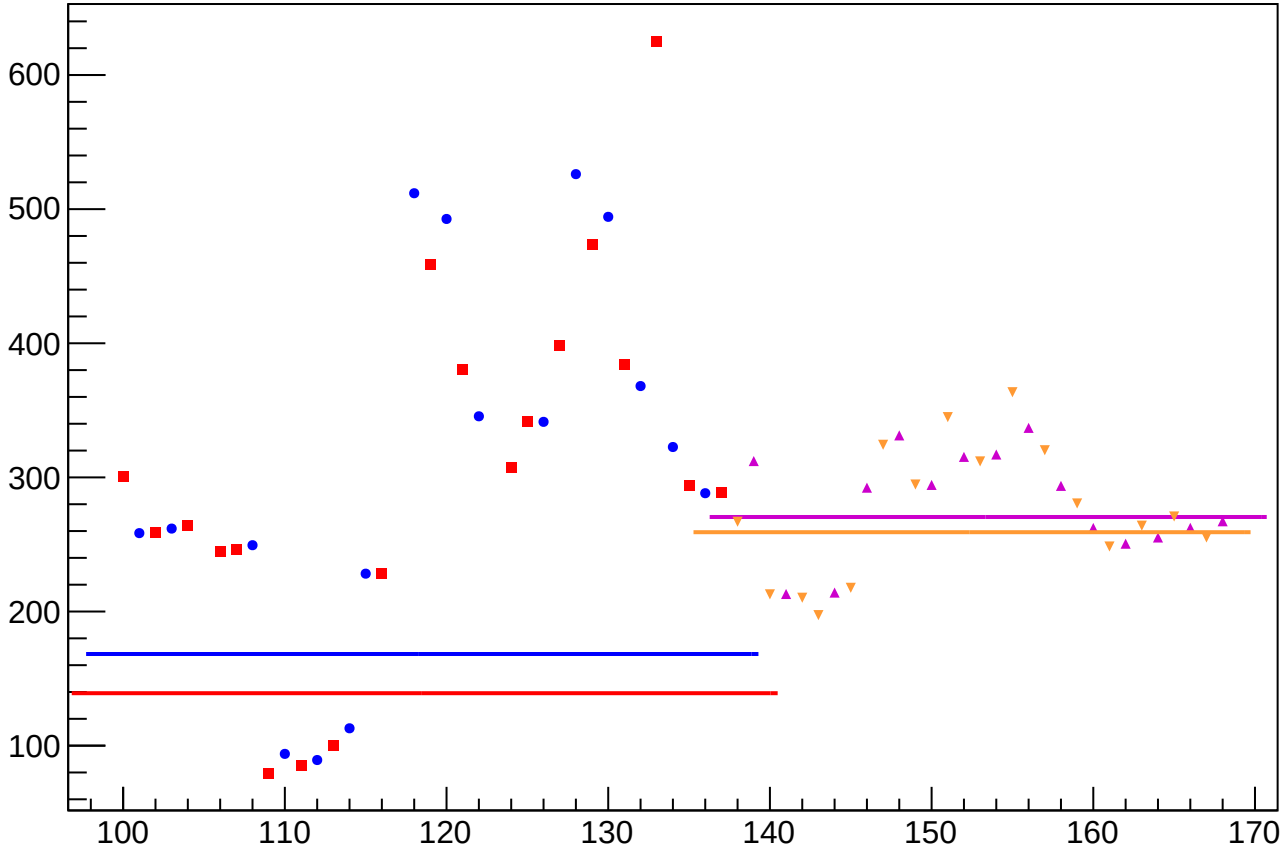
Left In: 11.491+/-77.782 χ^2/NDF:15.0/14

+ sign -259.363+/-53.220 χ^2/NDF: 58.0/31

All: -115.909+/-36.230 χ^2/NDF: 98.2/65

- sign 7.991+/-49.460 χ^2/NDF: 26.6/33

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.144+/-0.053 χ^2/NDF:798365.4/15

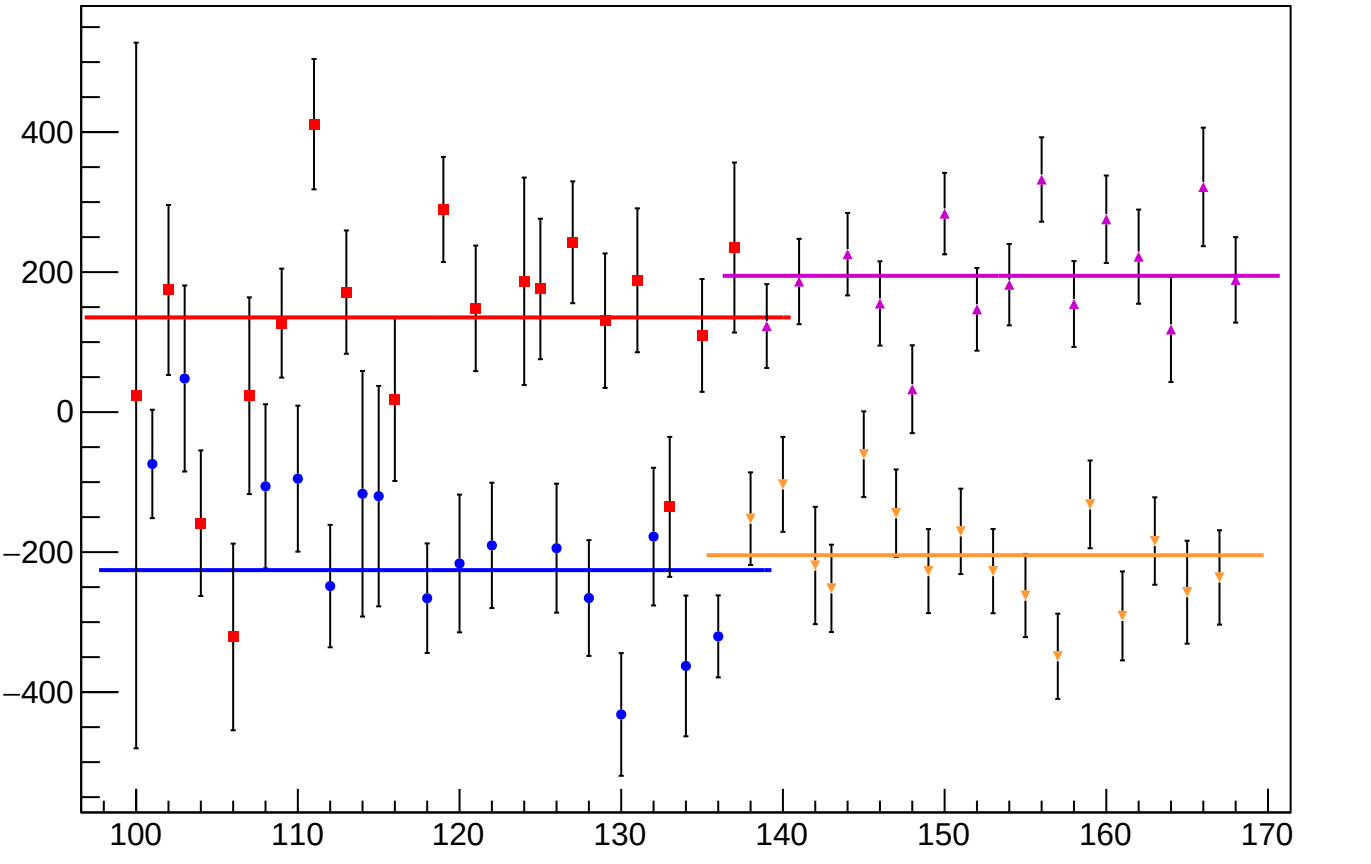
Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 270.481+/-0.055 χ^2/NDF:524275.1/14

+ sign 214.860+/-0.038 χ^2/NDF: 6797478.3/31

All: 202.715+/-0.026 χ^2/NDF: 16044491.7/65

- sign 192.225+/-0.035 χ^2/NDF: 9052893.6/33



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -204.349+/-15.999 χ^2/NDF:21.1/15

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

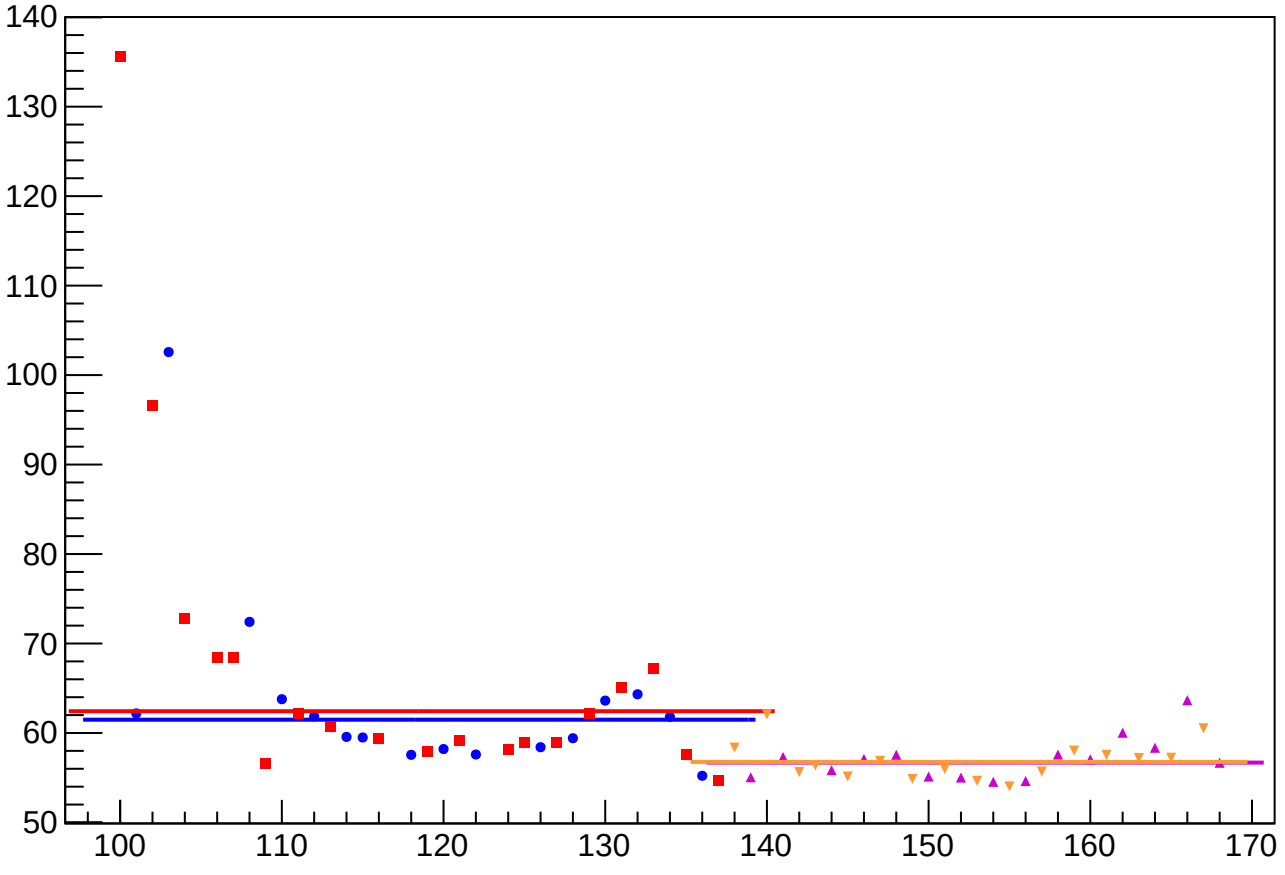
Left In: 194.717+/-16.125 χ^2/NDF:22.6/14

\+ sign -211.261+/-13.156 χ^2/NDF: 44.3/31

All: -19.195+/-9.333 χ^2/NDF: 545.3/65

\- sign 175.373+/-13.242 χ^2/NDF: 71.9/33

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.767+/-0.011 χ^2/NDF:32529.9/15

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

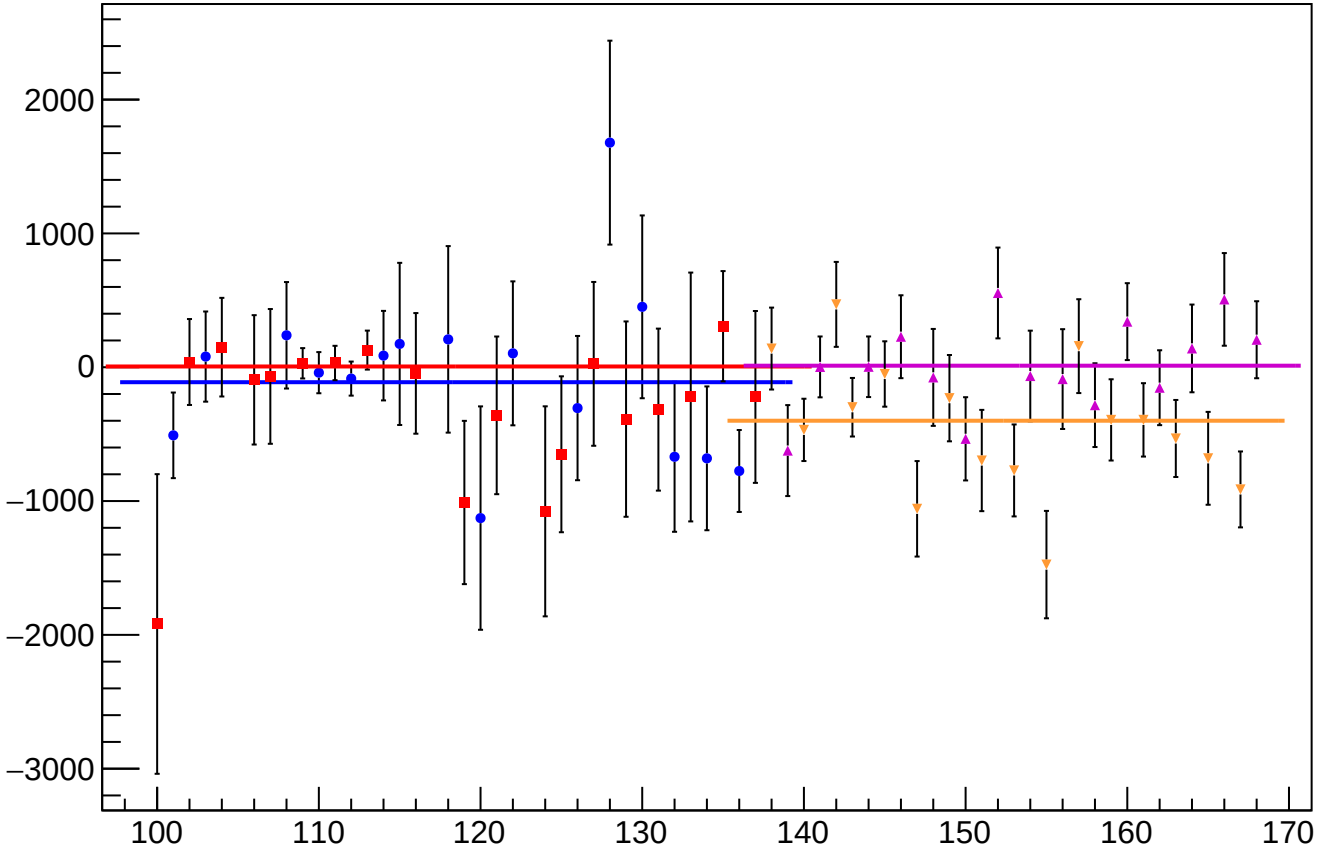
Left In: 56.691+/-0.011 χ^2/NDF:30666.4/14

+ sign 58.295+/-0.009 χ^2/NDF: 339538.1/31

All: 58.427+/-0.007 χ^2/NDF: 732603.3/65

- sign 58.560+/-0.009 χ^2/NDF: 392662.3/33

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -399.736+/-74.350 χ^2/NDF:32.3/15

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

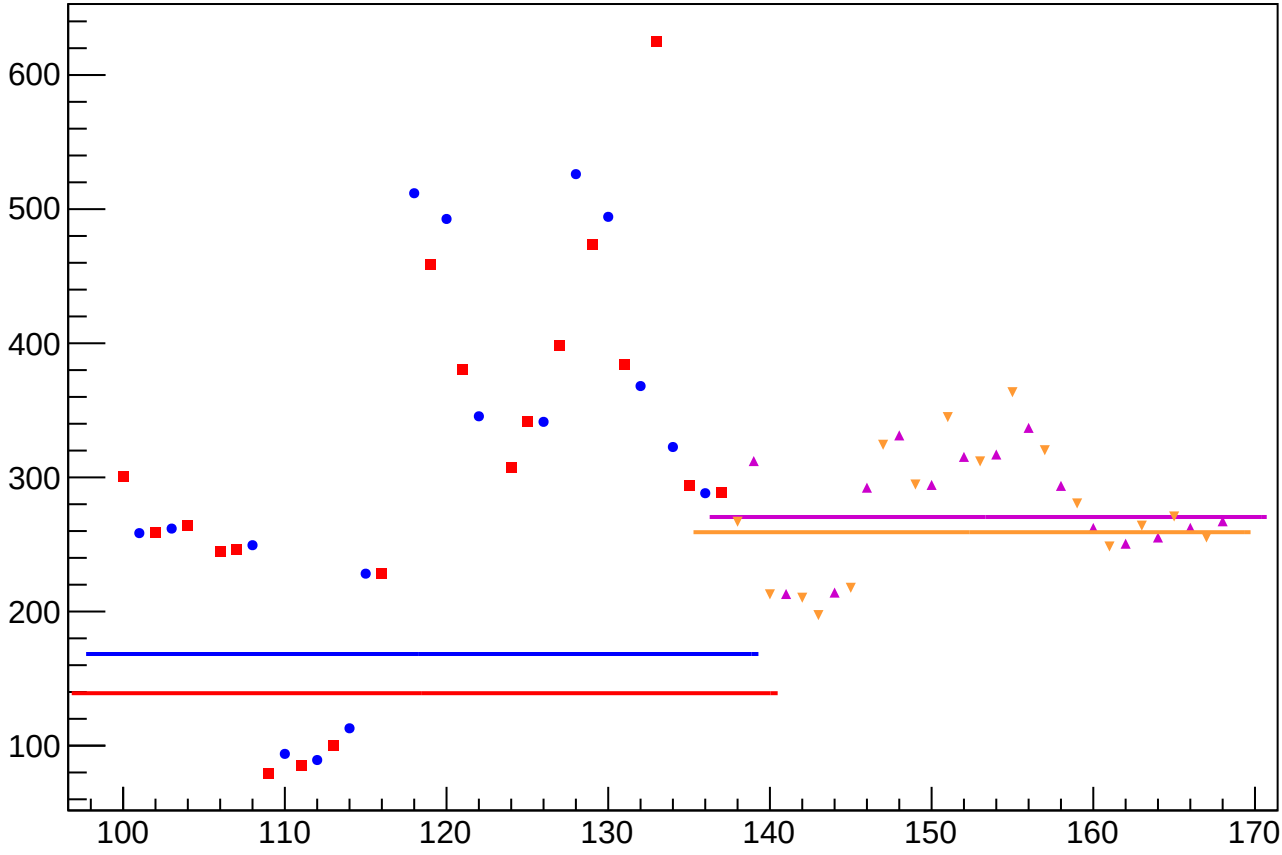
Left In: 11.491+/-77.782 χ^2/NDF:15.0/14

+ sign -259.363+/-53.220 χ^2/NDF: 58.0/31

All: -115.909+/-36.230 χ^2/NDF: 98.2/65

- sign 7.991+/-49.460 χ^2/NDF: 26.6/33

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.144+/-0.053 χ^2/NDF:798365.4/15

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

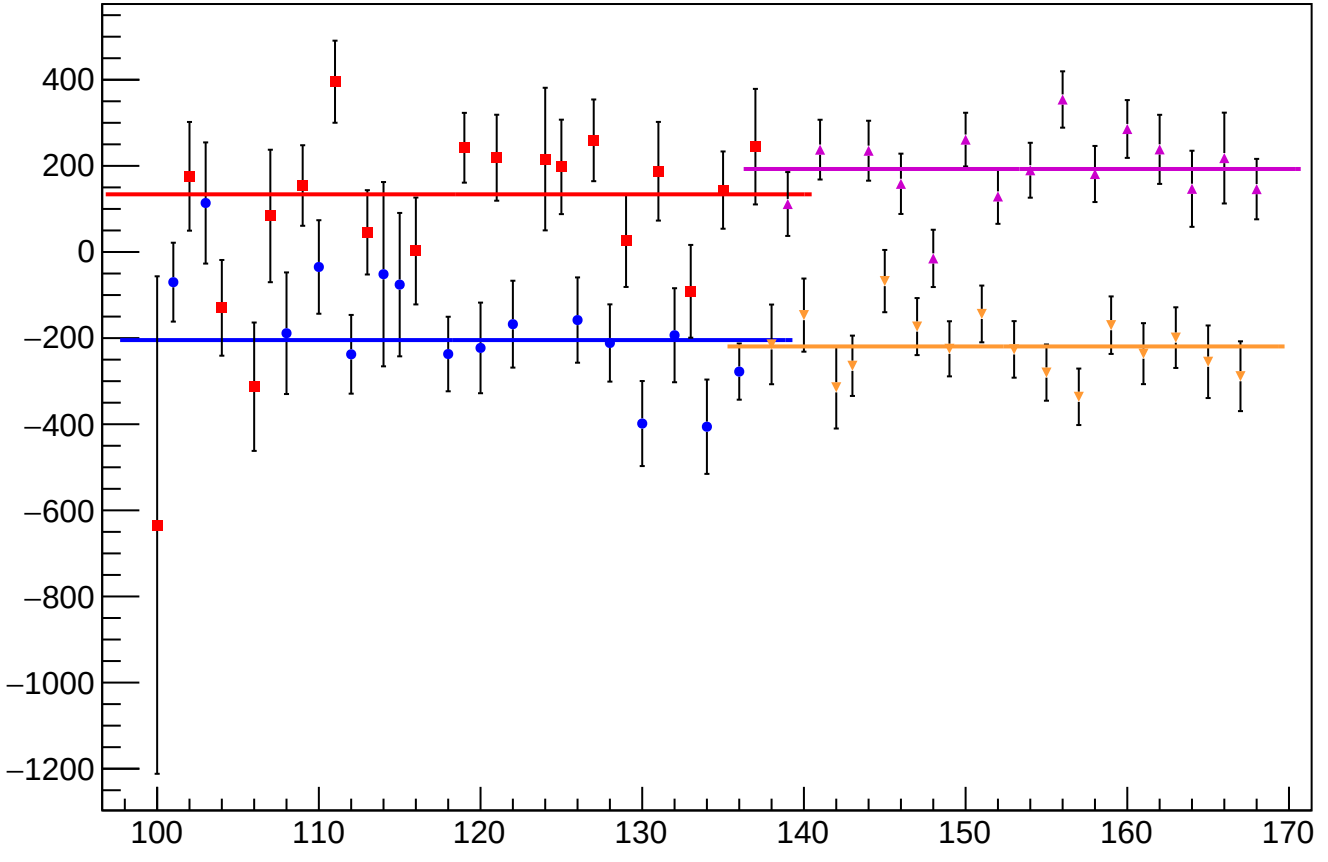
Left In: 270.481+/-0.055 χ^2/NDF:524275.1/14

+ sign 214.860+/-0.038 χ^2/NDF: 6797478.3/31

All: 202.715+/-0.026 χ^2/NDF: 16044491.7/65

- sign 192.225+/-0.035 χ^2/NDF: 9052893.6/33

dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -219.346+/-18.021 χ^2/NDF:14.0/15

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

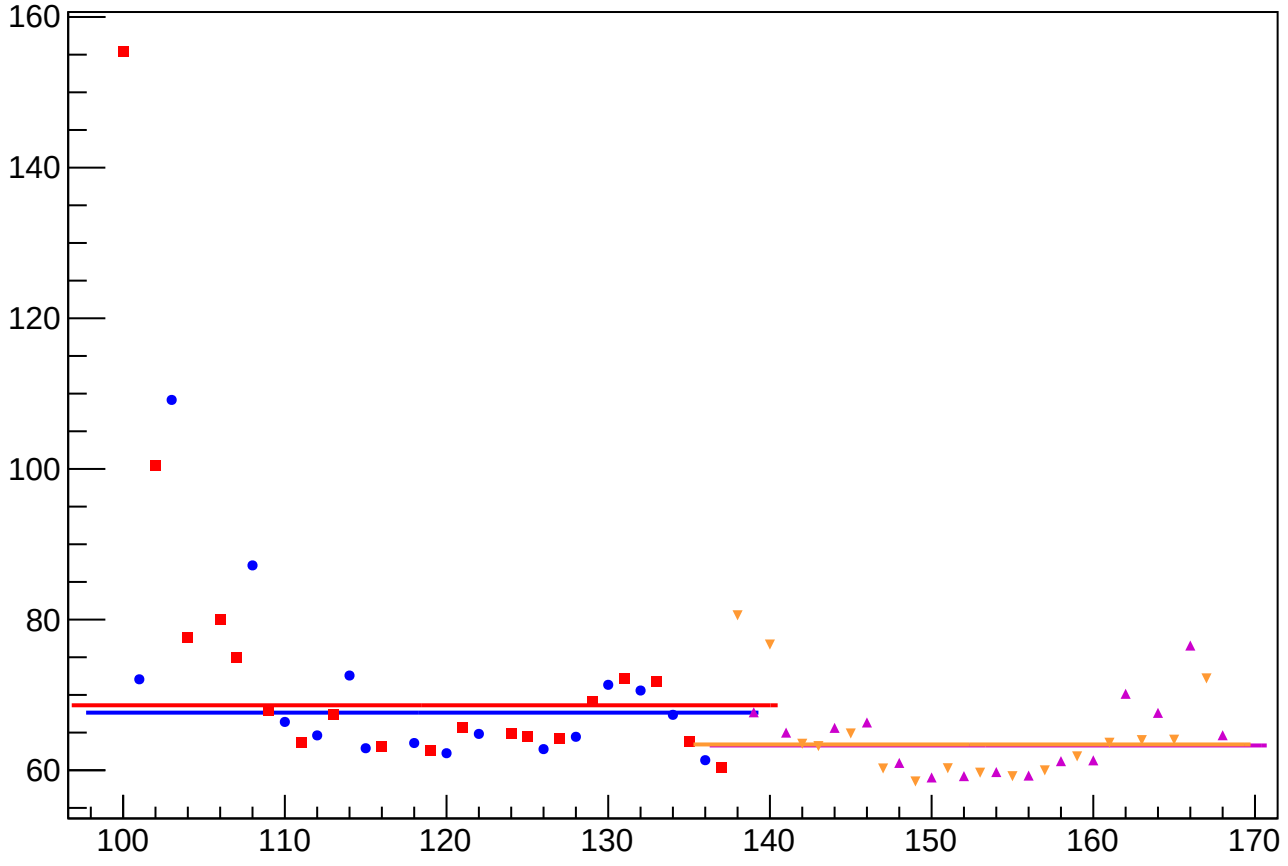
Left In: 192.781+/-18.126 χ^2/NDF:23.3/14

+ sign -214.433+/-14.722 χ^2/NDF: 34.2/31

All: -21.360+/-10.427 χ^2/NDF: 443.5/65

- sign 173.007+/-14.771 χ^2/NDF: 64.1/33

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 63.424+/-0.013 χ^2/NDF:184473.5/15

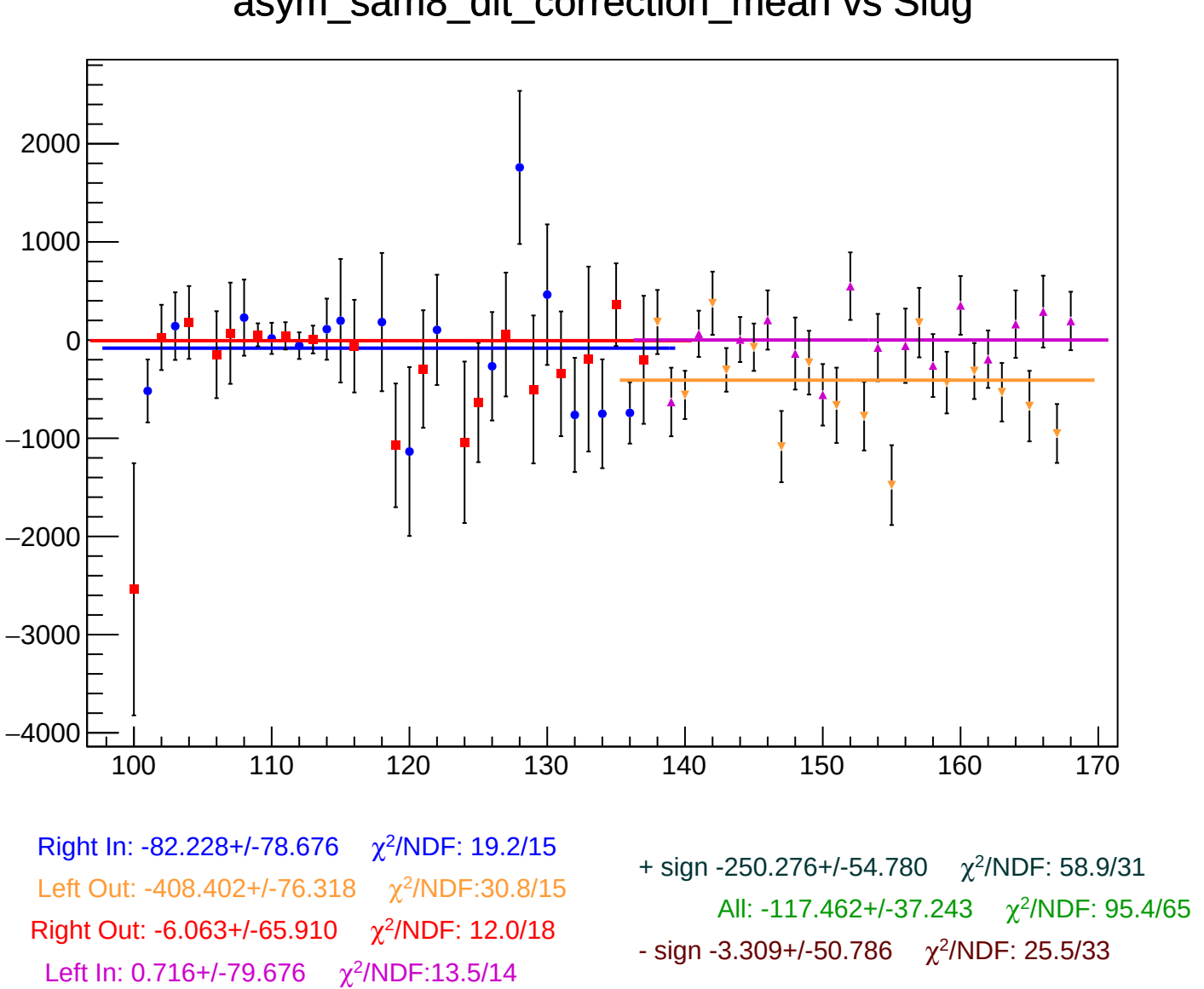
Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 63.290+/-0.013 χ^2/NDF:103364.0/14

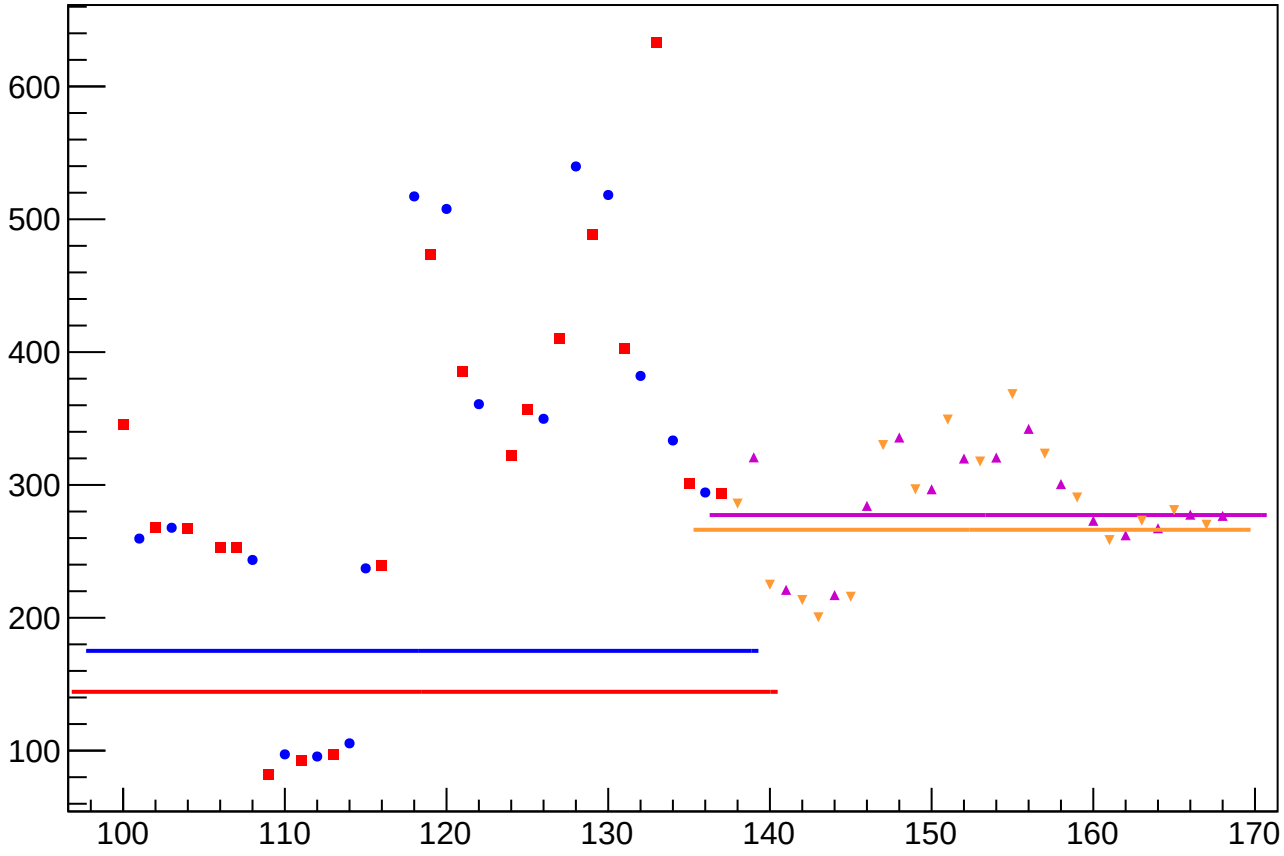
+ sign 64.829+/-0.010 χ^2/NDF: 484686.7/31

All: 64.955+/-0.007 χ^2/NDF: 894684.6/65

- sign 65.082+/-0.010 χ^2/NDF: 409703.1/33


asym_sam8_dit_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
−4000
100
110
120
130
140
150
160
170
Right In: -82.228+/-78.676 χ²/NDF: 19.2/15
Left Out: -408.402+/-76.318 χ²/NDF:30.8/15
Right Out: -6.063+/-65.910 χ²/NDF: 12.0/18
Left In: 0.716+/-79.676 χ²/NDF:13.5/14
+ sign -250.276+/-54.780 χ²/NDF: 58.9/31
All: -117.462+/-37.243 χ²/NDF: 95.4/65
- sign -3.309+/-50.786 χ²/NDF: 25.5/33

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 266.257+/-0.054 χ^2/NDF:794266.2/15

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

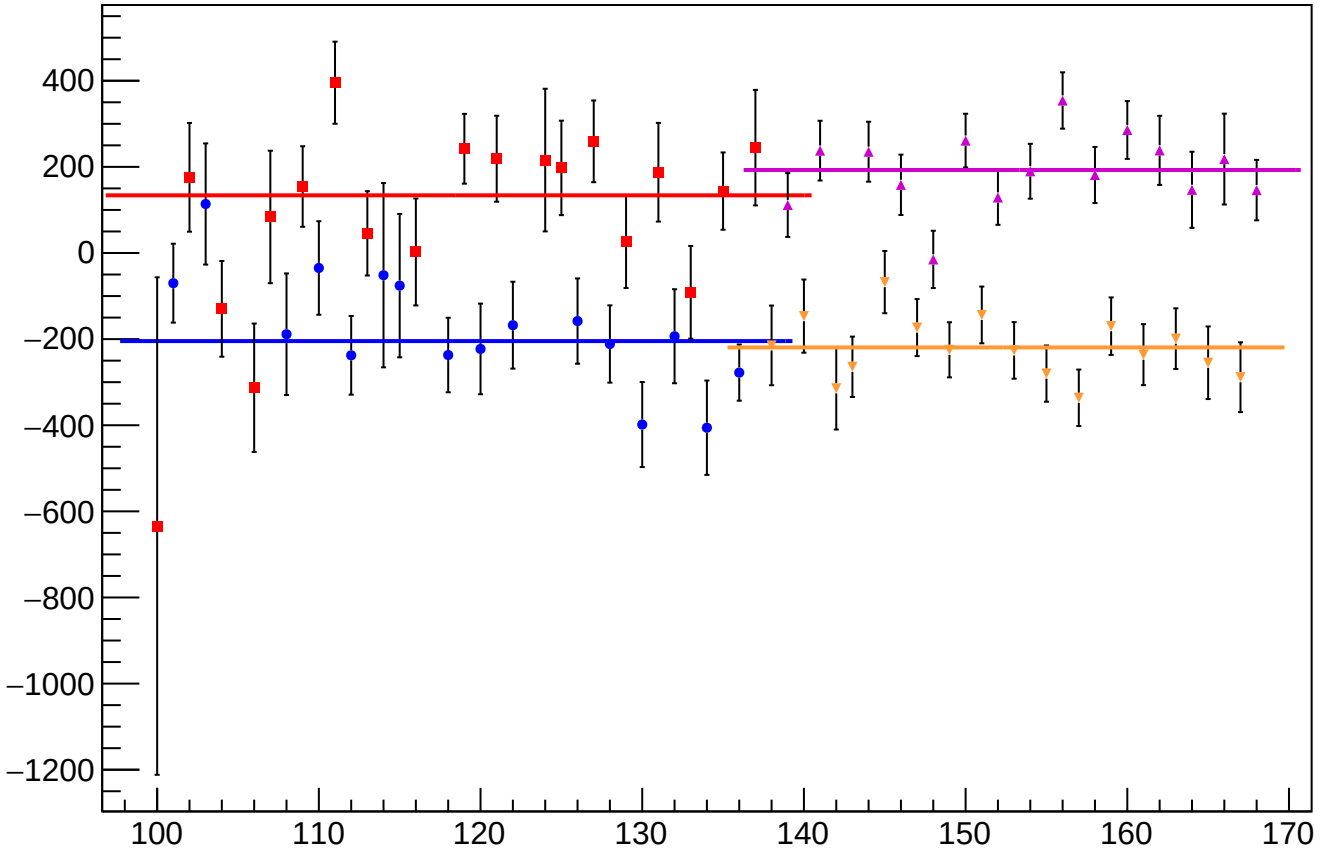
Left In: 277.341+/-0.056 χ^2/NDF:481663.6/14

+ sign 222.065+/-0.039 χ^2/NDF: 6606635.0/31

All: 209.305+/-0.026 χ^2/NDF: 15734452.9/65

- sign 198.339+/-0.036 χ^2/NDF: 8926055.1/33

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -219.345+/-18.021 χ^2/NDF:14.0/15

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

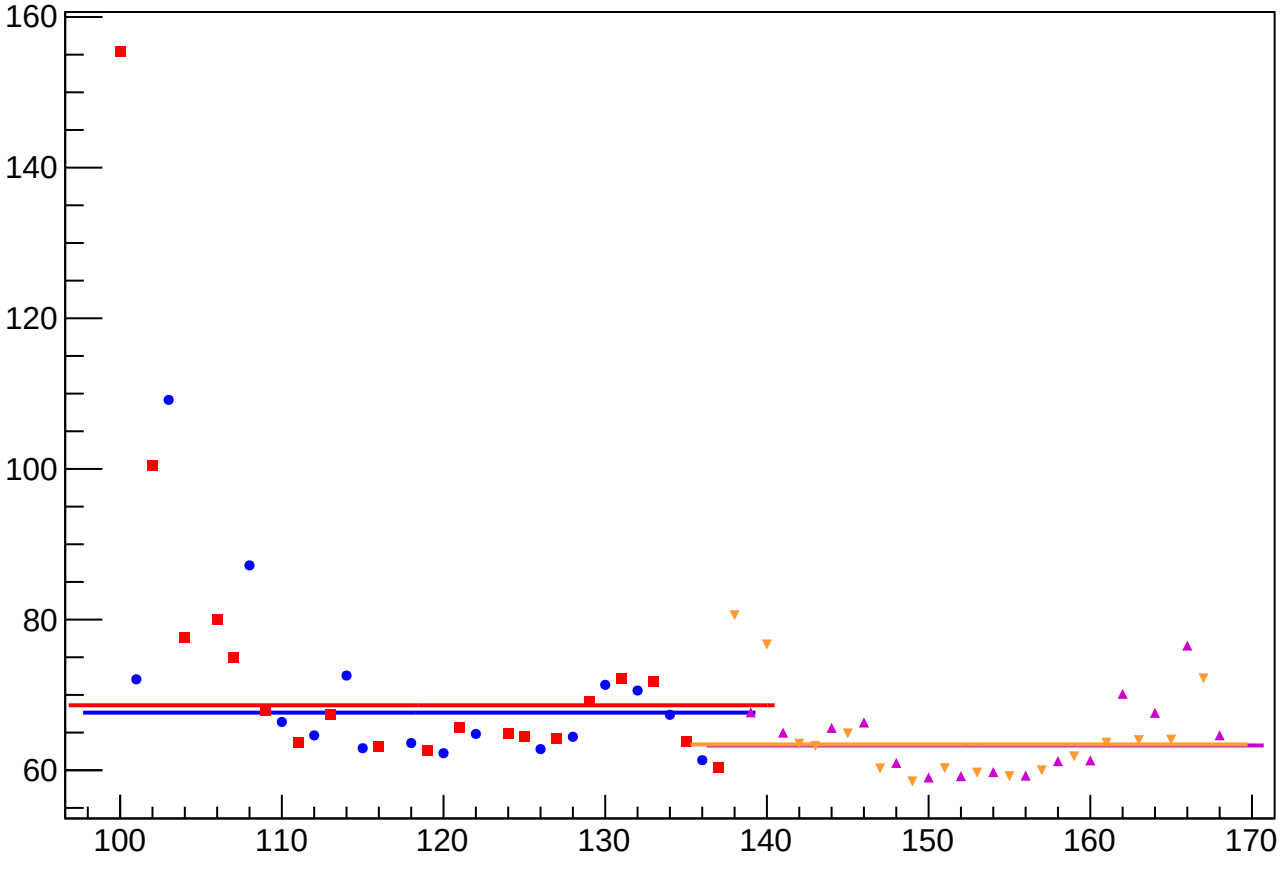
Left In: 192.782+/-18.126 χ^2/NDF:23.3/14

+ sign -214.432+/-14.722 χ^2/NDF: 34.2/31

All: -21.359+/-10.427 χ^2/NDF: 443.5/65

- sign 173.008+/-14.771 χ^2/NDF: 64.1/33

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 63.424+/-0.013 χ^2/NDF:184472.4/15

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

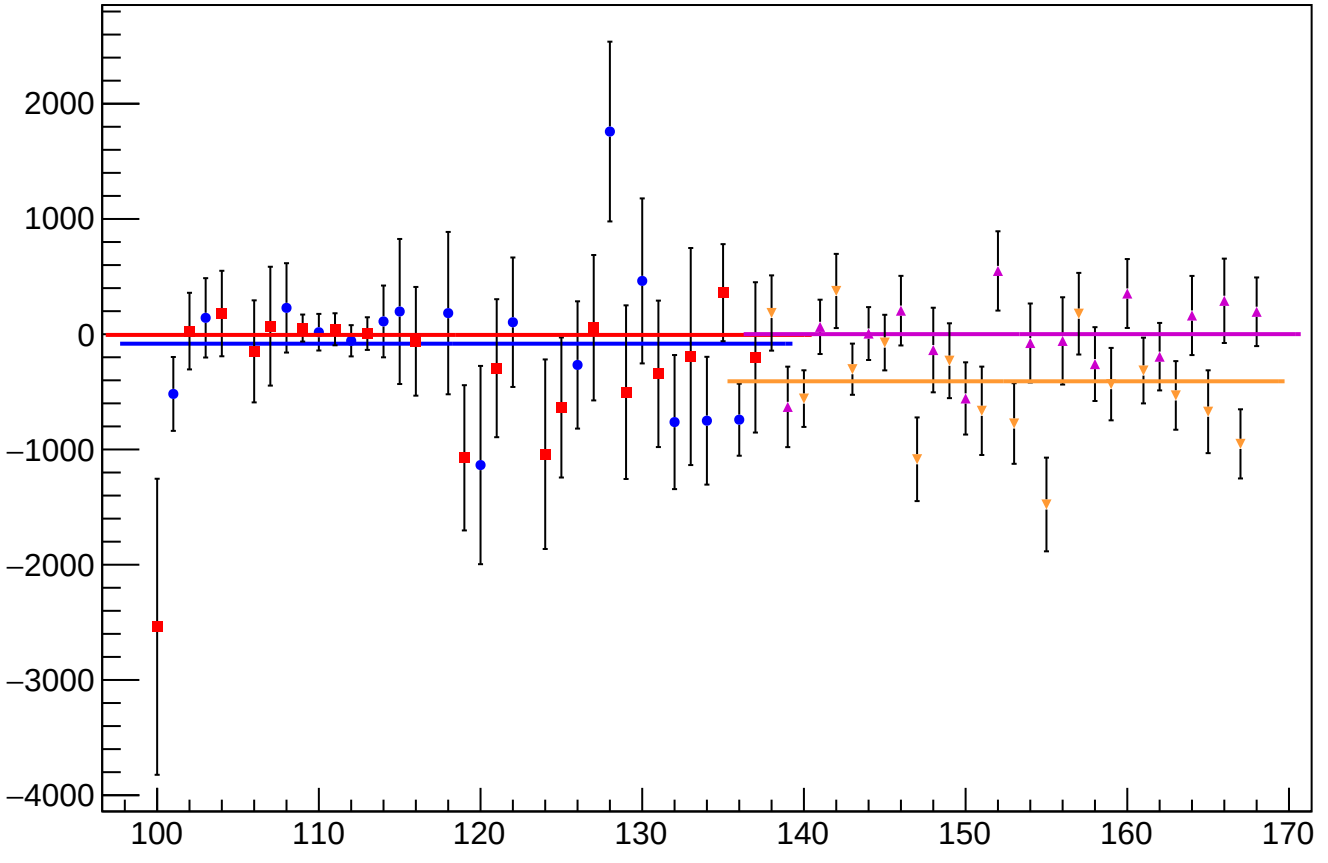
Left In: 63.290+/-0.013 χ^2/NDF:103364.3/14

+ sign 64.829+/-0.010 χ^2/NDF: 484681.2/31

All: 64.955+/-0.007 χ^2/NDF: 894675.4/65

- sign 65.082+/-0.010 χ^2/NDF: 409699.4/33

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -408.400+/-76.318 χ^2/NDF:30.8/15

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

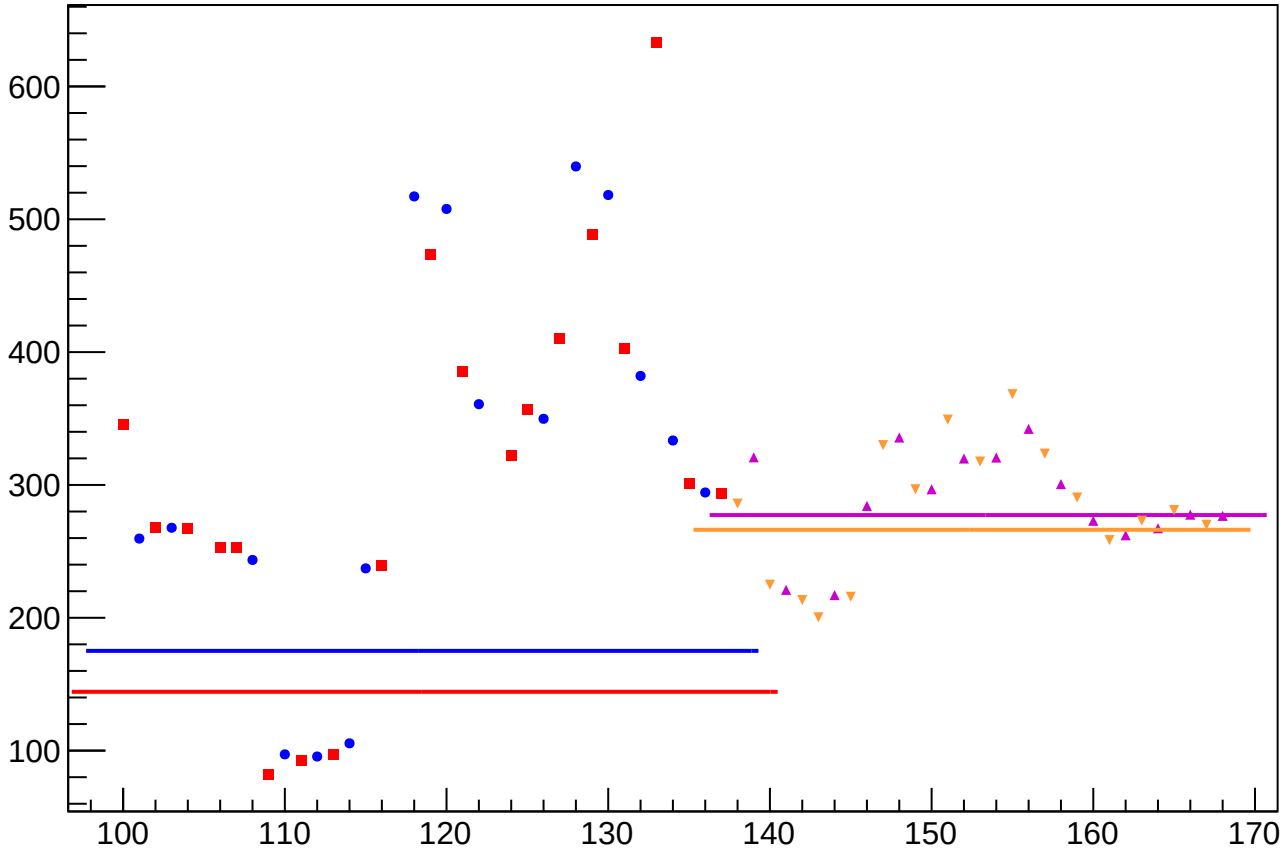
Left In: 0.717+/-79.675 χ^2/NDF:13.5/14

+ sign -250.274+/-54.779 χ^2/NDF: 58.9/31

All: -117.461+/-37.243 χ^2/NDF: 95.4/65

- sign -3.308+/-50.786 χ^2/NDF: 25.5/33

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 266.256+/-0.054 χ^2/NDF:794274.9/15

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

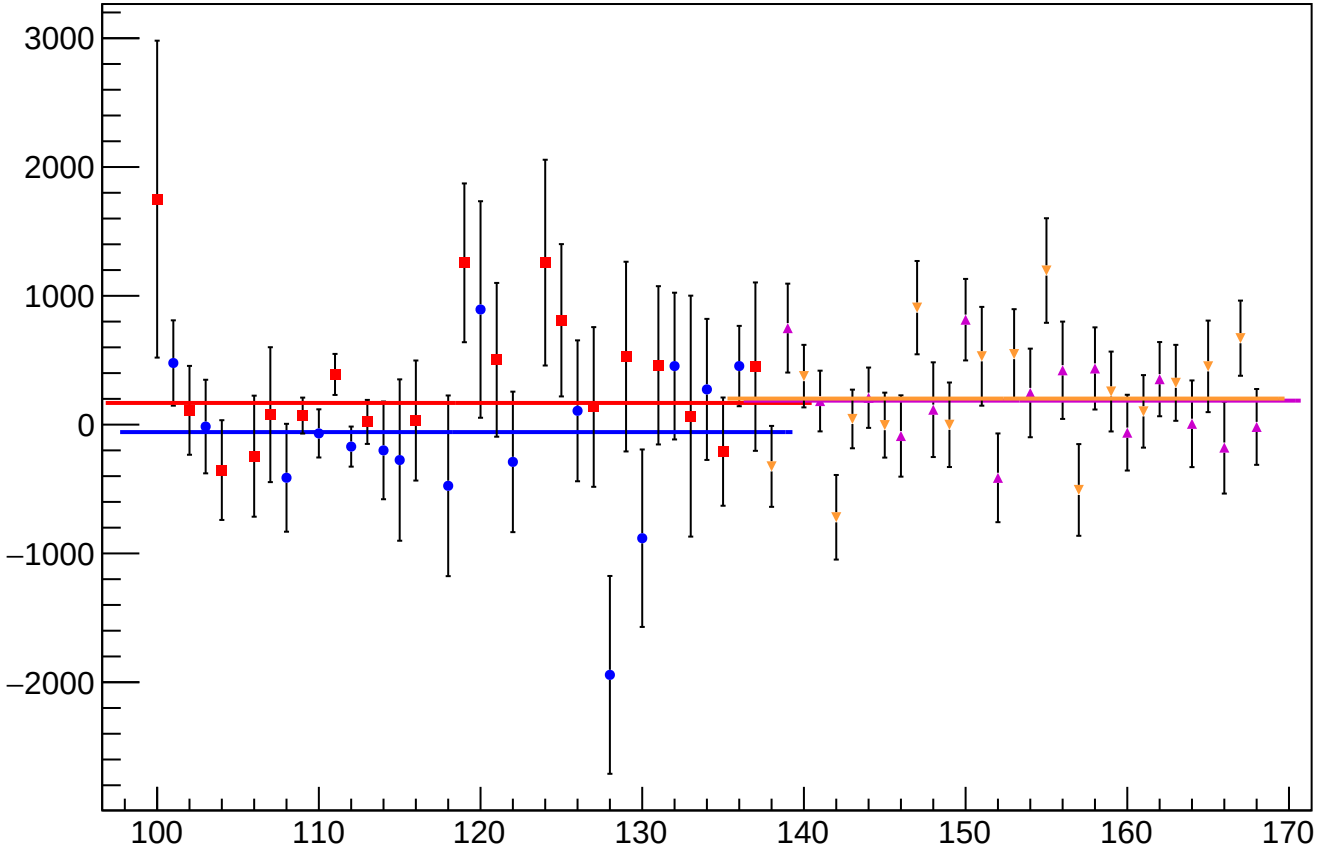
Left In: 277.340+/-0.056 χ^2/NDF:481664.9/14

+ sign 222.063+/-0.039 χ^2/NDF: 6606691.5/31

All: 209.304+/-0.026 χ^2/NDF: 15734470.9/65

- sign 198.338+/-0.036 χ^2/NDF: 8926028.6/33

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 202.193+/-76.372 χ^2/NDF:31.6/15

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

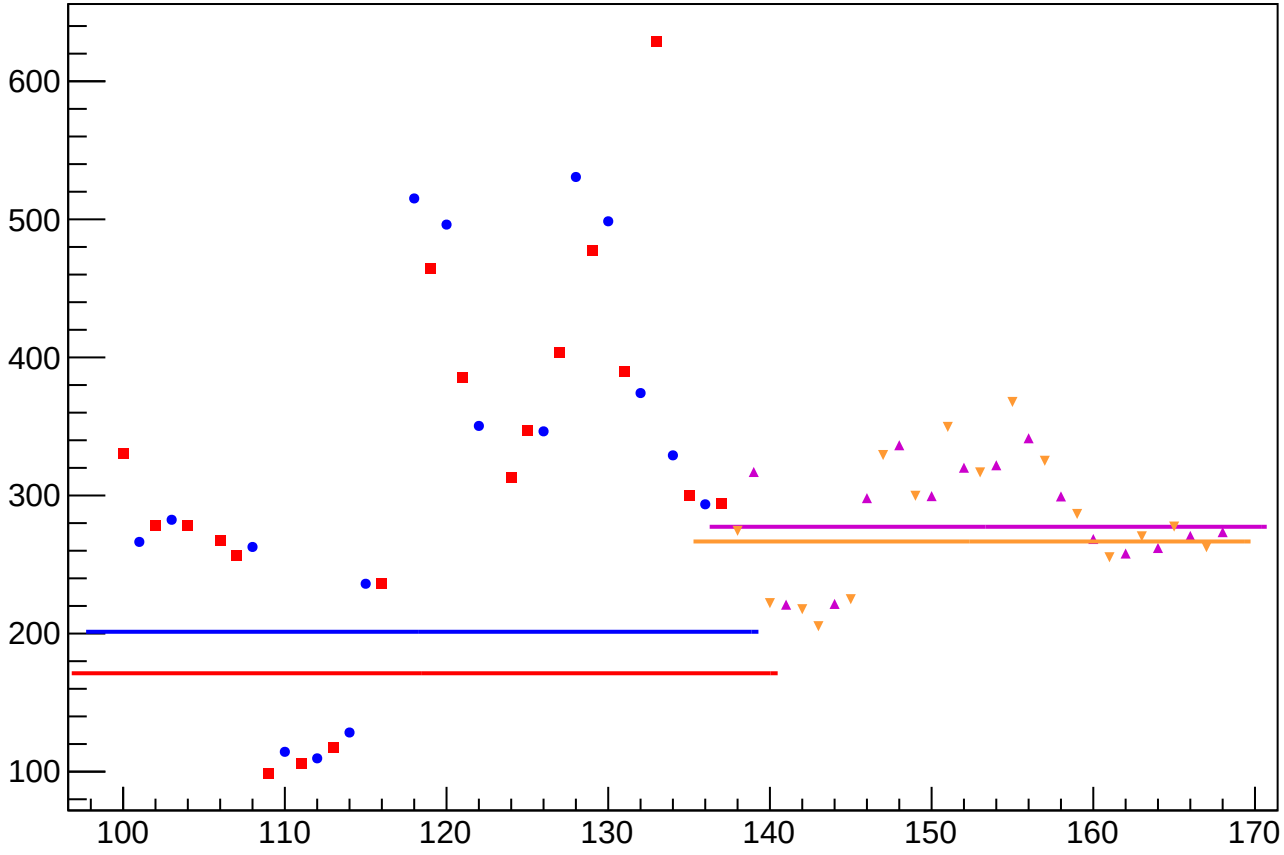
Left In: 186.212+/-79.659 χ^2/NDF:14.3/14

+ sign 88.804+/-57.364 χ^2/NDF: 54.1/31

All: 135.030+/-39.492 χ^2/NDF: 85.1/65

- sign 176.681+/-54.450 χ^2/NDF: 29.8/33

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 266.698+/-0.054 χ^2/NDF:720592.7/15

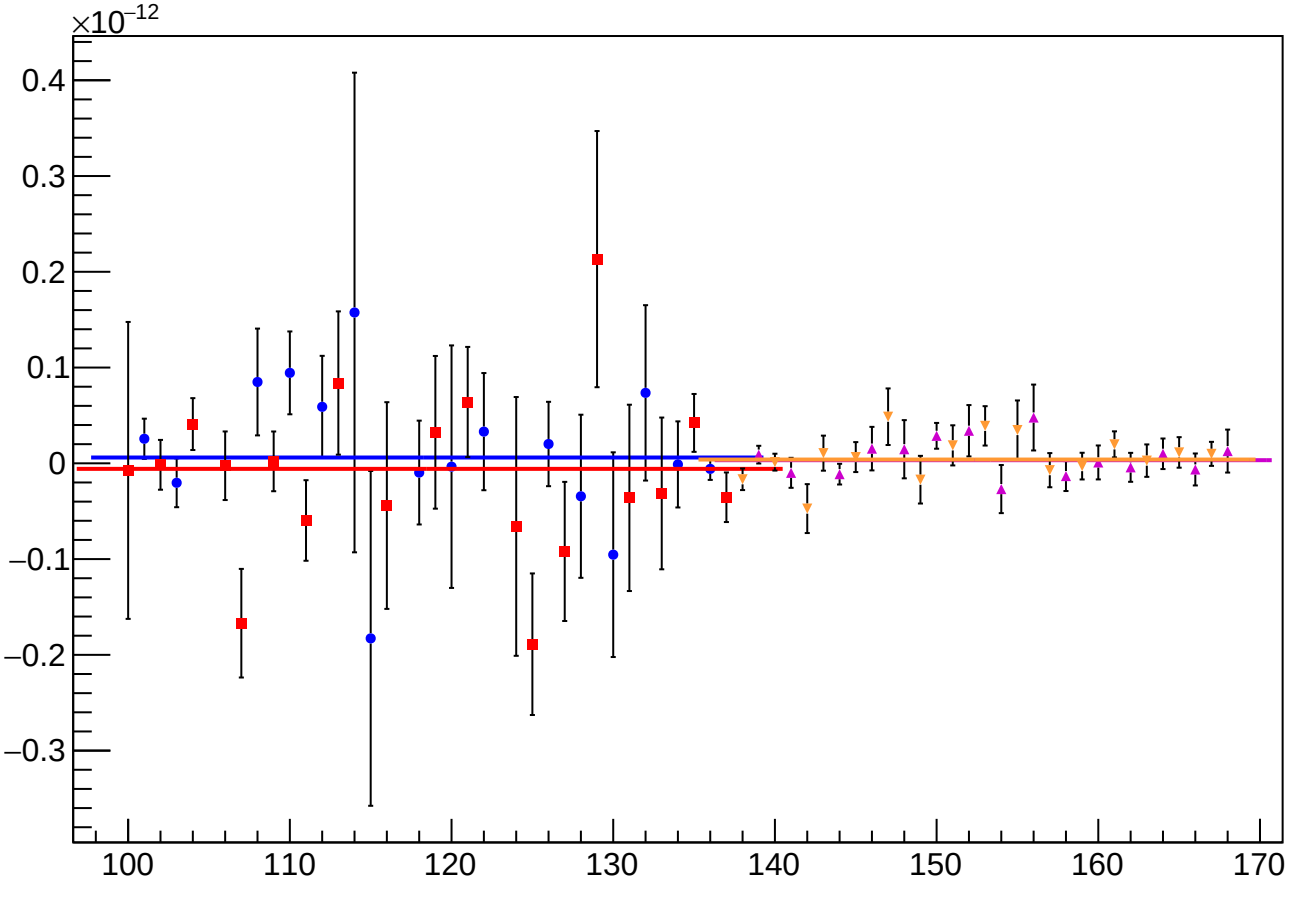
Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 277.346+/-0.056 χ^2/NDF:472534.6/14

+ sign 238.195+/-0.041 χ^2/NDF: 4931932.2/31

All: 229.056+/-0.028 χ^2/NDF: 11583651.9/65

- sign 220.822+/-0.039 χ^2/NDF: 6555210.6/33



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

Left Out: 0.000+/-0.000 χ^2/NDF:17.5/15

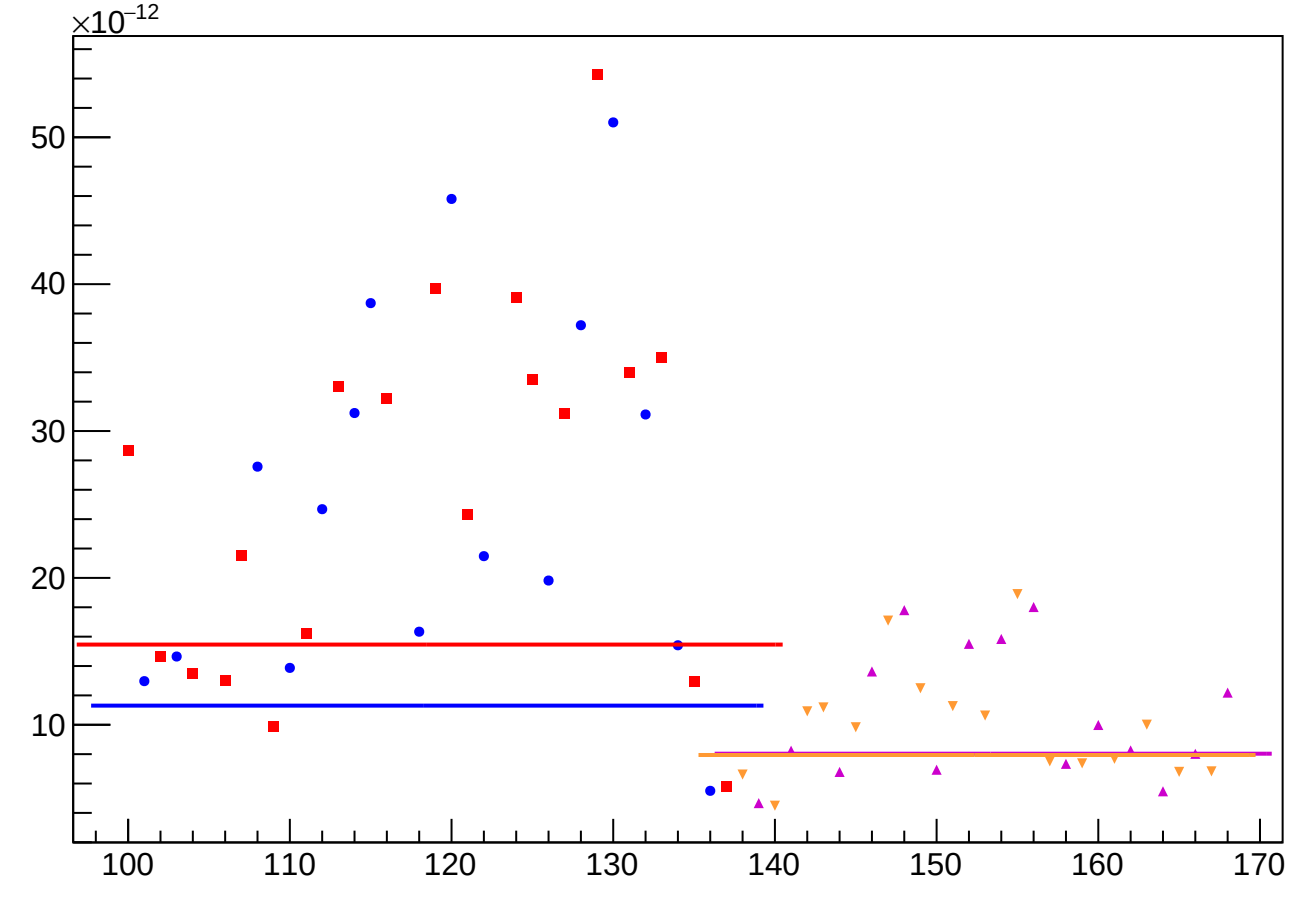
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/14

+ sign 0.000+/-0.000 χ^2/NDF: 31.3/31

All: 0.000+/-0.000 χ^2/NDF: 76.1/65

- sign 0.000+/-0.000 χ^2/NDF: 44.6/33



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1110343.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

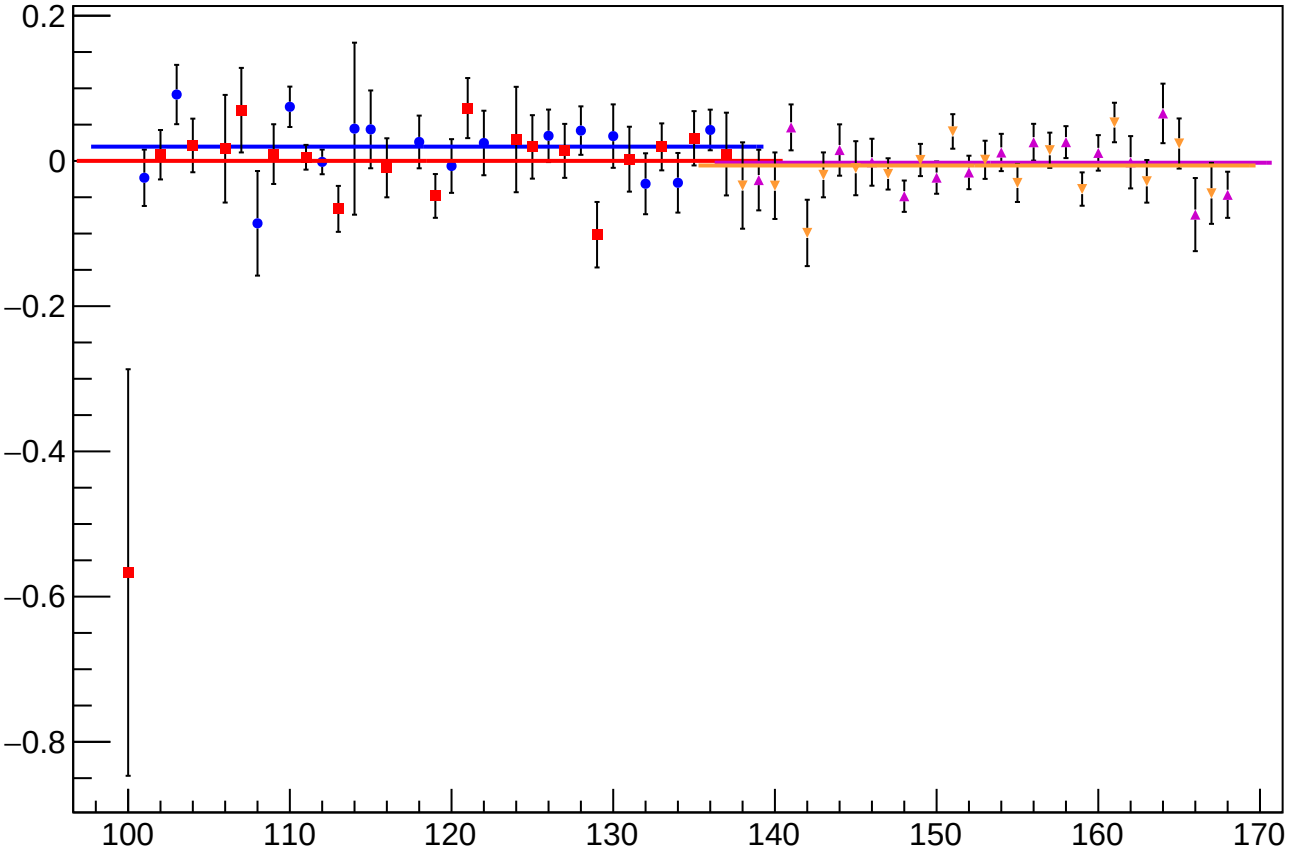
Left In: 0.000+/-0.000 χ^2/NDF:1299972.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 3169551.2/31

All: 0.000+/-0.000 χ^2/NDF: 6843449.5/65

- sign 0.000+/-0.000 χ^2/NDF: 3653194.1/33

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:19.8/15

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

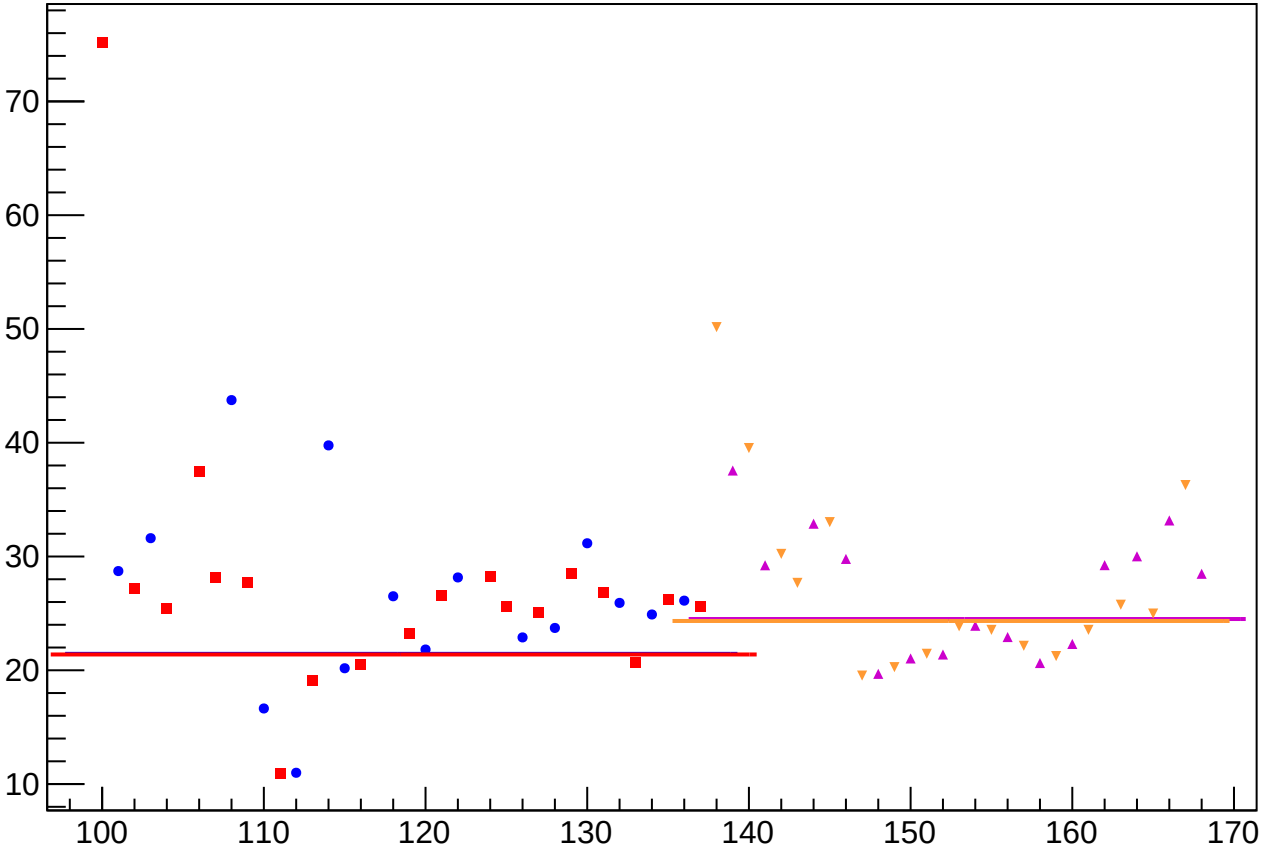
Left In: -0.002+/-0.007 χ^2/NDF:18.9/14

+ sign 0.004+/-0.006 χ^2/NDF: 42.1/31

All: 0.001+/-0.004 χ^2/NDF: 84.4/65

- sign -0.001+/-0.006 χ^2/NDF: 41.8/33

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.334+/-0.005 χ^2/NDF:1182033.6/15

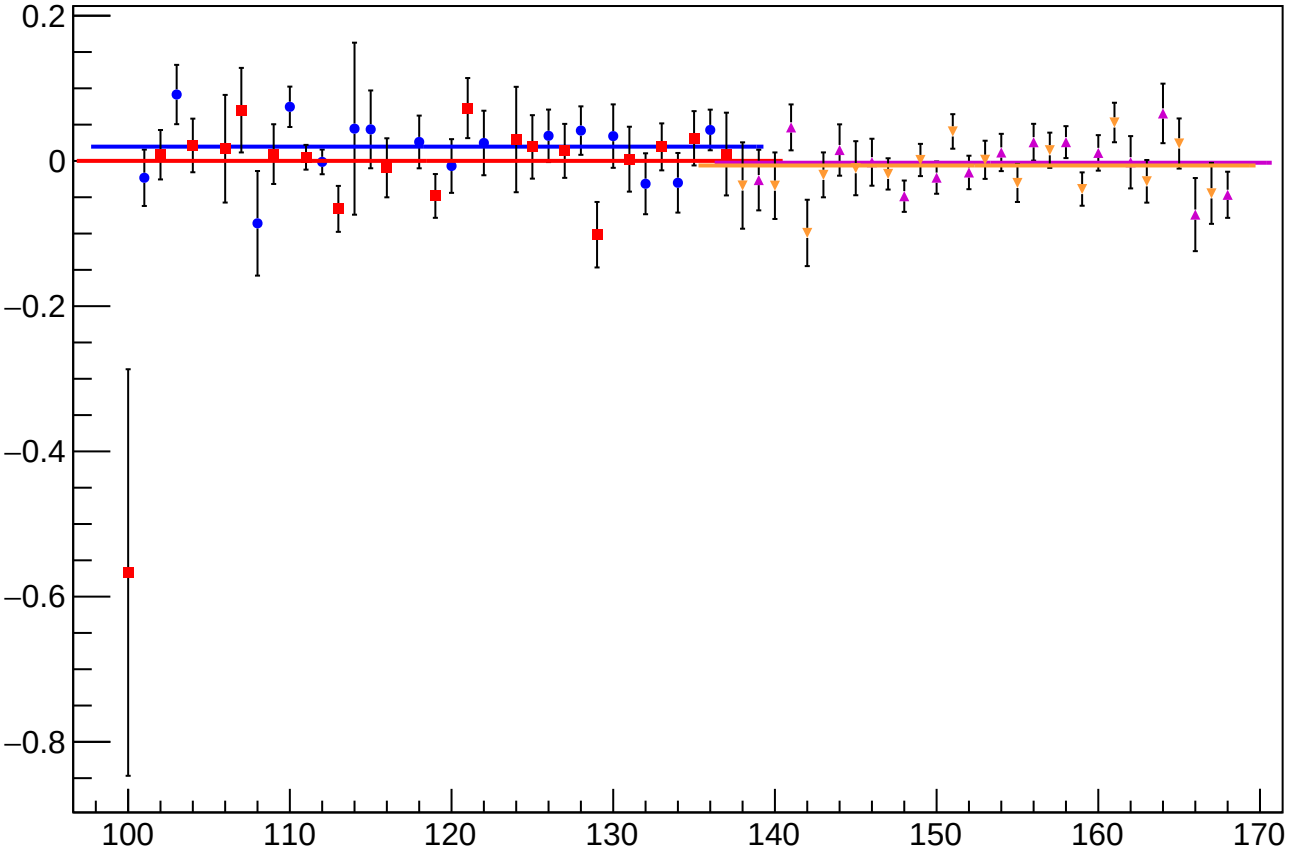
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.506+/-0.005 χ^2/NDF:838651.2/14

+ sign 23.160+/-0.004 χ^2/NDF: 2854256.1/31

All: 23.176+/-0.003 χ^2/NDF: 5160113.1/65

- sign 23.192+/-0.004 χ^2/NDF: 2305823.8/33



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:19.8/15

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

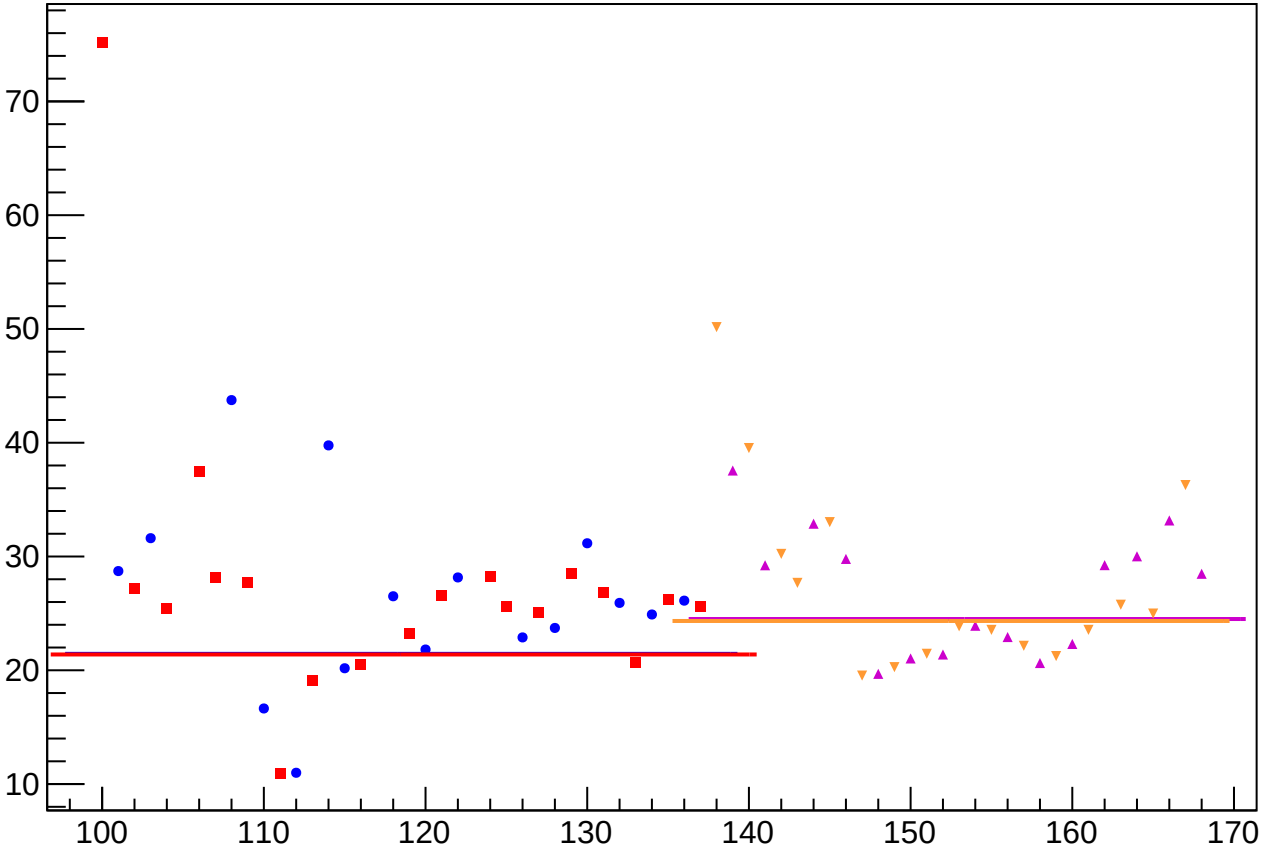
Left In: -0.002+/-0.007 χ^2/NDF:18.9/14

+ sign 0.004+/-0.006 χ^2/NDF: 42.1/31

All: 0.001+/-0.004 χ^2/NDF: 84.4/65

- sign -0.001+/-0.006 χ^2/NDF: 41.8/33

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.334+/-0.005 χ^2/NDF:1182033.6/15

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

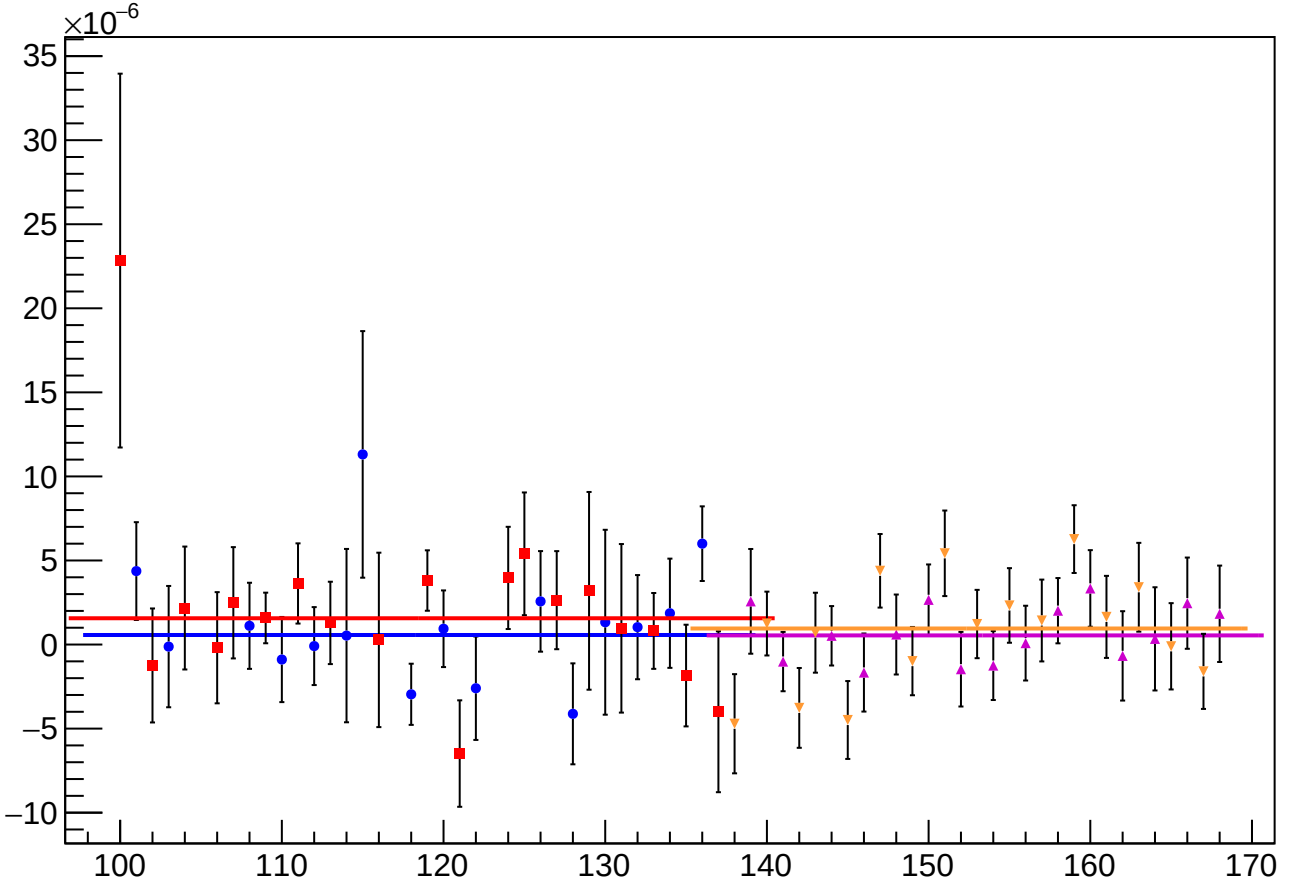
Left In: 24.506+/-0.005 χ^2/NDF:838651.2/14

+ sign 23.160+/-0.004 χ^2/NDF: 2854256.1/31

All: 23.176+/-0.003 χ^2/NDF: 5160113.1/65

- sign 23.192+/-0.004 χ^2/NDF: 2305823.8/33

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:29.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

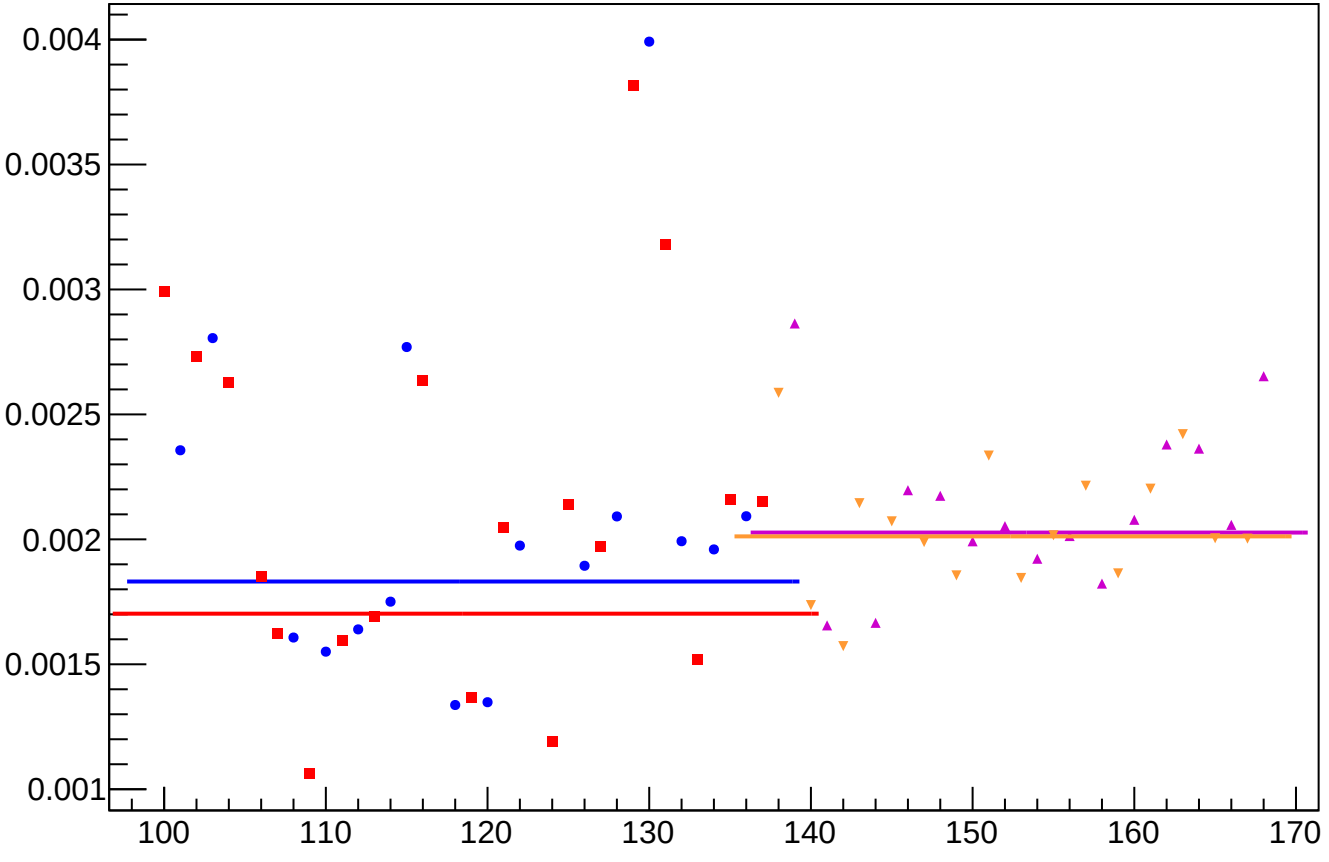
Left In: 0.000+/-0.000 χ^2/NDF:7.7/14

+ sign 0.000+/-0.000 χ^2/NDF: 47.9/31

All: 0.000+/-0.000 χ^2/NDF: 75.4/65

- sign 0.000+/-0.000 χ^2/NDF: 27.3/33

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:336607.8/15

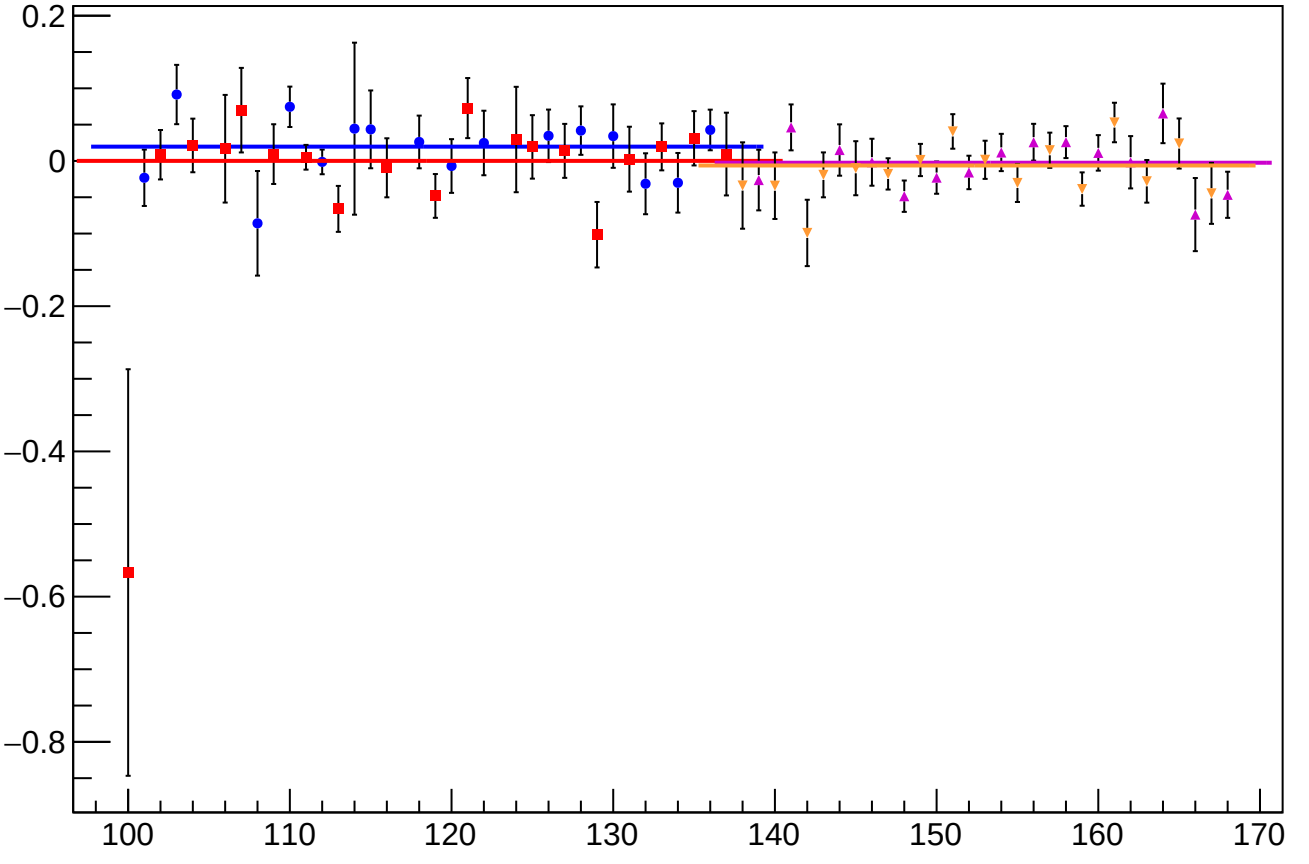
Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:518782.6/14

+ sign 0.002+/-0.000 χ^2/NDF: 1316017.3/31

All: 0.002+/-0.000 χ^2/NDF: 3600998.3/65

- sign 0.002+/-0.000 χ^2/NDF: 2268890.9/33



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:19.8/15

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

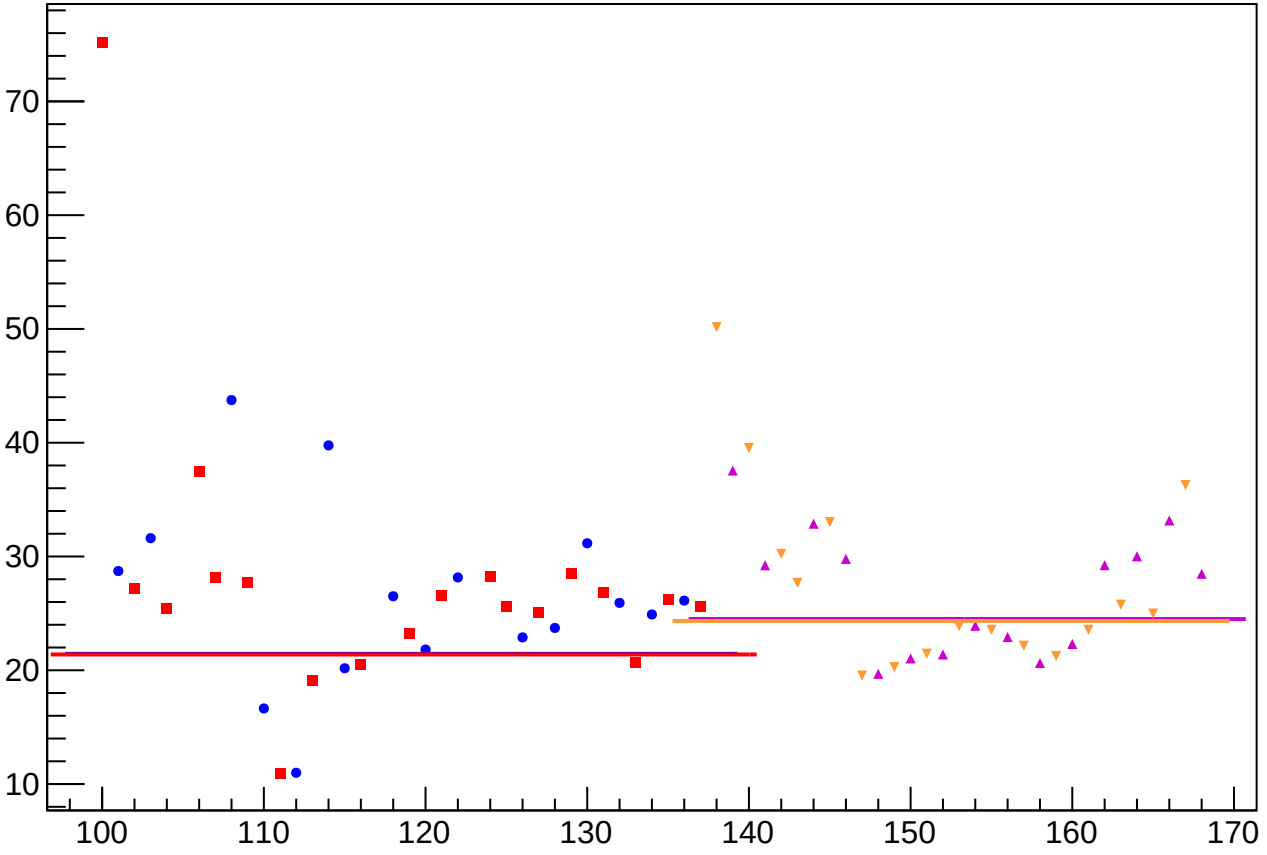
Left In: -0.002+/-0.007 χ^2/NDF:18.9/14

+ sign 0.004+/-0.006 χ^2/NDF: 42.1/31

All: 0.001+/-0.004 χ^2/NDF: 84.4/65

- sign -0.001+/-0.006 χ^2/NDF: 41.8/33

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.334+/-0.005 χ^2/NDF:1182033.9/15

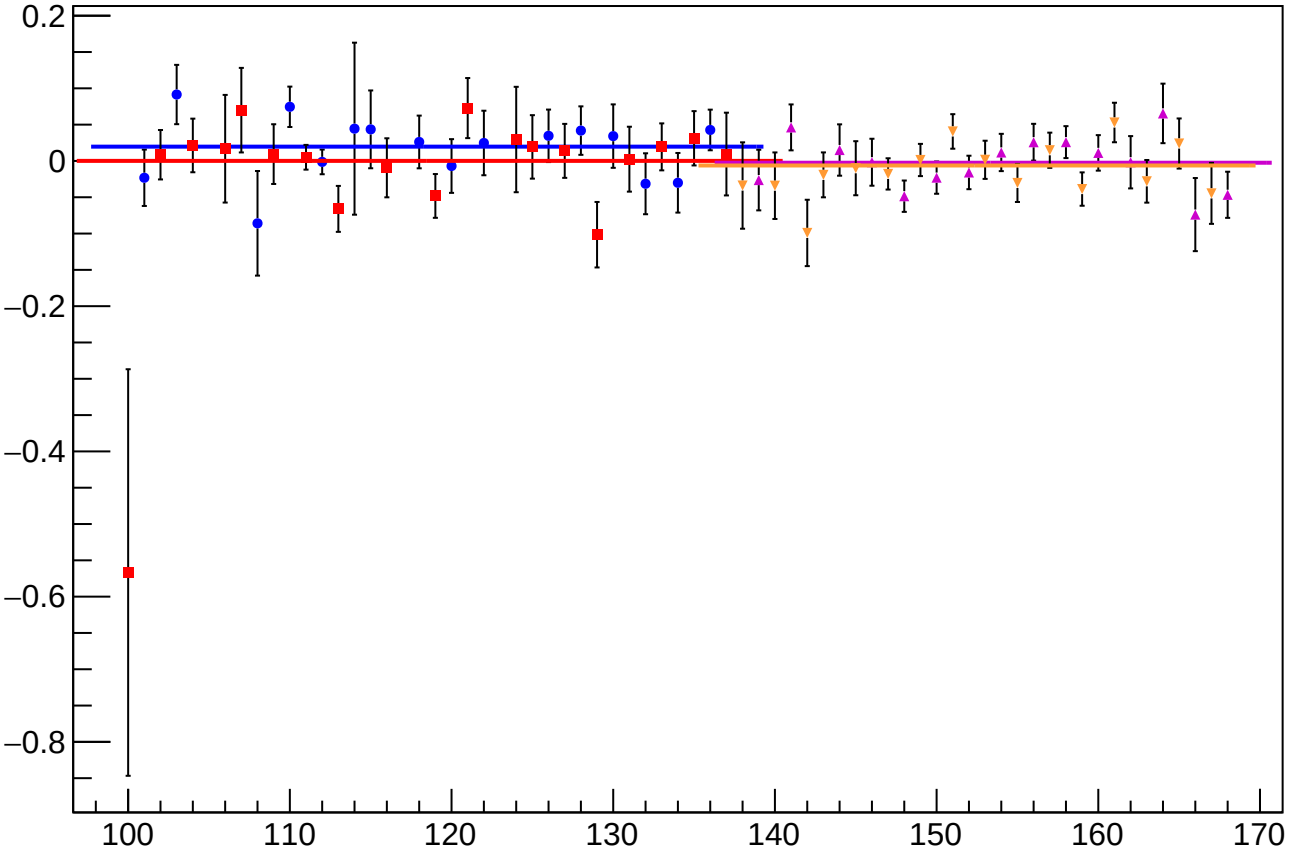
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.506+/-0.005 χ^2/NDF:838654.0/14

+ sign 23.160+/-0.004 χ^2/NDF: 2854477.1/31

All: 23.175+/-0.003 χ^2/NDF: 5160539.6/65

- sign 23.191+/-0.004 χ^2/NDF: 2306029.2/33



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:19.8/15

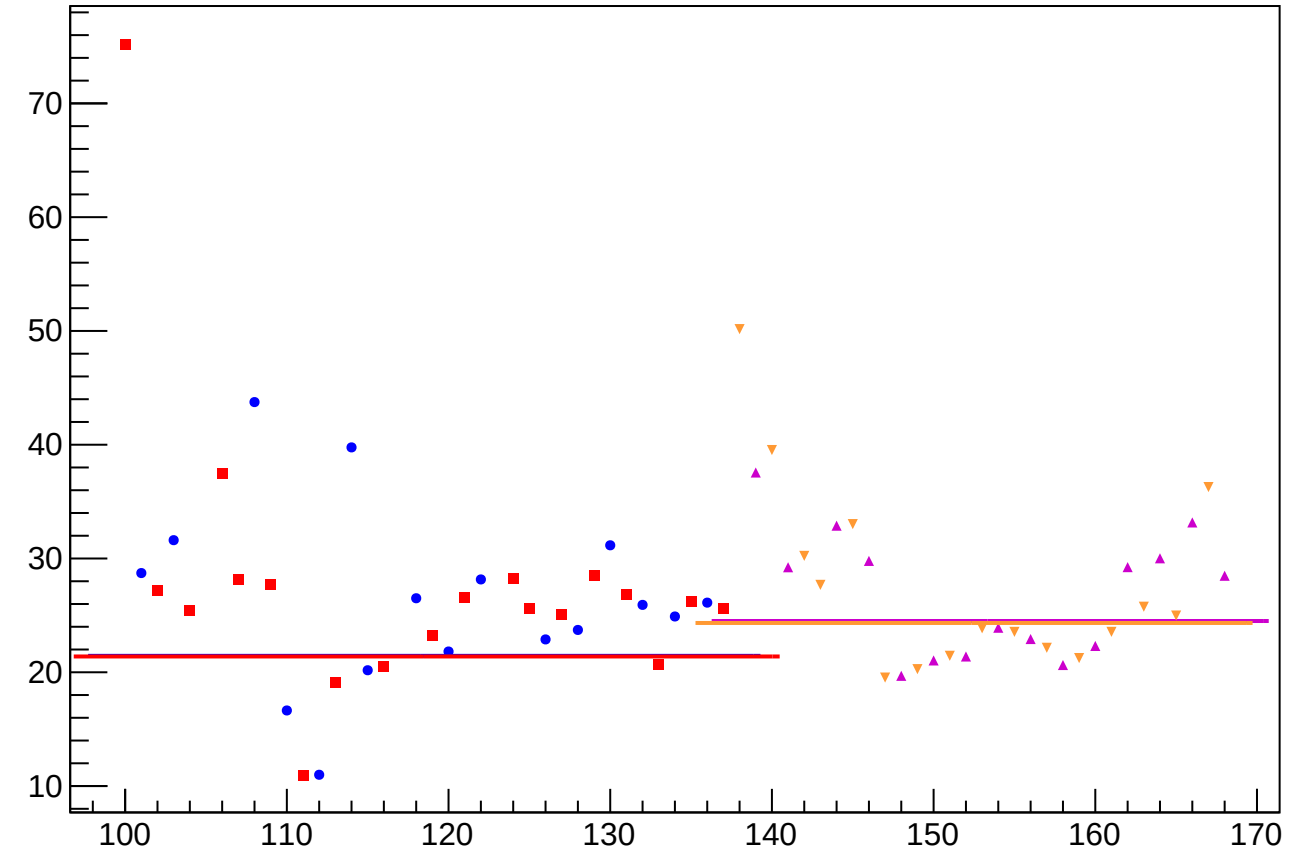
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.002+/-0.007 χ^2/NDF:18.9/14

+ sign 0.004+/-0.006 χ^2/NDF: 42.1/31

All: 0.001+/-0.004 χ^2/NDF: 84.4/65

- sign -0.001+/-0.006 χ^2/NDF: 41.8/33



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.334+/-0.005 χ^2/NDF:1182033.9/15

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

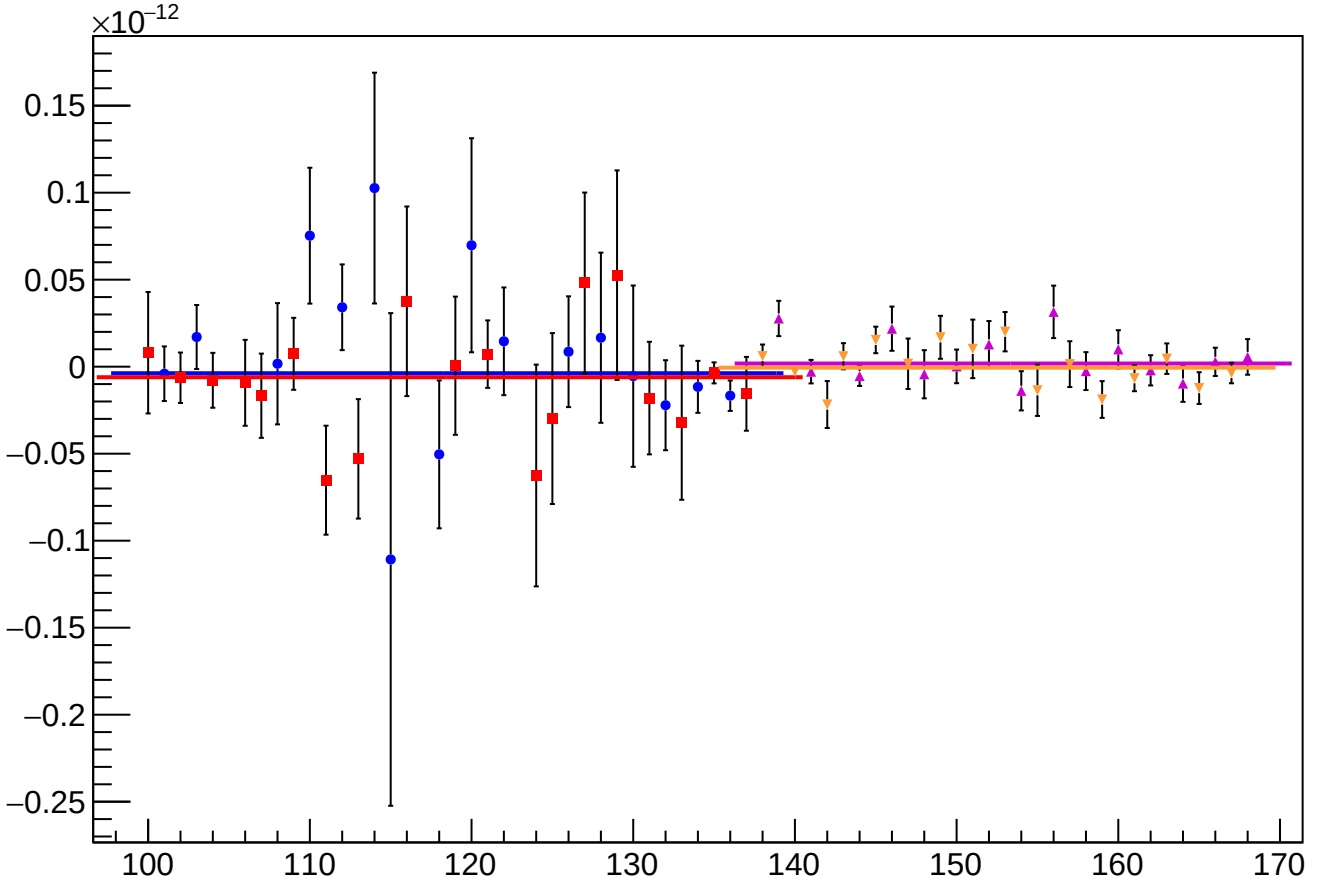
Left In: 24.506+/-0.005 χ^2/NDF:838654.0/14

+ sign 23.160+/-0.004 χ^2/NDF: 2854477.1/31

All: 23.175+/-0.003 χ^2/NDF: 5160539.6/65

- sign 23.191+/-0.004 χ^2/NDF: 2306029.2/33

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

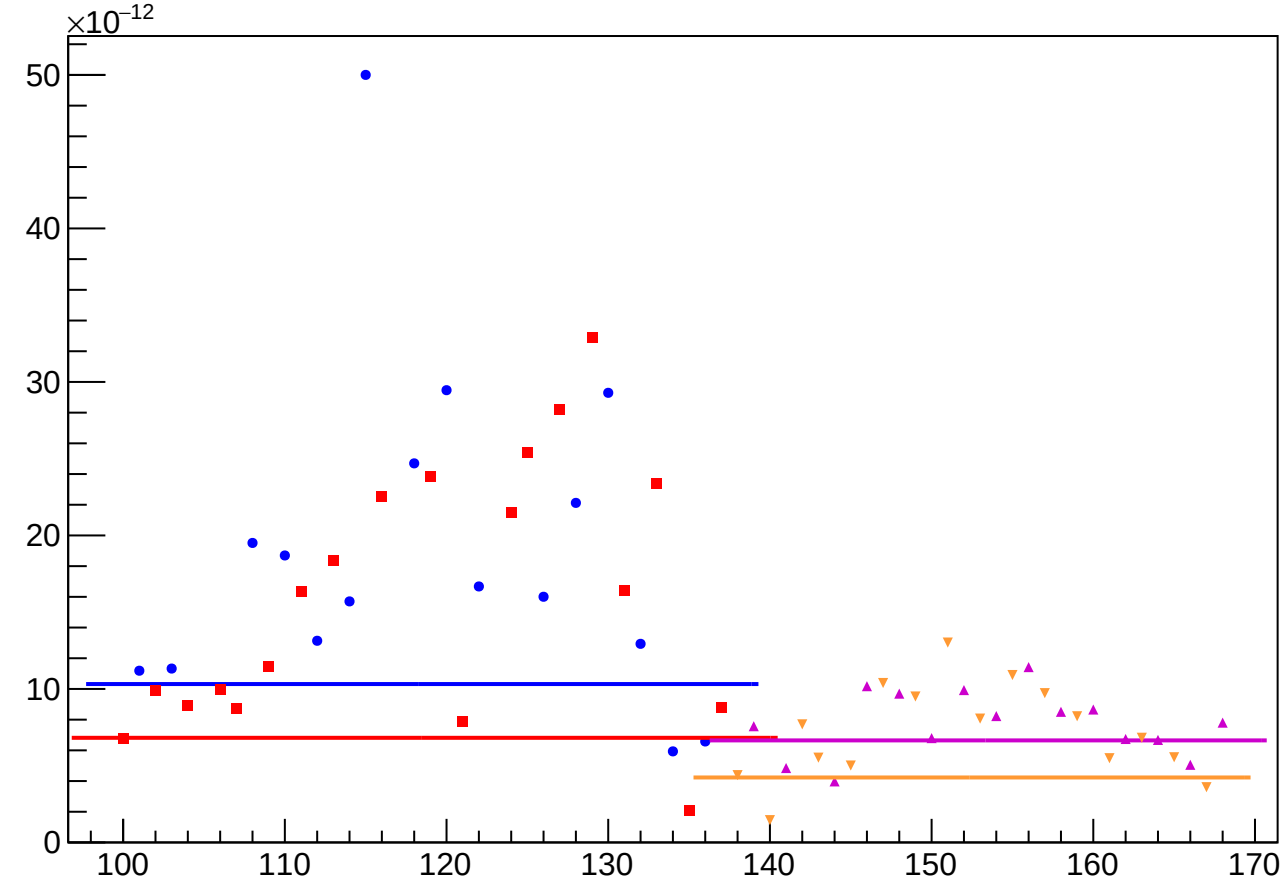
Left In: 0.000+/-0.000 χ^2/NDF:20.0/14

+ sign -0.000+/-0.000 χ^2/NDF: 39.2/31

All: -0.000+/-0.000 χ^2/NDF: 73.1/65

- sign -0.000+/-0.000 χ^2/NDF: 33.8/33

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:4918839.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

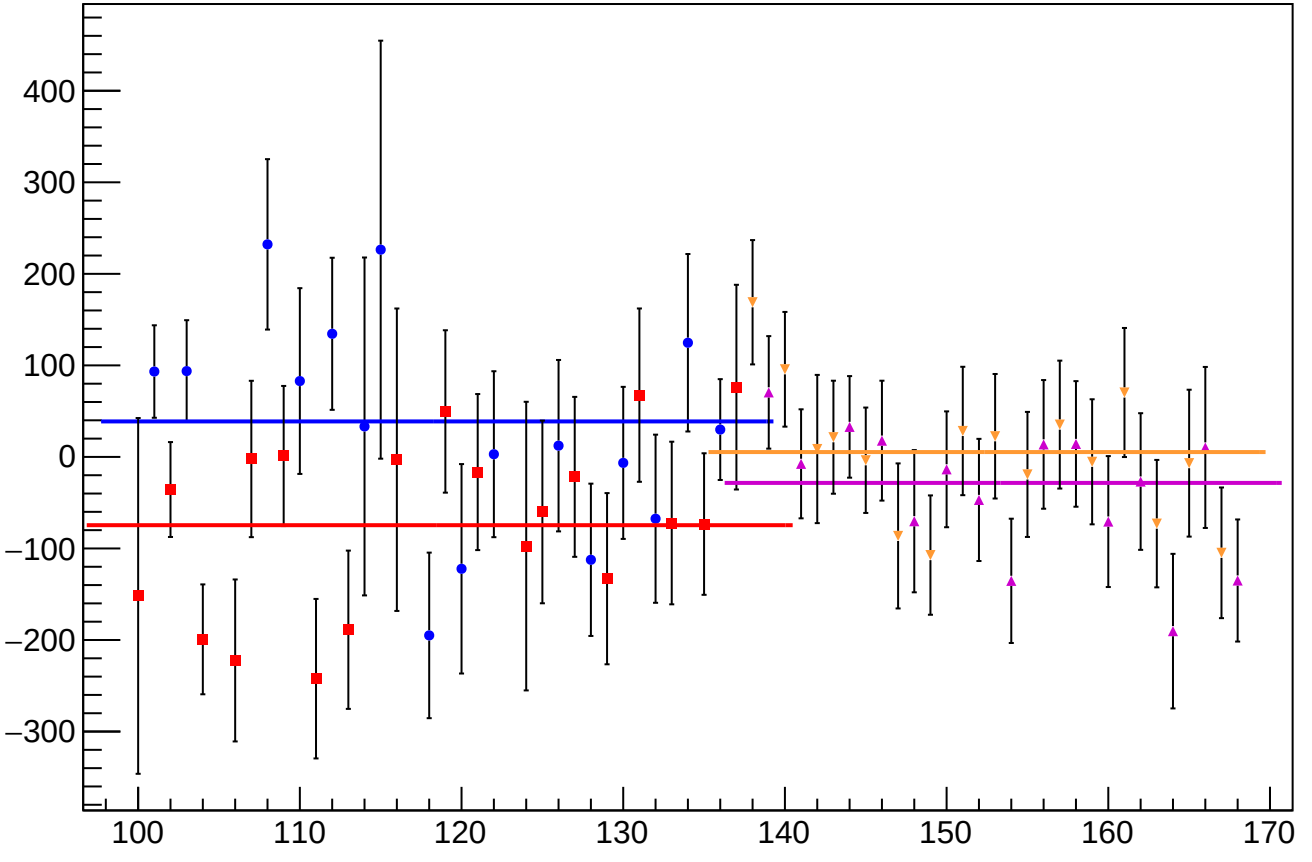
Left In: 0.000+/-0.000 χ^2/NDF:1433553.7/14

+ sign 0.000+/-0.000 χ^2/NDF: 9075959.6/31

All: 0.000+/-0.000 χ^2/NDF: 15431425.3/65

- sign 0.000+/-0.000 χ^2/NDF: 5457655.0/33

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 5.311+/-17.162 χ^2/NDF:17.3/15

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

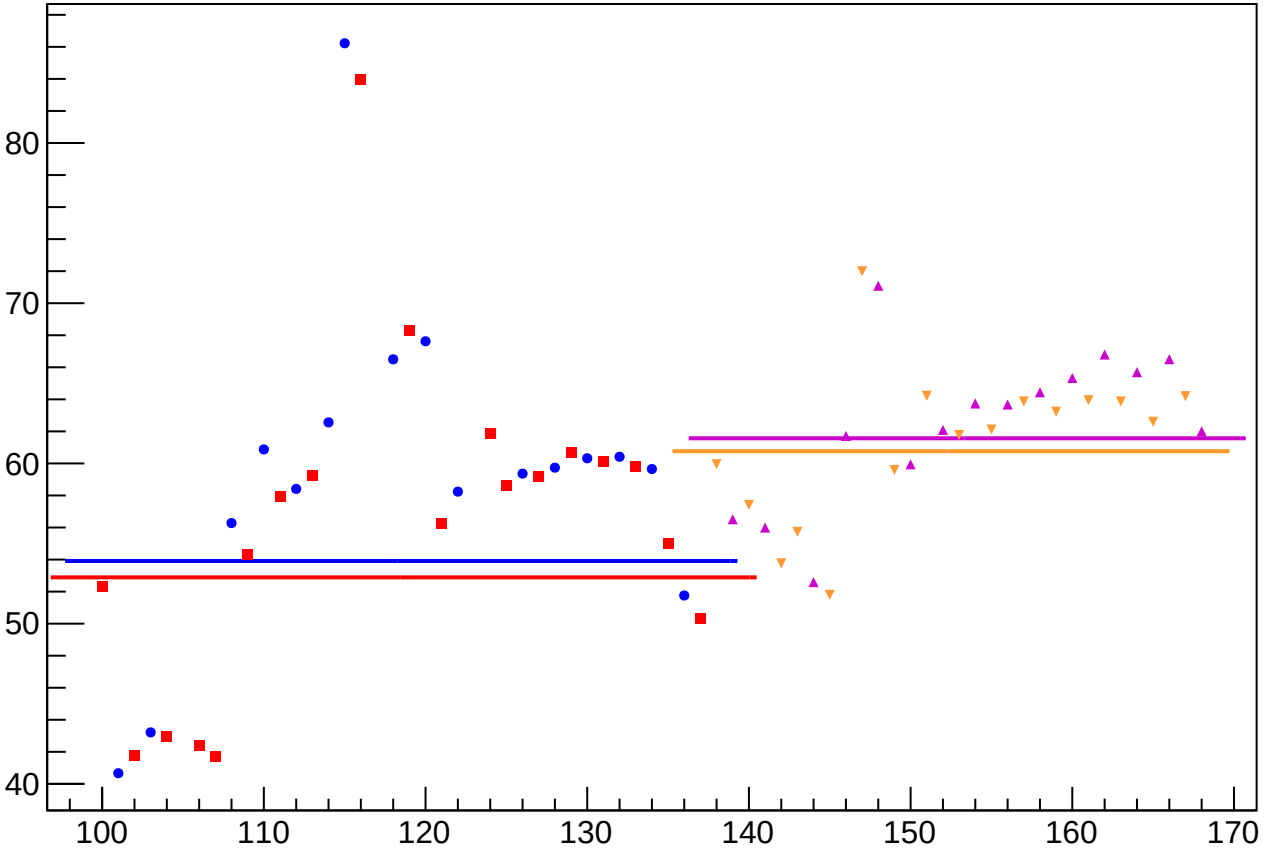
Left In: -28.389+/-17.552 χ^2/NDF:14.9/14

+ sign 19.173+/-13.136 χ^2/NDF: 42.2/31

All: -14.774+/-9.288 χ^2/NDF: 95.9/65

- sign -48.712+/-13.135 χ^2/NDF: 40.4/33

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 60.765+/-0.012 χ^2/NDF:149915.6/15

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

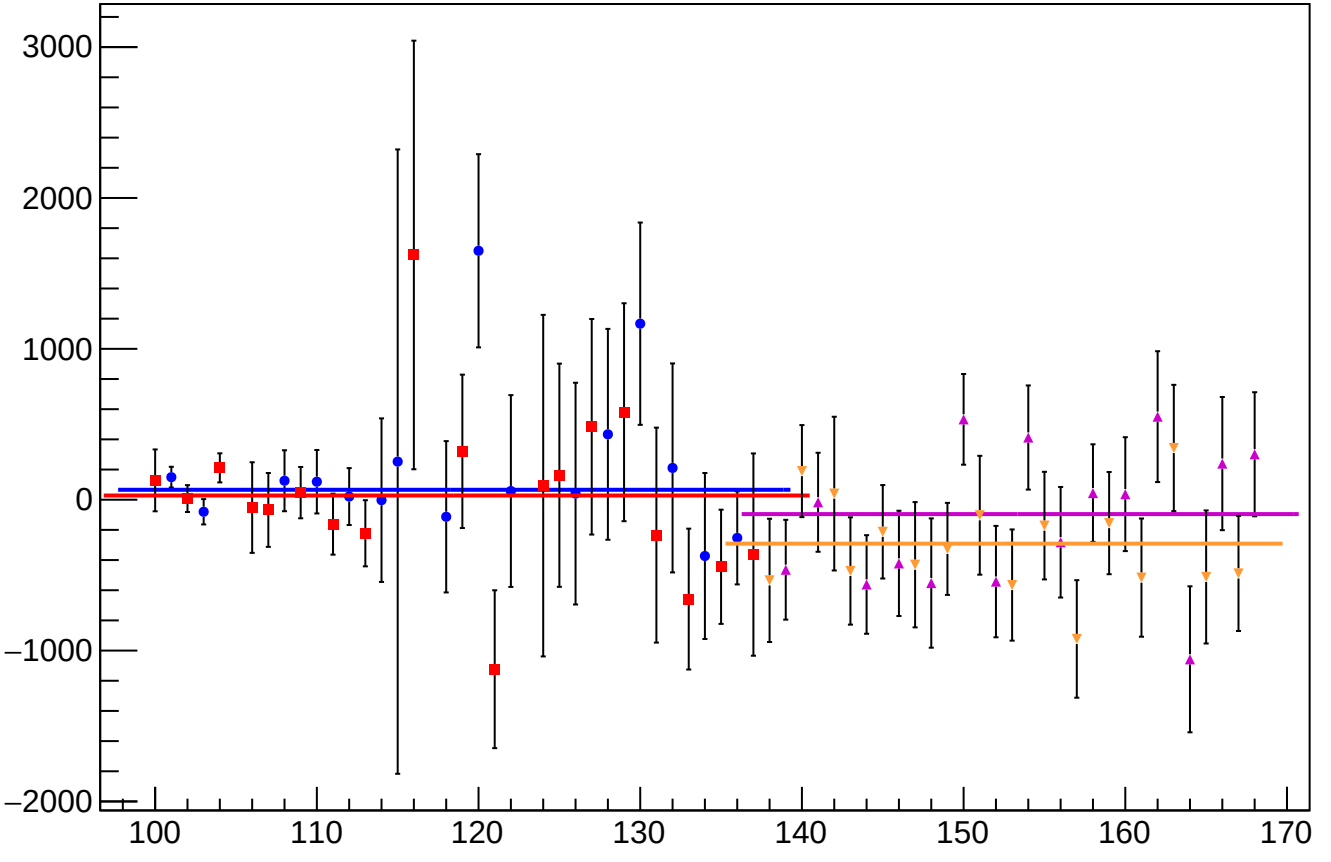
Left In: 61.569+/-0.012 χ^2/NDF:148738.8/14

+ sign 57.927+/-0.009 χ^2/NDF: 675218.1/31

All: 57.838+/-0.007 χ^2/NDF: 1464578.9/65

- sign 57.750+/-0.009 χ^2/NDF: 789179.2/33

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -291.169+/-92.575 χ^2/NDF:10.5/15

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

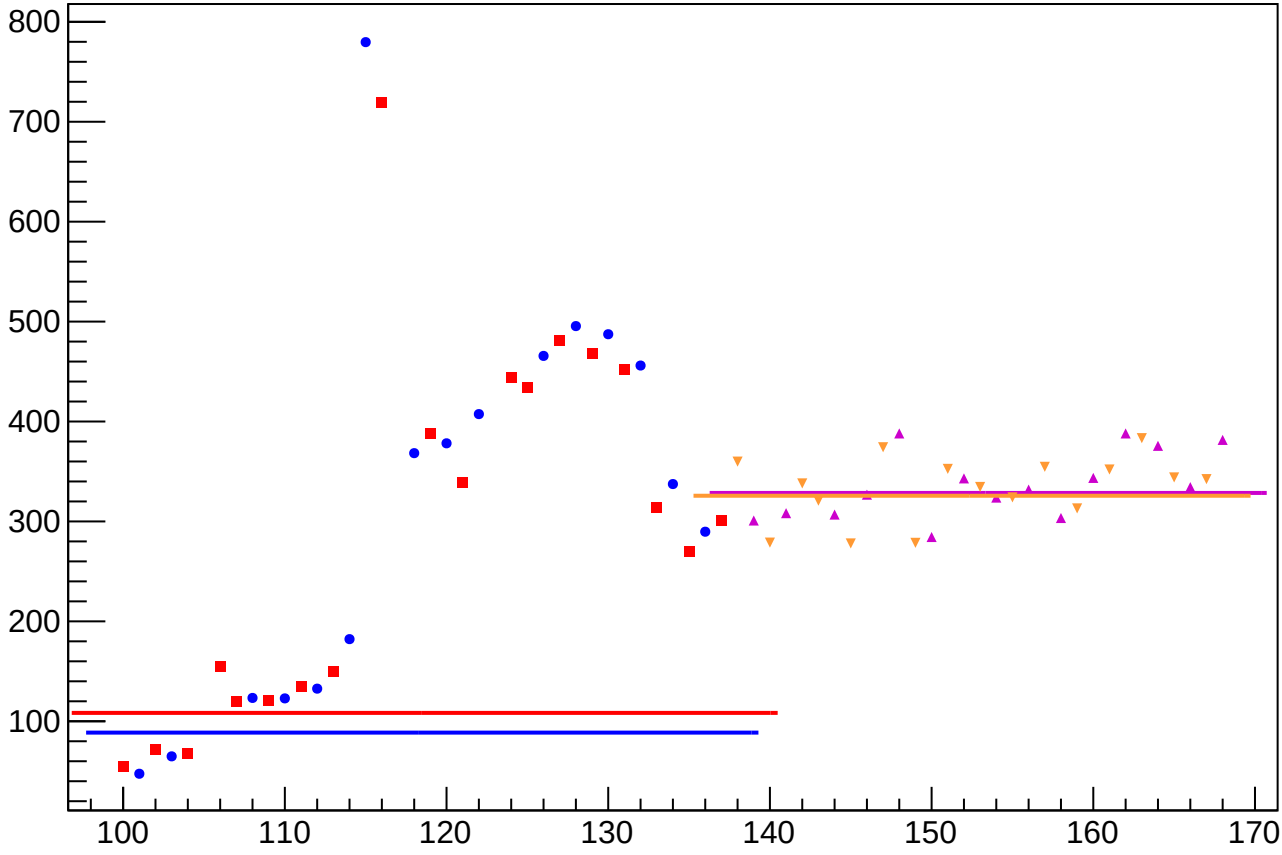
Left In: -95.310+/-94.106 χ^2/NDF:21.6/14

+ sign -6.023+/-41.537 χ^2/NDF: 38.1/31

All: -2.980+/-30.318 χ^2/NDF: 79.1/65

- sign 0.490+/-44.355 χ^2/NDF: 40.9/33

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 325.713+/-0.065 χ^2/NDF:263905.7/15

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

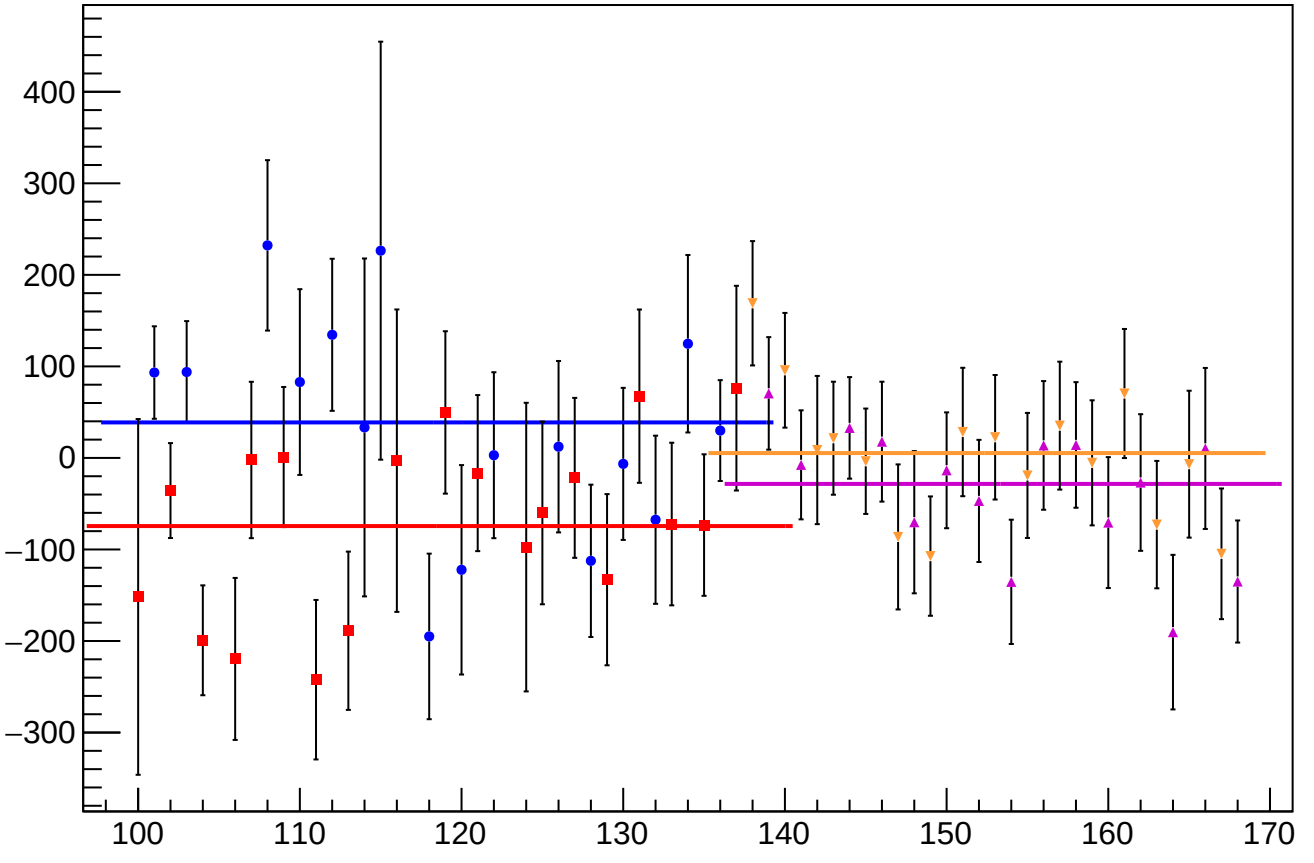
Left In: 328.520+/-0.067 χ^2/NDF:221277.6/14

+ sign 136.382+/-0.029 χ^2/NDF: 17386047.3/31

All: 146.150+/-0.021 χ^2/NDF: 31719592.1/65

- sign 157.288+/-0.031 χ^2/NDF: 14096828.4/33

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 5.313+/-17.162 χ^2/NDF:17.3/15

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

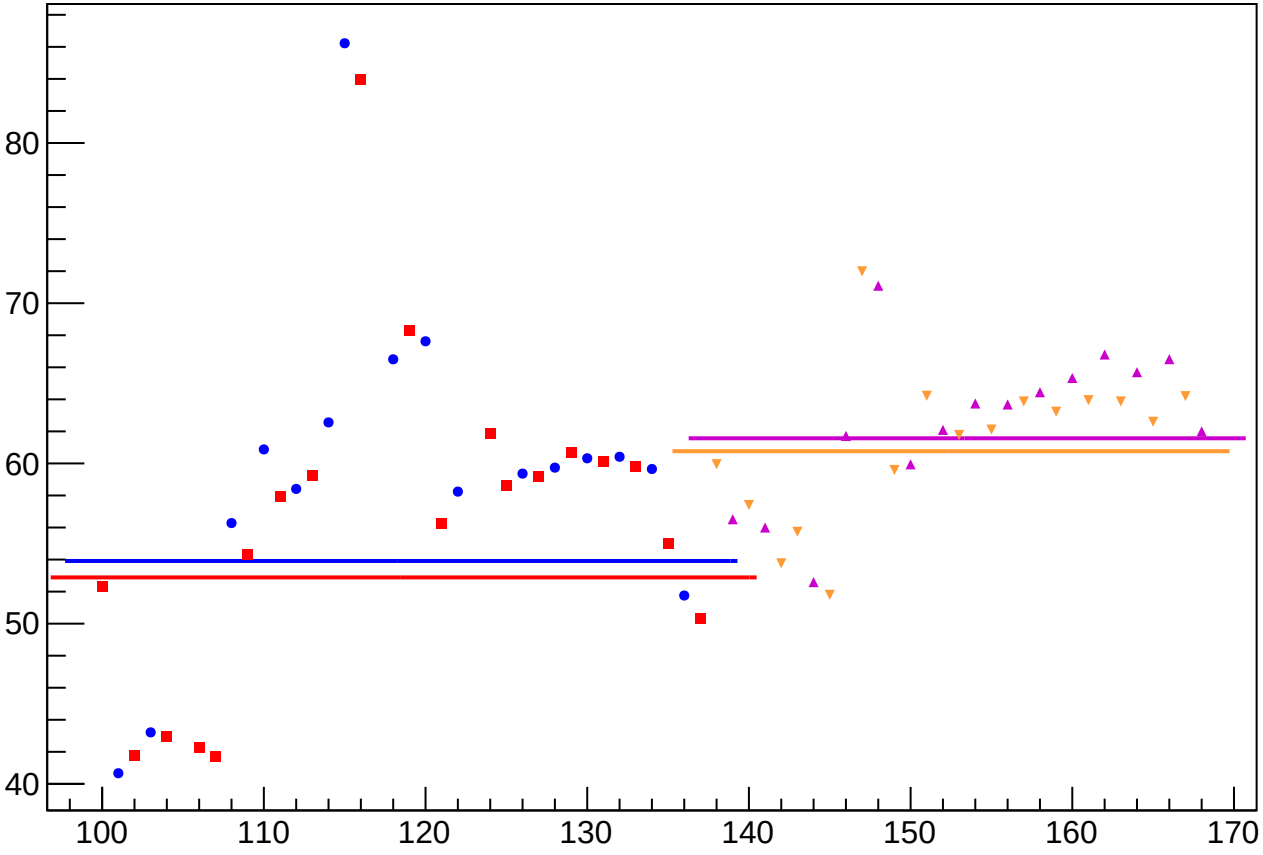
Left In: -28.387+/-17.552 χ^2/NDF:14.9/14

+ sign 19.178+/-13.136 χ^2/NDF: 42.2/31

All: -14.739+/-9.288 χ^2/NDF: 95.8/65

- sign -48.650+/-13.135 χ^2/NDF: 40.2/33

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.765+/-0.012 χ^2/NDF:149915.6/15

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

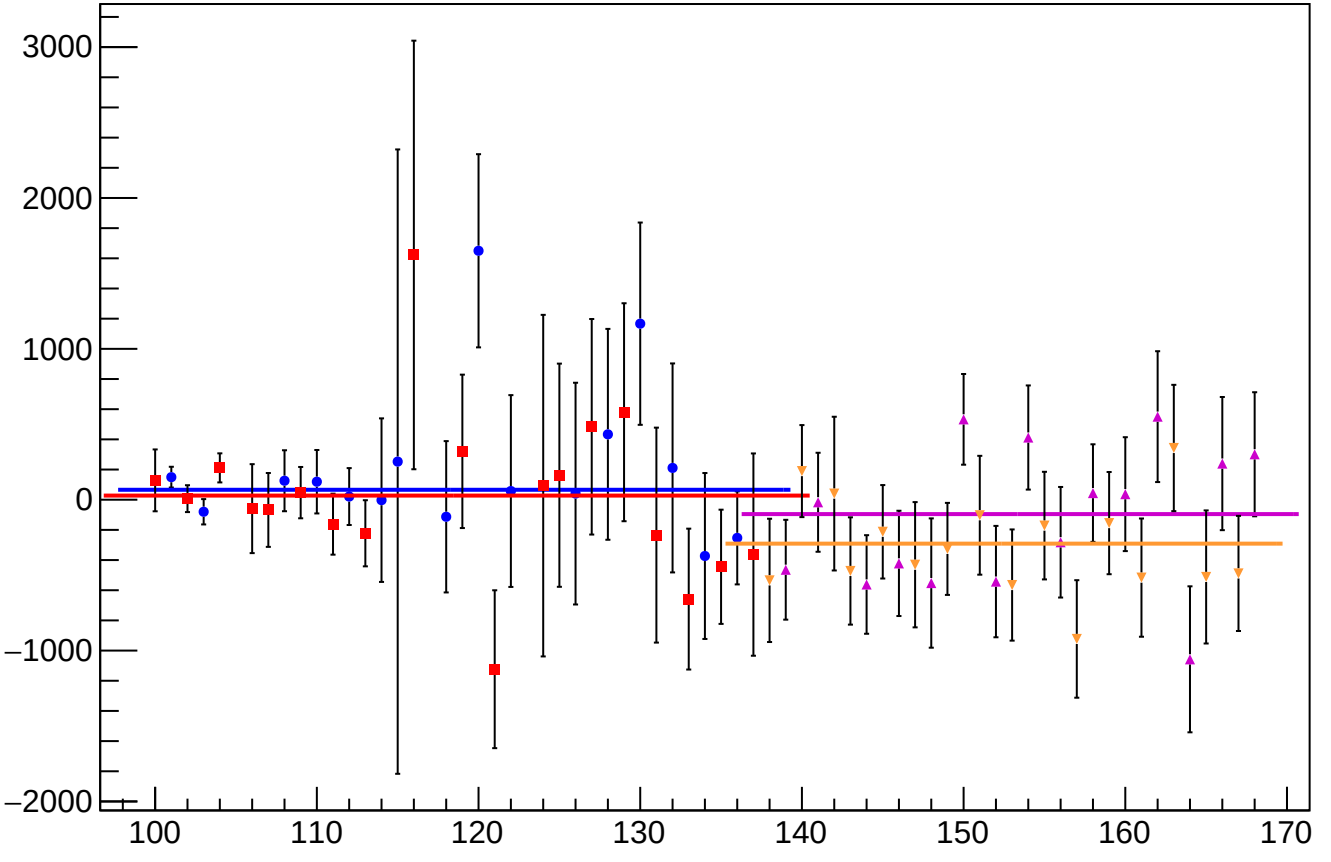
Left In: 61.569+/-0.012 χ^2/NDF:148738.8/14

+ sign 57.927+/-0.009 χ^2/NDF: 675217.2/31

All: 57.838+/-0.007 χ^2/NDF: 1464981.2/65

- sign 57.749+/-0.009 χ^2/NDF: 789581.1/33

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -291.167+/-92.575 χ^2/NDF:10.5/15

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

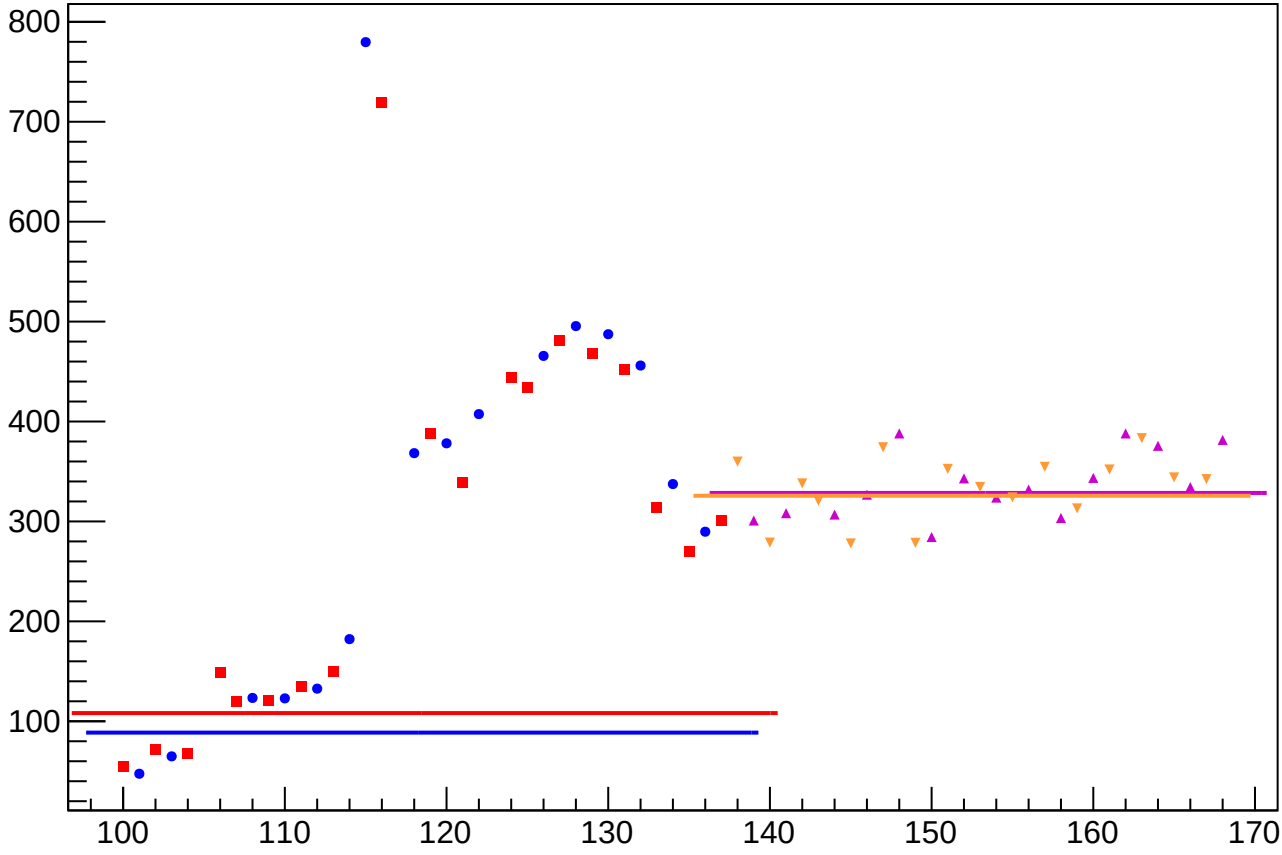
Left In: -95.310+/-94.106 χ^2/NDF:21.6/14

+ sign -6.017+/-41.537 χ^2/NDF: 38.1/31

All: -3.120+/-30.309 χ^2/NDF: 79.1/65

- sign 0.180+/-44.325 χ^2/NDF: 40.9/33

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 325.713+/-0.065 χ^2/NDF:263904.5/15

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

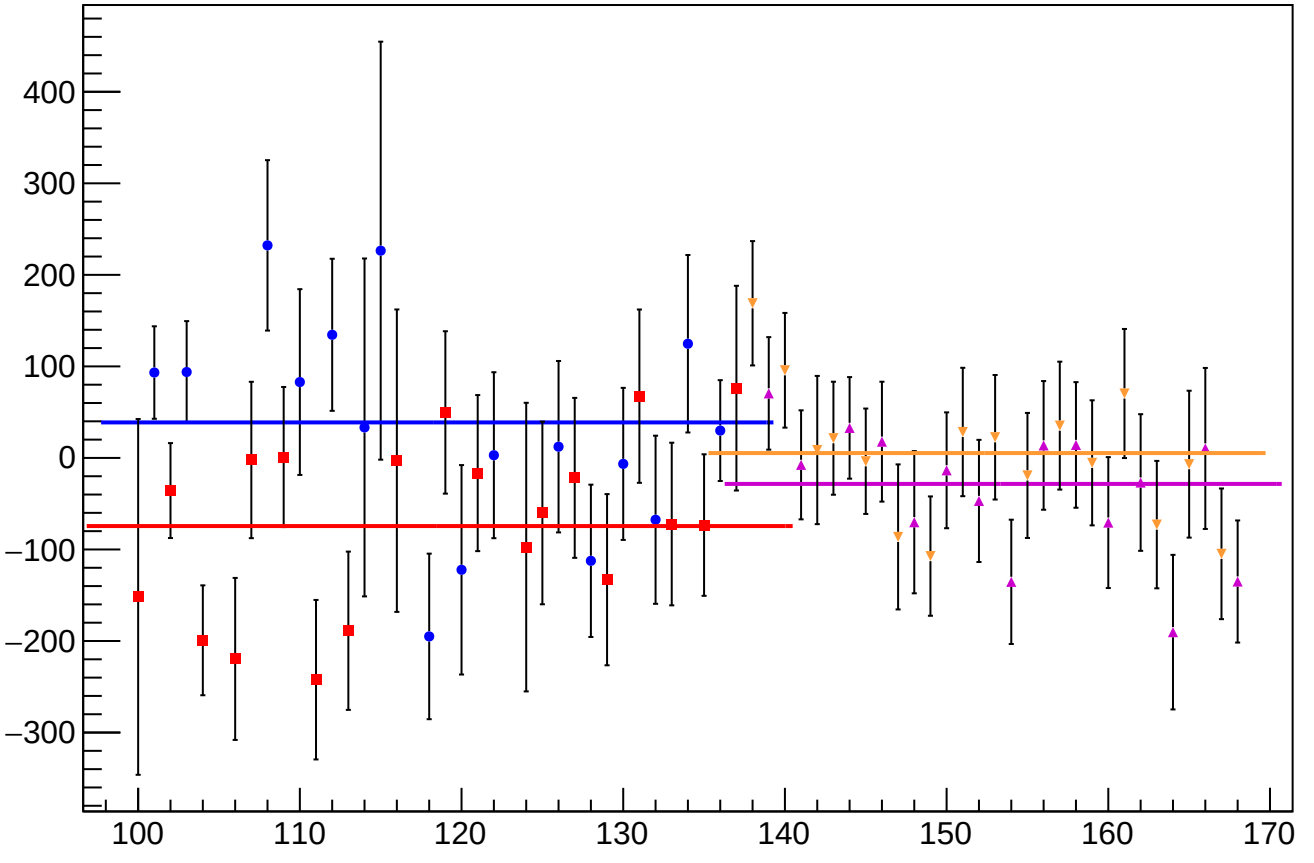
Left In: 328.520+/-0.067 χ^2/NDF:221282.9/14

+ sign 136.378+/-0.029 χ^2/NDF: 17386445.9/31

All: 146.060+/-0.021 χ^2/NDF: 31724711.6/65

- sign 157.085+/-0.031 χ^2/NDF: 14105888.2/33

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 5.313+/-17.162 χ^2/NDF:17.3/15

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

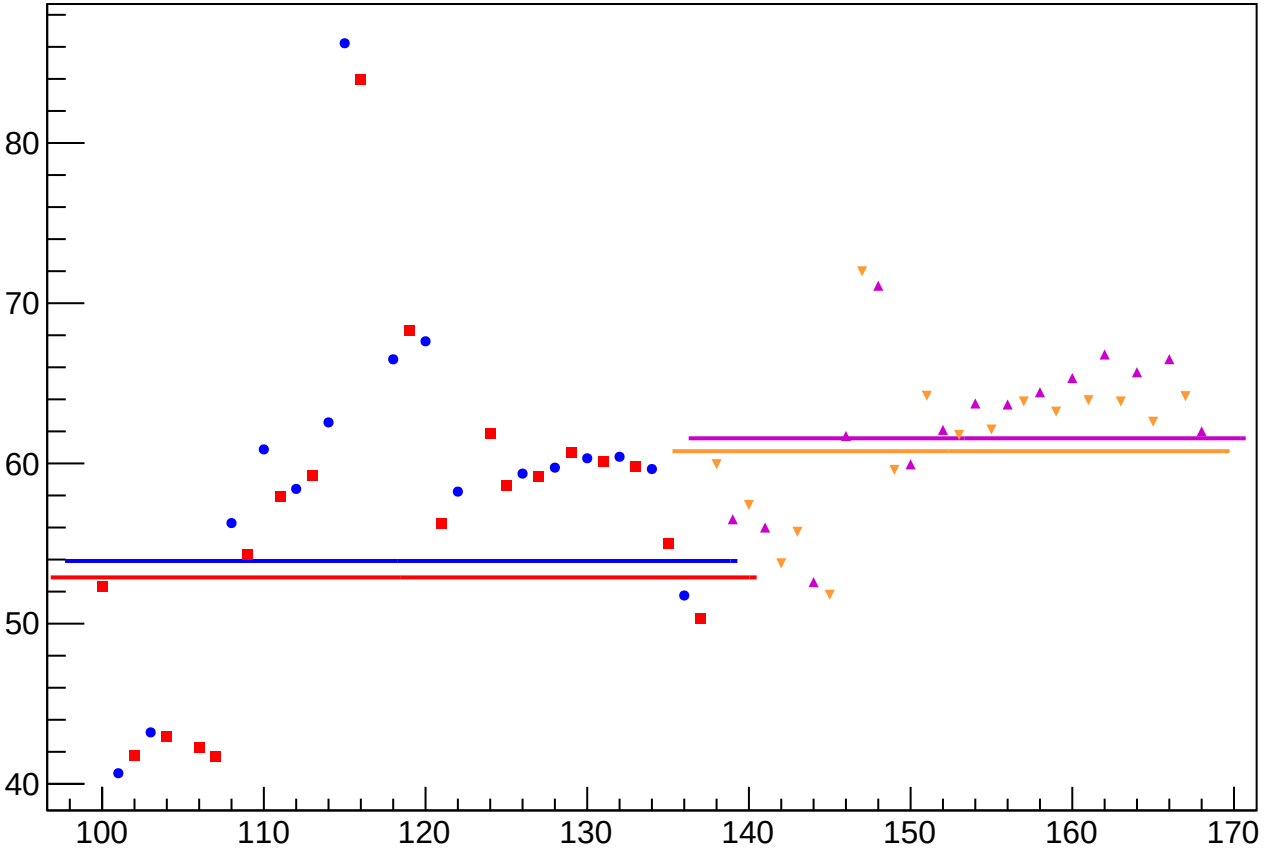
Left In: -28.387+/-17.552 χ^2/NDF:14.9/14

+ sign 19.178+/-13.136 χ^2/NDF: 42.2/31

All: -14.739+/-9.288 χ^2/NDF: 95.8/65

- sign -48.650+/-13.135 χ^2/NDF: 40.2/33

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.765+/-0.012 χ^2/NDF:149915.6/15

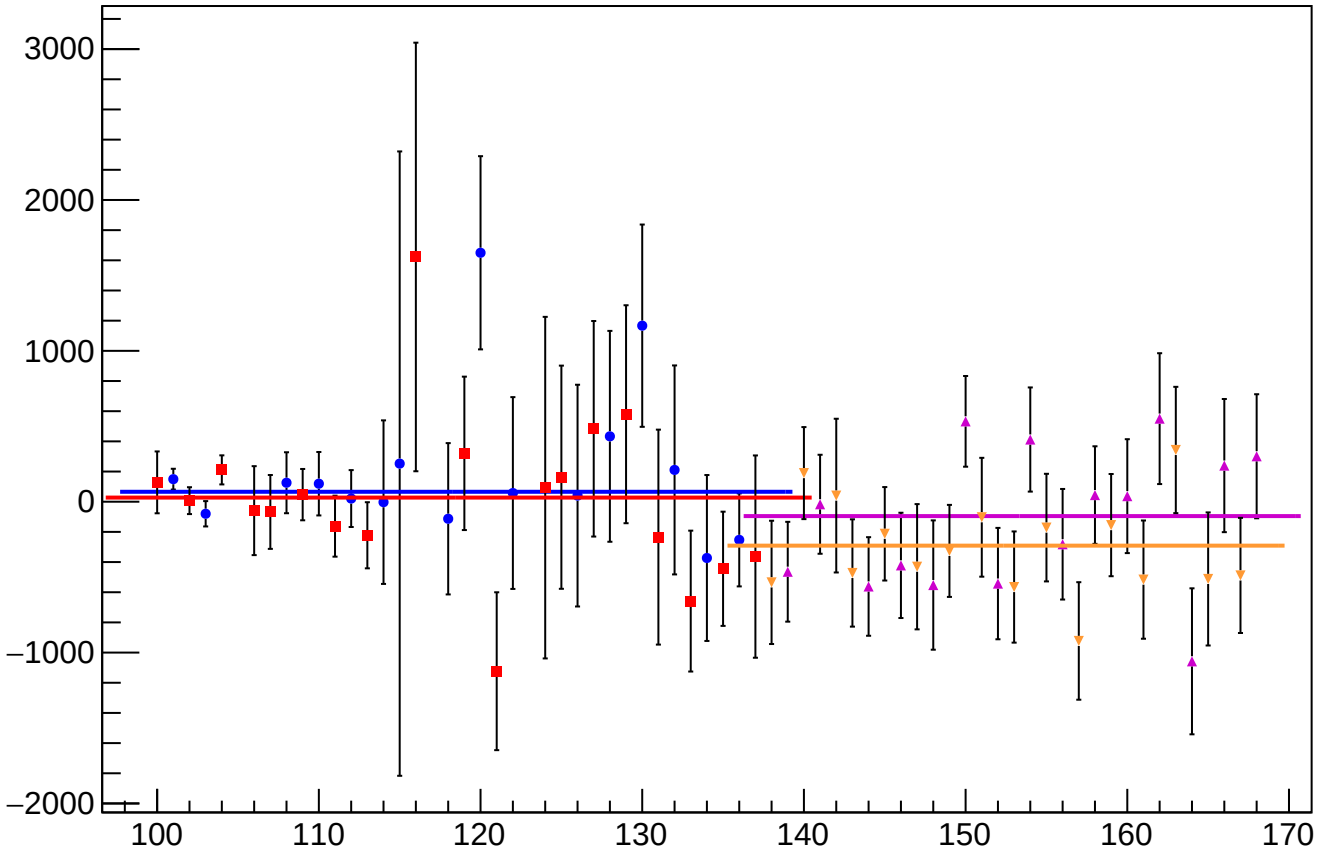
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.569+/-0.012 χ^2/NDF:148738.8/14

+ sign 57.927+/-0.009 χ^2/NDF: 675217.2/31

All: 57.838+/-0.007 χ^2/NDF: 1464981.2/65

- sign 57.749+/-0.009 χ^2/NDF: 789581.1/33



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -291.167+/-92.575 χ^2/NDF:10.5/15

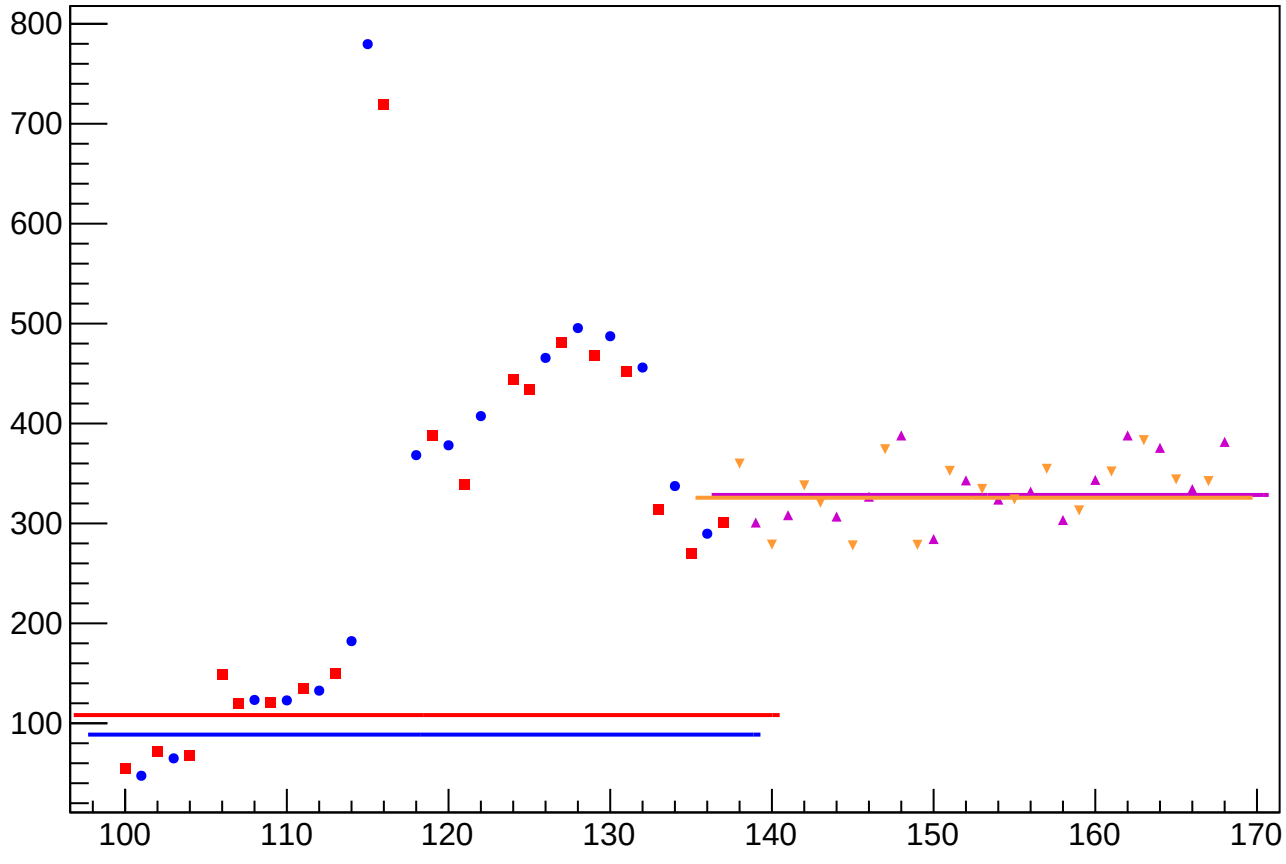
Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: -95.310+/-94.106 χ^2/NDF:21.6/14

+ sign -6.017+/-41.537 χ^2/NDF: 38.1/31

All: -3.120+/-30.309 χ^2/NDF: 79.1/65

- sign 0.180+/-44.325 χ^2/NDF: 40.9/33



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 325.713+/-0.065 χ^2/NDF:263904.5/15

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

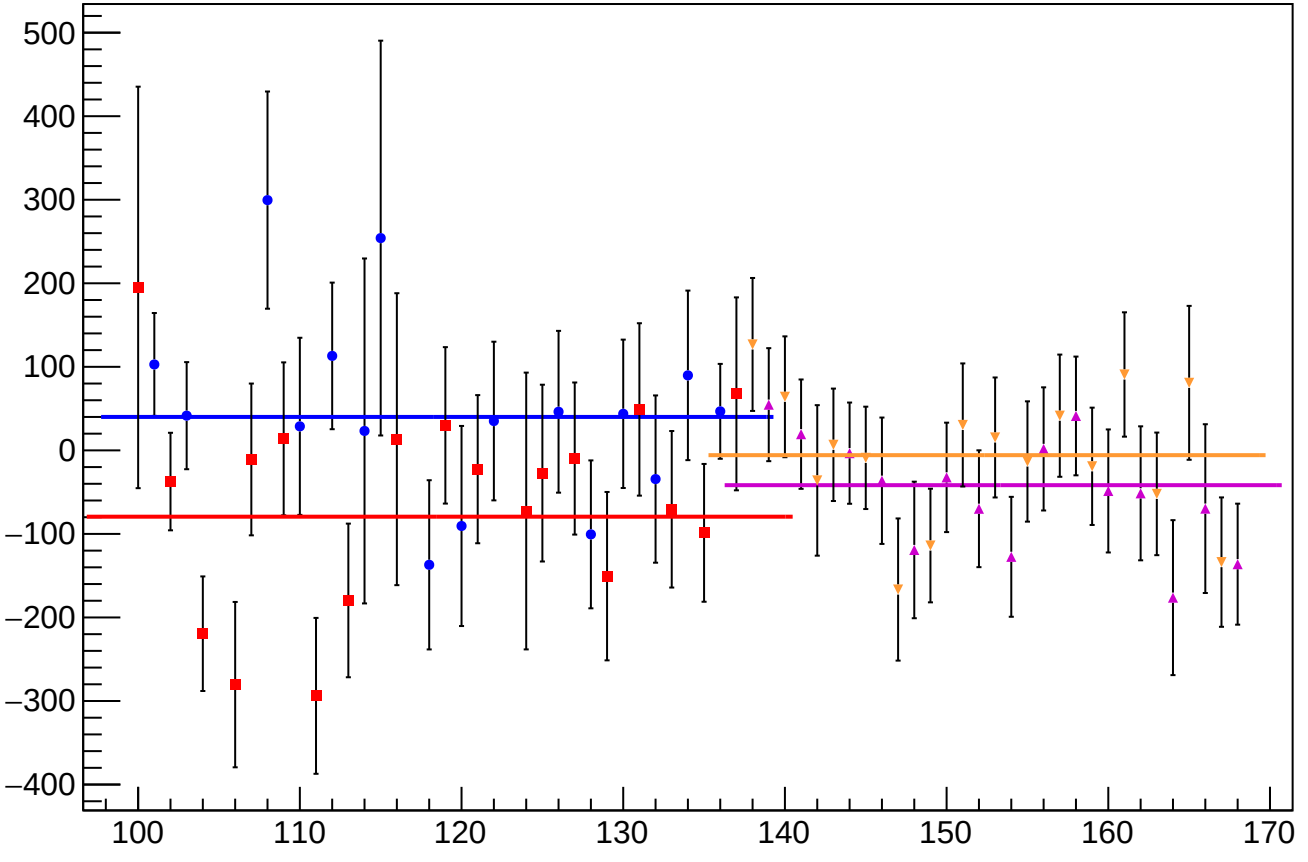
Left In: 328.520+/-0.067 χ^2/NDF:221282.9/14

+ sign 136.378+/-0.029 χ^2/NDF: 17386445.9/31

All: 146.060+/-0.021 χ^2/NDF: 31724711.6/65

- sign 157.085+/-0.031 χ^2/NDF: 14105888.2/33

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -5.741+/-18.488 χ^2/NDF:16.4/15

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

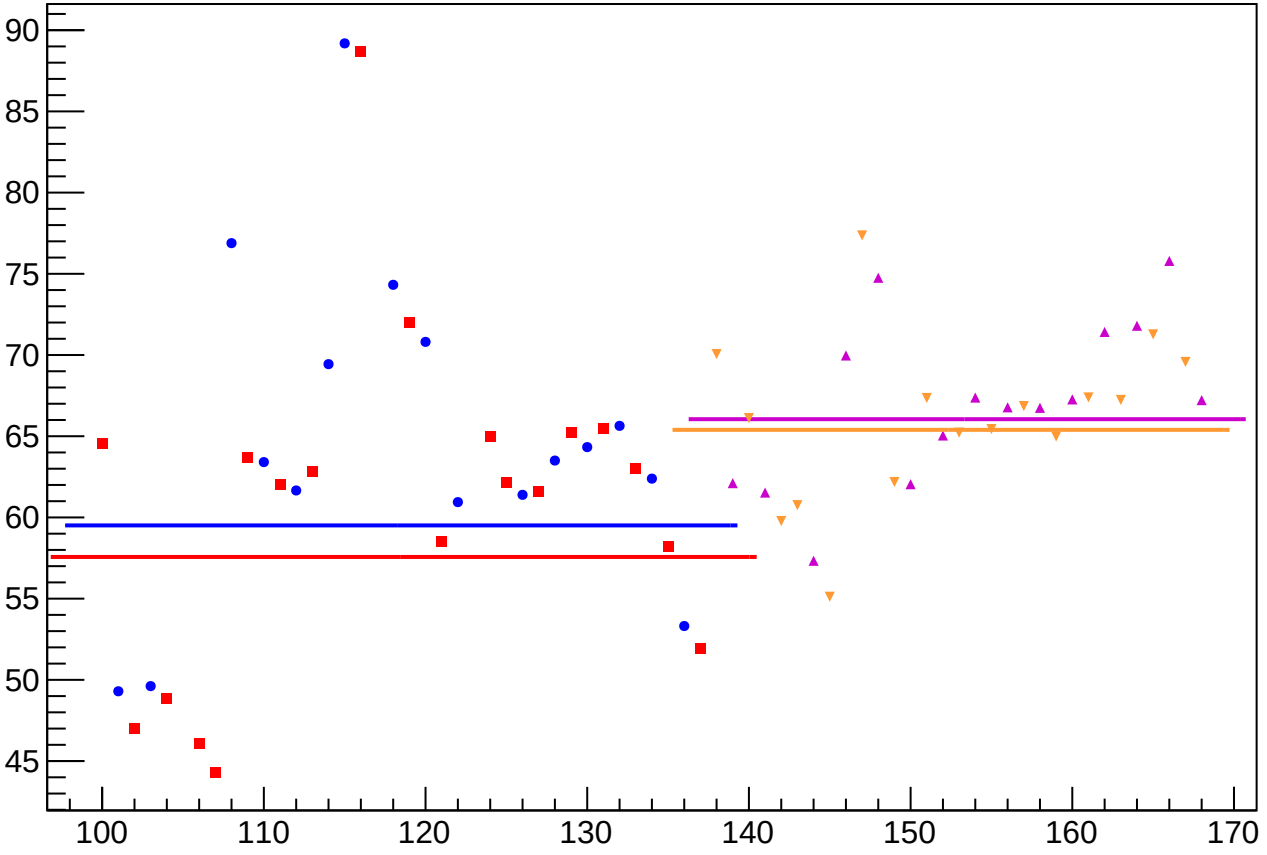
Left In: -41.652+/-18.873 χ^2/NDF:11.4/14

+ sign 12.692+/-14.288 χ^2/NDF: 33.1/31

All: -22.861+/-10.074 χ^2/NDF: 83.4/65

- sign -58.004+/-14.205 χ^2/NDF: 38.0/33

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 65.393+/-0.013 χ^2/NDF:143628.3/15

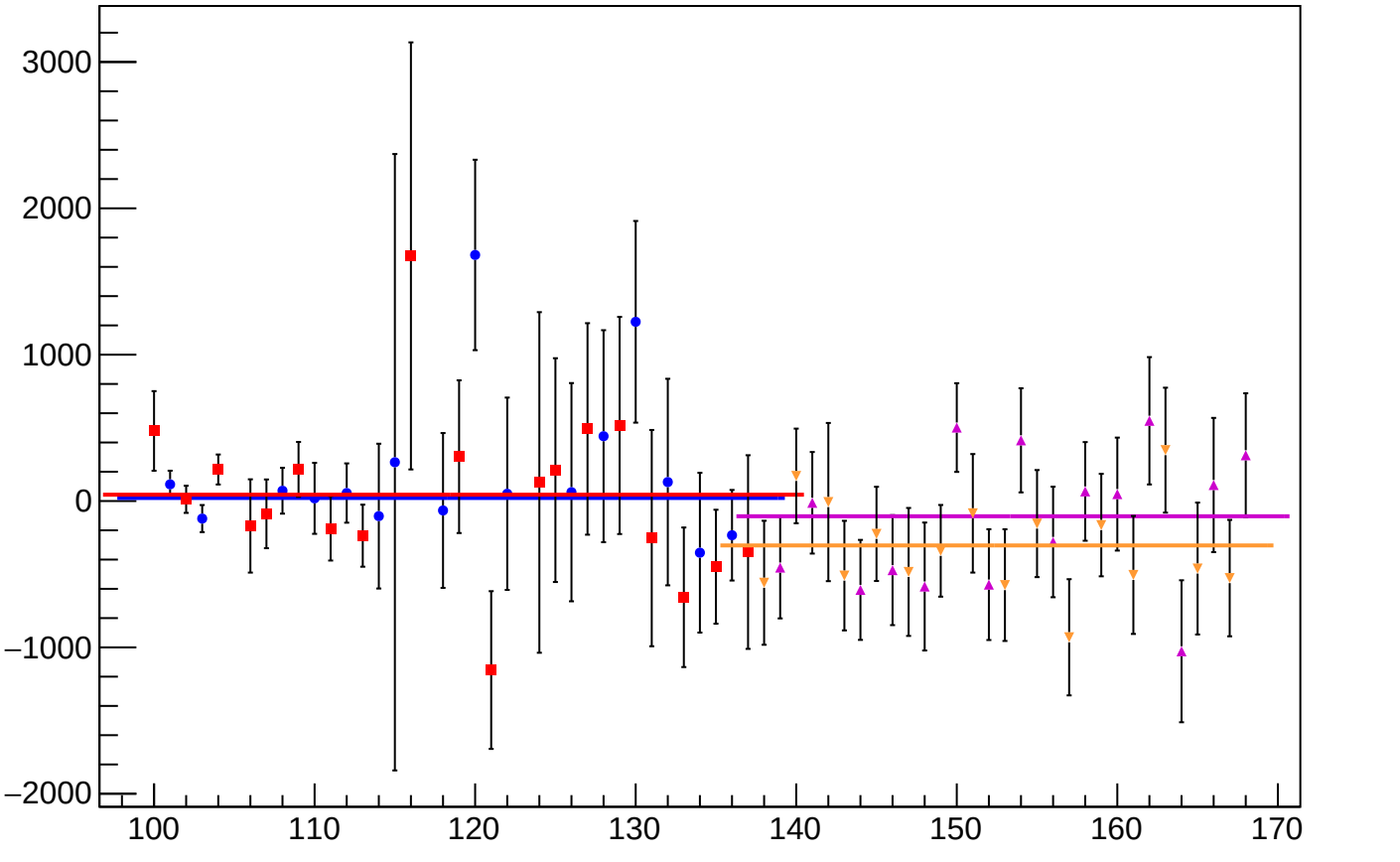
Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 66.049+/-0.013 χ^2/NDF:131110.0/14

+ sign 63.023+/-0.010 χ^2/NDF: 508420.1/31

All: 62.696+/-0.007 χ^2/NDF: 1164118.3/65

- sign 62.373+/-0.010 χ^2/NDF: 653612.6/33



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -303.453+/-95.959 χ^2/NDF:10.0/15

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

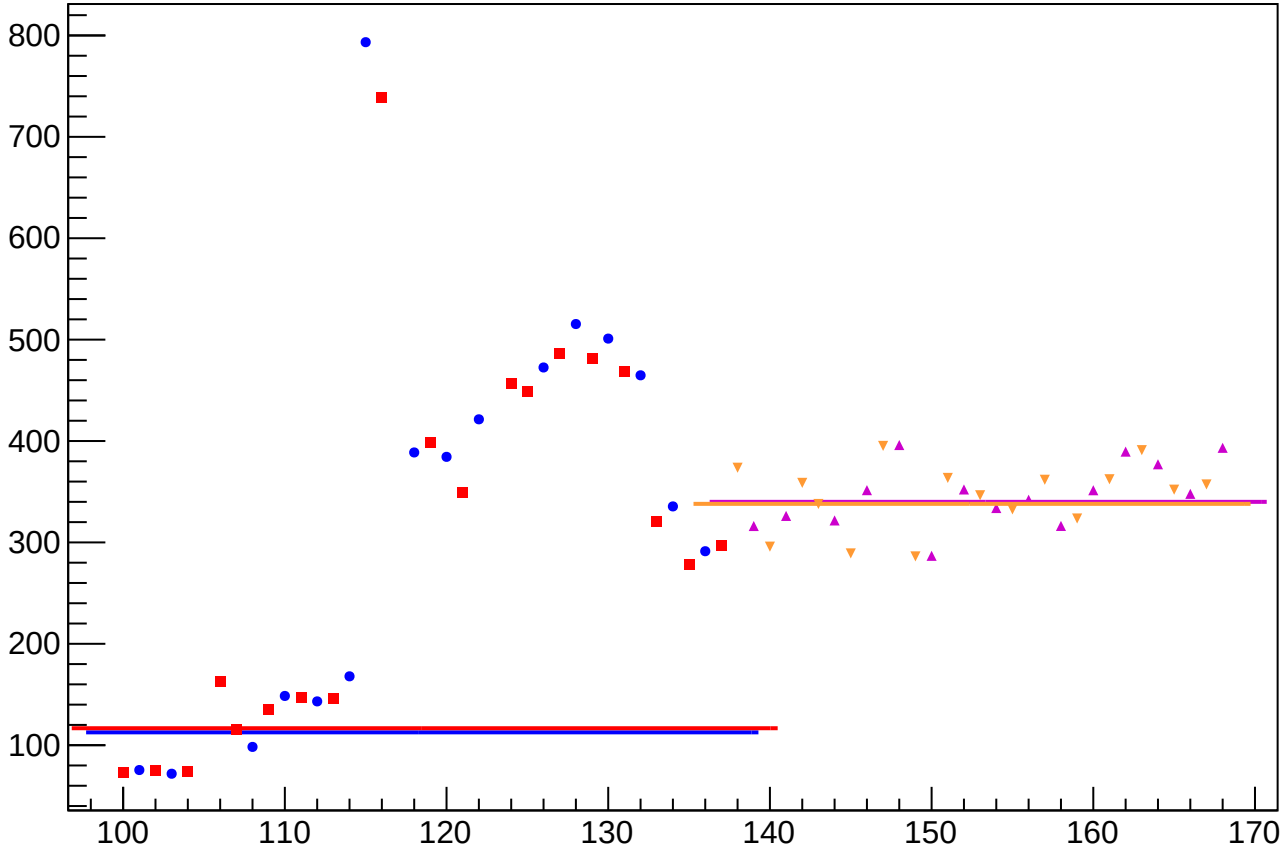
Left In: -103.964+/-97.299 χ^2/NDF:20.7/14

+ sign -56.246+/-46.785 χ^2/NDF: 33.3/31

All: -23.369+/-33.047 χ^2/NDF: 78.3/65

- sign 9.368+/-46.685 χ^2/NDF: 44.0/33

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 338.029+/-0.068 χ^2/NDF:250768.5/15

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

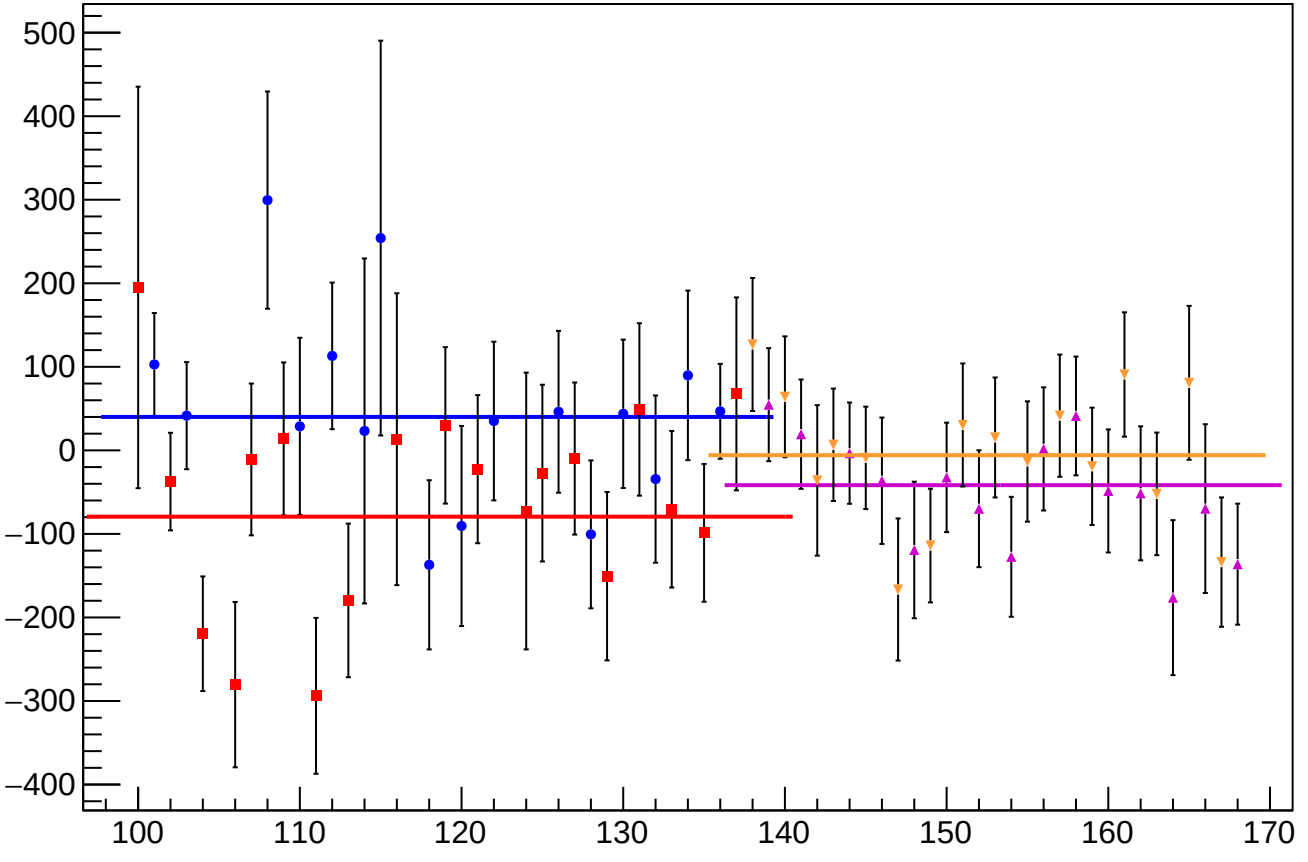
Left In: 340.009+/-0.069 χ^2/NDF:199100.4/14

+ sign 166.238+/-0.033 χ^2/NDF: 14259287.4/31

All: 167.188+/-0.023 χ^2/NDF: 27708527.3/65

- sign 168.135+/-0.033 χ^2/NDF: 13447591.7/33

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -5.741+/-18.488 χ^2/NDF:16.4/15

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

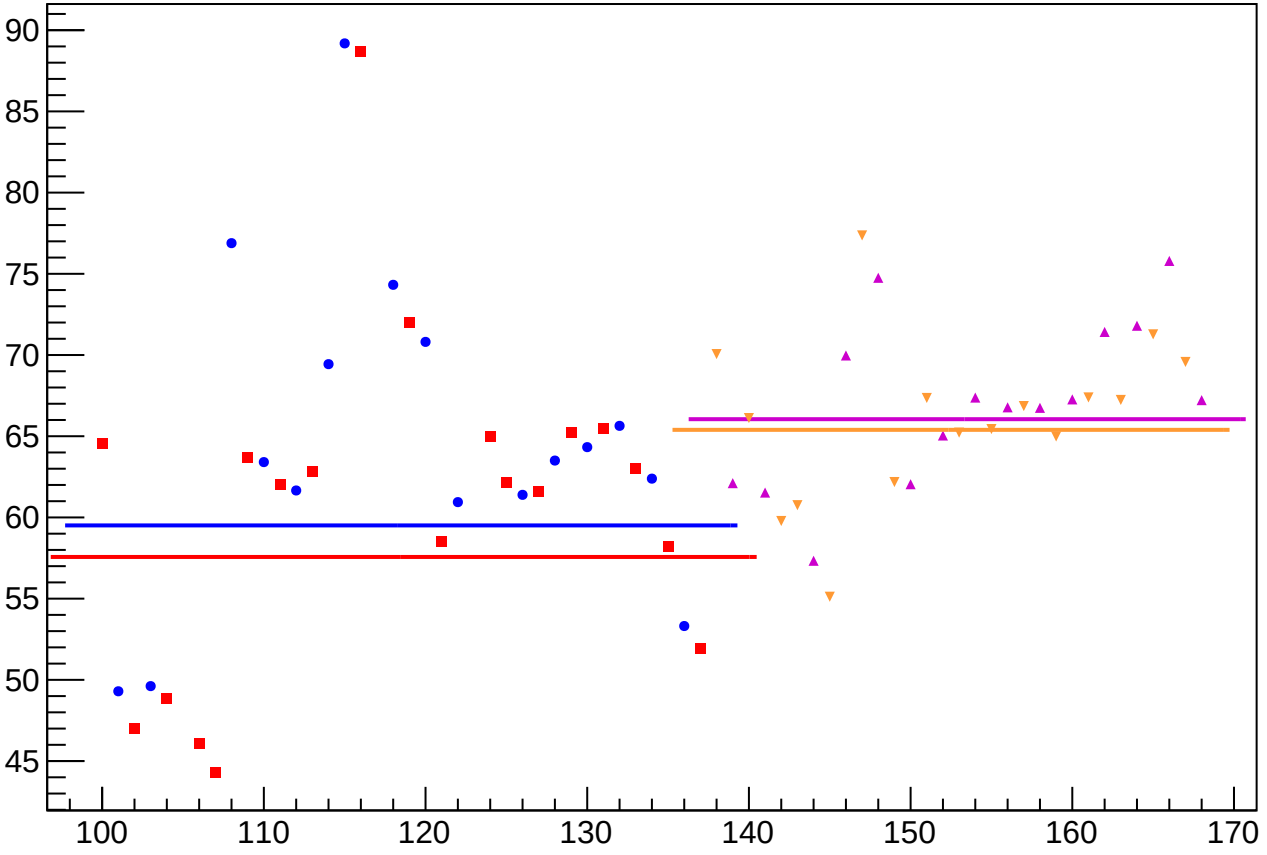
Left In: -41.653+/-18.873 χ^2/NDF:11.4/14

+ sign 12.692+/-14.288 χ^2/NDF: 33.1/31

All: -22.861+/-10.074 χ^2/NDF: 83.4/65

- sign -58.005+/-14.205 χ^2/NDF: 38.0/33

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 65.393+/-0.013 χ^2/NDF:143630.8/15

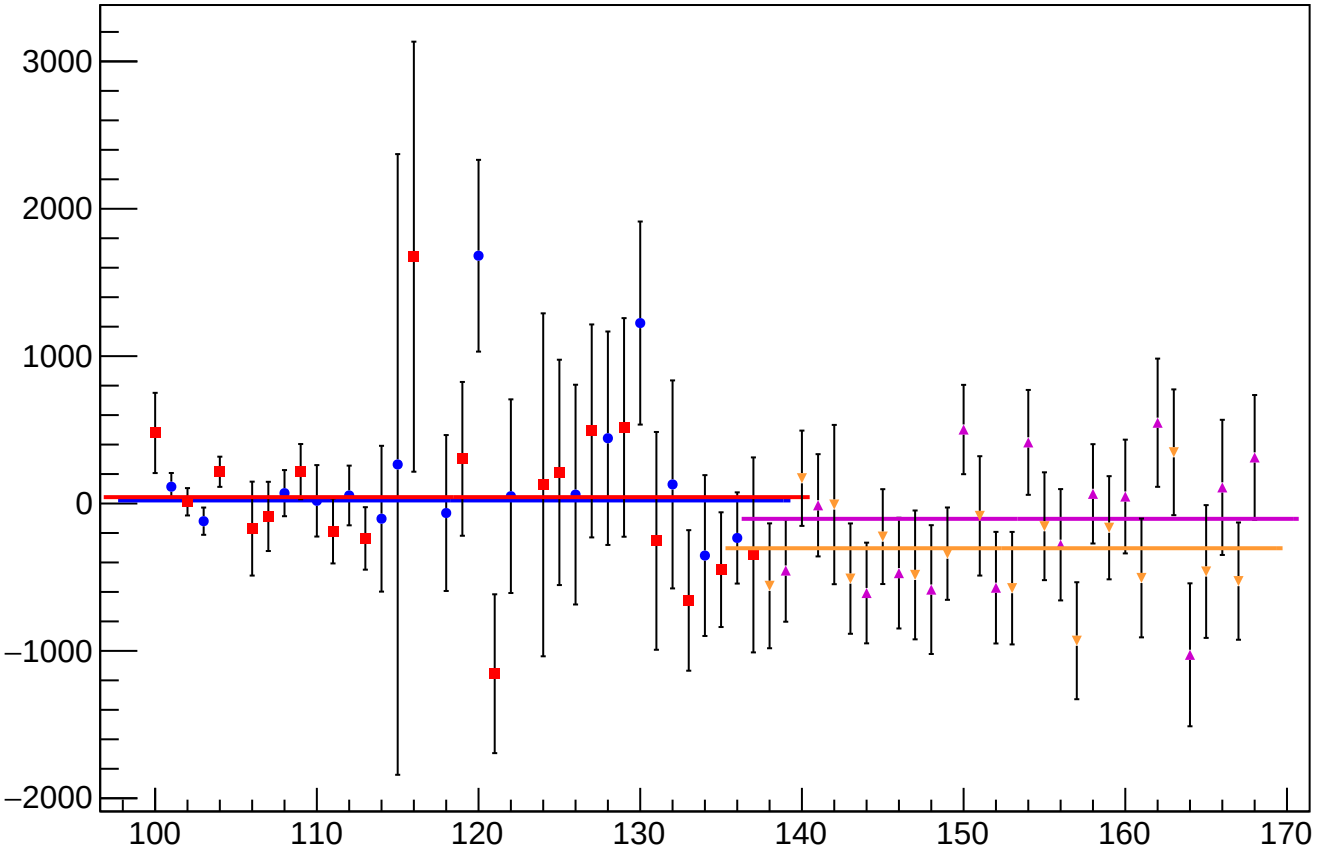
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 66.050+/-0.013 χ^2/NDF:131106.0/14

+ sign 63.023+/-0.010 χ^2/NDF: 508425.7/31

All: 62.696+/-0.007 χ^2/NDF: 1164125.0/65

- sign 62.373+/-0.010 χ^2/NDF: 653613.7/33



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -303.453+/-95.959 χ^2/NDF:10.0/15

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

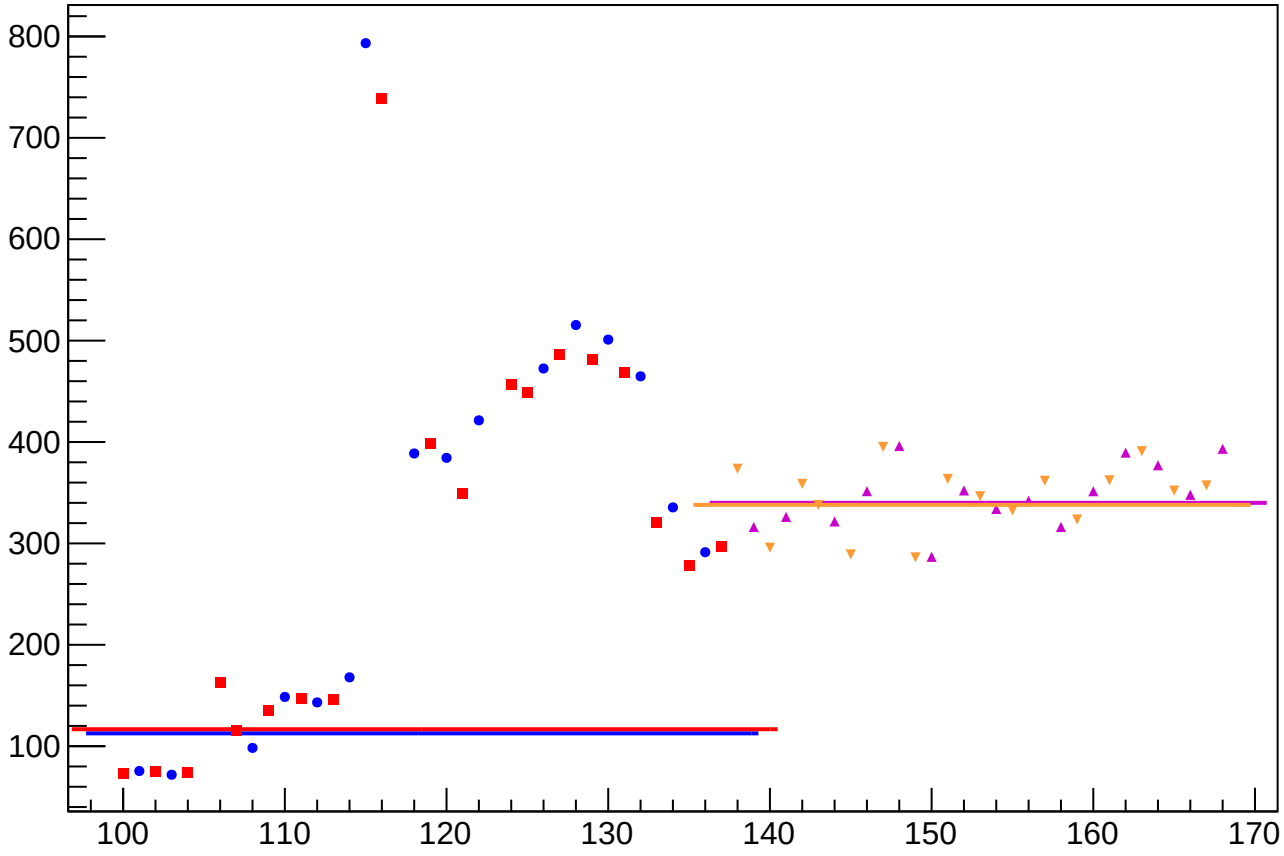
Left In: -103.964+/-97.299 χ^2/NDF:20.7/14

+ sign -56.246+/-46.785 χ^2/NDF: 33.3/31

All: -23.369+/-33.047 χ^2/NDF: 78.3/65

- sign 9.368+/-46.685 χ^2/NDF: 44.0/33

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 338.030+/-0.068 χ^2/NDF:250766.6/15

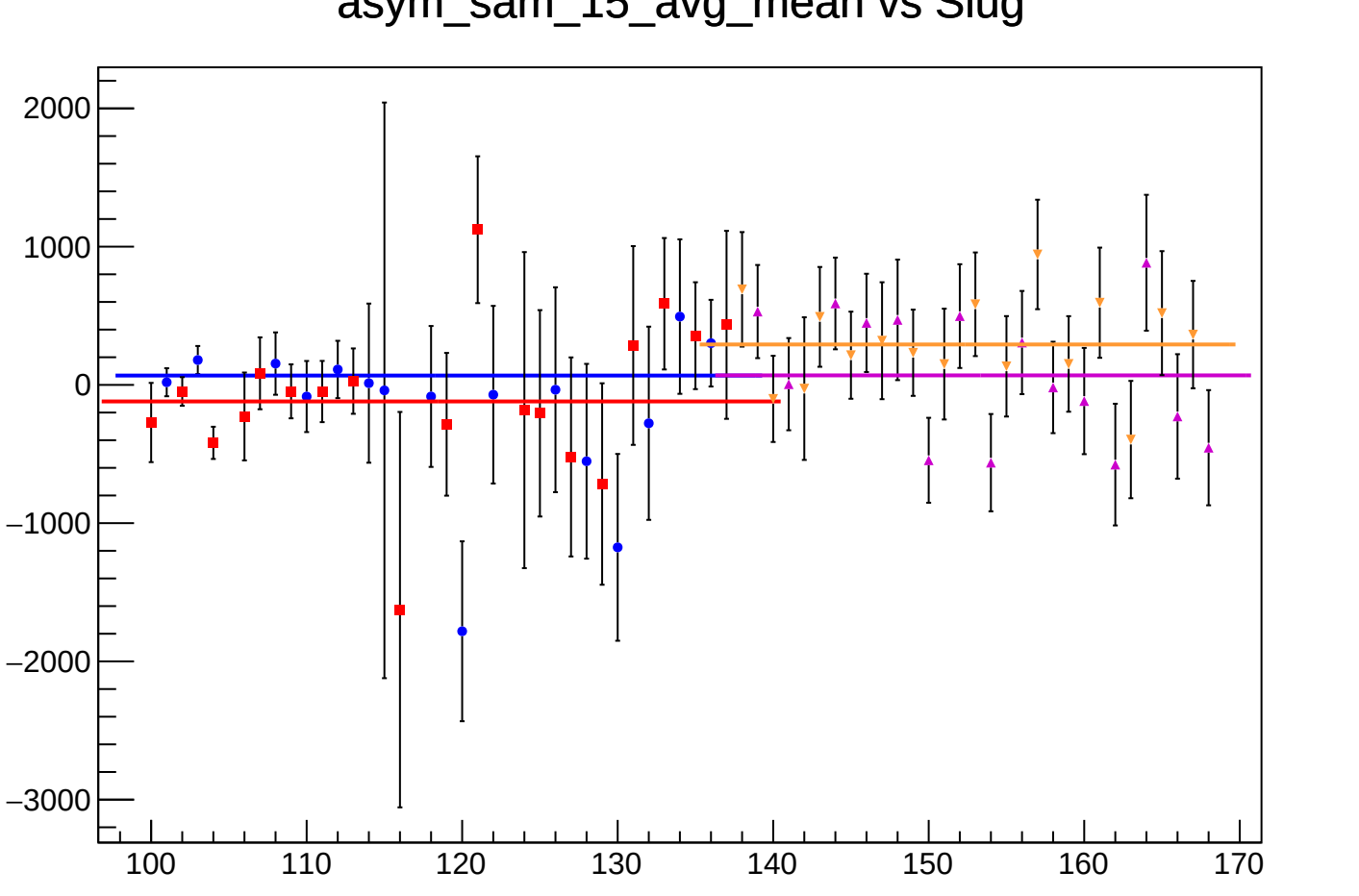
Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 340.010+/-0.069 χ^2/NDF:199095.5/14

+ sign 166.237+/-0.033 χ^2/NDF: 14259334.1/31

All: 167.188+/-0.023 χ^2/NDF: 27708629.1/65

- sign 168.135+/-0.033 χ^2/NDF: 13447646.9/33



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 292.487+/-94.231 χ^2/NDF:10.6/15

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

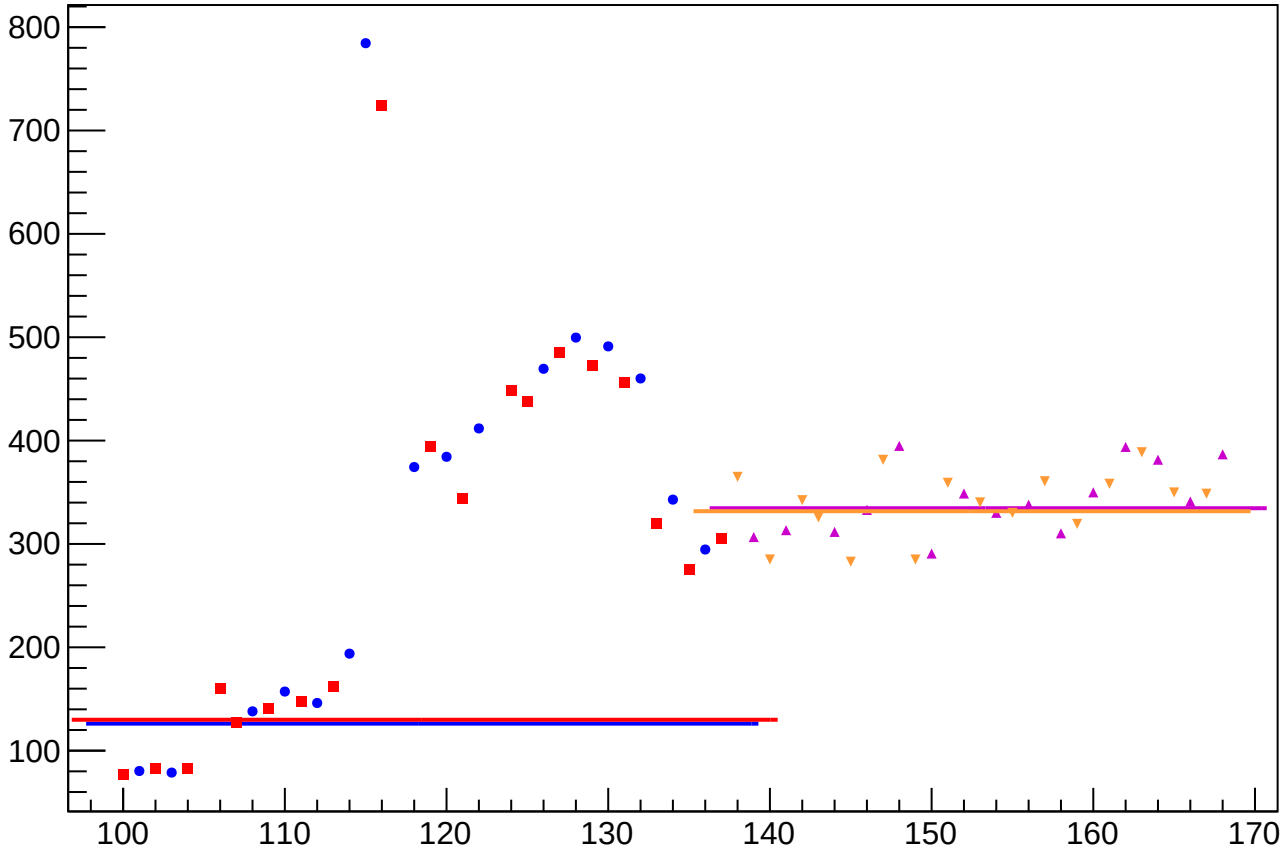
Left In: 68.893+/-95.807 χ^2/NDF:22.5/14

+ sign 131.209+/-50.109 χ^2/NDF: 30.5/31

All: 29.966+/-35.244 χ^2/NDF: 85.0/65

- sign -69.147+/-49.580 χ^2/NDF: 46.5/33

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 331.681+/-0.067 χ^2/NDF:255667.0/15

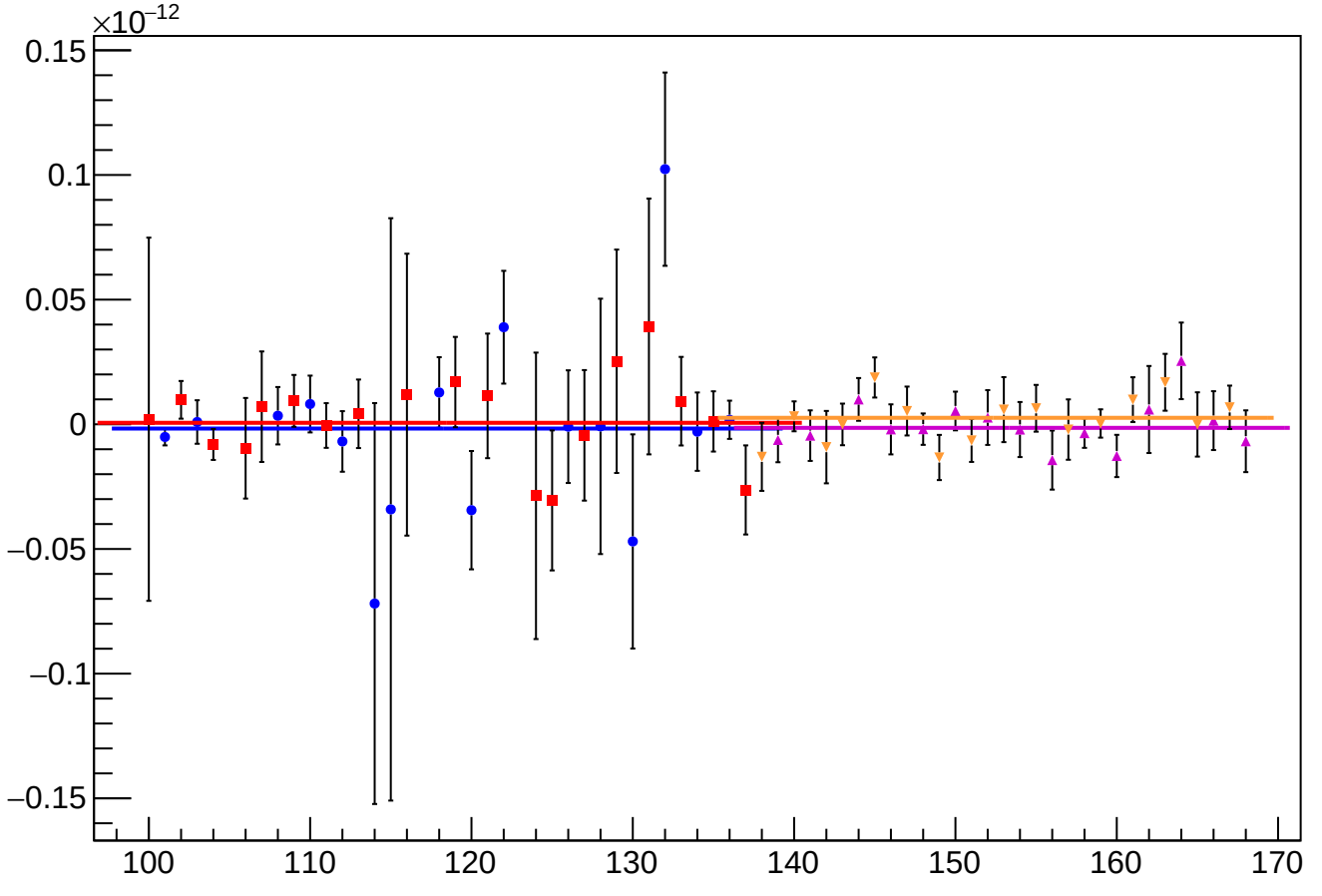
Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 334.581+/-0.068 χ^2/NDF:214089.0/14

+ sign 184.273+/-0.035 χ^2/NDF: 12299646.1/31

All: 184.501+/-0.025 χ^2/NDF: 23844307.7/65

- sign 184.724+/-0.035 χ^2/NDF: 11544579.6/33



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/15

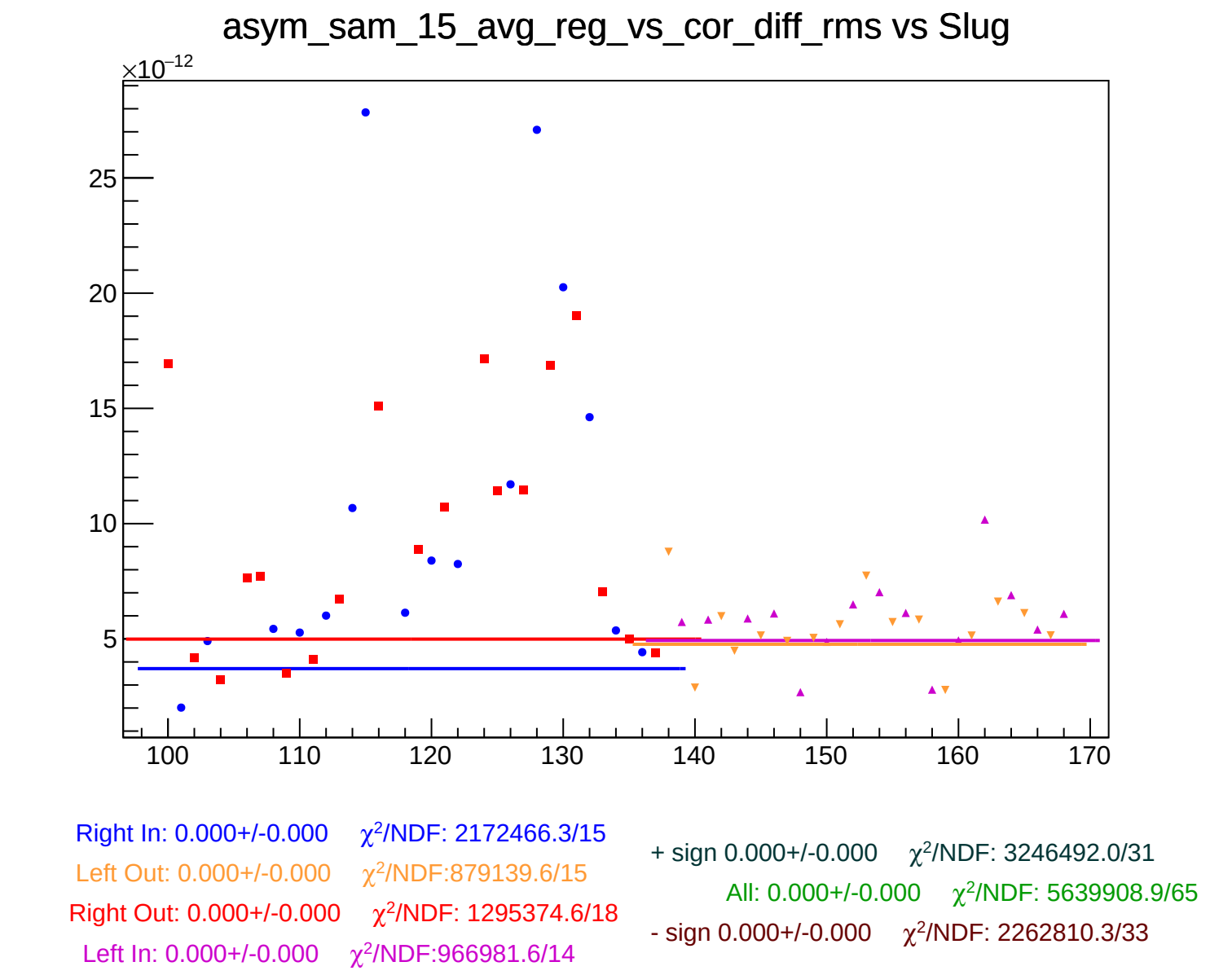
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 32.8/31

All: 0.000+/-0.000 χ^2/NDF: 53.6/65

- sign -0.000+/-0.000 χ^2/NDF: 20.4/33


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
25
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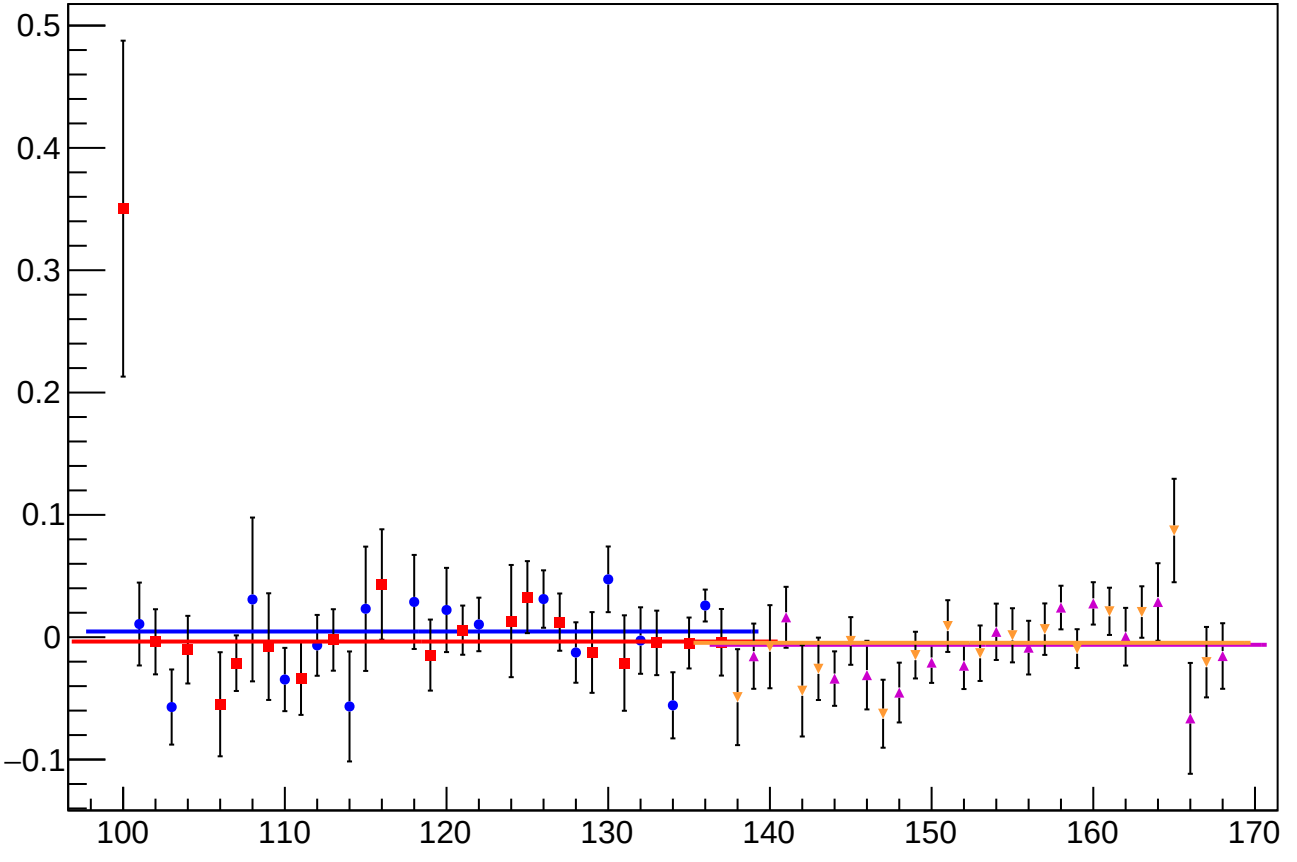
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:879139.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:966981.6/14
+ sign 0.000+/-0.000 χ²/NDF: 3246492.0/31
All: 0.000+/-0.000 χ²/NDF: 5639908.9/65
- sign 0.000+/-0.000 χ²/NDF: 2262810.3/33

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: -0.005+/-0.006 χ^2/NDF:17.0/15

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

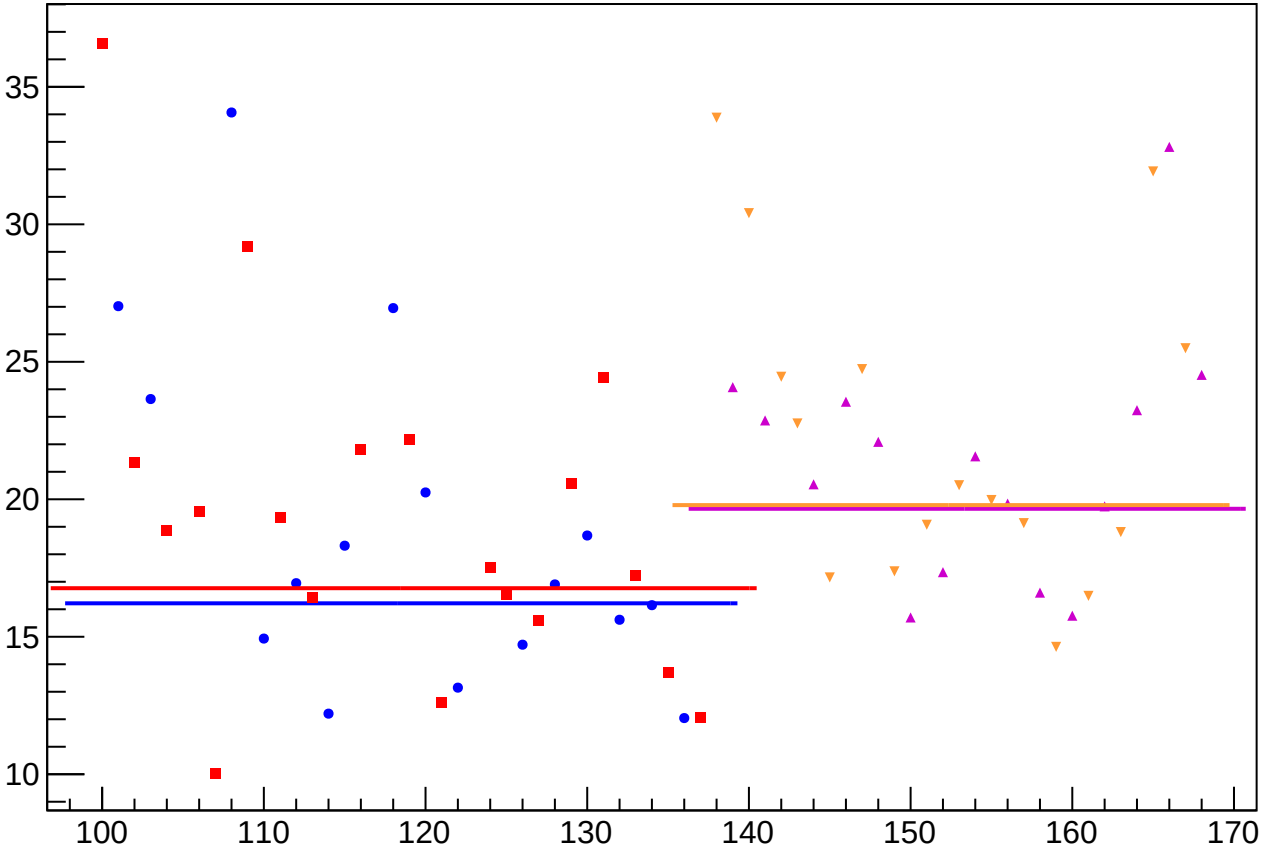
Left In: -0.006+/-0.006 χ^2/NDF:17.5/14

+ sign -0.001+/-0.004 χ^2/NDF: 39.5/31

All: -0.003+/-0.003 χ^2/NDF: 71.3/65

- sign -0.005+/-0.004 χ^2/NDF: 31.2/33

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: 19.788+/-0.004 χ^2/NDF:1166793.5/15

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

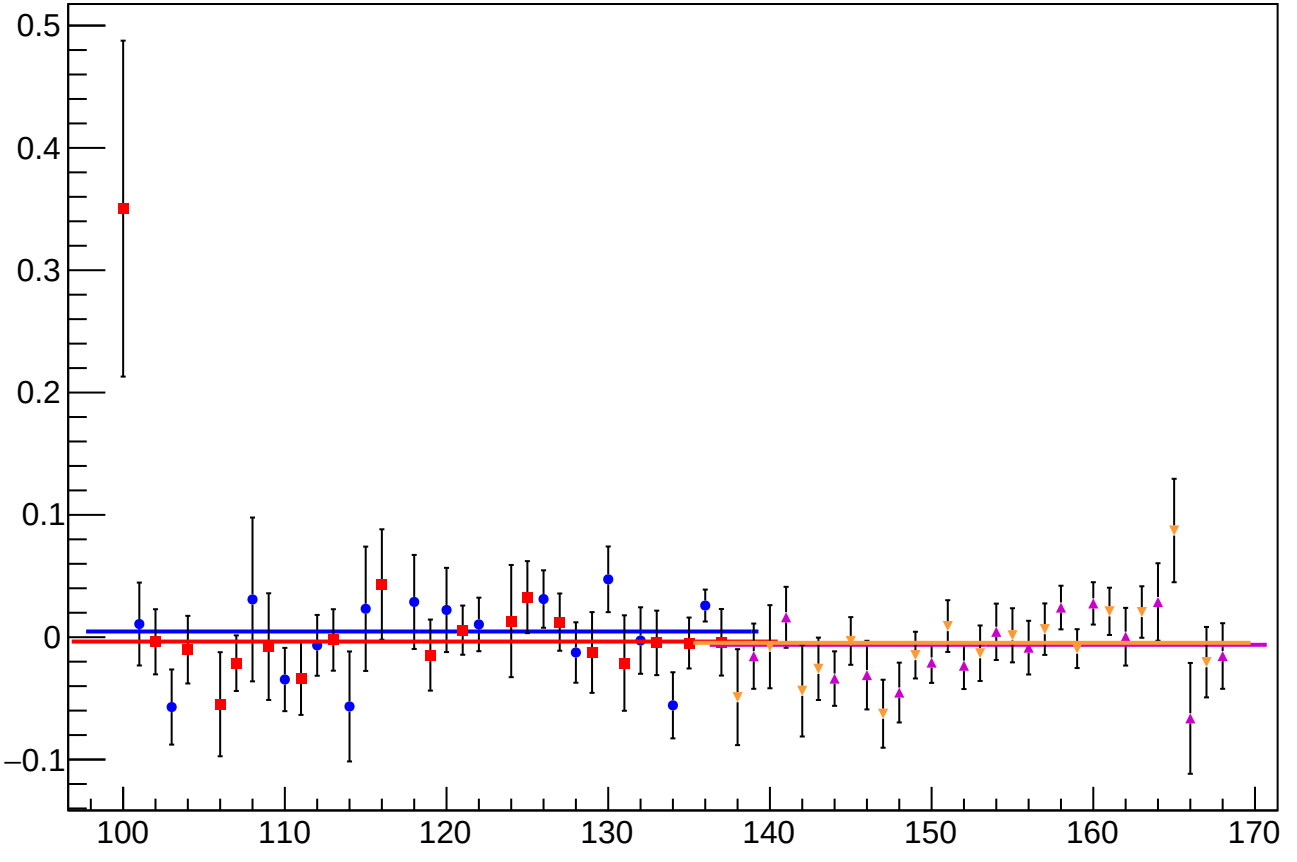
Left In: 19.654+/-0.004 χ^2/NDF:725467.3/14

+ sign 18.219+/-0.003 χ^2/NDF: 2442488.3/31

All: 18.306+/-0.002 χ^2/NDF: 4250535.8/65

- sign 18.395+/-0.003 χ^2/NDF: 1806421.1/33

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: -0.005+/-0.006 χ^2/NDF:17.0/15

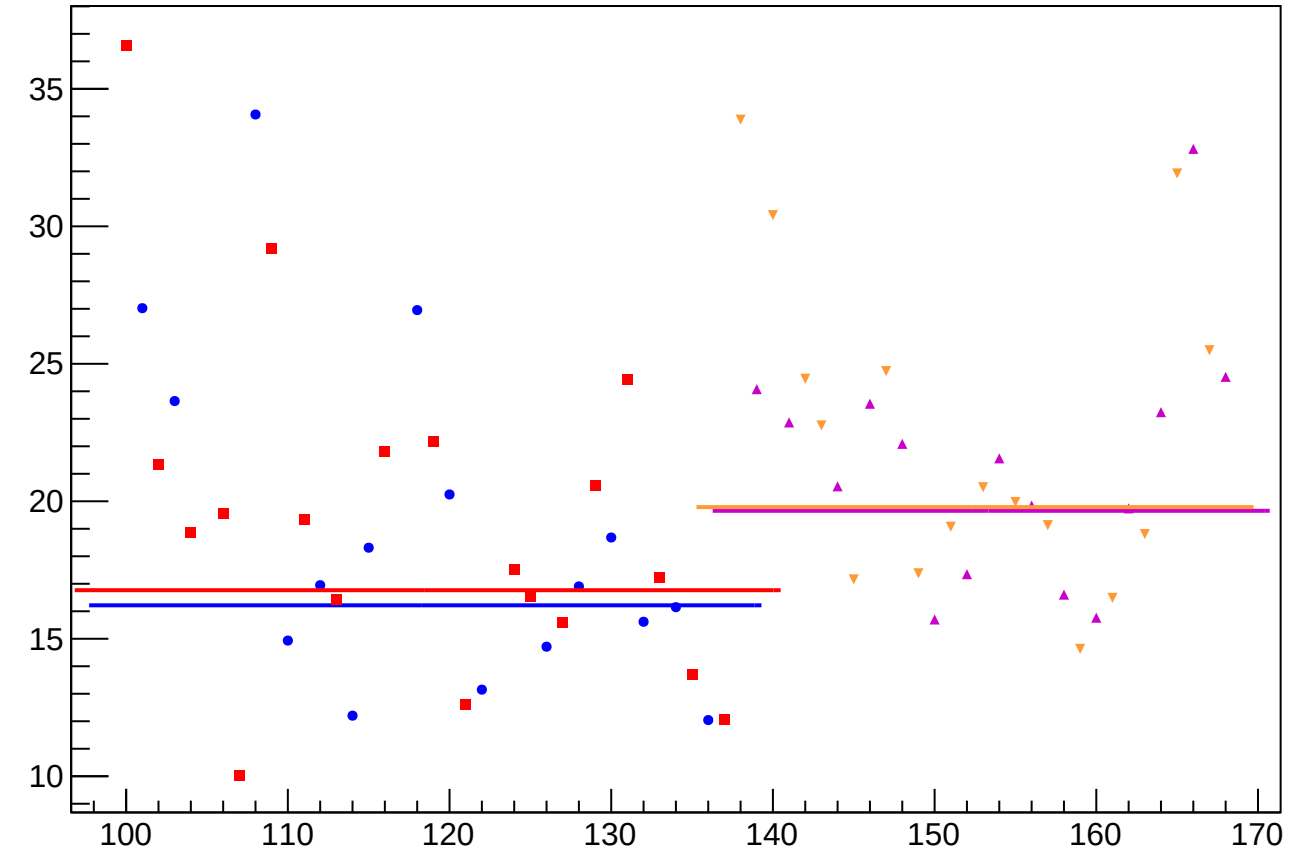
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.006 χ^2/NDF:17.5/14

+ sign -0.001+/-0.004 χ^2/NDF: 39.5/31

All: -0.003+/-0.003 χ^2/NDF: 71.3/65

- sign -0.005+/-0.004 χ^2/NDF: 31.2/33



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.788+/-0.004 χ^2/NDF:1166793.5/15

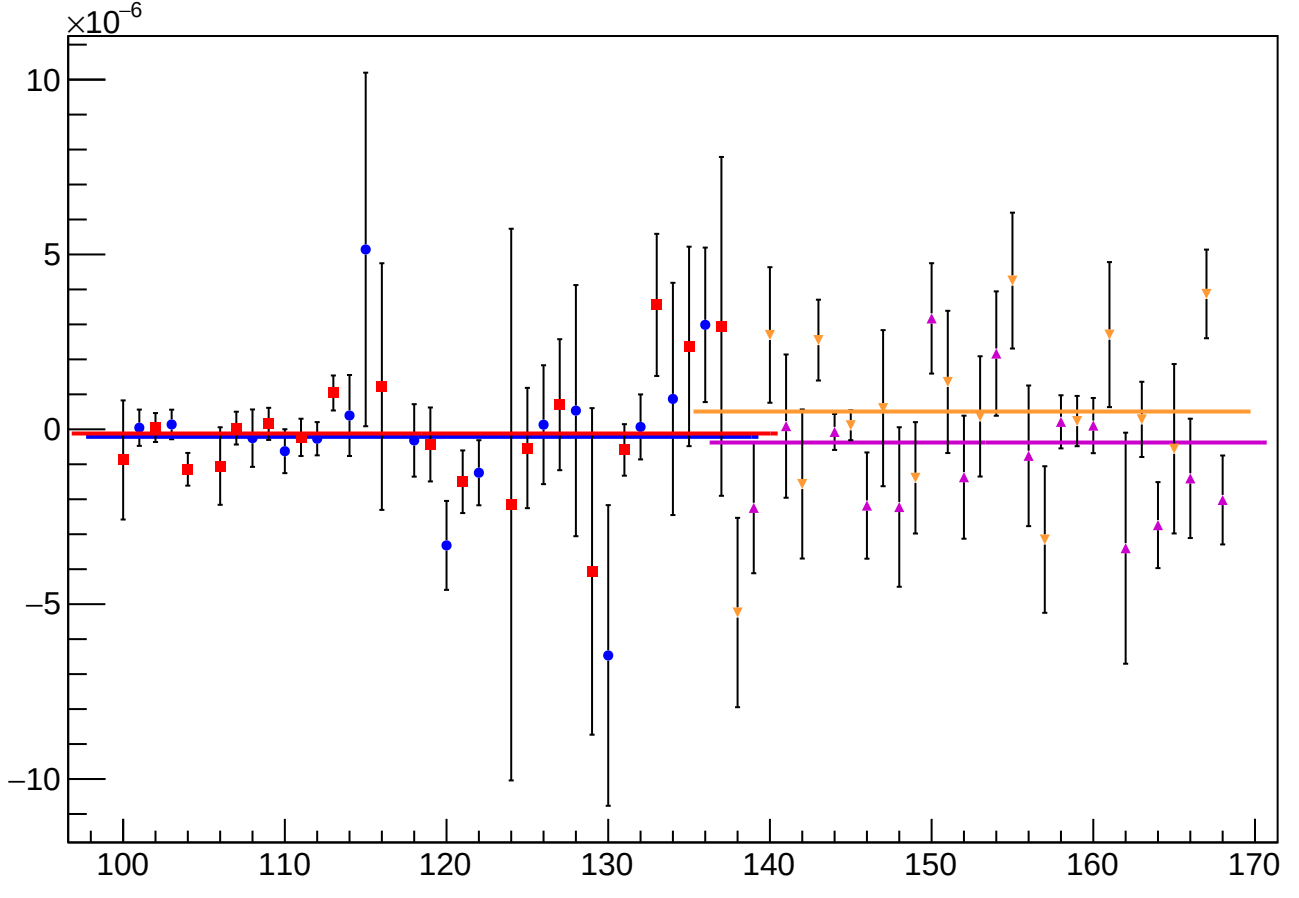
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.654+/-0.004 χ^2/NDF:725467.3/14

+ sign 18.219+/-0.003 χ^2/NDF: 2442488.3/31

All: 18.306+/-0.002 χ^2/NDF: 4250535.8/65

- sign 18.395+/-0.003 χ^2/NDF: 1806421.1/33



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.6/15

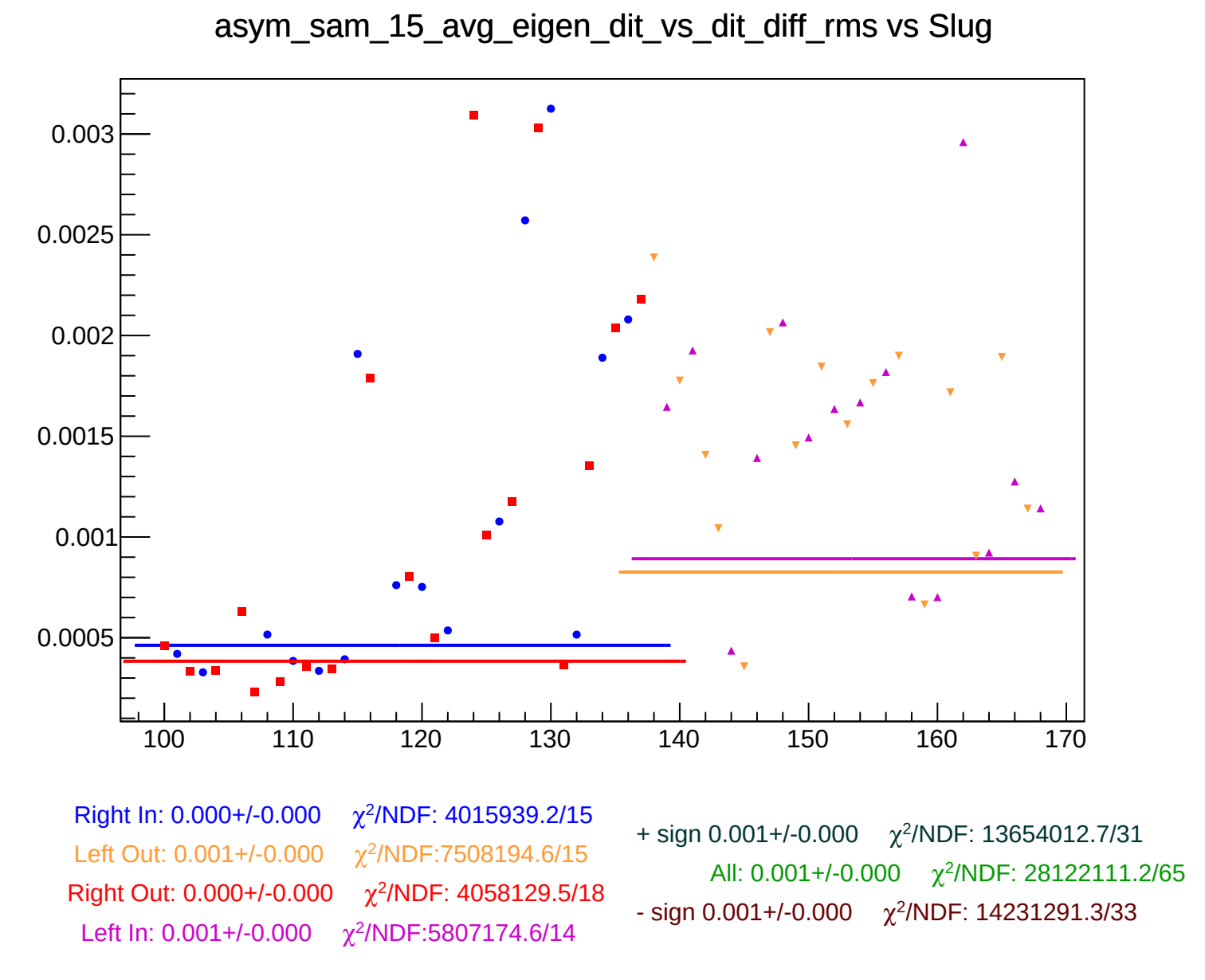
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.5/14

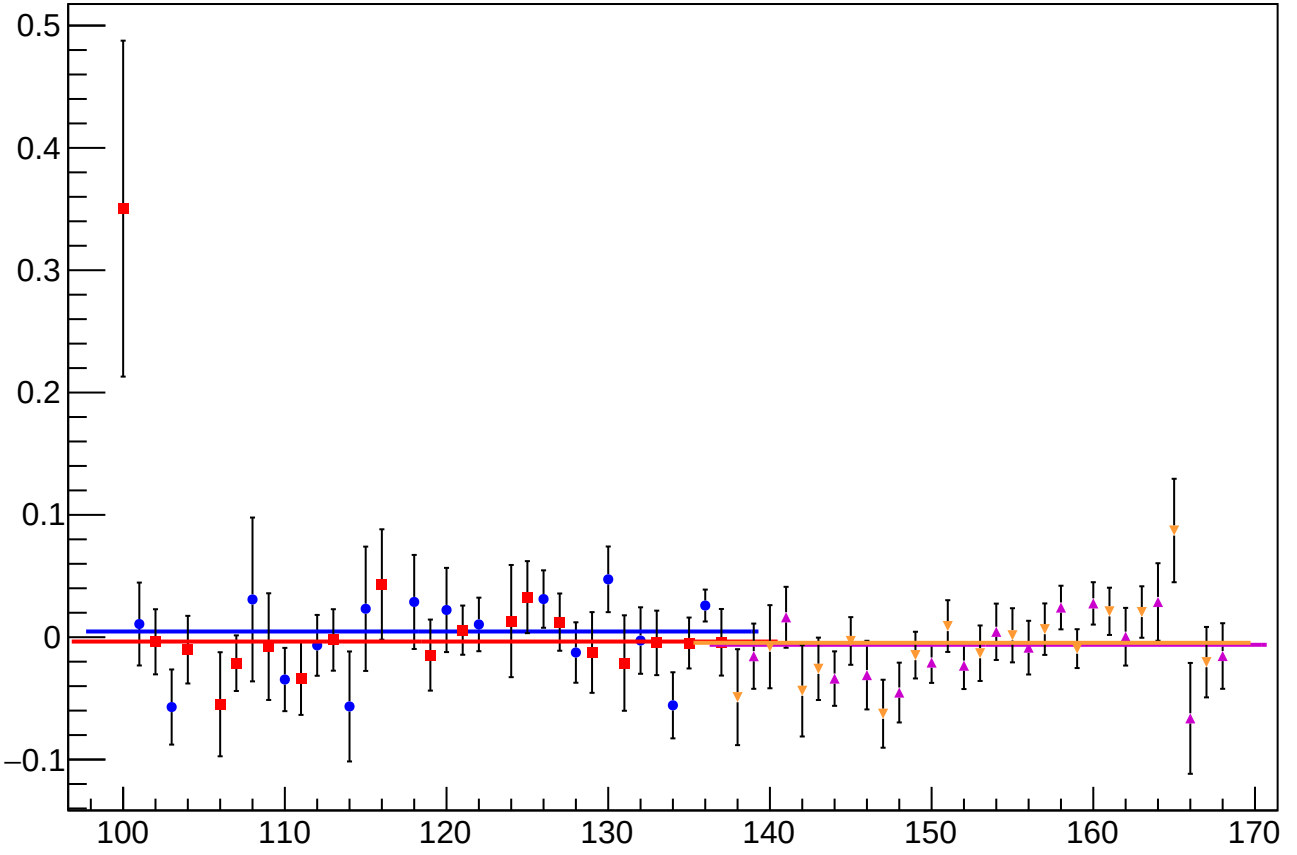
+ sign 0.000+/-0.000 χ^2/NDF: 46.3/31

All: -0.000+/-0.000 χ^2/NDF: 86.5/65

- sign -0.000+/-0.000 χ^2/NDF: 39.2/33


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:7508194.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:5807174.6/14
+ sign 0.001+/-0.000 χ²/NDF: 13654012.7/31
All: 0.001+/-0.000 χ²/NDF: 28122111.2/65
- sign 0.001+/-0.000 χ²/NDF: 14231291.3/33

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.006 χ^2/NDF:17.0/15

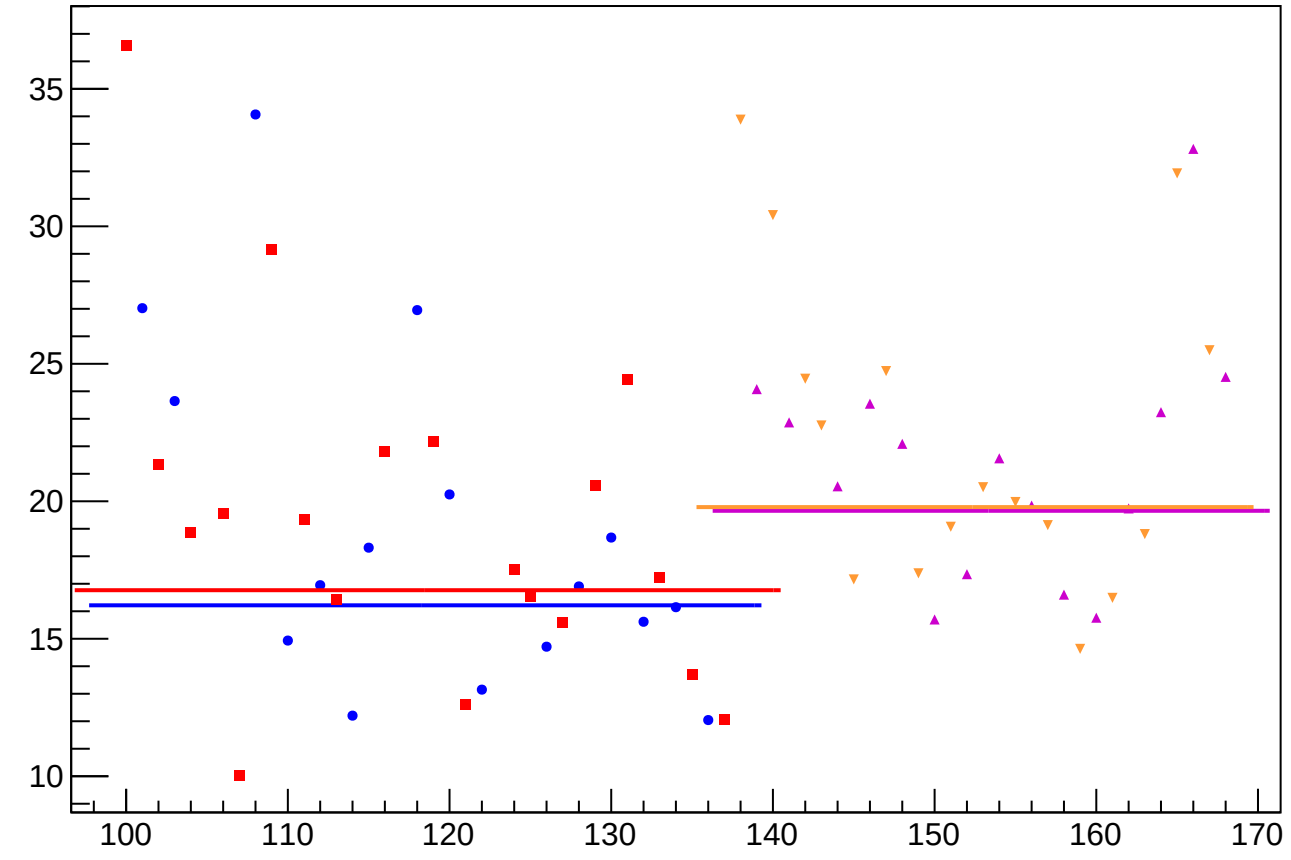
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.006 χ^2/NDF:17.5/14

+ sign -0.001+/-0.004 χ^2/NDF: 39.5/31

All: -0.003+/-0.003 χ^2/NDF: 71.3/65

- sign -0.005+/-0.004 χ^2/NDF: 31.2/33



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.788+/-0.004 χ^2/NDF:1166905.2/15

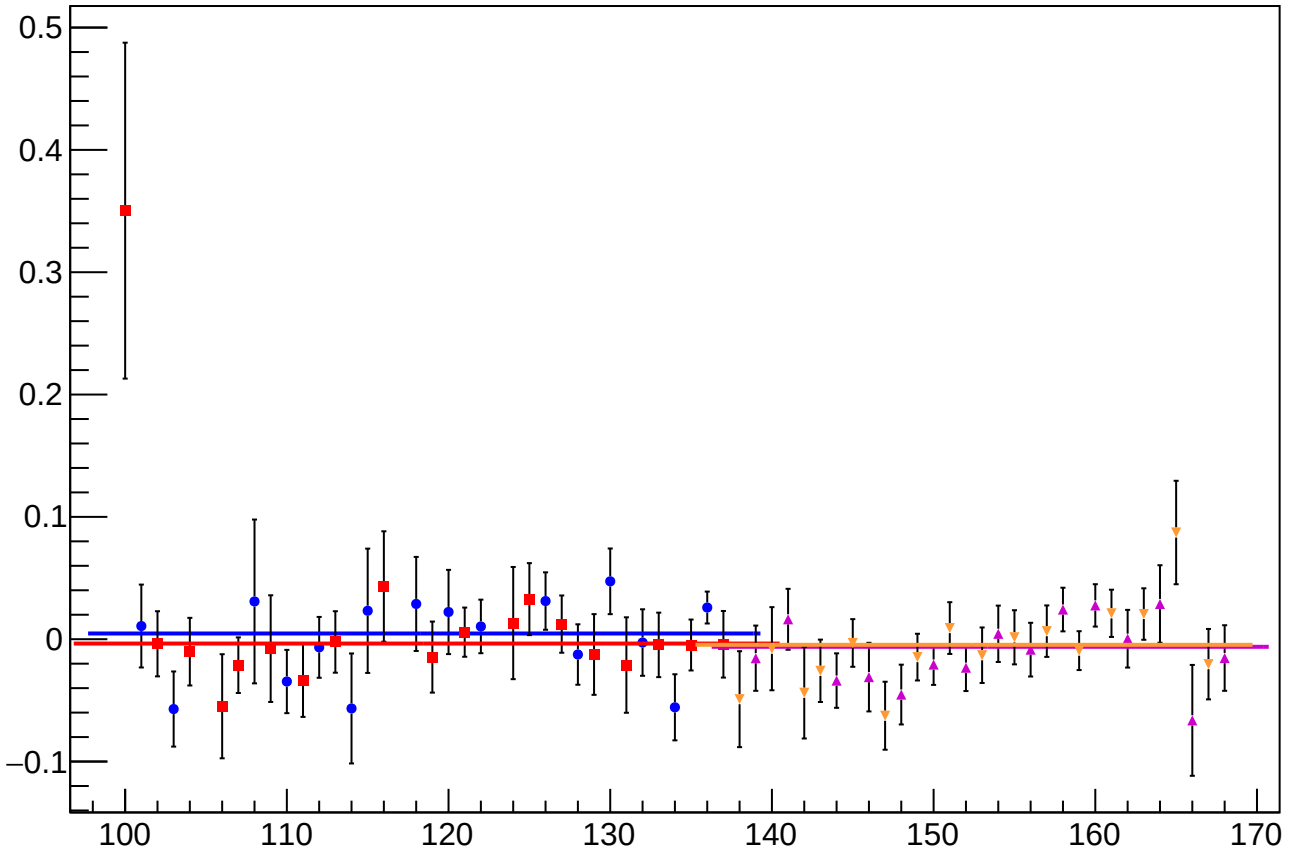
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.654+/-0.004 χ^2/NDF:725565.5/14

\+ sign 18.219+/-0.003 χ^2/NDF: 2442600.6/31

All: 18.306+/-0.002 χ^2/NDF: 4250756.8/65

\- sign 18.395+/-0.003 χ^2/NDF: 1806530.7/33



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.006 χ^2/NDF:17.0/15

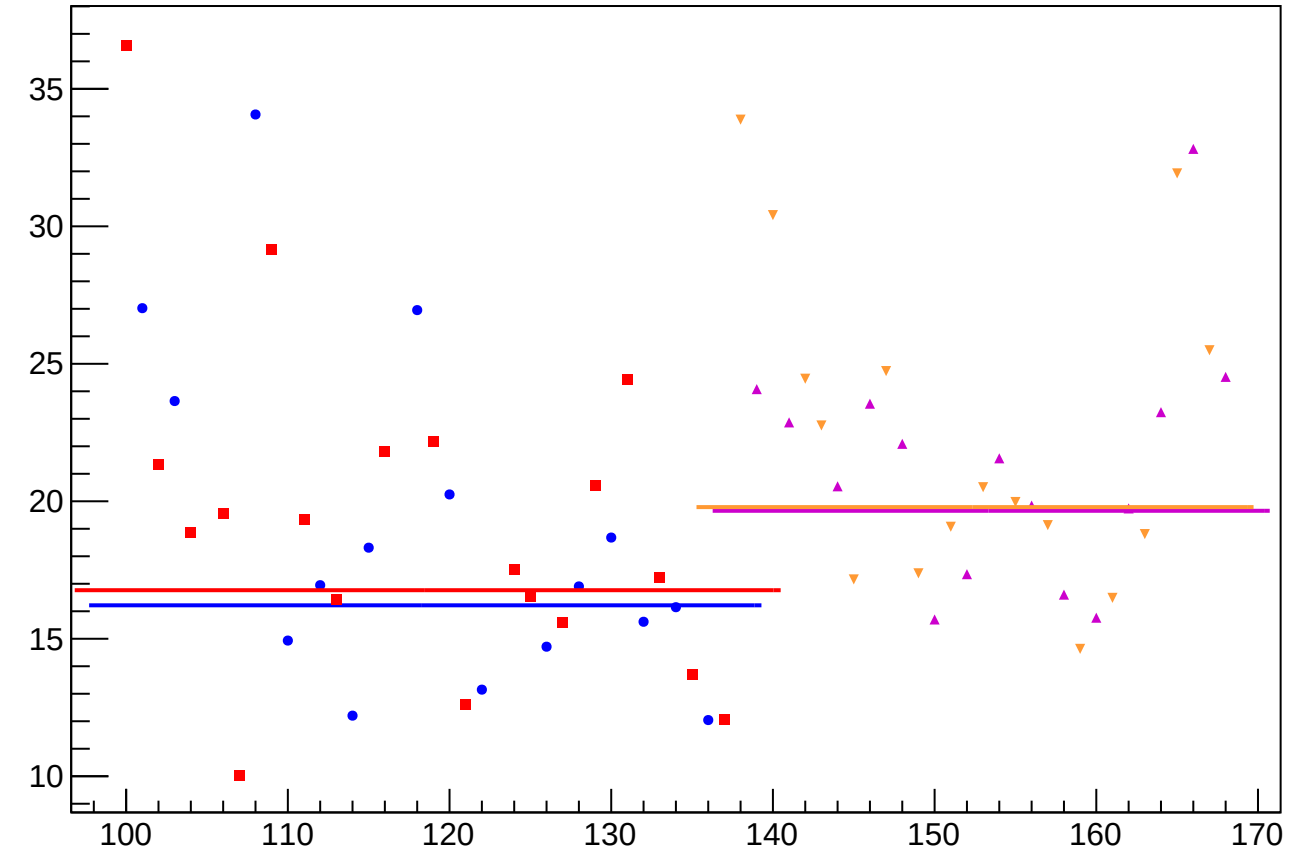
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.006 χ^2/NDF:17.5/14

+ sign -0.001+/-0.004 χ^2/NDF: 39.5/31

All: -0.003+/-0.003 χ^2/NDF: 71.3/65

- sign -0.005+/-0.004 χ^2/NDF: 31.2/33



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.788+/-0.004 χ^2/NDF:1166905.2/15

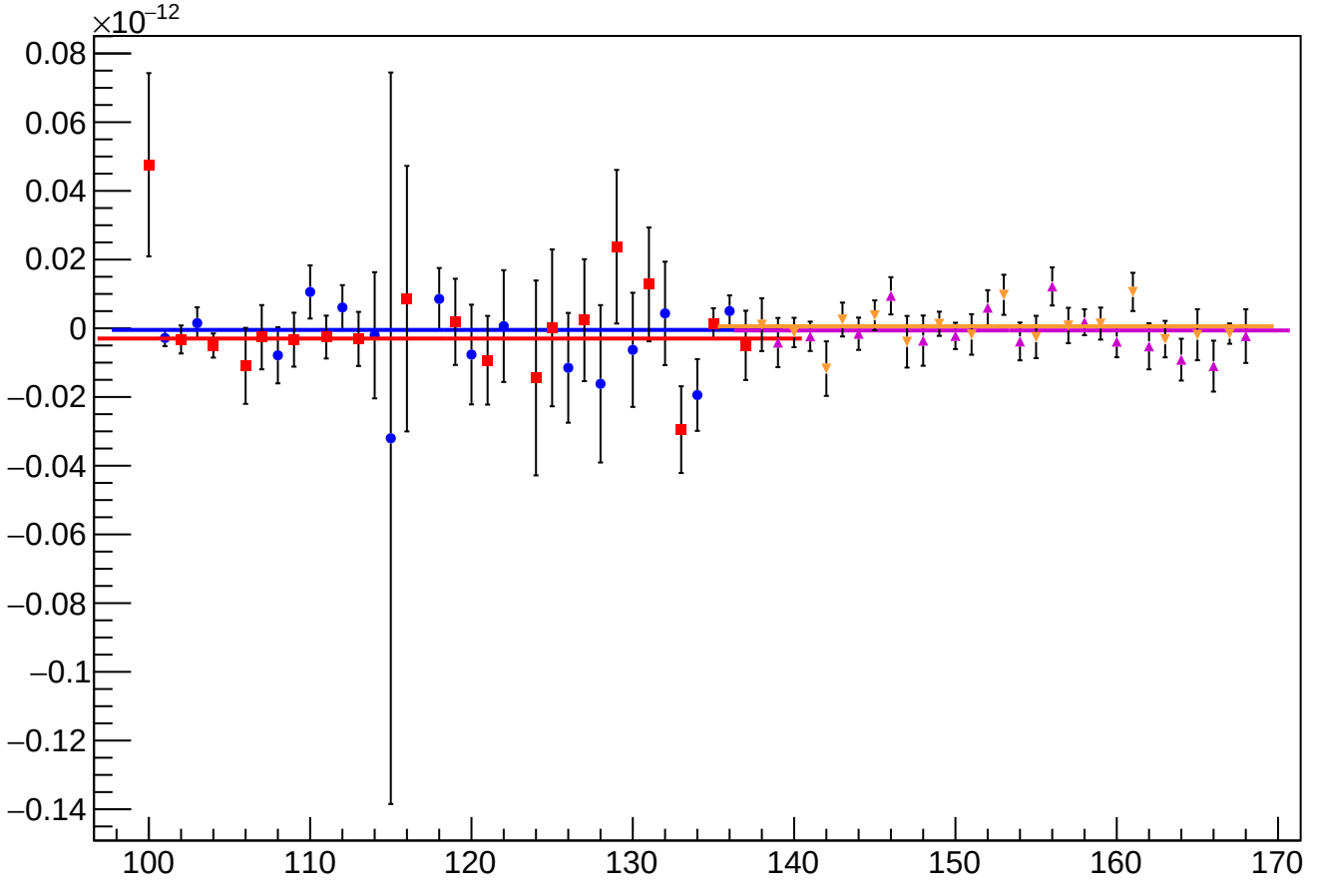
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.654+/-0.004 χ^2/NDF:725565.5/14

+ sign 18.219+/-0.003 χ^2/NDF: 2442600.6/31

All: 18.306+/-0.002 χ^2/NDF: 4250756.8/65

- sign 18.395+/-0.003 χ^2/NDF: 1806530.7/33



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.0/15

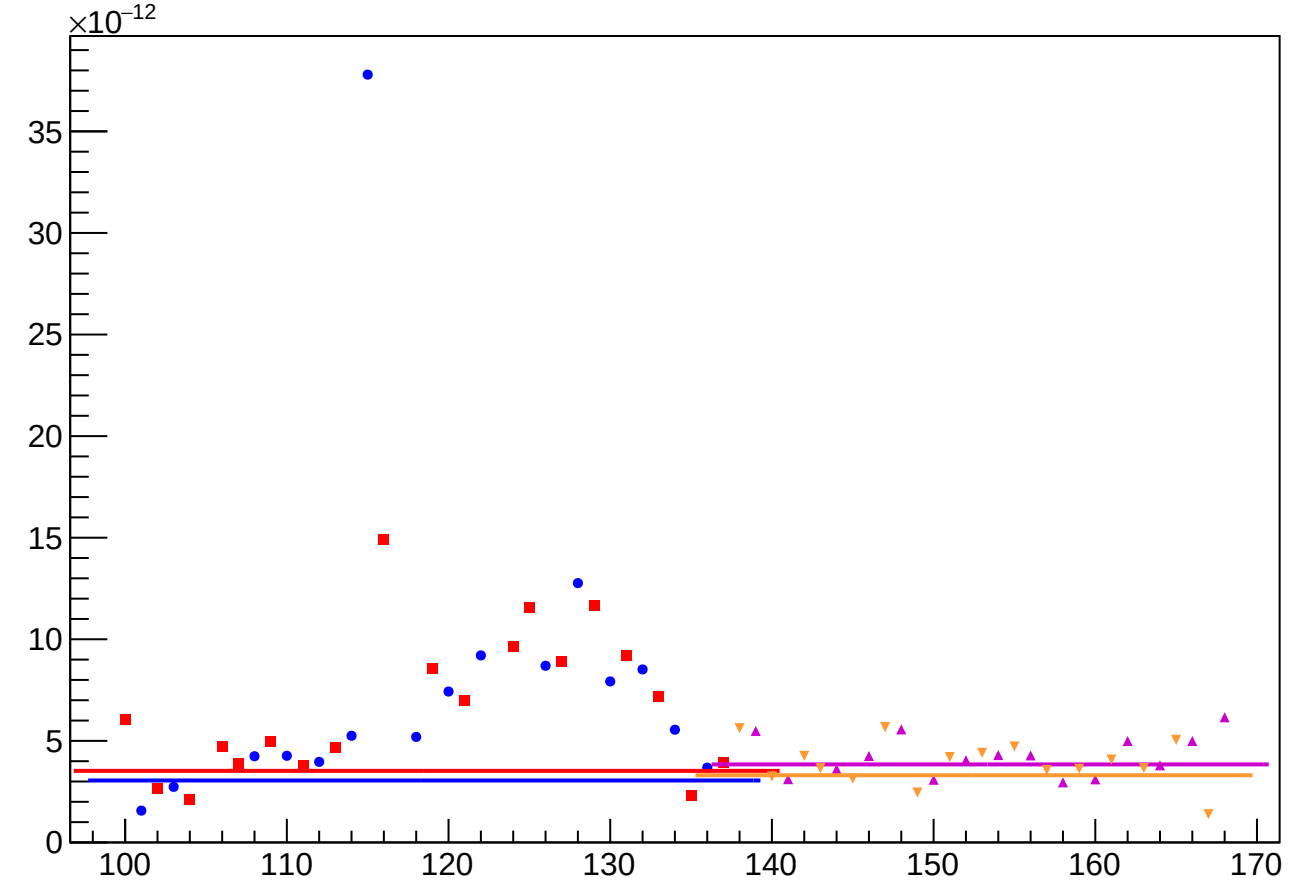
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/14

+ sign 0.000+/-0.000 χ^2/NDF: 23.5/31

All: -0.000+/-0.000 χ^2/NDF: 55.9/65

- sign -0.000+/-0.000 χ^2/NDF: 31.1/33



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1773533.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

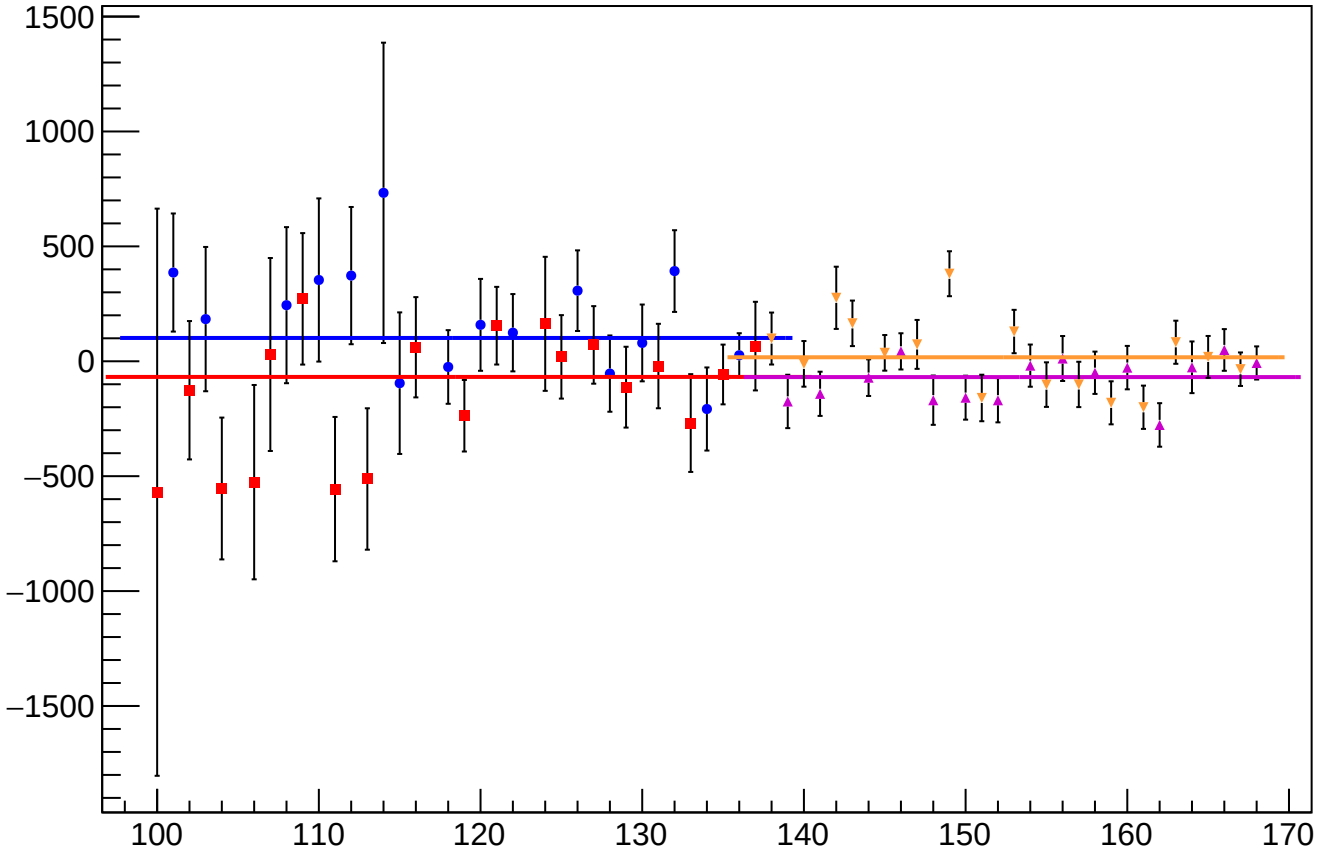
Left In: 0.000+/-0.000 χ^2/NDF:842570.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 4742380.9/31

All: 0.000+/-0.000 χ^2/NDF: 8427945.2/65

- sign 0.000+/-0.000 χ^2/NDF: 3441602.4/33

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 17.426+/-23.815 χ^2/NDF:38.9/15

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

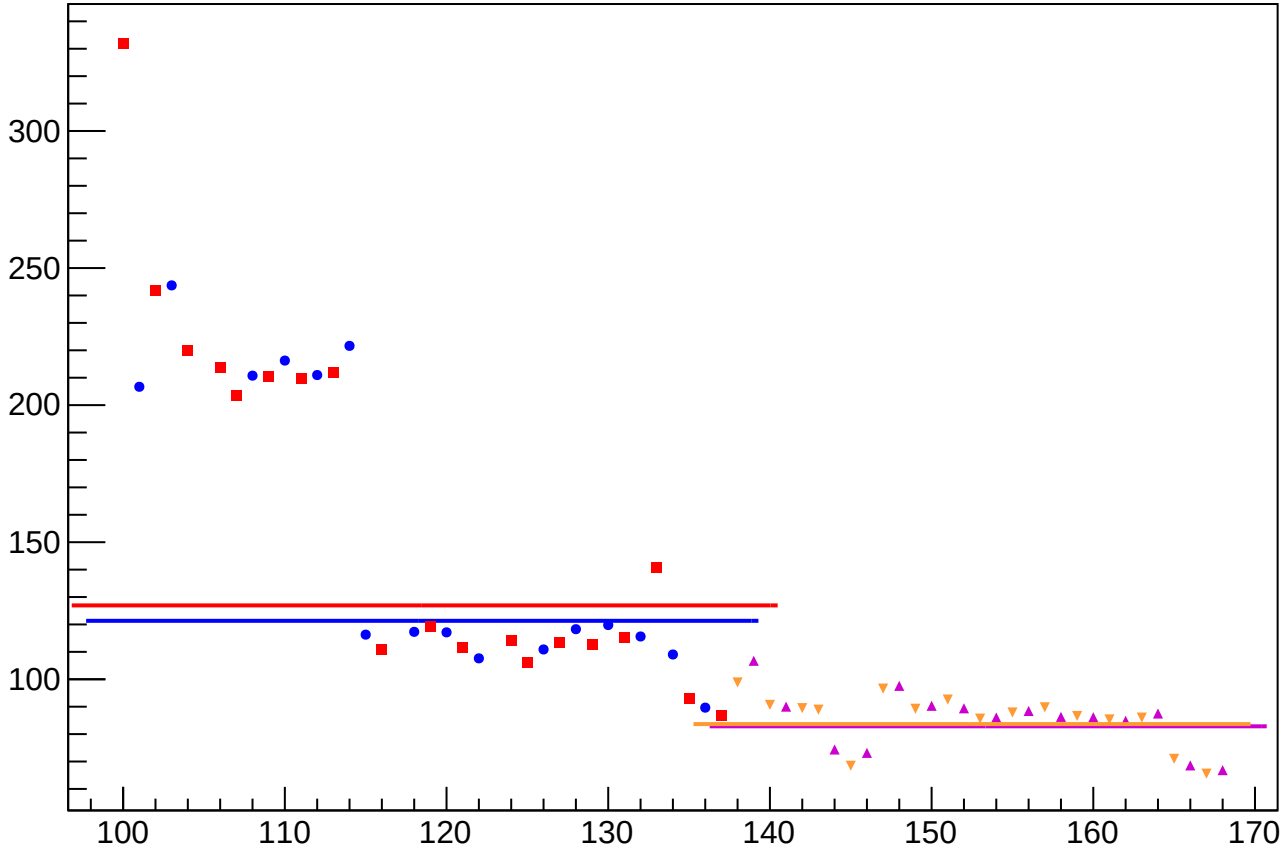
Left In: -68.772+/-23.819 χ^2/NDF:14.9/14

+ sign 34.233+/-21.301 χ^2/NDF: 54.7/31

All: -16.849+/-15.114 χ^2/NDF: 97.3/65

- sign -68.646+/-21.449 χ^2/NDF: 31.0/33

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 83.654+/-0.017 χ^2/NDF:361748.1/15

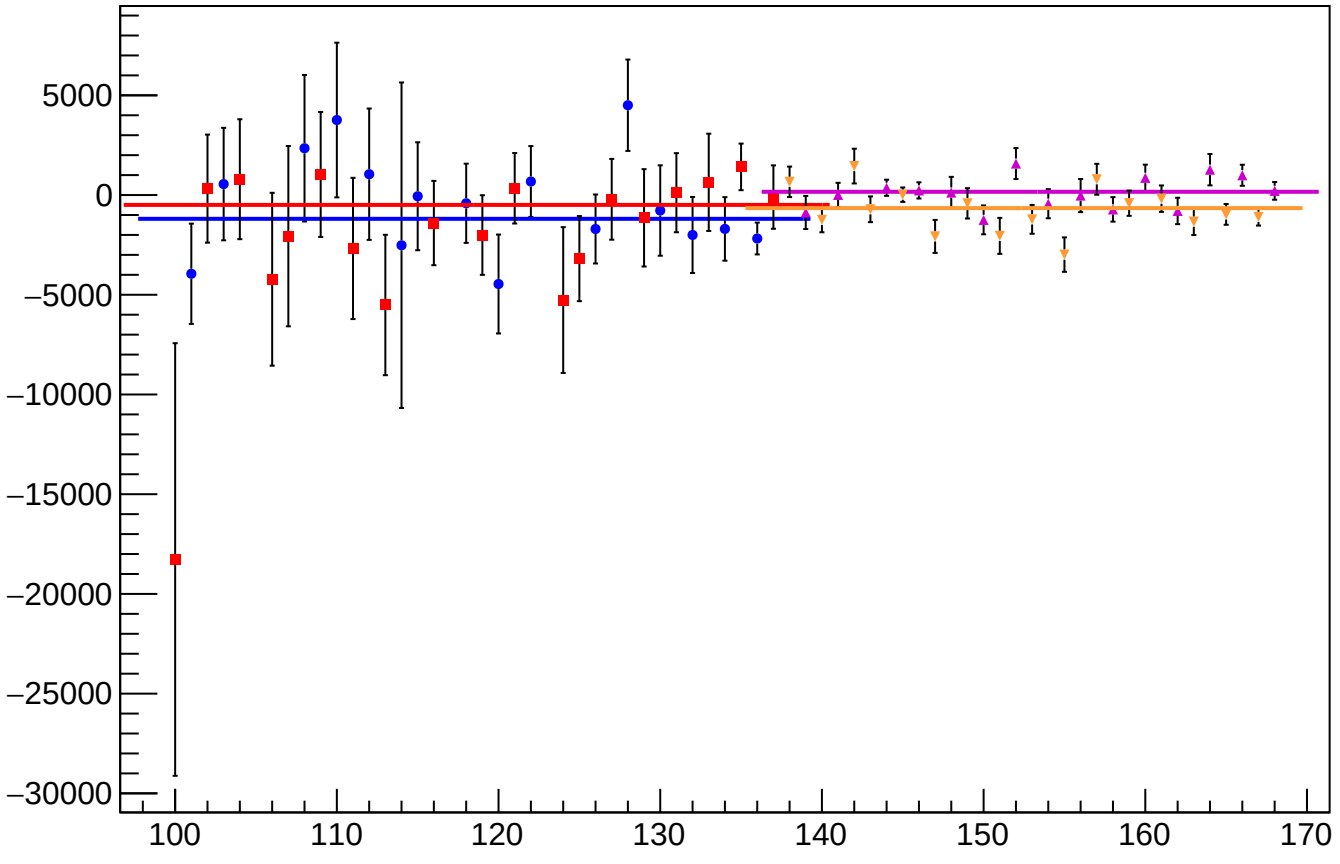
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 82.842+/-0.017 χ^2/NDF:374399.6/14

+ sign 91.188+/-0.015 χ^2/NDF: 2649286.3/31

All: 91.184+/-0.011 χ^2/NDF: 5791768.4/65

- sign 91.181+/-0.015 χ^2/NDF: 3142482.0/33



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -654.692+/-156.208 χ^2/NDF:33.1/15

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

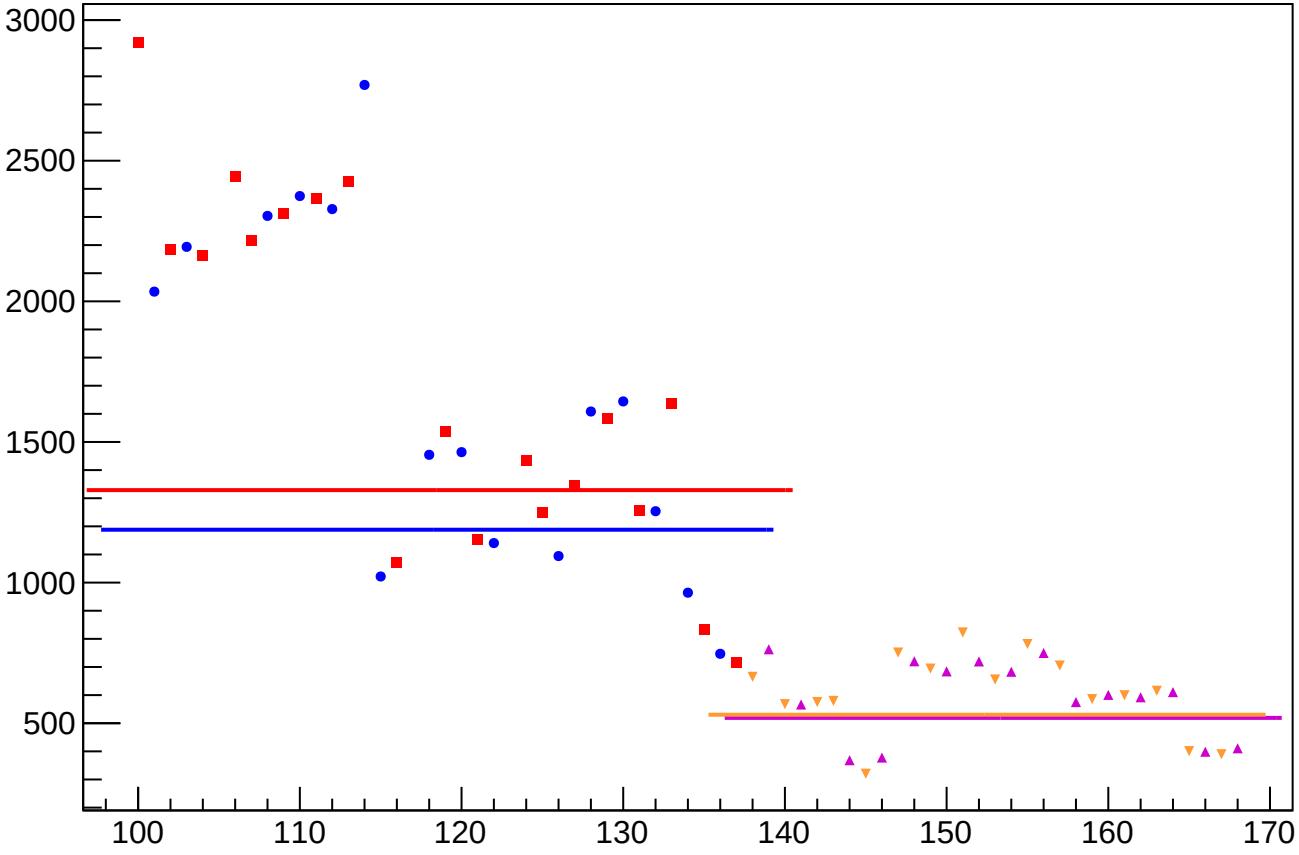
Left In: 163.411+/-153.636 χ^2/NDF:19.5/14

+ sign -706.376+/-148.508 χ^2/NDF: 50.1/31

All: -294.620+/-104.610 χ^2/NDF: 100.3/65

- sign 110.907+/-147.380 χ^2/NDF: 34.8/33

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 530.288+/-0.110 χ^2/NDF:1938546.6/15

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

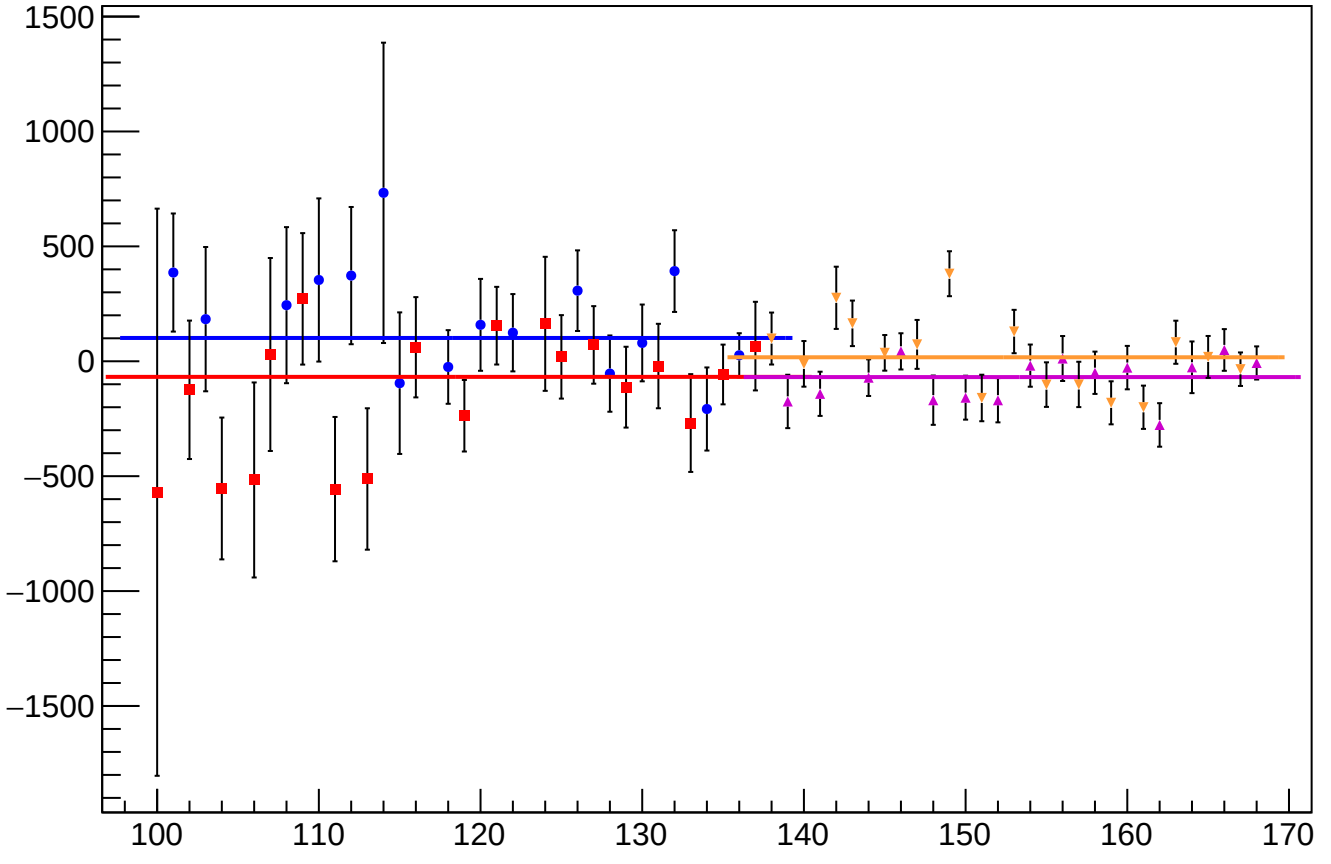
Left In: 519.034+/-0.109 χ^2/NDF:1647885.4/14

\+ sign 593.540+/-0.105 χ^2/NDF: 7393388.3/31

All: 588.555+/-0.074 χ^2/NDF: 15436735.8/65

\- sign 583.645+/-0.104 χ^2/NDF: 8038874.1/33

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 17.428+/-23.815 χ^2/NDF:38.9/15

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

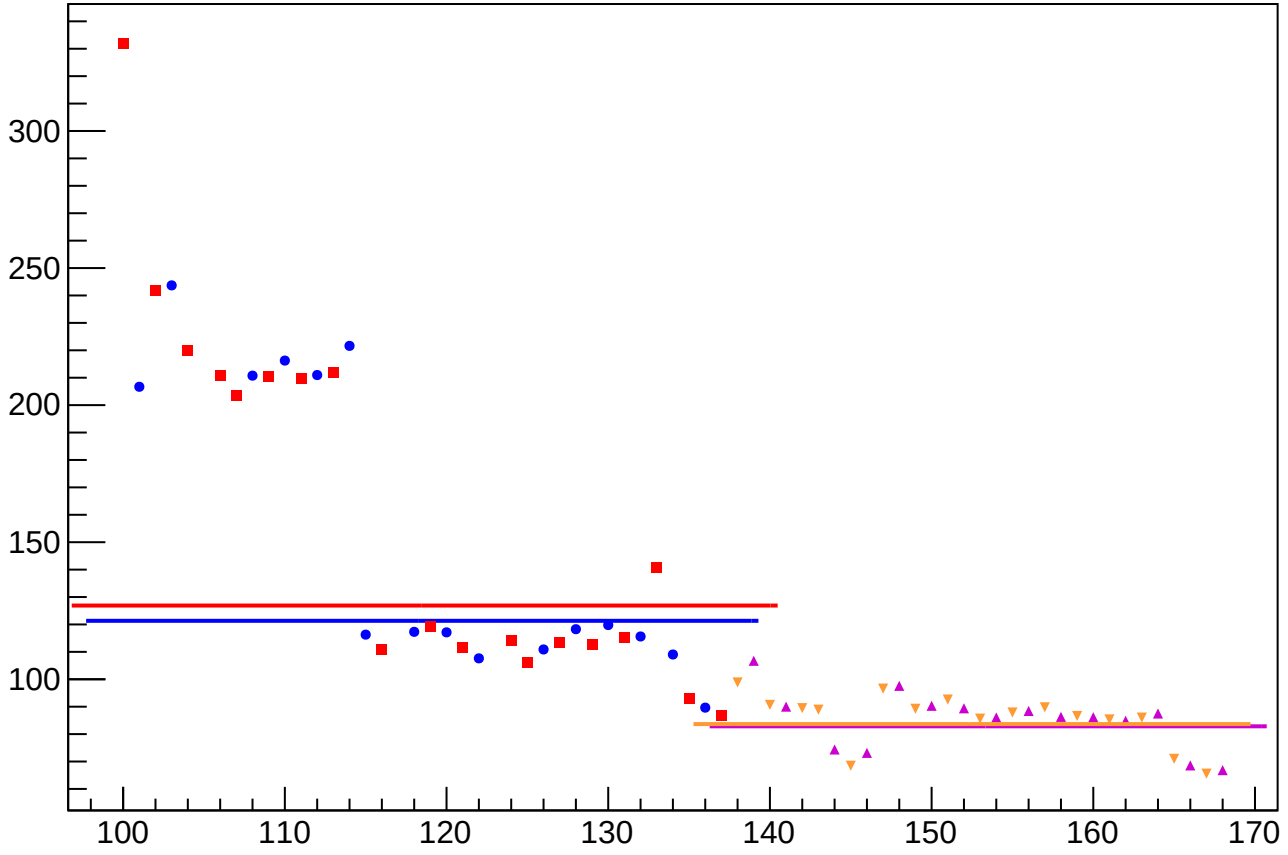
Left In: -68.772+/-23.819 χ^2/NDF:14.9/14

+ sign 34.231+/-21.301 χ^2/NDF: 54.7/31

All: -16.828+/-15.114 χ^2/NDF: 97.2/65

- sign -68.603+/-21.450 χ^2/NDF: 31.0/33

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 83.654+/-0.017 χ^2/NDF:361748.0/15

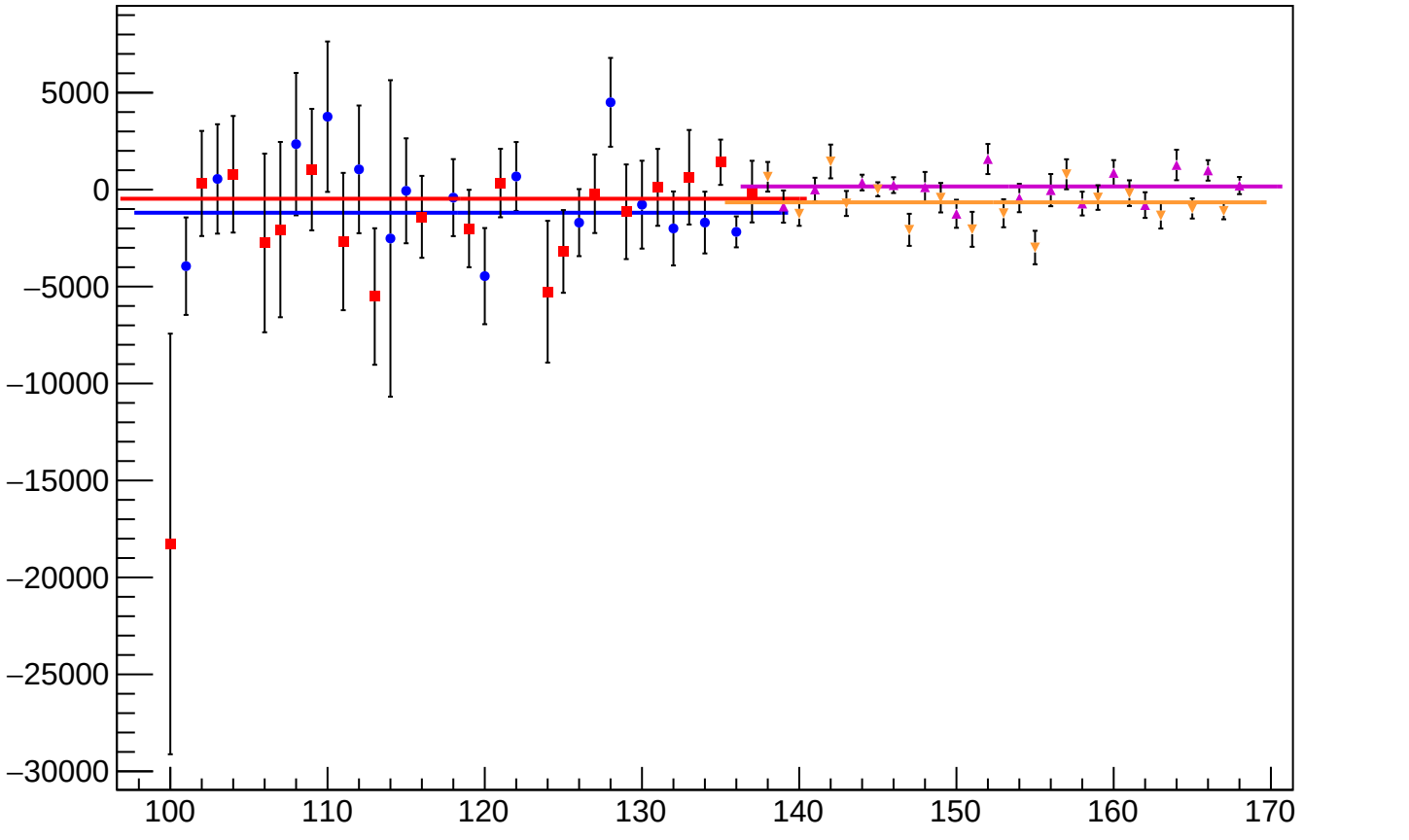
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 82.842+/-0.017 χ^2/NDF:374399.6/14

+ sign 91.188+/-0.015 χ^2/NDF: 2649288.4/31

All: 91.179+/-0.011 χ^2/NDF: 5782587.7/65

- sign 91.170+/-0.015 χ^2/NDF: 3133298.6/33



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -654.687+/-156.208 χ^2/NDF:33.1/15

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

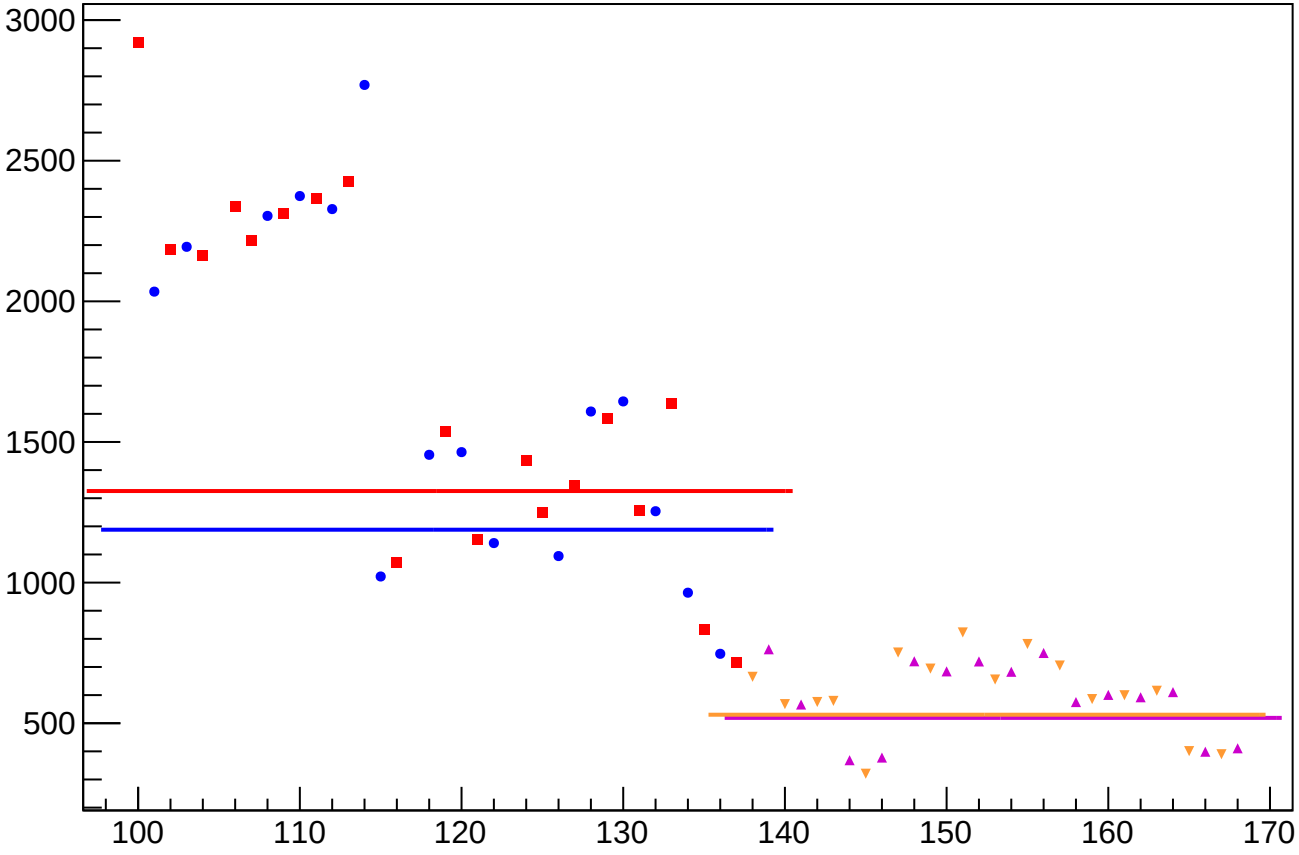
Left In: 163.409+/-153.637 χ^2/NDF:19.5/14

+ sign -706.369+/-148.508 χ^2/NDF: 50.2/31

All: -293.605+/-104.613 χ^2/NDF: 99.7/65

- sign 112.970+/-147.390 χ^2/NDF: 34.2/33

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 530.288+/-0.110 χ^2/NDF:1938555.3/15

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

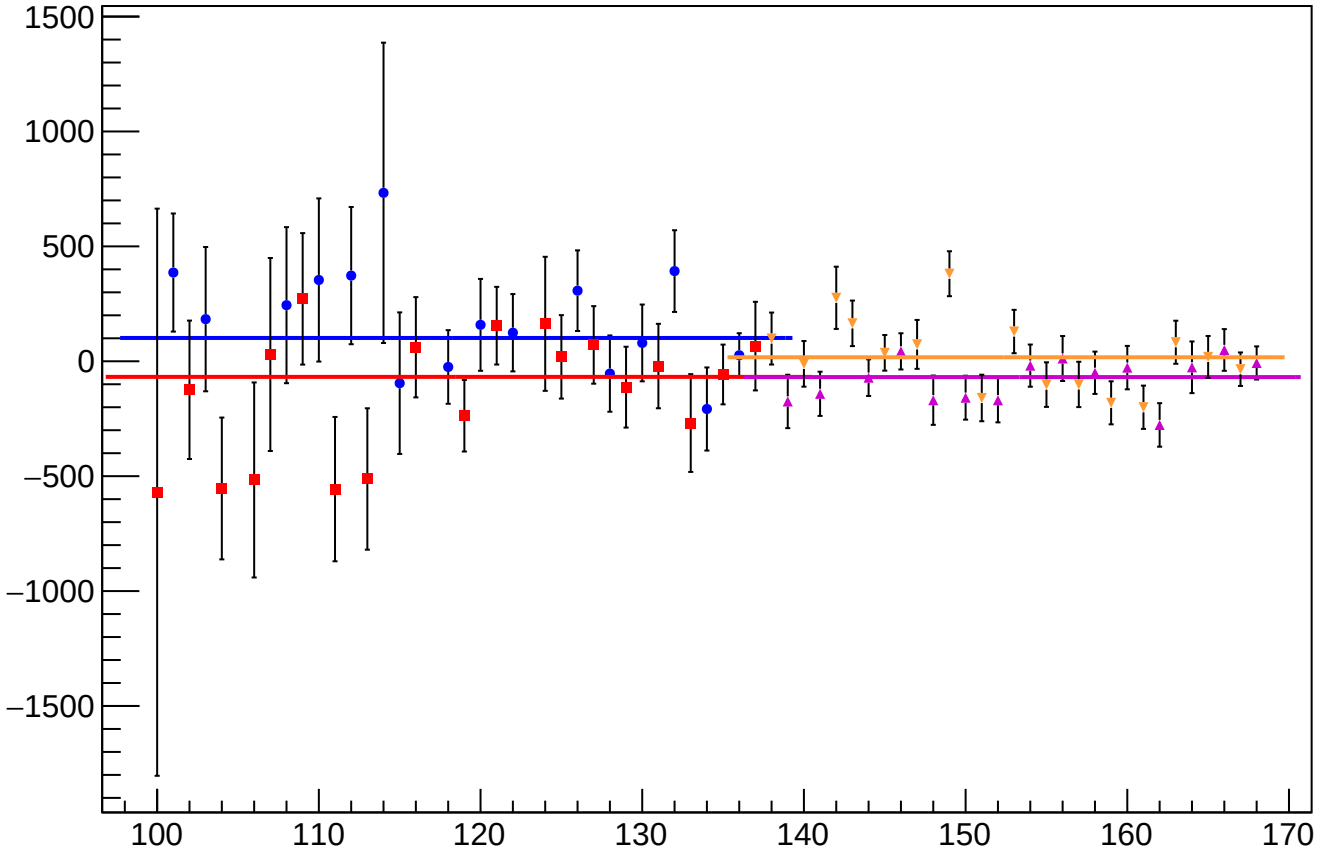
Left In: 519.034+/-0.109 χ^2/NDF:1647884.3/14

+ sign 593.540+/-0.105 χ^2/NDF: 7393421.3/31

All: 588.373+/-0.074 χ^2/NDF: 15357851.7/65

- sign 583.284+/-0.104 χ^2/NDF: 7959625.8/33

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 17.428+/-23.815 χ^2/NDF:38.9/15

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

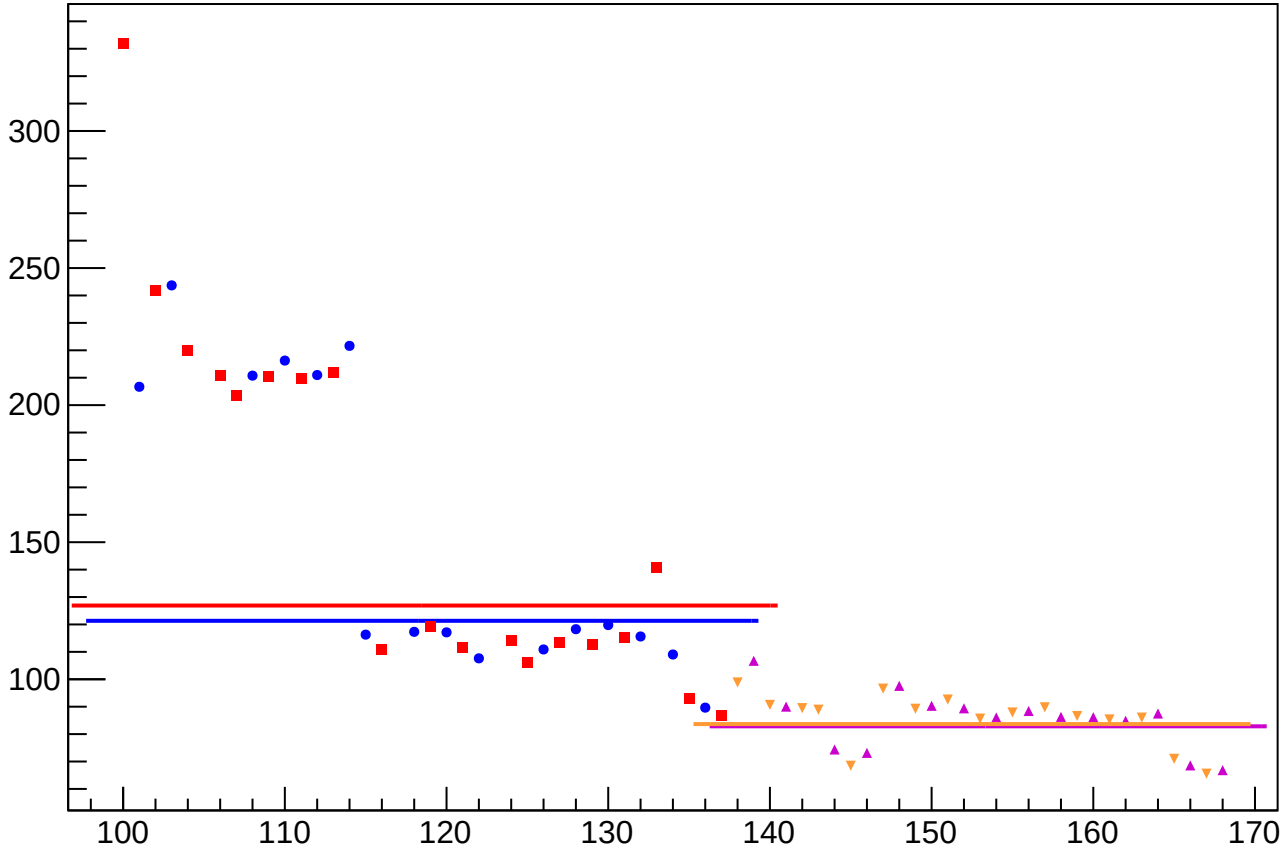
Left In: -68.772+/-23.819 χ^2/NDF:14.9/14

+ sign 34.231+/-21.301 χ^2/NDF: 54.7/31

All: -16.828+/-15.114 χ^2/NDF: 97.2/65

- sign -68.603+/-21.450 χ^2/NDF: 31.0/33

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 83.654+/-0.017 χ^2/NDF:361748.0/15

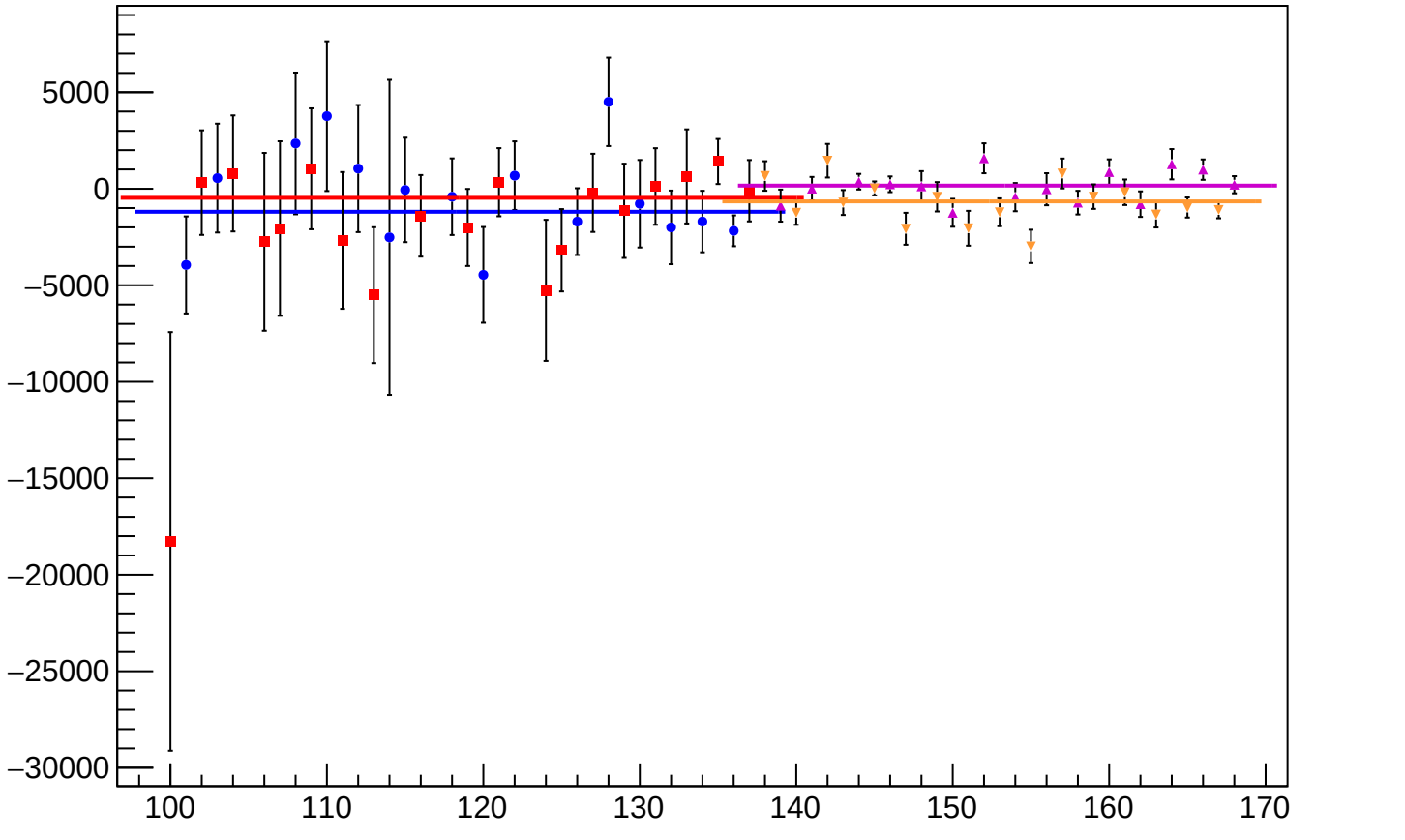
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 82.842+/-0.017 χ^2/NDF:374399.6/14

+ sign 91.188+/-0.015 χ^2/NDF: 2649288.4/31

All: 91.179+/-0.011 χ^2/NDF: 5782587.7/65

- sign 91.170+/-0.015 χ^2/NDF: 3133298.6/33



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -654.687+/-156.208 χ^2/NDF:33.1/15

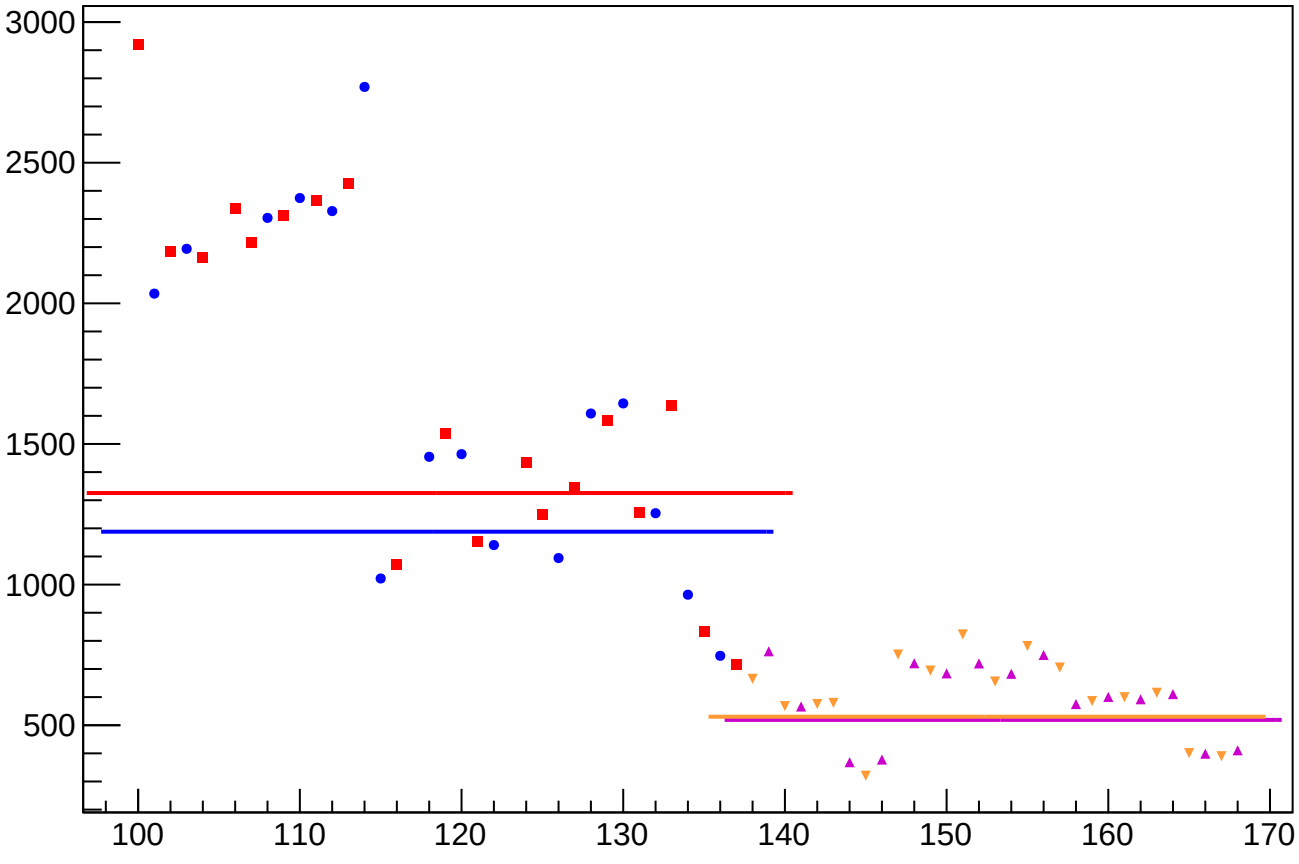
Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 163.409+/-153.637 χ^2/NDF:19.5/14

+ sign -706.369+/-148.508 χ^2/NDF: 50.2/31

All: -293.605+/-104.613 χ^2/NDF: 99.7/65

- sign 112.970+/-147.390 χ^2/NDF: 34.2/33



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 530.288+/-0.110 χ^2/NDF:1938555.3/15

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

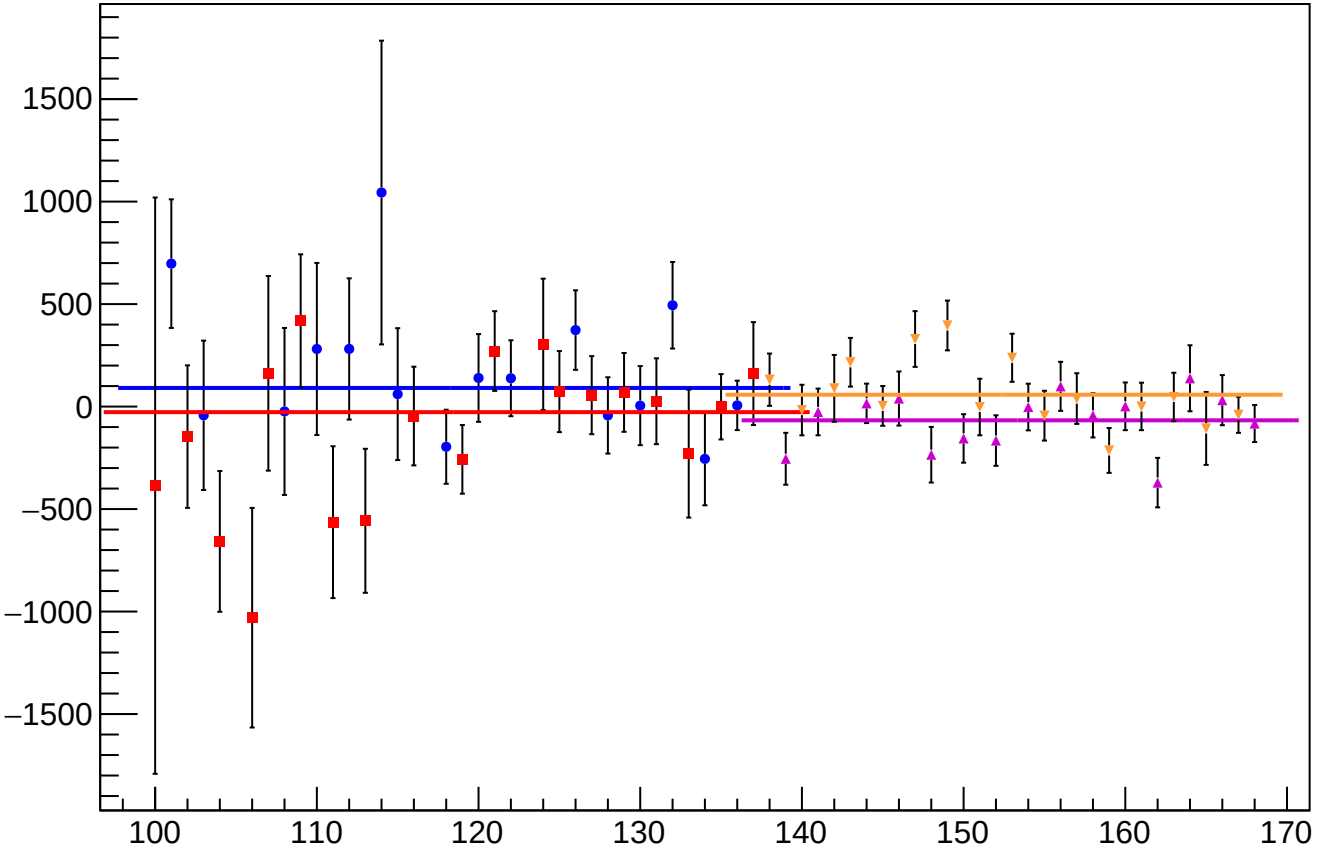
Left In: 519.034+/-0.109 χ^2/NDF:1647884.3/14

+ sign 593.540+/-0.105 χ^2/NDF: 7393421.3/31

All: 588.373+/-0.074 χ^2/NDF: 15357851.7/65

- sign 583.284+/-0.104 χ^2/NDF: 7959625.8/33

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 57.781+/-29.974 χ^2/NDF:26.4/15

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

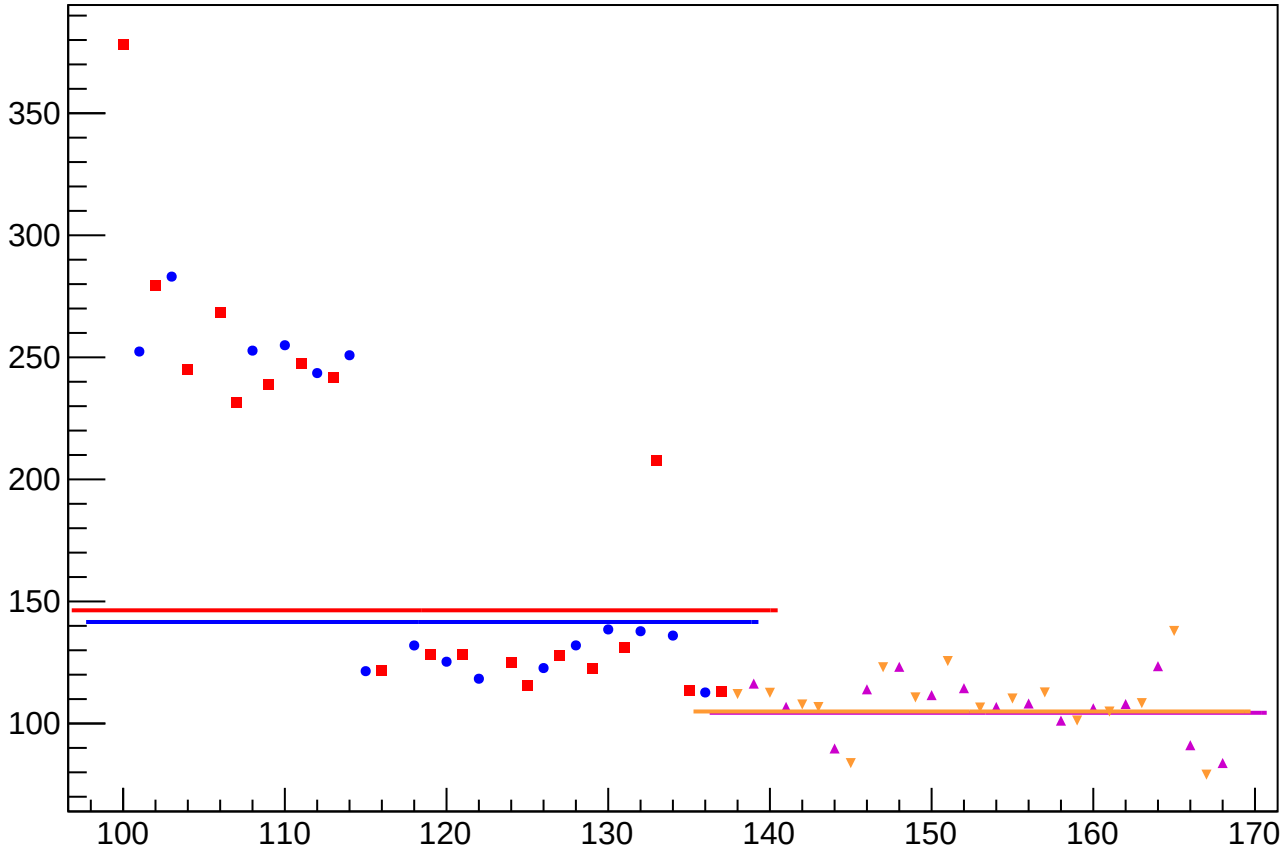
Left In: -67.075+/-30.146 χ^2/NDF:17.7/14

+ sign 65.249+/-26.381 χ^2/NDF: 44.7/31

All: 4.074+/-18.749 χ^2/NDF: 94.2/65

- sign -58.356+/-26.650 χ^2/NDF: 38.7/33

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 104.925+/-0.021 χ^2/NDF:453287.9/15

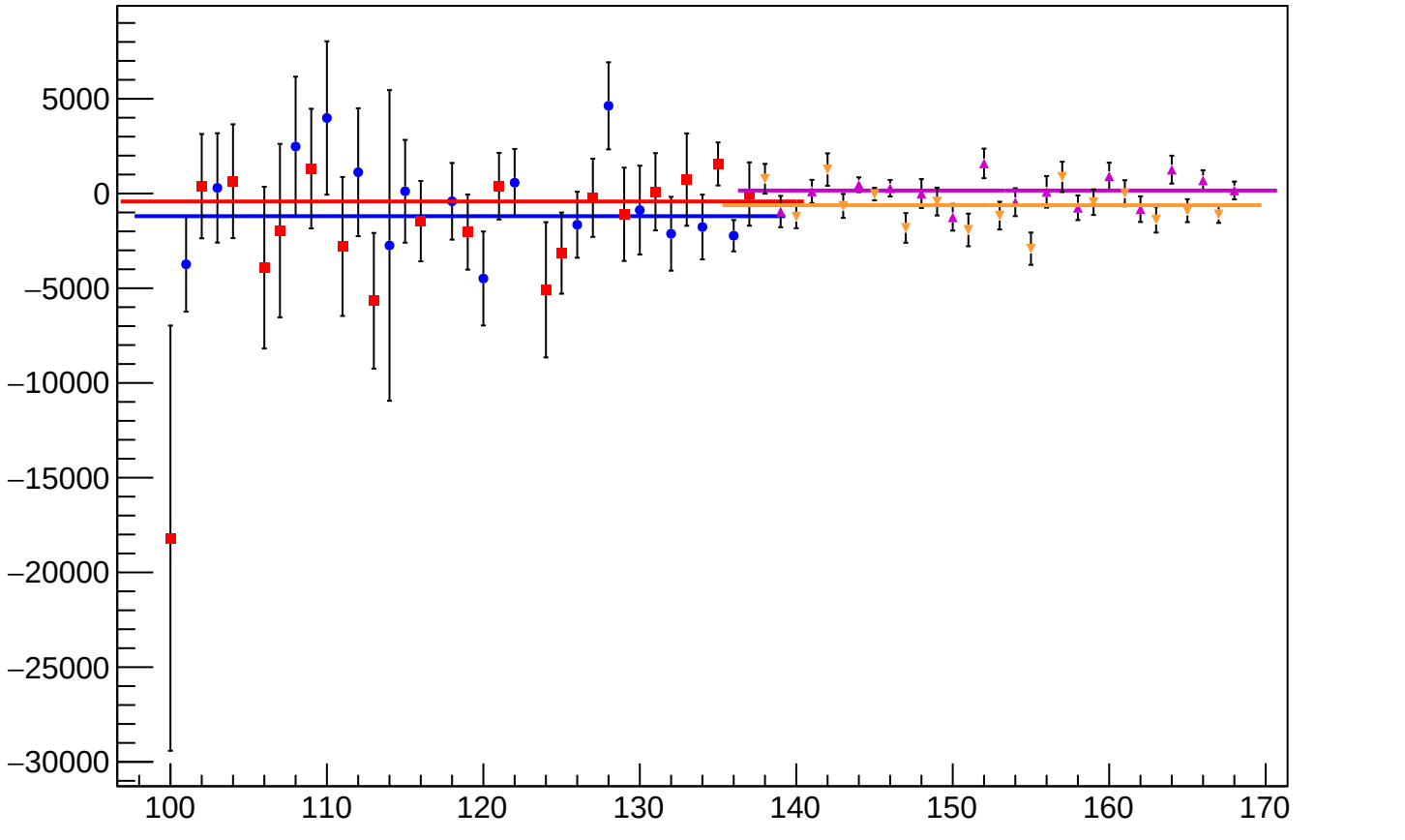
Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 104.387+/-0.021 χ^2/NDF:297585.8/14

+ sign 113.189+/-0.019 χ^2/NDF: 2390062.0/31

All: 113.372+/-0.013 χ^2/NDF: 5048905.7/65

- sign 113.560+/-0.019 χ^2/NDF: 2658648.1/33



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -618.555+/-156.246 χ^2/NDF:31.6/15

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

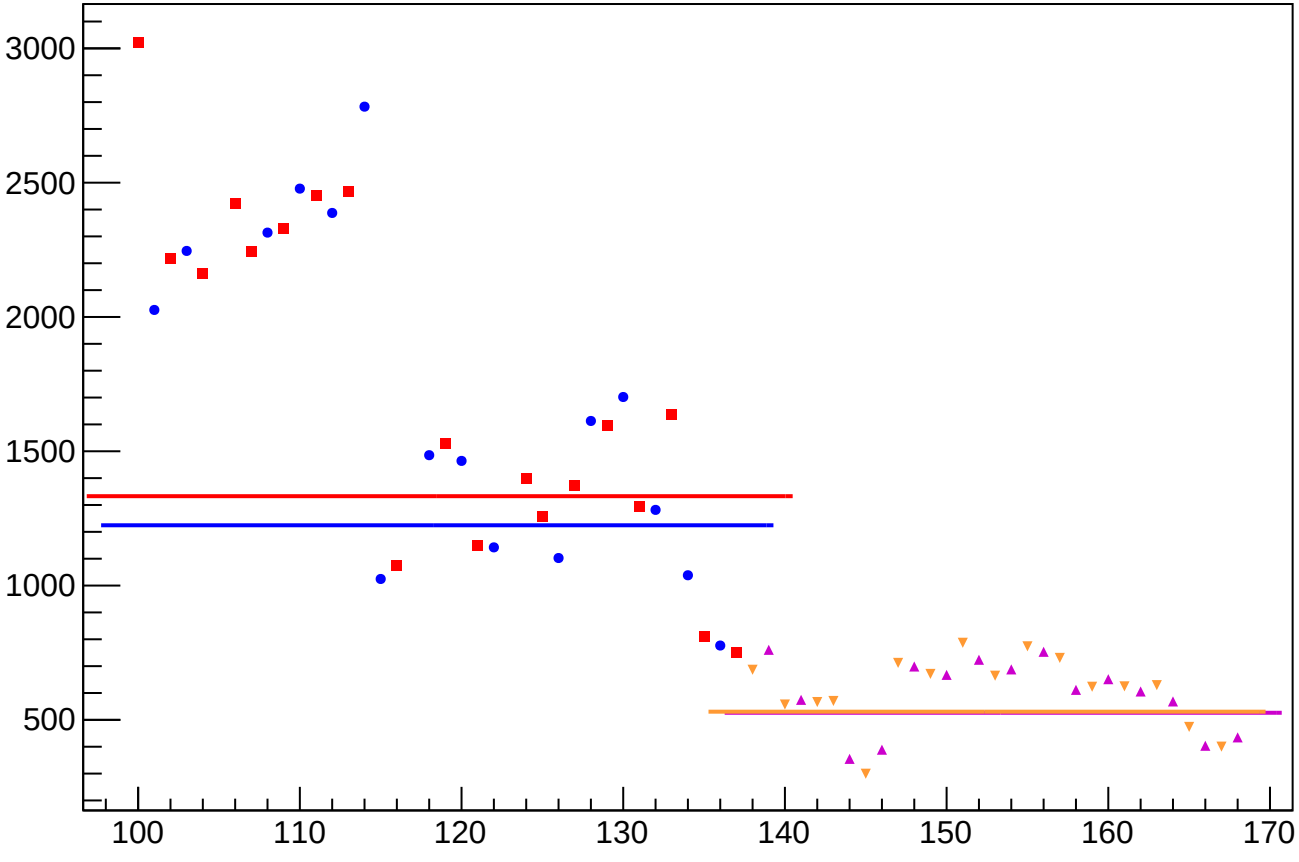
Left In: 157.489+/-156.102 χ^2/NDF:19.1/14

+ sign -671.638+/-148.900 χ^2/NDF: 48.8/31

All: -282.548+/-105.535 χ^2/NDF: 97.0/65

- sign 110.213+/-149.601 χ^2/NDF: 34.5/33

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 530.473+/-0.110 χ^2/NDF:2068514.6/15

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

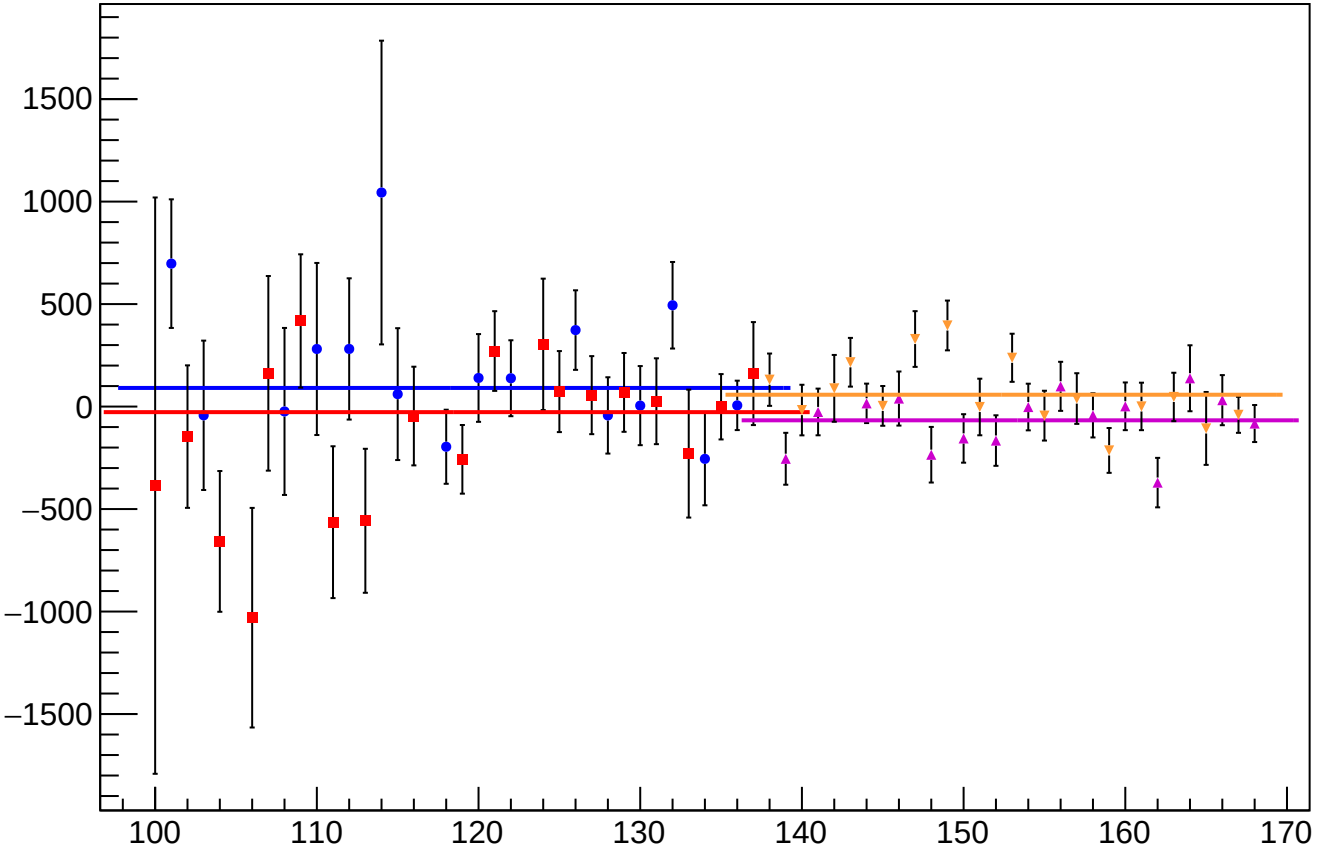
Left In: 526.406+/-0.110 χ^2/NDF:1625340.1/14

+ sign 594.197+/-0.105 χ^2/NDF: 7650927.1/31

All: 593.191+/-0.075 χ^2/NDF: 15624086.2/65

- sign 592.175+/-0.106 χ^2/NDF: 7972975.5/33

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 57.781+/-29.975 χ^2/NDF:26.4/15

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

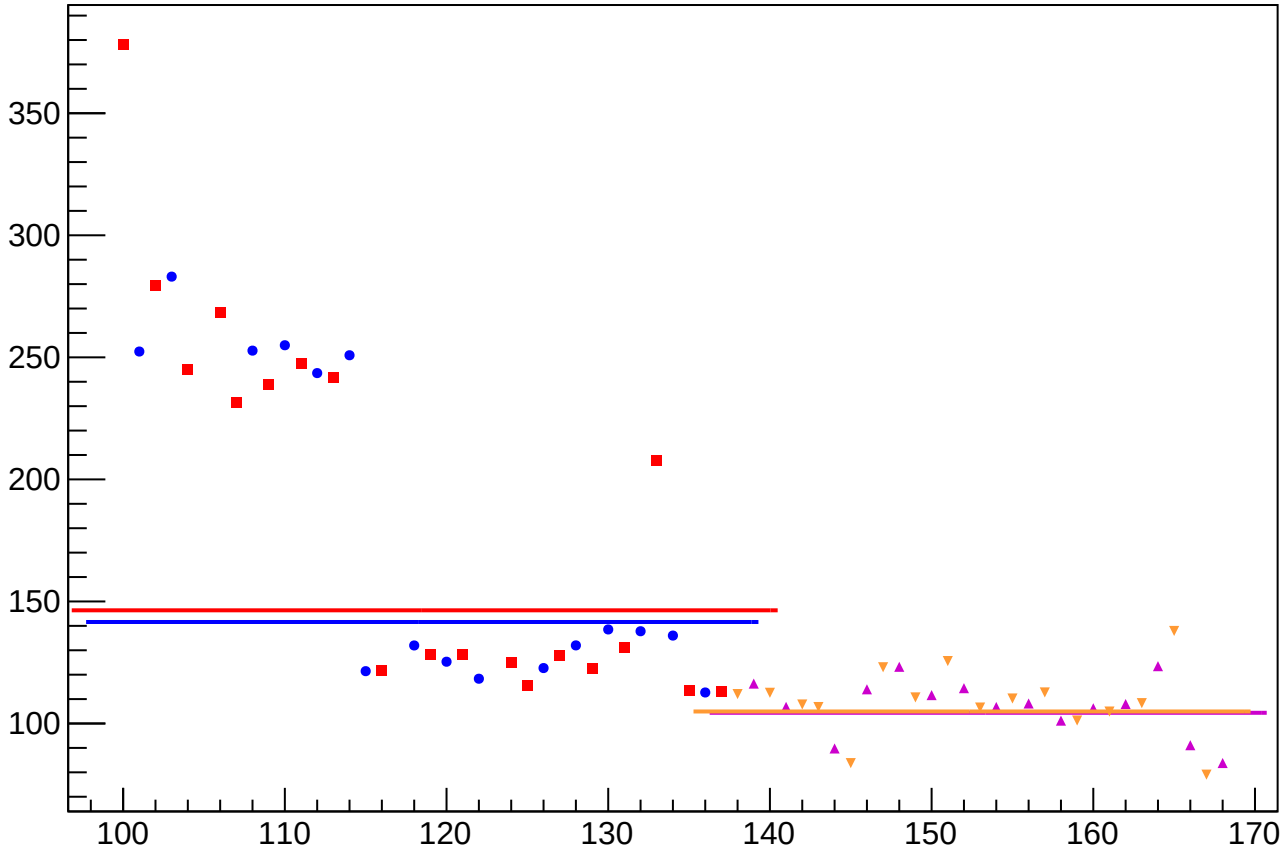
Left In: -67.072+/-30.146 χ^2/NDF:17.7/14

+ sign 65.249+/-26.381 χ^2/NDF: 44.7/31

All: 4.076+/-18.749 χ^2/NDF: 94.2/65

- sign -58.354+/-26.650 χ^2/NDF: 38.7/33

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 104.925+/-0.021 χ^2/NDF:453282.9/15

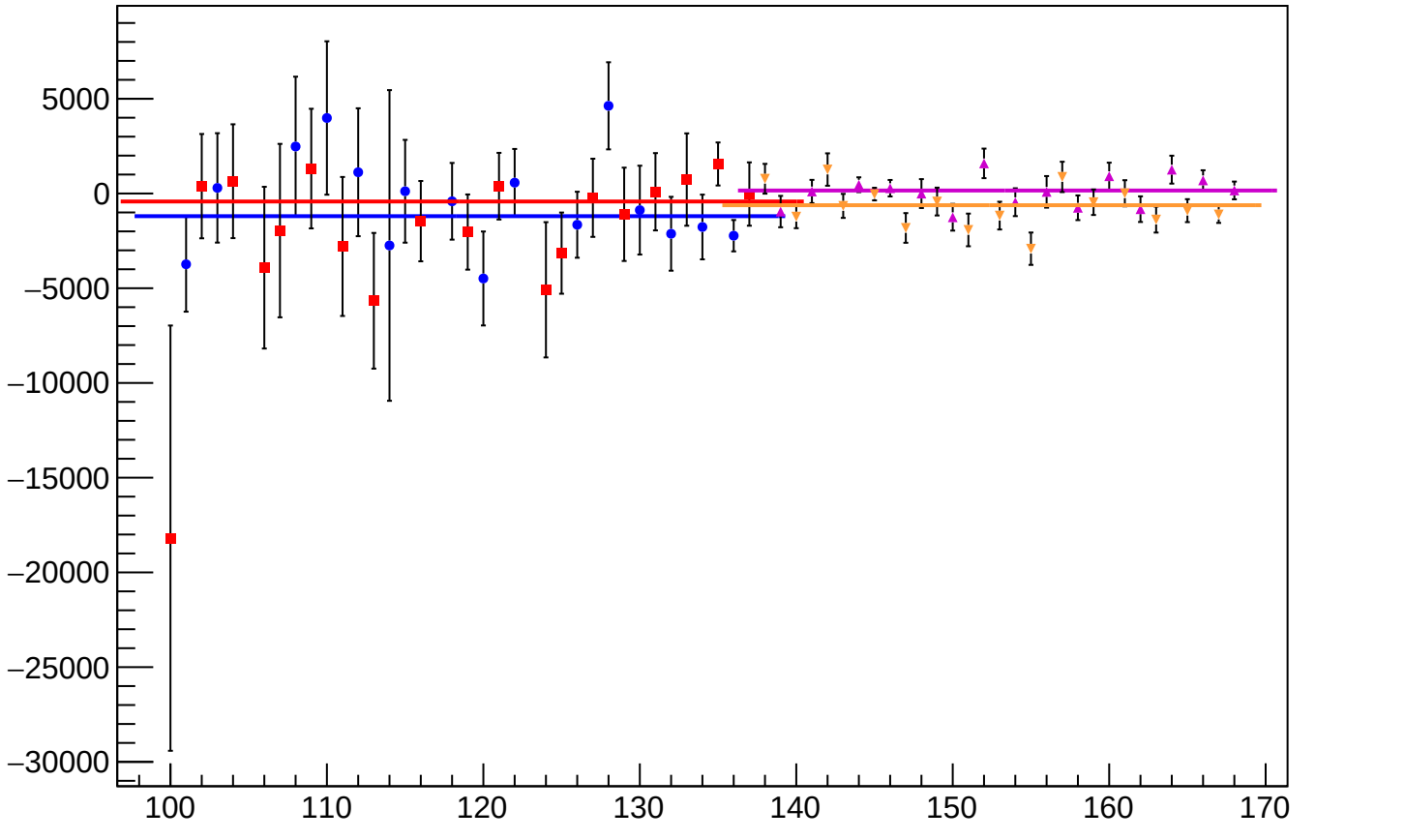
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 104.388+/-0.021 χ^2/NDF:297581.5/14

+ sign 113.189+/-0.019 χ^2/NDF: 2390009.8/31

All: 113.373+/-0.013 χ^2/NDF: 5048807.9/65

- sign 113.560+/-0.019 χ^2/NDF: 2658602.3/33



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -618.553+/-156.246 χ^2/NDF:31.6/15

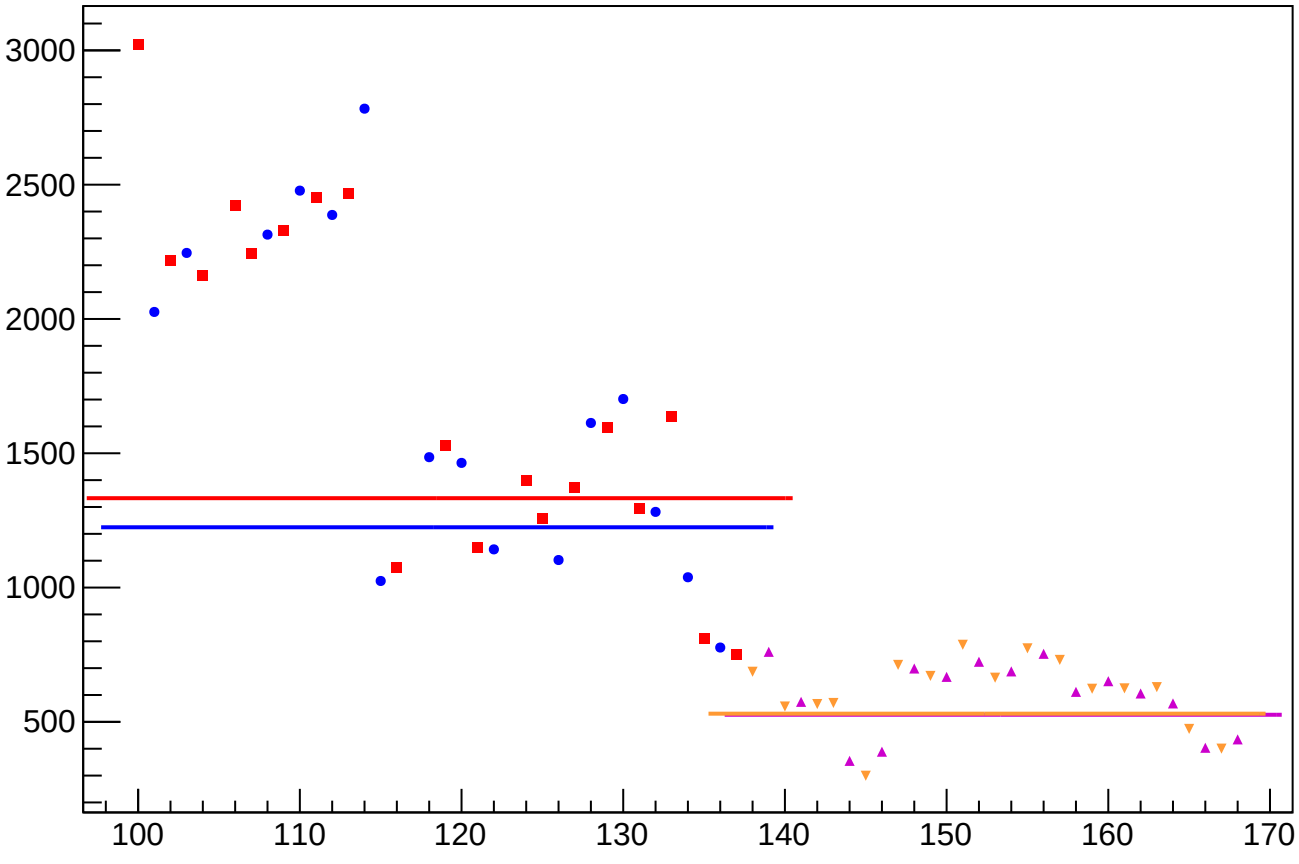
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 157.490+/-156.102 χ^2/NDF:19.1/14

+ sign -671.636+/-148.900 χ^2/NDF: 48.8/31

All: -282.547+/-105.535 χ^2/NDF: 97.0/65

- sign 110.213+/-149.600 χ^2/NDF: 34.5/33



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 530.472+/-0.110 χ^2/NDF:2068556.0/15

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

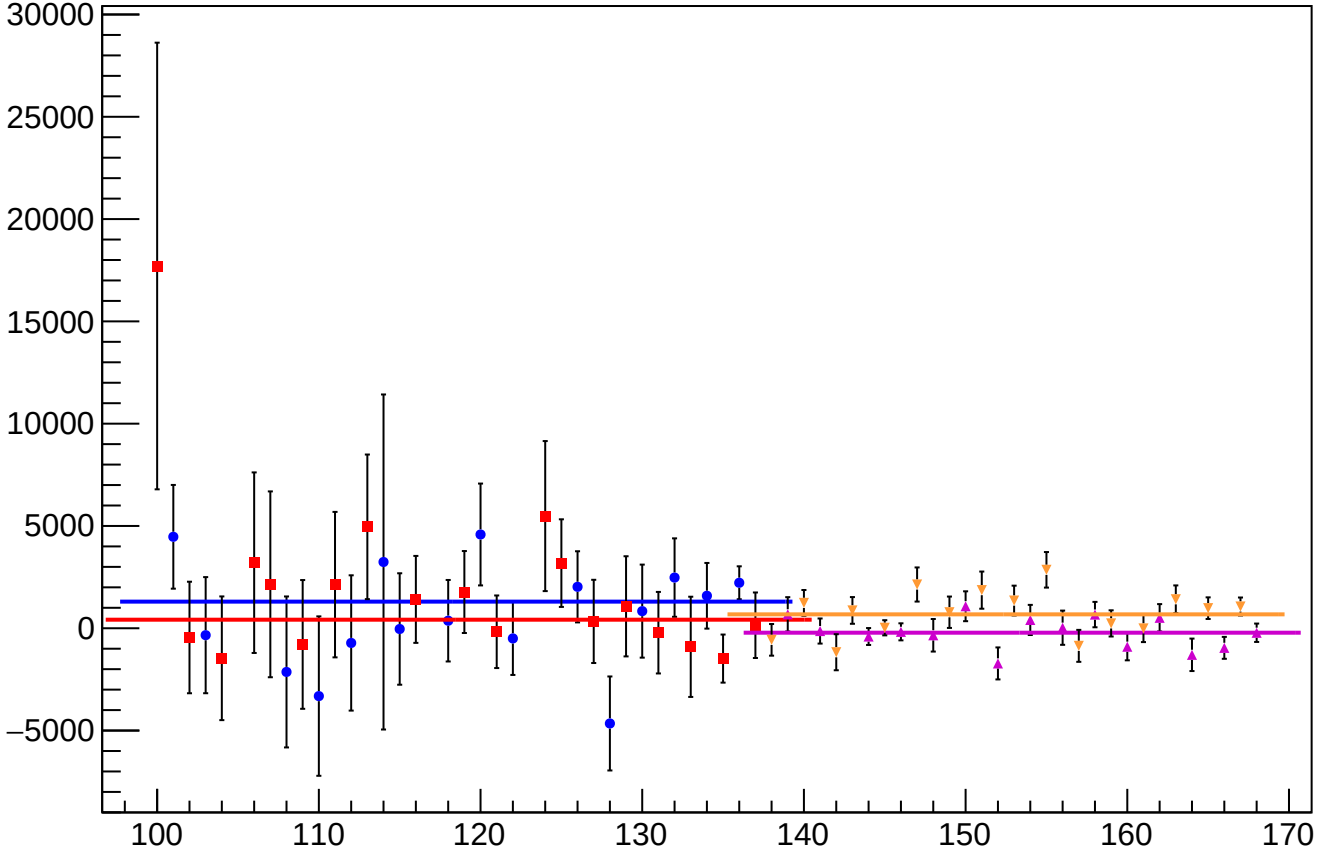
Left In: 526.406+/-0.110 χ^2/NDF:1625352.8/14

+ sign 594.196+/-0.105 χ^2/NDF: 7650964.8/31

All: 593.190+/-0.075 χ^2/NDF: 15624127.2/65

- sign 592.174+/-0.106 χ^2/NDF: 7972979.0/33

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 679.604+/-158.339 χ^2/NDF:30.6/15

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

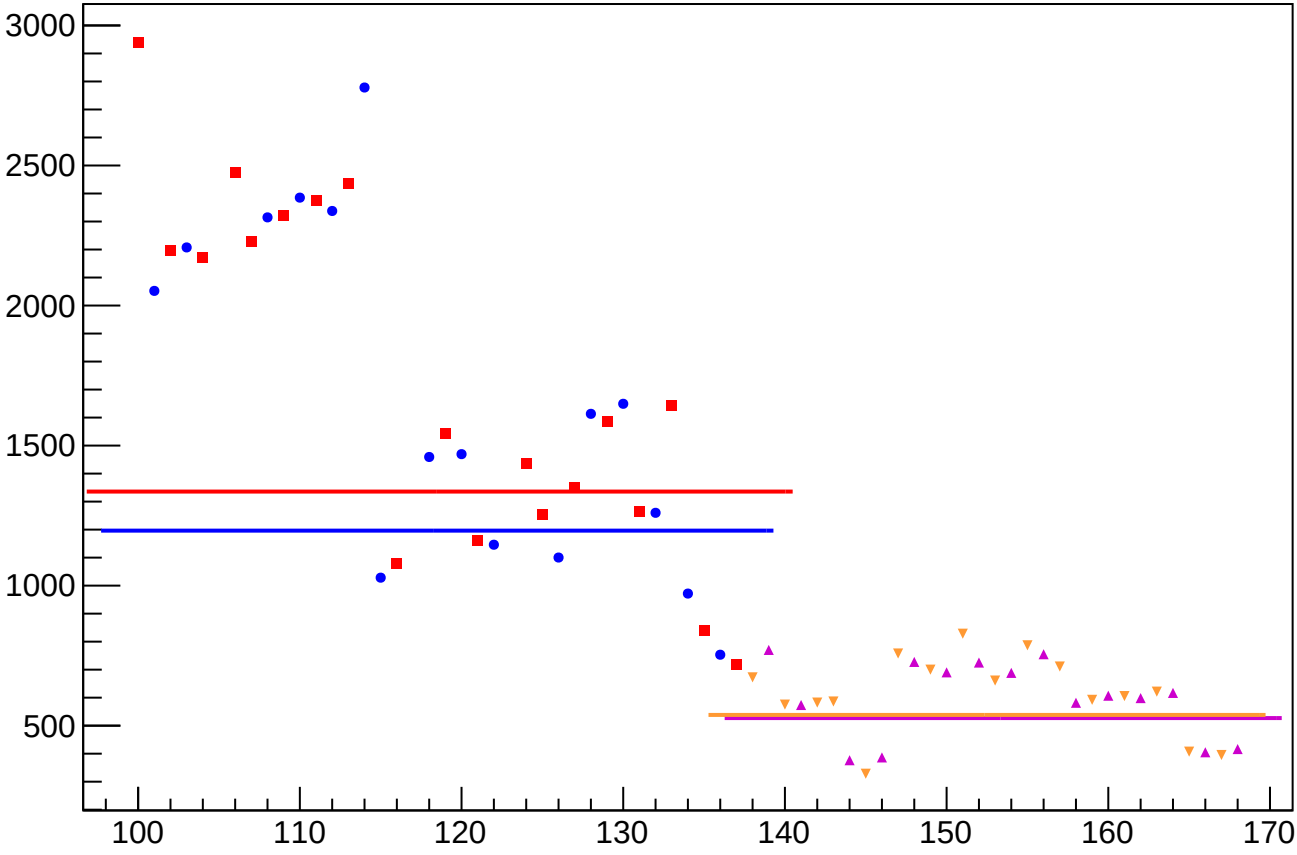
Left In: -217.561+/-155.809 χ^2/NDF:17.1/14

+ sign 740.200+/-150.429 χ^2/NDF: 48.6/31

All: 283.865+/-105.989 χ^2/NDF: 98.3/65

- sign -166.003+/-149.359 χ^2/NDF: 31.5/33

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 538.341+/-0.112 χ^2/NDF:1871828.3/15

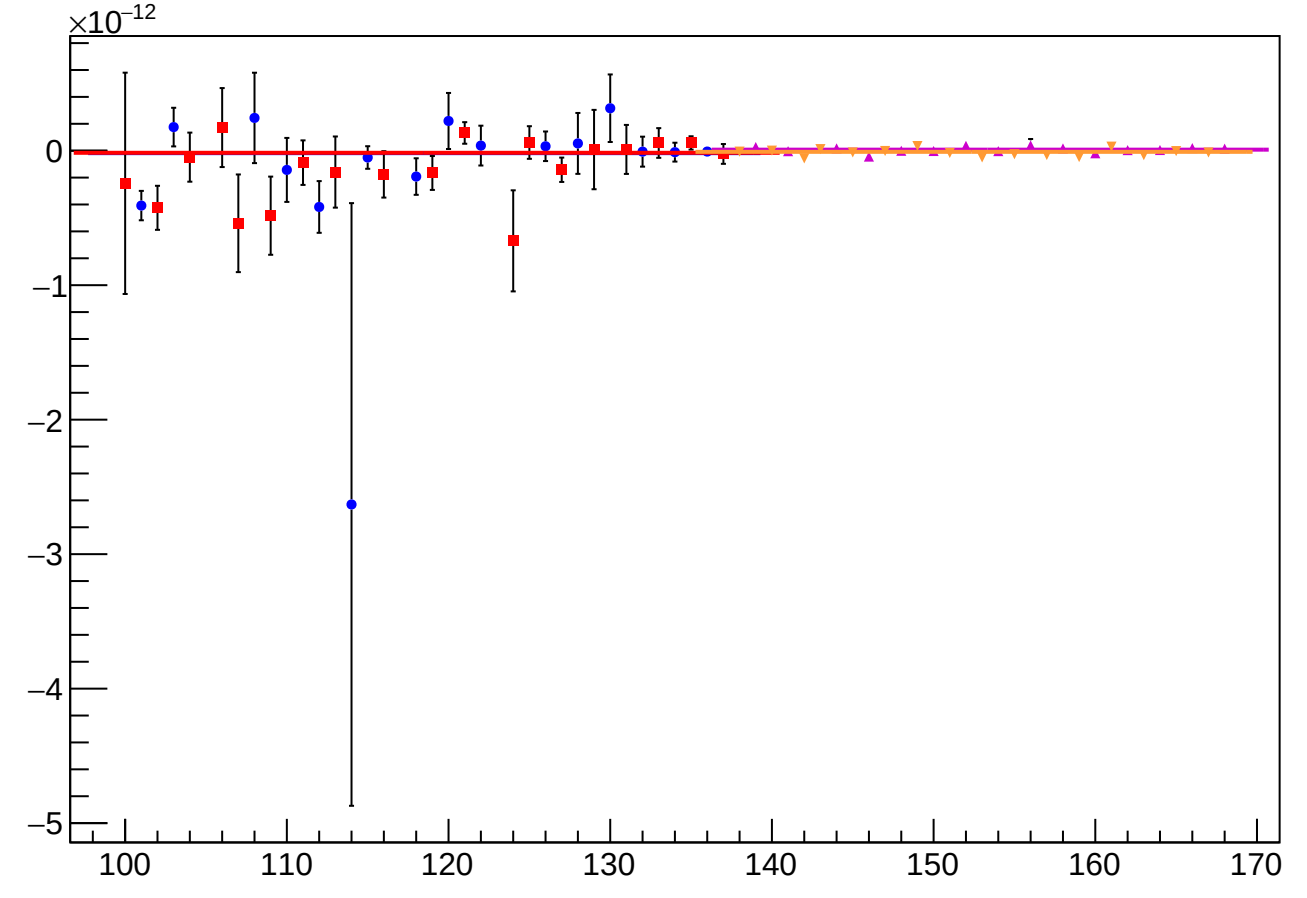
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 527.086+/-0.110 χ^2/NDF:1591429.7/14

+ sign 602.444+/-0.106 χ^2/NDF: 7268372.6/31

All: 597.518+/-0.075 χ^2/NDF: 15184590.6/65

- sign 592.662+/-0.106 χ^2/NDF: 7911959.7/33



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

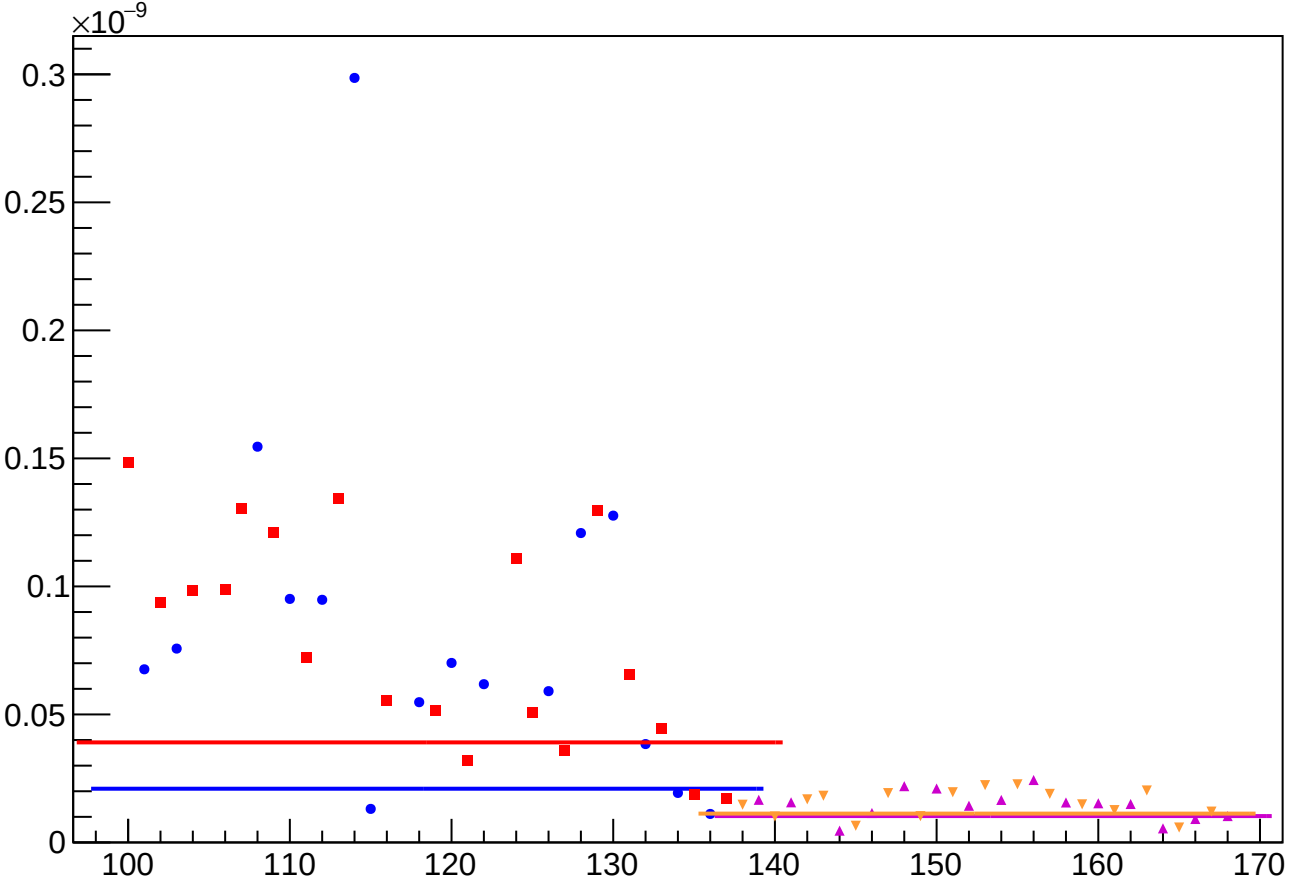
Left In: 0.000+/-0.000 χ^2/NDF:13.2/14

+ sign -0.000+/-0.000 χ^2/NDF: 41.6/31

All: -0.000+/-0.000 χ^2/NDF: 85.8/65

- sign 0.000+/-0.000 χ^2/NDF: 39.5/33

asym_sam_26_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1806620.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

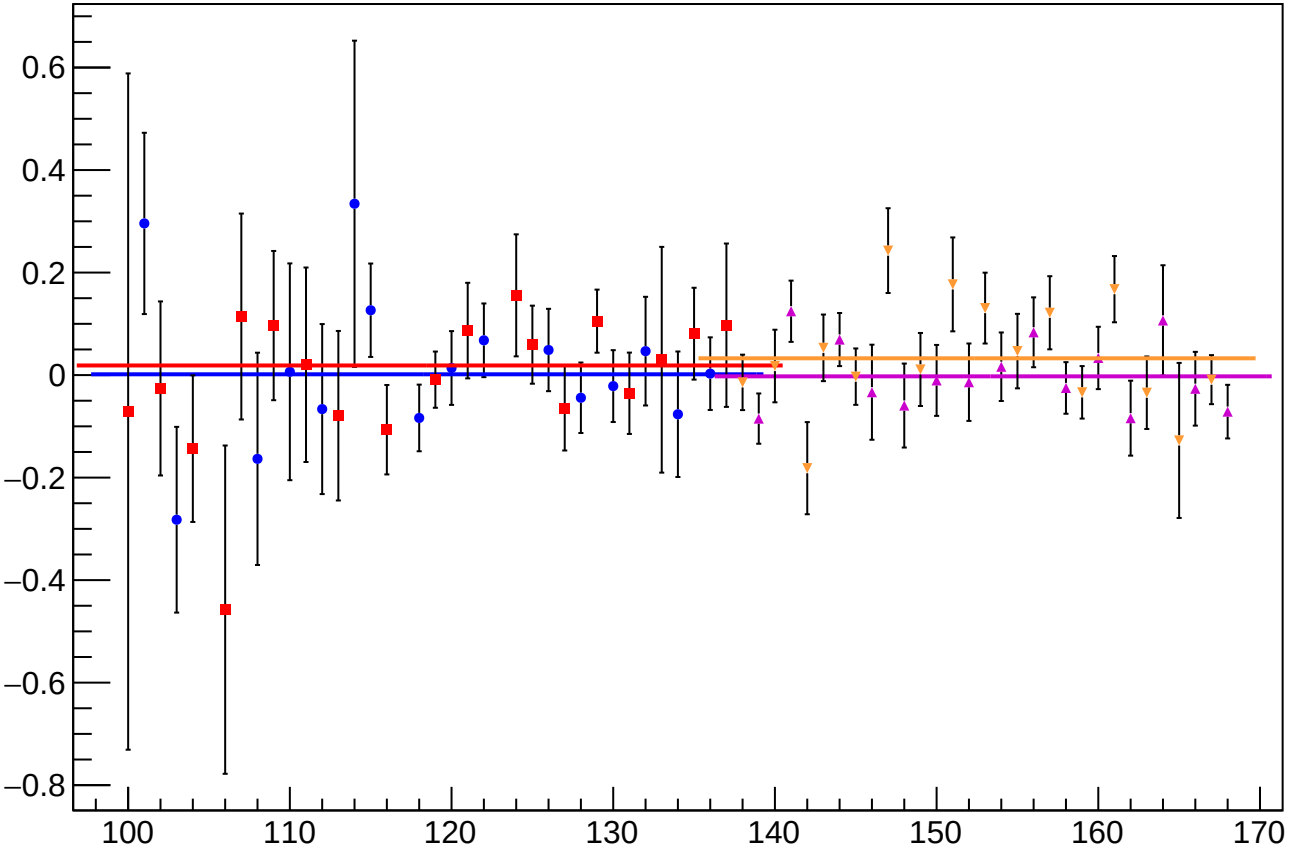
Left In: 0.000+/-0.000 χ^2/NDF:2017809.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 5732757.0/31

All: 0.000+/-0.000 χ^2/NDF: 11941152.4/65

- sign 0.000+/-0.000 χ^2/NDF: 6188961.2/33

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.033+/-0.017 χ^2/NDF:28.4/15

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

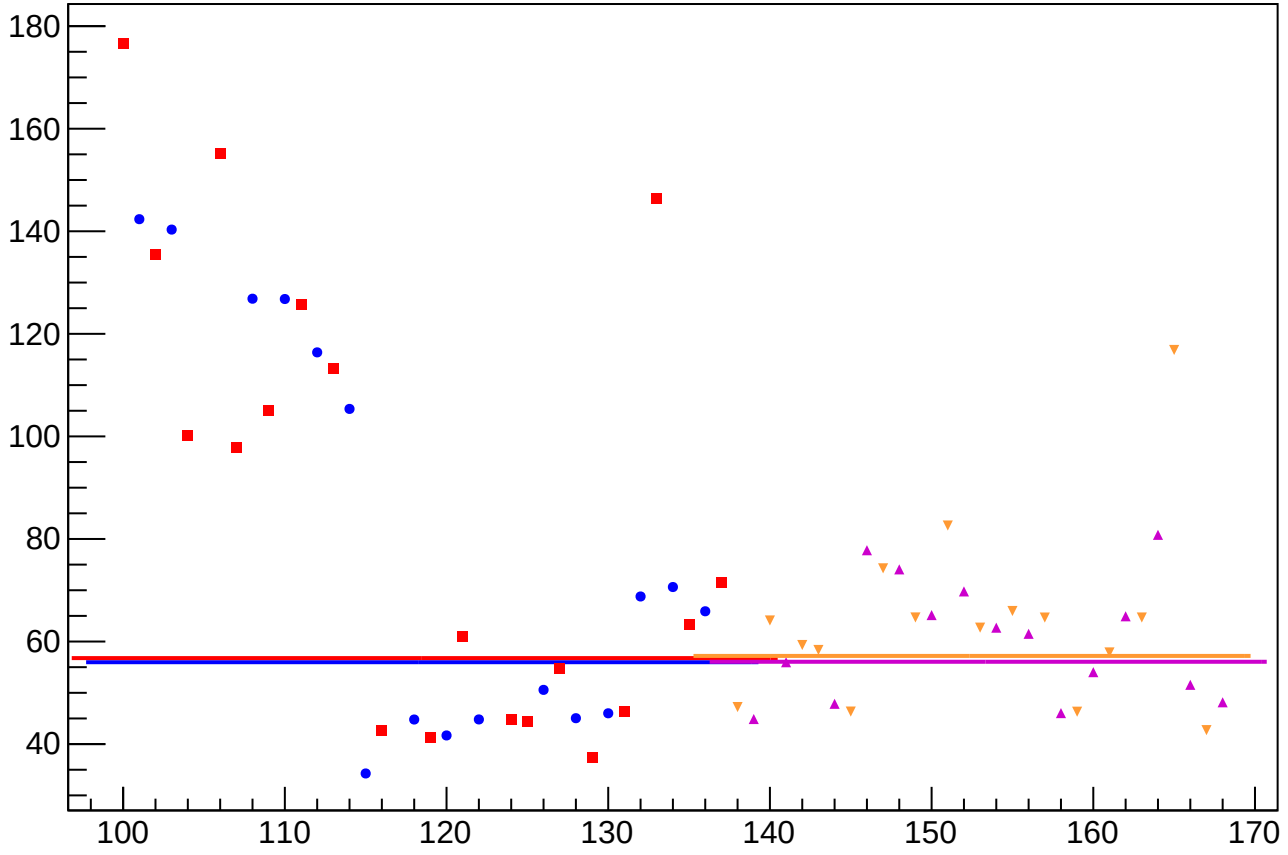
Left In: -0.002+/-0.017 χ^2/NDF:16.2/14

+ sign 0.022+/-0.014 χ^2/NDF: 42.7/31

All: 0.013+/-0.010 χ^2/NDF: 73.4/65

- sign 0.005+/-0.014 χ^2/NDF: 29.9/33

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: 57.196+/-0.012 χ^2/NDF:1099192.8/15

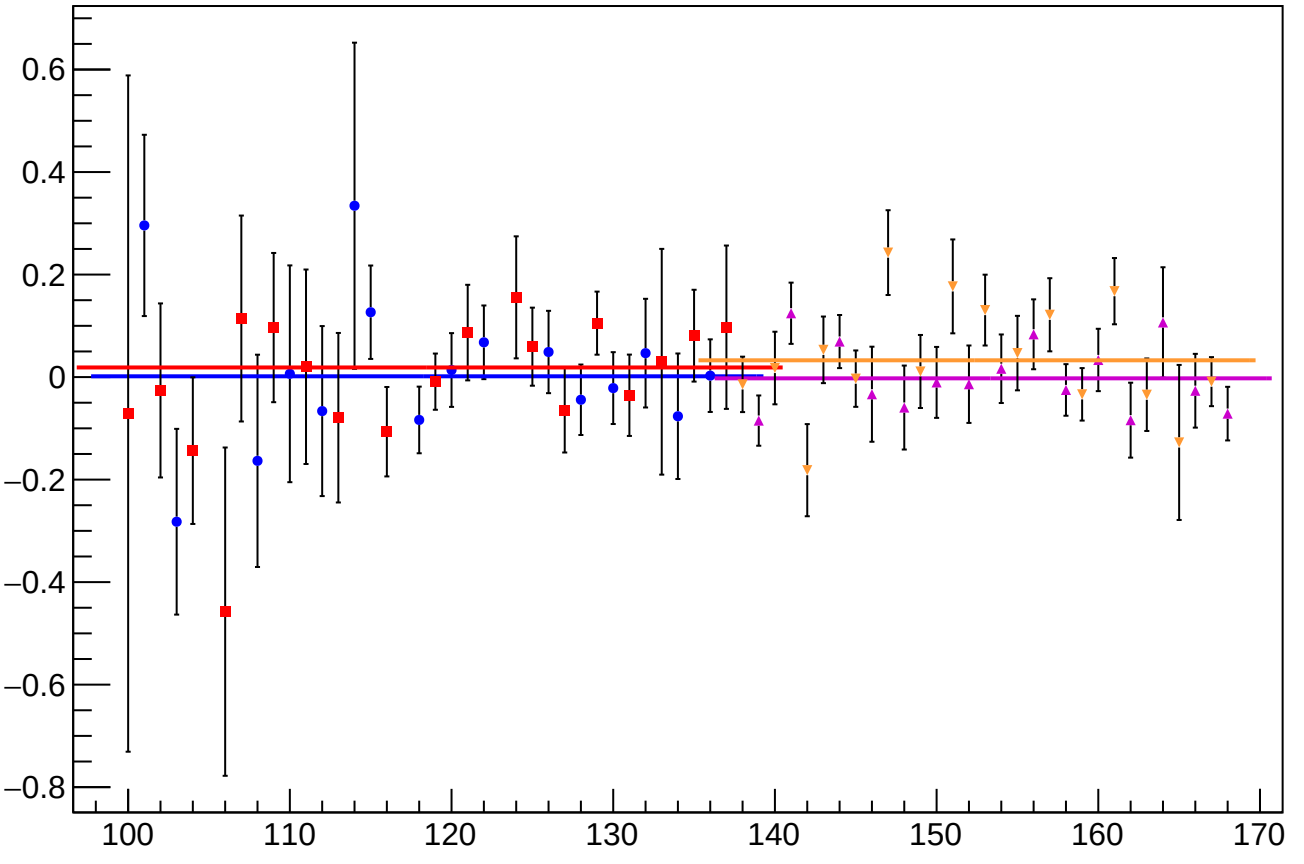
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.054+/-0.012 χ^2/NDF:763701.6/14

+ sign 56.782+/-0.010 χ^2/NDF: 3282666.8/31

All: 56.536+/-0.007 χ^2/NDF: 6602144.8/65

- sign 56.291+/-0.010 χ^2/NDF: 3318165.9/33



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.033+/-0.017 χ^2/NDF:28.4/15

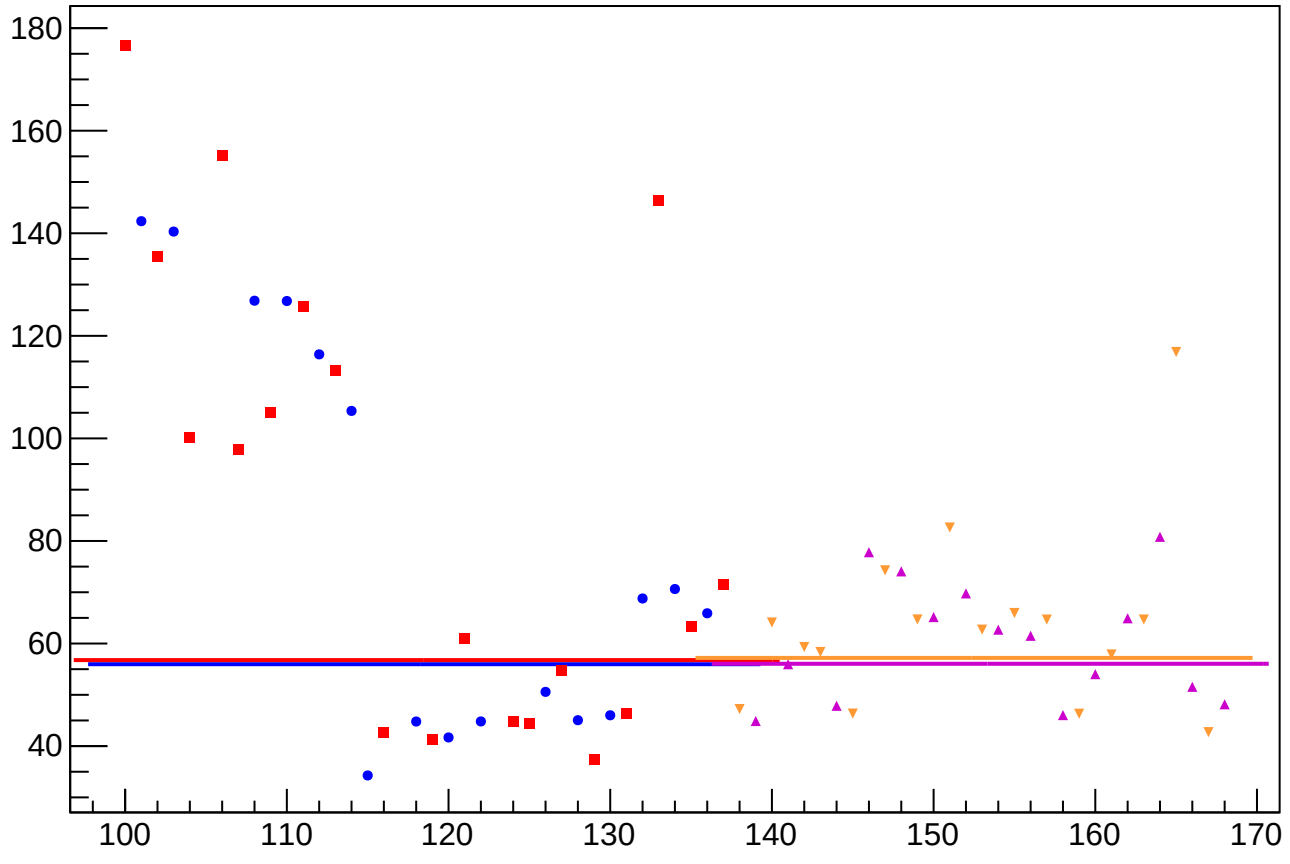
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.002+/-0.017 χ^2/NDF:16.2/14

+ sign 0.022+/-0.014 χ^2/NDF: 42.7/31

All: 0.013+/-0.010 χ^2/NDF: 73.4/65

- sign 0.005+/-0.014 χ^2/NDF: 29.9/33



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 57.196+/-0.012 χ^2/NDF:1099192.8/15

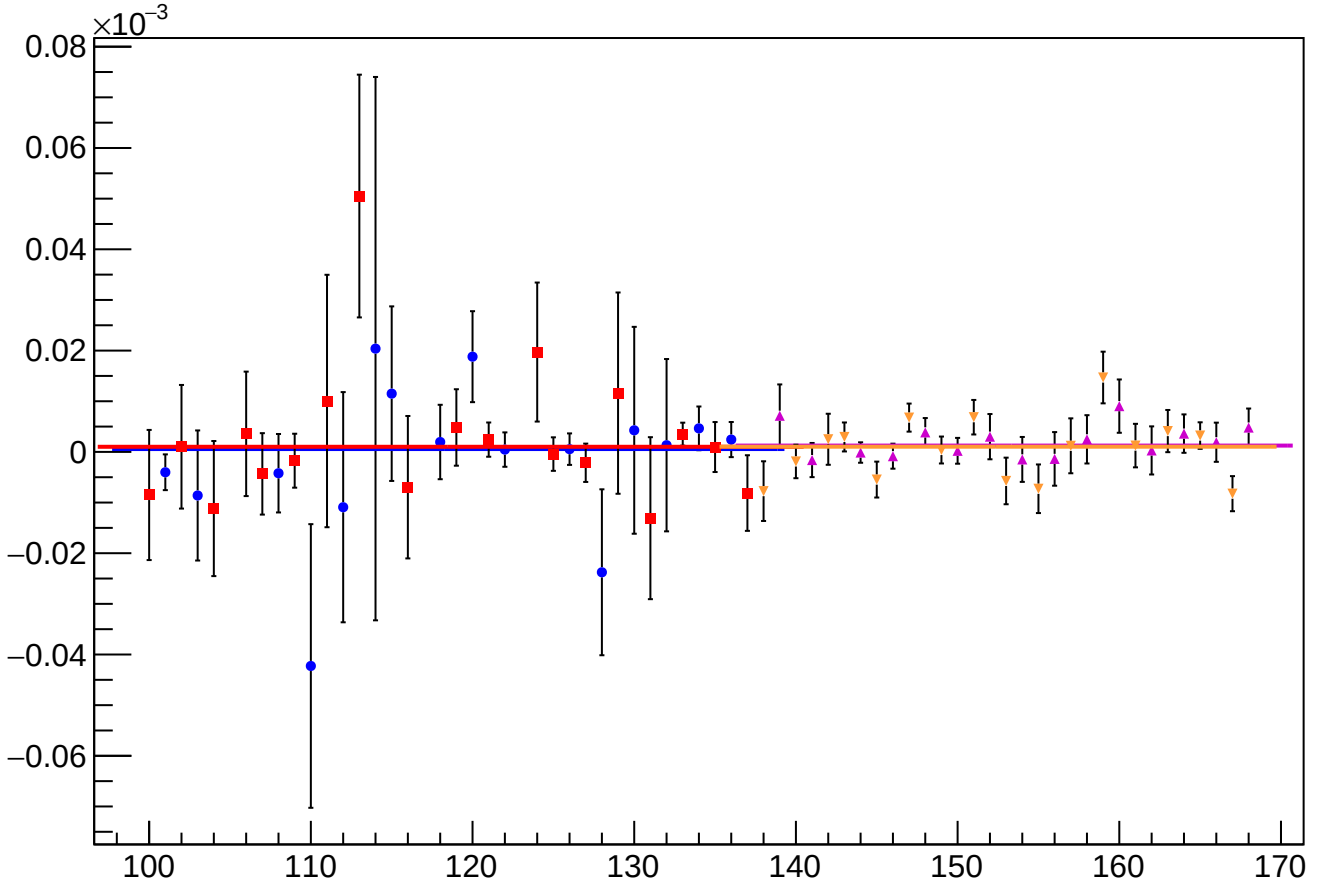
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.054+/-0.012 χ^2/NDF:763701.6/14

+ sign 56.782+/-0.010 χ^2/NDF: 3282666.8/31

All: 56.536+/-0.007 χ^2/NDF: 6602144.8/65

- sign 56.291+/-0.010 χ^2/NDF: 3318165.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.9/15

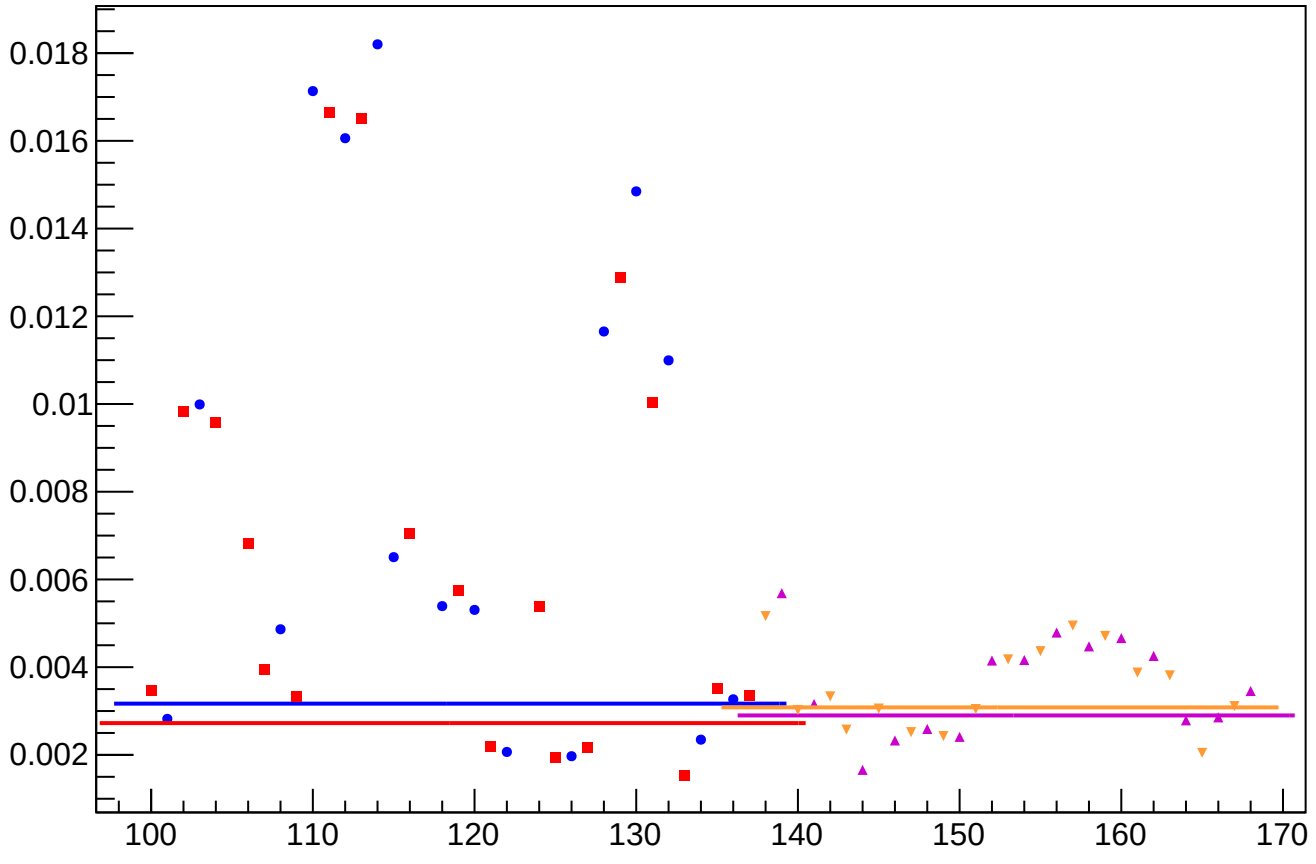
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 48.3/31

All: 0.000+/-0.000 χ^2/NDF: 70.4/65

- sign 0.000+/-0.000 χ^2/NDF: 22.0/33



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:1662876.1/15

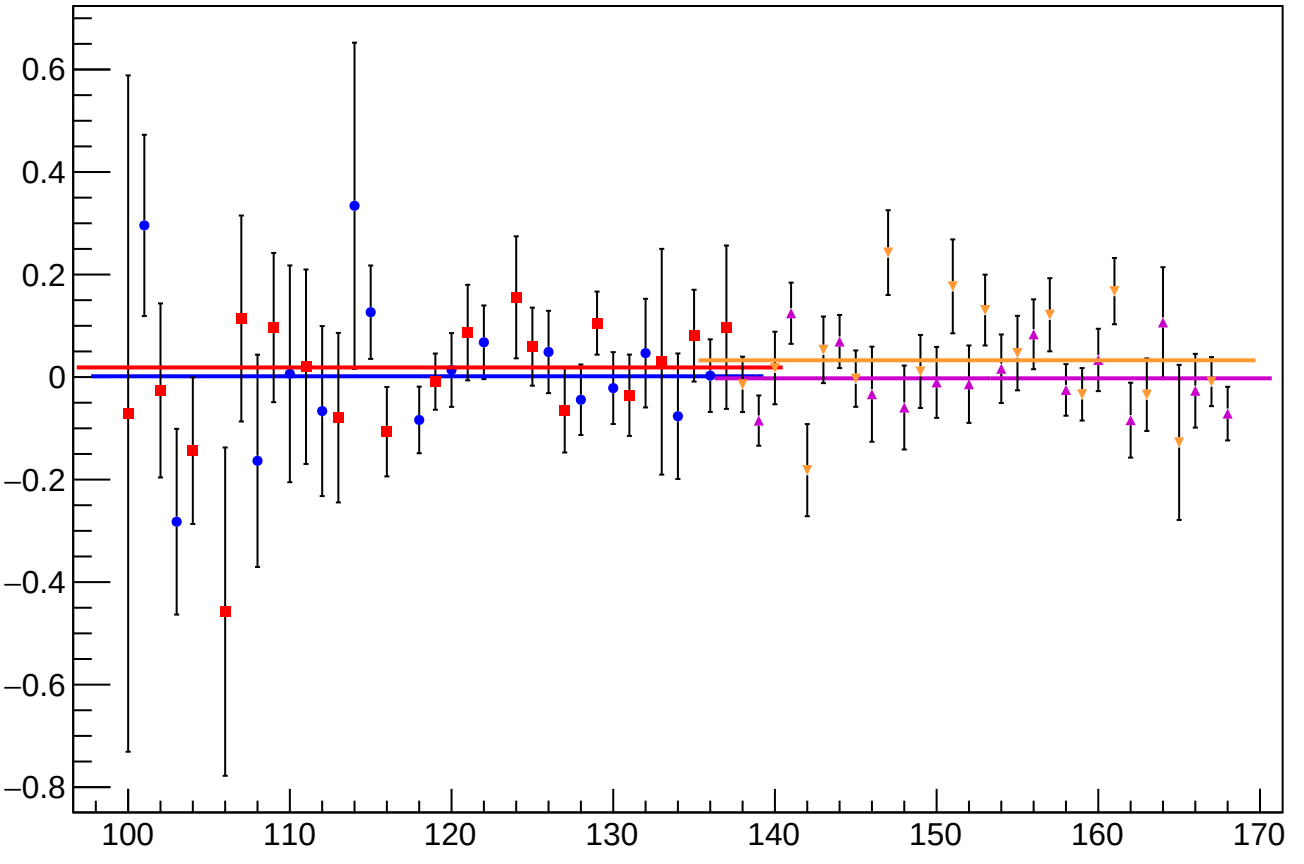
Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2606218.8/14

+ sign 0.003+/-0.000 χ^2/NDF: 6213473.8/31

All: 0.003+/-0.000 χ^2/NDF: 14123640.4/65

- sign 0.003+/-0.000 χ^2/NDF: 7784826.7/33



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.033+/-0.017 χ^2/NDF:28.4/15

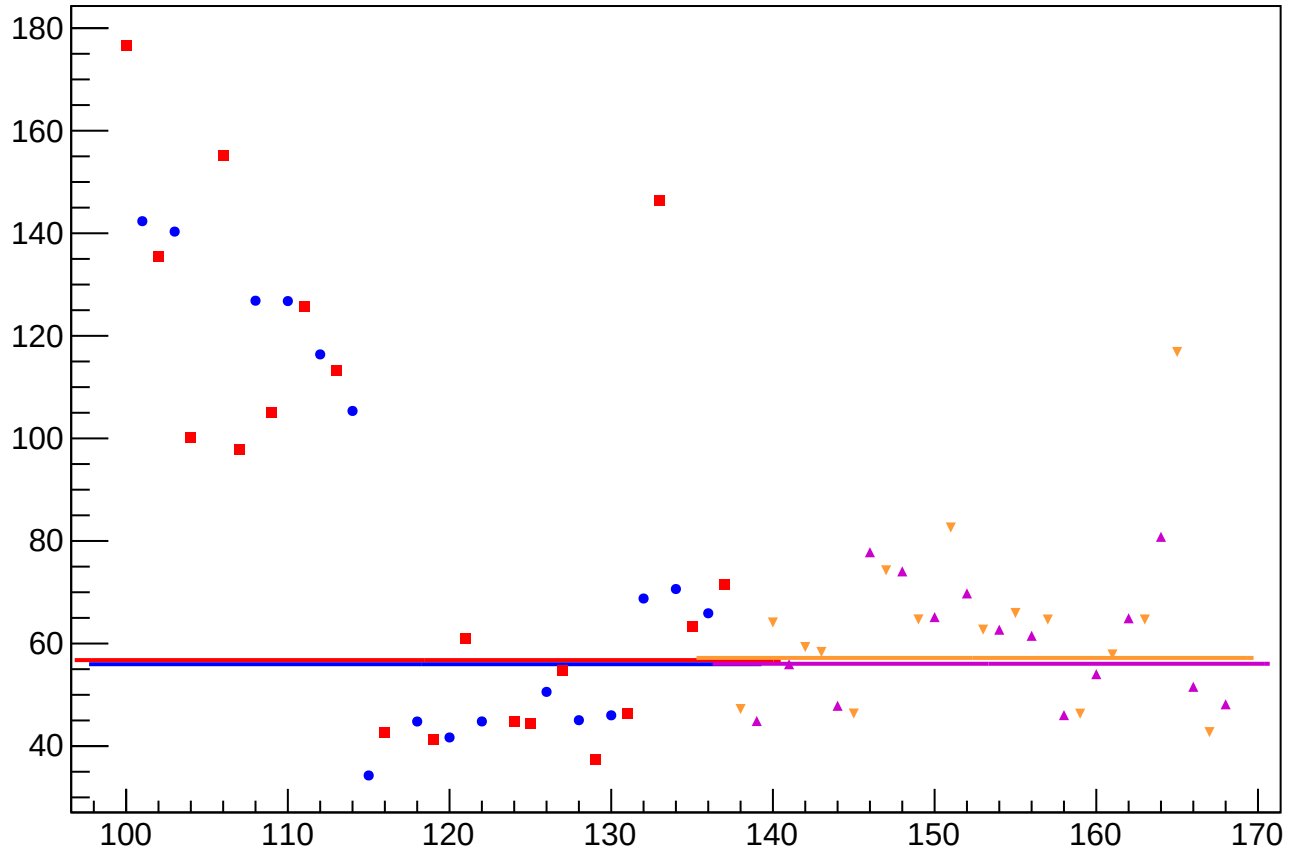
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.002+/-0.017 χ^2/NDF:16.2/14

+ sign 0.022+/-0.014 χ^2/NDF: 42.7/31

All: 0.013+/-0.010 χ^2/NDF: 73.4/65

- sign 0.005+/-0.014 χ^2/NDF: 29.9/33



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 57.196+/-0.012 χ^2/NDF:1099196.2/15

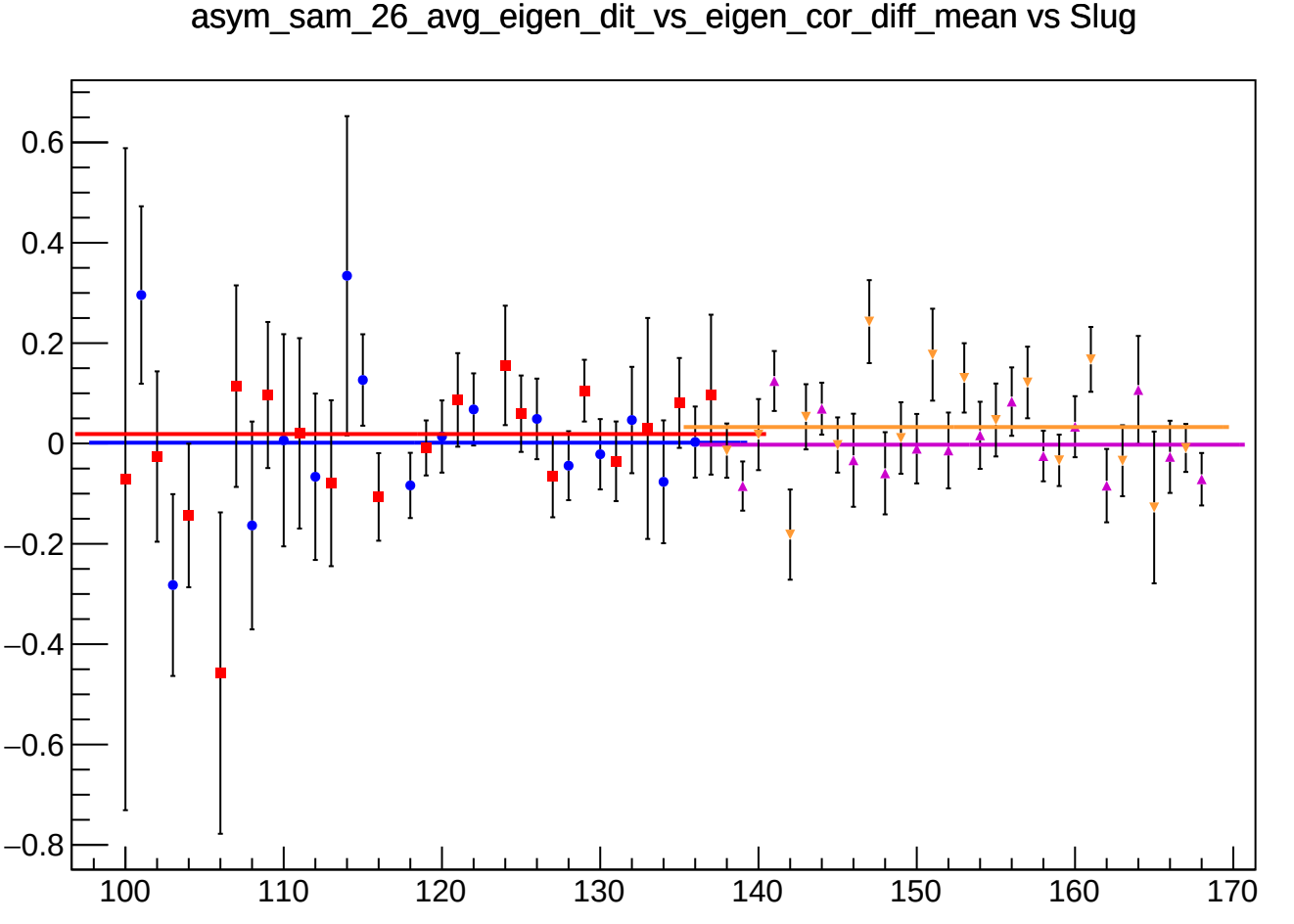
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.055+/-0.012 χ^2/NDF:763696.2/14

+ sign 56.783+/-0.010 χ^2/NDF: 3282602.9/31

All: 56.536+/-0.007 χ^2/NDF: 6602016.0/65

- sign 56.291+/-0.010 χ^2/NDF: 3318101.4/33



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.033+/-0.017 χ^2/NDF:28.4/15

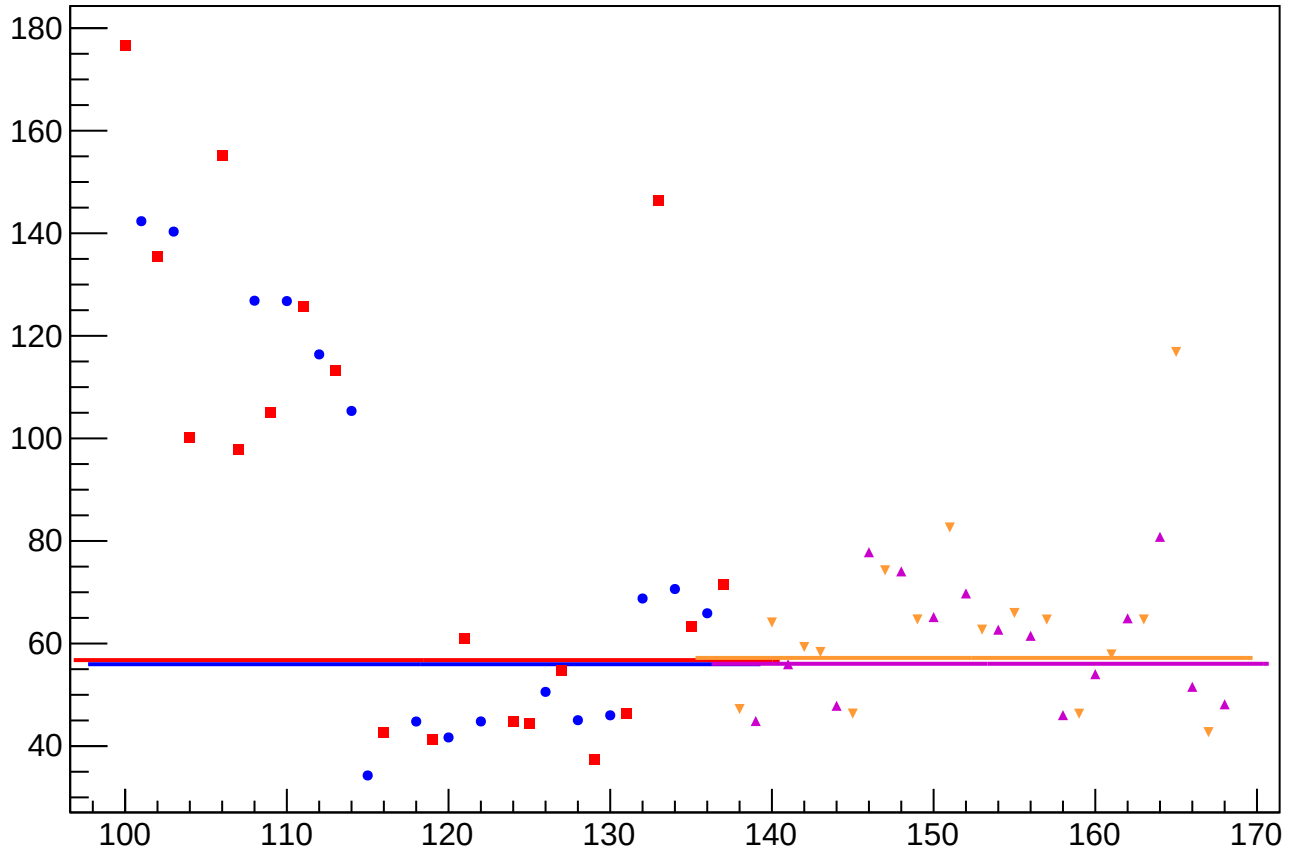
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.002+/-0.017 χ^2/NDF:16.2/14

+ sign 0.022+/-0.014 χ^2/NDF: 42.7/31

All: 0.013+/-0.010 χ^2/NDF: 73.4/65

- sign 0.005+/-0.014 χ^2/NDF: 29.9/33



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 57.196+/-0.012 χ^2/NDF:1099196.2/15

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

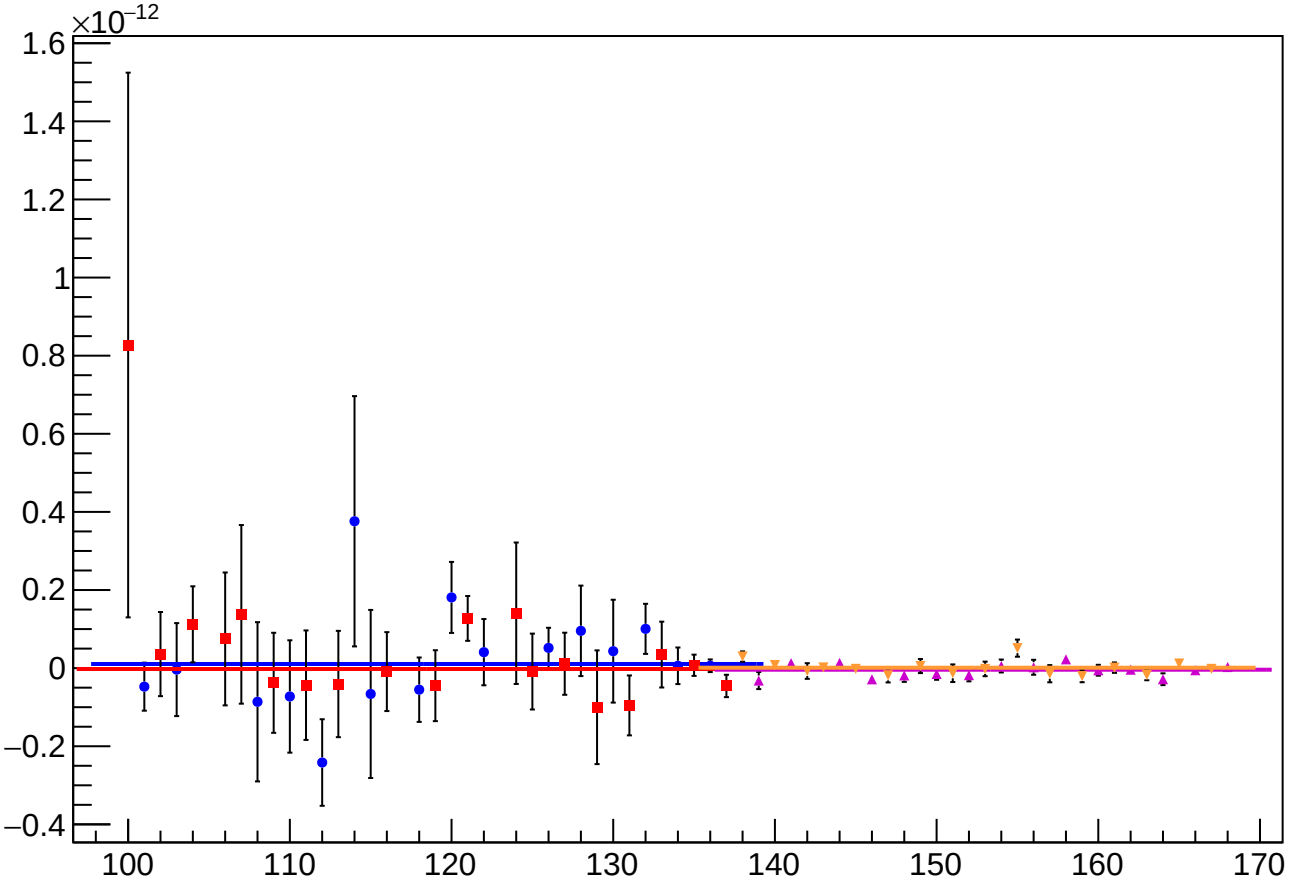
Left In: 56.055+/-0.012 χ^2/NDF:763696.2/14

+ sign 56.783+/-0.010 χ^2/NDF: 3282602.9/31

All: 56.536+/-0.007 χ^2/NDF: 6602016.0/65

- sign 56.291+/-0.010 χ^2/NDF: 3318101.4/33

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/15

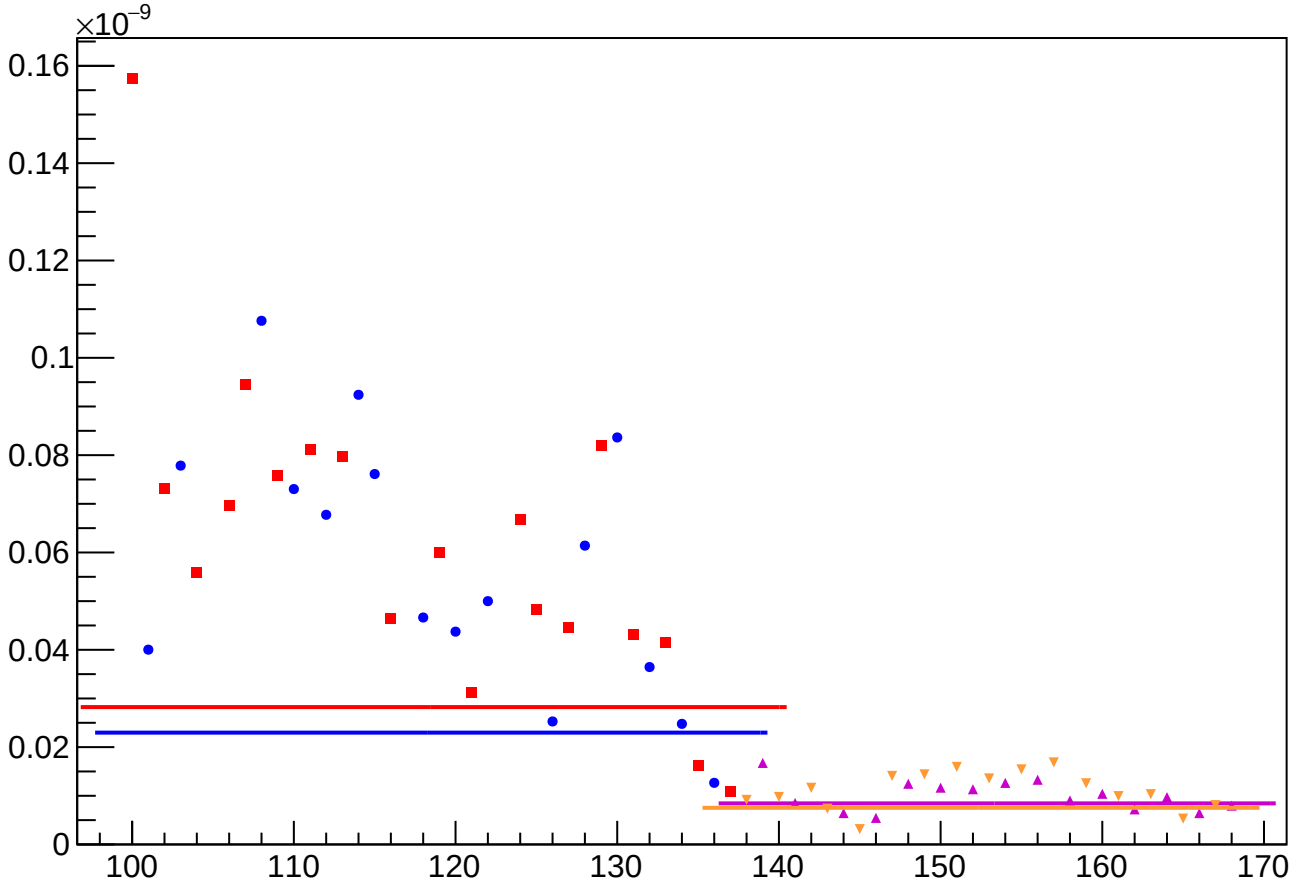
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:27.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 34.4/31

All: -0.000+/-0.000 χ^2/NDF: 78.2/65

- sign -0.000+/-0.000 χ^2/NDF: 42.1/33



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3818002.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

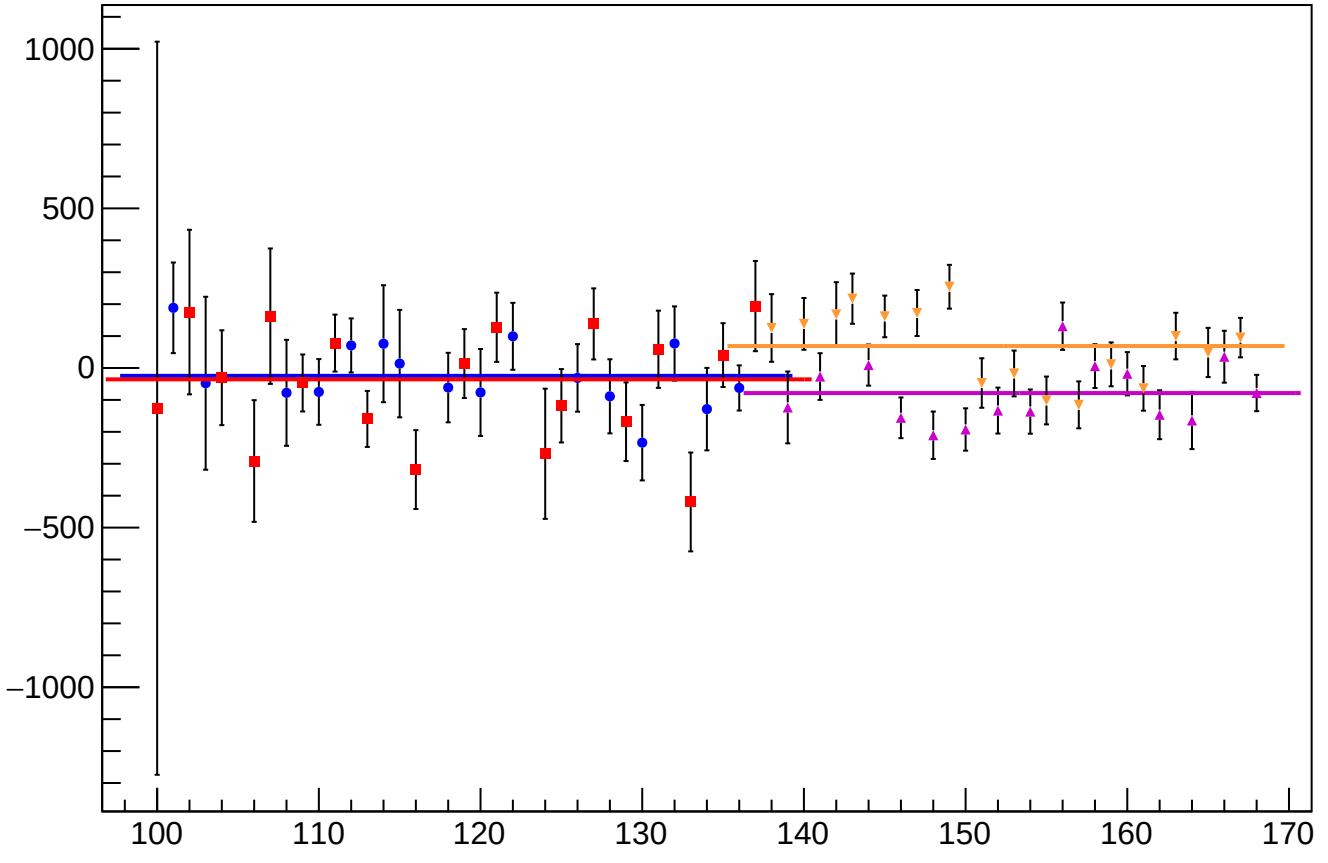
Left In: 0.000+/-0.000 χ^2/NDF:1364902.4/14

+ sign 0.000+/-0.000 χ^2/NDF: 10251996.2/31

All: 0.000+/-0.000 χ^2/NDF: 18666026.1/65

- sign 0.000+/-0.000 χ^2/NDF: 8317084.7/33

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 68.852+/-18.575 χ^2/NDF:36.8/15

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

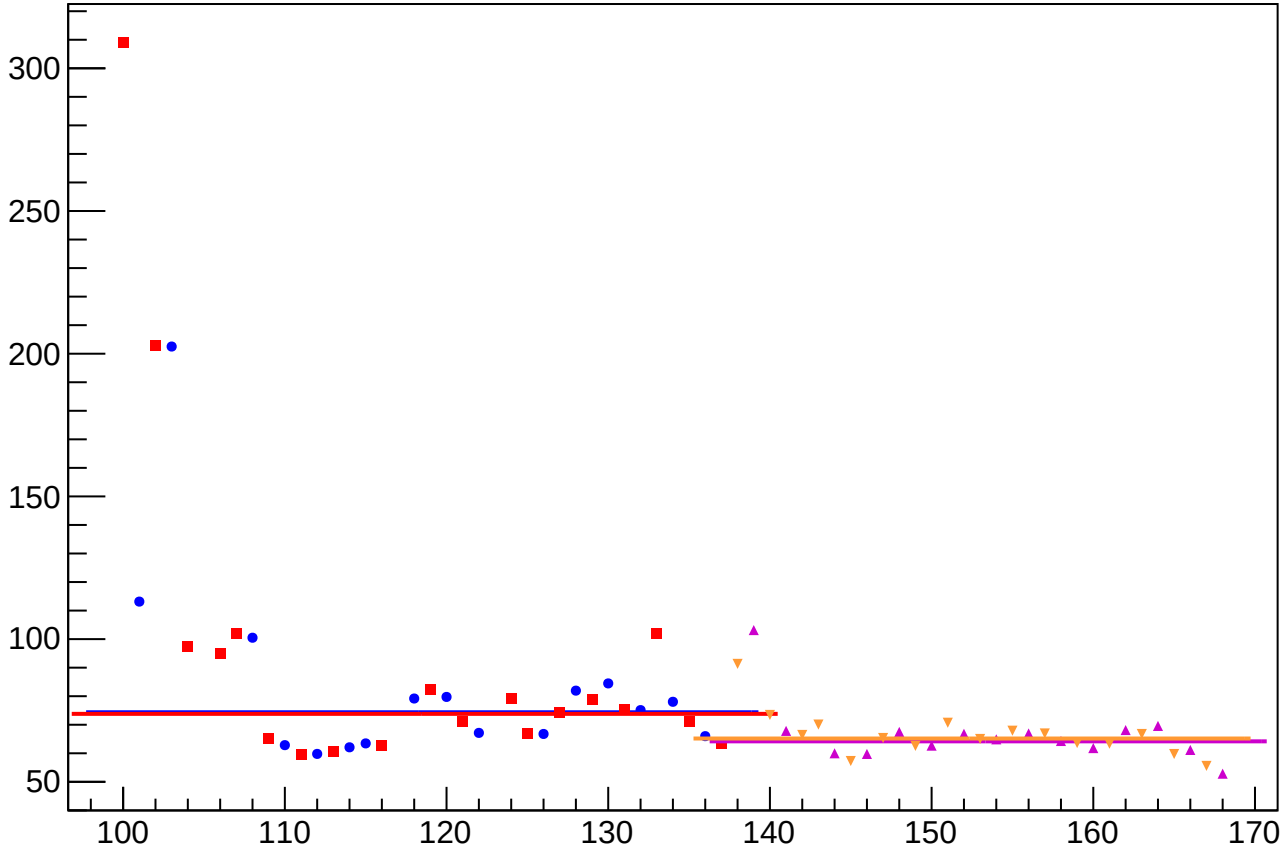
Left In: -78.545+/-18.475 χ^2/NDF:25.4/14

+ sign 41.539+/-15.628 χ^2/NDF: 55.2/31

All: -12.589+/-11.004 χ^2/NDF: 136.1/65

- sign -65.804+/-15.496 χ^2/NDF: 57.0/33

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 65.174+/-0.013 χ^2/NDF:258129.3/15

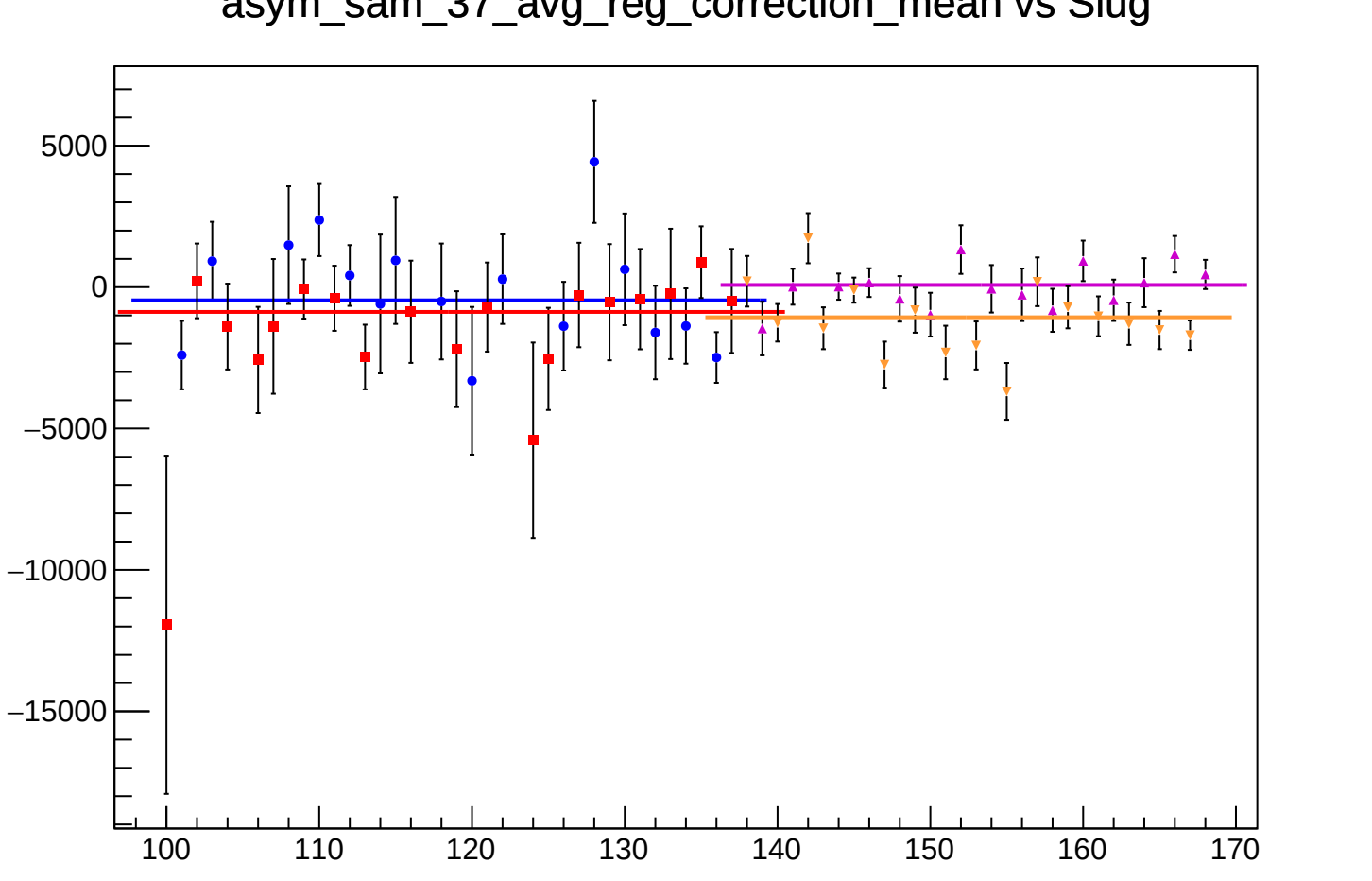
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 64.185+/-0.013 χ^2/NDF:370823.1/14

+ sign 67.861+/-0.011 χ^2/NDF: 1228882.6/31

All: 67.447+/-0.008 χ^2/NDF: 2695584.5/65

- sign 67.041+/-0.011 χ^2/NDF: 1463924.5/33



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -1064.684+/-179.235 χ^2/NDF:35.7/15

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

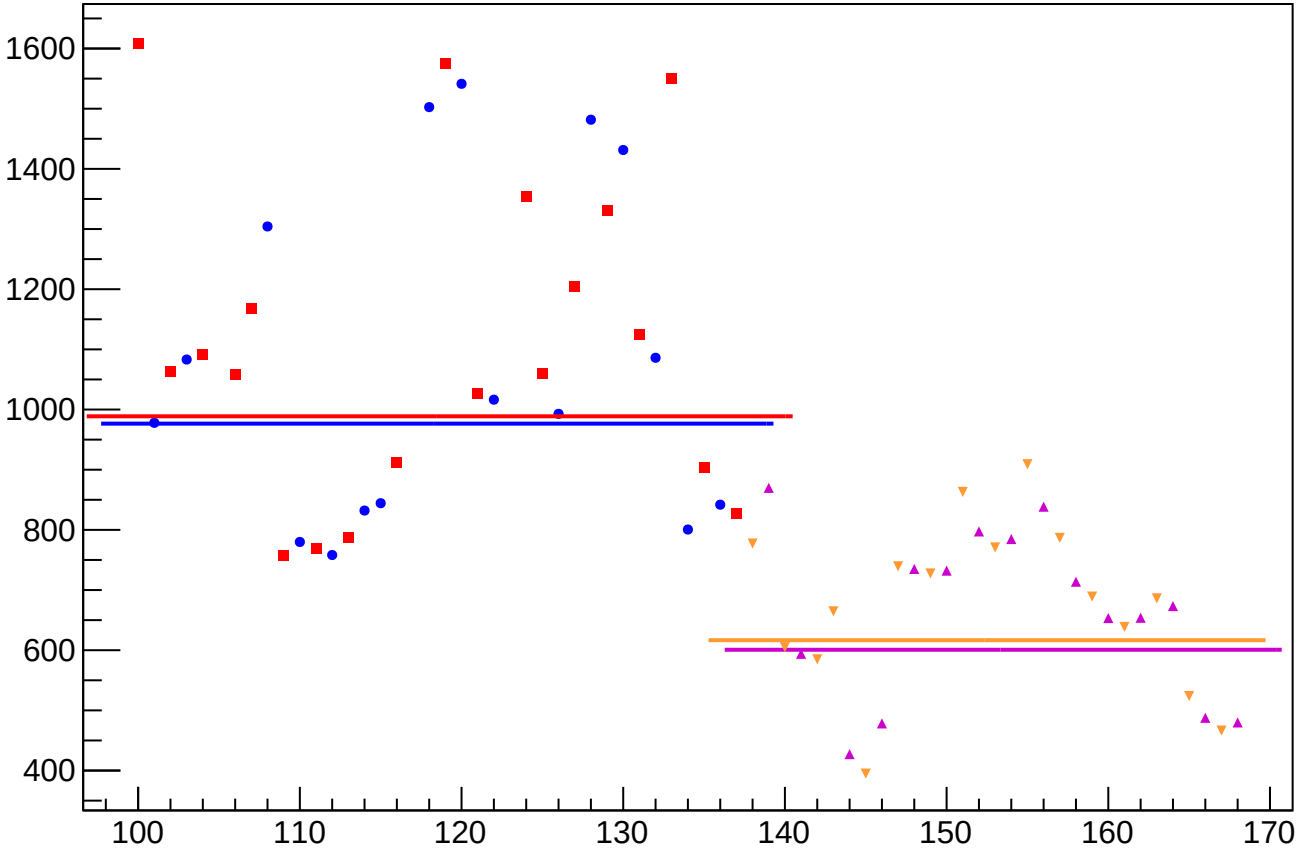
Left In: 77.123+/-175.927 χ^2/NDF:13.9/14

+ sign -953.462+/-161.716 χ^2/NDF: 61.4/31

All: -518.024+/-113.399 χ^2/NDF: 108.0/65

- sign -96.784+/-159.057 χ^2/NDF: 32.3/33

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 616.668+/-0.127 χ^2/NDF:1351936.2/15

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

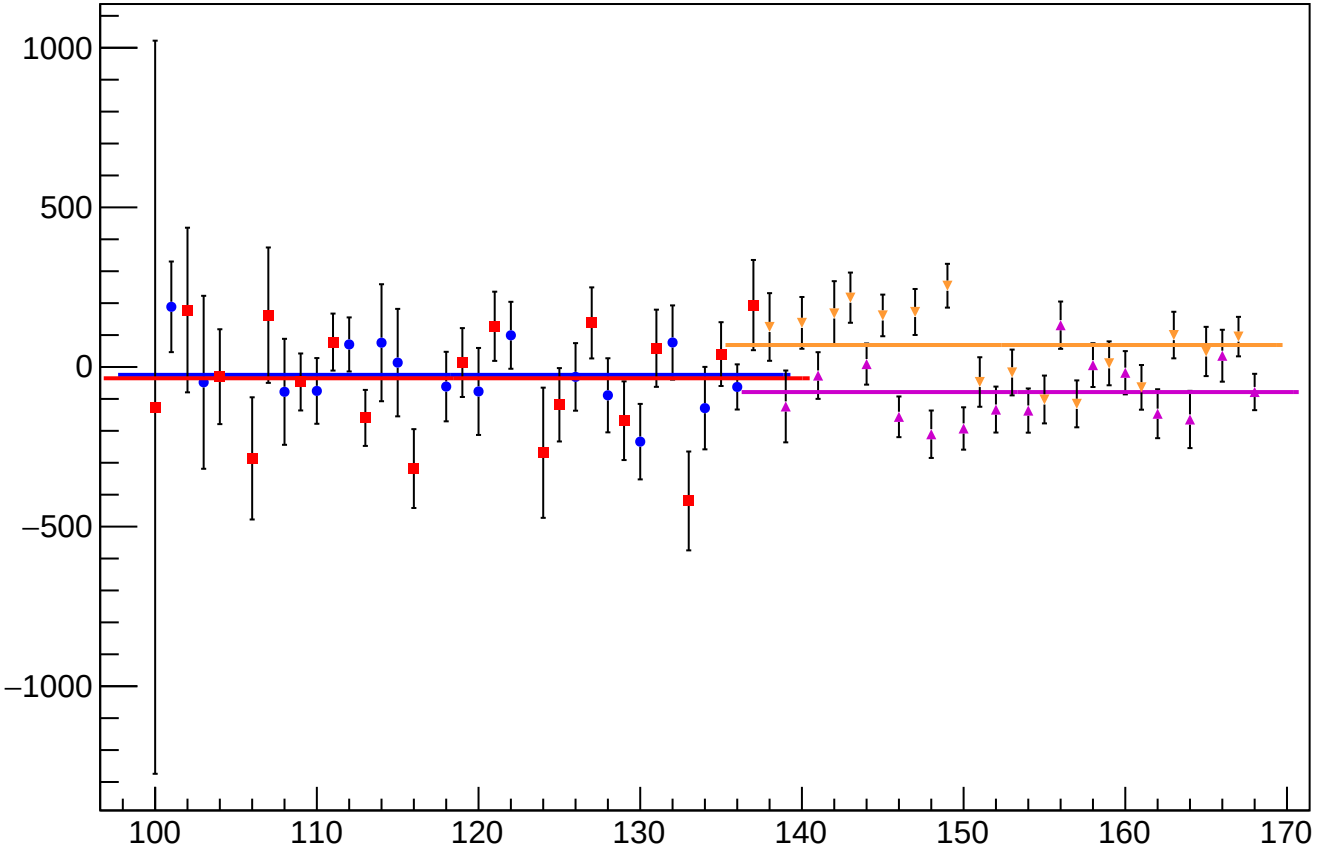
Left In: 600.764+/-0.124 χ^2/NDF:1254293.2/14

+ sign 683.590+/-0.114 χ^2/NDF: 3588068.4/31

All: 677.499+/-0.080 χ^2/NDF: 7339843.6/65

- sign 671.607+/-0.112 χ^2/NDF: 3746193.2/33

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 68.857+/-18.575 χ^2/NDF:36.8/15

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

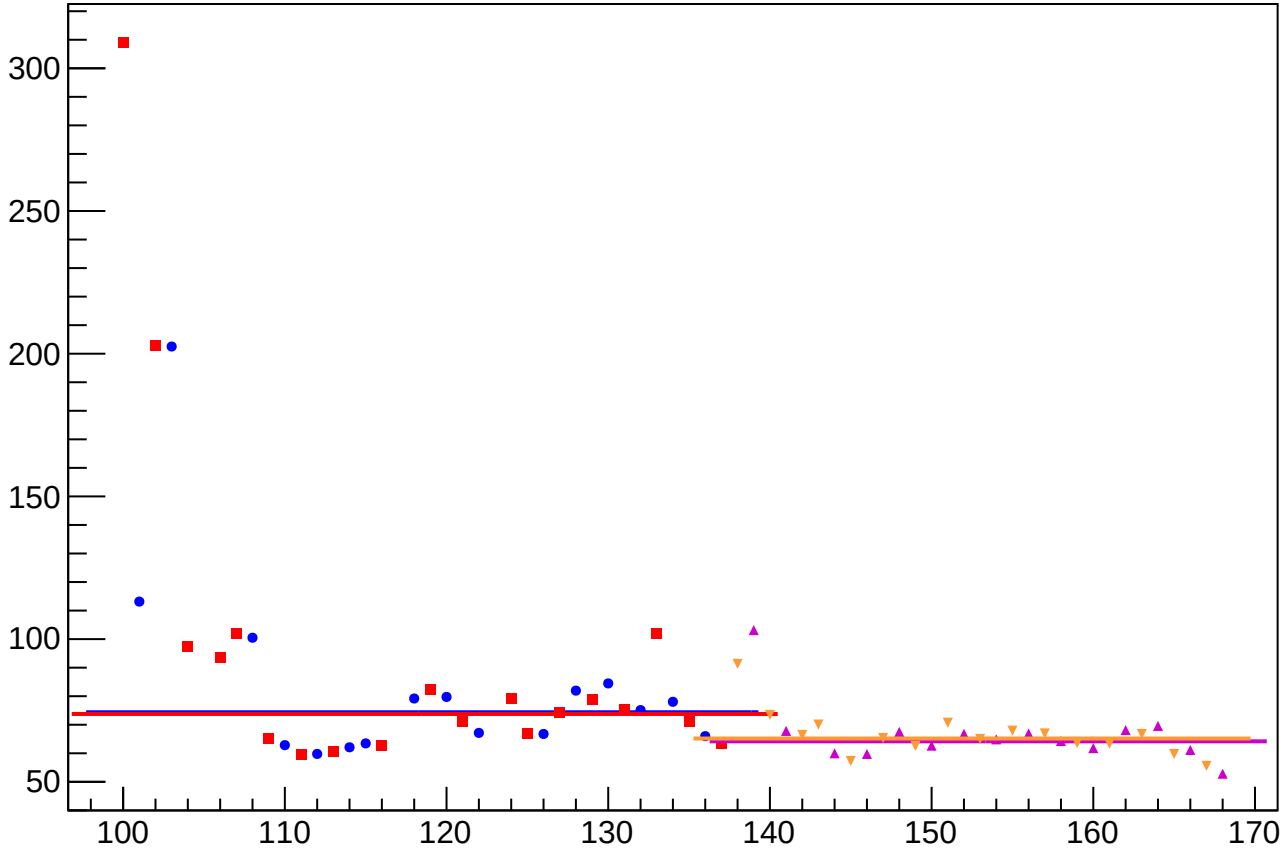
Left In: -78.545+/-18.475 χ^2/NDF:25.4/14

+ sign 41.541+/-15.628 χ^2/NDF: 55.2/31

All: -12.558+/-11.004 χ^2/NDF: 136.0/65

- sign -65.747+/-15.496 χ^2/NDF: 57.0/33

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 65.174+/-0.013 χ^2/NDF:258129.3/15

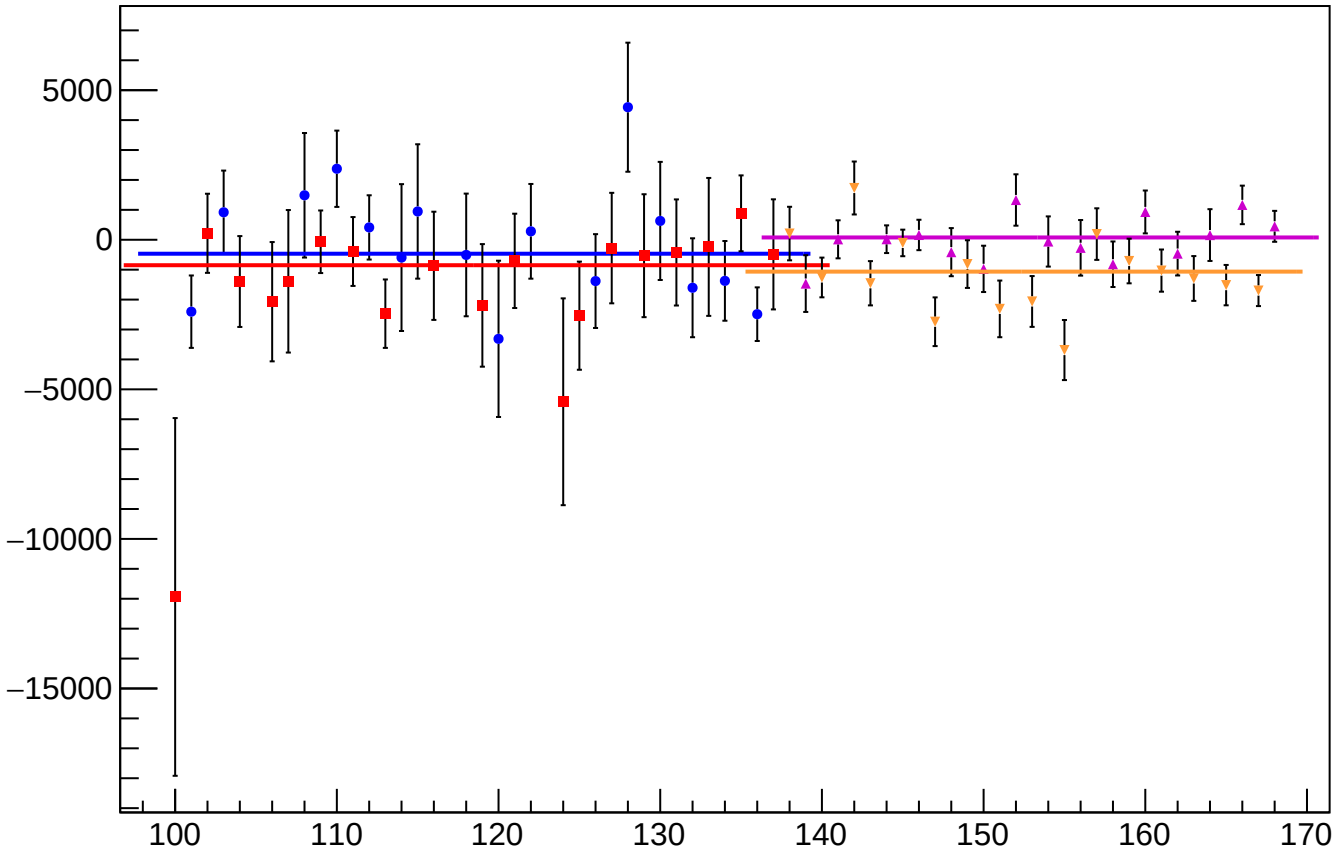
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 64.185+/-0.013 χ^2/NDF:370823.1/14

+ sign 67.861+/-0.011 χ^2/NDF: 1228884.5/31

All: 67.441+/-0.008 χ^2/NDF: 2690468.0/65

- sign 67.028+/-0.011 χ^2/NDF: 1458718.6/33



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -1064.678+/-179.235 χ^2/NDF:35.7/15

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

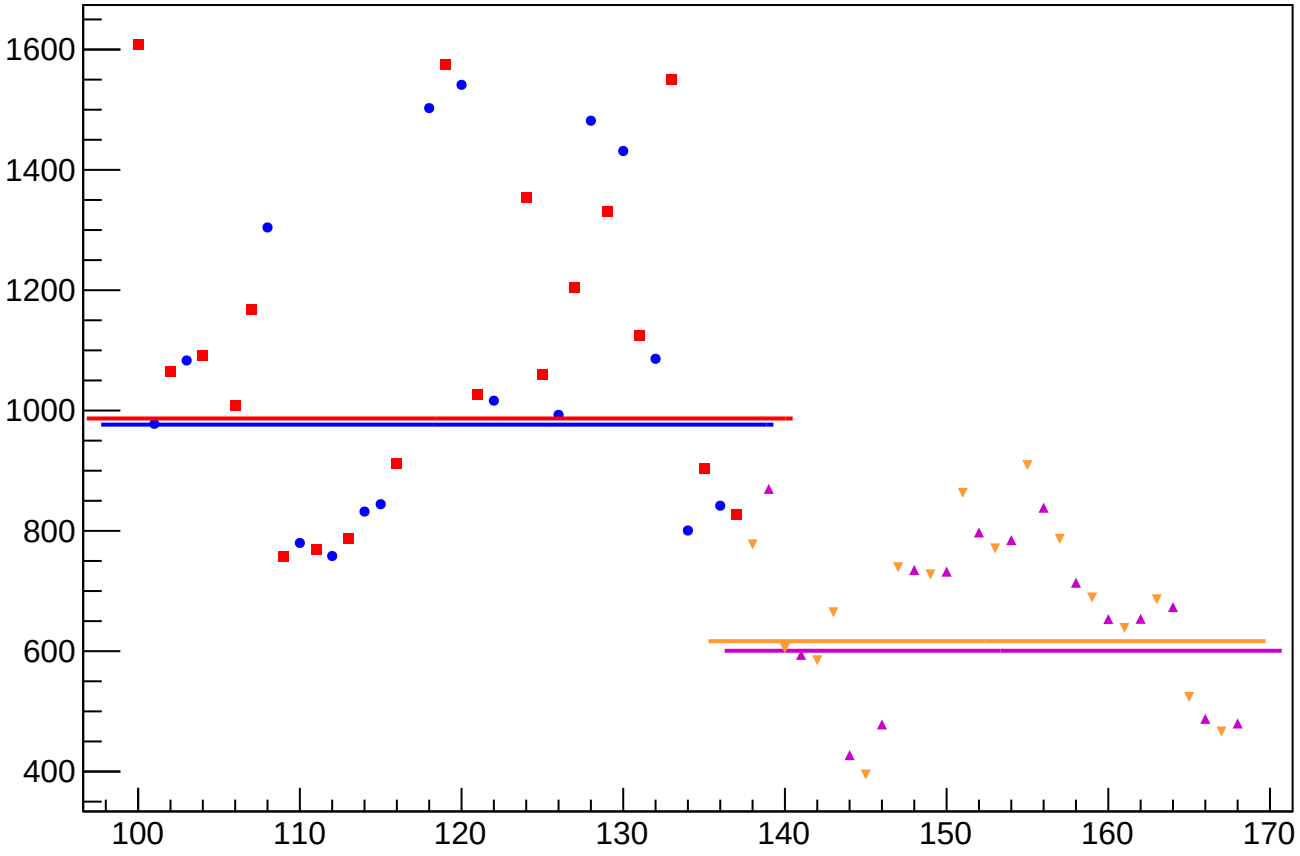
Left In: 77.124+/-175.927 χ^2/NDF:13.9/14

+ sign -953.457+/-161.716 χ^2/NDF: 61.4/31

All: -515.597+/-113.423 χ^2/NDF: 107.4/65

- sign -91.660+/-159.124 χ^2/NDF: 31.6/33

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 616.667+/-0.127 χ^2/NDF:1351939.1/15

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

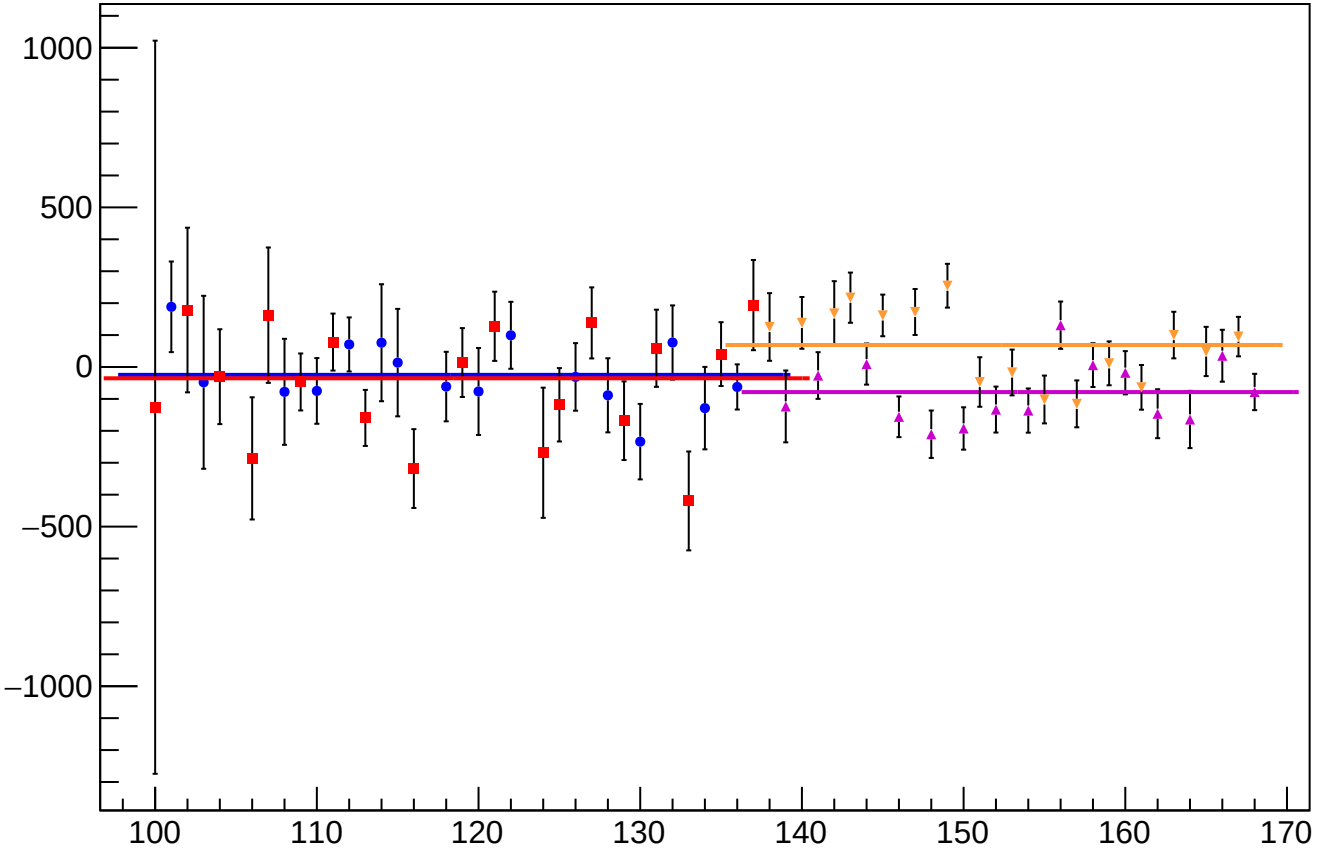
Left In: 600.764+/-0.124 χ^2/NDF:1254292.1/14

+ sign 683.590+/-0.114 χ^2/NDF: 3588130.2/31

All: 677.188+/-0.080 χ^2/NDF: 7313814.4/65

- sign 670.989+/-0.113 χ^2/NDF: 3719514.7/33

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 68.857+/-18.575 χ^2/NDF:36.8/15

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

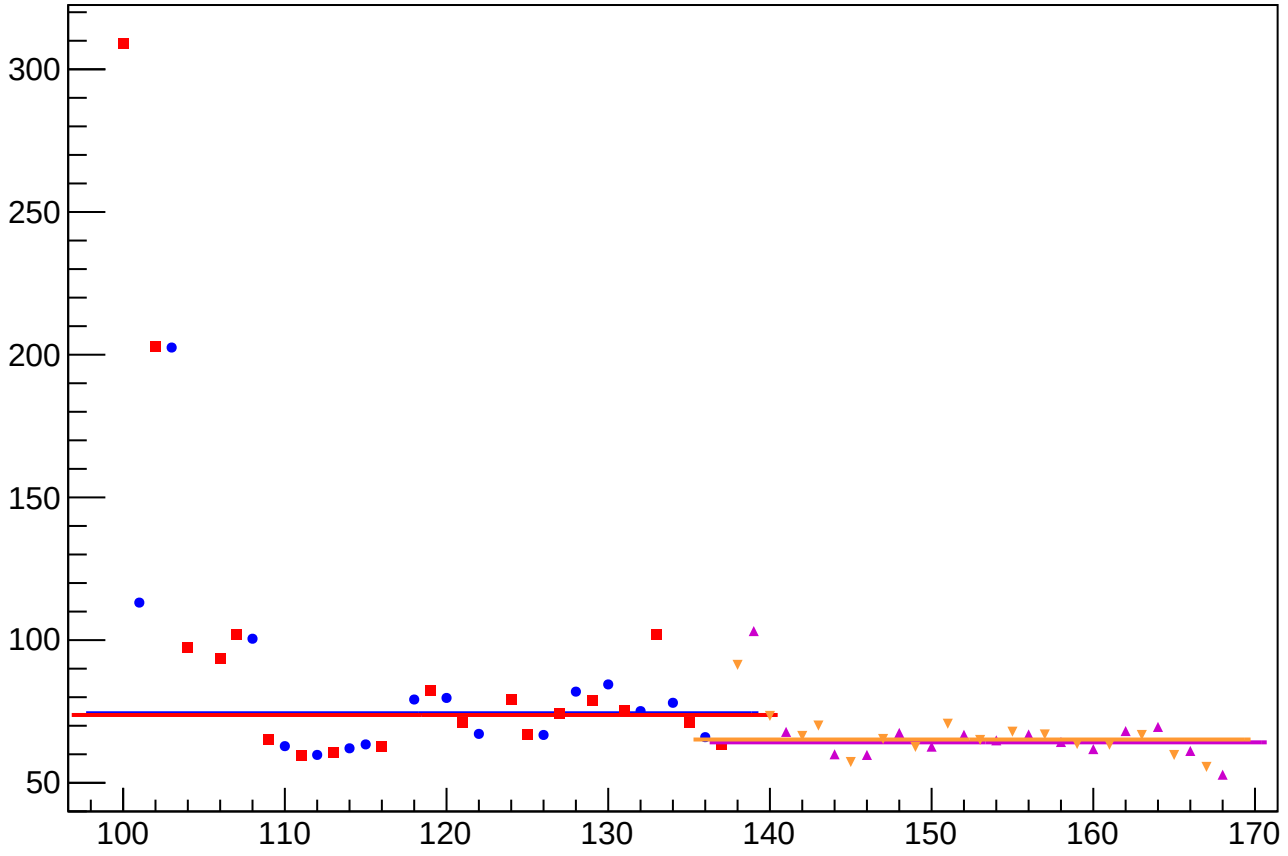
Left In: -78.545+/-18.475 χ^2/NDF:25.4/14

+ sign 41.541+/-15.628 χ^2/NDF: 55.2/31

All: -12.558+/-11.004 χ^2/NDF: 136.0/65

- sign -65.747+/-15.496 χ^2/NDF: 57.0/33

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 65.174+/-0.013 χ^2/NDF:258129.3/15

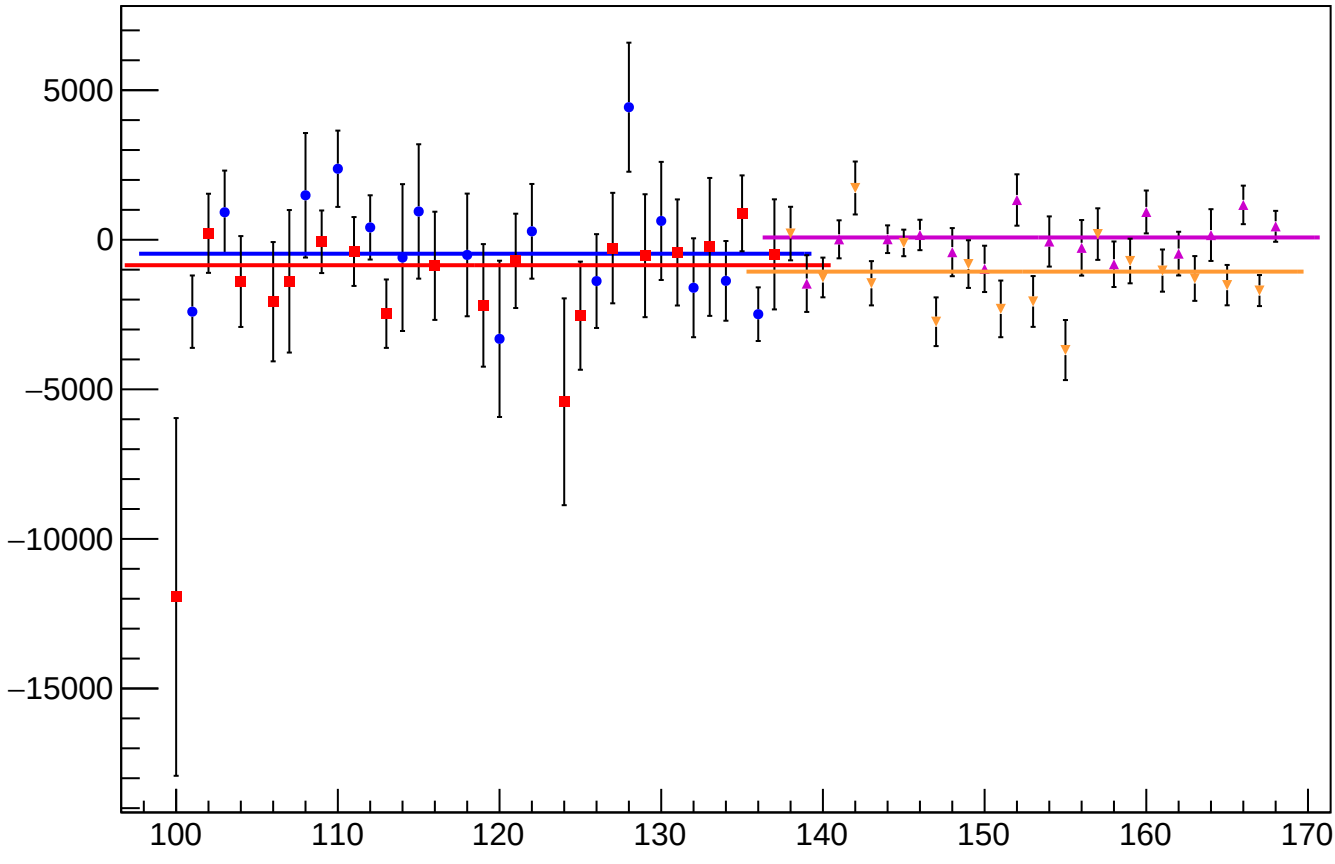
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 64.185+/-0.013 χ^2/NDF:370823.1/14

+ sign 67.861+/-0.011 χ^2/NDF: 1228884.5/31

All: 67.441+/-0.008 χ^2/NDF: 2690468.0/65

- sign 67.028+/-0.011 χ^2/NDF: 1458718.6/33



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -1064.678+/-179.235 χ^2/NDF:35.7/15

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

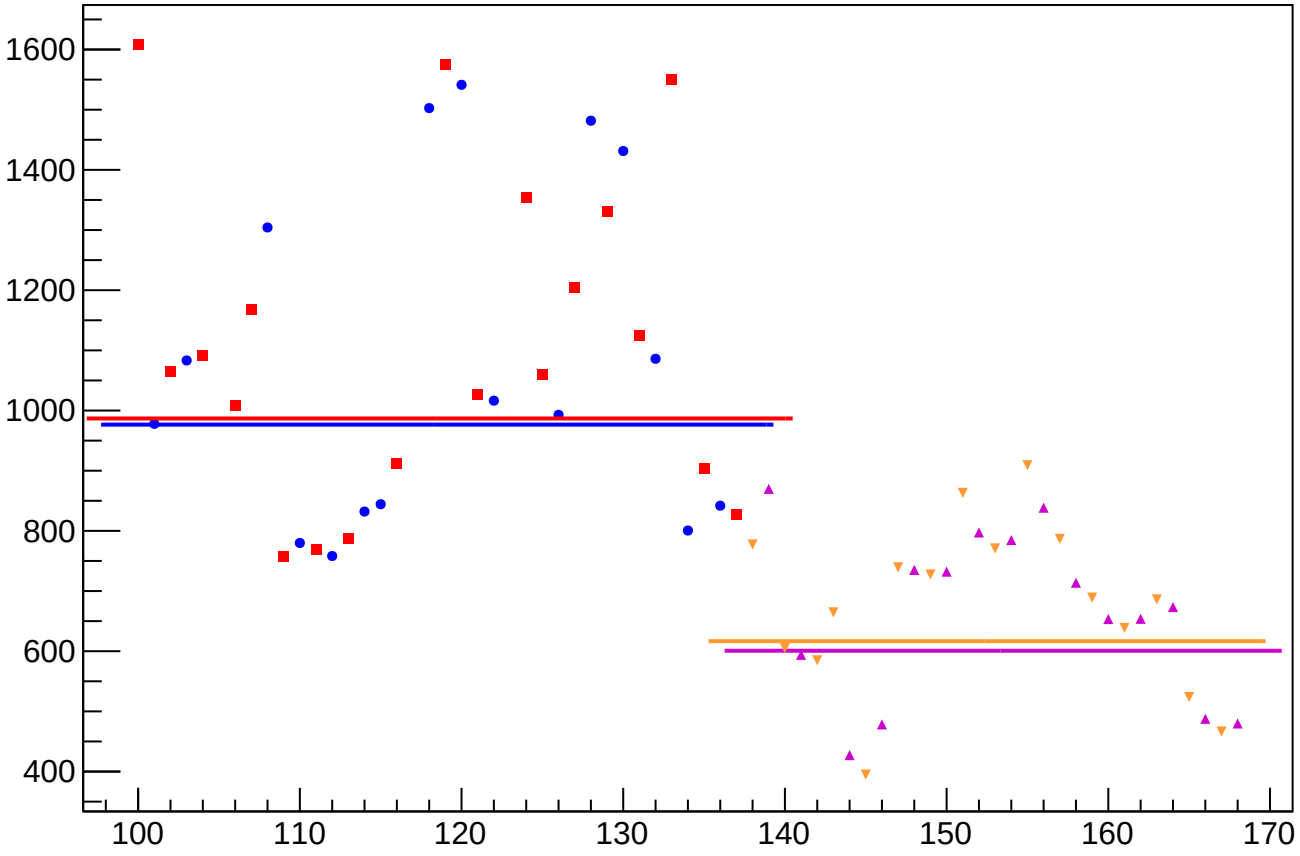
Left In: 77.124+/-175.927 χ^2/NDF:13.9/14

+ sign -953.457+/-161.716 χ^2/NDF: 61.4/31

All: -515.597+/-113.423 χ^2/NDF: 107.4/65

- sign -91.660+/-159.124 χ^2/NDF: 31.6/33

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 616.667+/-0.127 χ^2/NDF:1351939.1/15

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

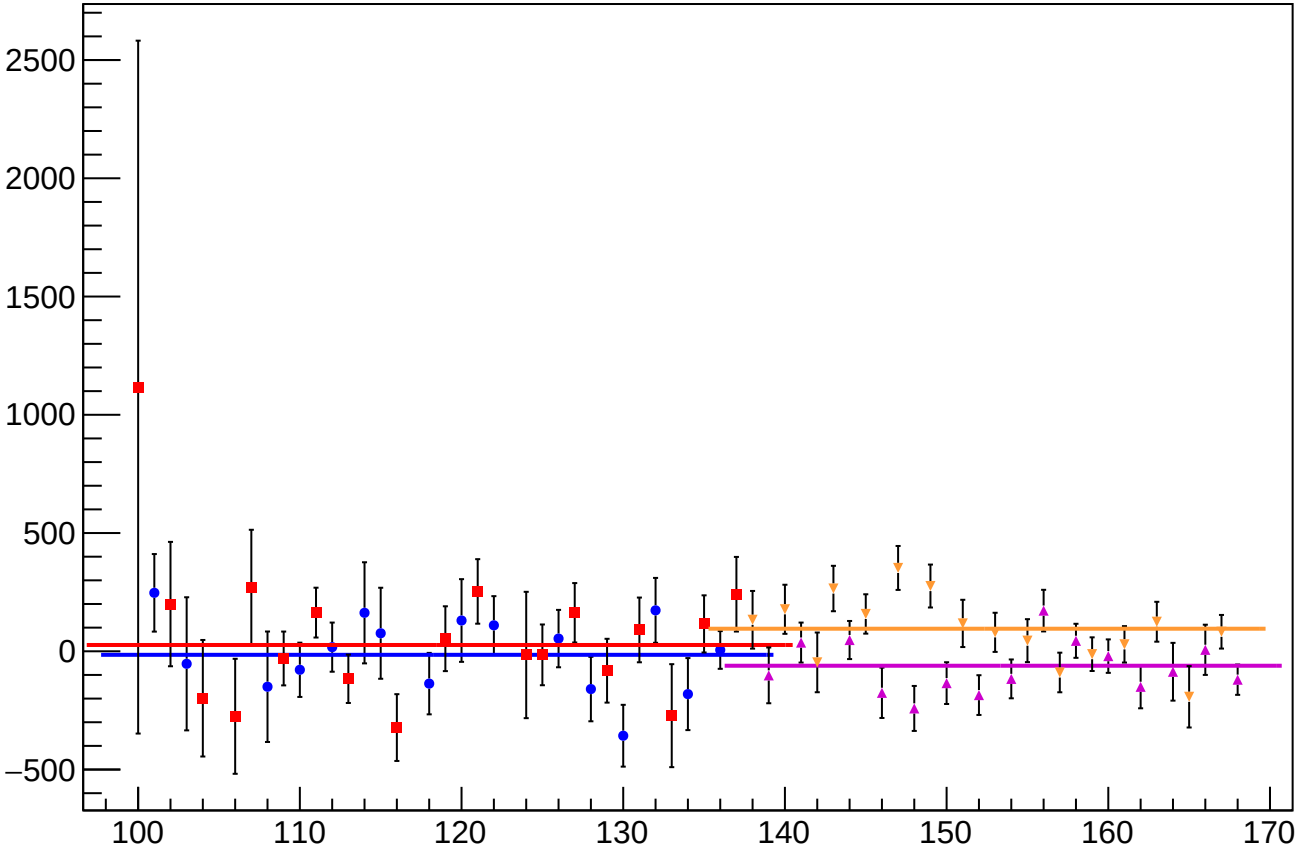
Left In: 600.764+/-0.124 χ^2/NDF:1254292.1/14

+ sign 683.590+/-0.114 χ^2/NDF: 3588130.2/31

All: 677.188+/-0.080 χ^2/NDF: 7313814.4/65

- sign 670.989+/-0.113 χ^2/NDF: 3719514.7/33

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 95.427+/-22.433 χ^2/NDF:30.7/15

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

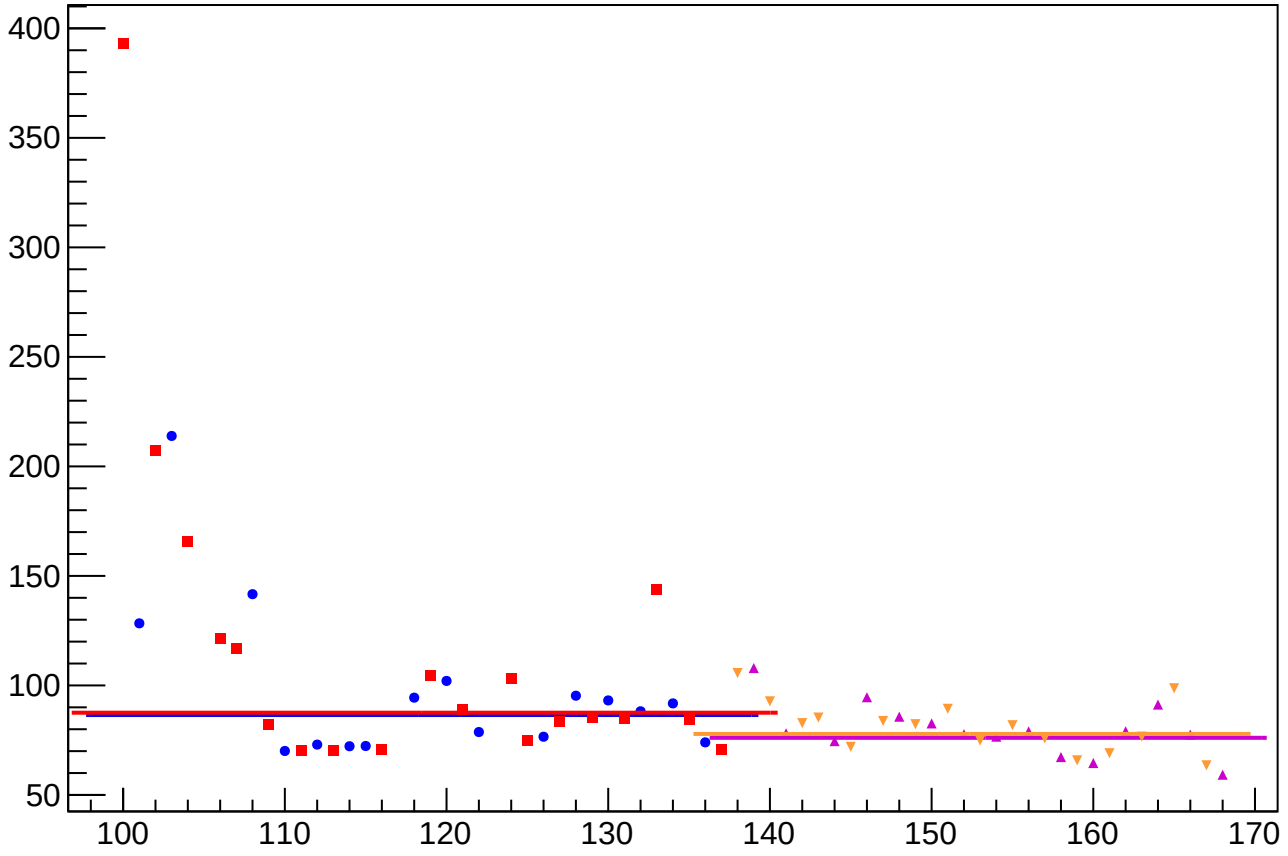
Left In: -61.111+/-22.223 χ^2/NDF:23.1/14

+ sign 61.620+/-18.684 χ^2/NDF: 56.3/31

All: 13.169+/-13.187 χ^2/NDF: 121.1/65

- sign -34.918+/-18.614 χ^2/NDF: 51.4/33

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 77.863+/-0.016 χ^2/NDF:433916.5/15

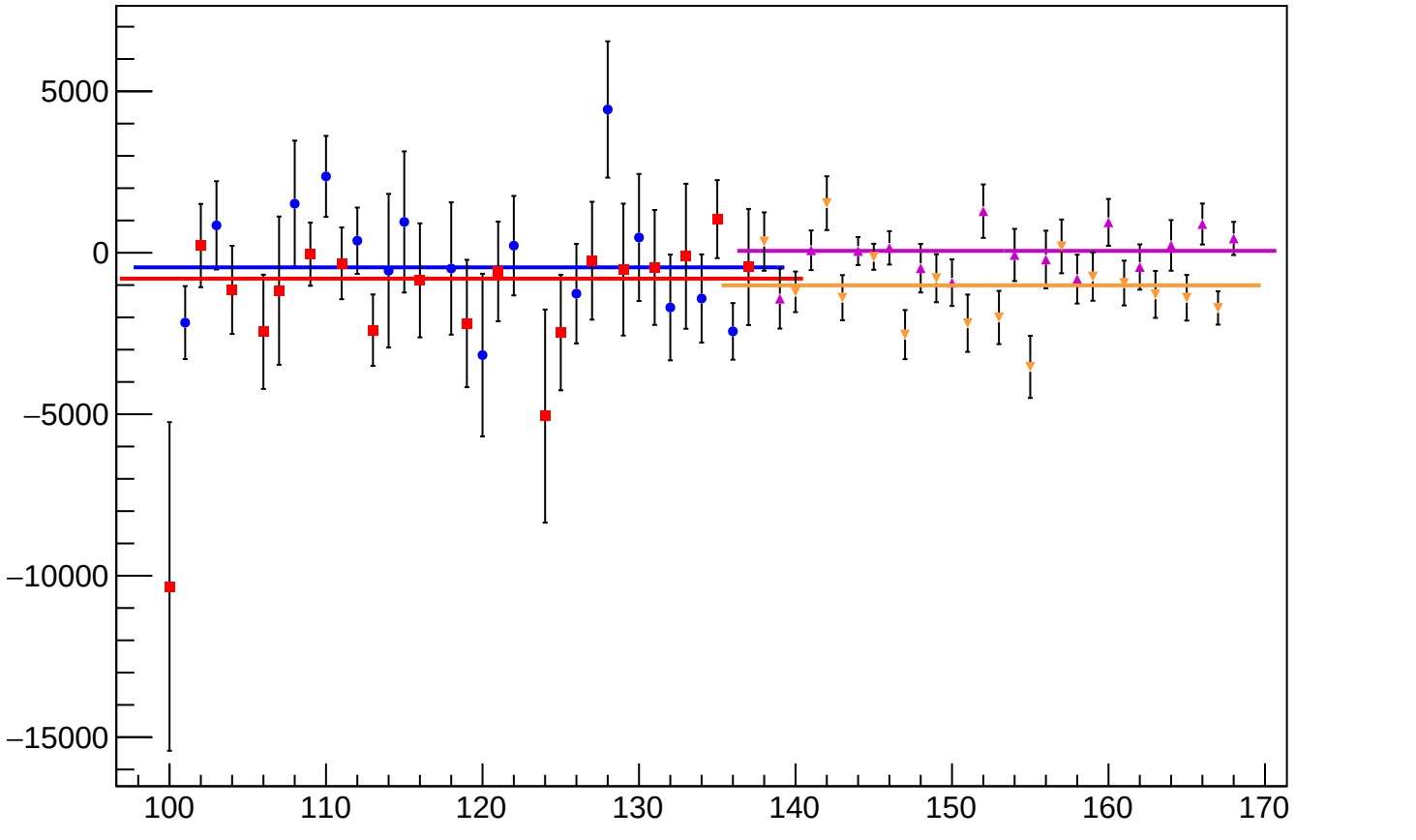
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 76.090+/-0.016 χ^2/NDF:497484.3/14

+ sign 80.505+/-0.013 χ^2/NDF: 1380738.0/31

All: 80.007+/-0.009 χ^2/NDF: 3169700.4/65

- sign 79.512+/-0.013 χ^2/NDF: 1786123.3/33



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -1008.705+/-172.206 χ^2/NDF:35.5/15

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

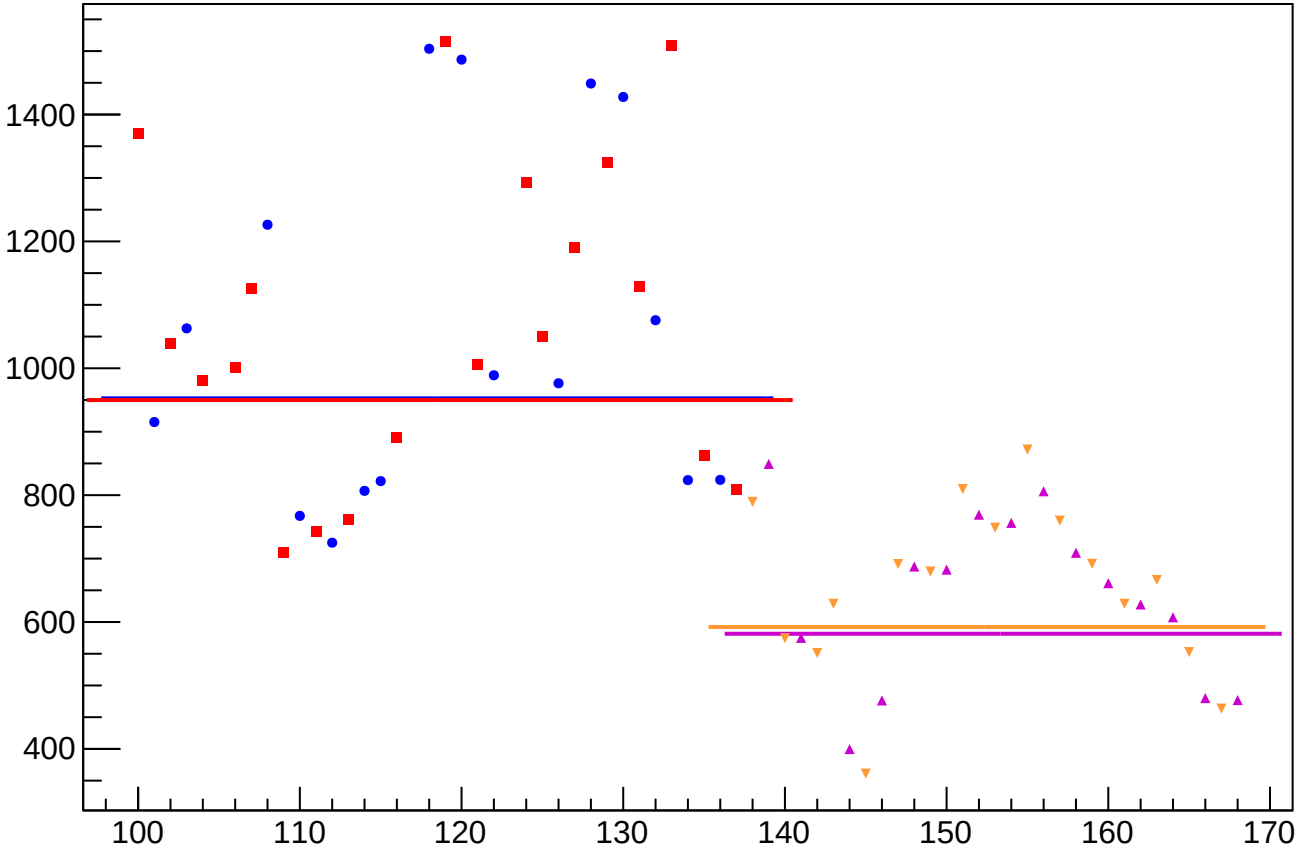
Left In: 58.758+/-170.402 χ^2/NDF:12.9/14

+ sign -907.509+/-155.790 χ^2/NDF: 61.1/31

All: -498.792+/-109.468 χ^2/NDF: 106.0/65

- sign -100.185+/-153.851 χ^2/NDF: 31.3/33

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 592.192+/-0.122 χ^2/NDF:1460812.2/15

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

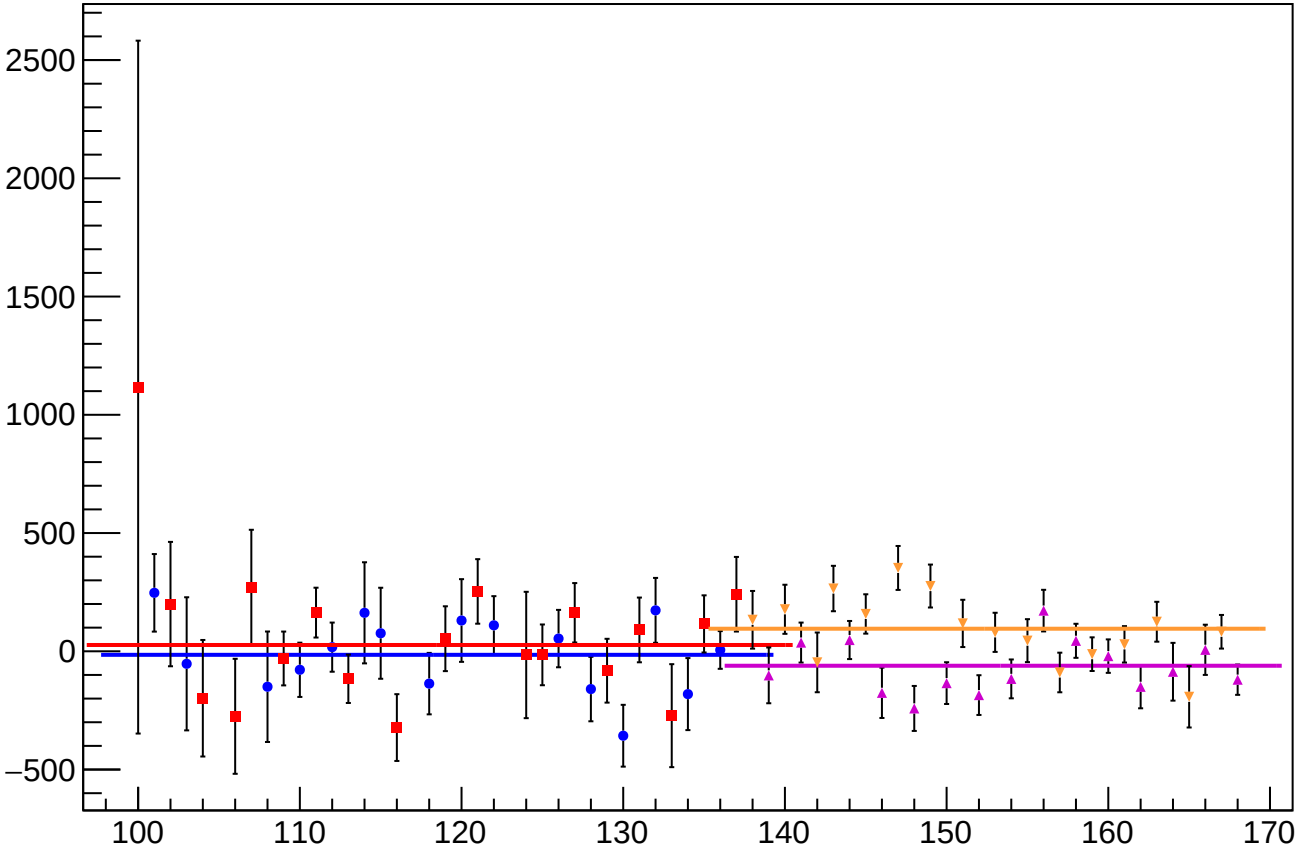
Left In: 581.503+/-0.120 χ^2/NDF:1231467.0/14

\+ sign 657.624+/-0.110 χ^2/NDF: 3797369.0/31

All: 653.557+/-0.077 χ^2/NDF: 7510841.2/65

\- sign 649.590+/-0.109 χ^2/NDF: 3710779.8/33

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 95.429+/-22.433 χ^2/NDF:30.7/15

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

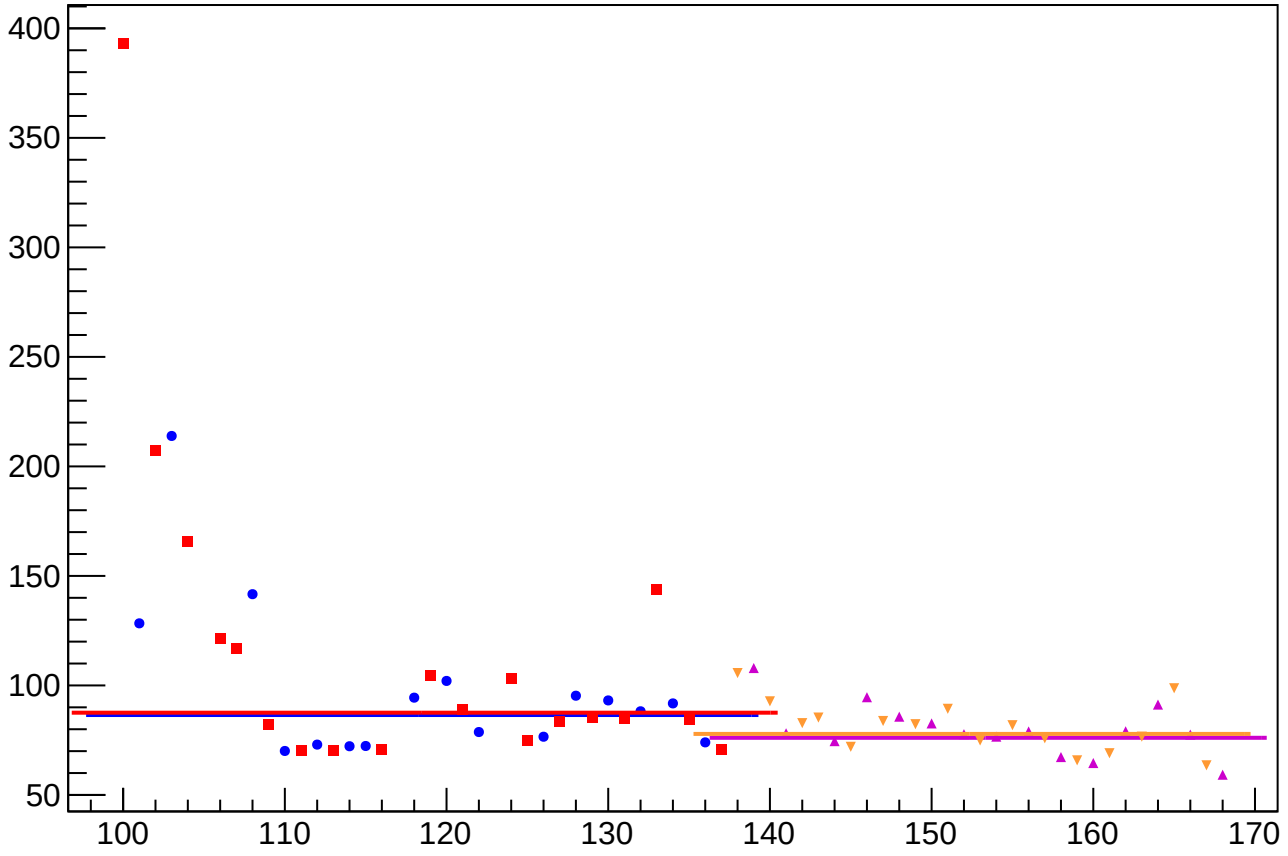
Left In: -61.110+/-22.223 χ^2/NDF:23.1/14

+ sign 61.620+/-18.684 χ^2/NDF: 56.3/31

All: 13.170+/-13.187 χ^2/NDF: 121.1/65

- sign -34.917+/-18.614 χ^2/NDF: 51.4/33

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 77.864+/-0.016 χ^2/NDF:433921.4/15

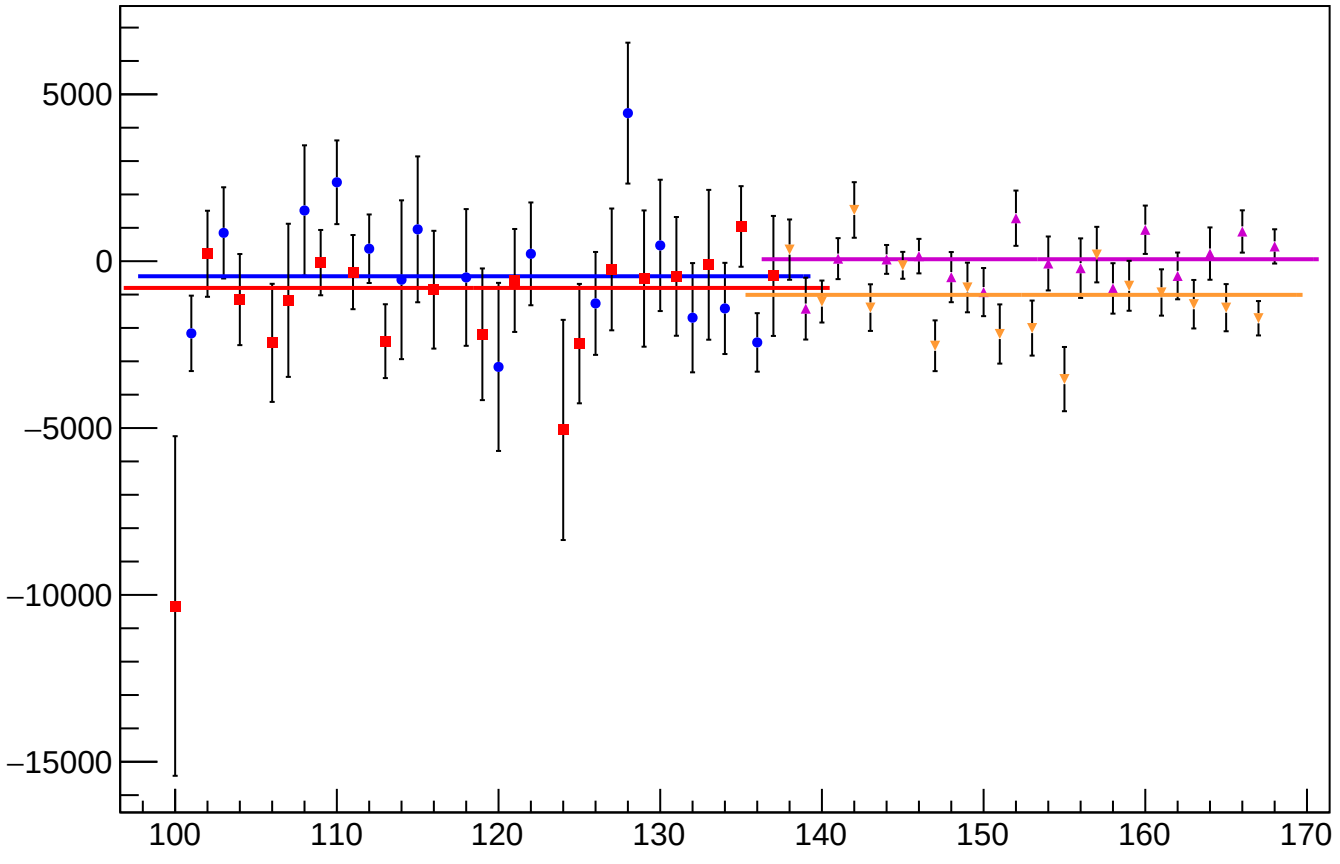
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 76.091+/-0.016 χ^2/NDF:497488.4/14

+ sign 80.506+/-0.013 χ^2/NDF: 1380735.4/31

All: 80.007+/-0.009 χ^2/NDF: 3169703.7/65

- sign 79.512+/-0.013 χ^2/NDF: 1786129.2/33



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -1008.705+/-172.206 χ^2/NDF:35.5/15

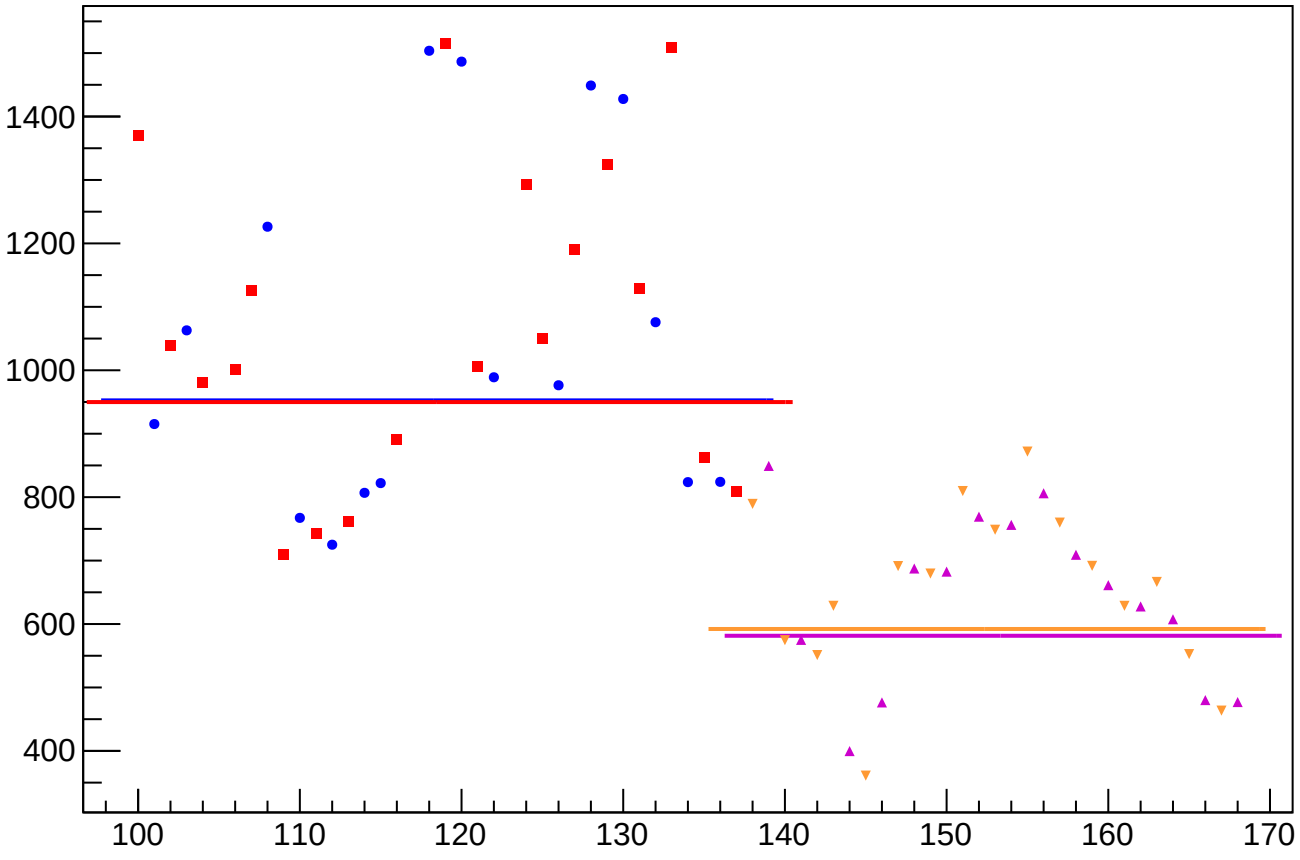
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 58.758+/-170.402 χ^2/NDF:12.9/14

+ sign -907.508+/-155.790 χ^2/NDF: 61.1/31

All: -498.792+/-109.468 χ^2/NDF: 106.0/65

- sign -100.184+/-153.851 χ^2/NDF: 31.3/33



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 592.192+/-0.122 χ^2/NDF:1460811.2/15

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

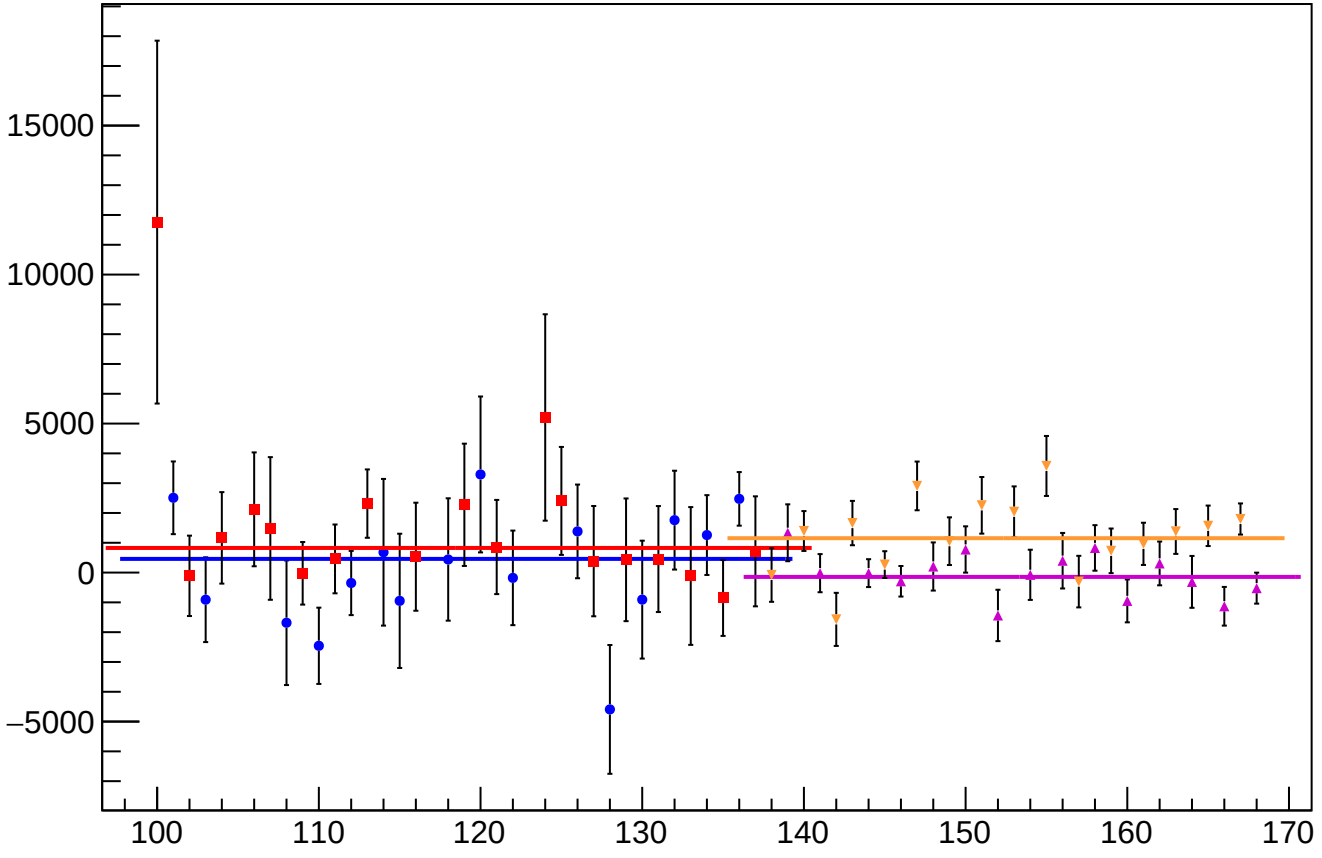
Left In: 581.503+/-0.120 χ^2/NDF:1231464.2/14

+ sign 657.623+/-0.110 χ^2/NDF: 3797365.6/31

All: 653.556+/-0.077 χ^2/NDF: 7510827.2/65

- sign 649.590+/-0.109 χ^2/NDF: 3710769.2/33

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 1153.472+/-180.378 χ^2/NDF:33.8/15

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

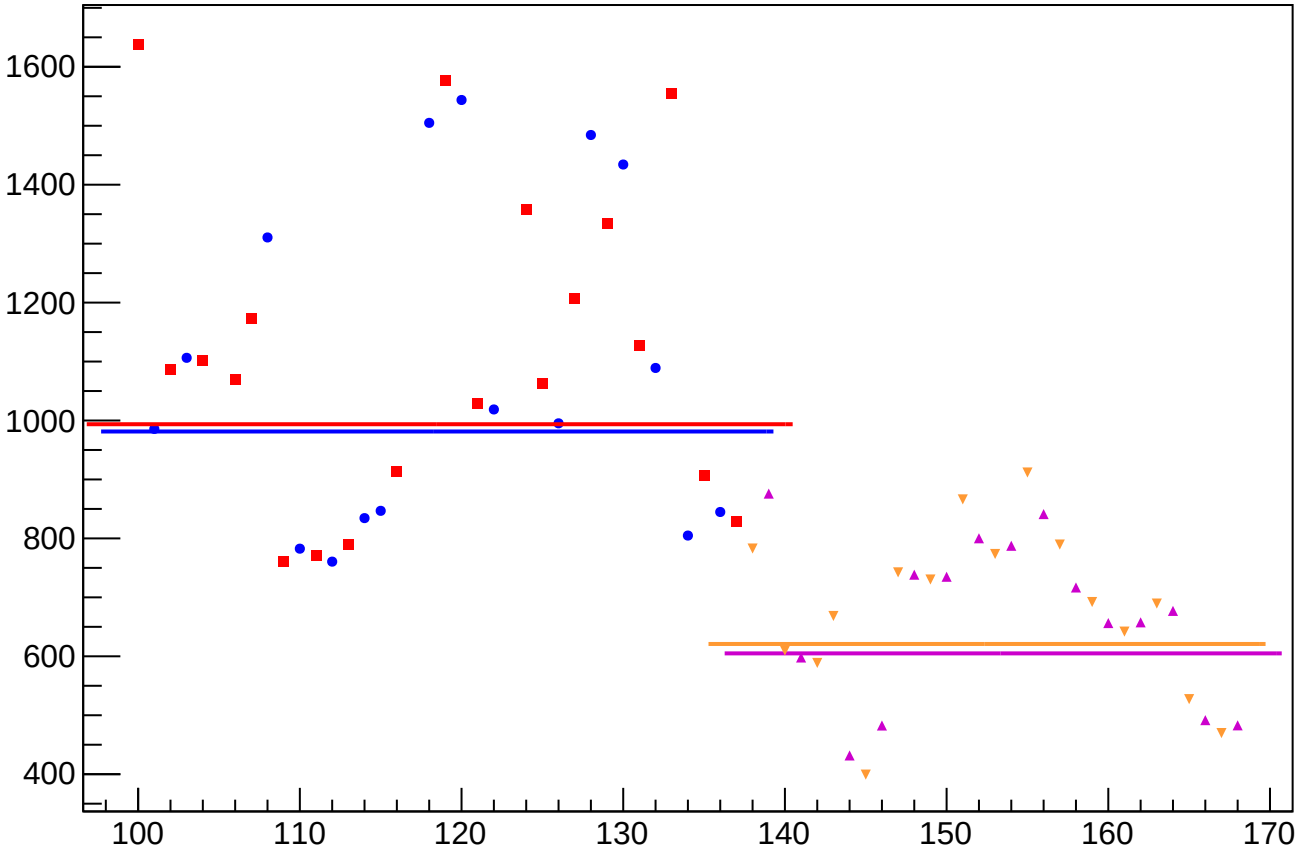
Left In: -145.606+/-177.071 χ^2/NDF:12.9/14

+ sign 1024.061+/-162.703 χ^2/NDF: 61.1/31

All: 520.015+/-114.102 χ^2/NDF: 110.1/65

- sign 32.214+/-160.059 χ^2/NDF: 30.1/33

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 620.917+/-0.128 χ^2/NDF:1326770.5/15

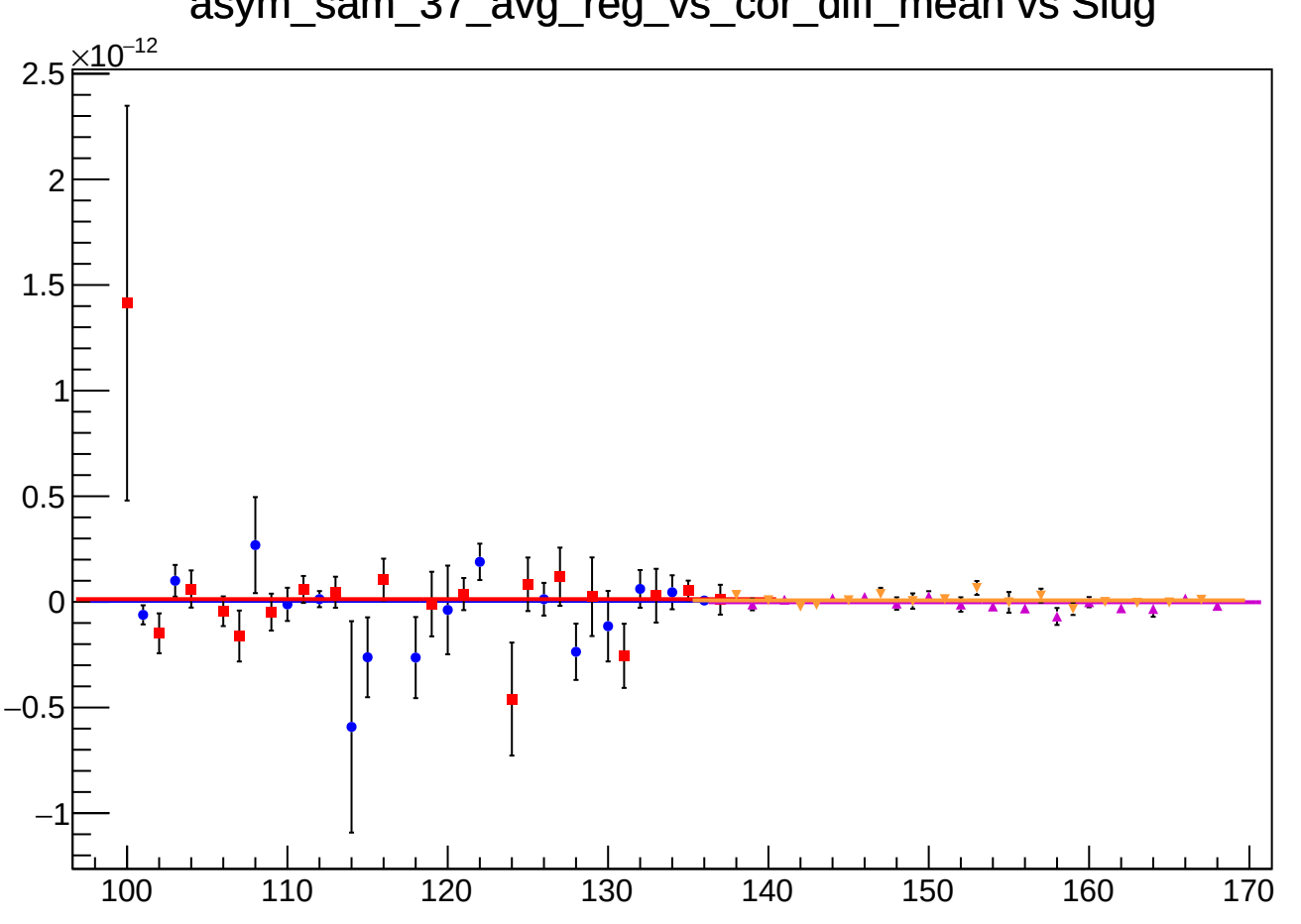
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 604.957+/-0.125 χ^2/NDF:1233240.8/14

+ sign 688.095+/-0.115 χ^2/NDF: 3552754.0/31

All: 681.980+/-0.081 χ^2/NDF: 7274450.3/65

- sign 676.062+/-0.113 χ^2/NDF: 3716137.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

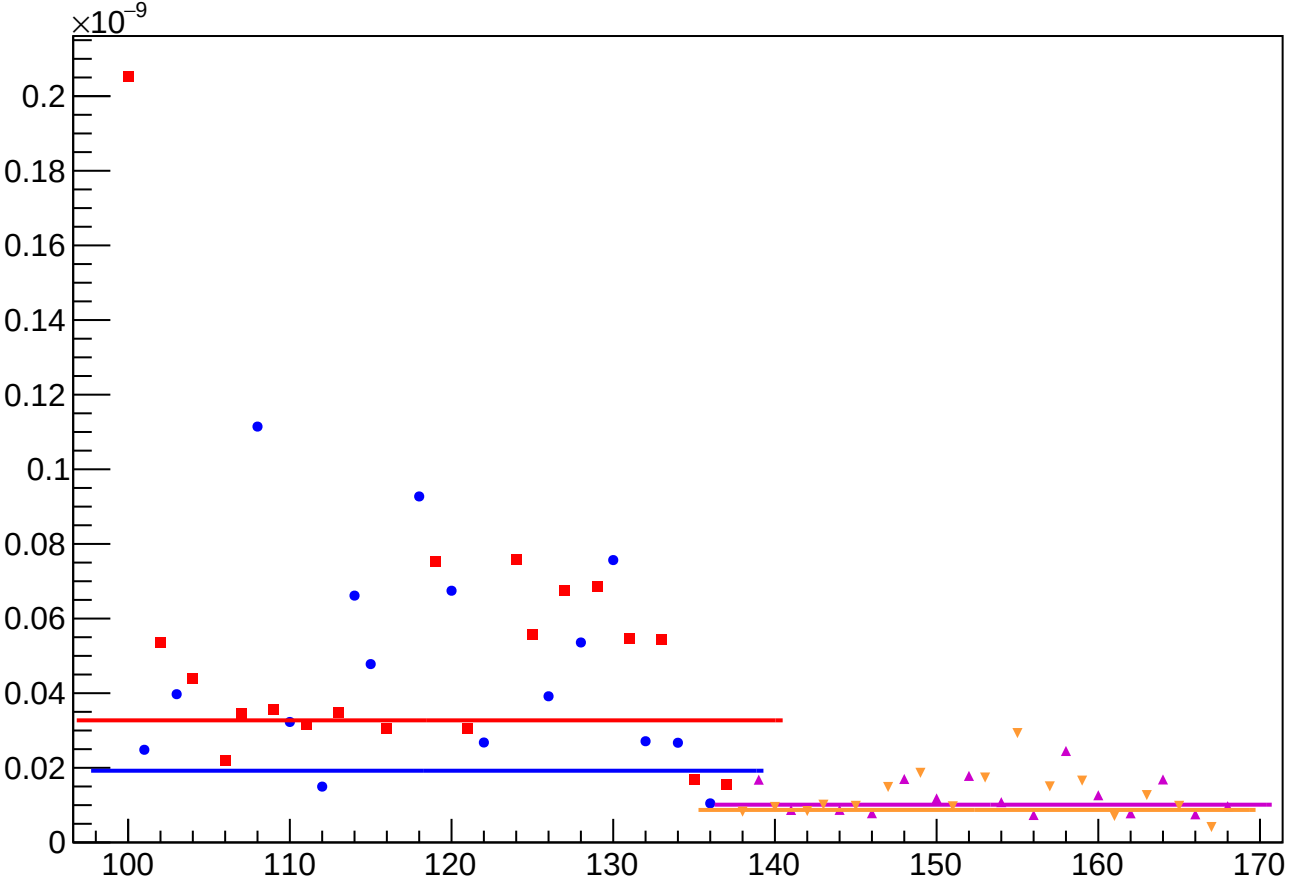
Left In: -0.000+/-0.000 χ^2/NDF:17.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 32.3/31

All: 0.000+/-0.000 χ^2/NDF: 70.1/65

- sign -0.000+/-0.000 χ^2/NDF: 36.5/33

asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1608143.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

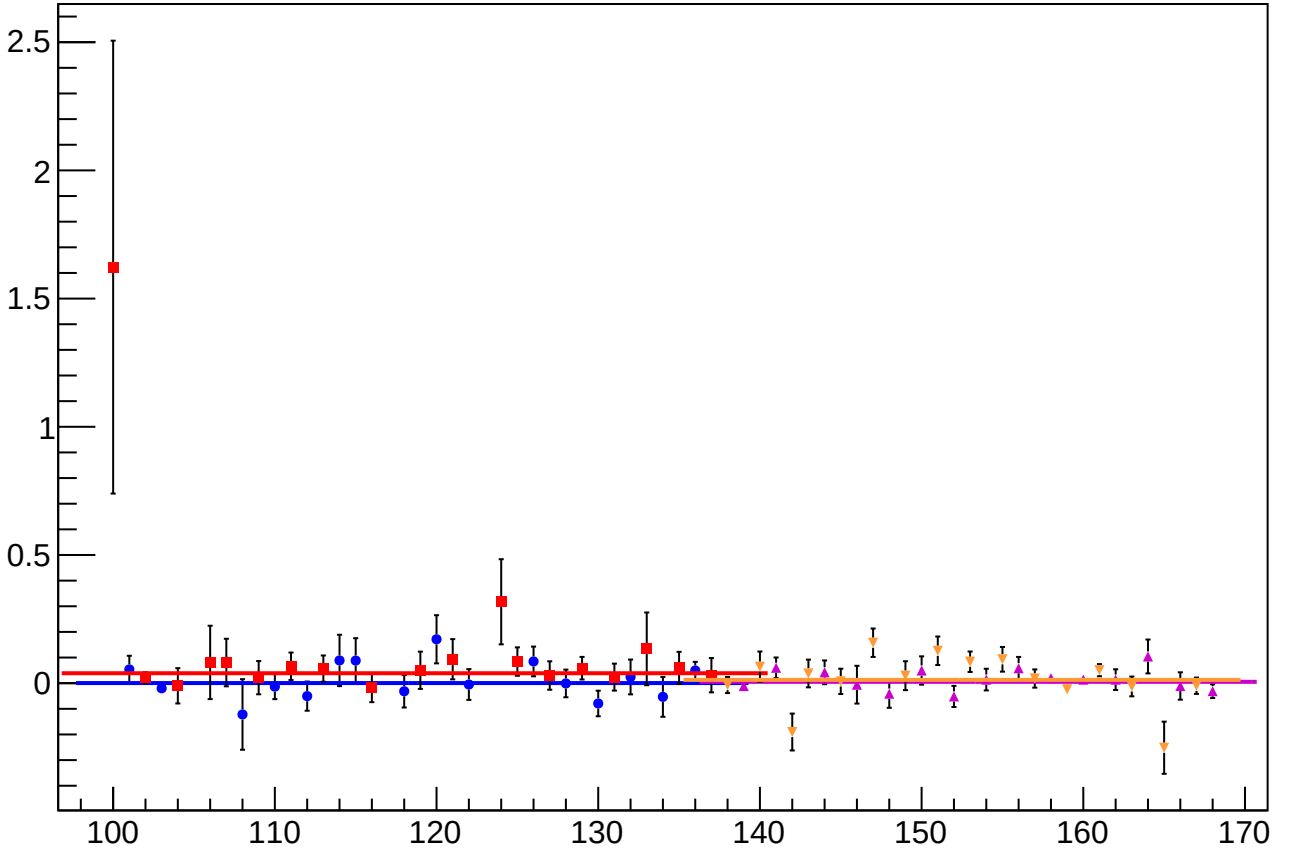
Left In: 0.000+/-0.000 χ^2/NDF:882905.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 4540896.4/31

All: 0.000+/-0.000 χ^2/NDF: 8966340.4/65

- sign 0.000+/-0.000 χ^2/NDF: 4291164.4/33

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: 0.013+/-0.009 χ^2/NDF:41.7/15

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

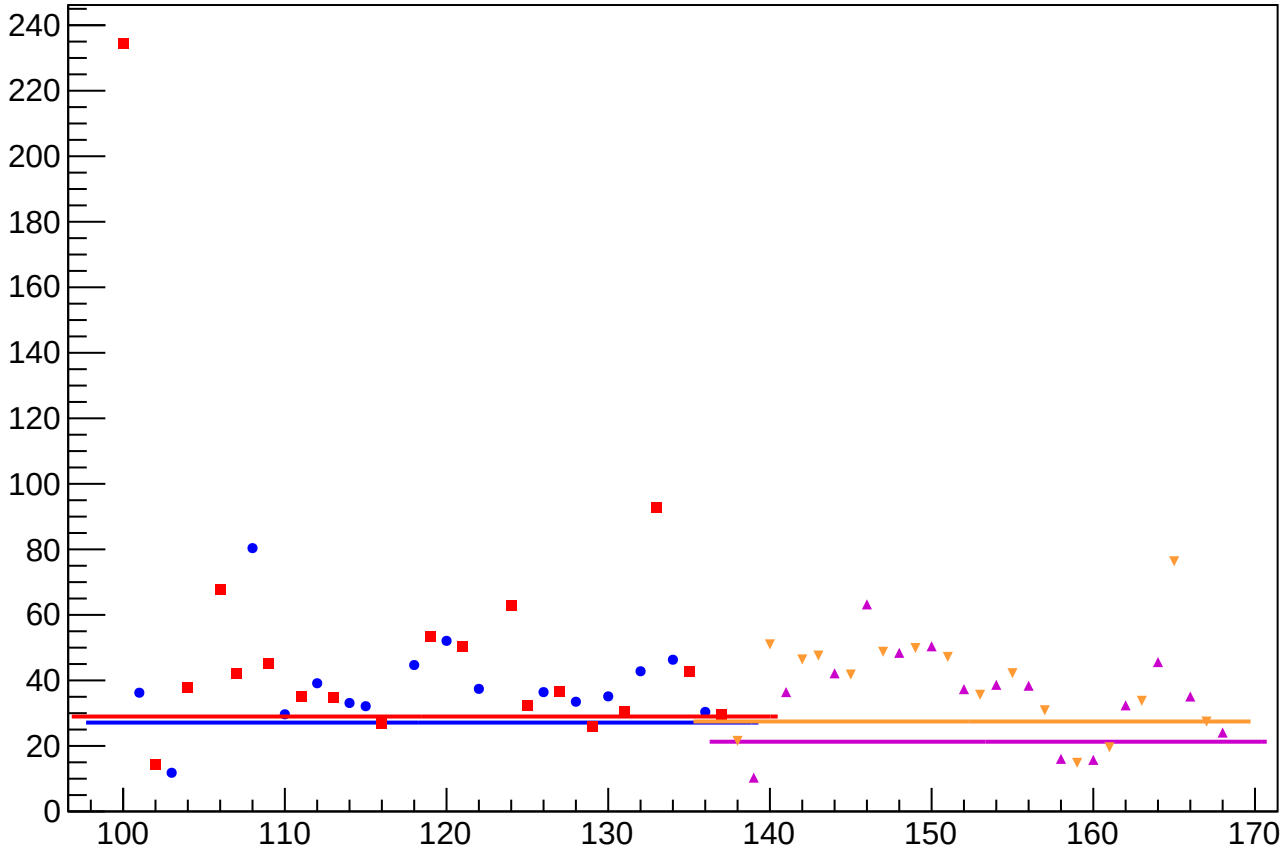
Left In: 0.005+/-0.007 χ^2/NDF:13.9/14

+ sign 0.008+/-0.007 χ^2/NDF: 58.8/31

All: 0.011+/-0.005 χ^2/NDF: 89.3/65

- sign 0.014+/-0.006 χ^2/NDF: 30.2/33

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: 27.458+/-0.006 χ^2/NDF:4037922.1/15

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

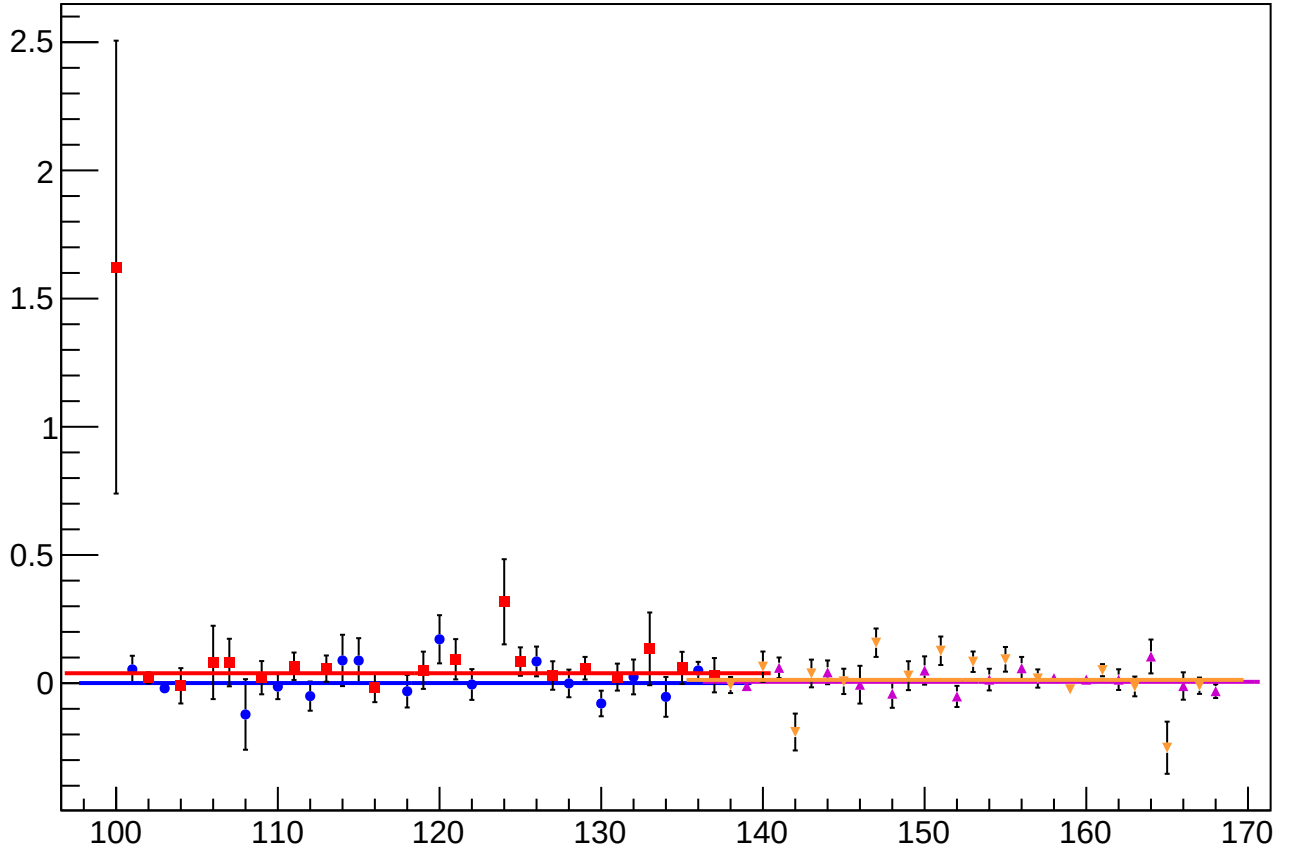
Left In: 21.286+/-0.005 χ^2/NDF:5600335.4/14

\+ sign 27.339+/-0.005 χ^2/NDF: 6454201.1/31

All: 25.069+/-0.003 χ^2/NDF: 15415067.7/65

\- sign 23.272+/-0.005 χ^2/NDF: 8606399.4/33

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: 0.013+/-0.009 χ^2/NDF:41.7/15

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

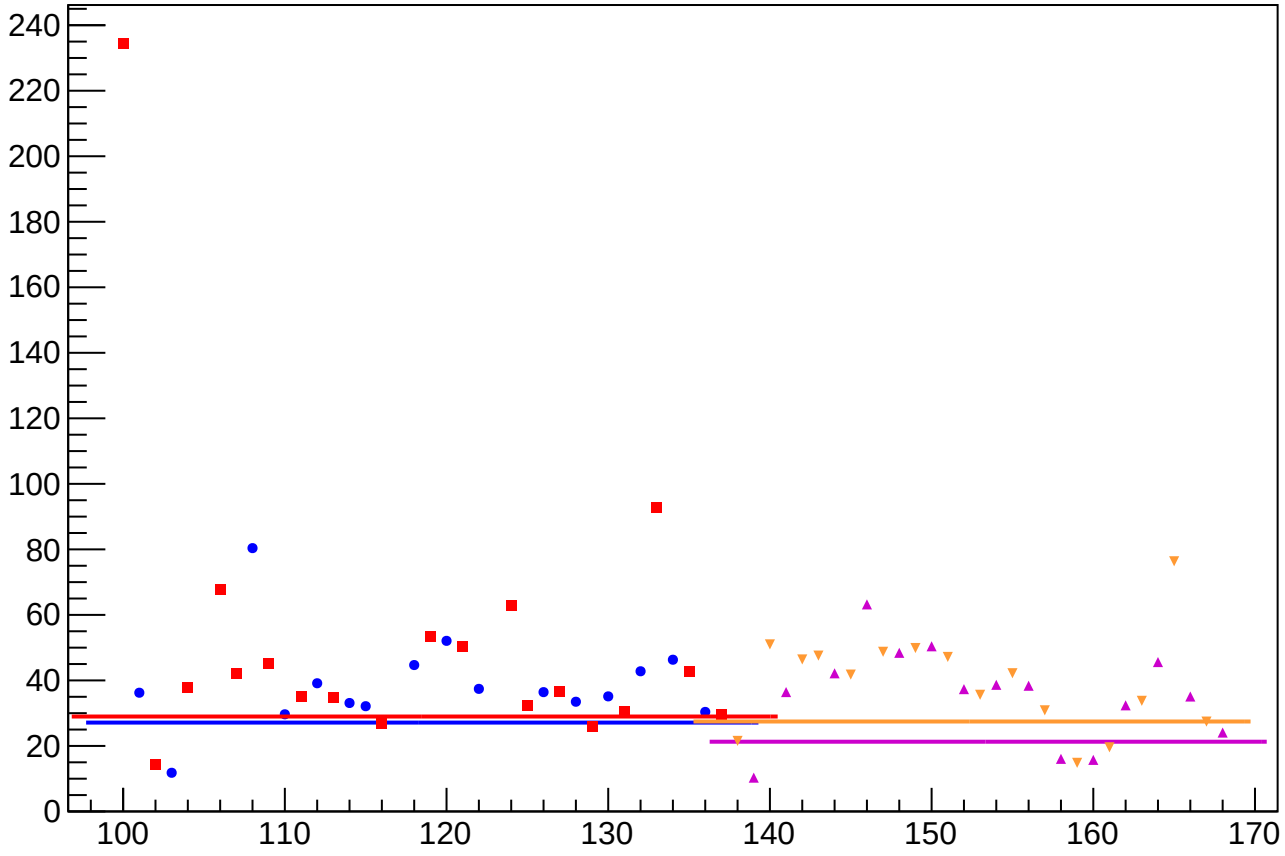
Left In: 0.005+/-0.007 χ^2/NDF:13.9/14

+ sign 0.008+/-0.007 χ^2/NDF: 58.8/31

All: 0.011+/-0.005 χ^2/NDF: 89.3/65

- sign 0.014+/-0.006 χ^2/NDF: 30.2/33

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: 27.458+/-0.006 χ^2/NDF:4037922.1/15

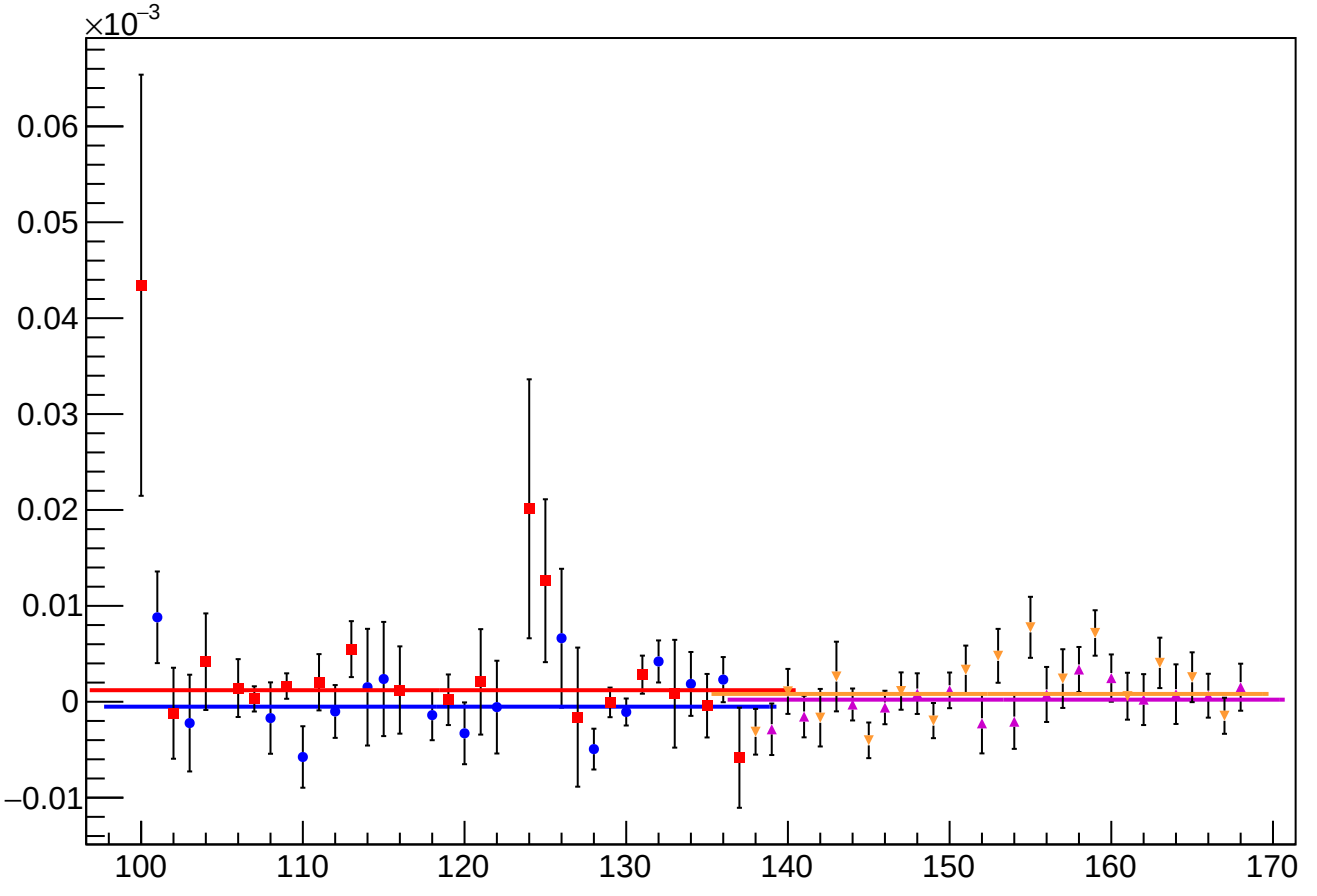
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 21.286+/-0.005 χ^2/NDF:5600335.4/14

+ sign 27.339+/-0.005 χ^2/NDF: 6454201.1/31

All: 25.069+/-0.003 χ^2/NDF: 15415067.7/65

- sign 23.272+/-0.005 χ^2/NDF: 8606399.4/33



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.5/15

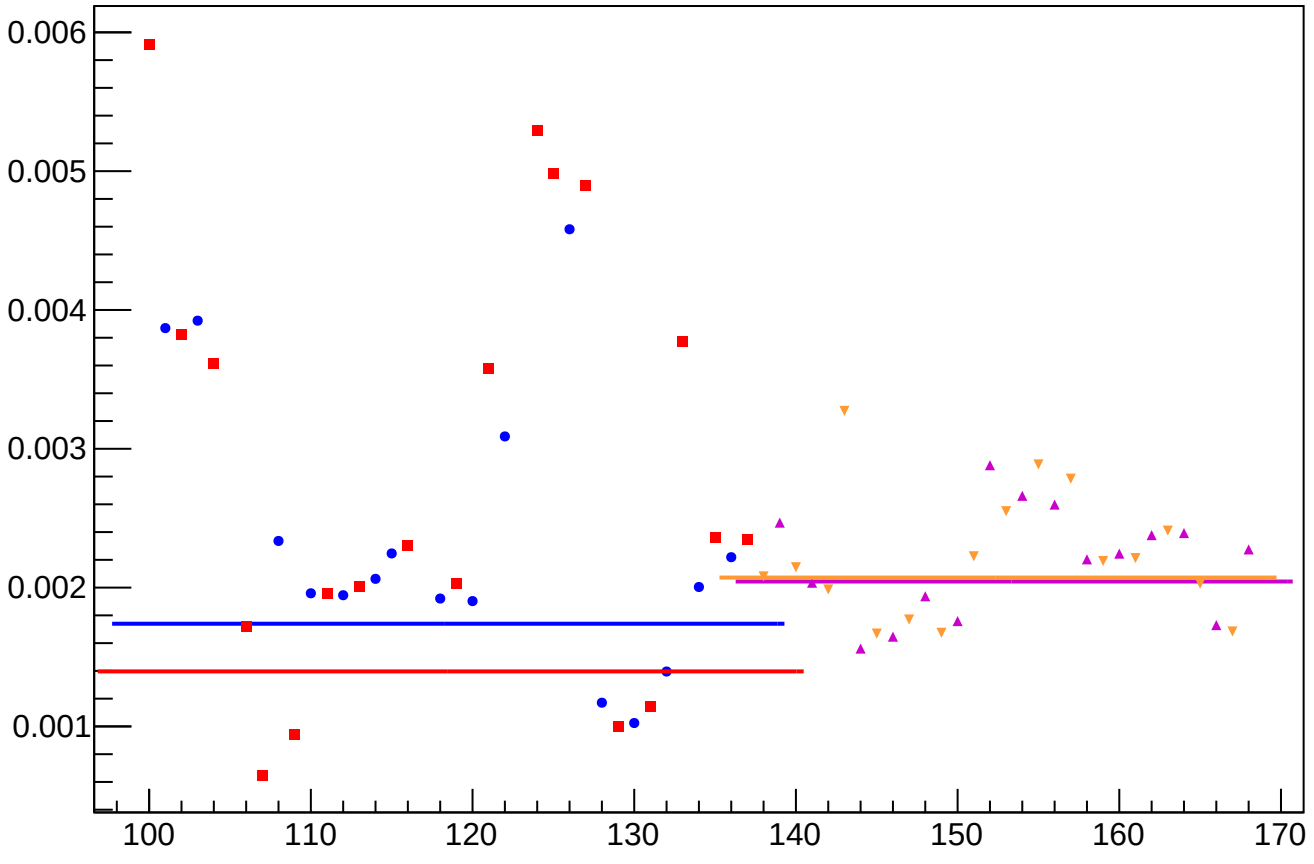
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:6.9/14

+ sign 0.000+/-0.000 χ^2/NDF: 53.5/31

All: 0.000+/-0.000 χ^2/NDF: 76.8/65

- sign 0.000+/-0.000 χ^2/NDF: 22.9/33



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:894372.6/15

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

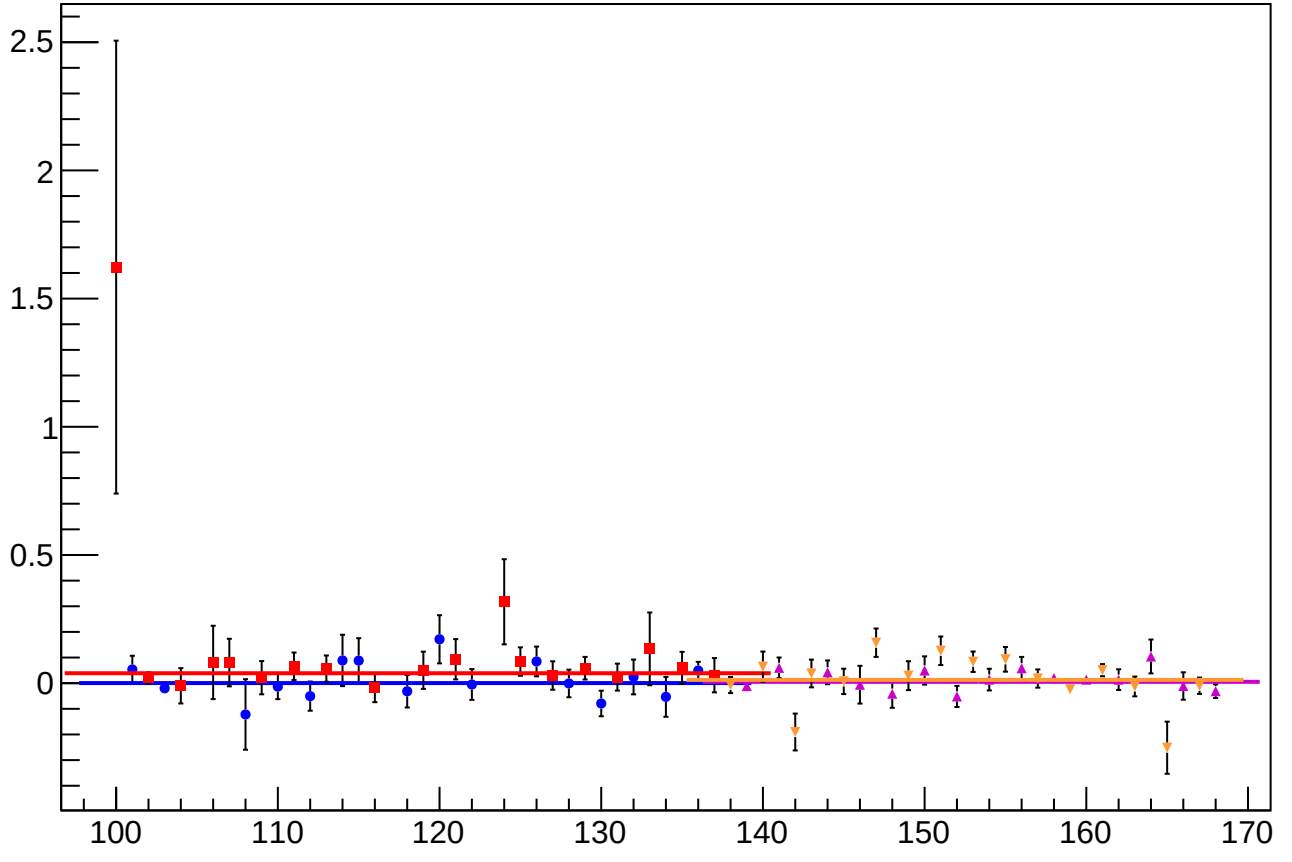
Left In: 0.002+/-0.000 χ^2/NDF:820658.5/14

+ sign 0.002+/-0.000 χ^2/NDF: 3295492.3/31

All: 0.002+/-0.000 χ^2/NDF: 9811280.6/65

- sign 0.002+/-0.000 χ^2/NDF: 6299769.9/33

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: 0.013+/-0.009 χ^2/NDF:41.7/15

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

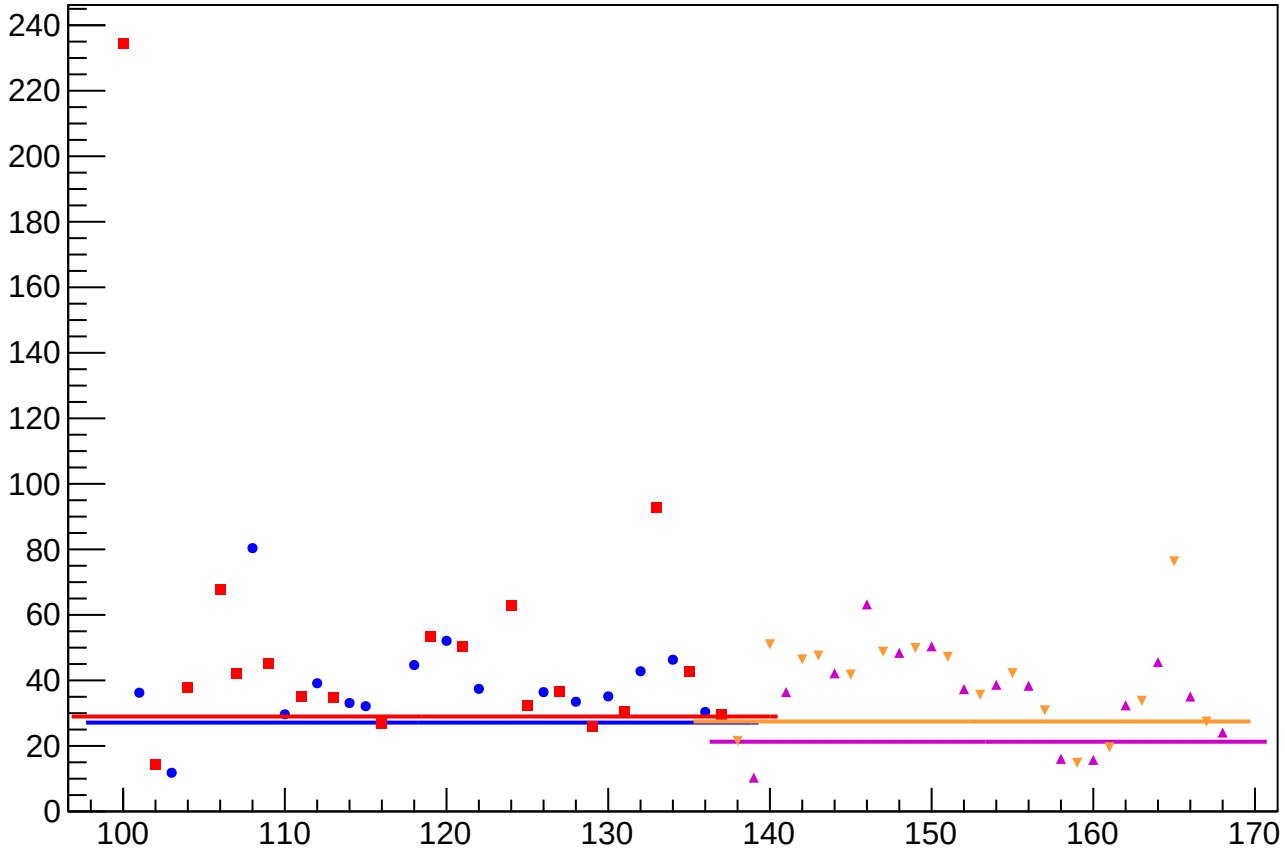
Left In: 0.005+/-0.007 χ^2/NDF:13.9/14

+ sign 0.008+/-0.007 χ^2/NDF: 58.8/31

All: 0.011+/-0.005 χ^2/NDF: 89.3/65

- sign 0.014+/-0.006 χ^2/NDF: 30.2/33

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: 27.457+/-0.006 χ^2/NDF:4038360.0/15

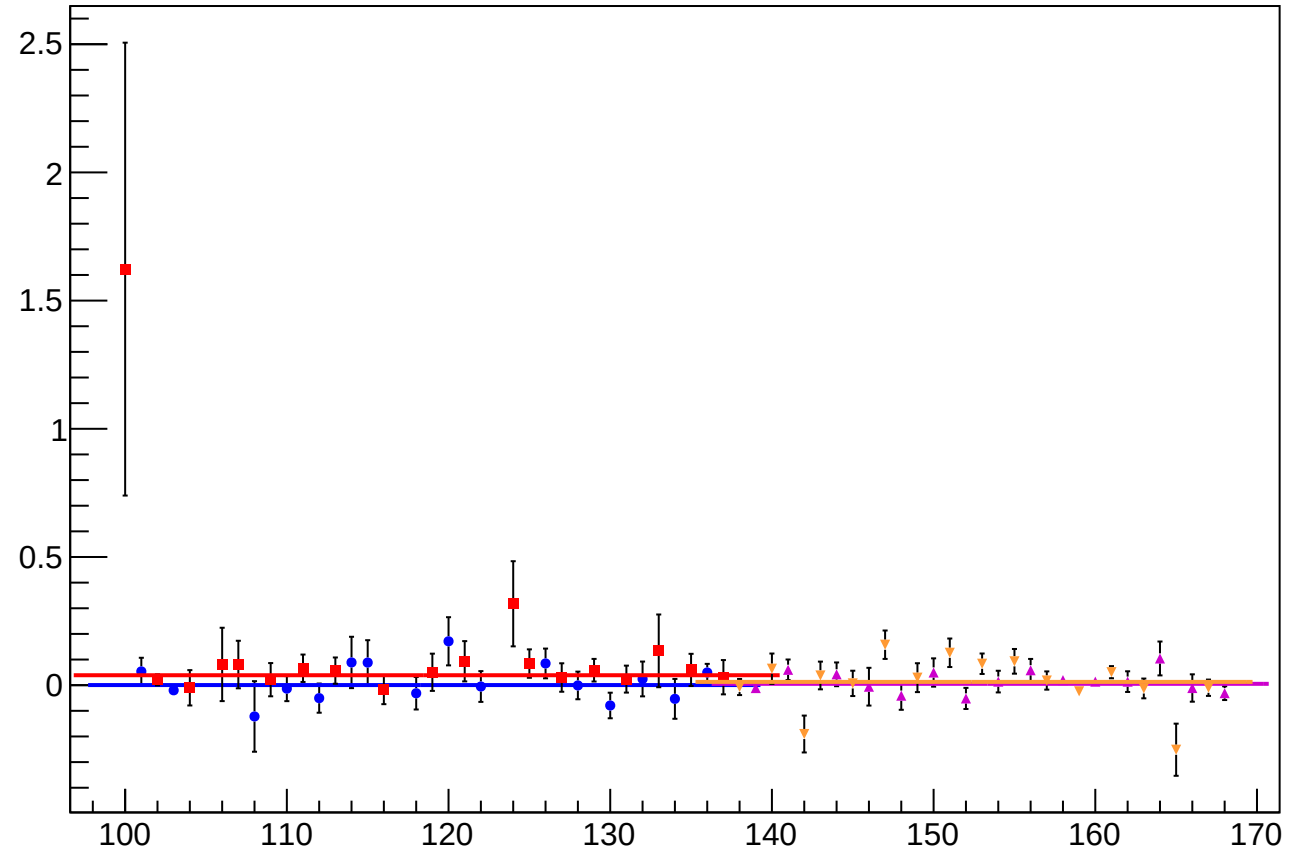
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.285+/-0.005 χ^2/NDF:5601141.8/14

\+ sign 27.339+/-0.005 χ^2/NDF: 6454974.6/31

All: 25.069+/-0.003 χ^2/NDF: 15416551.2/65

\- sign 23.272+/-0.005 χ^2/NDF: 8607133.0/33



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:41.7/15

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

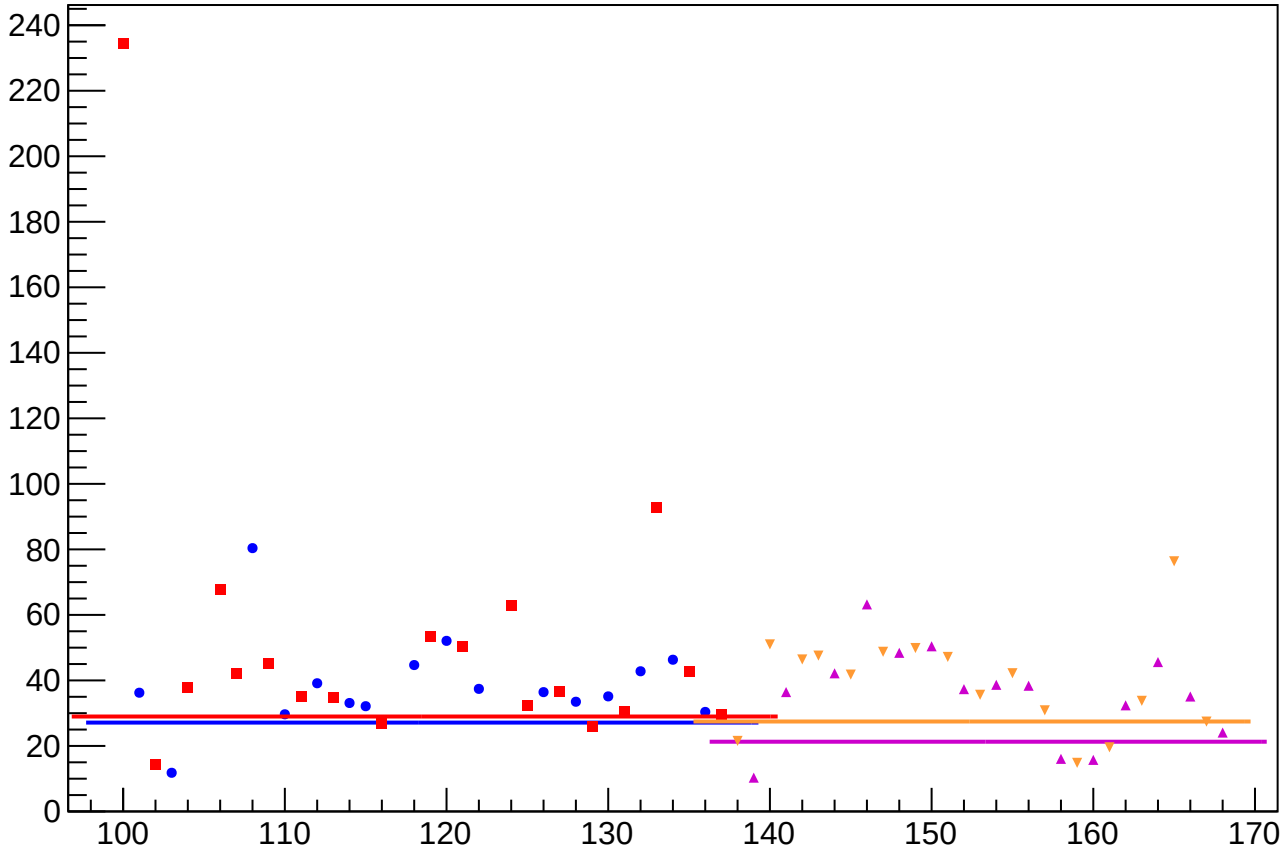
Left In: 0.005+/-0.007 χ^2/NDF:13.9/14

+ sign 0.008+/-0.007 χ^2/NDF: 58.8/31

All: 0.011+/-0.005 χ^2/NDF: 89.3/65

- sign 0.014+/-0.006 χ^2/NDF: 30.2/33

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: 27.457+/-0.006 χ^2/NDF:4038360.0/15

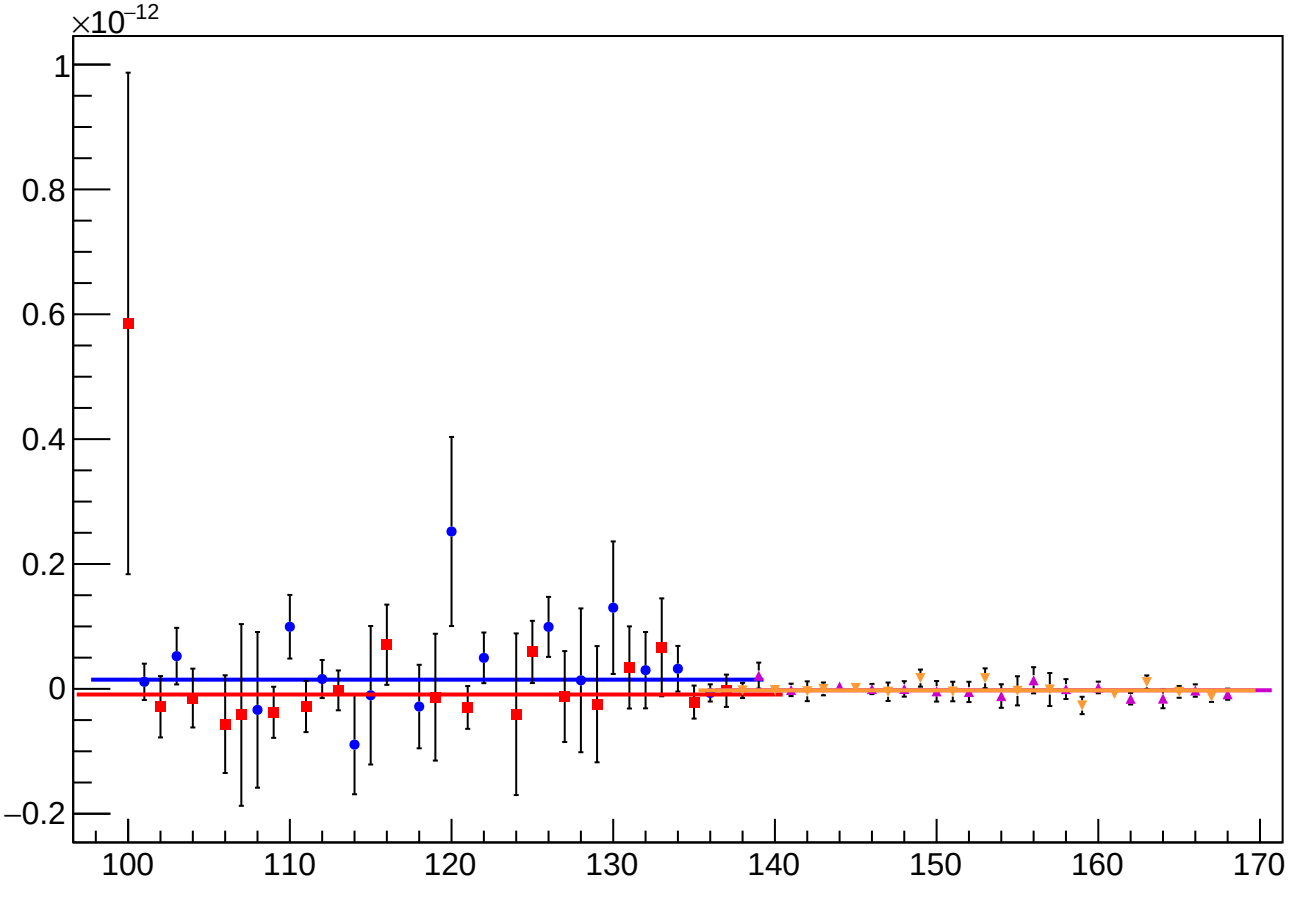
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.285+/-0.005 χ^2/NDF:5601141.8/14

\+ sign 27.339+/-0.005 χ^2/NDF: 6454974.6/31

All: 25.069+/-0.003 χ^2/NDF: 15416551.2/65

\- sign 23.272+/-0.005 χ^2/NDF: 8607133.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/15

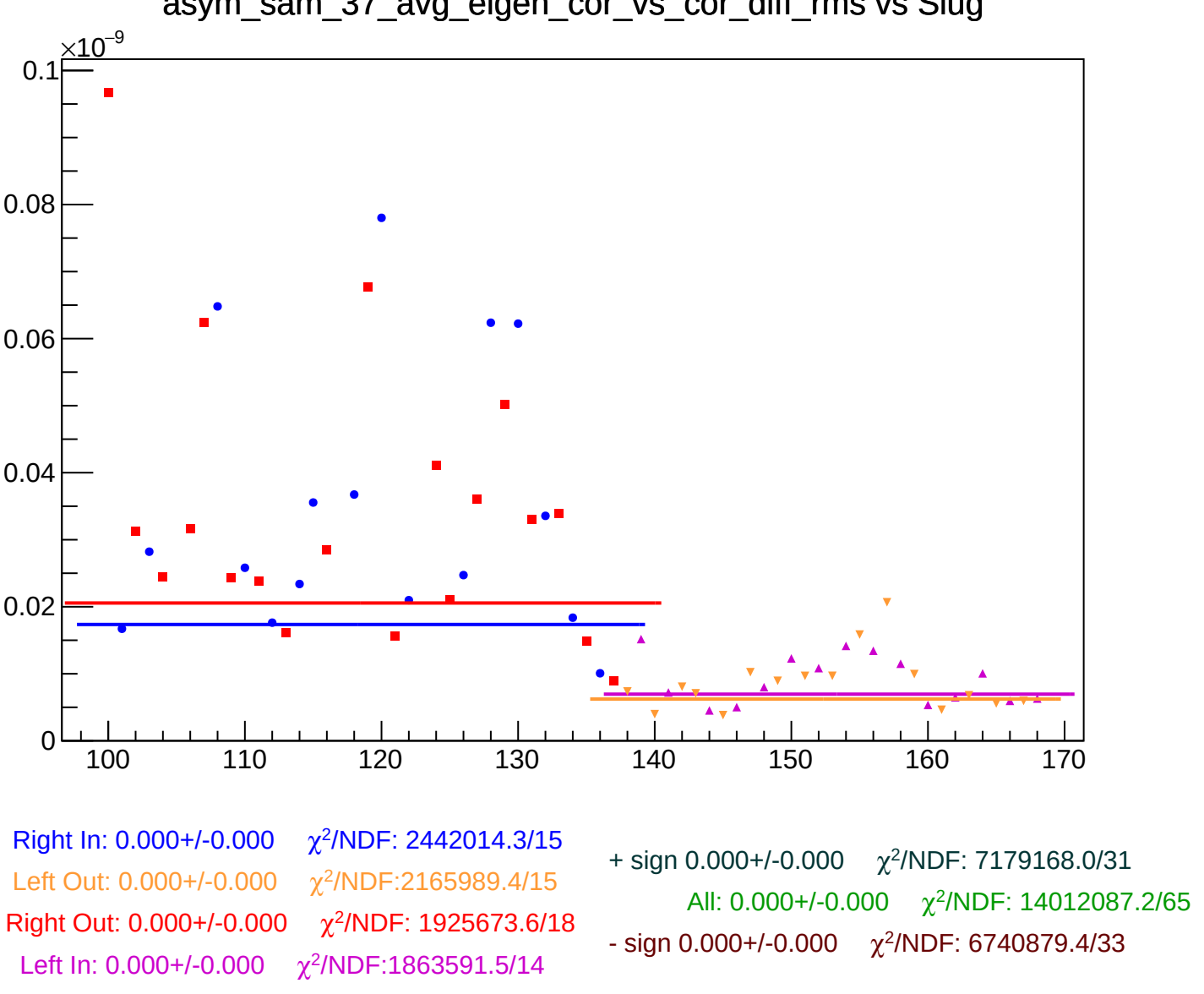
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/14

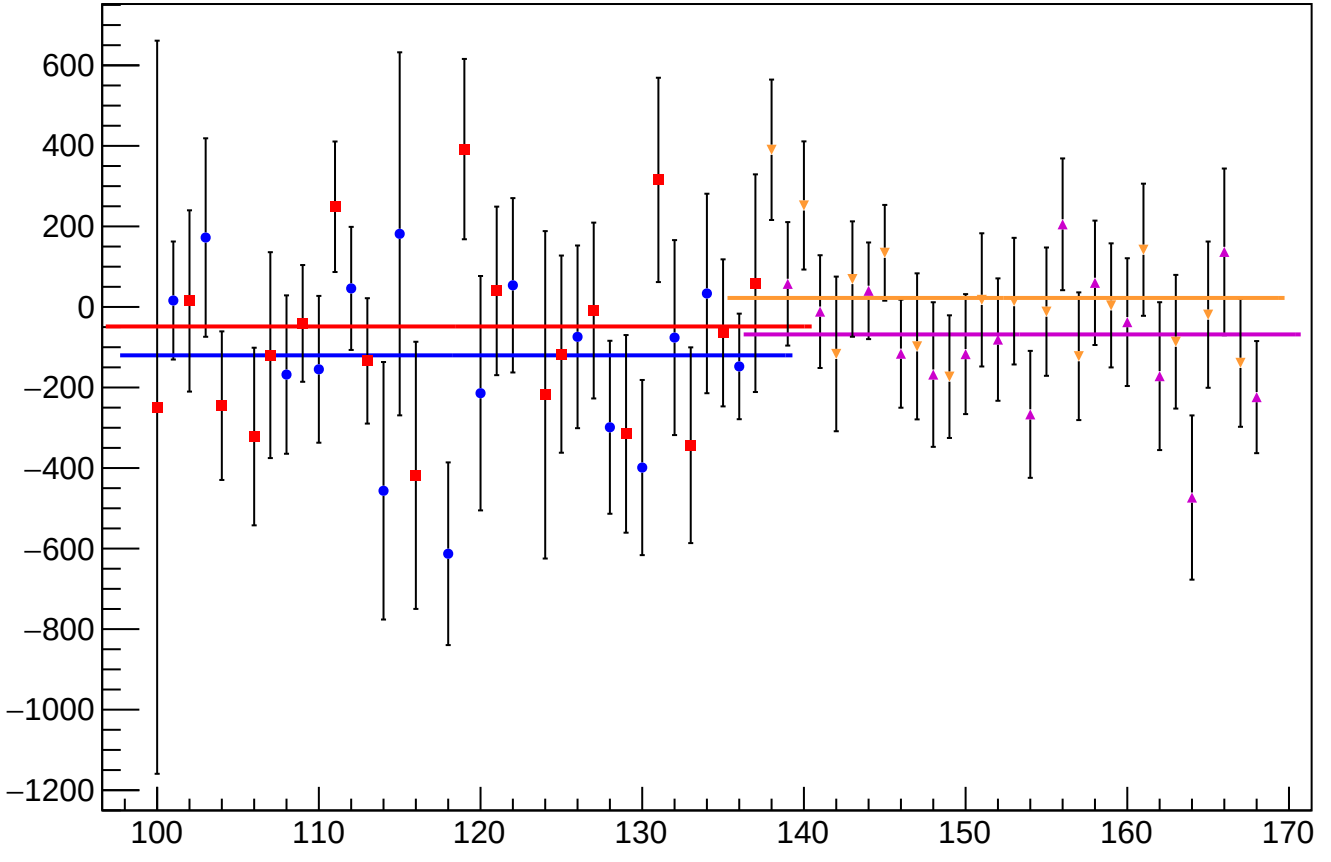
+ sign -0.000+/-0.000 χ^2/NDF: 29.6/31

All: -0.000+/-0.000 χ^2/NDF: 45.9/65

- sign -0.000+/-0.000 χ^2/NDF: 16.2/33


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:2165989.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 1925673.6/18
Left In: 0.000+/-0.000 χ²/NDF:1863591.5/14
+ sign 0.000+/-0.000 χ²/NDF: 7179168.0/31
All: 0.000+/-0.000 χ²/NDF: 14012087.2/65
- sign 0.000+/-0.000 χ²/NDF: 6740879.4/33

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 22.386+/-39.708 χ^2/NDF:13.1/15

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

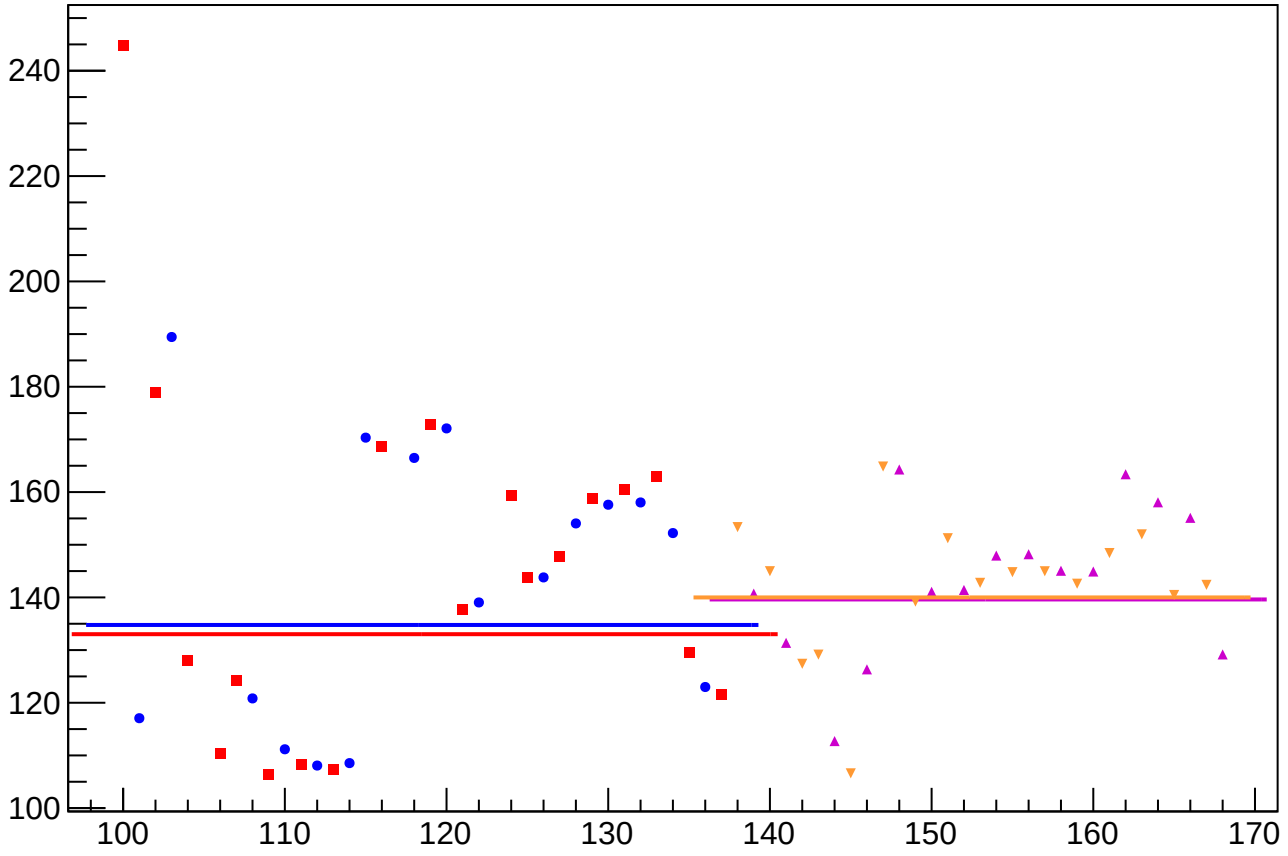
Left In: -68.202+/-39.972 χ^2/NDF:13.8/14

+ sign -31.277+/-31.355 χ^2/NDF: 31.3/31

All: -45.952+/-22.116 χ^2/NDF: 62.7/65

- sign -60.483+/-31.199 χ^2/NDF: 30.9/33

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 139.997+/-0.028 χ^2/NDF:259614.3/15

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

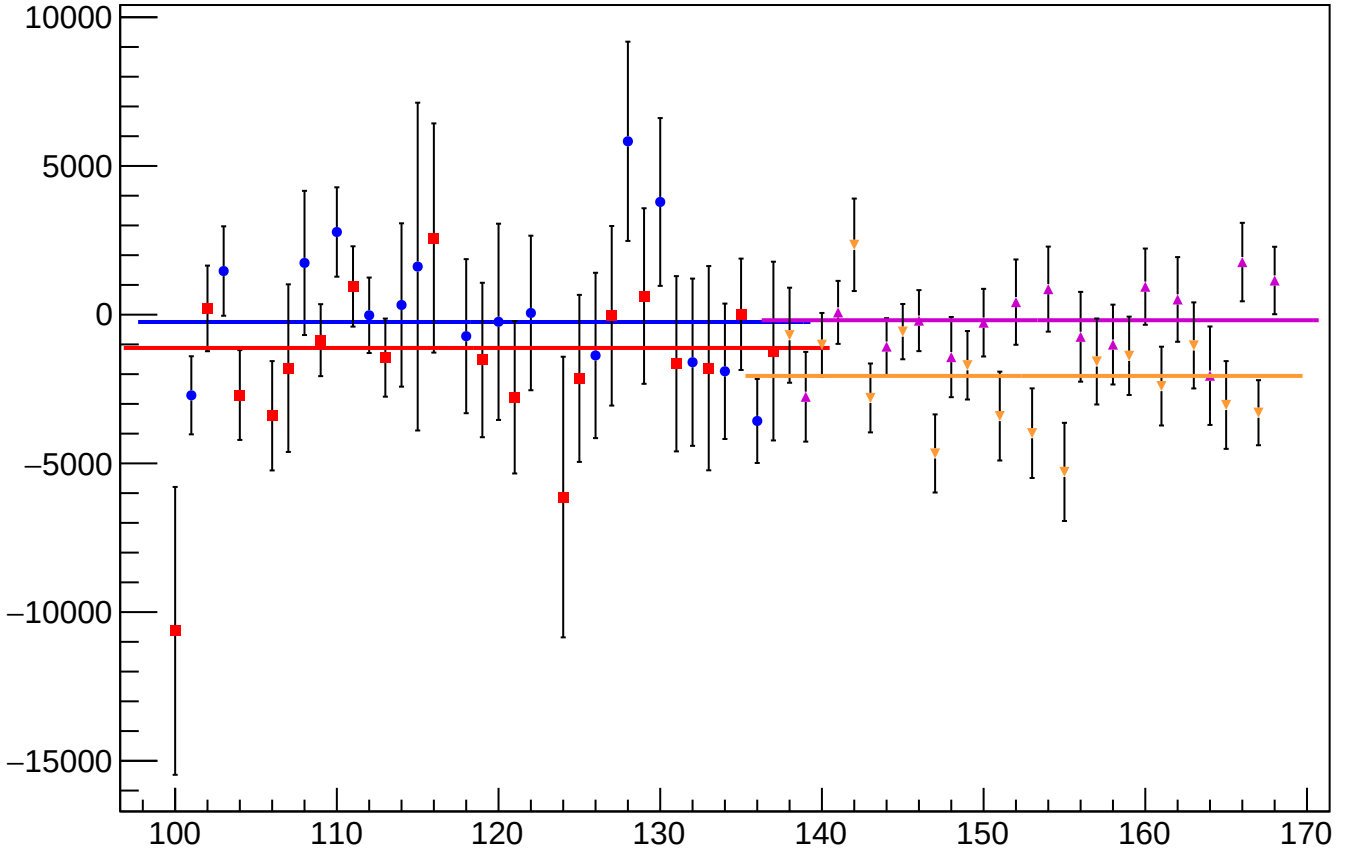
Left In: 139.613+/-0.028 χ^2/NDF:253473.5/14

+ sign 138.029+/-0.022 χ^2/NDF: 689432.2/31

All: 137.530+/-0.016 χ^2/NDF: 1460895.3/65

- sign 137.036+/-0.022 χ^2/NDF: 770454.5/33

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -2059.209+/-323.231 χ^2/NDF:25.7/15

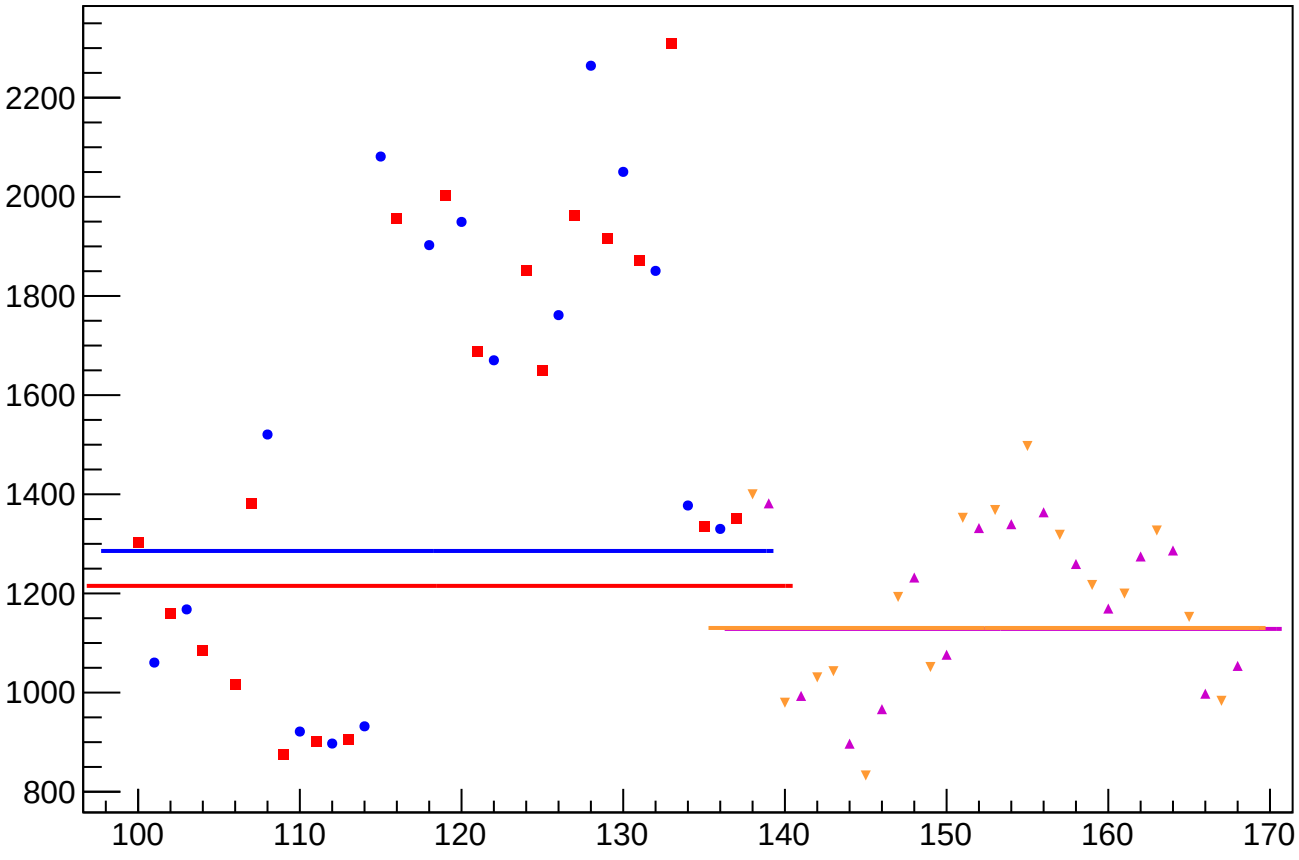
Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: -187.139+/-324.593 χ^2/NDF:11.8/14

+ sign -1527.017+/-271.674 χ^2/NDF: 56.5/31

All: -998.903+/-190.354 χ^2/NDF: 91.8/65

- sign -489.596+/-266.793 χ^2/NDF: 27.9/33



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1130.333+/-0.229 χ^2/NDF:649576.8/15

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

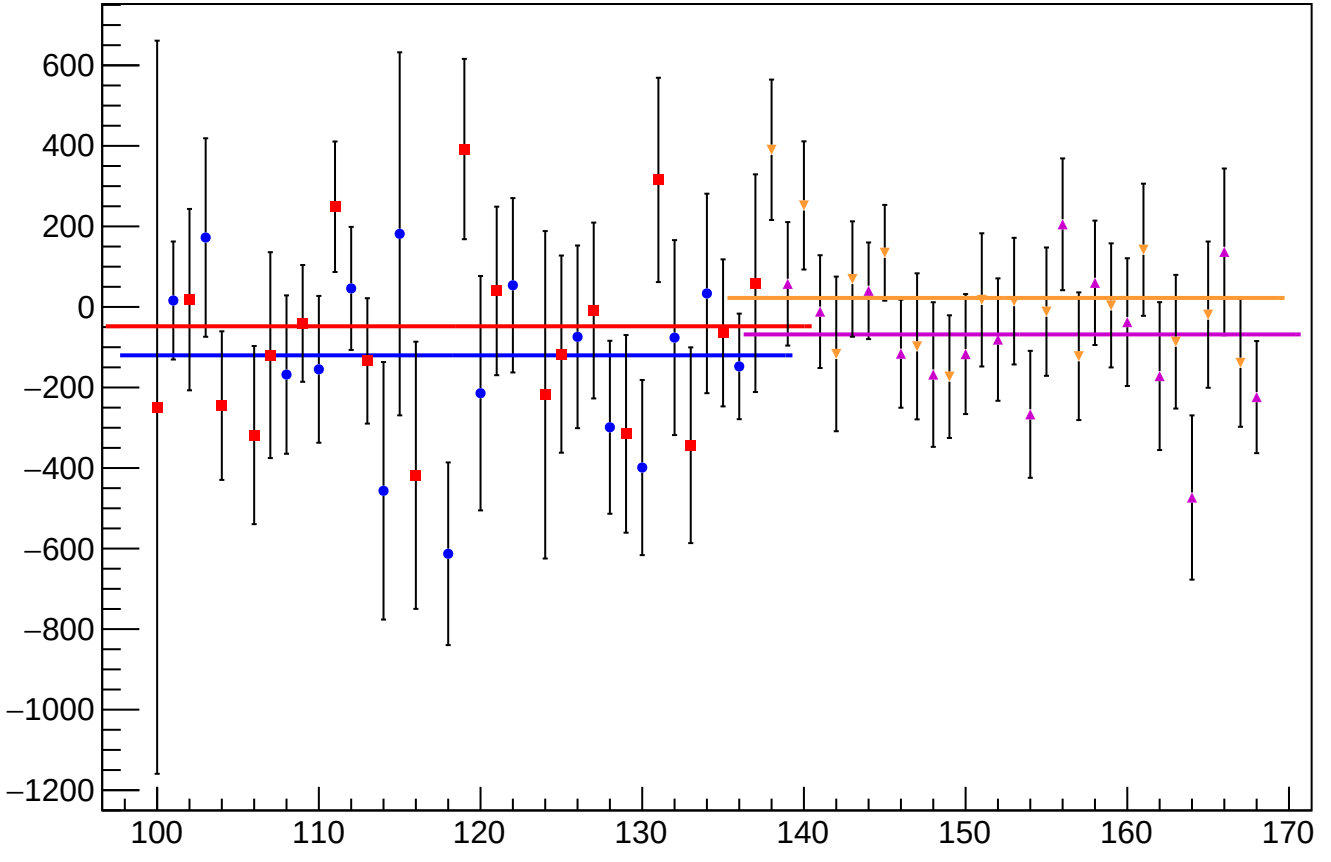
Left In: 1128.430+/-0.230 χ^2/NDF:493514.7/14

+ sign 1175.934+/-0.192 χ^2/NDF: 1955611.6/31

All: 1166.088+/-0.135 χ^2/NDF: 3886984.1/65

- sign 1156.592+/-0.189 χ^2/NDF: 1926212.1/33

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 22.392+/-39.708 χ^2/NDF:13.1/15

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

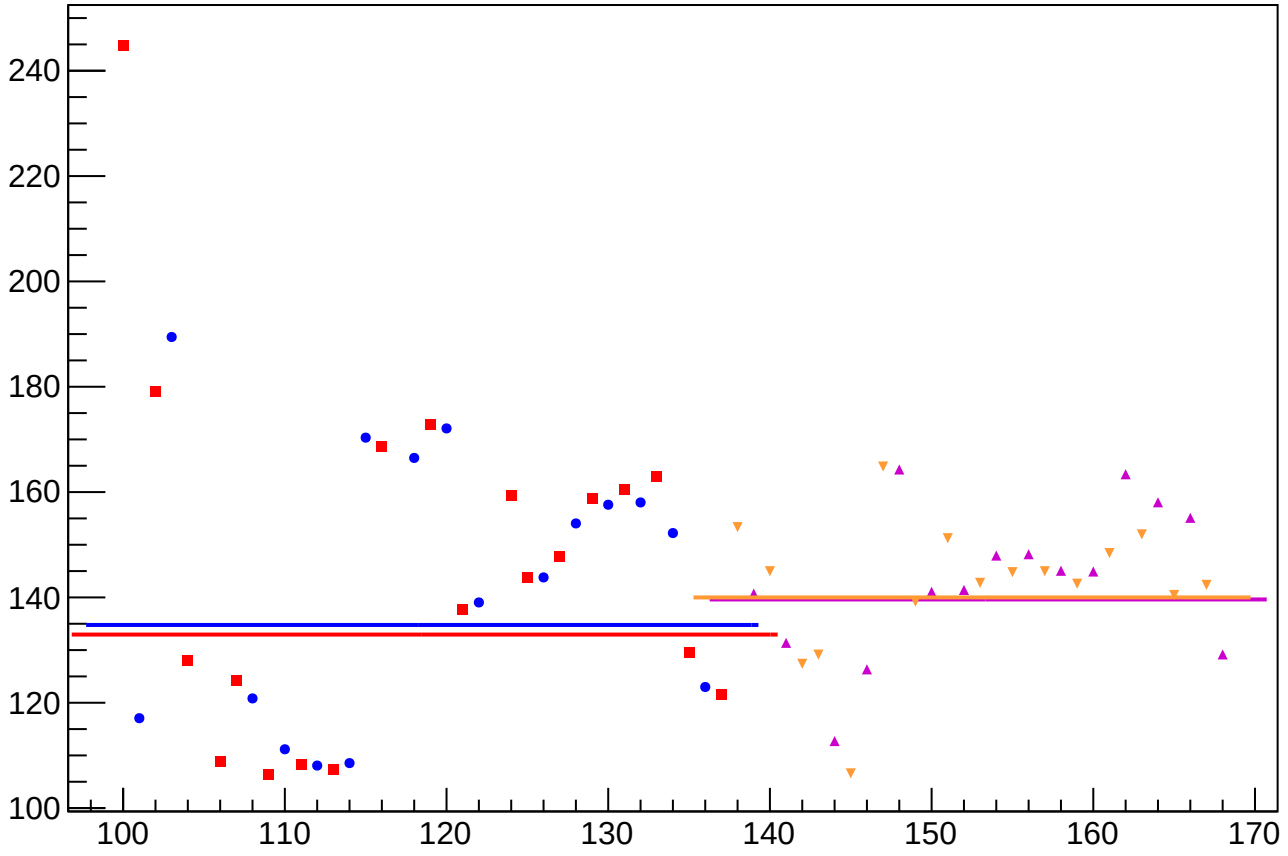
Left In: -68.203+/-39.972 χ^2/NDF:13.8/14

+ sign -31.276+/-31.355 χ^2/NDF: 31.3/31

All: -45.867+/-22.117 χ^2/NDF: 62.6/65

- sign -60.315+/-31.202 χ^2/NDF: 30.9/33

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.997+/-0.028 χ^2/NDF:259614.3/15

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

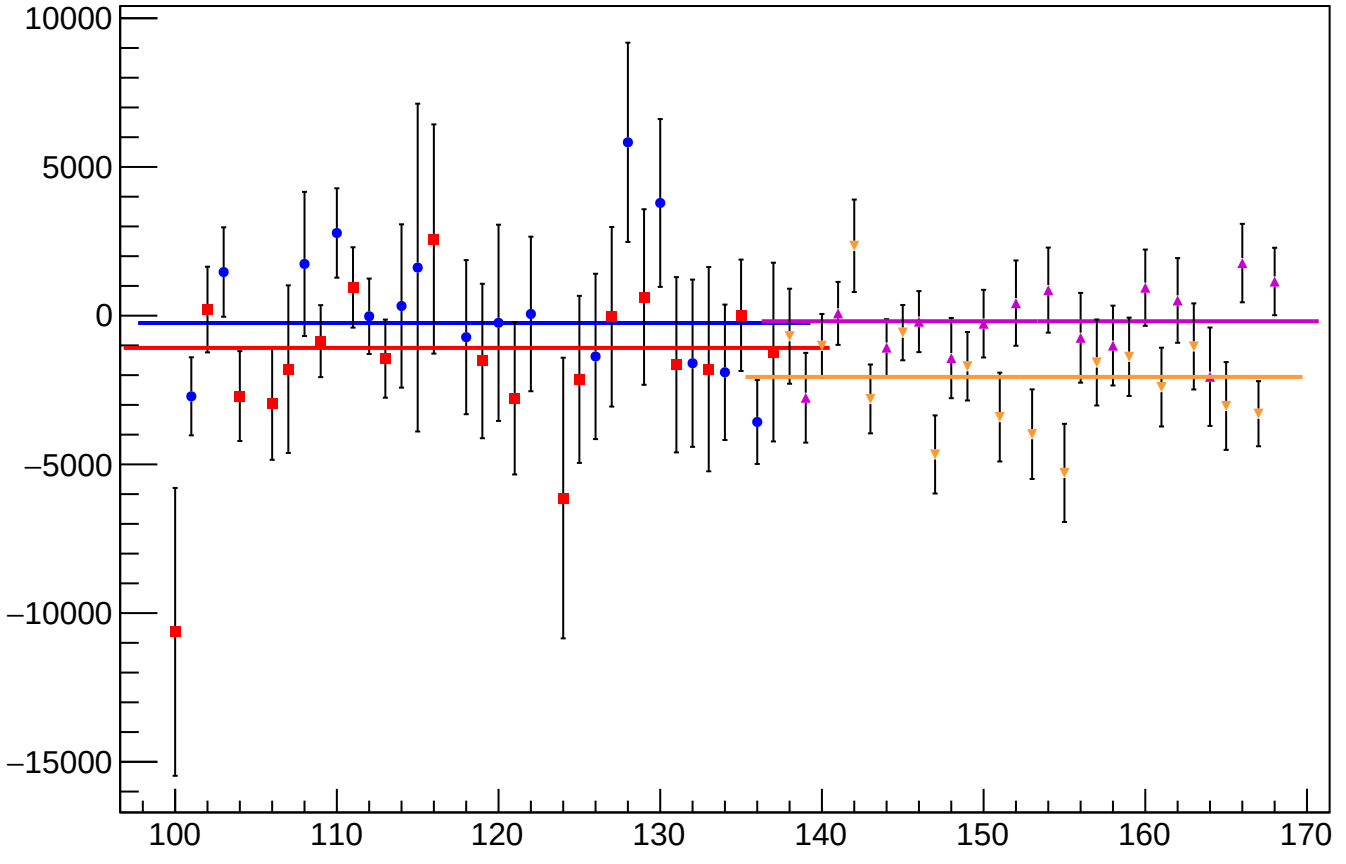
Left In: 139.613+/-0.028 χ^2/NDF:253473.6/14

\+ sign 138.029+/-0.022 χ^2/NDF: 689435.2/31

All: 137.516+/-0.016 χ^2/NDF: 1464553.4/65

\- sign 137.008+/-0.022 χ^2/NDF: 774052.7/33

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -2059.198+/-323.231 χ^2/NDF:25.7/15

Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

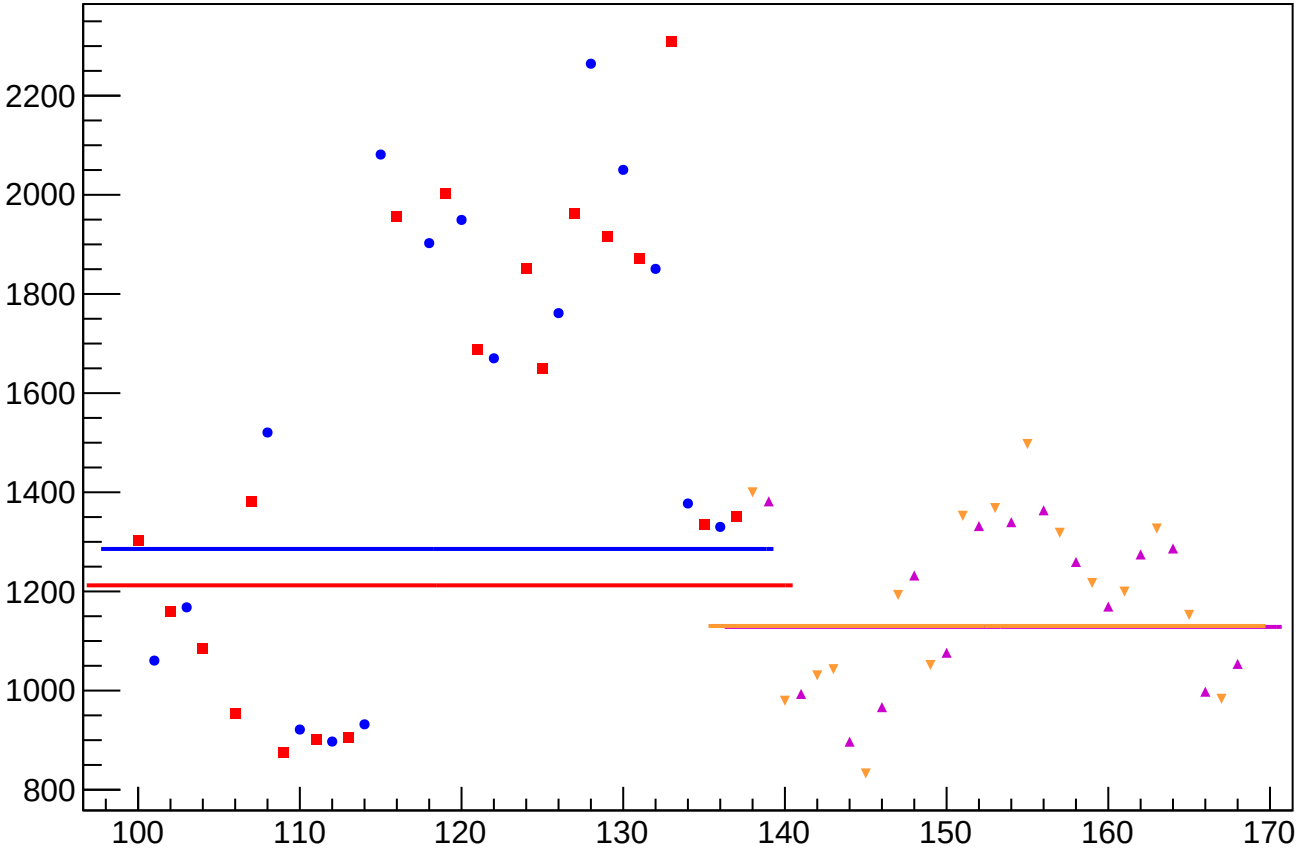
Left In: -187.150+/-324.593 χ^2/NDF:11.8/14

+ sign -1527.038+/-271.675 χ^2/NDF: 56.5/31

All: -993.022+/-190.416 χ^2/NDF: 91.1/65

- sign -477.369+/-266.964 χ^2/NDF: 27.0/33

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1130.332+/-0.229 χ^2/NDF:649579.2/15

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

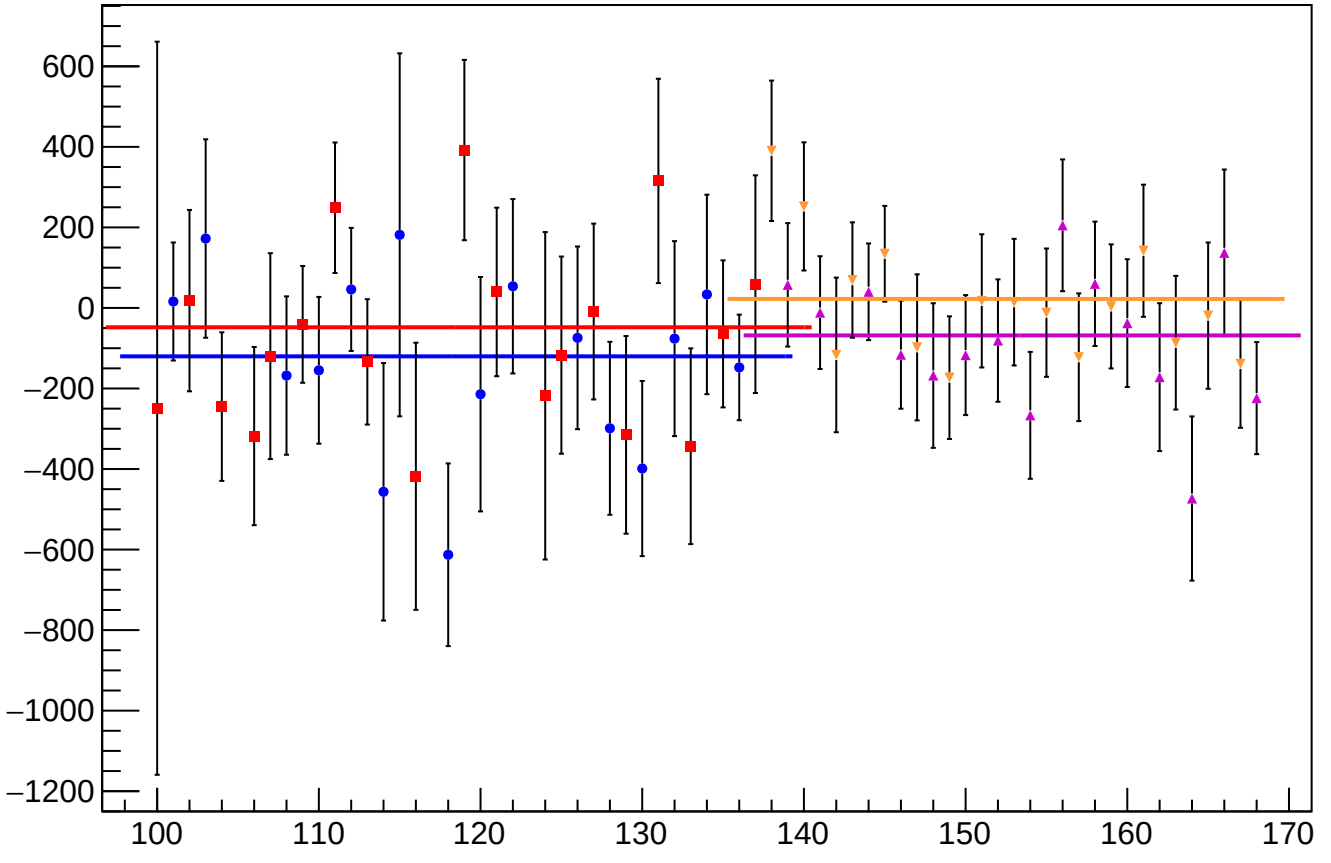
Left In: 1128.430+/-0.230 χ^2/NDF:493512.3/14

+ sign 1175.937+/-0.192 χ^2/NDF: 1955611.6/31

All: 1165.570+/-0.135 χ^2/NDF: 3898662.8/65

- sign 1155.559+/-0.189 χ^2/NDF: 1937326.8/33

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 22.392+/-39.708 χ^2/NDF:13.1/15

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

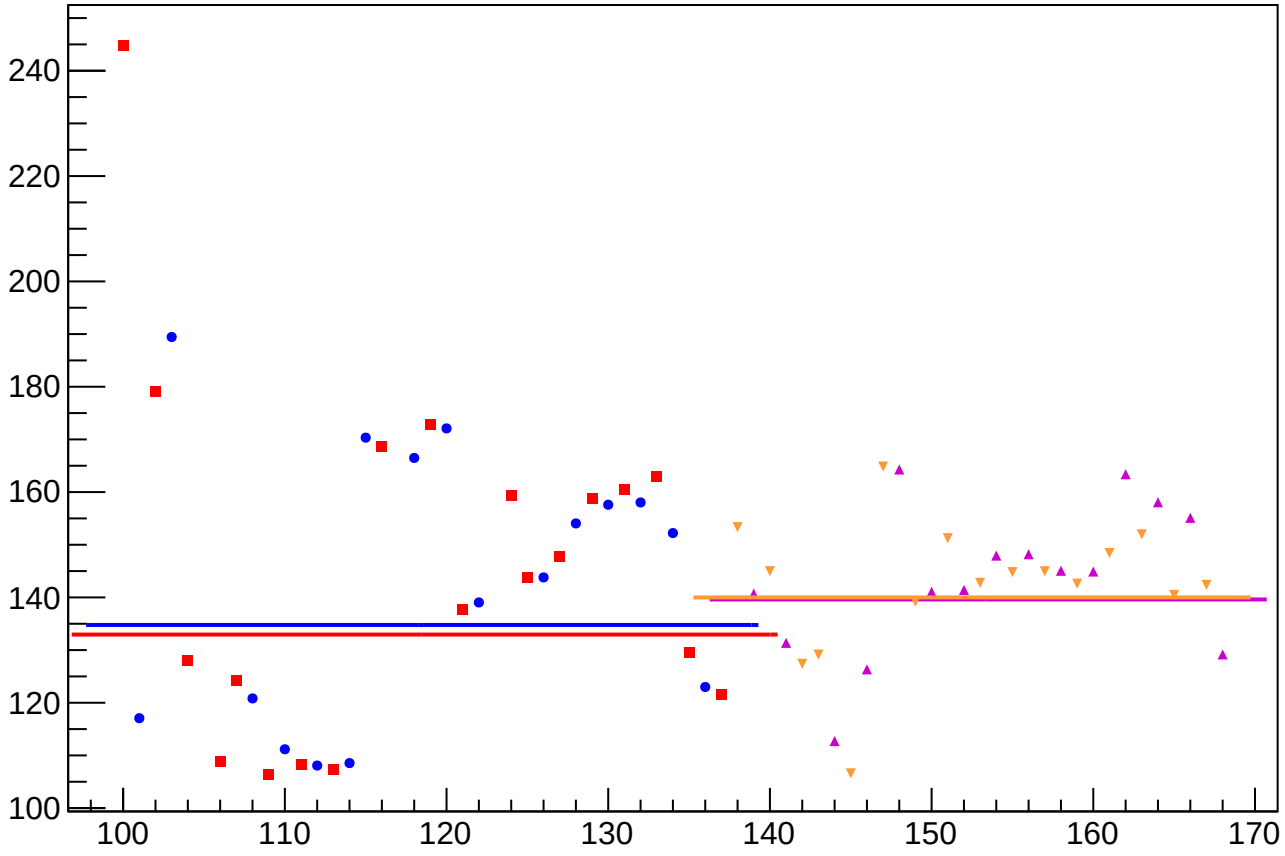
Left In: -68.203+/-39.972 χ^2/NDF:13.8/14

+ sign -31.276+/-31.355 χ^2/NDF: 31.3/31

All: -45.867+/-22.117 χ^2/NDF: 62.6/65

- sign -60.315+/-31.202 χ^2/NDF: 30.9/33

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.997+/-0.028 χ^2/NDF:259614.3/15

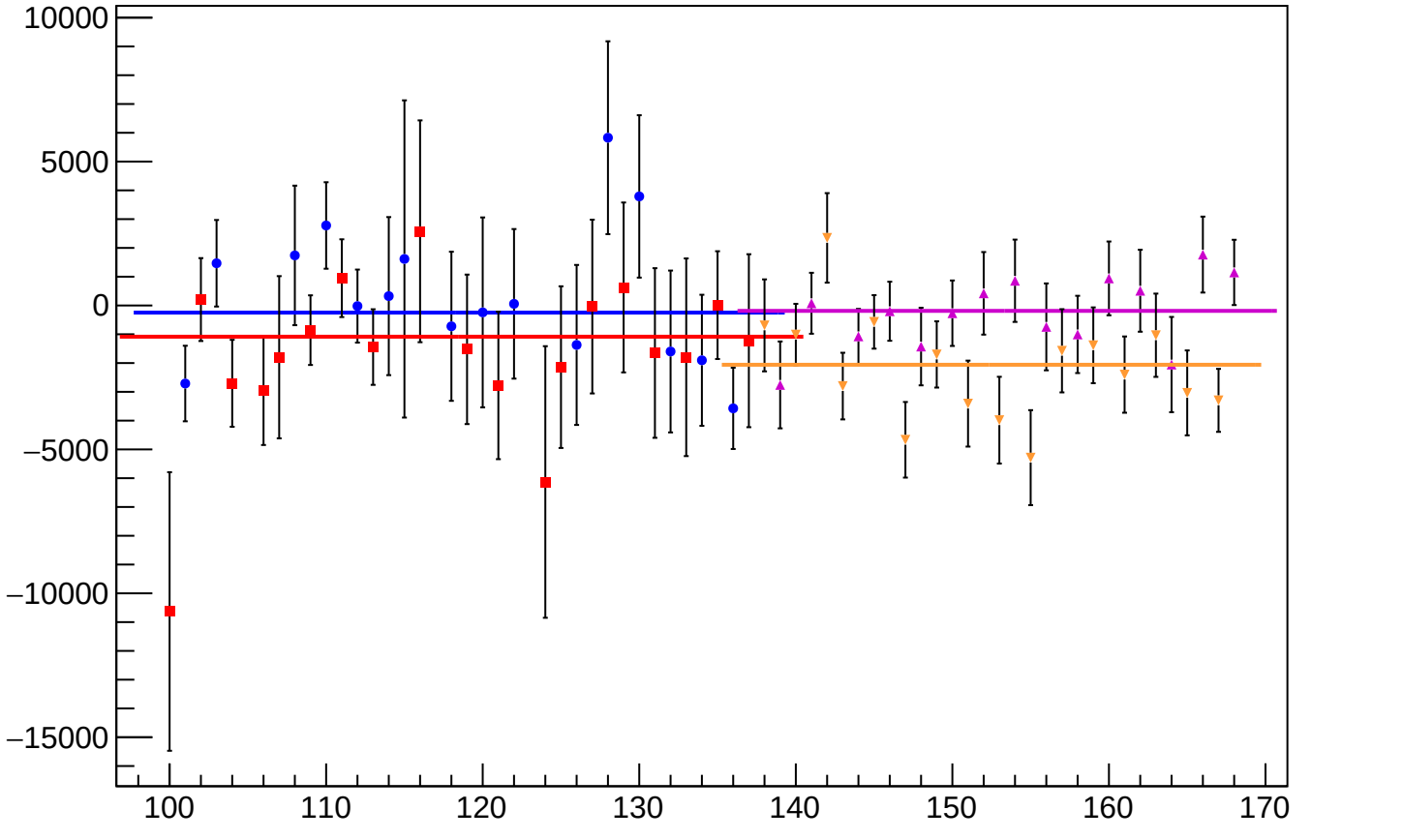
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.613+/-0.028 χ^2/NDF:253473.6/14

+ sign 138.029+/-0.022 χ^2/NDF: 689435.2/31

All: 137.516+/-0.016 χ^2/NDF: 1464553.4/65

- sign 137.008+/-0.022 χ^2/NDF: 774052.7/33



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -2059.198+/-323.231 χ^2/NDF:25.7/15

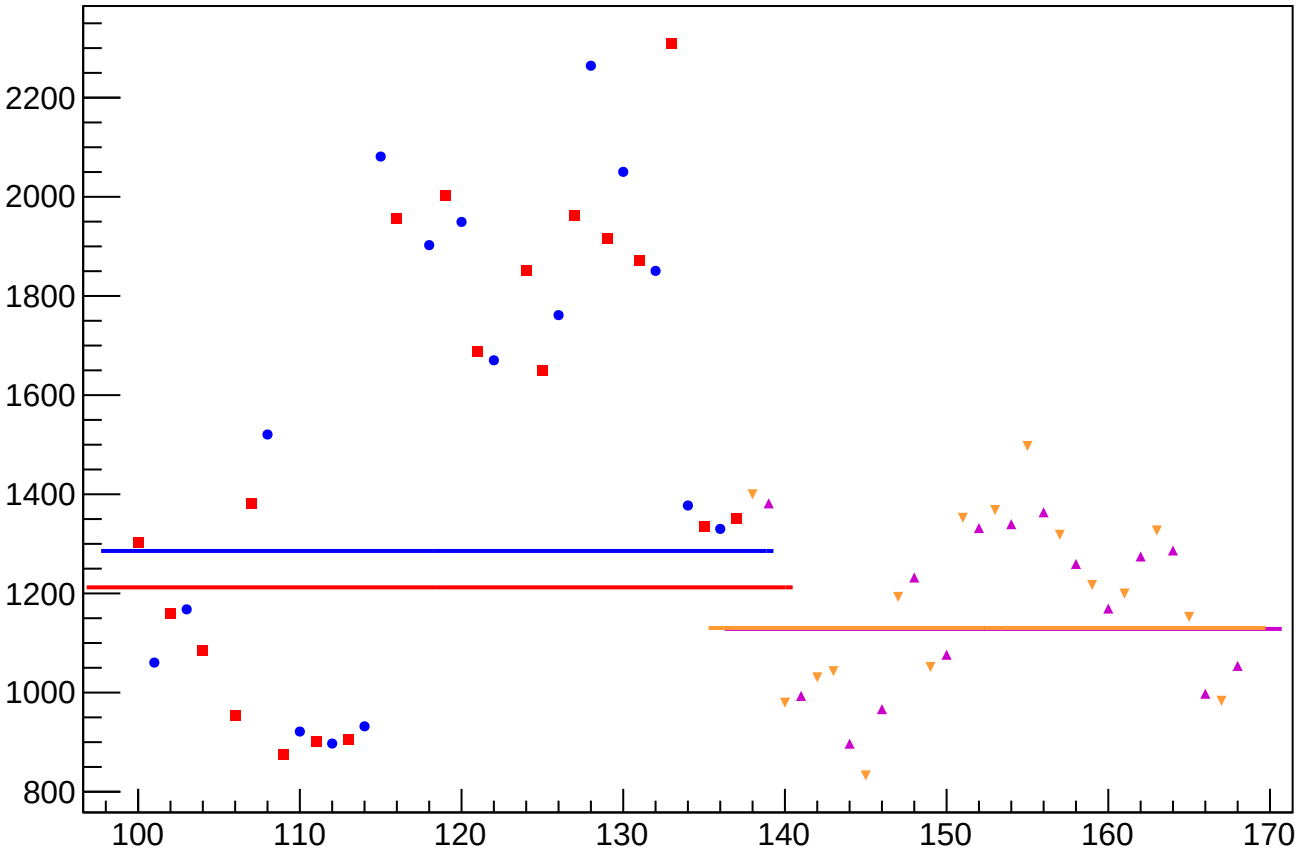
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -187.150+/-324.593 χ^2/NDF:11.8/14

+ sign -1527.038+/-271.675 χ^2/NDF: 56.5/31

All: -993.022+/-190.416 χ^2/NDF: 91.1/65

- sign -477.369+/-266.964 χ^2/NDF: 27.0/33



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1130.332+/-0.229 χ^2/NDF:649579.2/15

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

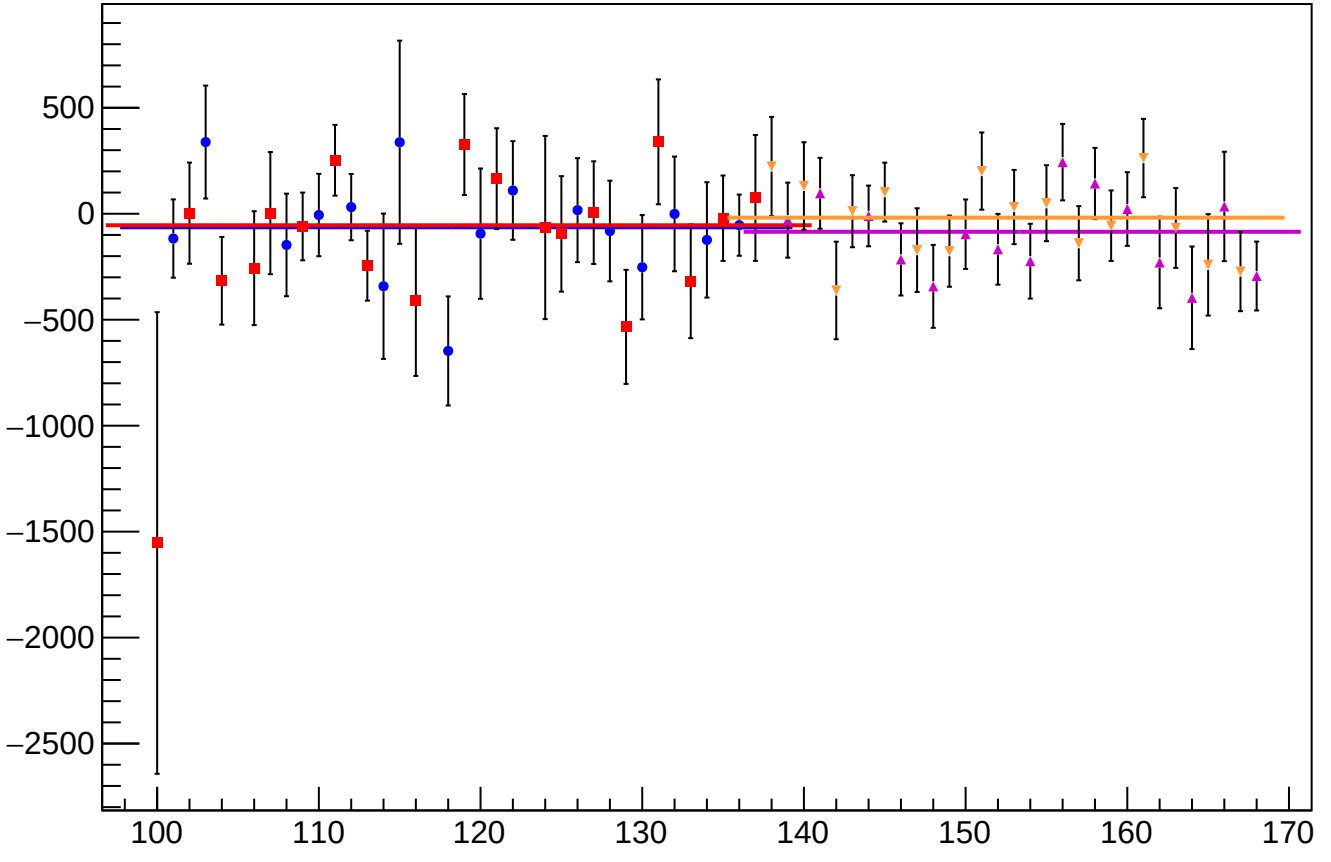
Left In: 1128.430+/-0.230 χ^2/NDF:493512.3/14

+ sign 1175.937+/-0.192 χ^2/NDF: 1955611.6/31

All: 1165.570+/-0.135 χ^2/NDF: 3898662.8/65

- sign 1155.559+/-0.189 χ^2/NDF: 1937326.8/33

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: -18.506+/-45.922 χ^2/NDF:13.4/15

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

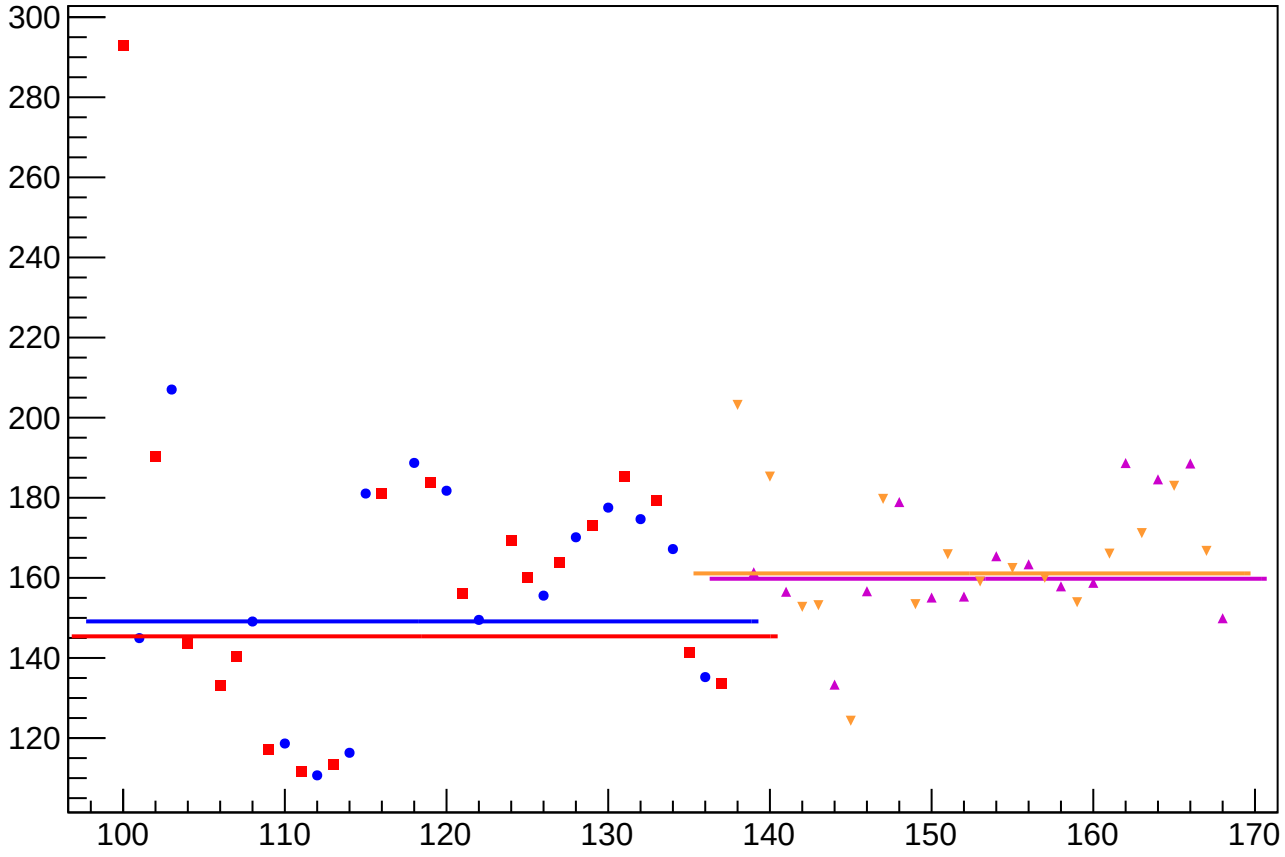
Left In: -85.059+/-45.991 χ^2/NDF:14.2/14

+ sign -36.428+/-35.694 χ^2/NDF: 24.6/31

All: -54.624+/-25.068 χ^2/NDF: 59.0/65

- sign -72.334+/-35.213 χ^2/NDF: 33.9/33

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 161.111+/-0.032 χ^2/NDF:292177.4/15

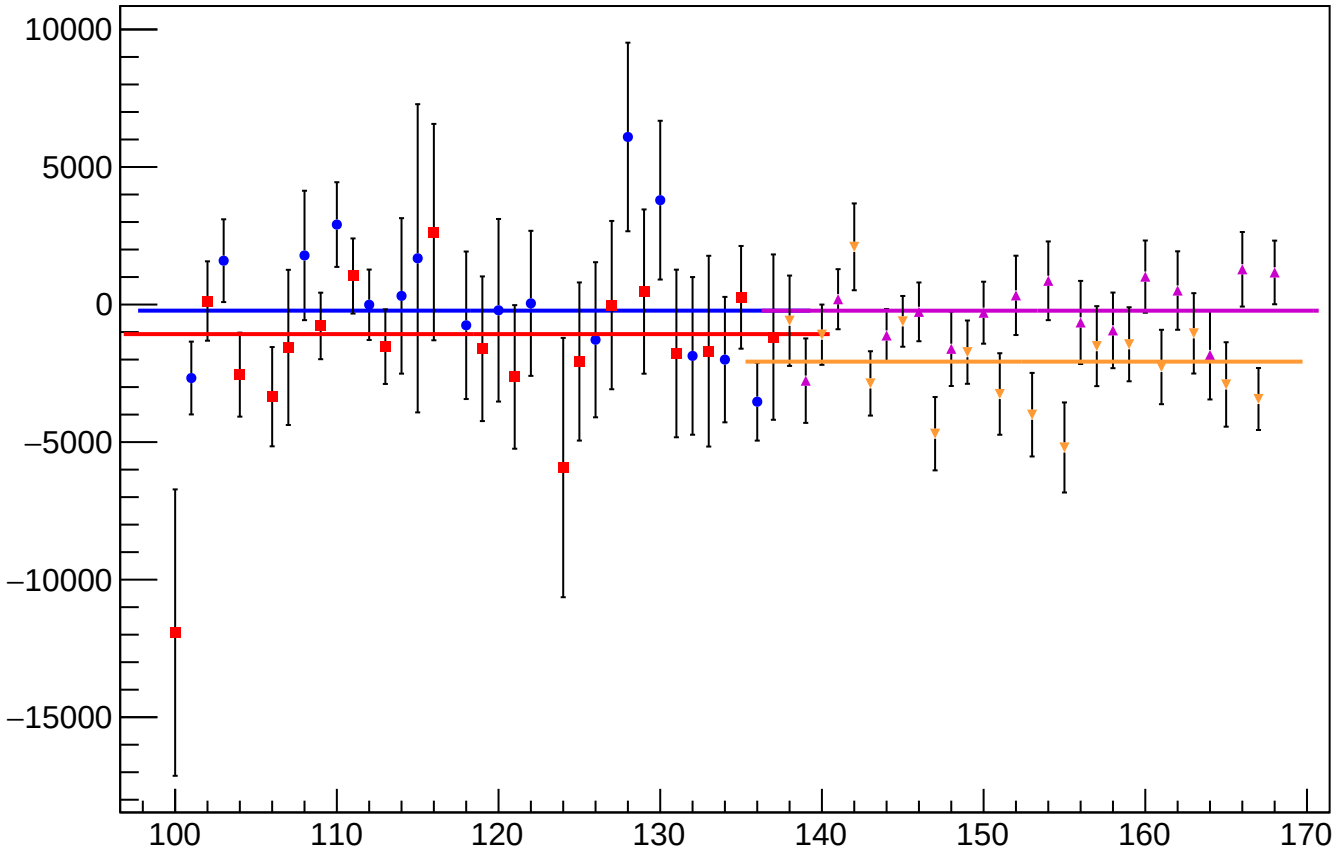
Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 159.779+/-0.033 χ^2/NDF:184087.1/14

+ sign 156.368+/-0.025 χ^2/NDF: 797064.2/31

All: 155.081+/-0.018 χ^2/NDF: 1593001.1/65

- sign 153.829+/-0.025 χ^2/NDF: 790806.3/33



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -2074.669+/-327.110 χ^2/NDF:24.0/15

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

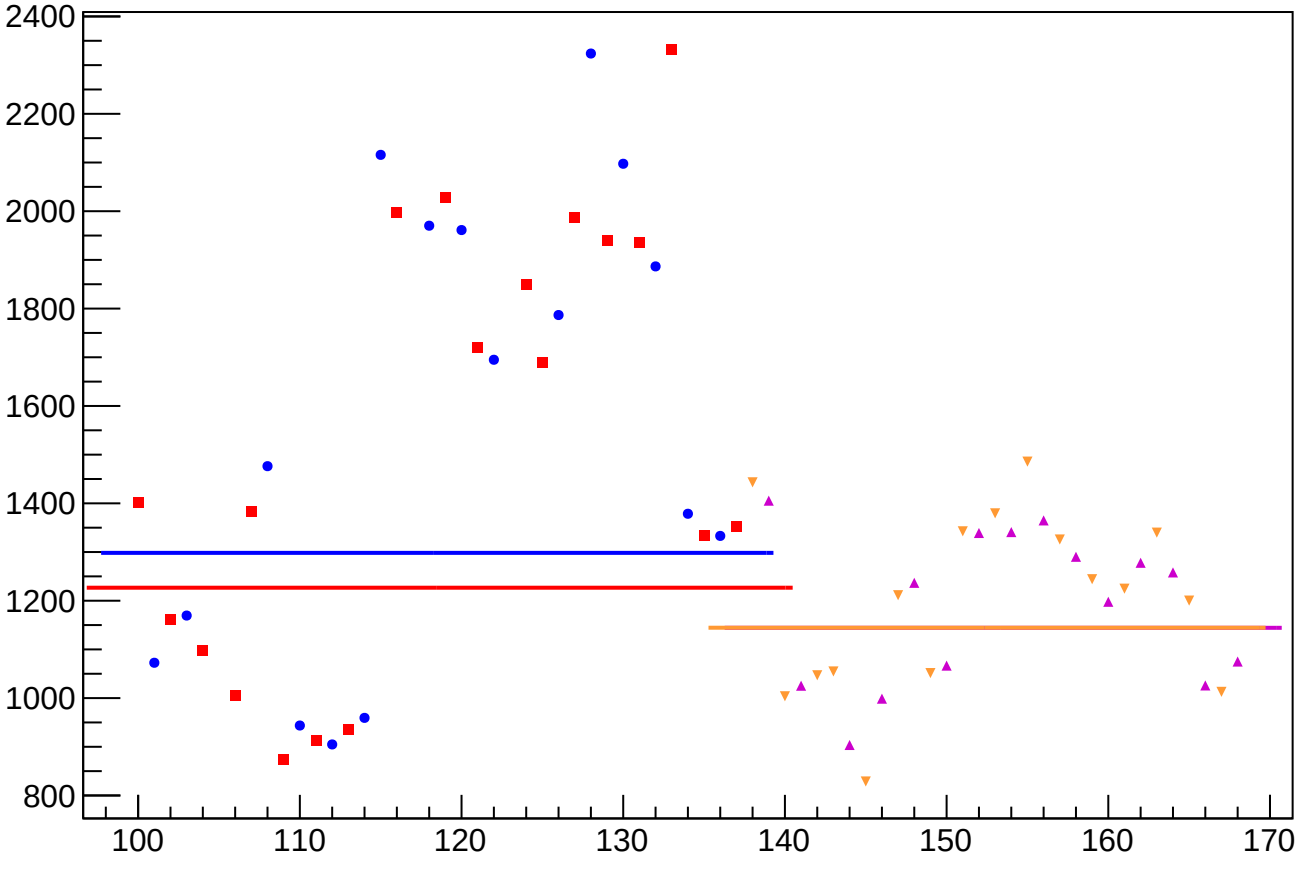
Left In: -222.992+/-328.998 χ^2/NDF:10.7/14

+ sign -1528.699+/-274.739 χ^2/NDF: 55.4/31

All: -1005.887+/-192.592 χ^2/NDF: 89.0/65

- sign -500.753+/-270.054 χ^2/NDF: 26.5/33

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1144.556+/-0.231 χ^2/NDF:656270.1/15

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

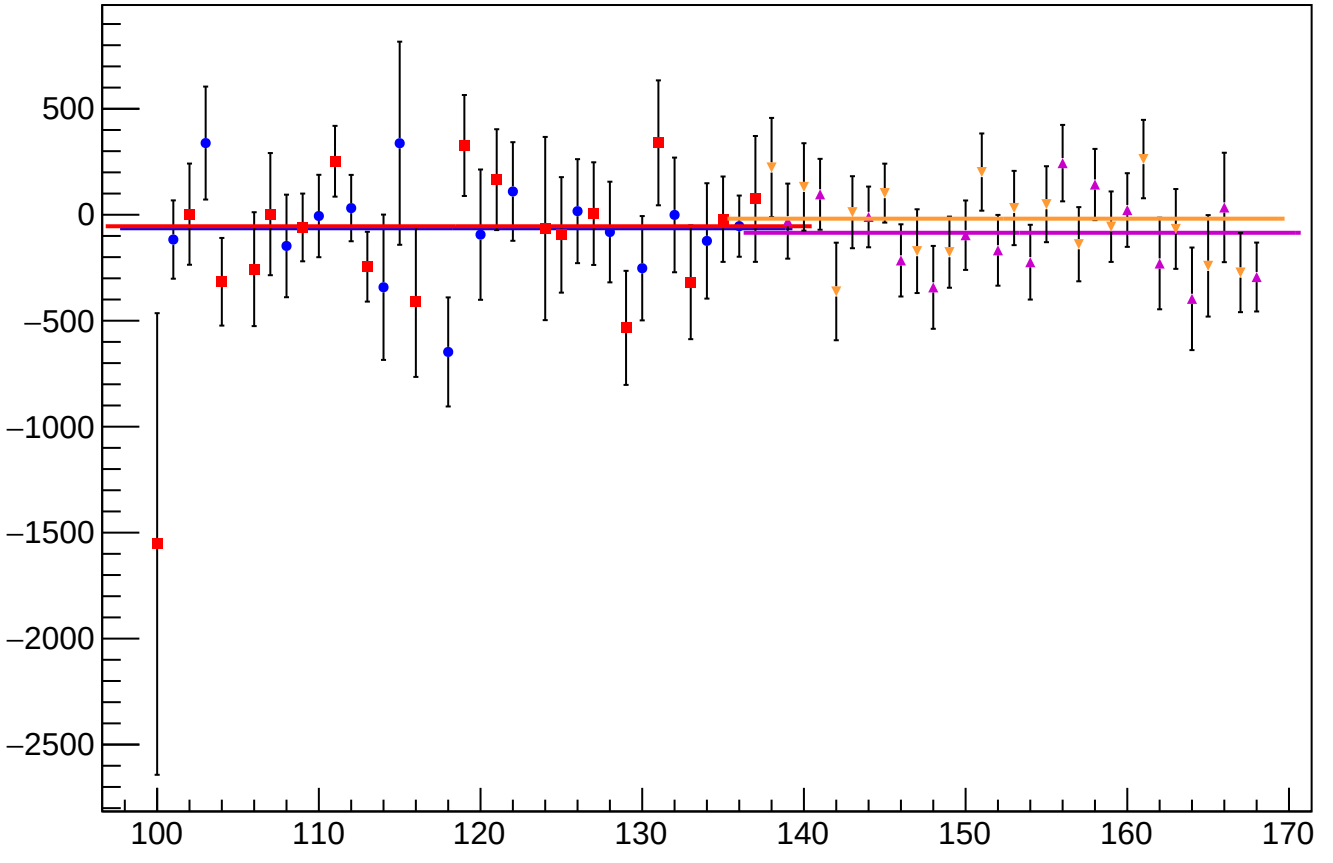
Left In: 1144.357+/-0.233 χ^2/NDF:455541.8/14

+ sign 1189.843+/-0.194 χ^2/NDF: 1968527.7/31

All: 1180.376+/-0.136 χ^2/NDF: 3874159.0/65

- sign 1171.229+/-0.191 χ^2/NDF: 1900962.2/33

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: -18.503+/-45.922 χ^2/NDF:13.4/15

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

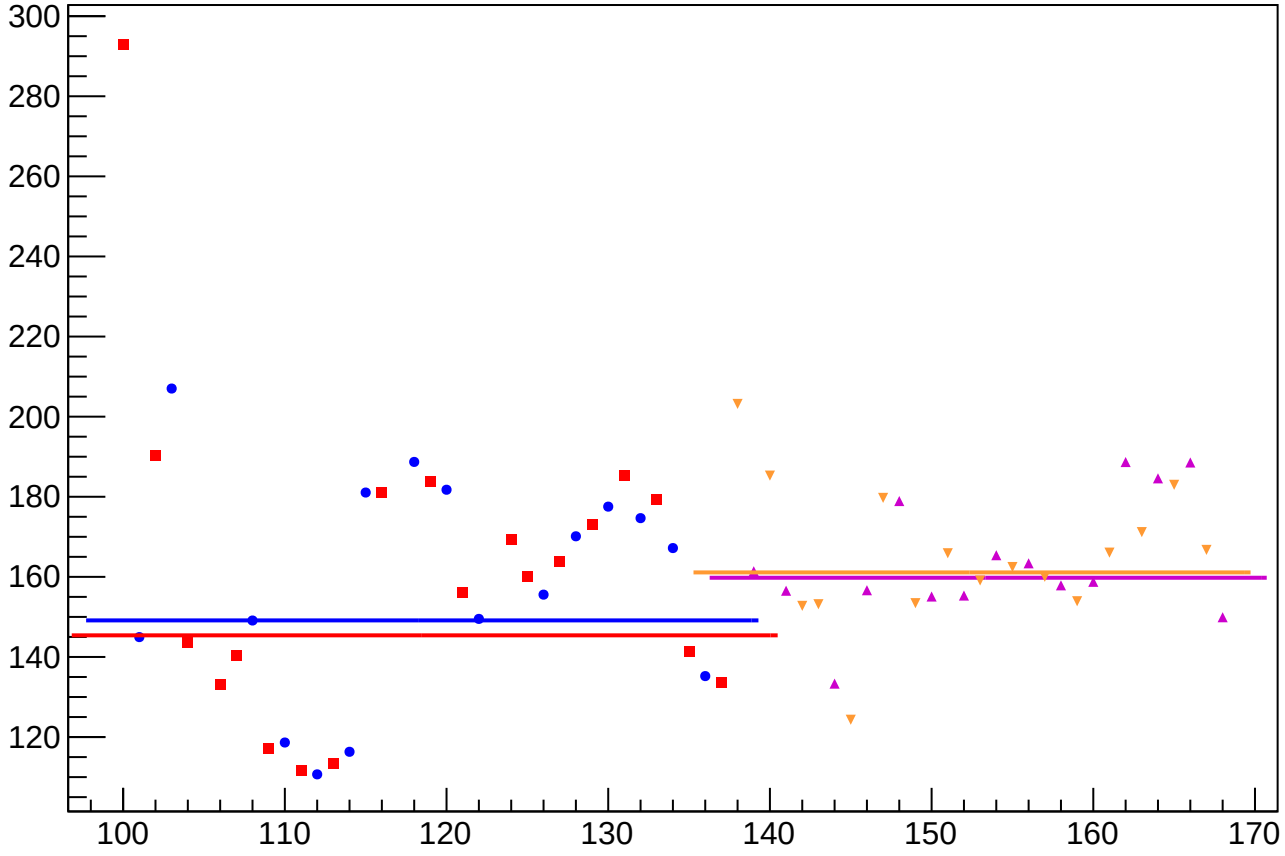
Left In: -85.059+/-45.991 χ^2/NDF:14.2/14

+ sign -36.425+/-35.694 χ^2/NDF: 24.6/31

All: -54.623+/-25.068 χ^2/NDF: 59.0/65

- sign -72.334+/-35.213 χ^2/NDF: 33.9/33

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 161.111+/-0.032 χ^2/NDF:292171.6/15

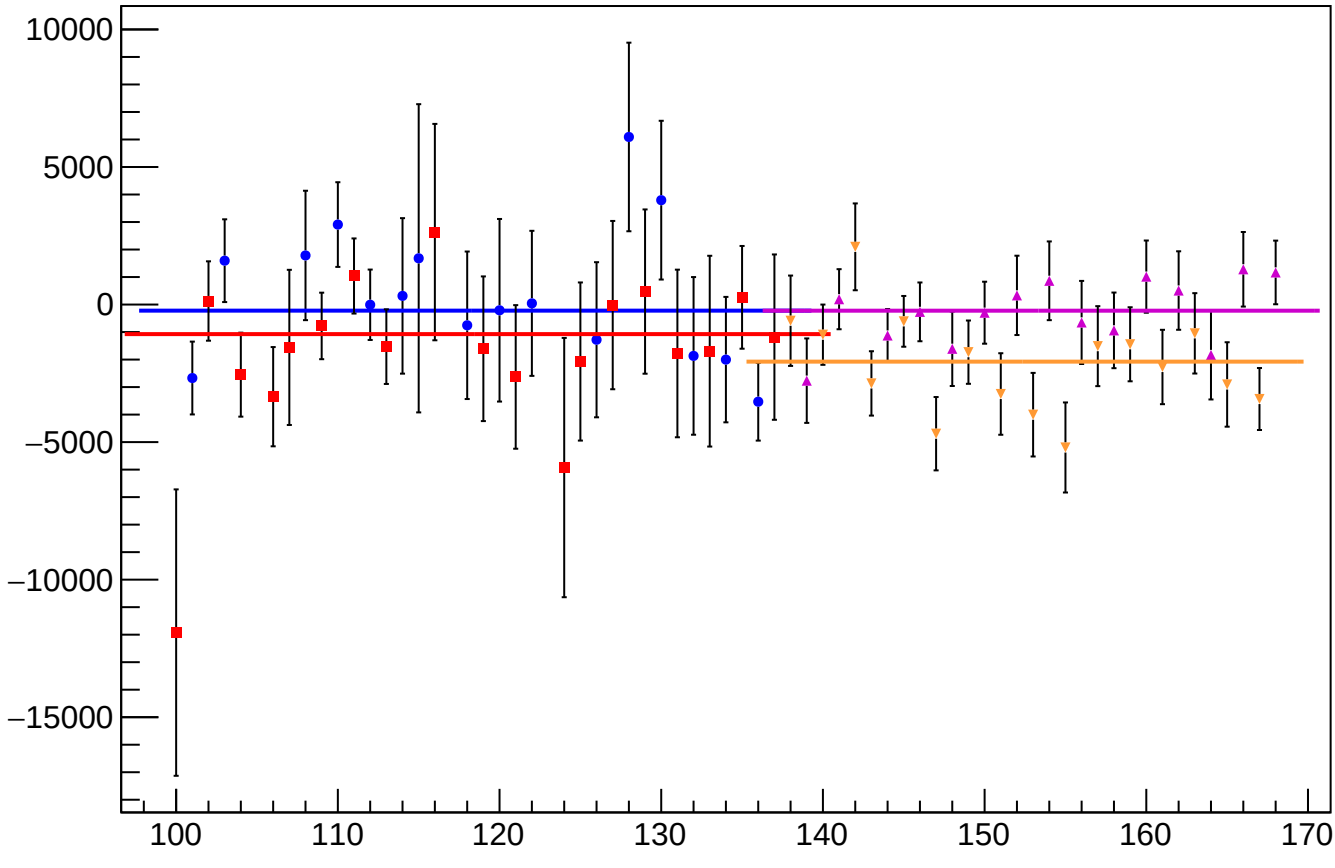
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 159.779+/-0.033 χ^2/NDF:184086.0/14

+ sign 156.369+/-0.025 χ^2/NDF: 797063.2/31

All: 155.082+/-0.018 χ^2/NDF: 1593005.1/65

- sign 153.829+/-0.025 χ^2/NDF: 790811.1/33



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -2074.664+/-327.109 χ^2/NDF:24.0/15

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

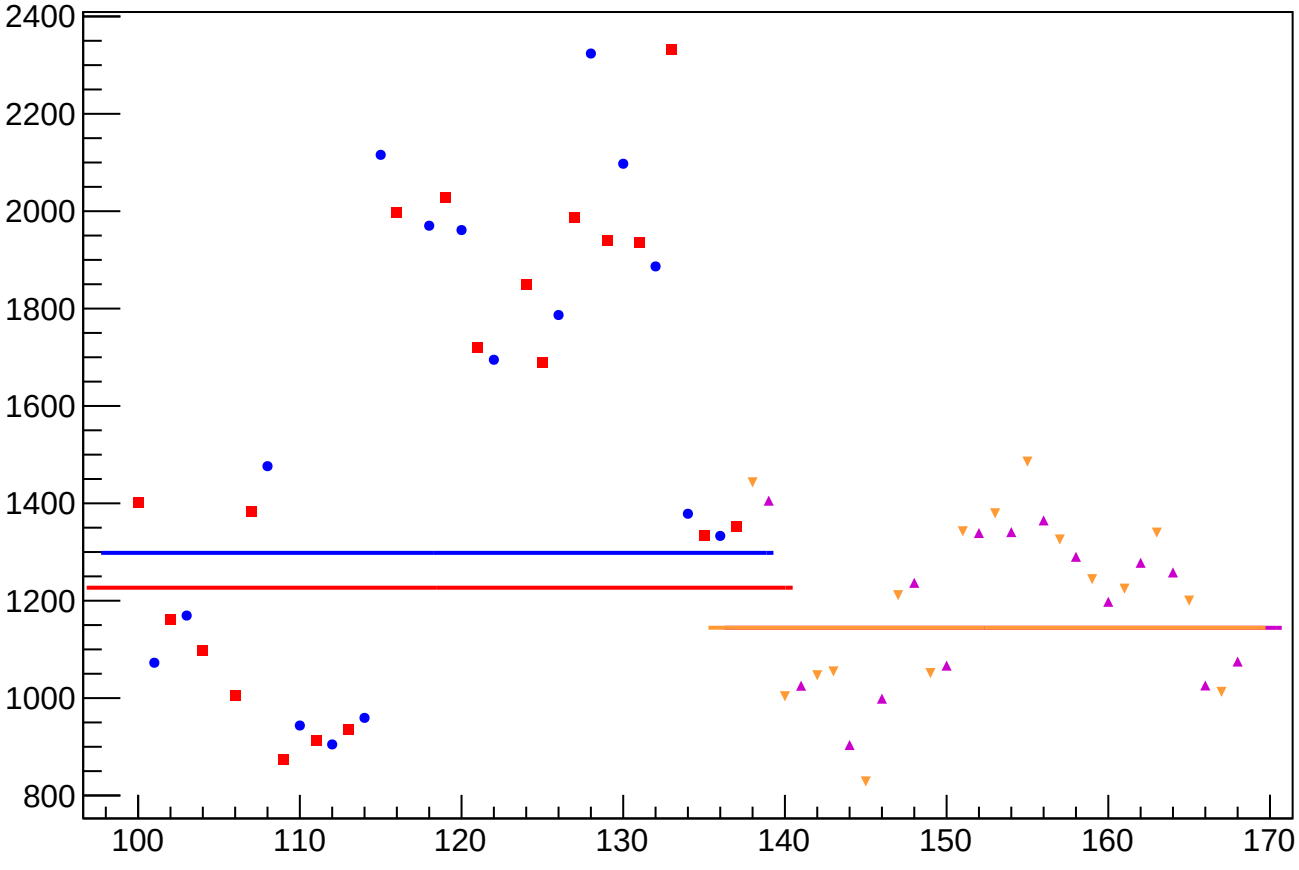
Left In: -222.991+/-328.997 χ^2/NDF:10.7/14

+ sign -1528.696+/-274.738 χ^2/NDF: 55.4/31

All: -1005.885+/-192.592 χ^2/NDF: 89.0/65

- sign -500.751+/-270.054 χ^2/NDF: 26.5/33

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1144.554+/-0.231 χ^2/NDF:656274.3/15

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

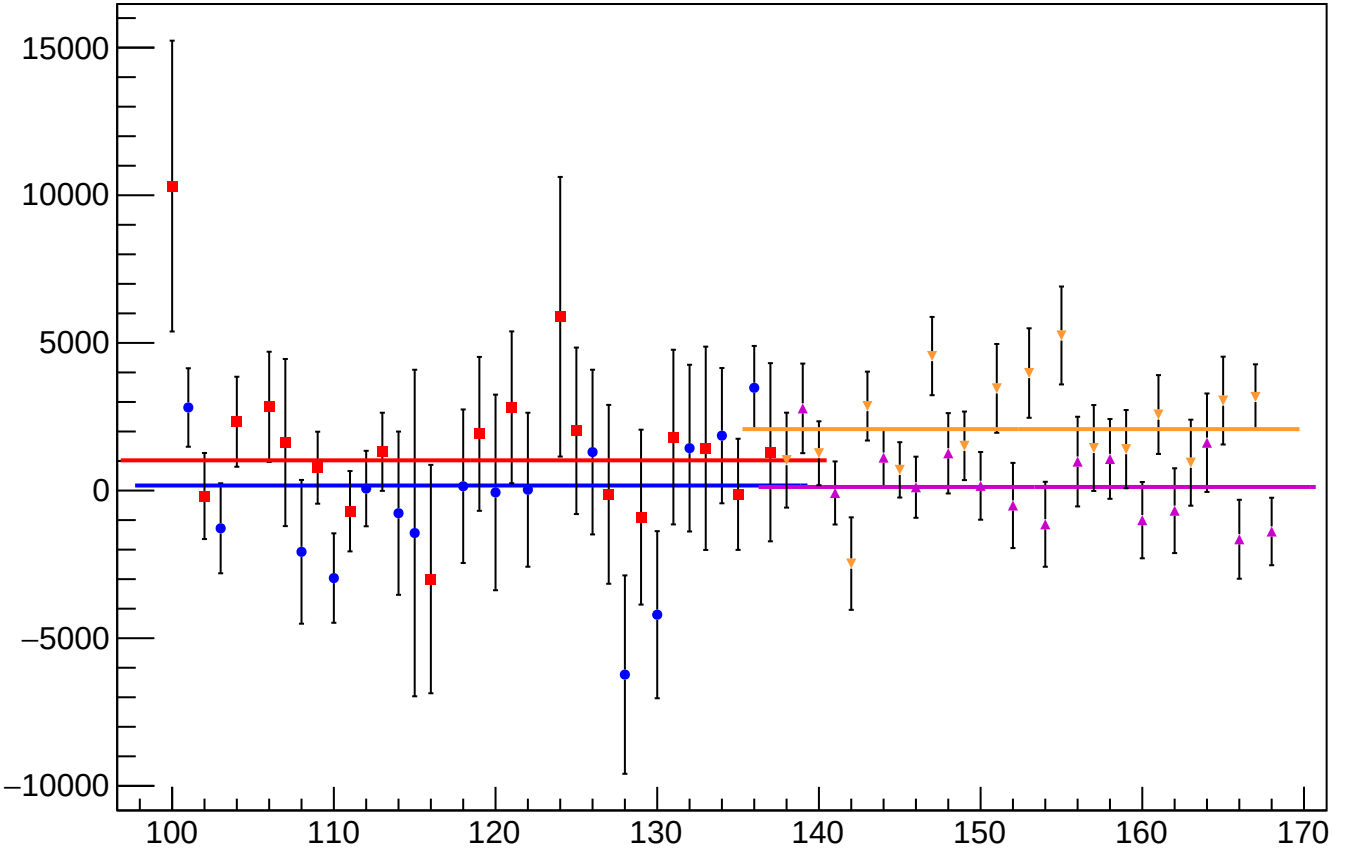
Left In: 1144.356+/-0.233 χ^2/NDF:455541.8/14

+ sign 1189.841+/-0.194 χ^2/NDF: 1968536.9/31

All: 1180.374+/-0.136 χ^2/NDF: 3874171.5/65

- sign 1171.227+/-0.191 χ^2/NDF: 1900965.5/33

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 2080.746+/-325.852 χ^2/NDF:24.4/15

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

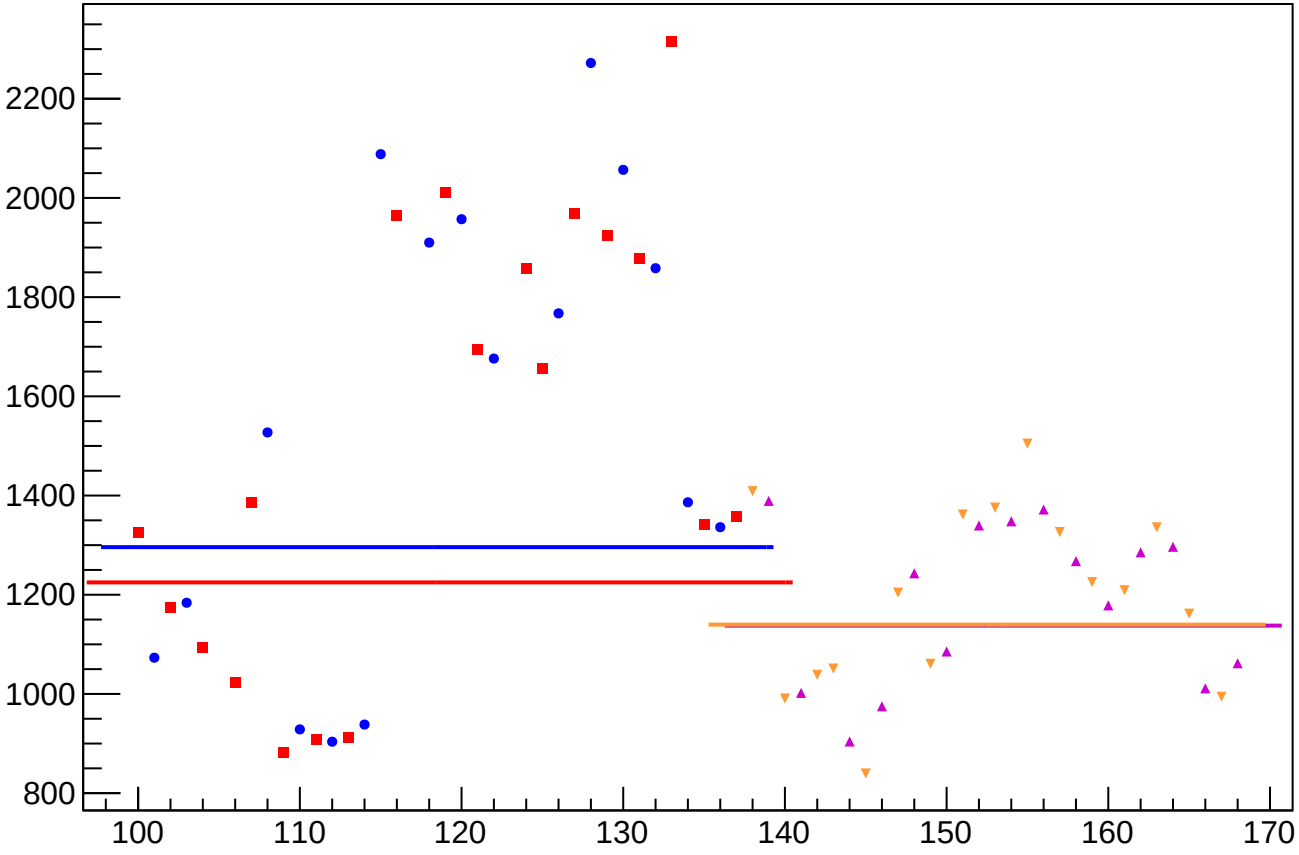
Left In: 121.843+/-327.212 χ^2/NDF:12.0/14

+ sign 1519.587+/-273.823 χ^2/NDF: 57.1/31

All: 957.086+/-191.863 χ^2/NDF: 91.5/65

- sign 414.572+/-268.914 χ^2/NDF: 26.1/33

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1139.781+/-0.230 χ^2/NDF:639811.7/15

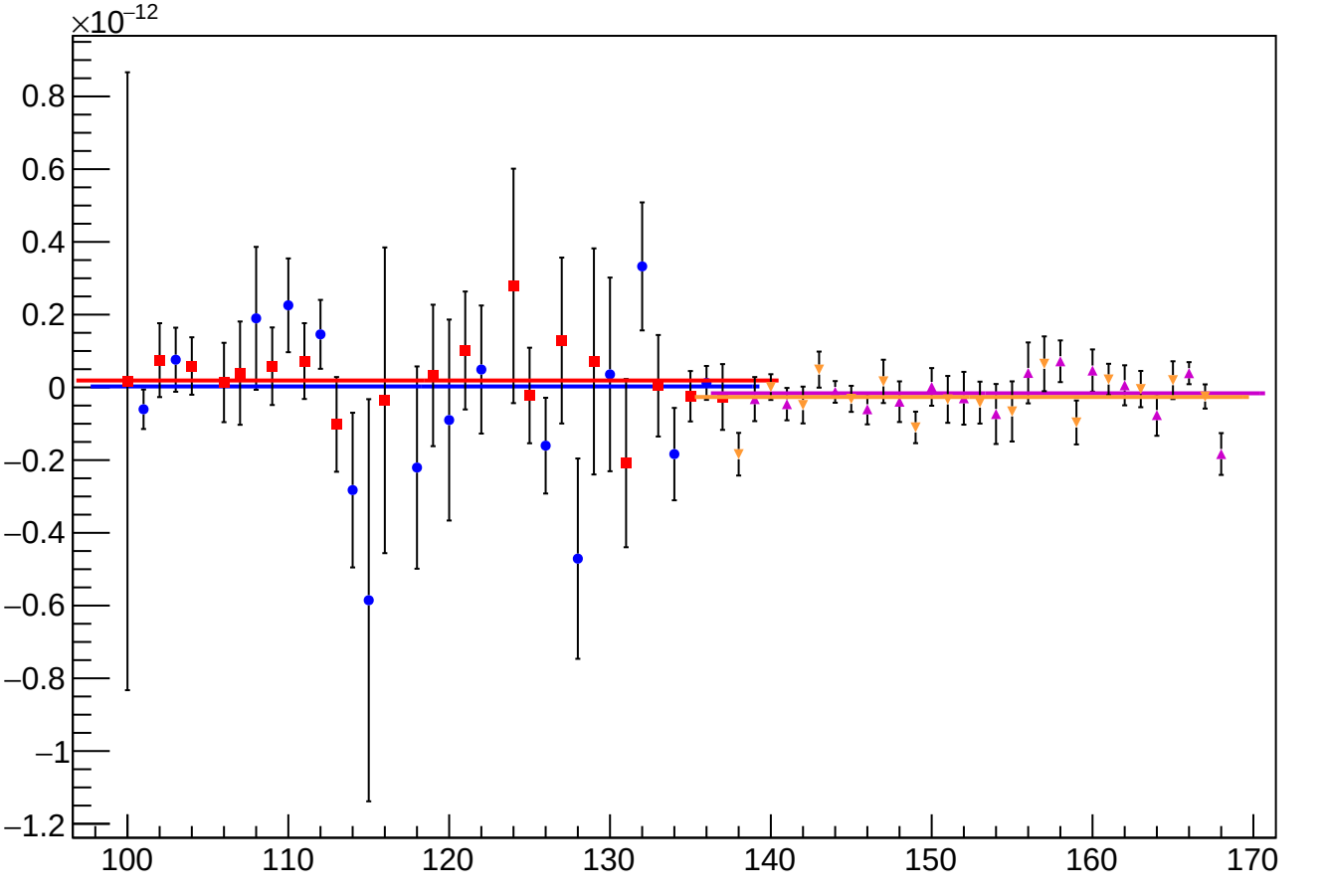
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1137.738+/-0.231 χ^2/NDF:486611.1/14

+ sign 1185.682+/-0.194 χ^2/NDF: 1929052.3/31

All: 1175.673+/-0.136 χ^2/NDF: 3838230.4/65

- sign 1166.021+/-0.190 χ^2/NDF: 1903929.4/33



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.9/15

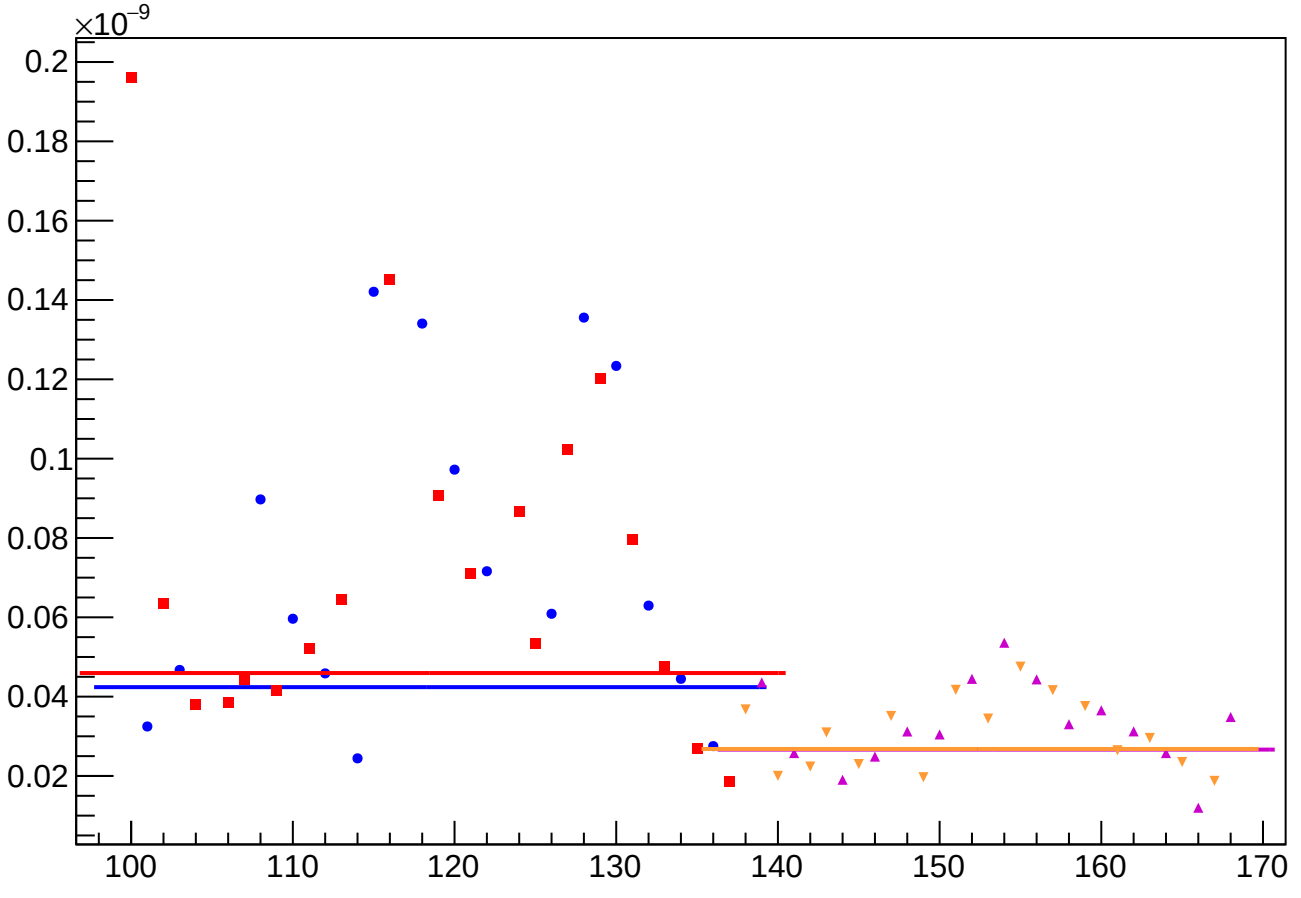
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:19.4/14

+ sign -0.000+/-0.000 χ^2/NDF: 43.0/31

All: -0.000+/-0.000 χ^2/NDF: 69.0/65

- sign -0.000+/-0.000 χ^2/NDF: 25.4/33



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:817852.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

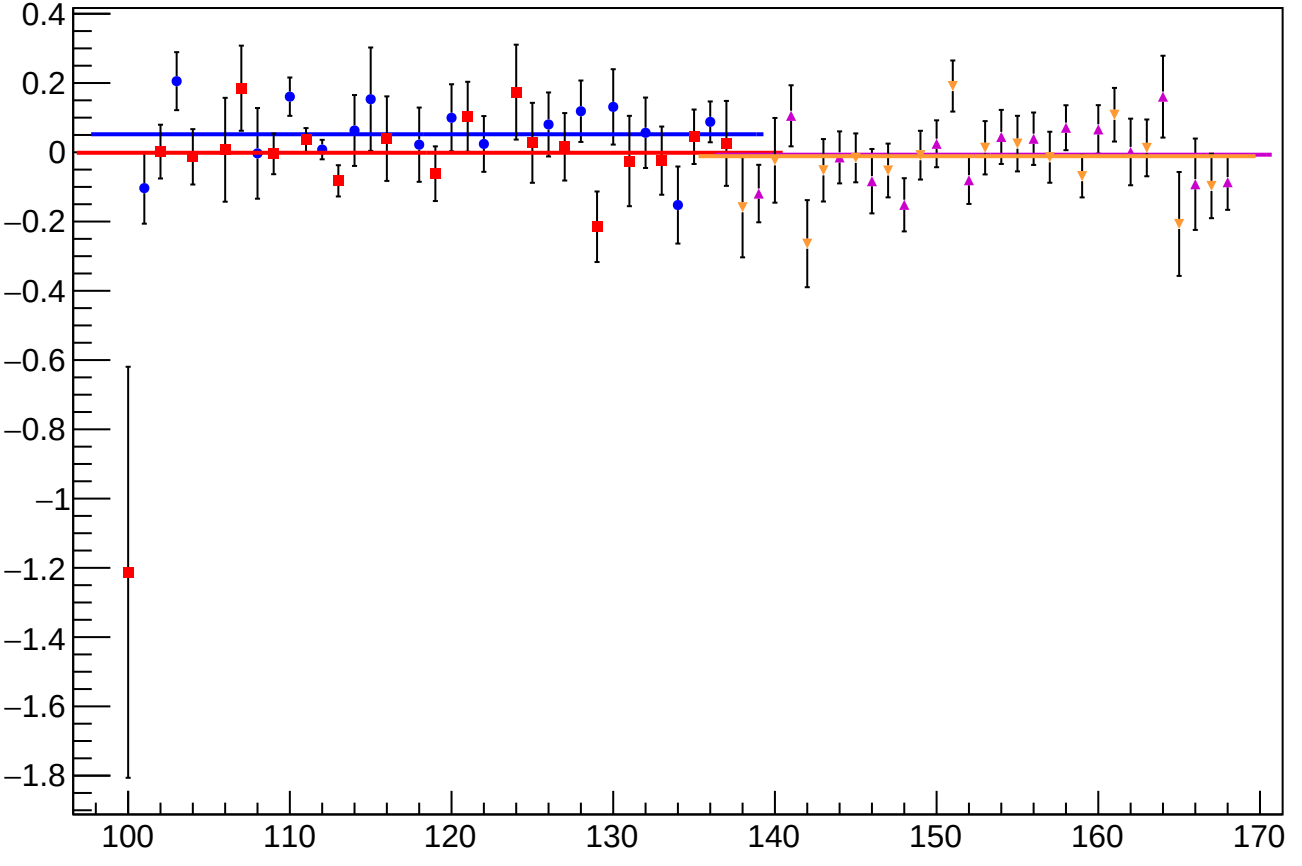
Left In: 0.000+/-0.000 χ^2/NDF:1344685.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 2720143.9/31

All: 0.000+/-0.000 χ^2/NDF: 5934466.1/65

- sign 0.000+/-0.000 χ^2/NDF: 3213626.5/33

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: -0.011+/-0.021 χ^2/NDF:19.3/15

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

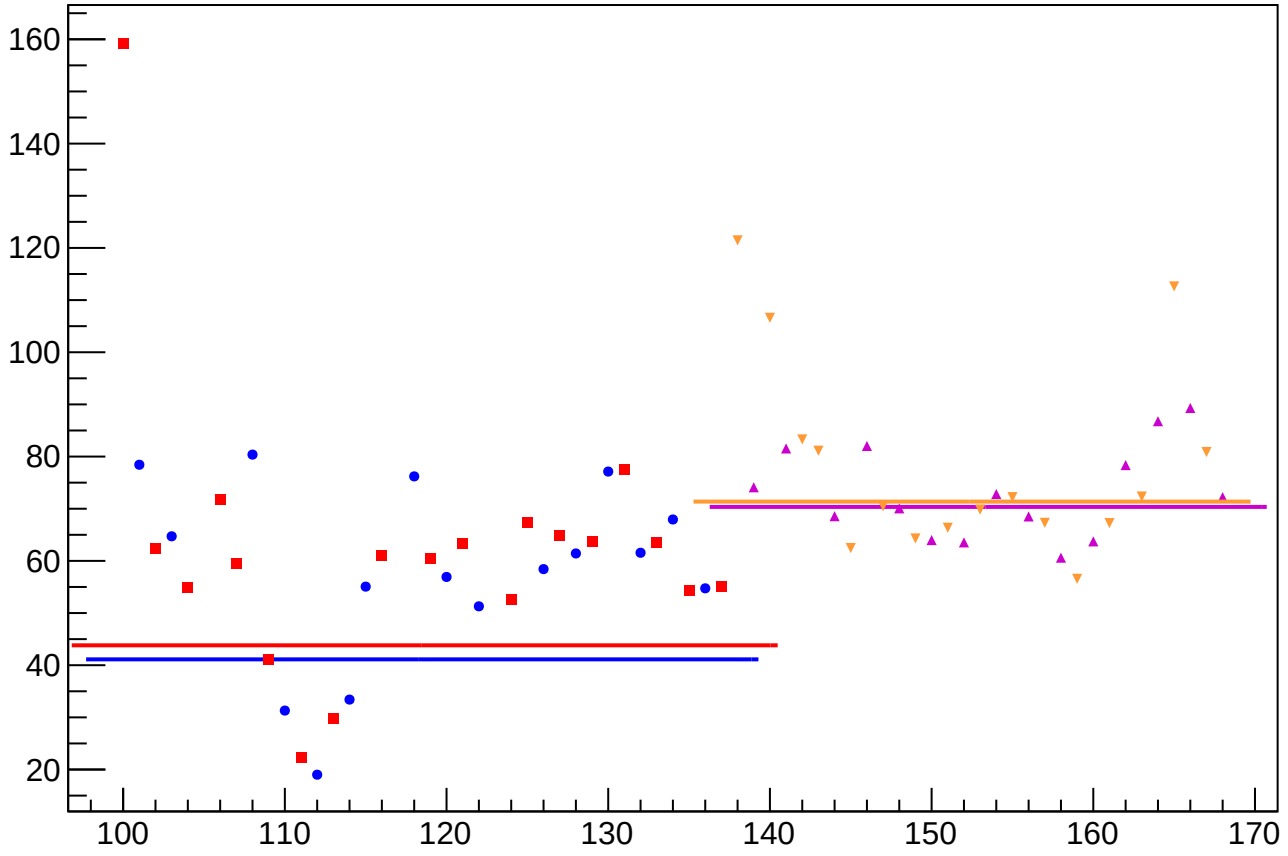
Left In: -0.007+/-0.021 χ^2/NDF:15.8/14

+ sign 0.025+/-0.014 χ^2/NDF: 42.6/31

All: 0.011+/-0.010 χ^2/NDF: 80.1/65

- sign -0.004+/-0.014 χ^2/NDF: 35.1/33

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: 71.368+/-0.015 χ^2/NDF:809842.1/15

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

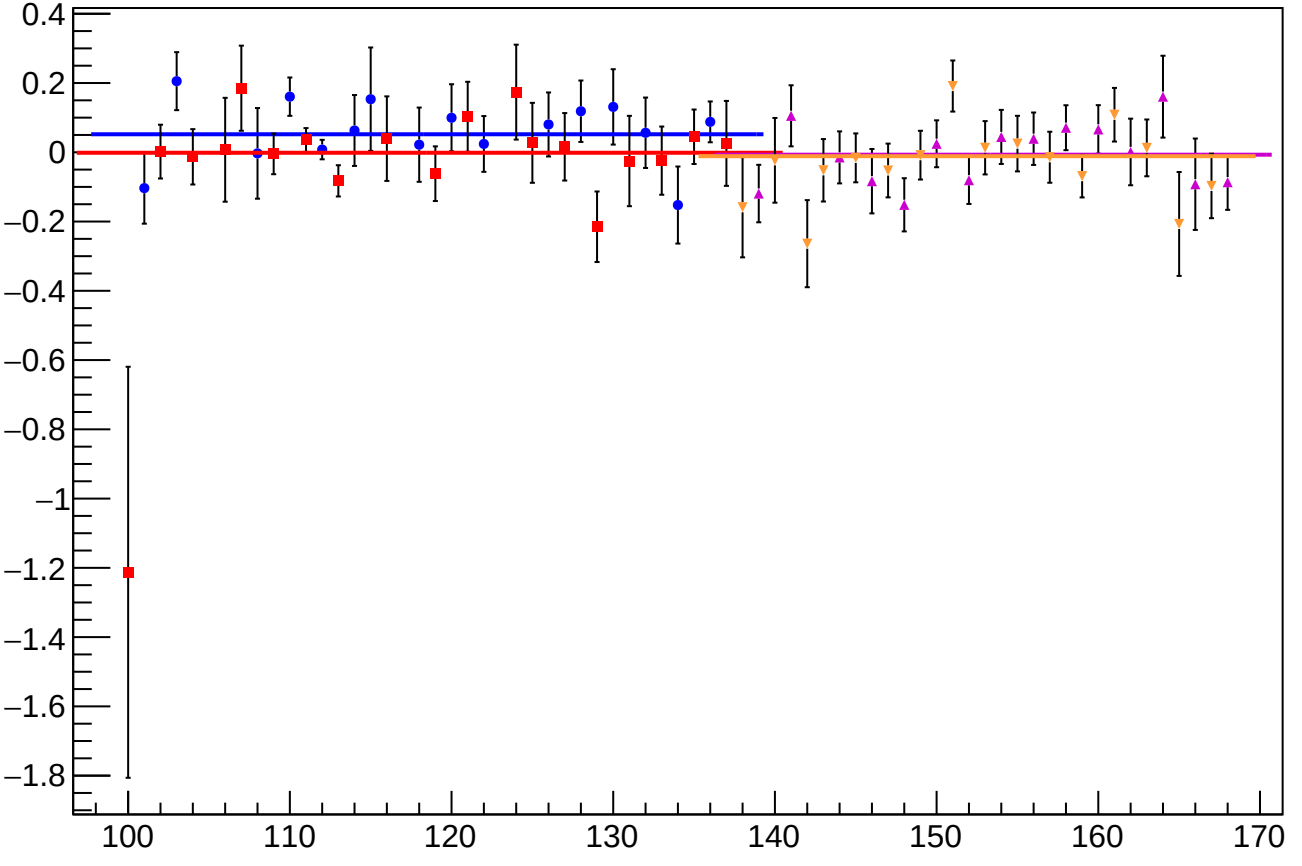
Left In: 70.348+/-0.015 χ^2/NDF:267457.8/14

+ sign 53.854+/-0.010 χ^2/NDF: 6174047.8/31

All: 54.530+/-0.007 χ^2/NDF: 10381461.3/65

- sign 55.208+/-0.010 χ^2/NDF: 4197396.3/33

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.011+/-0.021 χ^2/NDF:19.3/15

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

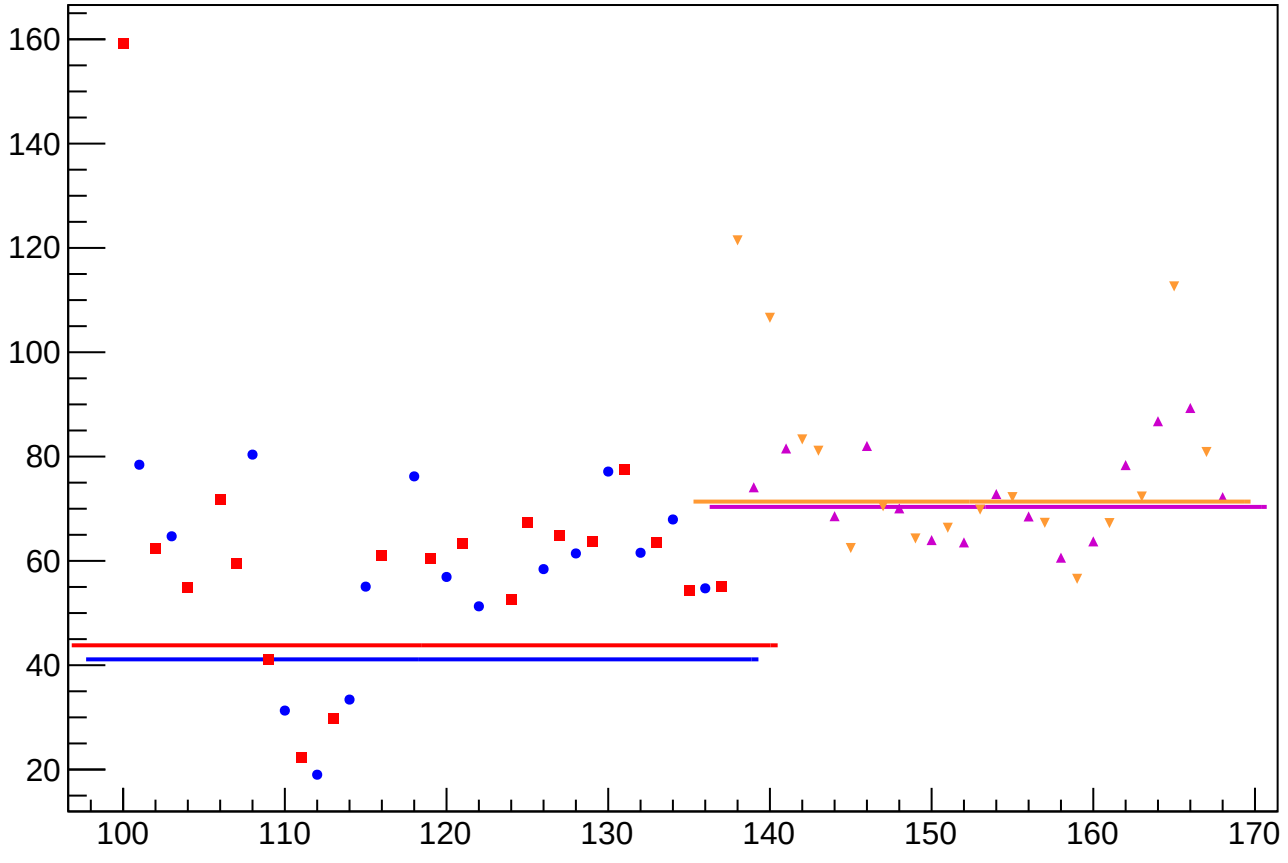
Left In: -0.007+/-0.021 χ^2/NDF:15.8/14

+ sign 0.025+/-0.014 χ^2/NDF: 42.6/31

All: 0.011+/-0.010 χ^2/NDF: 80.1/65

- sign -0.004+/-0.014 χ^2/NDF: 35.1/33

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: 71.368+/-0.015 χ^2/NDF:809842.1/15

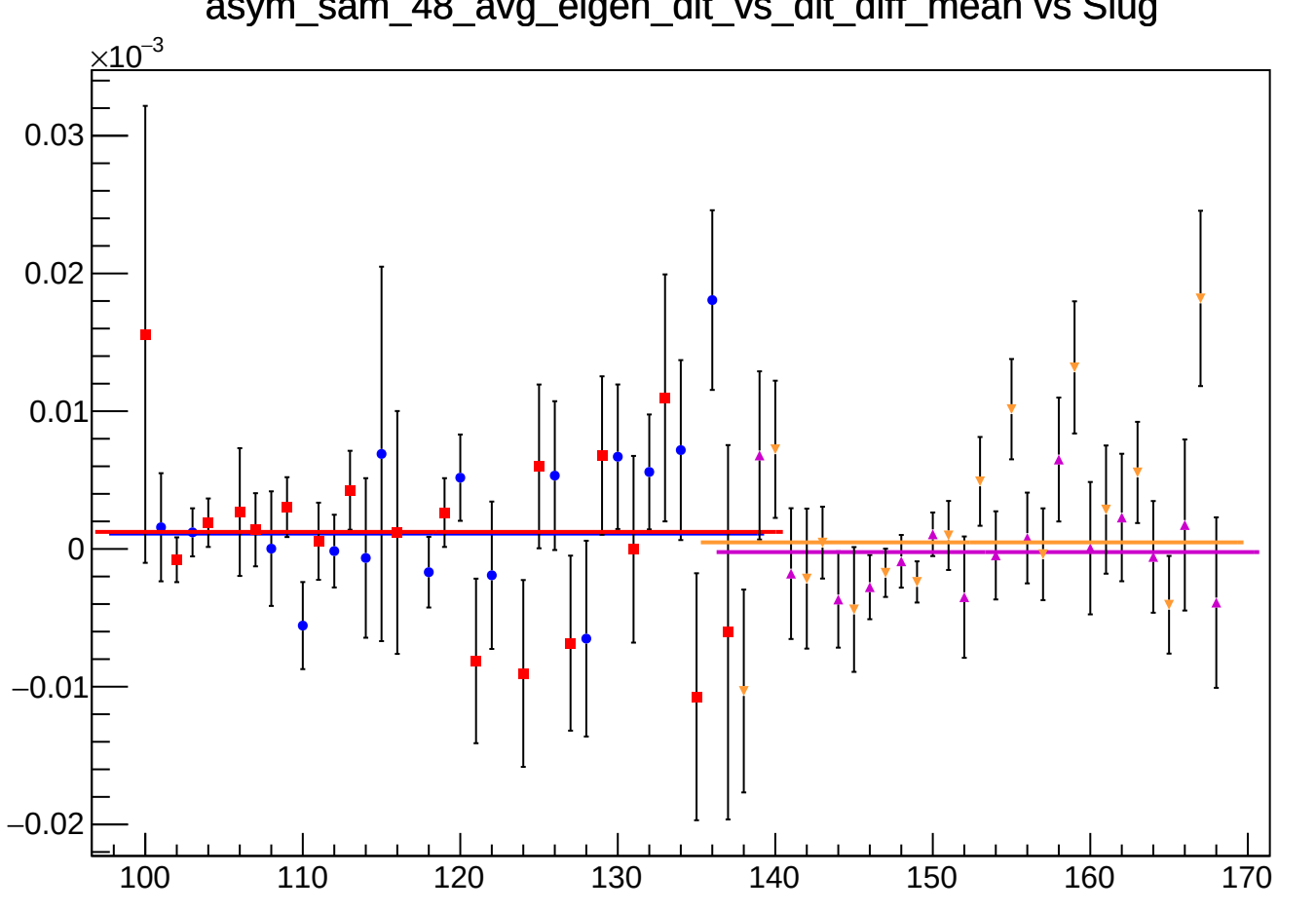
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.348+/-0.015 χ^2/NDF:267457.8/14

+ sign 53.854+/-0.010 χ^2/NDF: 6174047.8/31

All: 54.530+/-0.007 χ^2/NDF: 10381461.3/65

- sign 55.208+/-0.010 χ^2/NDF: 4197396.3/33



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.3/15

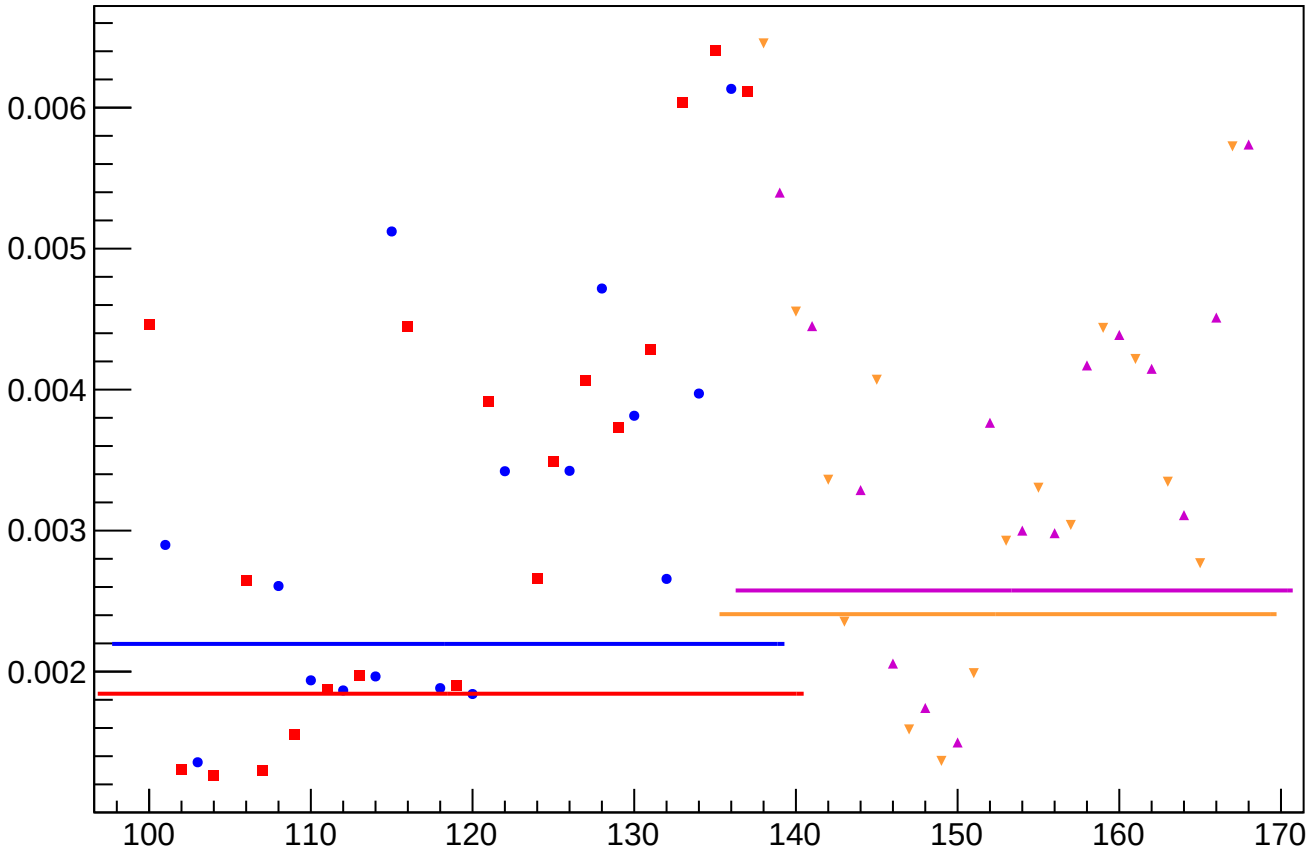
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 58.5/31

All: 0.000+/-0.000 χ^2/NDF: 84.2/65

- sign 0.000+/-0.000 χ^2/NDF: 25.7/33



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4377823.4/15

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

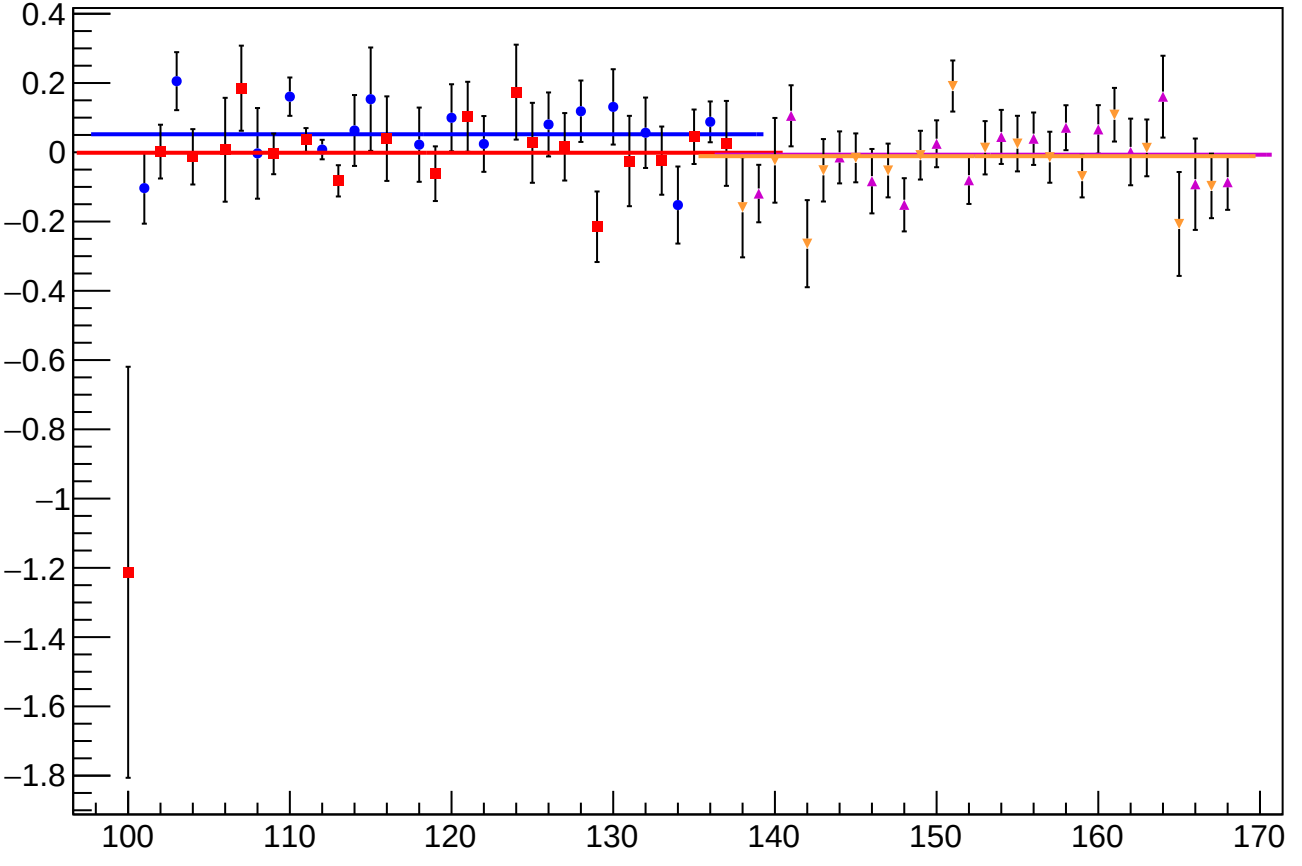
Left In: 0.003+/-0.000 χ^2/NDF:3959127.1/14

+ sign 0.002+/-0.000 χ^2/NDF: 6734568.3/31

All: 0.002+/-0.000 χ^2/NDF: 14747034.2/65

- sign 0.002+/-0.000 χ^2/NDF: 7955589.2/33

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: -0.011+/-0.021 χ^2/NDF:19.3/15

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

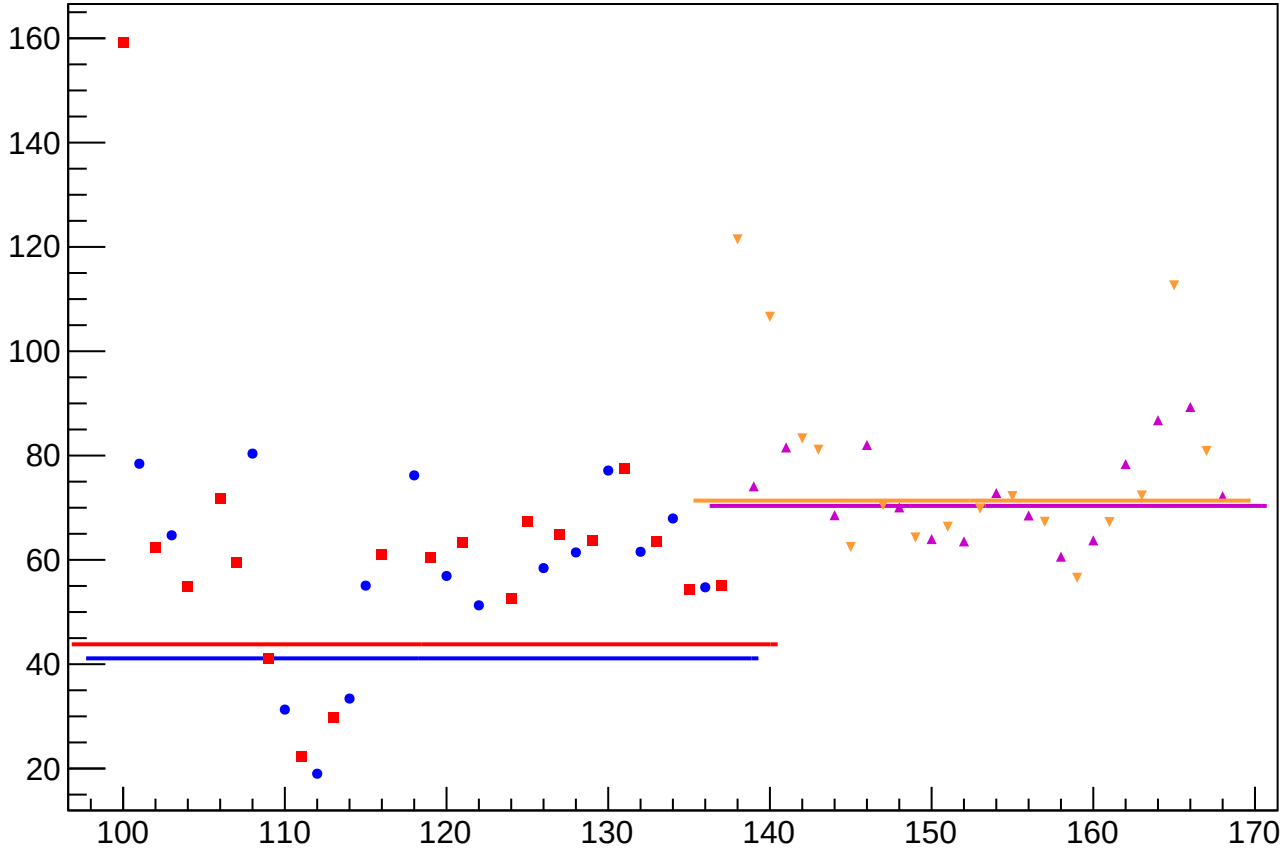
Left In: -0.007+/-0.021 χ^2/NDF:15.8/14

+ sign 0.025+/-0.014 χ^2/NDF: 42.6/31

All: 0.011+/-0.010 χ^2/NDF: 80.1/65

- sign -0.004+/-0.014 χ^2/NDF: 35.1/33

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: 71.369+/-0.015 χ^2/NDF:809816.9/15

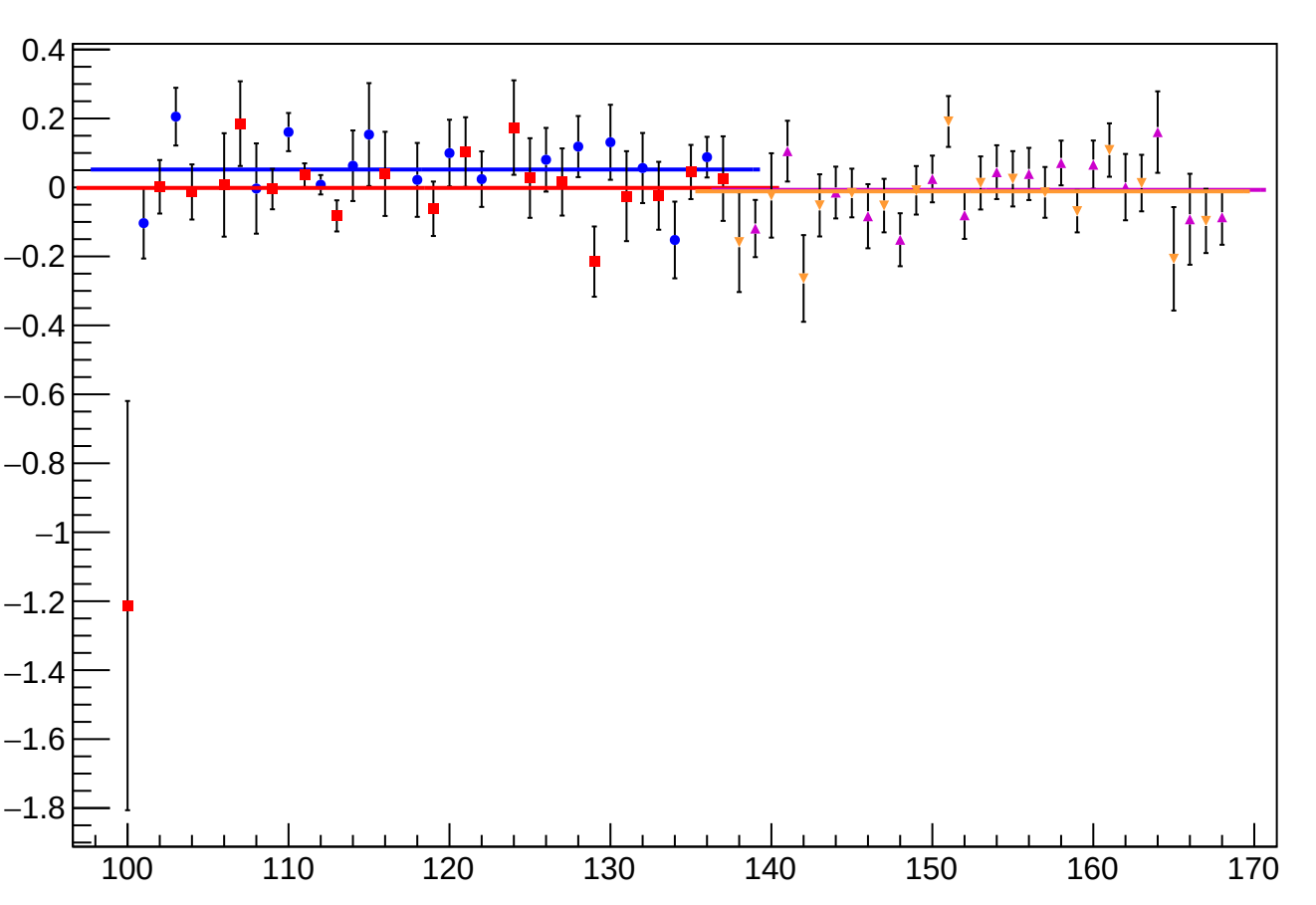
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.349+/-0.015 χ^2/NDF:267452.8/14

+ sign 53.853+/-0.010 χ^2/NDF: 6174450.6/31

All: 54.529+/-0.007 χ^2/NDF: 10382254.8/65

- sign 55.208+/-0.010 χ^2/NDF: 4197785.9/33



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.011+/-0.021 χ^2/NDF:19.3/15

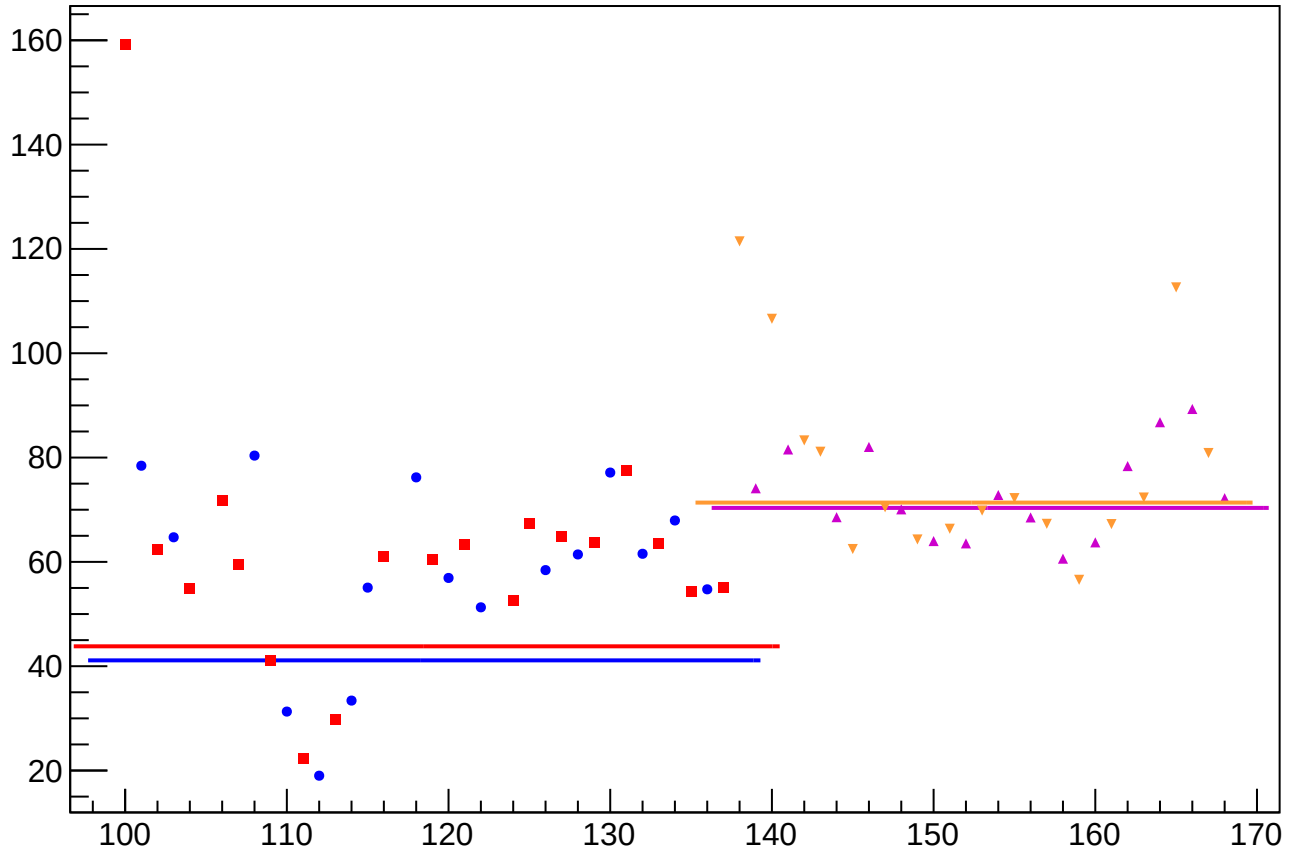
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.007+/-0.021 χ^2/NDF:15.8/14

+ sign 0.025+/-0.014 χ^2/NDF: 42.6/31

All: 0.011+/-0.010 χ^2/NDF: 80.1/65

- sign -0.004+/-0.014 χ^2/NDF: 35.1/33



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 71.369+/-0.015 χ^2/NDF:809816.9/15

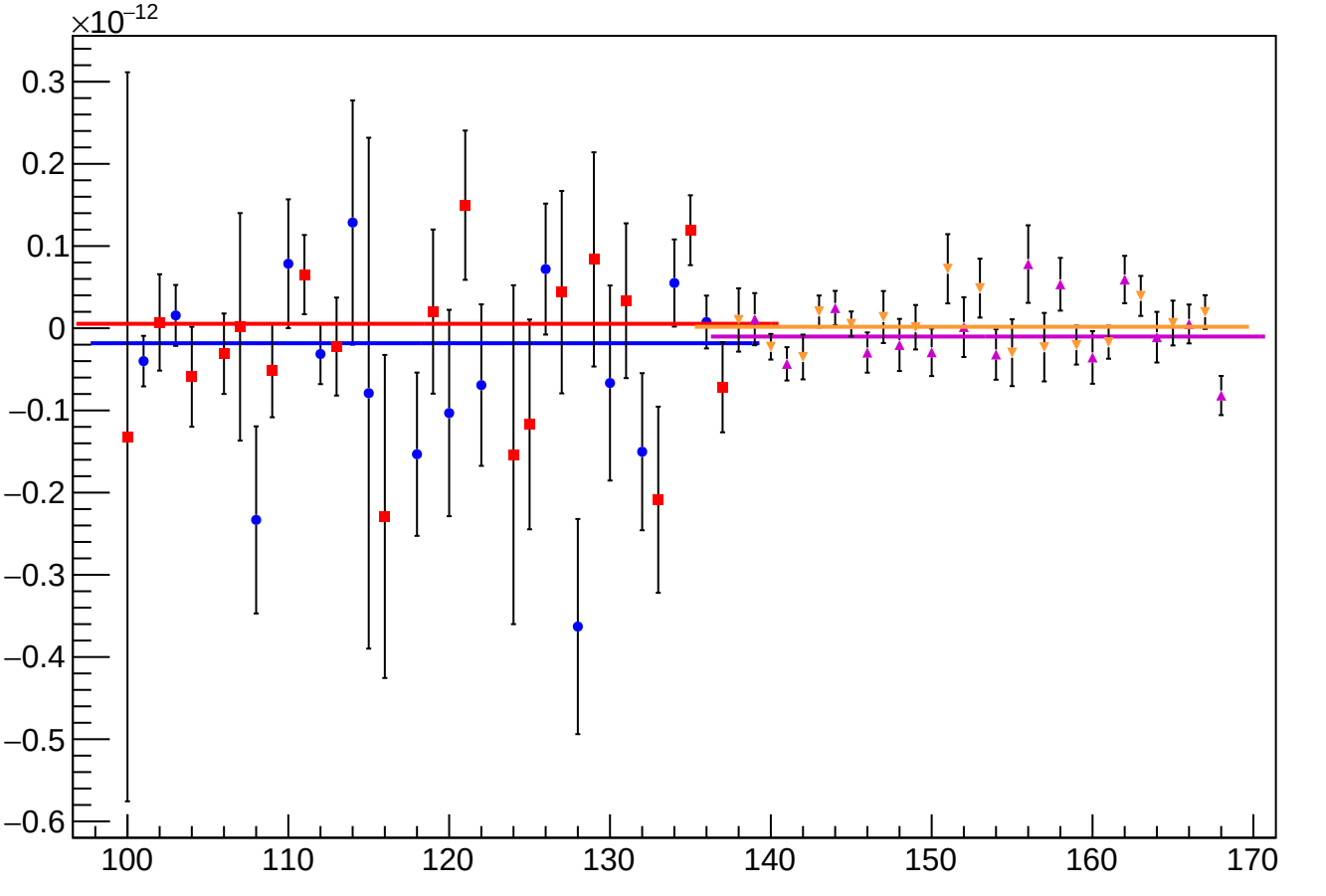
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.349+/-0.015 χ^2/NDF:267452.8/14

+ sign 53.853+/-0.010 χ^2/NDF: 6174450.6/31

All: 54.529+/-0.007 χ^2/NDF: 10382254.8/65

- sign 55.208+/-0.010 χ^2/NDF: 4197785.9/33



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/15

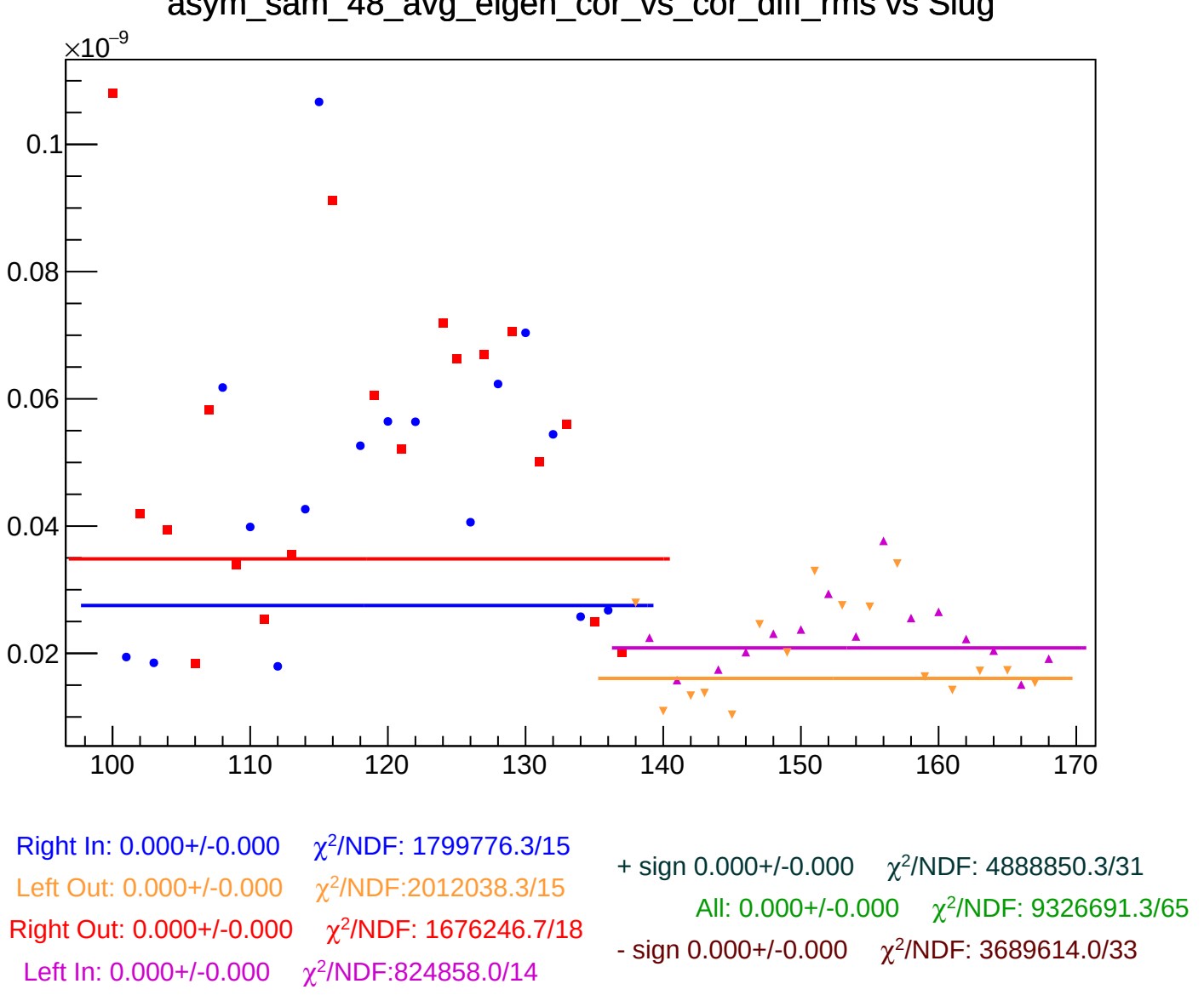
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:31.0/14

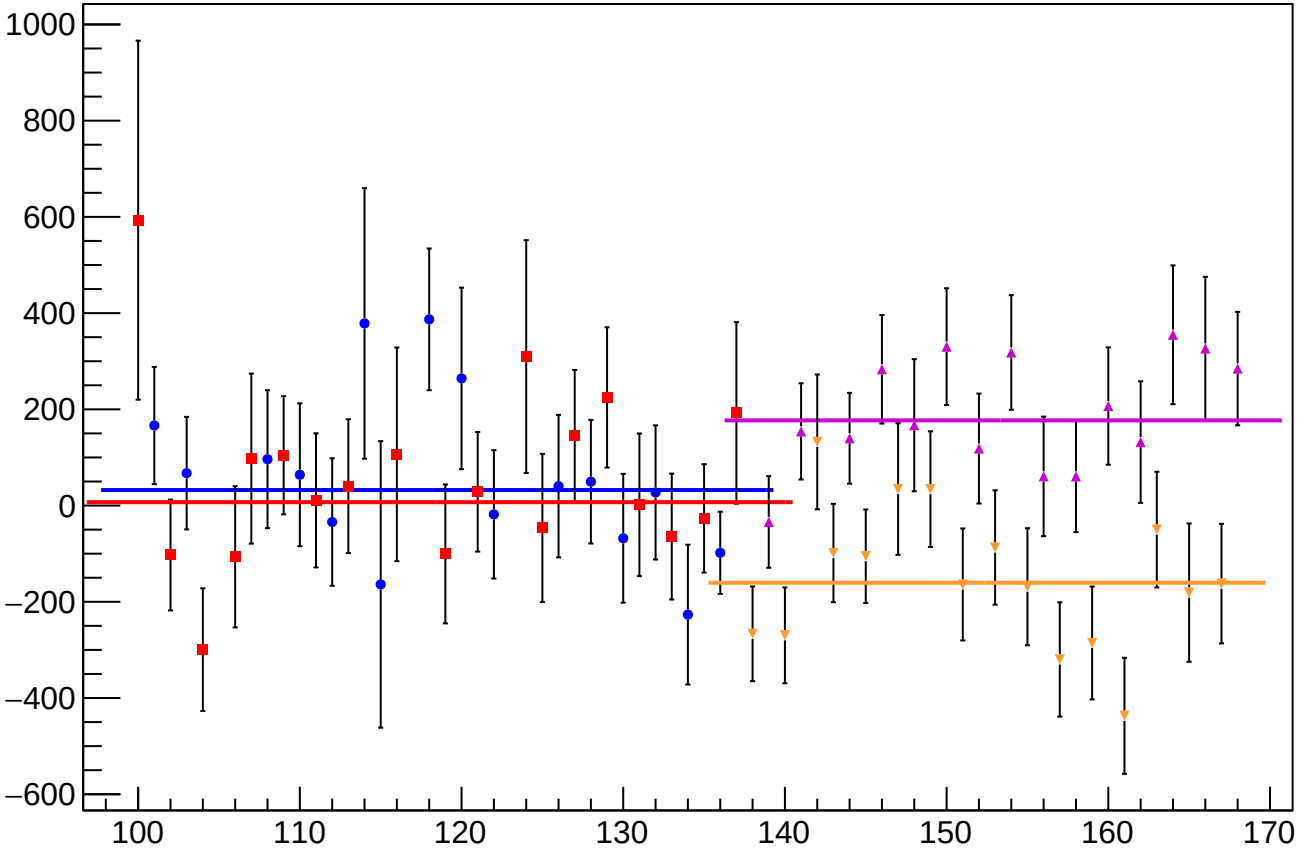
+ sign -0.000+/-0.000 χ^2/NDF: 40.5/31

All: -0.000+/-0.000 χ^2/NDF: 96.0/65

- sign -0.000+/-0.000 χ^2/NDF: 55.0/33


asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1799776.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2012038.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 1676246.7/18
Left In: 0.000+/-0.000 χ²/NDF:824858.0/14
+ sign 0.000+/-0.000 χ²/NDF: 4888850.3/31
All: 0.000+/-0.000 χ²/NDF: 9326691.3/65
- sign 0.000+/-0.000 χ²/NDF: 3689614.0/33

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -160.416+/-29.033 χ^2/NDF:21.5/15

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

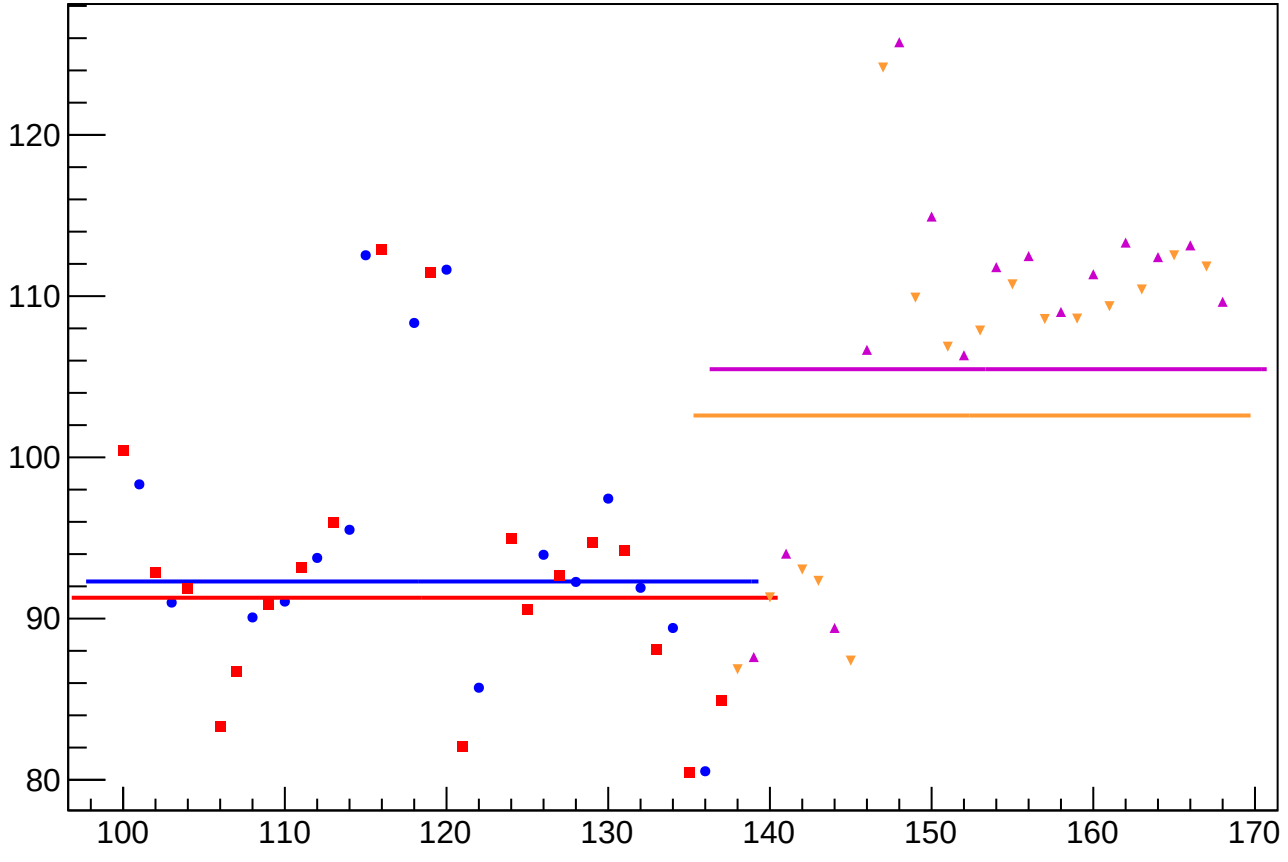
Left In: 177.050+/-30.108 χ^2/NDF:14.7/14

+ sign -80.327+/-22.195 χ^2/NDF: 57.1/31

All: 9.577+/-15.755 χ^2/NDF: 137.0/65

- sign 100.898+/-22.369 χ^2/NDF: 46.8/33

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.597+/-0.021 χ^2/NDF:273831.5/15

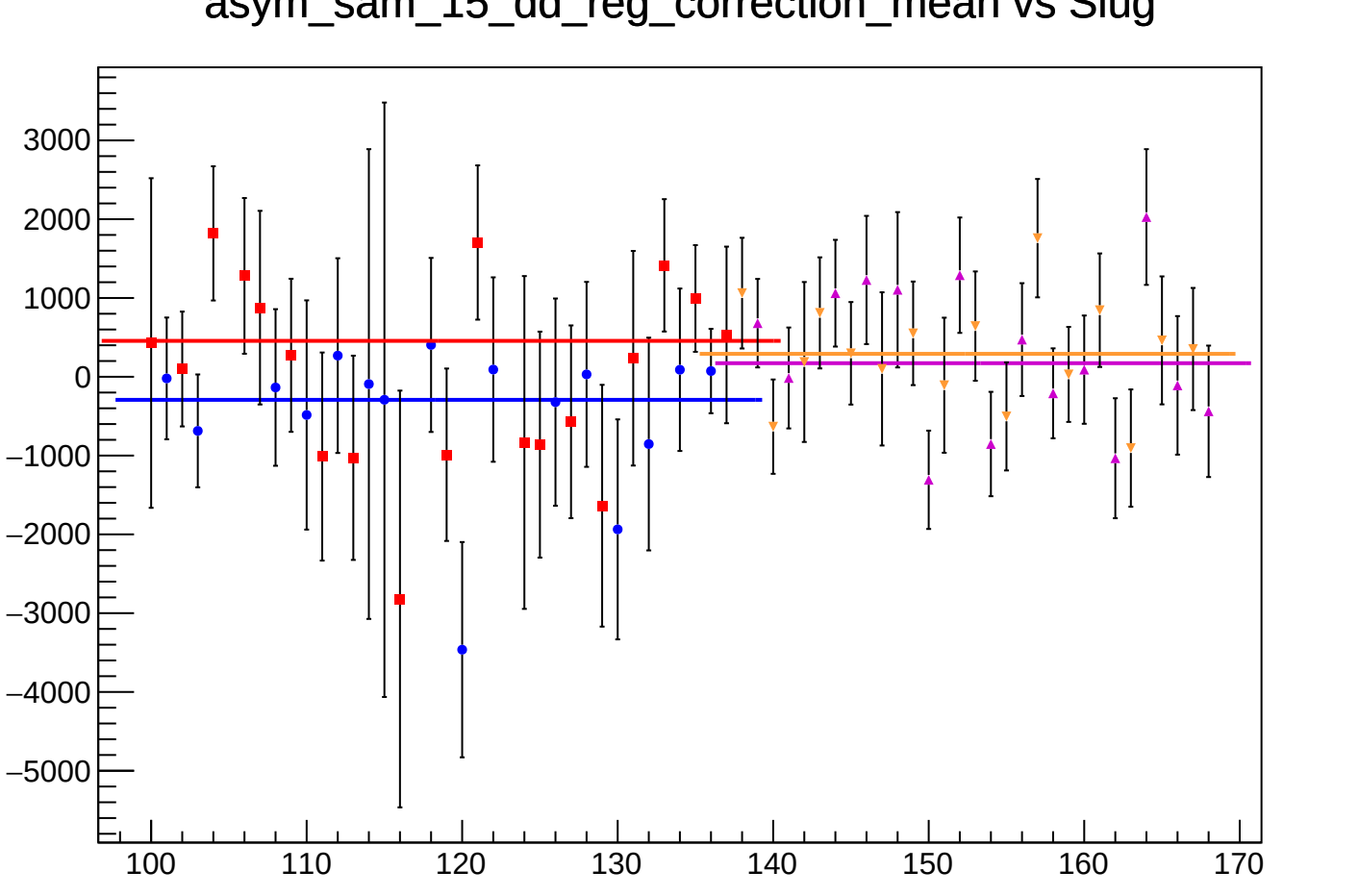
Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 105.469+/-0.021 χ^2/NDF:249223.6/14

+ sign 98.319+/-0.016 χ^2/NDF: 485400.8/31

All: 98.715+/-0.011 χ^2/NDF: 1039623.7/65

- sign 99.118+/-0.016 χ^2/NDF: 552935.3/33



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 291.013+/-180.964 χ^2/NDF:13.4/15

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

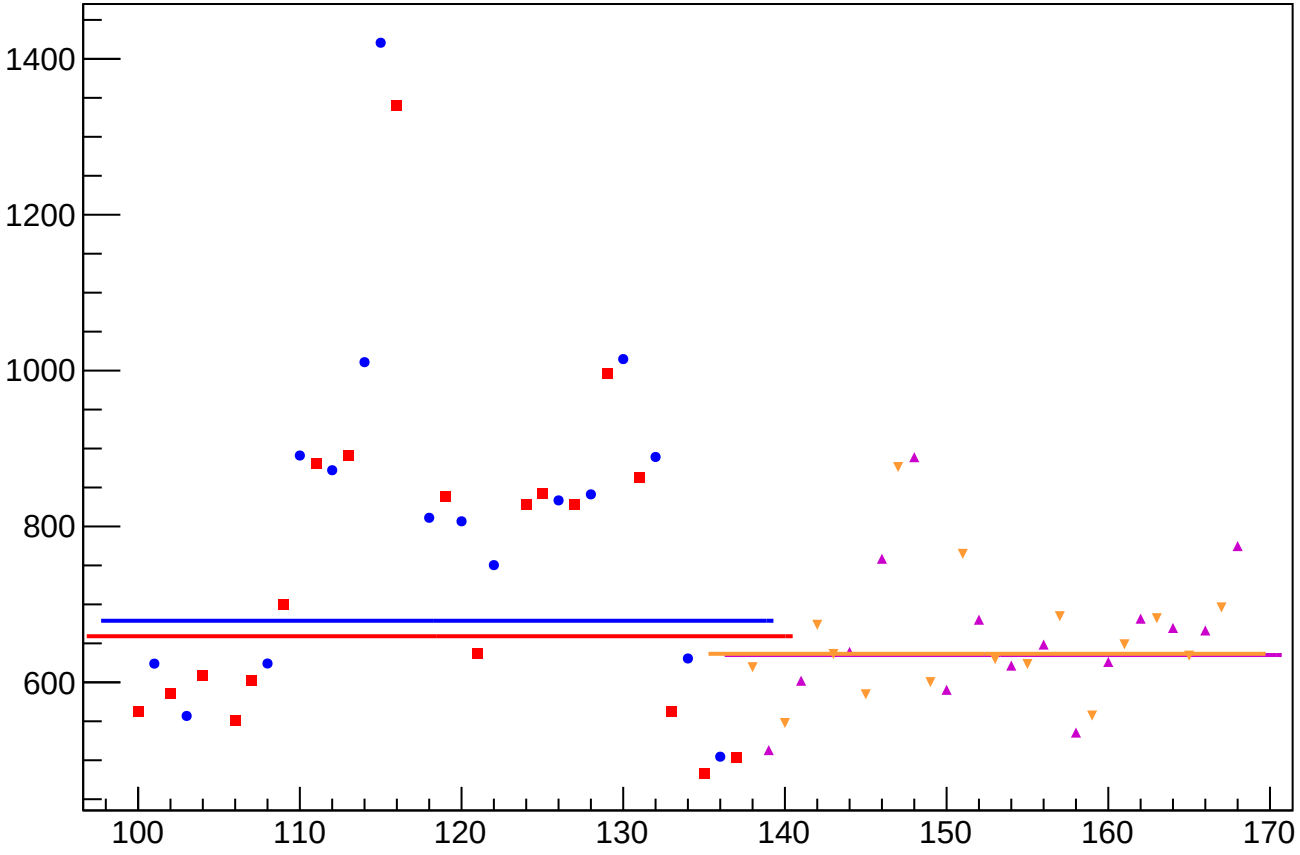
Left In: 172.455+/-182.612 χ^2/NDF:24.0/14

\+ sign 100.199+/-148.472 χ^2/NDF: 25.6/31

All: 186.694+/-104.532 χ^2/NDF: 67.9/65

\- sign 271.710+/-147.197 χ^2/NDF: 41.7/33

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 636.601+/-0.128 χ^2/NDF:296608.3/15

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

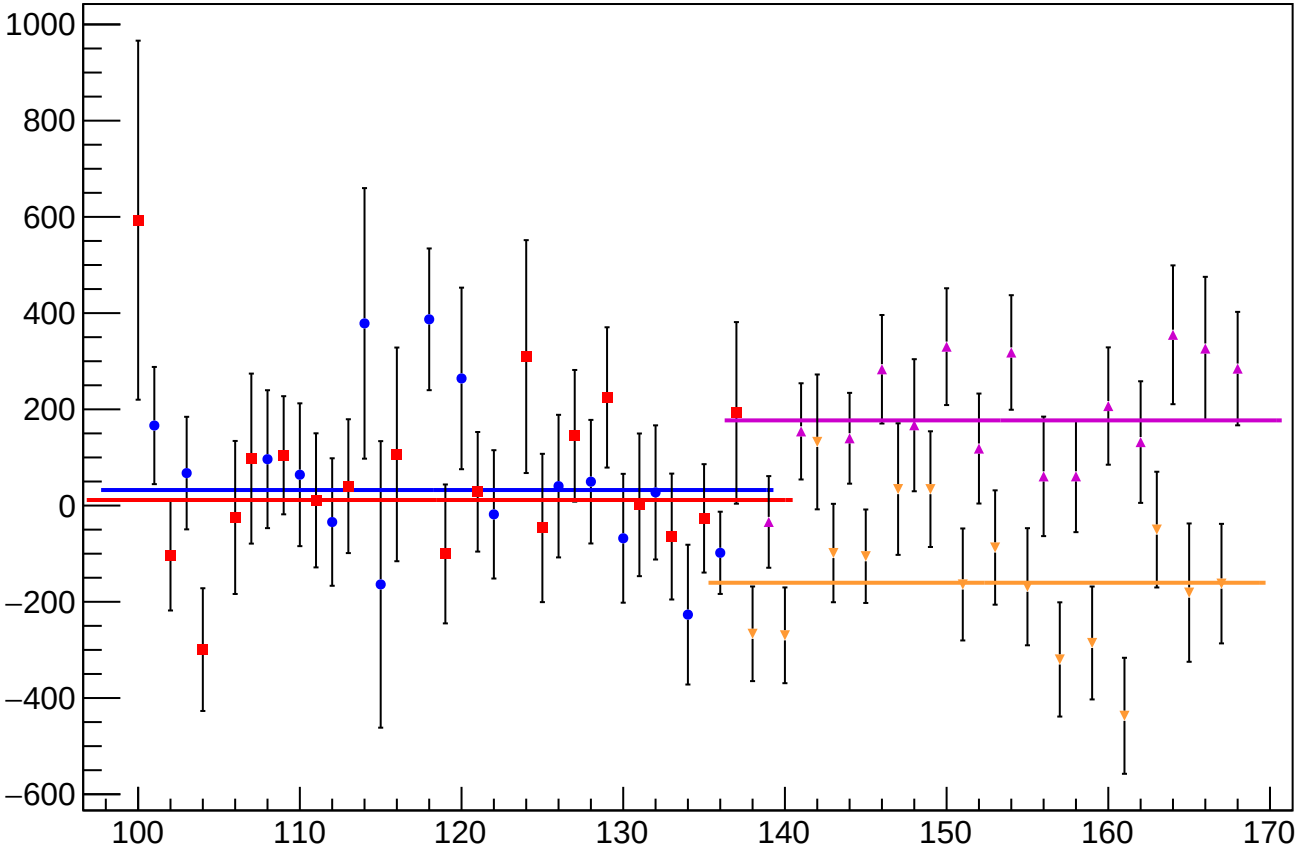
Left In: 635.020+/-0.129 χ^2/NDF:428671.7/14

+ sign 650.461+/-0.105 χ^2/NDF: 1100483.2/31

All: 646.933+/-0.074 χ^2/NDF: 2339486.3/65

- sign 643.466+/-0.104 χ^2/NDF: 1236764.3/33

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -160.413+/-29.033 χ^2/NDF:21.5/15

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

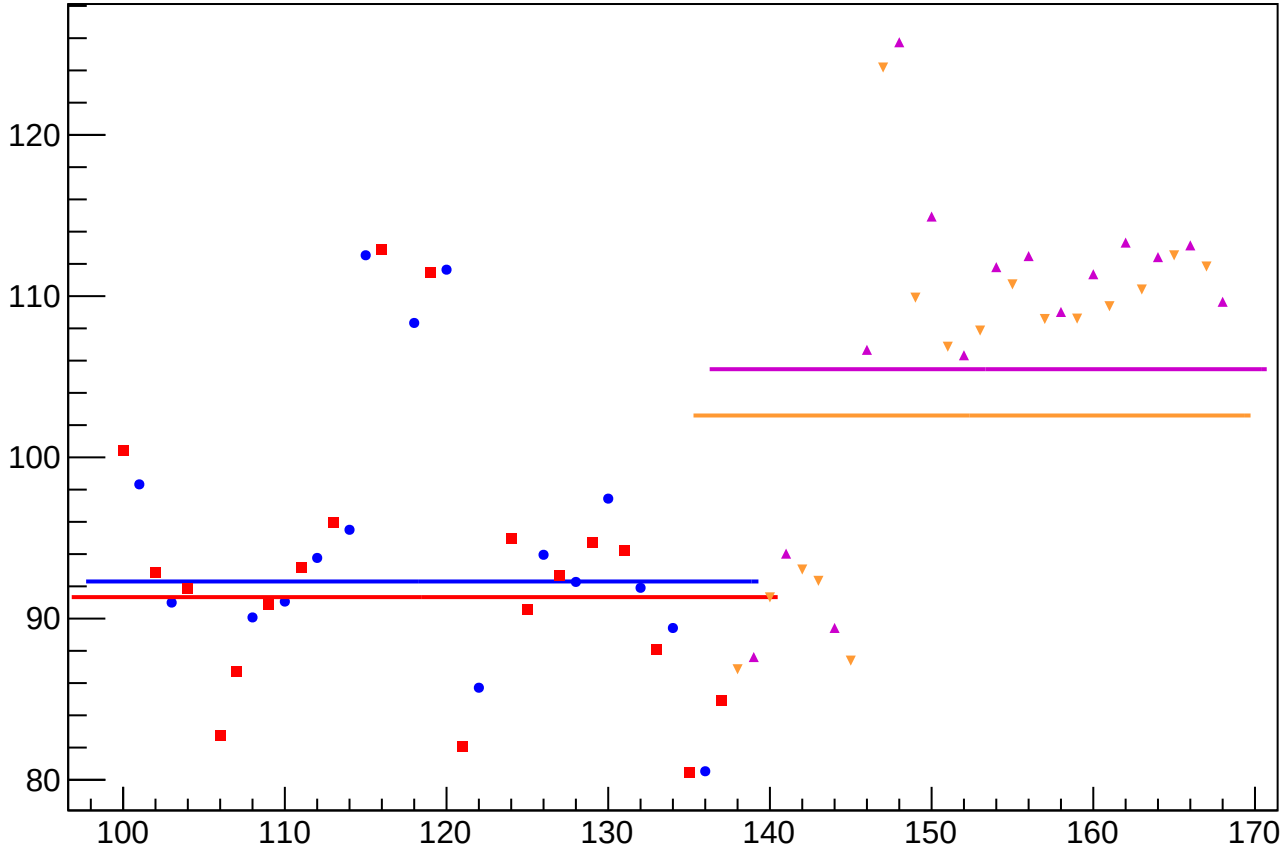
Left In: 177.052+/-30.108 χ^2/NDF:14.7/14

+ sign -80.320+/-22.195 χ^2/NDF: 57.1/31

All: 10.581+/-15.769 χ^2/NDF: 136.4/65

- sign 103.232+/-22.407 χ^2/NDF: 45.4/33

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.597+/-0.021 χ^2/NDF:273831.5/15

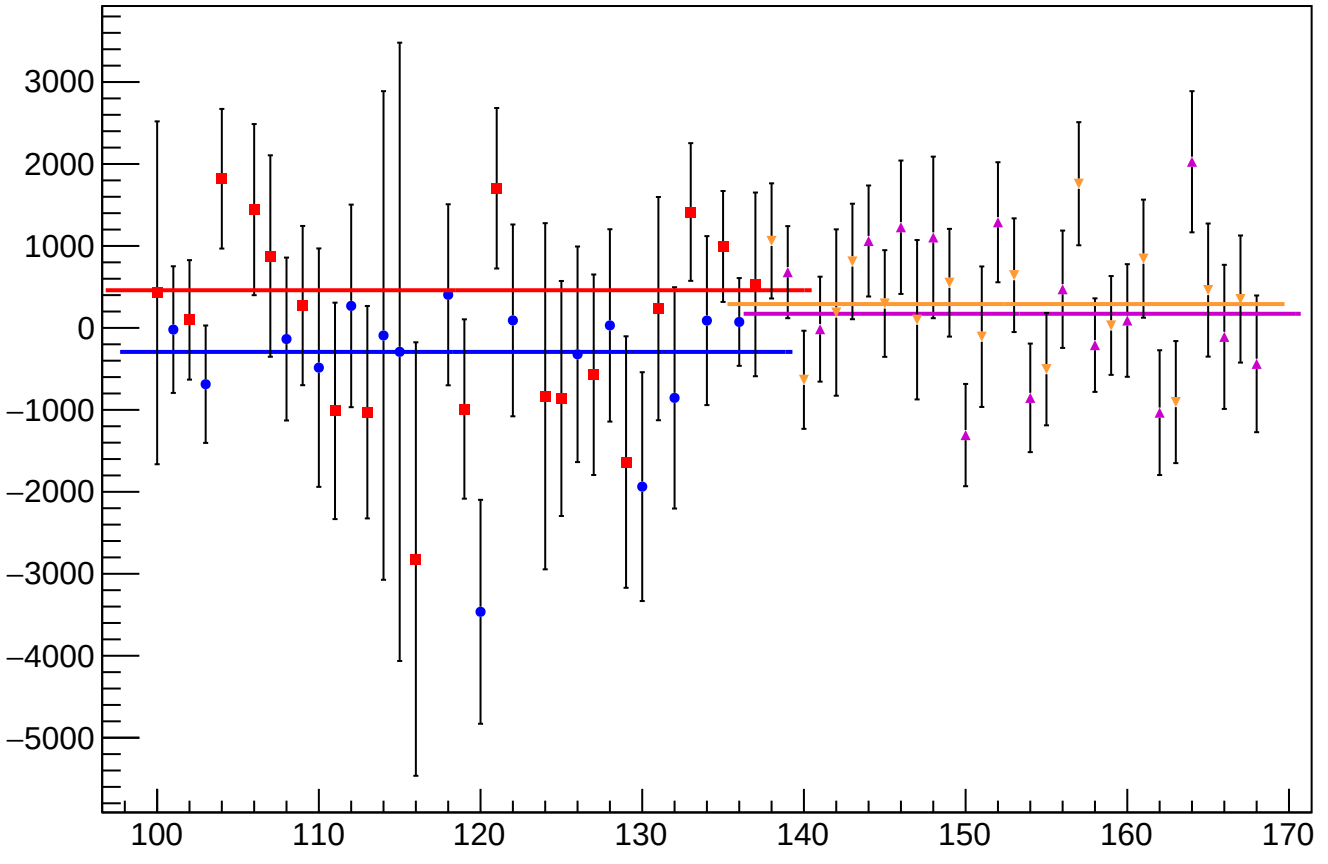
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 105.469+/-0.021 χ^2/NDF:249223.6/14

+ sign 98.319+/-0.016 χ^2/NDF: 485400.7/31

All: 98.736+/-0.011 χ^2/NDF: 1037678.4/65

- sign 99.162+/-0.016 χ^2/NDF: 550847.0/33



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 291.012+/-180.965 χ^2/NDF:13.4/15

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

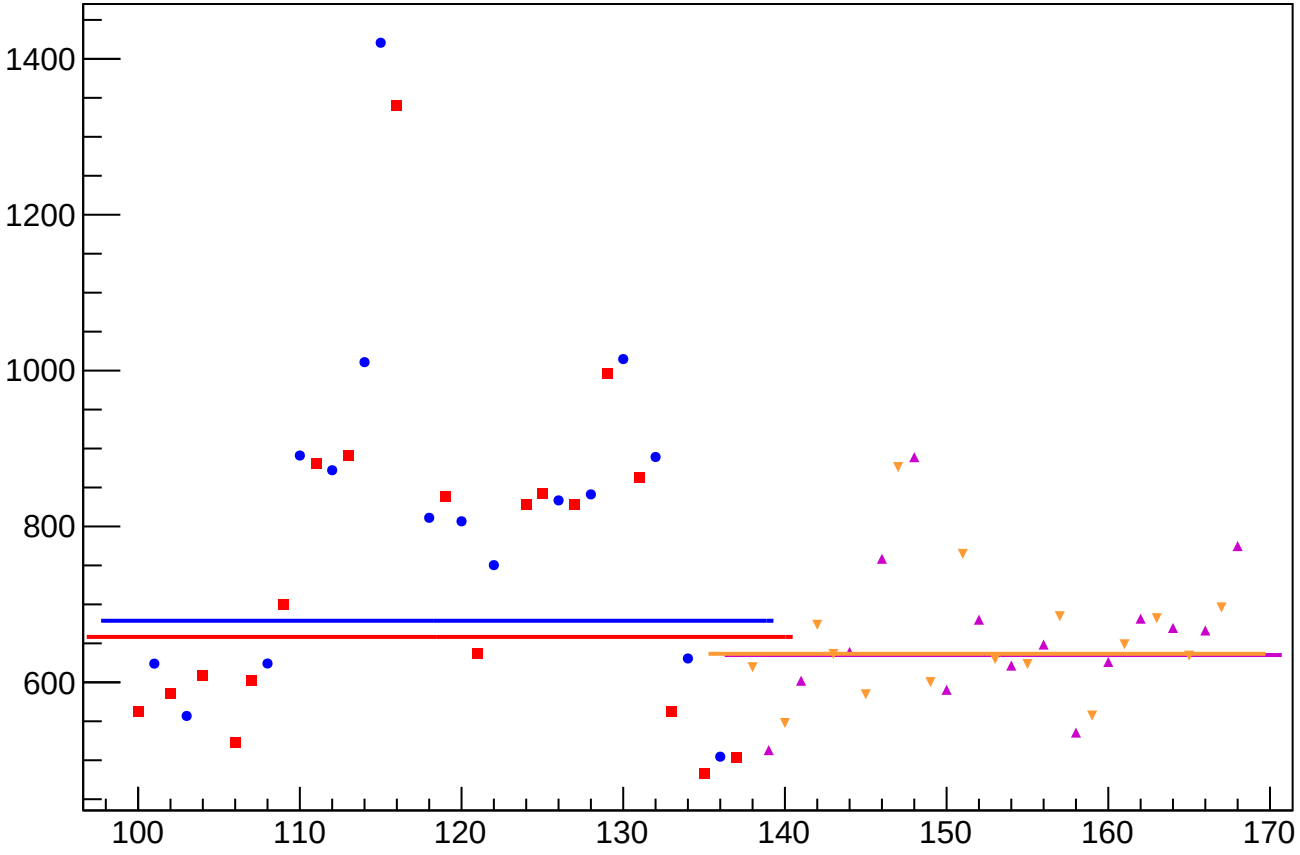
Left In: 172.457+/-182.612 χ^2/NDF:24.0/14

+ sign 100.199+/-148.472 χ^2/NDF: 25.6/31

All: 187.041+/-104.593 χ^2/NDF: 68.2/65

- sign 272.597+/-147.368 χ^2/NDF: 41.9/33

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 636.601+/-0.128 χ^2/NDF:296609.2/15

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

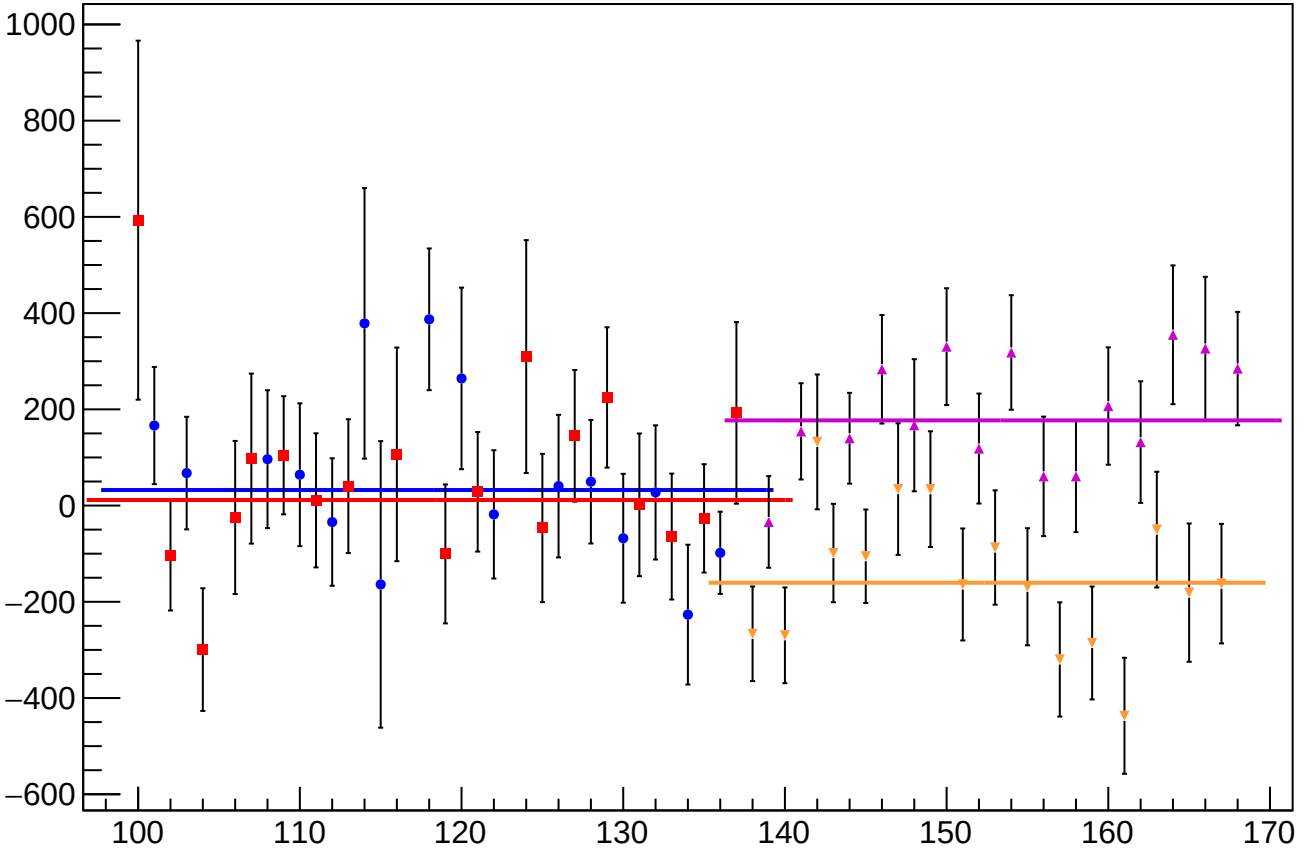
Left In: 635.020+/-0.129 χ^2/NDF:428672.4/14

\+ sign 650.461+/-0.105 χ^2/NDF: 1100485.4/31

All: 646.766+/-0.074 χ^2/NDF: 2348813.5/65

\- sign 643.126+/-0.104 χ^2/NDF: 1245869.2/33

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -160.413+/-29.033 χ^2/NDF:21.5/15

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

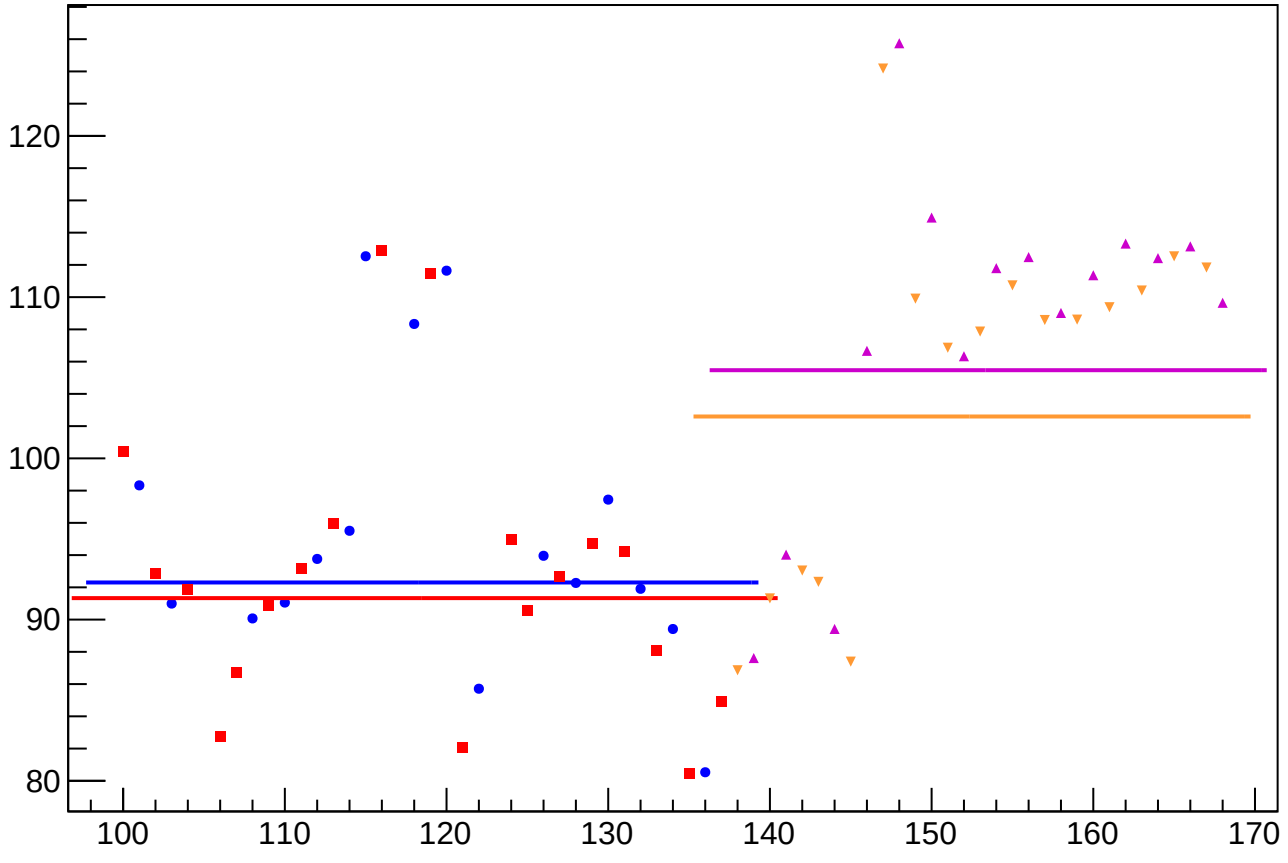
Left In: 177.052+/-30.108 χ^2/NDF:14.7/14

+ sign -80.320+/-22.195 χ^2/NDF: 57.1/31

All: 10.581+/-15.769 χ^2/NDF: 136.4/65

- sign 103.232+/-22.407 χ^2/NDF: 45.4/33

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.597+/-0.021 χ^2/NDF:273831.5/15

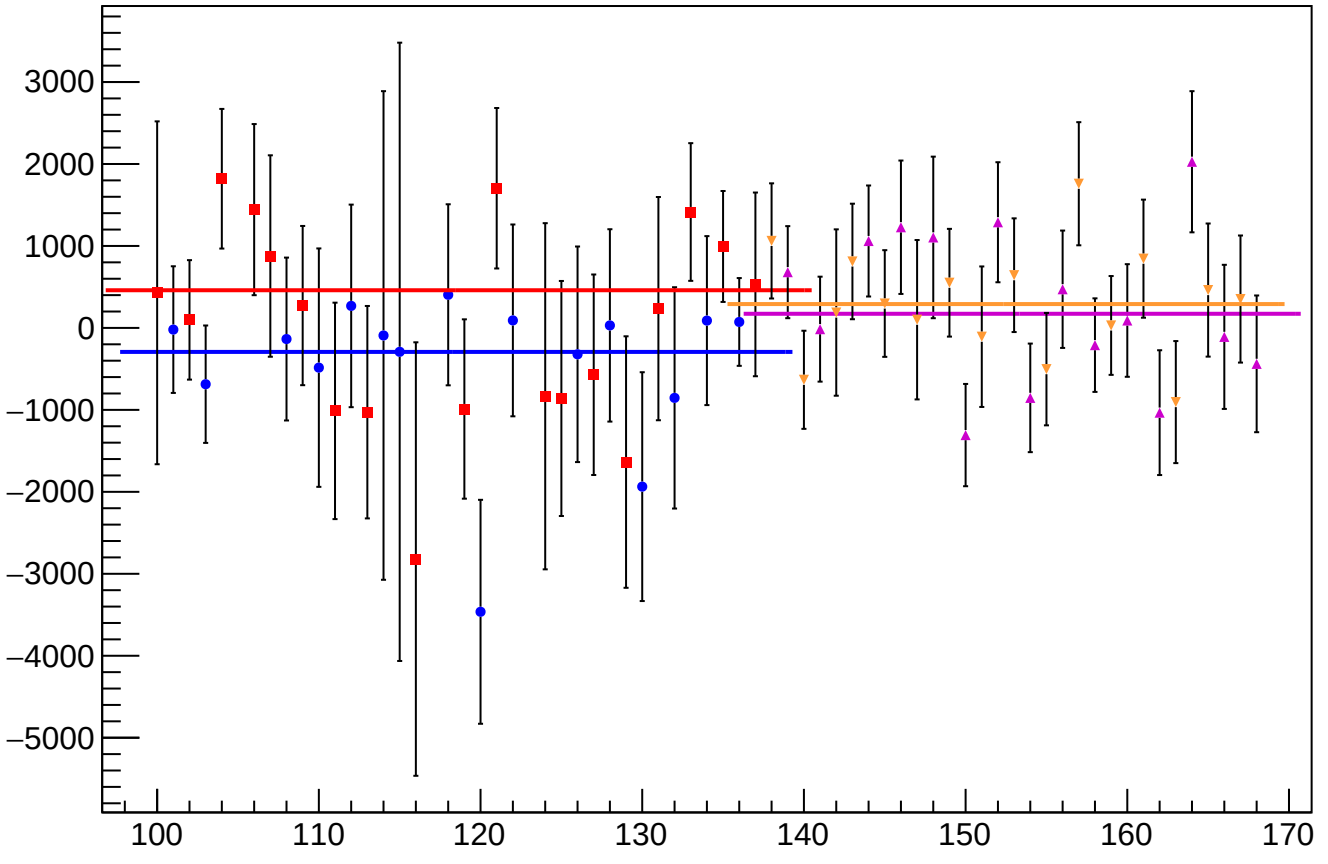
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 105.469+/-0.021 χ^2/NDF:249223.6/14

+ sign 98.319+/-0.016 χ^2/NDF: 485400.7/31

All: 98.736+/-0.011 χ^2/NDF: 1037678.4/65

- sign 99.162+/-0.016 χ^2/NDF: 550847.0/33



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 291.012+/-180.965 χ^2/NDF:13.4/15

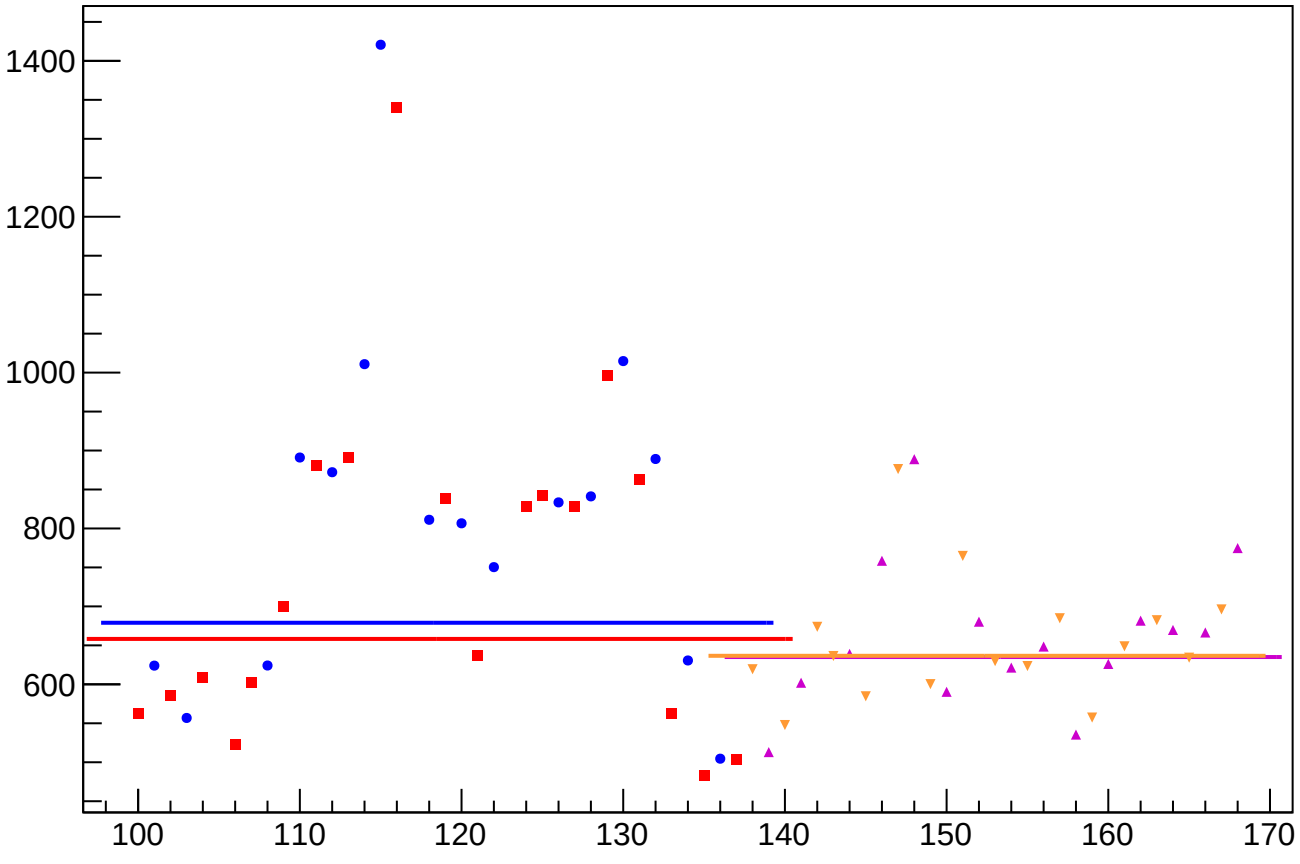
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 172.457+/-182.612 χ^2/NDF:24.0/14

+ sign 100.199+/-148.472 χ^2/NDF: 25.6/31

All: 187.041+/-104.593 χ^2/NDF: 68.2/65

- sign 272.597+/-147.368 χ^2/NDF: 41.9/33



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 636.601+/-0.128 χ^2/NDF:296609.2/15

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

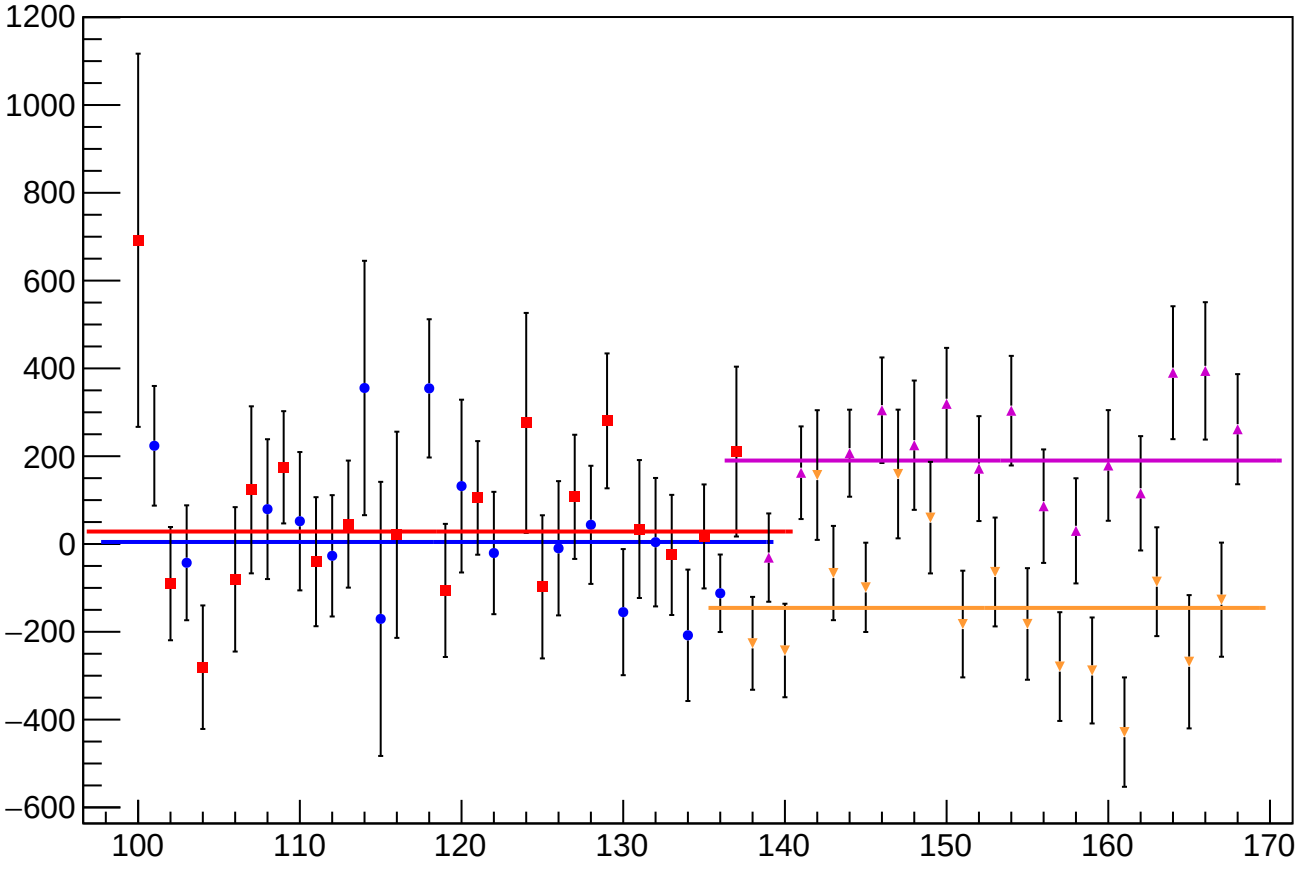
Left In: 635.020+/-0.129 χ^2/NDF:428672.4/14

+ sign 650.461+/-0.105 χ^2/NDF: 1100485.4/31

All: 646.766+/-0.074 χ^2/NDF: 2348813.5/65

- sign 643.126+/-0.104 χ^2/NDF: 1245869.2/33

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -145.579+/-30.489 χ^2/NDF:22.5/15

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

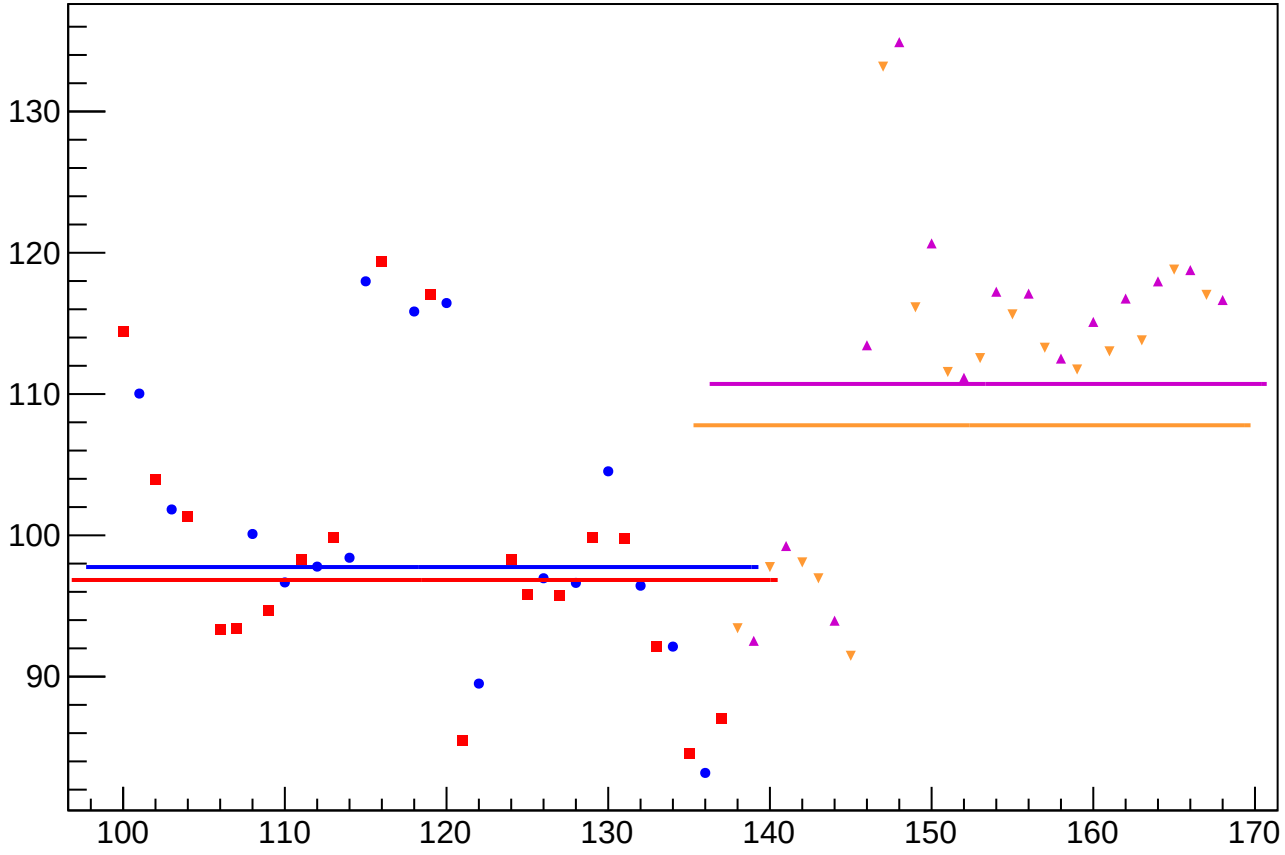
Left In: 190.117+/-31.608 χ^2/NDF:14.3/14

+ sign -83.867+/-23.402 χ^2/NDF: 47.9/31

All: 16.495+/-16.616 χ^2/NDF: 128.0/65

- sign 118.531+/-23.596 χ^2/NDF: 43.0/33

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 107.791+/-0.022 χ^2/NDF:251111.7/15

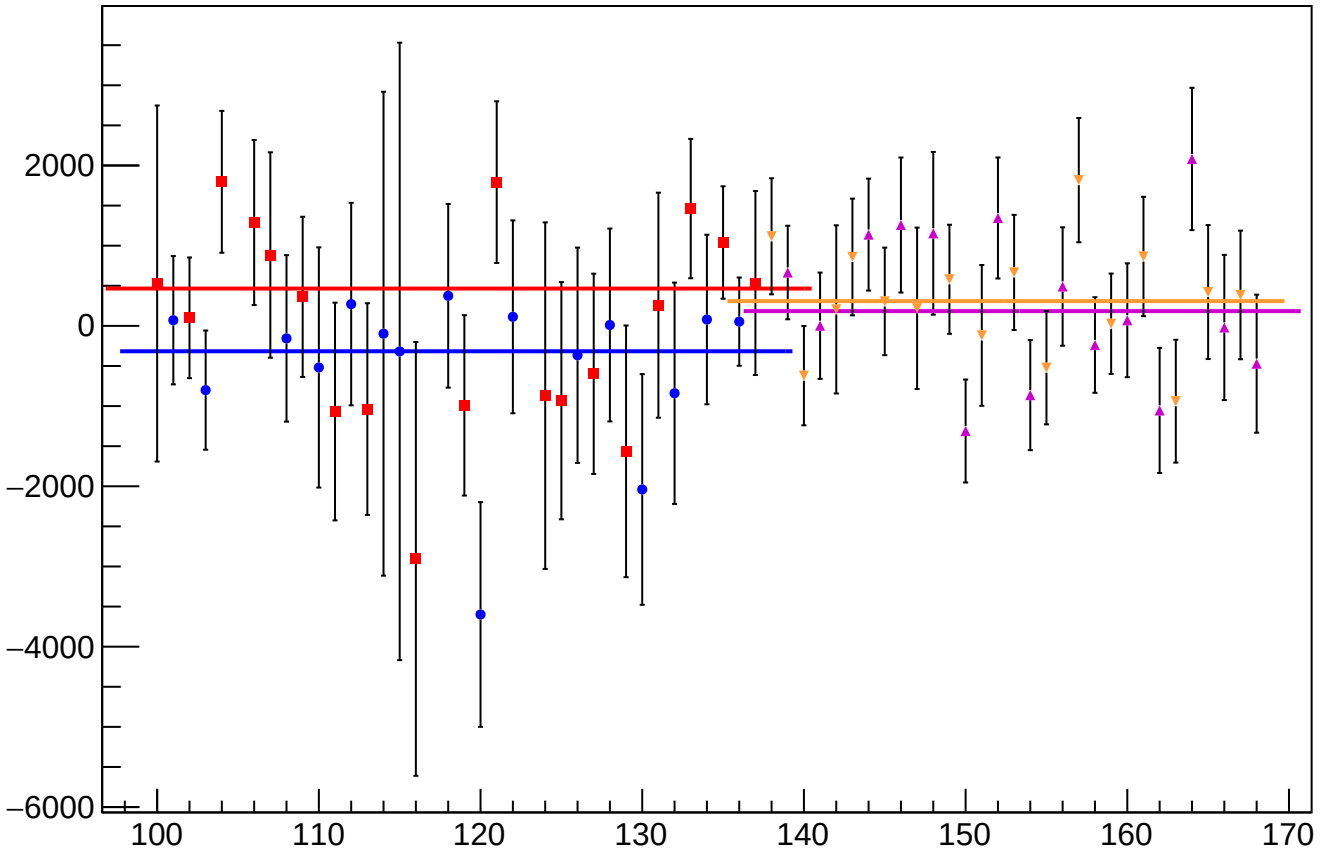
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 110.715+/-0.022 χ^2/NDF:245245.7/14

\+ sign 103.668+/-0.017 χ^2/NDF: 480778.1/31

All: 104.117+/-0.012 χ^2/NDF: 1013307.8/65

\- sign 104.573+/-0.017 χ^2/NDF: 531045.8/33



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 308.615+/-186.805 χ^2/NDF:13.4/15

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

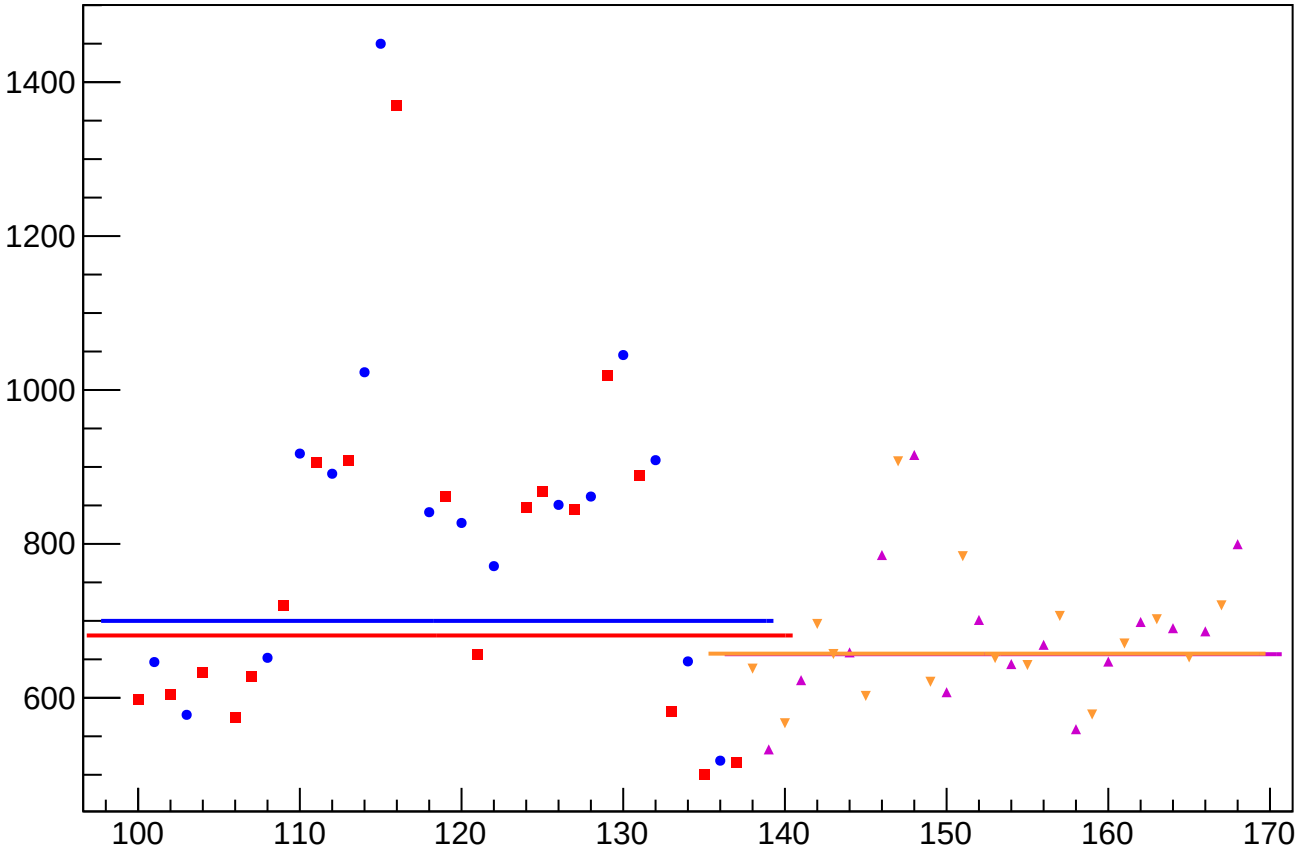
Left In: 183.776+/-188.718 χ^2/NDF:23.7/14

+ sign 103.689+/-153.159 χ^2/NDF: 26.2/31

All: 193.837+/-107.901 χ^2/NDF: 67.8/65

- sign 282.672+/-152.039 χ^2/NDF: 41.0/33

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 657.408+/-0.132 χ^2/NDF:291751.6/15

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

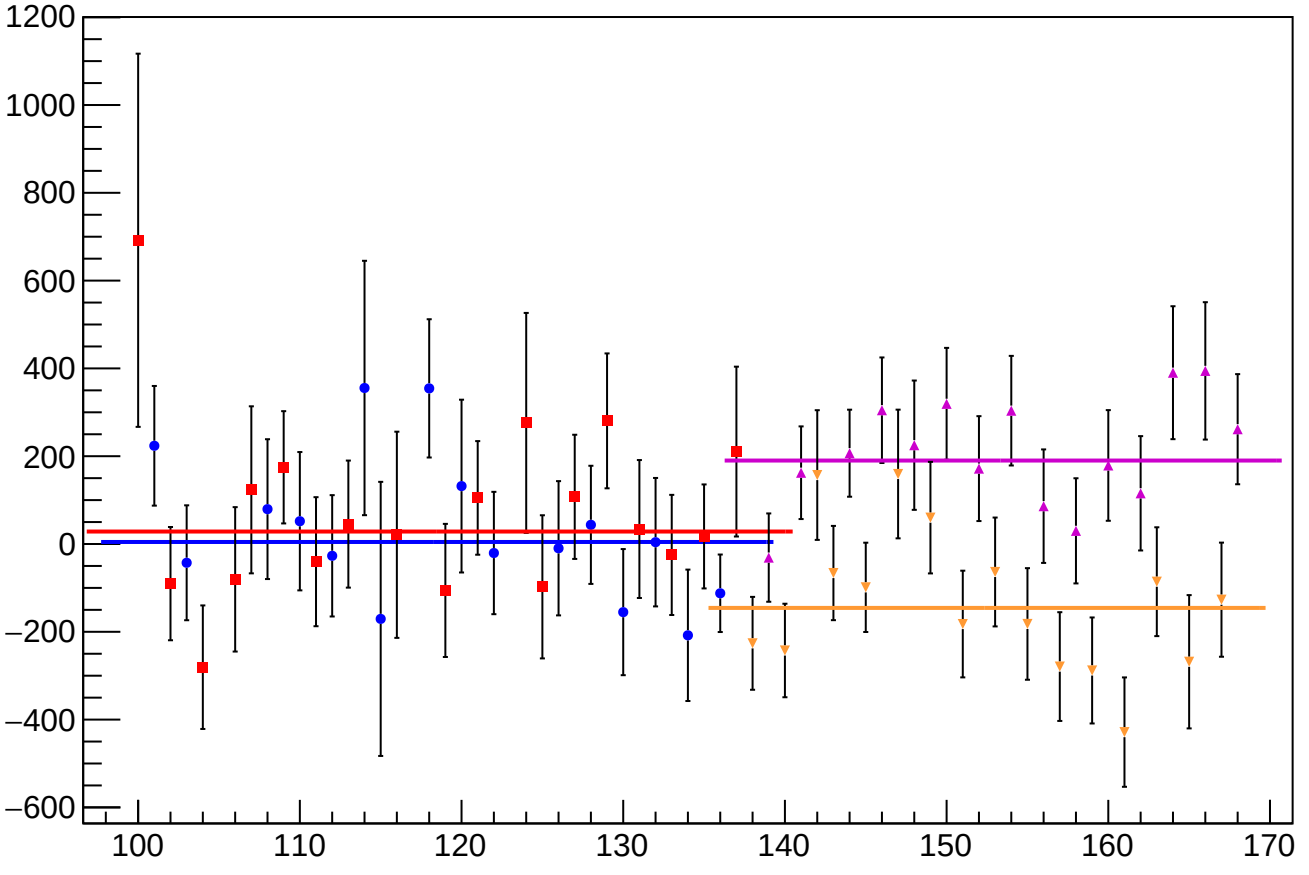
Left In: 656.667+/-0.133 χ^2/NDF:412114.9/14

\+ sign 671.360+/-0.108 χ^2/NDF: 1079453.5/31

All: 668.264+/-0.076 χ^2/NDF: 2274273.9/65

\- sign 665.212+/-0.108 χ^2/NDF: 1193197.3/33

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -145.579+/-30.489 χ^2/NDF:22.5/15

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

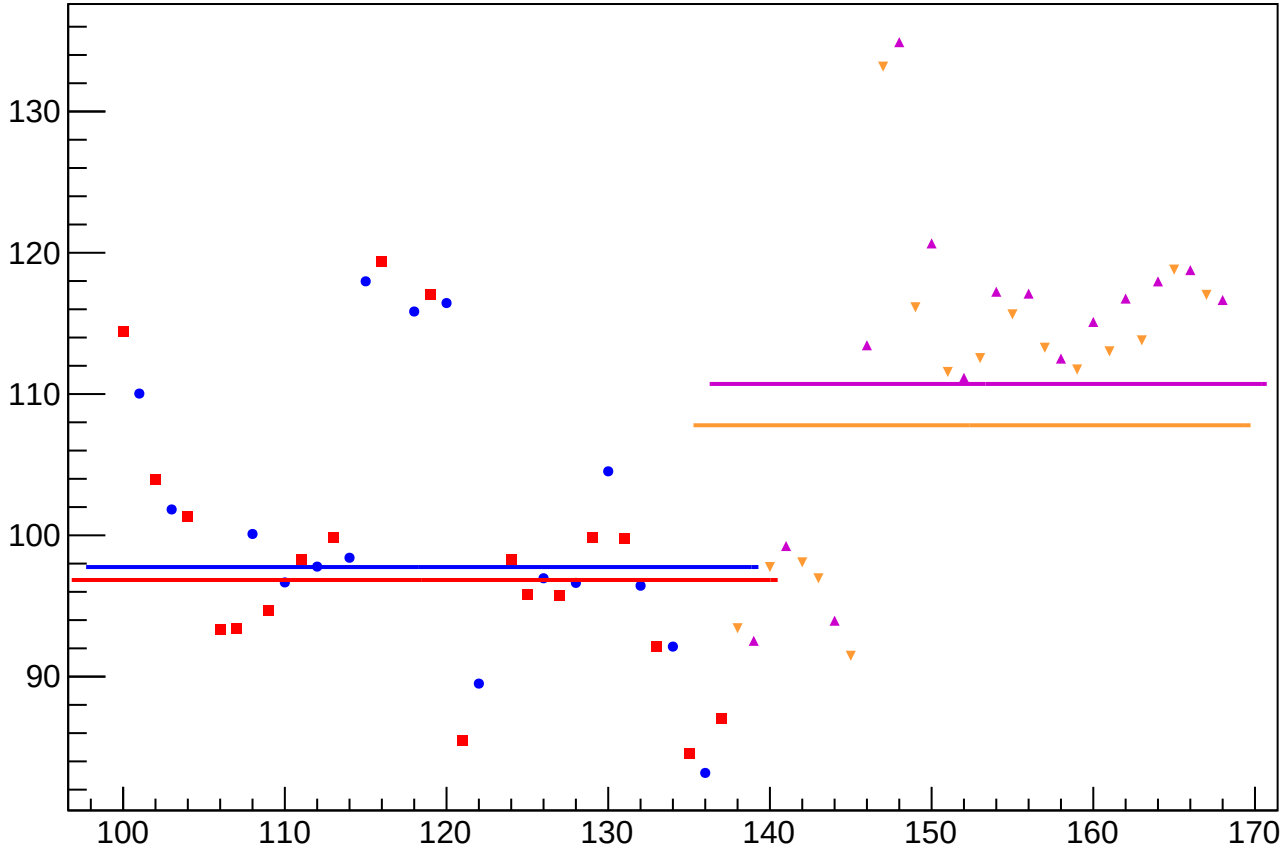
Left In: 190.118+/-31.608 χ^2/NDF:14.3/14

+ sign -83.866+/-23.402 χ^2/NDF: 47.9/31

All: 16.496+/-16.616 χ^2/NDF: 128.0/65

- sign 118.531+/-23.596 χ^2/NDF: 43.0/33

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 107.791+/-0.022 χ^2/NDF:251110.5/15

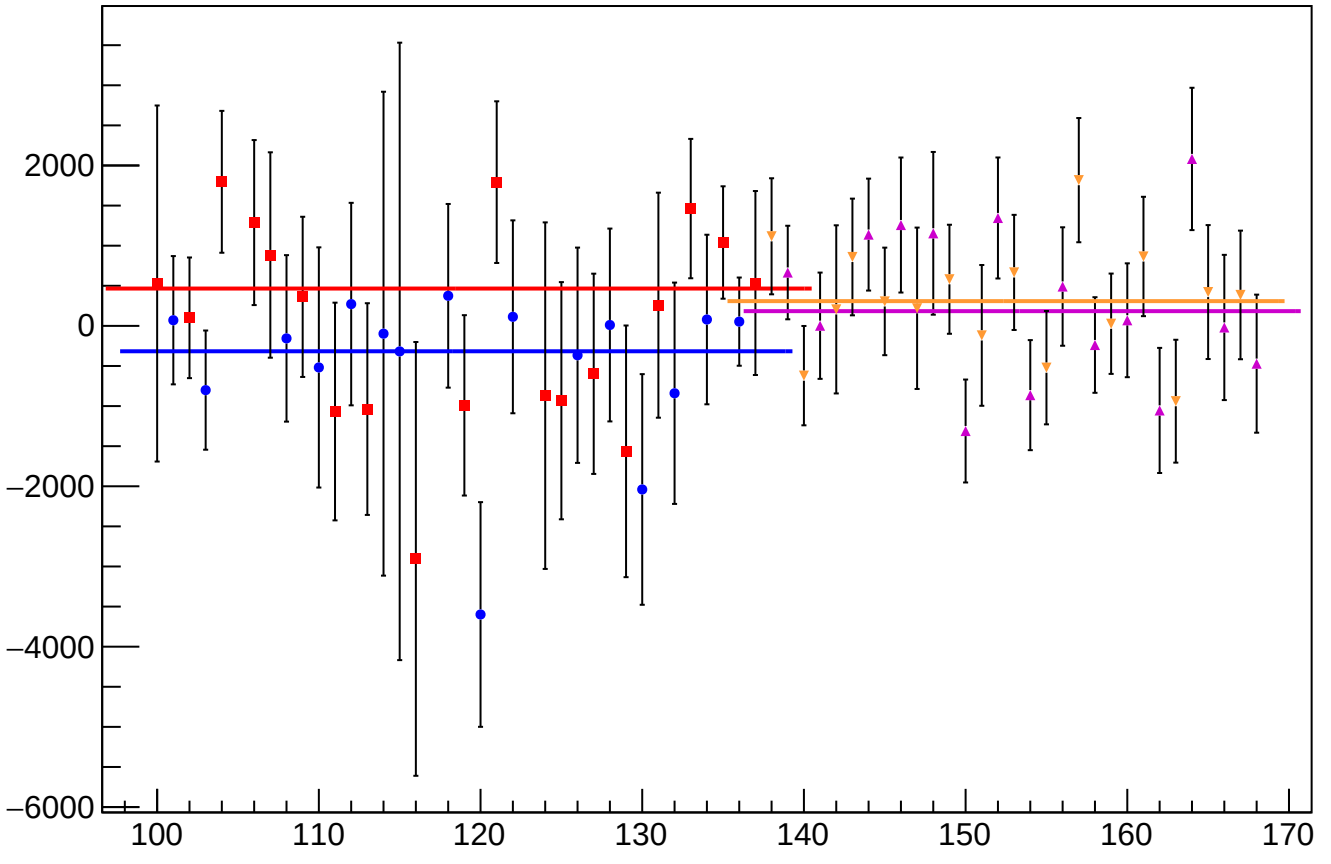
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 110.716+/-0.022 χ^2/NDF:245242.8/14

+ sign 103.668+/-0.017 χ^2/NDF: 480783.7/31

All: 104.116+/-0.012 χ^2/NDF: 1013323.0/65

- sign 104.573+/-0.017 χ^2/NDF: 531055.4/33



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 308.615+/-186.805 χ^2/NDF:13.4/15

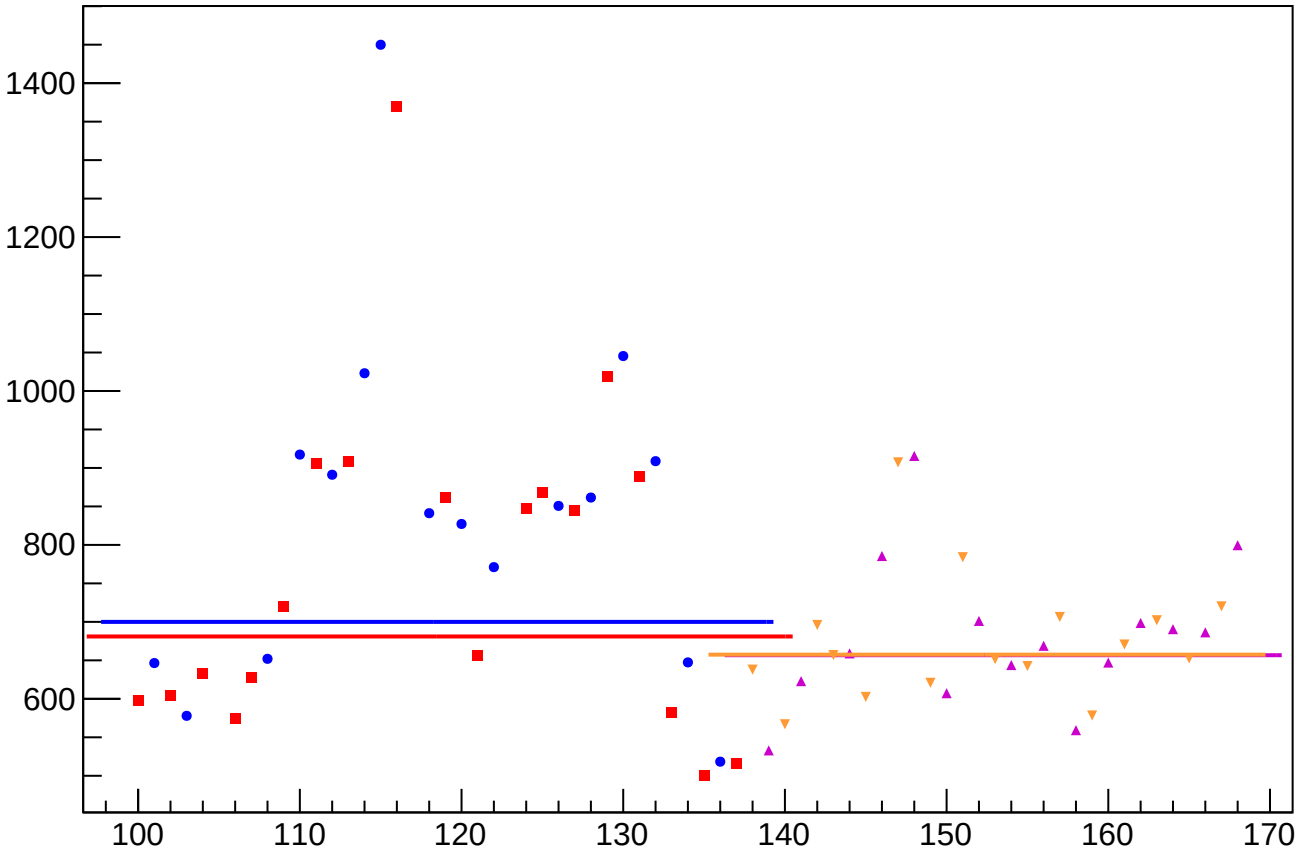
Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: 183.776+/-188.718 χ^2/NDF:23.7/14

+ sign 103.688+/-153.159 χ^2/NDF: 26.2/31

All: 193.838+/-107.901 χ^2/NDF: 67.8/65

- sign 282.673+/-152.039 χ^2/NDF: 41.0/33



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 657.409+/-0.132 χ^2/NDF:291751.3/15

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

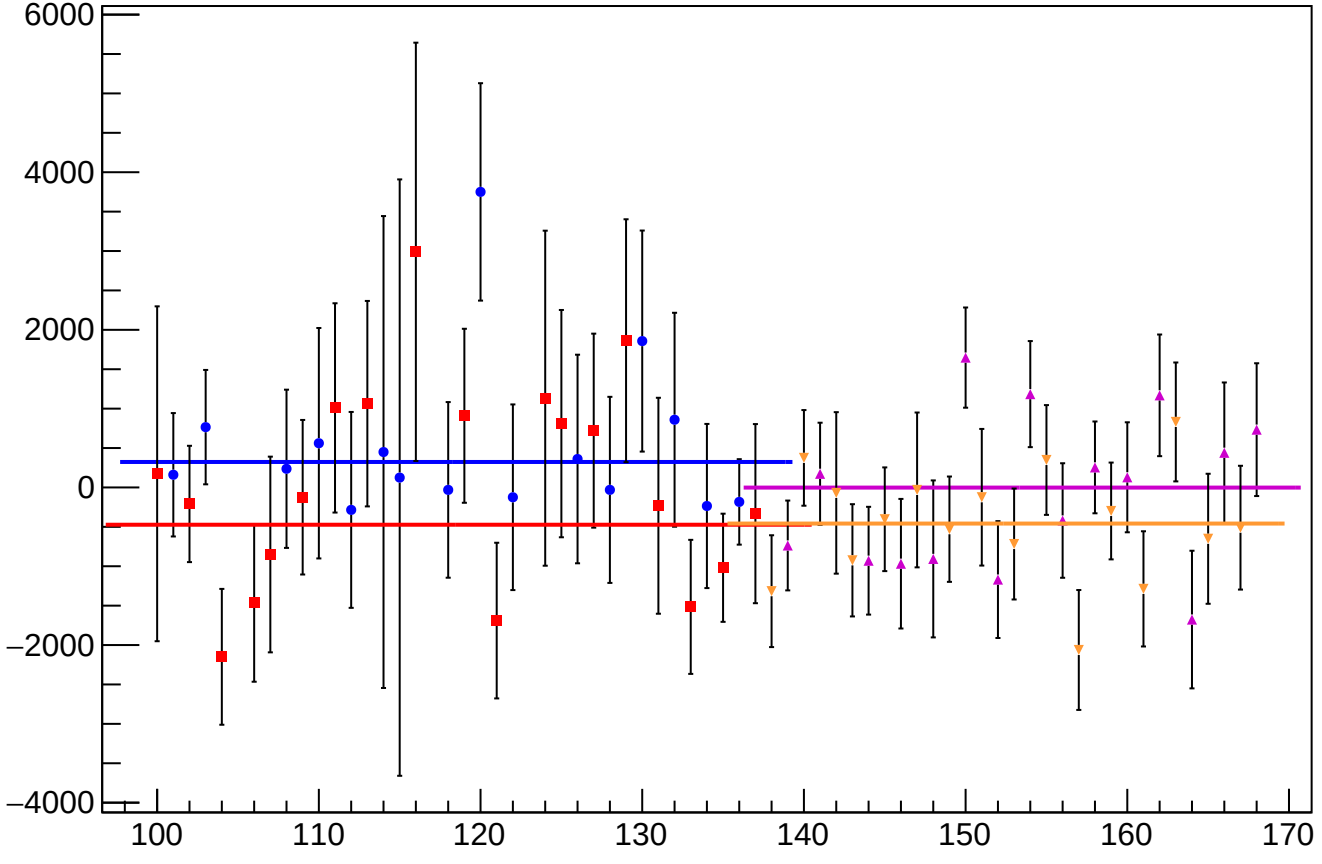
Left In: 656.667+/-0.133 χ^2/NDF:412115.3/14

+ sign 671.360+/-0.108 χ^2/NDF: 1079452.5/31

All: 668.263+/-0.076 χ^2/NDF: 2274274.6/65

- sign 665.212+/-0.108 χ^2/NDF: 1193198.8/33

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -458.414+/-183.439 χ^2/NDF:14.5/15

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

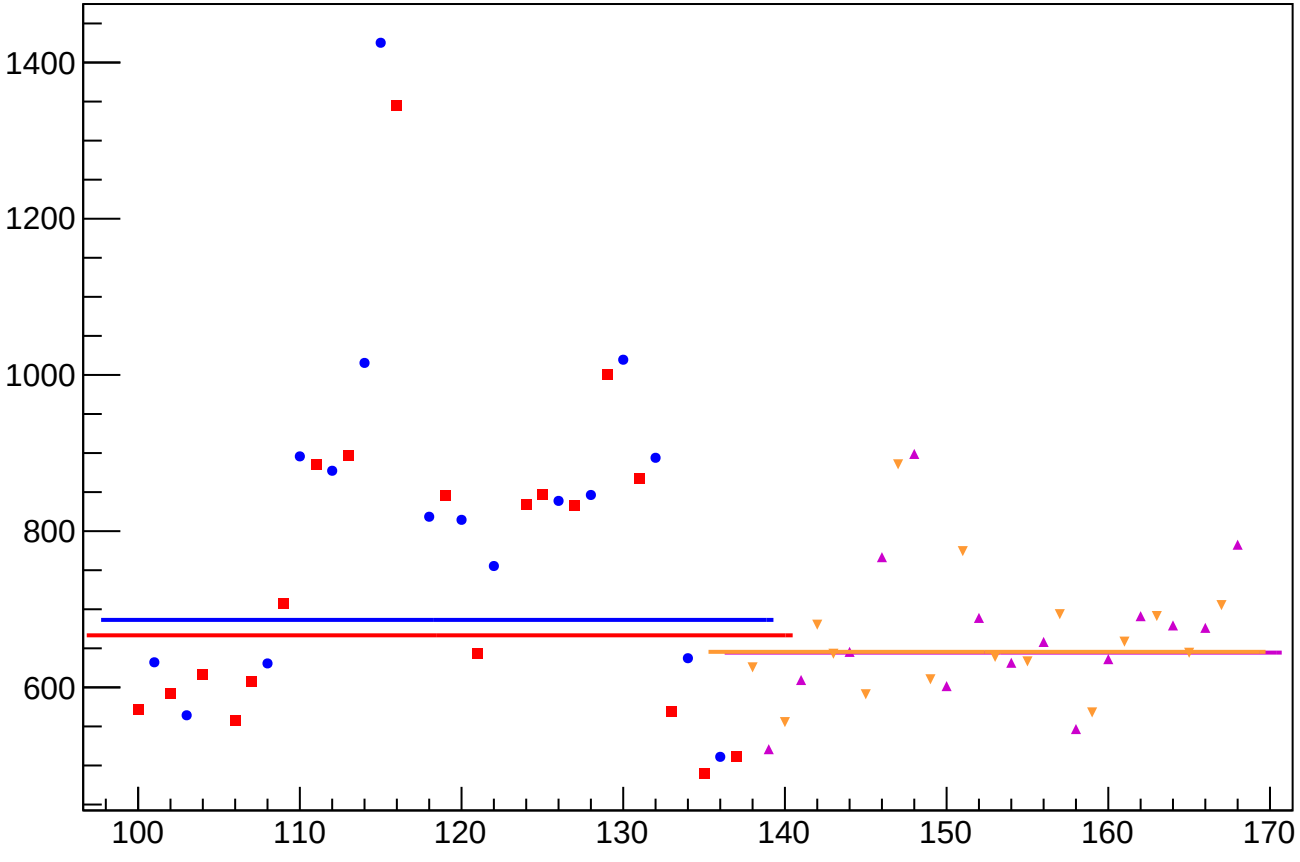
Left In: -1.930+/-185.266 χ^2/NDF:25.6/14

+ sign -201.738+/-150.331 χ^2/NDF: 30.2/31

All: -184.664+/-105.872 χ^2/NDF: 77.6/65

- sign -167.862+/-149.128 χ^2/NDF: 47.3/33

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 645.501+/-0.130 χ^2/NDF:290952.3/15

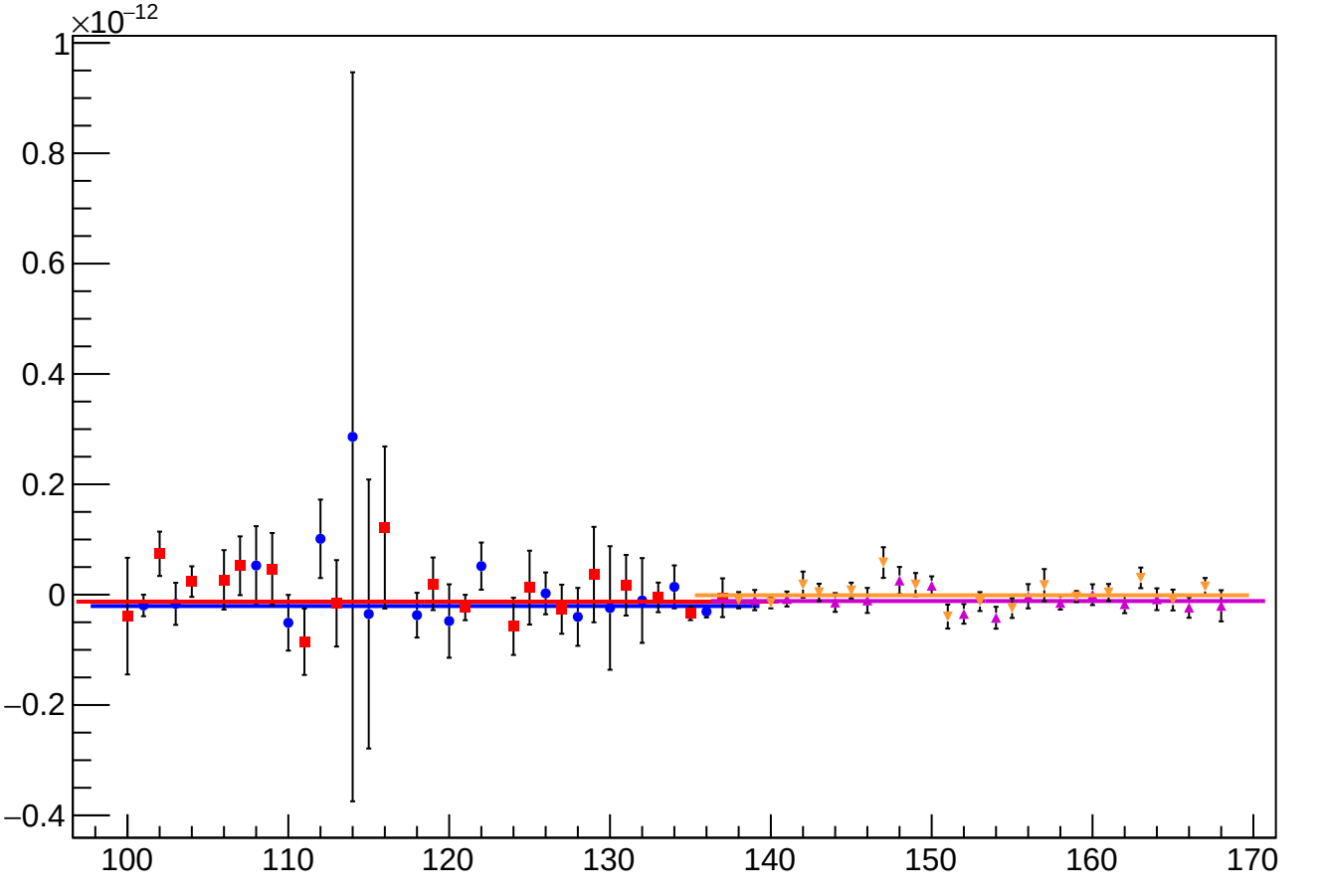
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 644.517+/-0.131 χ^2/NDF:415863.8/14

+ sign 658.930+/-0.106 χ^2/NDF: 1073046.7/31

All: 655.590+/-0.075 χ^2/NDF: 2277938.3/65

- sign 652.304+/-0.105 χ^2/NDF: 1202933.2/33



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

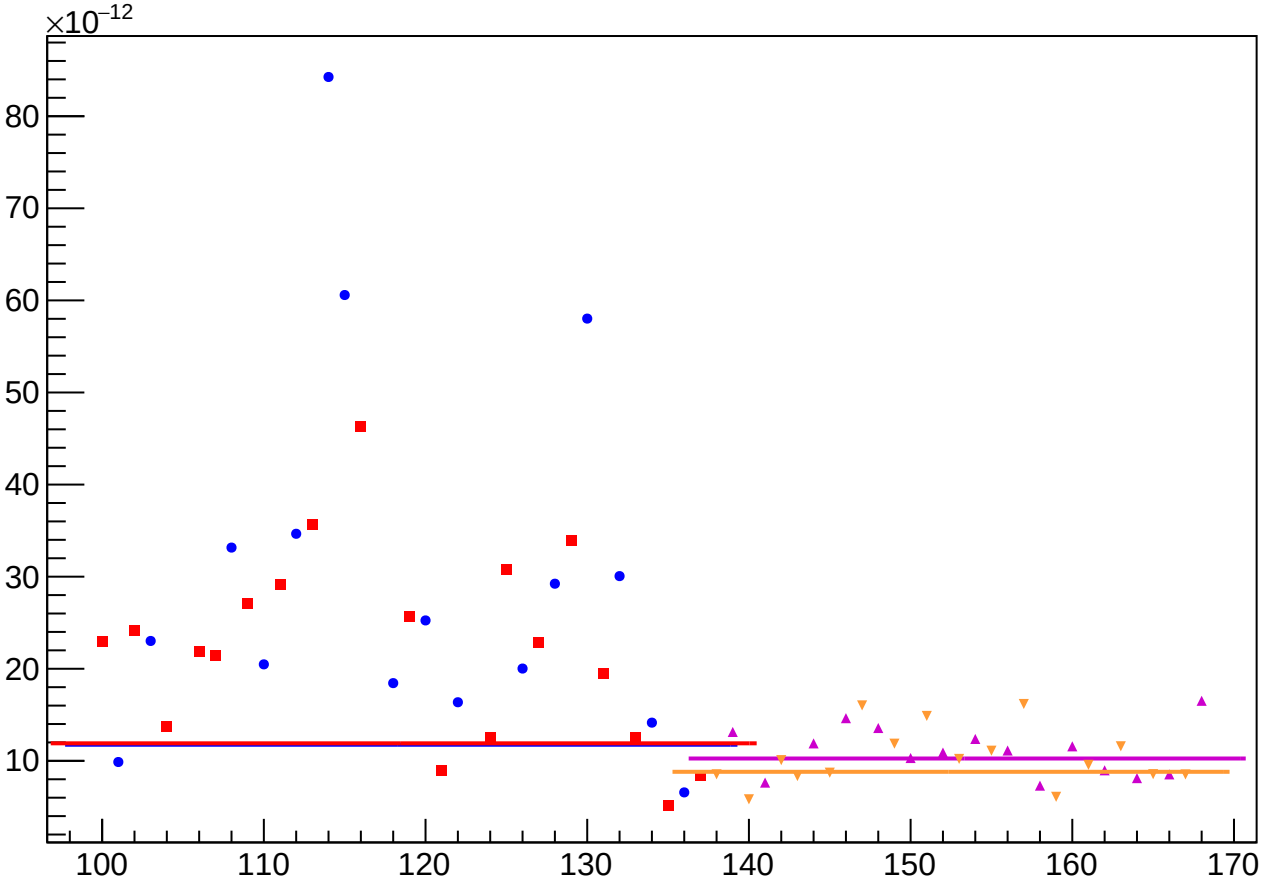
Left In: -0.000+/-0.000 χ^2/NDF:10.4/14

+ sign -0.000+/-0.000 χ^2/NDF: 33.6/31

All: -0.000+/-0.000 χ^2/NDF: 62.7/65

- sign -0.000+/-0.000 χ^2/NDF: 27.5/33

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:890854.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

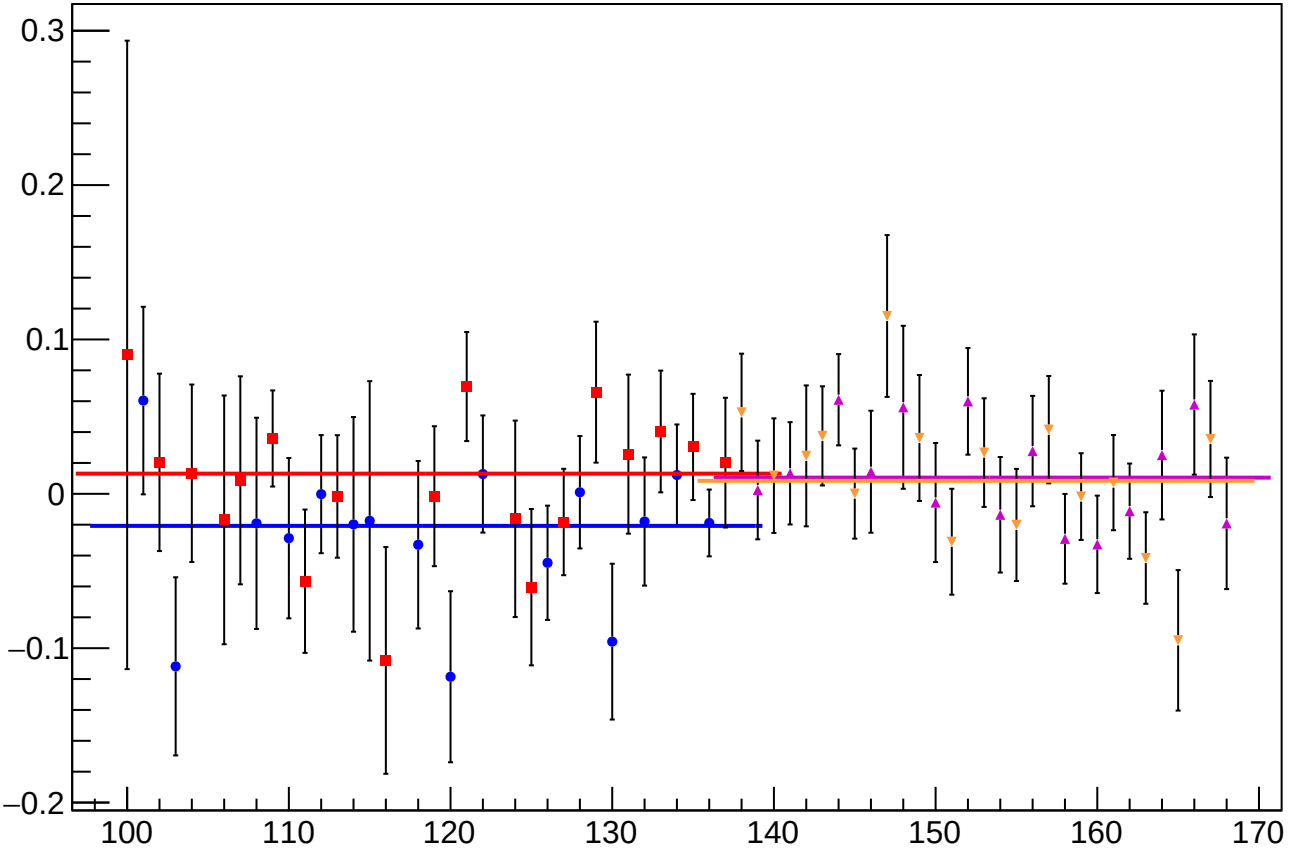
Left In: 0.000+/-0.000 χ^2/NDF:559155.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 3276298.0/31

All: 0.000+/-0.000 χ^2/NDF: 6215018.0/65

- sign 0.000+/-0.000 χ^2/NDF: 2827113.6/33

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: 0.008+/-0.009 χ^2/NDF:18.8/15

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

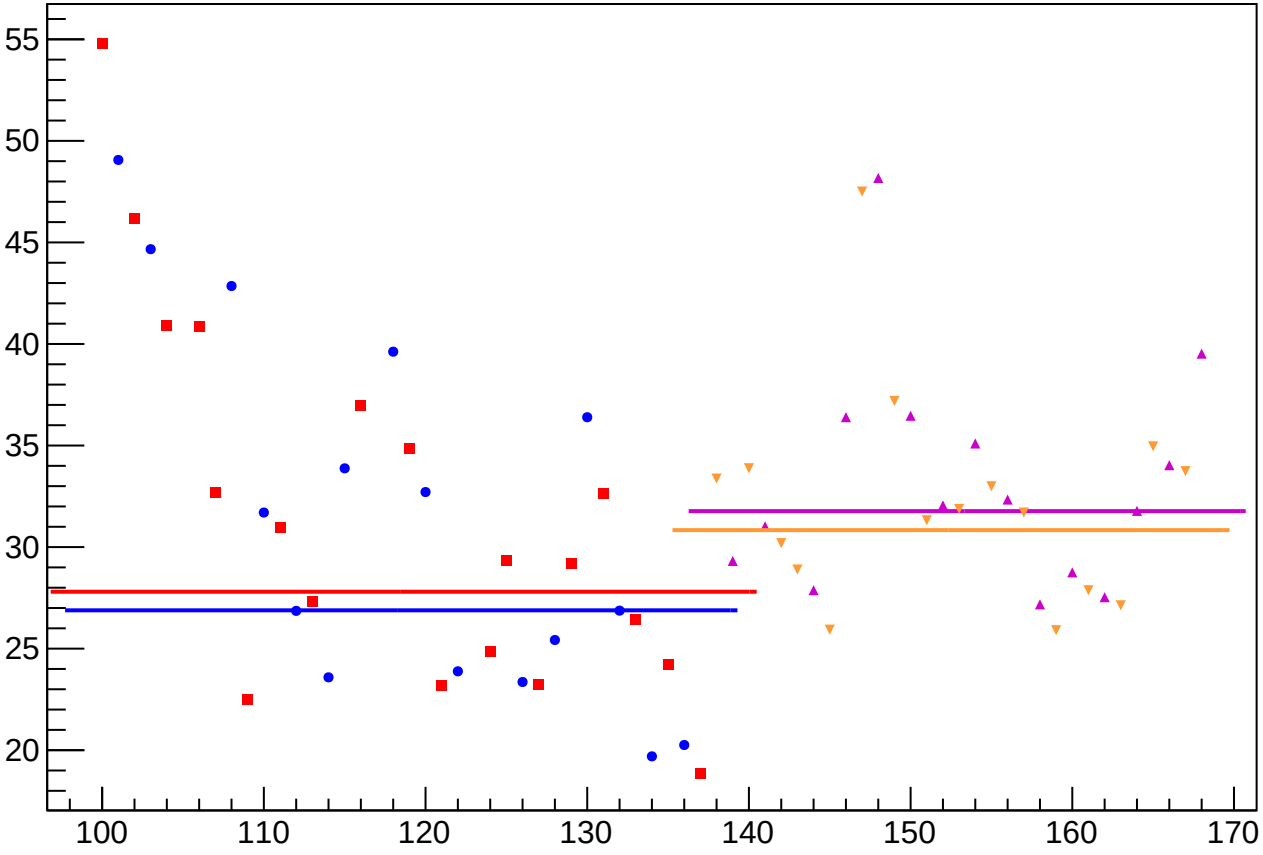
Left In: 0.010+/-0.009 χ^2/NDF:12.5/14

+ sign -0.004+/-0.007 χ^2/NDF: 35.9/31

All: 0.004+/-0.005 χ^2/NDF: 64.8/65

- sign 0.012+/-0.007 χ^2/NDF: 26.5/33

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: 30.834+/-0.006 χ^2/NDF:487445.5/15

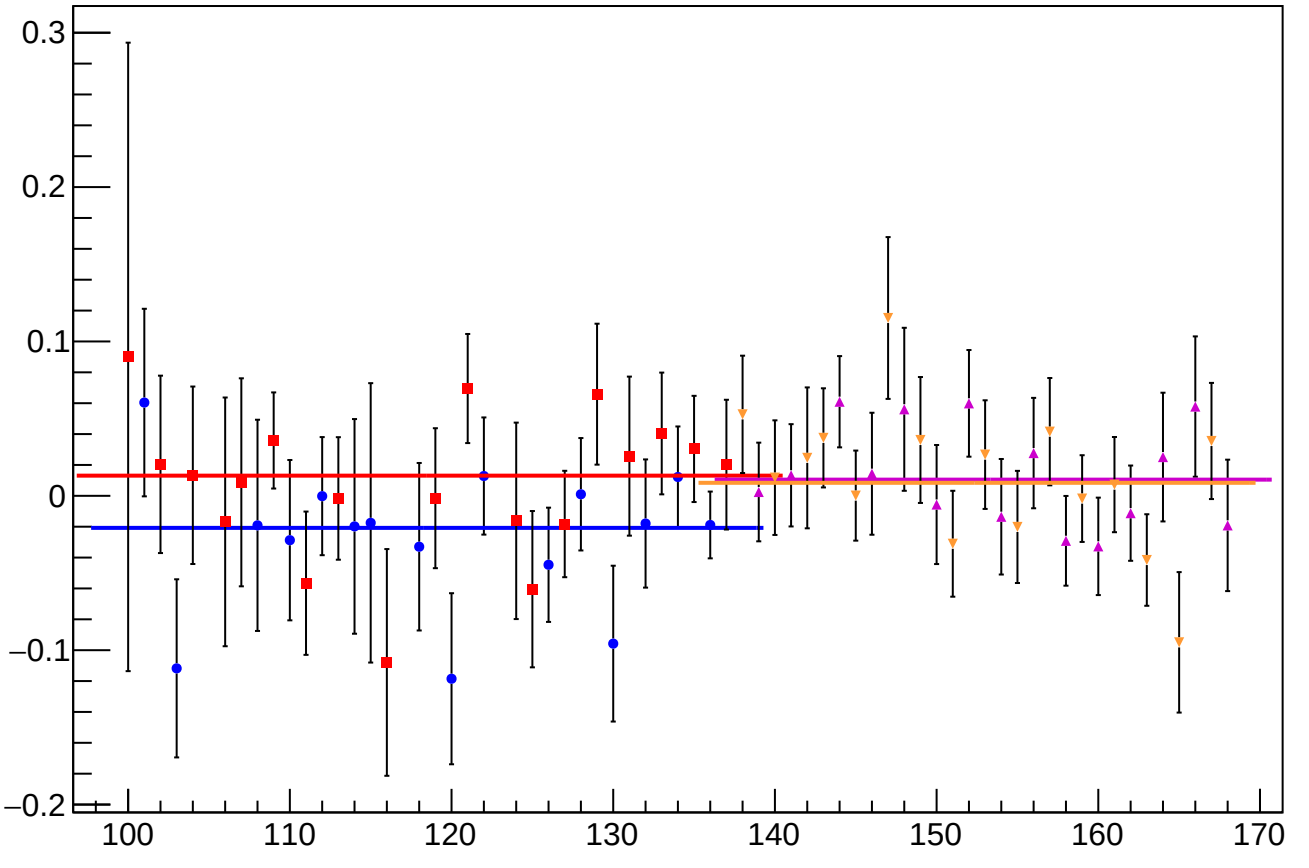
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.771+/-0.006 χ^2/NDF:491248.9/14

+ sign 29.205+/-0.005 χ^2/NDF: 1773835.6/31

All: 29.623+/-0.003 χ^2/NDF: 3205228.4/65

- sign 30.061+/-0.005 χ^2/NDF: 1415725.3/33



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.008+/-0.009 χ^2/NDF:18.8/15

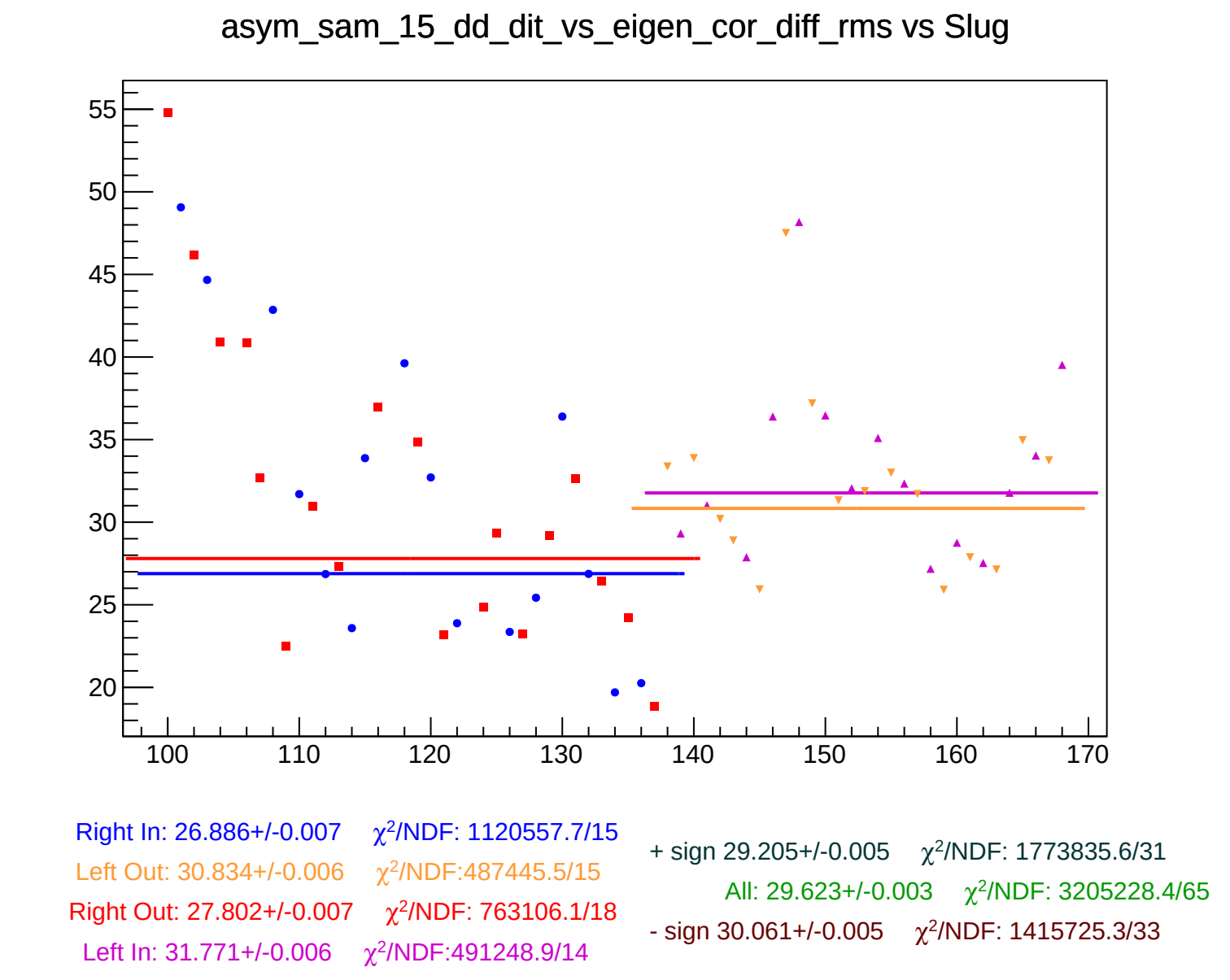
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.009 χ^2/NDF:12.5/14

+ sign -0.004+/-0.007 χ^2/NDF: 35.9/31

All: 0.004+/-0.005 χ^2/NDF: 64.8/65

- sign 0.012+/-0.007 χ^2/NDF: 26.5/33


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug
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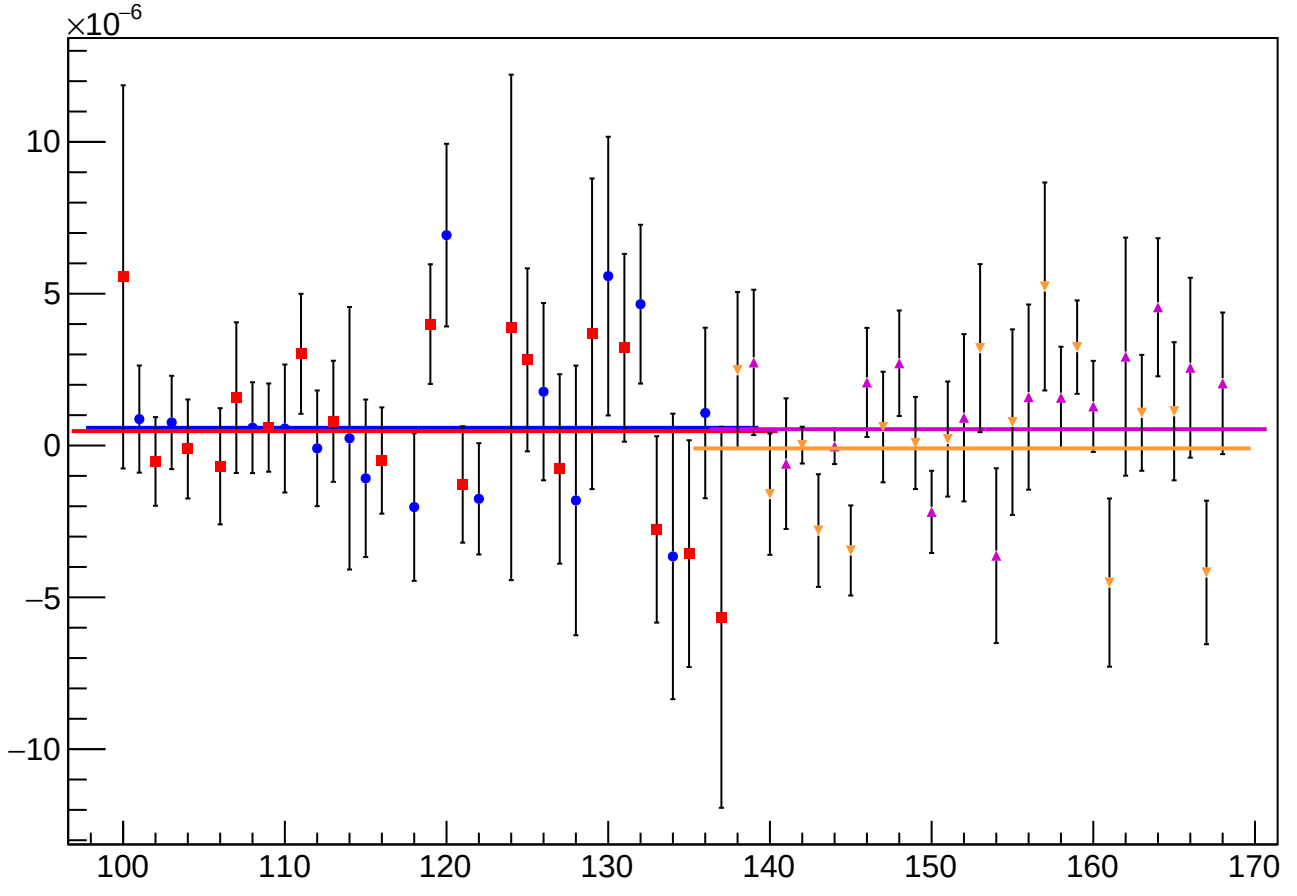
35
30
25
20
100
110
120
130
140
150
160
170
Right In: 26.886+/-0.007 χ²/NDF: 1120557.7/15
Left Out: 30.834+/-0.006 χ²/NDF:487445.5/15
Right Out: 27.802+/-0.007 χ²/NDF: 763106.1/18
Left In: 31.771+/-0.006 χ²/NDF:491248.9/14
+ sign 29.205+/-0.005 χ²/NDF: 1773835.6/31
All: 29.623+/-0.003 χ²/NDF: 3205228.4/65
- sign 30.061+/-0.005 χ²/NDF: 1415725.3/33



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/15

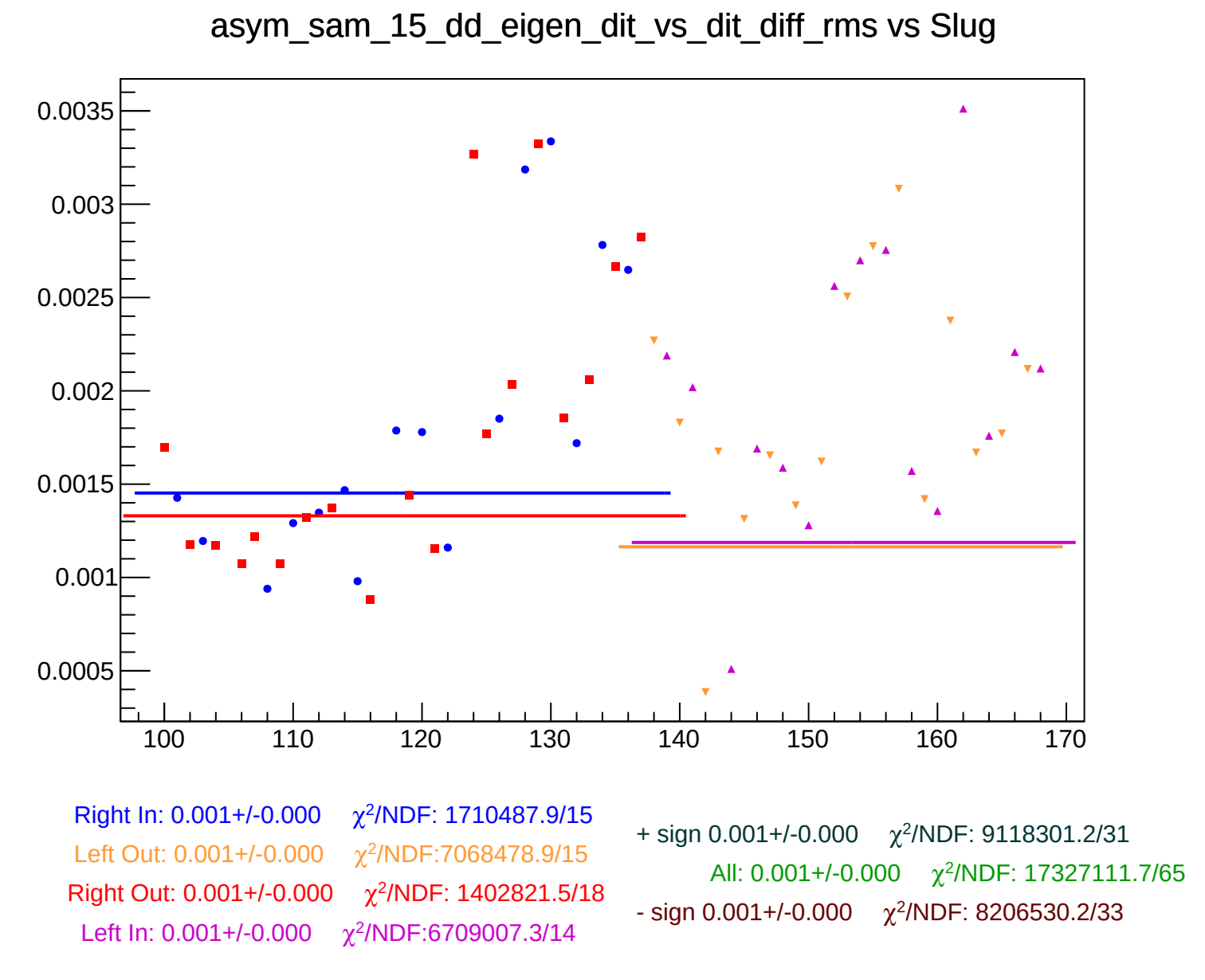
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

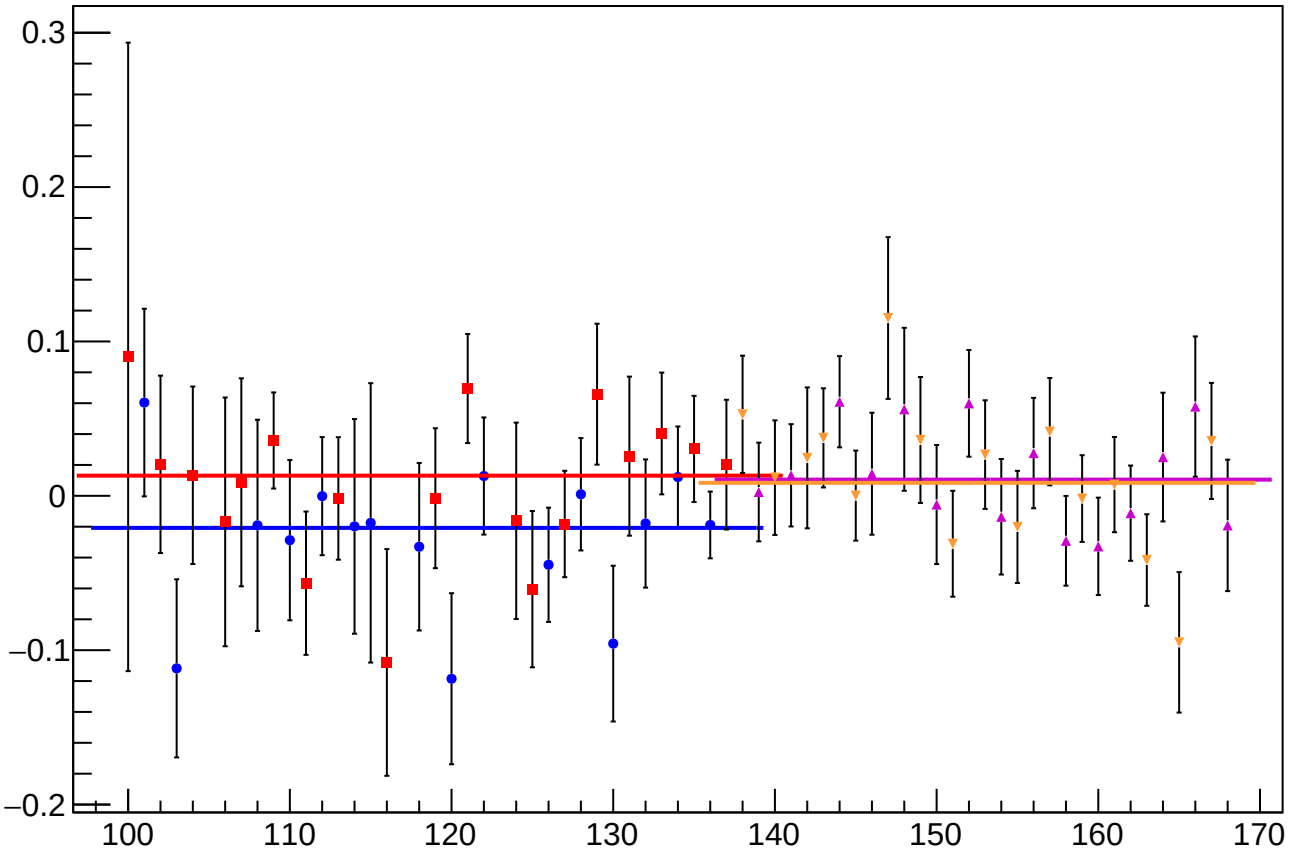
Left In: 0.000+/-0.000 χ^2/NDF:15.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 37.5/31

All: 0.000+/-0.000 χ^2/NDF: 67.1/65

- sign 0.000+/-0.000 χ^2/NDF: 28.8/33


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:7068478.9/15
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:6709007.3/14
+ sign 0.001+/-0.000 χ²/NDF: 9118301.2/31
All: 0.001+/-0.000 χ²/NDF: 17327111.7/65
- sign 0.001+/-0.000 χ²/NDF: 8206530.2/33



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.008+/-0.009 χ^2/NDF:18.8/15

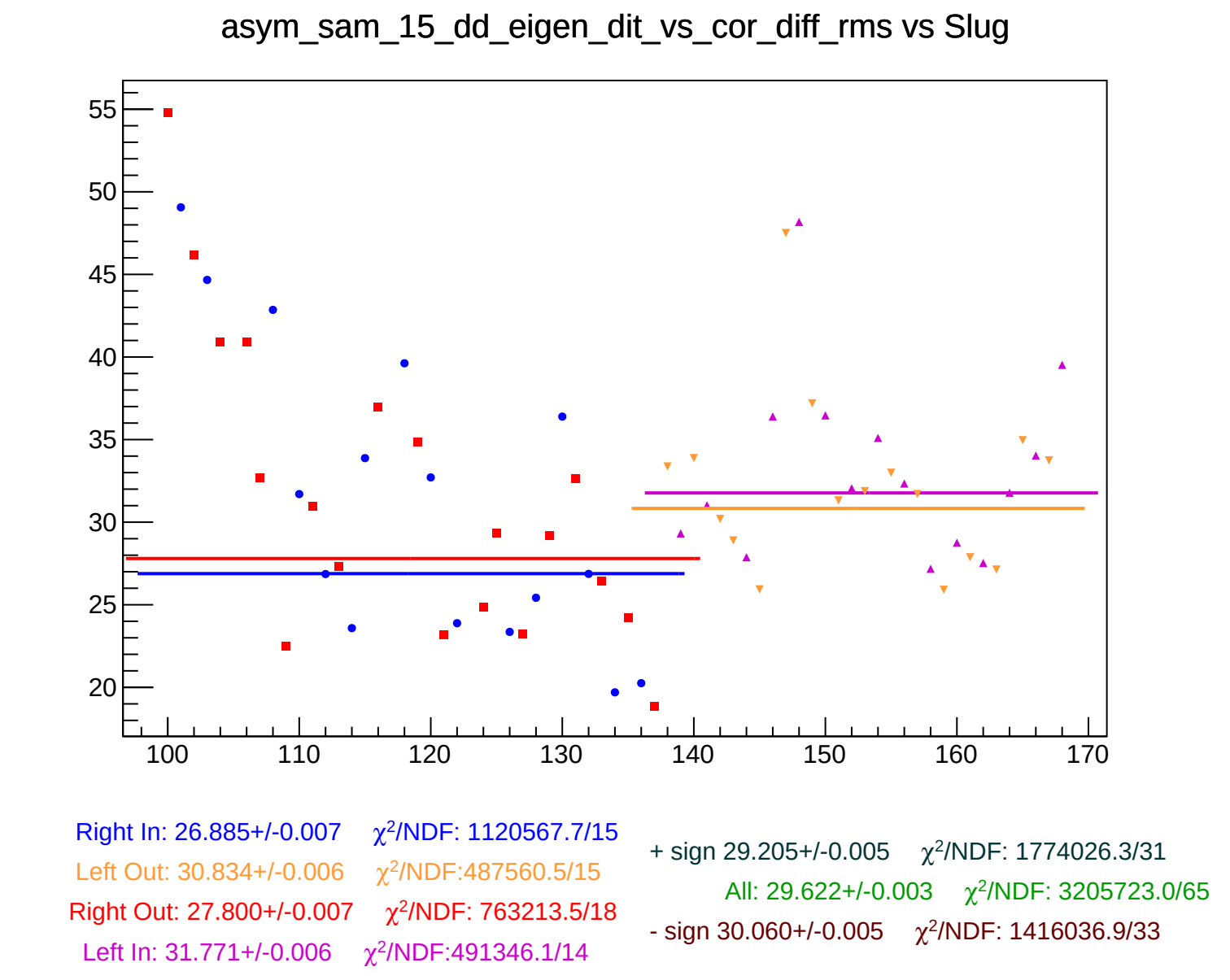
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.009 χ^2/NDF:12.5/14

+ sign -0.004+/-0.007 χ^2/NDF: 35.9/31

All: 0.004+/-0.005 χ^2/NDF: 64.8/65

- sign 0.012+/-0.007 χ^2/NDF: 26.5/33


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug
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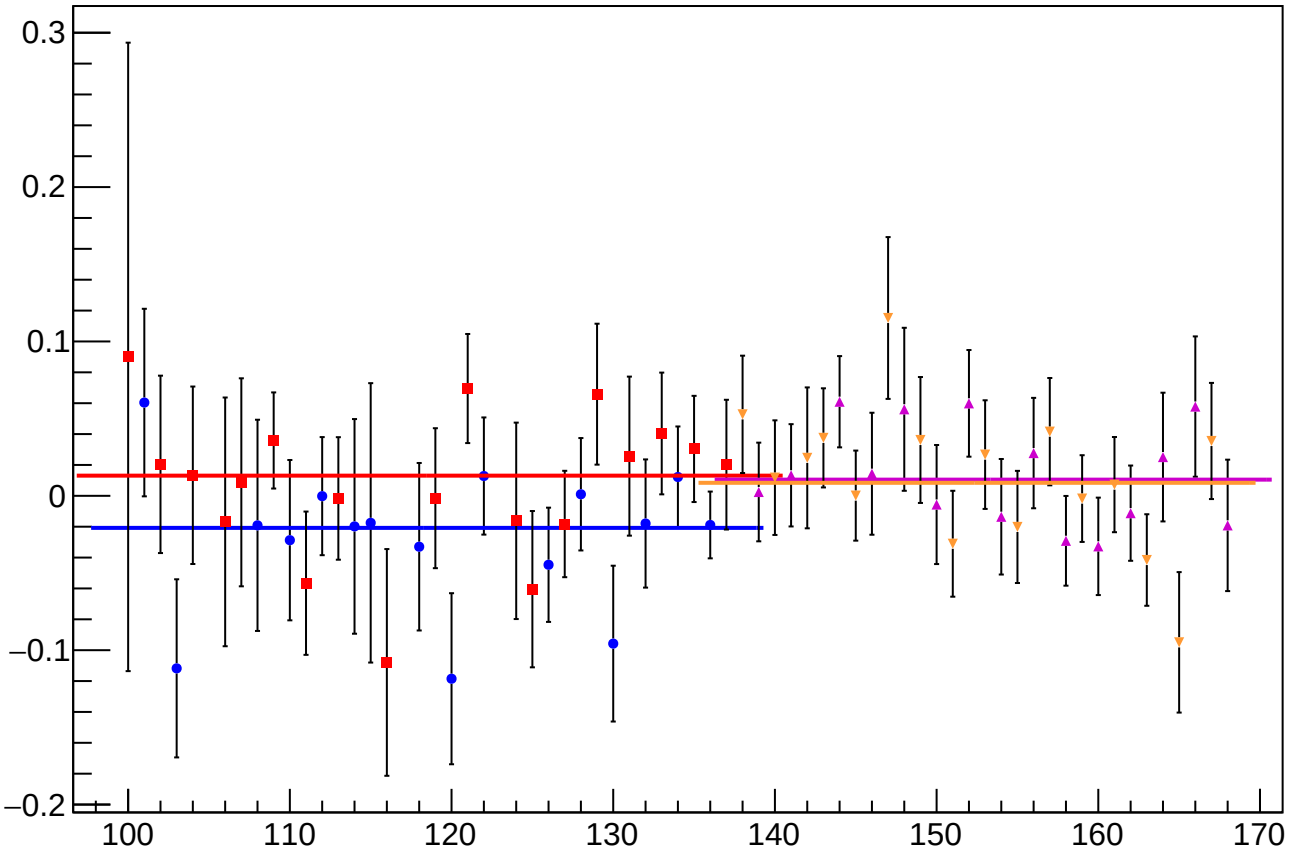
160
170
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 30.834+/-0.006 χ²/NDF:487560.5/15
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 31.771+/-0.006 χ²/NDF:491346.1/14
+ sign 29.205+/-0.005 χ²/NDF: 1774026.3/31
All: 29.622+/-0.003 χ²/NDF: 3205723.0/65
- sign 30.060+/-0.005 χ²/NDF: 1416036.9/33



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.008+/-0.009 χ^2/NDF:18.8/15

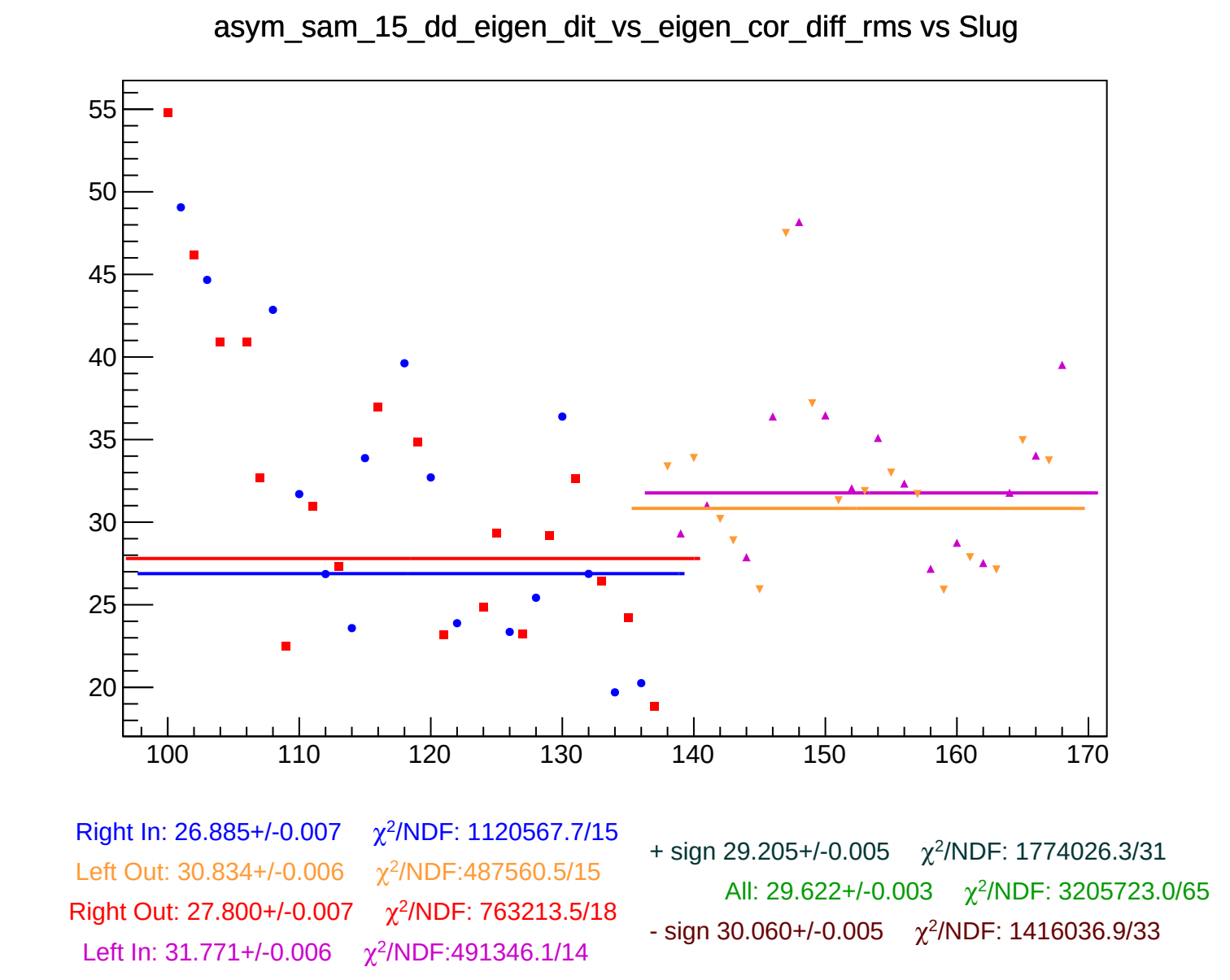
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

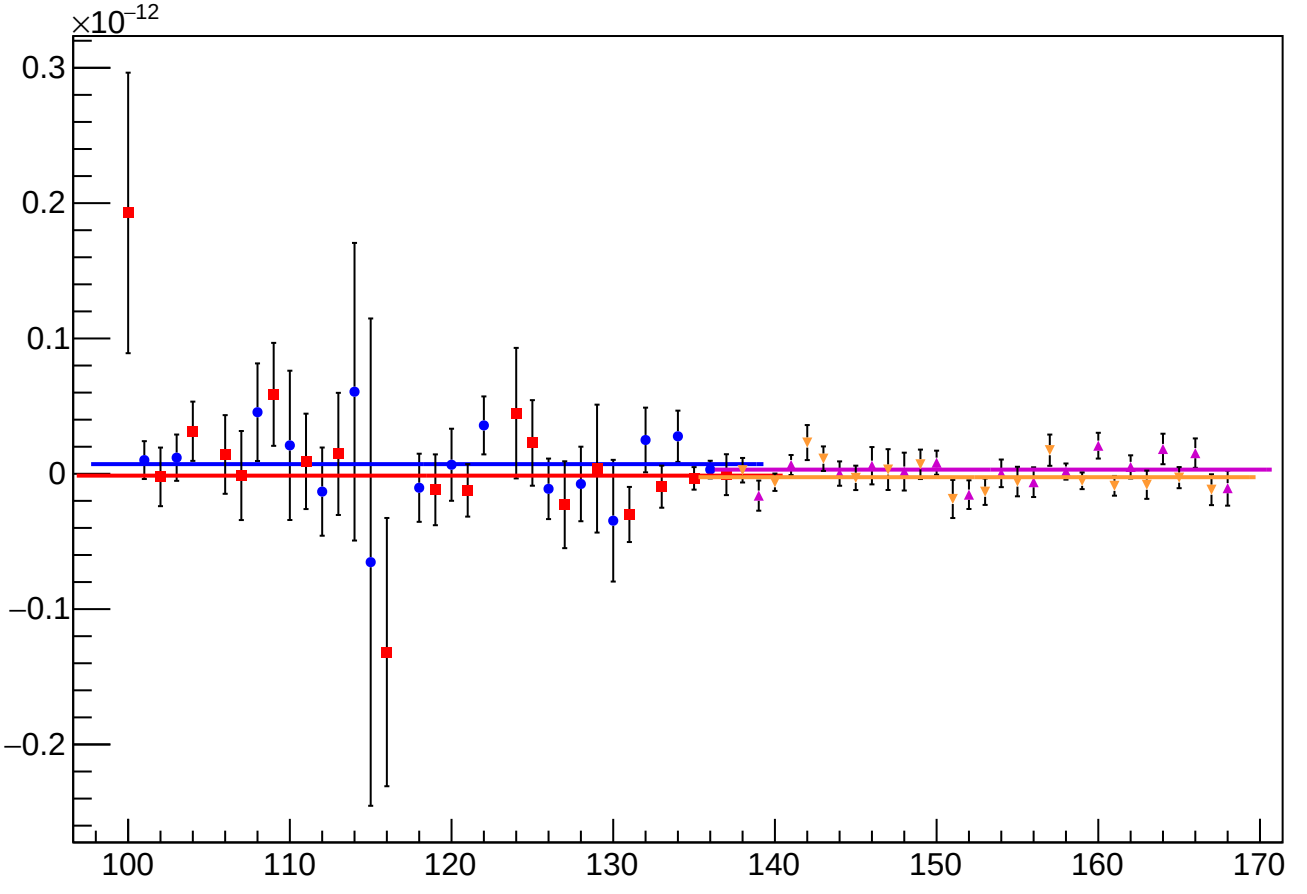
Left In: 0.010+/-0.009 χ^2/NDF:12.5/14

+ sign -0.004+/-0.007 χ^2/NDF: 35.9/31

All: 0.004+/-0.005 χ^2/NDF: 64.8/65

- sign 0.012+/-0.007 χ^2/NDF: 26.5/33


asym_sam_15_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: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 30.834+/-0.006 χ²/NDF:487560.5/15
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 31.771+/-0.006 χ²/NDF:491346.1/14
+ sign 29.205+/-0.005 χ²/NDF: 1774026.3/31
All: 29.622+/-0.003 χ²/NDF: 3205723.0/65
- sign 30.060+/-0.005 χ²/NDF: 1416036.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/15

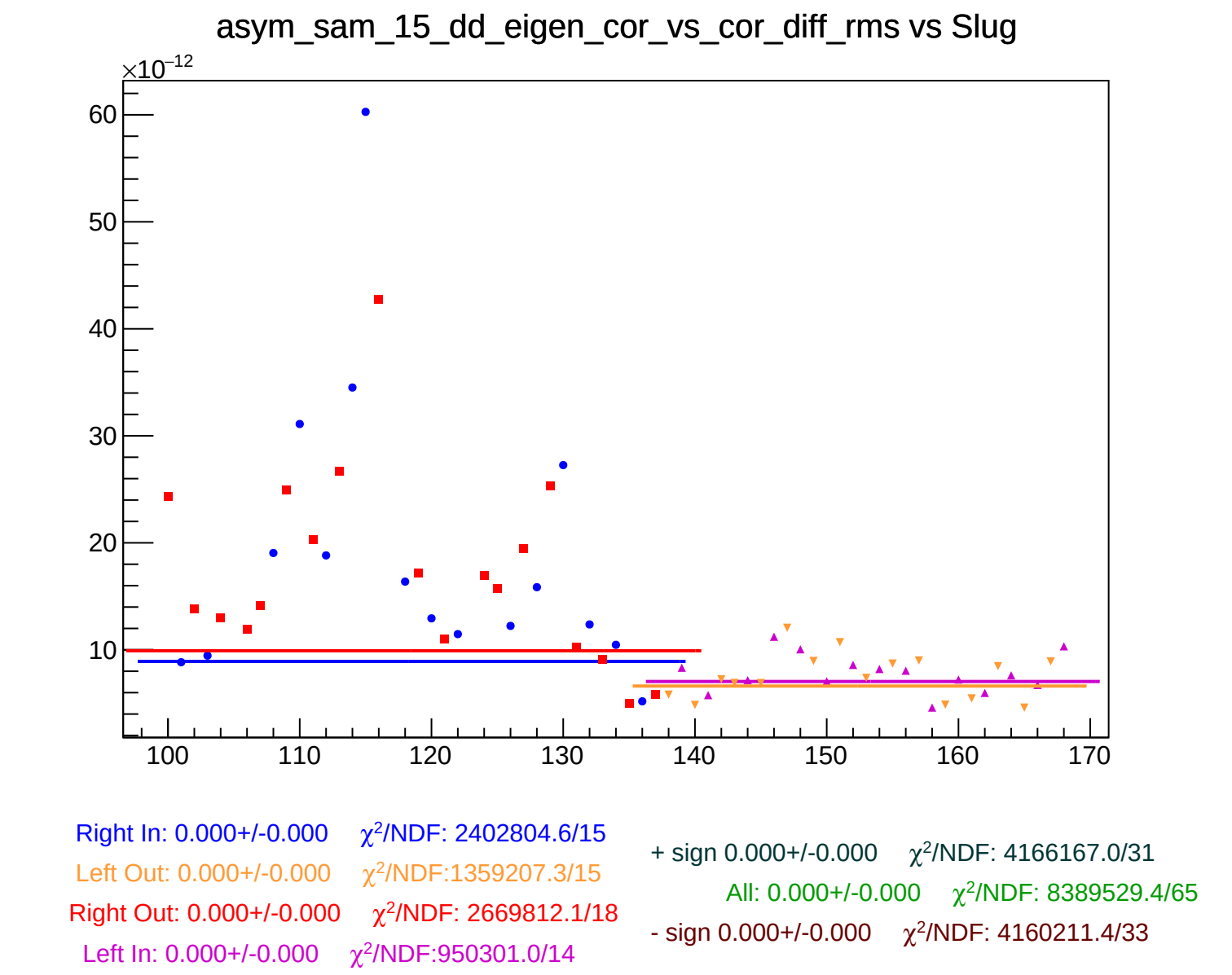
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.3/14

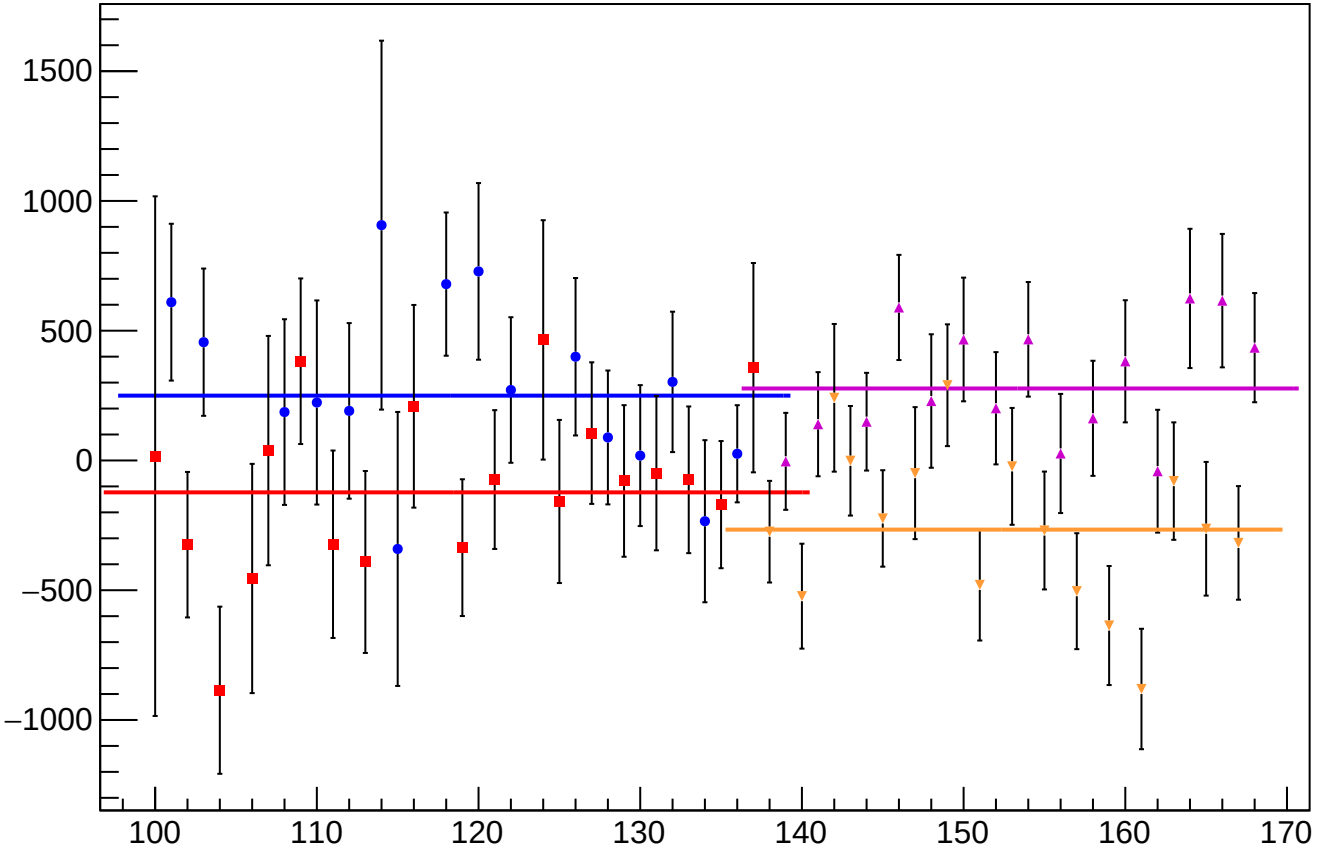
+ sign -0.000+/-0.000 χ^2/NDF: 27.1/31

All: 0.000+/-0.000 χ^2/NDF: 59.1/65

- sign 0.000+/-0.000 χ^2/NDF: 31.2/33


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:1359207.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:950301.0/14
+ sign 0.000+/-0.000 χ²/NDF: 4166167.0/31
All: 0.000+/-0.000 χ²/NDF: 8389529.4/65
- sign 0.000+/-0.000 χ²/NDF: 4160211.4/33

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -266.471+/-55.739 χ^2/NDF:26.4/15

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

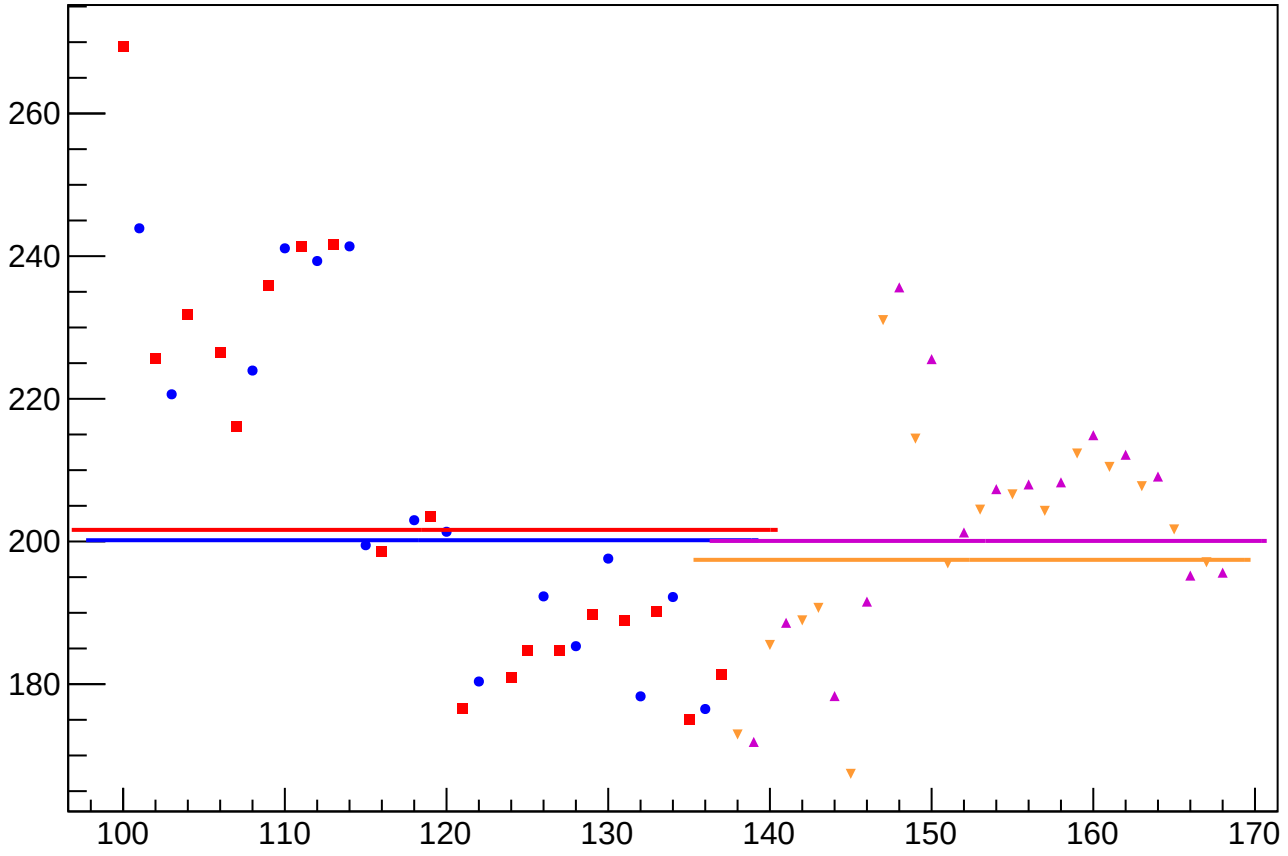
Left In: 277.318+/-57.022 χ^2/NDF:14.5/14

+ sign -82.406+/-44.711 χ^2/NDF: 70.8/31

All: 22.080+/-31.805 χ^2/NDF: 130.1/65

- sign 129.109+/-45.252 χ^2/NDF: 48.3/33

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 197.428+/-0.039 χ^2/NDF:166166.3/15

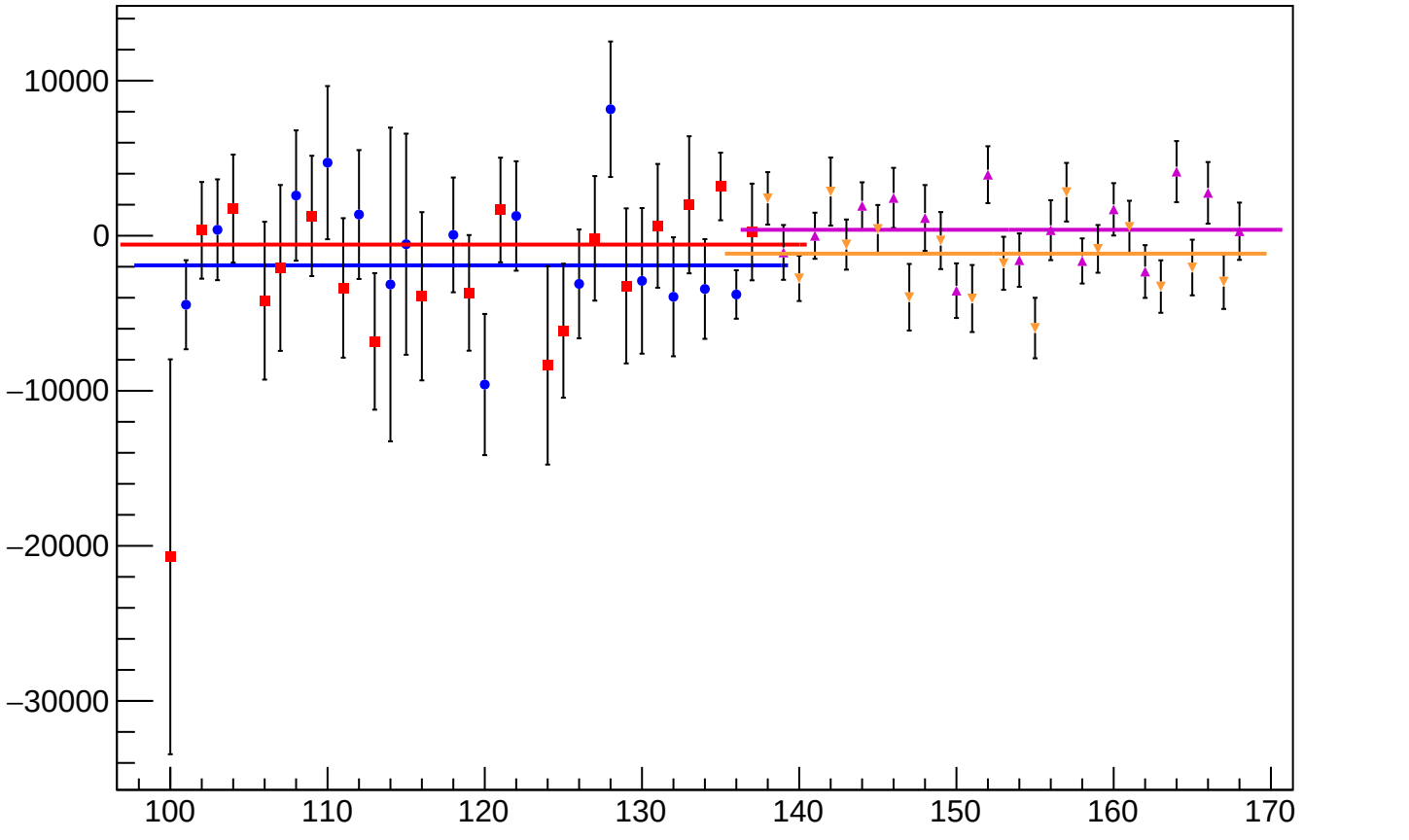
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 200.079+/-0.040 χ^2/NDF:167710.1/14

+ sign 198.408+/-0.032 χ^2/NDF: 348902.0/31

All: 199.516+/-0.022 χ^2/NDF: 716892.1/65

- sign 200.652+/-0.032 χ^2/NDF: 365501.9/33



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -1155.812+/-439.025 χ^2/NDF:28.4/15

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

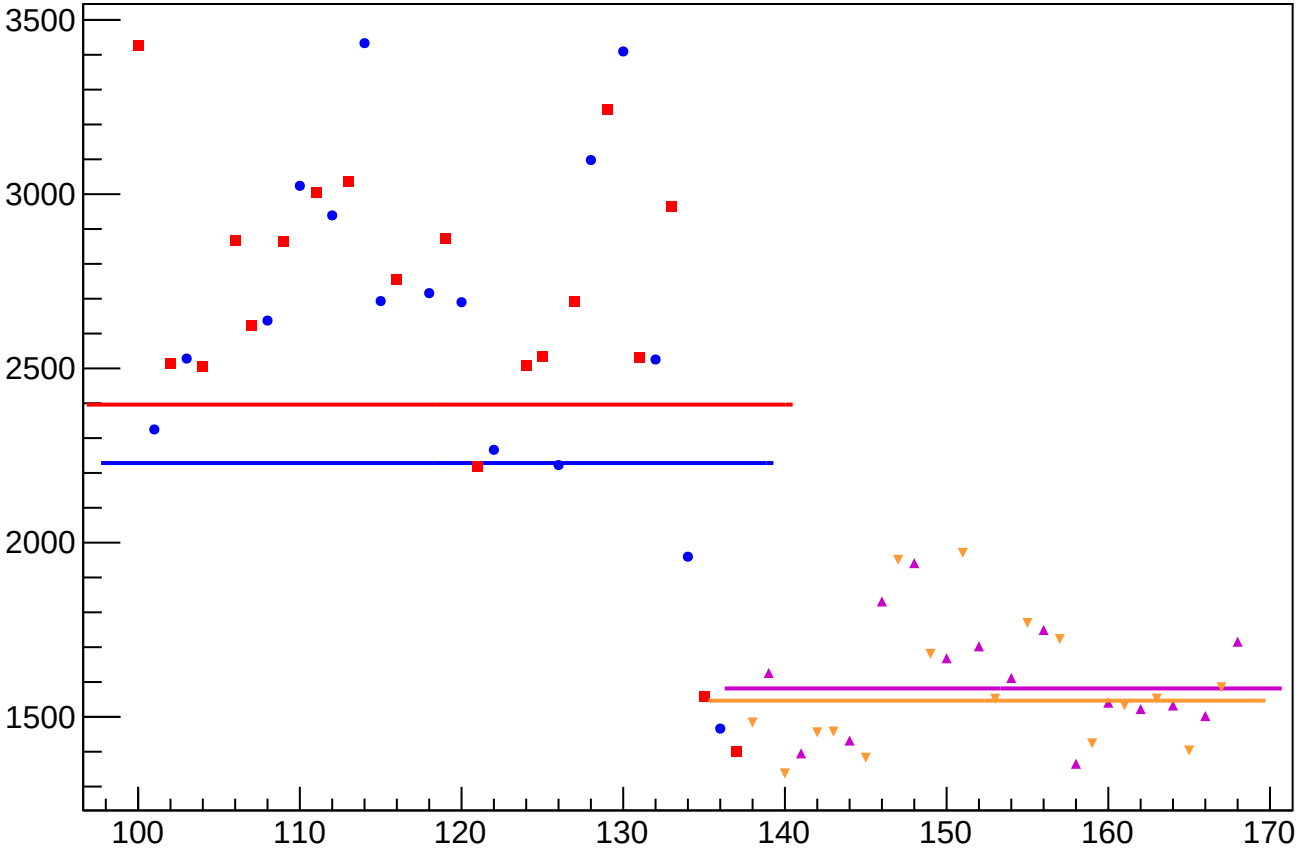
Left In: 382.806+/-452.041 χ^2/NDF:23.2/14

+ sign -1312.060+/-390.935 χ^2/NDF: 45.2/31

All: -585.296+/-280.935 χ^2/NDF: 91.1/65

- sign 190.825+/-403.992 χ^2/NDF: 38.7/33

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1546.562+/-0.310 χ^2/NDF:303919.2/15

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

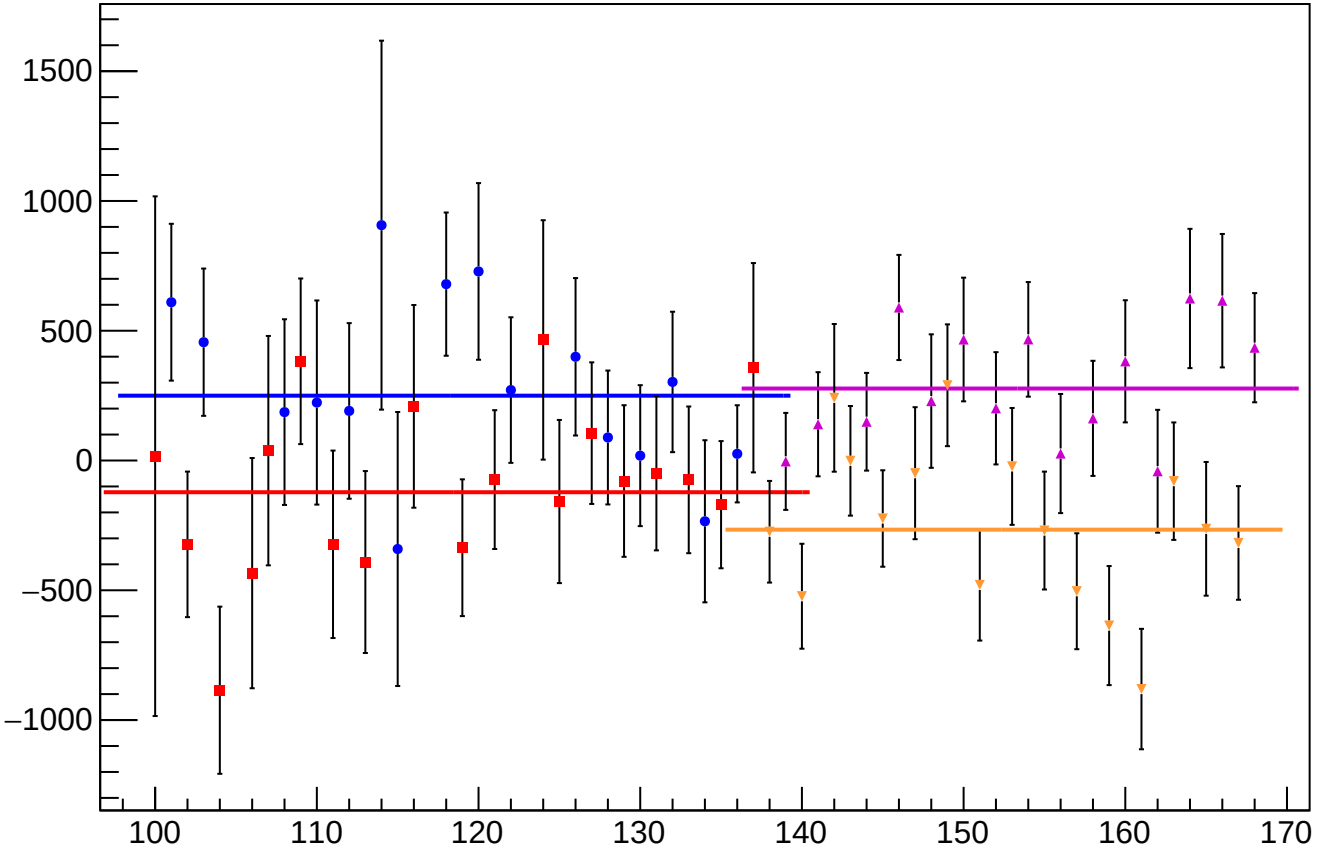
Left In: 1581.560+/-0.320 χ^2/NDF:234627.0/14

+ sign 1687.762+/-0.276 χ^2/NDF: 2250624.9/31

All: 1715.690+/-0.199 χ^2/NDF: 4612879.9/65

- sign 1745.515+/-0.286 χ^2/NDF: 2341147.4/33

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -266.465+/-55.739 χ^2/NDF:26.4/15

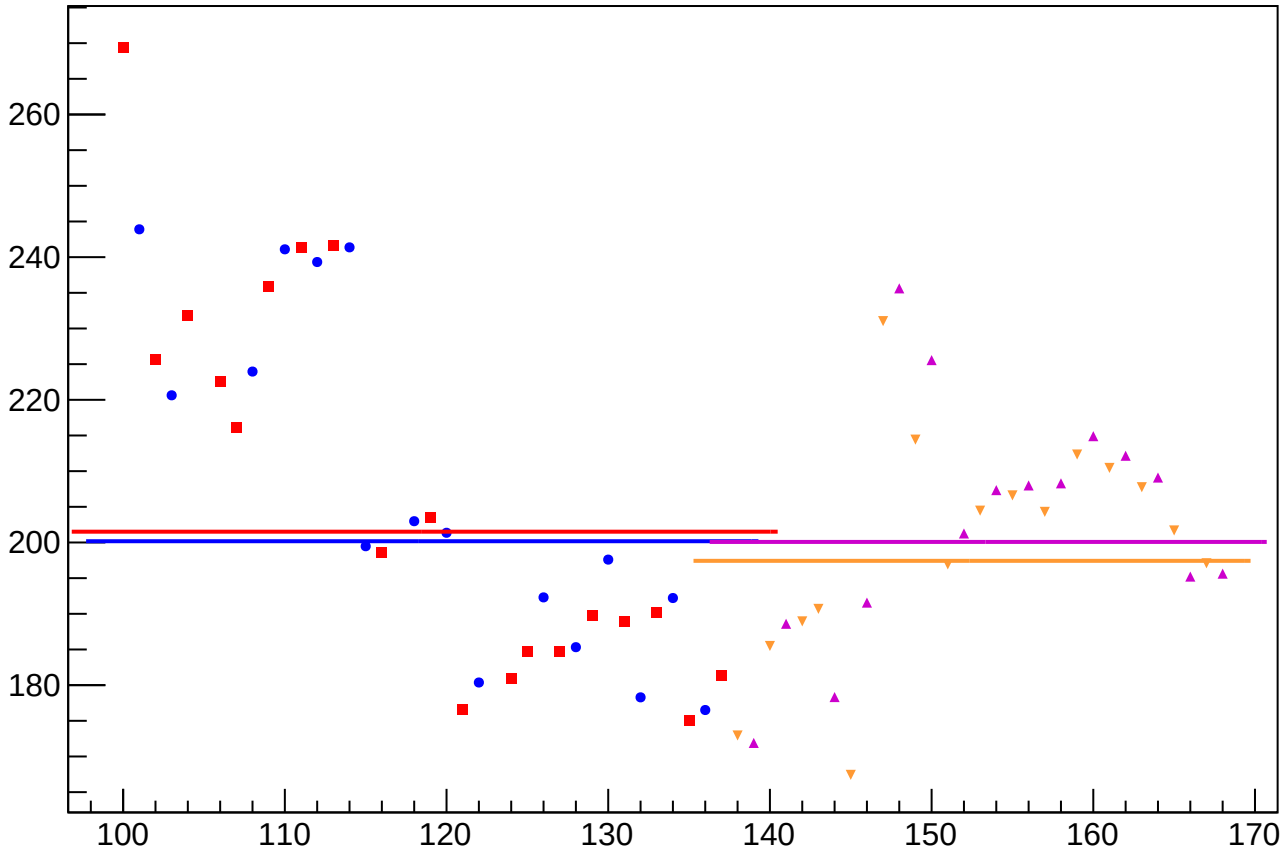
Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 277.319+/-57.022 χ^2/NDF:14.5/14

+ sign -82.401+/-44.711 χ^2/NDF: 70.8/31

All: 22.233+/-31.806 χ^2/NDF: 130.0/65

- sign 129.425+/-45.254 χ^2/NDF: 48.2/33



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.428+/-0.039 χ^2/NDF:166166.3/15

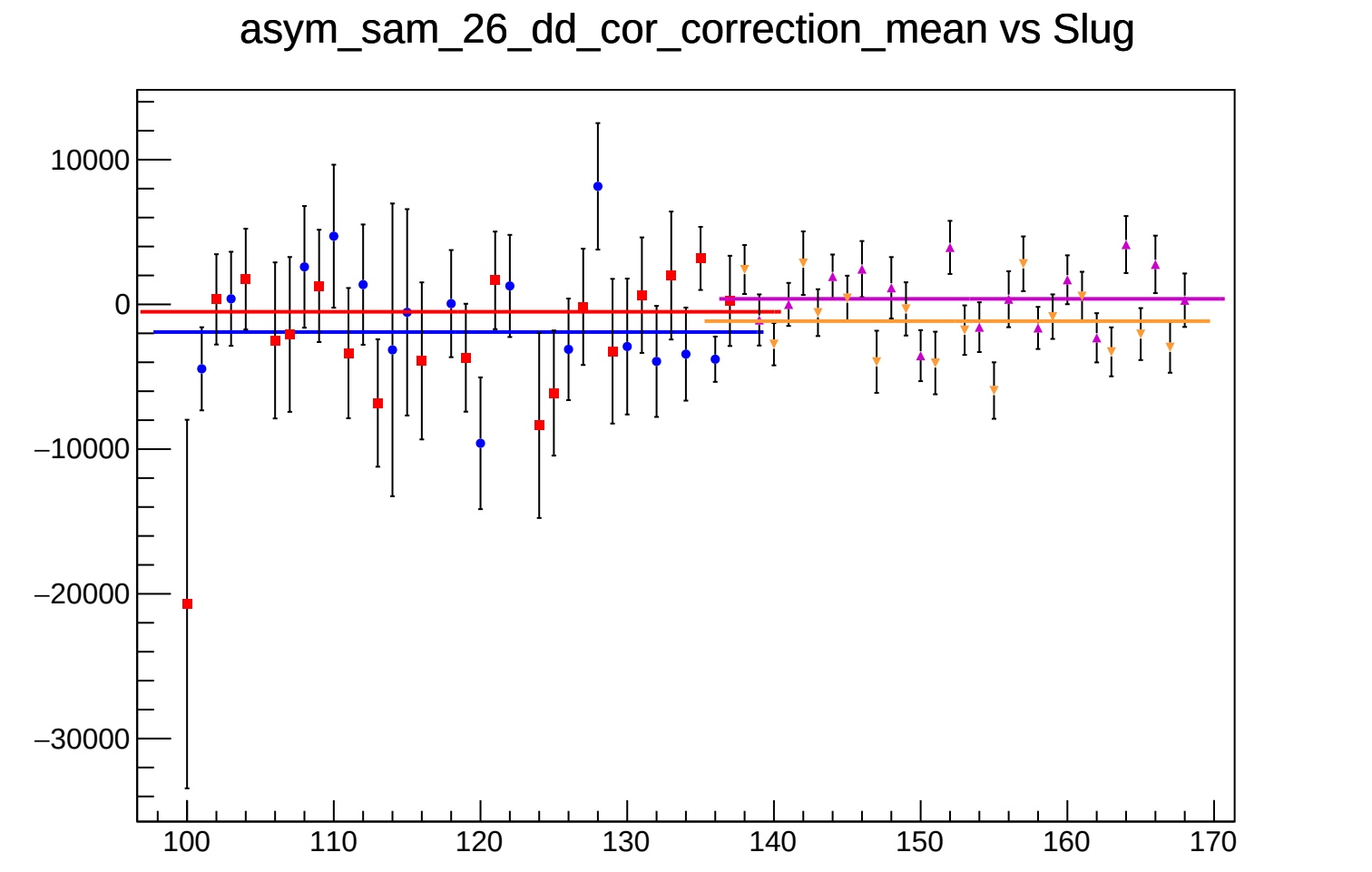
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.079+/-0.040 χ^2/NDF:167710.1/14

+ sign 198.408+/-0.032 χ^2/NDF: 348902.3/31

All: 199.496+/-0.022 χ^2/NDF: 714909.1/65

- sign 200.610+/-0.032 χ^2/NDF: 363610.7/33



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -1155.810+/-439.025 χ^2/NDF:28.4/15

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

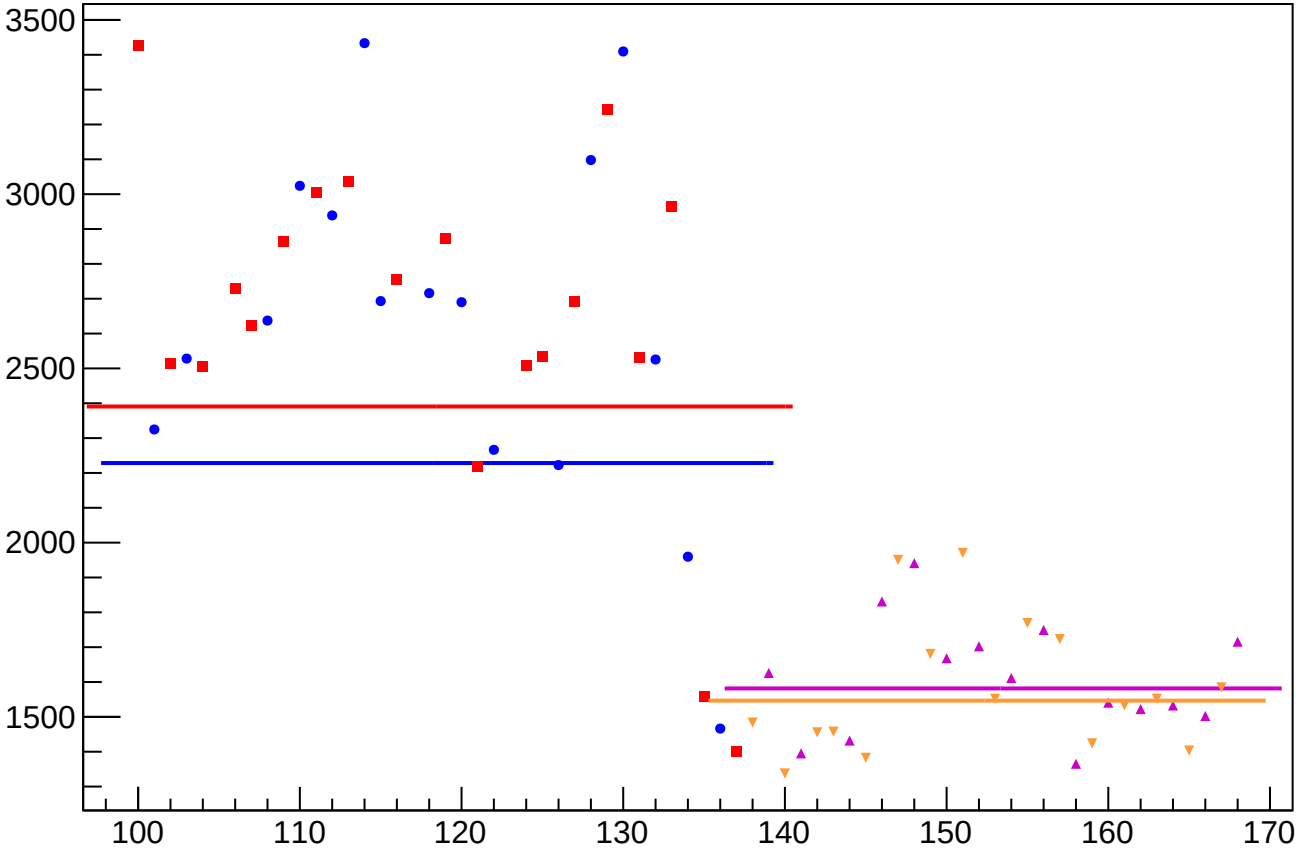
Left In: 382.800+/-452.041 χ^2/NDF:23.2/14

+ sign -1312.050+/-390.935 χ^2/NDF: 45.2/31

All: -579.508+/-280.983 χ^2/NDF: 90.7/65

- sign 203.329+/-404.133 χ^2/NDF: 38.2/33

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1546.563+/-0.310 χ^2/NDF:303919.3/15

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

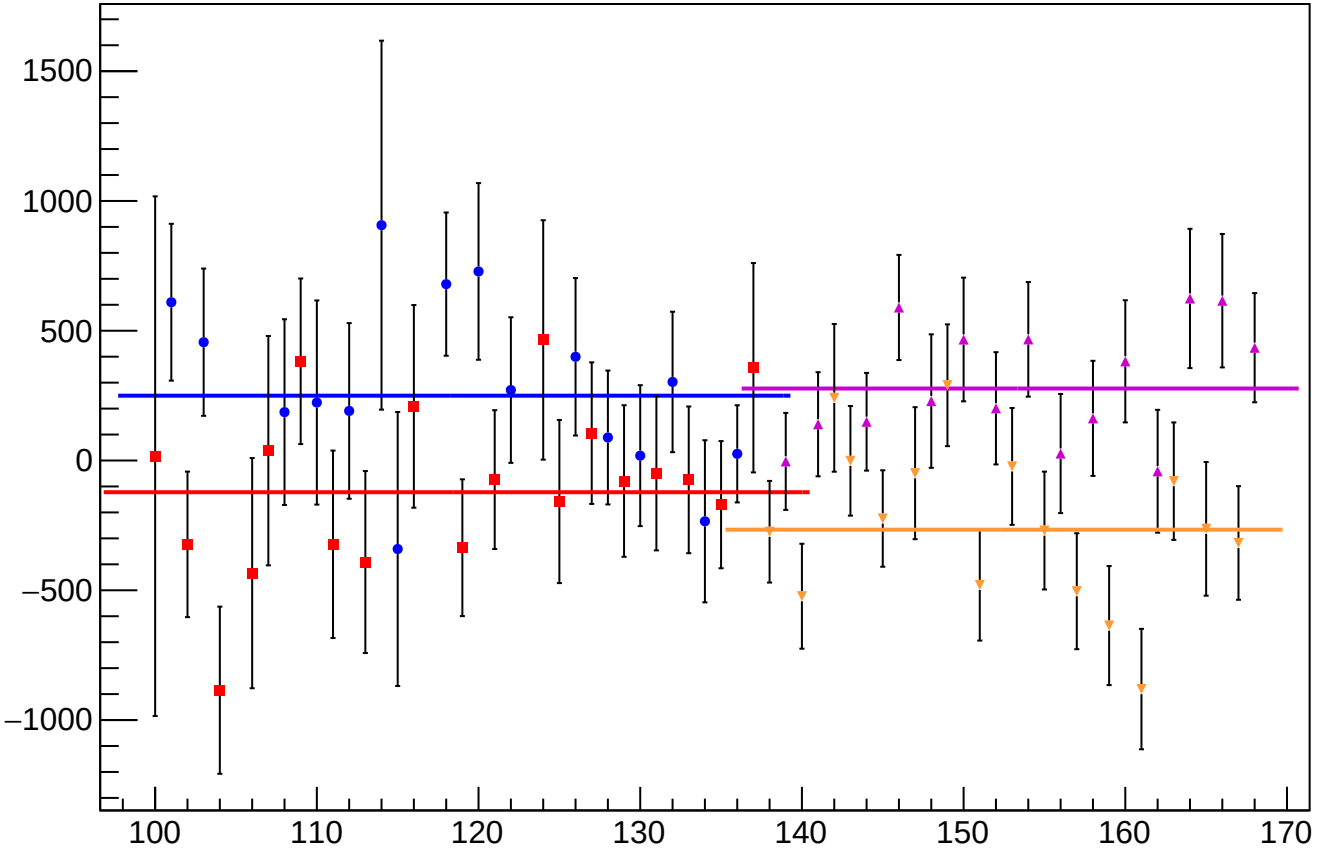
Left In: 1581.561+/-0.320 χ^2/NDF:234627.6/14

+ sign 1687.763+/-0.276 χ^2/NDF: 2250636.0/31

All: 1714.943+/-0.199 χ^2/NDF: 4581662.0/65

- sign 1743.989+/-0.286 χ^2/NDF: 2311027.2/33

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -266.465+/-55.739 χ^2/NDF:26.4/15

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

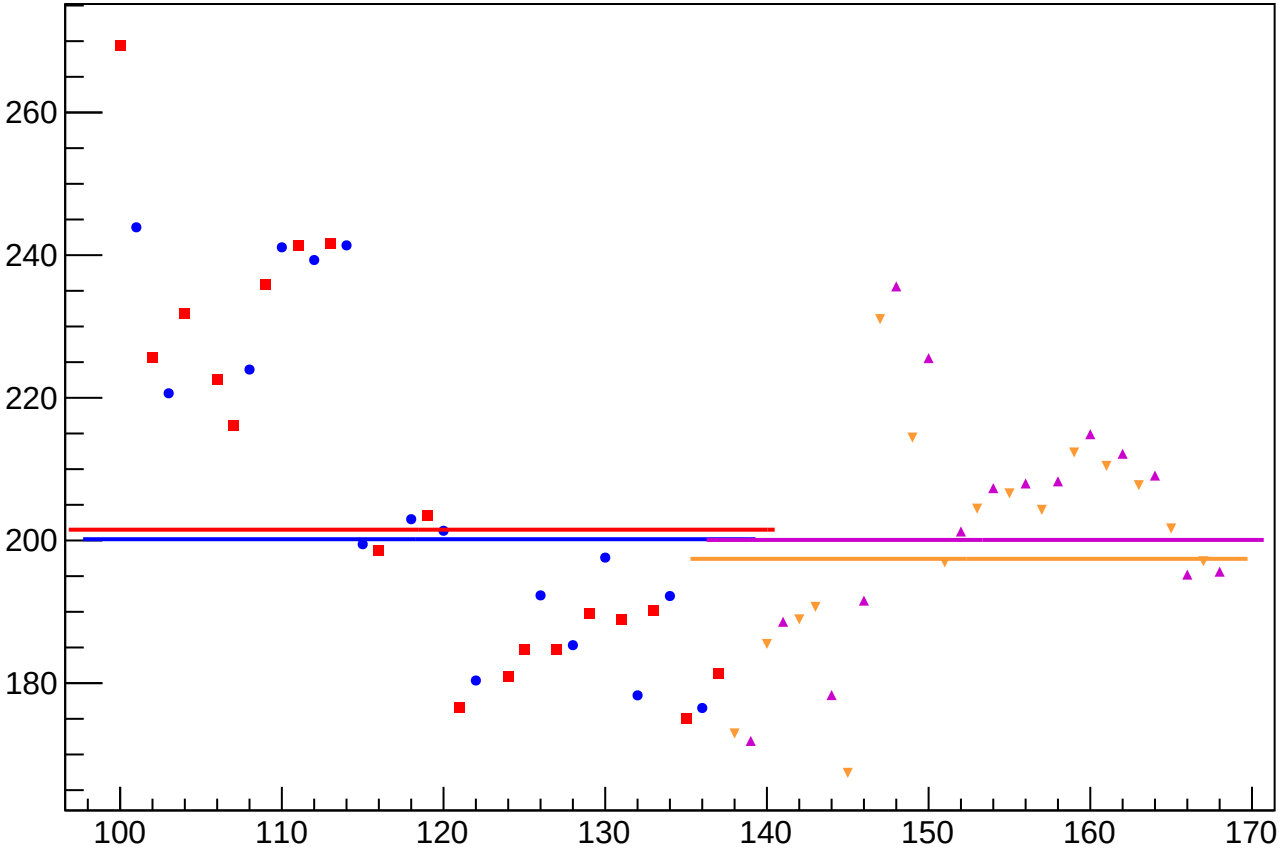
Left In: 277.319+/-57.022 χ^2/NDF:14.5/14

+ sign -82.401+/-44.711 χ^2/NDF: 70.8/31

All: 22.233+/-31.806 χ^2/NDF: 130.0/65

- sign 129.425+/-45.254 χ^2/NDF: 48.2/33

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.428+/-0.039 χ^2/NDF:166166.3/15

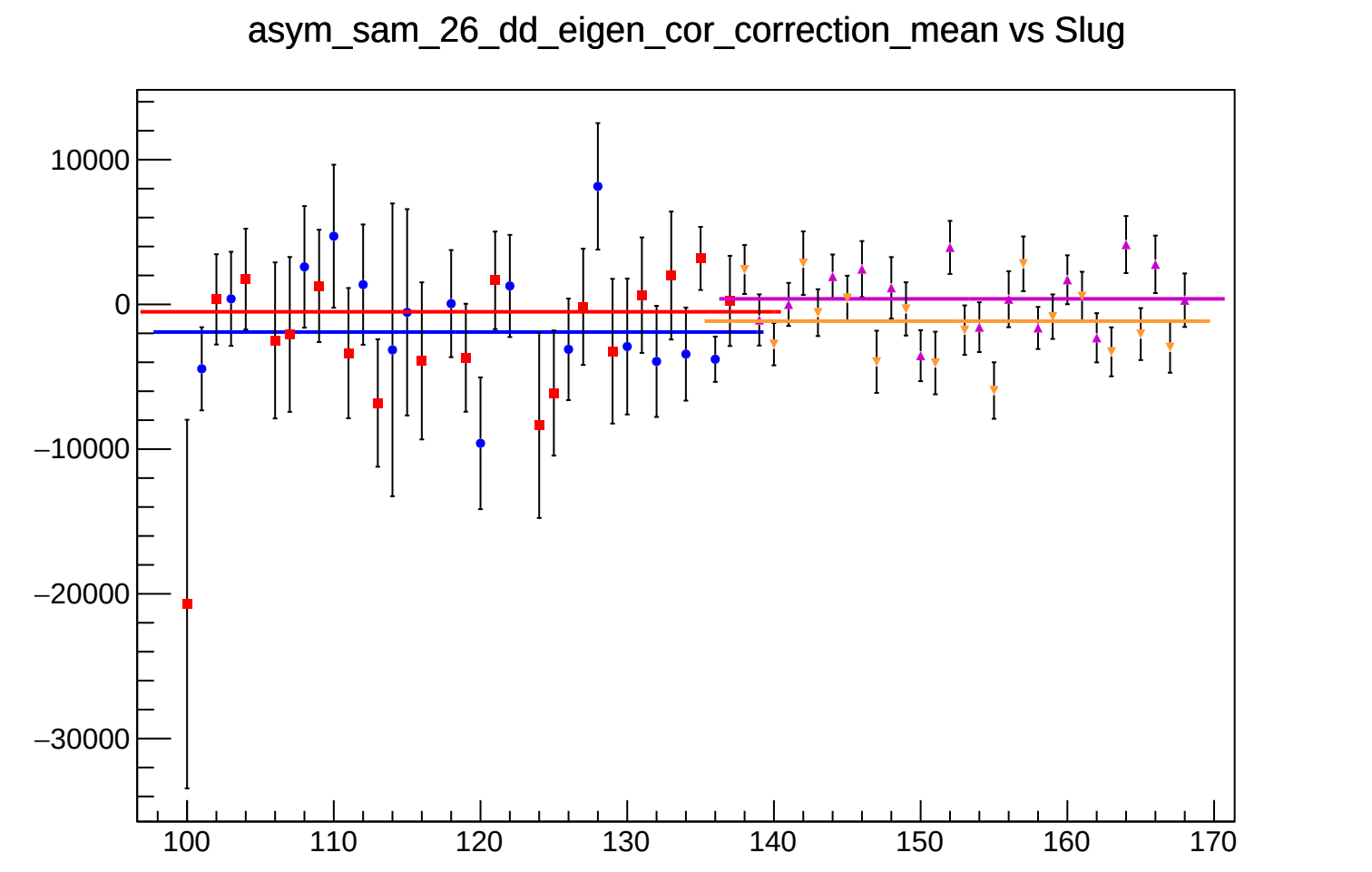
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.079+/-0.040 χ^2/NDF:167710.1/14

+ sign 198.408+/-0.032 χ^2/NDF: 348902.3/31

All: 199.496+/-0.022 χ^2/NDF: 714909.1/65

- sign 200.610+/-0.032 χ^2/NDF: 363610.7/33



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -1155.810+/-439.025 χ^2/NDF:28.4/15

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

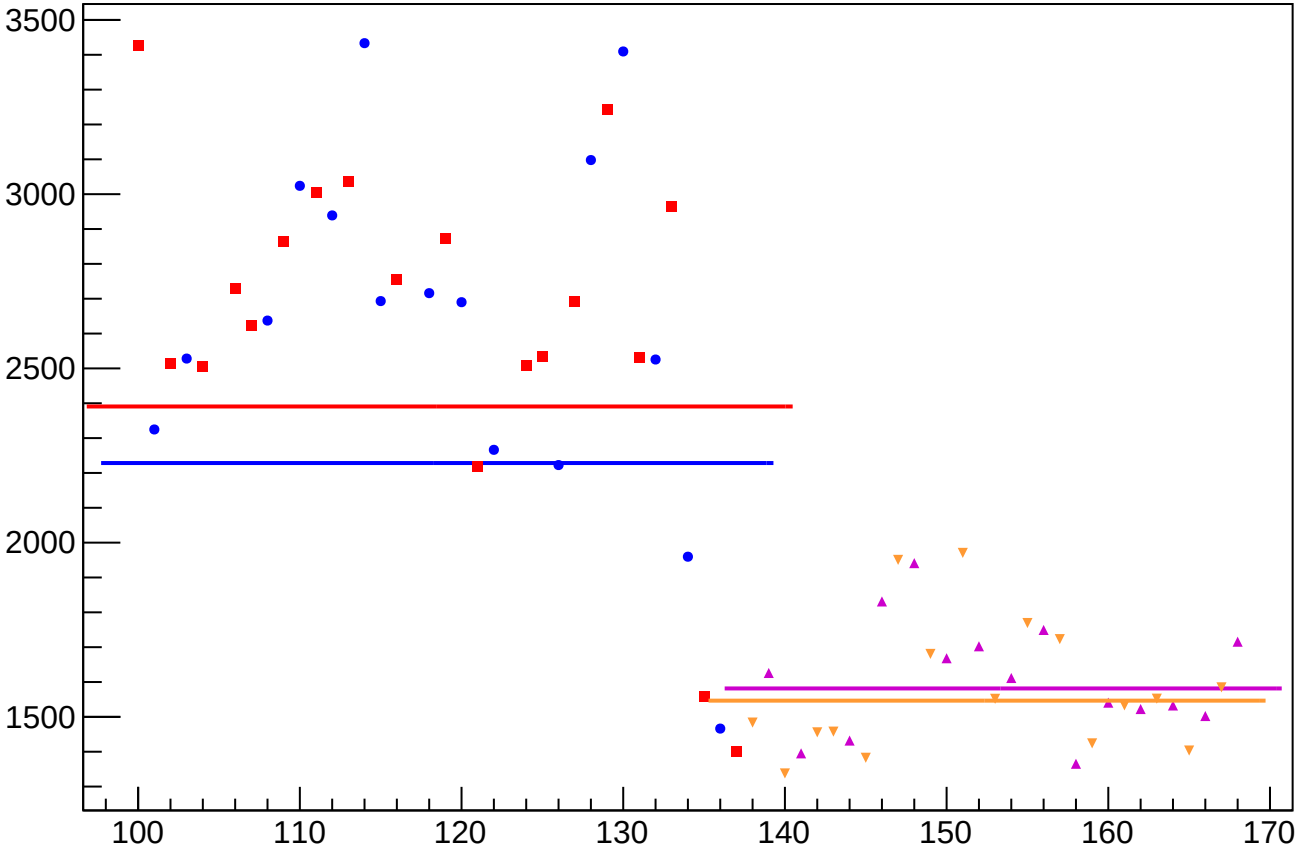
Left In: 382.800+/-452.041 χ^2/NDF:23.2/14

+ sign -1312.050+/-390.935 χ^2/NDF: 45.2/31

All: -579.508+/-280.983 χ^2/NDF: 90.7/65

- sign 203.329+/-404.133 χ^2/NDF: 38.2/33

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1546.563+/-0.310 χ^2/NDF:303919.3/15

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

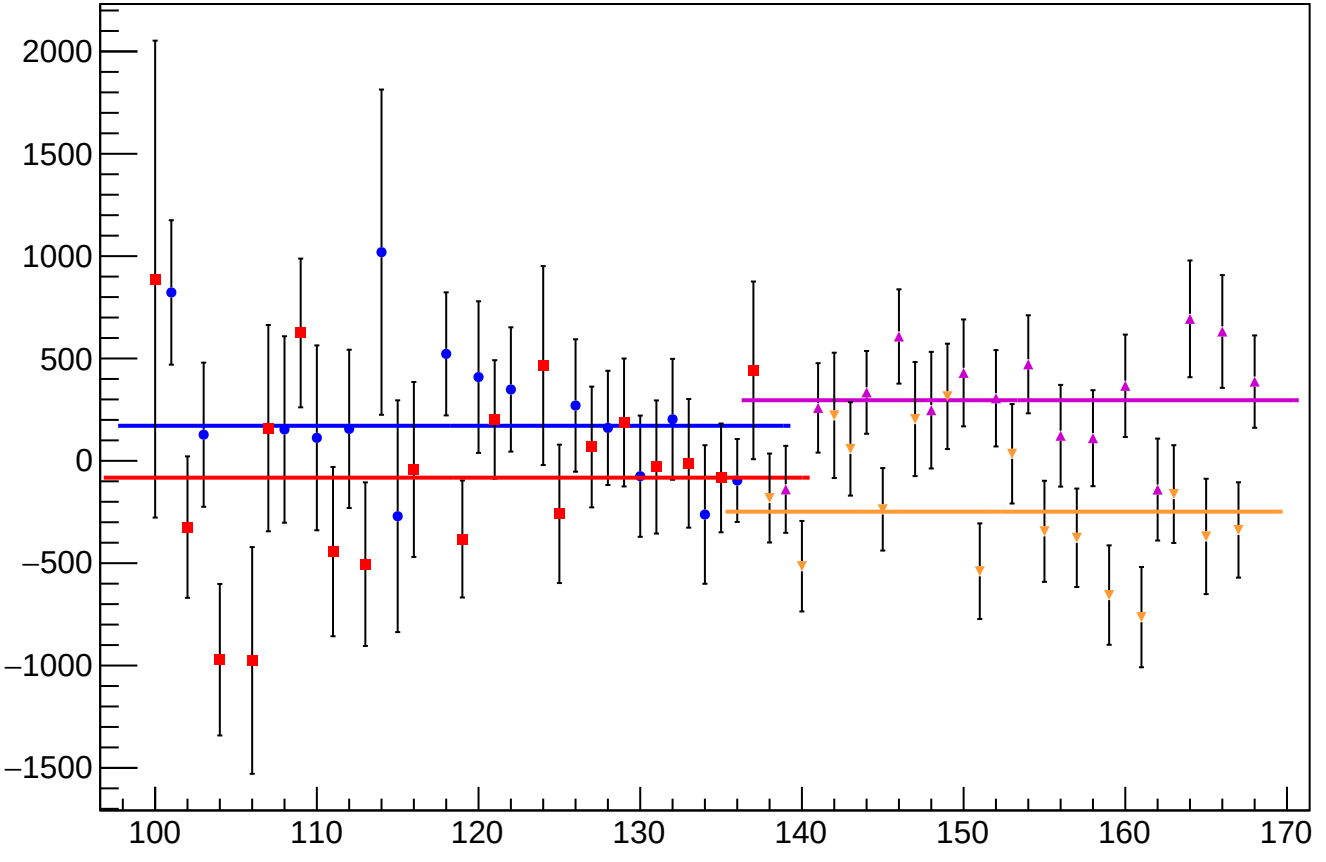
Left In: 1581.561+/-0.320 χ^2/NDF:234627.6/14

+ sign 1687.763+/-0.276 χ^2/NDF: 2250636.0/31

All: 1714.943+/-0.199 χ^2/NDF: 4581662.0/65

- sign 1743.989+/-0.286 χ^2/NDF: 2311027.2/33

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -248.376+/-60.266 χ^2/NDF:24.2/15

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

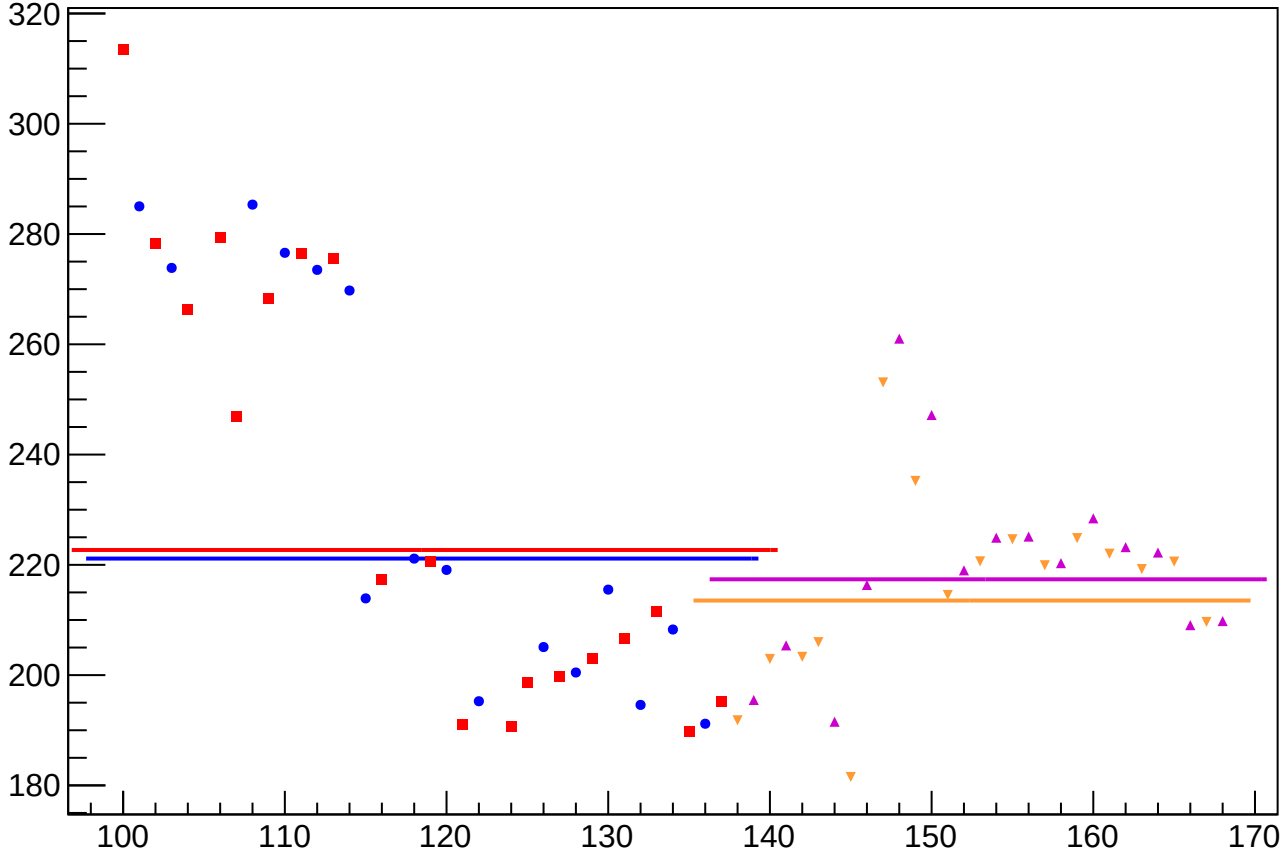
Left In: 296.037+/-61.955 χ^2/NDF:14.8/14

+ sign -103.777+/-48.790 χ^2/NDF: 52.4/31

All: 25.953+/-34.766 χ^2/NDF: 116.6/65

- sign 159.759+/-49.551 χ^2/NDF: 49.8/33

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.527+/-0.043 χ^2/NDF:150930.9/15

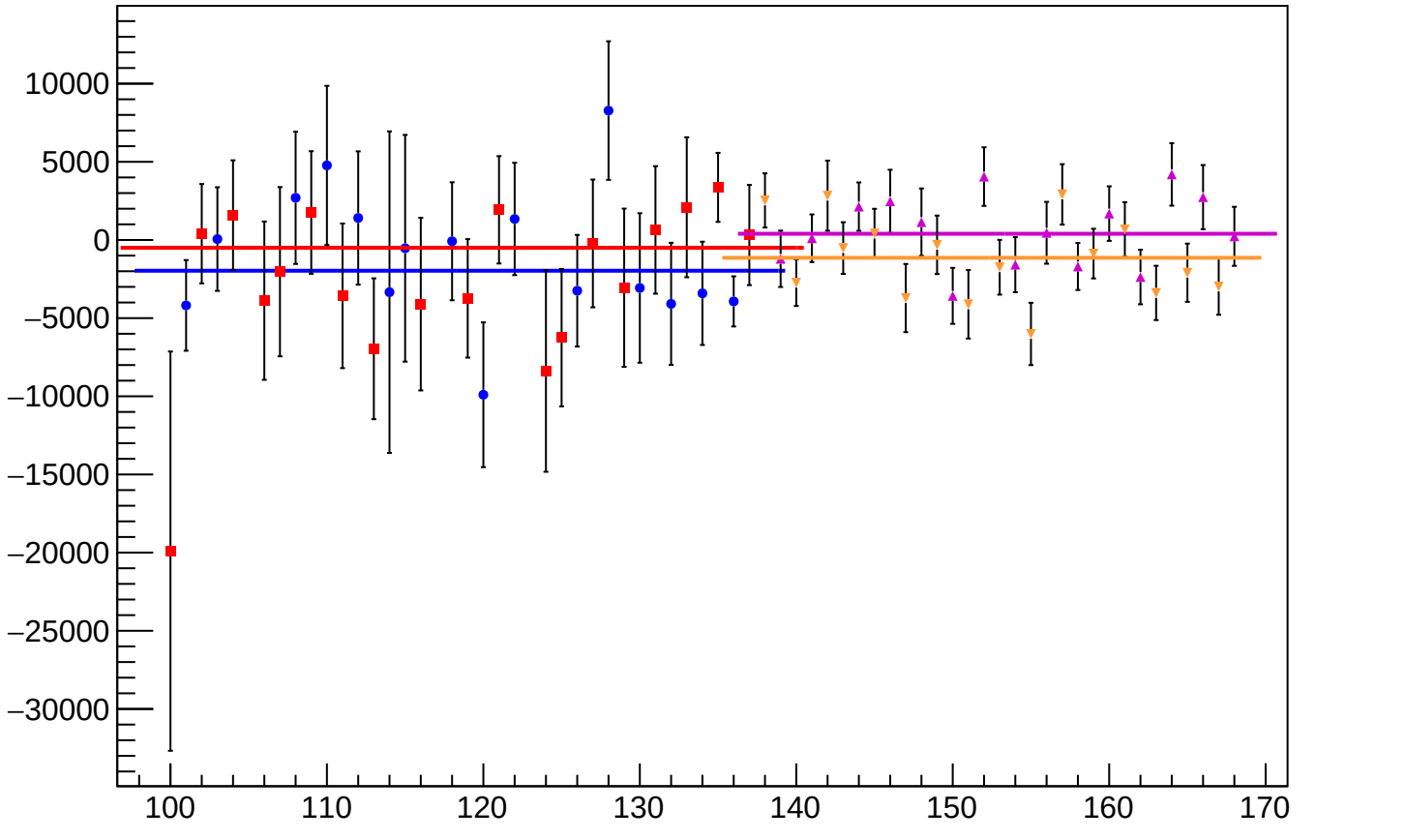
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 217.377+/-0.044 χ^2/NDF:146927.9/14

+ sign 216.150+/-0.034 χ^2/NDF: 480626.7/31

All: 217.698+/-0.025 χ^2/NDF: 963989.7/65

- sign 219.294+/-0.035 χ^2/NDF: 479275.7/33



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -1139.384+/-449.471 χ^2/NDF:27.9/15

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

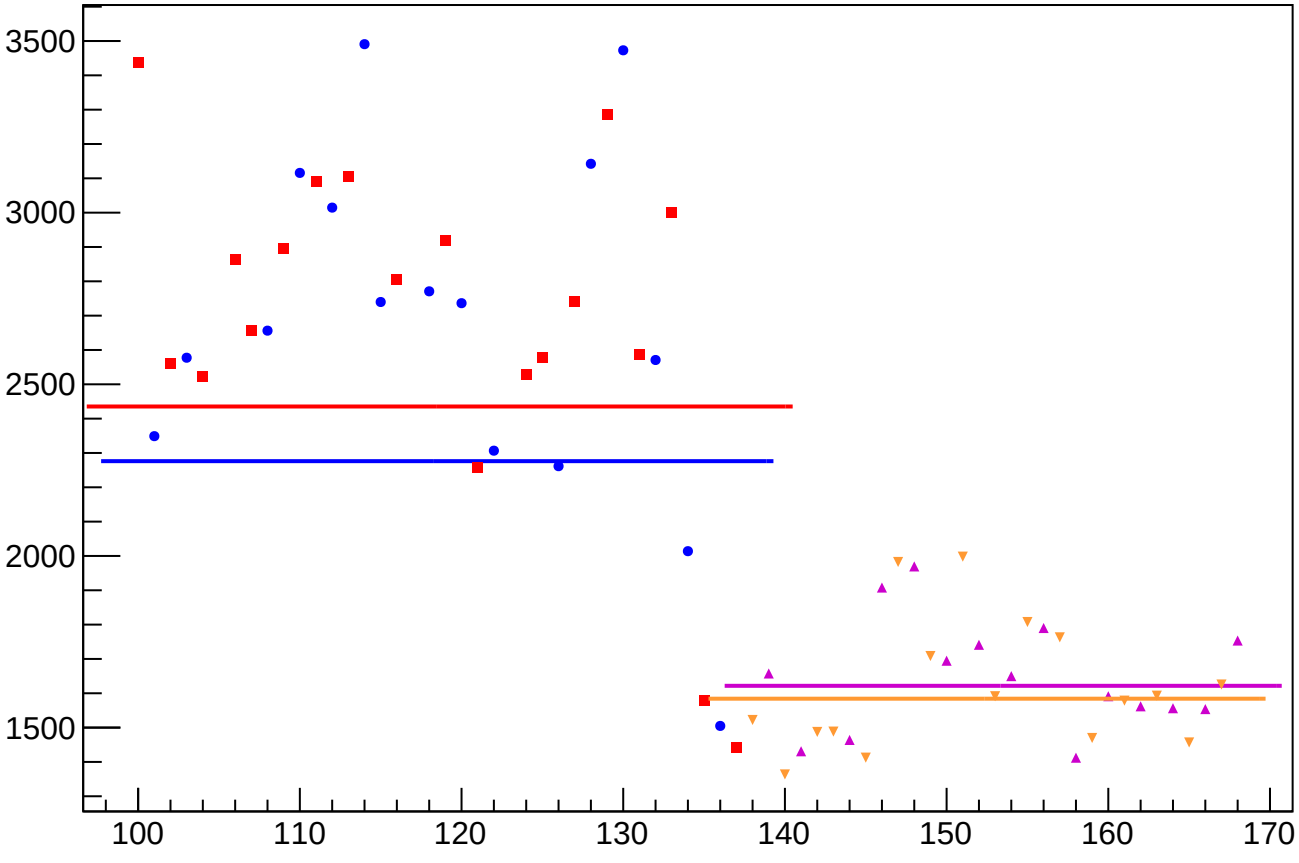
Left In: 398.039+/-463.383 χ^2/NDF:23.2/14

+ sign -1311.756+/-399.961 χ^2/NDF: 44.7/31

All: -573.444+/-287.439 χ^2/NDF: 90.5/65

- sign 215.210+/-413.371 χ^2/NDF: 38.7/33

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1584.213+/-0.318 χ^2/NDF:290421.3/15

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

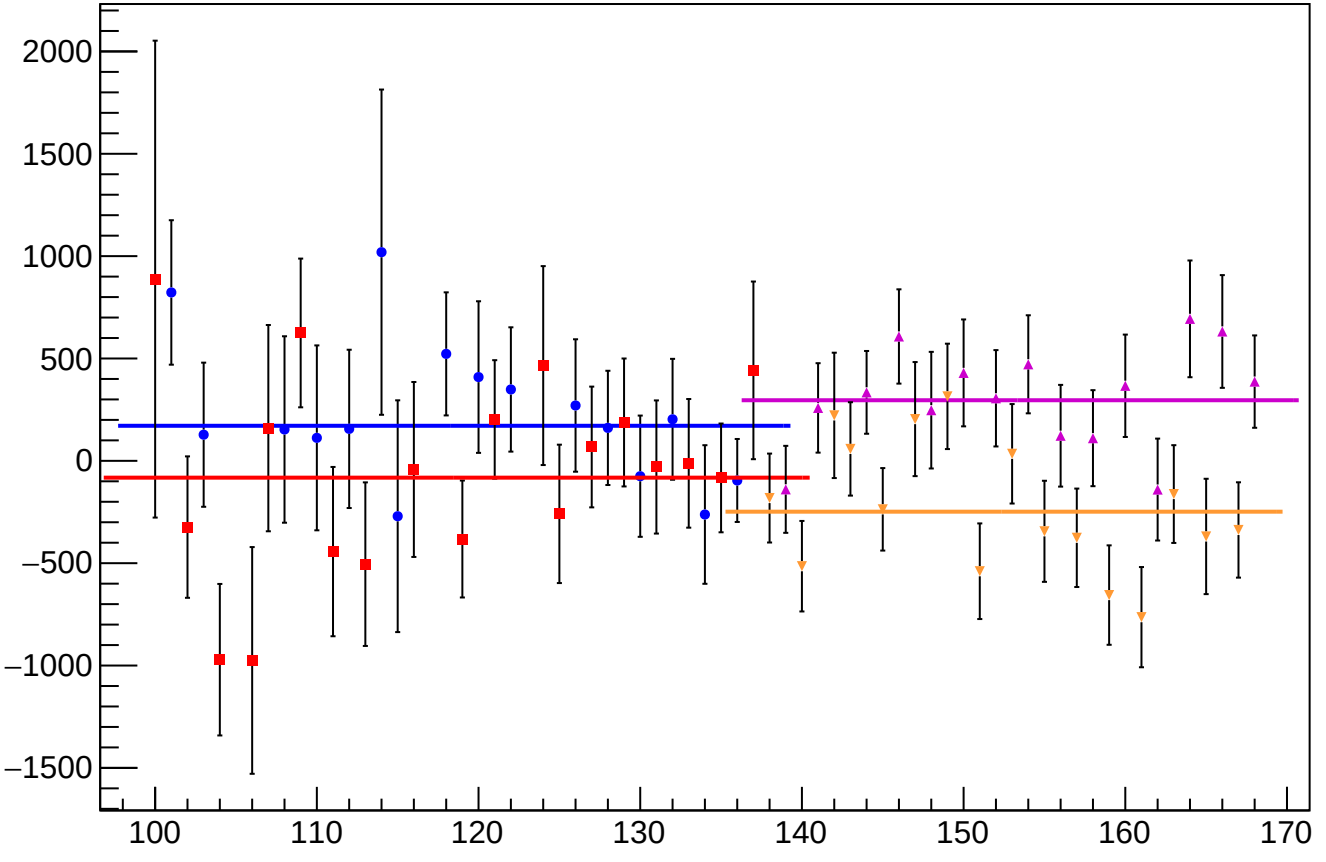
Left In: 1621.718+/-0.328 χ^2/NDF:227376.3/14

+ sign 1728.251+/-0.283 χ^2/NDF: 2204051.5/31

All: 1757.076+/-0.203 χ^2/NDF: 4503580.8/65

- sign 1787.867+/-0.292 χ^2/NDF: 2278045.1/33

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -248.377+/-60.266 χ^2/NDF:24.2/15

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

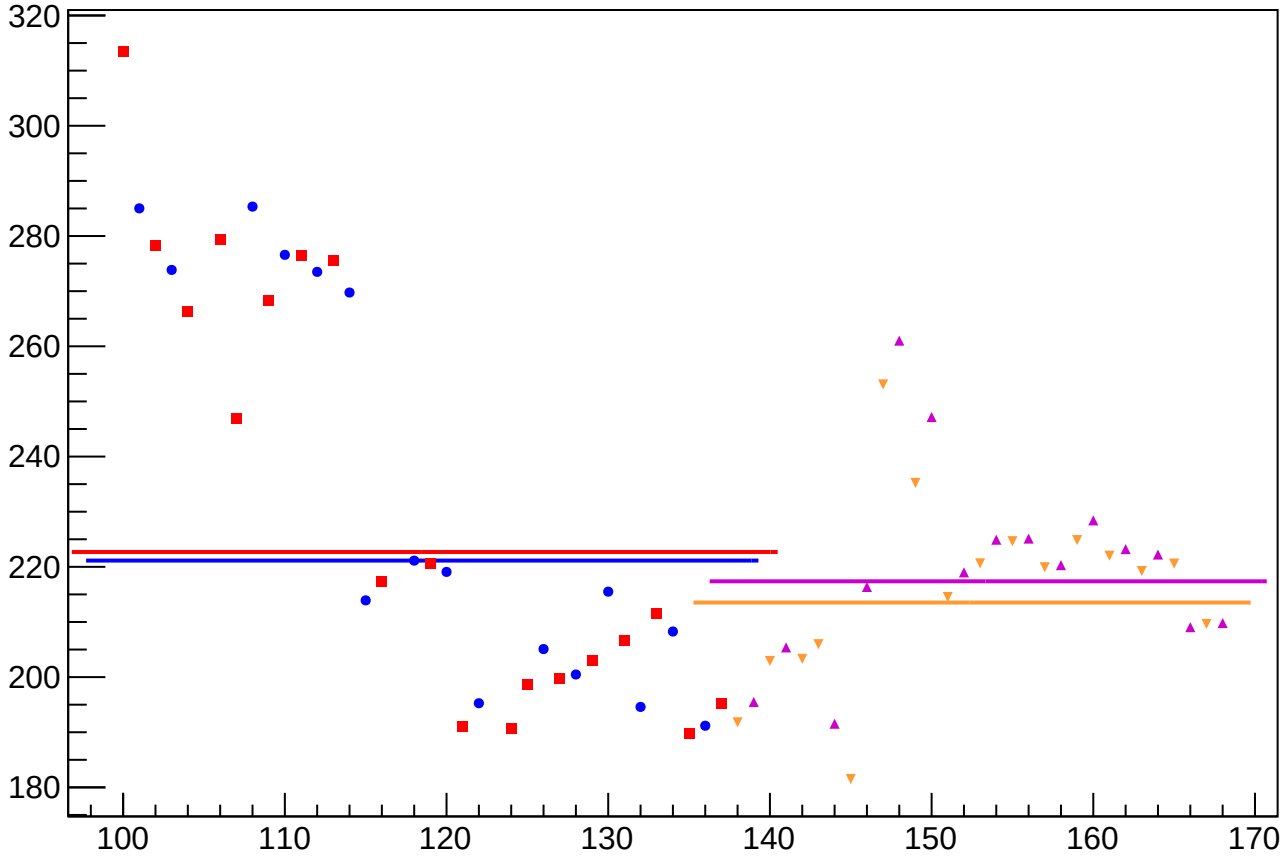
Left In: 296.040+/-61.955 χ^2/NDF:14.8/14

+ sign -103.776+/-48.790 χ^2/NDF: 52.4/31

All: 25.954+/-34.766 χ^2/NDF: 116.6/65

- sign 159.761+/-49.551 χ^2/NDF: 49.8/33

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.527+/-0.043 χ^2/NDF:150935.0/15

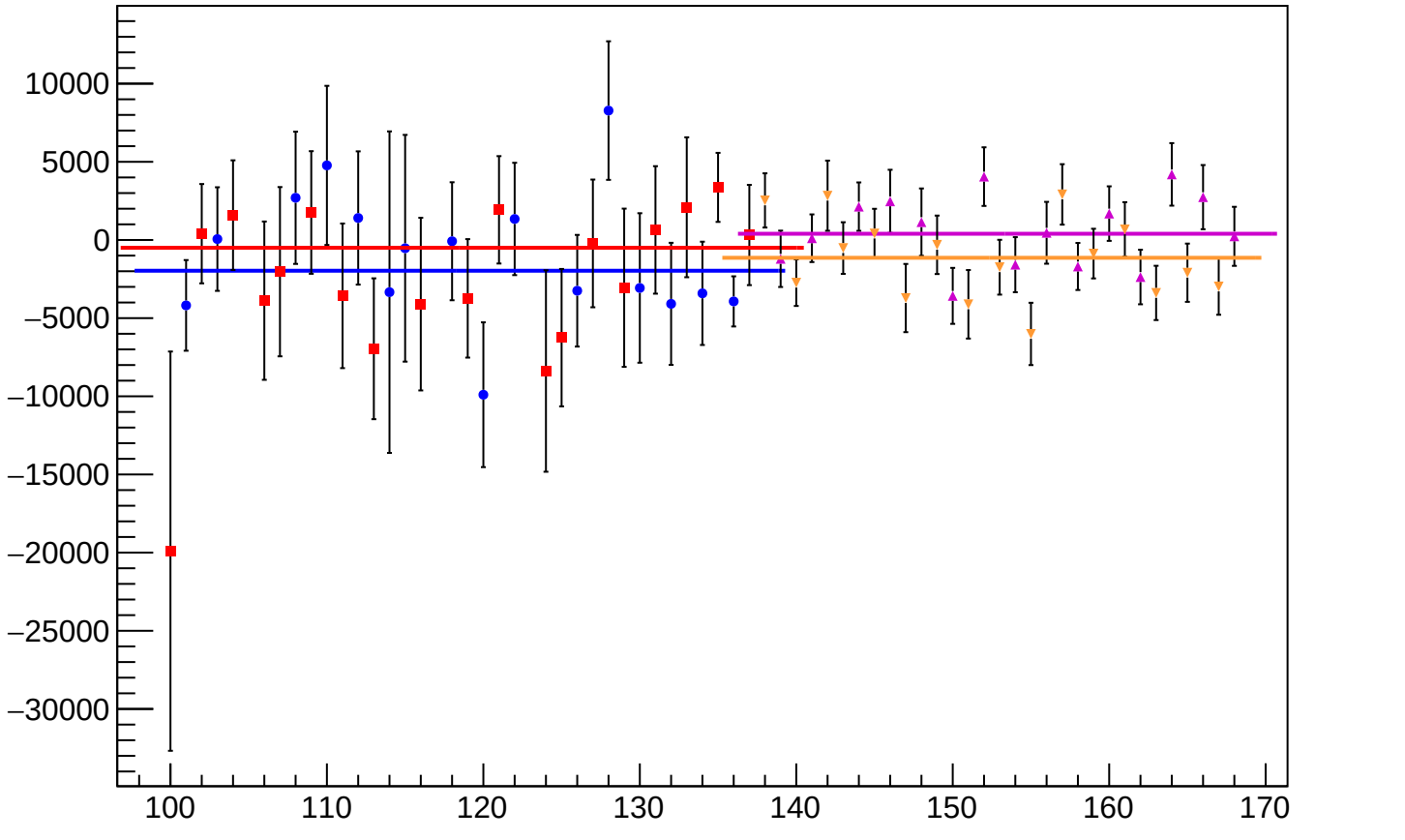
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 217.376+/-0.044 χ^2/NDF:146930.3/14

+ sign 216.150+/-0.034 χ^2/NDF: 480622.7/31

All: 217.697+/-0.025 χ^2/NDF: 963979.8/65

- sign 219.293+/-0.035 χ^2/NDF: 479269.6/33



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -1139.383+/-449.471 χ^2/NDF:27.9/15

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

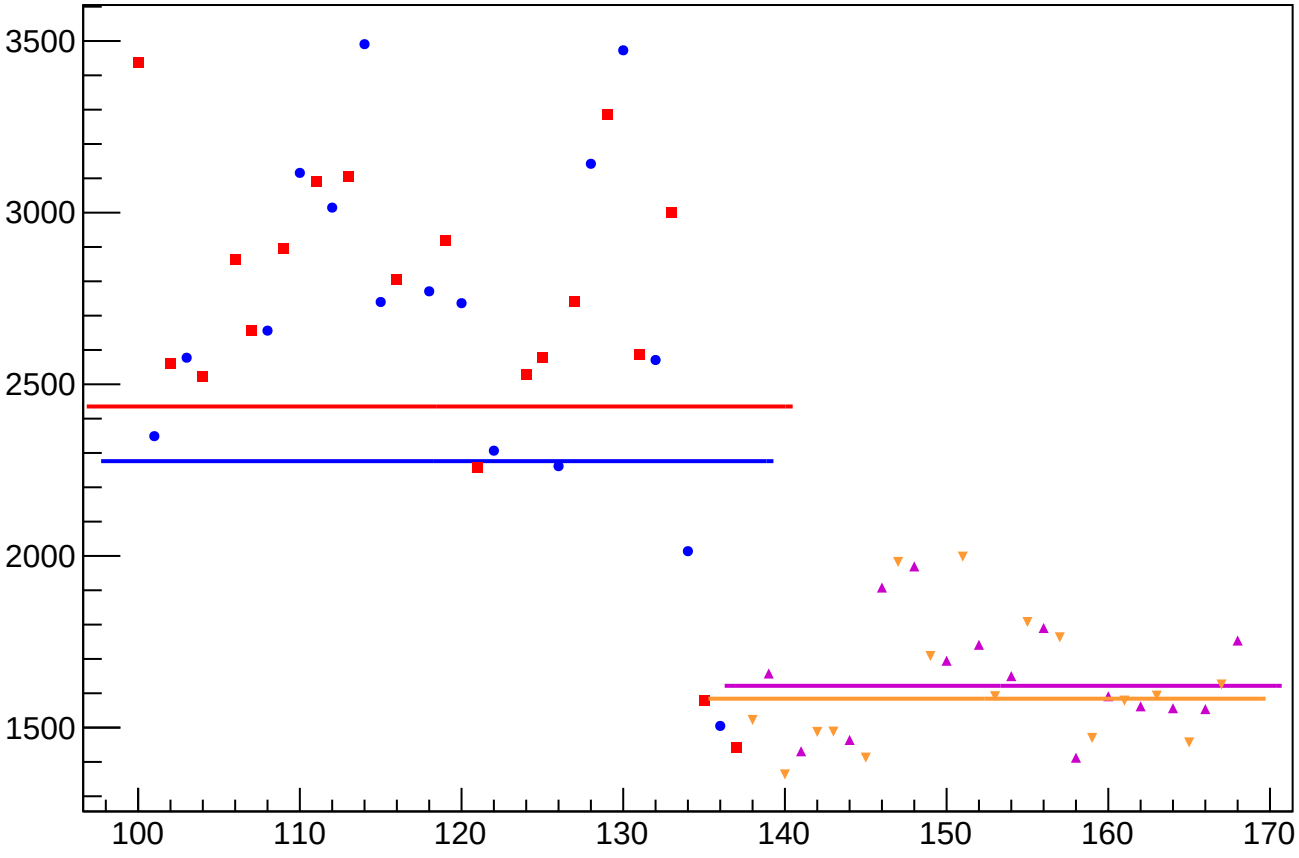
Left In: 398.039+/-463.383 χ^2/NDF:23.2/14

+ sign -1311.755+/-399.961 χ^2/NDF: 44.7/31

All: -573.444+/-287.439 χ^2/NDF: 90.5/65

- sign 215.209+/-413.371 χ^2/NDF: 38.7/33

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1584.213+/-0.318 χ^2/NDF:290424.4/15

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

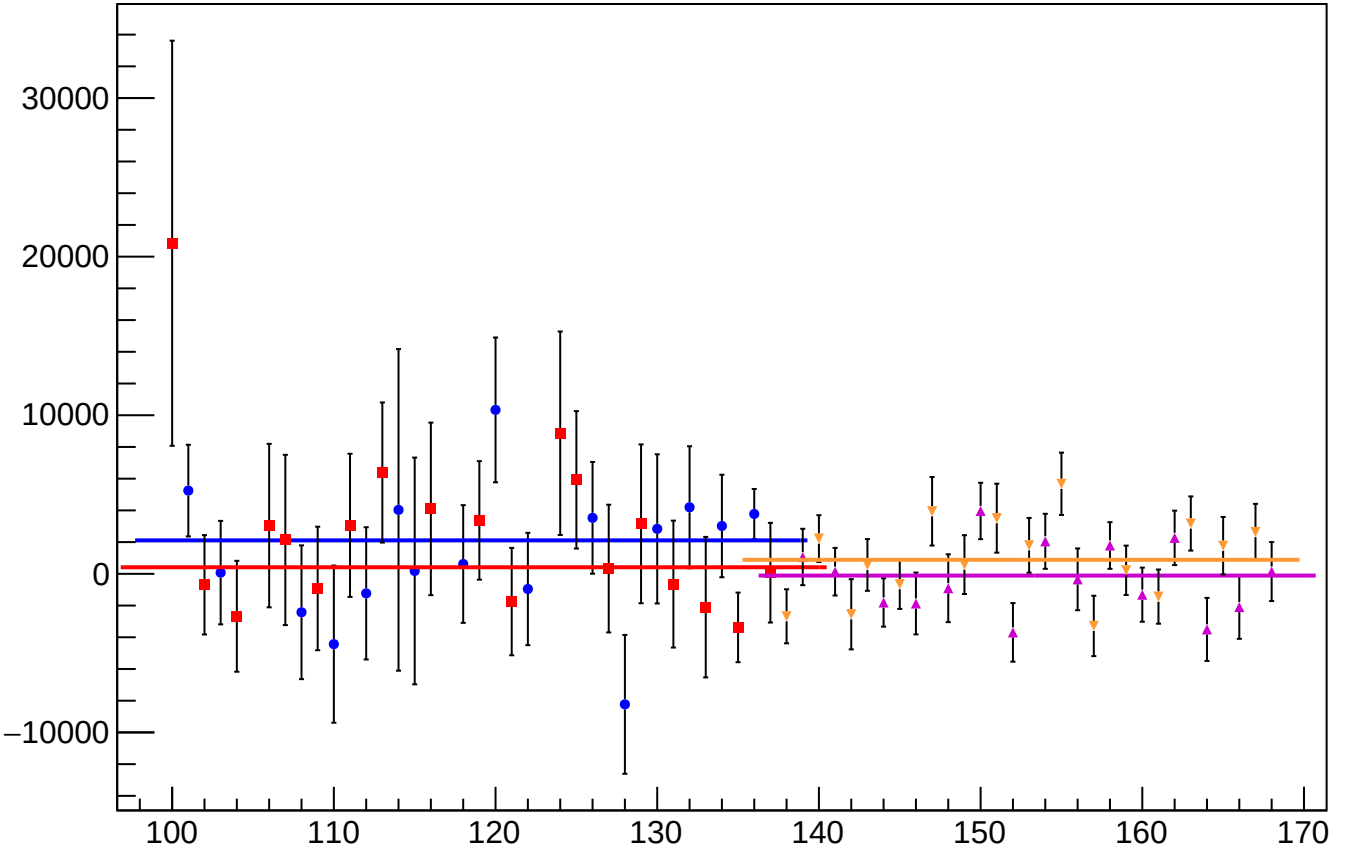
Left In: 1621.718+/-0.328 χ^2/NDF:227377.8/14

+ sign 1728.251+/-0.283 χ^2/NDF: 2204040.3/31

All: 1757.076+/-0.203 χ^2/NDF: 4503557.8/65

- sign 1787.866+/-0.292 χ^2/NDF: 2278033.2/33

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 884.104+/-442.744 χ^2/NDF:28.2/15

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

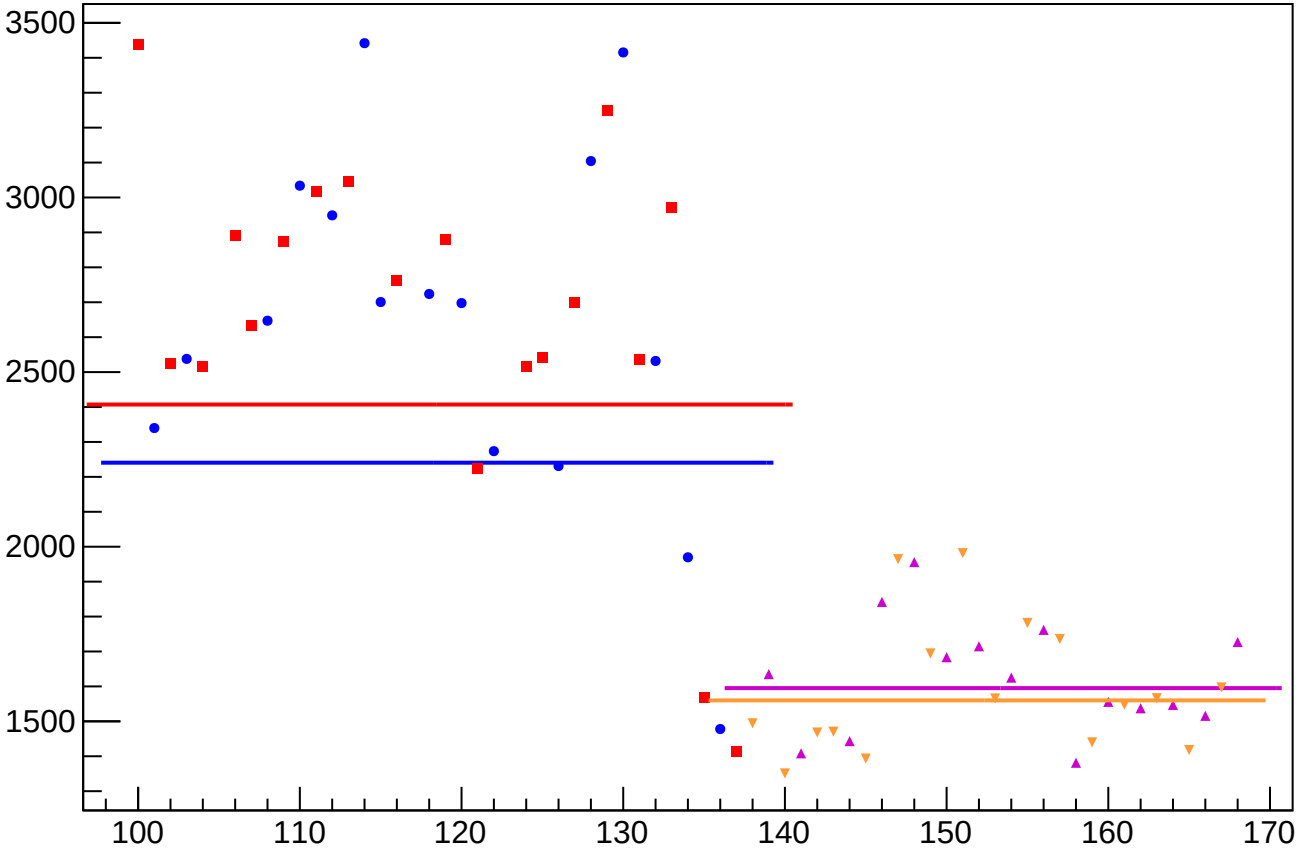
Left In: -110.817+/-455.844 χ^2/NDF:21.2/14

+ sign 1139.297+/-393.955 χ^2/NDF: 46.4/31

All: 586.118+/-283.089 χ^2/NDF: 86.6/65

- sign -4.482+/-407.063 χ^2/NDF: 36.1/33

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1559.948+/-0.313 χ^2/NDF:298837.6/15

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

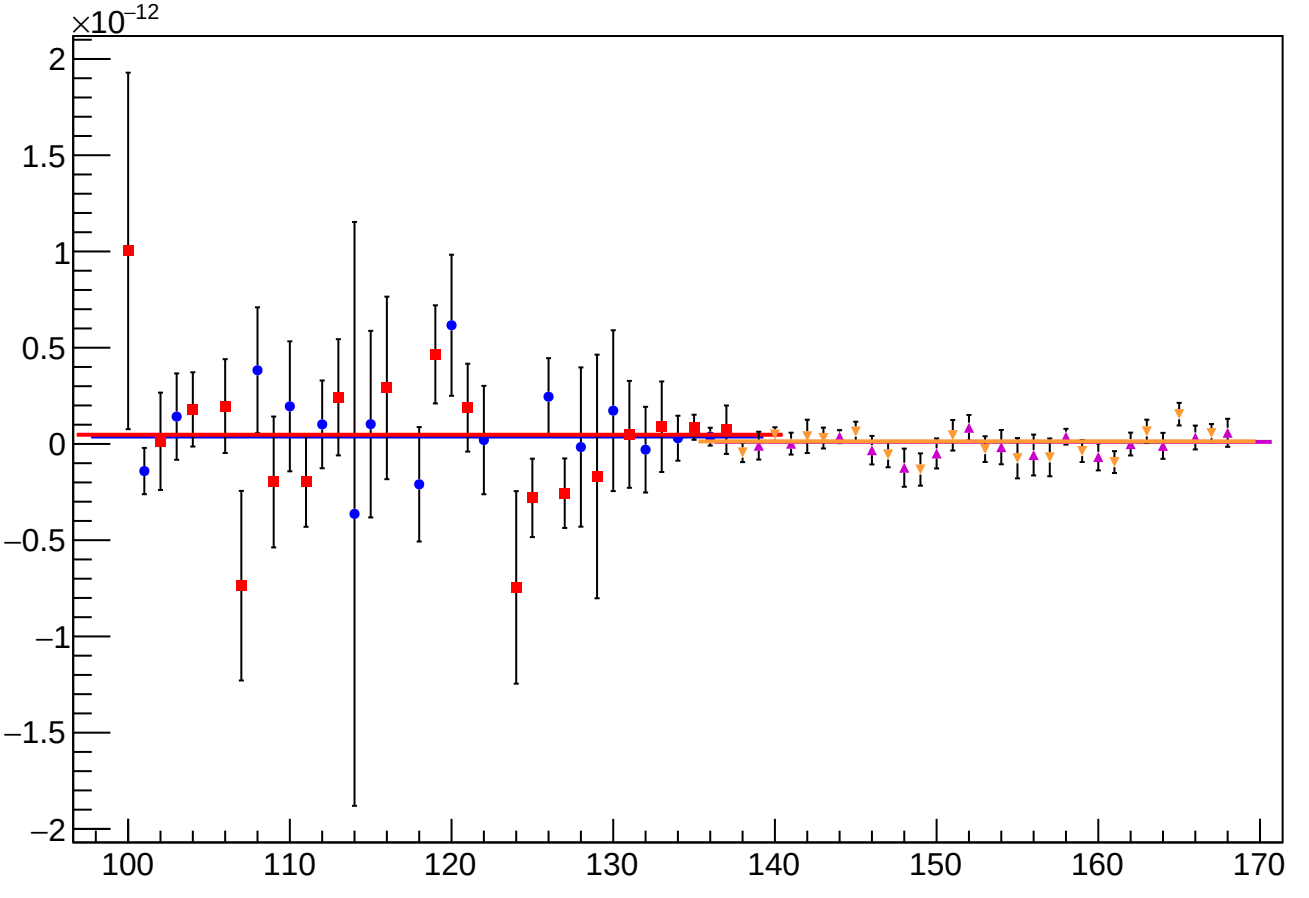
Left In: 1595.136+/-0.322 χ^2/NDF:229239.6/14

+ sign 1701.697+/-0.279 χ^2/NDF: 2216867.5/31

All: 1729.714+/-0.200 χ^2/NDF: 4541533.9/65

- sign 1759.625+/-0.288 χ^2/NDF: 2303752.6/33

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/15

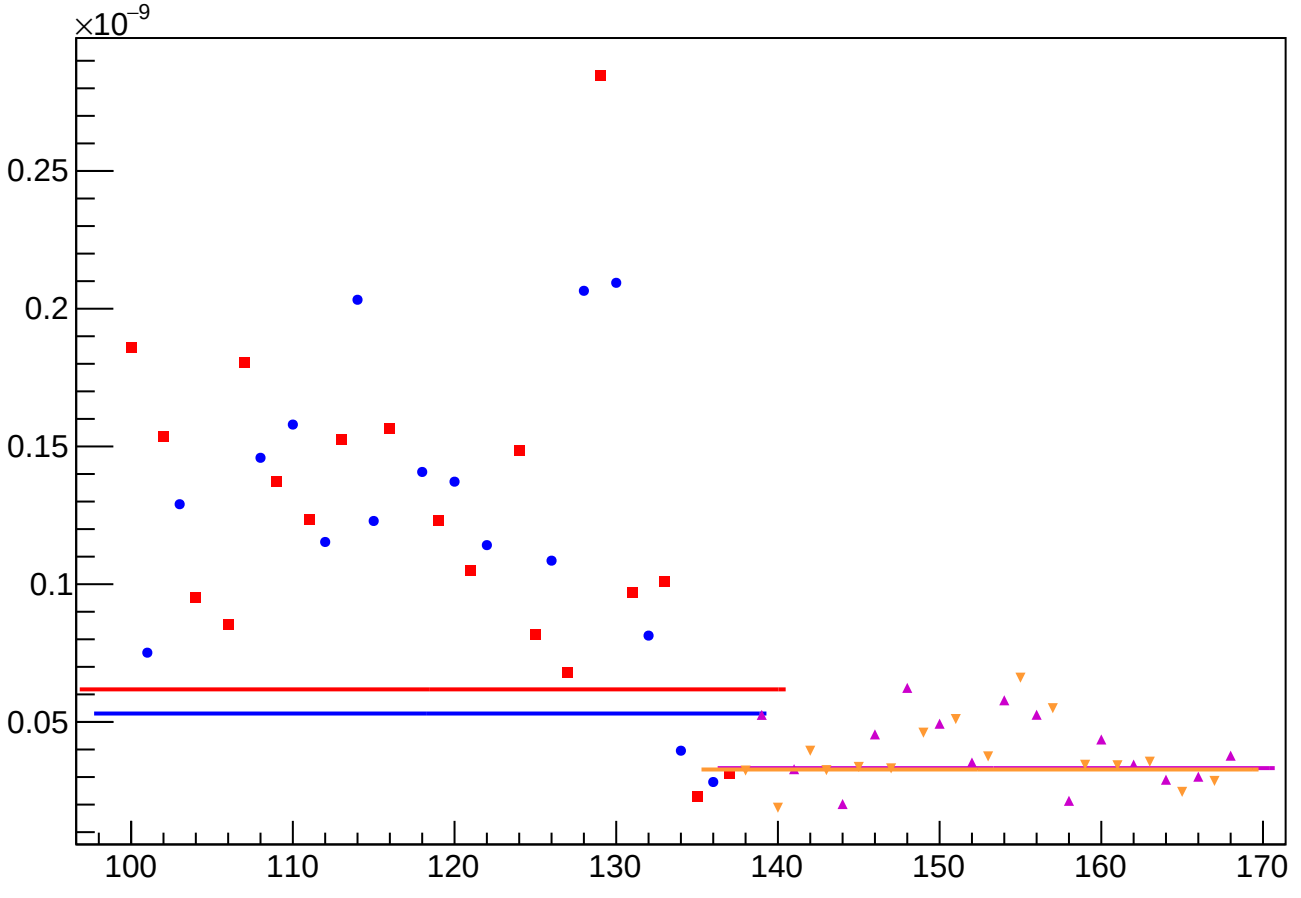
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 30.0/31

All: 0.000+/-0.000 χ^2/NDF: 56.5/65

- sign 0.000+/-0.000 χ^2/NDF: 26.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:821893.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

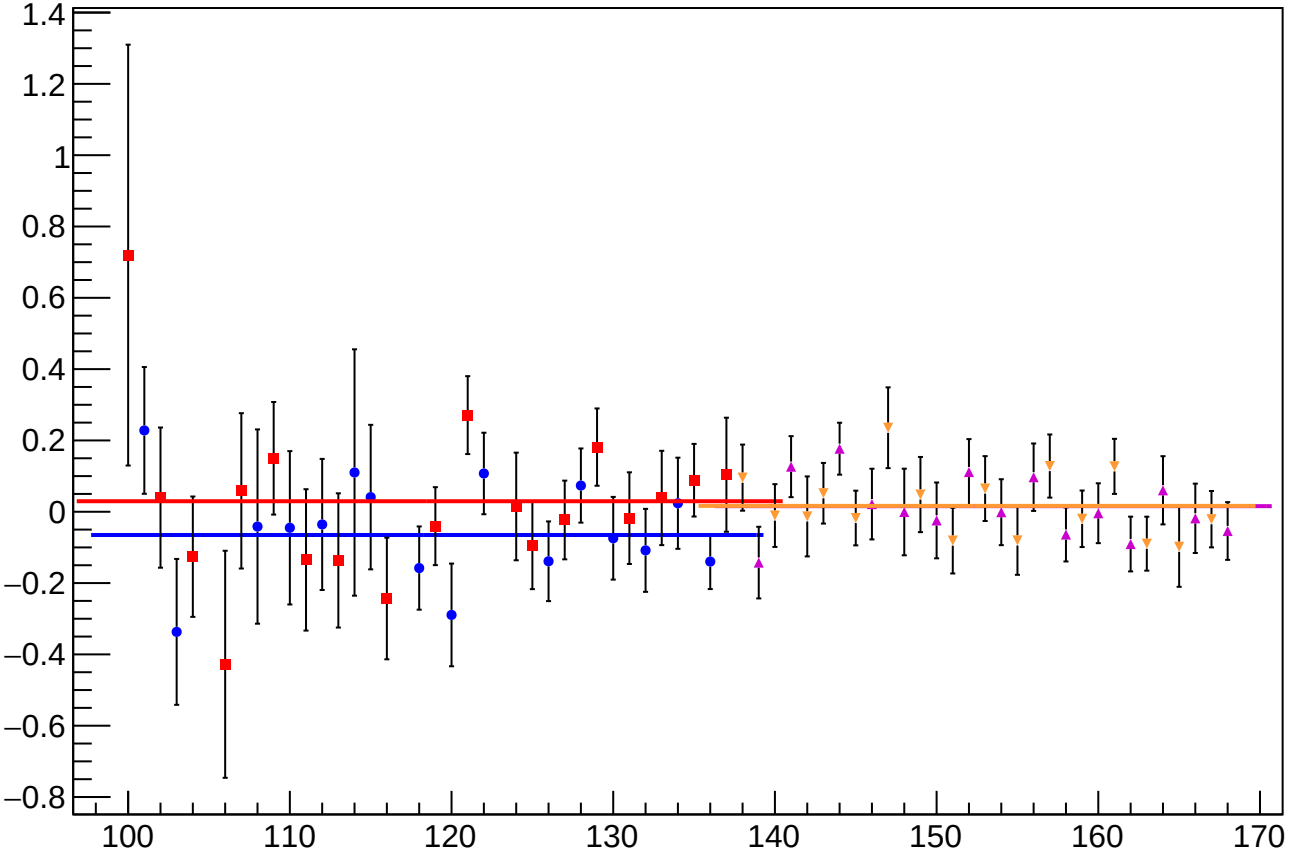
Left In: 0.000+/-0.000 χ^2/NDF:1203862.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 3933659.9/31

All: 0.000+/-0.000 χ^2/NDF: 8325675.1/65

- sign 0.000+/-0.000 χ^2/NDF: 4387613.6/33

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: 0.016+/-0.022 χ^2/NDF:14.6/15

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

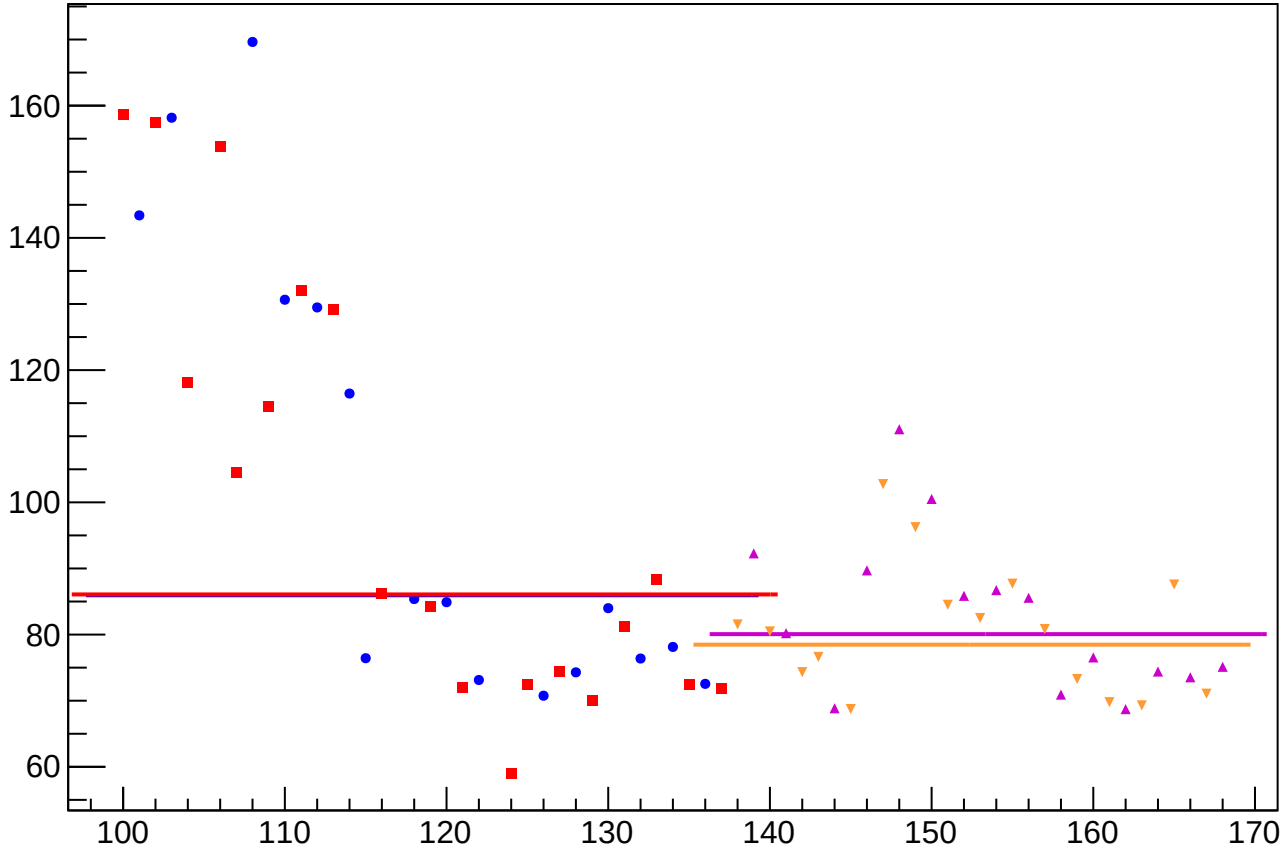
Left In: 0.016+/-0.023 χ^2/NDF:15.2/14

+ sign -0.009+/-0.019 χ^2/NDF: 32.9/31

All: 0.005+/-0.013 χ^2/NDF: 67.5/65

- sign 0.020+/-0.019 χ^2/NDF: 33.4/33

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.474+/-0.016 χ^2/NDF:314254.1/15

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

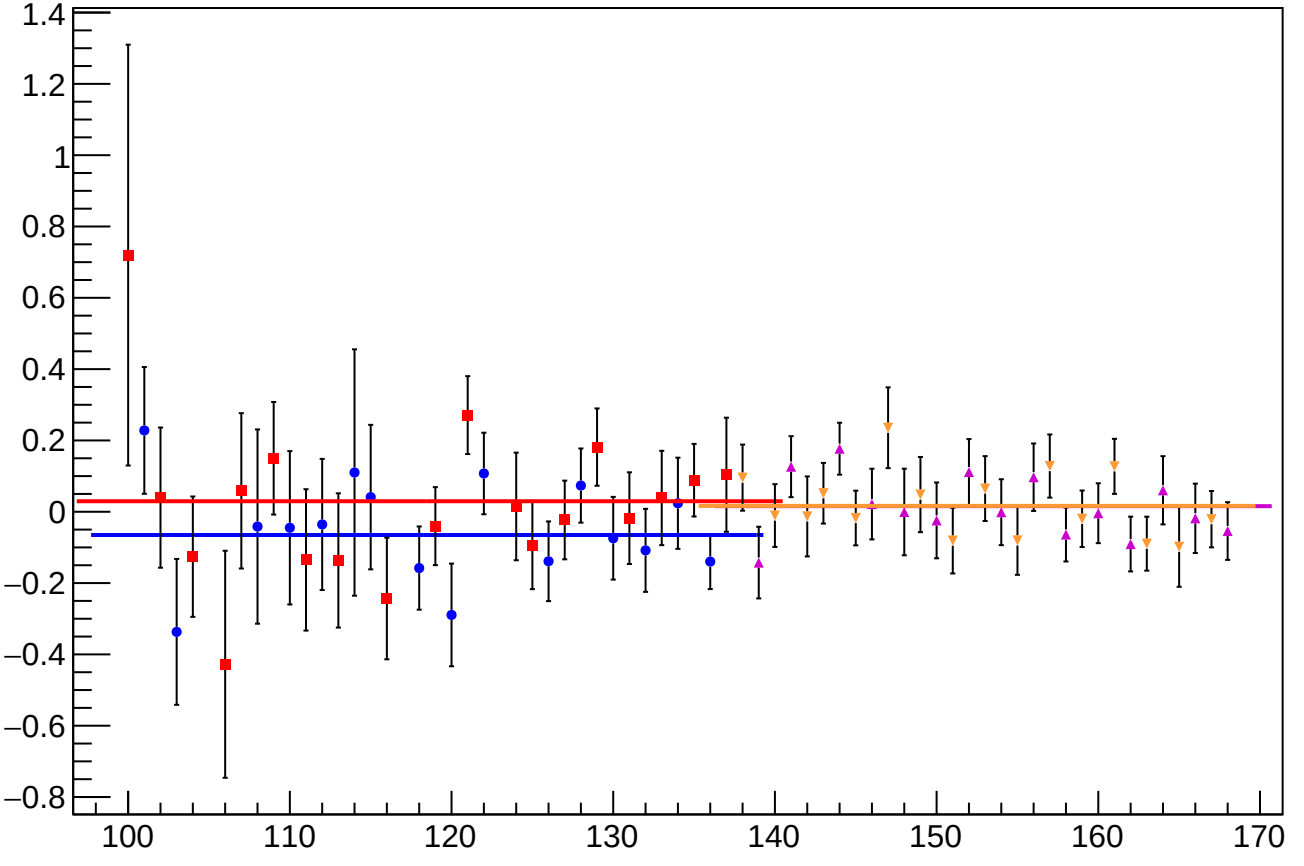
Left In: 80.067+/-0.016 χ^2/NDF:424902.1/14

+ sign 80.783+/-0.013 χ^2/NDF: 1418799.2/31

All: 81.399+/-0.009 χ^2/NDF: 2884173.0/65

- sign 82.040+/-0.013 χ^2/NDF: 1460858.1/33

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: 0.016+/-0.022 χ^2/NDF:14.6/15

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

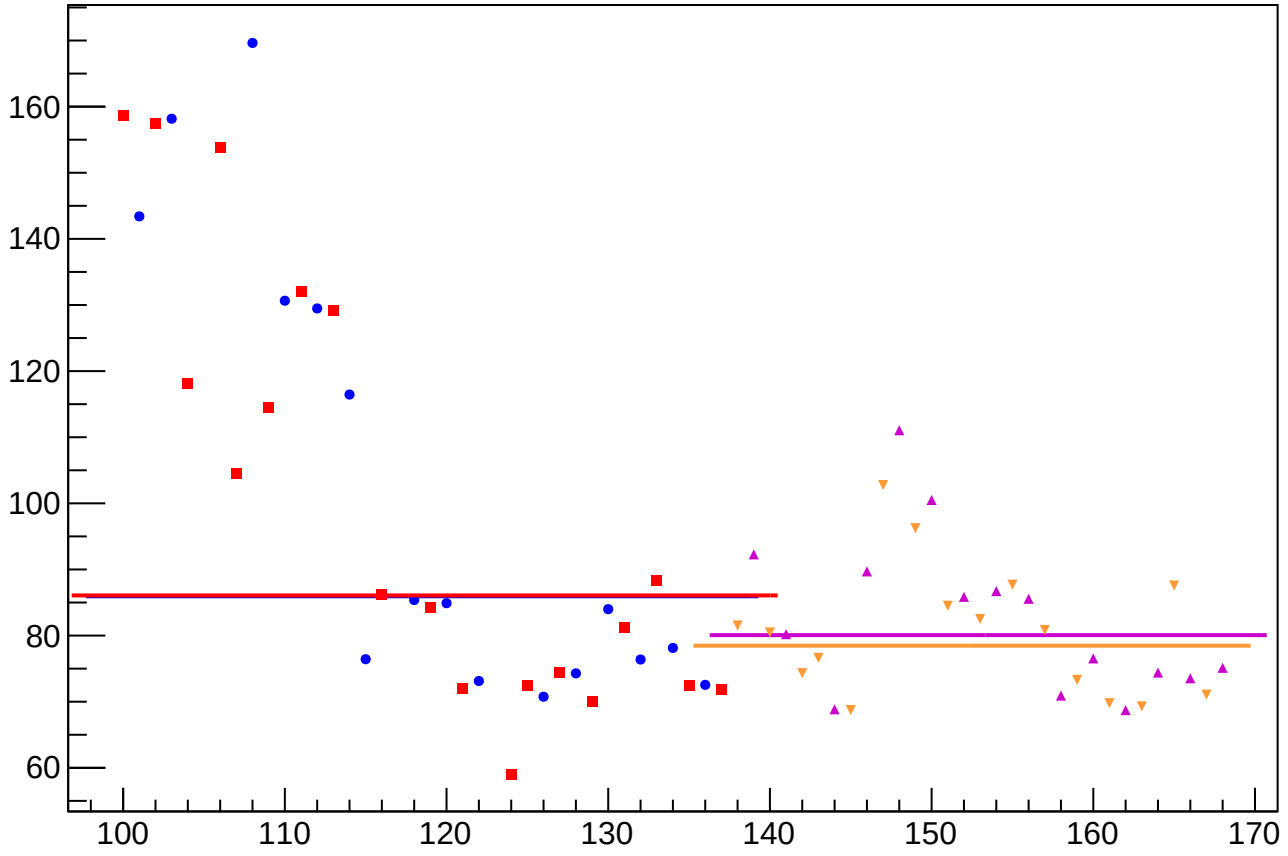
Left In: 0.016+/-0.023 χ^2/NDF:15.2/14

+ sign -0.009+/-0.019 χ^2/NDF: 32.9/31

All: 0.005+/-0.013 χ^2/NDF: 67.5/65

- sign 0.020+/-0.019 χ^2/NDF: 33.4/33

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.474+/-0.016 χ^2/NDF:314254.1/15

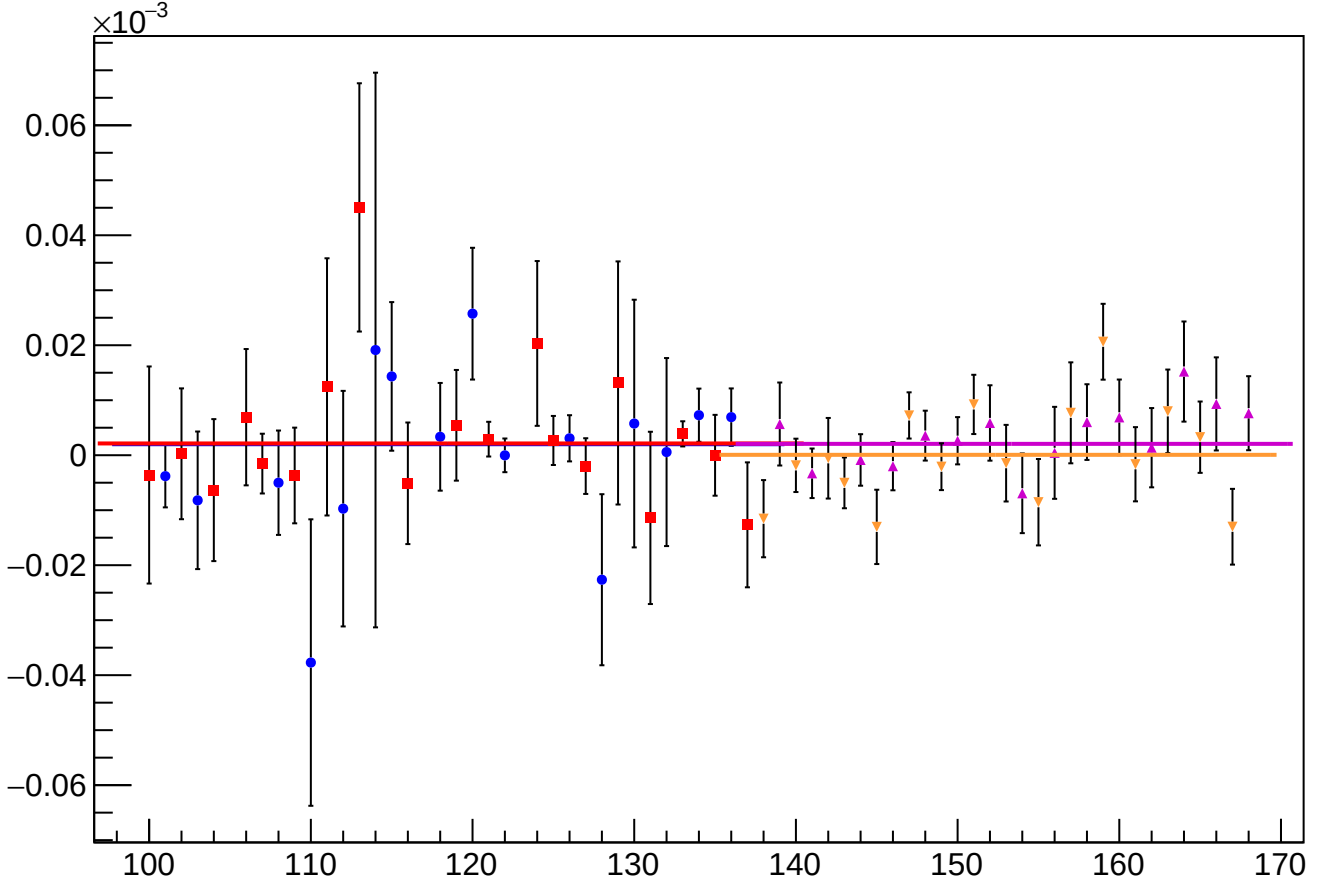
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.067+/-0.016 χ^2/NDF:424902.1/14

+ sign 80.783+/-0.013 χ^2/NDF: 1418799.2/31

All: 81.399+/-0.009 χ^2/NDF: 2884173.0/65

- sign 82.040+/-0.013 χ^2/NDF: 1460858.1/33



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.8/15

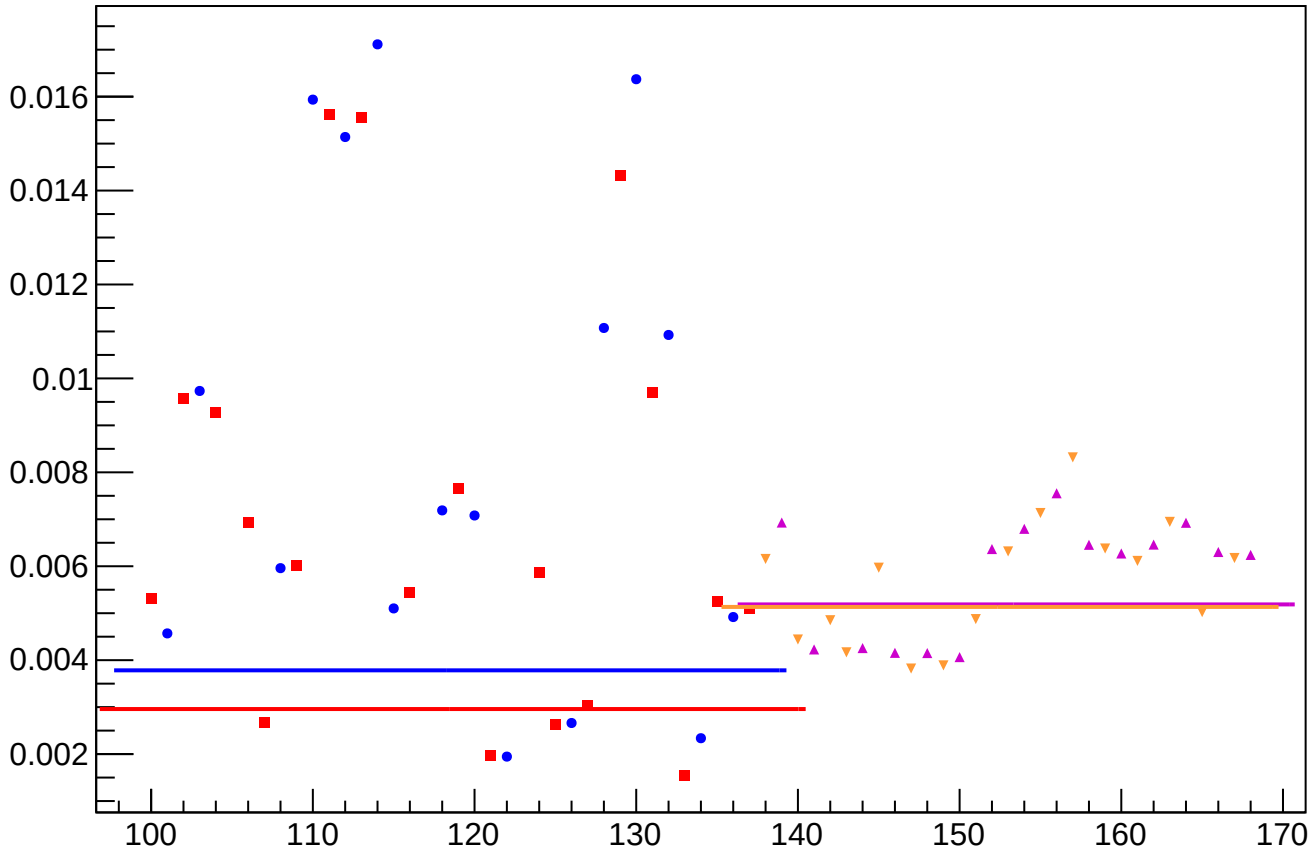
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 45.4/31

All: 0.000+/-0.000 χ^2/NDF: 66.8/65

- sign 0.000+/-0.000 χ^2/NDF: 20.7/33



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1269881.7/15

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

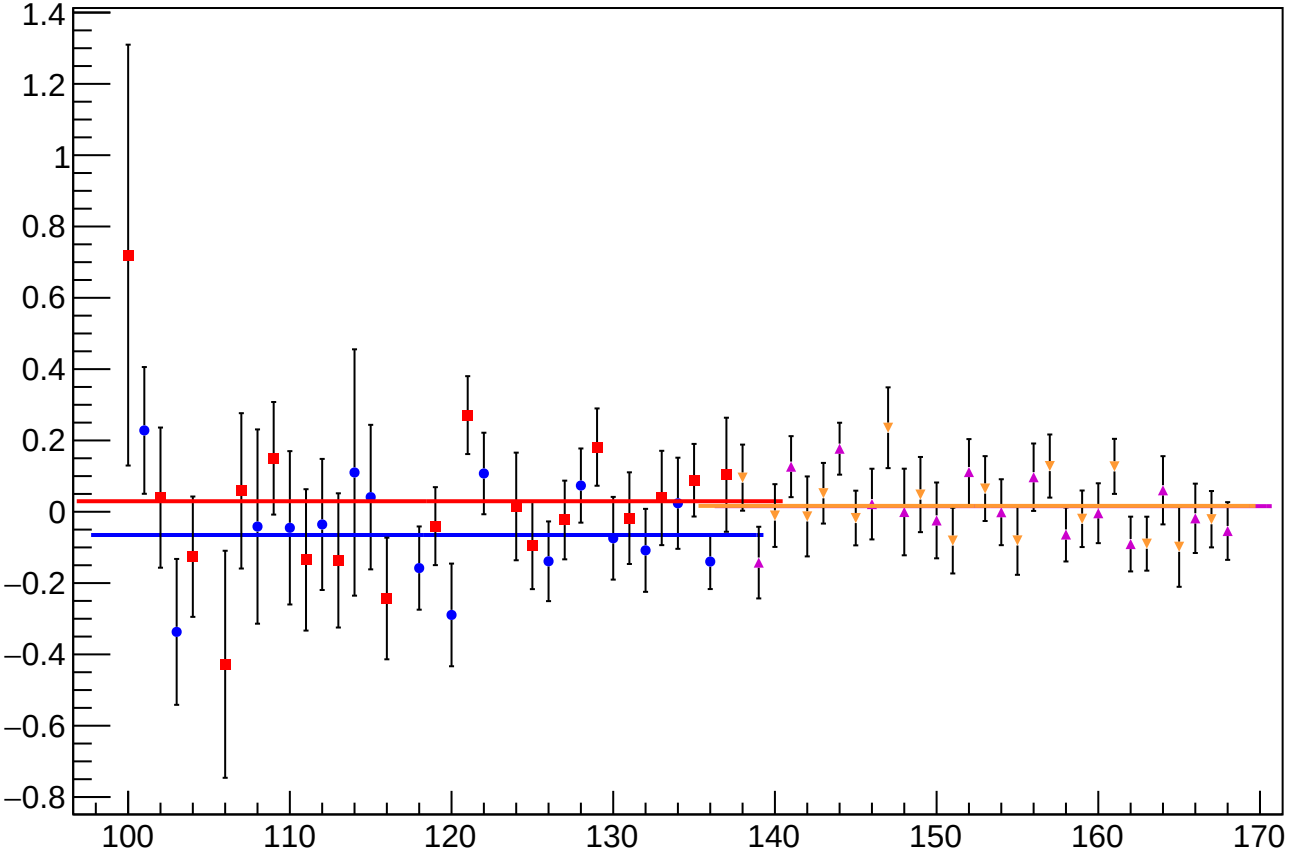
Left In: 0.005+/-0.000 χ^2/NDF:1282396.9/14

+ sign 0.005+/-0.000 χ^2/NDF: 6656018.8/31

All: 0.004+/-0.000 χ^2/NDF: 16093360.1/65

- sign 0.004+/-0.000 χ^2/NDF: 9147721.8/33

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: 0.016+/-0.022 χ^2/NDF:14.6/15

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

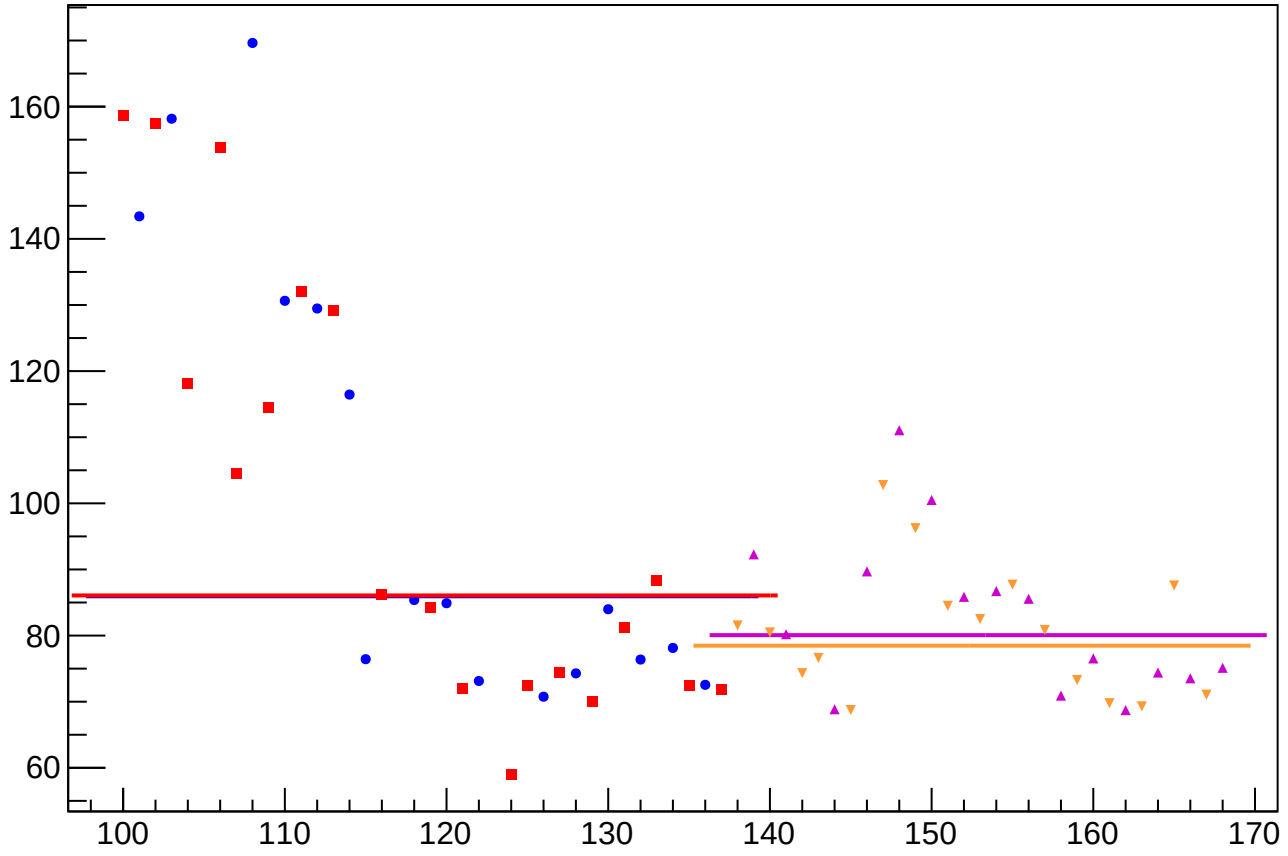
Left In: 0.016+/-0.023 χ^2/NDF:15.2/14

\+ sign -0.009+/-0.019 χ^2/NDF: 32.9/31

All: 0.005+/-0.013 χ^2/NDF: 67.5/65

\- sign 0.020+/-0.019 χ^2/NDF: 33.4/33

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.473+/-0.016 χ^2/NDF:314299.9/15

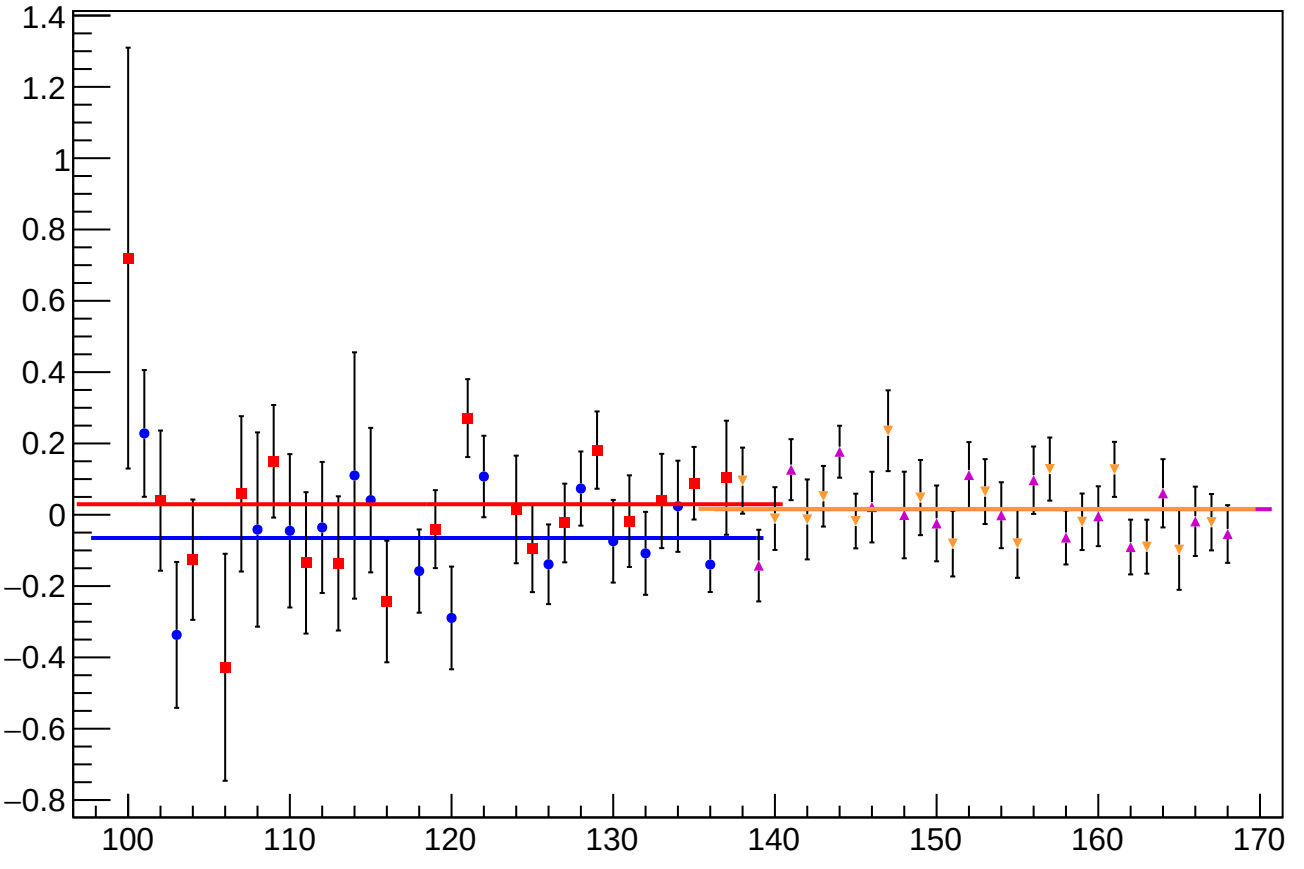
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.066+/-0.016 χ^2/NDF:424942.5/14

+ sign 80.782+/-0.013 χ^2/NDF: 1418795.0/31

All: 81.397+/-0.009 χ^2/NDF: 2884184.6/65

- sign 82.038+/-0.013 χ^2/NDF: 1460874.7/33



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.016+/-0.022 χ^2/NDF:14.6/15

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

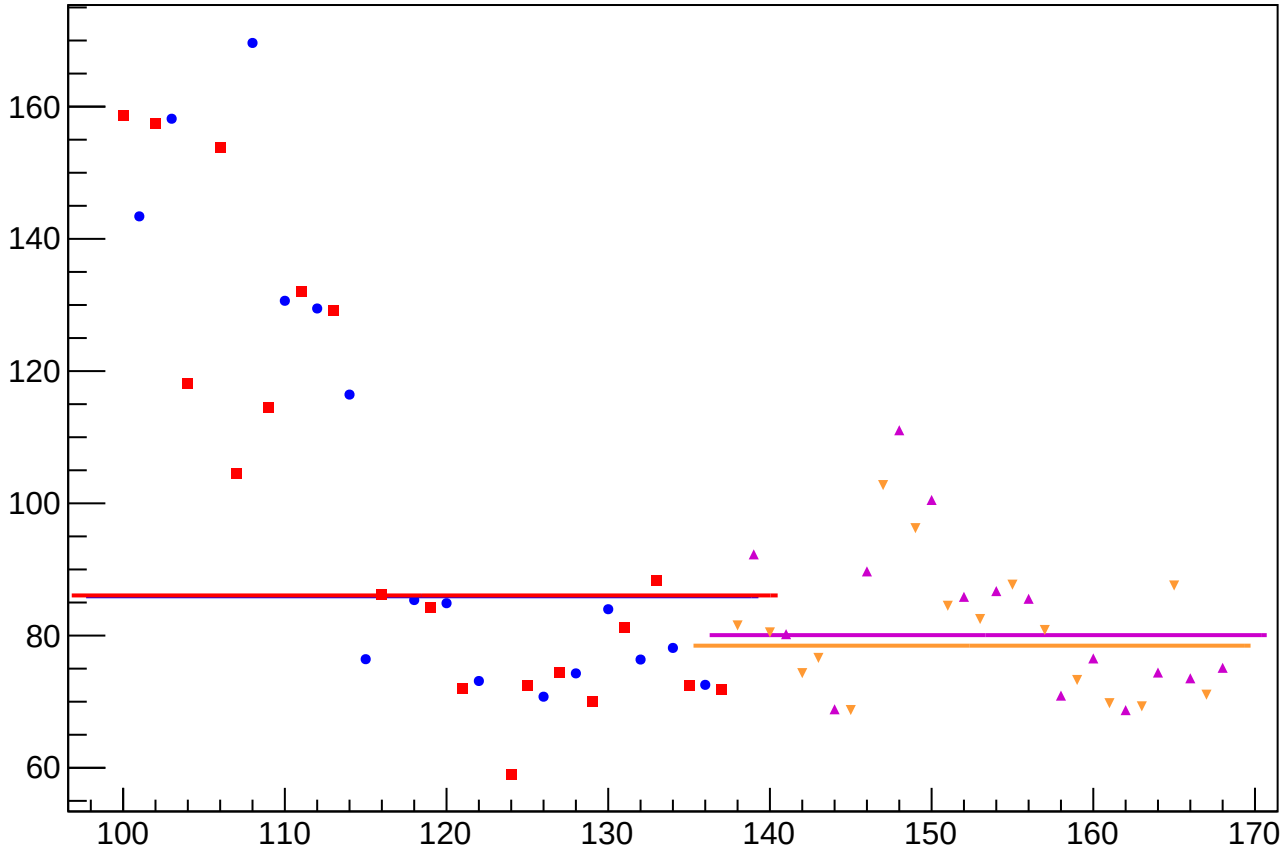
Left In: 0.016+/-0.023 χ^2/NDF:15.2/14

+ sign -0.009+/-0.019 χ^2/NDF: 32.9/31

All: 0.005+/-0.013 χ^2/NDF: 67.5/65

- sign 0.020+/-0.019 χ^2/NDF: 33.4/33

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.473+/-0.016 χ^2/NDF:314299.9/15

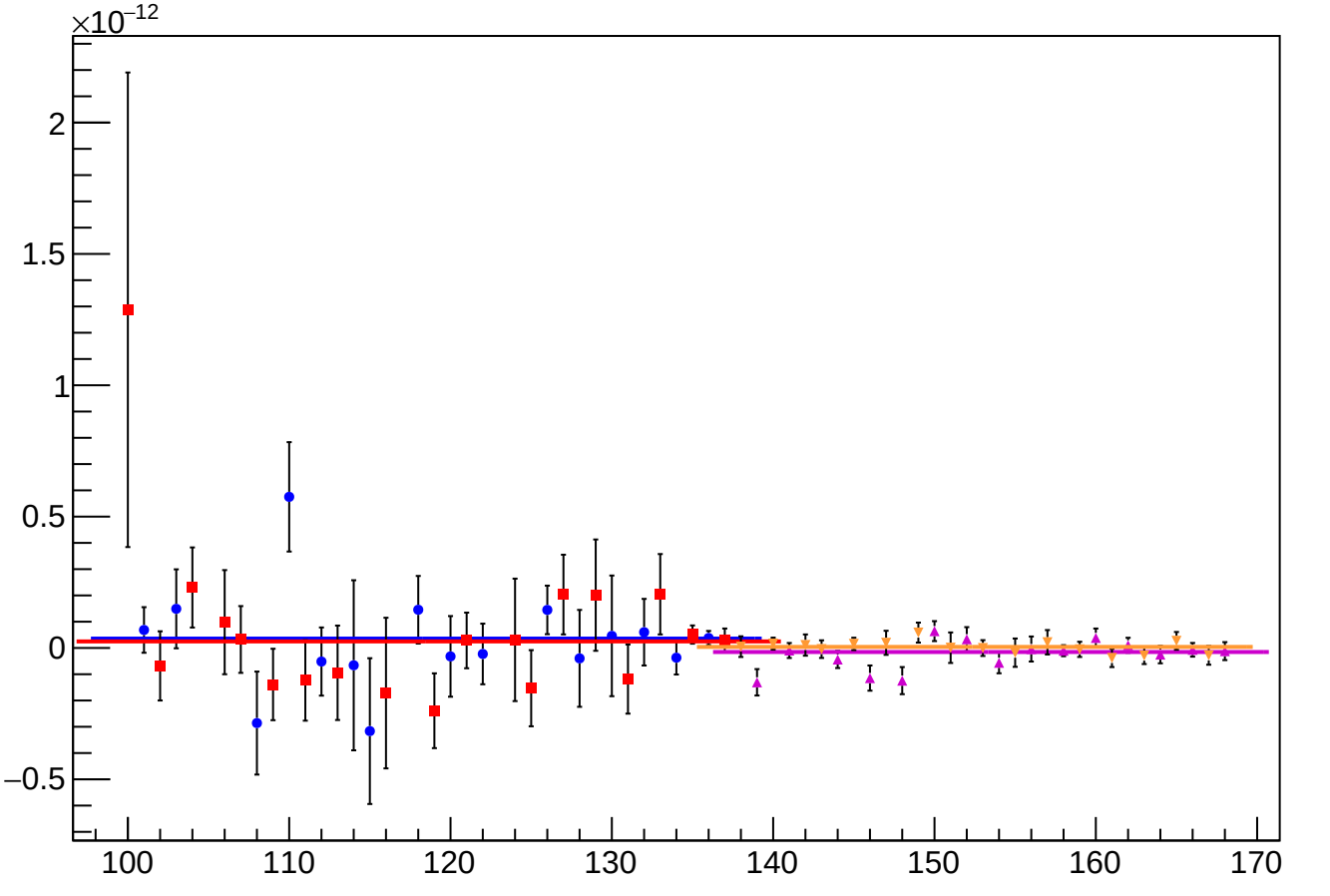
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.066+/-0.016 χ^2/NDF:424942.5/14

+ sign 80.782+/-0.013 χ^2/NDF: 1418795.0/31

All: 81.397+/-0.009 χ^2/NDF: 2884184.6/65

- sign 82.038+/-0.013 χ^2/NDF: 1460874.7/33



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/15

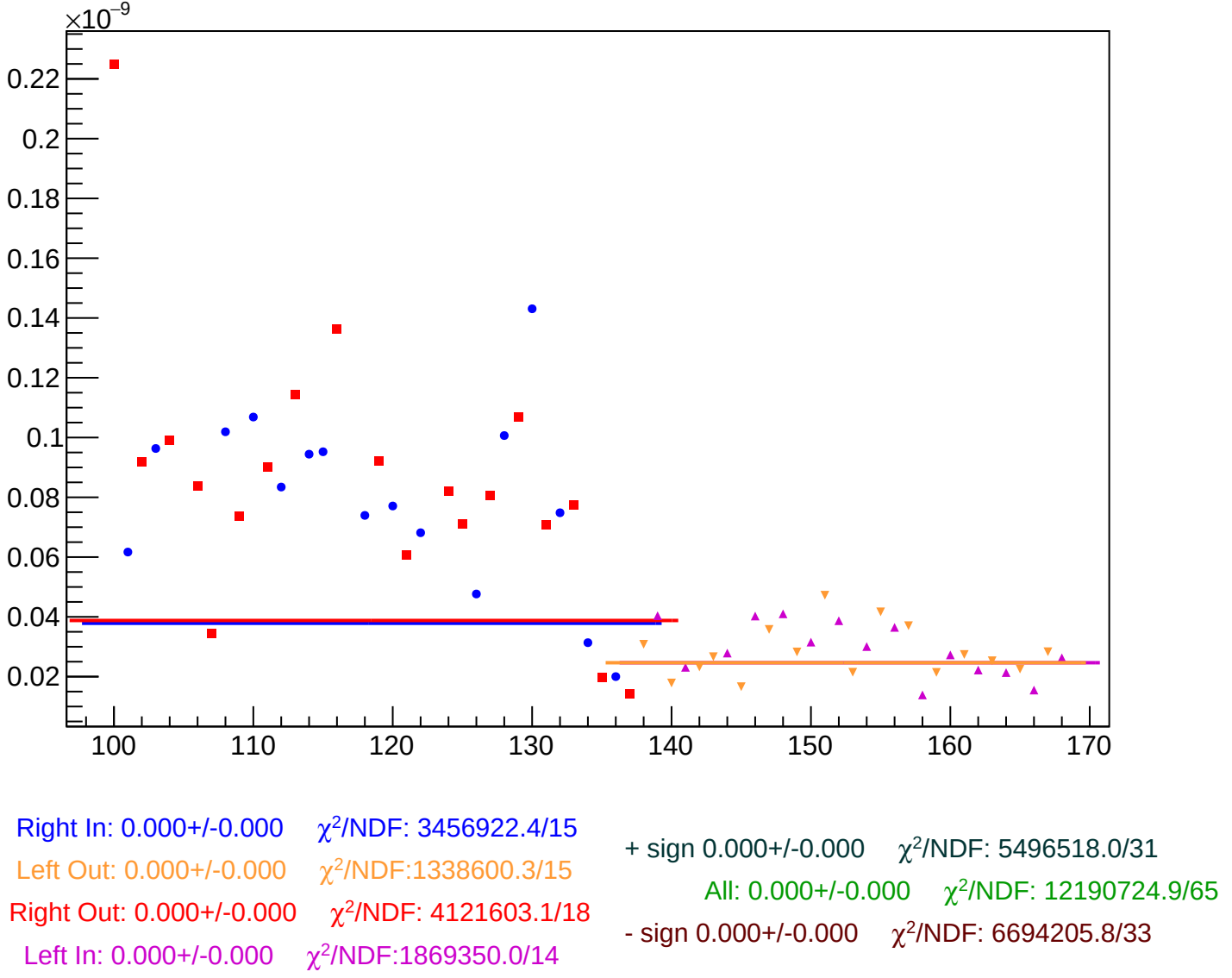
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:24.8/14

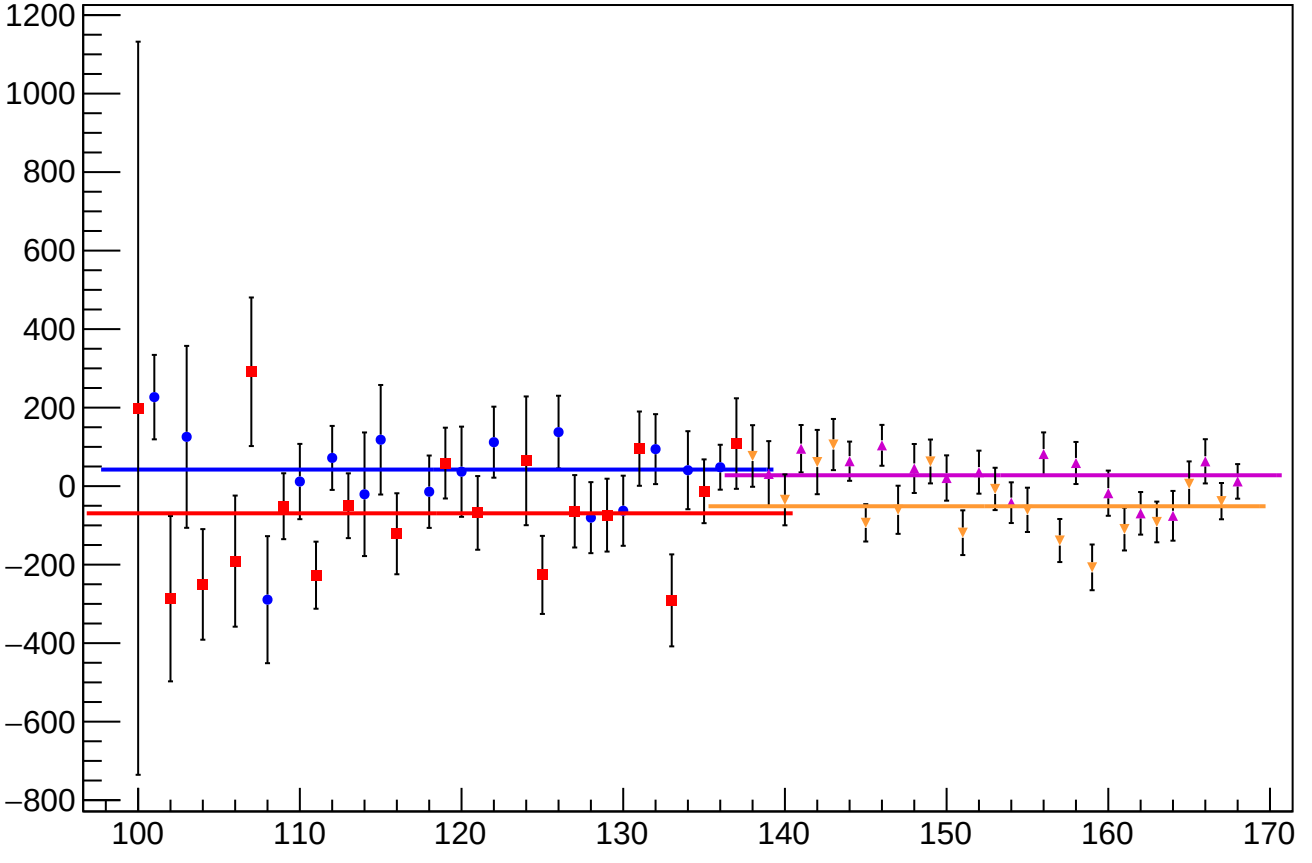
+ sign 0.000+/-0.000 χ^2/NDF: 25.4/31

All: -0.000+/-0.000 χ^2/NDF: 73.6/65

- sign -0.000+/-0.000 χ^2/NDF: 45.5/33


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:1338600.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:1869350.0/14
+ sign 0.000+/-0.000 χ²/NDF: 5496518.0/31
All: 0.000+/-0.000 χ²/NDF: 12190724.9/65
- sign 0.000+/-0.000 χ²/NDF: 6694205.8/33

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -51.273+/-14.303 χ^2/NDF:30.0/15

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

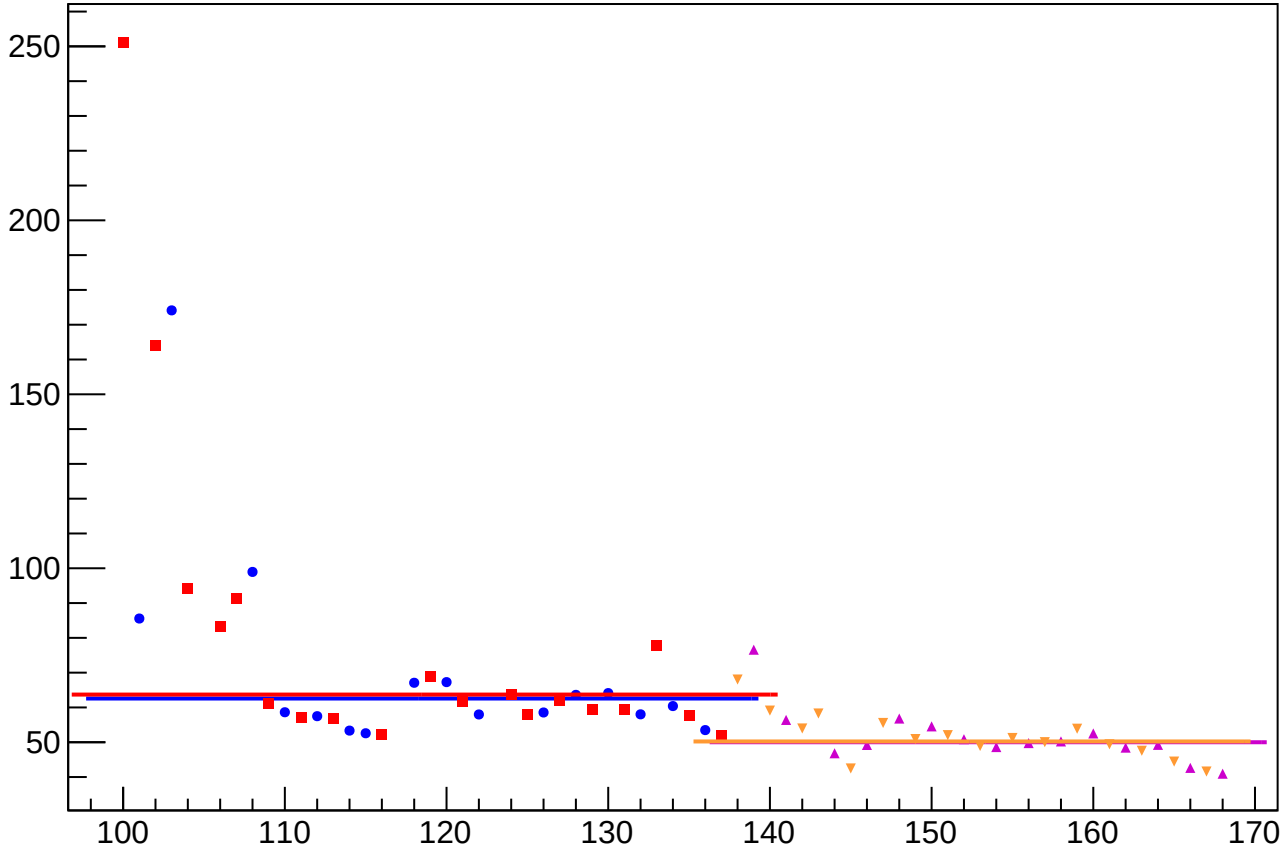
Left In: 27.685+/-14.362 χ^2/NDF:14.2/14

+ sign -27.080+/-12.314 χ^2/NDF: 54.6/31

All: -12.235+/-8.730 χ^2/NDF: 108.8/65

- sign 2.769+/-12.380 χ^2/NDF: 51.2/33

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 50.224+/-0.010 χ^2/NDF:351314.1/15

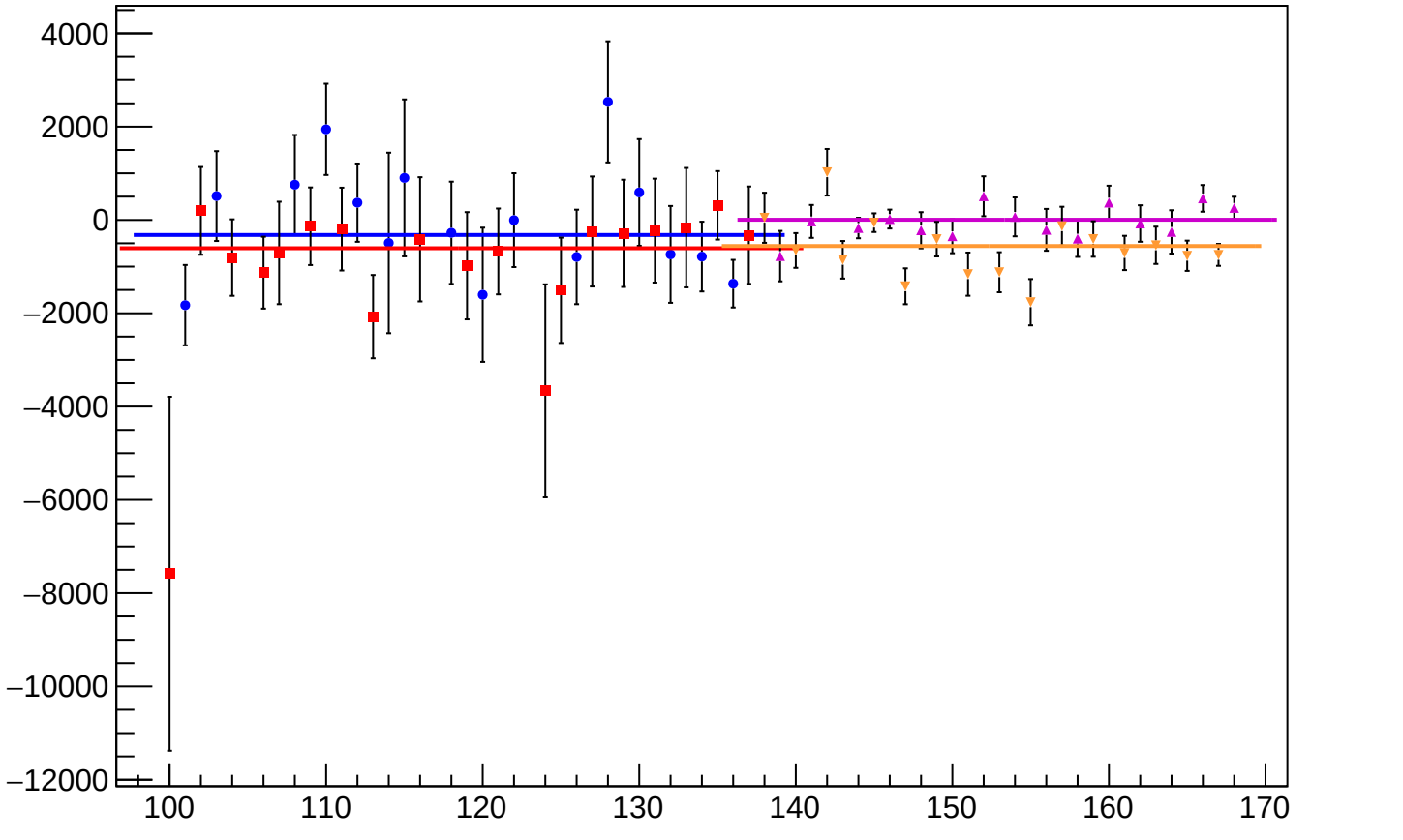
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 49.999+/-0.010 χ^2/NDF:396419.8/14

+ sign 53.417+/-0.009 χ^2/NDF: 1495280.2/31

All: 53.469+/-0.006 χ^2/NDF: 3193715.3/65

- sign 53.520+/-0.009 χ^2/NDF: 1698365.3/33



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -558.785+/-88.408 χ^2/NDF:35.1/15

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

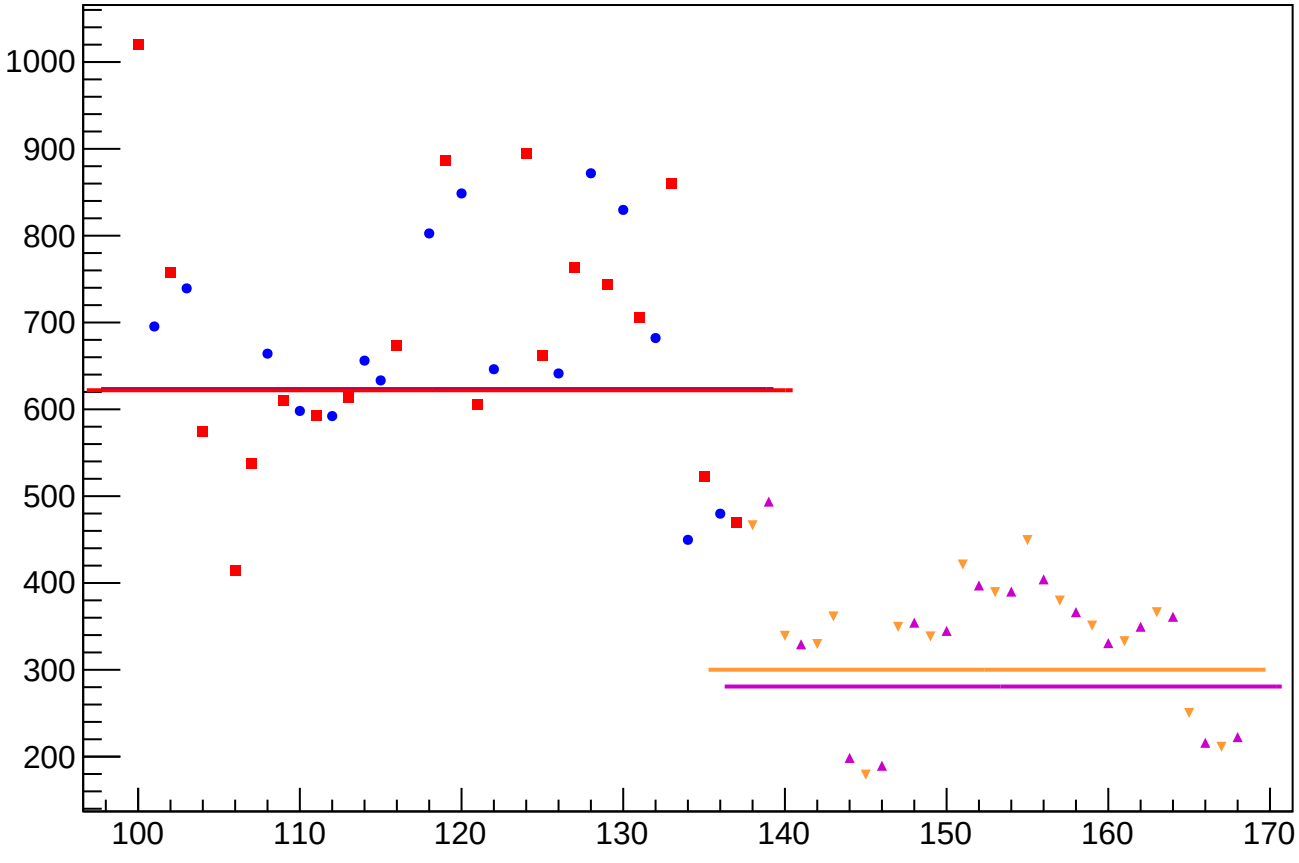
Left In: 5.067+/-83.939 χ^2/NDF:11.8/14

+ sign -530.135+/-82.895 χ^2/NDF: 58.7/31

All: -286.251+/-57.187 χ^2/NDF: 105.5/65

- sign -64.771+/-78.996 χ^2/NDF: 30.4/33

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 300.106+/-0.063 χ^2/NDF:1966198.6/15

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

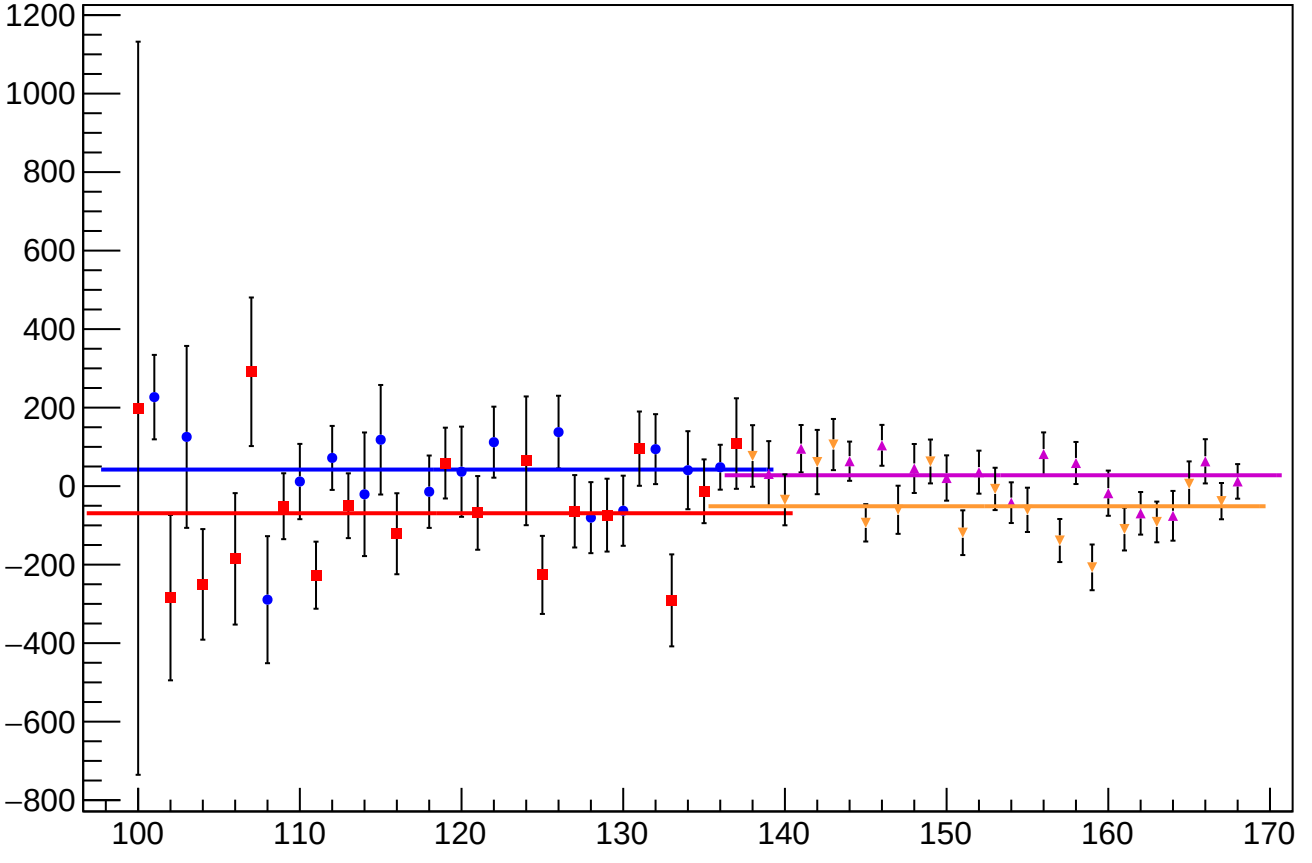
Left In: 280.750+/-0.059 χ^2/NDF:2082333.3/14

+ sign 339.141+/-0.059 χ^2/NDF: 5758738.7/31

All: 328.982+/-0.040 χ^2/NDF: 12259167.1/65

- sign 319.757+/-0.056 χ^2/NDF: 6443119.5/33

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -51.269+/-14.303 χ^2/NDF:30.0/15

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

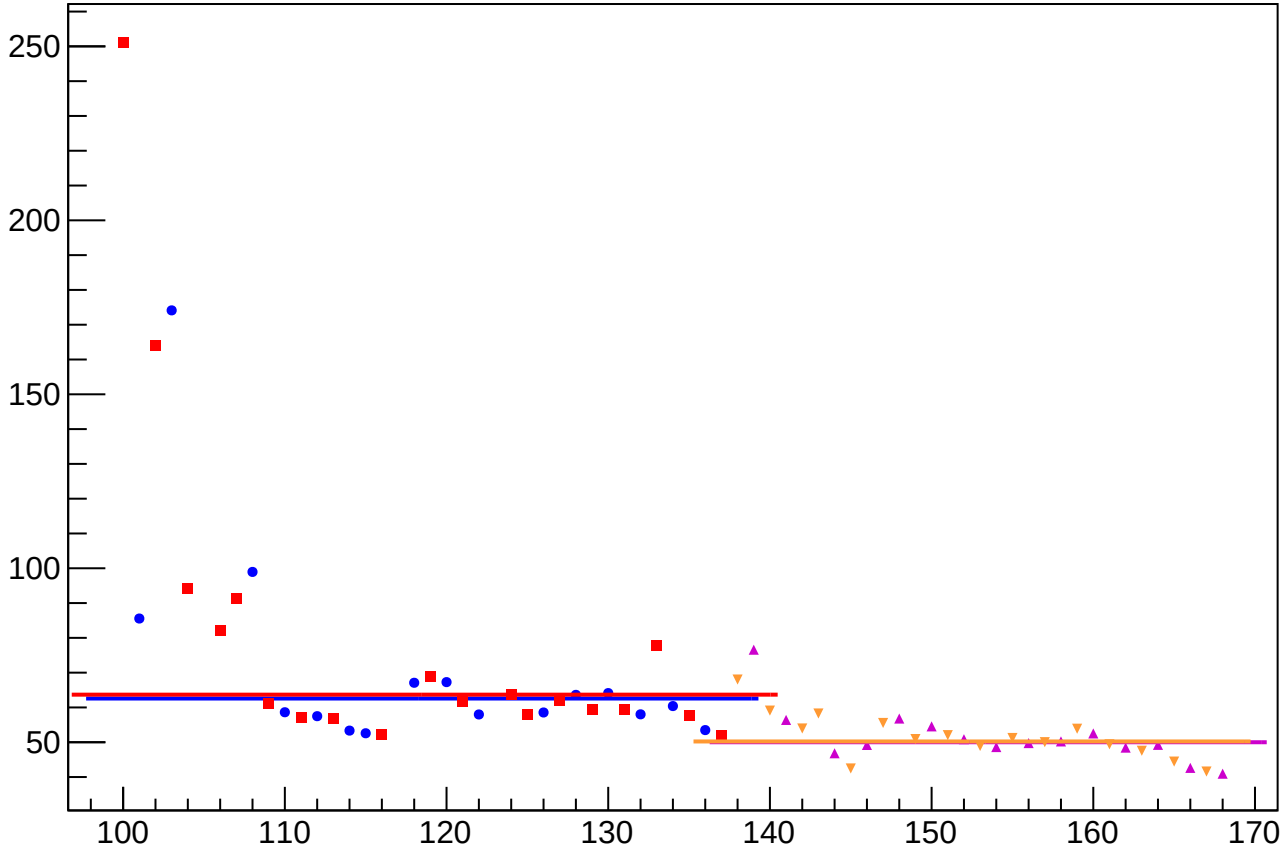
Left In: 27.684+/-14.362 χ^2/NDF:14.2/14

+ sign -27.079+/-12.314 χ^2/NDF: 54.6/31

All: -12.211+/-8.730 χ^2/NDF: 108.6/65

- sign 2.817+/-12.380 χ^2/NDF: 51.1/33

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 50.224+/-0.010 χ^2/NDF:351314.0/15

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

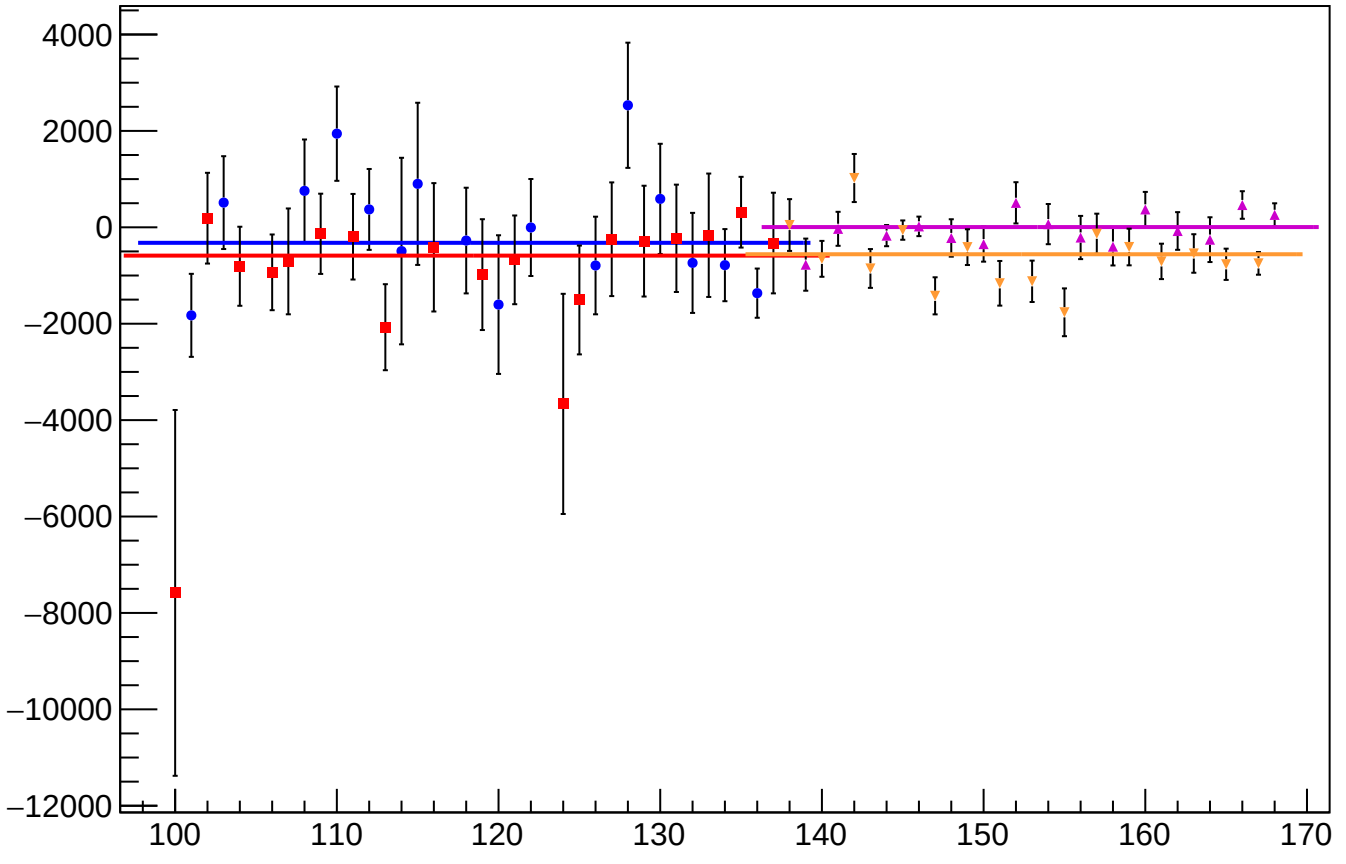
Left In: 49.999+/-0.010 χ^2/NDF:396419.8/14

+ sign 53.417+/-0.009 χ^2/NDF: 1495282.0/31

All: 53.465+/-0.006 χ^2/NDF: 3189271.9/65

- sign 53.514+/-0.009 χ^2/NDF: 1693928.6/33

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -558.778+/-88.408 χ^2/NDF:35.1/15

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

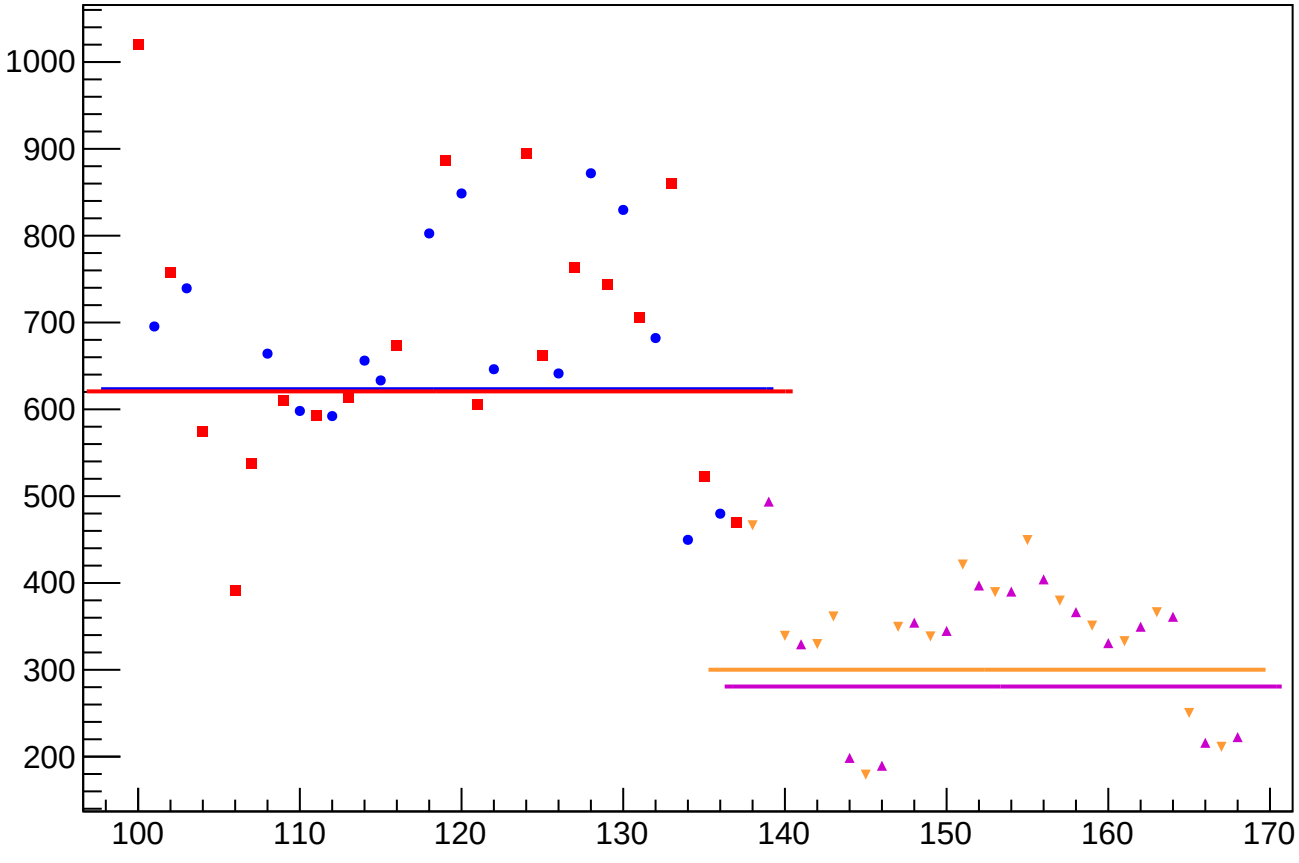
Left In: 5.064+/-83.939 χ^2/NDF:11.8/14

+ sign -530.129+/-82.895 χ^2/NDF: 58.7/31

All: -285.066+/-57.194 χ^2/NDF: 105.0/65

- sign -62.420+/-79.013 χ^2/NDF: 29.7/33

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 300.105+/-0.063 χ^2/NDF:1966214.7/15

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

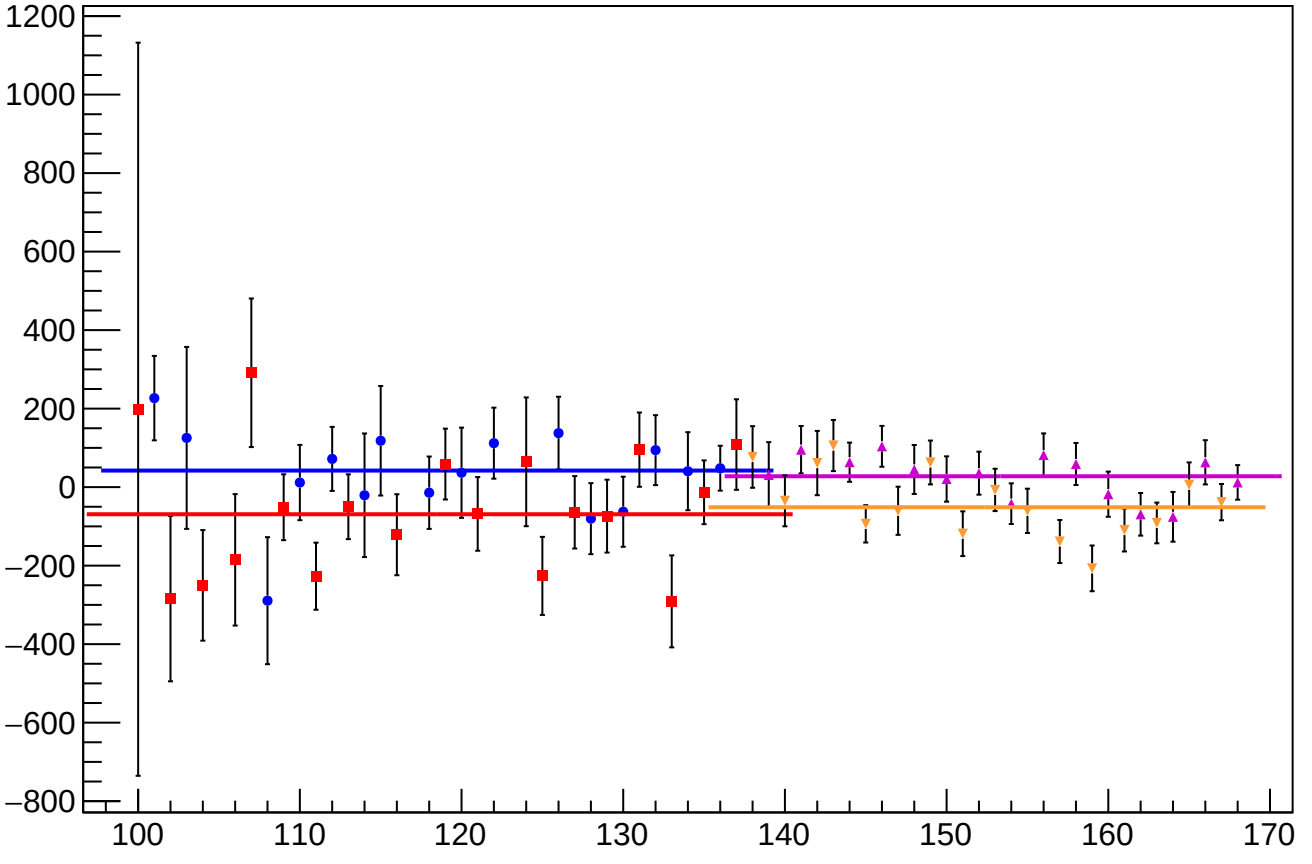
Left In: 280.750+/-0.059 χ^2/NDF:2082337.6/14

+ sign 339.140+/-0.059 χ^2/NDF: 5758820.6/31

All: 328.839+/-0.040 χ^2/NDF: 12247664.7/65

- sign 319.480+/-0.056 χ^2/NDF: 6429898.6/33

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -51.269+/-14.303 χ^2/NDF:30.0/15

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

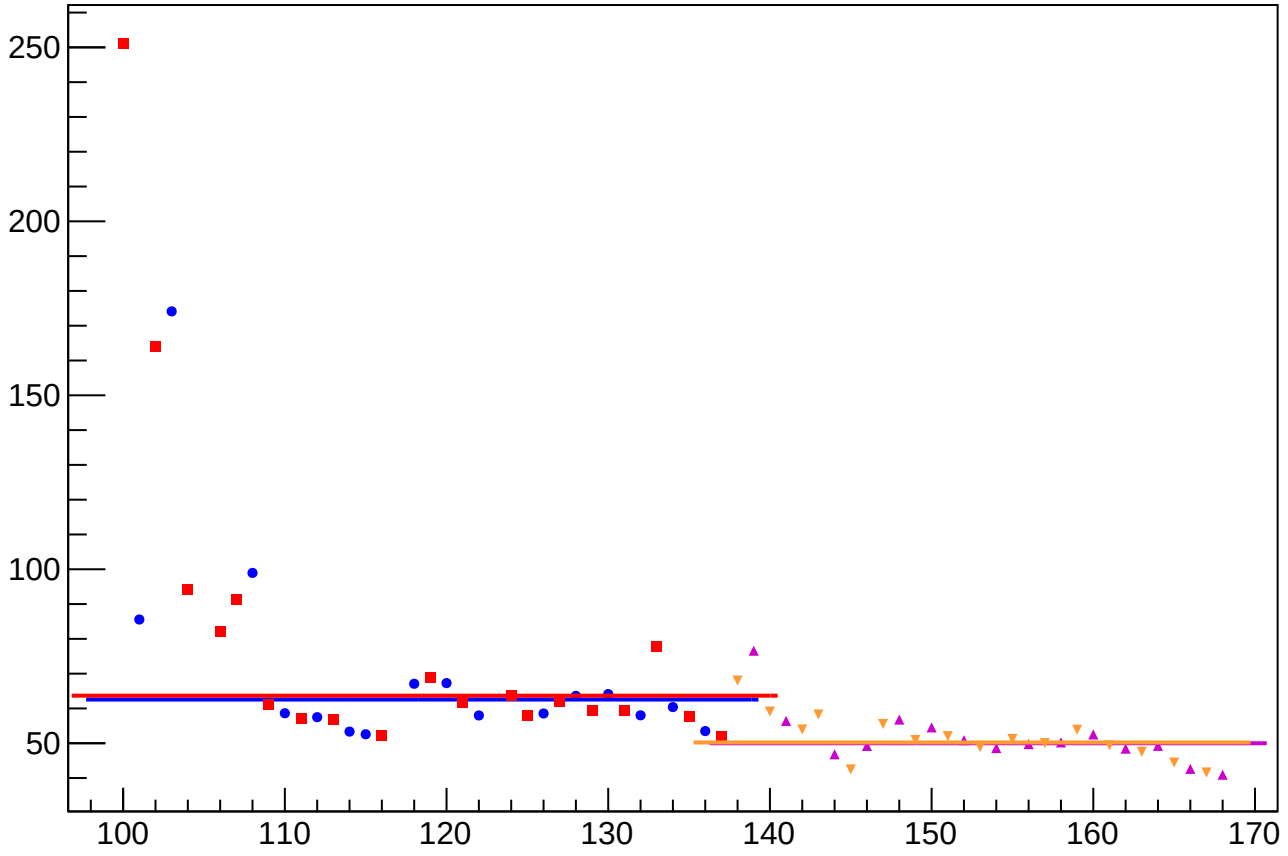
Left In: 27.684+/-14.362 χ^2/NDF:14.2/14

+ sign -27.079+/-12.314 χ^2/NDF: 54.6/31

All: -12.211+/-8.730 χ^2/NDF: 108.6/65

- sign 2.817+/-12.380 χ^2/NDF: 51.1/33

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 50.224+/-0.010 χ^2/NDF:351314.0/15

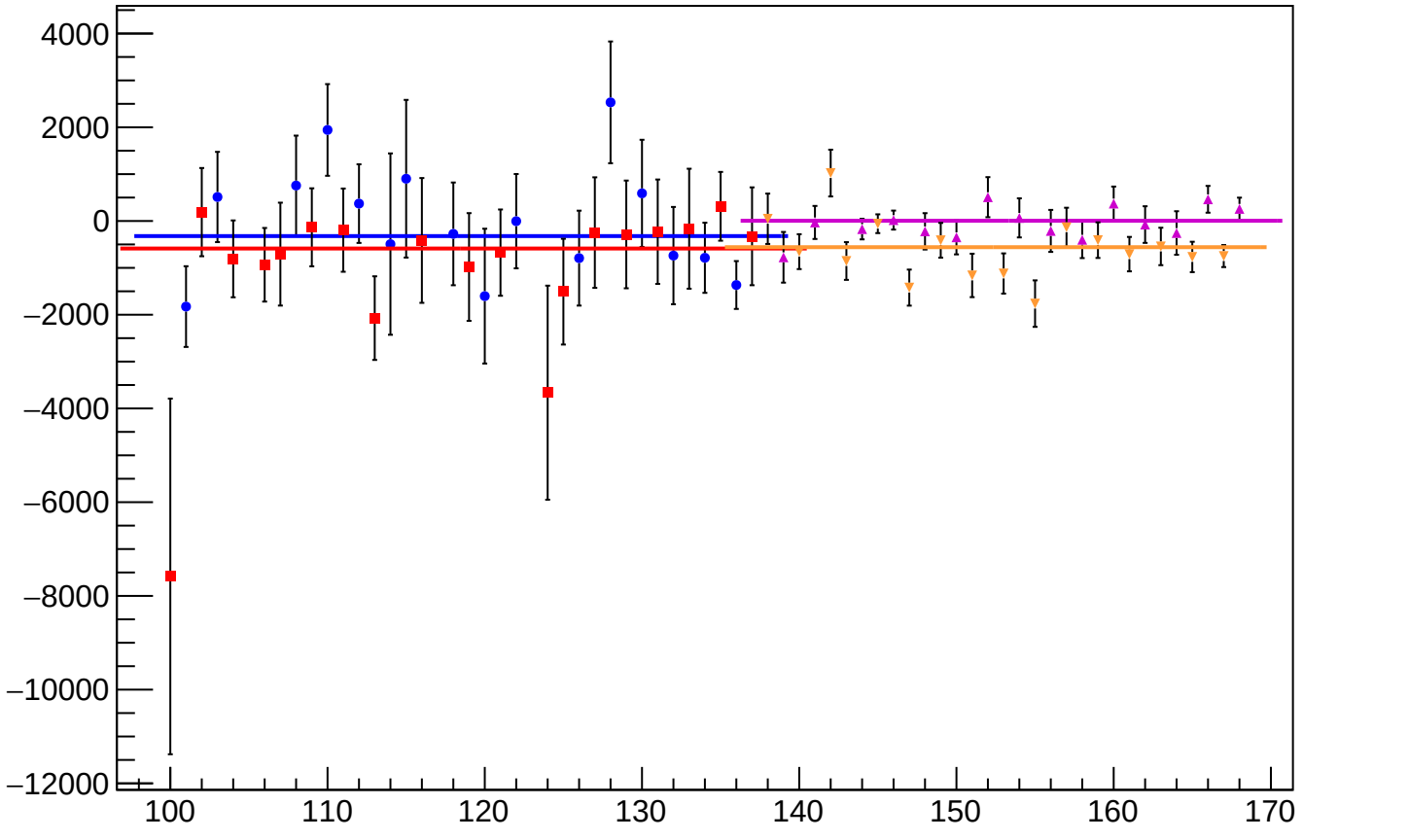
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 49.999+/-0.010 χ^2/NDF:396419.8/14

+ sign 53.417+/-0.009 χ^2/NDF: 1495282.0/31

All: 53.465+/-0.006 χ^2/NDF: 3189271.9/65

- sign 53.514+/-0.009 χ^2/NDF: 1693928.6/33



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -558.778+/-88.408 χ^2/NDF:35.1/15

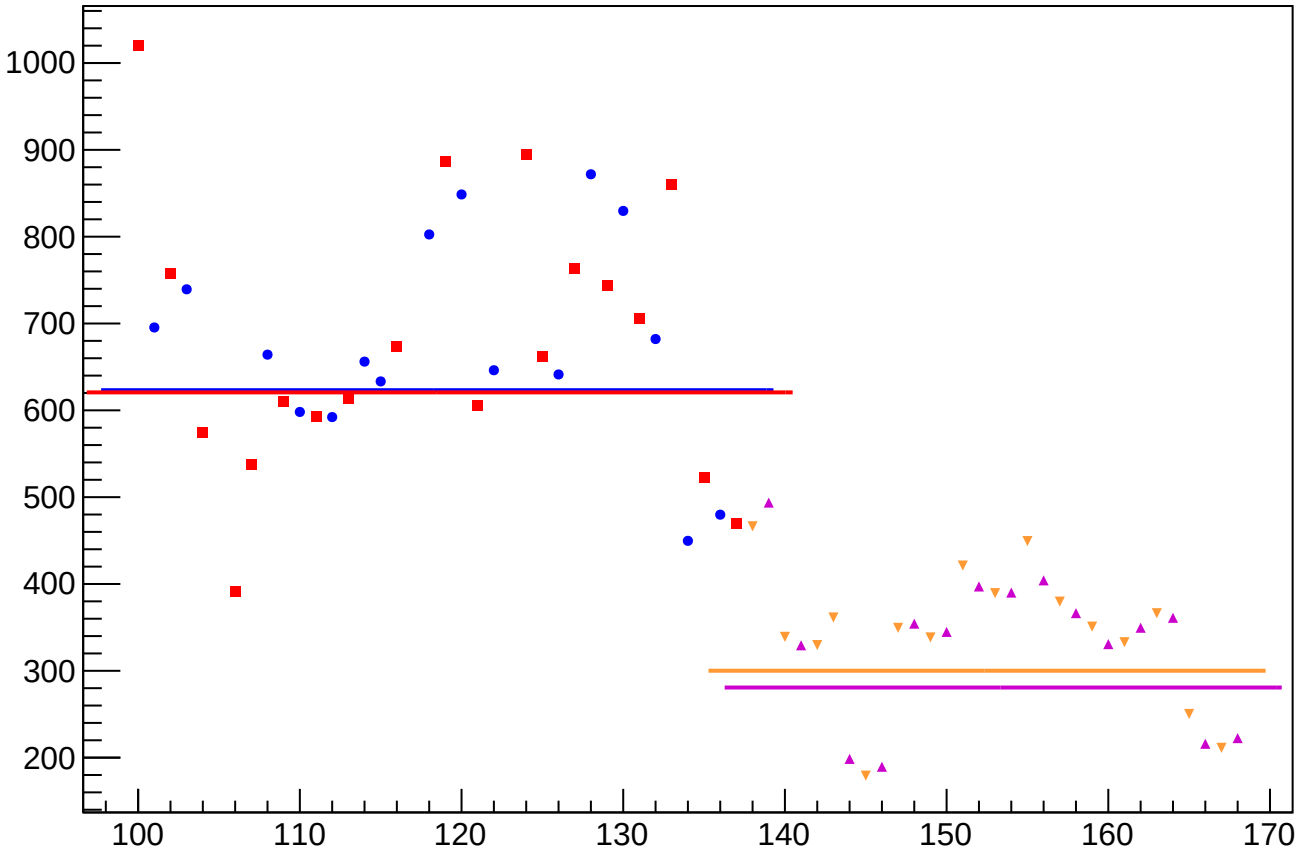
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 5.064+/-83.939 χ^2/NDF:11.8/14

+ sign -530.129+/-82.895 χ^2/NDF: 58.7/31

All: -285.066+/-57.194 χ^2/NDF: 105.0/65

- sign -62.420+/-79.013 χ^2/NDF: 29.7/33



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 300.105+/-0.063 χ^2/NDF:1966214.7/15

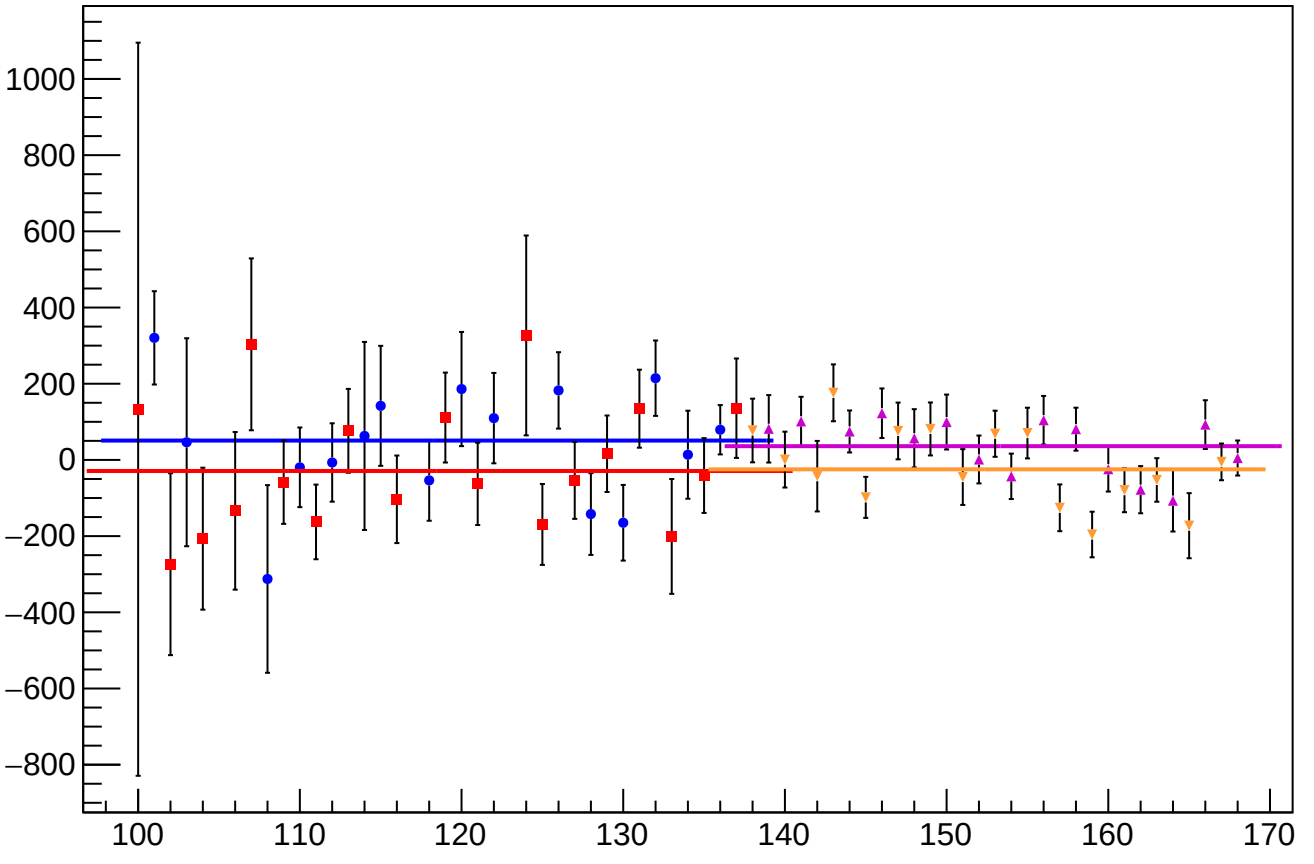
Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 280.750+/-0.059 χ^2/NDF:2082337.6/14

+ sign 339.140+/-0.059 χ^2/NDF: 5758820.6/31

All: 328.839+/-0.040 χ^2/NDF: 12247664.7/65

- sign 319.480+/-0.056 χ^2/NDF: 6429898.6/33



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -24.707+/-16.306 χ^2/NDF:34.6/15

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

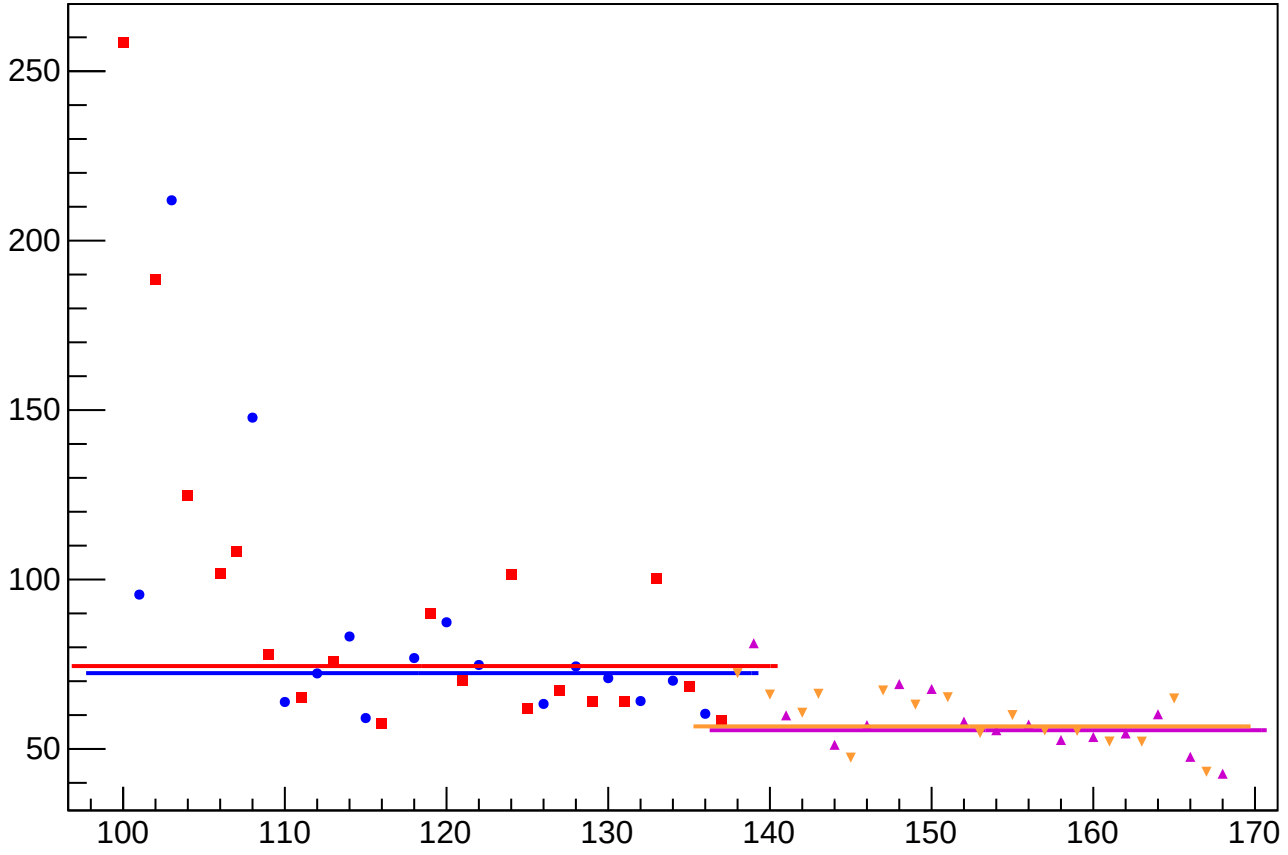
Left In: 36.082+/-16.195 χ^2/NDF:17.0/14

\+ sign -5.894+/-14.130 χ^2/NDF: 62.8/31

All: 7.318+/-9.991 χ^2/NDF: 104.0/65

\- sign 20.527+/-14.129 χ^2/NDF: 39.4/33

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 56.664+/-0.012 χ^2/NDF:490653.2/15

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

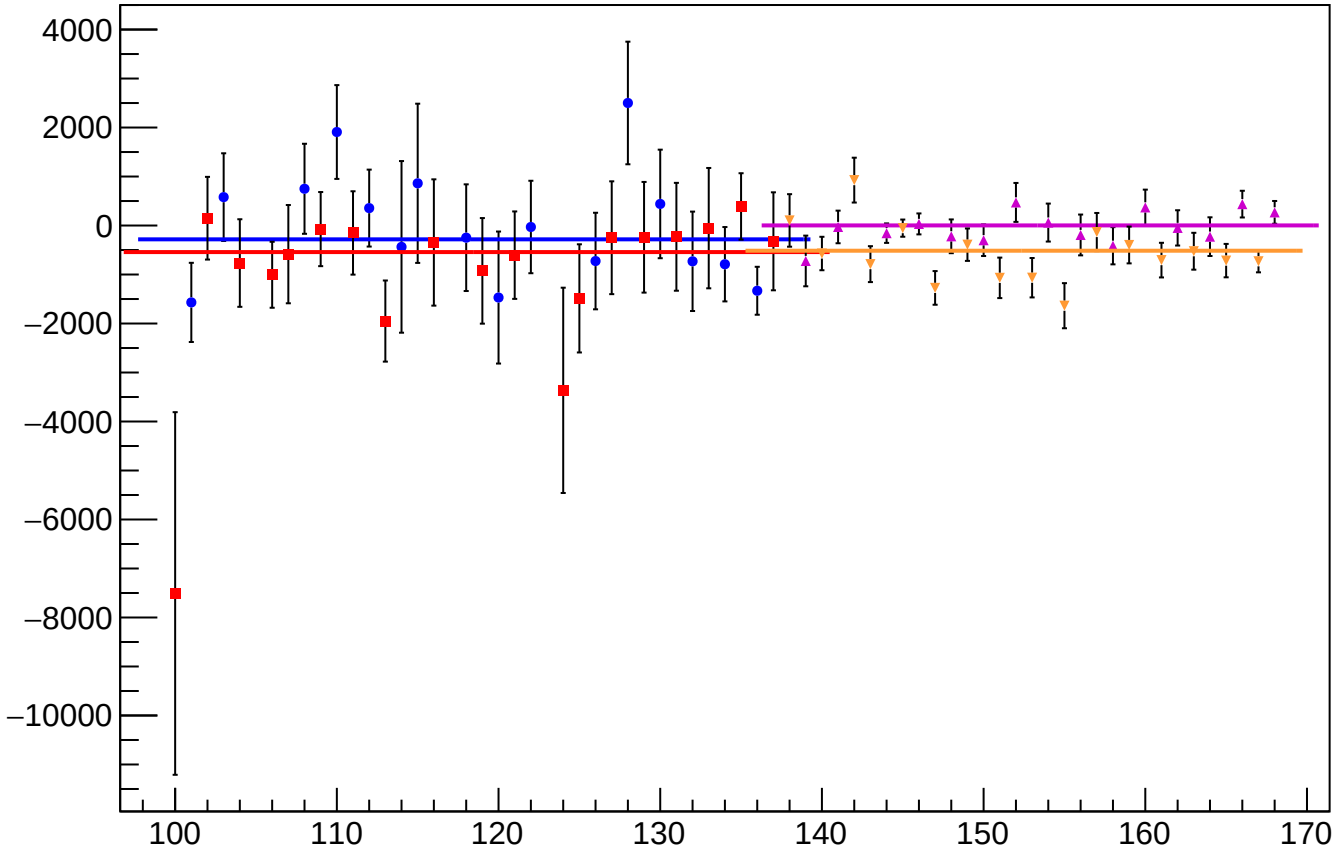
Left In: 55.534+/-0.011 χ^2/NDF:516409.5/14

+ sign 60.577+/-0.010 χ^2/NDF: 1891381.9/31

All: 60.316+/-0.007 χ^2/NDF: 4114068.0/65

- sign 60.056+/-0.010 χ^2/NDF: 2221326.3/33

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -514.304+/-82.163 χ^2/NDF:36.0/15

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

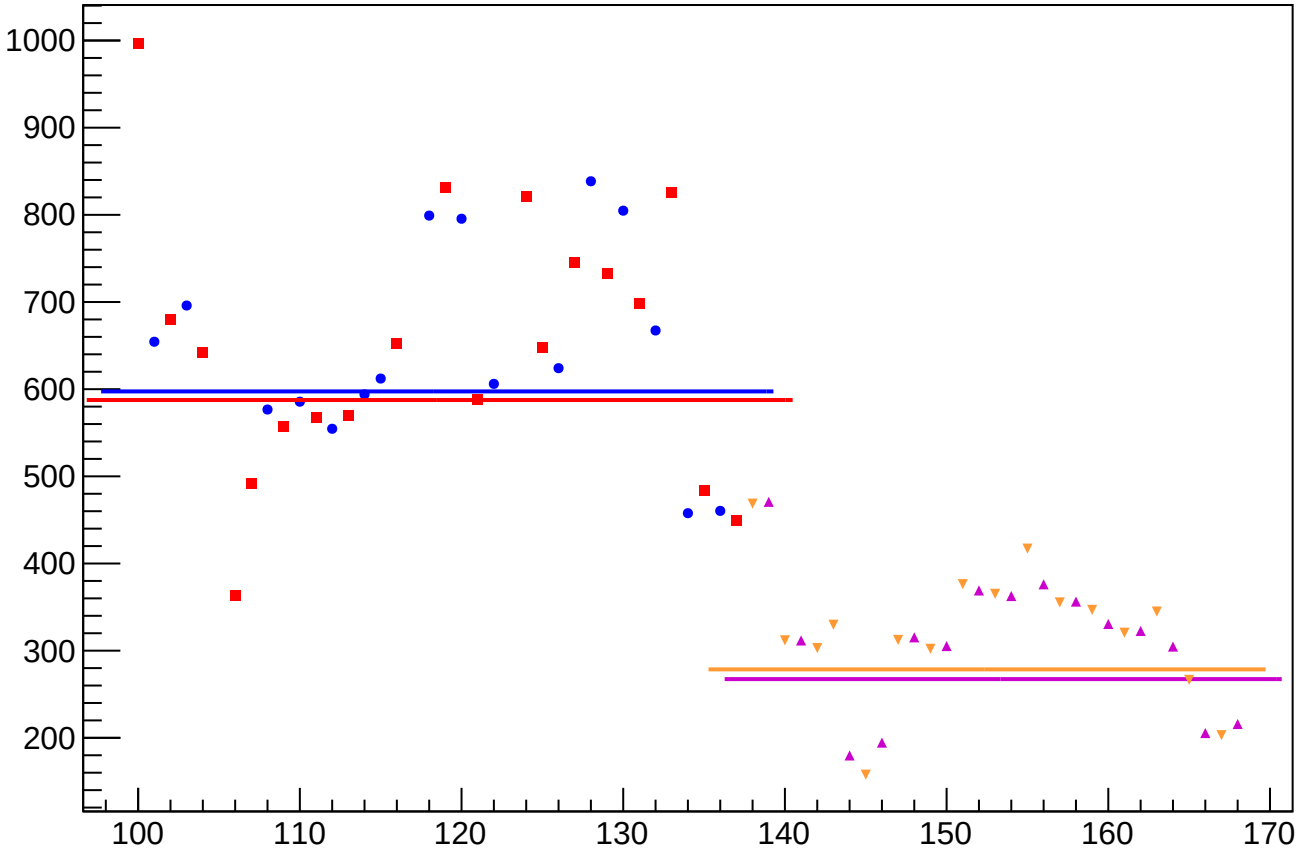
Left In: 2.126+/-79.696 χ^2/NDF:12.0/14

+ sign -487.565+/-77.289 χ^2/NDF: 59.7/31

All: -267.541+/-53.812 χ^2/NDF: 106.0/65

- sign -60.542+/-74.966 χ^2/NDF: 30.6/33

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 278.536+/-0.058 χ^2/NDF:2139796.3/15

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

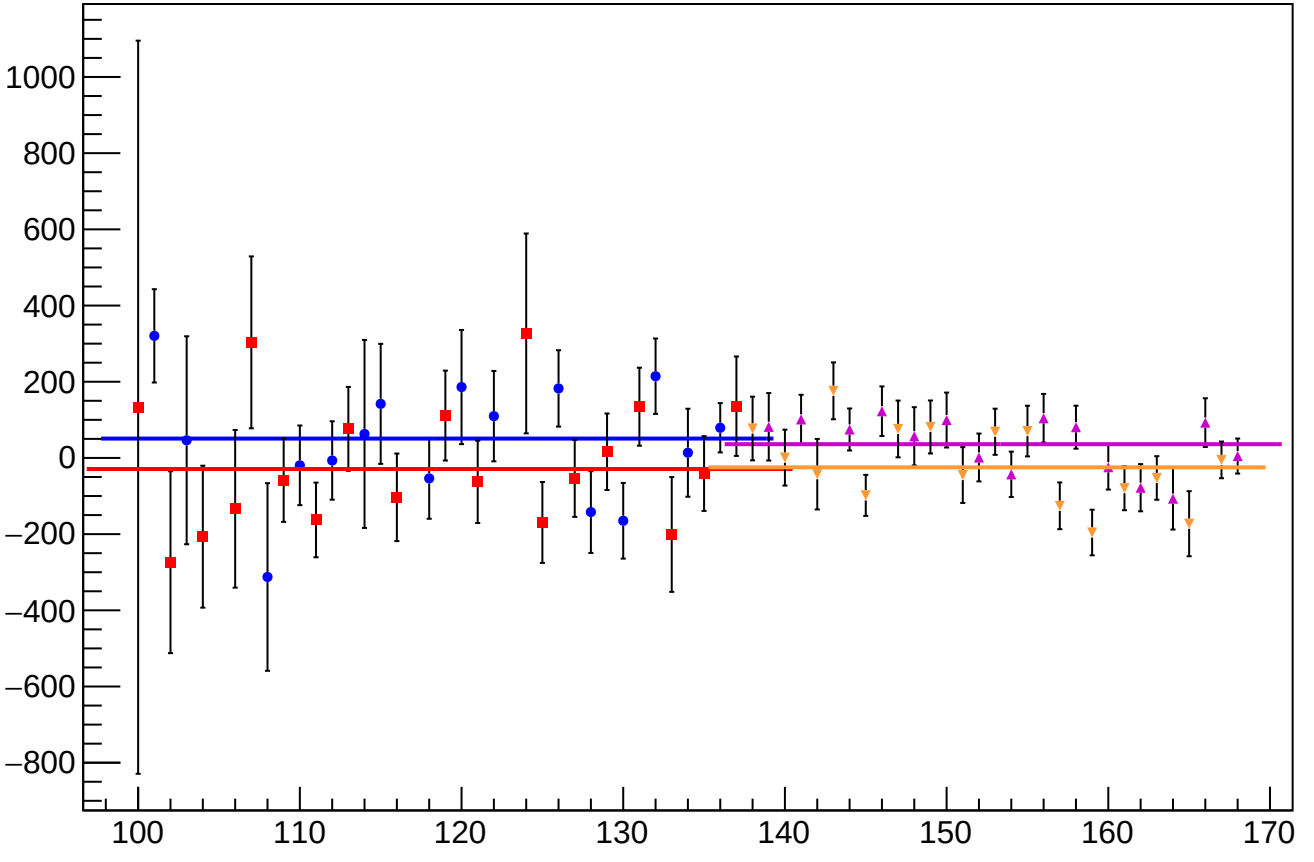
Left In: 267.374+/-0.056 χ^2/NDF:1857463.1/14

+ sign 315.250+/-0.055 χ^2/NDF: 6142229.6/31

All: 309.582+/-0.038 χ^2/NDF: 12427555.8/65

- sign 304.249+/-0.053 χ^2/NDF: 6264449.0/33

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -24.706+/-16.306 χ^2/NDF:34.6/15

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

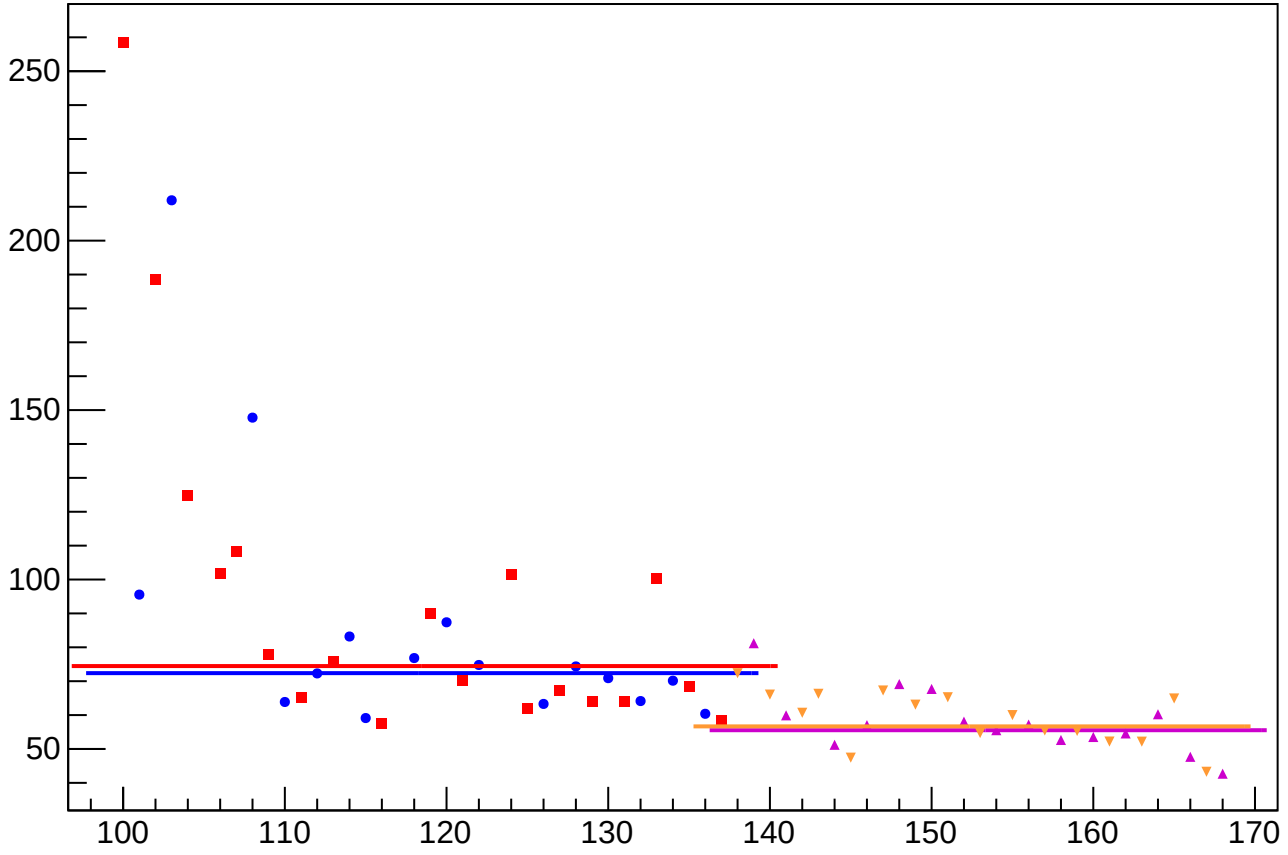
Left In: 36.082+/-16.195 χ^2/NDF:17.0/14

+ sign -5.893+/-14.131 χ^2/NDF: 62.8/31

All: 7.318+/-9.991 χ^2/NDF: 104.0/65

- sign 20.527+/-14.129 χ^2/NDF: 39.4/33

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 56.664+/-0.012 χ^2/NDF:490669.0/15

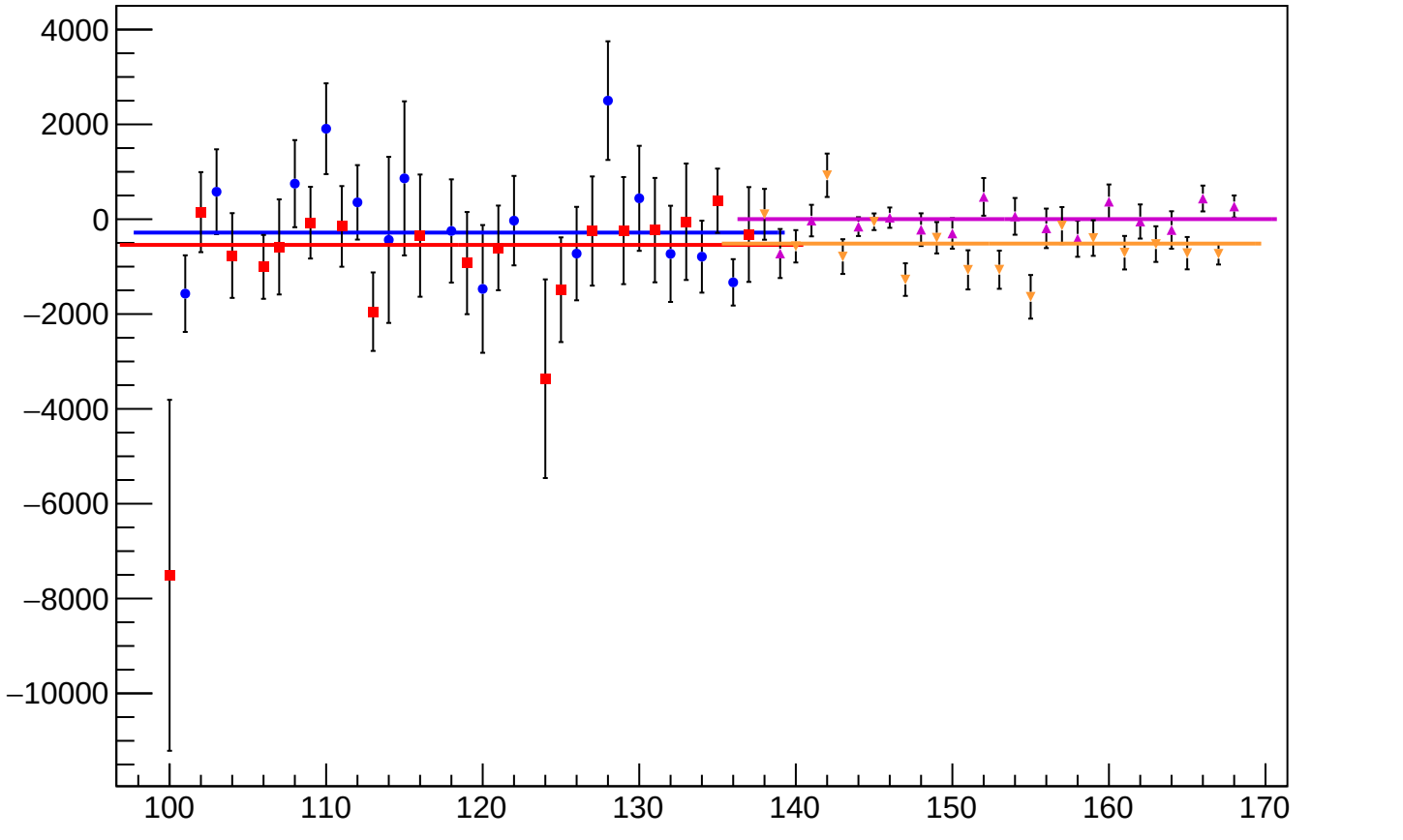
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 55.535+/-0.011 χ^2/NDF:516416.1/14

+ sign 60.577+/-0.010 χ^2/NDF: 1891385.6/31

All: 60.317+/-0.007 χ^2/NDF: 4114059.1/65

- sign 60.056+/-0.010 χ^2/NDF: 2221313.7/33



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -514.304+/-82.163 χ^2/NDF:36.0/15

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

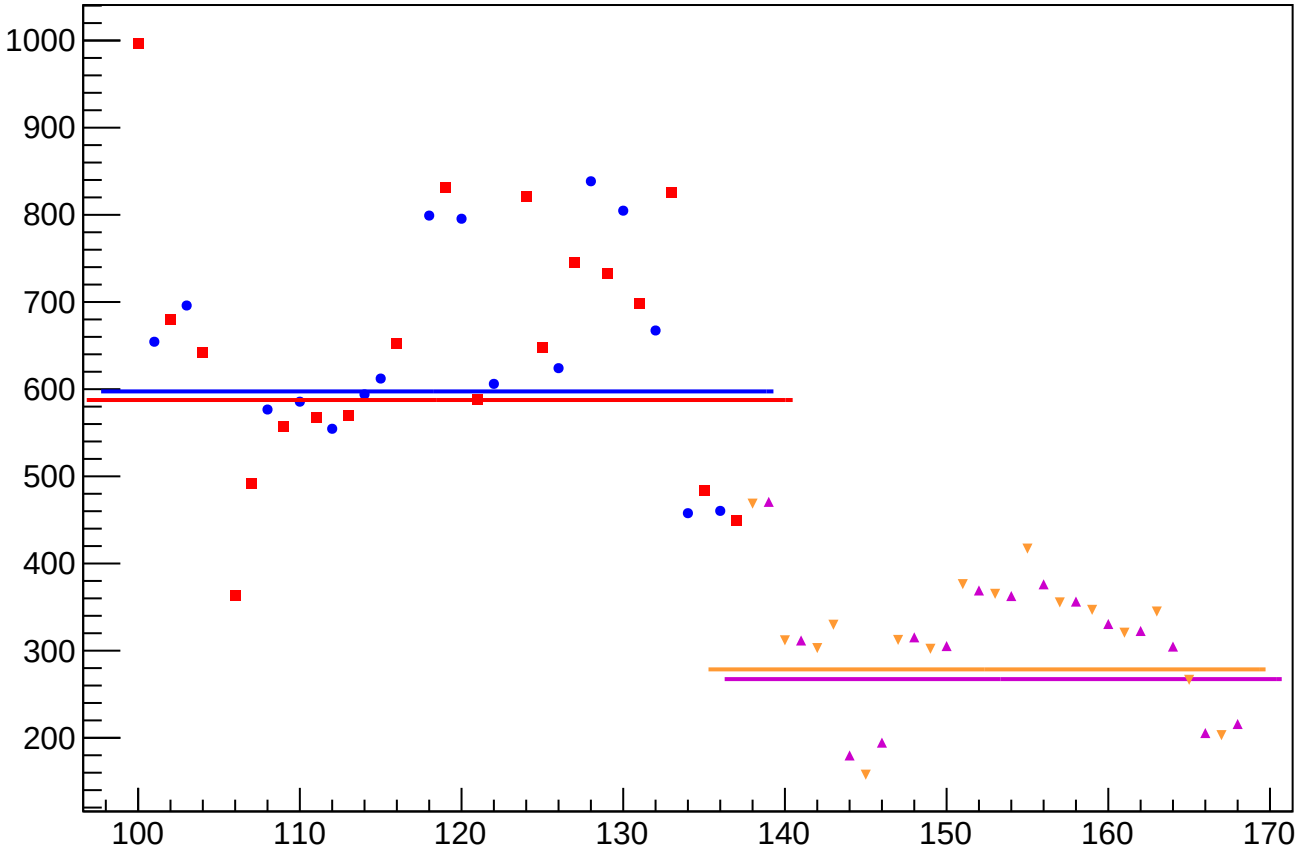
Left In: 2.126+/-79.696 χ^2/NDF:12.0/14

+ sign -487.565+/-77.289 χ^2/NDF: 59.7/31

All: -267.541+/-53.812 χ^2/NDF: 106.0/65

- sign -60.542+/-74.966 χ^2/NDF: 30.6/33

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 278.536+/-0.058 χ^2/NDF:2139787.2/15

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

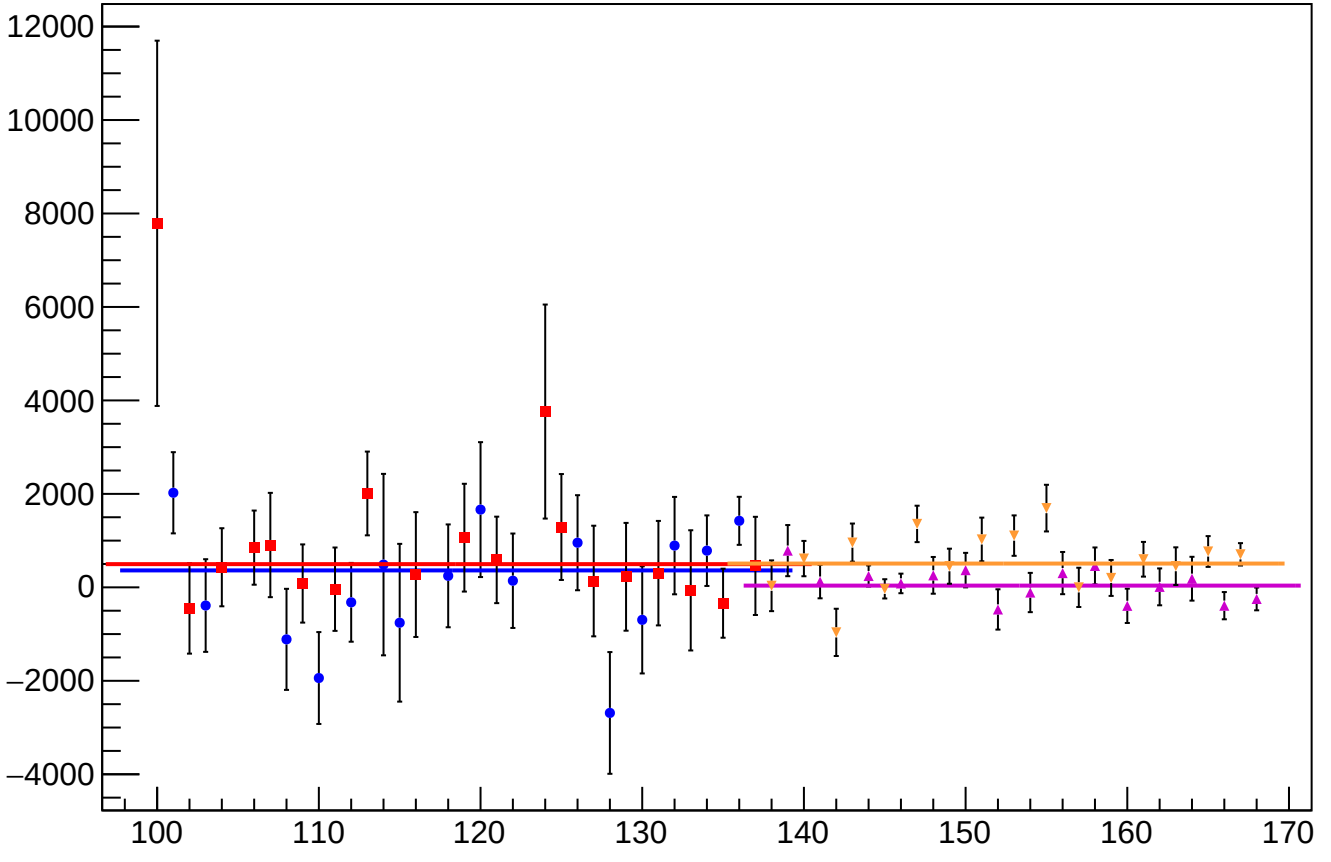
Left In: 267.373+/-0.056 χ^2/NDF:1857456.7/14

+ sign 315.249+/-0.055 χ^2/NDF: 6142228.2/31

All: 309.581+/-0.038 χ^2/NDF: 12427549.9/65

- sign 304.249+/-0.053 χ^2/NDF: 6264444.2/33

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 508.982+/-89.810 χ^2/NDF:34.5/15

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

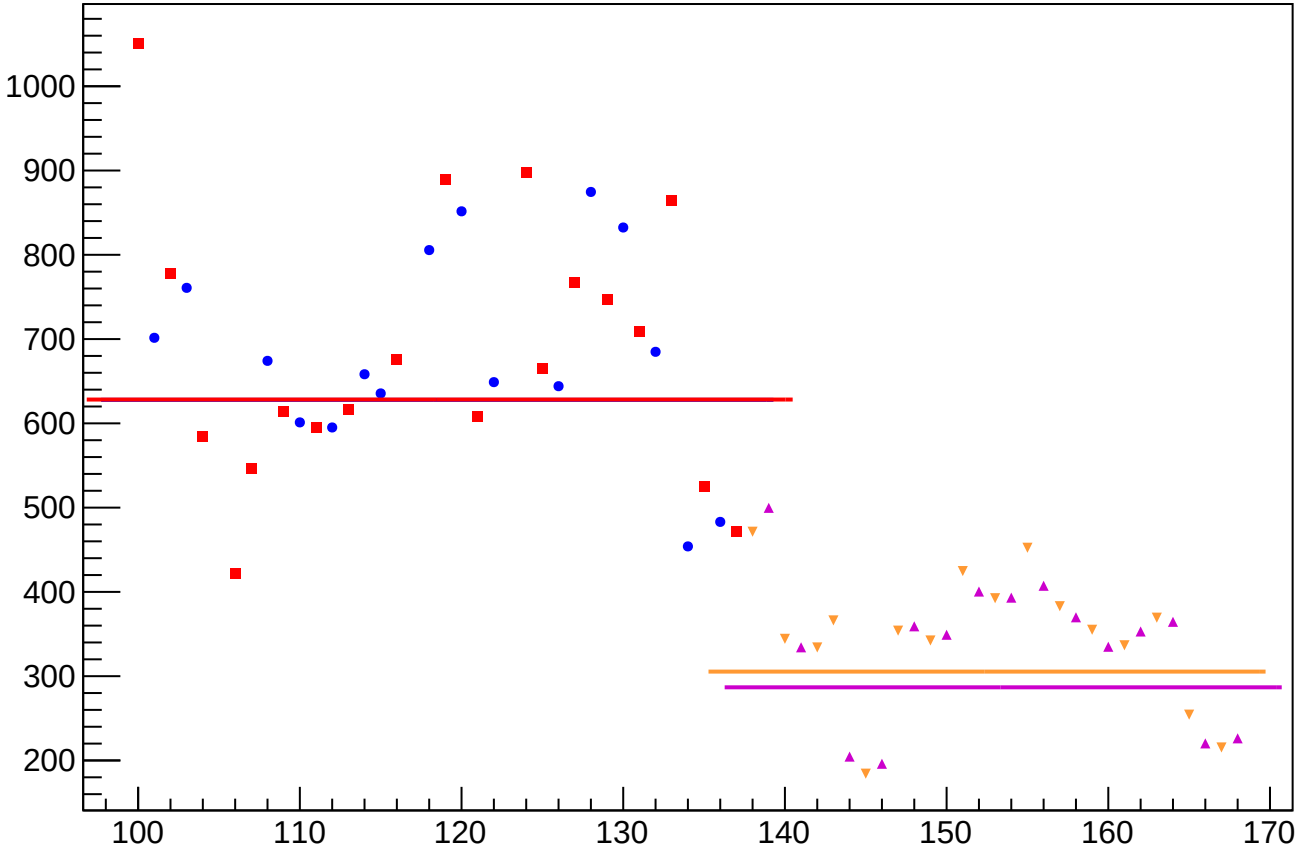
Left In: 37.182+/-85.516 χ^2/NDF:12.0/14

+ sign 491.015+/-84.126 χ^2/NDF: 59.9/31

All: 281.693+/-58.125 χ^2/NDF: 99.7/65

- sign 90.496+/-80.402 χ^2/NDF: 28.0/33

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 305.436+/-0.064 χ^2/NDF:1881837.4/15

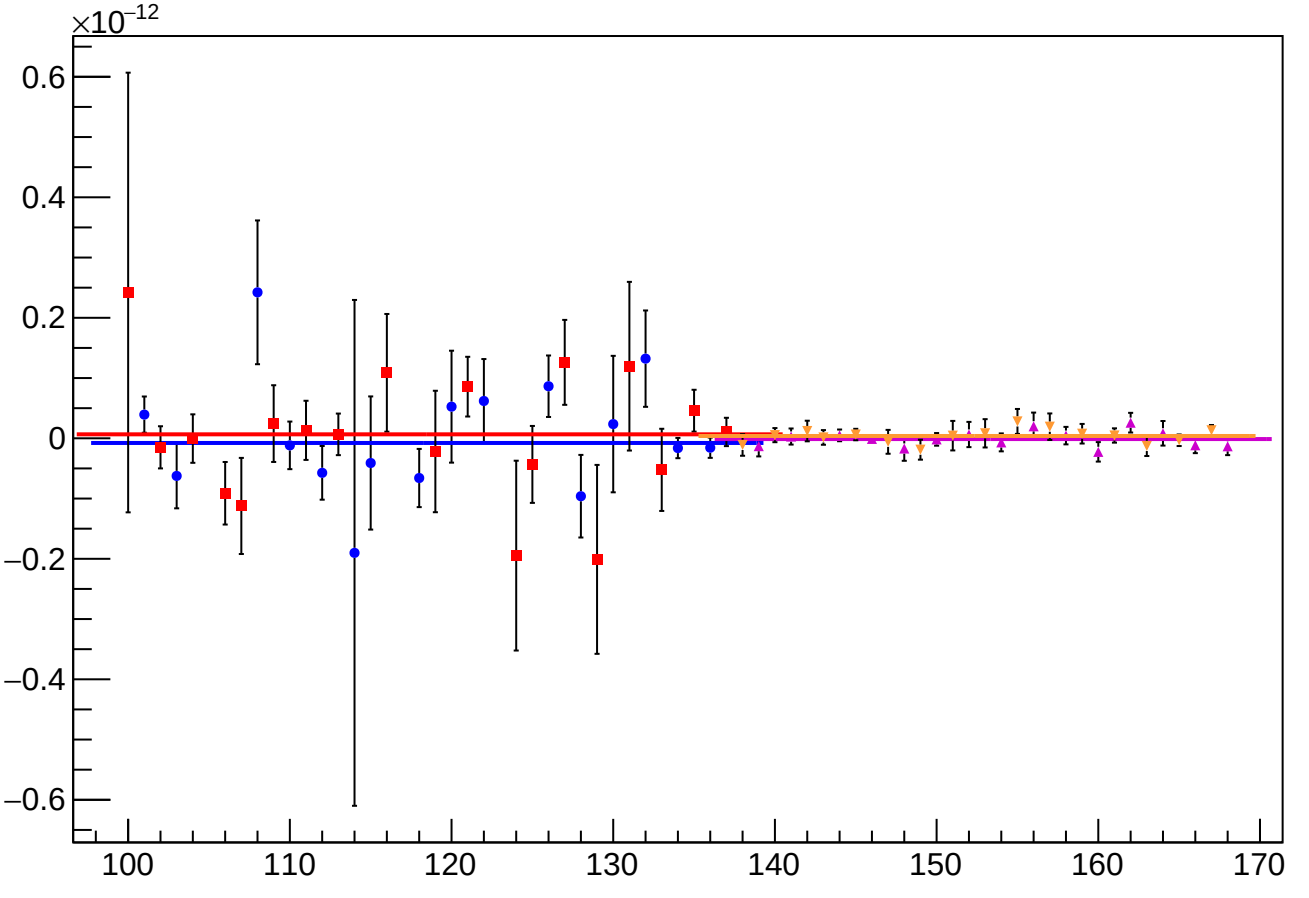
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 286.779+/-0.060 χ^2/NDF:1974867.7/14

+ sign 344.957+/-0.059 χ^2/NDF: 5608582.6/31

All: 335.260+/-0.041 χ^2/NDF: 11905607.3/65

- sign 326.403+/-0.057 χ^2/NDF: 6246181.4/33



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/15

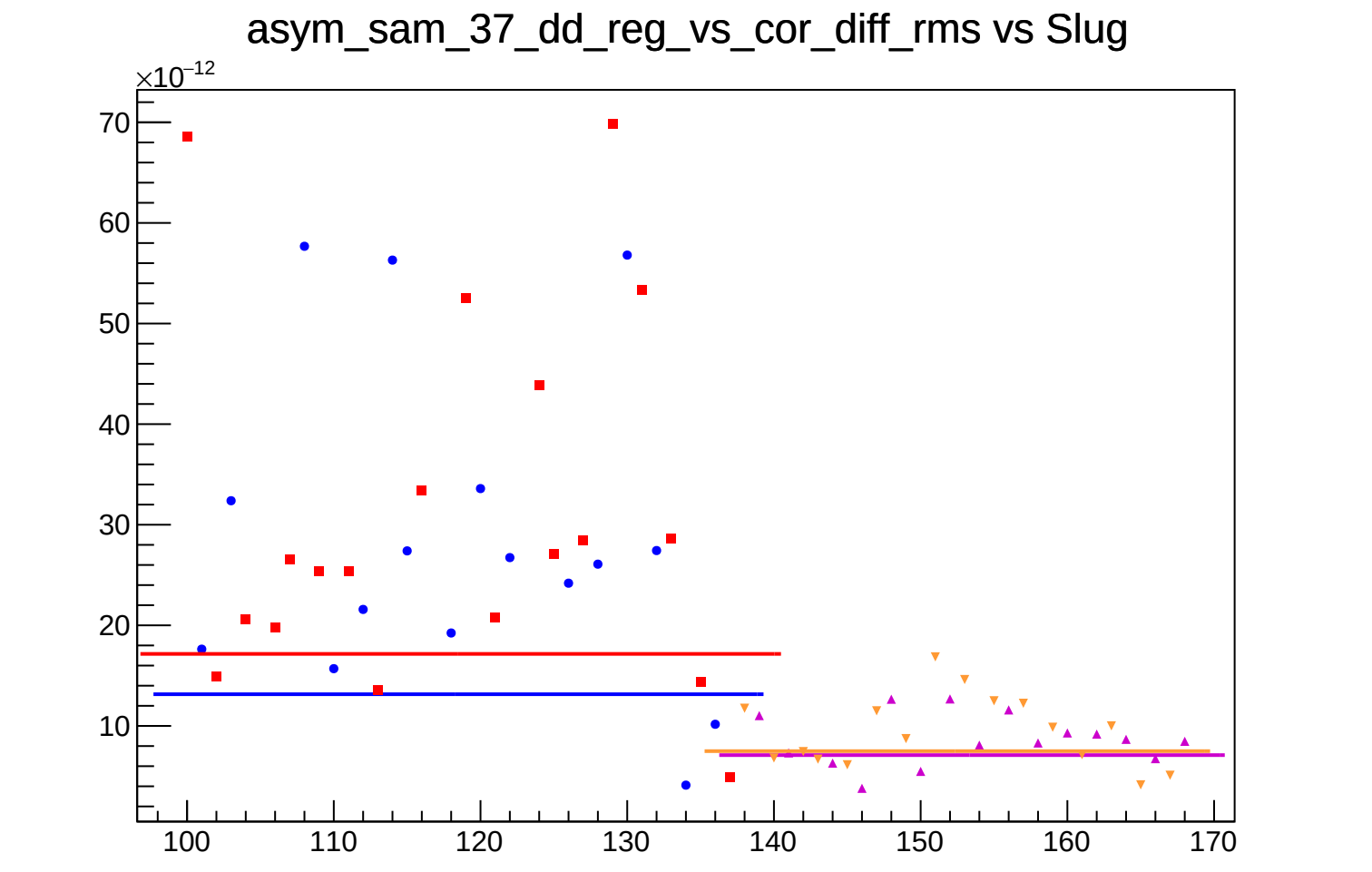
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 30.1/31

All: 0.000+/-0.000 χ^2/NDF: 59.8/65

- sign -0.000+/-0.000 χ^2/NDF: 29.3/33



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1433975.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

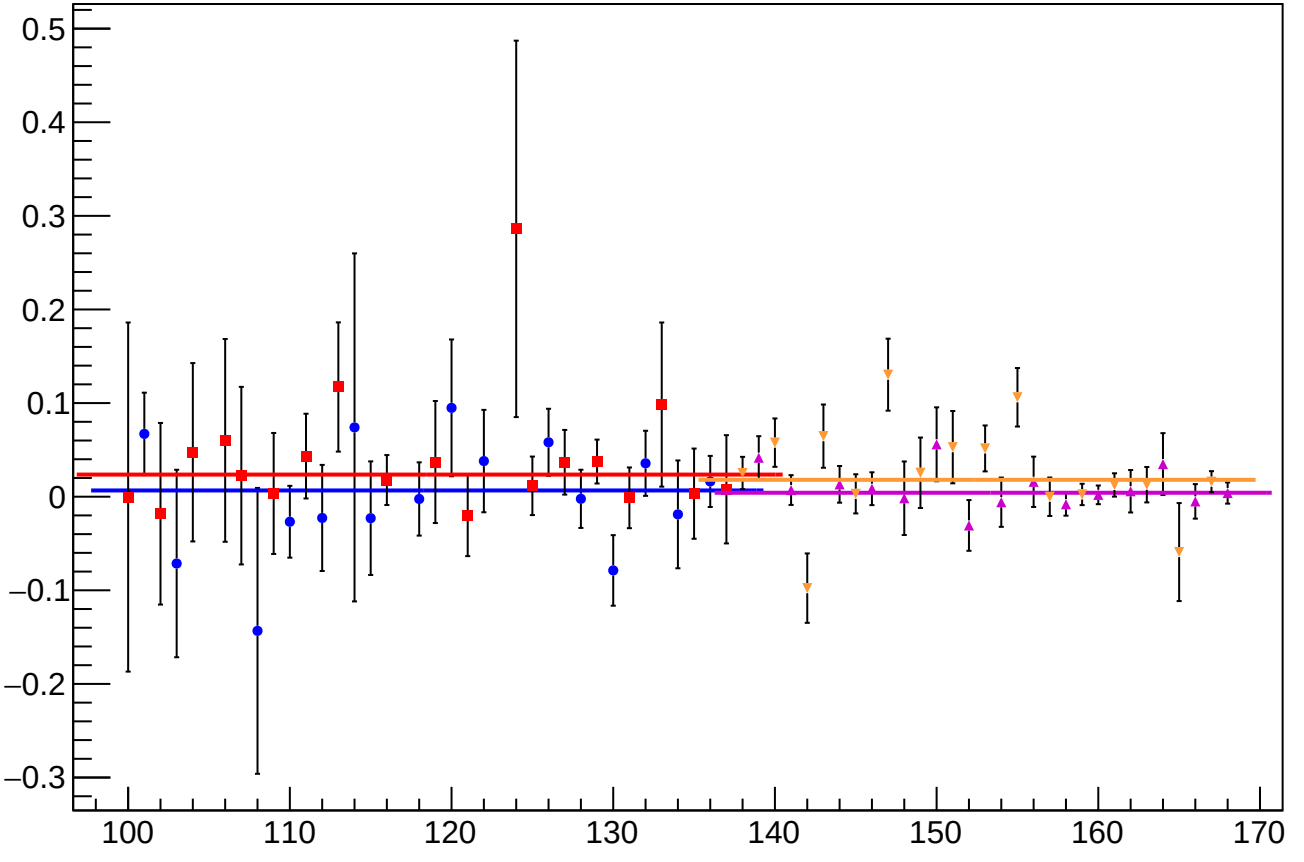
Left In: 0.000+/-0.000 χ^2/NDF:1061956.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 4159121.4/31

All: 0.000+/-0.000 χ^2/NDF: 8268376.6/65

- sign 0.000+/-0.000 χ^2/NDF: 4103946.2/33

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: 0.018+/-0.005 χ^2/NDF:39.0/15

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

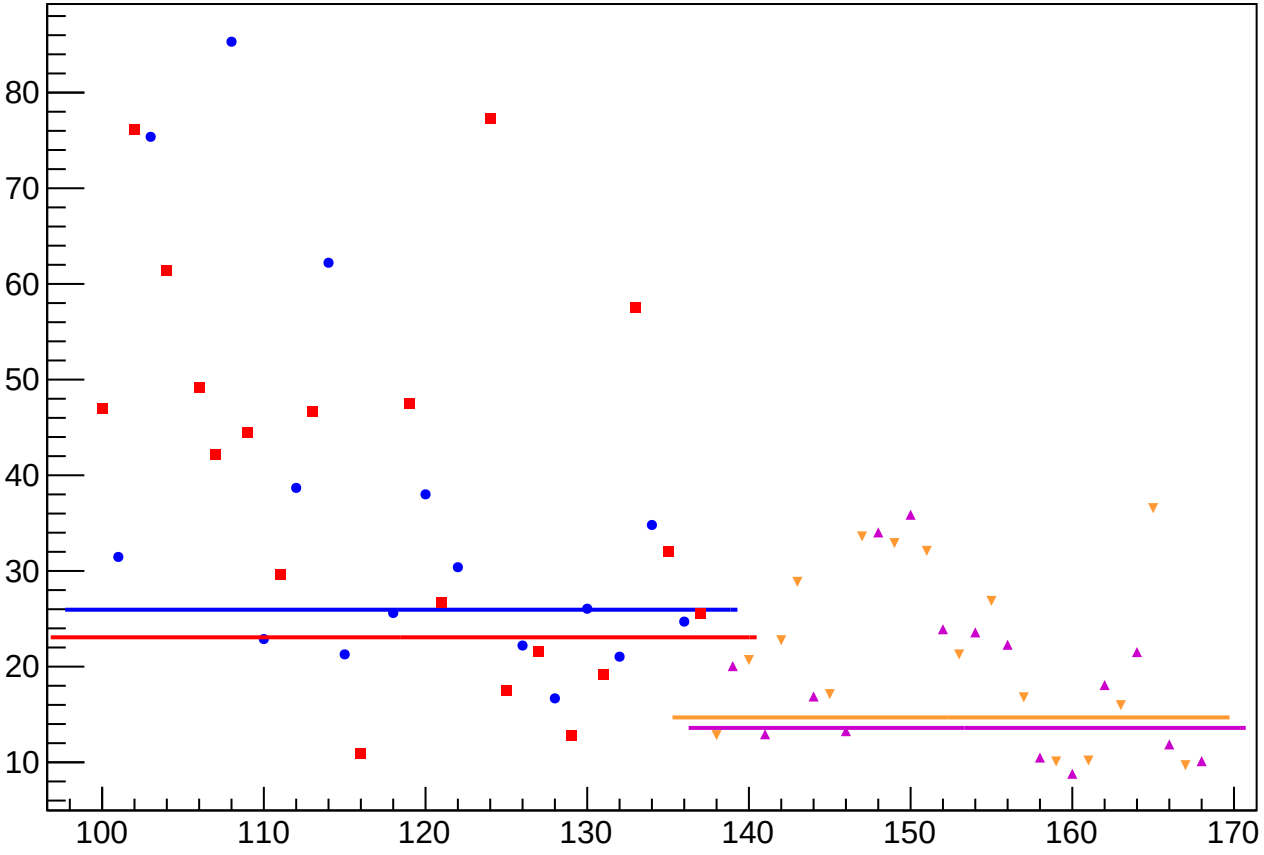
Left In: 0.004+/-0.005 χ^2/NDF:8.9/14

+ sign 0.016+/-0.005 χ^2/NDF: 54.9/31

All: 0.011+/-0.003 χ^2/NDF: 76.2/65

- sign 0.007+/-0.004 χ^2/NDF: 19.2/33

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: 14.692+/-0.003 χ^2/NDF:3771761.8/15

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

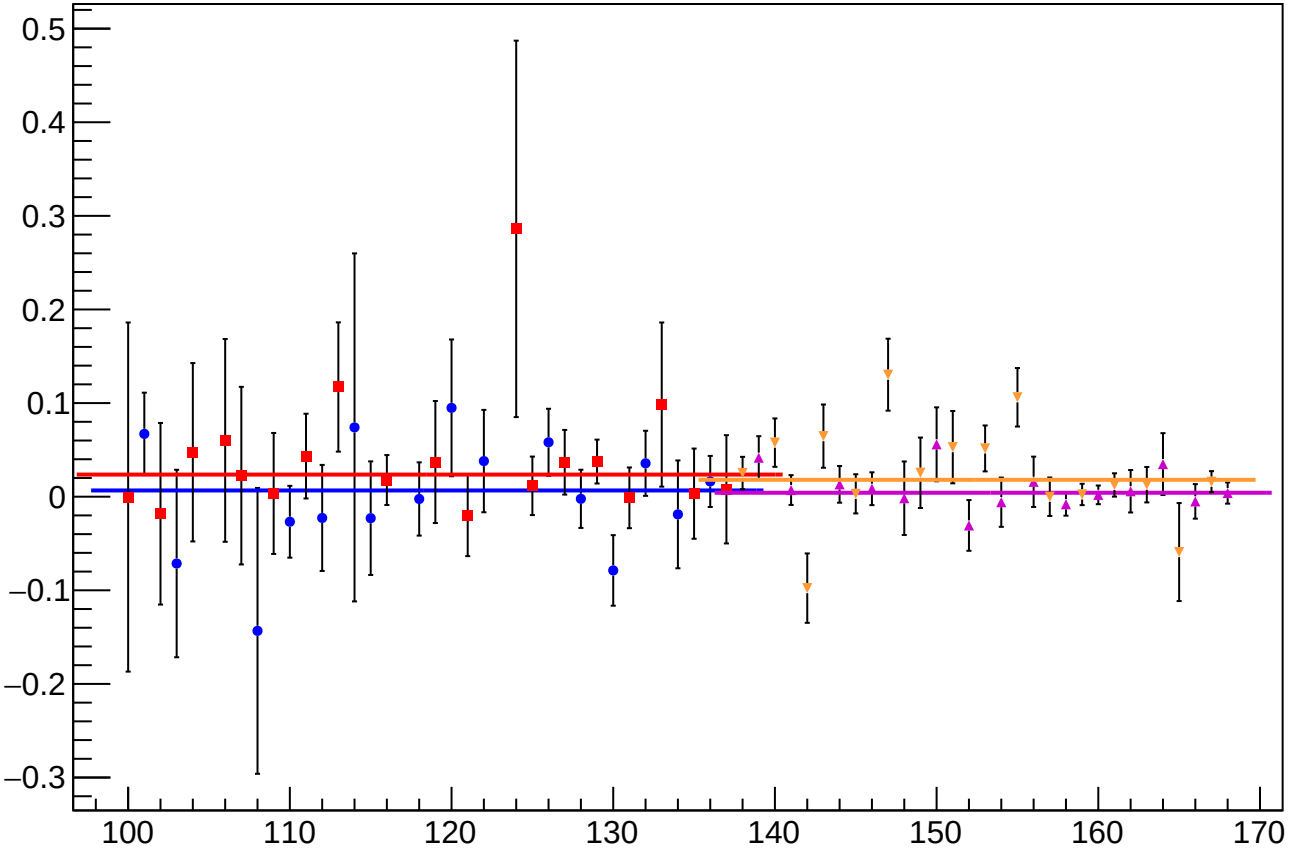
Left In: 13.596+/-0.003 χ^2/NDF:3171226.9/14

+ sign 16.551+/-0.003 χ^2/NDF: 6870940.7/31

All: 15.781+/-0.002 χ^2/NDF: 14877166.9/65

- sign 15.113+/-0.003 χ^2/NDF: 7897509.0/33

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: 0.018+/-0.005 χ^2/NDF:39.0/15

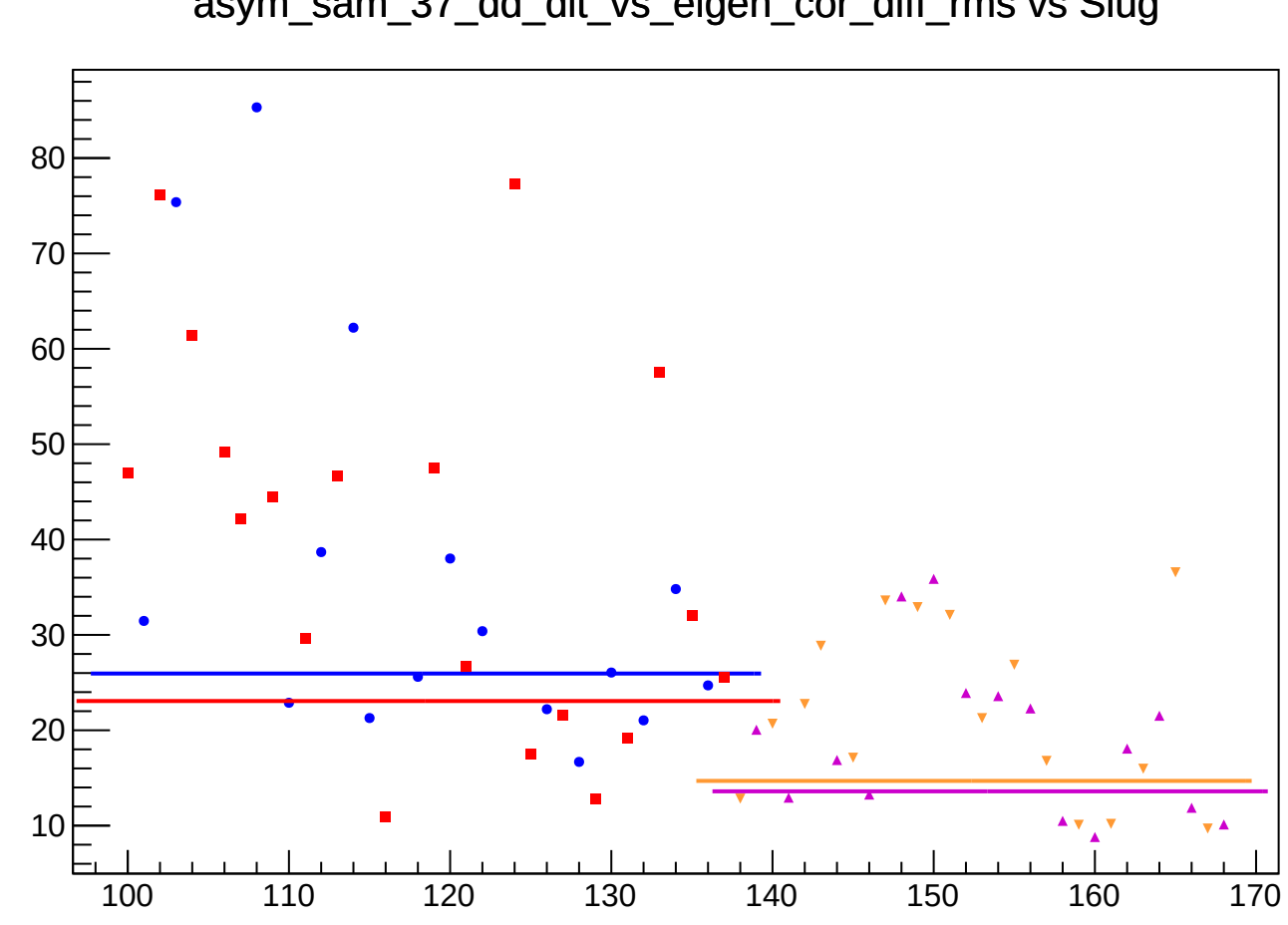
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.005 χ^2/NDF:8.9/14

+ sign 0.016+/-0.005 χ^2/NDF: 54.9/31

All: 0.011+/-0.003 χ^2/NDF: 76.2/65

- sign 0.007+/-0.004 χ^2/NDF: 19.2/33



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 14.692+/-0.003 χ^2/NDF:3771761.8/15

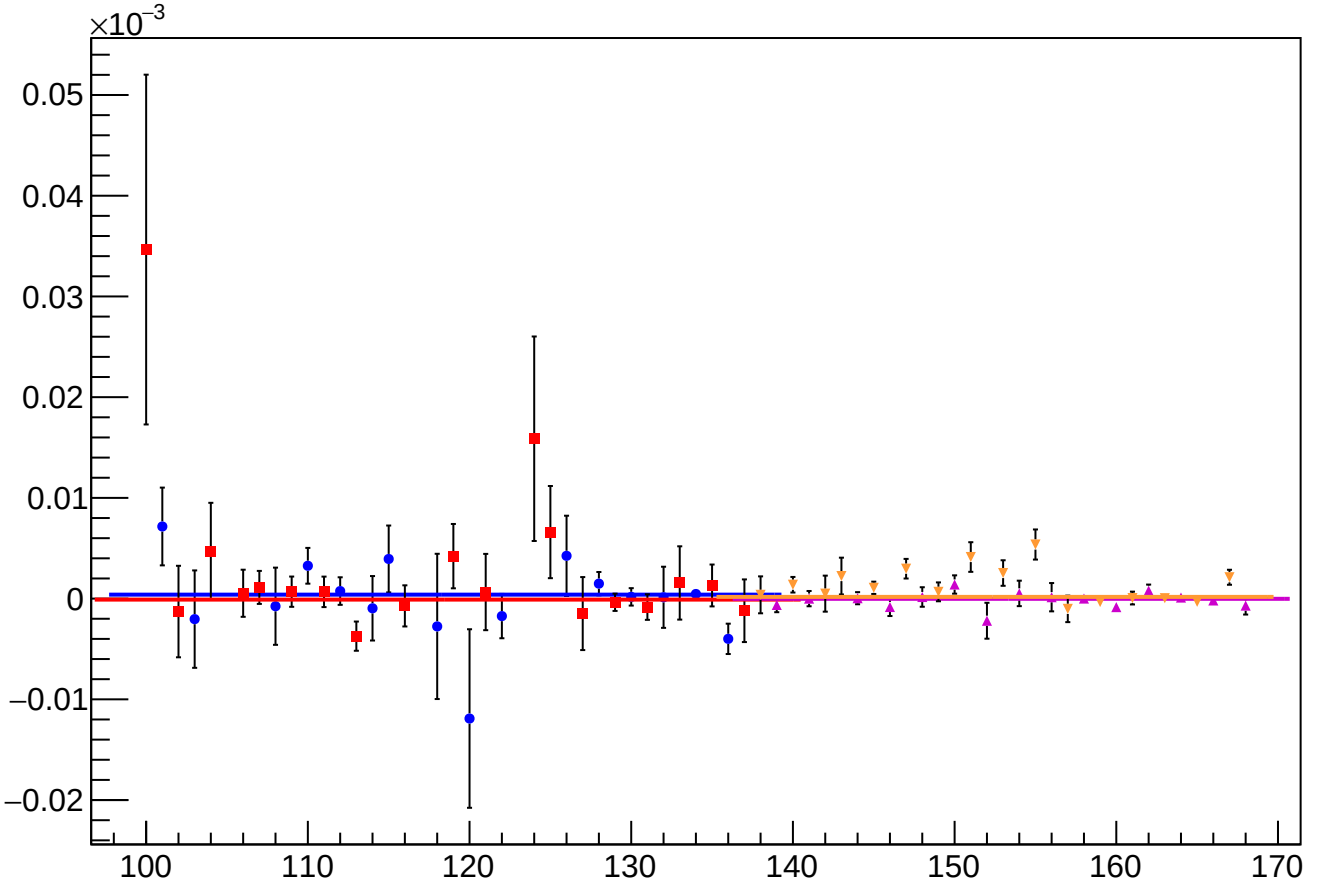
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.596+/-0.003 χ^2/NDF:3171226.9/14

+ sign 16.551+/-0.003 χ^2/NDF: 6870940.7/31

All: 15.781+/-0.002 χ^2/NDF: 14877166.9/65

- sign 15.113+/-0.003 χ^2/NDF: 7897509.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.0/15

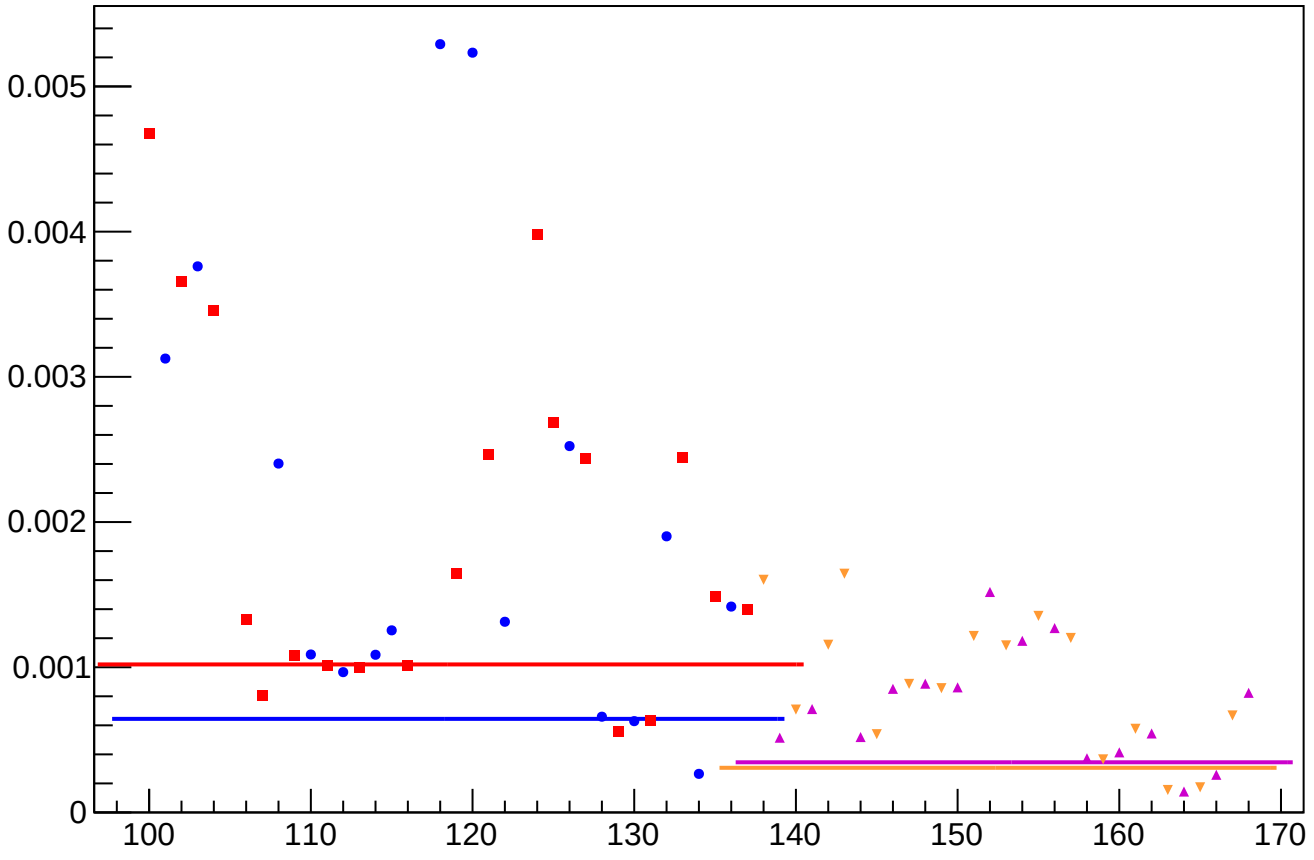
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 73.2/31

All: 0.000+/-0.000 χ^2/NDF: 107.3/65

- sign -0.000+/-0.000 χ^2/NDF: 32.3/33



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11245526.6/15

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

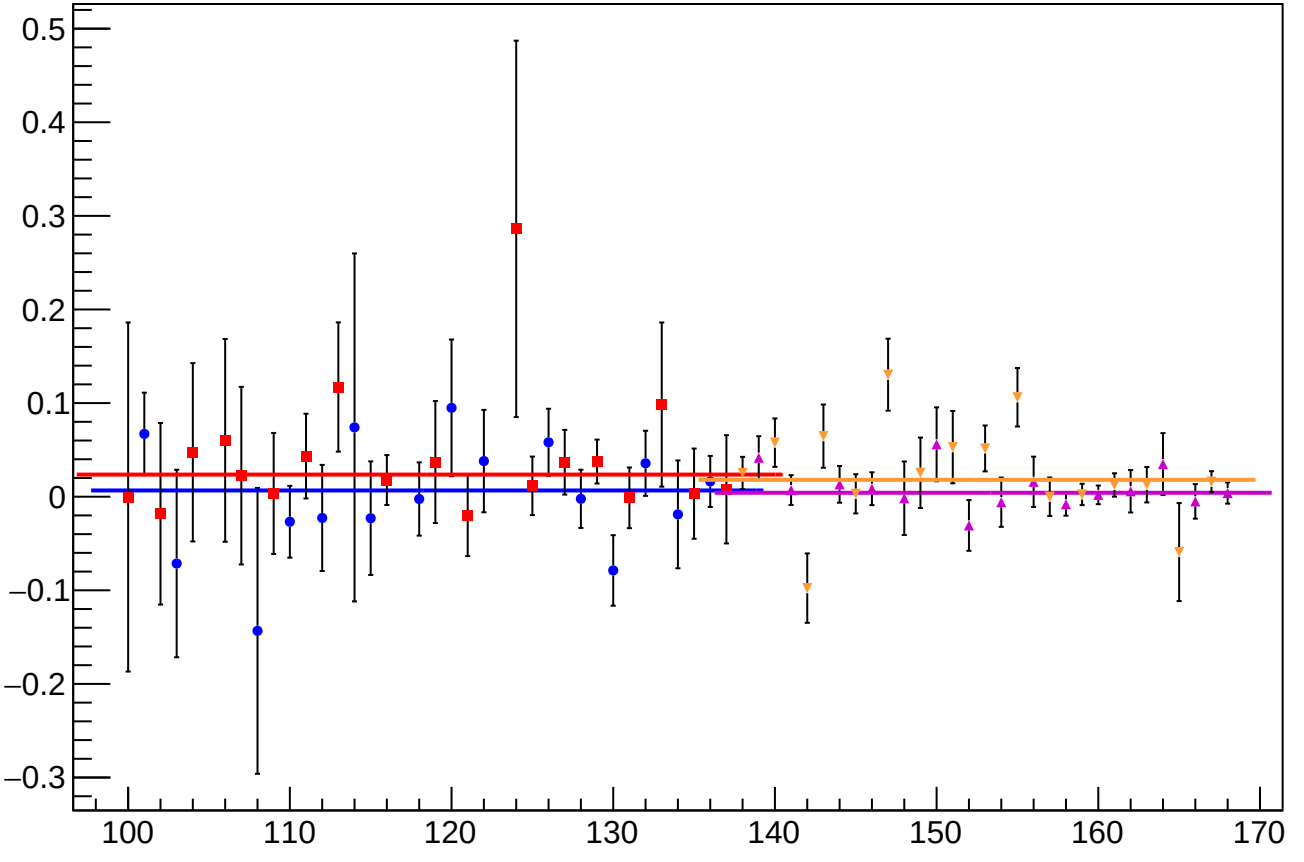
Left In: 0.000+/-0.000 χ^2/NDF:8516993.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 19568175.1/31

All: 0.000+/-0.000 χ^2/NDF: 36083410.4/65

- sign 0.000+/-0.000 χ^2/NDF: 16325599.2/33

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.018+/-0.005 χ^2/NDF:39.1/15

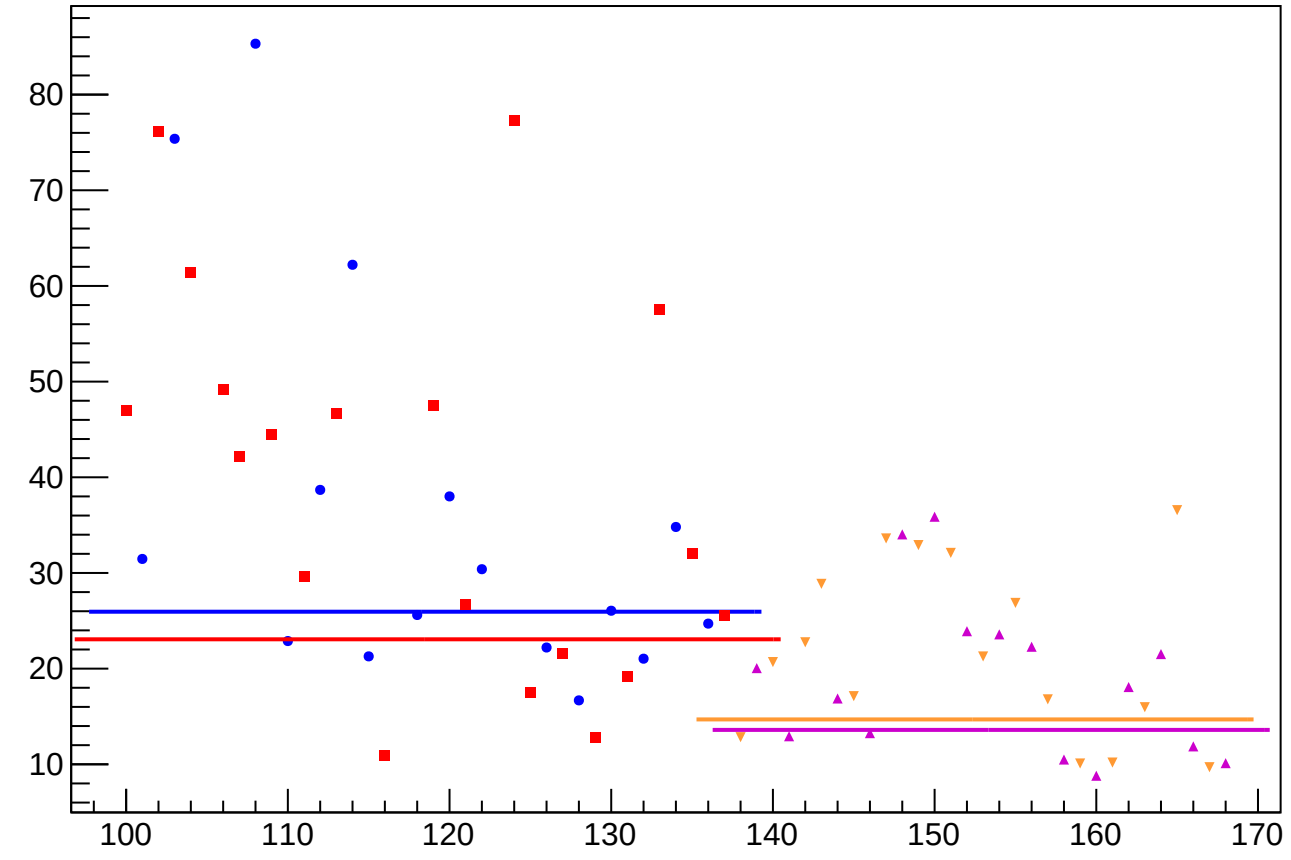
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.005 χ^2/NDF:8.9/14

+ sign 0.016+/-0.005 χ^2/NDF: 54.9/31

All: 0.011+/-0.003 χ^2/NDF: 76.2/65

- sign 0.007+/-0.004 χ^2/NDF: 19.2/33



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 14.692+/-0.003 χ^2/NDF:3771935.1/15

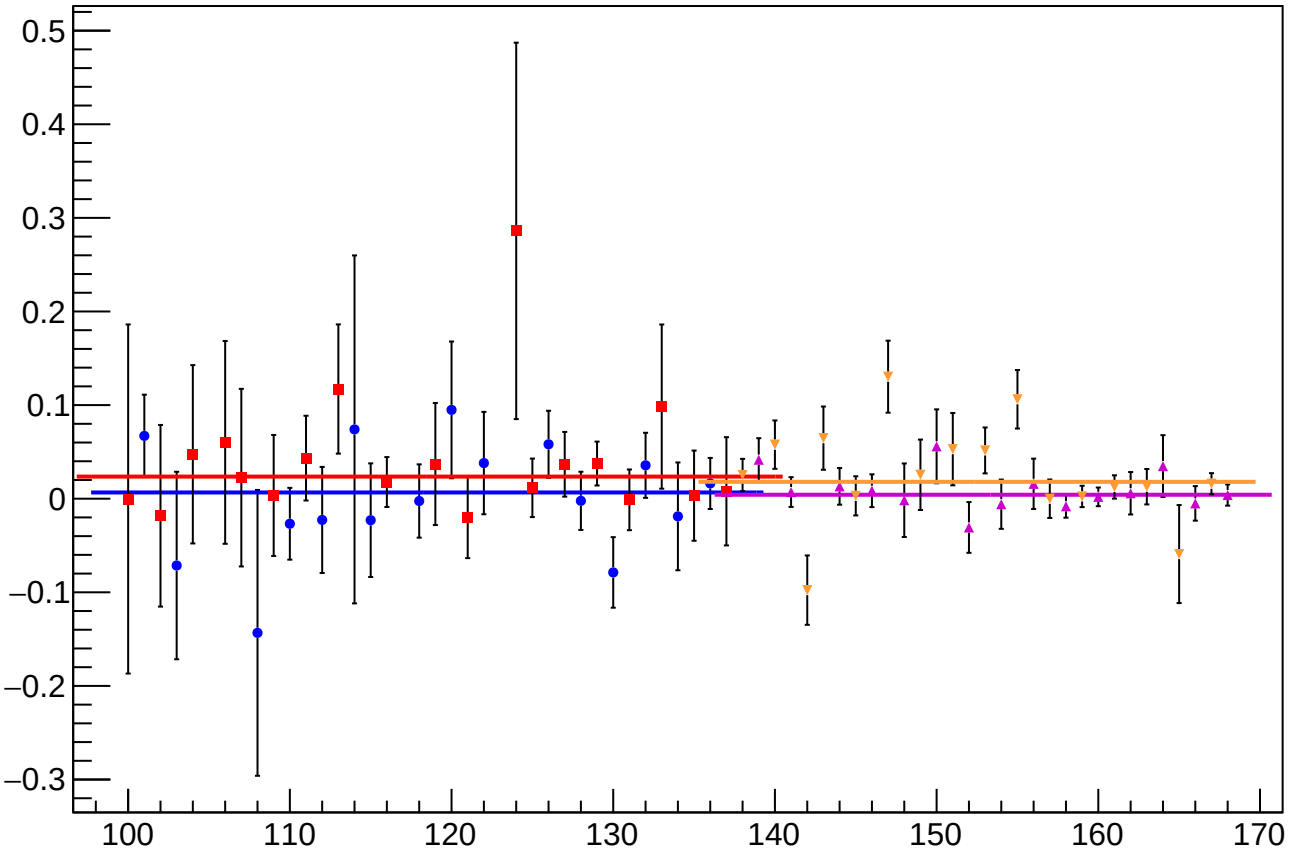
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.596+/-0.003 χ^2/NDF:3171378.5/14

+ sign 16.551+/-0.003 χ^2/NDF: 6871075.3/31

All: 15.782+/-0.002 χ^2/NDF: 14877386.2/65

- sign 15.113+/-0.003 χ^2/NDF: 7897577.7/33



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.018+/-0.005 χ^2/NDF:39.1/15

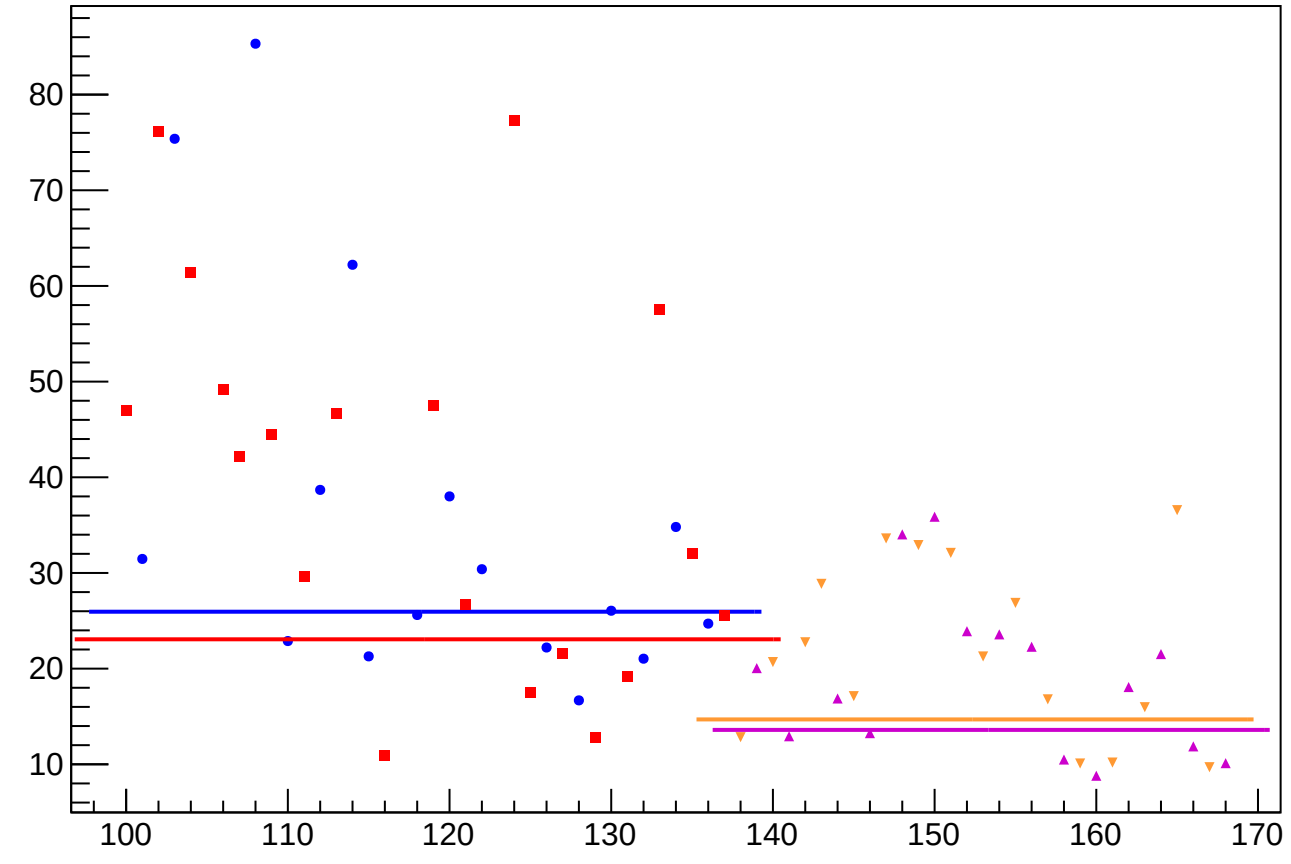
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.005 χ^2/NDF:8.9/14

+ sign 0.016+/-0.005 χ^2/NDF: 54.9/31

All: 0.011+/-0.003 χ^2/NDF: 76.2/65

- sign 0.007+/-0.004 χ^2/NDF: 19.2/33



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 14.692+/-0.003 χ^2/NDF:3771935.1/15

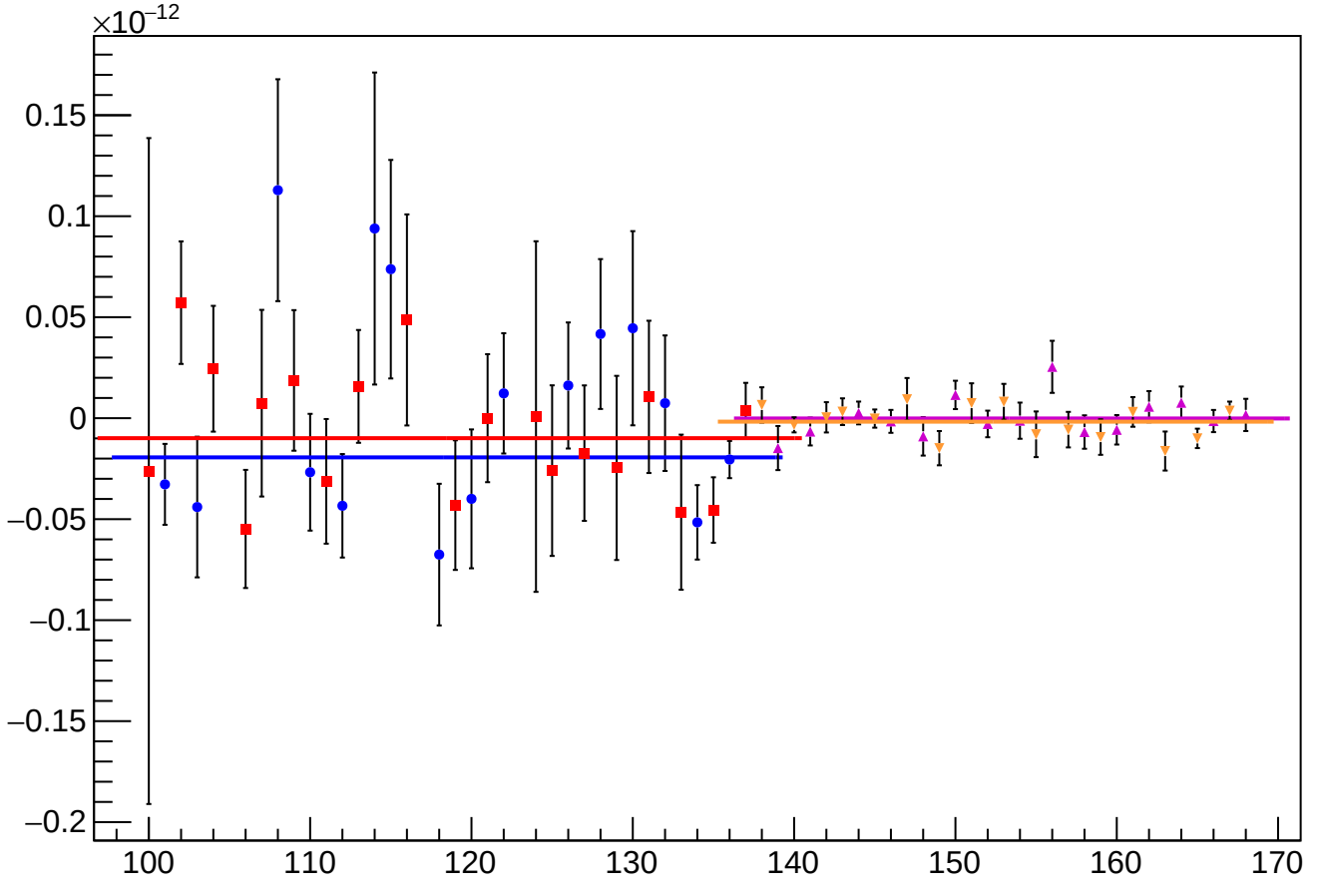
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.596+/-0.003 χ^2/NDF:3171378.5/14

+ sign 16.551+/-0.003 χ^2/NDF: 6871075.3/31

All: 15.782+/-0.002 χ^2/NDF: 14877386.2/65

- sign 15.113+/-0.003 χ^2/NDF: 7897577.7/33



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/15

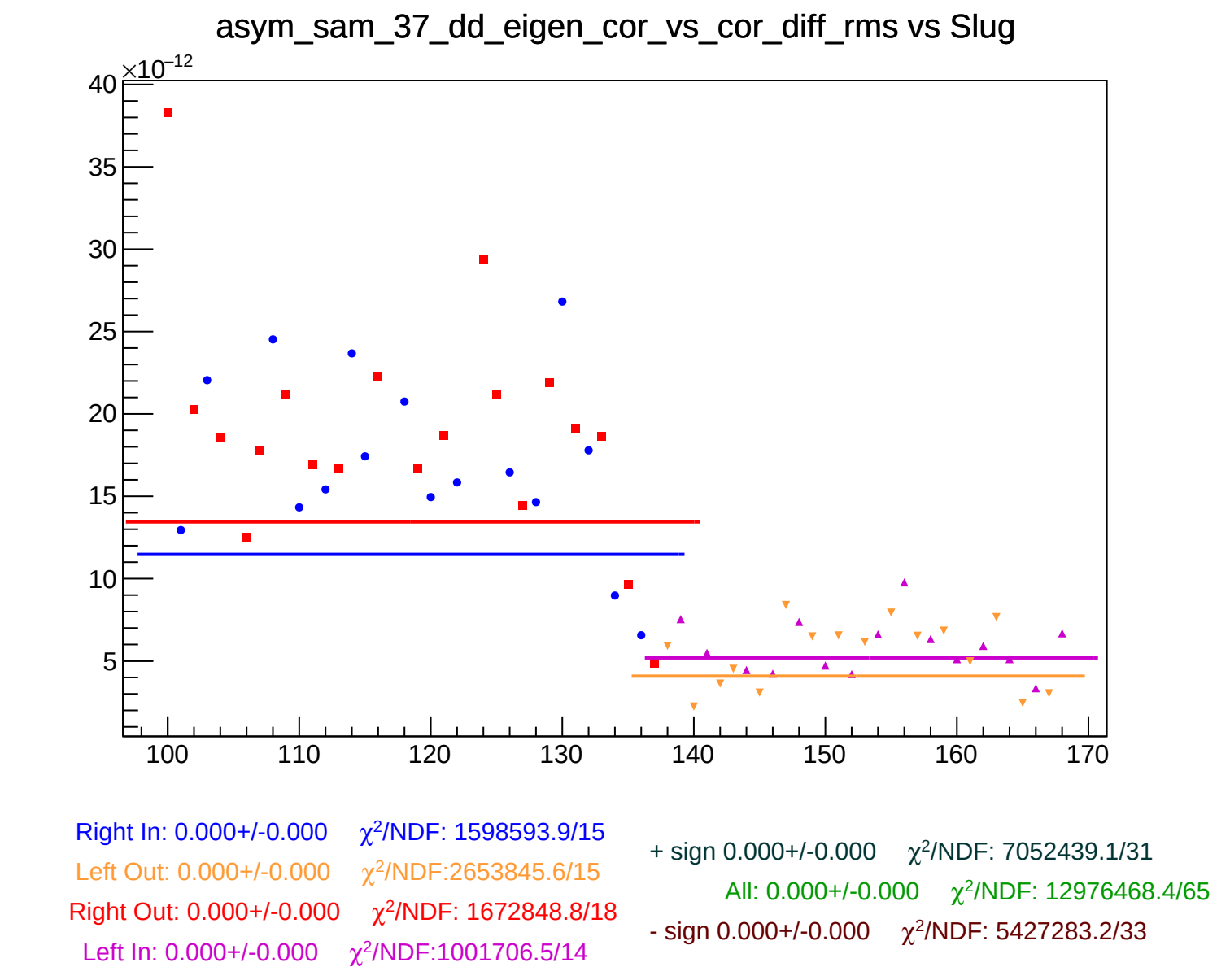
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/14

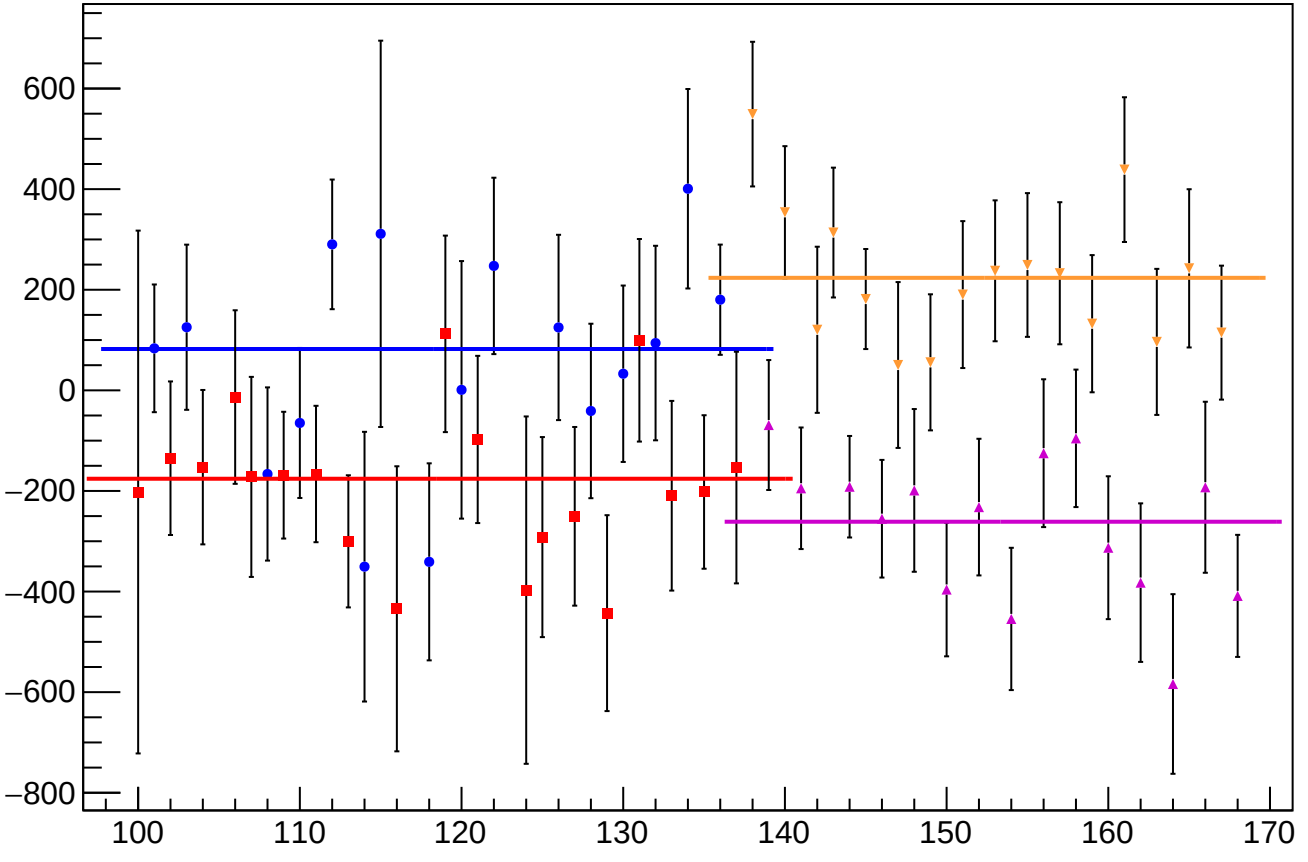
+ sign -0.000+/-0.000 χ^2/NDF: 49.5/31

All: -0.000+/-0.000 χ^2/NDF: 86.0/65

- sign -0.000+/-0.000 χ^2/NDF: 35.8/33


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:2653845.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:1001706.5/14
+ sign 0.000+/-0.000 χ²/NDF: 7052439.1/31
All: 0.000+/-0.000 χ²/NDF: 12976468.4/65
- sign 0.000+/-0.000 χ²/NDF: 5427283.2/33

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 223.687+/-34.529 χ^2/NDF:14.0/15

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

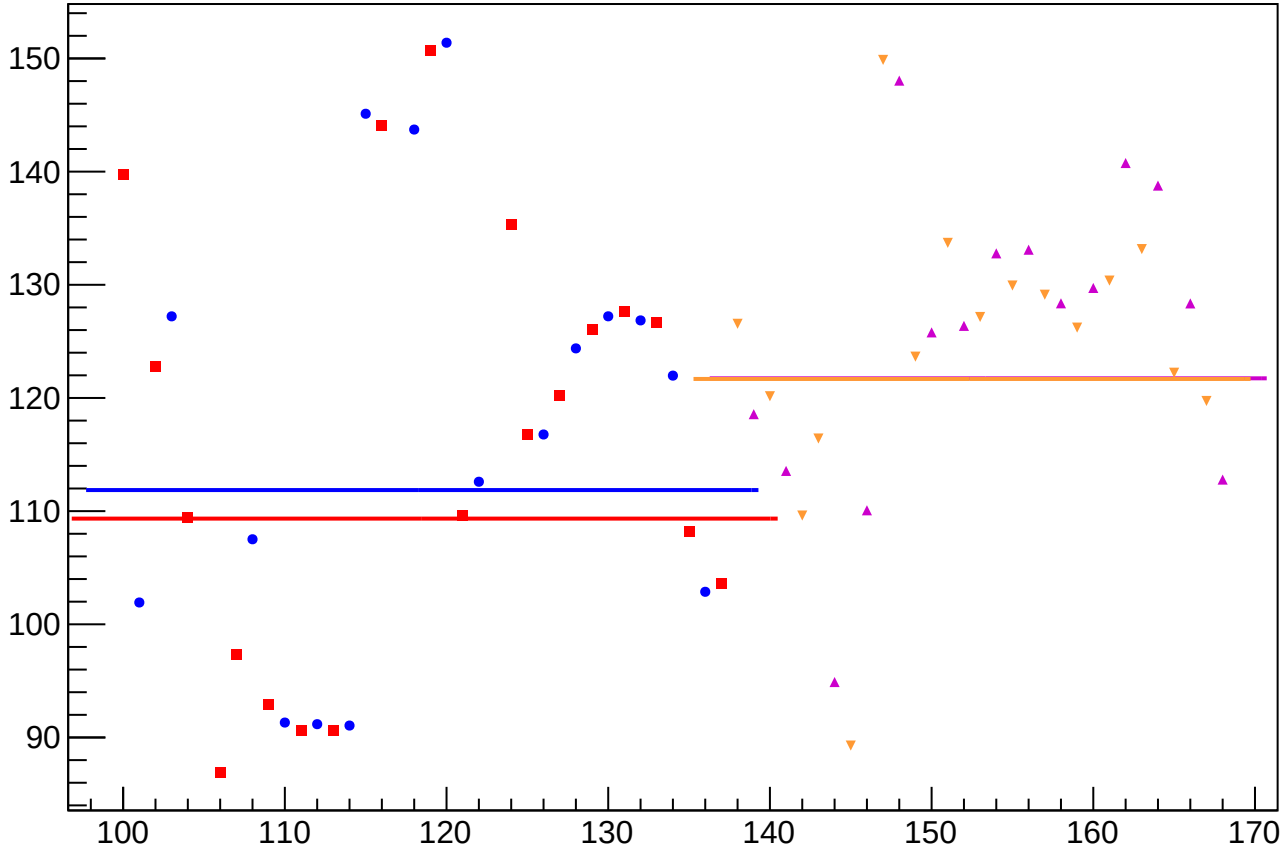
Left In: -261.198+/-34.871 χ^2/NDF:14.0/14

+ sign 166.839+/-26.706 χ^2/NDF: 39.2/31

All: -30.795+/-18.801 χ^2/NDF: 174.2/65

- sign -224.990+/-26.473 χ^2/NDF: 26.5/33

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.681+/-0.024 χ^2/NDF:338941.7/15

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

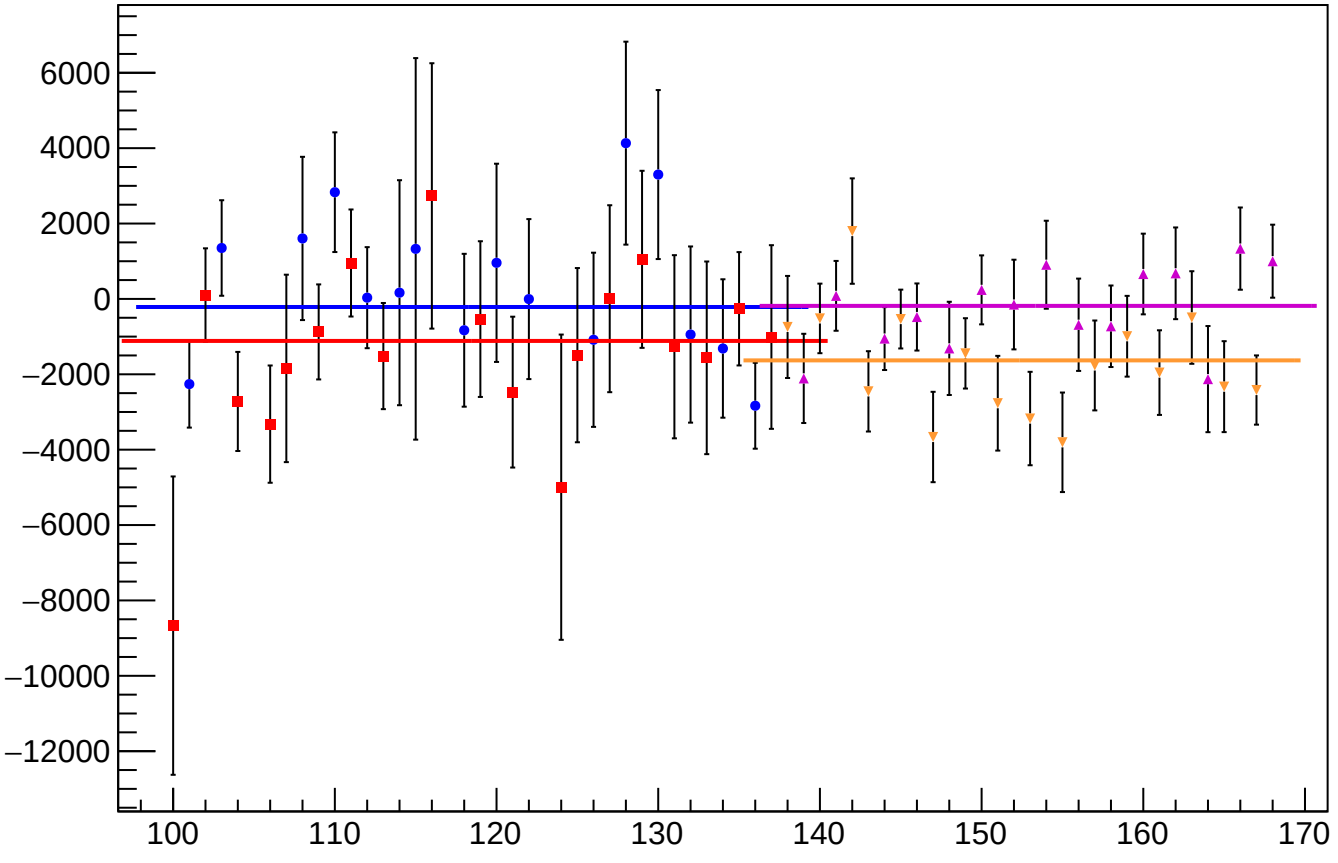
Left In: 121.736+/-0.025 χ^2/NDF:325187.5/14

\+ sign 117.736+/-0.019 χ^2/NDF: 709940.0/31

All: 117.105+/-0.013 χ^2/NDF: 1511627.8/65

\- sign 116.485+/-0.019 χ^2/NDF: 799473.6/33

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1630.890+/-273.610 χ^2/NDF:20.8/15

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

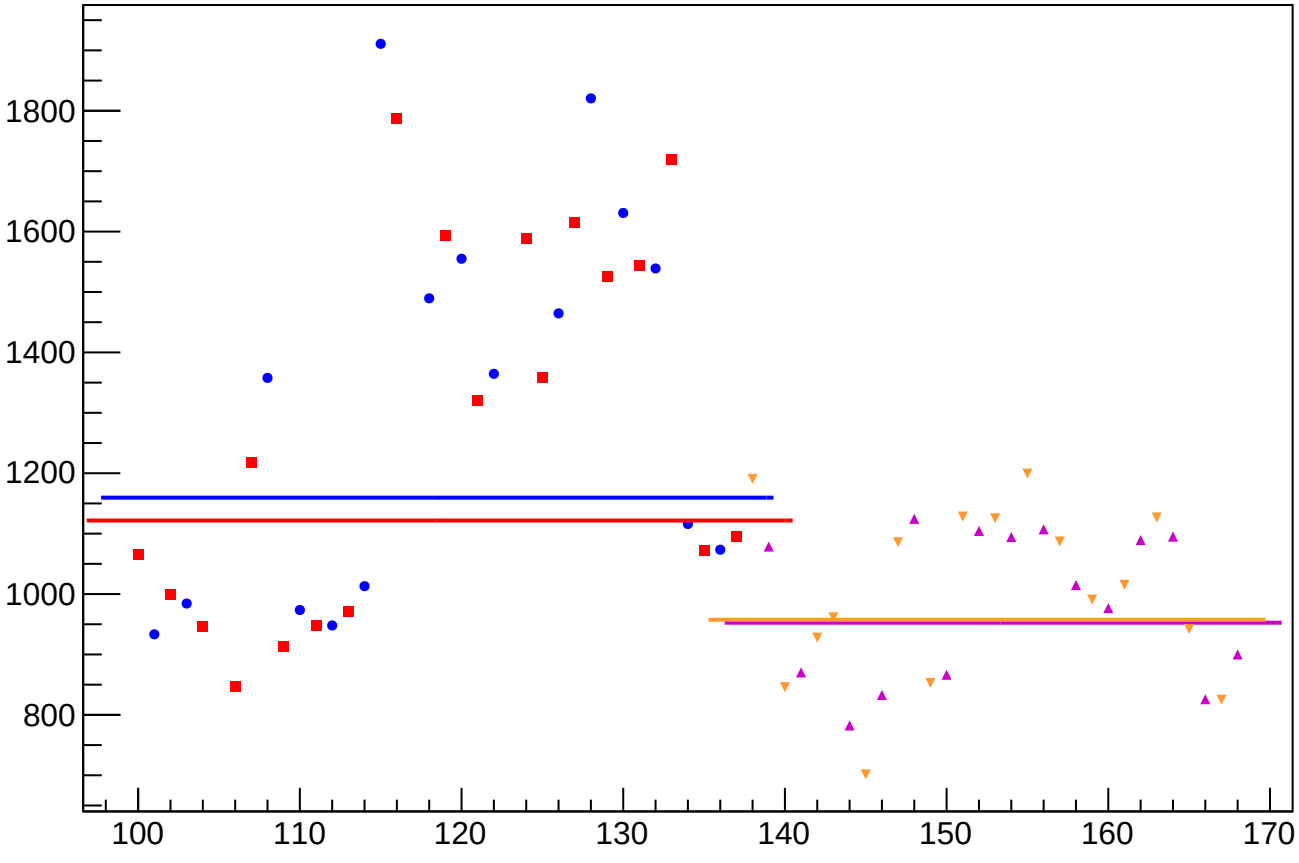
Left In: -184.654+/-273.739 χ^2/NDF:12.7/14

+ sign -1240.921+/-232.928 χ^2/NDF: 48.7/31

All: -844.782+/-163.595 χ^2/NDF: 85.0/65

- sign -459.142+/-229.821 χ^2/NDF: 30.7/33

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 957.424+/-0.193 χ^2/NDF:604238.2/15

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

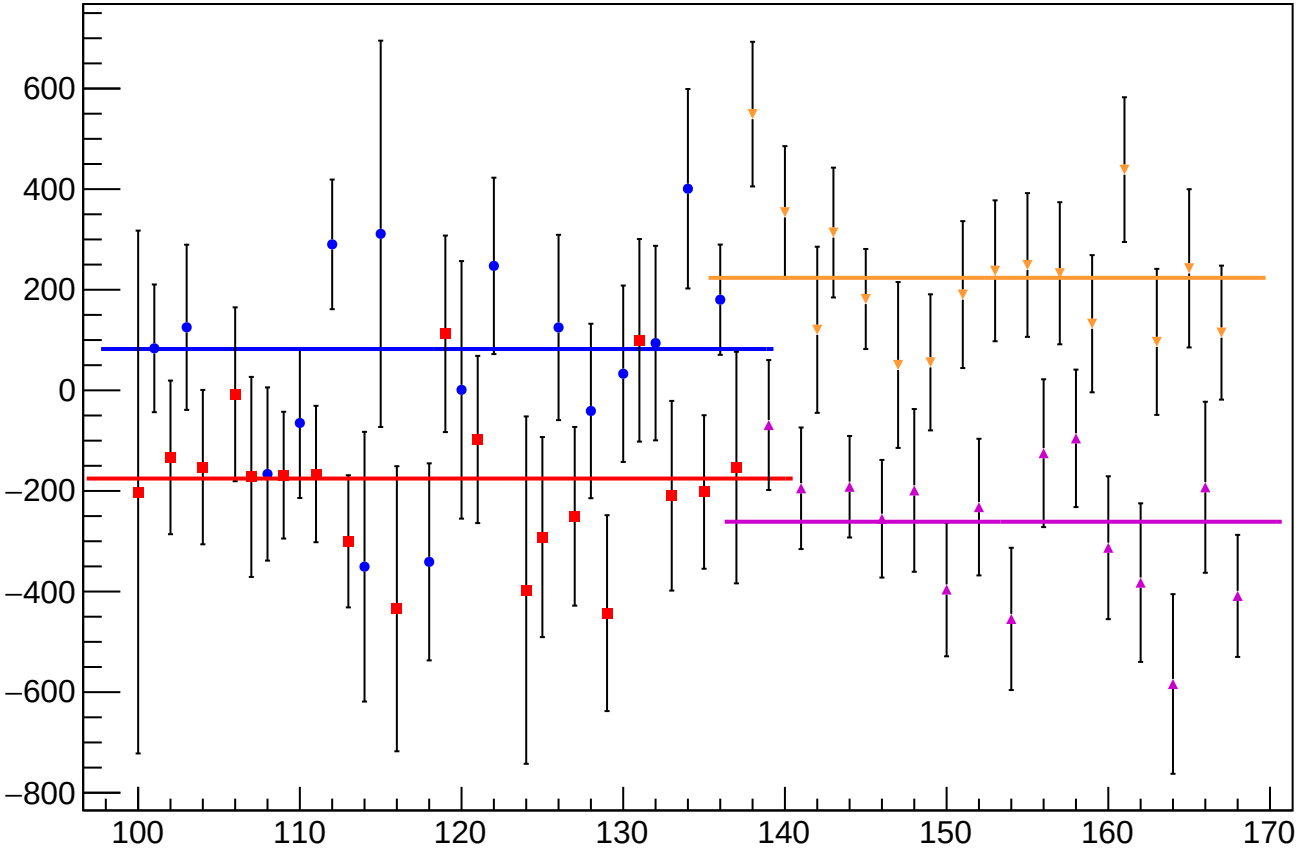
Left In: 952.543+/-0.194 χ^2/NDF:394419.7/14

+ sign 1013.067+/-0.165 χ^2/NDF: 1588423.4/31

All: 1007.704+/-0.116 χ^2/NDF: 2992747.3/65

- sign 1002.482+/-0.163 χ^2/NDF: 1402231.2/33

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 223.691+/-34.529 χ^2/NDF:14.0/15

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

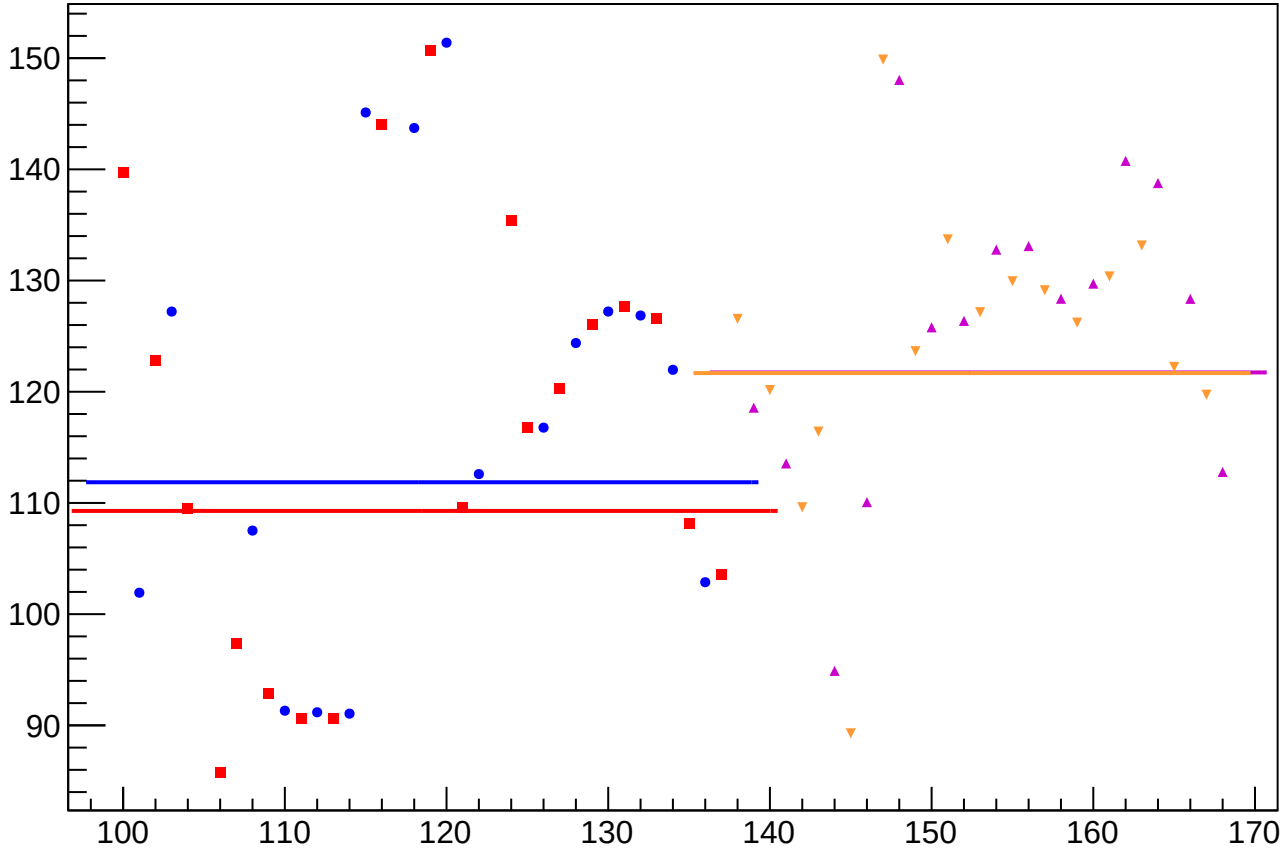
Left In: -261.201+/-34.871 χ^2/NDF:14.0/14

+ sign 166.836+/-26.706 χ^2/NDF: 39.2/31

All: -30.704+/-18.802 χ^2/NDF: 174.2/65

- sign -224.831+/-26.475 χ^2/NDF: 26.5/33

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.681+/-0.024 χ^2/NDF:338941.7/15

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

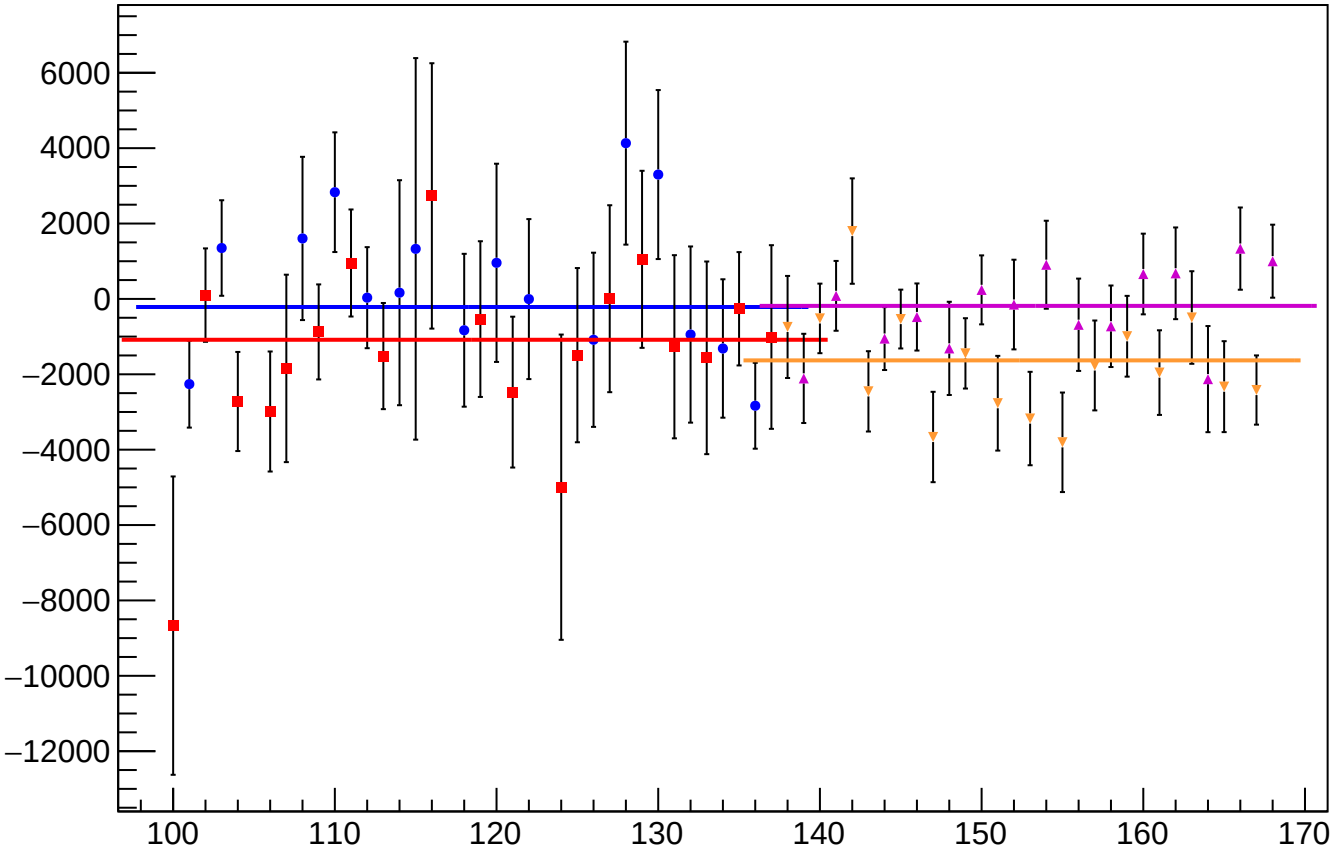
Left In: 121.736+/-0.025 χ^2/NDF:325187.5/14

+ sign 117.736+/-0.019 χ^2/NDF: 709940.8/31

All: 117.093+/-0.013 χ^2/NDF: 1516156.9/65

- sign 116.462+/-0.019 χ^2/NDF: 803920.1/33

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1630.885+/-273.610 χ^2/NDF:20.8/15

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

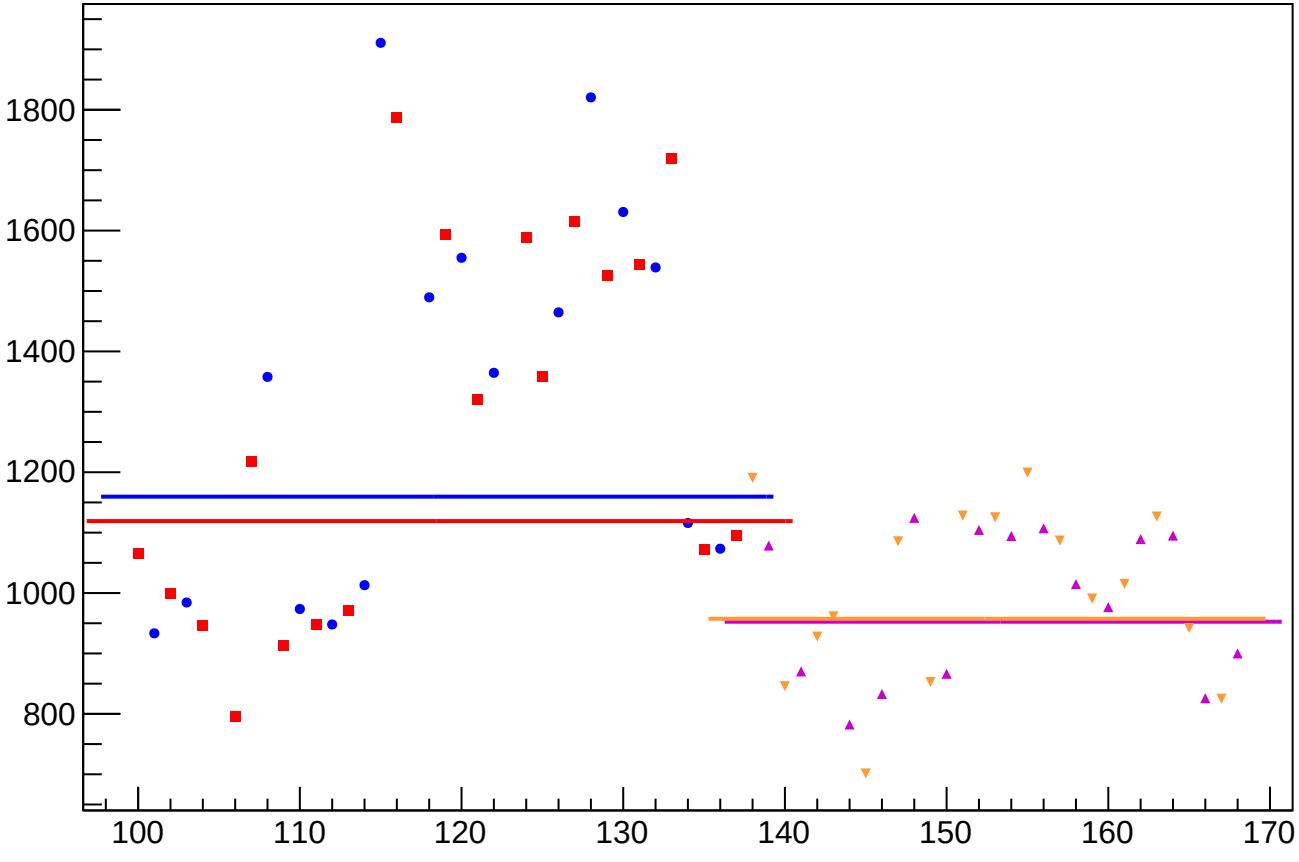
Left In: -184.664+/-273.739 χ^2/NDF:12.7/14

+ sign -1240.946+/-232.928 χ^2/NDF: 48.7/31

All: -840.072+/-163.638 χ^2/NDF: 84.3/65

- sign -449.422+/-229.939 χ^2/NDF: 29.8/33

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 957.424+/-0.193 χ^2/NDF:604240.1/15

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

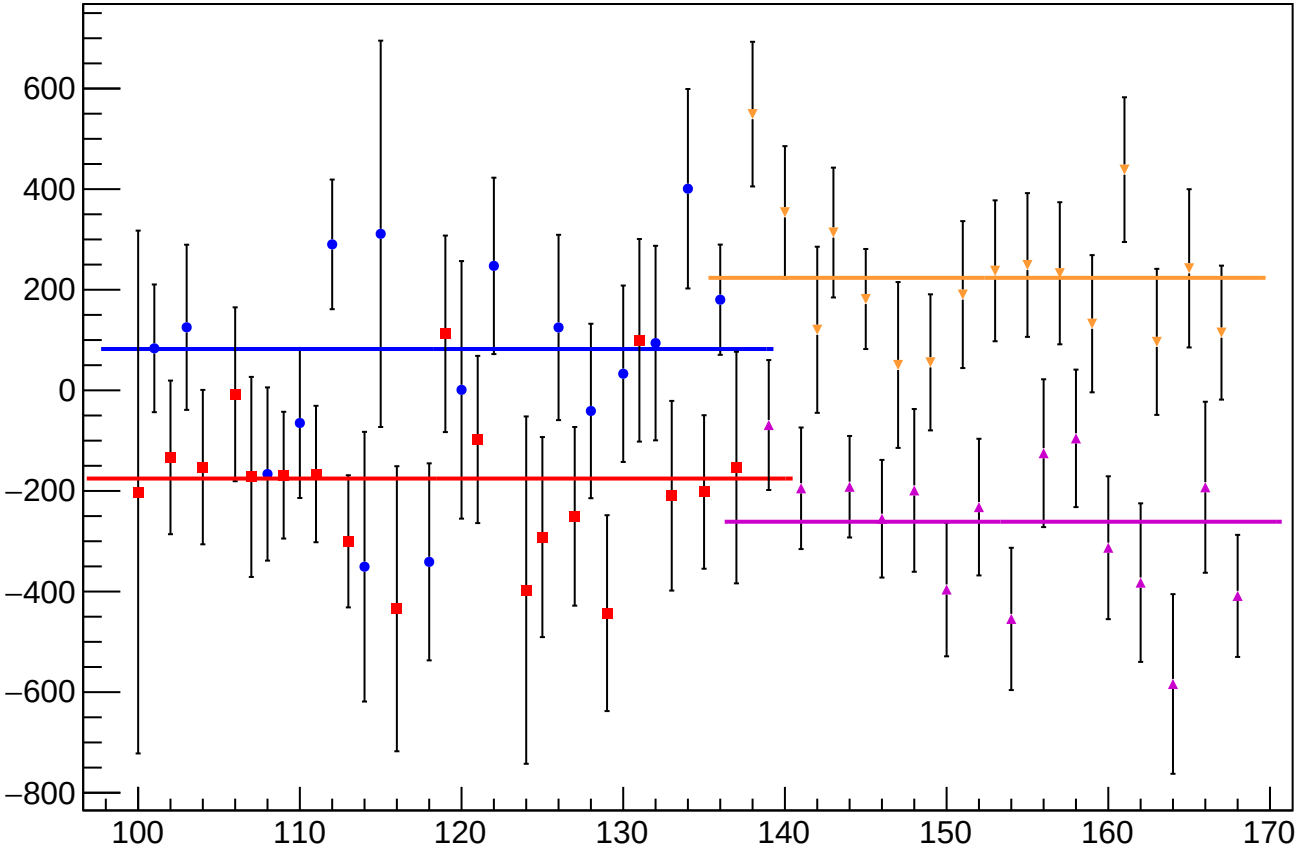
Left In: 952.544+/-0.194 χ^2/NDF:394417.5/14

+ sign 1013.069+/-0.165 χ^2/NDF: 1588420.5/31

All: 1007.259+/-0.116 χ^2/NDF: 3006584.2/65

- sign 1001.596+/-0.163 χ^2/NDF: 1415706.3/33

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 223.691+/-34.529 χ^2/NDF:14.0/15

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

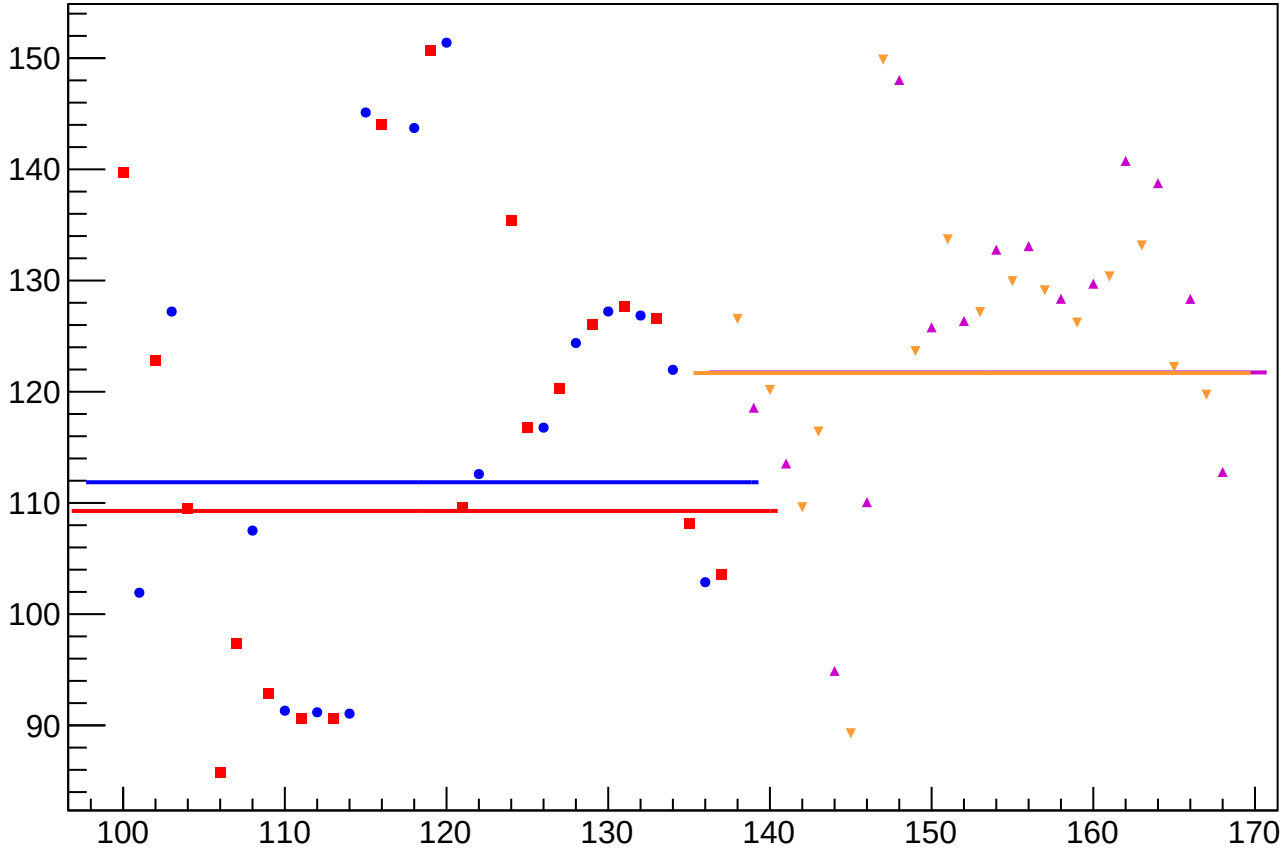
Left In: -261.201+/-34.871 χ^2/NDF:14.0/14

+ sign 166.836+/-26.706 χ^2/NDF: 39.2/31

All: -30.704+/-18.802 χ^2/NDF: 174.2/65

- sign -224.831+/-26.475 χ^2/NDF: 26.5/33

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.681+/-0.024 χ^2/NDF:338941.7/15

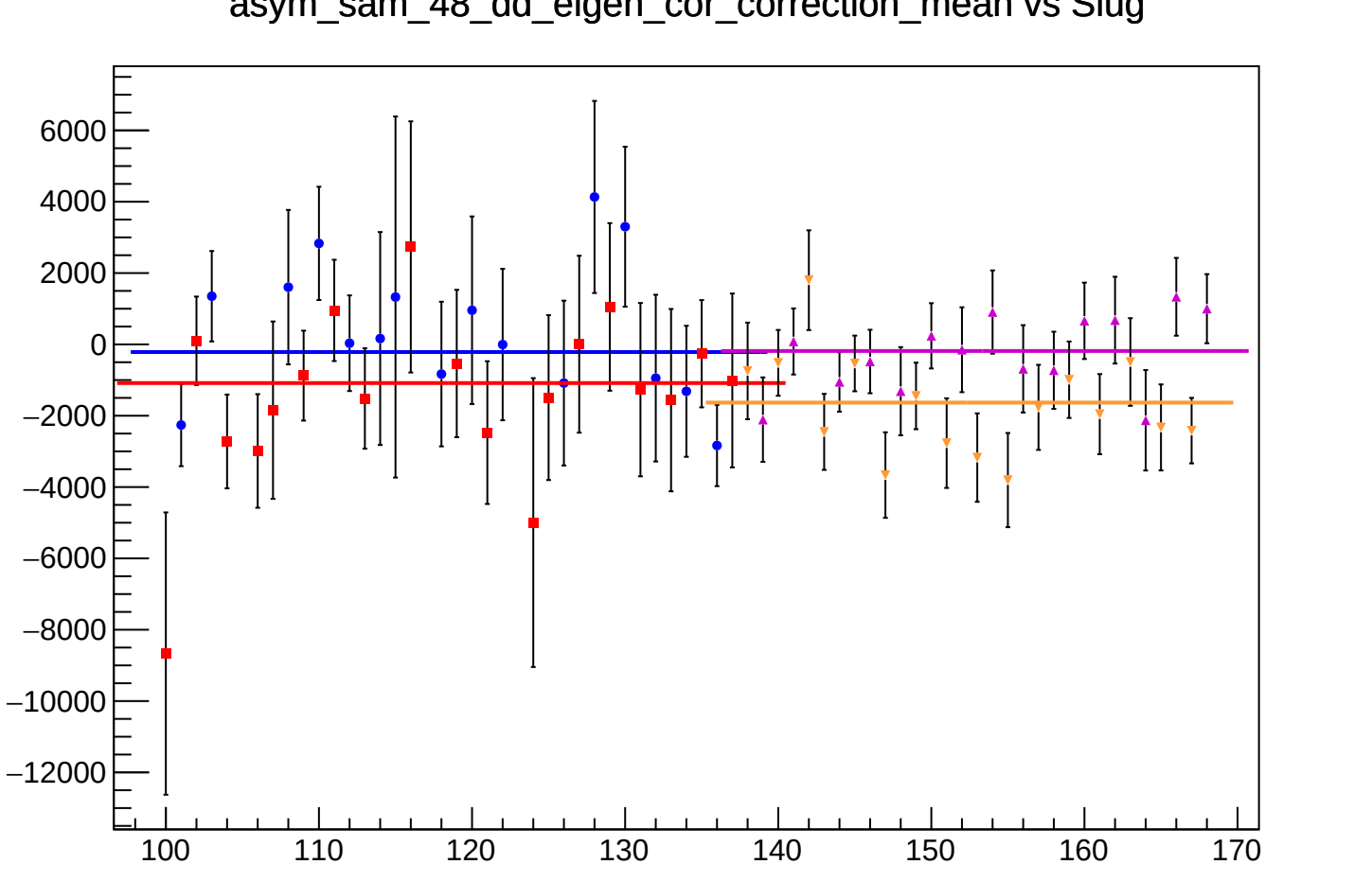
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.736+/-0.025 χ^2/NDF:325187.5/14

+ sign 117.736+/-0.019 χ^2/NDF: 709940.8/31

All: 117.093+/-0.013 χ^2/NDF: 1516156.9/65

- sign 116.462+/-0.019 χ^2/NDF: 803920.1/33



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1630.885+/-273.610 χ^2/NDF:20.8/15

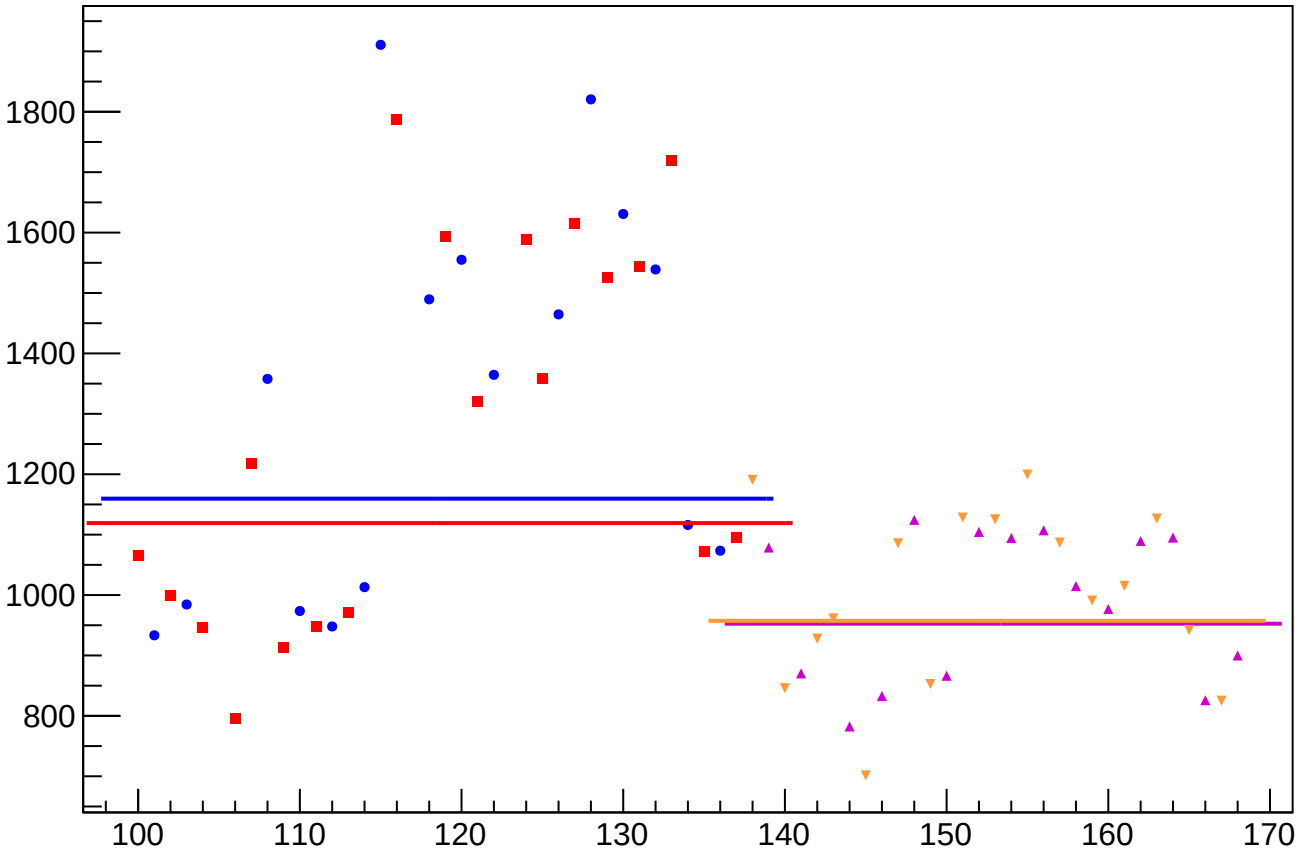
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -184.664+/-273.739 χ^2/NDF:12.7/14

+ sign -1240.946+/-232.928 χ^2/NDF: 48.7/31

All: -840.072+/-163.638 χ^2/NDF: 84.3/65

- sign -449.422+/-229.939 χ^2/NDF: 29.8/33



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 957.424+/-0.193 χ^2/NDF:604240.1/15

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

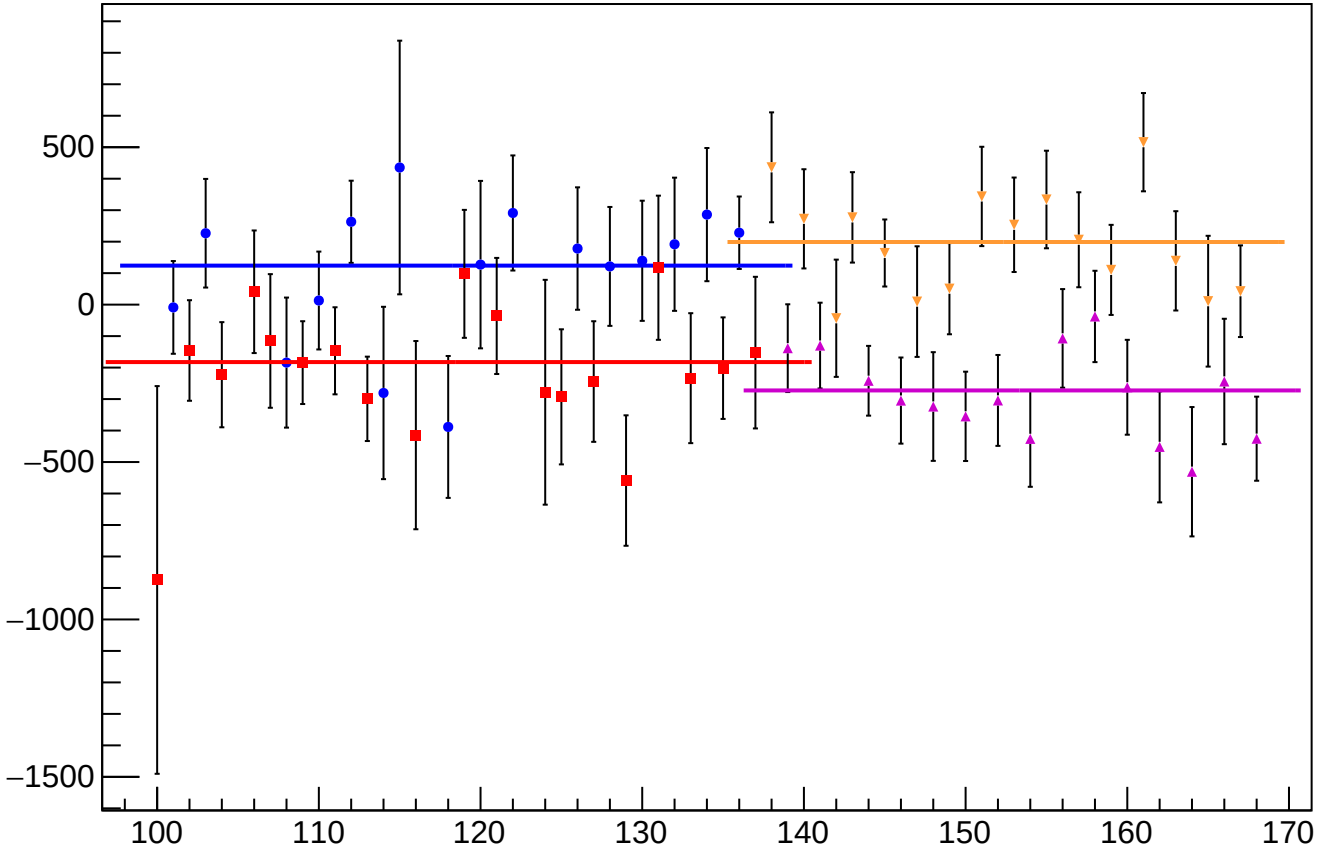
Left In: 952.544+/-0.194 χ^2/NDF:394417.5/14

+ sign 1013.069+/-0.165 χ^2/NDF: 1588420.5/31

All: 1007.259+/-0.116 χ^2/NDF: 3006584.2/65

- sign 1001.596+/-0.163 χ^2/NDF: 1415706.3/33

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 198.929+/-38.087 χ^2/NDF:14.7/15

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

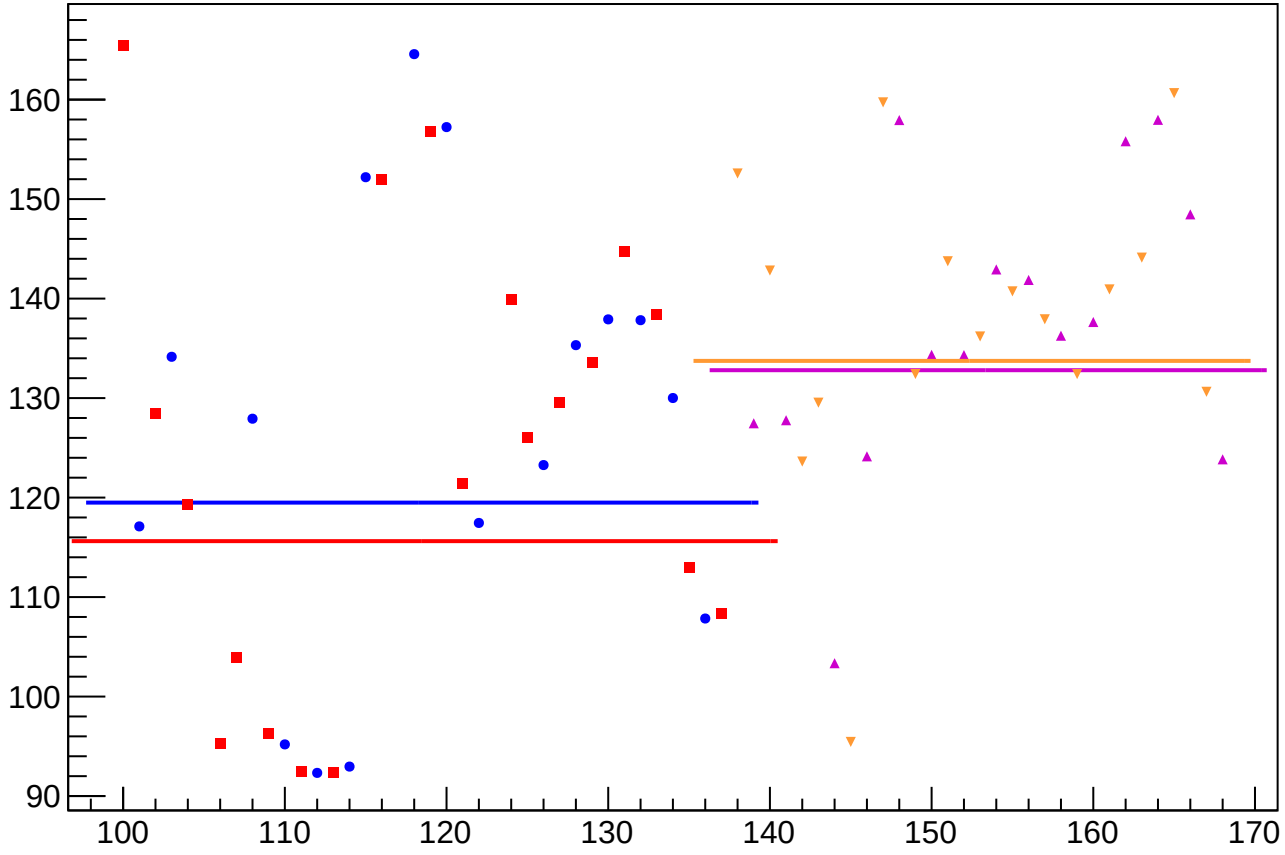
Left In: -272.555+/-38.236 χ^2/NDF:11.3/14

+ sign 167.804+/-29.136 χ^2/NDF: 31.8/31

All: -36.048+/-20.424 χ^2/NDF: 154.1/65

- sign -233.008+/-28.639 χ^2/NDF: 26.1/33

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 133.738+/-0.027 χ^2/NDF:402004.3/15

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

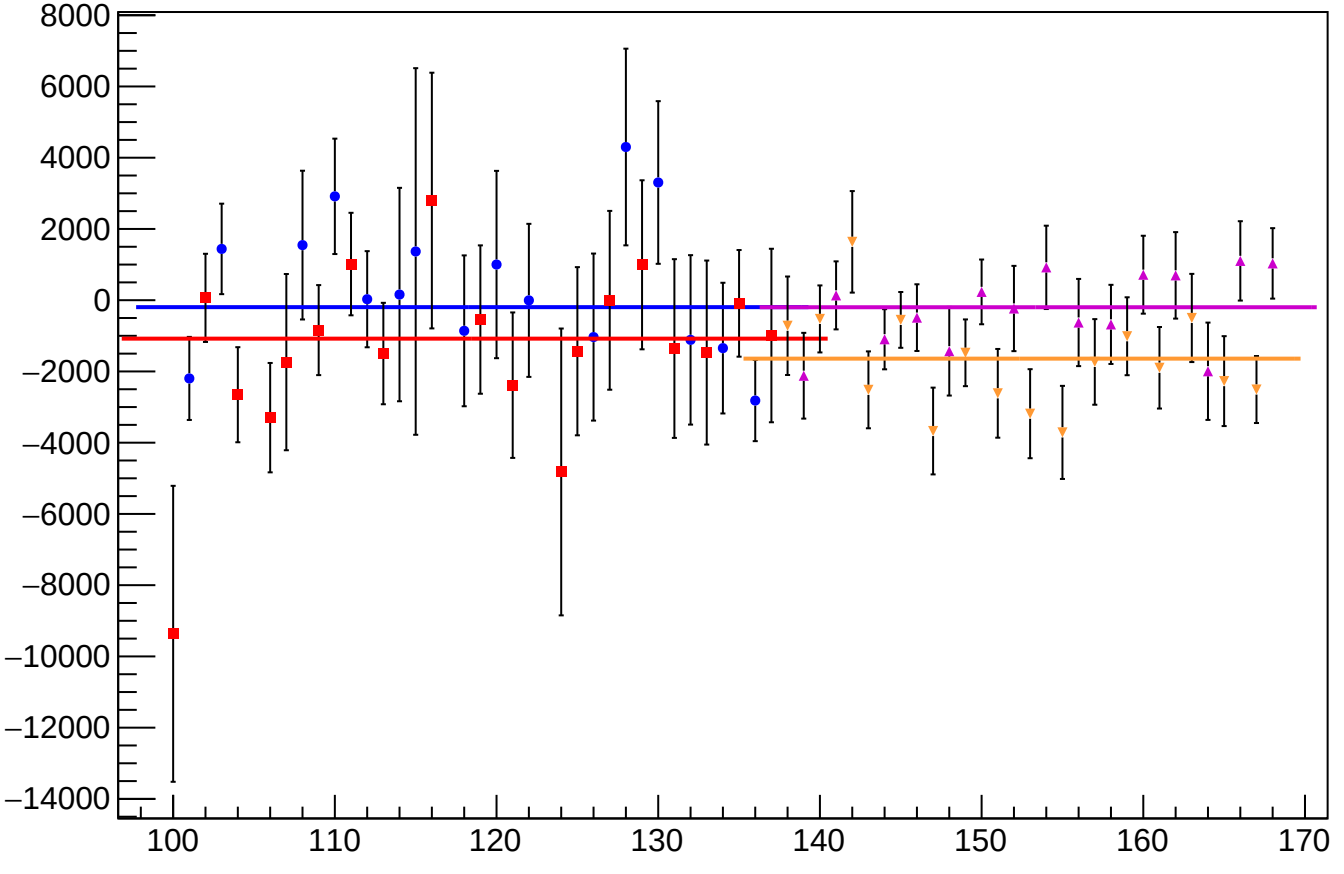
Left In: 132.803+/-0.027 χ^2/NDF:302026.2/14

+ sign 127.830+/-0.021 χ^2/NDF: 898288.1/31

All: 126.523+/-0.014 χ^2/NDF: 1812463.0/65

- sign 125.261+/-0.020 χ^2/NDF: 906263.2/33

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1640.659+/-277.114 χ^2/NDF:19.5/15

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

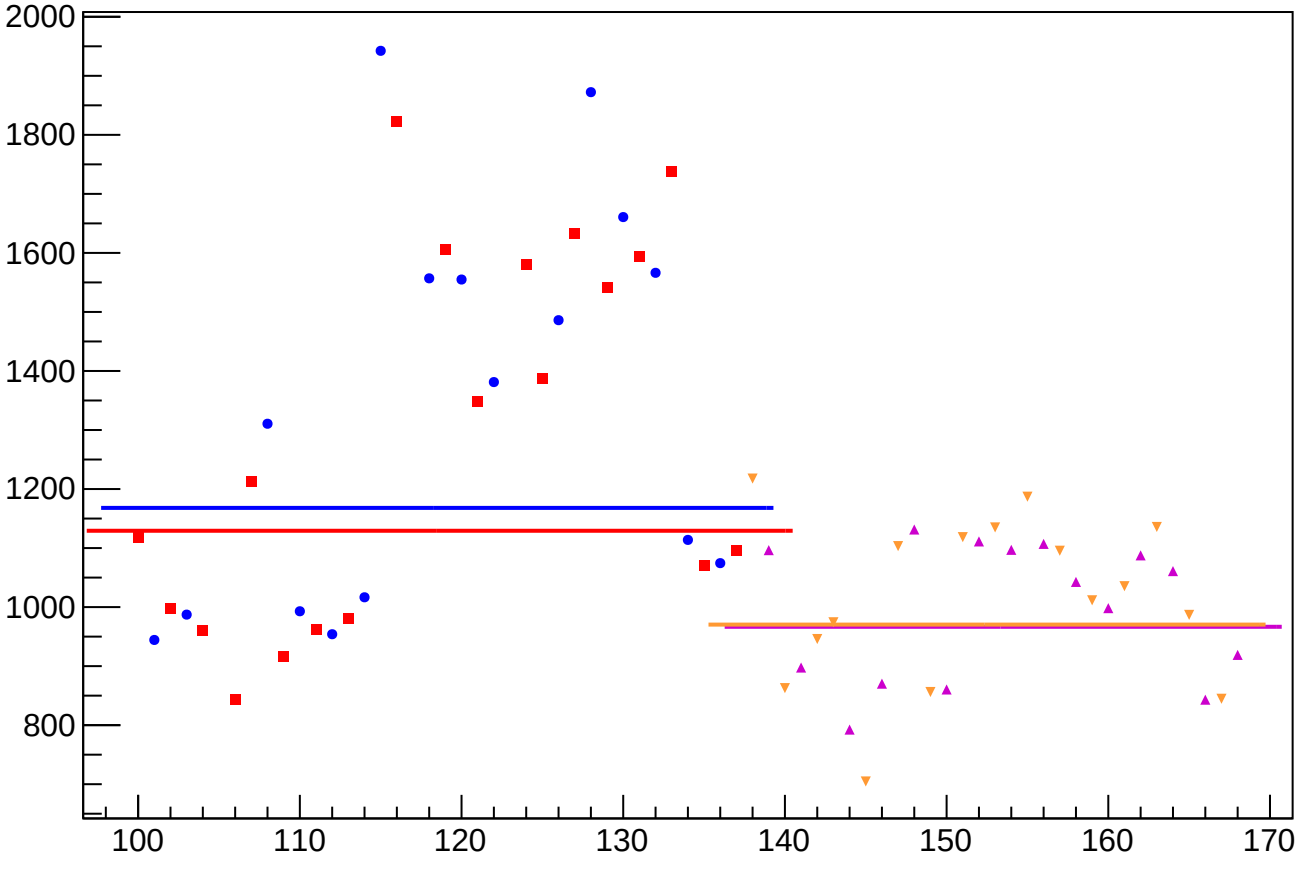
Left In: -197.732+/-277.632 χ^2/NDF:12.2/14

+ sign -1239.760+/-235.575 χ^2/NDF: 47.5/31

All: -845.216+/-165.510 χ^2/NDF: 82.8/65

- sign -460.613+/-232.588 χ^2/NDF: 29.8/33

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 970.355+/-0.196 χ^2/NDF:595374.4/15

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

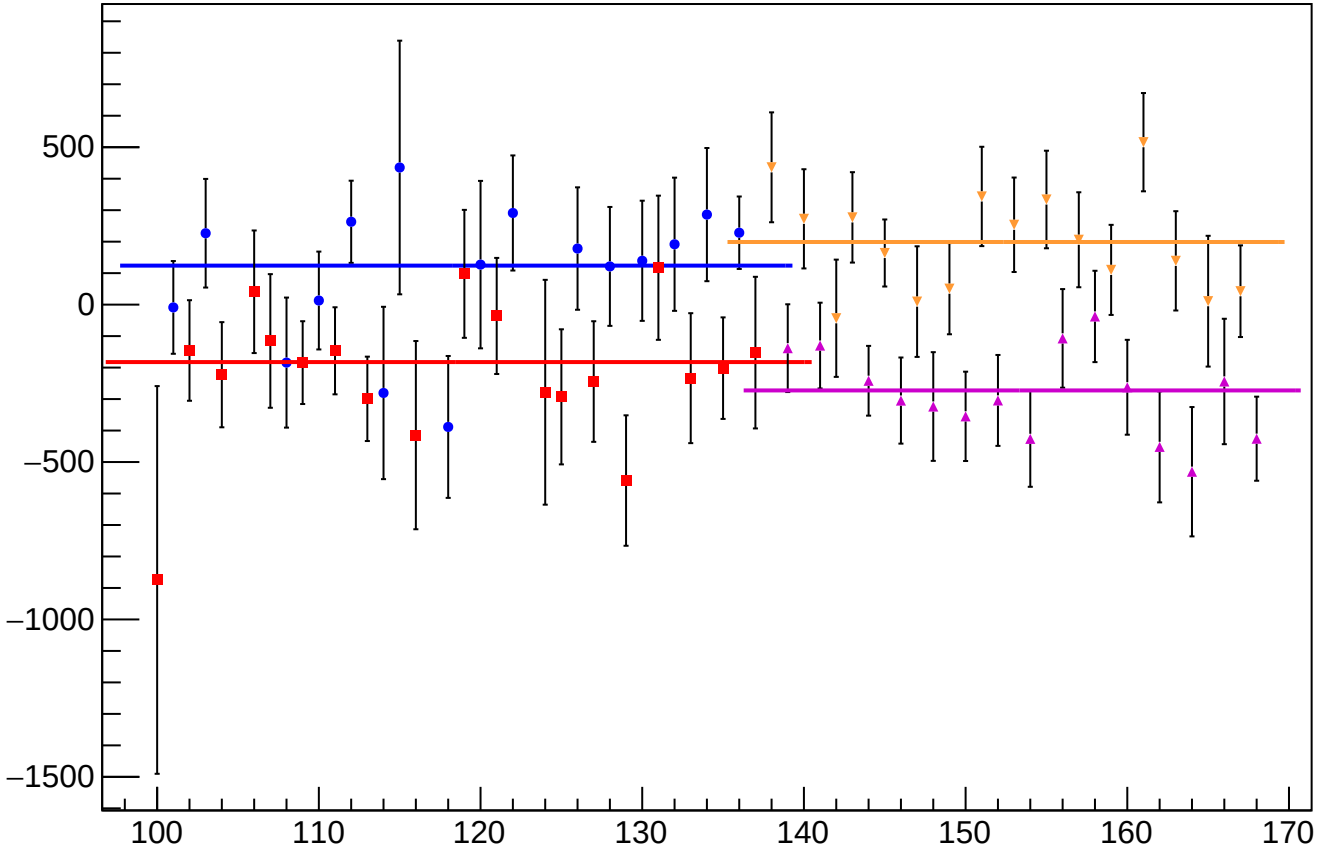
Left In: 966.651+/-0.196 χ^2/NDF:352428.5/14

+ sign 1025.185+/-0.167 χ^2/NDF: 1587067.1/31

All: 1020.105+/-0.117 χ^2/NDF: 2953263.9/65

- sign 1015.152+/-0.164 χ^2/NDF: 1364360.0/33

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 198.932+/-38.087 χ^2/NDF:14.7/15

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

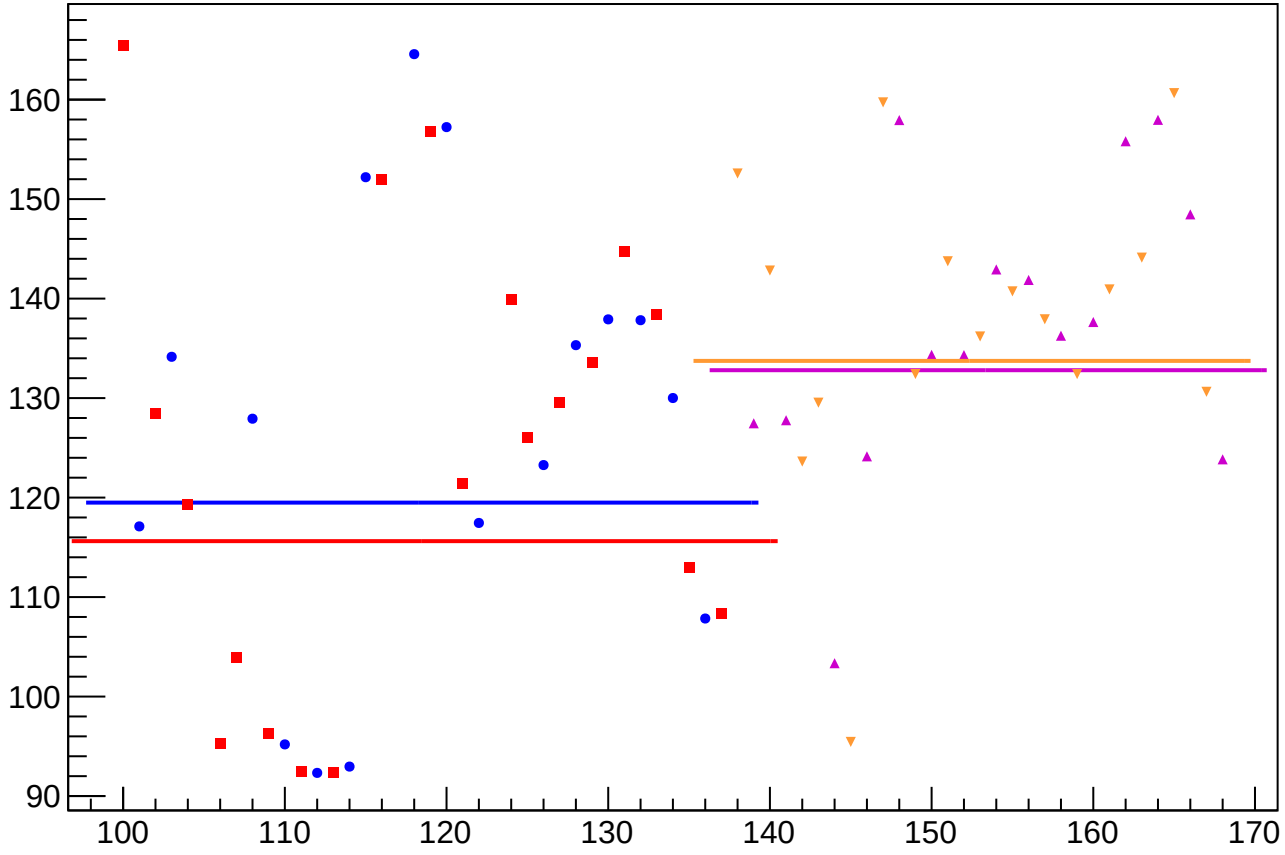
Left In: -272.556+/-38.236 χ^2/NDF:11.3/14

+ sign 167.806+/-29.136 χ^2/NDF: 31.8/31

All: -36.048+/-20.424 χ^2/NDF: 154.1/65

- sign -233.008+/-28.639 χ^2/NDF: 26.1/33

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 133.739+/-0.027 χ^2/NDF:402004.8/15

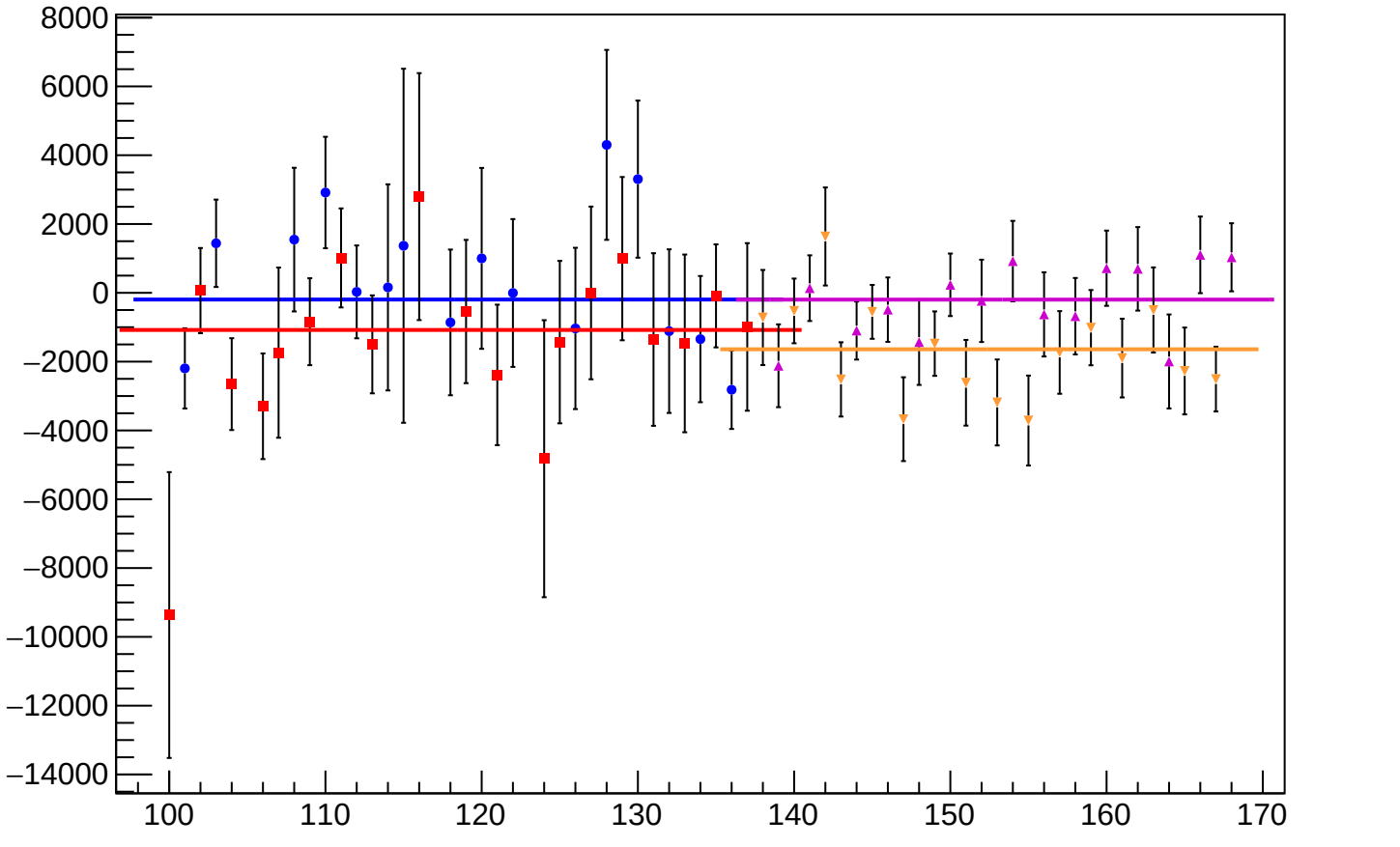
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 132.803+/-0.027 χ^2/NDF:302026.1/14

+ sign 127.830+/-0.021 χ^2/NDF: 898292.8/31

All: 126.523+/-0.014 χ^2/NDF: 1812474.4/65

- sign 125.261+/-0.020 χ^2/NDF: 906269.5/33



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1640.655+/-277.114 χ^2/NDF:19.5/15

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

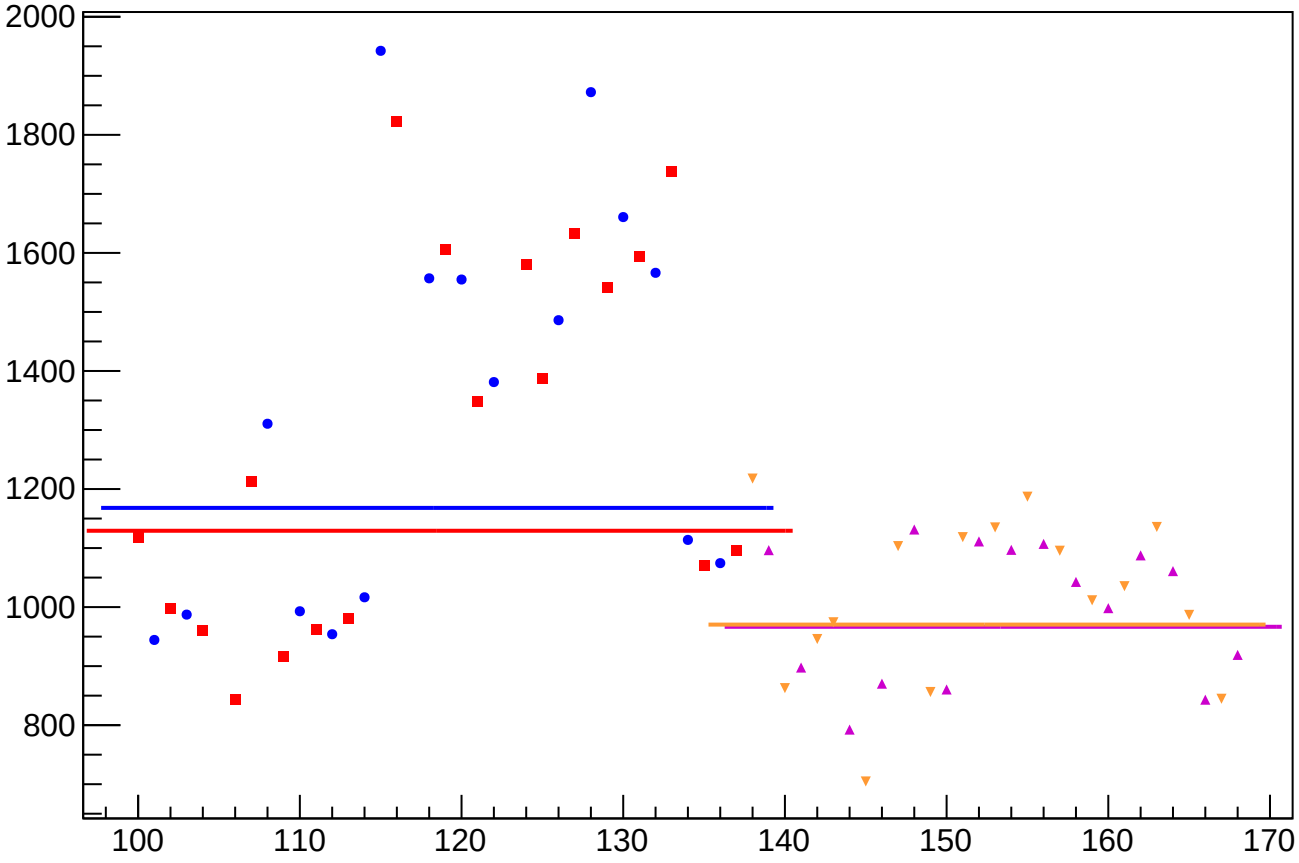
Left In: -197.731+/-277.632 χ^2/NDF:12.2/14

+ sign -1239.758+/-235.575 χ^2/NDF: 47.5/31

All: -845.215+/-165.510 χ^2/NDF: 82.8/65

- sign -460.612+/-232.588 χ^2/NDF: 29.8/33

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 970.354+/-0.196 χ^2/NDF:595379.8/15

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

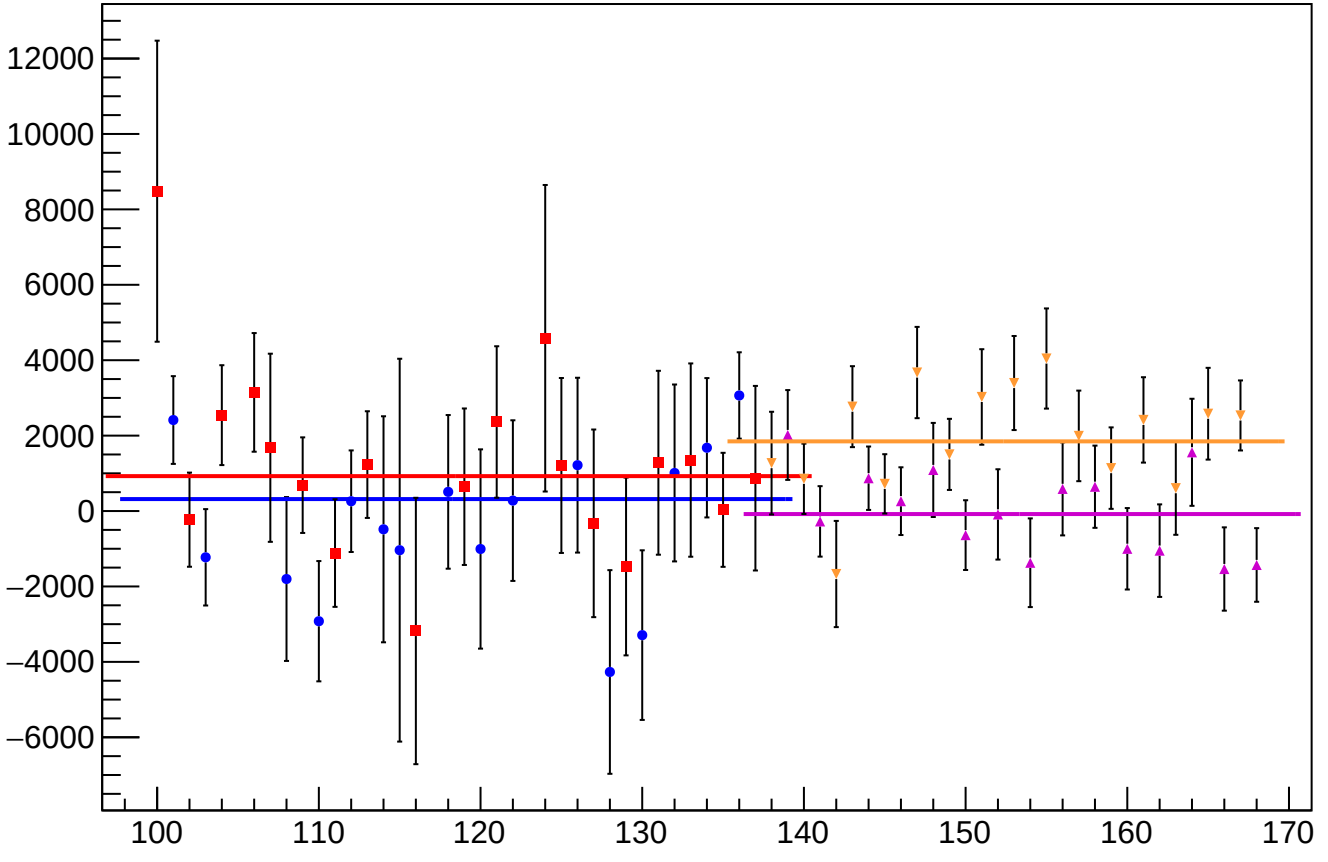
Left In: 966.651+/-0.196 χ^2/NDF:352428.6/14

+ sign 1025.184+/-0.167 χ^2/NDF: 1587077.0/31

All: 1020.104+/-0.117 χ^2/NDF: 2953276.3/65

- sign 1015.152+/-0.164 χ^2/NDF: 1364362.6/33

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1847.682+/-275.907 χ^2/NDF:20.5/15

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

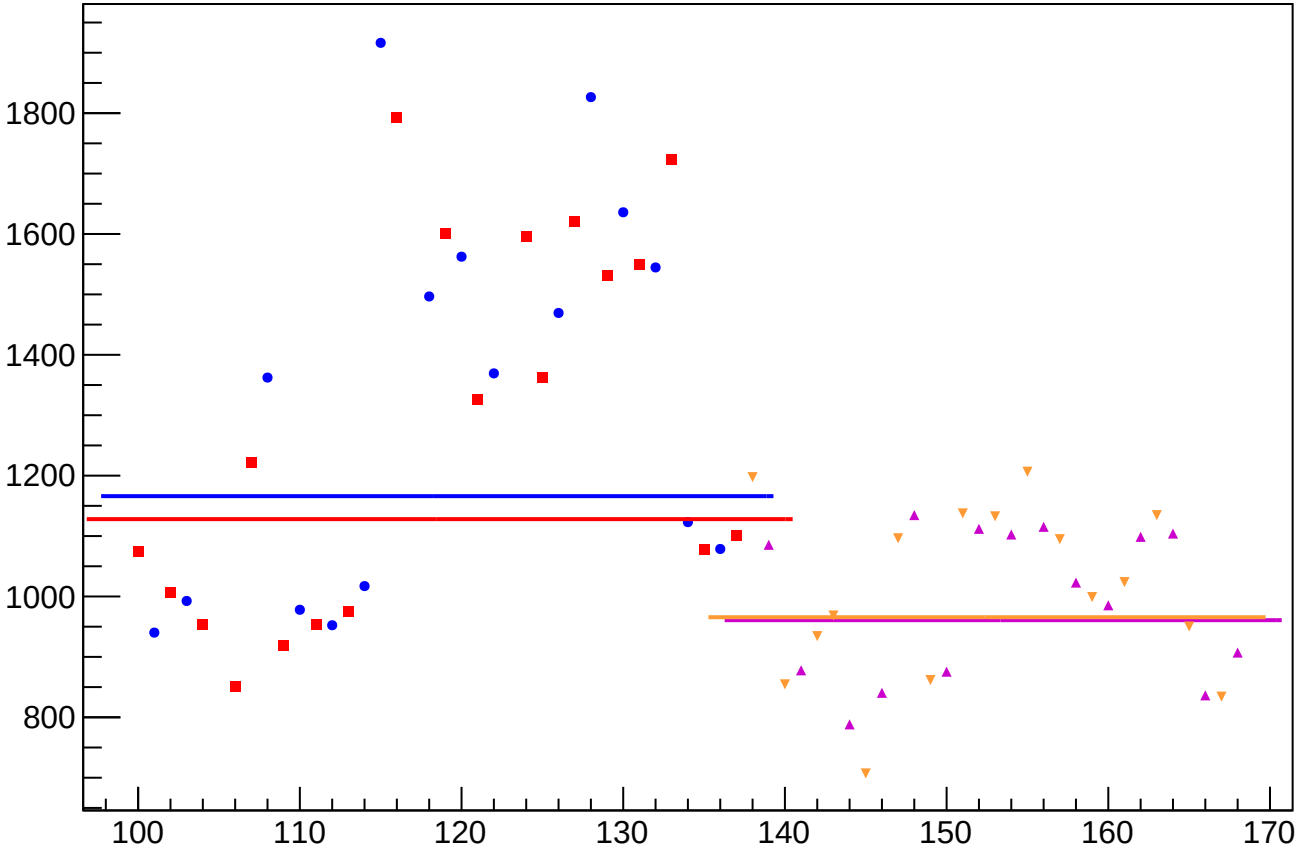
Left In: -80.014+/-276.061 χ^2/NDF:14.1/14

+ sign 1424.595+/-234.688 χ^2/NDF: 51.2/31

All: 813.296+/-164.837 χ^2/NDF: 97.1/65

- sign 218.109+/-231.574 χ^2/NDF: 32.6/33

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 965.663+/-0.195 χ^2/NDF:597436.9/15

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

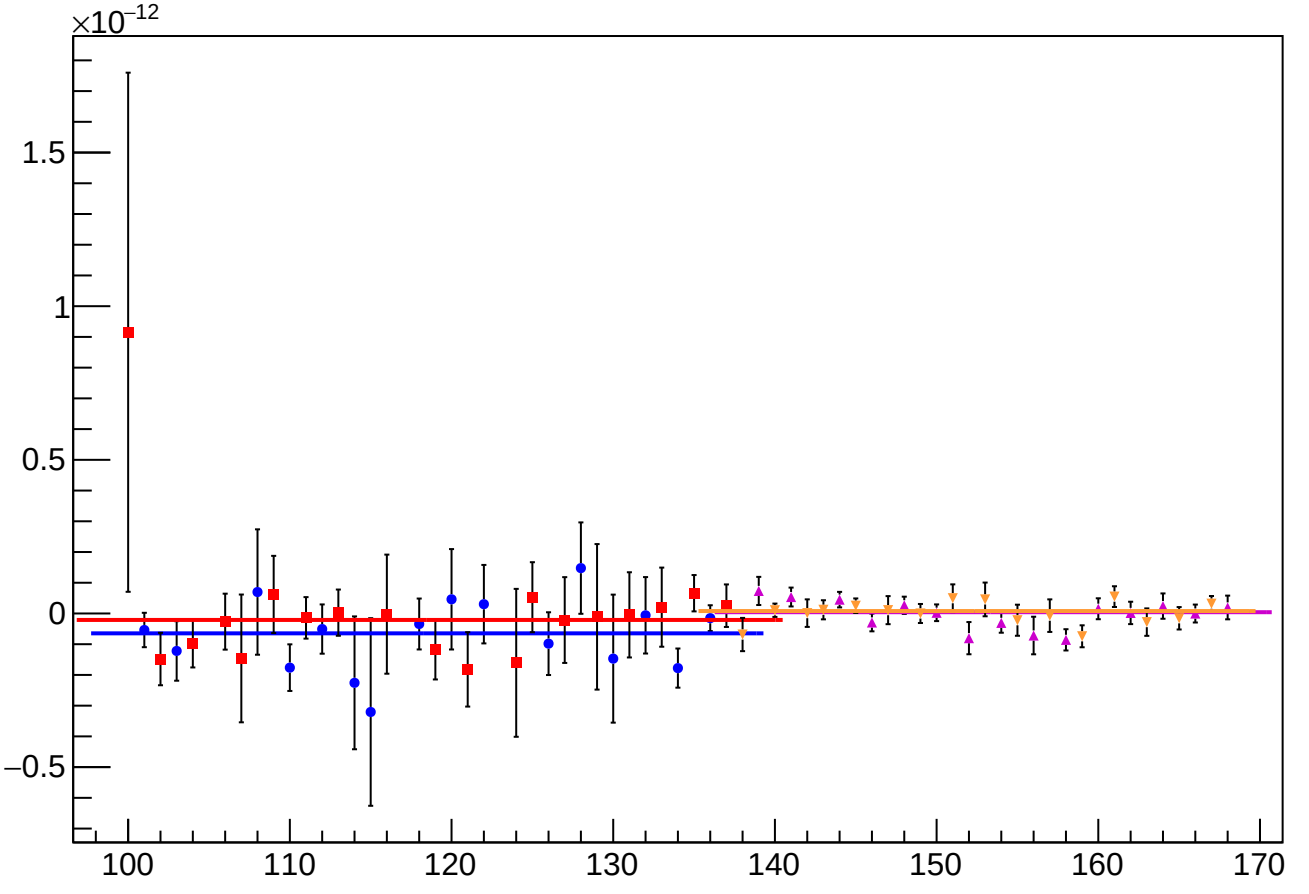
Left In: 960.764+/-0.195 χ^2/NDF:390561.7/14

+ sign 1021.066+/-0.166 χ^2/NDF: 1566189.3/31

All: 1015.623+/-0.117 χ^2/NDF: 2952155.1/65

- sign 1010.323+/-0.164 χ^2/NDF: 1383842.4/33

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

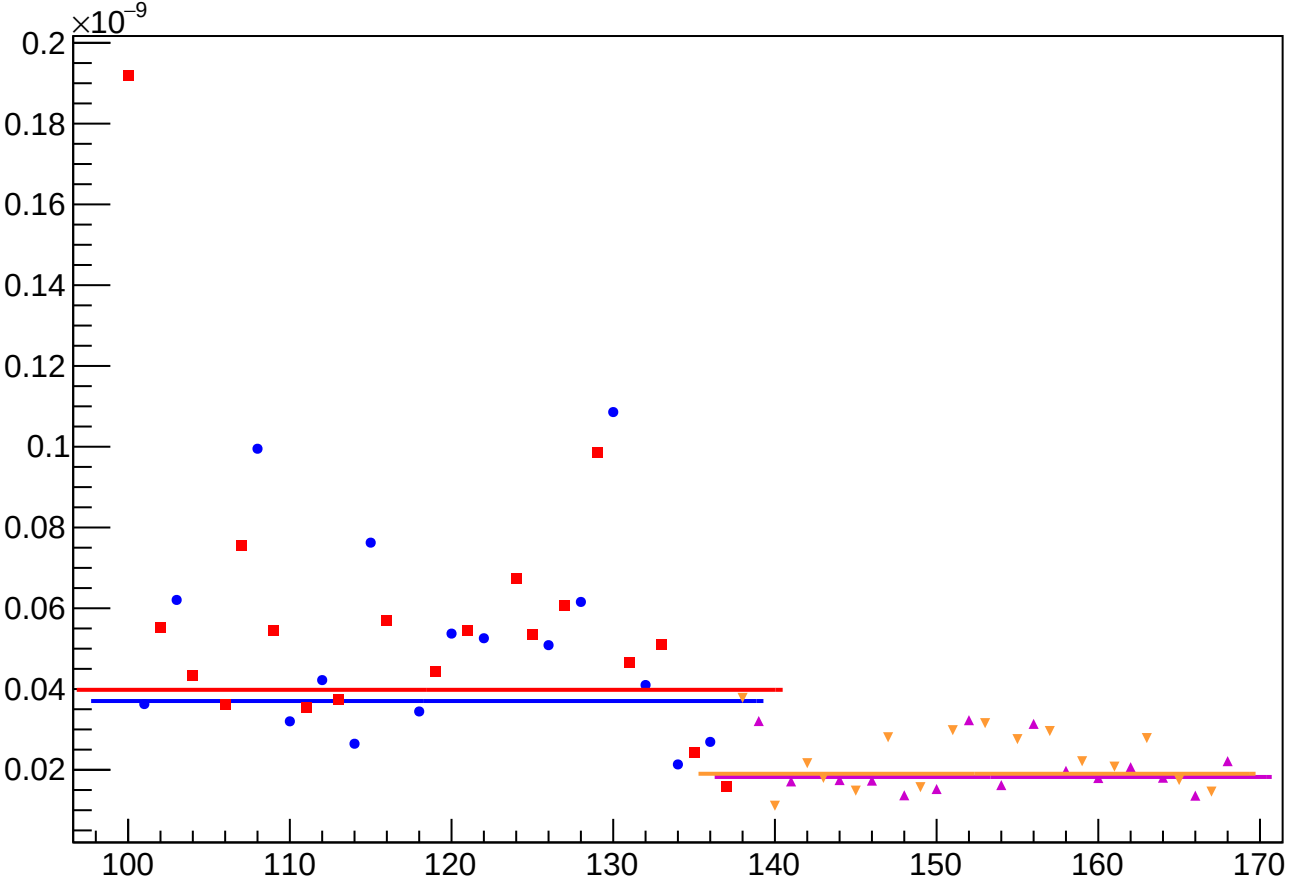
Left In: 0.000+/-0.000 χ^2/NDF:22.1/14

+ sign -0.000+/-0.000 χ^2/NDF: 35.6/31

All: -0.000+/-0.000 χ^2/NDF: 70.3/65

- sign 0.000+/-0.000 χ^2/NDF: 34.6/33

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:1200221.0/15

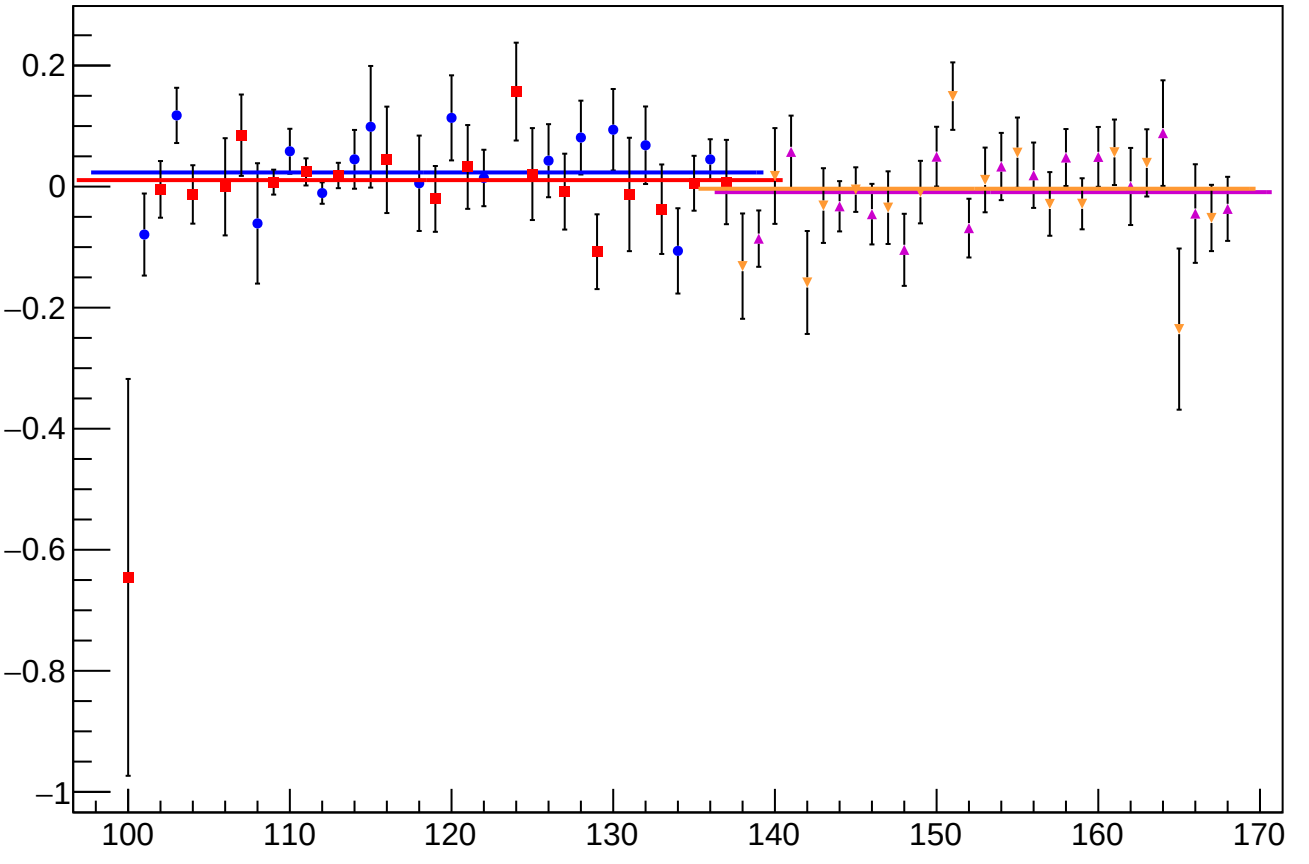
Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:593472.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 3371837.8/31

All: 0.000+/-0.000 χ^2/NDF: 6403939.1/65

- sign 0.000+/-0.000 χ^2/NDF: 3026712.5/33



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.004+/-0.014 χ^2/NDF:20.9/15

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

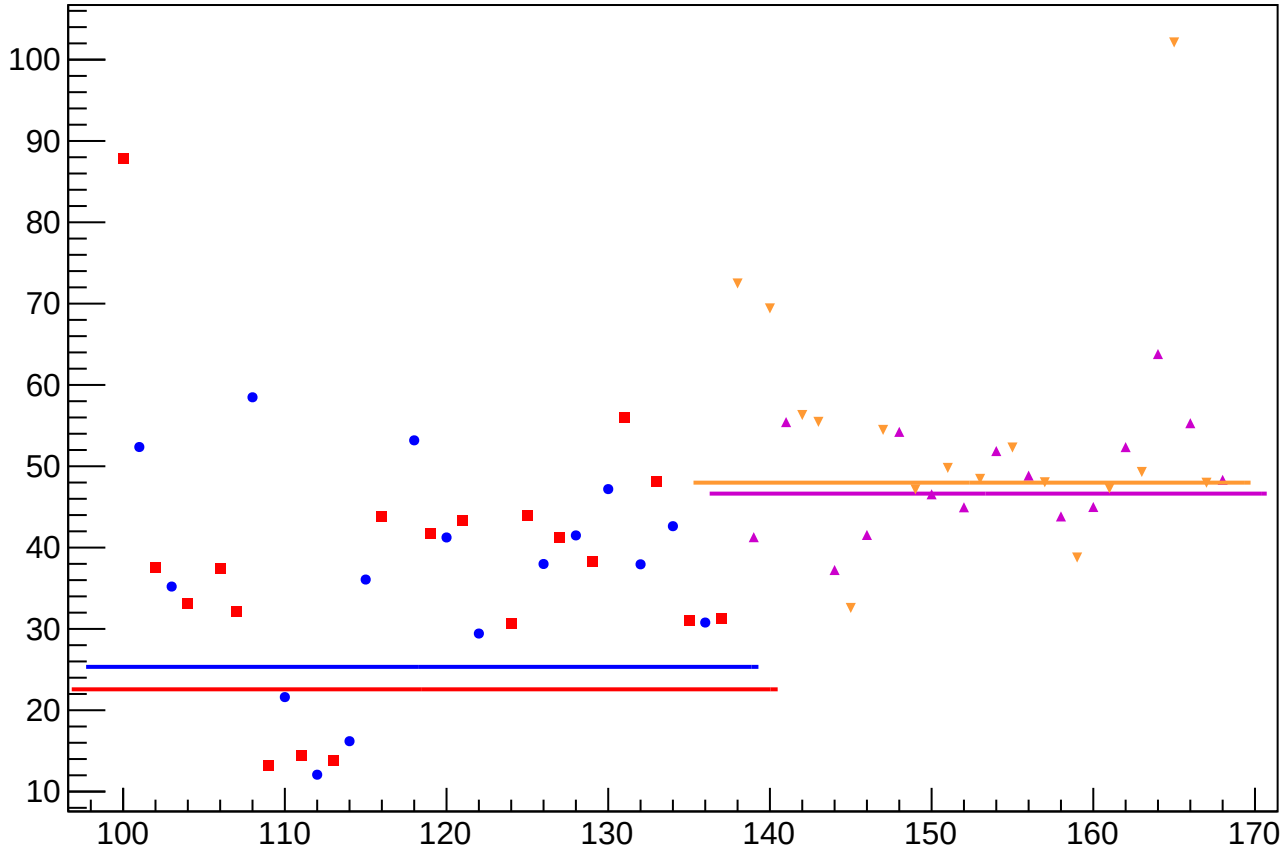
Left In: -0.009+/-0.014 χ^2/NDF:15.7/14

+ sign 0.013+/-0.009 χ^2/NDF: 43.9/31

All: 0.008+/-0.006 χ^2/NDF: 75.8/65

- sign 0.004+/-0.008 χ^2/NDF: 31.3/33

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.986+/-0.010 χ^2/NDF:1168070.4/15

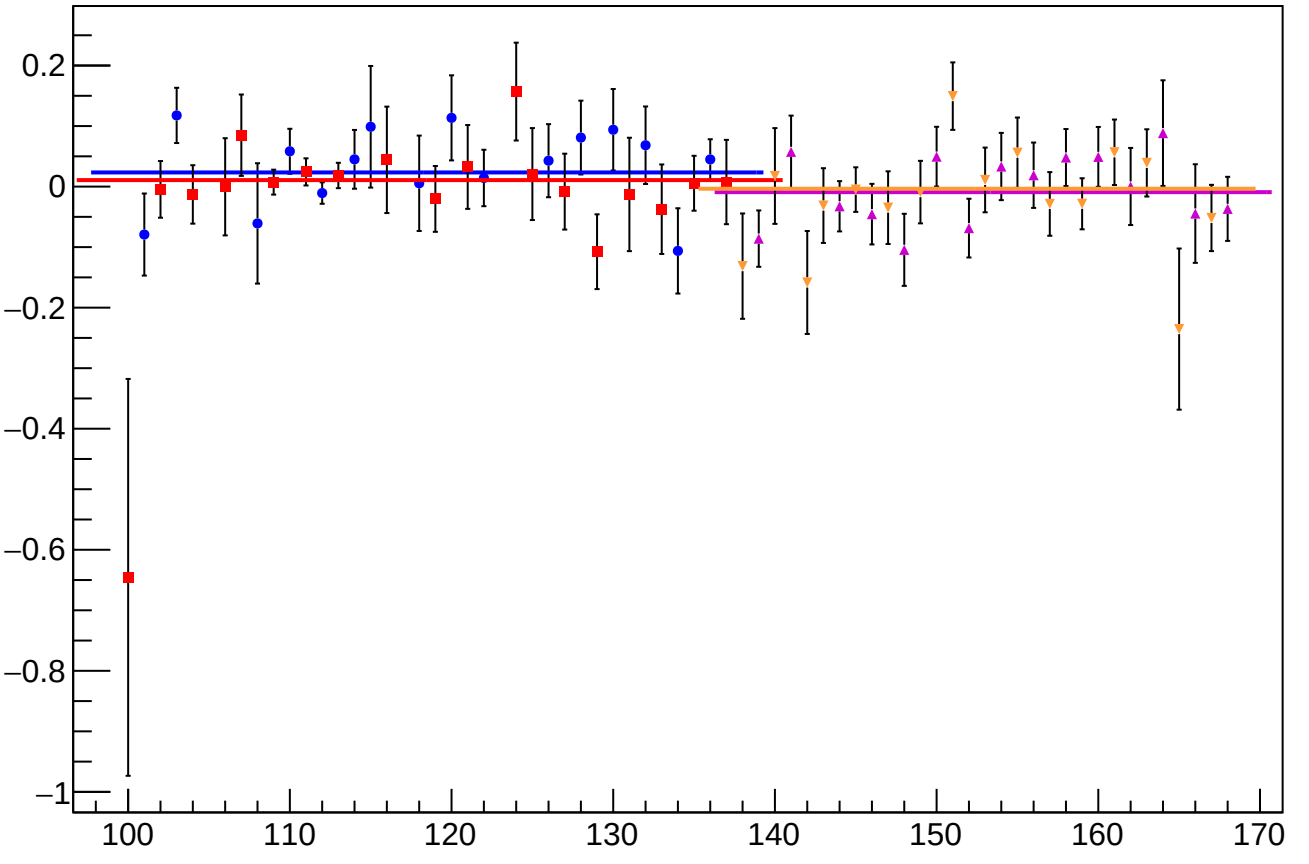
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.637+/-0.010 χ^2/NDF:376128.5/14

+ sign 33.970+/-0.006 χ^2/NDF: 7286787.1/31

All: 32.163+/-0.004 χ^2/NDF: 15003802.6/65

- sign 30.641+/-0.006 χ^2/NDF: 7558262.9/33



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.004+/-0.014 χ^2/NDF:20.9/15

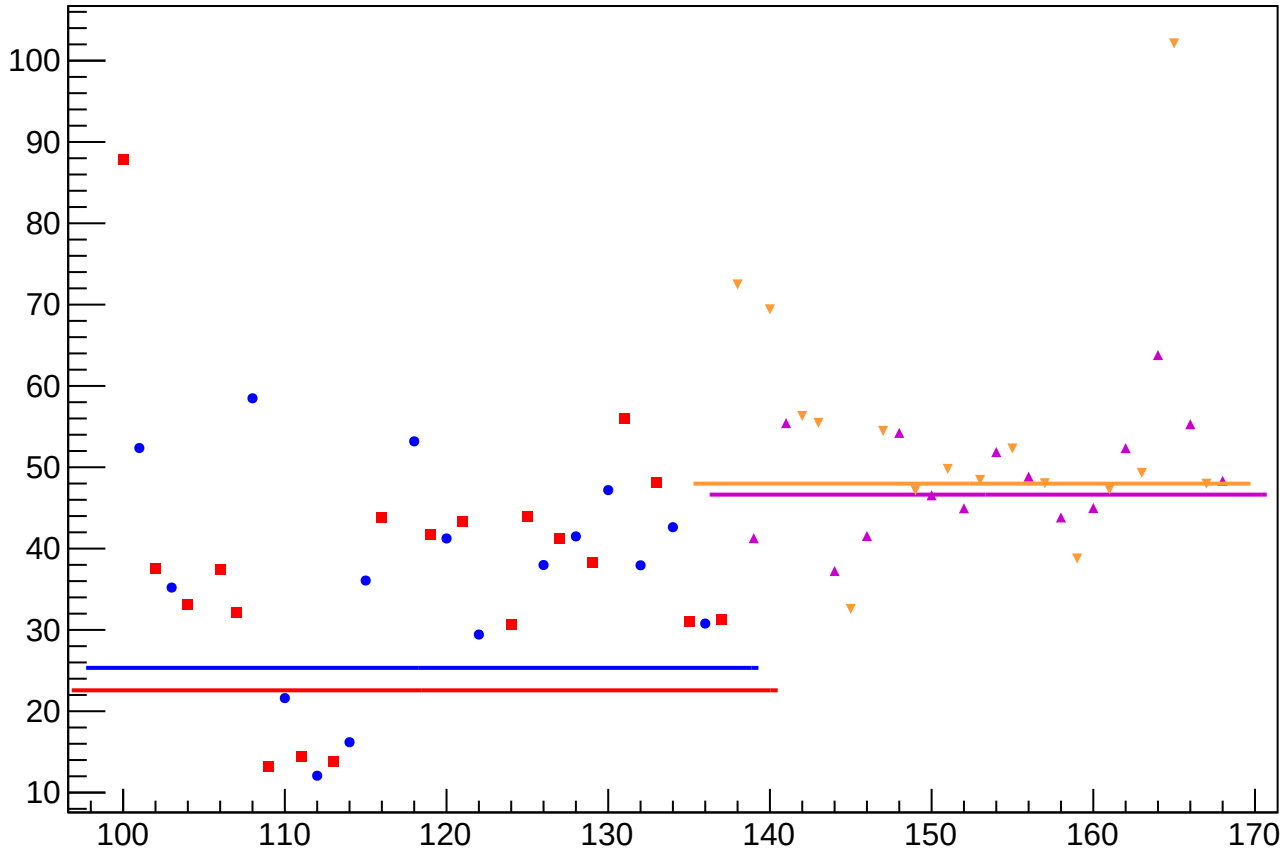
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.009+/-0.014 χ^2/NDF:15.7/14

+ sign 0.013+/-0.009 χ^2/NDF: 43.9/31

All: 0.008+/-0.006 χ^2/NDF: 75.8/65

- sign 0.004+/-0.008 χ^2/NDF: 31.3/33



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.986+/-0.010 χ^2/NDF:1168070.4/15

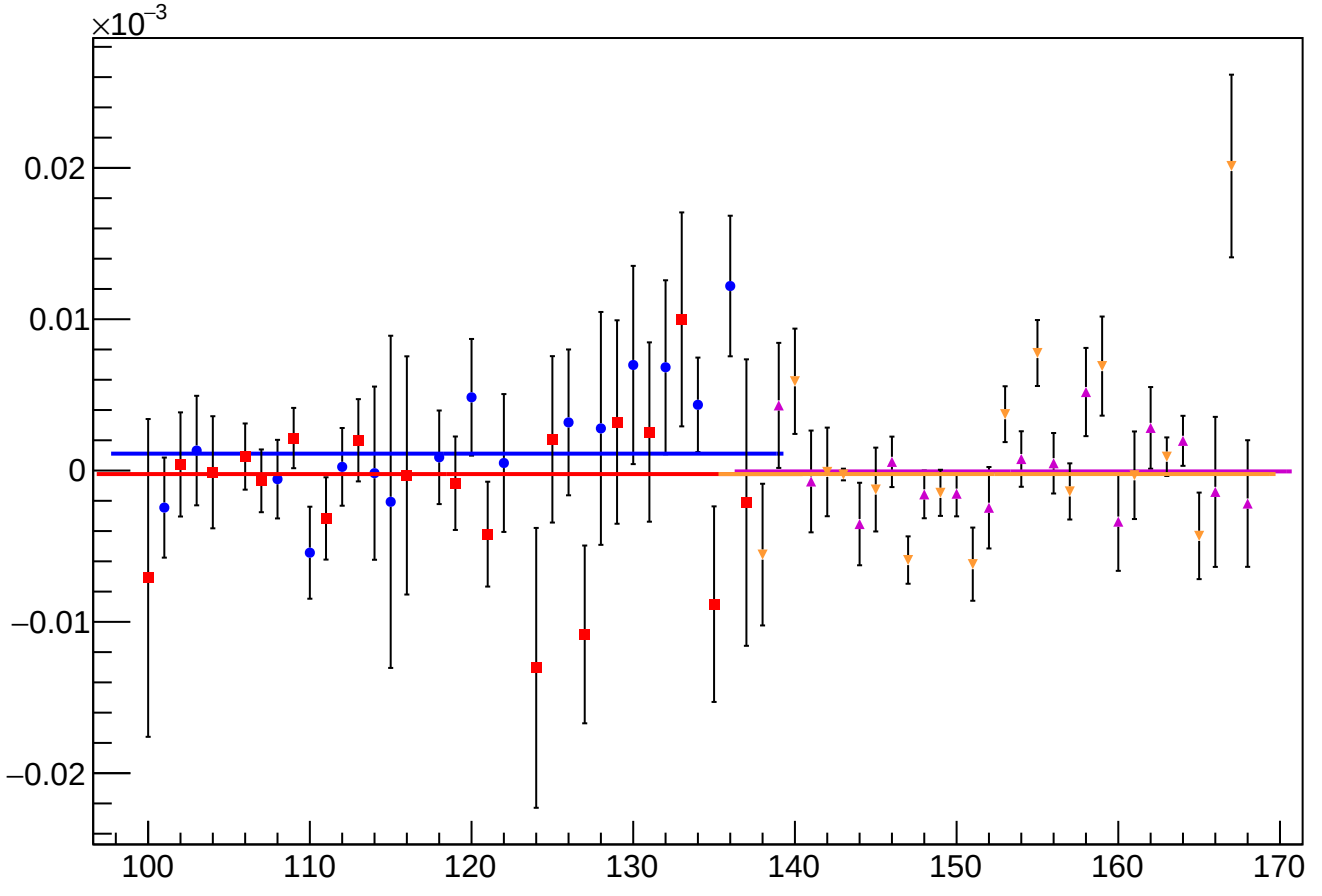
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.637+/-0.010 χ^2/NDF:376128.5/14

+ sign 33.970+/-0.006 χ^2/NDF: 7286787.1/31

All: 32.163+/-0.004 χ^2/NDF: 15003802.6/65

- sign 30.641+/-0.006 χ^2/NDF: 7558262.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:61.9/15

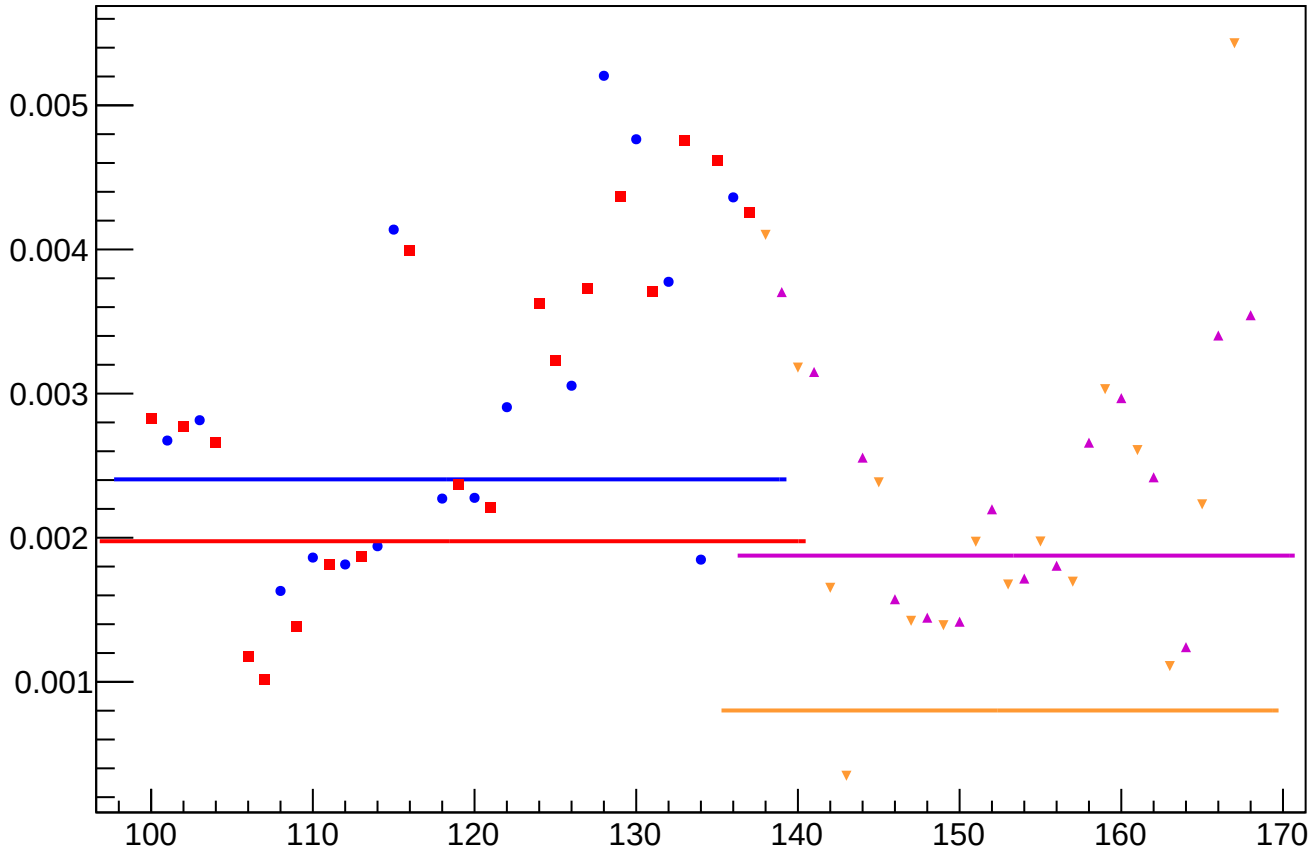
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/14

+ sign -0.000+/-0.000 χ^2/NDF: 79.9/31

All: -0.000+/-0.000 χ^2/NDF: 108.2/65

- sign -0.000+/-0.000 χ^2/NDF: 28.3/33



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:11577117.9/15

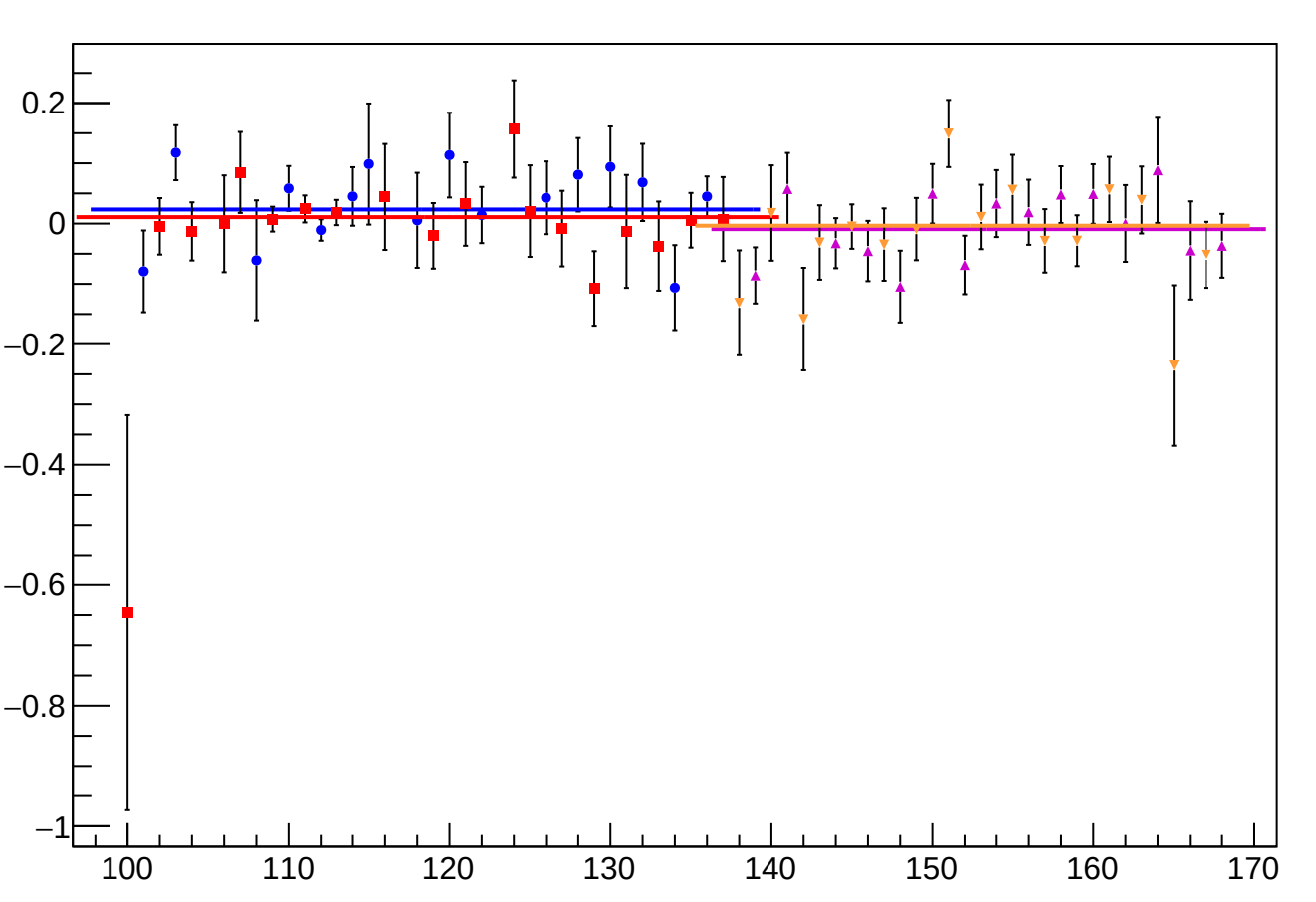
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:2505221.4/14

+ sign 0.001+/-0.000 χ^2/NDF: 18226566.6/31

All: 0.001+/-0.000 χ^2/NDF: 29257462.7/65

- sign 0.002+/-0.000 χ^2/NDF: 5300601.5/33



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.004+/-0.014 χ^2/NDF:20.9/15

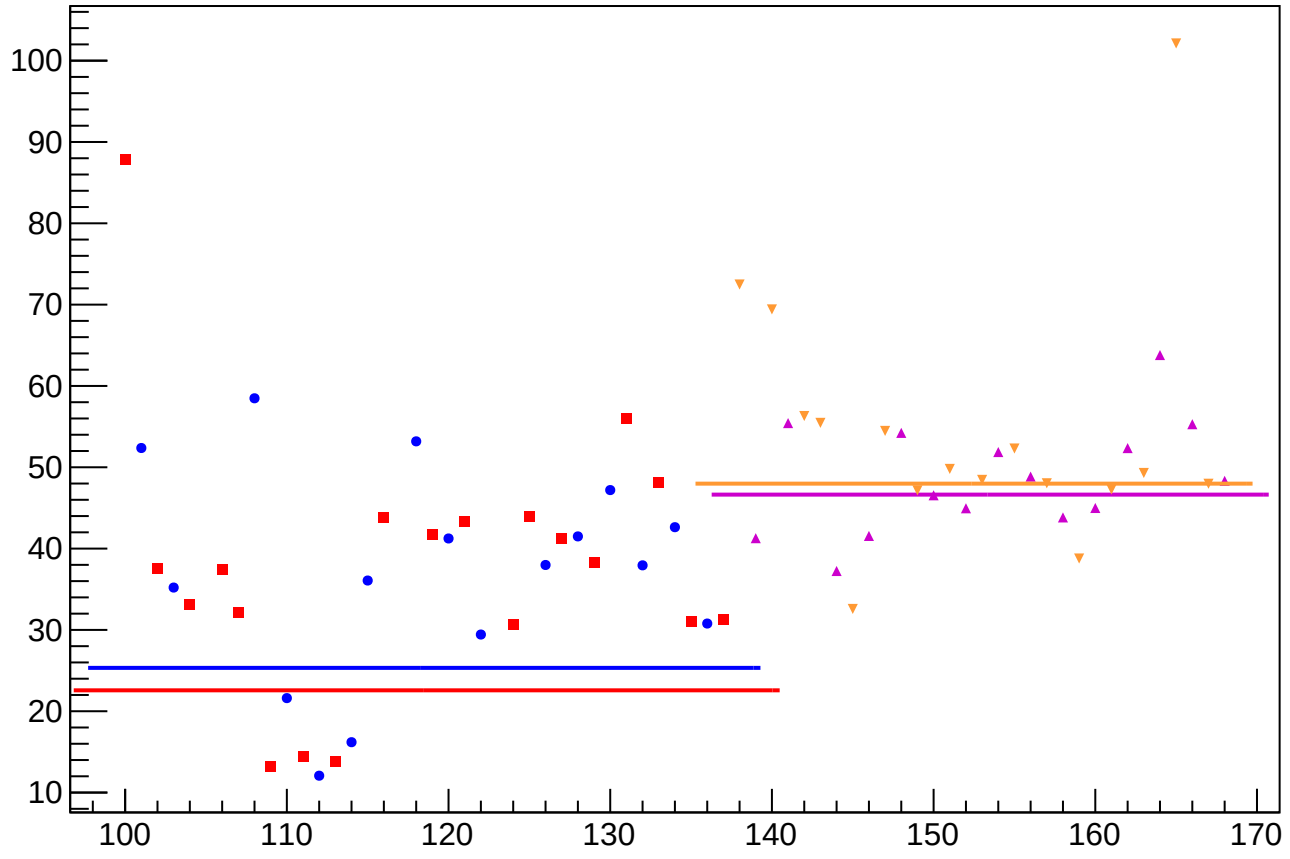
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.009+/-0.014 χ^2/NDF:15.7/14

+ sign 0.013+/-0.009 χ^2/NDF: 43.9/31

All: 0.008+/-0.006 χ^2/NDF: 75.8/65

- sign 0.004+/-0.008 χ^2/NDF: 31.3/33



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.987+/-0.010 χ^2/NDF:1168029.7/15

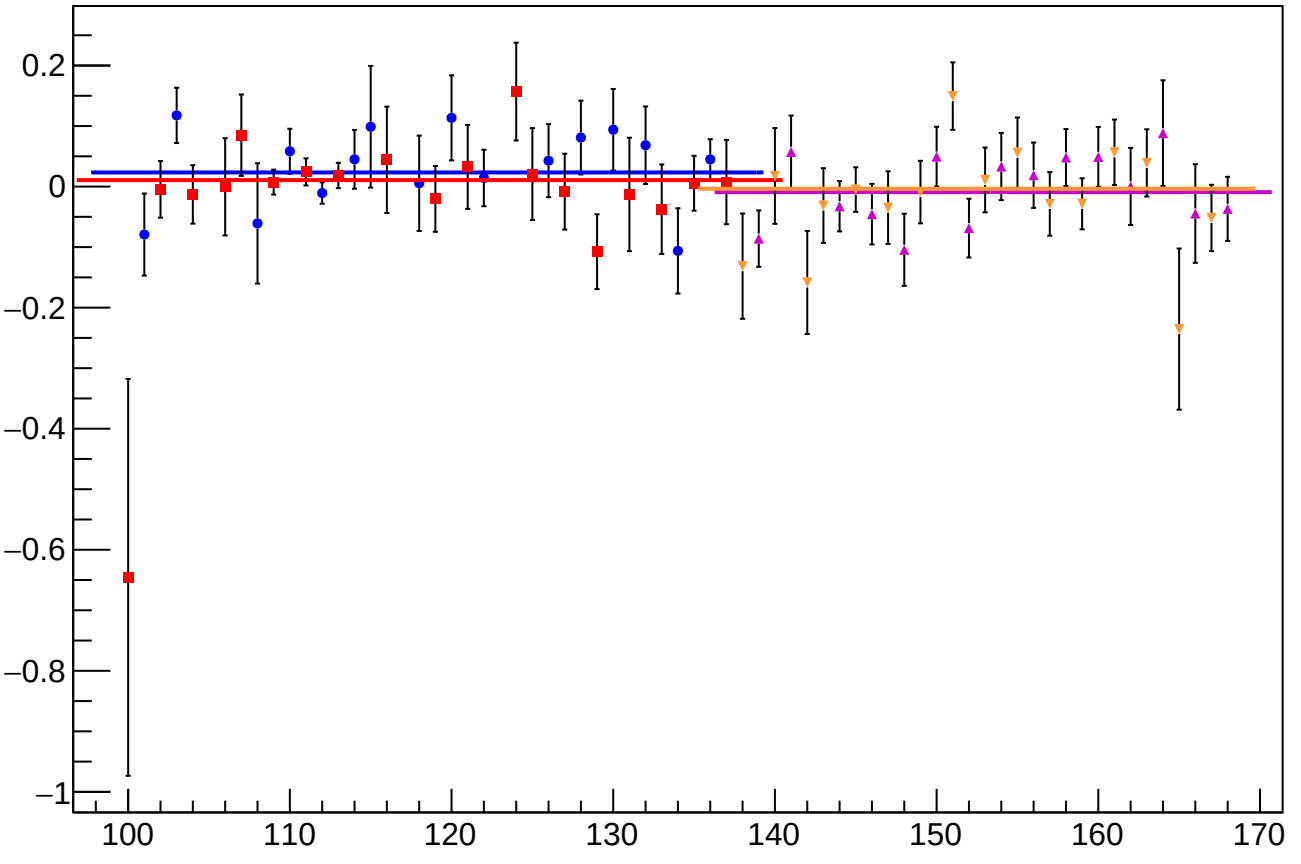
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.637+/-0.010 χ^2/NDF:376112.4/14

+ sign 33.969+/-0.006 χ^2/NDF: 7287702.5/31

All: 32.162+/-0.004 χ^2/NDF: 15004996.6/65

- sign 30.640+/-0.006 χ^2/NDF: 7558617.0/33



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.004+/-0.014 χ^2/NDF:20.9/15

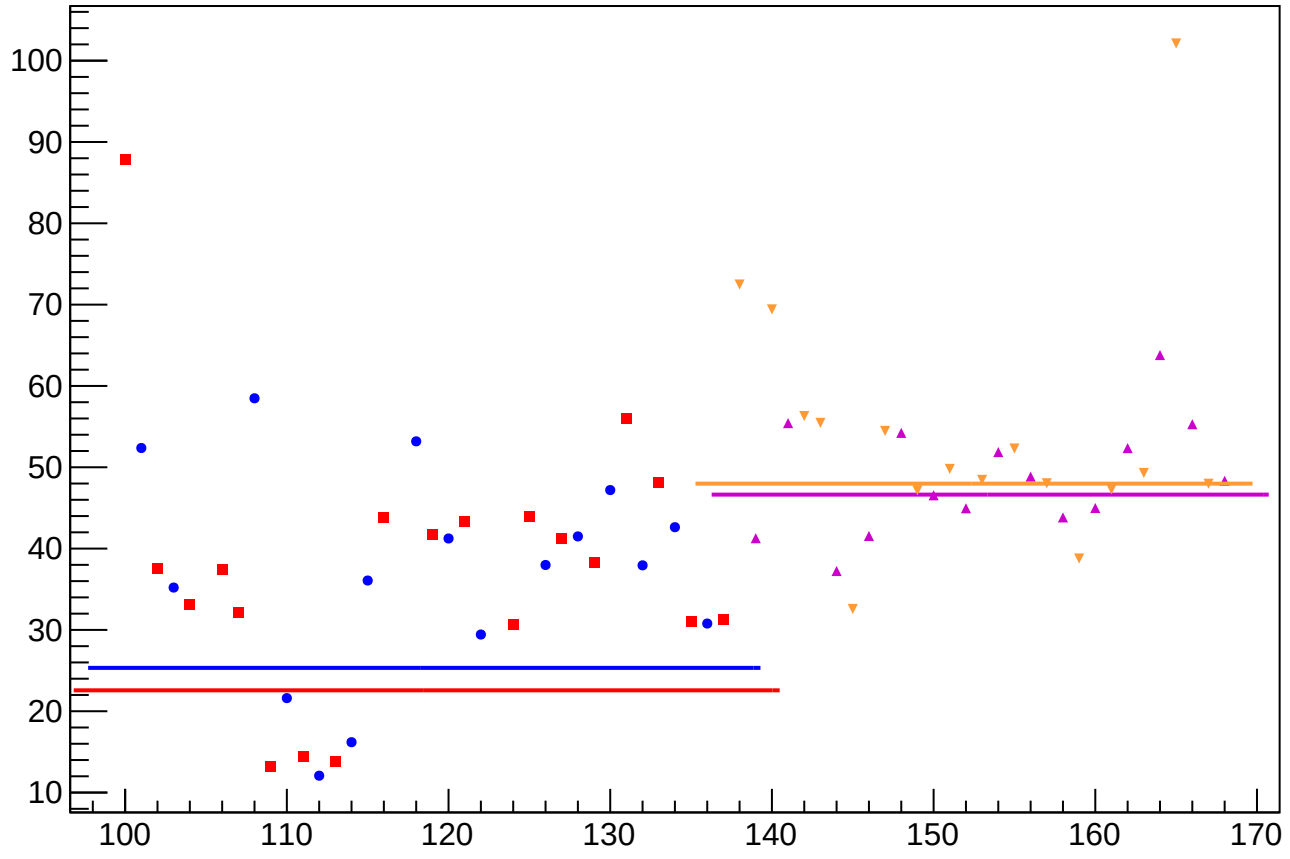
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.009+/-0.014 χ^2/NDF:15.7/14

+ sign 0.013+/-0.009 χ^2/NDF: 43.9/31

All: 0.008+/-0.006 χ^2/NDF: 75.8/65

- sign 0.004+/-0.008 χ^2/NDF: 31.3/33



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.987+/-0.010 χ^2/NDF:1168029.7/15

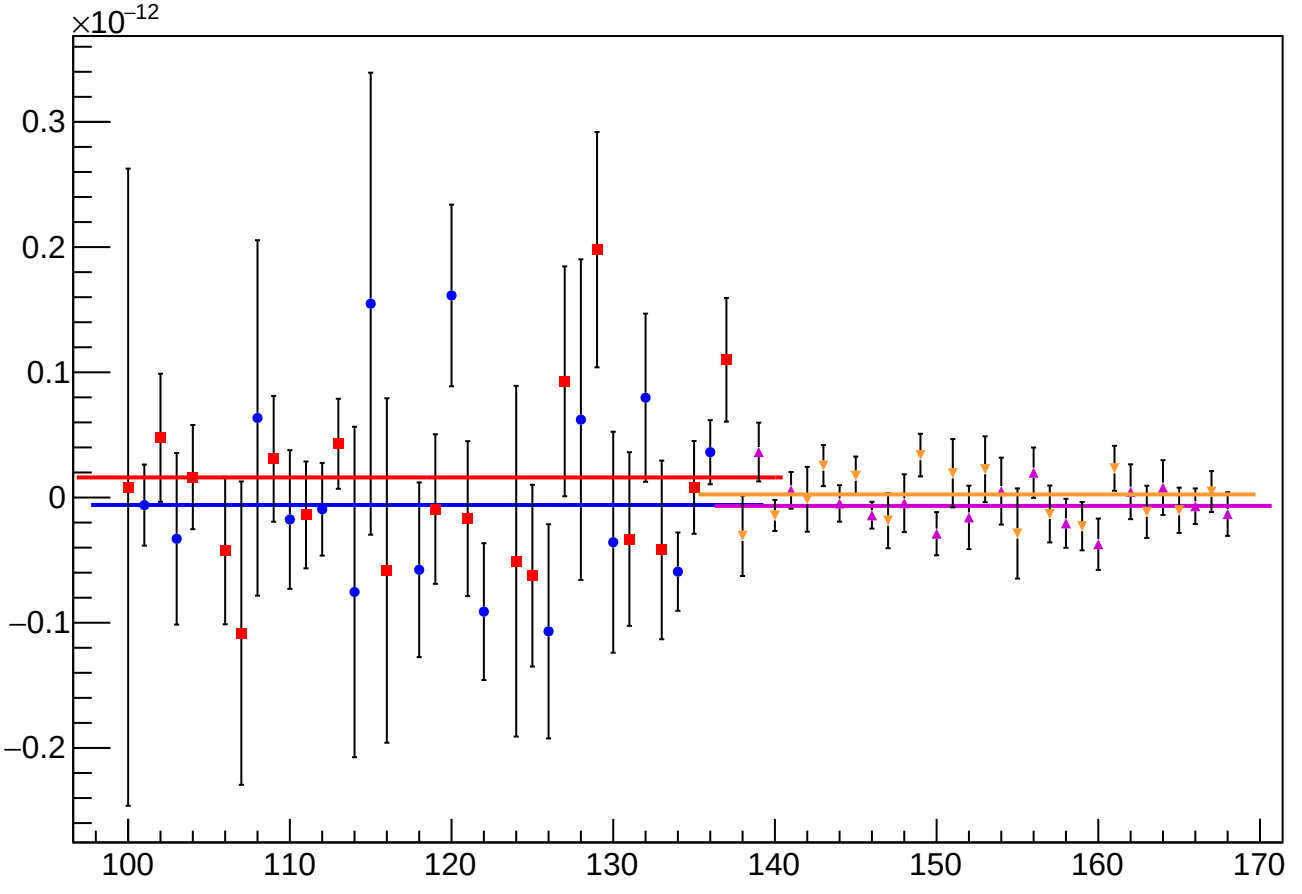
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.637+/-0.010 χ^2/NDF:376112.4/14

+ sign 33.969+/-0.006 χ^2/NDF: 7287702.5/31

All: 32.162+/-0.004 χ^2/NDF: 15004996.6/65

- sign 30.640+/-0.006 χ^2/NDF: 7558617.0/33



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.4/15

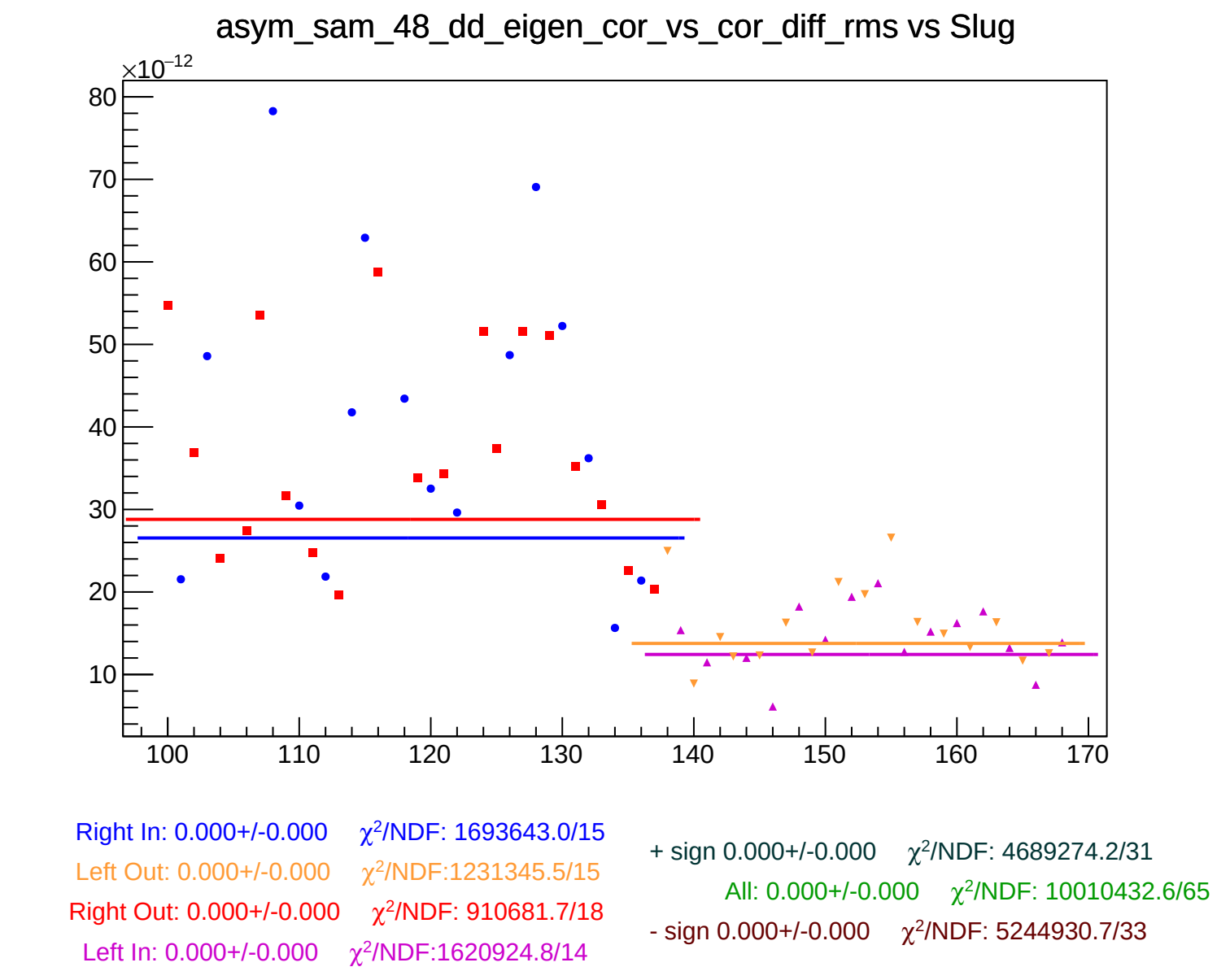
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/14

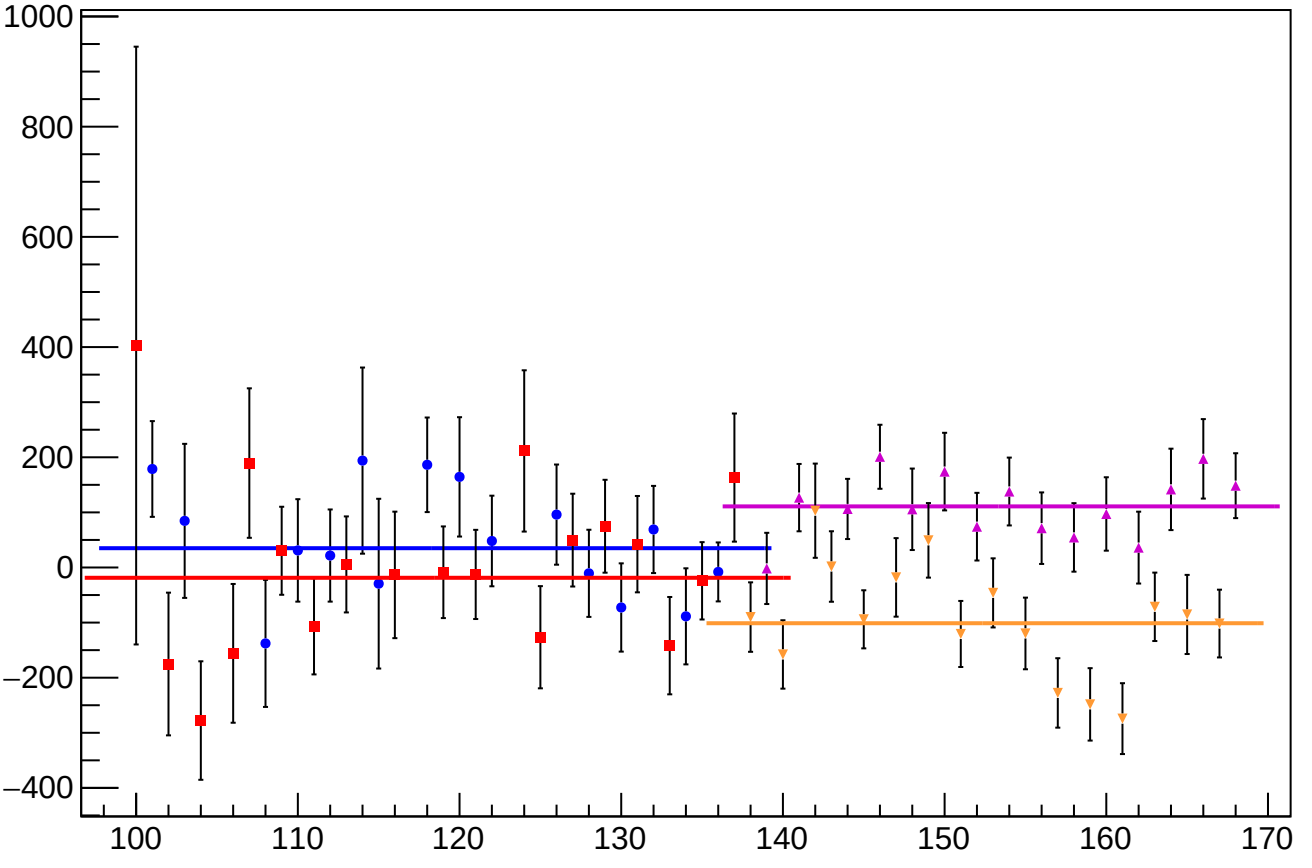
+ sign 0.000+/-0.000 χ^2/NDF: 35.6/31

All: -0.000+/-0.000 χ^2/NDF: 65.9/65

- sign -0.000+/-0.000 χ^2/NDF: 29.5/33


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:1231345.5/15
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1620924.8/14
+ sign 0.000+/-0.000 χ²/NDF: 4689274.2/31
All: 0.000+/-0.000 χ²/NDF: 10010432.6/65
- sign 0.000+/-0.000 χ²/NDF: 5244930.7/33

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.158+/-16.054 χ^2/NDF:33.0/15

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

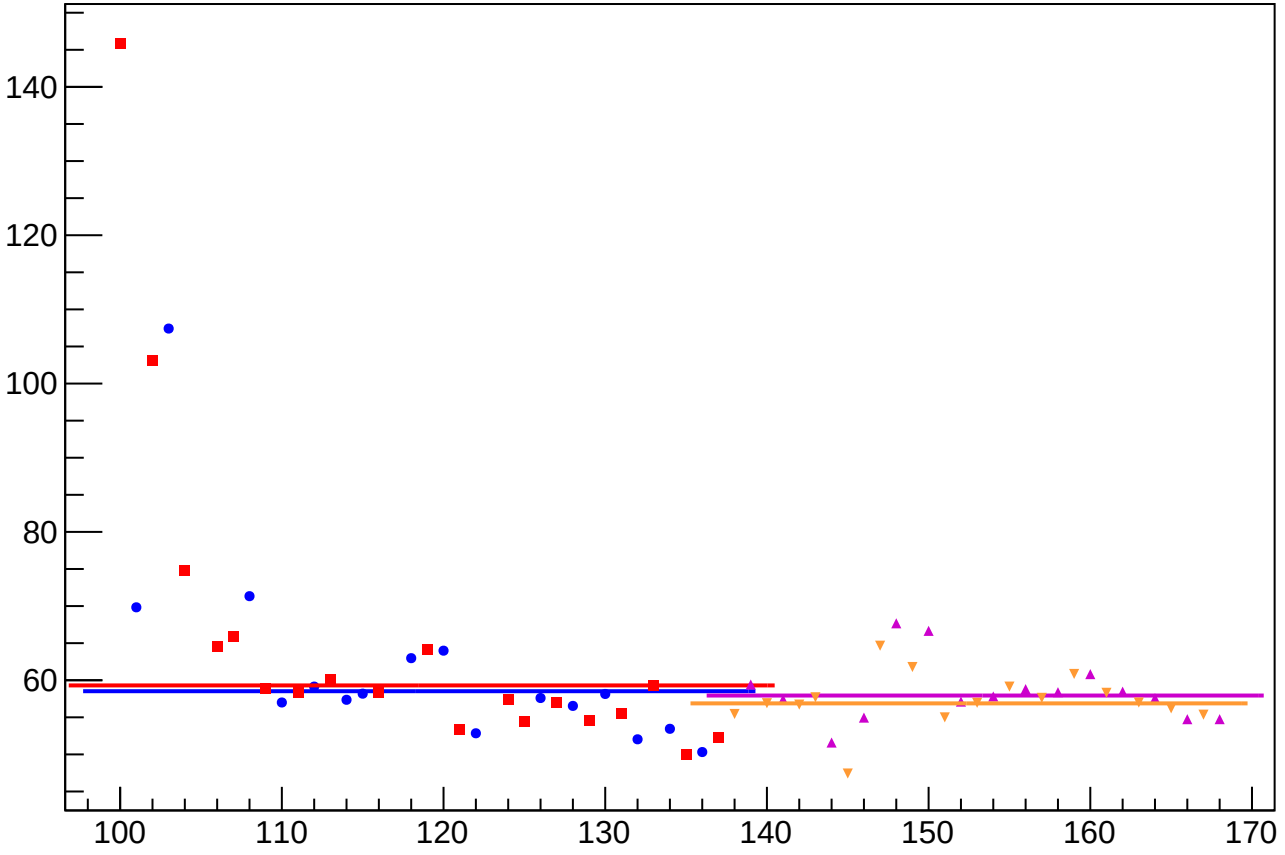
Left In: 110.885+/-16.501 χ^2/NDF:11.4/14

+ sign -54.215+/-12.996 χ^2/NDF: 74.0/31

All: 4.135+/-9.271 χ^2/NDF: 172.0/65

- sign 64.606+/-13.230 χ^2/NDF: 57.0/33

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.880+/-0.011 χ^2/NDF:114433.1/15

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

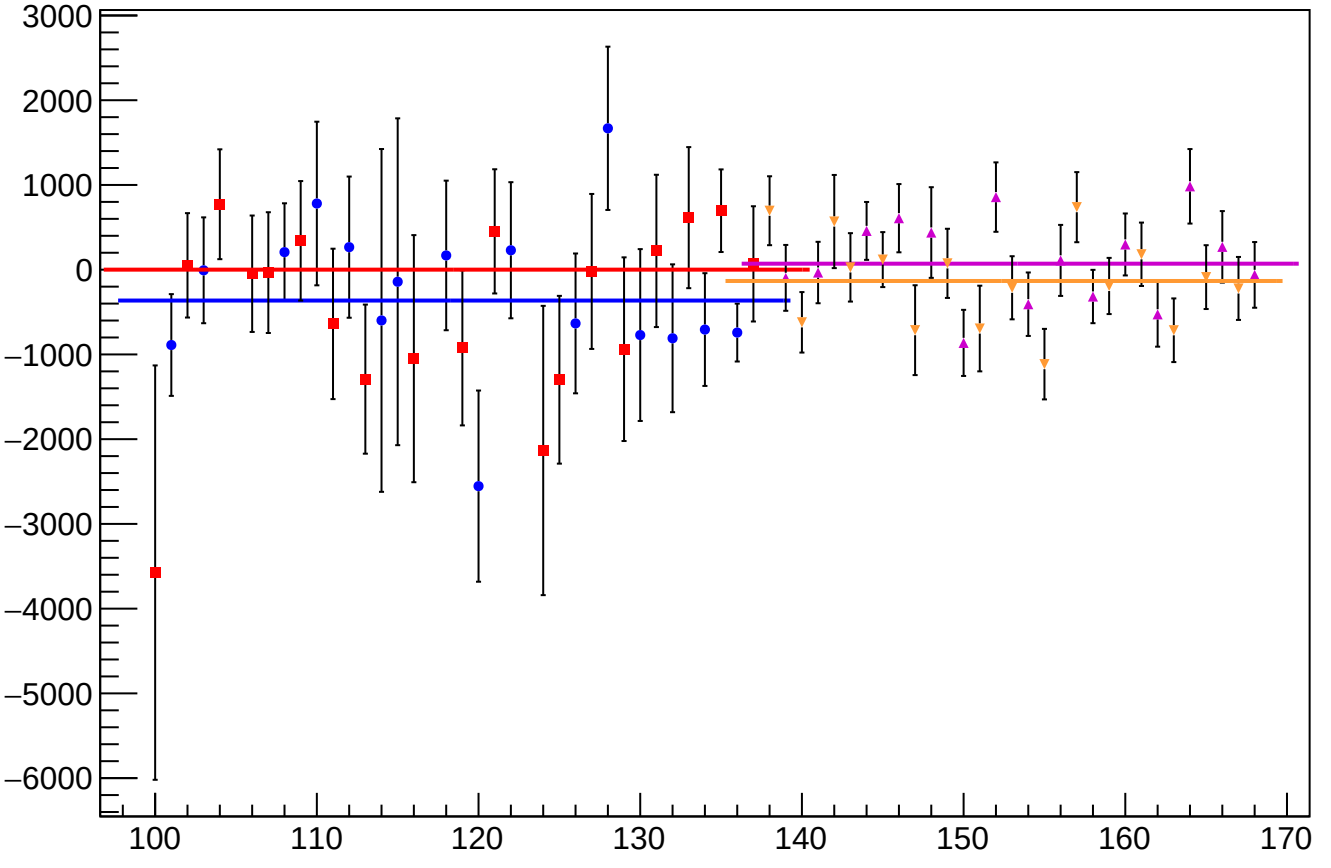
Left In: 57.938+/-0.012 χ^2/NDF:113283.4/14

+ sign 57.446+/-0.009 χ^2/NDF: 514385.7/31

All: 57.927+/-0.007 χ^2/NDF: 1044730.9/65

- sign 58.425+/-0.009 χ^2/NDF: 524772.7/33

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -133.212+/-98.643 χ^2/NDF:24.4/15

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

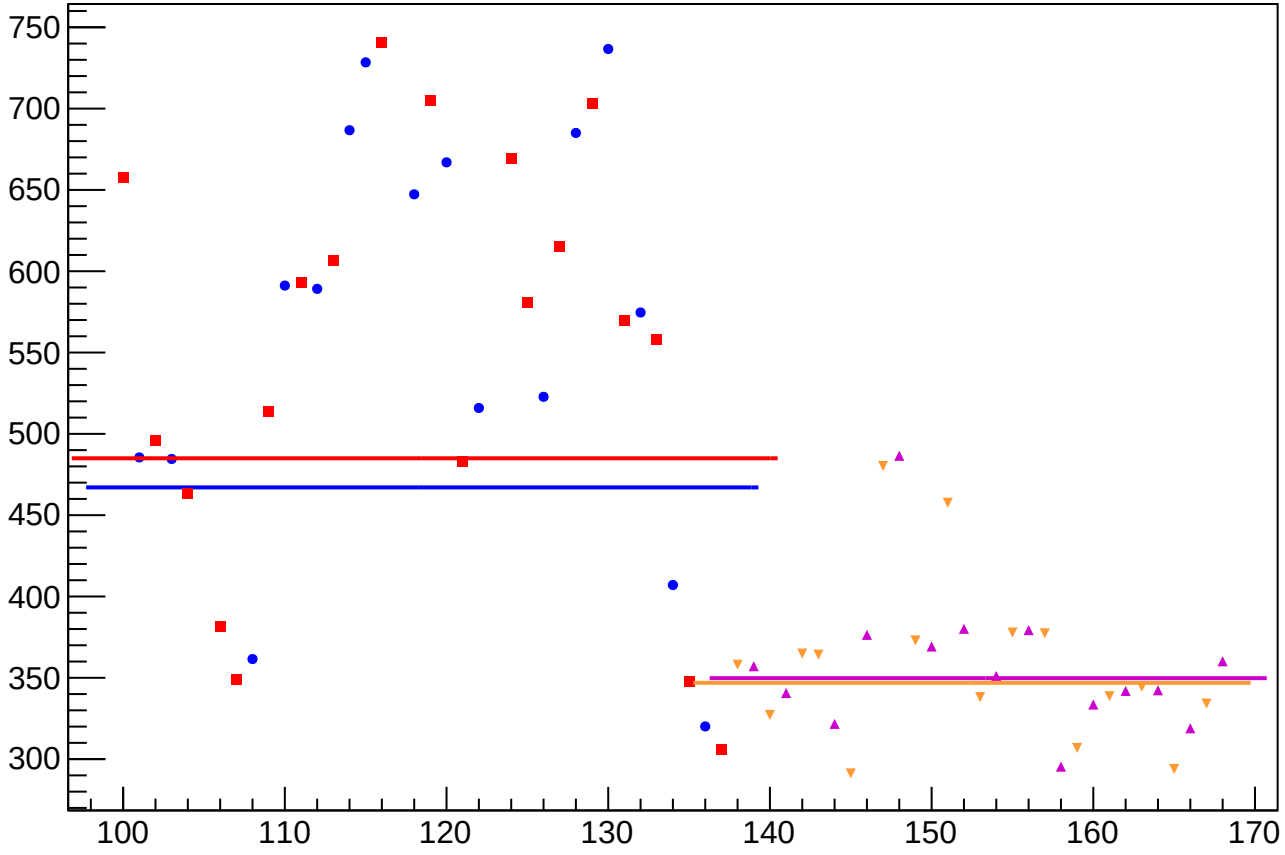
Left In: 70.909+/-100.151 χ^2/NDF:23.9/14

+ sign -186.260+/-86.572 χ^2/NDF: 40.8/31

All: -67.561+/-61.667 χ^2/NDF: 83.7/65

- sign 54.709+/-87.864 χ^2/NDF: 39.1/33

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 346.906+/-0.070 χ^2/NDF:398308.3/15

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

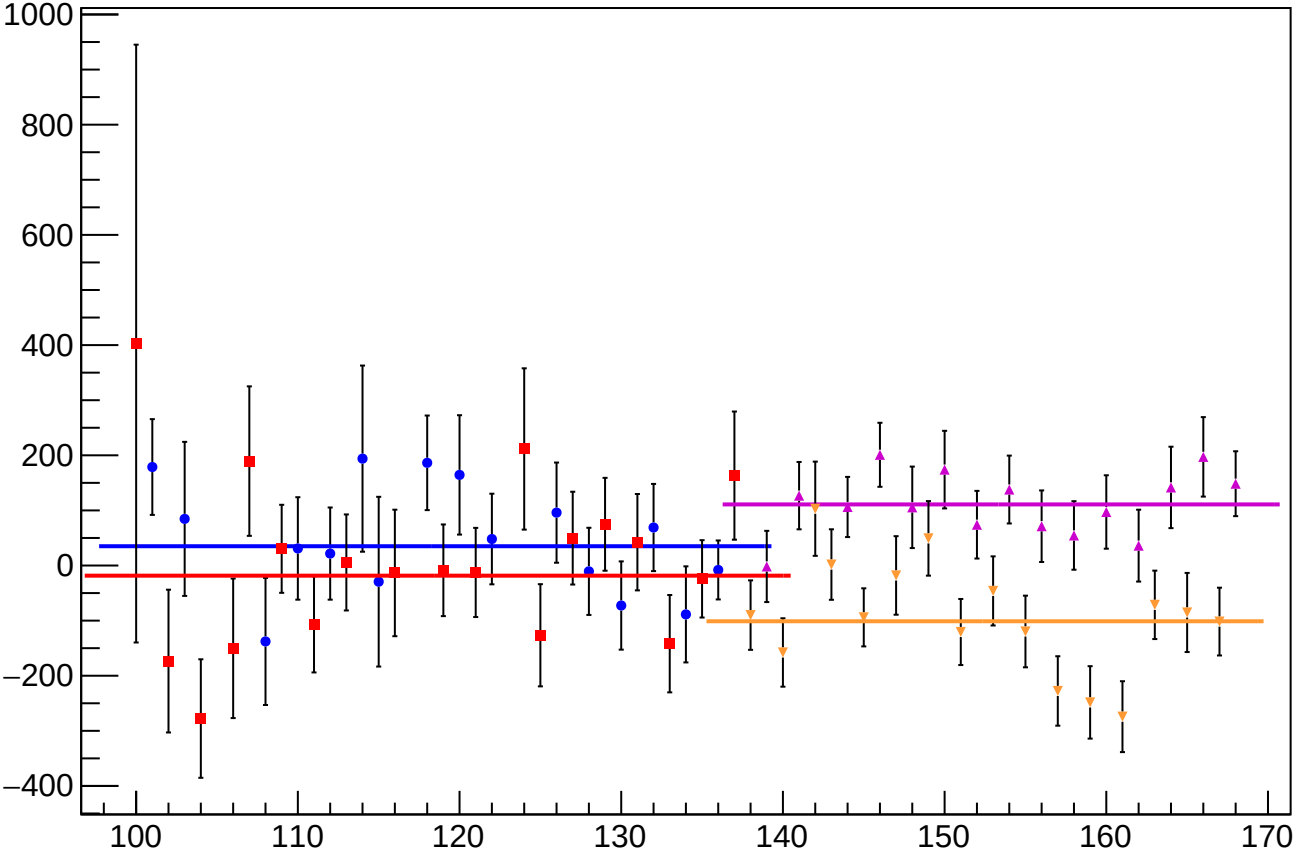
Left In: 349.792+/-0.071 χ^2/NDF:258018.8/14

+ sign 374.517+/-0.061 χ^2/NDF: 2110513.1/31

All: 377.675+/-0.044 χ^2/NDF: 4087354.9/65

- sign 380.928+/-0.062 χ^2/NDF: 1971440.0/33

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.155+/-16.054 χ^2/NDF:33.0/15

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

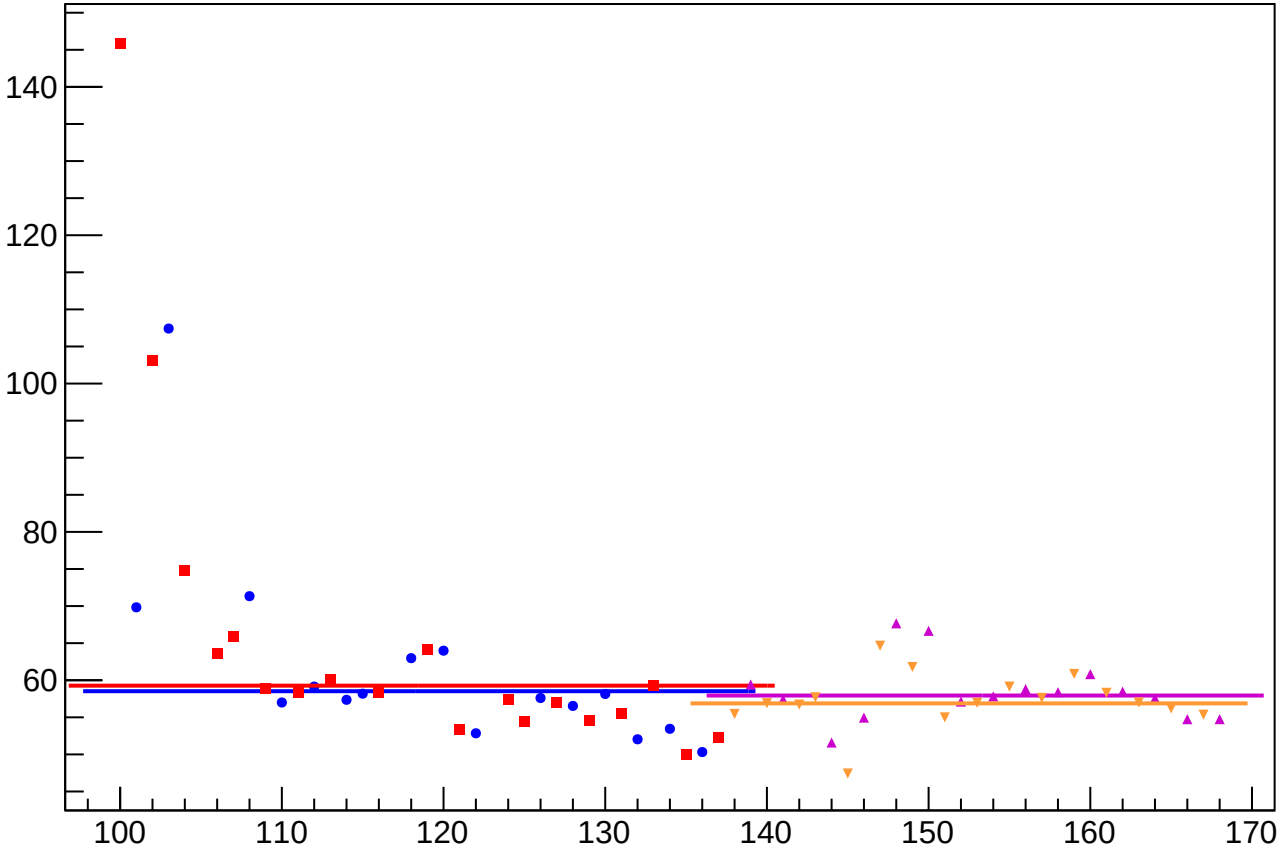
Left In: 110.886+/-16.501 χ^2/NDF:11.4/14

+ sign -54.213+/-12.996 χ^2/NDF: 74.0/31

All: 4.186+/-9.271 χ^2/NDF: 171.9/65

- sign 64.715+/-13.231 χ^2/NDF: 56.7/33

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.880+/-0.011 χ^2/NDF:114433.2/15

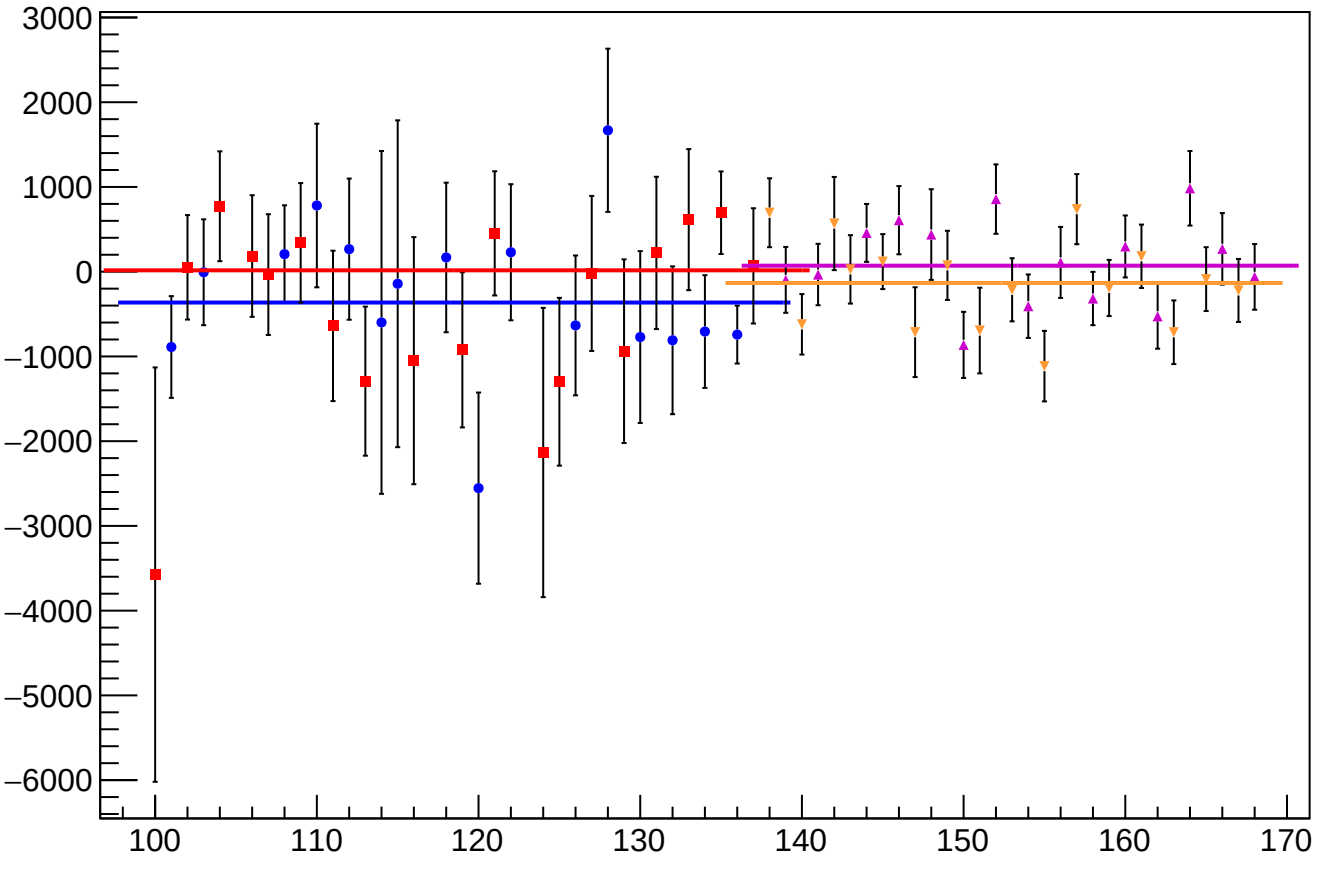
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.938+/-0.012 χ^2/NDF:113283.4/14

+ sign 57.446+/-0.009 χ^2/NDF: 514387.8/31

All: 57.921+/-0.007 χ^2/NDF: 1043381.4/65

- sign 58.413+/-0.009 χ^2/NDF: 523551.4/33



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -133.211+/-98.644 χ^2/NDF:24.4/15

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

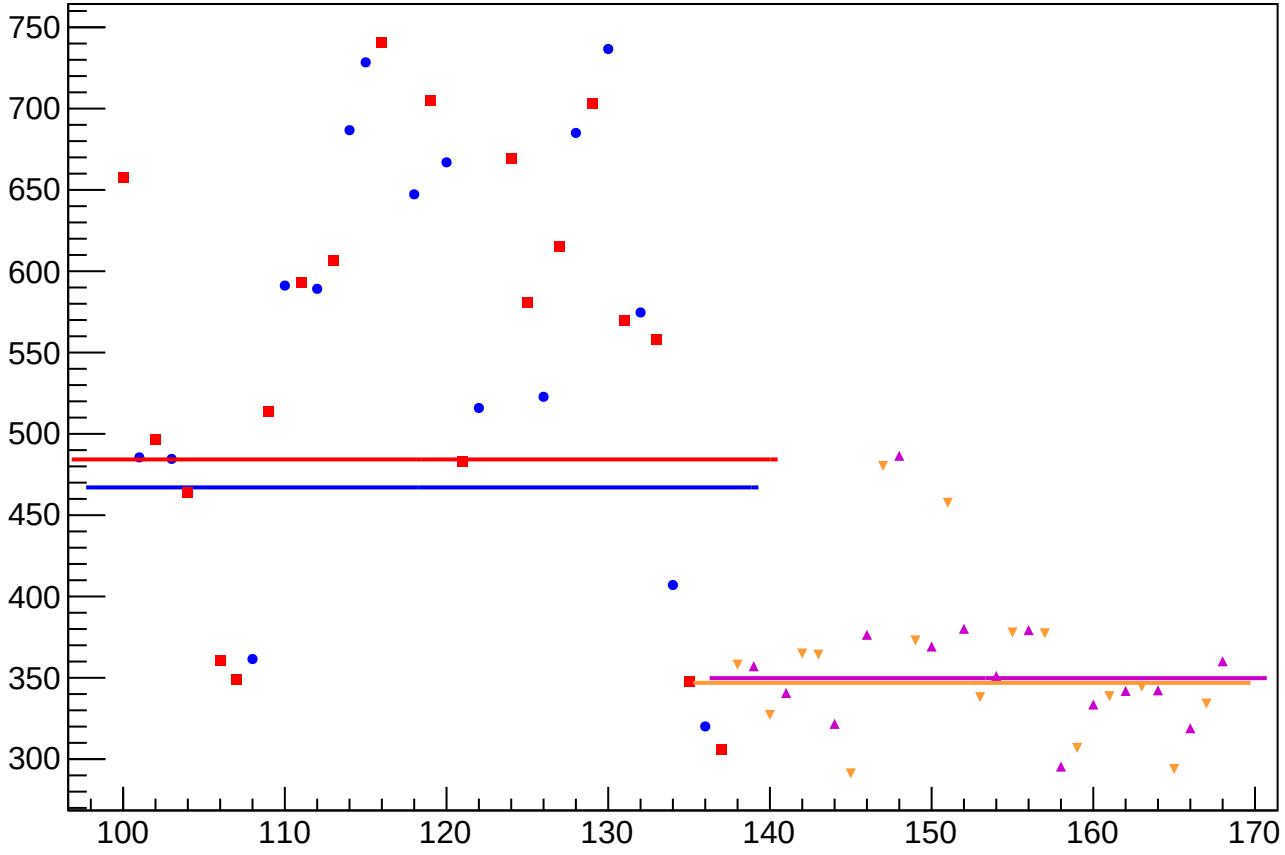
Left In: 70.909+/-100.151 χ^2/NDF:23.9/14

+ sign -186.251+/-86.572 χ^2/NDF: 40.8/31

All: -65.853+/-61.689 χ^2/NDF: 83.8/65

- sign 58.343+/-87.927 χ^2/NDF: 39.1/33

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 346.907+/-0.070 χ^2/NDF:398307.9/15

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

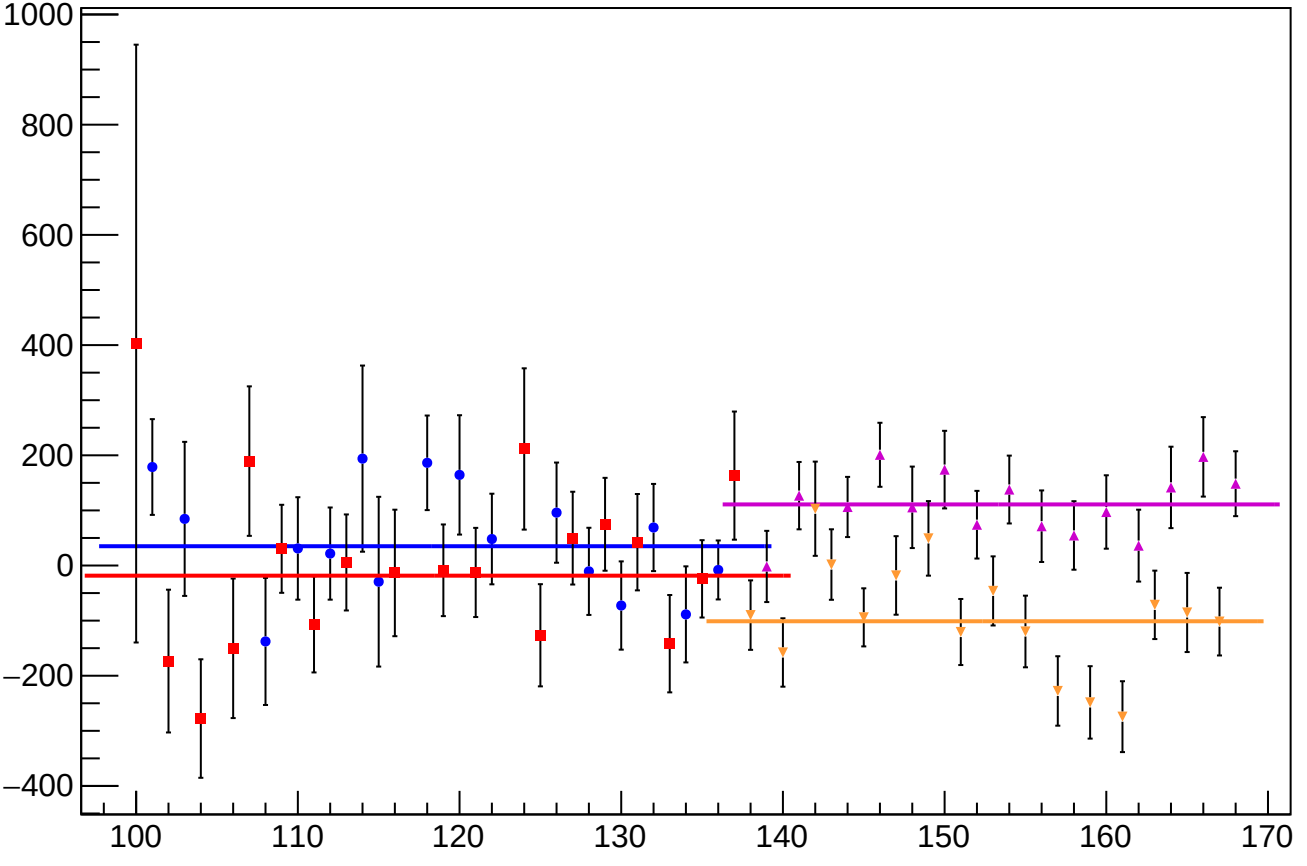
Left In: 349.792+/-0.071 χ^2/NDF:258019.1/14

\+ sign 374.518+/-0.061 χ^2/NDF: 2110537.1/31

All: 377.520+/-0.044 χ^2/NDF: 4088856.4/65

\- sign 380.618+/-0.062 χ^2/NDF: 1973430.9/33

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.155+/-16.054 χ^2/NDF:33.0/15

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

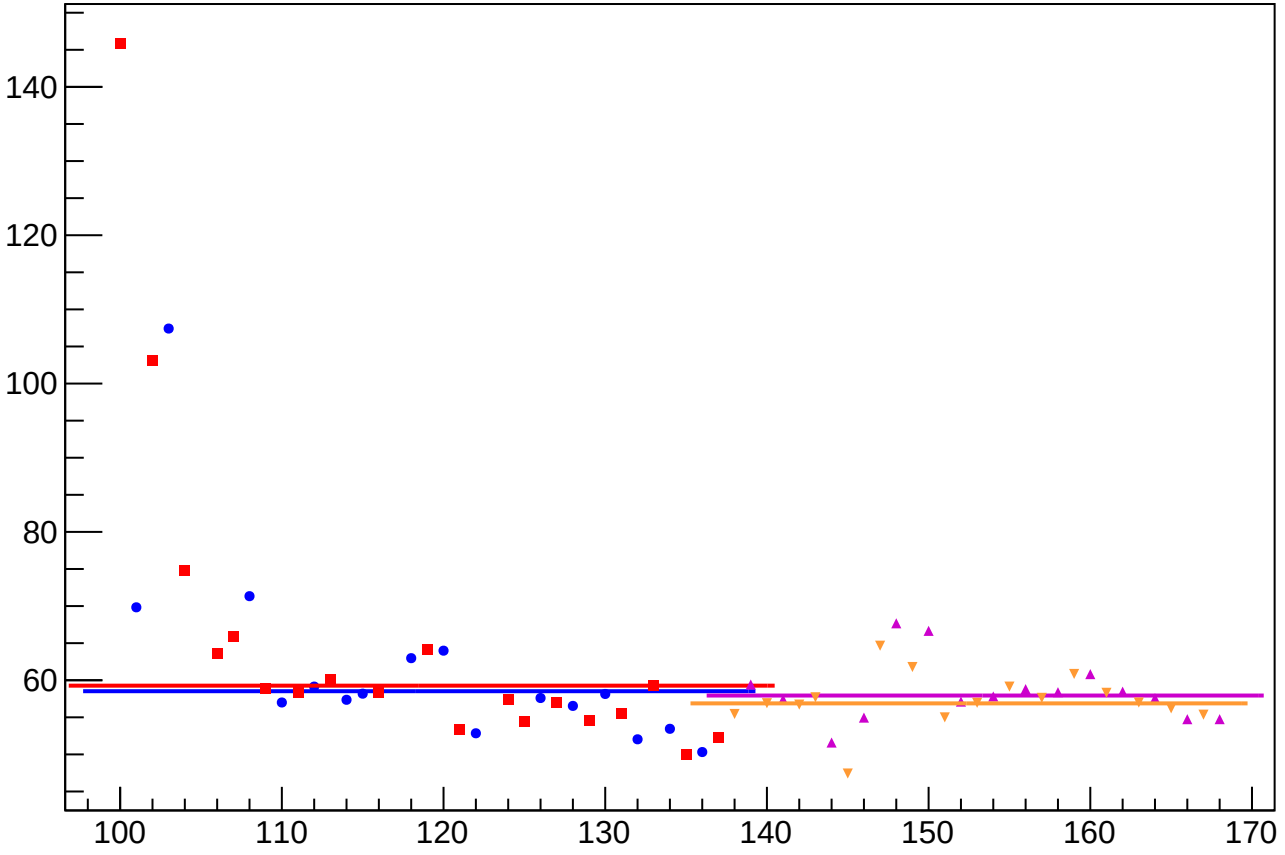
Left In: 110.886+/-16.501 χ^2/NDF:11.4/14

+ sign -54.213+/-12.996 χ^2/NDF: 74.0/31

All: 4.186+/-9.271 χ^2/NDF: 171.9/65

- sign 64.715+/-13.231 χ^2/NDF: 56.7/33

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.880+/-0.011 χ^2/NDF:114433.2/15

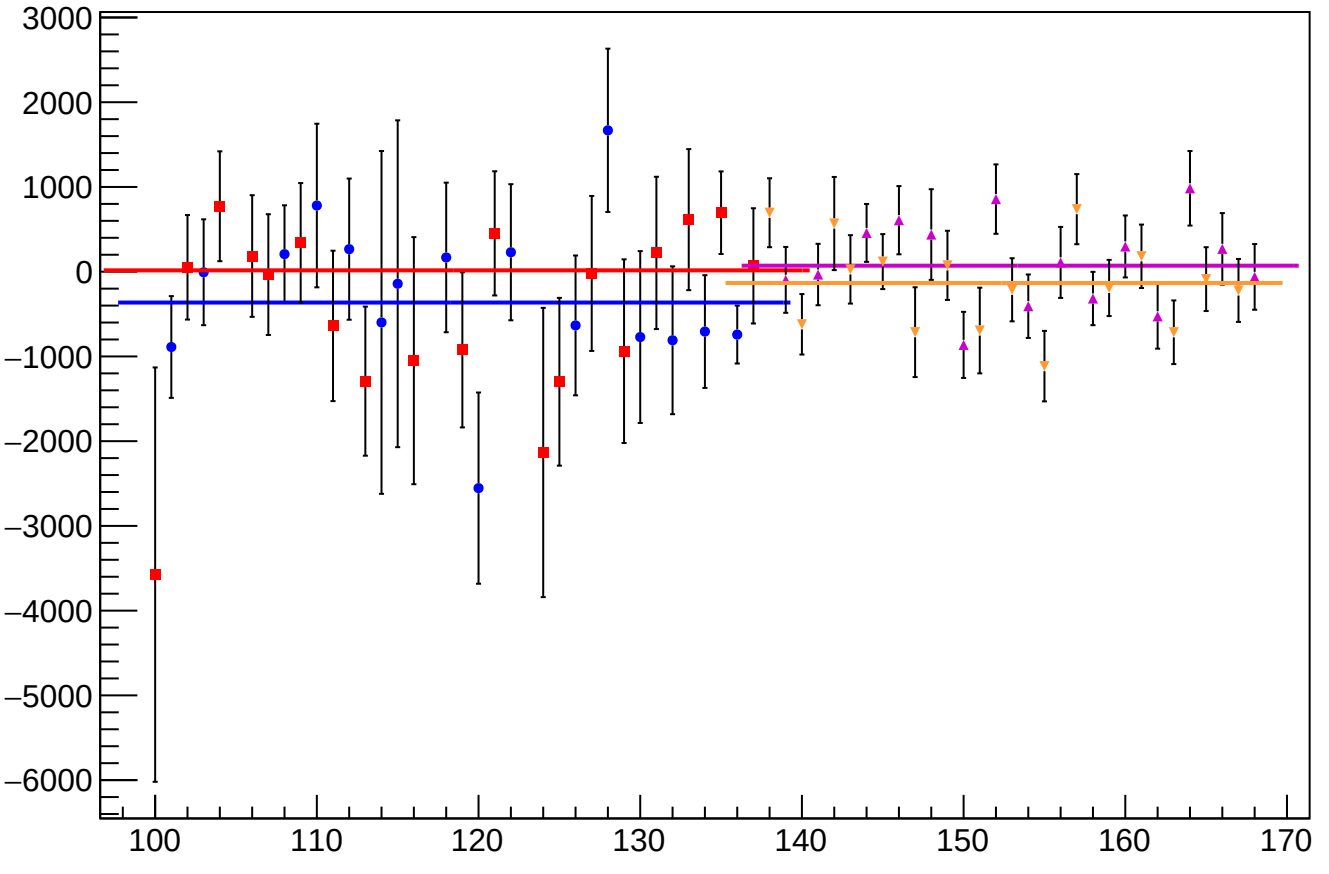
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.938+/-0.012 χ^2/NDF:113283.4/14

+ sign 57.446+/-0.009 χ^2/NDF: 514387.8/31

All: 57.921+/-0.007 χ^2/NDF: 1043381.4/65

- sign 58.413+/-0.009 χ^2/NDF: 523551.4/33



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -133.211+/-98.644 χ^2/NDF:24.4/15

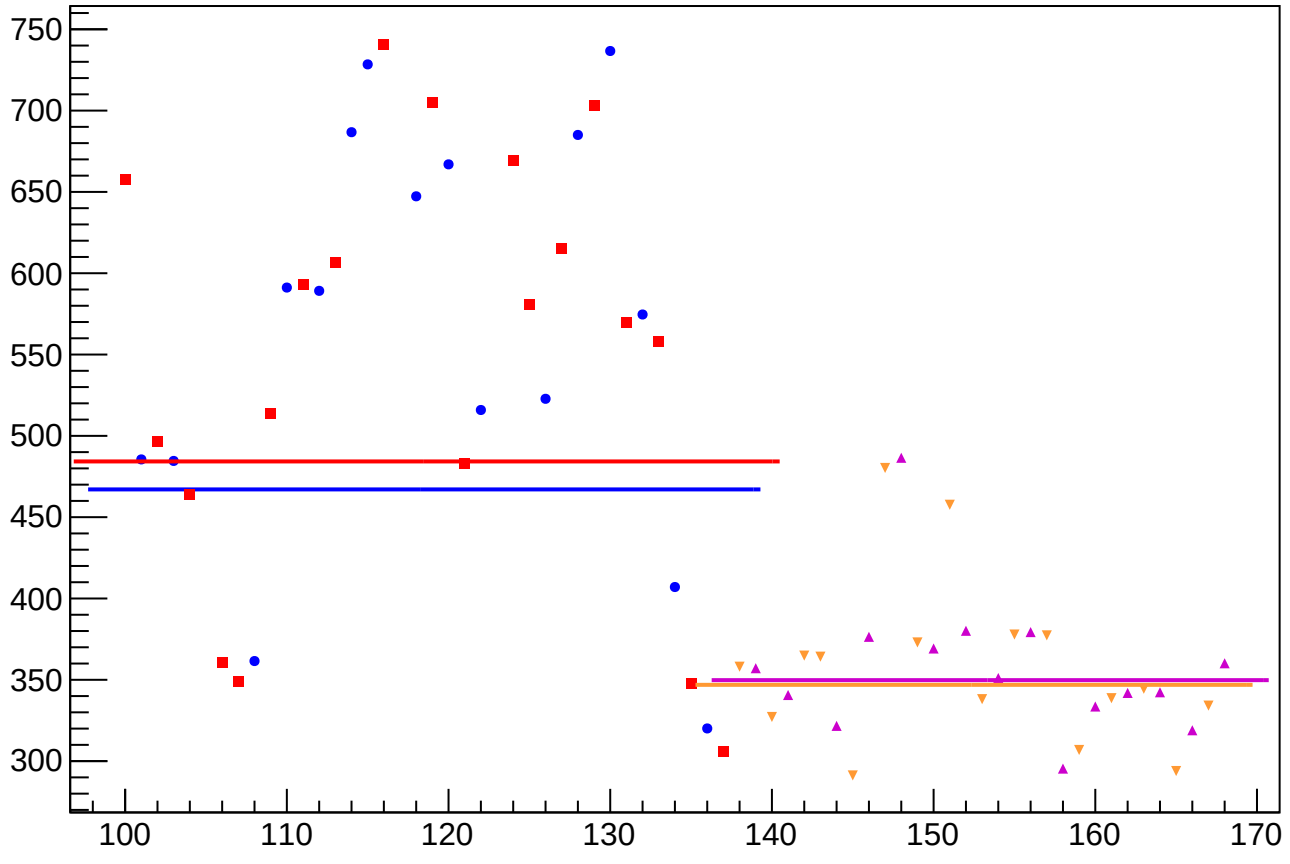
Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 70.909+/-100.151 χ^2/NDF:23.9/14

+ sign -186.251+/-86.572 χ^2/NDF: 40.8/31

All: -65.853+/-61.689 χ^2/NDF: 83.8/65

- sign 58.343+/-87.927 χ^2/NDF: 39.1/33



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 346.907+/-0.070 χ^2/NDF:398307.9/15

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

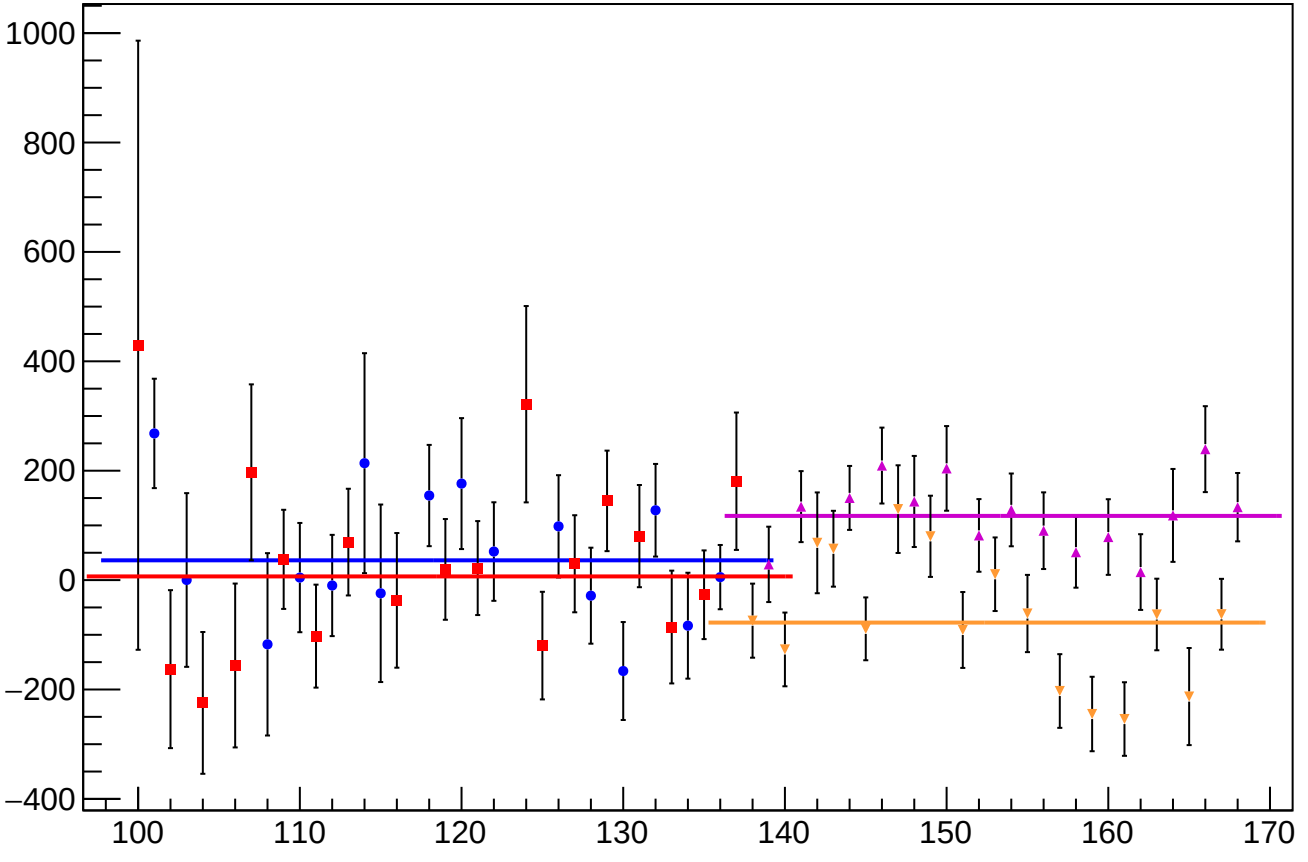
Left In: 349.792+/-0.071 χ^2/NDF:258019.1/14

+ sign 374.518+/-0.061 χ^2/NDF: 2110537.1/31

All: 377.520+/-0.044 χ^2/NDF: 4088856.4/65

- sign 380.618+/-0.062 χ^2/NDF: 1973430.9/33

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -77.666+/-17.435 χ^2/NDF:38.7/15

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

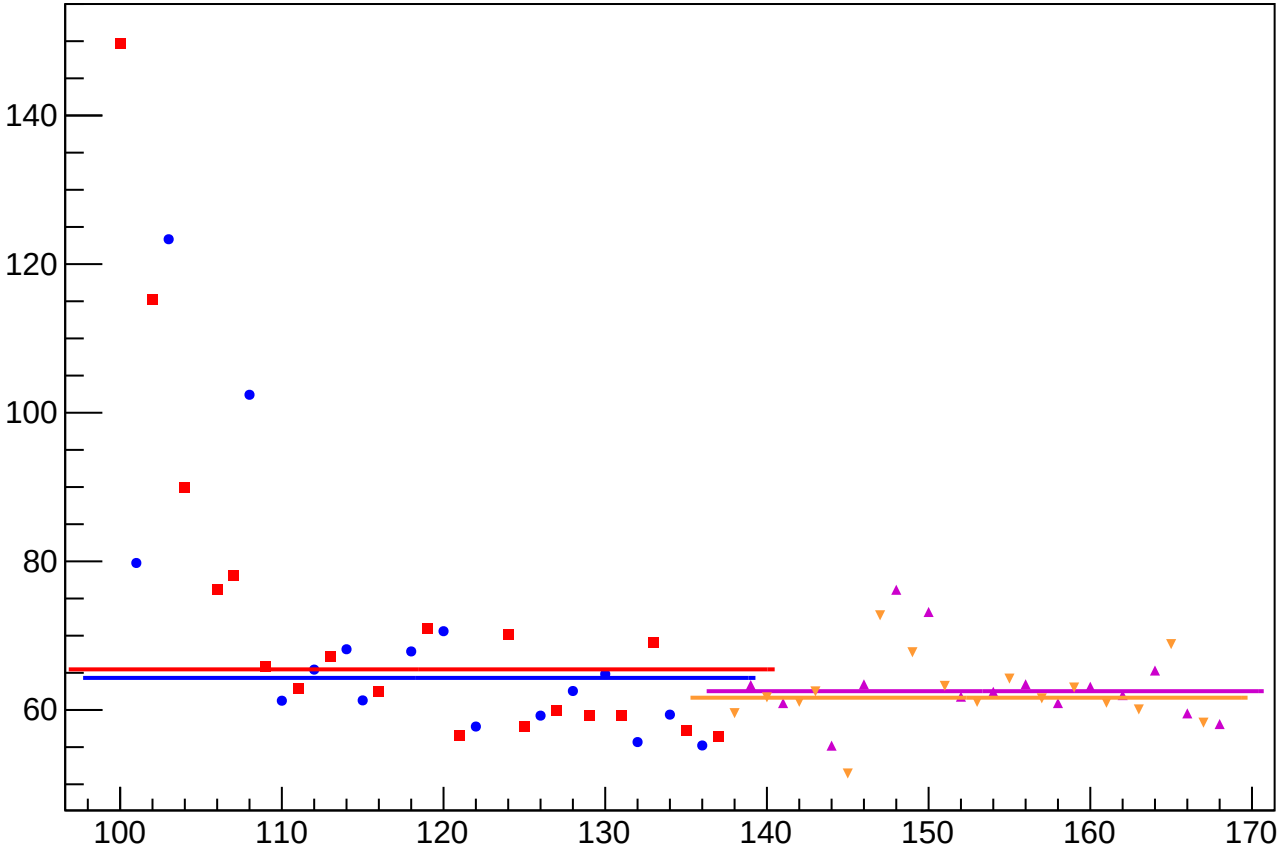
Left In: 117.378+/-17.880 χ^2/NDF:11.7/14

+ sign -39.343+/-14.199 χ^2/NDF: 72.7/31

All: 18.798+/-10.130 χ^2/NDF: 152.1/65

- sign 79.060+/-14.456 χ^2/NDF: 45.3/33

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.652+/-0.012 χ^2/NDF:141754.7/15

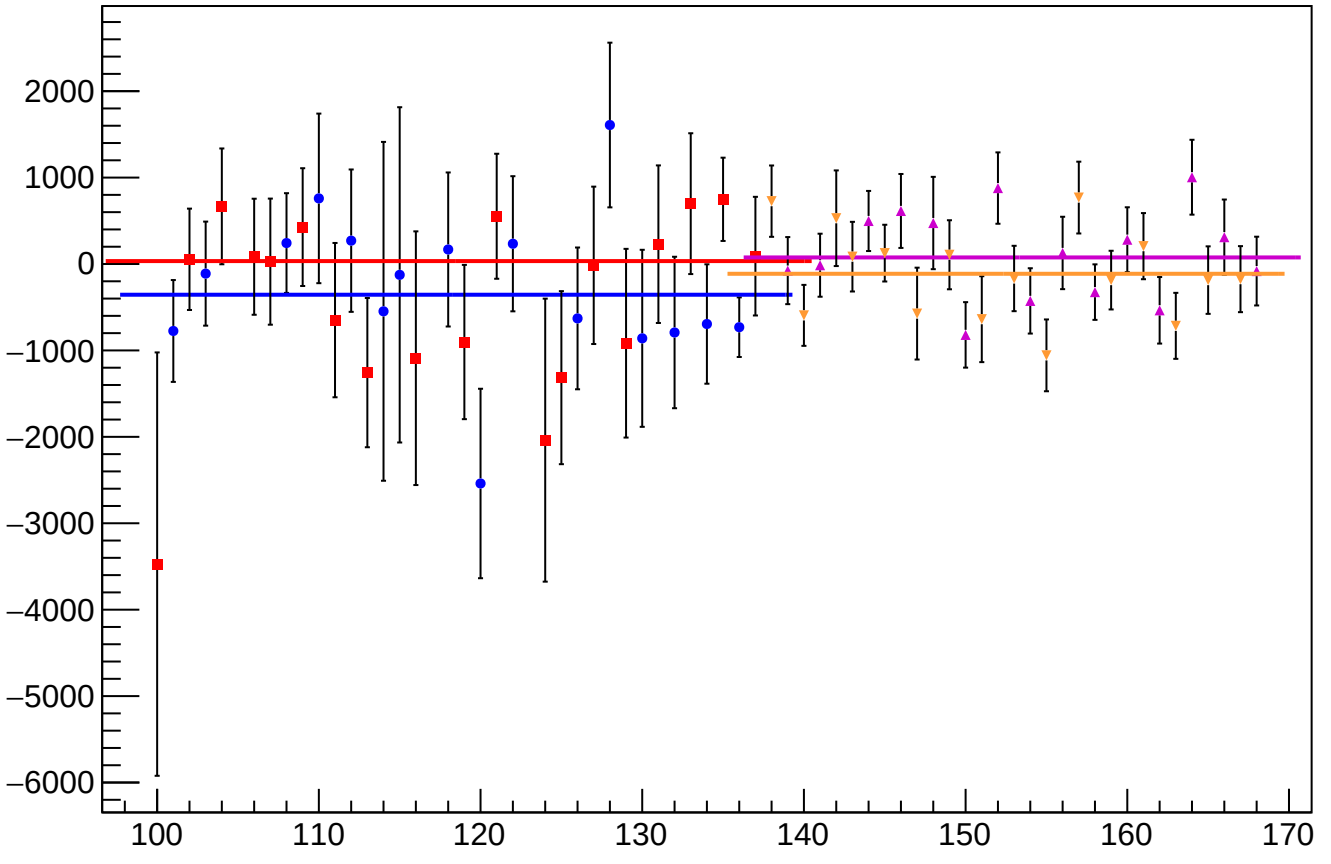
Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.530+/-0.013 χ^2/NDF:142098.3/14

+ sign 62.549+/-0.010 χ^2/NDF: 689540.9/31

All: 63.039+/-0.007 χ^2/NDF: 1337524.6/65

- sign 63.547+/-0.010 χ^2/NDF: 643137.7/33



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -113.149+/-99.597 χ^2/NDF:23.3/15

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

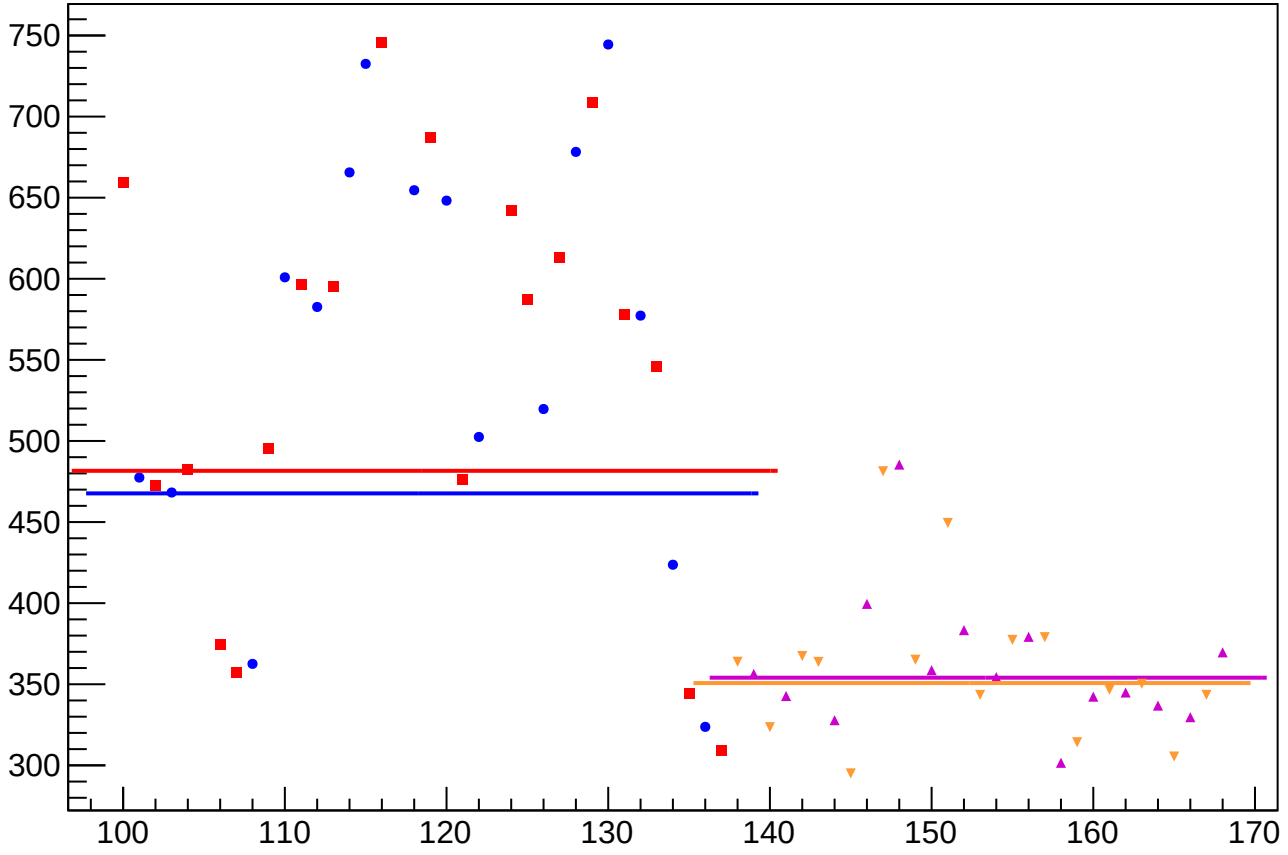
Left In: 76.032+/-101.326 χ^2/NDF:24.4/14

+ sign -169.801+/-87.184 χ^2/NDF: 39.5/31

All: -53.640+/-62.101 χ^2/NDF: 82.9/65

- sign 65.999+/-88.479 χ^2/NDF: 39.9/33

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 350.737+/-0.070 χ^2/NDF:346855.0/15

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

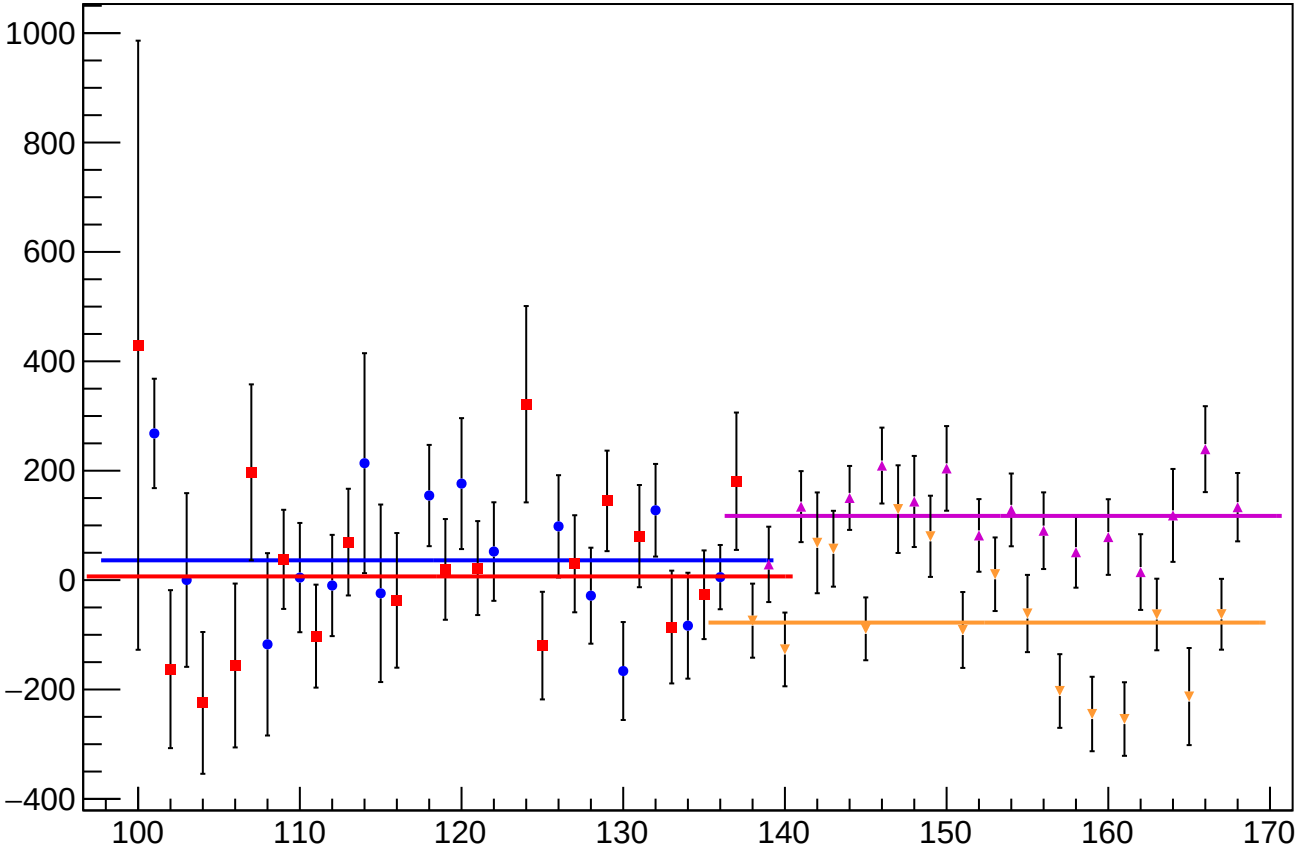
Left In: 354.043+/-0.072 χ^2/NDF:243519.3/14

+ sign 378.069+/-0.062 χ^2/NDF: 1977210.2/31

All: 381.156+/-0.044 χ^2/NDF: 3832833.8/65

- sign 384.336+/-0.063 χ^2/NDF: 1850532.2/33

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -77.666+/-17.435 χ^2/NDF:38.7/15

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

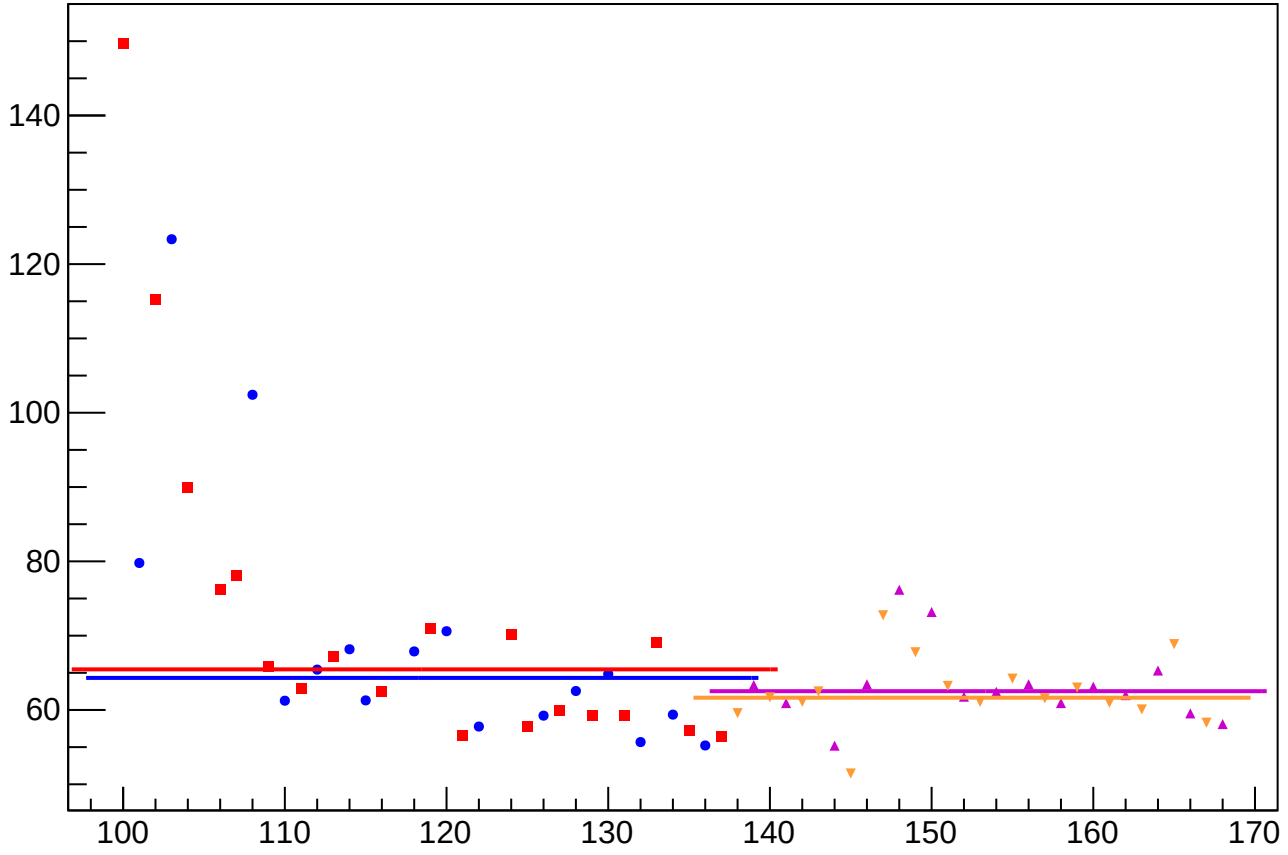
Left In: 117.378+/-17.880 χ^2/NDF:11.7/14

+ sign -39.343+/-14.199 χ^2/NDF: 72.7/31

All: 18.798+/-10.130 χ^2/NDF: 152.1/65

- sign 79.060+/-14.456 χ^2/NDF: 45.3/33

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.652+/-0.012 χ^2/NDF:141759.1/15

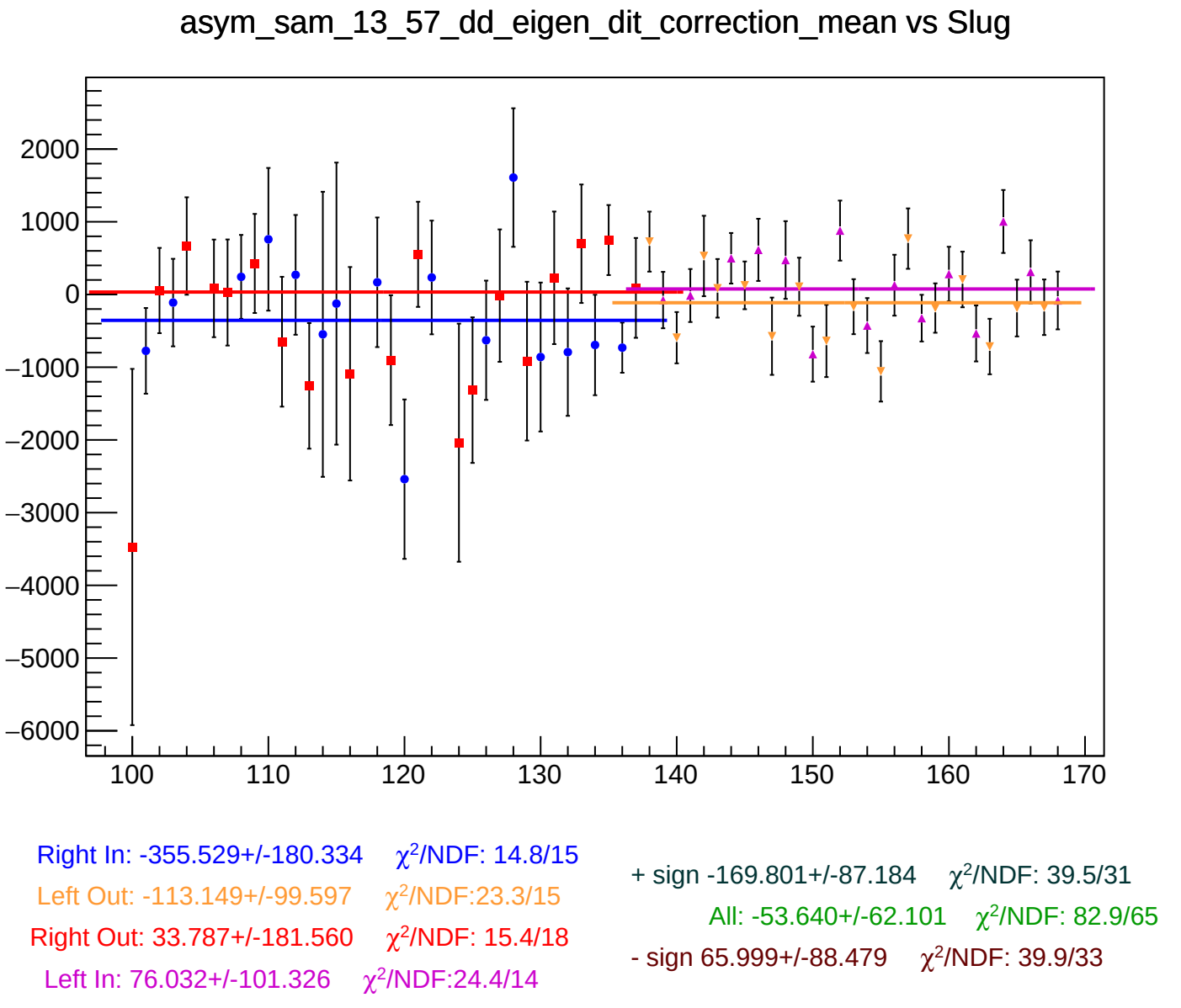
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

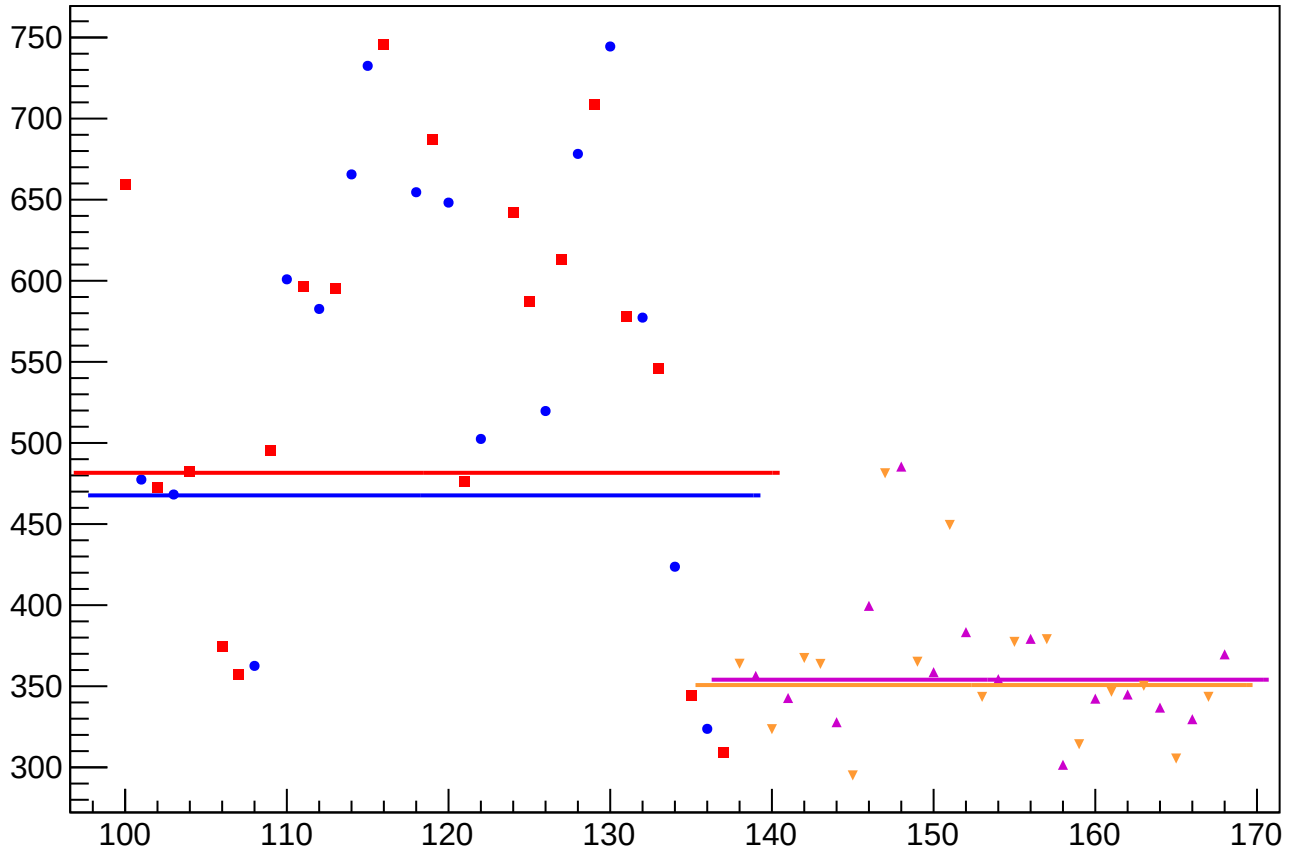
Left In: 62.530+/-0.013 χ^2/NDF:142102.2/14

+ sign 62.549+/-0.010 χ^2/NDF: 689551.9/31

All: 63.039+/-0.007 χ^2/NDF: 1337543.9/65

- sign 63.547+/-0.010 χ^2/NDF: 643146.1/33


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: -113.149+/-99.597 χ²/NDF:23.3/15
Right Out: 33.787+/-181.560 χ²/NDF: 15.4/18
Left In: 76.032+/-101.326 χ²/NDF:24.4/14
+ sign -169.801+/-87.184 χ²/NDF: 39.5/31
All: -53.640+/-62.101 χ²/NDF: 82.9/65
- sign 65.999+/-88.479 χ²/NDF: 39.9/33



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 350.737+/-0.070 χ^2/NDF:346854.7/15

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

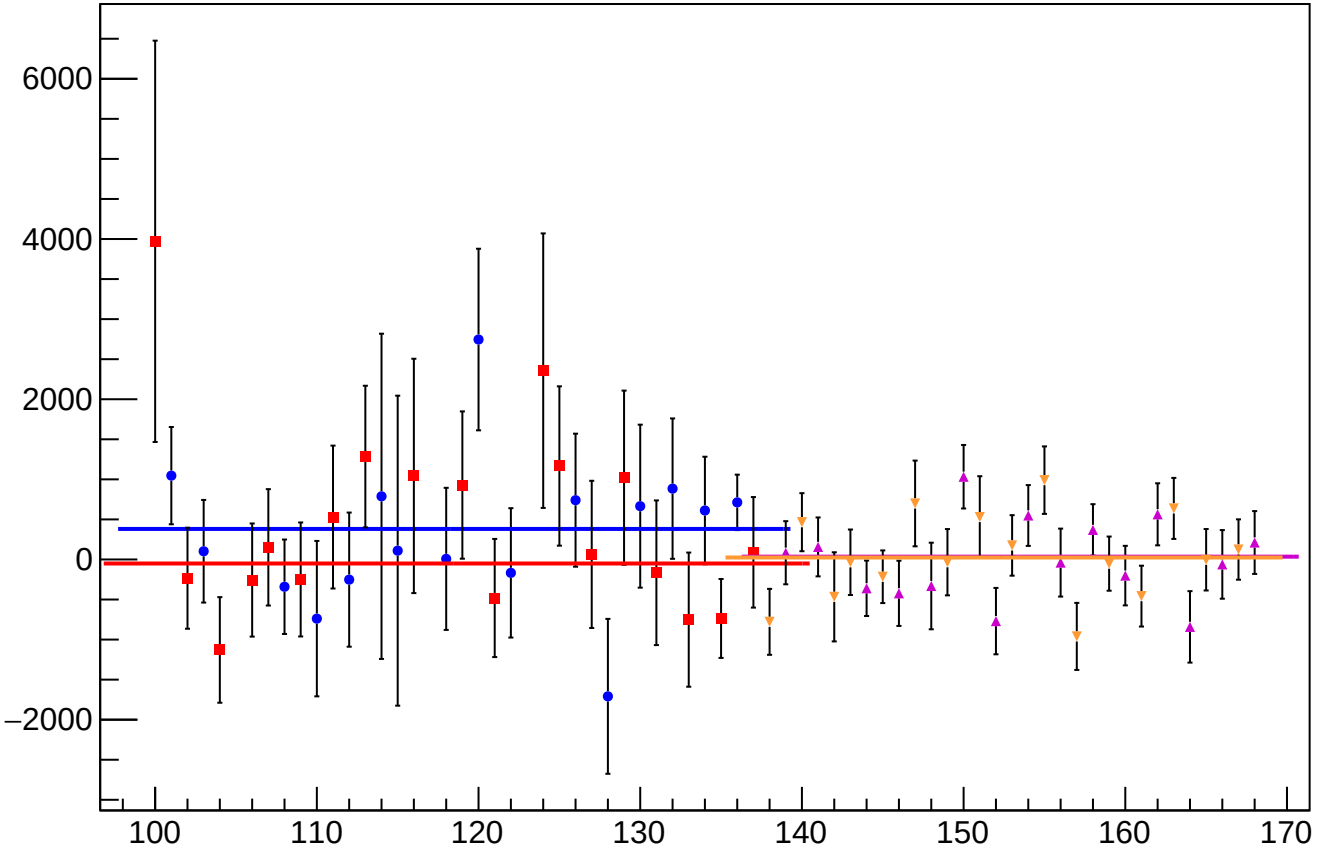
Left In: 354.043+/-0.072 χ^2/NDF:243520.8/14

+ sign 378.068+/-0.062 χ^2/NDF: 1977205.6/31

All: 381.156+/-0.044 χ^2/NDF: 3832822.4/65

- sign 384.336+/-0.063 χ^2/NDF: 1850525.5/33

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 24.607+/-100.022 χ^2/NDF:24.5/15

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

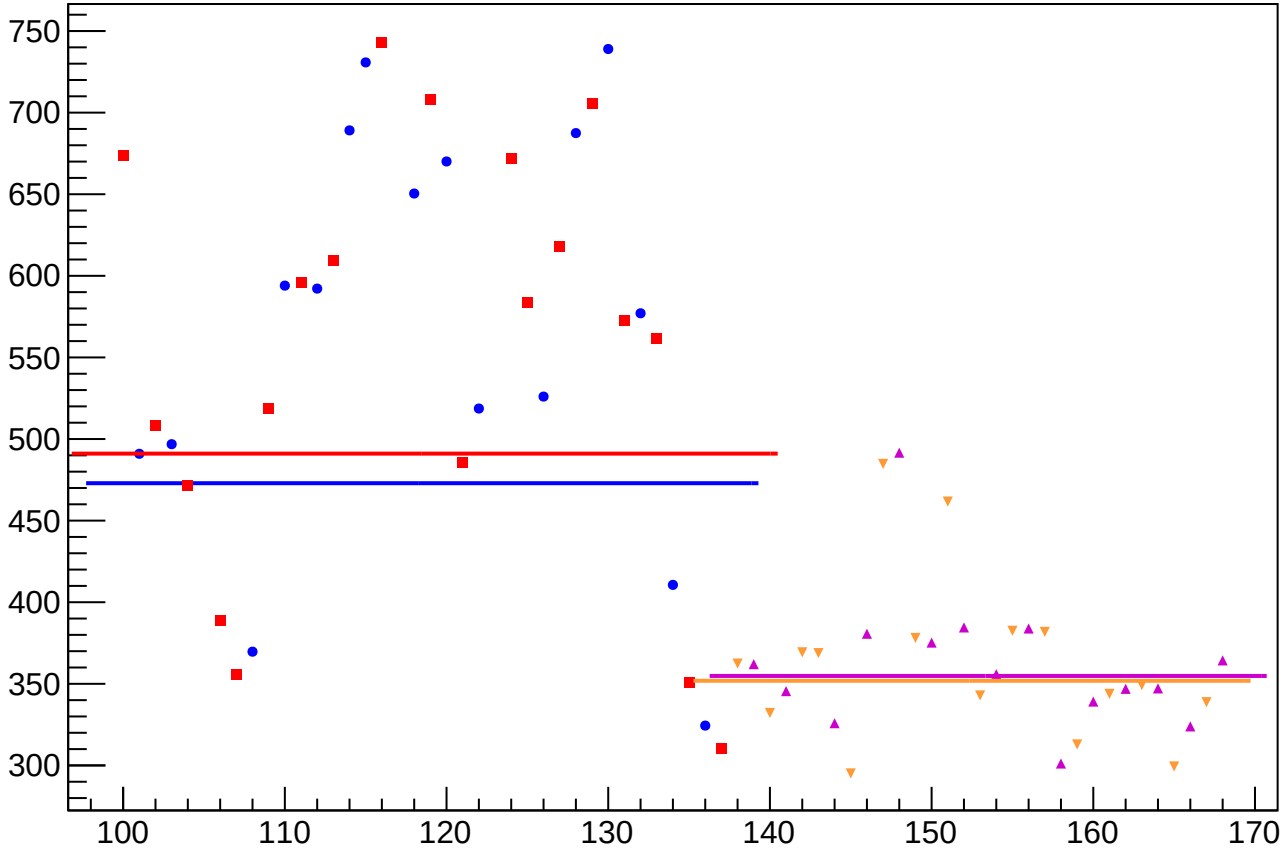
Left In: 34.983+/-101.566 χ^2/NDF:22.6/14

+ sign 106.843+/-87.730 χ^2/NDF: 43.6/31

All: 61.737+/-62.499 χ^2/NDF: 84.3/65

- sign 15.253+/-89.060 χ^2/NDF: 40.2/33

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 351.877+/-0.071 χ^2/NDF:386044.2/15

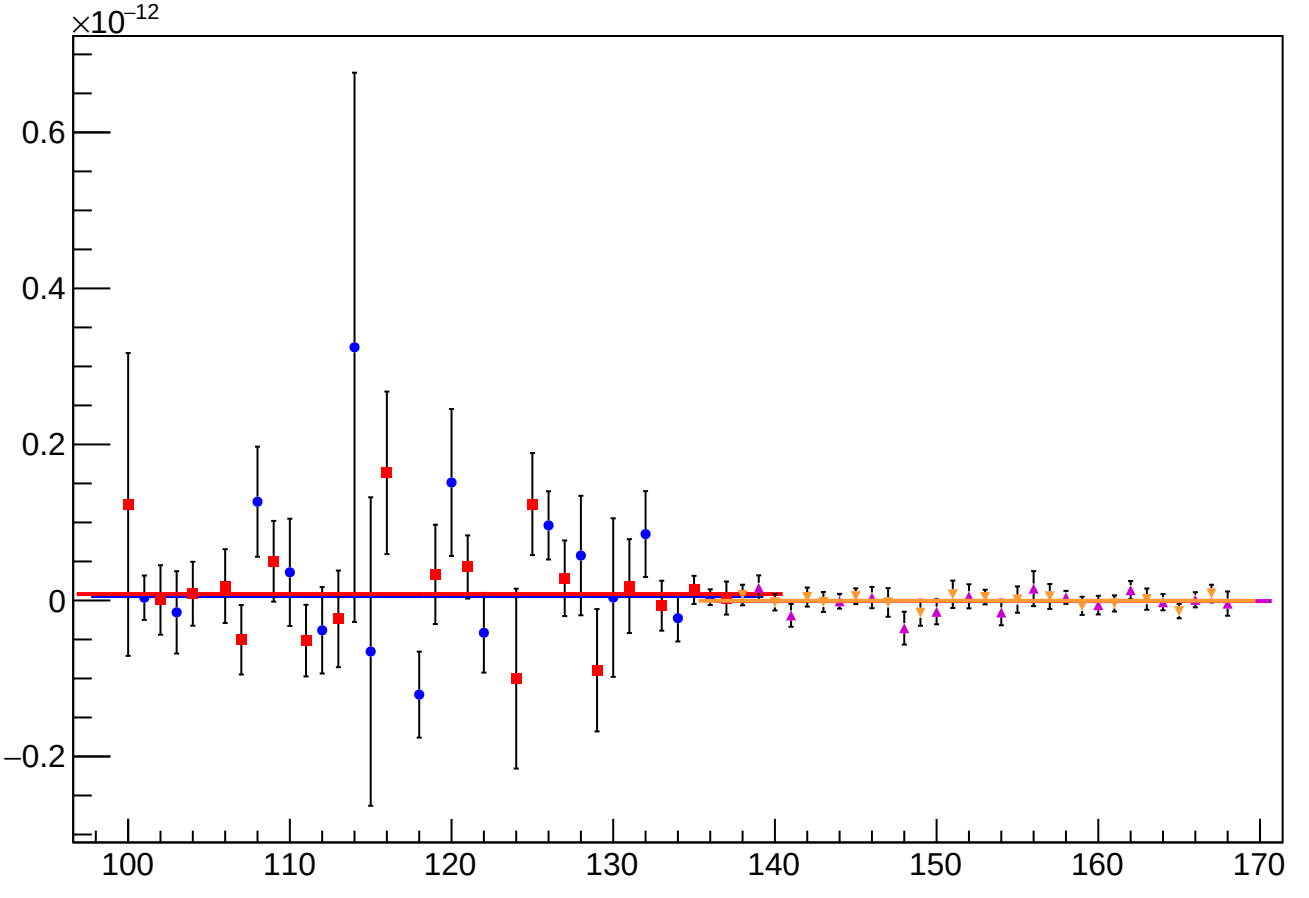
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 354.831+/-0.072 χ^2/NDF:249722.9/14

+ sign 379.801+/-0.062 χ^2/NDF: 2062058.8/31

All: 383.008+/-0.044 χ^2/NDF: 3996252.4/65

- sign 386.314+/-0.063 χ^2/NDF: 1928765.7/33



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

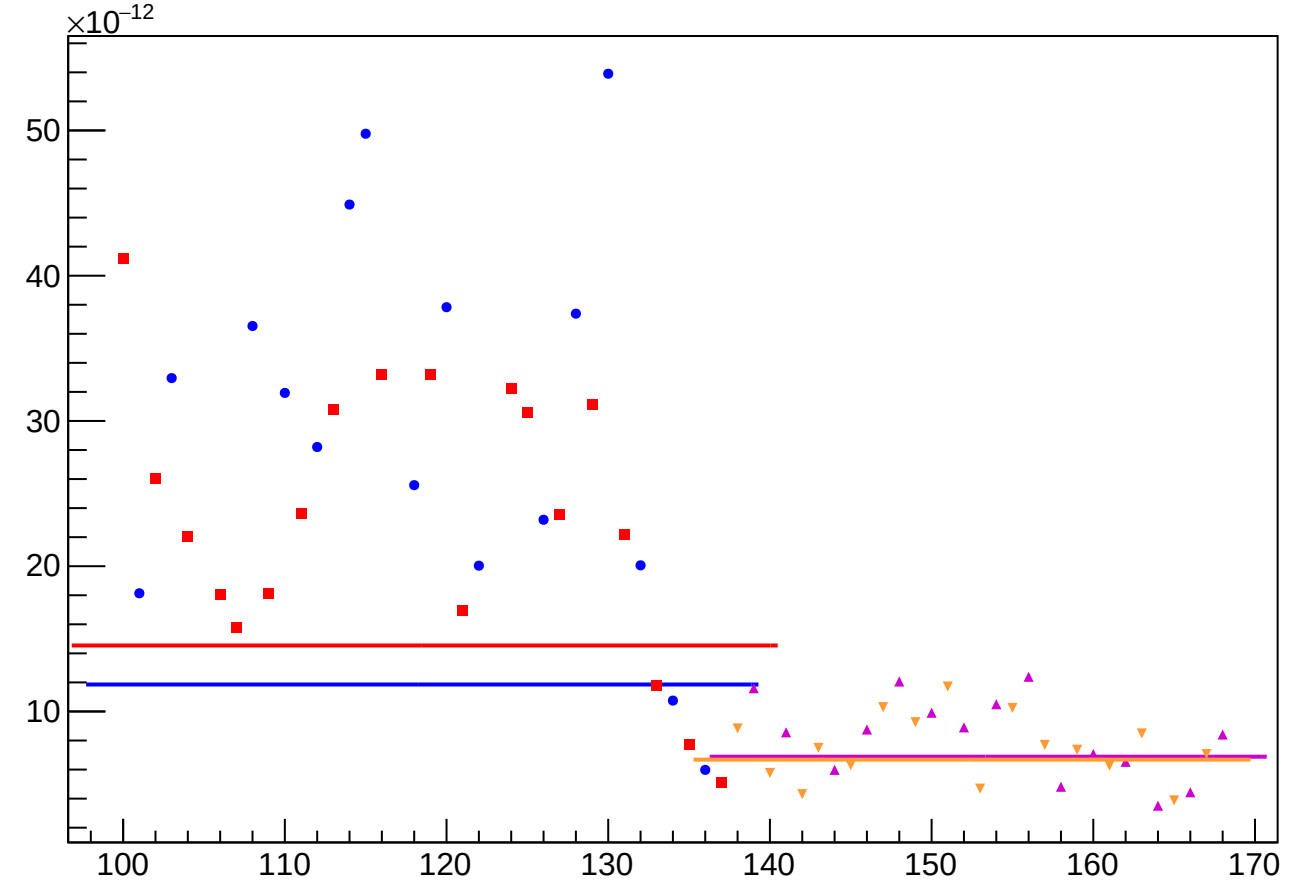
Left In: -0.000+/-0.000 χ^2/NDF:9.7/14

+ sign 0.000+/-0.000 χ^2/NDF: 27.1/31

All: 0.000+/-0.000 χ^2/NDF: 51.7/65

- sign 0.000+/-0.000 χ^2/NDF: 24.6/33

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:862390.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

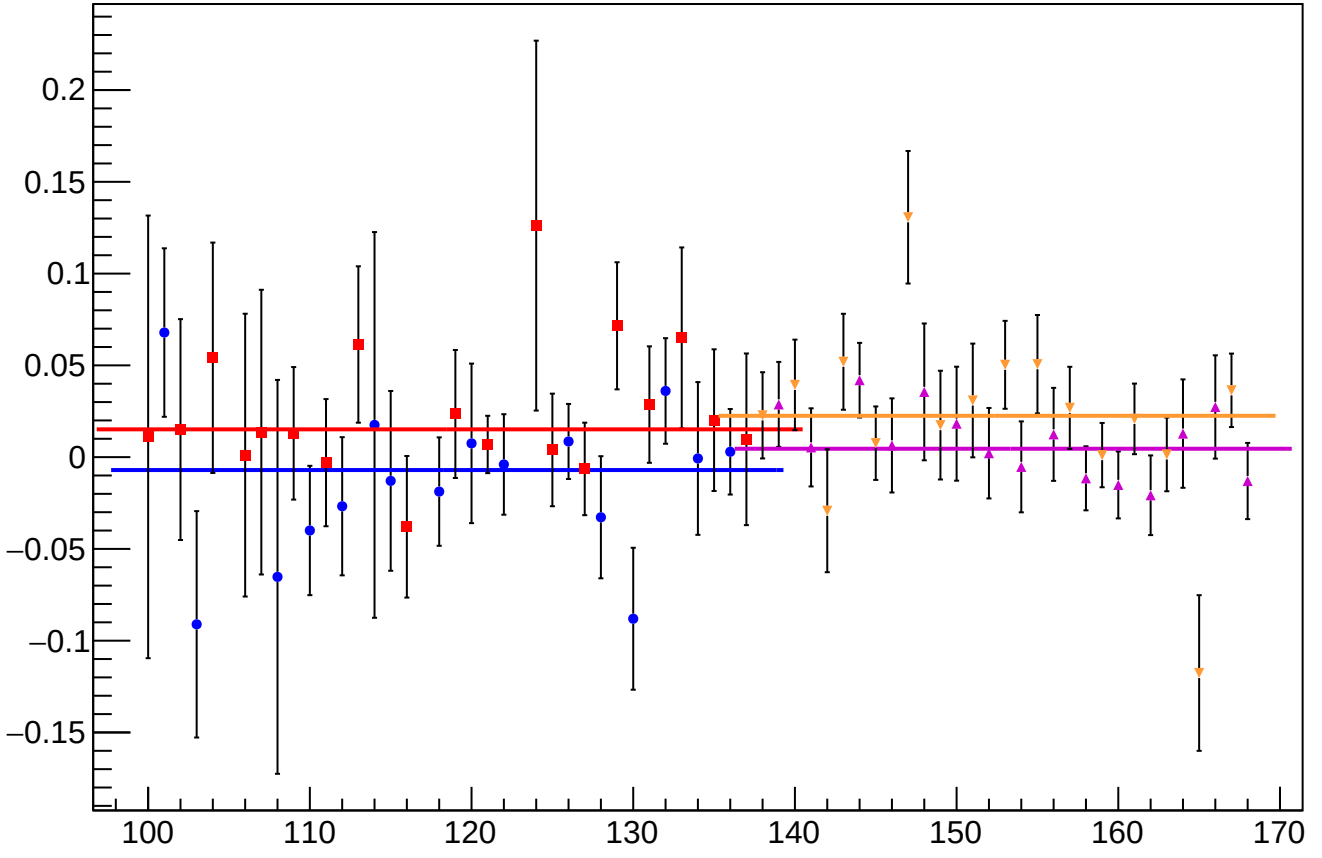
Left In: 0.000+/-0.000 χ^2/NDF:1182949.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 4424293.7/31

All: 0.000+/-0.000 χ^2/NDF: 8604856.9/65

- sign 0.000+/-0.000 χ^2/NDF: 4162223.9/33

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: 0.023+/-0.006 χ^2/NDF:30.2/15

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

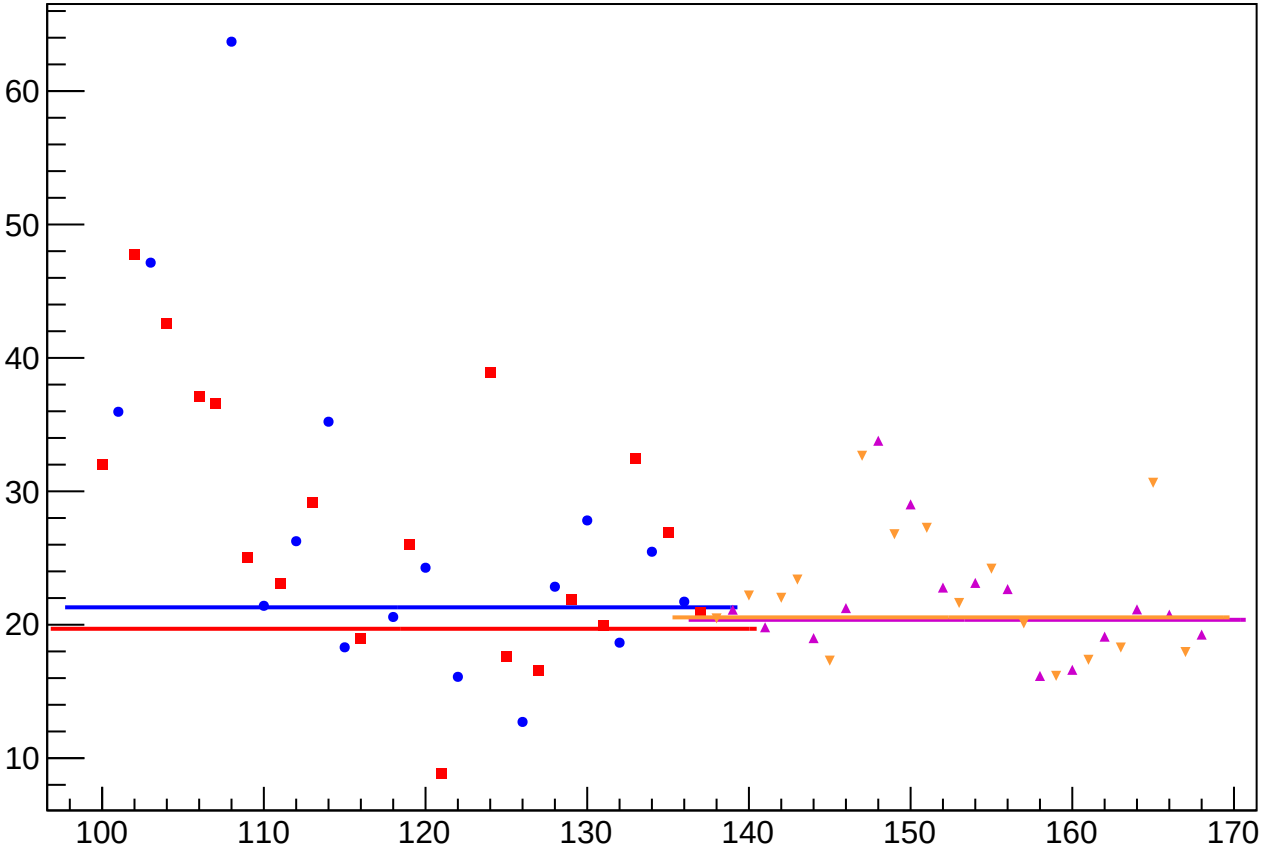
Left In: 0.005+/-0.006 χ^2/NDF:10.5/14

+ sign 0.013+/-0.005 χ^2/NDF: 52.5/31

All: 0.011+/-0.003 χ^2/NDF: 74.6/65

- sign 0.008+/-0.005 χ^2/NDF: 21.6/33

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: 20.551+/-0.004 χ^2/NDF:890225.3/15

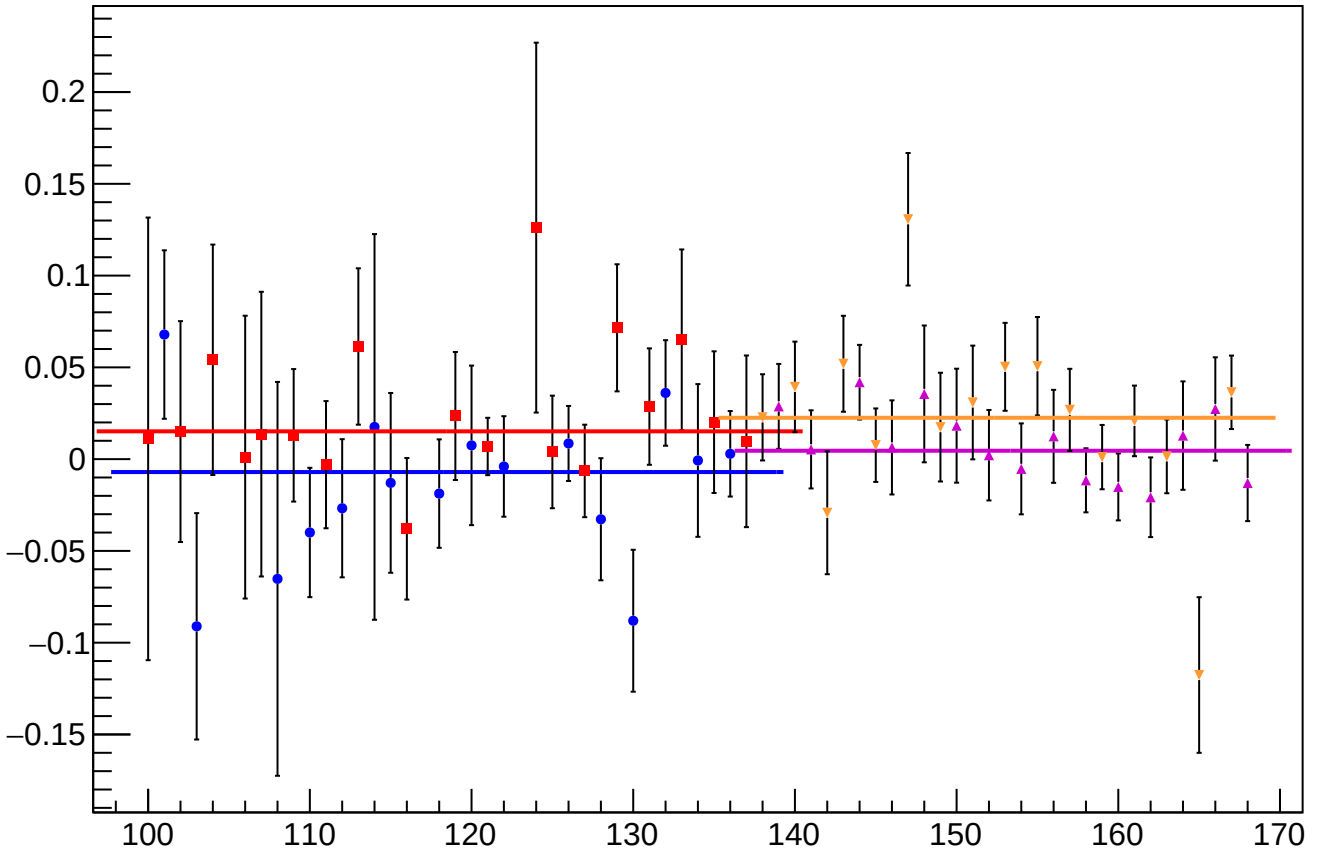
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.370+/-0.004 χ^2/NDF:705206.0/14

+ sign 20.797+/-0.003 χ^2/NDF: 2379940.0/31

All: 20.461+/-0.002 χ^2/NDF: 5551161.7/65

- sign 20.136+/-0.003 χ^2/NDF: 3152913.6/33



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.023+/-0.006 χ^2/NDF:30.2/15

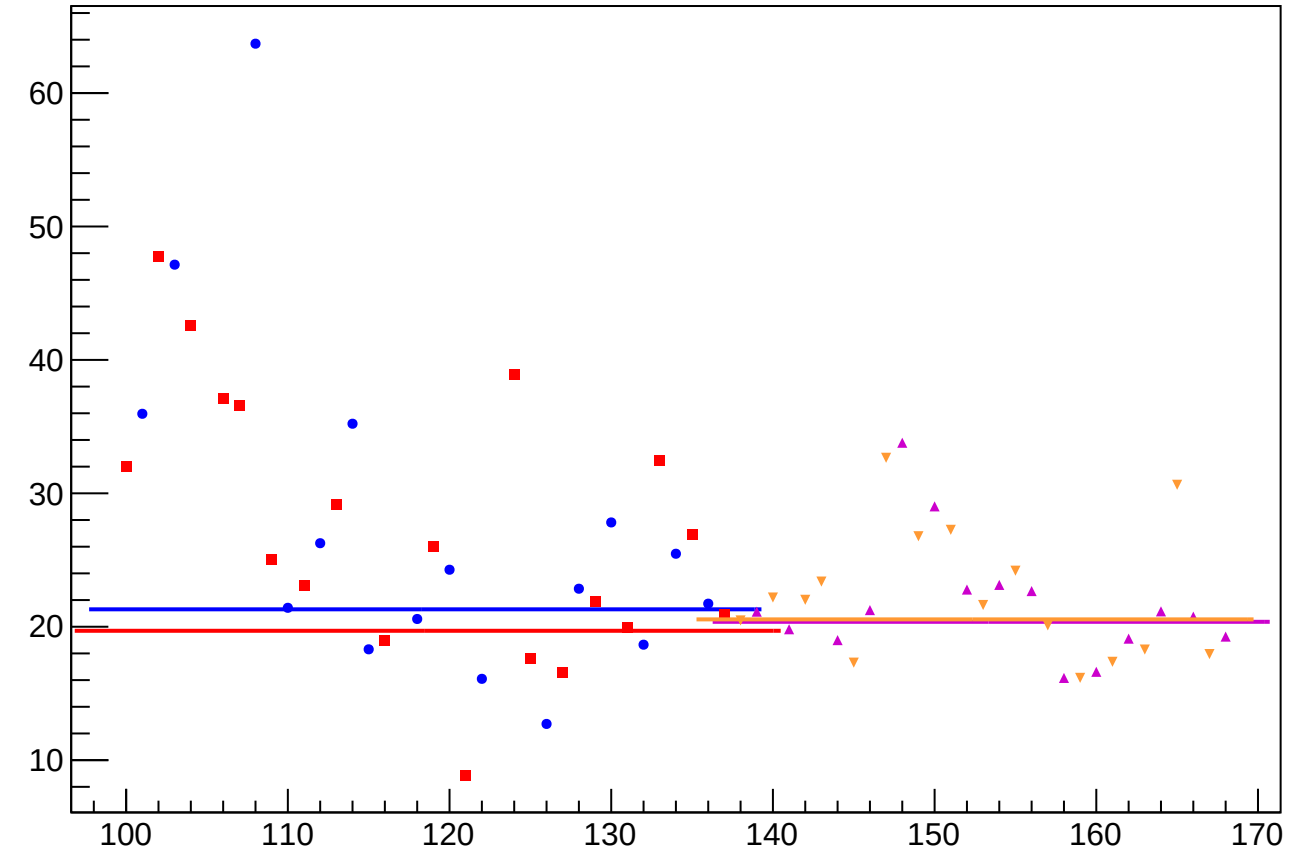
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.005+/-0.006 χ^2/NDF:10.5/14

+ sign 0.013+/-0.005 χ^2/NDF: 52.5/31

All: 0.011+/-0.003 χ^2/NDF: 74.6/65

- sign 0.008+/-0.005 χ^2/NDF: 21.6/33



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.551+/-0.004 χ^2/NDF:890225.3/15

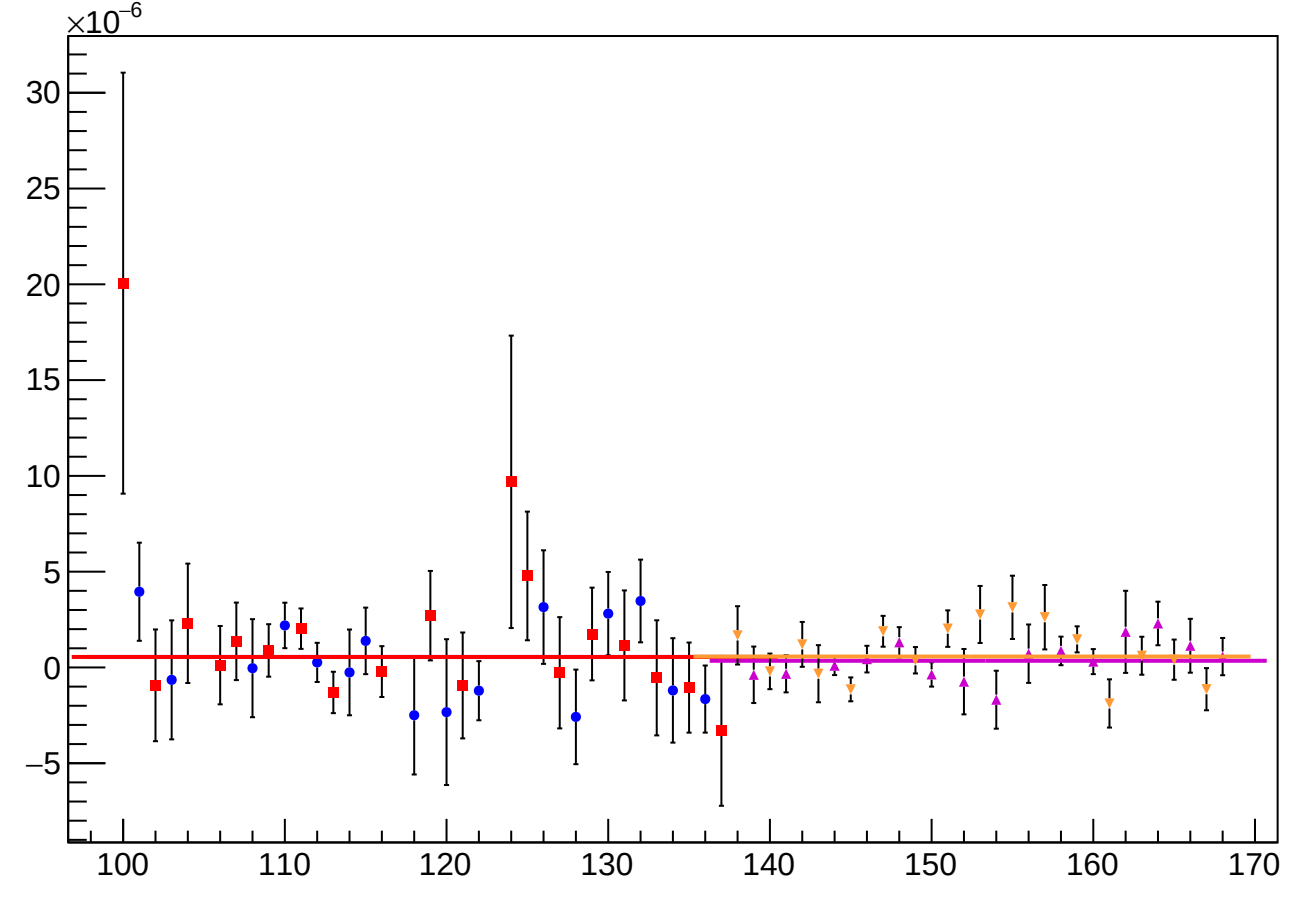
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.370+/-0.004 χ^2/NDF:705206.0/14

+ sign 20.797+/-0.003 χ^2/NDF: 2379940.0/31

All: 20.461+/-0.002 χ^2/NDF: 5551161.7/65

- sign 20.136+/-0.003 χ^2/NDF: 3152913.6/33



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/15

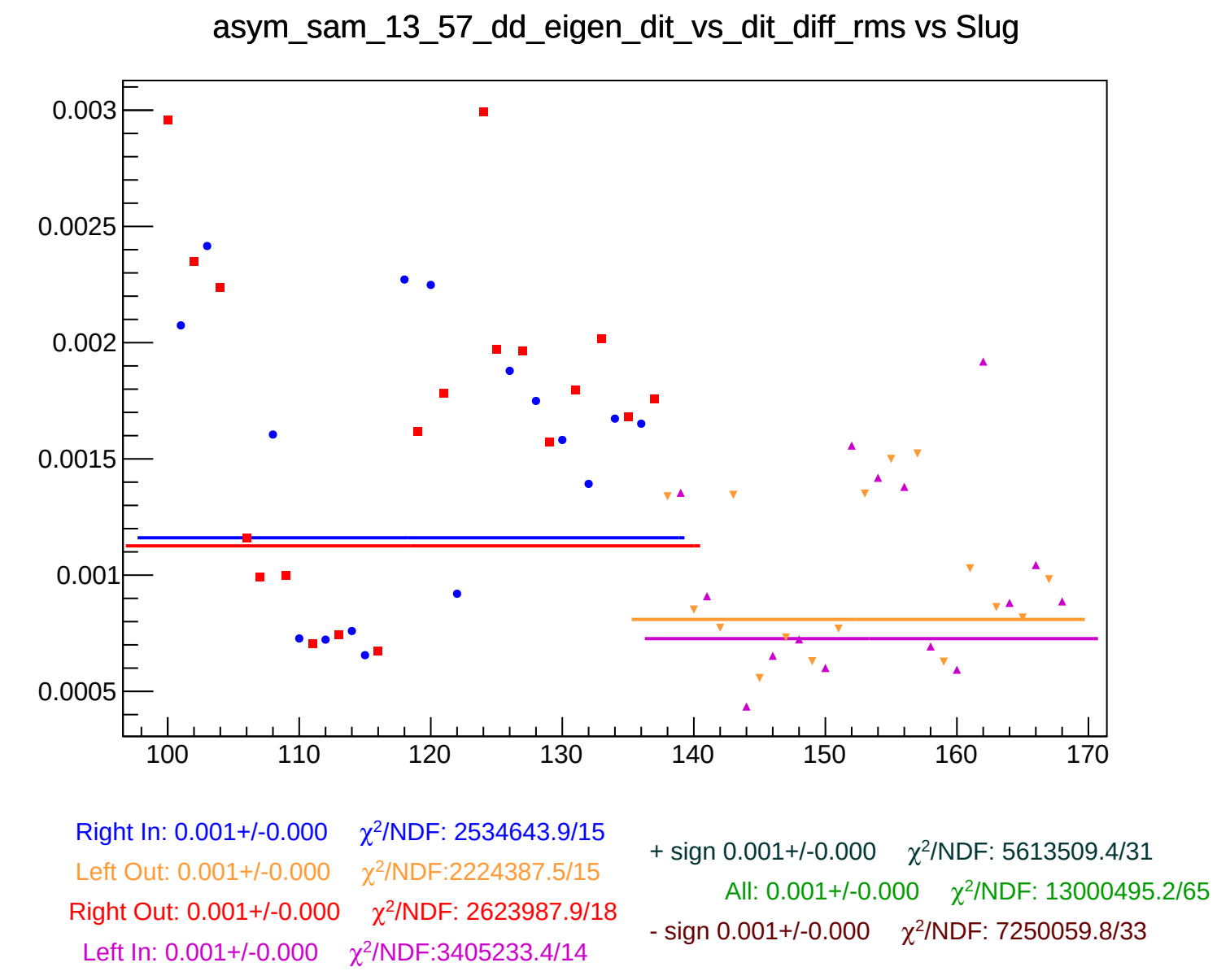
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

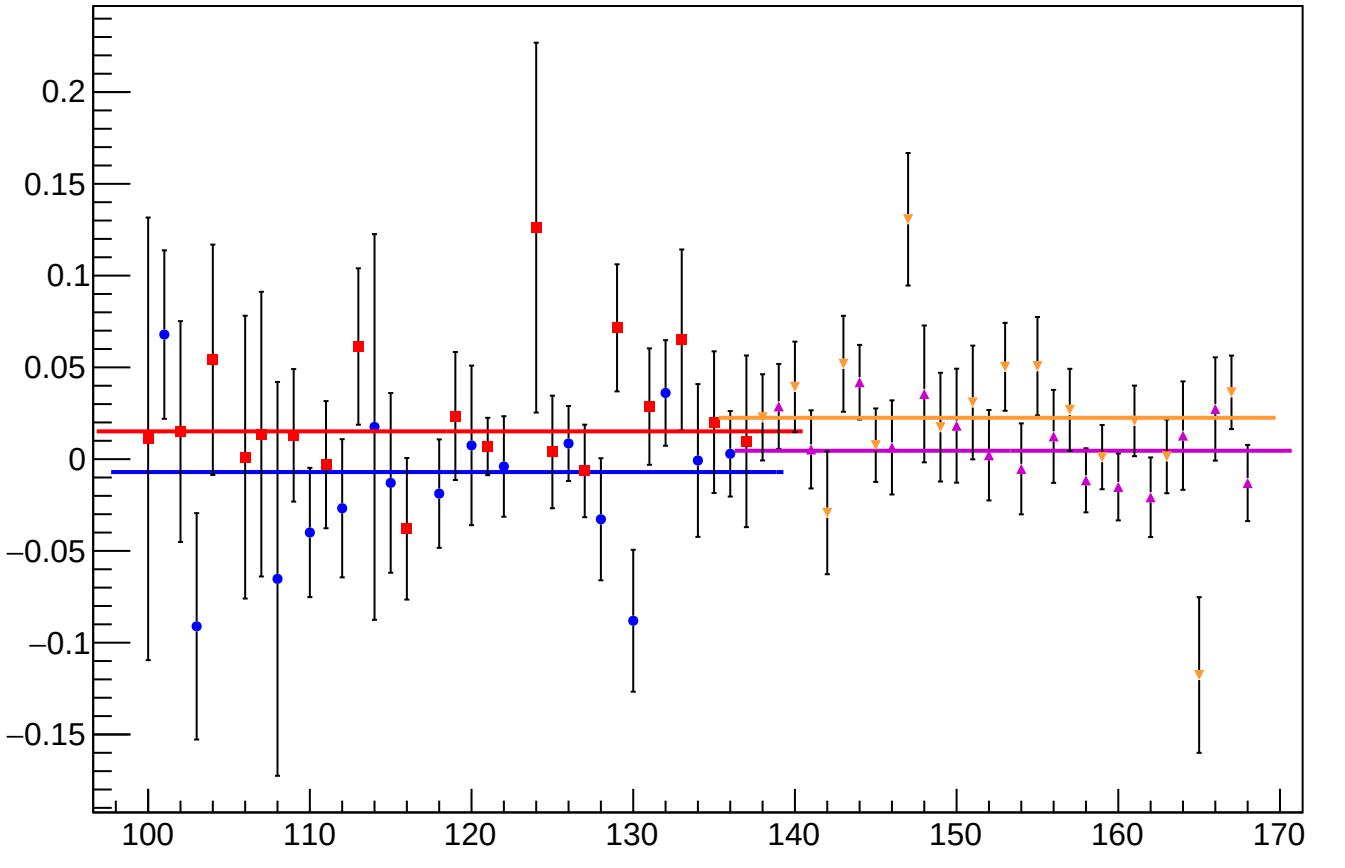
Left In: 0.000+/-0.000 χ^2/NDF:10.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 43.0/31

All: 0.000+/-0.000 χ^2/NDF: 69.2/65

- sign 0.000+/-0.000 χ^2/NDF: 25.8/33


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:2224387.5/15
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:3405233.4/14
+ sign 0.001+/-0.000 χ²/NDF: 5613509.4/31
All: 0.001+/-0.000 χ²/NDF: 13000495.2/65
- sign 0.001+/-0.000 χ²/NDF: 7250059.8/33



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.023+/-0.006 χ^2/NDF:30.2/15

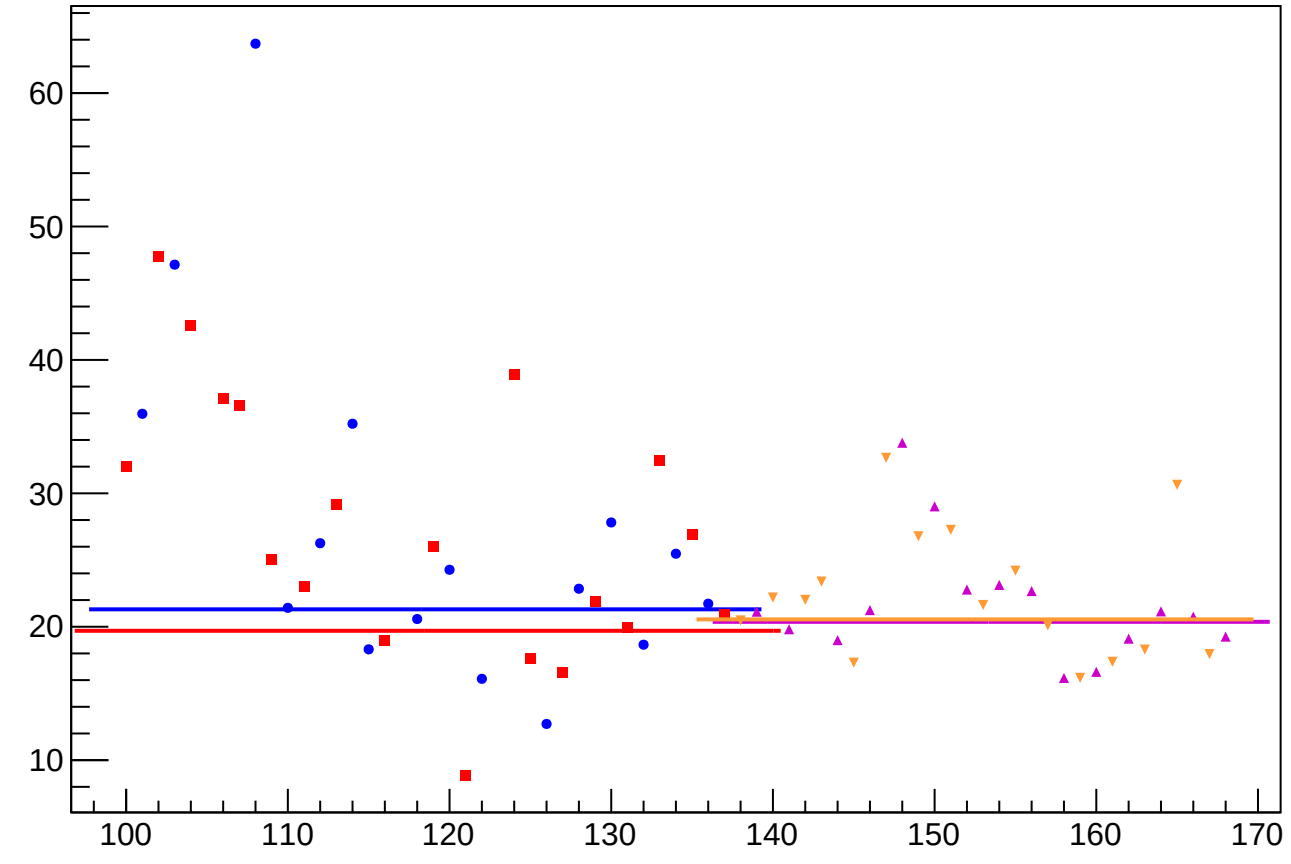
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.005+/-0.006 χ^2/NDF:10.5/14

+ sign 0.013+/-0.005 χ^2/NDF: 52.5/31

All: 0.011+/-0.003 χ^2/NDF: 74.6/65

- sign 0.008+/-0.005 χ^2/NDF: 21.6/33



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.551+/-0.004 χ^2/NDF:890374.8/15

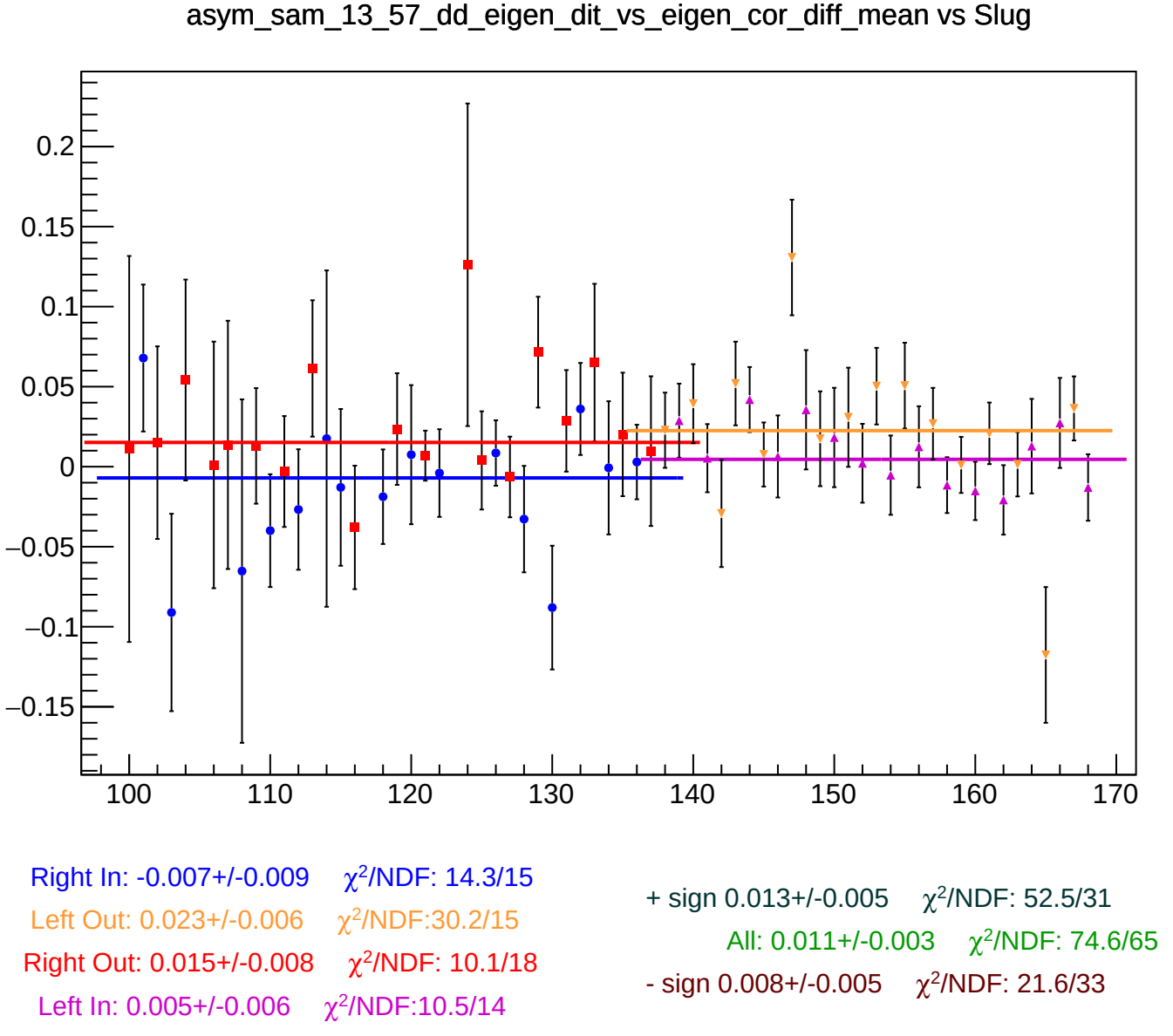
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

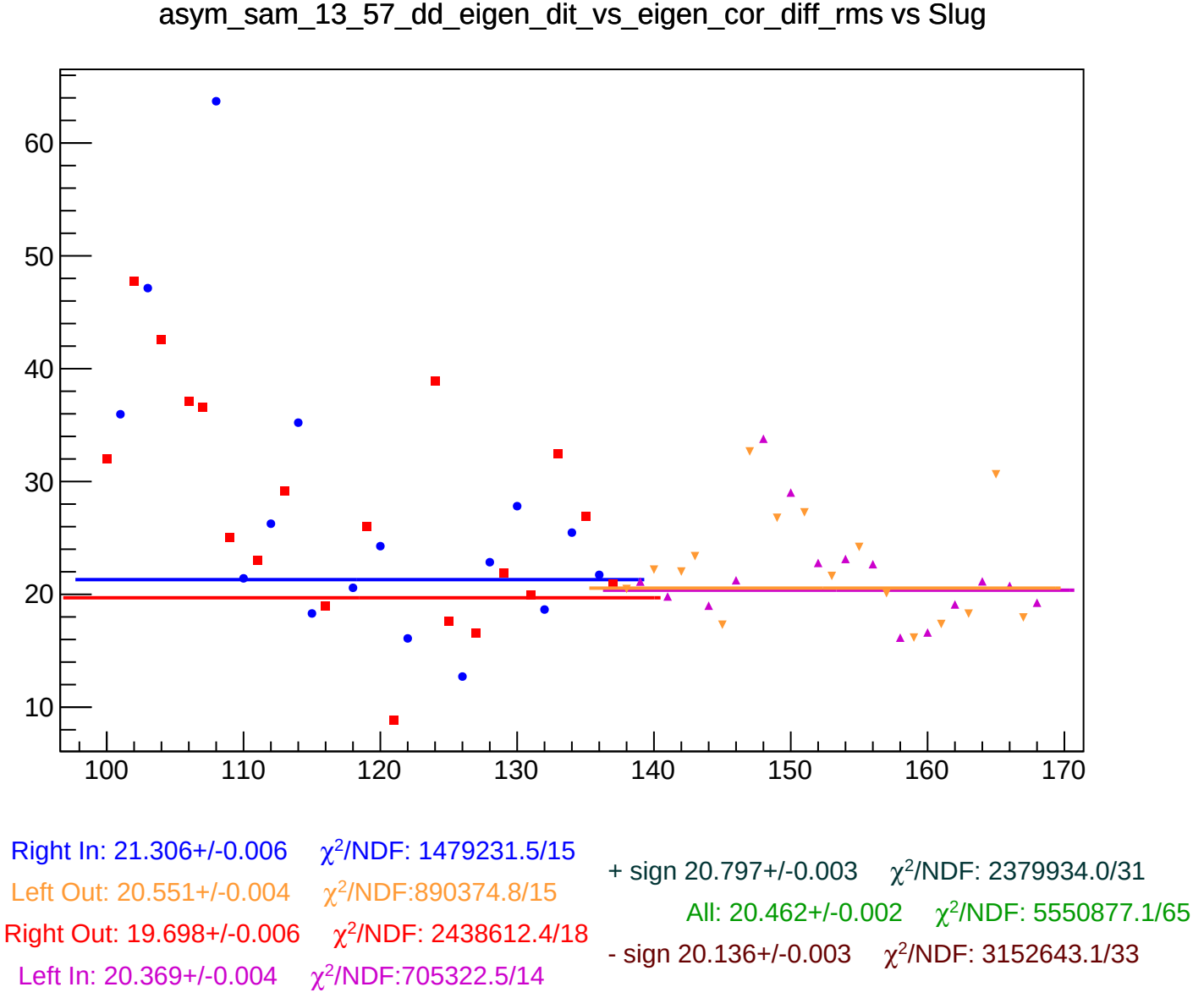
Left In: 20.369+/-0.004 χ^2/NDF:705322.5/14

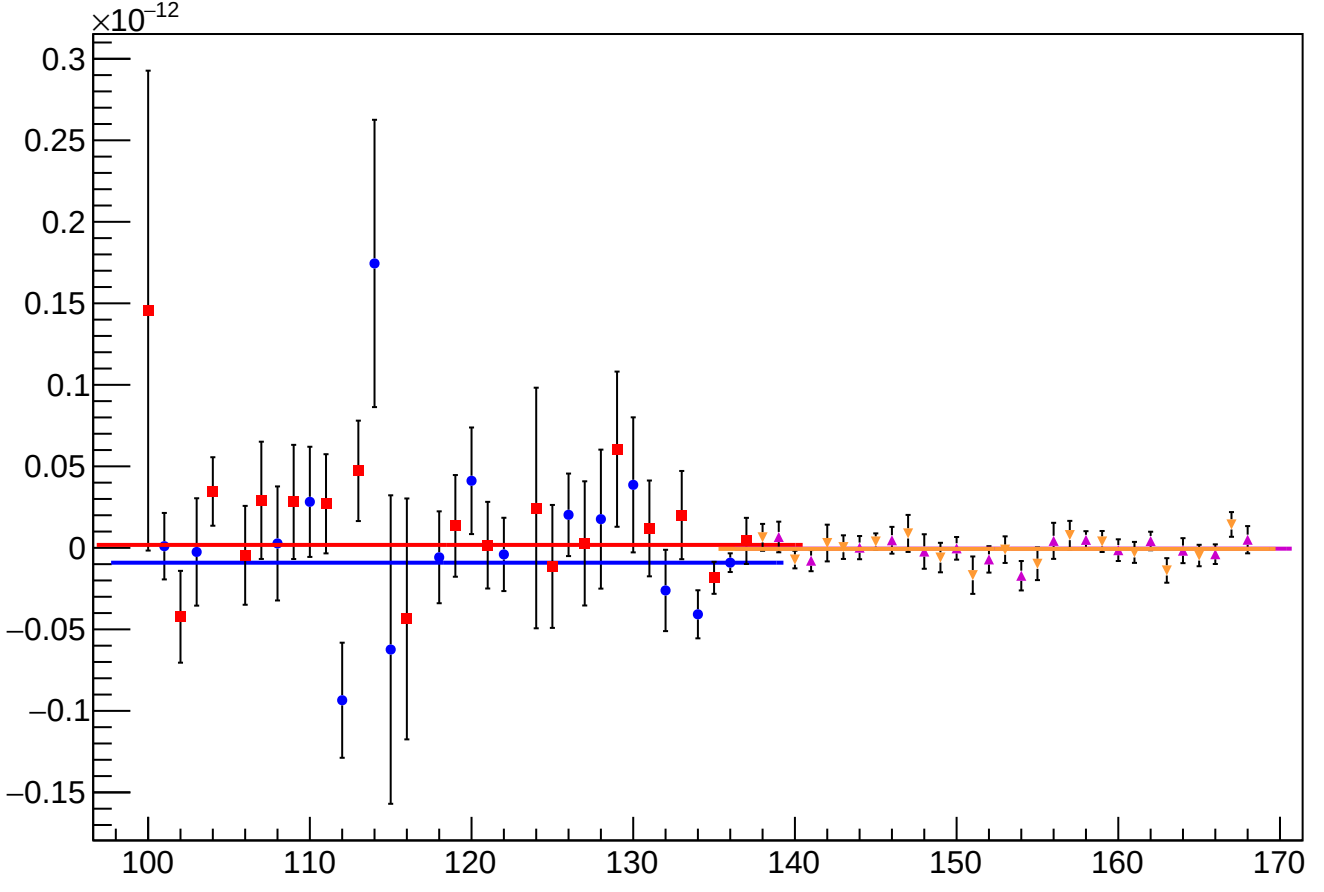
+ sign 20.797+/-0.003 χ^2/NDF: 2379934.0/31

All: 20.462+/-0.002 χ^2/NDF: 5550877.1/65

- sign 20.136+/-0.003 χ^2/NDF: 3152643.1/33


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: 0.023+/-0.006 χ²/NDF:30.2/15
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.005+/-0.006 χ²/NDF:10.5/14
+ sign 0.013+/-0.005 χ²/NDF: 52.5/31
All: 0.011+/-0.003 χ²/NDF: 74.6/65
- sign 0.008+/-0.005 χ²/NDF: 21.6/33


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 21.306+/-0.006 χ²/NDF: 1479231.5/15
Left Out: 20.551+/-0.004 χ²/NDF:890374.8/15
Right Out: 19.698+/-0.006 χ²/NDF: 2438612.4/18
Left In: 20.369+/-0.004 χ²/NDF:705322.5/14
+ sign 20.797+/-0.003 χ²/NDF: 2379934.0/31
All: 20.462+/-0.002 χ²/NDF: 5550877.1/65
- sign 20.136+/-0.003 χ²/NDF: 3152643.1/33



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/15

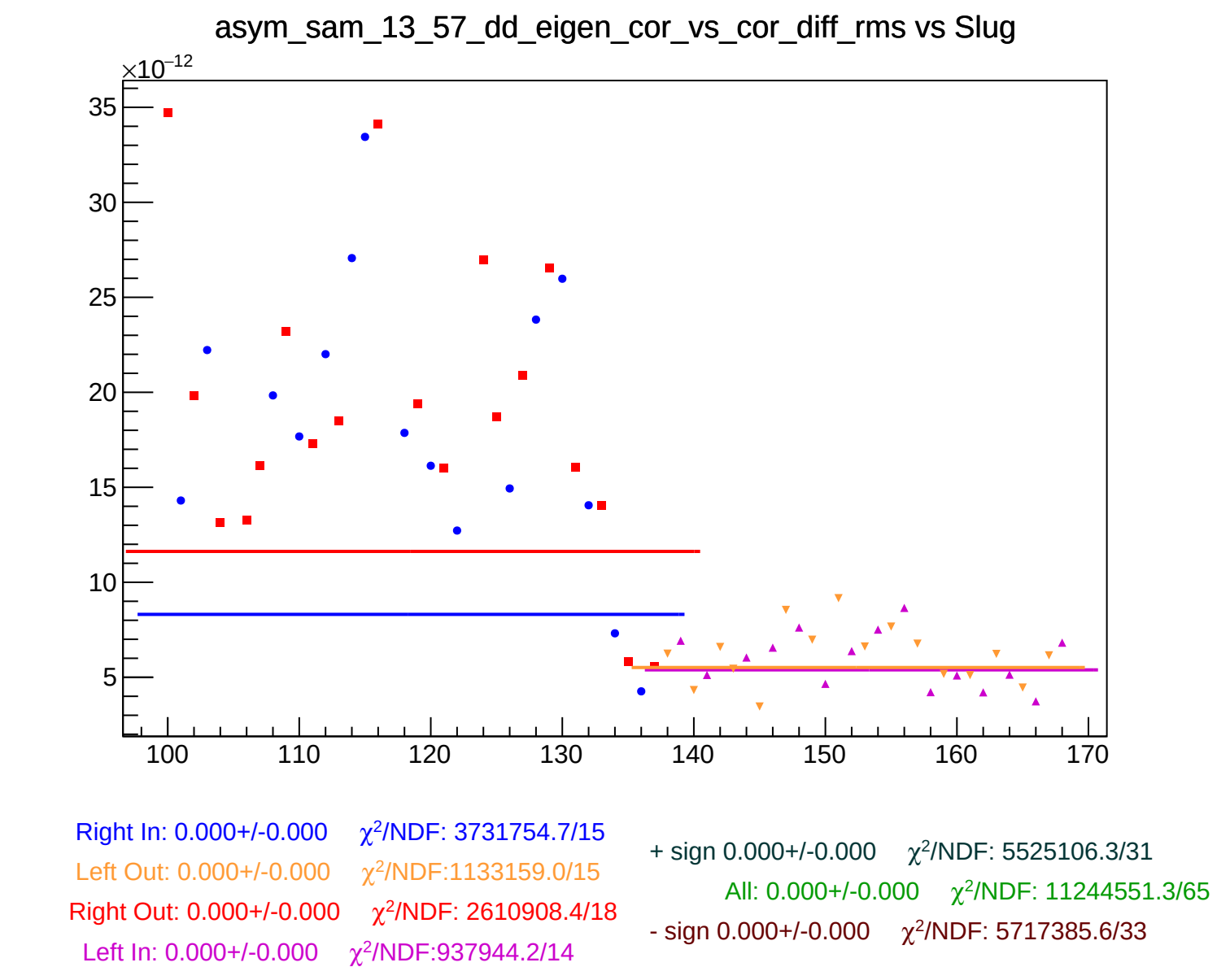
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.0/14

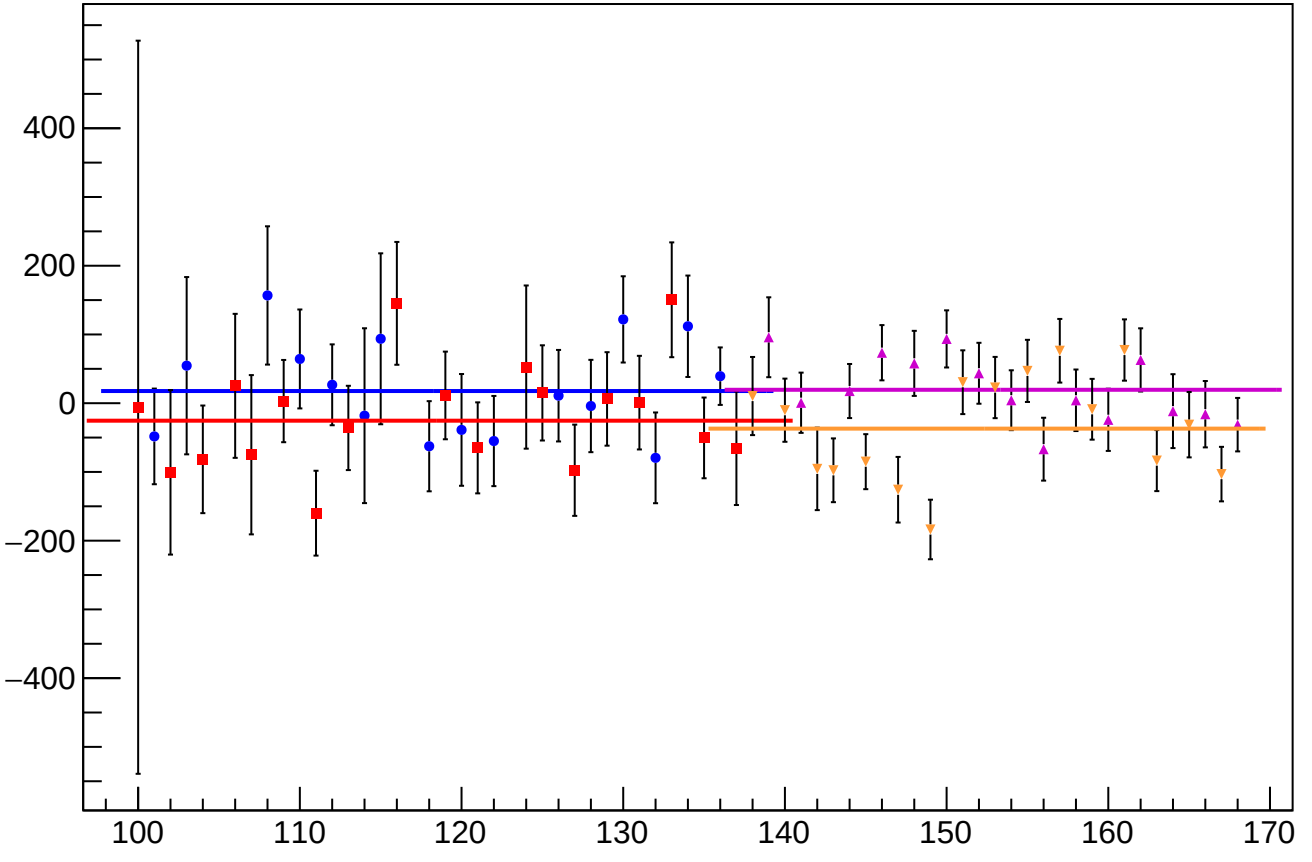
+ sign -0.000+/-0.000 χ^2/NDF: 41.5/31

All: -0.000+/-0.000 χ^2/NDF: 68.1/65

- sign -0.000+/-0.000 χ^2/NDF: 26.2/33


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:1133159.0/15
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:937944.2/14
+ sign 0.000+/-0.000 χ²/NDF: 5525106.3/31
All: 0.000+/-0.000 χ²/NDF: 11244551.3/65
- sign 0.000+/-0.000 χ²/NDF: 5717385.6/33

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -36.993+/-11.437 χ^2/NDF:44.3/15

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

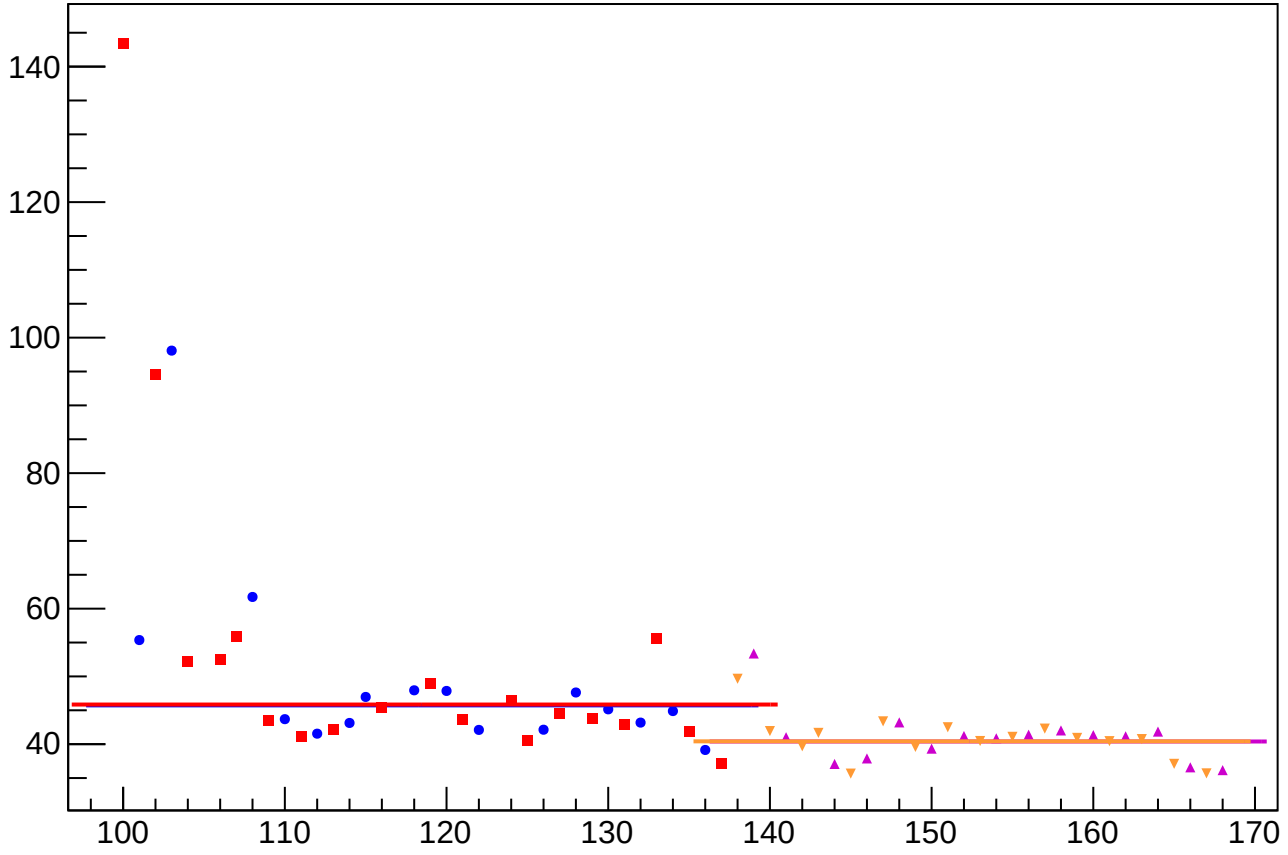
Left In: 19.519+/-11.533 χ^2/NDF:16.0/14

+ sign -20.586+/-9.569 χ^2/NDF: 65.1/31

All: -7.477+/-6.778 χ^2/NDF: 107.4/65

- sign 5.726+/-9.603 χ^2/NDF: 38.6/33

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 40.416+/-0.008 χ^2/NDF:139699.1/15

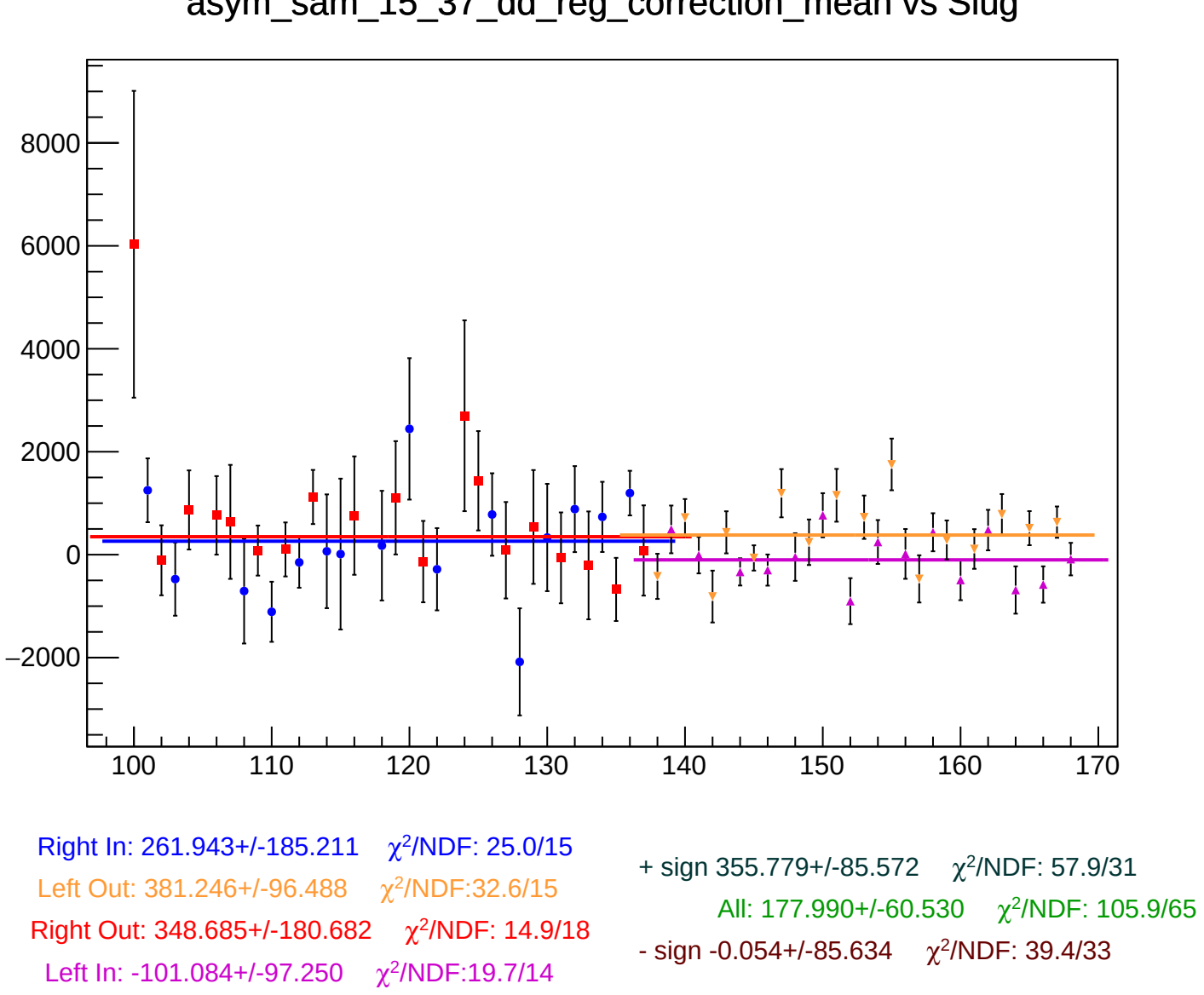
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 40.395+/-0.008 χ^2/NDF:174161.6/14

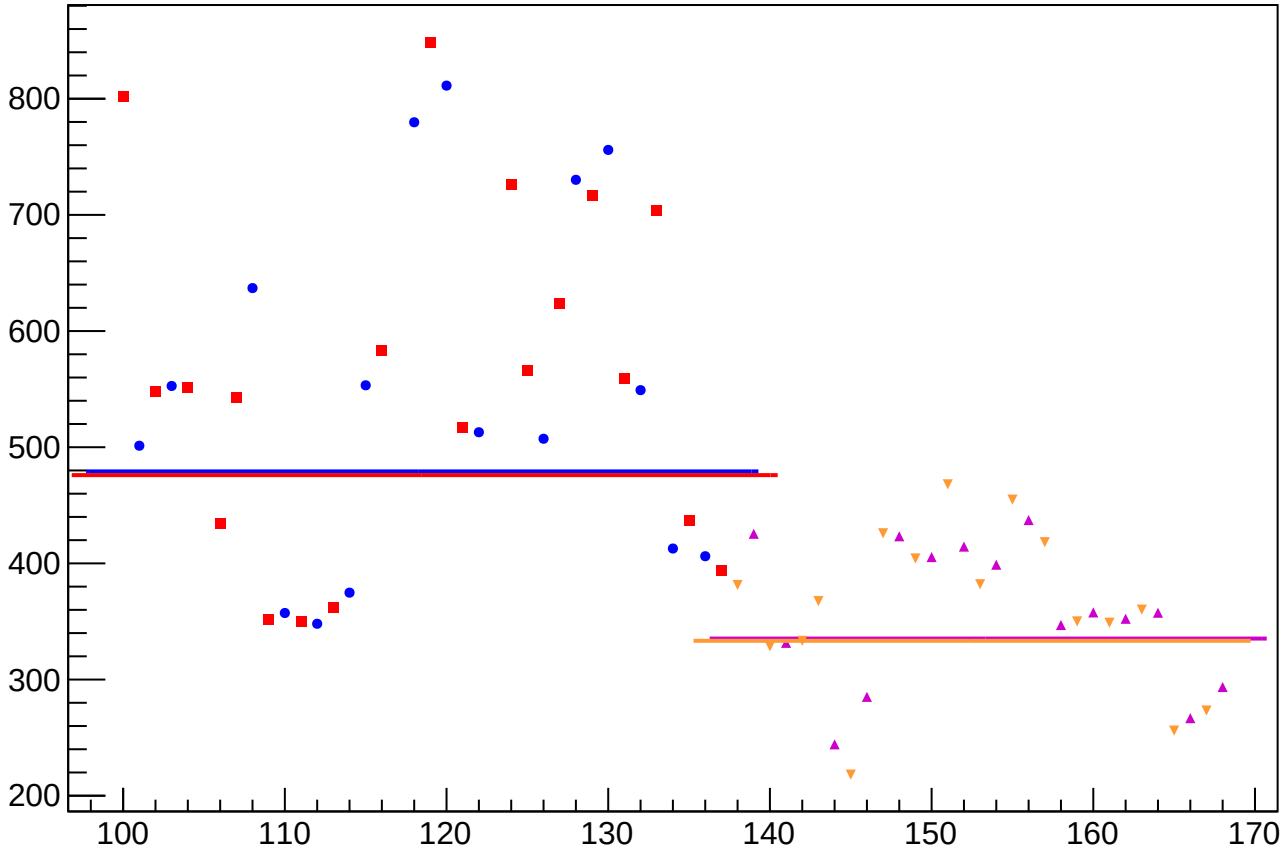
+ sign 42.009+/-0.007 χ^2/NDF: 770510.7/31

All: 42.039+/-0.005 χ^2/NDF: 1622068.7/65

- sign 42.069+/-0.007 χ^2/NDF: 851520.1/33


asym_sam_15_37_dd_reg_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 261.943+/-185.211 χ²/NDF: 25.0/15
Left Out: 381.246+/-96.488 χ²/NDF:32.6/15
Right Out: 348.685+/-180.682 χ²/NDF: 14.9/18
Left In: -101.084+/-97.250 χ²/NDF:19.7/14
+ sign 355.779+/-85.572 χ²/NDF: 57.9/31
All: 177.990+/-60.530 χ²/NDF: 105.9/65
- sign -0.054+/-85.634 χ²/NDF: 39.4/33

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 333.362+/-0.068 χ^2/NDF:1161928.9/15

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

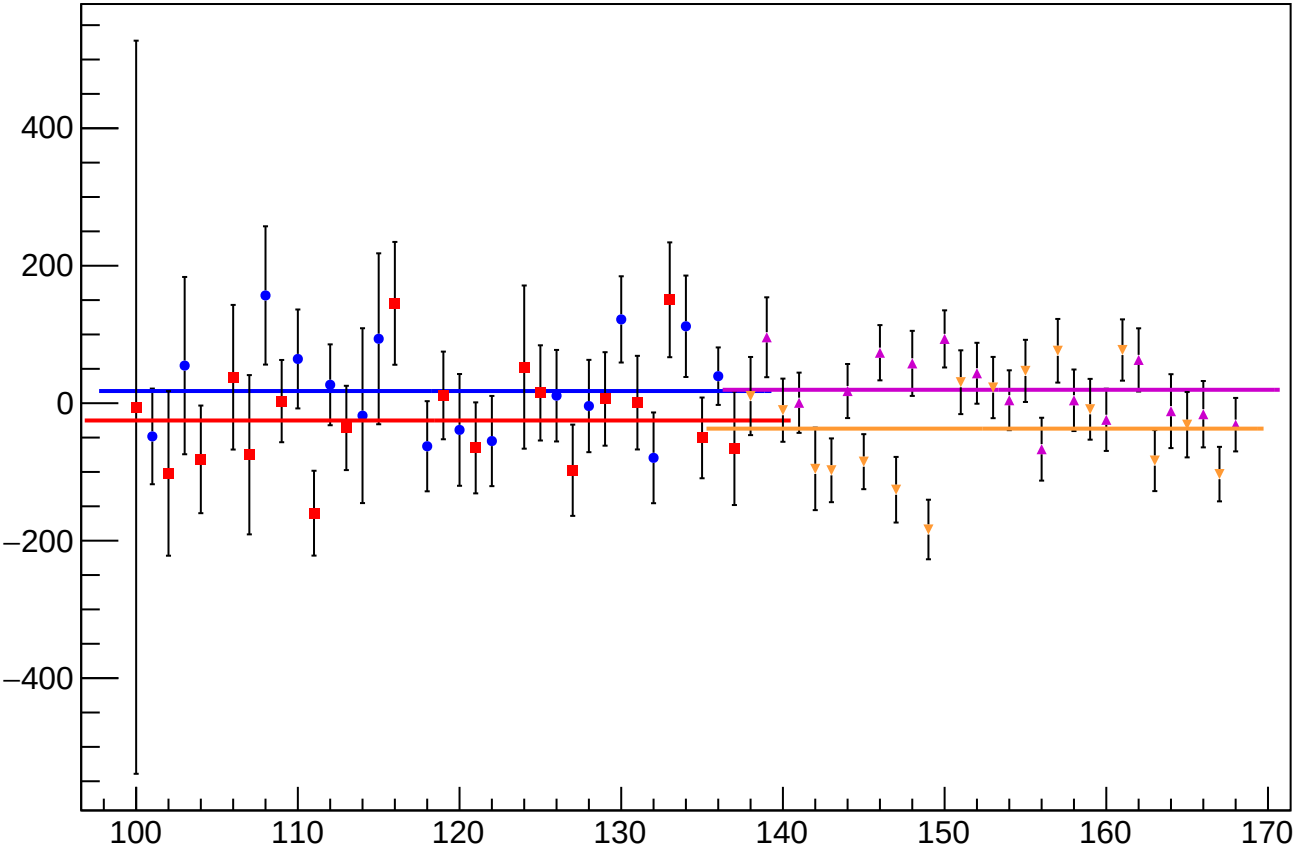
Left In: 335.287+/-0.069 χ^2/NDF:816931.1/14

+ sign 364.489+/-0.061 χ^2/NDF: 3089659.5/31

All: 365.690+/-0.043 χ^2/NDF: 5854305.0/65

- sign 366.893+/-0.061 χ^2/NDF: 2763857.0/33

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -36.995+/-11.437 χ^2/NDF:44.3/15

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

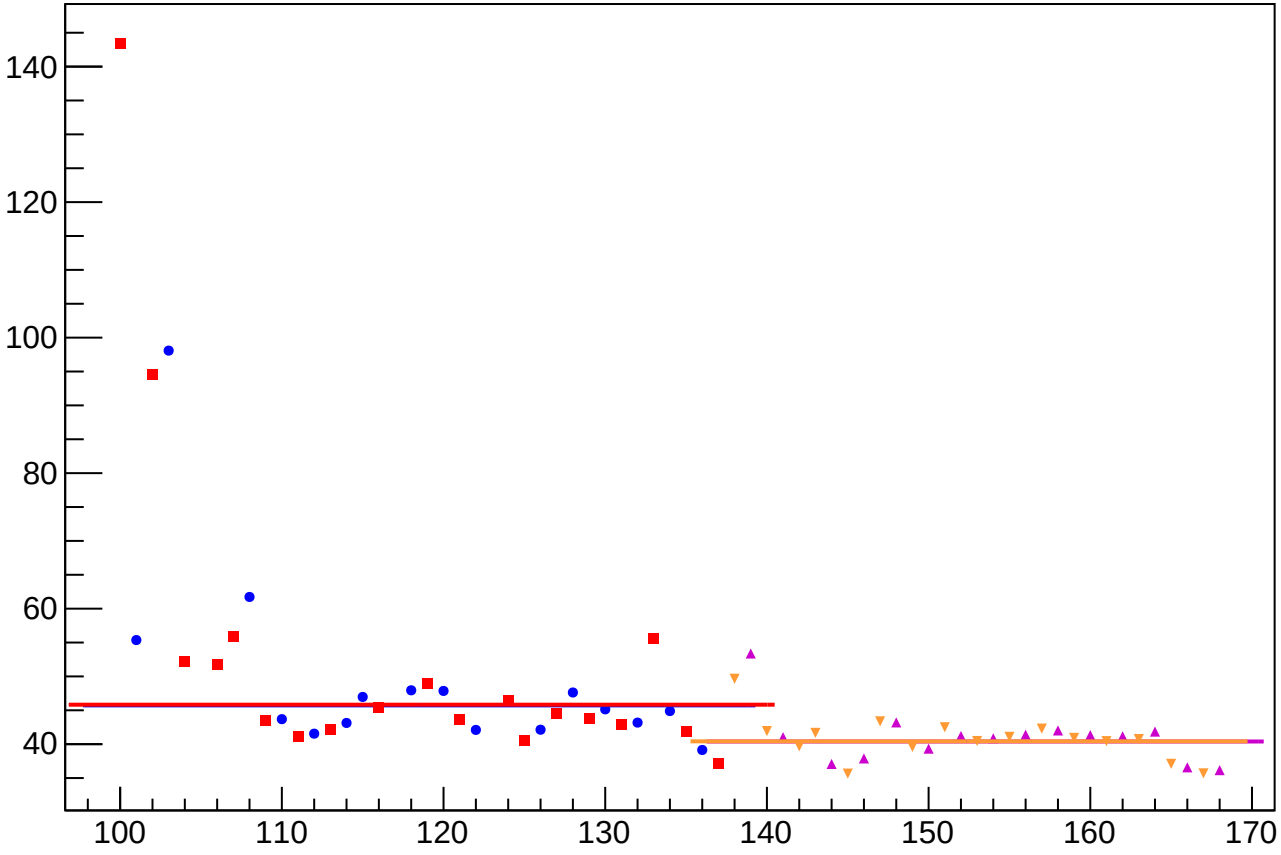
Left In: 19.519+/-11.533 χ^2/NDF:16.1/14

+ sign -20.585+/-9.569 χ^2/NDF: 65.1/31

All: -7.430+/-6.778 χ^2/NDF: 107.6/65

- sign 5.819+/-9.603 χ^2/NDF: 38.6/33

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.416+/-0.008 χ^2/NDF:139699.1/15

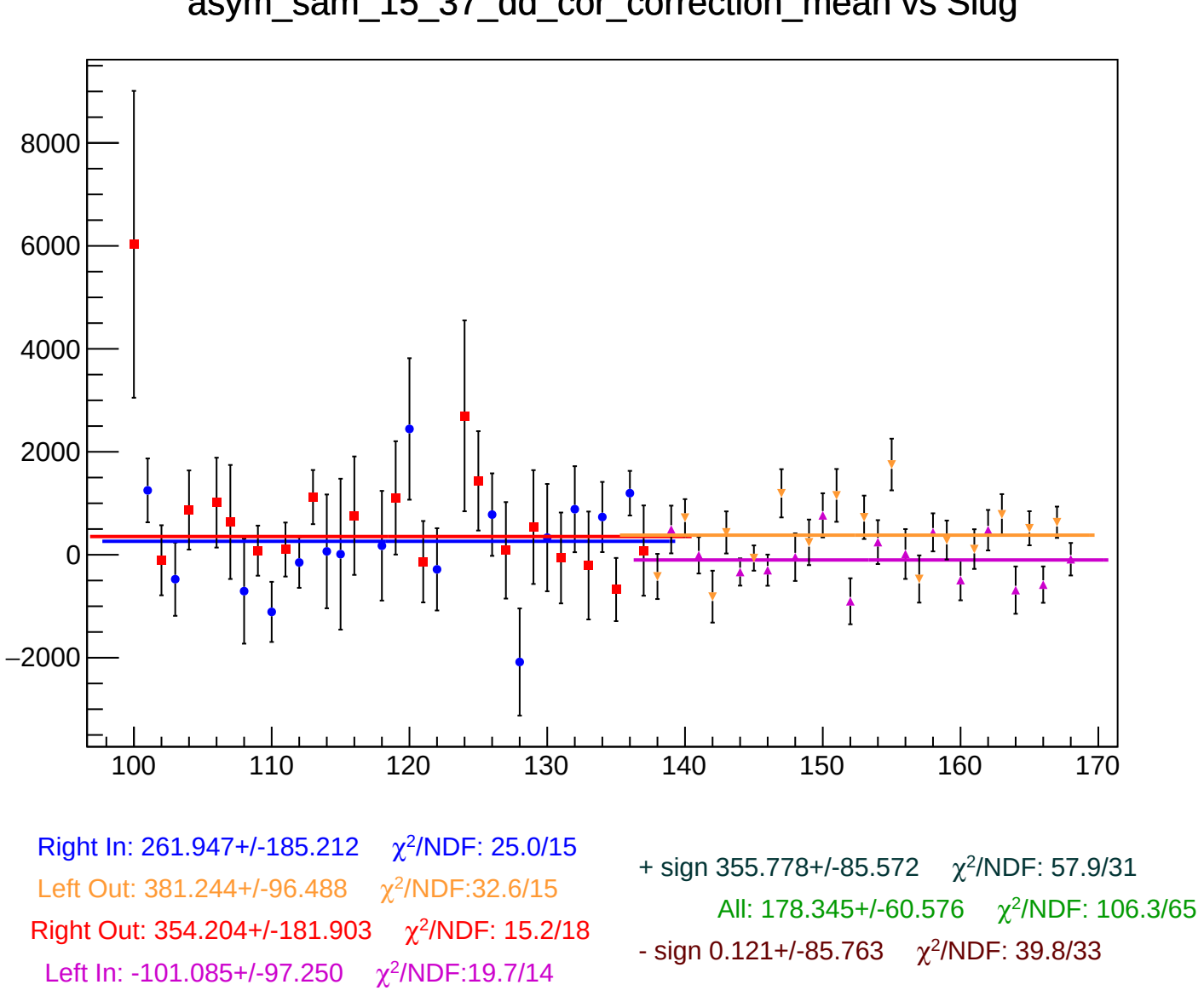
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.395+/-0.008 χ^2/NDF:174161.6/14

+ sign 42.009+/-0.007 χ^2/NDF: 770513.6/31

All: 42.035+/-0.005 χ^2/NDF: 1619153.7/65

- sign 42.061+/-0.007 χ^2/NDF: 848611.3/33


asym_sam_15_37_dd_cor_correction_mean vs Slug
8000
6000
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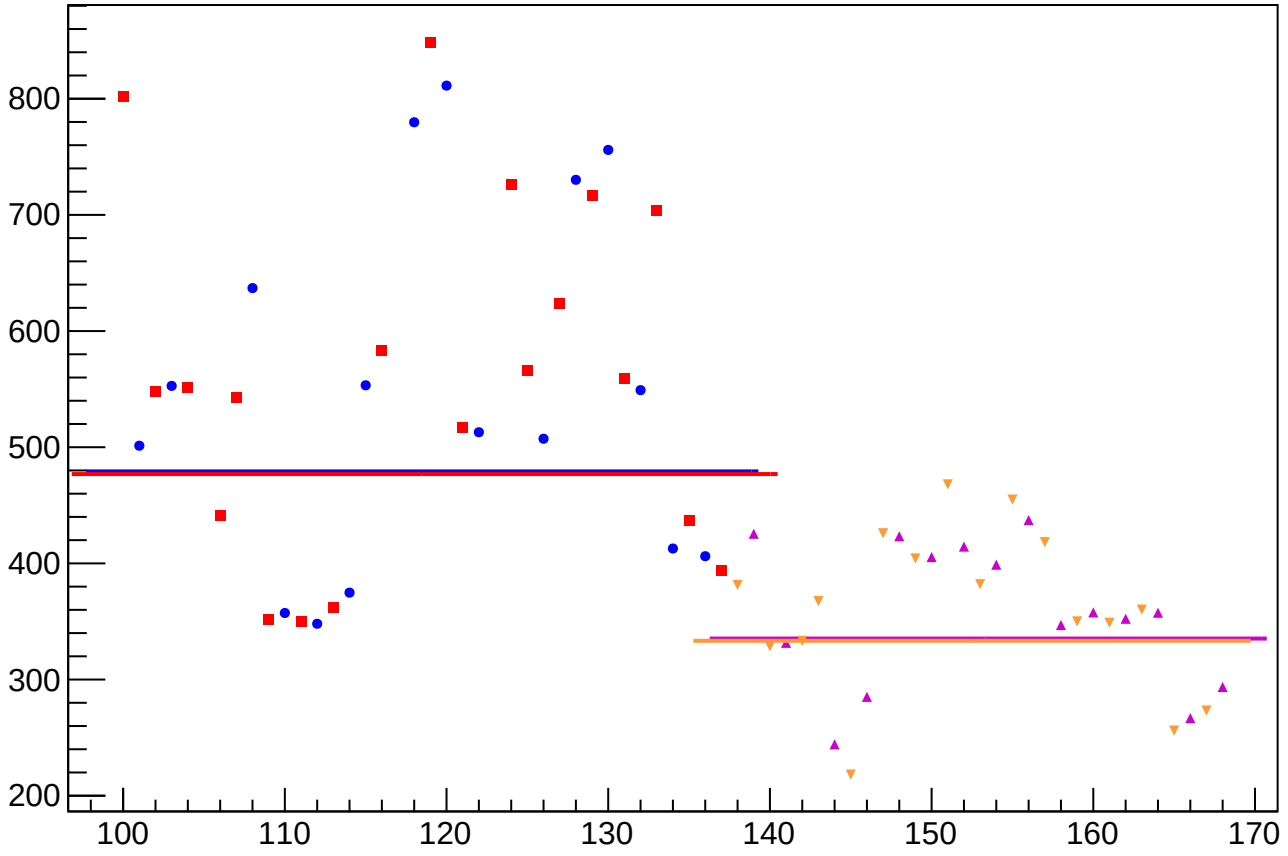
160
170
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 381.244+/-96.488 χ²/NDF:32.6/15
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: -101.085+/-97.250 χ²/NDF:19.7/14
+ sign 355.778+/-85.572 χ²/NDF: 57.9/31
All: 178.345+/-60.576 χ²/NDF: 106.3/65
- sign 0.121+/-85.763 χ²/NDF: 39.8/33

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 333.362+/-0.068 χ^2/NDF:1161928.9/15

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

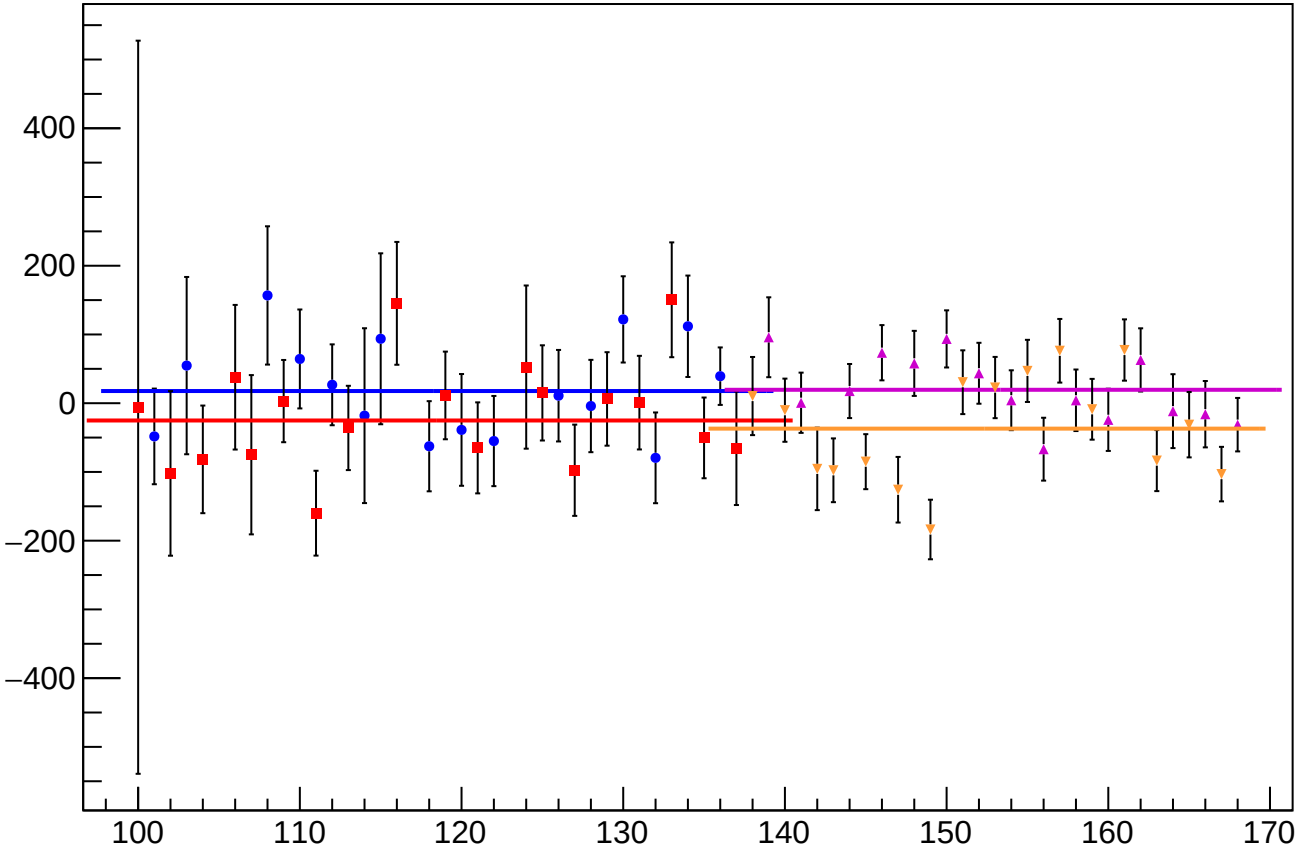
Left In: 335.287+/-0.069 χ^2/NDF:816932.2/14

+ sign 364.489+/-0.061 χ^2/NDF: 3089709.8/31

All: 365.624+/-0.043 χ^2/NDF: 5853724.6/65

- sign 366.764+/-0.061 χ^2/NDF: 2763309.4/33

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -36.995+/-11.437 χ^2/NDF:44.3/15

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

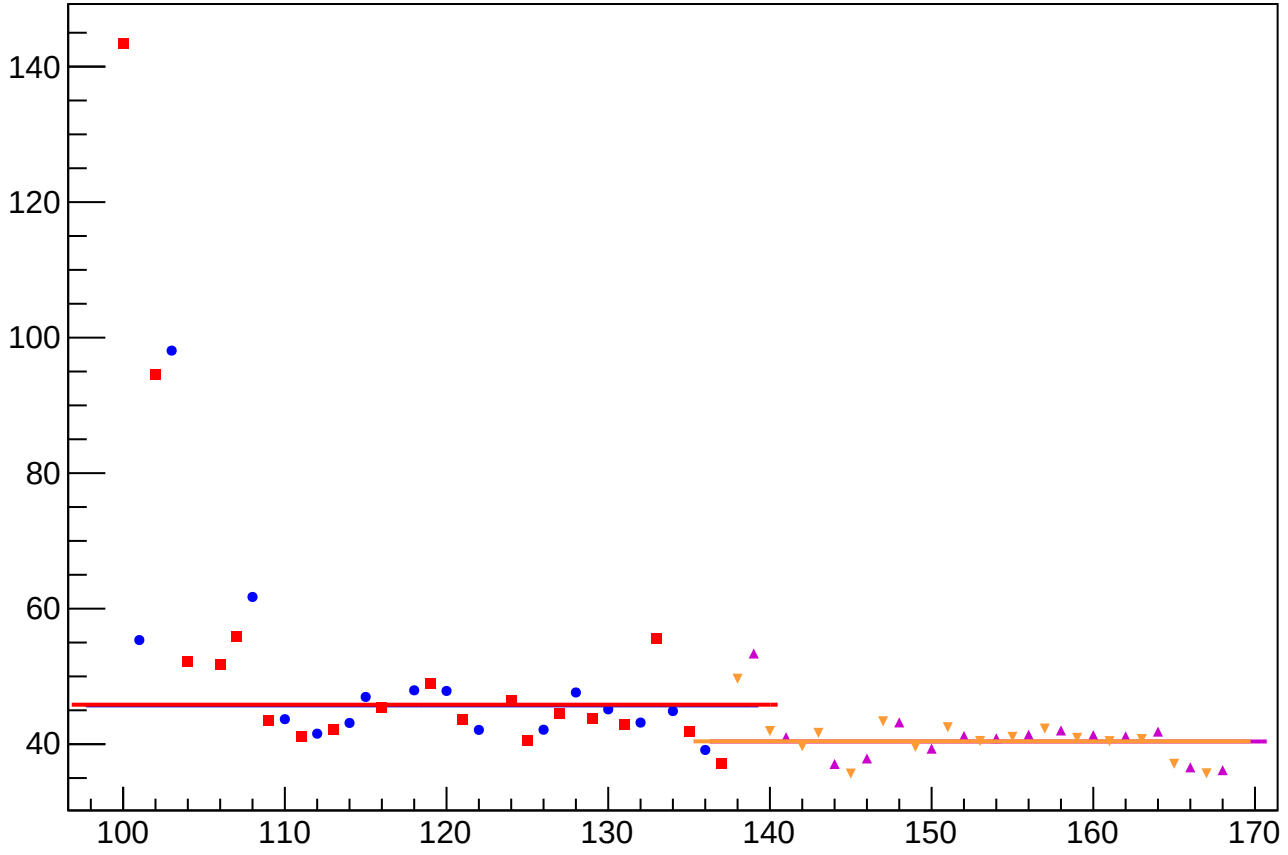
Left In: 19.519+/-11.533 χ^2/NDF:16.1/14

+ sign -20.585+/-9.569 χ^2/NDF: 65.1/31

All: -7.430+/-6.778 χ^2/NDF: 107.6/65

- sign 5.819+/-9.603 χ^2/NDF: 38.6/33

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.416+/-0.008 χ^2/NDF:139699.1/15

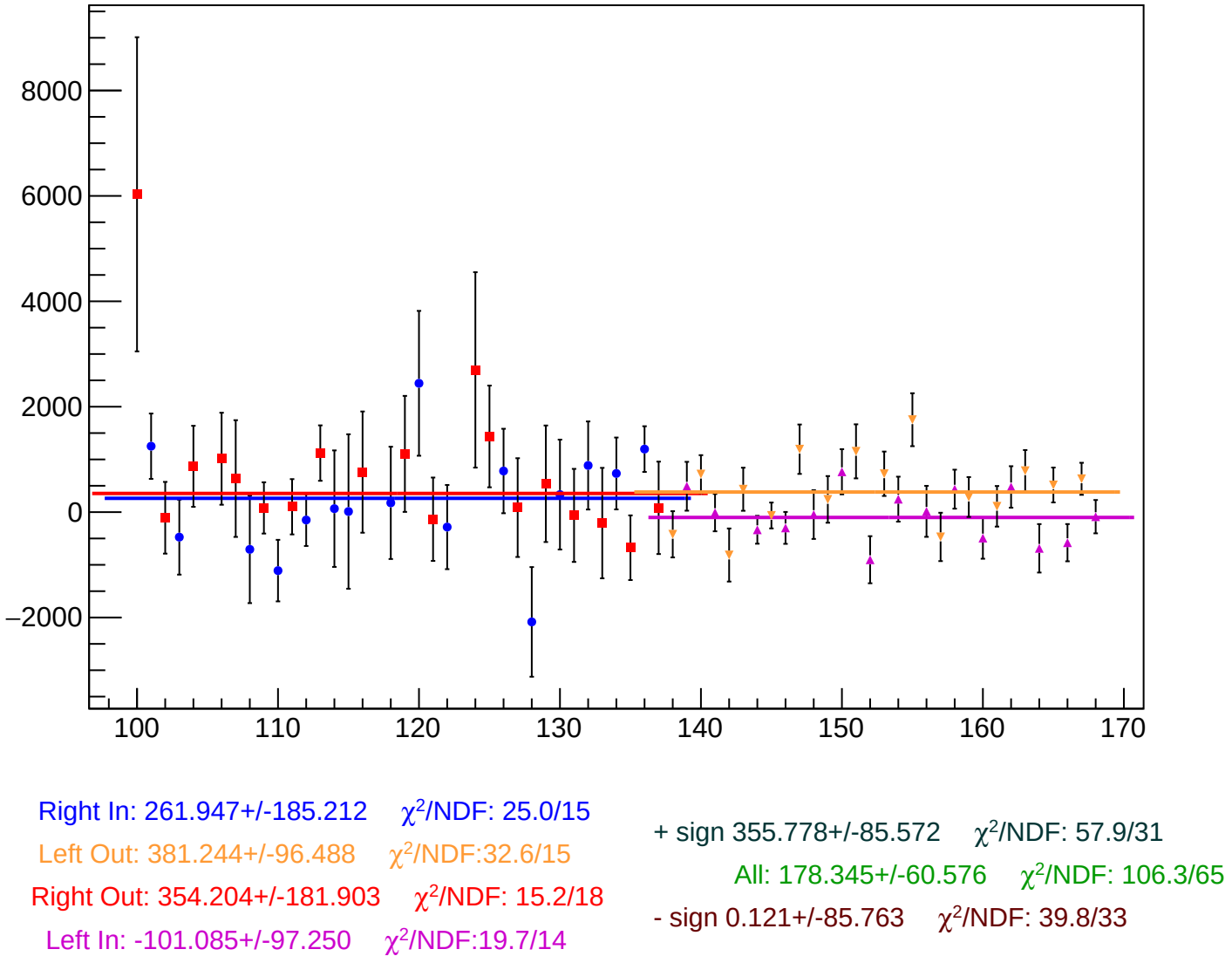
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.395+/-0.008 χ^2/NDF:174161.6/14

\+ sign 42.009+/-0.007 χ^2/NDF: 770513.6/31

All: 42.035+/-0.005 χ^2/NDF: 1619153.7/65

\- sign 42.061+/-0.007 χ^2/NDF: 848611.3/33


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
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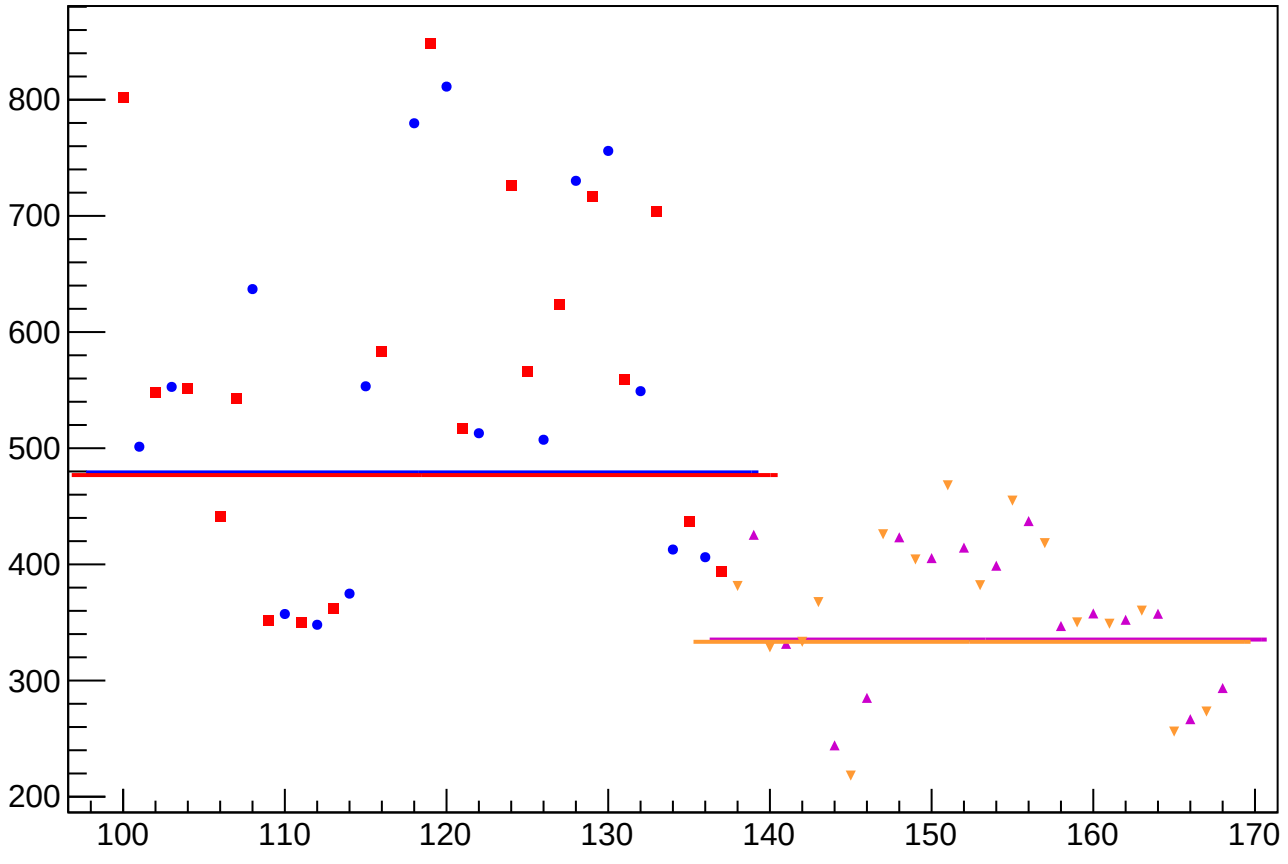
170
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 381.244+/-96.488 χ²/NDF:32.6/15
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: -101.085+/-97.250 χ²/NDF:19.7/14
+ sign 355.778+/-85.572 χ²/NDF: 57.9/31
All: 178.345+/-60.576 χ²/NDF: 106.3/65
- sign 0.121+/-85.763 χ²/NDF: 39.8/33



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 333.362+/-0.068 χ^2/NDF:1161928.9/15

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

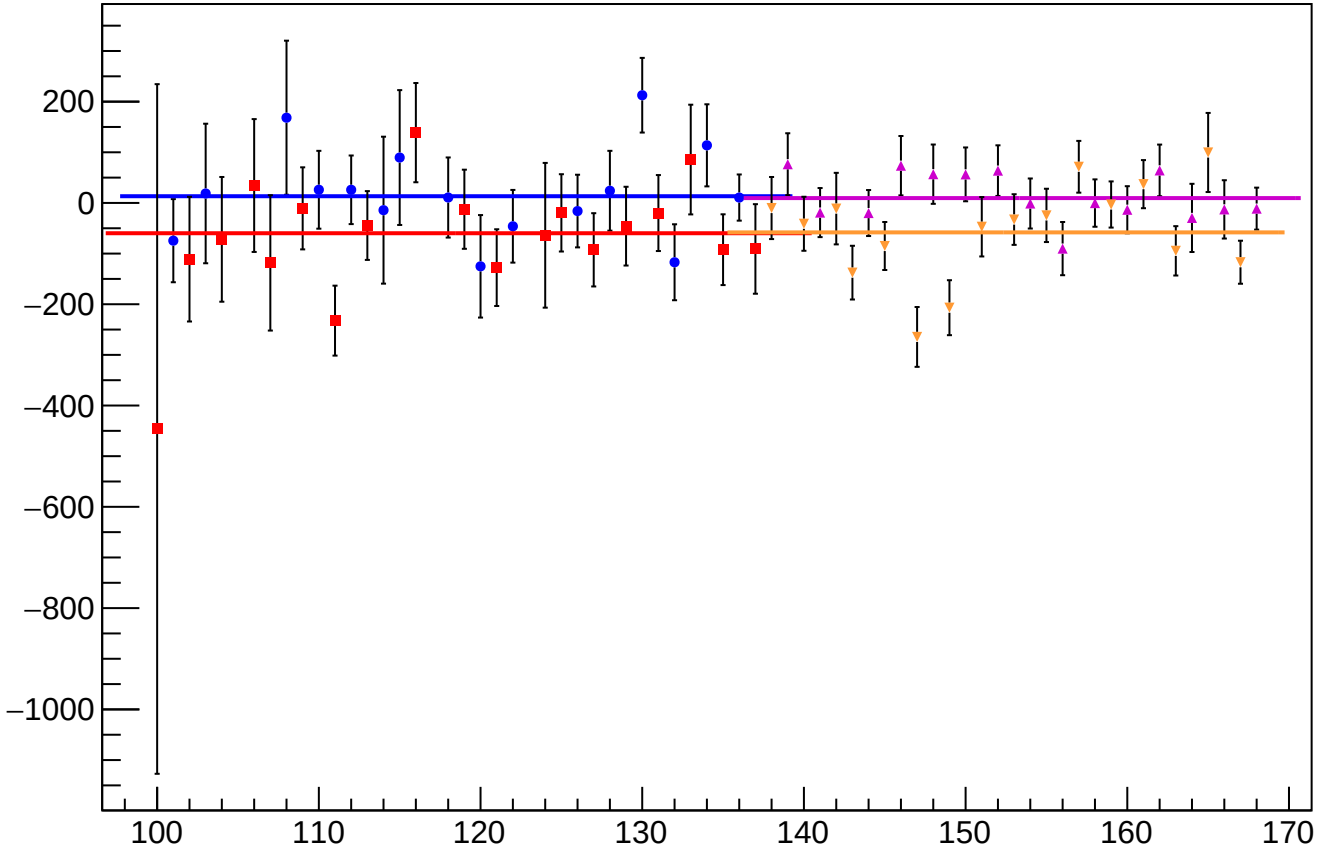
Left In: 335.287+/-0.069 χ^2/NDF:816932.2/14

+ sign 364.489+/-0.061 χ^2/NDF: 3089709.8/31

All: 365.624+/-0.043 χ^2/NDF: 5853724.6/65

- sign 366.764+/-0.061 χ^2/NDF: 2763309.4/33

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -58.144+/-13.194 χ^2/NDF:42.6/15

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

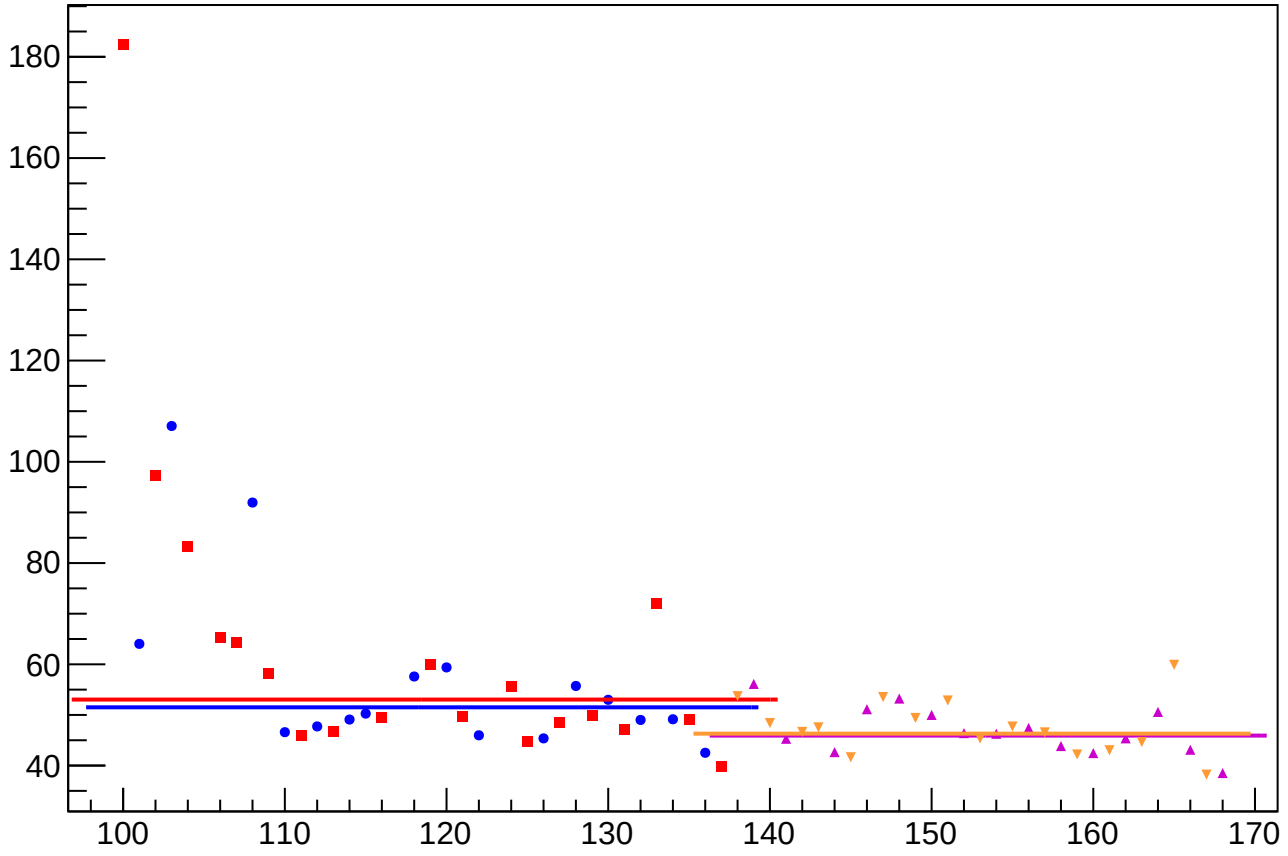
Left In: 9.572+/-13.249 χ^2/NDF:11.6/14

+ sign -36.262+/-10.988 χ^2/NDF: 68.8/31

All: -23.864+/-7.803 χ^2/NDF: 107.3/65

- sign -11.248+/-11.084 χ^2/NDF: 35.9/33

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 46.303+/-0.009 χ^2/NDF:277941.5/15

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

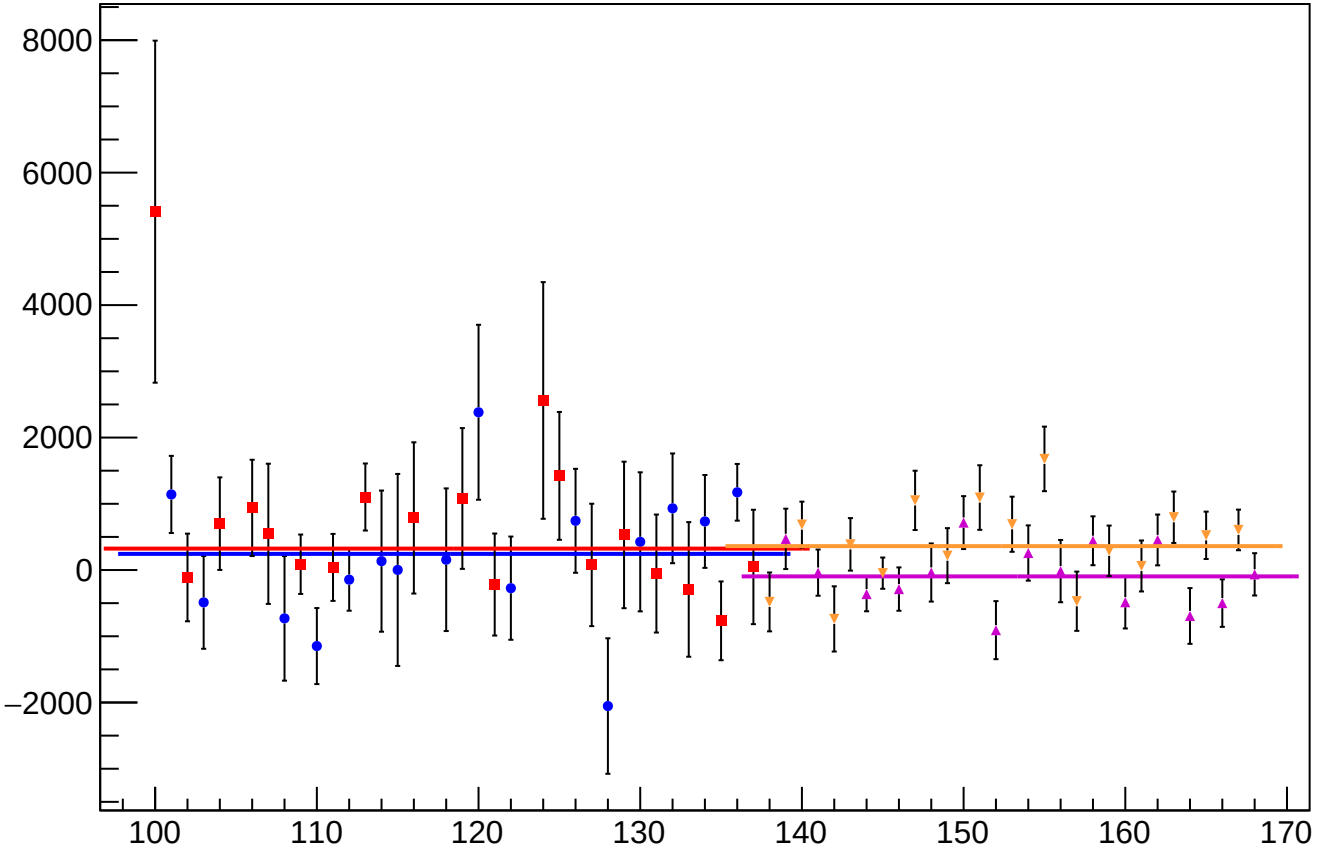
Left In: 45.921+/-0.009 χ^2/NDF:220476.6/14

+ sign 47.897+/-0.008 χ^2/NDF: 1040281.4/31

All: 47.976+/-0.006 χ^2/NDF: 2147035.9/65

- sign 48.056+/-0.008 χ^2/NDF: 1106547.3/33

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 360.979+/-95.092 χ^2/NDF:31.4/15

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

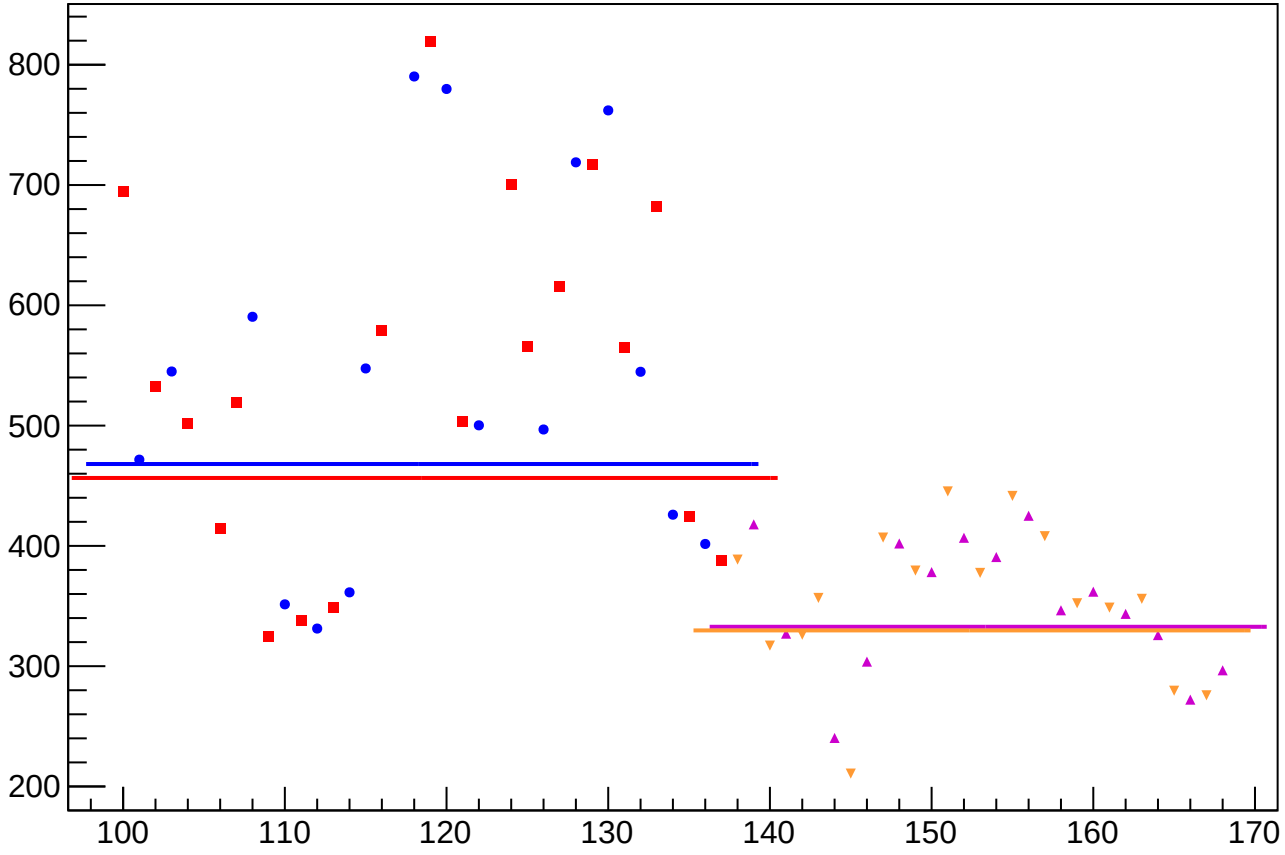
Left In: -95.882+/-96.305 χ^2/NDF:19.7/14

+ sign 335.610+/-84.169 χ^2/NDF: 57.3/31

All: 169.309+/-59.534 χ^2/NDF: 105.7/65

- sign 2.813+/-84.218 χ^2/NDF: 40.7/33

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 329.732+/-0.067 χ^2/NDF:1072304.1/15

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

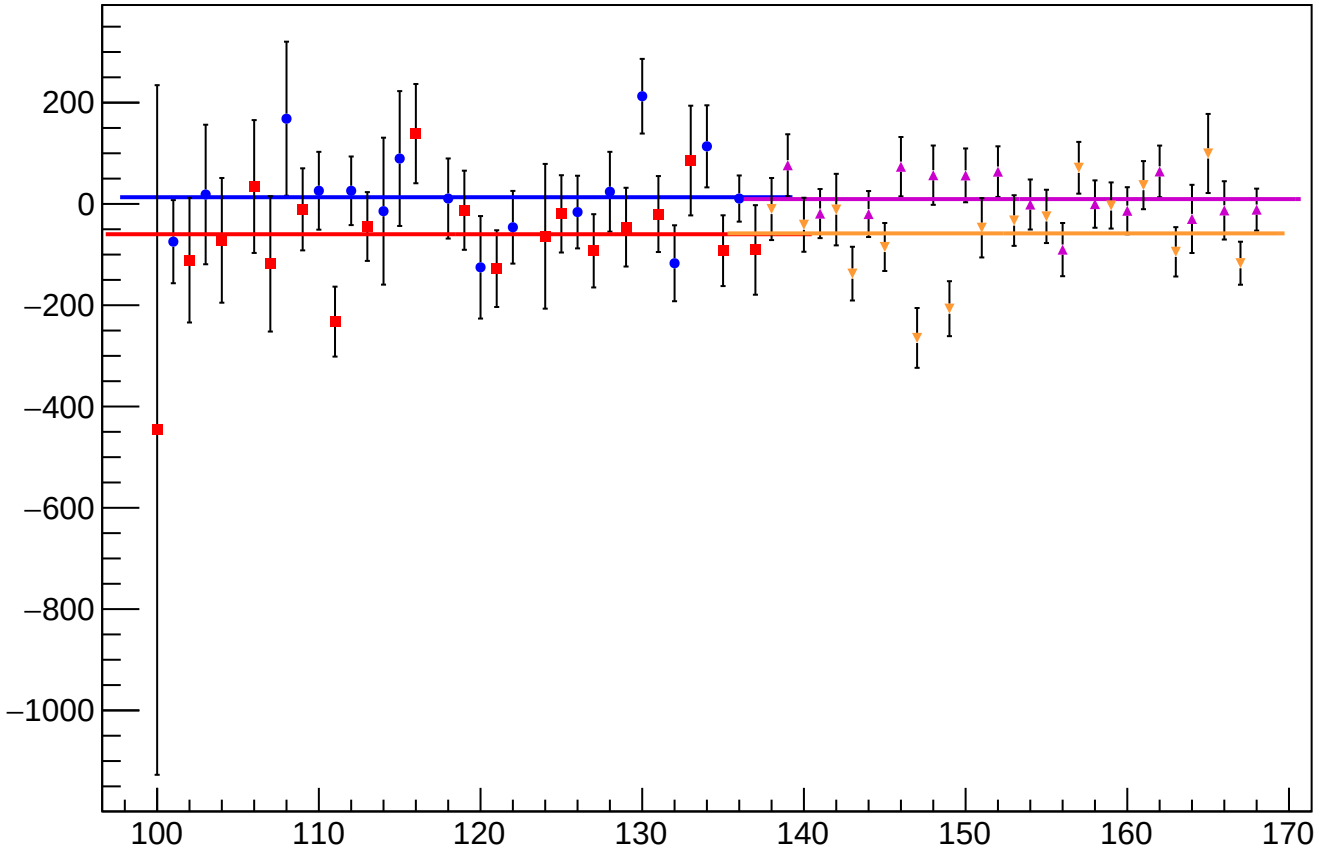
Left In: 332.753+/-0.068 χ^2/NDF:685724.0/14

+ sign 359.688+/-0.060 χ^2/NDF: 2971761.3/31

All: 360.773+/-0.042 χ^2/NDF: 5517198.9/65

- sign 361.858+/-0.060 χ^2/NDF: 2544773.4/33

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -58.145+/-13.194 χ^2/NDF:42.6/15

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

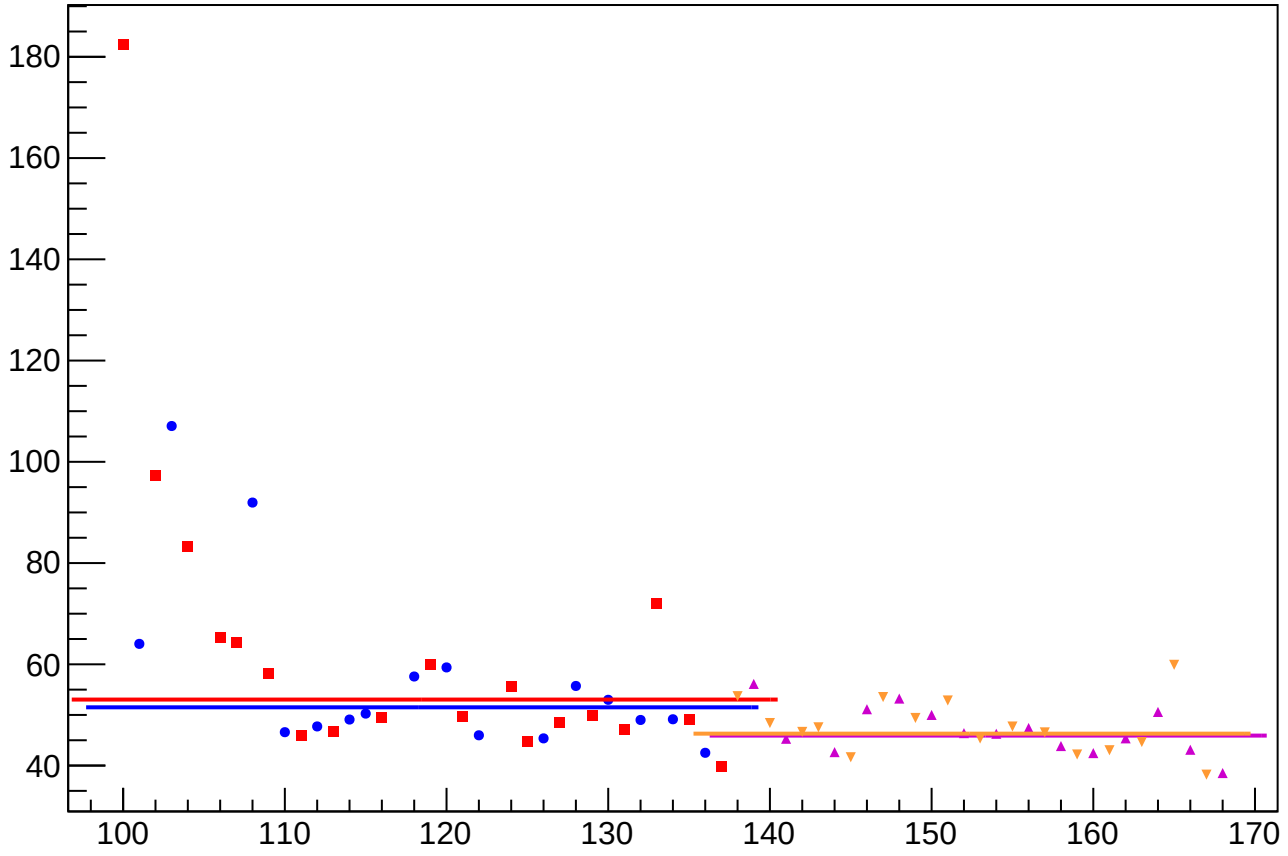
Left In: 9.572+/-13.249 χ^2/NDF:11.6/14

+ sign -36.262+/-10.988 χ^2/NDF: 68.8/31

All: -23.864+/-7.803 χ^2/NDF: 107.3/65

- sign -11.248+/-11.084 χ^2/NDF: 35.9/33

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 46.303+/-0.009 χ^2/NDF:277946.0/15

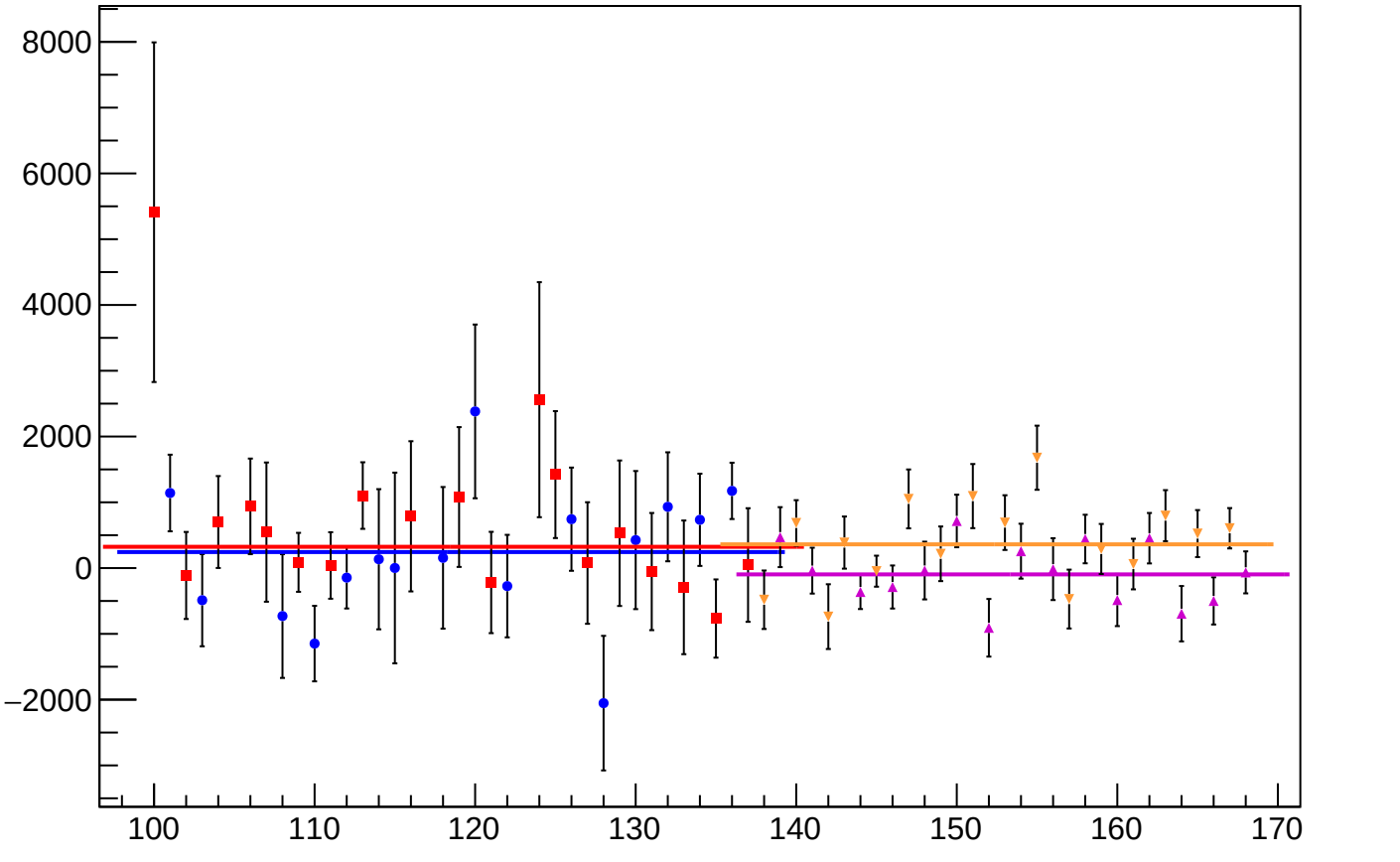
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 45.921+/-0.009 χ^2/NDF:220478.3/14

+ sign 47.898+/-0.008 χ^2/NDF: 1040291.0/31

All: 47.976+/-0.006 χ^2/NDF: 2147058.0/65

- sign 48.056+/-0.008 χ^2/NDF: 1106559.7/33



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 360.979+/-95.092 χ^2/NDF:31.4/15

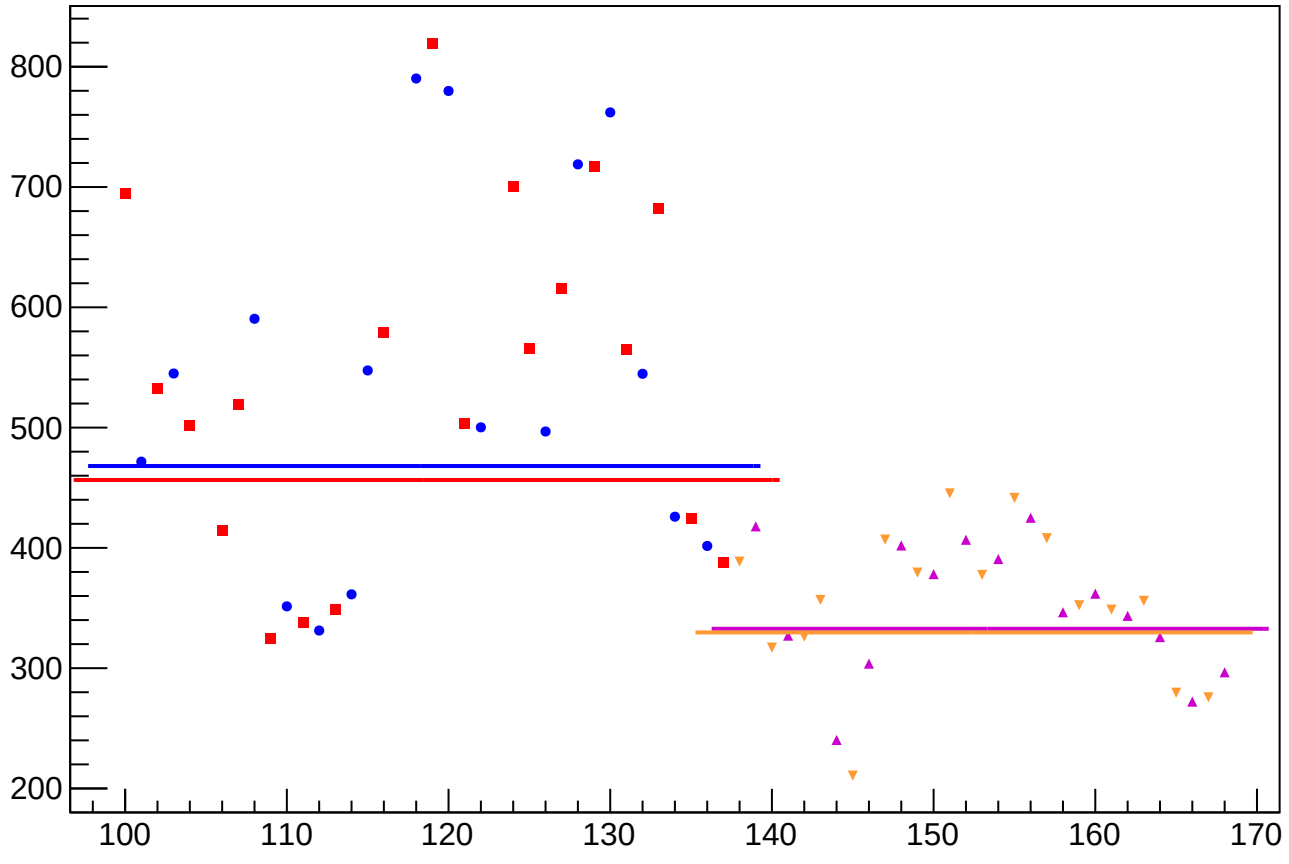
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -95.883+/-96.305 χ^2/NDF:19.7/14

\+ sign 335.610+/-84.169 χ^2/NDF: 57.3/31

All: 169.308+/-59.534 χ^2/NDF: 105.7/65

\- sign 2.812+/-84.218 χ^2/NDF: 40.7/33



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 329.732+/-0.067 χ^2/NDF:1072307.2/15

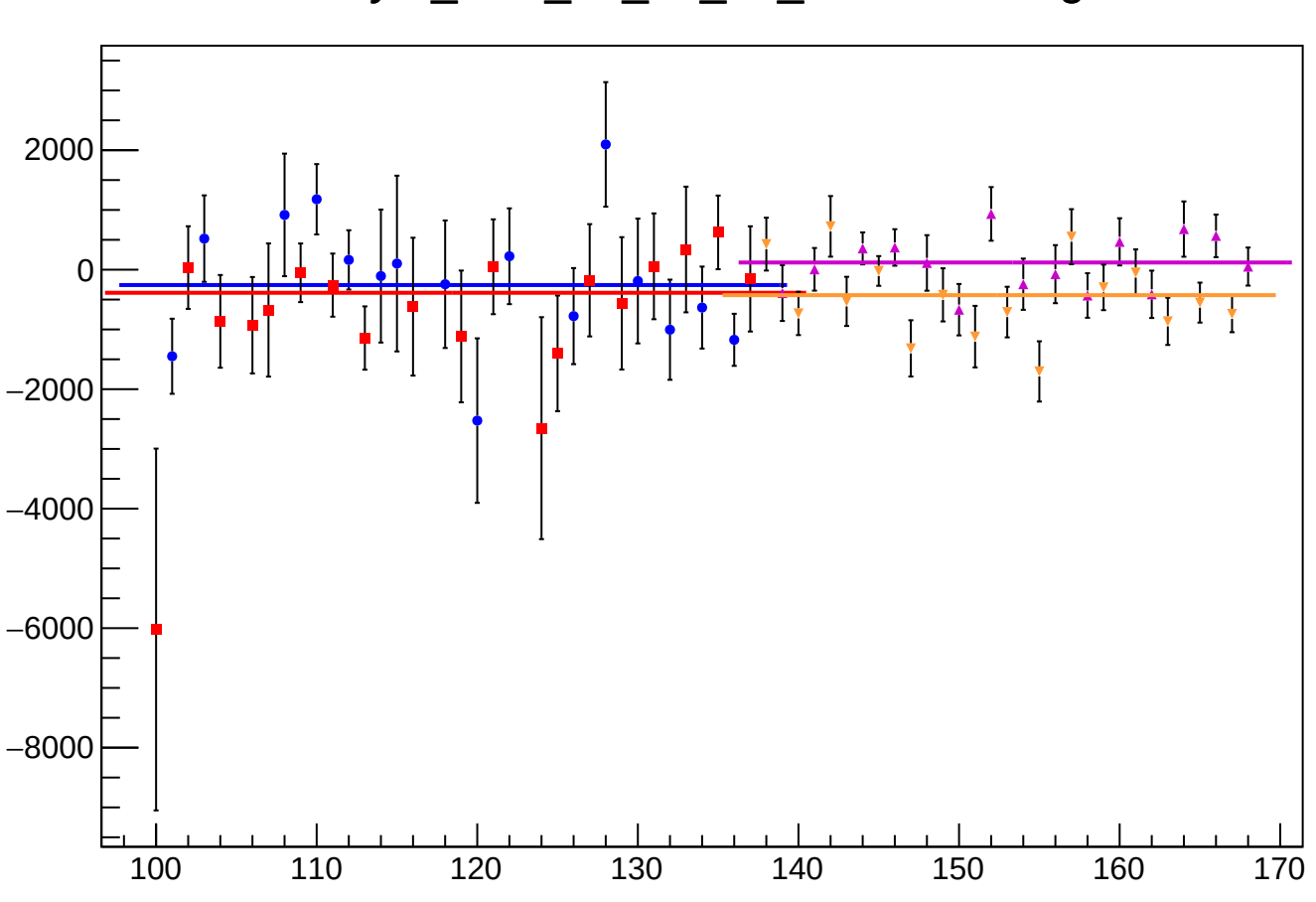
Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 332.753+/-0.068 χ^2/NDF:685724.3/14

+ sign 359.688+/-0.060 χ^2/NDF: 2971756.7/31

All: 360.773+/-0.042 χ^2/NDF: 5517181.7/65

- sign 361.858+/-0.060 χ^2/NDF: 2544760.7/33



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -426.260+/-97.258 χ^2/NDF:32.5/15

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

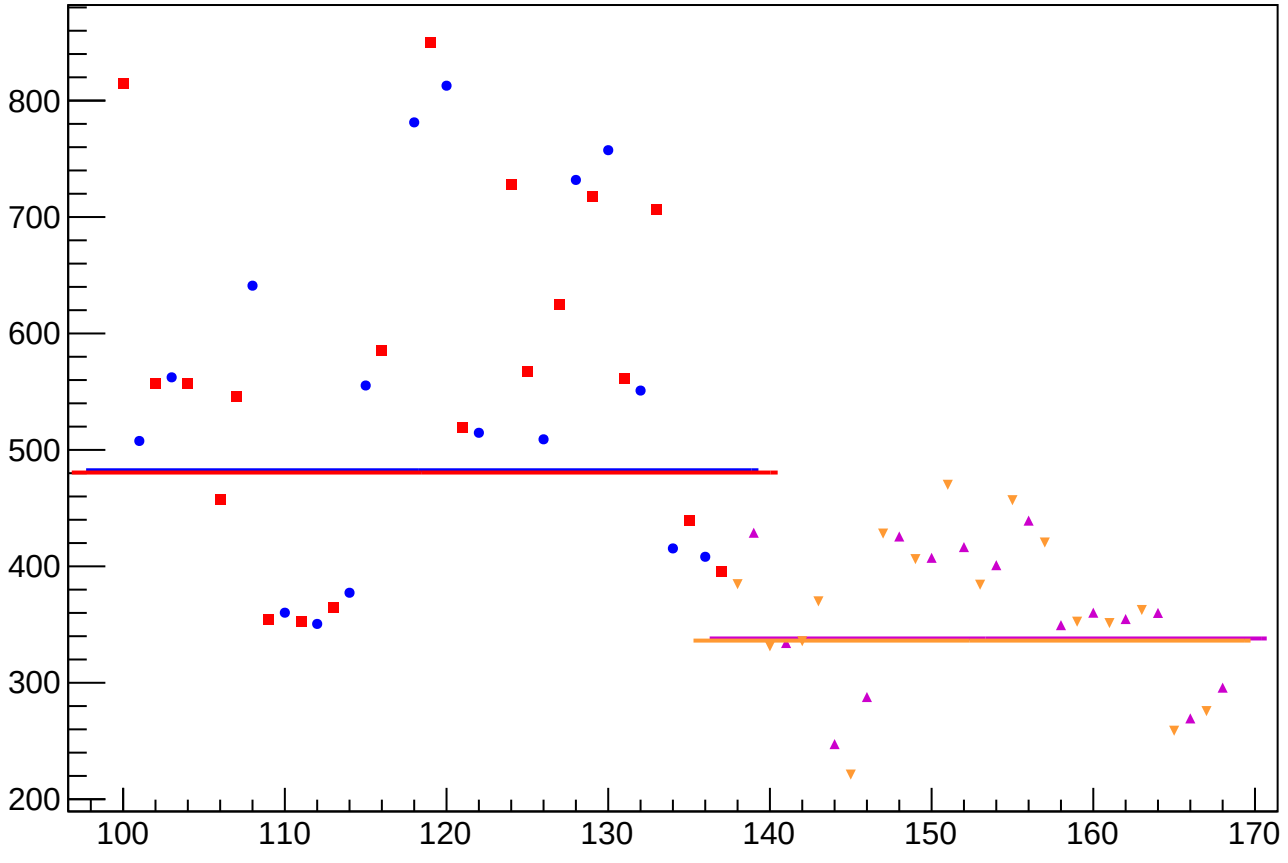
Left In: 120.106+/-98.006 χ^2/NDF:18.1/14

+ sign -390.005+/-86.233 χ^2/NDF: 60.1/31

All: -191.931+/-61.010 χ^2/NDF: 109.0/65

- sign 6.587+/-86.329 χ^2/NDF: 38.3/33

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 336.235+/-0.069 χ^2/NDF:1133841.3/15

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

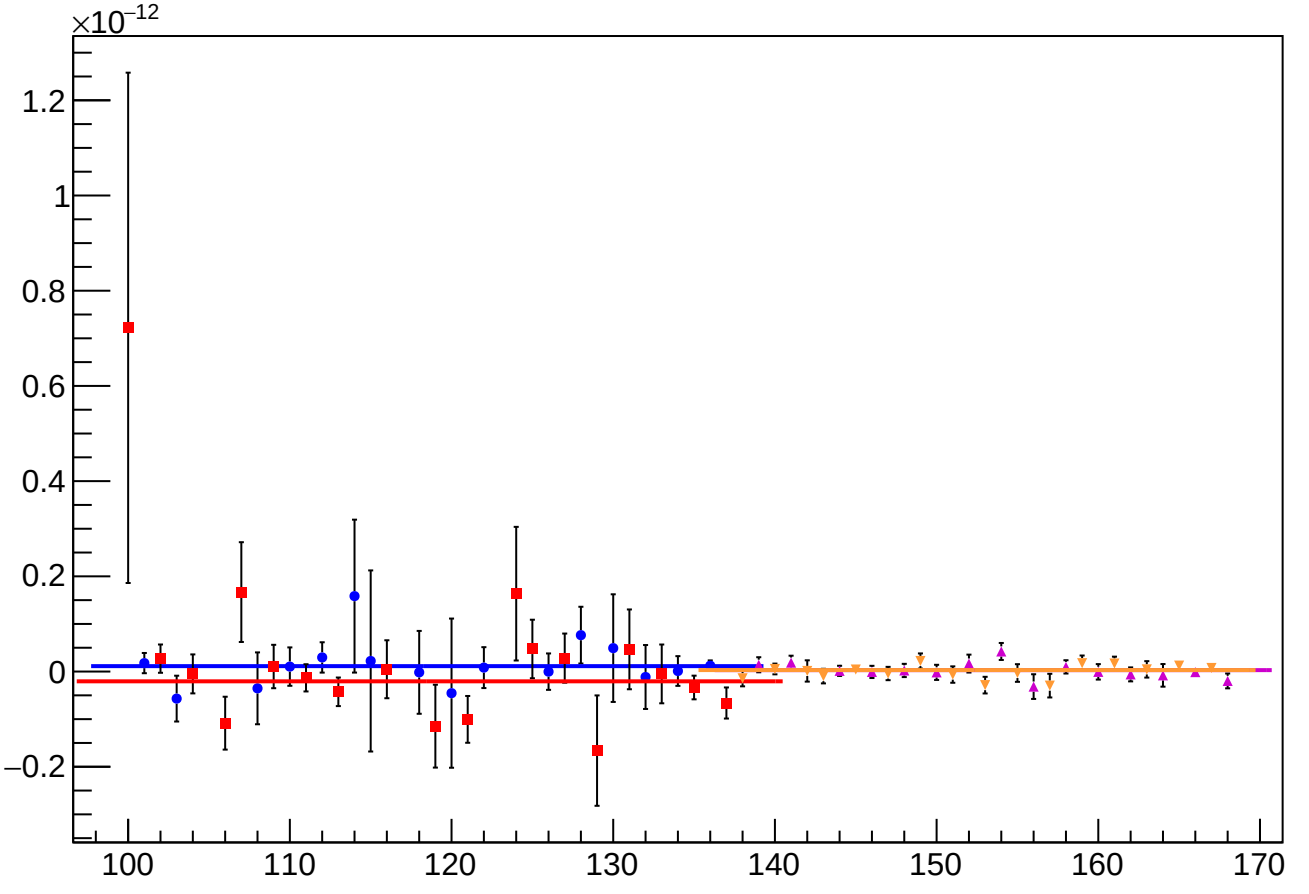
Left In: 338.053+/-0.069 χ^2/NDF:798625.8/14

+ sign 367.520+/-0.061 χ^2/NDF: 3047966.5/31

All: 368.753+/-0.043 χ^2/NDF: 5788813.7/65

- sign 369.989+/-0.061 χ^2/NDF: 2740028.5/33

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

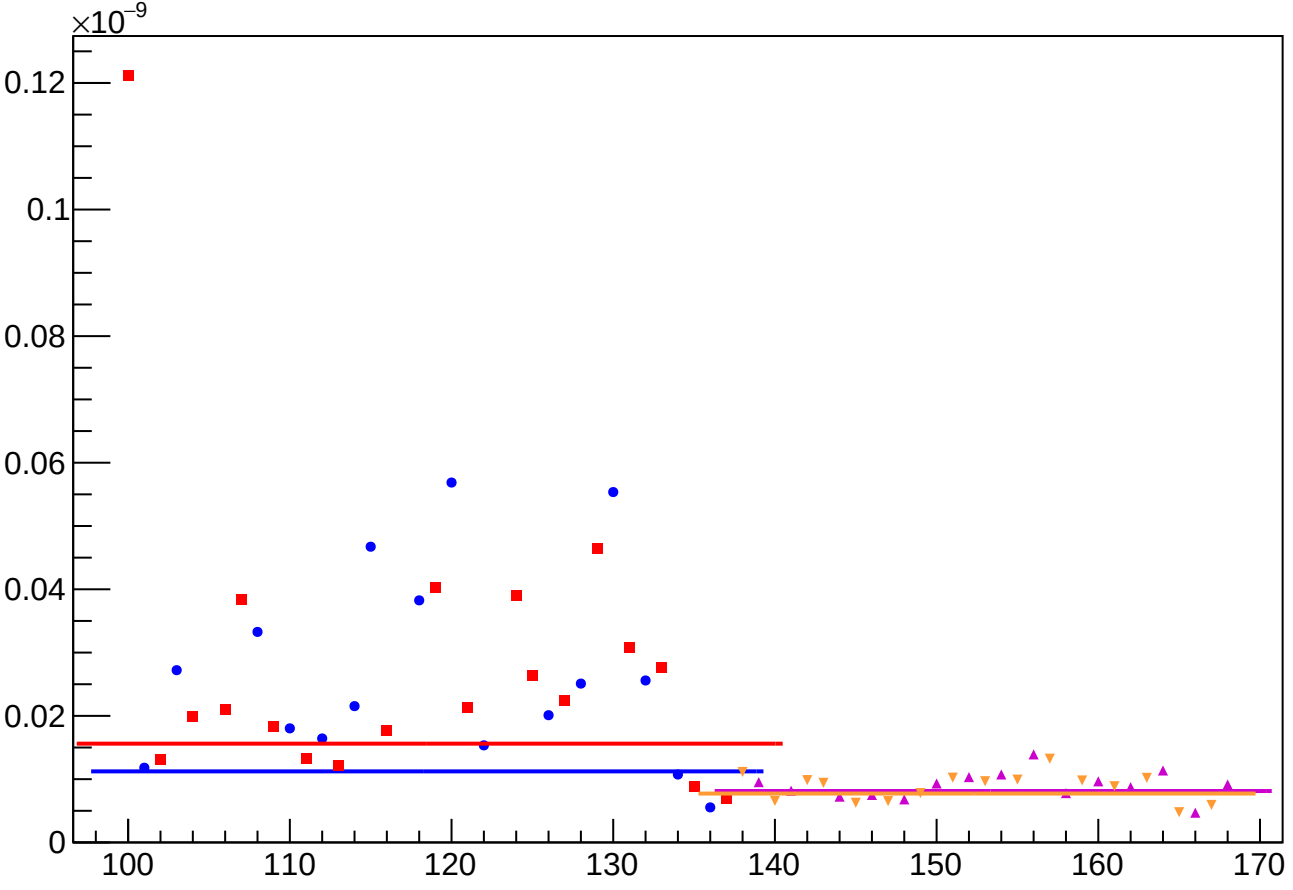
Left In: 0.000+/-0.000 χ^2/NDF:12.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 17.9/31

All: 0.000+/-0.000 χ^2/NDF: 59.2/65

- sign 0.000+/-0.000 χ^2/NDF: 40.5/33

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:706572.8/15

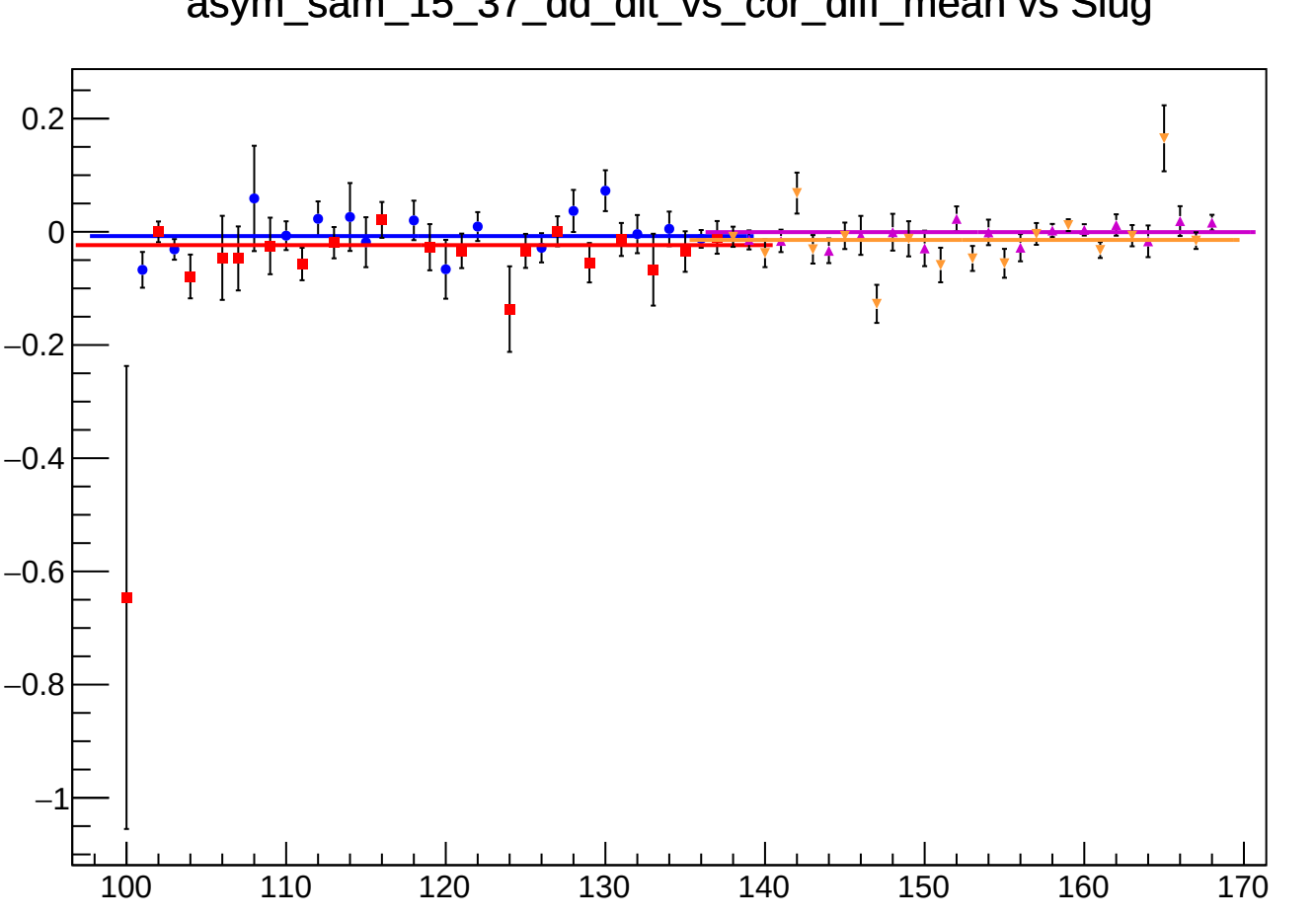
Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:522787.9/14

+ sign 0.000+/-0.000 χ^2/NDF: 3131043.1/31

All: 0.000+/-0.000 χ^2/NDF: 5819975.5/65

- sign 0.000+/-0.000 χ^2/NDF: 2643219.2/33



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/15

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

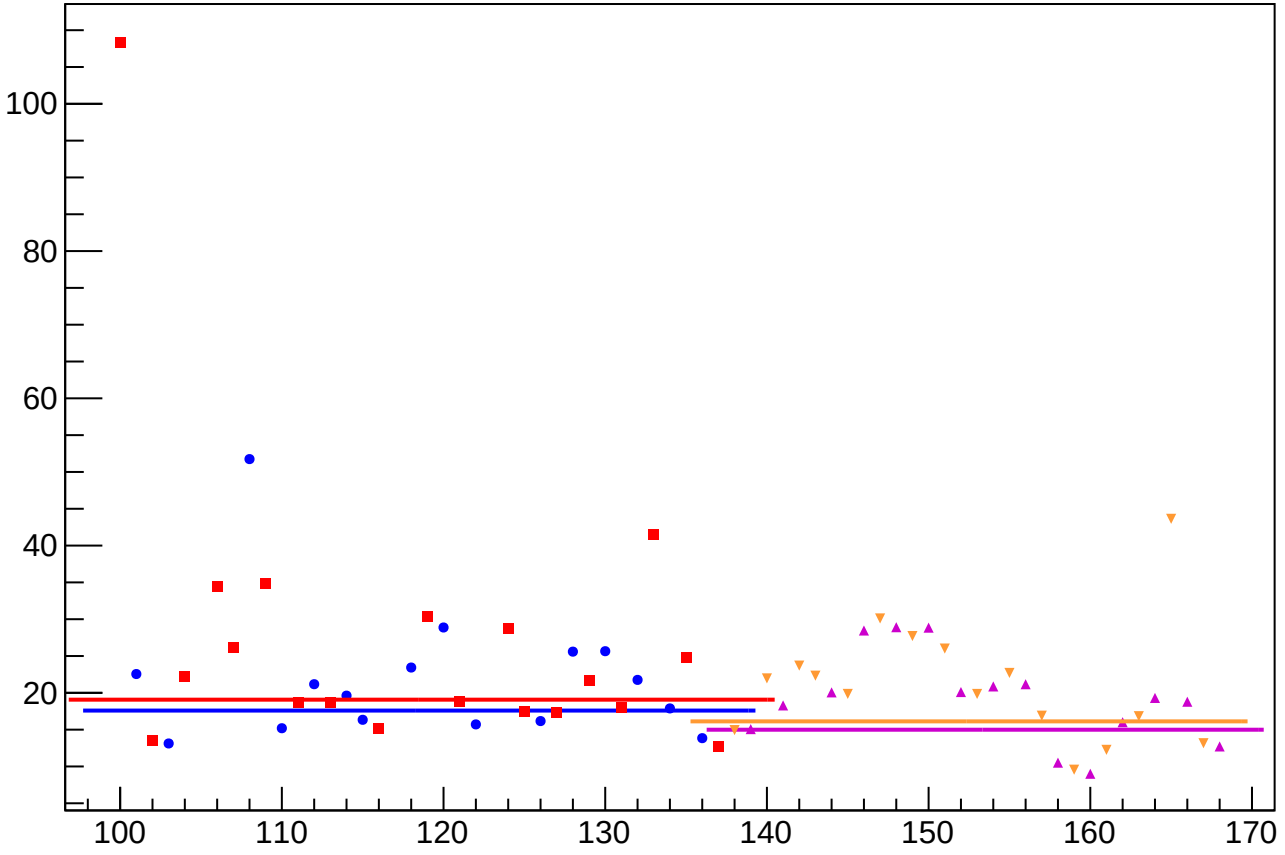
Left In: -0.001+/-0.005 χ^2/NDF:9.9/14

+ sign -0.012+/-0.004 χ^2/NDF: 60.0/31

All: -0.009+/-0.003 χ^2/NDF: 91.8/65

- sign -0.007+/-0.004 χ^2/NDF: 31.0/33

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: 16.125+/-0.004 χ^2/NDF:2869946.5/15

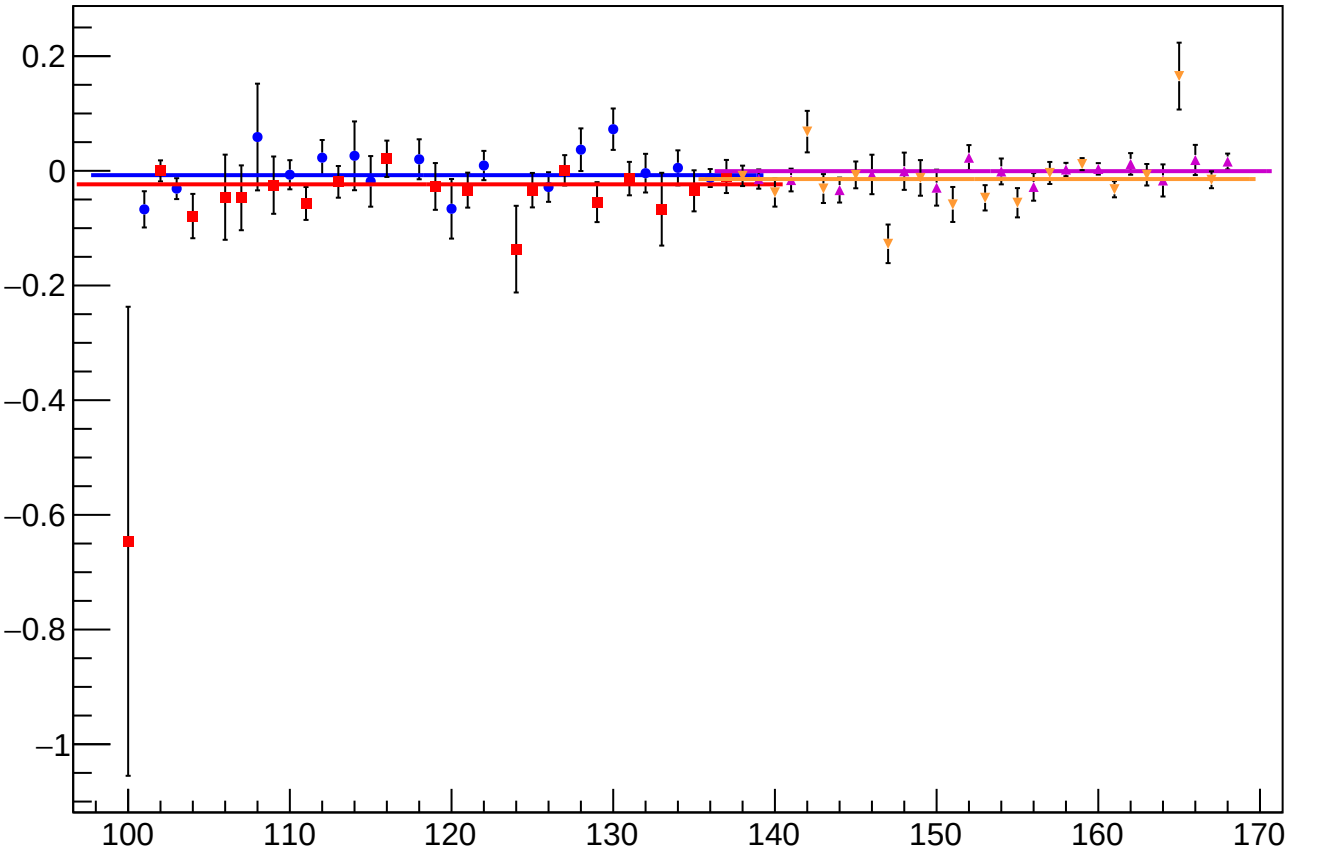
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.990+/-0.003 χ^2/NDF:2765076.7/14

+ sign 16.601+/-0.003 χ^2/NDF: 3919193.0/31

All: 16.344+/-0.002 χ^2/NDF: 8353020.6/65

- sign 16.095+/-0.003 χ^2/NDF: 4418340.8/33



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/15

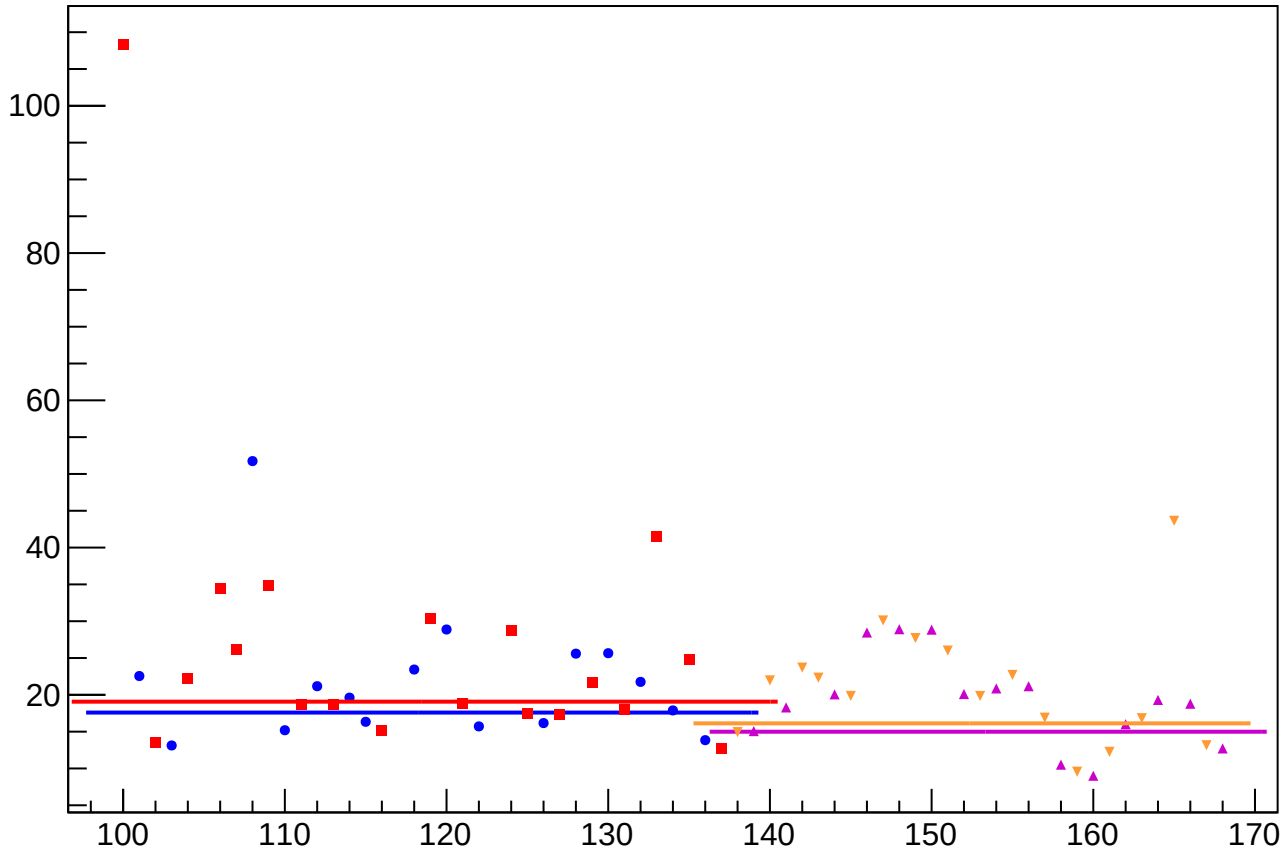
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.005 χ^2/NDF:9.9/14

+ sign -0.012+/-0.004 χ^2/NDF: 60.0/31

All: -0.009+/-0.003 χ^2/NDF: 91.8/65

- sign -0.007+/-0.004 χ^2/NDF: 31.0/33



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.125+/-0.004 χ^2/NDF:2869946.5/15

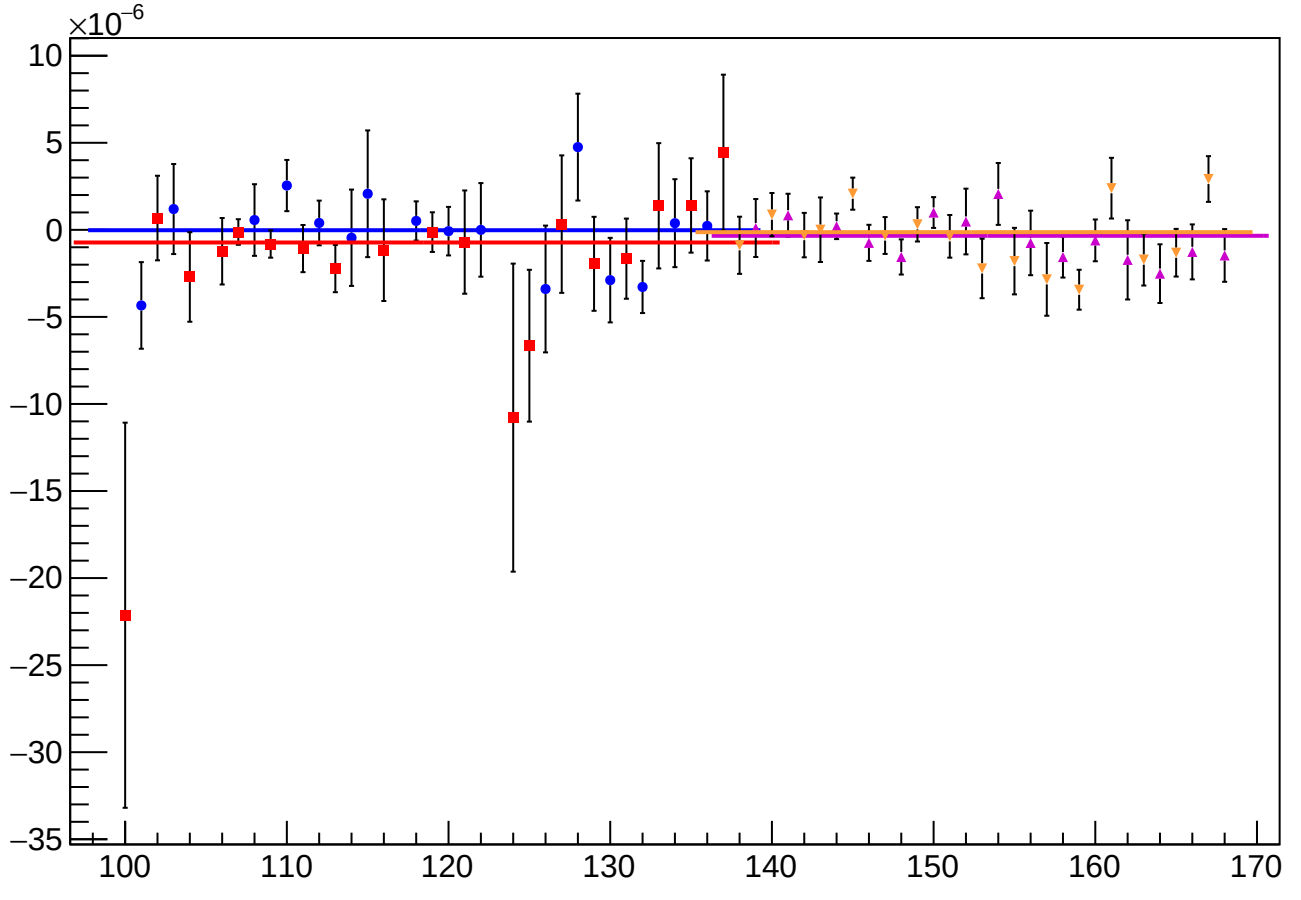
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.990+/-0.003 χ^2/NDF:2765076.7/14

+ sign 16.601+/-0.003 χ^2/NDF: 3919193.0/31

All: 16.344+/-0.002 χ^2/NDF: 8353020.6/65

- sign 16.095+/-0.003 χ^2/NDF: 4418340.8/33



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

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/15

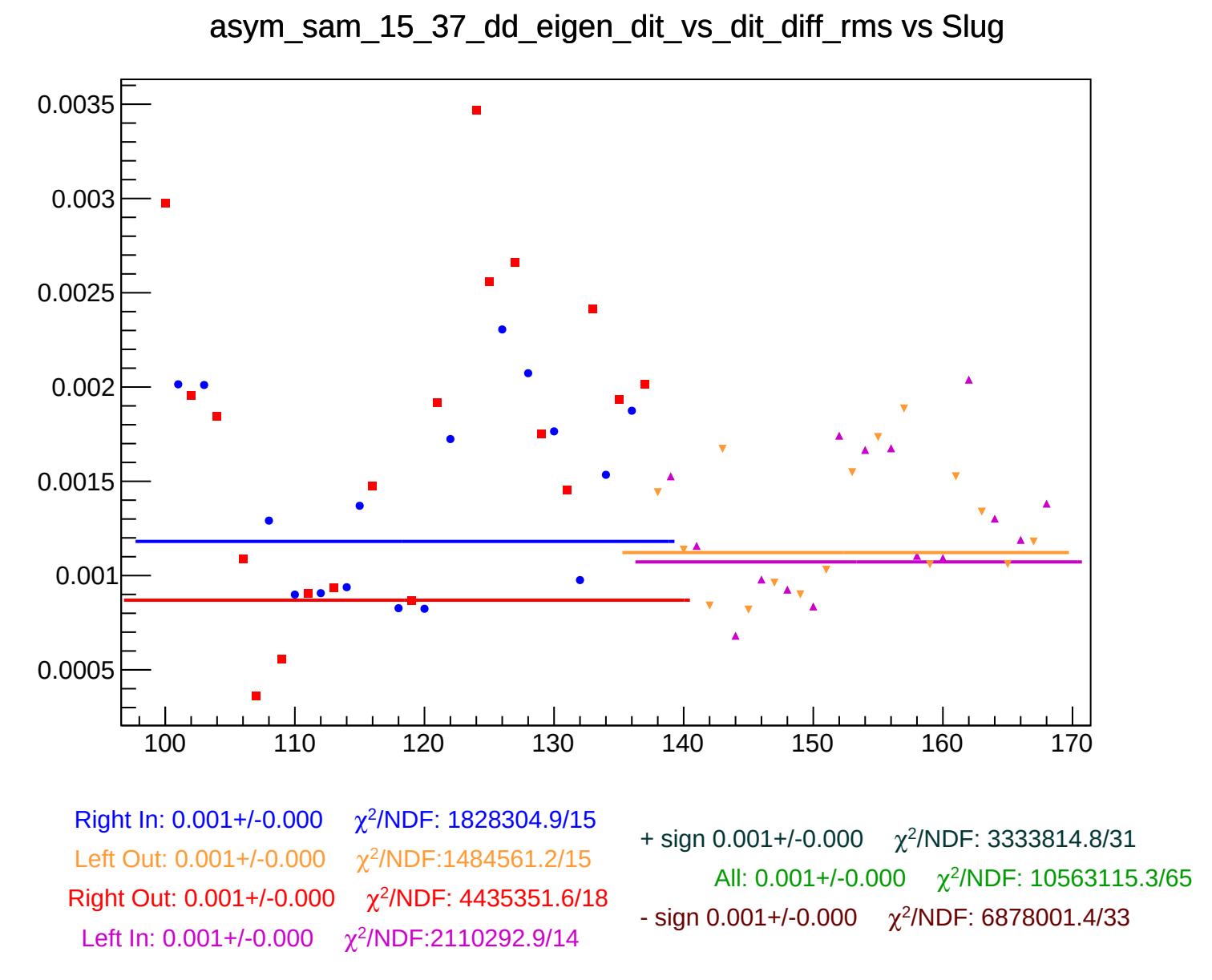
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

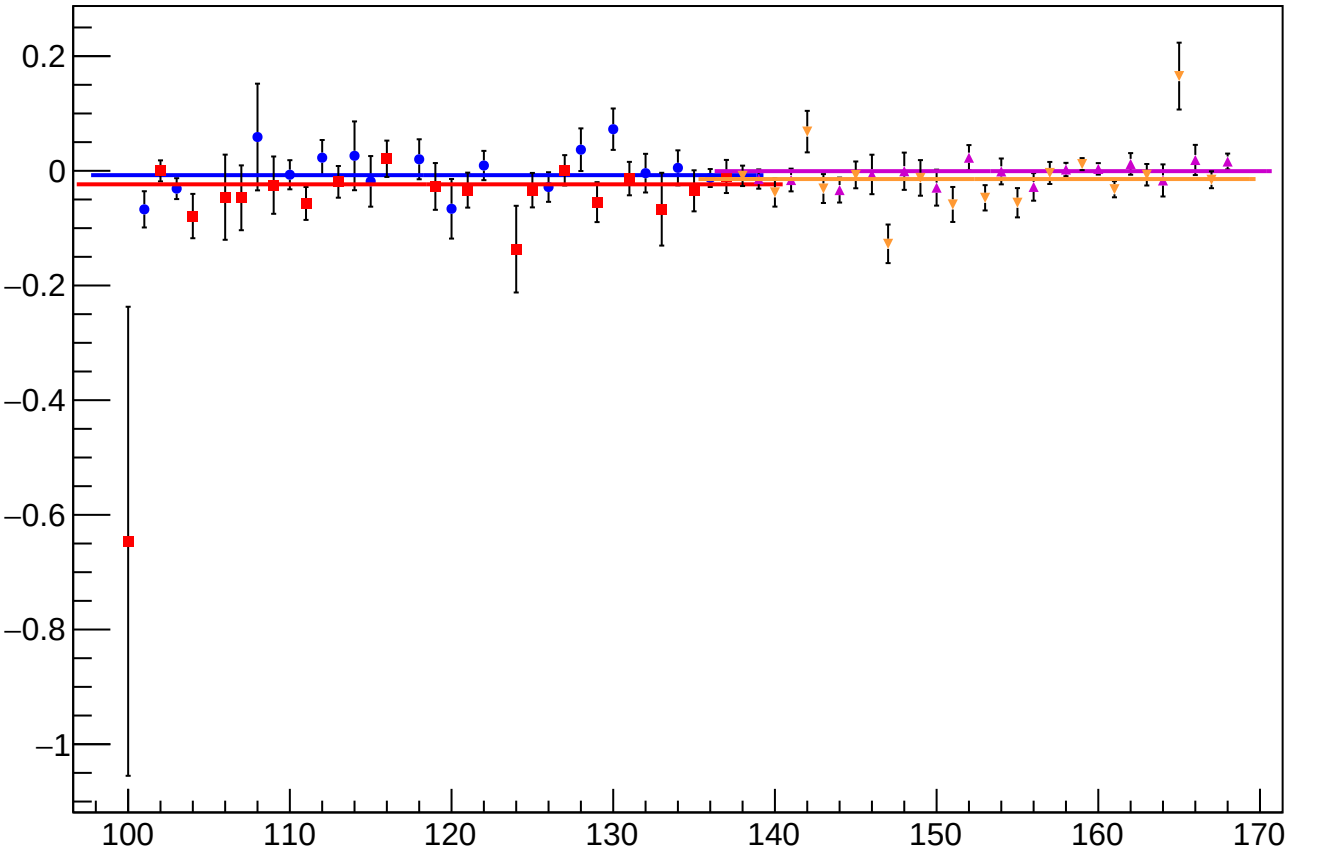
Left In: -0.000+/-0.000 χ^2/NDF:11.5/14

+ sign -0.000+/-0.000 χ^2/NDF: 45.1/31

All: -0.000+/-0.000 χ^2/NDF: 71.3/65

- sign -0.000+/-0.000 χ^2/NDF: 25.0/33


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:1484561.2/15
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:2110292.9/14
+ sign 0.001+/-0.000 χ²/NDF: 3333814.8/31
All: 0.001+/-0.000 χ²/NDF: 10563115.3/65
- sign 0.001+/-0.000 χ²/NDF: 6878001.4/33



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/15

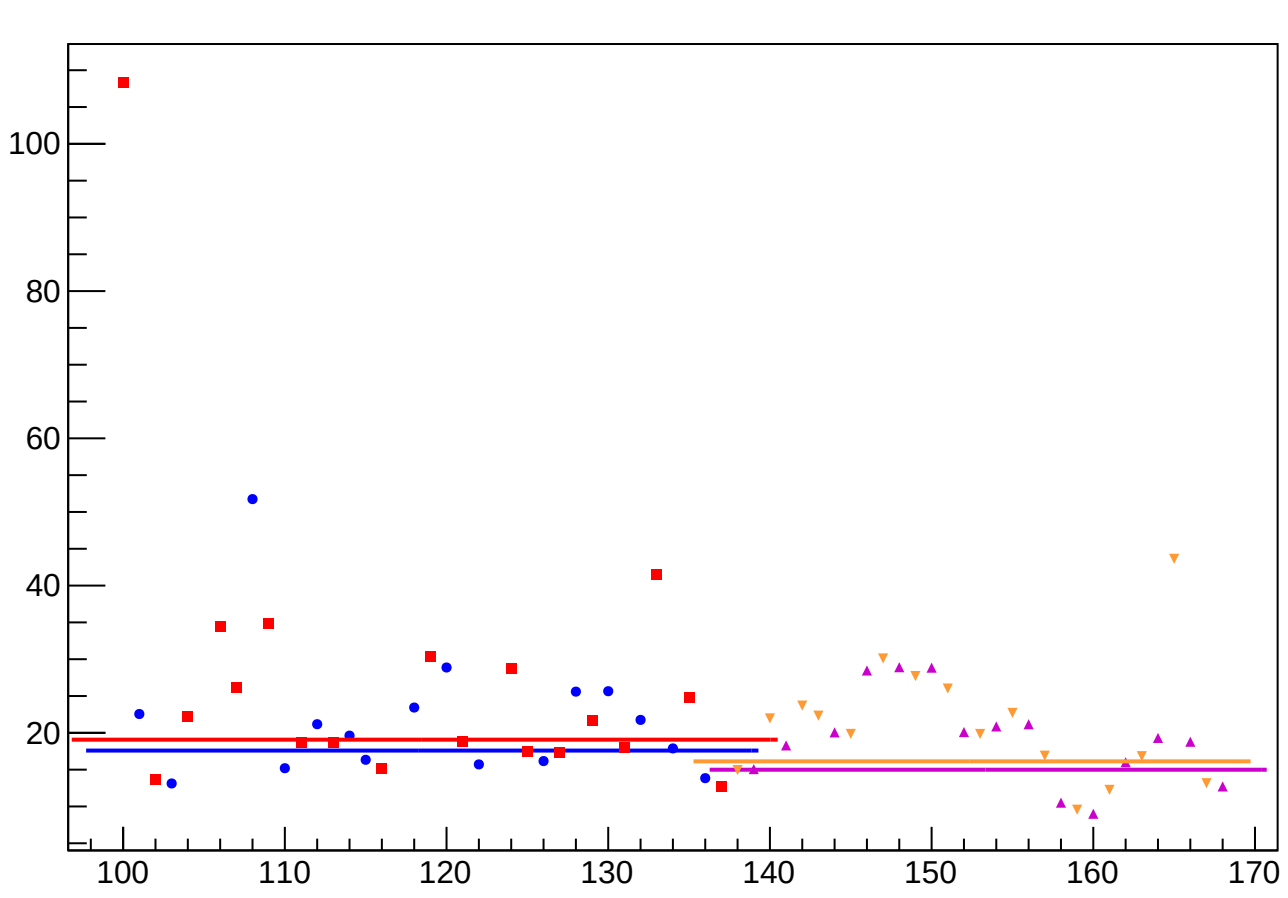
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.005 χ^2/NDF:9.9/14

+ sign -0.012+/-0.004 χ^2/NDF: 60.0/31

All: -0.009+/-0.003 χ^2/NDF: 91.8/65

- sign -0.007+/-0.004 χ^2/NDF: 31.0/33



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.125+/-0.004 χ^2/NDF:2870242.1/15

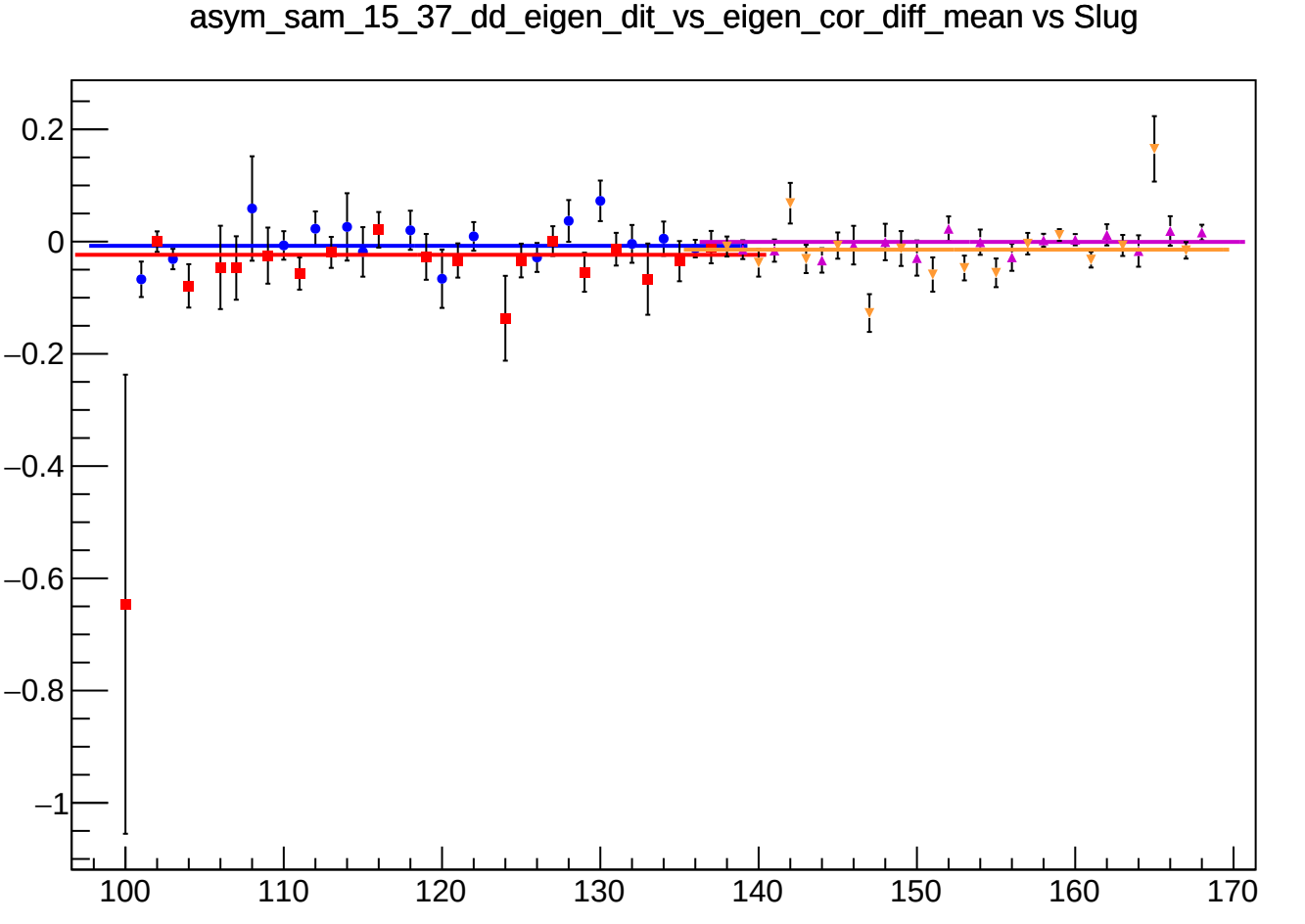
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

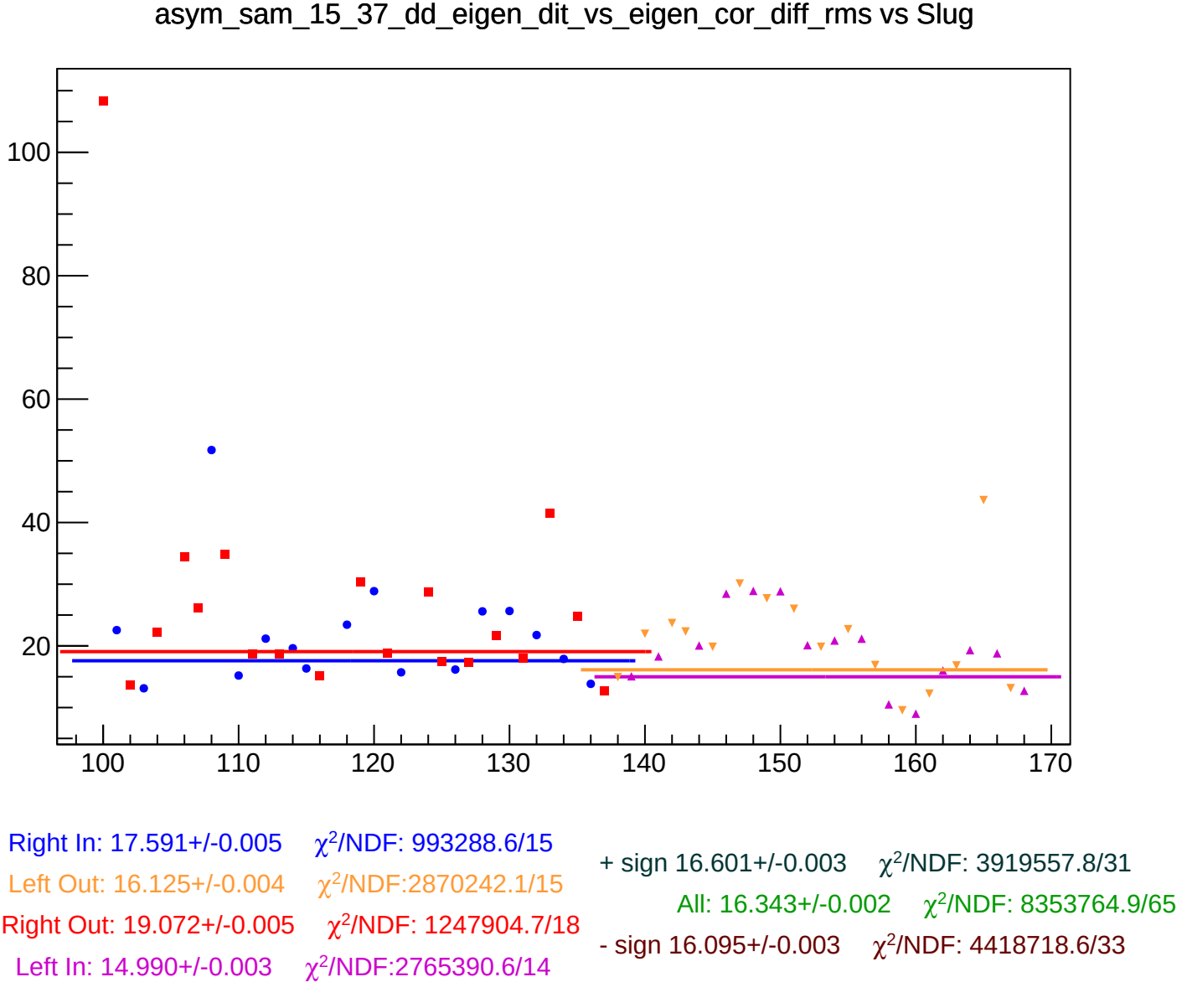
Left In: 14.990+/-0.003 χ^2/NDF:2765390.6/14

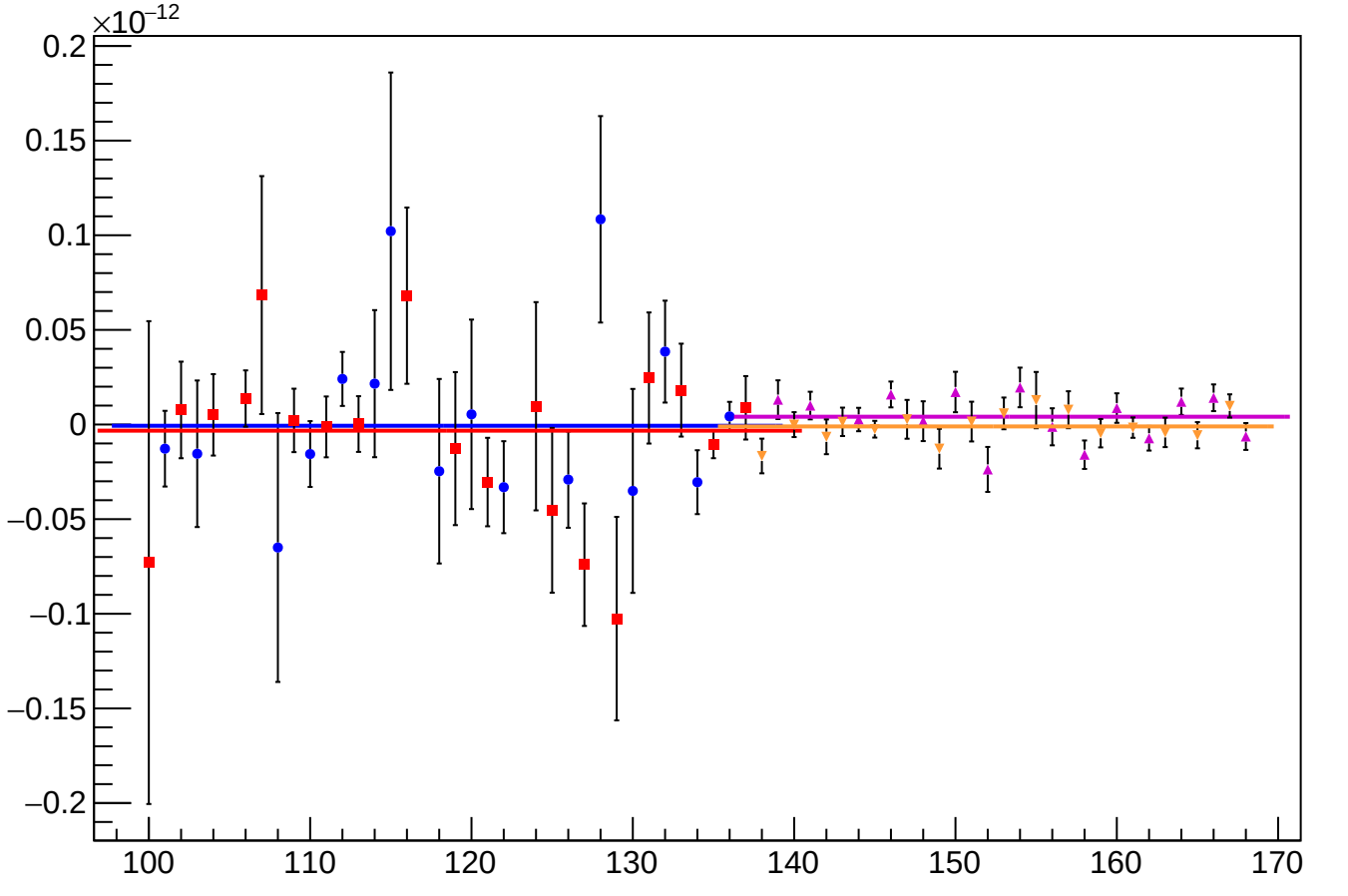
+ sign 16.601+/-0.003 χ^2/NDF: 3919557.8/31

All: 16.343+/-0.002 χ^2/NDF: 8353764.9/65

- sign 16.095+/-0.003 χ^2/NDF: 4418718.6/33


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: -0.014+/-0.005 χ²/NDF:42.7/15
Right Out: -0.024+/-0.008 χ²/NDF: 14.6/18
Left In: -0.001+/-0.005 χ²/NDF:9.9/14
+ sign -0.012+/-0.004 χ²/NDF: 60.0/31
All: -0.009+/-0.003 χ²/NDF: 91.8/65
- sign -0.007+/-0.004 χ²/NDF: 31.0/33


asym_sam_15_37_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: 17.591+/-0.005 χ²/NDF: 993288.6/15
Left Out: 16.125+/-0.004 χ²/NDF:2870242.1/15
Right Out: 19.072+/-0.005 χ²/NDF: 1247904.7/18
Left In: 14.990+/-0.003 χ²/NDF:2765390.6/14
+ sign 16.601+/-0.003 χ²/NDF: 3919557.8/31
All: 16.343+/-0.002 χ²/NDF: 8353764.9/65
- sign 16.095+/-0.003 χ²/NDF: 4418718.6/33



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/15

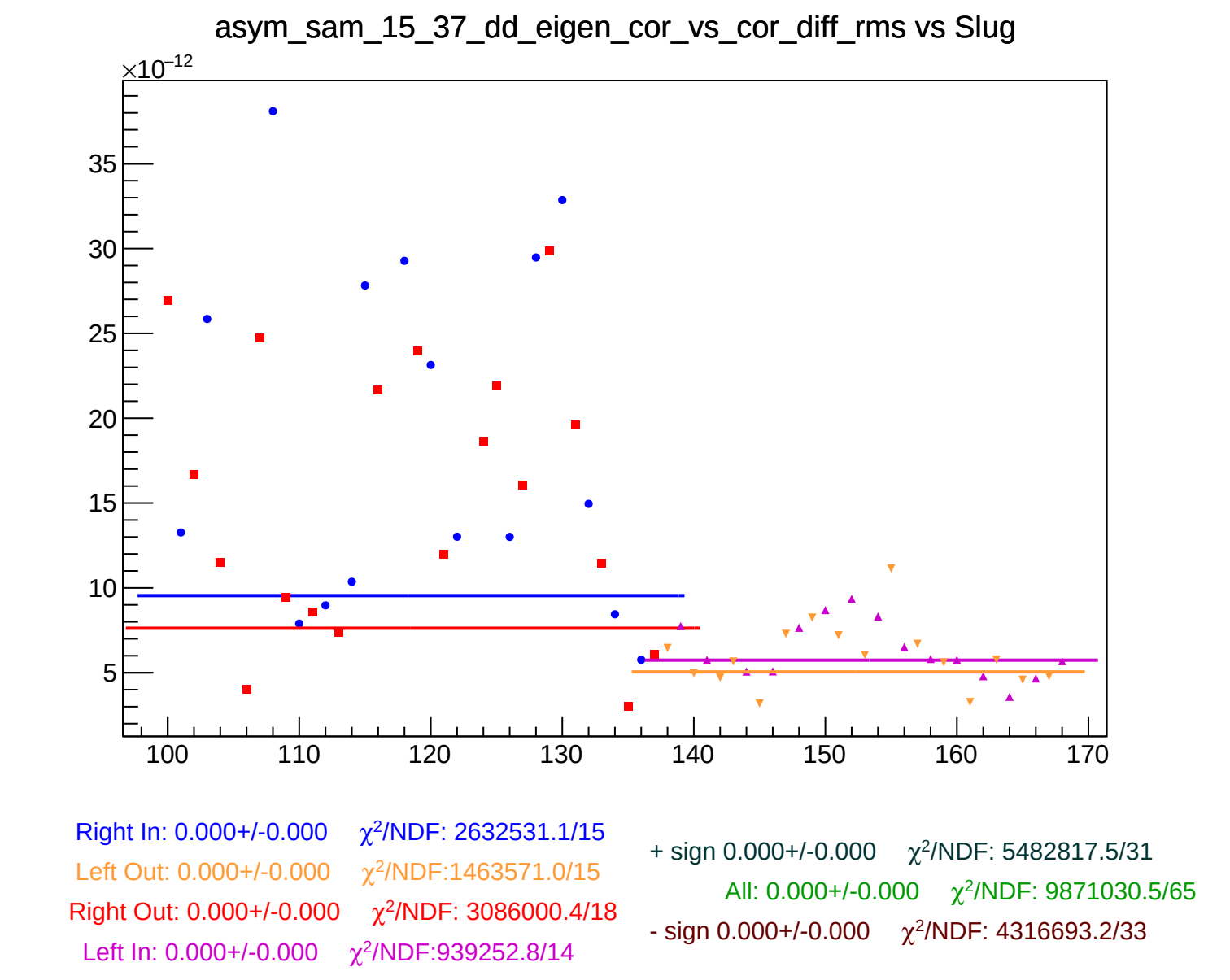
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:30.0/14

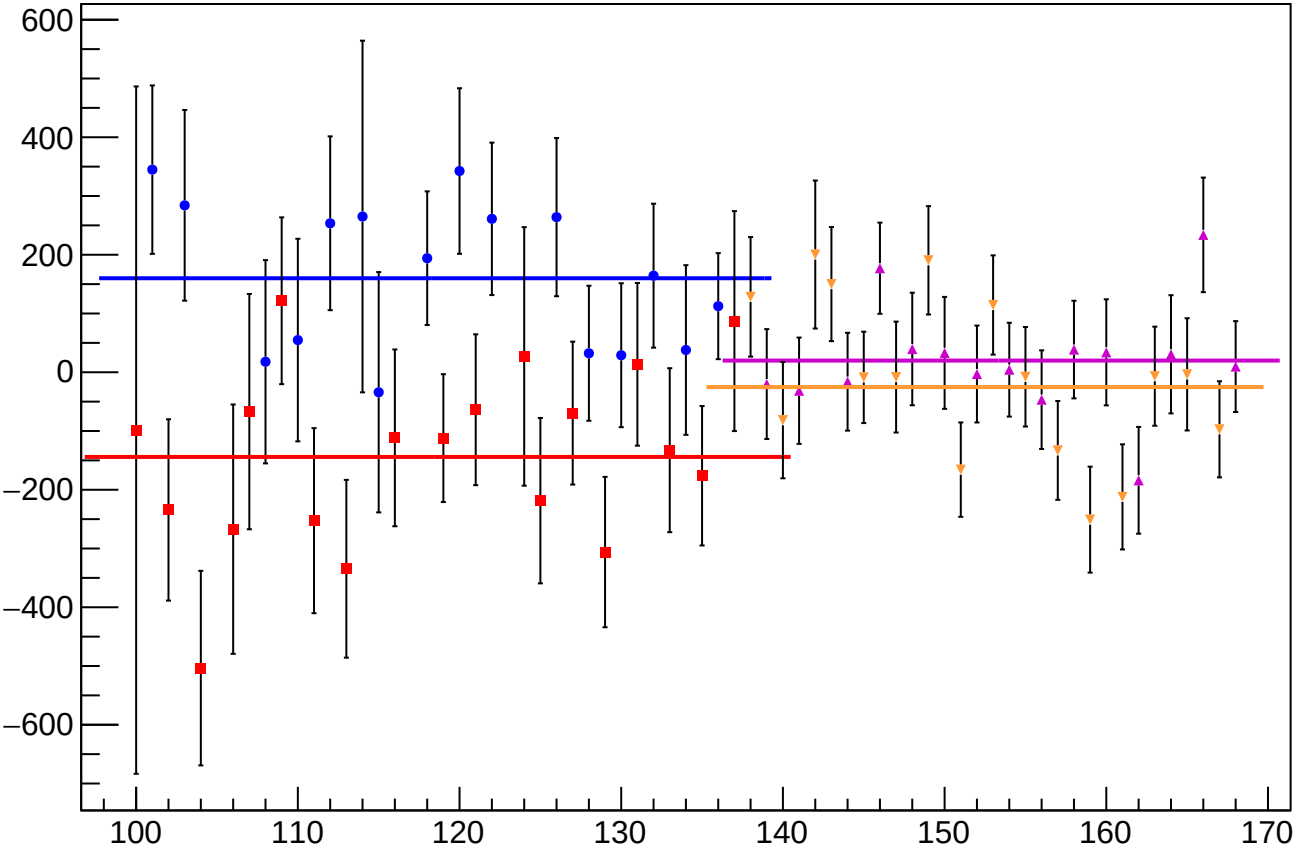
+ sign -0.000+/-0.000 χ^2/NDF: 31.6/31

All: 0.000+/-0.000 χ^2/NDF: 85.2/65

- sign 0.000+/-0.000 χ^2/NDF: 51.4/33


asym_sam_15_37_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: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1463571.0/15
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:939252.8/14
+ sign 0.000+/-0.000 χ²/NDF: 5482817.5/31
All: 0.000+/-0.000 χ²/NDF: 9871030.5/65
- sign 0.000+/-0.000 χ²/NDF: 4316693.2/33

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -25.207+/-22.436 χ^2/NDF:33.6/15

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

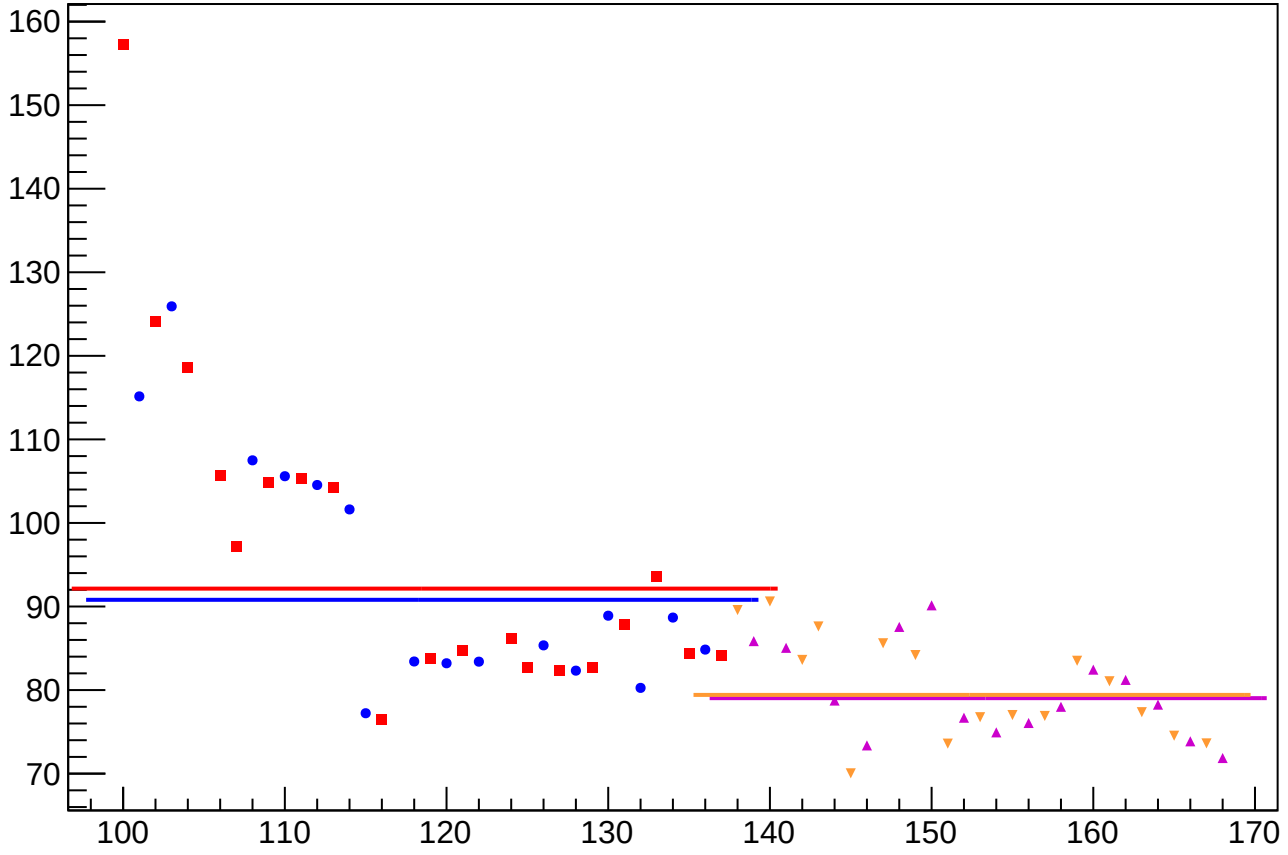
Left In: 19.894+/-22.521 χ^2/NDF:15.5/14

+ sign 30.594+/-18.755 χ^2/NDF: 65.2/31

All: 0.545+/-13.281 χ^2/NDF: 119.3/65

- sign -29.687+/-18.811 χ^2/NDF: 49.0/33

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 79.421+/-0.016 χ^2/NDF:142195.3/15

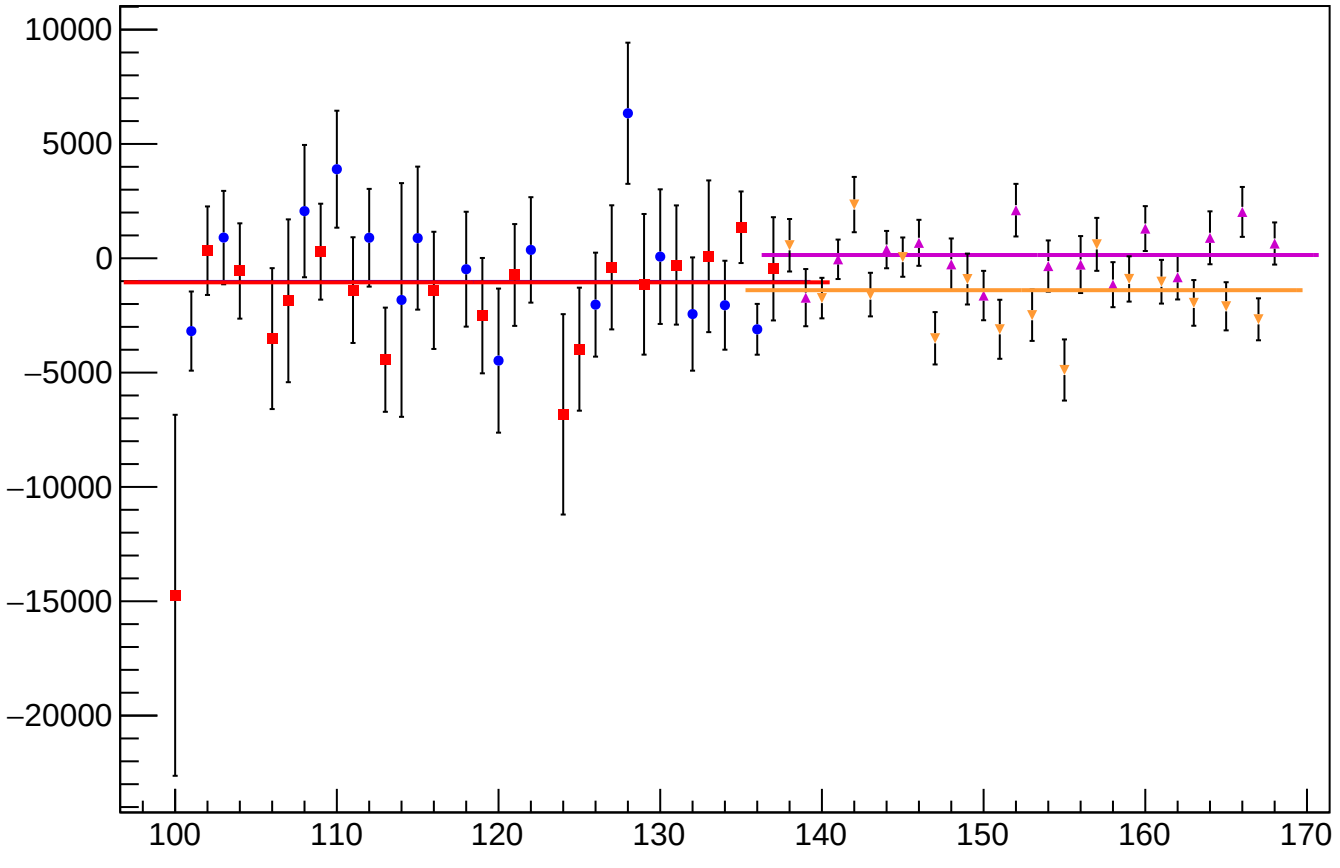
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 79.032+/-0.016 χ^2/NDF:109809.0/14

+ sign 82.849+/-0.013 χ^2/NDF: 569984.3/31

All: 82.922+/-0.009 χ^2/NDF: 1186733.6/65

- sign 82.995+/-0.013 χ^2/NDF: 616689.0/33



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1395.545+/-261.342 χ^2/NDF:34.7/15

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

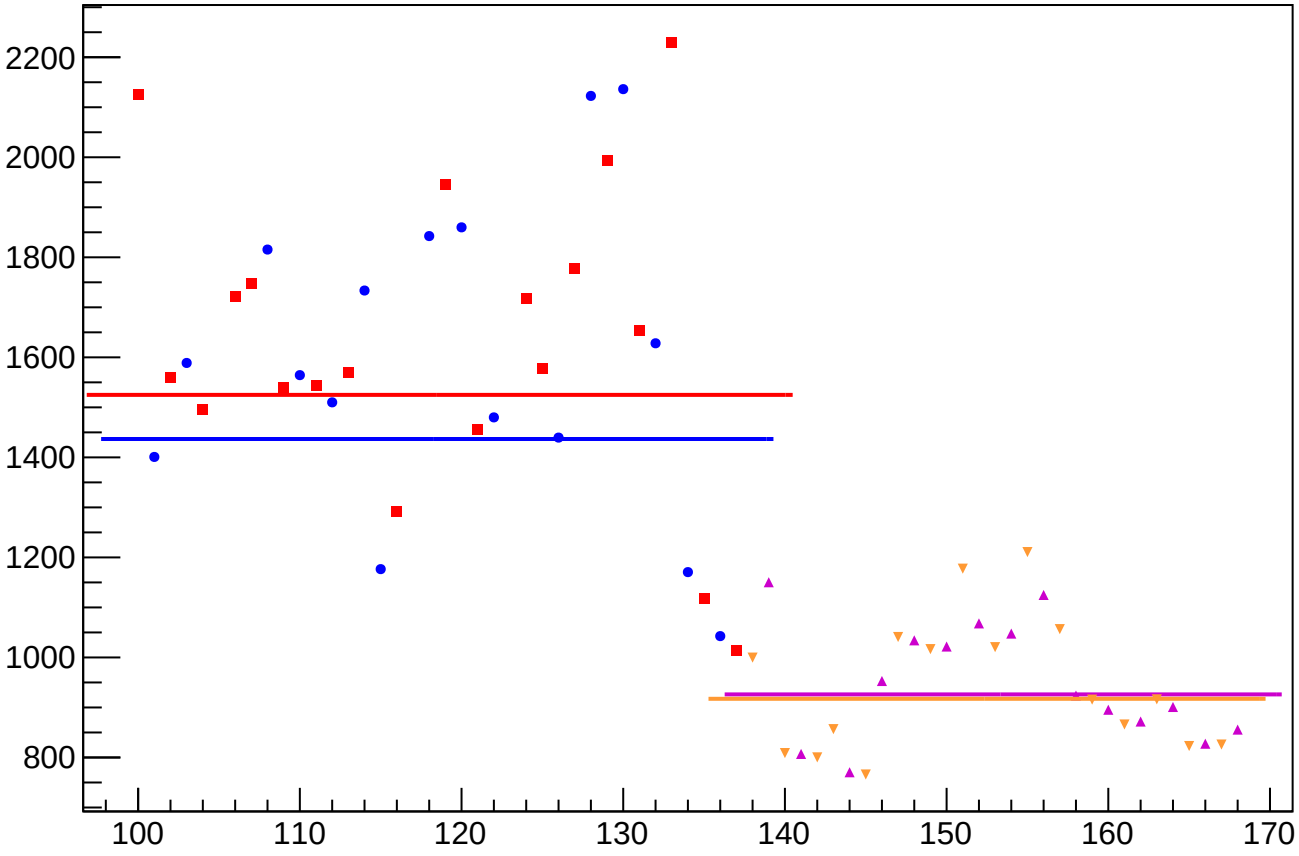
Left In: 143.093+/-265.404 χ^2/NDF:16.5/14

+ sign -1329.180+/-236.066 χ^2/NDF: 55.3/31

All: -711.561+/-168.477 χ^2/NDF: 102.2/65

- sign -70.411+/-240.521 χ^2/NDF: 33.0/33

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 917.334+/-0.185 χ^2/NDF:433359.0/15

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

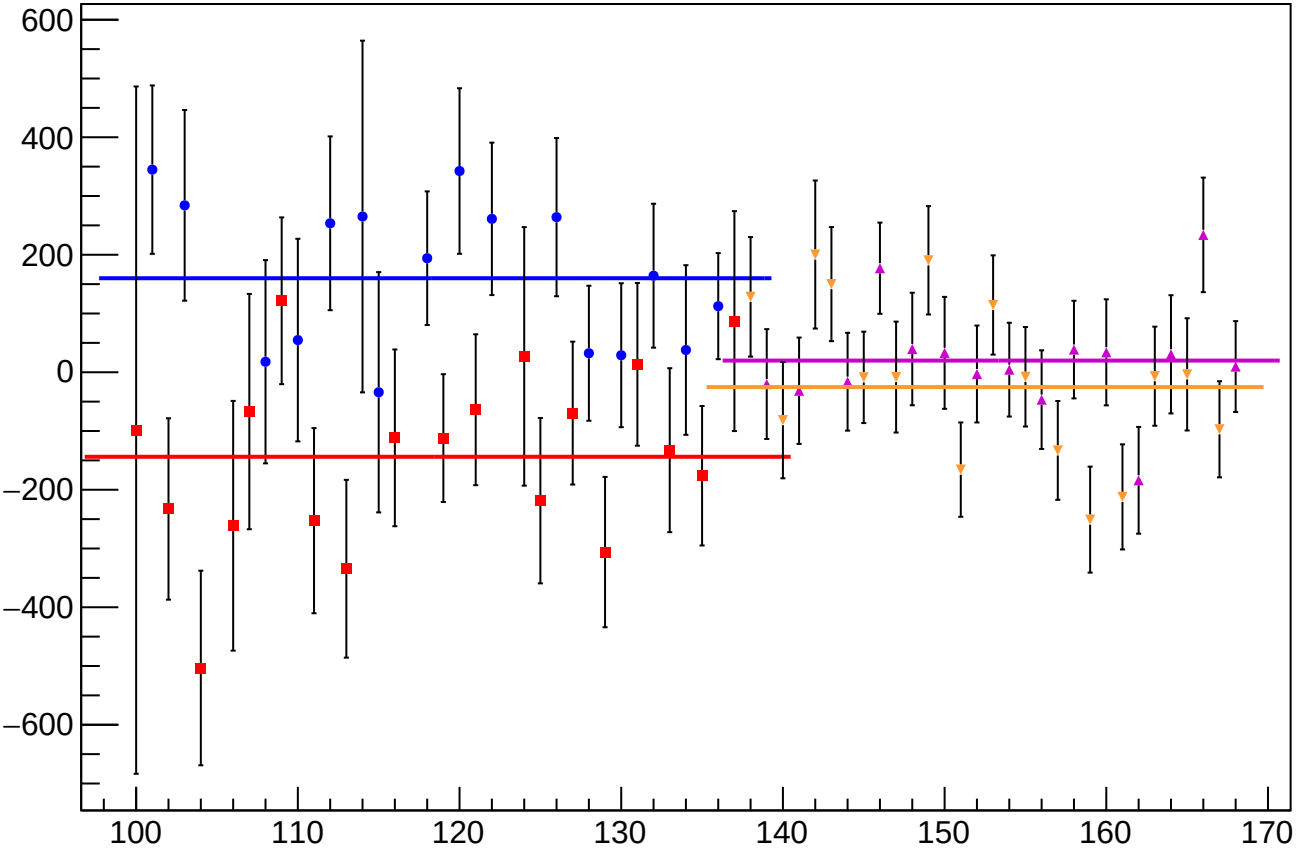
Left In: 926.119+/-0.188 χ^2/NDF:352499.9/14

+ sign 1012.947+/-0.167 χ^2/NDF: 2563245.5/31

All: 1022.857+/-0.119 χ^2/NDF: 5247244.3/65

- sign 1033.144+/-0.170 χ^2/NDF: 2676815.2/33

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -25.203+/-22.436 χ^2/NDF:33.6/15

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

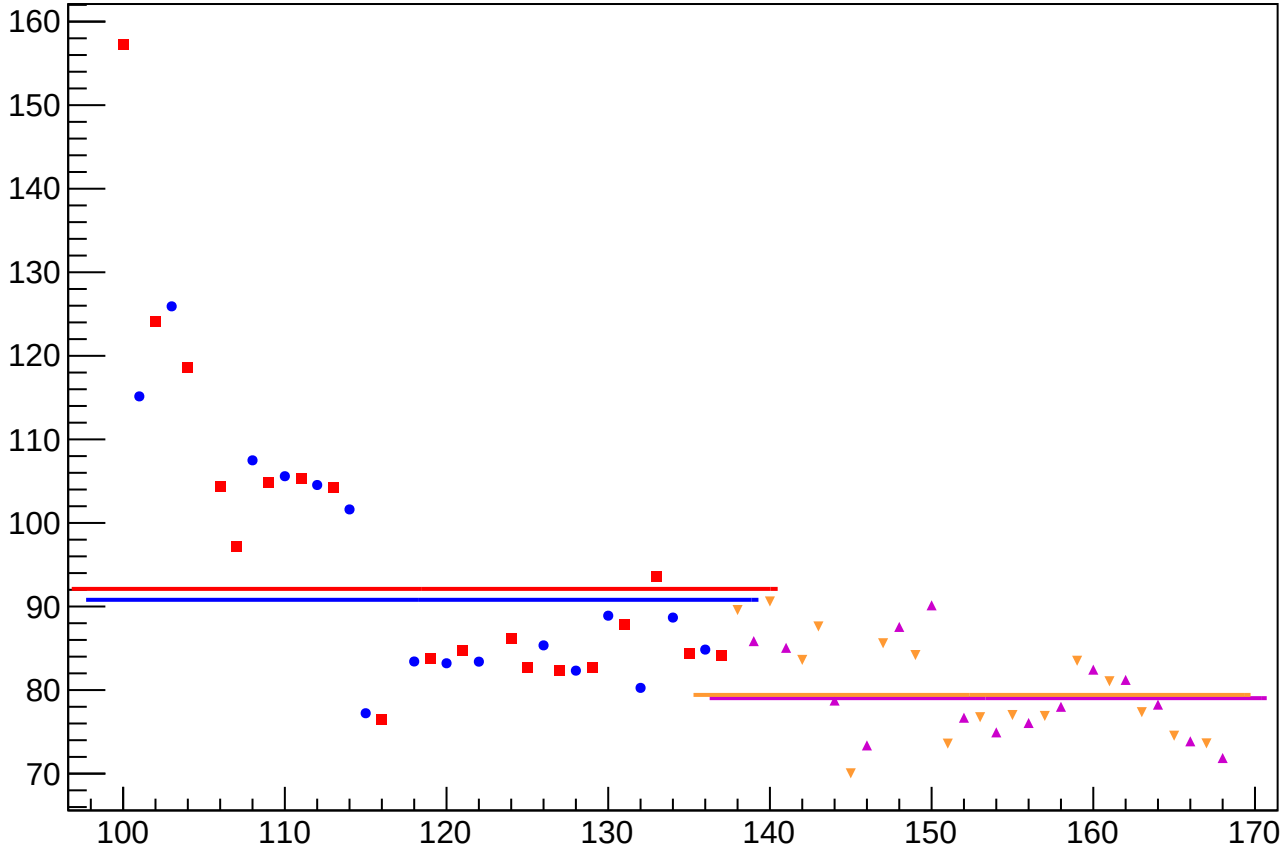
Left In: 19.894+/-22.521 χ^2/NDF:15.5/14

+ sign 30.596+/-18.755 χ^2/NDF: 65.2/31

All: 0.587+/-13.282 χ^2/NDF: 119.2/65

- sign -29.605+/-18.812 χ^2/NDF: 48.9/33

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 79.421+/-0.016 χ^2/NDF:142195.3/15

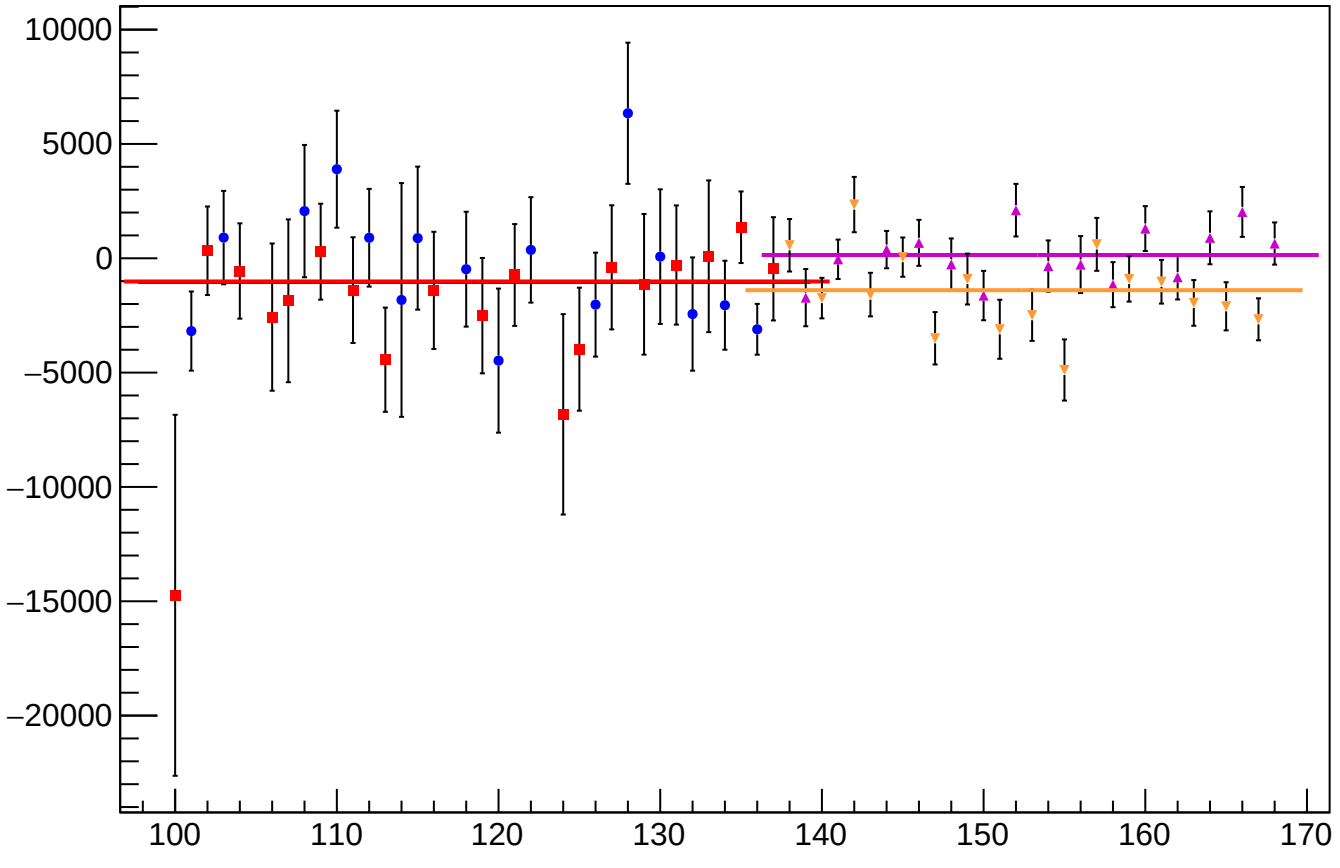
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 79.032+/-0.016 χ^2/NDF:109809.0/14

+ sign 82.849+/-0.013 χ^2/NDF: 569986.3/31

All: 82.917+/-0.009 χ^2/NDF: 1184412.5/65

- sign 82.985+/-0.013 χ^2/NDF: 614374.2/33



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1395.539+/-261.342 χ^2/NDF:34.7/15

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

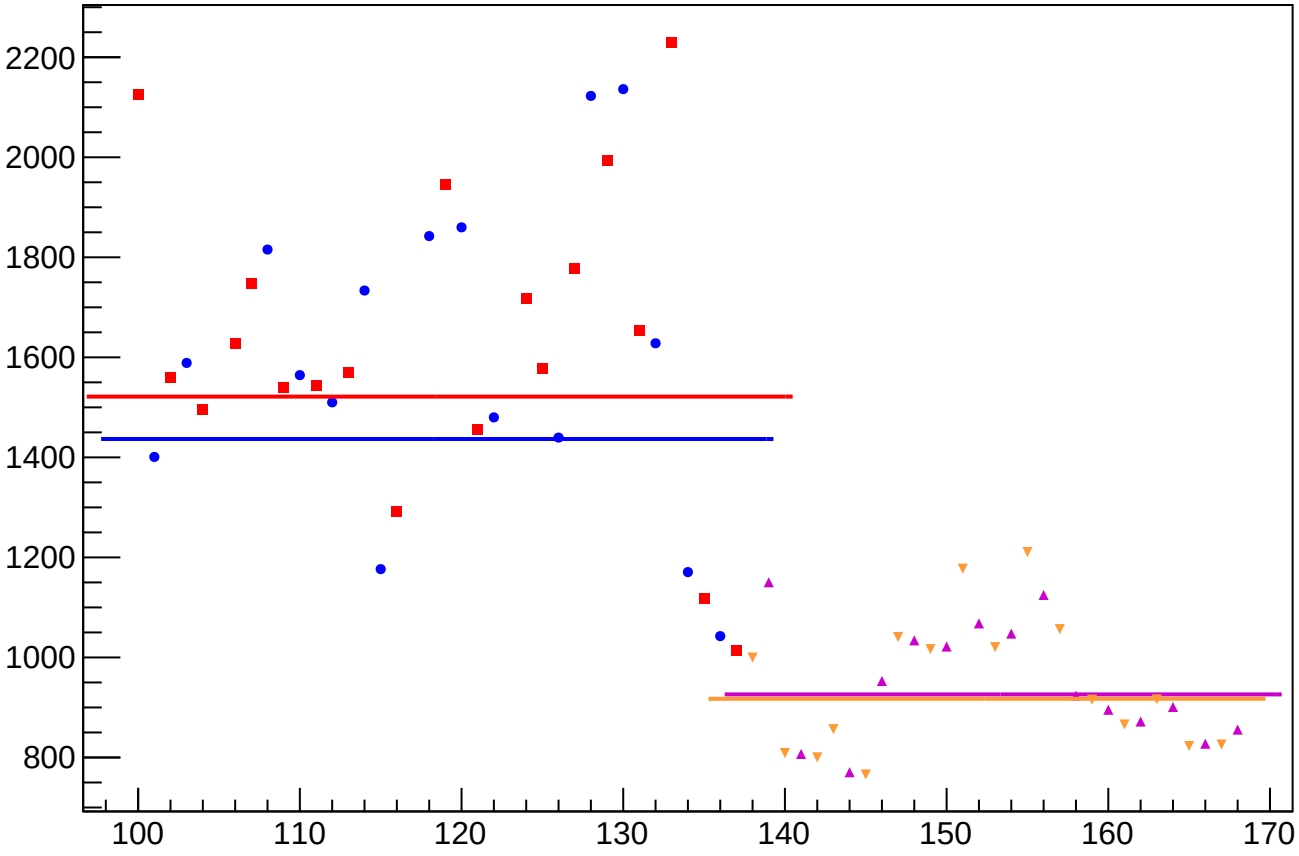
Left In: 143.090+/-265.404 χ^2/NDF:16.5/14

+ sign -1329.172+/-236.066 χ^2/NDF: 55.3/31

All: -708.310+/-168.498 χ^2/NDF: 101.7/65

- sign -63.456+/-240.584 χ^2/NDF: 32.3/33

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 917.334+/-0.185 χ^2/NDF:433360.1/15

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

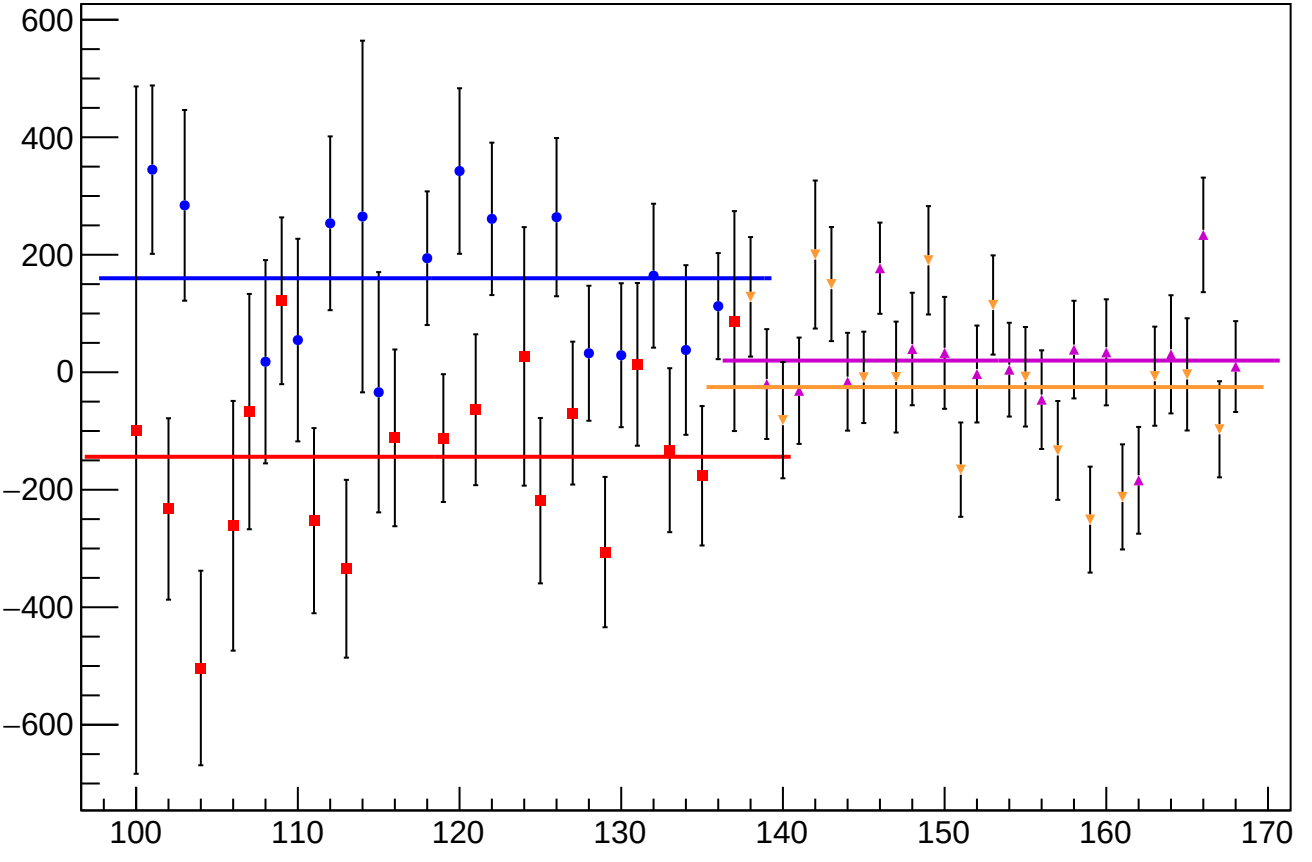
Left In: 926.119+/-0.188 χ^2/NDF:352499.6/14

+ sign 1012.947+/-0.167 χ^2/NDF: 2563269.4/31

All: 1022.425+/-0.119 χ^2/NDF: 5215148.0/65

- sign 1032.269+/-0.170 χ^2/NDF: 2645305.7/33

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -25.203+/-22.436 χ^2/NDF:33.6/15

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

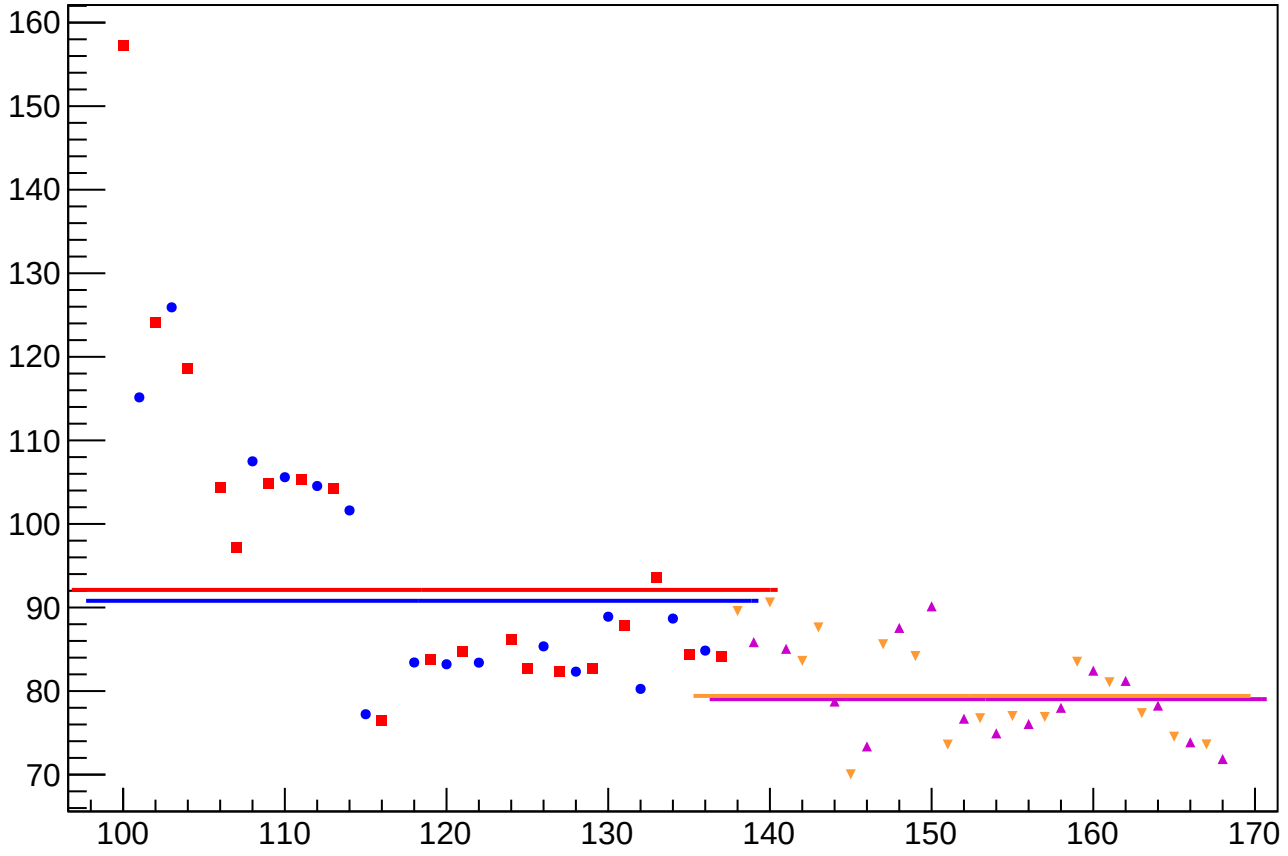
Left In: 19.894+/-22.521 χ^2/NDF:15.5/14

+ sign 30.596+/-18.755 χ^2/NDF: 65.2/31

All: 0.587+/-13.282 χ^2/NDF: 119.2/65

- sign -29.605+/-18.812 χ^2/NDF: 48.9/33

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 79.421+/-0.016 χ^2/NDF:142195.3/15

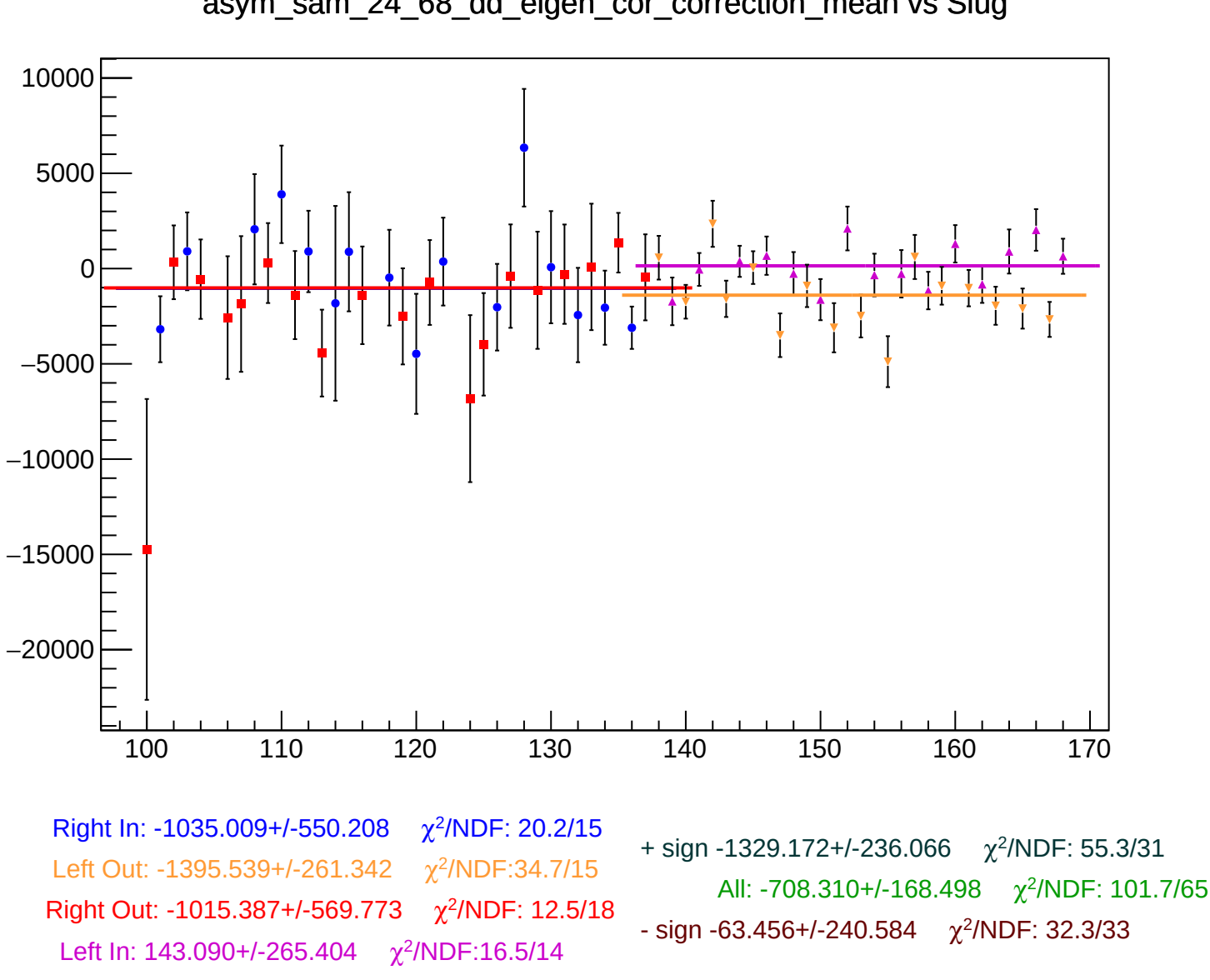
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 79.032+/-0.016 χ^2/NDF:109809.0/14

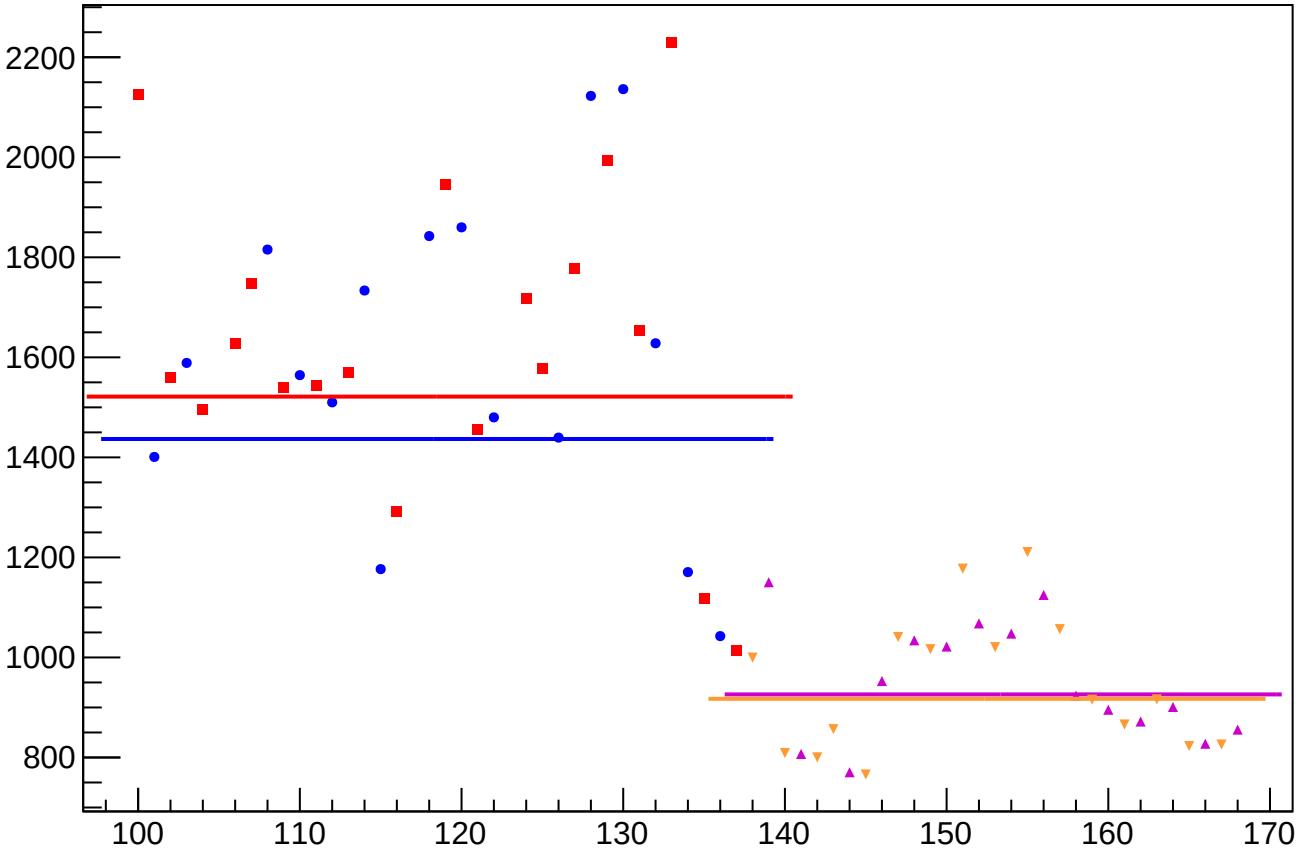
+ sign 82.849+/-0.013 χ^2/NDF: 569986.3/31

All: 82.917+/-0.009 χ^2/NDF: 1184412.5/65

- sign 82.985+/-0.013 χ^2/NDF: 614374.2/33


asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -1035.009+/-550.208 χ²/NDF: 20.2/15
Left Out: -1395.539+/-261.342 χ²/NDF:34.7/15
Right Out: -1015.387+/-569.773 χ²/NDF: 12.5/18
Left In: 143.090+/-265.404 χ²/NDF:16.5/14
+ sign -1329.172+/-236.066 χ²/NDF: 55.3/31
All: -708.310+/-168.498 χ²/NDF: 101.7/65
- sign -63.456+/-240.584 χ²/NDF: 32.3/33

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 917.334+/-0.185 χ^2/NDF:433360.1/15

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

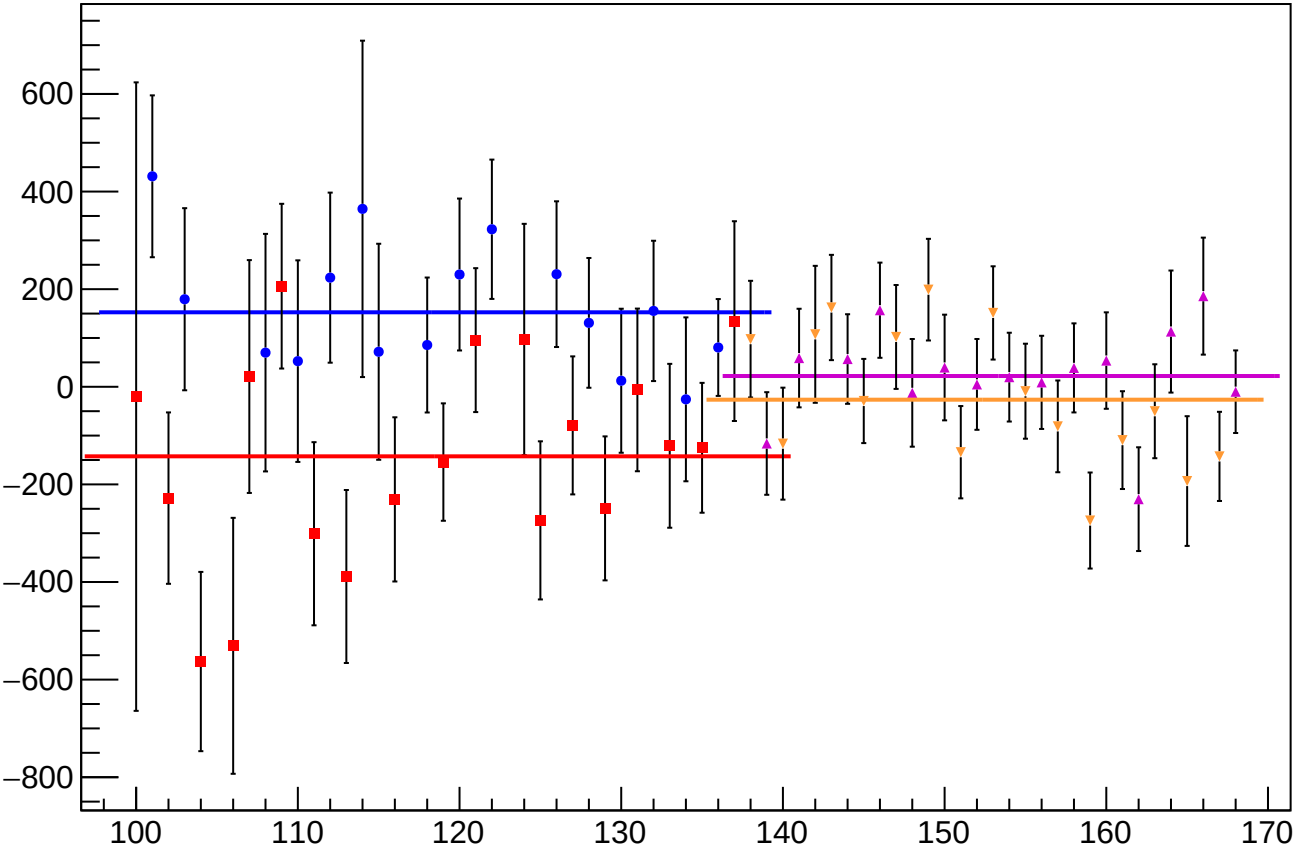
Left In: 926.119+/-0.188 χ^2/NDF:352499.6/14

+ sign 1012.947+/-0.167 χ^2/NDF: 2563269.4/31

All: 1022.425+/-0.119 χ^2/NDF: 5215148.0/65

- sign 1032.269+/-0.170 χ^2/NDF: 2645305.7/33

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -26.447+/-25.607 χ^2/NDF:27.2/15

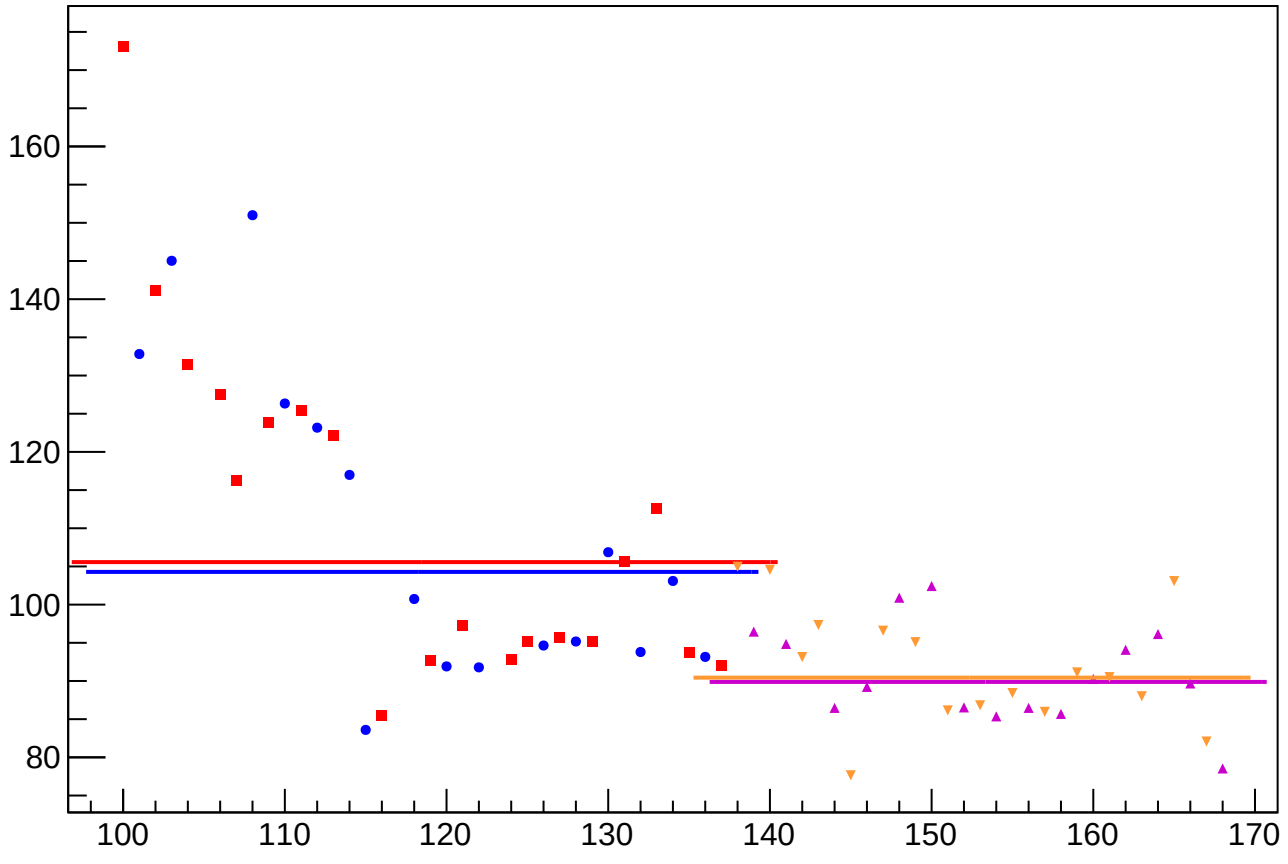
Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: 22.072+/-25.734 χ^2/NDF:12.4/14

+ sign 26.644+/-21.479 χ^2/NDF: 50.3/31

All: -0.228+/-15.208 χ^2/NDF: 101.1/65

- sign -27.243+/-21.535 χ^2/NDF: 47.6/33



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 90.439+/-0.018 χ^2/NDF:172064.8/15

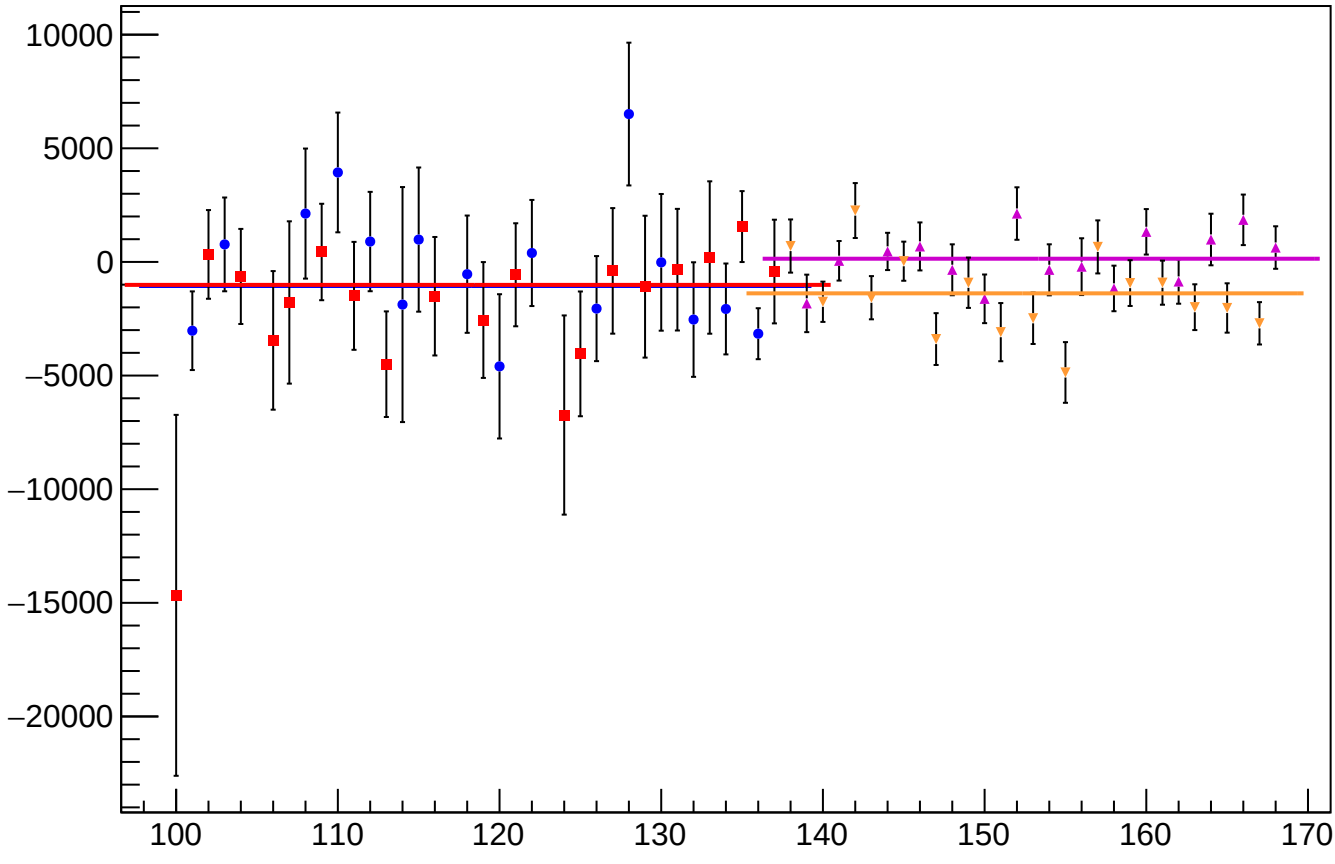
Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 89.878+/-0.018 χ^2/NDF:120713.9/14

+ sign 94.545+/-0.015 χ^2/NDF: 723756.1/31

All: 94.562+/-0.011 χ^2/NDF: 1411879.6/65

- sign 94.580+/-0.015 χ^2/NDF: 688120.8/33



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1382.301+/-263.033 χ^2/NDF:34.2/15

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

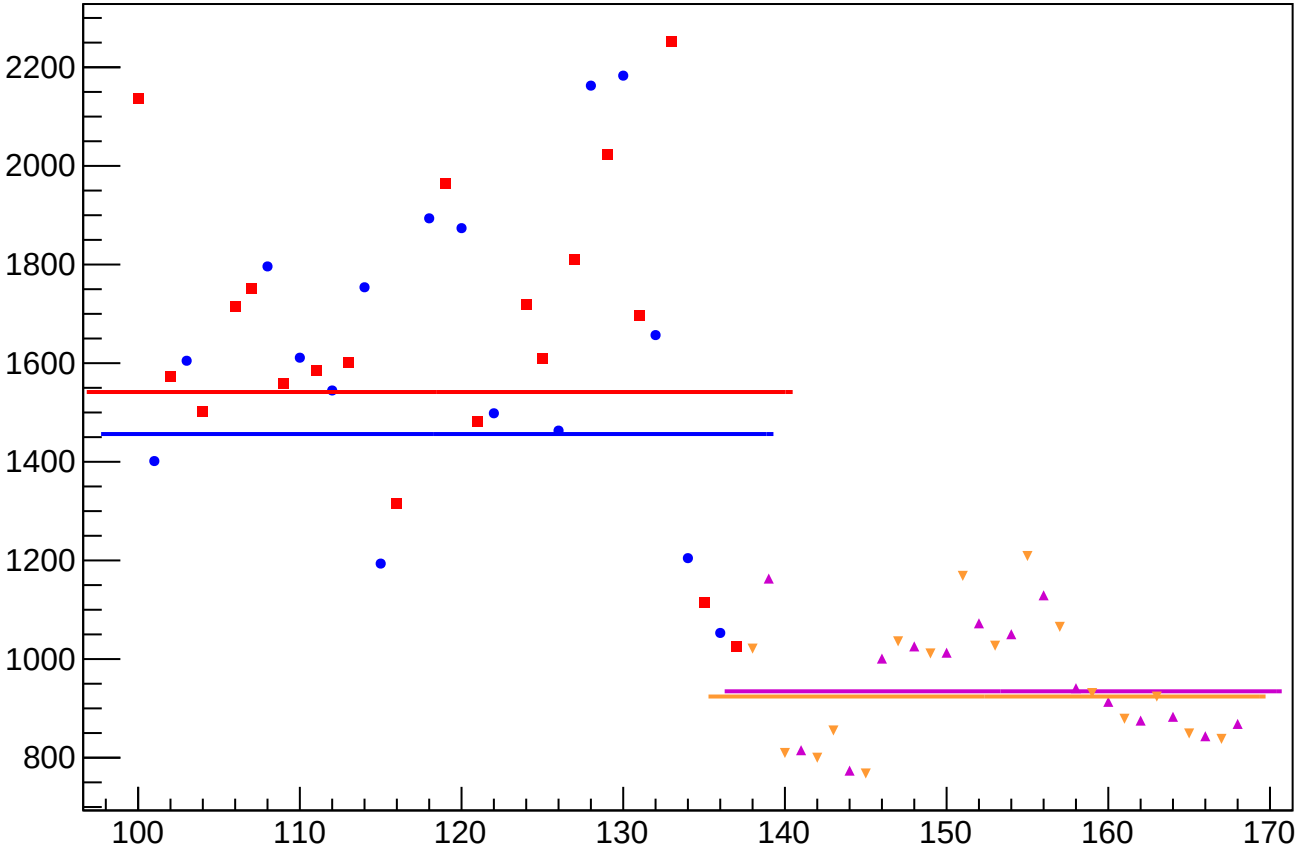
Left In: 141.091+/-267.736 χ^2/NDF:16.3/14

+ sign -1323.527+/-237.896 χ^2/NDF: 54.5/31

All: -706.377+/-169.899 χ^2/NDF: 101.2/65

- sign -63.934+/-242.722 χ^2/NDF: 32.9/33

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 924.060+/-0.186 χ^2/NDF:417234.5/15

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

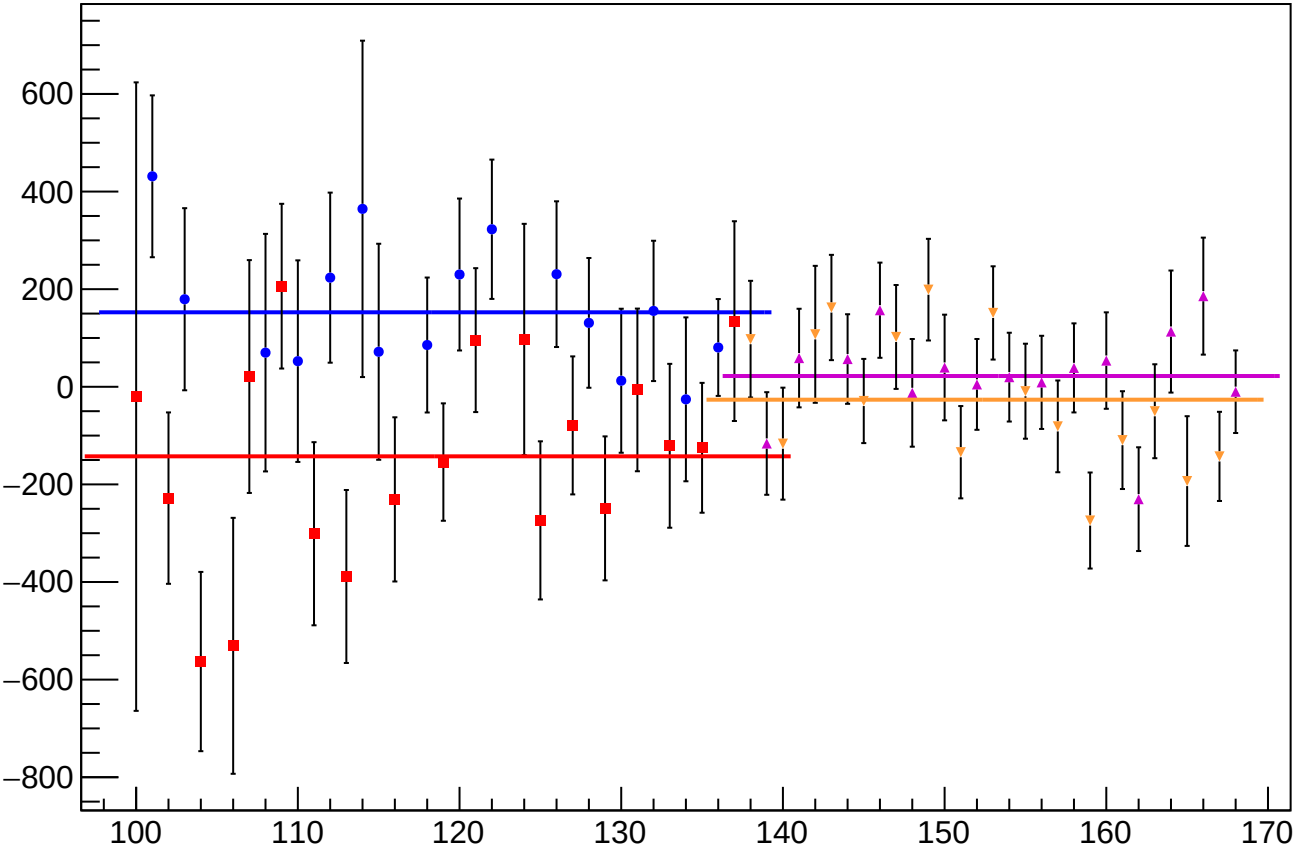
Left In: 934.632+/-0.189 χ^2/NDF:346012.3/14

+ sign 1020.926+/-0.168 χ^2/NDF: 2592396.8/31

All: 1031.612+/-0.120 χ^2/NDF: 5296477.3/65

- sign 1042.736+/-0.172 χ^2/NDF: 2695844.4/33

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -26.446+/-25.608 χ^2/NDF:27.2/15

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

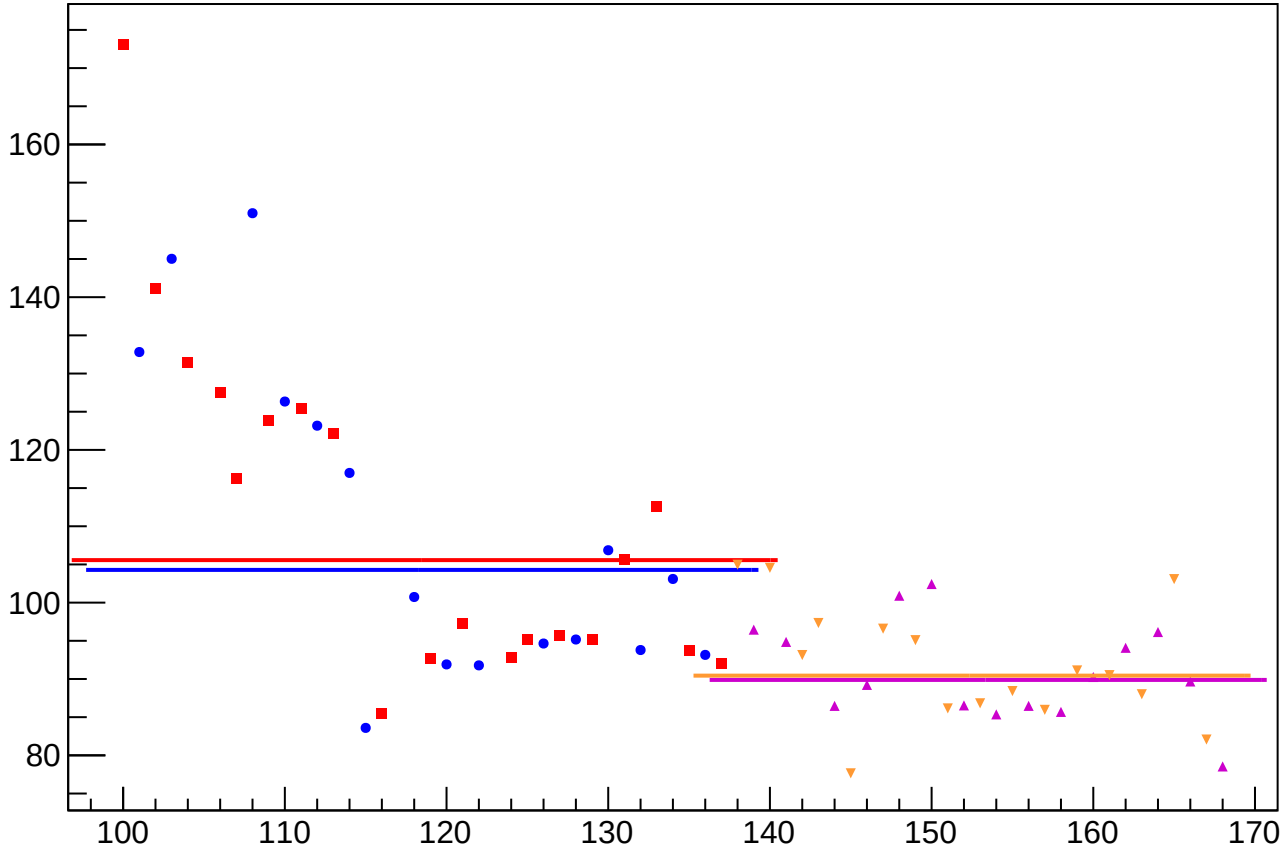
Left In: 22.073+/-25.734 χ^2/NDF:12.4/14

+ sign 26.647+/-21.479 χ^2/NDF: 50.3/31

All: -0.226+/-15.208 χ^2/NDF: 101.1/65

- sign -27.242+/-21.535 χ^2/NDF: 47.6/33

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.439+/-0.018 χ^2/NDF:172062.4/15

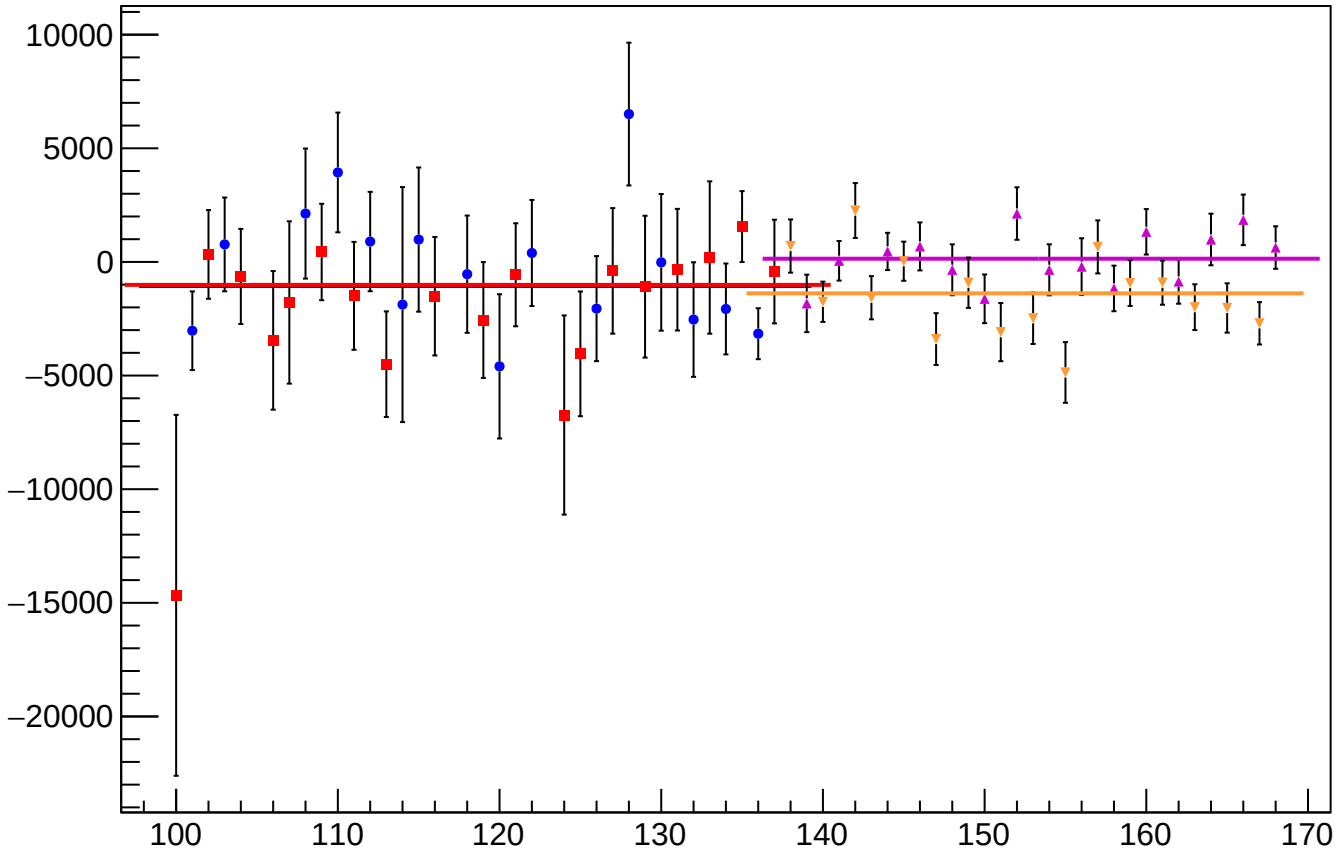
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 89.878+/-0.018 χ^2/NDF:120714.8/14

+ sign 94.544+/-0.015 χ^2/NDF: 723730.7/31

All: 94.562+/-0.011 χ^2/NDF: 1411836.4/65

- sign 94.580+/-0.015 χ^2/NDF: 688103.1/33



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -1382.299+/-263.032 χ^2/NDF:34.2/15

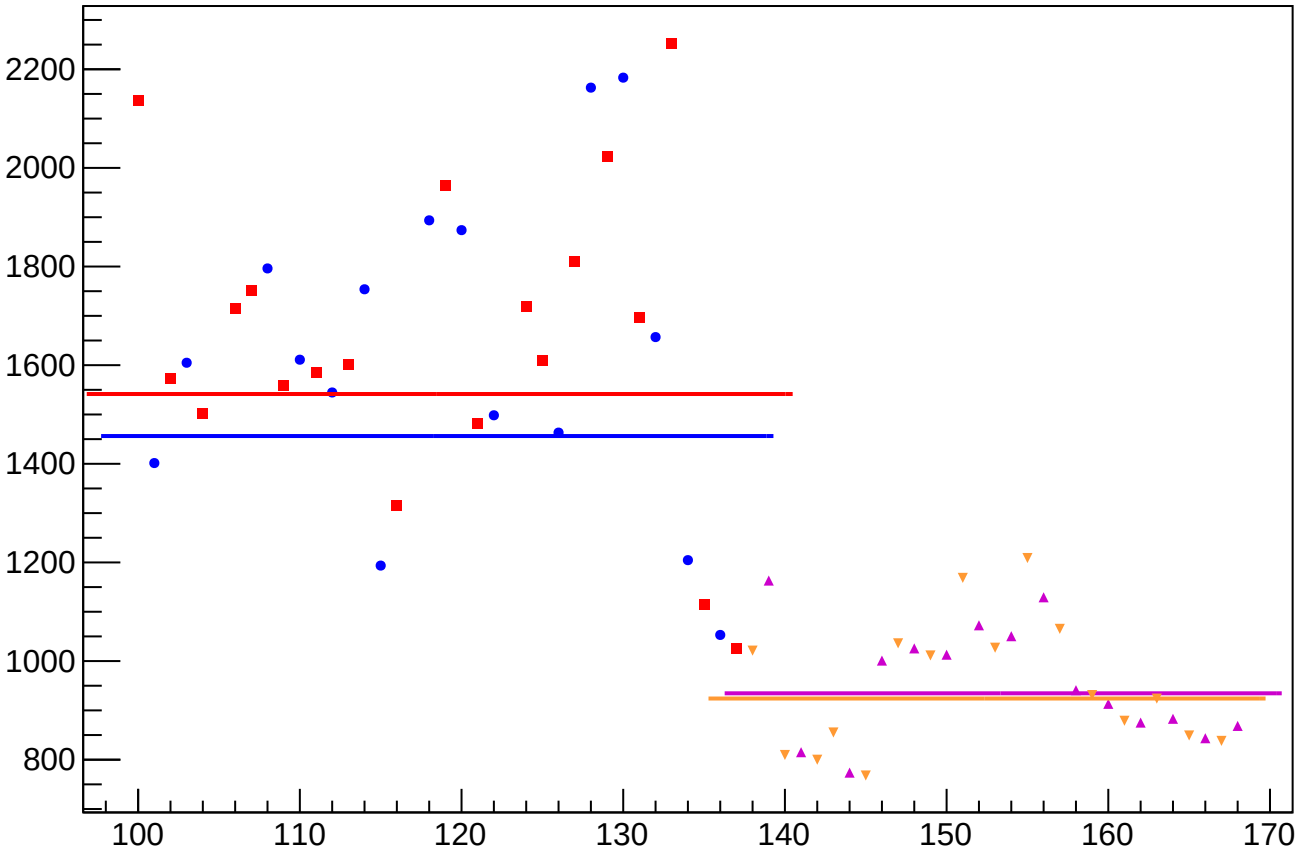
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 141.092+/-267.736 χ^2/NDF:16.3/14

+ sign -1323.525+/-237.896 χ^2/NDF: 54.5/31

All: -706.375+/-169.898 χ^2/NDF: 101.2/65

- sign -63.933+/-242.722 χ^2/NDF: 32.9/33



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 924.059+/-0.186 χ^2/NDF:417238.0/15

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

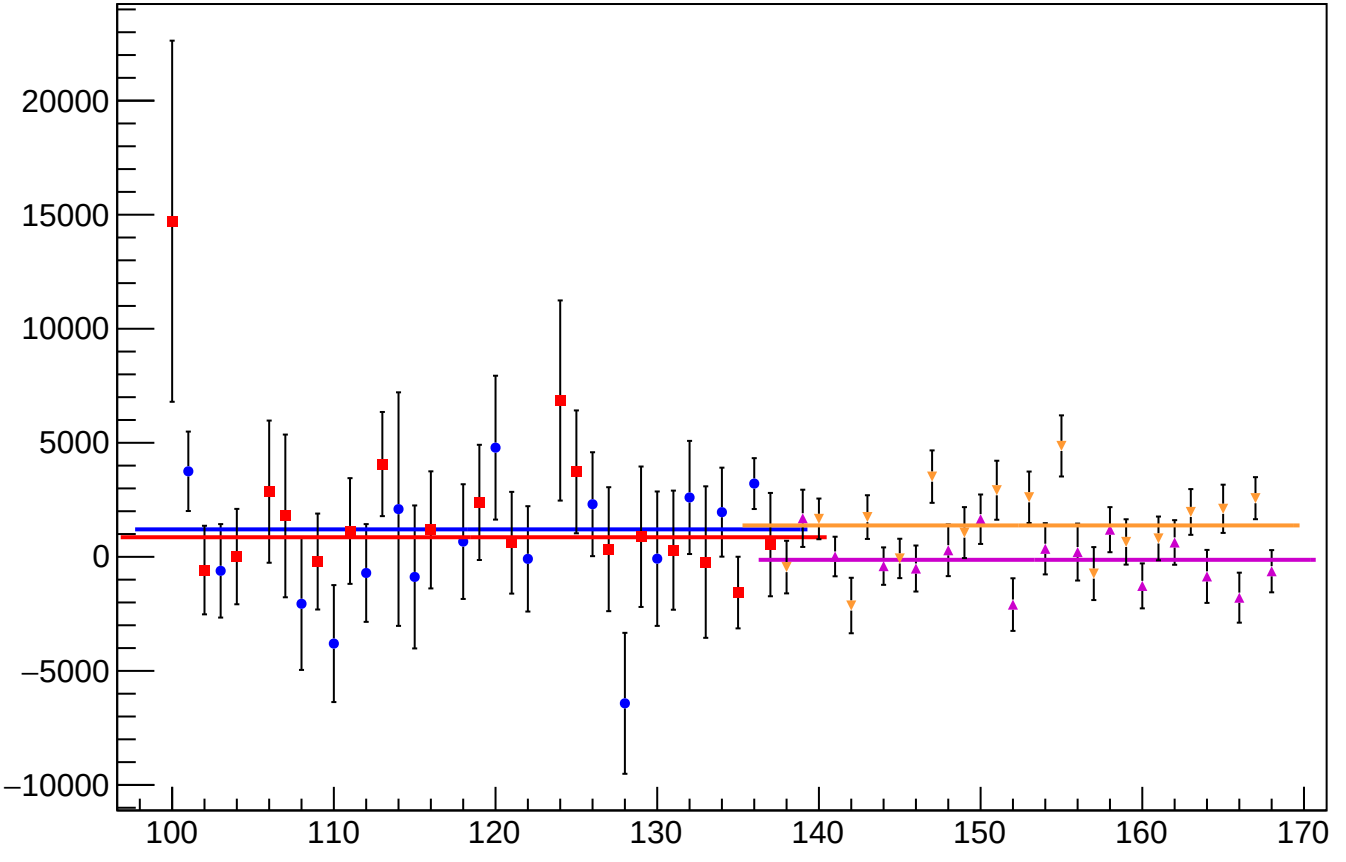
Left In: 934.631+/-0.189 χ^2/NDF:346014.0/14

+ sign 1020.925+/-0.168 χ^2/NDF: 2592393.7/31

All: 1031.611+/-0.120 χ^2/NDF: 5296470.4/65

- sign 1042.735+/-0.172 χ^2/NDF: 2695840.6/33

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1377.270+/-262.421 χ^2/NDF:33.5/15

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

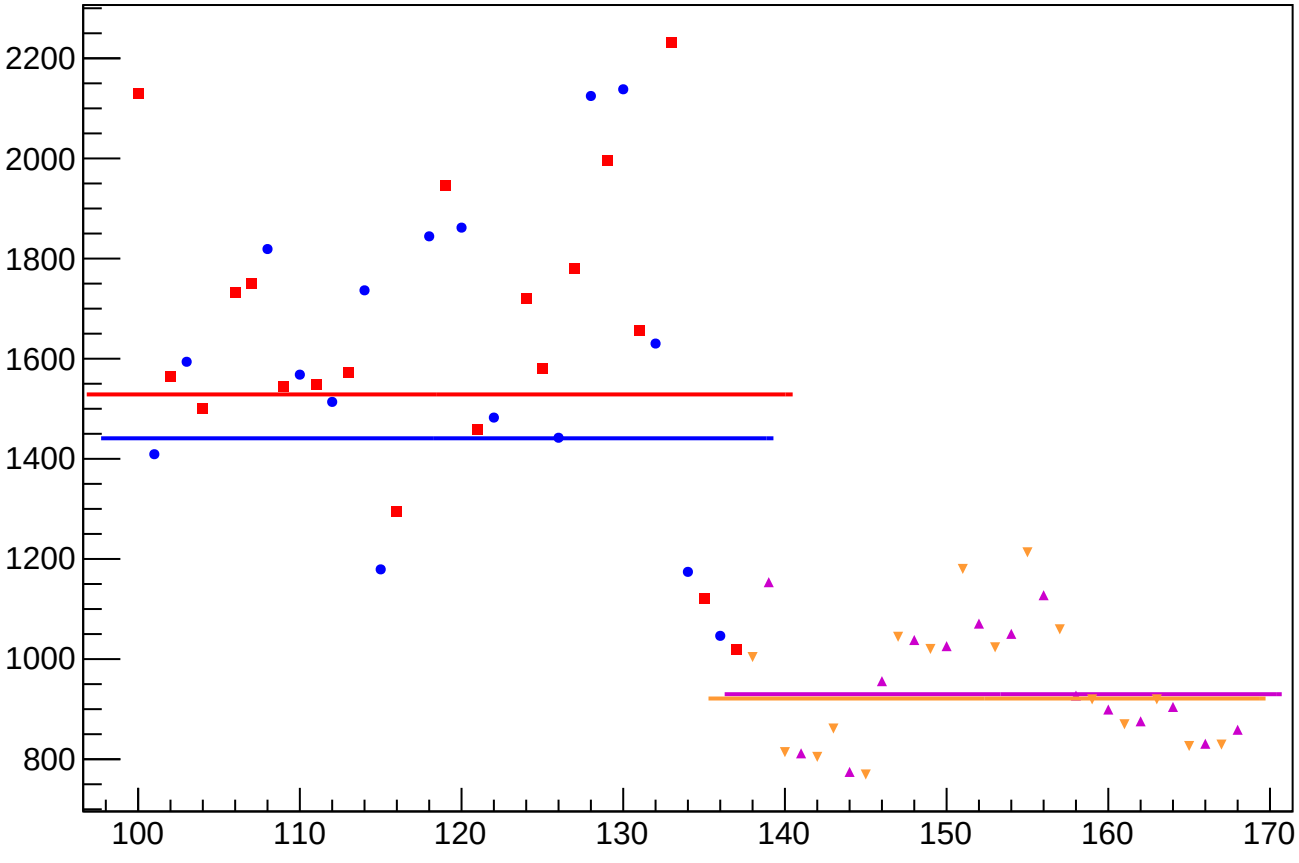
Left In: -130.415+/-266.447 χ^2/NDF:15.1/14

+ sign 1345.431+/-236.981 χ^2/NDF: 54.8/31

All: 708.161+/-169.114 χ^2/NDF: 99.5/65

- sign 46.865+/-241.407 χ^2/NDF: 30.1/33

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 921.276+/-0.186 χ^2/NDF:427498.9/15

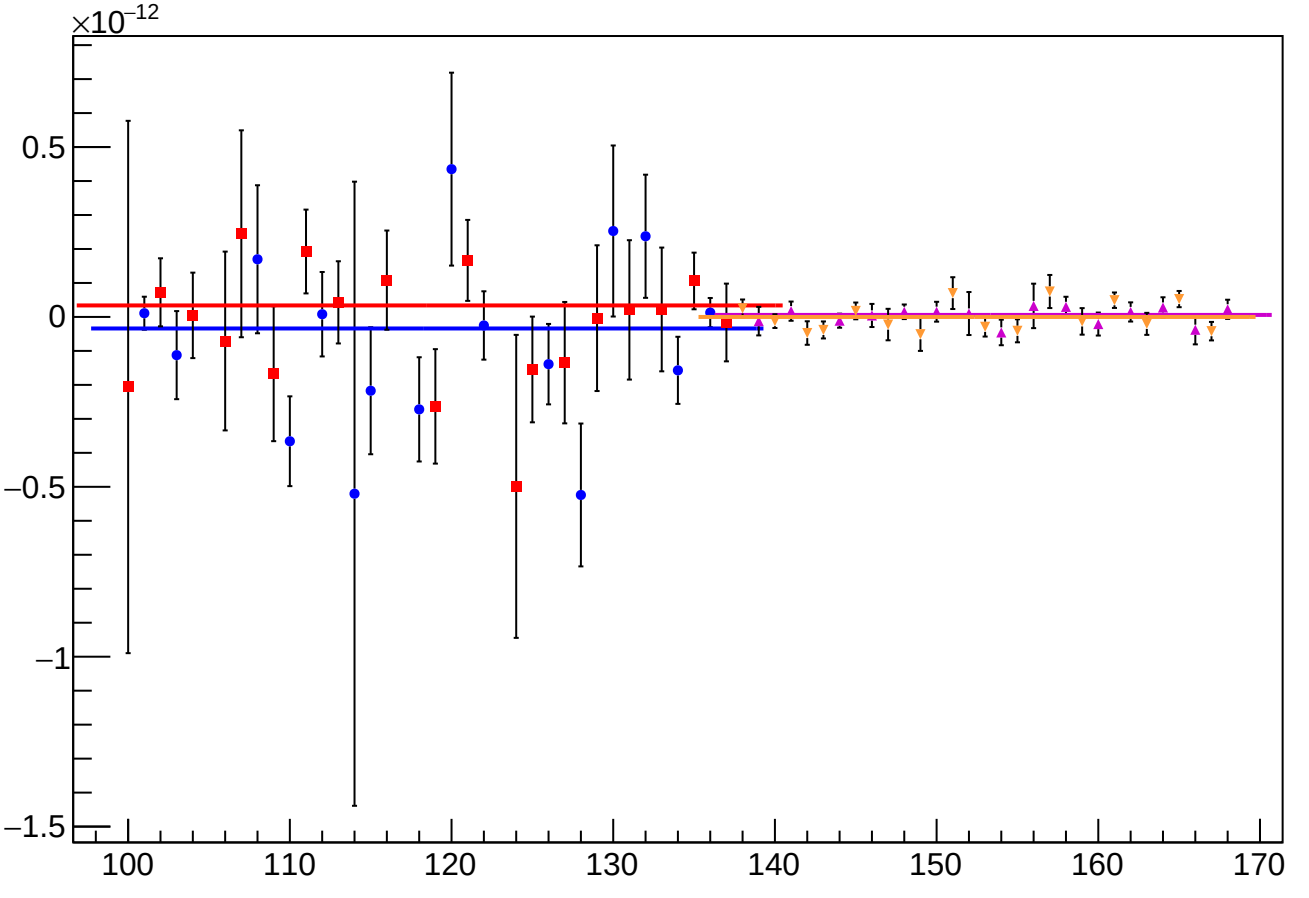
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 929.878+/-0.188 χ^2/NDF:347624.6/14

+ sign 1017.165+/-0.168 χ^2/NDF: 2545593.6/31

All: 1026.964+/-0.120 χ^2/NDF: 5211105.0/65

- sign 1037.133+/-0.171 χ^2/NDF: 2658543.0/33



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/15

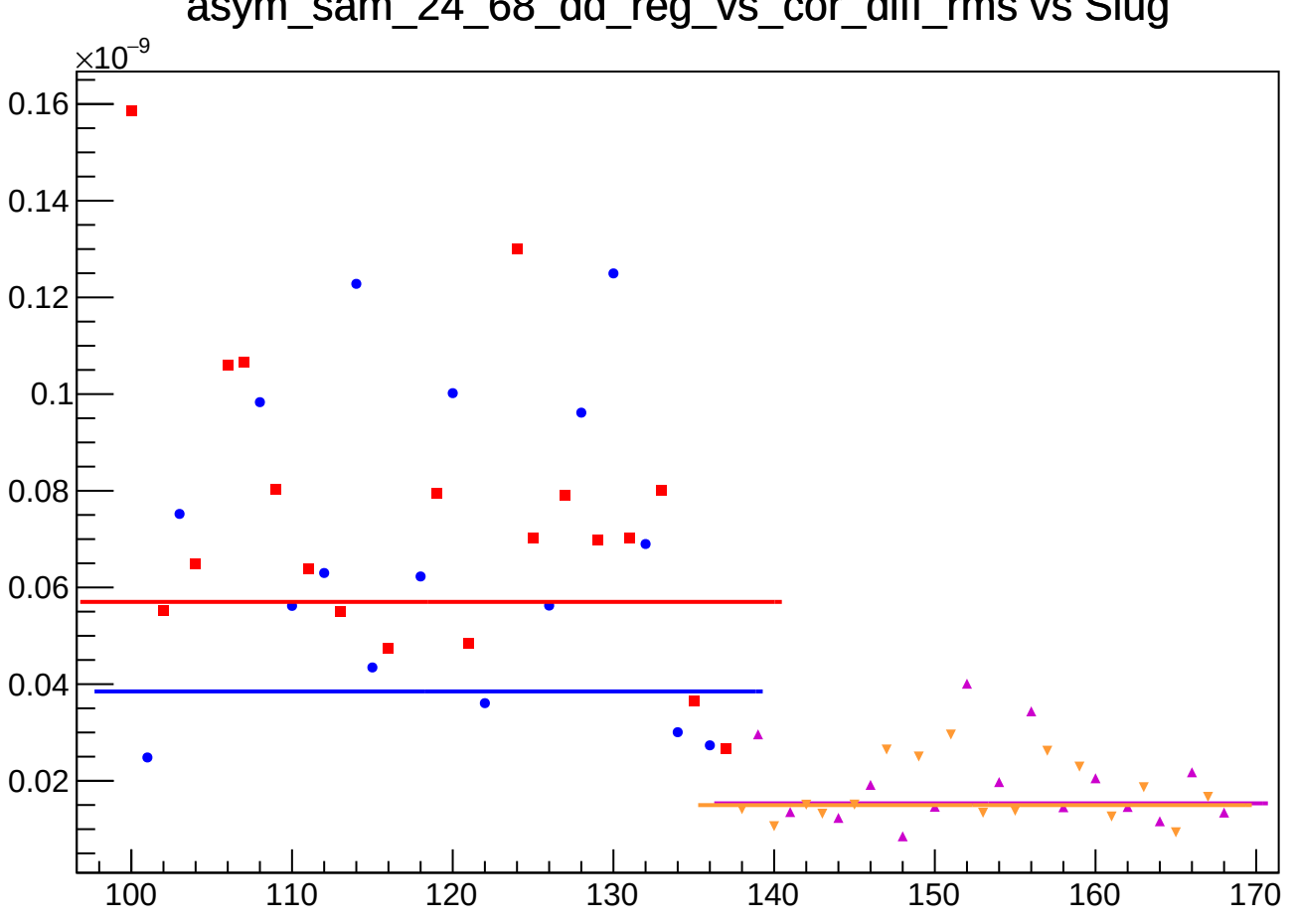
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/14

+ sign -0.000+/-0.000 χ^2/NDF: 55.9/31

All: 0.000+/-0.000 χ^2/NDF: 77.1/65

- sign 0.000+/-0.000 χ^2/NDF: 20.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:871499.4/15

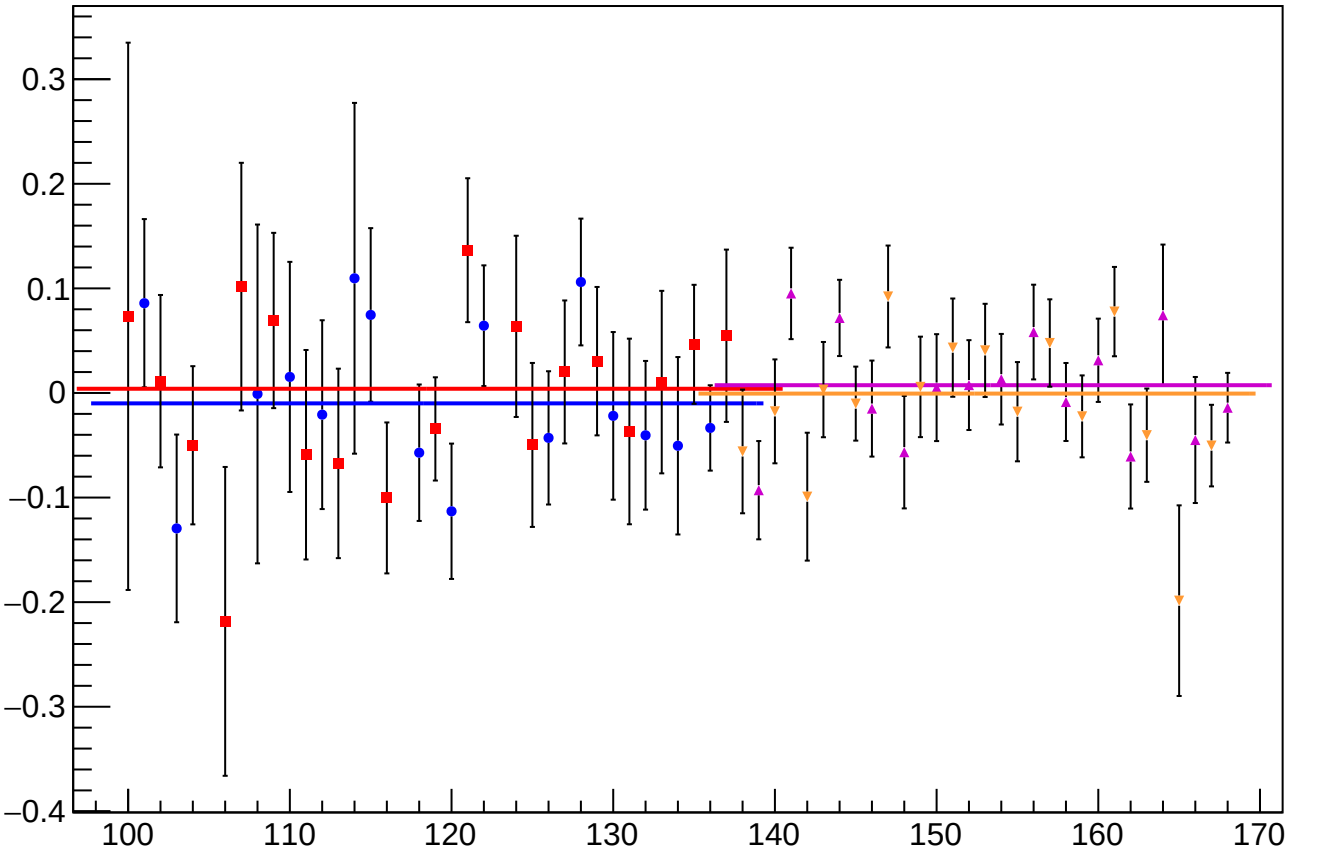
Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1145306.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 3876454.6/31

All: 0.000+/-0.000 χ^2/NDF: 8571590.1/65

- sign 0.000+/-0.000 χ^2/NDF: 4686267.2/33



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.001+/-0.012 χ^2/NDF:21.3/15

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

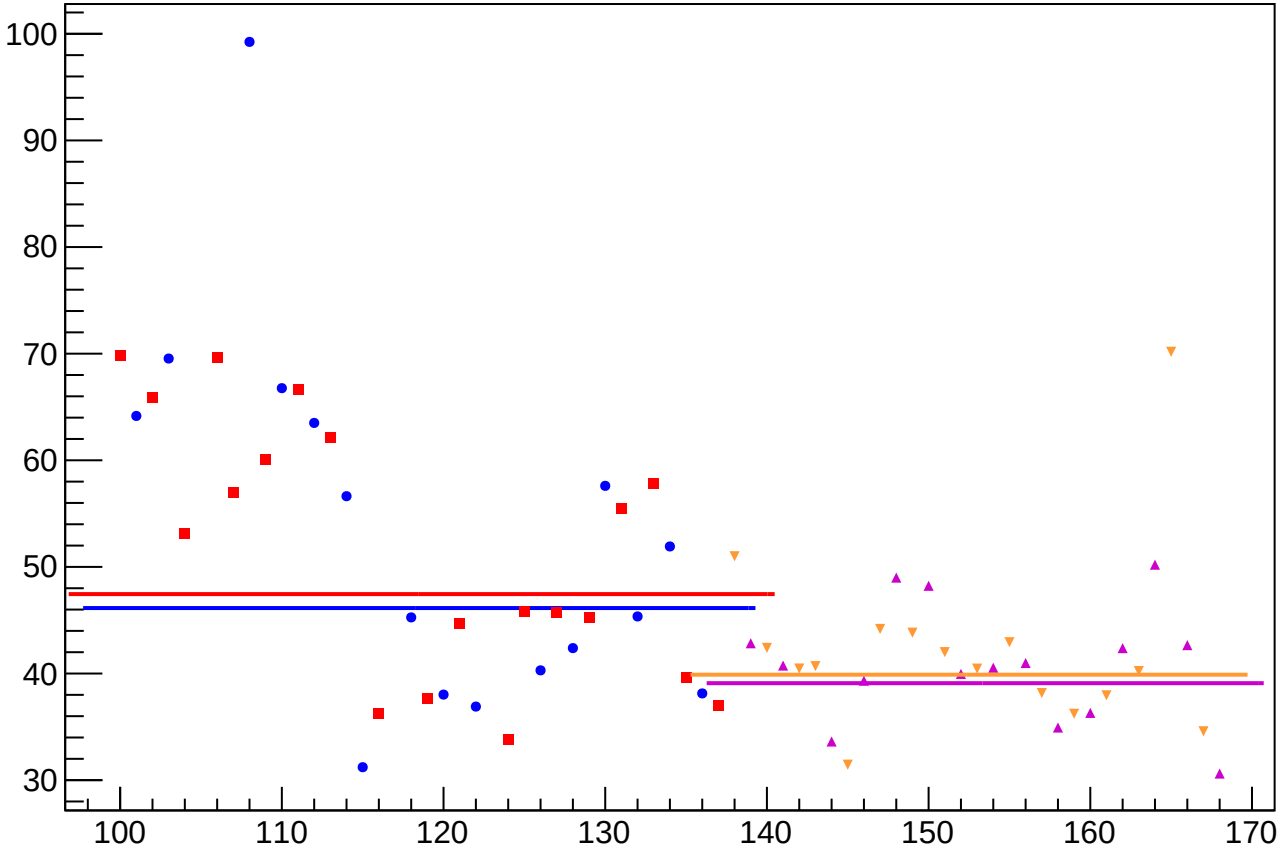
Left In: 0.007+/-0.011 χ^2/NDF:19.2/14

+ sign -0.003+/-0.010 χ^2/NDF: 35.8/31

All: 0.002+/-0.007 χ^2/NDF: 69.4/65

- sign 0.006+/-0.010 χ^2/NDF: 33.1/33

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.892+/-0.008 χ^2/NDF:514925.2/15

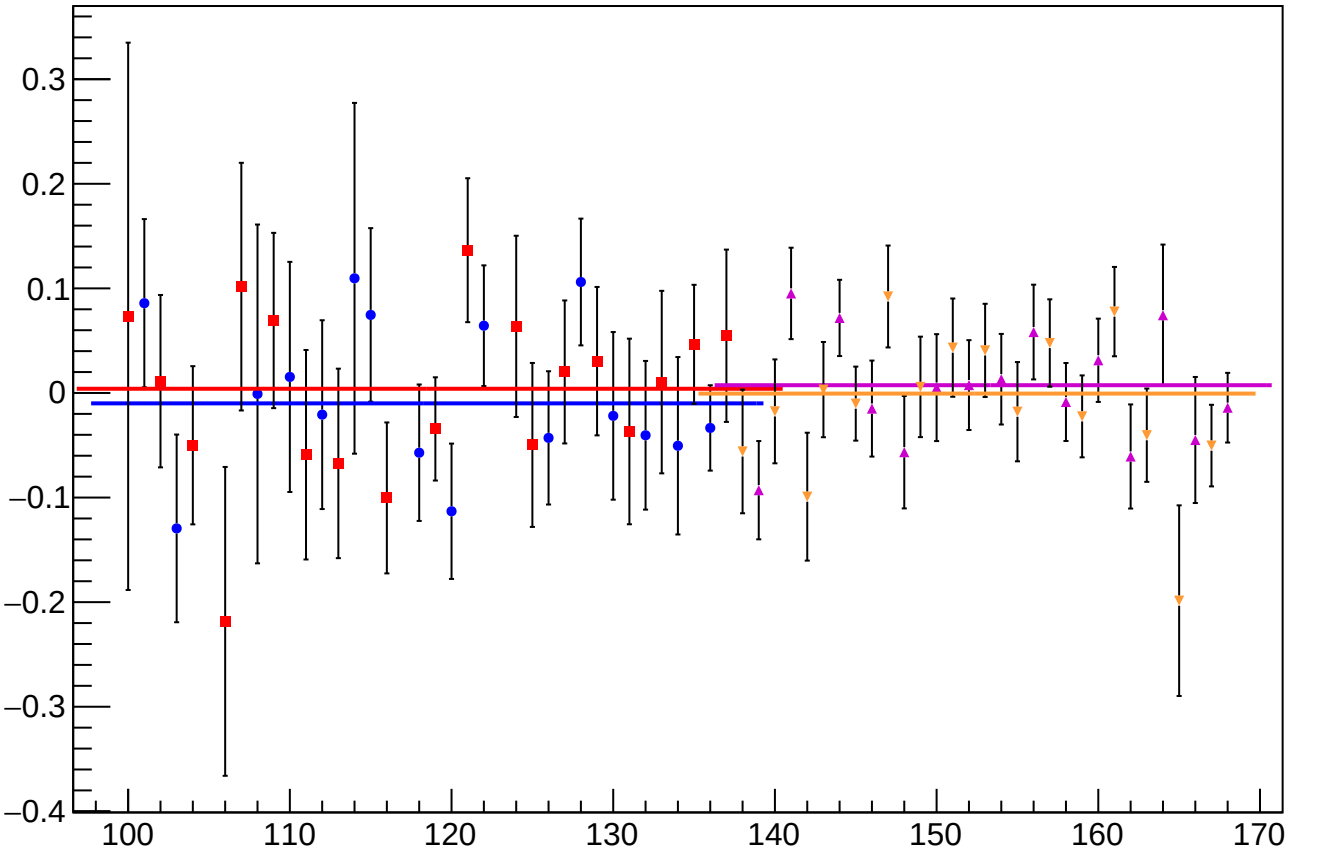
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.096+/-0.008 χ^2/NDF:432979.6/14

+ sign 41.706+/-0.007 χ^2/NDF: 1589442.3/31

All: 41.593+/-0.005 χ^2/NDF: 2982315.4/65

- sign 41.481+/-0.007 χ^2/NDF: 1392330.2/33



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.001+/-0.012 χ^2/NDF:21.3/15

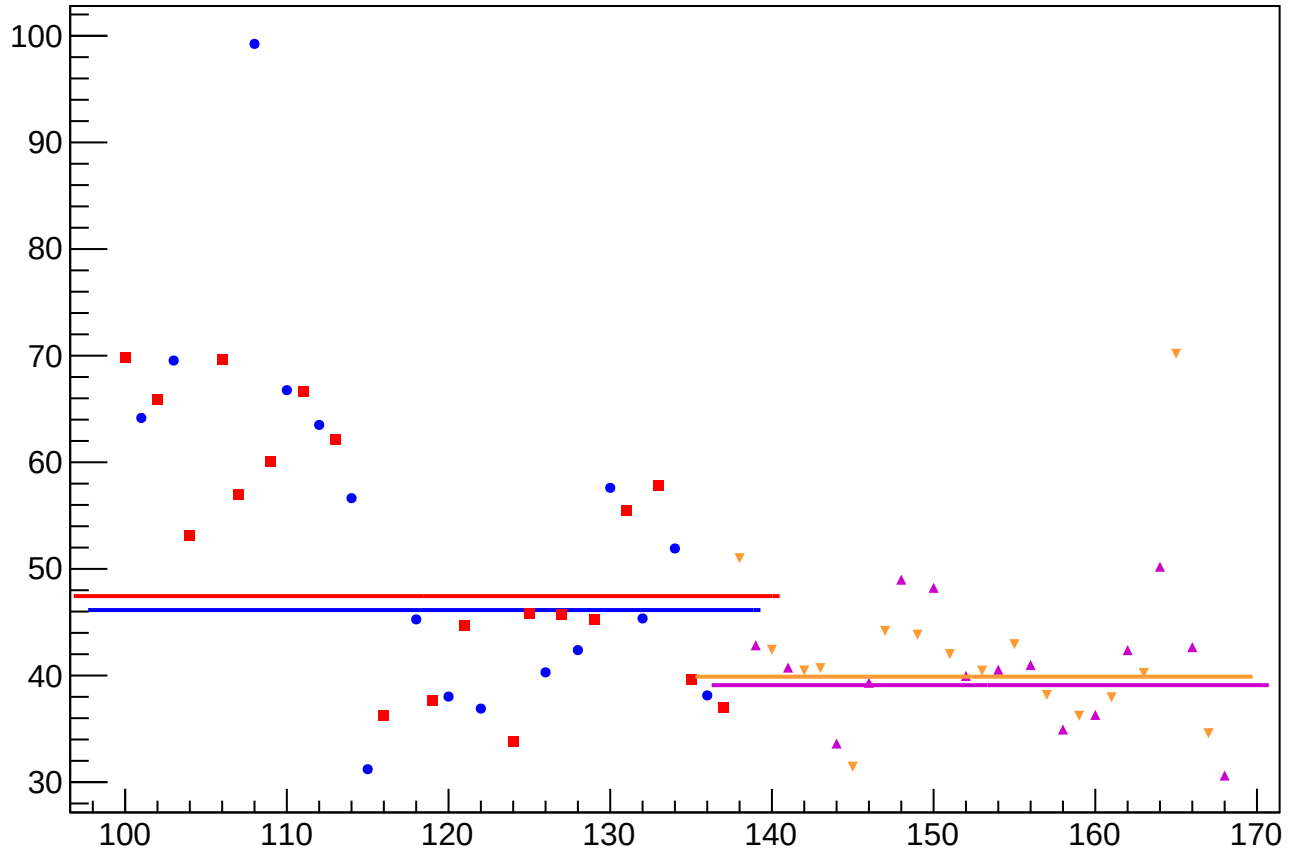
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.011 χ^2/NDF:19.2/14

+ sign -0.003+/-0.010 χ^2/NDF: 35.8/31

All: 0.002+/-0.007 χ^2/NDF: 69.4/65

- sign 0.006+/-0.010 χ^2/NDF: 33.1/33



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.892+/-0.008 χ^2/NDF:514925.2/15

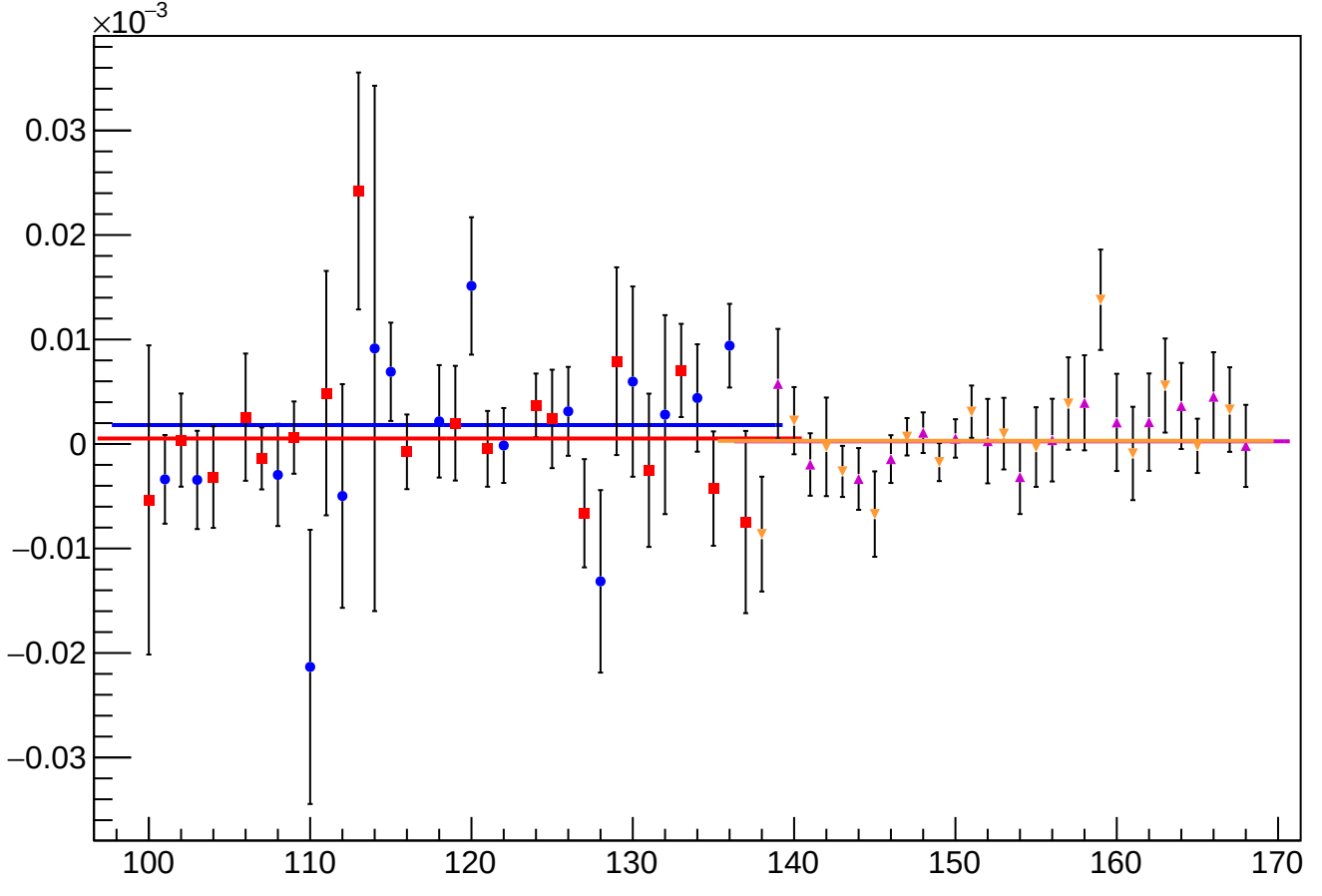
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.096+/-0.008 χ^2/NDF:432979.6/14

+ sign 41.706+/-0.007 χ^2/NDF: 1589442.3/31

All: 41.593+/-0.005 χ^2/NDF: 2982315.4/65

- sign 41.481+/-0.007 χ^2/NDF: 1392330.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/15

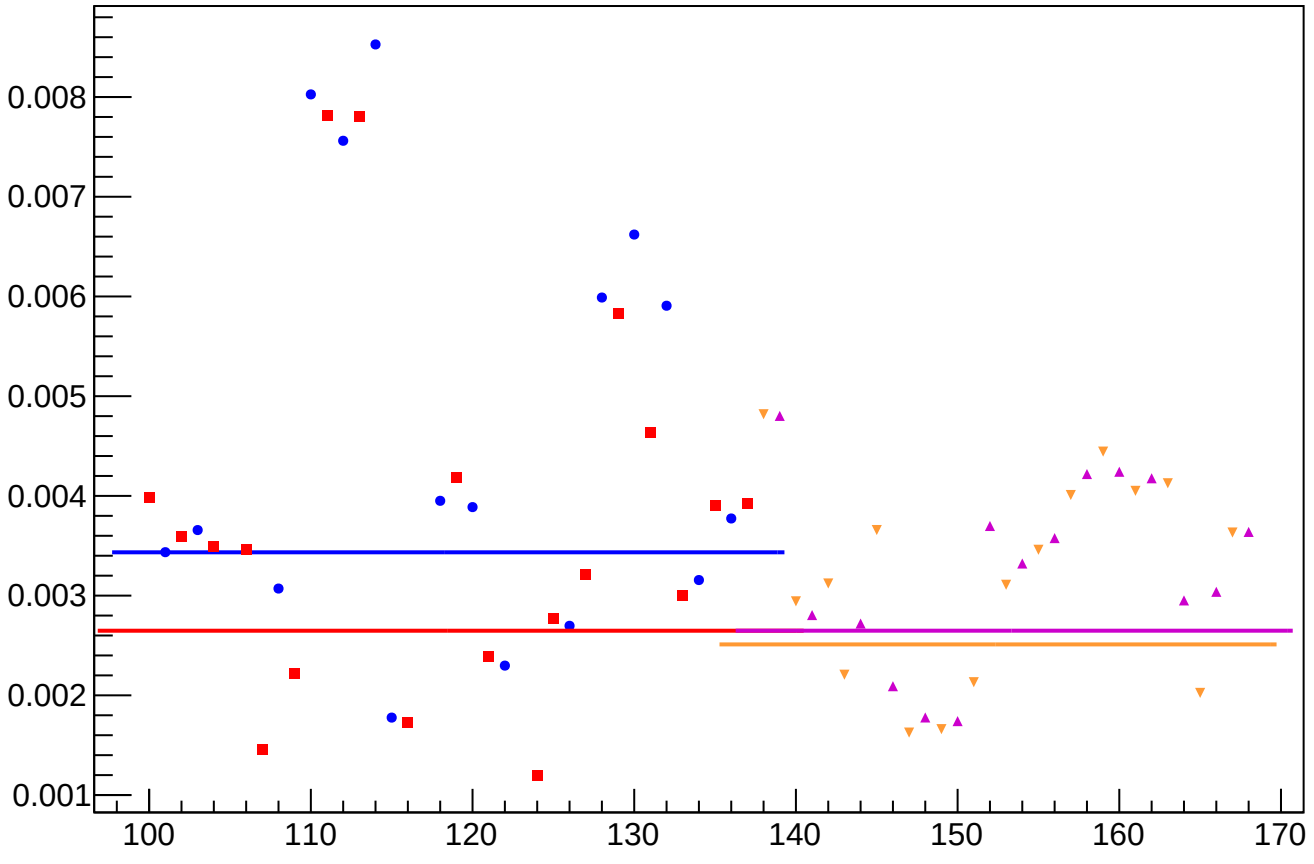
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 41.5/31

All: 0.000+/-0.000 χ^2/NDF: 62.9/65

- sign 0.000+/-0.000 χ^2/NDF: 21.3/33



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3040253.3/15

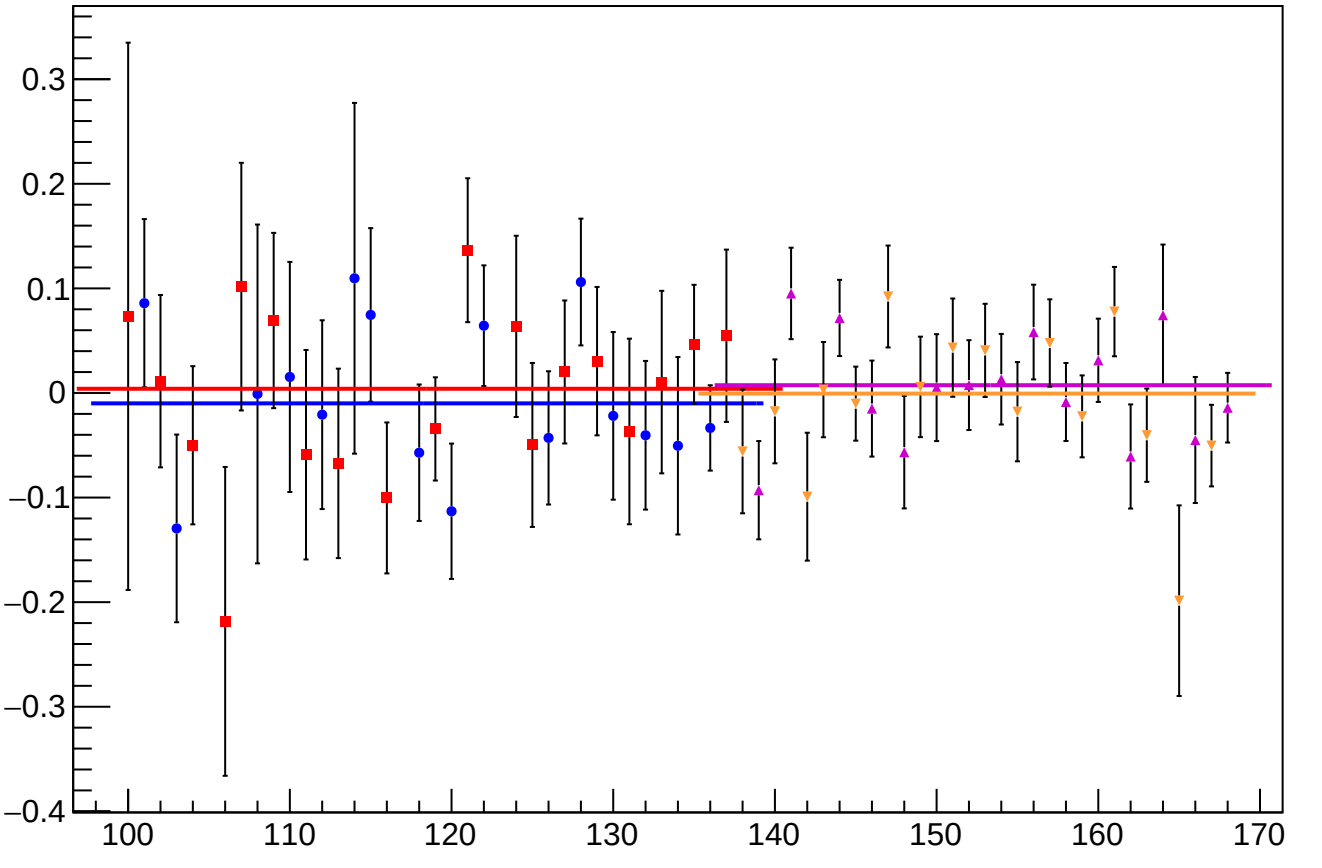
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2507618.9/14

+ sign 0.003+/-0.000 χ^2/NDF: 5482194.6/31

All: 0.003+/-0.000 χ^2/NDF: 10701234.0/65

- sign 0.003+/-0.000 χ^2/NDF: 5204491.6/33



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.001+/-0.012 χ^2/NDF:21.3/15

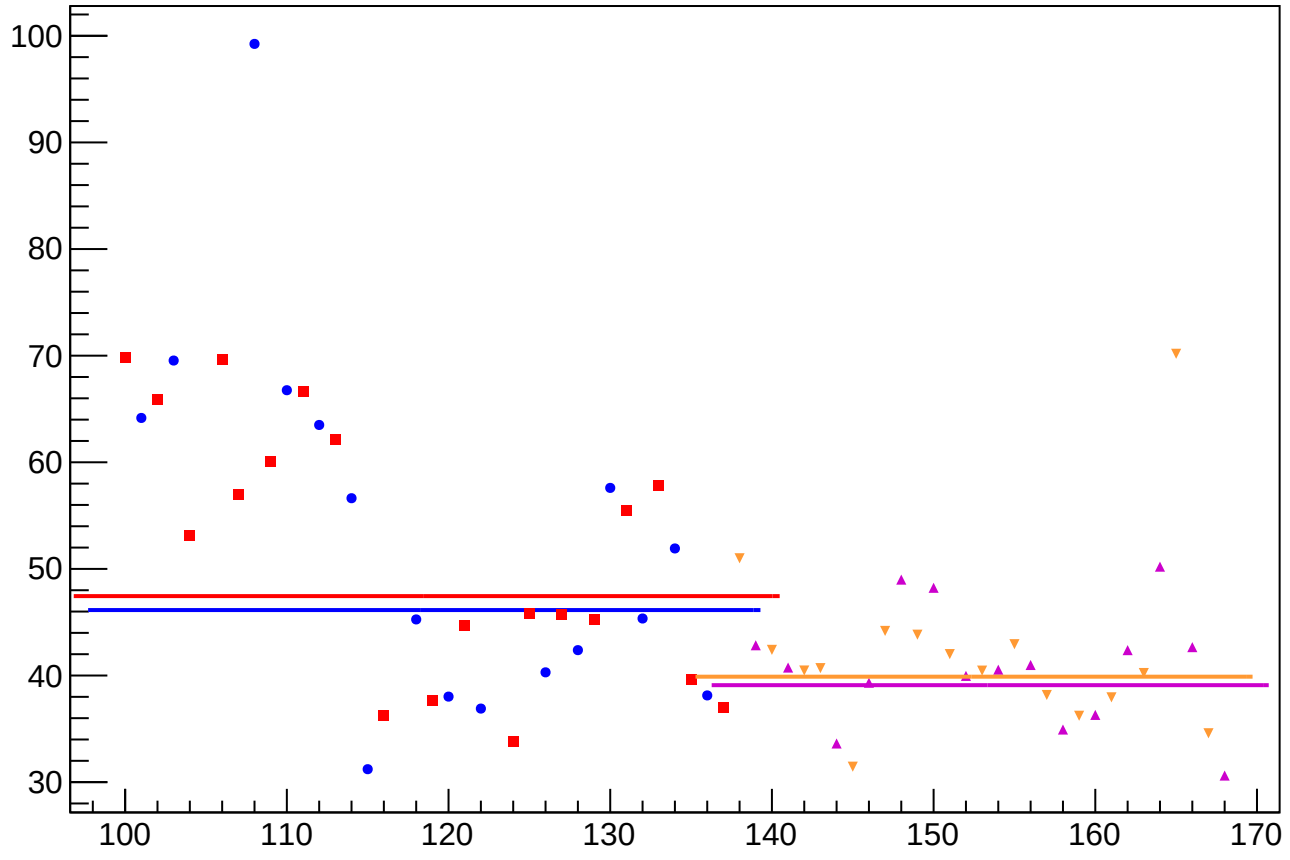
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.011 χ^2/NDF:19.2/14

+ sign -0.003+/-0.010 χ^2/NDF: 35.8/31

All: 0.002+/-0.007 χ^2/NDF: 69.4/65

- sign 0.006+/-0.010 χ^2/NDF: 33.1/33



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.892+/-0.008 χ^2/NDF:514958.8/15

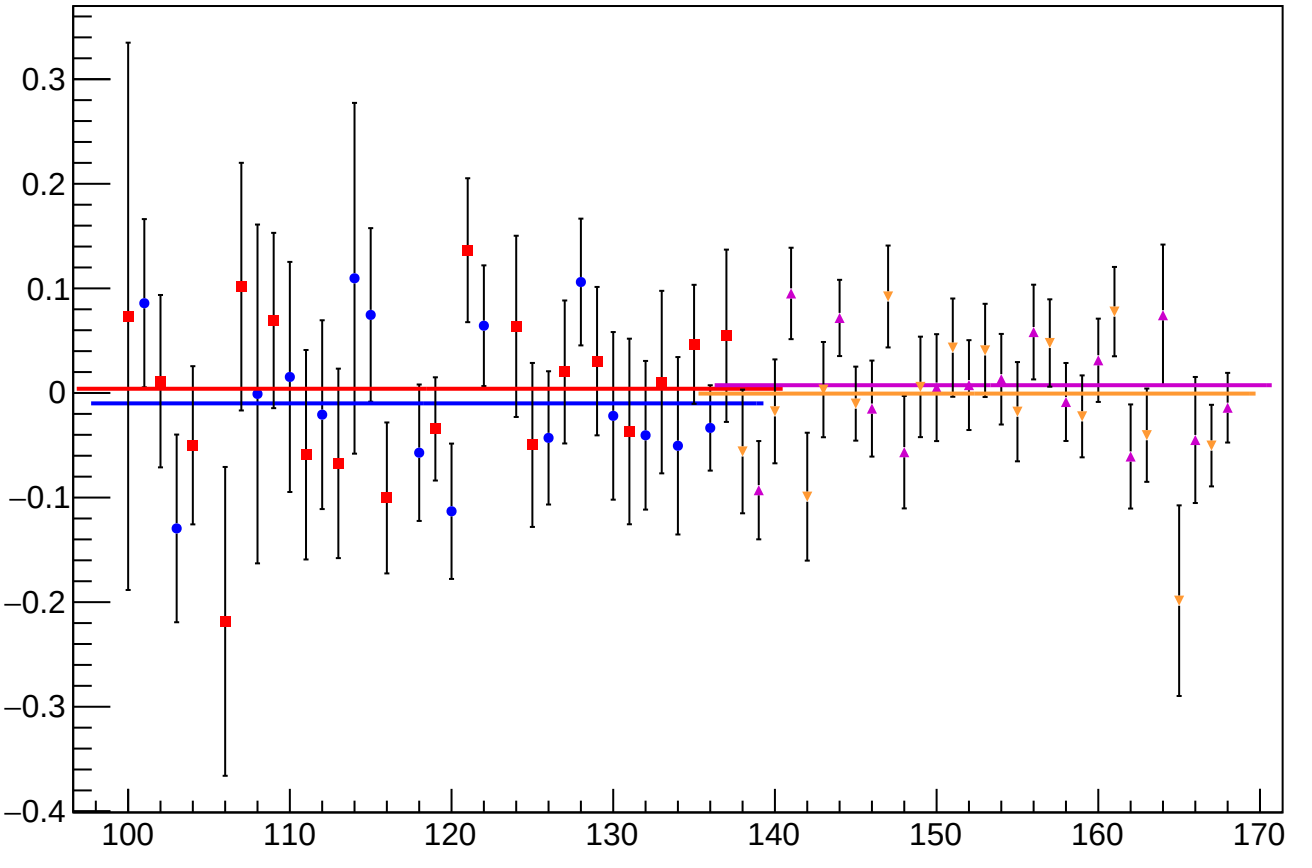
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.095+/-0.008 χ^2/NDF:433046.9/14

+ sign 41.706+/-0.007 χ^2/NDF: 1589364.4/31

All: 41.593+/-0.005 χ^2/NDF: 2982244.3/65

- sign 41.480+/-0.007 χ^2/NDF: 1392336.2/33



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.001+/-0.012 χ^2/NDF:21.3/15

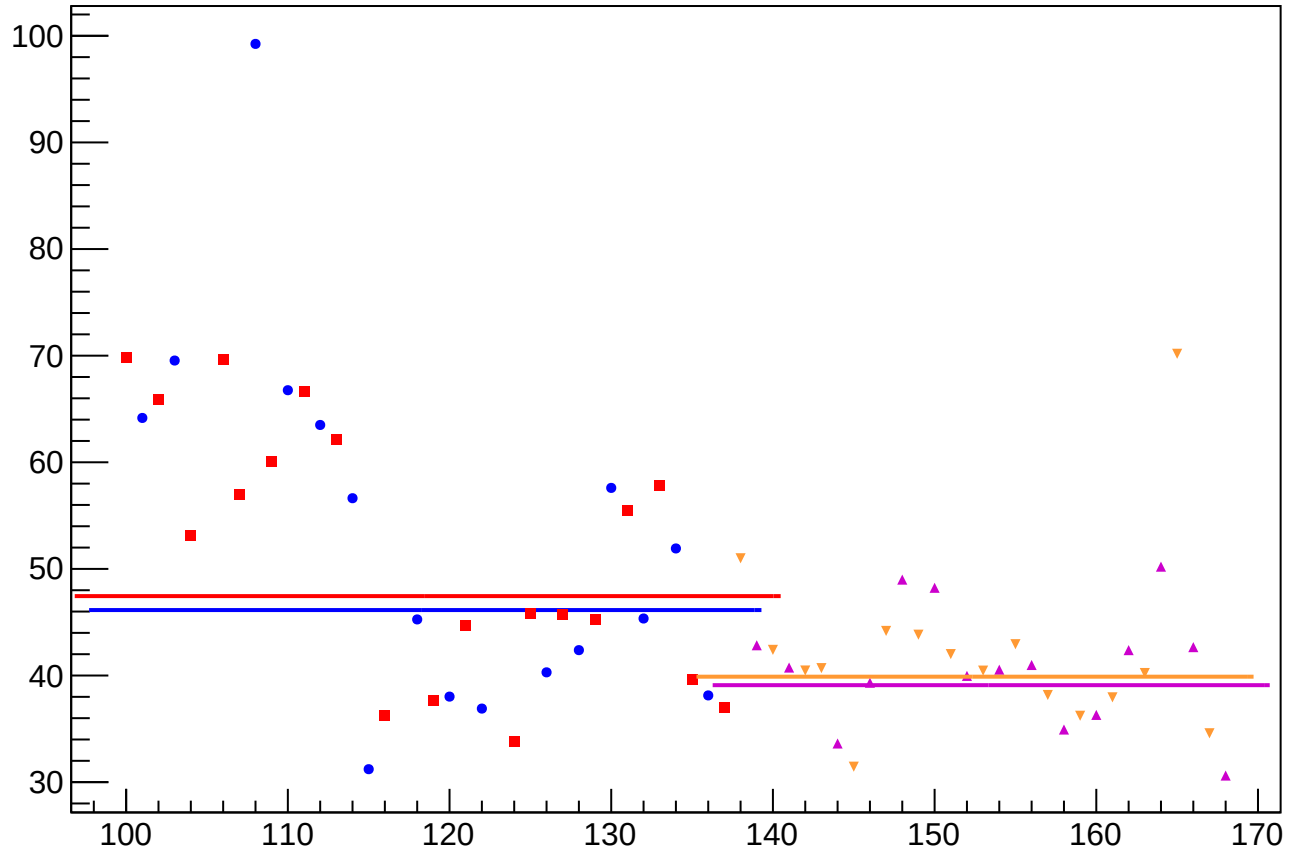
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.011 χ^2/NDF:19.2/14

+ sign -0.003+/-0.010 χ^2/NDF: 35.8/31

All: 0.002+/-0.007 χ^2/NDF: 69.4/65

- sign 0.006+/-0.010 χ^2/NDF: 33.1/33



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.892+/-0.008 χ^2/NDF:514958.8/15

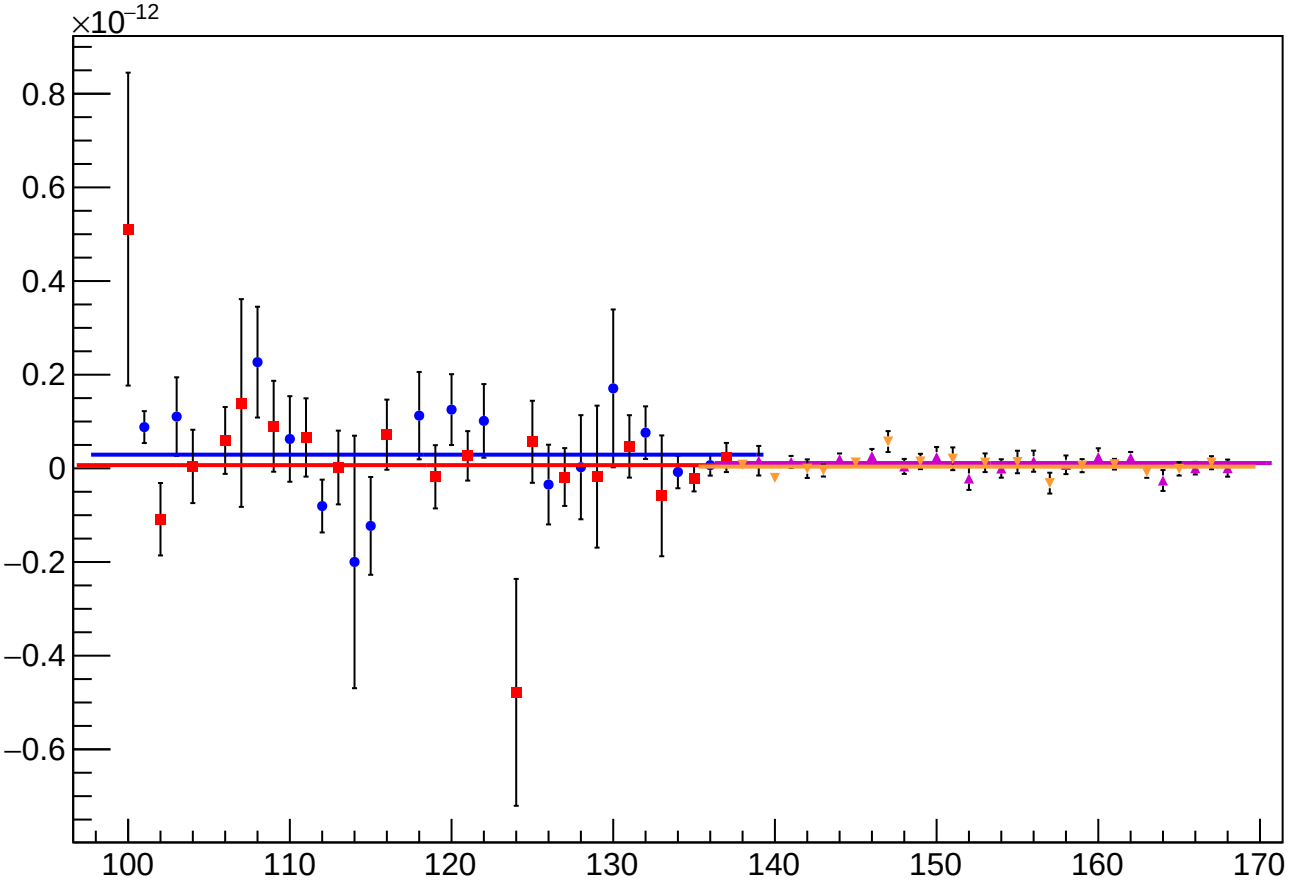
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.095+/-0.008 χ^2/NDF:433046.9/14

+ sign 41.706+/-0.007 χ^2/NDF: 1589364.4/31

All: 41.593+/-0.005 χ^2/NDF: 2982244.3/65

- sign 41.480+/-0.007 χ^2/NDF: 1392336.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/15

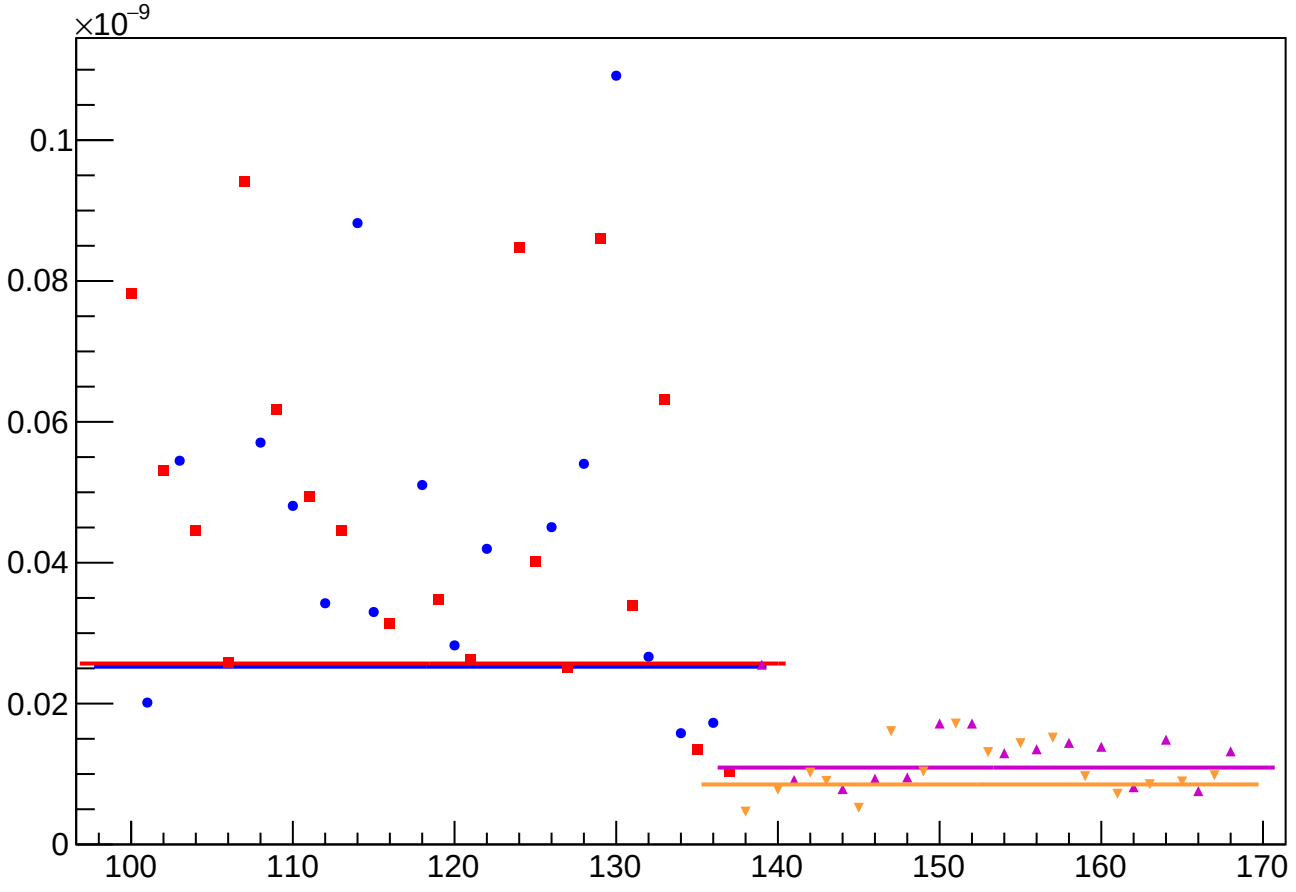
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 41.9/31

All: 0.000+/-0.000 χ^2/NDF: 66.9/65

- sign 0.000+/-0.000 χ^2/NDF: 23.8/33



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1549416.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

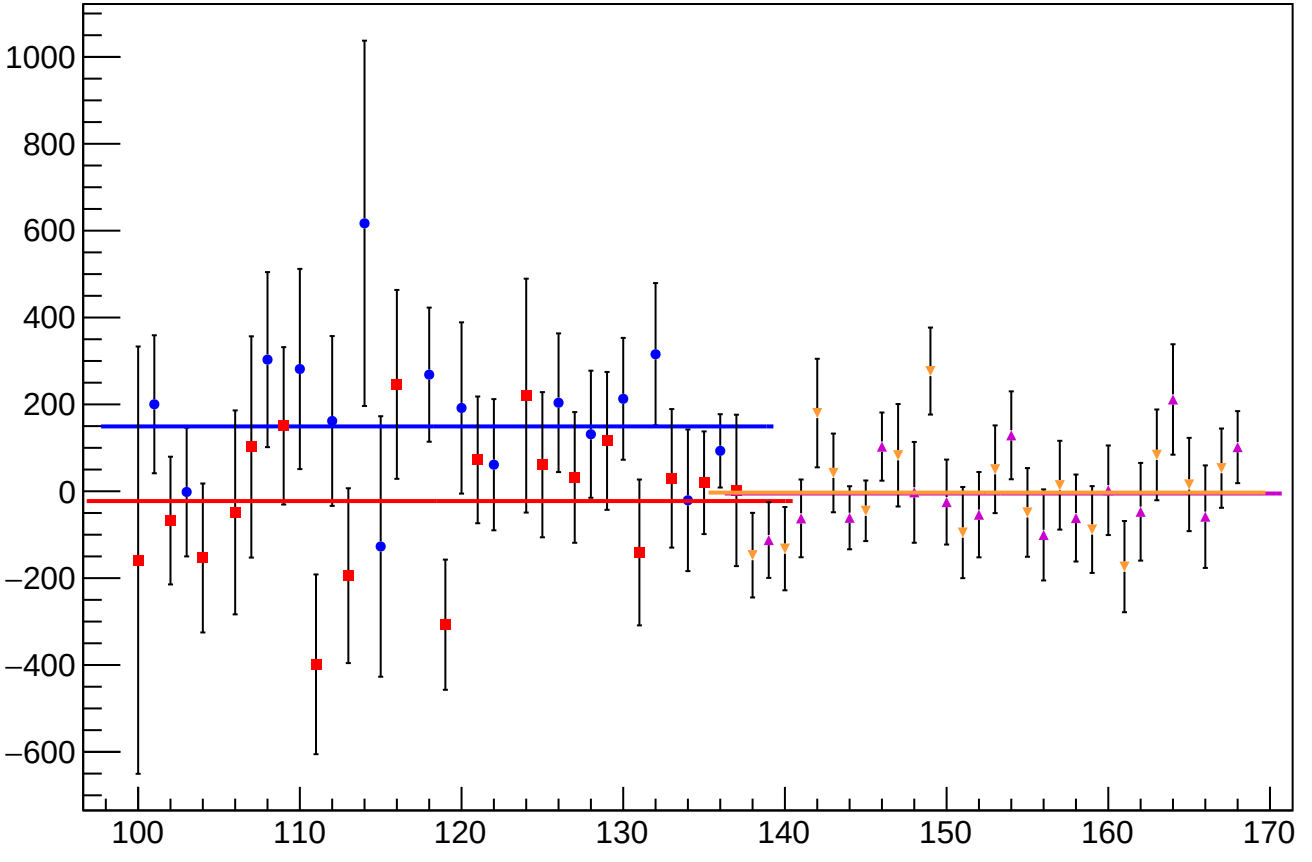
Left In: 0.000+/-0.000 χ^2/NDF:1419828.8/14

+ sign 0.000+/-0.000 χ^2/NDF: 6535871.2/31

All: 0.000+/-0.000 χ^2/NDF: 13155997.3/65

- sign 0.000+/-0.000 χ^2/NDF: 6155426.5/33

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -3.060+/-24.643 χ^2/NDF:20.8/15

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

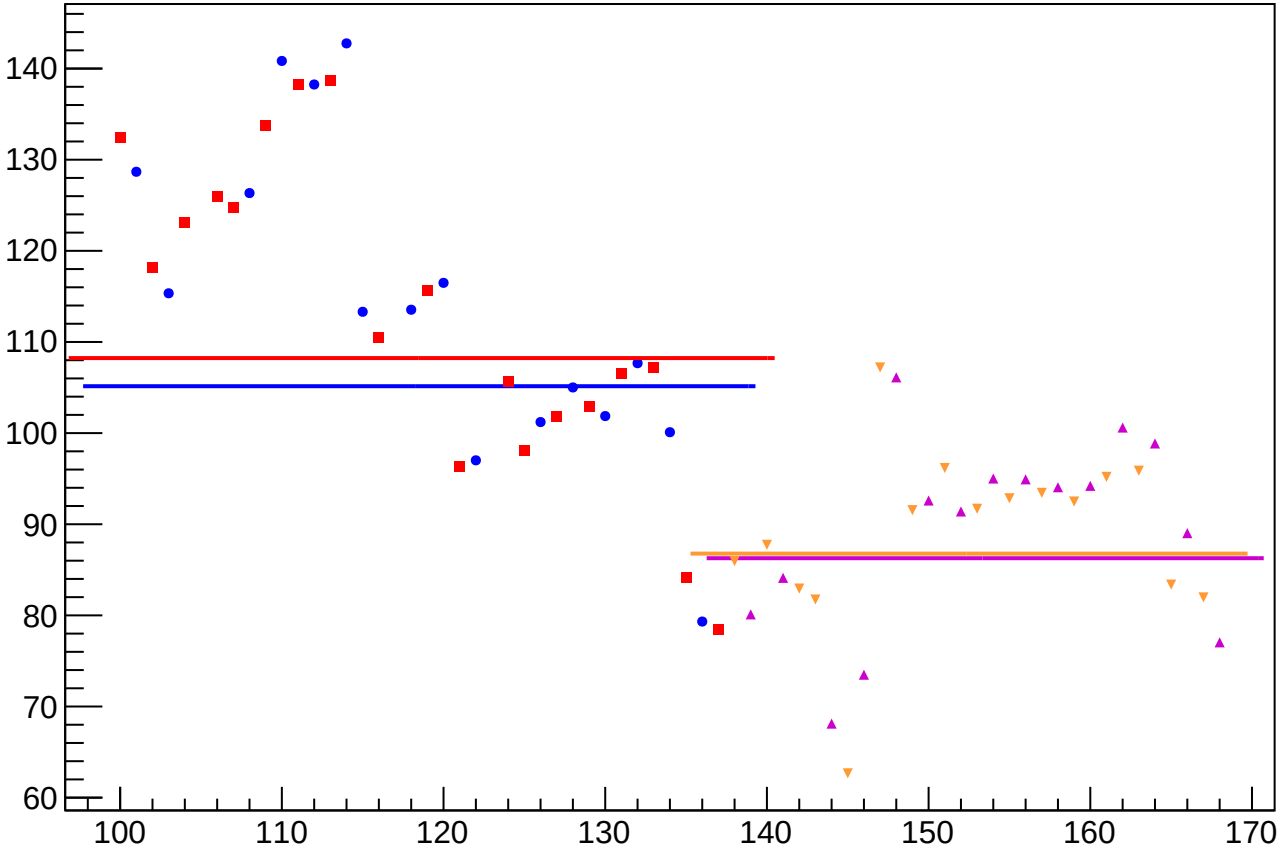
Left In: -5.146+/-24.759 χ^2/NDF:12.5/14

+ sign 39.339+/-20.936 χ^2/NDF: 39.5/31

All: 14.849+/-14.850 χ^2/NDF: 69.1/65

- sign -9.949+/-21.067 χ^2/NDF: 26.8/33

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 86.778+/-0.017 χ^2/NDF:390279.8/15

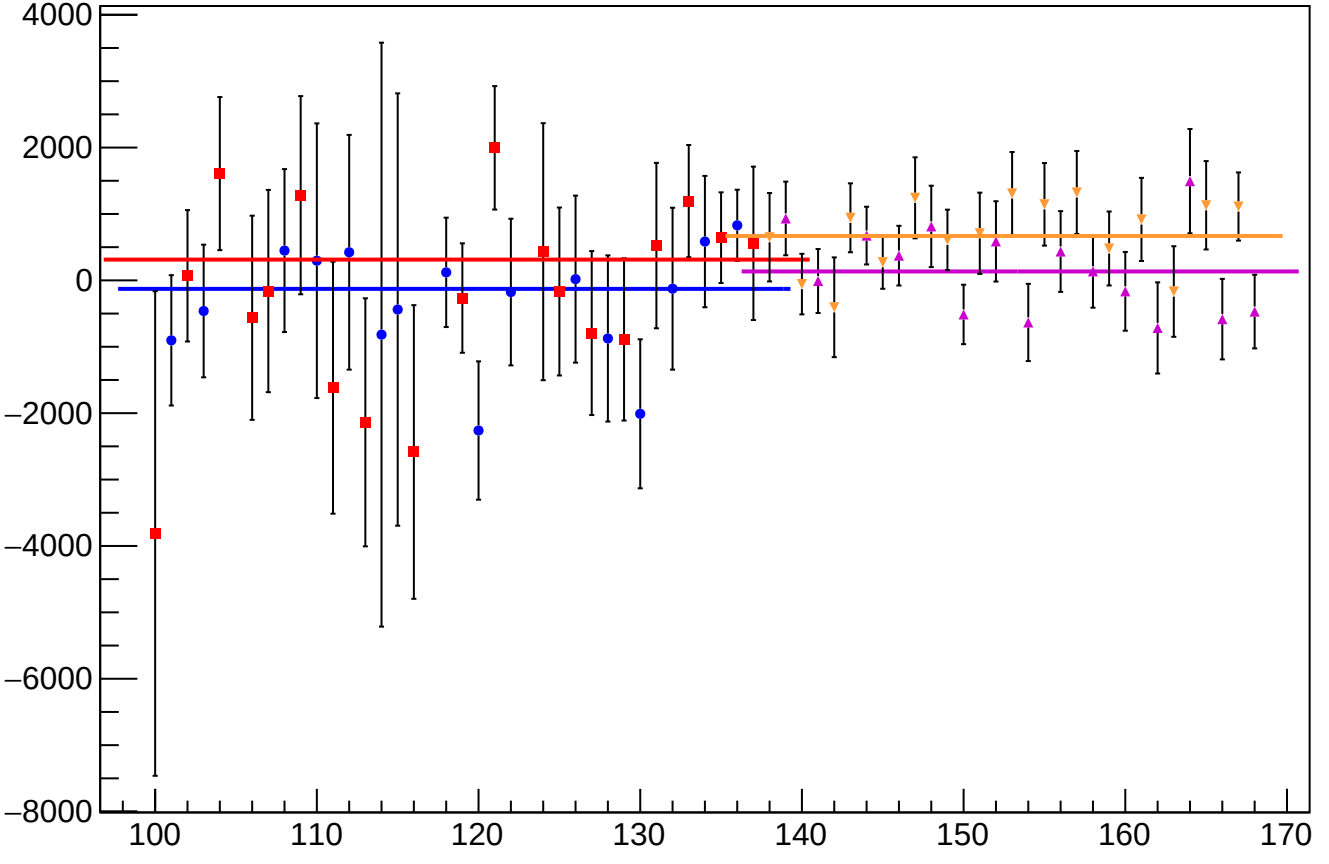
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 86.272+/-0.018 χ^2/NDF:391970.2/14

+ sign 91.889+/-0.015 χ^2/NDF: 1107884.2/31

All: 92.110+/-0.011 χ^2/NDF: 2284513.2/65

- sign 92.333+/-0.015 χ^2/NDF: 1176182.7/33



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 668.649+/-140.488 χ^2/NDF:12.5/15

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

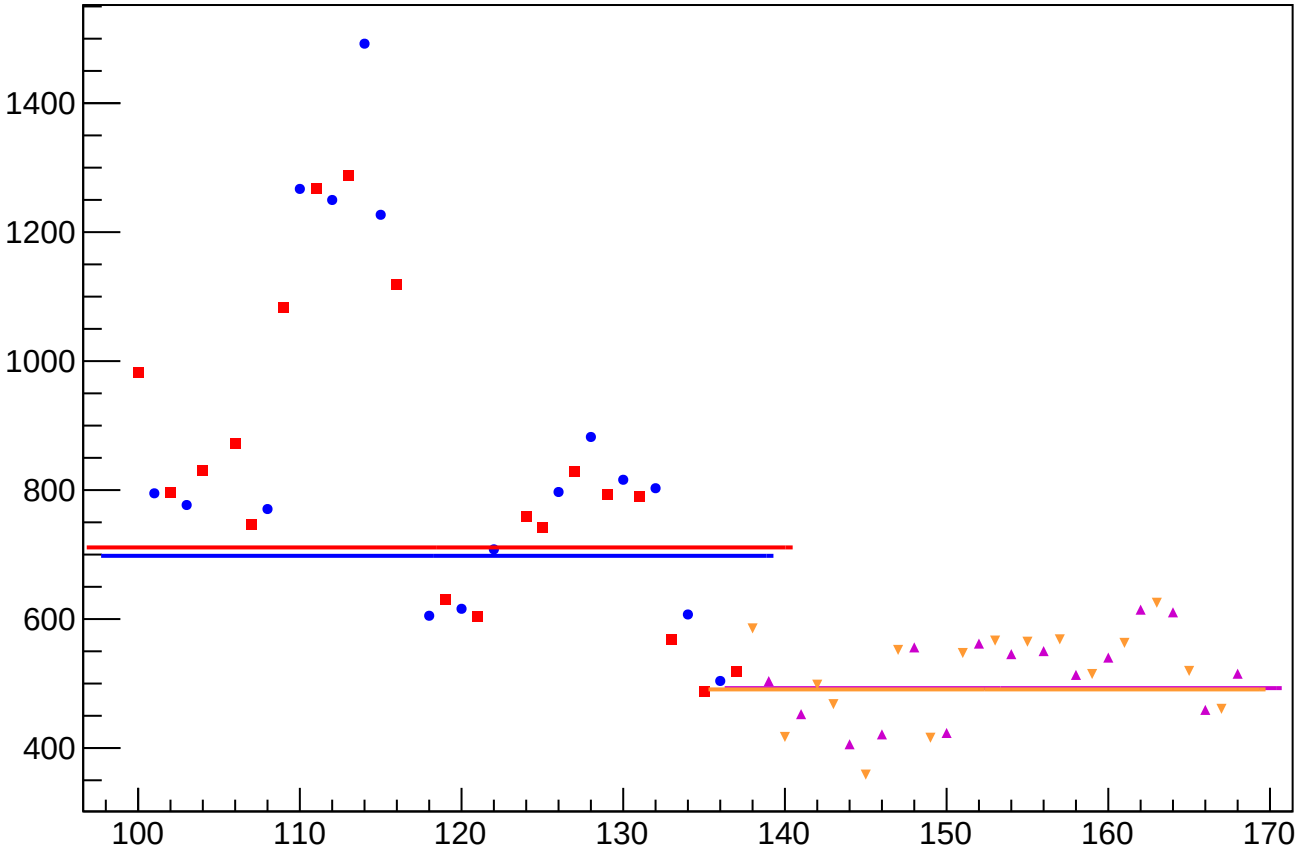
Left In: 134.339+/-141.791 χ^2/NDF:17.2/14

+ sign 497.525+/-124.489 χ^2/NDF: 31.7/31

All: 336.604+/-88.399 χ^2/NDF: 67.6/65

- sign 172.937+/-125.547 χ^2/NDF: 32.6/33

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 490.906+/-0.099 χ^2/NDF:613109.9/15

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

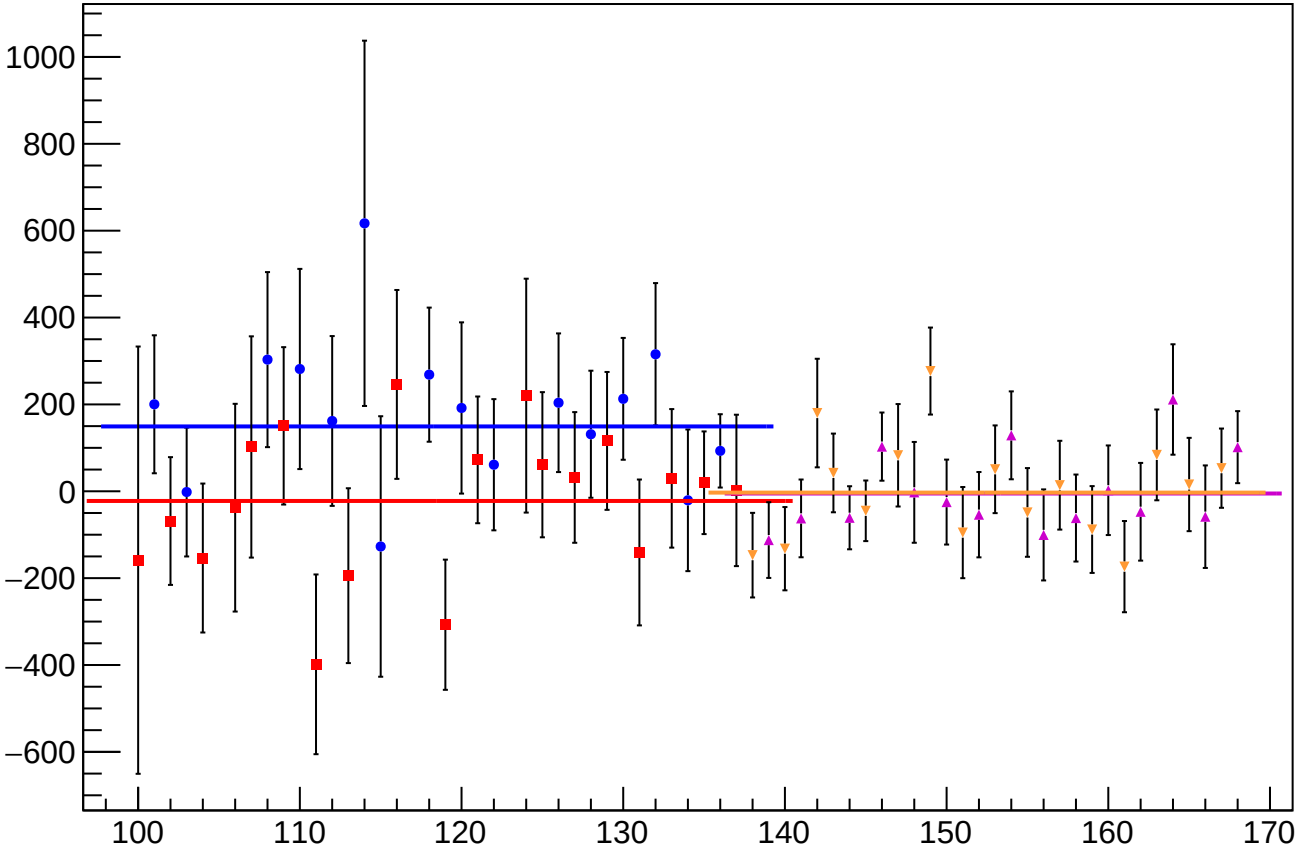
Left In: 492.907+/-0.100 χ^2/NDF:408223.3/14

+ sign 535.400+/-0.088 χ^2/NDF: 2459927.0/31

All: 537.697+/-0.063 χ^2/NDF: 4927534.8/65

- sign 540.035+/-0.089 χ^2/NDF: 2466233.2/33

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -3.062+/-24.643 χ^2/NDF:20.8/15

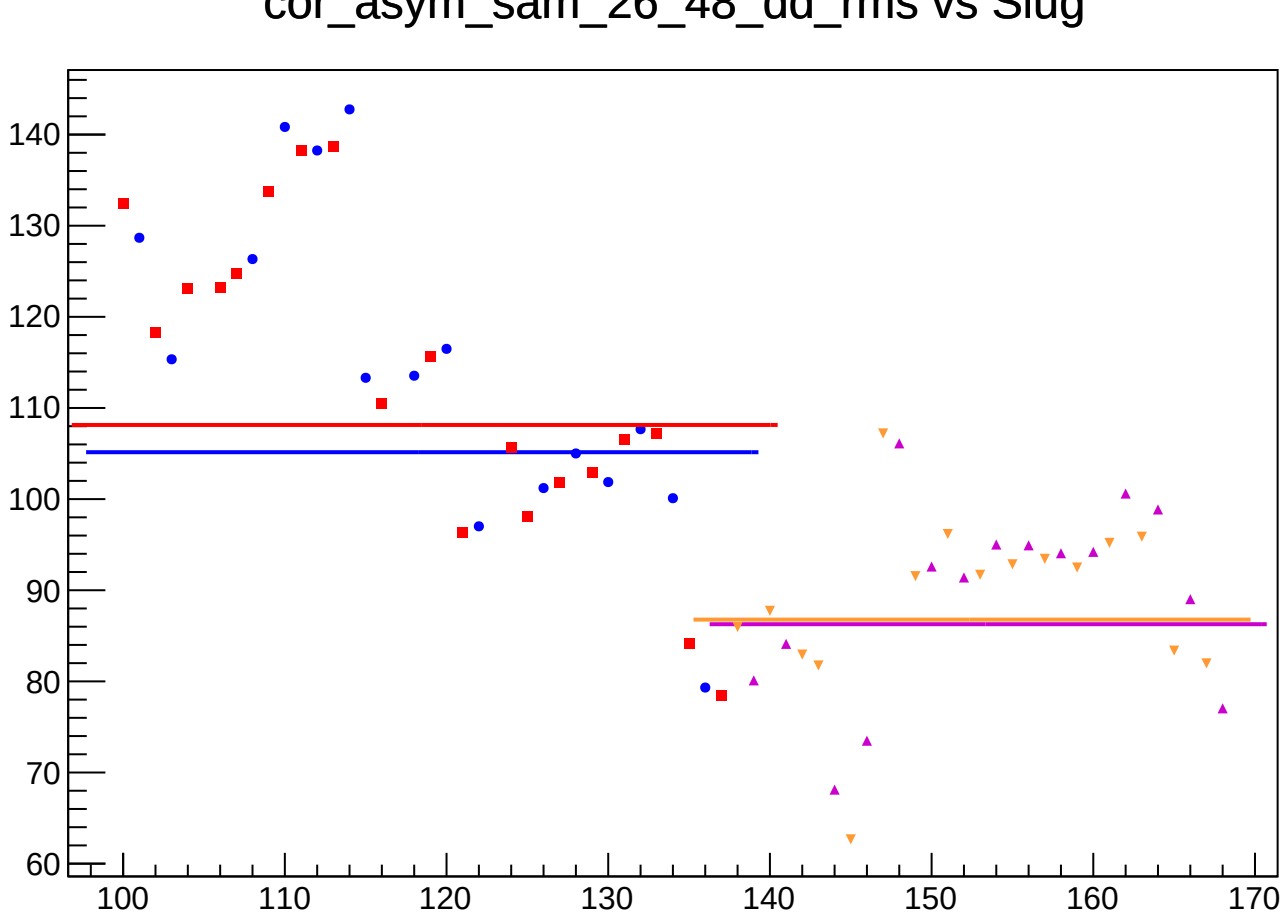
Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: -5.147+/-24.759 χ^2/NDF:12.5/14

+ sign 39.335+/-20.936 χ^2/NDF: 39.5/31

All: 14.887+/-14.851 χ^2/NDF: 69.1/65

- sign -9.876+/-21.070 χ^2/NDF: 26.8/33



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.778+/-0.017 χ^2/NDF:390279.8/15

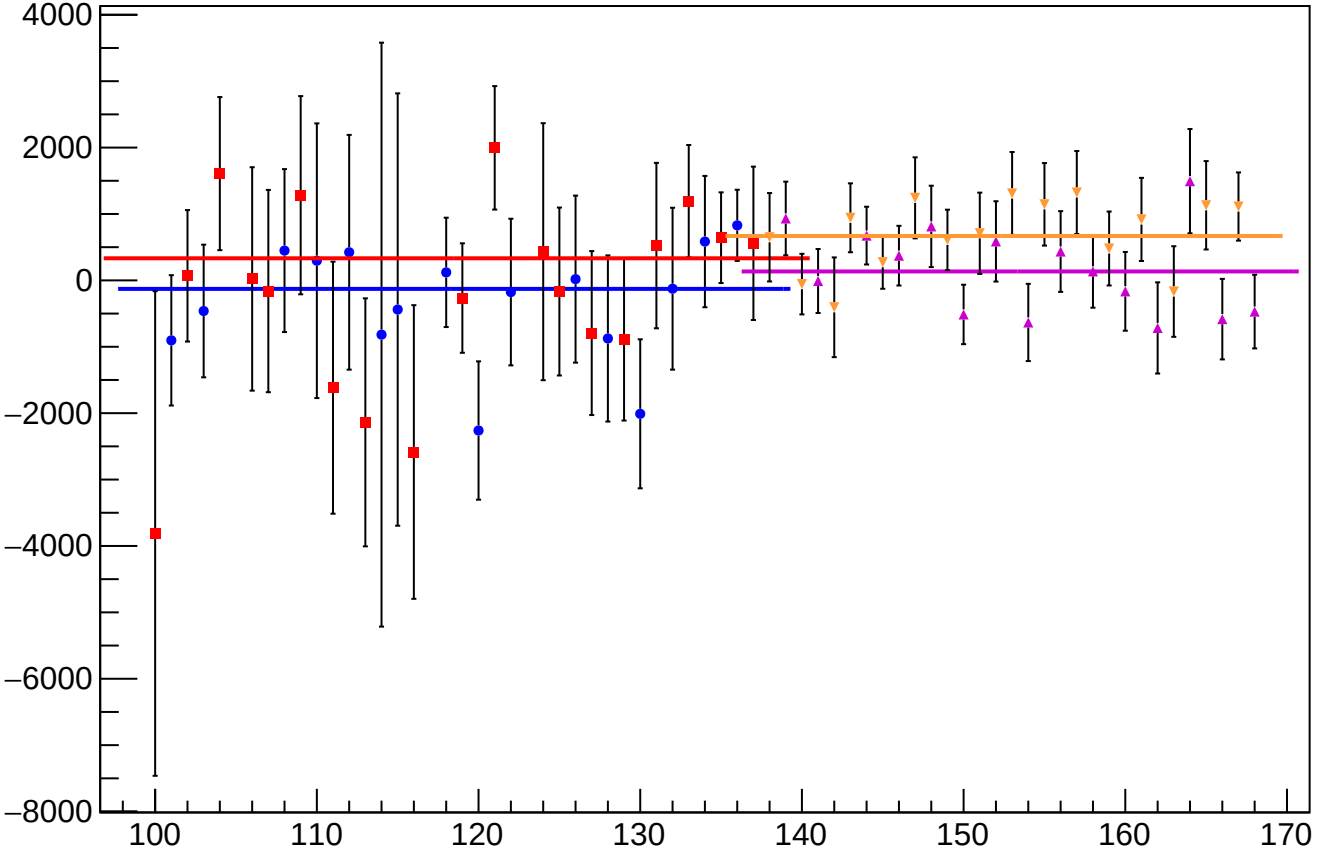
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 86.272+/-0.018 χ^2/NDF:391970.2/14

+ sign 91.889+/-0.015 χ^2/NDF: 1107884.5/31

All: 92.094+/-0.011 χ^2/NDF: 2276691.3/65

- sign 92.302+/-0.015 χ^2/NDF: 1168421.5/33



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 668.648+/-140.488 χ^2/NDF:12.5/15

Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

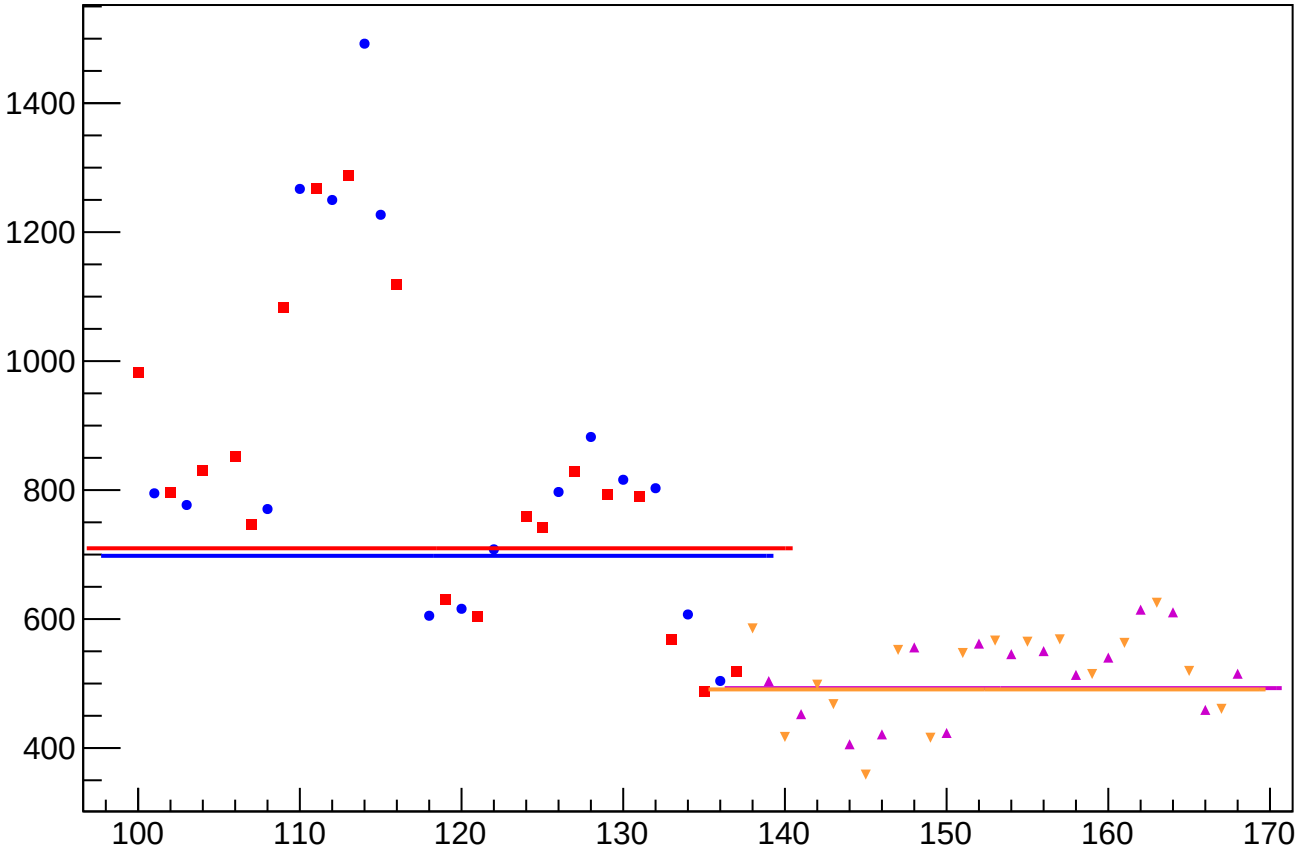
Left In: 134.340+/-141.791 χ^2/NDF:17.2/14

\+ sign 497.527+/-124.489 χ^2/NDF: 31.7/31

All: 338.712+/-88.423 χ^2/NDF: 67.3/65

\- sign 177.004+/-125.617 χ^2/NDF: 32.3/33

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 490.906+/-0.099 χ^2/NDF:613110.1/15

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

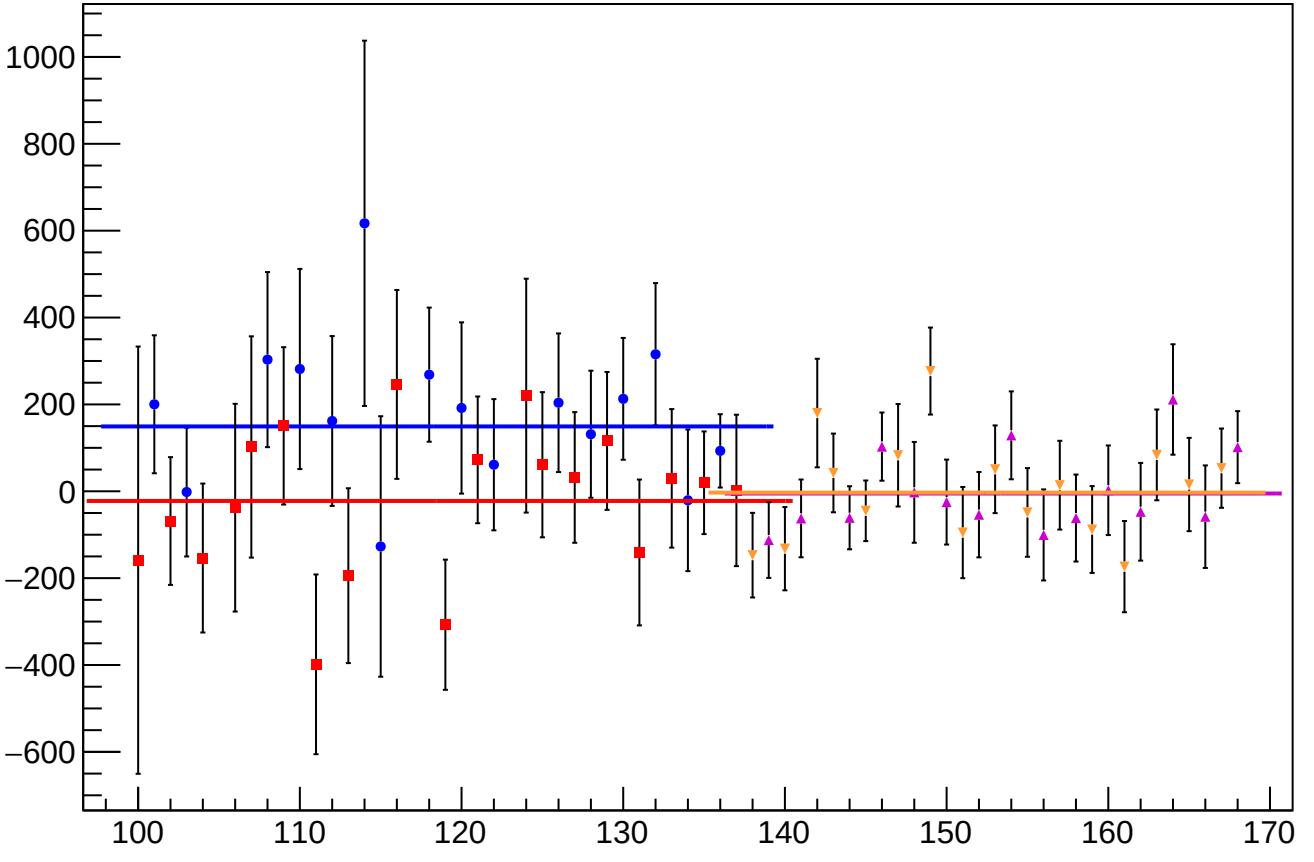
Left In: 492.907+/-0.100 χ^2/NDF:408223.6/14

+ sign 535.400+/-0.088 χ^2/NDF: 2459939.8/31

All: 537.458+/-0.063 χ^2/NDF: 4902631.3/65

- sign 539.555+/-0.089 χ^2/NDF: 2441587.5/33

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -3.062+/-24.643 χ^2/NDF:20.8/15

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

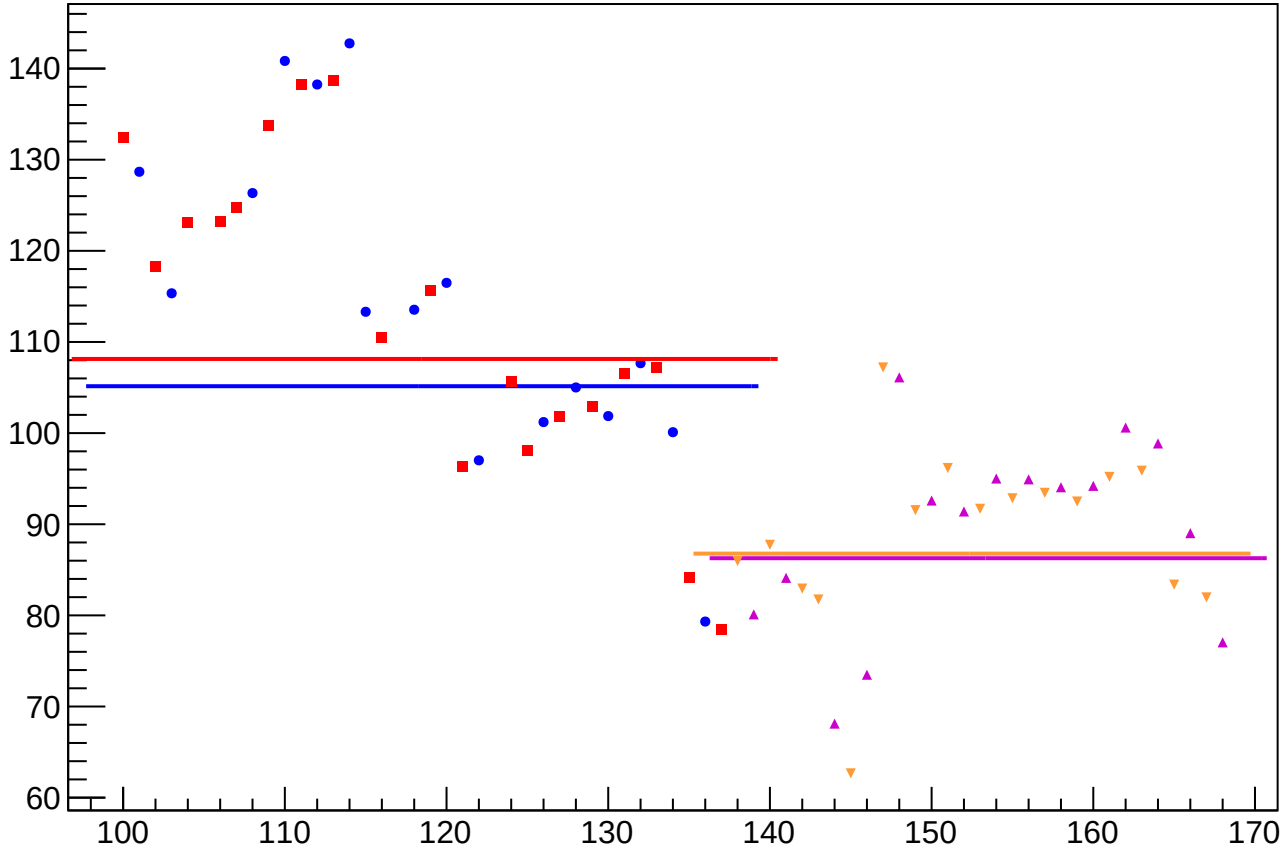
Left In: -5.147+/-24.759 χ^2/NDF:12.5/14

+ sign 39.335+/-20.936 χ^2/NDF: 39.5/31

All: 14.887+/-14.851 χ^2/NDF: 69.1/65

- sign -9.876+/-21.070 χ^2/NDF: 26.8/33

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.778+/-0.017 χ^2/NDF:390279.8/15

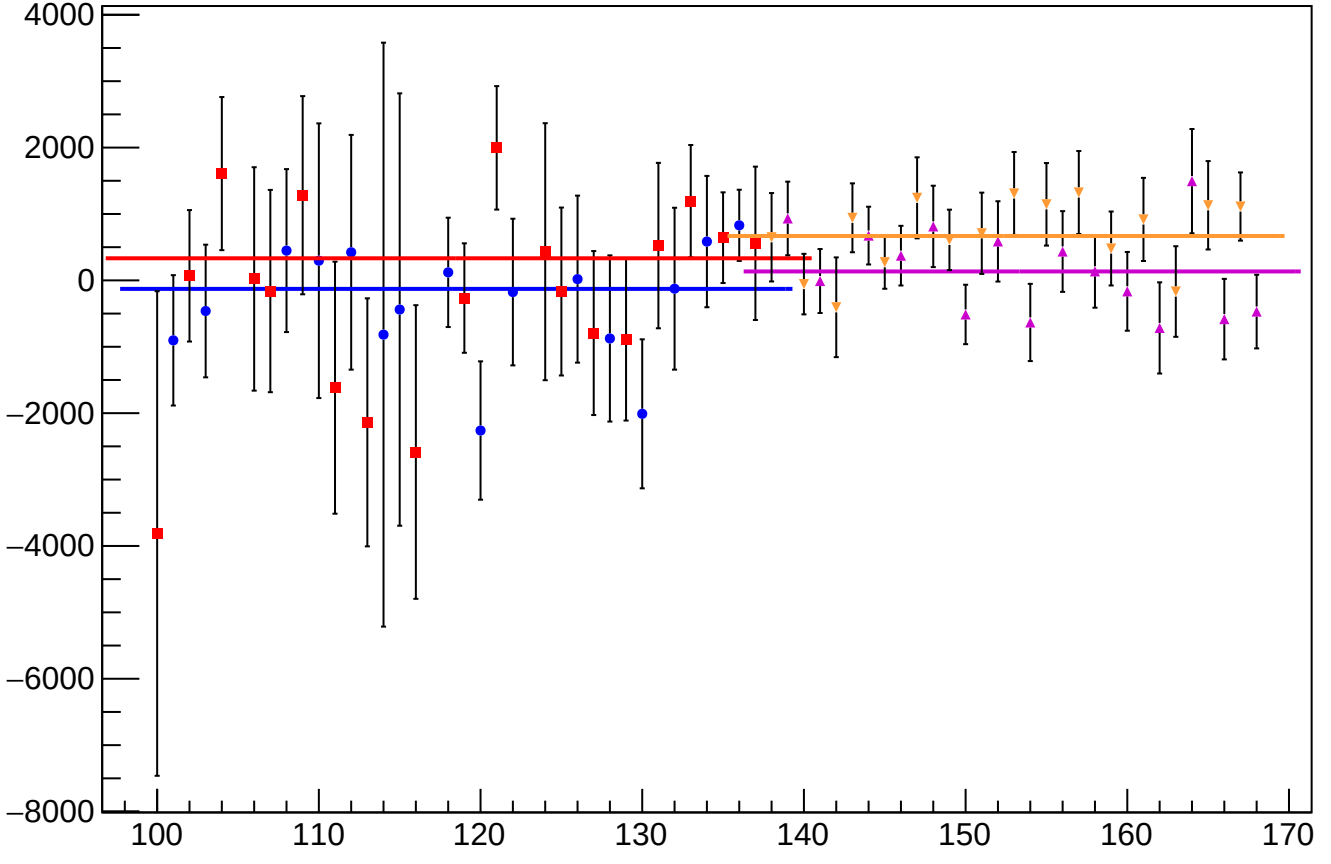
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 86.272+/-0.018 χ^2/NDF:391970.2/14

\+ sign 91.889+/-0.015 χ^2/NDF: 1107884.5/31

All: 92.094+/-0.011 χ^2/NDF: 2276691.3/65

\- sign 92.302+/-0.015 χ^2/NDF: 1168421.5/33



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 668.648+/-140.488 χ^2/NDF:12.5/15

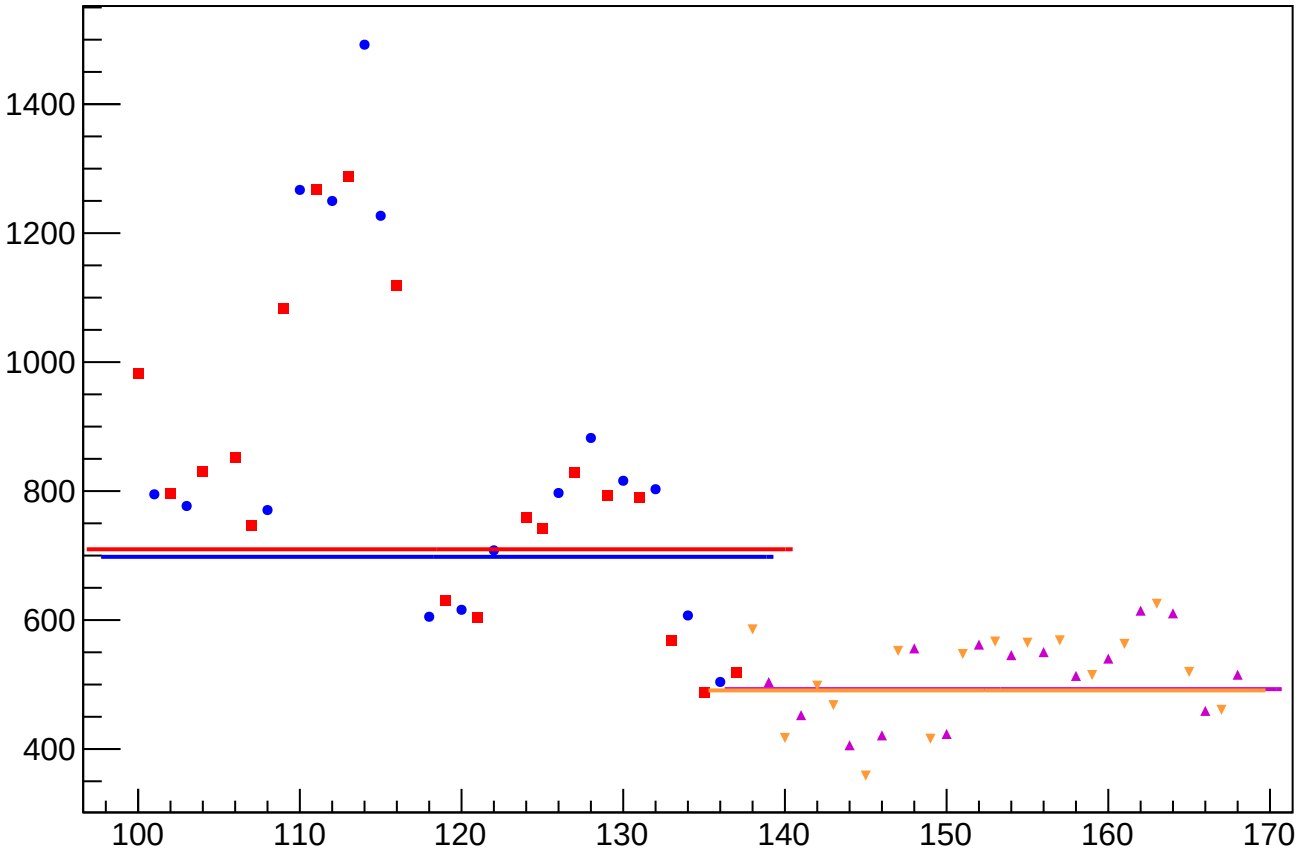
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 134.340+/-141.791 χ^2/NDF:17.2/14

+ sign 497.527+/-124.489 χ^2/NDF: 31.7/31

All: 338.712+/-88.423 χ^2/NDF: 67.3/65

- sign 177.004+/-125.617 χ^2/NDF: 32.3/33



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 490.906+/-0.099 χ^2/NDF:613110.1/15

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

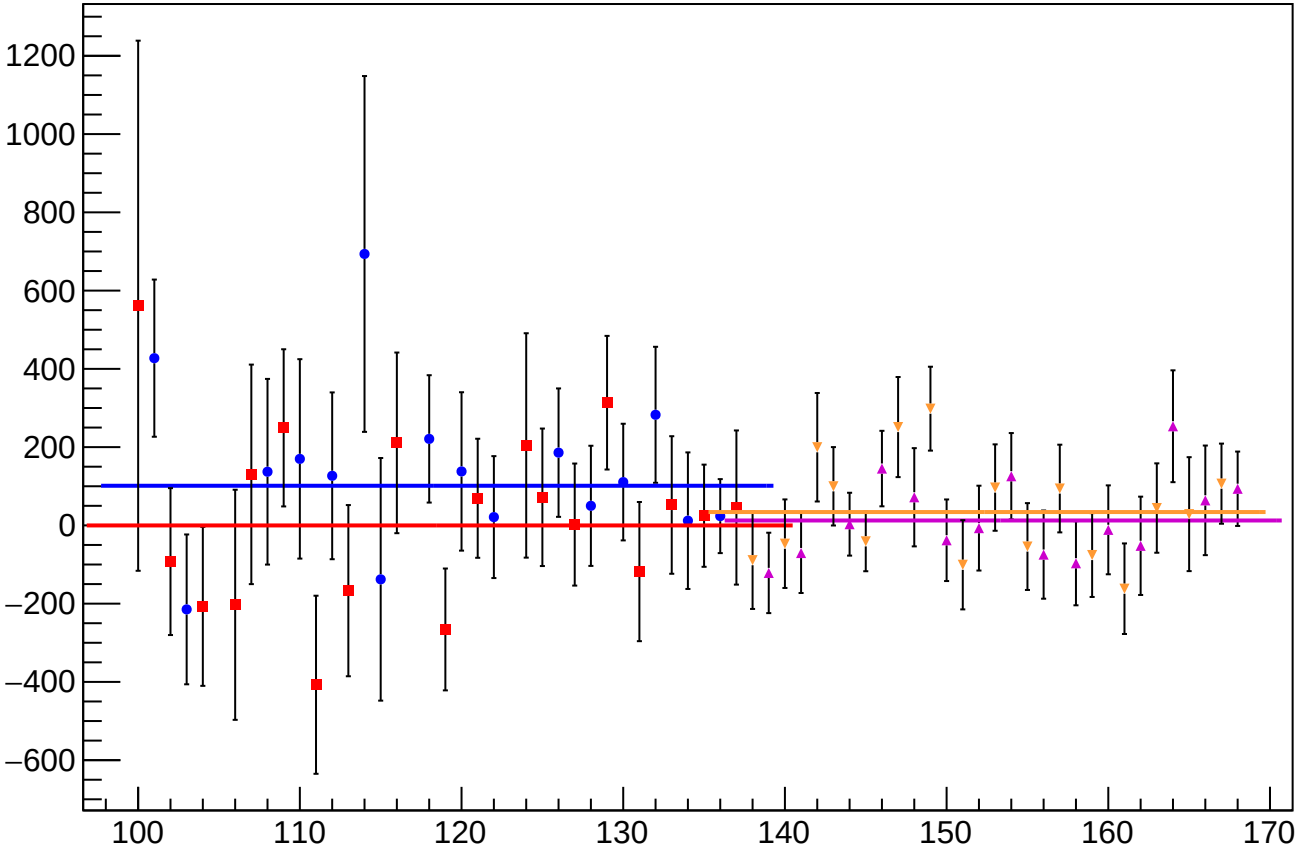
Left In: 492.907+/-0.100 χ^2/NDF:408223.6/14

+ sign 535.400+/-0.088 χ^2/NDF: 2459939.8/31

All: 537.458+/-0.063 χ^2/NDF: 4902631.3/65

- sign 539.555+/-0.089 χ^2/NDF: 2441587.5/33

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 34.108+/-27.582 χ^2/NDF:20.3/15

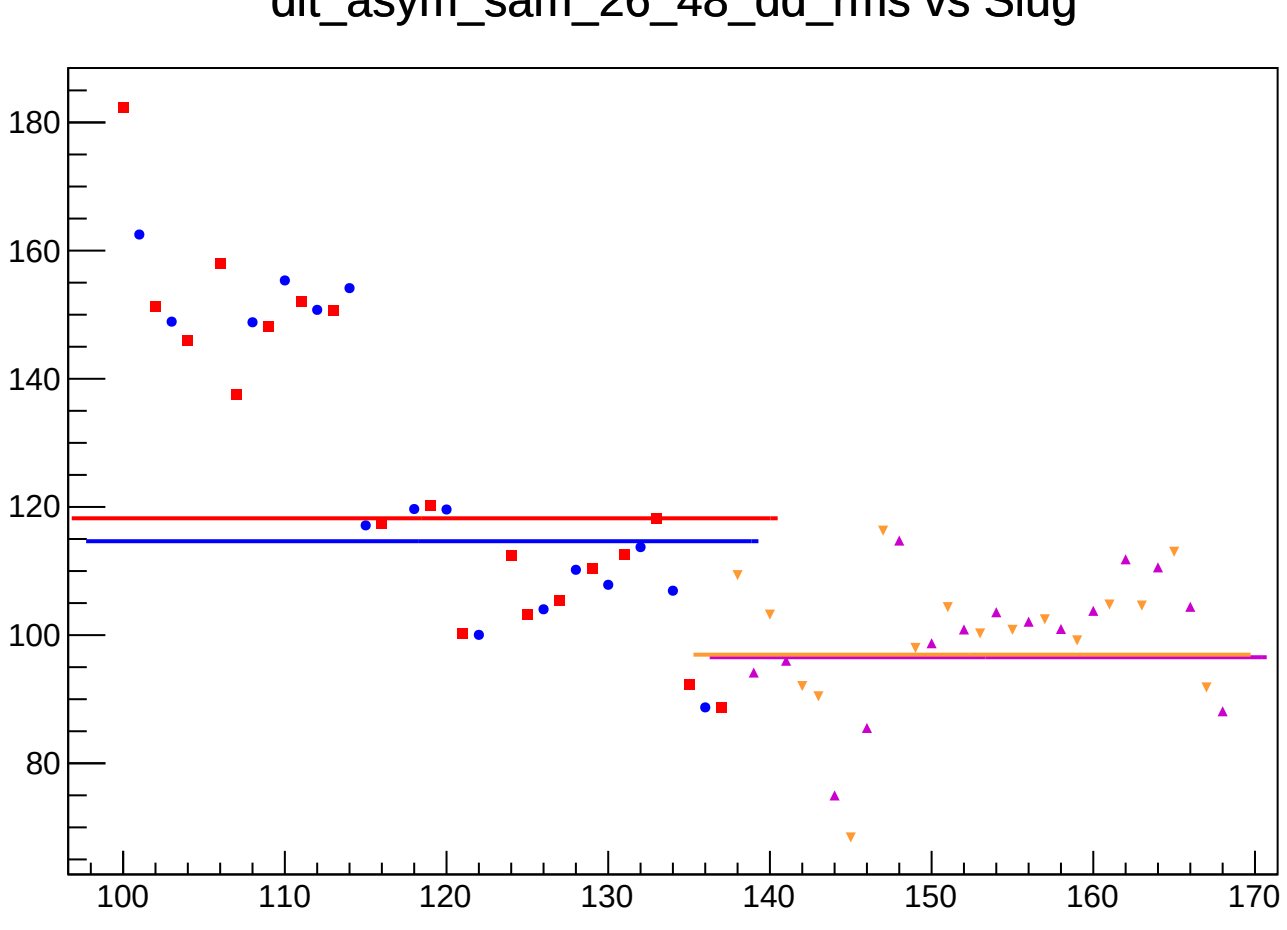
Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 12.535+/-27.816 χ^2/NDF:11.5/14

+ sign 53.364+/-23.296 χ^2/NDF: 33.0/31

All: 31.354+/-16.550 χ^2/NDF: 63.0/65

- sign 8.924+/-23.517 χ^2/NDF: 28.1/33



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 96.950+/-0.020 χ^2/NDF:427460.4/15

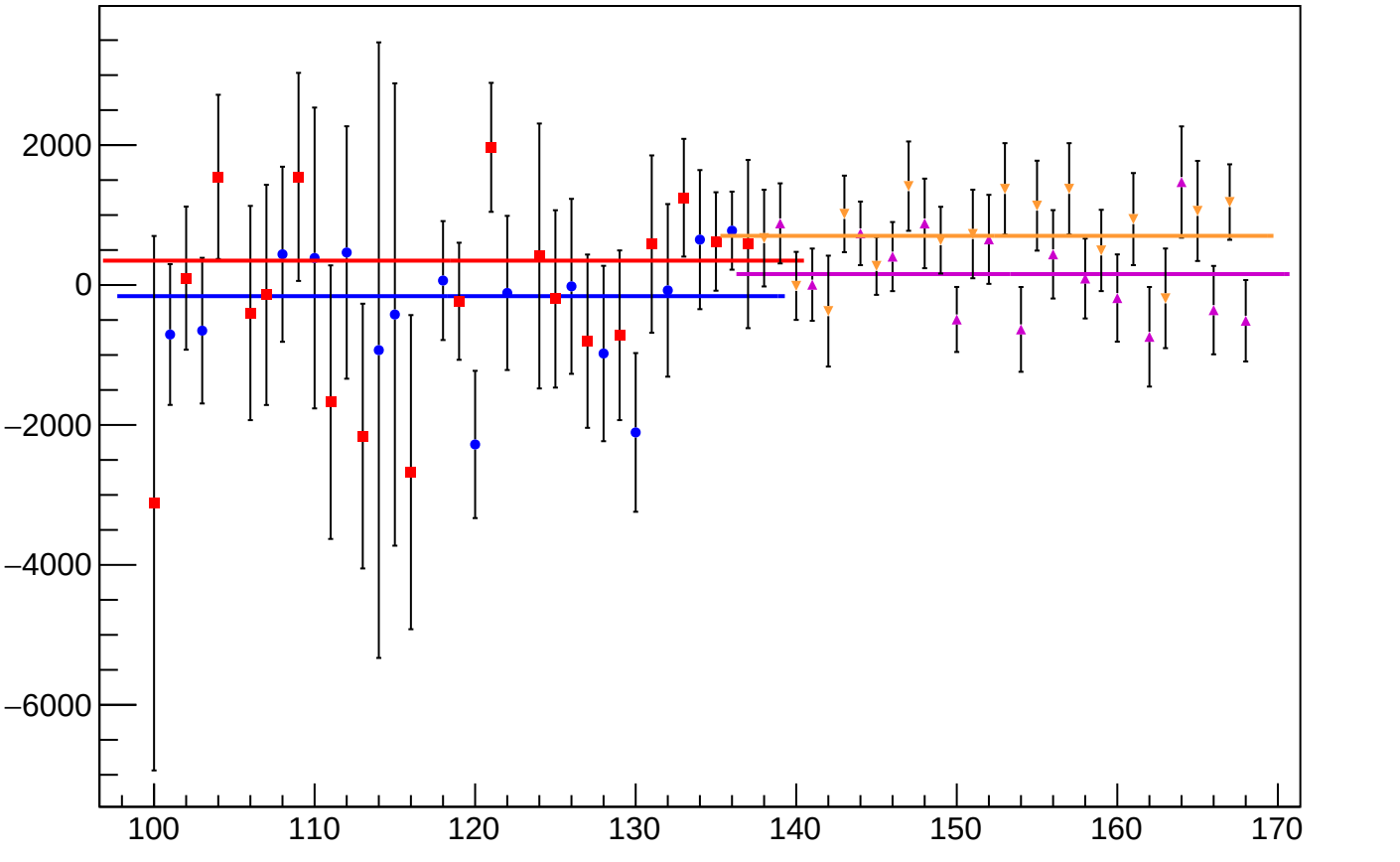
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 96.549+/-0.020 χ^2/NDF:312945.6/14

+ sign 102.025+/-0.016 χ^2/NDF: 1195657.7/31

All: 102.376+/-0.012 χ^2/NDF: 2339481.9/65

- sign 102.733+/-0.017 χ^2/NDF: 1142909.9/33



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 702.752+/-147.141 χ^2/NDF:12.1/15

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

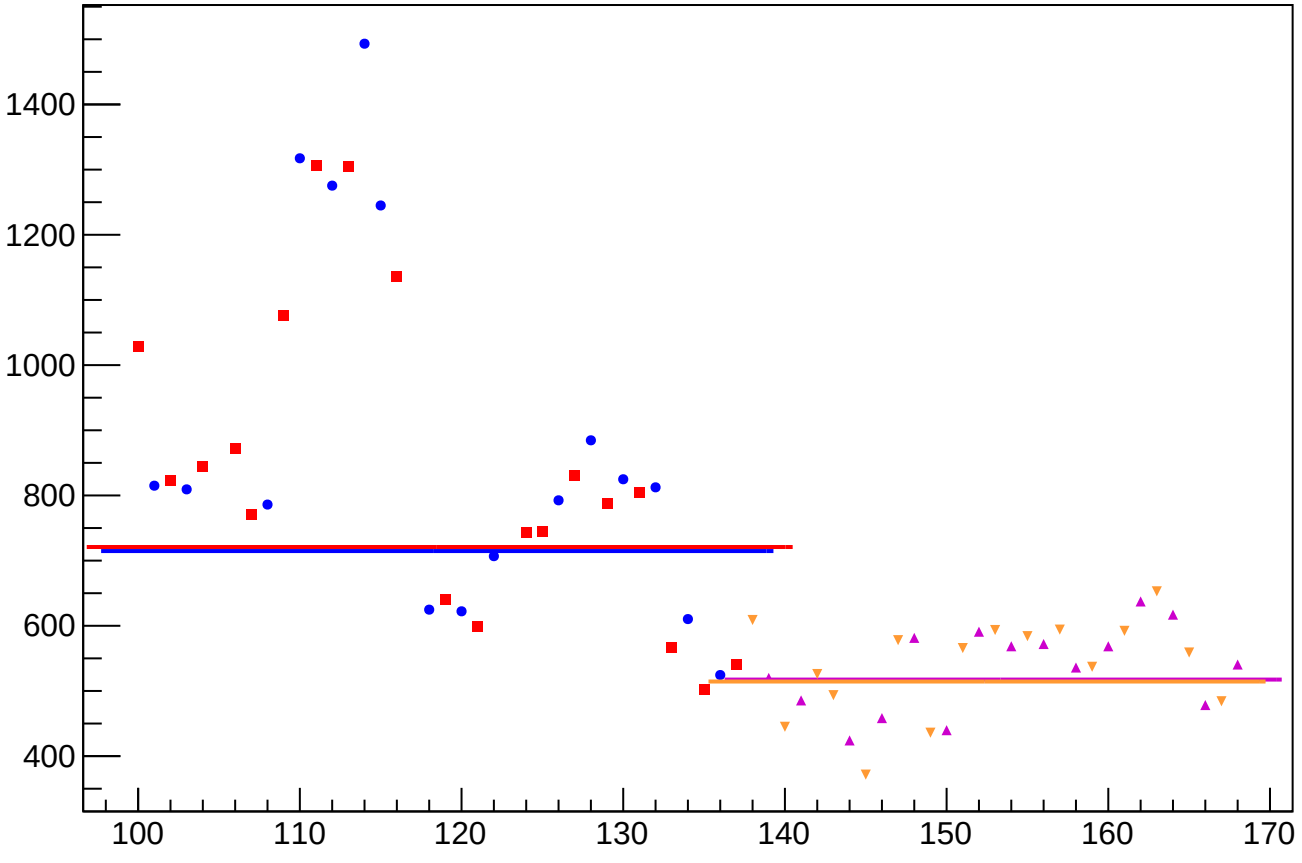
Left In: 156.658+/-148.795 χ^2/NDF:15.9/14

+ sign 510.448+/-129.691 χ^2/NDF: 31.7/31

All: 356.670+/-92.065 χ^2/NDF: 65.2/65

- sign 200.455+/-130.715 χ^2/NDF: 30.6/33

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 514.479+/-0.104 χ^2/NDF:609959.2/15

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

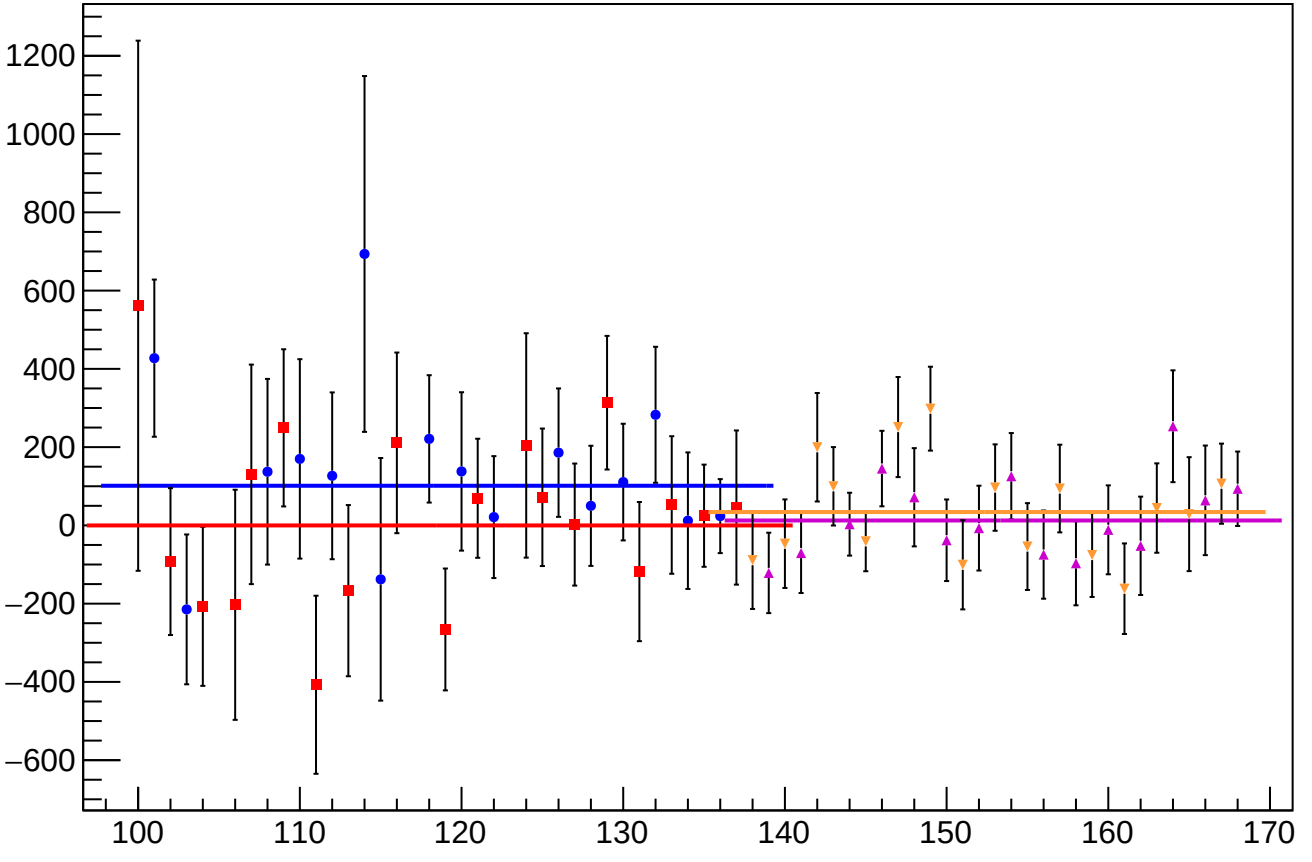
Left In: 517.463+/-0.105 χ^2/NDF:367000.3/14

+ sign 559.146+/-0.092 χ^2/NDF: 2312187.7/31

All: 561.503+/-0.065 χ^2/NDF: 4552205.4/65

- sign 563.896+/-0.092 χ^2/NDF: 2238686.6/33

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 34.107+/-27.582 χ^2/NDF:20.3/15

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

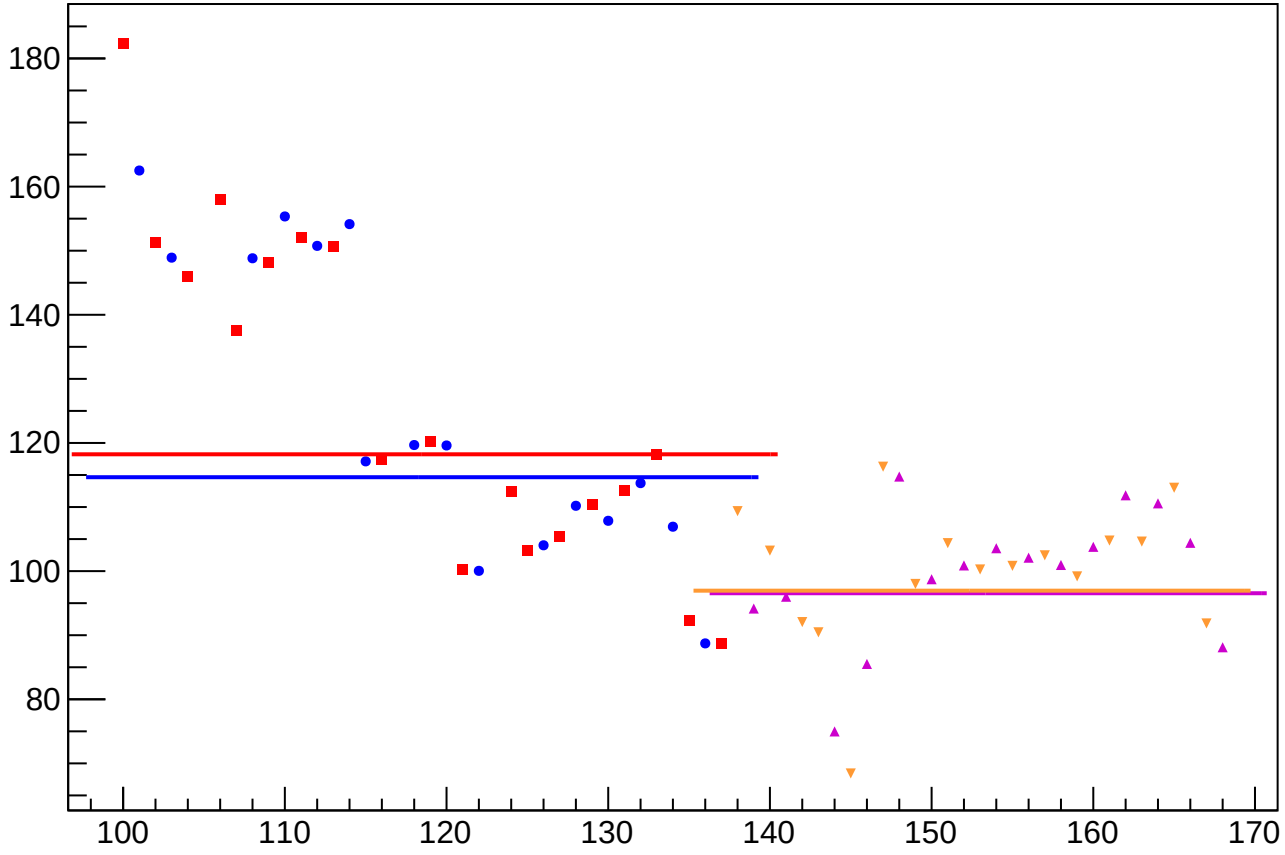
Left In: 12.536+/-27.816 χ^2/NDF:11.5/14

+ sign 53.363+/-23.296 χ^2/NDF: 33.0/31

All: 31.354+/-16.550 χ^2/NDF: 63.0/65

- sign 8.925+/-23.517 χ^2/NDF: 28.1/33

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 96.950+/-0.020 χ^2/NDF:427467.7/15

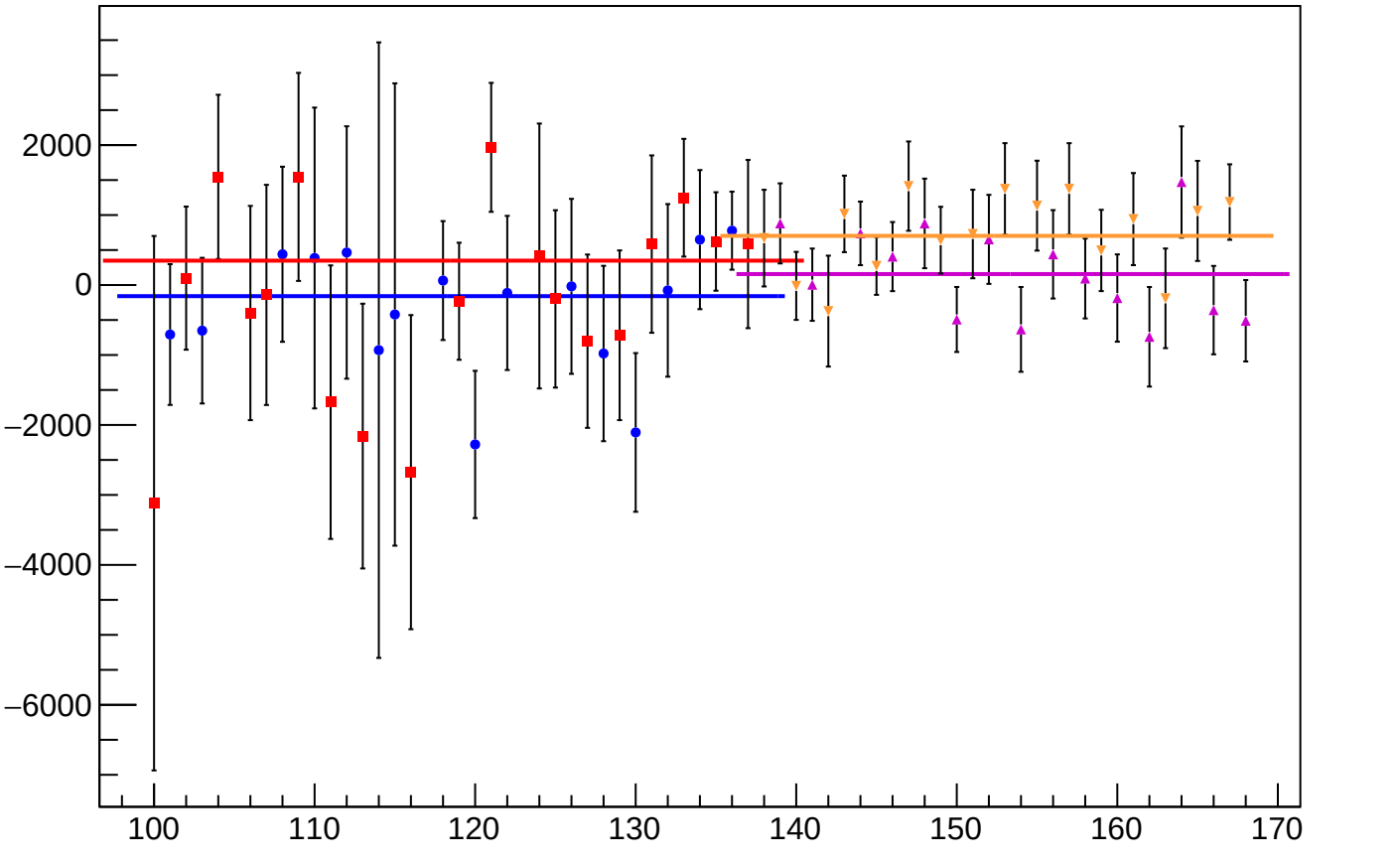
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 96.550+/-0.020 χ^2/NDF:312947.1/14

+ sign 102.025+/-0.016 χ^2/NDF: 1195655.7/31

All: 102.376+/-0.012 χ^2/NDF: 2339473.6/65

- sign 102.733+/-0.017 χ^2/NDF: 1142903.7/33



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 702.751+/-147.141 χ^2/NDF:12.1/15

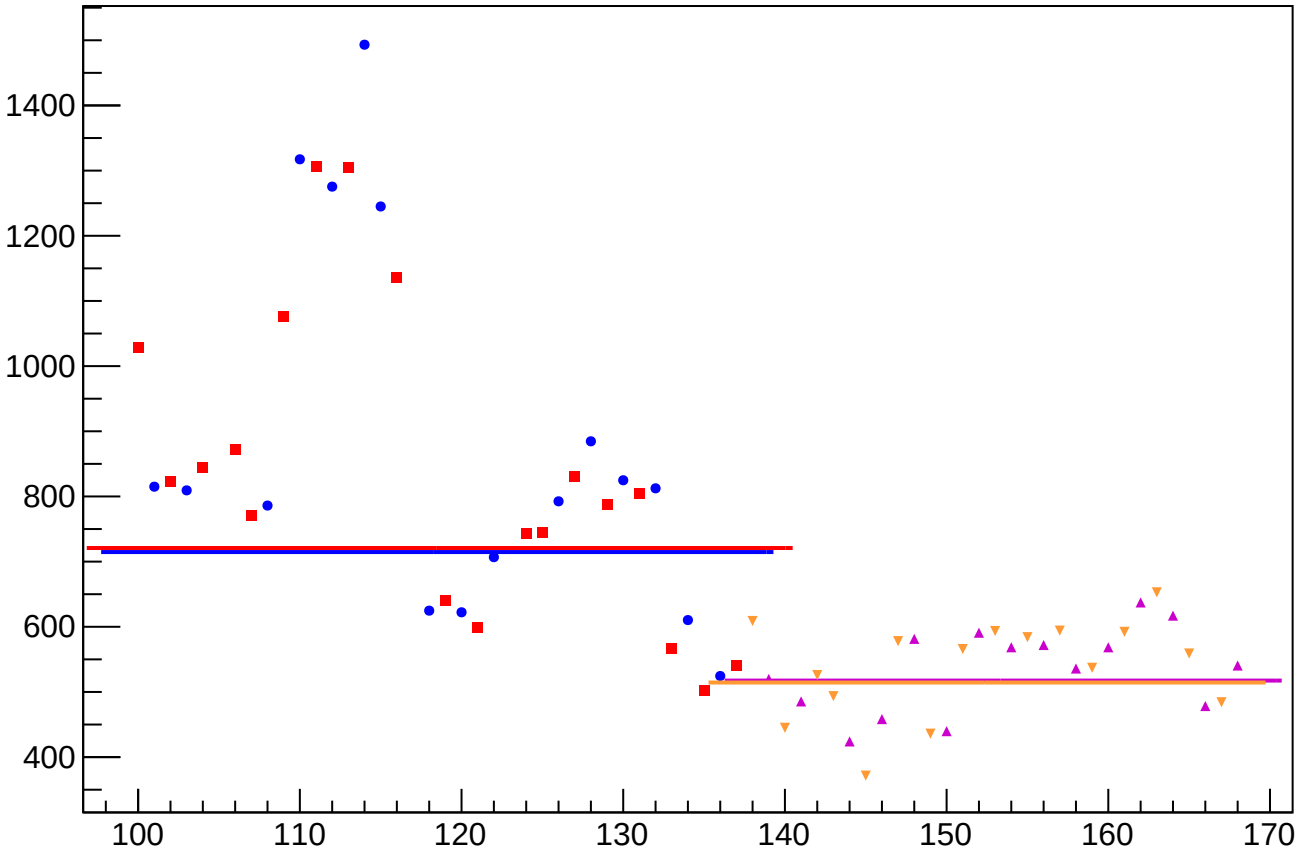
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 156.659+/-148.795 χ^2/NDF:15.9/14

+ sign 510.446+/-129.691 χ^2/NDF: 31.7/31

All: 356.670+/-92.065 χ^2/NDF: 65.2/65

- sign 200.455+/-130.715 χ^2/NDF: 30.6/33



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 514.479+/-0.104 χ^2/NDF:609961.6/15

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

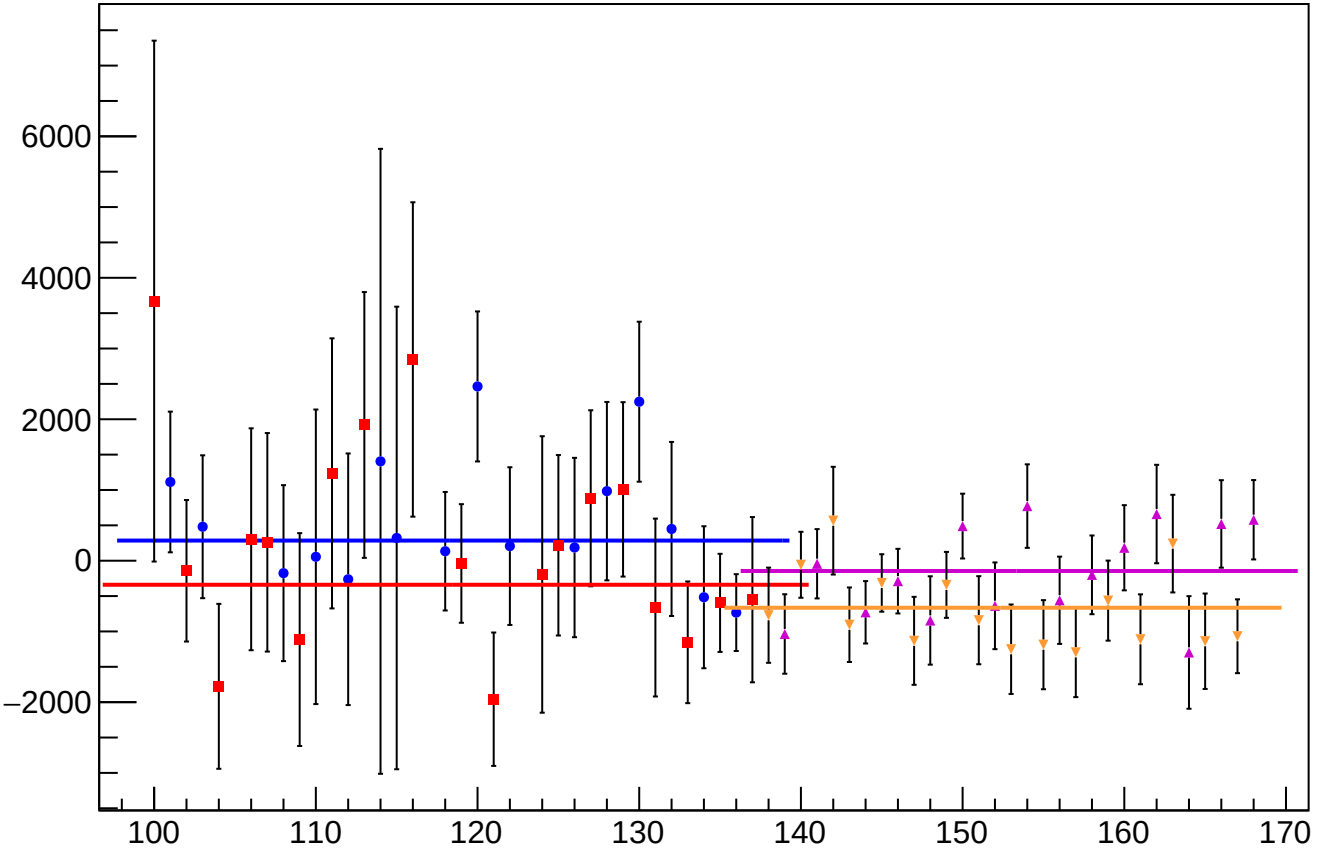
Left In: 517.463+/-0.105 χ^2/NDF:366998.8/14

+ sign 559.146+/-0.092 χ^2/NDF: 2312185.1/31

All: 561.503+/-0.065 χ^2/NDF: 4552192.9/65

- sign 563.897+/-0.092 χ^2/NDF: 2238676.6/33

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -664.937+/-142.802 χ^2/NDF:12.3/15

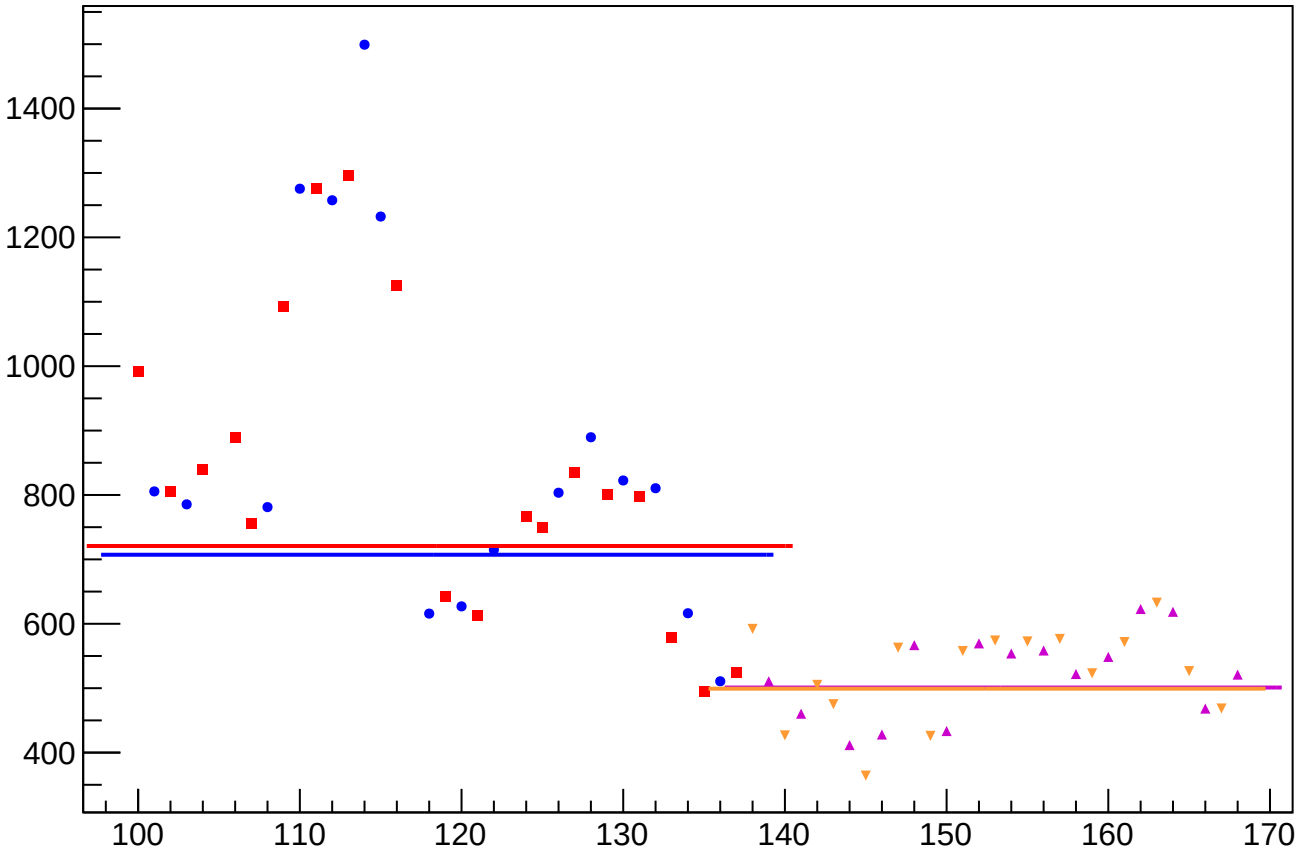
Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: -145.432+/-144.081 χ^2/NDF:17.7/14

+ sign -459.661+/-126.430 χ^2/NDF: 34.6/31

All: -324.799+/-89.770 χ^2/NDF: 69.1/65

- sign -187.679+/-127.484 χ^2/NDF: 32.1/33



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 499.253+/-0.101 χ^2/NDF:598738.5/15

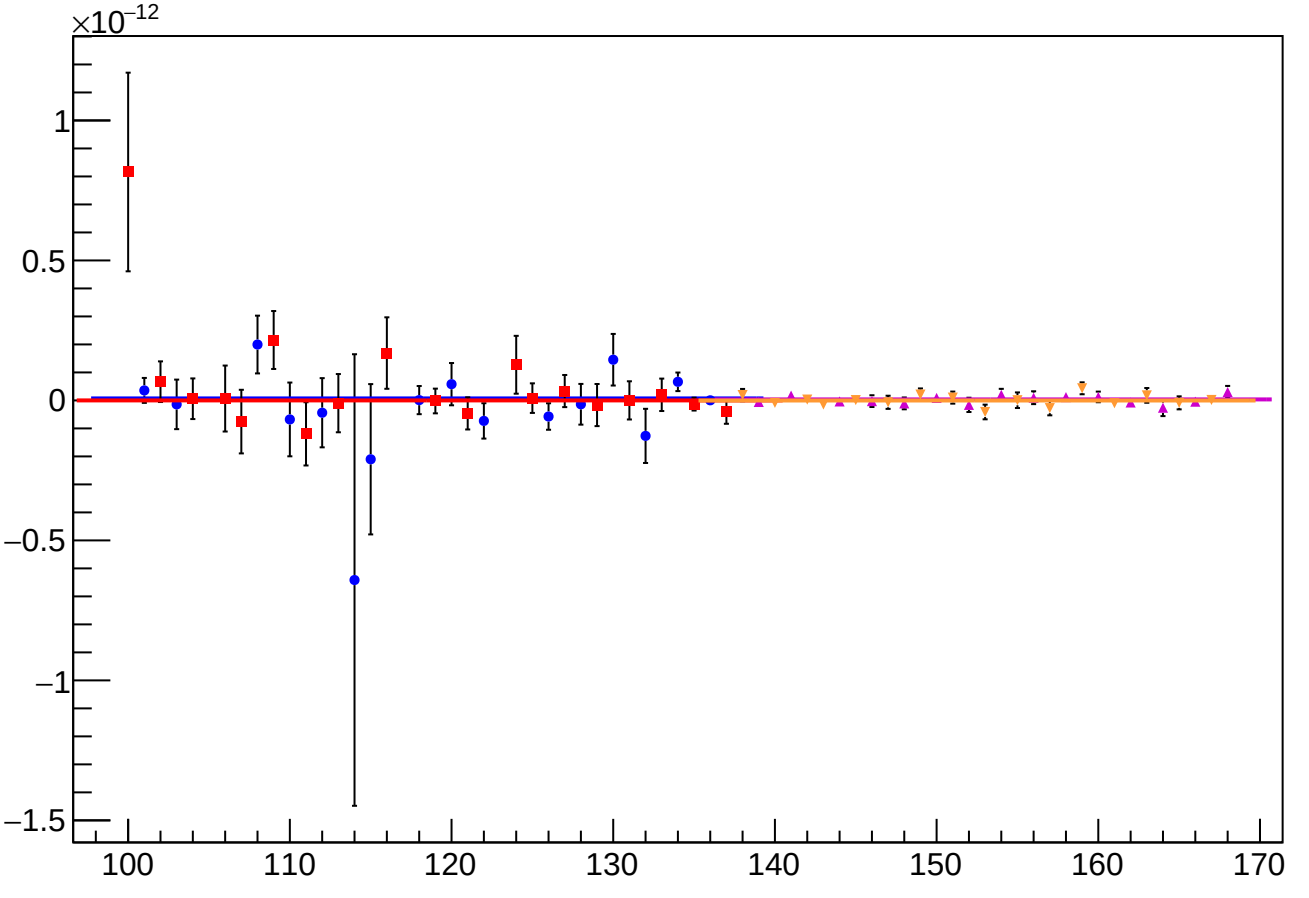
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 501.027+/-0.102 χ^2/NDF:400092.9/14

+ sign 544.202+/-0.089 χ^2/NDF: 2412176.9/31

All: 546.450+/-0.063 χ^2/NDF: 4838905.5/65

- sign 548.737+/-0.090 χ^2/NDF: 2425452.8/33



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/15

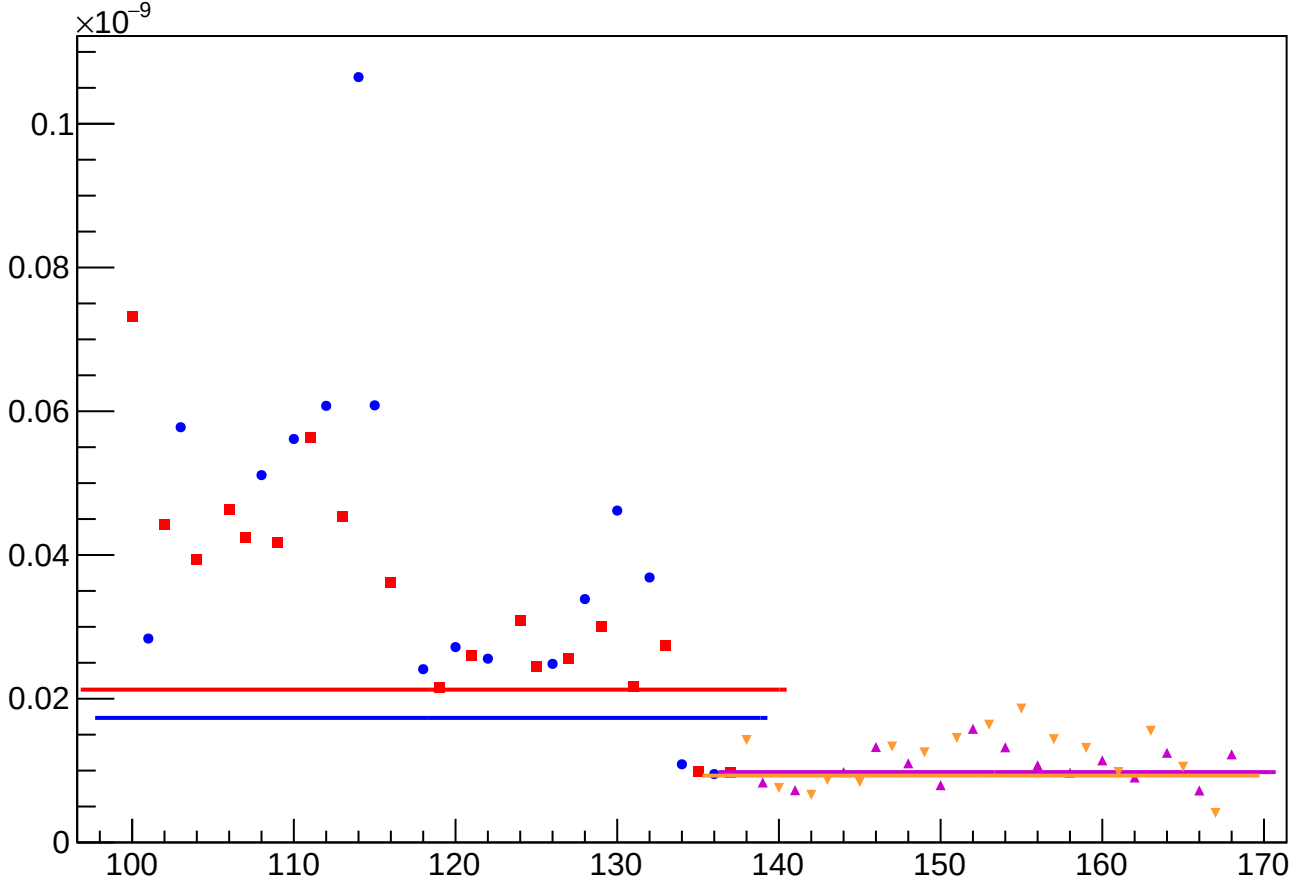
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 29.8/31

All: 0.000+/-0.000 χ^2/NDF: 54.9/65

- sign 0.000+/-0.000 χ^2/NDF: 25.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1675938.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

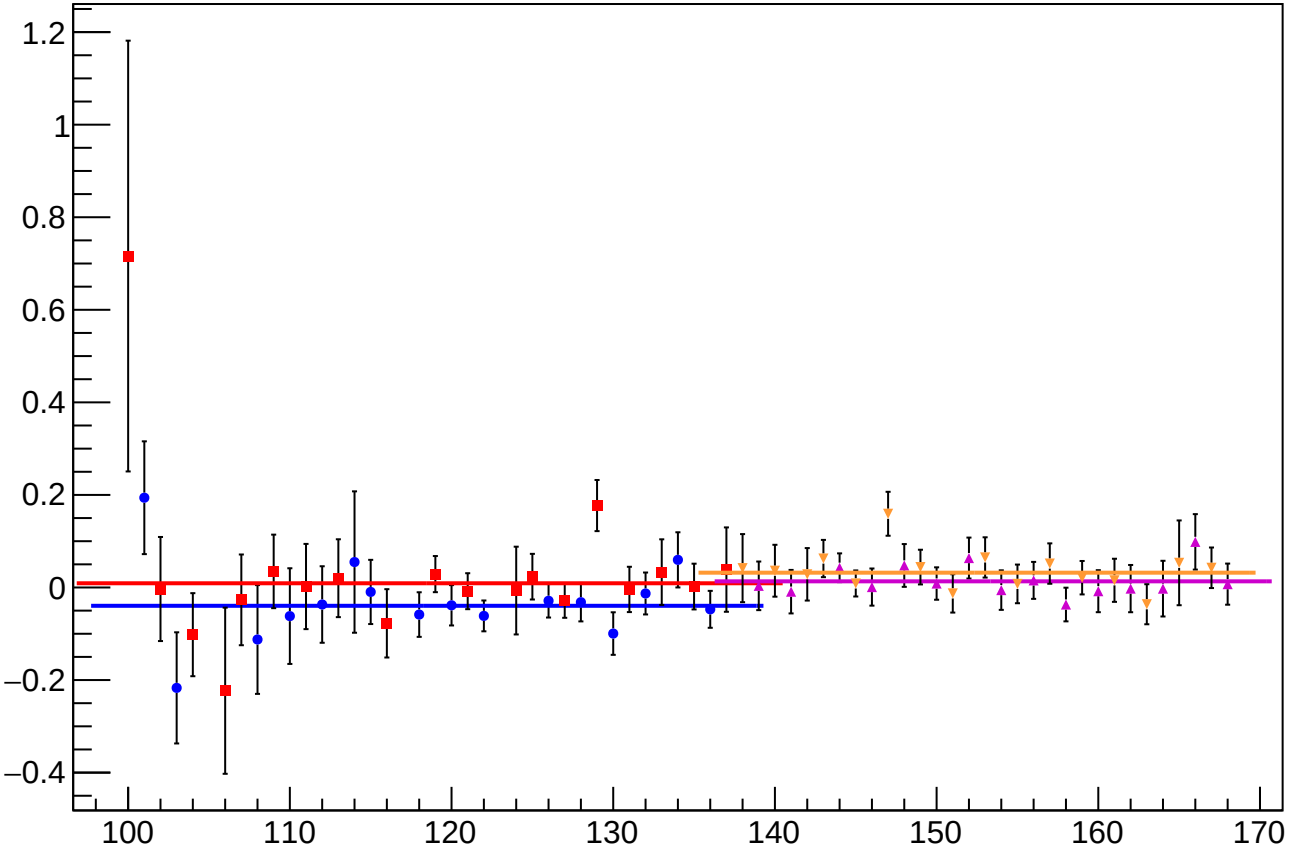
Left In: 0.000+/-0.000 χ^2/NDF:461863.6/14

+ sign 0.000+/-0.000 χ^2/NDF: 4899470.7/31

All: 0.000+/-0.000 χ^2/NDF: 8370704.9/65

- sign 0.000+/-0.000 χ^2/NDF: 3444902.8/33

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.032+/-0.011 χ^2/NDF:13.7/15

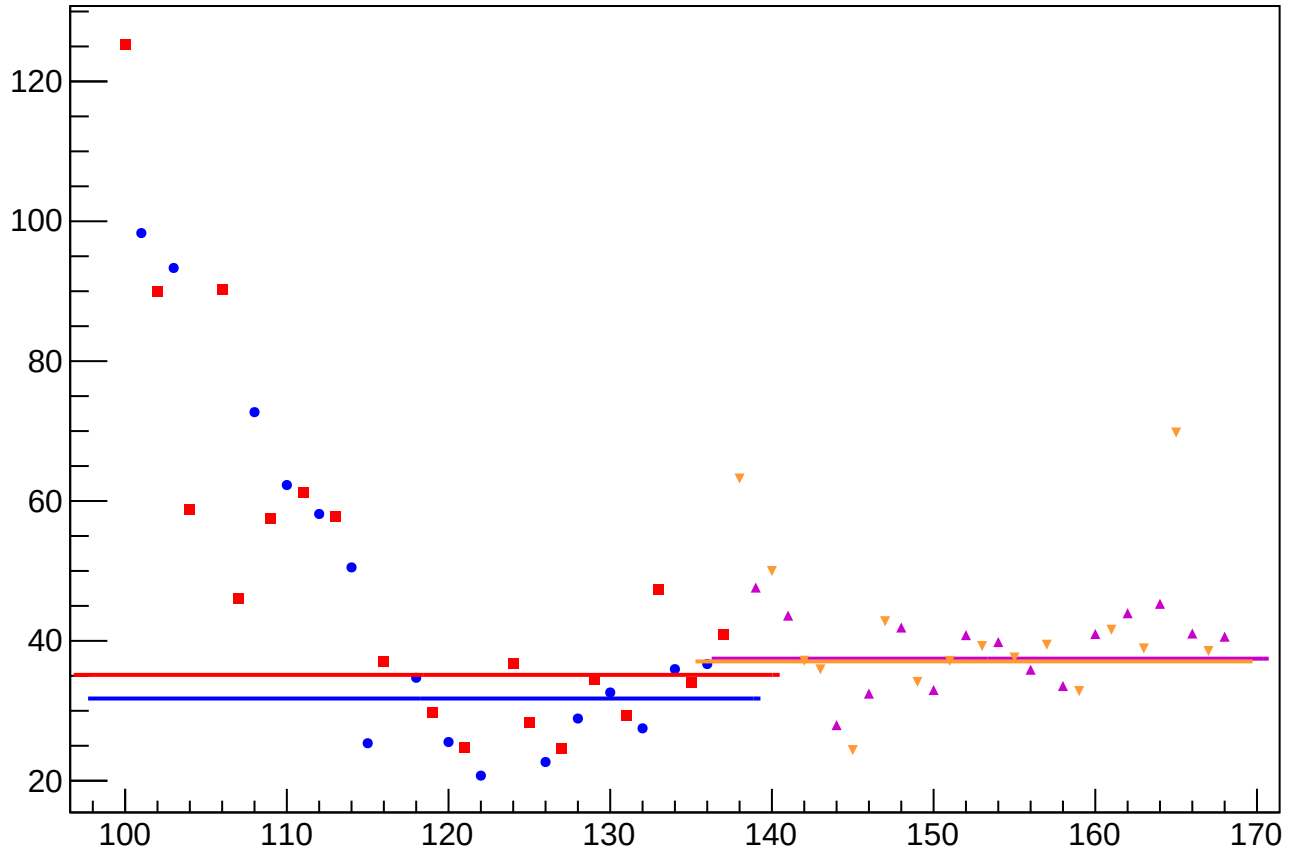
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.013+/-0.011 χ^2/NDF:7.6/14

+ sign 0.003+/-0.008 χ^2/NDF: 43.7/31

All: 0.007+/-0.006 χ^2/NDF: 70.2/65

- sign 0.012+/-0.009 χ^2/NDF: 26.0/33



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 37.062+/-0.008 χ^2/NDF:1127242.5/15

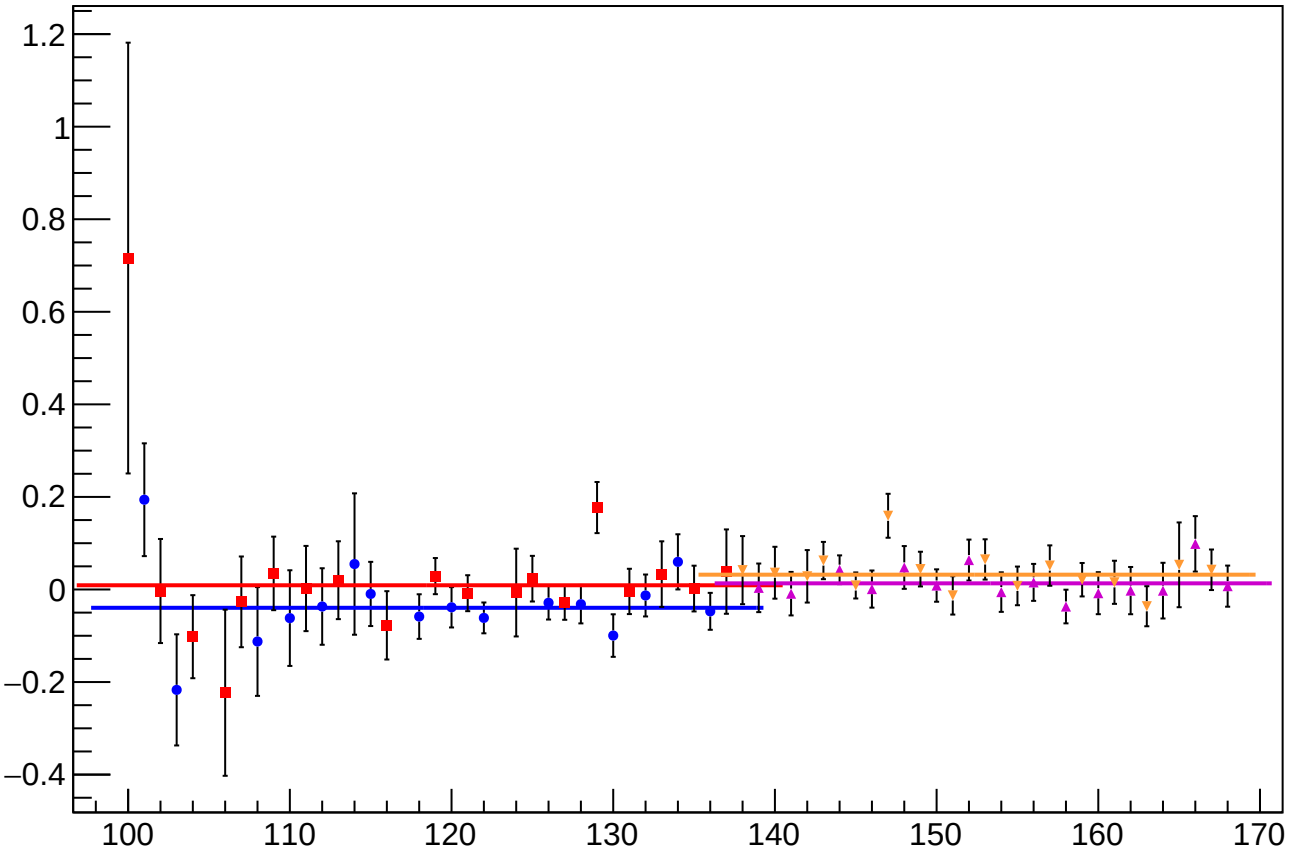
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.457+/-0.008 χ^2/NDF:518385.8/14

+ sign 34.910+/-0.006 χ^2/NDF: 3572887.4/31

All: 35.709+/-0.004 χ^2/NDF: 6007055.4/65

- sign 36.576+/-0.006 χ^2/NDF: 2396250.2/33



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.032+/-0.011 χ^2/NDF:13.7/15

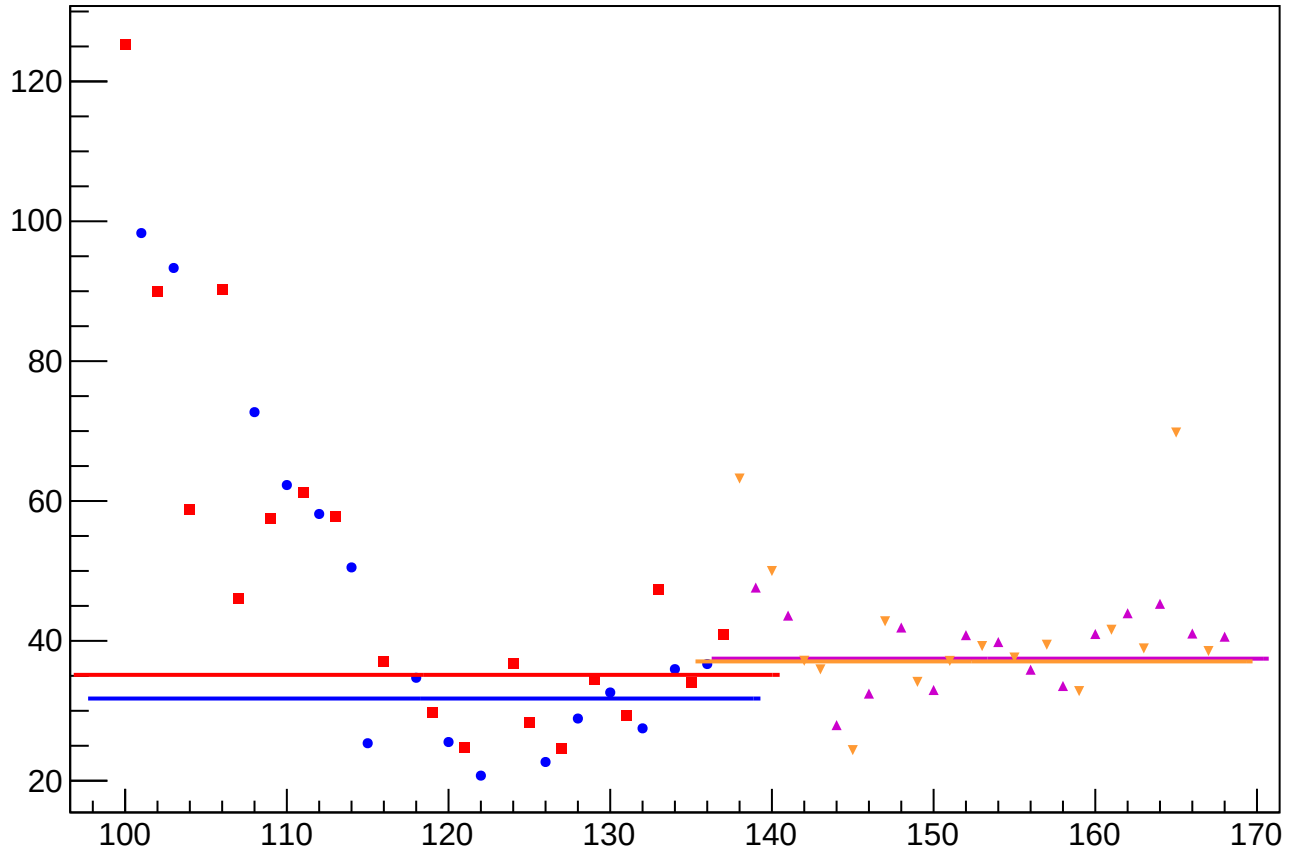
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.013+/-0.011 χ^2/NDF:7.6/14

+ sign 0.003+/-0.008 χ^2/NDF: 43.7/31

All: 0.007+/-0.006 χ^2/NDF: 70.2/65

- sign 0.012+/-0.009 χ^2/NDF: 26.0/33



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 37.062+/-0.008 χ^2/NDF:1127242.5/15

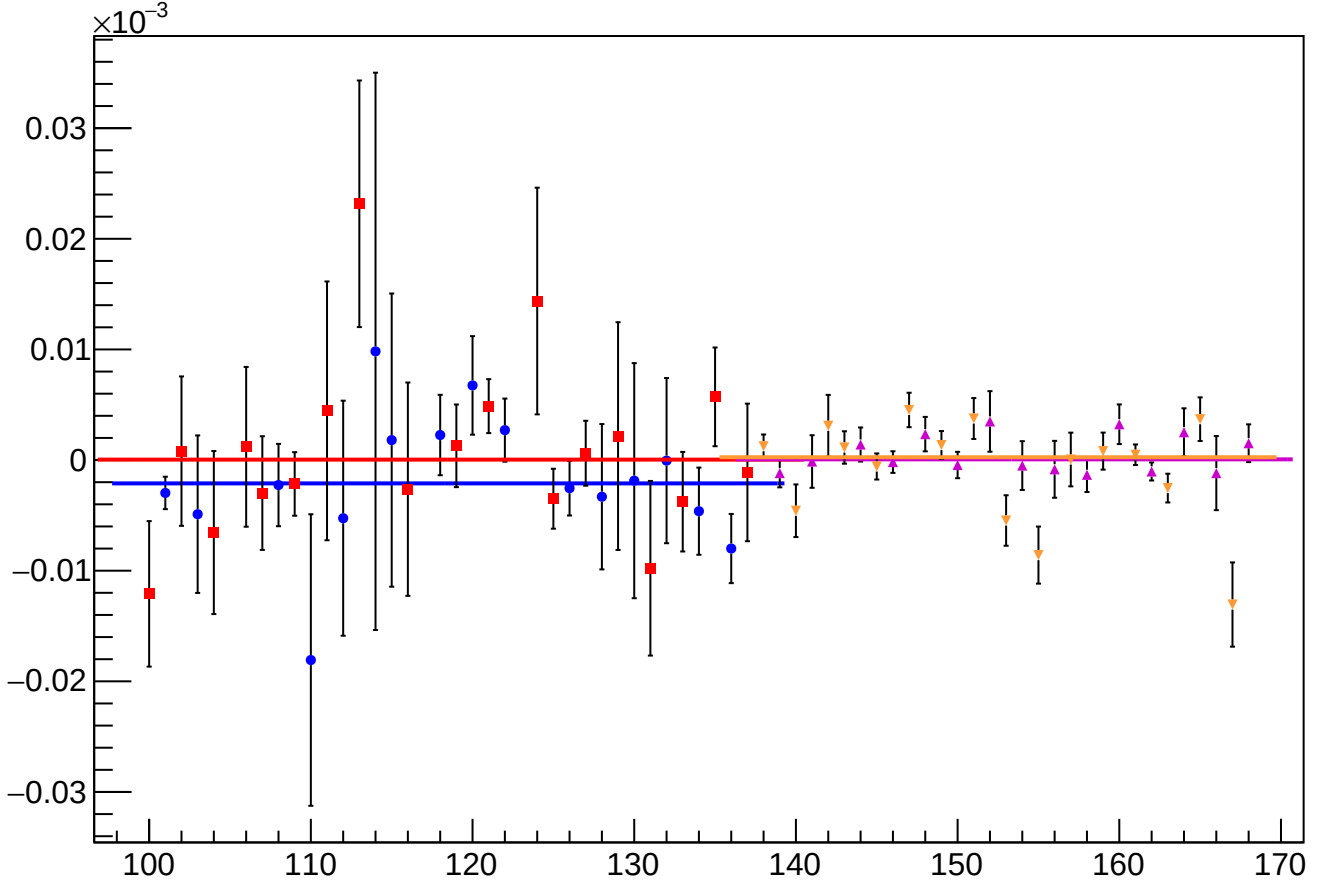
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.457+/-0.008 χ^2/NDF:518385.8/14

+ sign 34.910+/-0.006 χ^2/NDF: 3572887.4/31

All: 35.709+/-0.004 χ^2/NDF: 6007055.4/65

- sign 36.576+/-0.006 χ^2/NDF: 2396250.2/33



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:56.9/15

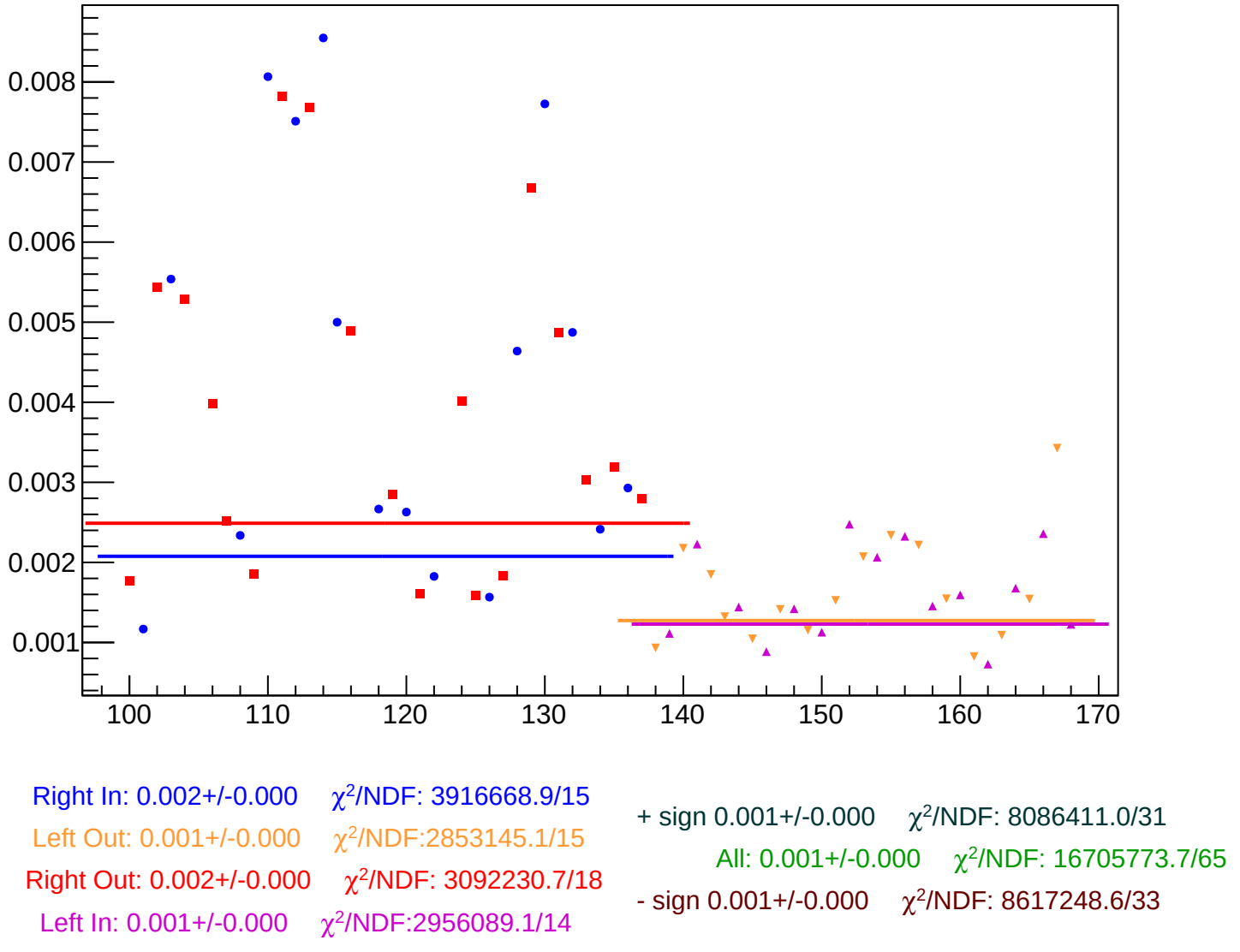
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

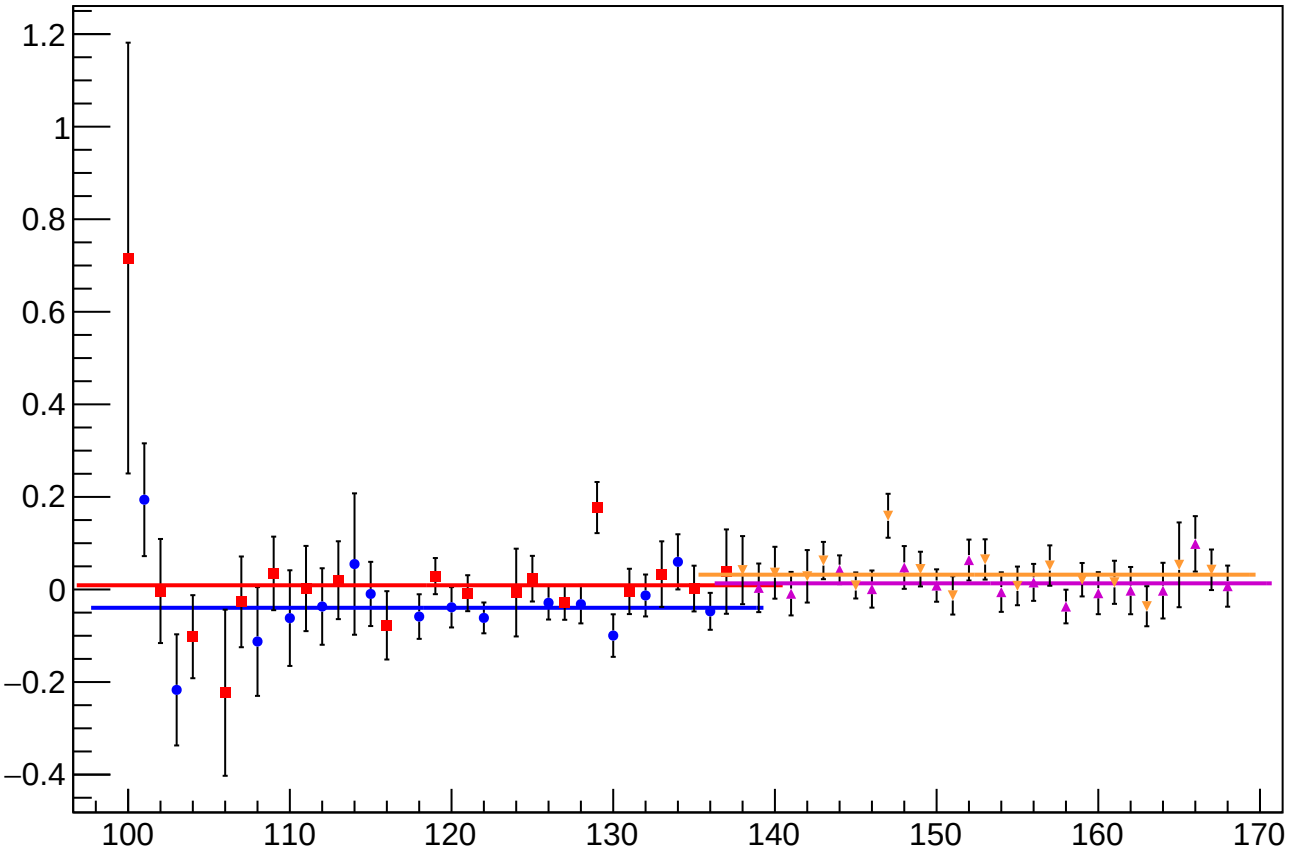
Left In: 0.000+/-0.000 χ^2/NDF:13.7/14

+ sign -0.000+/-0.000 χ^2/NDF: 77.3/31

All: -0.000+/-0.000 χ^2/NDF: 112.6/65

- sign 0.000+/-0.000 χ^2/NDF: 35.1/33


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 3916668.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2853145.1/15
Right Out: 0.002+/-0.000 χ²/NDF: 3092230.7/18
Left In: 0.001+/-0.000 χ²/NDF:2956089.1/14
+ sign 0.001+/-0.000 χ²/NDF: 8086411.0/31
All: 0.001+/-0.000 χ²/NDF: 16705773.7/65
- sign 0.001+/-0.000 χ²/NDF: 8617248.6/33



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.032+/-0.011 χ^2/NDF:13.7/15

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

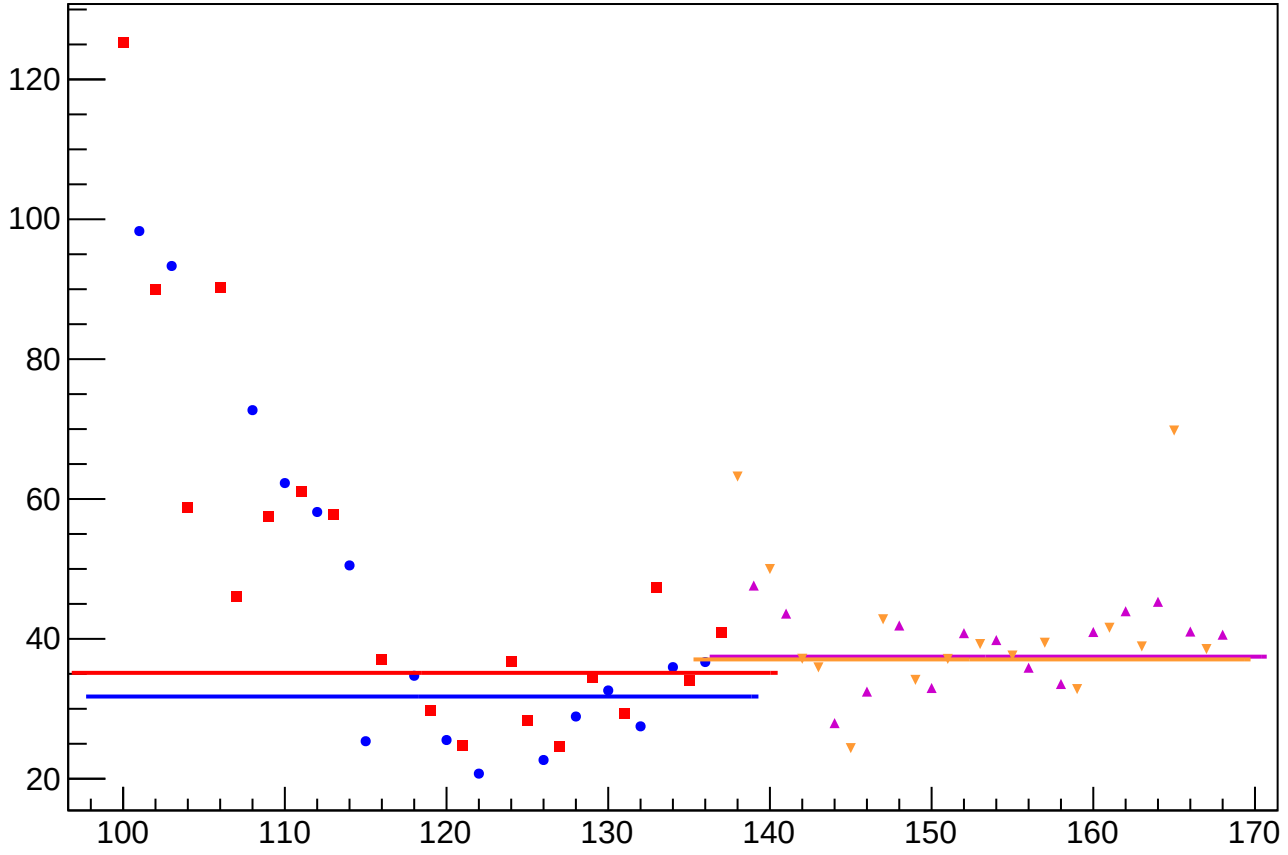
Left In: 0.013+/-0.011 χ^2/NDF:7.6/14

+ sign 0.003+/-0.008 χ^2/NDF: 43.7/31

All: 0.007+/-0.006 χ^2/NDF: 70.2/65

- sign 0.012+/-0.009 χ^2/NDF: 26.0/33

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 37.062+/-0.008 χ^2/NDF:1127267.6/15

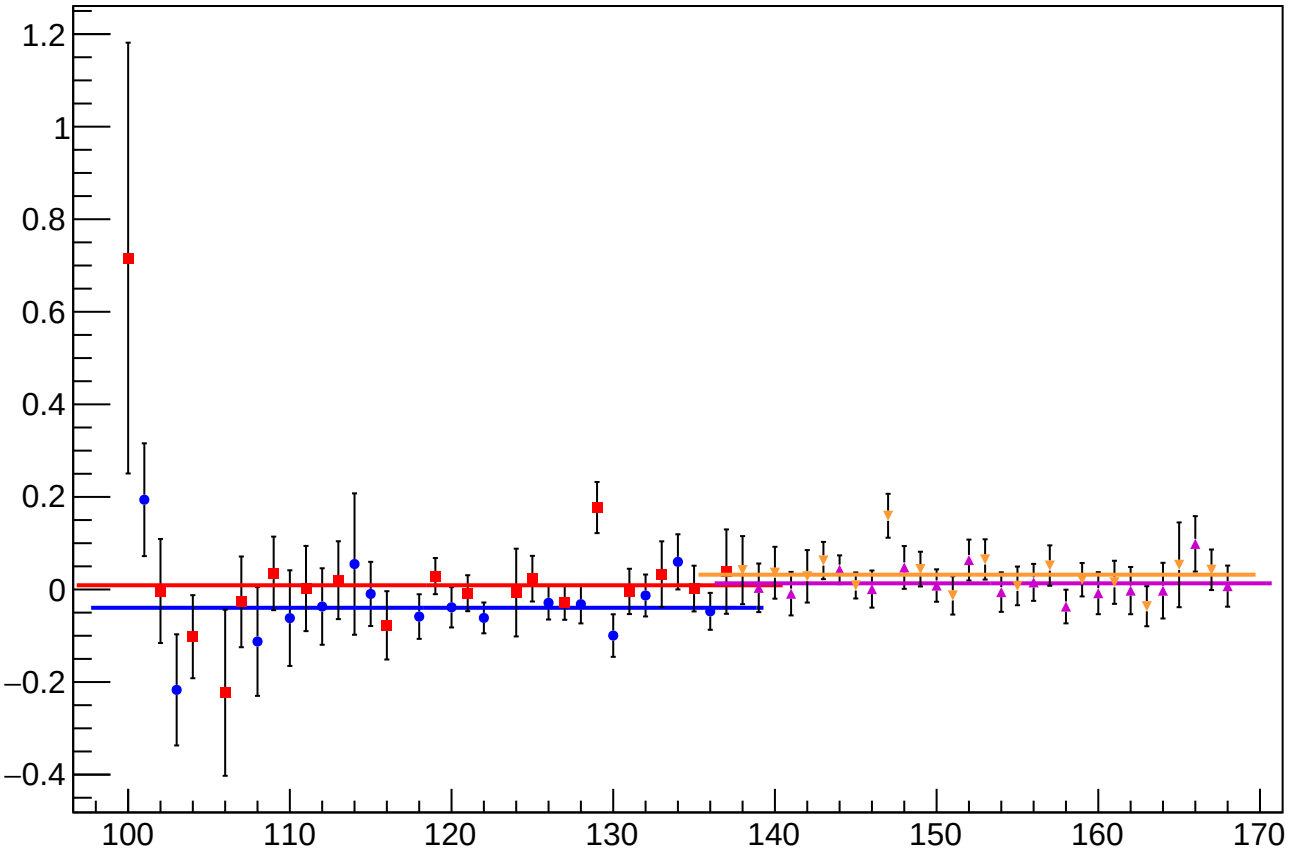
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 37.457+/-0.008 χ^2/NDF:518370.3/14

\+ sign 34.910+/-0.006 χ^2/NDF: 3572858.4/31

All: 35.709+/-0.004 χ^2/NDF: 6006896.5/65

\- sign 36.577+/-0.006 χ^2/NDF: 2396118.5/33



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.032+/-0.011 χ^2/NDF:13.7/15

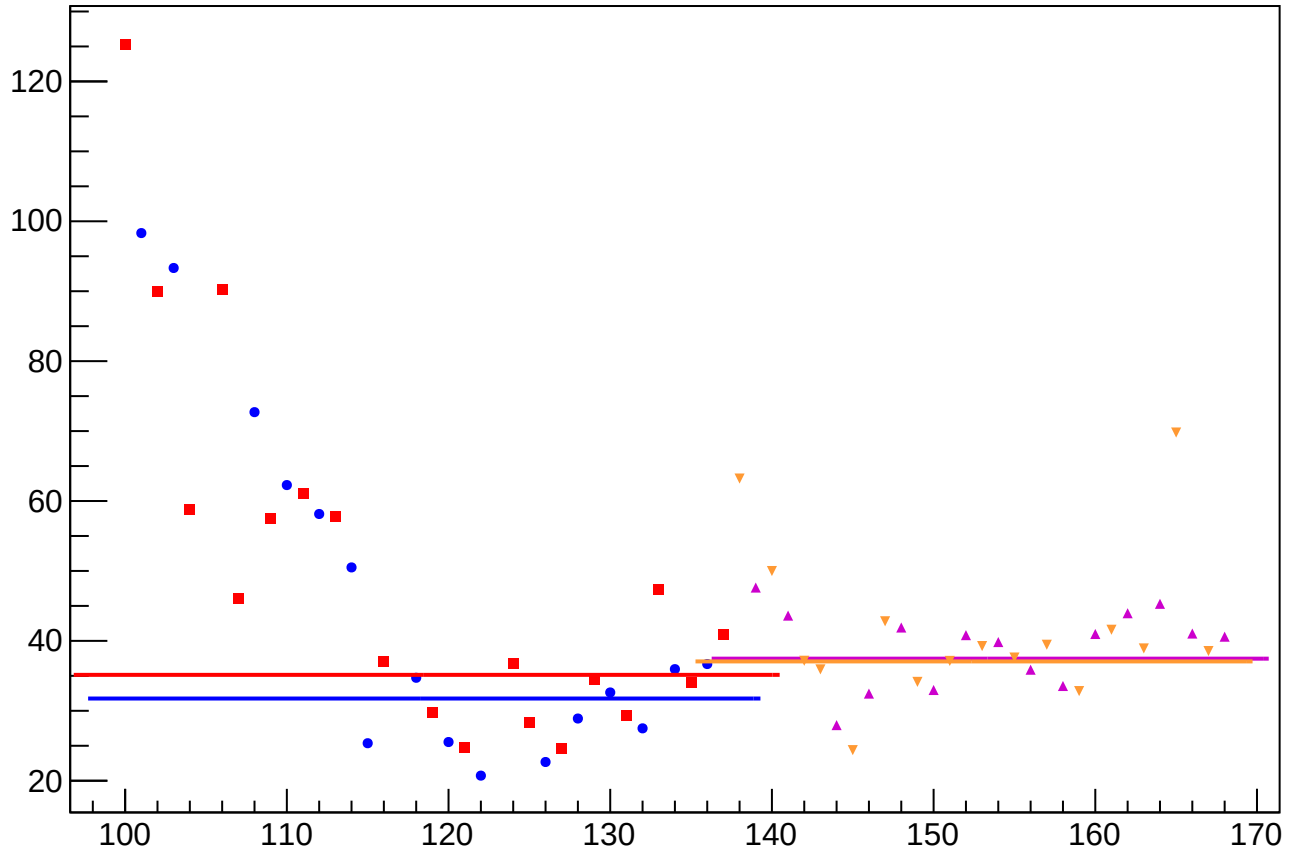
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.013+/-0.011 χ^2/NDF:7.6/14

+ sign 0.003+/-0.008 χ^2/NDF: 43.7/31

All: 0.007+/-0.006 χ^2/NDF: 70.2/65

- sign 0.012+/-0.009 χ^2/NDF: 26.0/33



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 37.062+/-0.008 χ^2/NDF:1127267.6/15

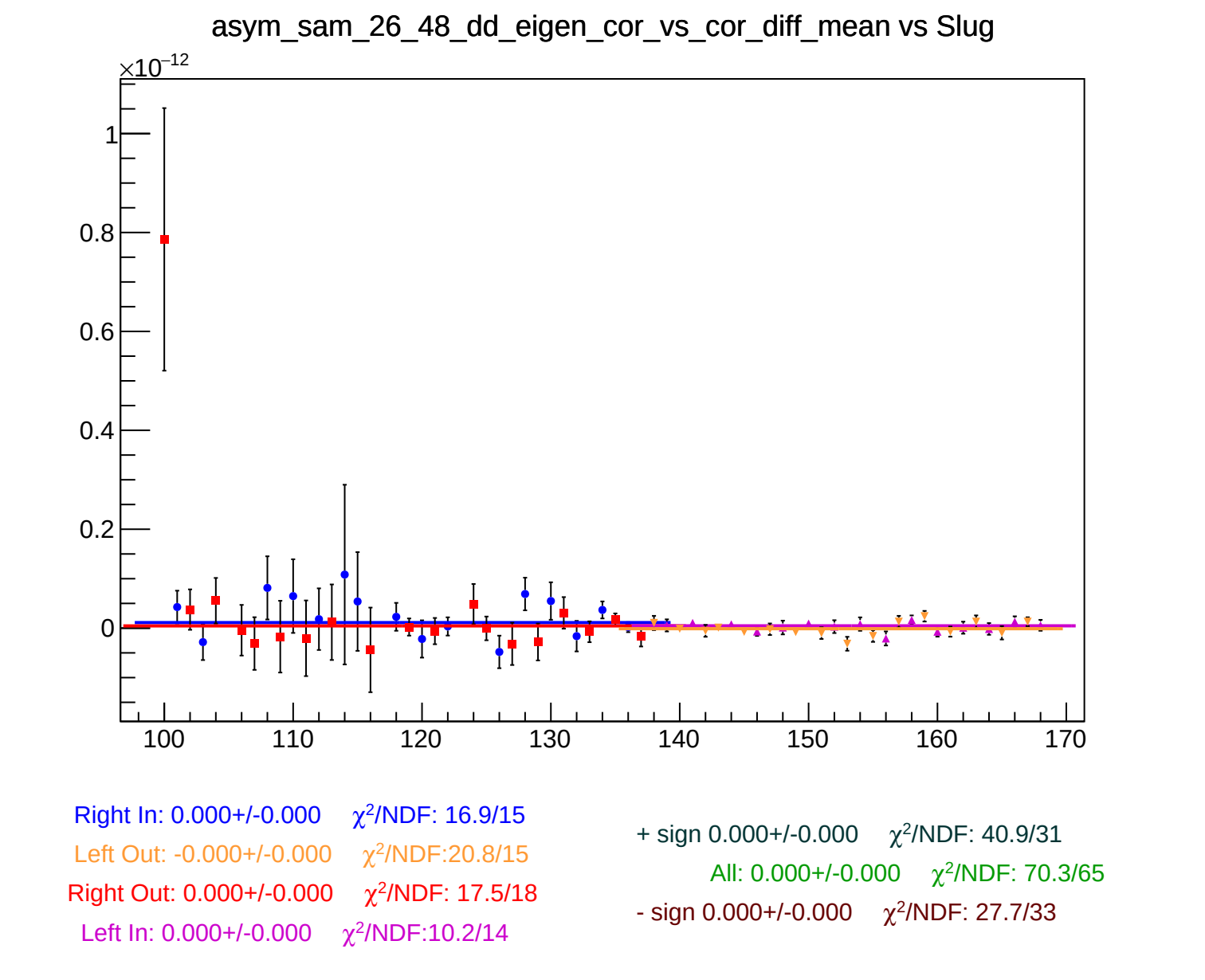
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

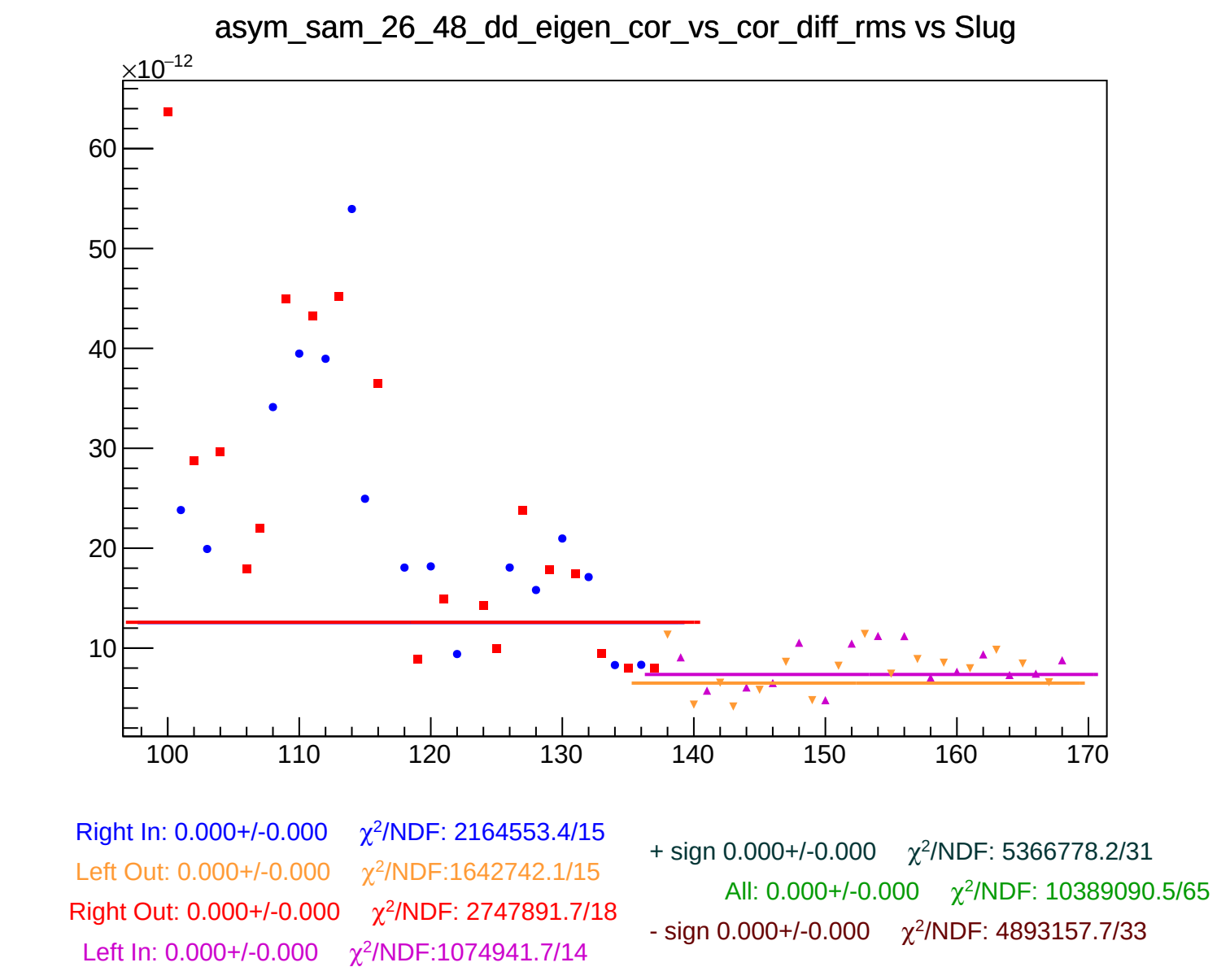
Left In: 37.457+/-0.008 χ^2/NDF:518370.3/14

+ sign 34.910+/-0.006 χ^2/NDF: 3572858.4/31

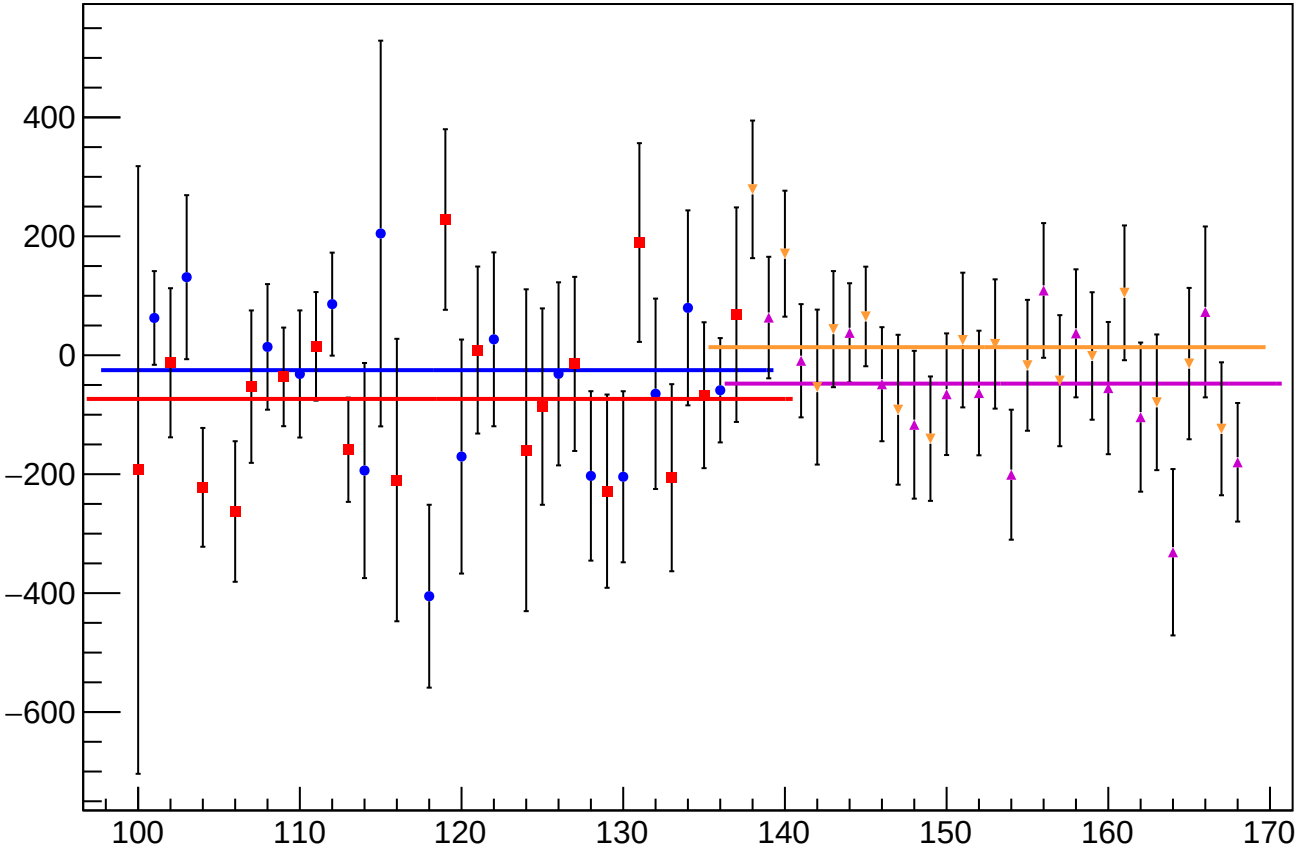
All: 35.709+/-0.004 χ^2/NDF: 6006896.5/65

- sign 36.577+/-0.006 χ^2/NDF: 2396118.5/33


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:20.8/15
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/18
Left In: 0.000+/-0.000 χ²/NDF:10.2/14
+ sign 0.000+/-0.000 χ²/NDF: 40.9/31
All: 0.000+/-0.000 χ²/NDF: 70.3/65
- sign 0.000+/-0.000 χ²/NDF: 27.7/33


asym_sam_26_48_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: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1642742.1/15
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:1074941.7/14
+ sign 0.000+/-0.000 χ²/NDF: 5366778.2/31
All: 0.000+/-0.000 χ²/NDF: 10389090.5/65
- sign 0.000+/-0.000 χ²/NDF: 4893157.7/33

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 13.580+/-27.362 χ^2/NDF:14.3/15

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

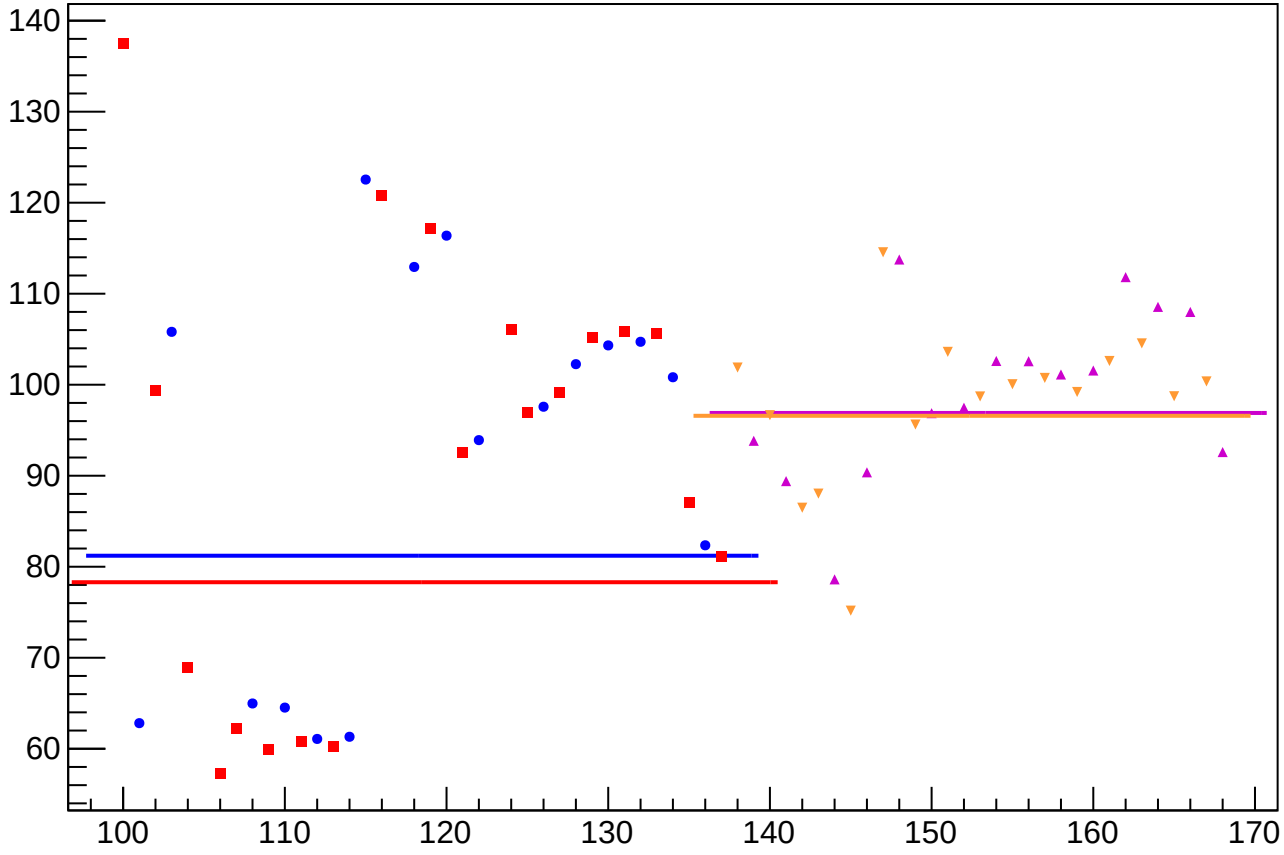
Left In: -47.727+/-27.708 χ^2/NDF:14.0/14

+ sign -3.206+/-20.580 χ^2/NDF: 31.4/31

All: -31.742+/-14.465 χ^2/NDF: 66.4/65

- sign -59.599+/-20.334 χ^2/NDF: 31.2/33

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.585+/-0.019 χ^2/NDF:235859.3/15

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

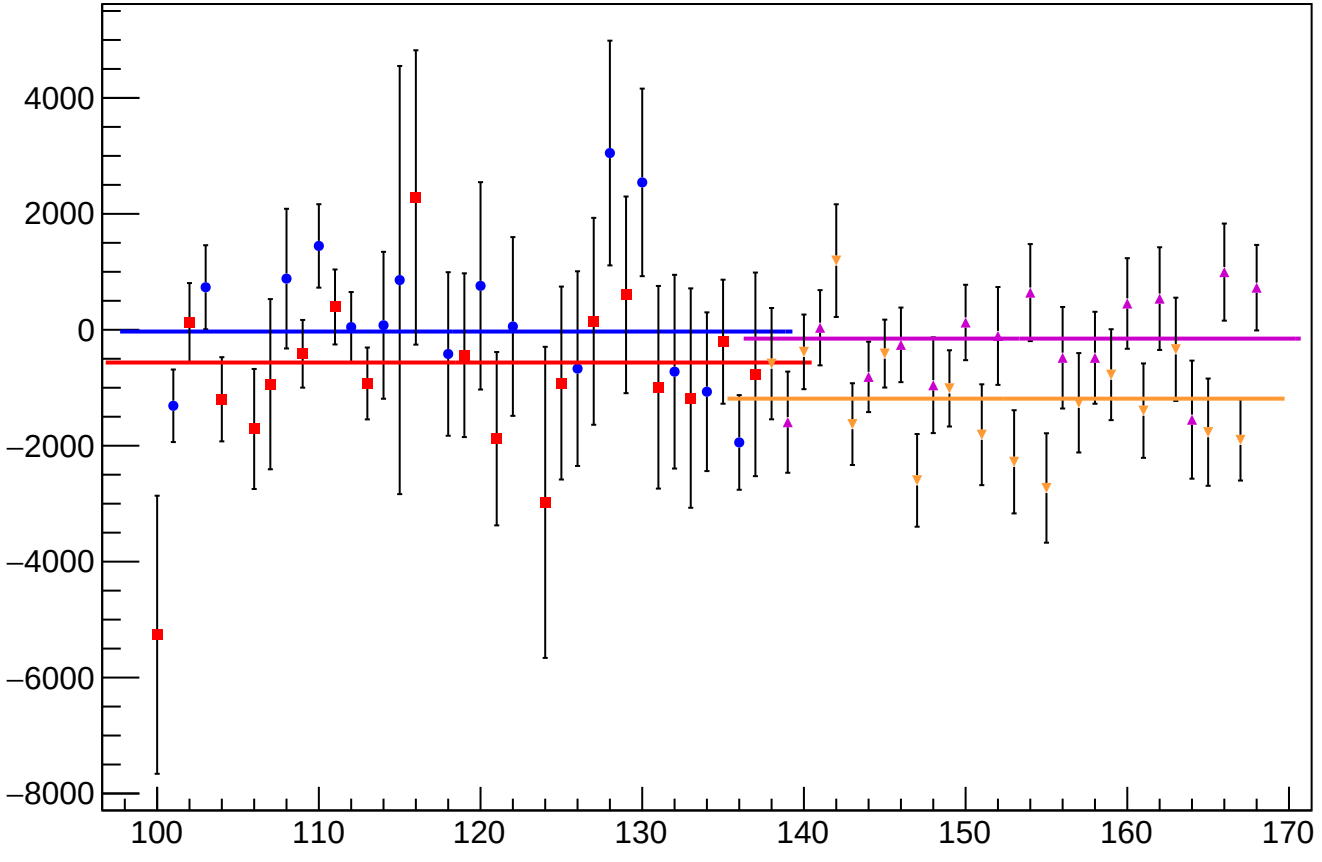
Left In: 96.896+/-0.020 χ^2/NDF:231361.3/14

+ sign 89.908+/-0.015 χ^2/NDF: 1297772.6/31

All: 89.102+/-0.010 χ^2/NDF: 2885670.3/65

- sign 88.315+/-0.014 χ^2/NDF: 1581835.2/33

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -1188.123+/-196.043 χ^2/NDF:20.7/15

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

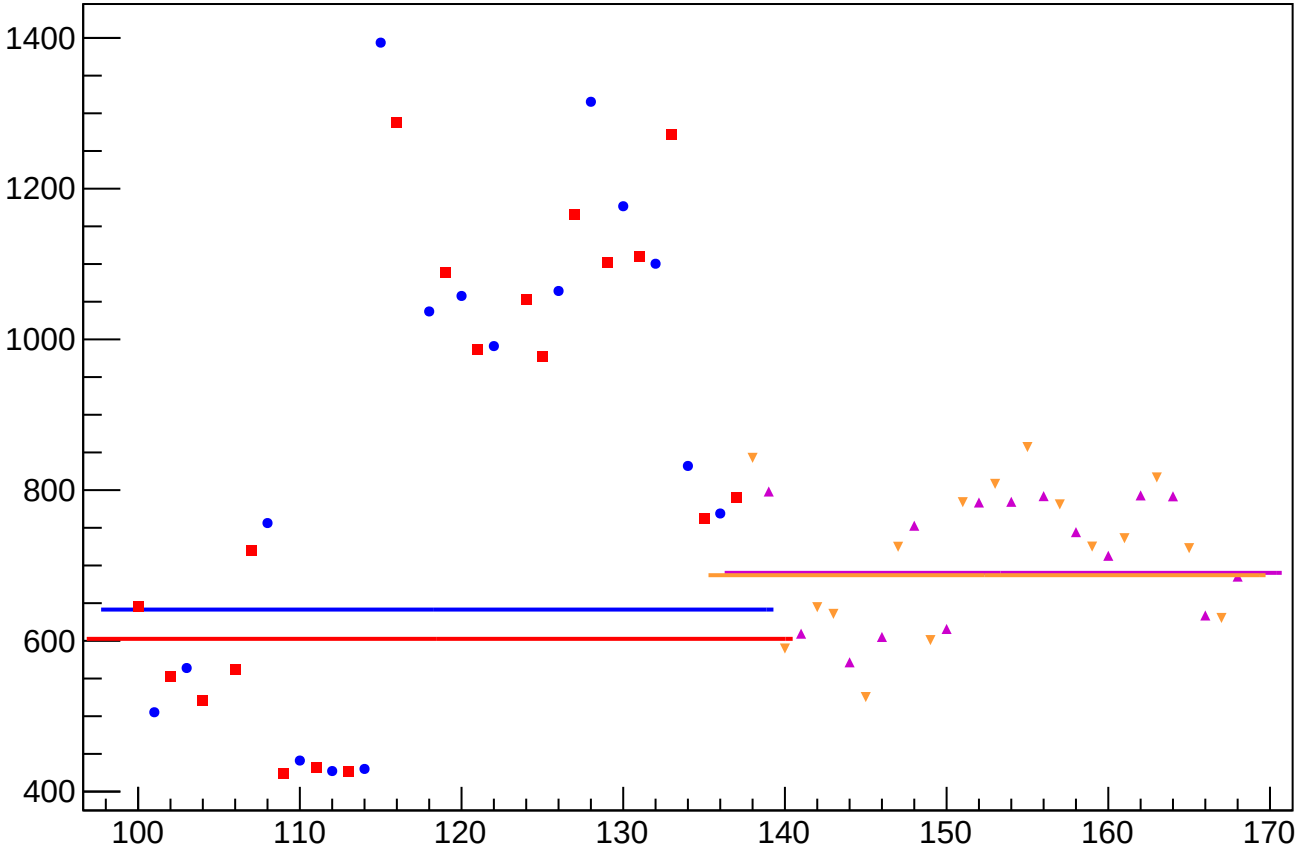
Left In: -152.246+/-198.020 χ^2/NDF:12.8/14

+ sign -762.263+/-155.870 χ^2/NDF: 55.4/31

All: -536.406+/-108.951 χ^2/NDF: 87.3/65

- sign -320.635+/-152.350 χ^2/NDF: 27.8/33

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 687.110+/-0.139 χ^2/NDF:525162.6/15

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

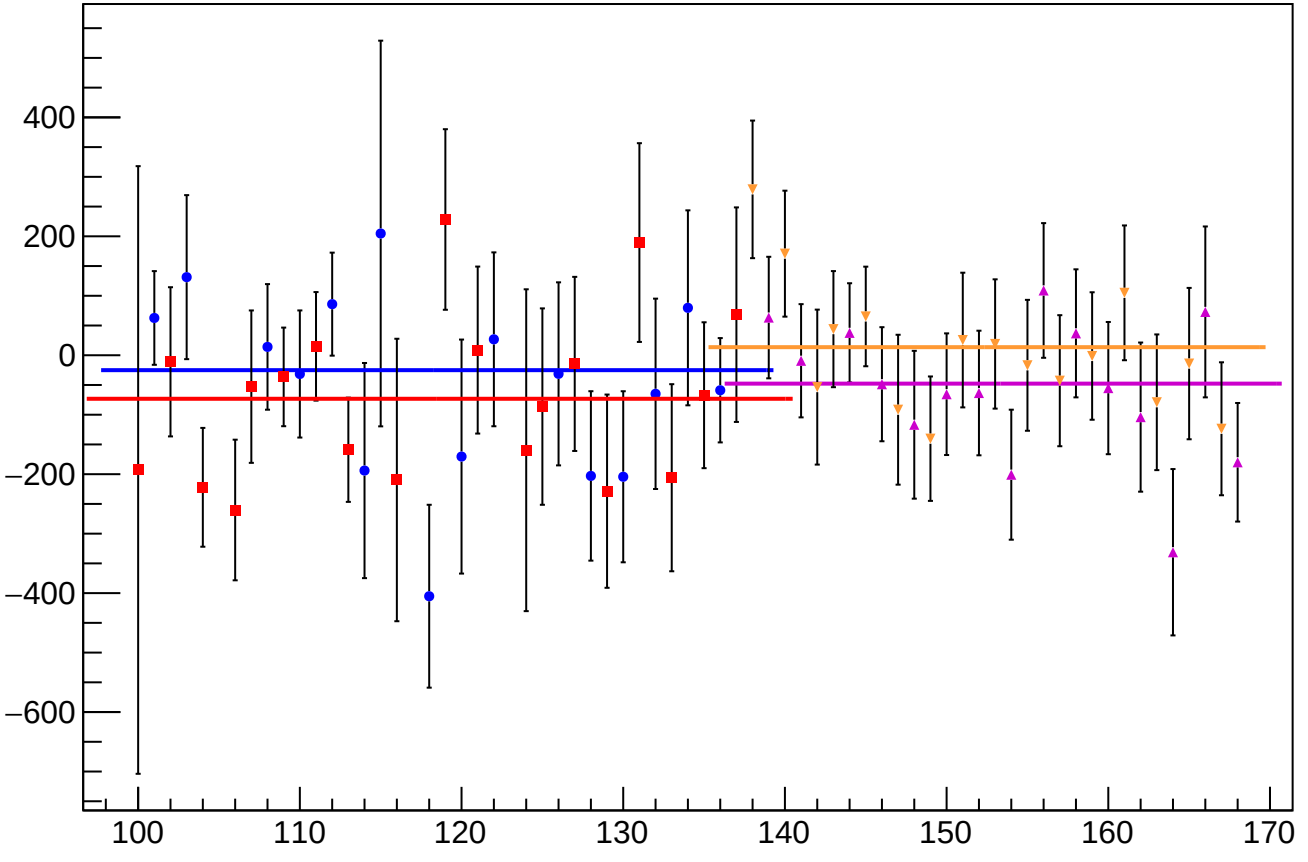
Left In: 690.231+/-0.140 χ^2/NDF:354265.4/14

+ sign 670.332+/-0.110 χ^2/NDF: 2439977.2/31

All: 662.232+/-0.077 χ^2/NDF: 5034750.1/65

- sign 654.493+/-0.108 χ^2/NDF: 2584211.1/33

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 13.583+/-27.362 χ^2/NDF:14.3/15

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

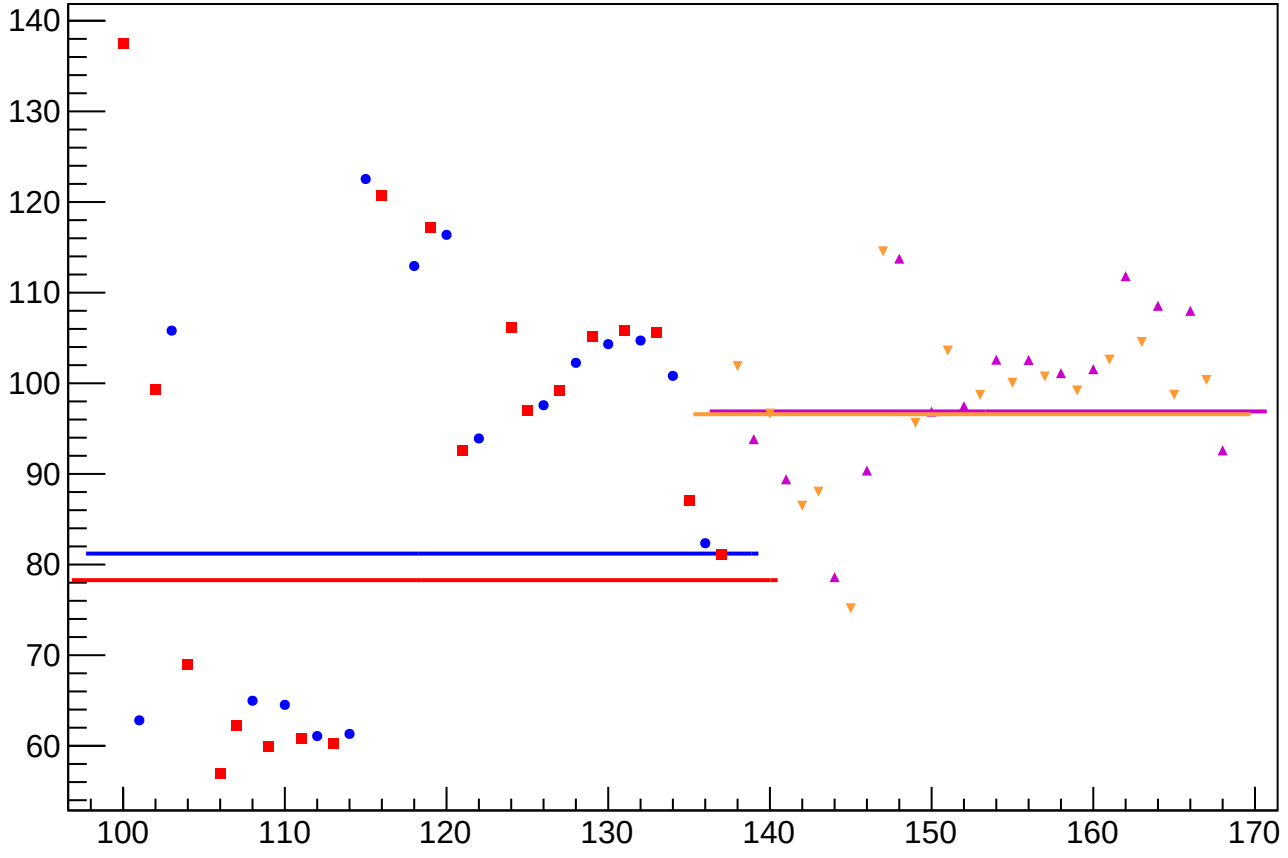
Left In: -47.726+/-27.708 χ^2/NDF:14.0/14

+ sign -3.205+/-20.580 χ^2/NDF: 31.4/31

All: -31.678+/-14.465 χ^2/NDF: 66.3/65

- sign -59.476+/-20.335 χ^2/NDF: 31.2/33

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.585+/-0.019 χ^2/NDF:235859.3/15

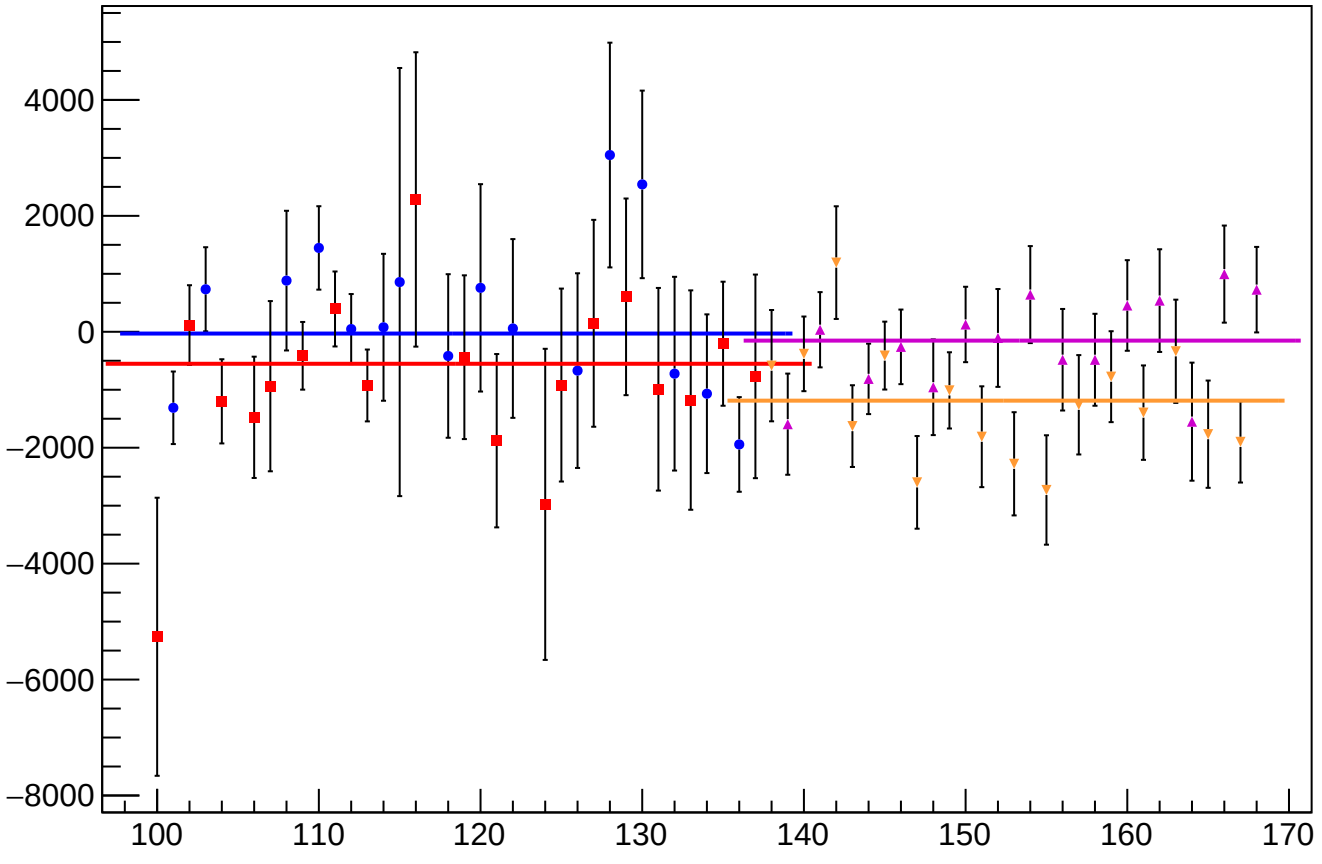
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.896+/-0.020 χ^2/NDF:231361.3/14

+ sign 89.908+/-0.015 χ^2/NDF: 1297774.2/31

All: 89.098+/-0.010 χ^2/NDF: 2888678.1/65

- sign 88.307+/-0.014 χ^2/NDF: 1584780.1/33



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1188.116+/-196.043 χ^2/NDF:20.7/15

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

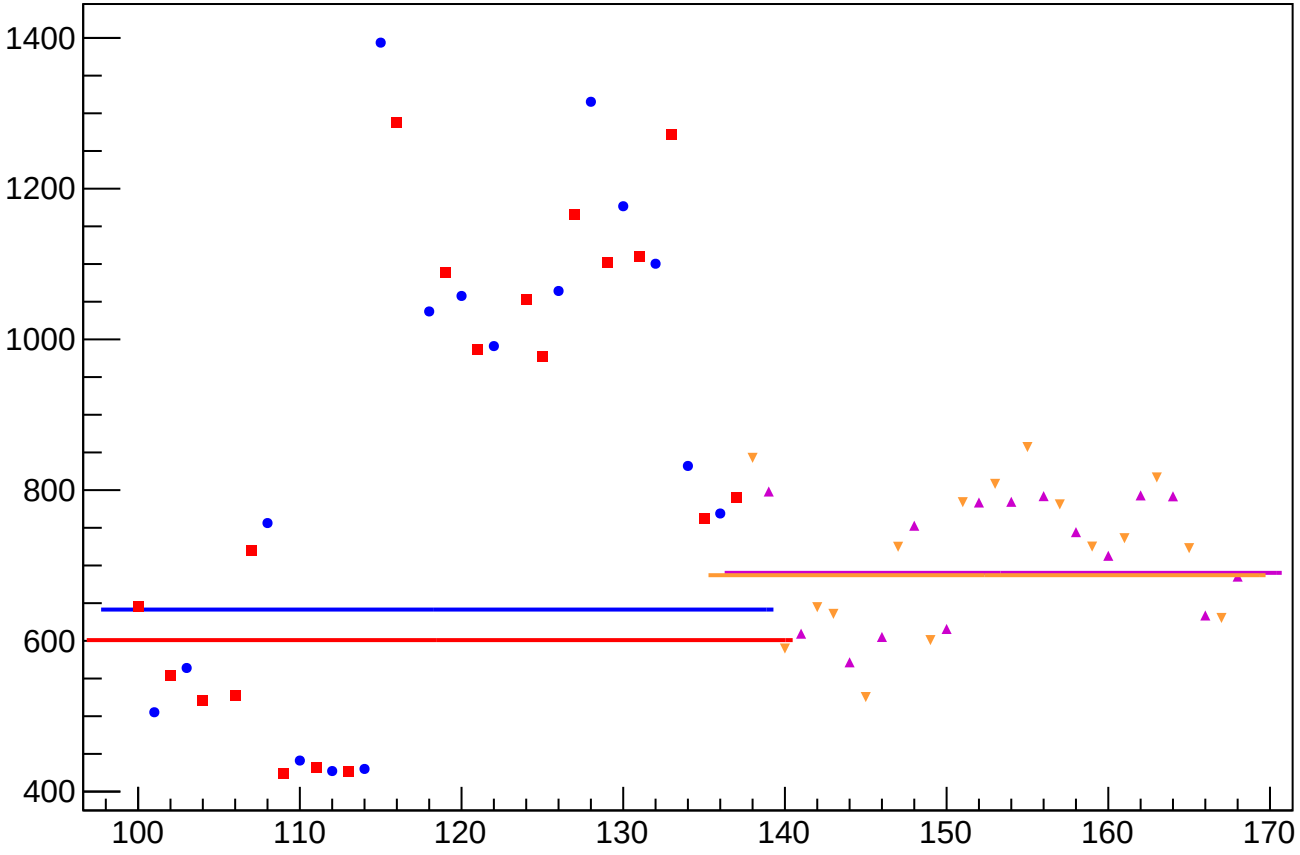
Left In: -152.253+/-198.020 χ^2/NDF:12.8/14

+ sign -762.276+/-155.871 χ^2/NDF: 55.4/31

All: -533.707+/-108.965 χ^2/NDF: 86.8/65

- sign -315.238+/-152.389 χ^2/NDF: 27.2/33

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 687.110+/-0.139 χ^2/NDF:525164.0/15

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

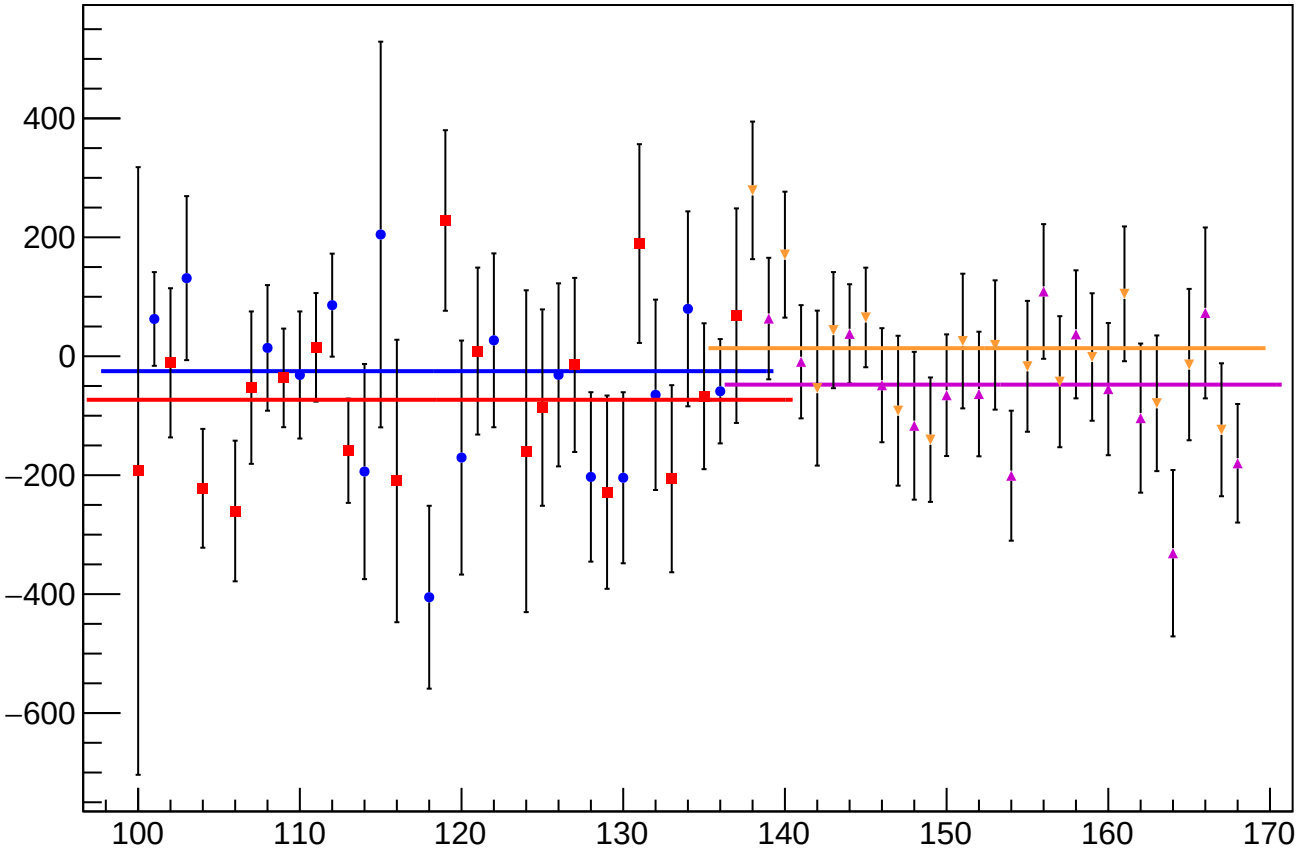
Left In: 690.231+/-0.140 χ^2/NDF:354264.0/14

\+ sign 670.336+/-0.110 χ^2/NDF: 2439921.4/31

All: 661.899+/-0.077 χ^2/NDF: 5048571.1/65

\- sign 653.835+/-0.108 χ^2/NDF: 2597190.2/33

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 13.583+/-27.362 χ^2/NDF:14.3/15

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

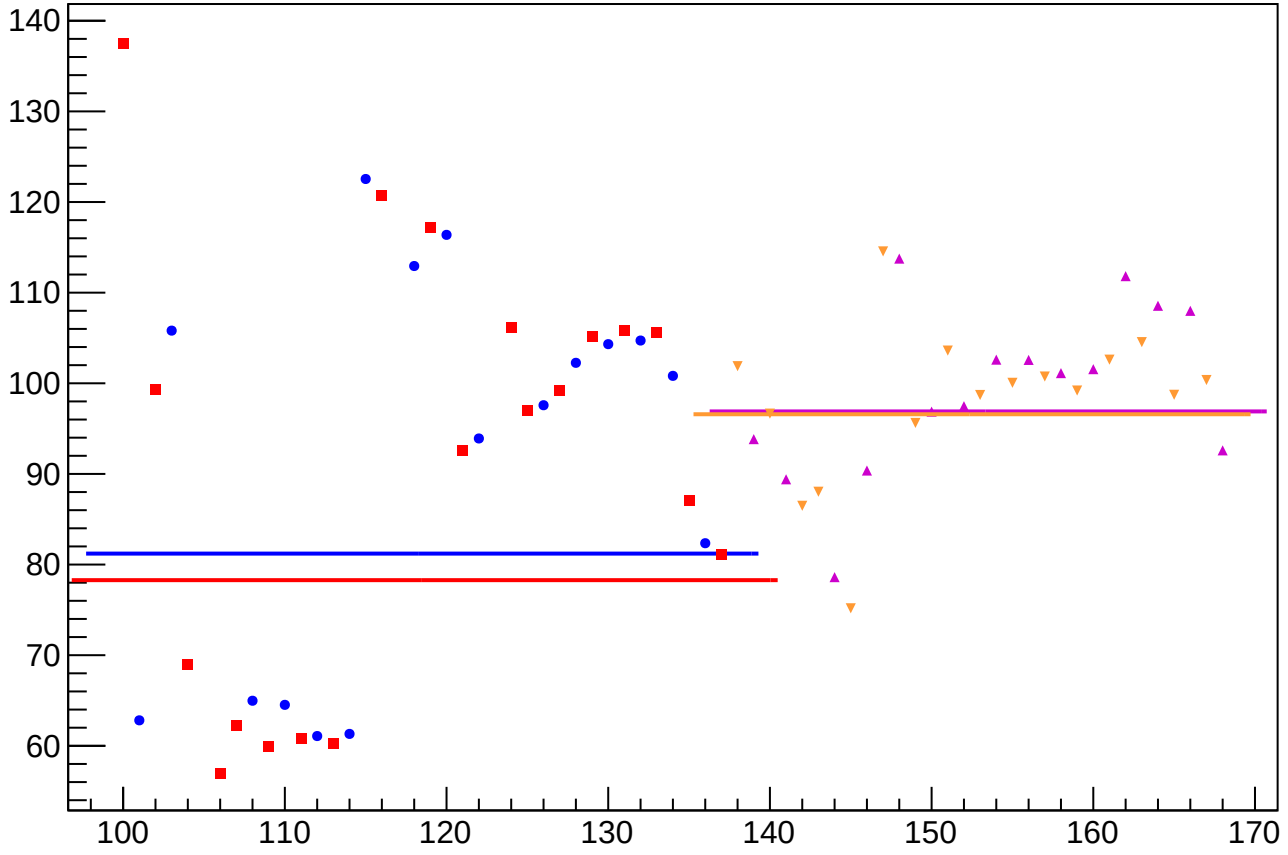
Left In: -47.726+/-27.708 χ^2/NDF:14.0/14

+ sign -3.205+/-20.580 χ^2/NDF: 31.4/31

All: -31.678+/-14.465 χ^2/NDF: 66.3/65

- sign -59.476+/-20.335 χ^2/NDF: 31.2/33

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.585+/-0.019 χ^2/NDF:235859.3/15

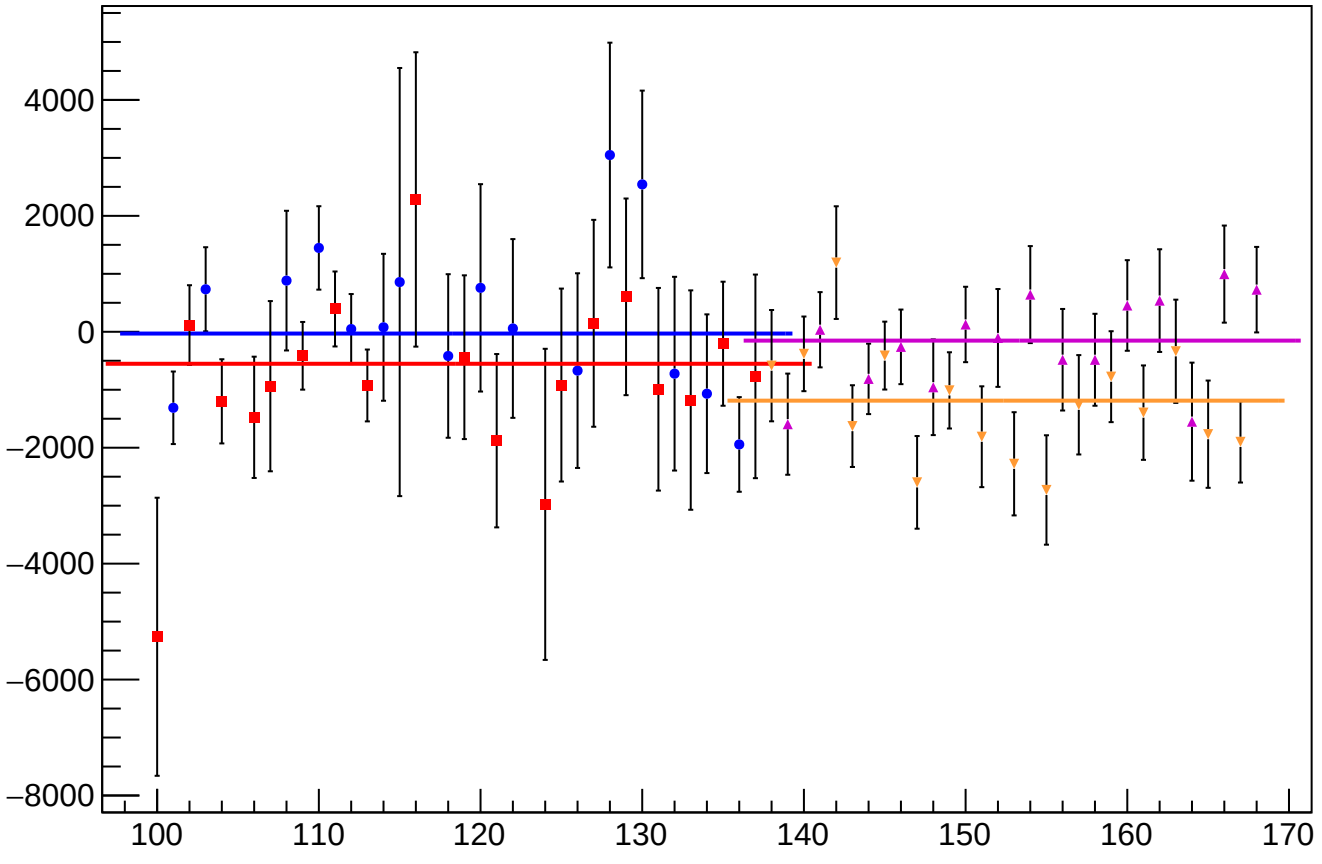
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.896+/-0.020 χ^2/NDF:231361.3/14

+ sign 89.908+/-0.015 χ^2/NDF: 1297774.2/31

All: 89.098+/-0.010 χ^2/NDF: 2888678.1/65

- sign 88.307+/-0.014 χ^2/NDF: 1584780.1/33



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1188.116+/-196.043 χ^2/NDF:20.7/15

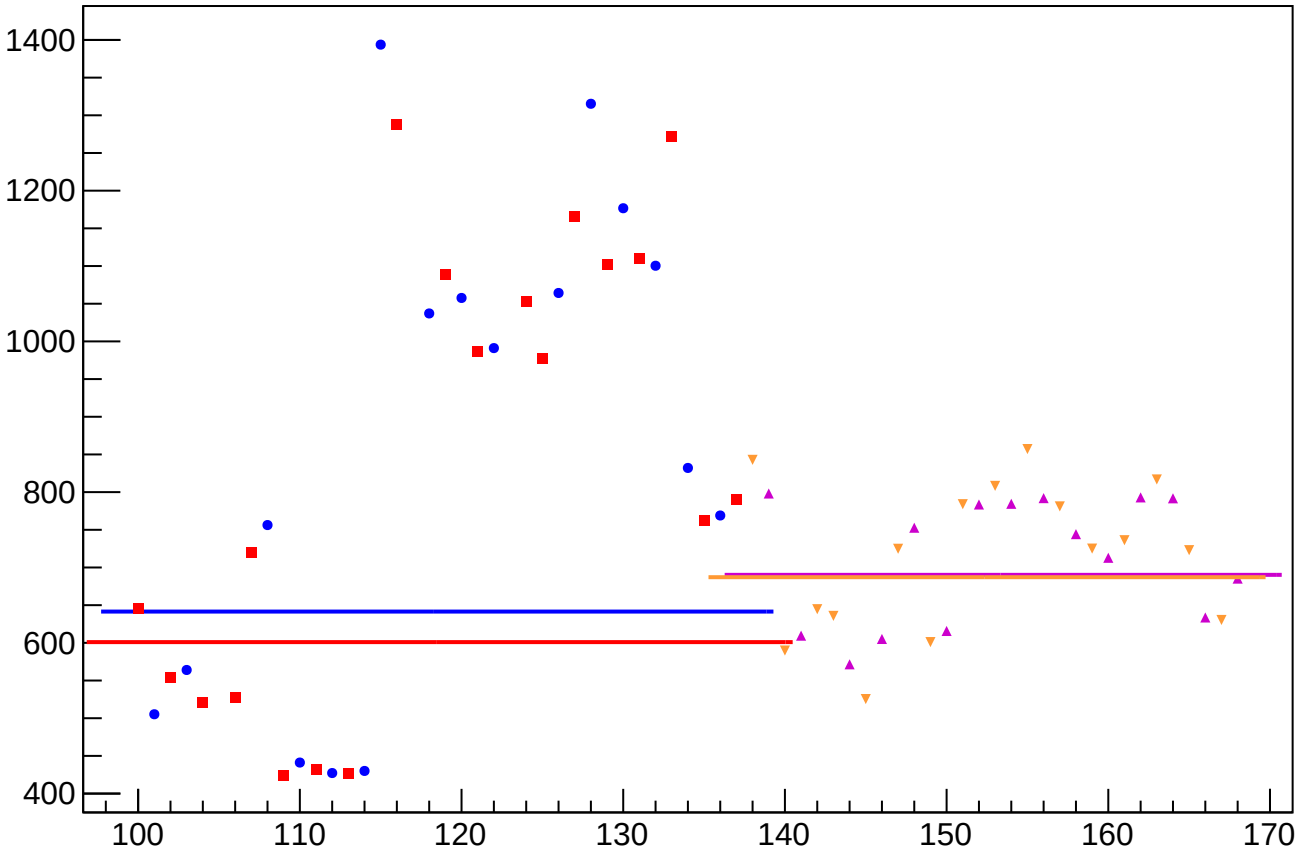
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -152.253+/-198.020 χ^2/NDF:12.8/14

\+ sign -762.276+/-155.871 χ^2/NDF: 55.4/31

All: -533.707+/-108.965 χ^2/NDF: 86.8/65

\- sign -315.238+/-152.389 χ^2/NDF: 27.2/33



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 687.110+/-0.139 χ^2/NDF:525164.0/15

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

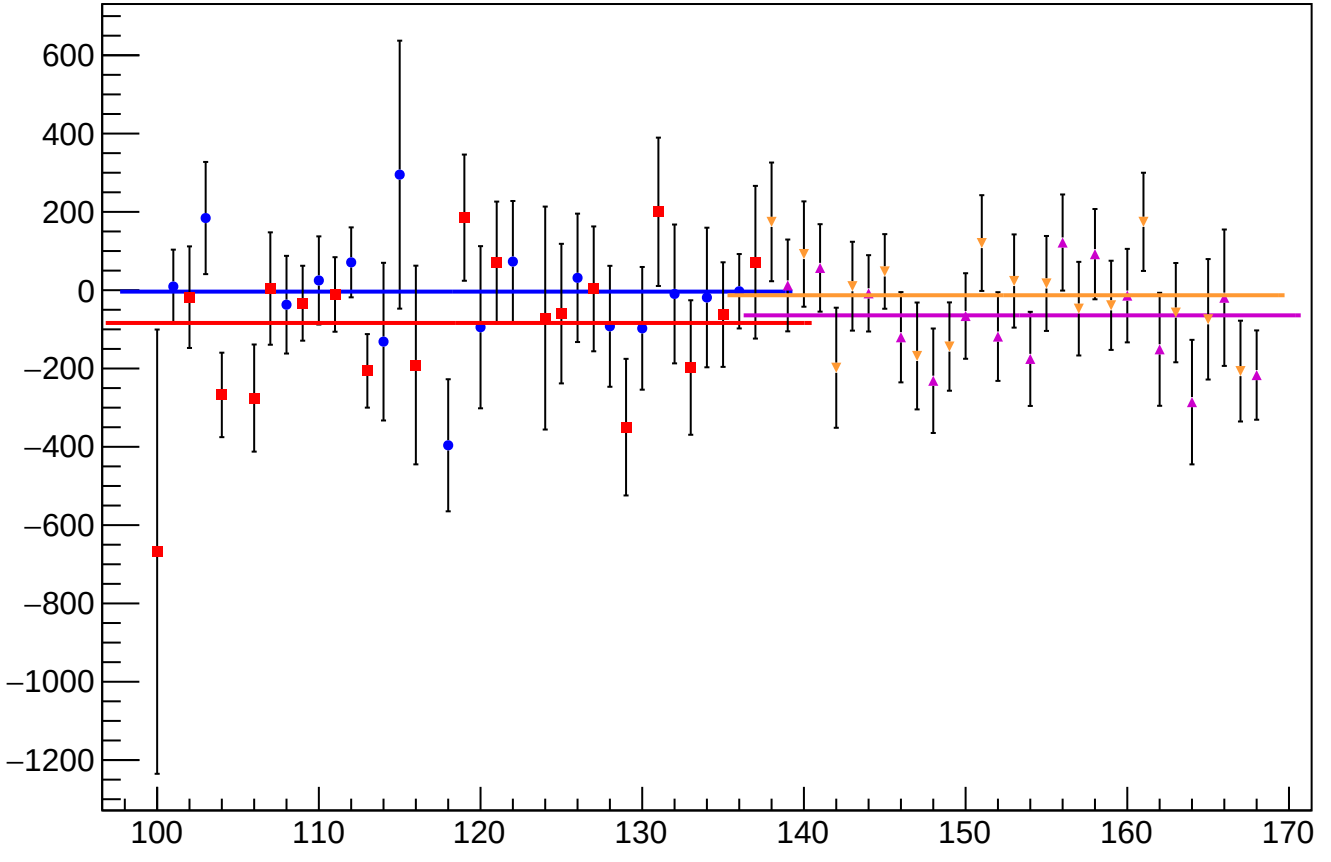
Left In: 690.231+/-0.140 χ^2/NDF:354264.0/14

+ sign 670.336+/-0.110 χ^2/NDF: 2439921.4/31

All: 661.899+/-0.077 χ^2/NDF: 5048571.1/65

- sign 653.835+/-0.108 χ^2/NDF: 2597190.2/33

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: -12.923+/-30.974 χ^2/NDF:12.9/15

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

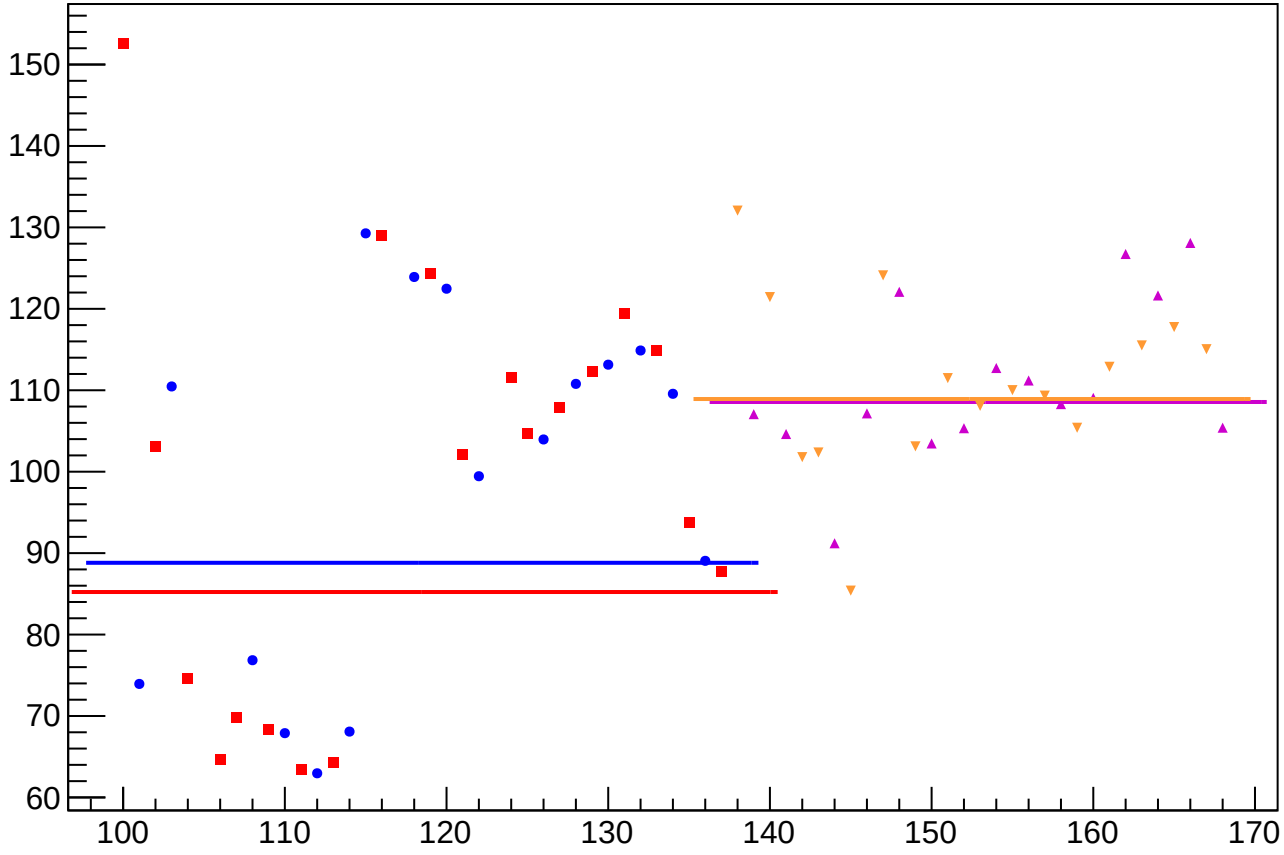
Left In: -64.241+/-31.164 χ^2/NDF:13.3/14

+ sign -8.731+/-22.943 χ^2/NDF: 23.3/31

All: -41.699+/-16.078 χ^2/NDF: 59.9/65

- sign -73.511+/-22.537 χ^2/NDF: 32.5/33

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 108.925+/-0.022 χ^2/NDF:248555.8/15

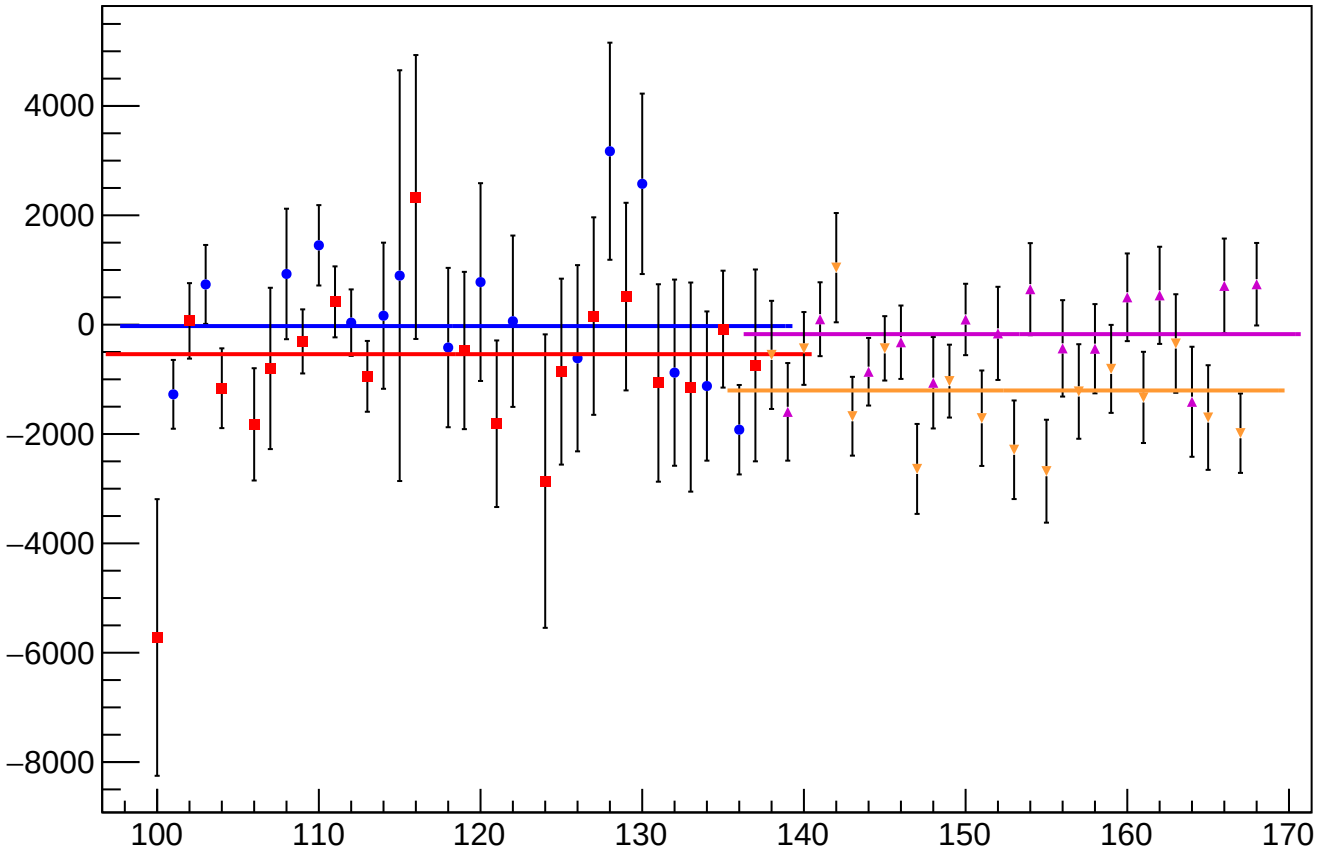
Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 108.560+/-0.022 χ^2/NDF:168290.0/14

+ sign 99.848+/-0.016 χ^2/NDF: 1353701.5/31

All: 98.617+/-0.011 χ^2/NDF: 2952276.9/65

- sign 97.429+/-0.016 χ^2/NDF: 1587262.5/33



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1203.618+/-199.890 χ^2/NDF:18.9/15

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

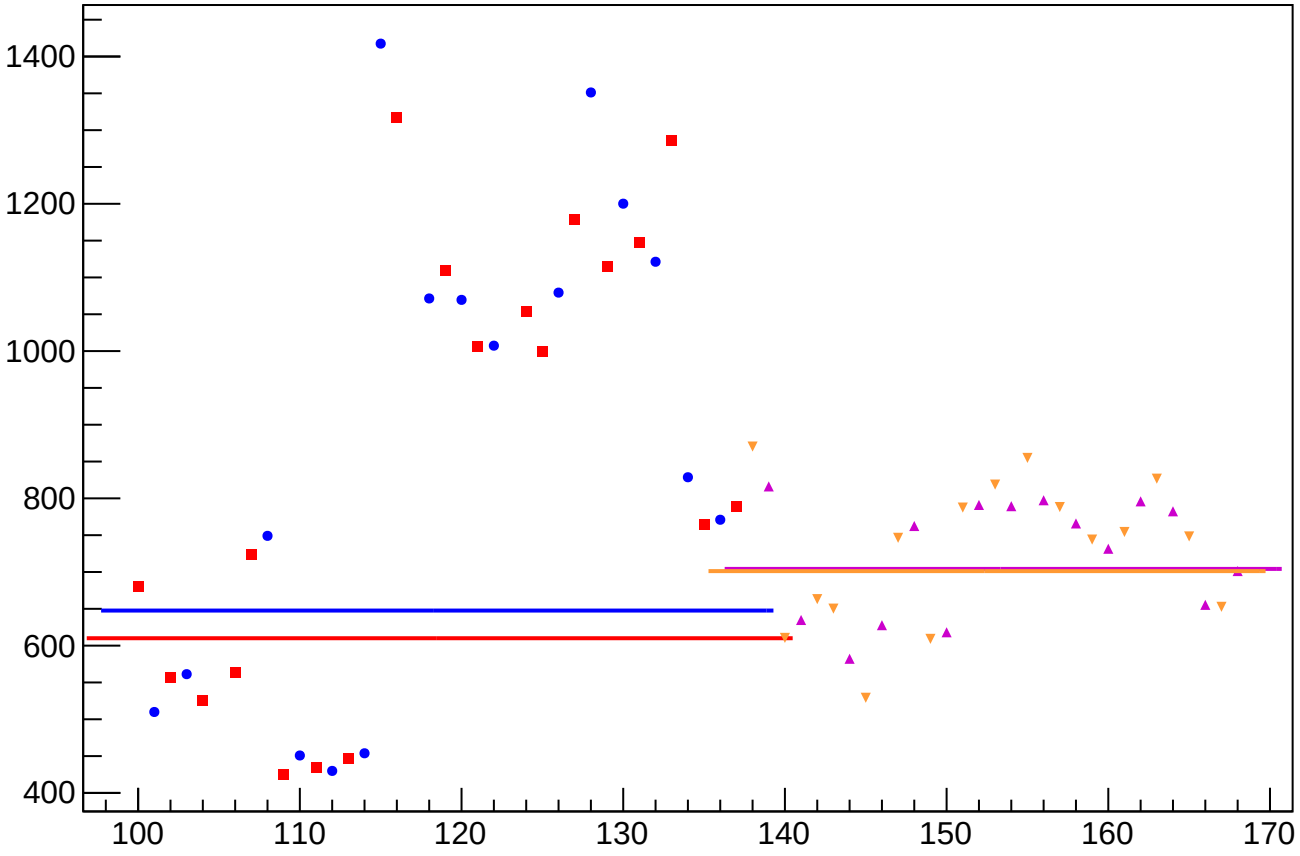
Left In: -173.335+/-201.887 χ^2/NDF:11.8/14

+ sign -764.790+/-158.334 χ^2/NDF: 53.4/31

All: -539.561+/-110.697 χ^2/NDF: 84.1/65

- sign -324.210+/-154.823 χ^2/NDF: 26.8/33

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 701.202+/-0.141 χ^2/NDF:516771.8/15

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

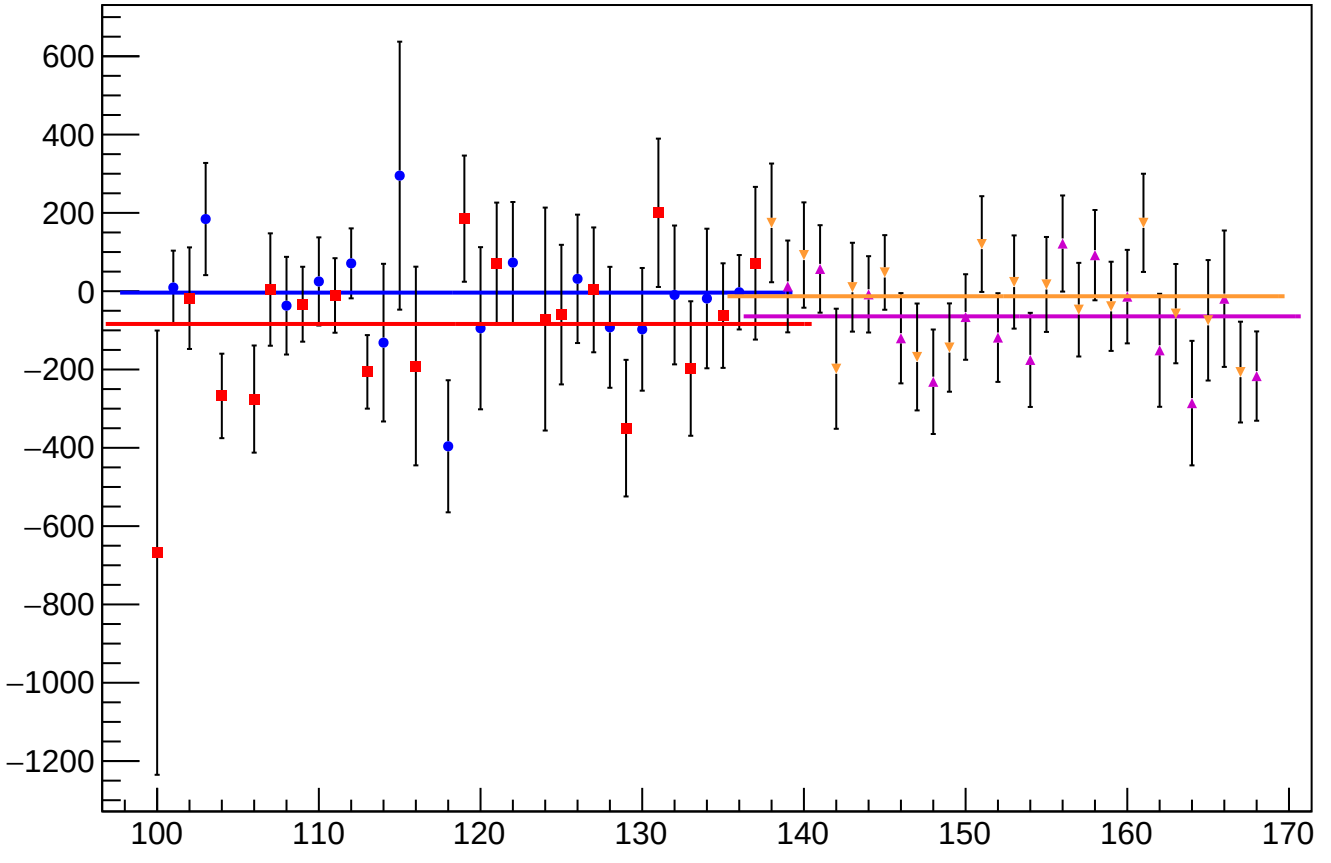
Left In: 704.200+/-0.143 χ^2/NDF:318019.8/14

+ sign 681.247+/-0.112 χ^2/NDF: 2458087.6/31

All: 673.158+/-0.078 χ^2/NDF: 5039681.7/65

- sign 665.425+/-0.109 χ^2/NDF: 2571384.7/33

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: -12.921+/-30.974 χ^2/NDF:12.9/15

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

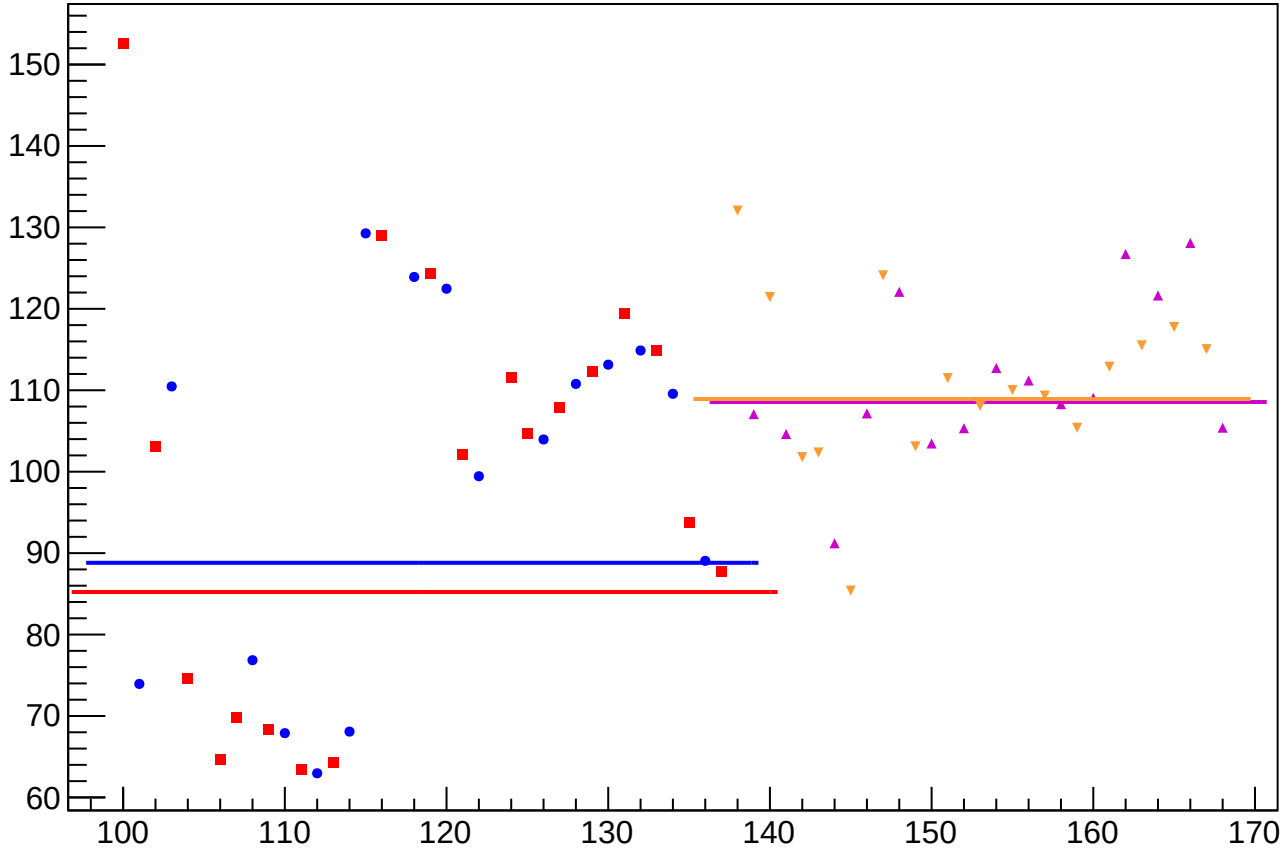
Left In: -64.241+/-31.164 χ^2/NDF:13.3/14

+ sign -8.730+/-22.943 χ^2/NDF: 23.3/31

All: -41.699+/-16.078 χ^2/NDF: 59.9/65

- sign -73.511+/-22.537 χ^2/NDF: 32.5/33

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 108.925+/-0.022 χ^2/NDF:248553.7/15

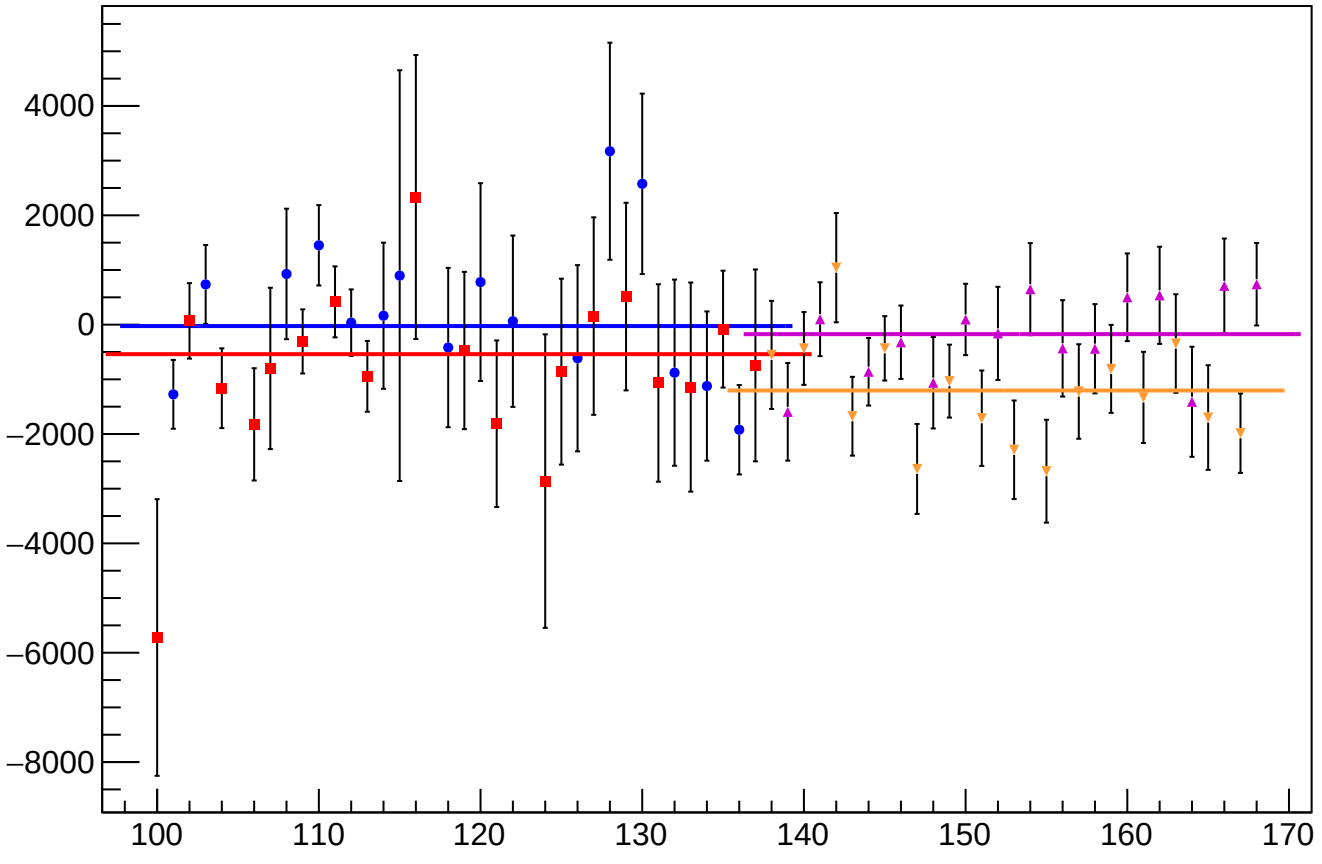
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 108.560+/-0.022 χ^2/NDF:168288.3/14

+ sign 99.848+/-0.016 χ^2/NDF: 1353706.5/31

All: 98.617+/-0.011 χ^2/NDF: 2952291.1/65

- sign 97.430+/-0.016 χ^2/NDF: 1587271.6/33



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1203.616+/-199.890 χ^2/NDF:18.9/15

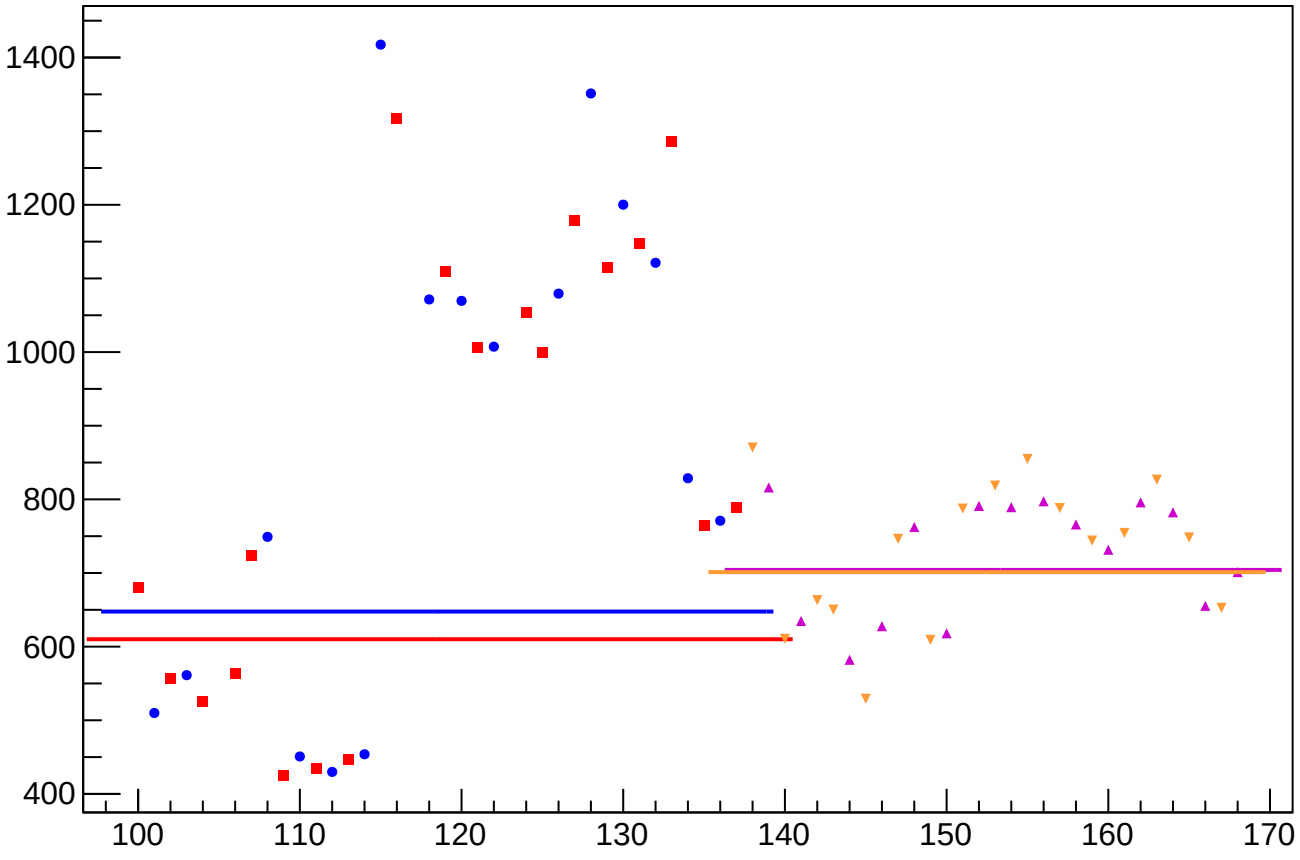
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -173.334+/-201.886 χ^2/NDF:11.8/14

+ sign -764.788+/-158.334 χ^2/NDF: 53.4/31

All: -539.560+/-110.697 χ^2/NDF: 84.1/65

- sign -324.210+/-154.823 χ^2/NDF: 26.8/33



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 701.201+/-0.141 χ^2/NDF:516773.3/15

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

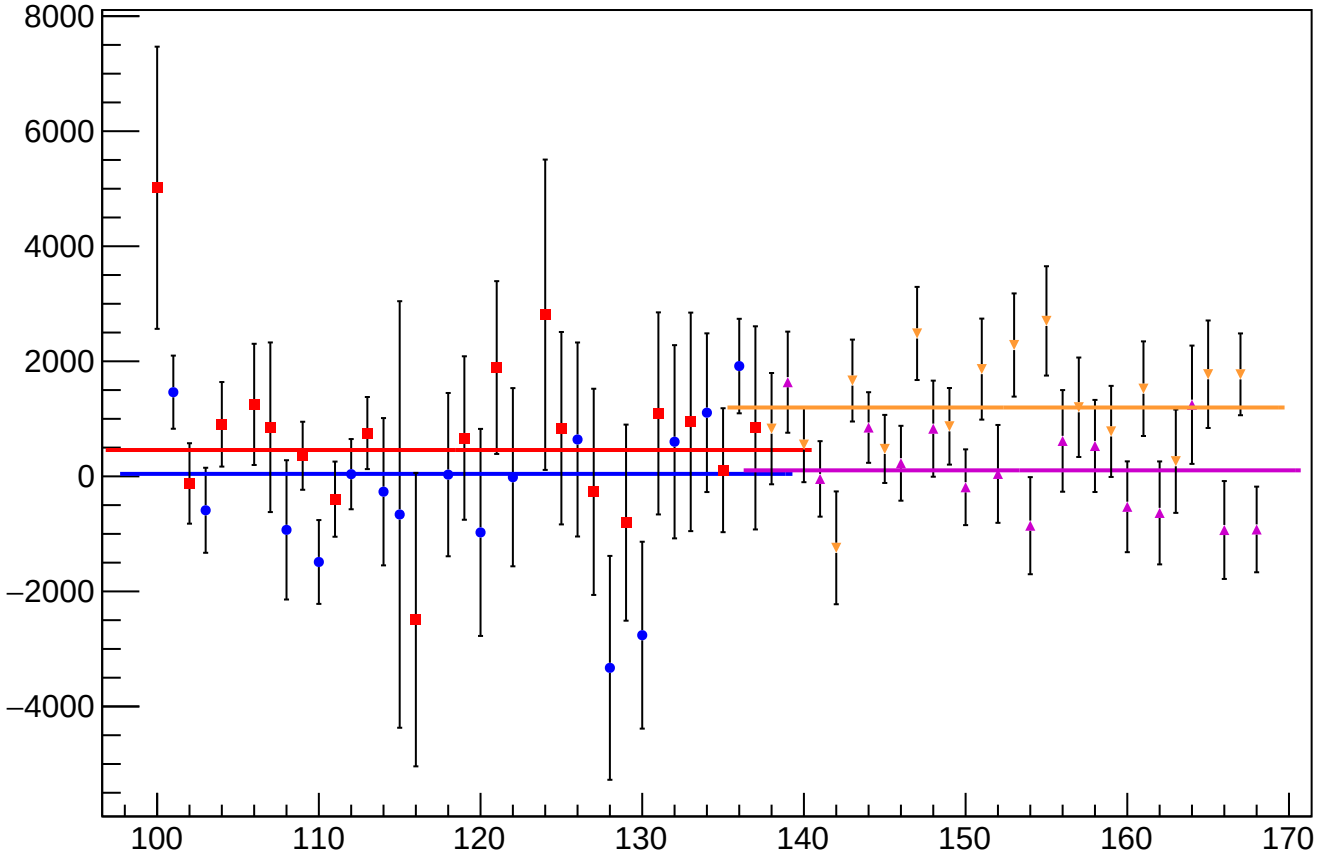
Left In: 704.199+/-0.143 χ^2/NDF:318017.5/14

+ sign 681.246+/-0.112 χ^2/NDF: 2458094.4/31

All: 673.158+/-0.078 χ^2/NDF: 5039690.1/65

- sign 665.424+/-0.109 χ^2/NDF: 2571386.4/33

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1197.140+/-198.071 χ^2/NDF:19.1/15

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

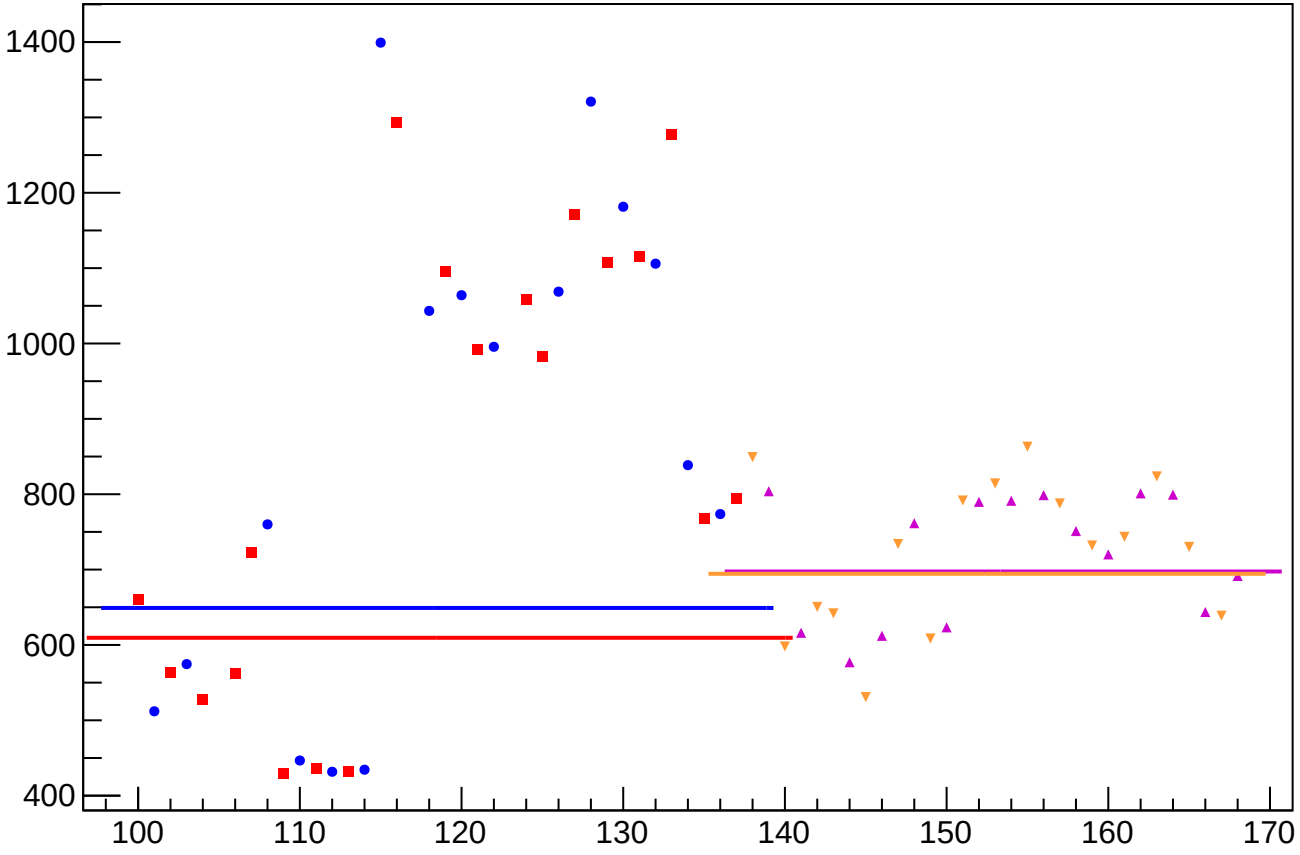
Left In: 104.628+/-200.055 χ^2/NDF:13.4/14

+ sign 772.939+/-157.513 χ^2/NDF: 54.8/31

All: 504.868+/-110.102 χ^2/NDF: 86.4/65

- sign 248.751+/-153.961 χ^2/NDF: 26.0/33

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 694.409+/-0.140 χ^2/NDF:515535.9/15

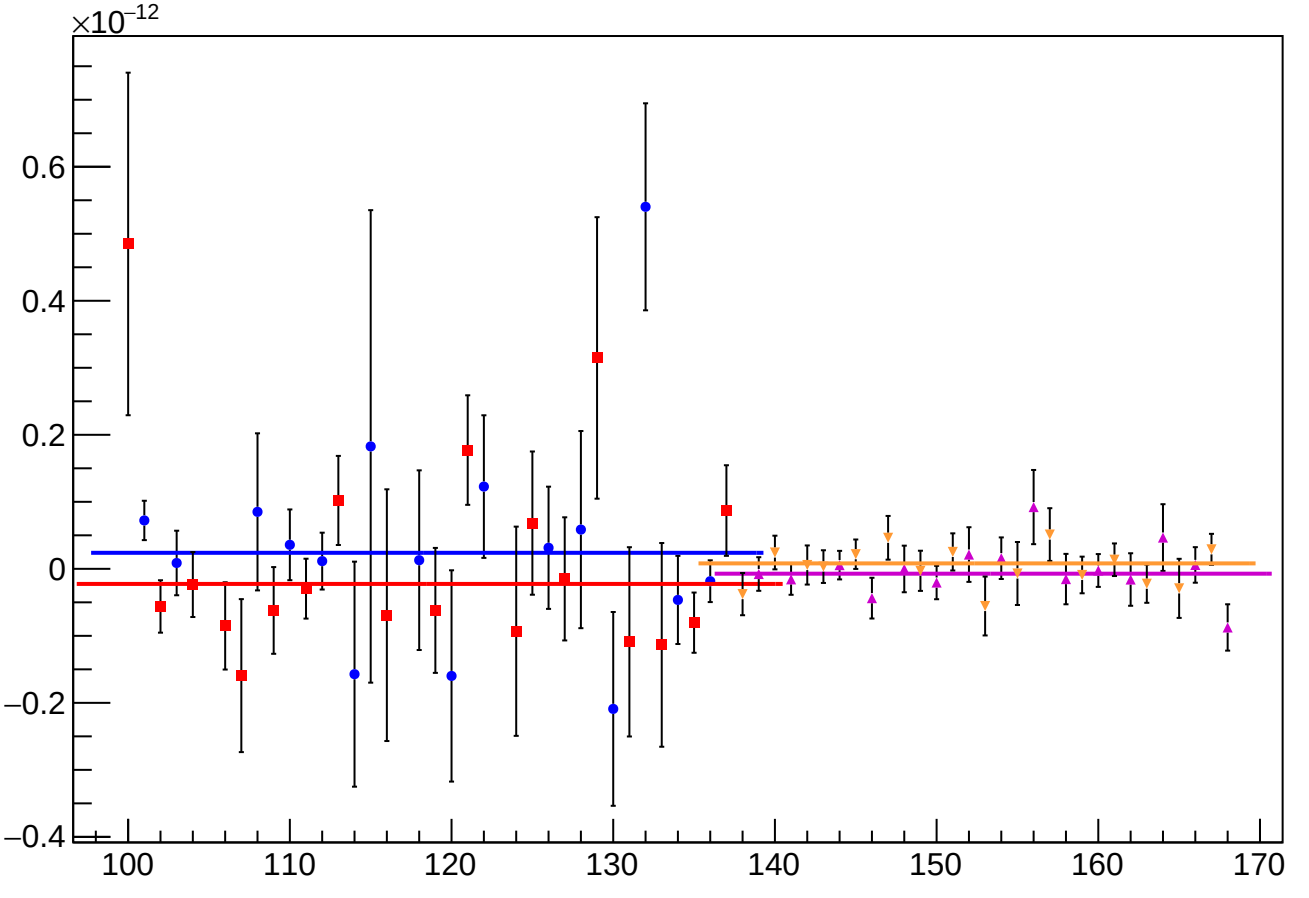
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 697.454+/-0.141 χ^2/NDF:348492.2/14

+ sign 677.750+/-0.111 χ^2/NDF: 2399837.7/31

All: 669.491+/-0.078 χ^2/NDF: 4960232.7/65

- sign 661.599+/-0.109 χ^2/NDF: 2549641.8/33



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/15

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

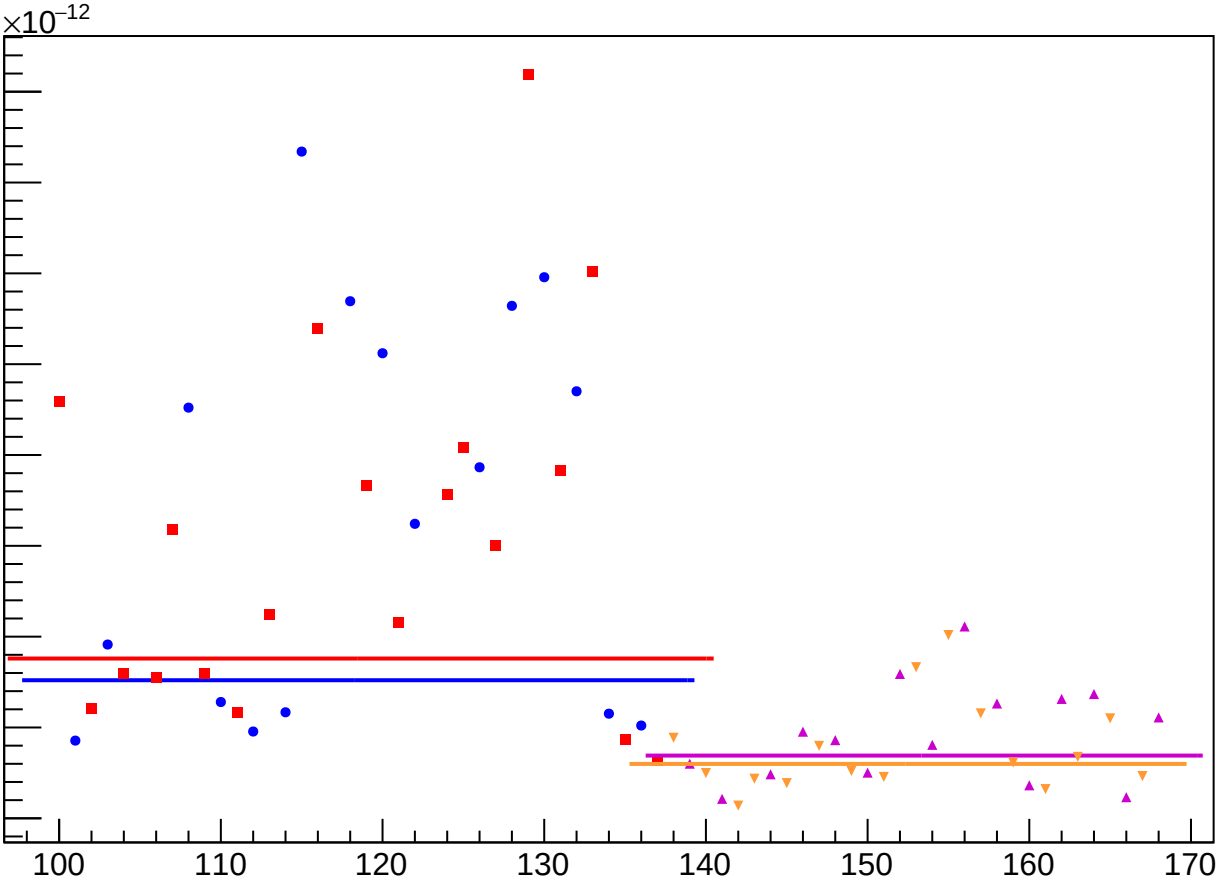
Left In: -0.000+/-0.000 χ^2/NDF:13.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 35.9/31

All: 0.000+/-0.000 χ^2/NDF: 80.6/65

- sign -0.000+/-0.000 χ^2/NDF: 39.9/33

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:510841.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

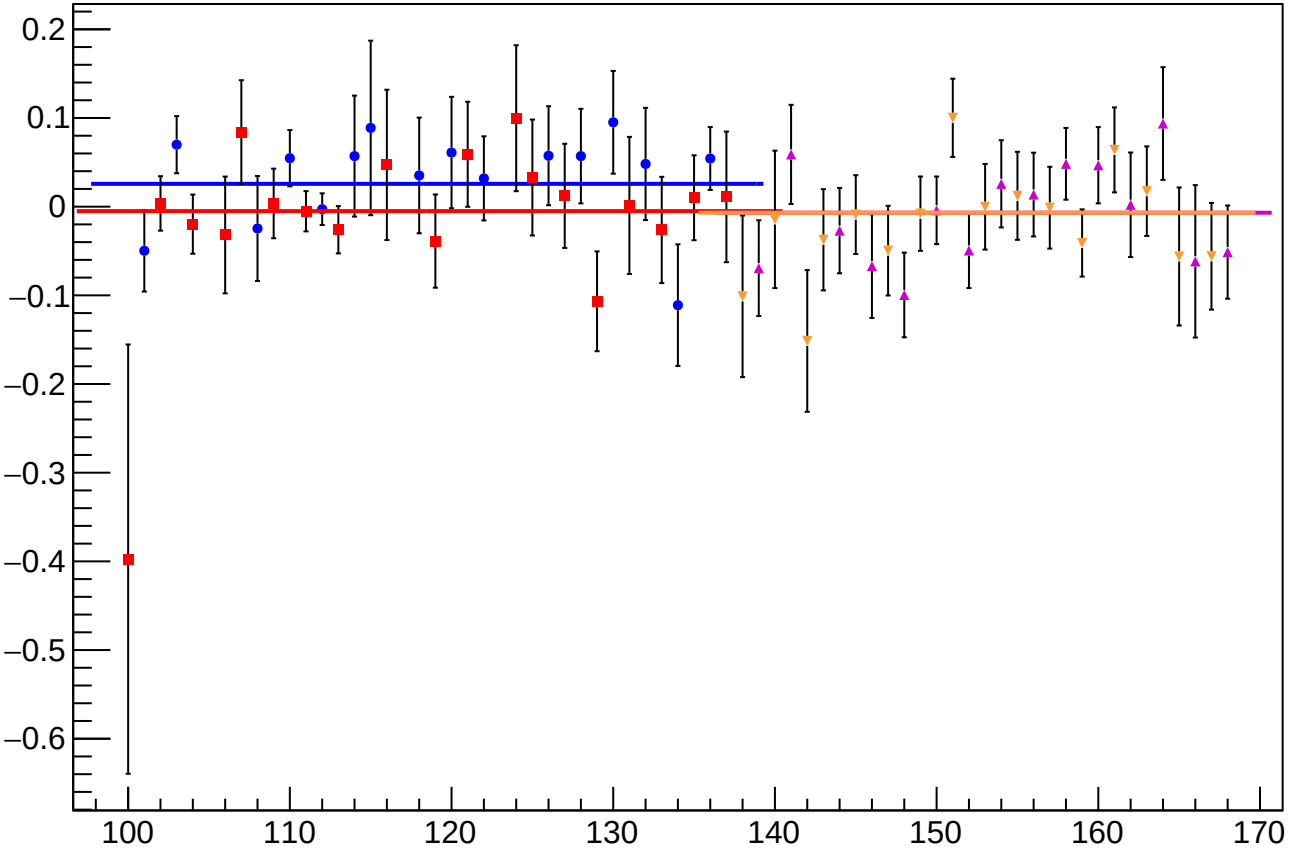
Left In: 0.000+/-0.000 χ^2/NDF:628995.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 2421801.0/31

All: 0.000+/-0.000 χ^2/NDF: 4768346.7/65

- sign 0.000+/-0.000 χ^2/NDF: 2316909.3/33

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: -0.007+/-0.013 χ^2/NDF:15.7/15

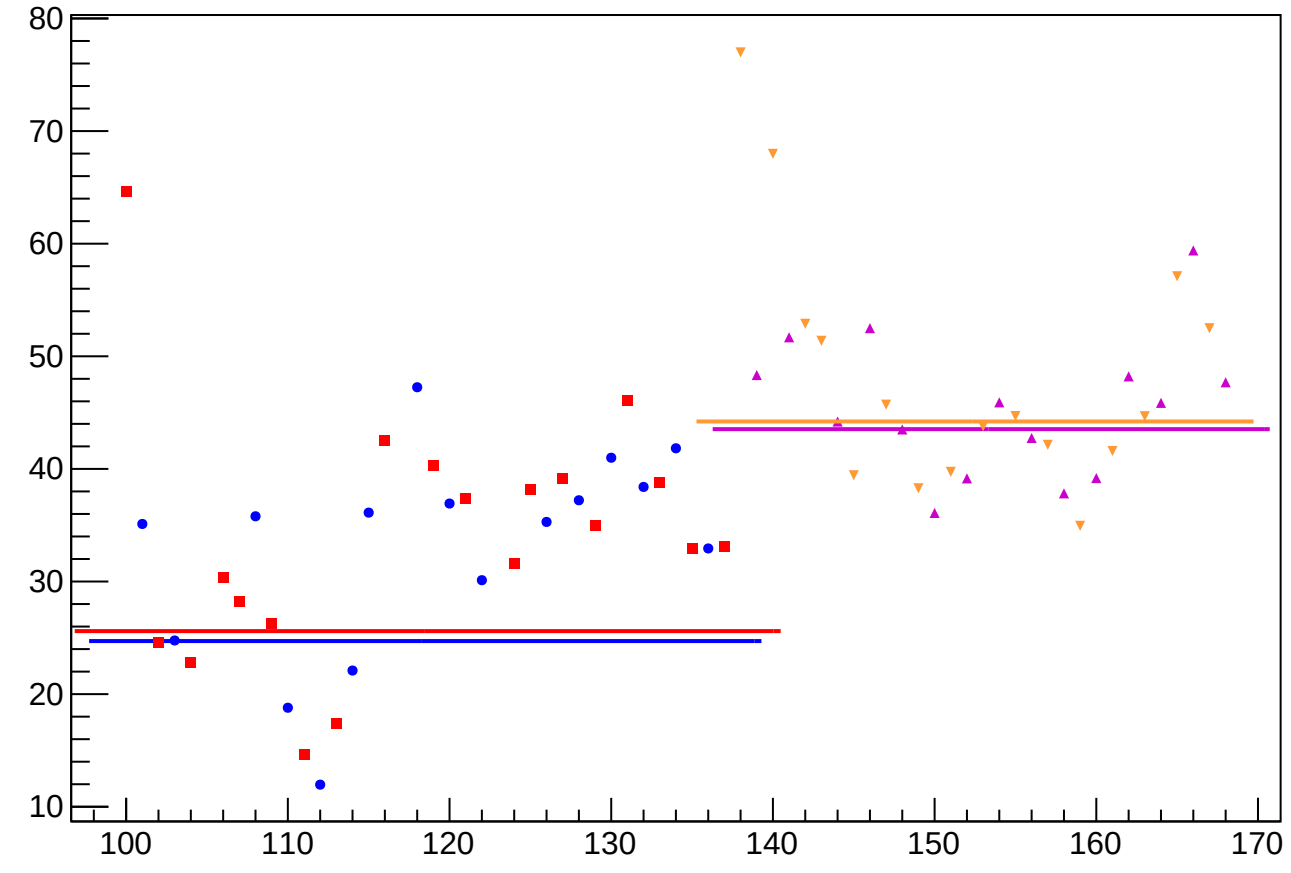
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.007+/-0.013 χ^2/NDF:16.4/14

+ sign 0.013+/-0.008 χ^2/NDF: 36.1/31

All: 0.004+/-0.006 χ^2/NDF: 68.8/65

- sign -0.006+/-0.008 χ^2/NDF: 30.1/33



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 44.212+/-0.009 χ^2/NDF:809983.5/15

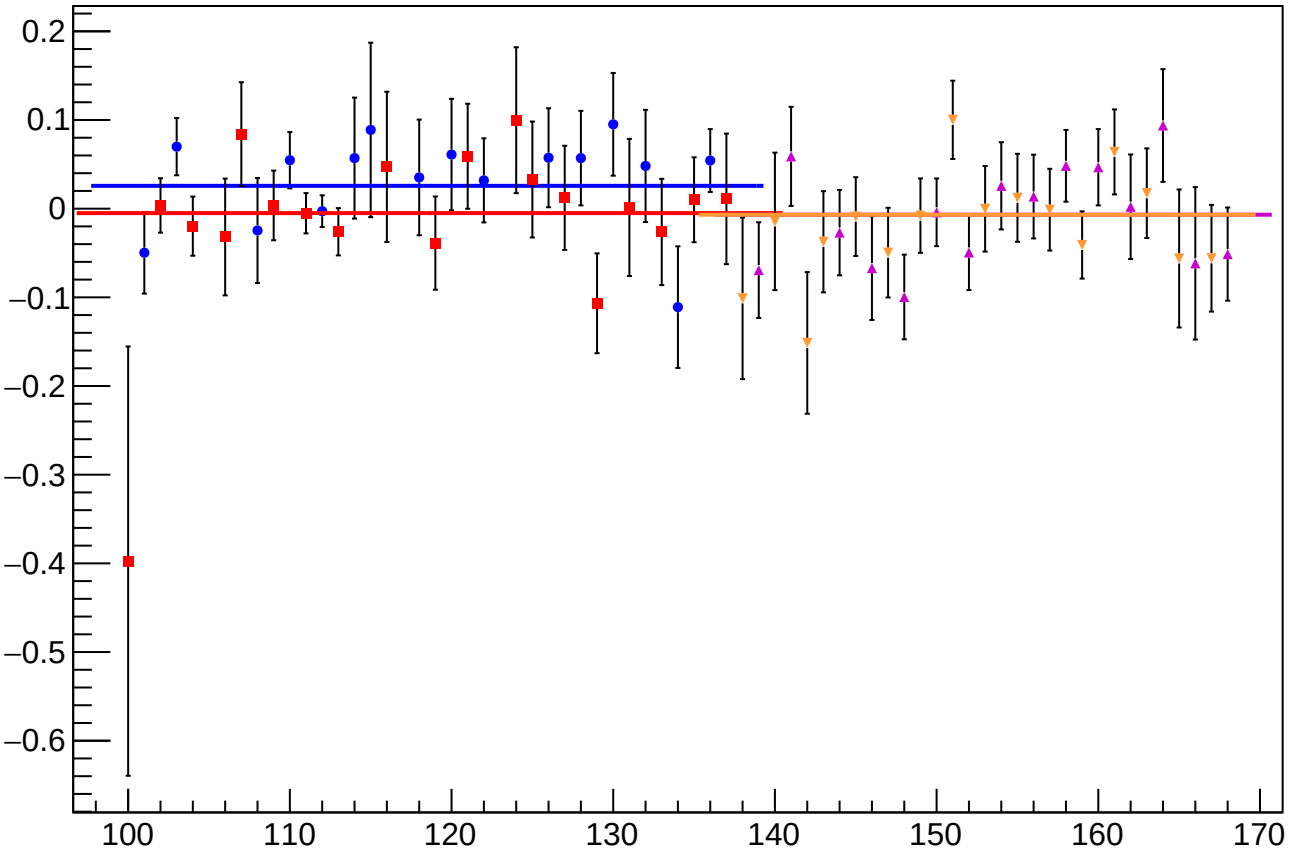
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.532+/-0.009 χ^2/NDF:364530.3/14

+ sign 32.348+/-0.006 χ^2/NDF: 5881488.6/31

All: 32.522+/-0.004 χ^2/NDF: 10230205.2/65

- sign 32.694+/-0.006 χ^2/NDF: 4346876.9/33



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.013 χ^2/NDF:15.7/15

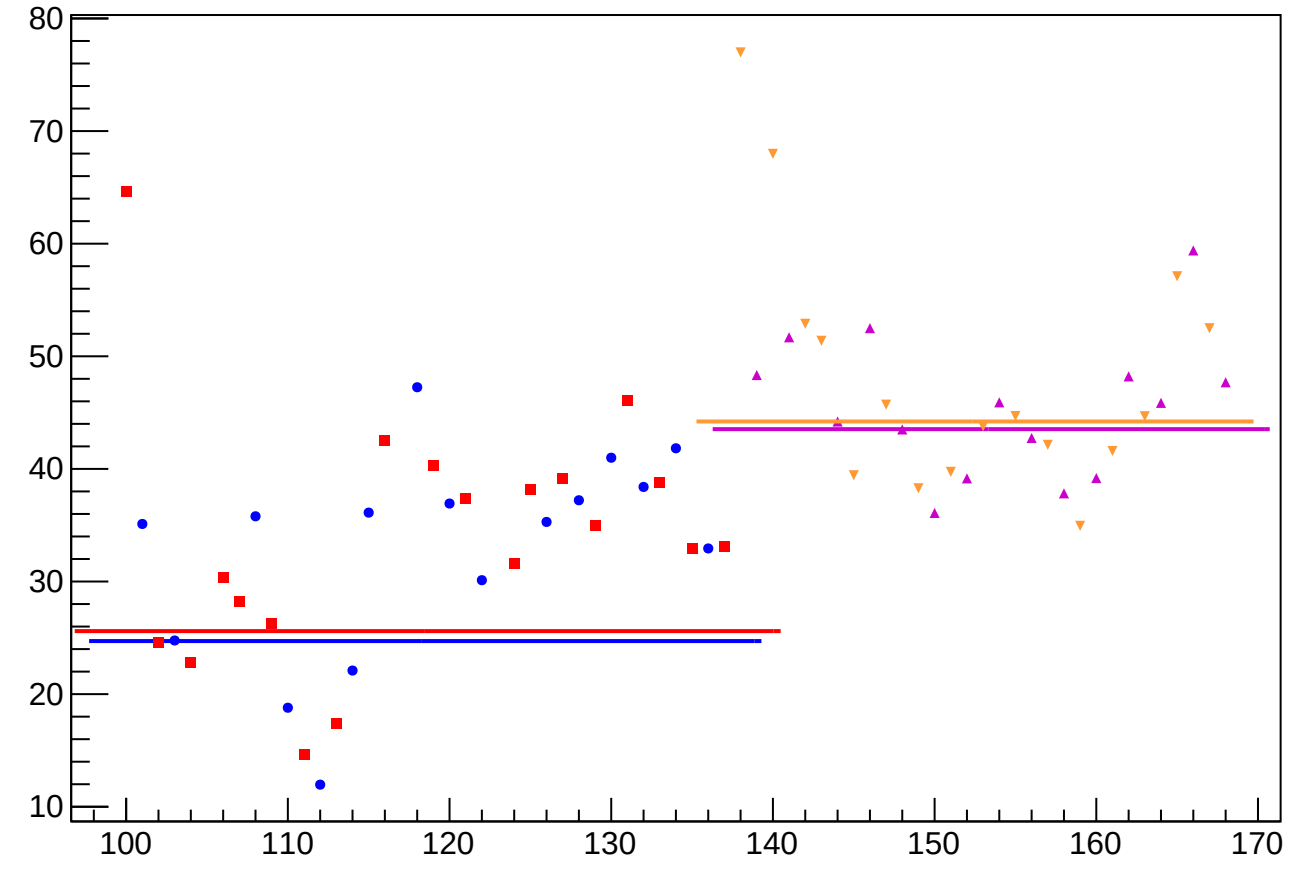
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.007+/-0.013 χ^2/NDF:16.4/14

+ sign 0.013+/-0.008 χ^2/NDF: 36.1/31

All: 0.004+/-0.006 χ^2/NDF: 68.8/65

- sign -0.006+/-0.008 χ^2/NDF: 30.1/33



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 44.212+/-0.009 χ^2/NDF:809983.5/15

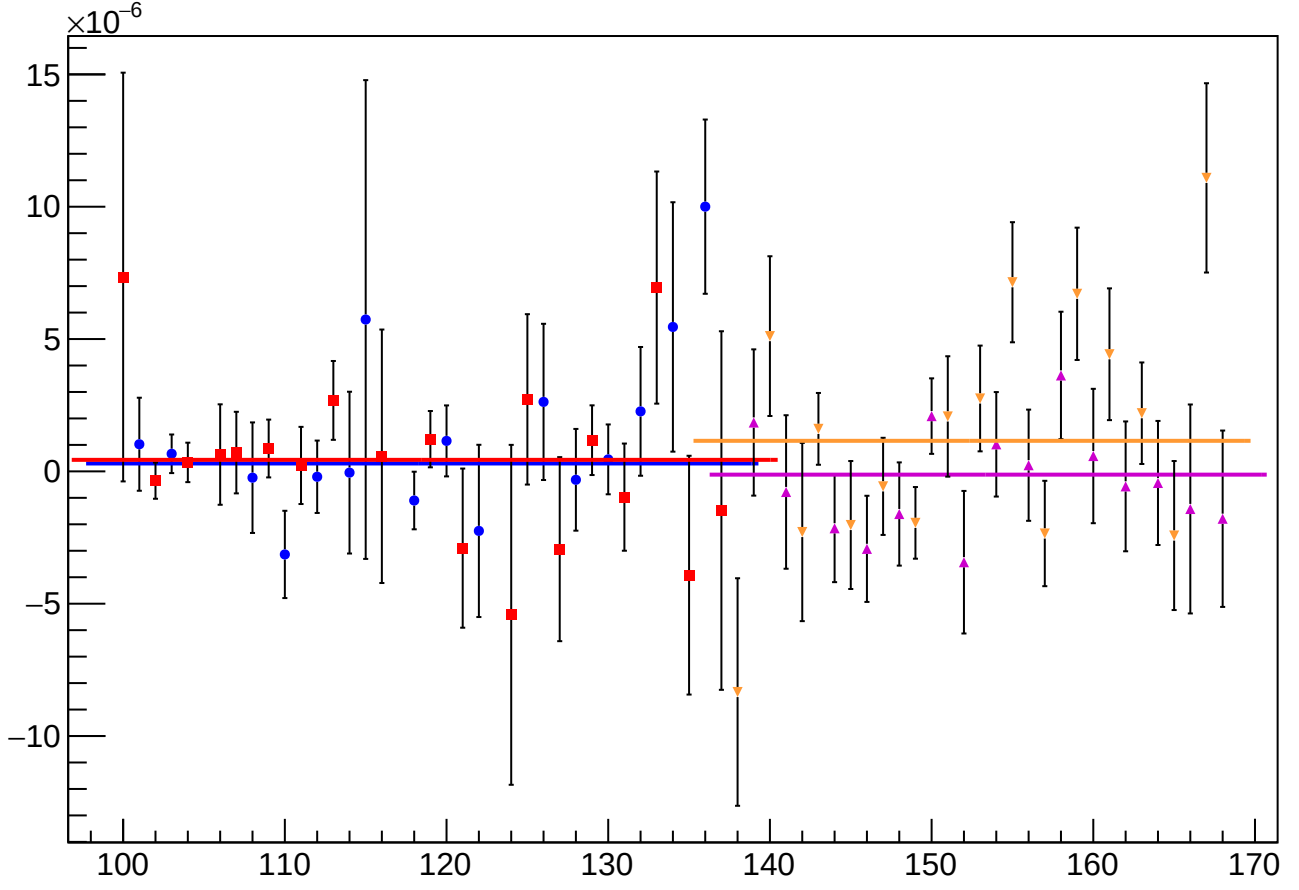
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.532+/-0.009 χ^2/NDF:364530.3/14

+ sign 32.348+/-0.006 χ^2/NDF: 5881488.6/31

All: 32.522+/-0.004 χ^2/NDF: 10230205.2/65

- sign 32.694+/-0.006 χ^2/NDF: 4346876.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.8/15

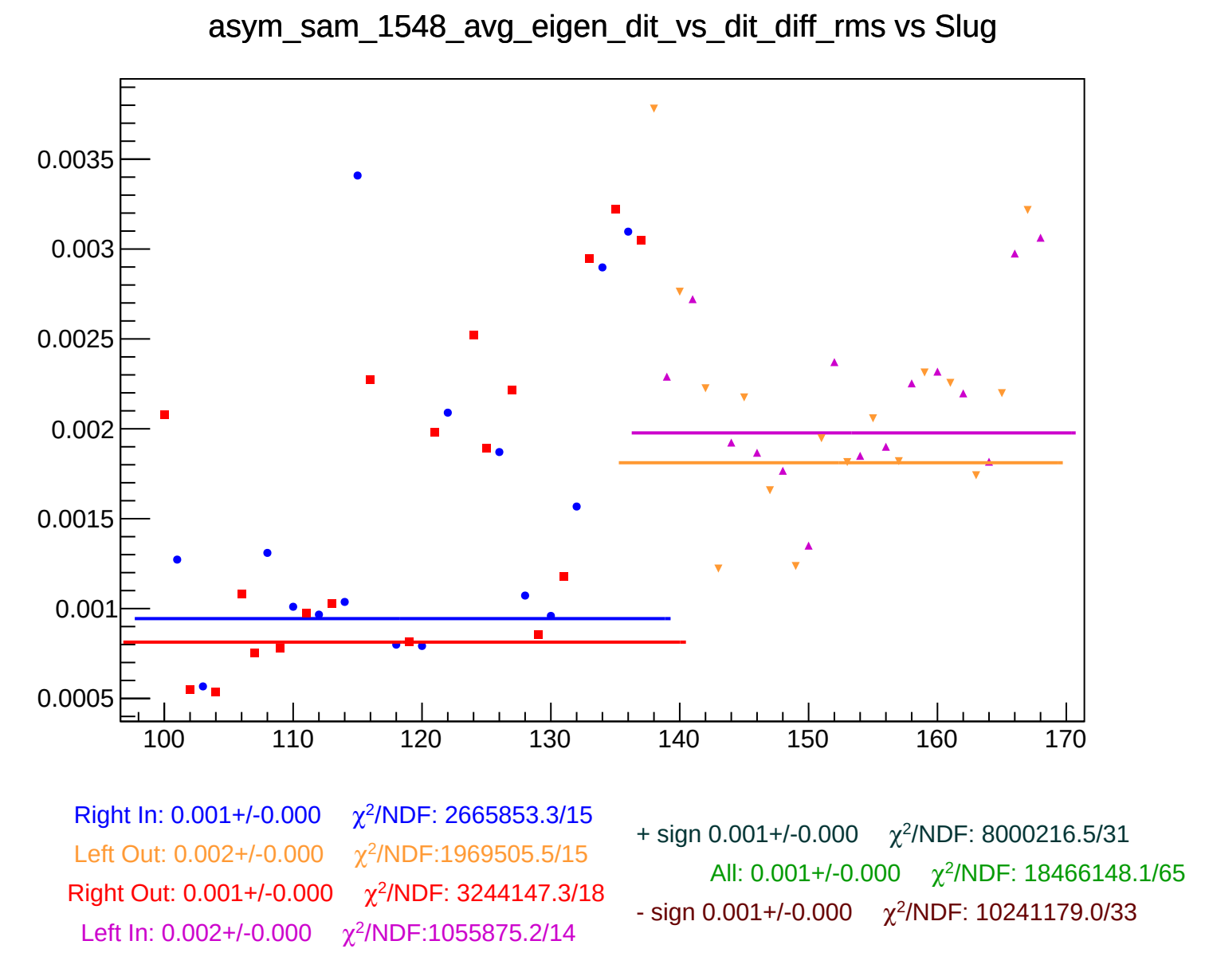
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:11.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 63.7/31

All: 0.000+/-0.000 χ^2/NDF: 88.9/65

- sign 0.000+/-0.000 χ^2/NDF: 24.7/33


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
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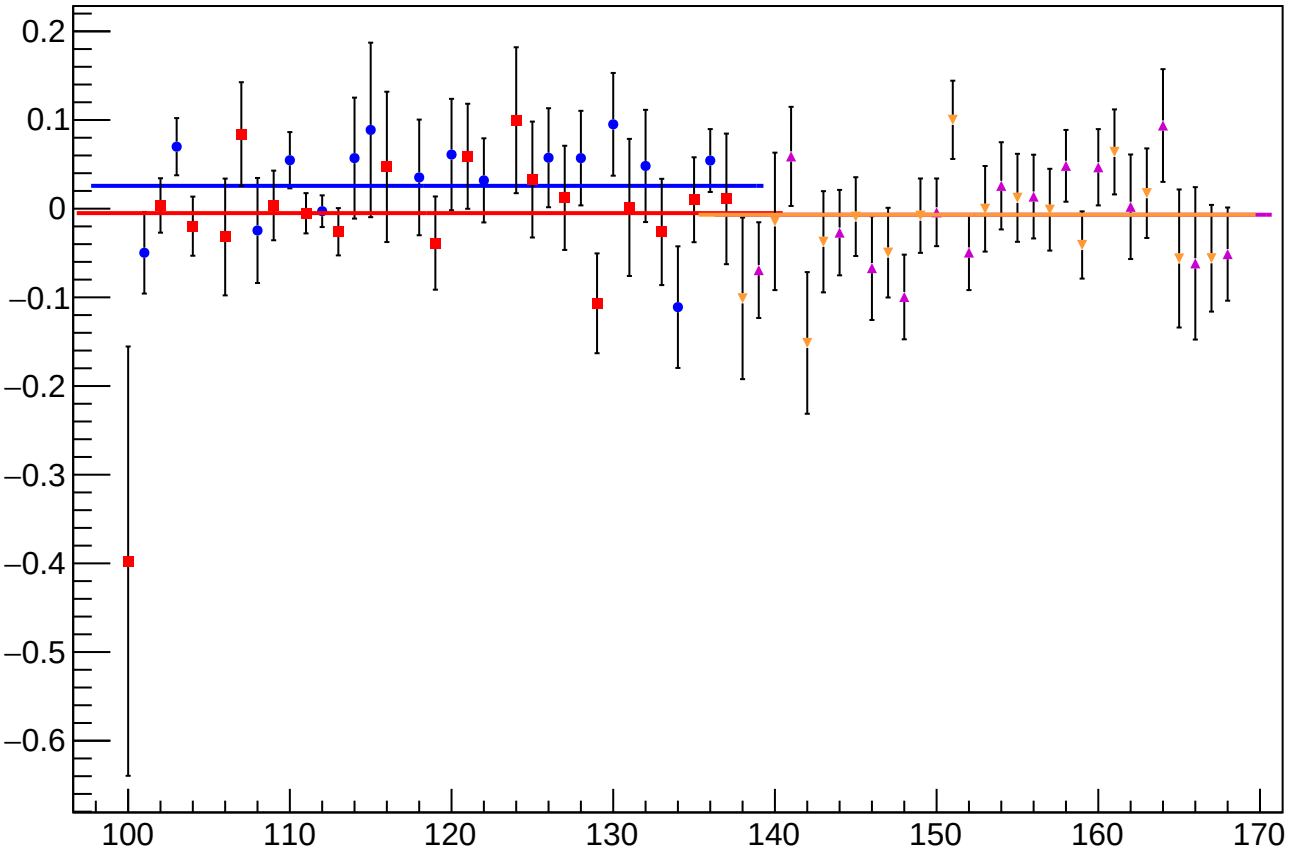
160
170
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1969505.5/15
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:1055875.2/14
+ sign 0.001+/-0.000 χ²/NDF: 8000216.5/31
All: 0.001+/-0.000 χ²/NDF: 18466148.1/65
- sign 0.001+/-0.000 χ²/NDF: 10241179.0/33



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.013 χ^2/NDF:15.7/15

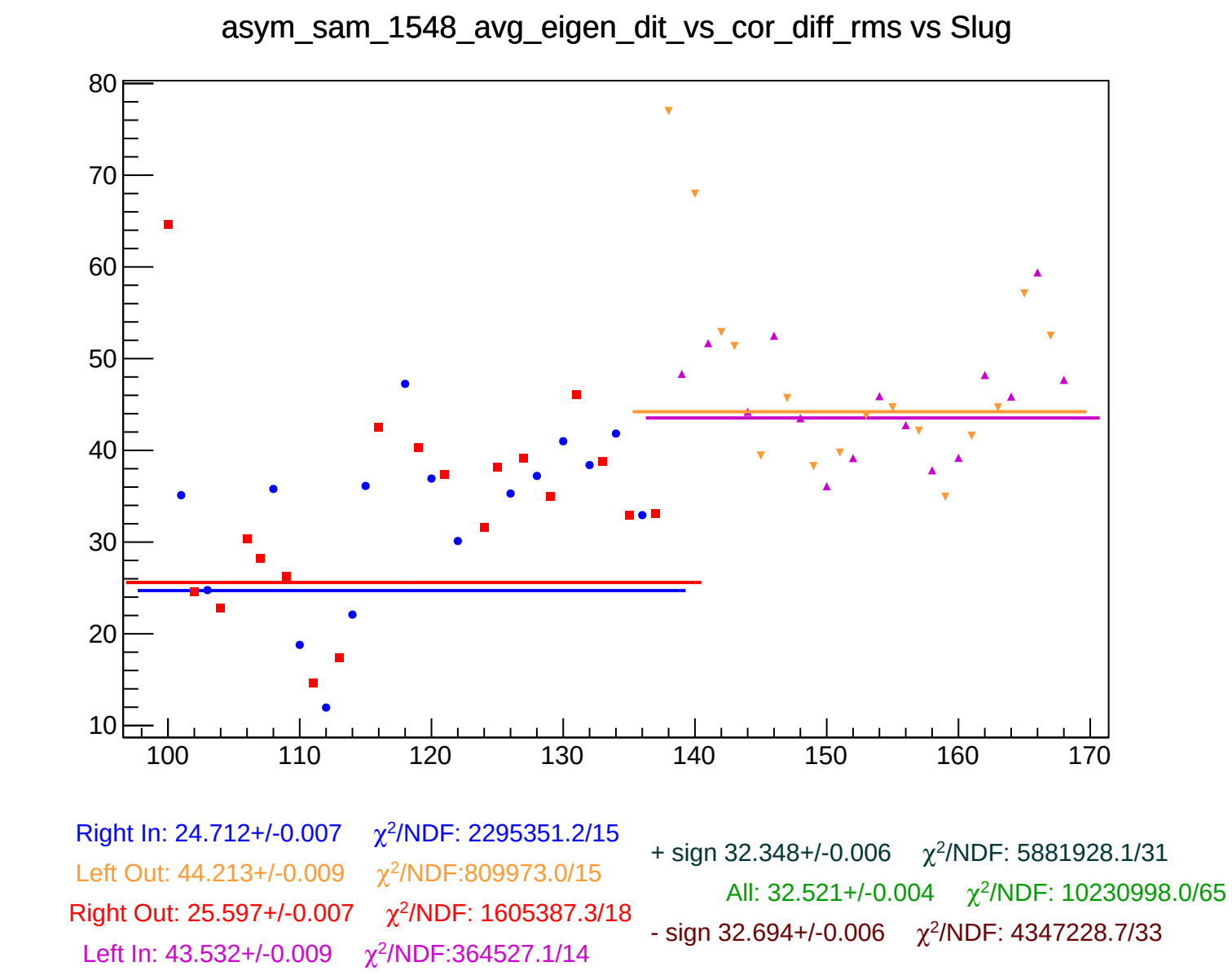
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.007+/-0.013 χ^2/NDF:16.4/14

+ sign 0.013+/-0.008 χ^2/NDF: 36.1/31

All: 0.004+/-0.006 χ^2/NDF: 68.8/65

- sign -0.006+/-0.008 χ^2/NDF: 30.1/33


asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug
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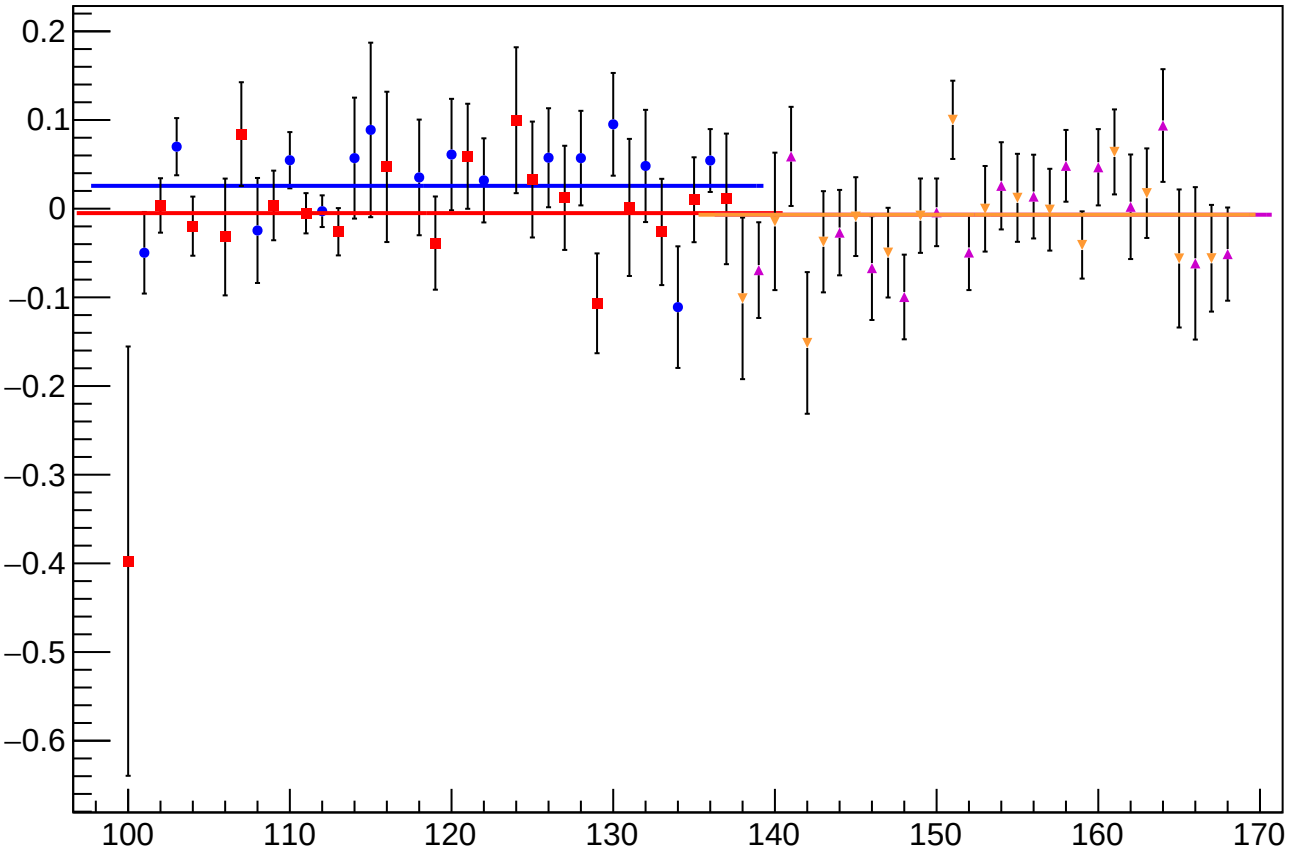
170
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 44.213+/-0.009 χ²/NDF:809973.0/15
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 43.532+/-0.009 χ²/NDF:364527.1/14
+ sign 32.348+/-0.006 χ²/NDF: 5881928.1/31
All: 32.521+/-0.004 χ²/NDF: 10230998.0/65
- sign 32.694+/-0.006 χ²/NDF: 4347228.7/33



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.013 χ^2/NDF:15.7/15

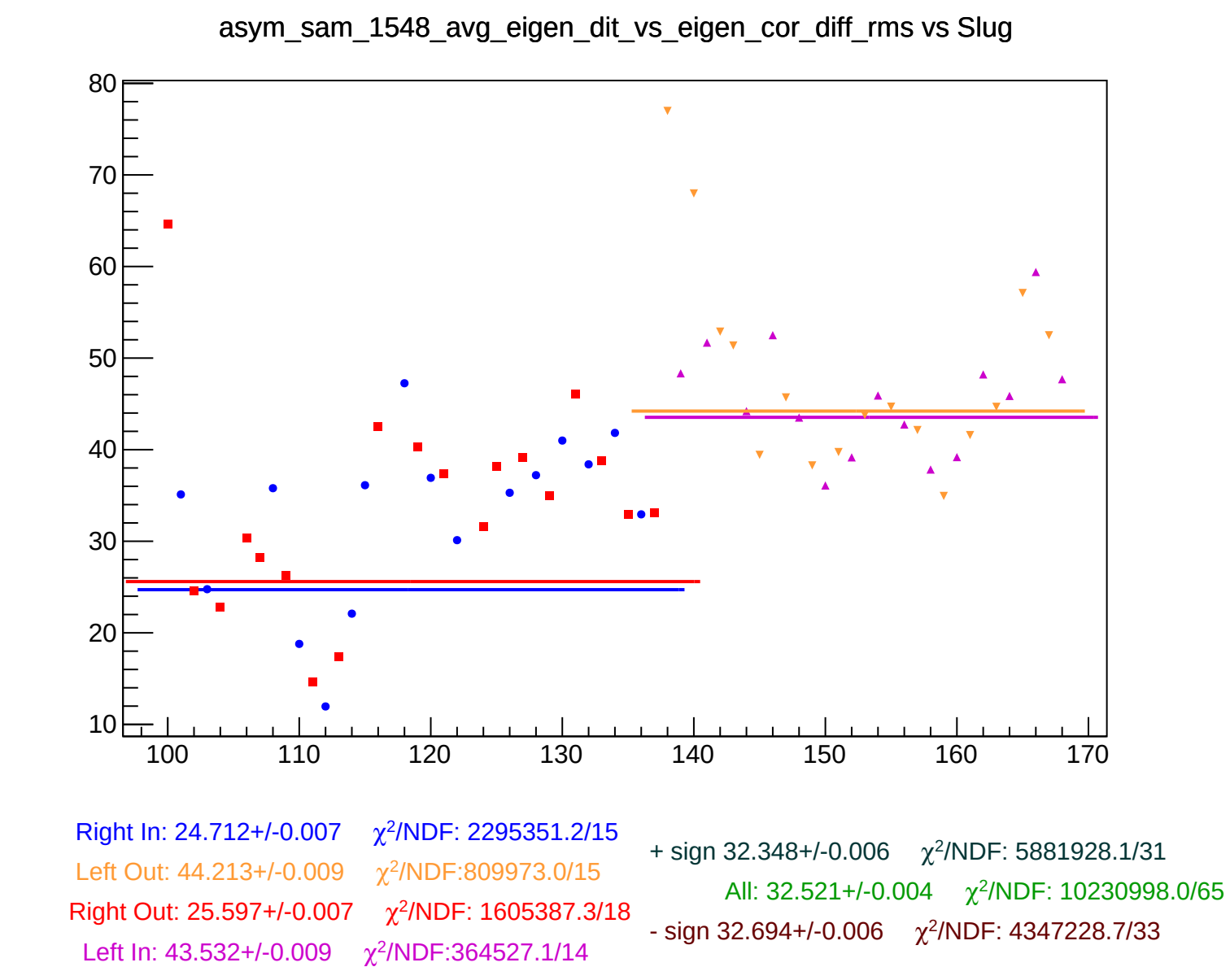
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.007+/-0.013 χ^2/NDF:16.4/14

+ sign 0.013+/-0.008 χ^2/NDF: 36.1/31

All: 0.004+/-0.006 χ^2/NDF: 68.8/65

- sign -0.006+/-0.008 χ^2/NDF: 30.1/33


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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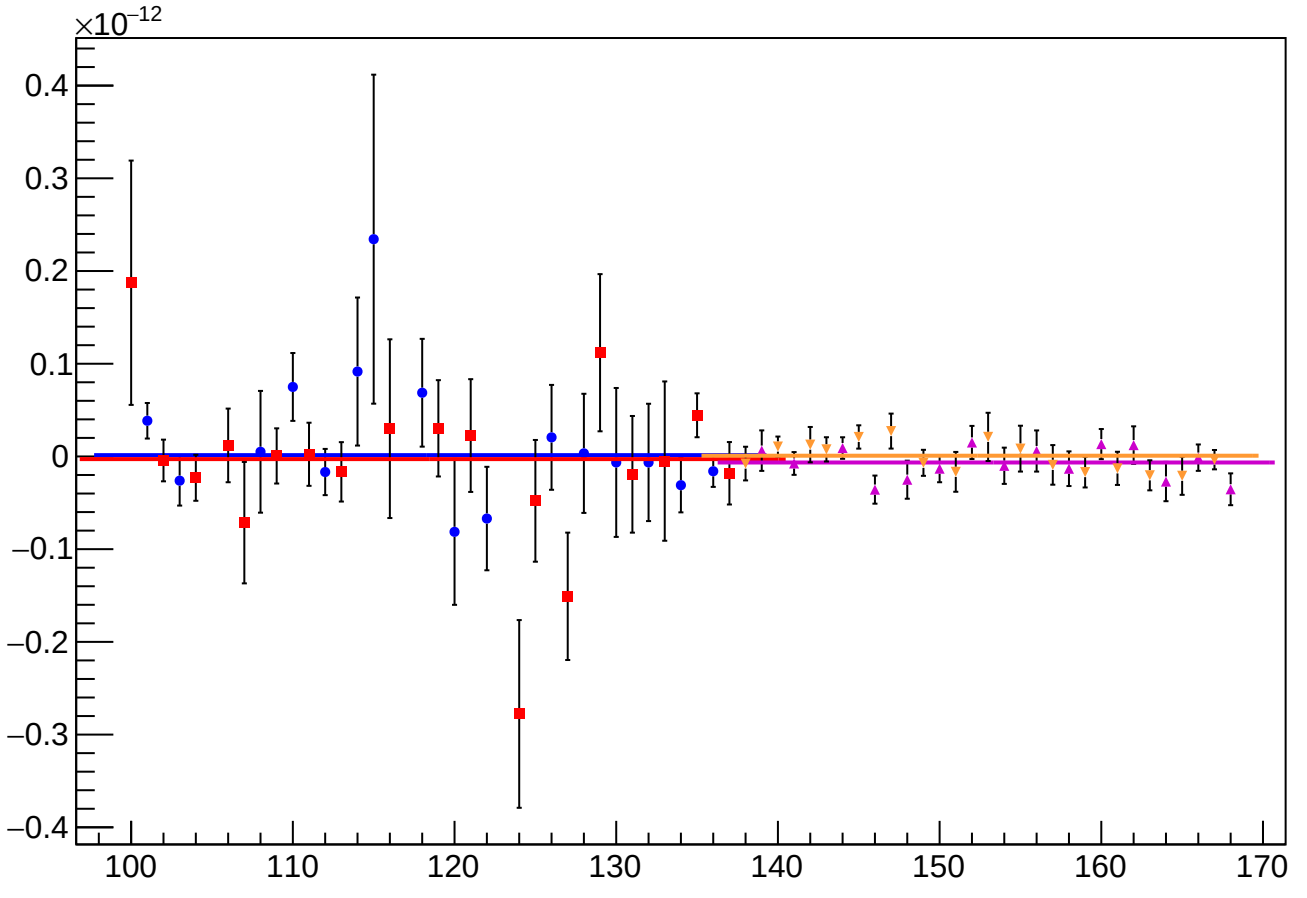
170
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 44.213+/-0.009 χ²/NDF:809973.0/15
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 43.532+/-0.009 χ²/NDF:364527.1/14
+ sign 32.348+/-0.006 χ²/NDF: 5881928.1/31
All: 32.521+/-0.004 χ²/NDF: 10230998.0/65
- sign 32.694+/-0.006 χ²/NDF: 4347228.7/33



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.9/15

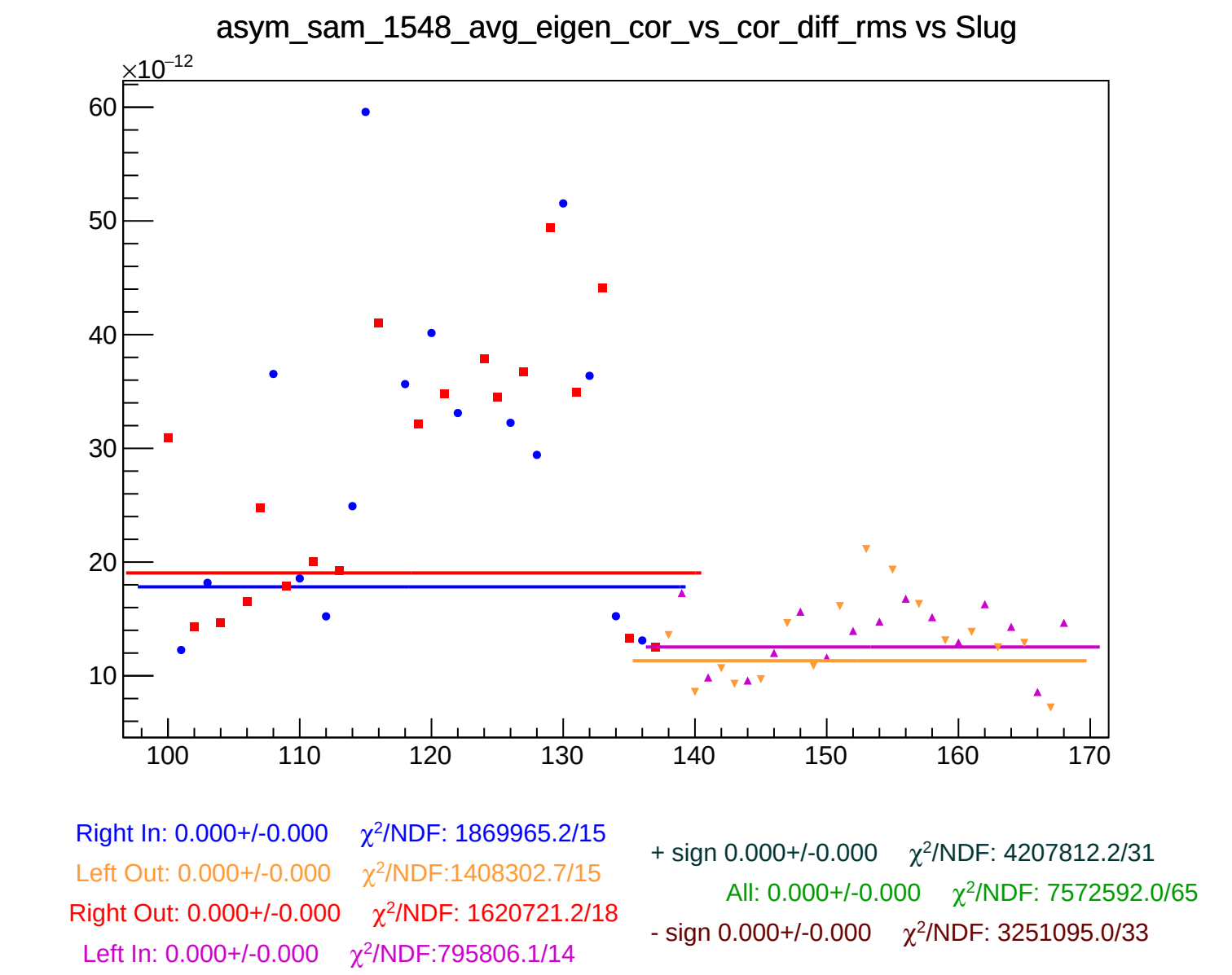
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 31.6/31

All: -0.000+/-0.000 χ^2/NDF: 71.9/65

- sign -0.000+/-0.000 χ^2/NDF: 38.7/33


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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100
110
120
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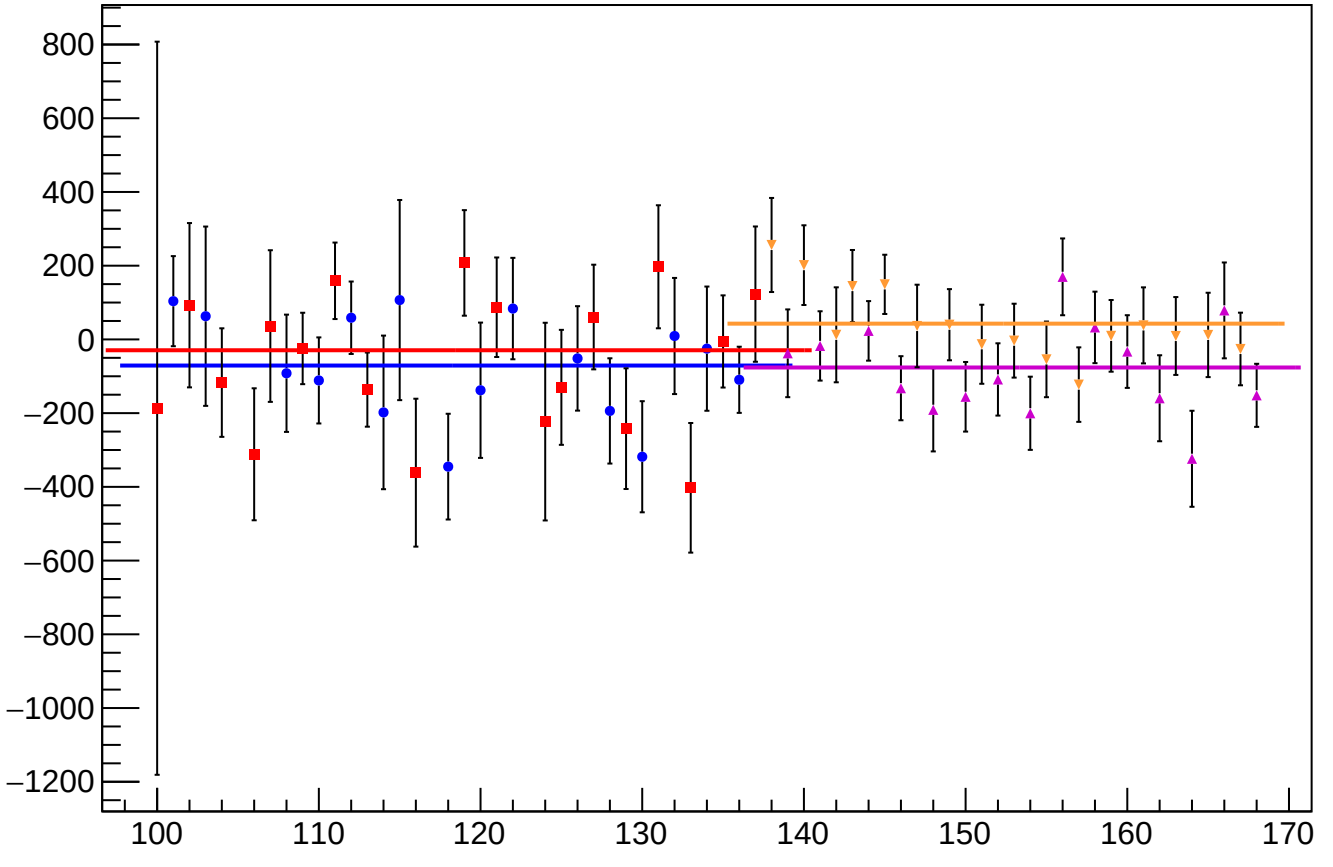
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1408302.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:795806.1/14
+ sign 0.000+/-0.000 χ²/NDF: 4207812.2/31
All: 0.000+/-0.000 χ²/NDF: 7572592.0/65
- sign 0.000+/-0.000 χ²/NDF: 3251095.0/33

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 42.759+/-25.804 χ^2/NDF:12.7/15

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

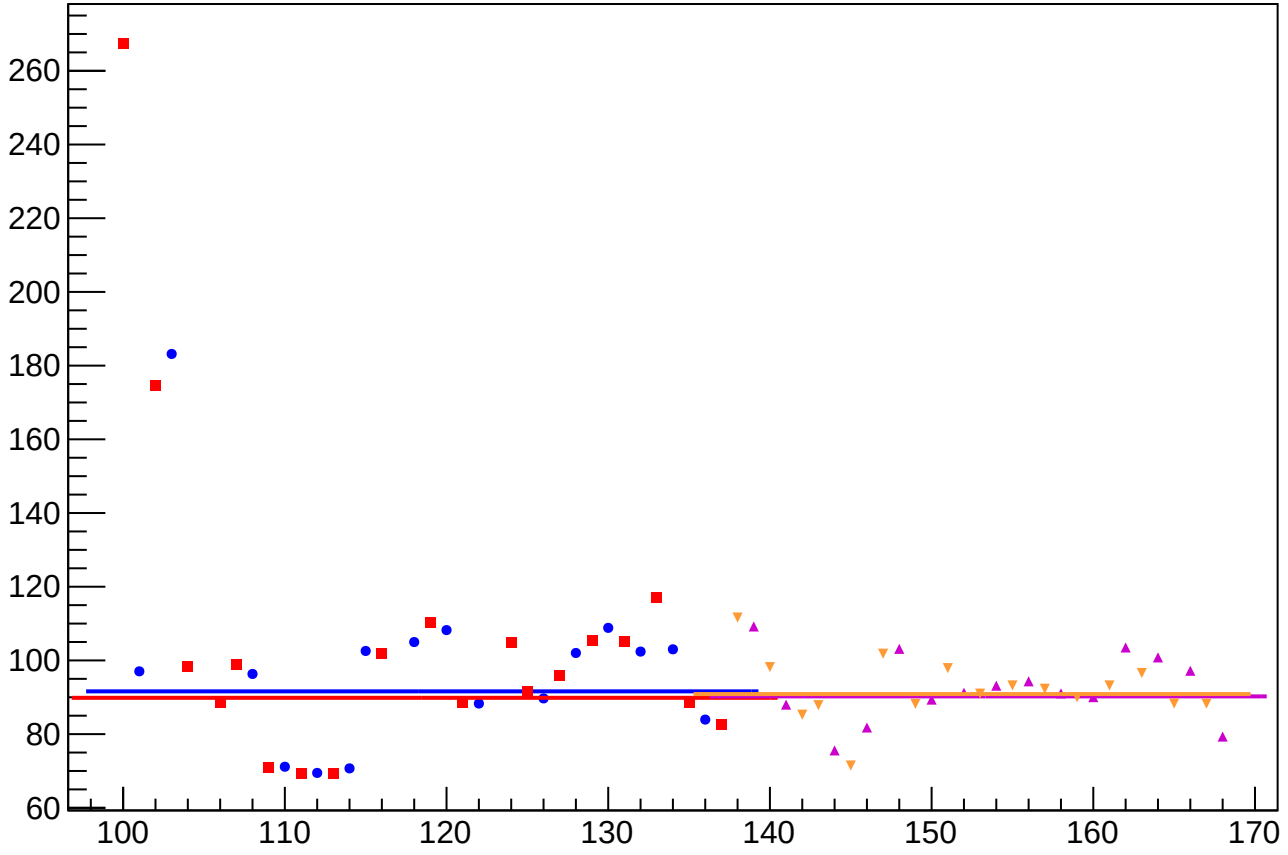
Left In: -76.182+/-25.864 χ^2/NDF:19.2/14

+ sign 2.919+/-20.795 χ^2/NDF: 33.5/31

All: -28.371+/-14.648 χ^2/NDF: 82.4/65

- sign -59.192+/-20.638 χ^2/NDF: 44.4/33

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.868+/-0.018 χ^2/NDF:224382.1/15

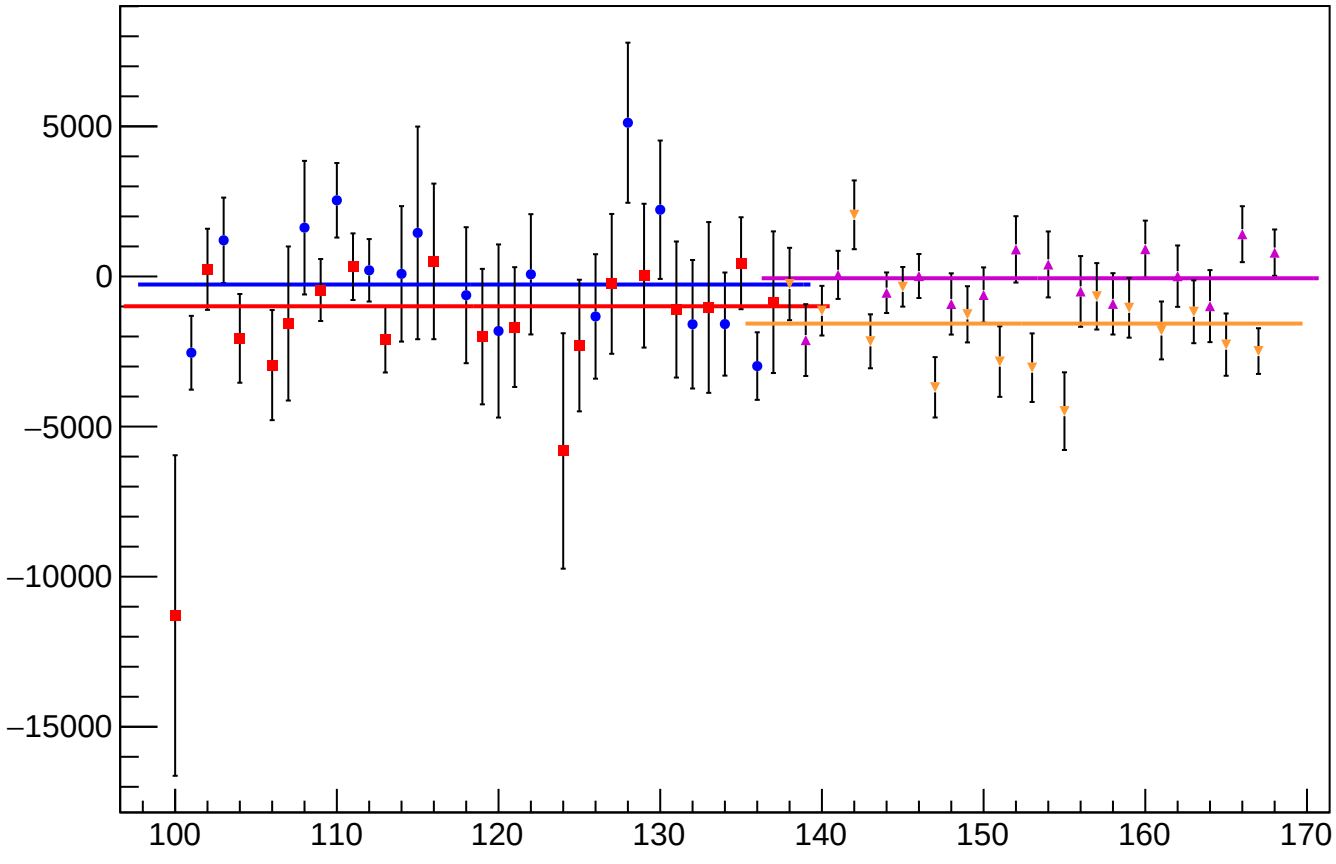
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 90.242+/-0.018 χ^2/NDF:245445.6/14

+ sign 91.127+/-0.015 χ^2/NDF: 805631.4/31

All: 90.611+/-0.010 χ^2/NDF: 1799982.8/65

- sign 90.101+/-0.015 χ^2/NDF: 991897.9/33



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1569.543+/-241.582 χ^2/NDF:30.9/15

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

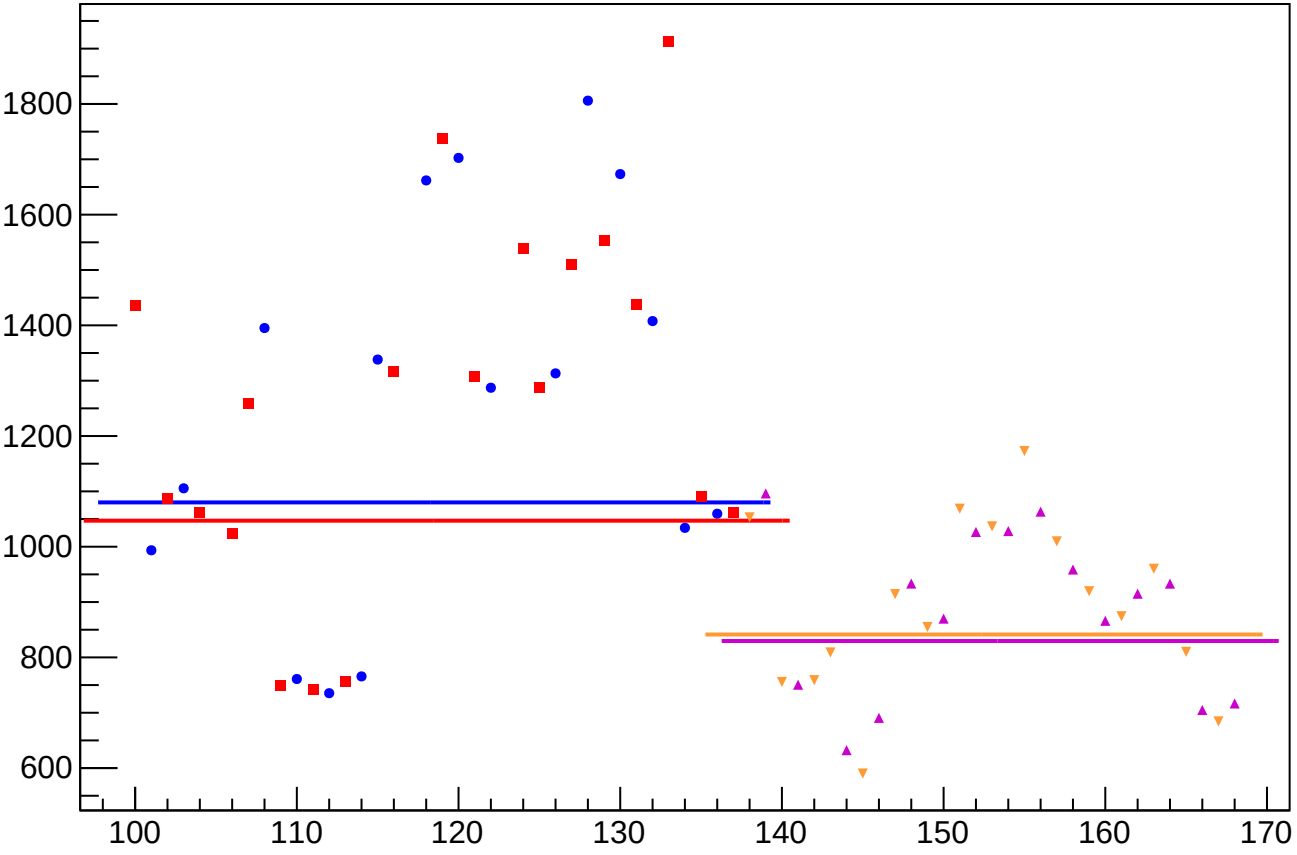
Left In: -59.743+/-239.911 χ^2/NDF:11.7/14

+ sign -1245.610+/-209.359 χ^2/NDF: 61.5/31

All: -767.779+/-146.784 χ^2/NDF: 100.1/65

- sign -305.813+/-205.854 χ^2/NDF: 28.4/33

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 841.394+/-0.171 χ^2/NDF:835418.3/15

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

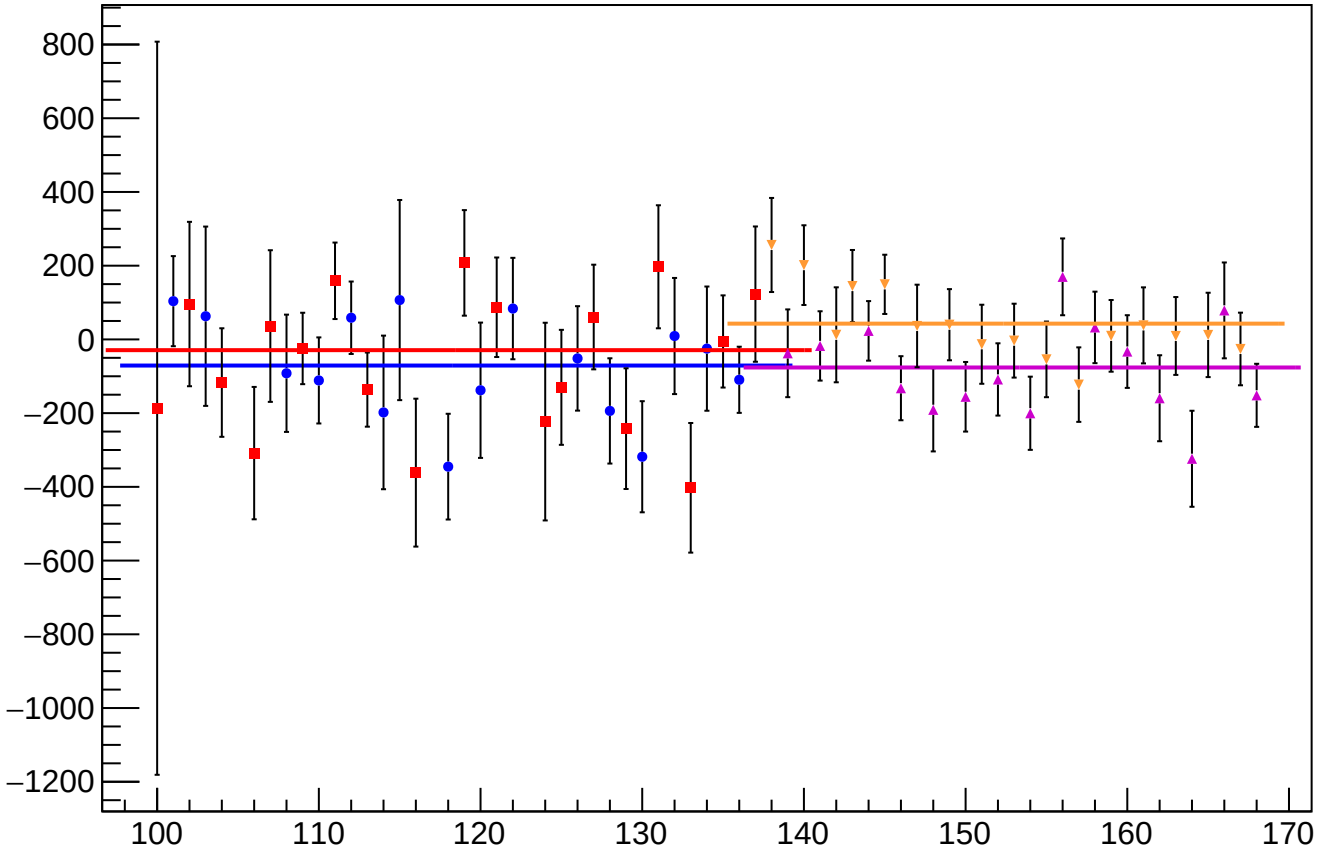
Left In: 829.612+/-0.170 χ^2/NDF:735867.2/14

+ sign 900.812+/-0.148 χ^2/NDF: 2374831.9/31

All: 893.773+/-0.104 χ^2/NDF: 4747184.5/65

- sign 886.968+/-0.146 χ^2/NDF: 2367906.4/33

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 42.765+/-25.804 χ^2/NDF:12.7/15

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

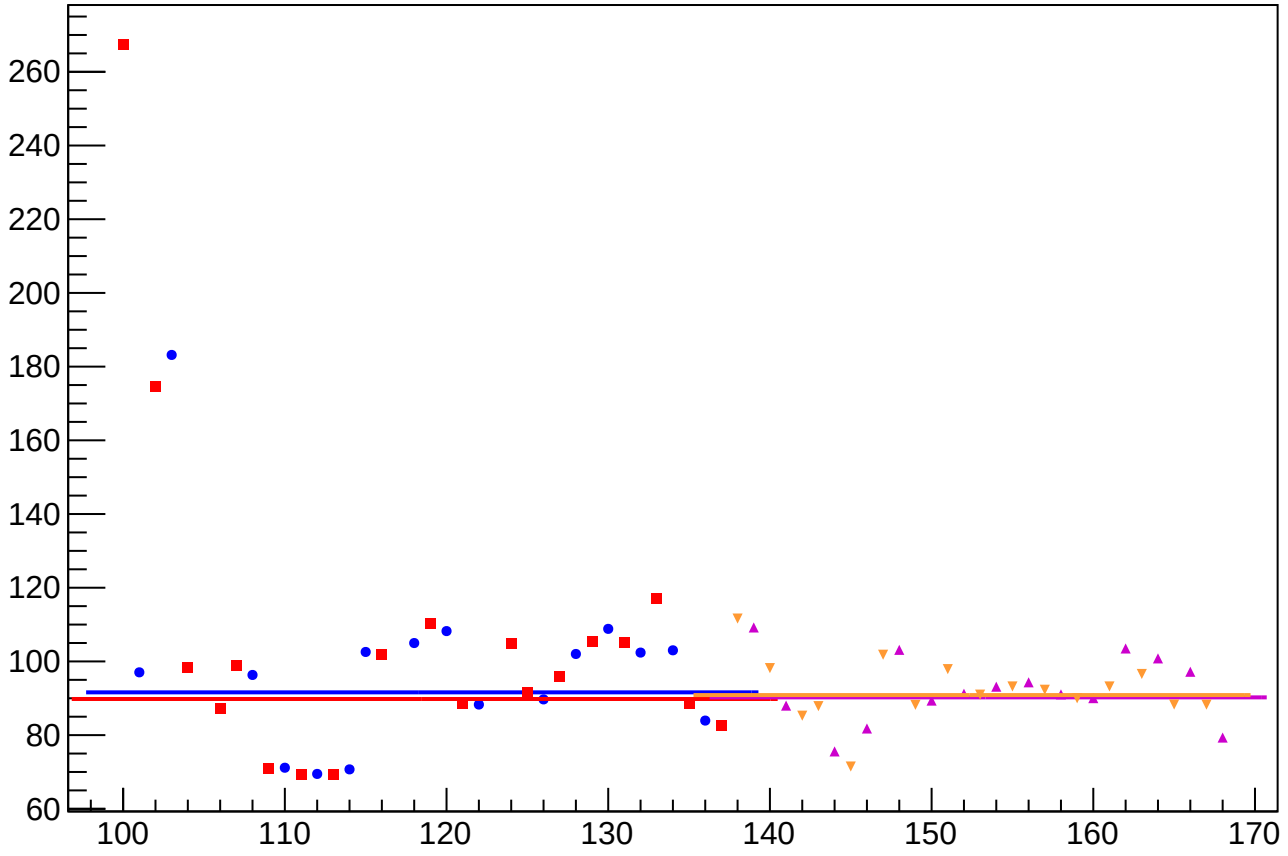
Left In: -76.182+/-25.864 χ^2/NDF:19.2/14

+ sign 2.919+/-20.795 χ^2/NDF: 33.5/31

All: -28.325+/-14.649 χ^2/NDF: 82.4/65

- sign -59.104+/-20.639 χ^2/NDF: 44.3/33

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.868+/-0.018 χ^2/NDF:224382.1/15

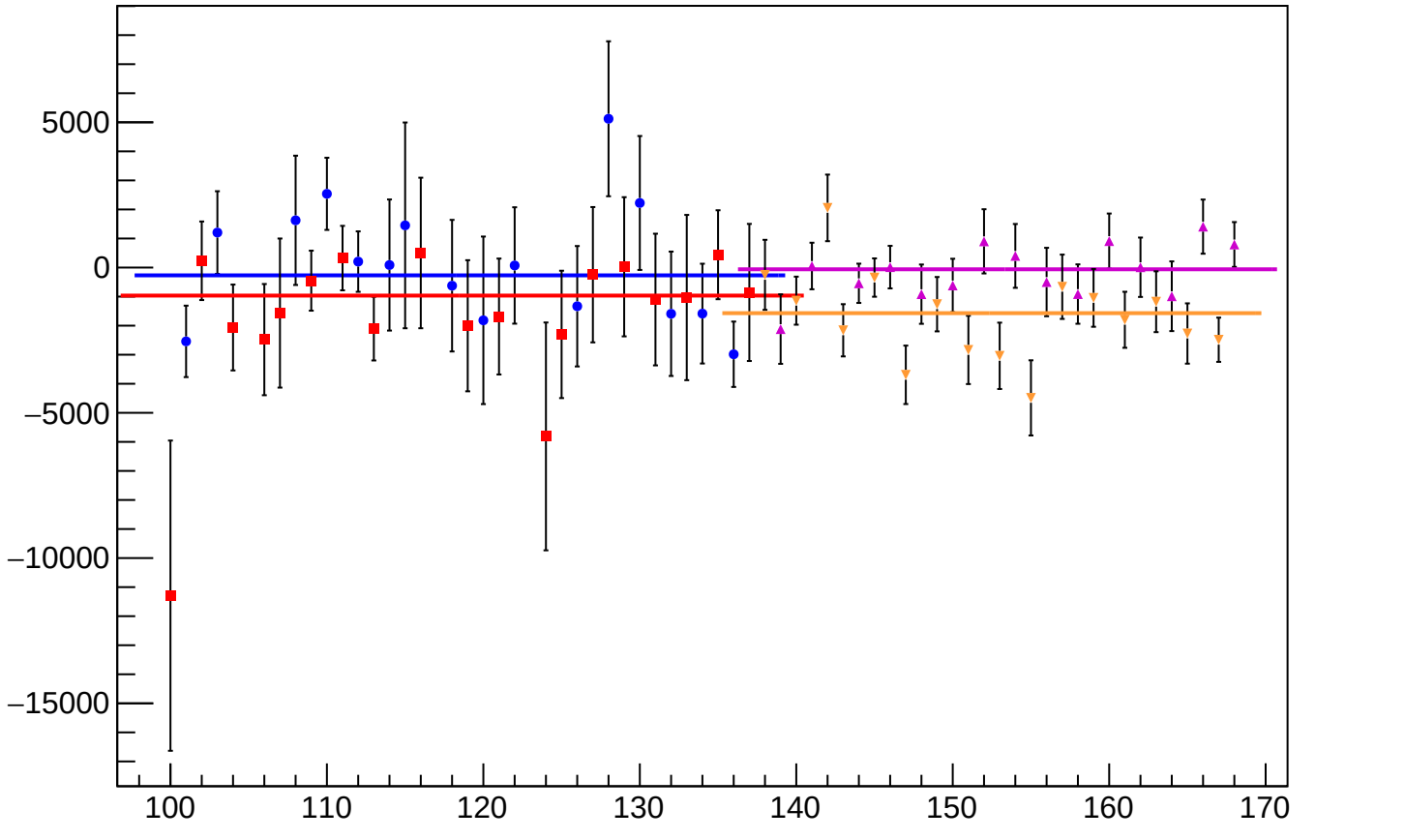
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 90.242+/-0.018 χ^2/NDF:245445.6/14

+ sign 91.127+/-0.015 χ^2/NDF: 805634.5/31

All: 90.602+/-0.010 χ^2/NDF: 1800655.5/65

- sign 90.084+/-0.015 χ^2/NDF: 992484.7/33



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1569.535+/-241.582 χ^2/NDF:30.9/15

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

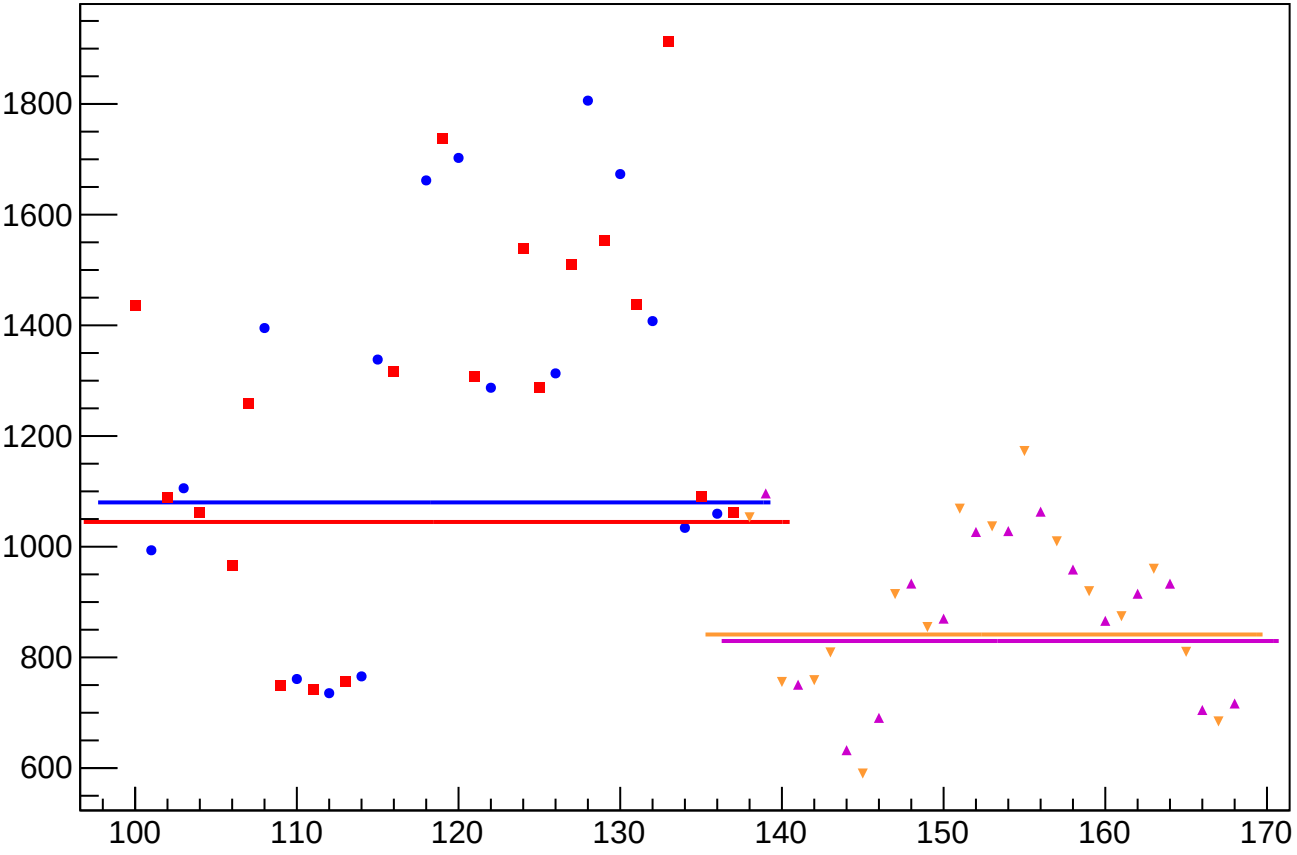
Left In: -59.749+/-239.911 χ^2/NDF:11.7/14

\+ sign -1245.613+/-209.359 χ^2/NDF: 61.5/31

All: -763.961+/-146.824 χ^2/NDF: 99.5/65

\- sign -297.808+/-205.963 χ^2/NDF: 27.6/33

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 841.393+/-0.171 χ^2/NDF:835421.8/15

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

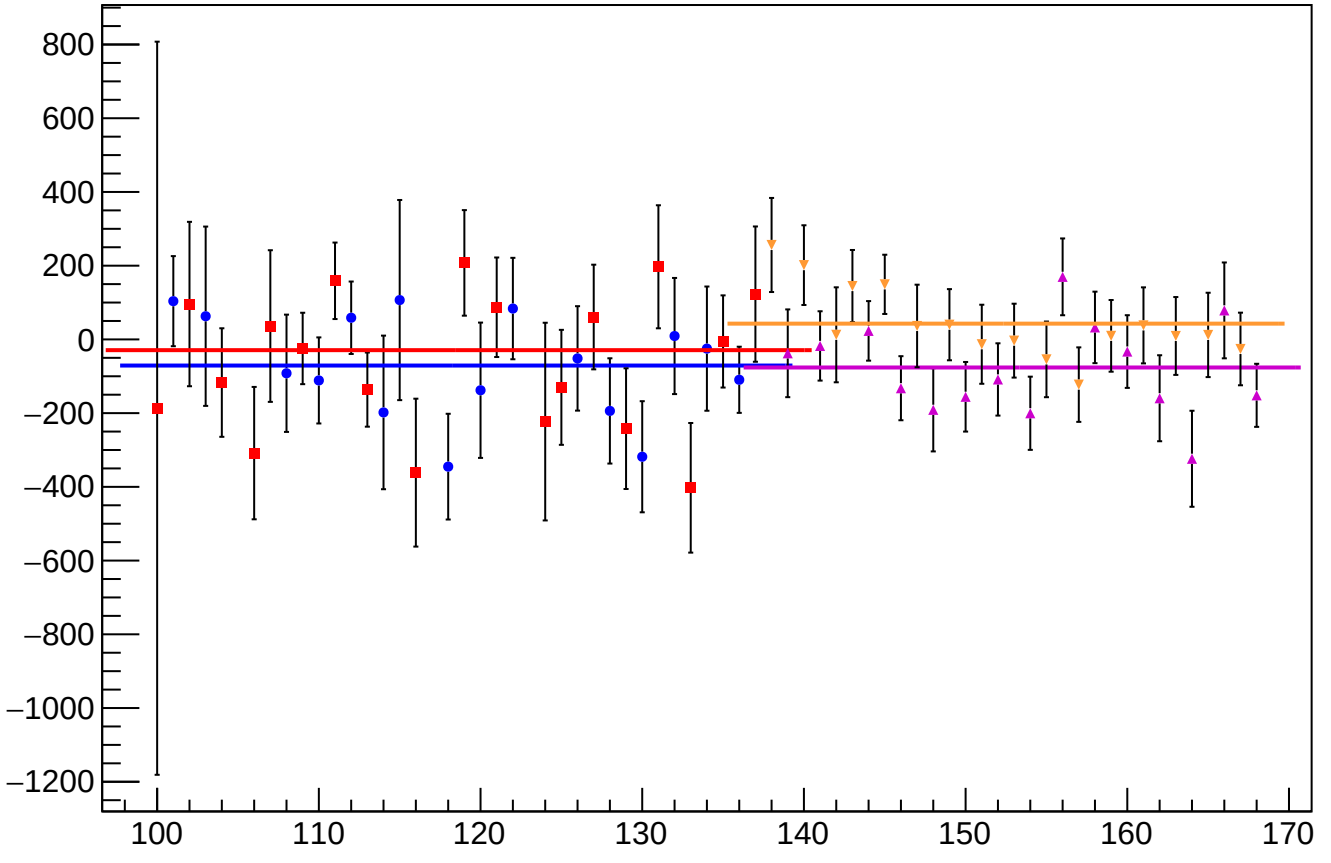
Left In: 829.612+/-0.170 χ^2/NDF:735864.7/14

+ sign 900.813+/-0.148 χ^2/NDF: 2374872.7/31

All: 893.377+/-0.104 χ^2/NDF: 4740342.6/65

- sign 886.180+/-0.146 χ^2/NDF: 2360504.8/33

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 42.765+/-25.804 χ^2/NDF:12.7/15

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

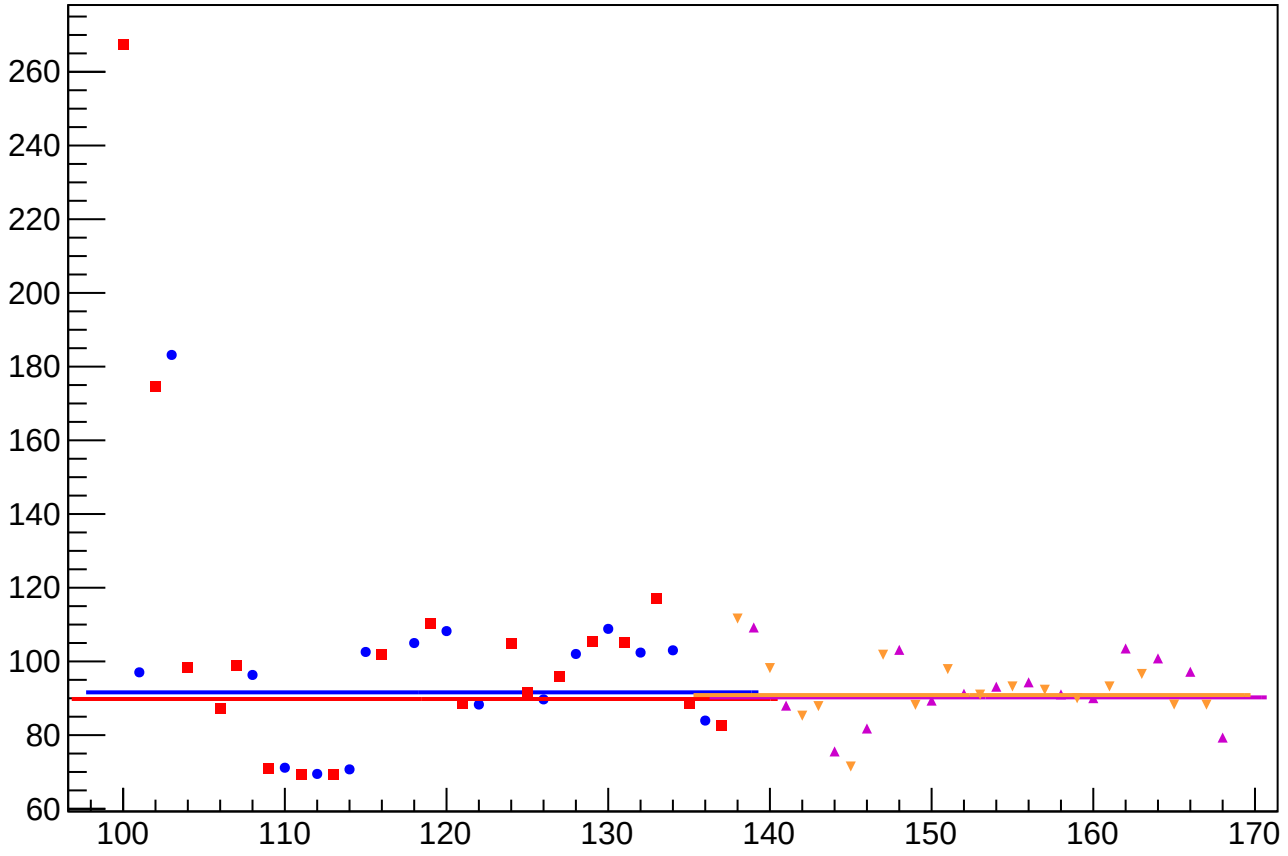
Left In: -76.182+/-25.864 χ^2/NDF:19.2/14

+ sign 2.919+/-20.795 χ^2/NDF: 33.5/31

All: -28.325+/-14.649 χ^2/NDF: 82.4/65

- sign -59.104+/-20.639 χ^2/NDF: 44.3/33

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.868+/-0.018 χ^2/NDF:224382.1/15

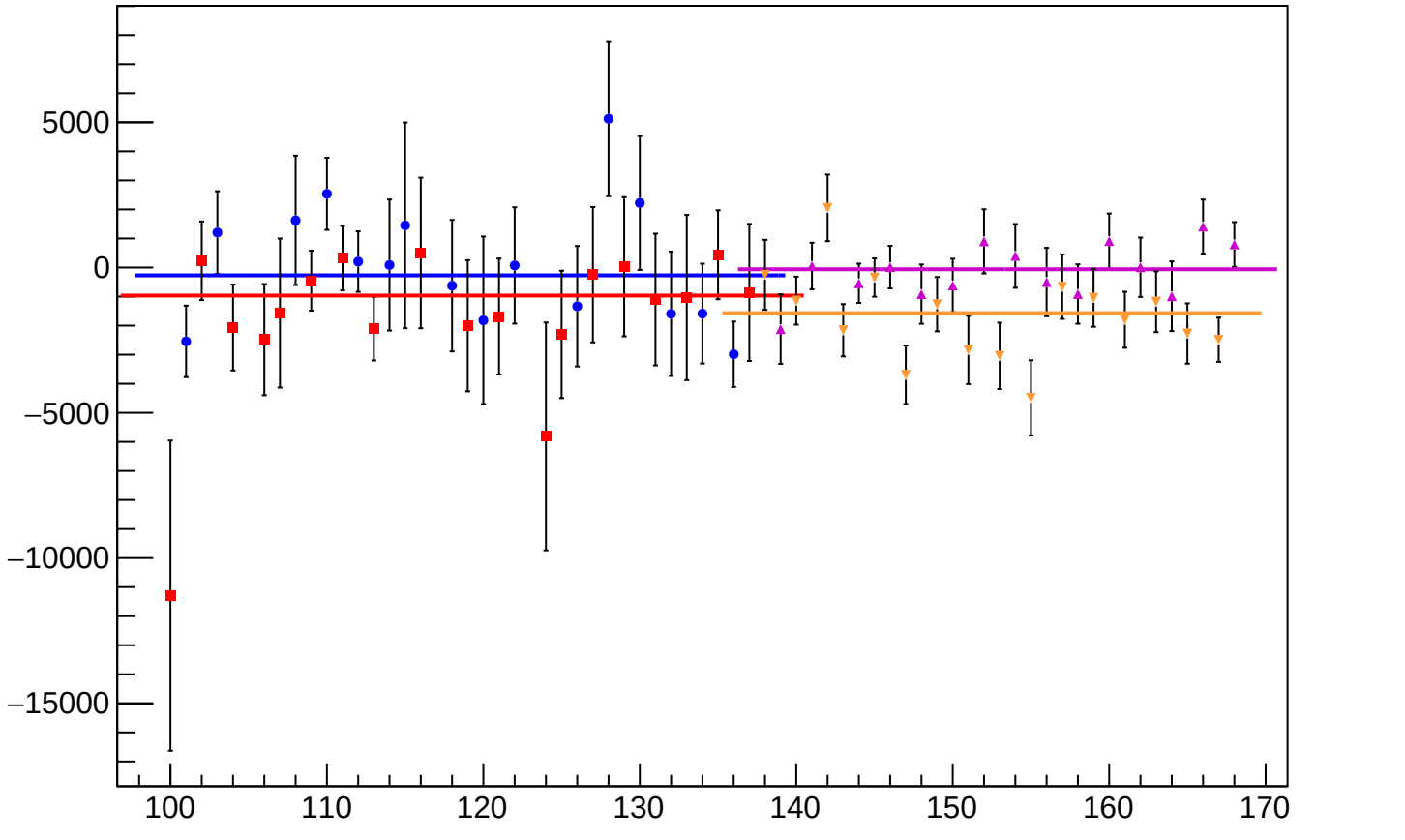
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 90.242+/-0.018 χ^2/NDF:245445.6/14

+ sign 91.127+/-0.015 χ^2/NDF: 805634.5/31

All: 90.602+/-0.010 χ^2/NDF: 1800655.5/65

- sign 90.084+/-0.015 χ^2/NDF: 992484.7/33



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1569.535+/-241.582 χ^2/NDF:30.9/15

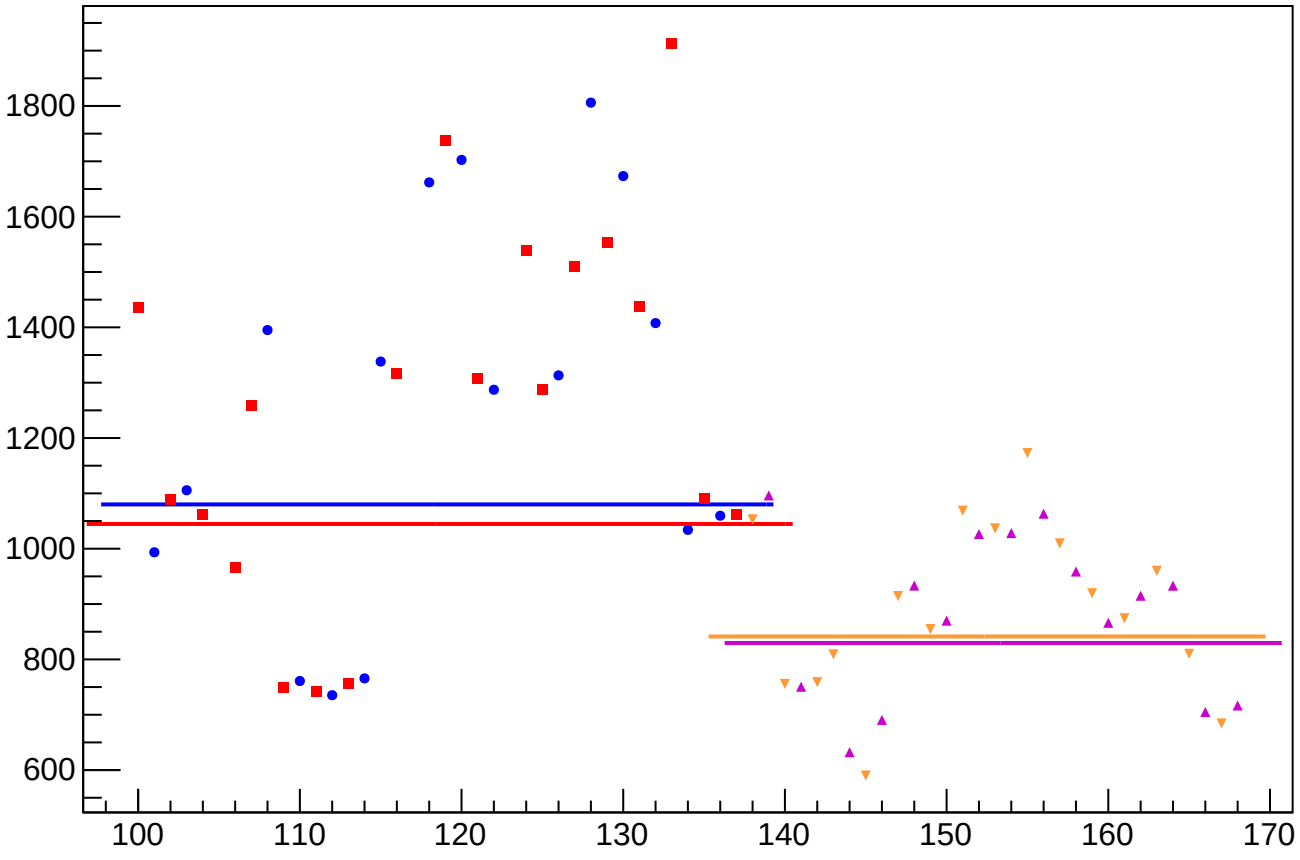
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -59.749+/-239.911 χ^2/NDF:11.7/14

+ sign -1245.613+/-209.359 χ^2/NDF: 61.5/31

All: -763.961+/-146.824 χ^2/NDF: 99.5/65

- sign -297.808+/-205.963 χ^2/NDF: 27.6/33



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 841.393+/-0.171 χ^2/NDF:835421.8/15

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

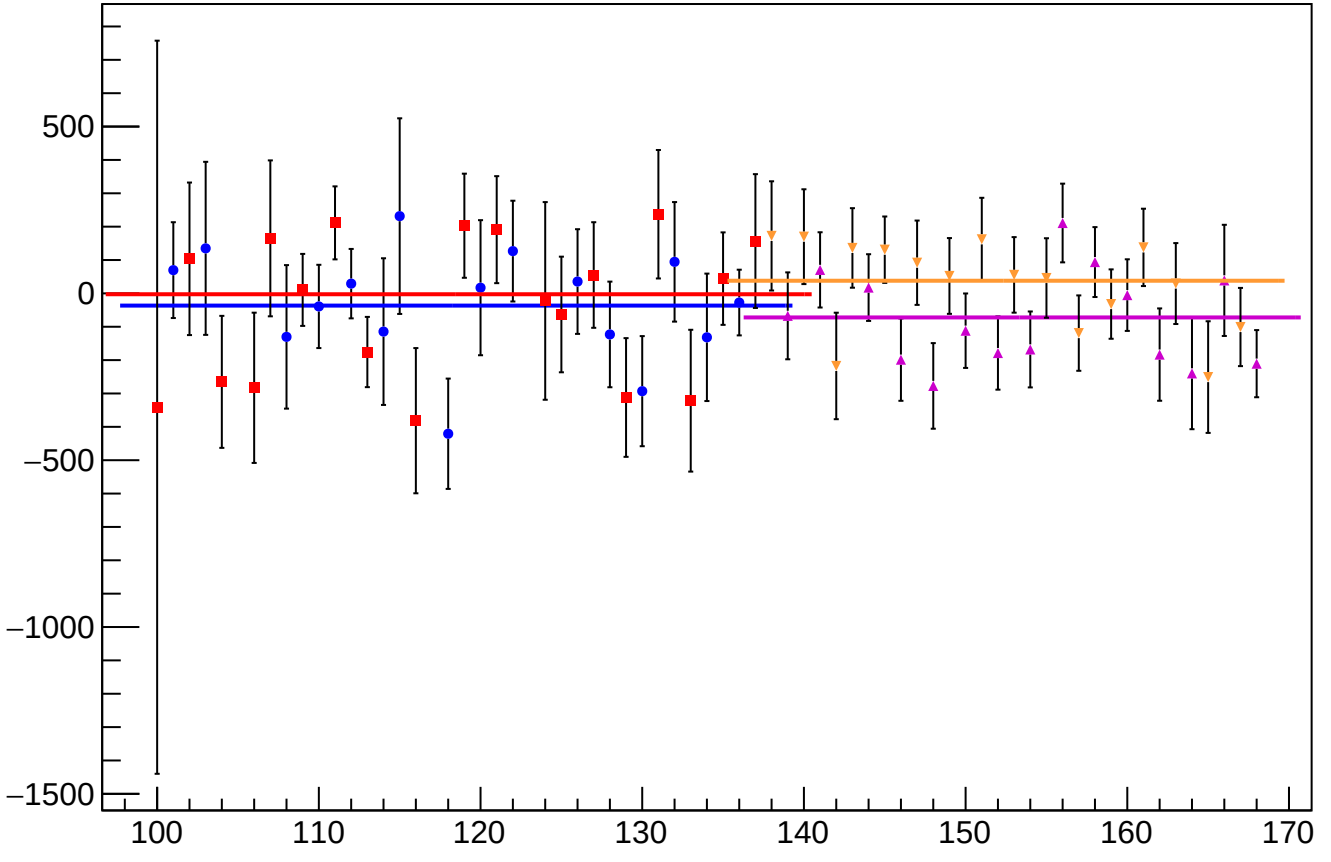
Left In: 829.612+/-0.170 χ^2/NDF:735864.7/14

+ sign 900.813+/-0.148 χ^2/NDF: 2374872.7/31

All: 893.377+/-0.104 χ^2/NDF: 4740342.6/65

- sign 886.180+/-0.146 χ^2/NDF: 2360504.8/33

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 37.912+/-30.536 χ^2/NDF:14.4/15

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

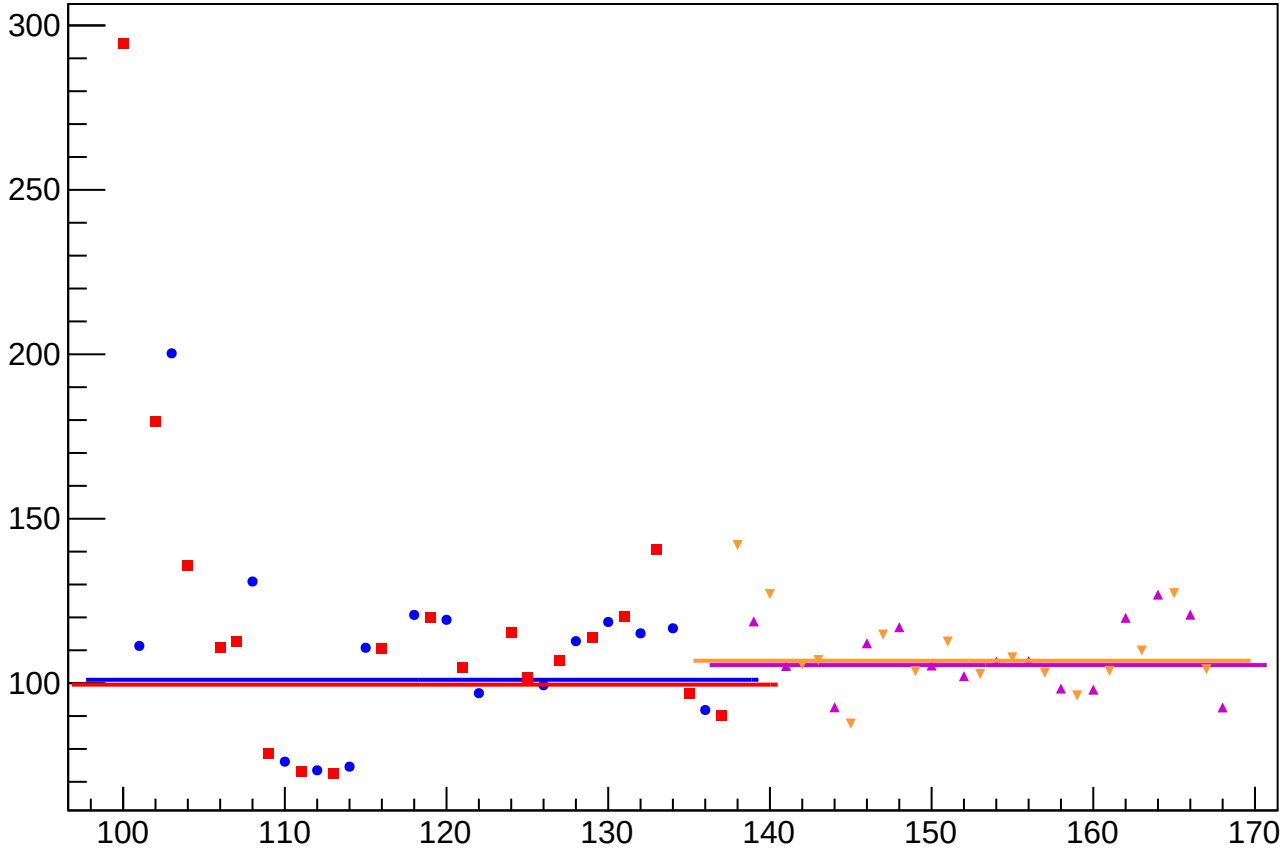
Left In: -72.084+/-30.471 χ^2/NDF:20.4/14

+ sign 9.589+/-24.041 χ^2/NDF: 29.5/31

All: -17.977+/-16.918 χ^2/NDF: 79.4/65

- sign -45.022+/-23.812 χ^2/NDF: 47.2/33

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 106.818+/-0.022 χ^2/NDF:279959.7/15

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

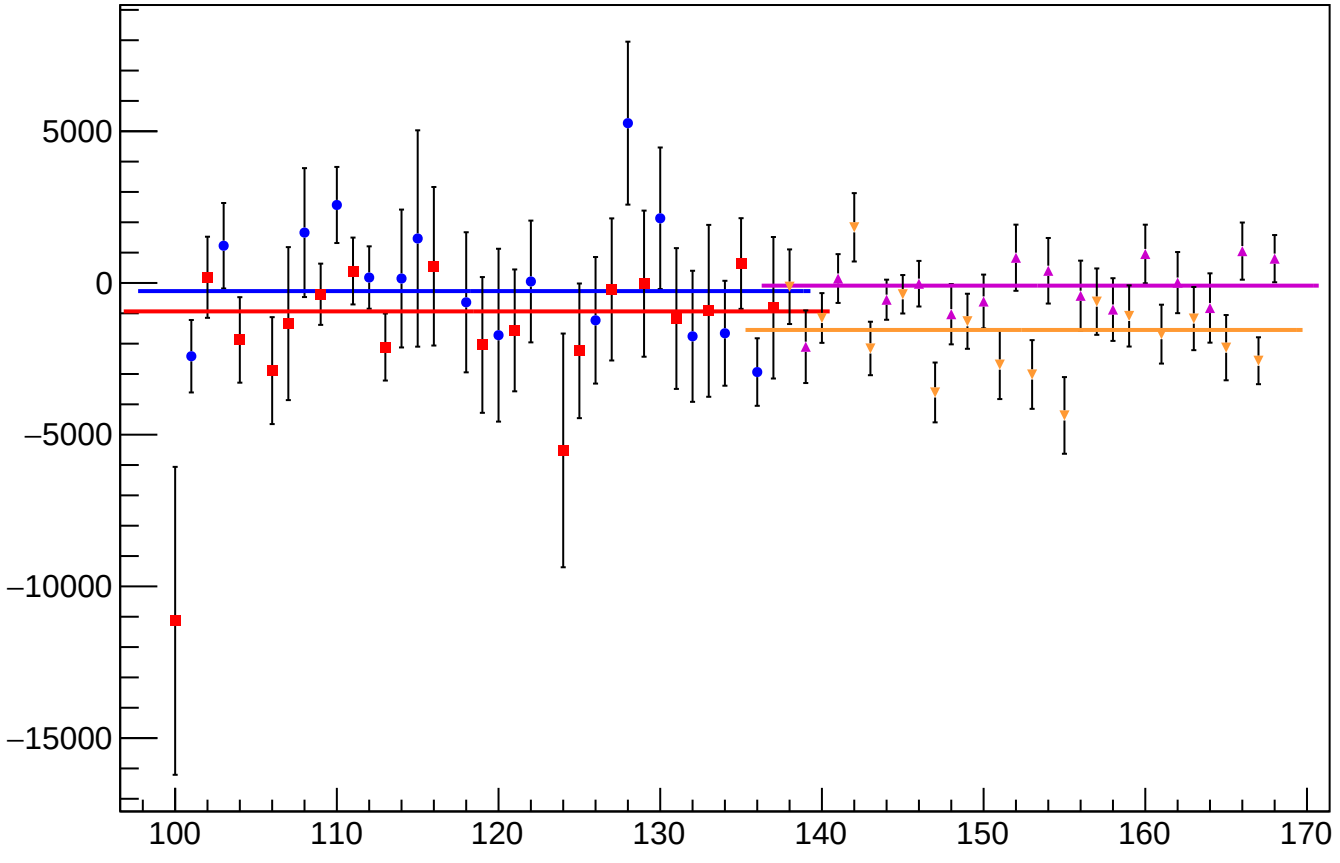
Left In: 105.500+/-0.022 χ^2/NDF:200969.7/14

+ sign 104.618+/-0.017 χ^2/NDF: 1023362.0/31

All: 103.893+/-0.012 χ^2/NDF: 2138143.4/65

- sign 103.182+/-0.017 χ^2/NDF: 1111181.2/33

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1548.456+/-239.178 χ^2/NDF:29.7/15

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

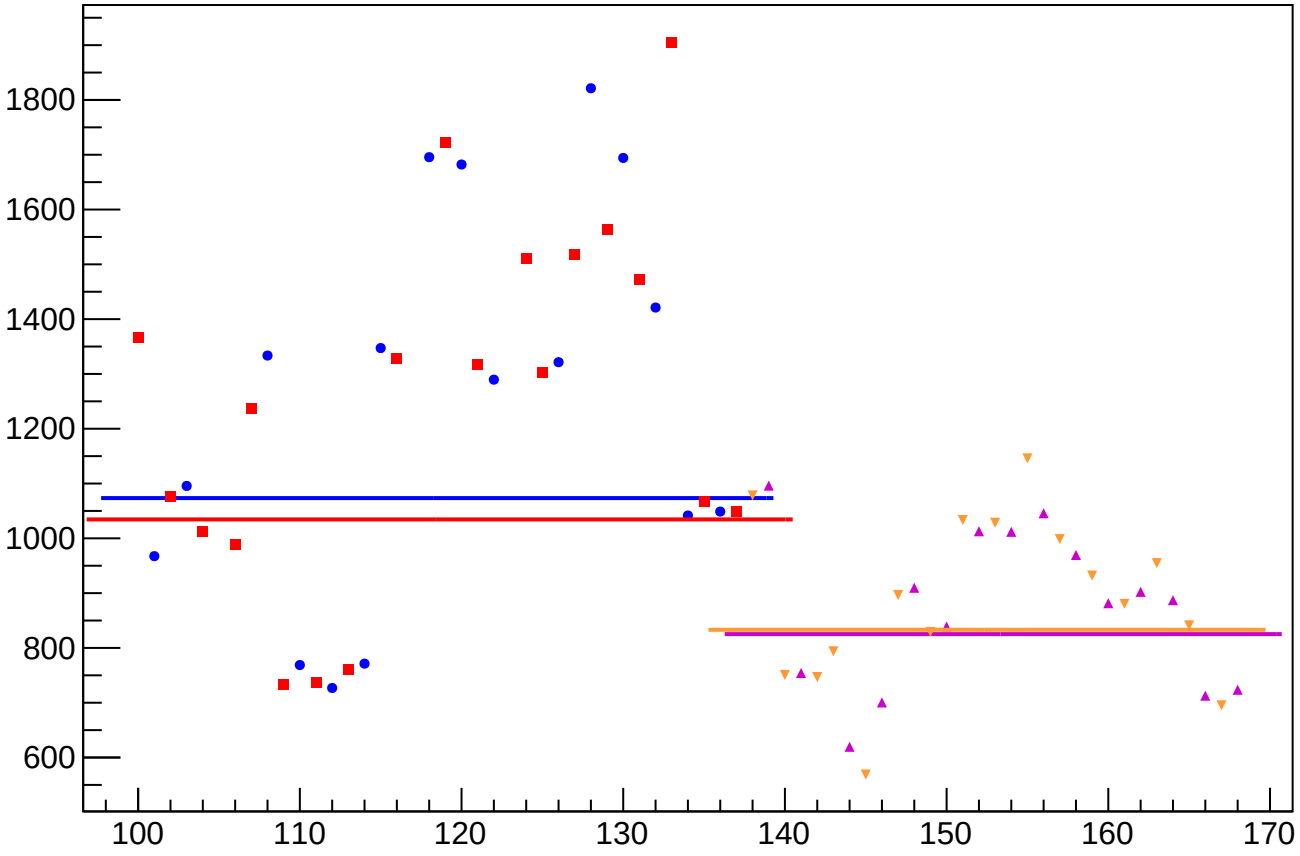
Left In: -88.145+/-238.572 χ^2/NDF:10.6/14

+ sign -1231.529+/-207.481 χ^2/NDF: 60.3/31

All: -765.828+/-145.604 χ^2/NDF: 97.3/65

- sign -313.926+/-204.384 χ^2/NDF: 27.1/33

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 833.152+/-0.169 χ^2/NDF:876242.5/15

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

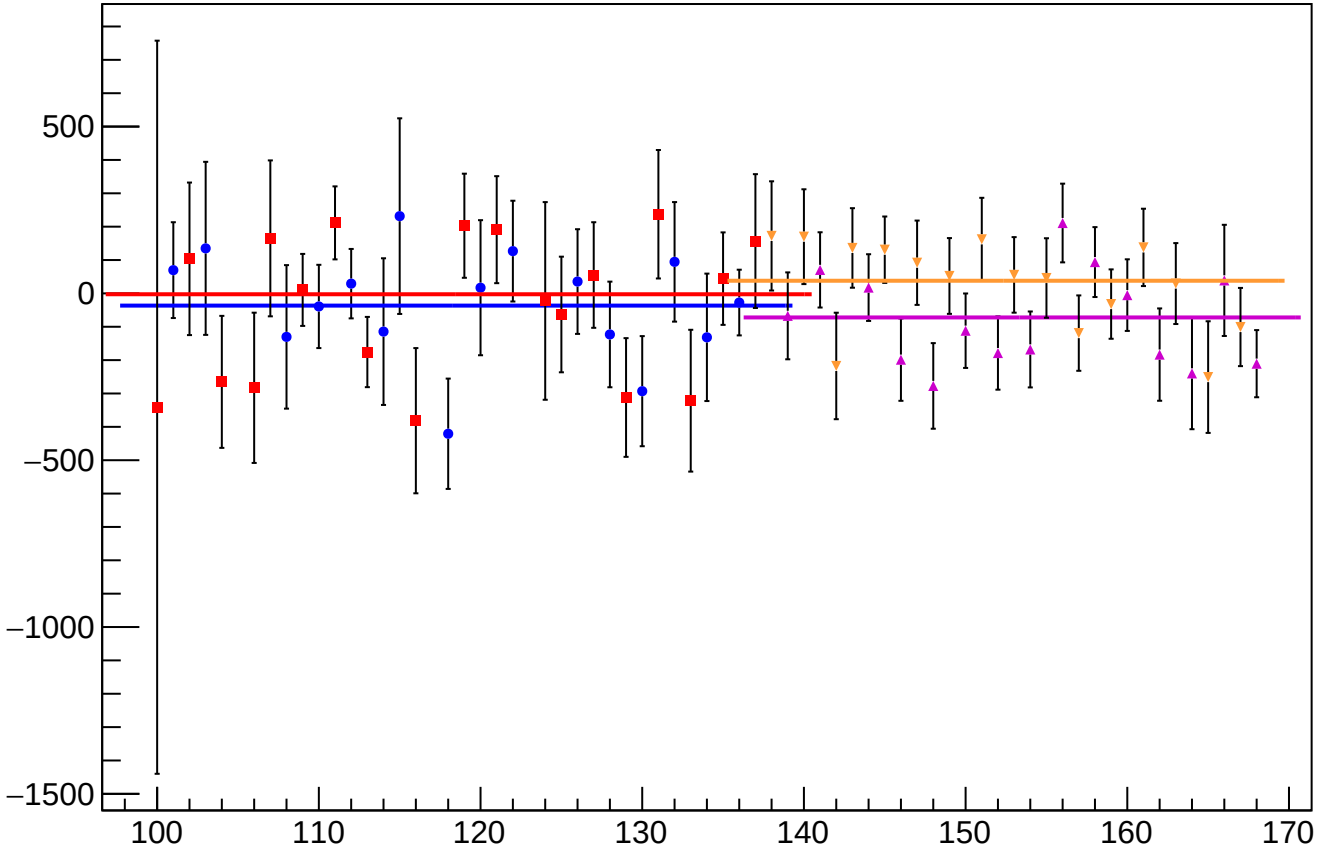
Left In: 825.204+/-0.169 χ^2/NDF:699172.5/14

+ sign 892.625+/-0.147 χ^2/NDF: 2452944.7/31

All: 886.674+/-0.103 χ^2/NDF: 4794387.6/65

- sign 880.900+/-0.145 χ^2/NDF: 2338201.4/33

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 37.915+/-30.536 χ^2/NDF:14.4/15

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

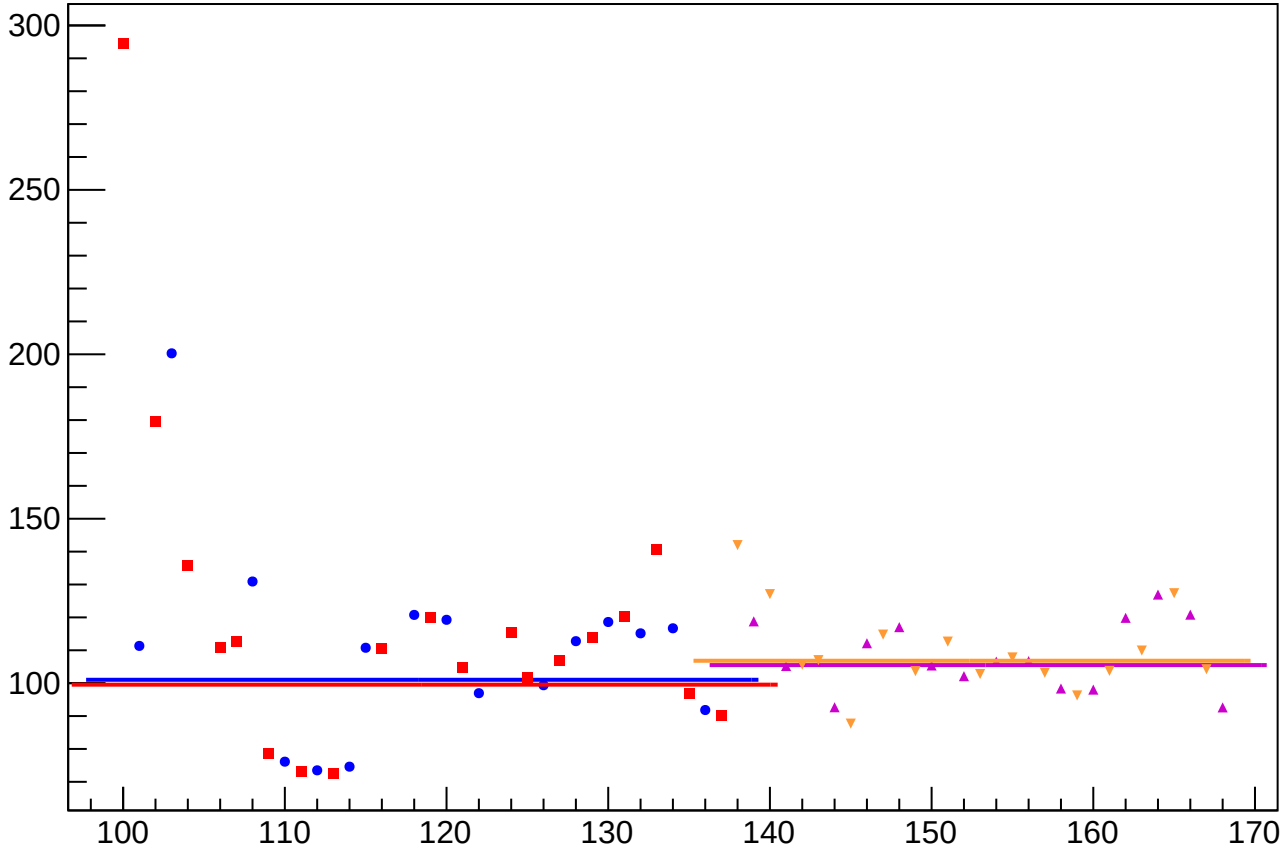
Left In: -72.083+/-30.471 χ^2/NDF:20.4/14

+ sign 9.591+/-24.041 χ^2/NDF: 29.5/31

All: -17.976+/-16.918 χ^2/NDF: 79.4/65

- sign -45.021+/-23.812 χ^2/NDF: 47.2/33

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 106.818+/-0.022 χ^2/NDF:279954.6/15

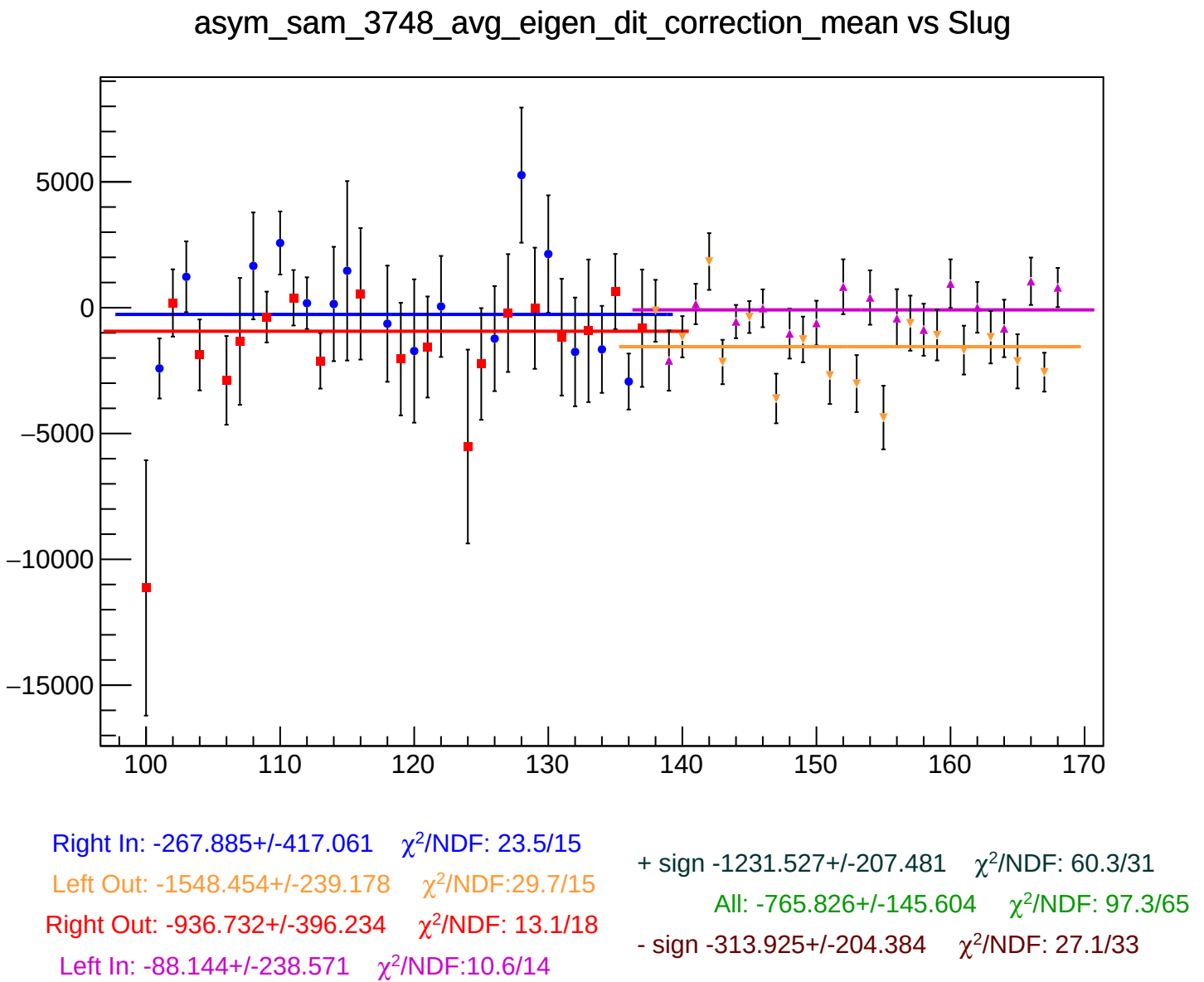
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 105.500+/-0.022 χ^2/NDF:200969.9/14

+ sign 104.618+/-0.017 χ^2/NDF: 1023357.9/31

All: 103.894+/-0.012 χ^2/NDF: 2138143.6/65

- sign 103.183+/-0.017 χ^2/NDF: 1111185.3/33



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1548.454+/-239.178 χ^2/NDF:29.7/15

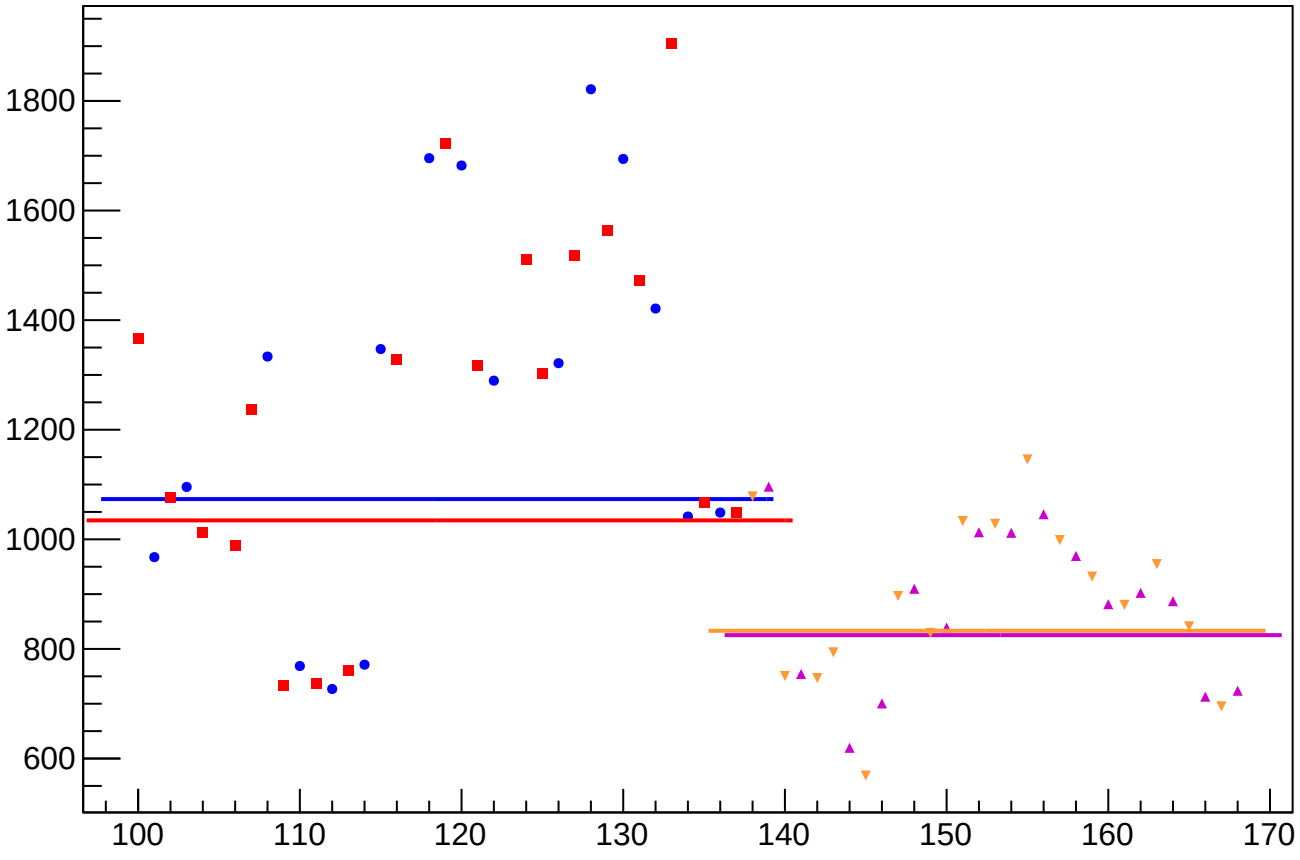
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -88.144+/-238.571 χ^2/NDF:10.6/14

+ sign -1231.527+/-207.481 χ^2/NDF: 60.3/31

All: -765.826+/-145.604 χ^2/NDF: 97.3/65

- sign -313.925+/-204.384 χ^2/NDF: 27.1/33



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 833.151+/-0.169 χ^2/NDF:876246.9/15

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

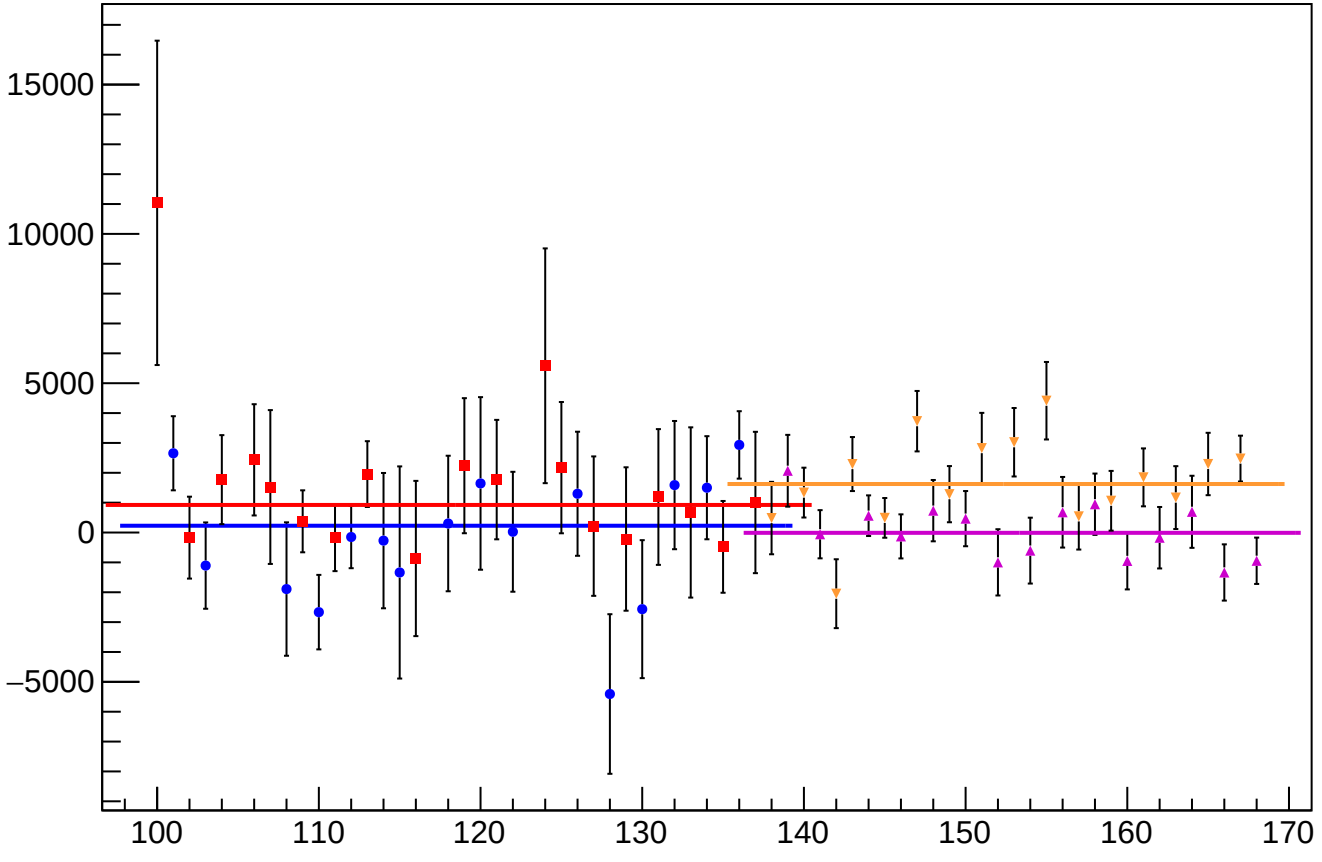
Left In: 825.203+/-0.169 χ^2/NDF:699173.3/14

+ sign 892.623+/-0.147 χ^2/NDF: 2452954.2/31

All: 886.673+/-0.103 χ^2/NDF: 4794400.1/65

- sign 880.898+/-0.145 χ^2/NDF: 2338204.5/33

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1624.667+/-243.097 χ^2/NDF:29.3/15

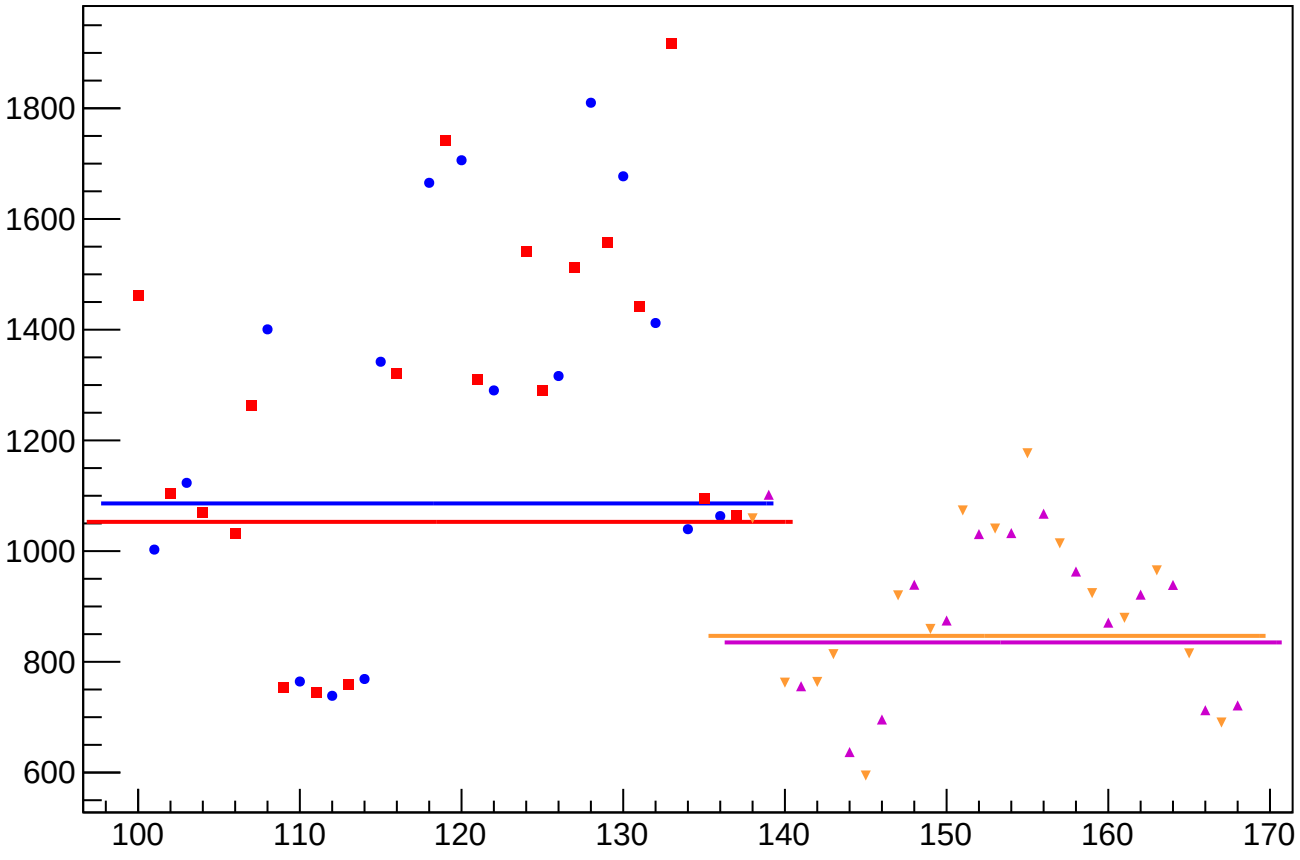
Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -9.948+/-241.428 χ^2/NDF:11.6/14

+ sign 1276.347+/-210.625 χ^2/NDF: 62.0/31

All: 747.717+/-147.680 χ^2/NDF: 101.1/65

- sign 236.530+/-207.121 χ^2/NDF: 26.7/33



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 846.885+/-0.172 χ^2/NDF:823515.8/15

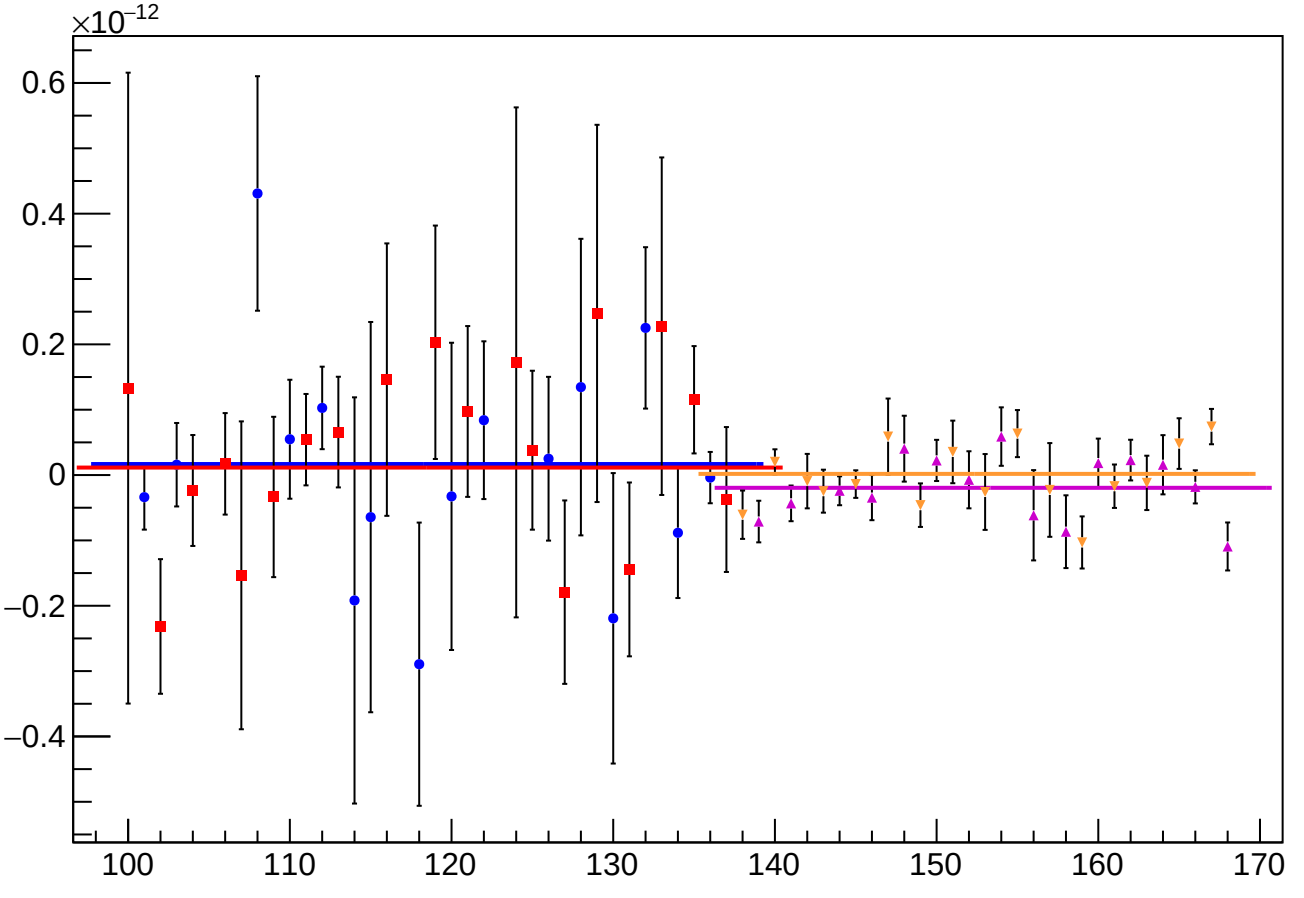
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 835.045+/-0.171 χ^2/NDF:725983.0/14

+ sign 906.532+/-0.149 χ^2/NDF: 2353959.4/31

All: 899.420+/-0.104 χ^2/NDF: 4708516.8/65

- sign 892.542+/-0.146 χ^2/NDF: 2350071.8/33



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/15

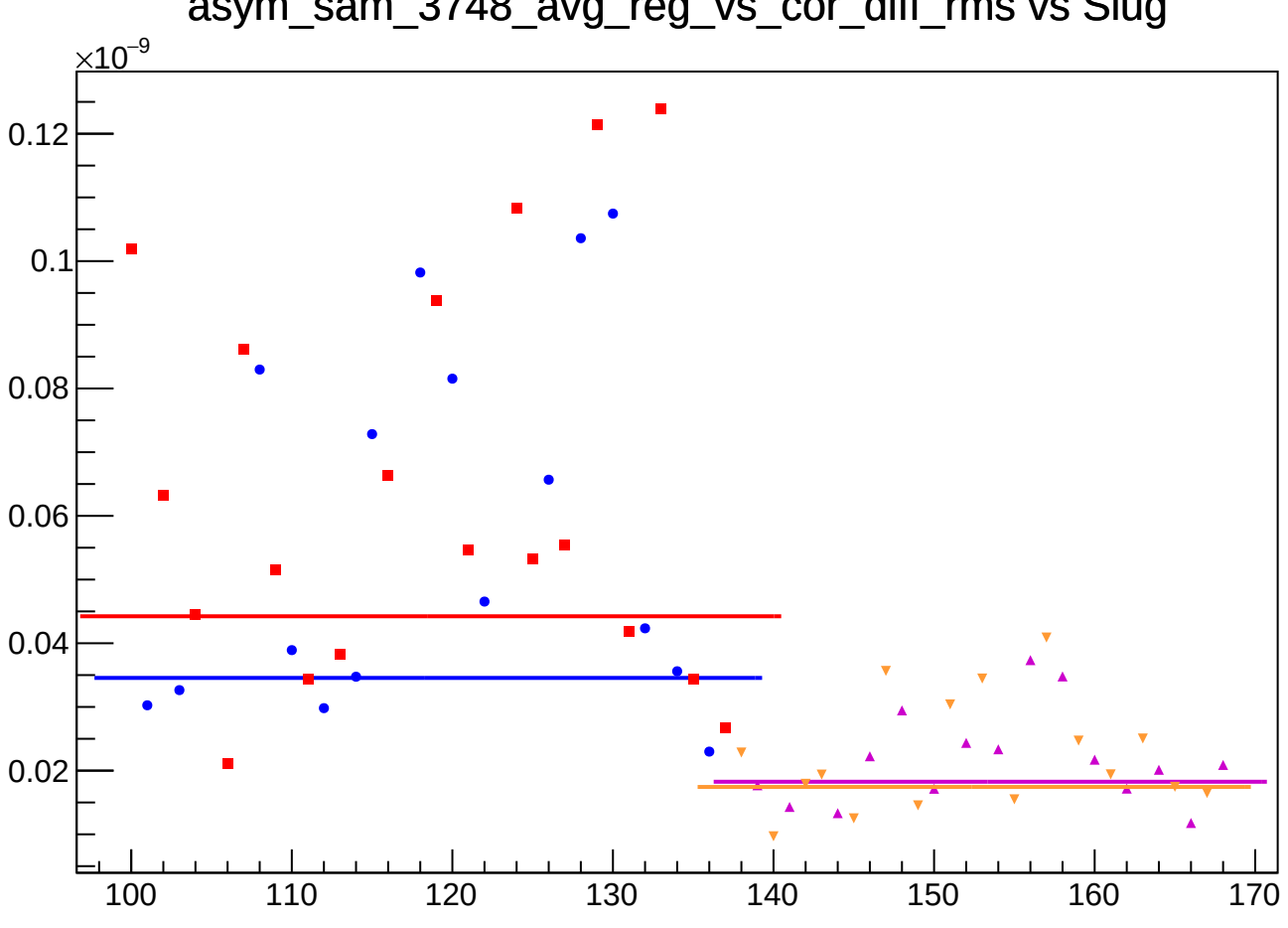
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:21.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 45.1/31

All: -0.000+/-0.000 χ^2/NDF: 86.5/65

- sign -0.000+/-0.000 χ^2/NDF: 38.3/33



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1376988.0/15

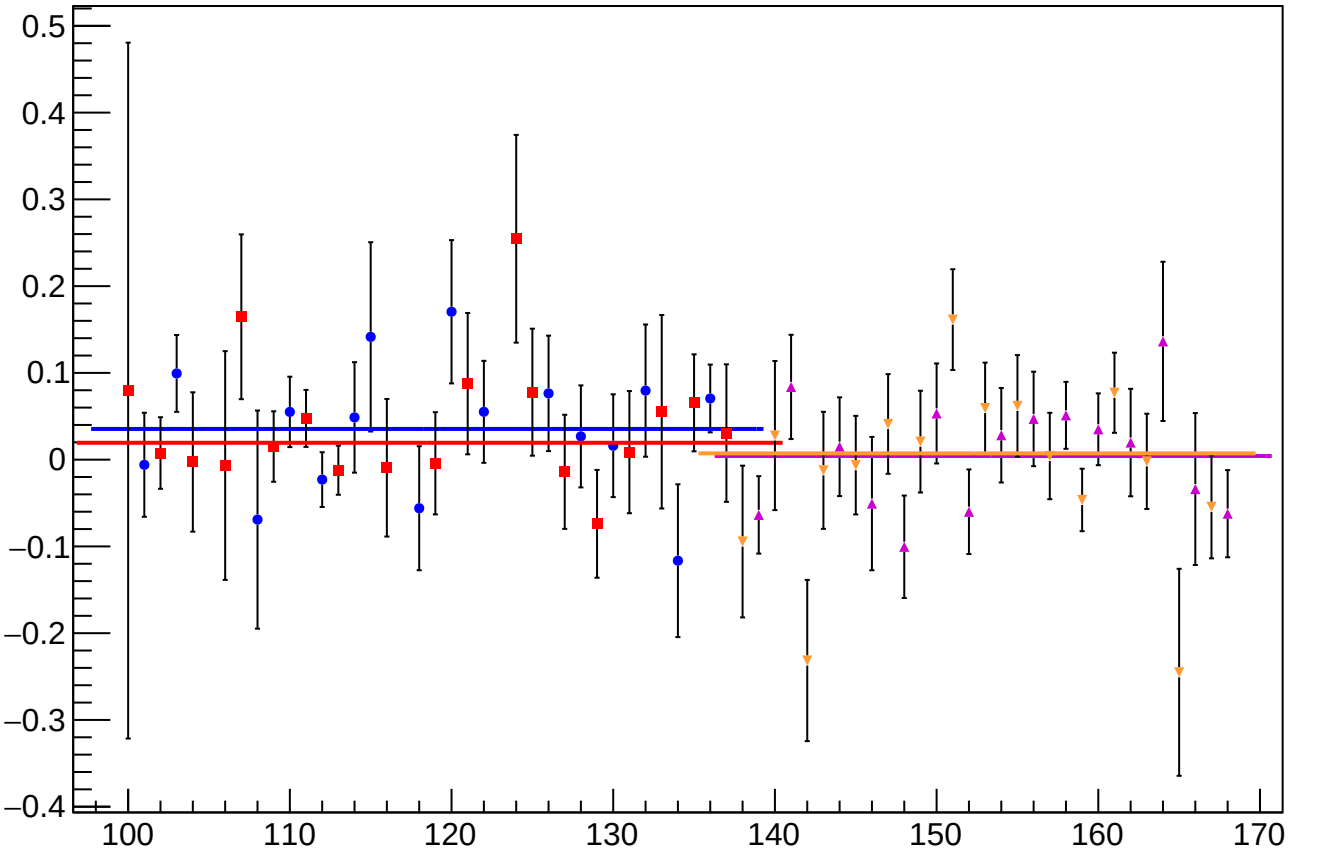
Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:828127.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 3638883.8/31

All: 0.000+/-0.000 χ^2/NDF: 7243764.1/65

- sign 0.000+/-0.000 χ^2/NDF: 3584227.6/33



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.007+/-0.014 χ^2/NDF:27.6/15

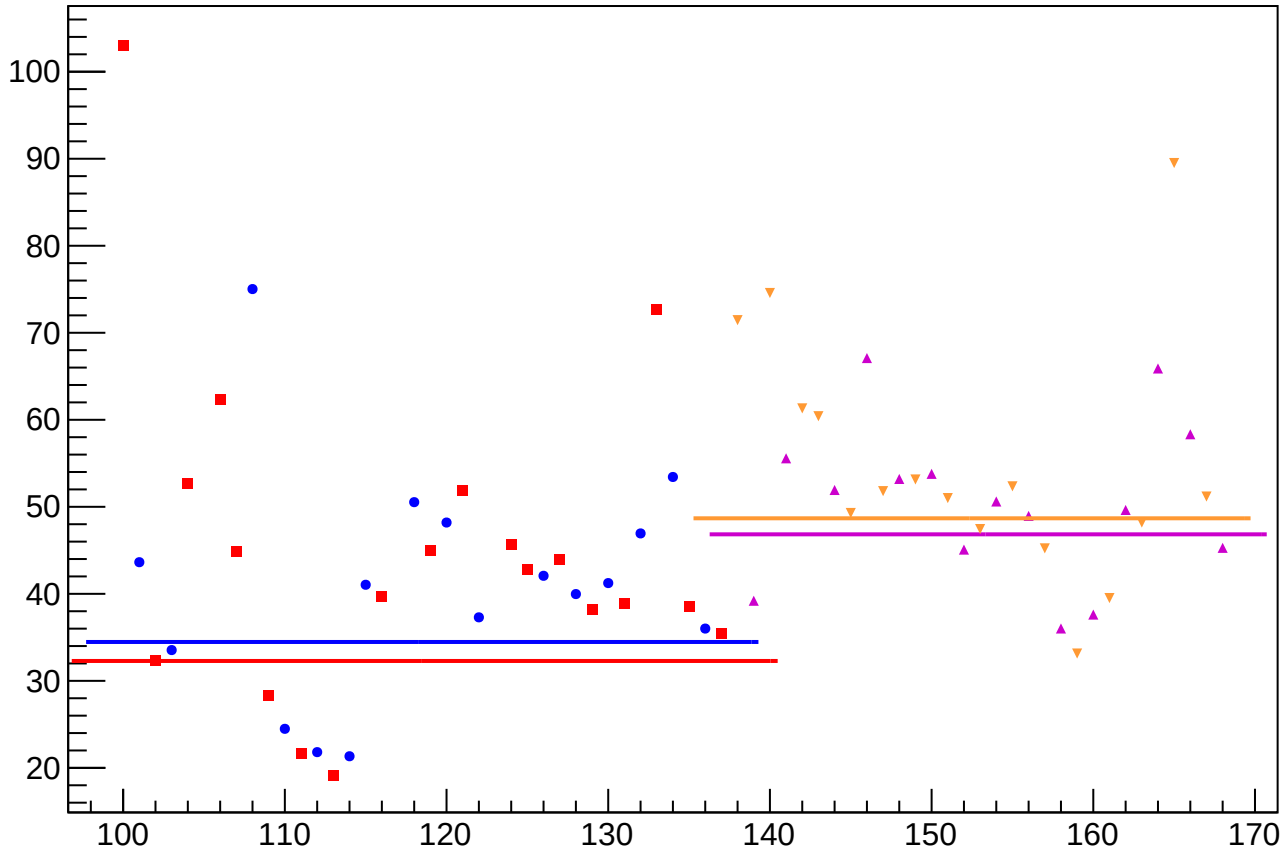
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.004+/-0.014 χ^2/NDF:17.1/14

+ sign 0.022+/-0.010 χ^2/NDF: 46.5/31

All: 0.017+/-0.007 χ^2/NDF: 78.1/65

- sign 0.012+/-0.010 χ^2/NDF: 31.1/33



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.679+/-0.010 χ^2/NDF:1143734.6/15

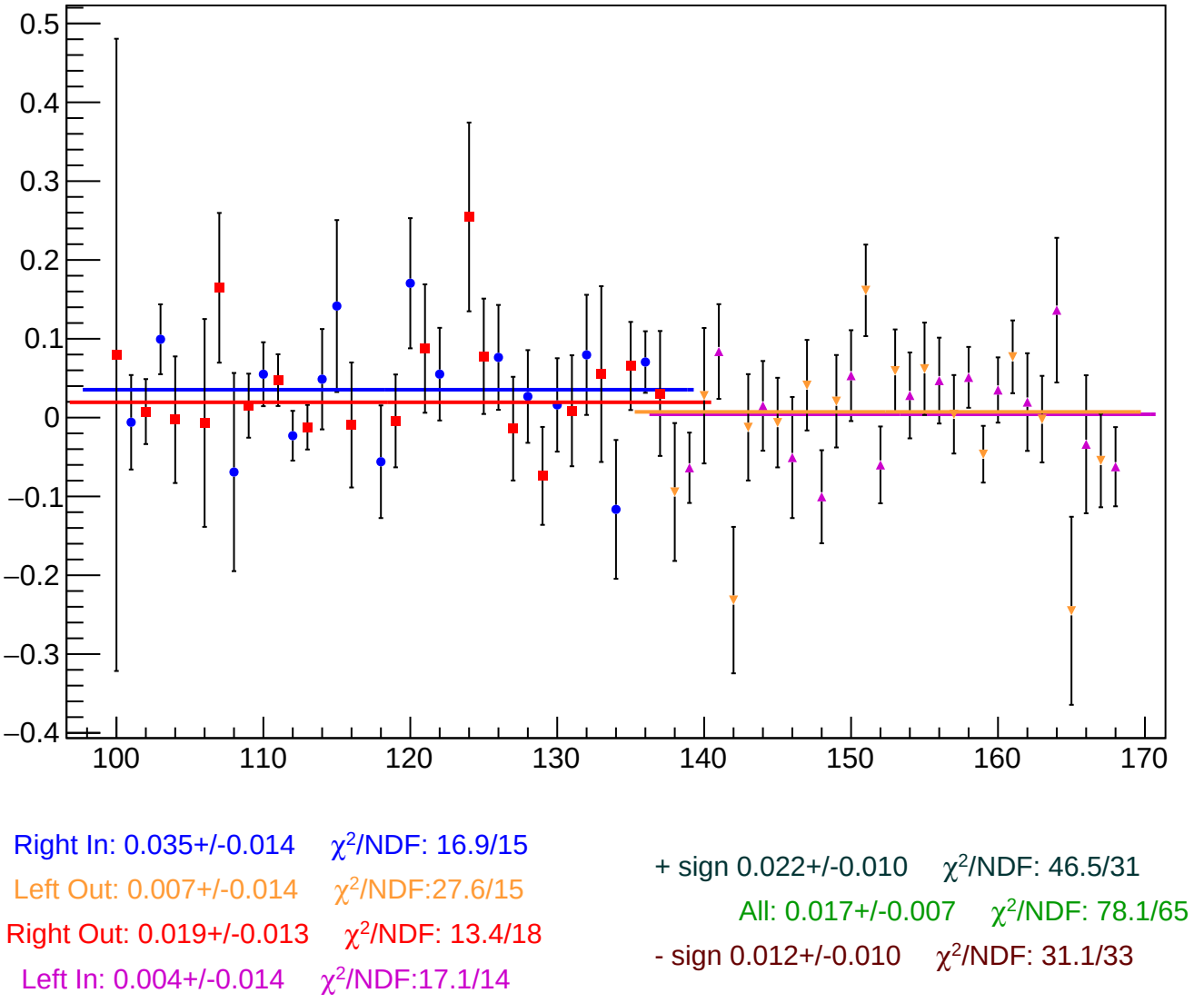
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

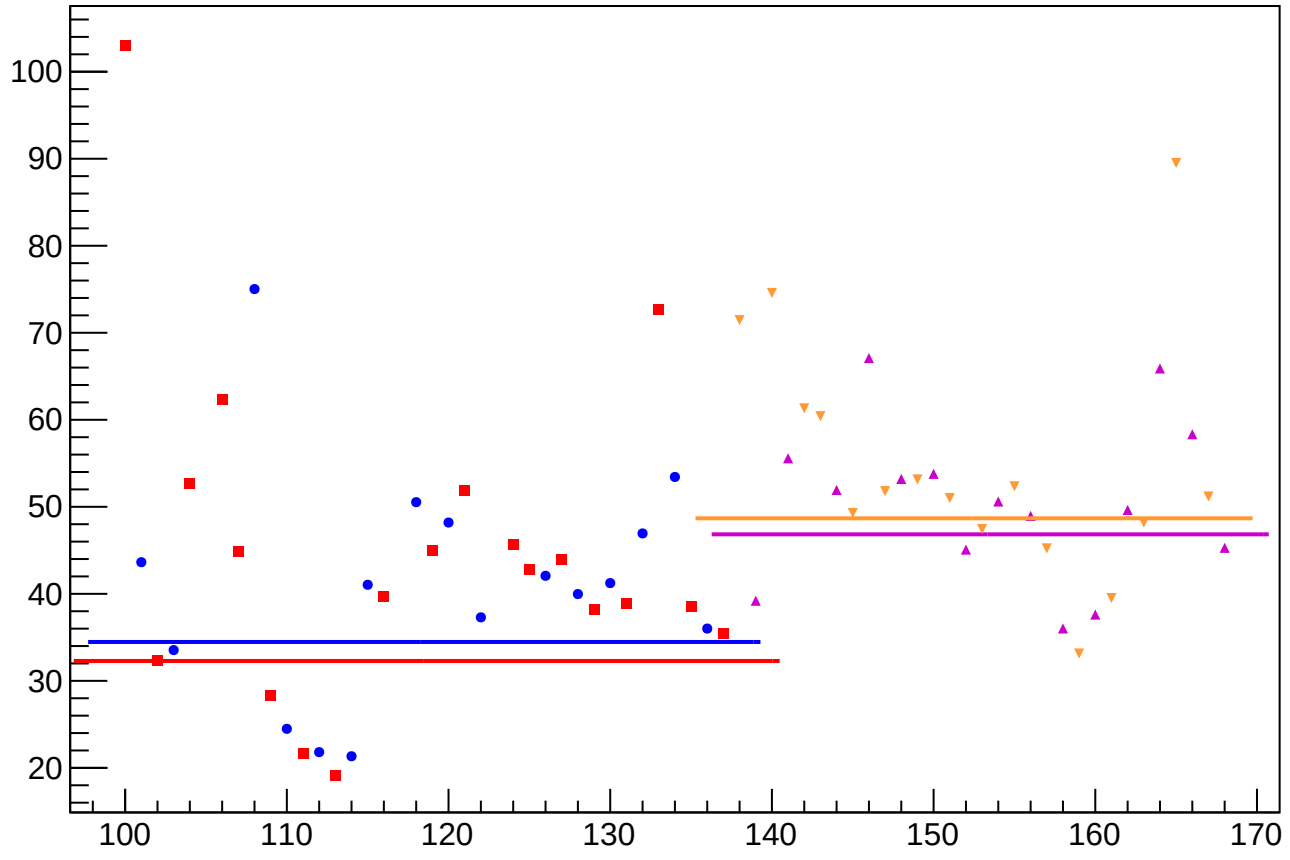
Left In: 46.838+/-0.010 χ^2/NDF:706642.5/14

+ sign 41.293+/-0.007 χ^2/NDF: 3320180.1/31

All: 40.142+/-0.005 χ^2/NDF: 6900225.7/65

- sign 39.091+/-0.007 χ^2/NDF: 3529530.4/33


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.007+/-0.014 χ²/NDF:27.6/15
Right Out: 0.019+/-0.013 χ²/NDF: 13.4/18
Left In: 0.004+/-0.014 χ²/NDF:17.1/14
+ sign 0.022+/-0.010 χ²/NDF: 46.5/31
All: 0.017+/-0.007 χ²/NDF: 78.1/65
- sign 0.012+/-0.010 χ²/NDF: 31.1/33



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.679+/-0.010 χ^2/NDF:1143734.6/15

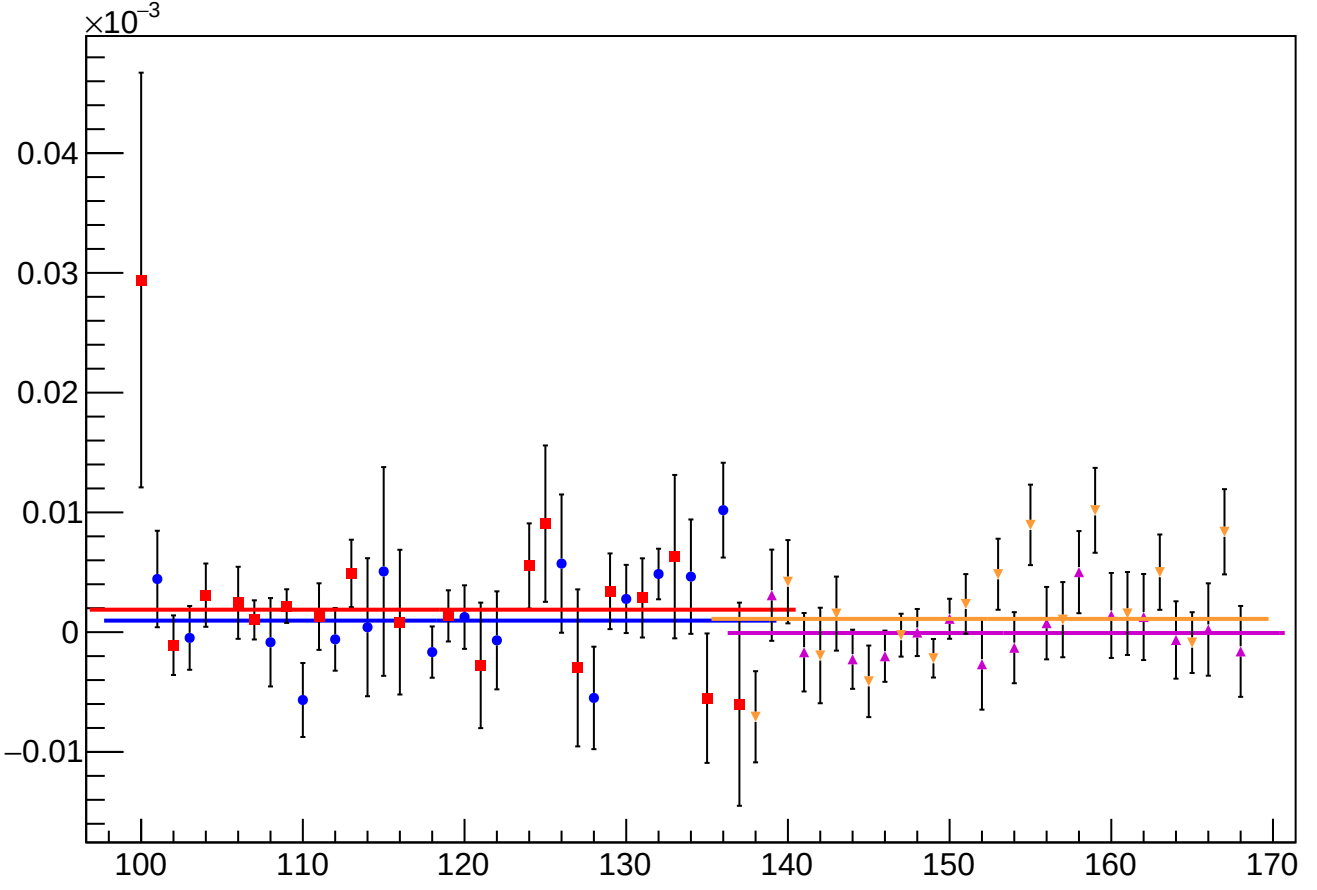
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.838+/-0.010 χ^2/NDF:706642.5/14

+ sign 41.293+/-0.007 χ^2/NDF: 3320180.1/31

All: 40.142+/-0.005 χ^2/NDF: 6900225.7/65

- sign 39.091+/-0.007 χ^2/NDF: 3529530.4/33



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/15

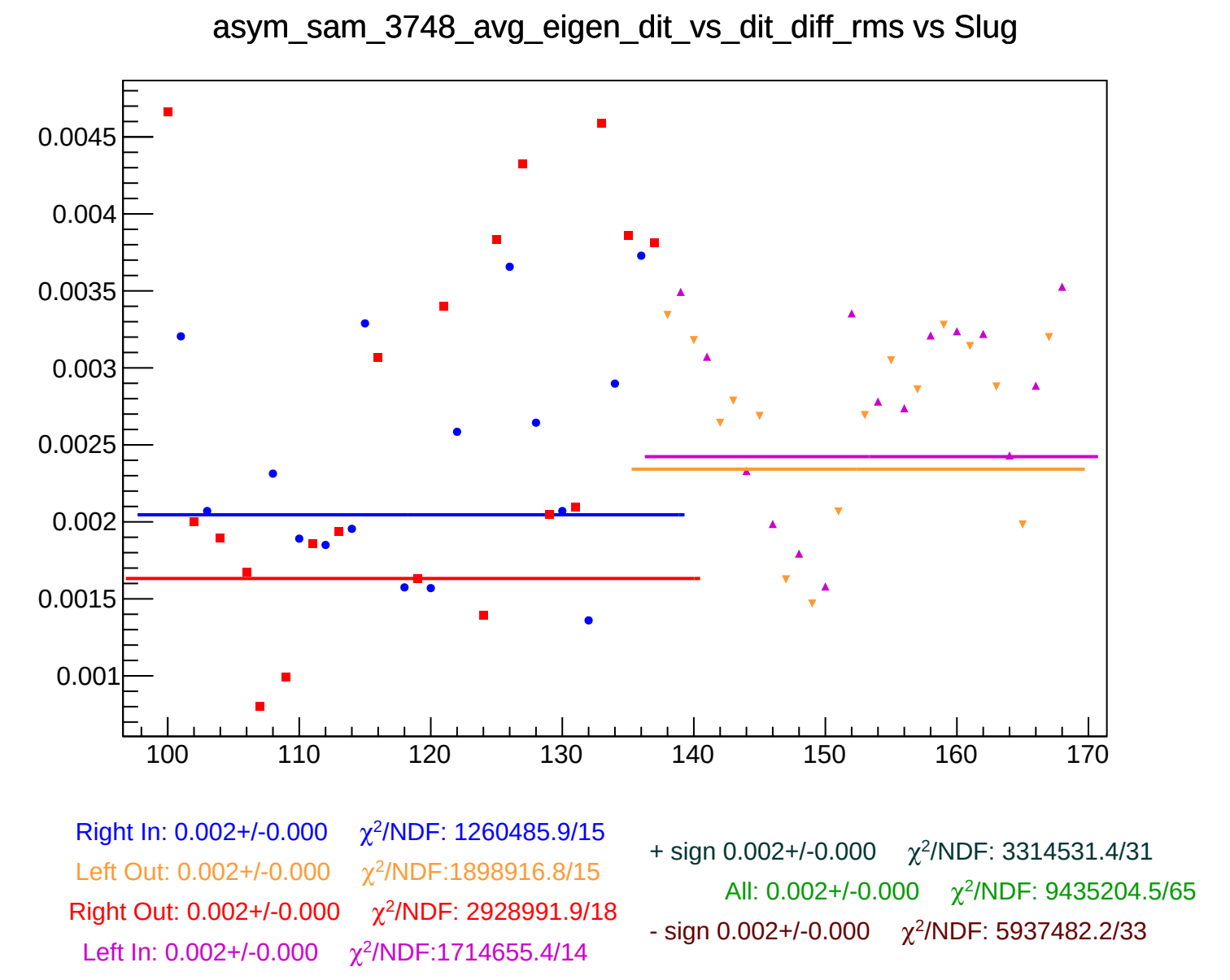
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

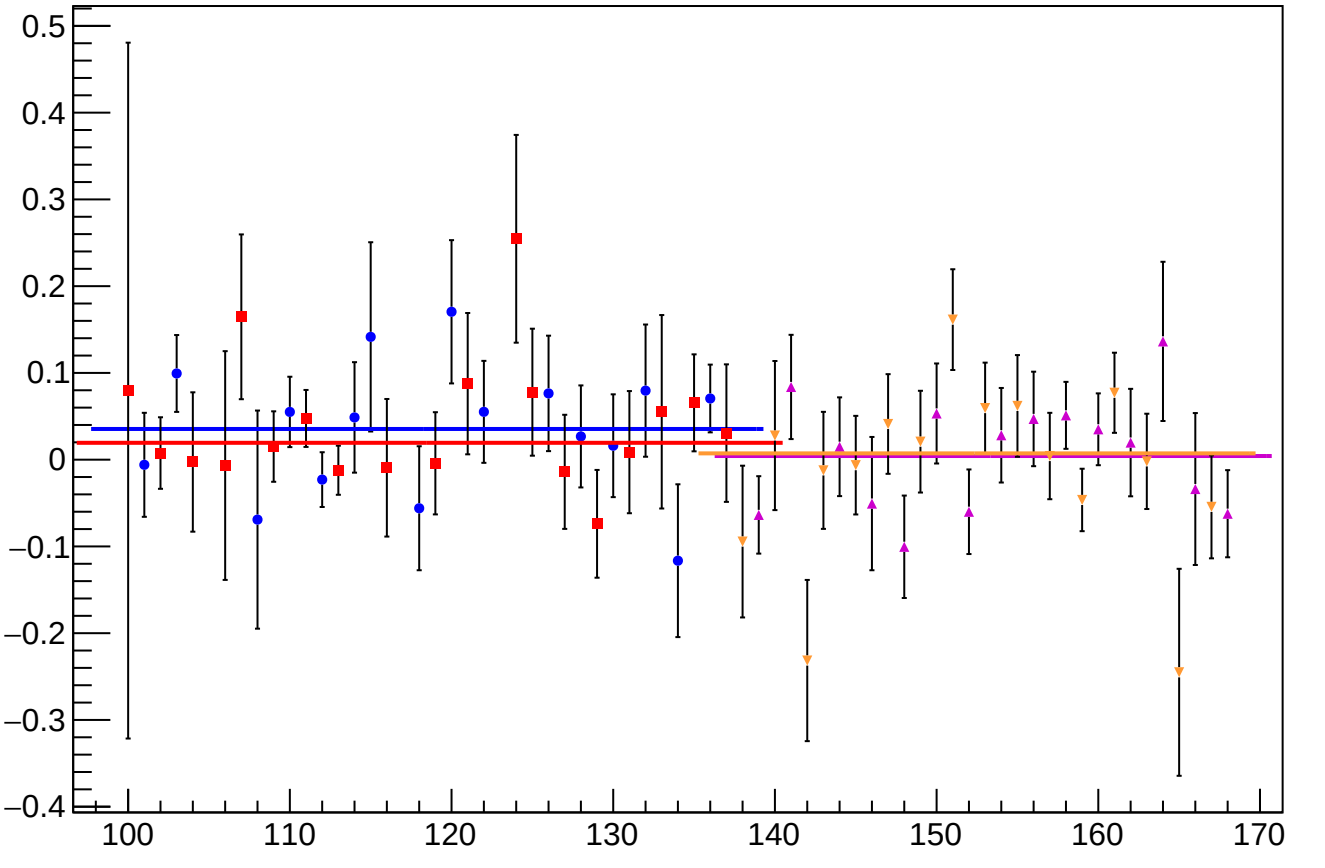
Left In: -0.000+/-0.000 χ^2/NDF:6.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 54.9/31

All: 0.000+/-0.000 χ^2/NDF: 78.2/65

- sign 0.000+/-0.000 χ^2/NDF: 23.3/33


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:1898916.8/15
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:1714655.4/14
+ sign 0.002+/-0.000 χ²/NDF: 3314531.4/31
All: 0.002+/-0.000 χ²/NDF: 9435204.5/65
- sign 0.002+/-0.000 χ²/NDF: 5937482.2/33



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.007+/-0.014 χ^2/NDF:27.6/15

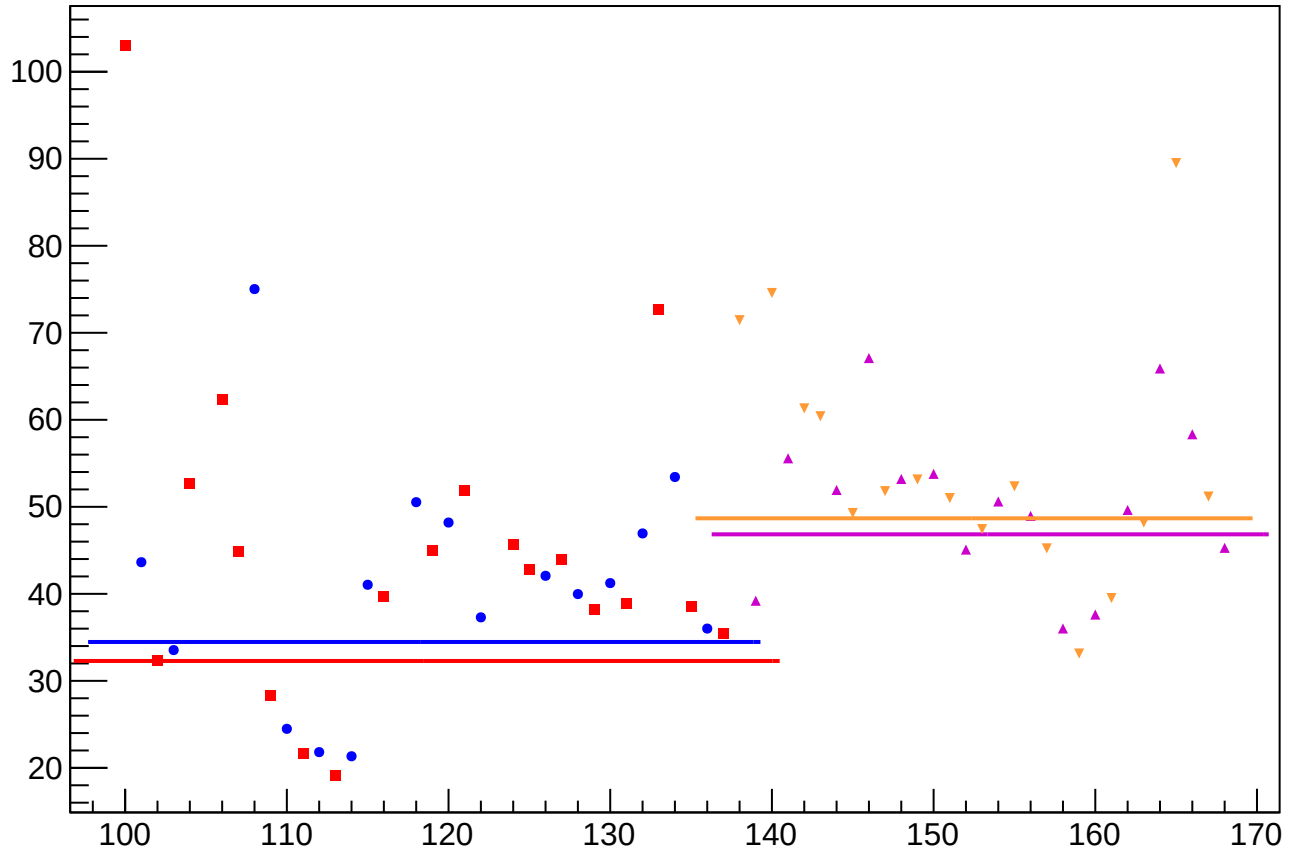
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.004+/-0.014 χ^2/NDF:17.1/14

+ sign 0.022+/-0.010 χ^2/NDF: 46.5/31

All: 0.017+/-0.007 χ^2/NDF: 78.1/65

- sign 0.012+/-0.010 χ^2/NDF: 31.1/33



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 48.680+/-0.010 χ^2/NDF:1143742.3/15

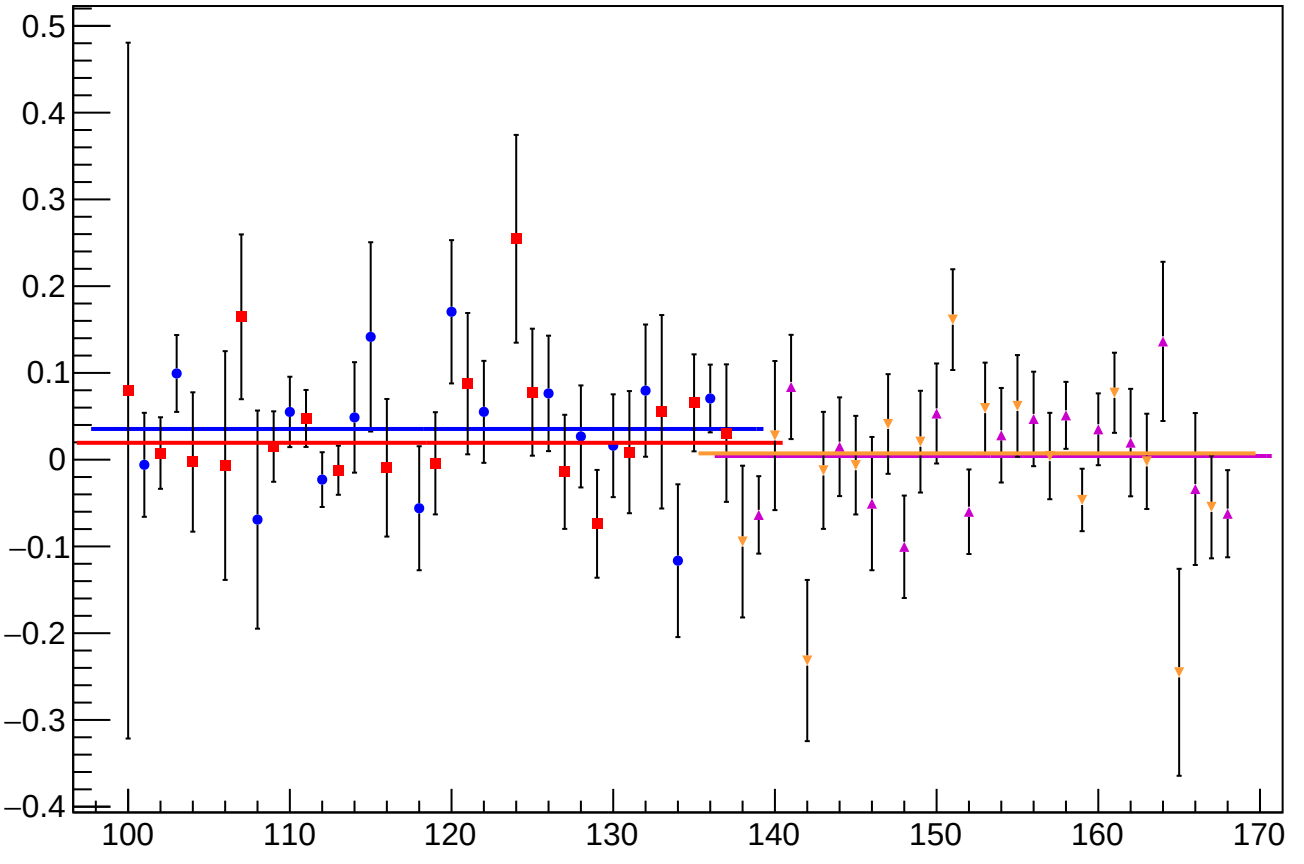
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.838+/-0.010 χ^2/NDF:706679.1/14

+ sign 41.293+/-0.007 χ^2/NDF: 3320164.4/31

All: 40.143+/-0.005 χ^2/NDF: 6900215.8/65

- sign 39.091+/-0.007 χ^2/NDF: 3529536.0/33



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.007+/-0.014 χ^2/NDF:27.6/15

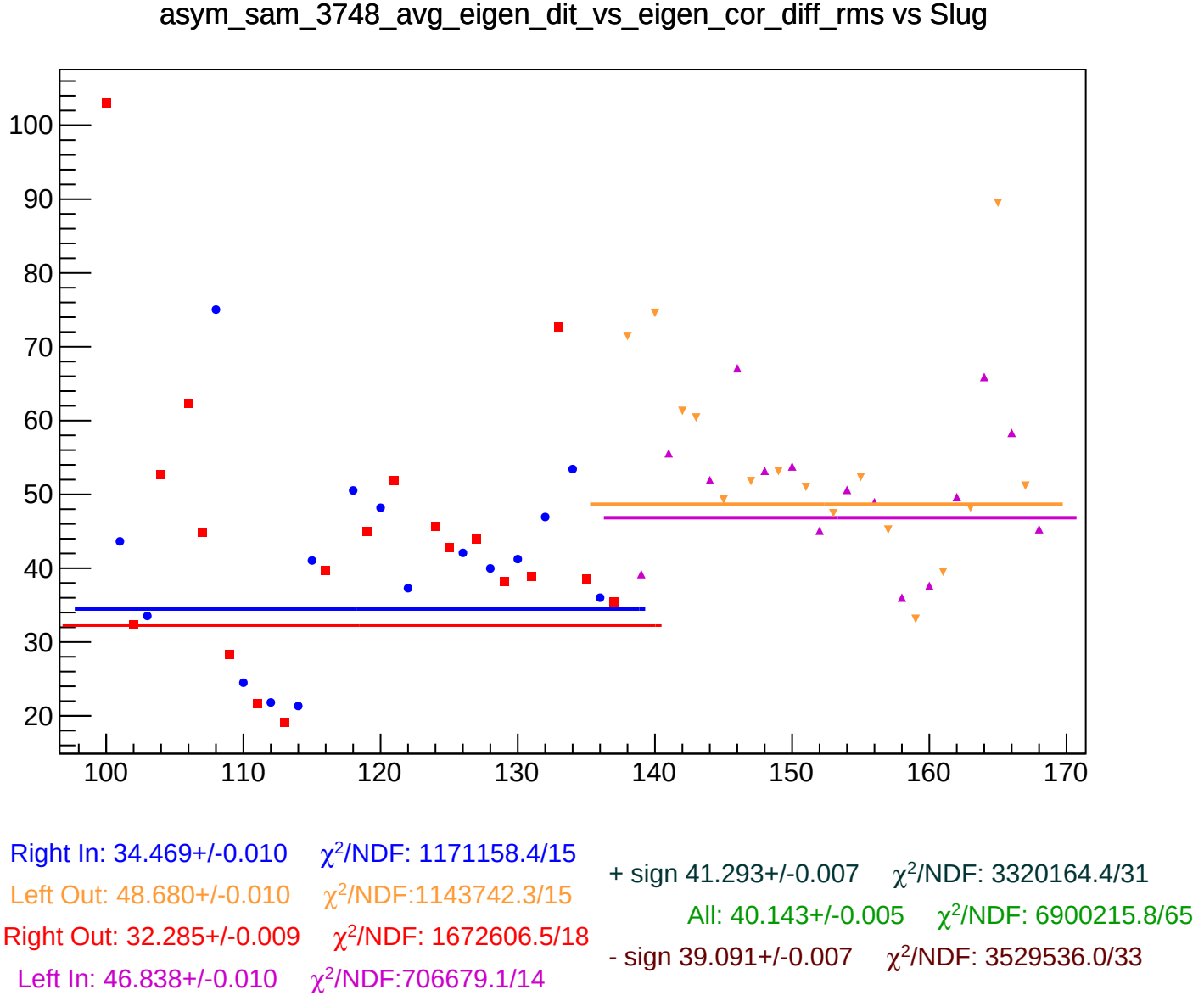
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.004+/-0.014 χ^2/NDF:17.1/14

+ sign 0.022+/-0.010 χ^2/NDF: 46.5/31

All: 0.017+/-0.007 χ^2/NDF: 78.1/65

- sign 0.012+/-0.010 χ^2/NDF: 31.1/33


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
90
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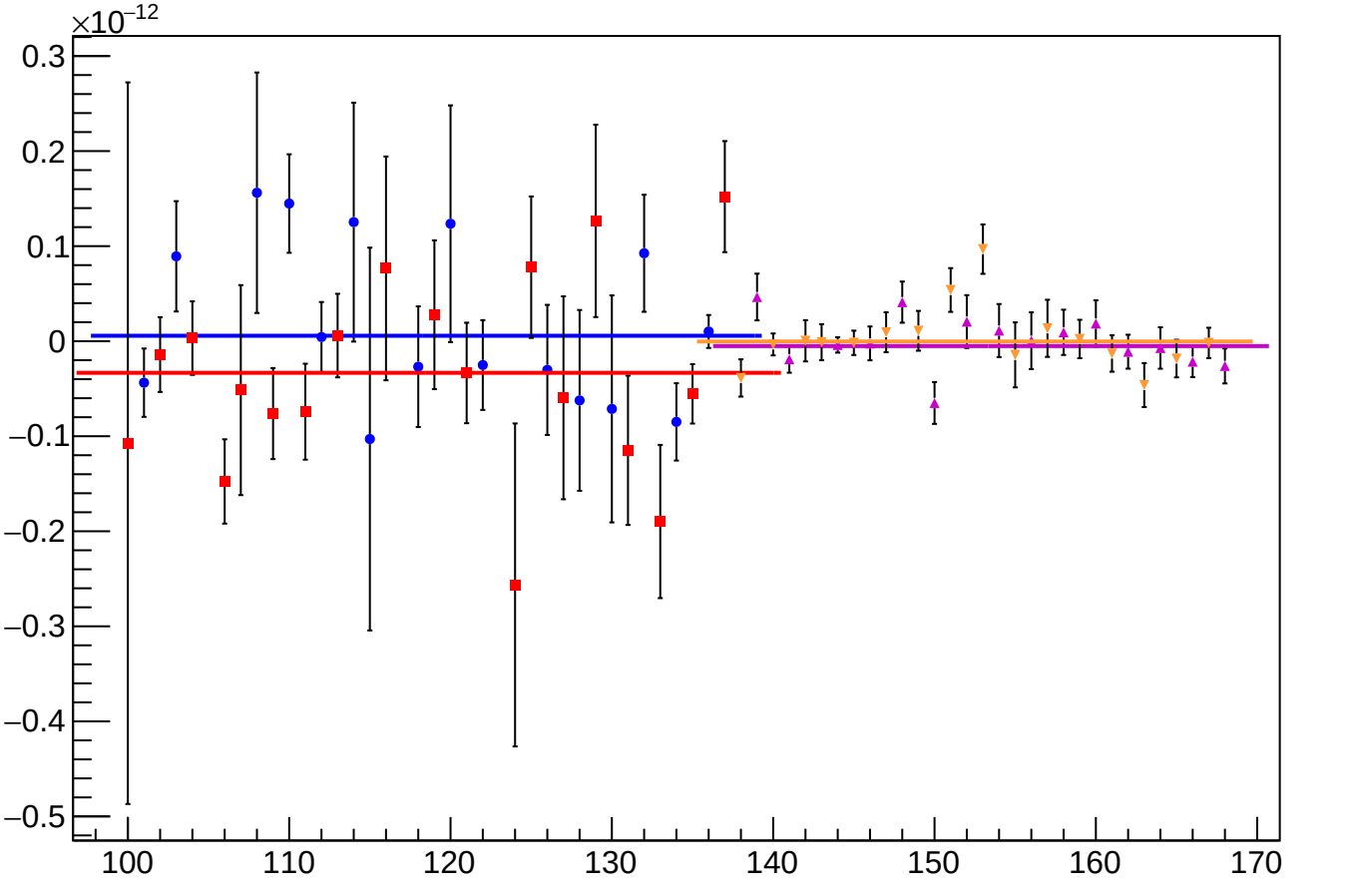
70
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 48.680+/-0.010 χ²/NDF:1143742.3/15
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 46.838+/-0.010 χ²/NDF:706679.1/14
+ sign 41.293+/-0.007 χ²/NDF: 3320164.4/31
All: 40.143+/-0.005 χ²/NDF: 6900215.8/65
- sign 39.091+/-0.007 χ²/NDF: 3529536.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/15

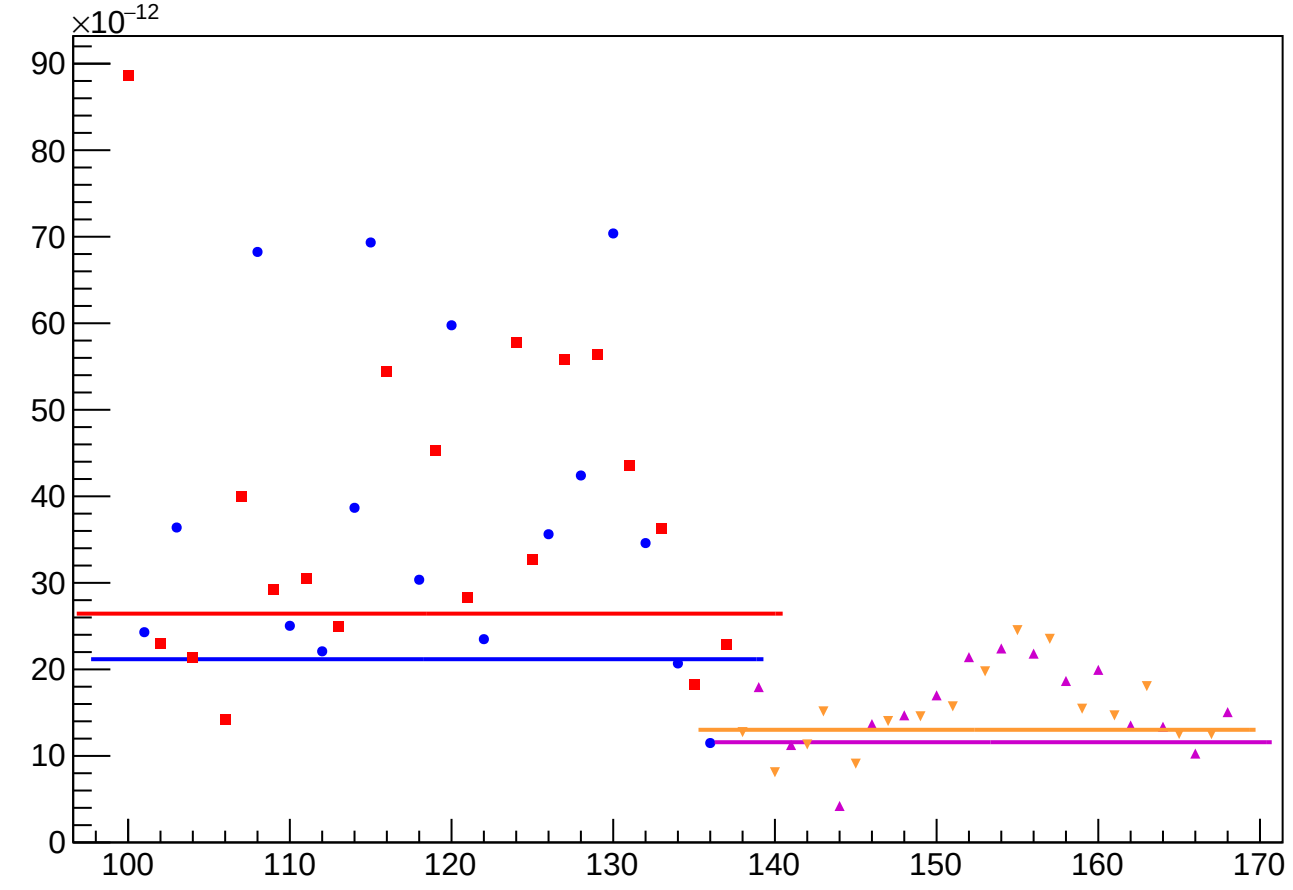
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:22.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 53.3/31

All: -0.000+/-0.000 χ^2/NDF: 115.3/65

- sign -0.000+/-0.000 χ^2/NDF: 59.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 2081289.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1377588.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1217987.6/18

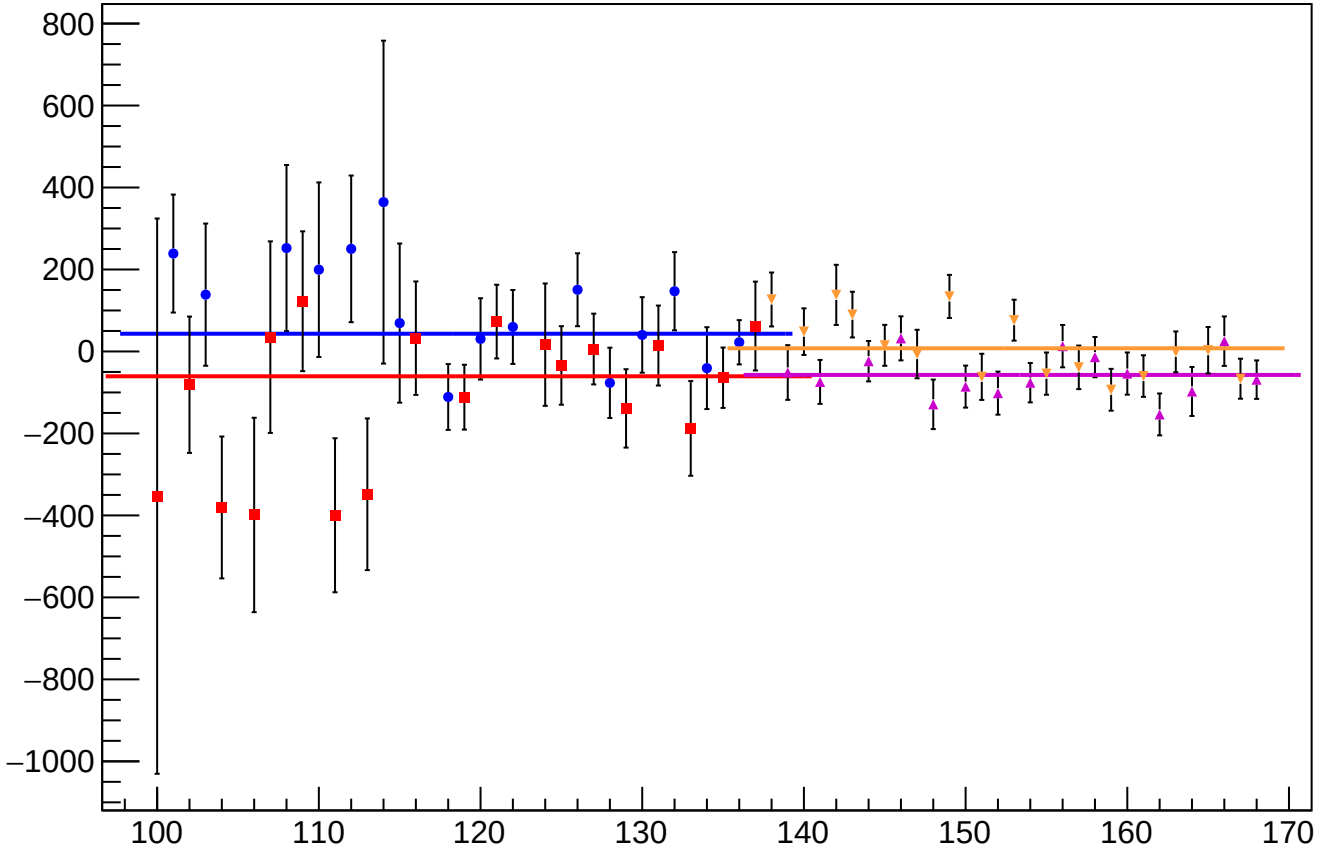
Left In: 0.000+/-0.000 χ^2/NDF:3309635.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 4330129.1/31

All: 0.000+/-0.000 χ^2/NDF: 11230025.3/65

- sign 0.000+/-0.000 χ^2/NDF: 6843837.3/33

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.726+/-13.543 χ^2/NDF:28.7/15

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

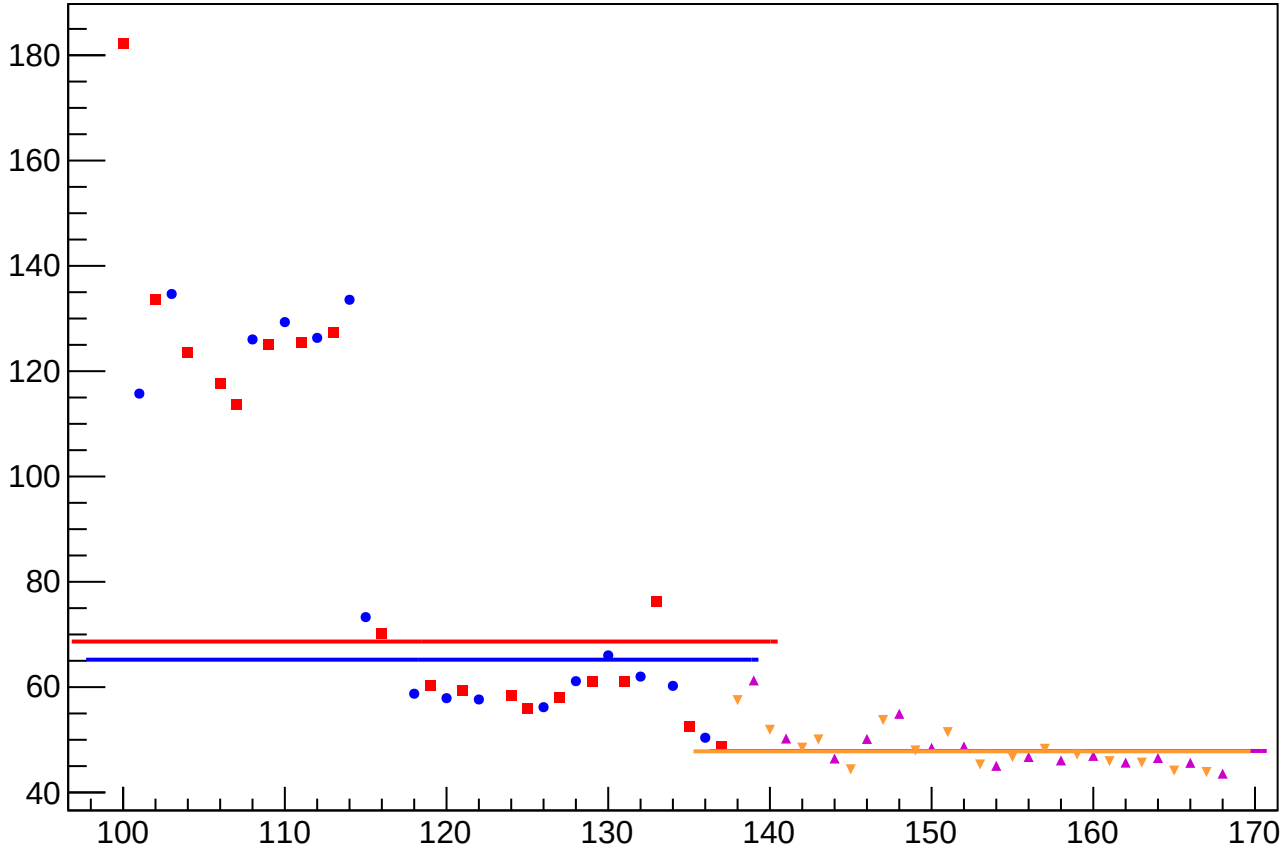
Left In: -57.246+/-13.689 χ^2/NDF:14.5/14

+ sign 15.408+/-11.989 χ^2/NDF: 45.1/31

All: -20.623+/-8.551 χ^2/NDF: 98.4/65

- sign -57.932+/-12.200 χ^2/NDF: 34.9/33

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 47.810+/-0.010 χ^2/NDF:129640.4/15

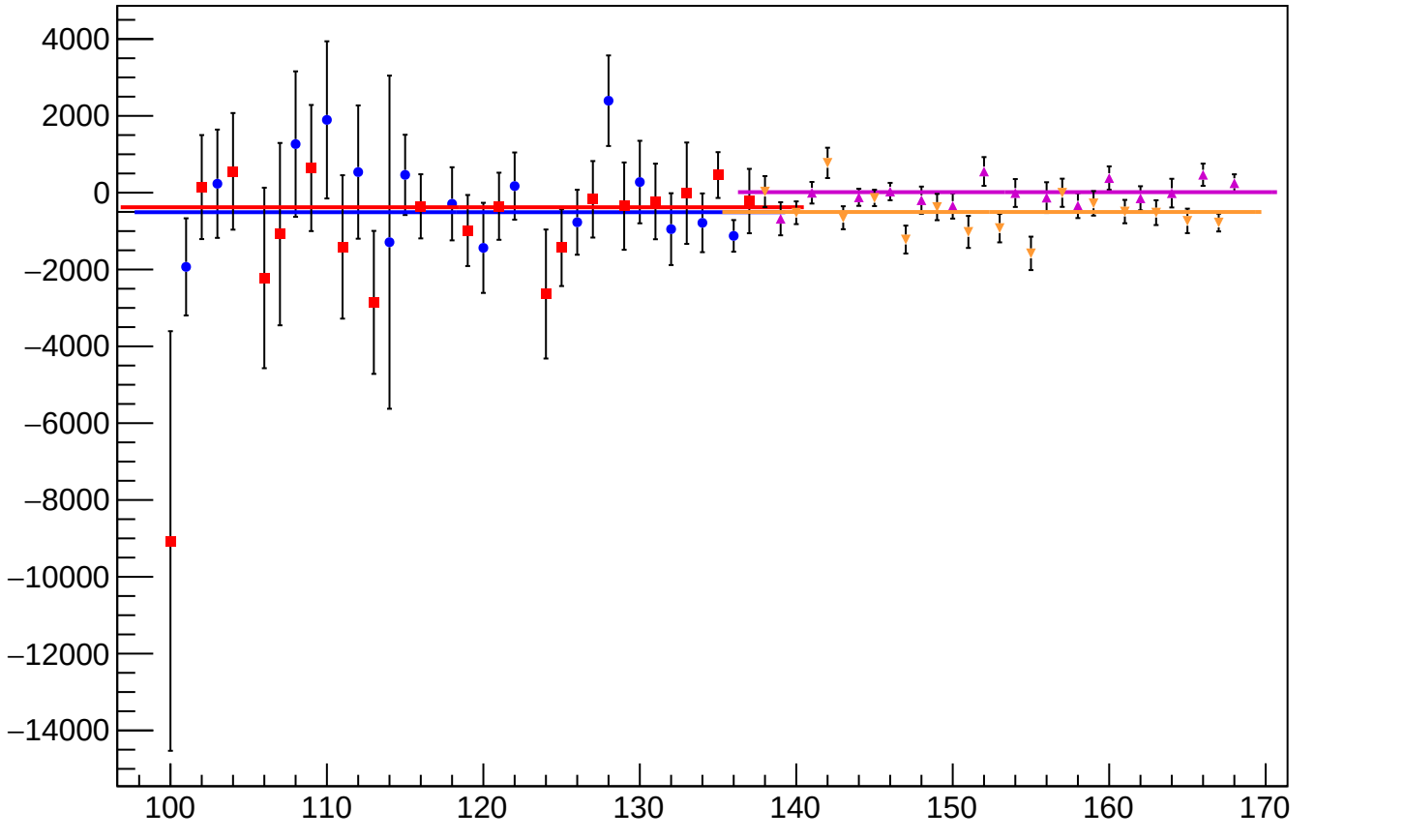
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 47.877+/-0.010 χ^2/NDF:153537.4/14

+ sign 51.574+/-0.008 χ^2/NDF: 2290342.1/31

All: 51.858+/-0.006 χ^2/NDF: 5035315.3/65

- sign 52.153+/-0.009 χ^2/NDF: 2742682.0/33



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -502.520+/-79.624 χ^2/NDF:32.7/15

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

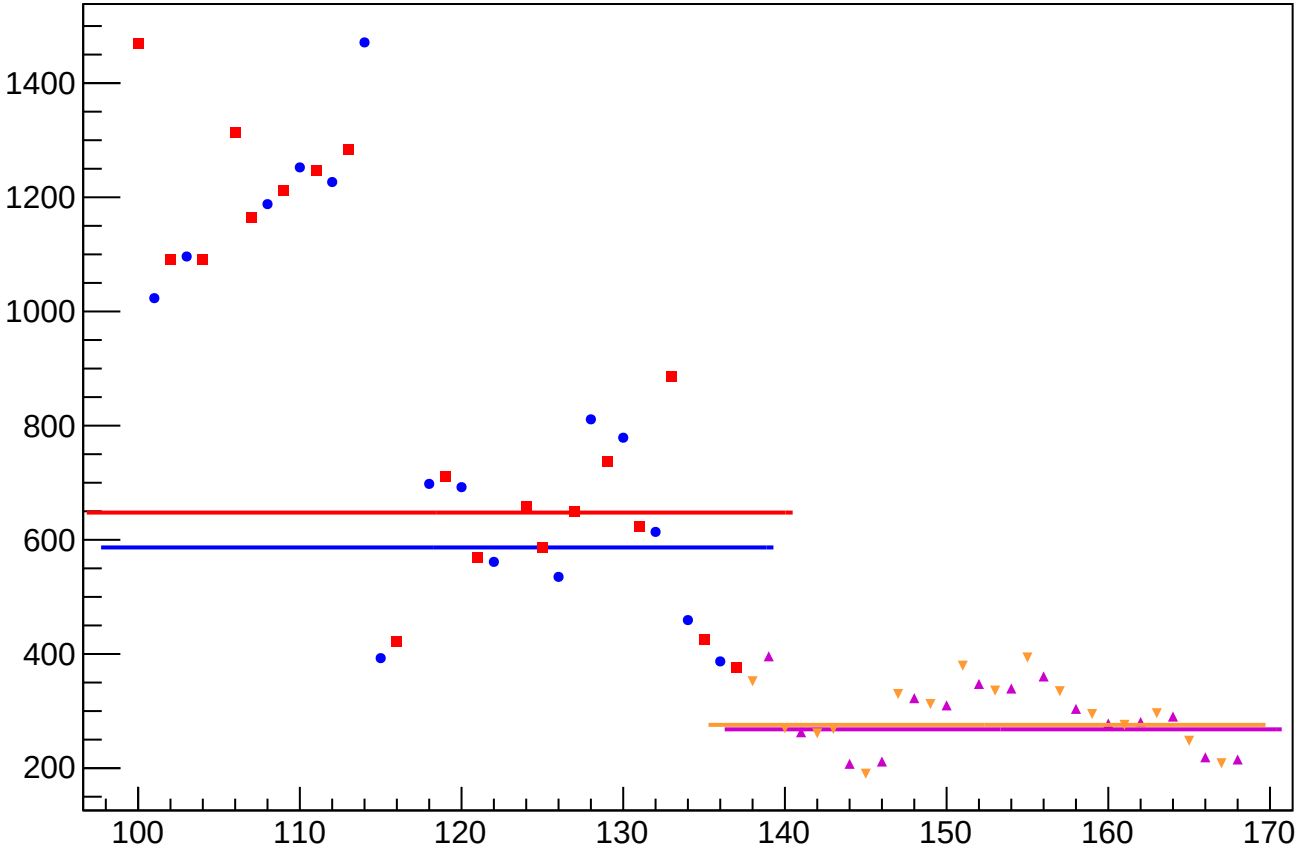
Left In: 13.936+/-78.051 χ^2/NDF:13.1/14

+ sign -503.069+/-75.477 χ^2/NDF: 48.4/31

All: -258.617+/-53.082 χ^2/NDF: 96.0/65

- sign -19.377+/-74.668 χ^2/NDF: 26.9/33

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 275.883+/-0.056 χ^2/NDF:1039639.5/15

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

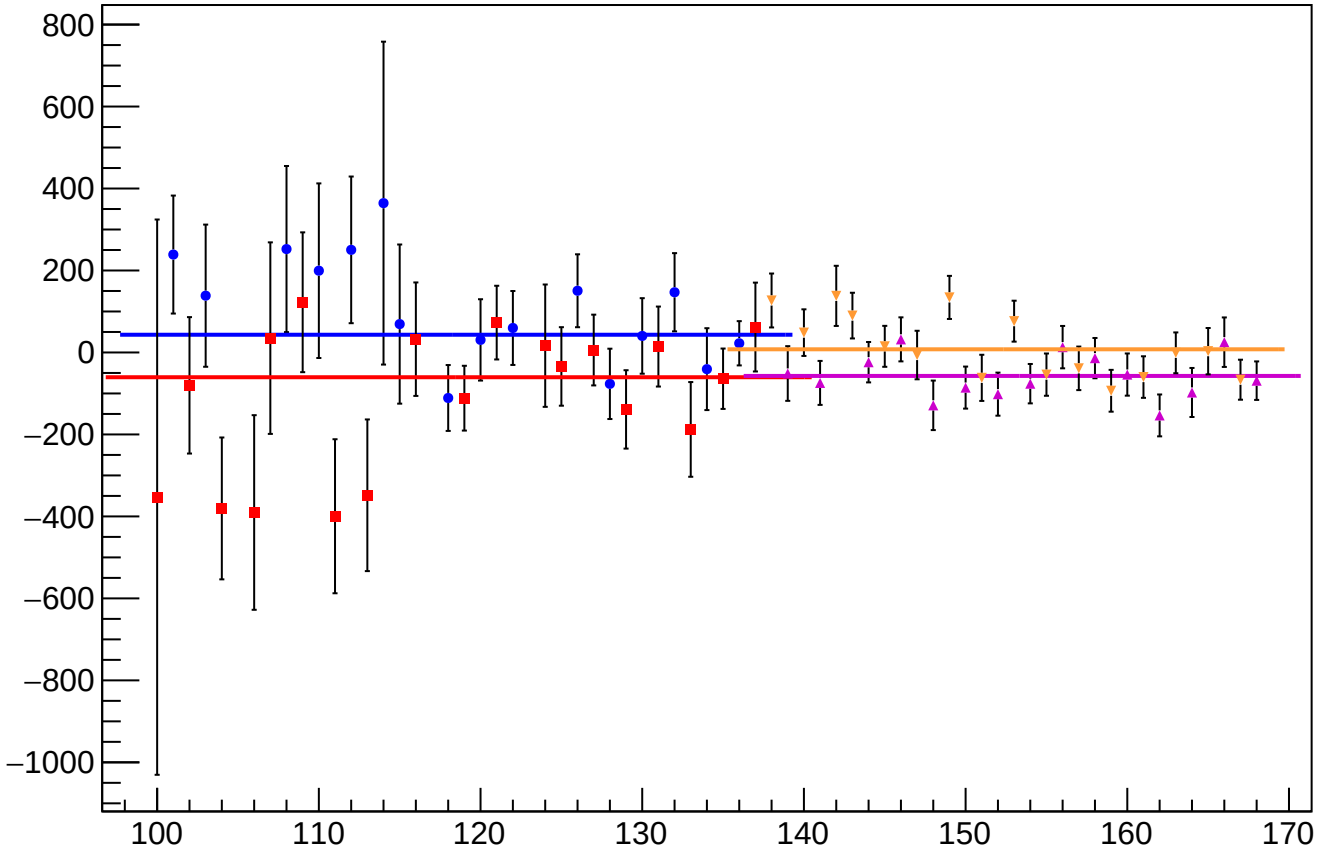
Left In: 268.024+/-0.055 χ^2/NDF:1001930.3/14

+ sign 307.415+/-0.053 χ^2/NDF: 6183965.5/31

All: 303.781+/-0.038 χ^2/NDF: 13314849.3/65

- sign 300.225+/-0.053 χ^2/NDF: 7121709.5/33

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.728+/-13.543 χ^2/NDF:28.7/15

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

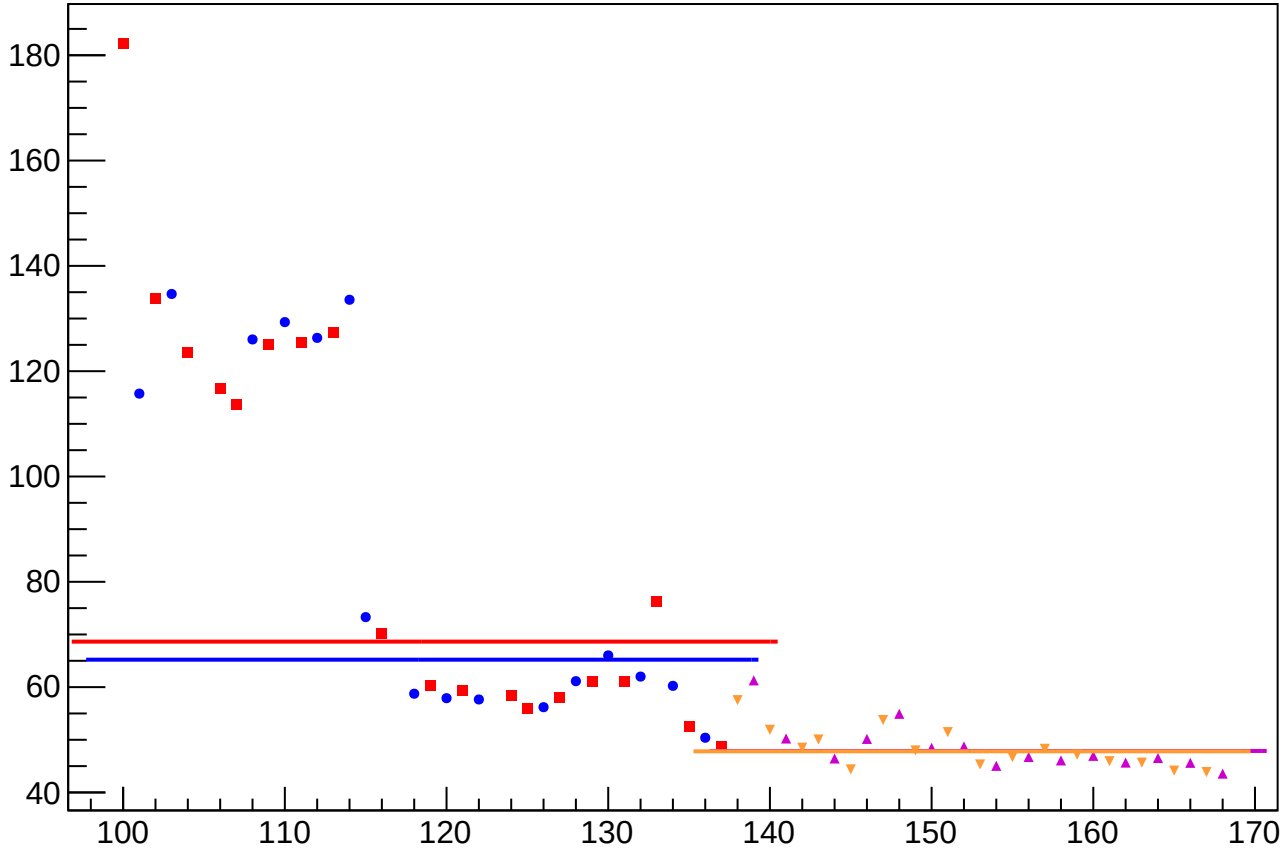
Left In: -57.245+/-13.689 χ^2/NDF:14.5/14

+ sign 15.408+/-11.989 χ^2/NDF: 45.1/31

All: -20.608+/-8.551 χ^2/NDF: 98.3/65

- sign -57.901+/-12.200 χ^2/NDF: 34.8/33

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.810+/-0.010 χ^2/NDF:129640.4/15

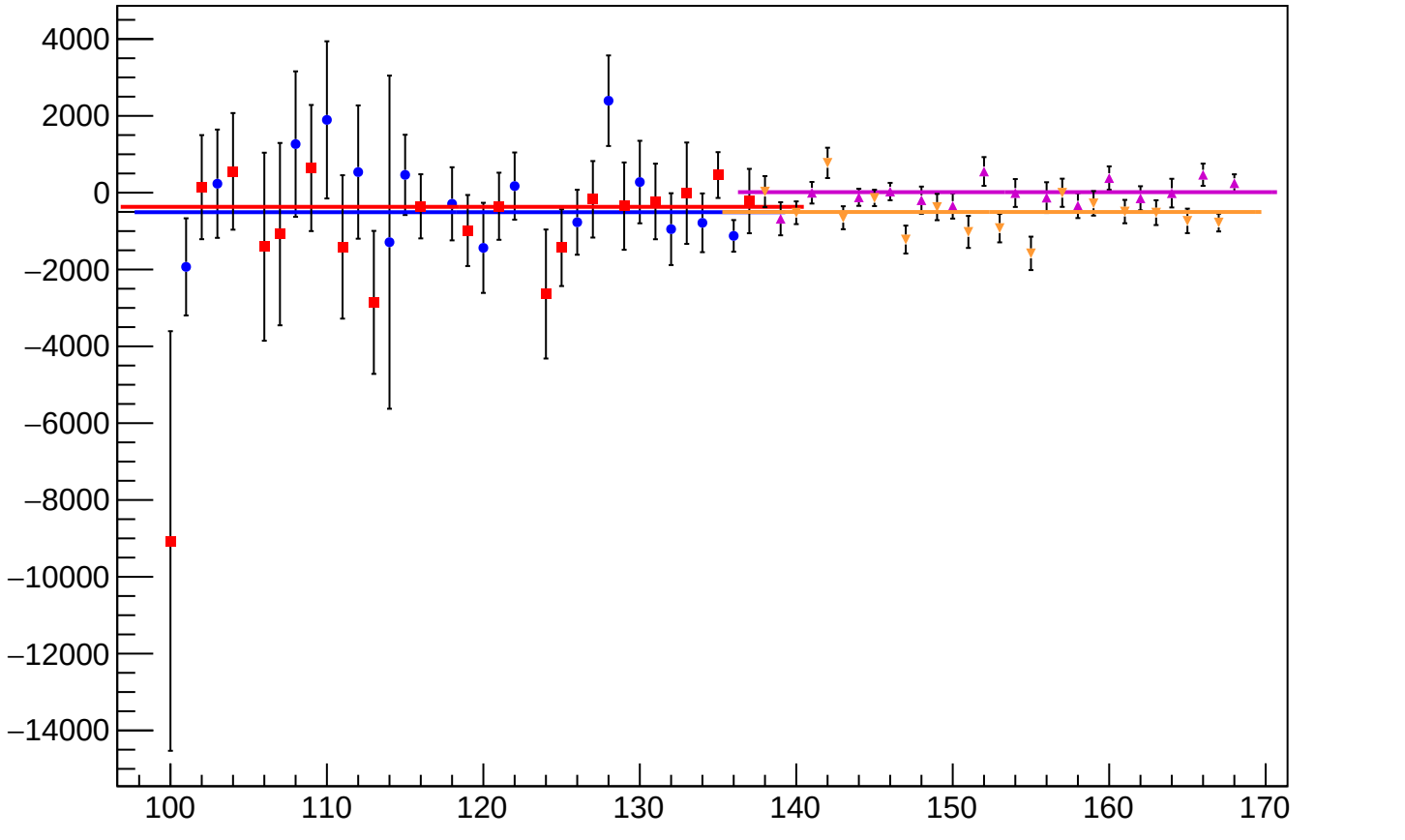
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.877+/-0.010 χ^2/NDF:153537.4/14

+ sign 51.574+/-0.008 χ^2/NDF: 2290344.2/31

All: 51.857+/-0.006 χ^2/NDF: 5030591.1/65

- sign 52.150+/-0.009 χ^2/NDF: 2737980.8/33



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -502.515+/-79.624 χ^2/NDF:32.7/15

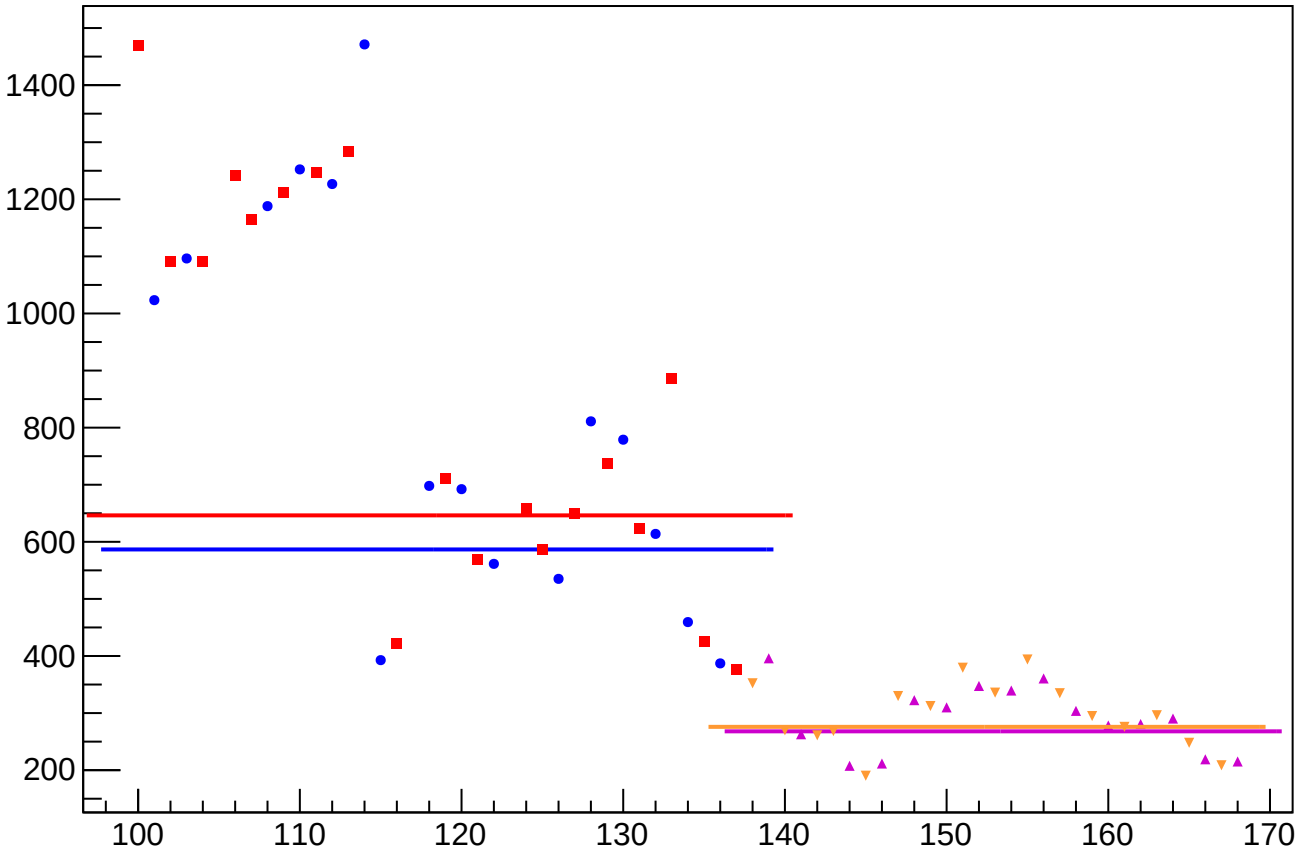
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 13.937+/-78.051 χ^2/NDF:13.1/14

+ sign -503.063+/-75.477 χ^2/NDF: 48.4/31

All: -258.157+/-53.083 χ^2/NDF: 95.6/65

- sign -18.452+/-74.671 χ^2/NDF: 26.4/33



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 275.883+/-0.056 χ^2/NDF:1039646.2/15

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

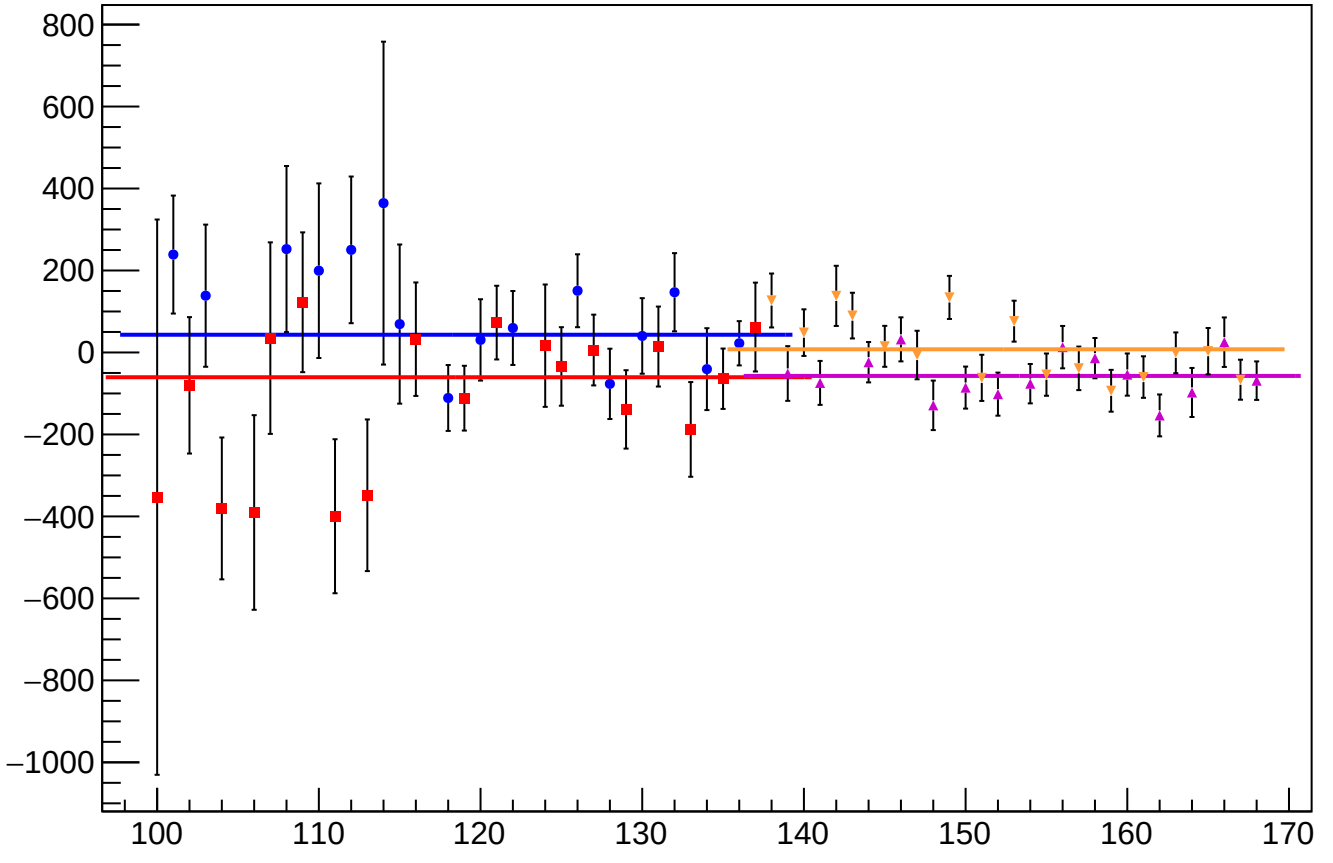
Left In: 268.024+/-0.055 χ^2/NDF:1001927.8/14

+ sign 307.415+/-0.053 χ^2/NDF: 6183999.4/31

All: 303.706+/-0.038 χ^2/NDF: 13239485.6/65

- sign 300.076+/-0.053 χ^2/NDF: 7045930.6/33

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.728+/-13.543 χ^2/NDF:28.7/15

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

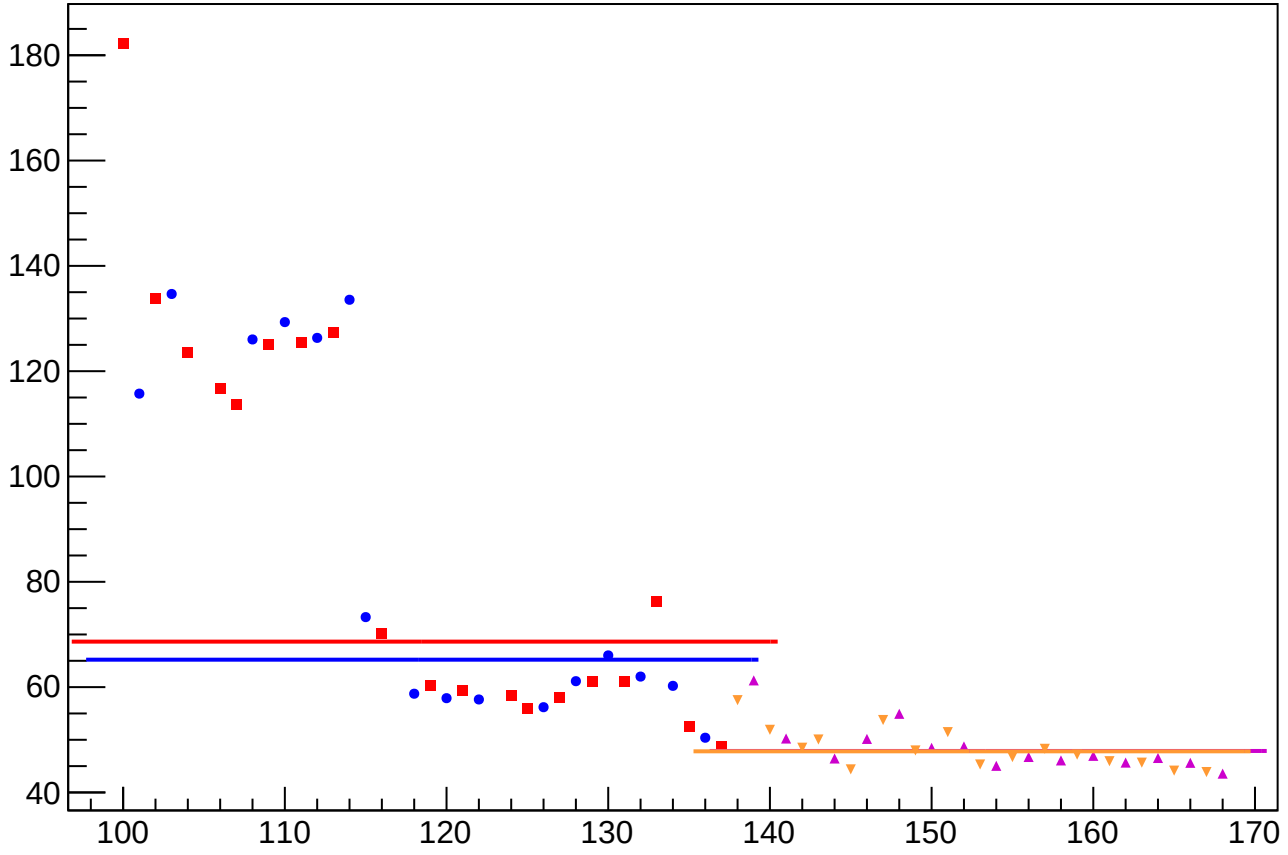
Left In: -57.245+/-13.689 χ^2/NDF:14.5/14

+ sign 15.408+/-11.989 χ^2/NDF: 45.1/31

All: -20.608+/-8.551 χ^2/NDF: 98.3/65

- sign -57.901+/-12.200 χ^2/NDF: 34.8/33

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.810+/-0.010 χ^2/NDF:129640.4/15

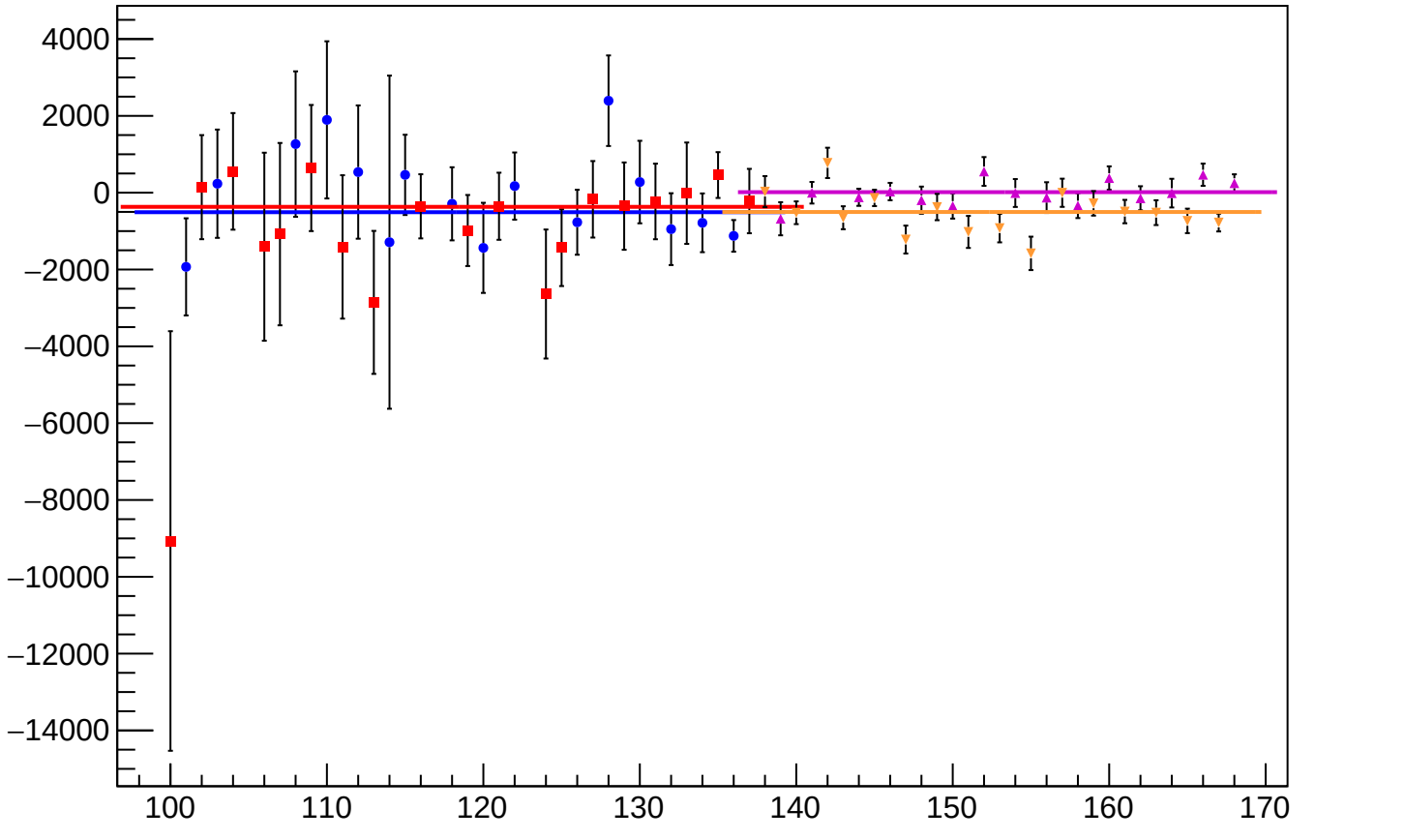
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.877+/-0.010 χ^2/NDF:153537.4/14

+ sign 51.574+/-0.008 χ^2/NDF: 2290344.2/31

All: 51.857+/-0.006 χ^2/NDF: 5030591.1/65

- sign 52.150+/-0.009 χ^2/NDF: 2737980.8/33



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -502.515+/-79.624 χ^2/NDF:32.7/15

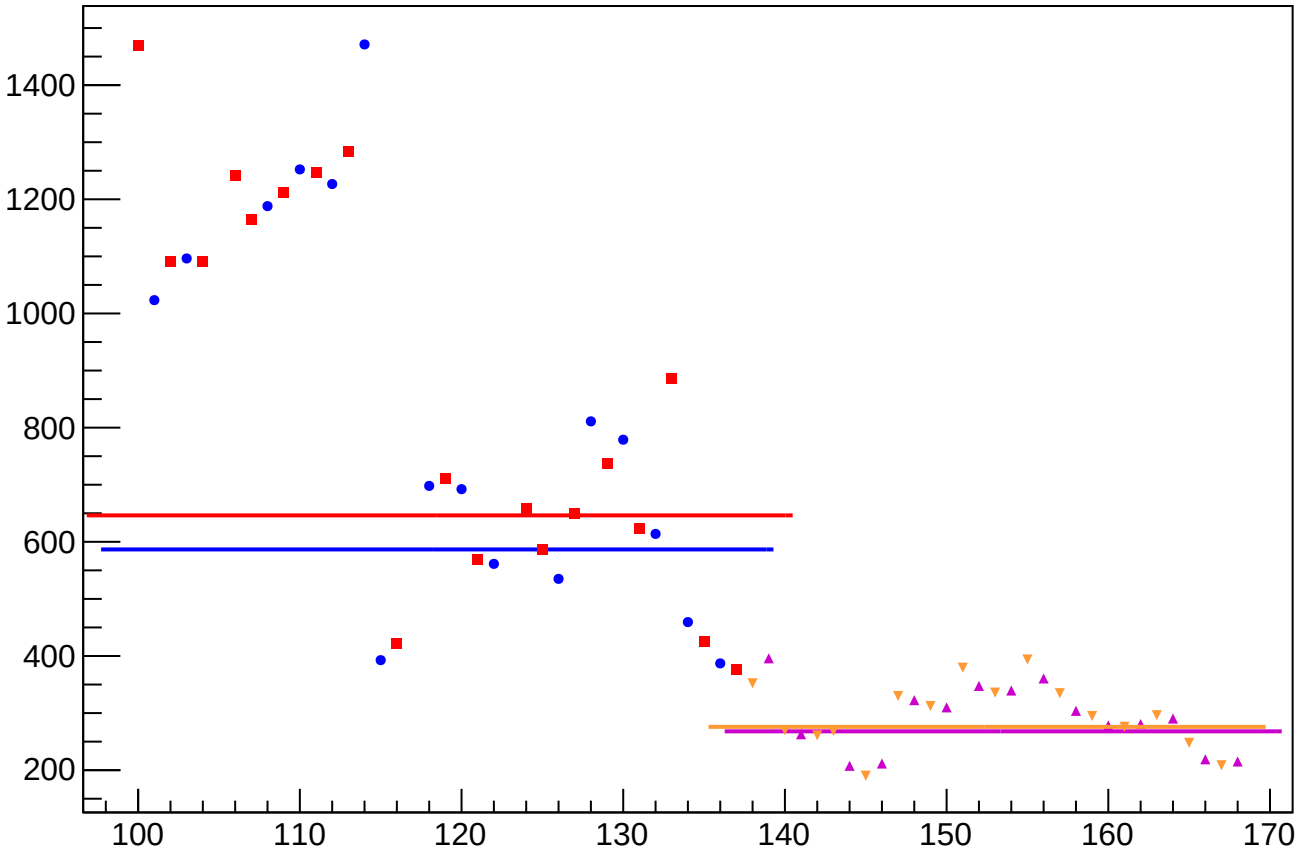
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 13.937+/-78.051 χ^2/NDF:13.1/14

+ sign -503.063+/-75.477 χ^2/NDF: 48.4/31

All: -258.157+/-53.083 χ^2/NDF: 95.6/65

- sign -18.452+/-74.671 χ^2/NDF: 26.4/33



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 275.883+/-0.056 χ^2/NDF:1039646.2/15

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

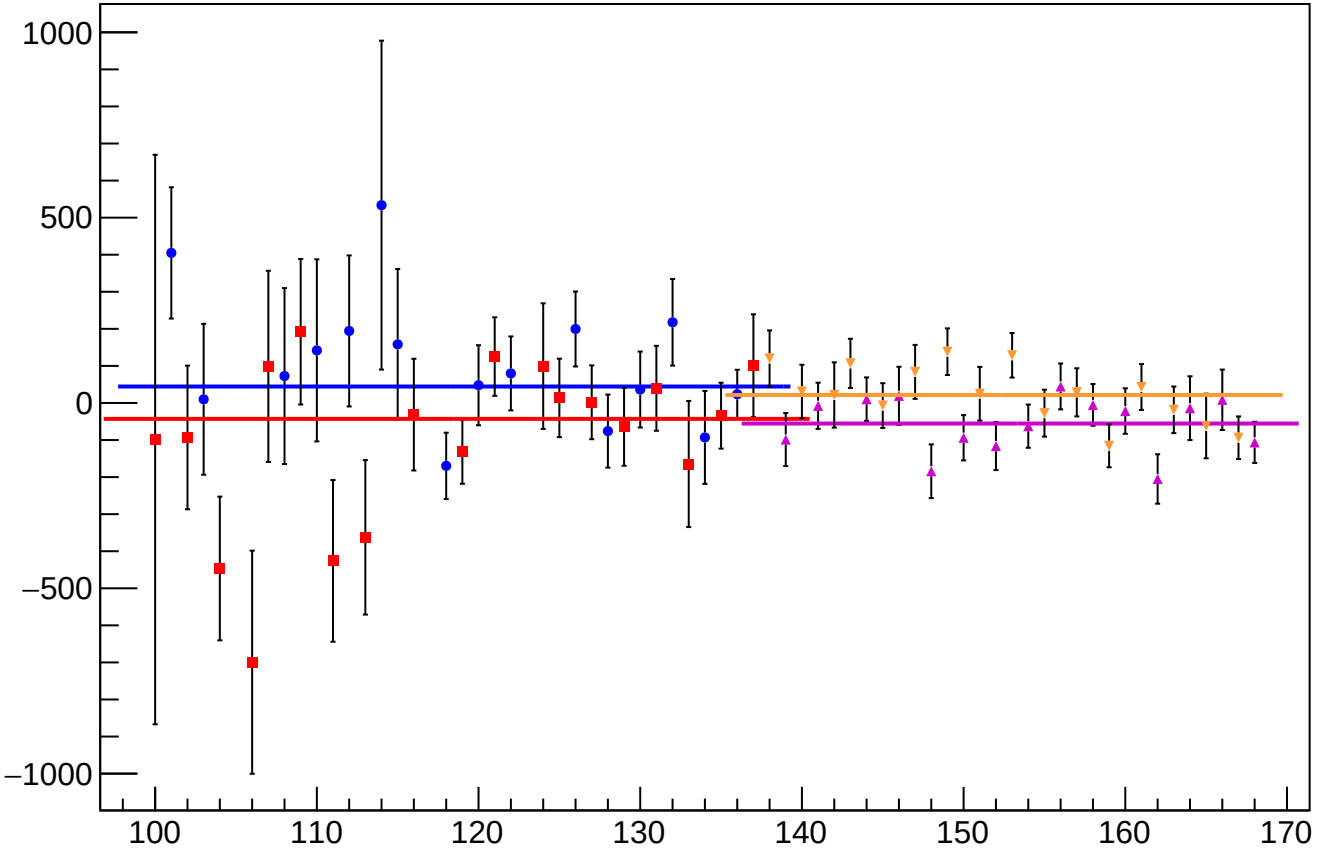
Left In: 268.024+/-0.055 χ^2/NDF:1001927.8/14

+ sign 307.415+/-0.053 χ^2/NDF: 6183999.4/31

All: 303.706+/-0.038 χ^2/NDF: 13239485.6/65

- sign 300.076+/-0.053 χ^2/NDF: 7045930.6/33

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 21.631+/-16.573 χ^2/NDF:22.6/15

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

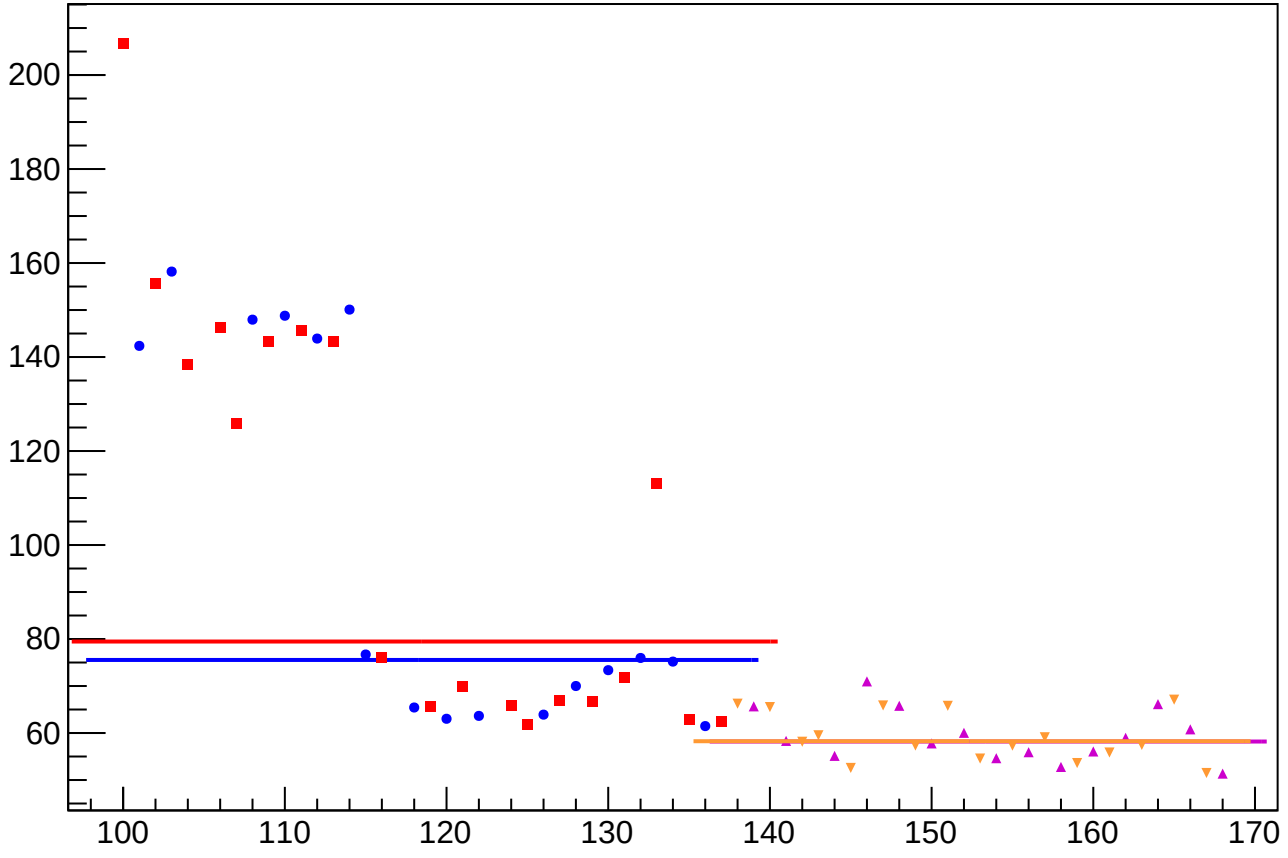
Left In: -55.502+/-16.726 χ^2/NDF:18.0/14

+ sign 26.977+/-14.496 χ^2/NDF: 42.7/31

All: -12.177+/-10.338 χ^2/NDF: 99.0/65

- sign -52.696+/-14.747 χ^2/NDF: 41.4/33

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 58.252+/-0.012 χ^2/NDF:177738.4/15

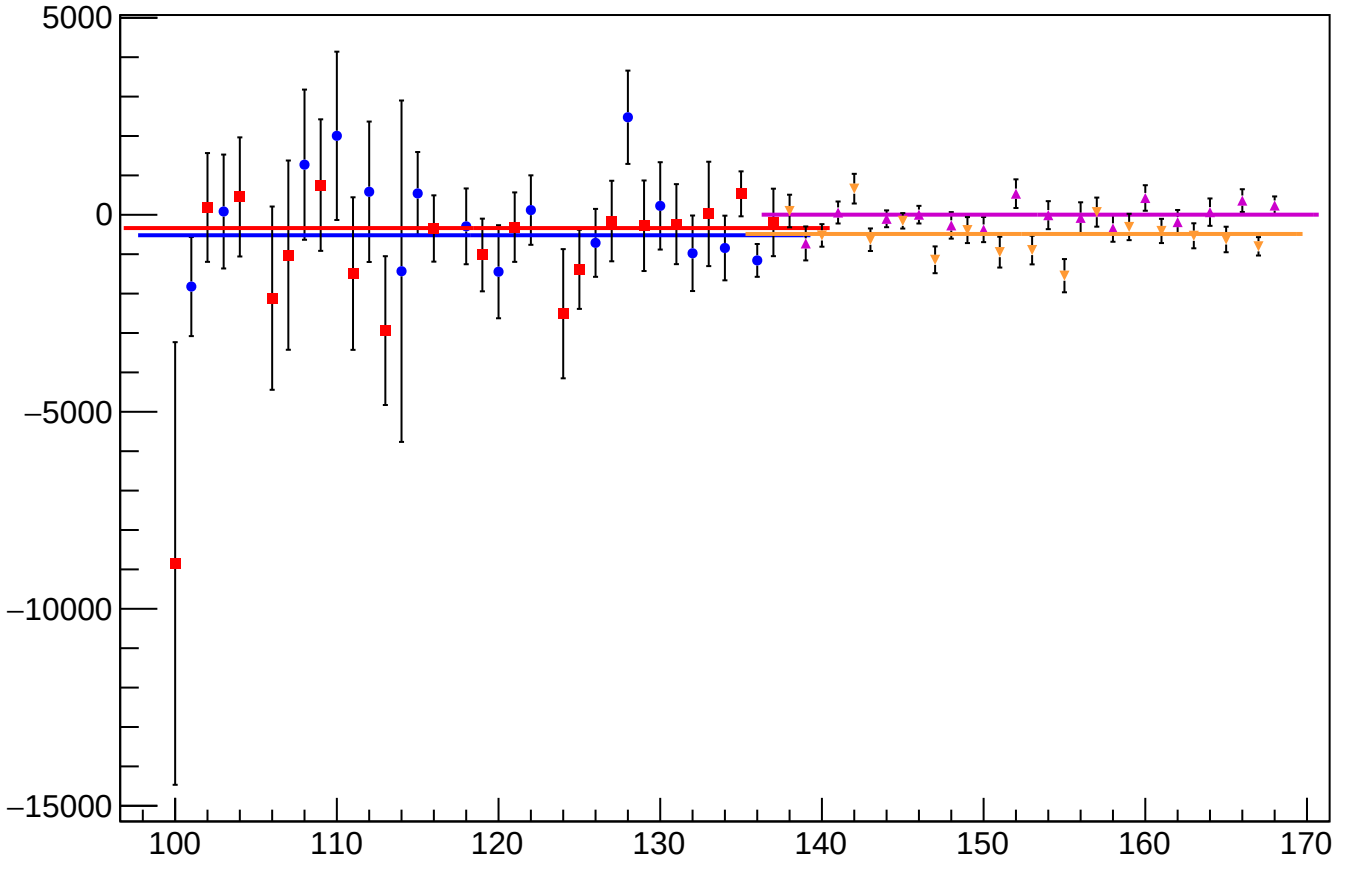
Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.188+/-0.012 χ^2/NDF:184978.6/14

+ sign 62.314+/-0.010 χ^2/NDF: 2154794.4/31

All: 62.615+/-0.007 χ^2/NDF: 4745912.9/65

- sign 62.927+/-0.010 χ^2/NDF: 2589362.9/33



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -486.405+/-77.735 χ^2/NDF:31.8/15

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

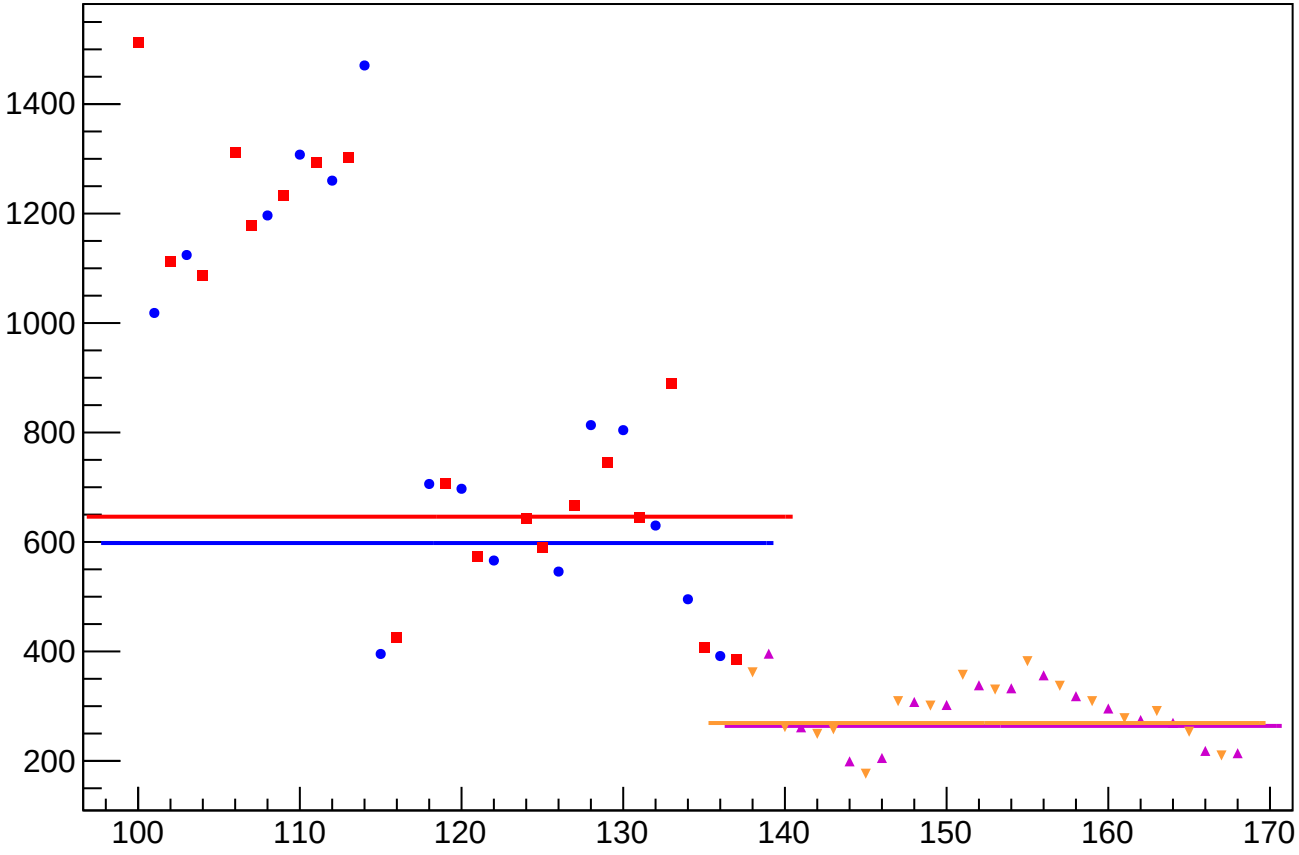
Left In: 3.228+/-76.996 χ^2/NDF:13.1/14

+ sign -489.493+/-73.991 χ^2/NDF: 47.6/31

All: -256.406+/-52.233 χ^2/NDF: 94.1/65

- sign -24.849+/-73.748 χ^2/NDF: 26.6/33

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 269.214+/-0.055 χ^2/NDF:1143960.1/15

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

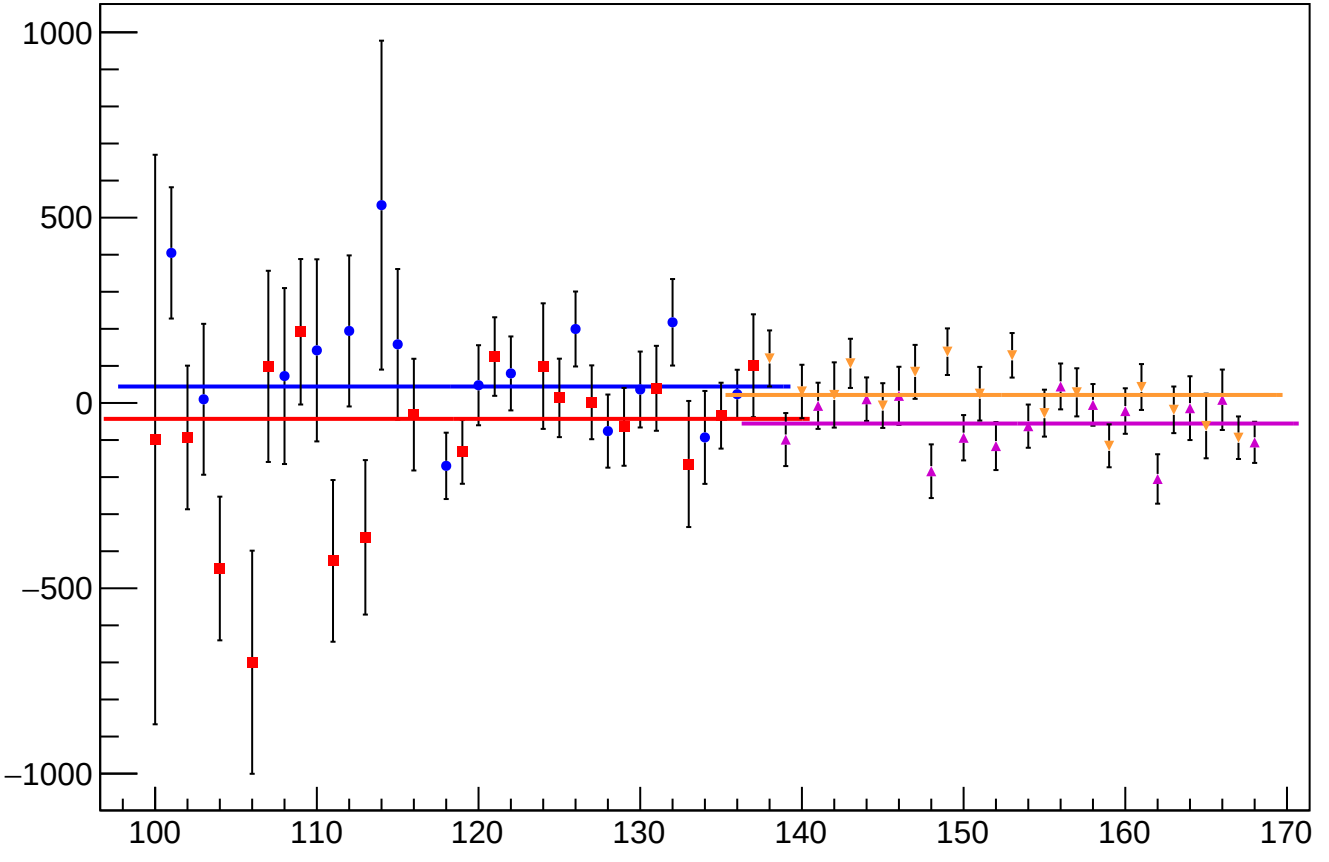
Left In: 263.942+/-0.054 χ^2/NDF:1056472.1/14

+ sign 300.128+/-0.052 χ^2/NDF: 6556286.5/31

All: 297.812+/-0.037 χ^2/NDF: 13893201.2/65

- sign 295.511+/-0.052 χ^2/NDF: 7333008.6/33

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 21.632+/-16.573 χ^2/NDF:22.6/15

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

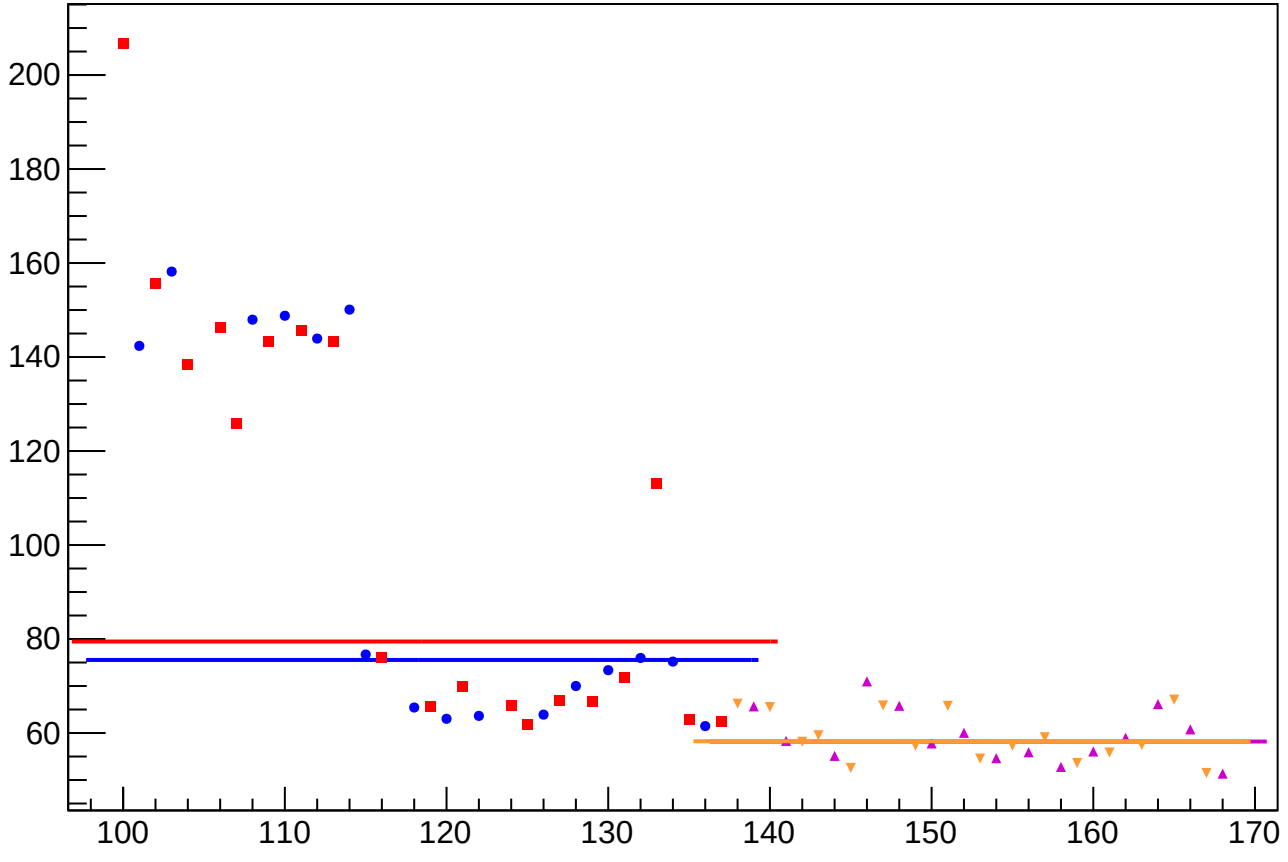
Left In: -55.501+/-16.726 χ^2/NDF:18.0/14

+ sign 26.977+/-14.496 χ^2/NDF: 42.7/31

All: -12.176+/-10.338 χ^2/NDF: 98.9/65

- sign -52.695+/-14.747 χ^2/NDF: 41.4/33

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 58.252+/-0.012 χ^2/NDF:177736.5/15

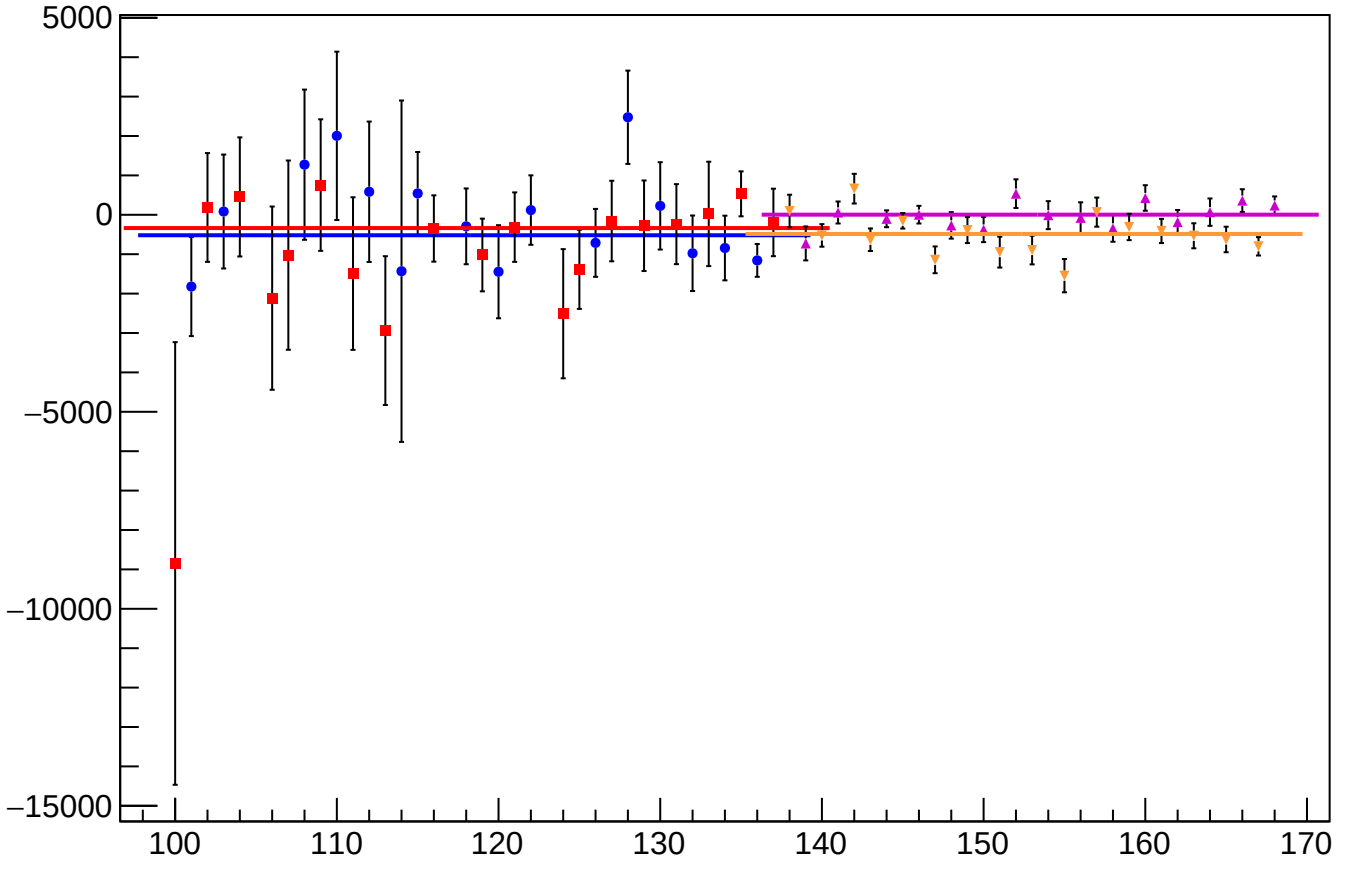
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.189+/-0.012 χ^2/NDF:184982.1/14

+ sign 62.314+/-0.010 χ^2/NDF: 2154754.5/31

All: 62.616+/-0.007 χ^2/NDF: 4745841.7/65

- sign 62.927+/-0.010 χ^2/NDF: 2589331.2/33



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -486.404+/-77.735 χ^2/NDF:31.8/15

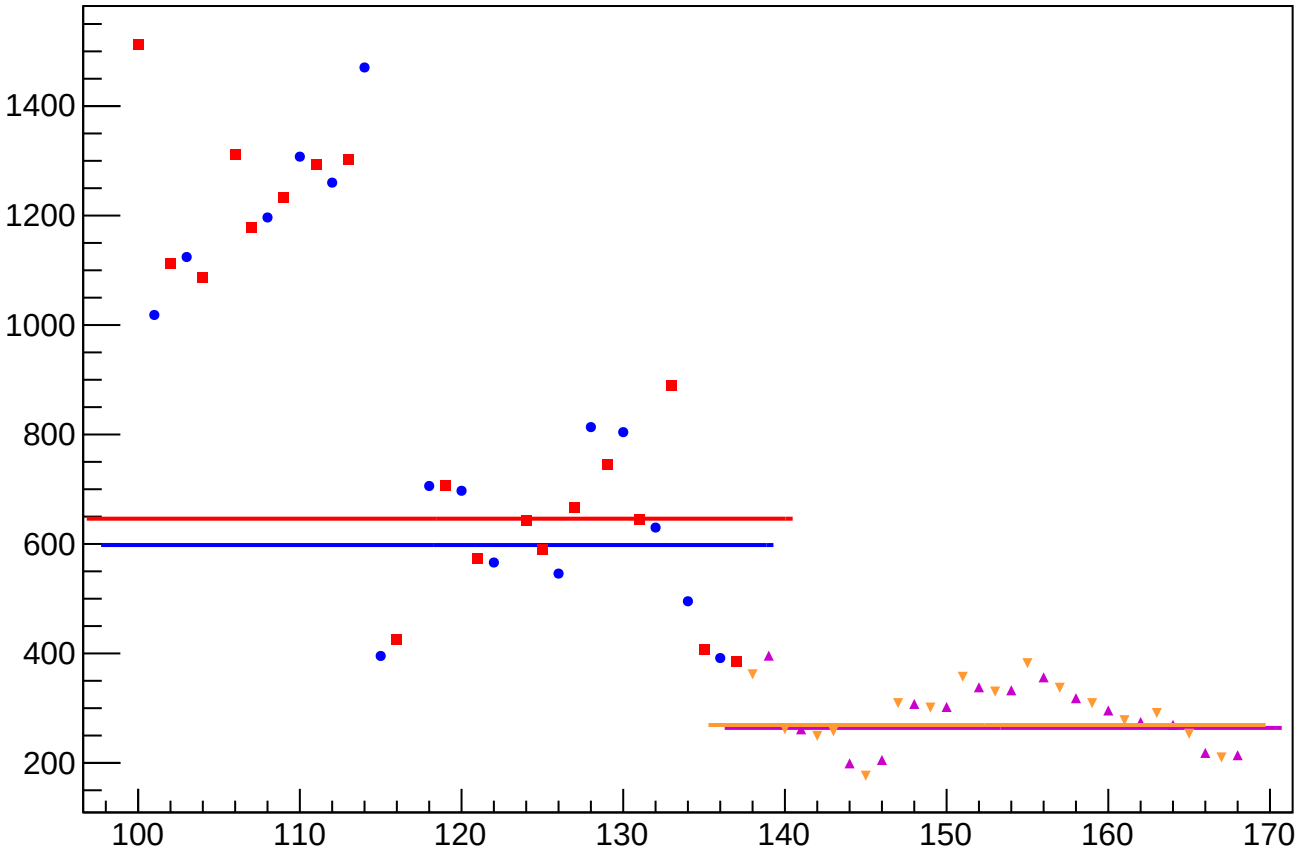
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 3.228+/-76.996 χ^2/NDF:13.1/14

+ sign -489.492+/-73.991 χ^2/NDF: 47.6/31

All: -256.406+/-52.233 χ^2/NDF: 94.1/65

- sign -24.849+/-73.748 χ^2/NDF: 26.6/33



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 269.214+/-0.055 χ^2/NDF:1143963.6/15

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

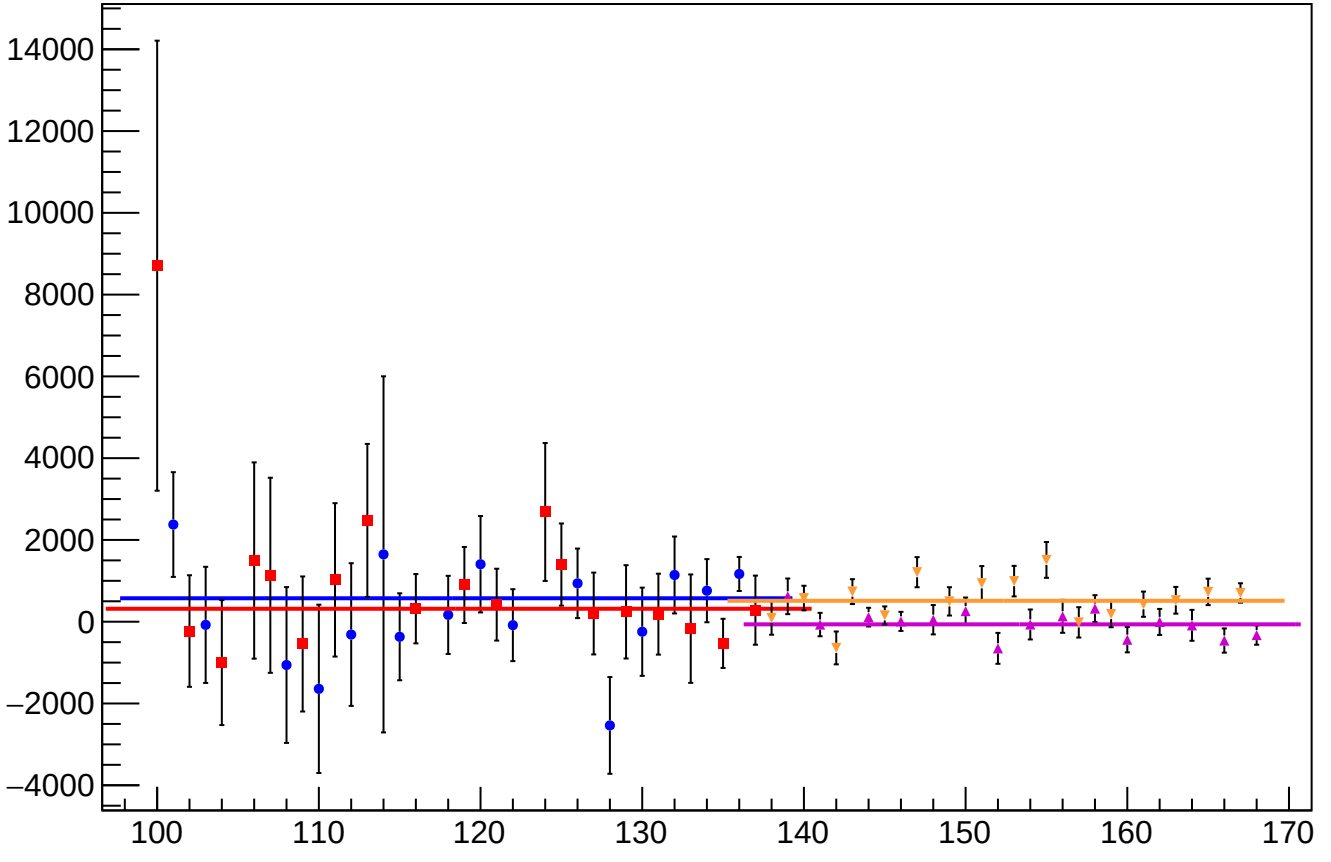
Left In: 263.941+/-0.054 χ^2/NDF:1056467.3/14

+ sign 300.128+/-0.052 χ^2/NDF: 6556278.8/31

All: 297.812+/-0.037 χ^2/NDF: 13893179.2/65

- sign 295.511+/-0.052 χ^2/NDF: 7332994.4/33

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 511.769+/-80.948 χ^2/NDF:28.2/15

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

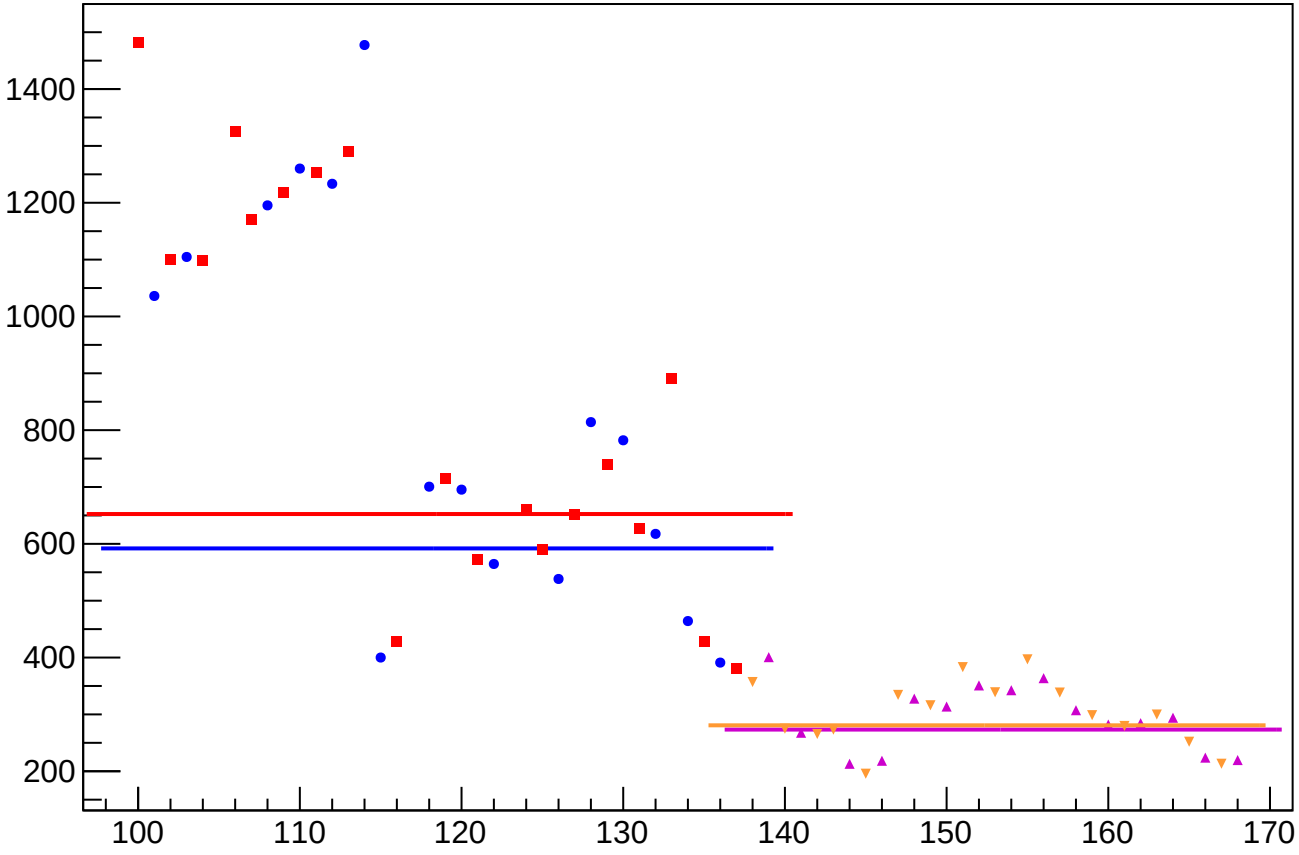
Left In: -64.294+/-79.480 χ^2/NDF:12.8/14

+ sign 518.112+/-76.667 χ^2/NDF: 44.9/31

All: 240.865+/-53.961 χ^2/NDF: 96.6/65

- sign -31.316+/-75.963 χ^2/NDF: 25.8/33

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 280.797+/-0.057 χ^2/NDF:985621.9/15

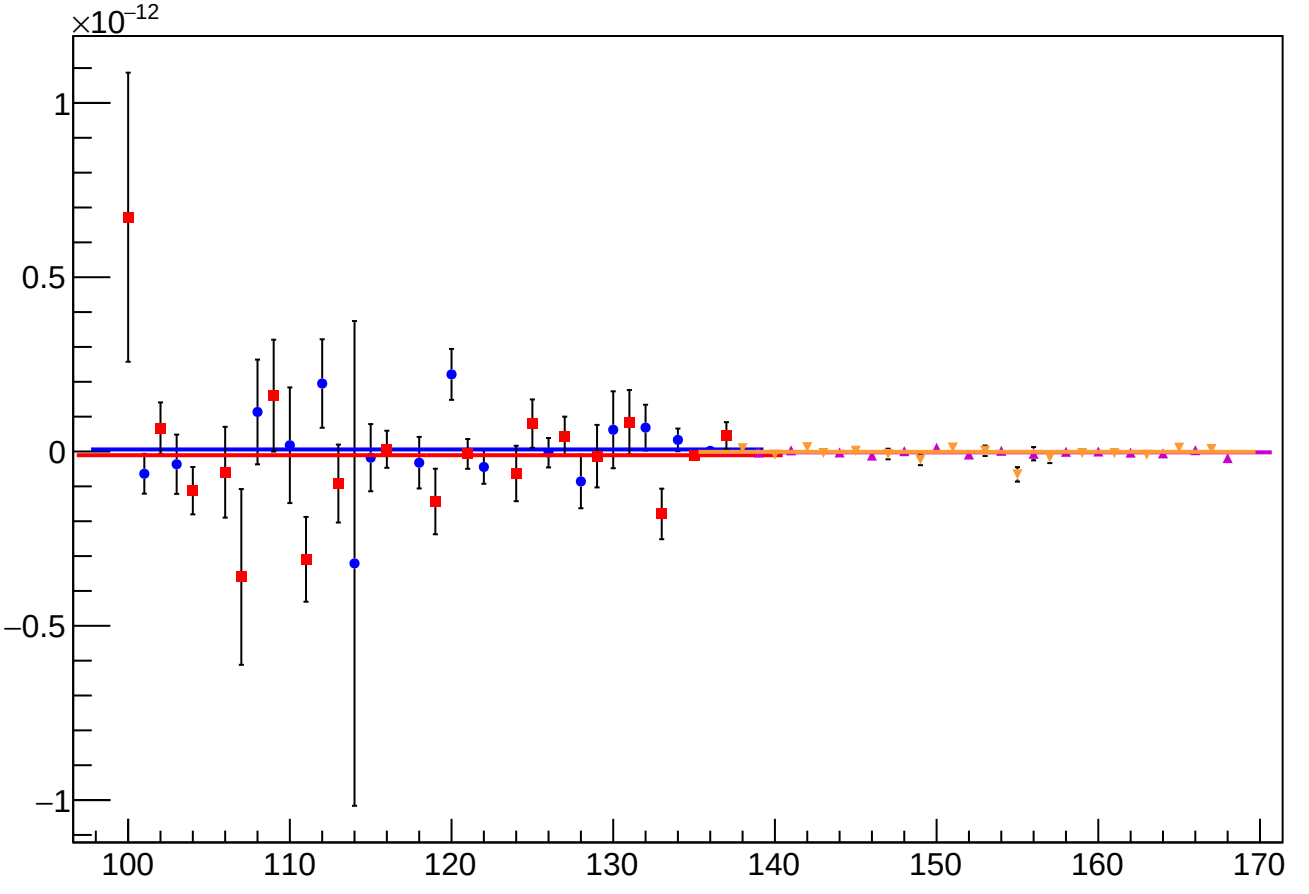
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 273.298+/-0.056 χ^2/NDF:942722.2/14

+ sign 312.839+/-0.054 χ^2/NDF: 6064607.9/31

All: 309.442+/-0.038 χ^2/NDF: 13043581.5/65

- sign 306.107+/-0.054 χ^2/NDF: 6971192.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/15

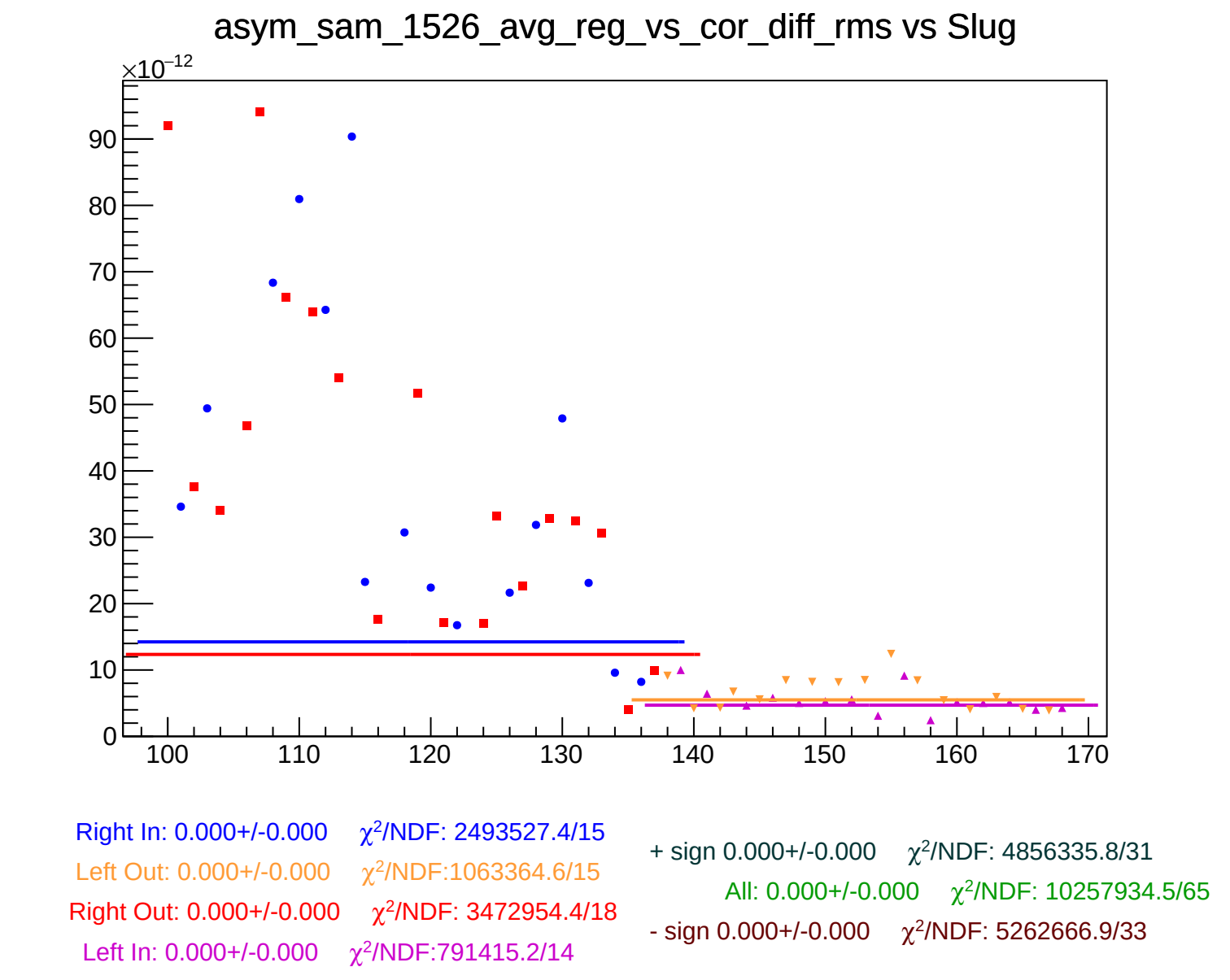
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

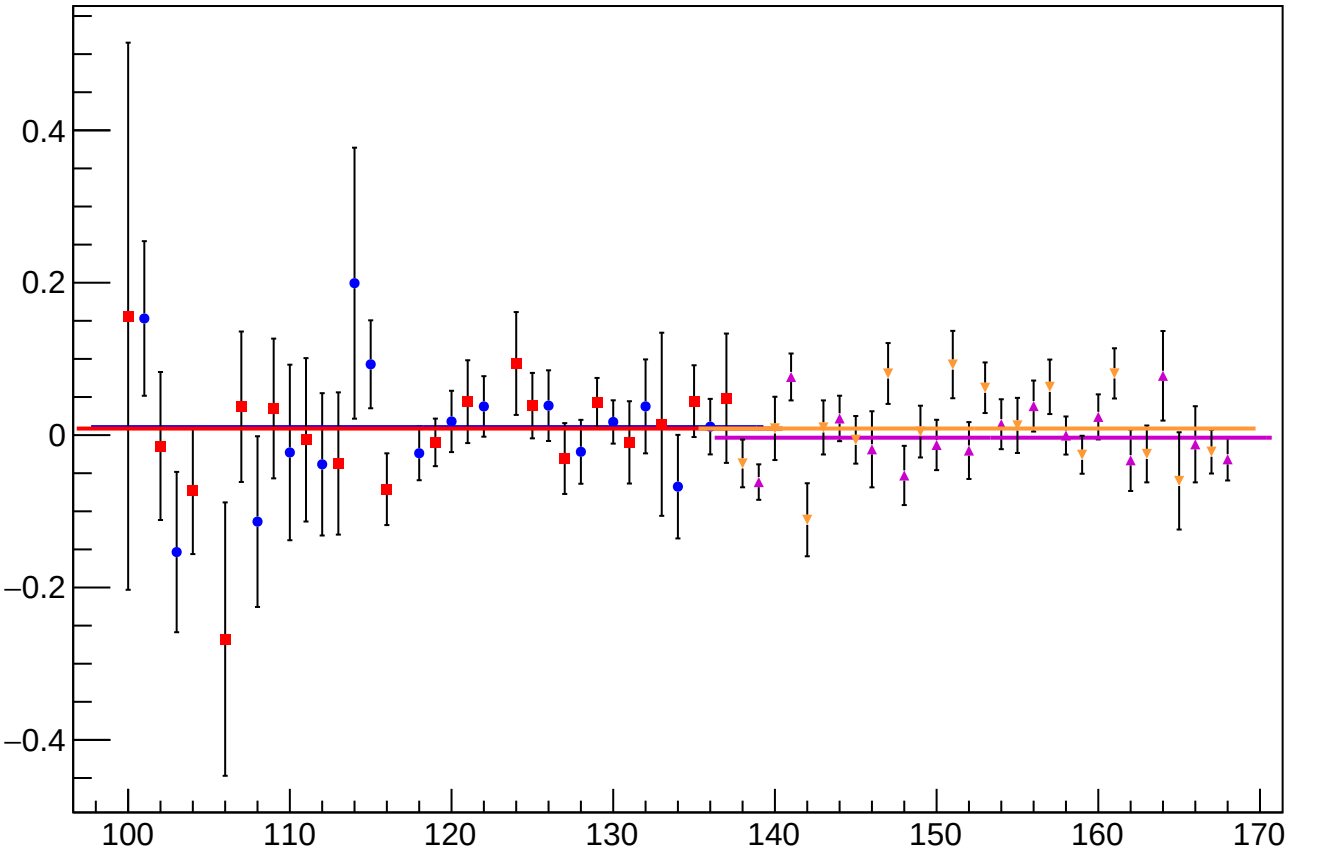
Left In: -0.000+/-0.000 χ^2/NDF:8.6/14

+ sign -0.000+/-0.000 χ^2/NDF: 40.1/31

All: -0.000+/-0.000 χ^2/NDF: 79.2/65

- sign -0.000+/-0.000 χ^2/NDF: 38.7/33


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1063364.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:791415.2/14
+ sign 0.000+/-0.000 χ²/NDF: 4856335.8/31
All: 0.000+/-0.000 χ²/NDF: 10257934.5/65
- sign 0.000+/-0.000 χ²/NDF: 5262666.9/33



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.009+/-0.009 χ^2/NDF:30.3/15

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

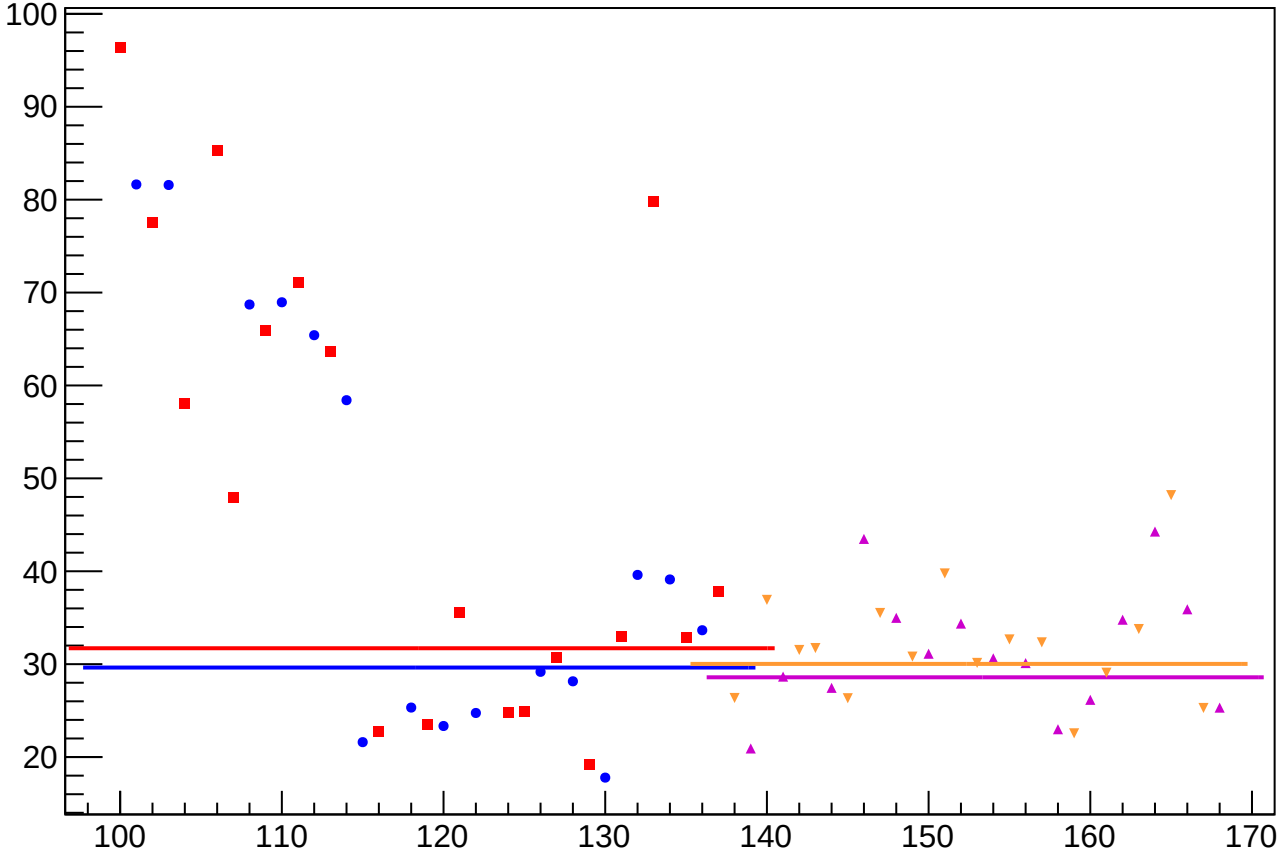
Left In: -0.003+/-0.008 χ^2/NDF:21.9/14

+ sign 0.009+/-0.007 χ^2/NDF: 43.4/31

All: 0.005+/-0.005 χ^2/NDF: 79.2/65

- sign 0.000+/-0.007 χ^2/NDF: 34.9/33

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.027+/-0.006 χ^2/NDF:690474.5/15

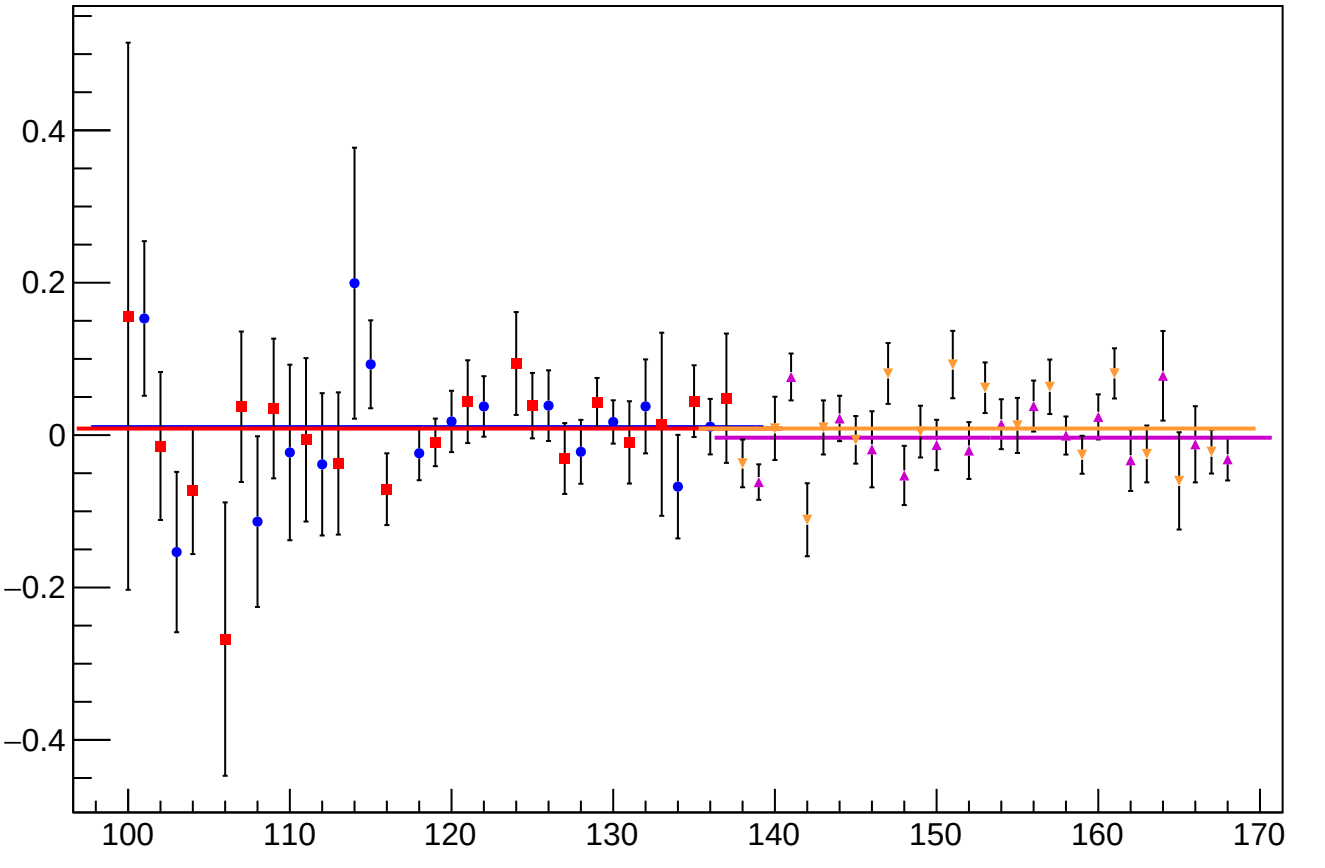
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.585+/-0.006 χ^2/NDF:897394.9/14

+ sign 29.898+/-0.005 χ^2/NDF: 3140253.8/31

All: 29.696+/-0.004 χ^2/NDF: 6771391.6/65

- sign 29.495+/-0.005 χ^2/NDF: 3627971.2/33



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.009+/-0.009 χ^2/NDF:30.3/15

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

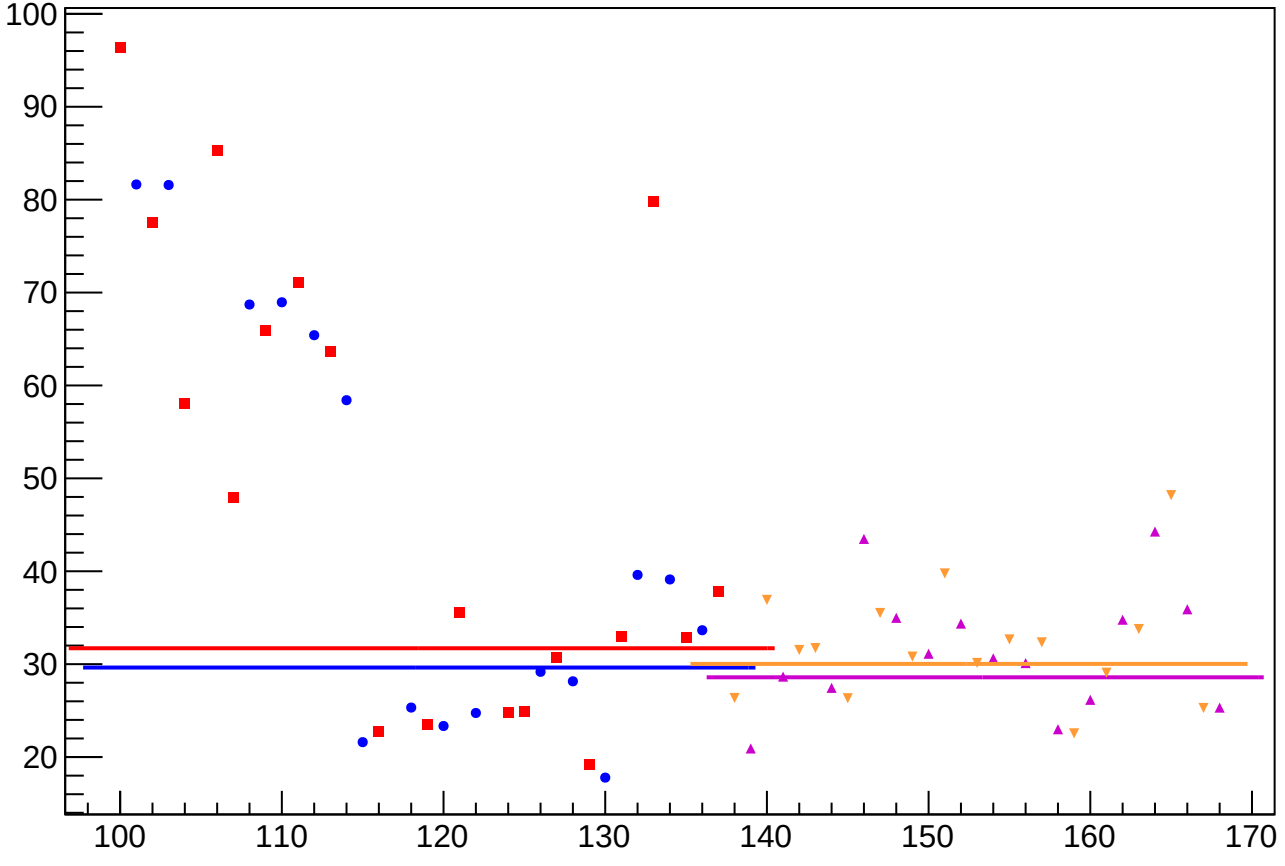
Left In: -0.003+/-0.008 χ^2/NDF:21.9/14

+ sign 0.009+/-0.007 χ^2/NDF: 43.4/31

All: 0.005+/-0.005 χ^2/NDF: 79.2/65

- sign 0.000+/-0.007 χ^2/NDF: 34.9/33

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.027+/-0.006 χ^2/NDF:690474.5/15

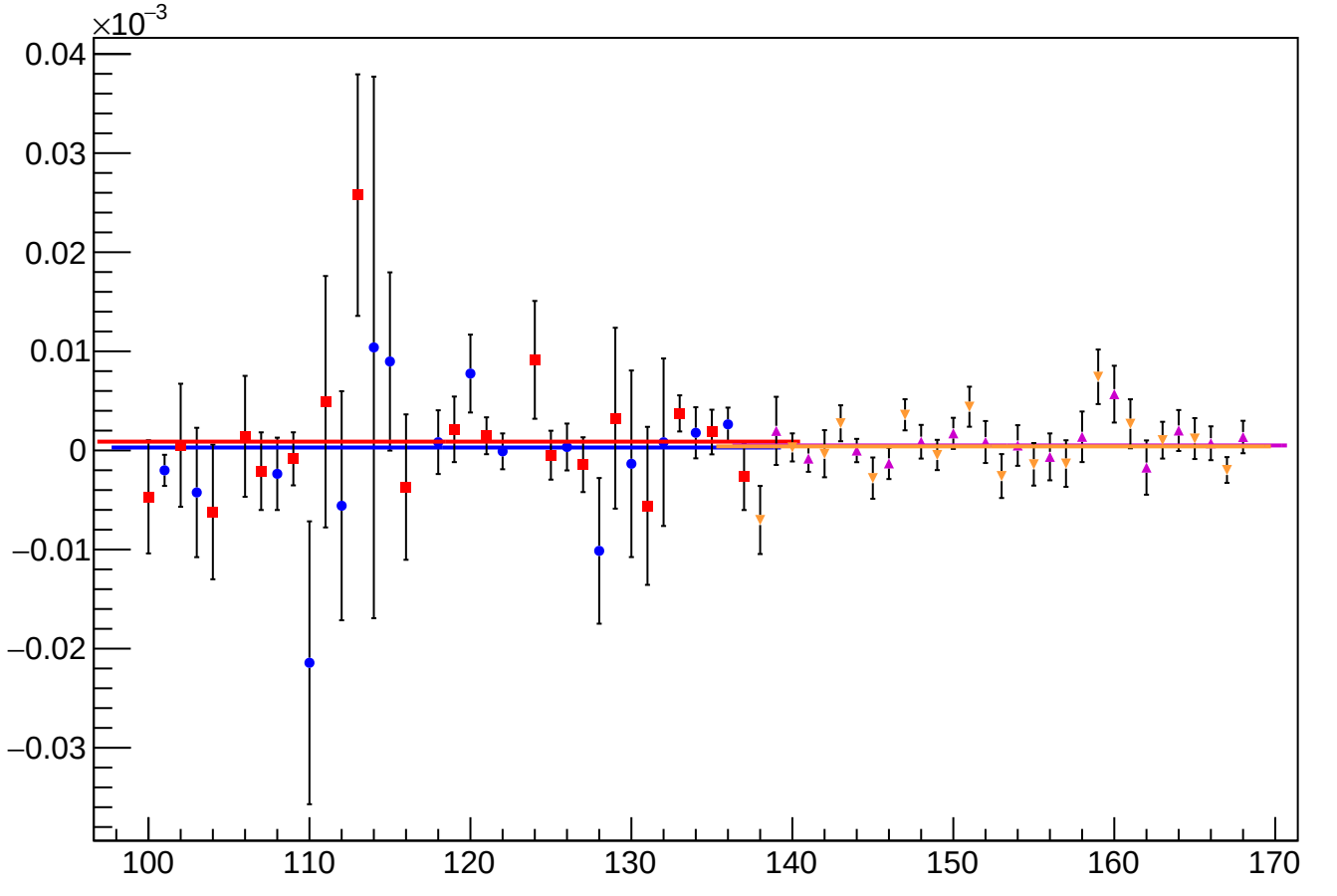
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.585+/-0.006 χ^2/NDF:897394.9/14

+ sign 29.898+/-0.005 χ^2/NDF: 3140253.8/31

All: 29.696+/-0.004 χ^2/NDF: 6771391.6/65

- sign 29.495+/-0.005 χ^2/NDF: 3627971.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/15

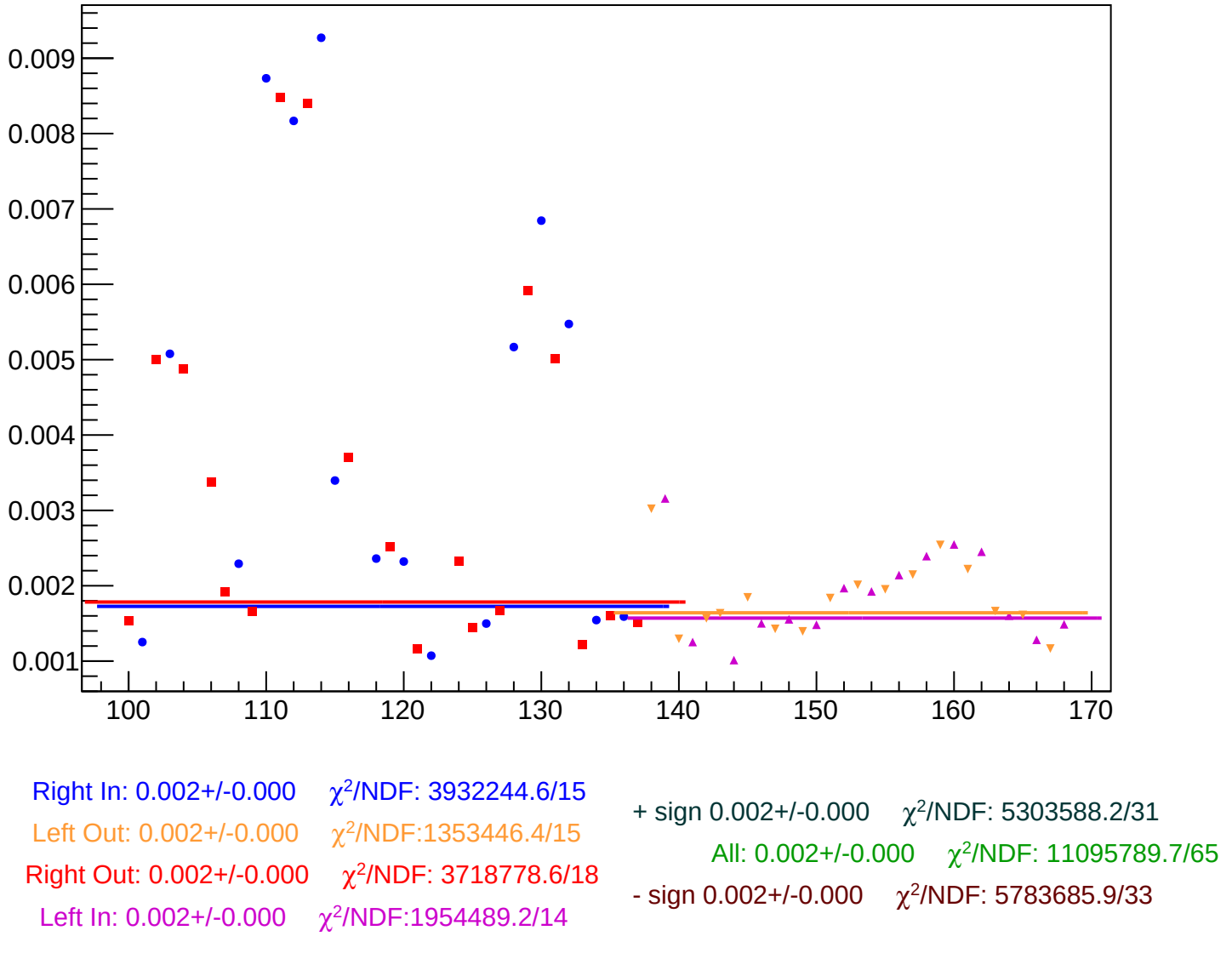
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

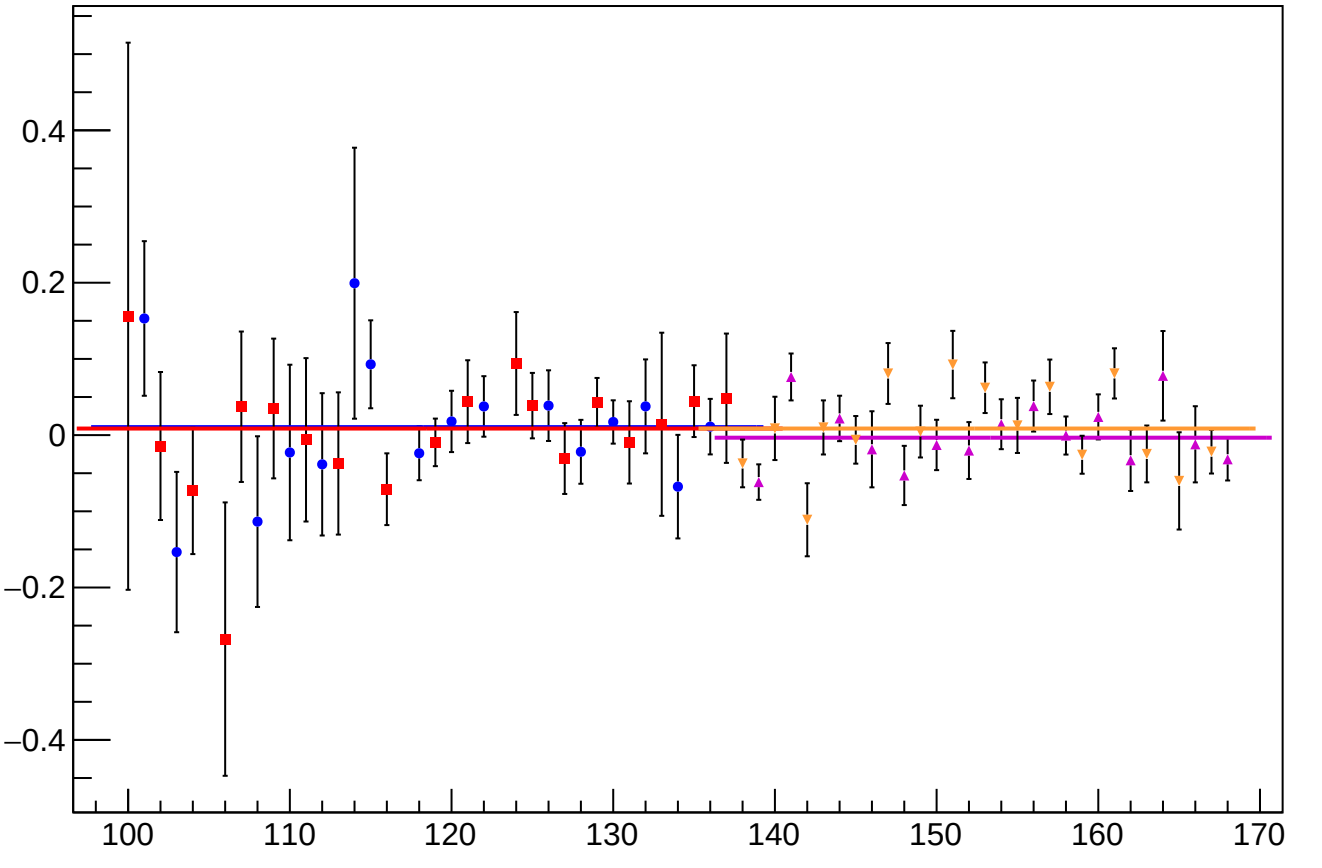
Left In: 0.000+/-0.000 χ^2/NDF:8.4/14

+ sign 0.000+/-0.000 χ^2/NDF: 46.0/31

All: 0.000+/-0.000 χ^2/NDF: 70.2/65

- sign 0.000+/-0.000 χ^2/NDF: 24.0/33


asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 3932244.6/15
Left Out: 0.002+/-0.000 χ²/NDF:1353446.4/15
Right Out: 0.002+/-0.000 χ²/NDF: 3718778.6/18
Left In: 0.002+/-0.000 χ²/NDF:1954489.2/14
+ sign 0.002+/-0.000 χ²/NDF: 5303588.2/31
All: 0.002+/-0.000 χ²/NDF: 11095789.7/65
- sign 0.002+/-0.000 χ²/NDF: 5783685.9/33



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.009+/-0.009 χ^2/NDF:30.3/15

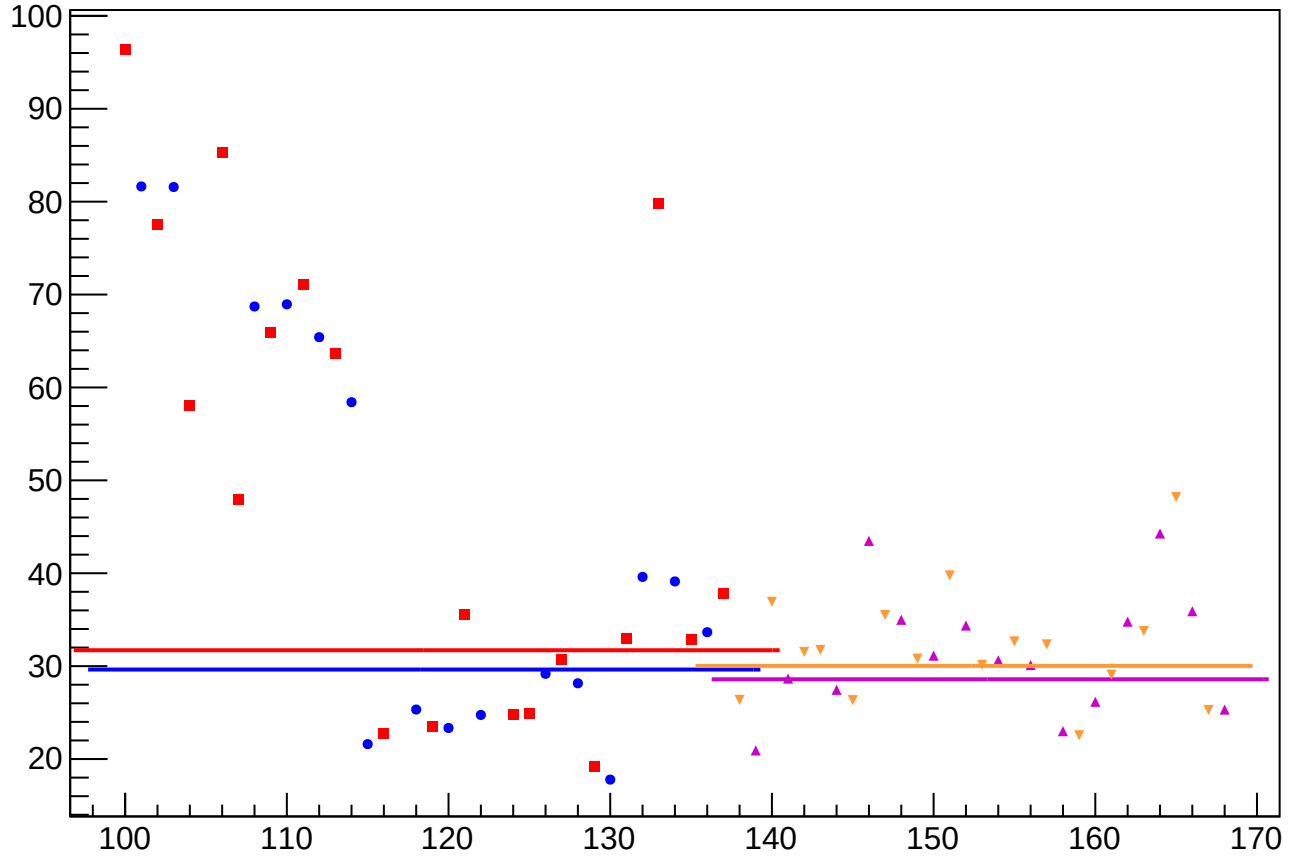
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.008 χ^2/NDF:21.9/14

+ sign 0.009+/-0.007 χ^2/NDF: 43.4/31

All: 0.005+/-0.005 χ^2/NDF: 79.2/65

- sign 0.000+/-0.007 χ^2/NDF: 34.9/33



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.027+/-0.006 χ^2/NDF:690486.0/15

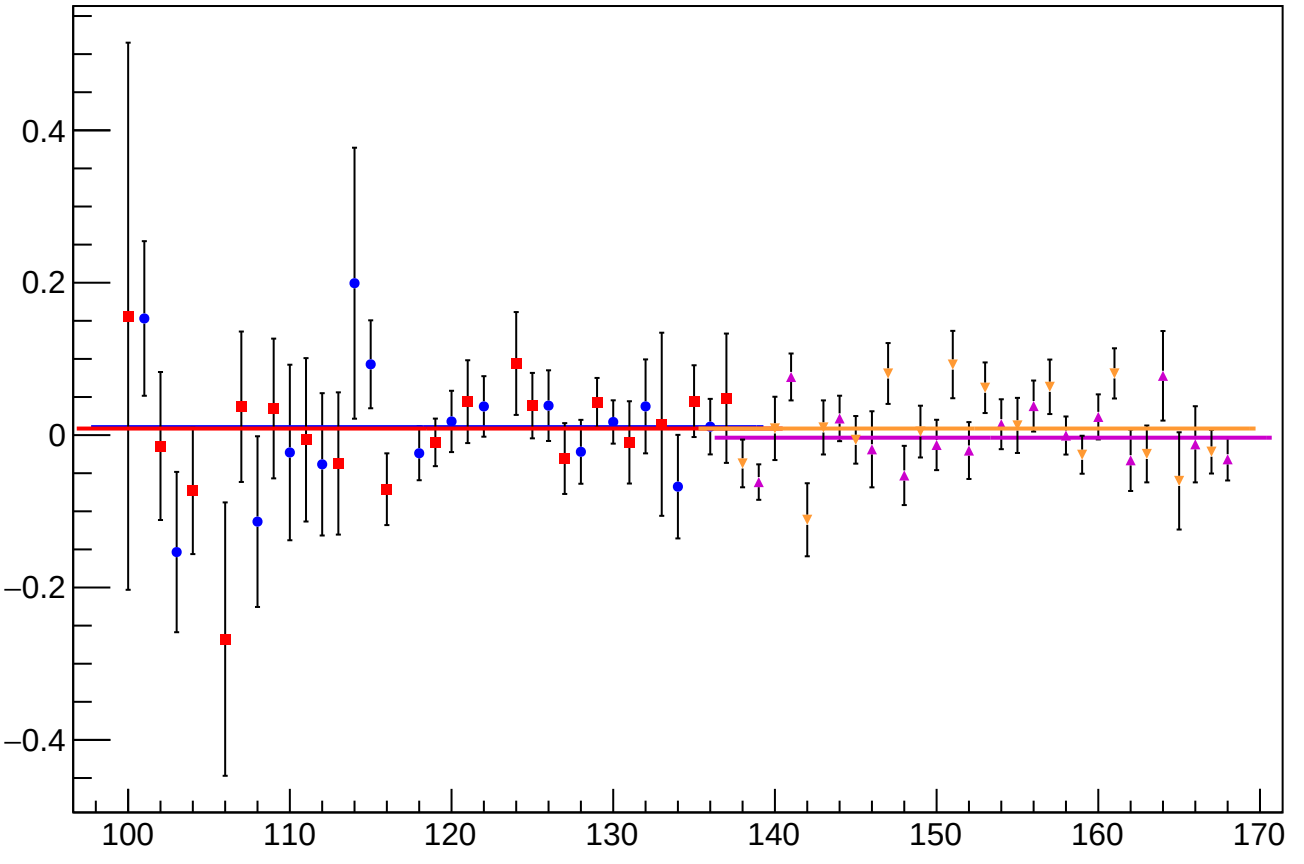
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.585+/-0.006 χ^2/NDF:897417.4/14

+ sign 29.898+/-0.005 χ^2/NDF: 3140478.0/31

All: 29.695+/-0.004 χ^2/NDF: 6771724.6/65

- sign 29.495+/-0.005 χ^2/NDF: 3628082.8/33



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.009+/-0.009 χ^2/NDF:30.3/15

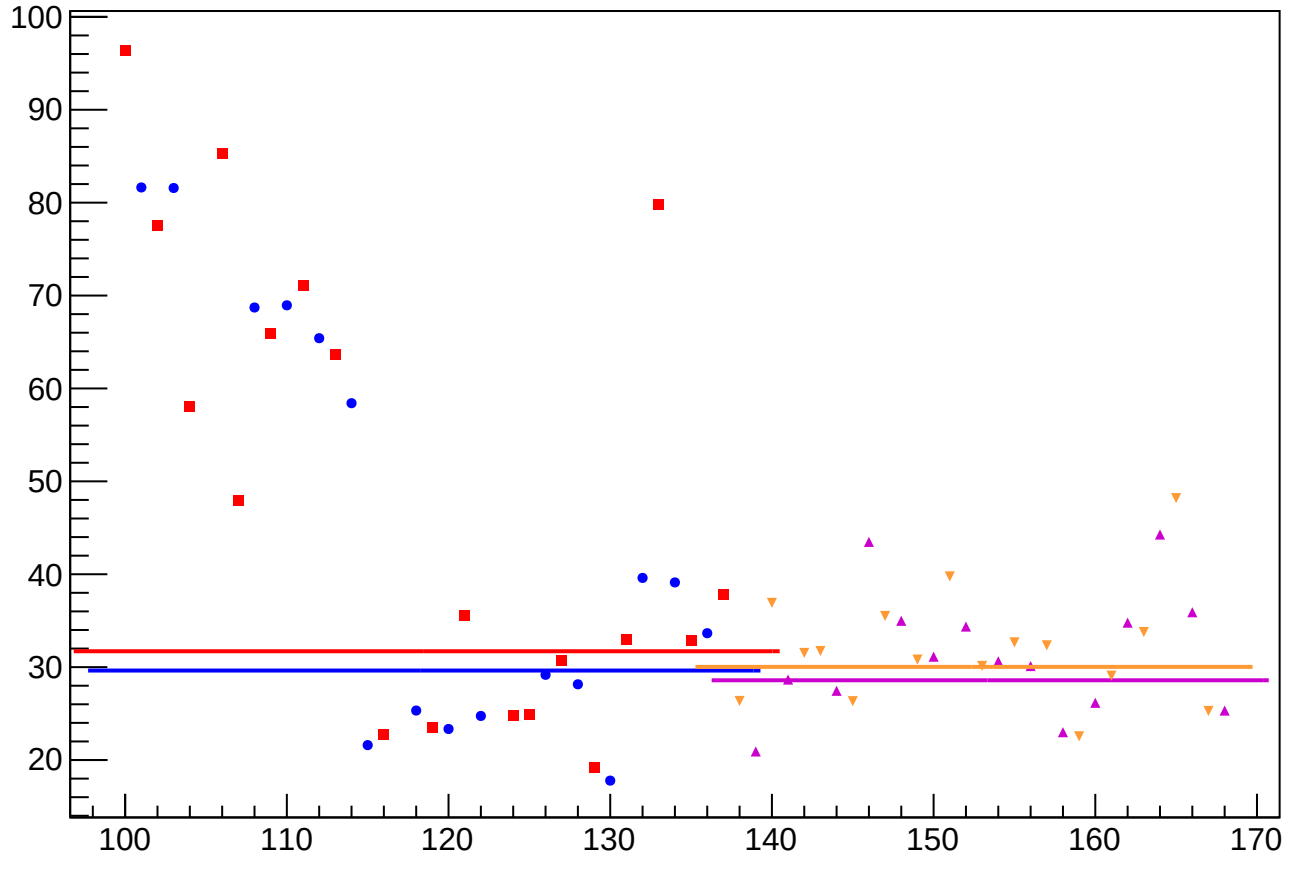
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.008 χ^2/NDF:21.9/14

+ sign 0.009+/-0.007 χ^2/NDF: 43.4/31

All: 0.005+/-0.005 χ^2/NDF: 79.2/65

- sign 0.000+/-0.007 χ^2/NDF: 34.9/33



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.027+/-0.006 χ^2/NDF:690486.0/15

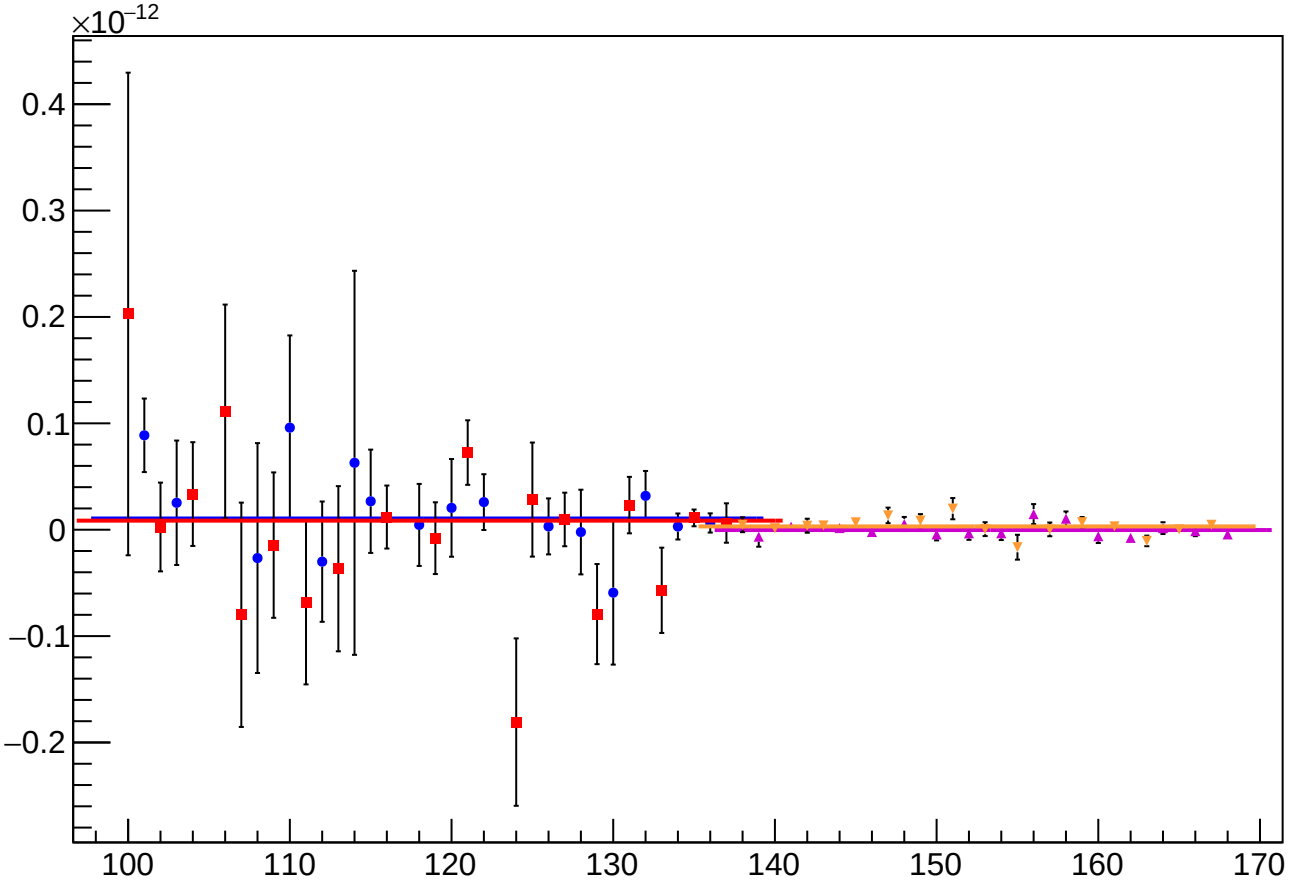
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.585+/-0.006 χ^2/NDF:897417.4/14

+ sign 29.898+/-0.005 χ^2/NDF: 3140478.0/31

All: 29.695+/-0.004 χ^2/NDF: 6771724.6/65

- sign 29.495+/-0.005 χ^2/NDF: 3628082.8/33



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/15

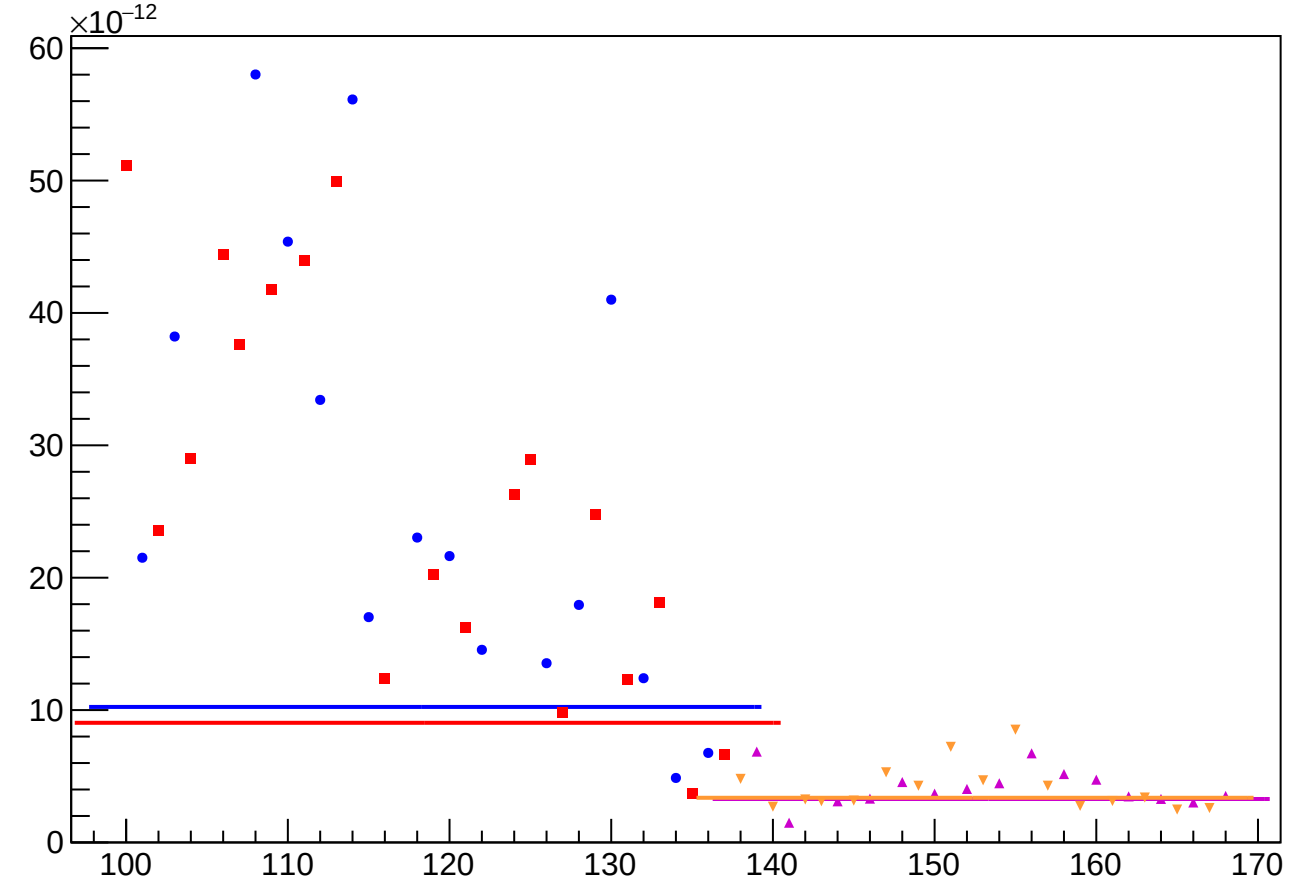
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 30.1/31

All: 0.000+/-0.000 χ^2/NDF: 70.2/65

- sign 0.000+/-0.000 χ^2/NDF: 36.7/33



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1361446.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

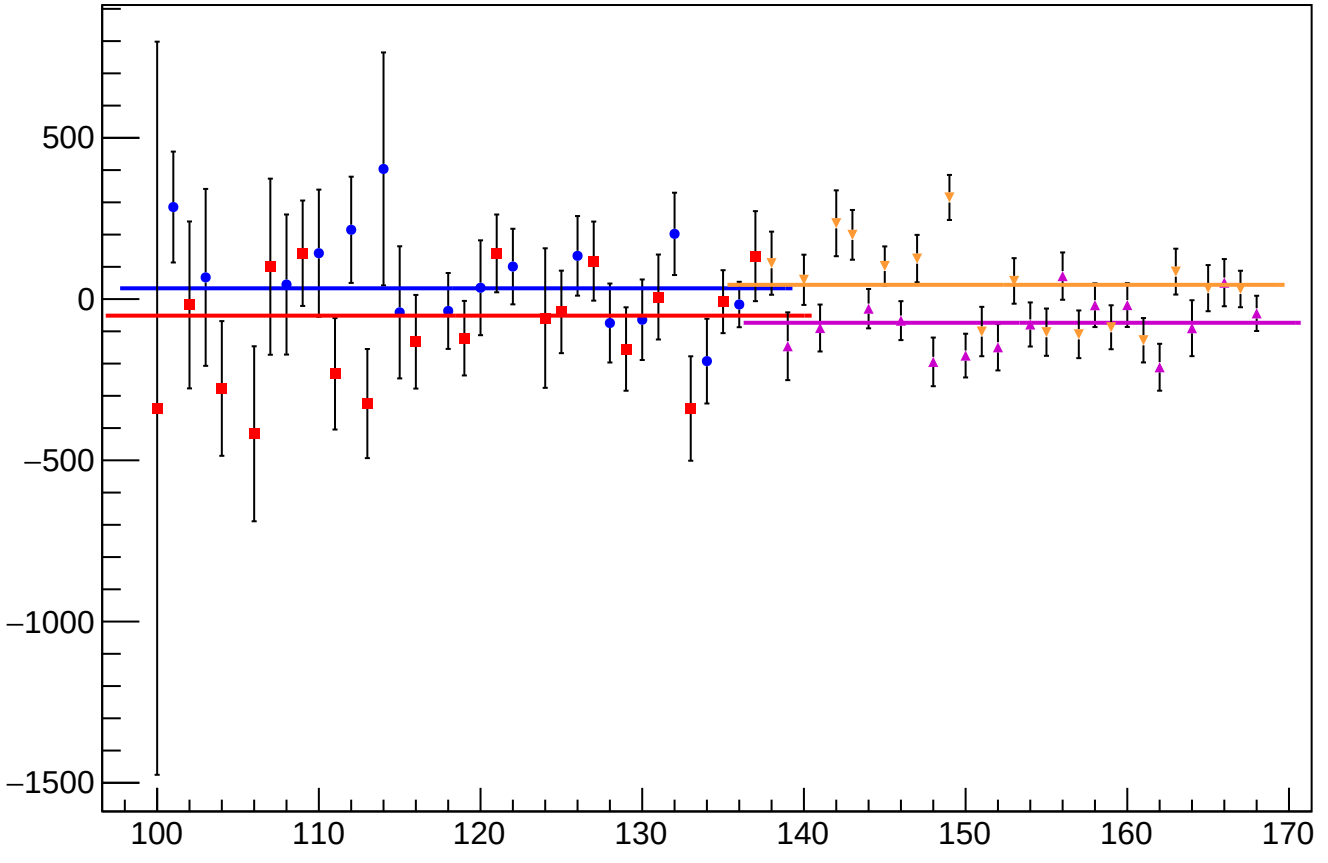
Left In: 0.000+/-0.000 χ^2/NDF:1900590.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 7374446.2/31

All: 0.000+/-0.000 χ^2/NDF: 15602896.7/65

- sign 0.000+/-0.000 χ^2/NDF: 8216867.2/33

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 44.237+/-18.059 χ^2/NDF:47.5/15

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

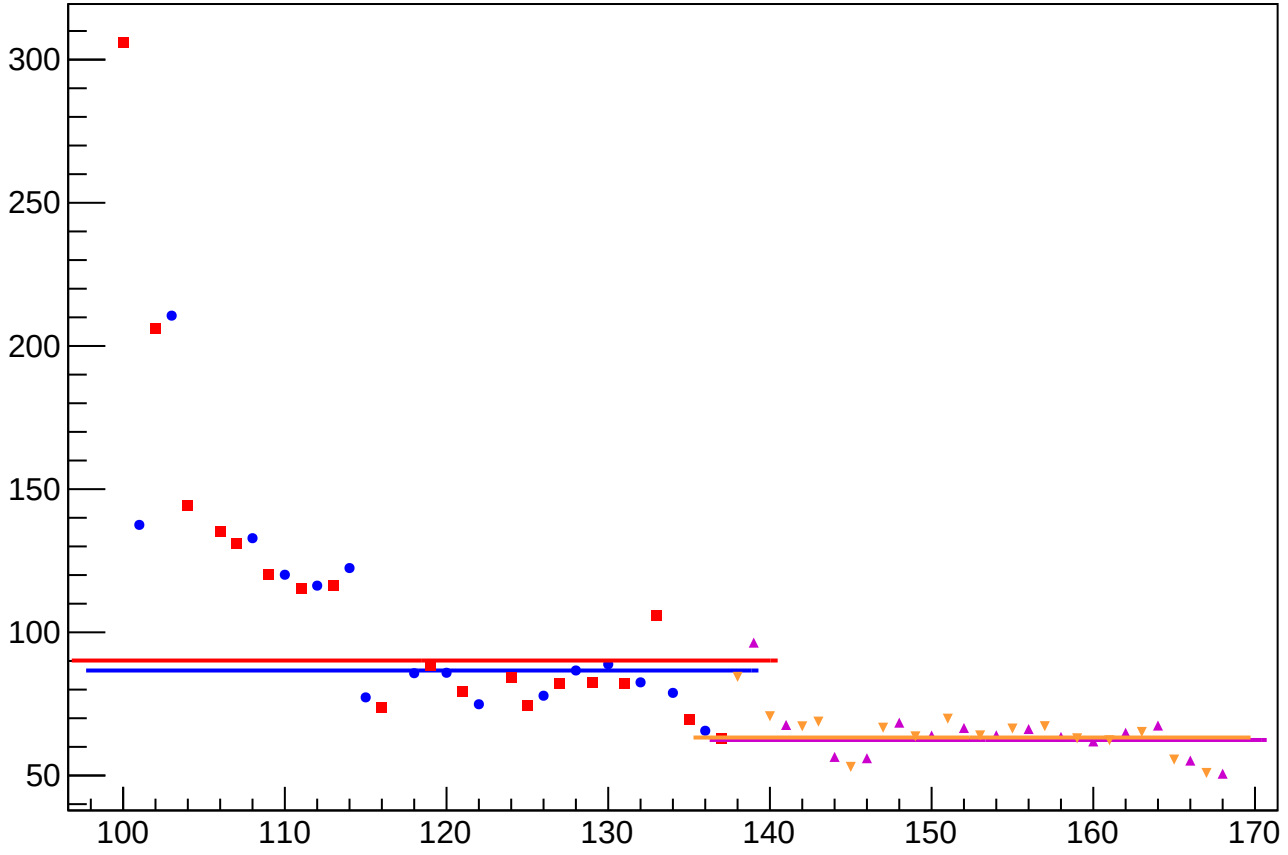
Left In: -73.479+/-17.995 χ^2/NDF:19.0/14

+ sign 41.846+/-15.937 χ^2/NDF: 60.4/31

All: -13.303+/-11.288 χ^2/NDF: 123.3/65

- sign -68.818+/-15.990 χ^2/NDF: 38.9/33

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 63.263+/-0.013 χ^2/NDF:331702.0/15

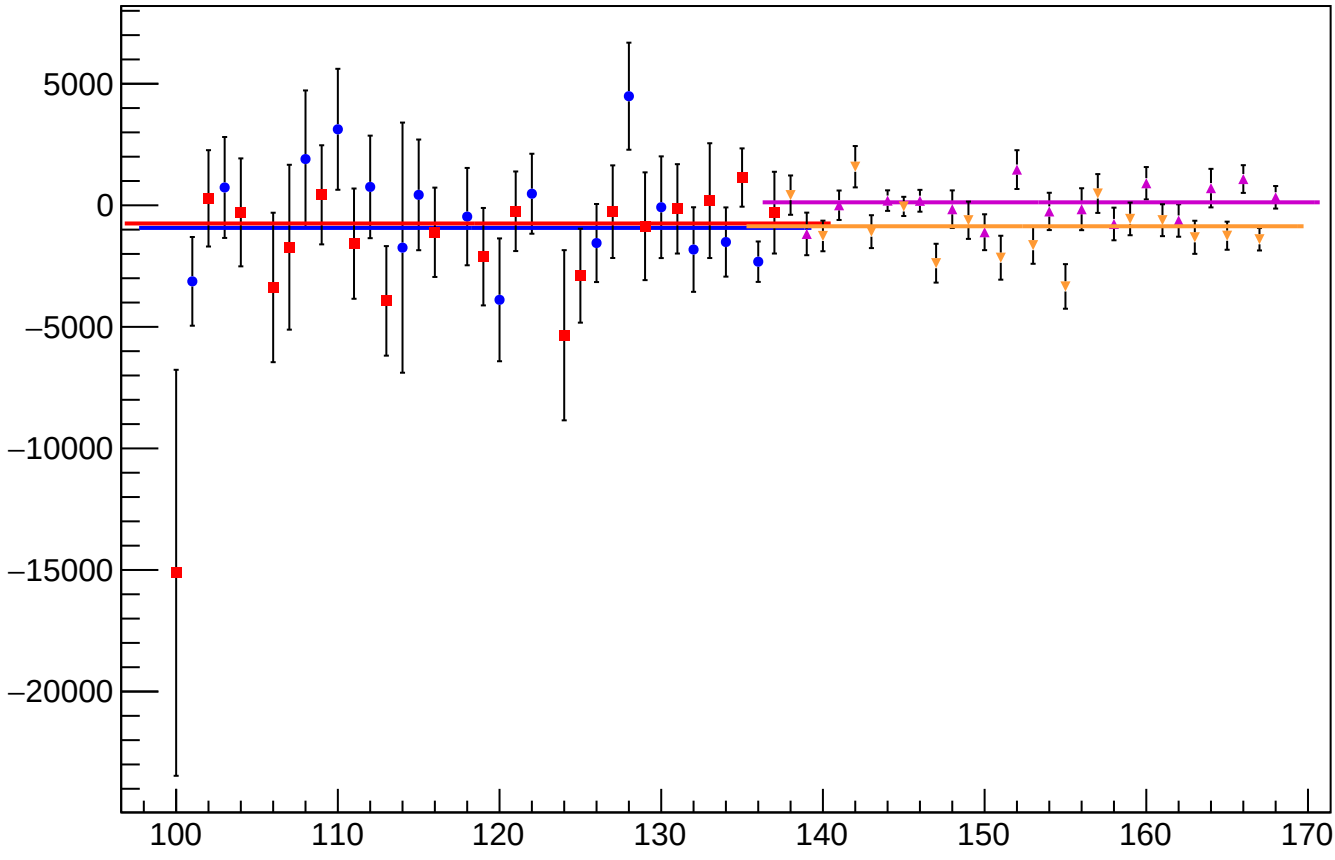
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 62.407+/-0.013 χ^2/NDF:410242.9/14

+ sign 68.441+/-0.011 χ^2/NDF: 2113680.9/31

All: 68.345+/-0.008 χ^2/NDF: 4674836.6/65

- sign 68.248+/-0.011 χ^2/NDF: 2561009.3/33



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -861.937+/-163.586 χ^2/NDF:35.1/15

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

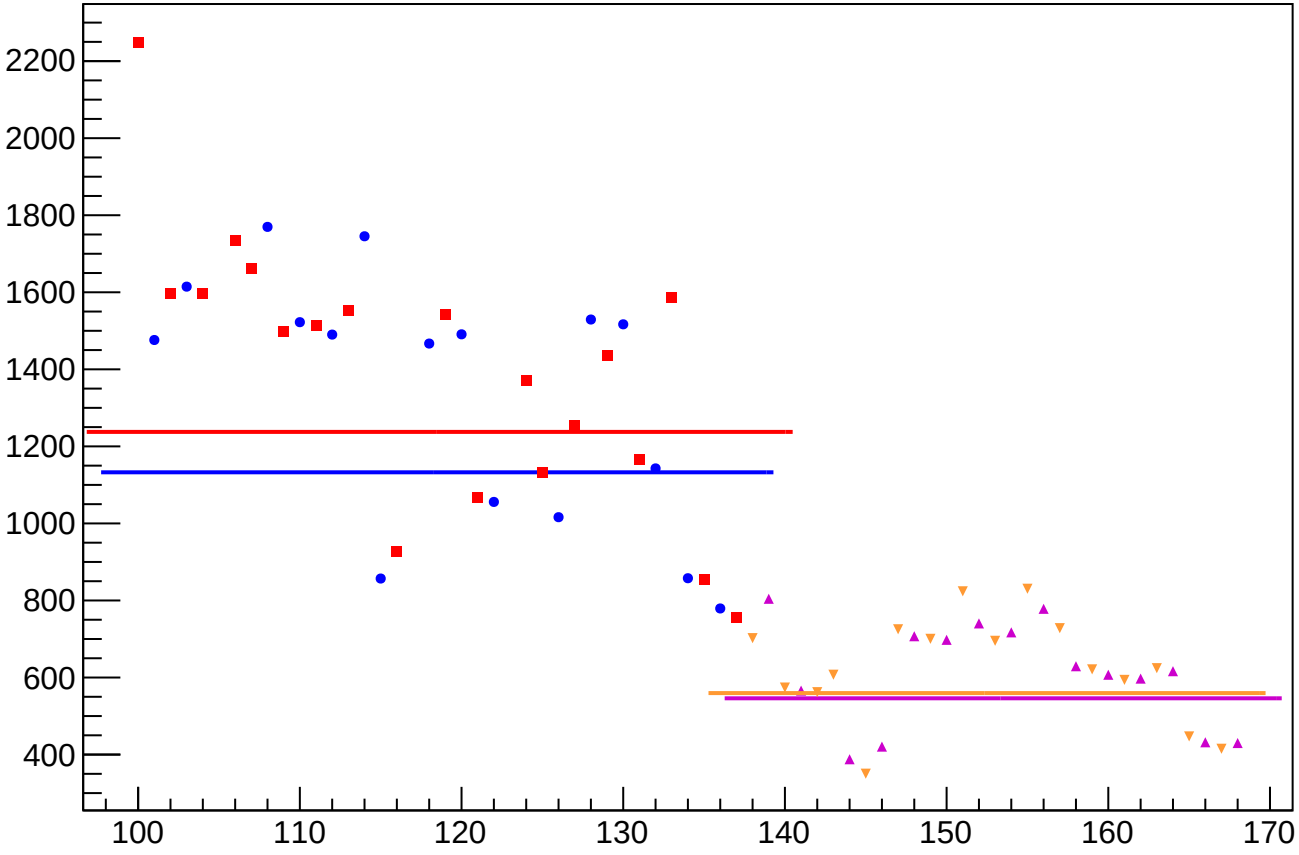
Left In: 123.065+/-160.646 χ^2/NDF:16.4/14

\+ sign -870.152+/-153.369 χ^2/NDF: 53.6/31

All: -415.207+/-107.940 χ^2/NDF: 103.5/65

\- sign 31.298+/-151.940 χ^2/NDF: 32.5/33

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 559.612+/-0.116 χ^2/NDF:1597356.8/15

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

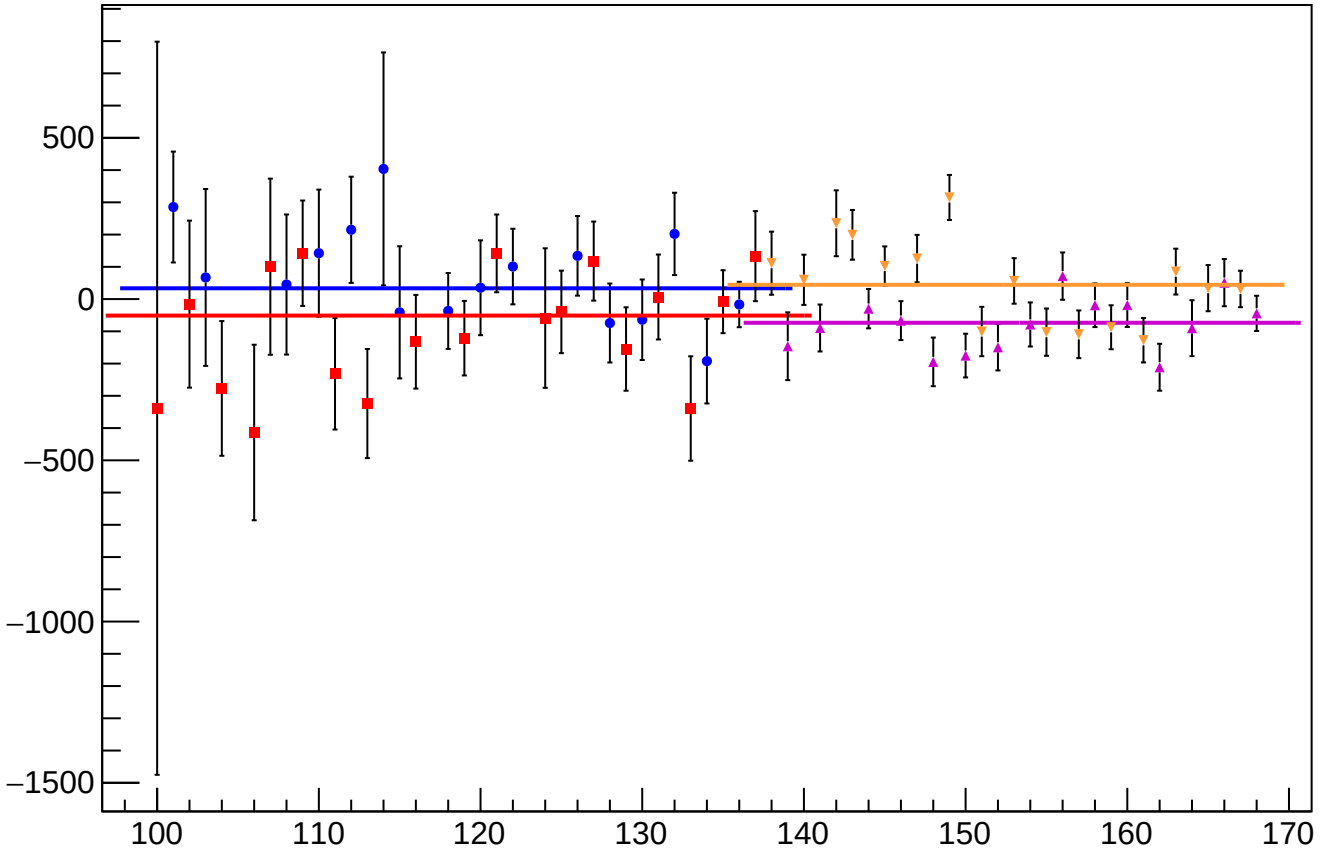
Left In: 546.055+/-0.114 χ^2/NDF:1427812.6/14

+ sign 628.958+/-0.108 χ^2/NDF: 5691623.8/31

All: 623.920+/-0.076 χ^2/NDF: 11927033.8/65

- sign 618.975+/-0.107 χ^2/NDF: 6231133.7/33

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 44.240+/-18.059 χ^2/NDF:47.5/15

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

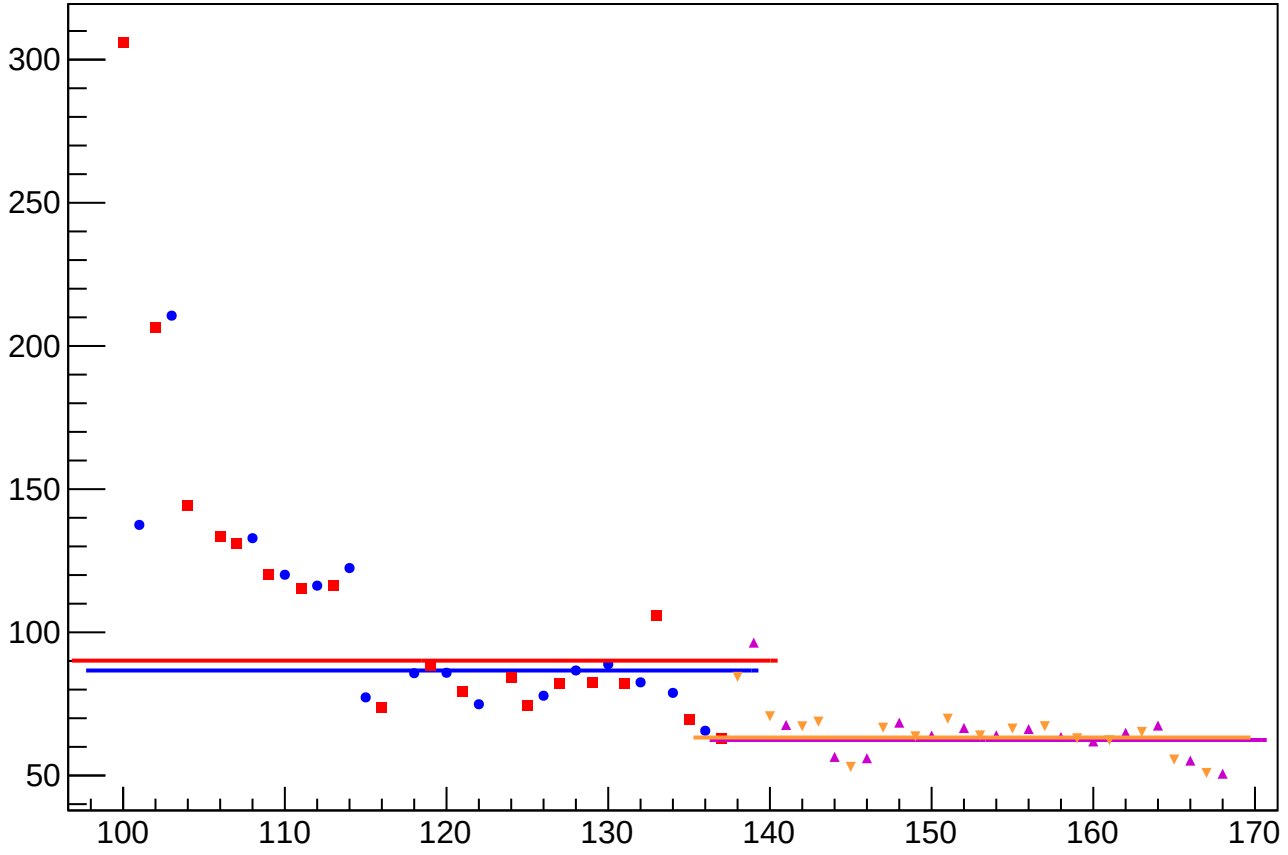
Left In: -73.478+/-17.995 χ^2/NDF:19.0/14

+ sign 41.847+/-15.937 χ^2/NDF: 60.4/31

All: -13.287+/-11.288 χ^2/NDF: 123.3/65

- sign -68.787+/-15.990 χ^2/NDF: 38.9/33

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 63.263+/-0.013 χ^2/NDF:331702.0/15

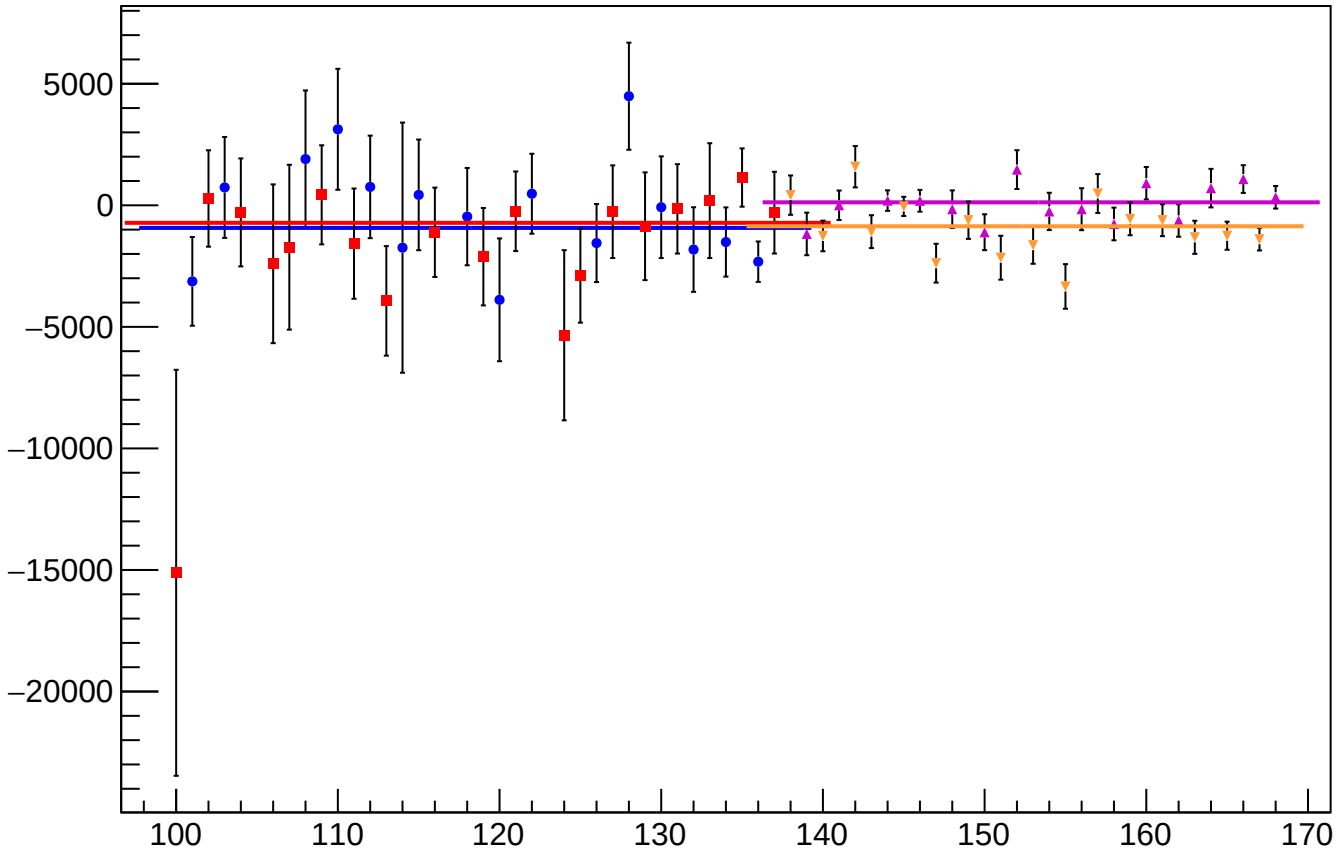
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 62.407+/-0.013 χ^2/NDF:410242.9/14

+ sign 68.441+/-0.011 χ^2/NDF: 2113683.3/31

All: 68.340+/-0.008 χ^2/NDF: 4667388.5/65

- sign 68.239+/-0.011 χ^2/NDF: 2553545.9/33



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -861.932+/-163.586 χ^2/NDF:35.1/15

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

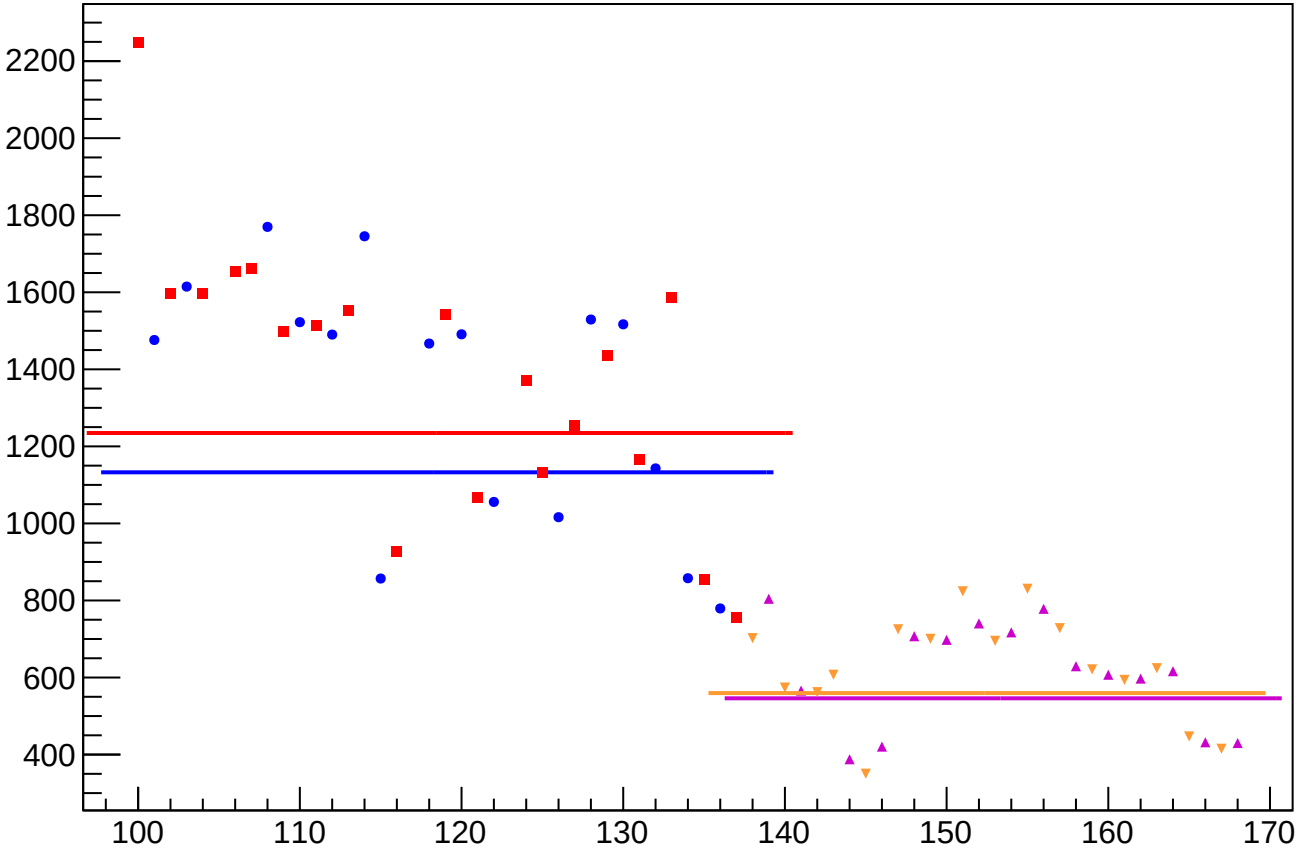
Left In: 123.065+/-160.646 χ^2/NDF:16.4/14

+ sign -870.143+/-153.369 χ^2/NDF: 53.6/31

All: -413.743+/-107.947 χ^2/NDF: 103.0/65

- sign 34.320+/-151.962 χ^2/NDF: 31.8/33

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 559.612+/-0.116 χ^2/NDF:1597361.2/15

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

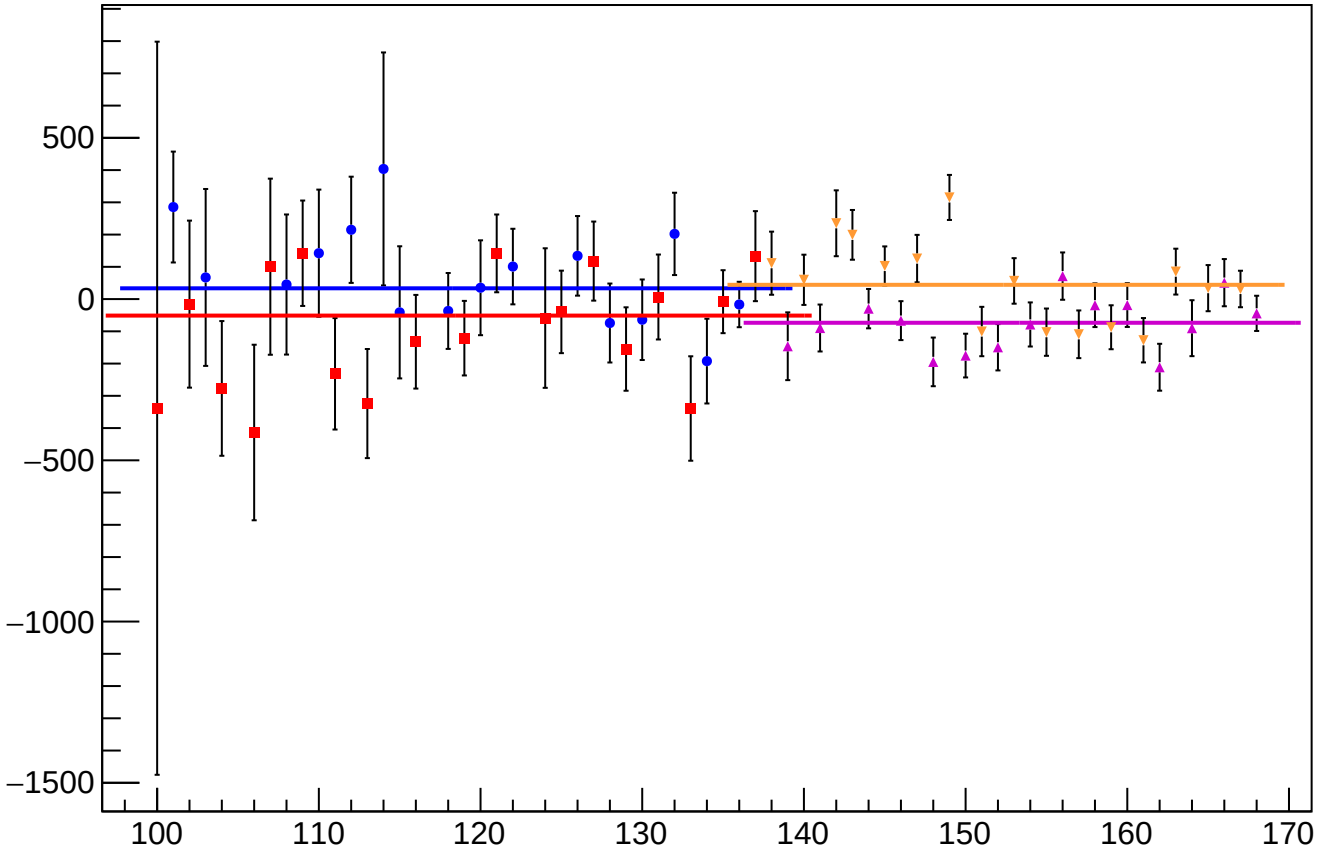
Left In: 546.055+/-0.114 χ^2/NDF:1427811.1/14

+ sign 628.958+/-0.108 χ^2/NDF: 5691667.4/31

All: 623.678+/-0.076 χ^2/NDF: 11866511.9/65

- sign 618.495+/-0.107 χ^2/NDF: 6170147.8/33

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 44.240+/-18.059 χ^2/NDF:47.5/15

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

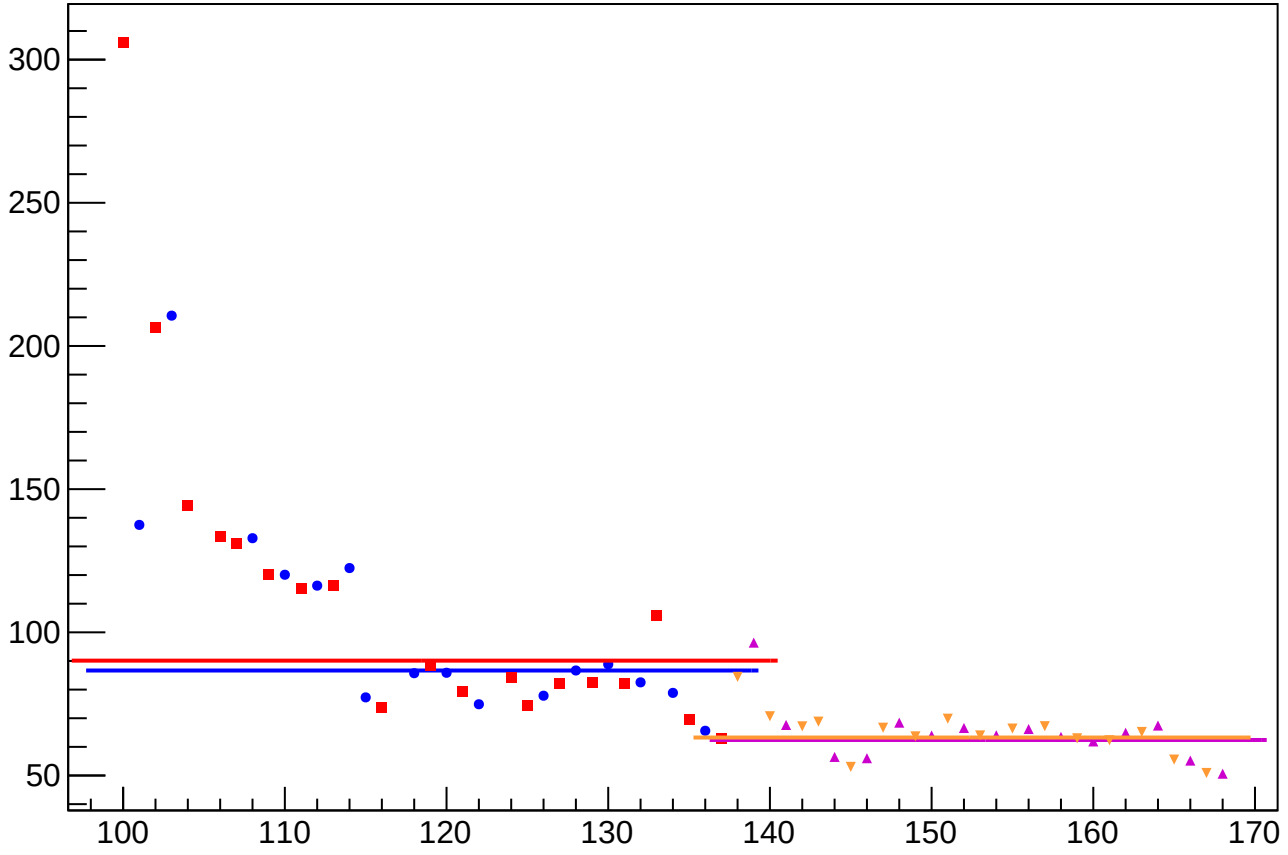
Left In: -73.478+/-17.995 χ^2/NDF:19.0/14

+ sign 41.847+/-15.937 χ^2/NDF: 60.4/31

All: -13.287+/-11.288 χ^2/NDF: 123.3/65

- sign -68.787+/-15.990 χ^2/NDF: 38.9/33

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 63.263+/-0.013 χ^2/NDF:331702.0/15

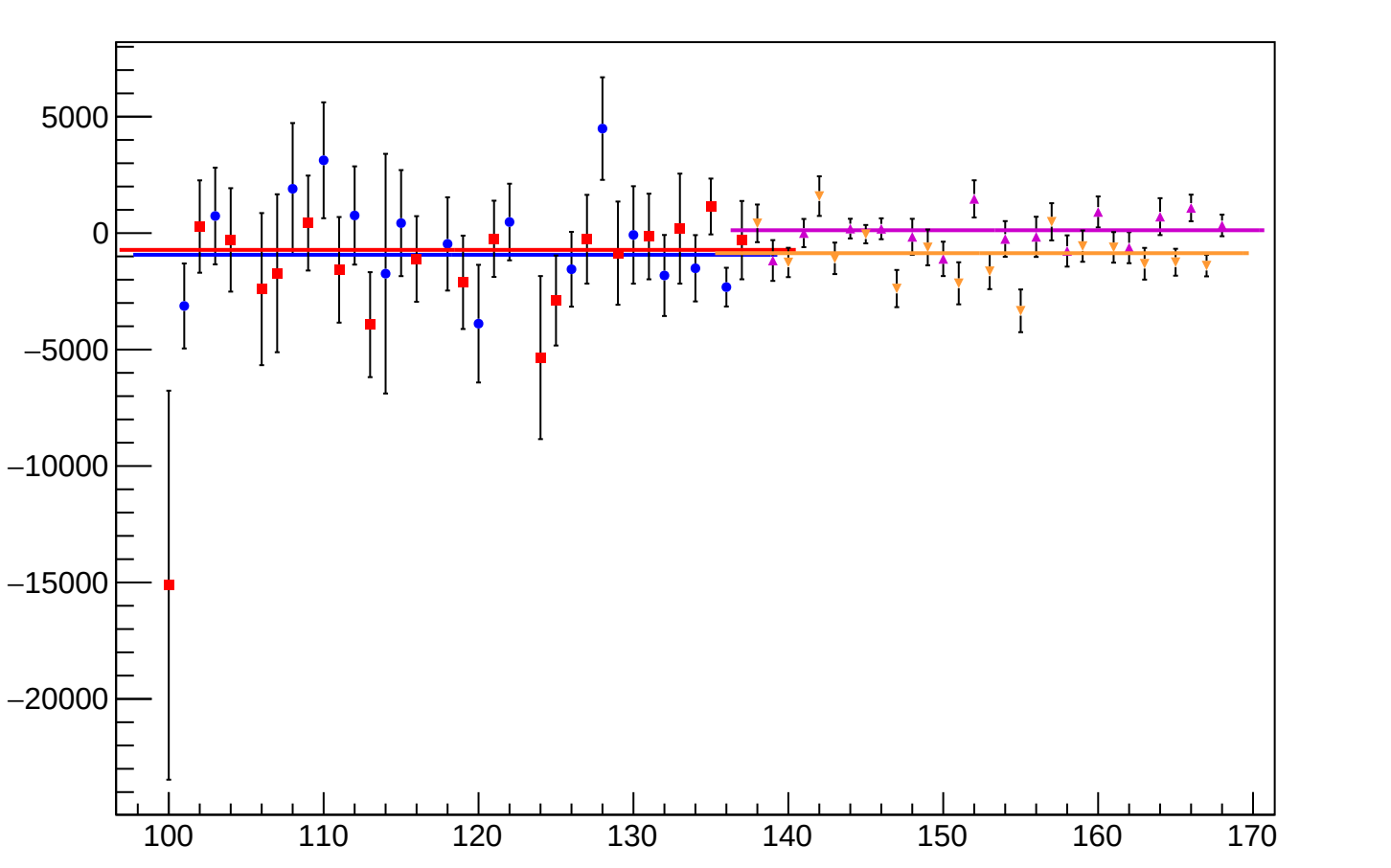
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 62.407+/-0.013 χ^2/NDF:410242.9/14

+ sign 68.441+/-0.011 χ^2/NDF: 2113683.3/31

All: 68.340+/-0.008 χ^2/NDF: 4667388.5/65

- sign 68.239+/-0.011 χ^2/NDF: 2553545.9/33



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -861.932+/-163.586 χ^2/NDF:35.1/15

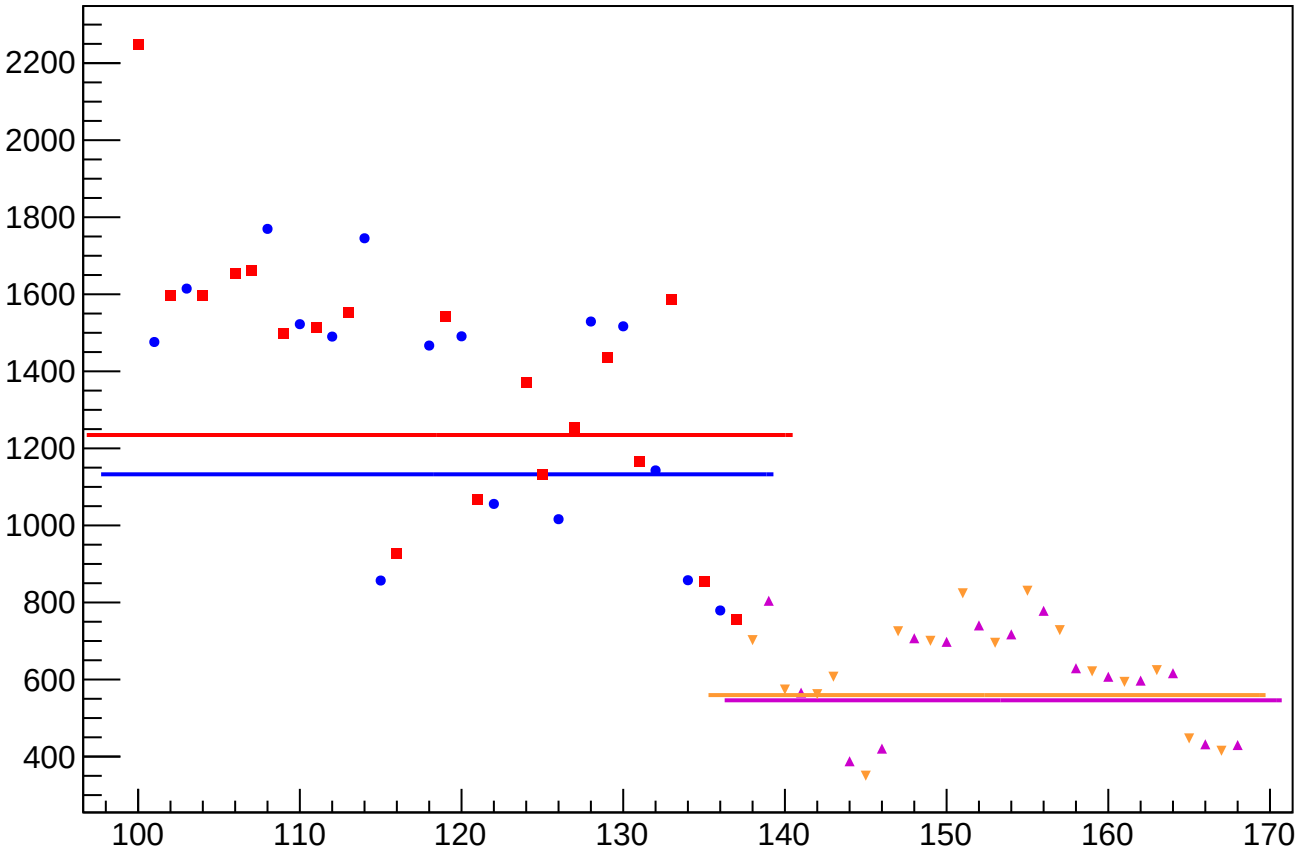
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 123.065+/-160.646 χ^2/NDF:16.4/14

+ sign -870.143+/-153.369 χ^2/NDF: 53.6/31

All: -413.743+/-107.947 χ^2/NDF: 103.0/65

- sign 34.320+/-151.962 χ^2/NDF: 31.8/33



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 559.612+/-0.116 χ^2/NDF:1597361.2/15

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

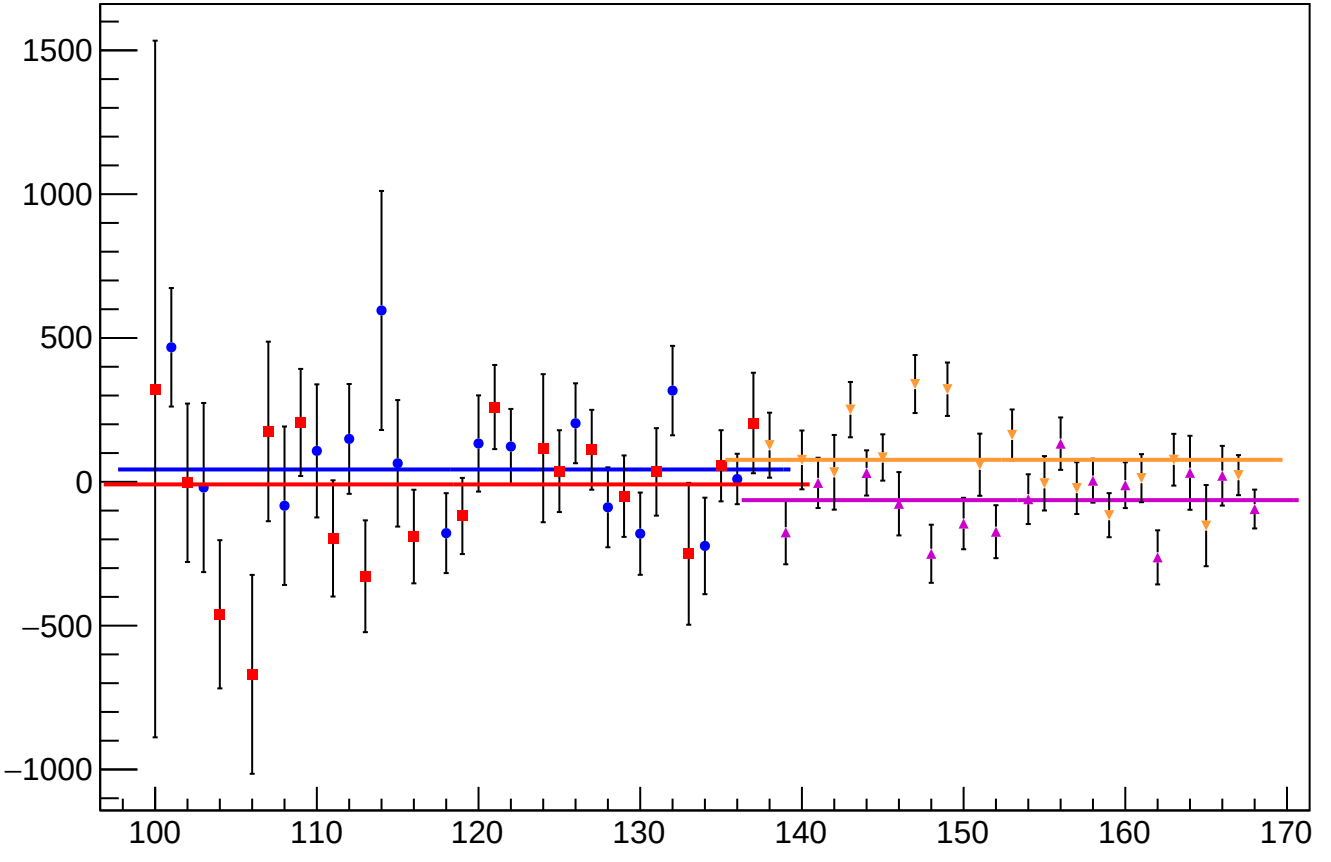
Left In: 546.055+/-0.114 χ^2/NDF:1427811.1/14

+ sign 628.958+/-0.108 χ^2/NDF: 5691667.4/31

All: 623.678+/-0.076 χ^2/NDF: 11866511.9/65

- sign 618.495+/-0.107 χ^2/NDF: 6170147.8/33

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 76.441+/-23.236 χ^2/NDF:30.5/15

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

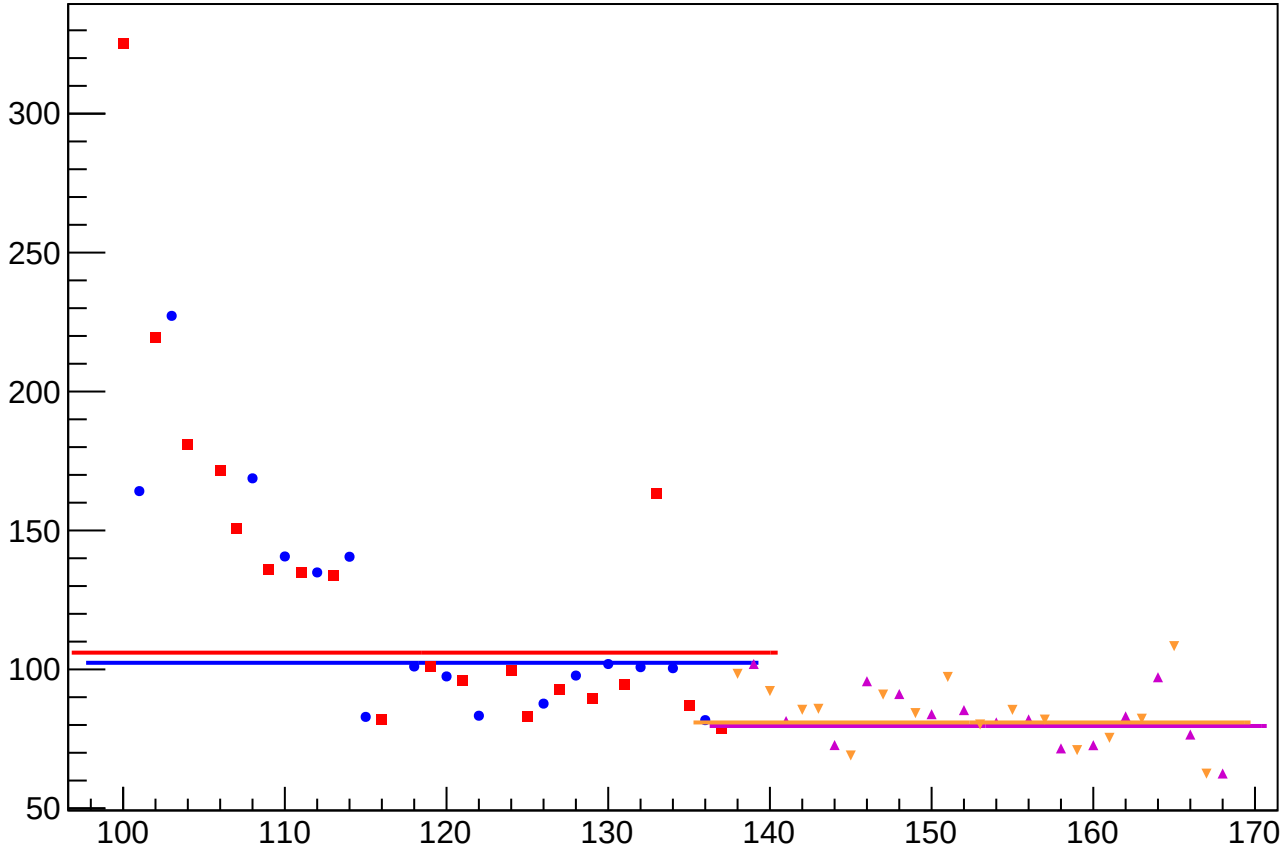
Left In: -63.717+/-23.147 χ^2/NDF:20.4/14

+ sign 67.966+/-20.085 χ^2/NDF: 51.3/31

All: 8.955+/-14.230 χ^2/NDF: 111.7/65

- sign -50.519+/-20.164 χ^2/NDF: 43.0/33

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 80.906+/-0.016 χ^2/NDF:455701.8/15

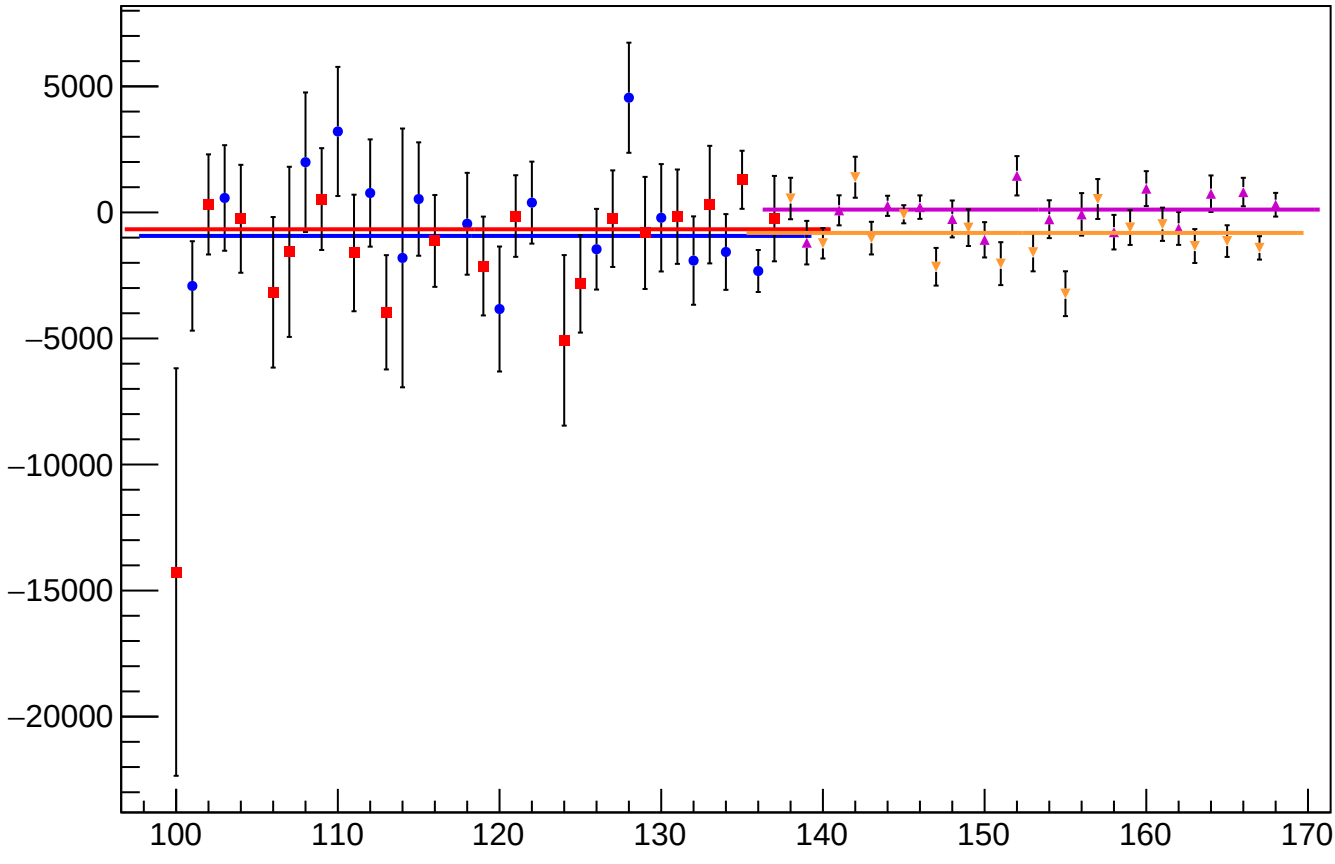
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 79.639+/-0.016 χ^2/NDF:386912.4/14

+ sign 86.334+/-0.014 χ^2/NDF: 1869778.1/31

All: 86.170+/-0.010 χ^2/NDF: 4075348.0/65

- sign 86.004+/-0.014 χ^2/NDF: 2205301.3/33



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -812.566+/-159.405 χ^2/NDF:34.4/15

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

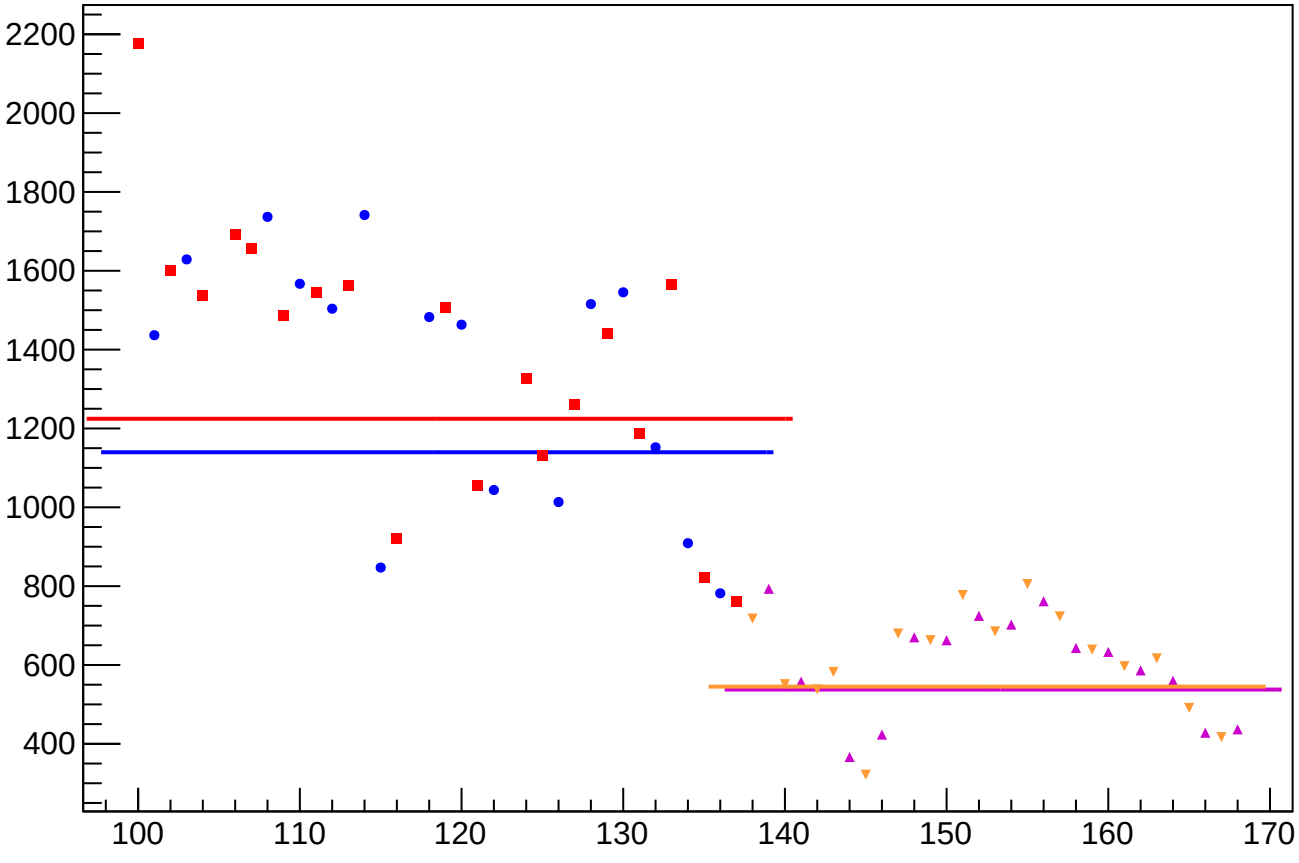
Left In: 112.258+/-158.382 χ^2/NDF:15.8/14

+ sign -826.316+/-149.979 χ^2/NDF: 53.0/31

All: -397.561+/-106.010 χ^2/NDF: 101.1/65

- sign 30.532+/-149.863 χ^2/NDF: 31.8/33

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 545.175+/-0.113 χ^2/NDF:1716712.0/15

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

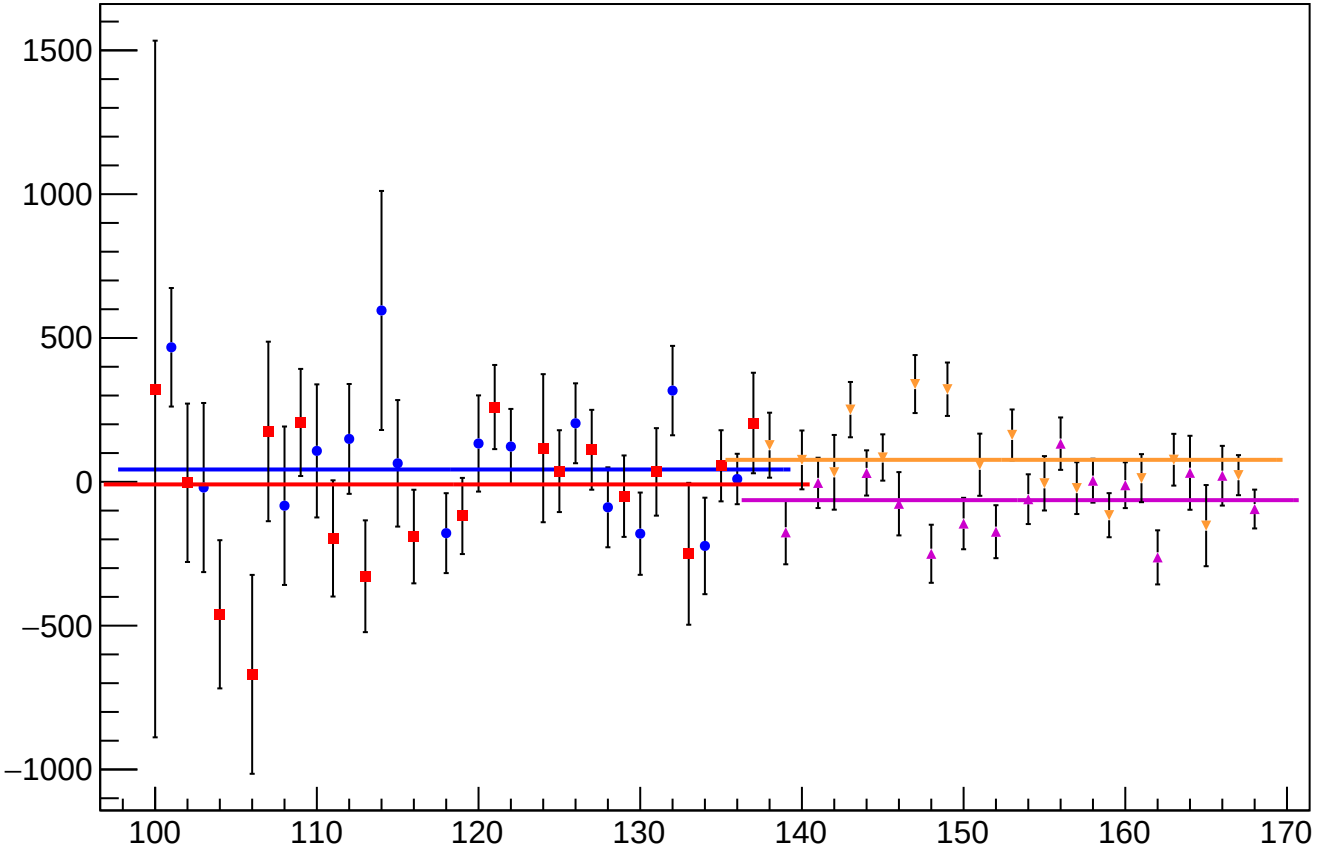
Left In: 537.654+/-0.112 χ^2/NDF:1410919.6/14

+ sign 613.398+/-0.106 χ^2/NDF: 6002411.6/31

All: 611.479+/-0.075 χ^2/NDF: 12274983.6/65

- sign 609.562+/-0.106 χ^2/NDF: 6271917.3/33

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 76.442+/-23.236 χ^2/NDF:30.5/15

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

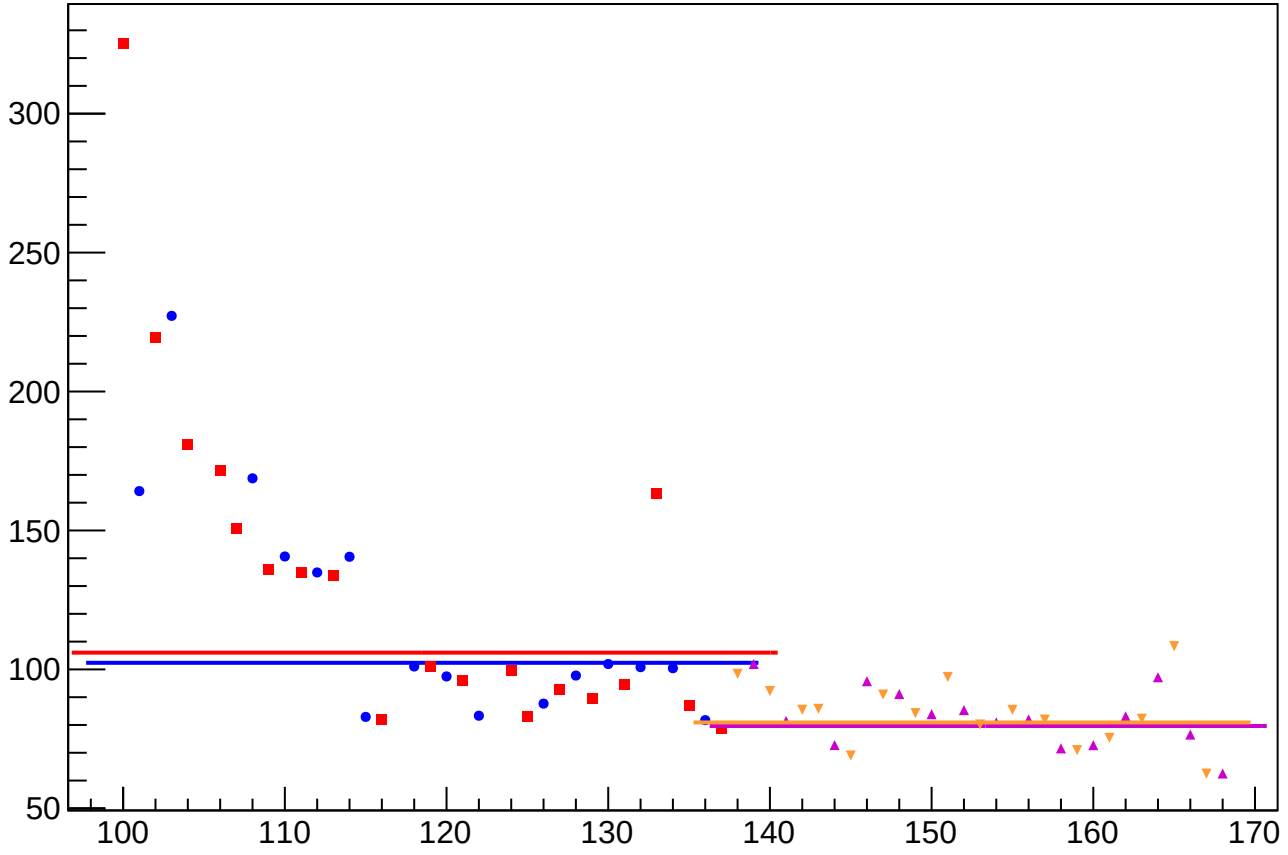
Left In: -63.715+/-23.147 χ^2/NDF:20.4/14

+ sign 67.966+/-20.085 χ^2/NDF: 51.3/31

All: 8.956+/-14.230 χ^2/NDF: 111.7/65

- sign -50.516+/-20.164 χ^2/NDF: 43.0/33

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 80.906+/-0.016 χ^2/NDF:455698.7/15

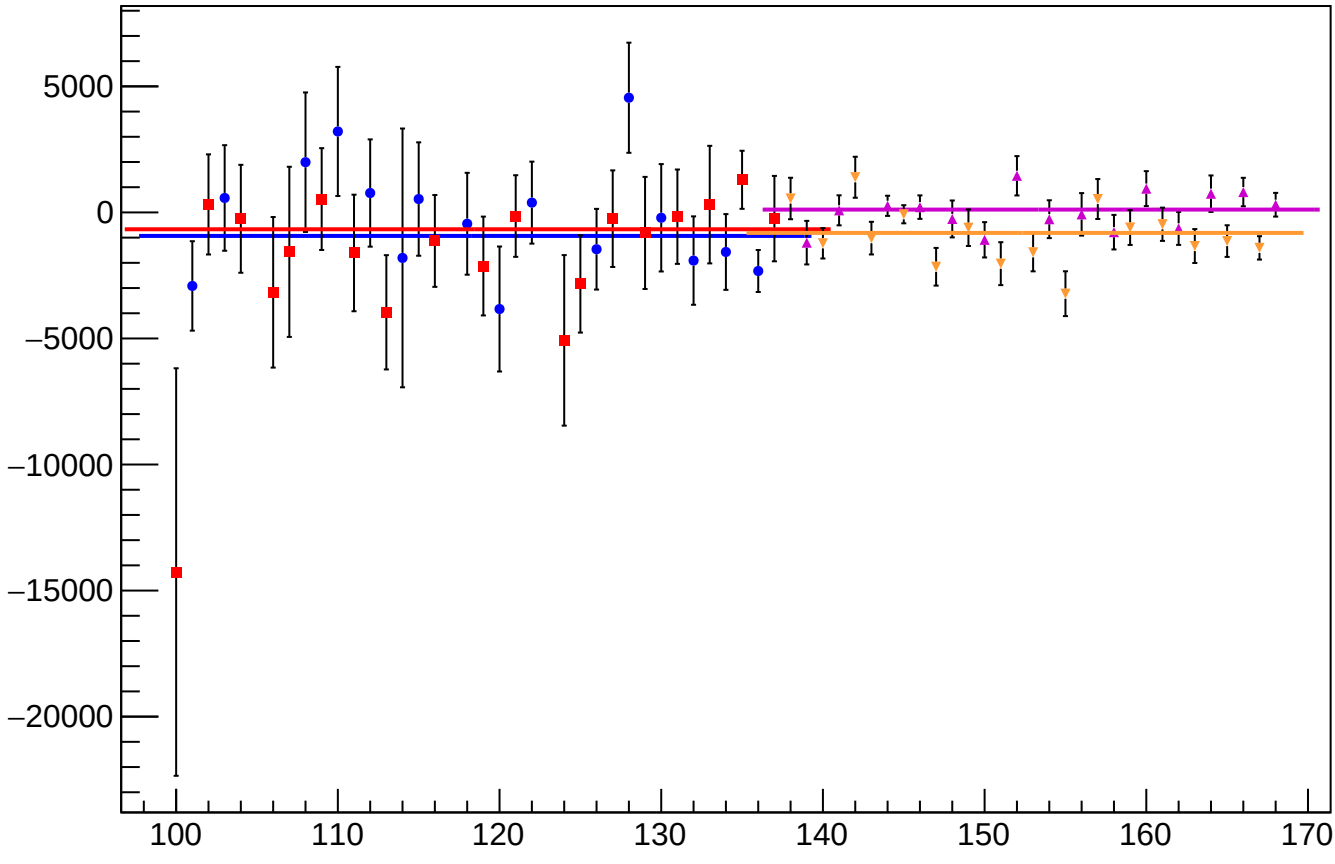
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 79.639+/-0.016 χ^2/NDF:386910.8/14

+ sign 86.334+/-0.014 χ^2/NDF: 1869751.5/31

All: 86.170+/-0.010 χ^2/NDF: 4075302.9/65

- sign 86.005+/-0.014 χ^2/NDF: 2205282.9/33



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -812.565+/-159.404 χ^2/NDF:34.4/15

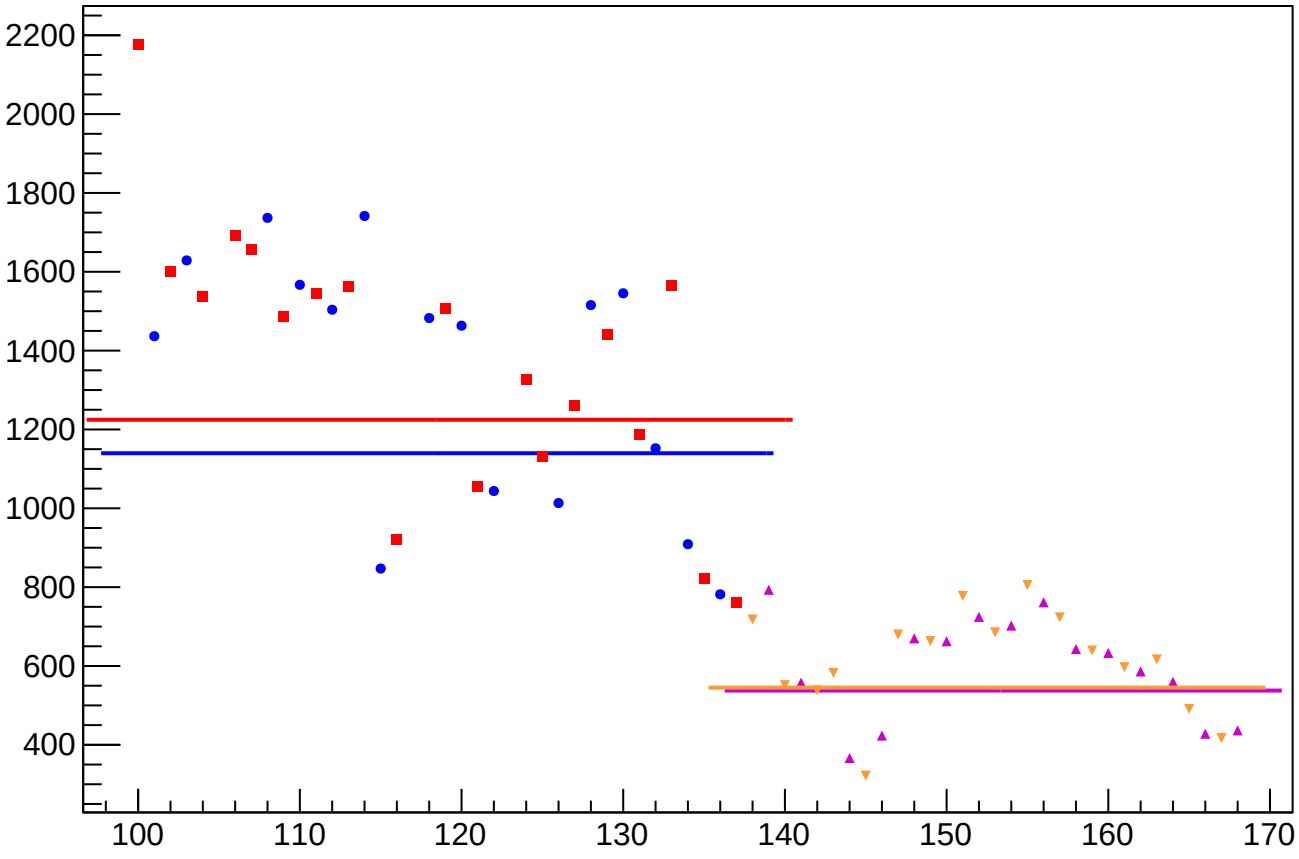
Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 112.259+/-158.381 χ^2/NDF:15.8/14

+ sign -826.314+/-149.979 χ^2/NDF: 53.0/31

All: -397.560+/-106.010 χ^2/NDF: 101.1/65

- sign 30.533+/-149.863 χ^2/NDF: 31.8/33



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 545.174+/-0.113 χ^2/NDF:1716726.8/15

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

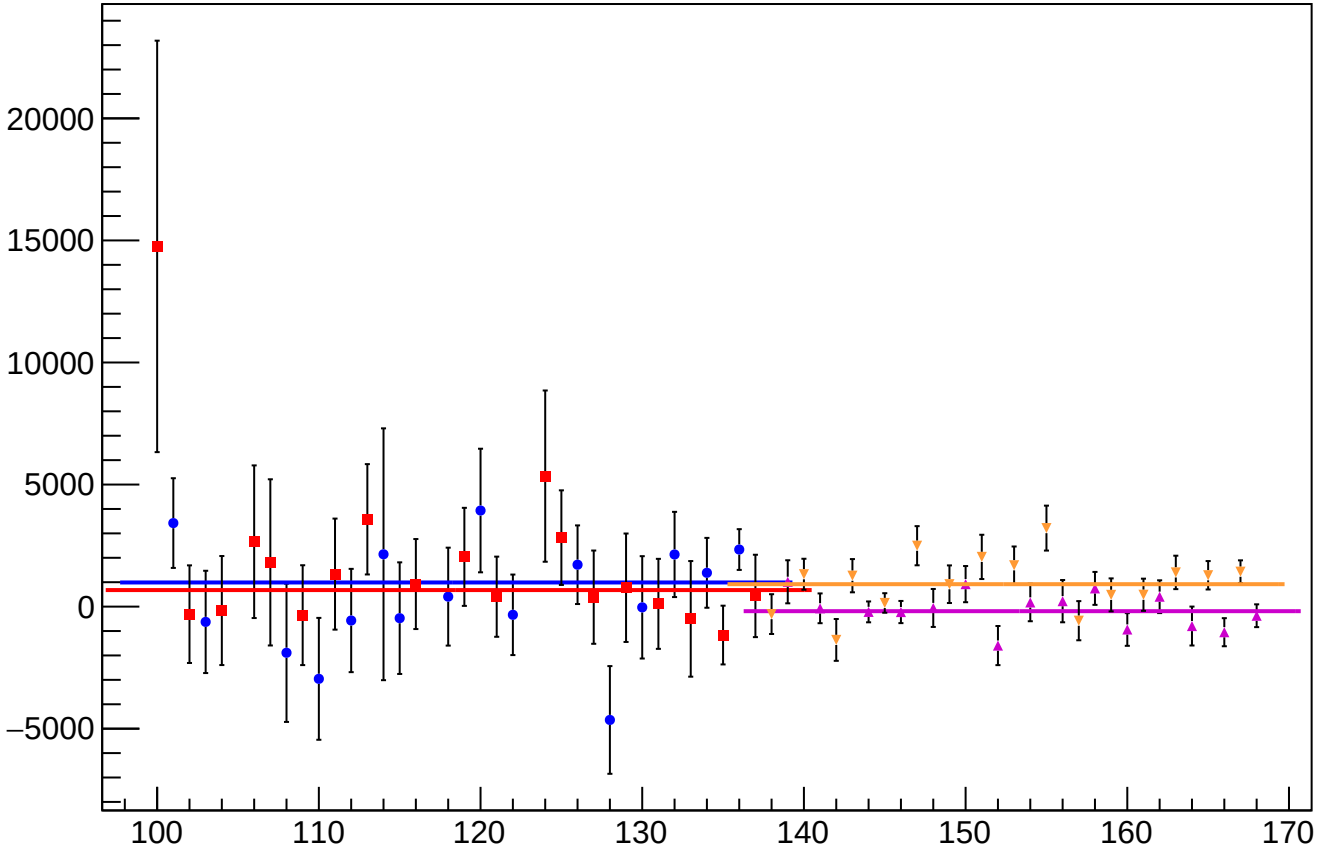
Left In: 537.654+/-0.112 χ^2/NDF:1410920.8/14

+ sign 613.397+/-0.106 χ^2/NDF: 6002419.3/31

All: 611.478+/-0.075 χ^2/NDF: 12274979.4/65

- sign 609.562+/-0.106 χ^2/NDF: 6271905.5/33

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 919.063+/-164.763 χ^2/NDF:32.8/15

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

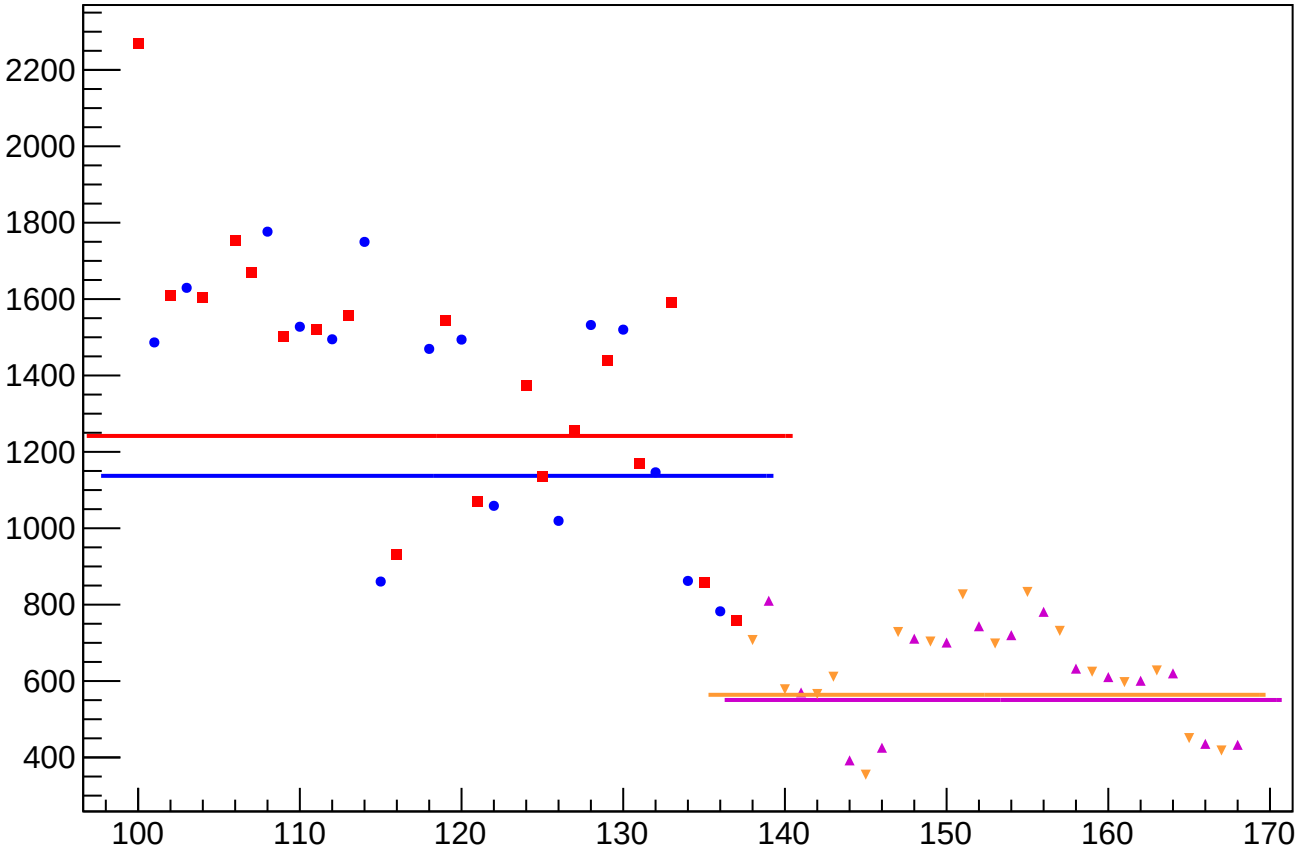
Left In: -186.609+/-161.840 χ^2/NDF:14.6/14

+ sign 927.614+/-154.412 χ^2/NDF: 51.9/31

All: 411.705+/-108.687 χ^2/NDF: 103.6/65

- sign -94.877+/-153.010 χ^2/NDF: 29.6/33

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 563.994+/-0.117 χ^2/NDF:1566978.6/15

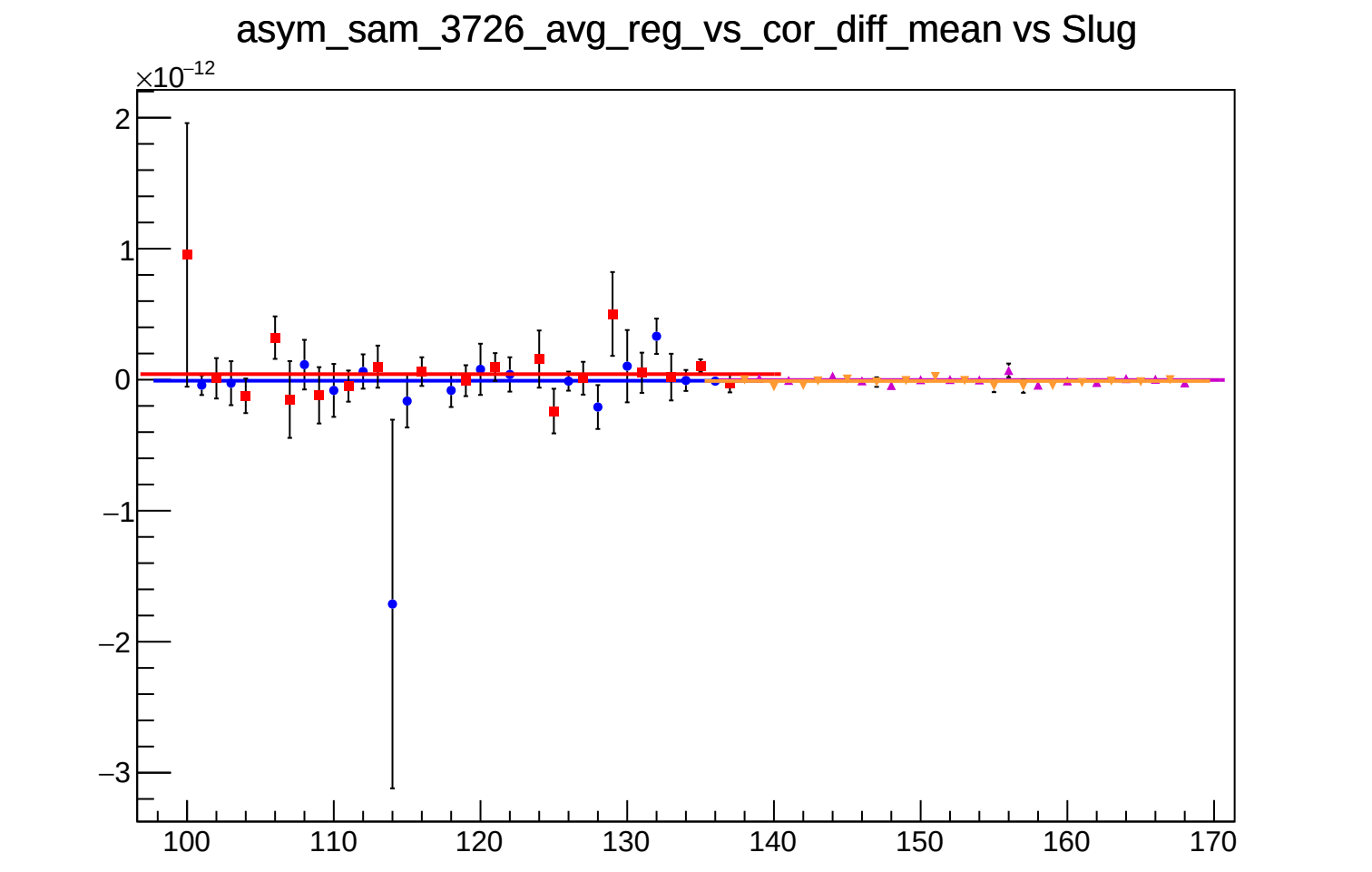
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 550.430+/-0.114 χ^2/NDF:1402191.6/14

+ sign 633.753+/-0.109 χ^2/NDF: 5636684.8/31

All: 628.733+/-0.077 χ^2/NDF: 11815537.9/65

- sign 623.804+/-0.108 χ^2/NDF: 6174663.3/33



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/15

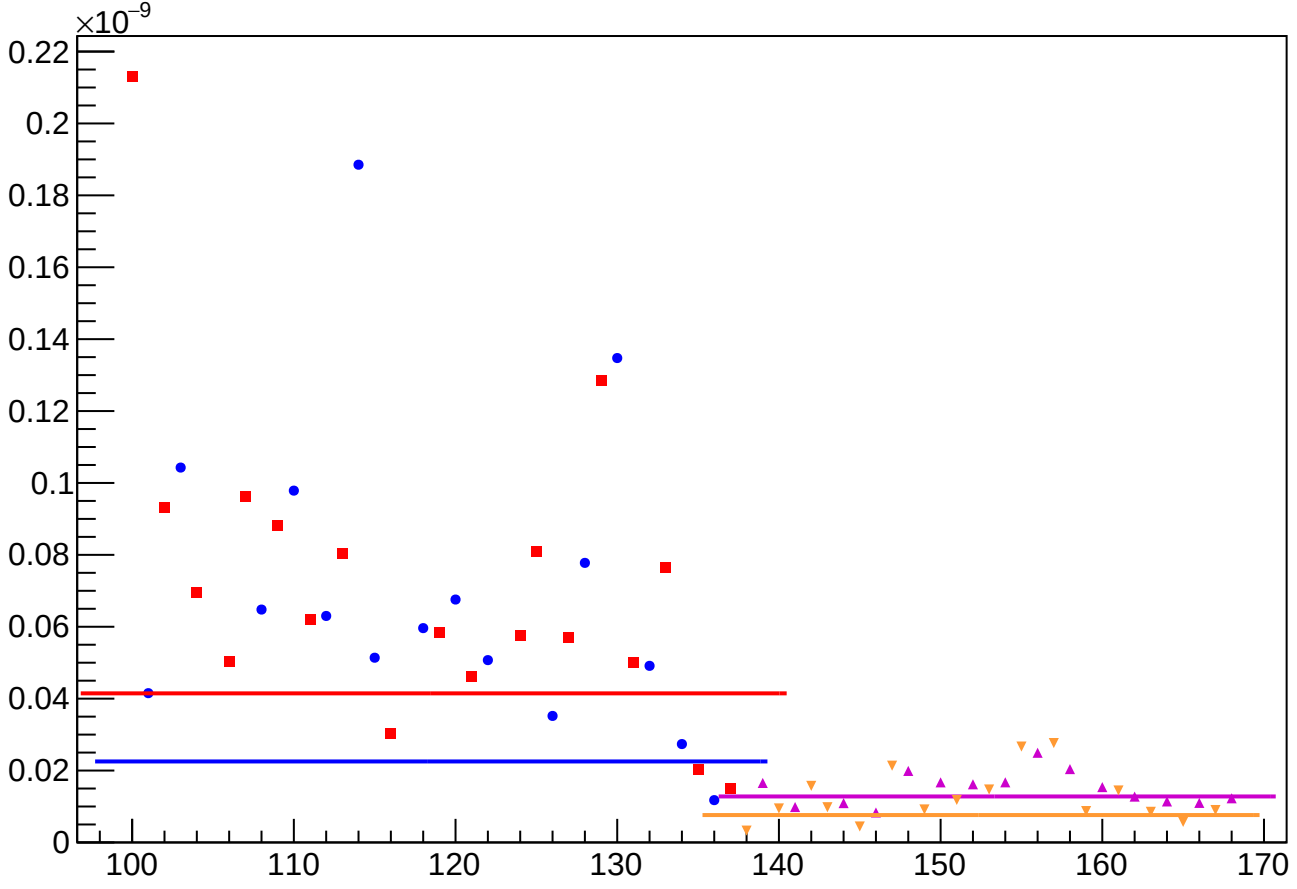
Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:10.4/14

+ sign -0.000+/-0.000 χ^2/NDF: 30.4/31

All: -0.000+/-0.000 χ^2/NDF: 60.7/65

- sign 0.000+/-0.000 χ^2/NDF: 28.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2178890.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

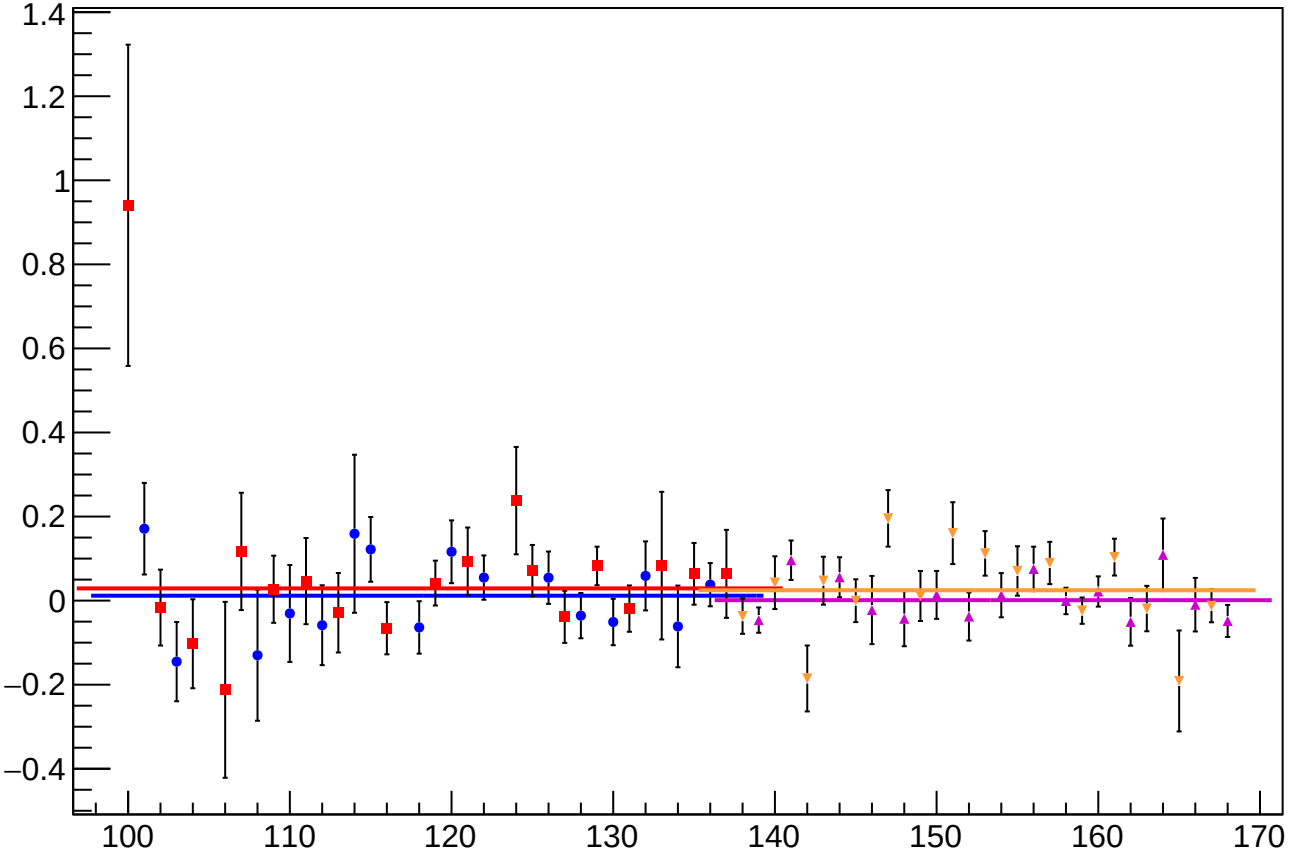
Left In: 0.000+/-0.000 χ^2/NDF:706840.9/14

+ sign 0.000+/-0.000 χ^2/NDF: 6423540.3/31

All: 0.000+/-0.000 χ^2/NDF: 12334875.2/65

- sign 0.000+/-0.000 χ^2/NDF: 4687149.7/33

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: 0.025+/-0.013 χ^2/NDF:35.1/15

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

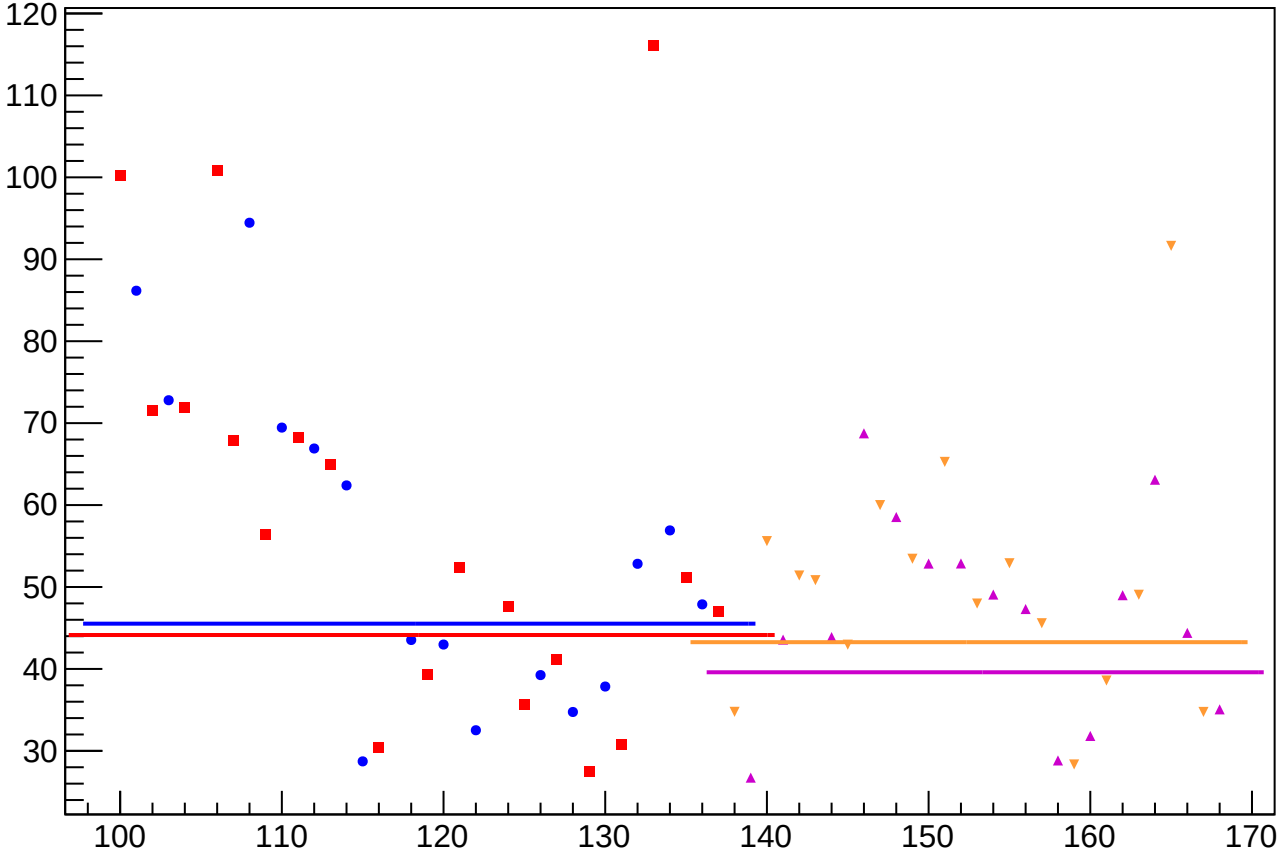
Left In: 0.001+/-0.012 χ^2/NDF:15.4/14

+ sign 0.020+/-0.011 χ^2/NDF: 52.3/31

All: 0.015+/-0.007 χ^2/NDF: 89.5/65

- sign 0.010+/-0.010 χ^2/NDF: 36.6/33

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: 43.266+/-0.009 χ^2/NDF:1569504.4/15

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

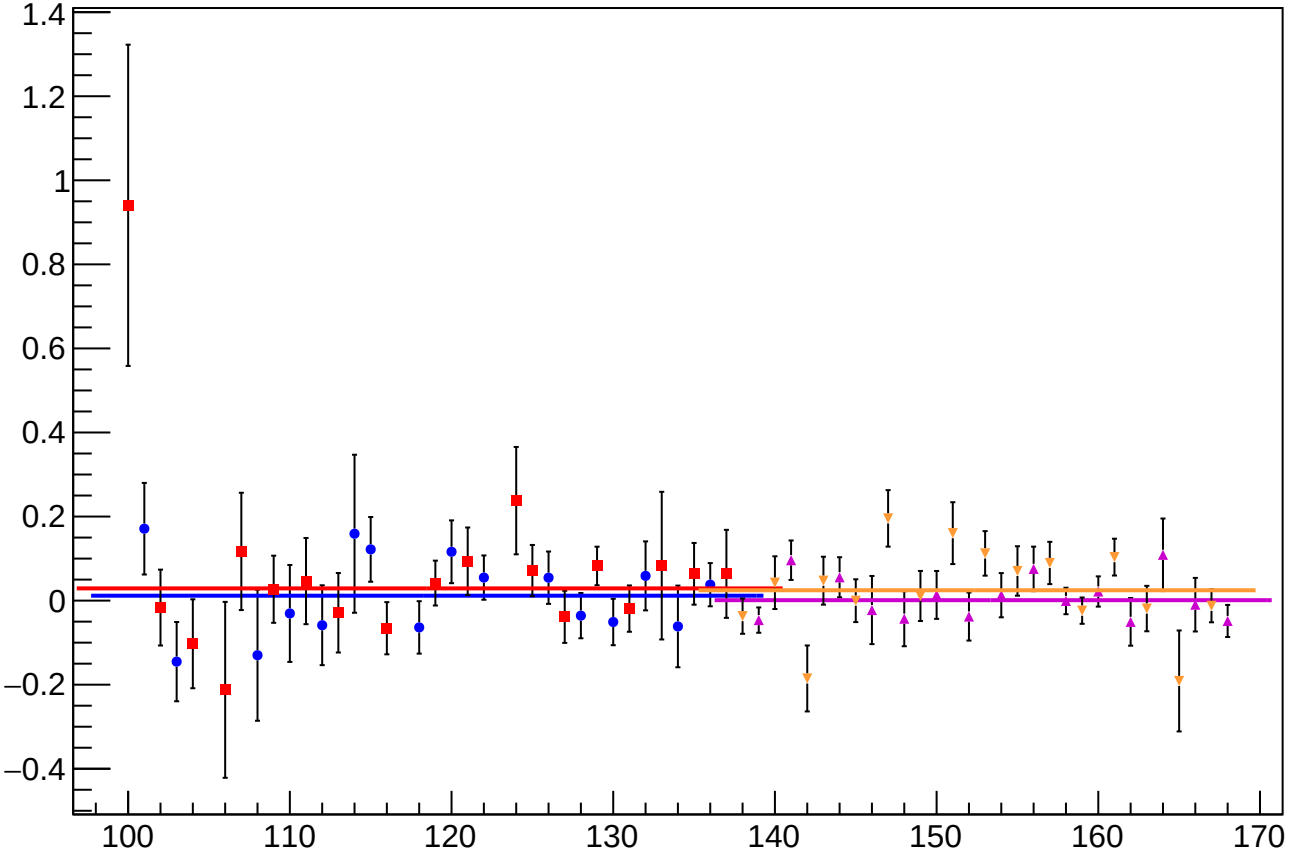
Left In: 39.594+/-0.009 χ^2/NDF:1715258.6/14

+ sign 44.015+/-0.007 χ^2/NDF: 2843794.5/31

All: 42.436+/-0.005 χ^2/NDF: 6476516.5/65

- sign 41.016+/-0.007 χ^2/NDF: 3547566.8/33

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: 0.025+/-0.013 χ^2/NDF:35.1/15

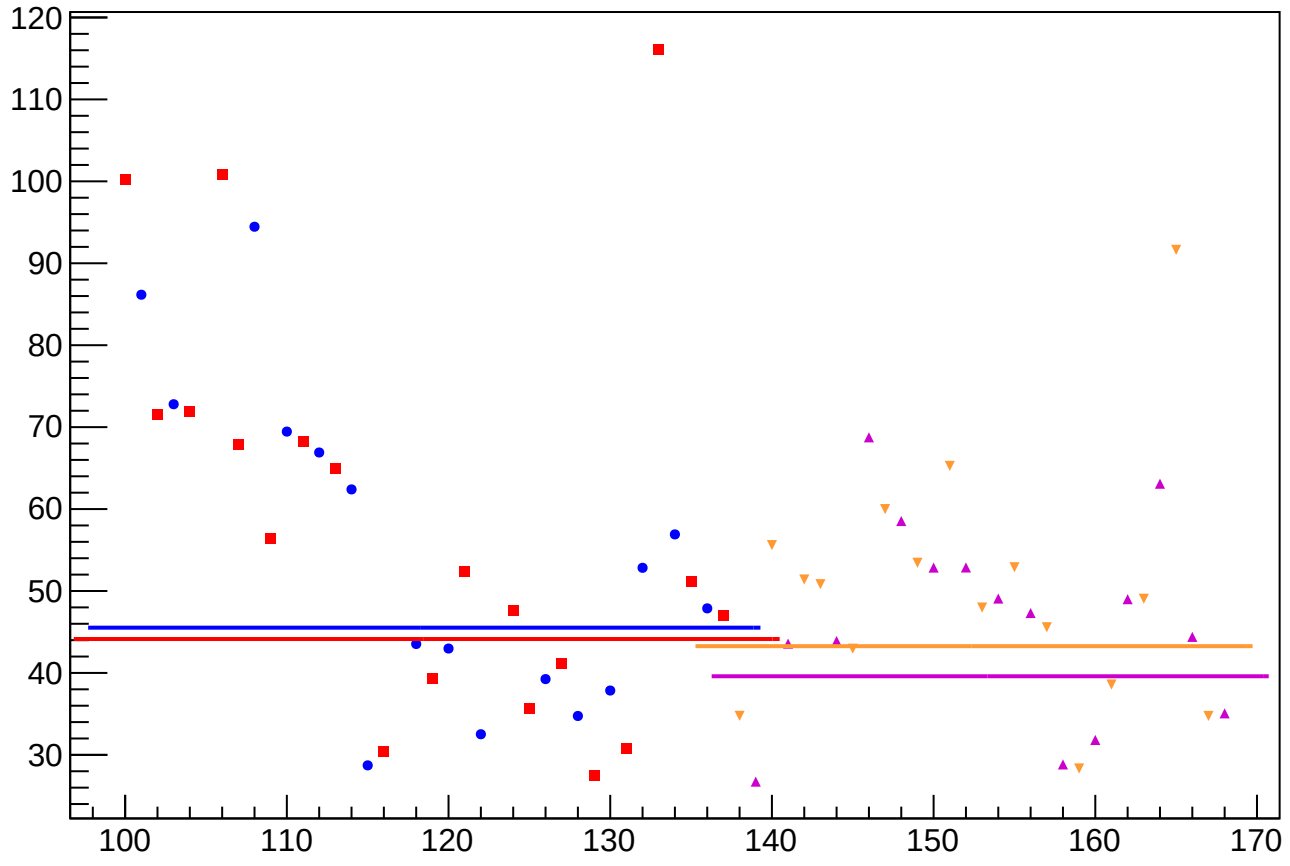
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.012 χ^2/NDF:15.4/14

+ sign 0.020+/-0.011 χ^2/NDF: 52.3/31

All: 0.015+/-0.007 χ^2/NDF: 89.5/65

- sign 0.010+/-0.010 χ^2/NDF: 36.6/33



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 43.266+/-0.009 χ^2/NDF:1569504.4/15

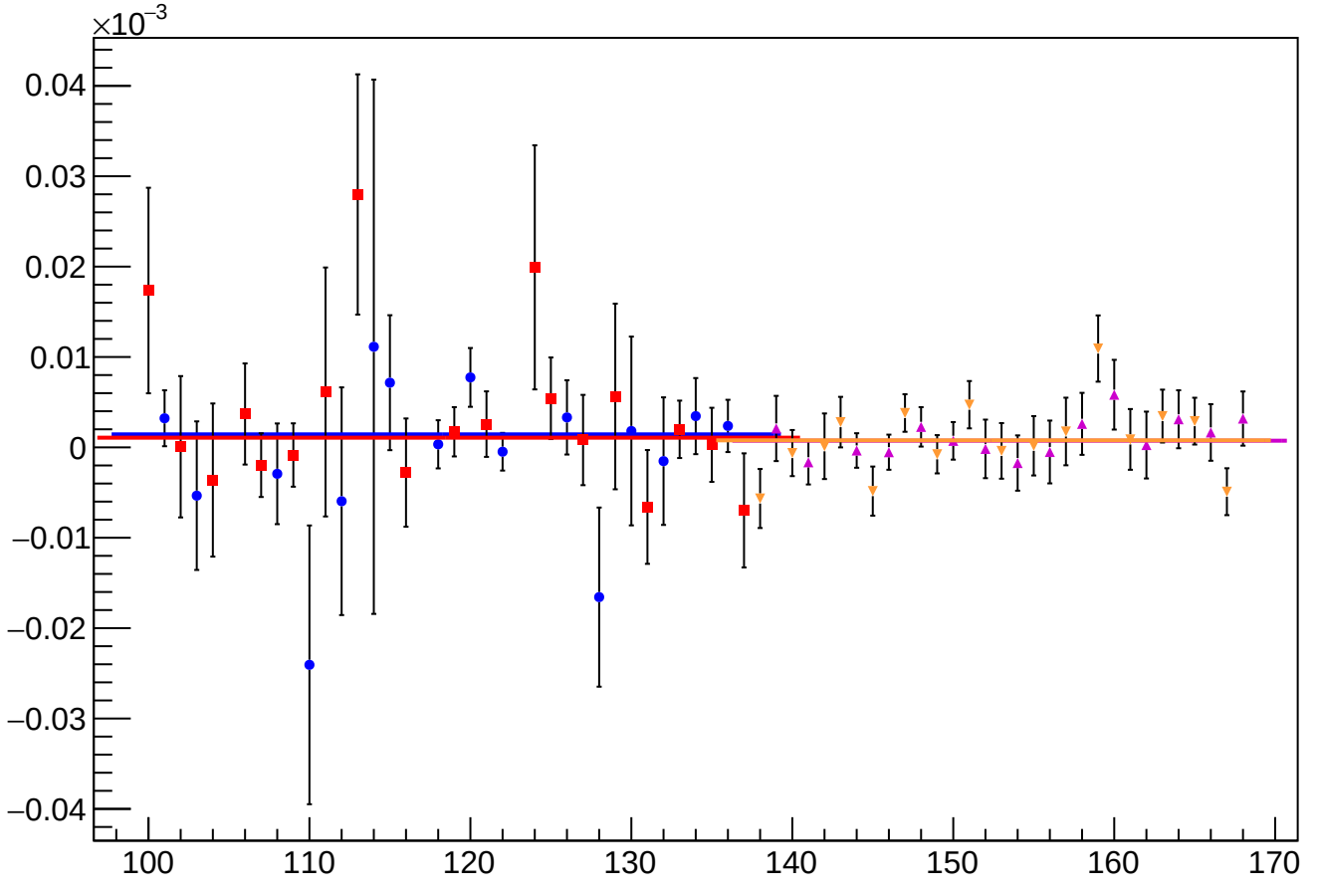
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.594+/-0.009 χ^2/NDF:1715258.6/14

+ sign 44.015+/-0.007 χ^2/NDF: 2843794.5/31

All: 42.436+/-0.005 χ^2/NDF: 6476516.5/65

- sign 41.016+/-0.007 χ^2/NDF: 3547566.8/33



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.2/15

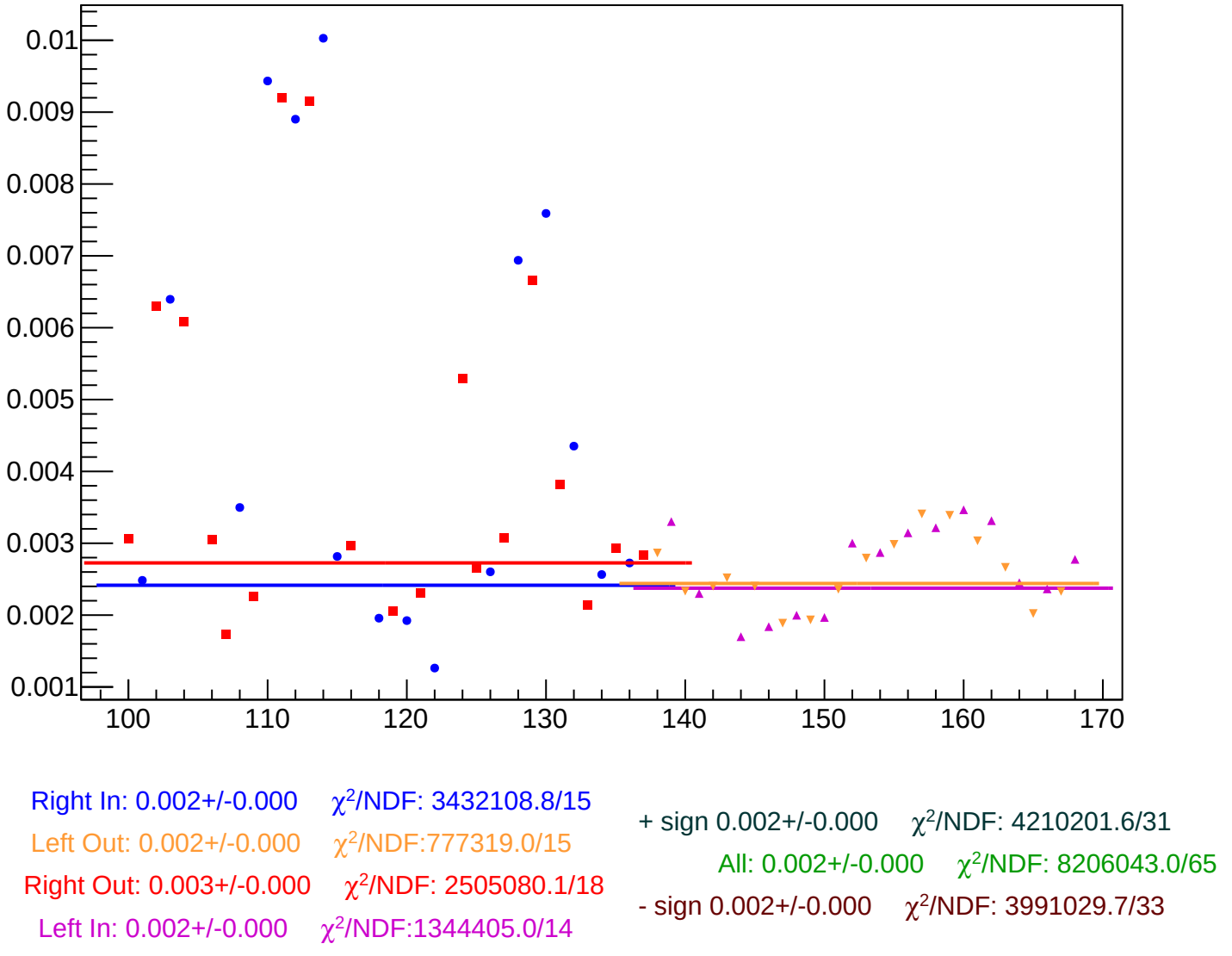
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

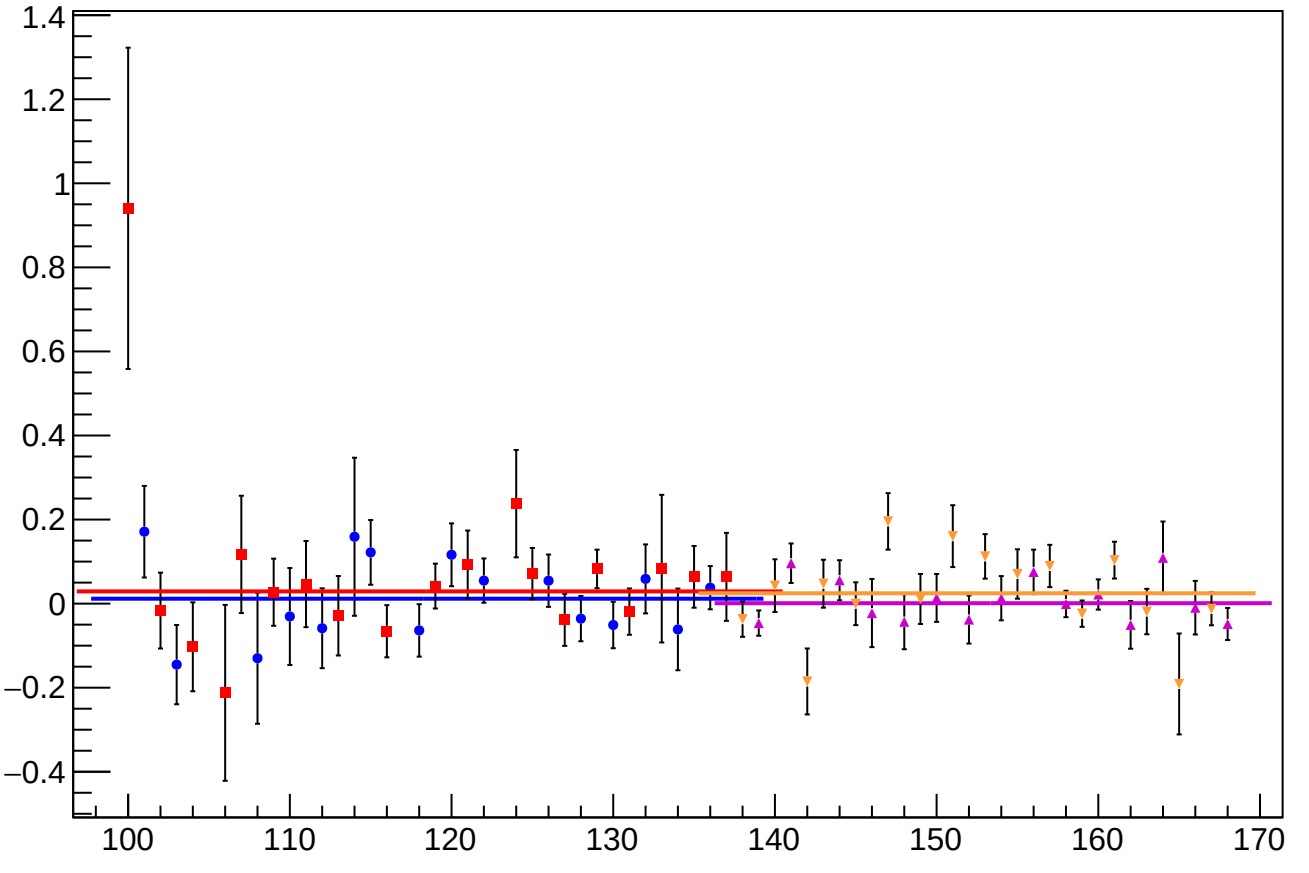
Left In: 0.000+/-0.000 χ^2/NDF:6.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 42.6/31

All: 0.000+/-0.000 χ^2/NDF: 64.1/65

- sign 0.000+/-0.000 χ^2/NDF: 21.4/33


asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 3432108.8/15
Left Out: 0.002+/-0.000 χ²/NDF:777319.0/15
Right Out: 0.003+/-0.000 χ²/NDF: 2505080.1/18
Left In: 0.002+/-0.000 χ²/NDF:1344405.0/14
+ sign 0.002+/-0.000 χ²/NDF: 4210201.6/31
All: 0.002+/-0.000 χ²/NDF: 8206043.0/65
- sign 0.002+/-0.000 χ²/NDF: 3991029.7/33



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.025+/-0.013 χ^2/NDF:35.1/15

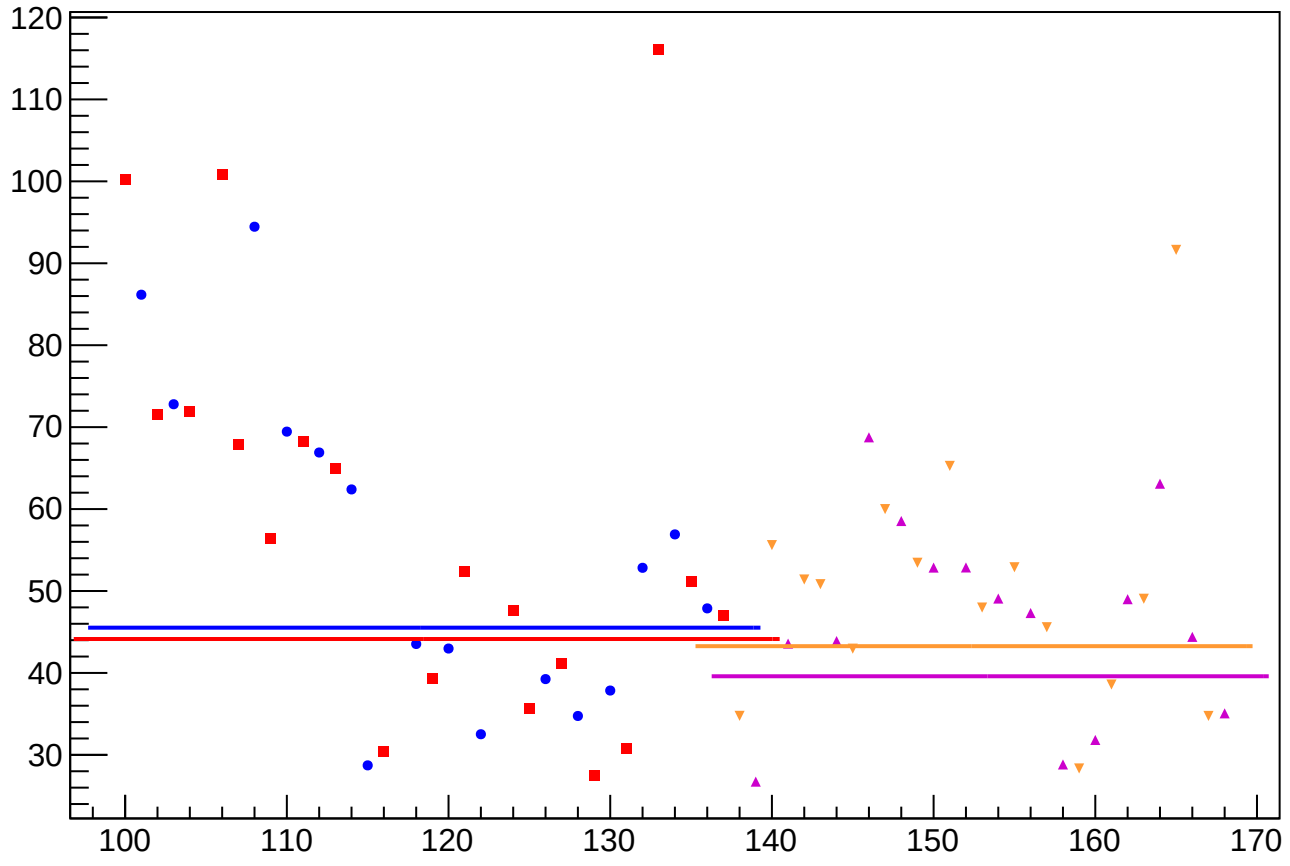
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.012 χ^2/NDF:15.4/14

+ sign 0.020+/-0.011 χ^2/NDF: 52.3/31

All: 0.015+/-0.007 χ^2/NDF: 89.5/65

- sign 0.010+/-0.010 χ^2/NDF: 36.6/33



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 43.266+/-0.009 χ^2/NDF:1569552.0/15

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

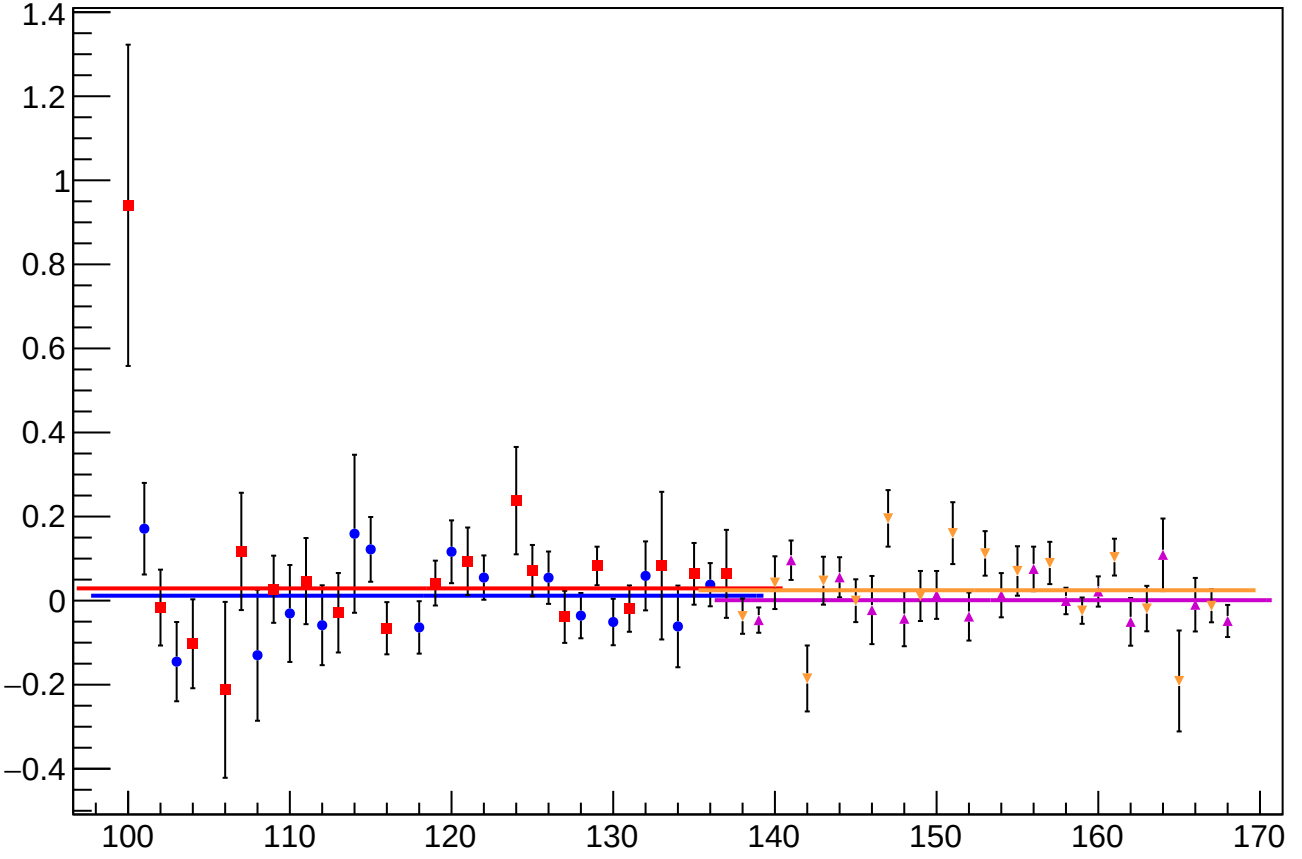
Left In: 39.594+/-0.009 χ^2/NDF:1715306.0/14

+ sign 44.015+/-0.007 χ^2/NDF: 2843793.0/31

All: 42.436+/-0.005 χ^2/NDF: 6476473.4/65

- sign 41.016+/-0.007 χ^2/NDF: 3547536.2/33

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: 0.025+/-0.013 χ^2/NDF:35.1/15

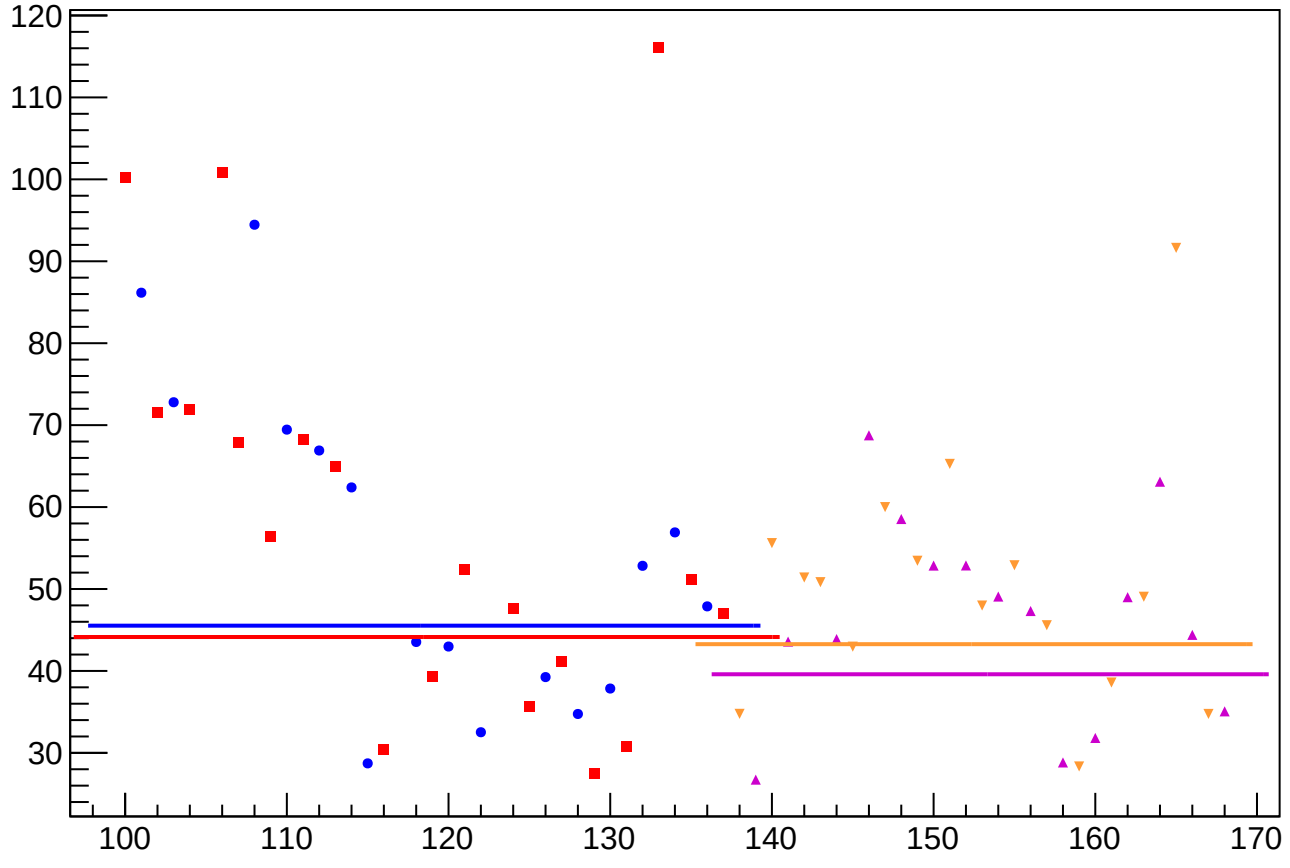
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.012 χ^2/NDF:15.4/14

+ sign 0.020+/-0.011 χ^2/NDF: 52.3/31

All: 0.015+/-0.007 χ^2/NDF: 89.5/65

- sign 0.010+/-0.010 χ^2/NDF: 36.6/33



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 43.266+/-0.009 χ^2/NDF:1569552.0/15

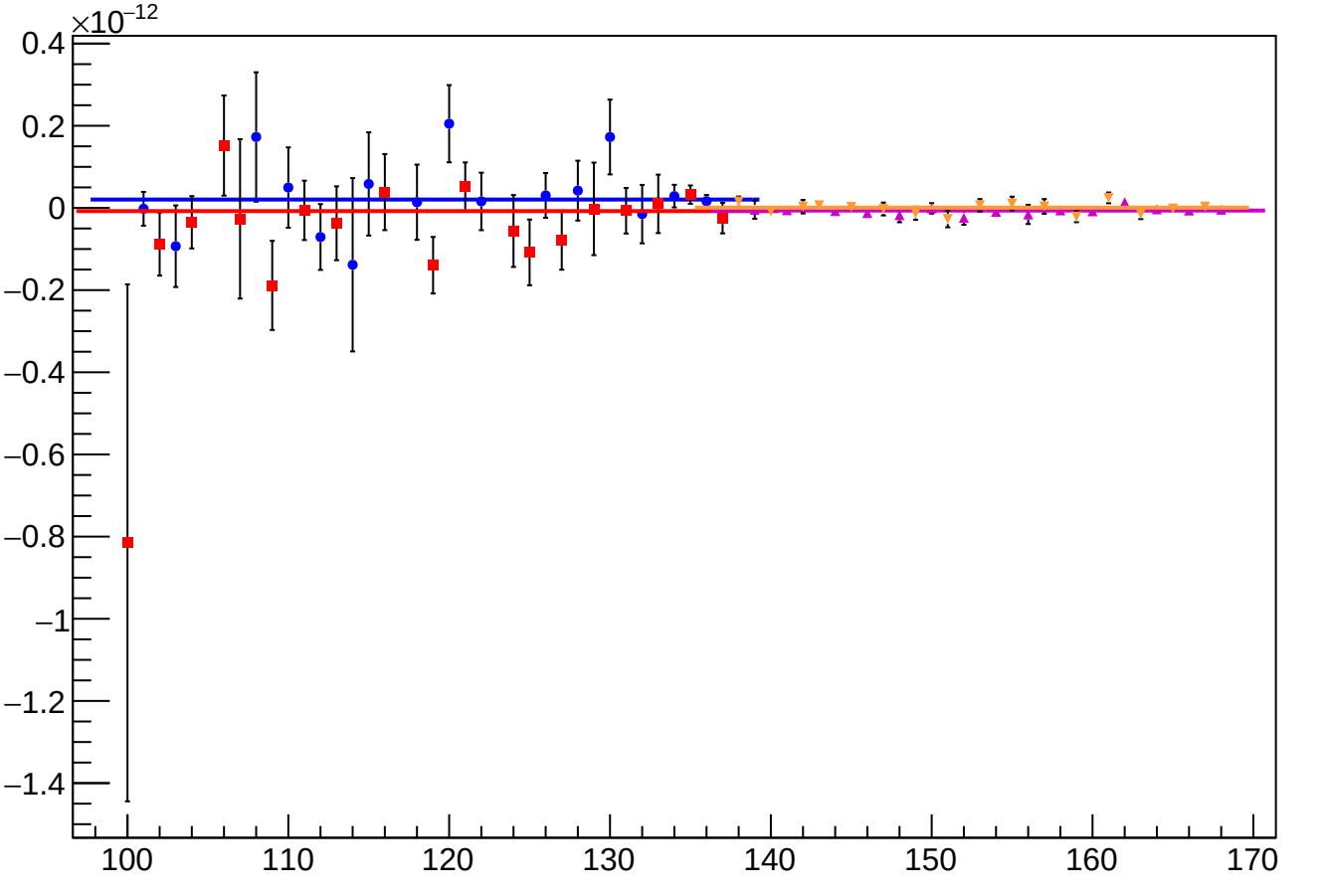
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.594+/-0.009 χ^2/NDF:1715306.0/14

+ sign 44.015+/-0.007 χ^2/NDF: 2843793.0/31

All: 42.436+/-0.005 χ^2/NDF: 6476473.4/65

- sign 41.016+/-0.007 χ^2/NDF: 3547536.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/15

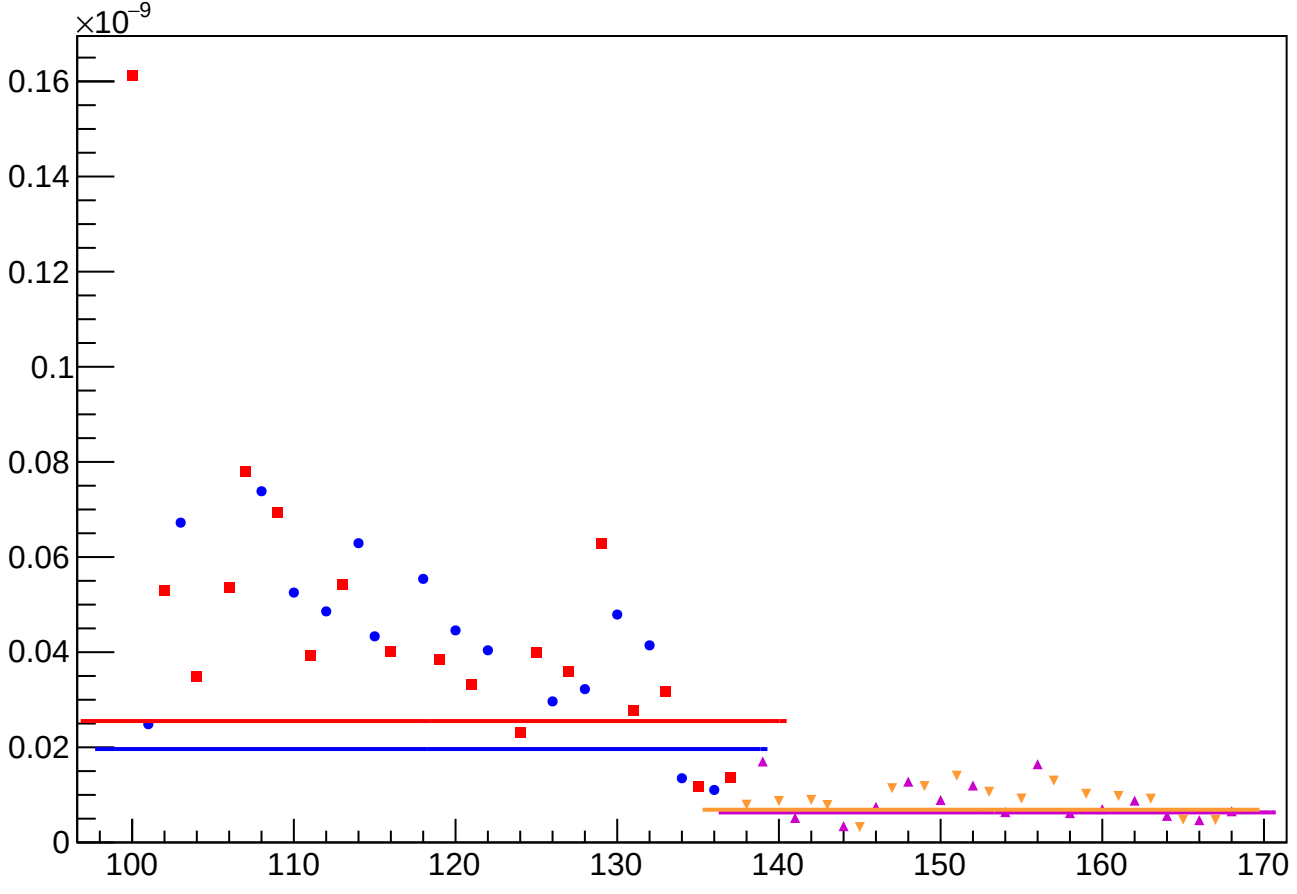
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/14

+ sign 0.000+/-0.000 χ^2/NDF: 28.1/31

All: -0.000+/-0.000 χ^2/NDF: 57.0/65

- sign -0.000+/-0.000 χ^2/NDF: 24.1/33



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2562653.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

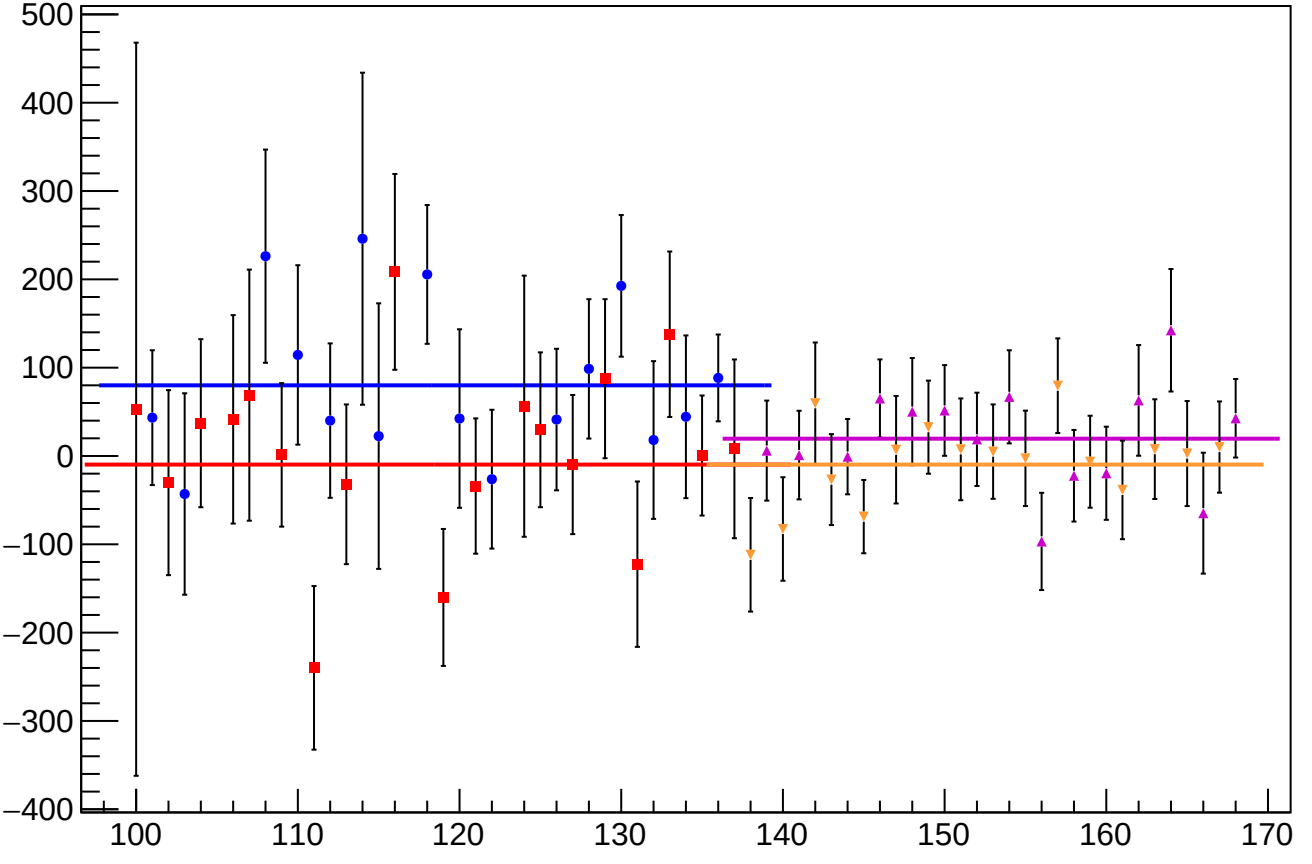
Left In: 0.000+/-0.000 χ^2/NDF:2186221.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 8259995.1/31

All: 0.000+/-0.000 χ^2/NDF: 16992097.1/65

- sign 0.000+/-0.000 χ^2/NDF: 8680284.9/33

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -9.713+/-13.689 χ^2/NDF:11.5/15

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

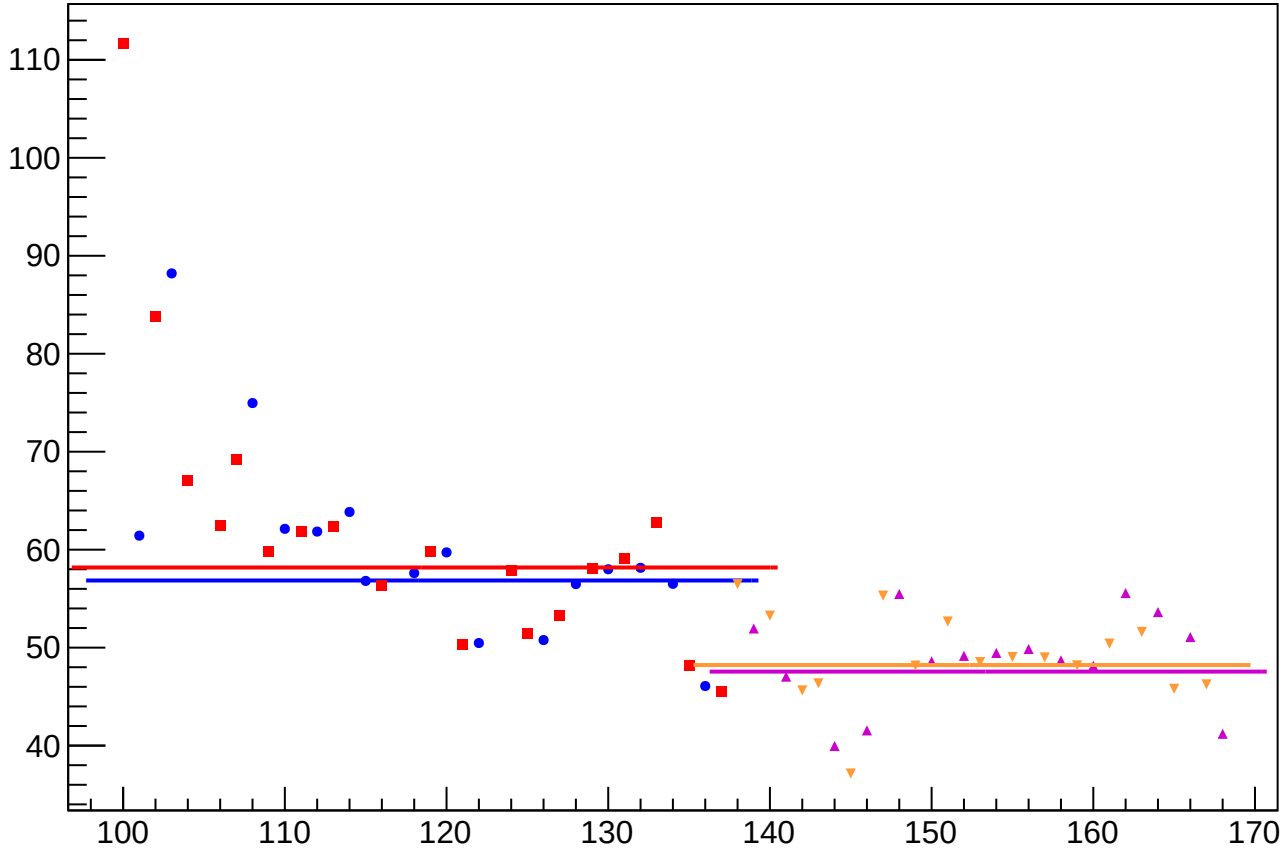
Left In: 19.581+/-13.630 χ^2/NDF:14.0/14

+ sign 16.208+/-11.543 χ^2/NDF: 35.4/31

All: 13.723+/-8.157 χ^2/NDF: 71.2/65

- sign 11.244+/-11.529 χ^2/NDF: 35.7/33

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.224+/-0.010 χ^2/NDF:252196.7/15

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

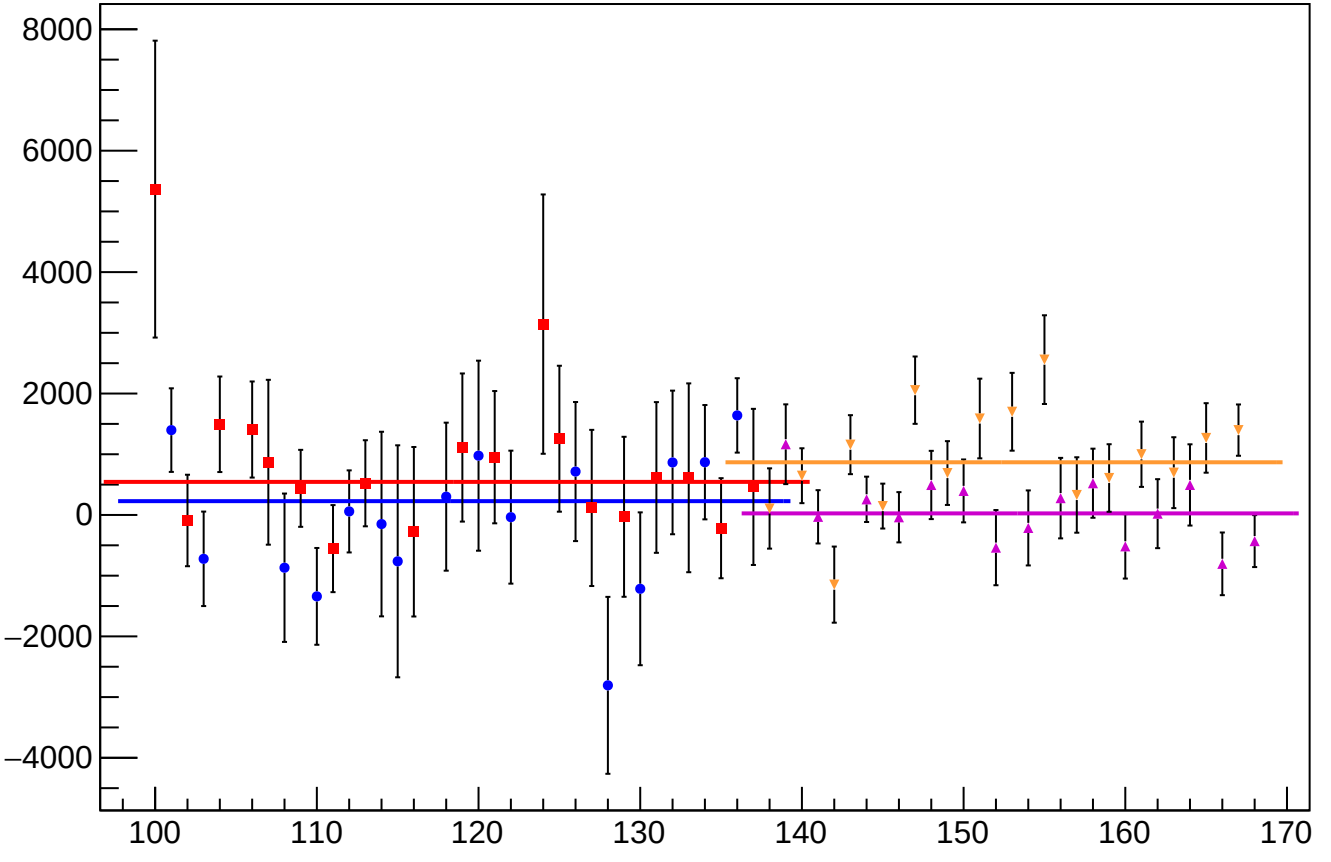
Left In: 47.553+/-0.010 χ^2/NDF:250897.6/14

+ sign 50.717+/-0.008 χ^2/NDF: 823501.7/31

All: 50.647+/-0.006 χ^2/NDF: 1735185.5/65

- sign 50.576+/-0.008 χ^2/NDF: 911533.2/33

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 867.731+/-134.054 χ^2/NDF:32.2/15

Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

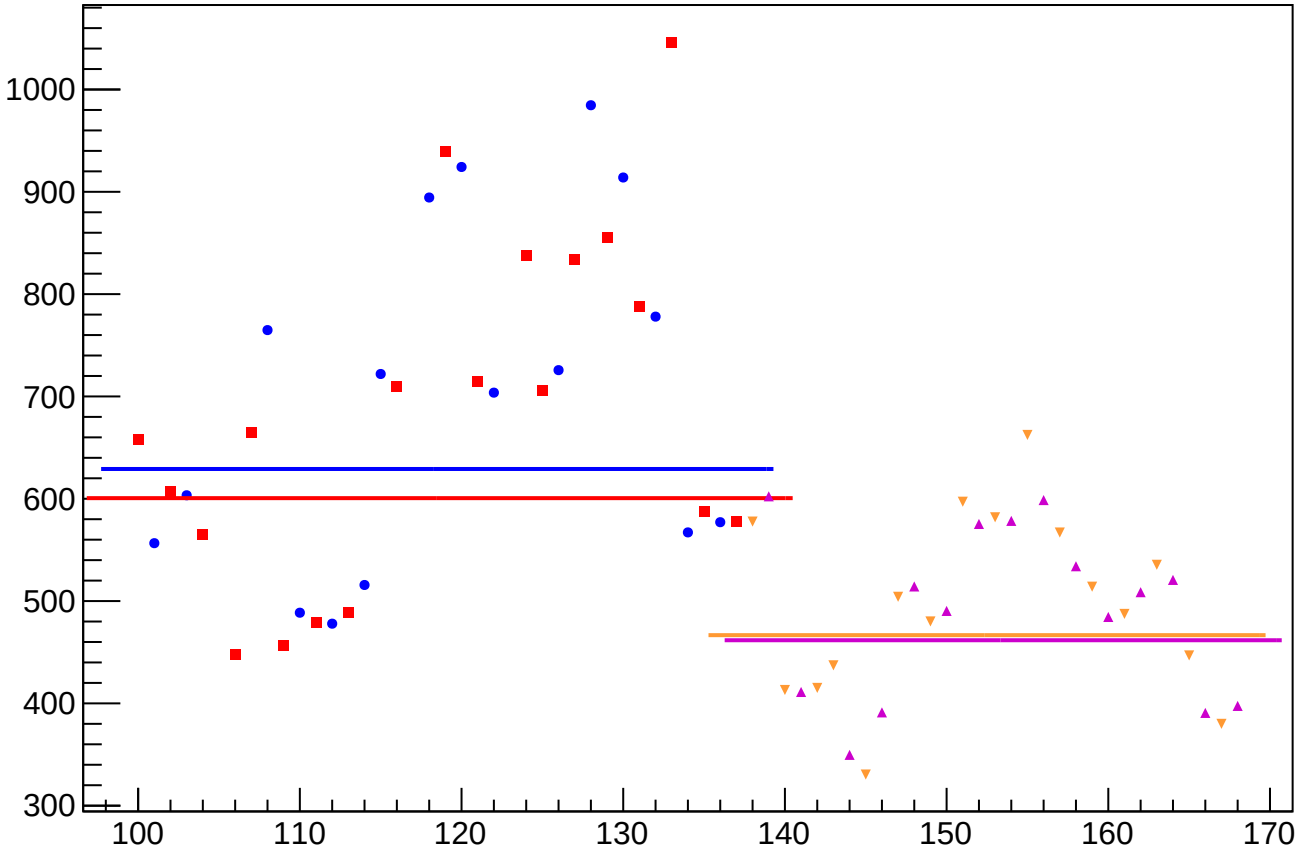
Left In: 25.825+/-133.528 χ^2/NDF:11.8/14

+ sign 716.666+/-117.176 χ^2/NDF: 59.2/31

All: 432.914+/-82.121 χ^2/NDF: 99.8/65

- sign 159.015+/-115.124 χ^2/NDF: 29.0/33

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 466.676+/-0.095 χ^2/NDF:858296.2/15

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

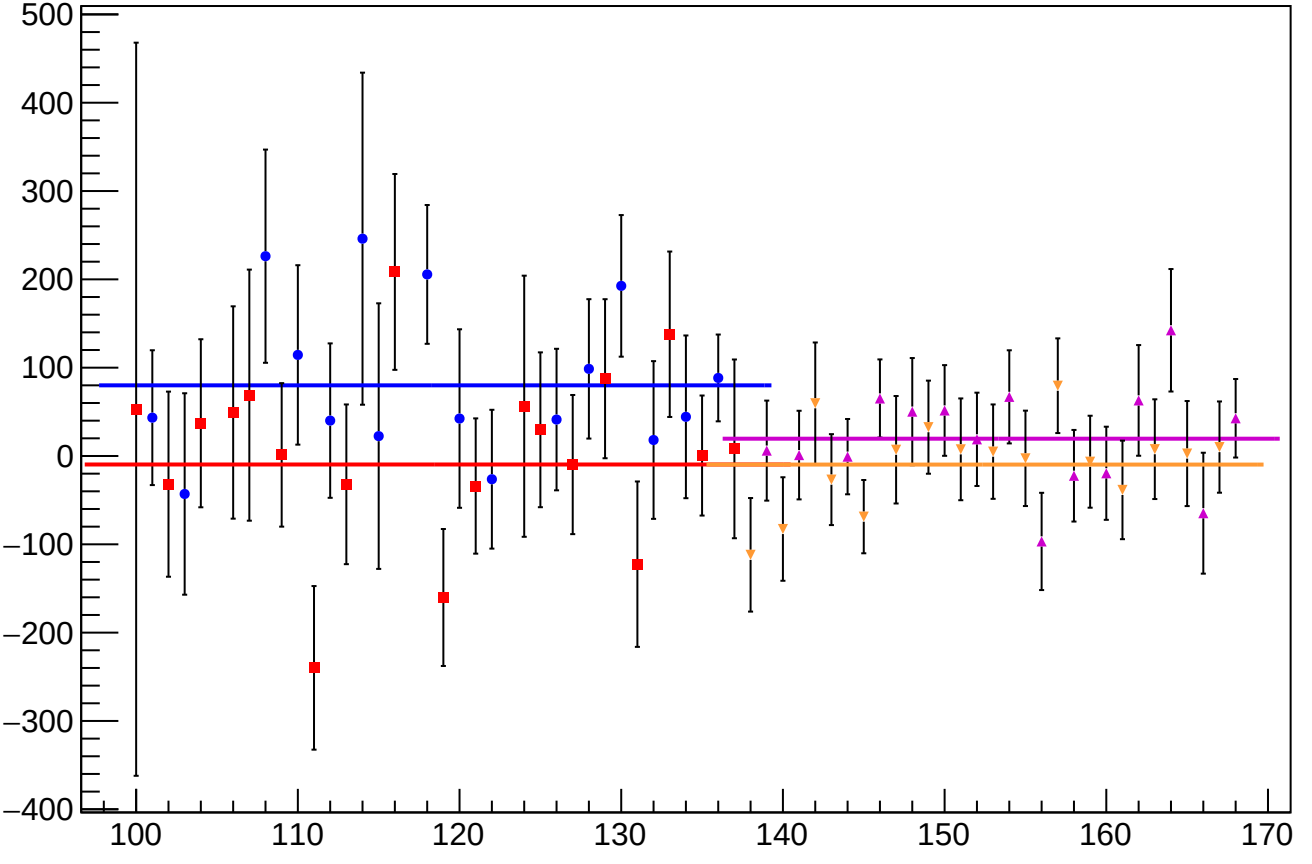
Left In: 461.704+/-0.094 χ^2/NDF:751867.6/14

+ sign 505.001+/-0.083 χ^2/NDF: 2243773.7/31

All: 501.108+/-0.058 χ^2/NDF: 4429958.5/65

- sign 497.351+/-0.081 χ^2/NDF: 2181847.2/33

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -9.715+/-13.689 χ^2/NDF:11.5/15

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

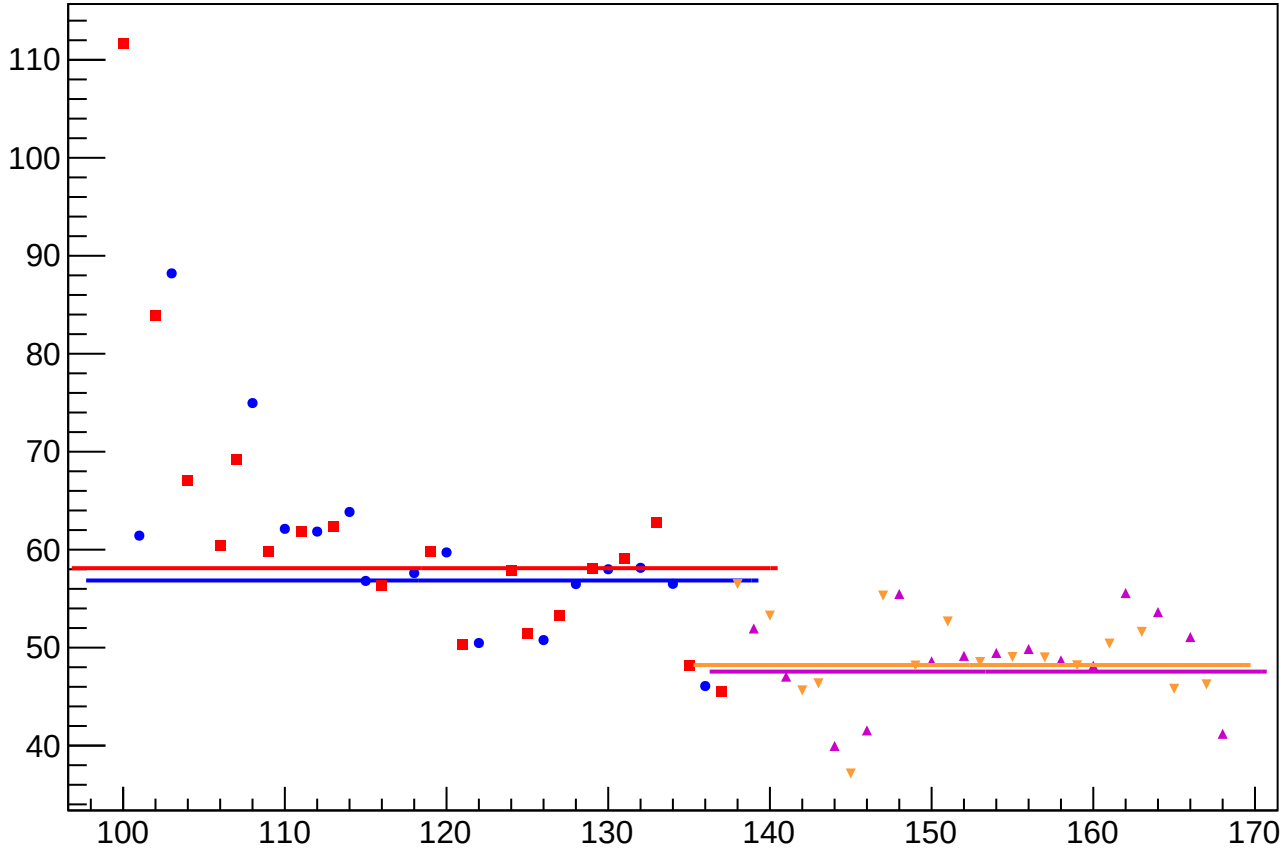
Left In: 19.582+/-13.630 χ^2/NDF:14.0/14

+ sign 16.207+/-11.543 χ^2/NDF: 35.4/31

All: 13.743+/-8.158 χ^2/NDF: 71.2/65

- sign 11.283+/-11.531 χ^2/NDF: 35.7/33

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.224+/-0.010 χ^2/NDF:252196.7/15

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

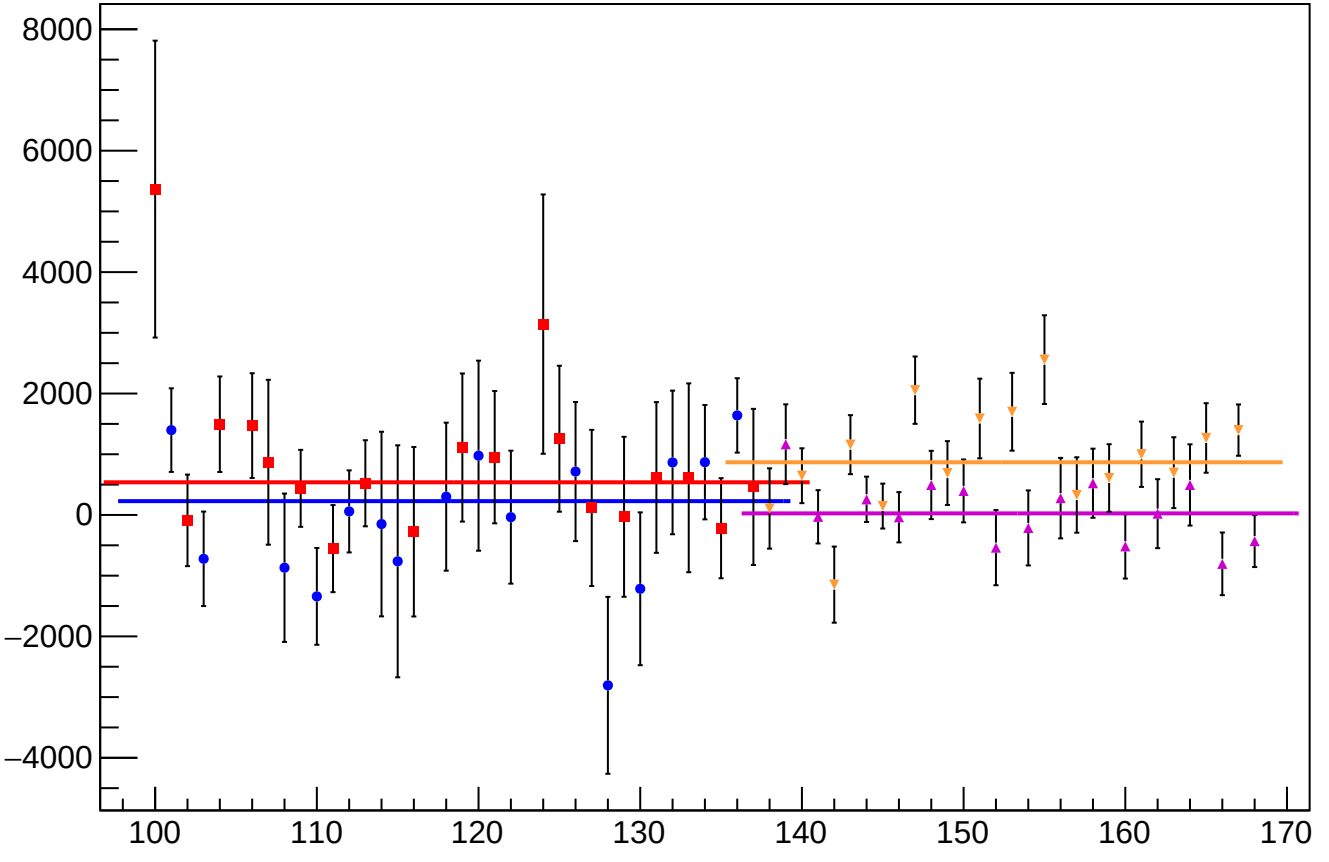
Left In: 47.553+/-0.010 χ^2/NDF:250897.6/14

+ sign 50.717+/-0.008 χ^2/NDF: 823505.7/31

All: 50.635+/-0.006 χ^2/NDF: 1728624.1/65

- sign 50.553+/-0.008 χ^2/NDF: 904915.4/33

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 867.728+/-134.054 χ^2/NDF:32.2/15

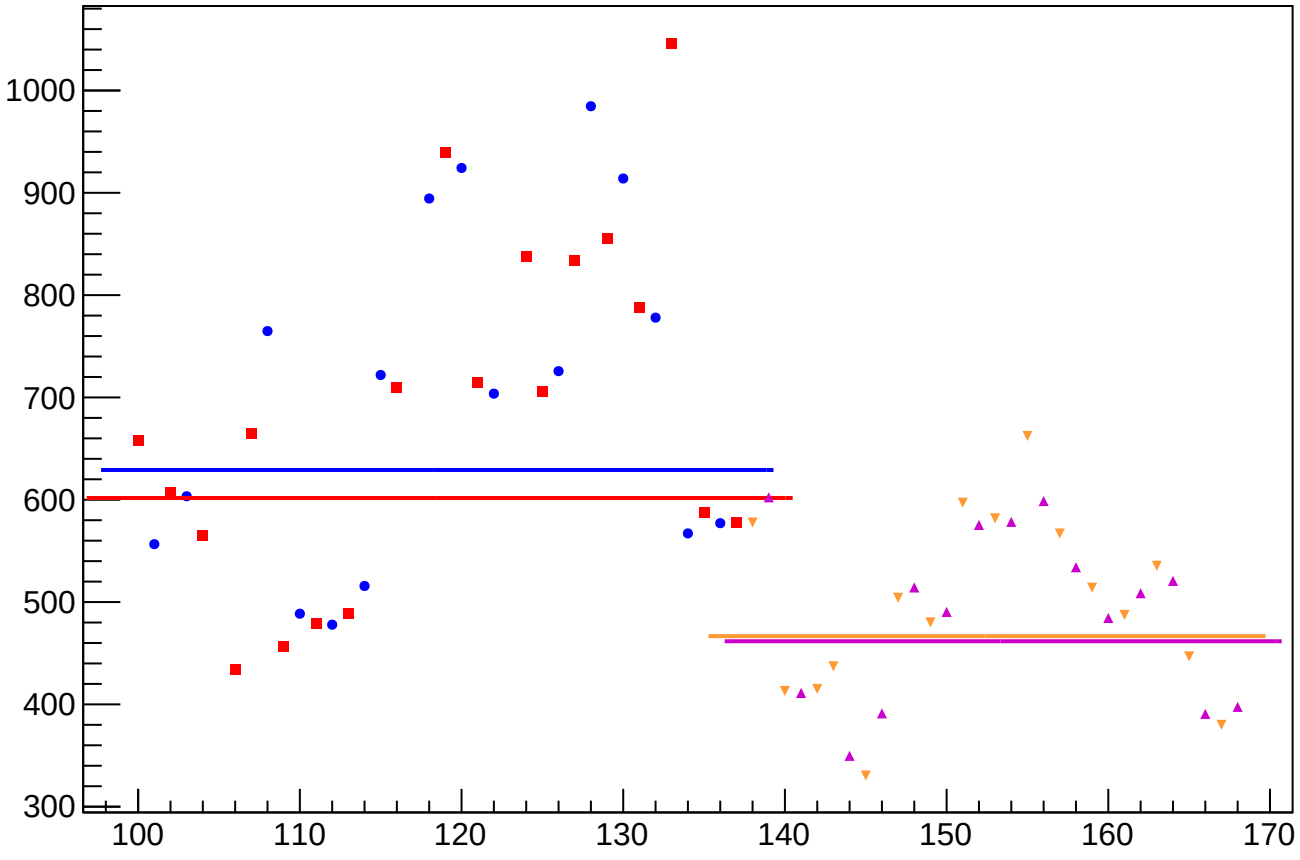
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 25.828+/-133.528 χ^2/NDF:11.8/14

+ sign 716.674+/-117.176 χ^2/NDF: 59.2/31

All: 431.868+/-82.192 χ^2/NDF: 99.7/65

- sign 156.019+/-115.319 χ^2/NDF: 28.9/33



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 466.676+/-0.095 χ^2/NDF:858298.4/15

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

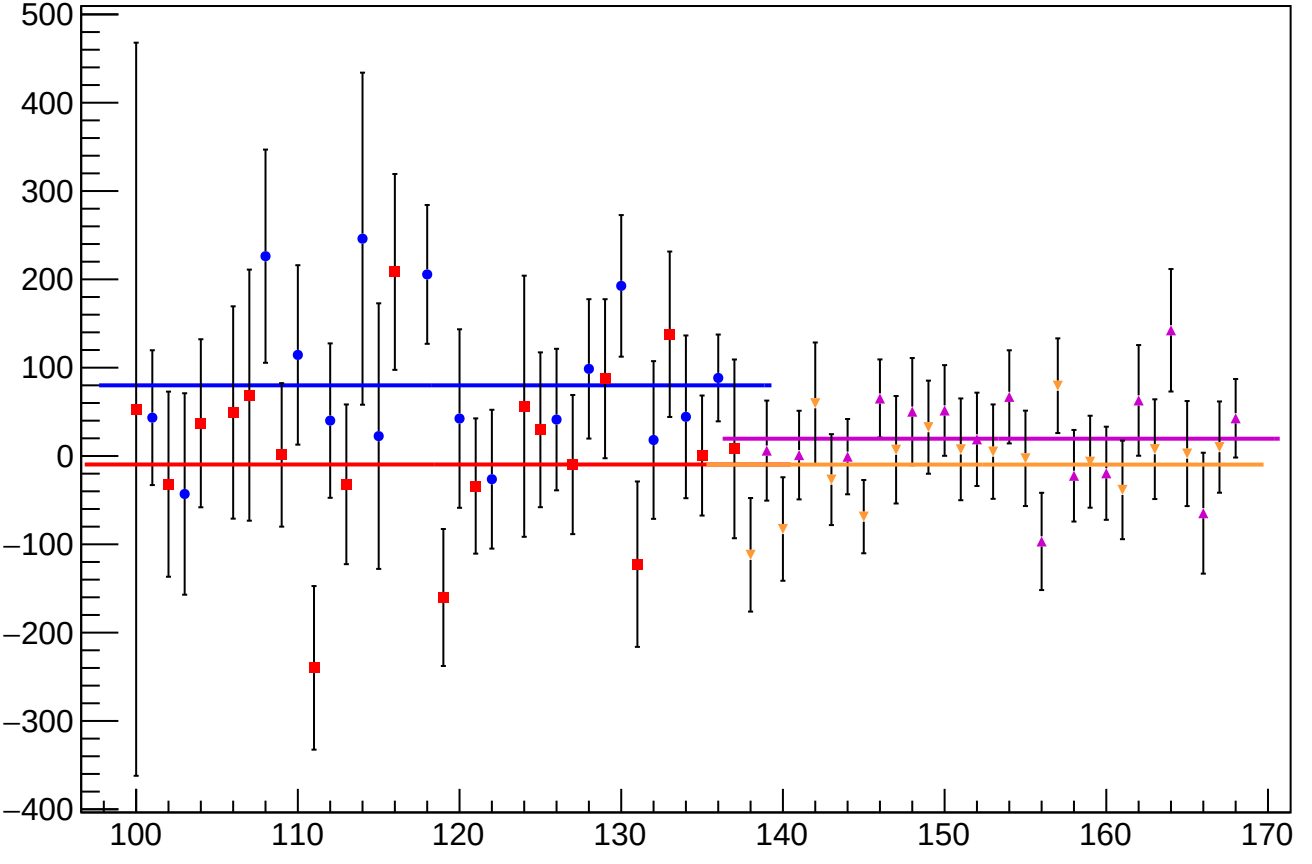
Left In: 461.704+/-0.094 χ^2/NDF:751864.8/14

+ sign 505.001+/-0.083 χ^2/NDF: 2243802.2/31

All: 501.082+/-0.058 χ^2/NDF: 4432984.0/65

- sign 497.287+/-0.082 χ^2/NDF: 2184778.6/33

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -9.715+/-13.689 χ^2/NDF:11.5/15

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

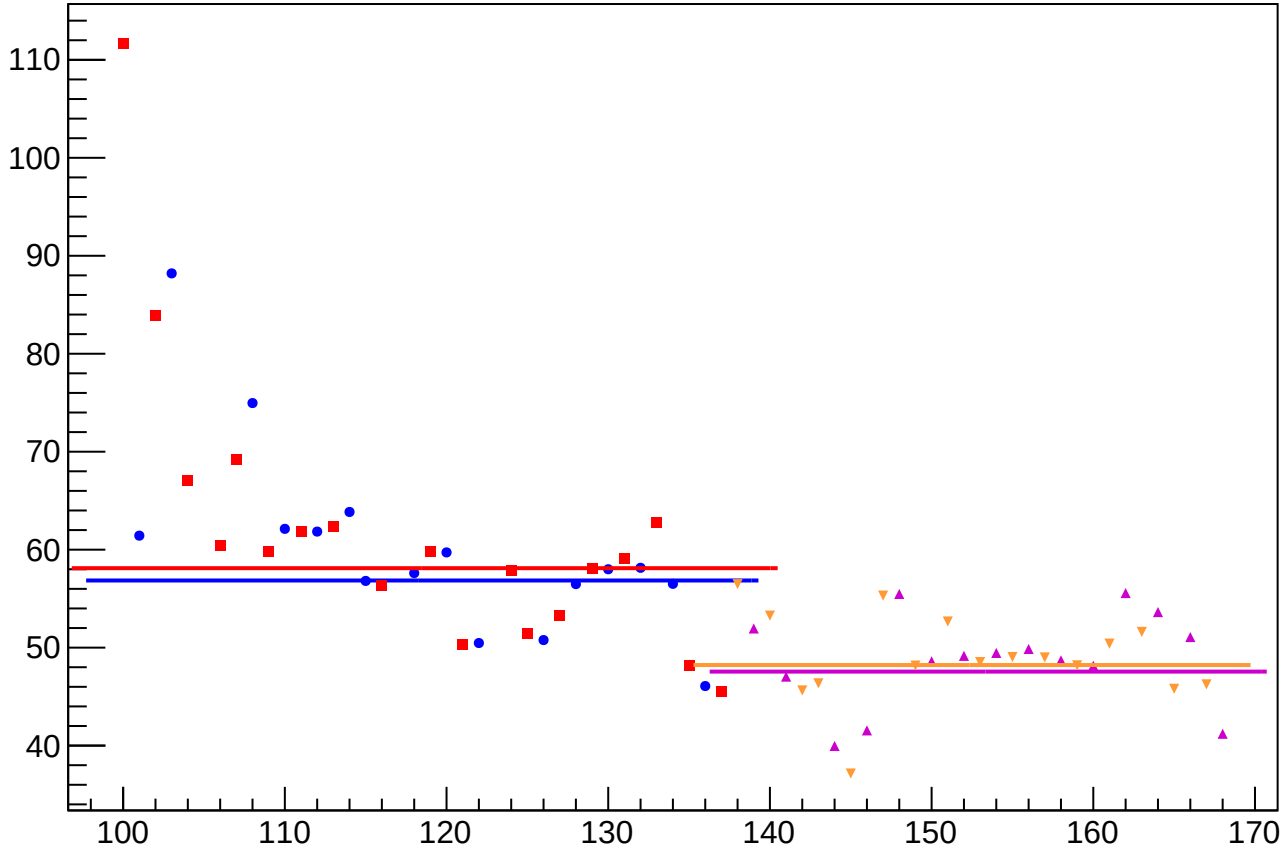
Left In: 19.582+/-13.630 χ^2/NDF:14.0/14

+ sign 16.207+/-11.543 χ^2/NDF: 35.4/31

All: 13.743+/-8.158 χ^2/NDF: 71.2/65

- sign 11.283+/-11.531 χ^2/NDF: 35.7/33

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.224+/-0.010 χ^2/NDF:252196.7/15

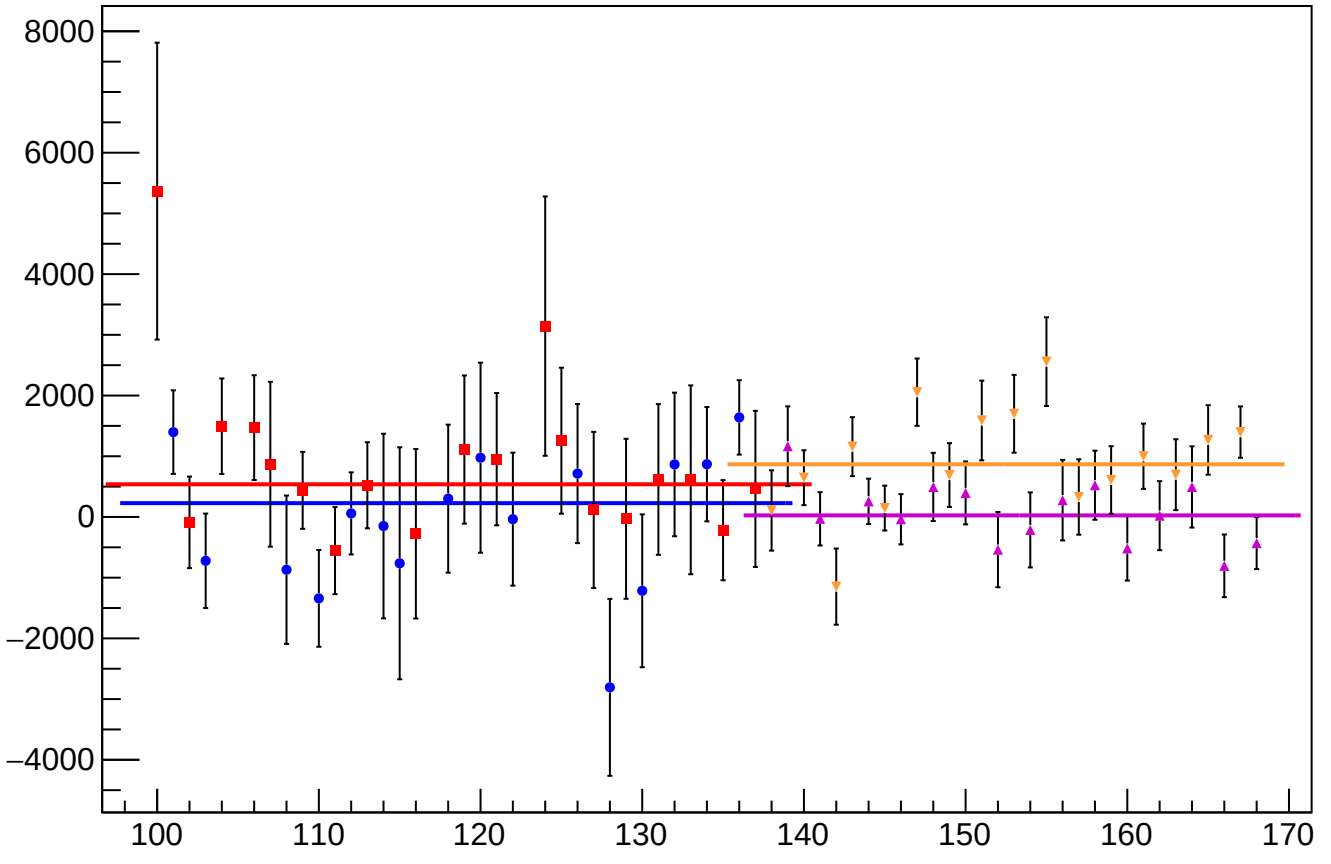
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.553+/-0.010 χ^2/NDF:250897.6/14

+ sign 50.717+/-0.008 χ^2/NDF: 823505.7/31

All: 50.635+/-0.006 χ^2/NDF: 1728624.1/65

- sign 50.553+/-0.008 χ^2/NDF: 904915.4/33



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 867.728+/-134.054 χ^2/NDF:32.2/15

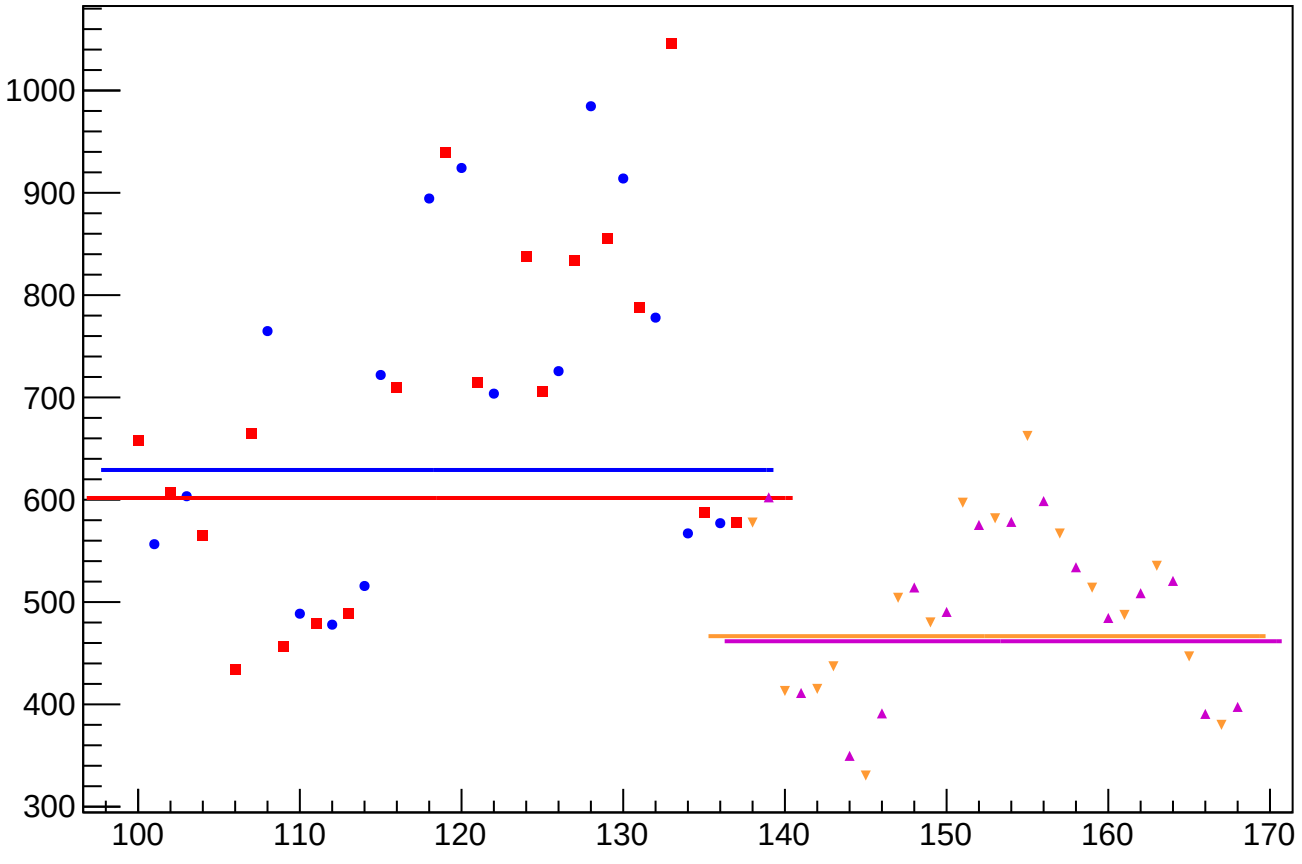
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 25.828+/-133.528 χ^2/NDF:11.8/14

+ sign 716.674+/-117.176 χ^2/NDF: 59.2/31

All: 431.868+/-82.192 χ^2/NDF: 99.7/65

- sign 156.019+/-115.319 χ^2/NDF: 28.9/33



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 466.676+/-0.095 χ^2/NDF:858298.4/15

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

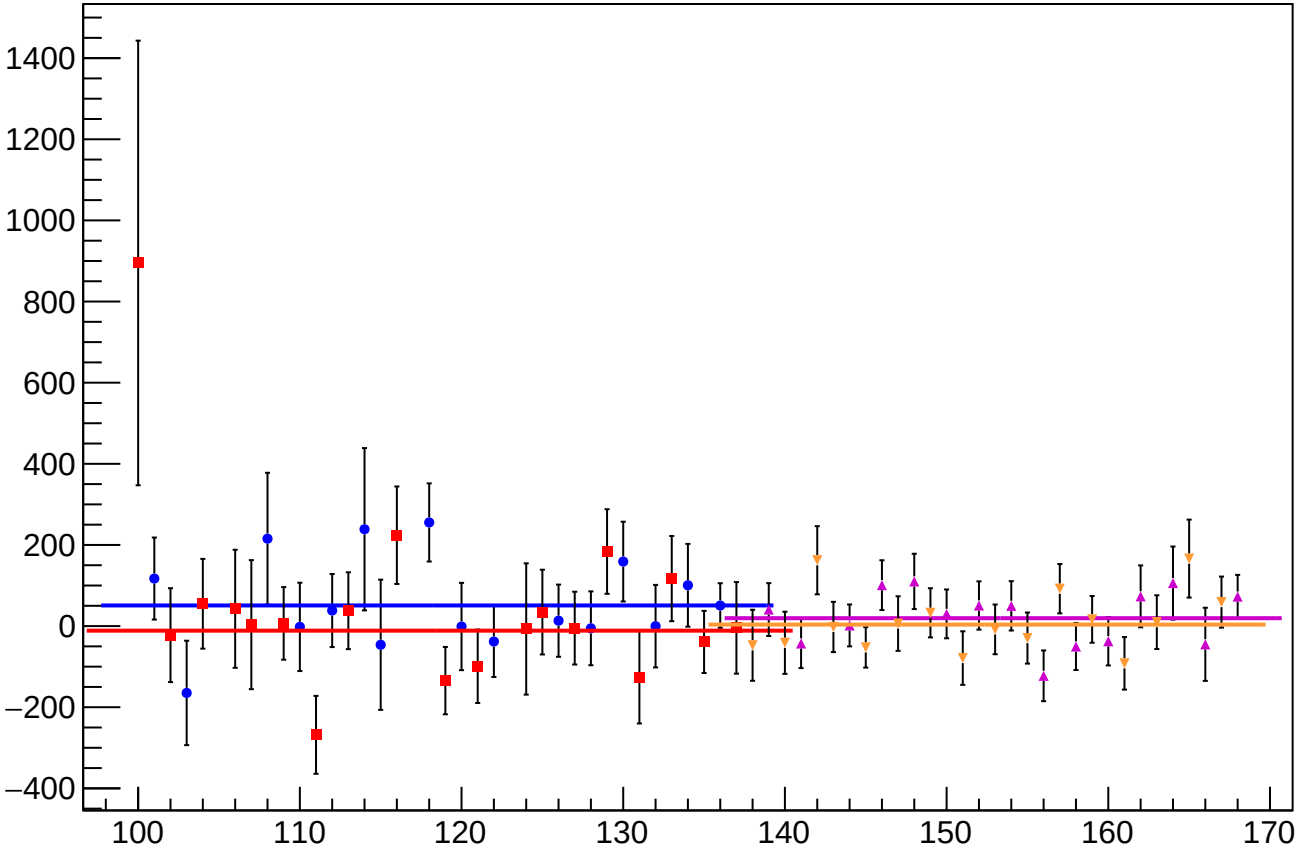
Left In: 461.704+/-0.094 χ^2/NDF:751864.8/14

+ sign 505.001+/-0.083 χ^2/NDF: 2243802.2/31

All: 501.082+/-0.058 χ^2/NDF: 4432984.0/65

- sign 497.287+/-0.082 χ^2/NDF: 2184778.6/33

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: 3.687+/-16.336 χ^2/NDF:15.6/15

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

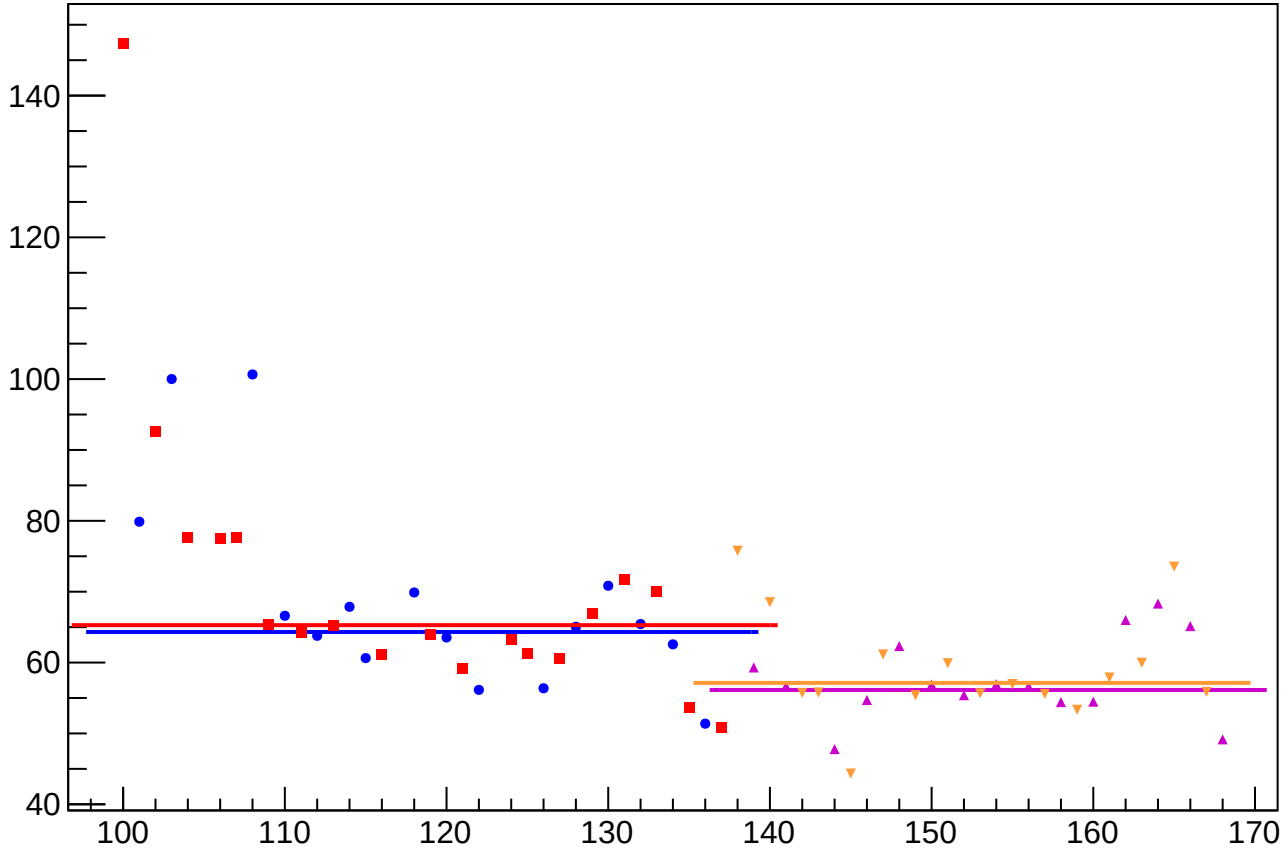
Left In: 19.482+/-16.234 χ^2/NDF:15.8/14

+ sign 18.212+/-13.590 χ^2/NDF: 32.0/31

All: 14.084+/-9.579 χ^2/NDF: 73.1/65

- sign 10.008+/-13.503 χ^2/NDF: 40.9/33

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 57.130+/-0.012 χ^2/NDF:354693.6/15

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

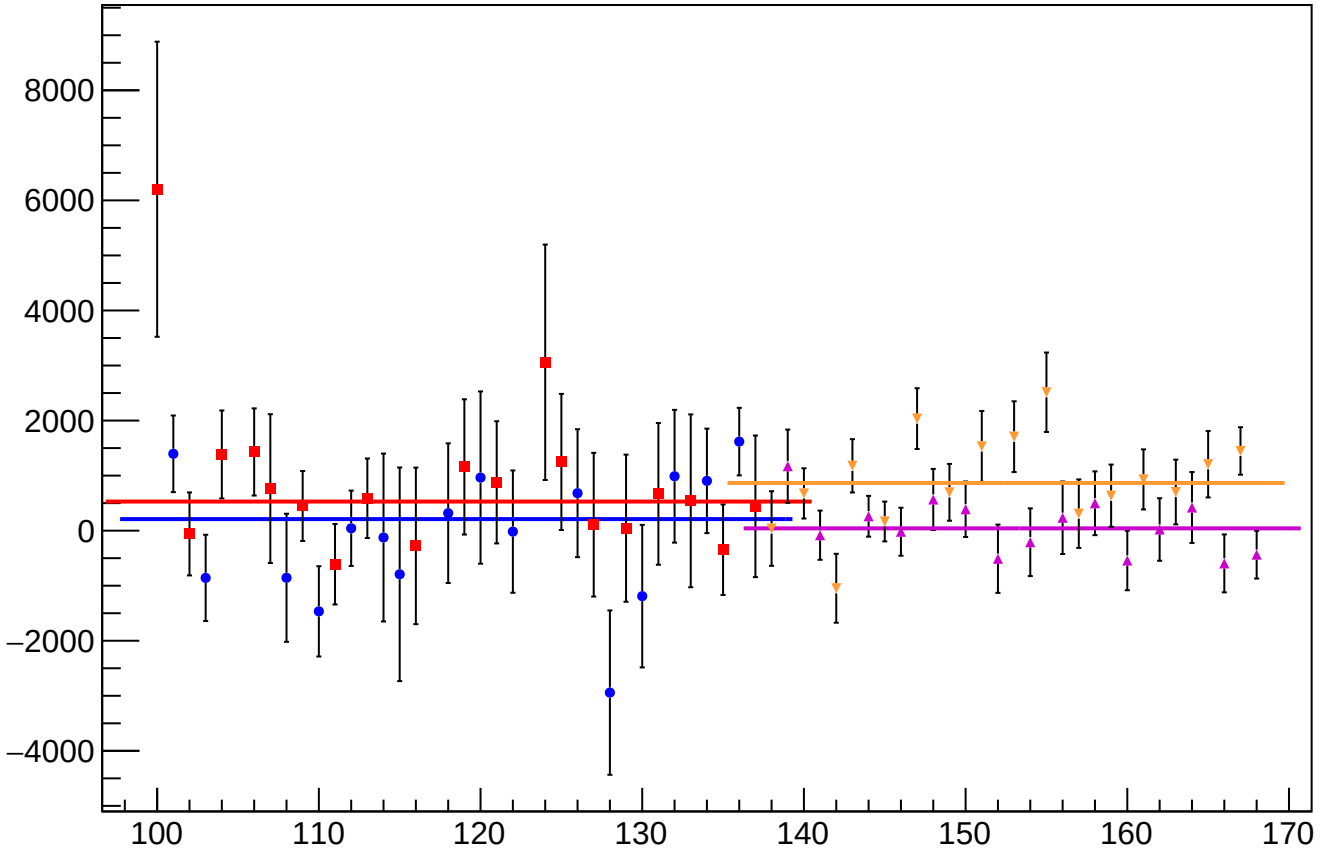
Left In: 56.130+/-0.011 χ^2/NDF:203225.6/14

+ sign 59.343+/-0.010 χ^2/NDF: 938819.2/31

All: 59.145+/-0.007 χ^2/NDF: 1657696.2/65

- sign 58.949+/-0.010 χ^2/NDF: 718030.9/33

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 866.673+/-134.430 χ^2/NDF:30.9/15

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

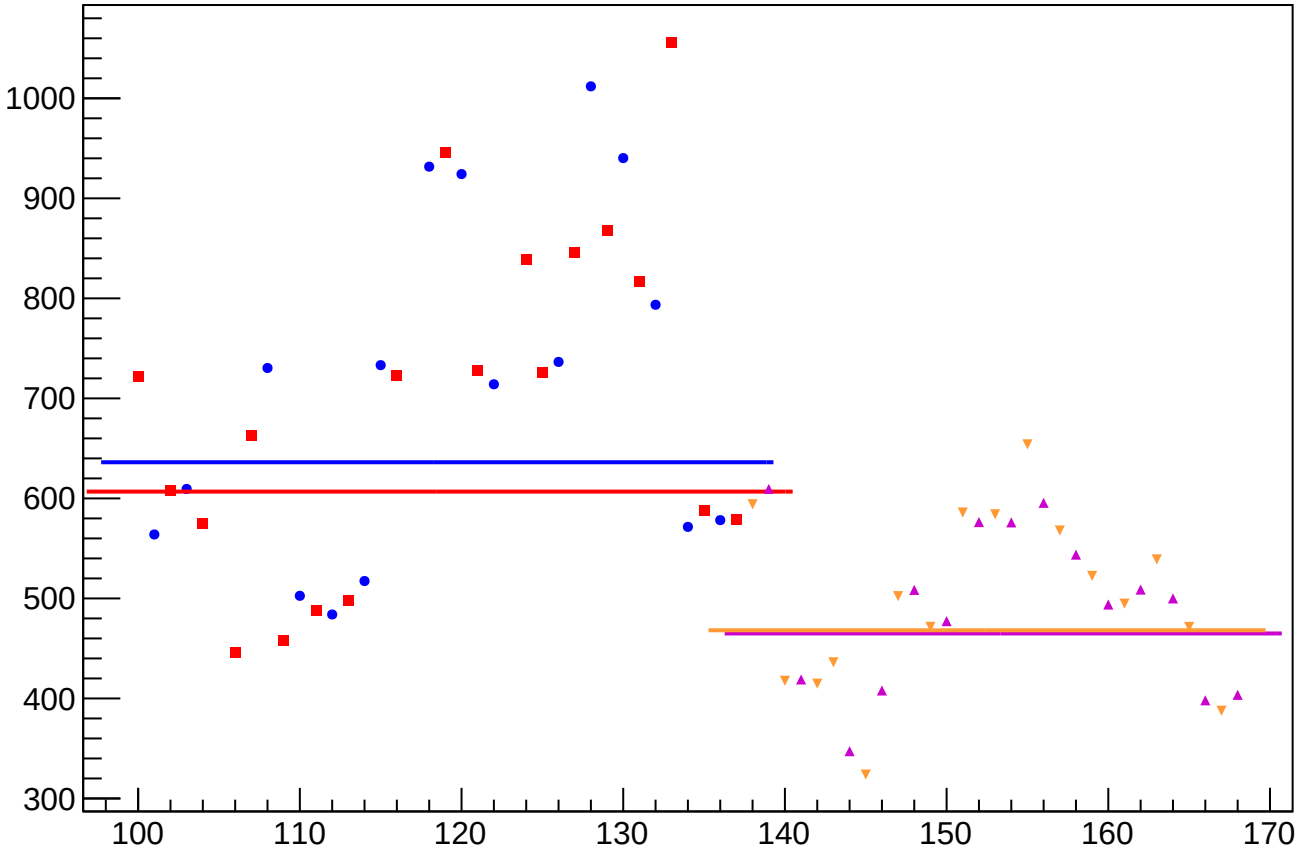
Left In: 41.802+/-134.408 χ^2/NDF:10.5/14

+ sign 713.571+/-117.720 χ^2/NDF: 58.9/31

All: 435.767+/-82.628 χ^2/NDF: 97.6/65

- sign 166.002+/-116.004 χ^2/NDF: 27.7/33

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 468.157+/-0.095 χ^2/NDF:881149.7/15

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

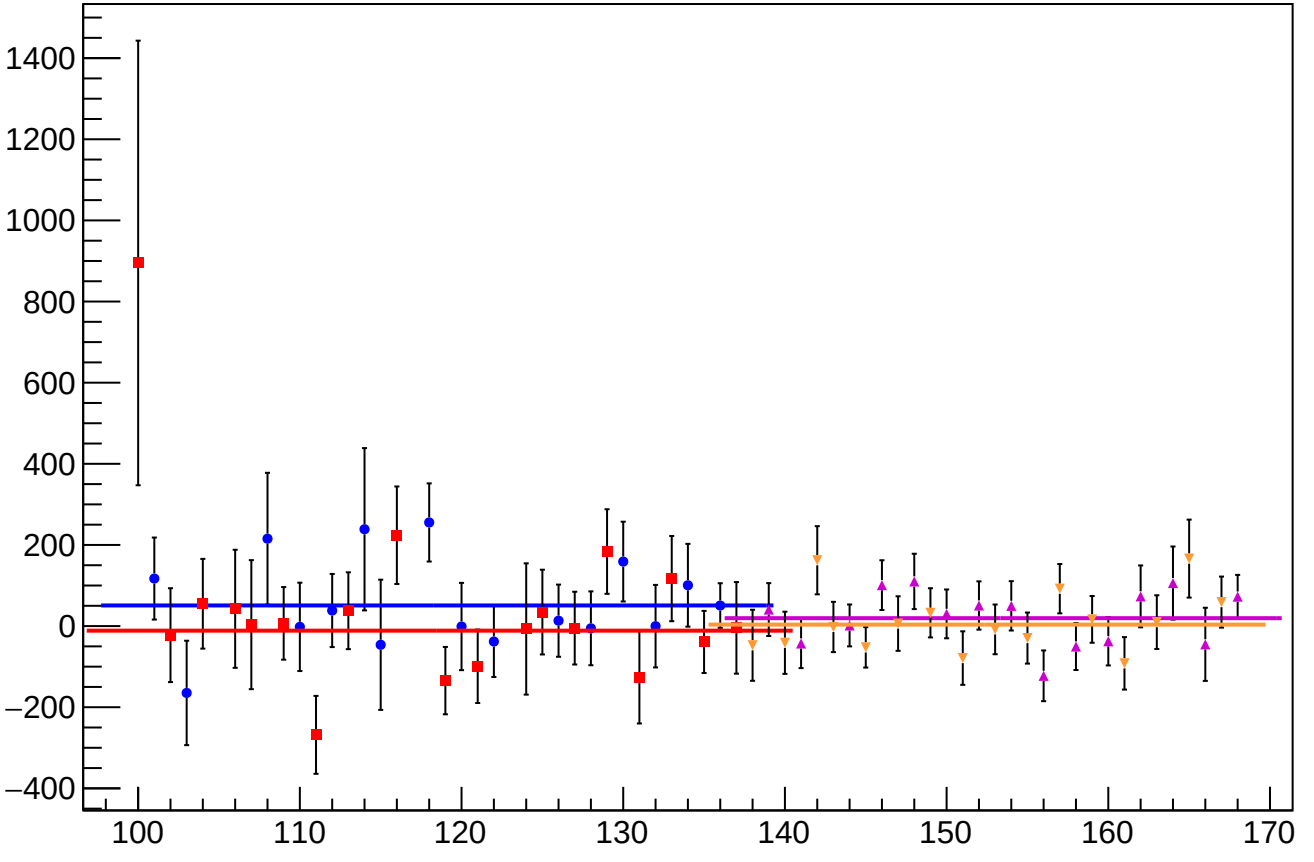
Left In: 464.979+/-0.095 χ^2/NDF:705999.2/14

+ sign 507.324+/-0.083 χ^2/NDF: 2314553.5/31

All: 504.196+/-0.058 χ^2/NDF: 4485265.6/65

- sign 501.158+/-0.082 χ^2/NDF: 2167928.2/33

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: 3.686+/-16.336 χ^2/NDF:15.6/15

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

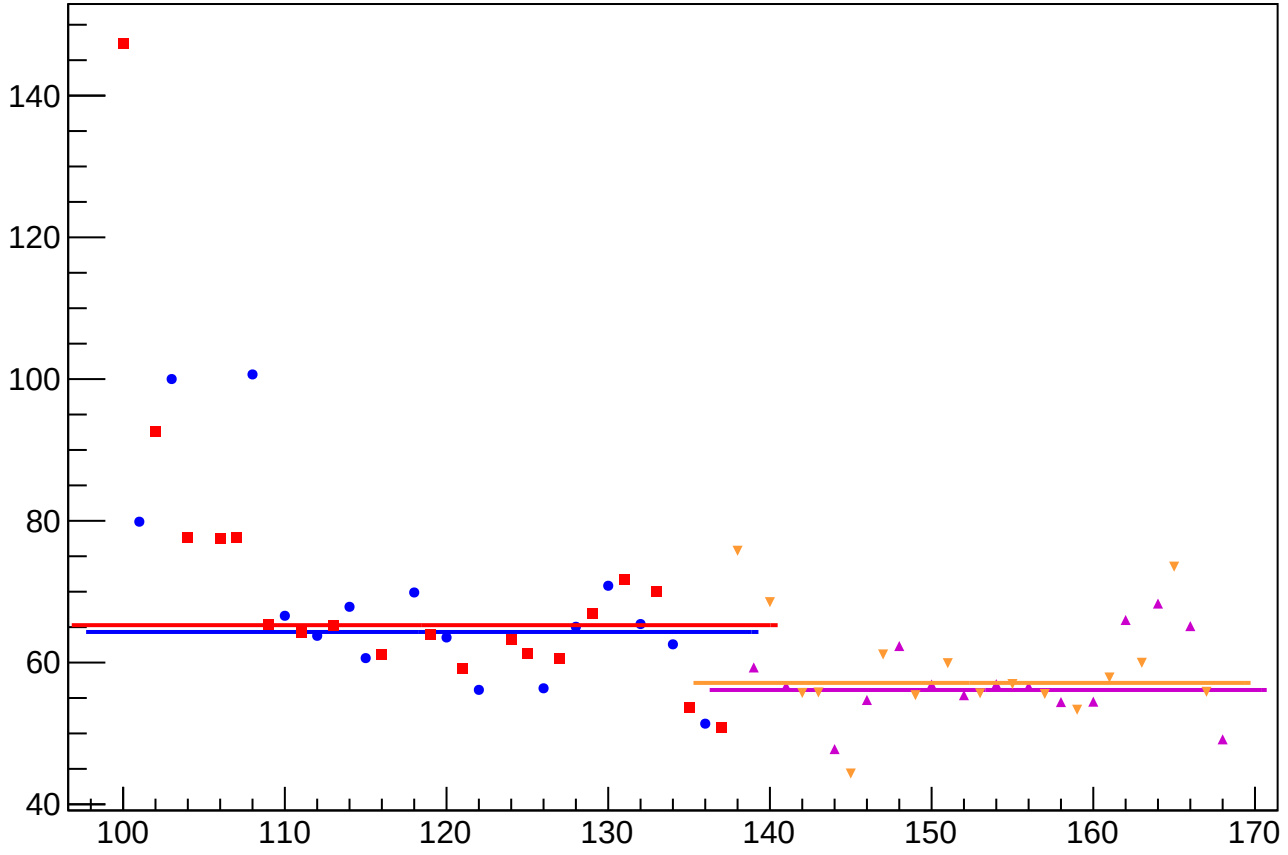
Left In: 19.482+/-16.234 χ^2/NDF:15.8/14

+ sign 18.210+/-13.590 χ^2/NDF: 32.0/31

All: 14.083+/-9.579 χ^2/NDF: 73.1/65

- sign 10.008+/-13.503 χ^2/NDF: 40.9/33

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 57.131+/-0.012 χ^2/NDF:354681.7/15

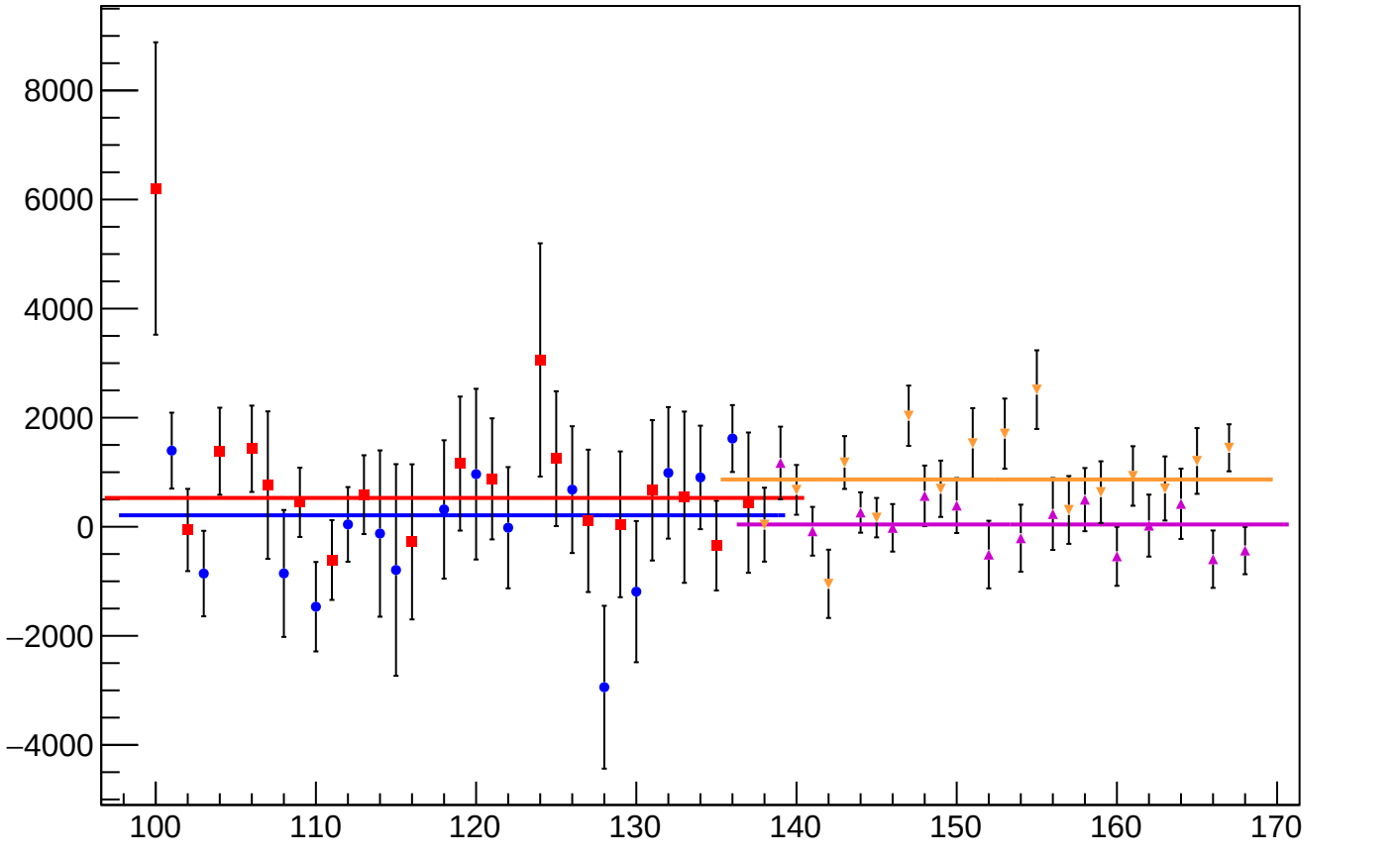
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 56.130+/-0.011 χ^2/NDF:203223.8/14

+ sign 59.343+/-0.010 χ^2/NDF: 938798.1/31

All: 59.145+/-0.007 χ^2/NDF: 1657667.6/65

- sign 58.949+/-0.010 χ^2/NDF: 718023.2/33



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 866.671+/-134.430 χ^2/NDF:30.9/15

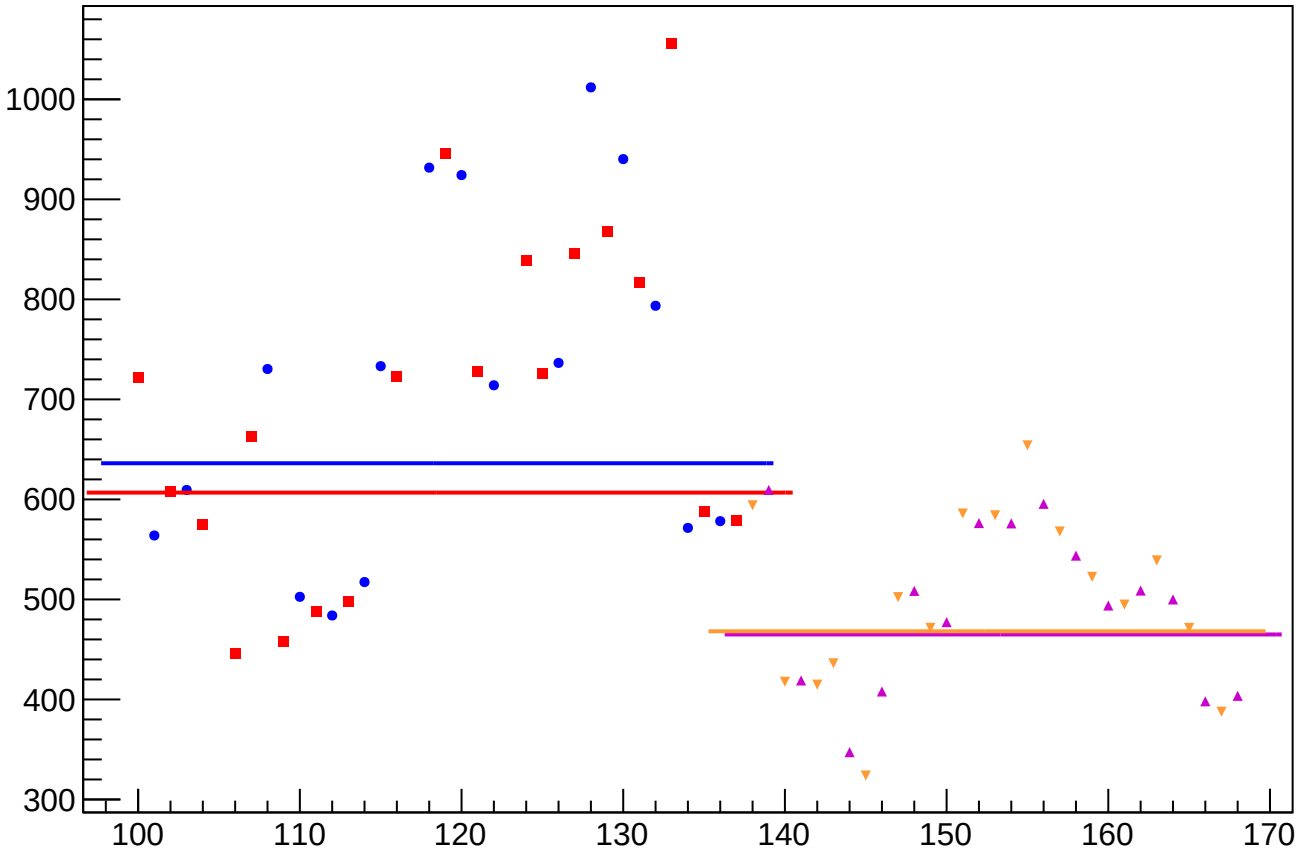
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 41.801+/-134.408 χ^2/NDF:10.5/14

+ sign 713.570+/-117.720 χ^2/NDF: 58.9/31

All: 435.766+/-82.627 χ^2/NDF: 97.6/65

- sign 166.001+/-116.004 χ^2/NDF: 27.7/33



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 468.156+/-0.095 χ^2/NDF:881159.8/15

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

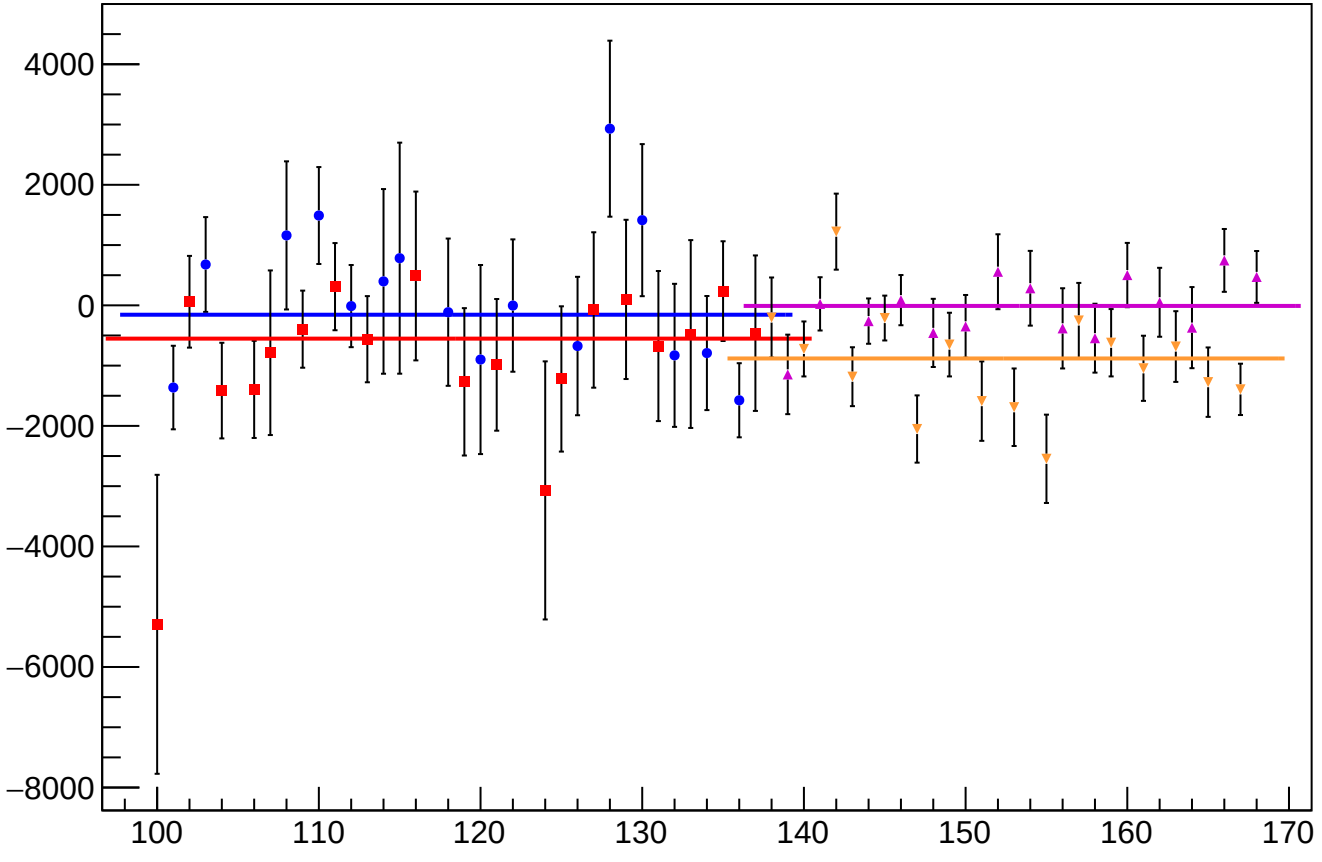
Left In: 464.978+/-0.095 χ^2/NDF:706003.9/14

+ sign 507.323+/-0.083 χ^2/NDF: 2314571.3/31

All: 504.195+/-0.058 χ^2/NDF: 4485293.5/65

- sign 501.157+/-0.082 χ^2/NDF: 2167938.5/33

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -881.314+/-134.829 χ^2/NDF:31.8/15

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

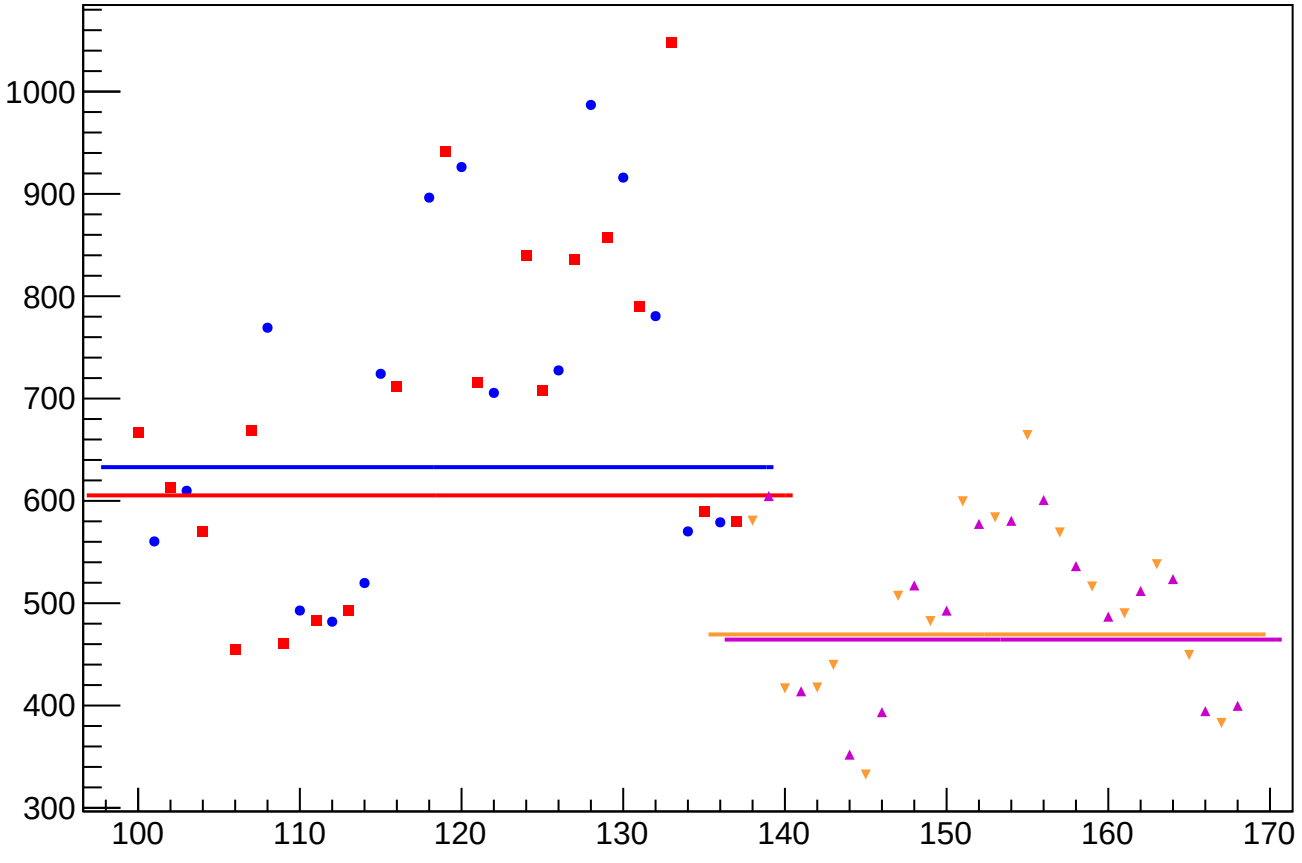
Left In: -9.570+/-134.292 χ^2/NDF:11.3/14

+ sign -710.064+/-117.850 χ^2/NDF: 61.1/31

All: -424.433+/-82.609 χ^2/NDF: 100.3/65

- sign -148.520+/-115.828 χ^2/NDF: 27.7/33

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 469.488+/-0.095 χ^2/NDF:847616.0/15

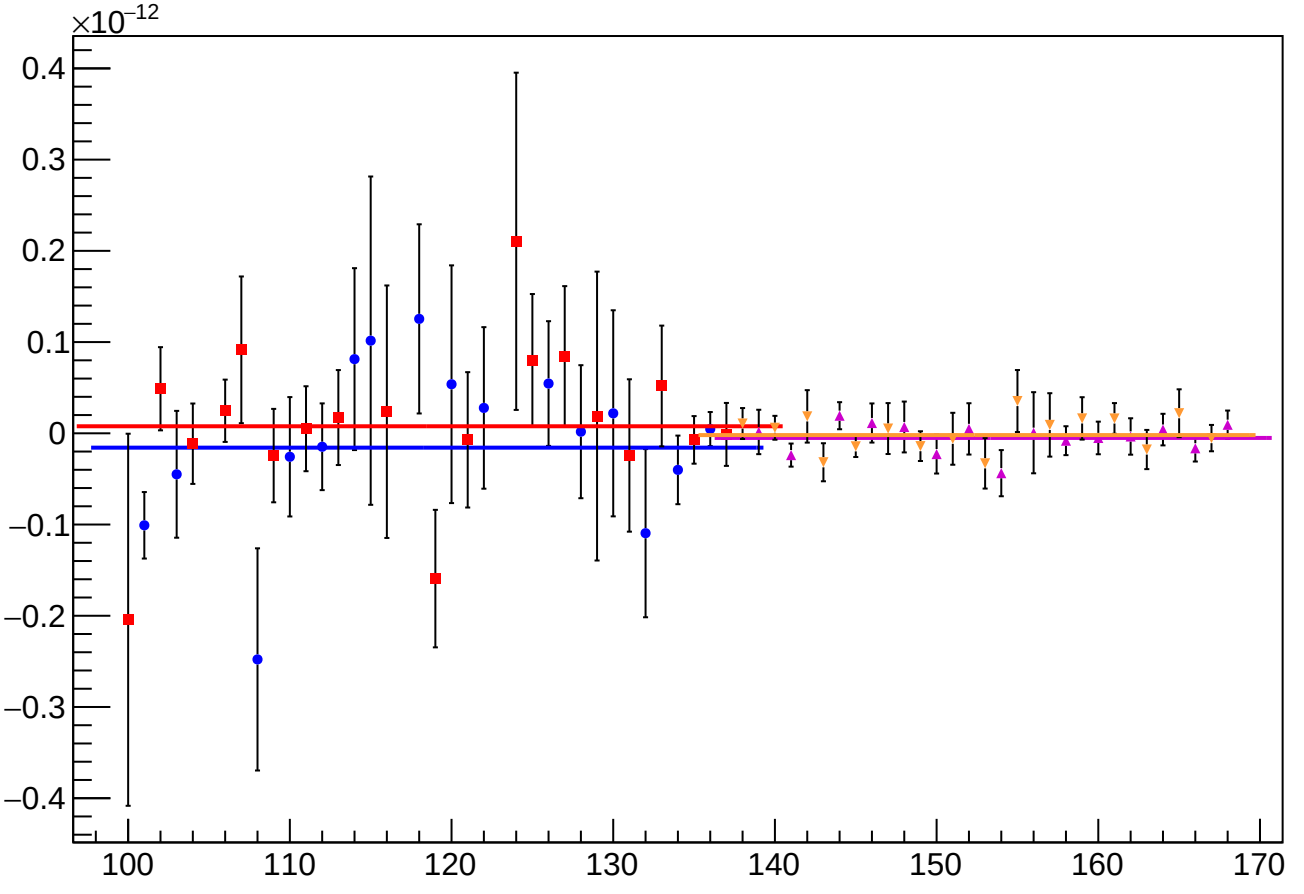
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 464.444+/-0.095 χ^2/NDF:742732.9/14

+ sign 508.067+/-0.083 χ^2/NDF: 2222634.5/31

All: 504.235+/-0.058 χ^2/NDF: 4387549.7/65

- sign 500.533+/-0.082 χ^2/NDF: 2160757.4/33



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/15

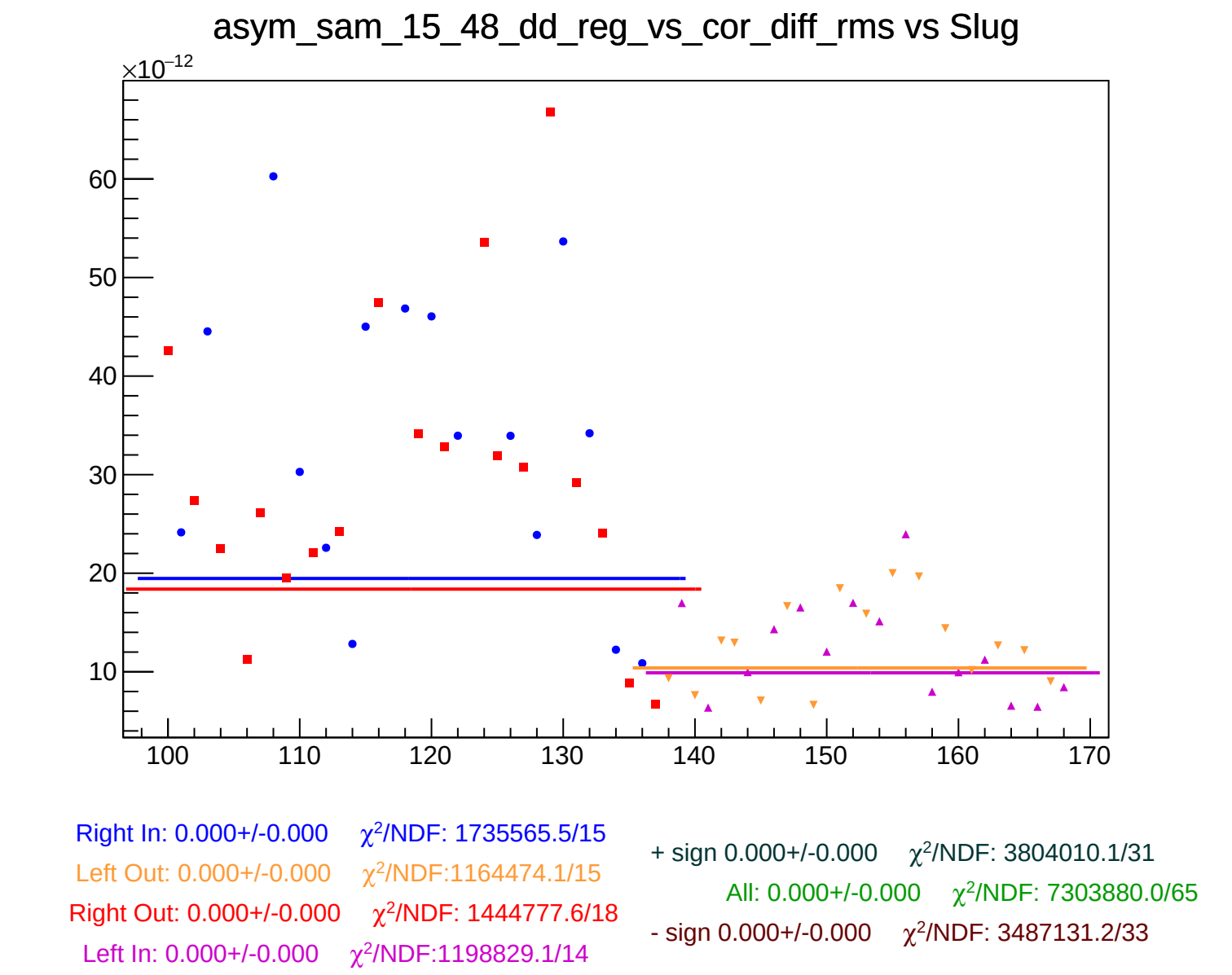
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/14

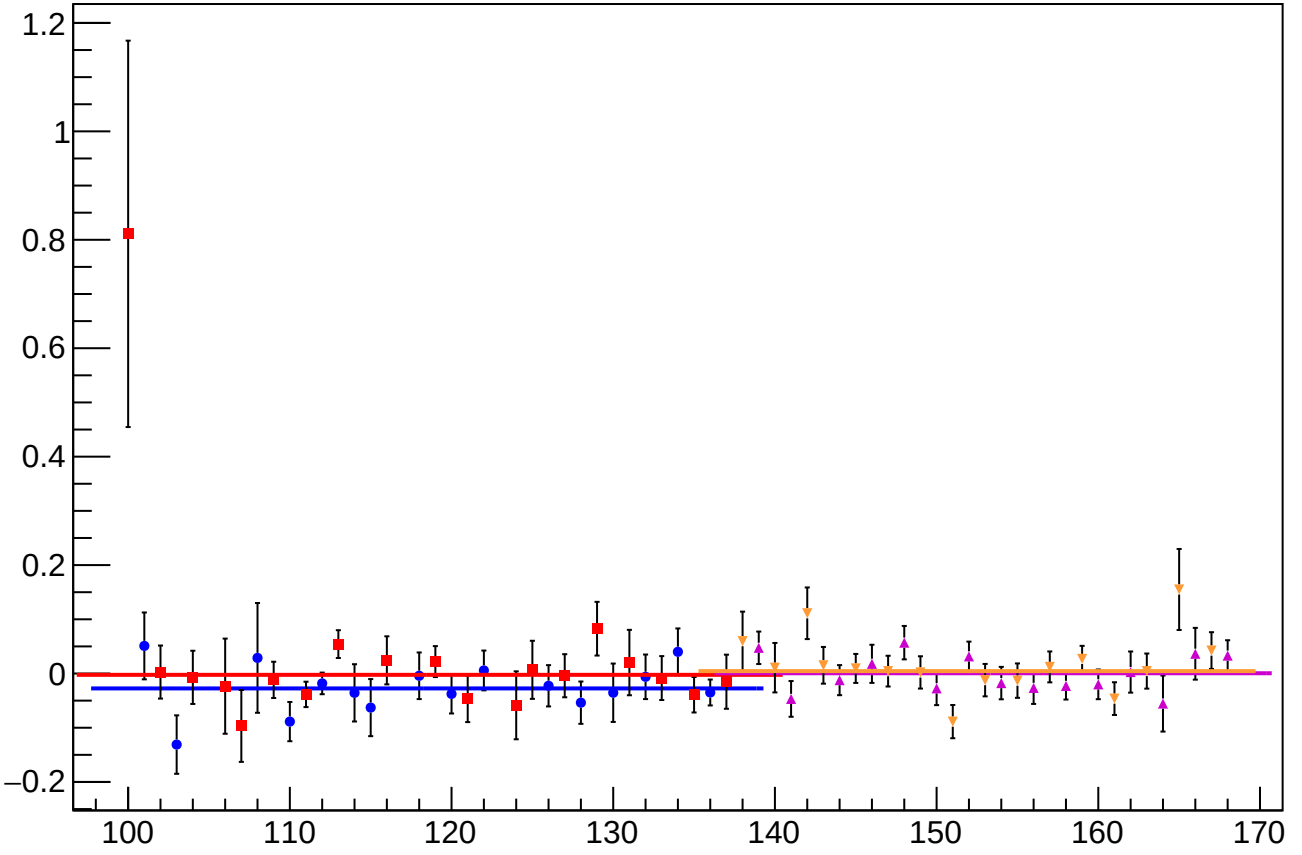
+ sign -0.000+/-0.000 χ^2/NDF: 29.0/31

All: -0.000+/-0.000 χ^2/NDF: 53.6/65

- sign -0.000+/-0.000 χ^2/NDF: 24.6/33


asym_sam_15_48_dd_reg_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: 1735565.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1164474.1/15
Right Out: 0.000+/-0.000 χ²/NDF: 1444777.6/18
Left In: 0.000+/-0.000 χ²/NDF:1198829.1/14
+ sign 0.000+/-0.000 χ²/NDF: 3804010.1/31
All: 0.000+/-0.000 χ²/NDF: 7303880.0/65
- sign 0.000+/-0.000 χ²/NDF: 3487131.2/33

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+/-0.008 χ^2/NDF:25.2/15

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

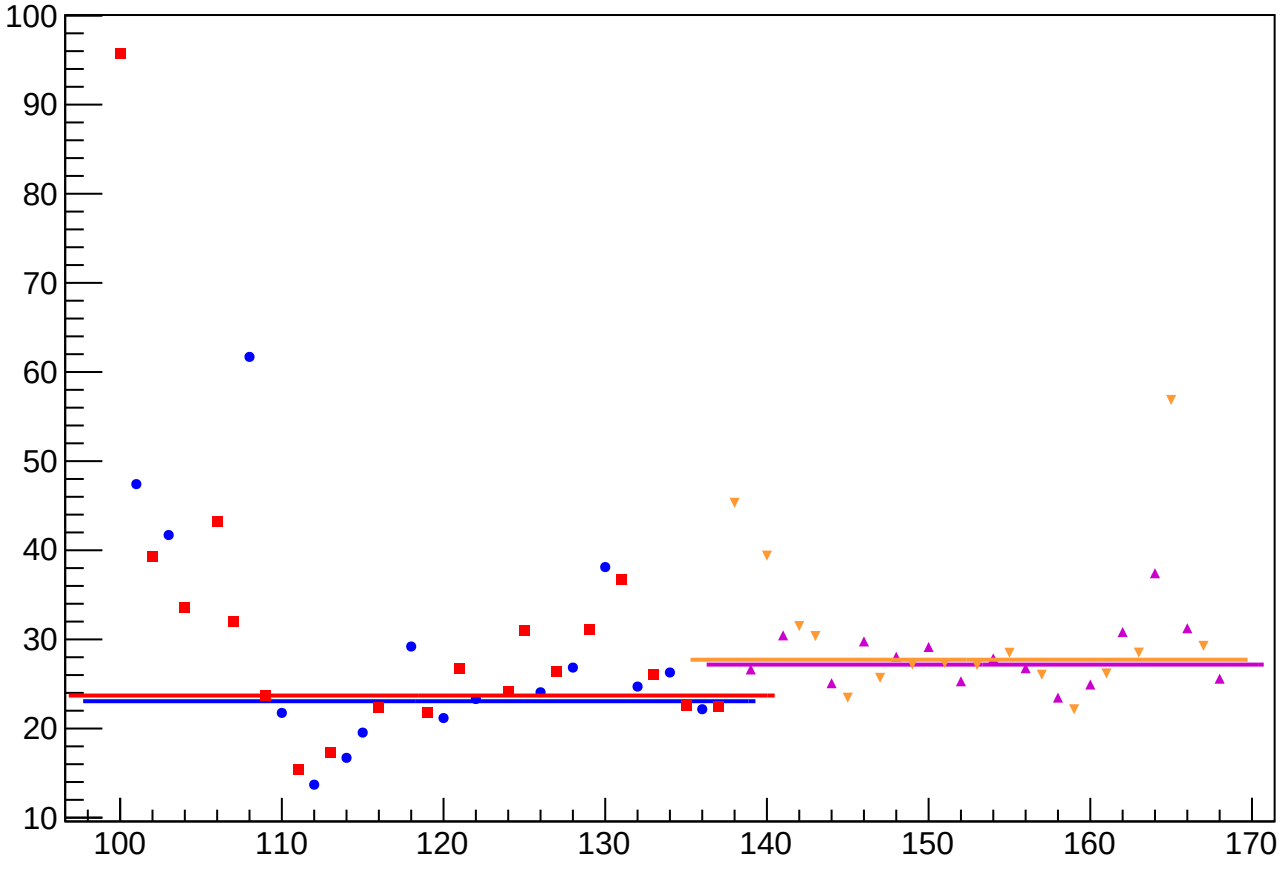
Left In: 0.001+/-0.008 χ^2/NDF:16.1/14

+ sign -0.009+/-0.006 χ^2/NDF: 45.4/31

All: -0.005+/-0.004 χ^2/NDF: 84.6/65

- sign -0.001+/-0.006 χ^2/NDF: 38.3/33

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: 27.723+/-0.006 χ^2/NDF:857673.9/15

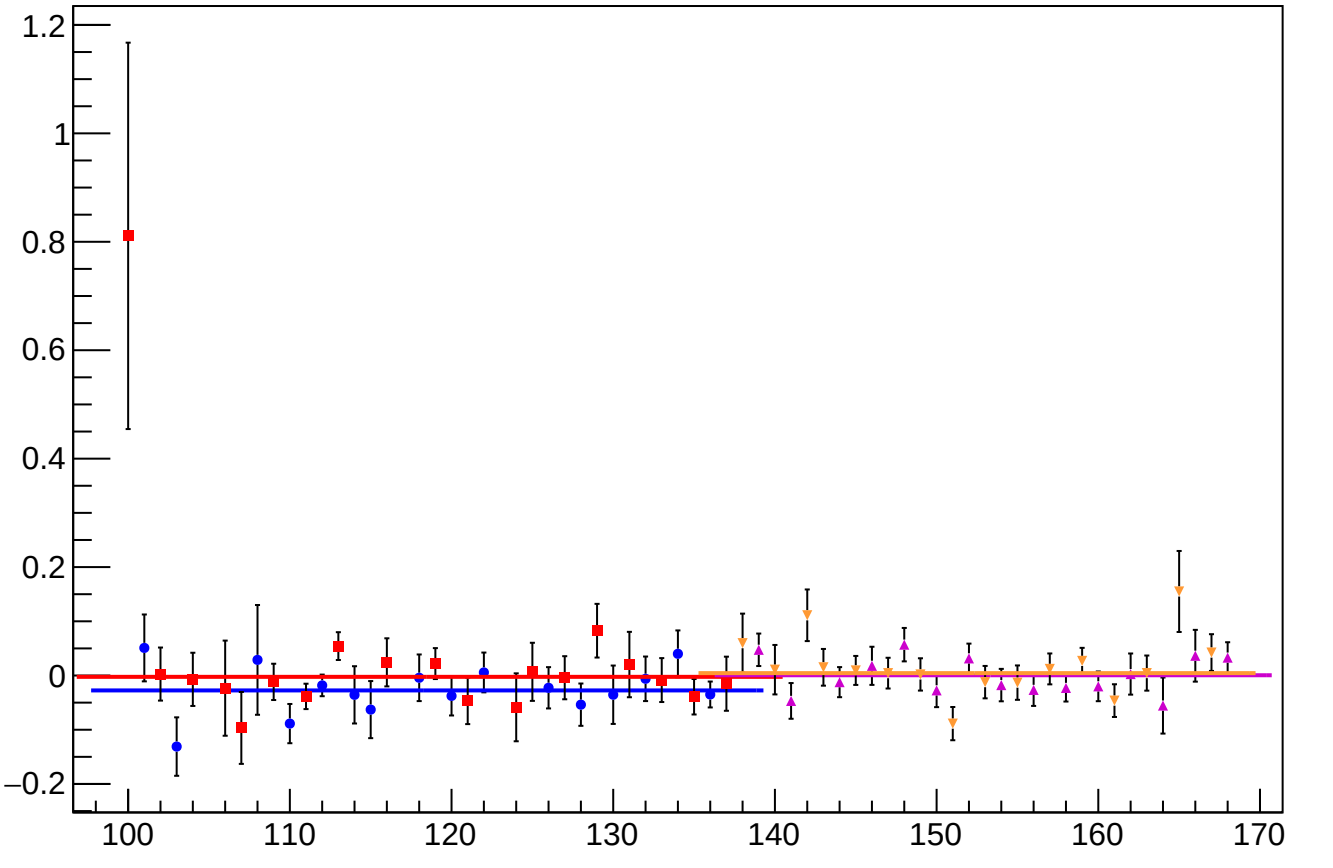
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.173+/-0.006 χ^2/NDF:238053.5/14

+ sign 25.729+/-0.004 χ^2/NDF: 2703344.1/31

All: 25.709+/-0.003 χ^2/NDF: 4189730.5/65

- sign 25.690+/-0.004 χ^2/NDF: 1486344.0/33



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.008 χ^2/NDF:25.2/15

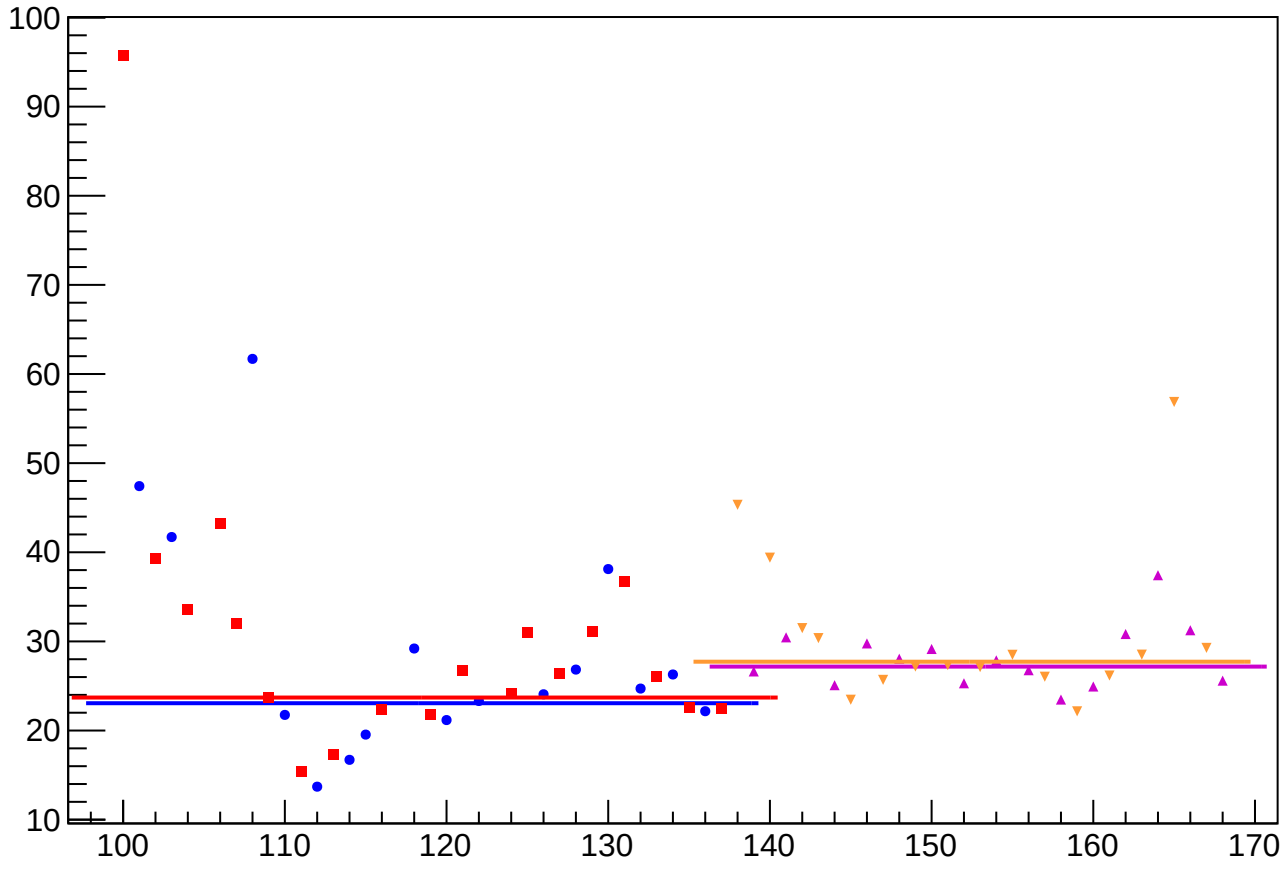
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.001+/-0.008 χ^2/NDF:16.1/14

+ sign -0.009+/-0.006 χ^2/NDF: 45.4/31

All: -0.005+/-0.004 χ^2/NDF: 84.6/65

- sign -0.001+/-0.006 χ^2/NDF: 38.3/33



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.723+/-0.006 χ^2/NDF:857673.9/15

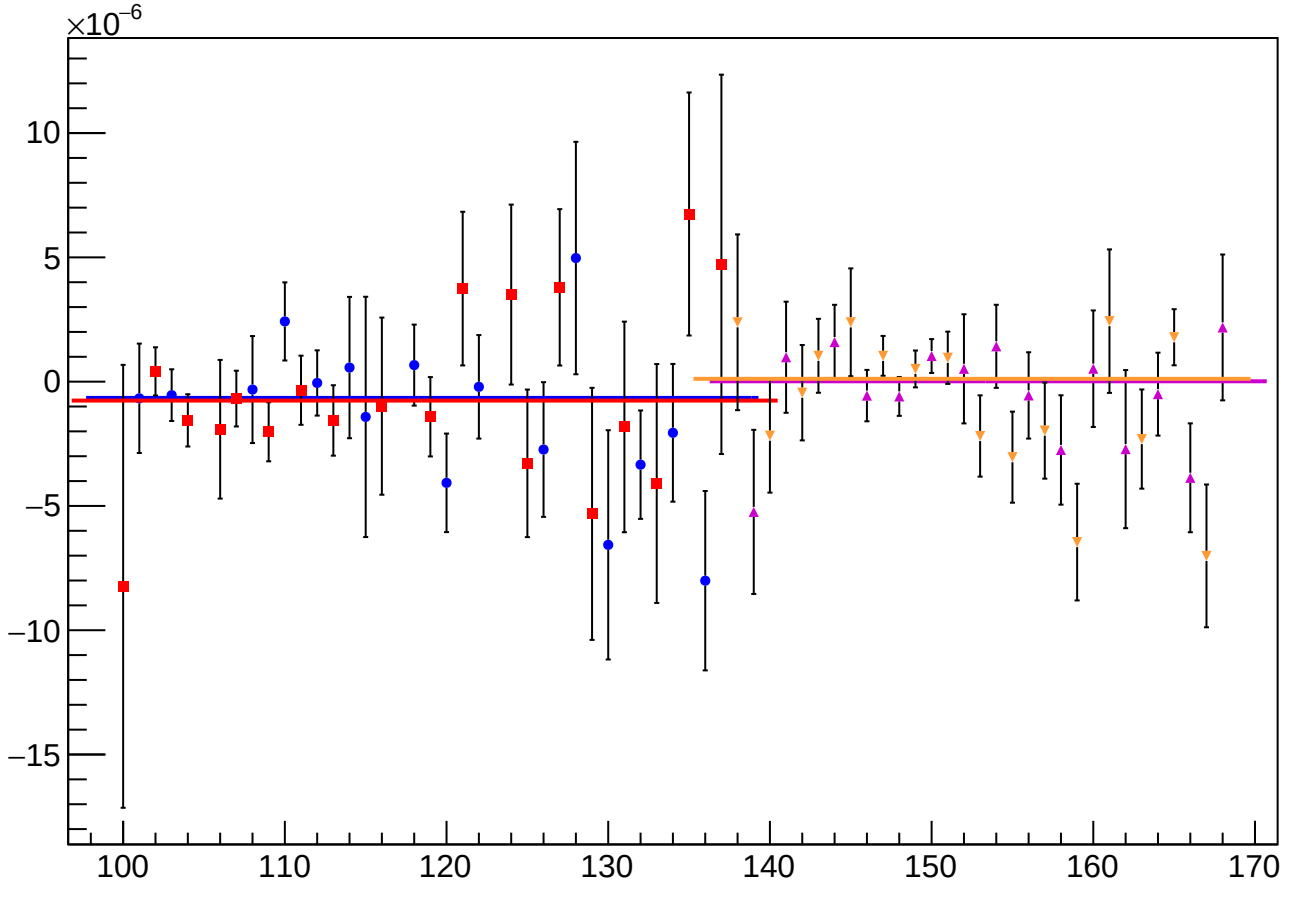
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.173+/-0.006 χ^2/NDF:238053.5/14

+ sign 25.729+/-0.004 χ^2/NDF: 2703344.1/31

All: 25.709+/-0.003 χ^2/NDF: 4189730.5/65

- sign 25.690+/-0.004 χ^2/NDF: 1486344.0/33



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.6/15

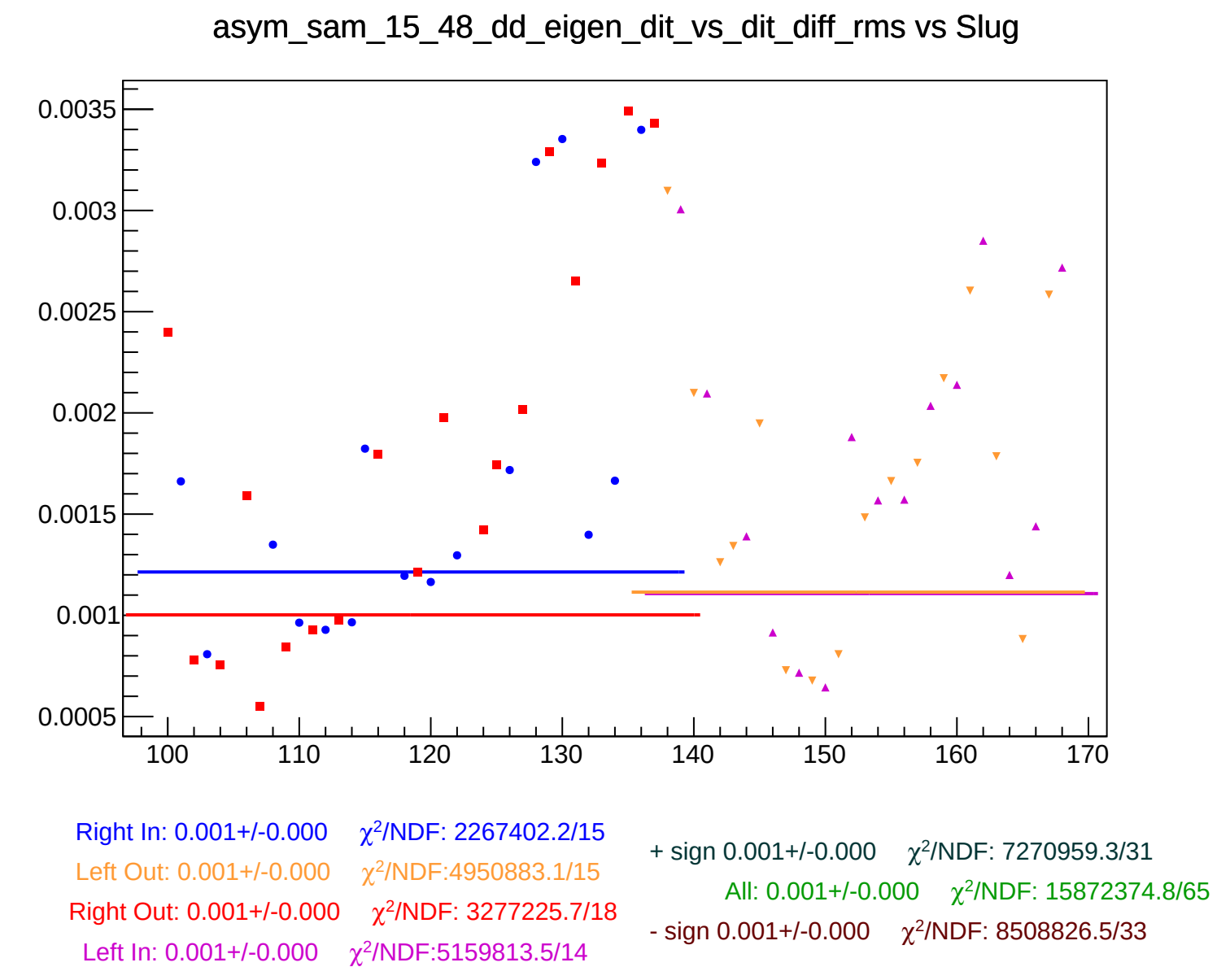
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.0/14

+ sign -0.000+/-0.000 χ^2/NDF: 48.8/31

All: -0.000+/-0.000 χ^2/NDF: 80.1/65

- sign -0.000+/-0.000 χ^2/NDF: 31.1/33


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
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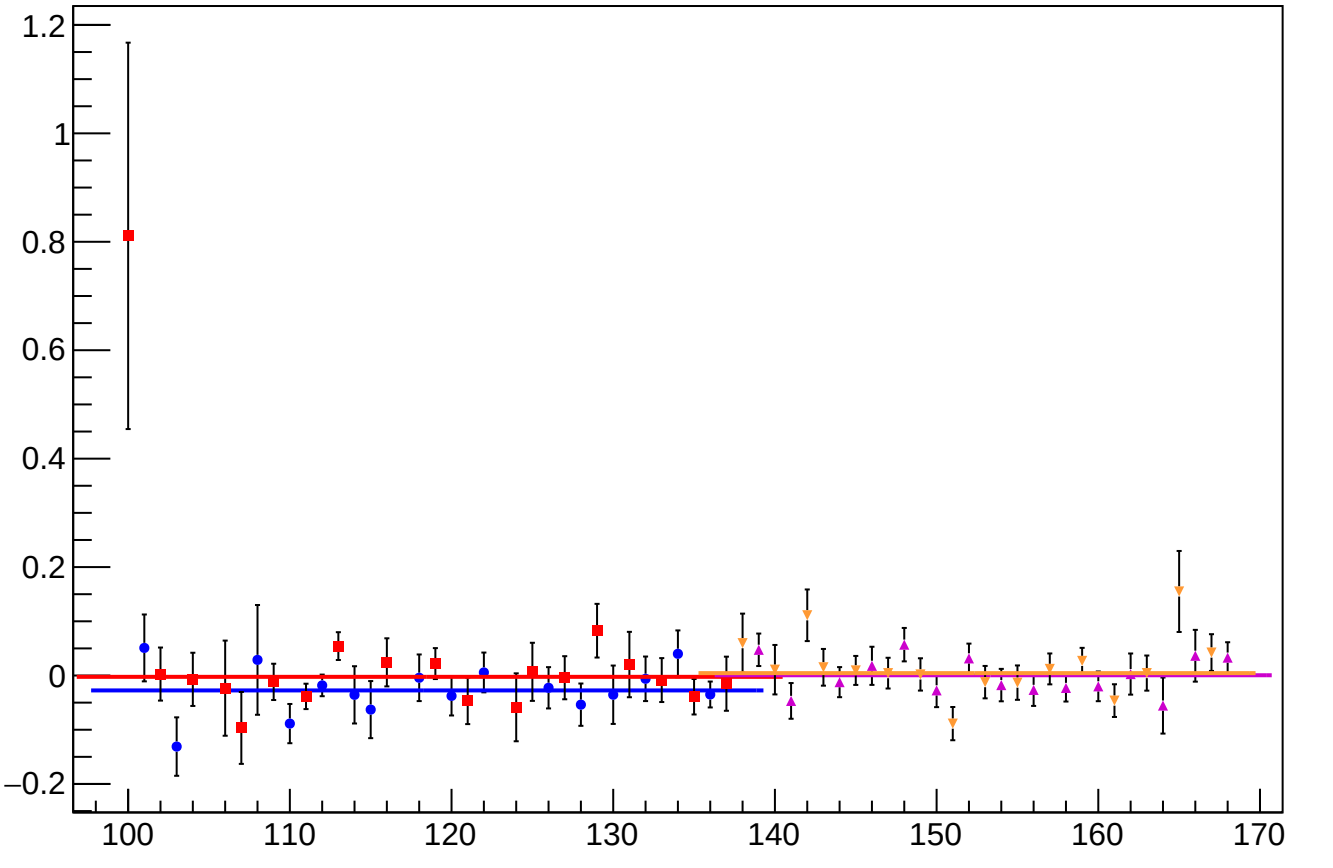
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:4950883.1/15
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:5159813.5/14
+ sign 0.001+/-0.000 χ²/NDF: 7270959.3/31
All: 0.001+/-0.000 χ²/NDF: 15872374.8/65
- sign 0.001+/-0.000 χ²/NDF: 8508826.5/33



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.008 χ^2/NDF:25.2/15

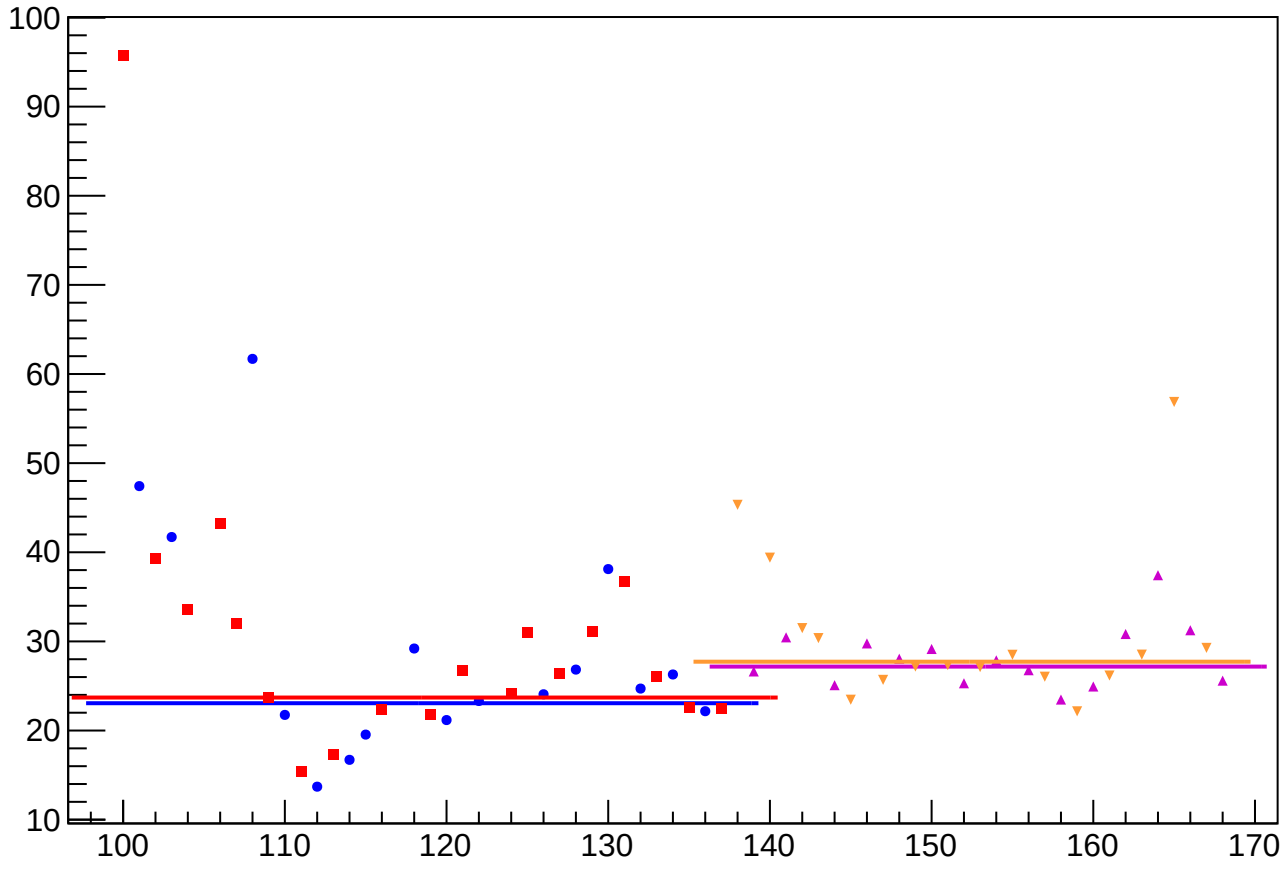
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.001+/-0.008 χ^2/NDF:16.1/14

+ sign -0.009+/-0.006 χ^2/NDF: 45.4/31

All: -0.005+/-0.004 χ^2/NDF: 84.6/65

- sign -0.001+/-0.006 χ^2/NDF: 38.3/33



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.724+/-0.006 χ^2/NDF:857627.1/15

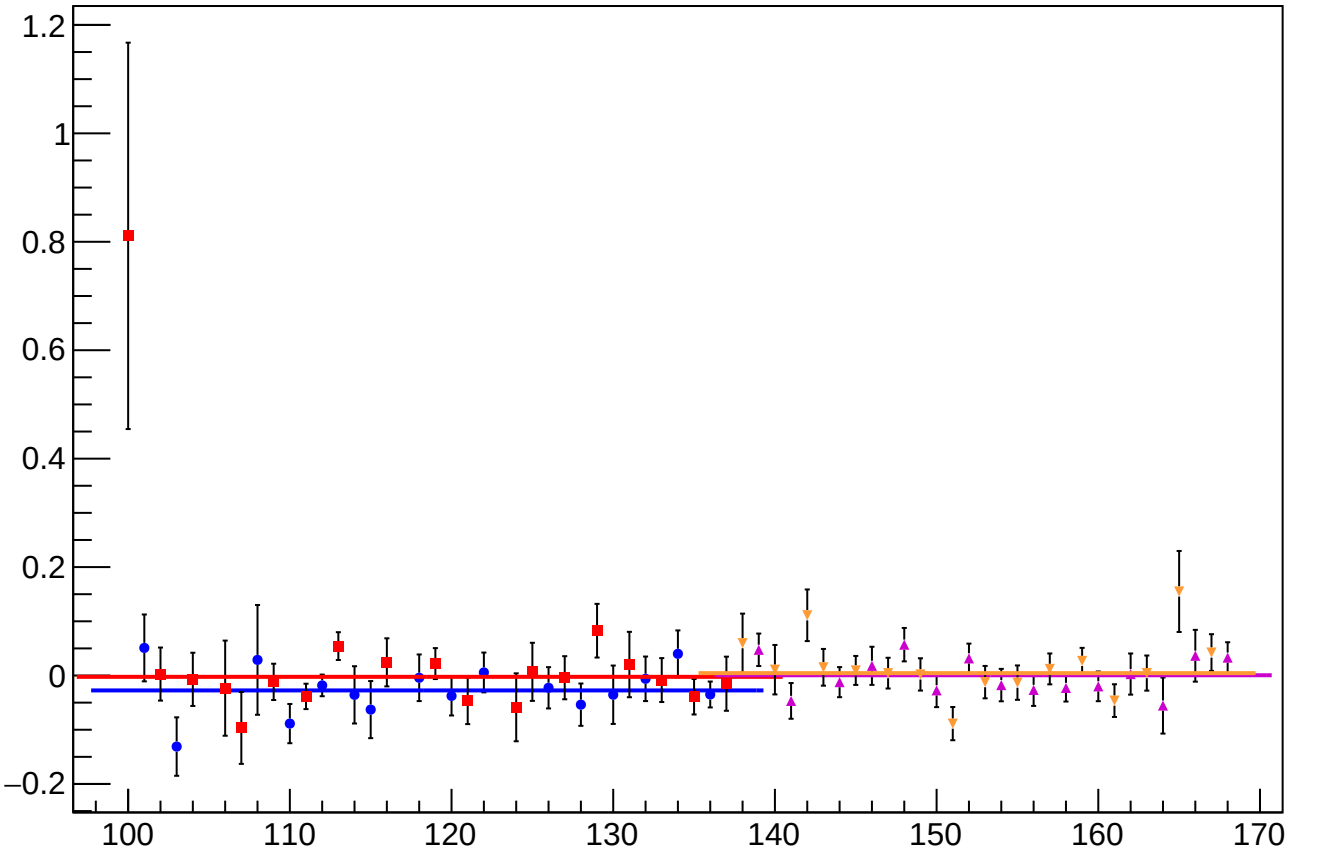
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.174+/-0.006 χ^2/NDF:238048.7/14

+ sign 25.730+/-0.004 χ^2/NDF: 2703376.9/31

All: 25.709+/-0.003 χ^2/NDF: 4189840.8/65

- sign 25.690+/-0.004 χ^2/NDF: 1486421.3/33



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.008 χ^2/NDF:25.2/15

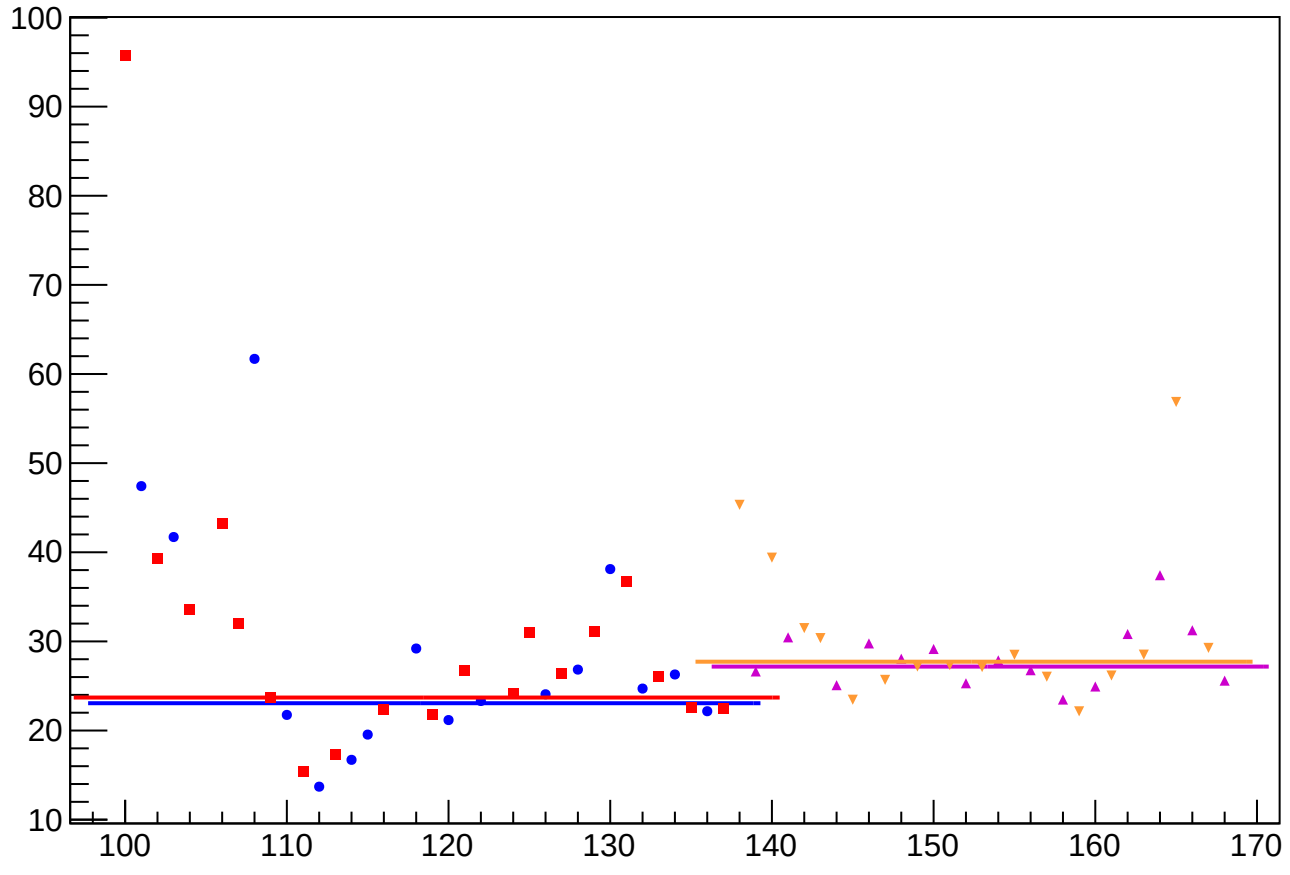
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.001+/-0.008 χ^2/NDF:16.1/14

+ sign -0.009+/-0.006 χ^2/NDF: 45.4/31

All: -0.005+/-0.004 χ^2/NDF: 84.6/65

- sign -0.001+/-0.006 χ^2/NDF: 38.3/33



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.724+/-0.006 χ^2/NDF:857627.1/15

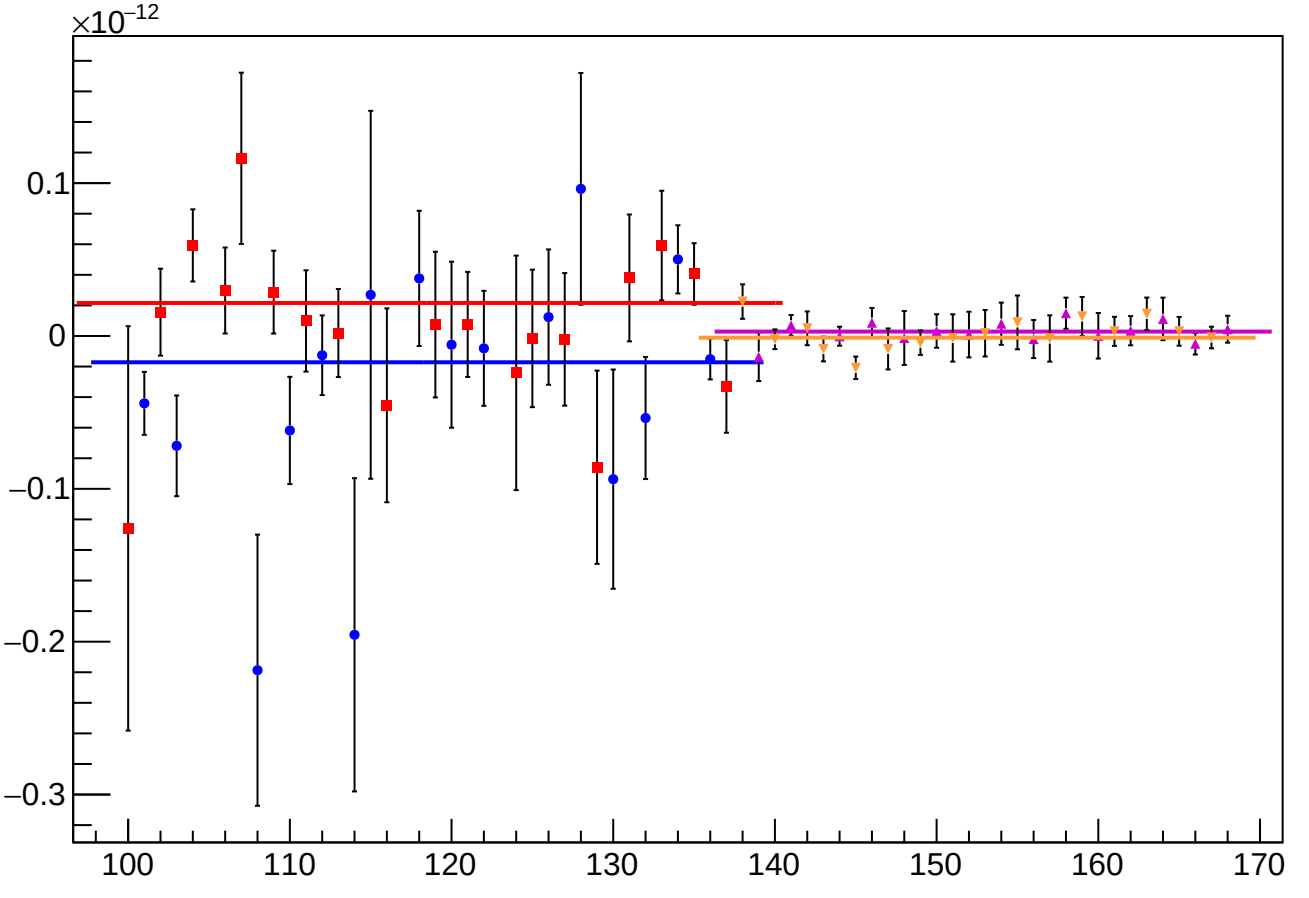
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.174+/-0.006 χ^2/NDF:238048.7/14

+ sign 25.730+/-0.004 χ^2/NDF: 2703376.9/31

All: 25.709+/-0.003 χ^2/NDF: 4189840.8/65

- sign 25.690+/-0.004 χ^2/NDF: 1486421.3/33



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.3/15

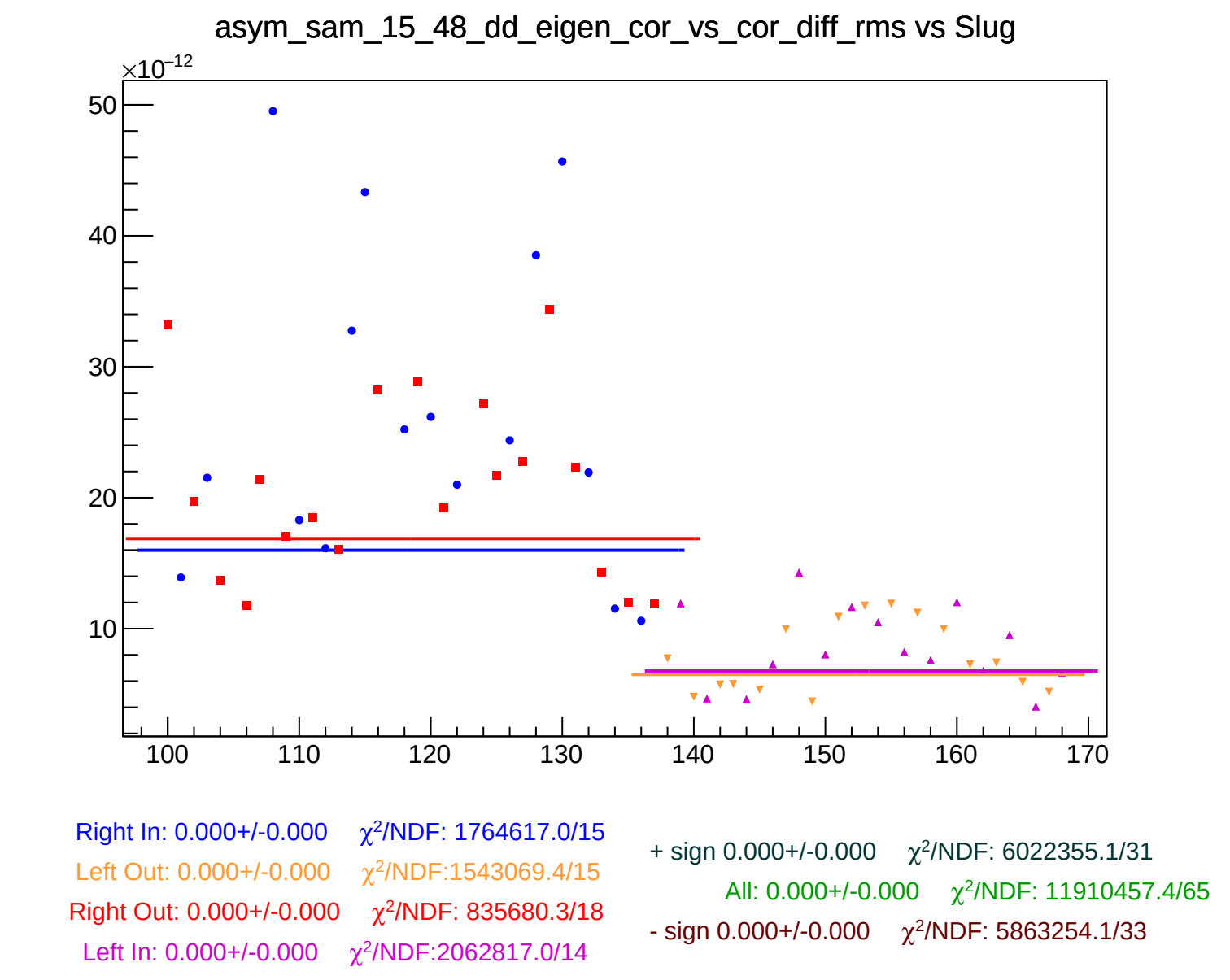
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.5/14

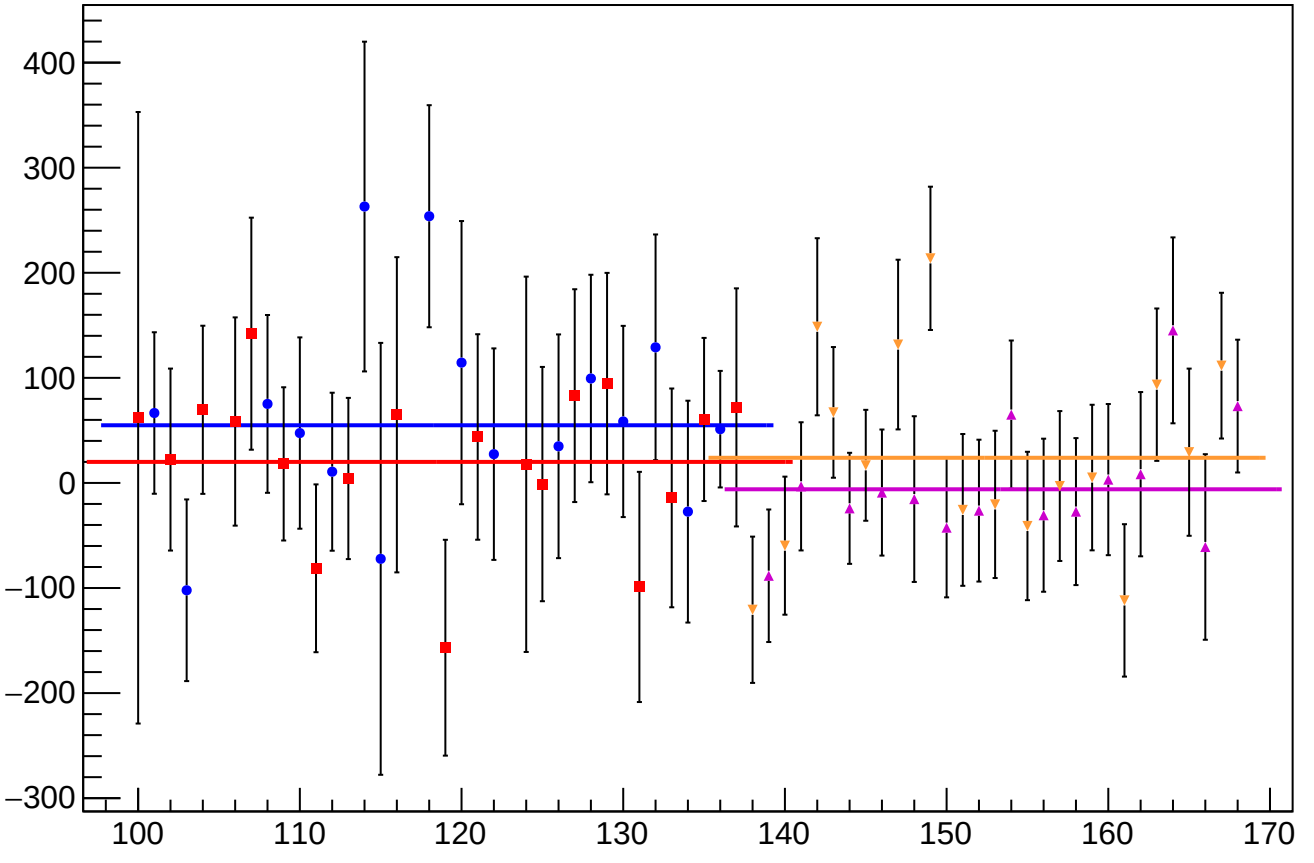
+ sign -0.000+/-0.000 χ^2/NDF: 51.1/31

All: 0.000+/-0.000 χ^2/NDF: 84.2/65

- sign 0.000+/-0.000 χ^2/NDF: 28.6/33


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:1543069.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:2062817.0/14
+ sign 0.000+/-0.000 χ²/NDF: 6022355.1/31
All: 0.000+/-0.000 χ²/NDF: 11910457.4/65
- sign 0.000+/-0.000 χ²/NDF: 5863254.1/33

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 23.939+/-17.376 χ^2/NDF:26.1/15

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

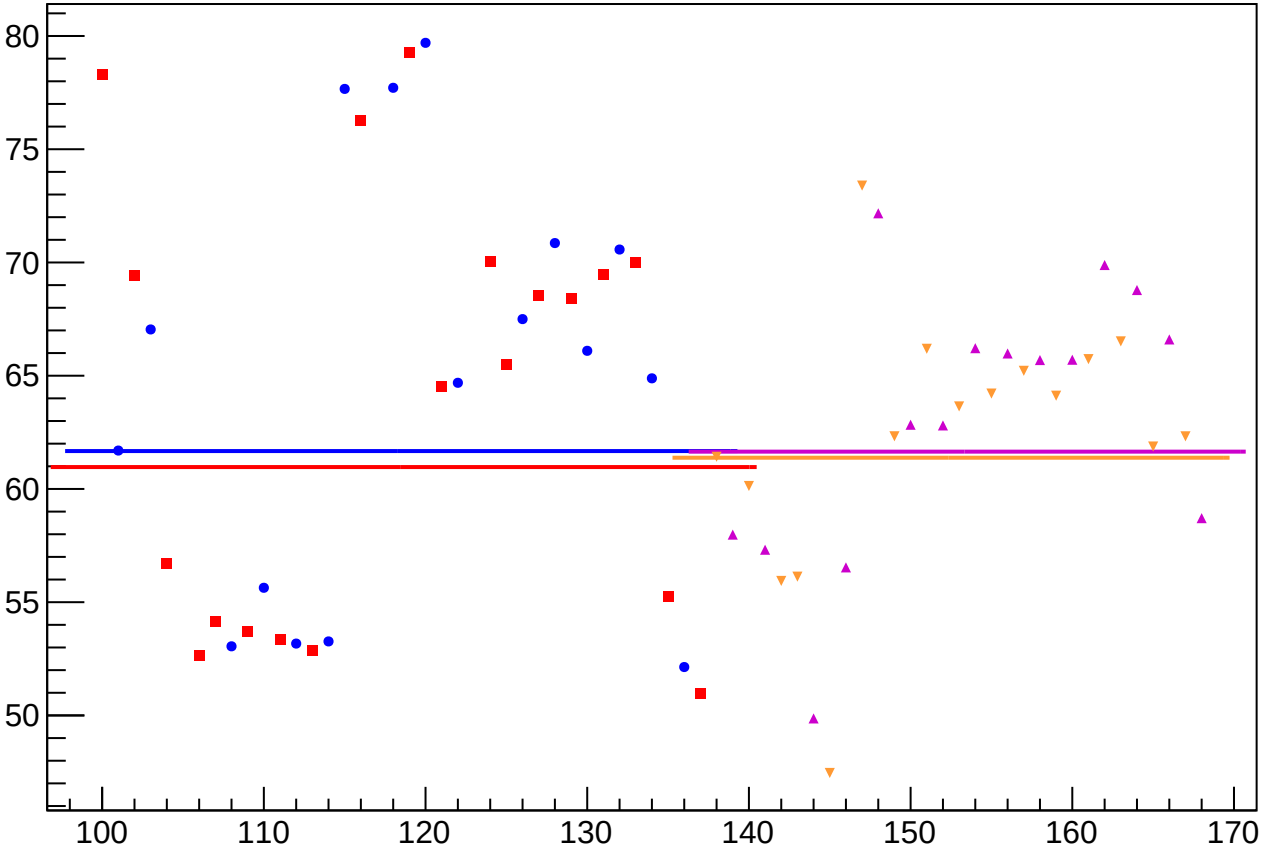
Left In: -6.042+/-17.619 χ^2/NDF:8.4/14

+ sign 35.072+/-13.903 χ^2/NDF: 38.3/31

All: 19.433+/-9.826 χ^2/NDF: 59.3/65

- sign 3.826+/-13.889 χ^2/NDF: 18.4/33

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.379+/-0.012 χ^2/NDF:247891.6/15

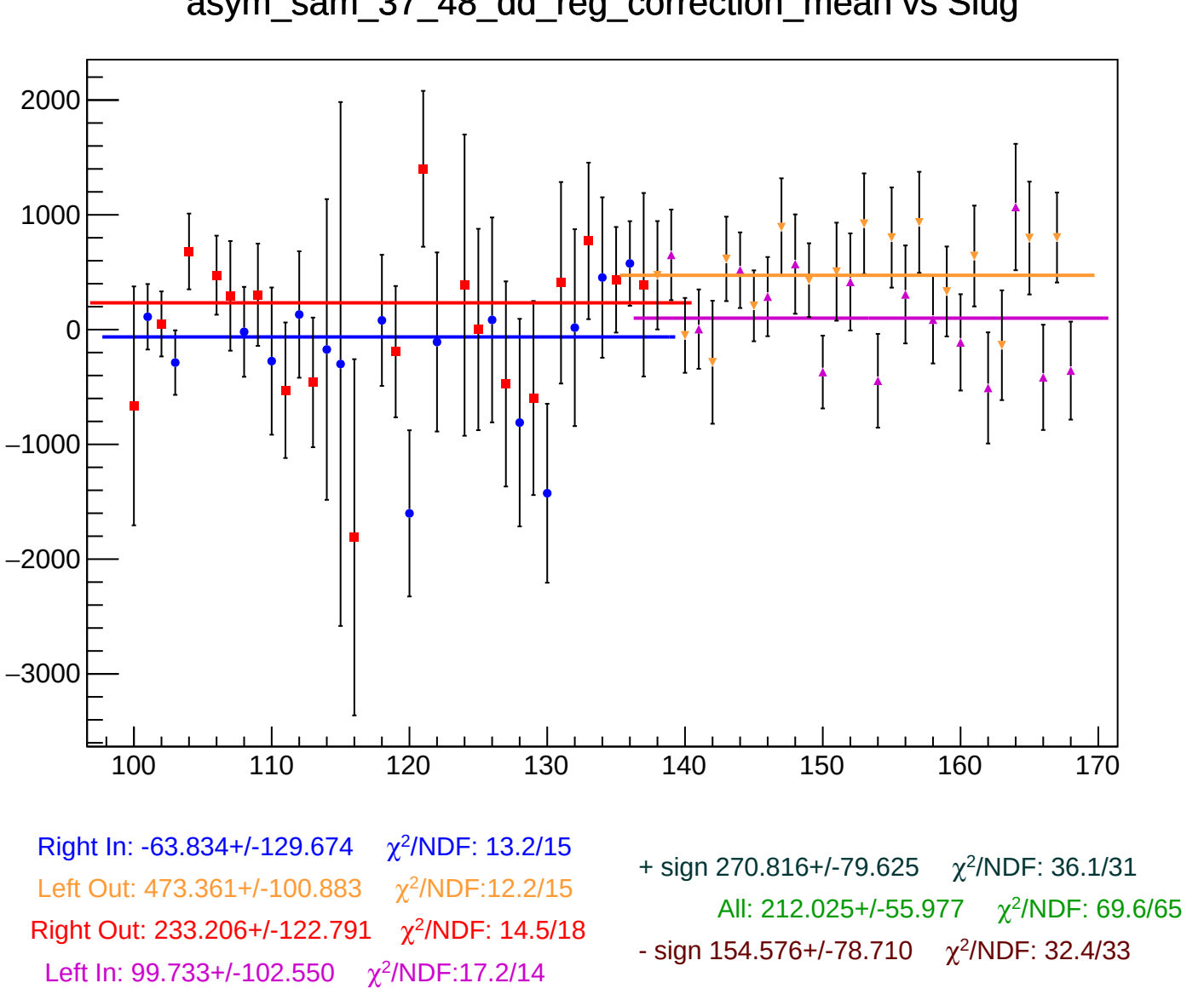
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.647+/-0.012 χ^2/NDF:241977.2/14

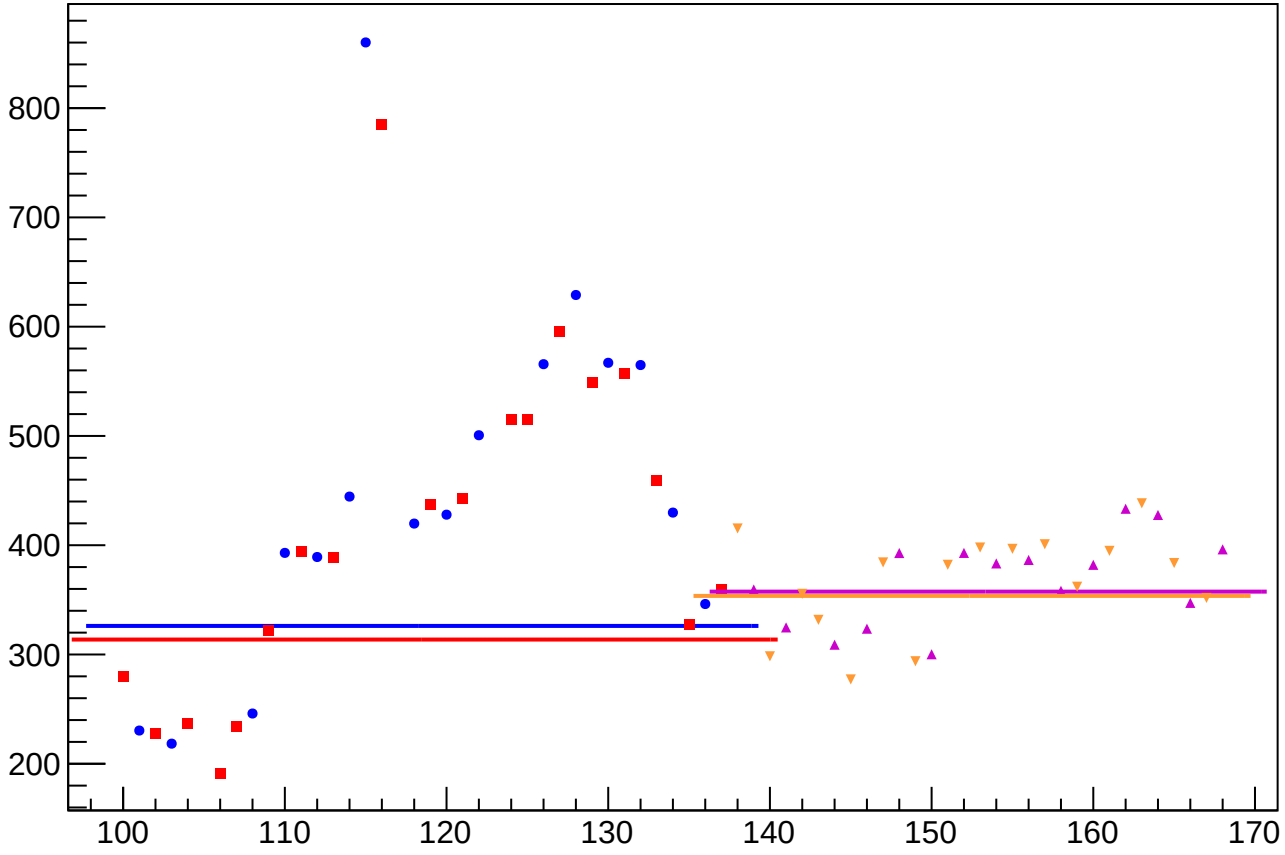
+ sign 61.485+/-0.010 χ^2/NDF: 515205.4/31

All: 61.437+/-0.007 χ^2/NDF: 1042544.1/65

- sign 61.390+/-0.010 χ^2/NDF: 527291.8/33


asym_sam_37_48_dd_reg_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: -63.834+/-129.674 χ²/NDF: 13.2/15
Left Out: 473.361+/-100.883 χ²/NDF:12.2/15
Right Out: 233.206+/-122.791 χ²/NDF: 14.5/18
Left In: 99.733+/-102.550 χ²/NDF:17.2/14
+ sign 270.816+/-79.625 χ²/NDF: 36.1/31
All: 212.025+/-55.977 χ²/NDF: 69.6/65
- sign 154.576+/-78.710 χ²/NDF: 32.4/33

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 353.613+/-0.071 χ^2/NDF:461401.1/15

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

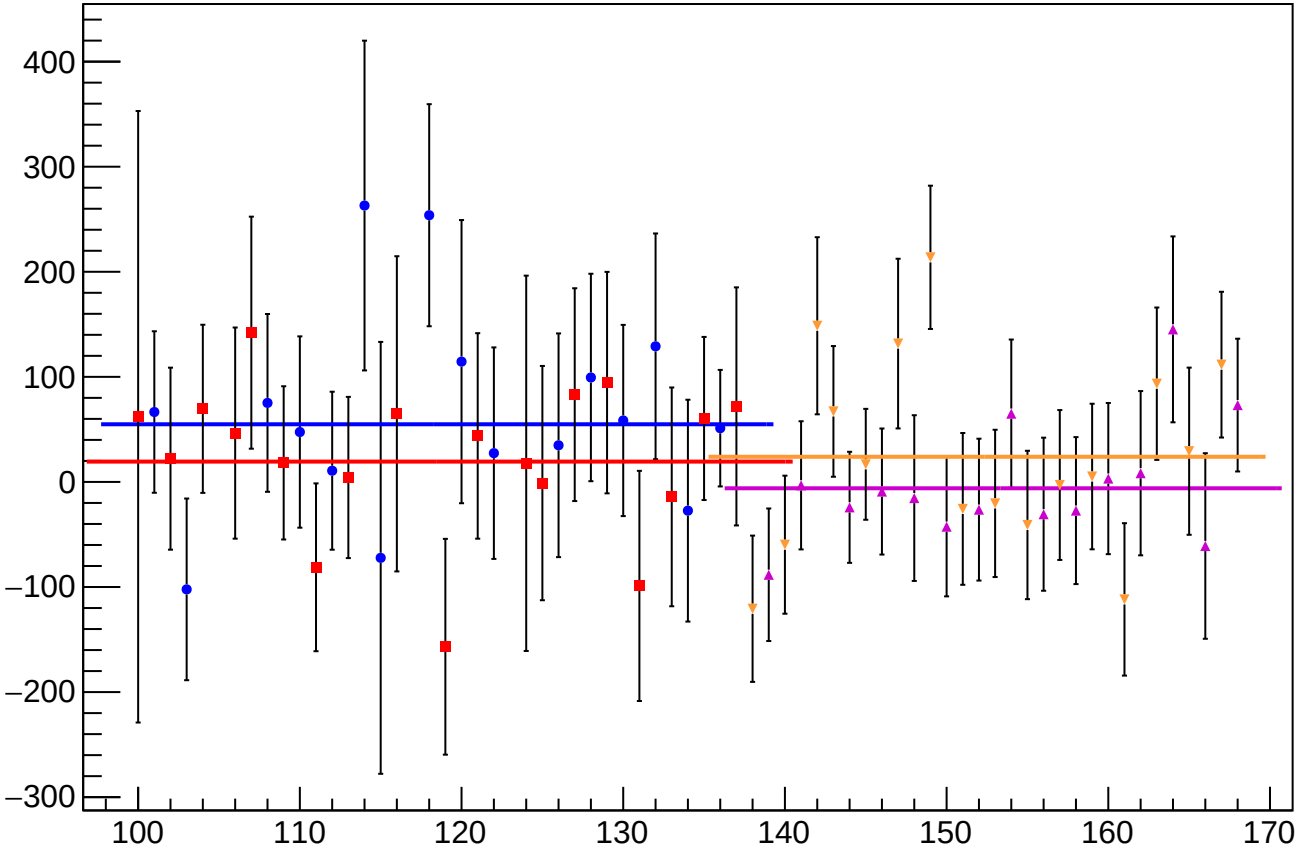
Left In: 357.528+/-0.073 χ^2/NDF:296483.6/14

+ sign 343.257+/-0.056 χ^2/NDF: 2251288.6/31

All: 341.361+/-0.040 χ^2/NDF: 4487661.0/65

- sign 339.508+/-0.056 χ^2/NDF: 2234130.0/33

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 23.938+/-17.376 χ^2/NDF:26.1/15

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

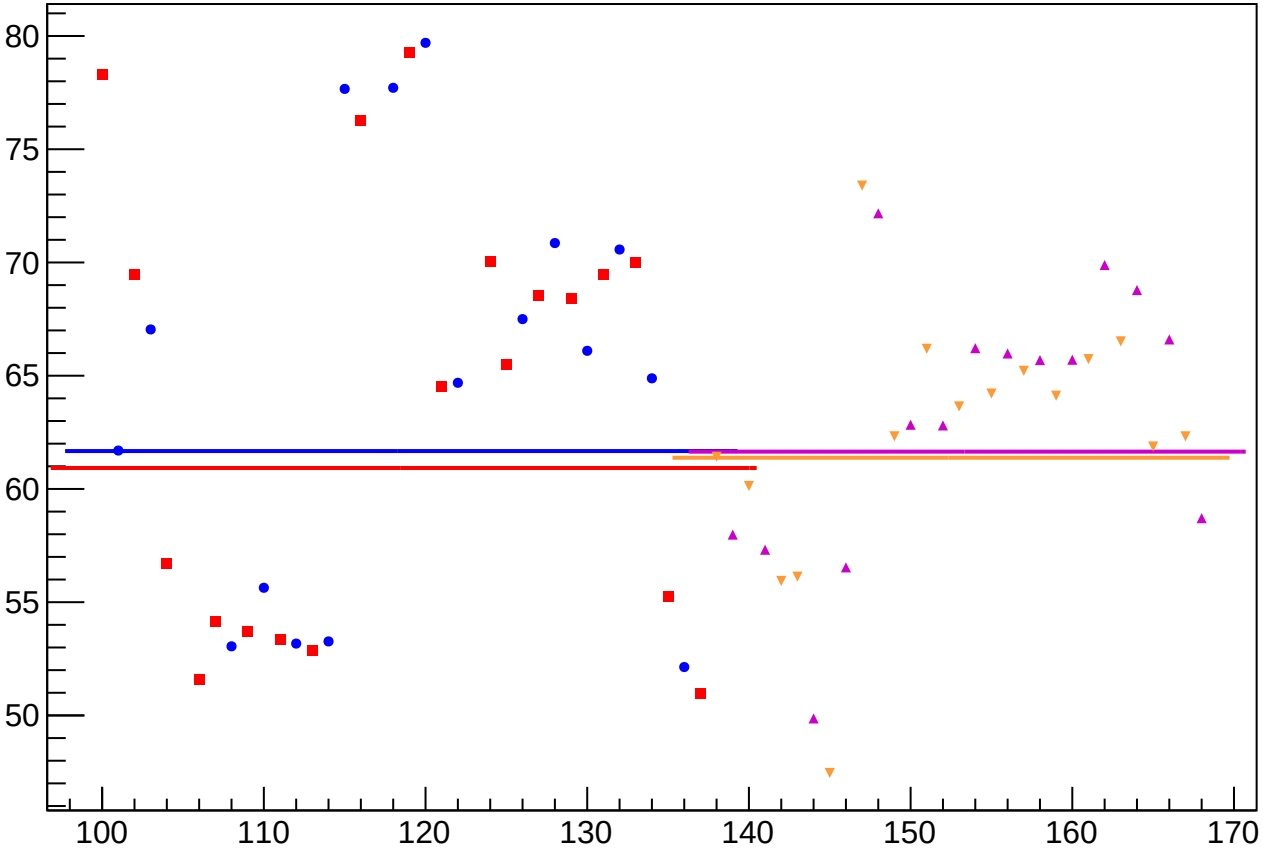
Left In: -6.042+/-17.619 χ^2/NDF:8.4/14

+ sign 35.069+/-13.903 χ^2/NDF: 38.3/31

All: 19.305+/-9.827 χ^2/NDF: 59.2/65

- sign 3.565+/-13.893 χ^2/NDF: 18.3/33

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.379+/-0.012 χ^2/NDF:247891.6/15

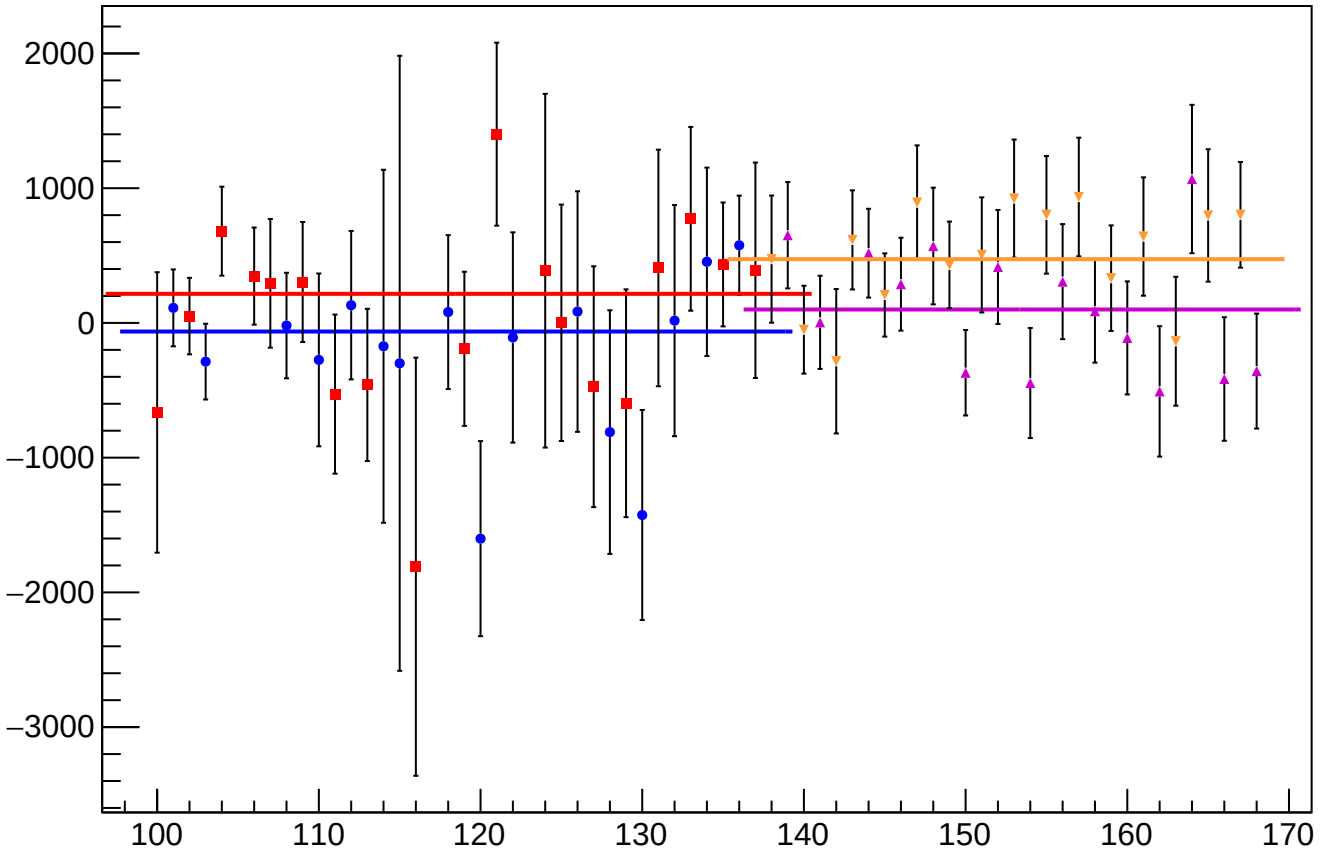
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.647+/-0.012 χ^2/NDF:241977.2/14

\+ sign 61.485+/-0.010 χ^2/NDF: 515205.6/31

All: 61.430+/-0.007 χ^2/NDF: 1046095.3/65

\- sign 61.374+/-0.010 χ^2/NDF: 530826.6/33



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 473.360+/-100.883 χ^2/NDF:12.2/15

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

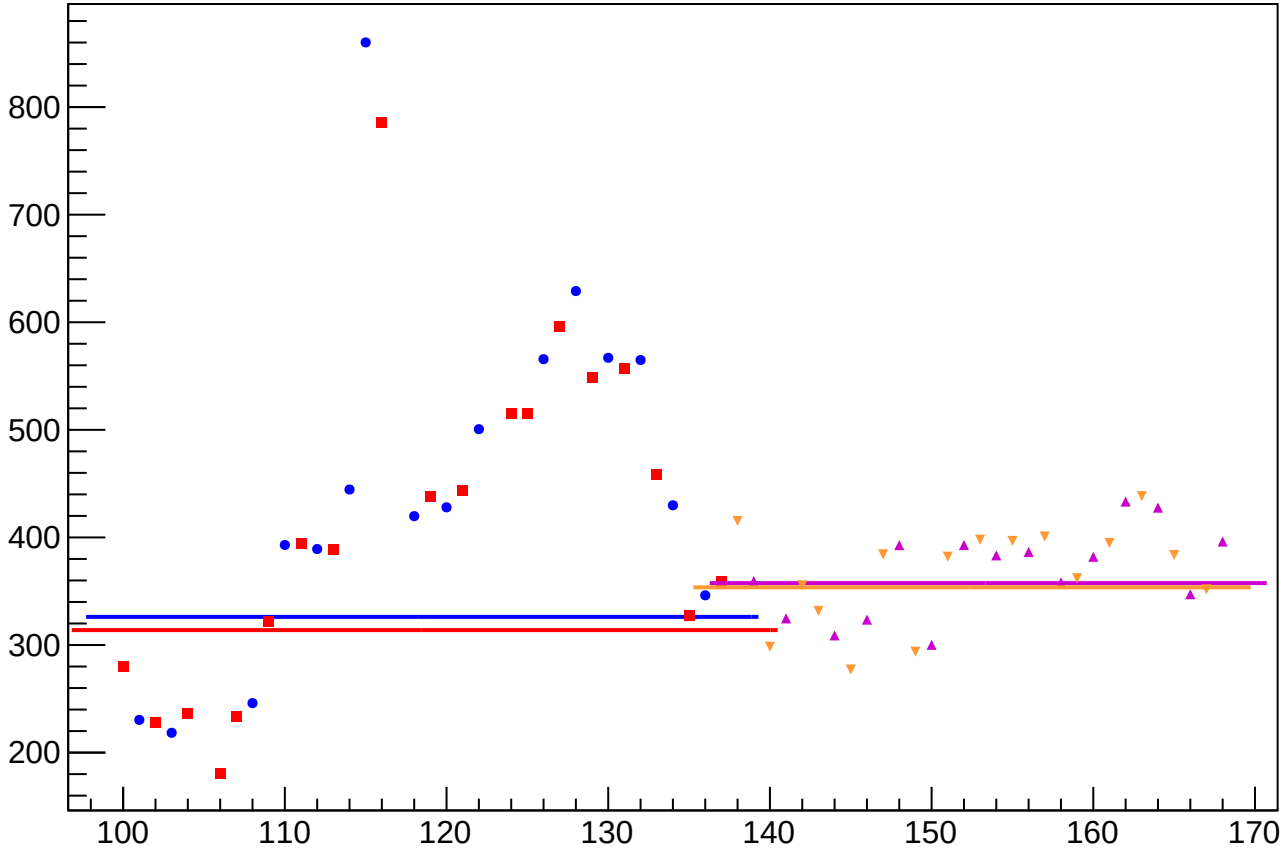
Left In: 99.733+/-102.550 χ^2/NDF:17.2/14

+ sign 270.822+/-79.625 χ^2/NDF: 36.1/31

All: 208.416+/-56.043 χ^2/NDF: 69.2/65

- sign 147.151+/-78.894 χ^2/NDF: 31.8/33

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.613+/-0.071 χ^2/NDF:461400.3/15

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

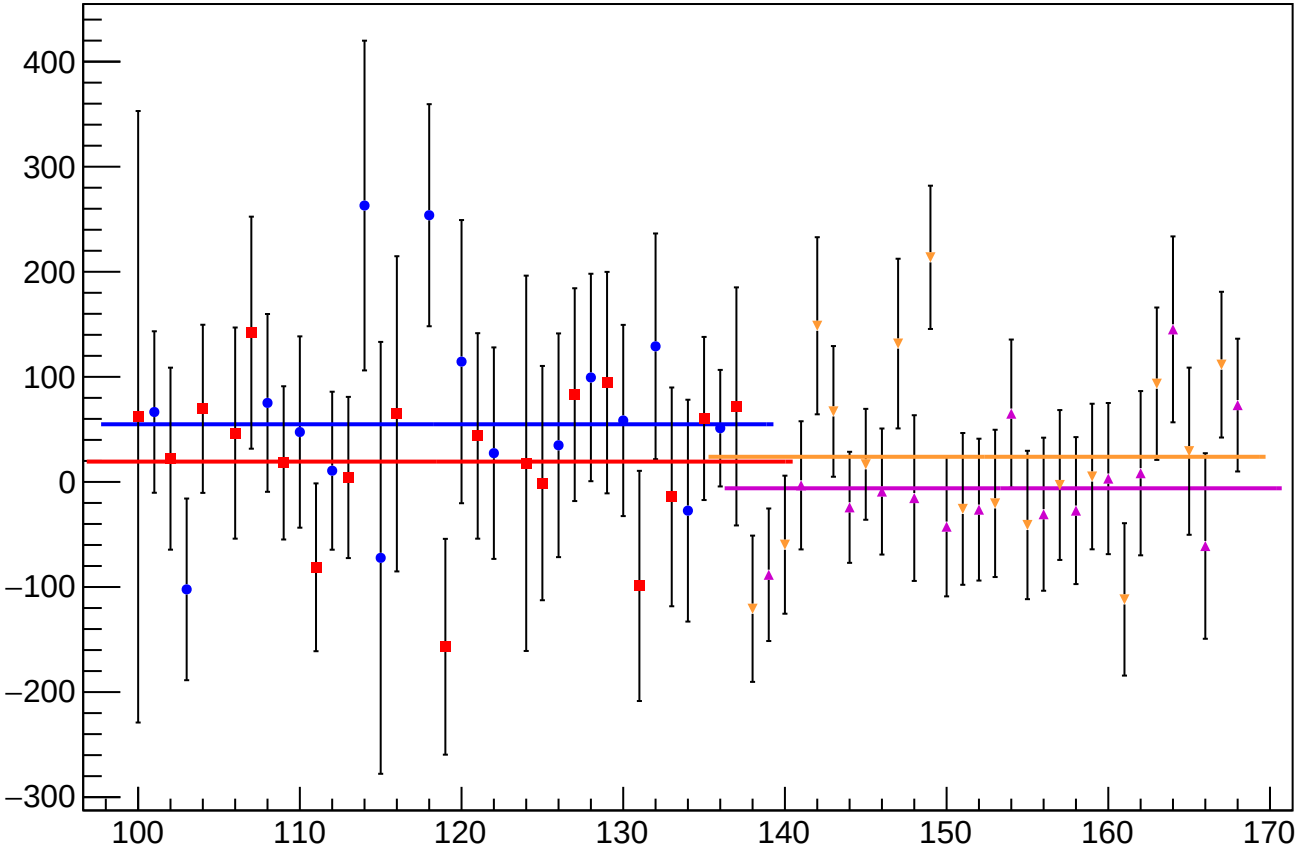
Left In: 357.529+/-0.073 χ^2/NDF:296483.8/14

+ sign 343.258+/-0.056 χ^2/NDF: 2251214.9/31

All: 341.466+/-0.040 χ^2/NDF: 4503498.5/65

- sign 339.706+/-0.056 χ^2/NDF: 2250274.9/33

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 23.938+/-17.376 χ^2/NDF:26.1/15

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

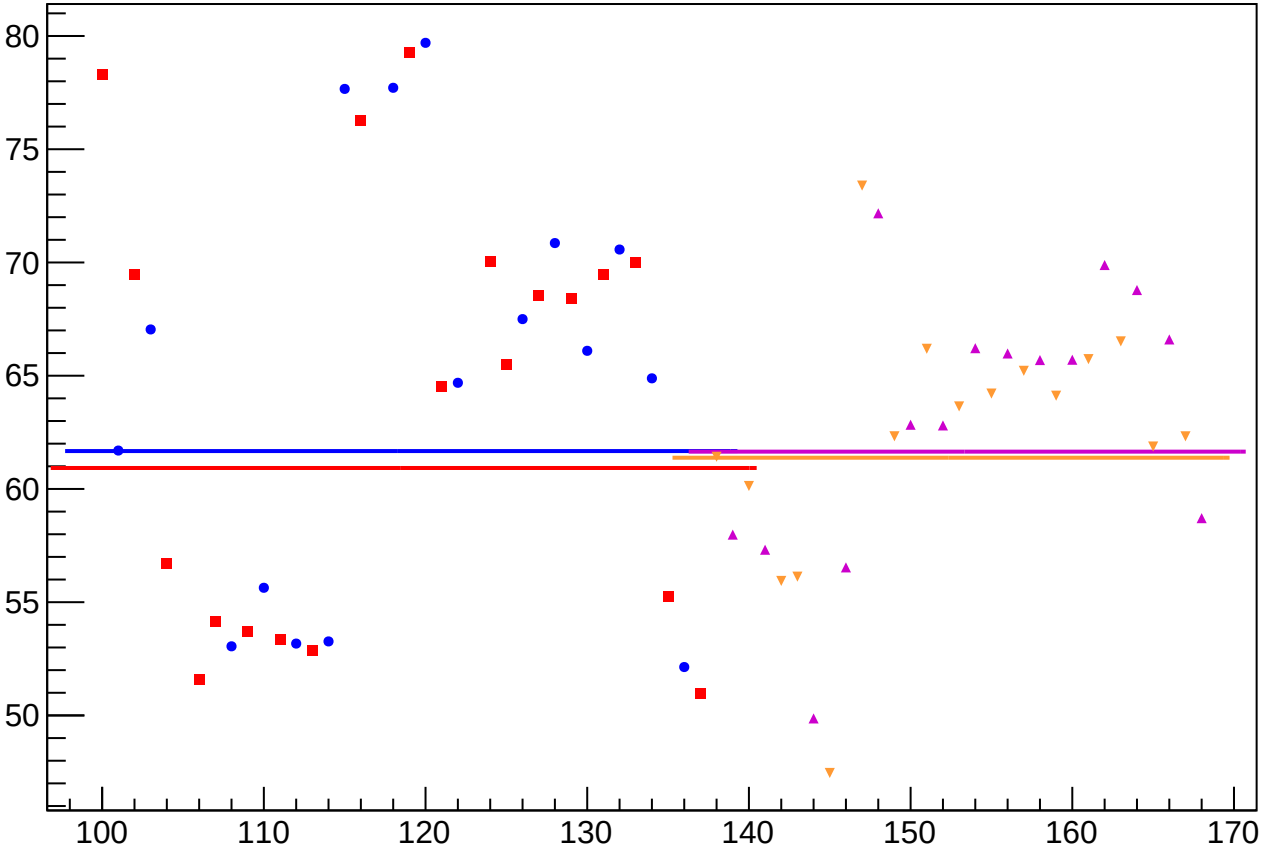
Left In: -6.042+/-17.619 χ^2/NDF:8.4/14

+ sign 35.069+/-13.903 χ^2/NDF: 38.3/31

All: 19.305+/-9.827 χ^2/NDF: 59.2/65

- sign 3.565+/-13.893 χ^2/NDF: 18.3/33

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.379+/-0.012 χ^2/NDF:247891.6/15

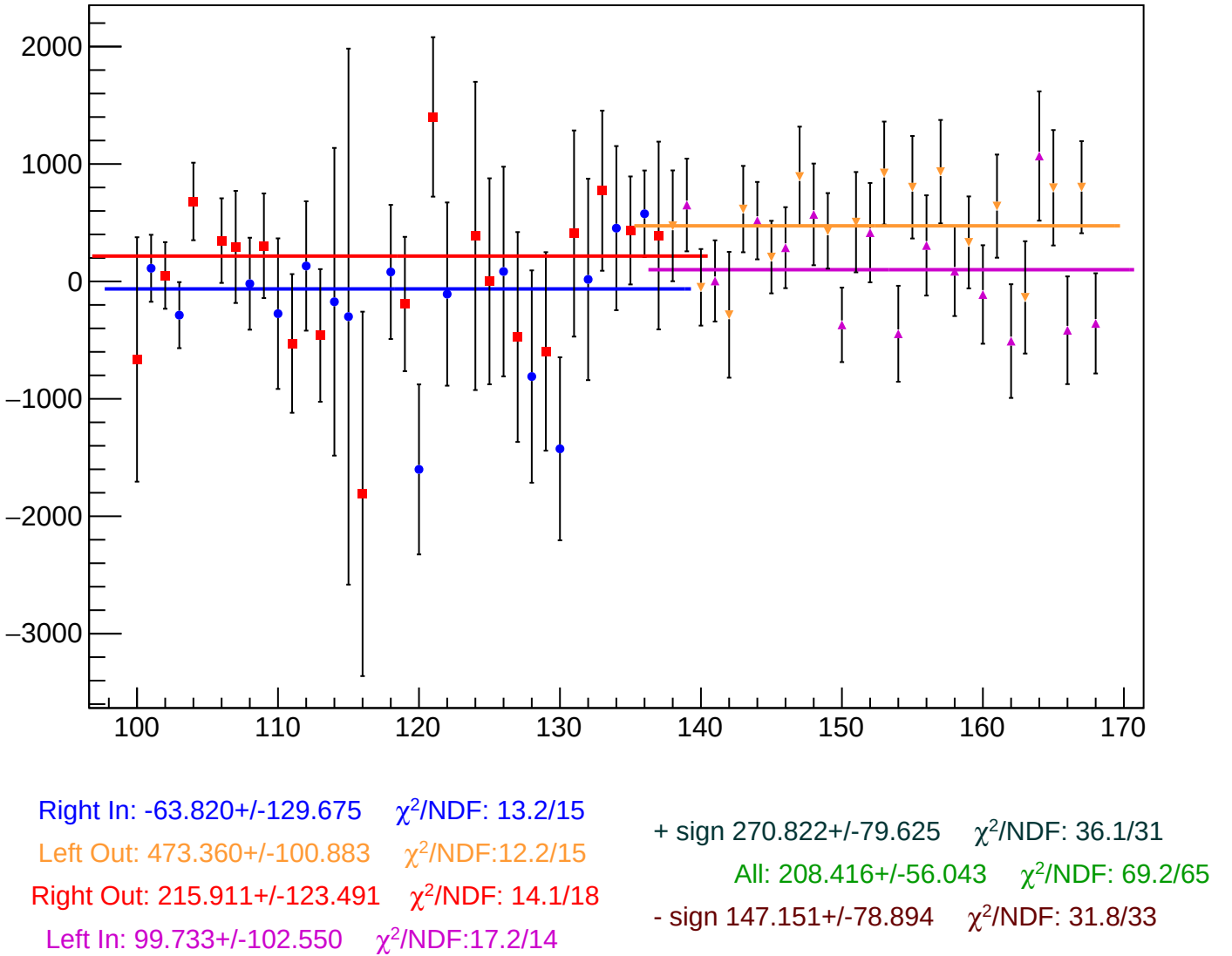
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

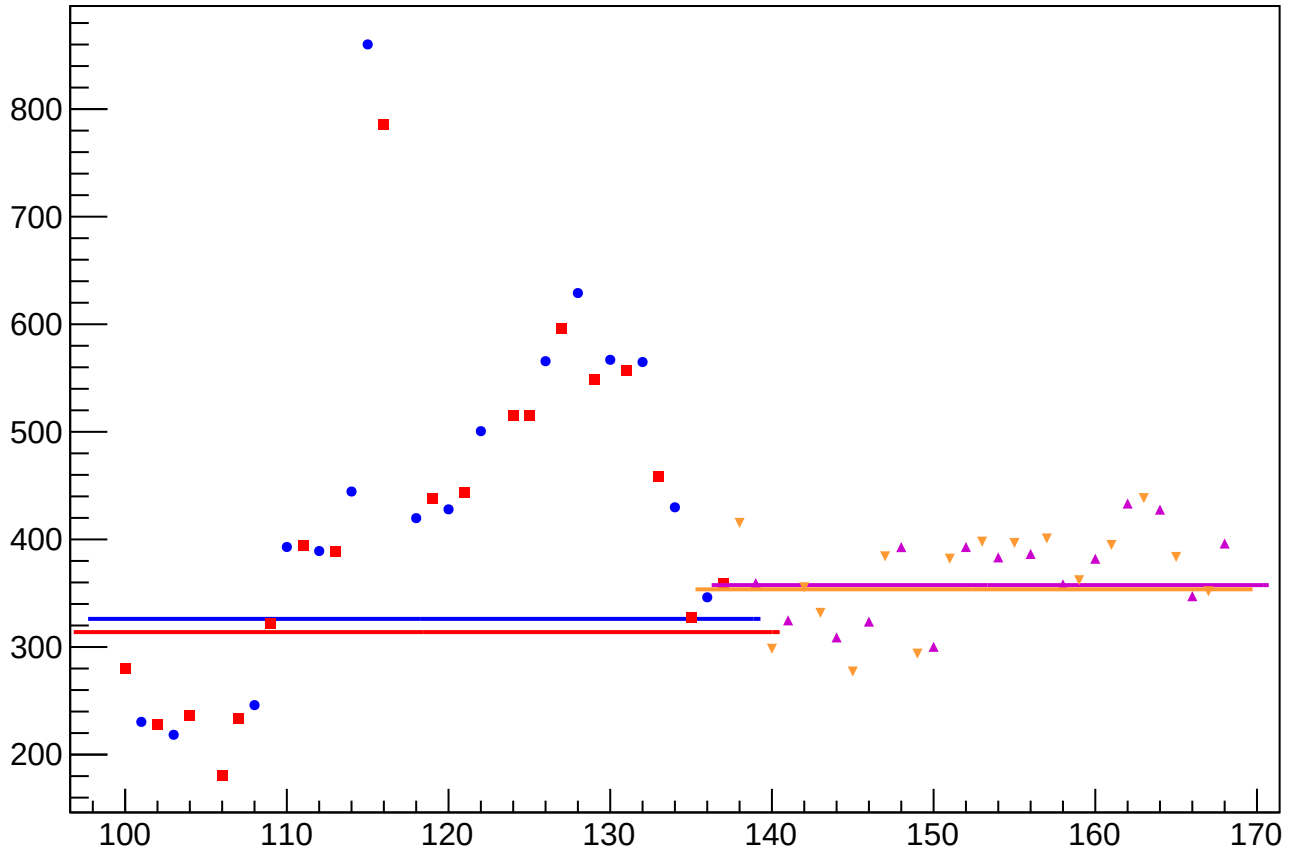
Left In: 61.647+/-0.012 χ^2/NDF:241977.2/14

+ sign 61.485+/-0.010 χ^2/NDF: 515205.6/31

All: 61.430+/-0.007 χ^2/NDF: 1046095.3/65

- sign 61.374+/-0.010 χ^2/NDF: 530826.6/33


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 473.360+/-100.883 χ²/NDF:12.2/15
Right Out: 215.911+/-123.491 χ²/NDF: 14.1/18
Left In: 99.733+/-102.550 χ²/NDF:17.2/14
+ sign 270.822+/-79.625 χ²/NDF: 36.1/31
All: 208.416+/-56.043 χ²/NDF: 69.2/65
- sign 147.151+/-78.894 χ²/NDF: 31.8/33



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.613+/-0.071 χ^2/NDF:461400.3/15

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

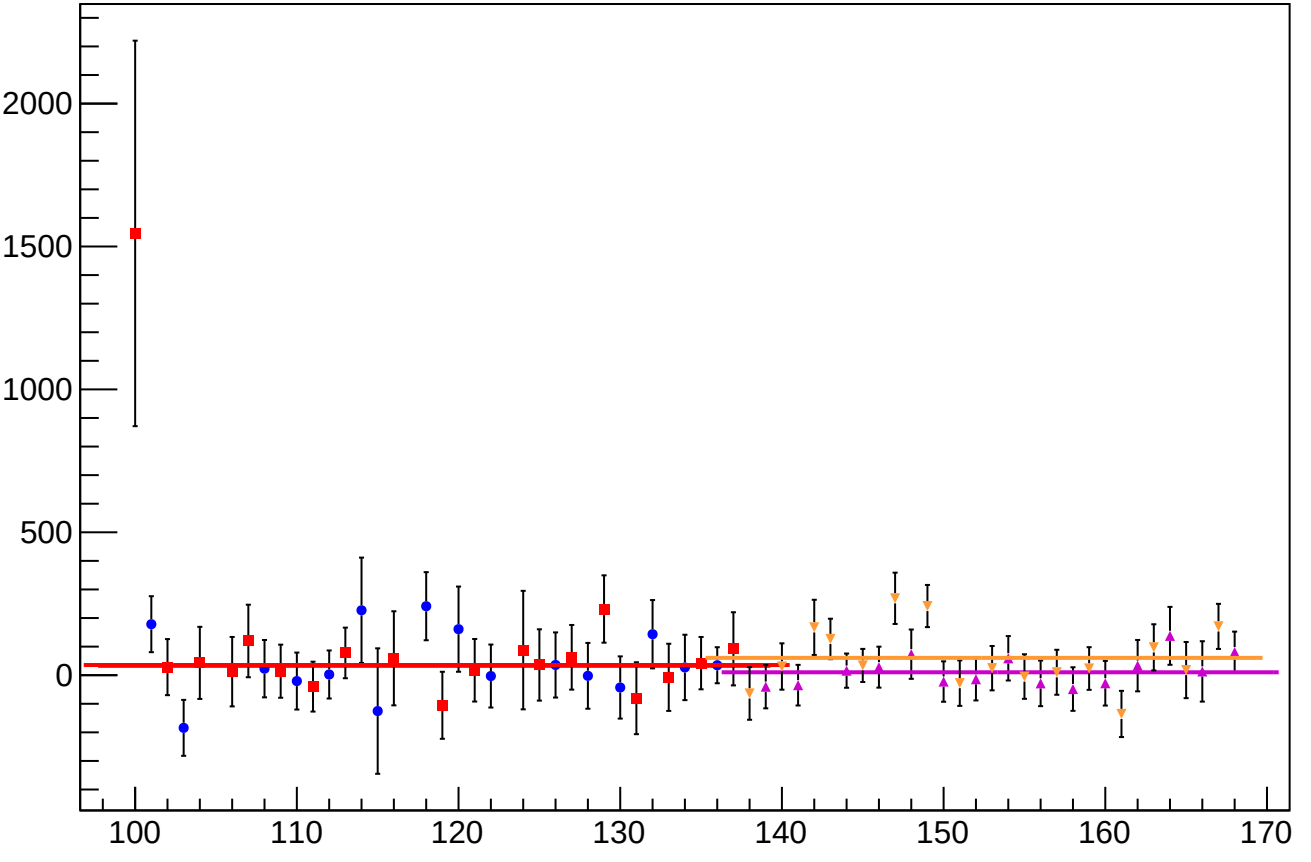
Left In: 357.529+/-0.073 χ^2/NDF:296483.8/14

+ sign 343.258+/-0.056 χ^2/NDF: 2251214.9/31

All: 341.466+/-0.040 χ^2/NDF: 4503498.5/65

- sign 339.706+/-0.056 χ^2/NDF: 2250274.9/33

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 60.626+/-19.681 χ^2/NDF:26.7/15

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

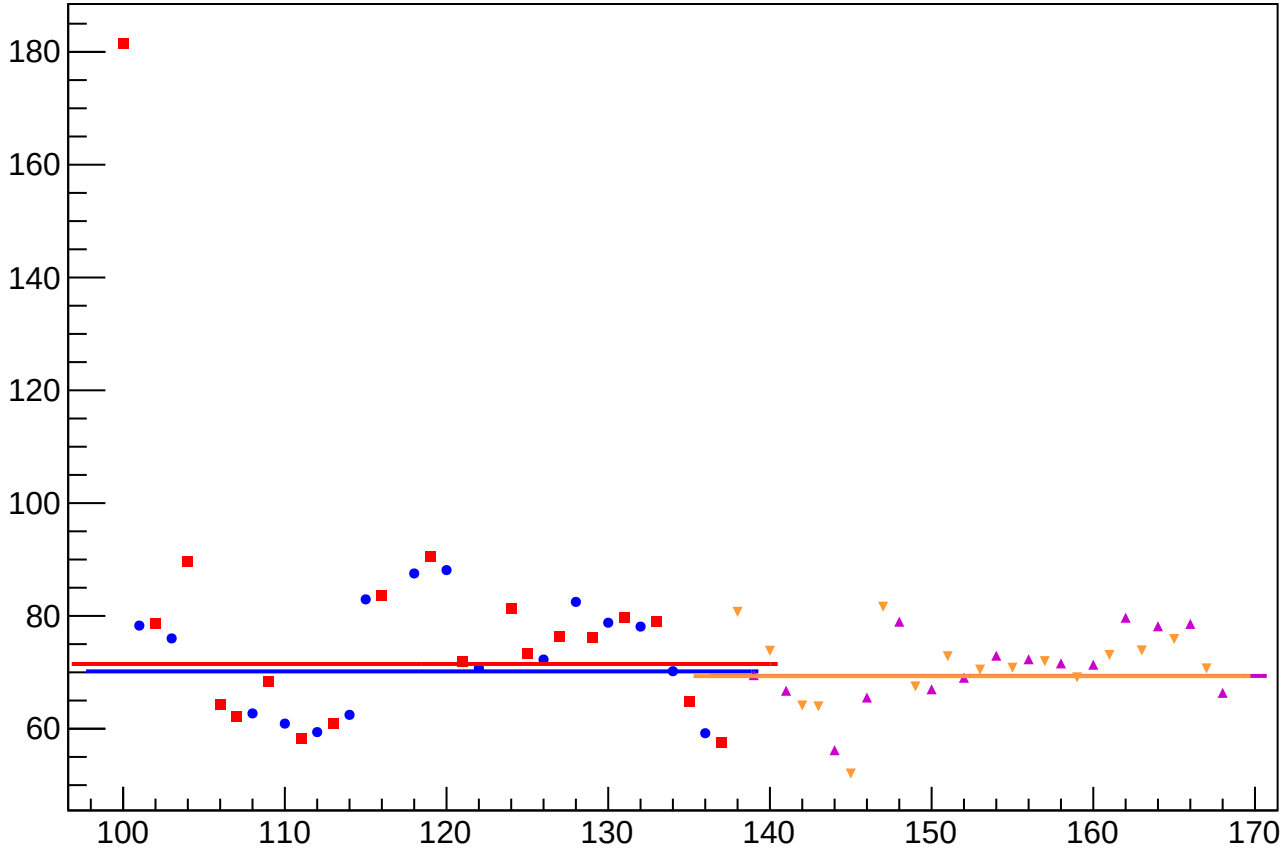
Left In: 10.213+/-19.901 χ^2/NDF:5.9/14

+ sign 50.907+/-15.782 χ^2/NDF: 42.0/31

All: 35.263+/-11.208 χ^2/NDF: 62.5/65

- sign 19.343+/-15.921 χ^2/NDF: 18.5/33

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 69.321+/-0.014 χ^2/NDF:298271.1/15

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

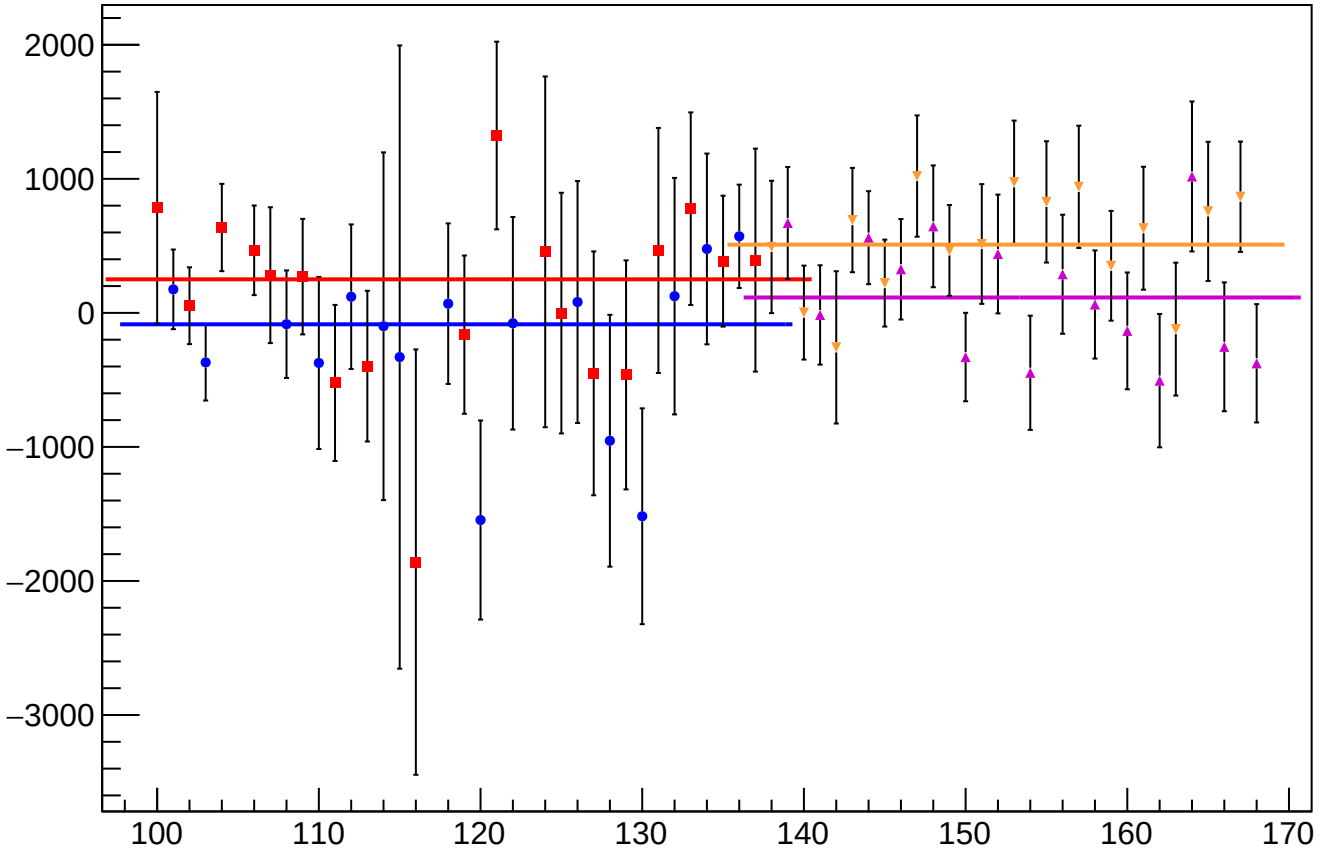
Left In: 69.363+/-0.014 χ^2/NDF:202515.8/14

+ sign 69.623+/-0.011 χ^2/NDF: 568842.4/31

All: 69.872+/-0.008 χ^2/NDF: 1106249.7/65

- sign 70.126+/-0.011 χ^2/NDF: 536398.0/33

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 509.177+/-106.064 χ^2/NDF:11.5/15

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

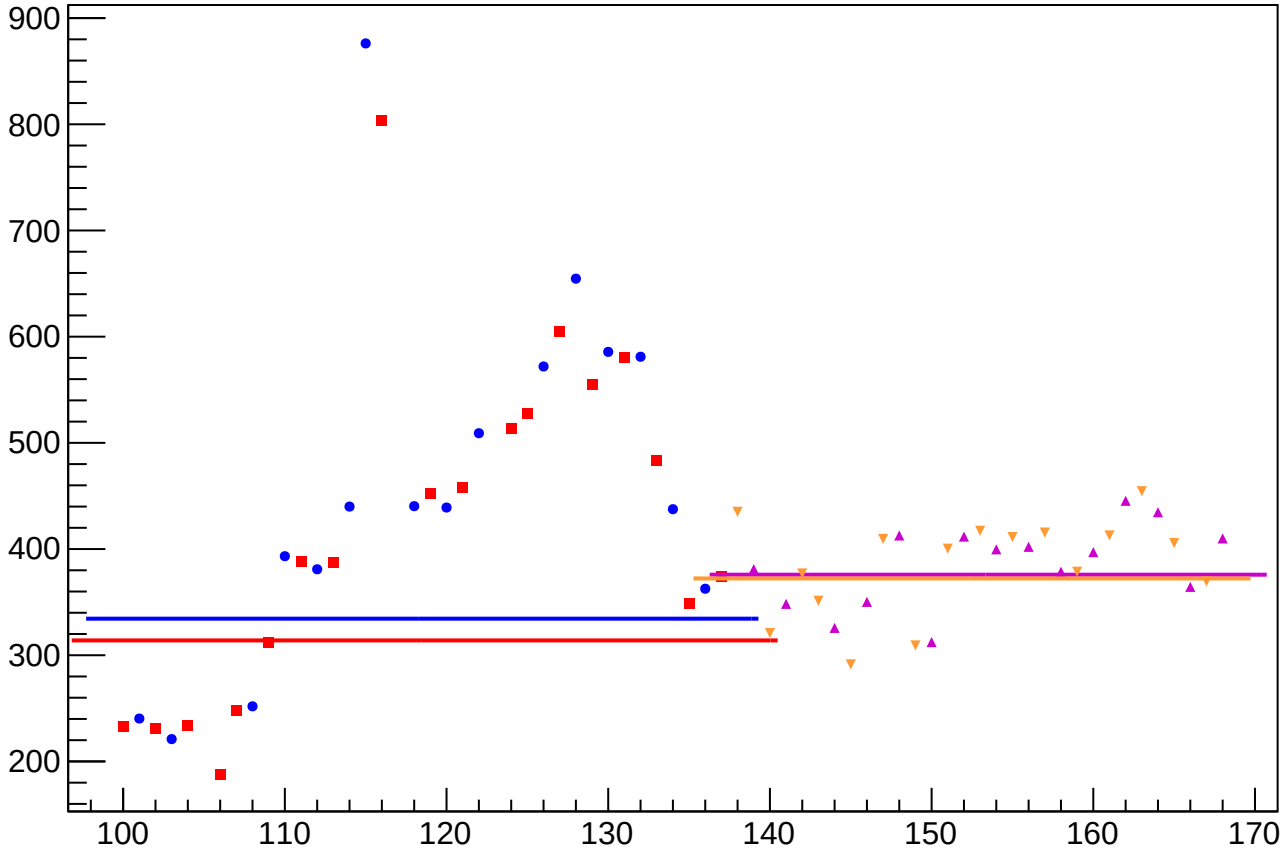
Left In: 114.907+/-107.690 χ^2/NDF:15.8/14

+ sign 277.864+/-82.894 χ^2/NDF: 37.4/31

All: 224.574+/-57.974 χ^2/NDF: 67.1/65

- sign 173.555+/-81.110 χ^2/NDF: 29.0/33

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 372.313+/-0.075 χ^2/NDF:428068.0/15

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

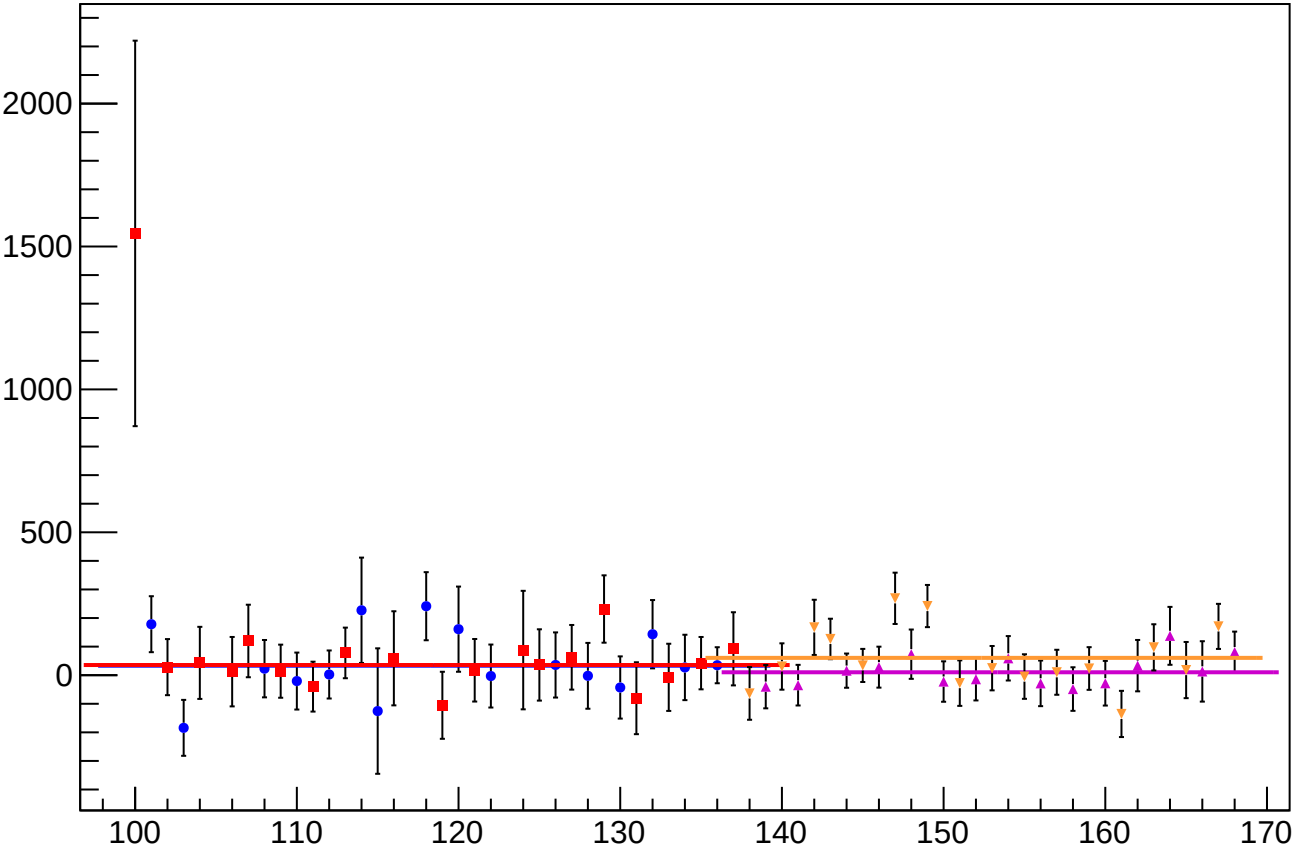
Left In: 375.853+/-0.076 χ^2/NDF:255178.1/14

+ sign 357.570+/-0.059 χ^2/NDF: 2257971.4/31

All: 353.230+/-0.041 χ^2/NDF: 4714256.7/65

- sign 349.075+/-0.057 χ^2/NDF: 2445555.3/33

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 60.625+/-19.681 χ^2/NDF:26.7/15

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

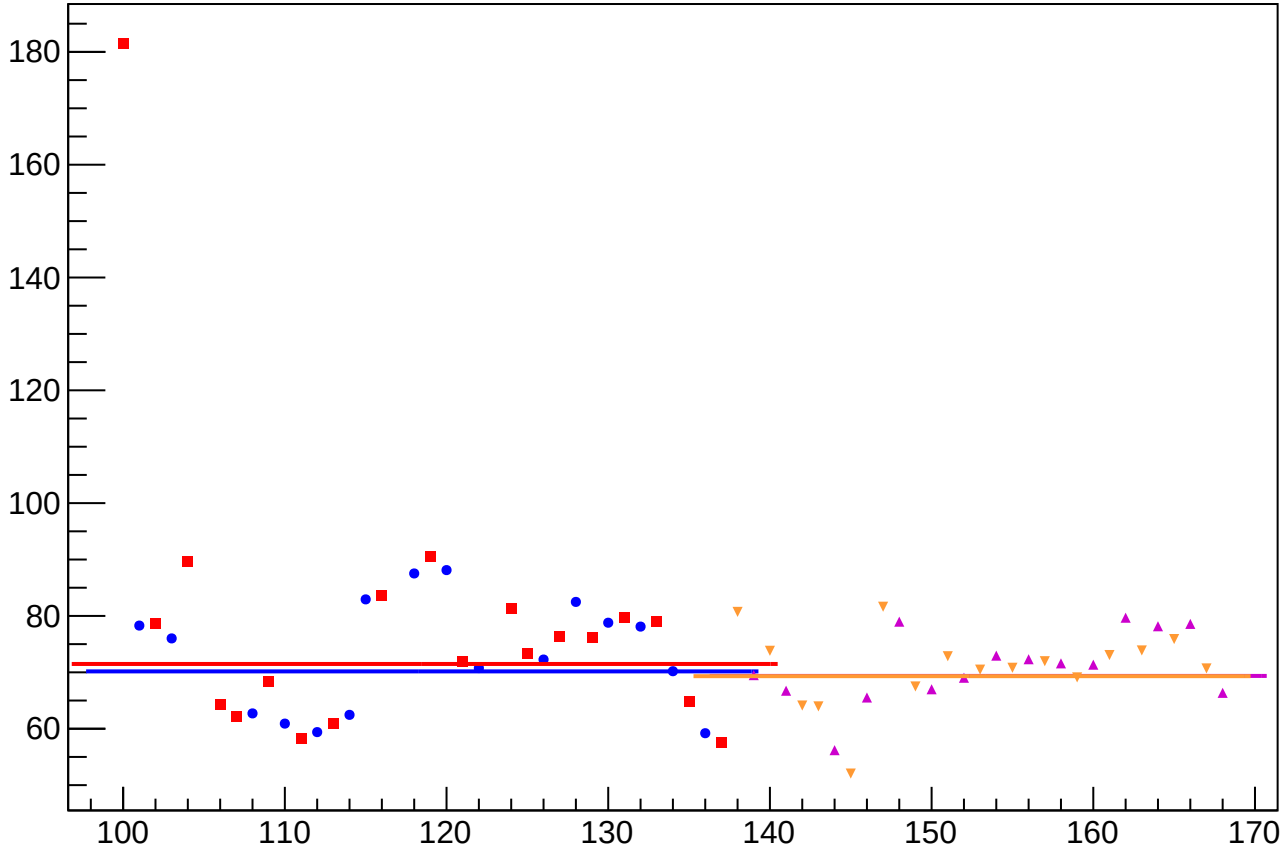
Left In: 10.213+/-19.901 χ^2/NDF:5.9/14

+ sign 50.906+/-15.782 χ^2/NDF: 42.0/31

All: 35.263+/-11.208 χ^2/NDF: 62.5/65

- sign 19.343+/-15.921 χ^2/NDF: 18.5/33

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 69.321+/-0.014 χ^2/NDF:298277.0/15

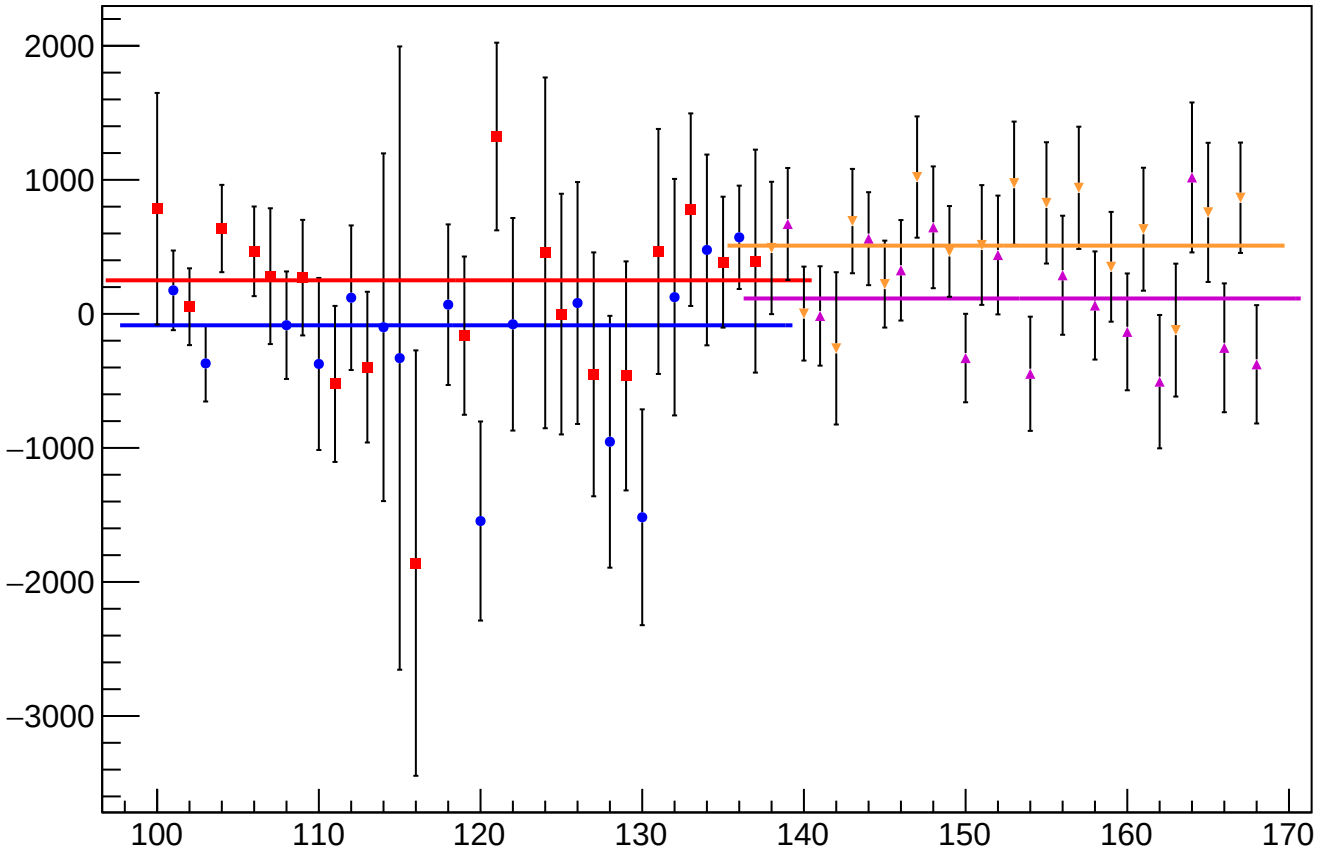
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 69.363+/-0.014 χ^2/NDF:202518.1/14

+ sign 69.623+/-0.011 χ^2/NDF: 568851.8/31

All: 69.872+/-0.008 χ^2/NDF: 1106268.7/65

- sign 70.126+/-0.011 χ^2/NDF: 536407.7/33



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 509.176+/-106.064 χ^2/NDF:11.5/15

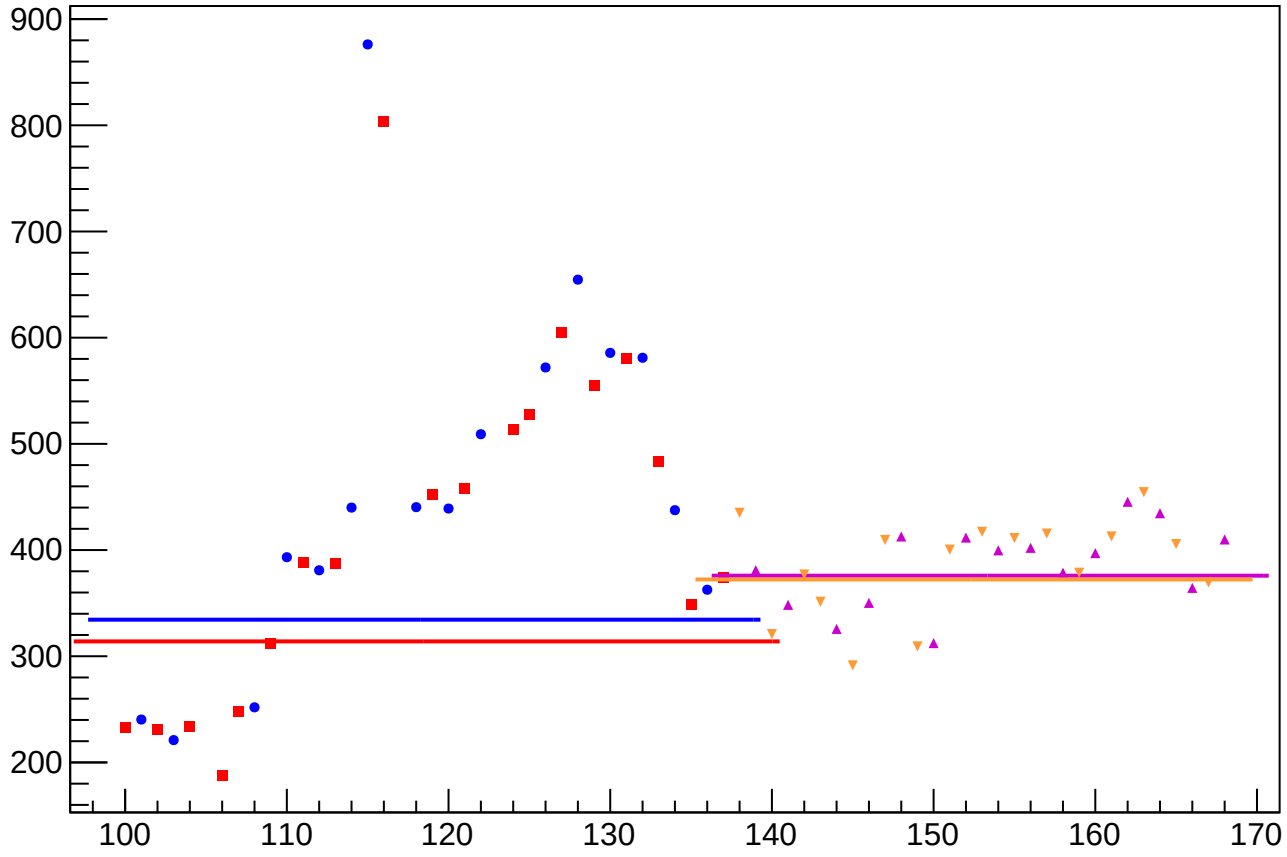
Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: 114.907+/-107.690 χ^2/NDF:15.8/14

\+ sign 277.863+/-82.894 χ^2/NDF: 37.4/31

All: 224.574+/-57.974 χ^2/NDF: 67.1/65

\- sign 173.555+/-81.110 χ^2/NDF: 29.0/33



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 372.313+/-0.075 χ^2/NDF:428072.1/15

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

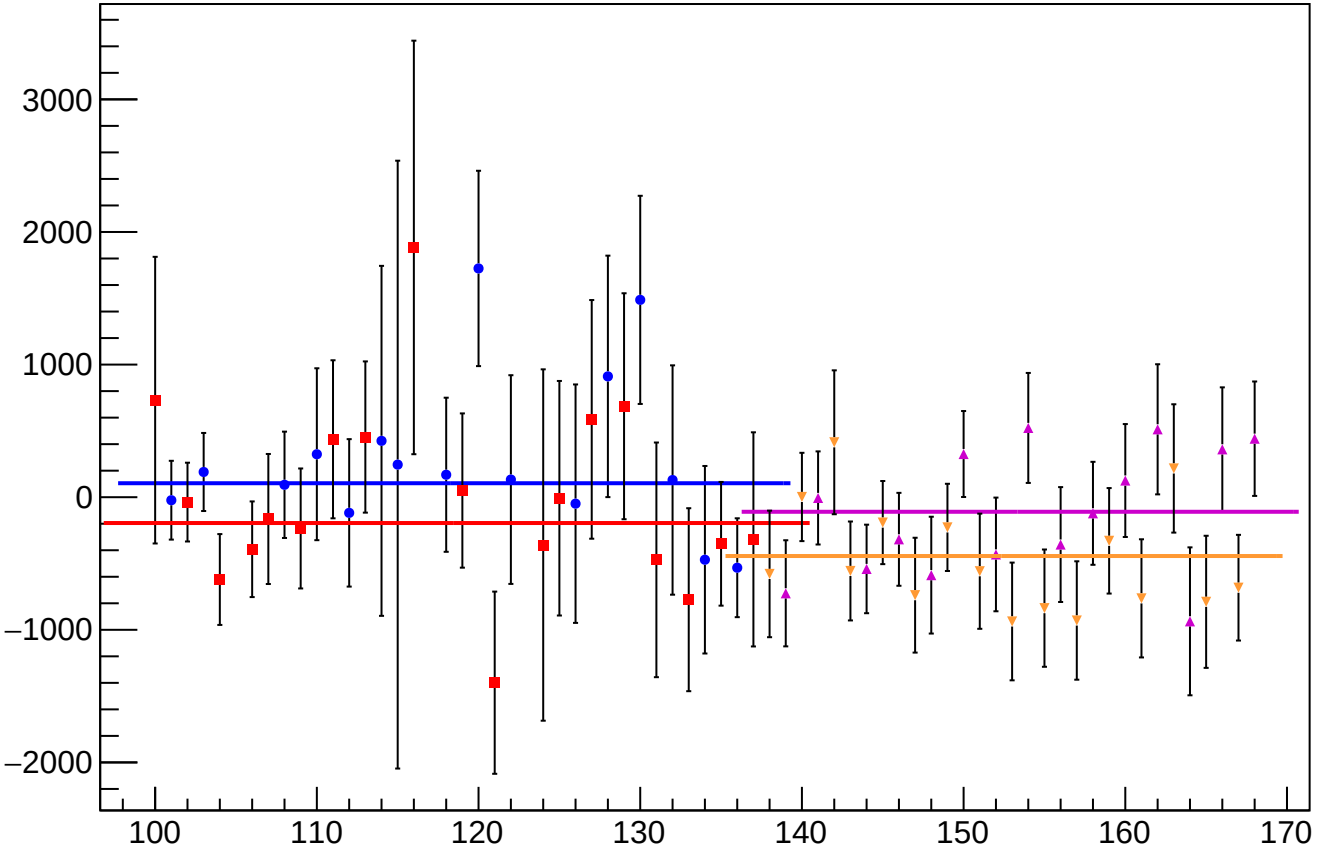
Left In: 375.853+/-0.076 χ^2/NDF:255177.2/14

+ sign 357.570+/-0.059 χ^2/NDF: 2257972.6/31

All: 353.230+/-0.041 χ^2/NDF: 4714254.8/65

- sign 349.075+/-0.057 χ^2/NDF: 2445552.3/33

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -443.573+/-102.474 χ^2/NDF:12.6/15

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

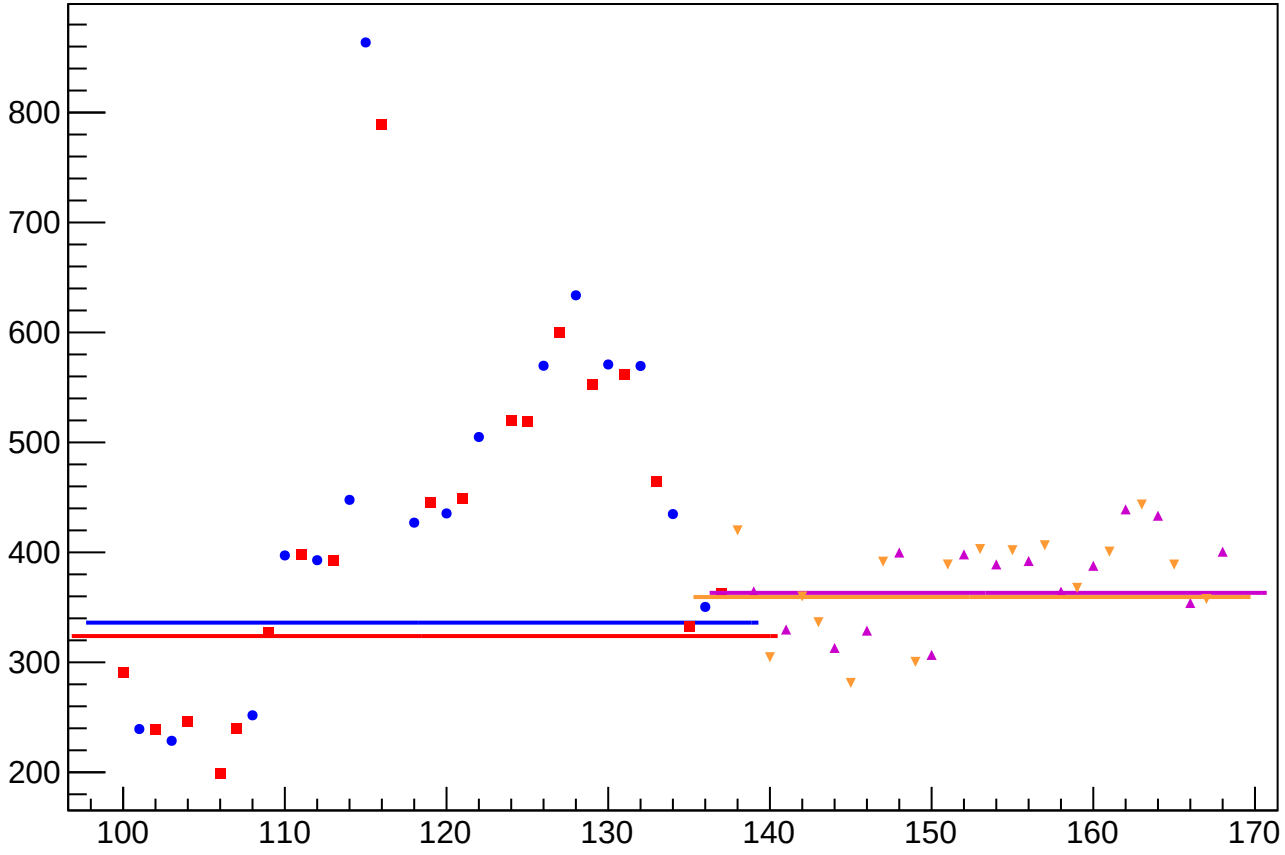
Left In: -109.900+/-104.140 χ^2/NDF:17.4/14

+ sign -239.169+/-81.185 χ^2/NDF: 36.2/31

All: -191.207+/-57.099 χ^2/NDF: 67.7/65

- sign -144.258+/-80.323 χ^2/NDF: 30.8/33

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 359.365+/-0.072 χ^2/NDF:448352.9/15

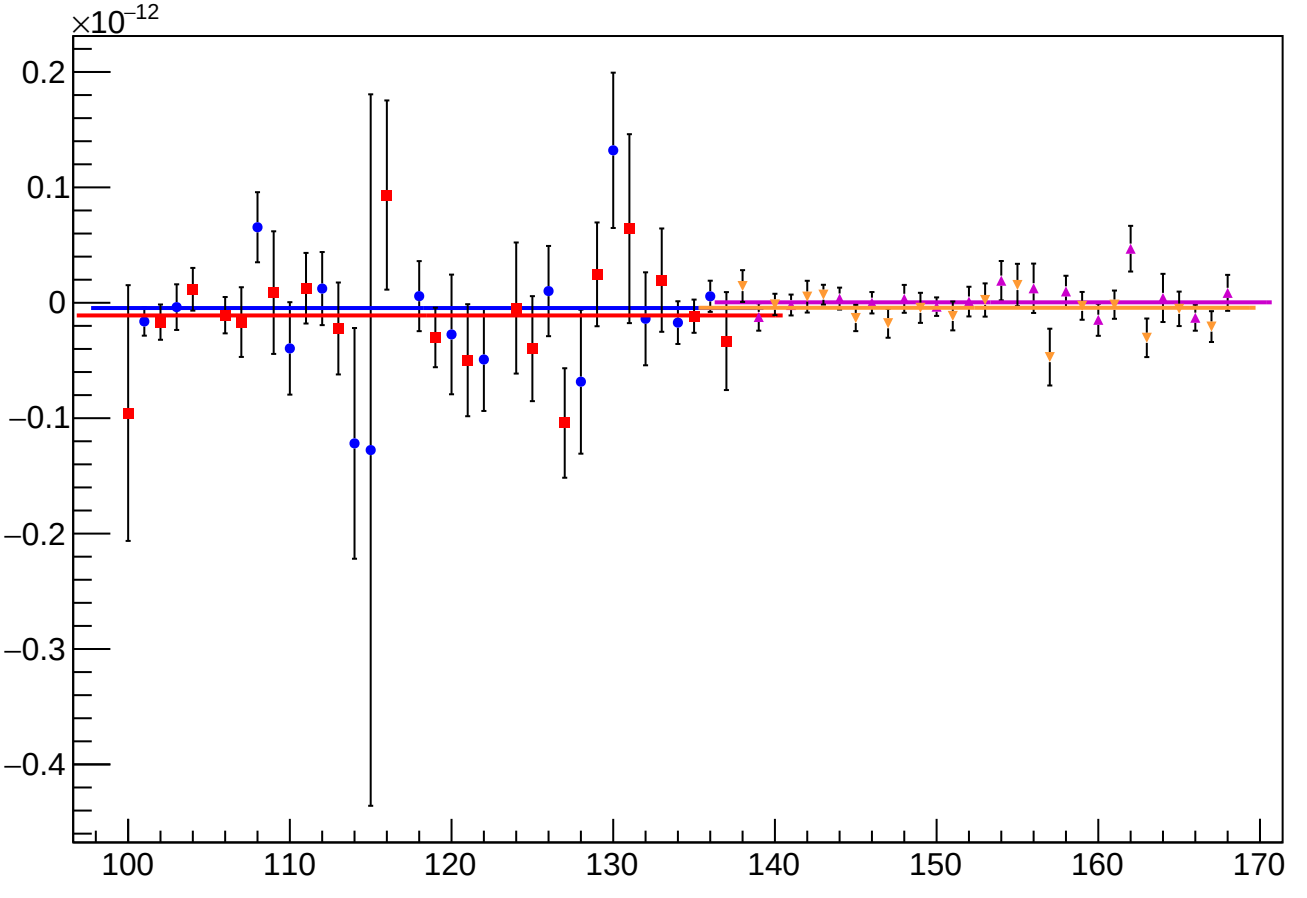
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 363.188+/-0.074 χ^2/NDF:288866.5/14

+ sign 350.699+/-0.057 χ^2/NDF: 2105761.1/31

All: 348.965+/-0.040 χ^2/NDF: 4177256.1/65

- sign 347.266+/-0.057 χ^2/NDF: 2069687.5/33



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

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

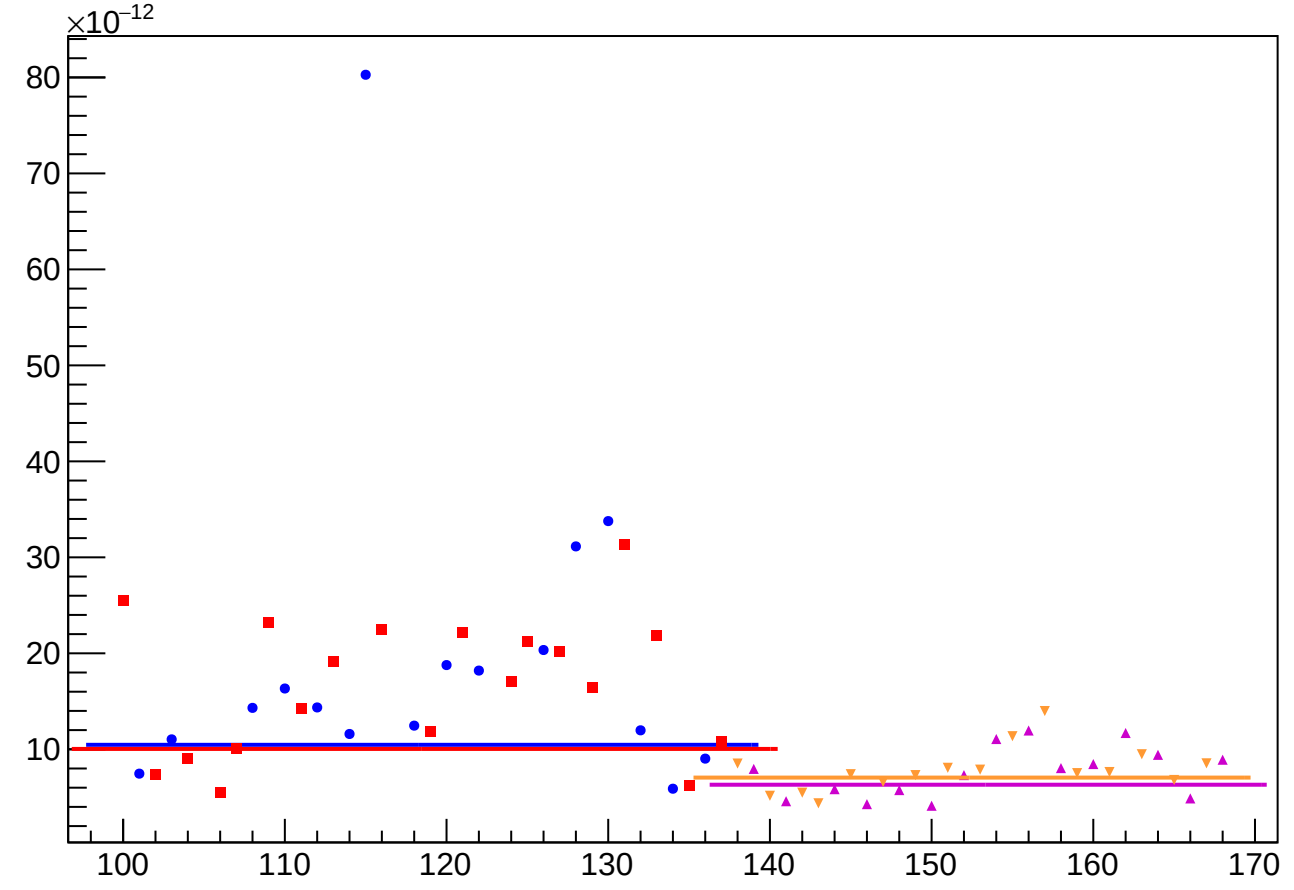
Left In: 0.000+/-0.000 χ^2/NDF:12.0/14

+ sign -0.000+/-0.000 χ^2/NDF: 31.1/31

All: -0.000+/-0.000 χ^2/NDF: 58.5/65

- sign -0.000+/-0.000 χ^2/NDF: 27.0/33

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:696385.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

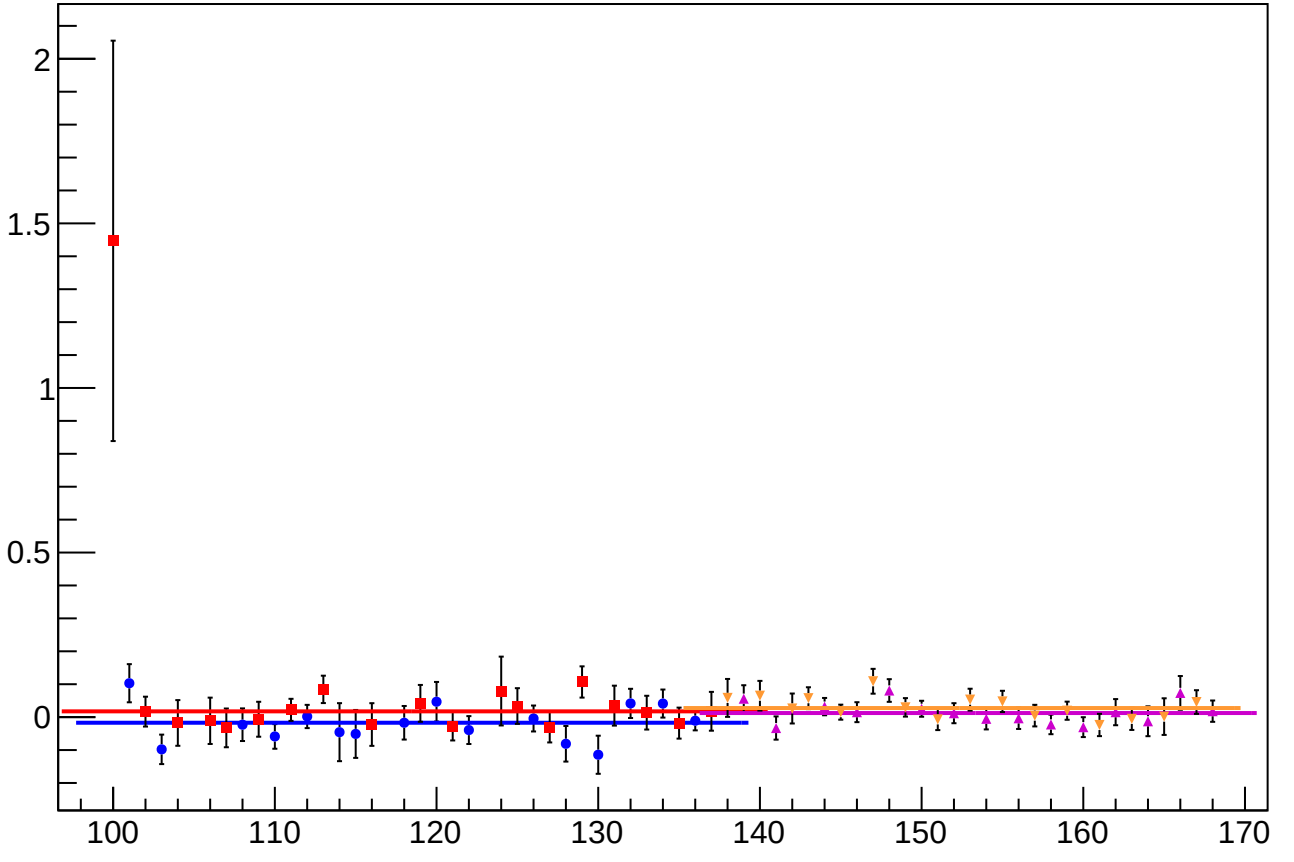
Left In: 0.000+/-0.000 χ^2/NDF:1033650.7/14

+ sign 0.000+/-0.000 χ^2/NDF: 2331368.1/31

All: 0.000+/-0.000 χ^2/NDF: 5390685.5/65

- sign 0.000+/-0.000 χ^2/NDF: 2997215.2/33

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: 0.028+/-0.008 χ^2/NDF:13.2/15

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

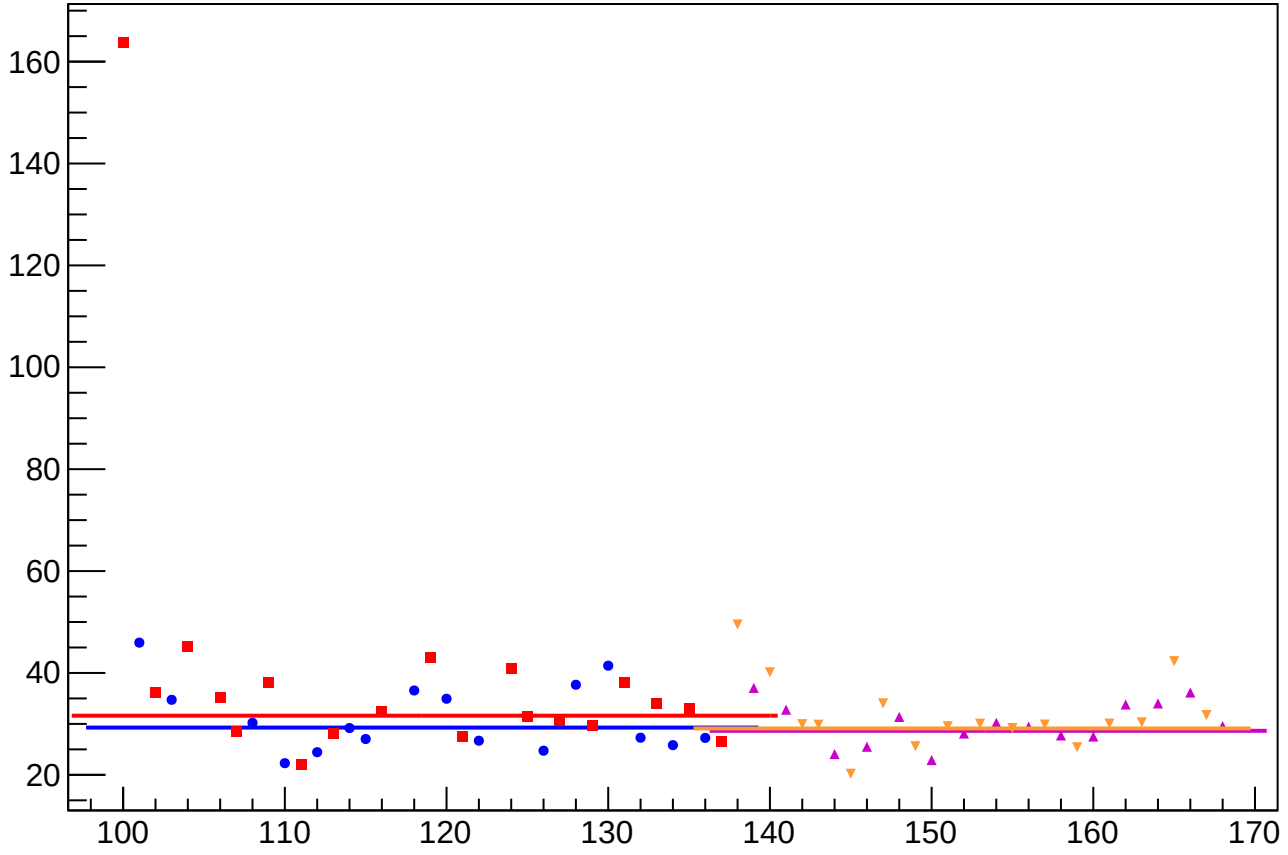
Left In: 0.012+/-0.008 χ^2/NDF:13.3/14

+ sign 0.012+/-0.007 χ^2/NDF: 41.9/31

All: 0.013+/-0.005 χ^2/NDF: 72.2/65

- sign 0.014+/-0.007 χ^2/NDF: 30.2/33

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: 29.105+/-0.006 χ^2/NDF:907244.4/15

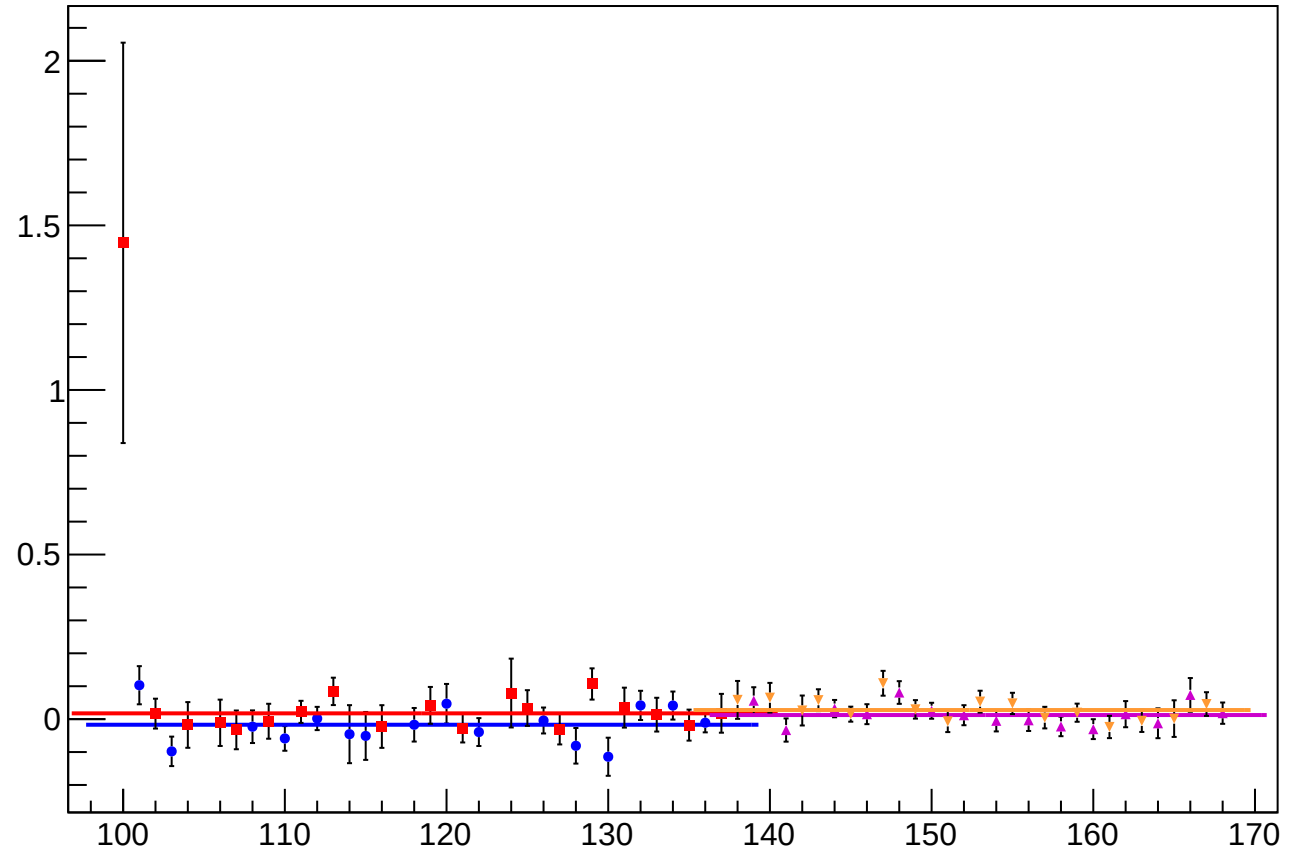
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.645+/-0.006 χ^2/NDF:436197.2/14

+ sign 29.167+/-0.005 χ^2/NDF: 1468200.0/31

All: 29.385+/-0.003 χ^2/NDF: 2561982.9/65

- sign 29.611+/-0.005 χ^2/NDF: 1089563.3/33



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.028+/-0.008 χ^2/NDF:13.2/15

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

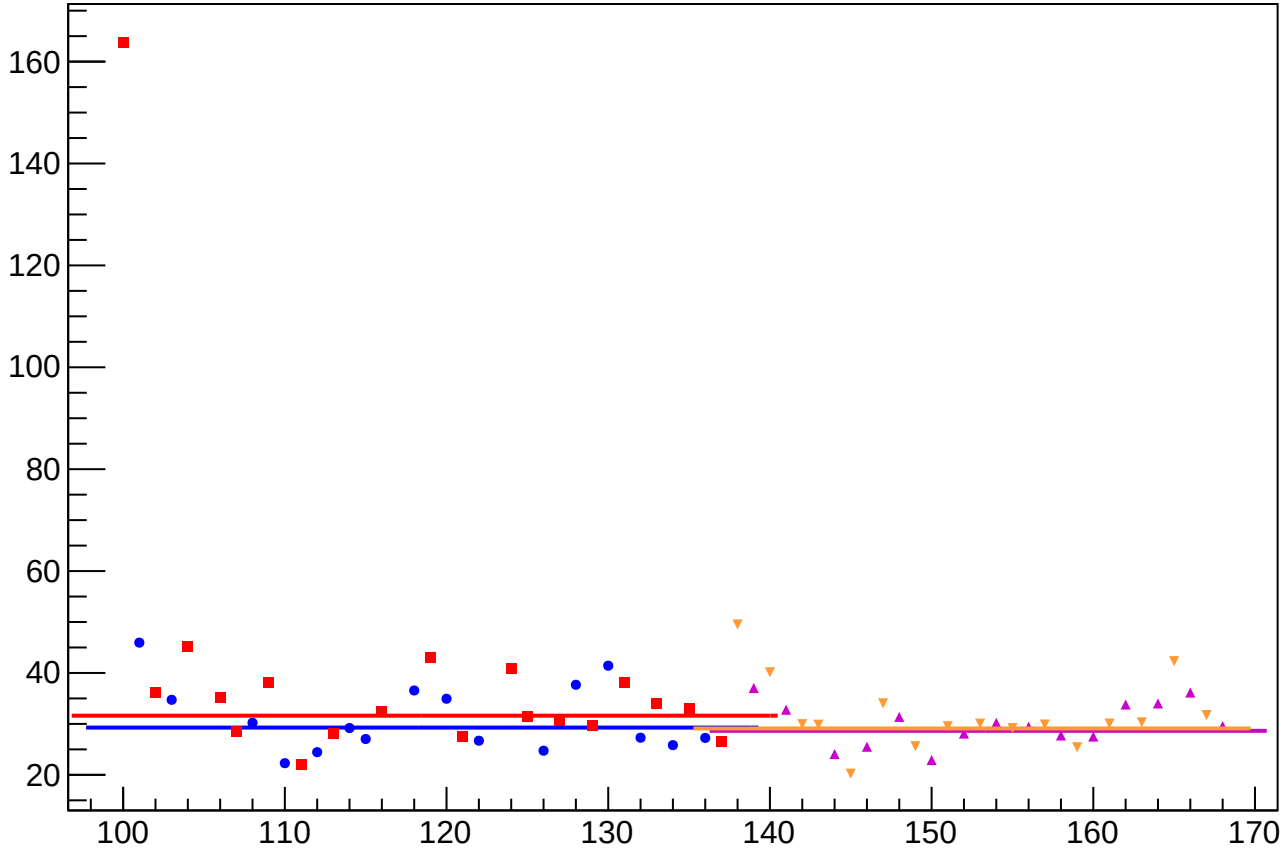
Left In: 0.012+/-0.008 χ^2/NDF:13.3/14

+ sign 0.012+/-0.007 χ^2/NDF: 41.9/31

All: 0.013+/-0.005 χ^2/NDF: 72.2/65

- sign 0.014+/-0.007 χ^2/NDF: 30.2/33

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 29.105+/-0.006 χ^2/NDF:907244.4/15

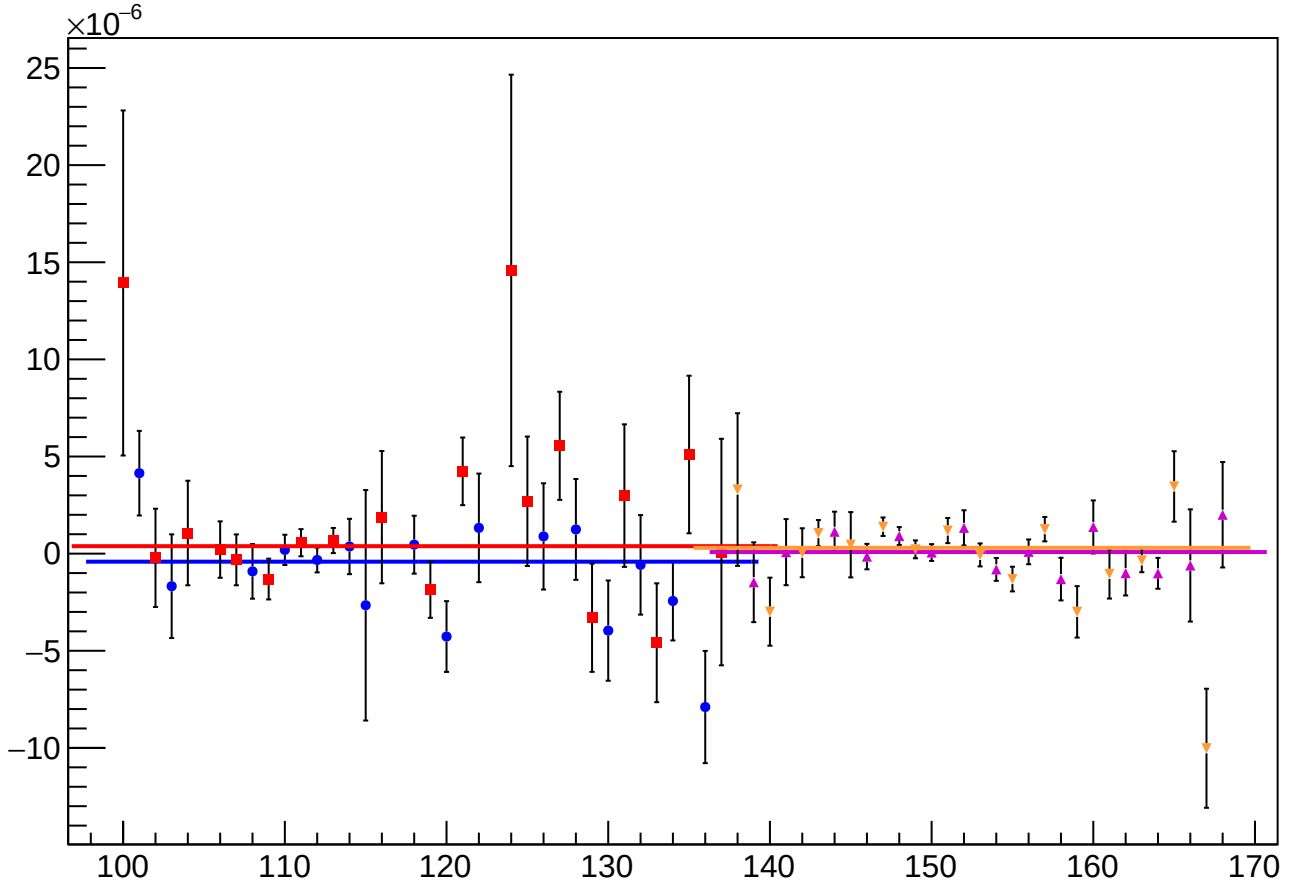
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.645+/-0.006 χ^2/NDF:436197.2/14

+ sign 29.167+/-0.005 χ^2/NDF: 1468200.0/31

All: 29.385+/-0.003 χ^2/NDF: 2561982.9/65

- sign 29.611+/-0.005 χ^2/NDF: 1089563.3/33



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.5/15

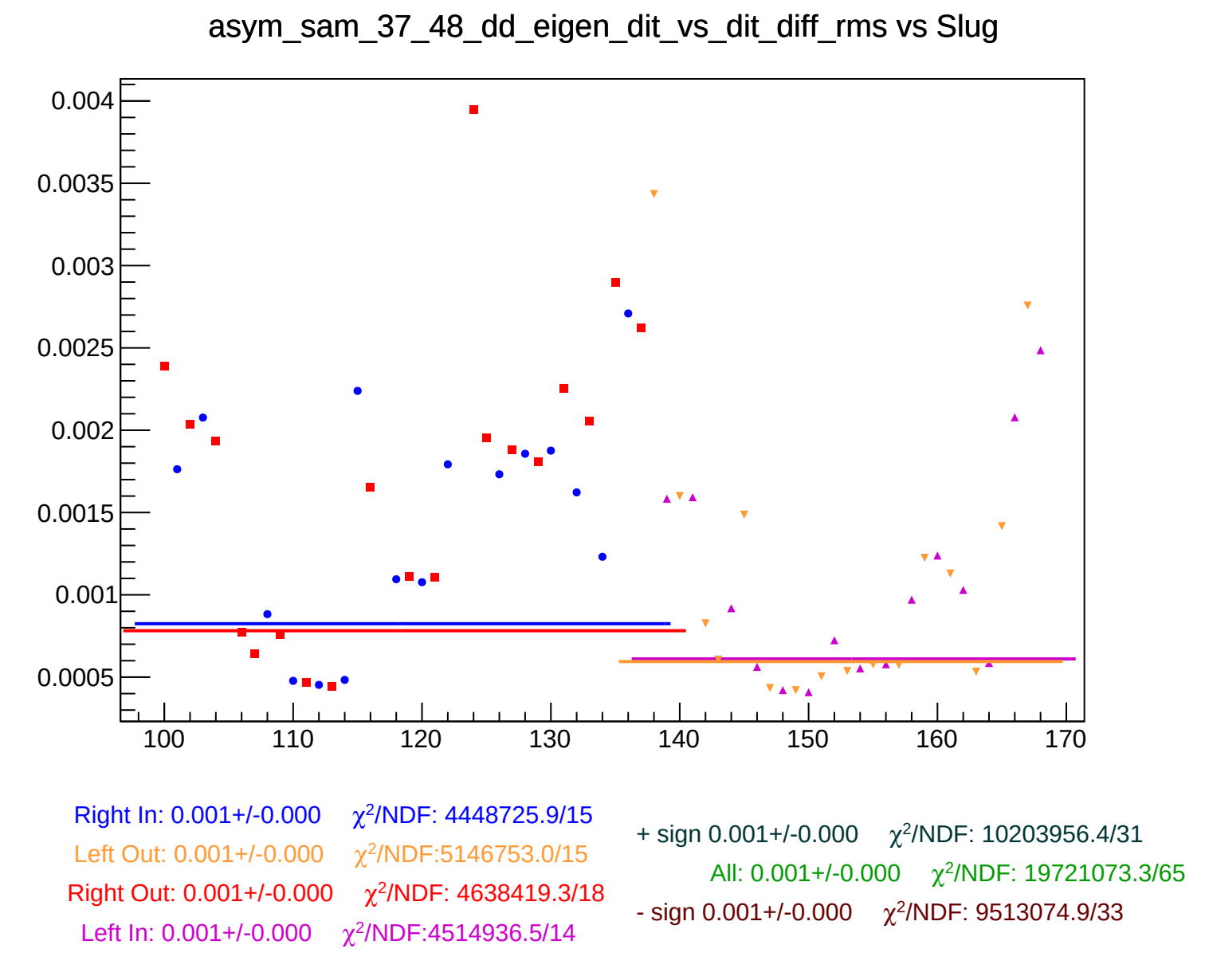
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

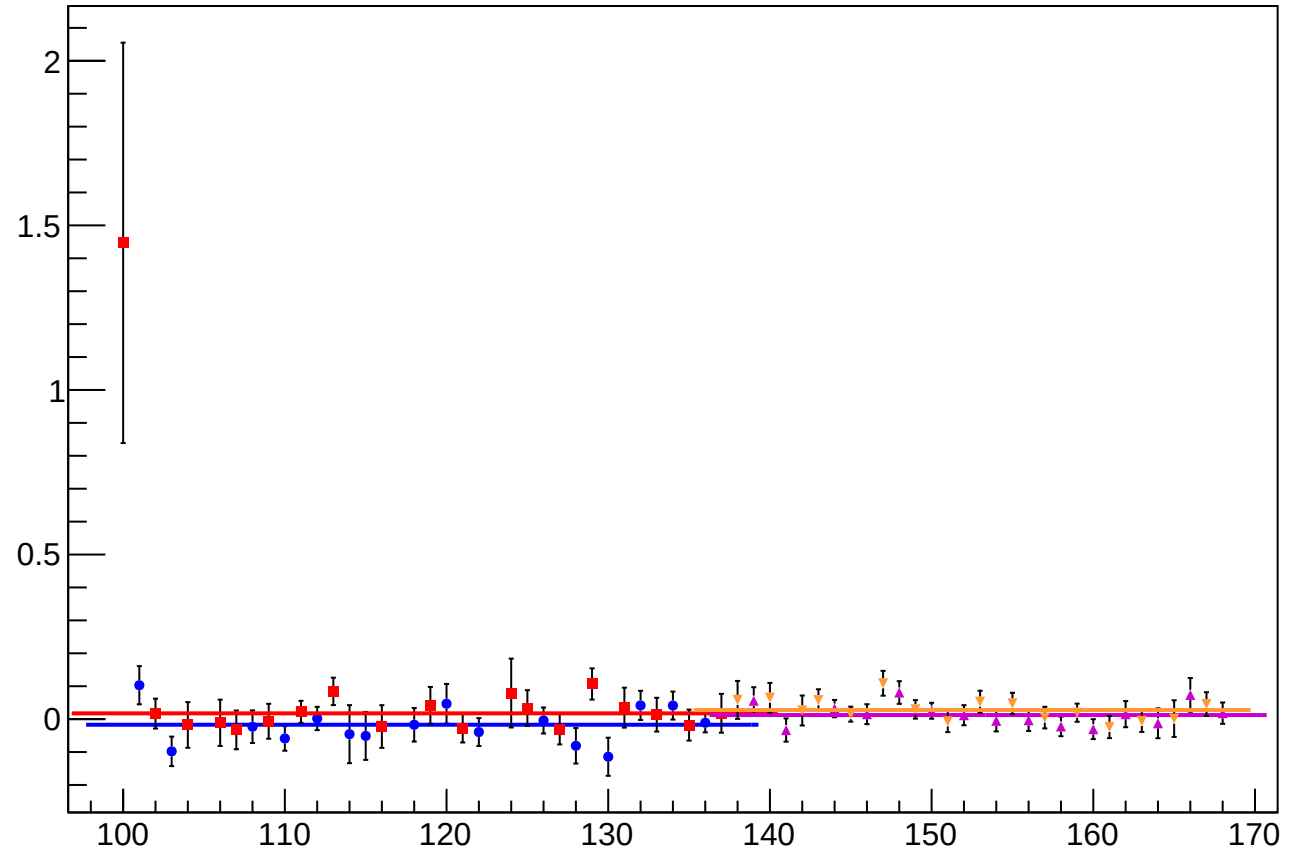
Left In: 0.000+/-0.000 χ^2/NDF:15.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 68.7/31

All: 0.000+/-0.000 χ^2/NDF: 109.5/65

- sign 0.000+/-0.000 χ^2/NDF: 40.8/33


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:5146753.0/15
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:4514936.5/14
+ sign 0.001+/-0.000 χ²/NDF: 10203956.4/31
All: 0.001+/-0.000 χ²/NDF: 19721073.3/65
- sign 0.001+/-0.000 χ²/NDF: 9513074.9/33



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.028+/-0.008 χ^2/NDF:13.2/15

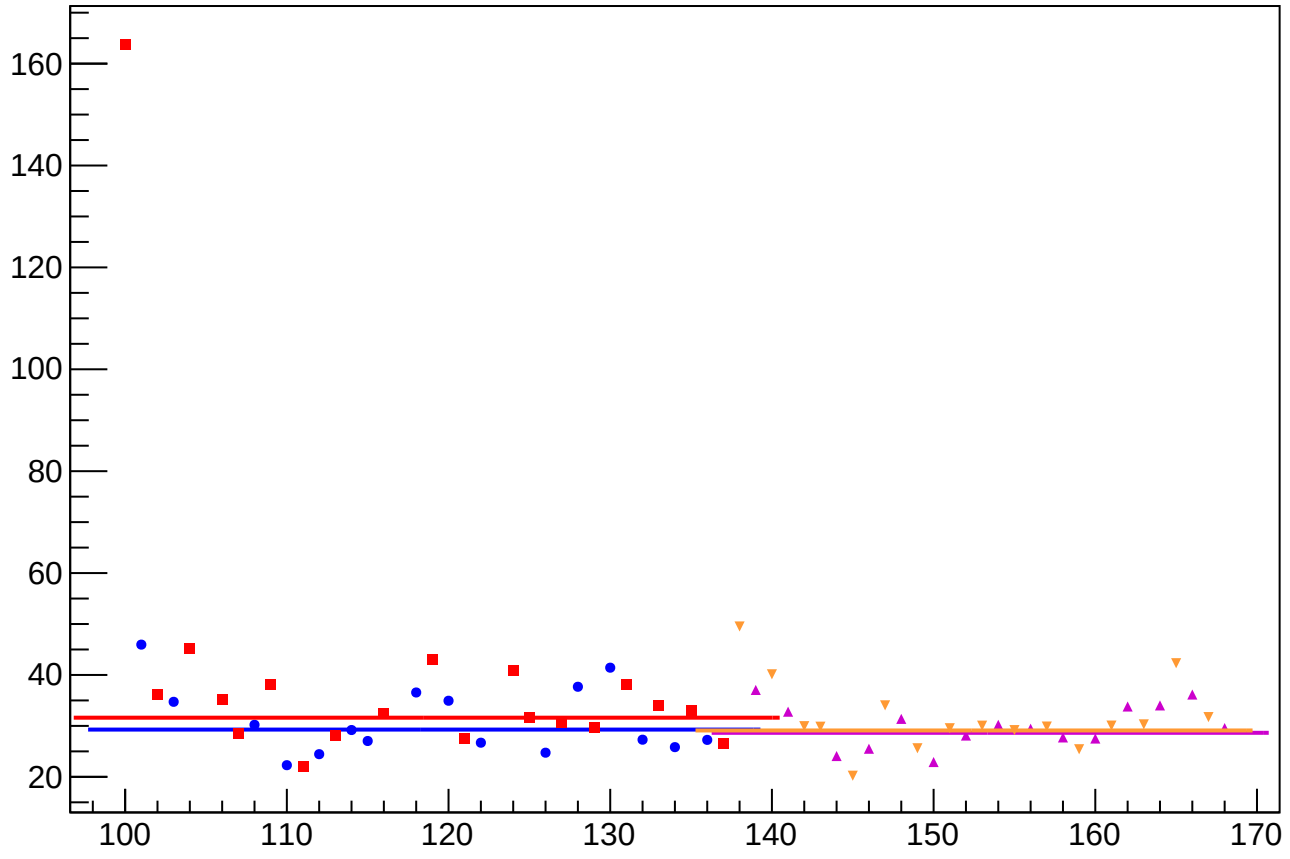
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.012+/-0.008 χ^2/NDF:13.3/14

+ sign 0.012+/-0.007 χ^2/NDF: 41.9/31

All: 0.013+/-0.005 χ^2/NDF: 72.2/65

- sign 0.014+/-0.007 χ^2/NDF: 30.2/33



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 29.105+/-0.006 χ^2/NDF:907297.8/15

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

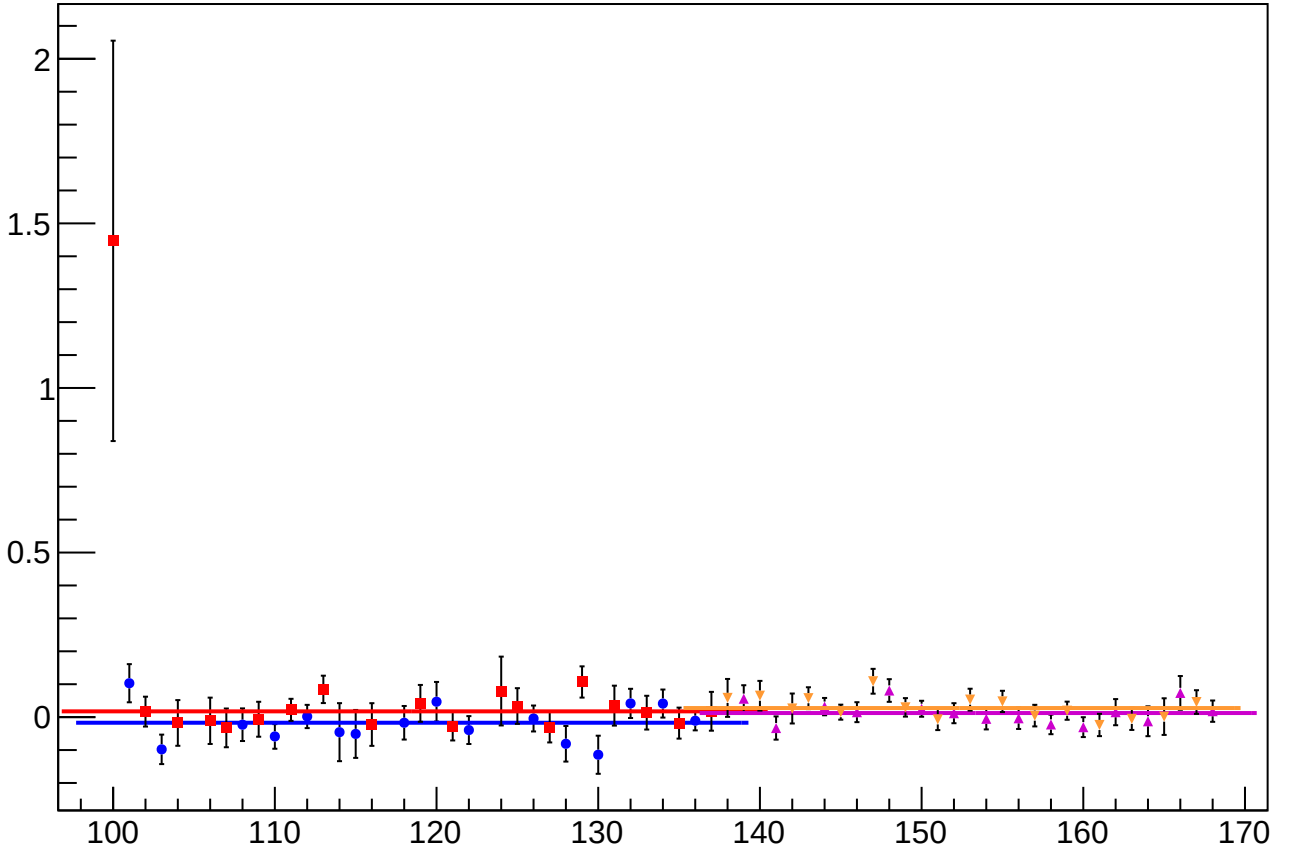
Left In: 28.645+/-0.006 χ^2/NDF:436158.8/14

+ sign 29.167+/-0.005 χ^2/NDF: 1468253.7/31

All: 29.385+/-0.003 χ^2/NDF: 2562014.3/65

- sign 29.611+/-0.005 χ^2/NDF: 1089539.1/33

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.028+/-0.008 χ^2/NDF:13.2/15

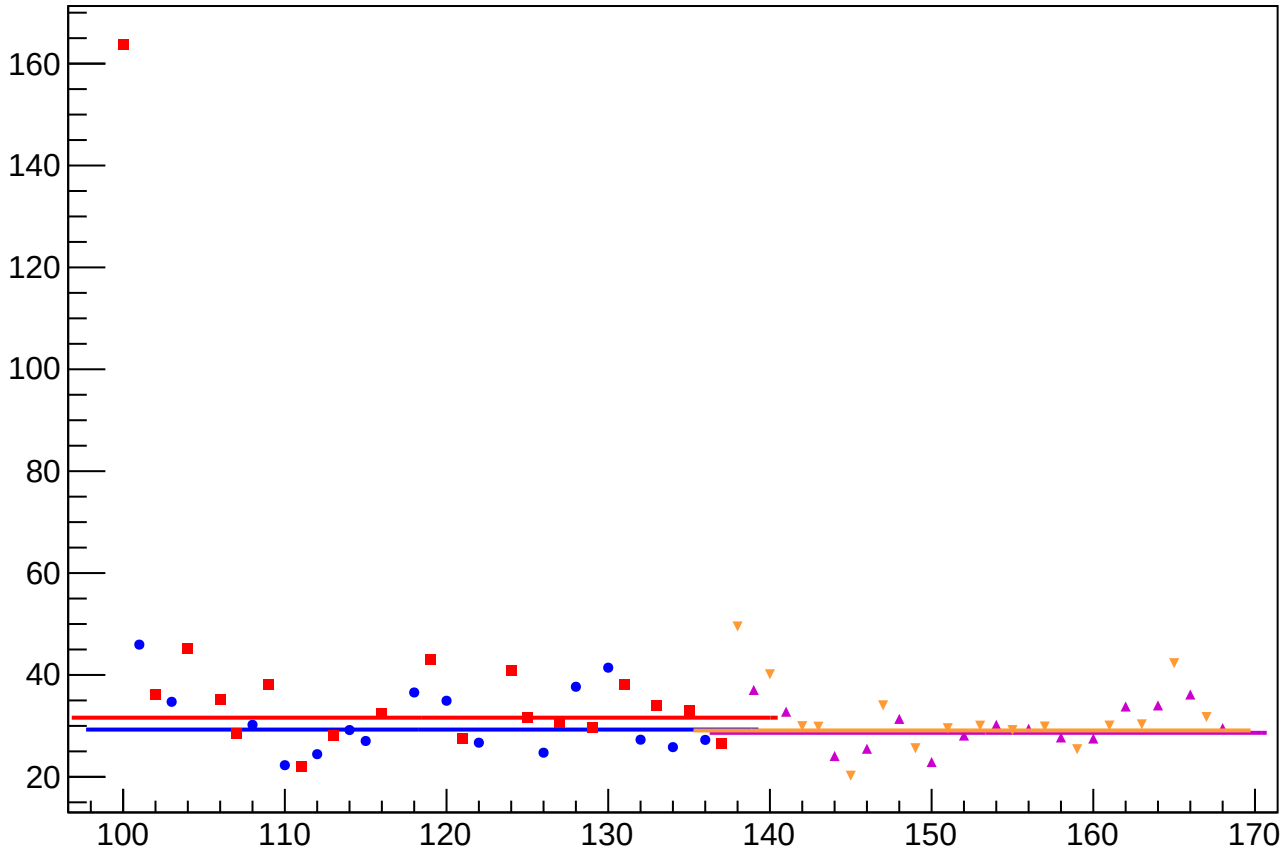
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.012+/-0.008 χ^2/NDF:13.3/14

+ sign 0.012+/-0.007 χ^2/NDF: 41.9/31

All: 0.013+/-0.005 χ^2/NDF: 72.2/65

- sign 0.014+/-0.007 χ^2/NDF: 30.2/33



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 29.105+/-0.006 χ^2/NDF:907297.8/15

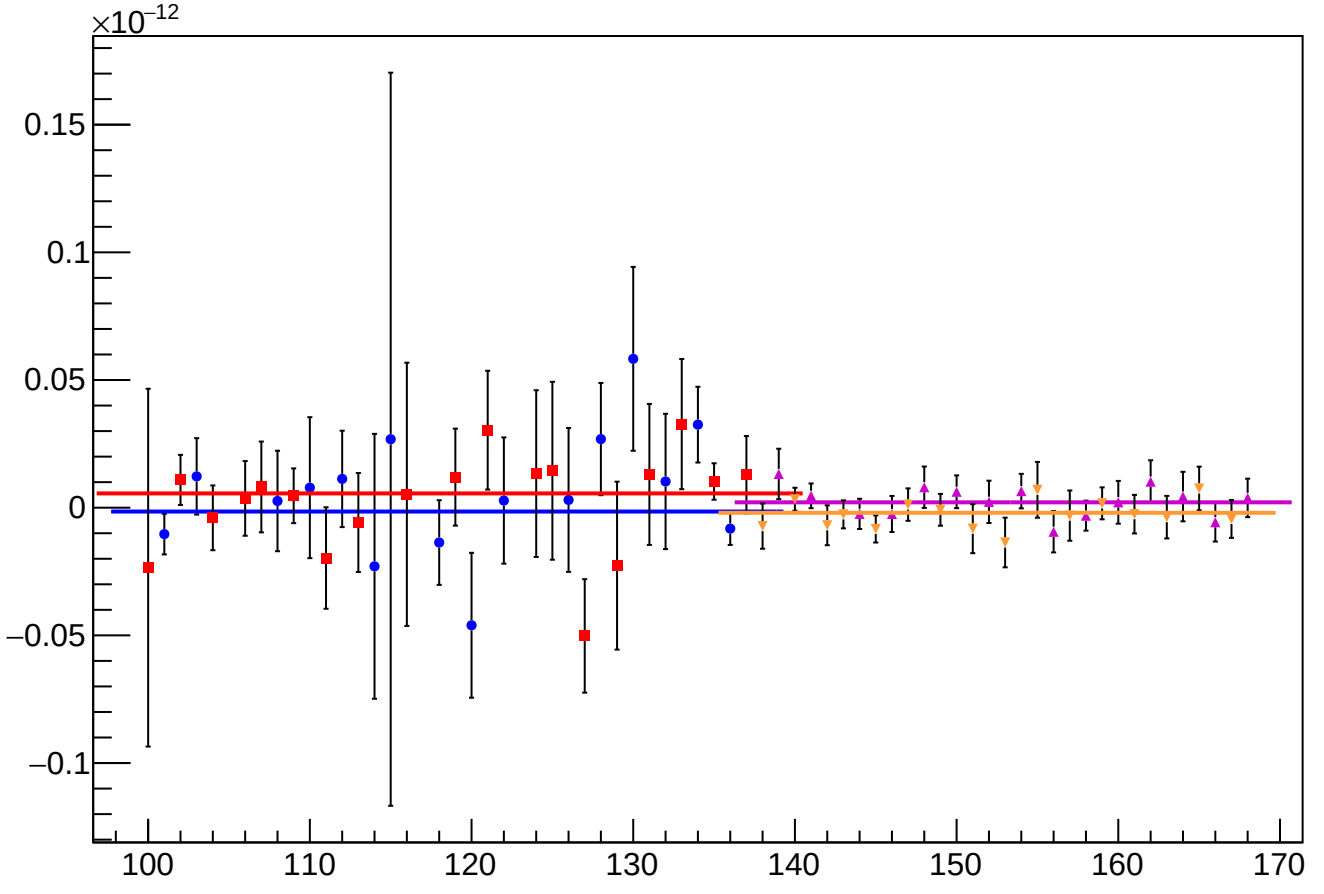
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.645+/-0.006 χ^2/NDF:436158.8/14

+ sign 29.167+/-0.005 χ^2/NDF: 1468253.7/31

All: 29.385+/-0.003 χ^2/NDF: 2562014.3/65

- sign 29.611+/-0.005 χ^2/NDF: 1089539.1/33



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.1/15

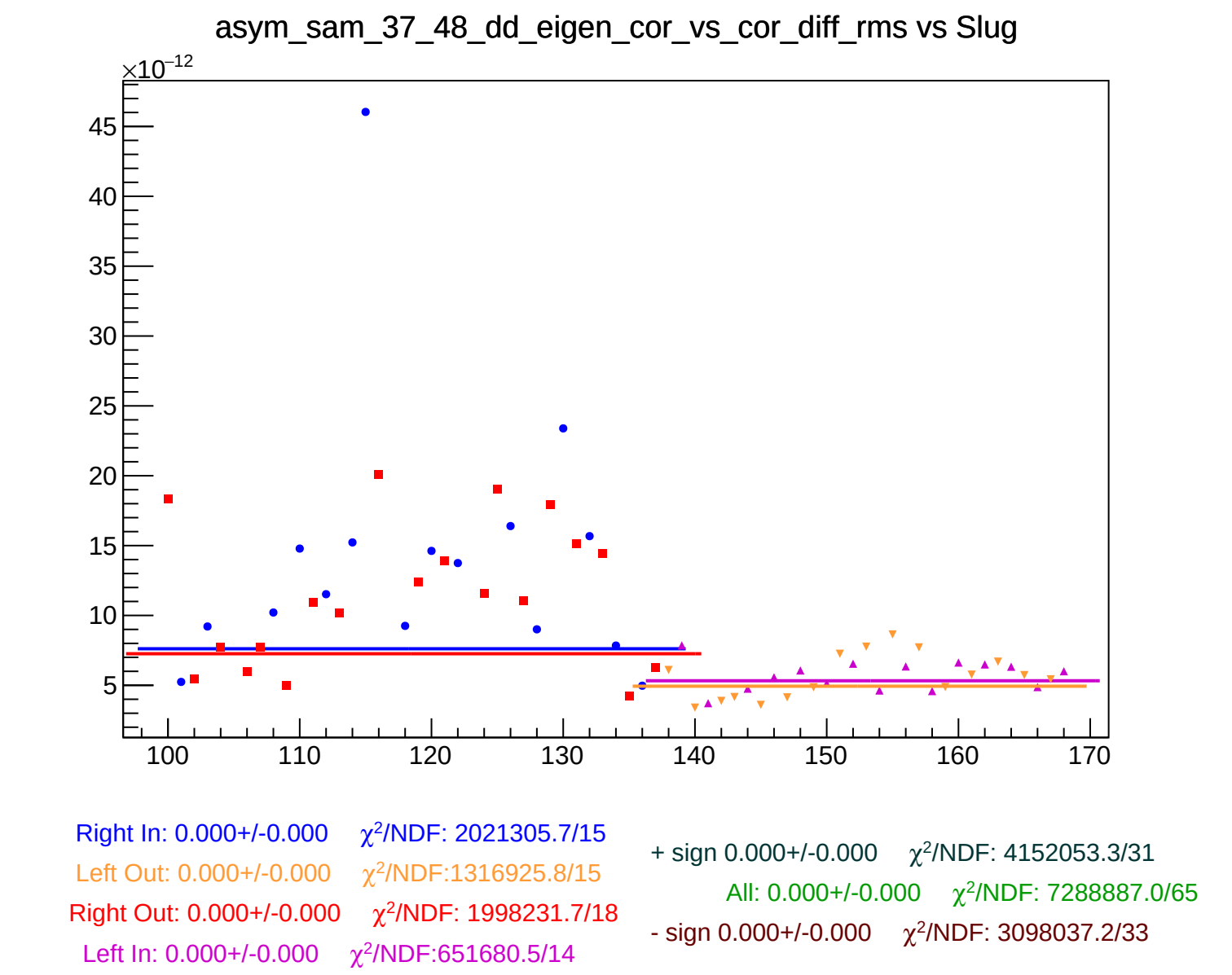
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/14

+ sign -0.000+/-0.000 χ^2/NDF: 25.1/31

All: 0.000+/-0.000 χ^2/NDF: 52.2/65

- sign 0.000+/-0.000 χ^2/NDF: 22.9/33


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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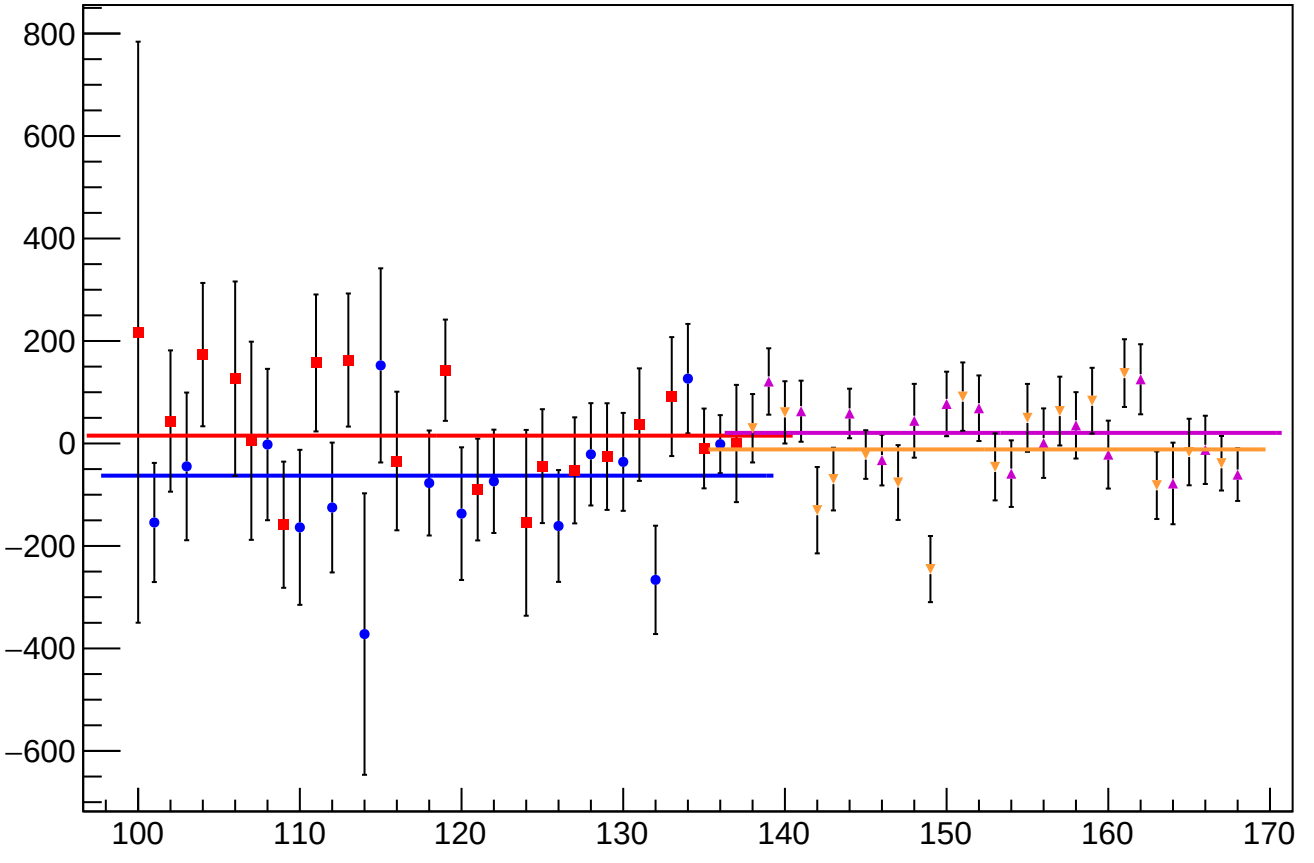
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1316925.8/15
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:651680.5/14
+ sign 0.000+/-0.000 χ²/NDF: 4152053.3/31
All: 0.000+/-0.000 χ²/NDF: 7288887.0/65
- sign 0.000+/-0.000 χ²/NDF: 3098037.2/33

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -11.590+/-15.862 χ^2/NDF:32.0/15

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

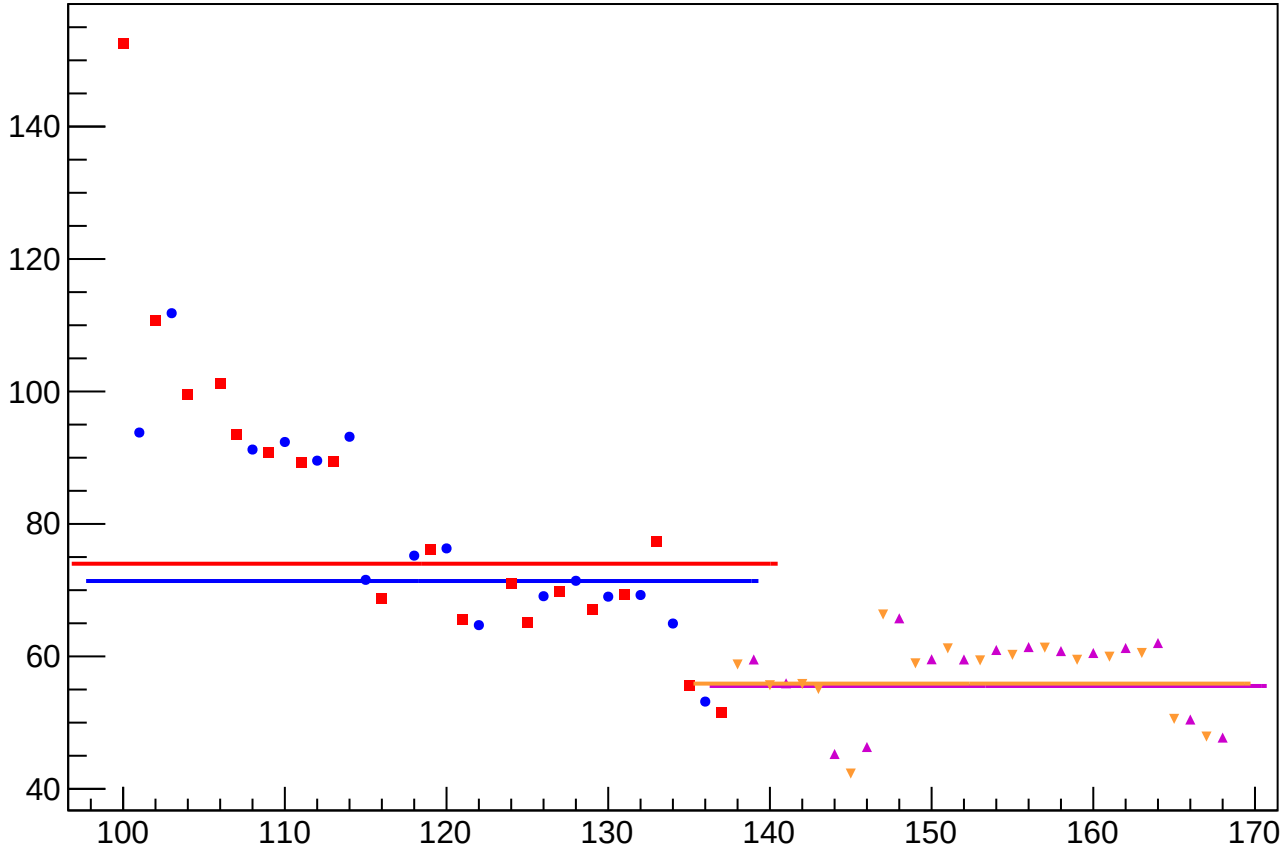
Left In: 20.689+/-15.929 χ^2/NDF:14.8/14

+ sign -24.576+/-13.704 χ^2/NDF: 48.1/31

All: -2.793+/-9.730 χ^2/NDF: 79.6/65

- sign 19.352+/-13.817 χ^2/NDF: 26.3/33

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 55.891+/-0.011 χ^2/NDF:335804.6/15

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

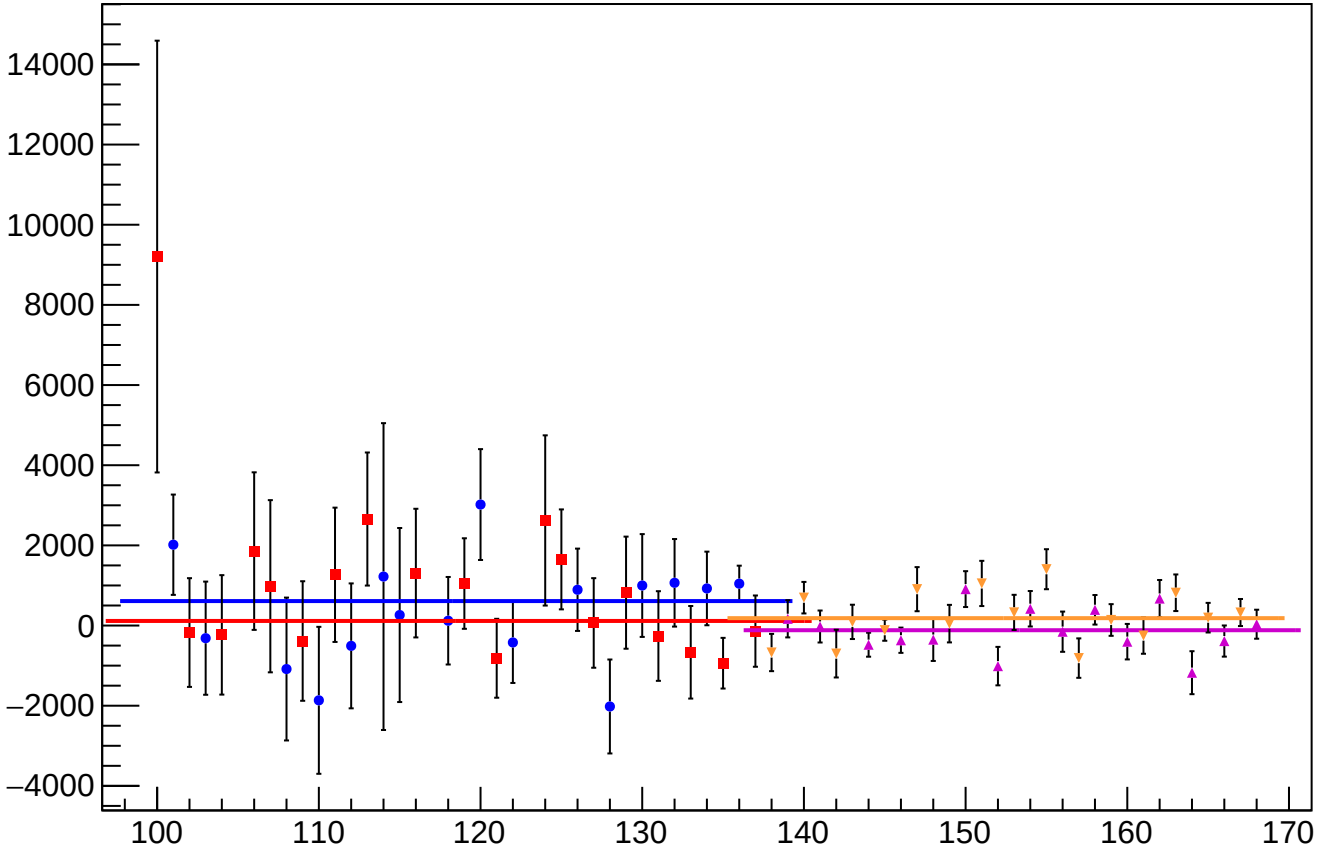
Left In: 55.535+/-0.011 χ^2/NDF:361970.5/14

+ sign 59.820+/-0.010 χ^2/NDF: 1410539.5/31

All: 59.961+/-0.007 χ^2/NDF: 3076274.2/65

- sign 60.105+/-0.010 χ^2/NDF: 1665305.2/33

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 184.324+/-105.265 χ^2/NDF:26.0/15

Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

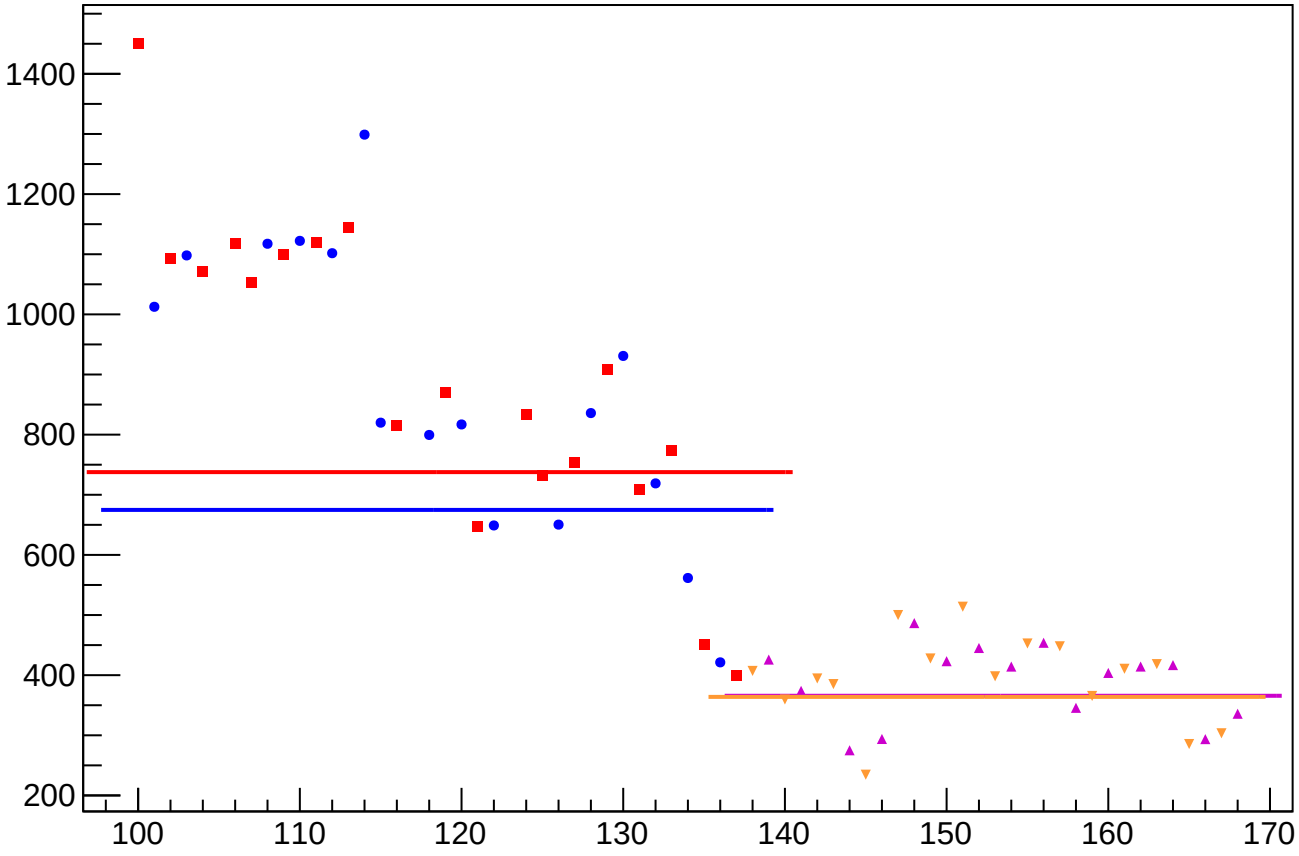
Left In: -116.621+/-106.024 χ^2/NDF:22.7/14

+ sign 241.737+/-97.919 χ^2/NDF: 43.9/31

All: 79.055+/-69.737 χ^2/NDF: 88.4/65

- sign -88.388+/-99.341 χ^2/NDF: 38.9/33

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 363.893+/-0.074 χ^2/NDF:1148208.1/15

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

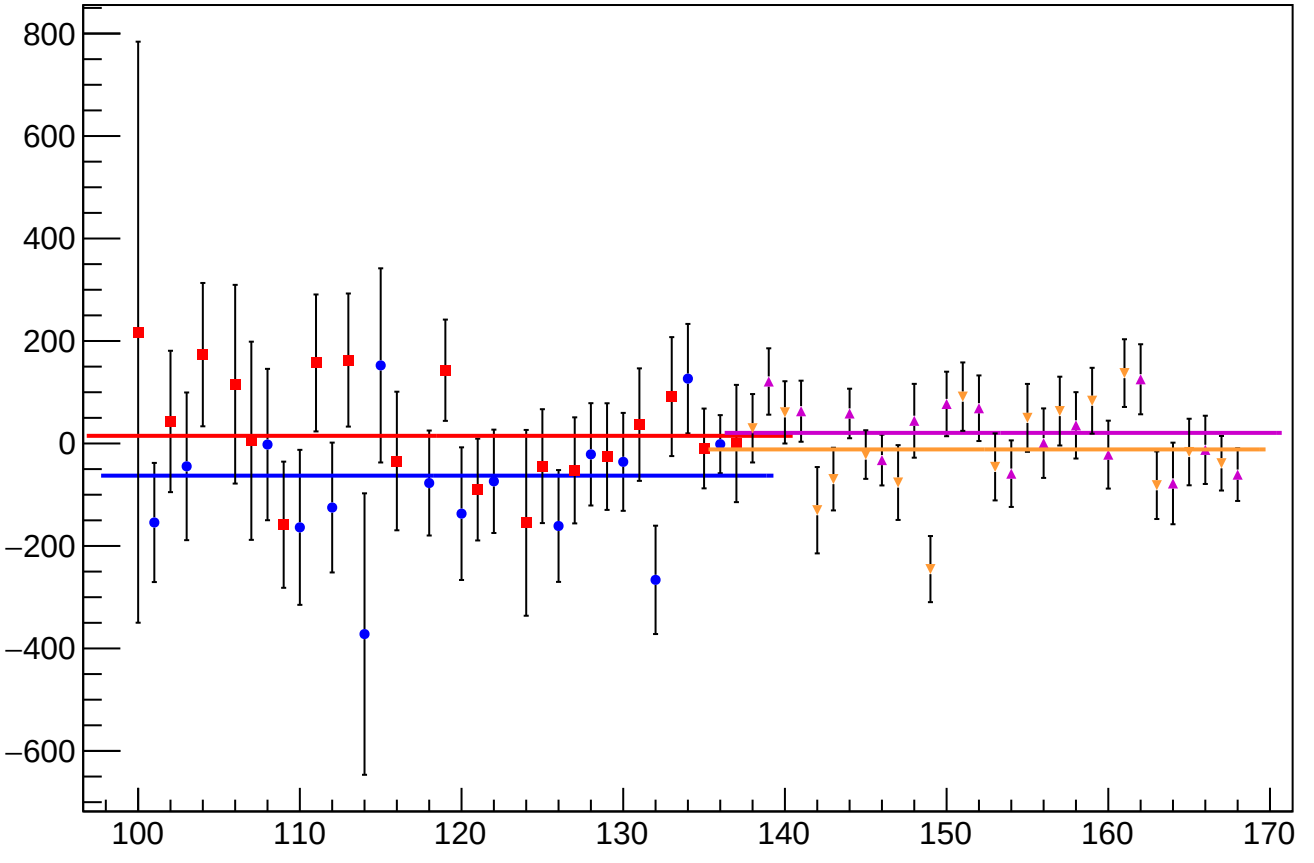
Left In: 365.738+/-0.075 χ^2/NDF:741584.9/14

+ sign 405.775+/-0.069 χ^2/NDF: 5116338.1/31

All: 408.422+/-0.049 χ^2/NDF: 10382524.4/65

- sign 411.147+/-0.070 χ^2/NDF: 5263220.2/33

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -11.590+/-15.862 χ^2/NDF:32.0/15

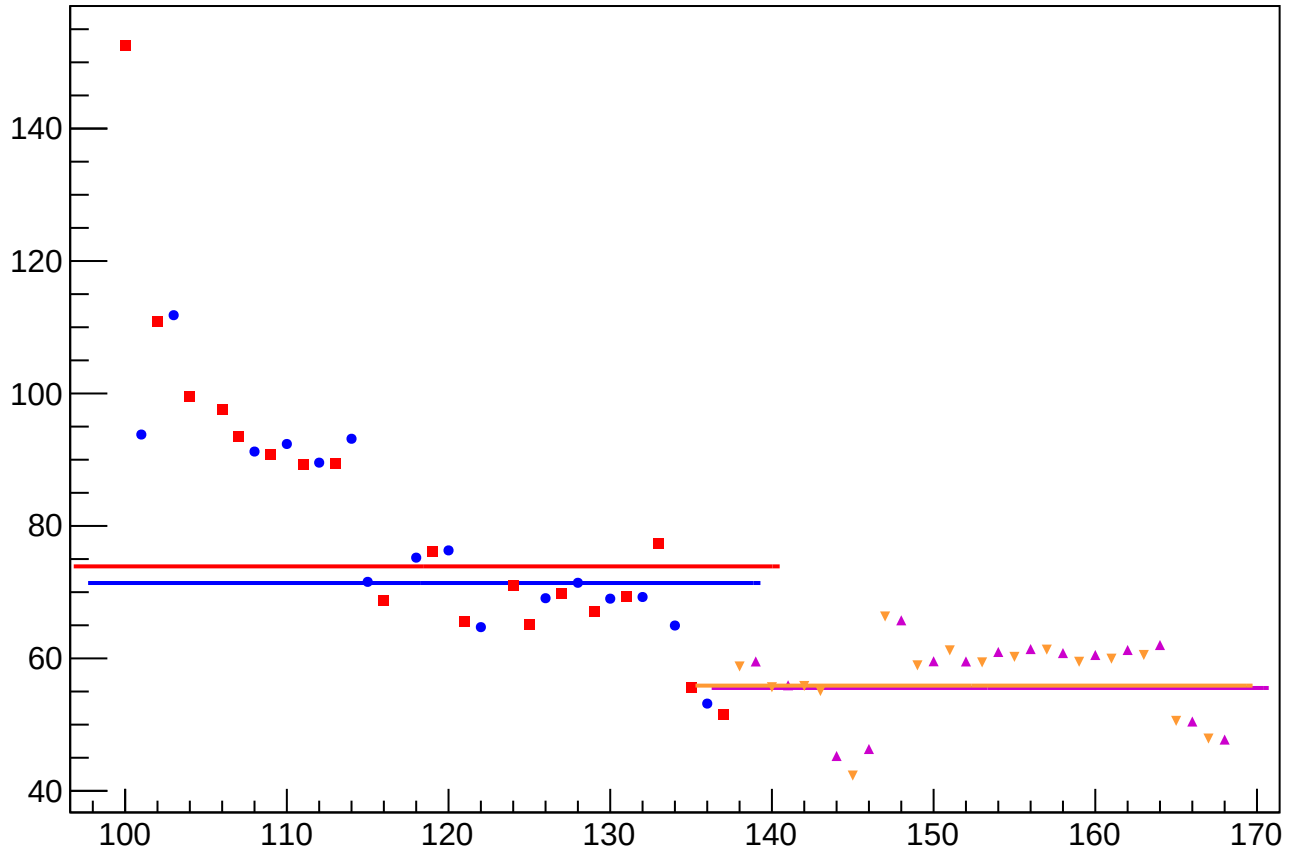
Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: 20.689+/-15.929 χ^2/NDF:14.8/14

+ sign -24.574+/-13.704 χ^2/NDF: 48.1/31

All: -2.837+/-9.730 χ^2/NDF: 79.5/65

- sign 19.265+/-13.819 χ^2/NDF: 26.3/33



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 55.891+/-0.011 χ^2/NDF:335804.6/15

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

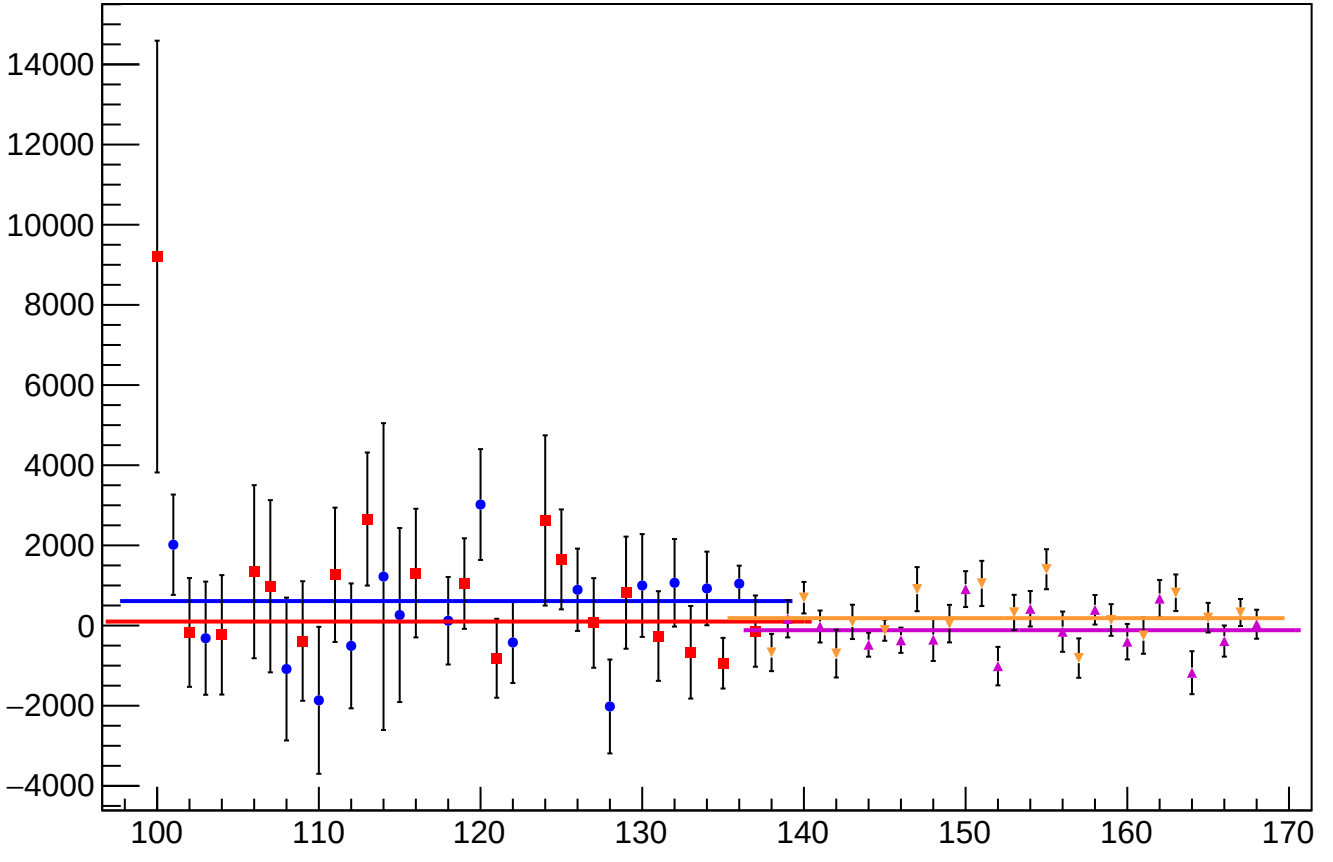
Left In: 55.535+/-0.011 χ^2/NDF:361970.5/14

+ sign 59.820+/-0.010 χ^2/NDF: 1410542.1/31

All: 59.947+/-0.007 χ^2/NDF: 3057127.3/65

- sign 60.077+/-0.010 χ^2/NDF: 1646235.8/33

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 184.323+/-105.265 χ^2/NDF:26.0/15

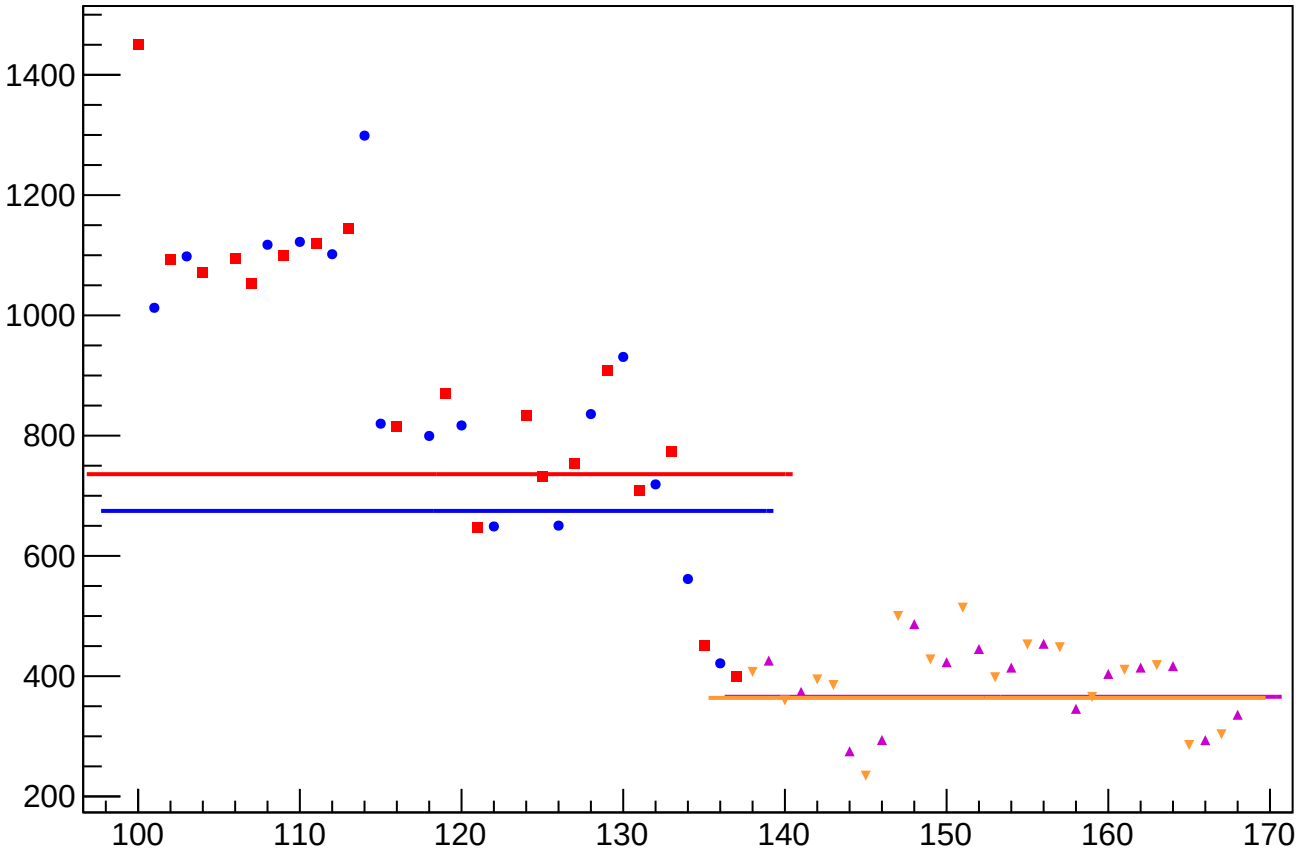
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -116.619+/-106.024 χ^2/NDF:22.7/14

+ sign 241.734+/-97.919 χ^2/NDF: 43.9/31

All: 78.142+/-69.744 χ^2/NDF: 87.9/65

- sign -90.311+/-99.363 χ^2/NDF: 38.3/33



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 363.893+/-0.074 χ^2/NDF:1148213.1/15

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

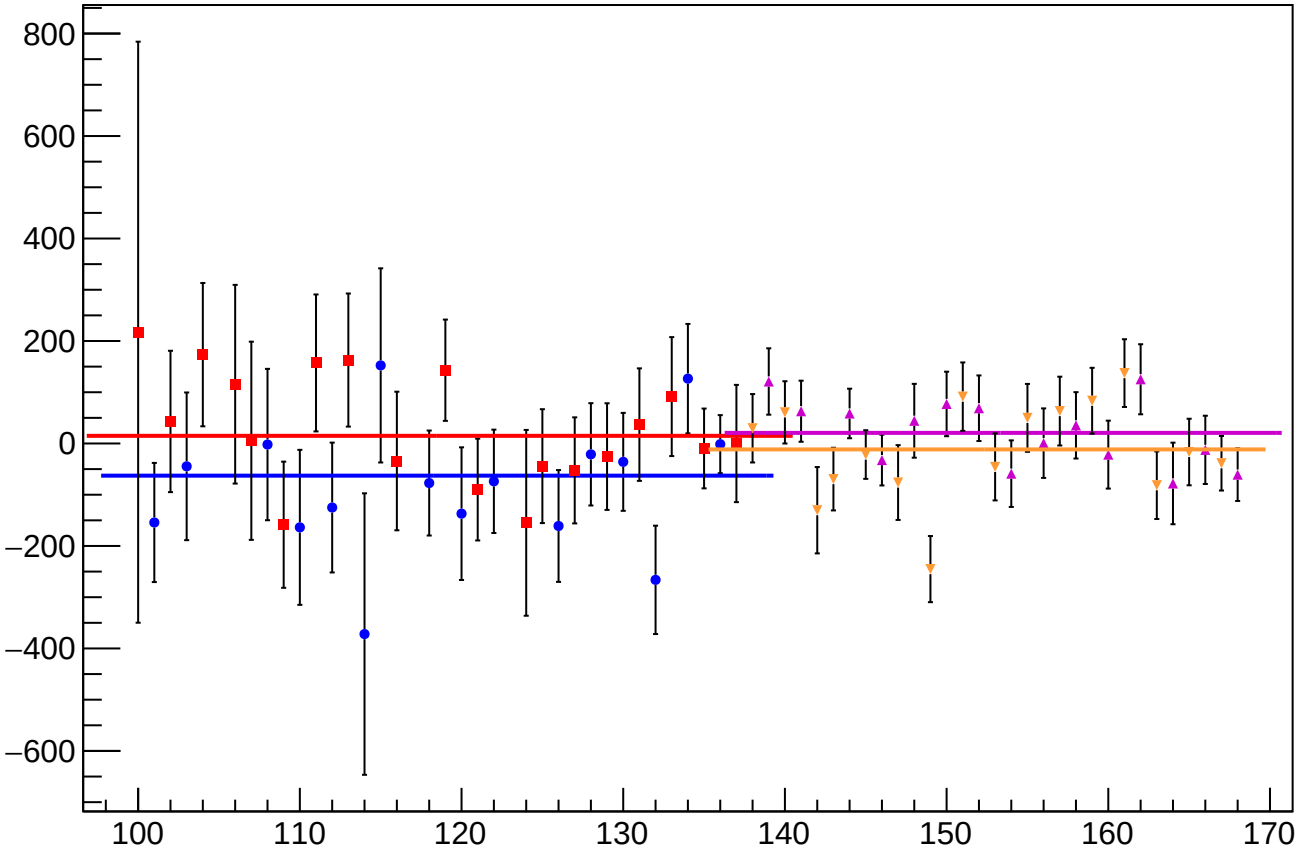
Left In: 365.738+/-0.075 χ^2/NDF:741587.4/14

+ sign 405.775+/-0.069 χ^2/NDF: 5116368.3/31

All: 408.245+/-0.049 χ^2/NDF: 10324590.3/65

- sign 410.788+/-0.070 χ^2/NDF: 5205639.2/33

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -11.590+/-15.862 χ^2/NDF:32.0/15

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

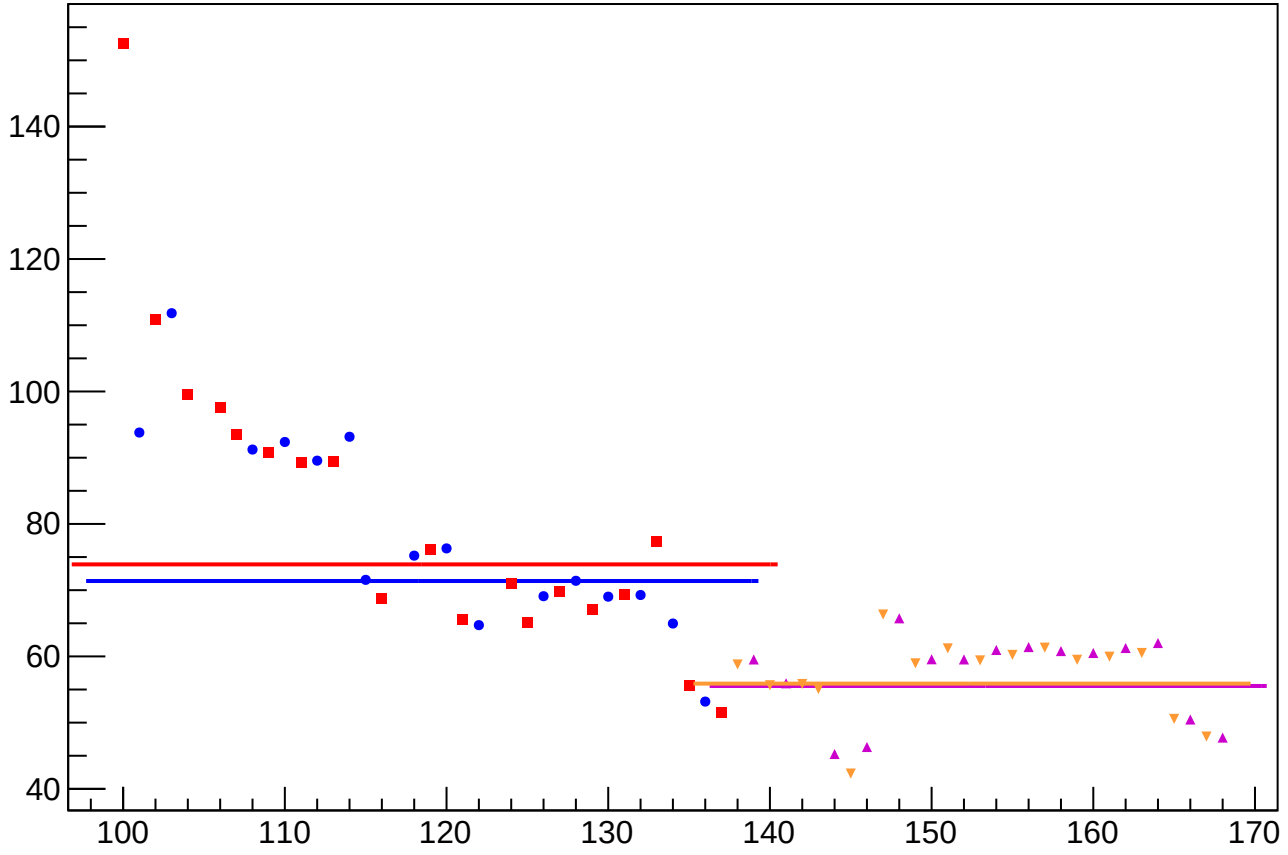
Left In: 20.689+/-15.929 χ^2/NDF:14.8/14

+ sign -24.574+/-13.704 χ^2/NDF: 48.1/31

All: -2.837+/-9.730 χ^2/NDF: 79.5/65

- sign 19.265+/-13.819 χ^2/NDF: 26.3/33

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 55.891+/-0.011 χ^2/NDF:335804.6/15

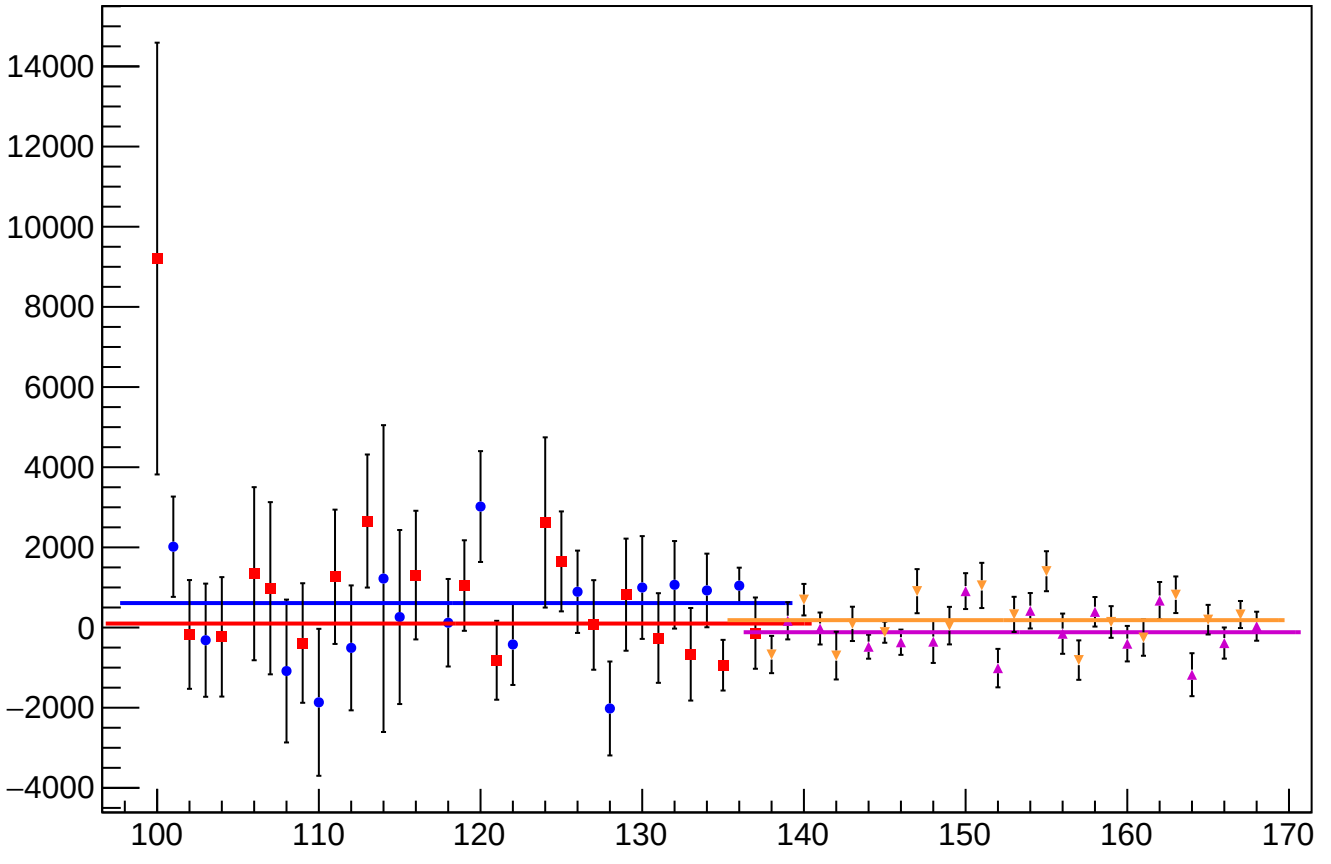
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 55.535+/-0.011 χ^2/NDF:361970.5/14

+ sign 59.820+/-0.010 χ^2/NDF: 1410542.1/31

All: 59.947+/-0.007 χ^2/NDF: 3057127.3/65

- sign 60.077+/-0.010 χ^2/NDF: 1646235.8/33



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 184.323+/-105.265 χ^2/NDF:26.0/15

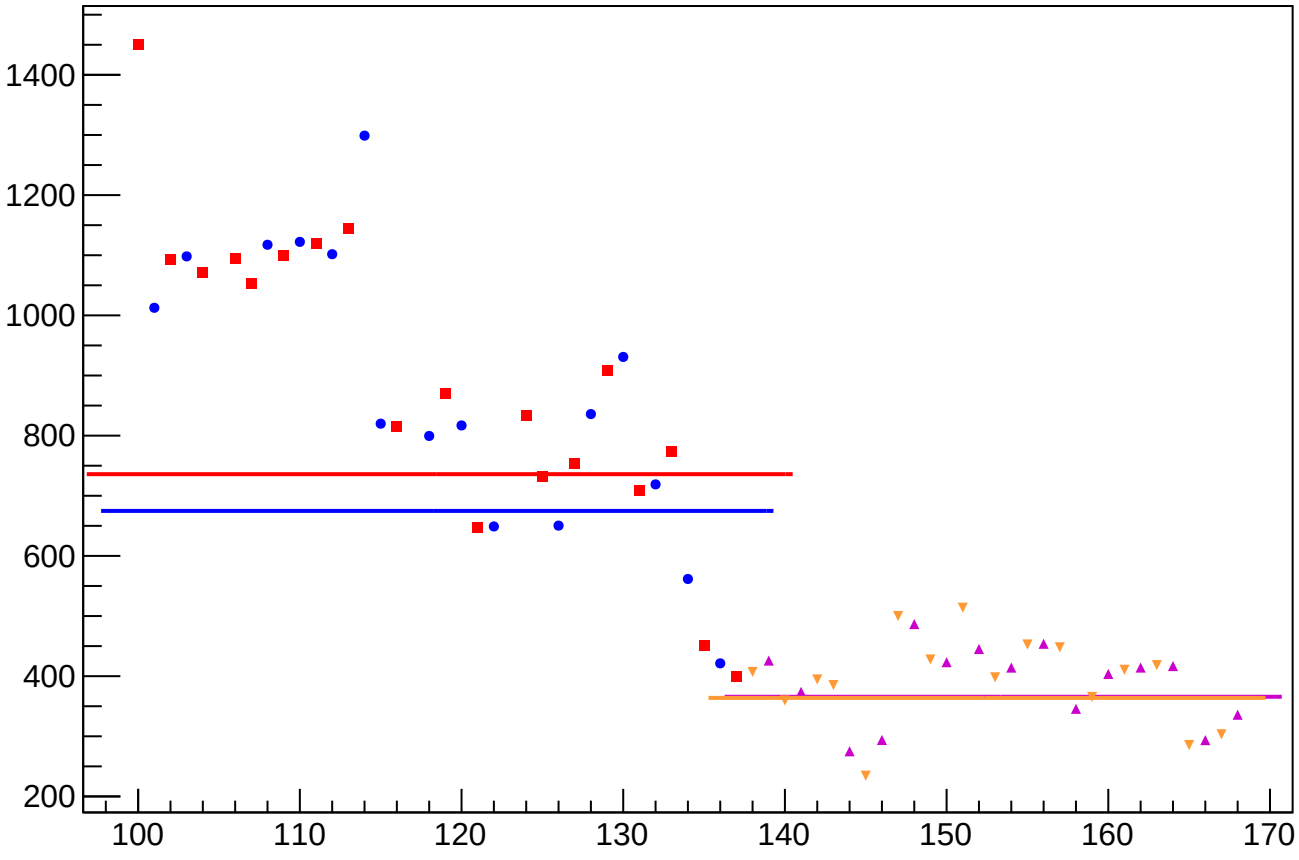
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -116.619+/-106.024 χ^2/NDF:22.7/14

+ sign 241.734+/-97.919 χ^2/NDF: 43.9/31

All: 78.142+/-69.744 χ^2/NDF: 87.9/65

- sign -90.311+/-99.363 χ^2/NDF: 38.3/33



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 363.893+/-0.074 χ^2/NDF:1148213.1/15

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

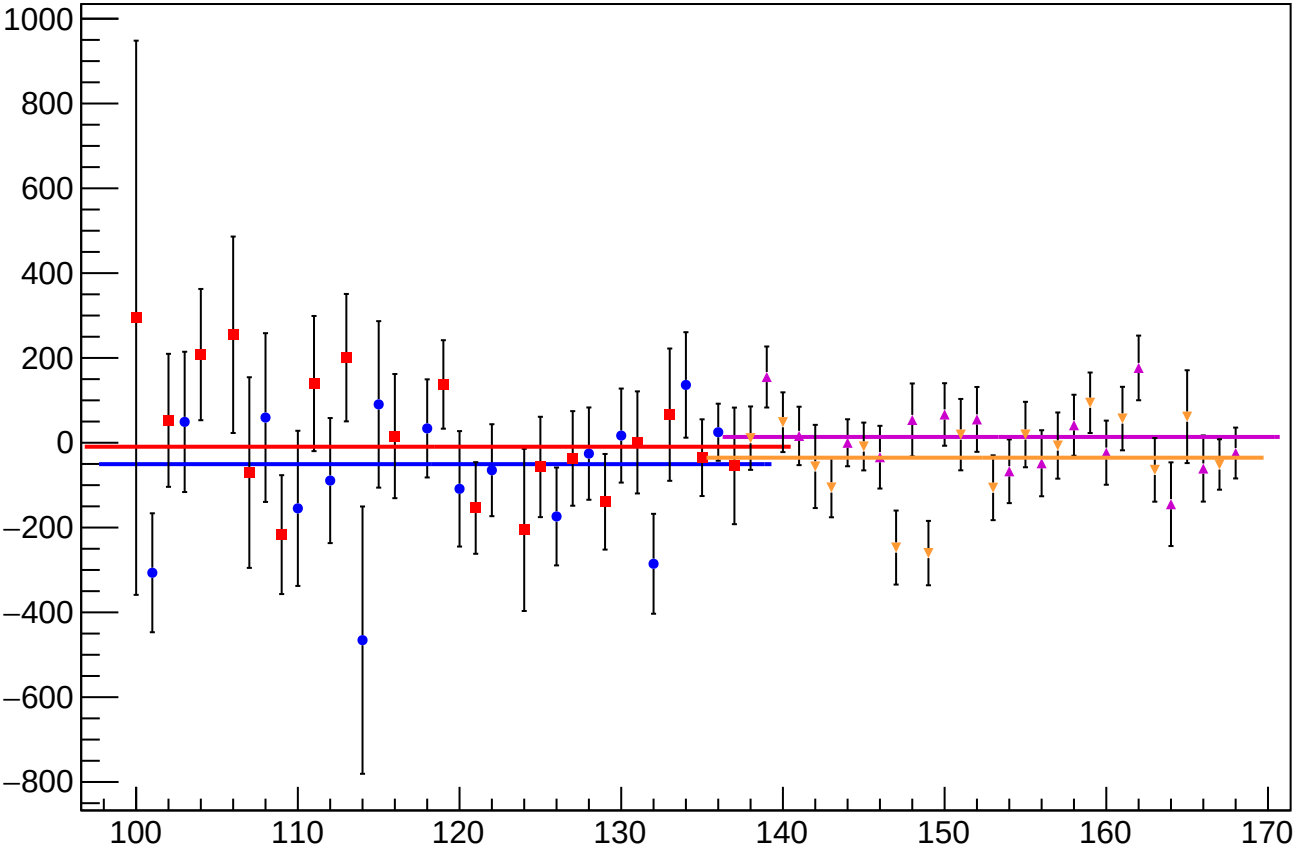
Left In: 365.738+/-0.075 χ^2/NDF:741587.4/14

+ sign 405.775+/-0.069 χ^2/NDF: 5116368.3/31

All: 408.245+/-0.049 χ^2/NDF: 10324590.3/65

- sign 410.788+/-0.070 χ^2/NDF: 5205639.2/33

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -35.247+/-18.668 χ^2/NDF:25.5/15

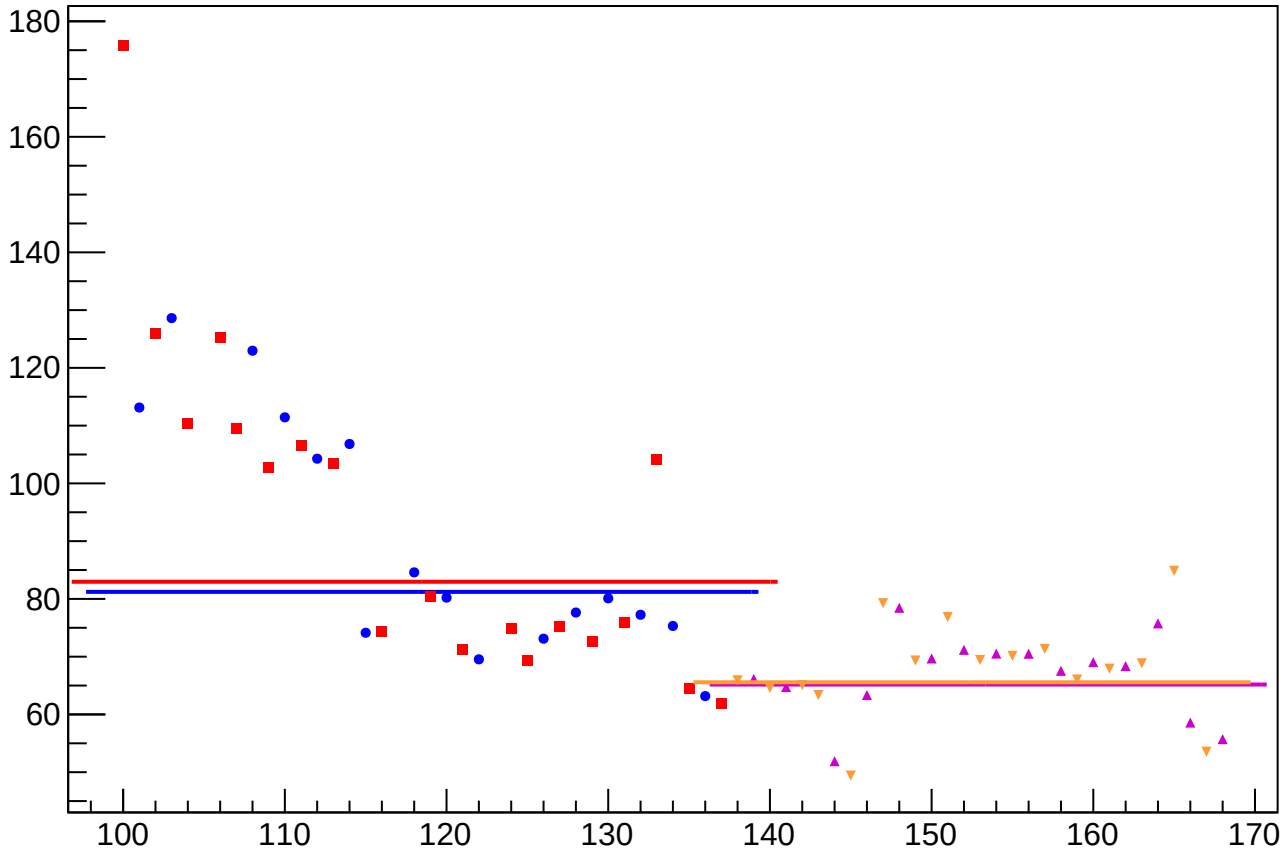
Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: 13.704+/-18.798 χ^2/NDF:16.0/14

+ sign -39.285+/-16.001 χ^2/NDF: 42.1/31

All: -16.014+/-11.351 χ^2/NDF: 78.3/65

- sign 7.566+/-16.106 χ^2/NDF: 32.0/33



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 65.568+/-0.013 χ^2/NDF:429563.1/15

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

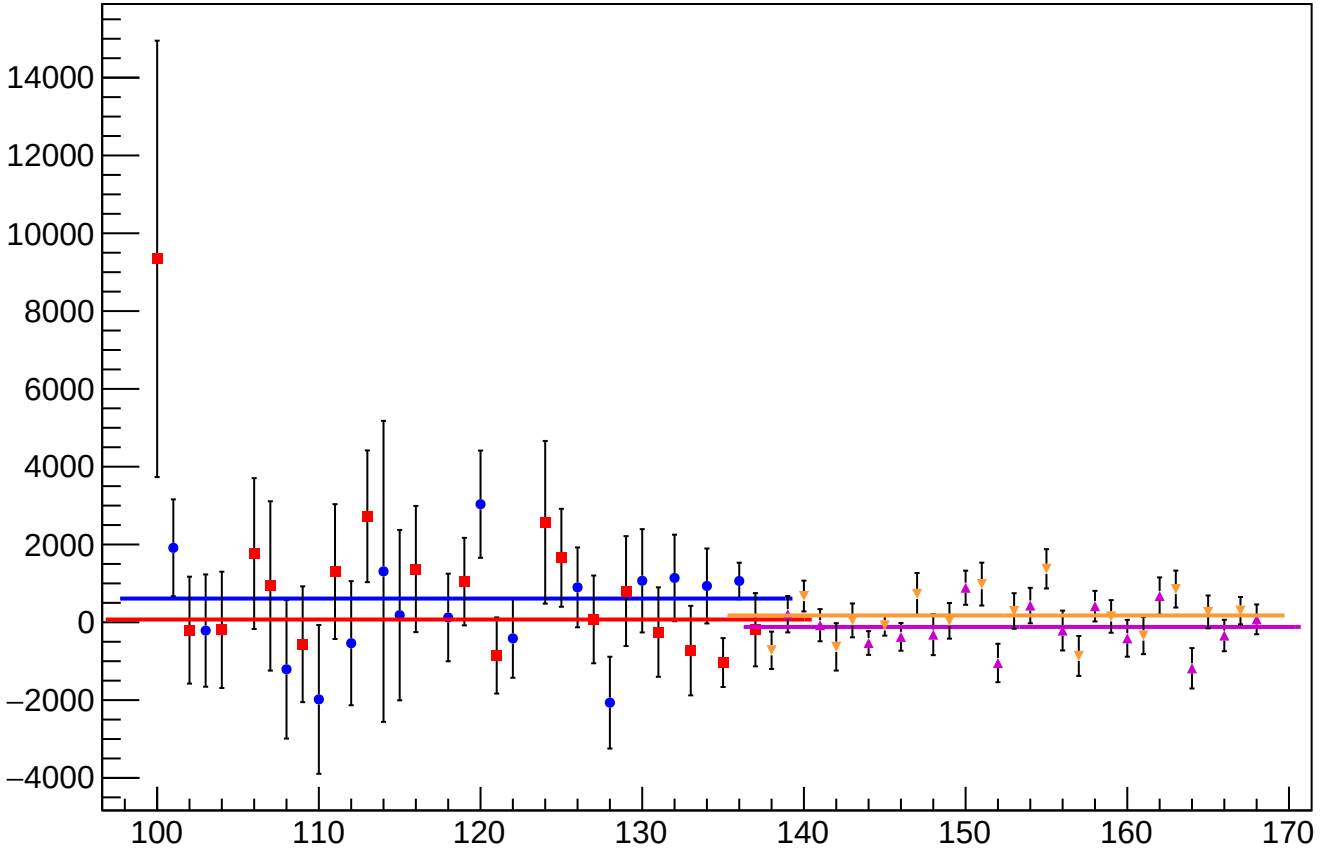
Left In: 65.174+/-0.013 χ^2/NDF:301455.0/14

+ sign 69.721+/-0.011 χ^2/NDF: 1465420.0/31

All: 69.813+/-0.008 χ^2/NDF: 2974033.1/65

- sign 69.906+/-0.011 χ^2/NDF: 1508479.8/33

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 176.650+/-108.223 χ^2/NDF:24.3/15

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

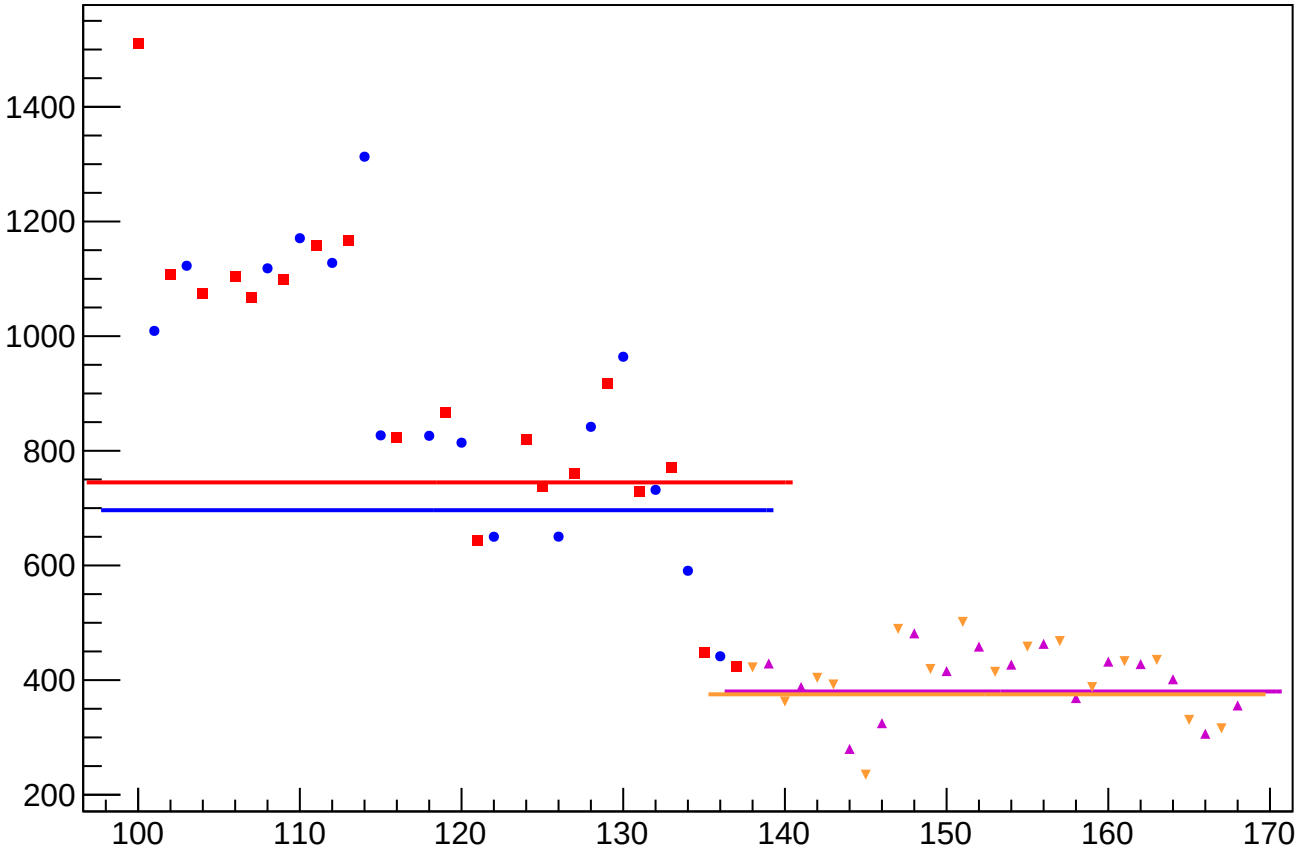
Left In: -119.309+/-110.063 χ^2/NDF:23.0/14

\+ sign 235.189+/-100.655 χ^2/NDF: 42.3/31

All: 73.647+/-71.906 χ^2/NDF: 87.1/65

\- sign -94.716+/-102.758 χ^2/NDF: 39.6/33

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 375.207+/-0.077 χ^2/NDF:1089758.9/15

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

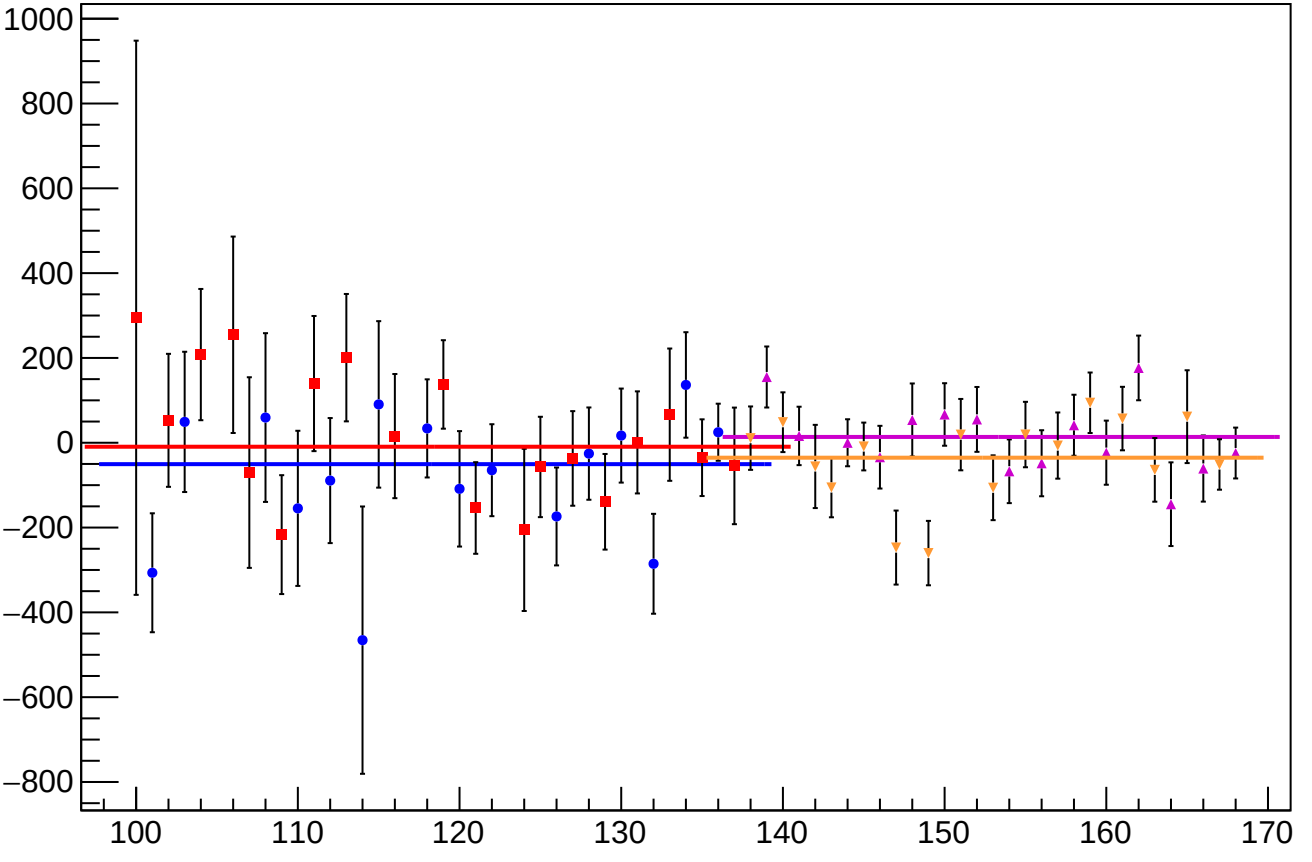
Left In: 380.169+/-0.078 χ^2/NDF:621816.2/14

+ sign 418.553+/-0.071 χ^2/NDF: 4982479.5/31

All: 422.678+/-0.051 χ^2/NDF: 9927968.1/65

- sign 426.977+/-0.073 χ^2/NDF: 4938628.8/33

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -35.246+/-18.668 χ^2/NDF:25.5/15

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

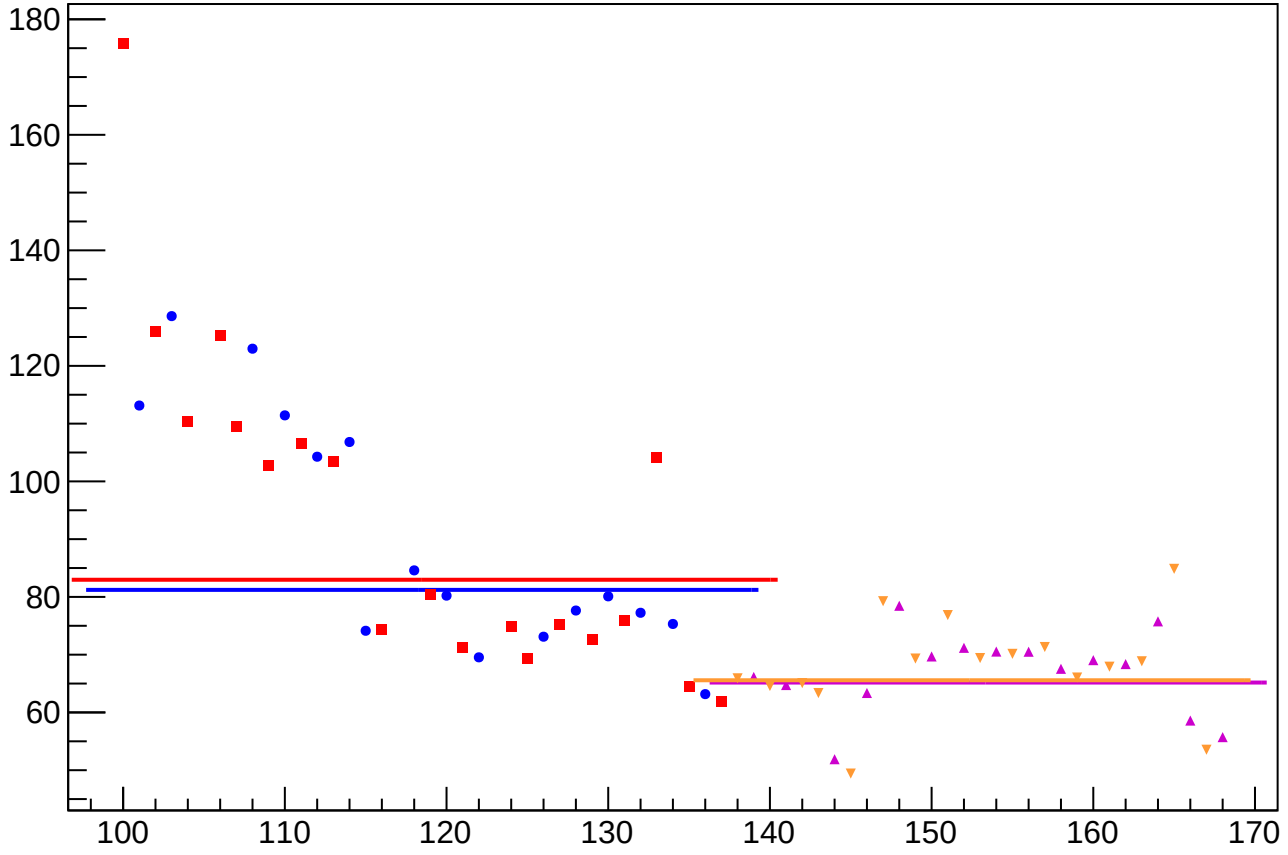
Left In: 13.702+/-18.798 χ^2/NDF:16.0/14

+ sign -39.285+/-16.001 χ^2/NDF: 42.1/31

All: -16.014+/-11.351 χ^2/NDF: 78.3/65

- sign 7.565+/-16.106 χ^2/NDF: 32.0/33

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 65.568+/-0.013 χ^2/NDF:429562.9/15

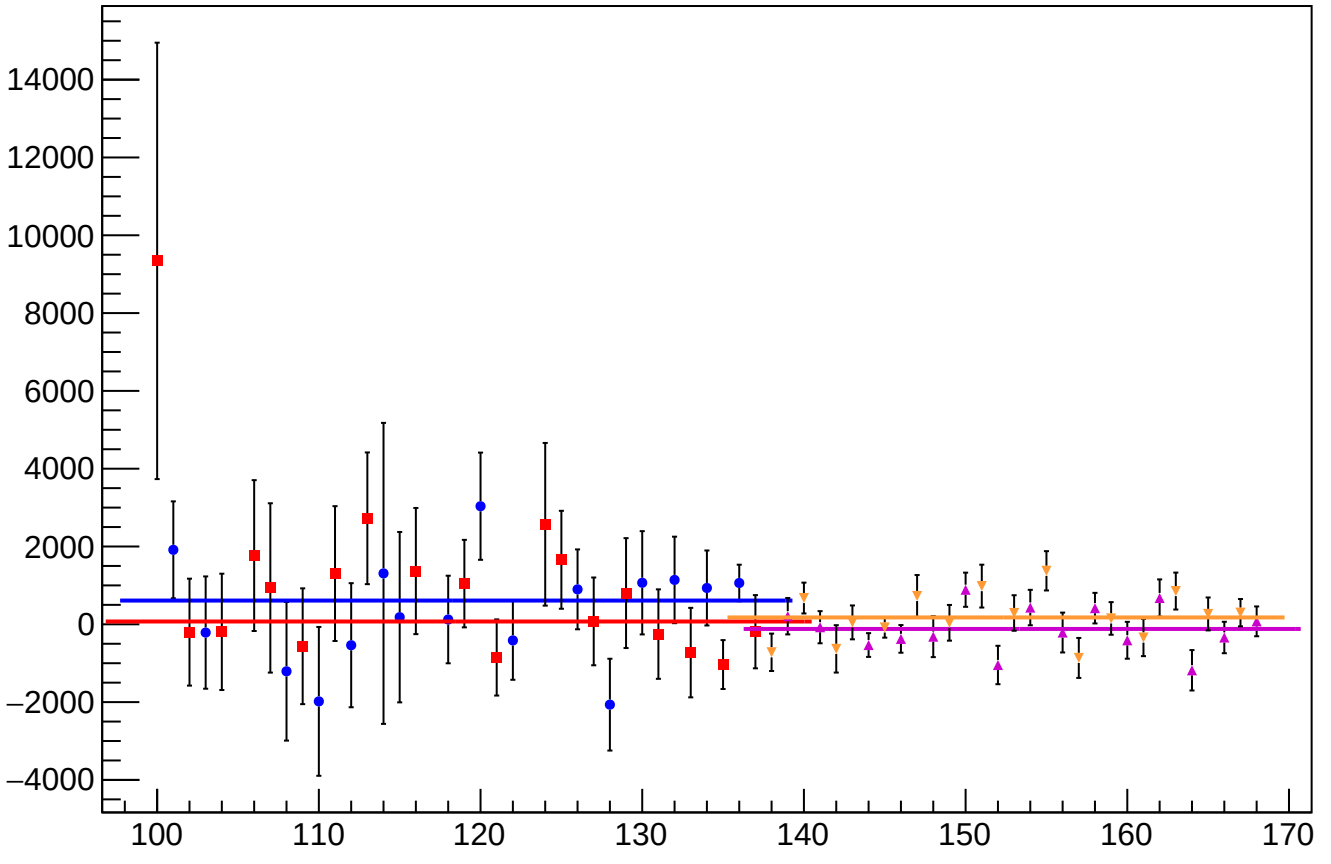
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 65.174+/-0.013 χ^2/NDF:301453.7/14

+ sign 69.721+/-0.011 χ^2/NDF: 1465383.2/31

All: 69.813+/-0.008 χ^2/NDF: 2973965.0/65

- sign 69.906+/-0.011 χ^2/NDF: 1508448.4/33



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 176.650+/-108.223 χ^2/NDF:24.3/15

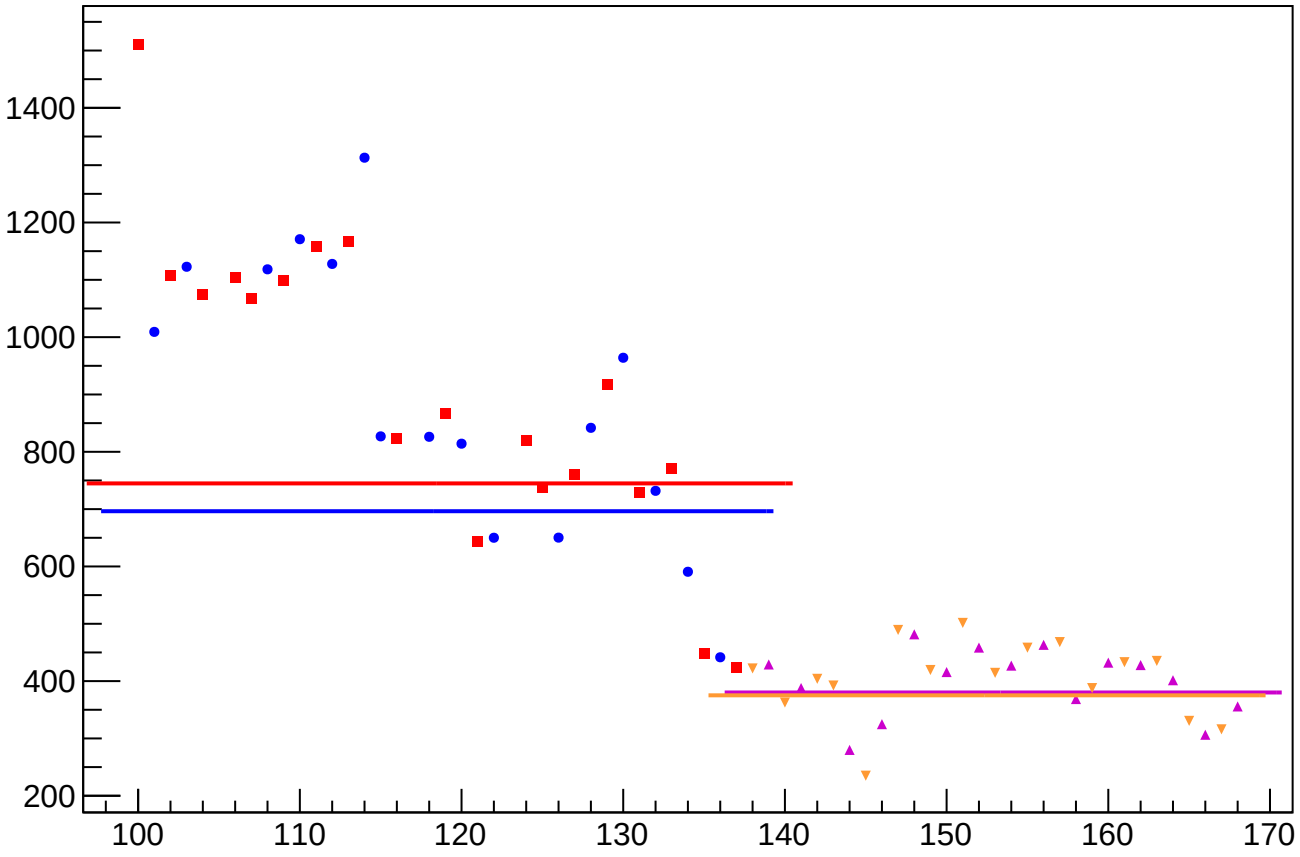
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -119.310+/-110.063 χ^2/NDF:23.0/14

+ sign 235.189+/-100.655 χ^2/NDF: 42.3/31

All: 73.647+/-71.906 χ^2/NDF: 87.1/65

- sign -94.716+/-102.758 χ^2/NDF: 39.6/33



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 375.207+/-0.077 χ^2/NDF:1089779.7/15

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

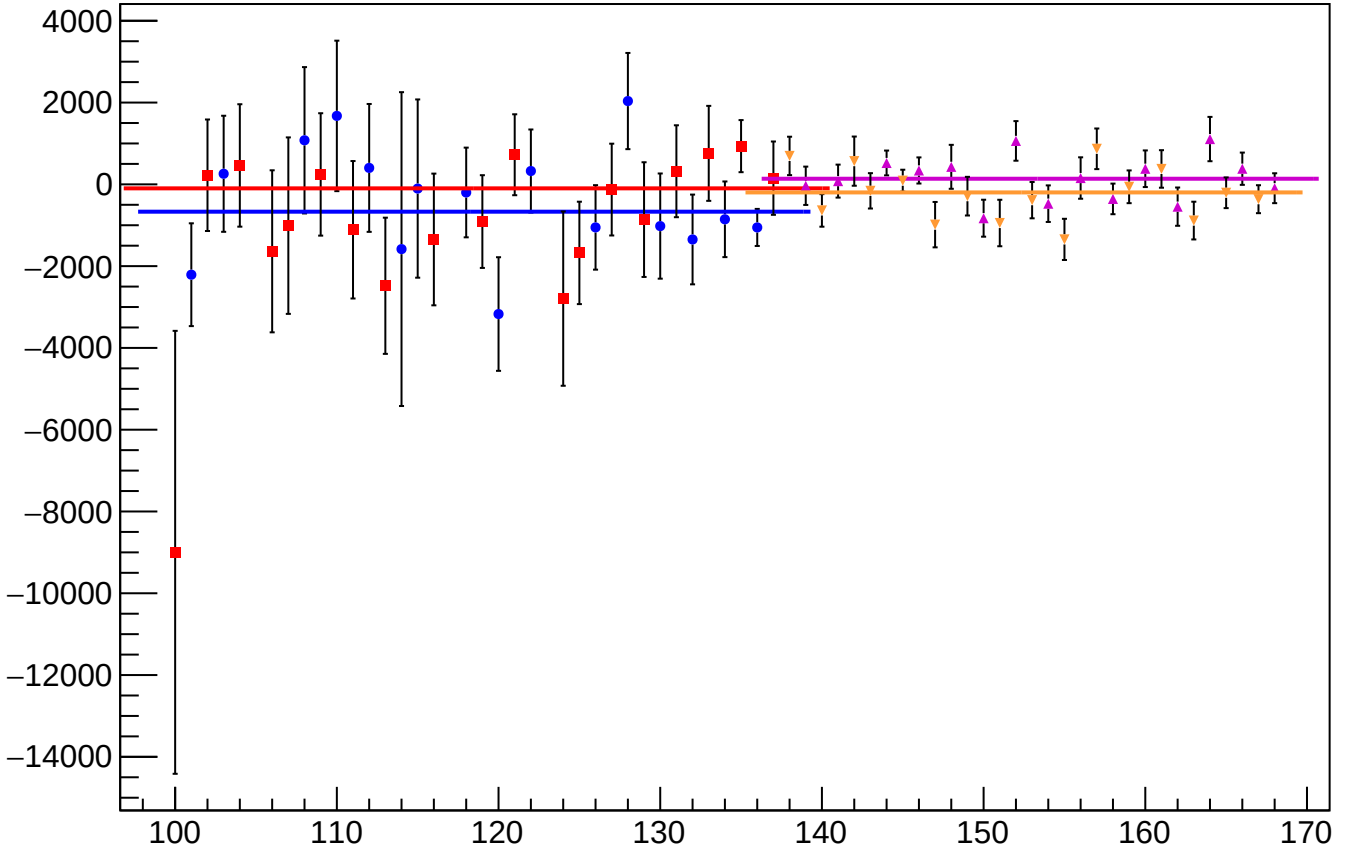
Left In: 380.169+/-0.078 χ^2/NDF:621824.8/14

+ sign 418.553+/-0.071 χ^2/NDF: 4982479.2/31

All: 422.678+/-0.051 χ^2/NDF: 9927954.2/65

- sign 426.977+/-0.073 χ^2/NDF: 4938614.9/33

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -197.422+/-106.532 χ^2/NDF:25.5/15

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

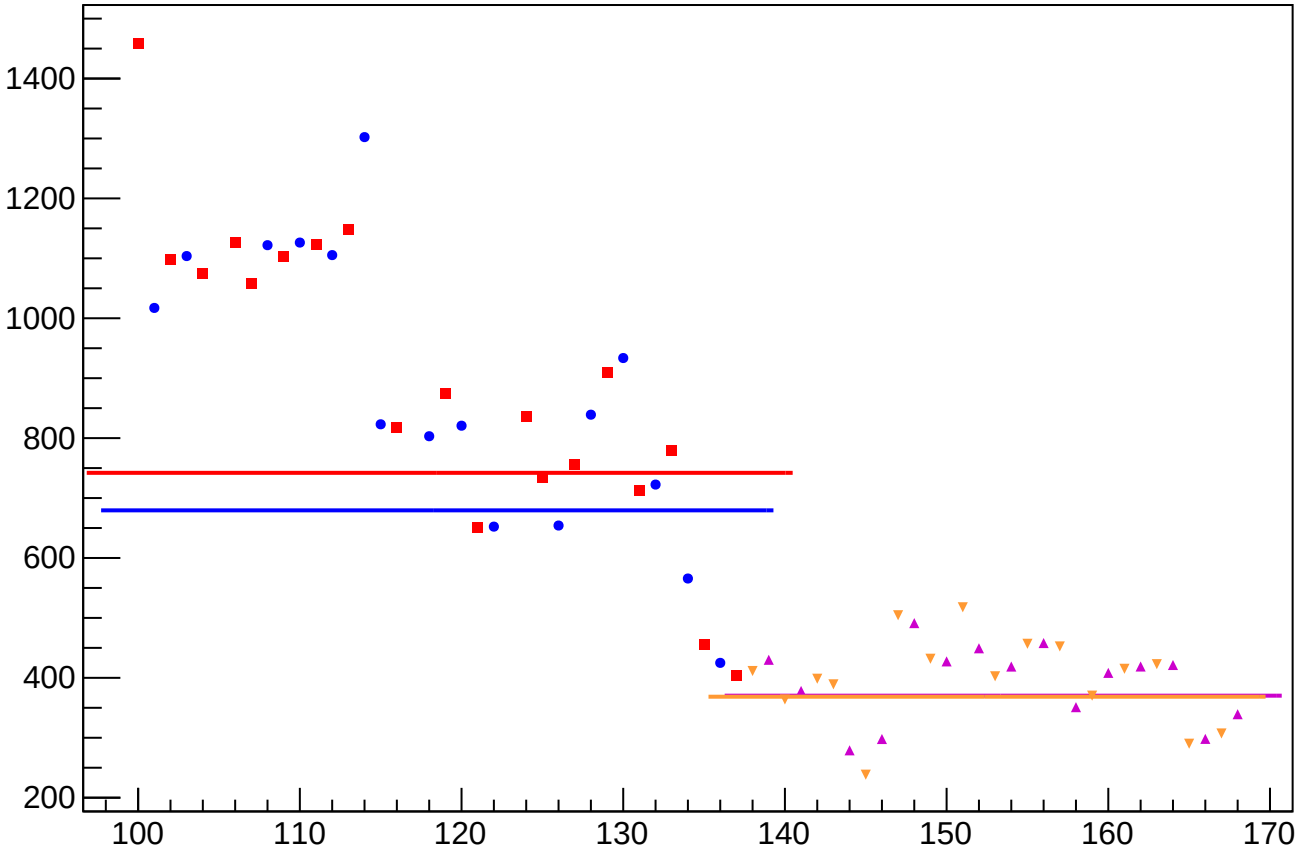
Left In: 137.274+/-107.283 χ^2/NDF:20.7/14

+ sign -261.515+/-99.020 χ^2/NDF: 44.3/31

All: -79.280+/-70.516 χ^2/NDF: 87.3/65

- sign 108.230+/-100.443 χ^2/NDF: 36.1/33

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 368.512+/-0.075 χ^2/NDF:1121940.4/15

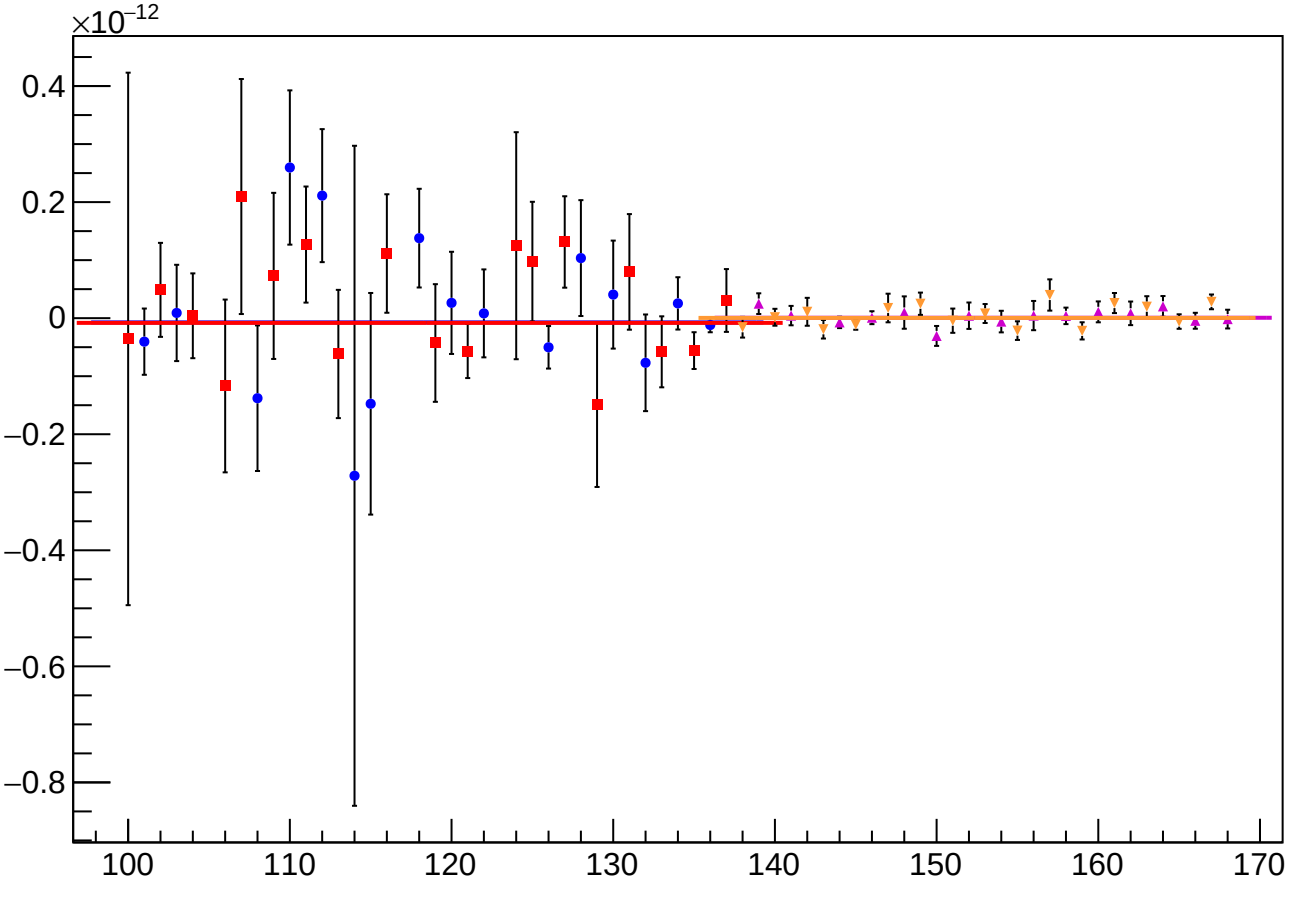
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 370.235+/-0.076 χ^2/NDF:727310.3/14

+ sign 410.819+/-0.070 χ^2/NDF: 5041232.1/31

All: 413.440+/-0.050 χ^2/NDF: 10241714.8/65

- sign 416.137+/-0.071 χ^2/NDF: 5197638.7/33



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

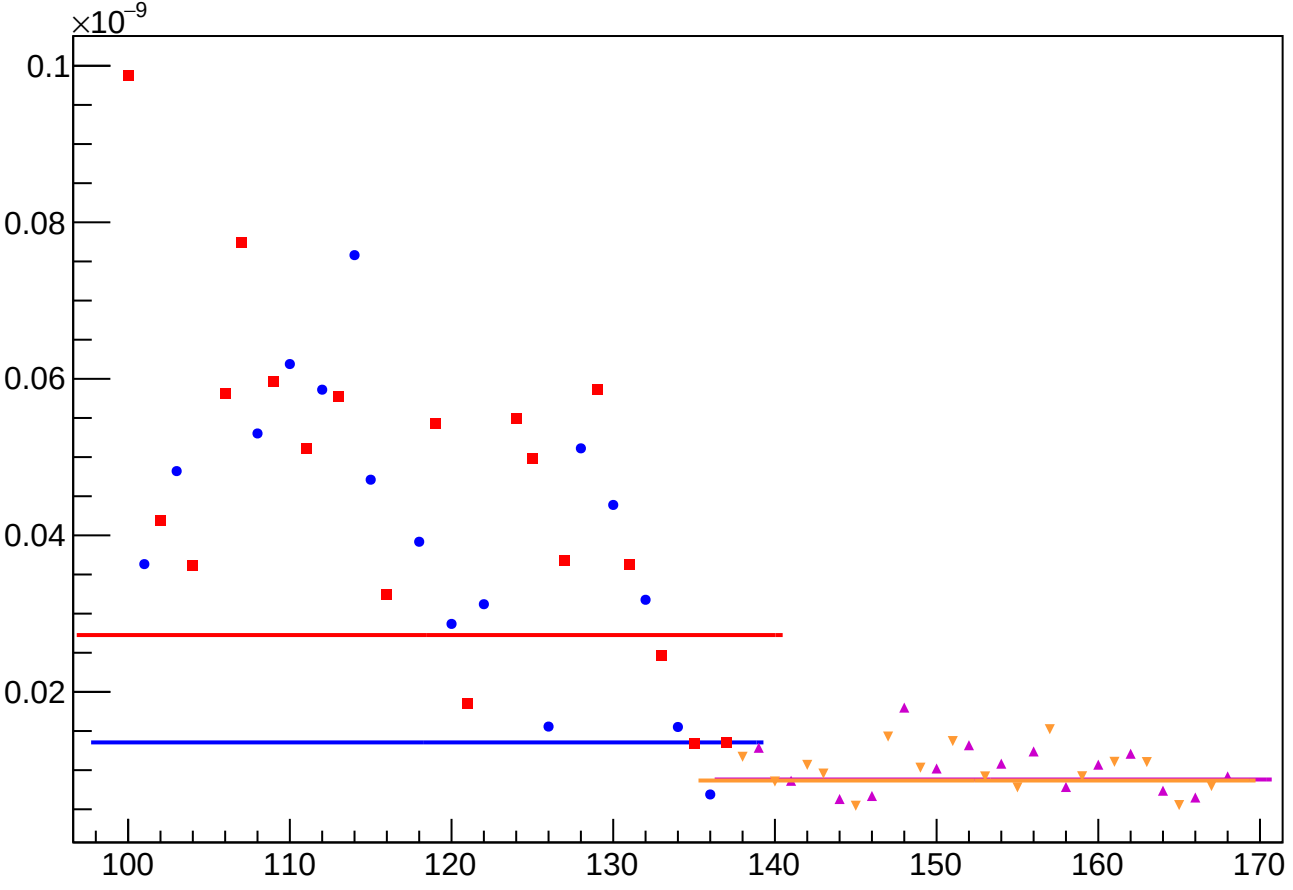
Left In: 0.000+/-0.000 χ^2/NDF:8.1/14

+ sign -0.000+/-0.000 χ^2/NDF: 38.9/31

All: -0.000+/-0.000 χ^2/NDF: 64.2/65

- sign 0.000+/-0.000 χ^2/NDF: 25.3/33

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:914263.6/15

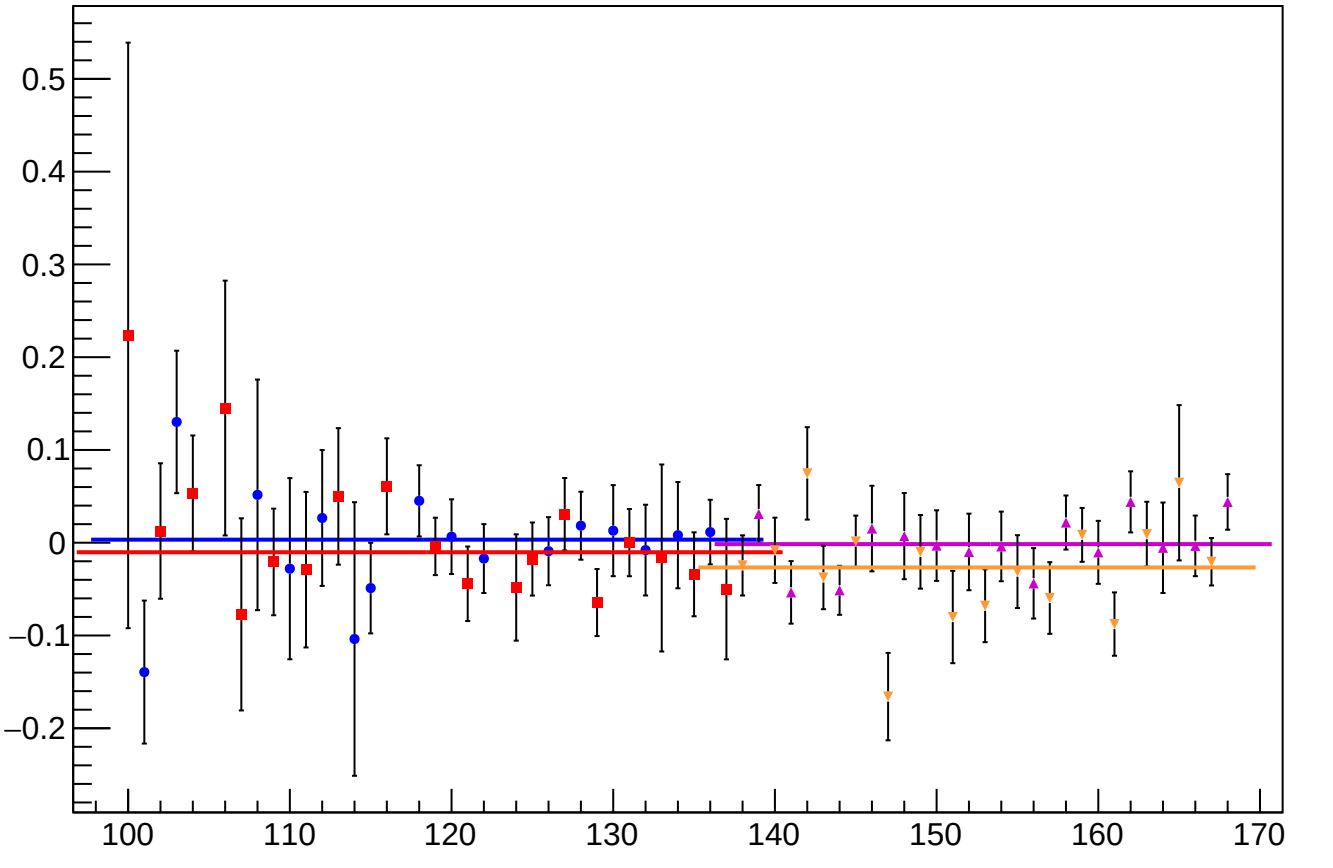
Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:825966.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 4340016.0/31

All: 0.000+/-0.000 χ^2/NDF: 9070288.5/65

- sign 0.000+/-0.000 χ^2/NDF: 4711712.8/33



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.027+/-0.009 χ^2/NDF:24.4/15

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

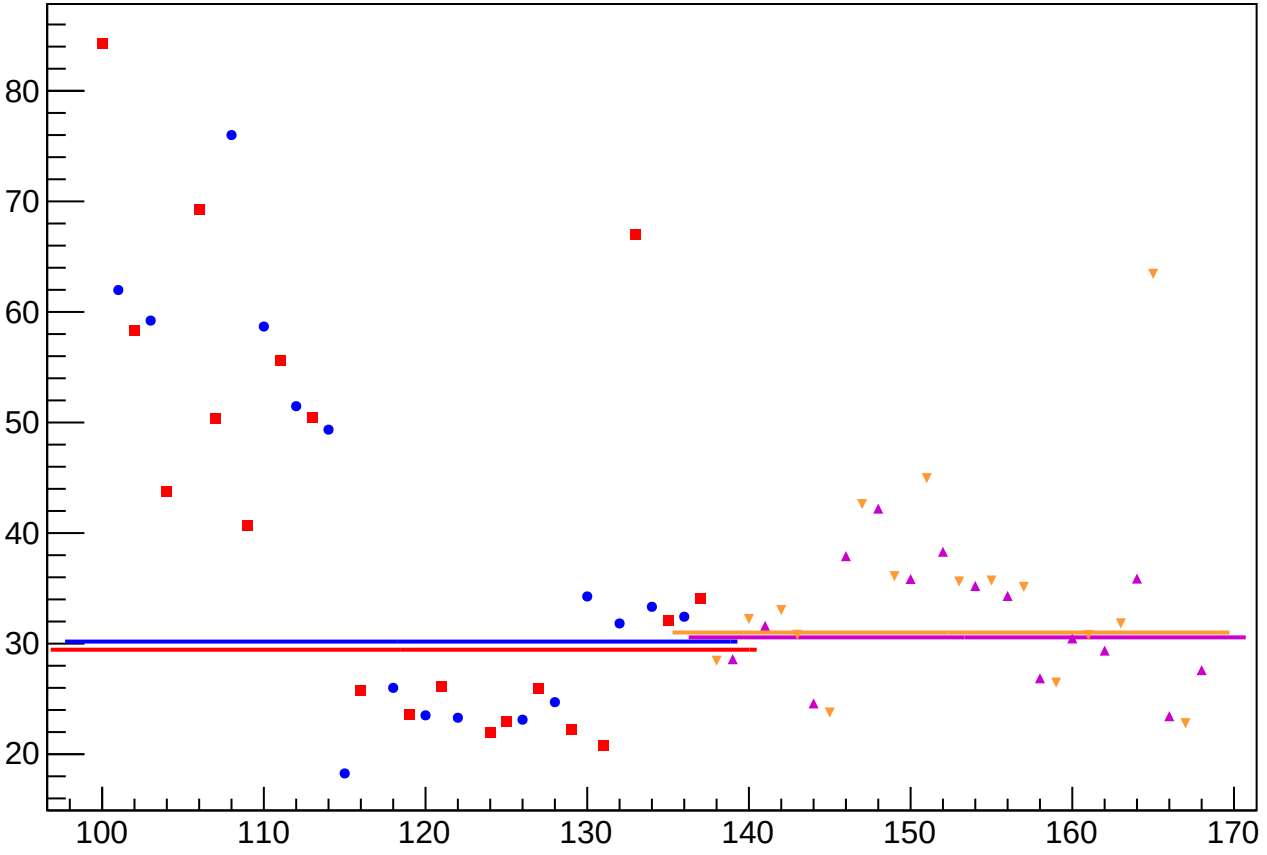
Left In: -0.001+/-0.009 χ^2/NDF:13.4/14

+ sign -0.016+/-0.007 χ^2/NDF: 38.4/31

All: -0.010+/-0.005 χ^2/NDF: 64.6/65

- sign -0.005+/-0.007 χ^2/NDF: 25.0/33

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.006+/-0.006 χ^2/NDF:1099291.6/15

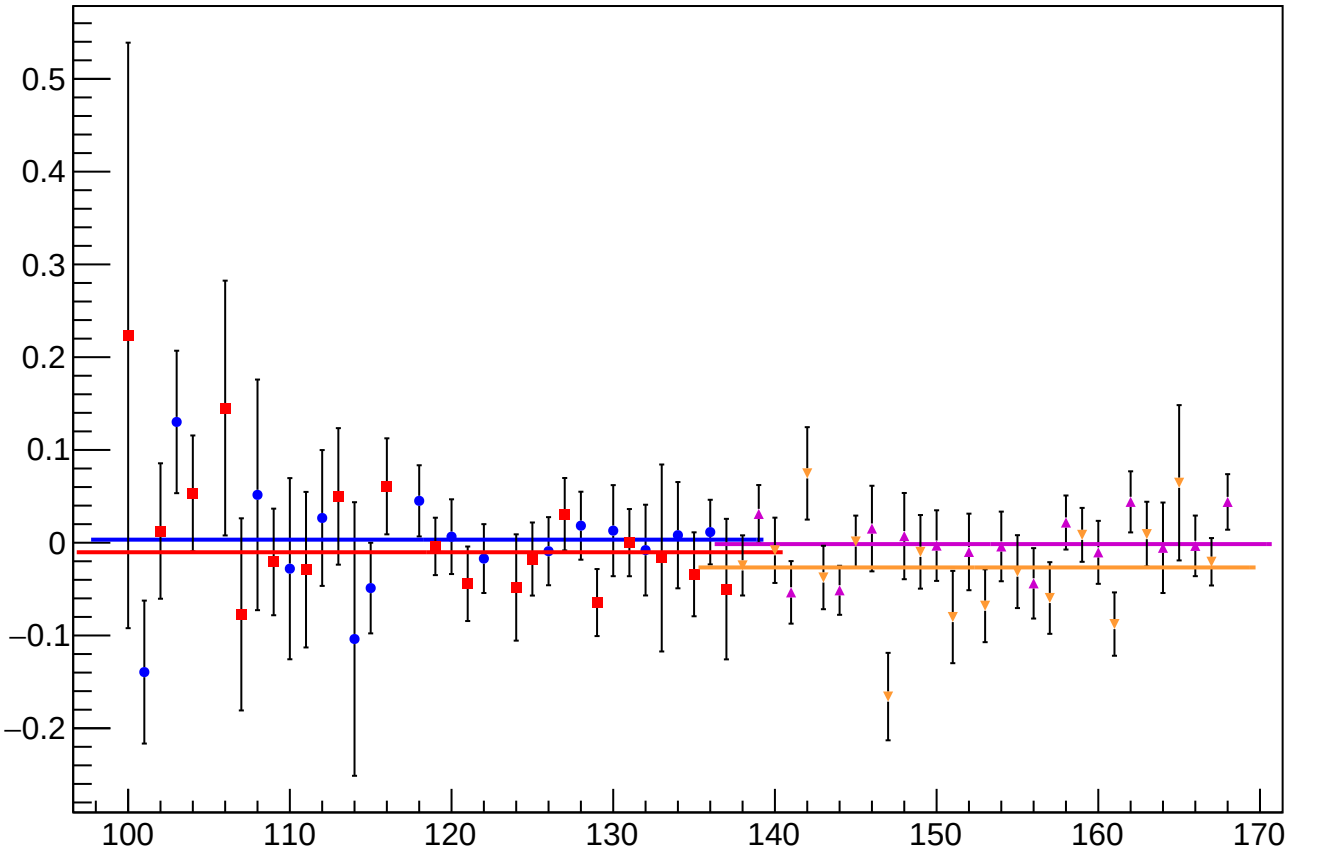
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 30.566+/-0.006 χ^2/NDF:621059.6/14

+ sign 30.719+/-0.005 χ^2/NDF: 2792453.5/31

All: 30.434+/-0.004 χ^2/NDF: 5279489.9/65

- sign 30.158+/-0.005 χ^2/NDF: 2480975.3/33



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.027+/-0.009 χ^2/NDF:24.4/15

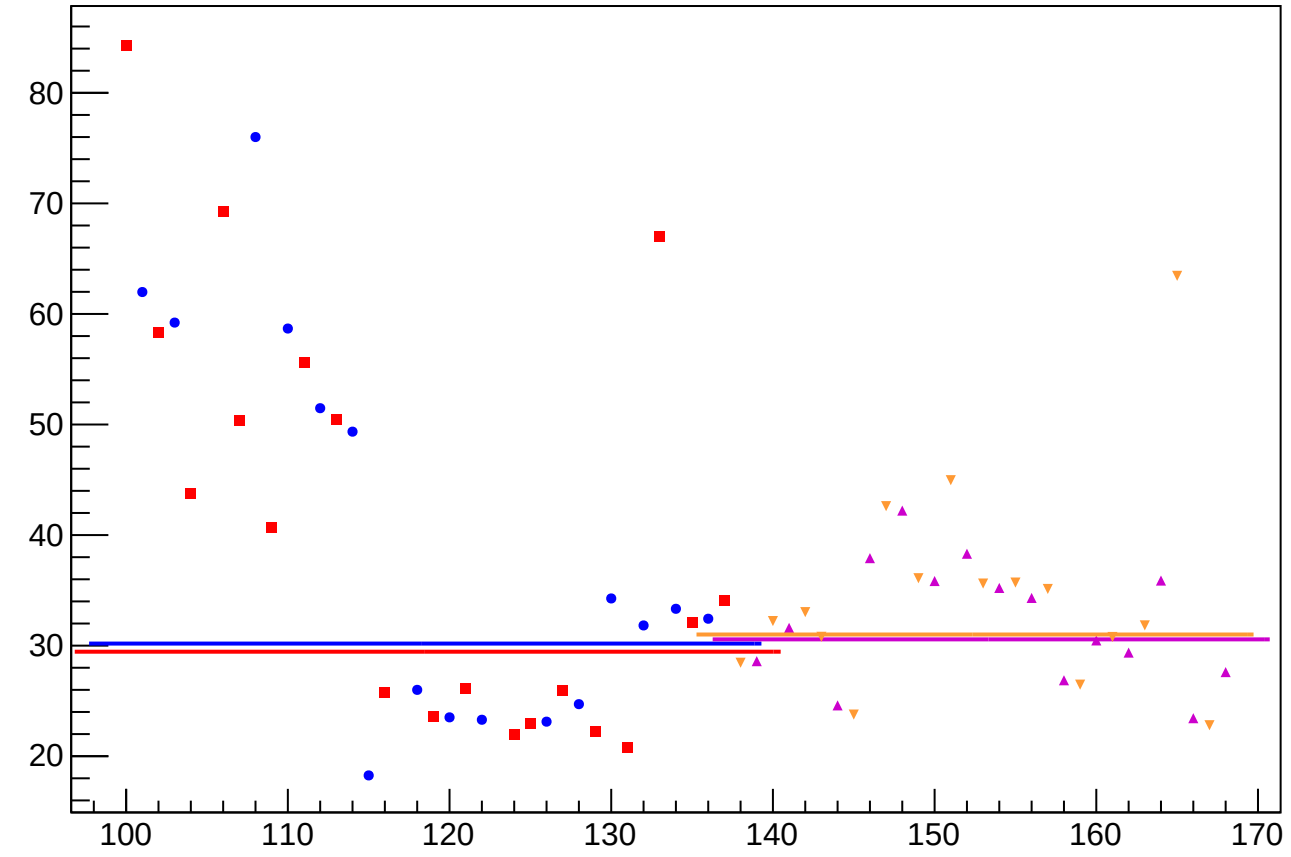
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.009 χ^2/NDF:13.4/14

+ sign -0.016+/-0.007 χ^2/NDF: 38.4/31

All: -0.010+/-0.005 χ^2/NDF: 64.6/65

- sign -0.005+/-0.007 χ^2/NDF: 25.0/33



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.006+/-0.006 χ^2/NDF:1099291.6/15

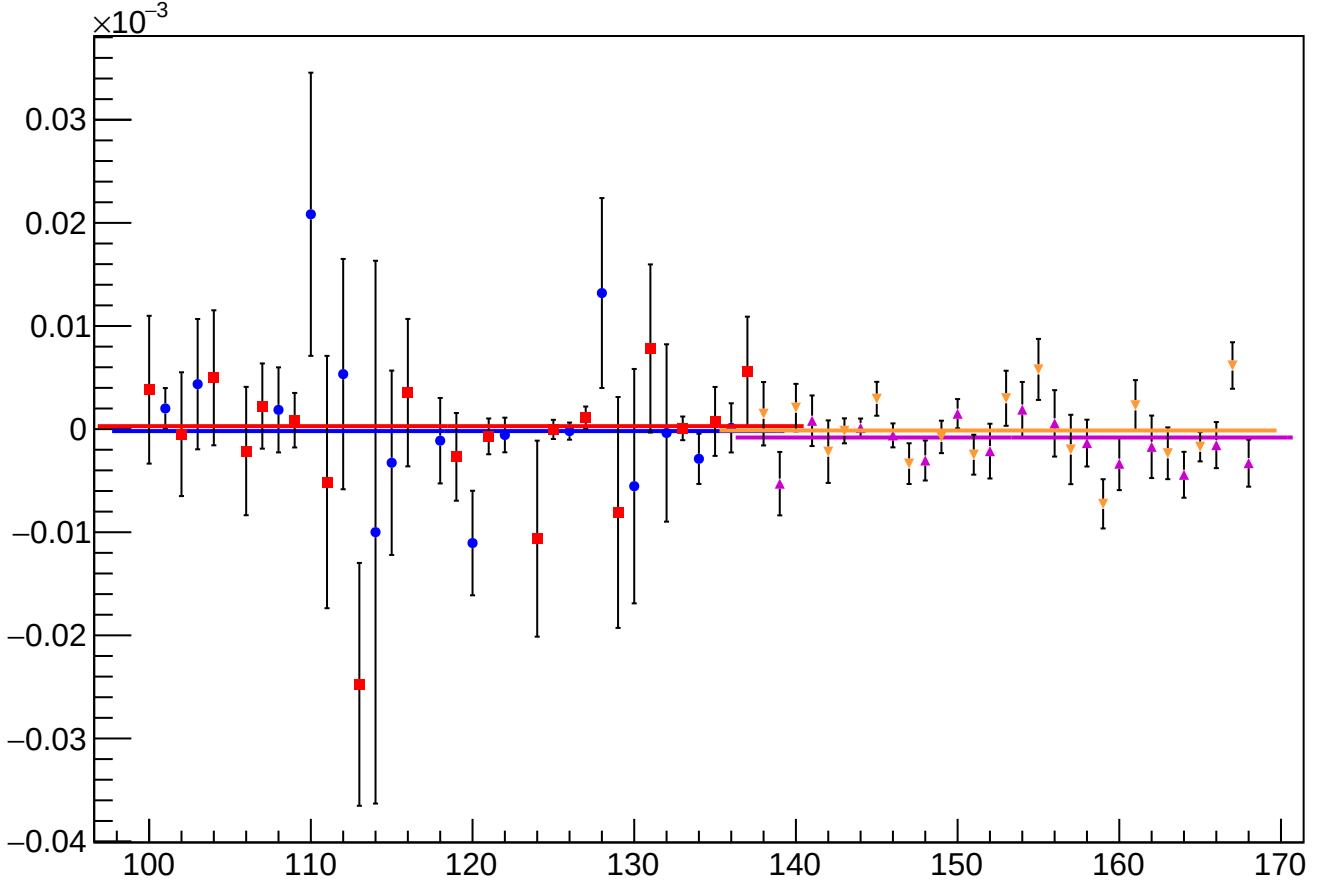
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 30.566+/-0.006 χ^2/NDF:621059.6/14

+ sign 30.719+/-0.005 χ^2/NDF: 2792453.5/31

All: 30.434+/-0.004 χ^2/NDF: 5279489.9/65

- sign 30.158+/-0.005 χ^2/NDF: 2480975.3/33



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/15

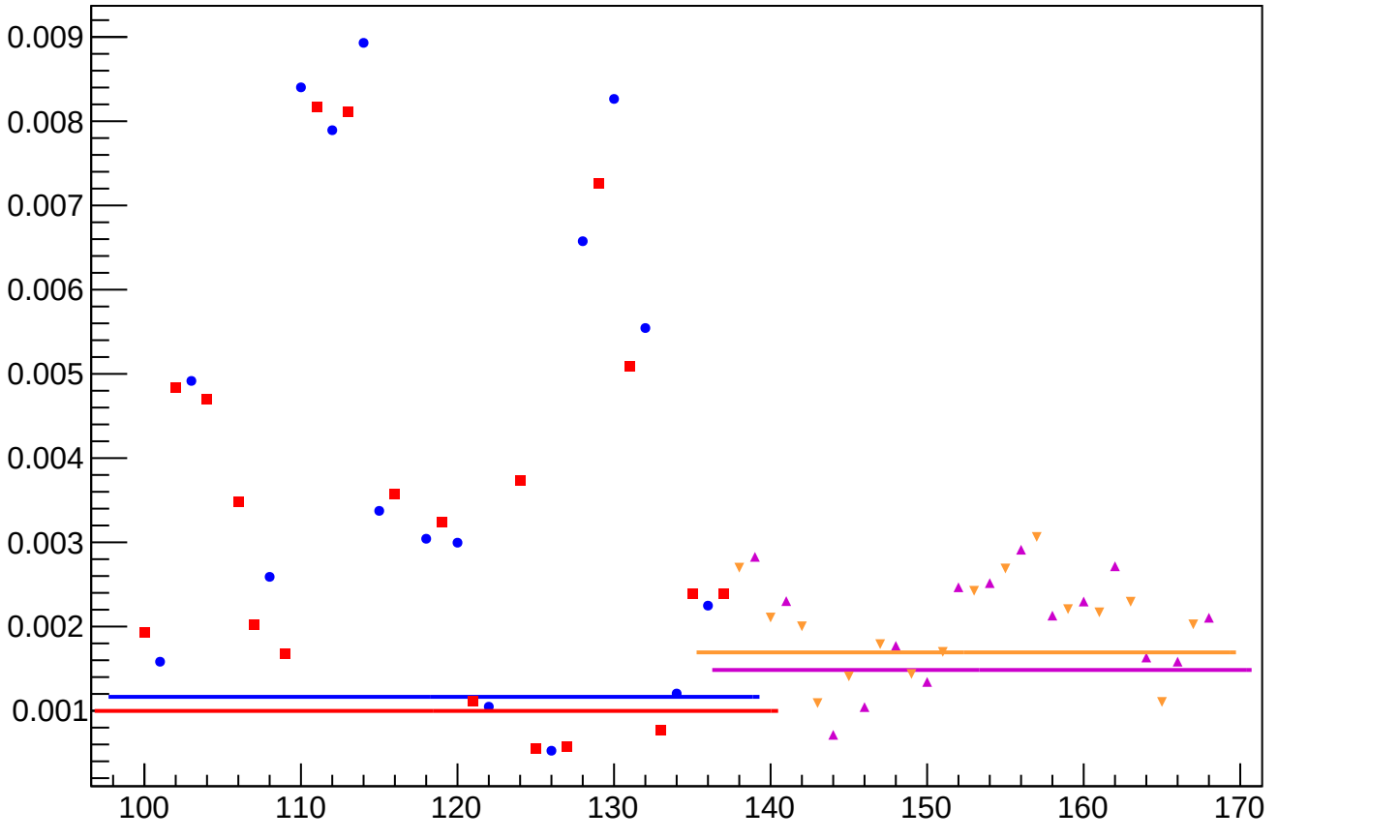
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:14.1/14

+ sign -0.000+/-0.000 χ^2/NDF: 47.9/31

All: -0.000+/-0.000 χ^2/NDF: 75.9/65

- sign -0.000+/-0.000 χ^2/NDF: 27.9/33



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2290046.6/15

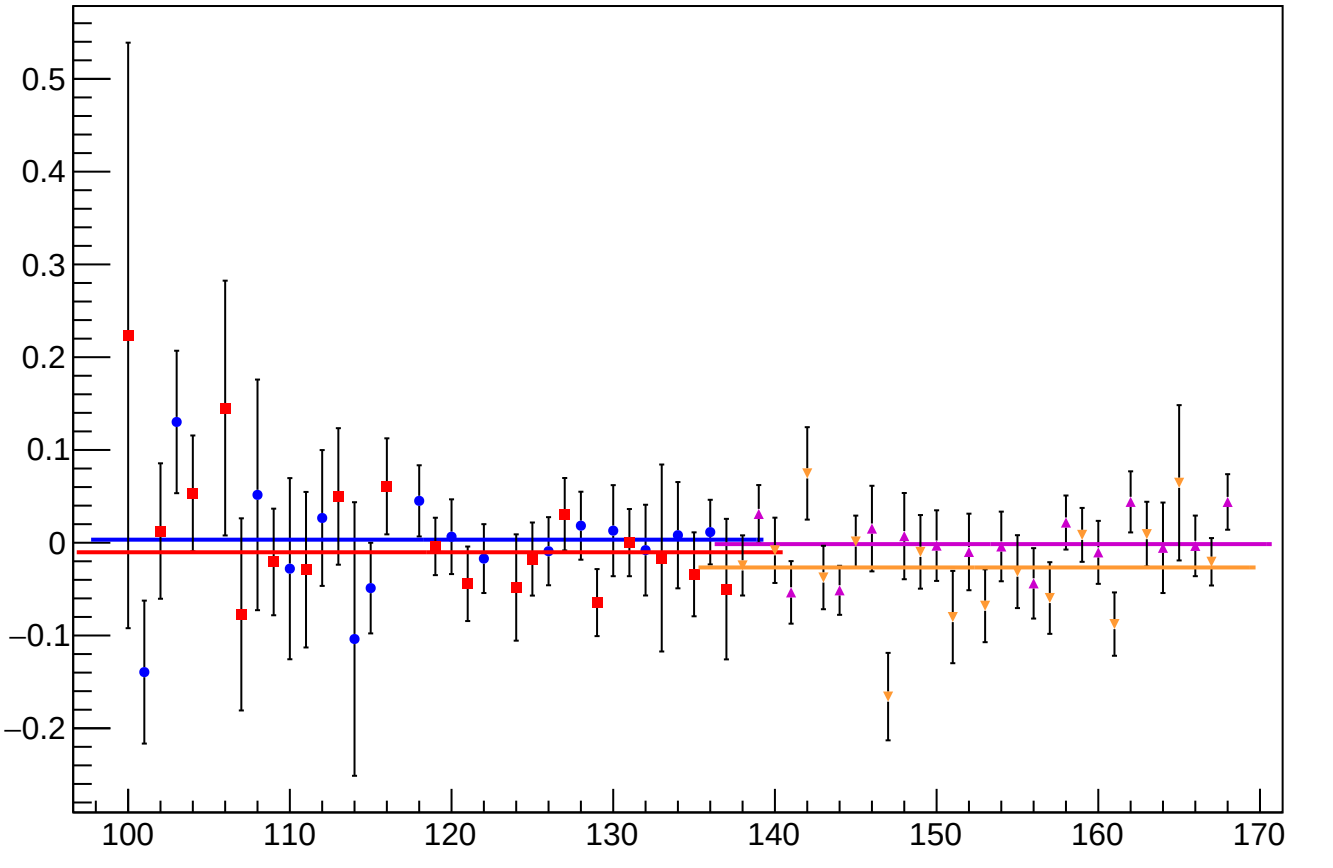
Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4200789.2/14

+ sign 0.001+/-0.000 χ^2/NDF: 10053220.8/31

All: 0.001+/-0.000 χ^2/NDF: 22476738.6/65

- sign 0.001+/-0.000 χ^2/NDF: 12083543.1/33



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.027+/-0.009 χ^2/NDF:24.4/15

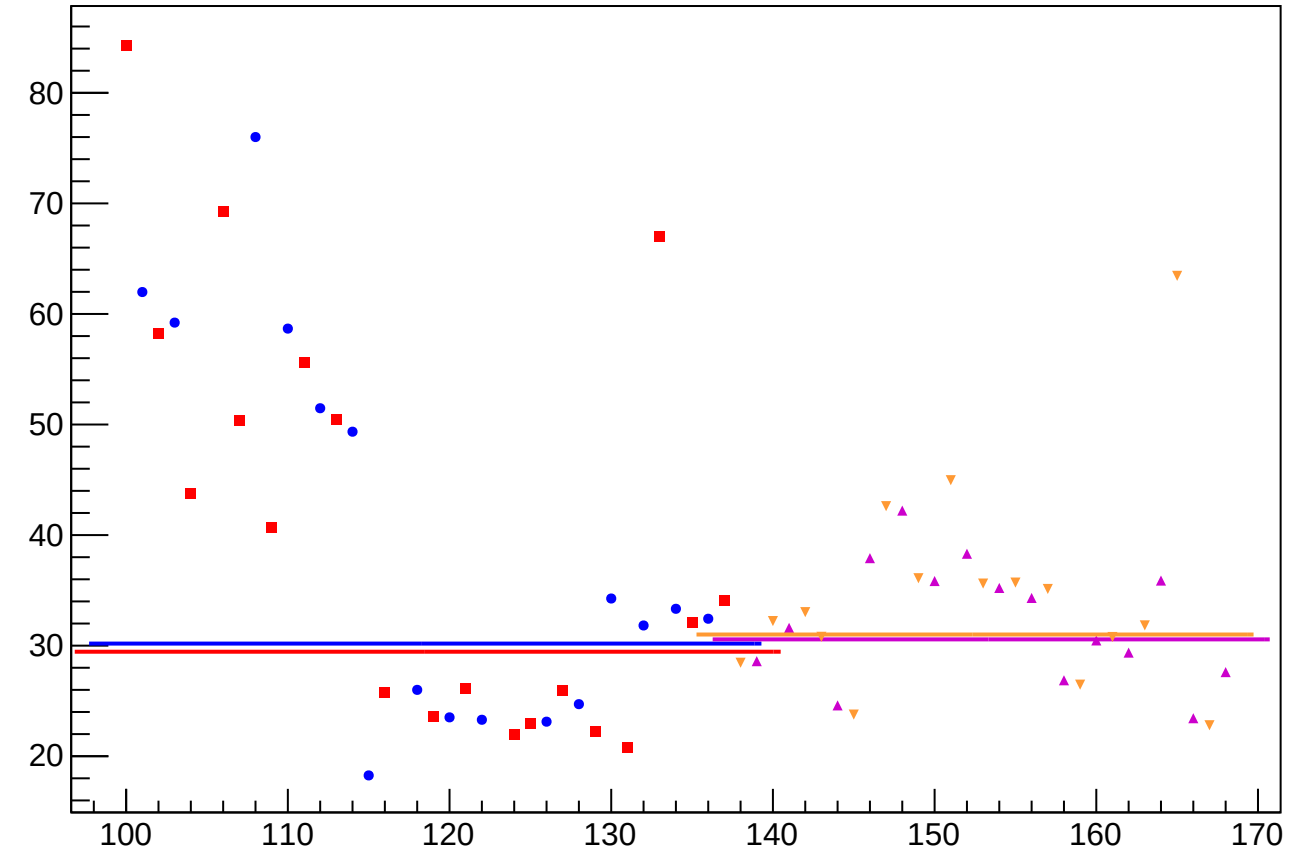
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.009 χ^2/NDF:13.4/14

+ sign -0.016+/-0.007 χ^2/NDF: 38.4/31

All: -0.010+/-0.005 χ^2/NDF: 64.6/65

- sign -0.005+/-0.007 χ^2/NDF: 25.0/33



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.007+/-0.006 χ^2/NDF:1099317.9/15

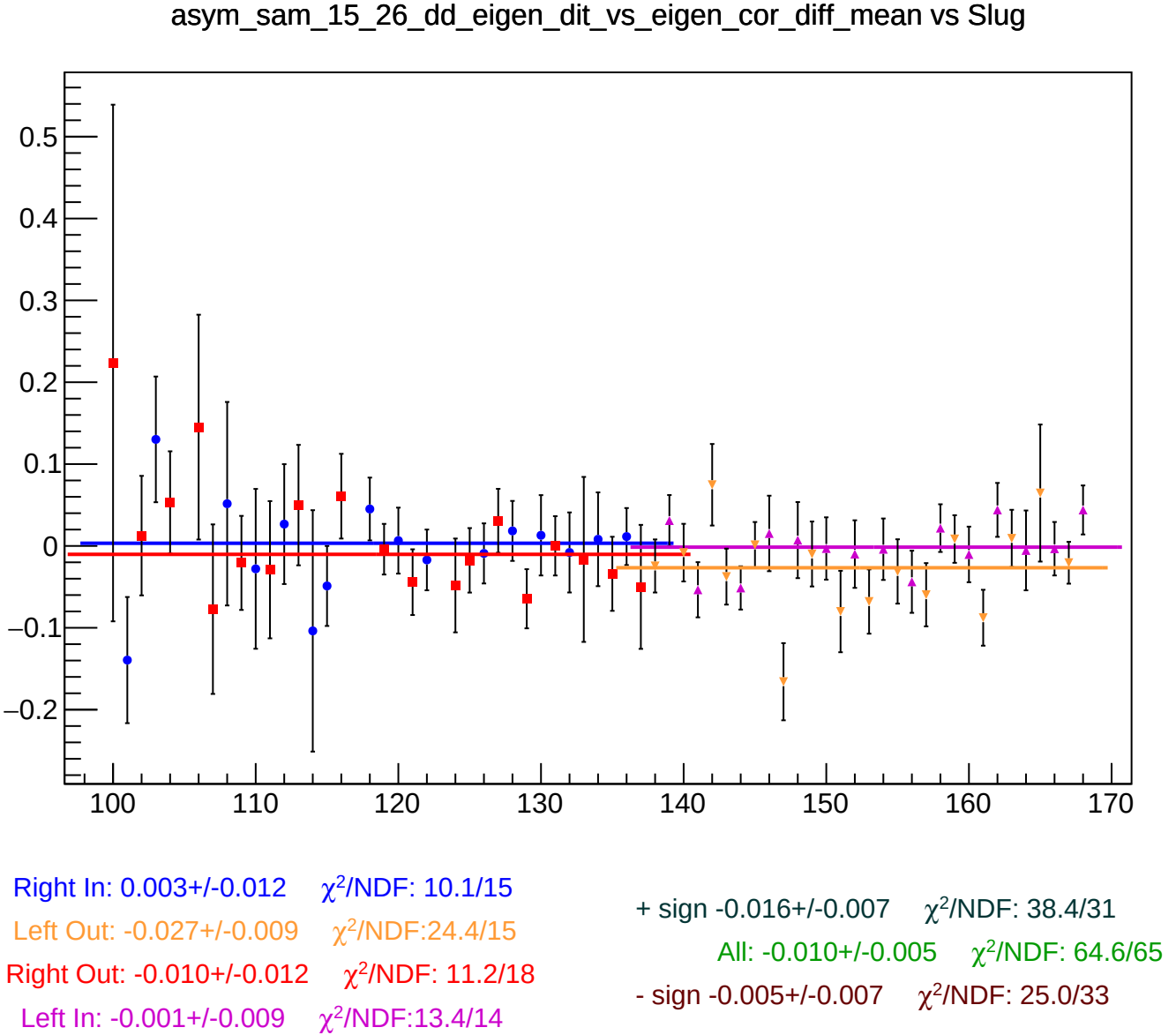
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

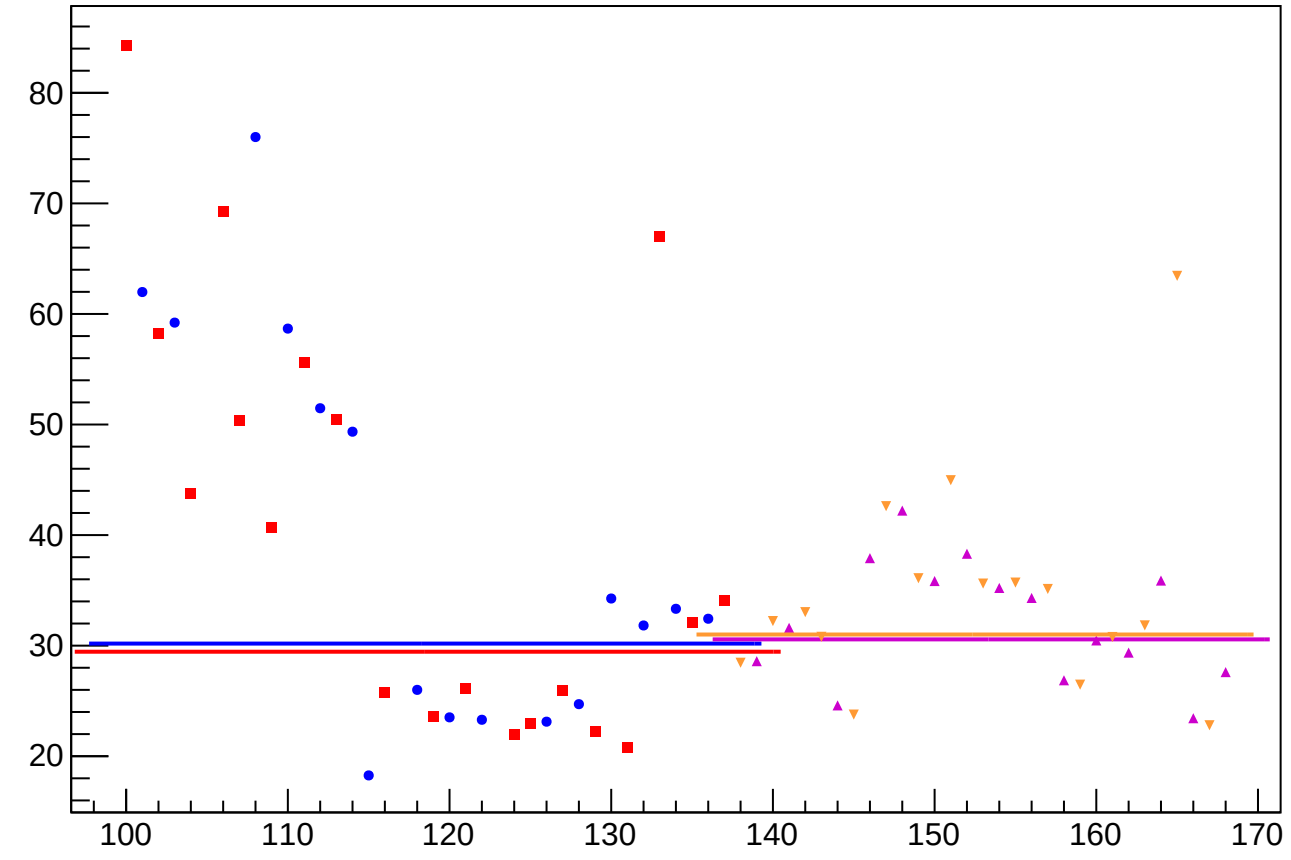
Left In: 30.566+/-0.006 χ^2/NDF:621085.3/14

+ sign 30.719+/-0.005 χ^2/NDF: 2792294.6/31

All: 30.434+/-0.004 χ^2/NDF: 5279371.1/65

- sign 30.158+/-0.005 χ^2/NDF: 2481010.8/33


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: -0.027+/-0.009 χ²/NDF:24.4/15
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.001+/-0.009 χ²/NDF:13.4/14
+ sign -0.016+/-0.007 χ²/NDF: 38.4/31
All: -0.010+/-0.005 χ²/NDF: 64.6/65
- sign -0.005+/-0.007 χ²/NDF: 25.0/33



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.007+/-0.006 χ^2/NDF:1099317.9/15

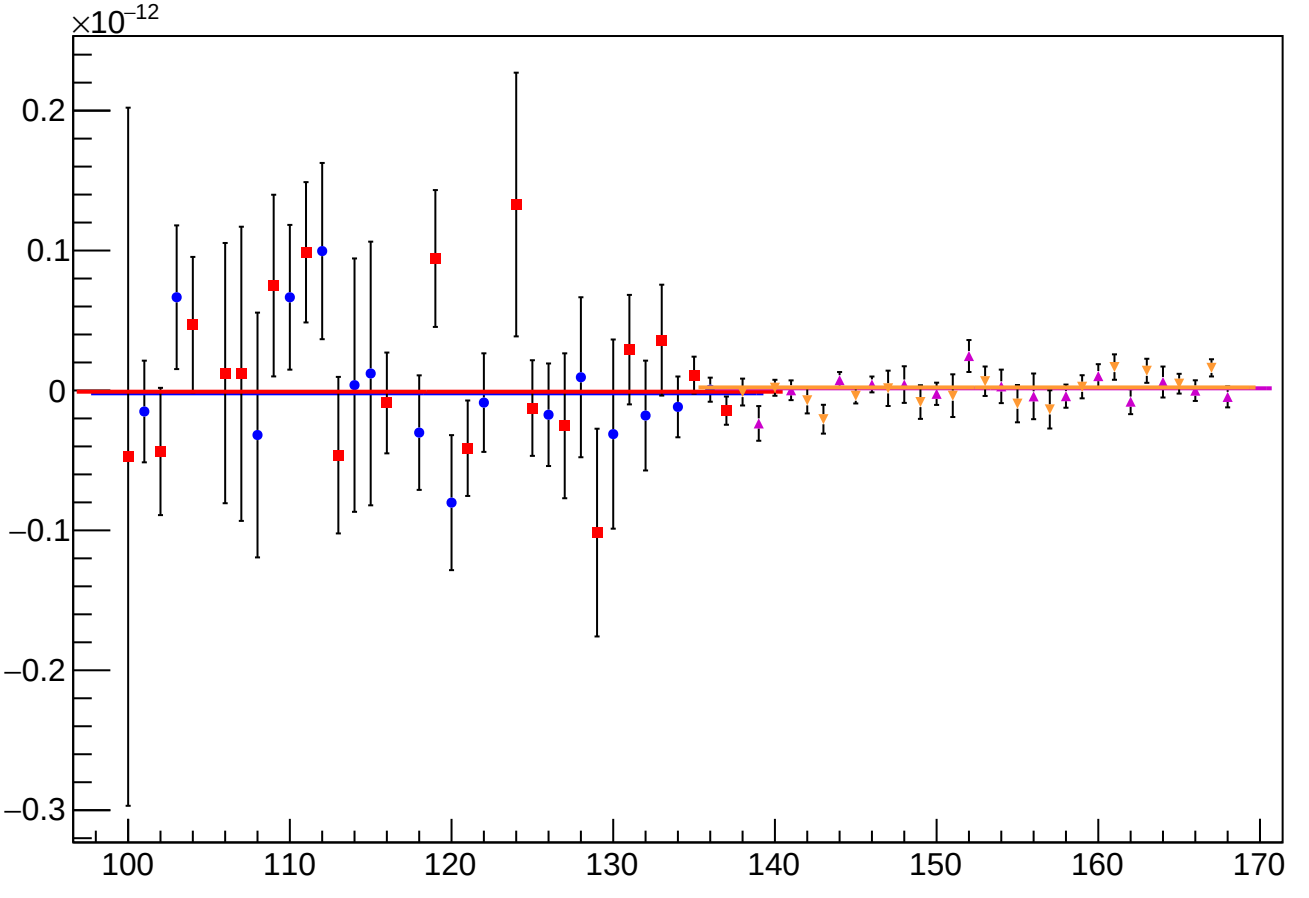
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 30.566+/-0.006 χ^2/NDF:621085.3/14

+ sign 30.719+/-0.005 χ^2/NDF: 2792294.6/31

All: 30.434+/-0.004 χ^2/NDF: 5279371.1/65

- sign 30.158+/-0.005 χ^2/NDF: 2481010.8/33



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.1/15

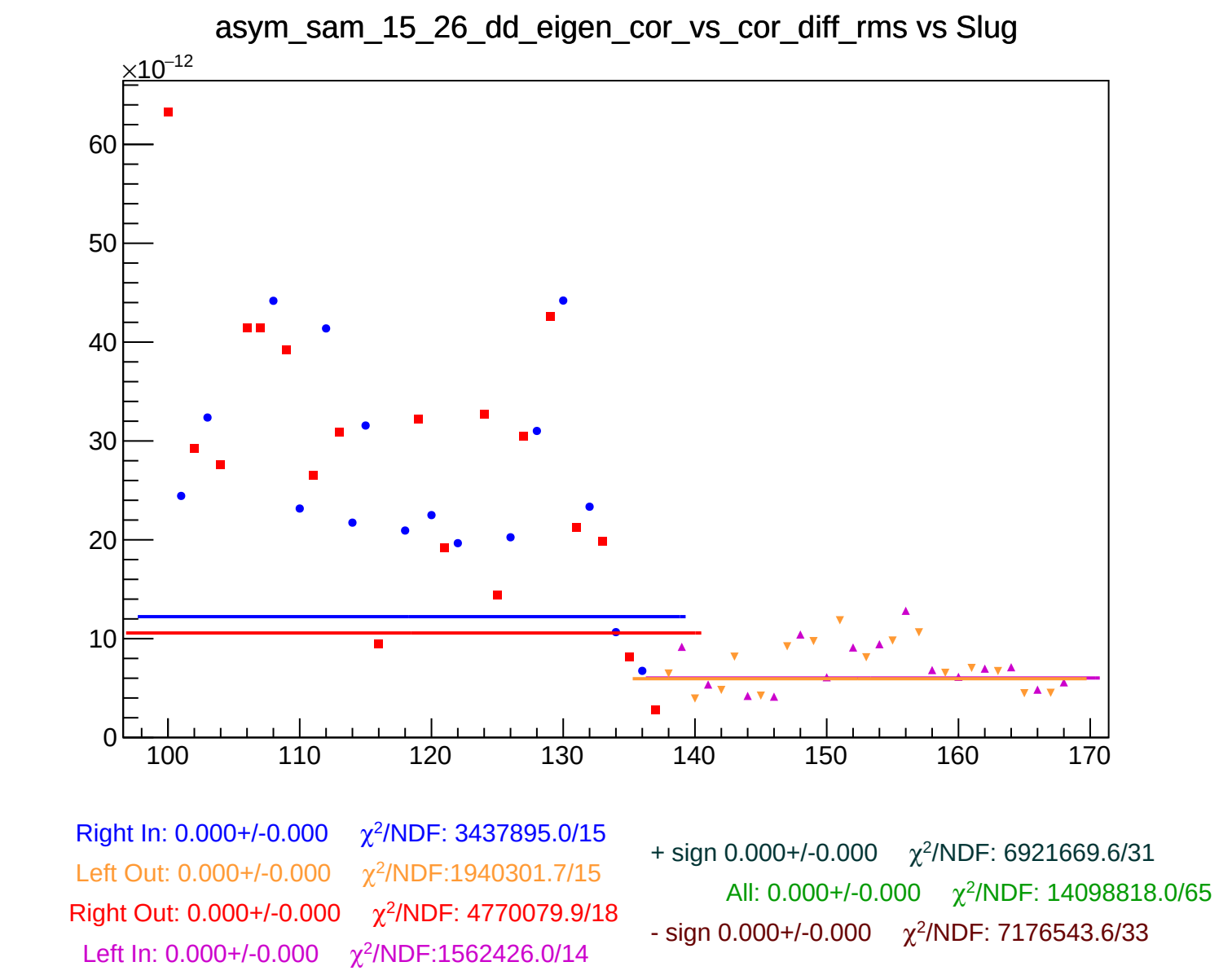
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/14

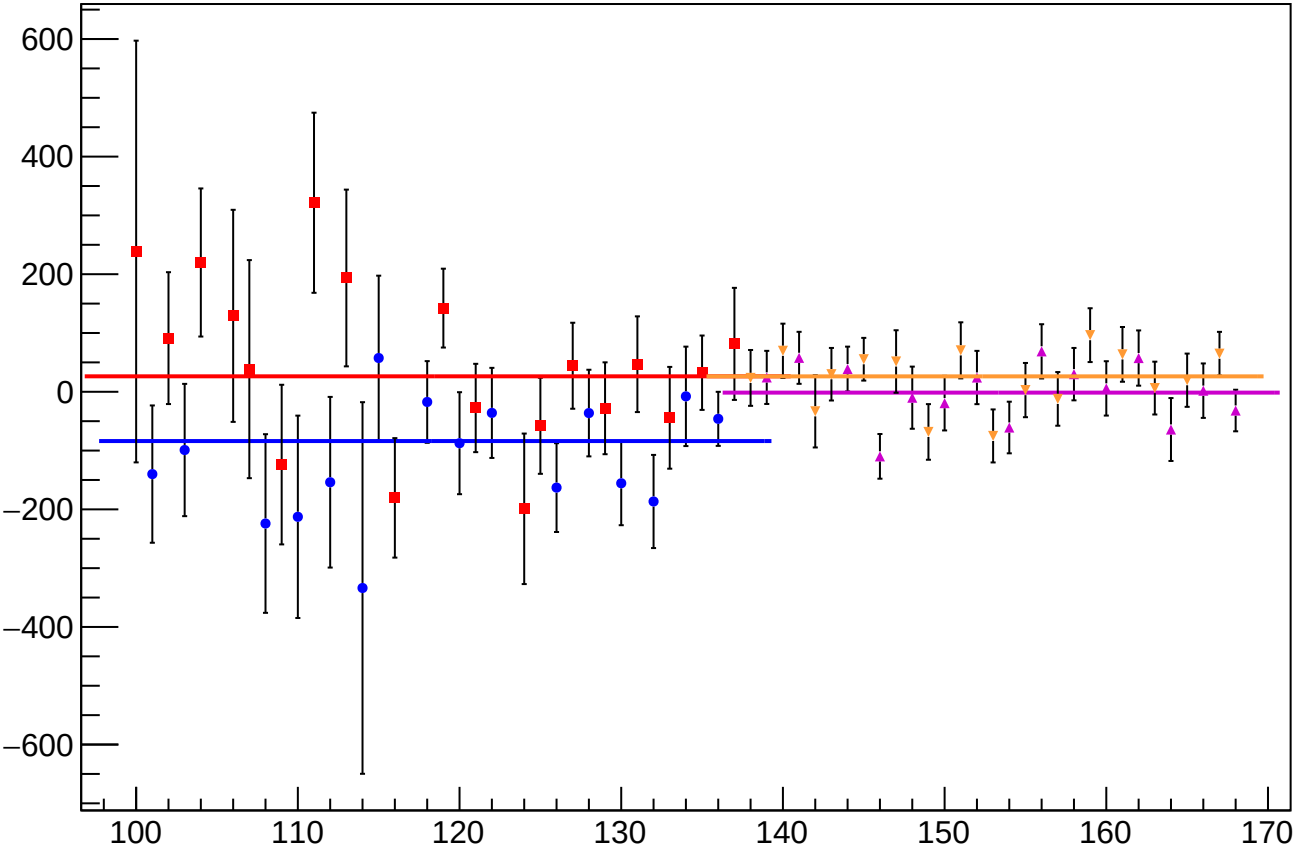
+ sign 0.000+/-0.000 χ^2/NDF: 30.8/31

All: 0.000+/-0.000 χ^2/NDF: 65.8/65

- sign 0.000+/-0.000 χ^2/NDF: 34.9/33


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1940301.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:1562426.0/14
+ sign 0.000+/-0.000 χ²/NDF: 6921669.6/31
All: 0.000+/-0.000 χ²/NDF: 14098818.0/65
- sign 0.000+/-0.000 χ²/NDF: 7176543.6/33

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 26.224+/-11.349 χ^2/NDF:17.9/15

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

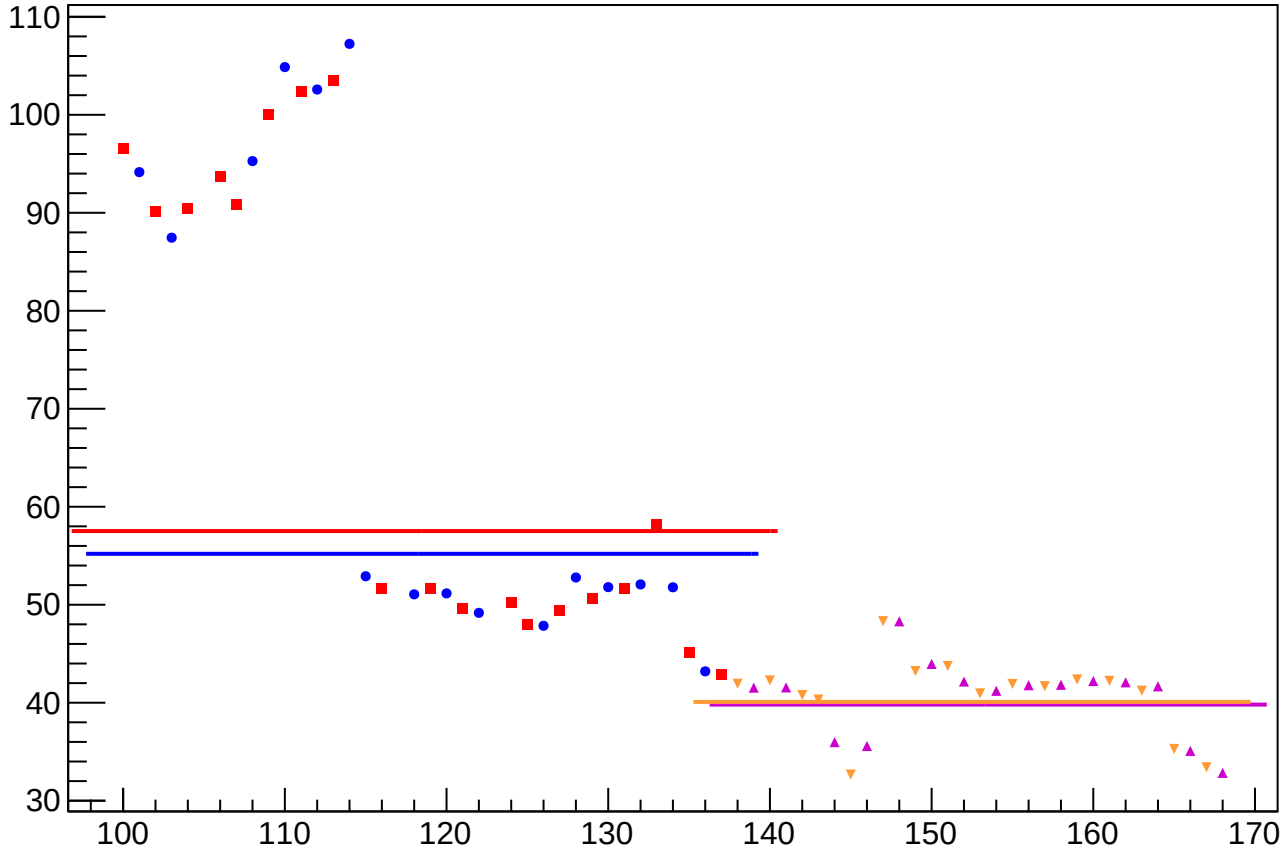
Left In: -1.431+/-11.382 χ^2/NDF:20.2/14

+ sign 2.132+/-10.030 χ^2/NDF: 49.0/31

All: 3.255+/-7.122 χ^2/NDF: 93.4/65

- sign 4.397+/-10.116 χ^2/NDF: 44.4/33

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 40.084+/-0.008 χ^2/NDF:263965.1/15

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

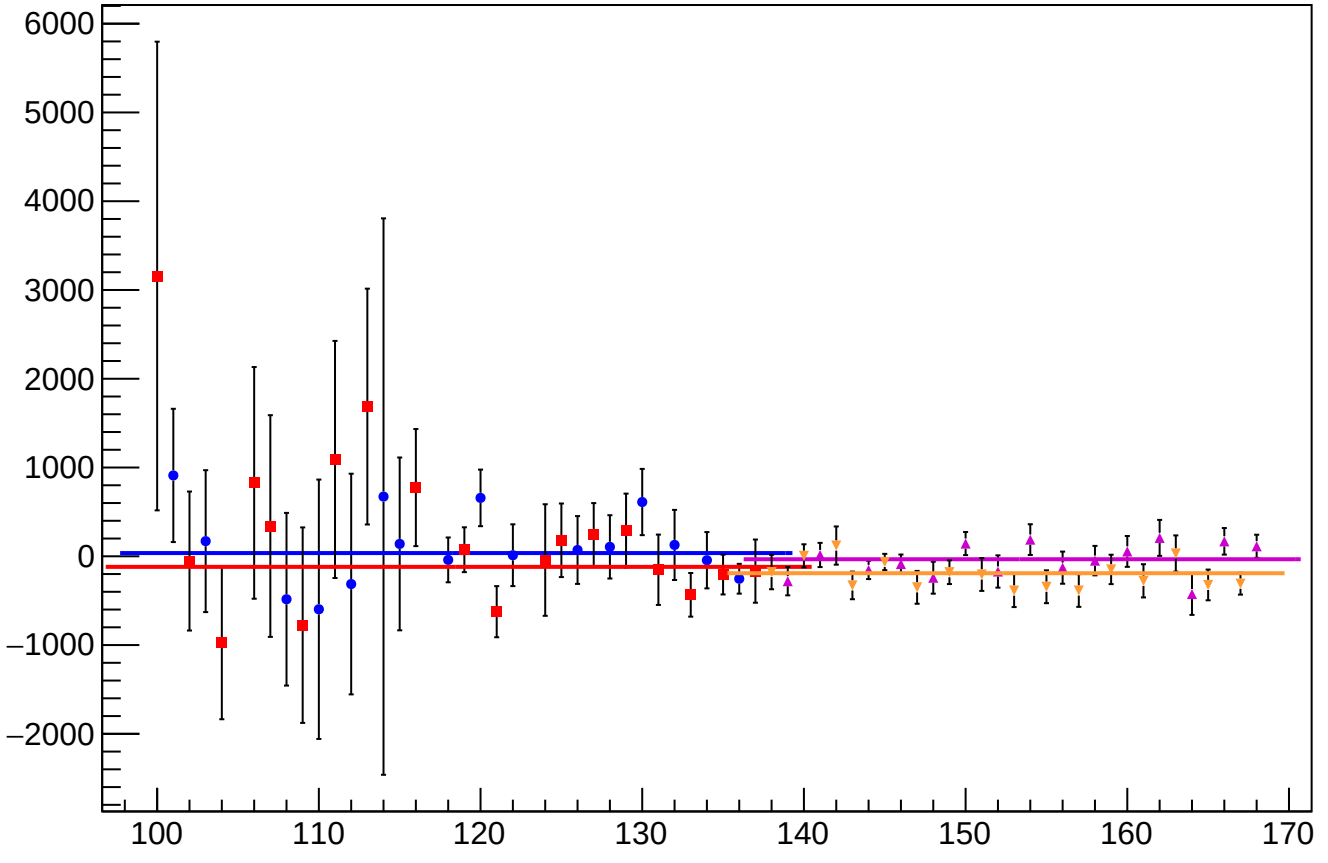
Left In: 39.809+/-0.008 χ^2/NDF:244875.2/14

+ sign 43.393+/-0.007 χ^2/NDF: 2193205.9/31

All: 43.461+/-0.005 χ^2/NDF: 4737540.0/65

- sign 43.531+/-0.007 χ^2/NDF: 2544147.1/33

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -190.621+/-38.991 χ^2/NDF:13.7/15

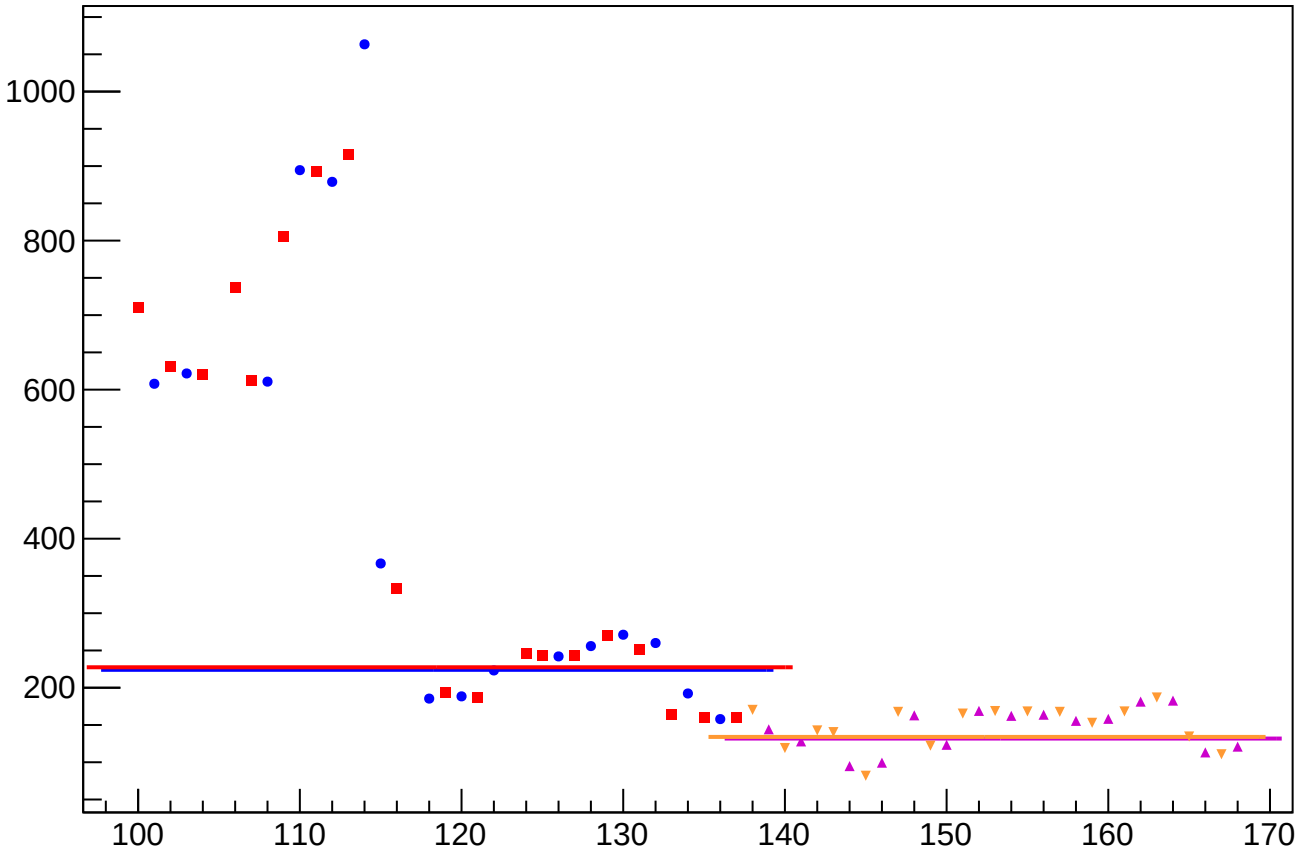
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -33.271+/-38.540 χ^2/NDF:17.3/14

+ sign -157.040+/-35.990 χ^2/NDF: 30.1/31

All: -100.770+/-25.366 χ^2/NDF: 69.0/65

- sign -45.229+/-35.757 χ^2/NDF: 34.0/33



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 133.989+/-0.028 χ^2/NDF:1392727.2/15

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

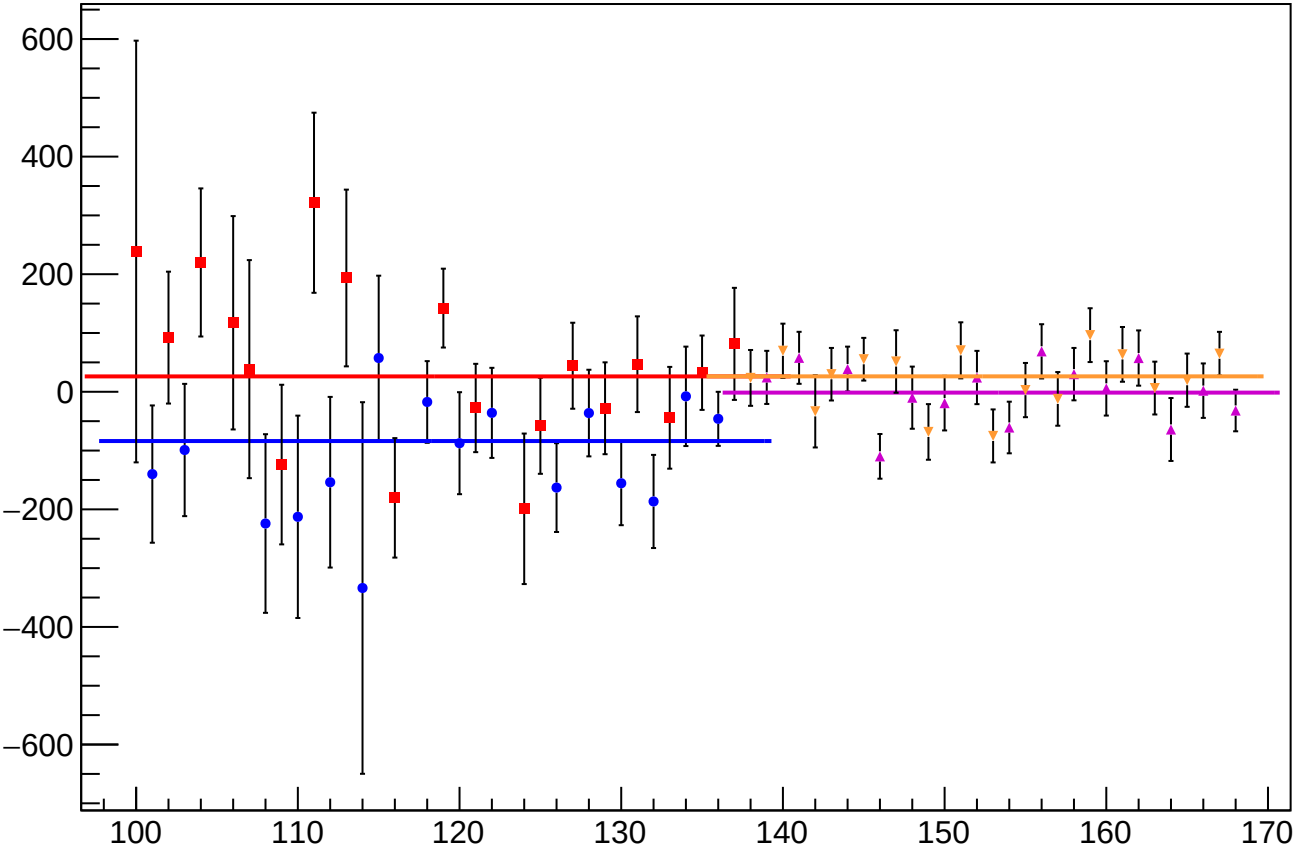
Left In: 131.792+/-0.027 χ^2/NDF:1073782.1/14

+ sign 147.314+/-0.025 χ^2/NDF: 5939390.4/31

All: 146.204+/-0.018 χ^2/NDF: 12372898.7/65

- sign 145.109+/-0.025 χ^2/NDF: 6429730.4/33

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 26.226+/-11.349 χ^2/NDF:17.9/15

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

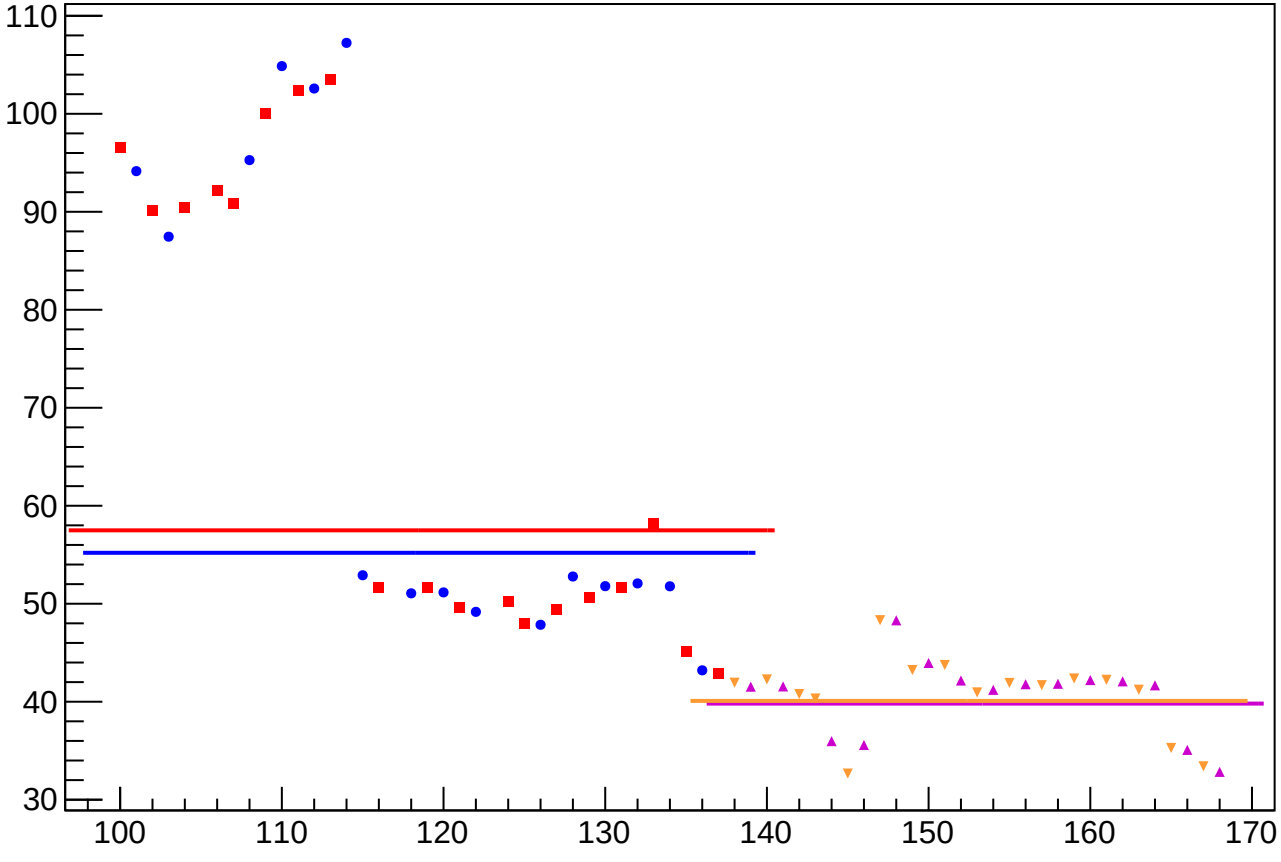
Left In: -1.431+/-11.382 χ^2/NDF:20.2/14

+ sign 2.134+/-10.030 χ^2/NDF: 49.0/31

All: 3.239+/-7.122 χ^2/NDF: 93.4/65

- sign 4.363+/-10.116 χ^2/NDF: 44.4/33

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.084+/-0.008 χ^2/NDF:263965.1/15

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

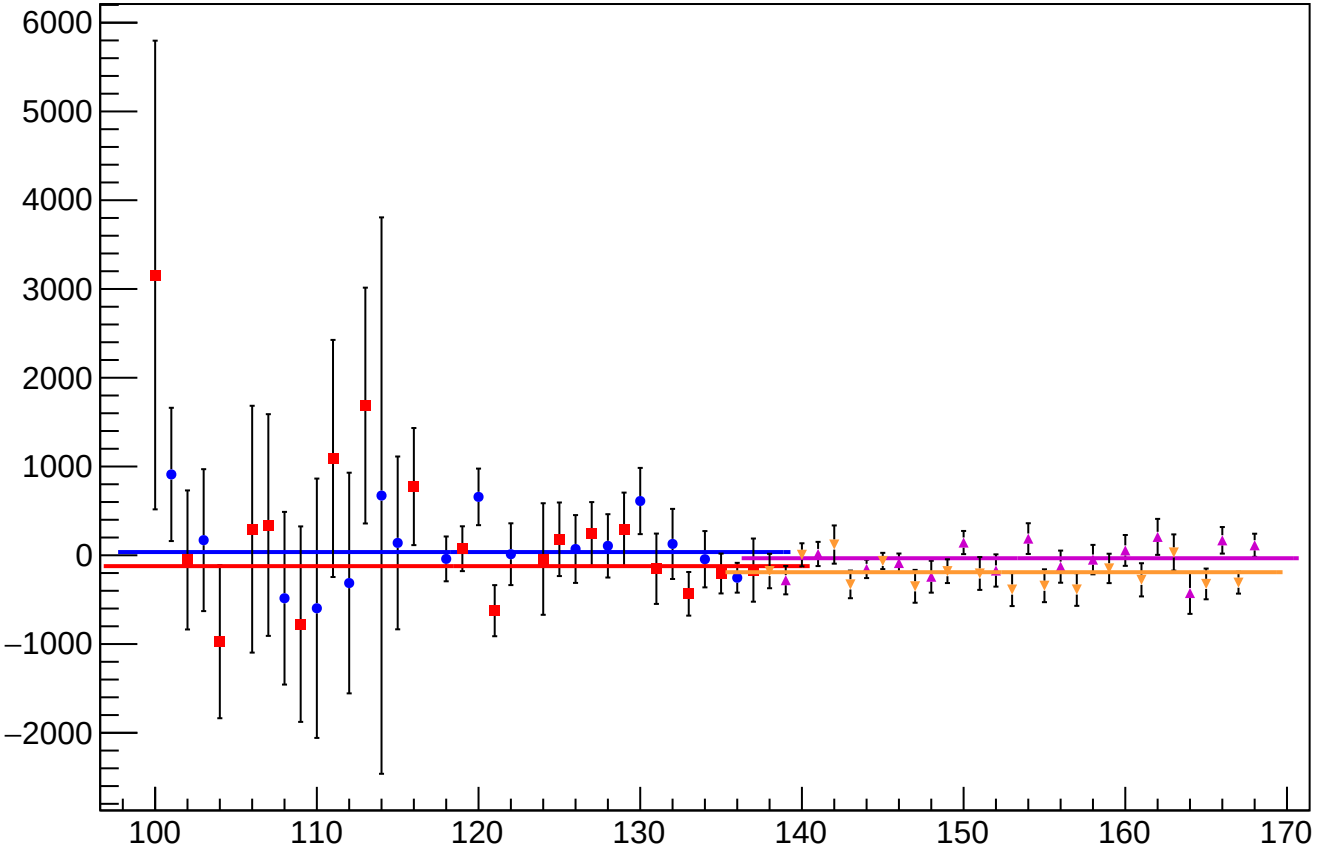
Left In: 39.809+/-0.008 χ^2/NDF:244875.2/14

+ sign 43.393+/-0.007 χ^2/NDF: 2193206.2/31

All: 43.458+/-0.005 χ^2/NDF: 4726648.1/65

- sign 43.524+/-0.007 χ^2/NDF: 2533272.6/33

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -190.622+/-38.991 χ^2/NDF:13.7/15

Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

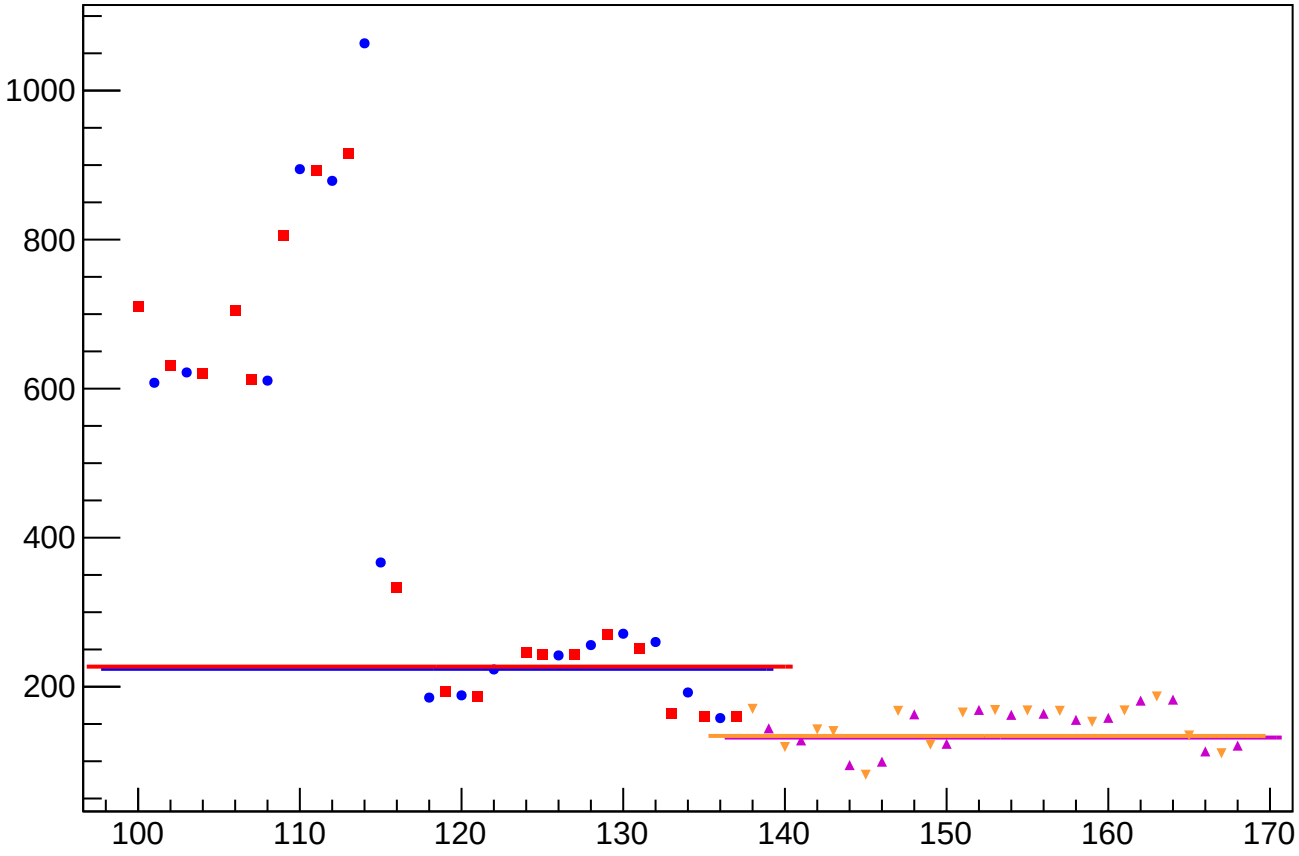
Left In: -33.272+/-38.540 χ^2/NDF:17.3/14

+ sign -157.041+/-35.990 χ^2/NDF: 30.1/31

All: -100.988+/-25.367 χ^2/NDF: 68.5/65

- sign -45.657+/-35.758 χ^2/NDF: 33.6/33

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 133.989+/-0.028 χ^2/NDF:1392730.3/15

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

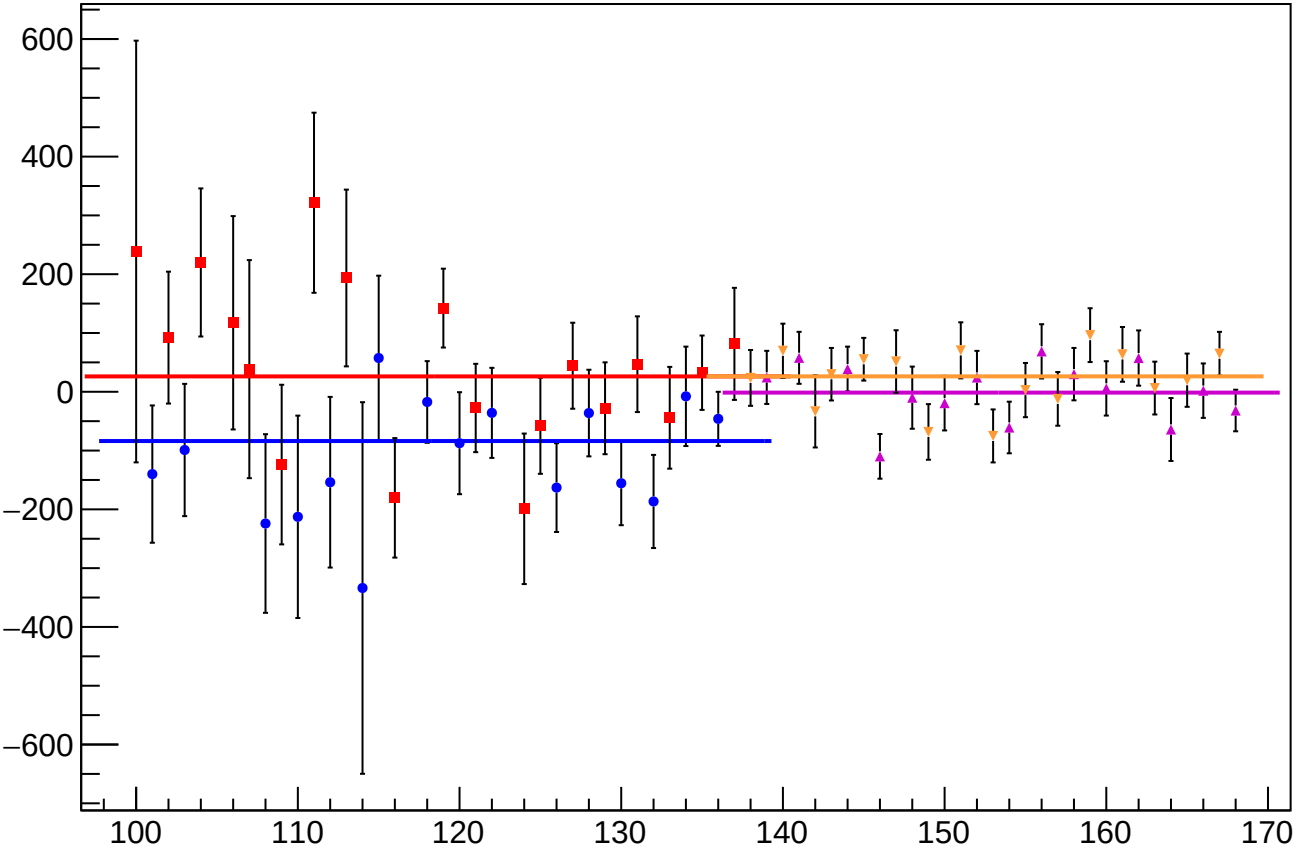
Left In: 131.792+/-0.027 χ^2/NDF:1073783.4/14

+ sign 147.314+/-0.025 χ^2/NDF: 5939401.2/31

All: 146.167+/-0.018 χ^2/NDF: 12286361.3/65

- sign 145.034+/-0.025 χ^2/NDF: 6342923.7/33

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 26.226+/-11.349 χ^2/NDF:17.9/15

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

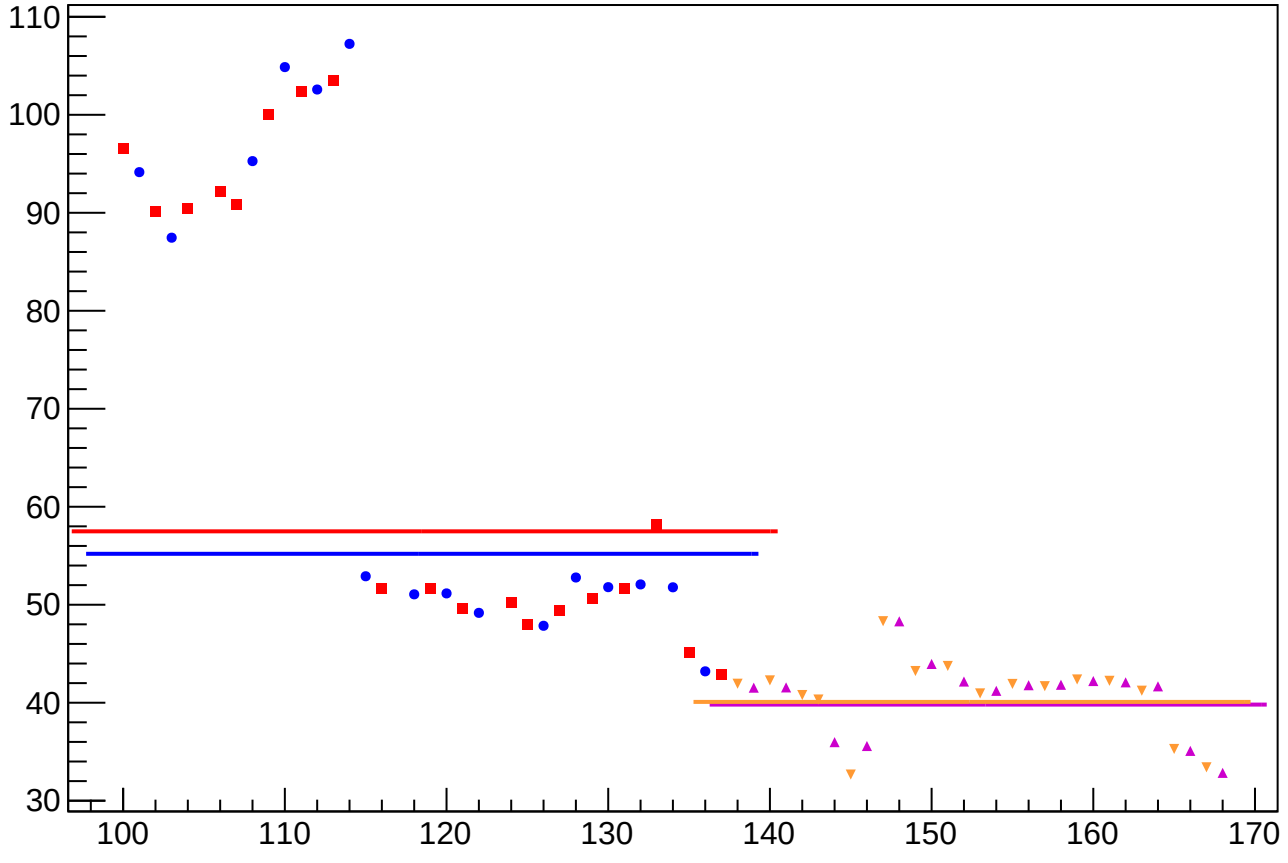
Left In: -1.431+/-11.382 χ^2/NDF:20.2/14

+ sign 2.134+/-10.030 χ^2/NDF: 49.0/31

All: 3.239+/-7.122 χ^2/NDF: 93.4/65

- sign 4.363+/-10.116 χ^2/NDF: 44.4/33

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.084+/-0.008 χ^2/NDF:263965.1/15

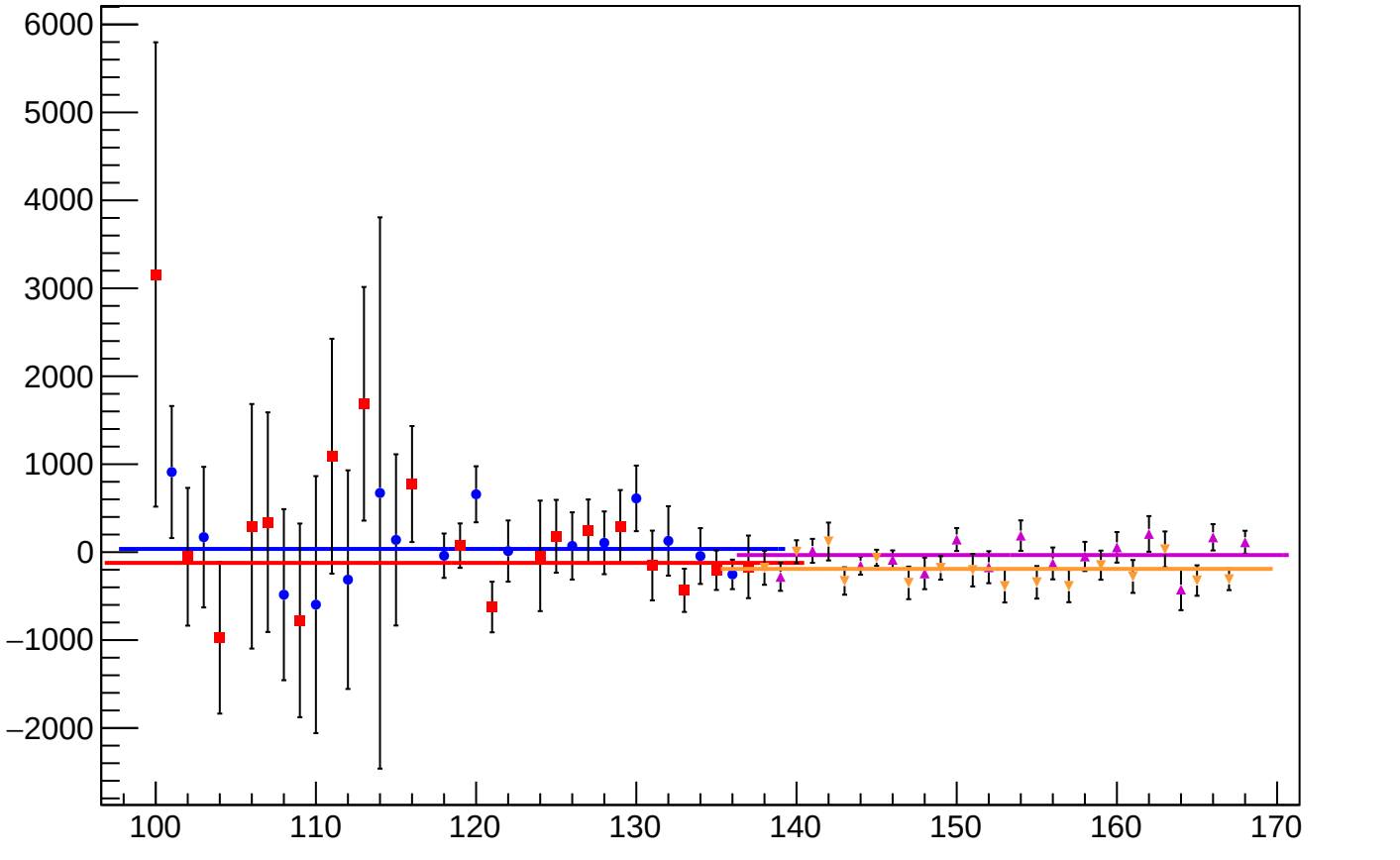
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 39.809+/-0.008 χ^2/NDF:244875.2/14

+ sign 43.393+/-0.007 χ^2/NDF: 2193206.2/31

All: 43.458+/-0.005 χ^2/NDF: 4726648.1/65

- sign 43.524+/-0.007 χ^2/NDF: 2533272.6/33



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -190.622+/-38.991 χ^2/NDF:13.7/15

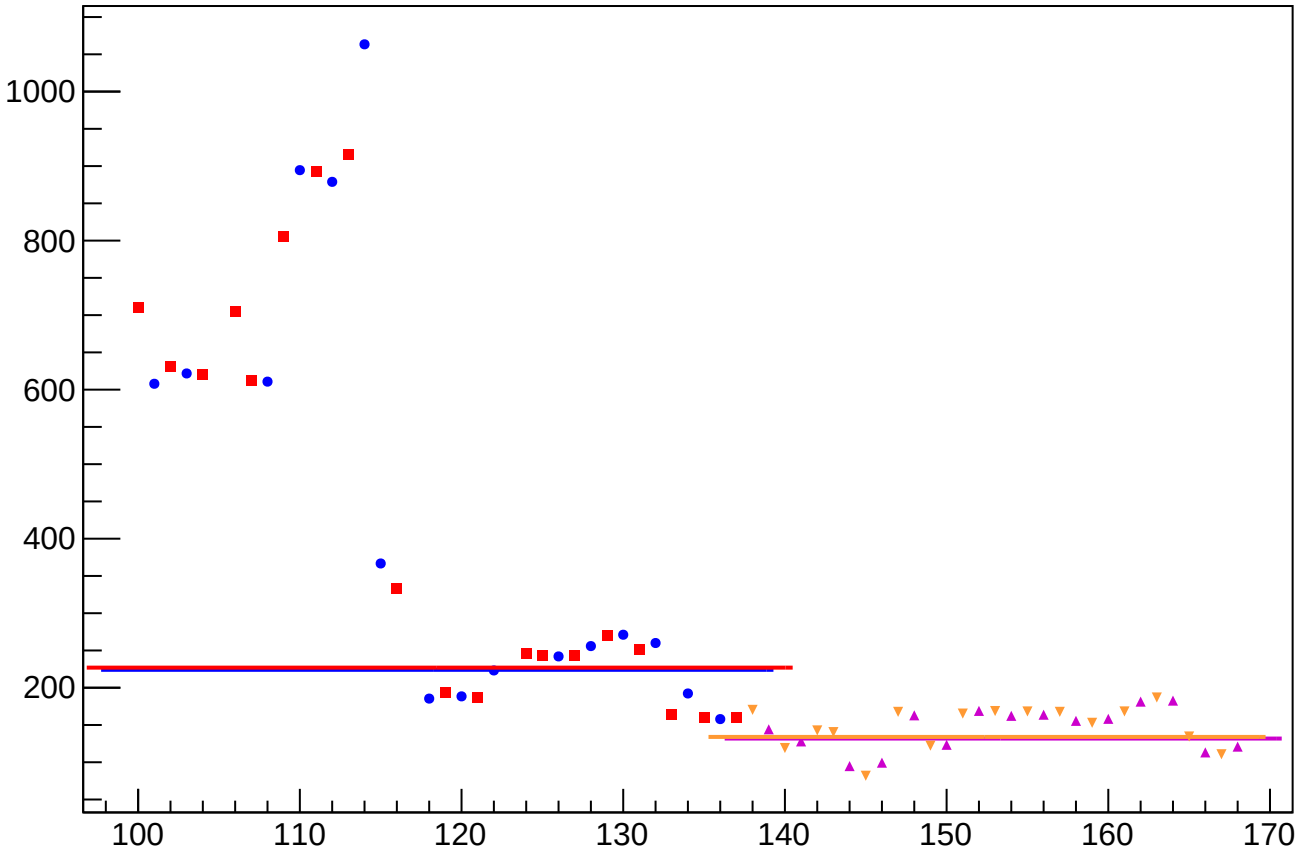
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -33.272+/-38.540 χ^2/NDF:17.3/14

+ sign -157.041+/-35.990 χ^2/NDF: 30.1/31

All: -100.988+/-25.367 χ^2/NDF: 68.5/65

- sign -45.657+/-35.758 χ^2/NDF: 33.6/33



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 133.989+/-0.028 χ^2/NDF:1392730.3/15

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

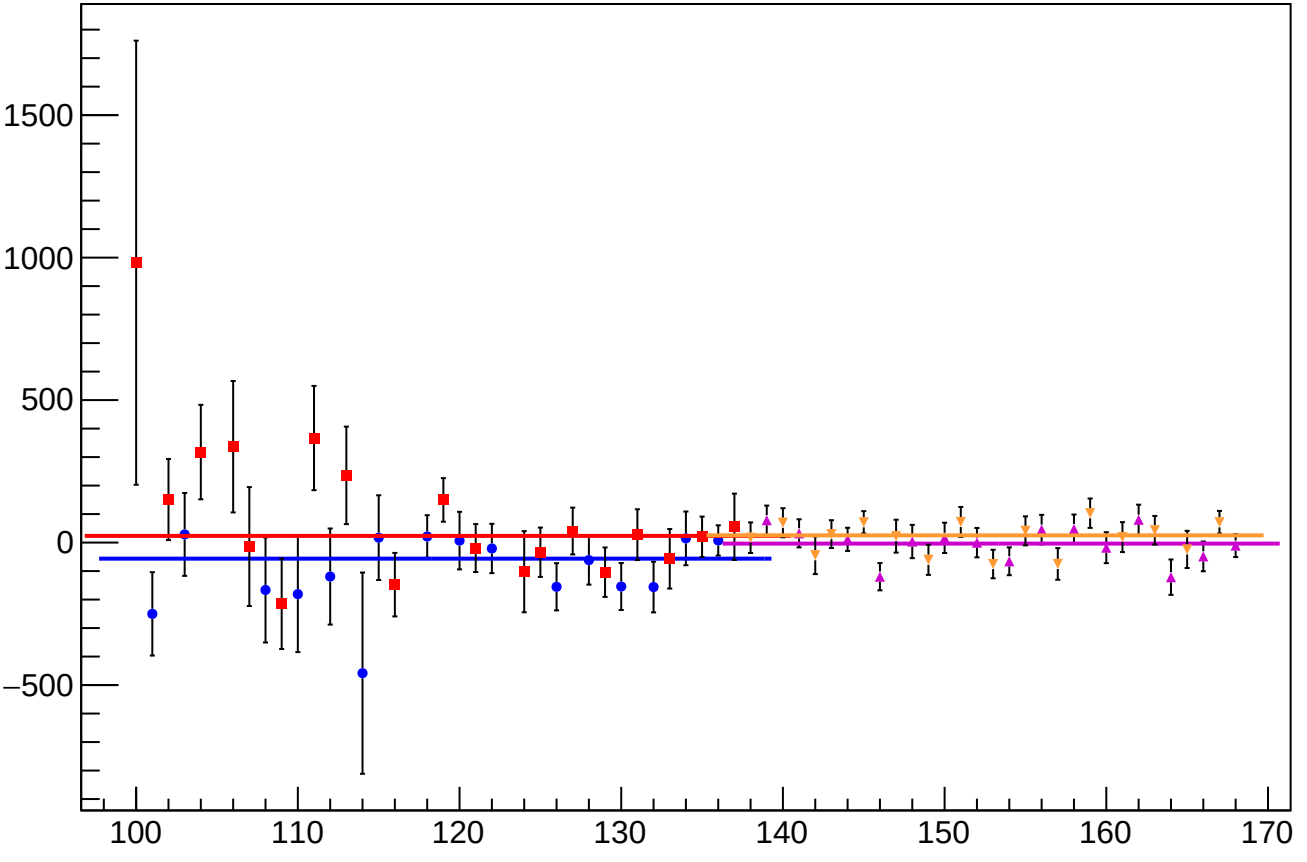
Left In: 131.792+/-0.027 χ^2/NDF:1073783.4/14

+ sign 147.314+/-0.025 χ^2/NDF: 5939401.2/31

All: 146.167+/-0.018 χ^2/NDF: 12286361.3/65

- sign 145.034+/-0.025 χ^2/NDF: 6342923.7/33

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 25.397+/-12.743 χ^2/NDF:18.4/15

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

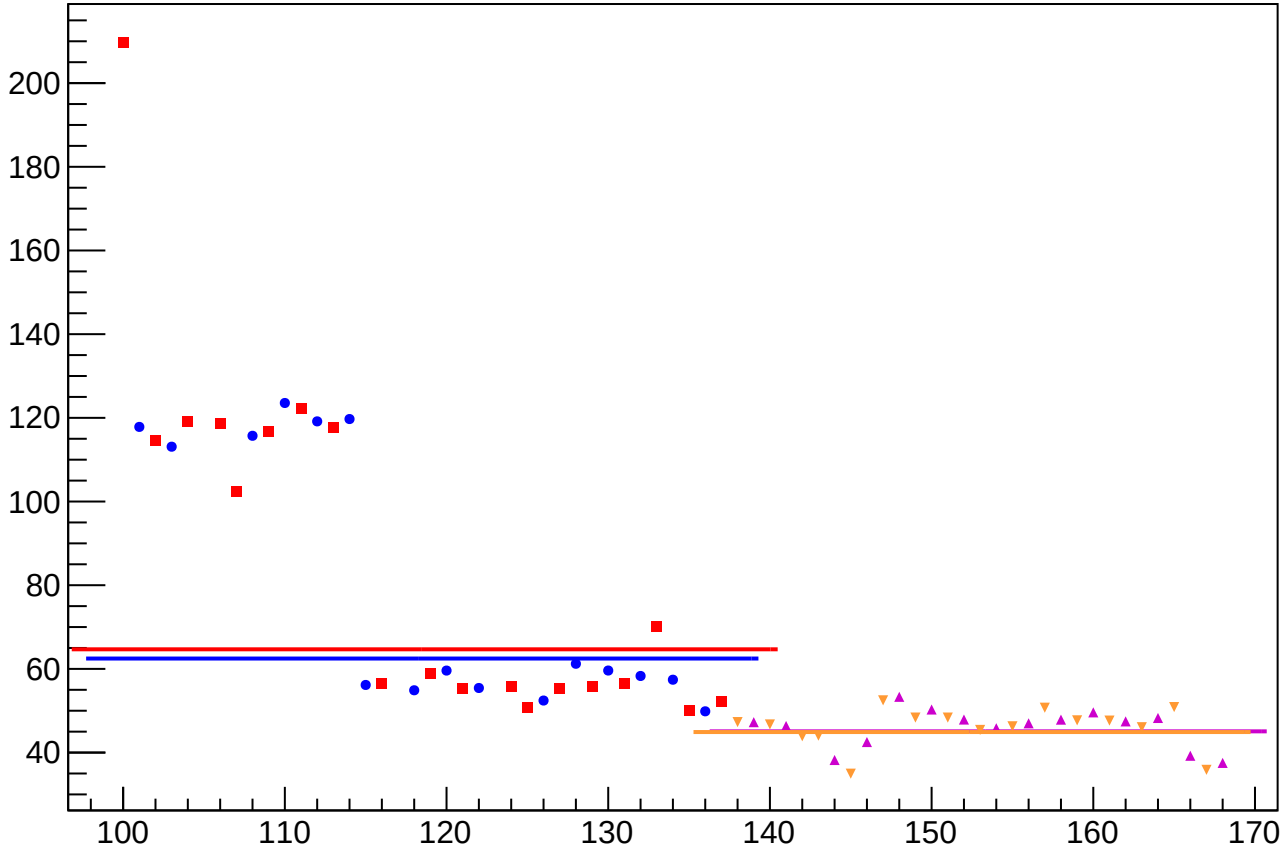
Left In: -3.565+/-12.947 χ^2/NDF:19.7/14

+ sign 7.966+/-11.304 χ^2/NDF: 39.4/31

All: 5.086+/-8.066 χ^2/NDF: 84.3/65

- sign 2.100+/-11.512 χ^2/NDF: 44.7/33

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 44.907+/-0.009 χ^2/NDF:344086.8/15

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

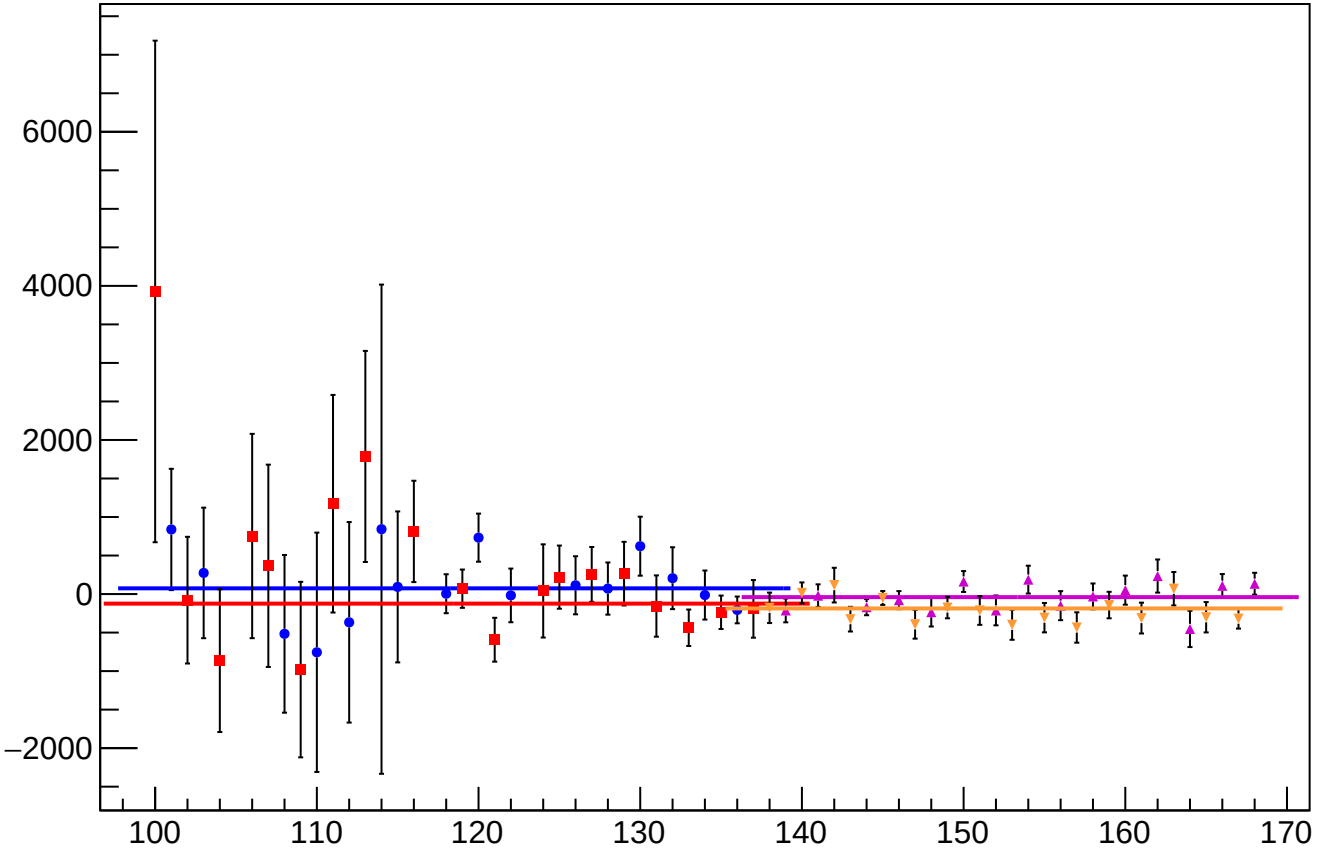
Left In: 45.072+/-0.009 χ^2/NDF:259943.4/14

+ sign 48.650+/-0.008 χ^2/NDF: 2502201.0/31

All: 48.909+/-0.006 χ^2/NDF: 5315104.5/65

- sign 49.177+/-0.008 χ^2/NDF: 2810769.5/33

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -186.676+/-40.303 χ^2/NDF:14.7/15

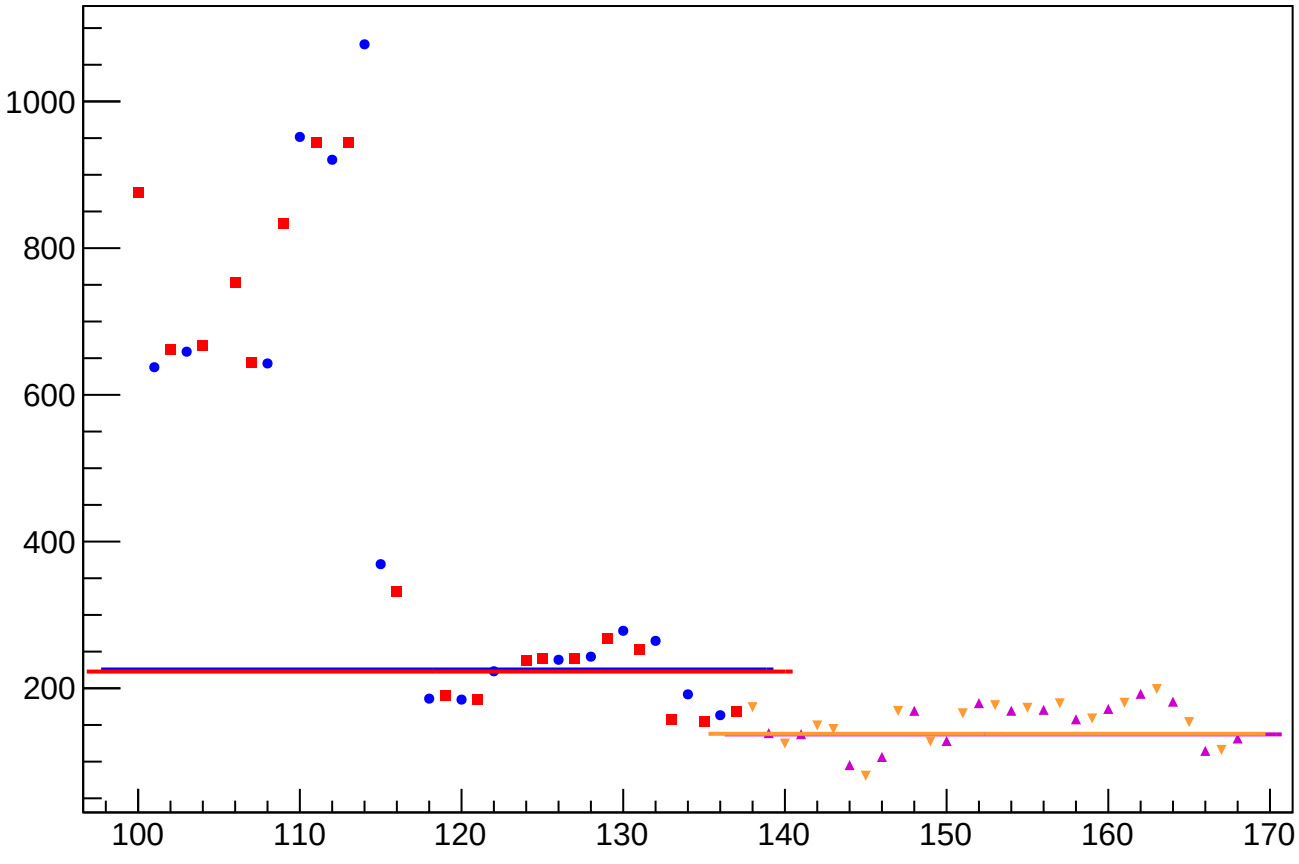
Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: -39.760+/-40.253 χ^2/NDF:16.3/14

+ sign -146.508+/-37.072 χ^2/NDF: 32.3/31

All: -99.562+/-26.203 χ^2/NDF: 68.9/65

- sign -52.689+/-37.043 χ^2/NDF: 33.4/33



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 137.954+/-0.028 χ^2/NDF:1597809.0/15

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

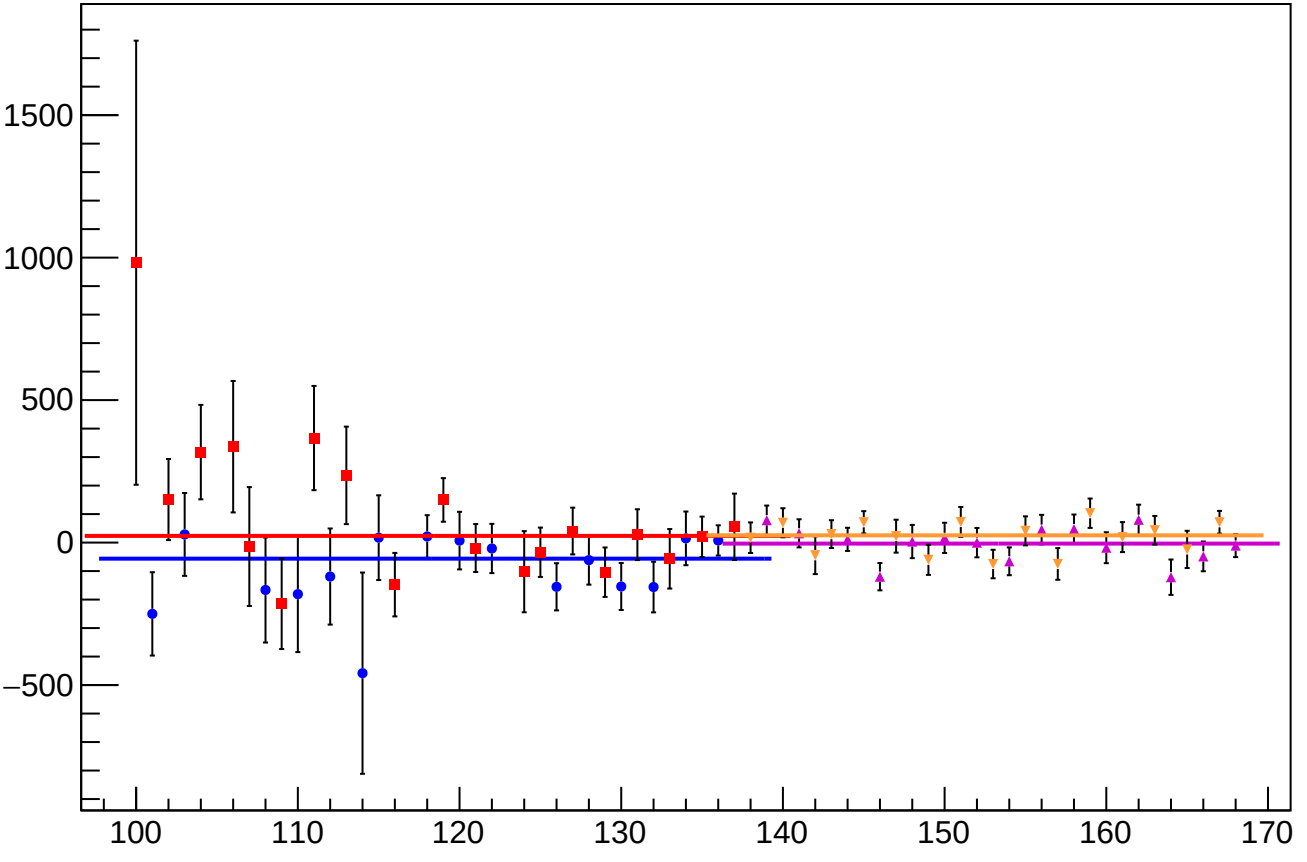
Left In: 137.168+/-0.028 χ^2/NDF:1098035.0/14

+ sign 151.447+/-0.026 χ^2/NDF: 6080120.7/31

All: 150.862+/-0.019 χ^2/NDF: 12412793.7/65

- sign 150.278+/-0.026 χ^2/NDF: 6331677.5/33

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 25.398+/-12.743 χ^2/NDF:18.4/15

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

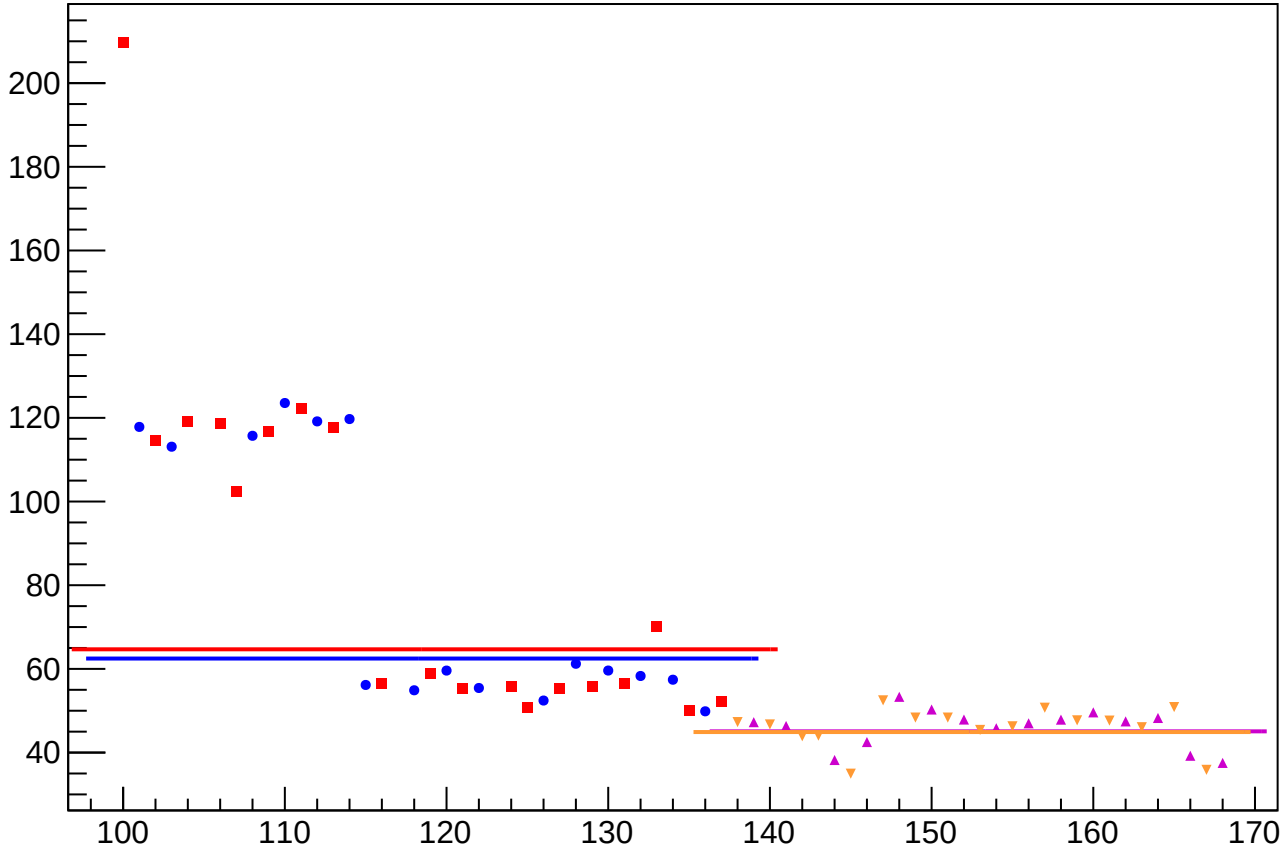
Left In: -3.566+/-12.947 χ^2/NDF:19.7/14

+ sign 7.966+/-11.304 χ^2/NDF: 39.4/31

All: 5.086+/-8.066 χ^2/NDF: 84.3/65

- sign 2.100+/-11.512 χ^2/NDF: 44.7/33

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 44.907+/-0.009 χ^2/NDF:344095.0/15

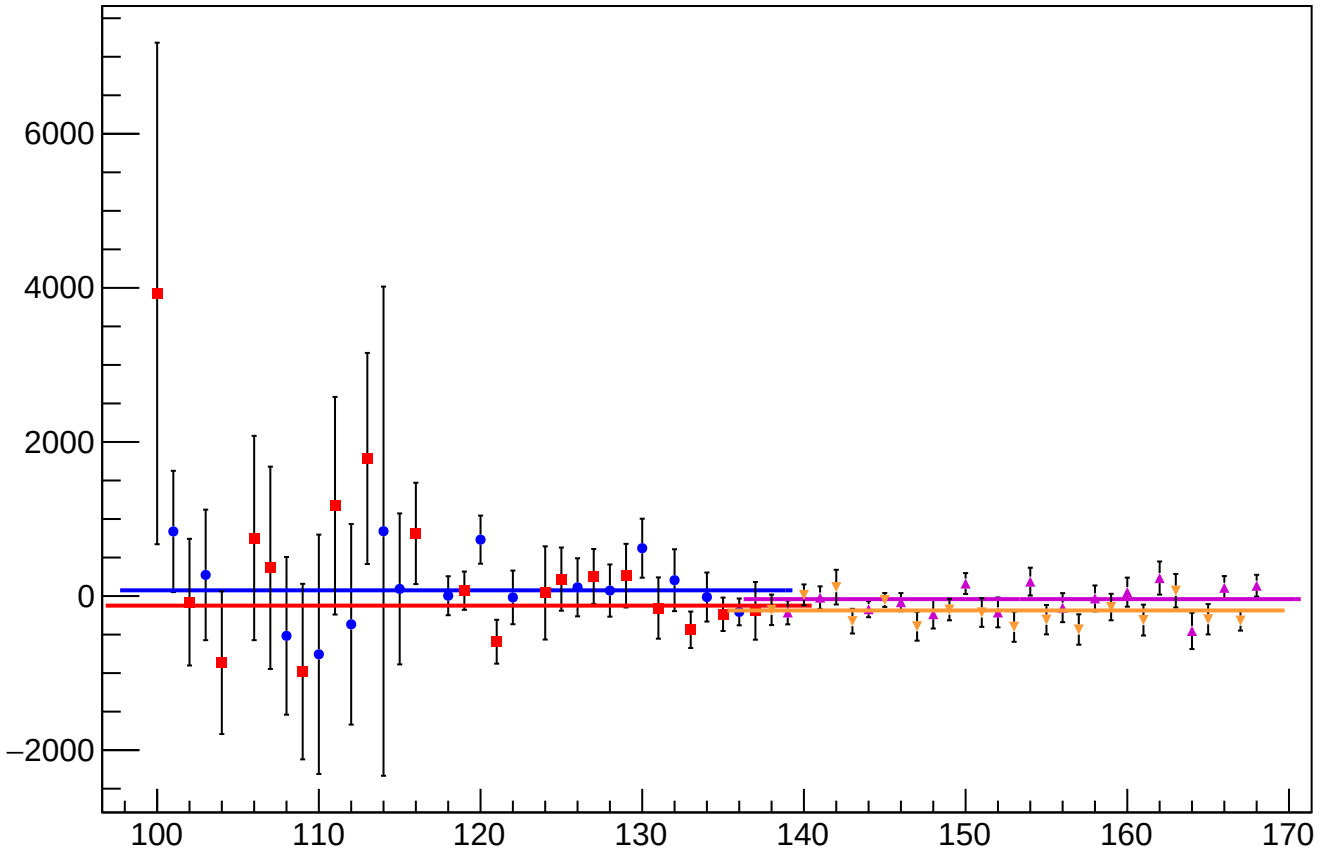
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 45.072+/-0.009 χ^2/NDF:259948.2/14

+ sign 48.650+/-0.008 χ^2/NDF: 2502145.6/31

All: 48.909+/-0.006 χ^2/NDF: 5315005.3/65

- sign 49.177+/-0.008 χ^2/NDF: 2810725.5/33



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -186.676+/-40.303 χ^2/NDF:14.7/15

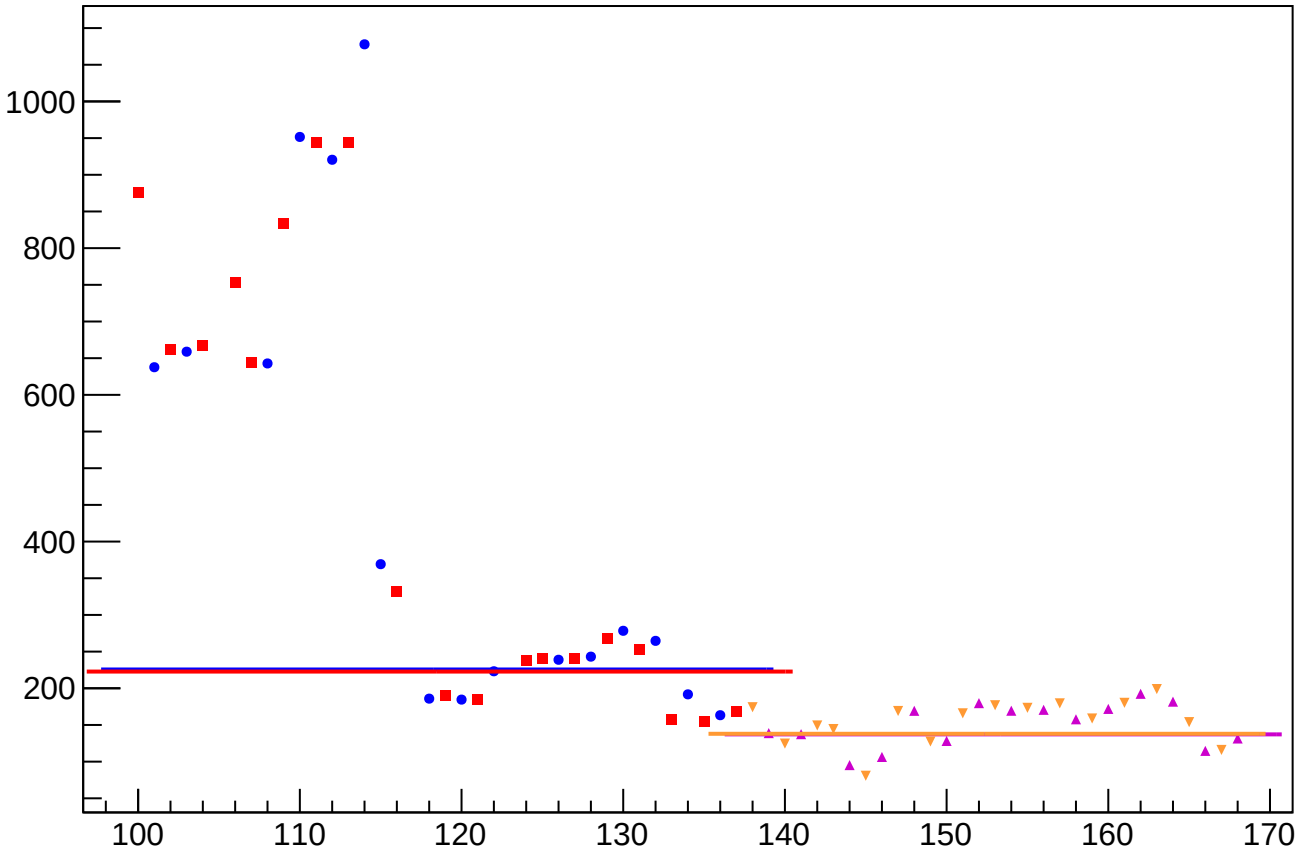
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -39.760+/-40.253 χ^2/NDF:16.3/14

+ sign -146.508+/-37.072 χ^2/NDF: 32.3/31

All: -99.562+/-26.203 χ^2/NDF: 68.9/65

- sign -52.689+/-37.043 χ^2/NDF: 33.4/33



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 137.954+/-0.028 χ^2/NDF:1597801.9/15

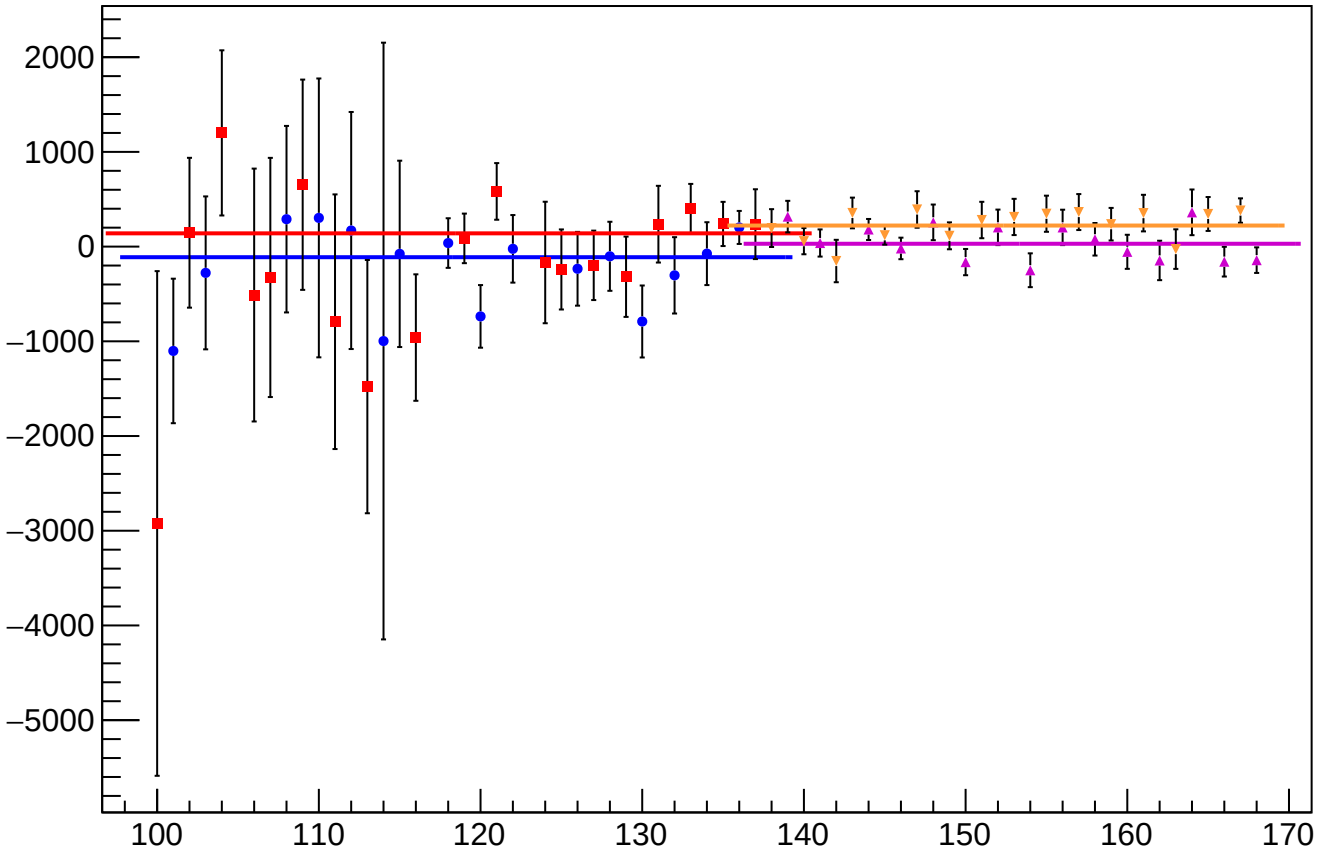
Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 137.168+/-0.028 χ^2/NDF:1098038.5/14

+ sign 151.447+/-0.026 χ^2/NDF: 6080092.5/31

All: 150.862+/-0.019 χ^2/NDF: 12412758.5/65

- sign 150.278+/-0.026 χ^2/NDF: 6331670.4/33



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 222.371+/-40.858 χ^2/NDF:12.5/15

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

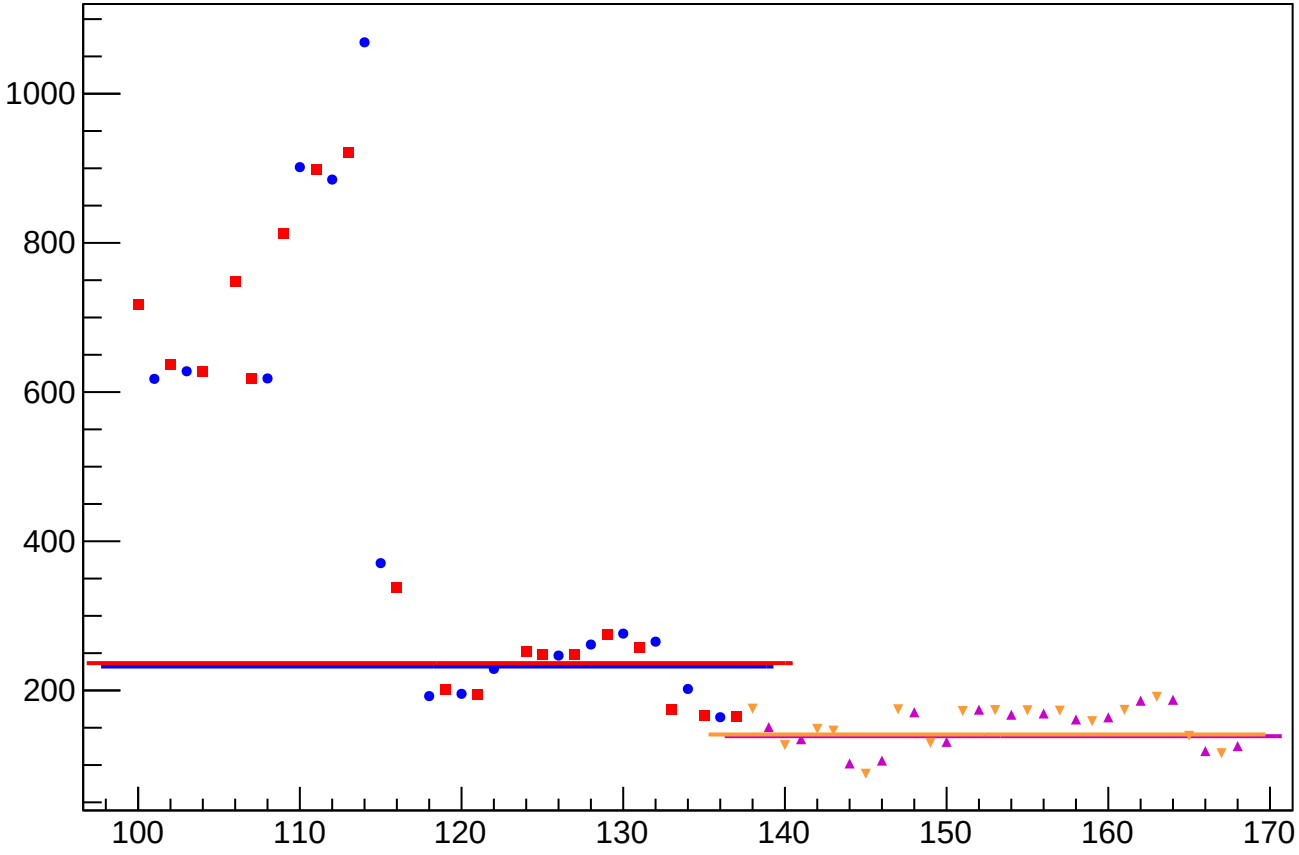
Left In: 29.954+/-40.409 χ^2/NDF:18.6/14

\+ sign 171.599+/-37.628 χ^2/NDF: 35.5/31

All: 108.265+/-26.534 χ^2/NDF: 75.4/65

\- sign 45.619+/-37.422 χ^2/NDF: 34.3/33

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 140.984+/-0.029 χ^2/NDF:1227642.8/15

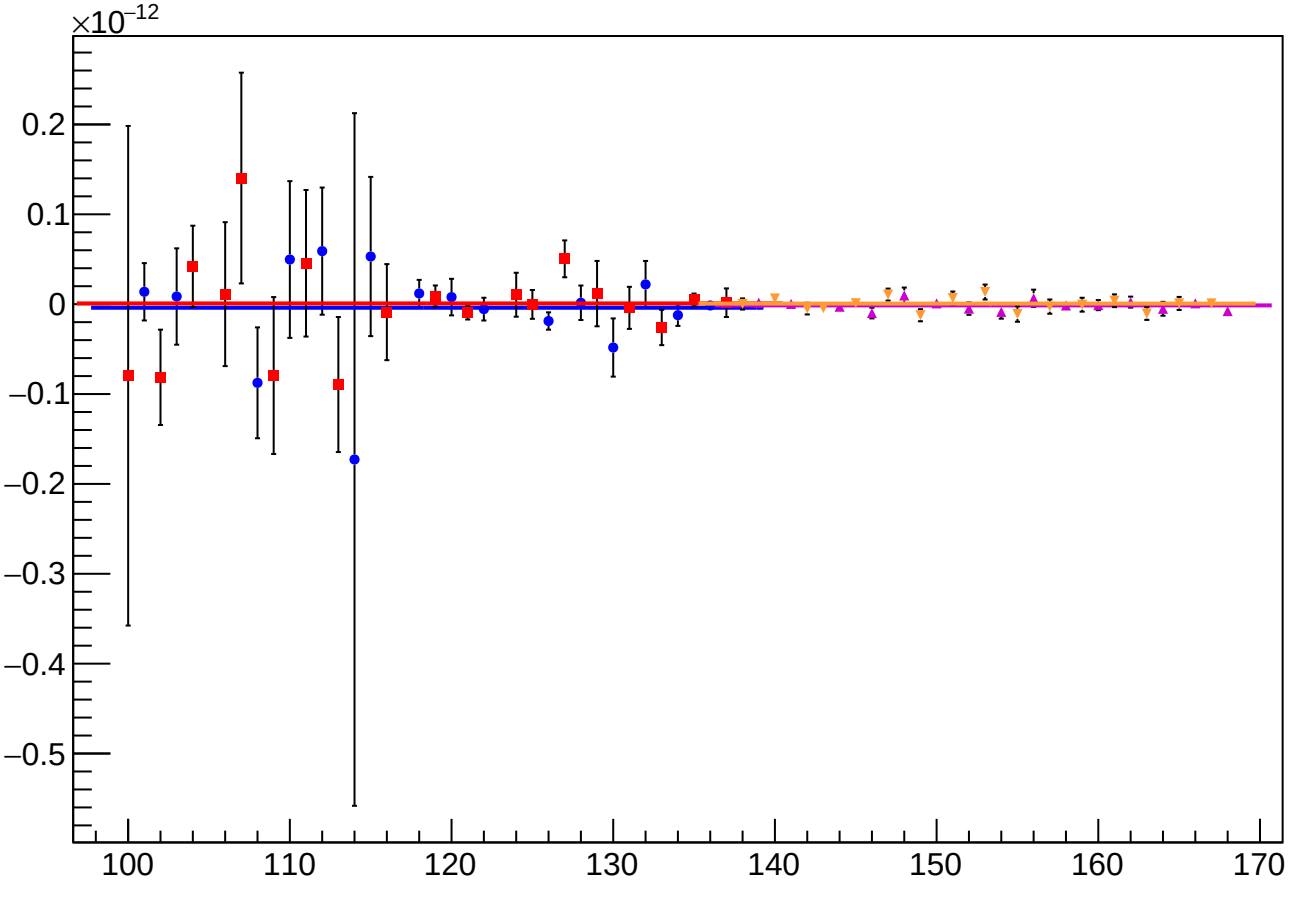
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 138.672+/-0.029 χ^2/NDF:946823.9/14

+ sign 154.824+/-0.027 χ^2/NDF: 5624031.6/31

All: 153.717+/-0.019 χ^2/NDF: 11769349.0/65

- sign 152.622+/-0.026 χ^2/NDF: 6141873.9/33



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

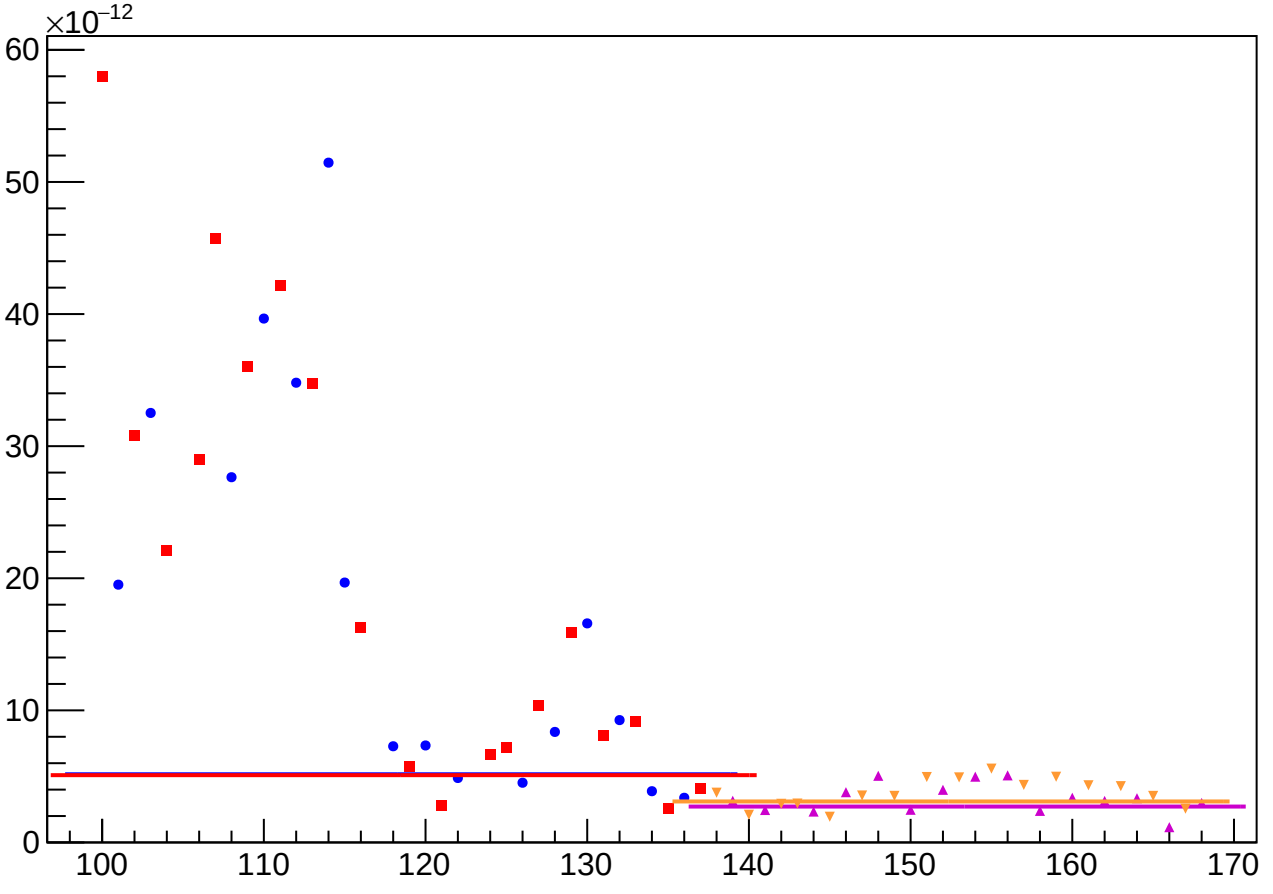
Left In: -0.000+/-0.000 χ^2/NDF:9.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 30.8/31

All: -0.000+/-0.000 χ^2/NDF: 58.6/65

- sign -0.000+/-0.000 χ^2/NDF: 27.3/33

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1182635.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

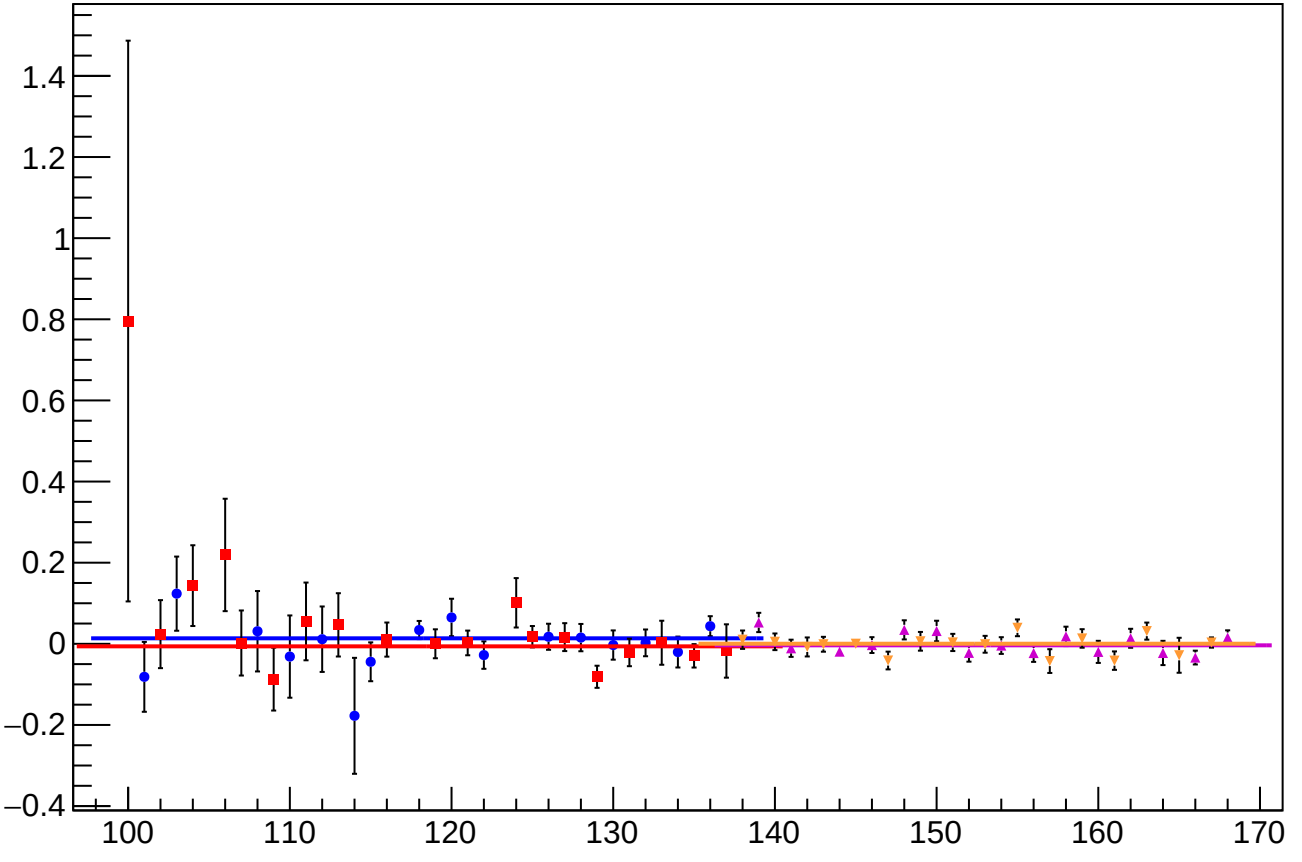
Left In: 0.000+/-0.000 χ^2/NDF:1166649.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 4350024.8/31

All: 0.000+/-0.000 χ^2/NDF: 9502813.5/65

- sign 0.000+/-0.000 χ^2/NDF: 5052642.8/33

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: 0.000+/-0.005 χ^2/NDF:16.1/15

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

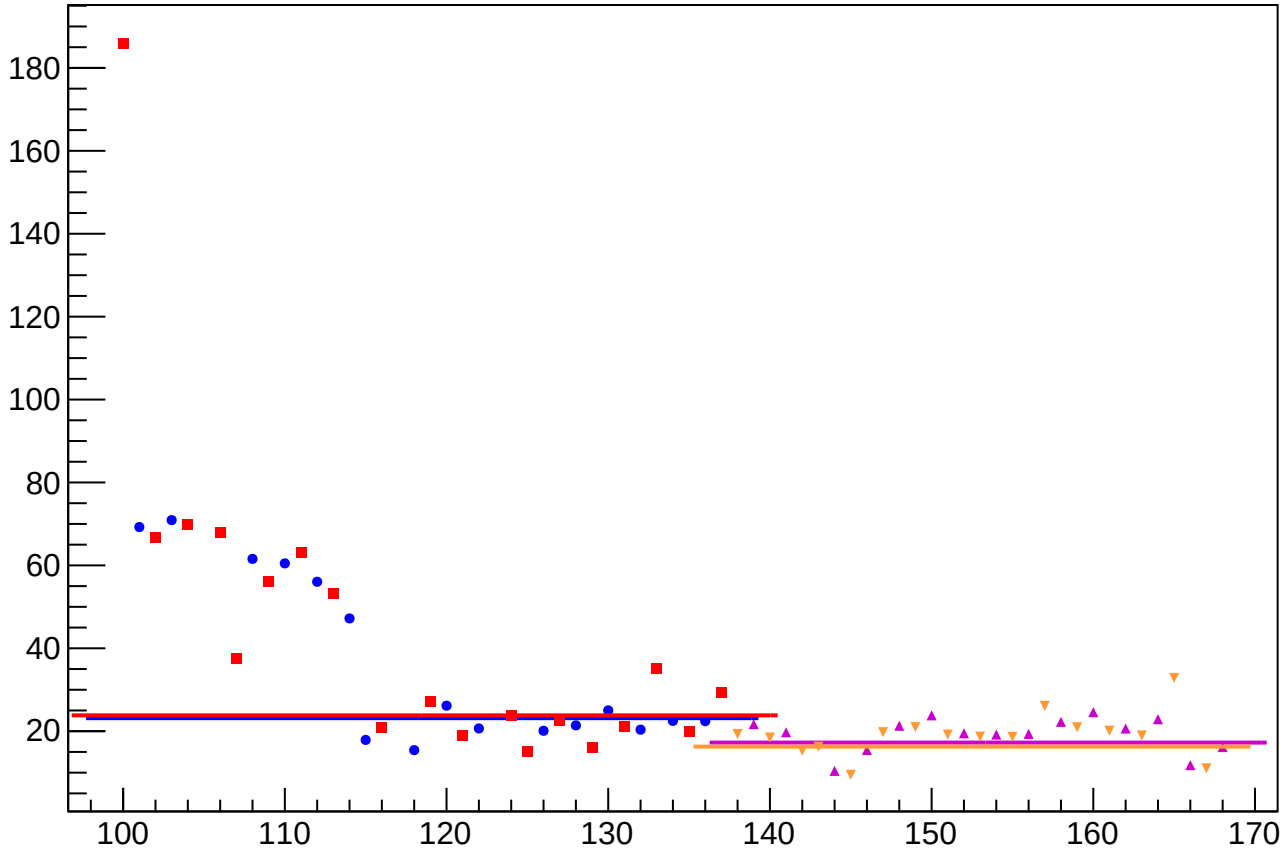
Left In: -0.004+/-0.005 χ^2/NDF:20.0/14

+ sign 0.003+/-0.004 χ^2/NDF: 29.9/31

All: -0.000+/-0.003 χ^2/NDF: 72.6/65

- sign -0.004+/-0.005 χ^2/NDF: 41.5/33

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: 16.282+/-0.003 χ^2/NDF:2044238.8/15

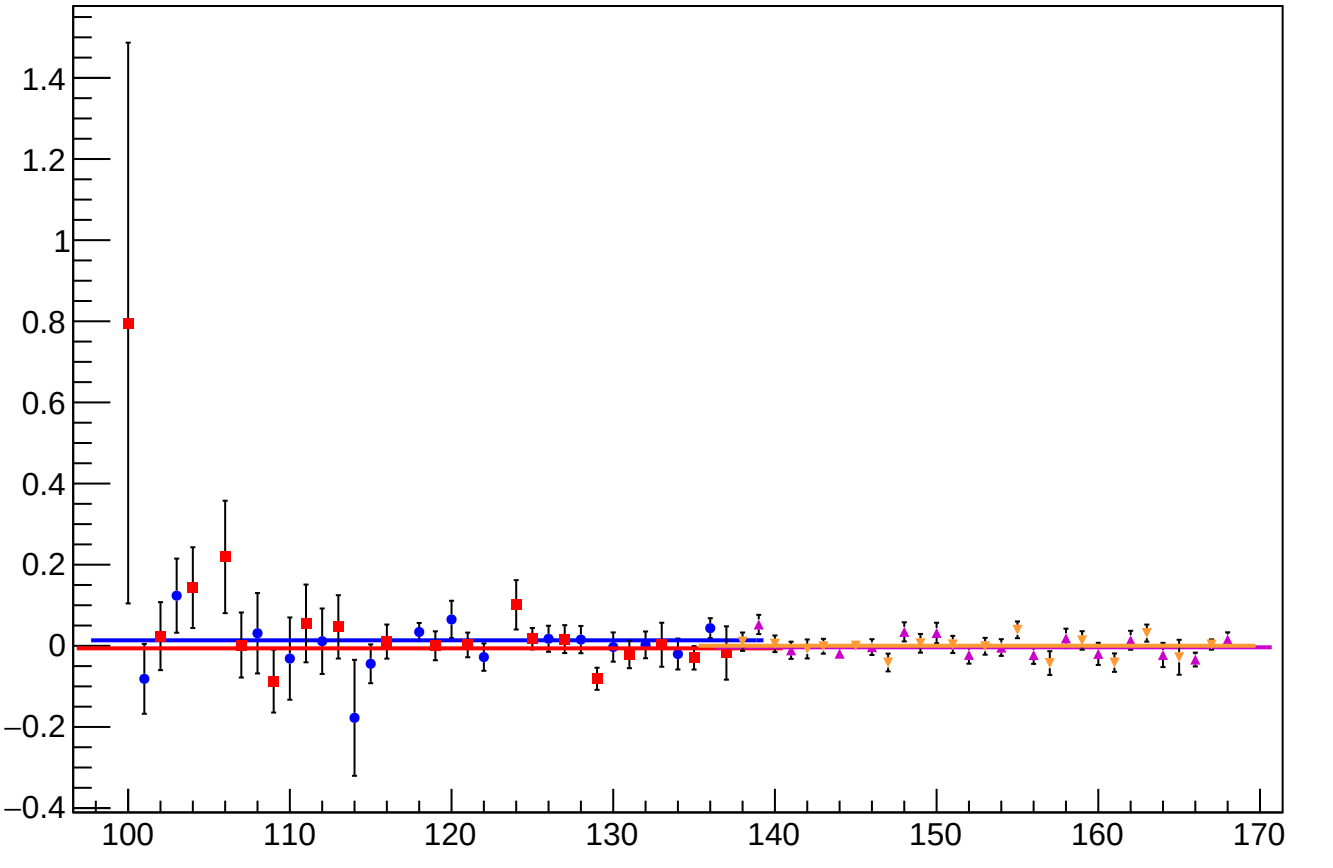
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.257+/-0.004 χ^2/NDF:1593801.7/14

+ sign 17.639+/-0.003 χ^2/NDF: 5230189.8/31

All: 18.118+/-0.002 χ^2/NDF: 10443465.8/65

- sign 18.658+/-0.003 χ^2/NDF: 5162371.4/33



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:16.1/15

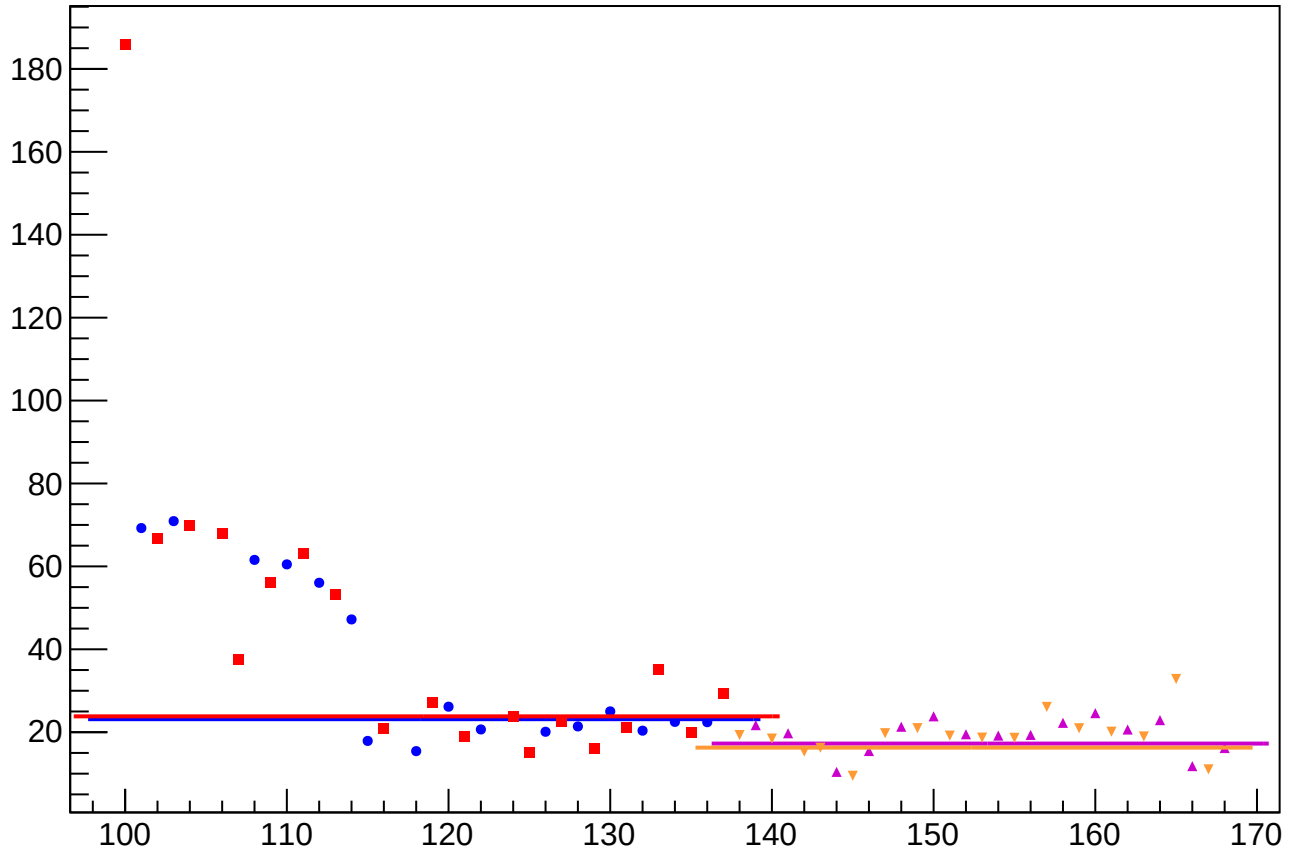
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.004+/-0.005 χ^2/NDF:20.0/14

+ sign 0.003+/-0.004 χ^2/NDF: 29.9/31

All: -0.000+/-0.003 χ^2/NDF: 72.6/65

- sign -0.004+/-0.005 χ^2/NDF: 41.5/33



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 16.282+/-0.003 χ^2/NDF:2044238.8/15

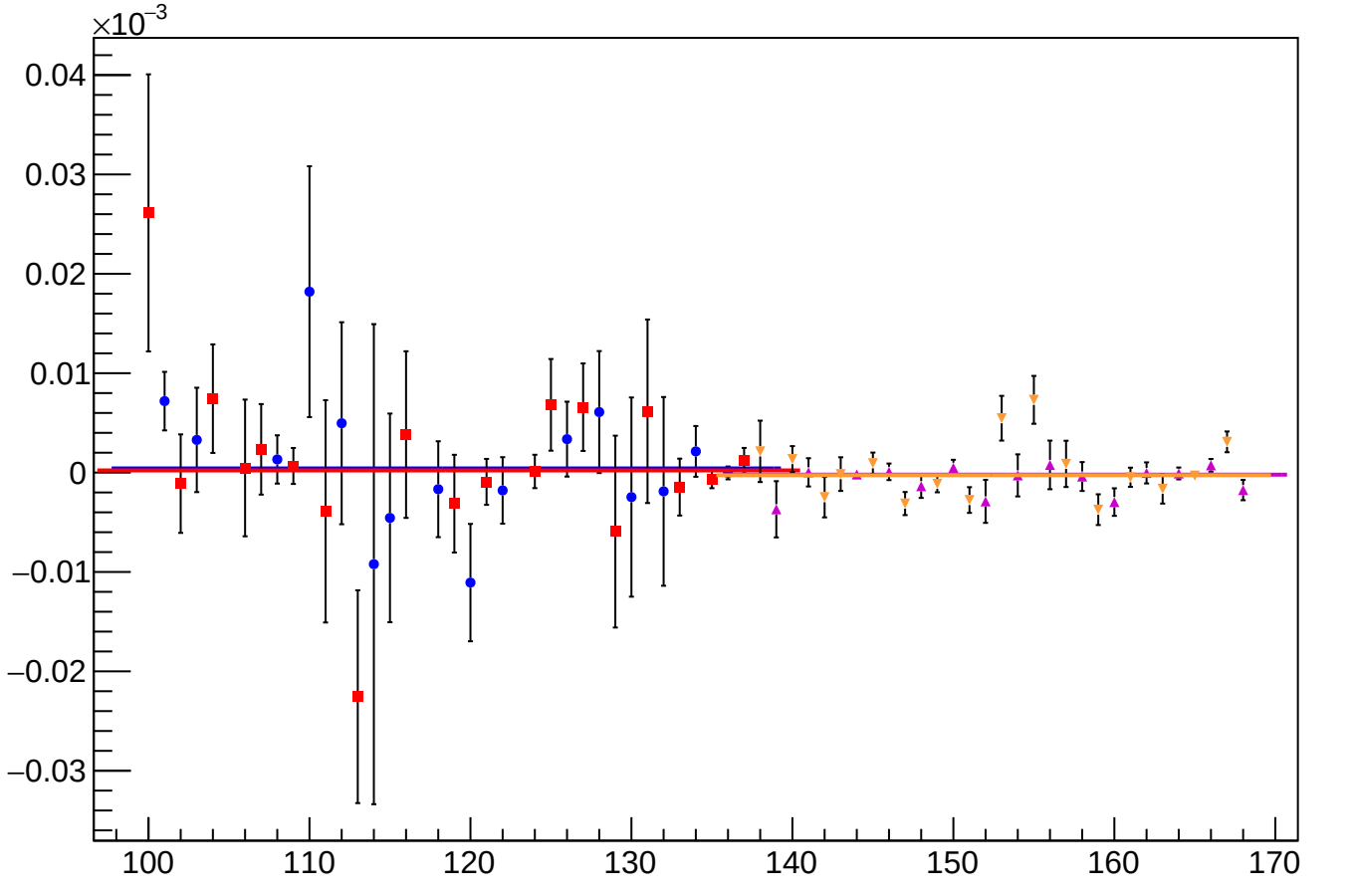
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.257+/-0.004 χ^2/NDF:1593801.7/14

+ sign 17.639+/-0.003 χ^2/NDF: 5230189.8/31

All: 18.118+/-0.002 χ^2/NDF: 10443465.8/65

- sign 18.658+/-0.003 χ^2/NDF: 5162371.4/33



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:48.3/15

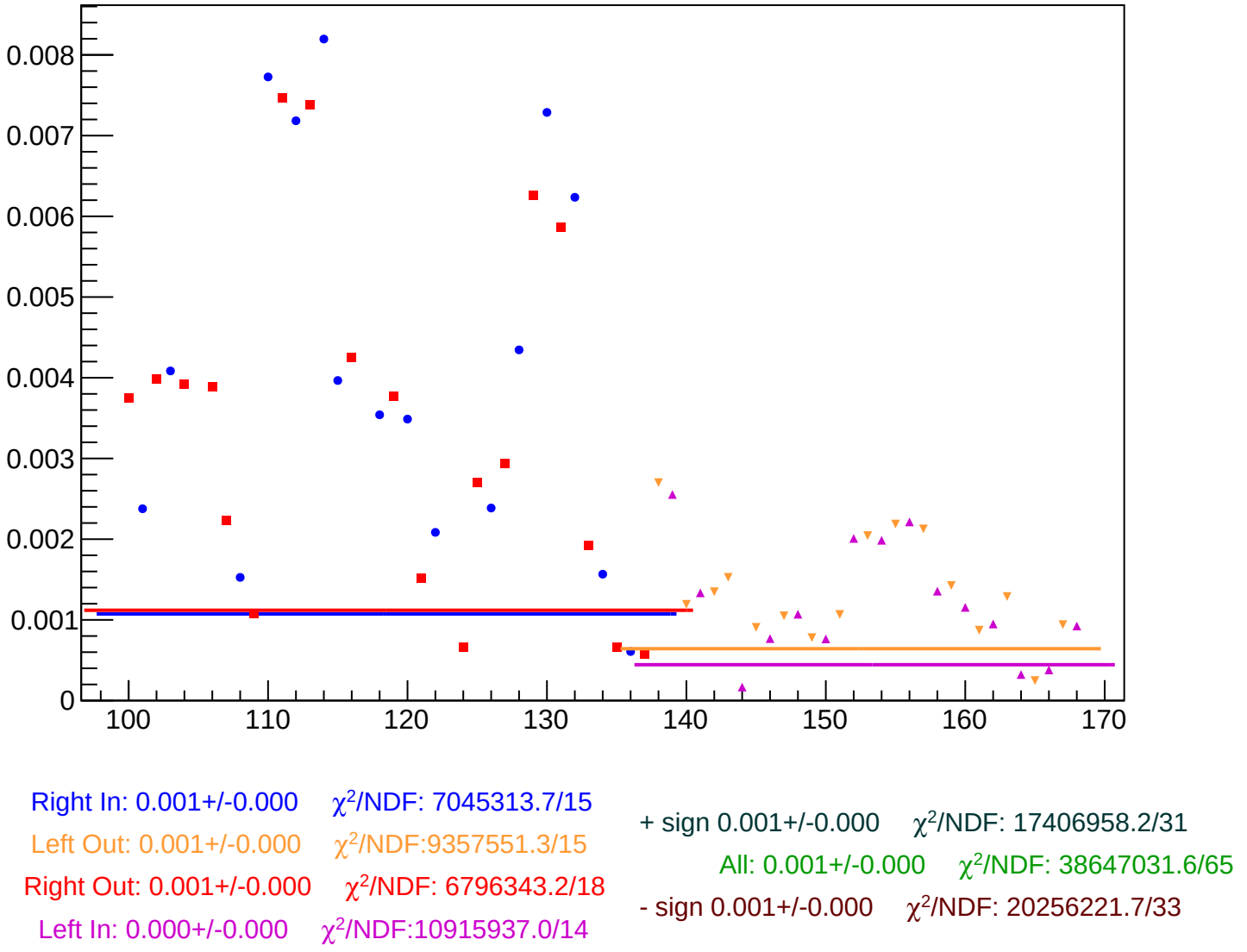
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

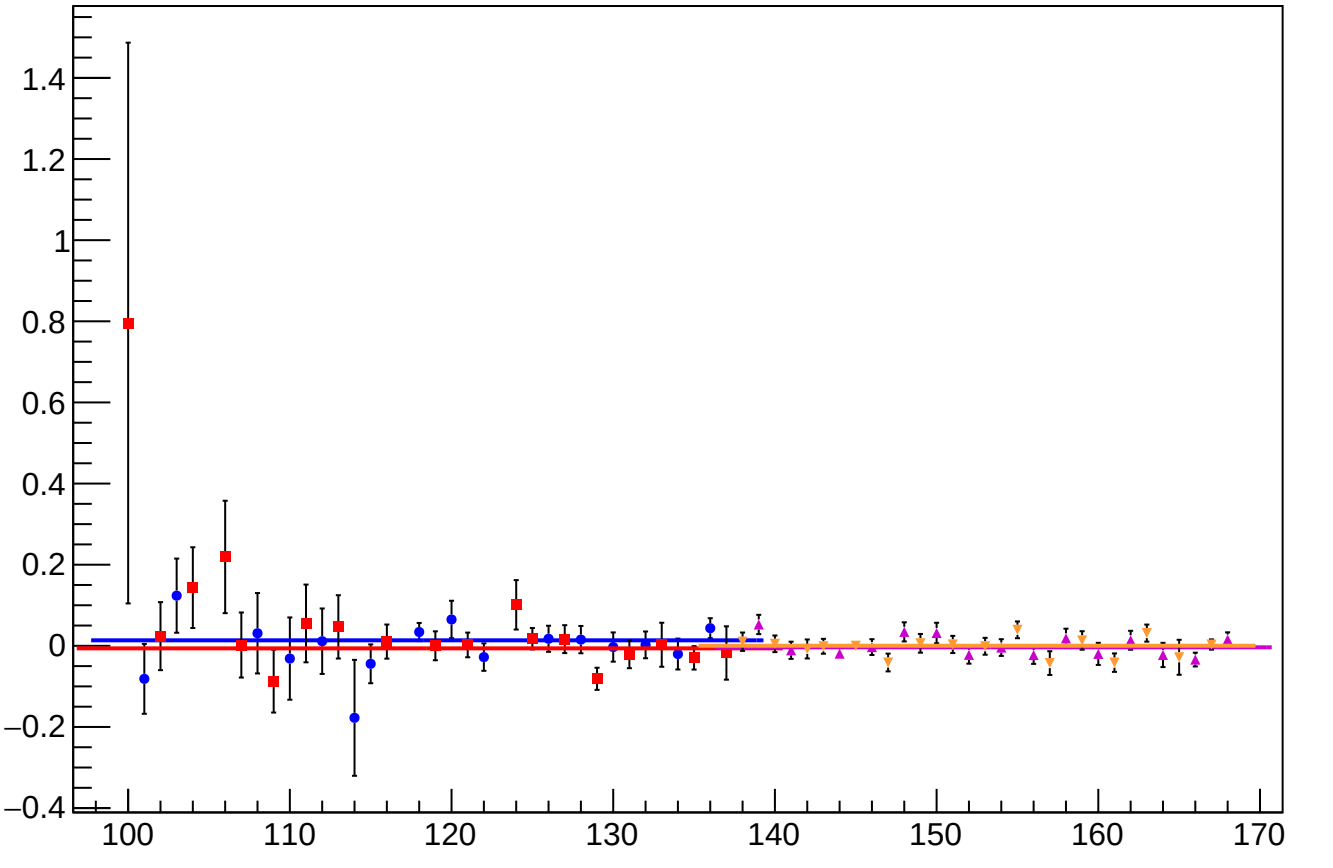
Left In: -0.000+/-0.000 χ^2/NDF:13.6/14

+ sign -0.000+/-0.000 χ^2/NDF: 64.8/31

All: -0.000+/-0.000 χ^2/NDF: 96.8/65

- sign -0.000+/-0.000 χ^2/NDF: 32.0/33


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:9357551.3/15
Right Out: 0.001+/-0.000 χ²/NDF: 6796343.2/18
Left In: 0.000+/-0.000 χ²/NDF:10915937.0/14
+ sign 0.001+/-0.000 χ²/NDF: 17406958.2/31
All: 0.001+/-0.000 χ²/NDF: 38647031.6/65
- sign 0.001+/-0.000 χ²/NDF: 20256221.7/33



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:16.1/15

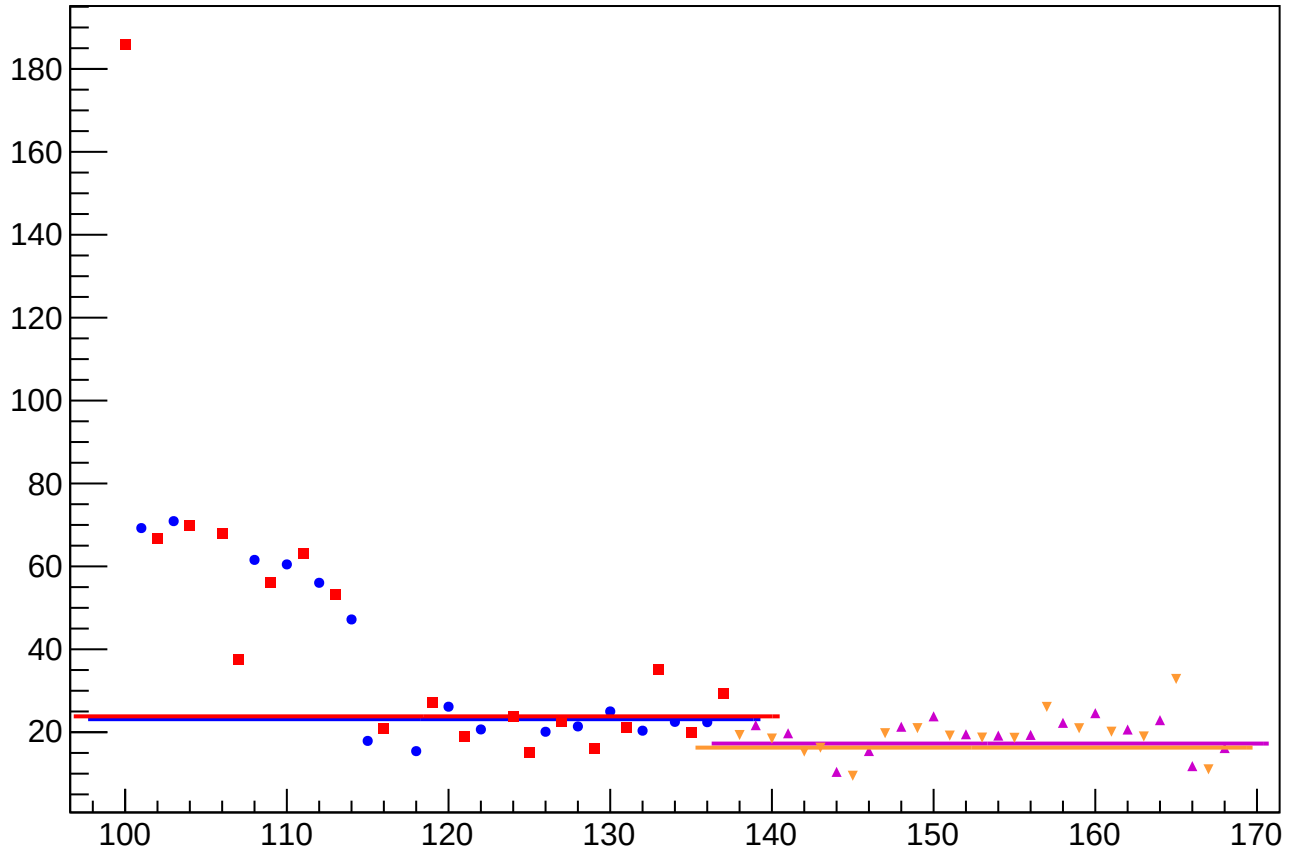
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.004+/-0.005 χ^2/NDF:20.0/14

+ sign 0.003+/-0.004 χ^2/NDF: 29.9/31

All: -0.000+/-0.003 χ^2/NDF: 72.6/65

- sign -0.004+/-0.005 χ^2/NDF: 41.5/33



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.282+/-0.003 χ^2/NDF:2044388.3/15

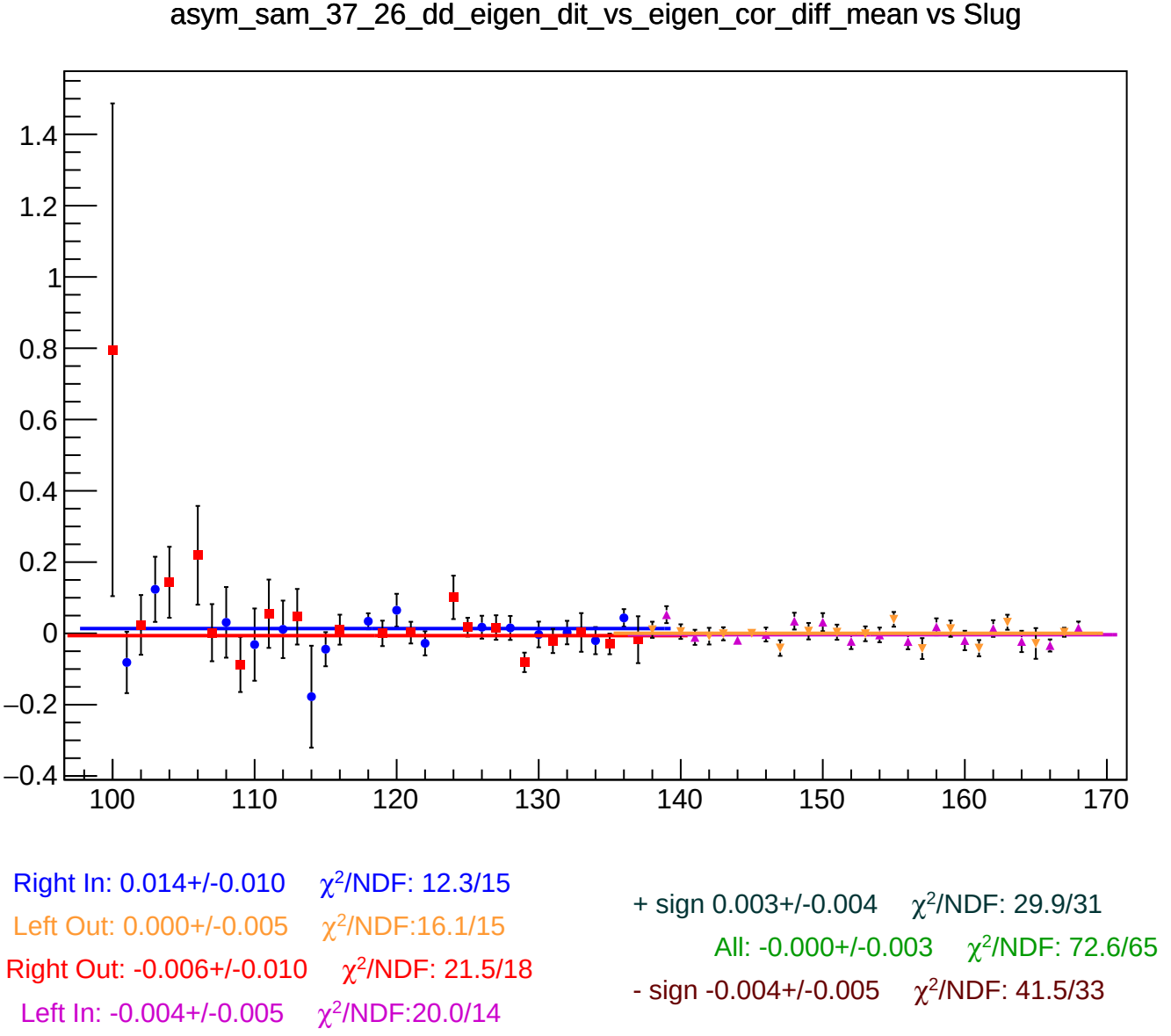
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

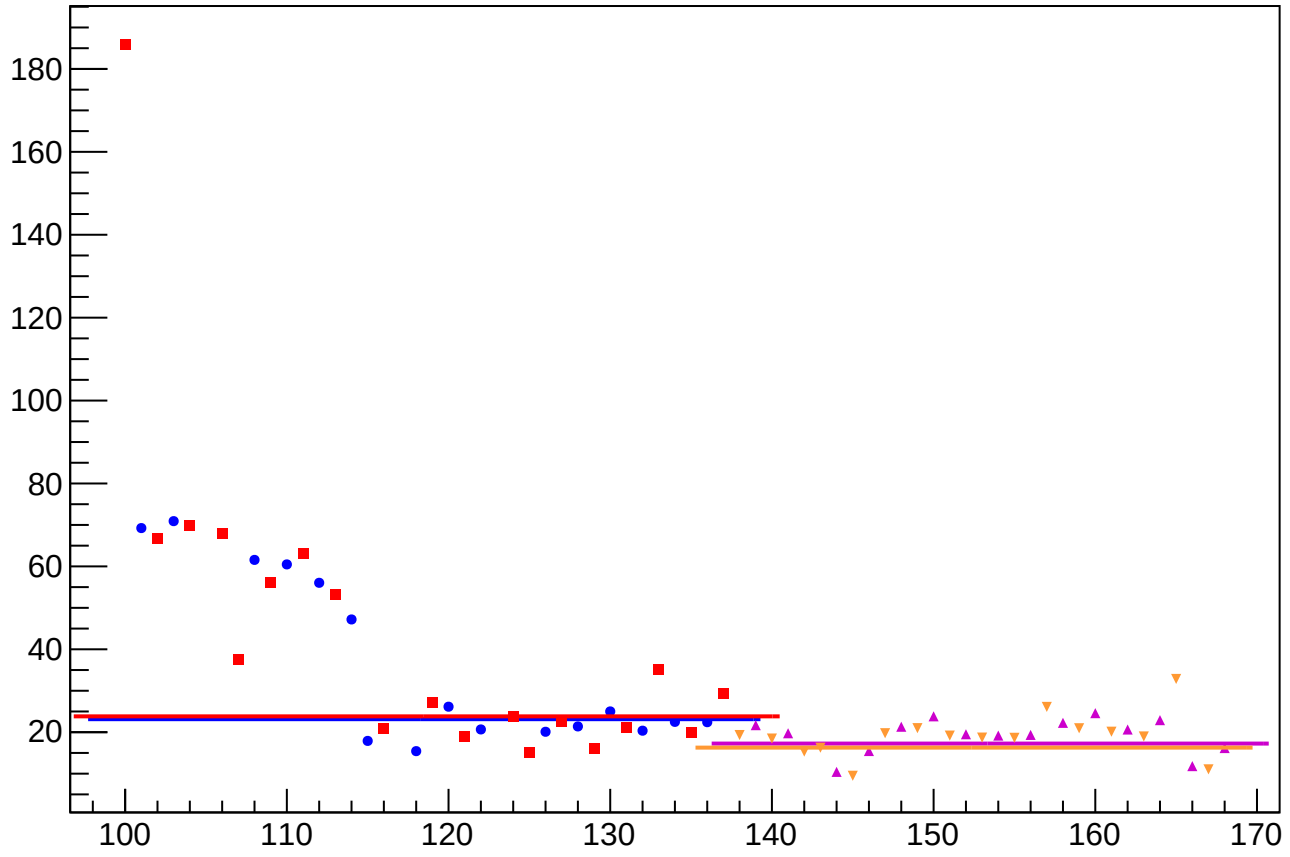
Left In: 17.257+/-0.004 χ^2/NDF:1593788.3/14

+ sign 17.639+/-0.003 χ^2/NDF: 5230121.4/31

All: 18.118+/-0.002 χ^2/NDF: 10443217.7/65

- sign 18.658+/-0.003 χ^2/NDF: 5162174.1/33


asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.014+/-0.010 χ²/NDF: 12.3/15
Left Out: 0.000+/-0.005 χ²/NDF:16.1/15
Right Out: -0.006+/-0.010 χ²/NDF: 21.5/18
Left In: -0.004+/-0.005 χ²/NDF:20.0/14
+ sign 0.003+/-0.004 χ²/NDF: 29.9/31
All: -0.000+/-0.003 χ²/NDF: 72.6/65
- sign -0.004+/-0.005 χ²/NDF: 41.5/33



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.282+/-0.003 χ^2/NDF:2044388.3/15

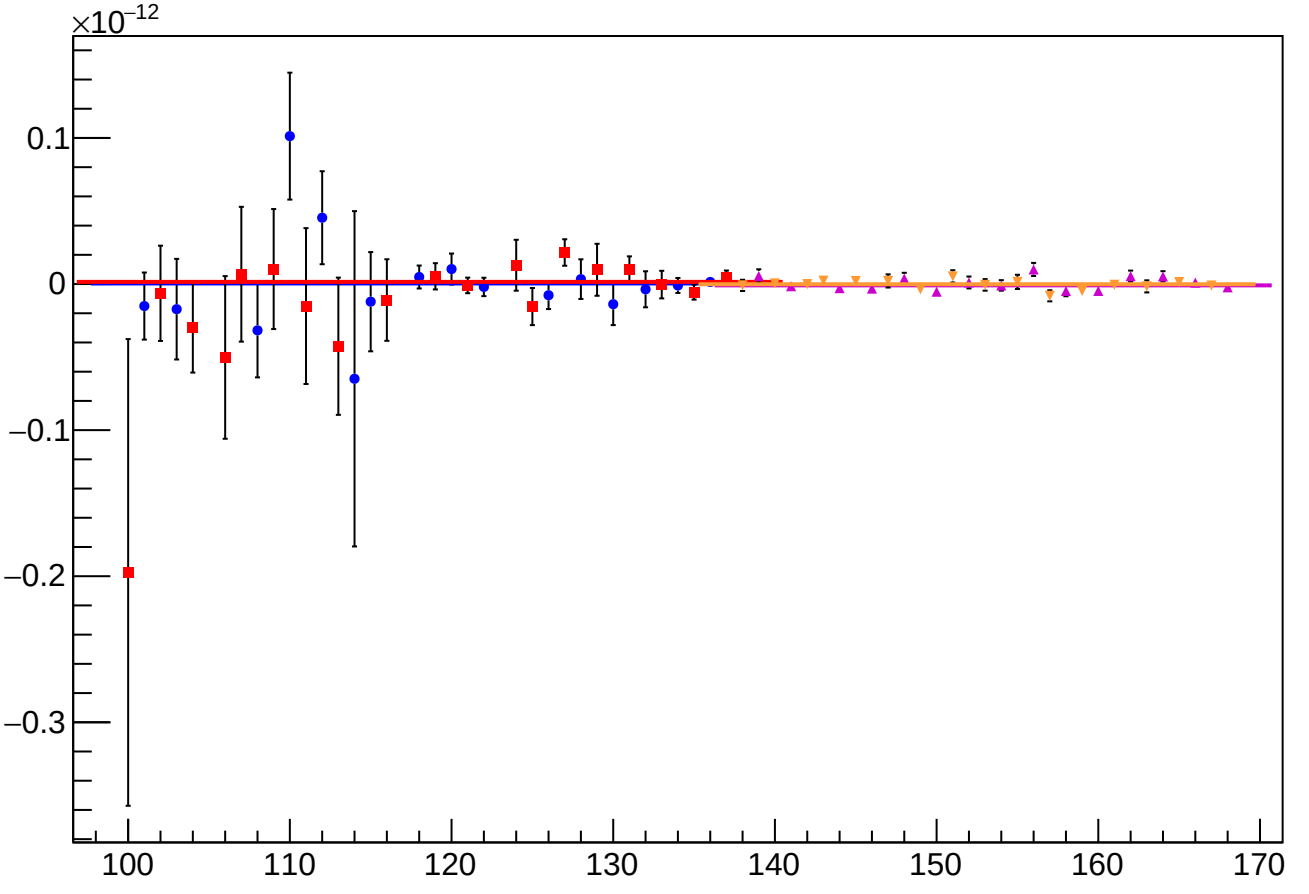
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.257+/-0.004 χ^2/NDF:1593788.3/14

+ sign 17.639+/-0.003 χ^2/NDF: 5230121.4/31

All: 18.118+/-0.002 χ^2/NDF: 10443217.7/65

- sign 18.658+/-0.003 χ^2/NDF: 5162174.1/33



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.5/15

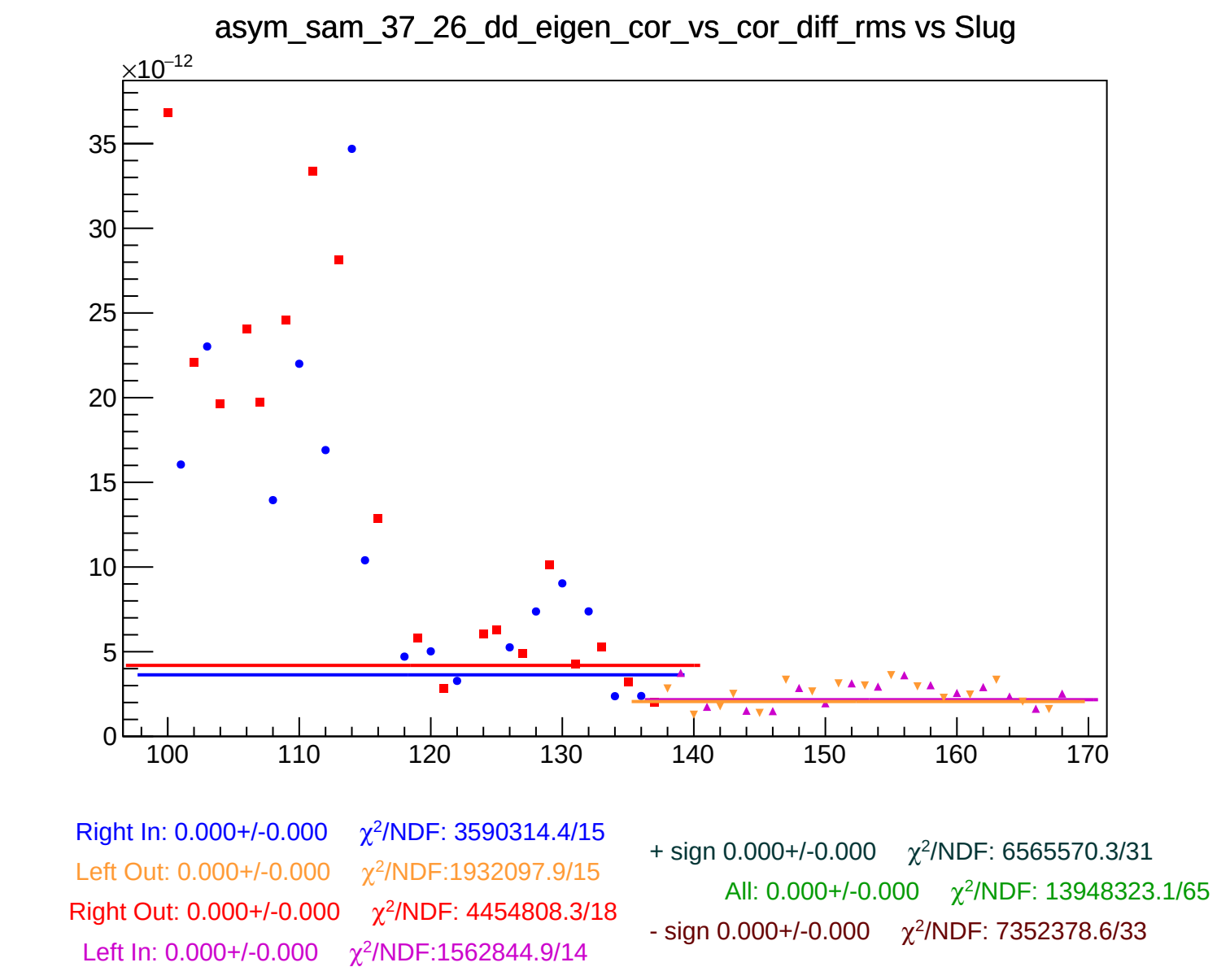
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:23.1/14

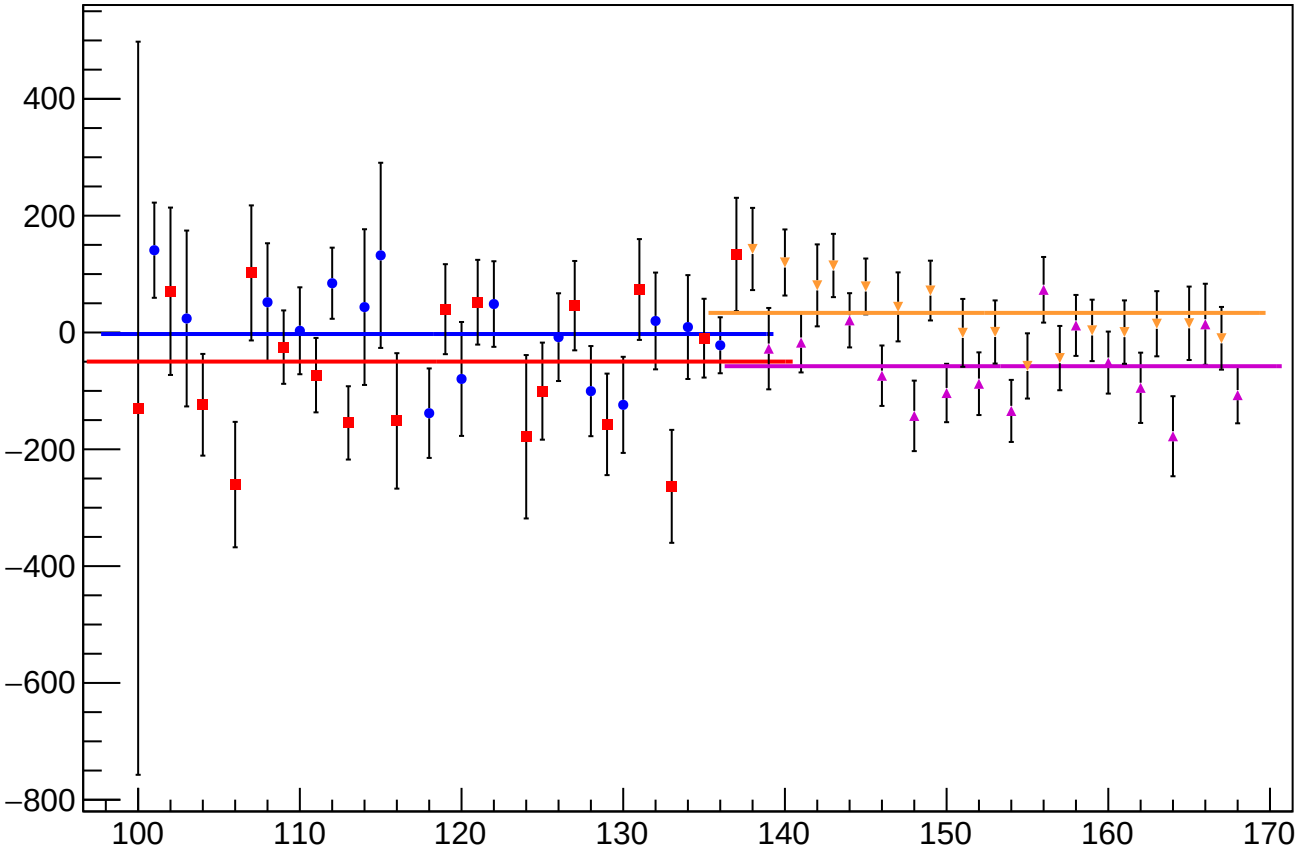
+ sign -0.000+/-0.000 χ^2/NDF: 25.5/31

All: -0.000+/-0.000 χ^2/NDF: 65.4/65

- sign -0.000+/-0.000 χ^2/NDF: 39.6/33


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:1932097.9/15
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1562844.9/14
+ sign 0.000+/-0.000 χ²/NDF: 6565570.3/31
All: 0.000+/-0.000 χ²/NDF: 13948323.1/65
- sign 0.000+/-0.000 χ²/NDF: 7352378.6/33

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 33.561+/-14.036 χ^2/NDF:15.8/15

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

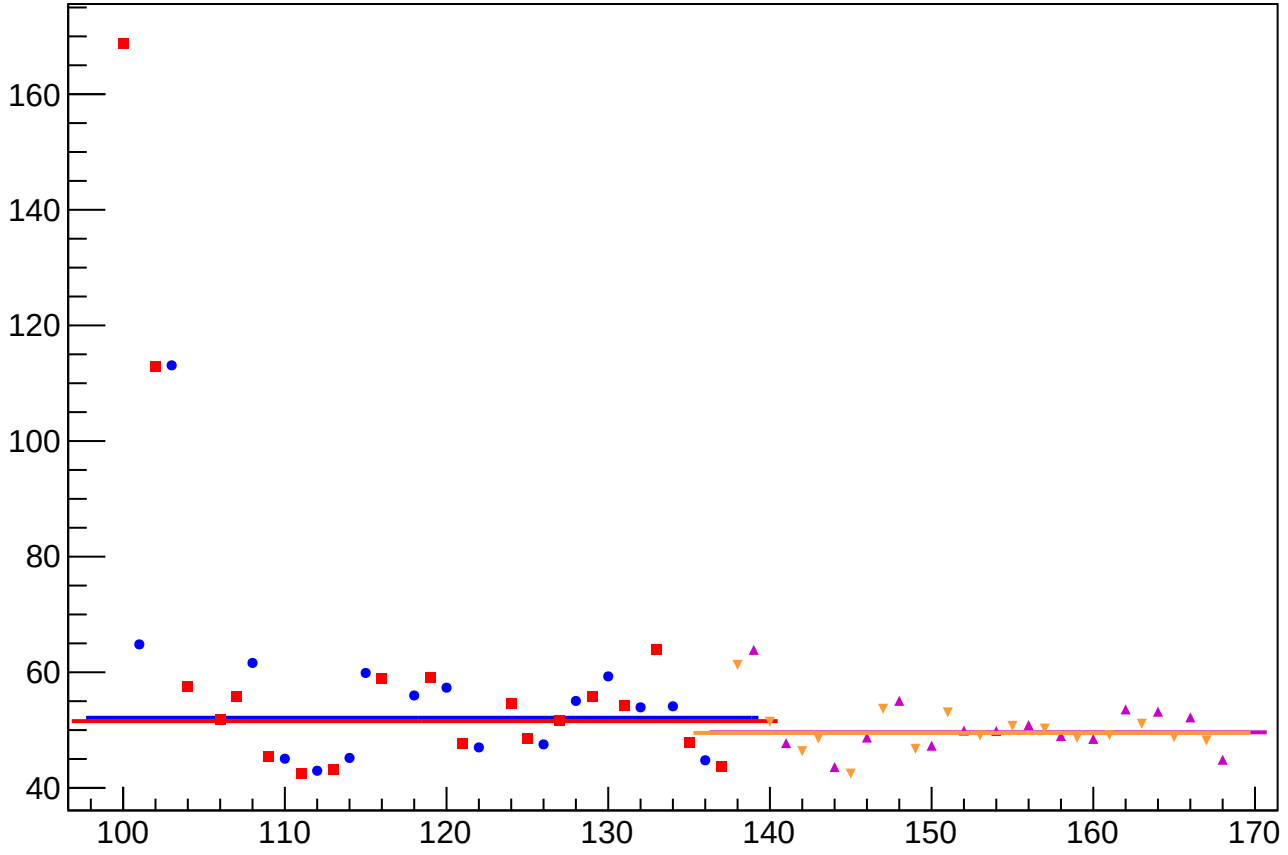
Left In: -57.714+/-14.190 χ^2/NDF:21.8/14

+ sign 21.619+/-11.488 χ^2/NDF: 32.6/31

All: -16.656+/-8.127 χ^2/NDF: 106.0/65

- sign -55.000+/-11.498 χ^2/NDF: 51.2/33

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.516+/-0.010 χ^2/NDF:134540.3/15

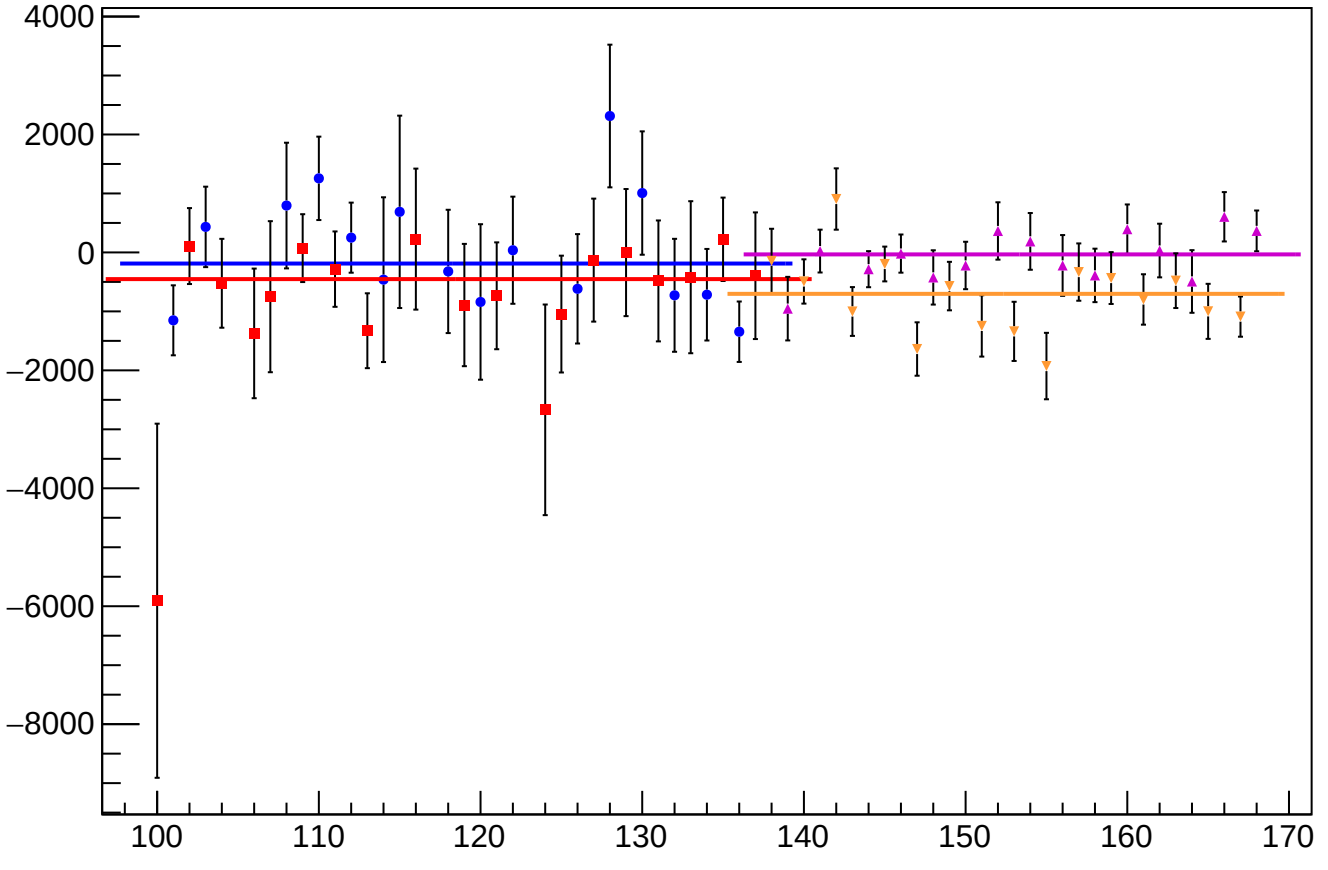
Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.614+/-0.010 χ^2/NDF:179710.6/14

+ sign 50.378+/-0.008 χ^2/NDF: 720335.7/31

All: 50.328+/-0.006 χ^2/NDF: 1552470.6/65

- sign 50.279+/-0.008 χ^2/NDF: 832060.0/33



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -702.526+/-107.933 χ^2/NDF:29.1/15

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

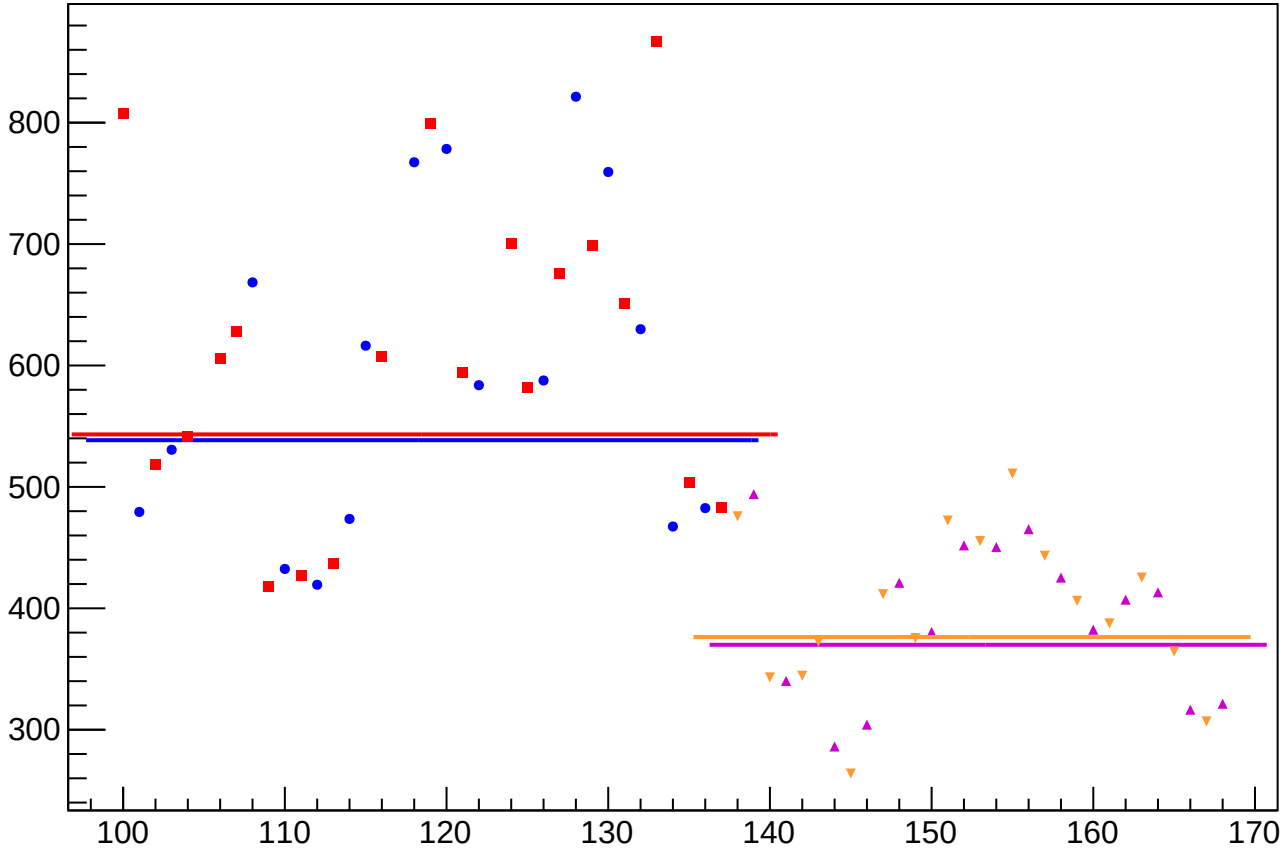
Left In: -33.517+/-106.913 χ^2/NDF:11.6/14

+ sign -591.663+/-95.586 χ^2/NDF: 55.4/31

All: -355.554+/-67.270 χ^2/NDF: 93.7/65

- sign -123.864+/-94.688 χ^2/NDF: 26.3/33

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 376.342+/-0.076 χ^2/NDF:780294.8/15

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

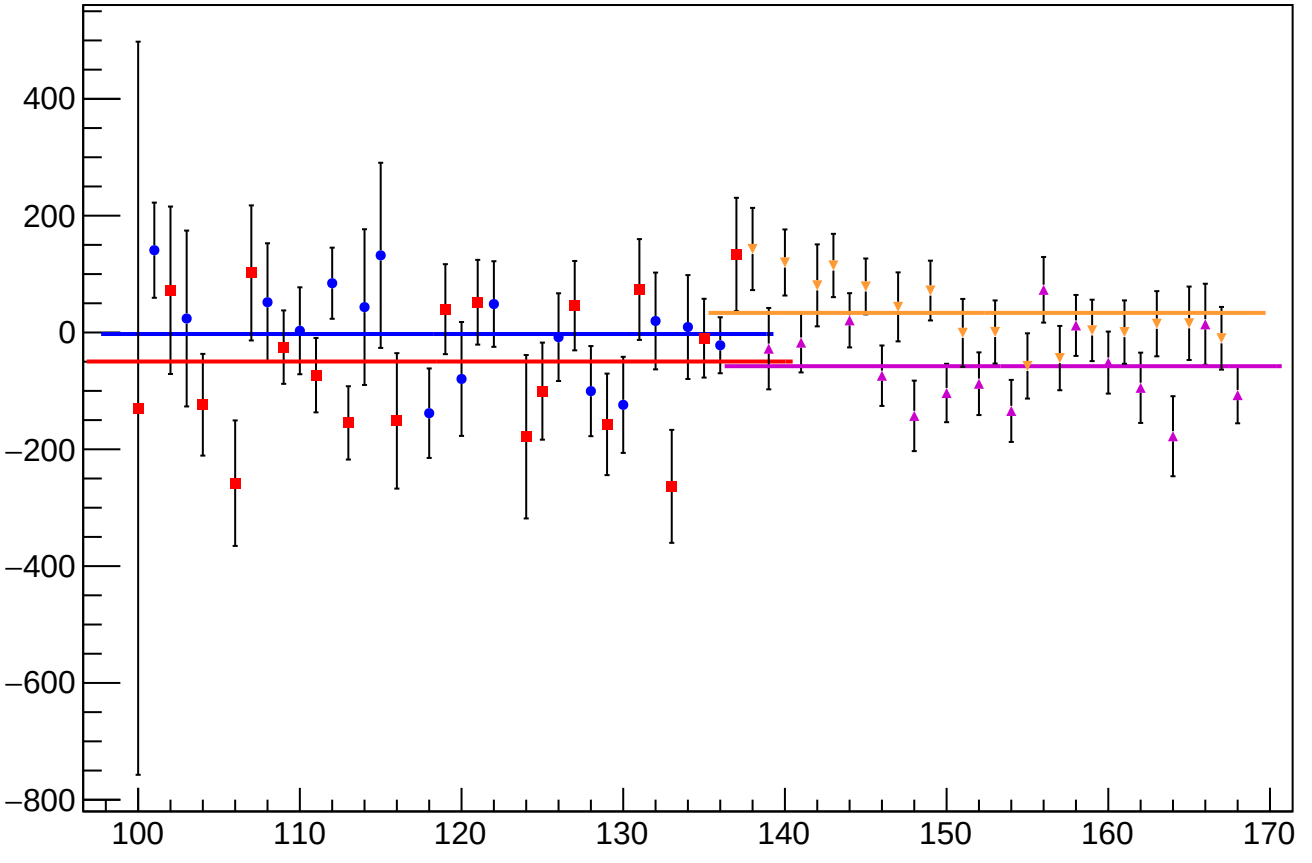
Left In: 369.965+/-0.076 χ^2/NDF:688944.3/14

+ sign 411.313+/-0.068 χ^2/NDF: 2367657.3/31

All: 409.301+/-0.048 χ^2/NDF: 4828217.6/65

- sign 407.326+/-0.067 χ^2/NDF: 2458803.7/33

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 33.563+/-14.036 χ^2/NDF:15.8/15

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

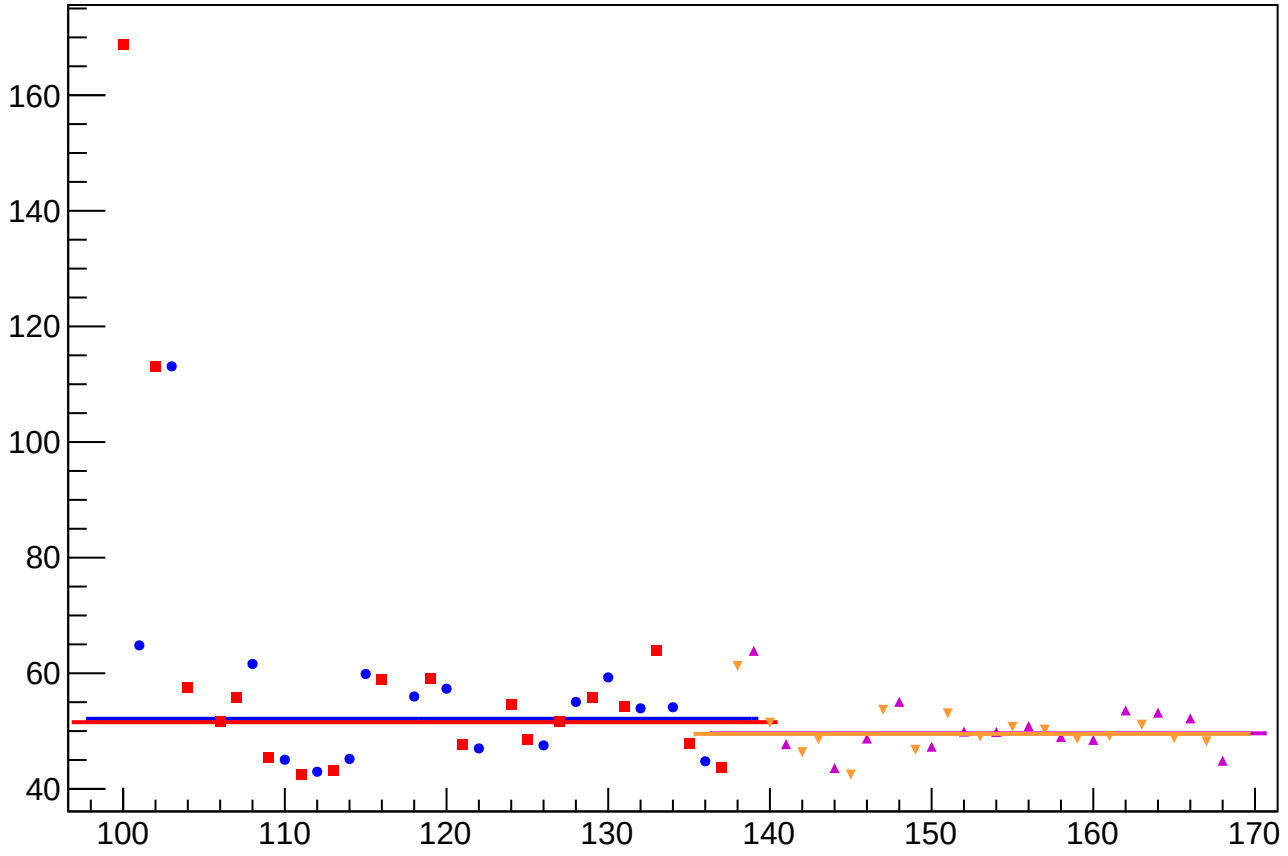
Left In: -57.713+/-14.190 χ^2/NDF:21.8/14

+ sign 21.620+/-11.488 χ^2/NDF: 32.6/31

All: -16.635+/-8.127 χ^2/NDF: 105.9/65

- sign -54.959+/-11.498 χ^2/NDF: 51.2/33

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.516+/-0.010 χ^2/NDF:134540.3/15

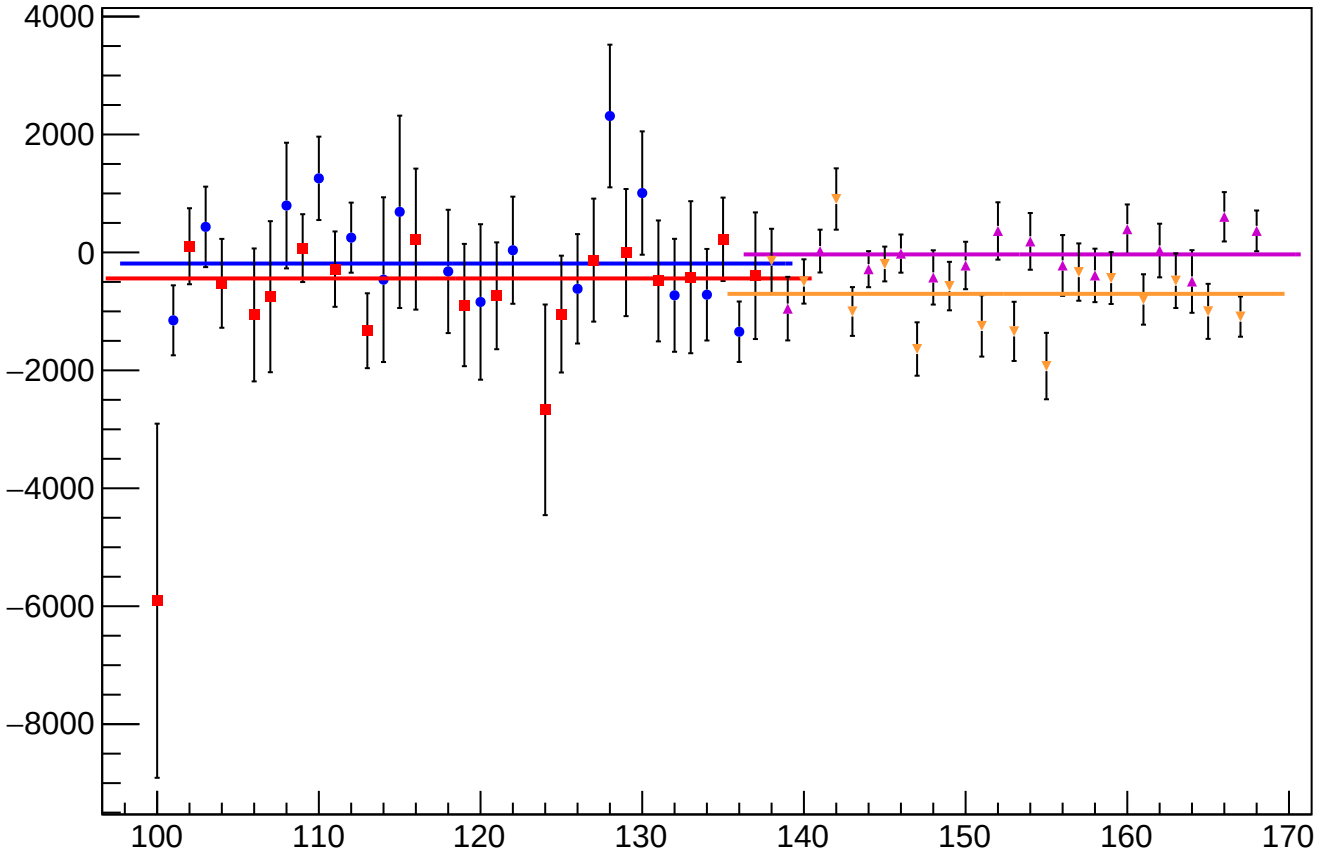
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.614+/-0.010 χ^2/NDF:179710.6/14

+ sign 50.378+/-0.008 χ^2/NDF: 720337.9/31

All: 50.327+/-0.006 χ^2/NDF: 1552562.0/65

- sign 50.275+/-0.008 χ^2/NDF: 832143.6/33



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -702.521+/-107.933 χ^2/NDF:29.1/15

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

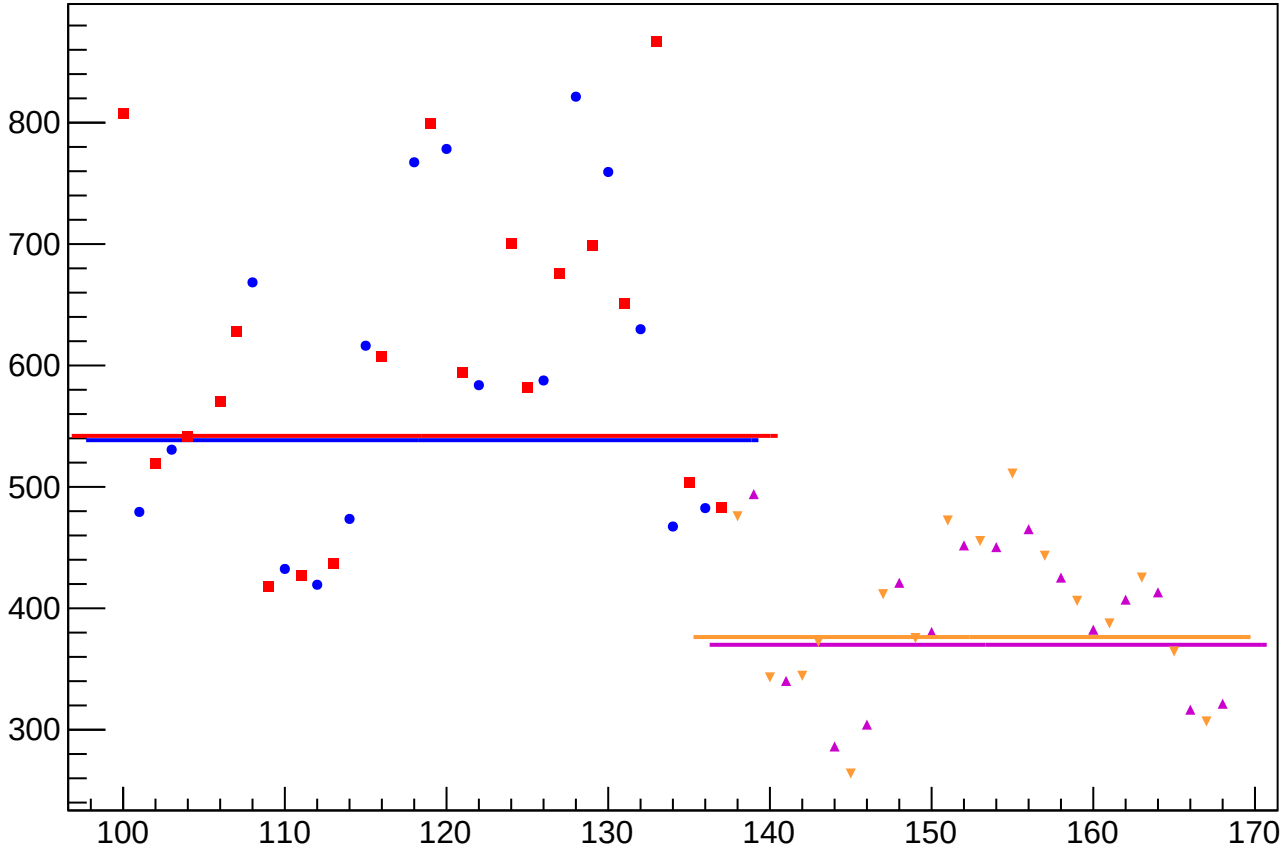
Left In: -33.519+/-106.913 χ^2/NDF:11.6/14

+ sign -591.656+/-95.587 χ^2/NDF: 55.4/31

All: -354.296+/-67.277 χ^2/NDF: 93.2/65

- sign -121.284+/-94.707 χ^2/NDF: 25.7/33

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 376.342+/-0.076 χ^2/NDF:780299.6/15

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

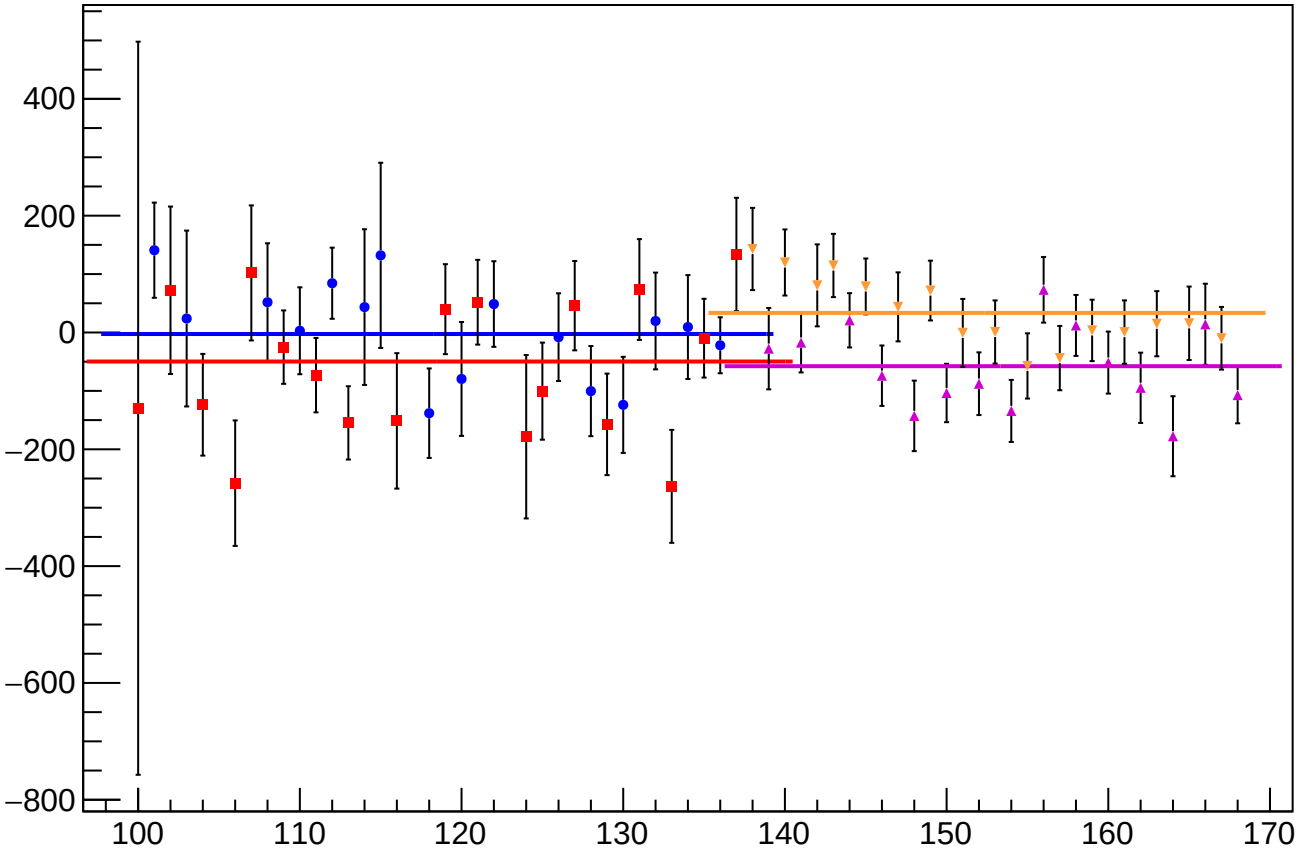
Left In: 369.965+/-0.076 χ^2/NDF:688942.4/14

+ sign 411.313+/-0.068 χ^2/NDF: 2367709.7/31

All: 409.141+/-0.048 χ^2/NDF: 4805498.8/65

- sign 407.008+/-0.067 χ^2/NDF: 2435741.7/33

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 33.563+/-14.036 χ^2/NDF:15.8/15

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

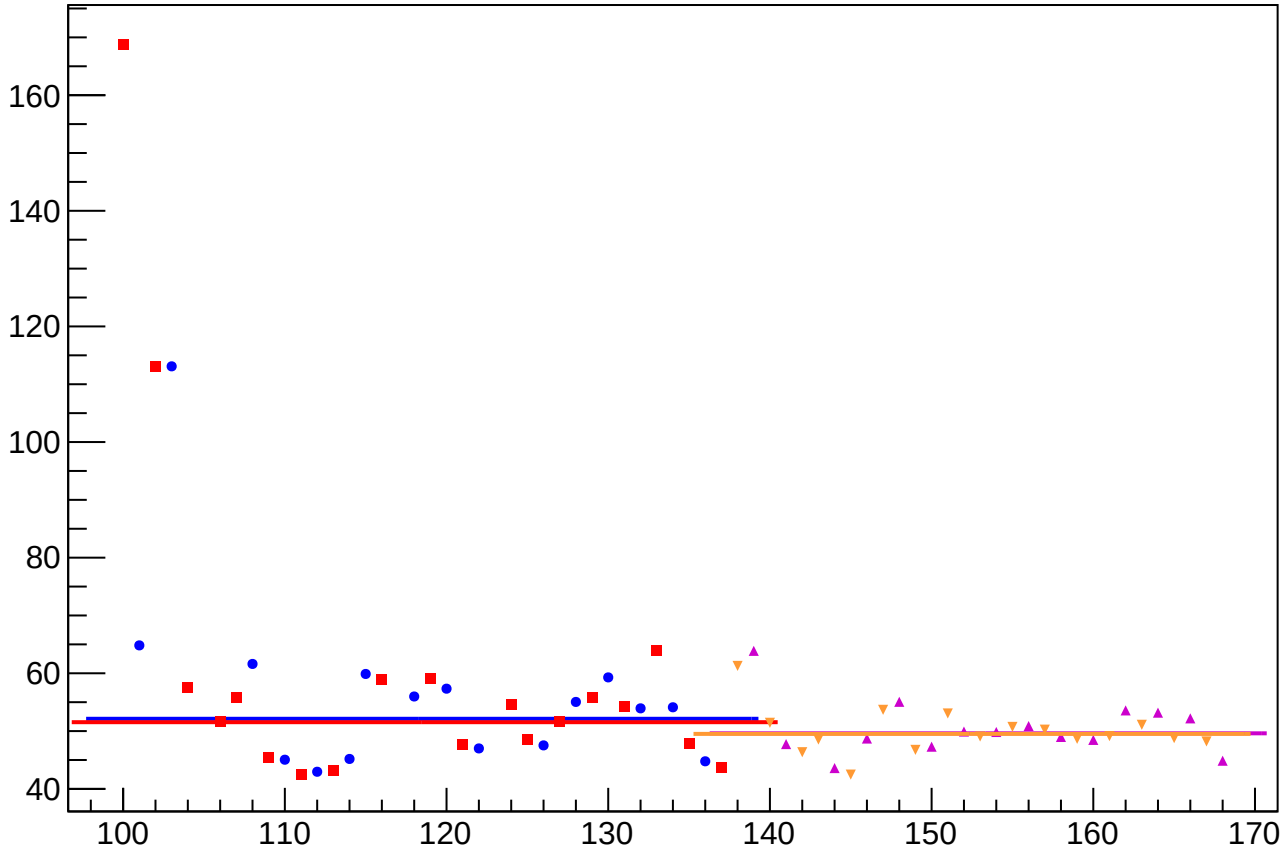
Left In: -57.713+/-14.190 χ^2/NDF:21.8/14

+ sign 21.620+/-11.488 χ^2/NDF: 32.6/31

All: -16.635+/-8.127 χ^2/NDF: 105.9/65

- sign -54.959+/-11.498 χ^2/NDF: 51.2/33

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.516+/-0.010 χ^2/NDF:134540.3/15

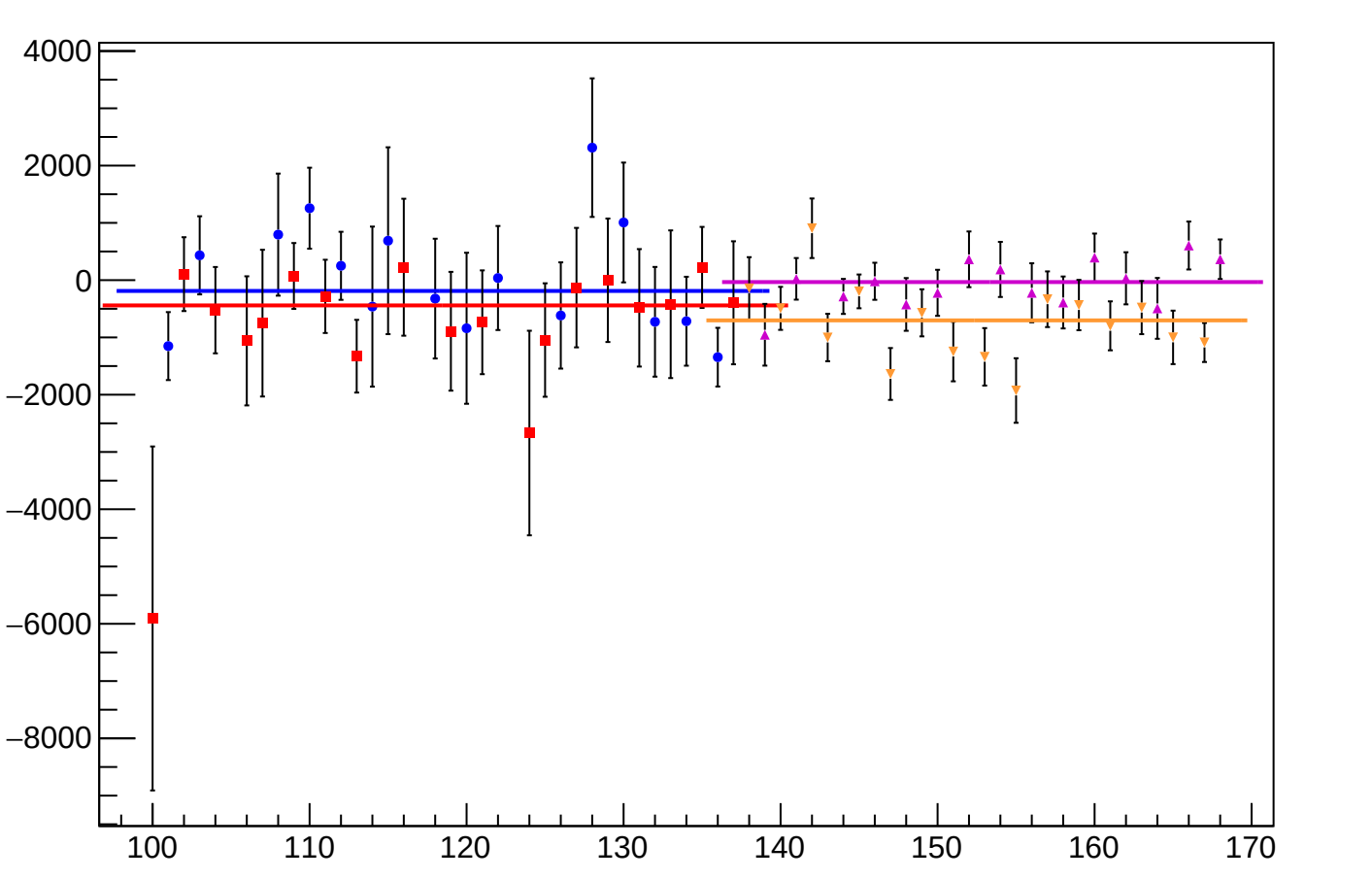
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.614+/-0.010 χ^2/NDF:179710.6/14

+ sign 50.378+/-0.008 χ^2/NDF: 720337.9/31

All: 50.327+/-0.006 χ^2/NDF: 1552562.0/65

- sign 50.275+/-0.008 χ^2/NDF: 832143.6/33



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -702.521+/-107.933 χ^2/NDF:29.1/15

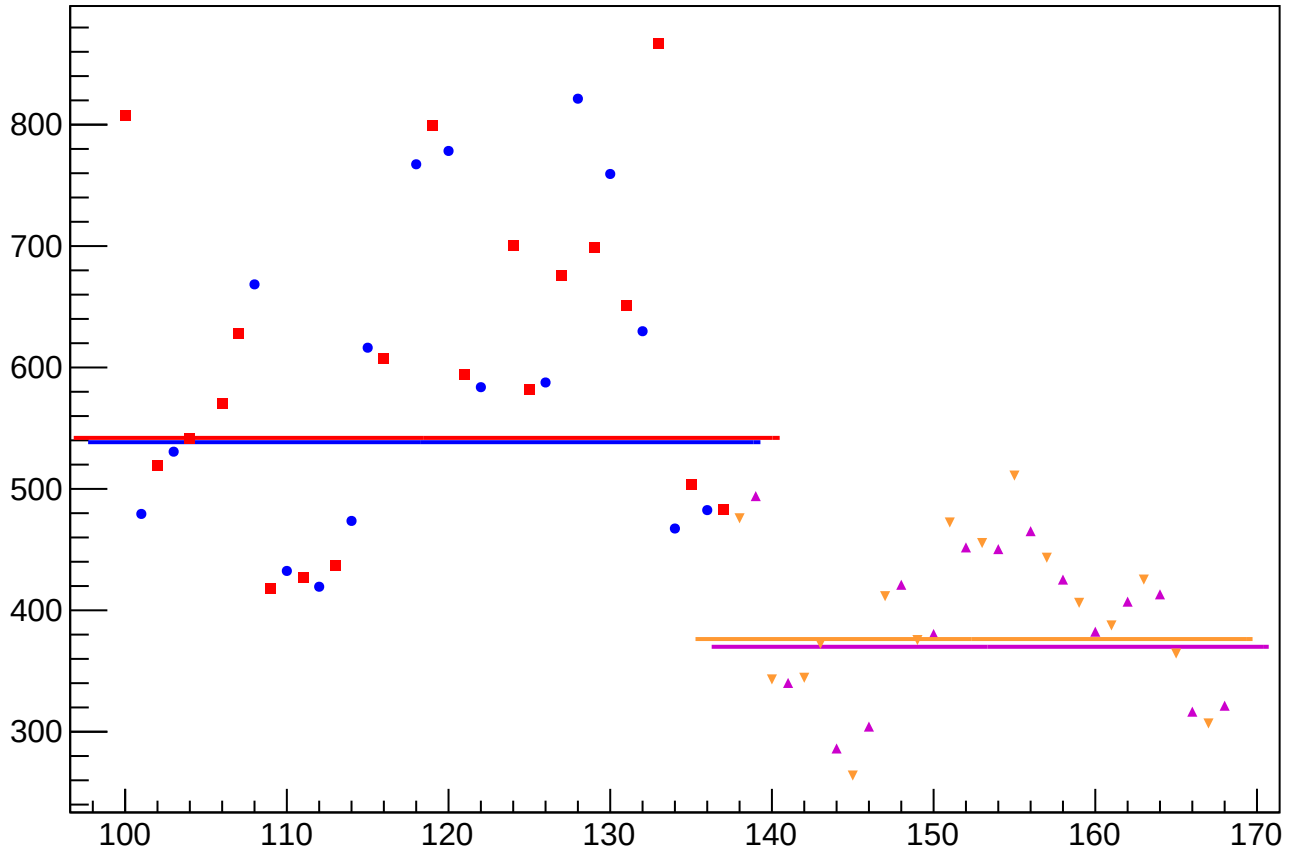
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -33.519+/-106.913 χ^2/NDF:11.6/14

+ sign -591.656+/-95.587 χ^2/NDF: 55.4/31

All: -354.296+/-67.277 χ^2/NDF: 93.2/65

- sign -121.284+/-94.707 χ^2/NDF: 25.7/33



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 376.342+/-0.076 χ^2/NDF:780299.6/15

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

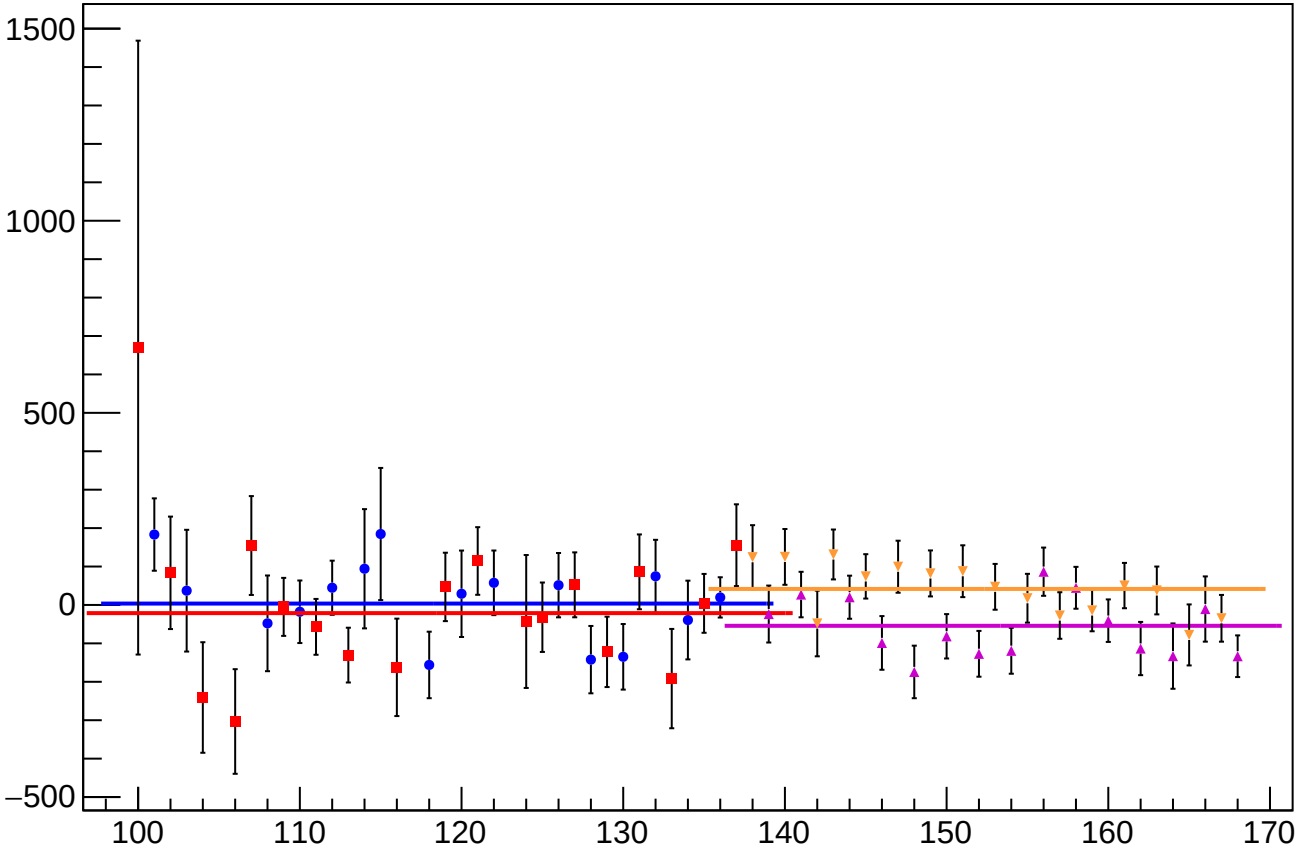
Left In: 369.965+/-0.076 χ^2/NDF:688942.4/14

+ sign 411.313+/-0.068 χ^2/NDF: 2367709.7/31

All: 409.141+/-0.048 χ^2/NDF: 4805498.8/65

- sign 407.008+/-0.067 χ^2/NDF: 2435741.7/33

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 41.678+/-16.136 χ^2/NDF:13.7/15

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

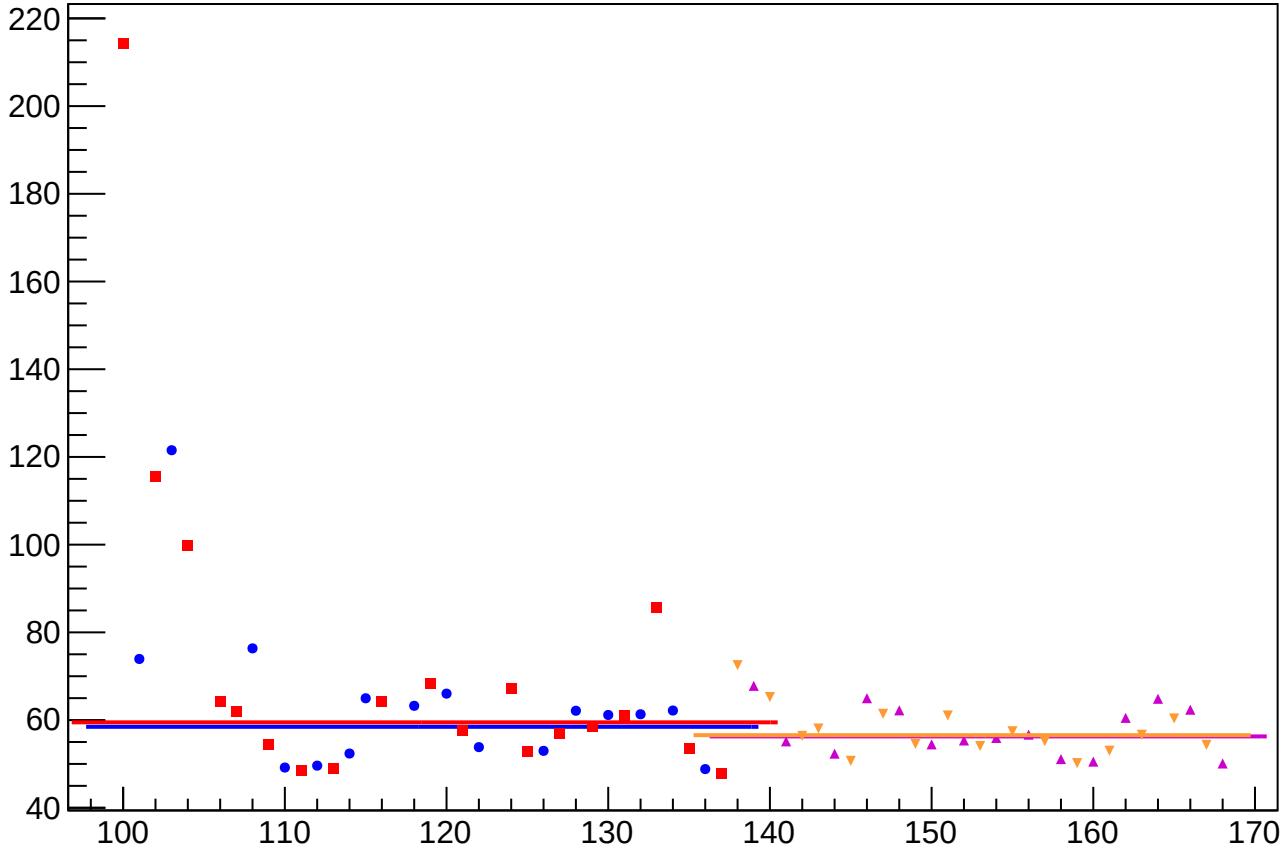
Left In: -54.269+/-16.205 χ^2/NDF:22.6/14

+ sign 28.729+/-13.109 χ^2/NDF: 31.7/31

All: -6.963+/-9.302 χ^2/NDF: 95.1/65

- sign -43.168+/-13.202 χ^2/NDF: 48.4/33

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 56.557+/-0.011 χ^2/NDF:192178.4/15

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

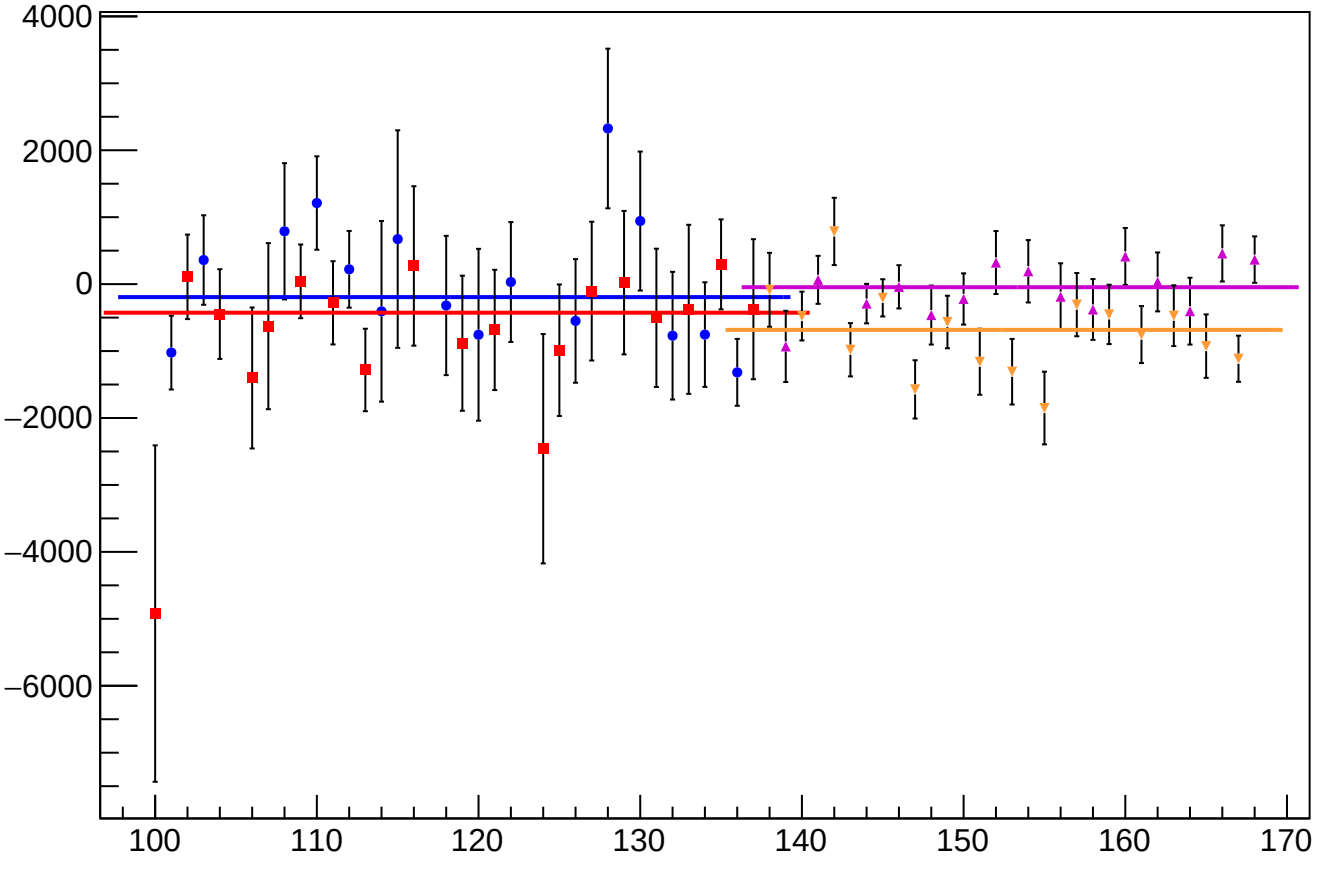
Left In: 56.274+/-0.011 χ^2/NDF:211309.9/14

+ sign 57.206+/-0.009 χ^2/NDF: 784673.6/31

All: 57.279+/-0.007 χ^2/NDF: 1807374.8/65

- sign 57.353+/-0.009 χ^2/NDF: 1022575.7/33

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -683.443+/-105.258 χ^2/NDF:28.0/15

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

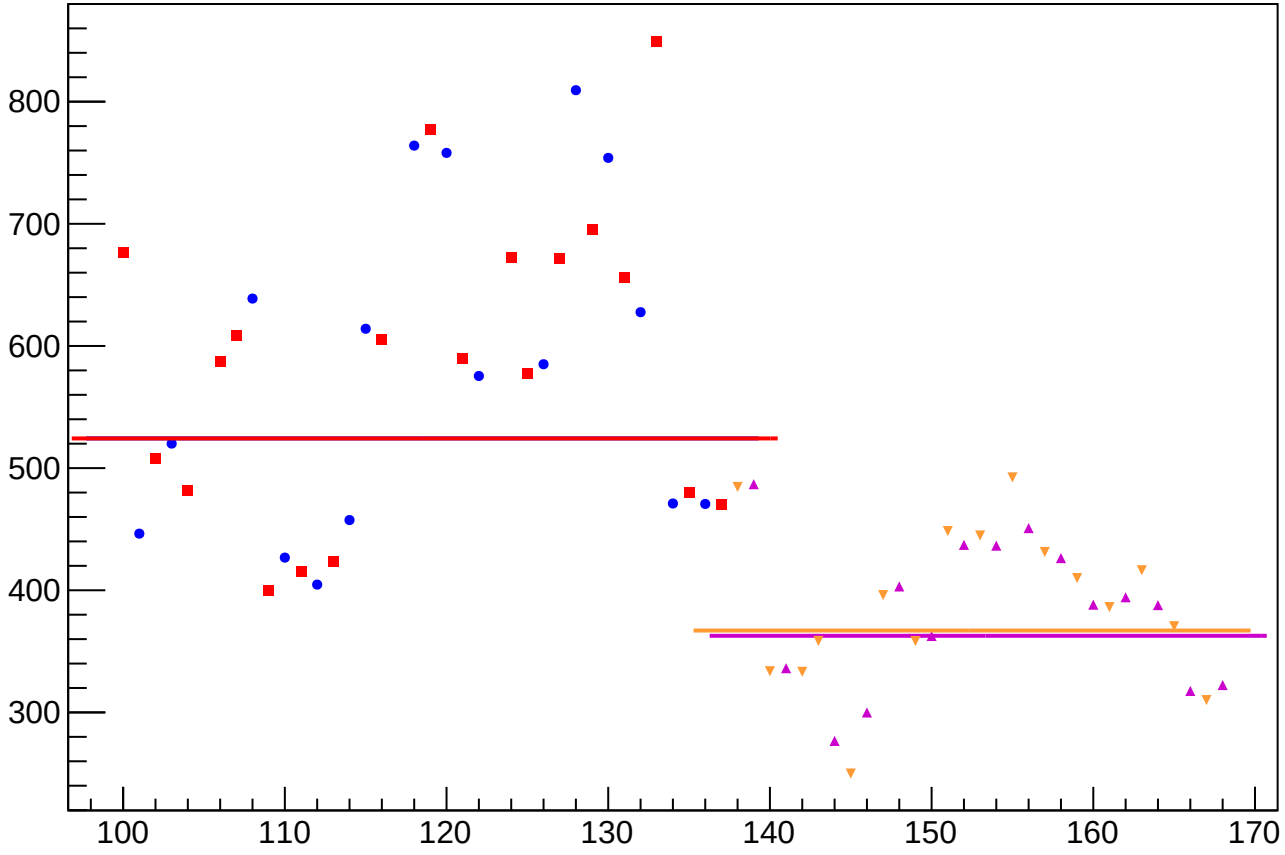
Left In: -45.775+/-104.797 χ^2/NDF:10.7/14

+ sign -577.759+/-93.207 χ^2/NDF: 53.5/31

All: -352.153+/-65.663 χ^2/NDF: 90.0/65

- sign -129.853+/-92.521 χ^2/NDF: 25.0/33

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 367.052+/-0.074 χ^2/NDF:831464.6/15

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

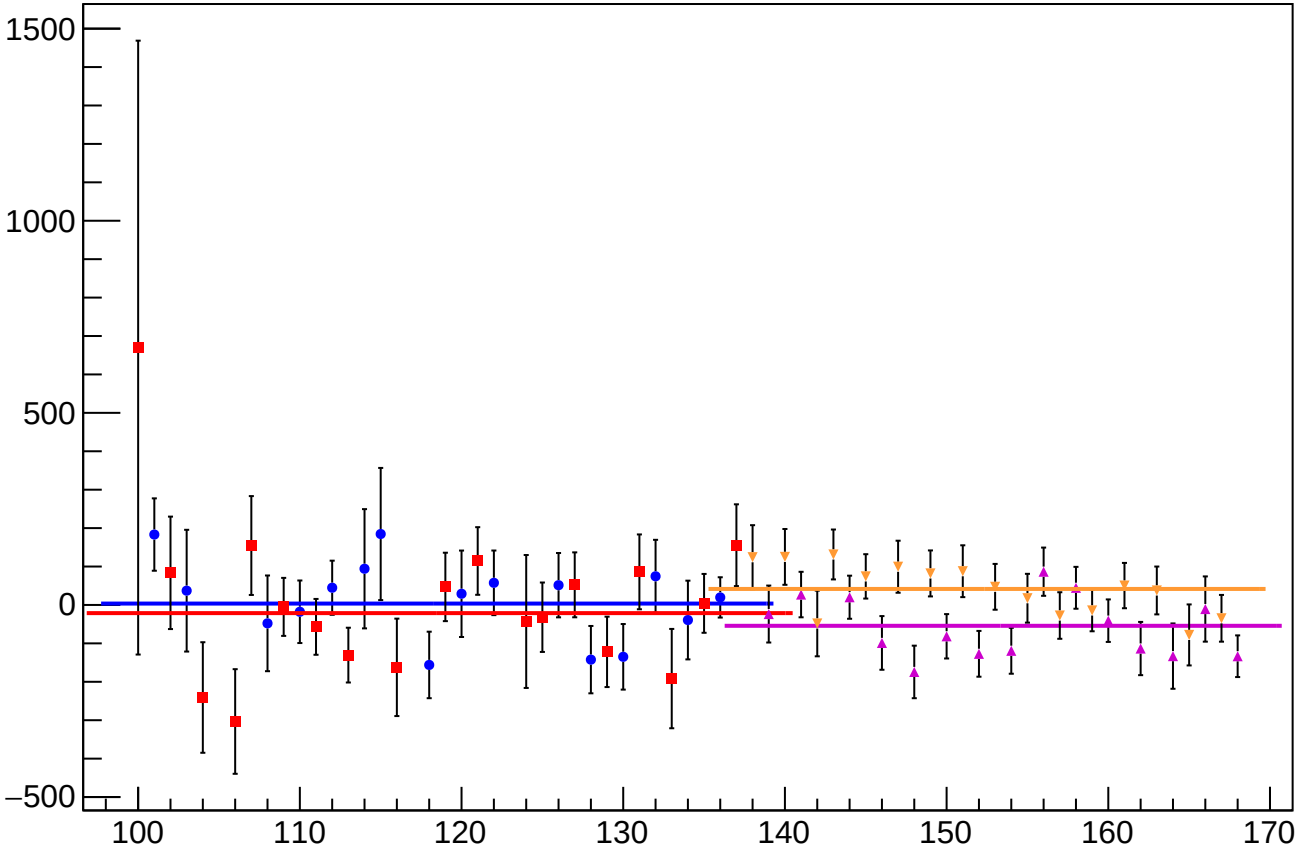
Left In: 362.736+/-0.074 χ^2/NDF:657025.1/14

+ sign 401.005+/-0.066 χ^2/NDF: 2453895.3/31

All: 399.679+/-0.046 χ^2/NDF: 4846314.0/65

- sign 398.372+/-0.065 χ^2/NDF: 2391615.2/33

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 41.679+/-16.136 χ^2/NDF:13.7/15

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

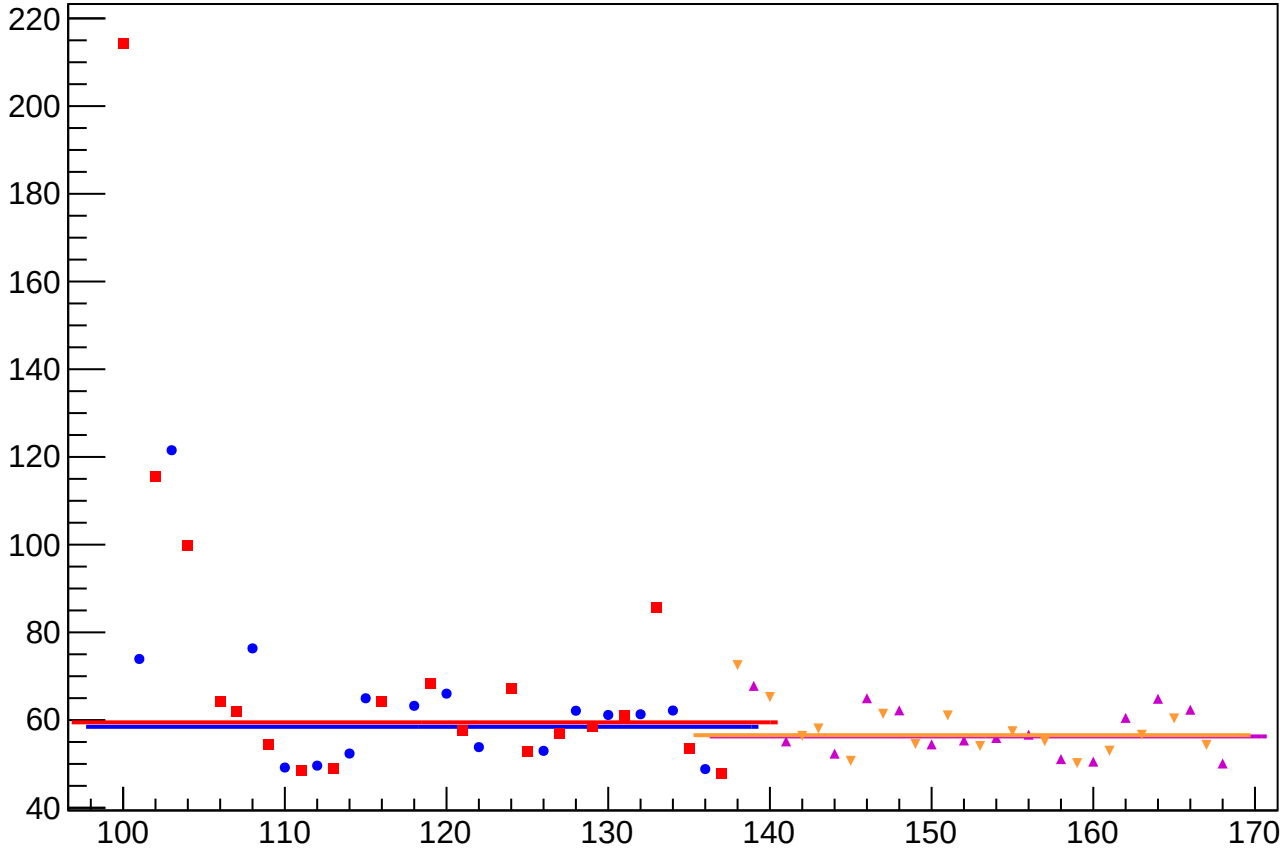
Left In: -54.269+/-16.205 χ^2/NDF:22.6/14

+ sign 28.730+/-13.109 χ^2/NDF: 31.7/31

All: -6.963+/-9.302 χ^2/NDF: 95.1/65

- sign -43.168+/-13.202 χ^2/NDF: 48.4/33

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 56.557+/-0.011 χ^2/NDF:192183.3/15

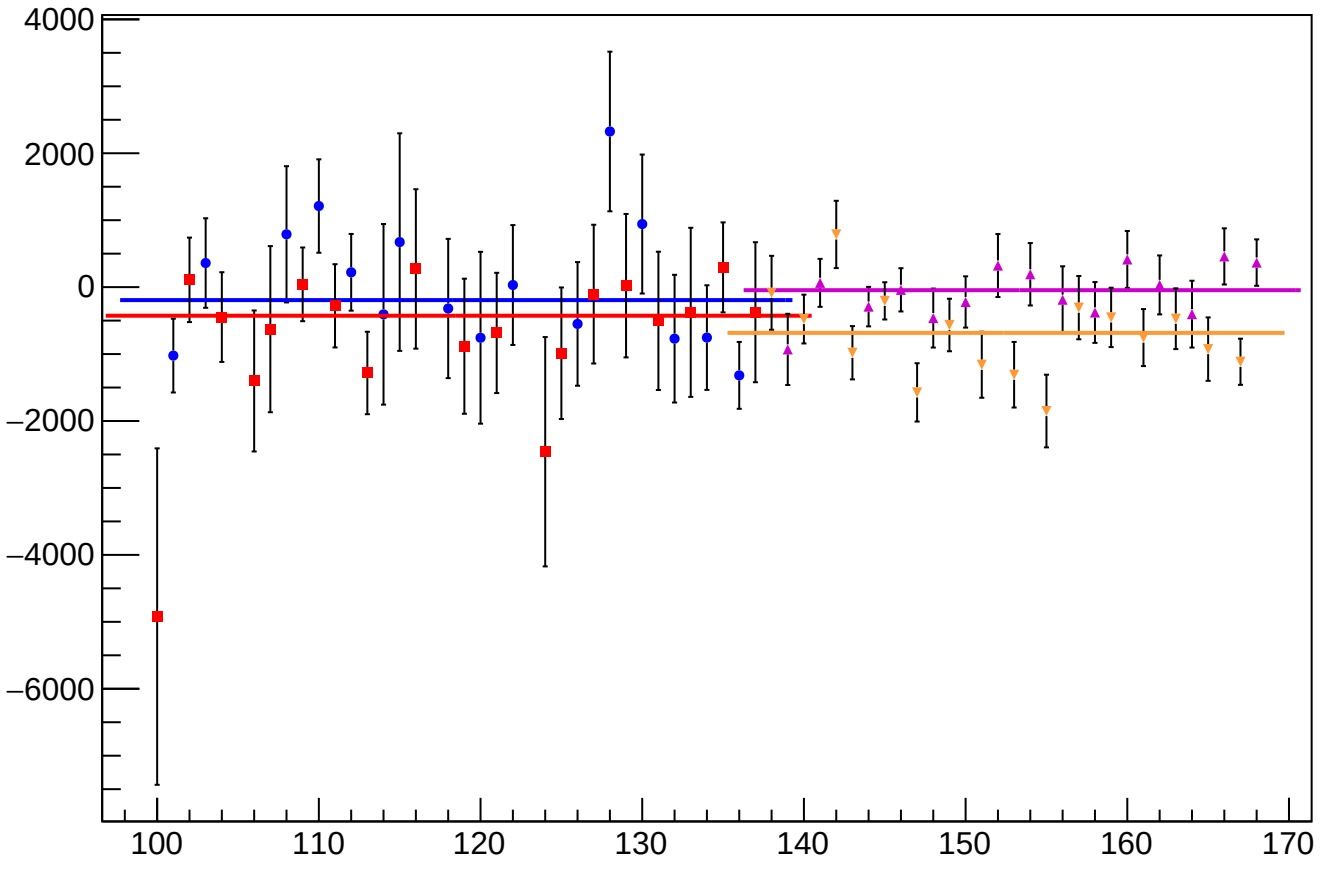
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.274+/-0.011 χ^2/NDF:211312.8/14

+ sign 57.206+/-0.009 χ^2/NDF: 784674.3/31

All: 57.279+/-0.007 χ^2/NDF: 1807378.3/65

- sign 57.354+/-0.009 χ^2/NDF: 1022578.5/33



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -683.443+/-105.258 χ^2/NDF:28.0/15

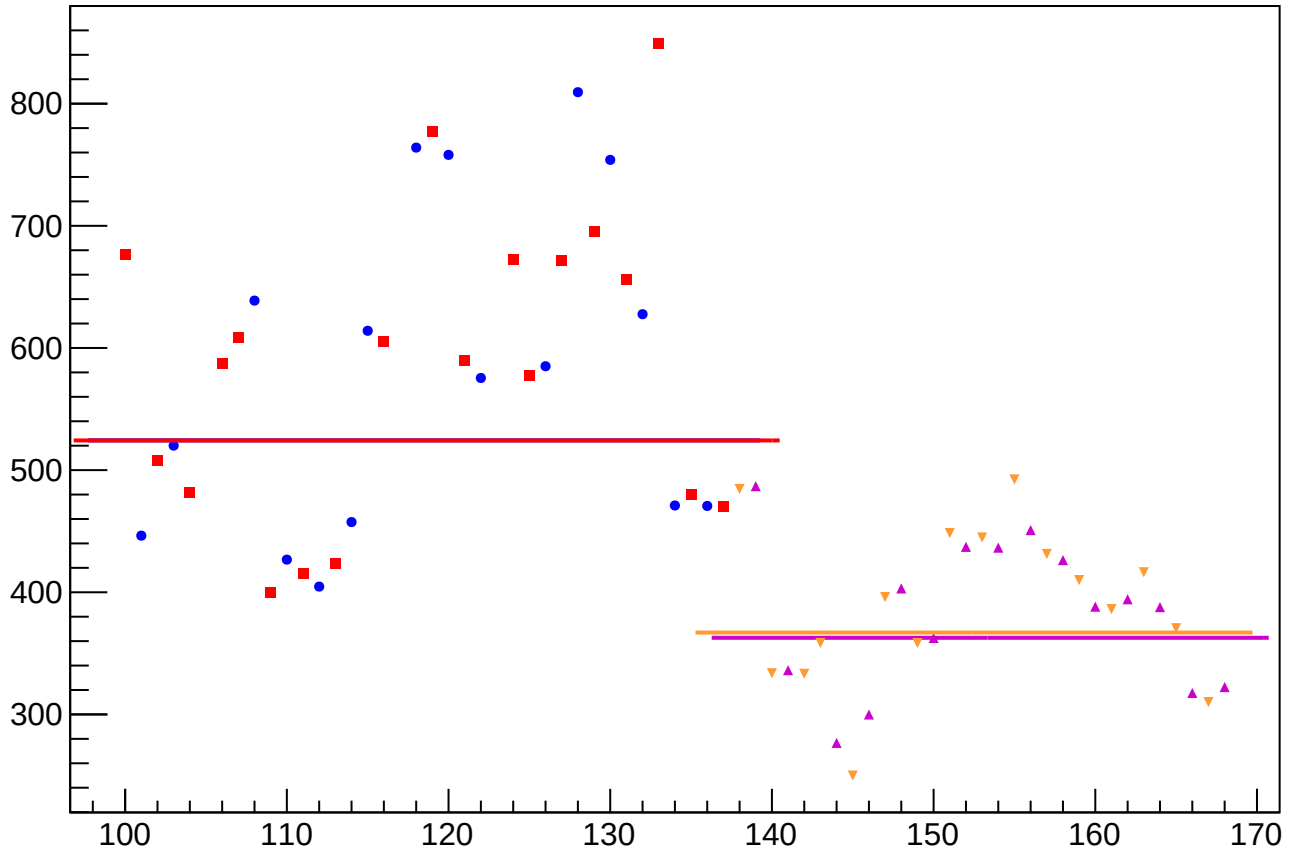
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -45.775+/-104.797 χ^2/NDF:10.7/14

+ sign -577.759+/-93.207 χ^2/NDF: 53.5/31

All: -352.153+/-65.663 χ^2/NDF: 90.0/65

- sign -129.853+/-92.521 χ^2/NDF: 25.0/33



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 367.051+/-0.074 χ^2/NDF:831461.6/15

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

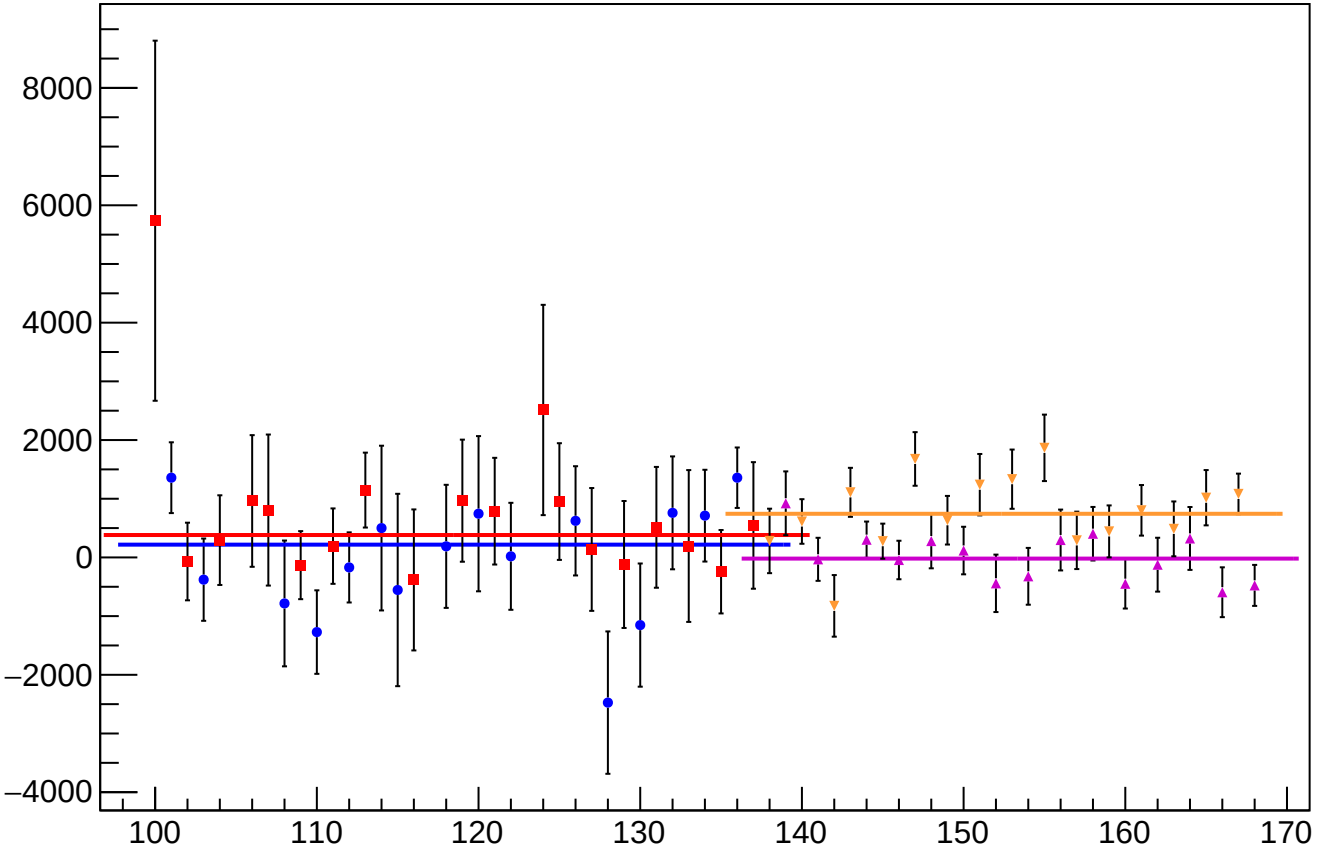
Left In: 362.736+/-0.074 χ^2/NDF:657022.0/14

+ sign 401.004+/-0.066 χ^2/NDF: 2453891.6/31

All: 399.678+/-0.046 χ^2/NDF: 4846303.9/65

- sign 398.372+/-0.065 χ^2/NDF: 2391608.8/33

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 743.505+/-108.933 χ^2/NDF:26.4/15

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

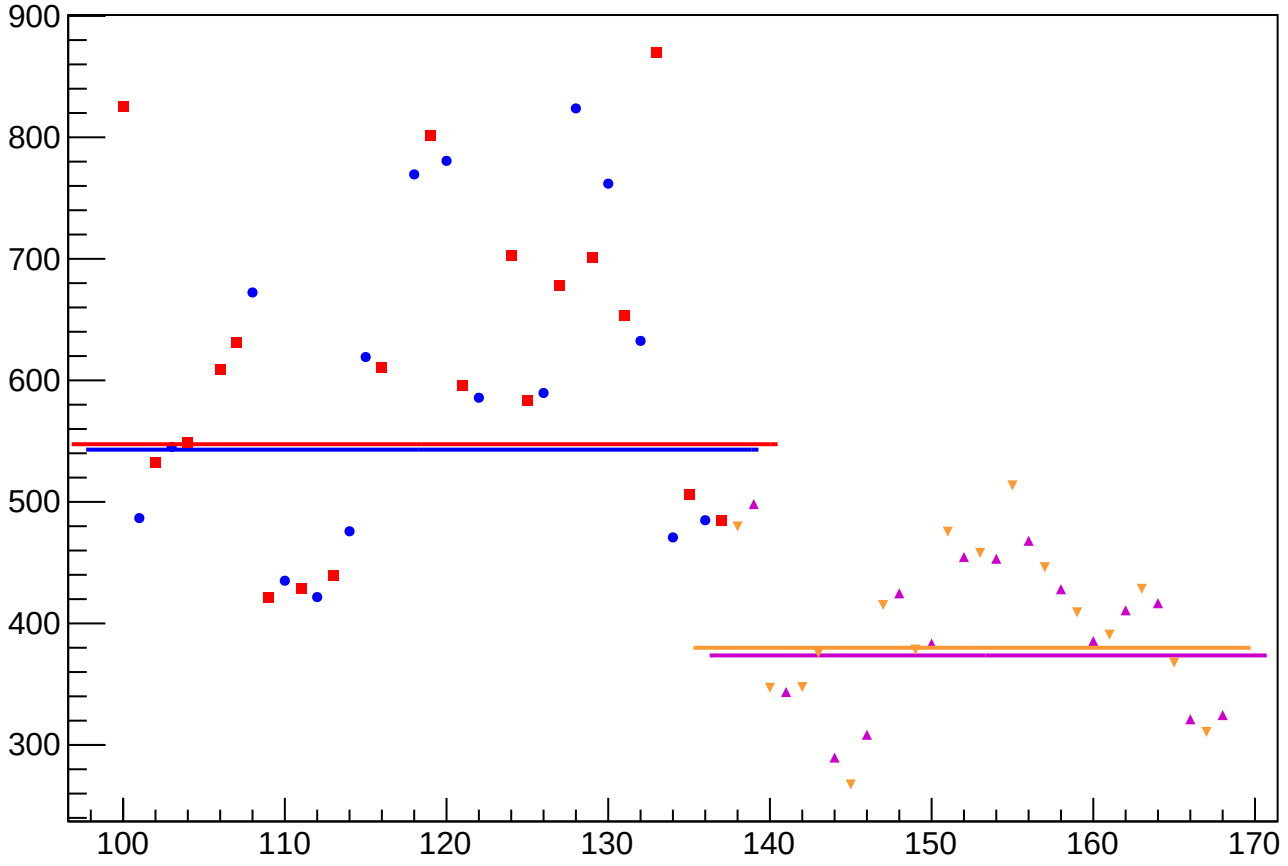
Left In: -19.940+/-107.940 χ^2/NDF:12.0/14

+ sign 629.906+/-96.449 χ^2/NDF: 54.3/31

All: 345.811+/-67.886 χ^2/NDF: 96.5/65

- sign 66.882+/-95.568 χ^2/NDF: 25.0/33

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 379.986+/-0.077 χ^2/NDF:760155.7/15

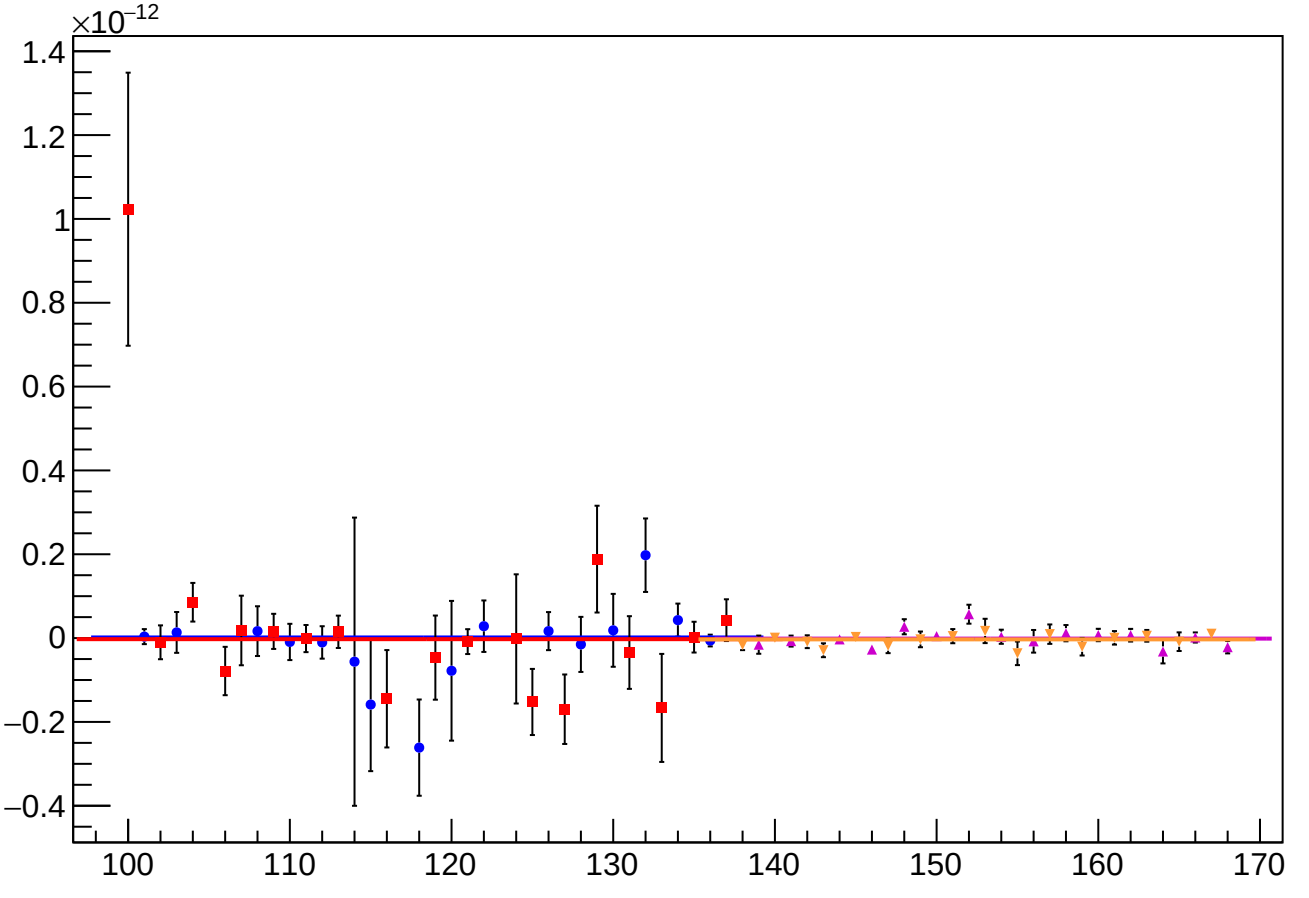
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 373.670+/-0.076 χ^2/NDF:671620.9/14

+ sign 415.208+/-0.068 χ^2/NDF: 2333101.0/31

All: 413.199+/-0.048 χ^2/NDF: 4757156.9/65

- sign 411.226+/-0.068 χ^2/NDF: 2422335.3/33



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

Left Out: -0.000+/-0.000 χ^2/NDF:10.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

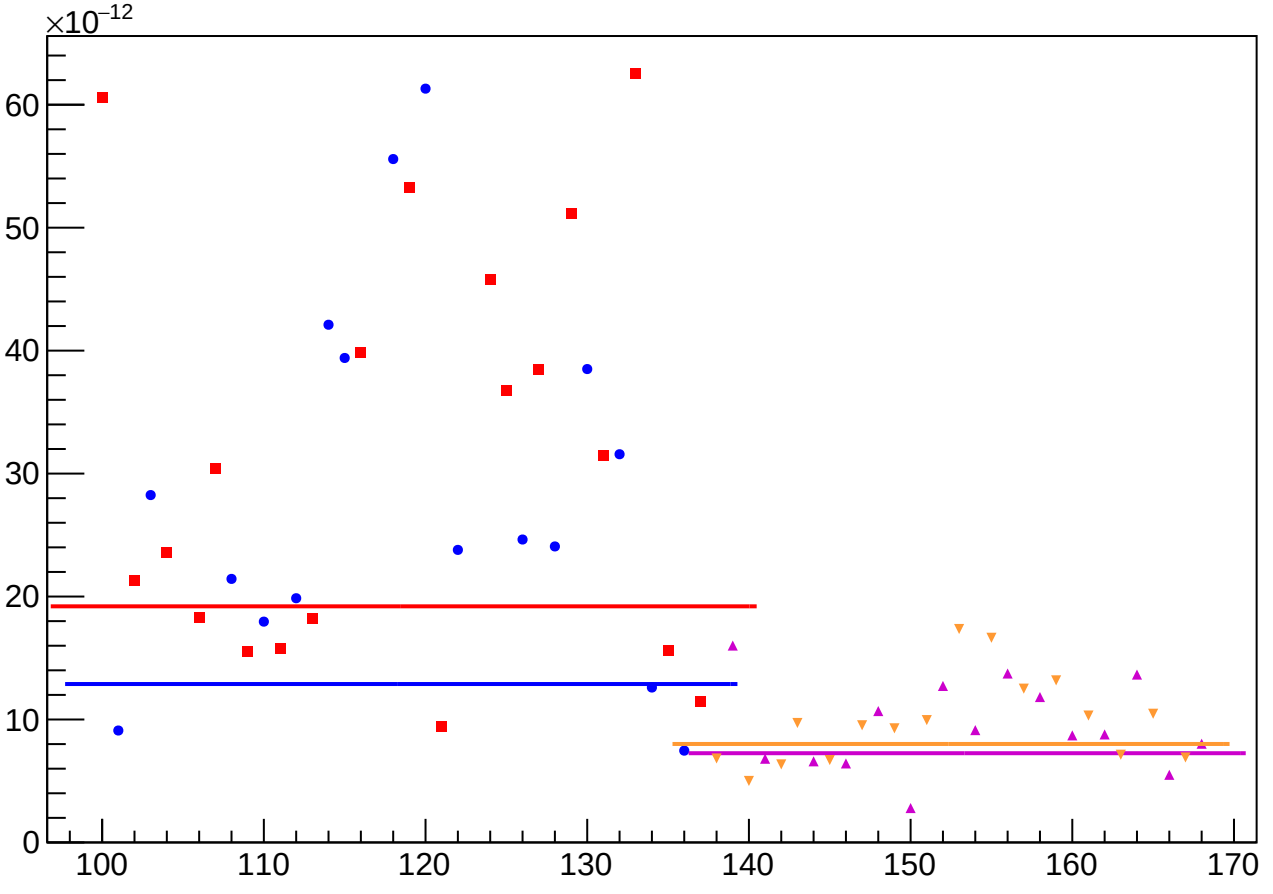
Left In: -0.000+/-0.000 χ^2/NDF:20.0/14

+ sign -0.000+/-0.000 χ^2/NDF: 23.8/31

All: -0.000+/-0.000 χ^2/NDF: 73.9/65

- sign -0.000+/-0.000 χ^2/NDF: 50.1/33

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1054185.5/15

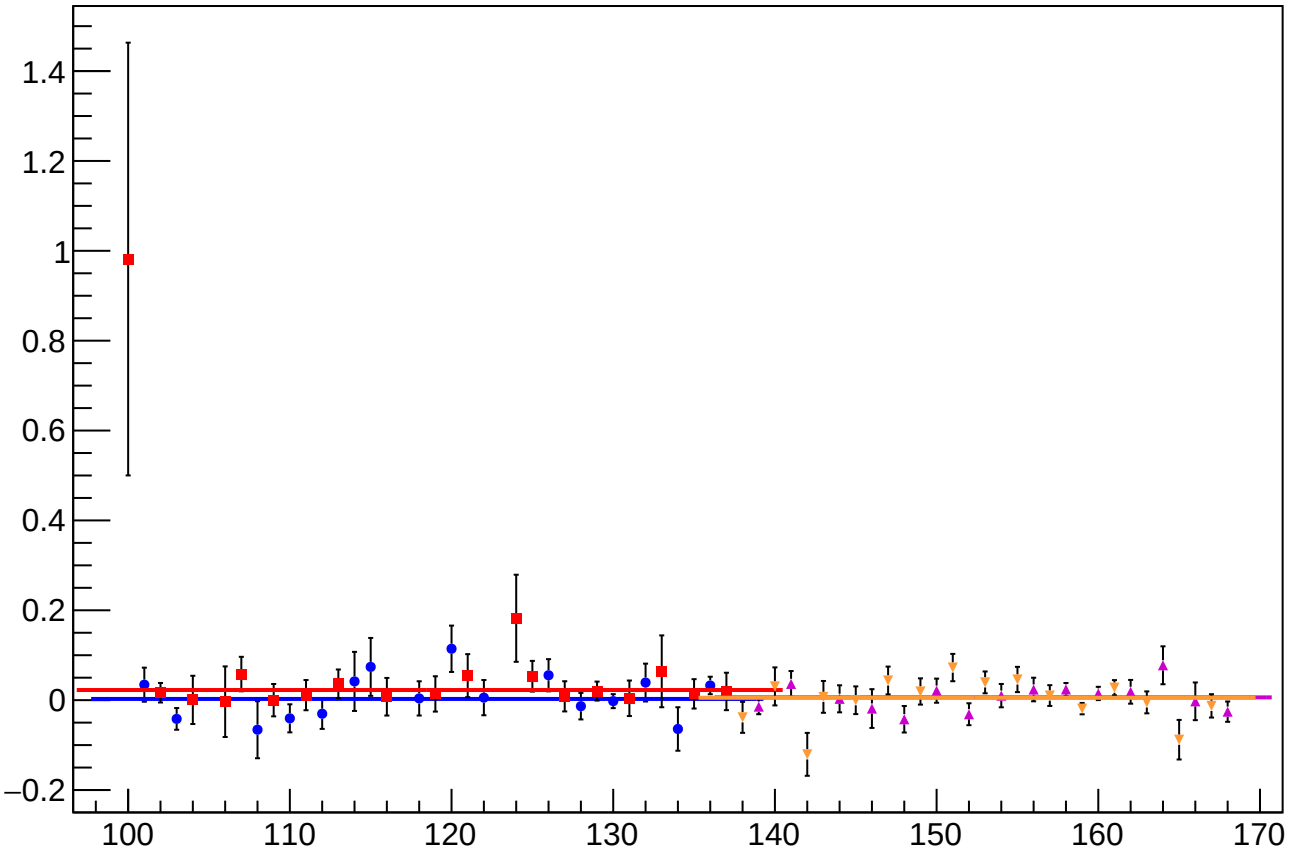
Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1549990.5/14

+ sign 0.000+/-0.000 χ^2/NDF: 3305082.5/31

All: 0.000+/-0.000 χ^2/NDF: 8016015.1/65

- sign 0.000+/-0.000 χ^2/NDF: 4693627.6/33



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.005+/-0.006 χ^2/NDF:30.3/15

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

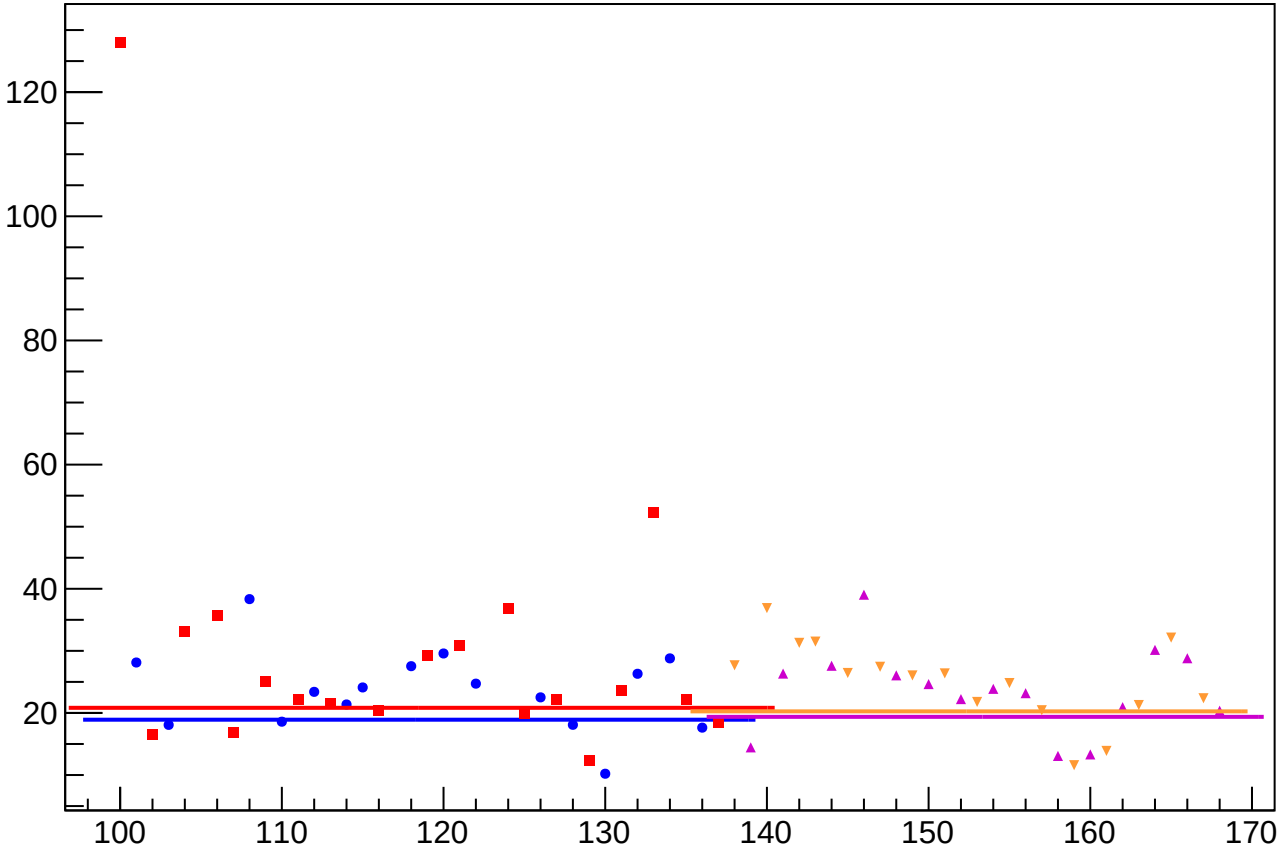
Left In: 0.006+/-0.006 χ^2/NDF:15.8/14

+ sign 0.004+/-0.005 χ^2/NDF: 52.3/31

All: 0.008+/-0.003 χ^2/NDF: 82.5/65

- sign 0.012+/-0.005 χ^2/NDF: 29.0/33

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: 20.253+/-0.004 χ^2/NDF:2503634.5/15

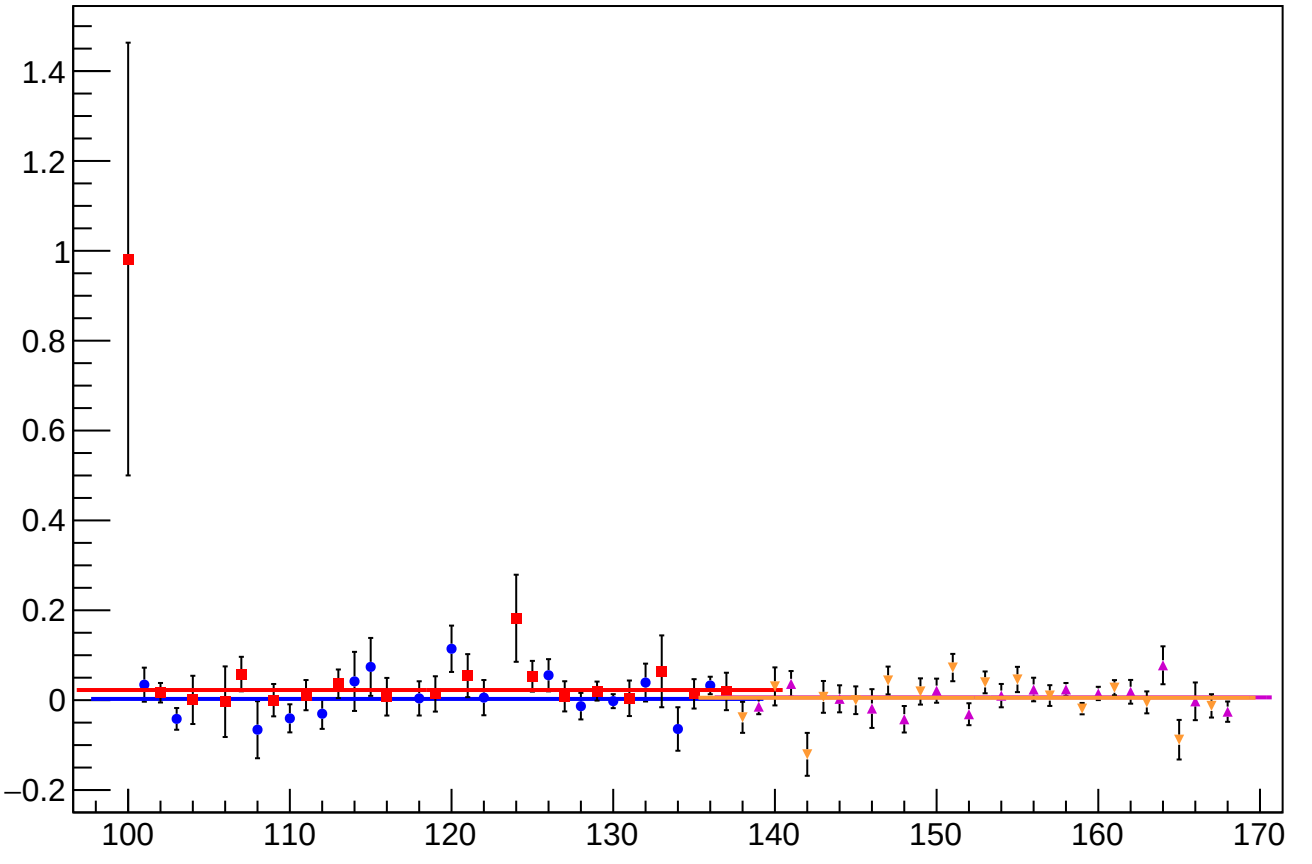
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.372+/-0.004 χ^2/NDF:2131138.8/14

+ sign 19.724+/-0.003 χ^2/NDF: 3929801.8/31

All: 19.793+/-0.002 χ^2/NDF: 7392562.7/65

- sign 19.862+/-0.003 χ^2/NDF: 3461965.7/33



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.005+/-0.006 χ^2/NDF:30.3/15

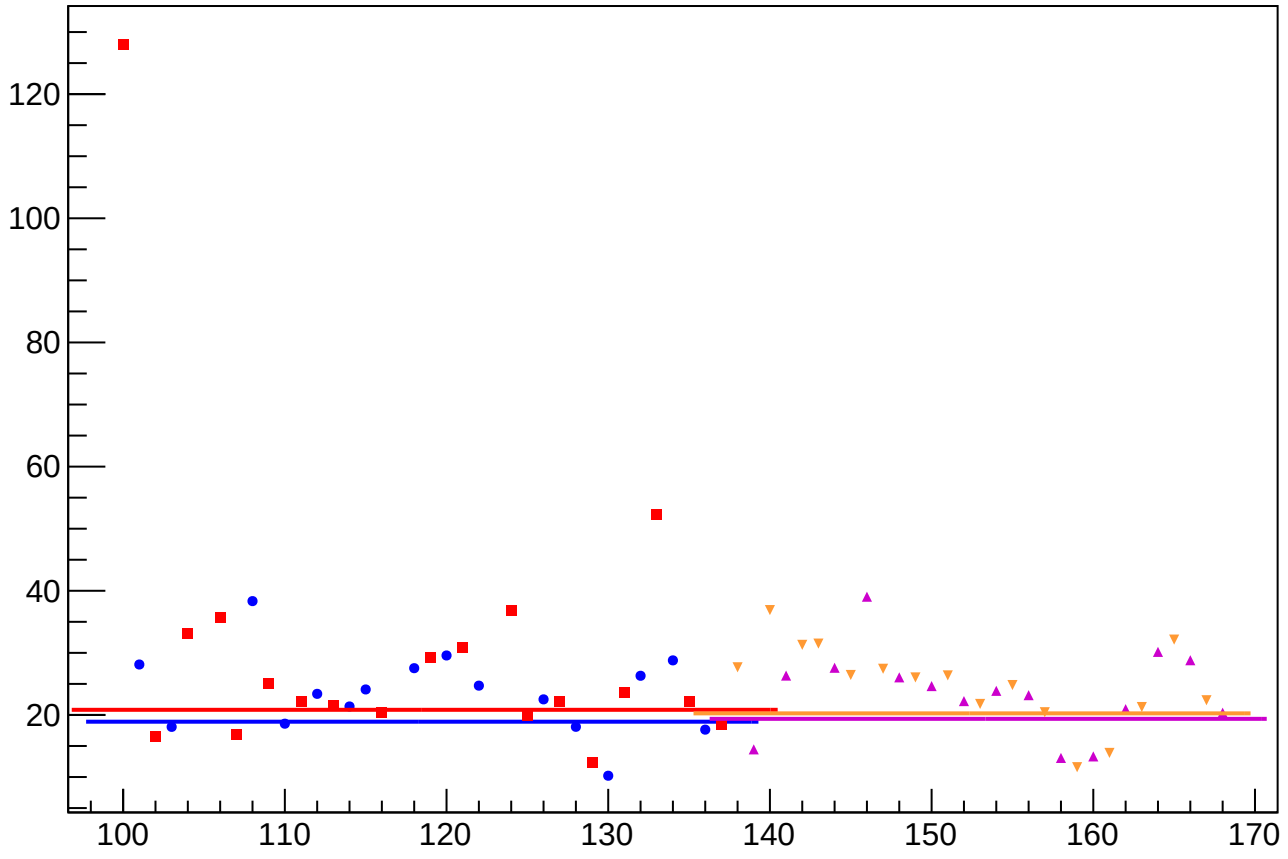
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.006+/-0.006 χ^2/NDF:15.8/14

+ sign 0.004+/-0.005 χ^2/NDF: 52.3/31

All: 0.008+/-0.003 χ^2/NDF: 82.5/65

- sign 0.012+/-0.005 χ^2/NDF: 29.0/33



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.253+/-0.004 χ^2/NDF:2503634.5/15

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

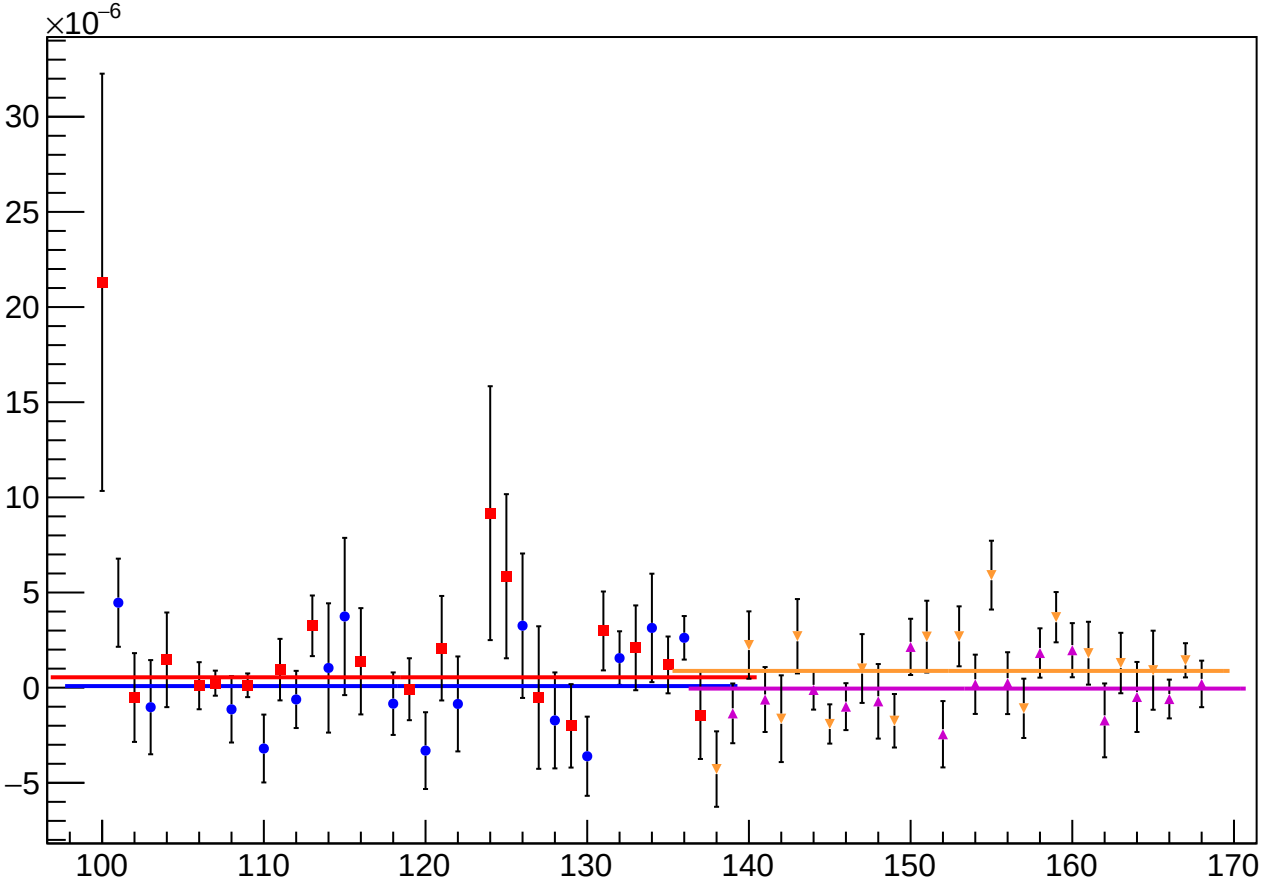
Left In: 19.372+/-0.004 χ^2/NDF:2131138.8/14

\+ sign 19.724+/-0.003 χ^2/NDF: 3929801.8/31

All: 19.793+/-0.002 χ^2/NDF: 7392562.7/65

\- sign 19.862+/-0.003 χ^2/NDF: 3461965.7/33

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.1/15

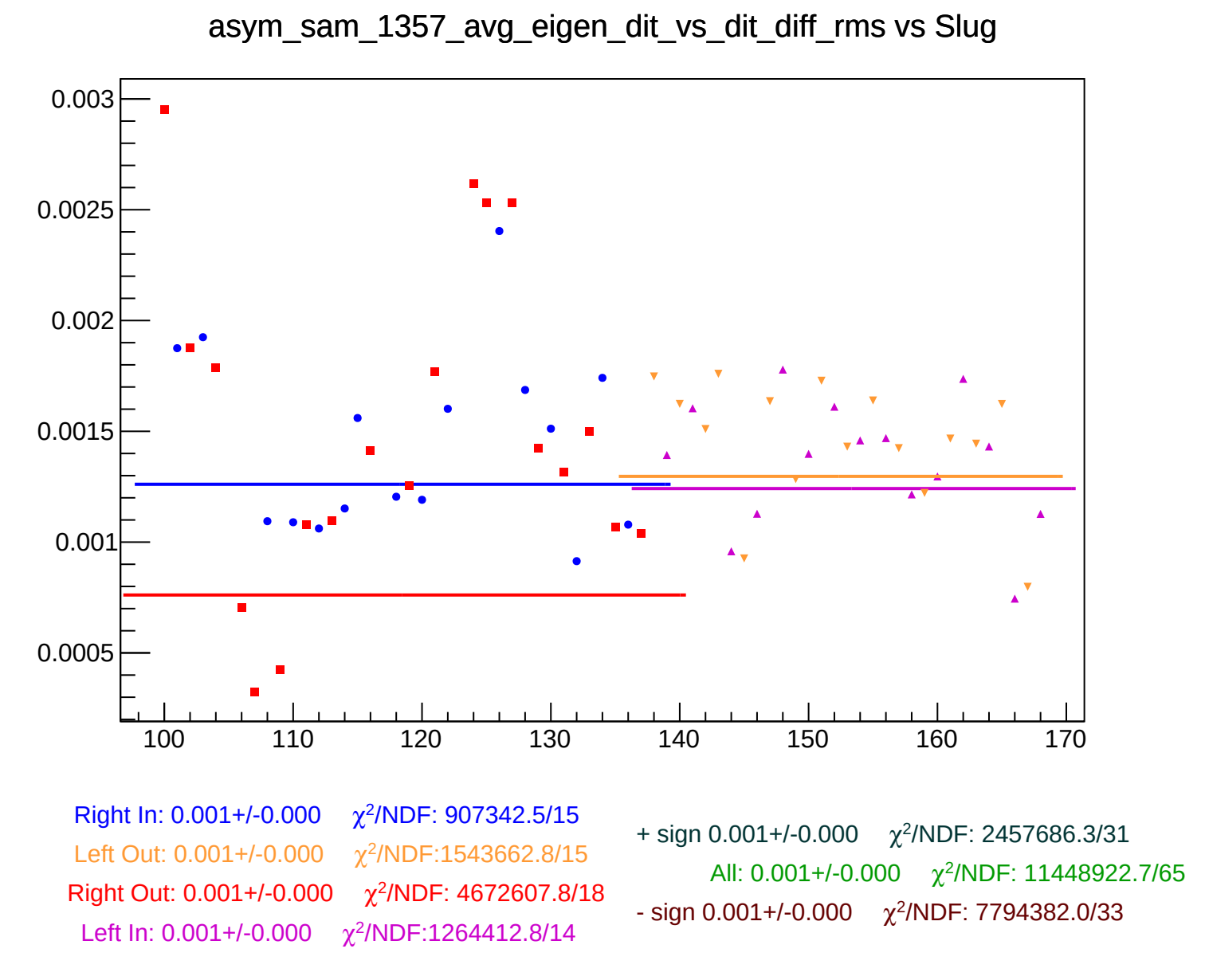
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

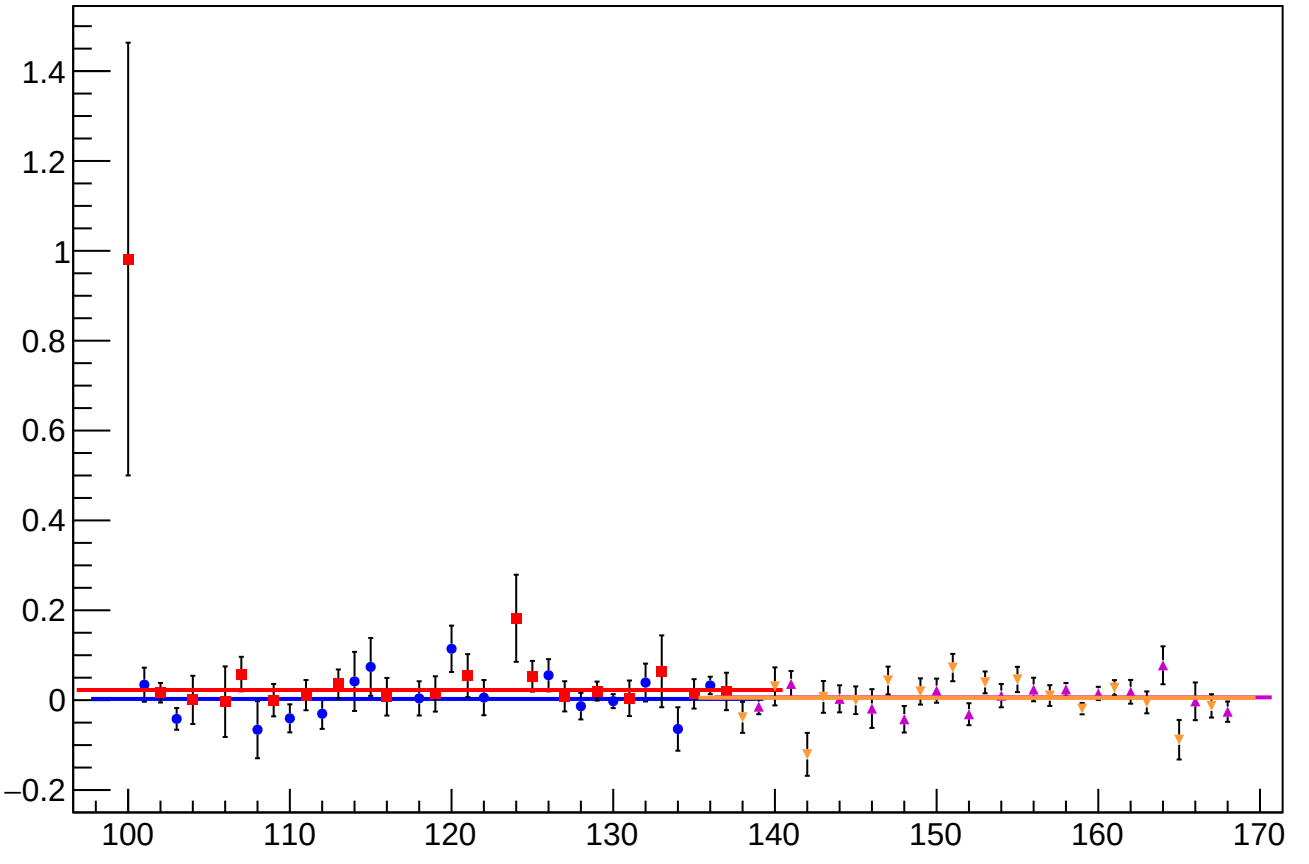
Left In: -0.000+/-0.000 χ^2/NDF:10.9/14

+ sign 0.000+/-0.000 χ^2/NDF: 62.3/31

All: 0.000+/-0.000 χ^2/NDF: 90.9/65

- sign 0.000+/-0.000 χ^2/NDF: 27.9/33


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:1543662.8/15
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:1264412.8/14
+ sign 0.001+/-0.000 χ²/NDF: 2457686.3/31
All: 0.001+/-0.000 χ²/NDF: 11448922.7/65
- sign 0.001+/-0.000 χ²/NDF: 7794382.0/33



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.005+/-0.006 χ^2/NDF:30.3/15

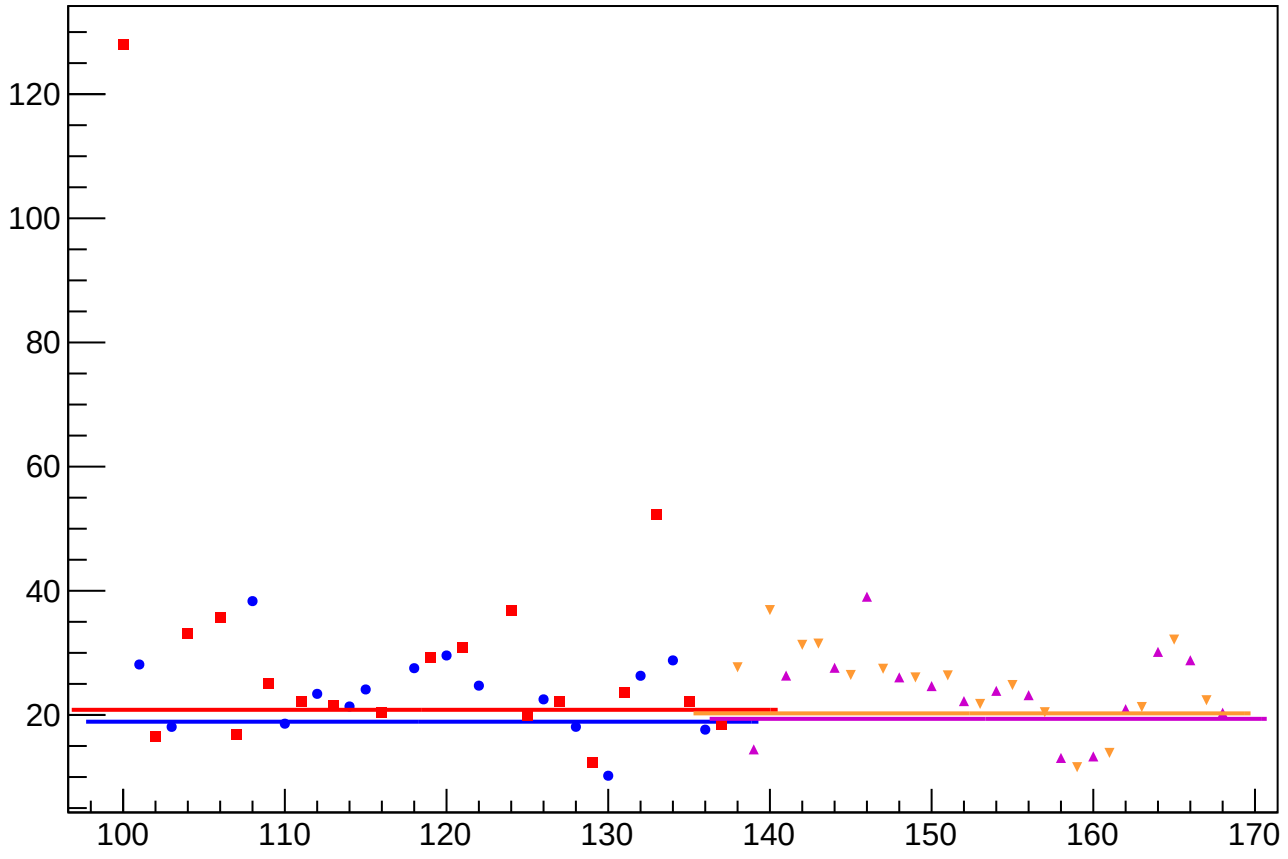
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.006+/-0.006 χ^2/NDF:15.8/14

+ sign 0.004+/-0.005 χ^2/NDF: 52.3/31

All: 0.008+/-0.003 χ^2/NDF: 82.5/65

- sign 0.012+/-0.005 χ^2/NDF: 29.0/33



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.253+/-0.004 χ^2/NDF:2503831.6/15

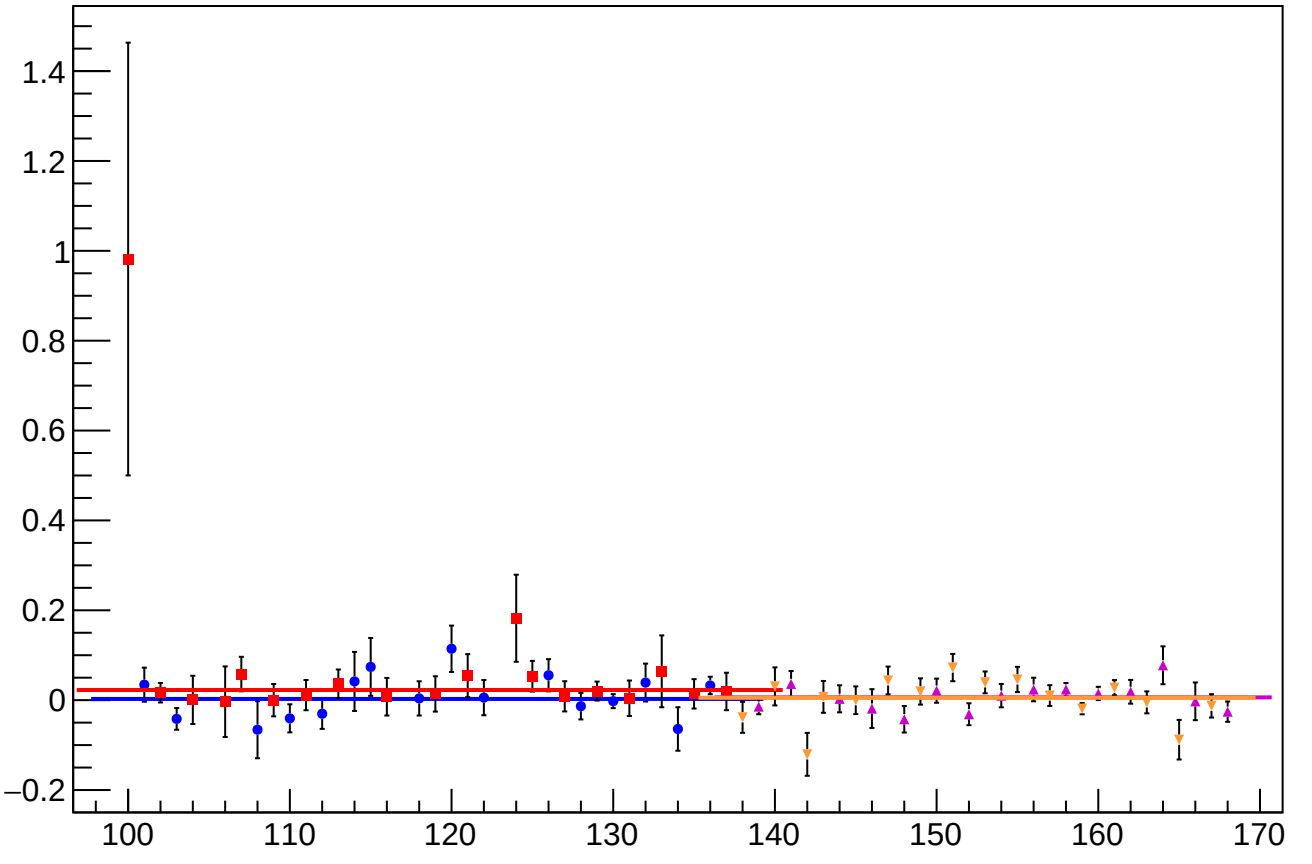
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.372+/-0.004 χ^2/NDF:2131235.0/14

+ sign 19.724+/-0.003 χ^2/NDF: 3929862.7/31

All: 19.794+/-0.002 χ^2/NDF: 7392717.5/65

- sign 19.863+/-0.003 χ^2/NDF: 3462059.7/33



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.005+/-0.006 χ^2/NDF:30.3/15

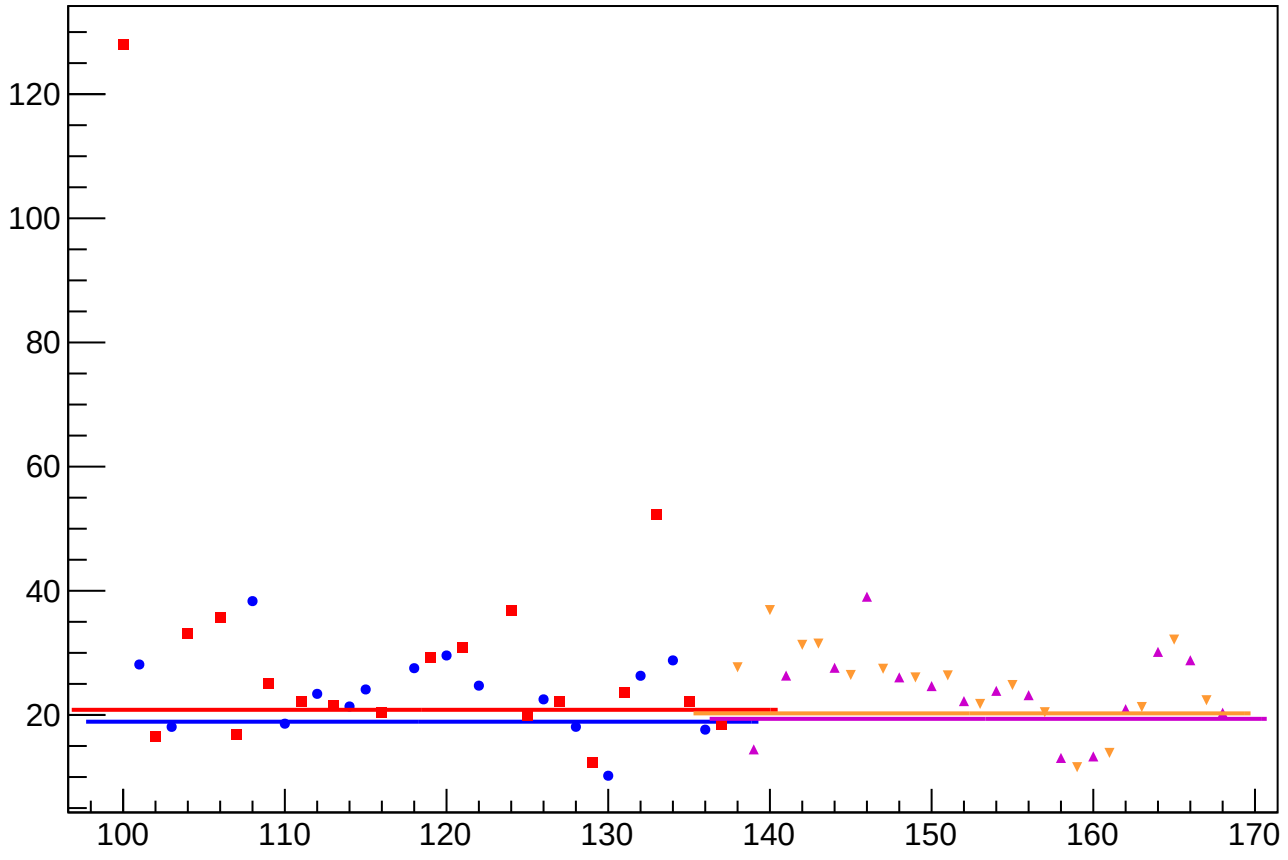
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.006+/-0.006 χ^2/NDF:15.8/14

+ sign 0.004+/-0.005 χ^2/NDF: 52.3/31

All: 0.008+/-0.003 χ^2/NDF: 82.5/65

- sign 0.012+/-0.005 χ^2/NDF: 29.0/33



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.253+/-0.004 χ^2/NDF:2503831.6/15

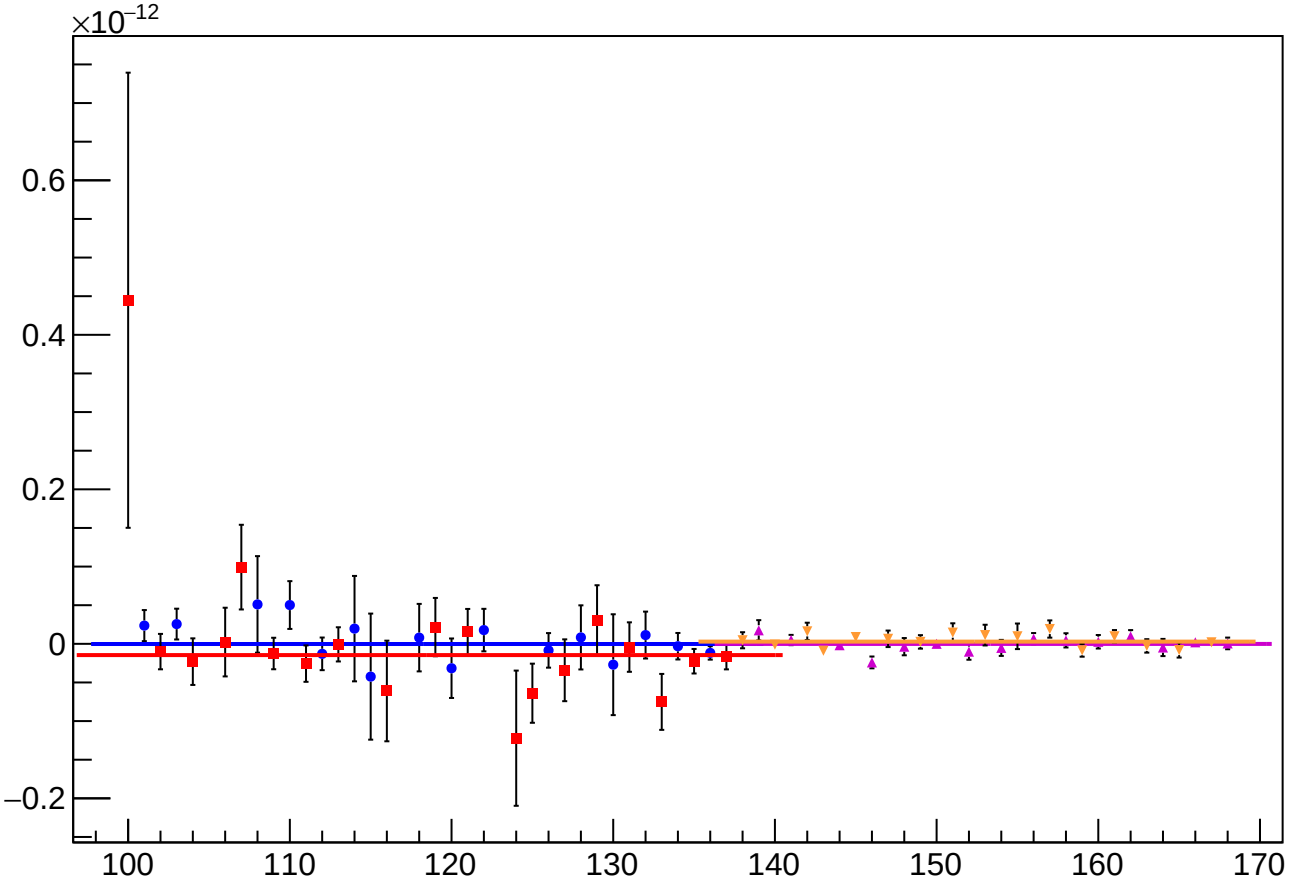
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.372+/-0.004 χ^2/NDF:2131235.0/14

\+ sign 19.724+/-0.003 χ^2/NDF: 3929862.7/31

All: 19.794+/-0.002 χ^2/NDF: 7392717.5/65

\- sign 19.863+/-0.003 χ^2/NDF: 3462059.7/33



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/15

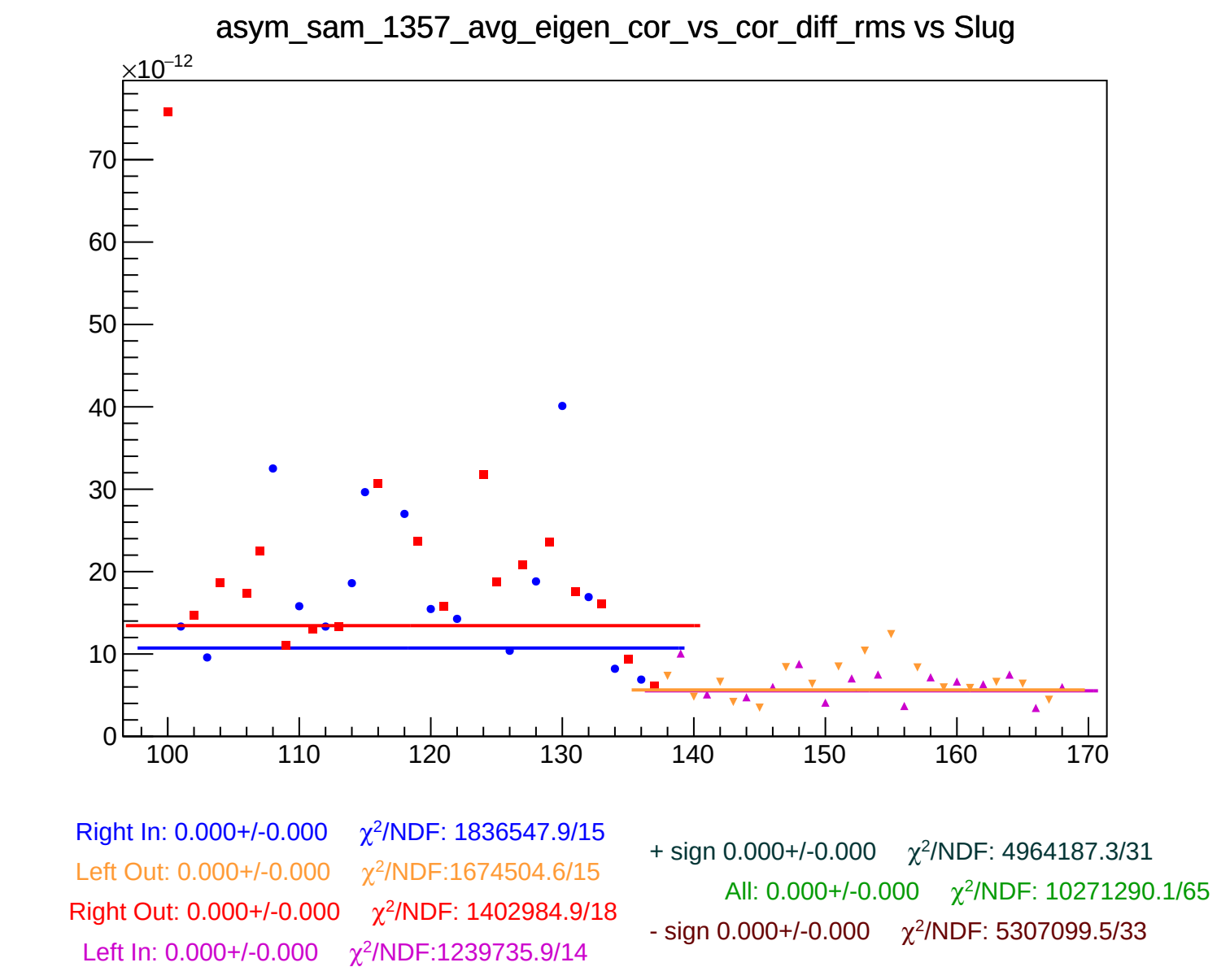
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.5/14

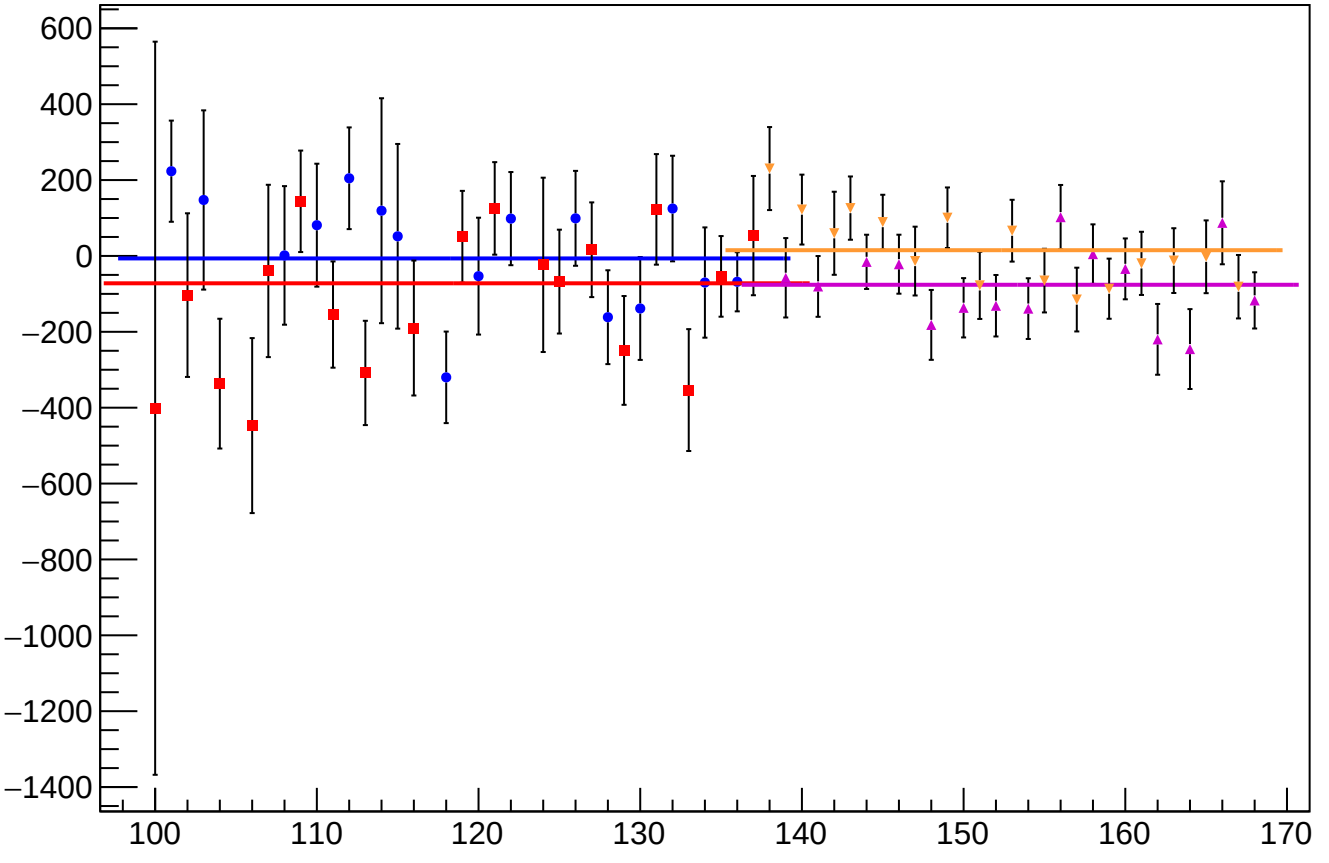
+ sign 0.000+/-0.000 χ^2/NDF: 25.5/31

All: 0.000+/-0.000 χ^2/NDF: 66.0/65

- sign -0.000+/-0.000 χ^2/NDF: 38.5/33


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1674504.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:1239735.9/14
+ sign 0.000+/-0.000 χ²/NDF: 4964187.3/31
All: 0.000+/-0.000 χ²/NDF: 10271290.1/65
- sign 0.000+/-0.000 χ²/NDF: 5307099.5/33

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 15.130+/-21.548 χ^2/NDF:17.5/15

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

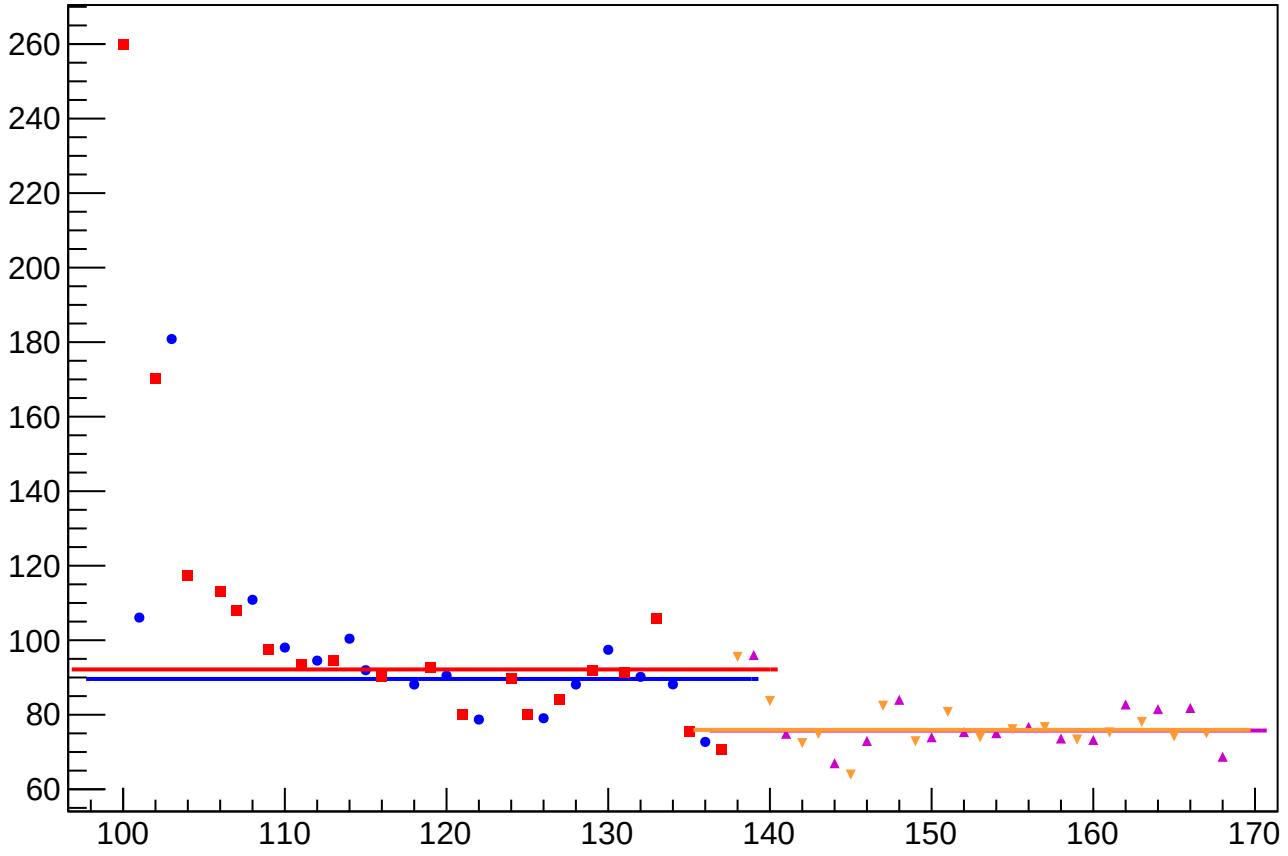
Left In: -76.012+/-21.690 χ^2/NDF:17.5/14

+ sign 8.989+/-18.244 χ^2/NDF: 36.7/31

All: -32.568+/-12.962 χ^2/NDF: 87.5/65

- sign -74.928+/-18.419 χ^2/NDF: 40.3/33

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 75.936+/-0.015 χ^2/NDF:161054.8/15

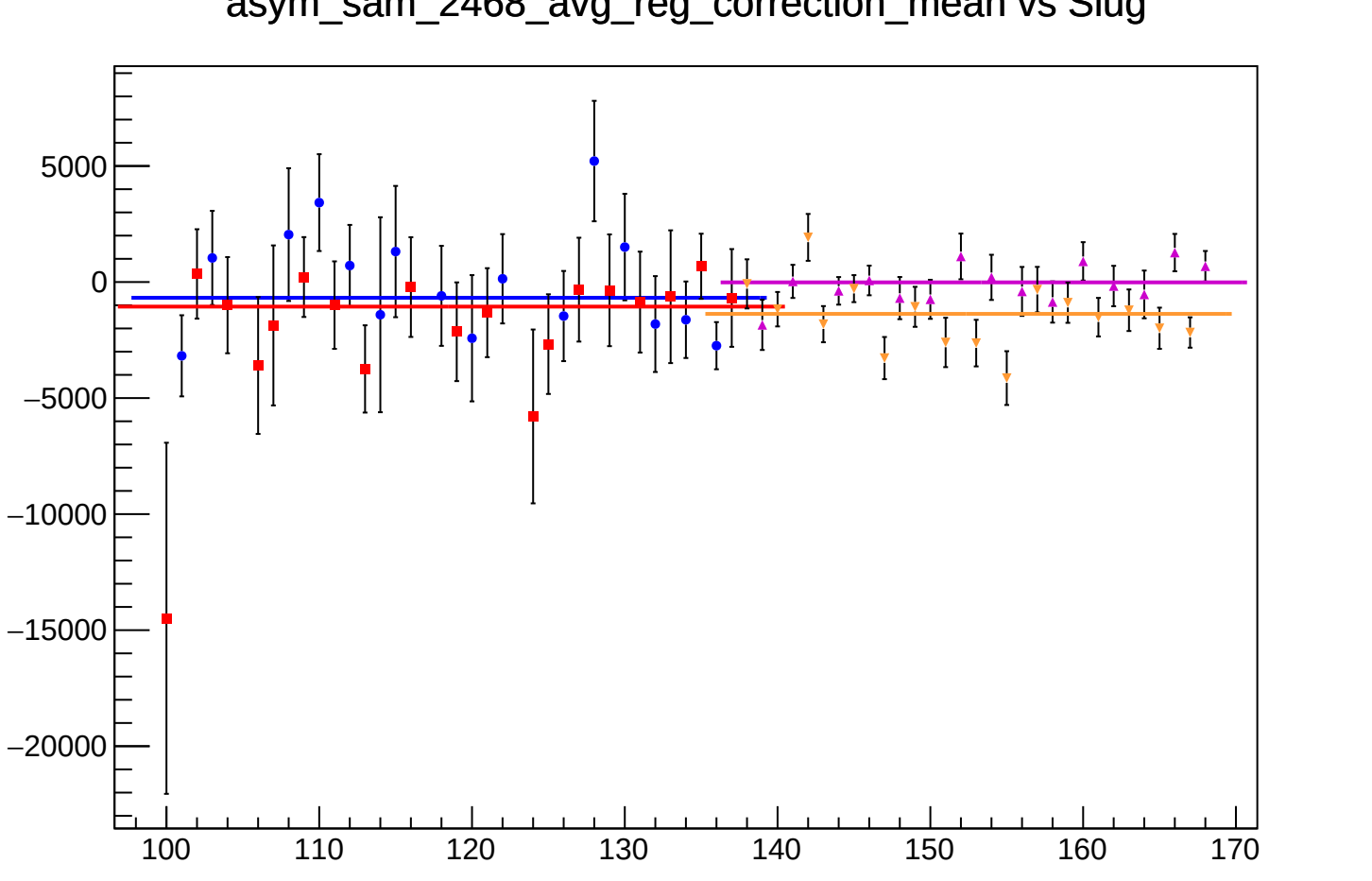
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.763+/-0.015 χ^2/NDF:170435.6/14

+ sign 79.806+/-0.013 χ^2/NDF: 887282.0/31

All: 80.068+/-0.009 χ^2/NDF: 1919372.9/65

- sign 80.335+/-0.013 χ^2/NDF: 1031257.0/33



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1372.375+/-212.526 χ^2/NDF:32.7/15

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

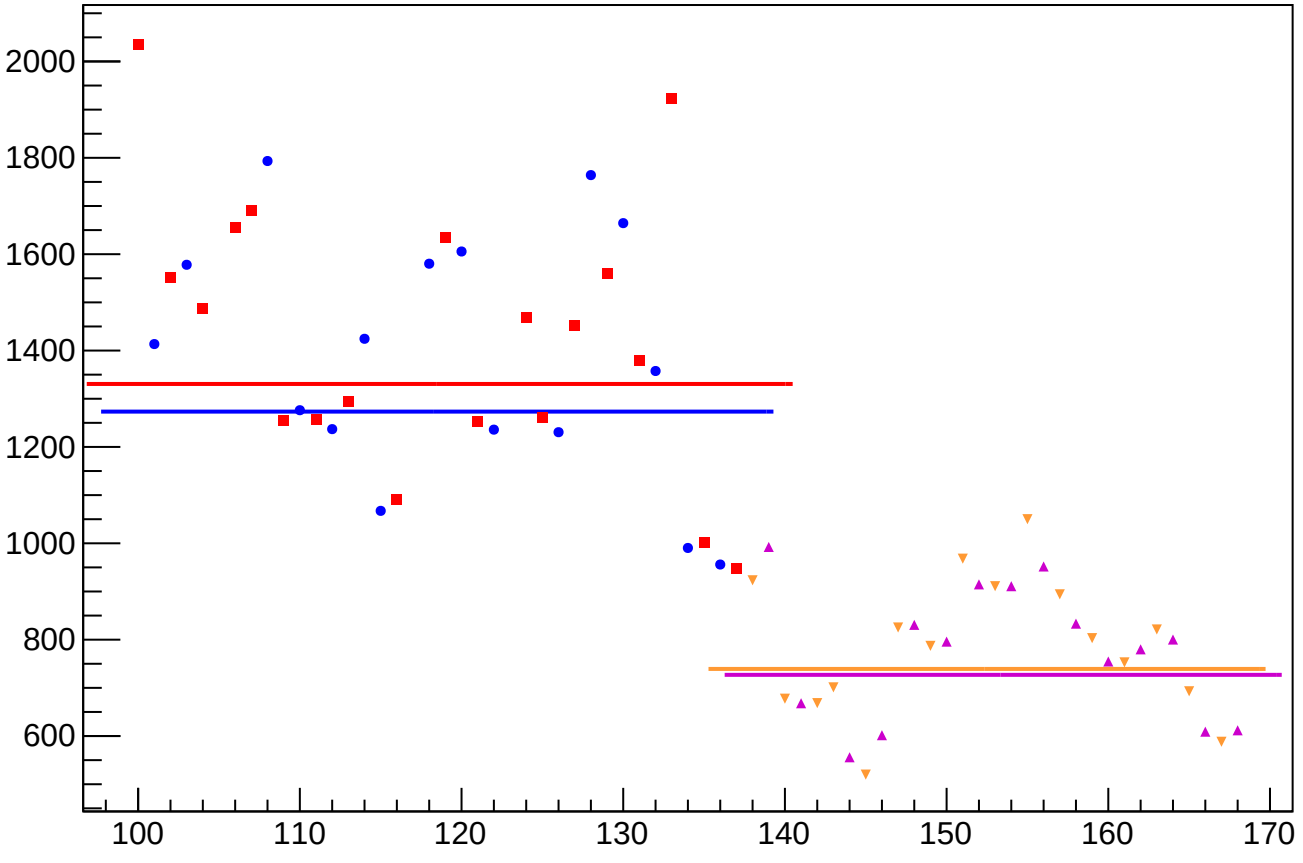
Left In: -14.503+/-210.573 χ^2/NDF:12.1/14

+ sign -1260.993+/-194.753 χ^2/NDF: 54.7/31

All: -714.860+/-137.390 χ^2/NDF: 97.6/65

- sign -173.782+/-193.849 χ^2/NDF: 27.3/33

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 739.305+/-0.150 χ^2/NDF:882529.5/15

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

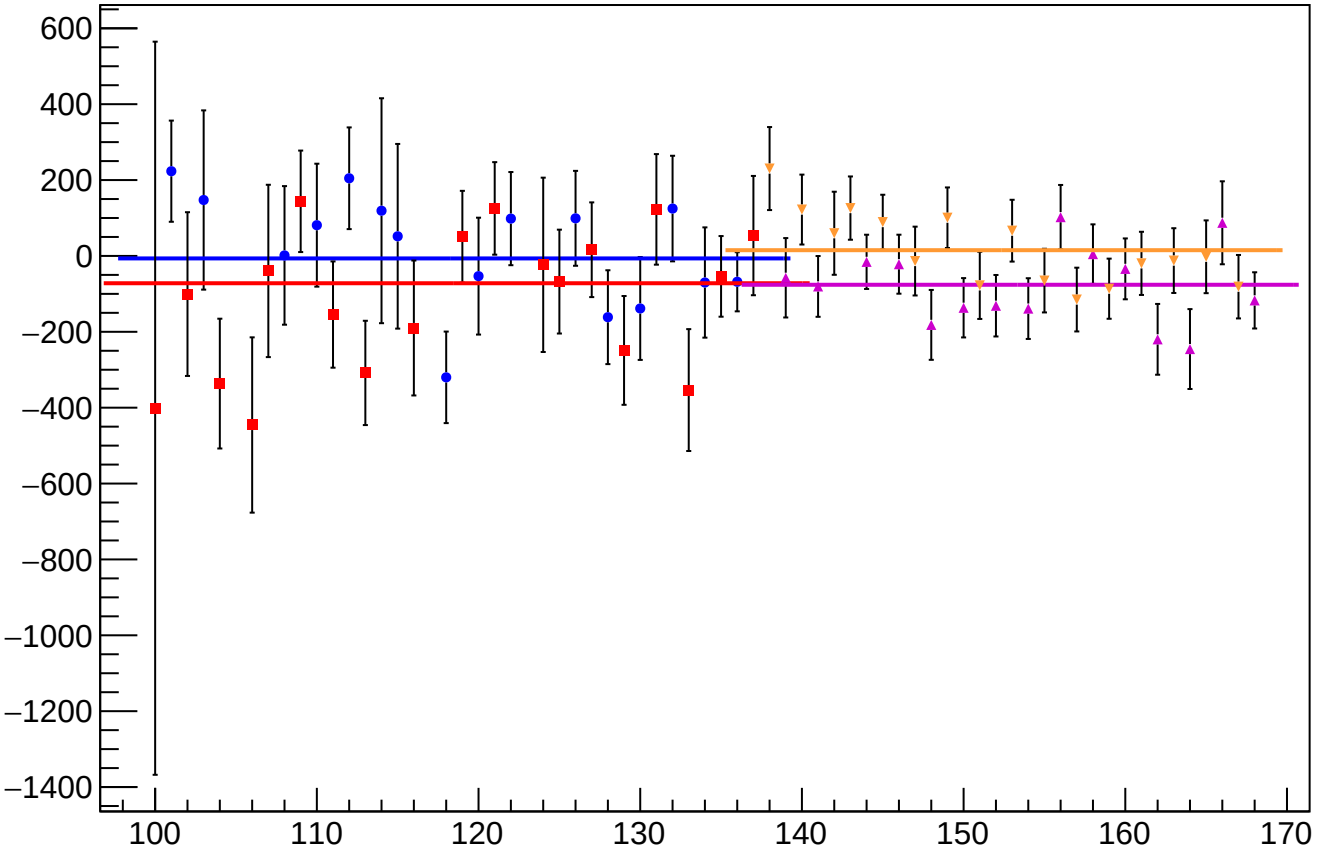
Left In: 727.017+/-0.149 χ^2/NDF:803767.0/14

+ sign 824.889+/-0.138 χ^2/NDF: 3503797.8/31

All: 821.978+/-0.097 χ^2/NDF: 7286260.0/65

- sign 819.094+/-0.137 χ^2/NDF: 3781572.4/33

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 15.135+/-21.548 χ^2/NDF:17.5/15

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

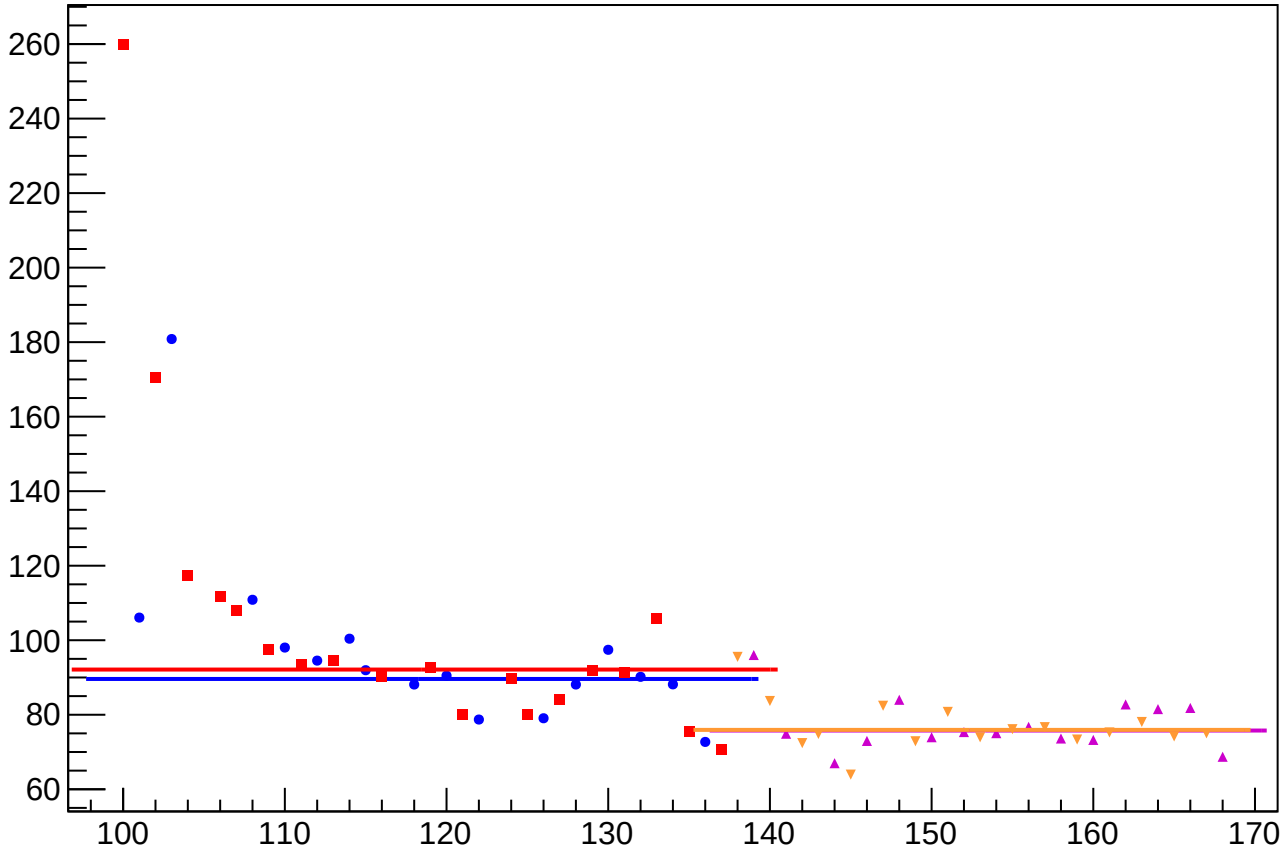
Left In: -76.012+/-21.690 χ^2/NDF:17.5/14

+ sign 8.990+/-18.244 χ^2/NDF: 36.8/31

All: -32.547+/-12.962 χ^2/NDF: 87.5/65

- sign -74.888+/-18.420 χ^2/NDF: 40.3/33

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.936+/-0.015 χ^2/NDF:161054.8/15

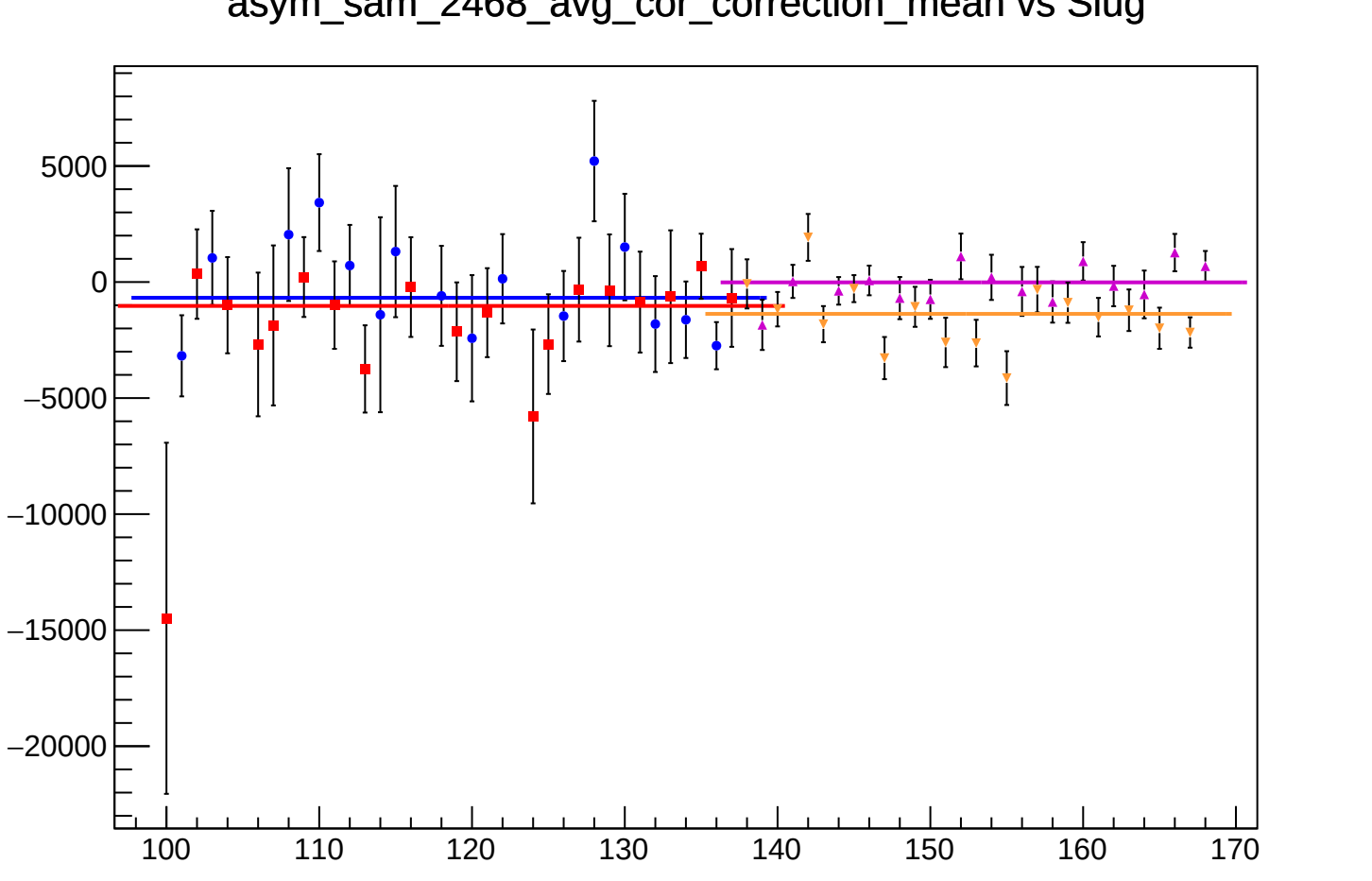
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.763+/-0.015 χ^2/NDF:170435.6/14

+ sign 79.806+/-0.013 χ^2/NDF: 887285.5/31

All: 80.063+/-0.009 χ^2/NDF: 1916321.7/65

- sign 80.326+/-0.013 χ^2/NDF: 1028231.1/33



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1372.367+/-212.526 χ^2/NDF:32.7/15

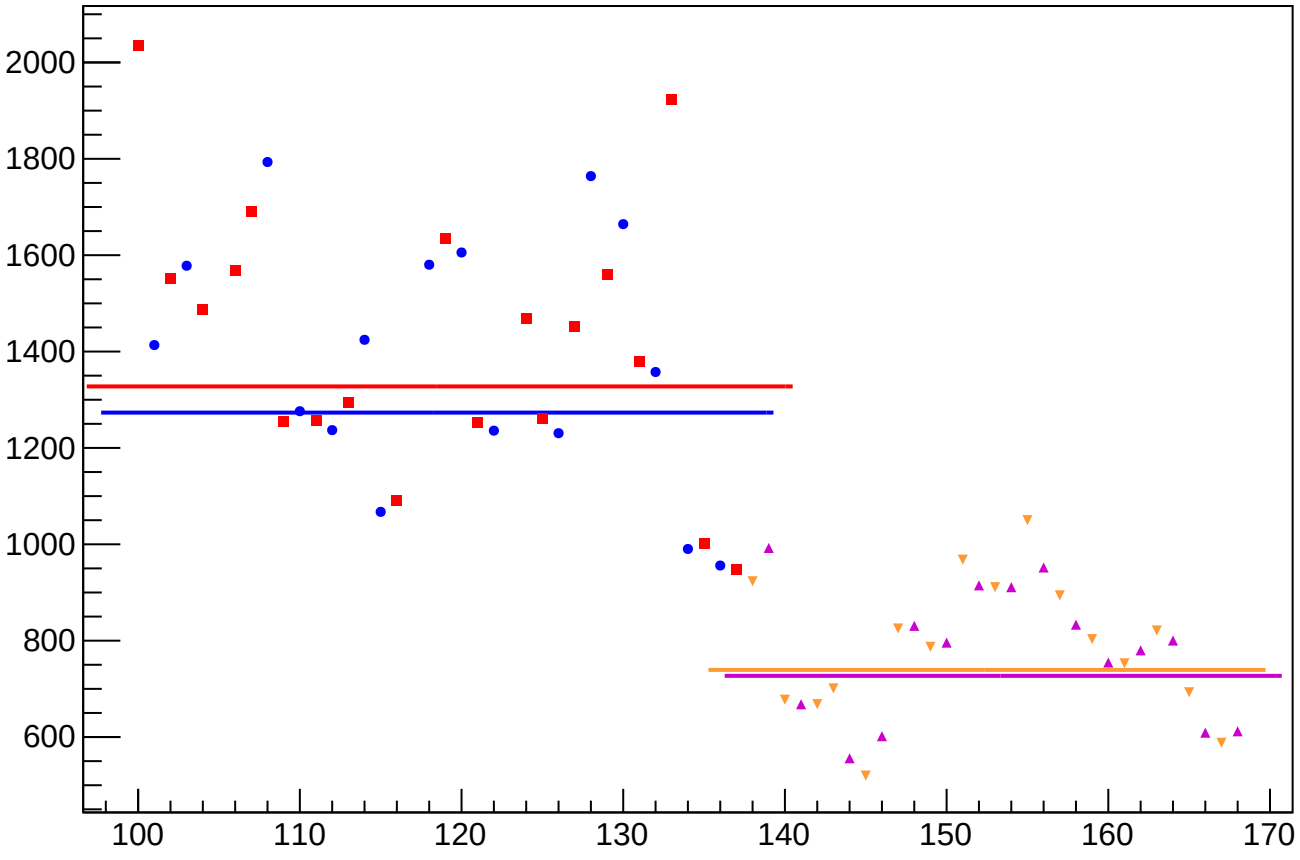
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -14.506+/-210.573 χ^2/NDF:12.1/14

+ sign -1260.980+/-194.753 χ^2/NDF: 54.7/31

All: -712.540+/-137.405 χ^2/NDF: 97.1/65

- sign -168.954+/-193.889 χ^2/NDF: 26.6/33



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 739.305+/-0.150 χ^2/NDF:882533.8/15

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

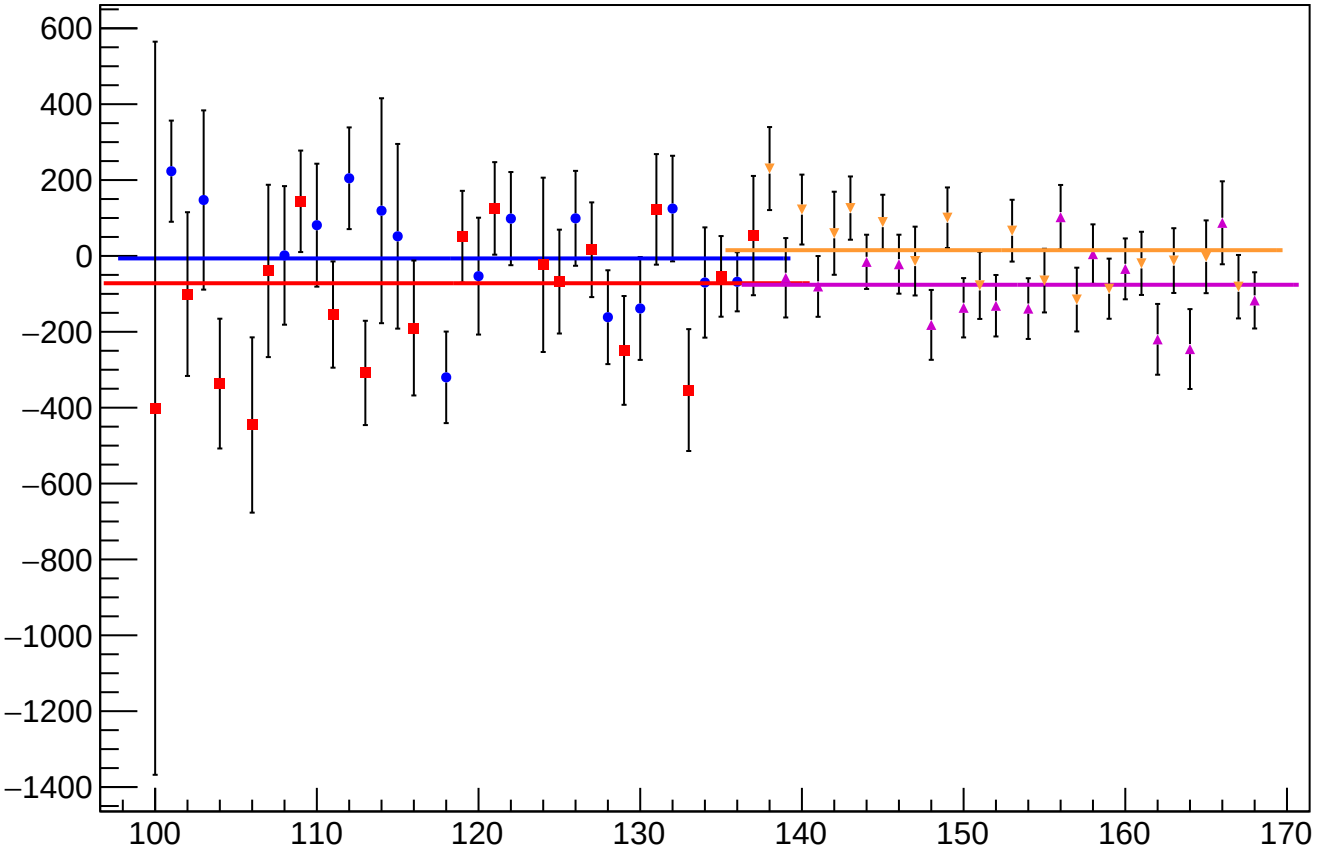
Left In: 727.017+/-0.149 χ^2/NDF:803764.4/14

+ sign 824.889+/-0.138 χ^2/NDF: 3503845.3/31

All: 821.642+/-0.097 χ^2/NDF: 7243606.0/65

- sign 818.424+/-0.137 χ^2/NDF: 3738654.0/33

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 15.135+/-21.548 χ^2/NDF:17.5/15

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

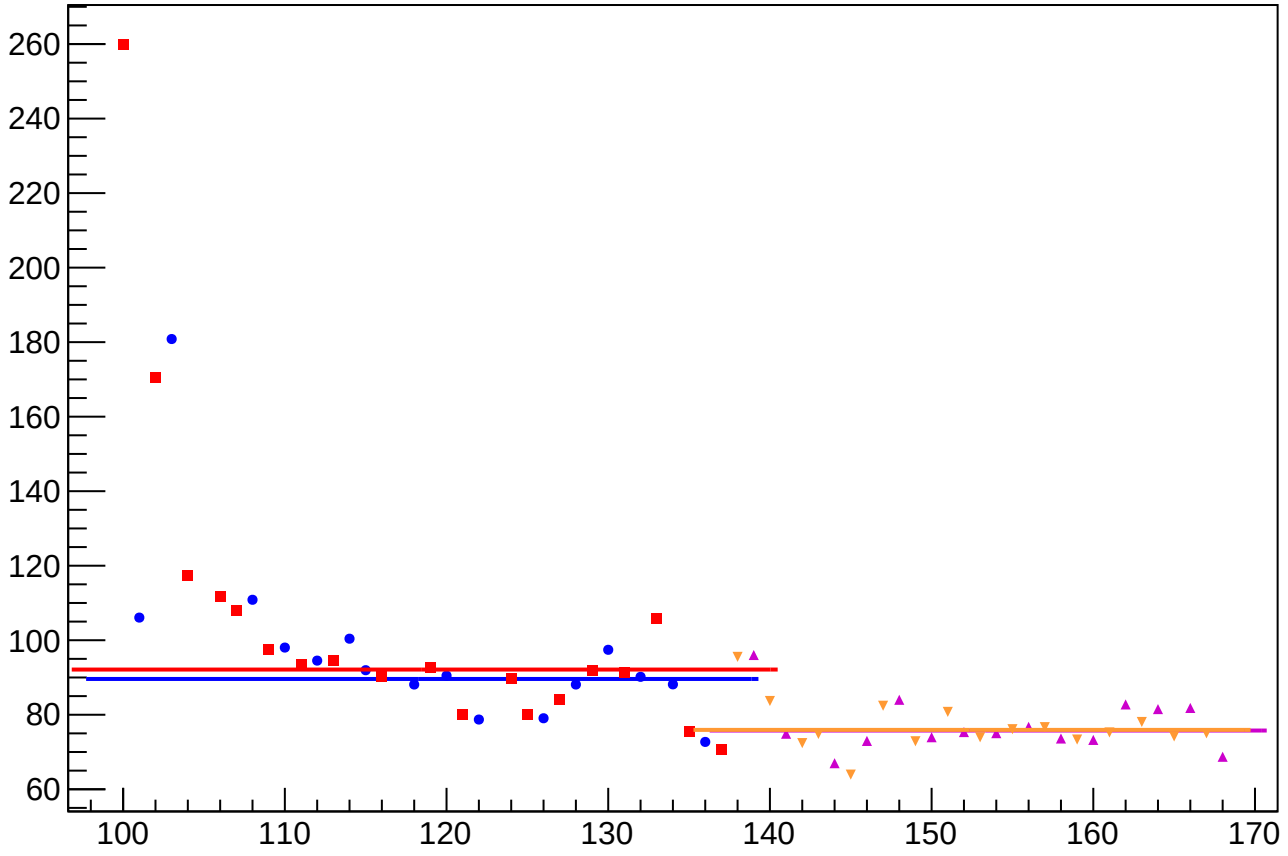
Left In: -76.012+/-21.690 χ^2/NDF:17.5/14

+ sign 8.990+/-18.244 χ^2/NDF: 36.8/31

All: -32.547+/-12.962 χ^2/NDF: 87.5/65

- sign -74.888+/-18.420 χ^2/NDF: 40.3/33

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.936+/-0.015 χ^2/NDF:161054.8/15

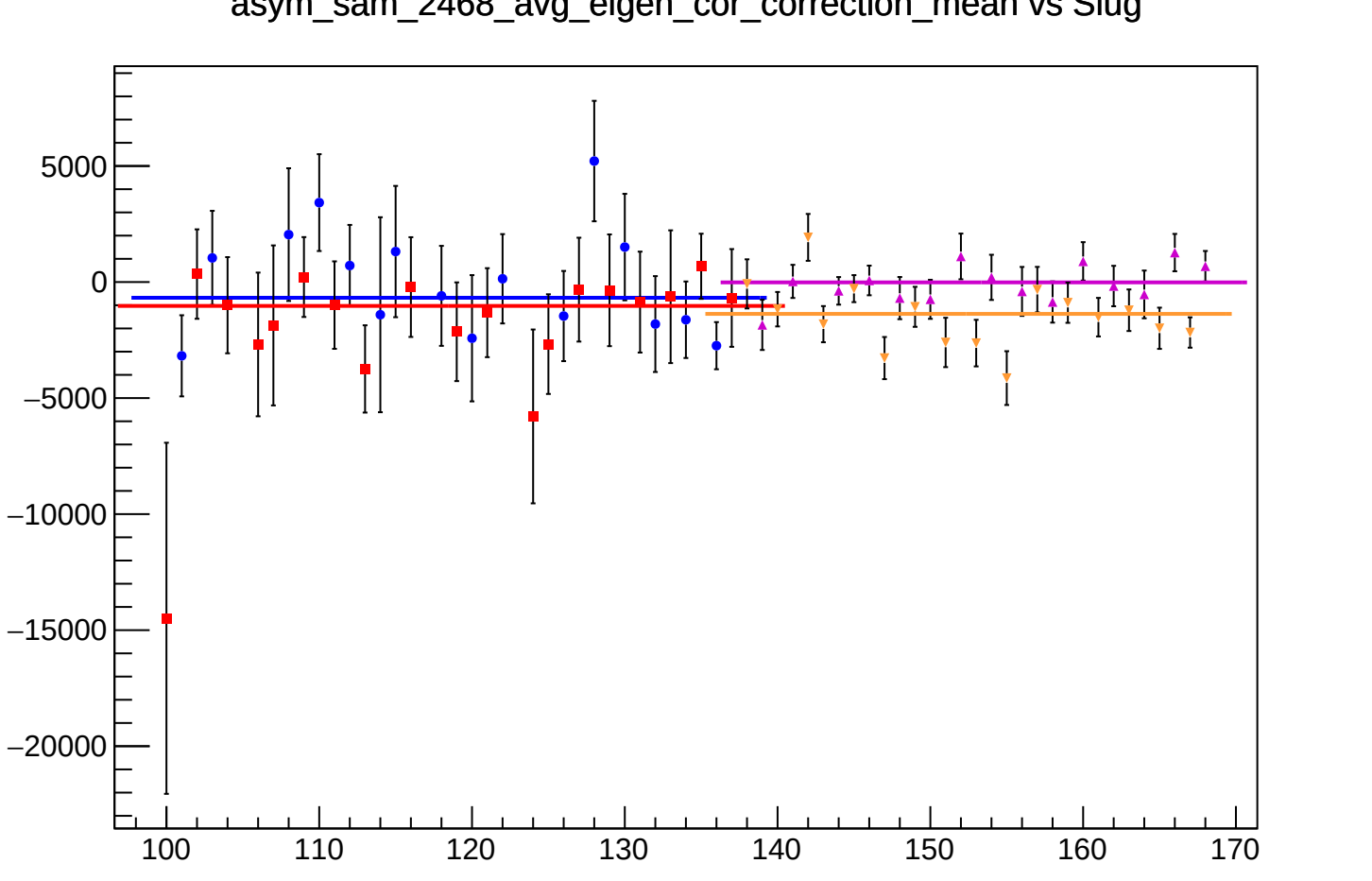
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.763+/-0.015 χ^2/NDF:170435.6/14

+ sign 79.806+/-0.013 χ^2/NDF: 887285.5/31

All: 80.063+/-0.009 χ^2/NDF: 1916321.7/65

- sign 80.326+/-0.013 χ^2/NDF: 1028231.1/33



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1372.367+/-212.526 χ^2/NDF:32.7/15

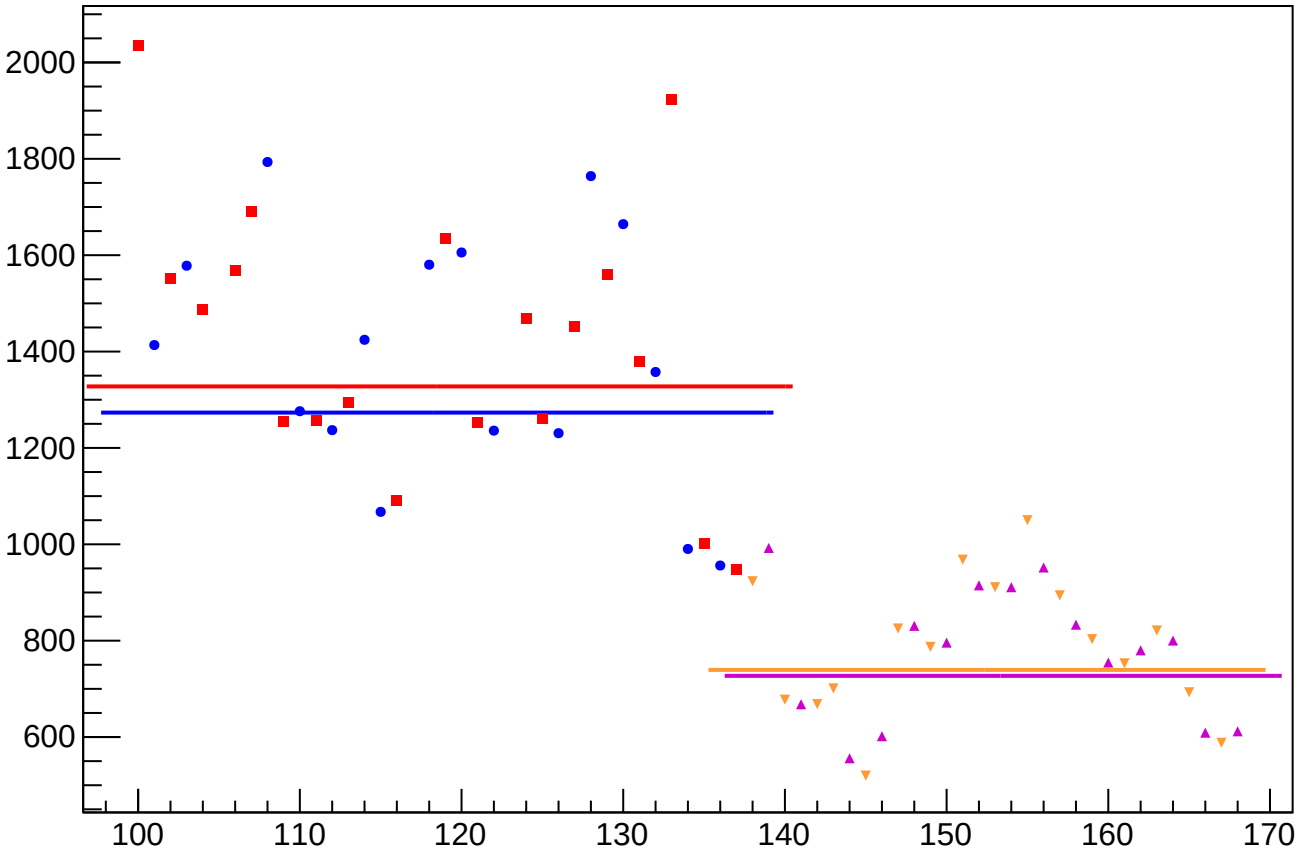
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -14.506+/-210.573 χ^2/NDF:12.1/14

+ sign -1260.980+/-194.753 χ^2/NDF: 54.7/31

All: -712.540+/-137.405 χ^2/NDF: 97.1/65

- sign -168.954+/-193.889 χ^2/NDF: 26.6/33



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 739.305+/-0.150 χ^2/NDF:882533.8/15

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

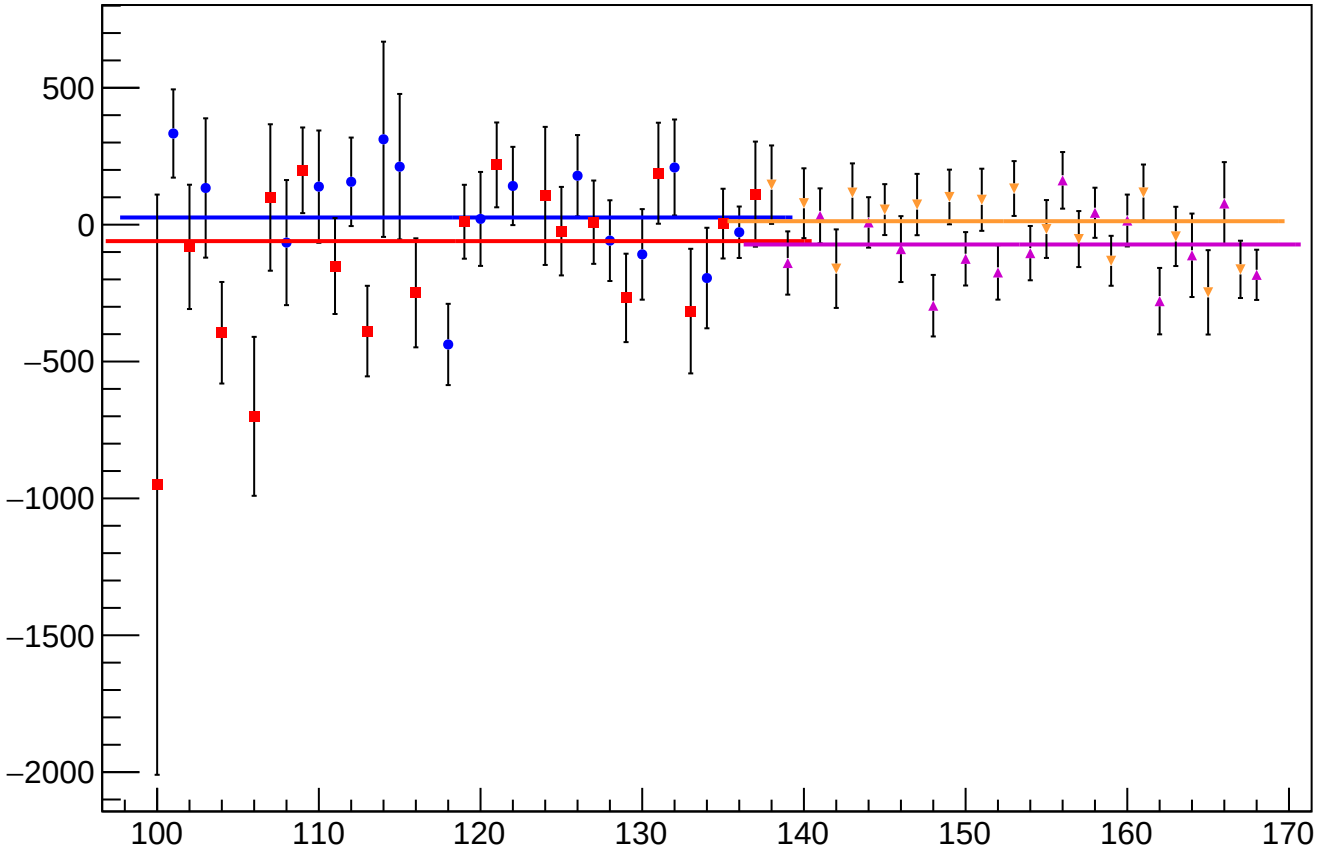
Left In: 727.017+/-0.149 χ^2/NDF:803764.4/14

+ sign 824.889+/-0.138 χ^2/NDF: 3503845.3/31

All: 821.642+/-0.097 χ^2/NDF: 7243606.0/65

- sign 818.424+/-0.137 χ^2/NDF: 3738654.0/33

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 12.634+/-27.330 χ^2/NDF:16.7/15

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

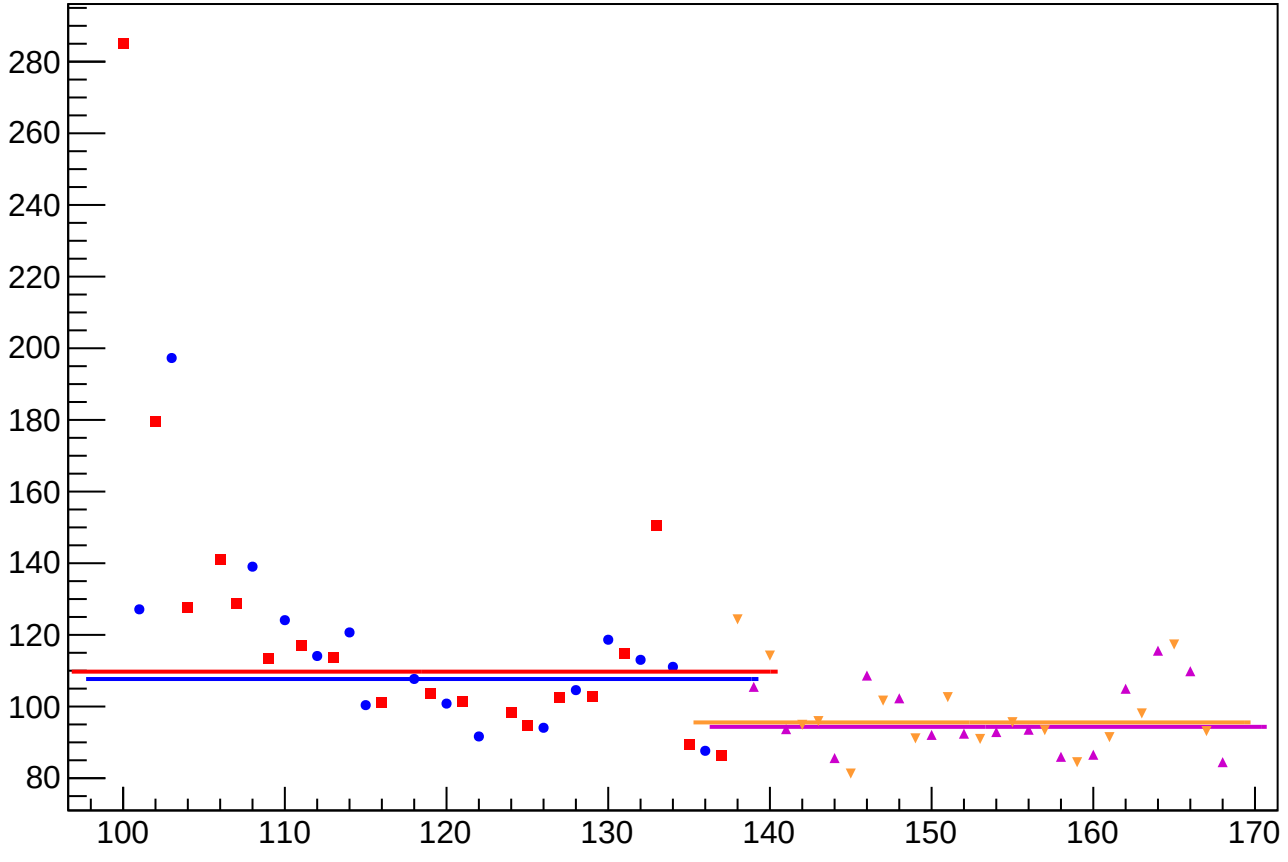
Left In: -72.384+/-27.259 χ^2/NDF:20.6/14

+ sign 16.792+/-22.778 χ^2/NDF: 38.1/31

All: -25.930+/-16.110 χ^2/NDF: 92.9/65

- sign -68.691+/-22.788 χ^2/NDF: 47.7/33

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 95.567+/-0.019 χ^2/NDF:268314.8/15

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

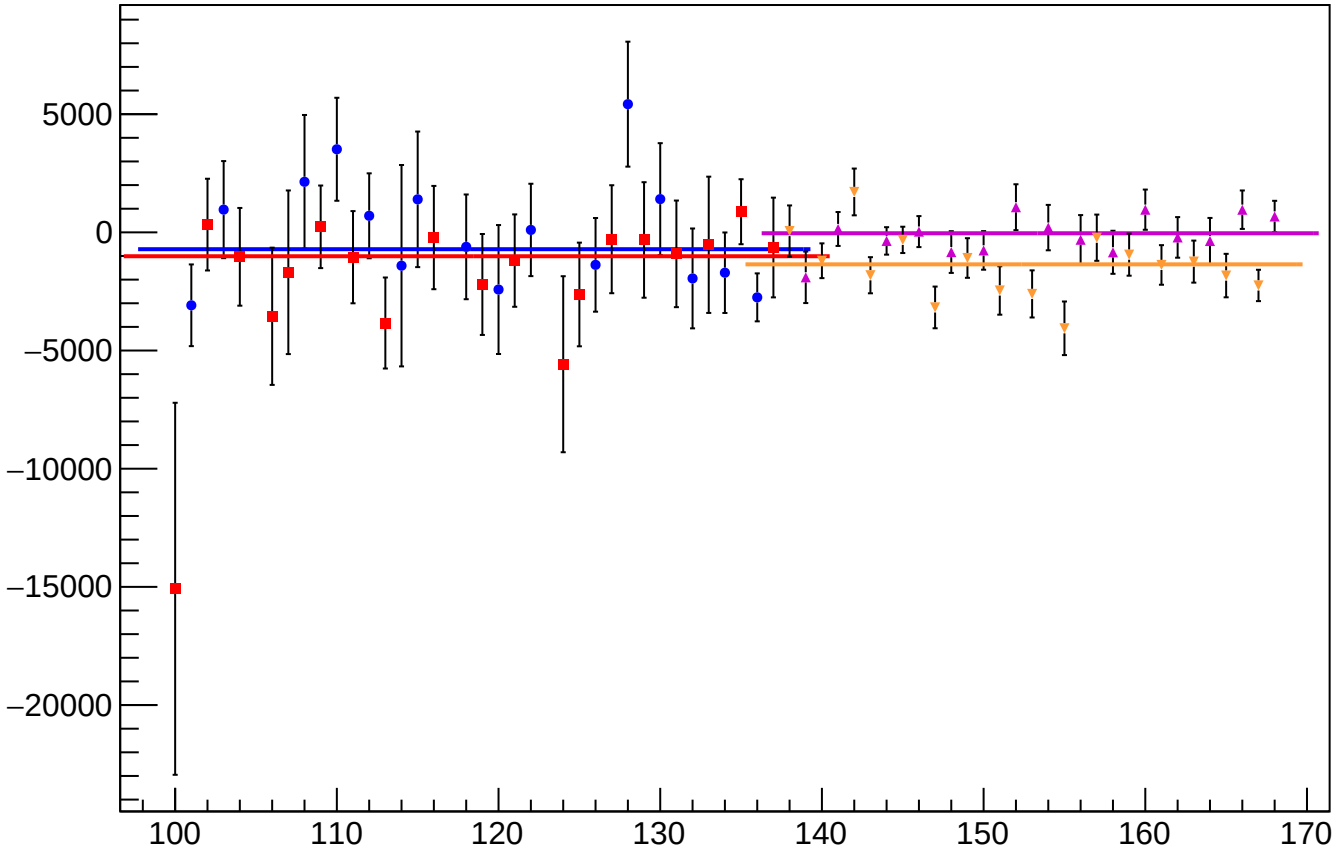
Left In: 94.332+/-0.019 χ^2/NDF:205943.2/14

\+ sign 99.266+/-0.016 χ^2/NDF: 871409.9/31

All: 99.119+/-0.011 χ^2/NDF: 1761704.6/65

\- sign 98.972+/-0.016 χ^2/NDF: 890127.9/33

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1353.485+/-210.546 χ^2/NDF:31.6/15

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

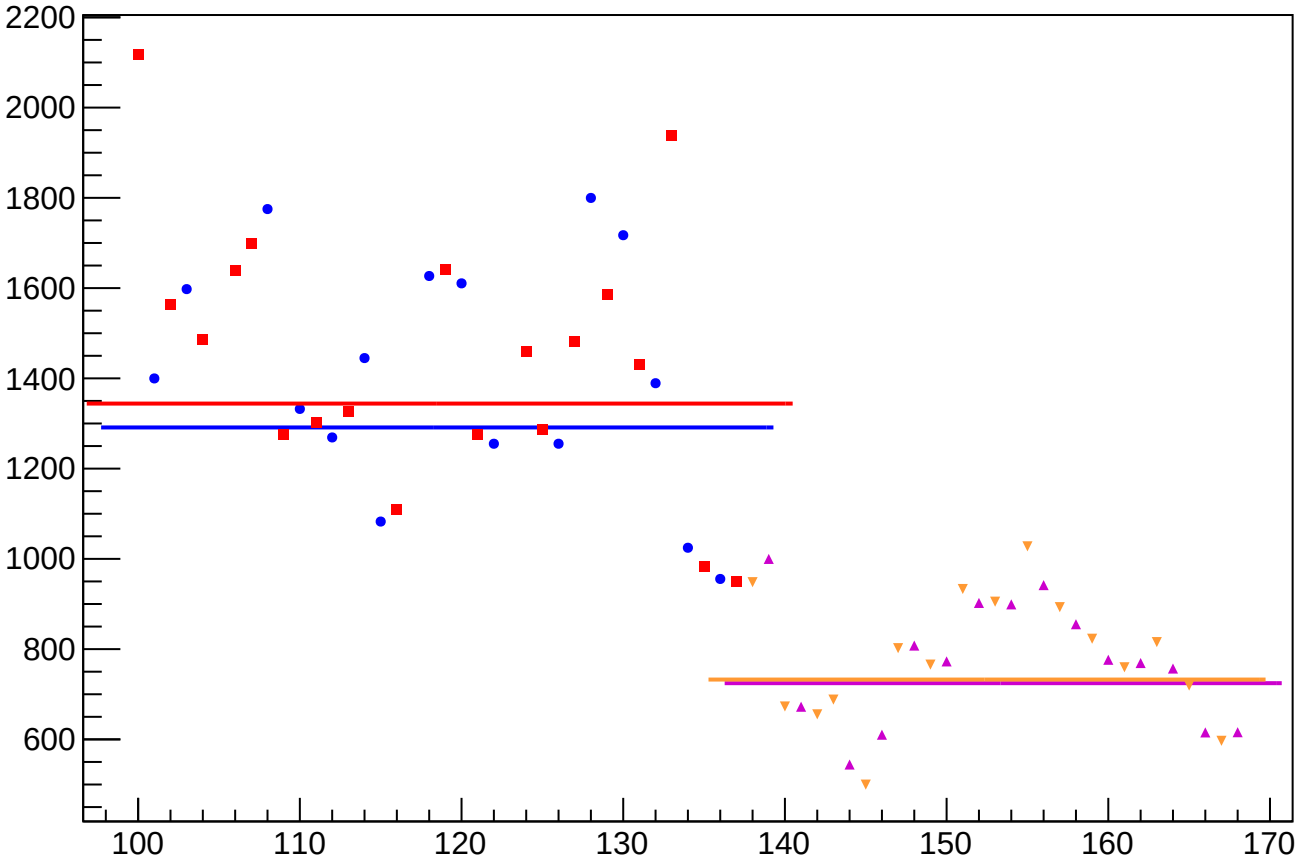
Left In: -37.816+/-209.862 χ^2/NDF:11.3/14

+ sign -1254.755+/-193.643 χ^2/NDF: 53.1/31

All: -718.642+/-136.907 χ^2/NDF: 94.7/65

- sign -182.836+/-193.588 χ^2/NDF: 26.3/33

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 732.580+/-0.149 χ^2/NDF:927118.6/15

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

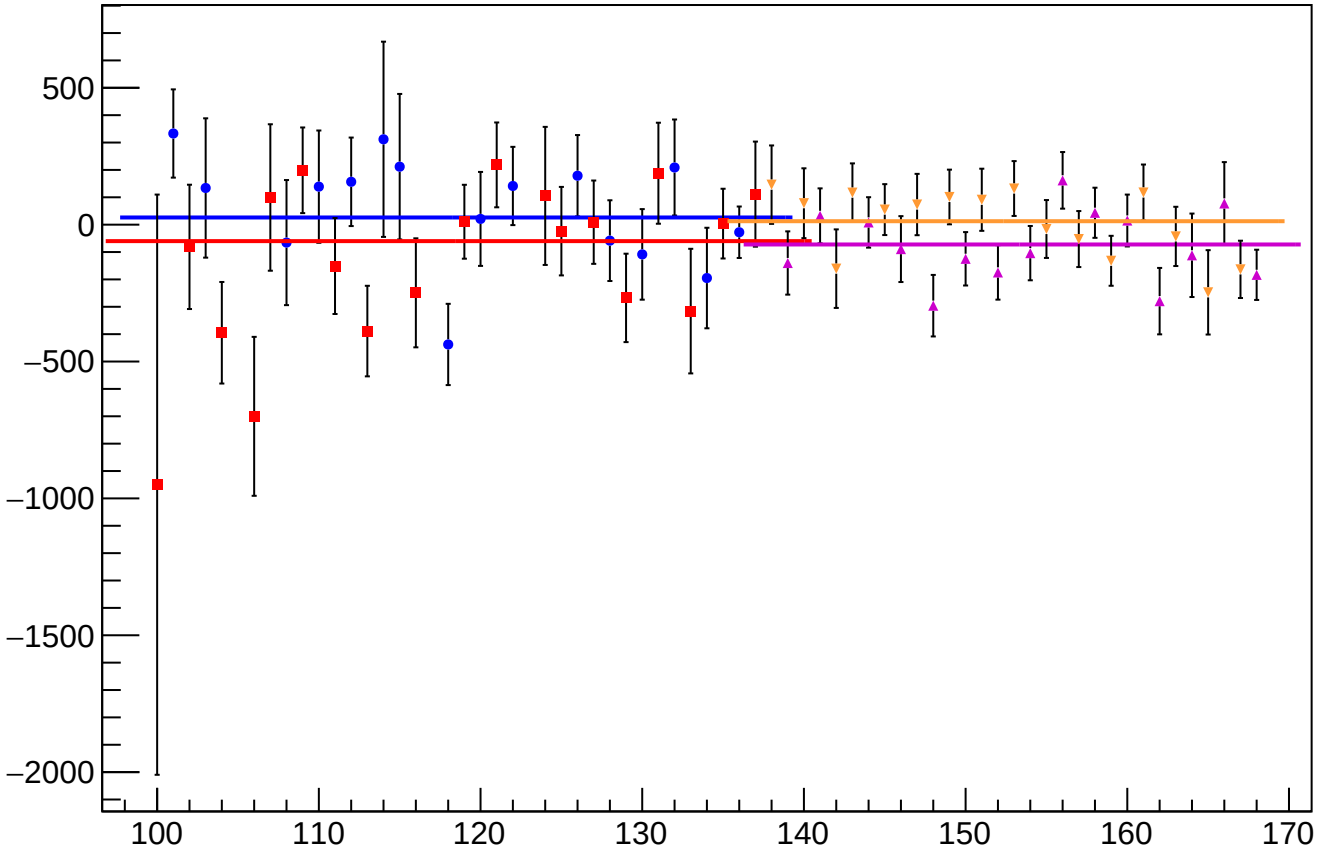
Left In: 724.555+/-0.148 χ^2/NDF:782186.1/14

+ sign 818.679+/-0.137 χ^2/NDF: 3708050.9/31

All: 817.801+/-0.097 χ^2/NDF: 7580030.9/65

- sign 816.922+/-0.137 χ^2/NDF: 3871897.6/33

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 12.636+/-27.330 χ^2/NDF:16.7/15

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

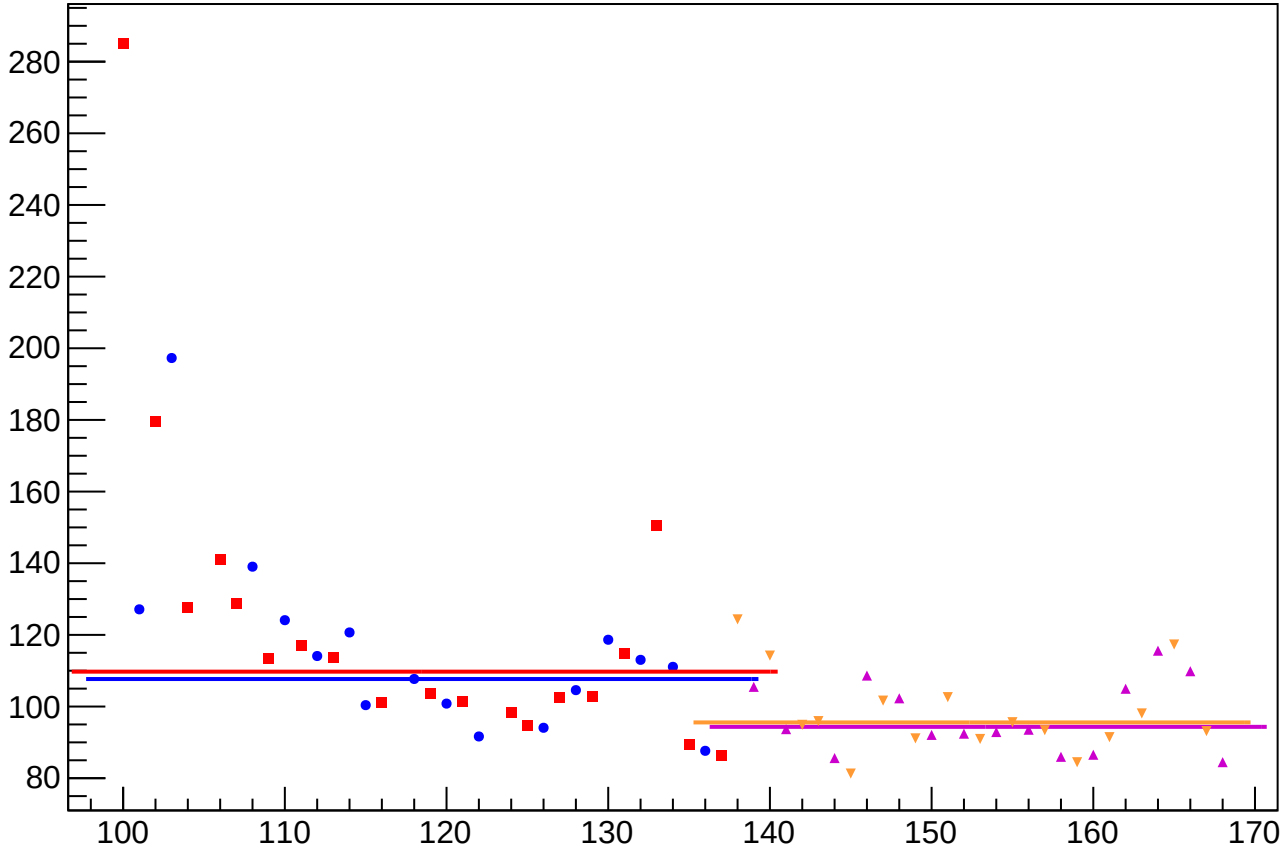
Left In: -72.382+/-27.259 χ^2/NDF:20.6/14

+ sign 16.794+/-22.778 χ^2/NDF: 38.1/31

All: -25.929+/-16.110 χ^2/NDF: 92.9/65

- sign -68.689+/-22.788 χ^2/NDF: 47.7/33

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 95.567+/-0.019 χ^2/NDF:268306.9/15

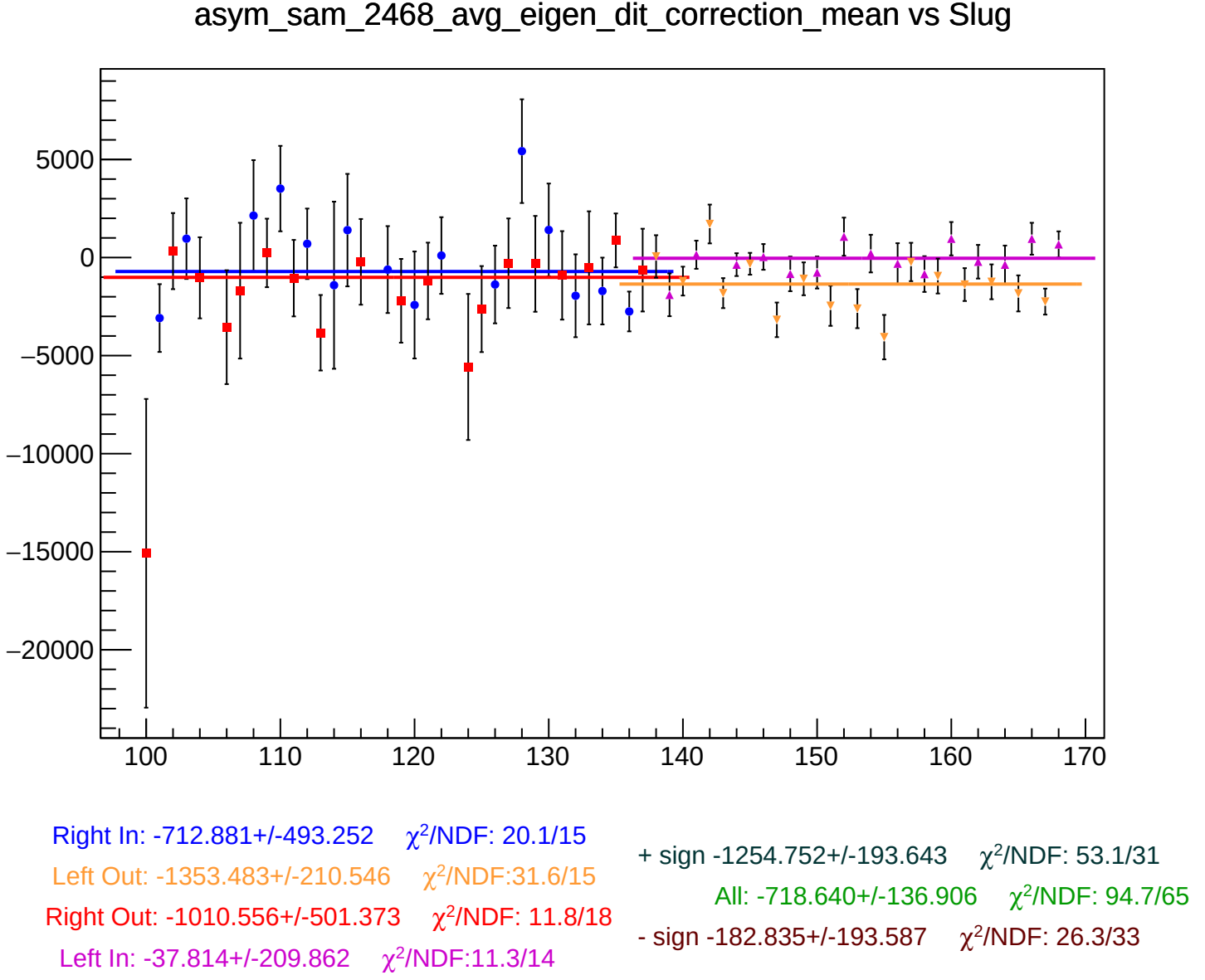
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

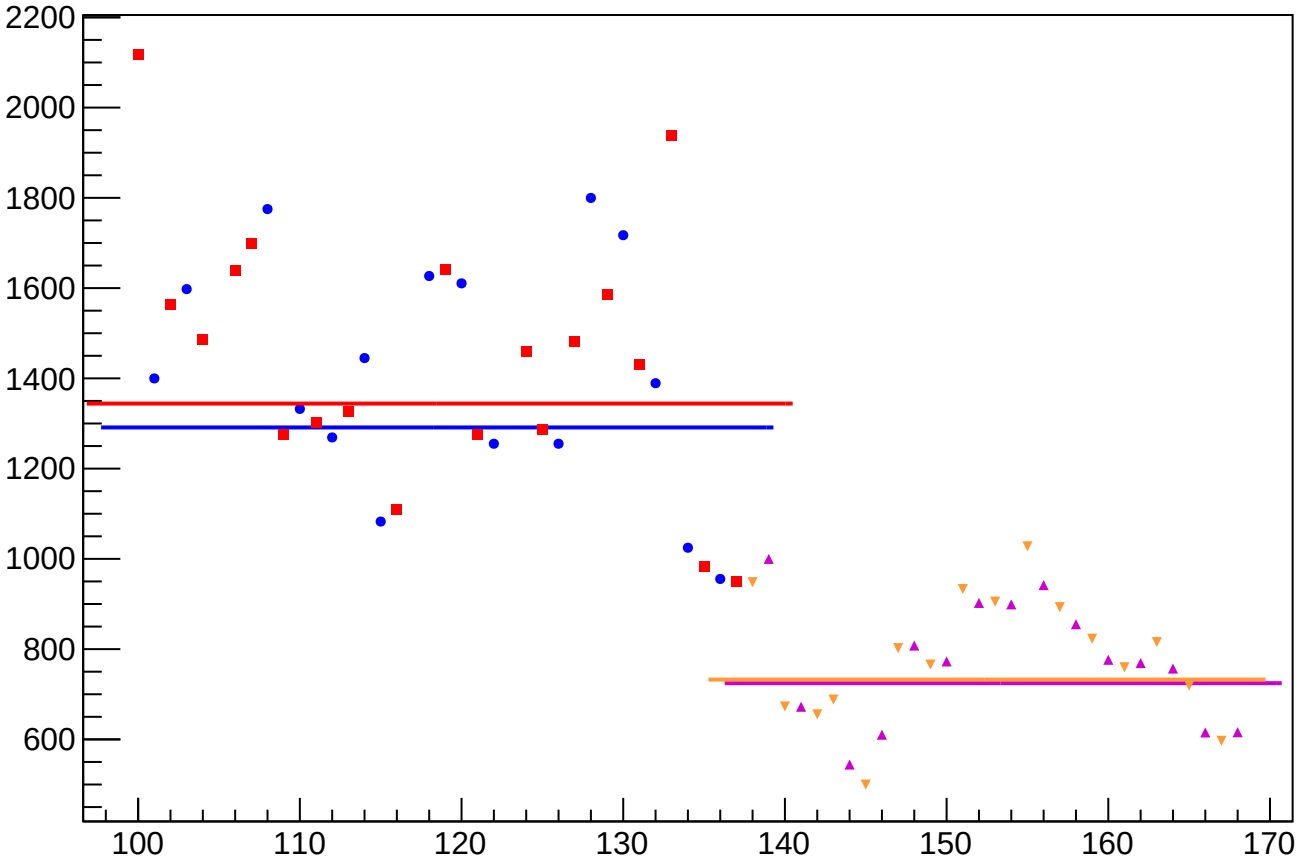
Left In: 94.332+/-0.019 χ^2/NDF:205947.0/14

+ sign 99.266+/-0.016 χ^2/NDF: 871368.0/31

All: 99.119+/-0.011 χ^2/NDF: 1761641.4/65

- sign 98.972+/-0.016 χ^2/NDF: 890106.6/33


asym_sam_2468_avg_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -712.881+/-493.252 χ²/NDF: 20.1/15
Left Out: -1353.483+/-210.546 χ²/NDF:31.6/15
Right Out: -1010.556+/-501.373 χ²/NDF: 11.8/18
Left In: -37.814+/-209.862 χ²/NDF:11.3/14
+ sign -1254.752+/-193.643 χ²/NDF: 53.1/31
All: -718.640+/-136.906 χ²/NDF: 94.7/65
- sign -182.835+/-193.587 χ²/NDF: 26.3/33



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 732.579+/-0.149 χ^2/NDF:927127.4/15

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

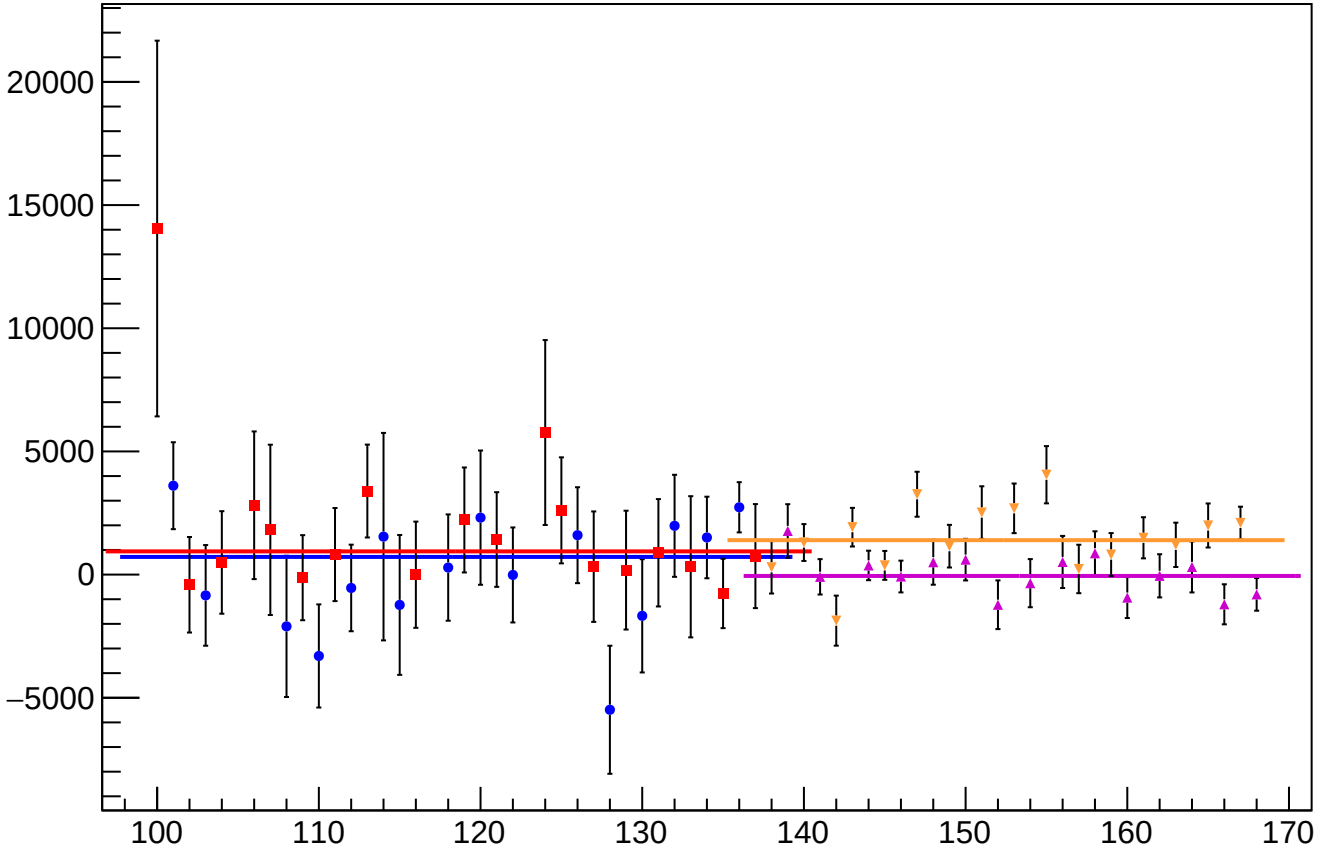
Left In: 724.554+/-0.148 χ^2/NDF:782188.3/14

+ sign 818.678+/-0.137 χ^2/NDF: 3708056.3/31

All: 817.799+/-0.097 χ^2/NDF: 7580034.6/65

- sign 816.921+/-0.137 χ^2/NDF: 3871895.9/33

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1397.448+/-213.765 χ^2/NDF:30.6/15

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

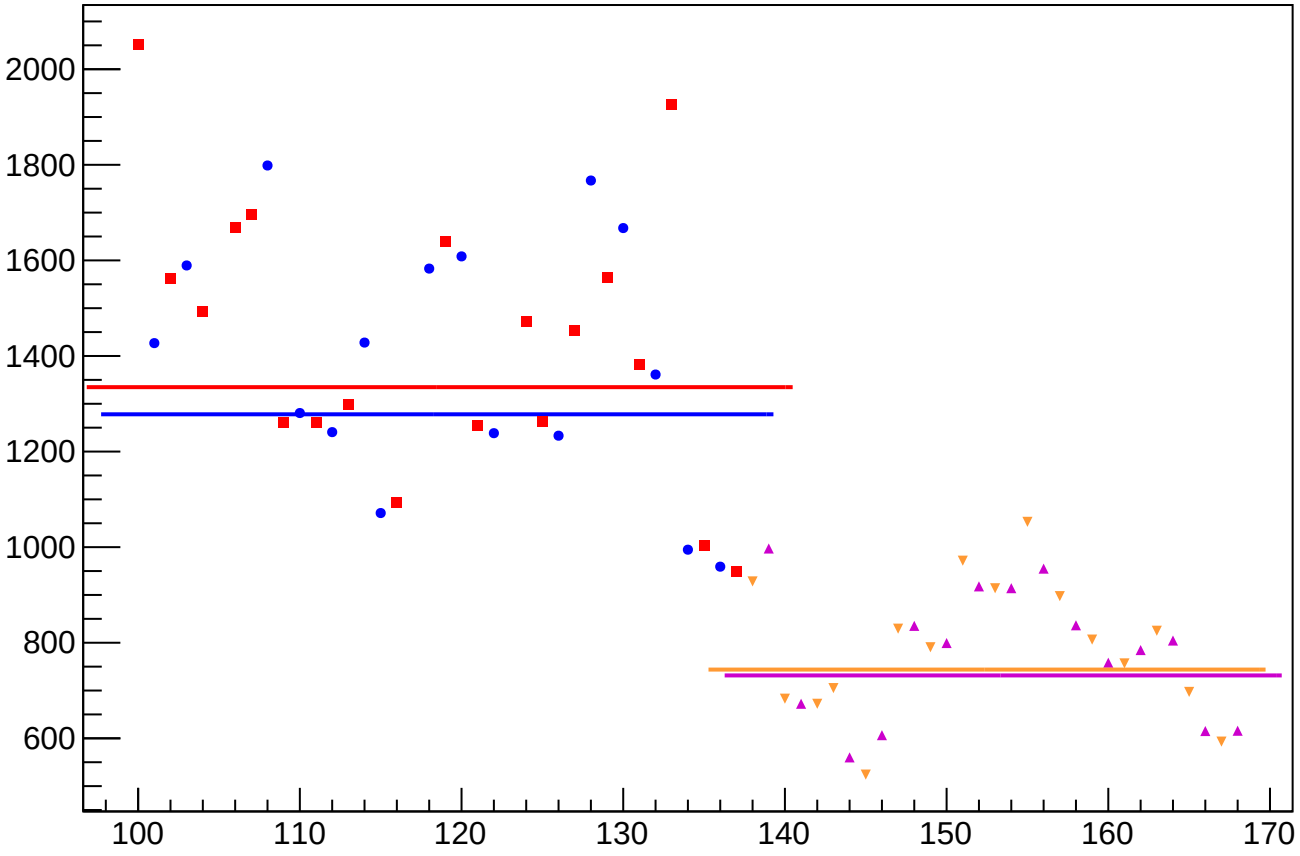
Left In: -54.870+/-211.839 χ^2/NDF:11.7/14

+ sign 1288.092+/-195.819 χ^2/NDF: 53.2/31

All: 690.311+/-138.153 χ^2/NDF: 97.5/65

- sign 97.893+/-194.939 χ^2/NDF: 25.7/33

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 743.843+/-0.151 χ^2/NDF:867986.1/15

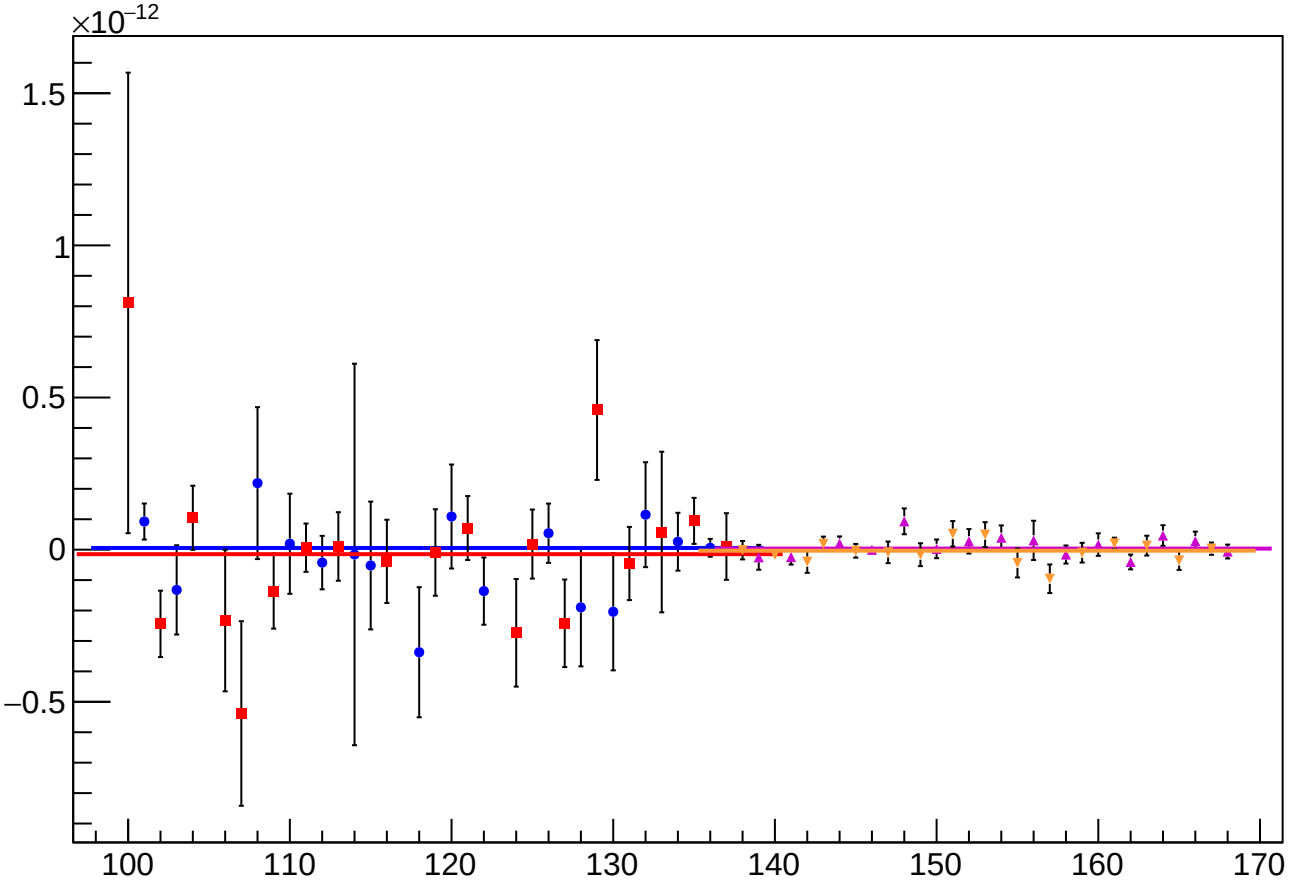
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 731.606+/-0.150 χ^2/NDF:790357.1/14

+ sign 829.764+/-0.138 χ^2/NDF: 3474299.7/31

All: 826.873+/-0.098 χ^2/NDF: 7221367.7/65

- sign 824.009+/-0.138 χ^2/NDF: 3746200.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/15

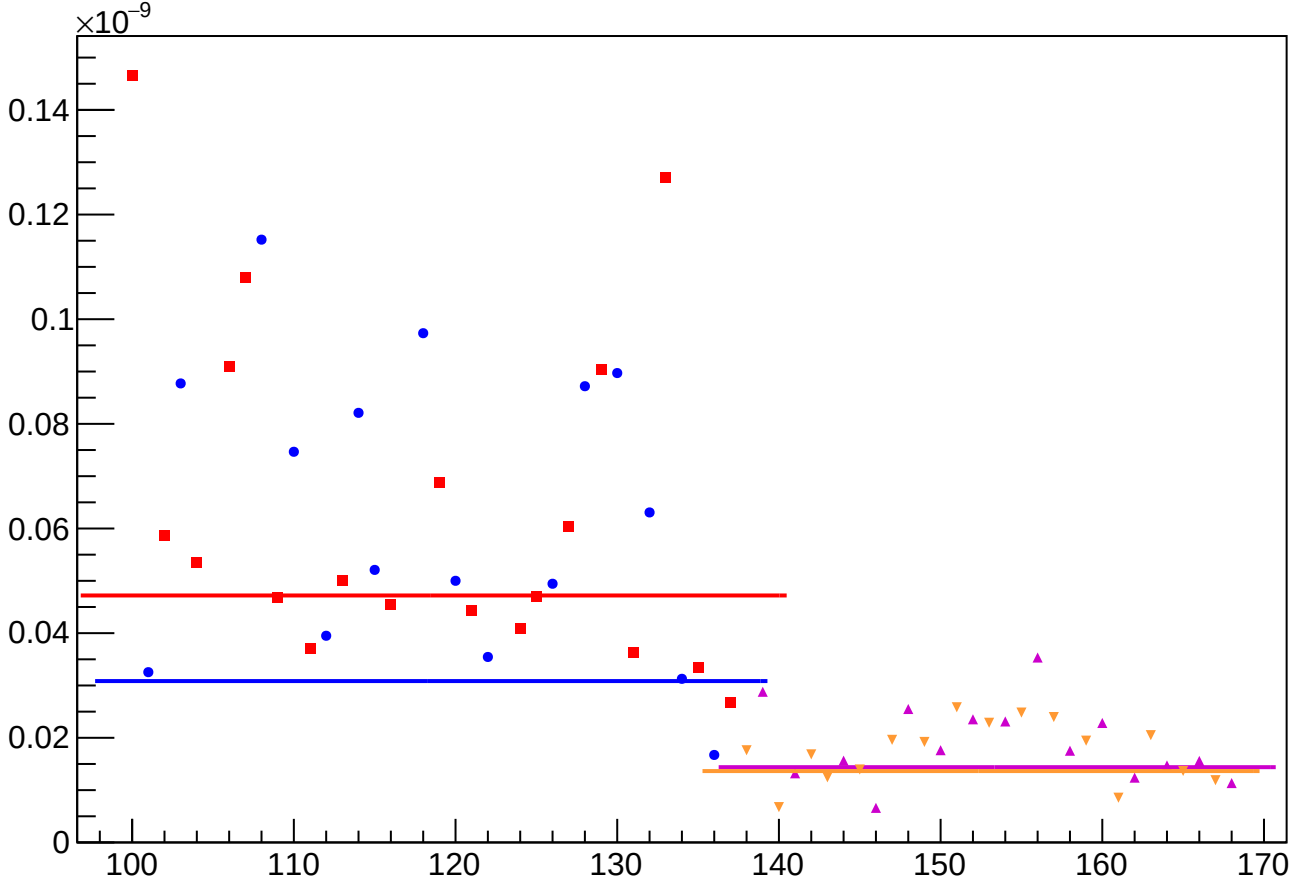
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:14.3/14

+ sign -0.000+/-0.000 χ^2/NDF: 25.6/31

All: -0.000+/-0.000 χ^2/NDF: 64.4/65

- sign 0.000+/-0.000 χ^2/NDF: 38.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1353949.0/15

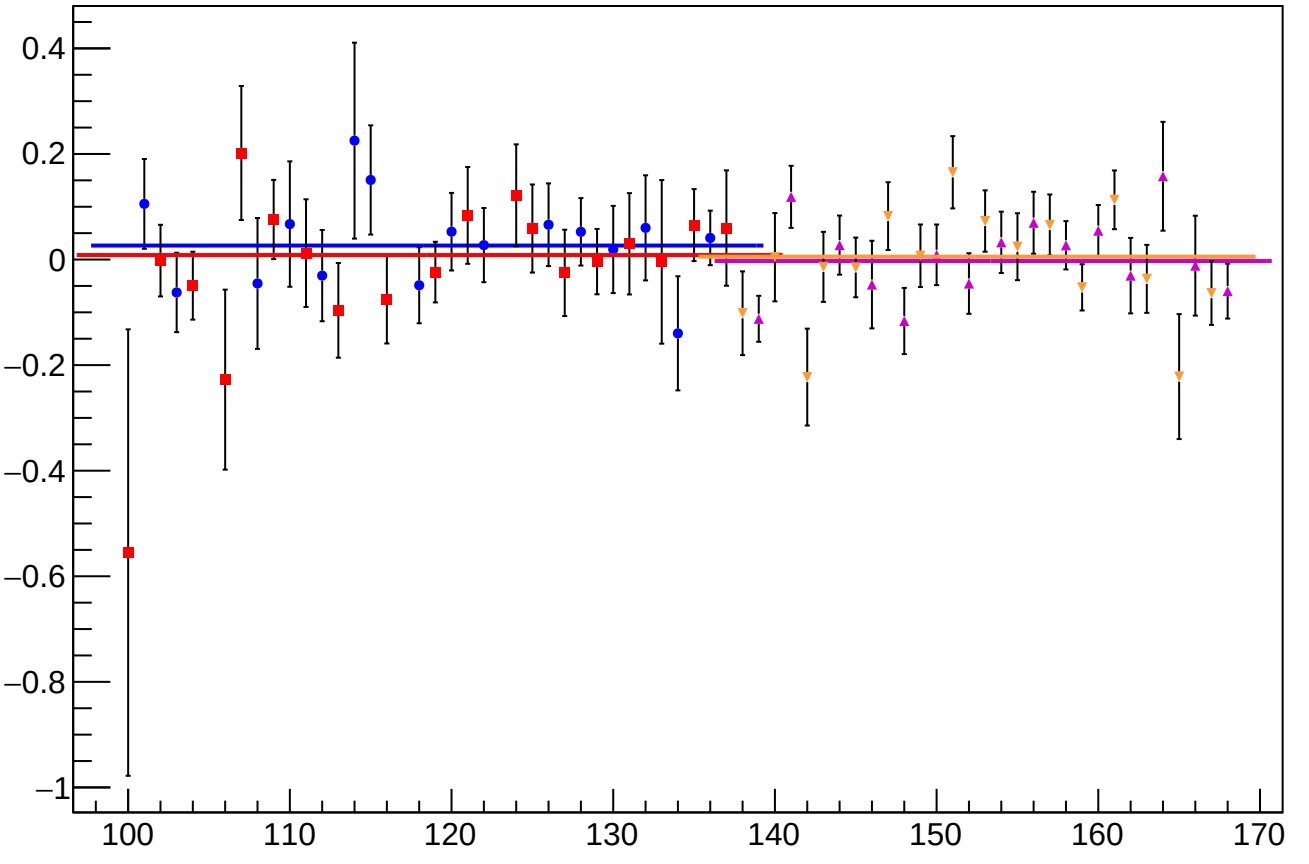
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1576163.4/14

+ sign 0.000+/-0.000 χ^2/NDF: 4423355.5/31

All: 0.000+/-0.000 χ^2/NDF: 9222524.7/65

- sign 0.000+/-0.000 χ^2/NDF: 4770343.7/33



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.005+/-0.016 χ^2/NDF:28.6/15

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

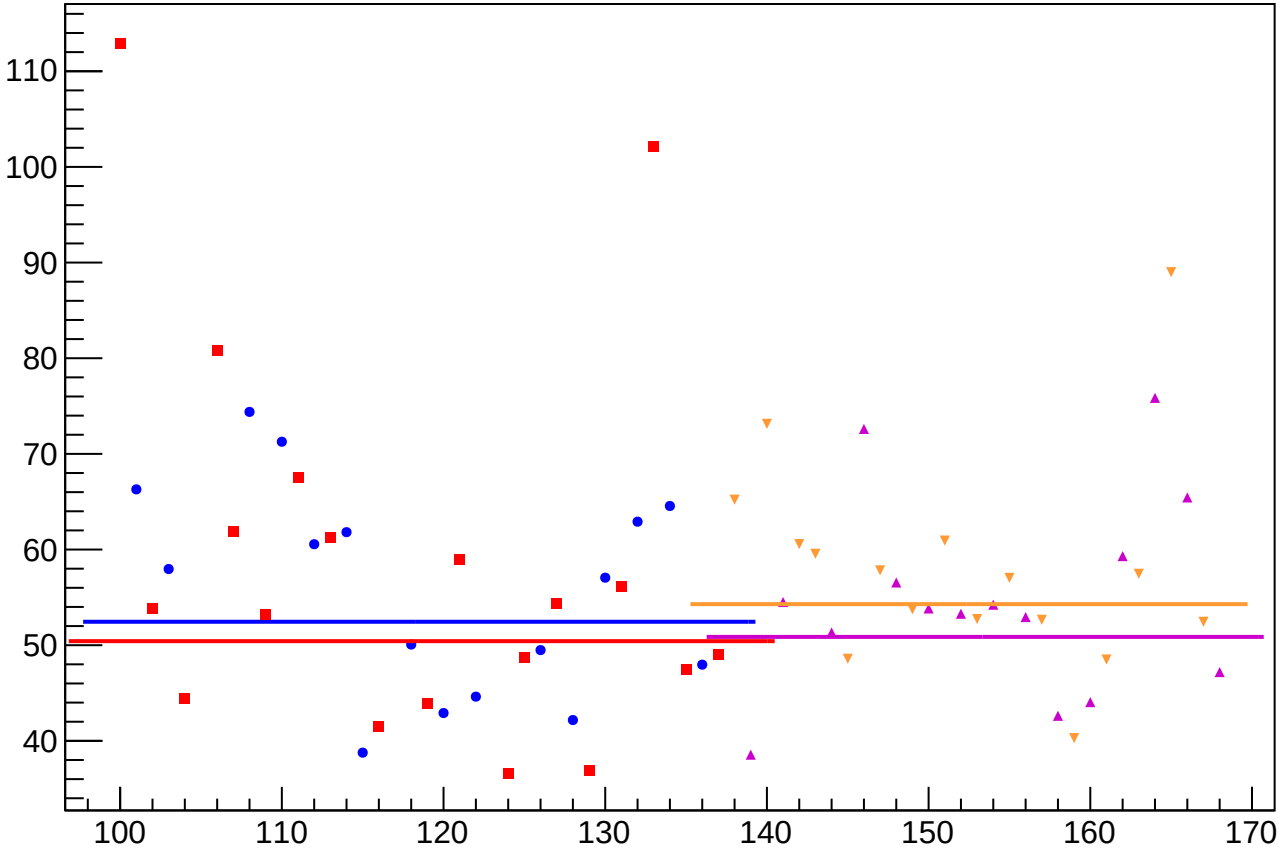
Left In: -0.003+/-0.015 χ^2/NDF:22.5/14

+ sign 0.013+/-0.013 χ^2/NDF: 39.2/31

All: 0.007+/-0.009 χ^2/NDF: 76.3/65

- sign 0.001+/-0.012 χ^2/NDF: 36.7/33

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: 54.293+/-0.011 χ^2/NDF:618532.9/15

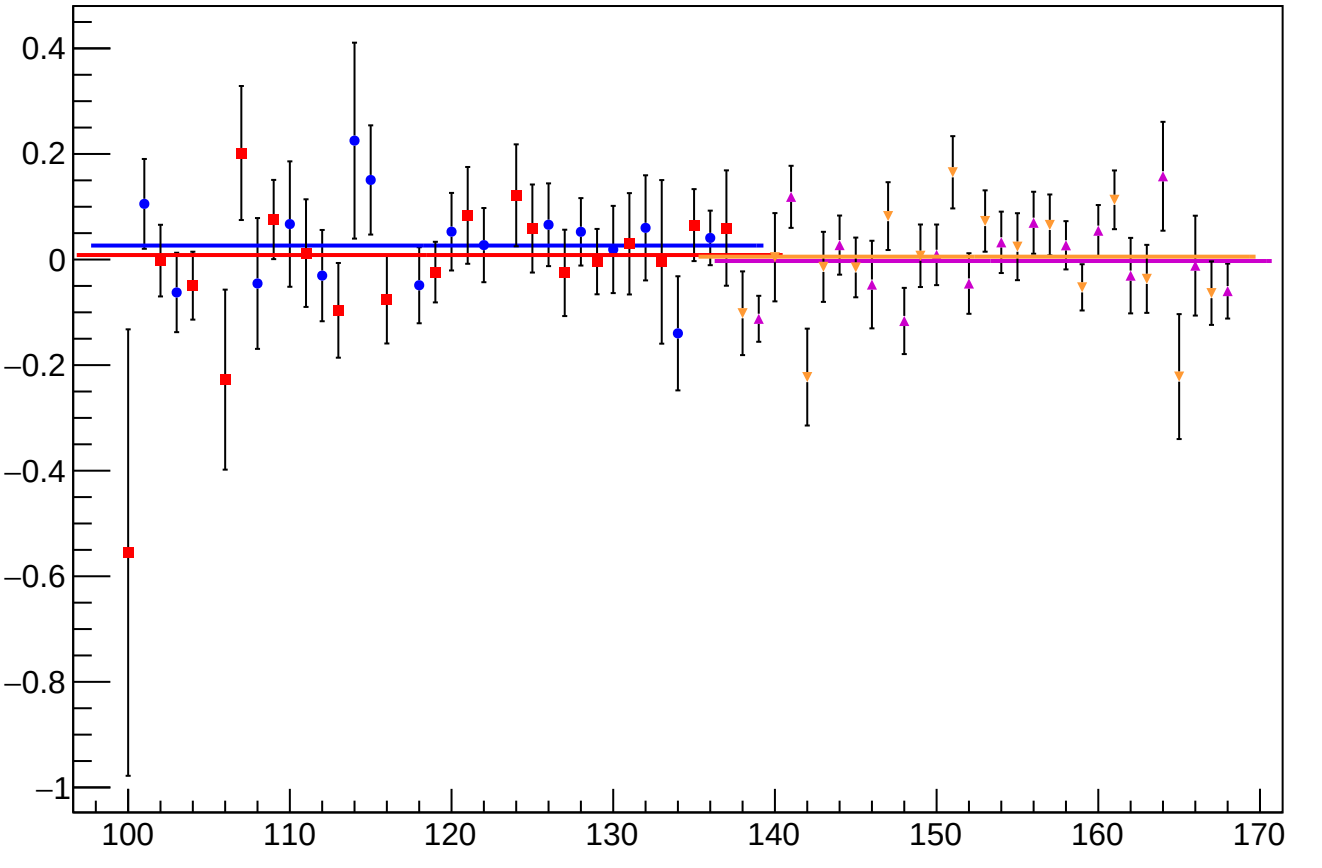
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.867+/-0.011 χ^2/NDF:646948.7/14

+ sign 53.599+/-0.009 χ^2/NDF: 1046717.6/31

All: 52.079+/-0.006 χ^2/NDF: 2427293.9/65

- sign 50.701+/-0.008 χ^2/NDF: 1324347.3/33



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.005+/-0.016 χ^2/NDF:28.6/15

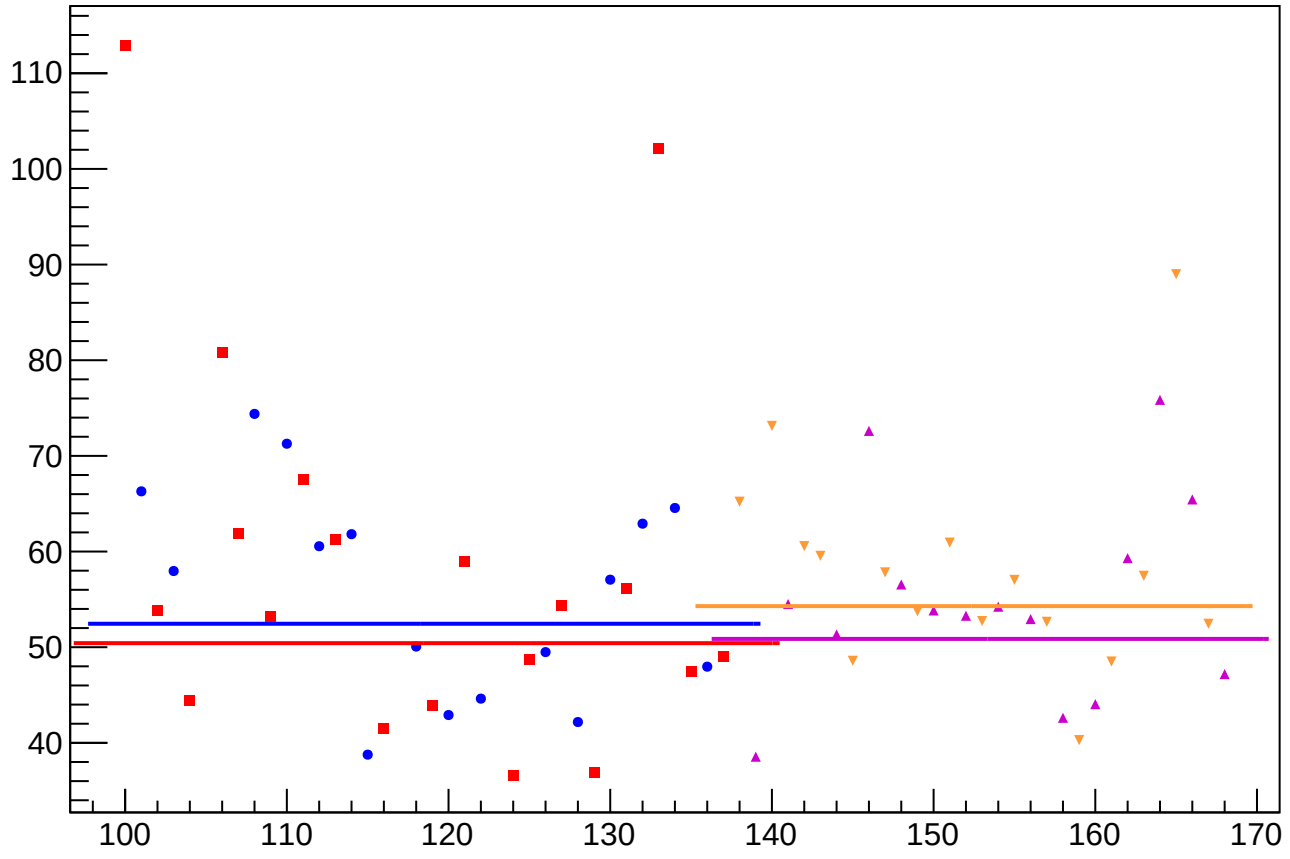
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.015 χ^2/NDF:22.5/14

+ sign 0.013+/-0.013 χ^2/NDF: 39.2/31

All: 0.007+/-0.009 χ^2/NDF: 76.3/65

- sign 0.001+/-0.012 χ^2/NDF: 36.7/33



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 54.293+/-0.011 χ^2/NDF:618532.9/15

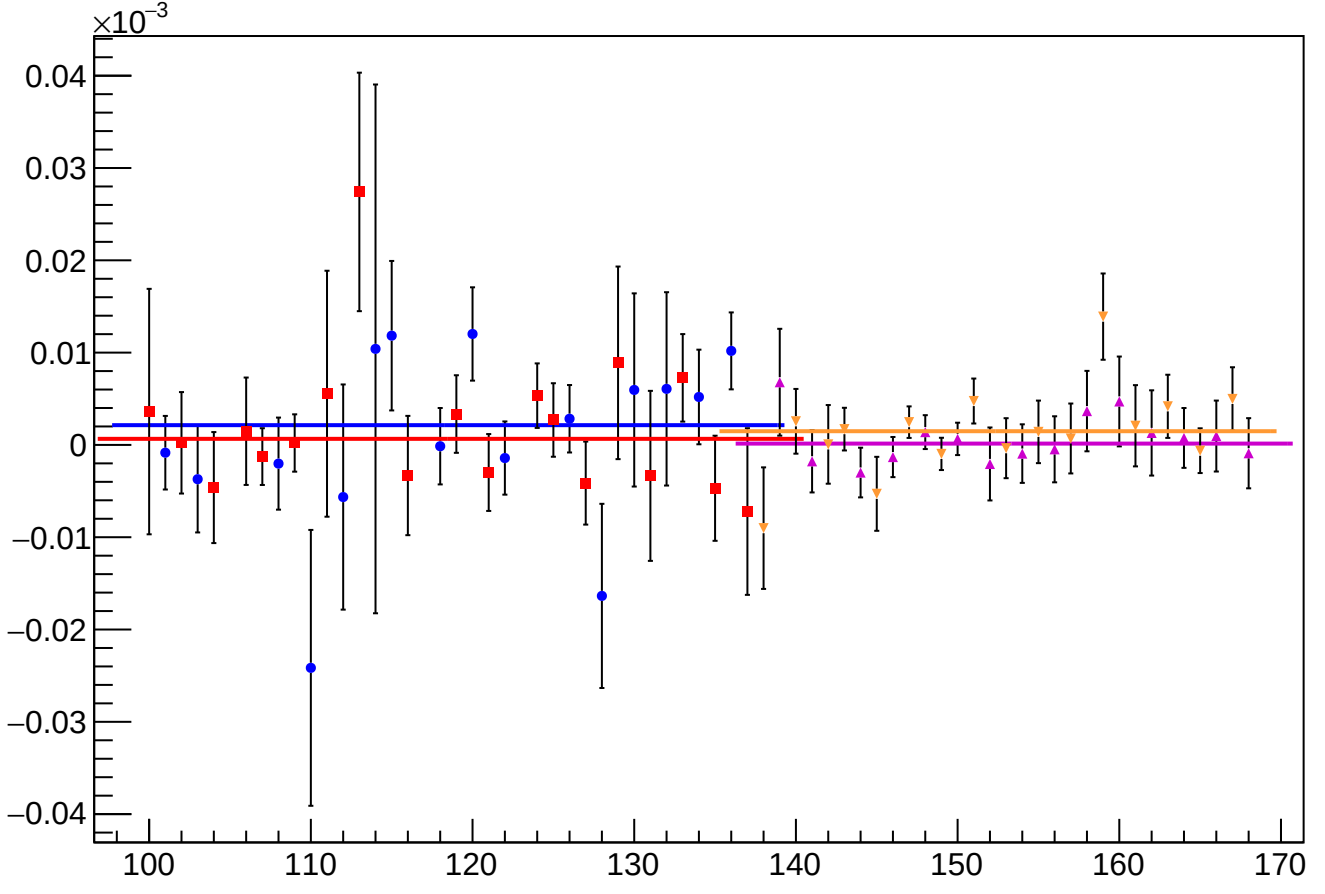
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.867+/-0.011 χ^2/NDF:646948.7/14

+ sign 53.599+/-0.009 χ^2/NDF: 1046717.6/31

All: 52.079+/-0.006 χ^2/NDF: 2427293.9/65

- sign 50.701+/-0.008 χ^2/NDF: 1324347.3/33



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

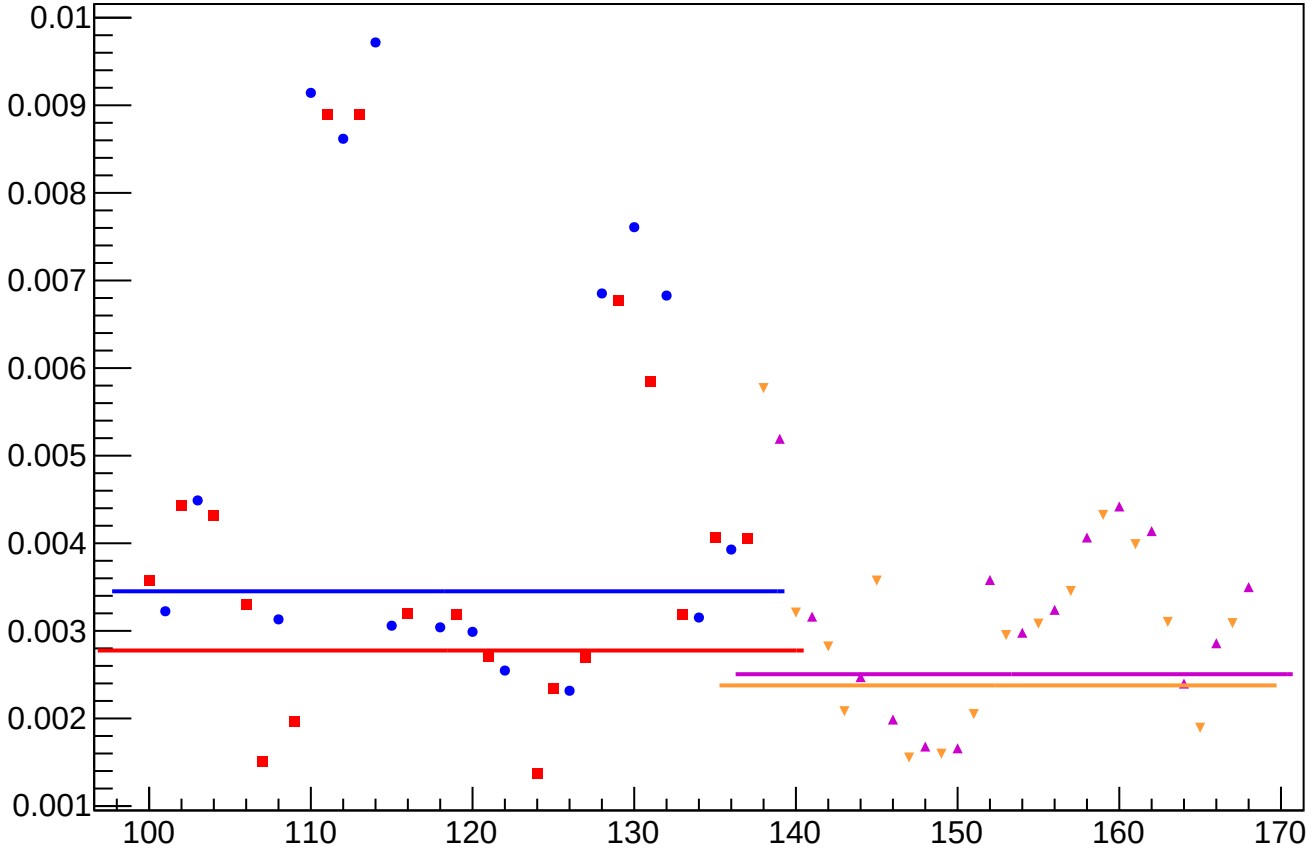
Left In: 0.000+/-0.000 χ^2/NDF:6.2/14

+ sign 0.000+/-0.000 χ^2/NDF: 39.8/31

All: 0.000+/-0.000 χ^2/NDF: 63.2/65

- sign 0.000+/-0.000 χ^2/NDF: 21.2/33

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2957350.5/15

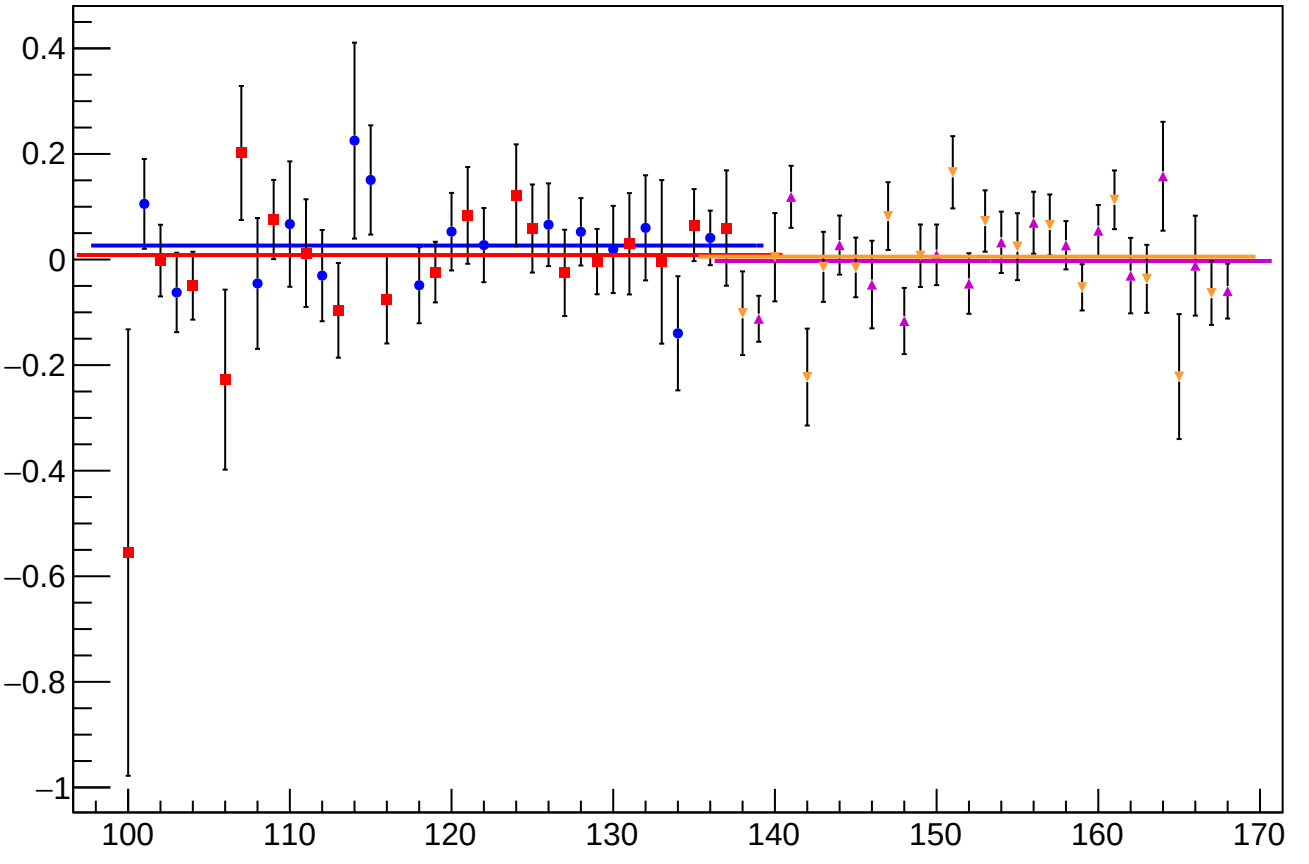
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2740547.3/14

+ sign 0.003+/-0.000 χ^2/NDF: 5855545.9/31

All: 0.003+/-0.000 χ^2/NDF: 11408542.5/65

- sign 0.003+/-0.000 χ^2/NDF: 5552320.7/33



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.005+/-0.016 χ^2/NDF:28.6/15

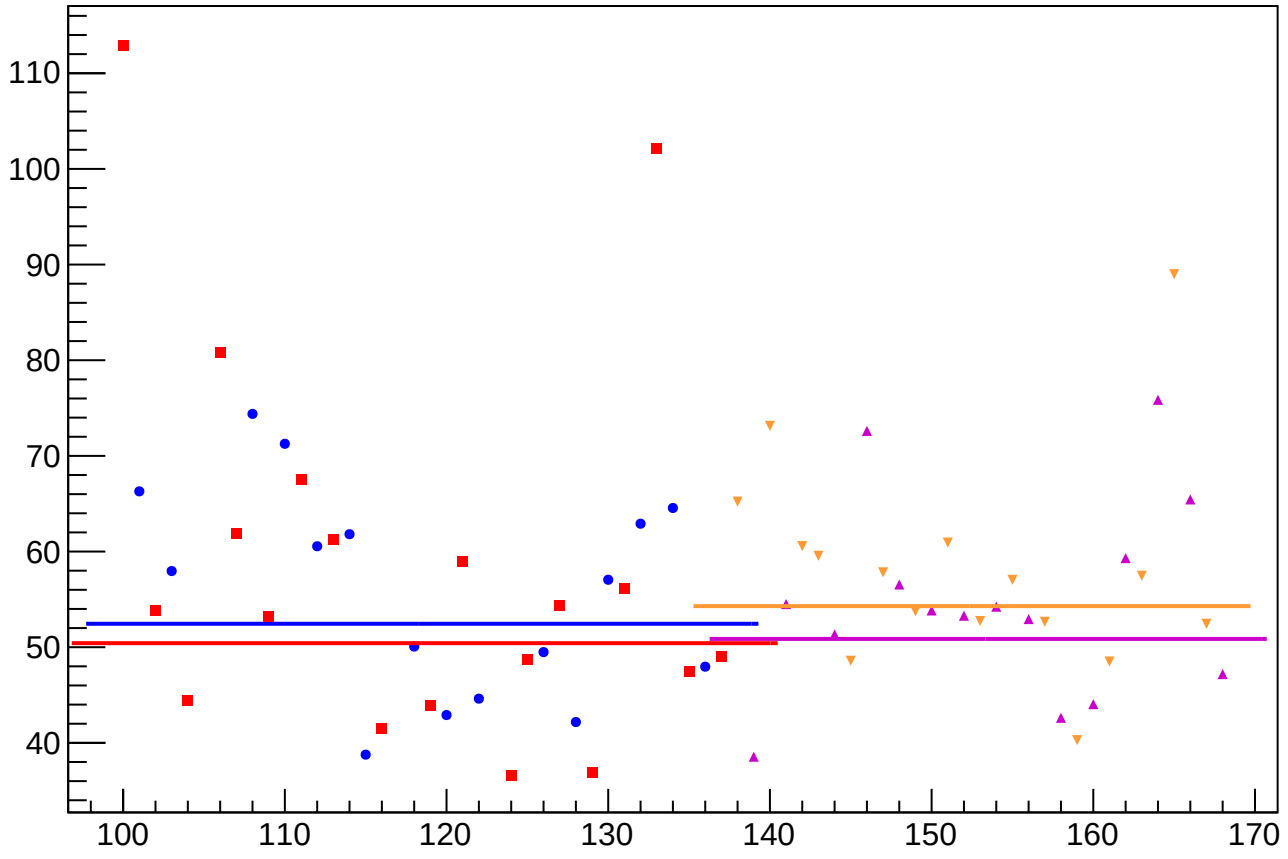
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.015 χ^2/NDF:22.5/14

+ sign 0.013+/-0.013 χ^2/NDF: 39.2/31

All: 0.007+/-0.009 χ^2/NDF: 76.3/65

- sign 0.001+/-0.012 χ^2/NDF: 36.7/33



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 54.294+/-0.011 χ^2/NDF:618549.2/15

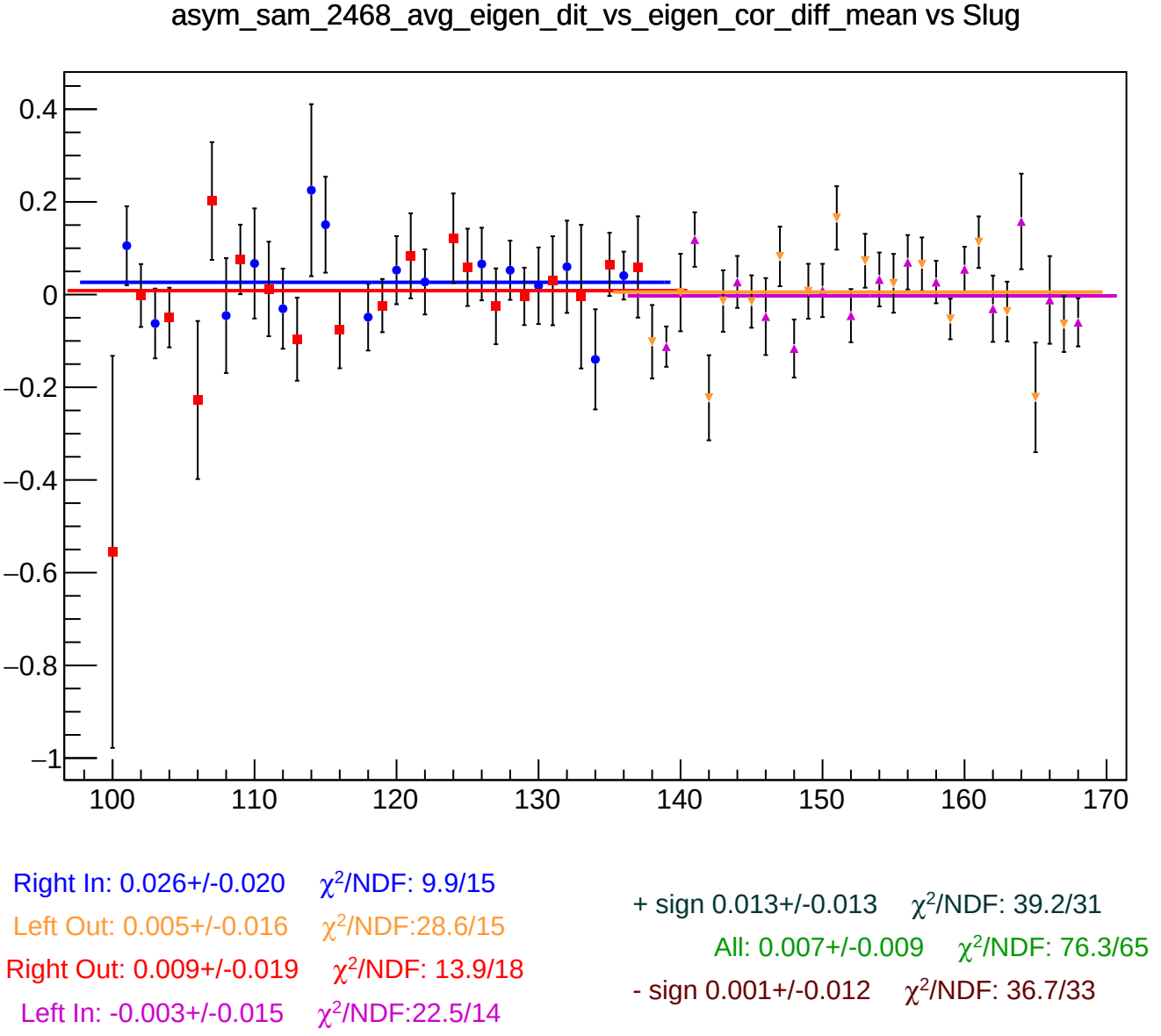
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

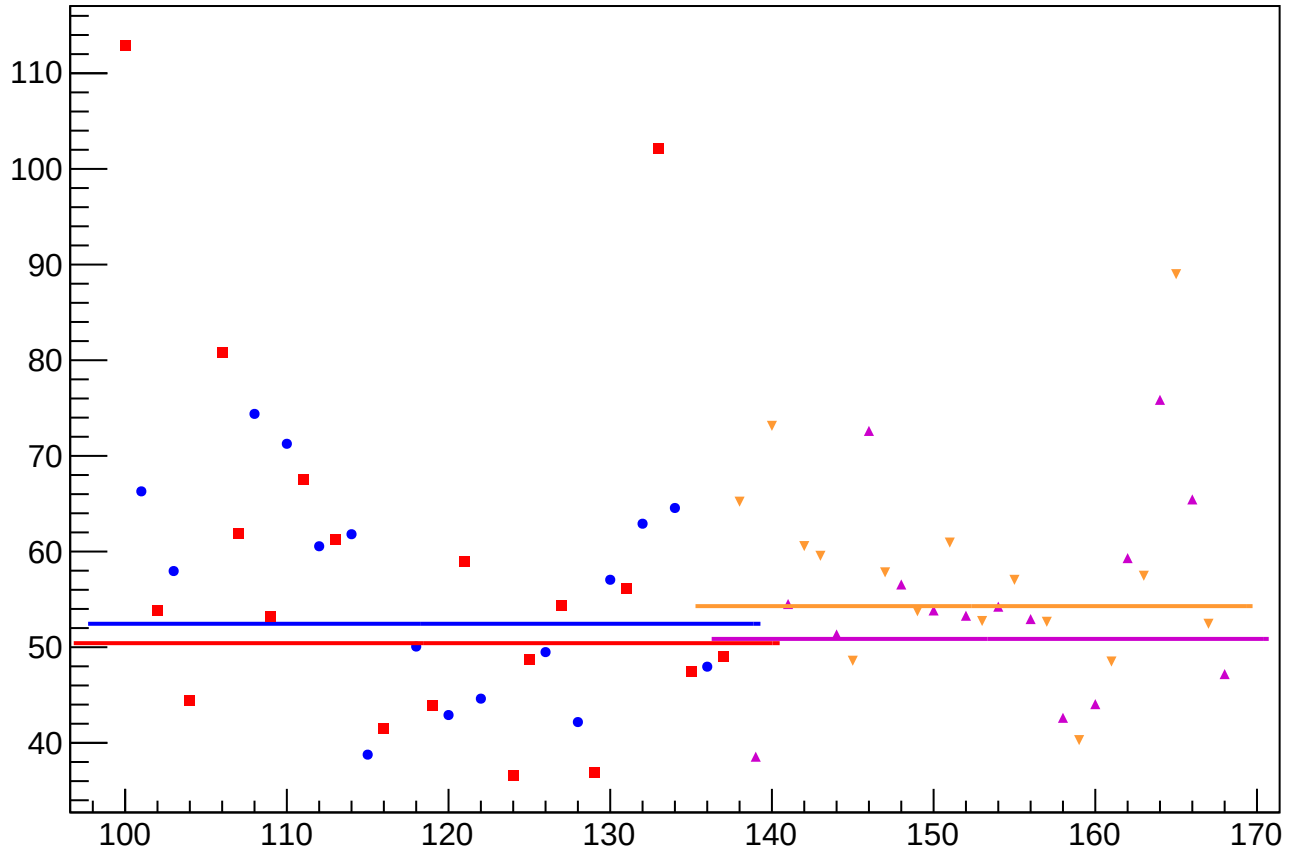
Left In: 50.868+/-0.011 χ^2/NDF:647034.7/14

+ sign 53.599+/-0.009 χ^2/NDF: 1046703.8/31

All: 52.079+/-0.006 χ^2/NDF: 2427379.6/65

- sign 50.701+/-0.008 χ^2/NDF: 1324443.5/33


asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
Right In: 0.026+/-0.020 χ²/NDF: 9.9/15
Left Out: 0.005+/-0.016 χ²/NDF:28.6/15
Right Out: 0.009+/-0.019 χ²/NDF: 13.9/18
Left In: -0.003+/-0.015 χ²/NDF:22.5/14
+ sign 0.013+/-0.013 χ²/NDF: 39.2/31
All: 0.007+/-0.009 χ²/NDF: 76.3/65
- sign 0.001+/-0.012 χ²/NDF: 36.7/33



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 54.294+/-0.011 χ^2/NDF:618549.2/15

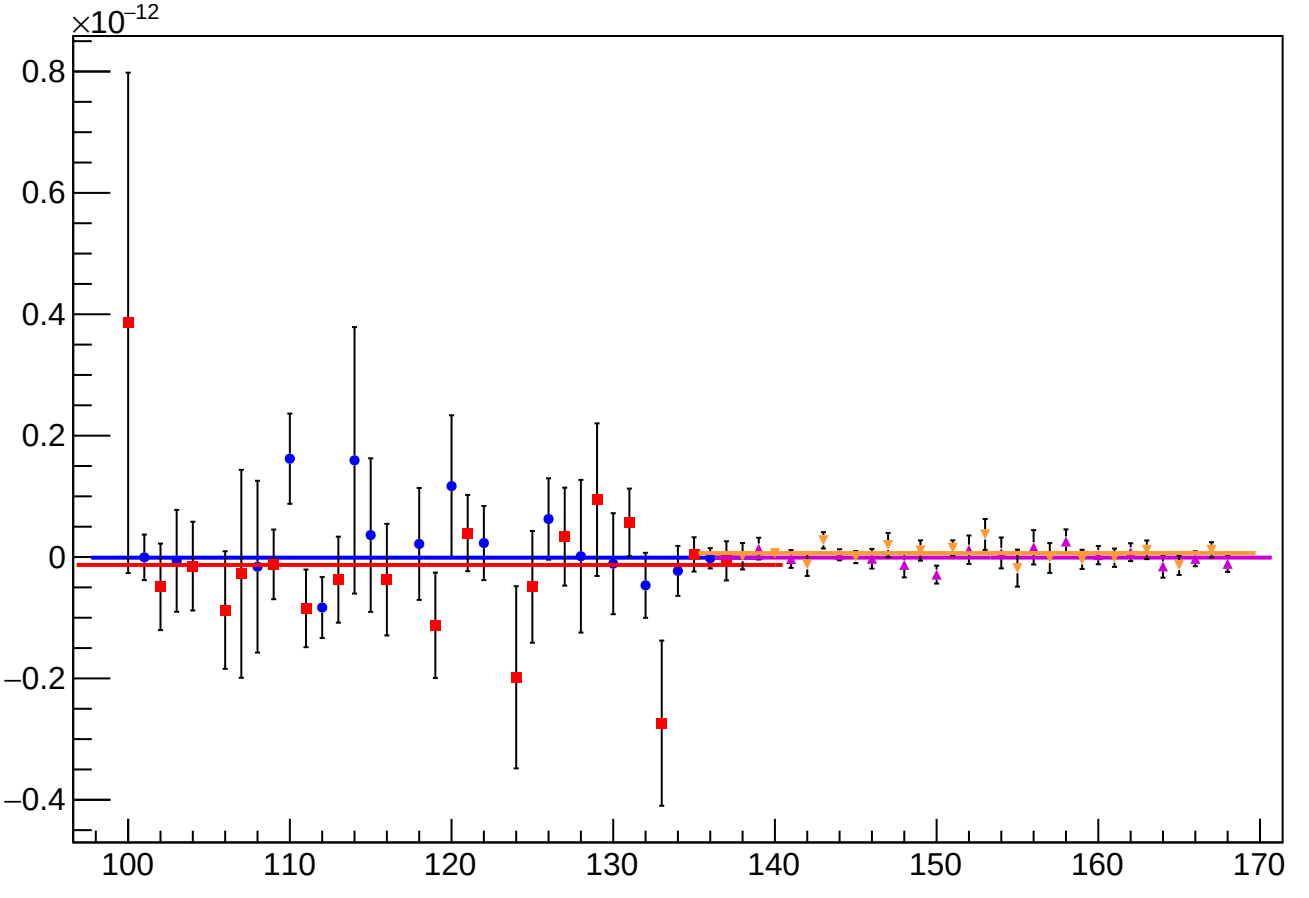
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.868+/-0.011 χ^2/NDF:647034.7/14

+ sign 53.599+/-0.009 χ^2/NDF: 1046703.8/31

All: 52.079+/-0.006 χ^2/NDF: 2427379.6/65

- sign 50.701+/-0.008 χ^2/NDF: 1324443.5/33



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/15

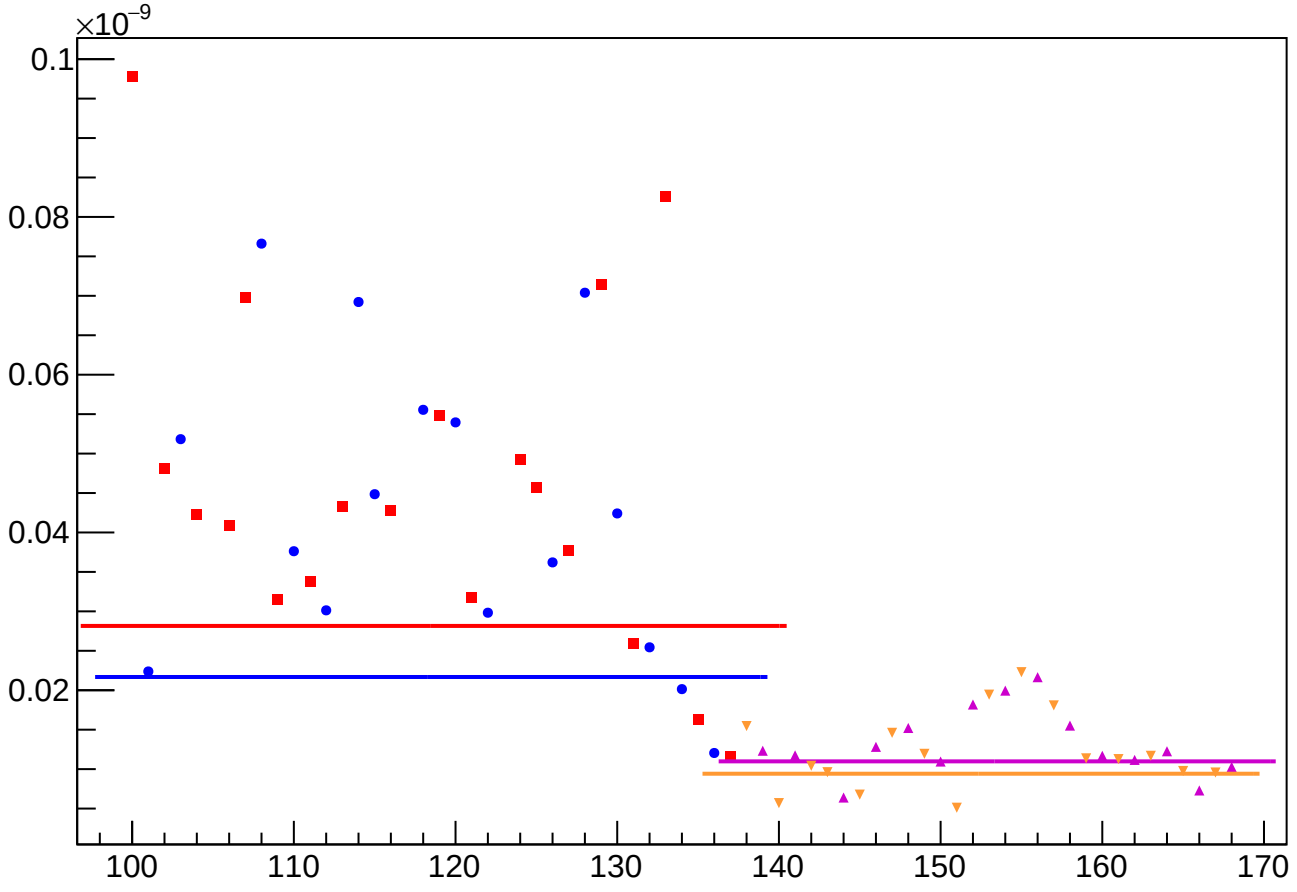
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: -0.000+/-0.000 χ^2/NDF:9.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 21.3/31

All: 0.000+/-0.000 χ^2/NDF: 46.9/65

- sign -0.000+/-0.000 χ^2/NDF: 23.4/33



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2160256.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

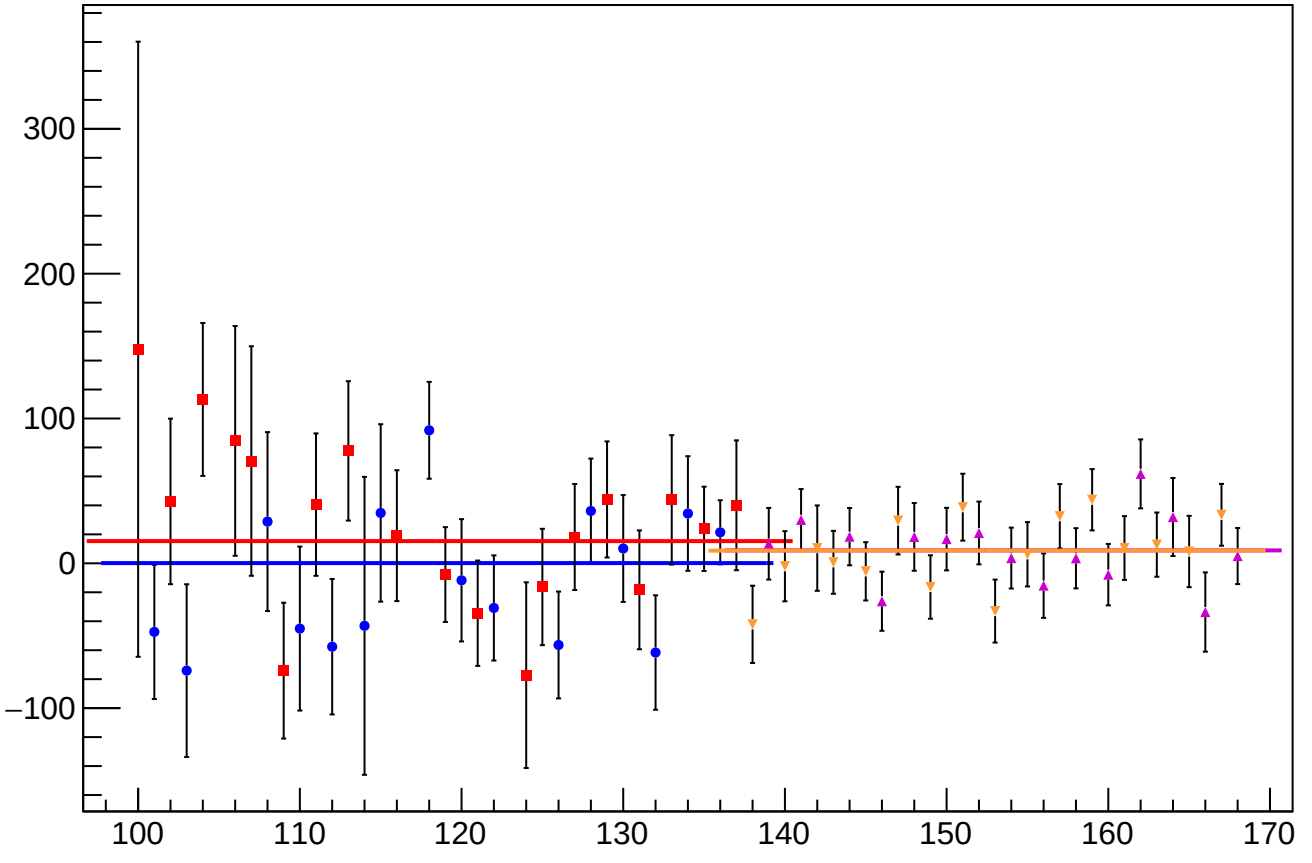
Left In: 0.000+/-0.000 χ^2/NDF:1663368.4/14

+ sign 0.000+/-0.000 χ^2/NDF: 6600078.9/31

All: 0.000+/-0.000 χ^2/NDF: 13474593.6/65

- sign 0.000+/-0.000 χ^2/NDF: 6648775.4/33

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 8.767+/-5.682 χ^2/NDF:17.3/15

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

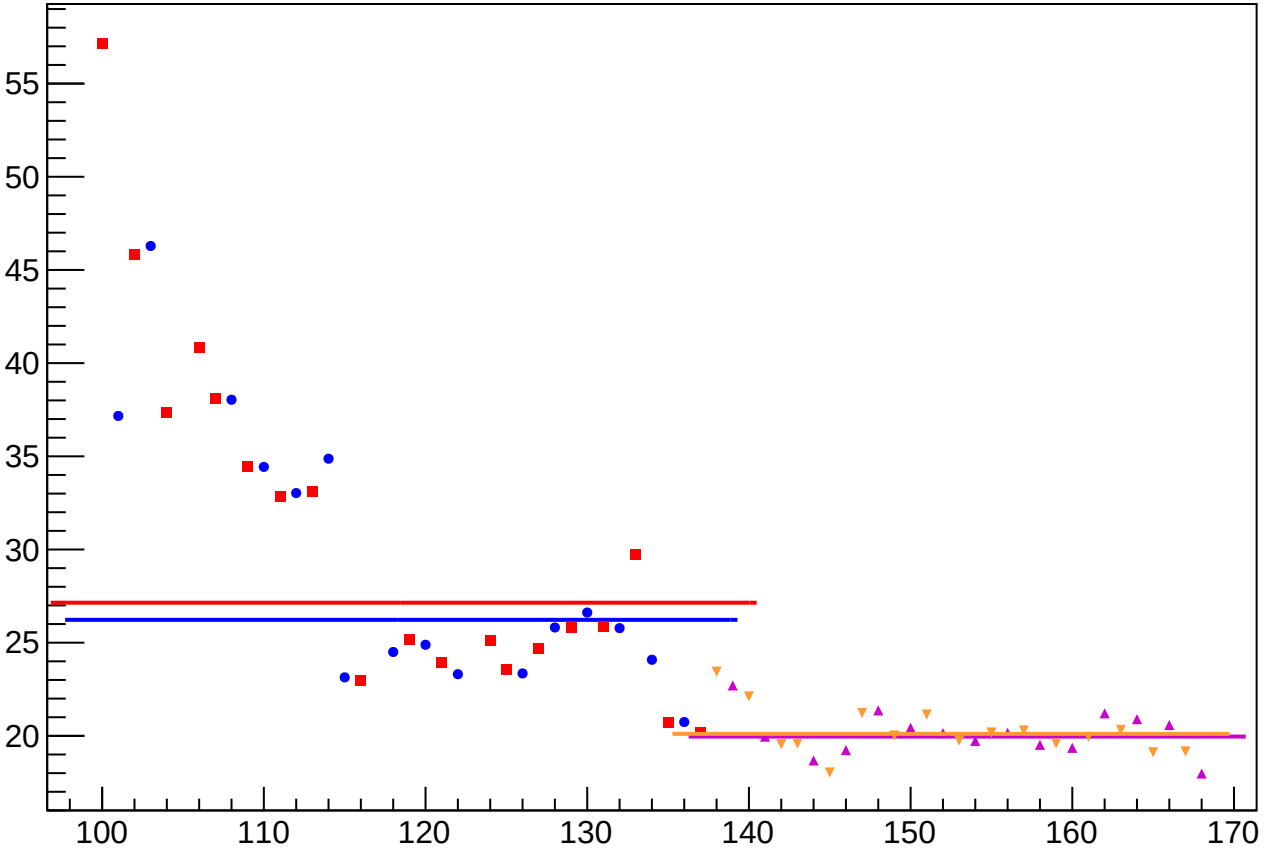
Left In: 8.931+/-5.692 χ^2/NDF:14.9/14

+ sign 6.681+/-4.946 χ^2/NDF: 39.1/31

All: 8.546+/-3.509 χ^2/NDF: 72.5/65

- sign 10.436+/-4.978 χ^2/NDF: 33.1/33

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.109+/-0.004 χ^2/NDF:86141.5/15

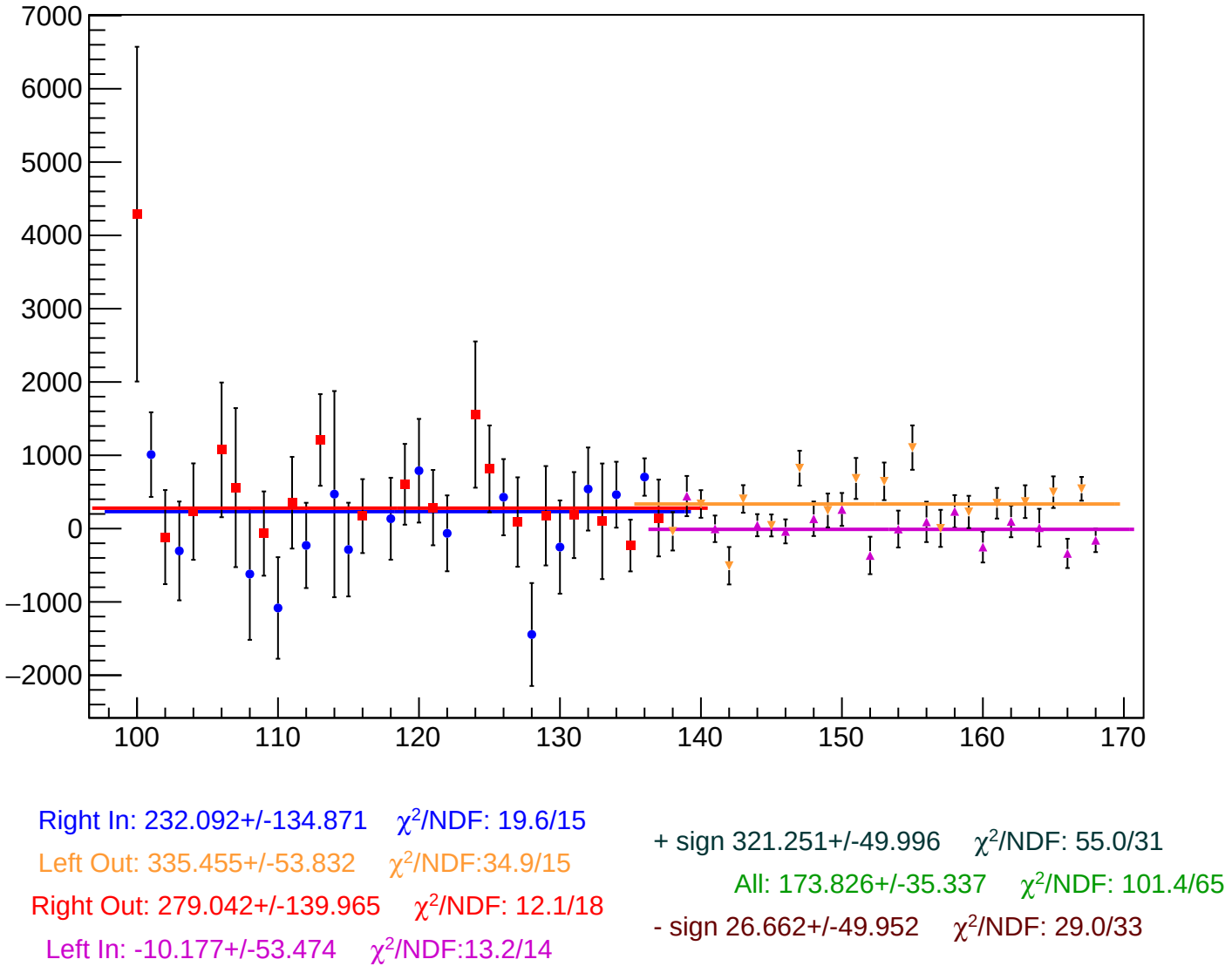
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

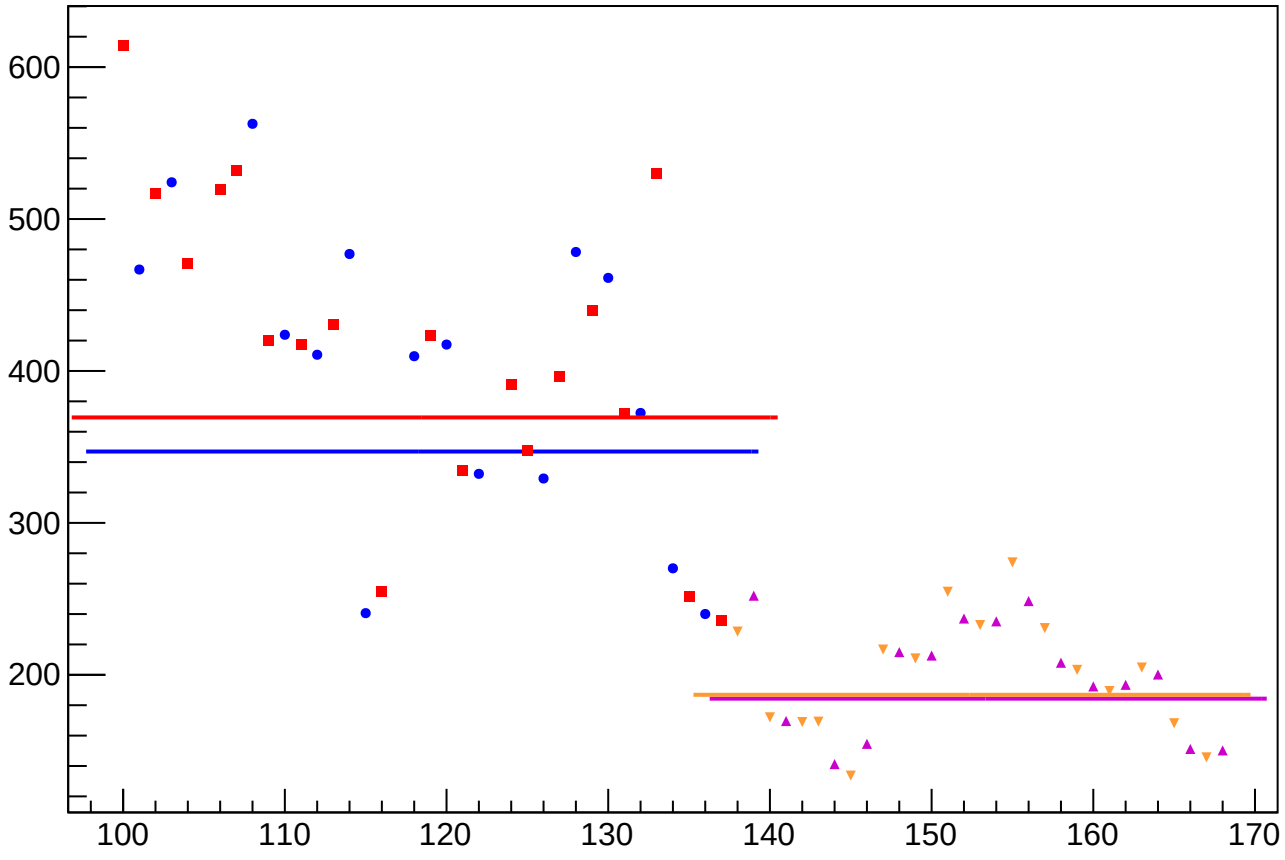
Left In: 19.962+/-0.004 χ^2/NDF:76725.8/14

+ sign 21.591+/-0.003 χ^2/NDF: 1324061.7/31

All: 21.621+/-0.002 χ^2/NDF: 2905205.1/65

- sign 21.651+/-0.004 χ^2/NDF: 1580998.0/33


asym_sam_1357_2468_dd_reg_correction_mean vs Slug
7000
6000
5000
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: 232.092+/-134.871 χ²/NDF: 19.6/15
Left Out: 335.455+/-53.832 χ²/NDF:34.9/15
Right Out: 279.042+/-139.965 χ²/NDF: 12.1/18
Left In: -10.177+/-53.474 χ²/NDF:13.2/14
+ sign 321.251+/-49.996 χ²/NDF: 55.0/31
All: 173.826+/-35.337 χ²/NDF: 101.4/65
- sign 26.662+/-49.952 χ²/NDF: 29.0/33



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 186.864+/-0.038 χ^2/NDF:972196.3/15

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

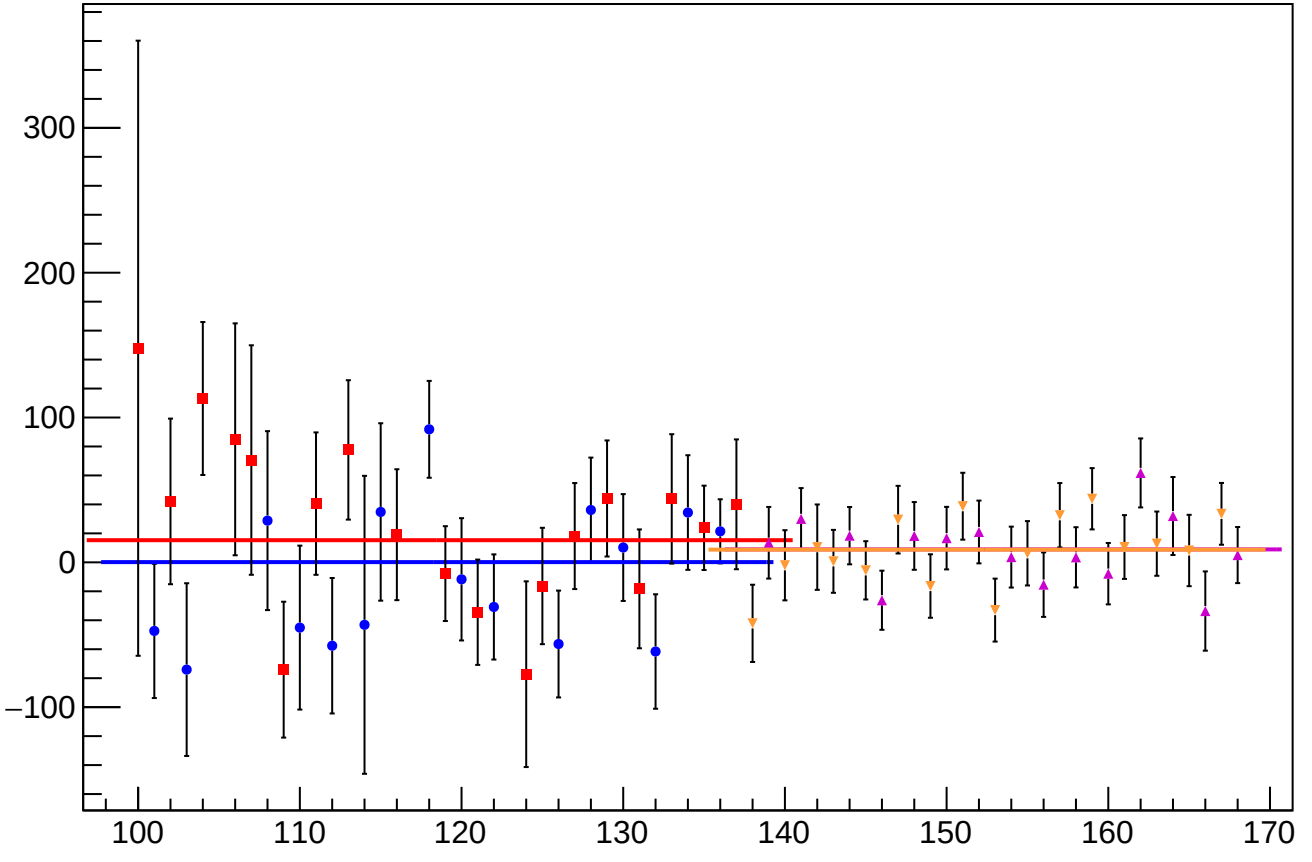
Left In: 184.317+/-0.038 χ^2/NDF:886103.5/14

+ sign 208.865+/-0.035 χ^2/NDF: 4461335.6/31

All: 208.379+/-0.025 χ^2/NDF: 9318772.6/65

- sign 207.893+/-0.035 χ^2/NDF: 4857058.6/33

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 8.767+/-5.682 χ^2/NDF:17.3/15

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

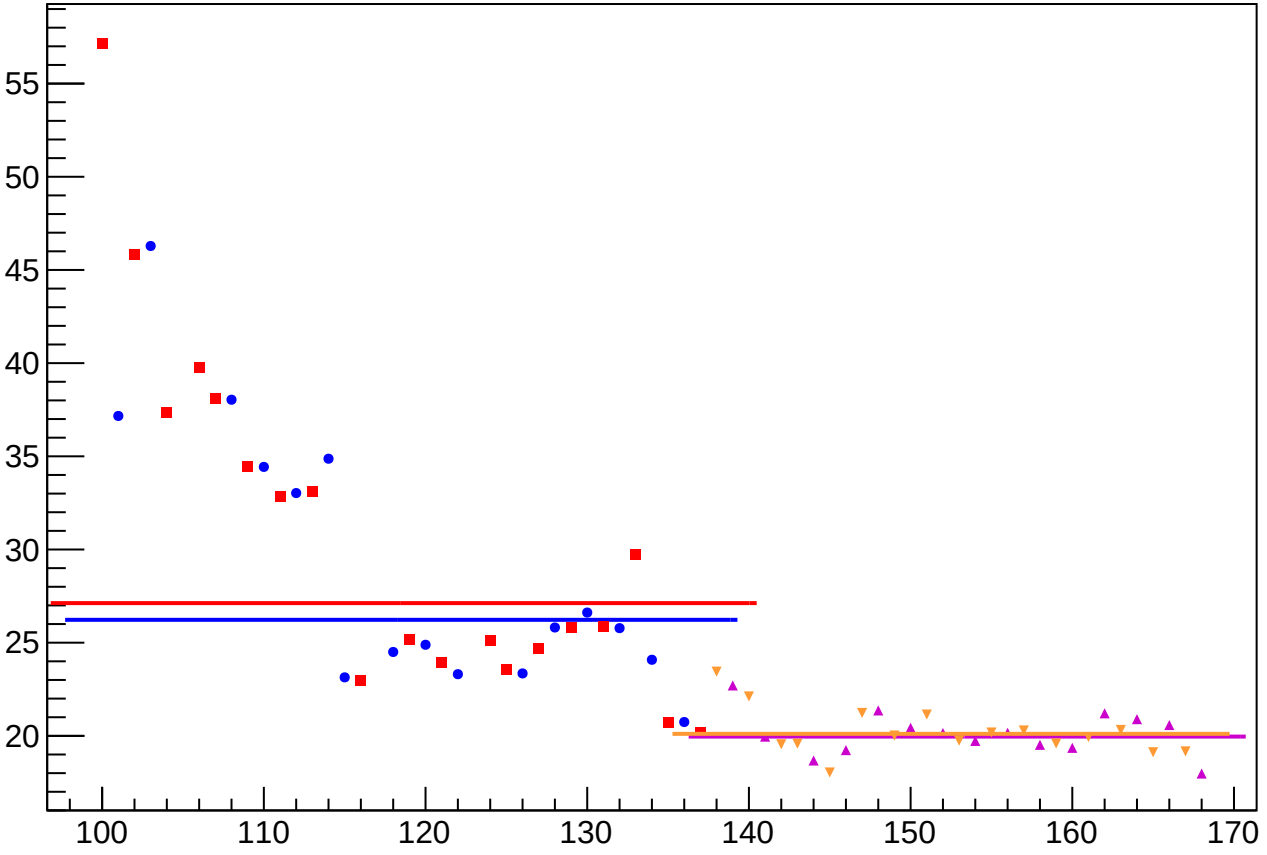
Left In: 8.931+/-5.692 χ^2/NDF:14.9/14

+ sign 6.681+/-4.946 χ^2/NDF: 39.1/31

All: 8.541+/-3.509 χ^2/NDF: 72.5/65

- sign 10.426+/-4.978 χ^2/NDF: 33.1/33

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.109+/-0.004 χ^2/NDF:86141.5/15

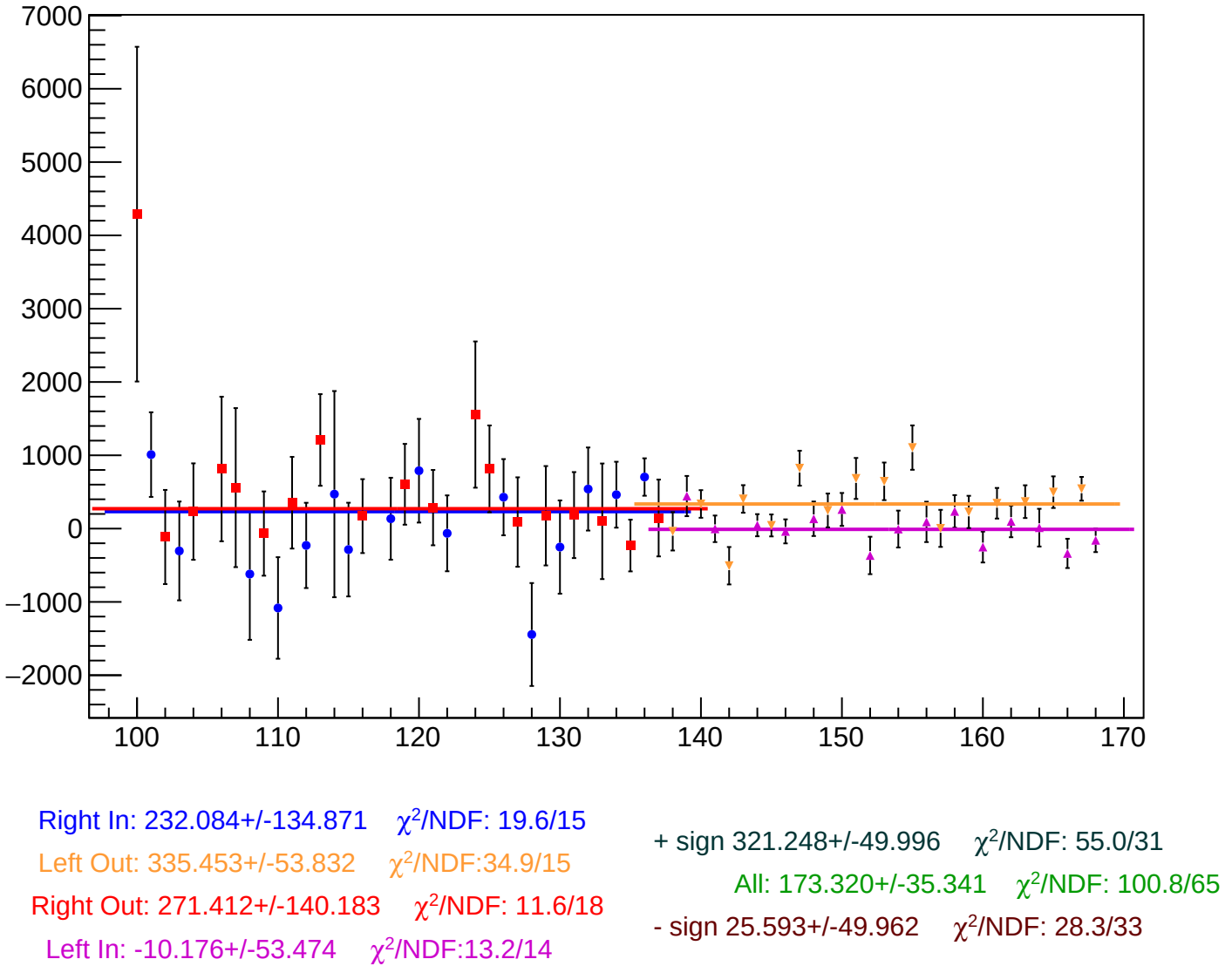
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.962+/-0.004 χ^2/NDF:76725.8/14

+ sign 21.591+/-0.003 χ^2/NDF: 1324065.0/31

All: 21.618+/-0.002 χ^2/NDF: 2890687.1/65

- sign 21.645+/-0.004 χ^2/NDF: 1566502.5/33


asym_sam_1357_2468_dd_cor_correction_mean vs Slug
7000
6000
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1000
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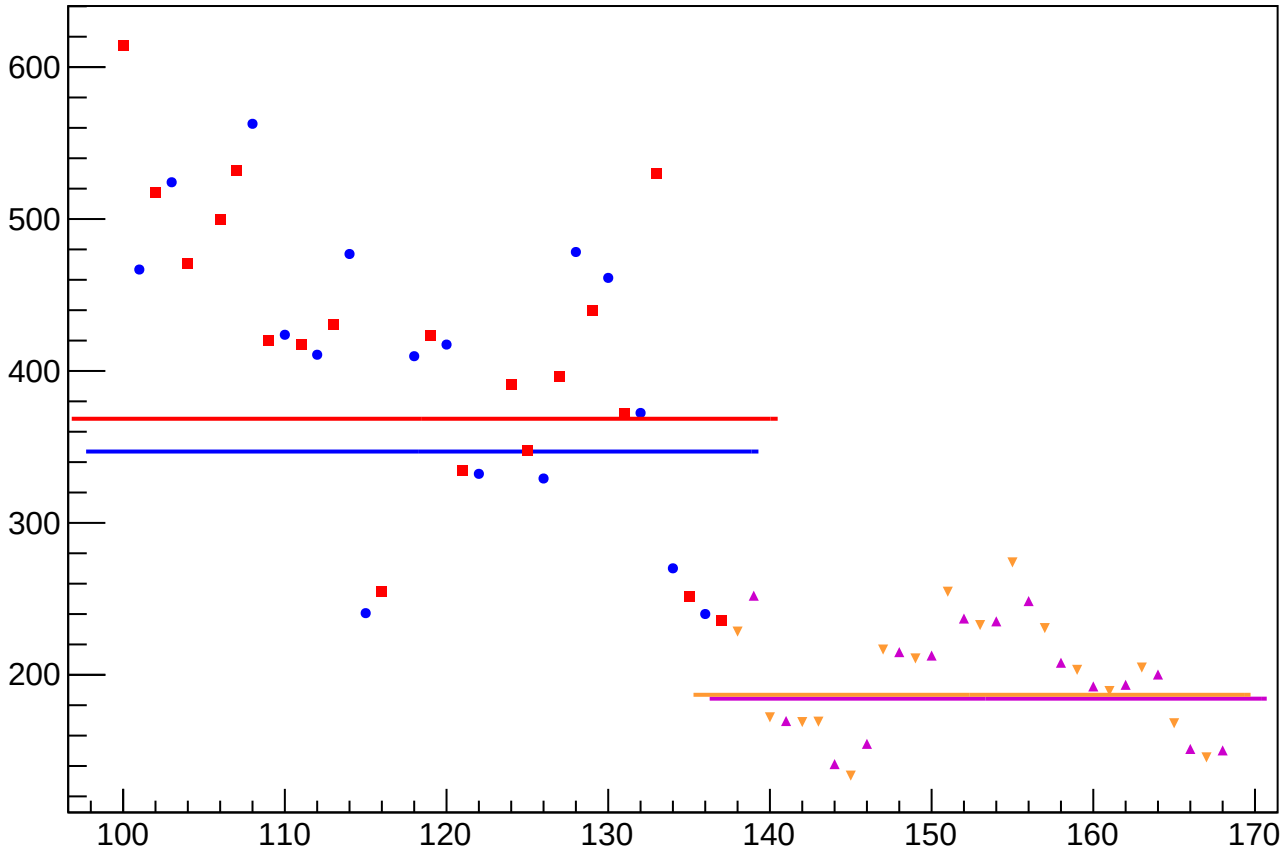
−1000
−2000
100
110
120
130
140
150
160
170
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 335.453+/-53.832 χ²/NDF:34.9/15
Right Out: 271.412+/-140.183 χ²/NDF: 11.6/18
Left In: -10.176+/-53.474 χ²/NDF:13.2/14
+ sign 321.248+/-49.996 χ²/NDF: 55.0/31
All: 173.320+/-35.341 χ²/NDF: 100.8/65
- sign 25.593+/-49.962 χ²/NDF: 28.3/33



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 186.864+/-0.038 χ^2/NDF:972199.4/15

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

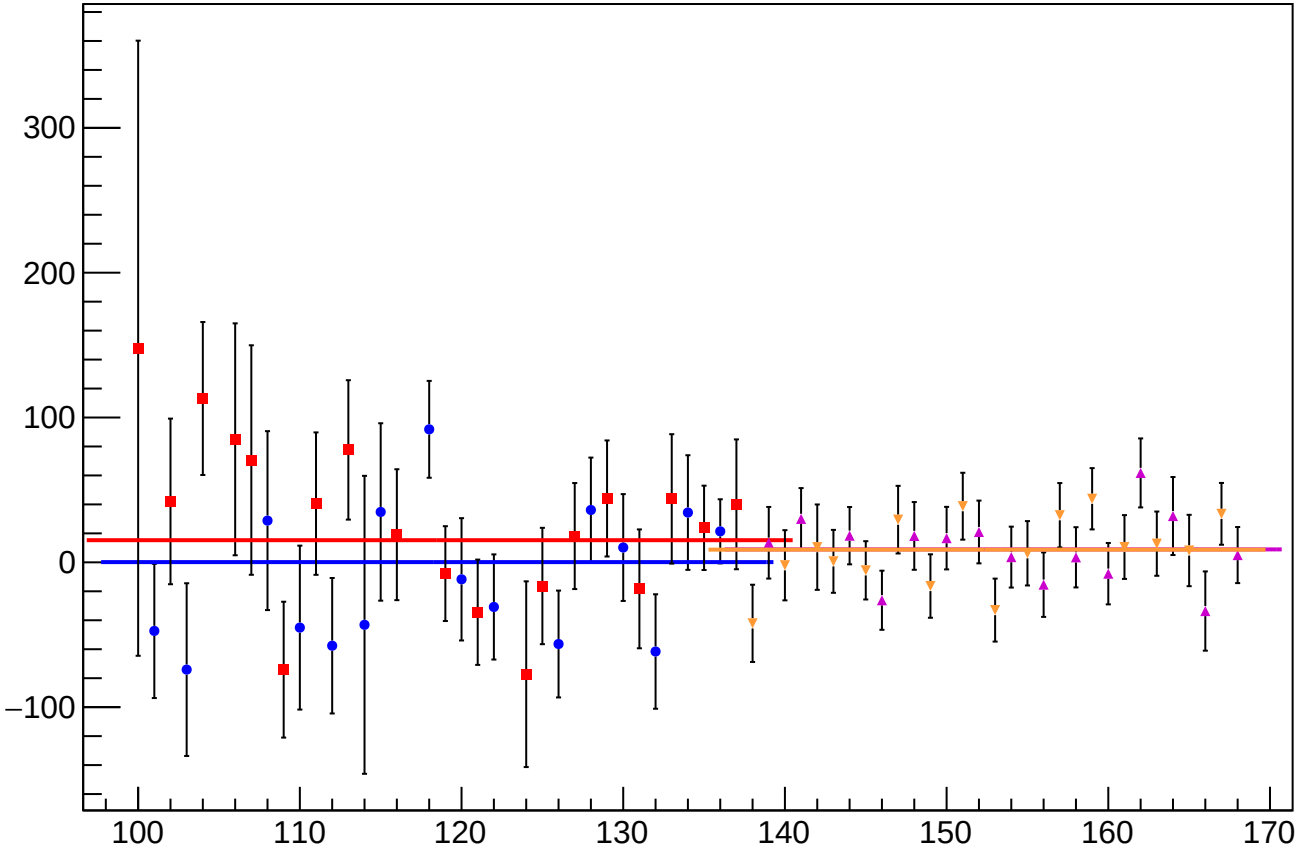
Left In: 184.318+/-0.038 χ^2/NDF:886100.8/14

+ sign 208.865+/-0.035 χ^2/NDF: 4461367.6/31

All: 208.292+/-0.025 χ^2/NDF: 9263600.9/65

- sign 207.719+/-0.035 χ^2/NDF: 4801707.6/33

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 8.767+/-5.682 χ^2/NDF:17.3/15

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

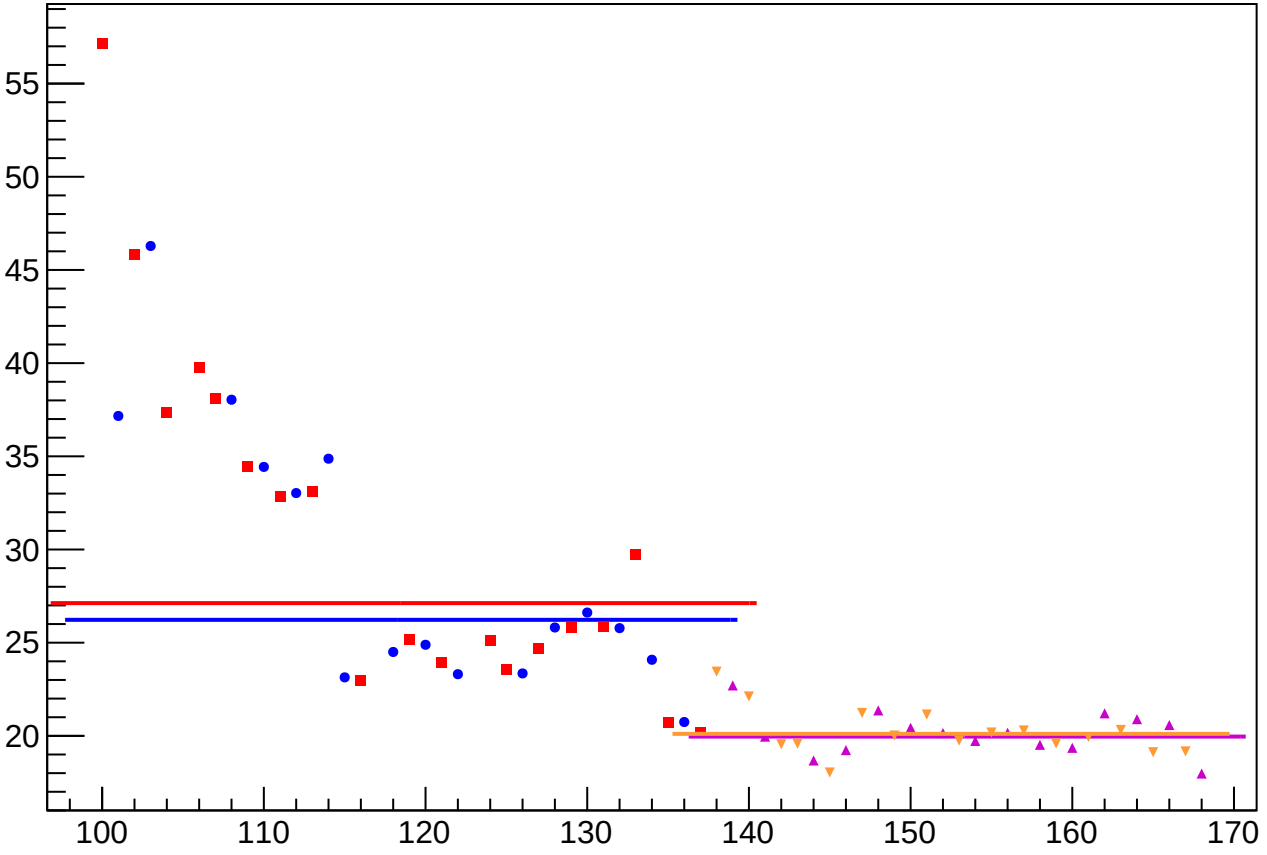
Left In: 8.931+/-5.692 χ^2/NDF:14.9/14

+ sign 6.681+/-4.946 χ^2/NDF: 39.1/31

All: 8.541+/-3.509 χ^2/NDF: 72.5/65

- sign 10.426+/-4.978 χ^2/NDF: 33.1/33

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.109+/-0.004 χ^2/NDF:86141.5/15

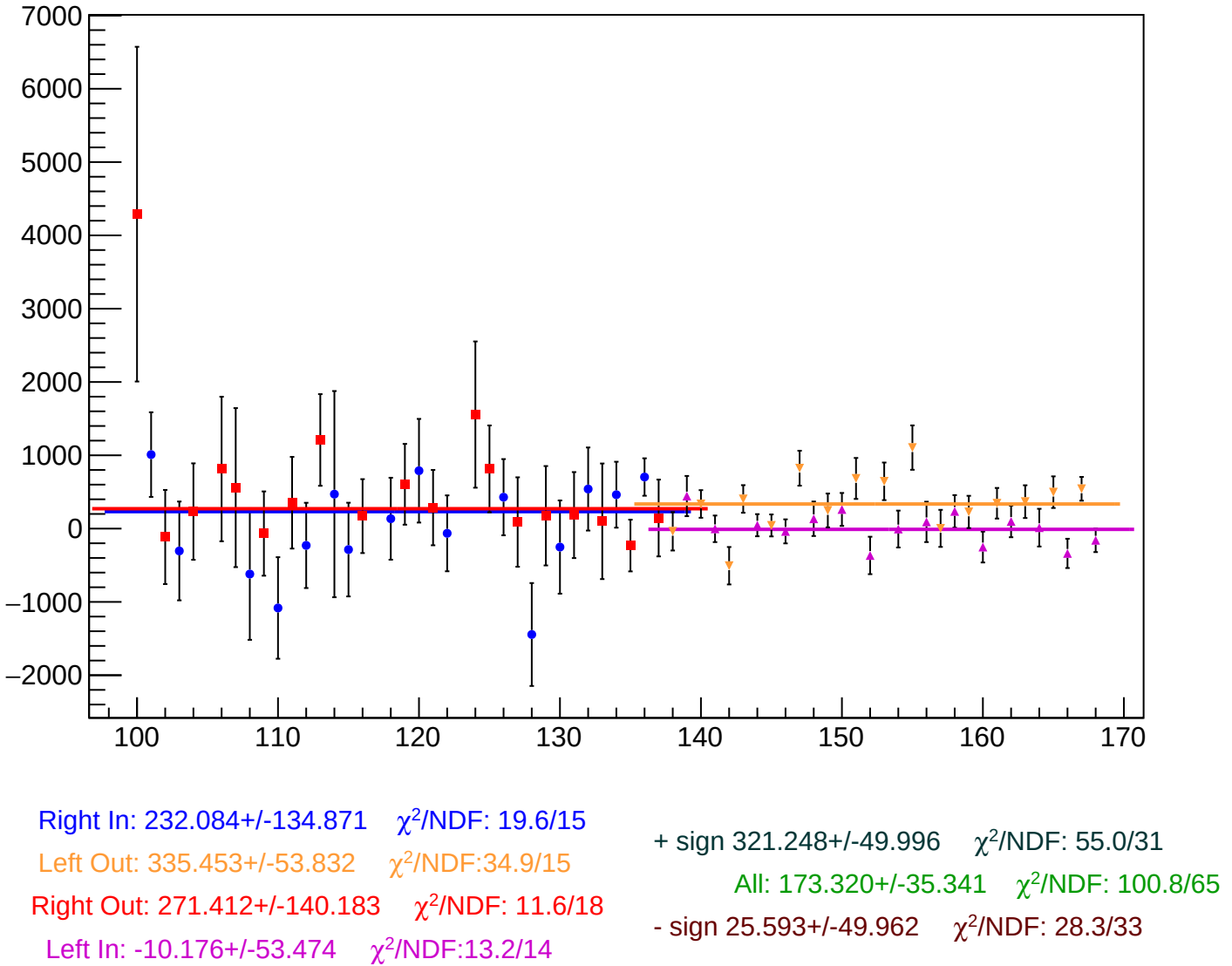
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.962+/-0.004 χ^2/NDF:76725.8/14

+ sign 21.591+/-0.003 χ^2/NDF: 1324065.0/31

All: 21.618+/-0.002 χ^2/NDF: 2890687.1/65

- sign 21.645+/-0.004 χ^2/NDF: 1566502.5/33


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug
7000
6000
5000
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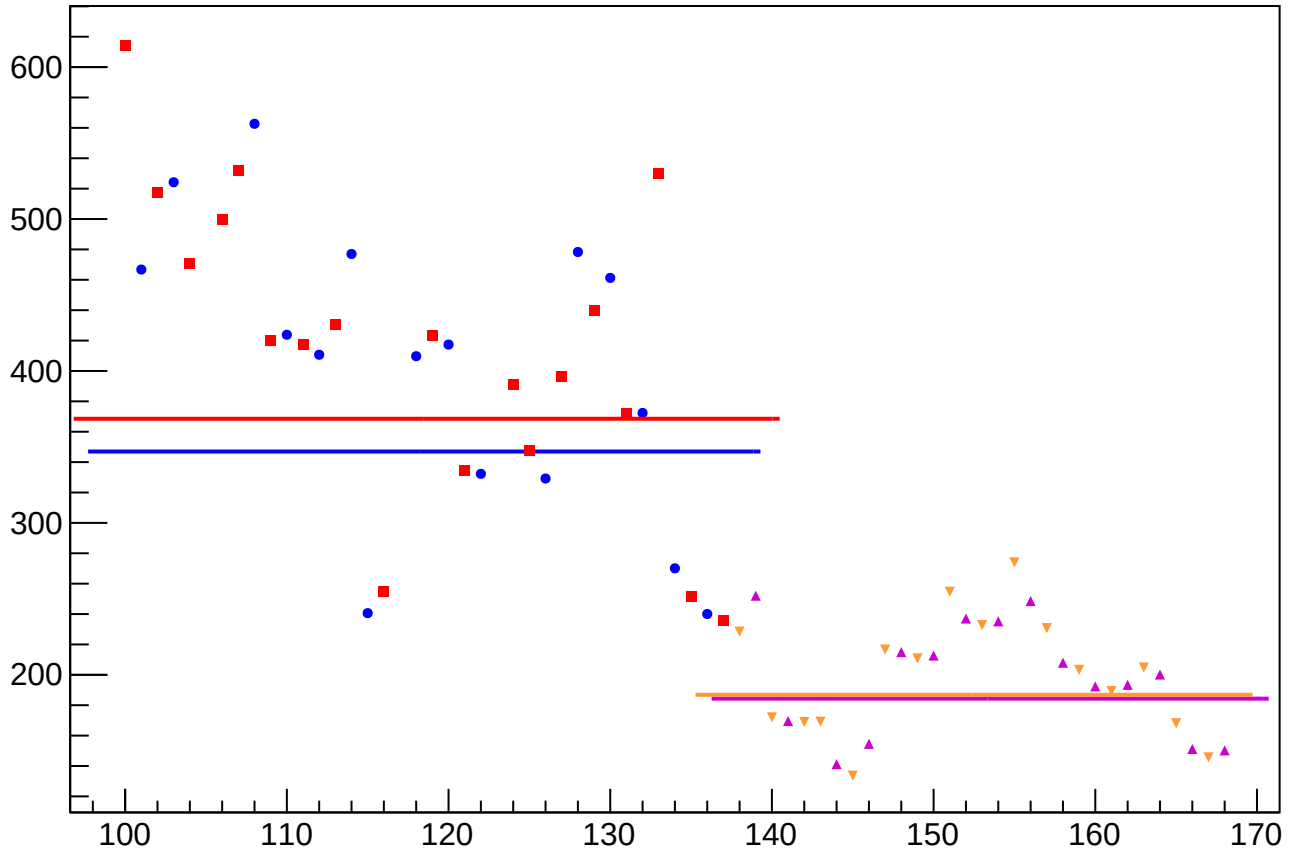
−1000
−2000
100
110
120
130
140
150
160
170
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 335.453+/-53.832 χ²/NDF:34.9/15
Right Out: 271.412+/-140.183 χ²/NDF: 11.6/18
Left In: -10.176+/-53.474 χ²/NDF:13.2/14
+ sign 321.248+/-49.996 χ²/NDF: 55.0/31
All: 173.320+/-35.341 χ²/NDF: 100.8/65
- sign 25.593+/-49.962 χ²/NDF: 28.3/33



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 186.864+/-0.038 χ^2/NDF:972199.4/15

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

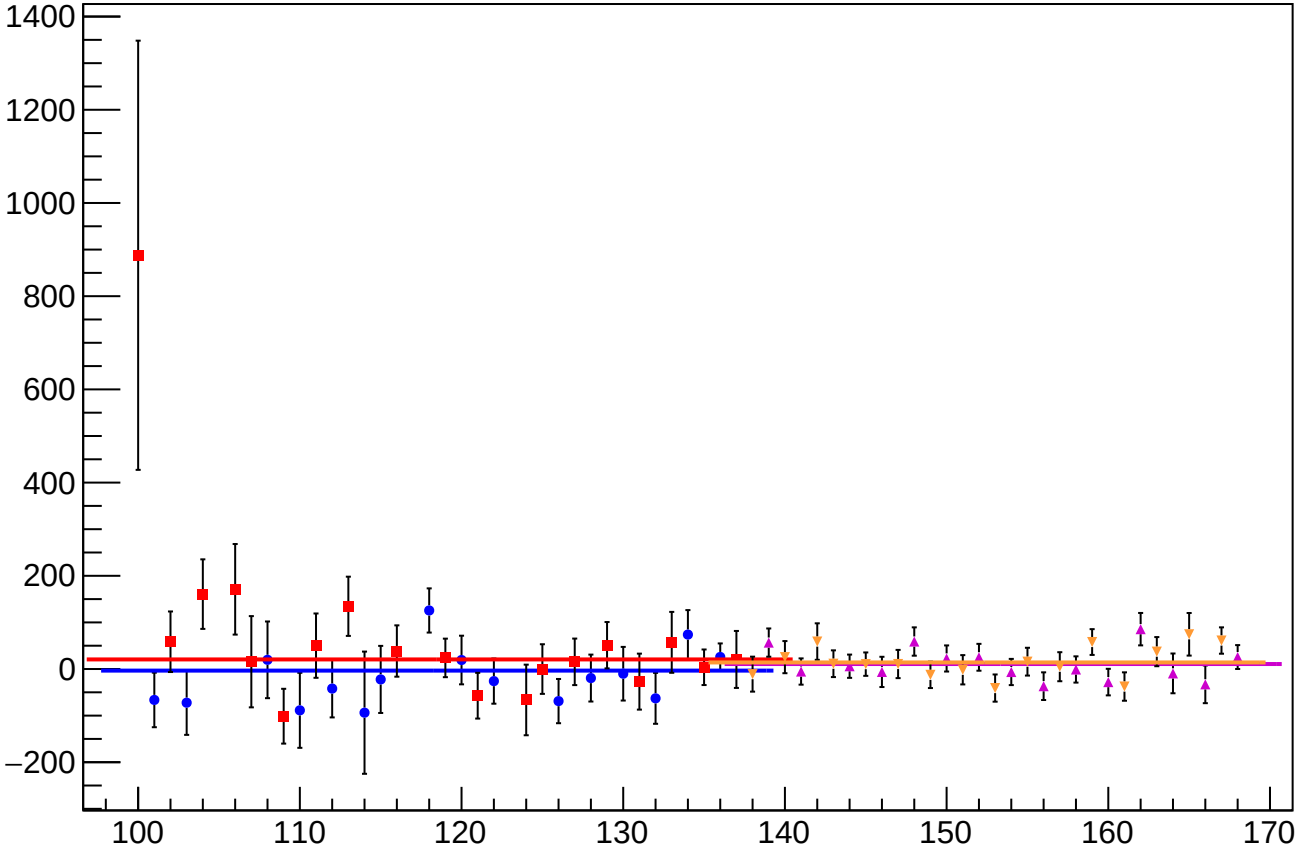
Left In: 184.318+/-0.038 χ^2/NDF:886100.8/14

+ sign 208.865+/-0.035 χ^2/NDF: 4461367.6/31

All: 208.292+/-0.025 χ^2/NDF: 9263600.9/65

- sign 207.719+/-0.035 χ^2/NDF: 4801707.6/33

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 14.092+/-7.711 χ^2/NDF:17.1/15

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

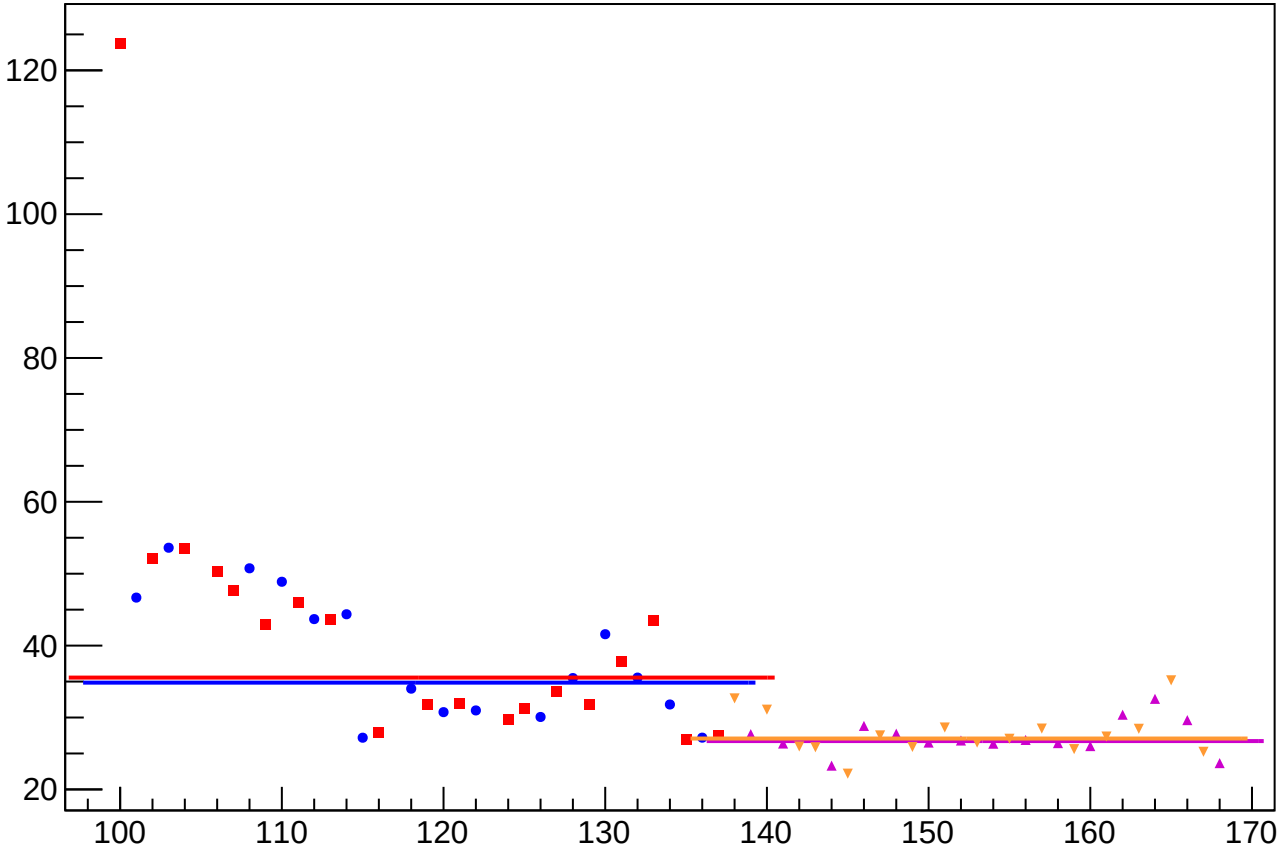
Left In: 10.701+/-7.700 χ^2/NDF:17.2/14

+ sign 9.731+/-6.682 χ^2/NDF: 36.9/31

All: 11.430+/-4.726 χ^2/NDF: 77.8/65

- sign 13.130+/-6.686 χ^2/NDF: 40.7/33

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 27.078+/-0.005 χ^2/NDF:246468.9/15

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

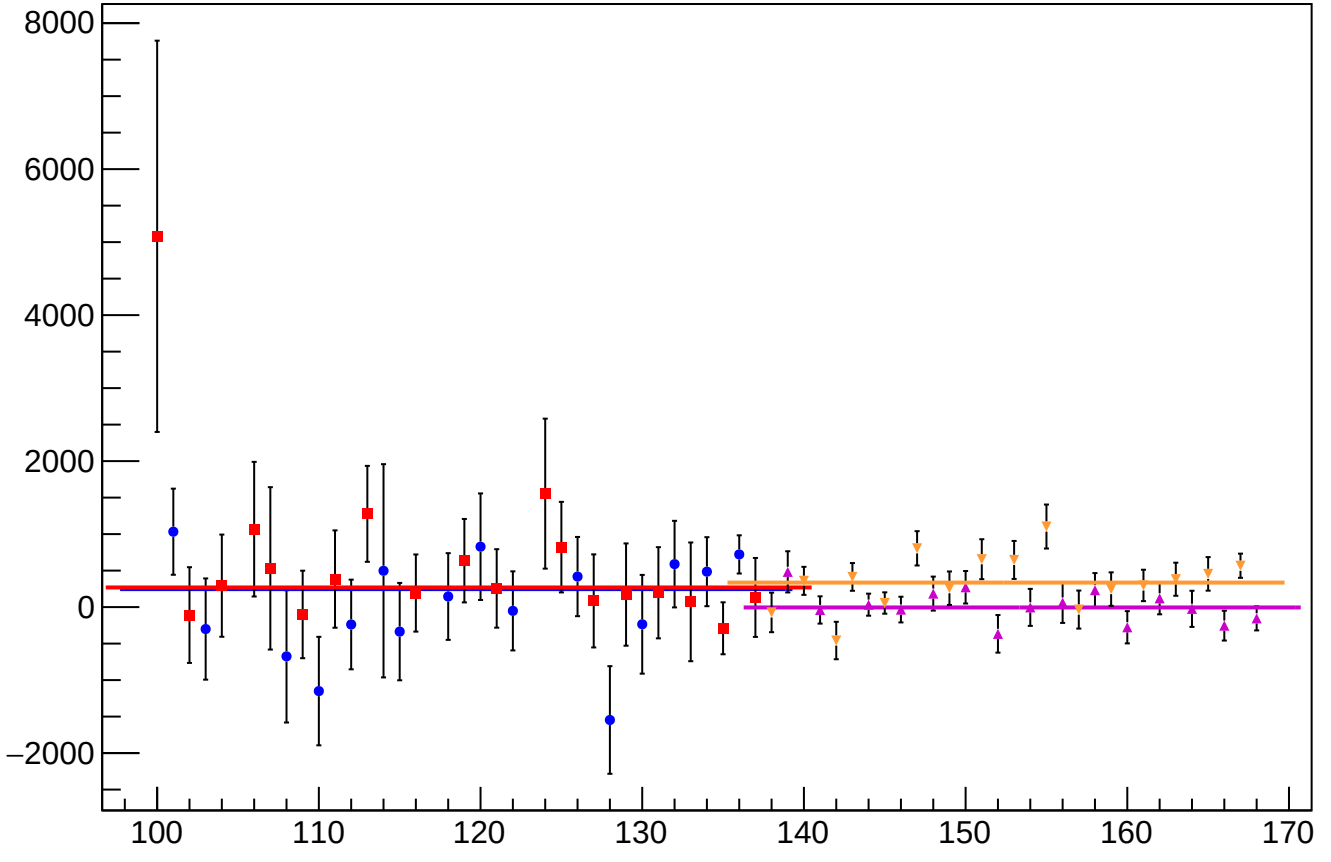
Left In: 26.724+/-0.005 χ^2/NDF:151619.9/14

+ sign 29.013+/-0.005 χ^2/NDF: 1410533.7/31

All: 28.955+/-0.003 χ^2/NDF: 2989644.6/65

- sign 28.897+/-0.005 χ^2/NDF: 1578810.2/33

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 335.805+/-54.493 χ^2/NDF:33.5/15

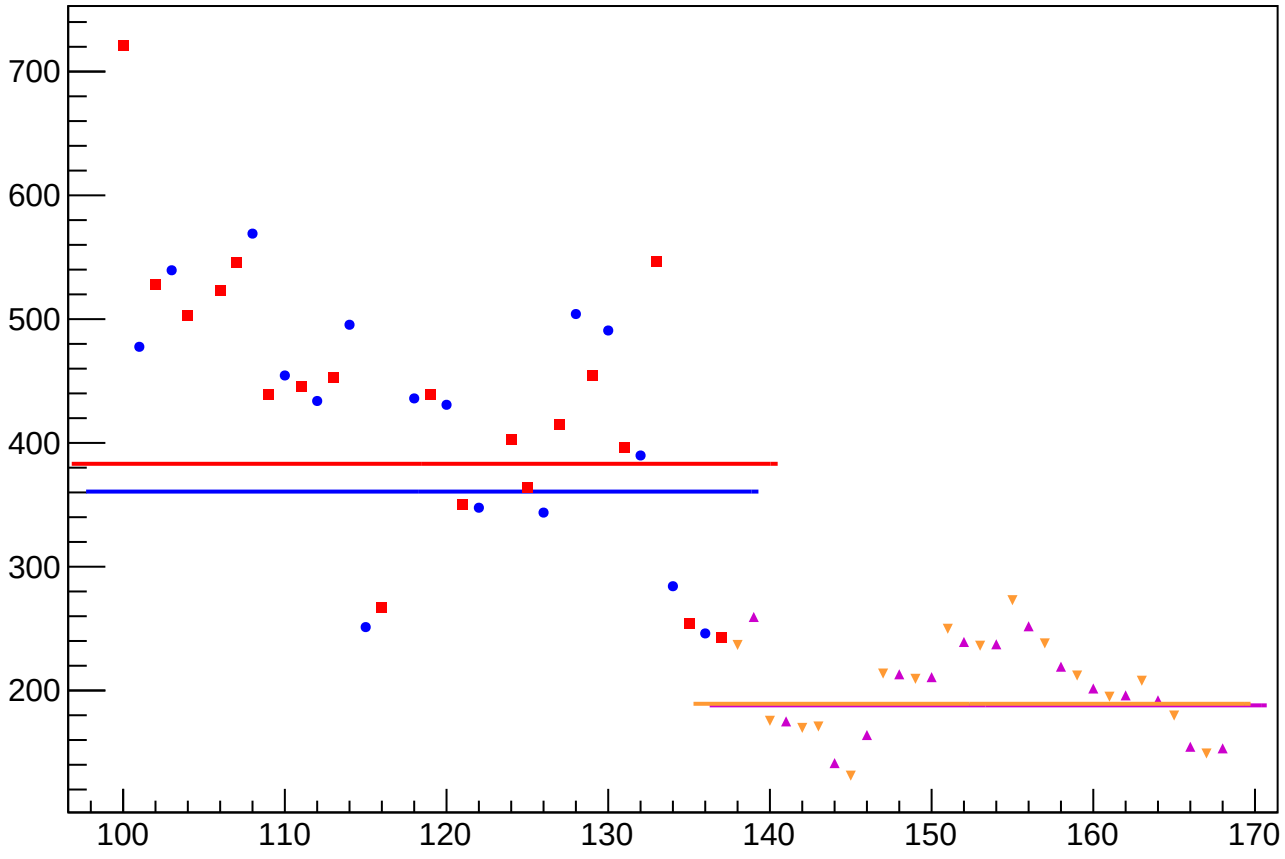
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -4.976+/-54.539 χ^2/NDF:12.5/14

+ sign 324.096+/-50.794 χ^2/NDF: 53.6/31

All: 177.244+/-36.011 χ^2/NDF: 98.7/65

- sign 28.850+/-51.061 χ^2/NDF: 28.3/33



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 189.267+/-0.039 χ^2/NDF:996724.1/15

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

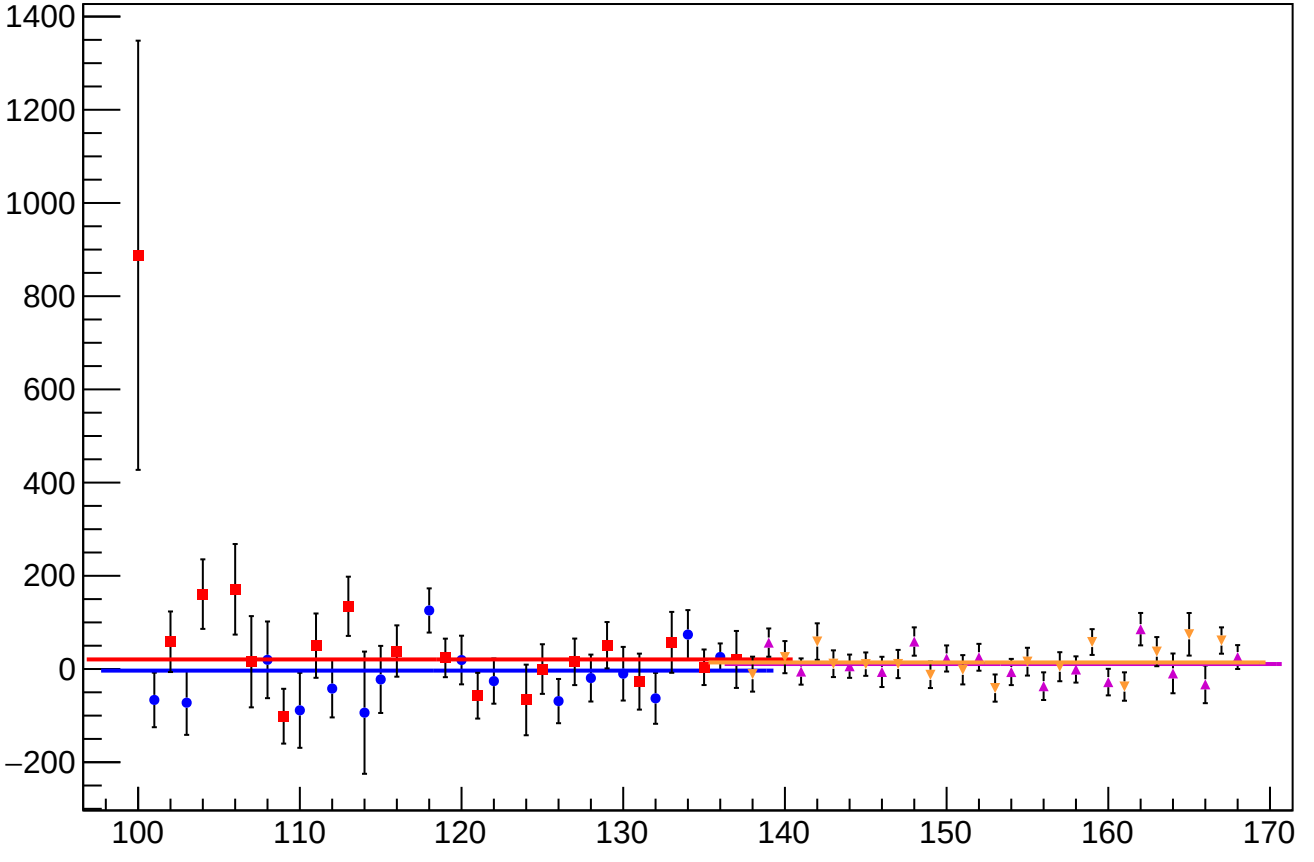
Left In: 187.995+/-0.039 χ^2/NDF:858393.1/14

+ sign 211.745+/-0.036 χ^2/NDF: 4684737.7/31

All: 211.919+/-0.025 χ^2/NDF: 9668250.6/65

- sign 212.095+/-0.036 χ^2/NDF: 4983465.6/33

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 14.092+/-7.711 χ^2/NDF:17.1/15

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

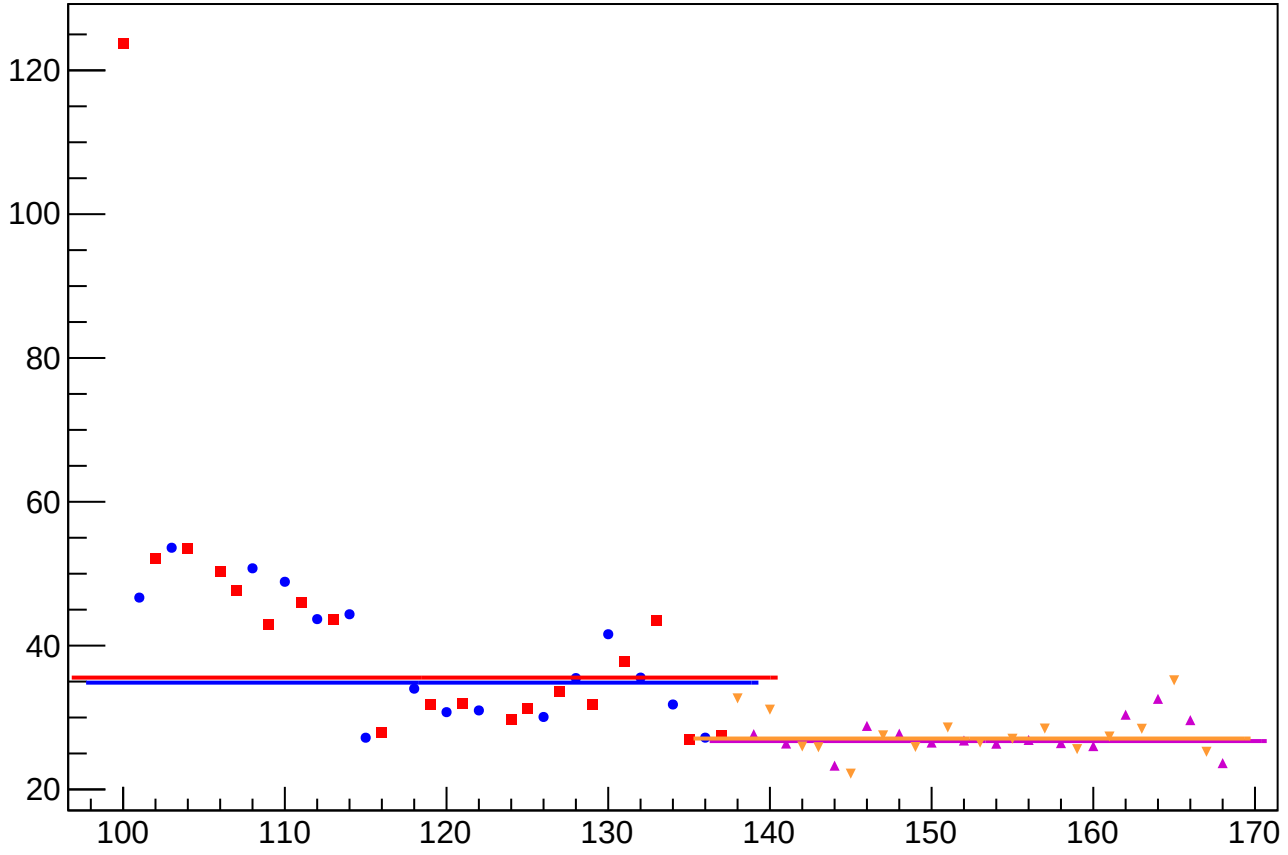
Left In: 10.701+/-7.700 χ^2/NDF:17.2/14

+ sign 9.731+/-6.682 χ^2/NDF: 36.9/31

All: 11.430+/-4.726 χ^2/NDF: 77.8/65

- sign 13.130+/-6.685 χ^2/NDF: 40.7/33

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 27.078+/-0.005 χ^2/NDF:246459.6/15

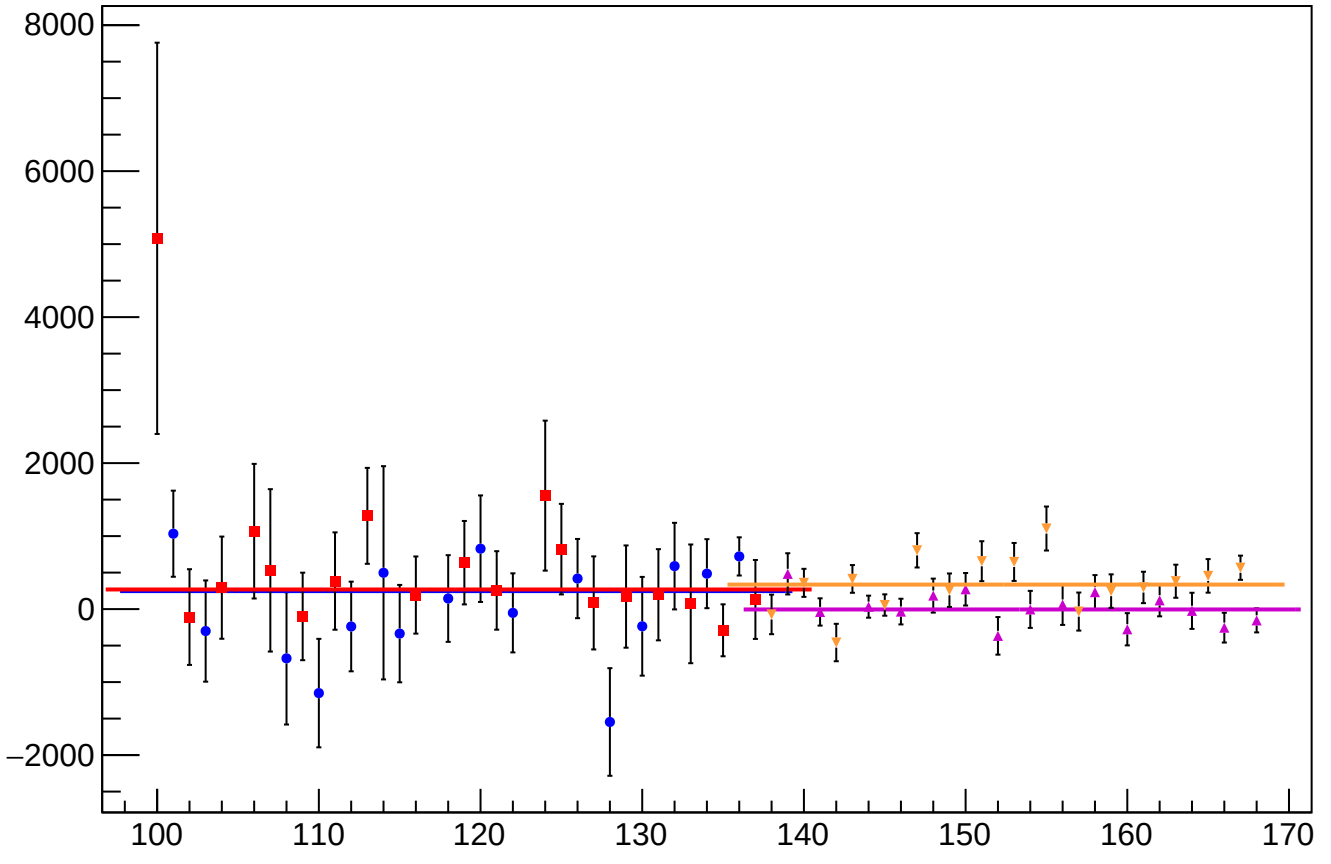
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.724+/-0.005 χ^2/NDF:151619.3/14

+ sign 29.013+/-0.005 χ^2/NDF: 1410407.7/31

All: 28.955+/-0.003 χ^2/NDF: 2989430.8/65

- sign 28.897+/-0.005 χ^2/NDF: 1578722.3/33



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 335.804+/-54.492 χ^2/NDF:33.5/15

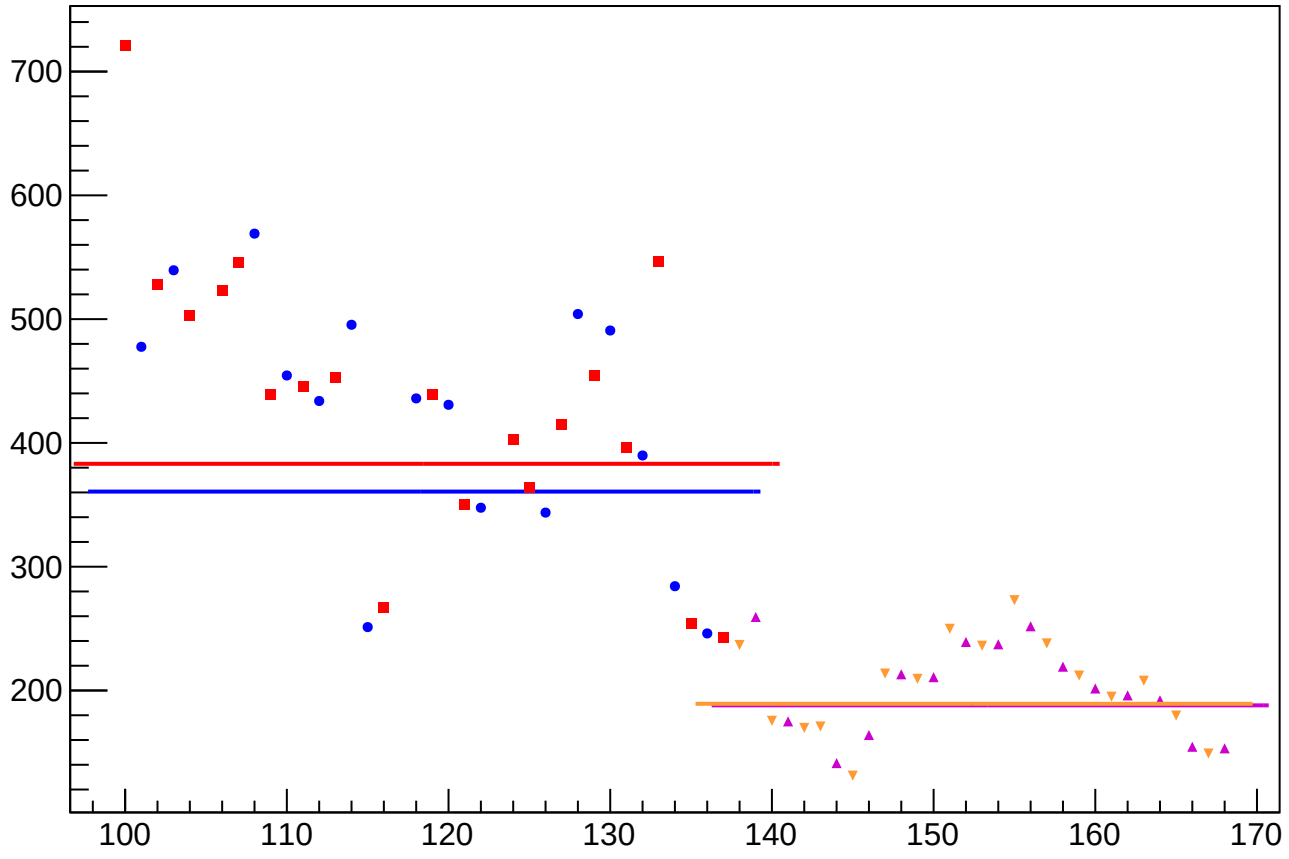
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -4.976+/-54.539 χ^2/NDF:12.5/14

+ sign 324.095+/-50.794 χ^2/NDF: 53.6/31

All: 177.244+/-36.011 χ^2/NDF: 98.7/65

- sign 28.849+/-51.060 χ^2/NDF: 28.3/33



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 189.266+/-0.039 χ^2/NDF:996745.4/15

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

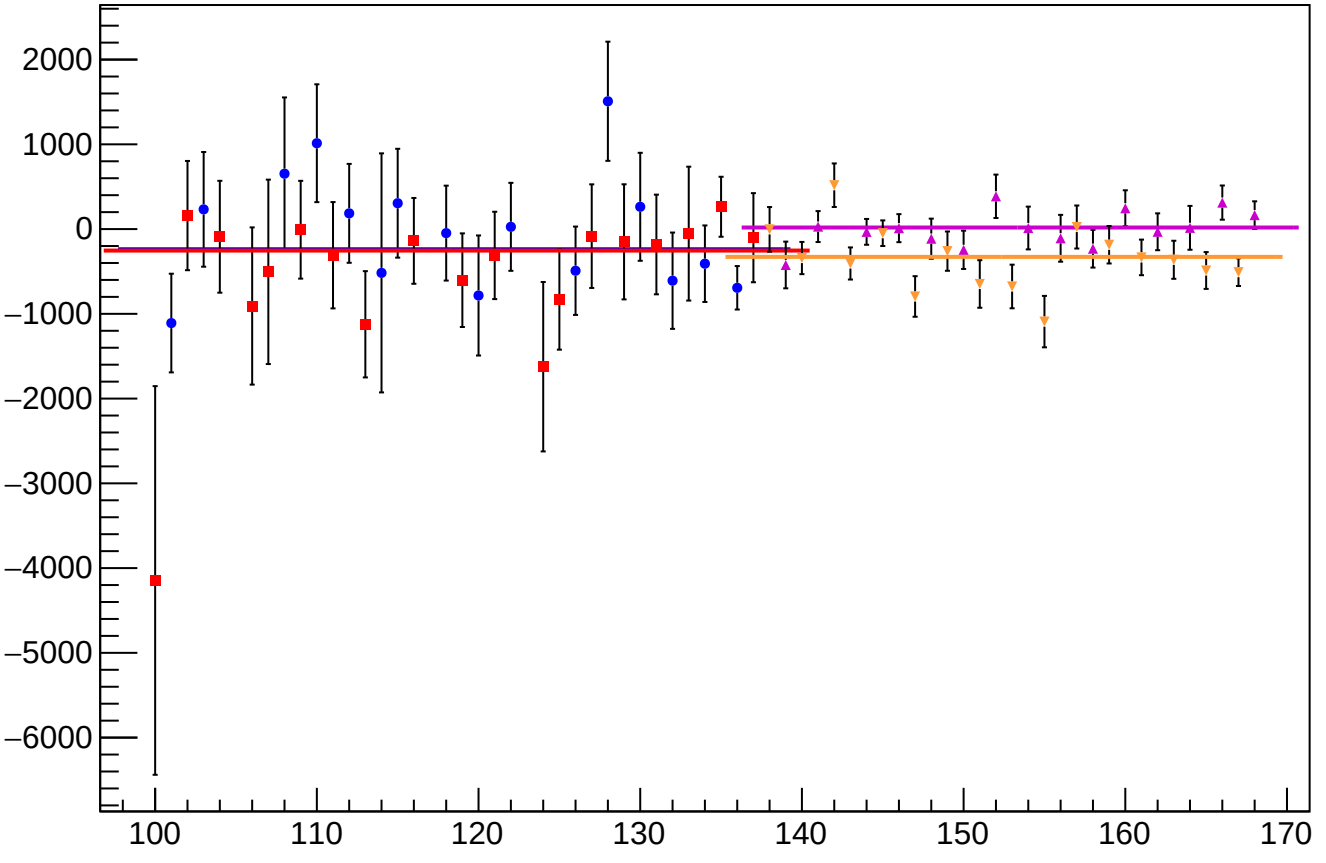
Left In: 187.995+/-0.039 χ^2/NDF:858402.8/14

+ sign 211.744+/-0.036 χ^2/NDF: 4684754.0/31

All: 211.918+/-0.025 χ^2/NDF: 9668274.4/65

- sign 212.094+/-0.036 χ^2/NDF: 4983473.2/33

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -327.803+/-54.174 χ^2/NDF:33.4/15

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

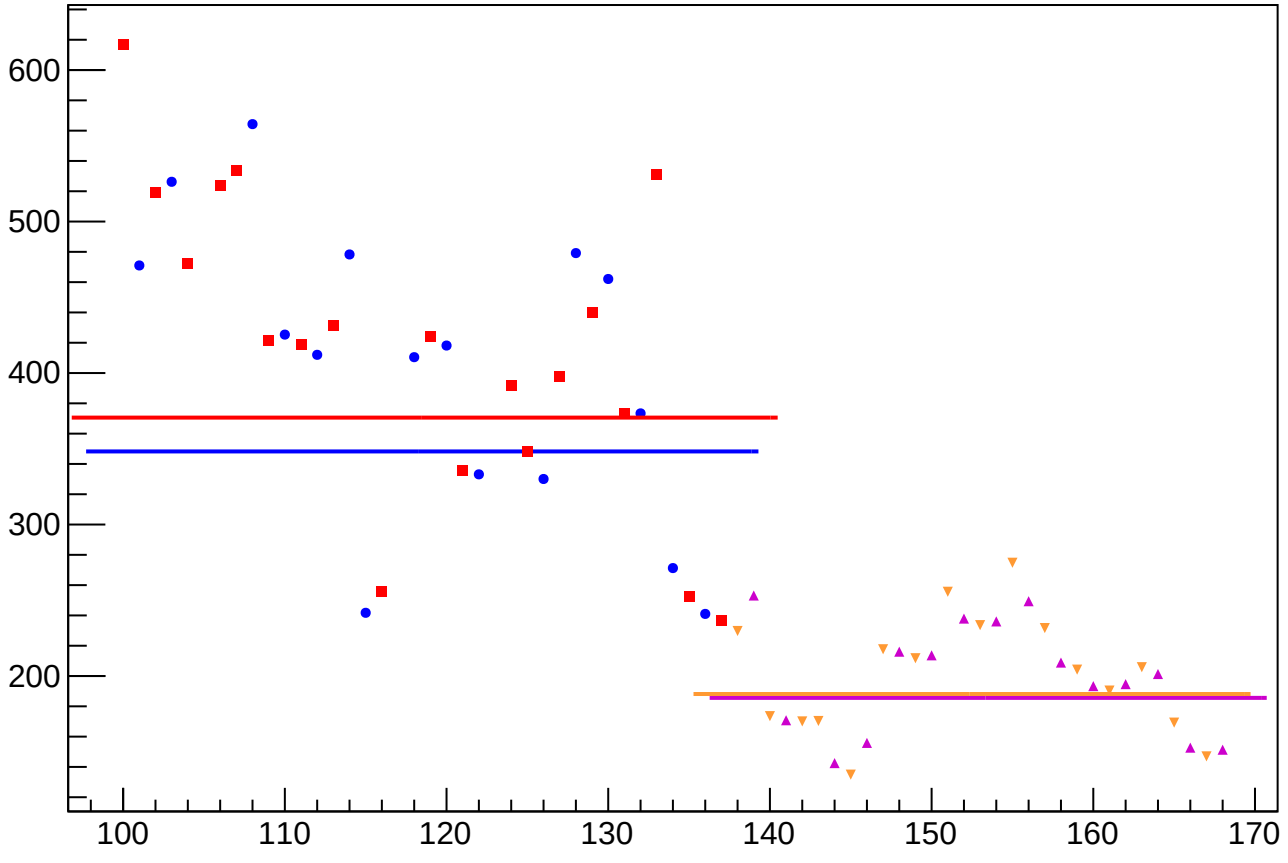
Left In: 18.529+/-53.819 χ^2/NDF:12.0/14

+ sign -315.408+/-50.295 χ^2/NDF: 53.7/31

All: -165.736+/-35.550 χ^2/NDF: 98.4/65

- sign -16.309+/-50.254 χ^2/NDF: 27.0/33

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 188.134+/-0.038 χ^2/NDF:953742.2/15

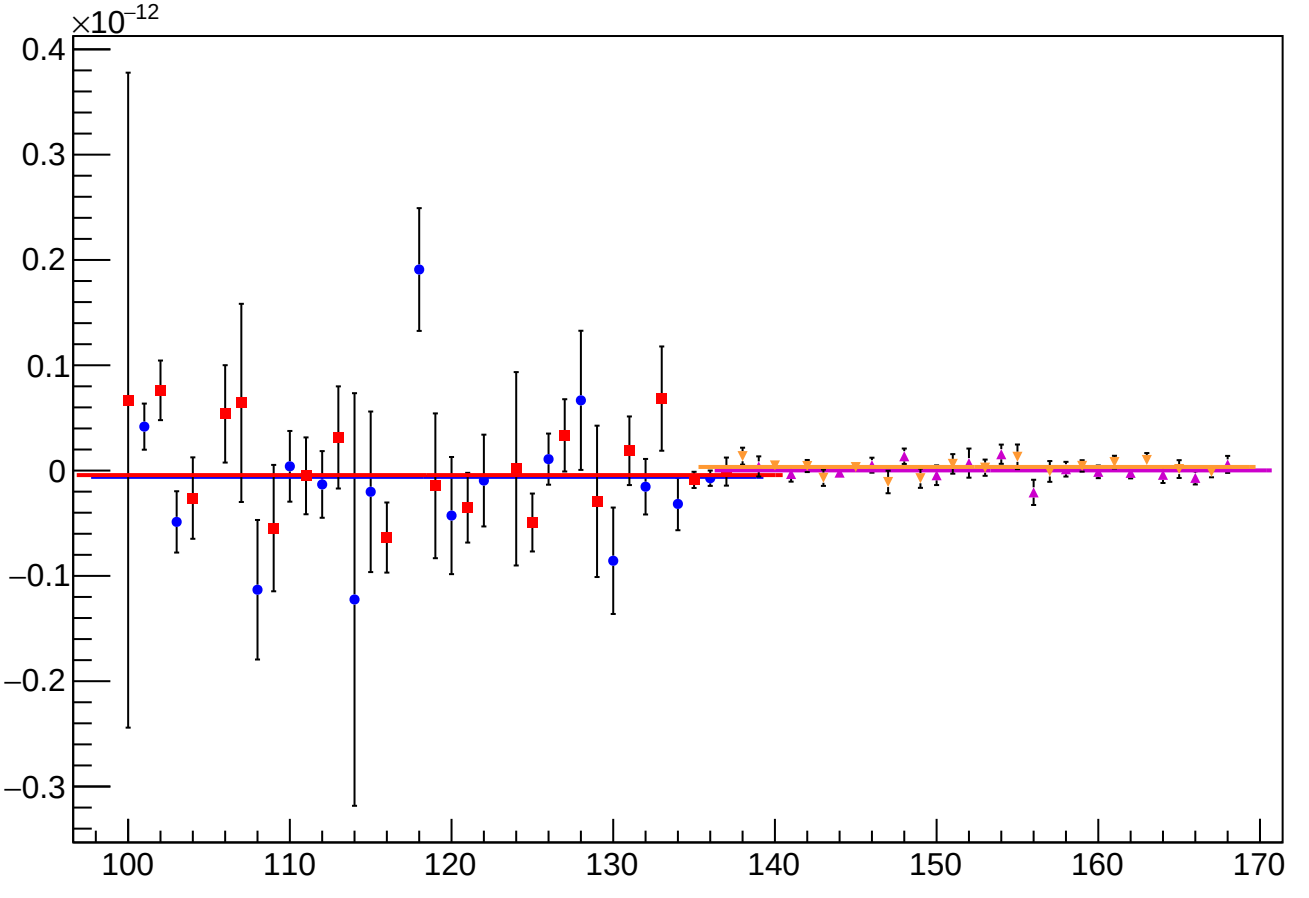
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 185.581+/-0.038 χ^2/NDF:868936.4/14

+ sign 210.244+/-0.036 χ^2/NDF: 4423056.0/31

All: 209.761+/-0.025 χ^2/NDF: 9237482.6/65

- sign 209.279+/-0.036 χ^2/NDF: 4814057.9/33



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.1/15

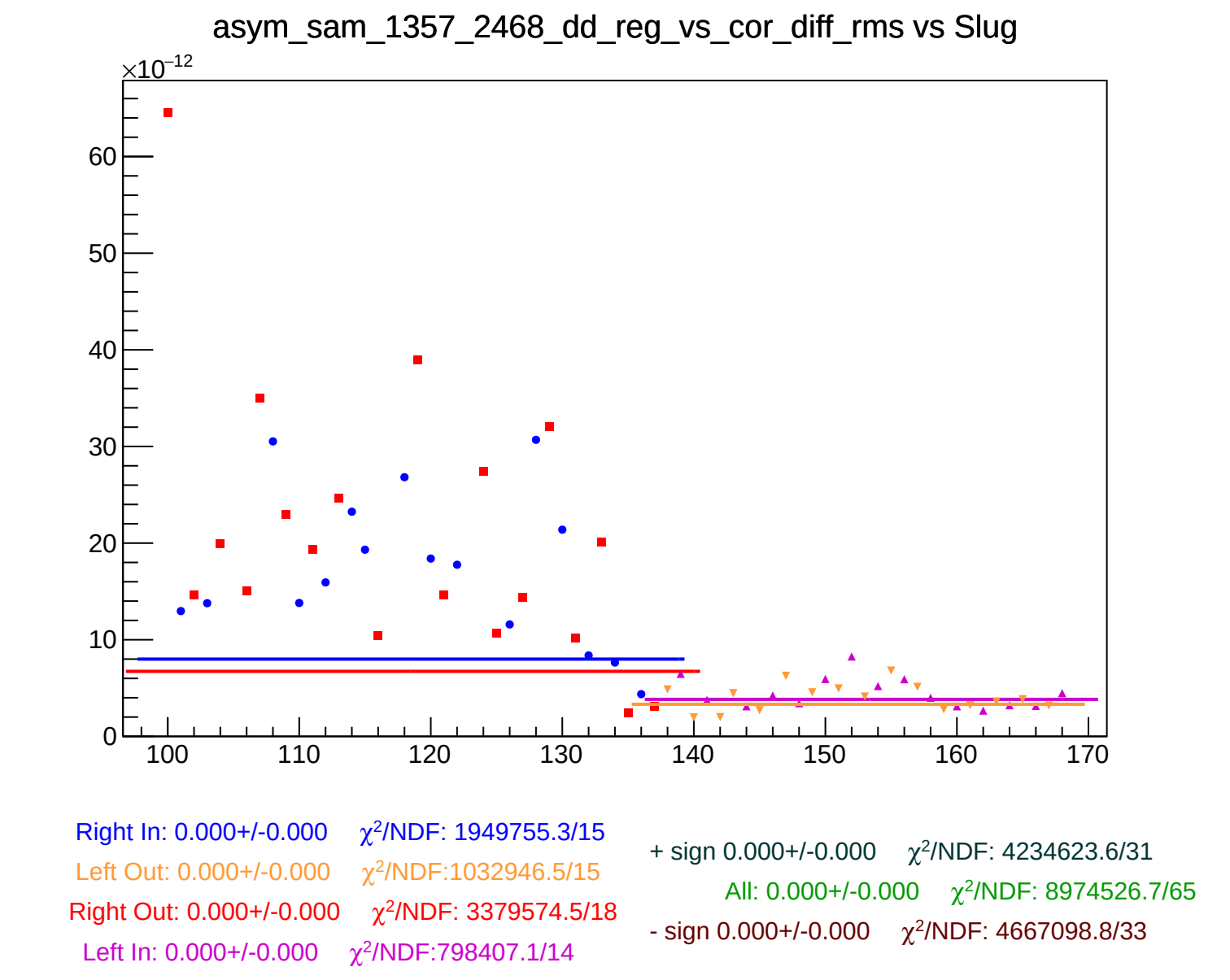
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

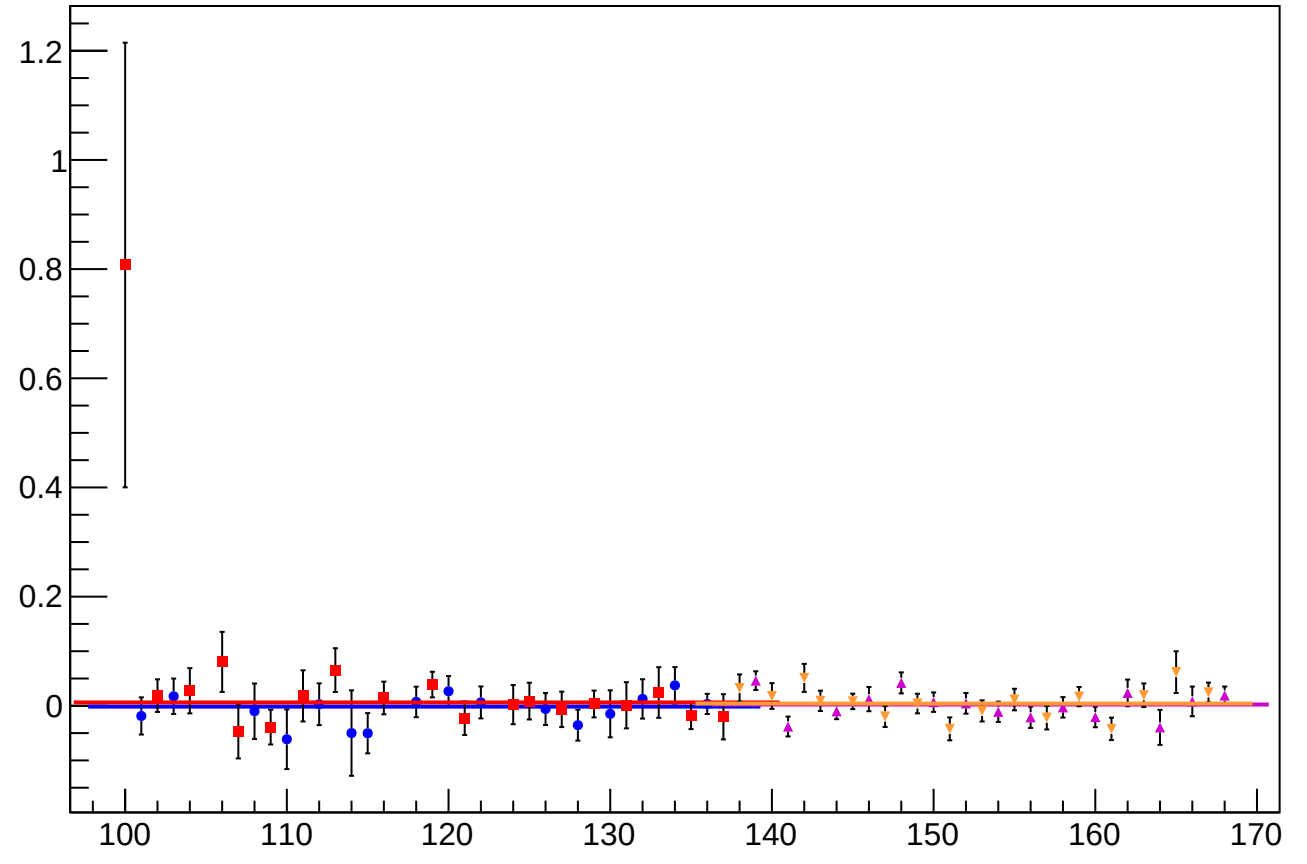
Left In: 0.000+/-0.000 χ^2/NDF:13.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 39.9/31

All: 0.000+/-0.000 χ^2/NDF: 78.2/65

- sign -0.000+/-0.000 χ^2/NDF: 36.7/33


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:1032946.5/15
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:798407.1/14
+ sign 0.000+/-0.000 χ²/NDF: 4234623.6/31
All: 0.000+/-0.000 χ²/NDF: 8974526.7/65
- sign 0.000+/-0.000 χ²/NDF: 4667098.8/33



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.005 χ^2/NDF:23.3/15

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

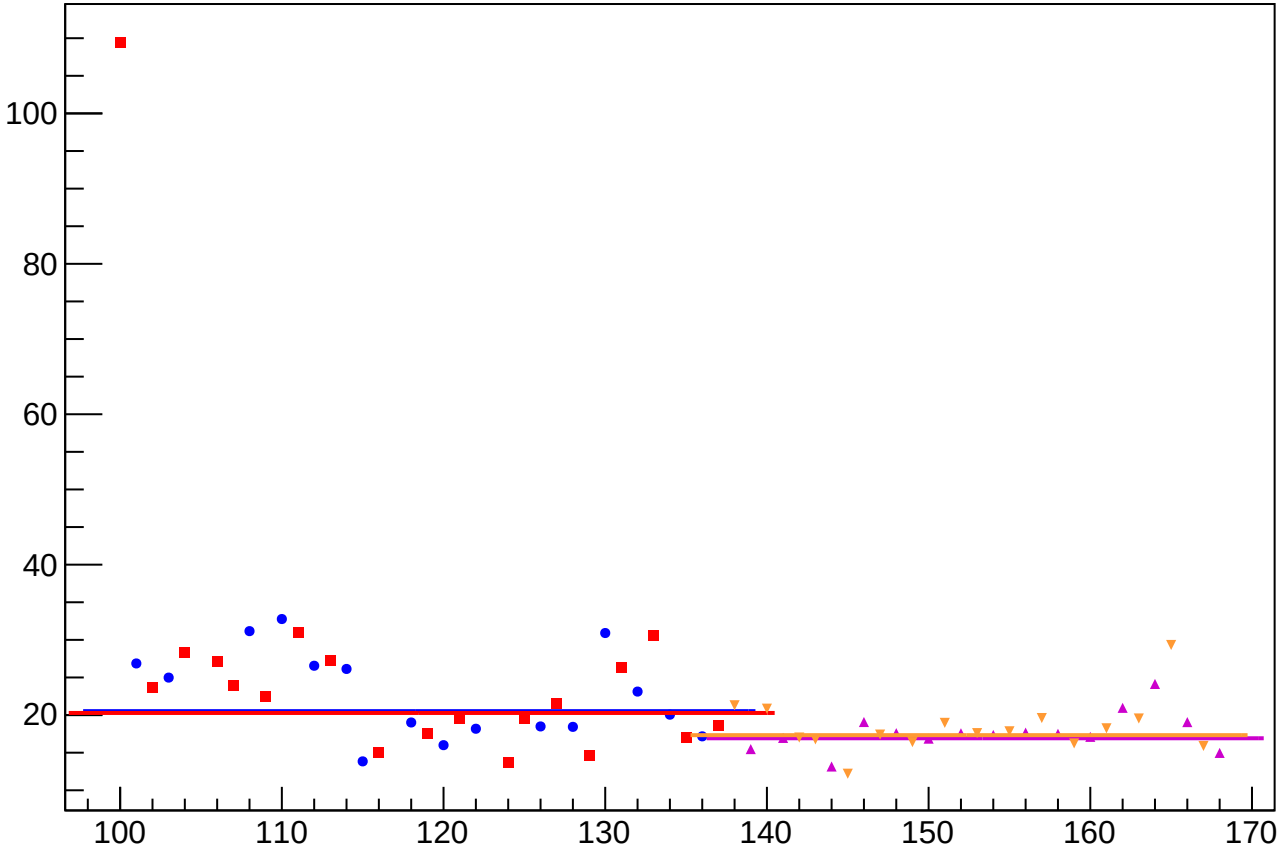
Left In: 0.002+/-0.005 χ^2/NDF:23.7/14

+ sign 0.003+/-0.004 χ^2/NDF: 31.9/31

All: 0.003+/-0.003 χ^2/NDF: 72.0/65

- sign 0.003+/-0.004 χ^2/NDF: 40.1/33

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: 17.330+/-0.004 χ^2/NDF:644218.1/15

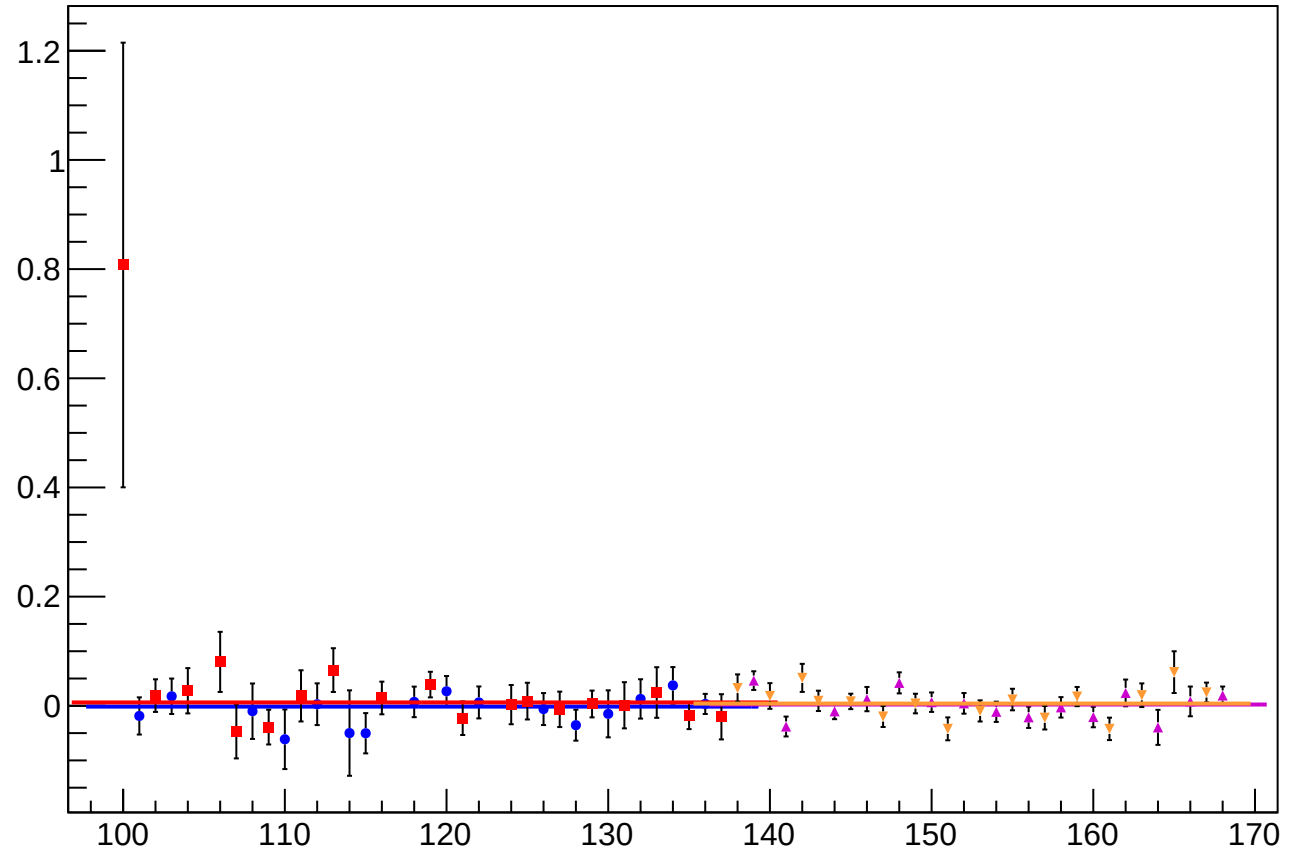
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.916+/-0.003 χ^2/NDF:376966.5/14

+ sign 18.220+/-0.003 χ^2/NDF: 1576323.8/31

All: 18.041+/-0.002 χ^2/NDF: 3086125.3/65

- sign 17.867+/-0.003 χ^2/NDF: 1502806.1/33



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.005 χ^2/NDF:23.3/15

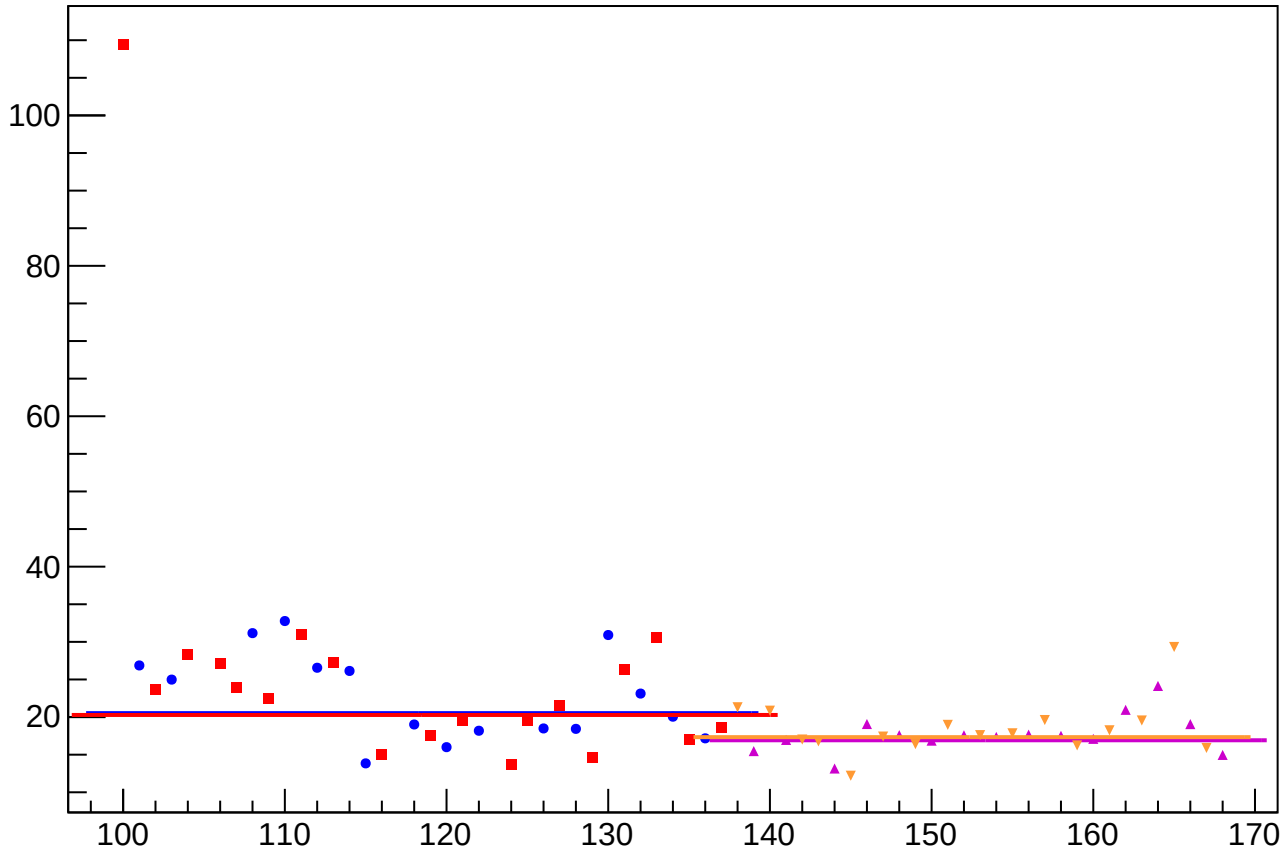
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.002+/-0.005 χ^2/NDF:23.7/14

+ sign 0.003+/-0.004 χ^2/NDF: 31.9/31

All: 0.003+/-0.003 χ^2/NDF: 72.0/65

- sign 0.003+/-0.004 χ^2/NDF: 40.1/33



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 17.330+/-0.004 χ^2/NDF:644218.1/15

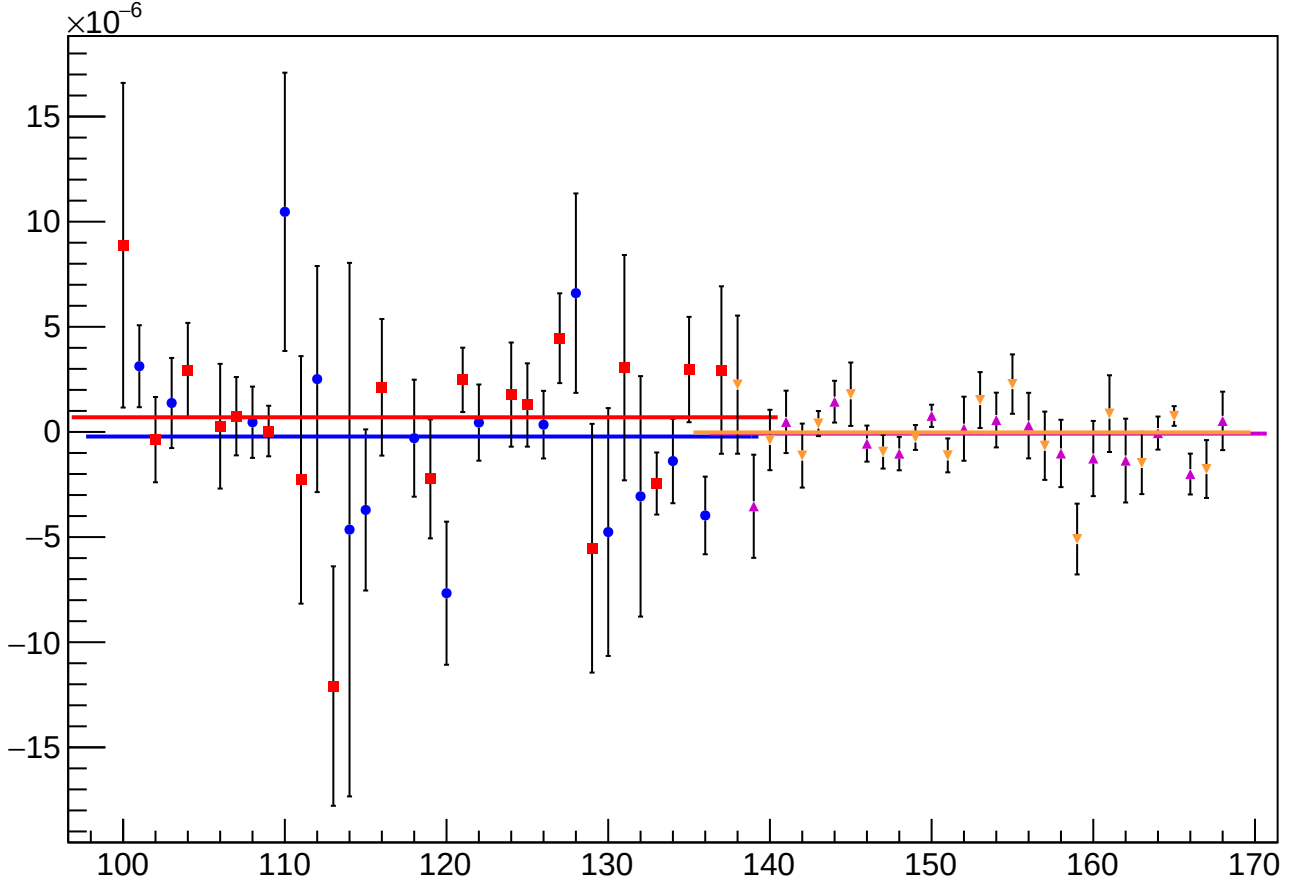
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.916+/-0.003 χ^2/NDF:376966.5/14

+ sign 18.220+/-0.003 χ^2/NDF: 1576323.8/31

All: 18.041+/-0.002 χ^2/NDF: 3086125.3/65

- sign 17.867+/-0.003 χ^2/NDF: 1502806.1/33



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/15

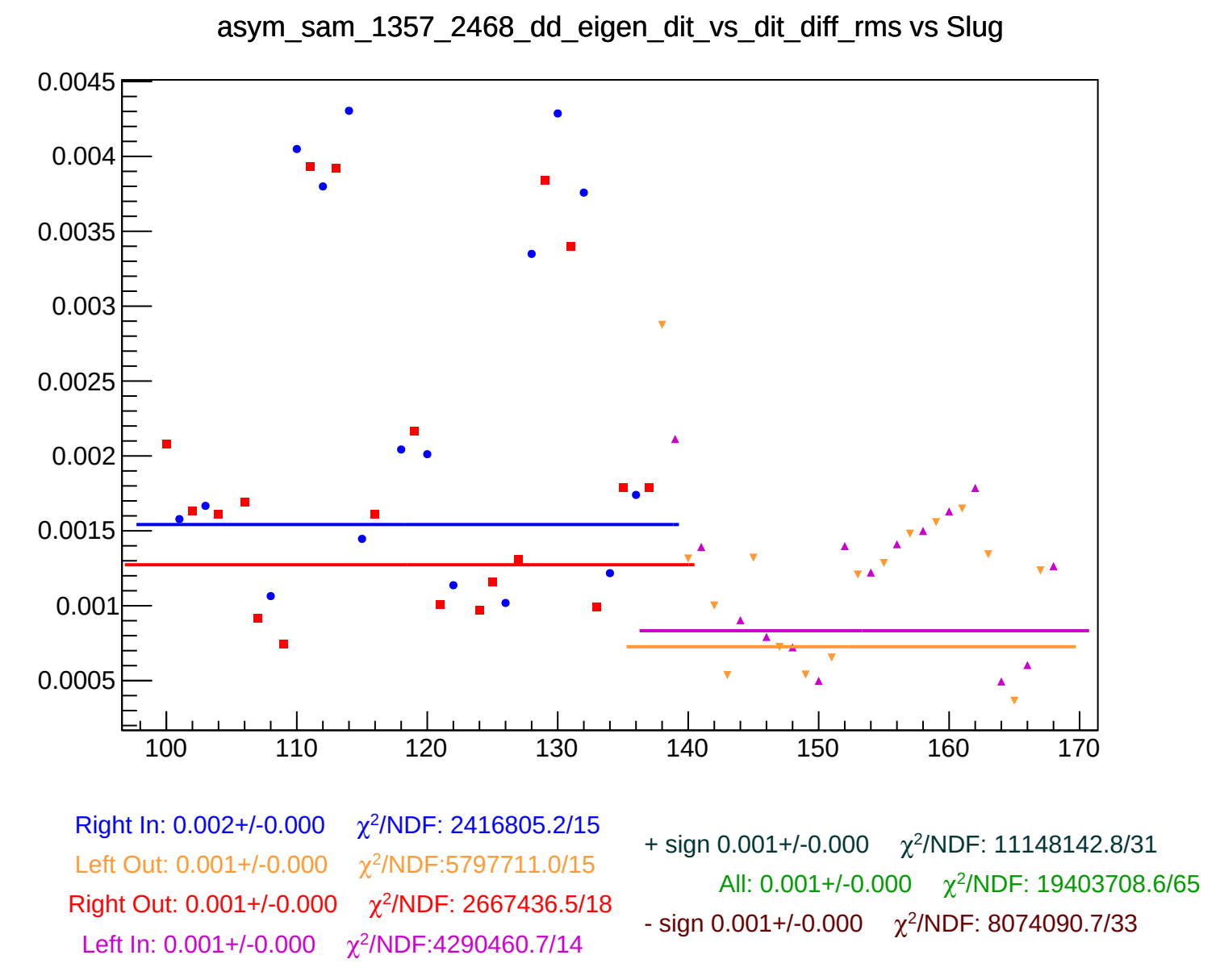
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

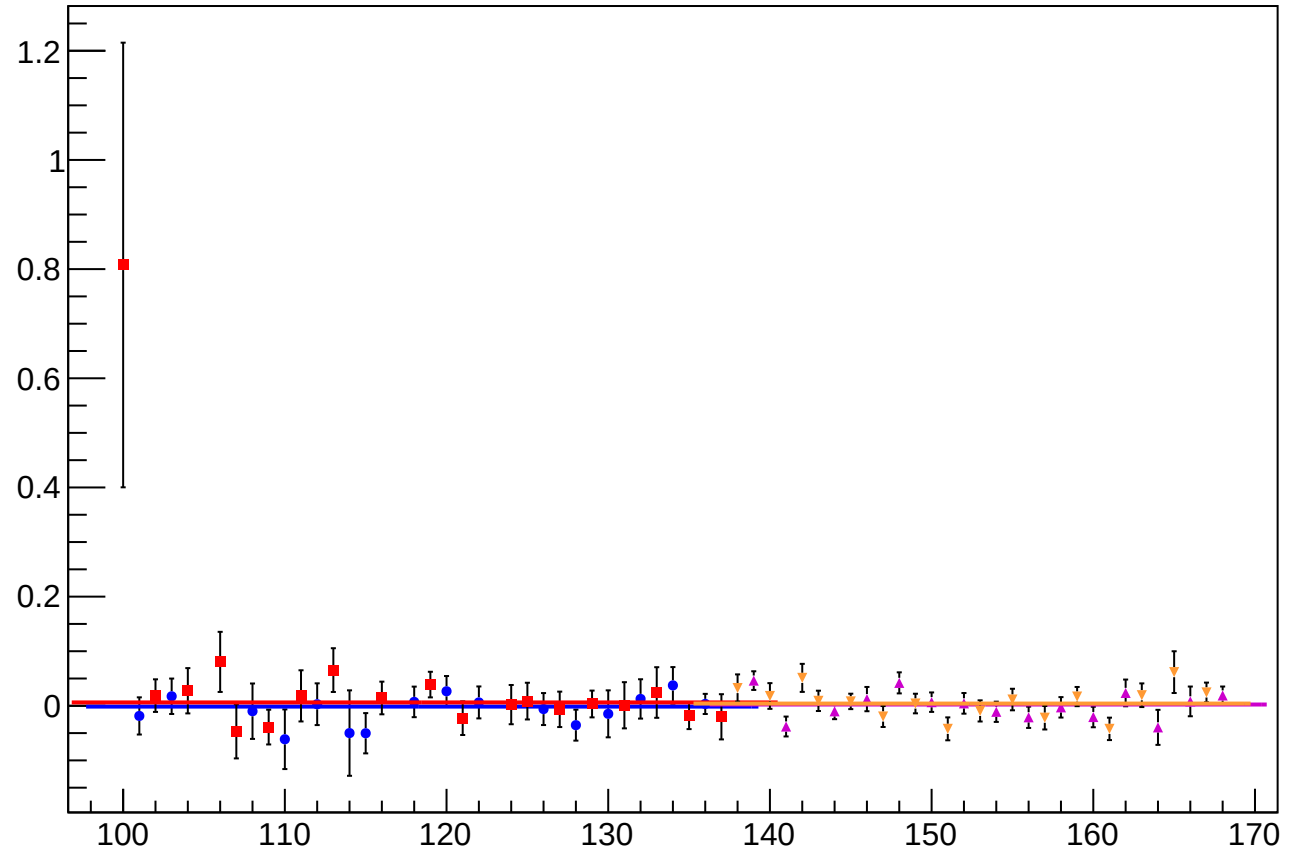
Left In: -0.000+/-0.000 χ^2/NDF:14.4/14

+ sign -0.000+/-0.000 χ^2/NDF: 45.1/31

All: 0.000+/-0.000 χ^2/NDF: 82.4/65

- sign 0.000+/-0.000 χ^2/NDF: 37.1/33


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:5797711.0/15
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:4290460.7/14
+ sign 0.001+/-0.000 χ²/NDF: 11148142.8/31
All: 0.001+/-0.000 χ²/NDF: 19403708.6/65
- sign 0.001+/-0.000 χ²/NDF: 8074090.7/33



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.005 χ^2/NDF:23.3/15

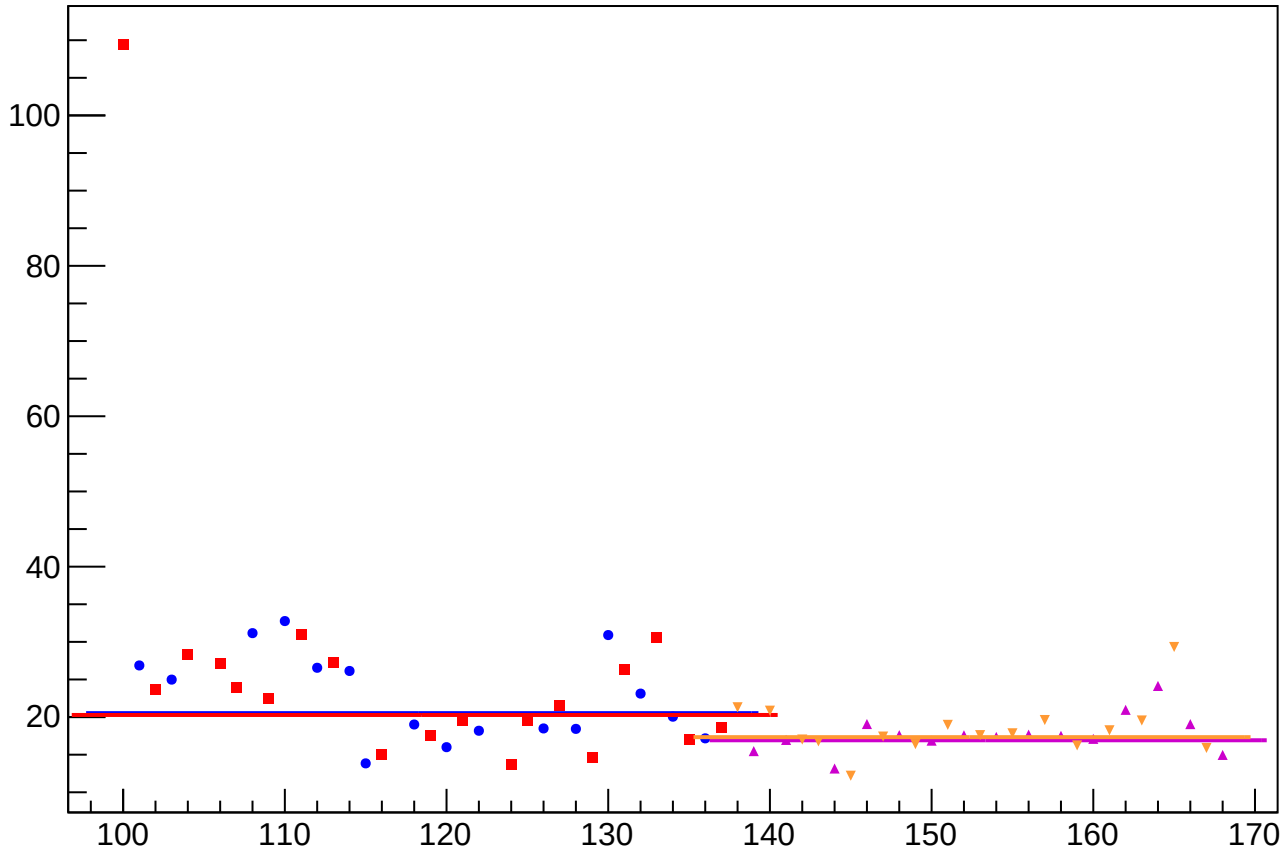
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.002+/-0.005 χ^2/NDF:23.7/14

+ sign 0.003+/-0.004 χ^2/NDF: 31.9/31

All: 0.003+/-0.003 χ^2/NDF: 72.0/65

- sign 0.003+/-0.004 χ^2/NDF: 40.1/33



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 17.330+/-0.004 χ^2/NDF:644172.0/15

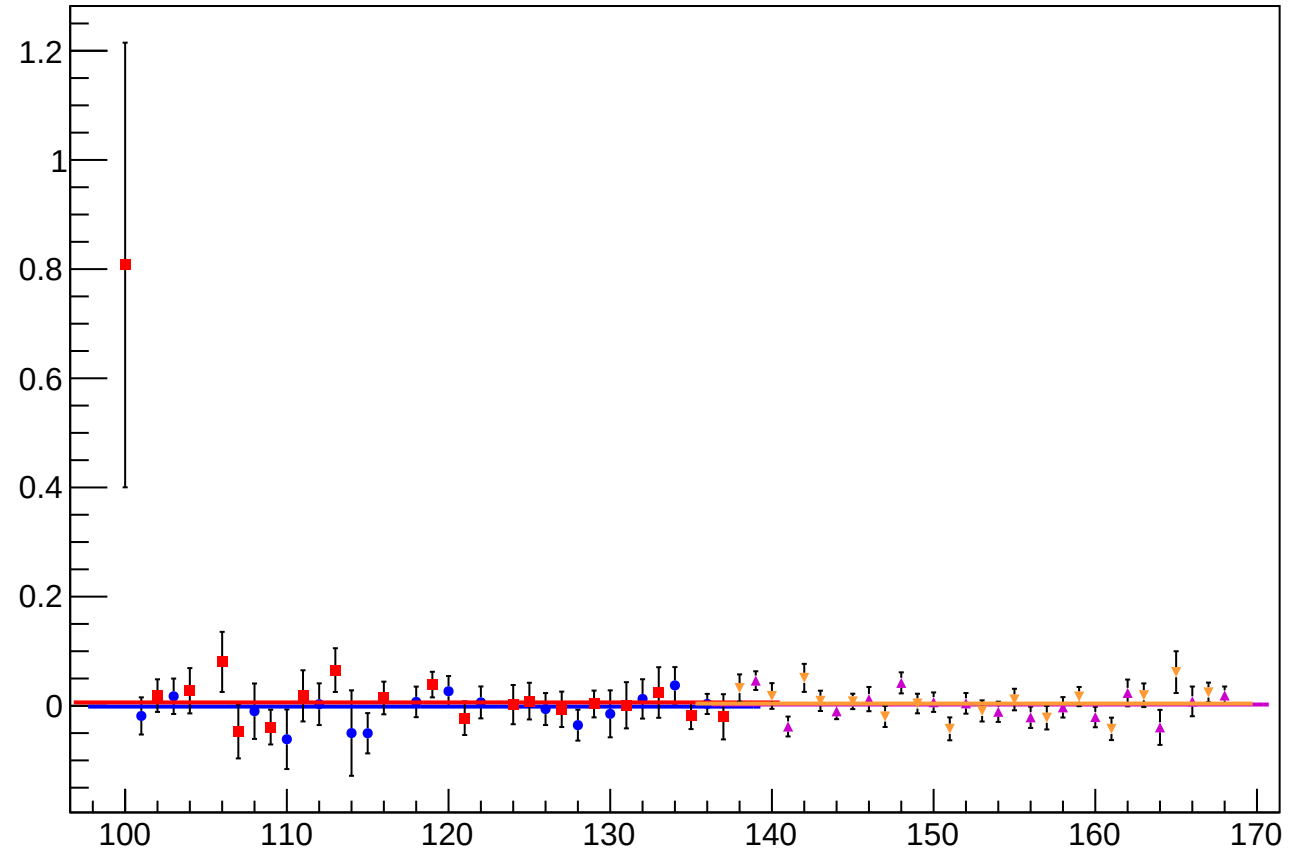
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.916+/-0.003 χ^2/NDF:376990.6/14

+ sign 18.220+/-0.003 χ^2/NDF: 1576056.8/31

All: 18.041+/-0.002 χ^2/NDF: 3085780.4/65

- sign 17.867+/-0.003 χ^2/NDF: 1502724.1/33



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.005 χ^2/NDF:23.3/15

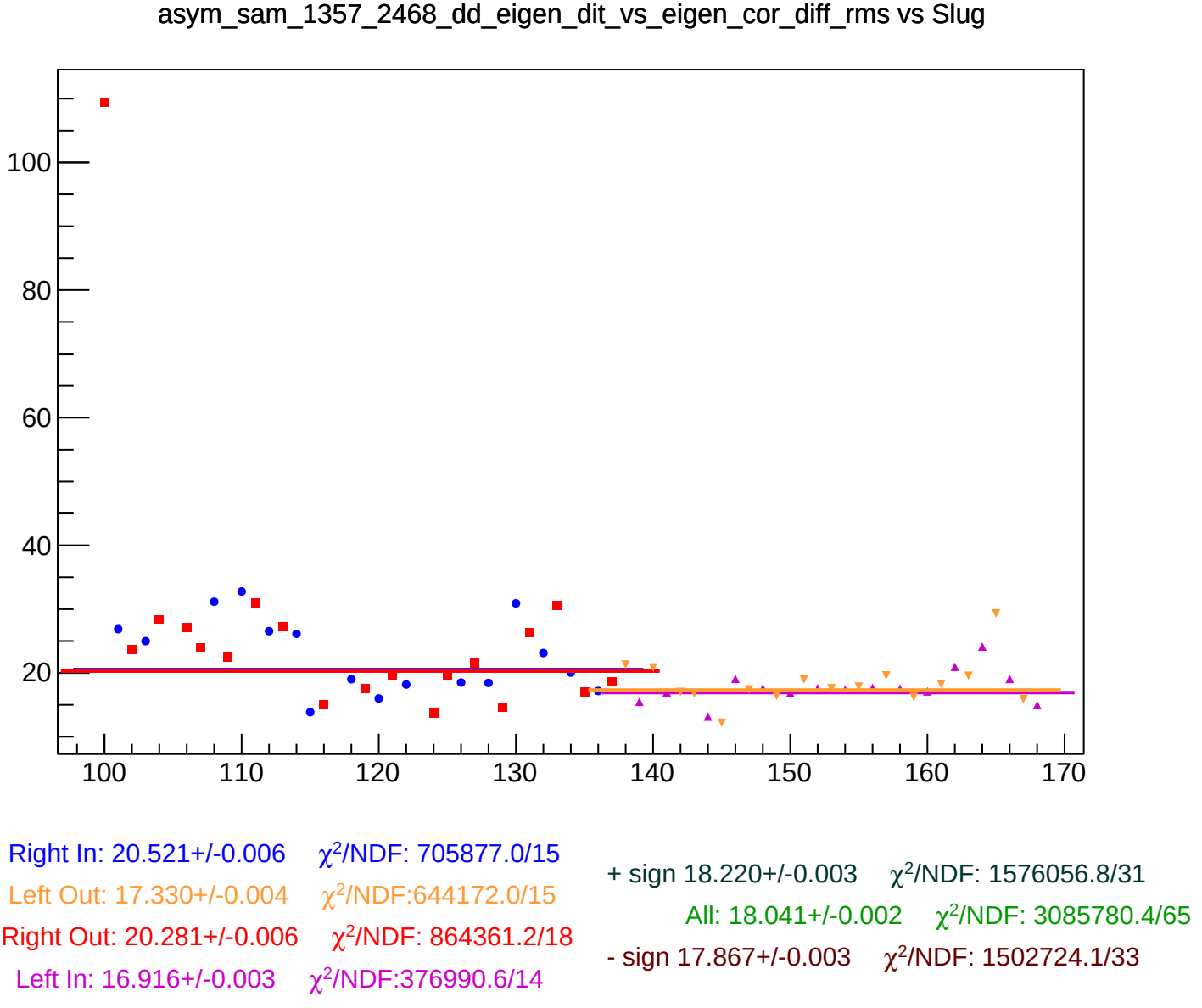
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.002+/-0.005 χ^2/NDF:23.7/14

+ sign 0.003+/-0.004 χ^2/NDF: 31.9/31

All: 0.003+/-0.003 χ^2/NDF: 72.0/65

- sign 0.003+/-0.004 χ^2/NDF: 40.1/33


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
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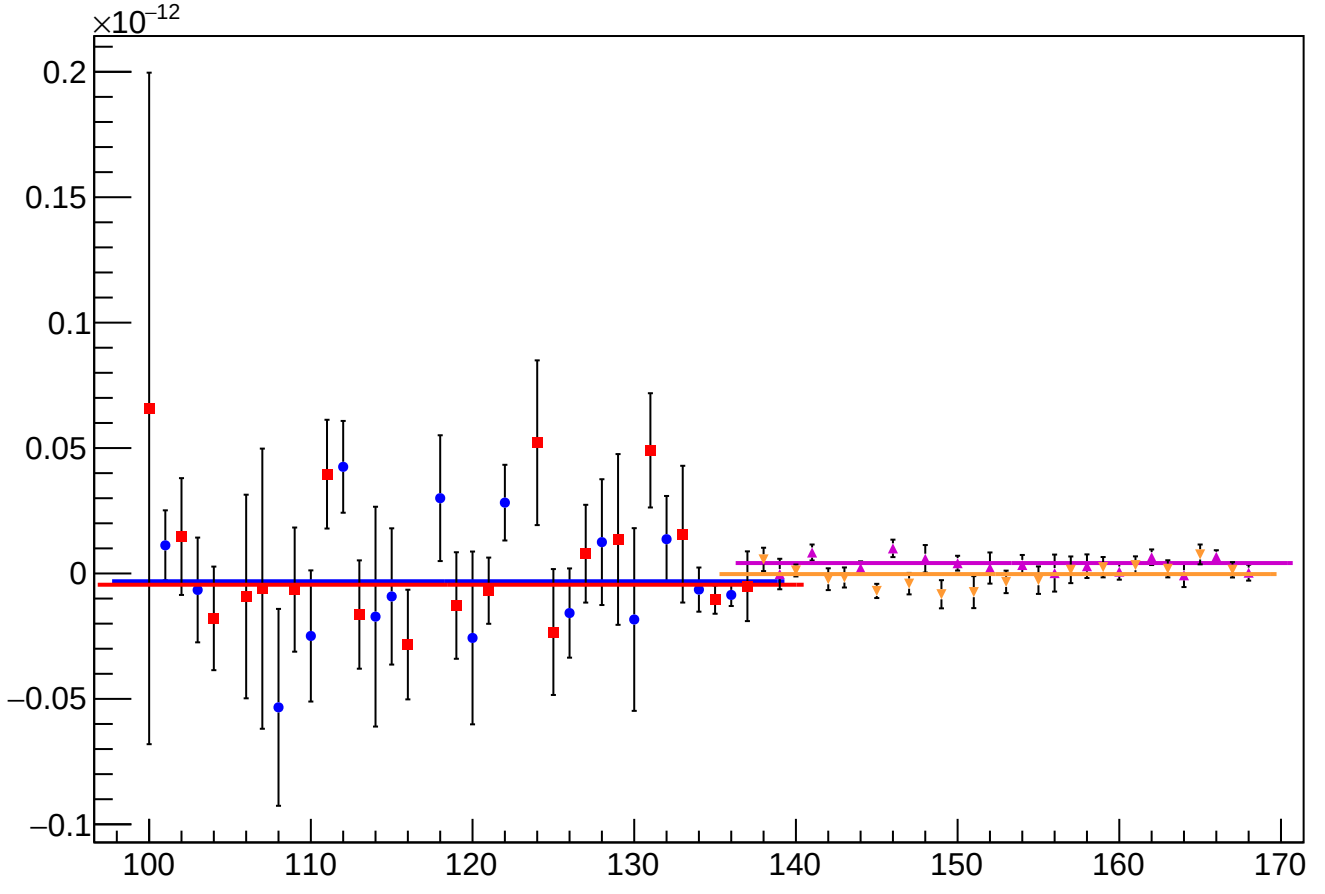
140
150
160
170
Right In: 20.521+/-0.006 χ²/NDF: 705877.0/15
Left Out: 17.330+/-0.004 χ²/NDF:644172.0/15
Right Out: 20.281+/-0.006 χ²/NDF: 864361.2/18
Left In: 16.916+/-0.003 χ²/NDF:376990.6/14
+ sign 18.220+/-0.003 χ²/NDF: 1576056.8/31
All: 18.041+/-0.002 χ²/NDF: 3085780.4/65
- sign 17.867+/-0.003 χ²/NDF: 1502724.1/33



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/15

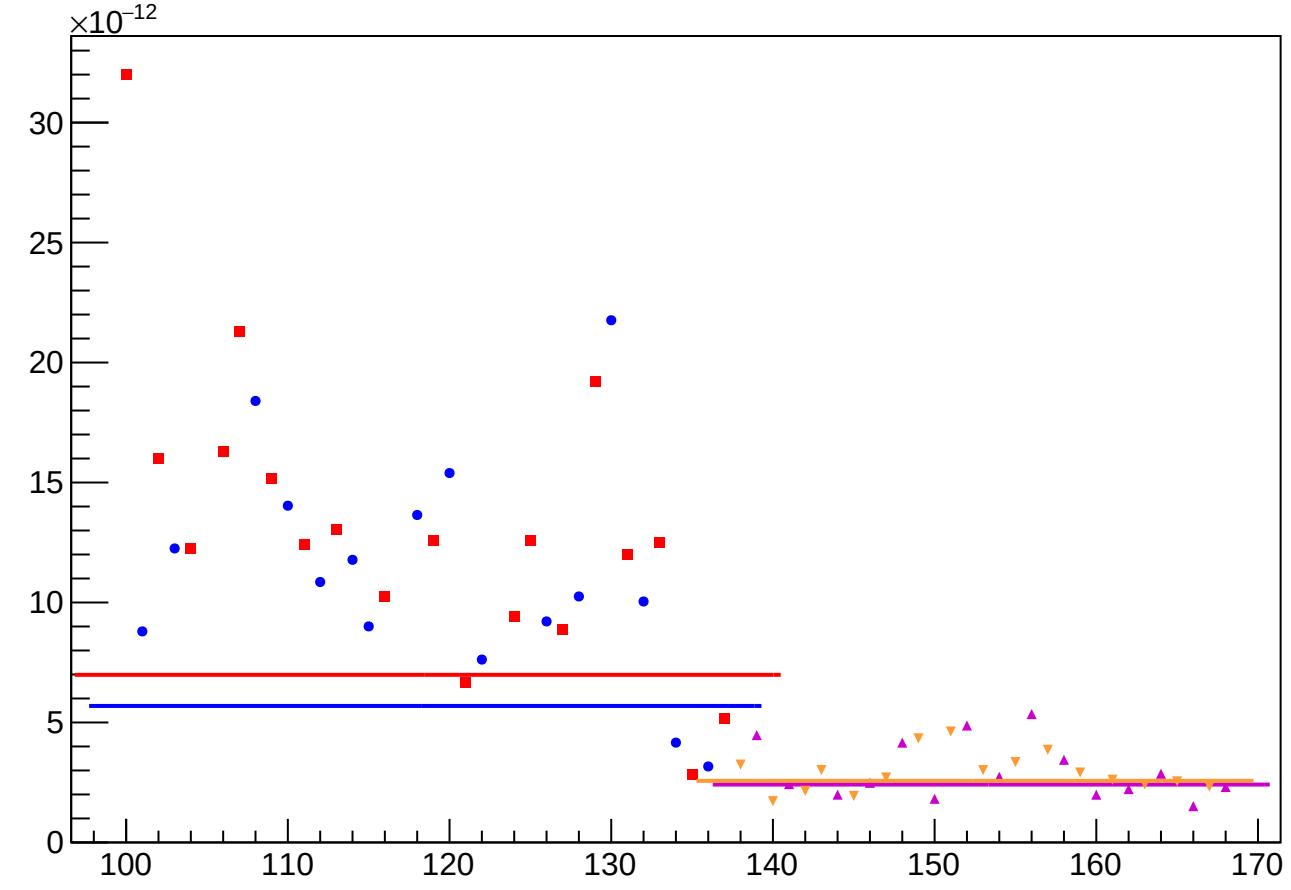
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:11.4/14

+ sign -0.000+/-0.000 χ^2/NDF: 39.6/31

All: 0.000+/-0.000 χ^2/NDF: 84.6/65

- sign 0.000+/-0.000 χ^2/NDF: 34.7/33



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1058945.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

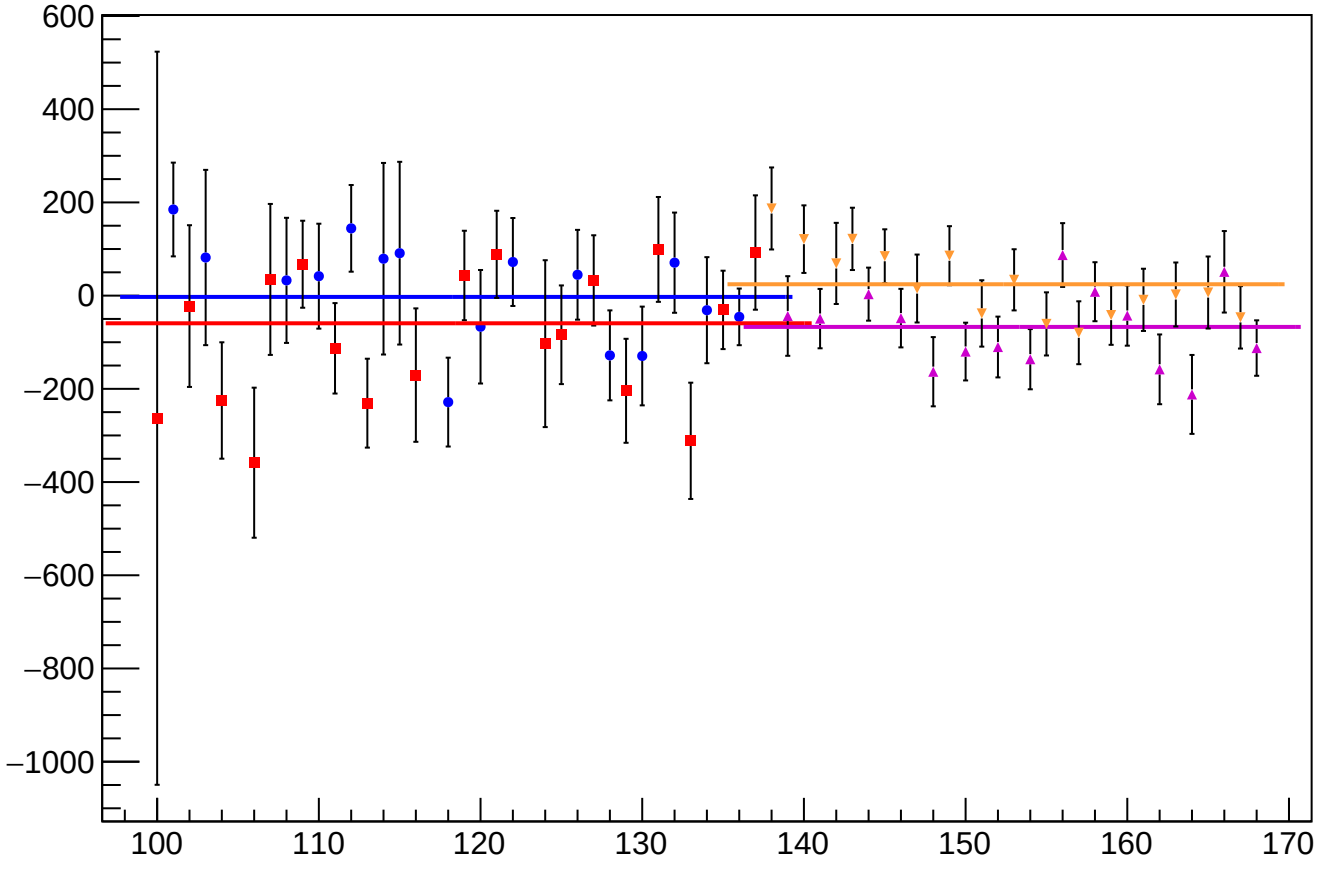
Left In: 0.000+/-0.000 χ^2/NDF:1601377.1/14

+ sign 0.000+/-0.000 χ^2/NDF: 5456080.7/31

All: 0.000+/-0.000 χ^2/NDF: 12835781.6/65

- sign 0.000+/-0.000 χ^2/NDF: 7353350.7/33

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 24.404+/-17.270 χ^2/NDF:17.0/15

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

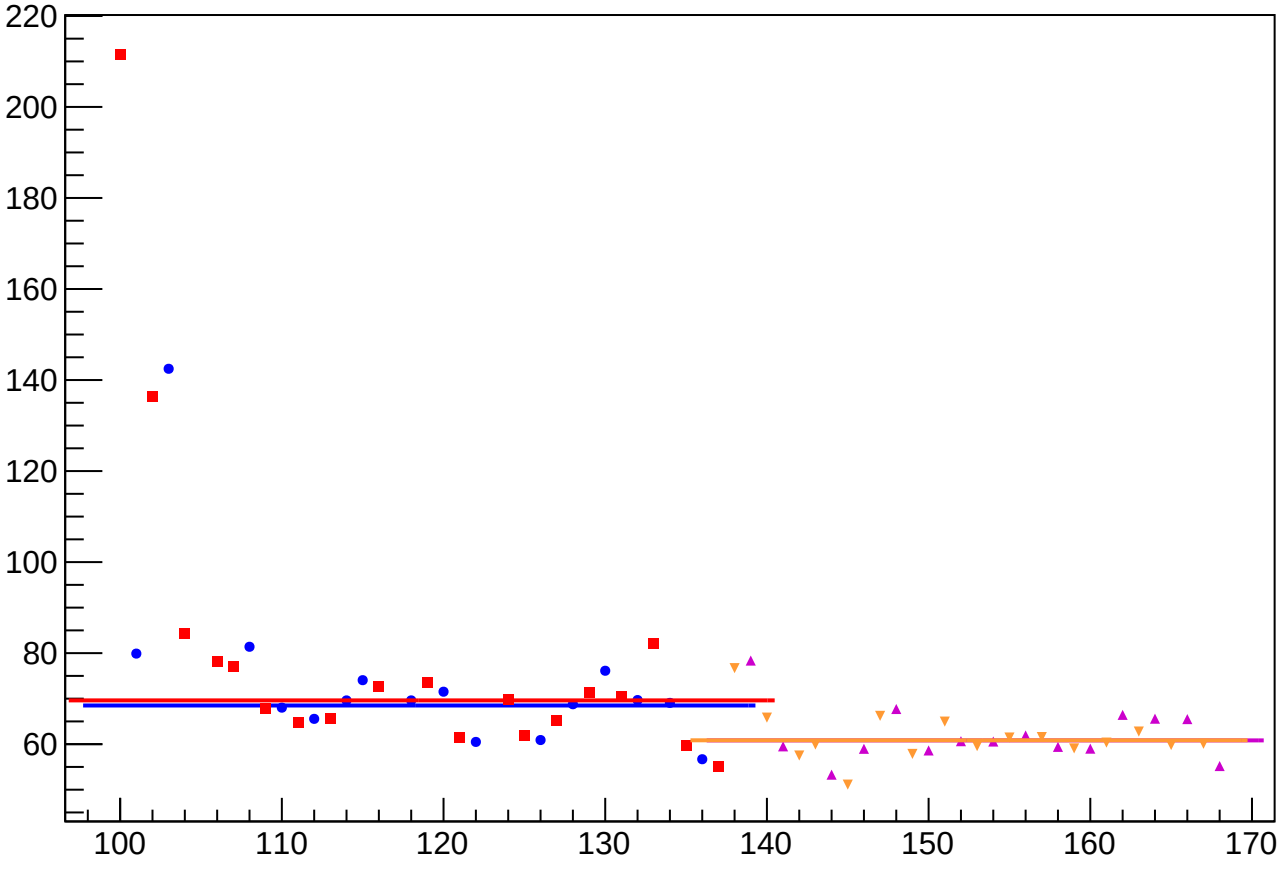
Left In: -67.129+/-17.418 χ^2/NDF:19.2/14

+ sign 16.180+/-14.421 χ^2/NDF: 35.4/31

All: -23.975+/-10.238 χ^2/NDF: 96.0/65

- sign -64.767+/-14.536 χ^2/NDF: 45.0/33

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.851+/-0.012 χ^2/NDF:161622.6/15

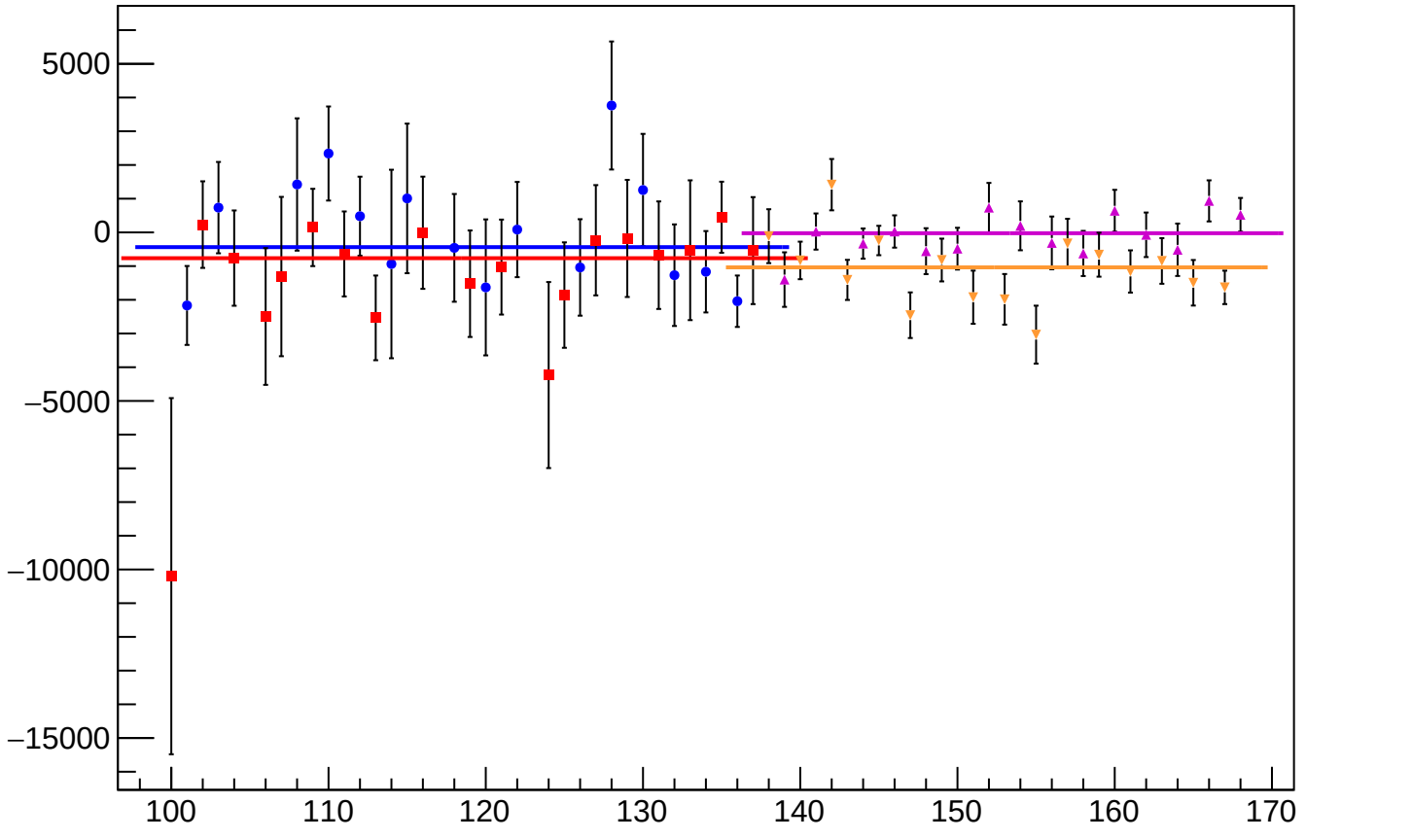
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.830+/-0.012 χ^2/NDF:186097.3/14

+ sign 63.166+/-0.010 χ^2/NDF: 752199.0/31

All: 63.331+/-0.007 χ^2/NDF: 1613823.0/65

- sign 63.498+/-0.010 χ^2/NDF: 861095.7/33



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -1037.298+/-159.725 χ^2/NDF:31.6/15

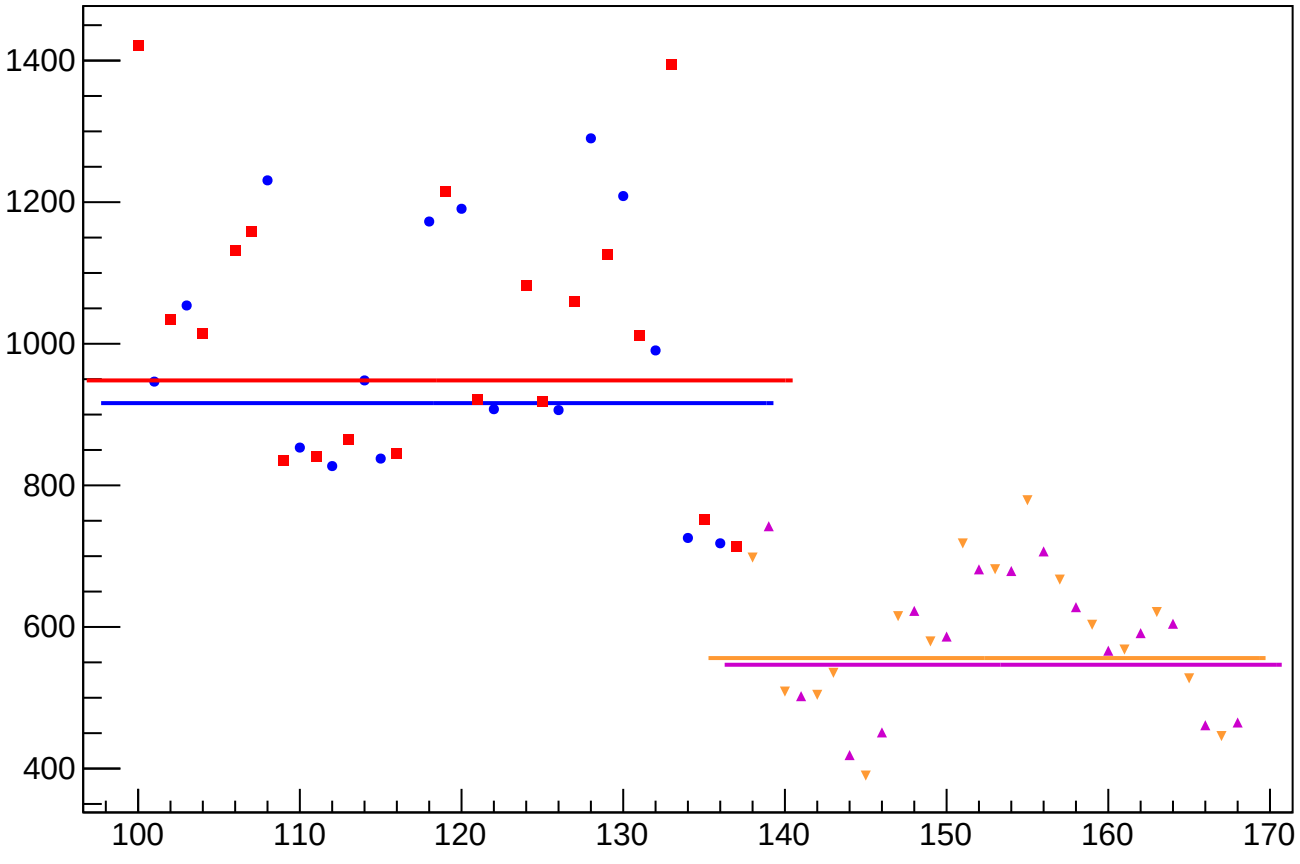
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -24.351+/-158.209 χ^2/NDF:11.9/14

+ sign -933.354+/-145.229 χ^2/NDF: 54.6/31

All: -538.497+/-102.389 χ^2/NDF: 96.2/65

- sign -148.265+/-144.376 χ^2/NDF: 26.9/33



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 556.064+/-0.113 χ^2/NDF:849237.3/15

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

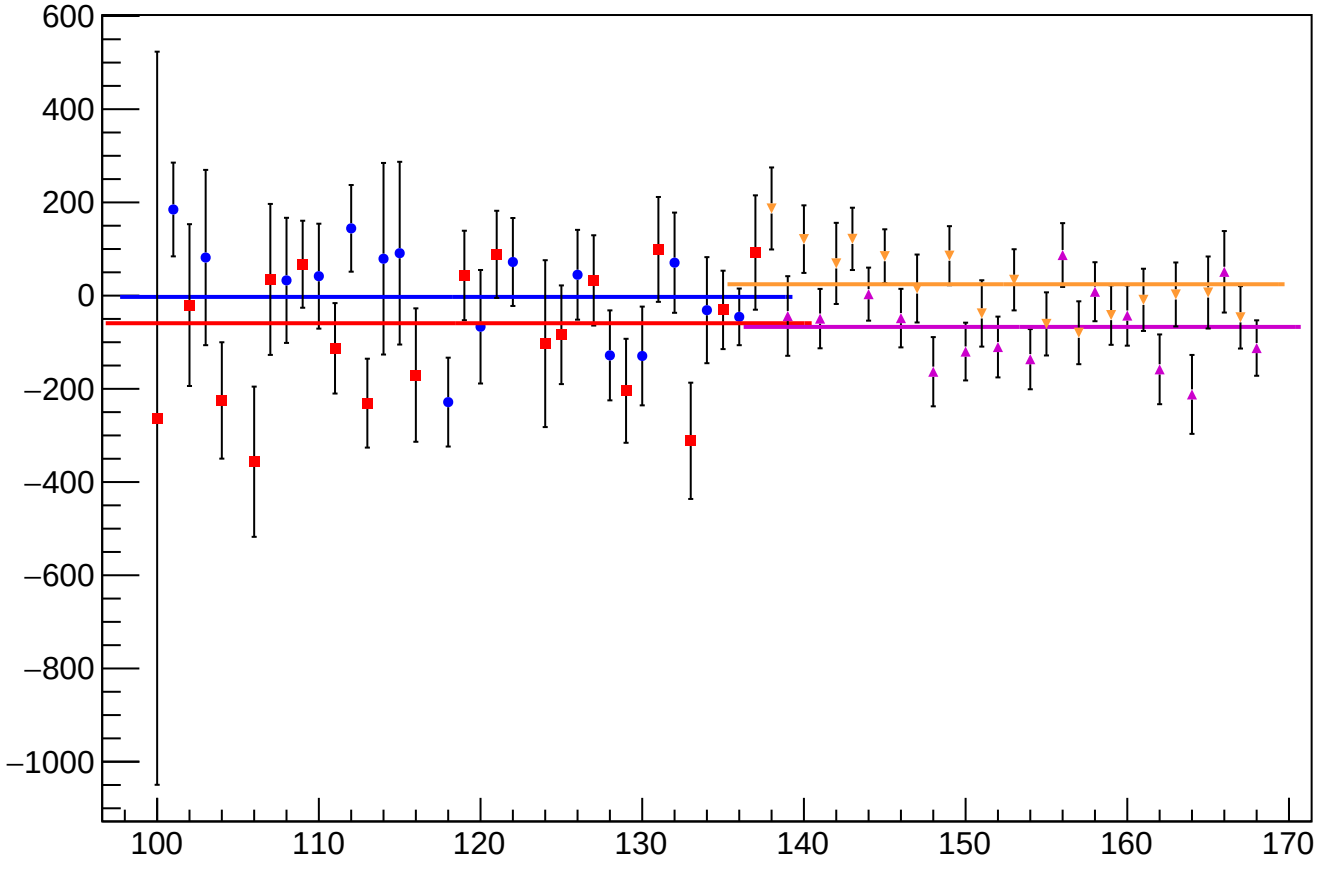
Left In: 546.623+/-0.112 χ^2/NDF:767749.2/14

+ sign 618.464+/-0.103 χ^2/NDF: 3119927.1/31

All: 616.110+/-0.072 χ^2/NDF: 6459131.3/65

- sign 613.784+/-0.102 χ^2/NDF: 3338159.8/33

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 24.407+/-17.270 χ^2/NDF:17.0/15

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

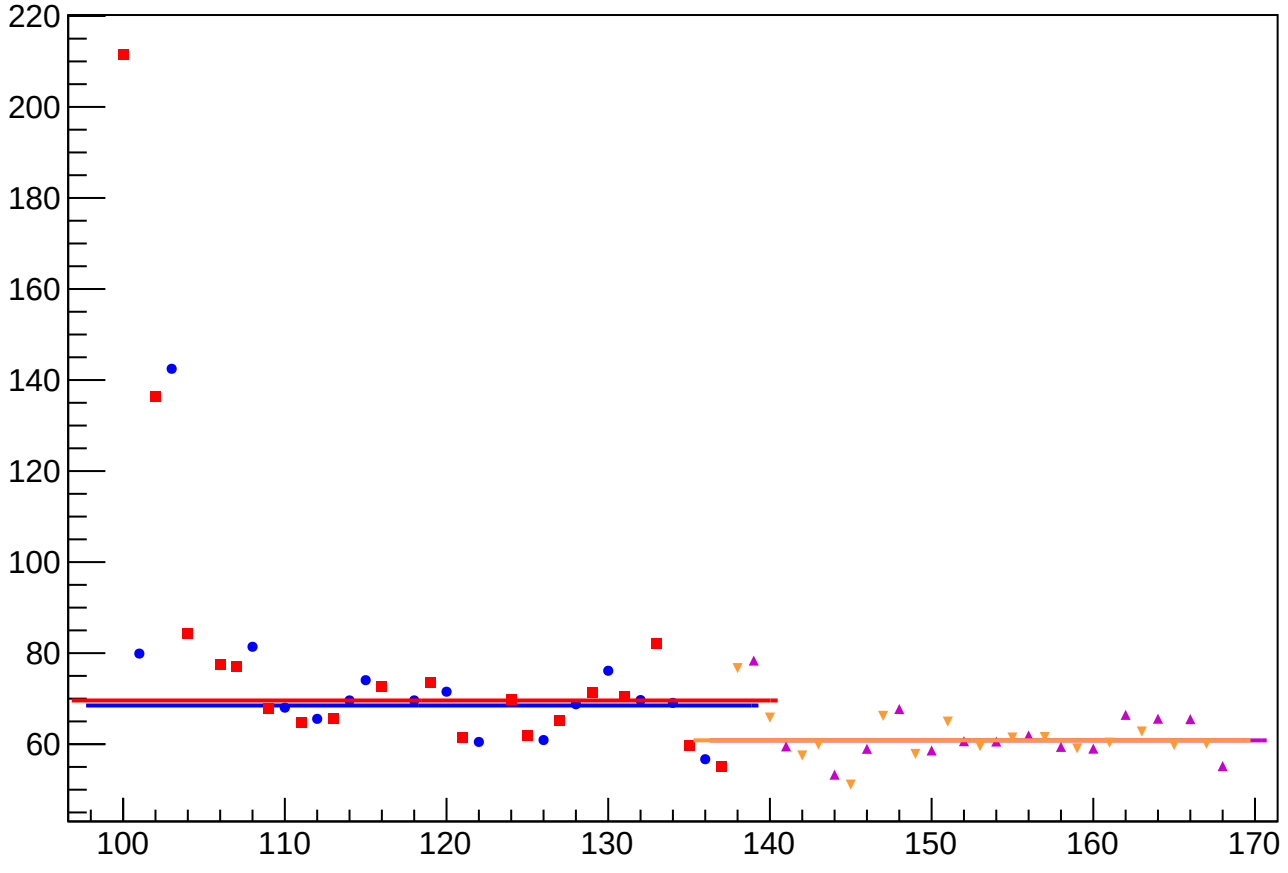
Left In: -67.128+/-17.418 χ^2/NDF:19.2/14

+ sign 16.180+/-14.421 χ^2/NDF: 35.4/31

All: -23.956+/-10.238 χ^2/NDF: 96.0/65

- sign -64.730+/-14.536 χ^2/NDF: 44.9/33

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.851+/-0.012 χ^2/NDF:161622.6/15

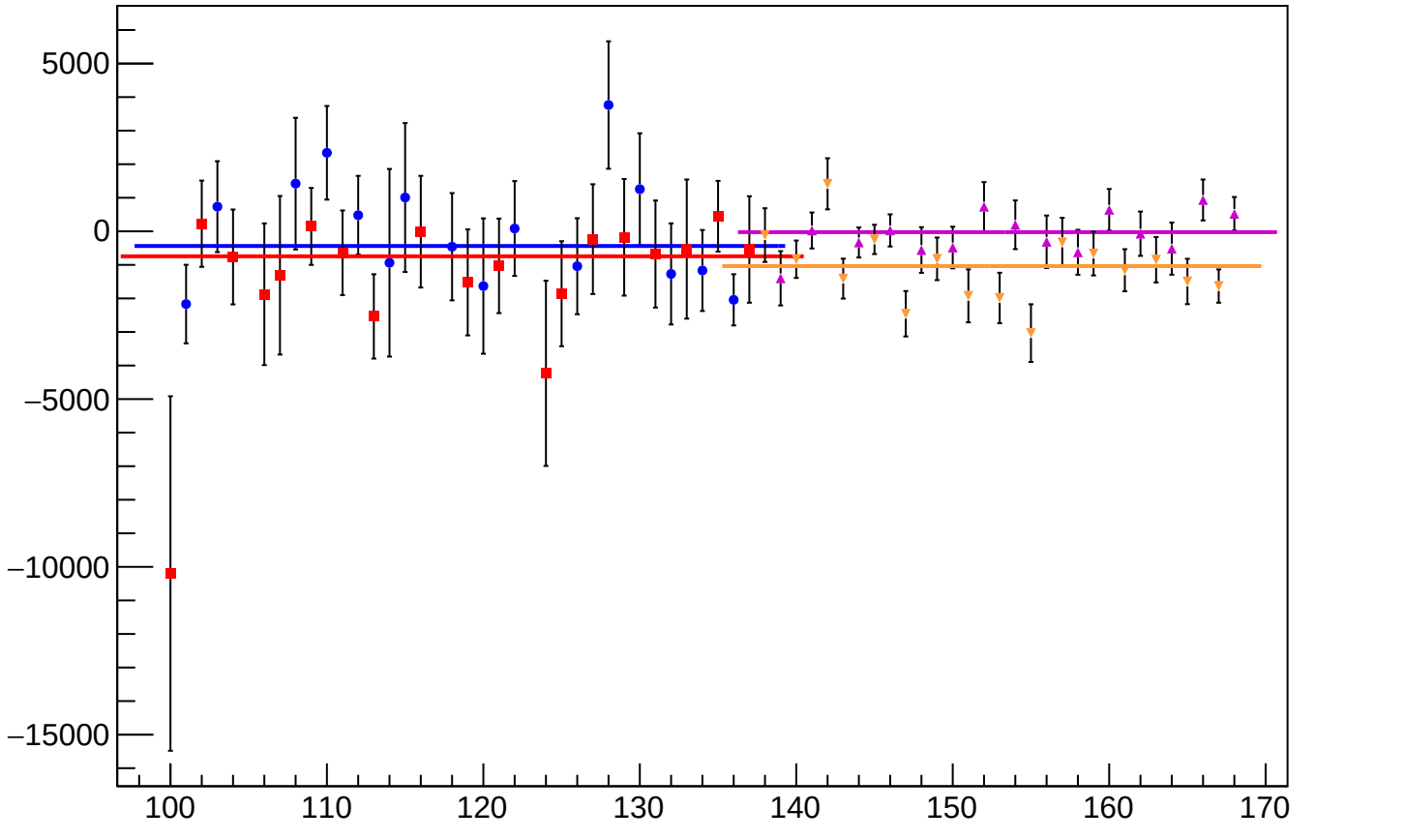
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.830+/-0.012 χ^2/NDF:186097.3/14

+ sign 63.166+/-0.010 χ^2/NDF: 752202.0/31

All: 63.328+/-0.007 χ^2/NDF: 1612506.8/65

- sign 63.492+/-0.010 χ^2/NDF: 859795.5/33



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -1037.291+/-159.725 χ^2/NDF:31.6/15

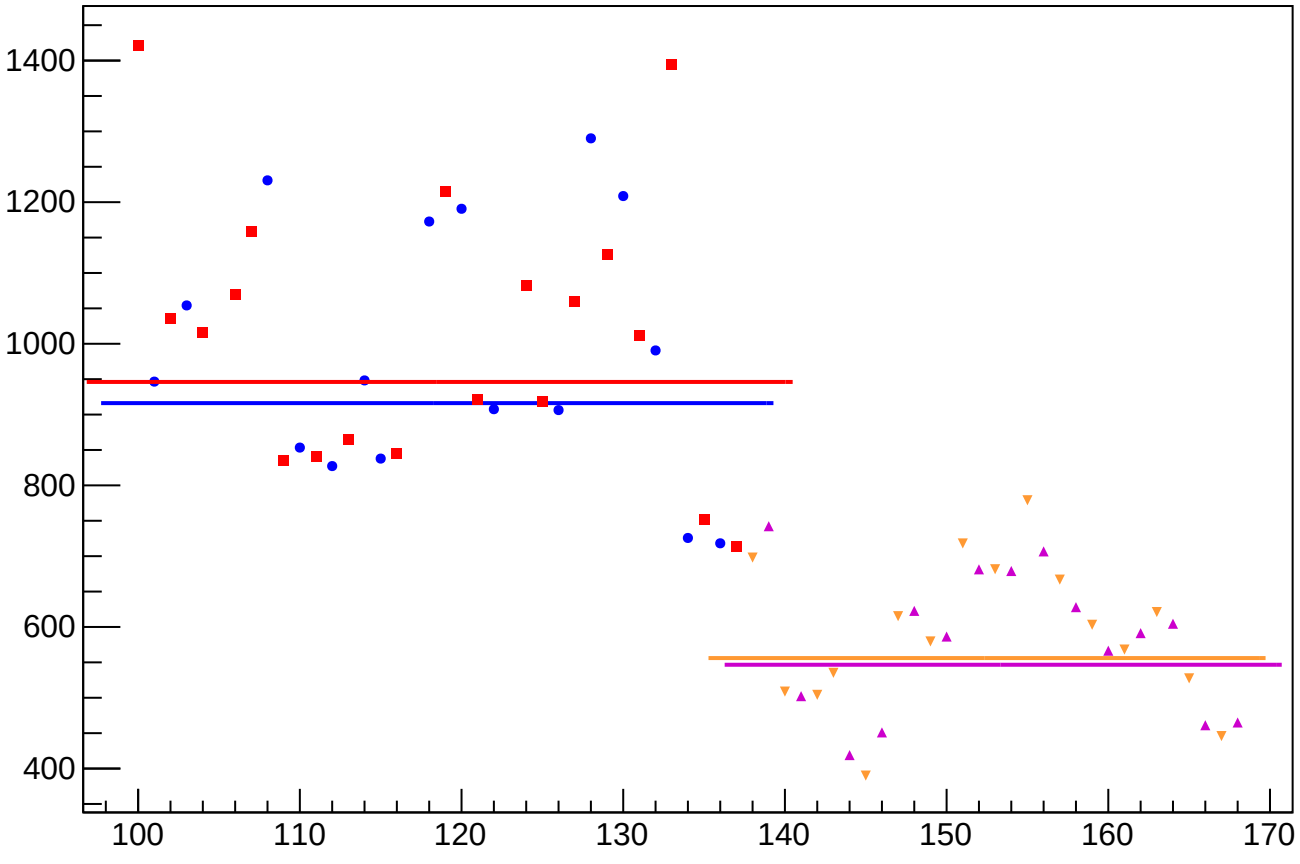
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -24.353+/-158.209 χ^2/NDF:11.9/14

+ sign -933.344+/-145.229 χ^2/NDF: 54.6/31

All: -536.688+/-102.400 χ^2/NDF: 95.6/65

- sign -144.517+/-144.405 χ^2/NDF: 26.2/33



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 556.064+/-0.113 χ^2/NDF:849241.8/15

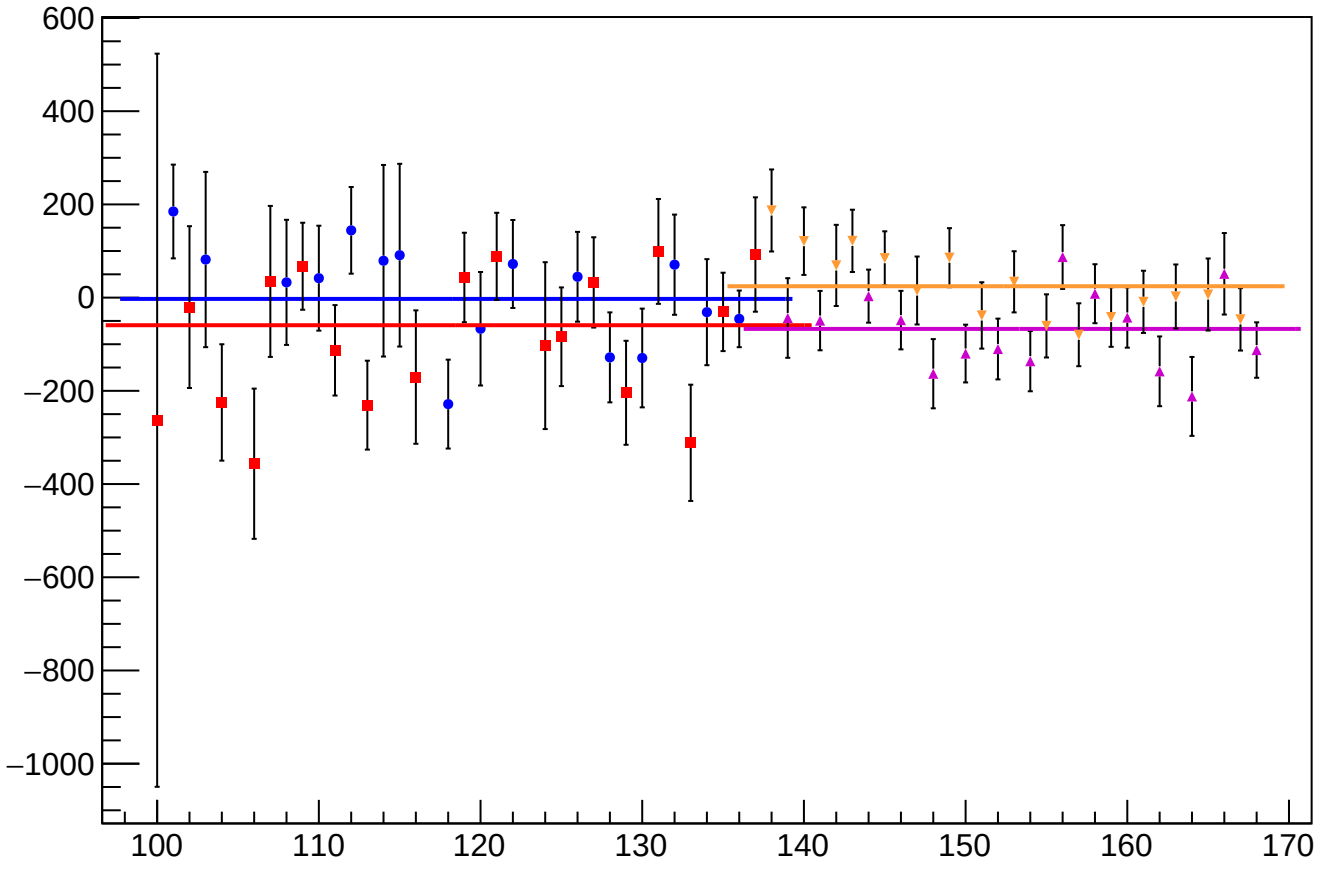
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 546.624+/-0.112 χ^2/NDF:767746.8/14

+ sign 618.464+/-0.103 χ^2/NDF: 3119979.8/31

All: 615.862+/-0.072 χ^2/NDF: 6422316.9/65

- sign 613.289+/-0.102 χ^2/NDF: 3301060.3/33



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 24.407+/-17.270 χ^2/NDF:17.0/15

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

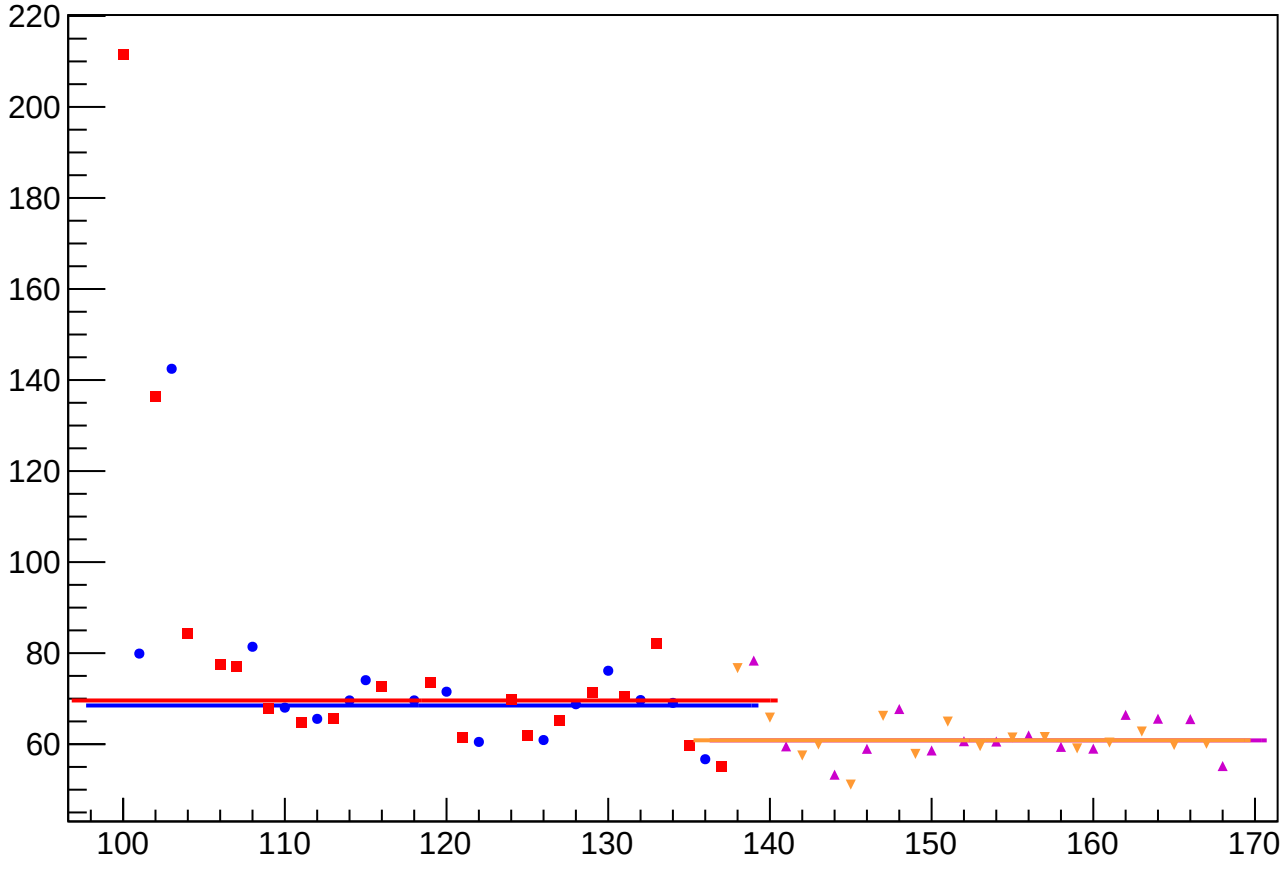
Left In: -67.128+/-17.418 χ^2/NDF:19.2/14

+ sign 16.180+/-14.421 χ^2/NDF: 35.4/31

All: -23.956+/-10.238 χ^2/NDF: 96.0/65

- sign -64.730+/-14.536 χ^2/NDF: 44.9/33

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.851+/-0.012 χ^2/NDF:161622.6/15

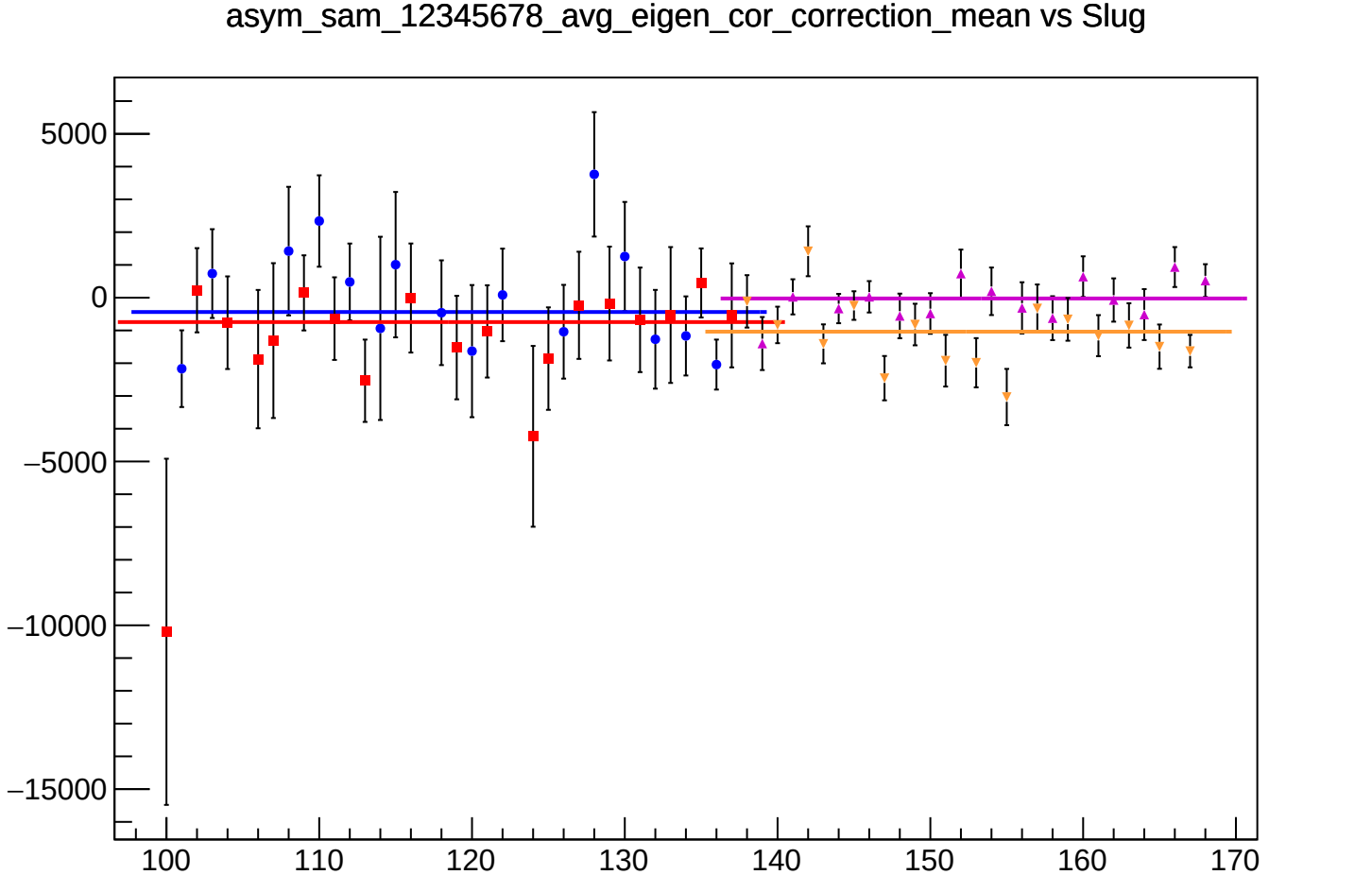
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.830+/-0.012 χ^2/NDF:186097.3/14

+ sign 63.166+/-0.010 χ^2/NDF: 752202.0/31

All: 63.328+/-0.007 χ^2/NDF: 1612506.8/65

- sign 63.492+/-0.010 χ^2/NDF: 859795.5/33



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -1037.291+/-159.725 χ^2/NDF:31.6/15

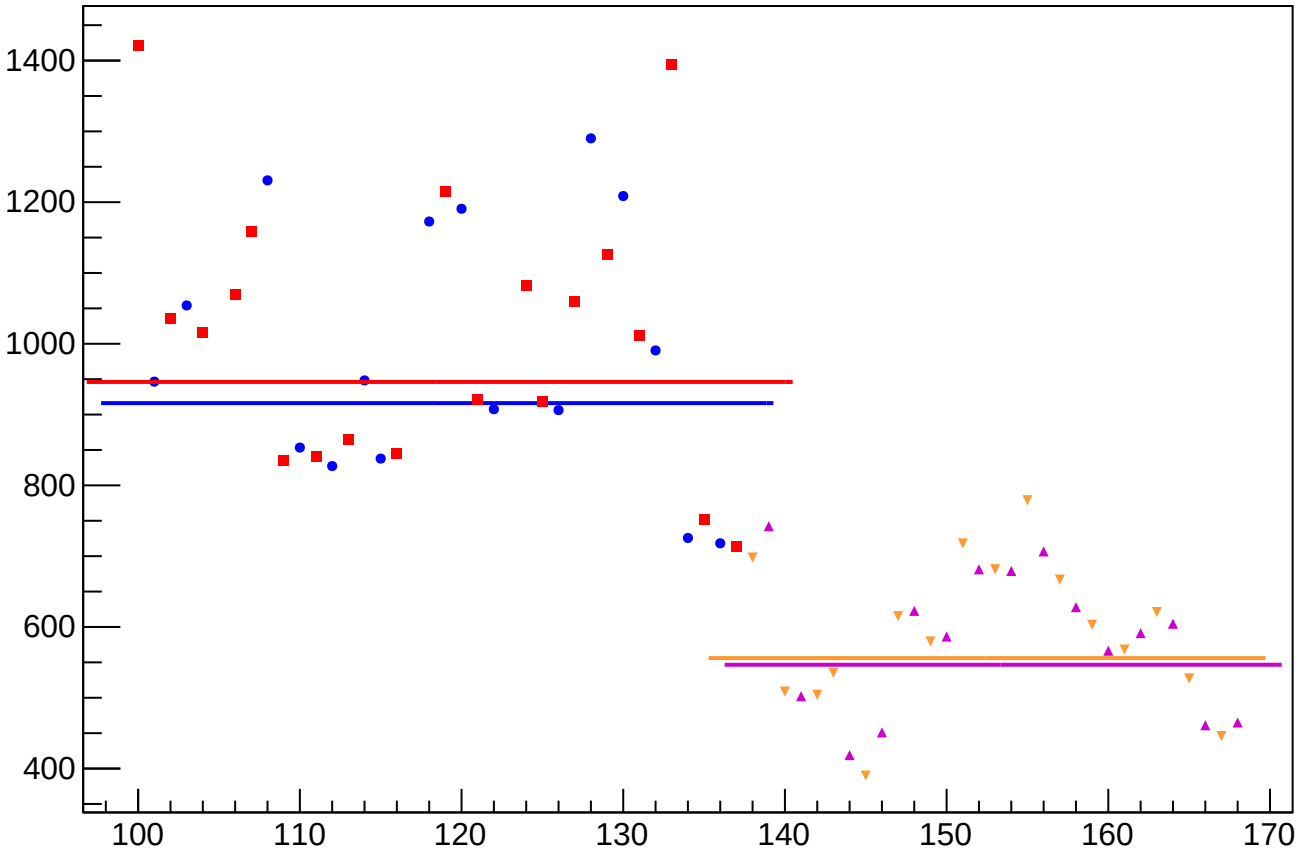
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -24.353+/-158.209 χ^2/NDF:11.9/14

+ sign -933.344+/-145.229 χ^2/NDF: 54.6/31

All: -536.688+/-102.400 χ^2/NDF: 95.6/65

- sign -144.517+/-144.405 χ^2/NDF: 26.2/33



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 556.064+/-0.113 χ^2/NDF:849241.8/15

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

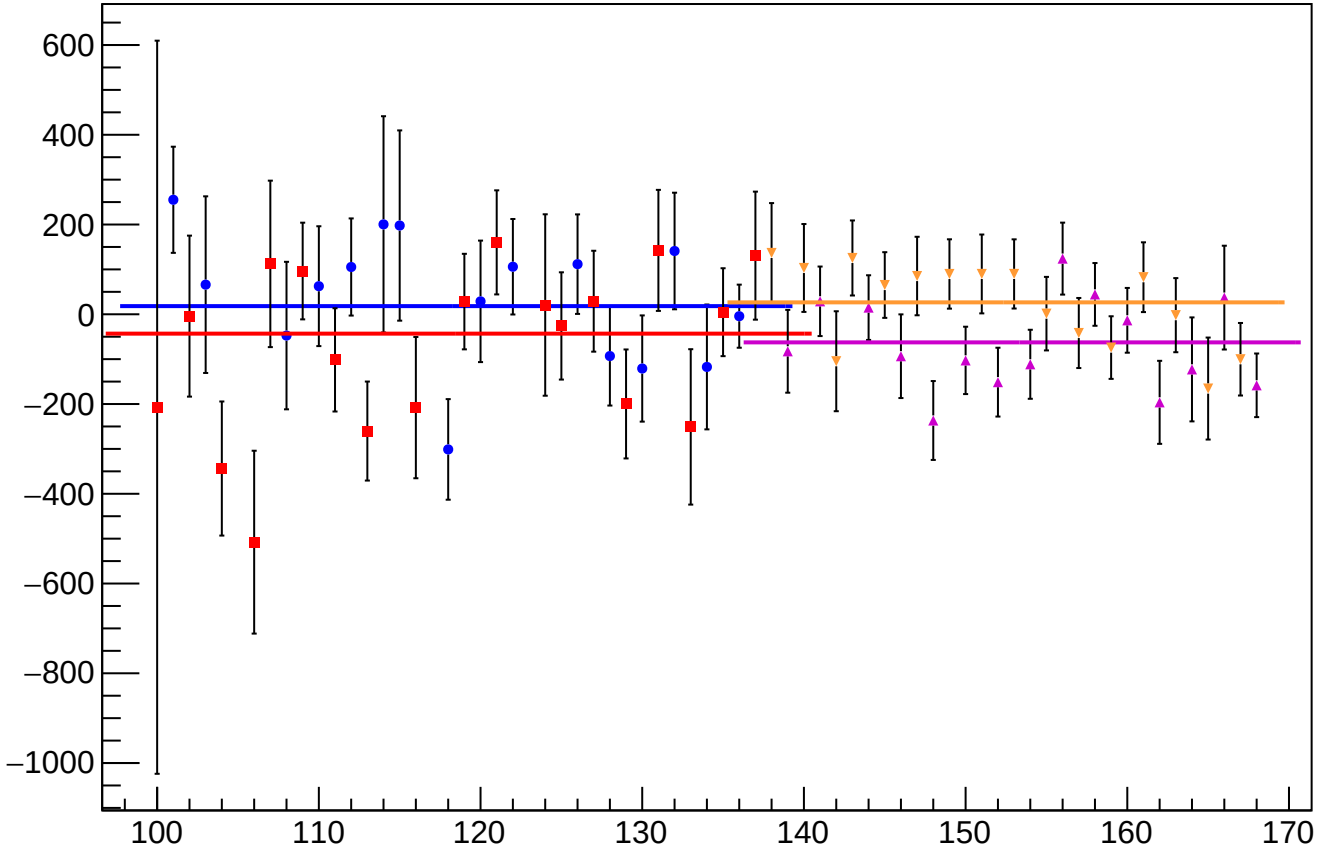
Left In: 546.624+/-0.112 χ^2/NDF:767746.8/14

+ sign 618.464+/-0.103 χ^2/NDF: 3119979.8/31

All: 615.862+/-0.072 χ^2/NDF: 6422316.9/65

- sign 613.289+/-0.102 χ^2/NDF: 3301060.3/33

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 26.545+/-21.068 χ^2/NDF:15.9/15

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

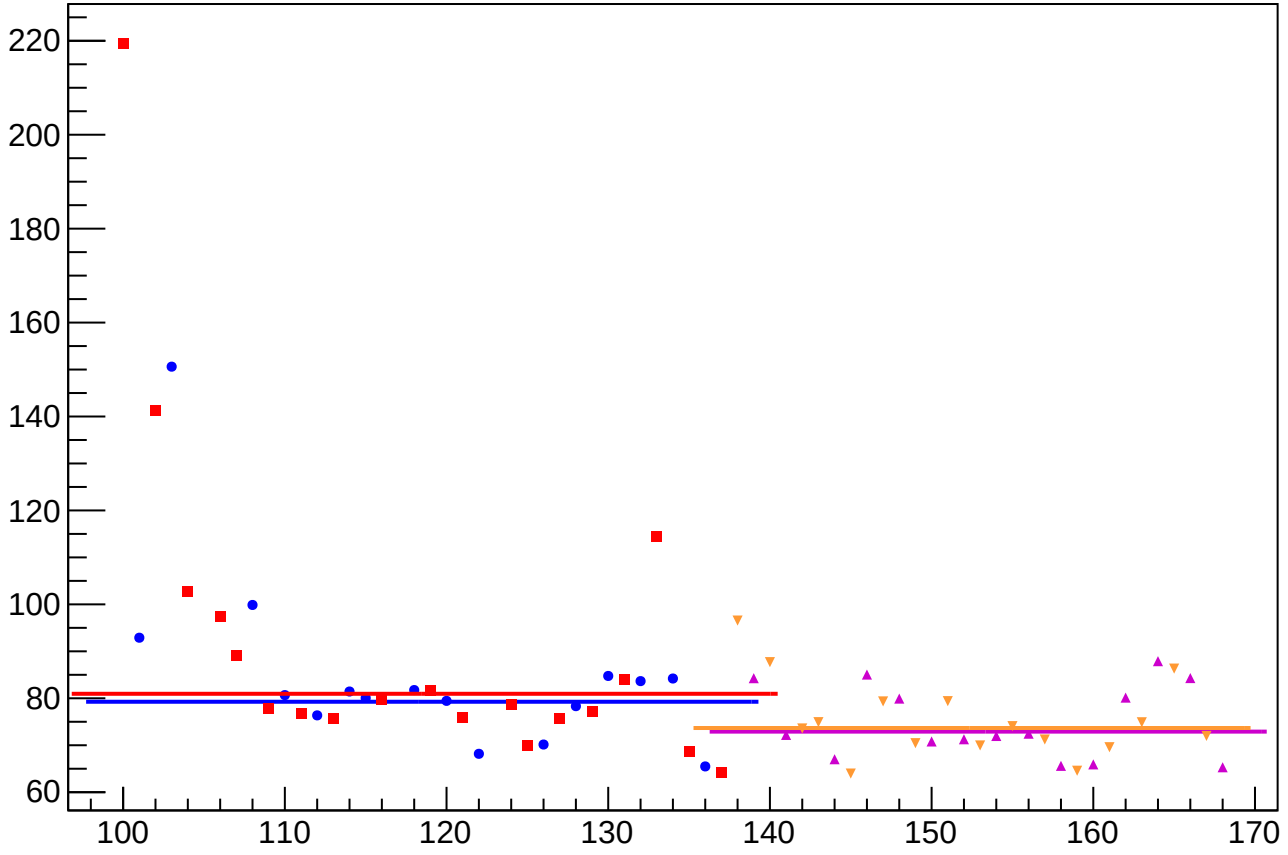
Left In: -62.626+/-21.058 χ^2/NDF:21.8/14

+ sign 23.823+/-17.306 χ^2/NDF: 36.1/31

All: -16.147+/-12.259 χ^2/NDF: 96.6/65

- sign -56.395+/-17.367 χ^2/NDF: 49.8/33

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 73.672+/-0.015 χ^2/NDF:253952.3/15

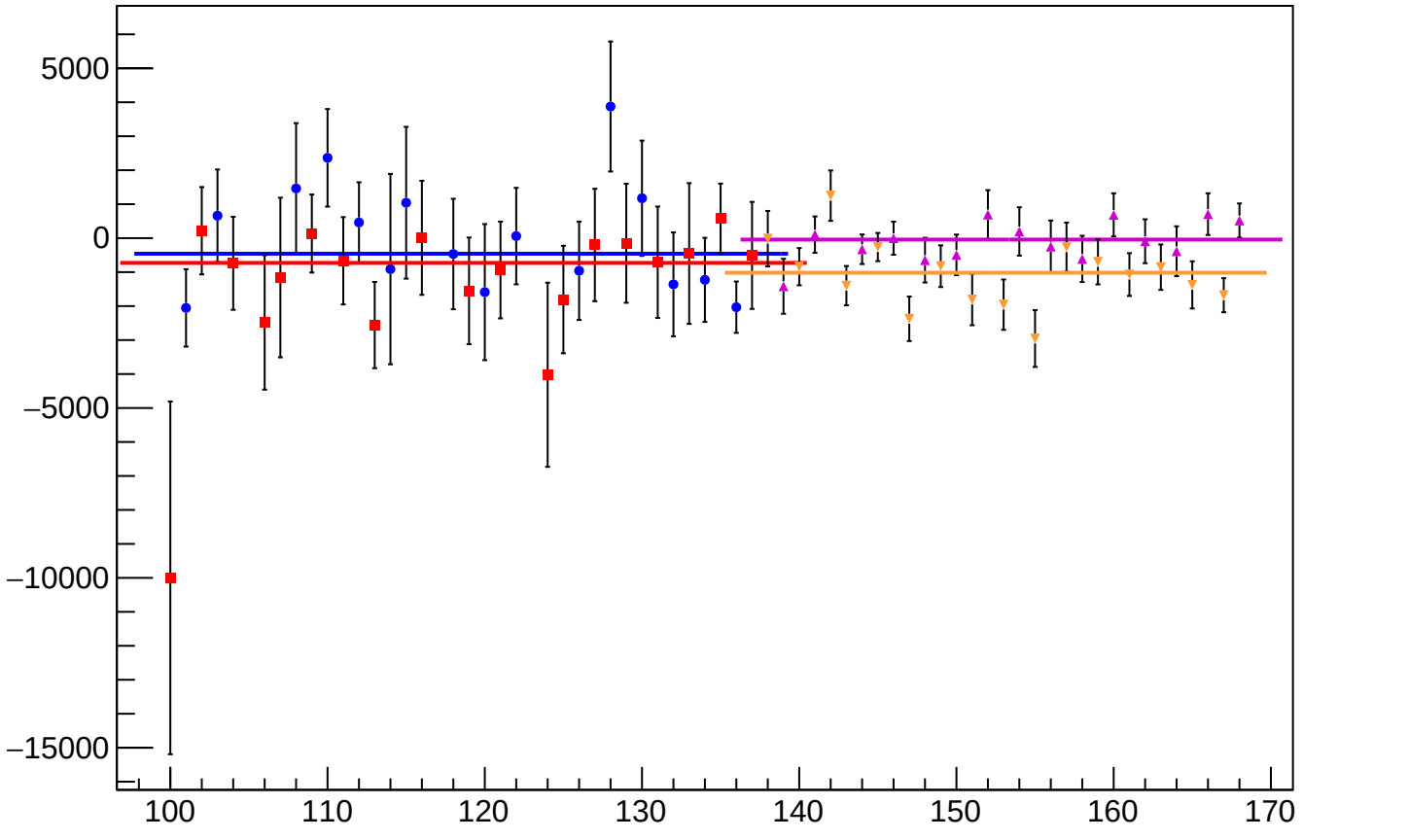
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.903+/-0.015 χ^2/NDF:222063.4/14

+ sign 75.490+/-0.012 χ^2/NDF: 744718.7/31

All: 75.485+/-0.009 χ^2/NDF: 1574584.0/65

- sign 75.479+/-0.012 χ^2/NDF: 829864.9/33



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -1018.254+/-157.283 χ^2/NDF:30.6/15

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

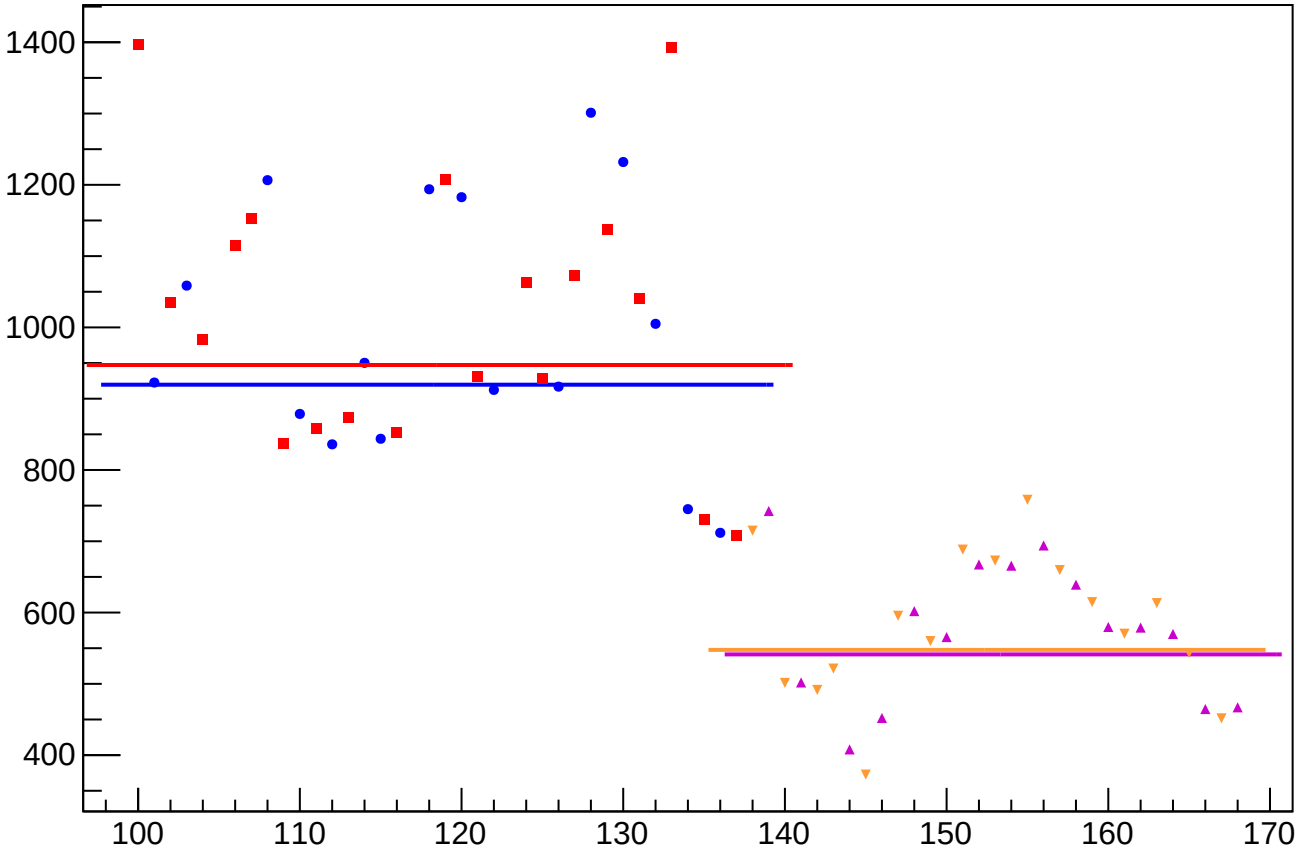
Left In: -42.179+/-156.660 χ^2/NDF:11.0/14

+ sign -924.176+/-143.468 χ^2/NDF: 53.0/31

All: -538.963+/-101.340 χ^2/NDF: 93.1/65

- sign -155.380+/-143.164 χ^2/NDF: 25.7/33

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 547.648+/-0.111 χ^2/NDF:897422.3/15

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

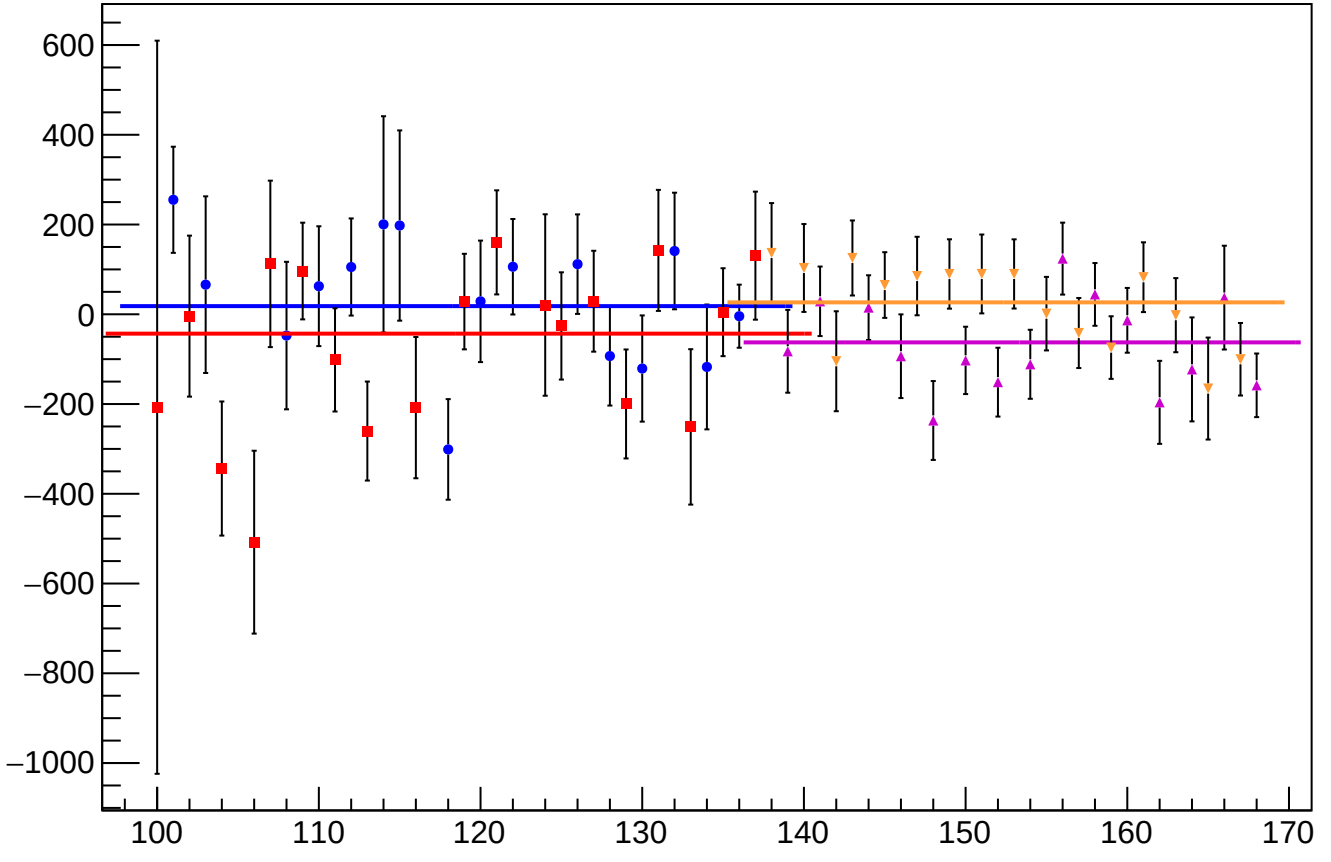
Left In: 541.296+/-0.111 χ^2/NDF:744649.5/14

+ sign 610.125+/-0.101 χ^2/NDF: 3291831.8/31

All: 609.177+/-0.072 χ^2/NDF: 6676738.0/65

- sign 608.233+/-0.101 χ^2/NDF: 3384732.0/33

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 26.547+/-21.069 χ^2/NDF:15.9/15

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

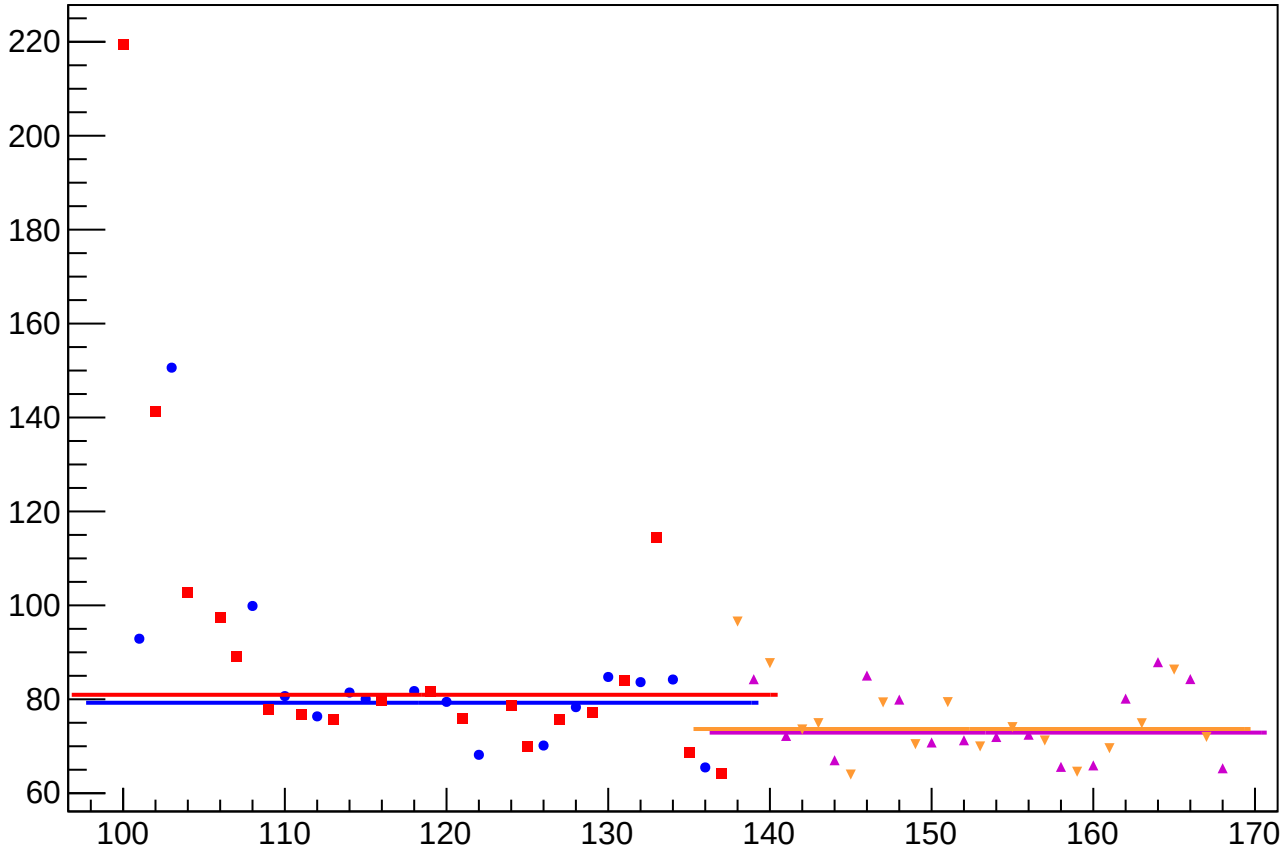
Left In: -62.625+/-21.058 χ^2/NDF:21.8/14

+ sign 23.824+/-17.306 χ^2/NDF: 36.1/31

All: -16.146+/-12.259 χ^2/NDF: 96.6/65

- sign -56.394+/-17.367 χ^2/NDF: 49.8/33

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 73.672+/-0.015 χ^2/NDF:253949.2/15

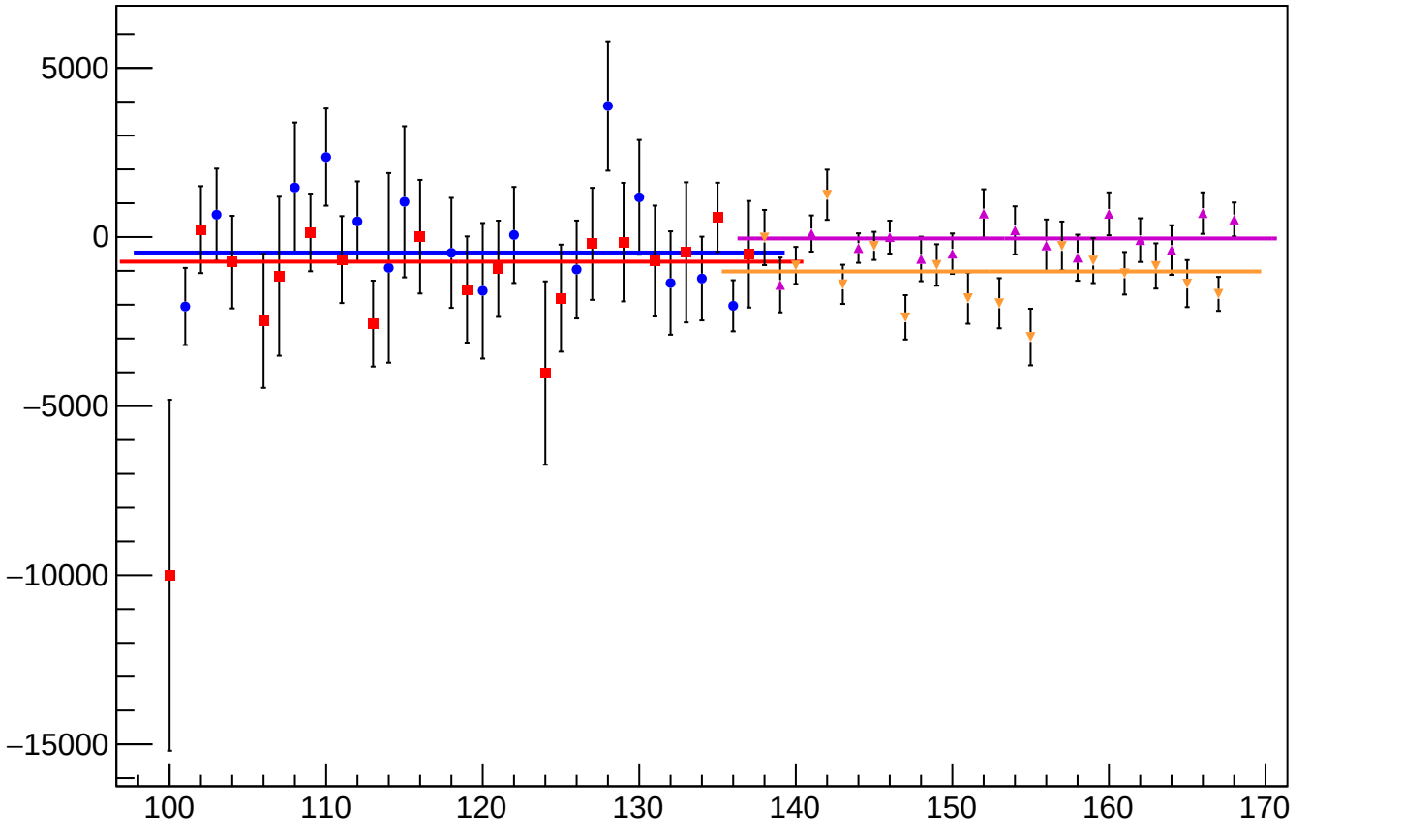
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.903+/-0.015 χ^2/NDF:222067.8/14

+ sign 75.490+/-0.012 χ^2/NDF: 744704.7/31

All: 75.485+/-0.009 χ^2/NDF: 1574572.8/65

- sign 75.479+/-0.012 χ^2/NDF: 829867.8/33



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -1018.253+/-157.283 χ^2/NDF:30.6/15

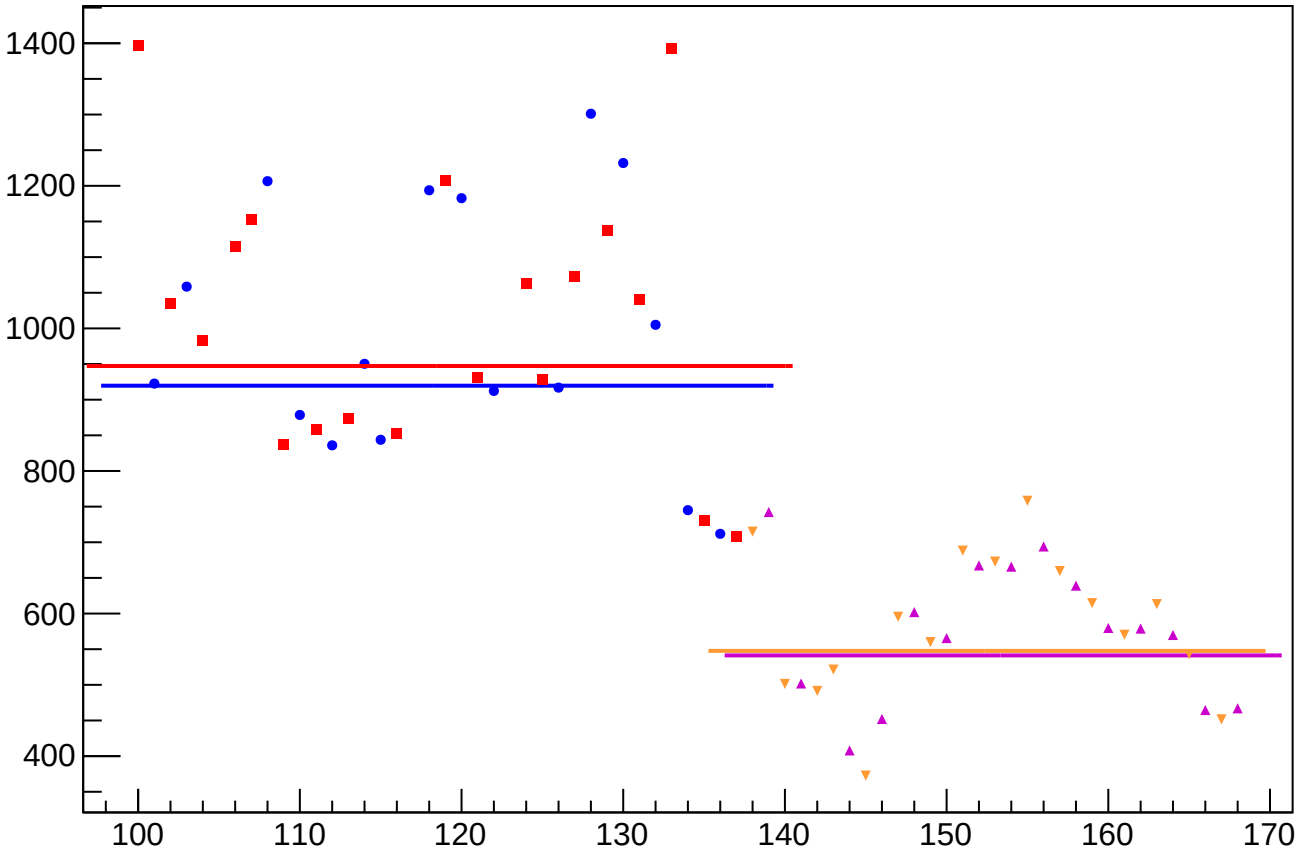
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -42.178+/-156.660 χ^2/NDF:11.0/14

+ sign -924.174+/-143.468 χ^2/NDF: 53.0/31

All: -538.961+/-101.339 χ^2/NDF: 93.1/65

- sign -155.380+/-143.164 χ^2/NDF: 25.7/33



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 547.647+/-0.111 χ^2/NDF:897426.9/15

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

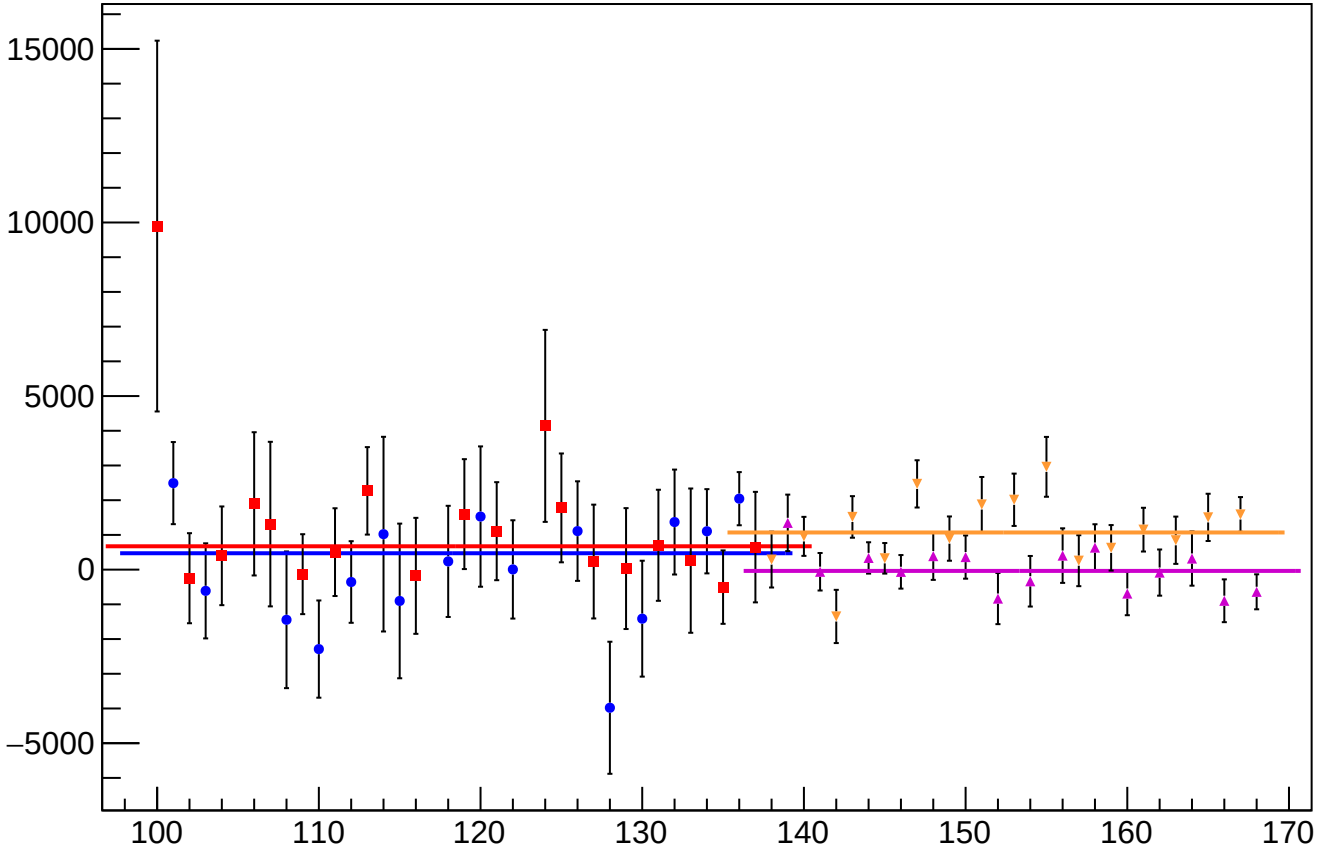
Left In: 541.295+/-0.111 χ^2/NDF:744649.7/14

\+ sign 610.124+/-0.101 χ^2/NDF: 3291833.4/31

All: 609.176+/-0.072 χ^2/NDF: 6676735.7/65

\- sign 608.232+/-0.101 χ^2/NDF: 3384728.1/33

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 1070.275+/-160.773 χ^2/NDF:29.4/15

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

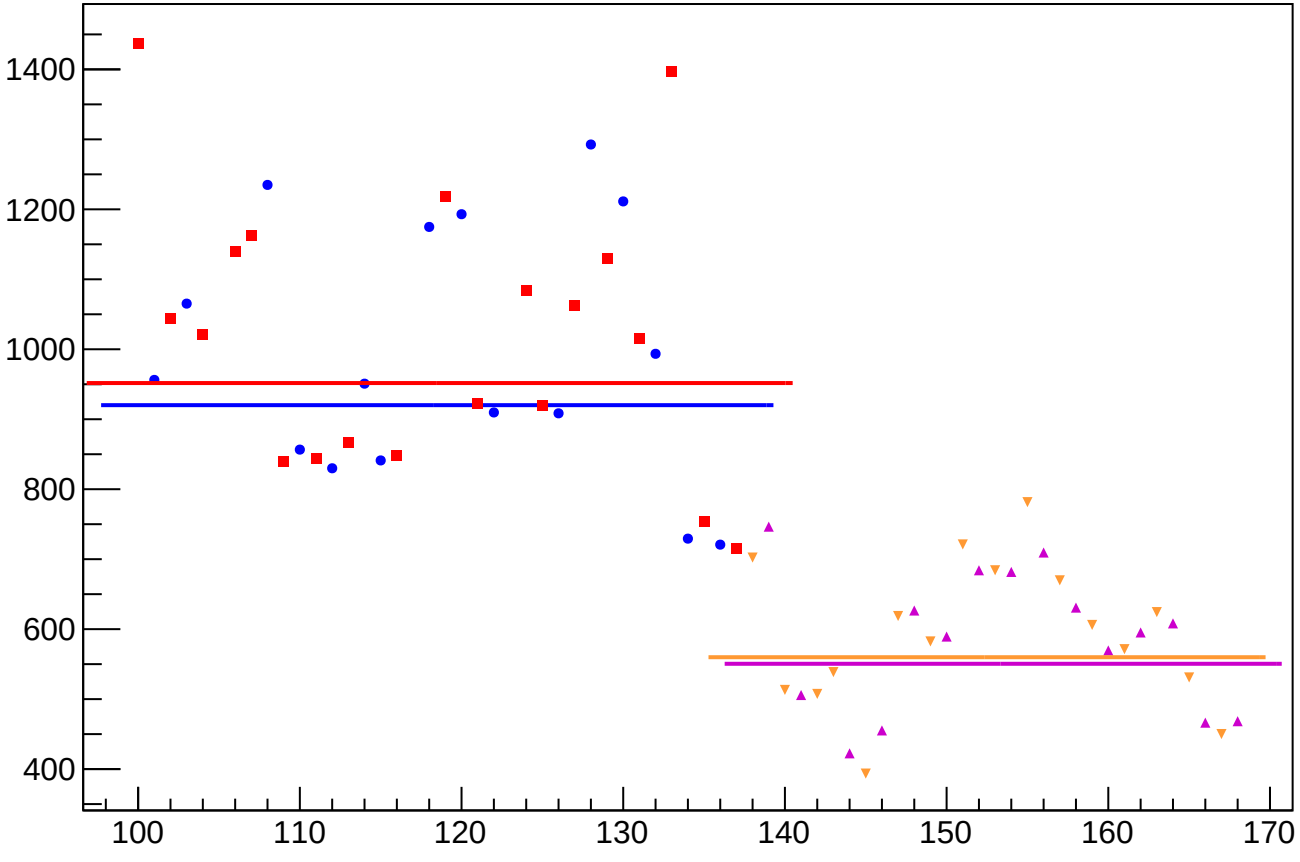
Left In: -36.949+/-159.283 χ^2/NDF:11.7/14

\+ sign 966.220+/-146.124 χ^2/NDF: 53.3/31

All: 521.695+/-103.030 χ^2/NDF: 97.0/65

\- sign 82.220+/-145.292 χ^2/NDF: 25.4/33

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 559.891+/-0.114 χ^2/NDF:833696.5/15

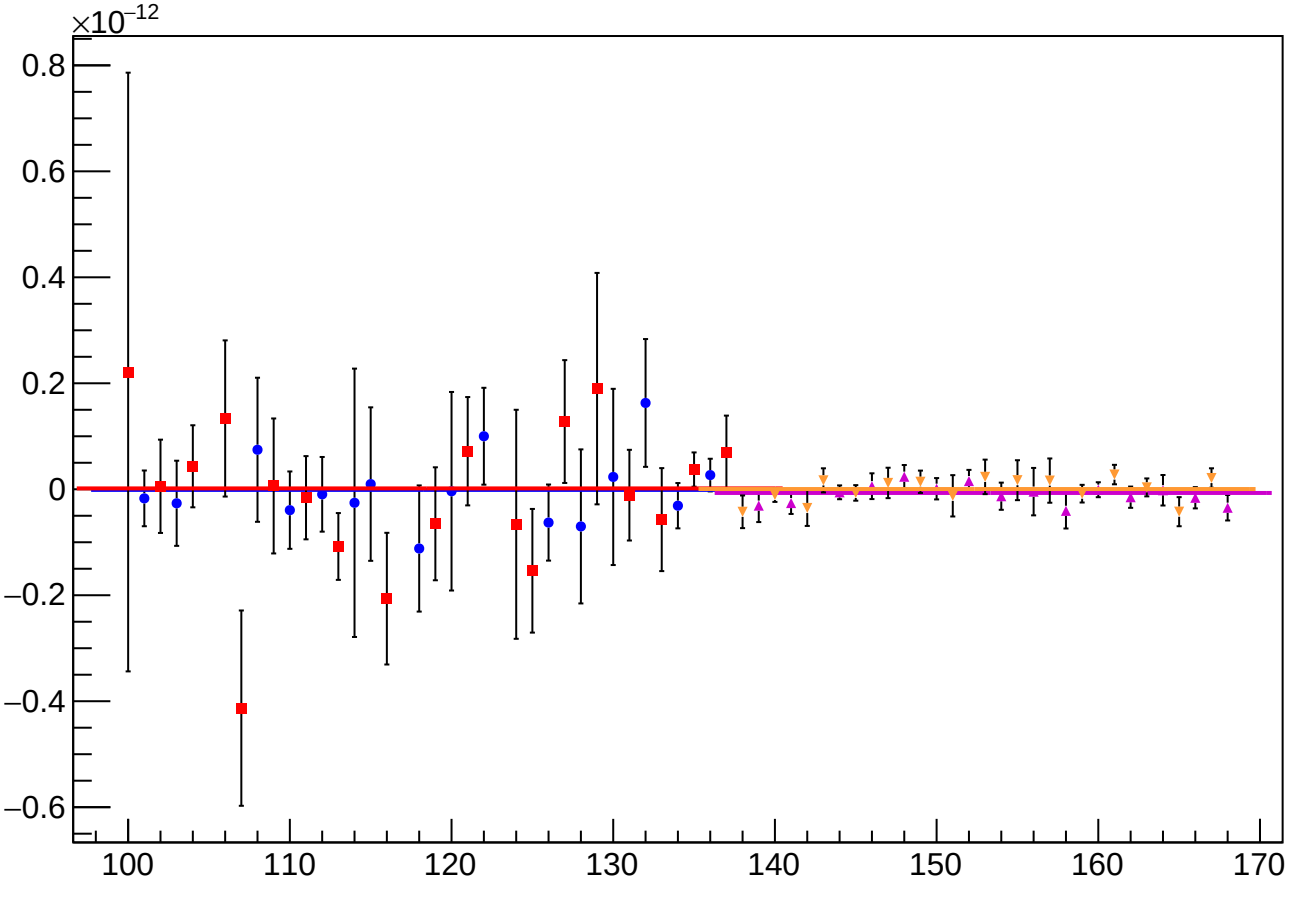
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 550.506+/-0.113 χ^2/NDF:753697.5/14

+ sign 622.546+/-0.103 χ^2/NDF: 3088798.9/31

All: 620.208+/-0.073 χ^2/NDF: 6391079.1/65

- sign 617.897+/-0.103 χ^2/NDF: 3301262.0/33



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.3/15

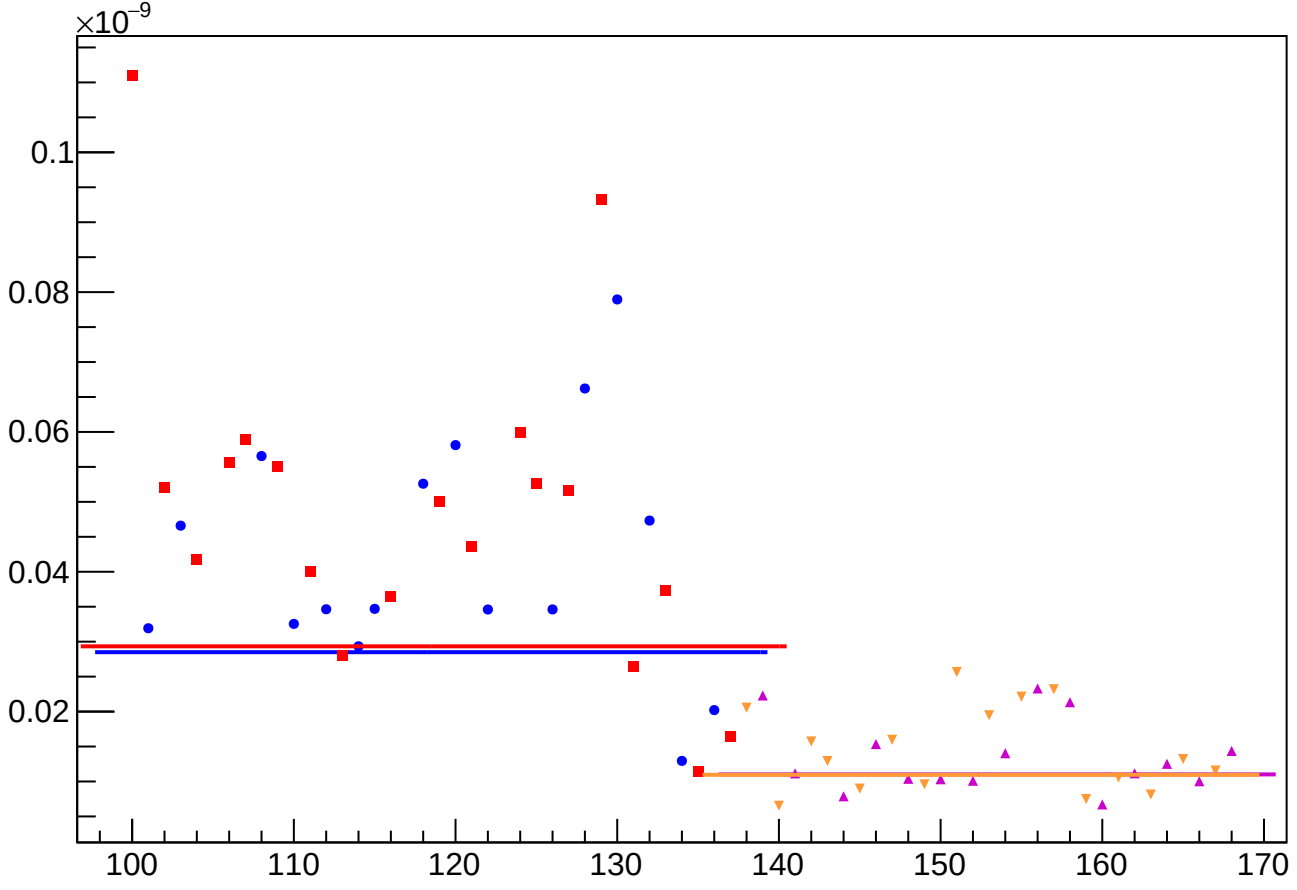
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/14

+ sign 0.000+/-0.000 χ^2/NDF: 19.4/31

All: -0.000+/-0.000 χ^2/NDF: 47.7/65

- sign -0.000+/-0.000 χ^2/NDF: 27.6/33



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1510247.4/15

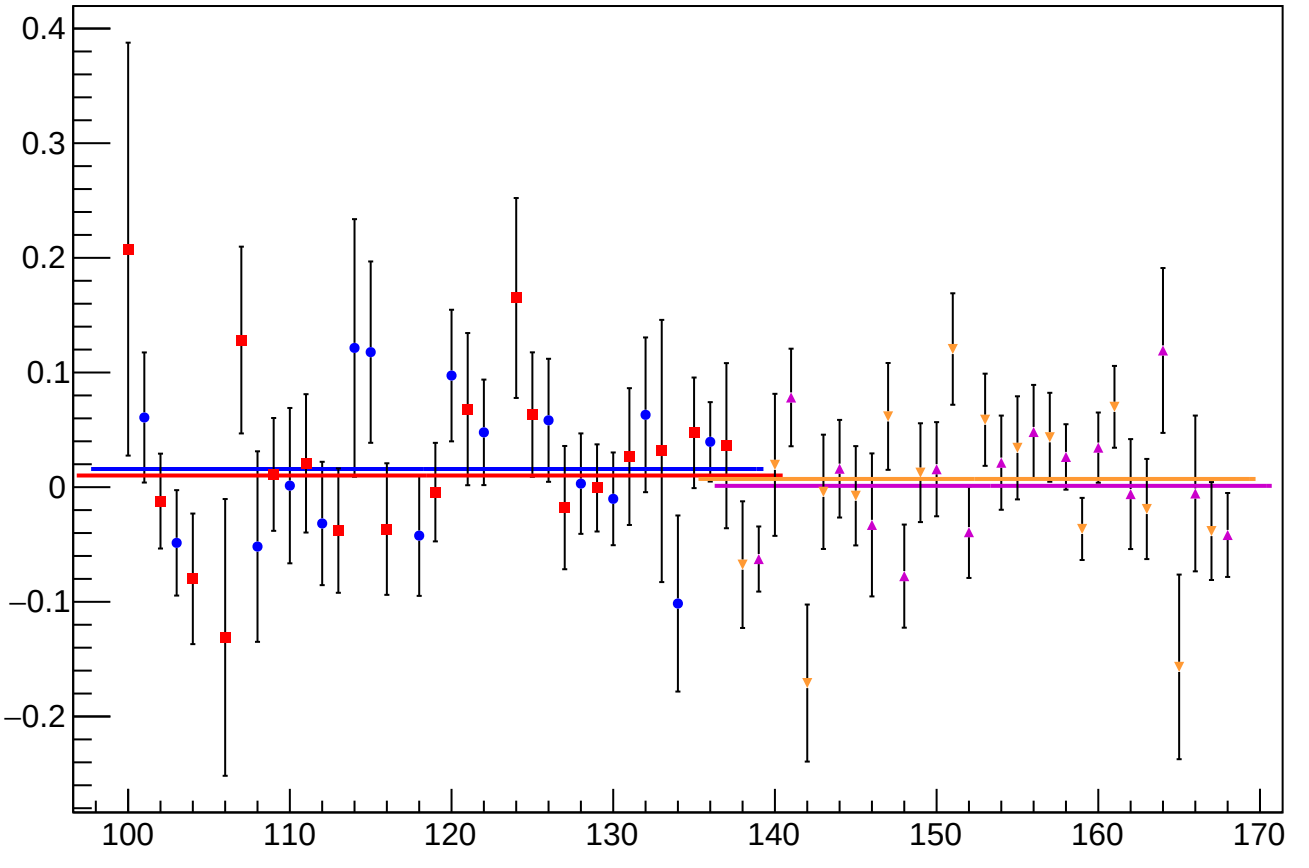
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

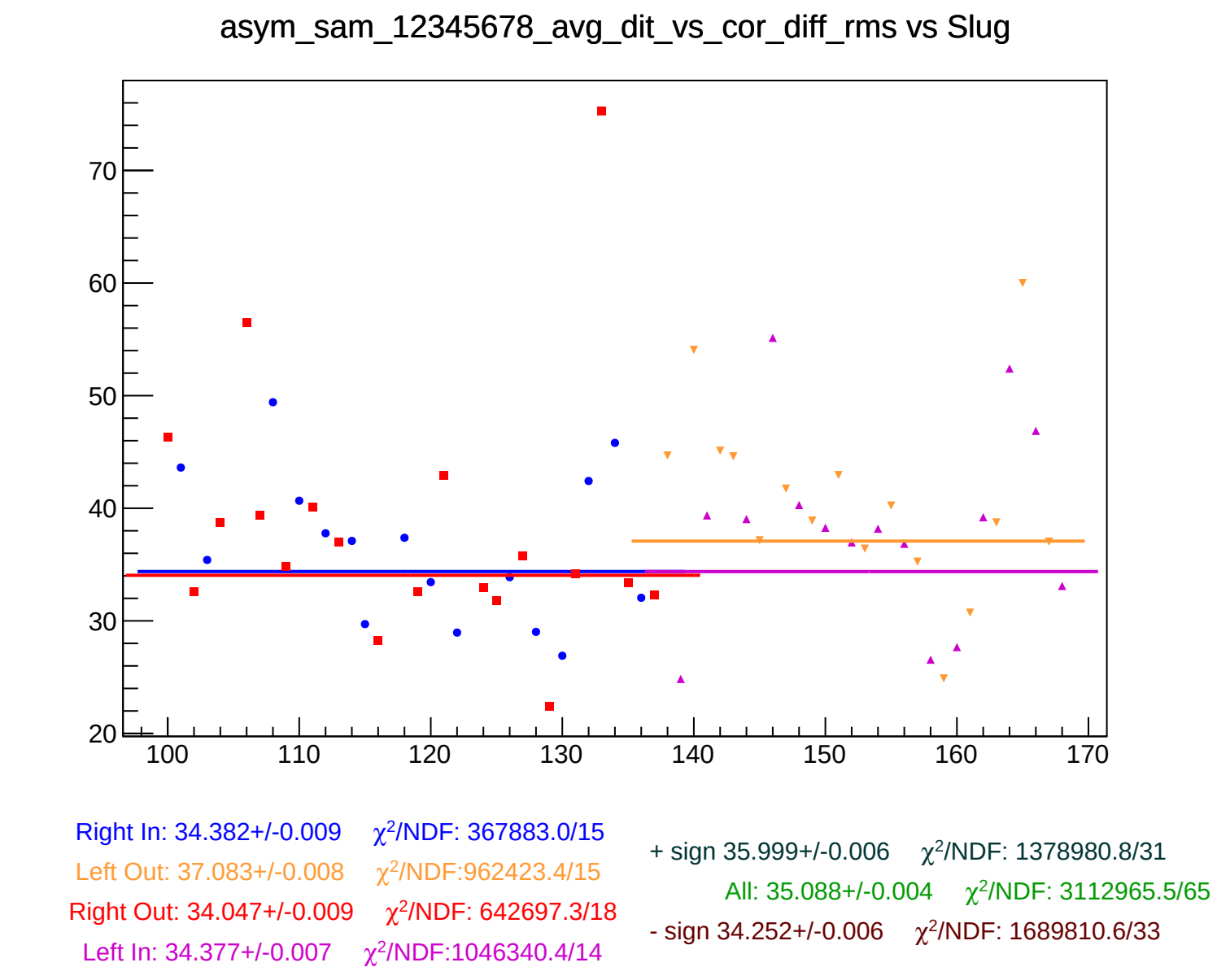
Left In: 0.000+/-0.000 χ^2/NDF:1056241.9/14

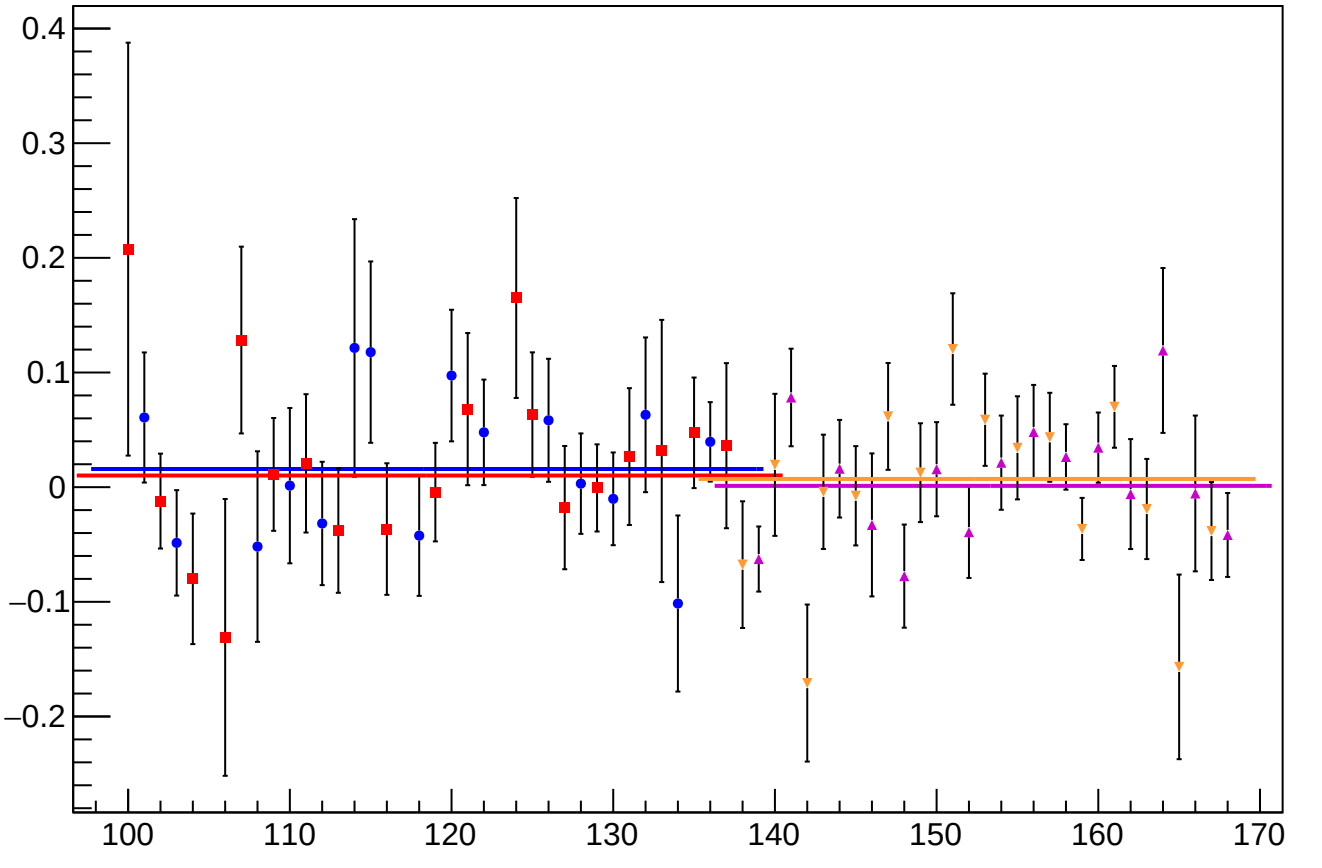
+ sign 0.000+/-0.000 χ^2/NDF: 4460136.8/31

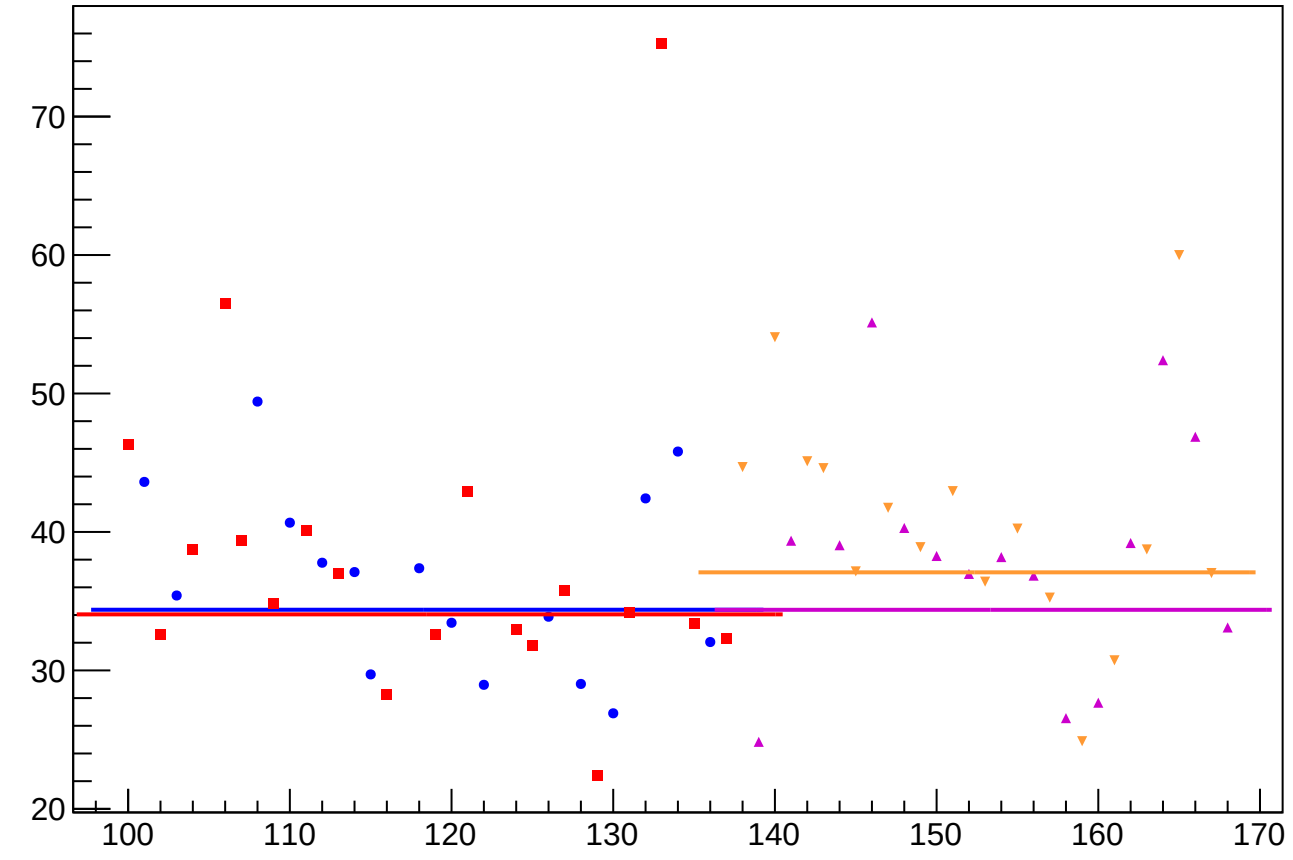
All: 0.000+/-0.000 χ^2/NDF: 8837732.9/65

- sign 0.000+/-0.000 χ^2/NDF: 4377520.6/33


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: 0.007+/-0.011 χ²/NDF:29.8/15
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: 0.001+/-0.010 χ²/NDF:20.6/14
+ sign 0.011+/-0.008 χ²/NDF: 44.9/31
All: 0.007+/-0.006 χ²/NDF: 81.1/65
- sign 0.005+/-0.008 χ²/NDF: 36.0/33


asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 34.382+/-0.009 χ²/NDF: 367883.0/15
Left Out: 37.083+/-0.008 χ²/NDF:962423.4/15
Right Out: 34.047+/-0.009 χ²/NDF: 642697.3/18
Left In: 34.377+/-0.007 χ²/NDF:1046340.4/14
+ sign 35.999+/-0.006 χ²/NDF: 1378980.8/31
All: 35.088+/-0.004 χ²/NDF: 3112965.5/65
- sign 34.252+/-0.006 χ²/NDF: 1689810.6/33


asym_sam_12345678_avg_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: 0.007+/-0.011 χ²/NDF:29.8/15
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: 0.001+/-0.010 χ²/NDF:20.6/14
+ sign 0.011+/-0.008 χ²/NDF: 44.9/31
All: 0.007+/-0.006 χ²/NDF: 81.1/65
- sign 0.005+/-0.008 χ²/NDF: 36.0/33



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.083+/-0.008 χ^2/NDF:962423.4/15

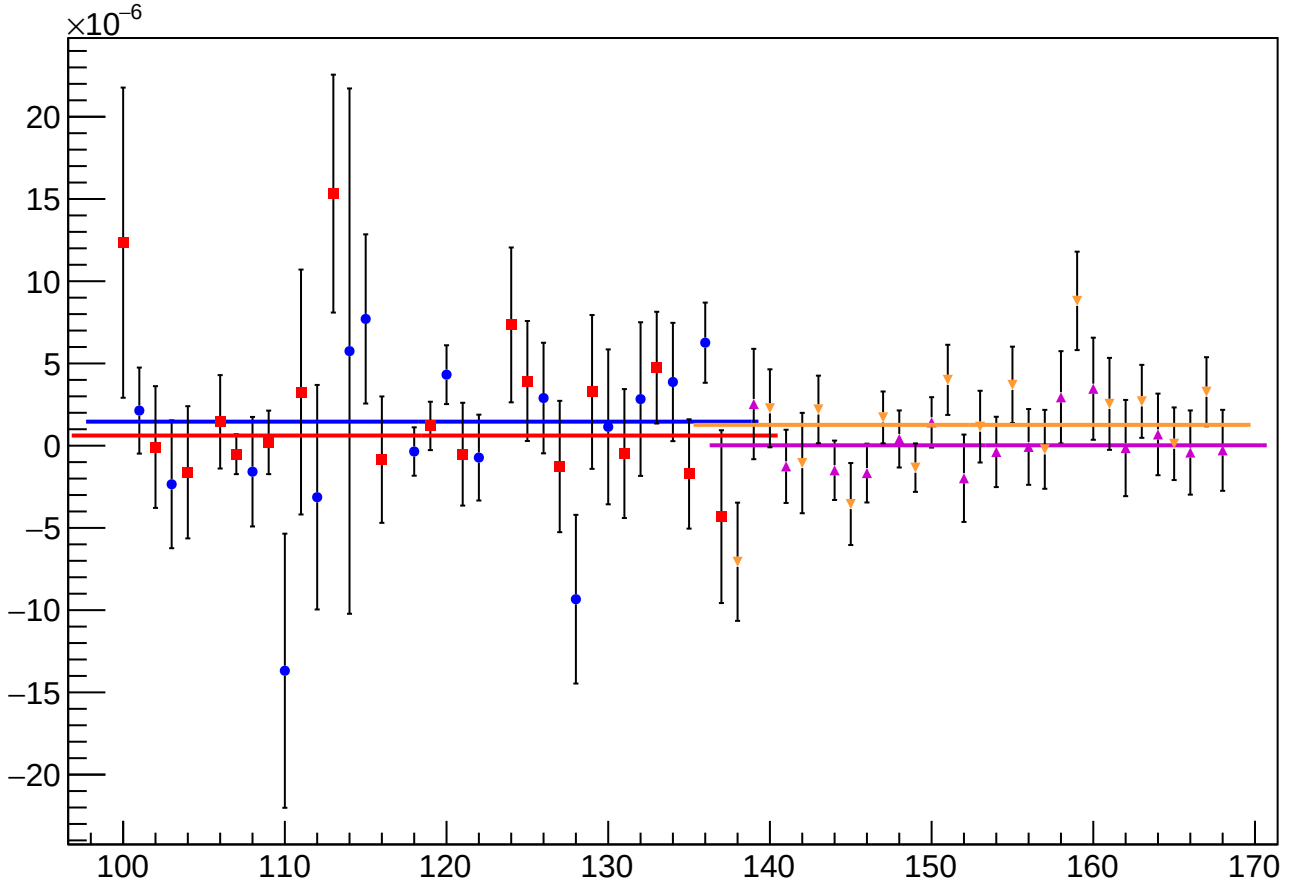
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.377+/-0.007 χ^2/NDF:1046340.4/14

+ sign 35.999+/-0.006 χ^2/NDF: 1378980.8/31

All: 35.088+/-0.004 χ^2/NDF: 3112965.5/65

- sign 34.252+/-0.006 χ^2/NDF: 1689810.6/33



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/15

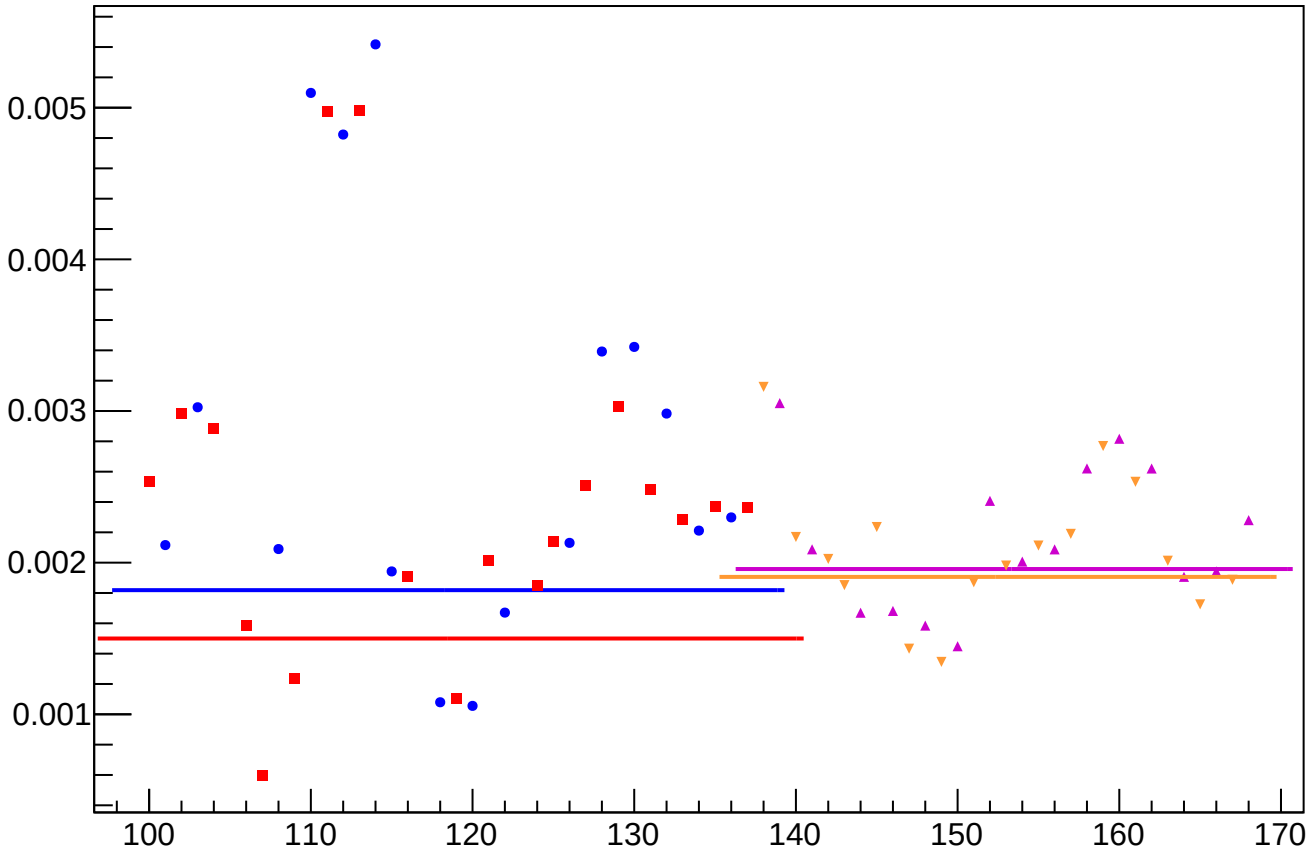
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/14

+ sign 0.000+/-0.000 χ^2/NDF: 45.6/31

All: 0.000+/-0.000 χ^2/NDF: 69.3/65

- sign 0.000+/-0.000 χ^2/NDF: 20.8/33



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1108931.1/15

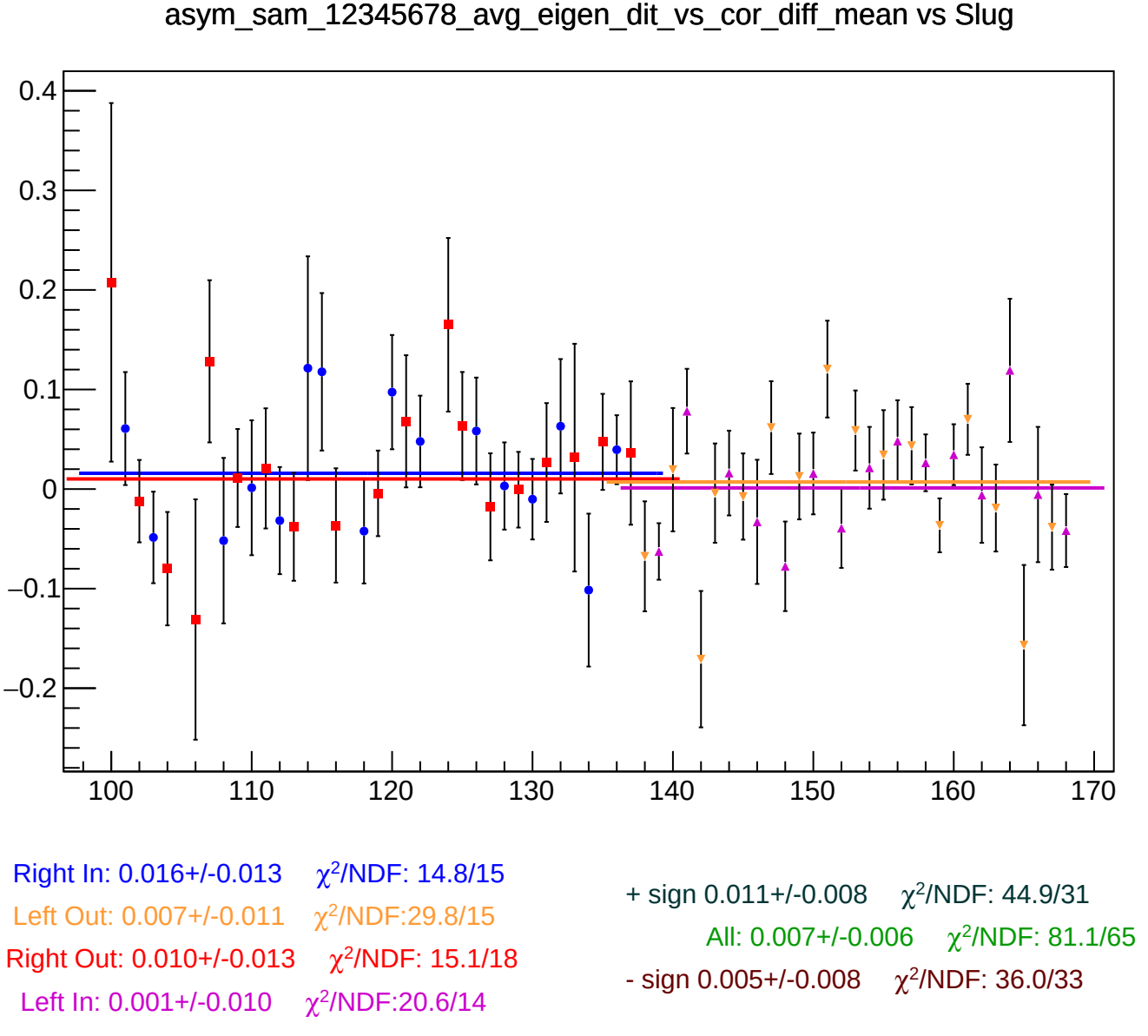
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

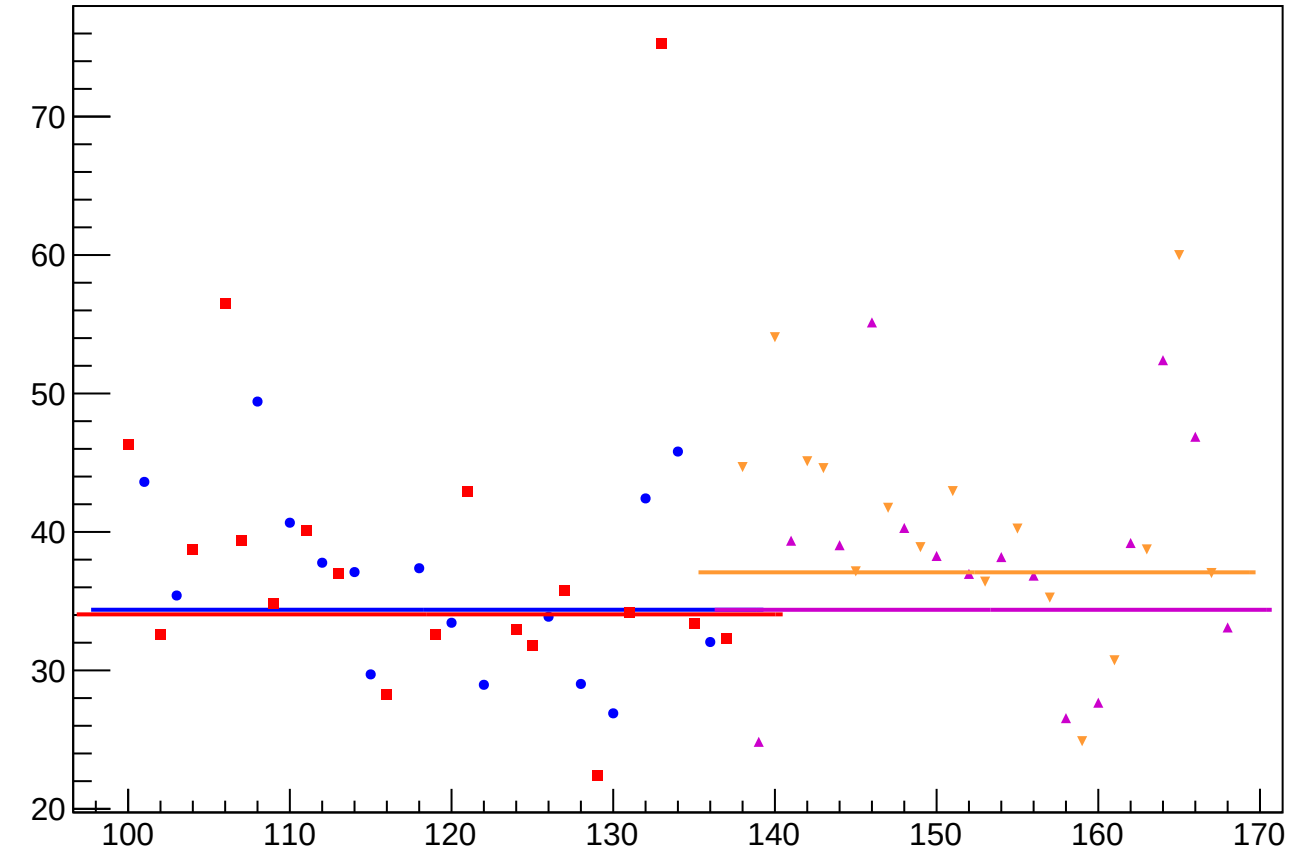
Left In: 0.002+/-0.000 χ^2/NDF:1099390.8/14

+ sign 0.002+/-0.000 χ^2/NDF: 3696723.1/31

All: 0.002+/-0.000 χ^2/NDF: 9122780.5/65

- sign 0.002+/-0.000 χ^2/NDF: 5351635.5/33


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: 0.007+/-0.011 χ²/NDF:29.8/15
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: 0.001+/-0.010 χ²/NDF:20.6/14
+ sign 0.011+/-0.008 χ²/NDF: 44.9/31
All: 0.007+/-0.006 χ²/NDF: 81.1/65
- sign 0.005+/-0.008 χ²/NDF: 36.0/33



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 37.083+/-0.008 χ^2/NDF:962488.0/15

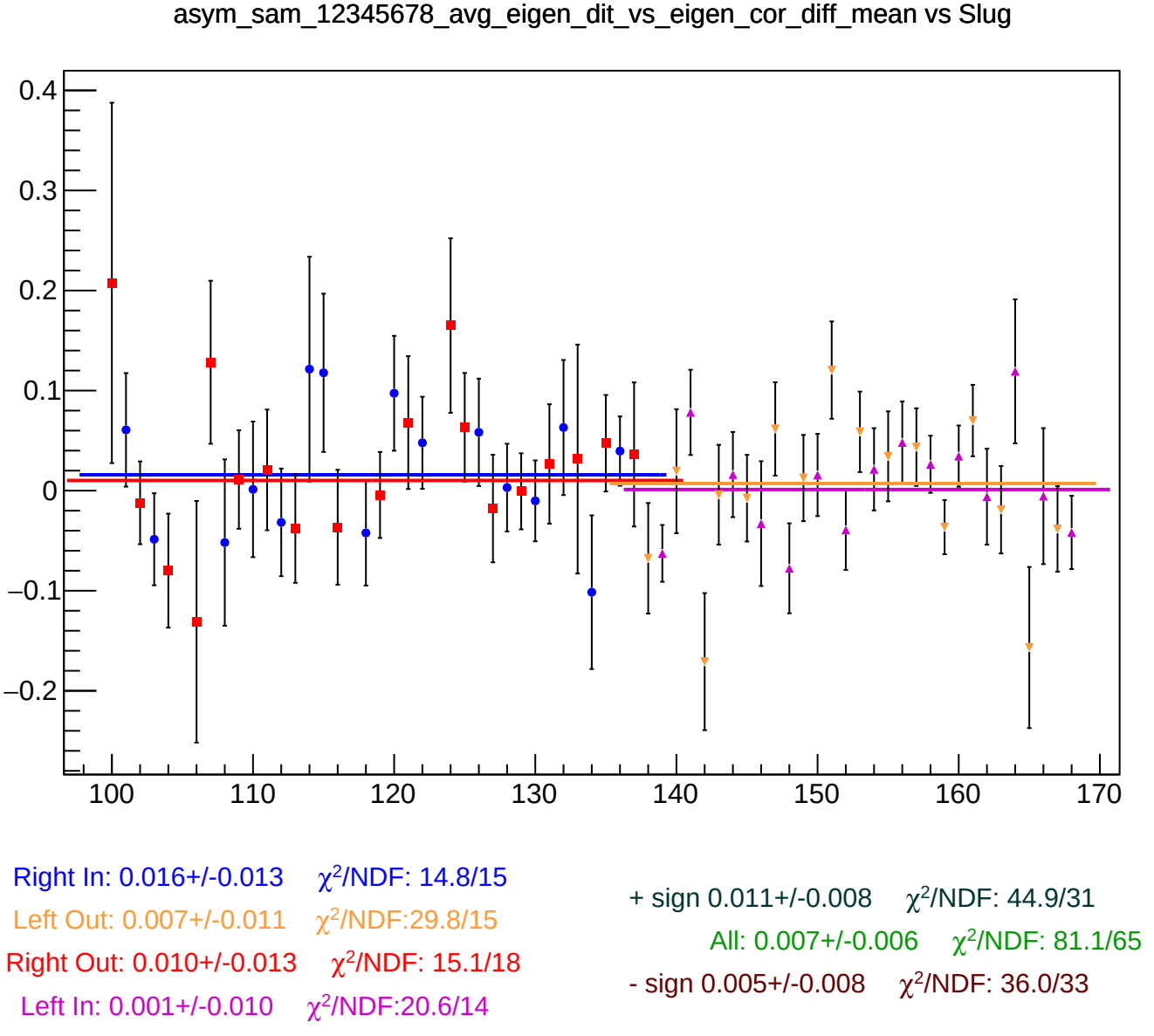
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

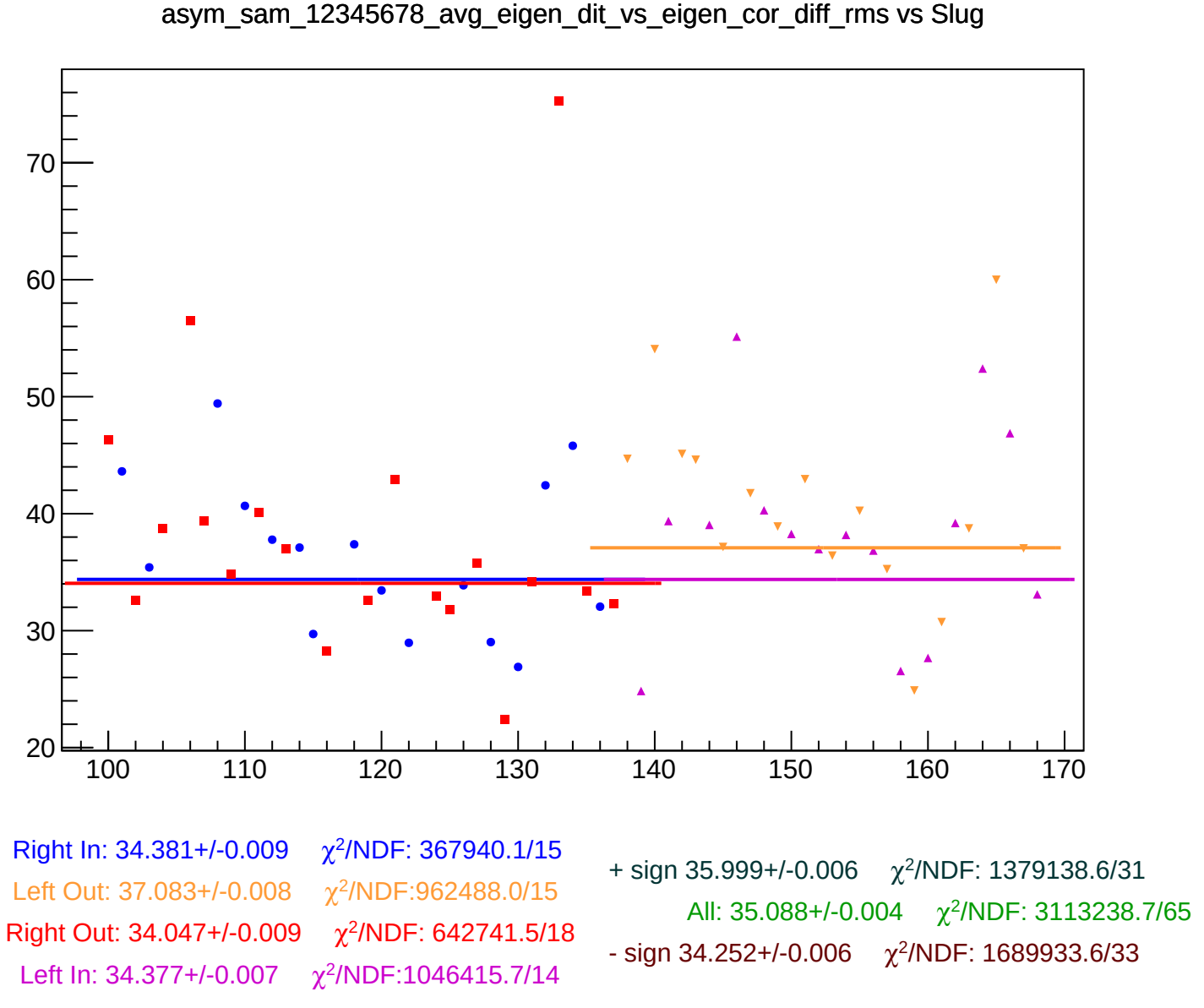
Left In: 34.377+/-0.007 χ^2/NDF:1046415.7/14

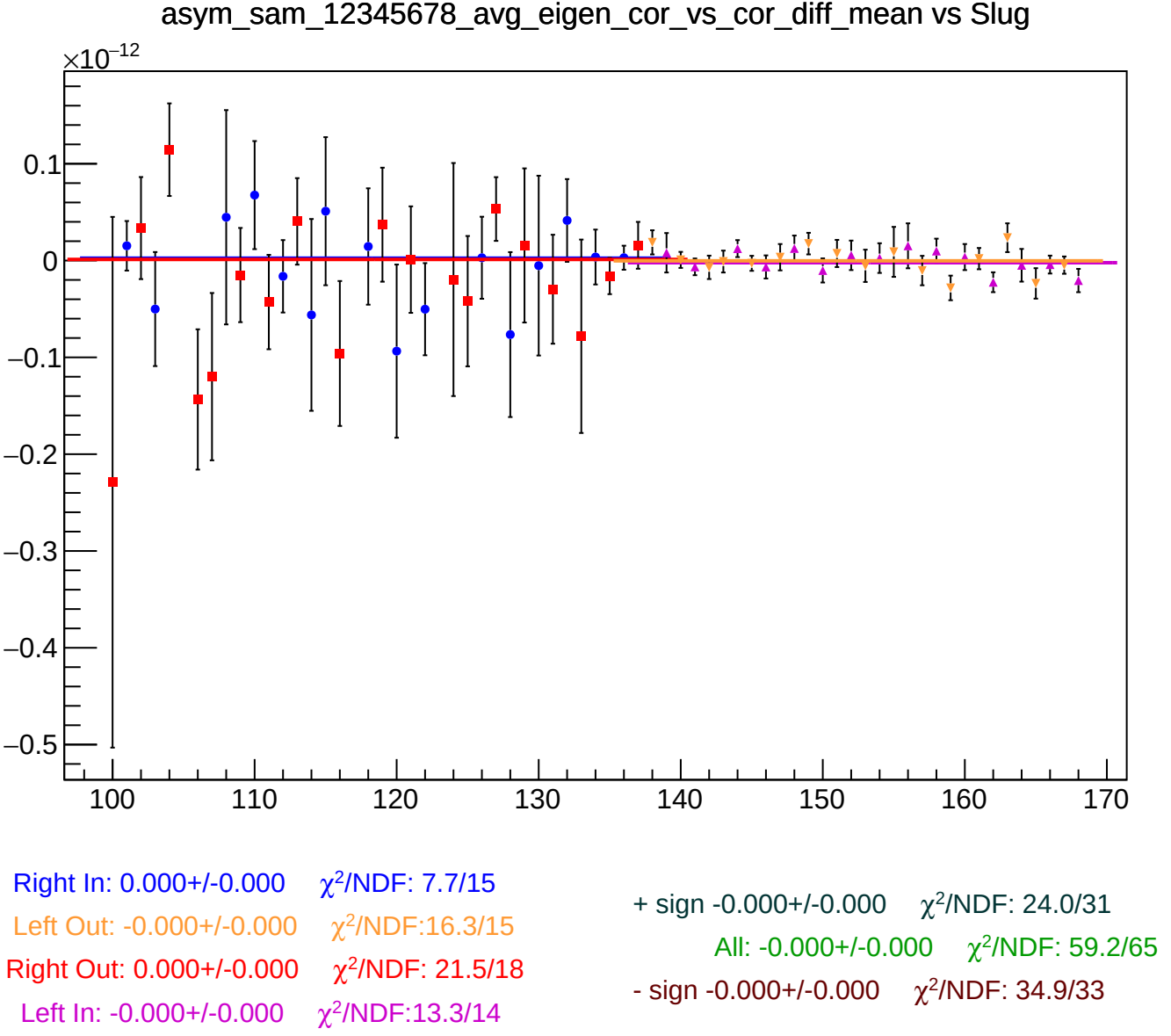
+ sign 35.999+/-0.006 χ^2/NDF: 1379138.6/31

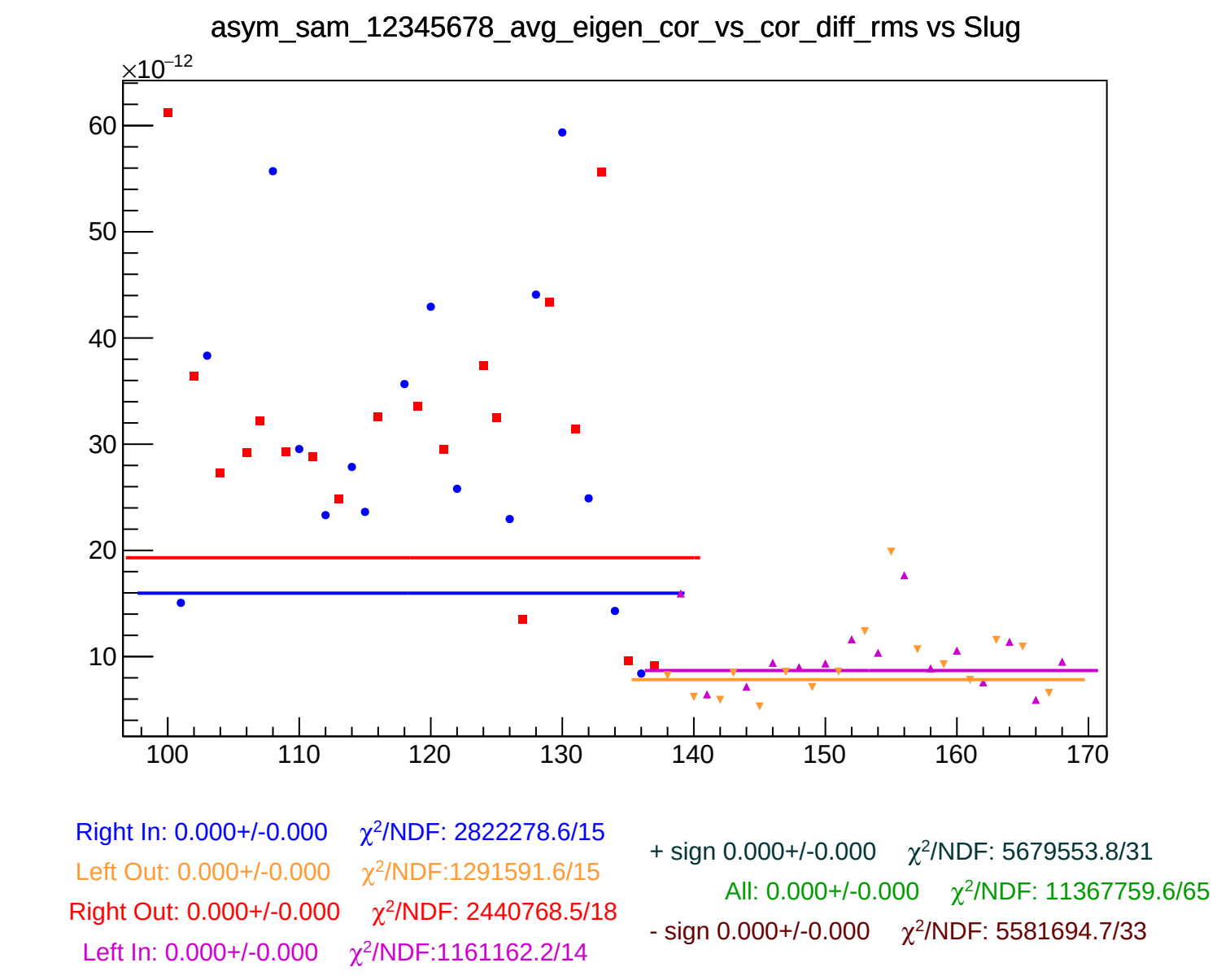
All: 35.088+/-0.004 χ^2/NDF: 3113238.7/65

- sign 34.252+/-0.006 χ^2/NDF: 1689933.6/33

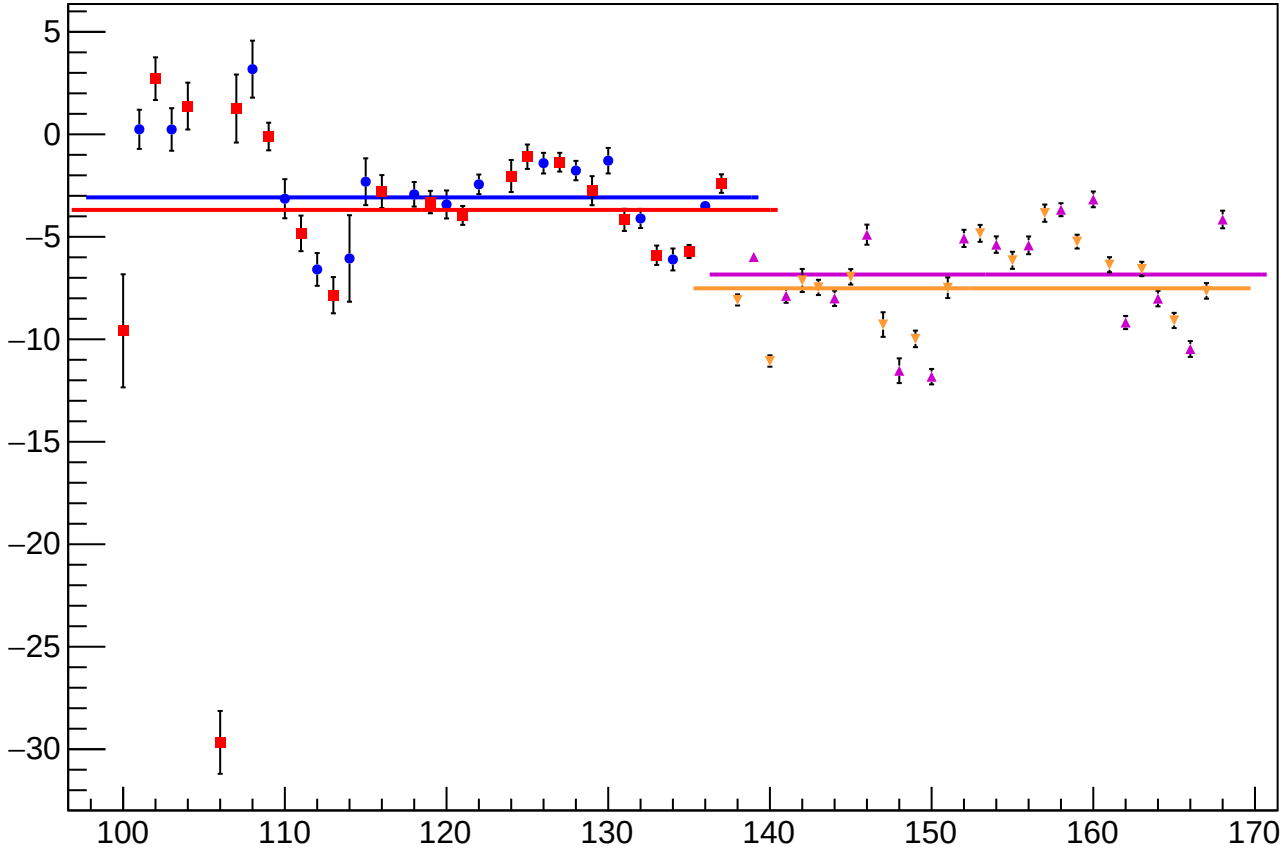

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.007+/-0.011 χ²/NDF:29.8/15
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: 0.001+/-0.010 χ²/NDF:20.6/14
+ sign 0.011+/-0.008 χ²/NDF: 44.9/31
All: 0.007+/-0.006 χ²/NDF: 81.1/65
- sign 0.005+/-0.008 χ²/NDF: 36.0/33


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 37.083+/-0.008 χ²/NDF:962488.0/15
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 34.377+/-0.007 χ²/NDF:1046415.7/14
+ sign 35.999+/-0.006 χ²/NDF: 1379138.6/31
All: 35.088+/-0.004 χ²/NDF: 3113238.7/65
- sign 34.252+/-0.006 χ²/NDF: 1689933.6/33


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 7.7/15
Left Out: -0.000+/-0.000 χ²/NDF:16.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 21.5/18
Left In: -0.000+/-0.000 χ²/NDF:13.3/14
+ sign -0.000+/-0.000 χ²/NDF: 24.0/31
All: -0.000+/-0.000 χ²/NDF: 59.2/65
- sign -0.000+/-0.000 χ²/NDF: 34.9/33


asym_sam_12345678_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: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1291591.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:1161162.2/14
+ sign 0.000+/-0.000 χ²/NDF: 5679553.8/31
All: 0.000+/-0.000 χ²/NDF: 11367759.6/65
- sign 0.000+/-0.000 χ²/NDF: 5581694.7/33

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.512+/-0.094 χ^2/NDF:425.7/15

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

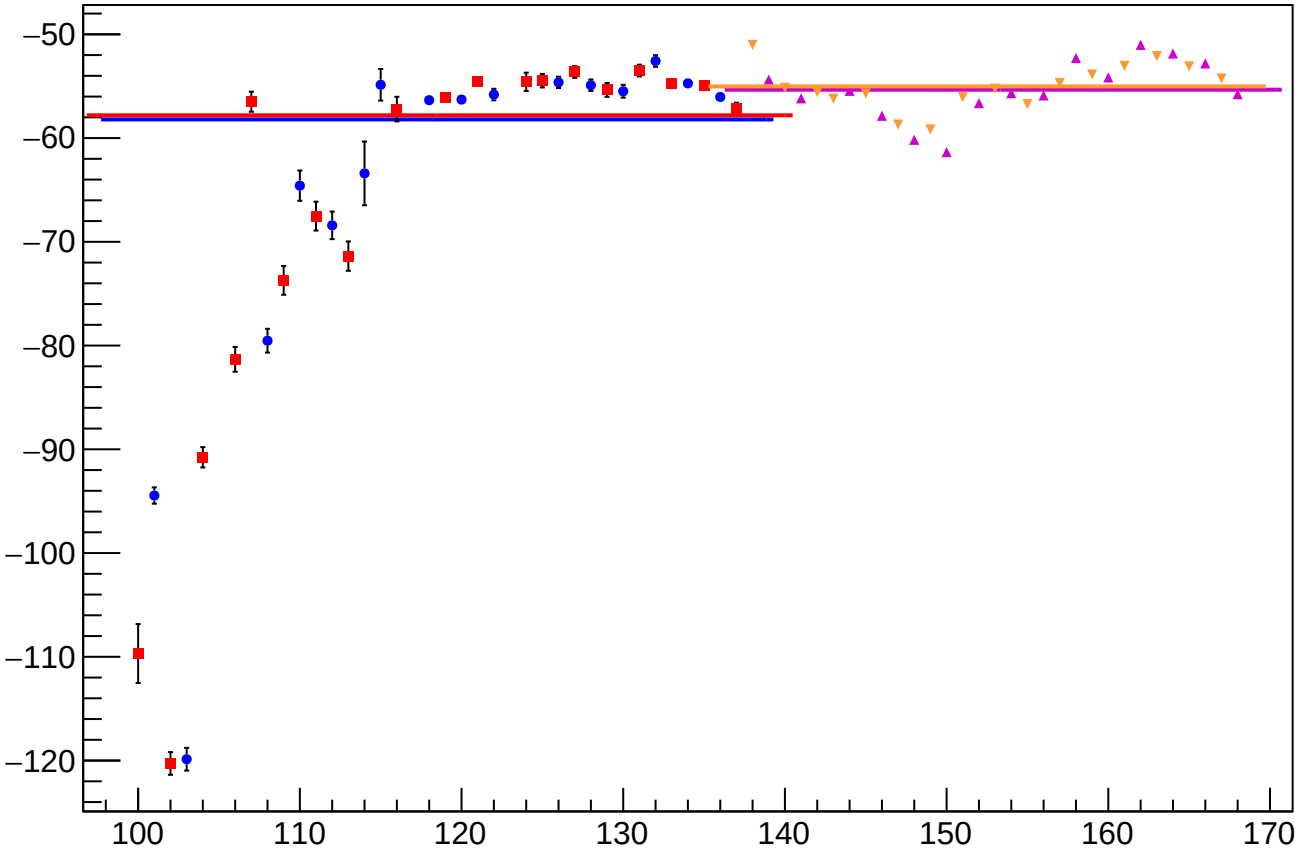
Left In: -6.840+/-0.095 χ^2/NDF:705.7/14

+ sign -6.061+/-0.077 χ^2/NDF: 1283.4/31

All: -5.954+/-0.055 χ^2/NDF: 2873.5/65

- sign -5.842+/-0.079 χ^2/NDF: 1586.2/33

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -55.016+/-0.070 χ^2/NDF:933.1/15

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

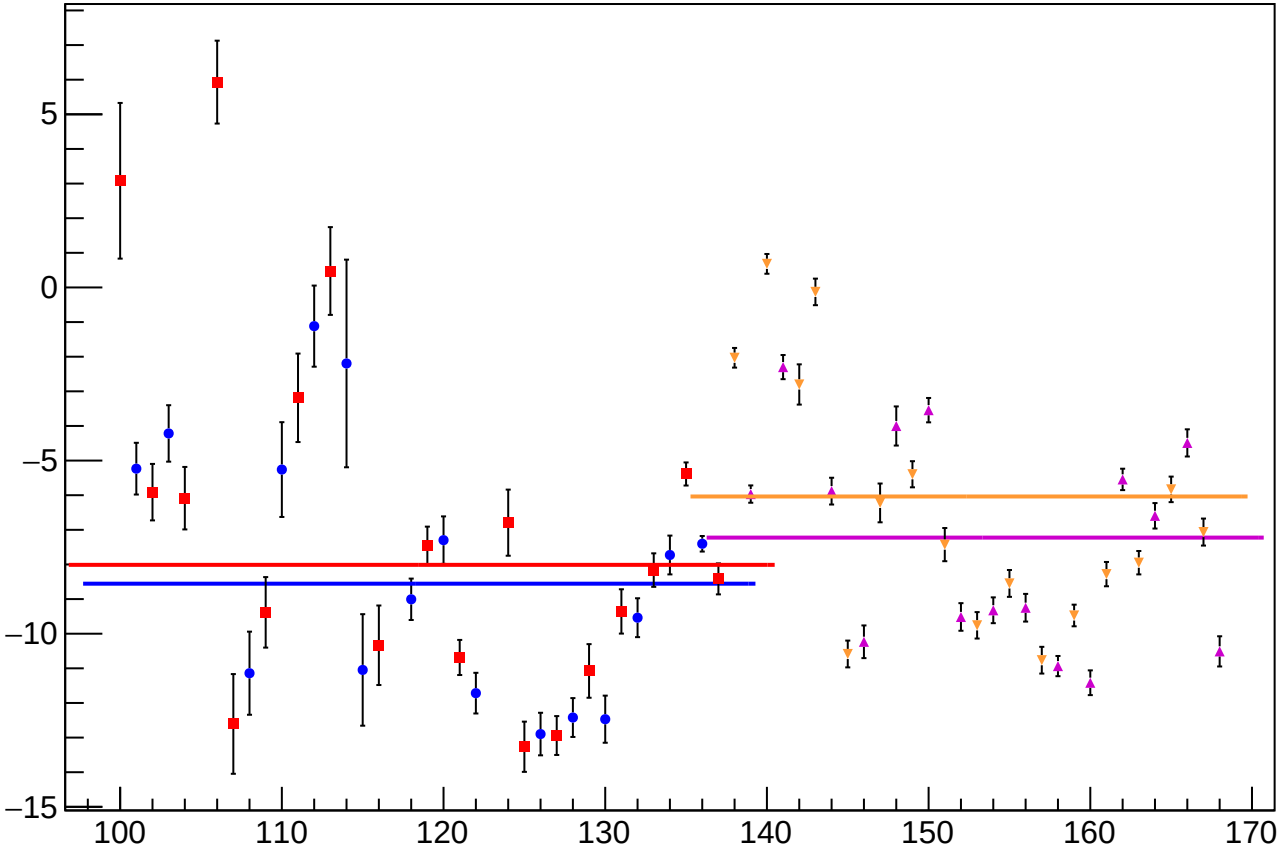
Left In: -55.337+/-0.072 χ^2/NDF:1656.6/14

+ sign -55.680+/-0.062 χ^2/NDF: 7497.9/31

All: -55.770+/-0.045 χ^2/NDF: 15200.7/65

- sign -55.867+/-0.064 χ^2/NDF: 7698.4/33

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -6.037+/-0.092 χ^2/NDF:1658.4/15

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

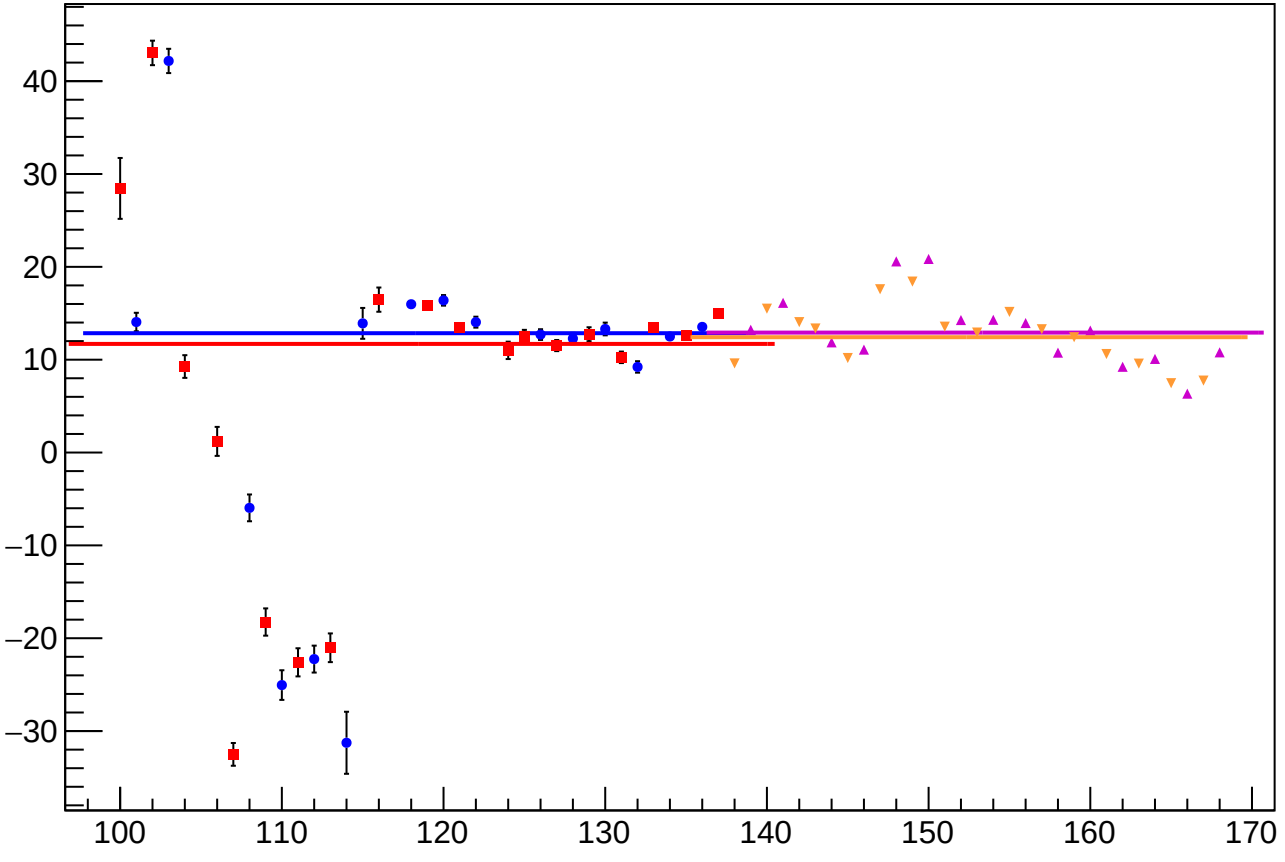
Left In: -7.225+/-0.093 χ^2/NDF:946.5/14

+ sign -6.767+/-0.078 χ^2/NDF: 2174.1/31

All: -7.095+/-0.056 χ^2/NDF: 3665.6/65

- sign -7.437+/-0.079 χ^2/NDF: 1455.2/33

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 12.422+/-0.079 χ^2/NDF:1489.9/15

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

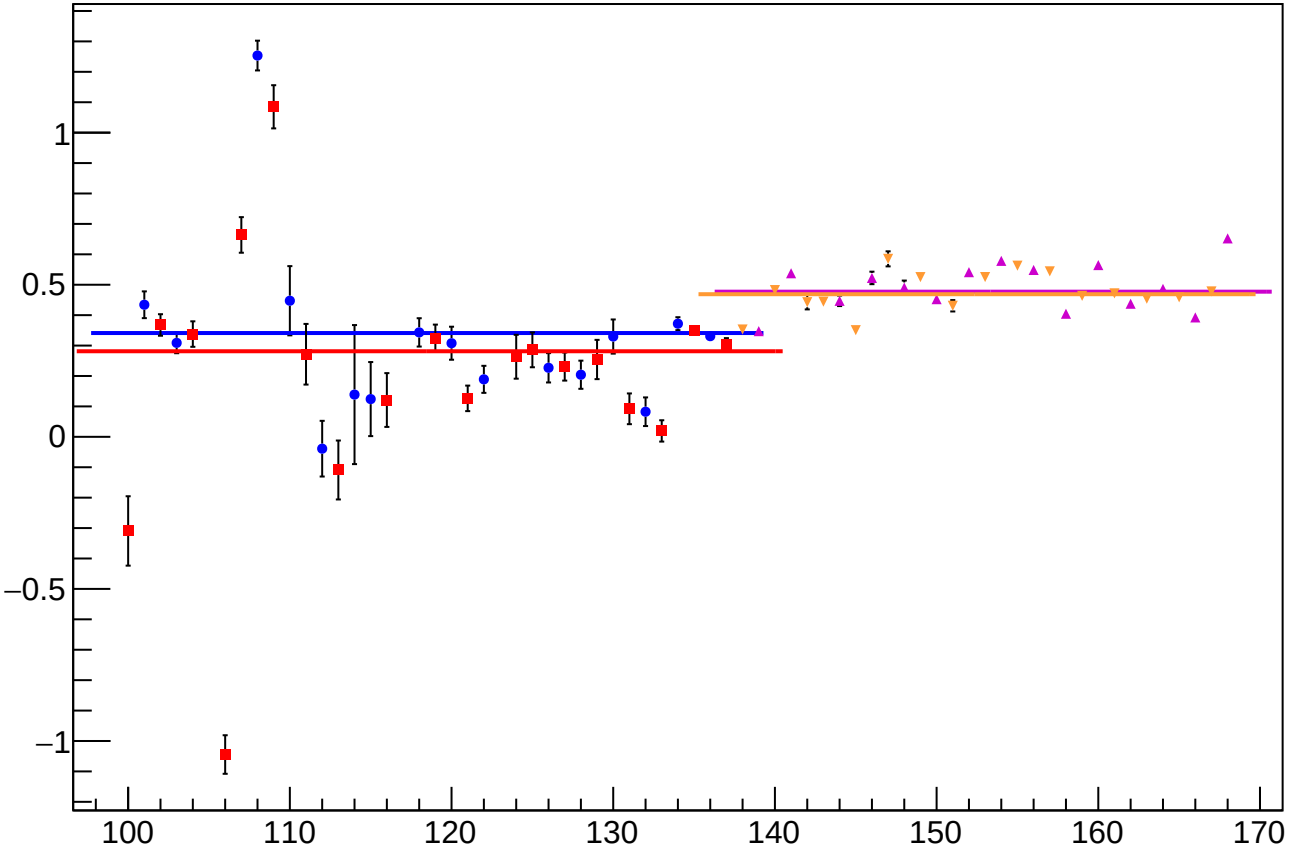
Left In: 12.918+/-0.081 χ^2/NDF:2044.7/14

\+ sign 12.515+/-0.070 χ^2/NDF: 3624.7/31

All: 12.583+/-0.050 χ^2/NDF: 9218.6/65

\- sign 12.656+/-0.072 χ^2/NDF: 5591.9/33

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.469+/-0.003 χ^2/NDF:324.3/15

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

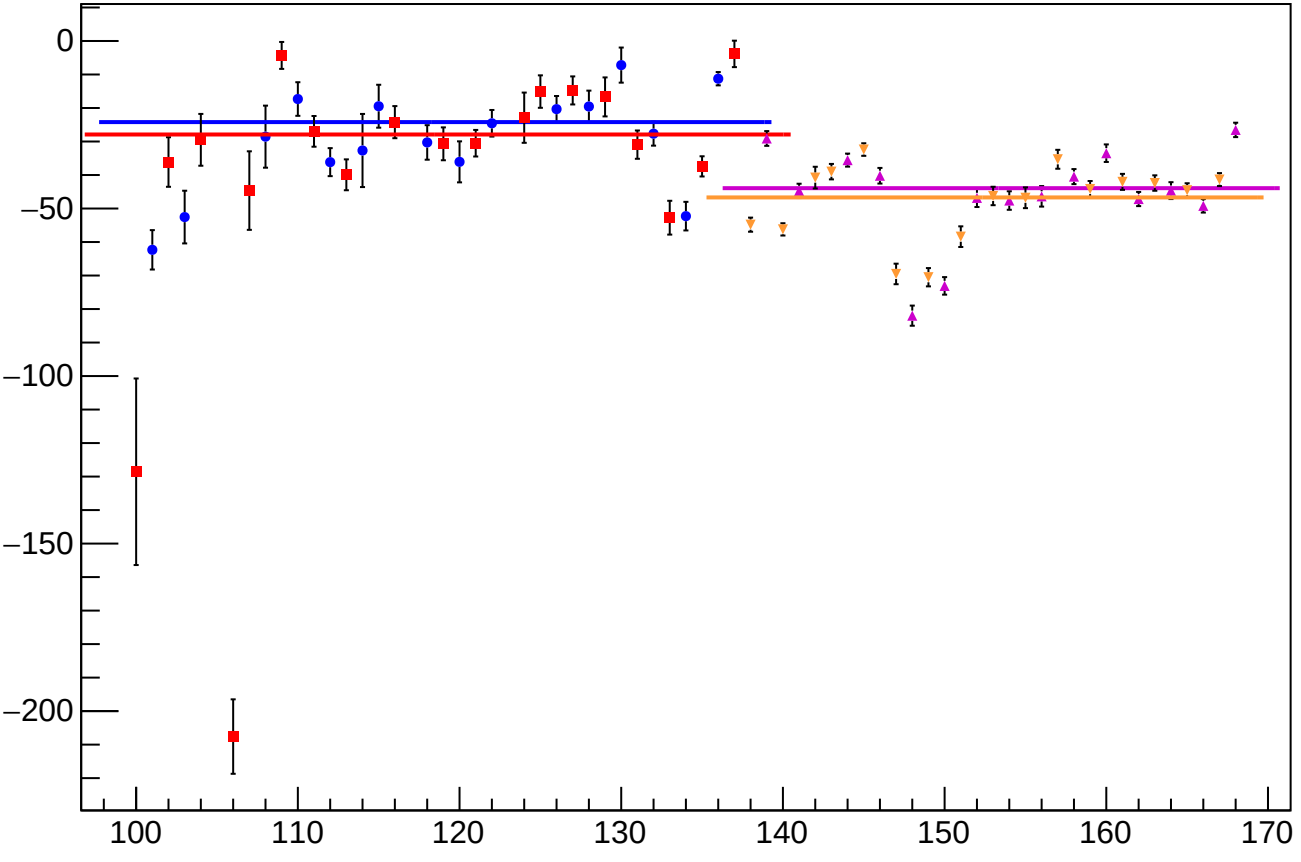
Left In: 0.477+/-0.003 χ^2/NDF:634.4/14

\+ sign 0.448+/-0.003 χ^2/NDF: 979.2/31

All: 0.449+/-0.002 χ^2/NDF: 2850.3/65

\- sign 0.449+/-0.003 χ^2/NDF: 1871.0/33

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -46.690+/-0.594 χ^2/NDF:293.7/15

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

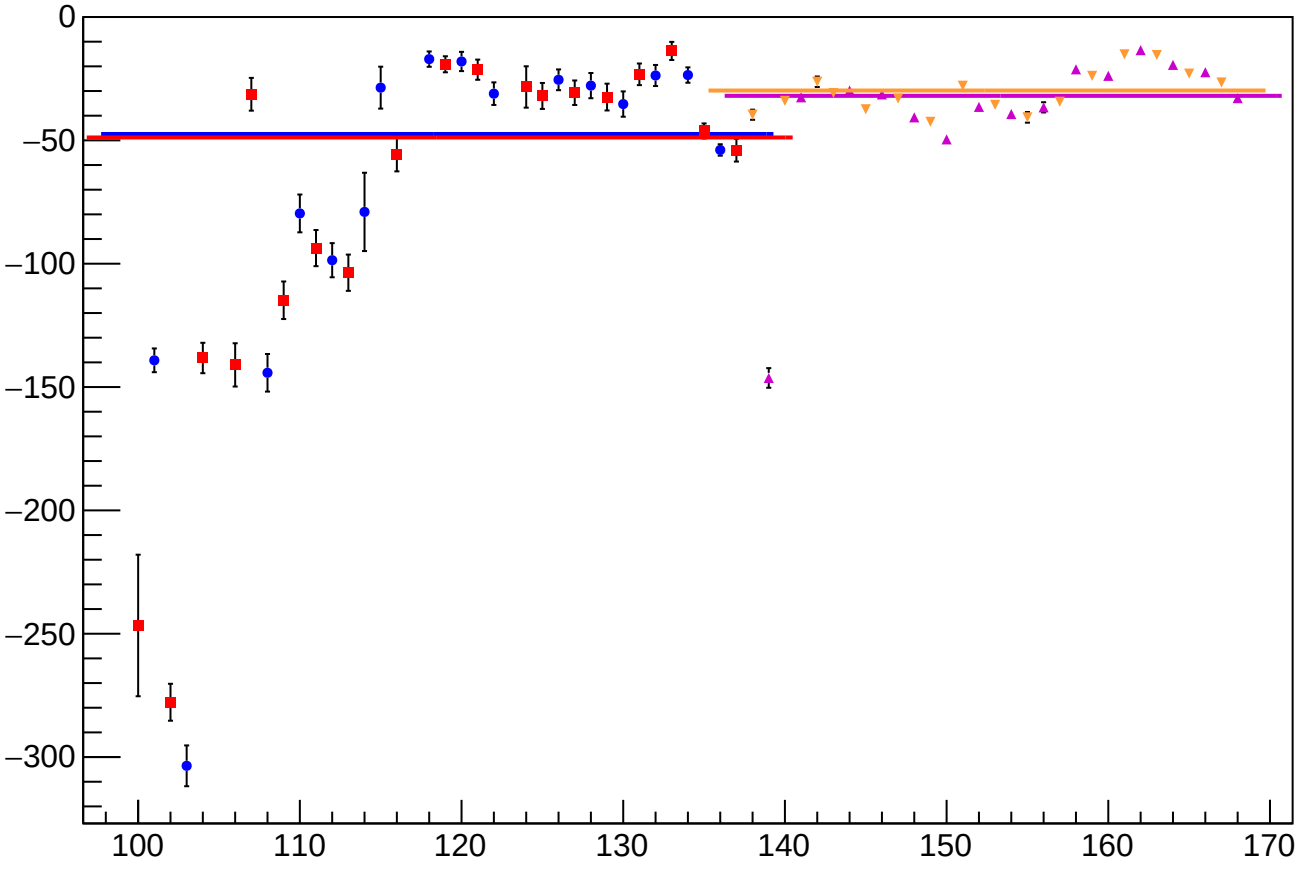
Left In: -43.925+/-0.610 χ^2/NDF:447.3/14

+ sign -41.515+/-0.521 χ^2/NDF: 794.2/31

All: -40.949+/-0.374 χ^2/NDF: 1811.6/65

- sign -40.348+/-0.537 χ^2/NDF: 1014.9/33

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -29.799+/-0.424 χ^2/NDF:355.4/15

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

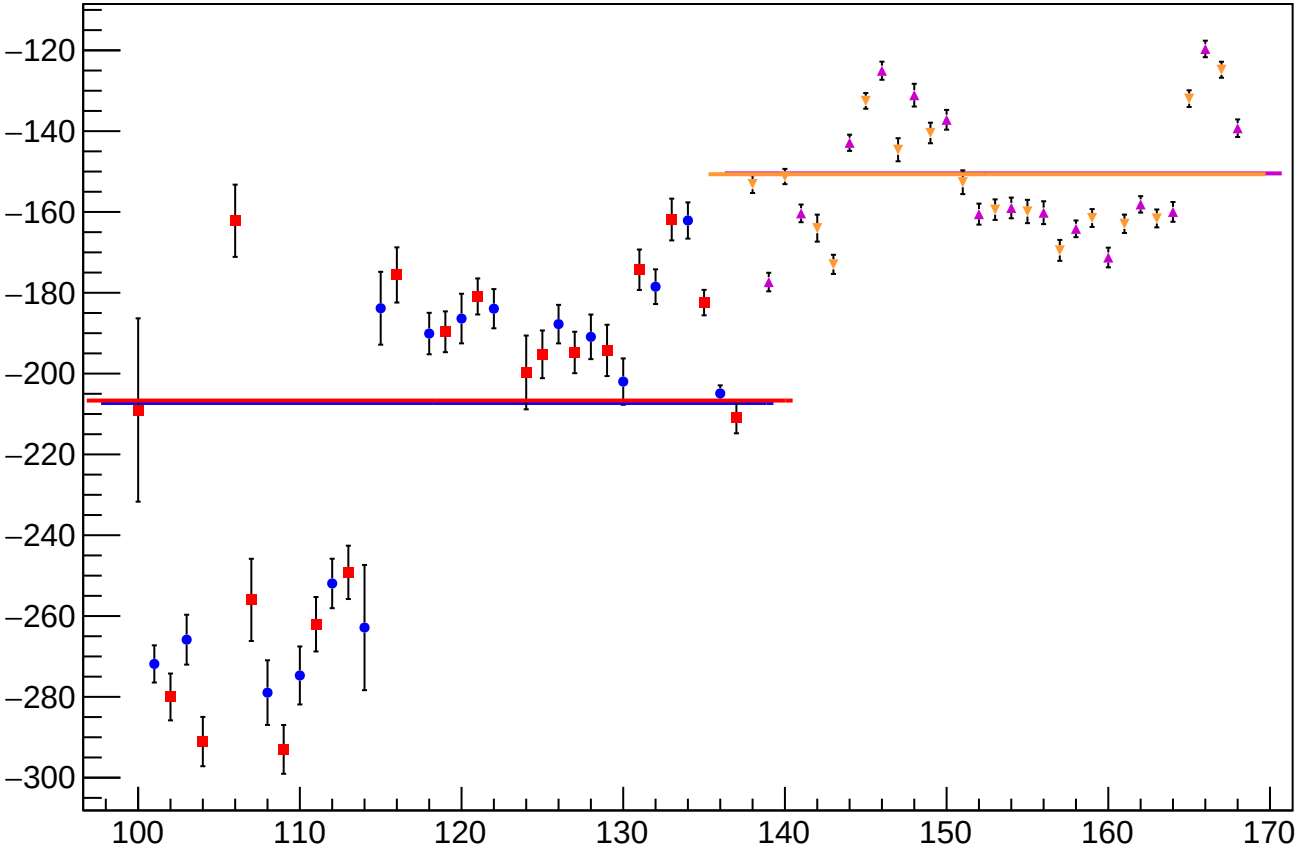
Left In: -31.954+/-0.438 χ^2/NDF:1267.4/14

+ sign -32.076+/-0.396 χ^2/NDF: 2452.0/31

All: -32.997+/-0.285 χ^2/NDF: 5684.5/65

- sign -33.987+/-0.410 χ^2/NDF: 3221.2/33

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -150.662+/-0.585 χ^2/NDF:618.9/15

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

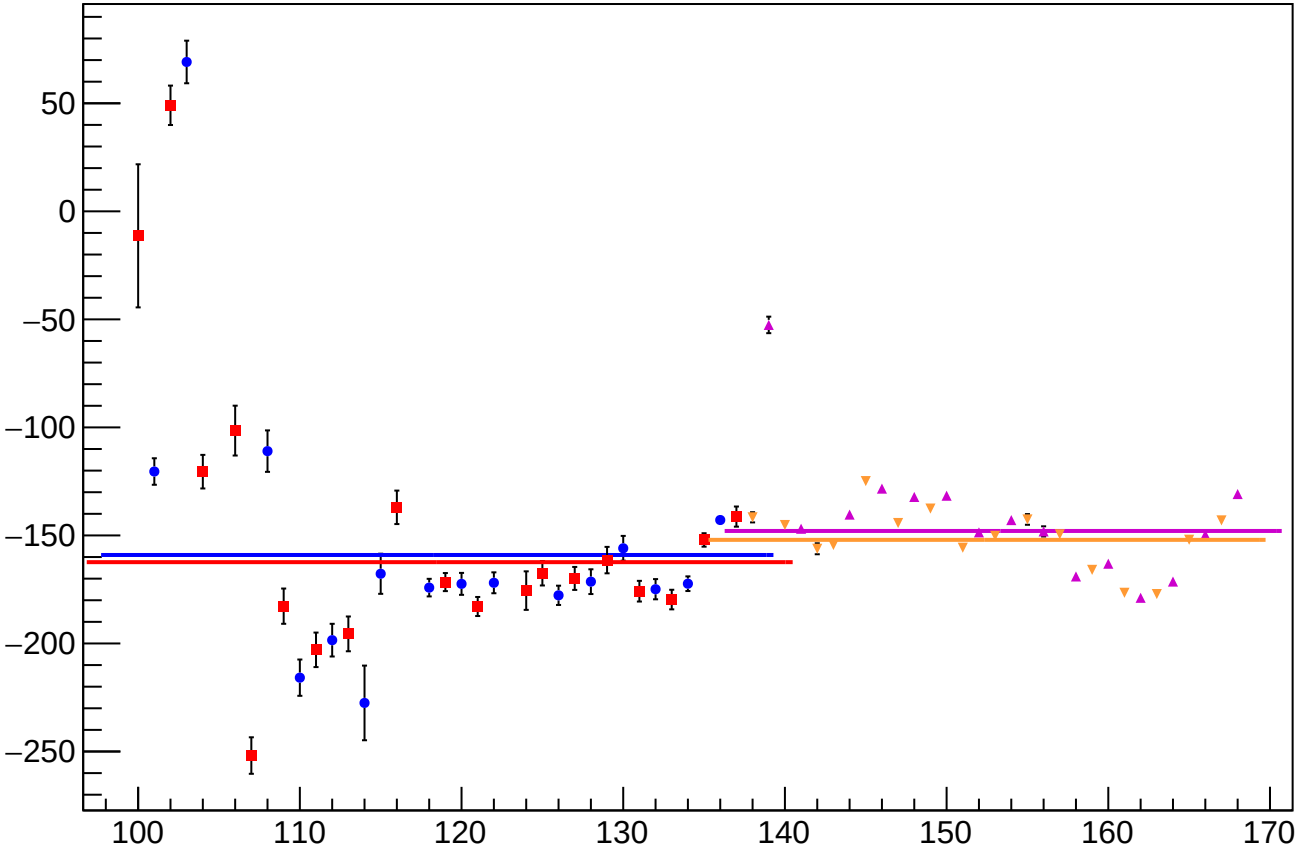
Left In: -150.456+/-0.595 χ^2/NDF:814.4/14

+ sign -161.841+/-0.524 χ^2/NDF: 3219.3/31

All: -161.166+/-0.376 χ^2/NDF: 6593.9/65

- sign -160.451+/-0.539 χ^2/NDF: 3371.2/33

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -152.049+/-0.487 χ^2/NDF:875.5/15

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

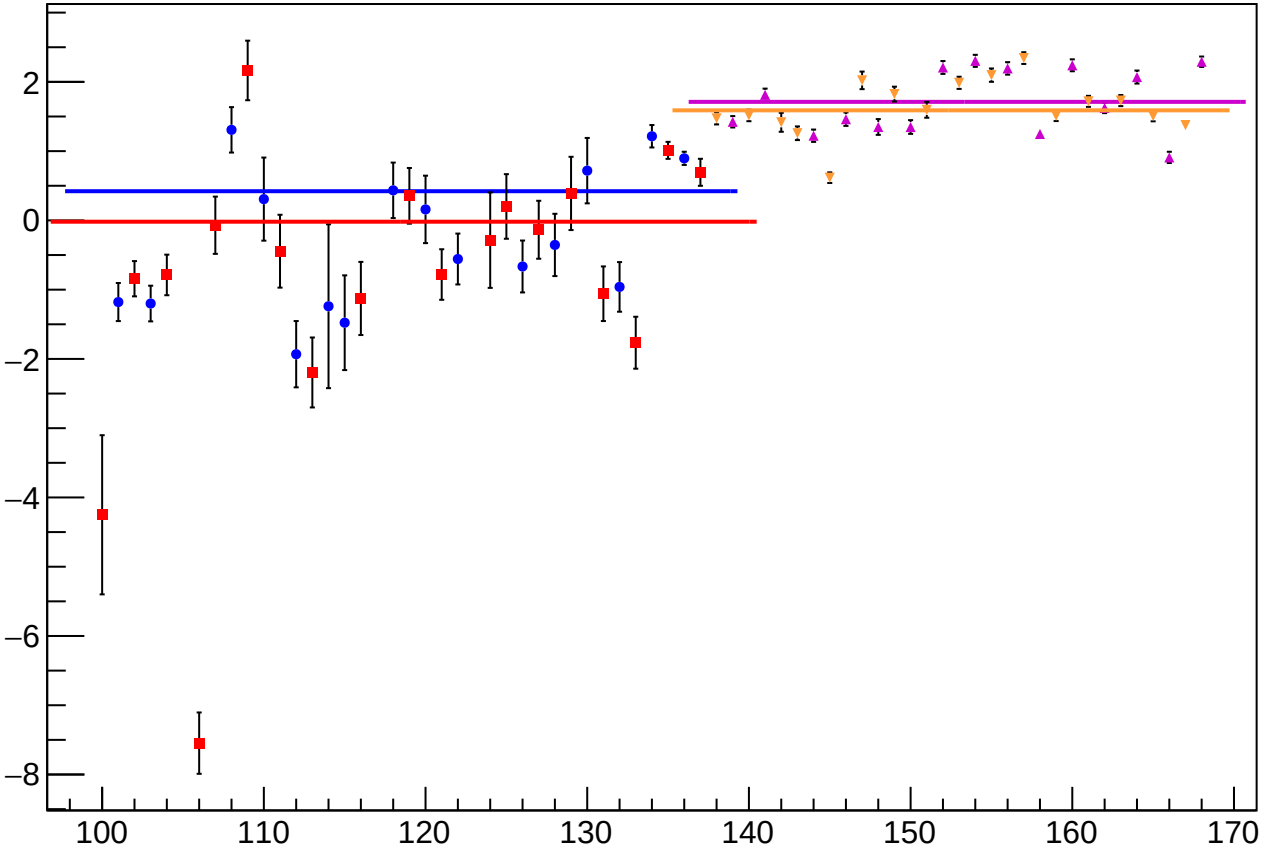
Left In: -147.932+/-0.501 χ^2/NDF:1682.6/14

+ sign -153.002+/-0.452 χ^2/NDF: 1719.4/31

All: -151.431+/-0.326 χ^2/NDF: 4403.7/65

- sign -149.743+/-0.469 χ^2/NDF: 2659.2/33

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.589+/-0.022 χ^2/NDF:336.5/15

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

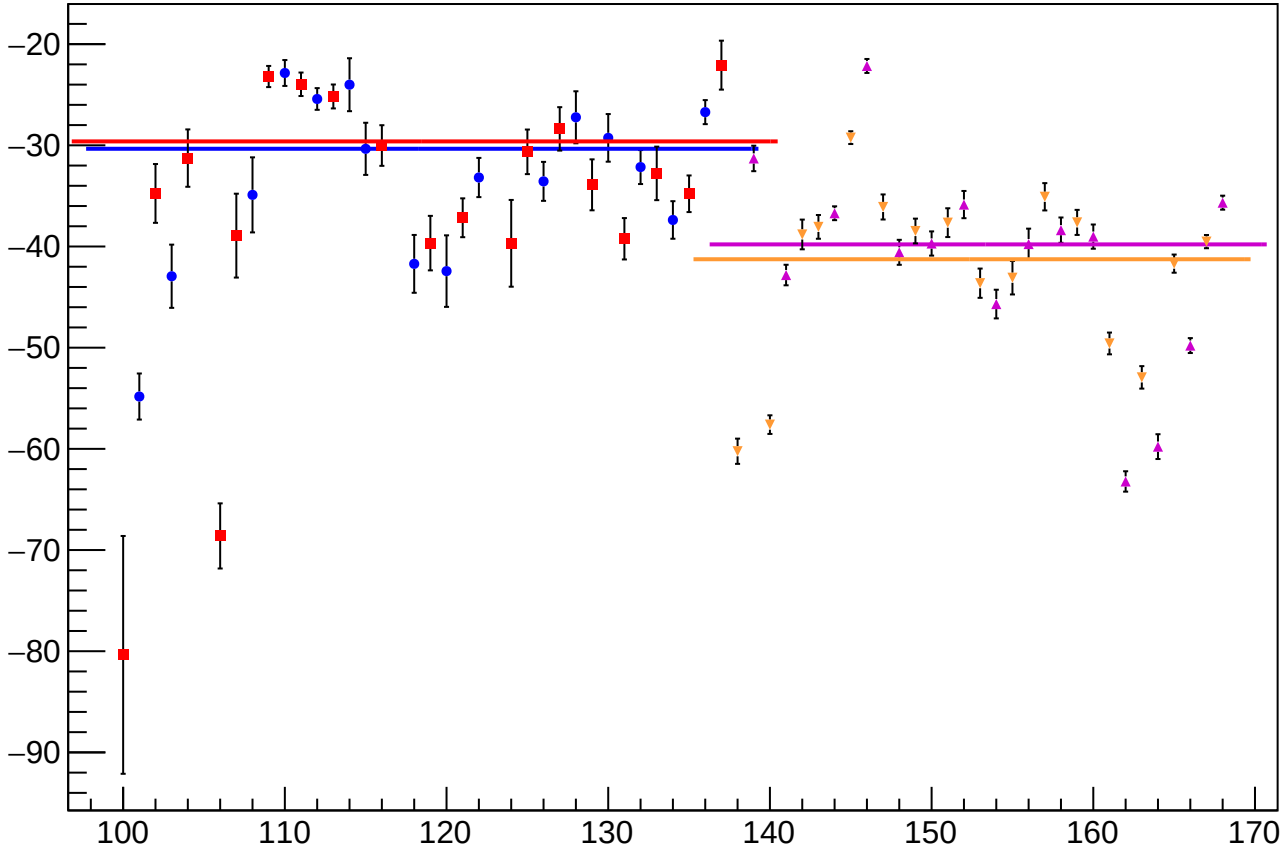
Left In: 1.711+/-0.022 χ^2/NDF:429.4/14

\+ sign 1.467+/-0.021 χ^2/NDF: 824.8/31

All: 1.513+/-0.015 χ^2/NDF: 2274.7/65

\- sign 1.561+/-0.021 χ^2/NDF: 1440.2/33

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -41.260+/-0.261 χ^2/NDF:1158.7/15

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

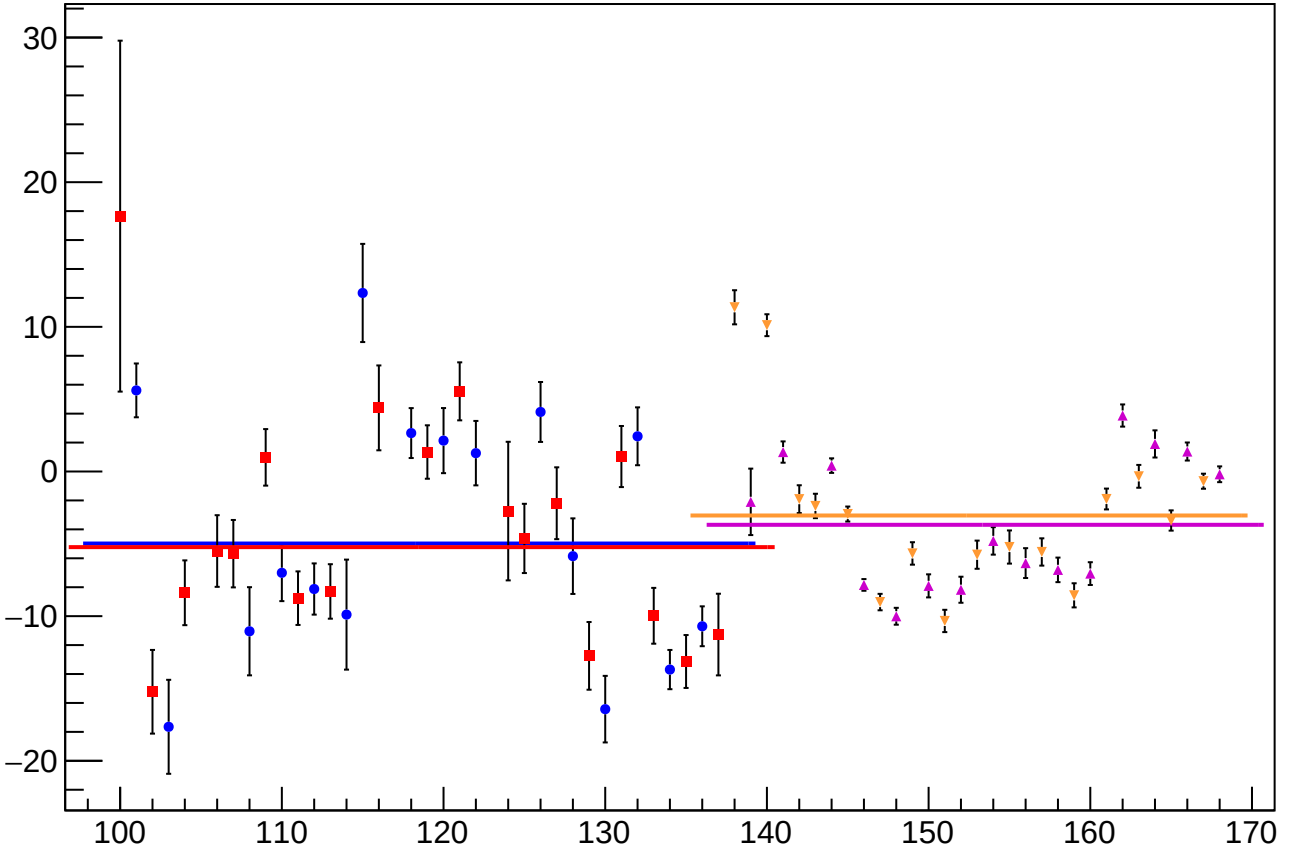
Left In: -39.792+/-0.253 χ^2/NDF:1779.6/14

+ sign -38.661+/-0.228 χ^2/NDF: 1827.3/31

All: -37.982+/-0.159 χ^2/NDF: 4341.2/65

- sign -37.347+/-0.221 χ^2/NDF: 2496.8/33

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -3.041+/-0.186 χ^2/NDF:762.7/15

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

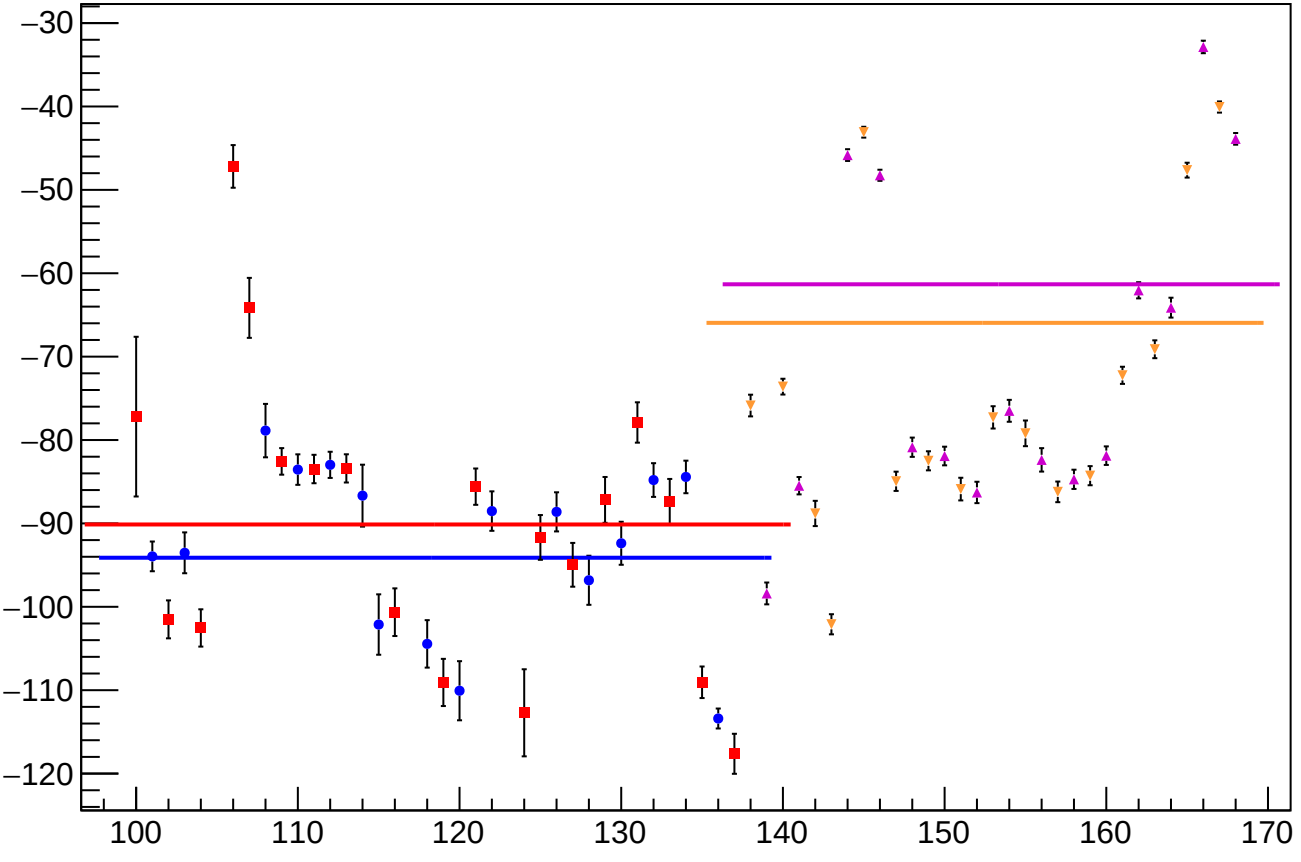
Left In: -3.685+/-0.178 χ^2/NDF:668.4/14

+ sign -3.270+/-0.175 χ^2/NDF: 1012.8/31

All: -3.569+/-0.121 χ^2/NDF: 1831.1/65

- sign -3.845+/-0.168 χ^2/NDF: 812.7/33

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -65.947+/-0.259 χ^2/NDF:5807.7/15

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

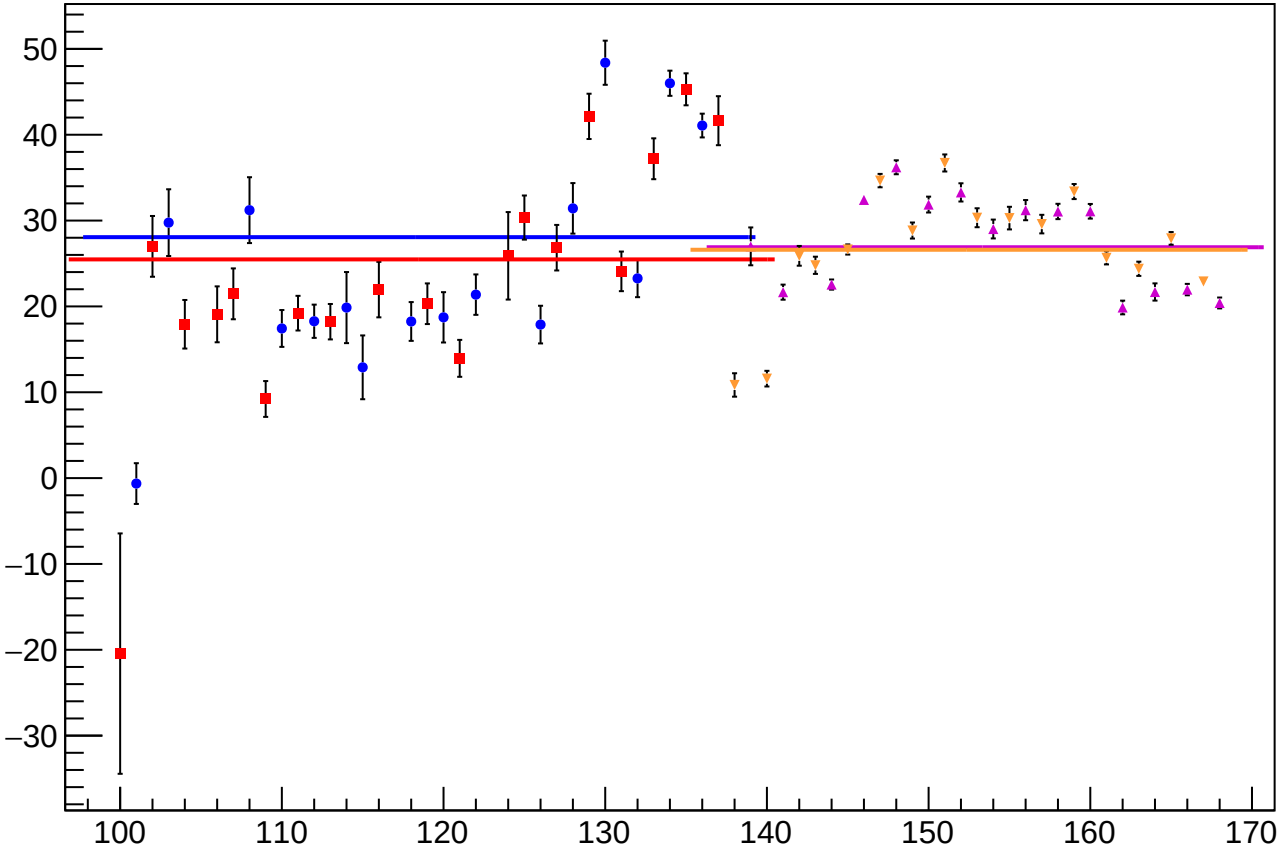
Left In: -61.323+/-0.249 χ^2/NDF:6384.1/14

+ sign -71.252+/-0.233 χ^2/NDF: 8507.6/31

All: -68.713+/-0.162 χ^2/NDF: 18237.5/65

- sign -66.322+/-0.226 χ^2/NDF: 9499.5/33

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 26.600+/-0.214 χ^2/NDF:764.4/15

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

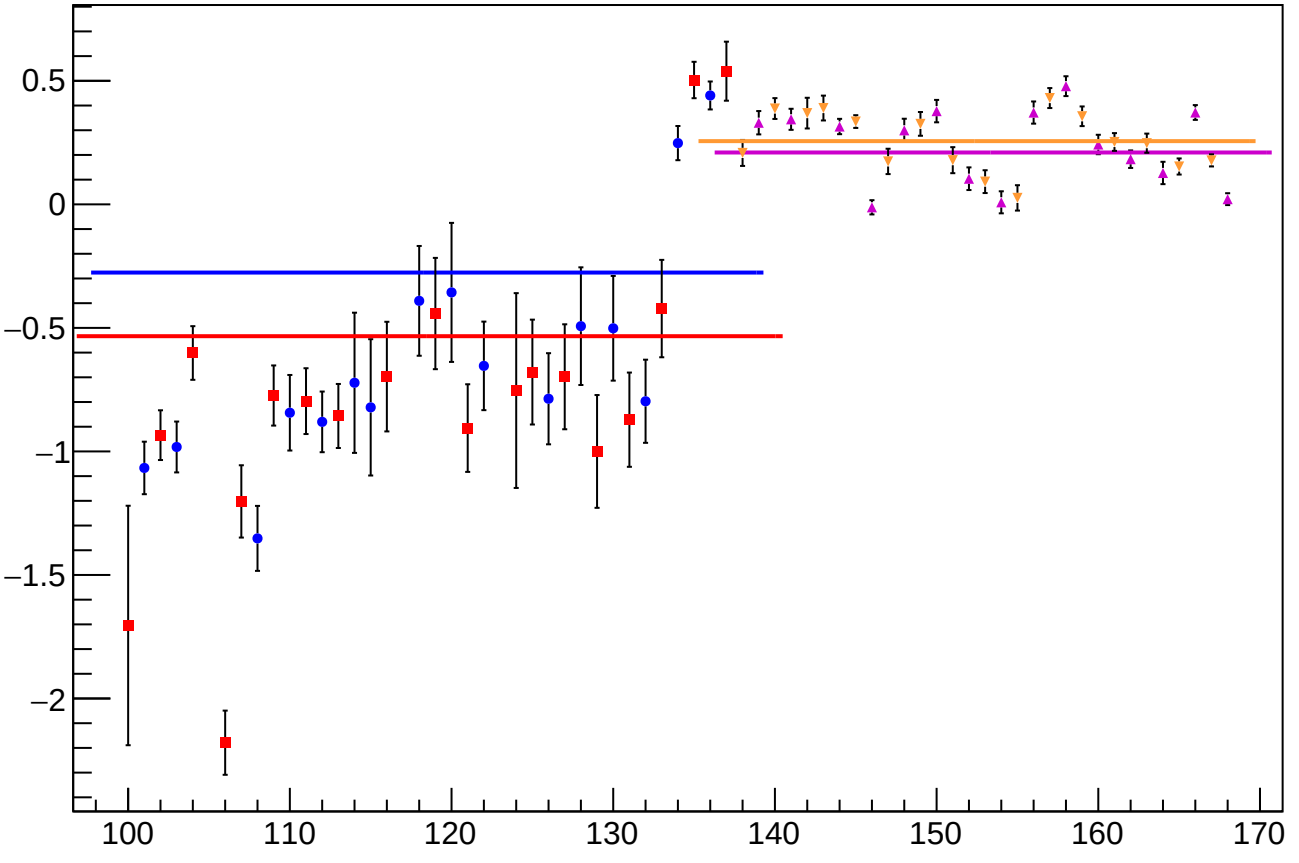
Left In: 26.893+/-0.207 χ^2/NDF:730.3/14

+ sign 26.783+/-0.201 χ^2/NDF: 1353.3/31

All: 26.759+/-0.140 χ^2/NDF: 2443.4/65

- sign 26.737+/-0.196 χ^2/NDF: 1090.0/33

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.256+/-0.010 χ^2/NDF:115.1/15

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

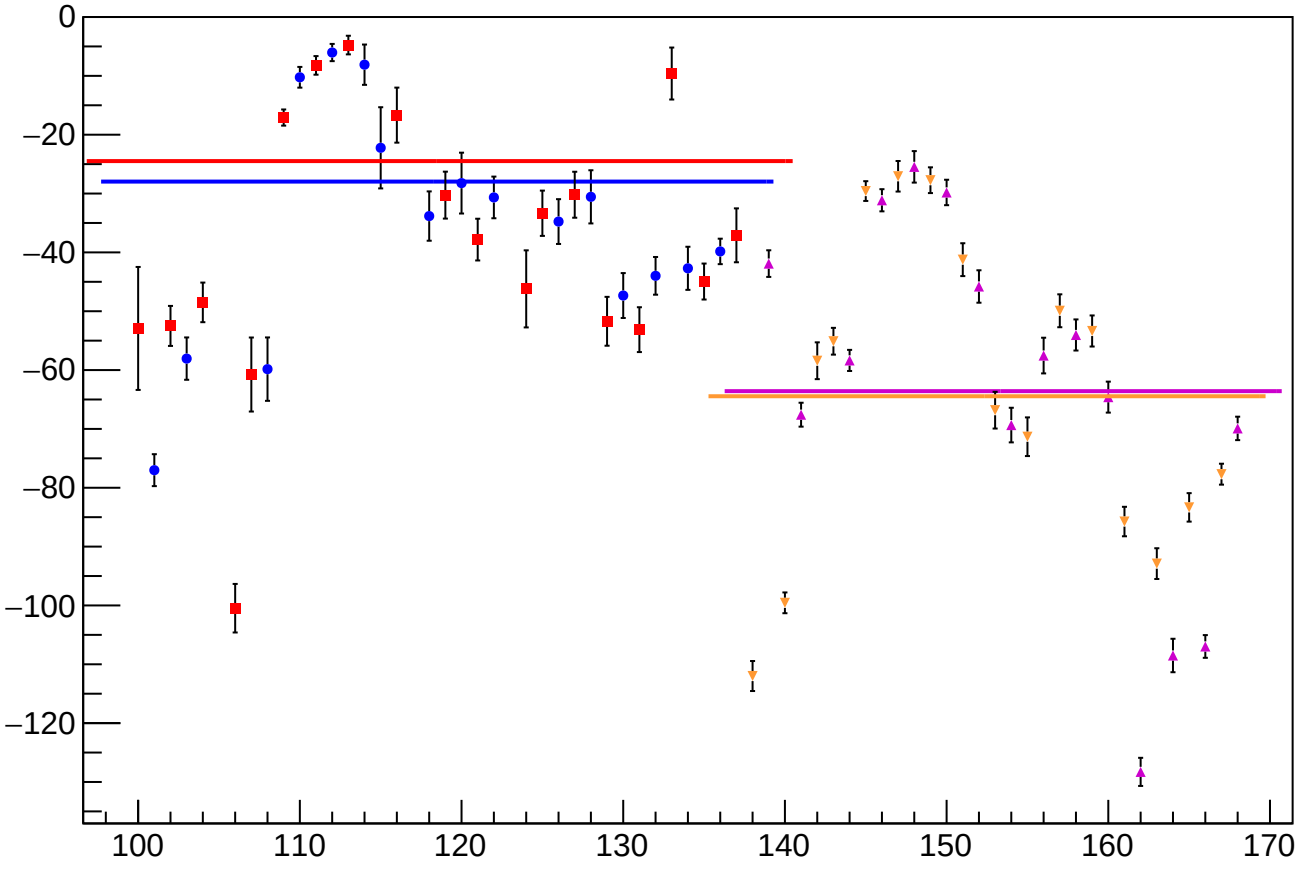
Left In: 0.210+/-0.010 χ^2/NDF:283.5/14

+ sign 0.206+/-0.009 χ^2/NDF: 844.1/31

All: 0.179+/-0.007 χ^2/NDF: 2127.7/65

- sign 0.152+/-0.009 χ^2/NDF: 1266.5/33

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -64.448+/-0.590 χ^2/NDF:2109.4/15

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

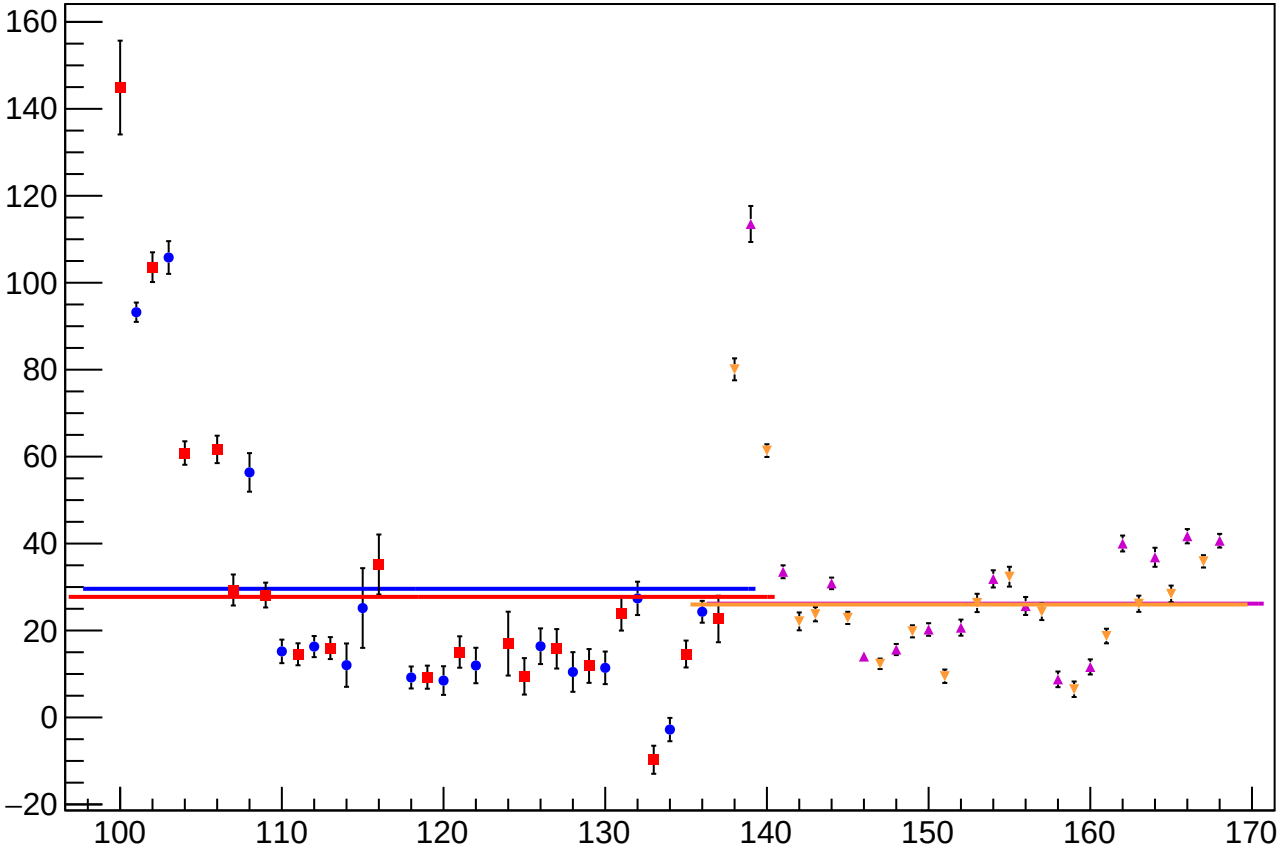
Left In: -63.581+/-0.593 χ^2/NDF:2408.6/14

+ sign -49.967+/-0.458 χ^2/NDF: 4520.1/31

All: -48.020+/-0.318 χ^2/NDF: 9886.4/65

- sign -46.212+/-0.442 χ^2/NDF: 5331.6/33

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 25.985+/-0.417 χ^2/NDF:1509.5/15

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

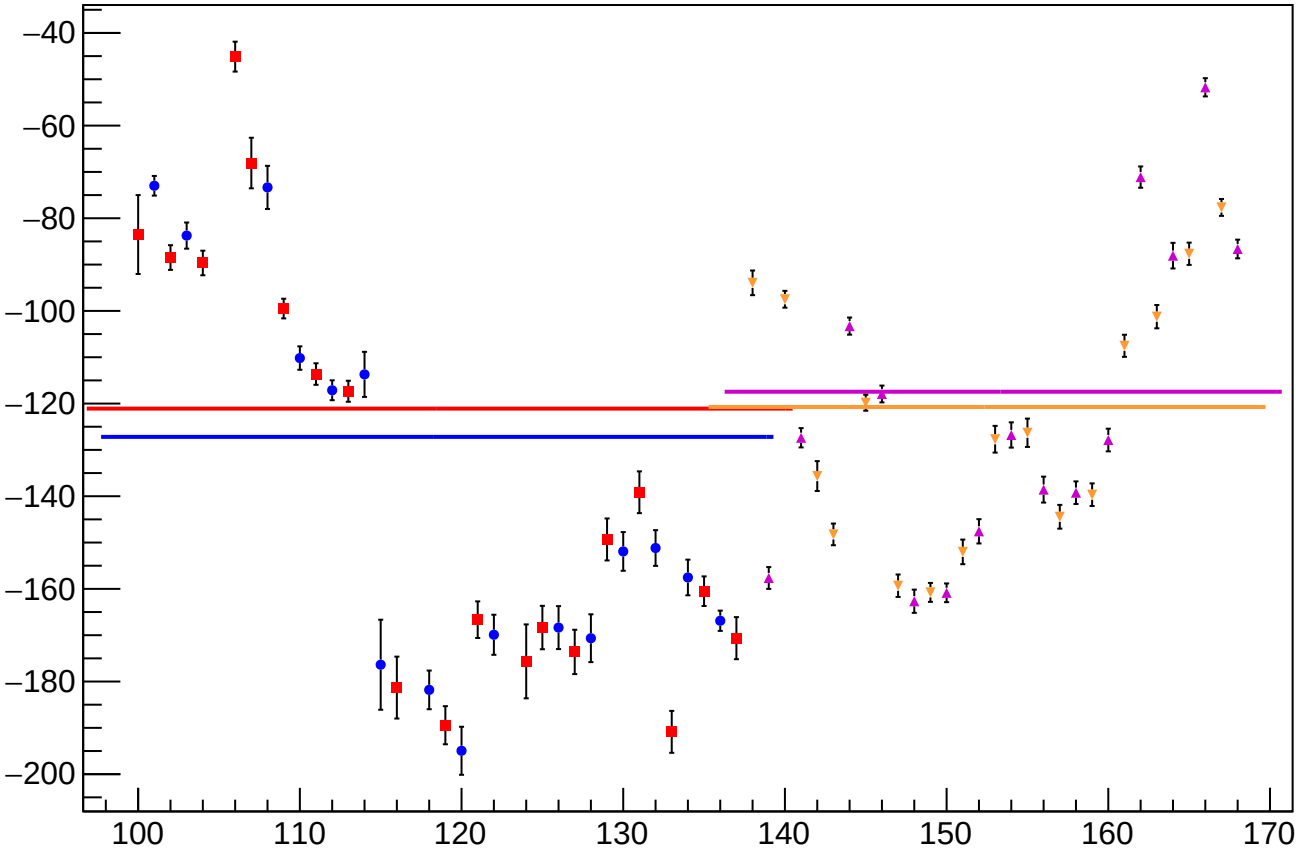
Left In: 26.180+/-0.422 χ^2/NDF:1113.8/14

+ sign 26.745+/-0.370 χ^2/NDF: 3191.0/31

All: 26.633+/-0.263 χ^2/NDF: 5493.1/65

- sign 26.520+/-0.373 χ^2/NDF: 2301.9/33

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -120.737+/-0.581 χ^2/NDF:2192.9/15

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

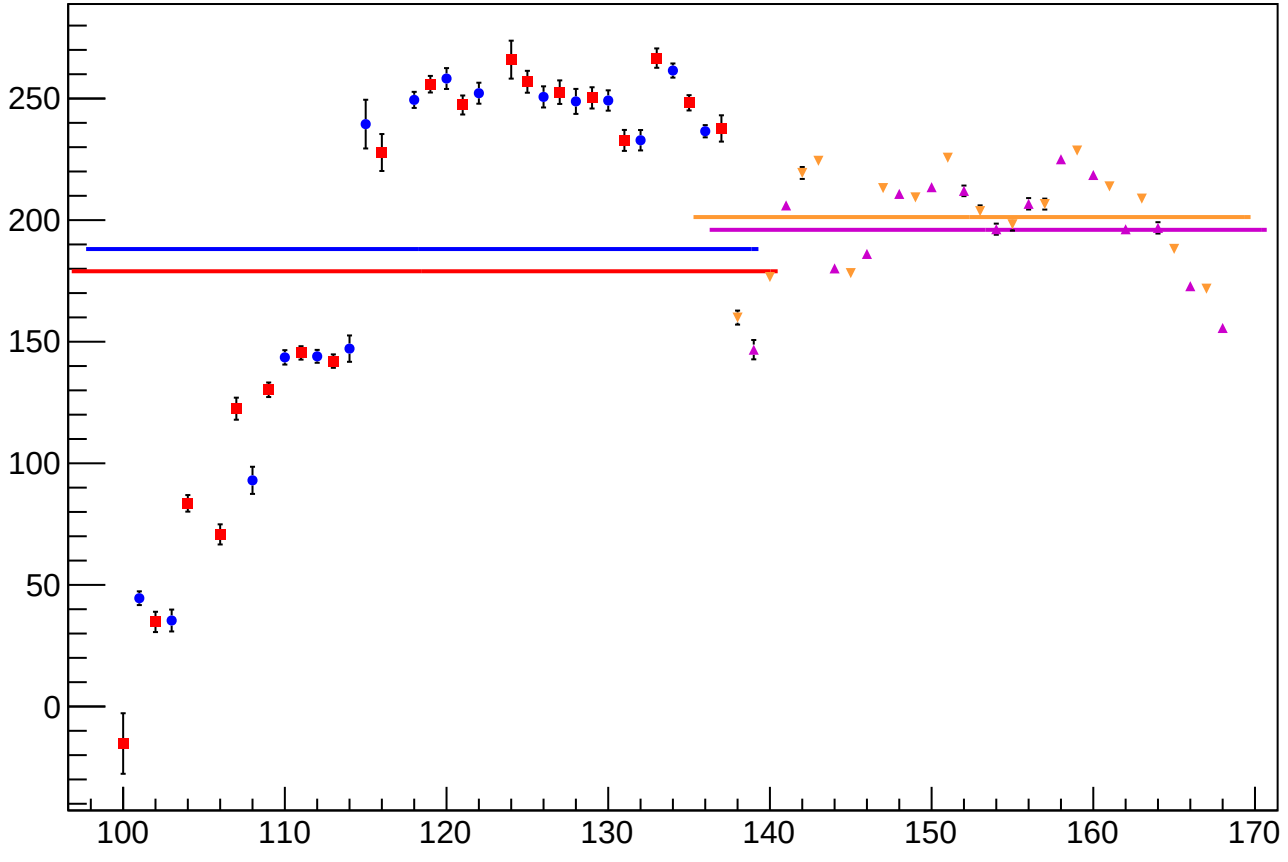
Left In: -117.445+/-0.579 χ^2/NDF:3325.4/14

+ sign -122.860+/-0.476 χ^2/NDF: 4411.7/31

All: -120.751+/-0.334 χ^2/NDF: 10186.8/65

- sign -118.703+/-0.469 χ^2/NDF: 5736.3/33

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 201.258+/-0.483 χ^2/NDF:1721.5/15

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

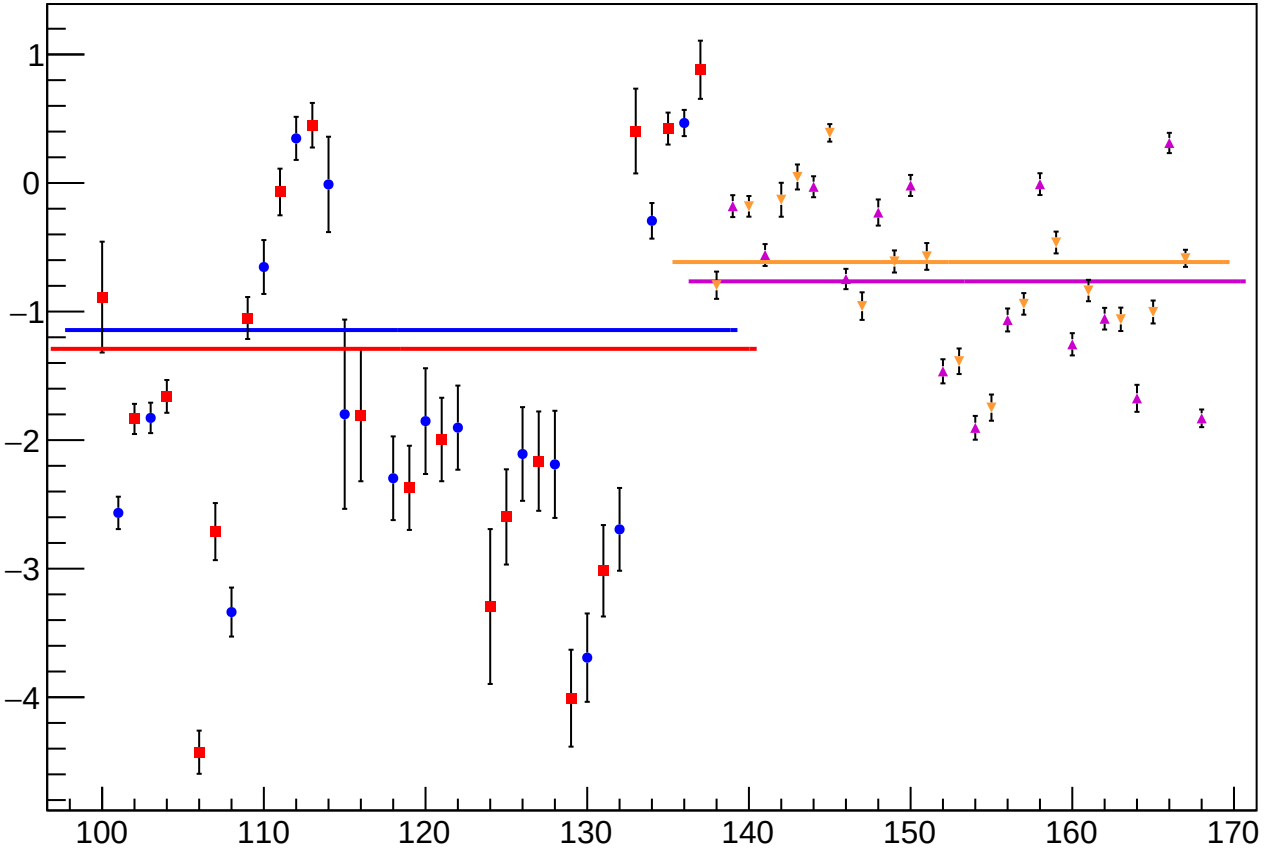
Left In: 196.013+/-0.488 χ^2/NDF:1633.6/14

+ sign 198.405+/-0.428 χ^2/NDF: 9000.8/31

All: 195.316+/-0.303 χ^2/NDF: 17681.5/65

- sign 192.193+/-0.430 χ^2/NDF: 8575.7/33

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.615+/-0.022 χ^2/NDF:571.5/15

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

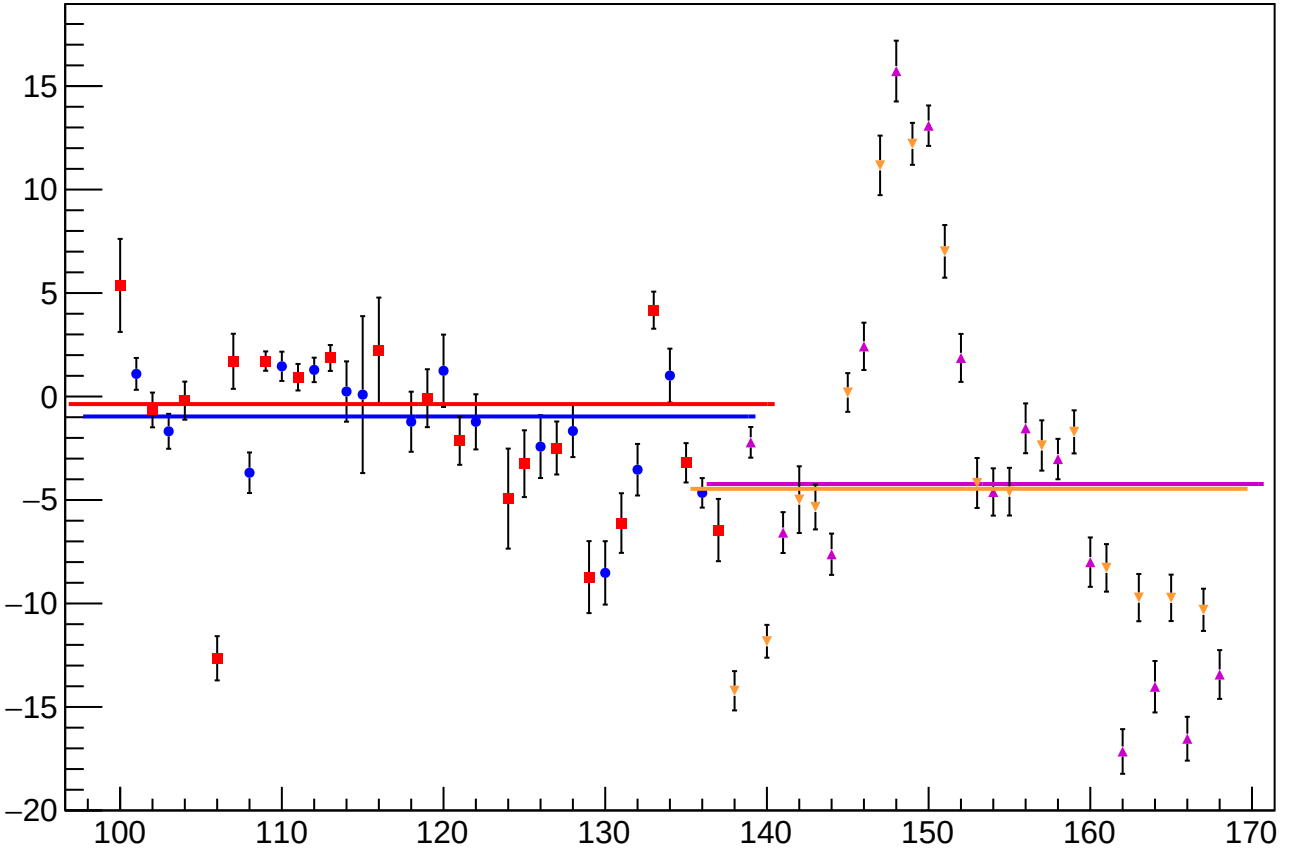
Left In: -0.765+/-0.022 χ^2/NDF:1088.3/14

+ sign -0.708+/-0.020 χ^2/NDF: 1459.0/31

All: -0.784+/-0.014 χ^2/NDF: 3674.2/65

- sign -0.858+/-0.020 χ^2/NDF: 2187.2/33

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -4.459+/-0.272 χ^2/NDF:784.5/15

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

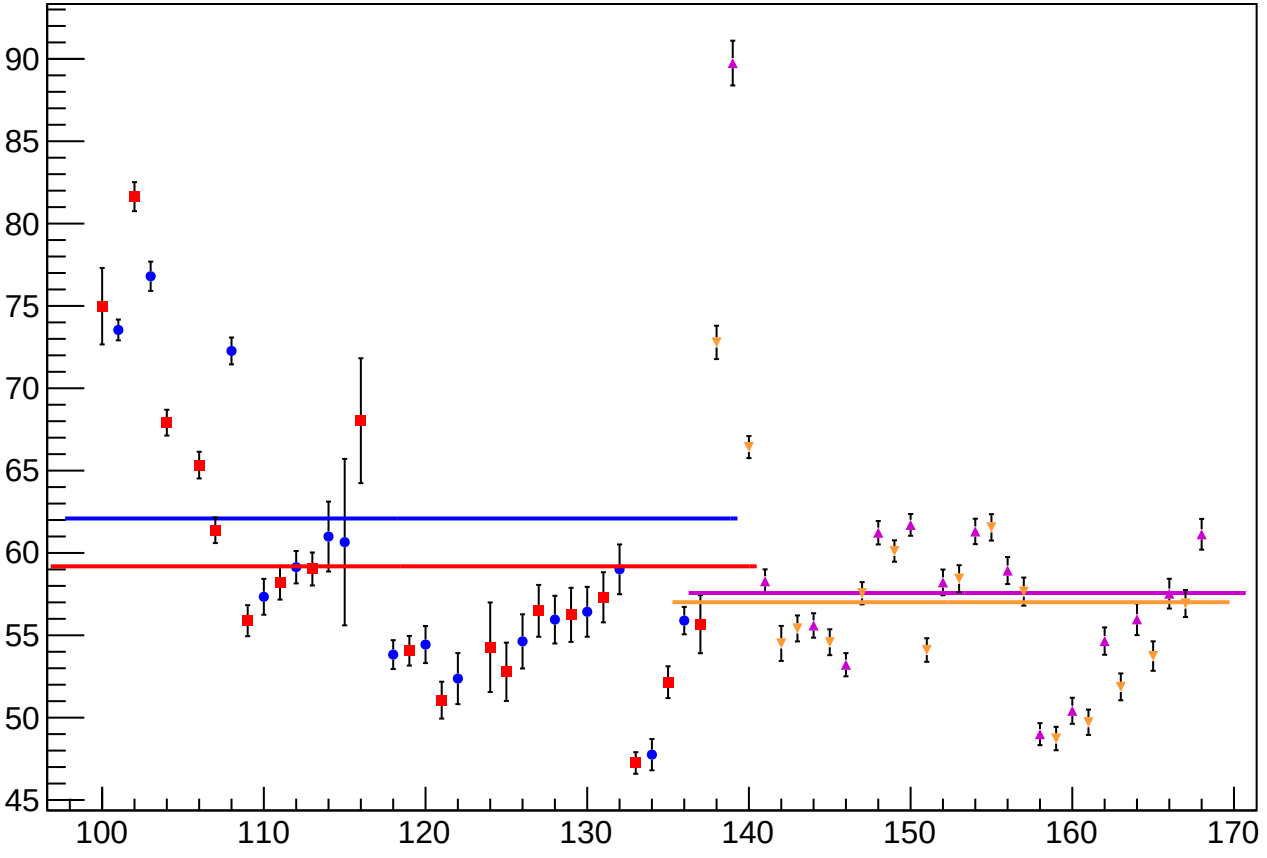
Left In: -4.227+/-0.275 χ^2/NDF:1003.0/14

+ sign -2.584+/-0.185 χ^2/NDF: 976.0/31

All: -2.220+/-0.127 χ^2/NDF: 2385.4/65

- sign -1.902+/-0.174 χ^2/NDF: 1402.2/33

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 57.010+/-0.196 χ^2/NDF:814.0/15

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

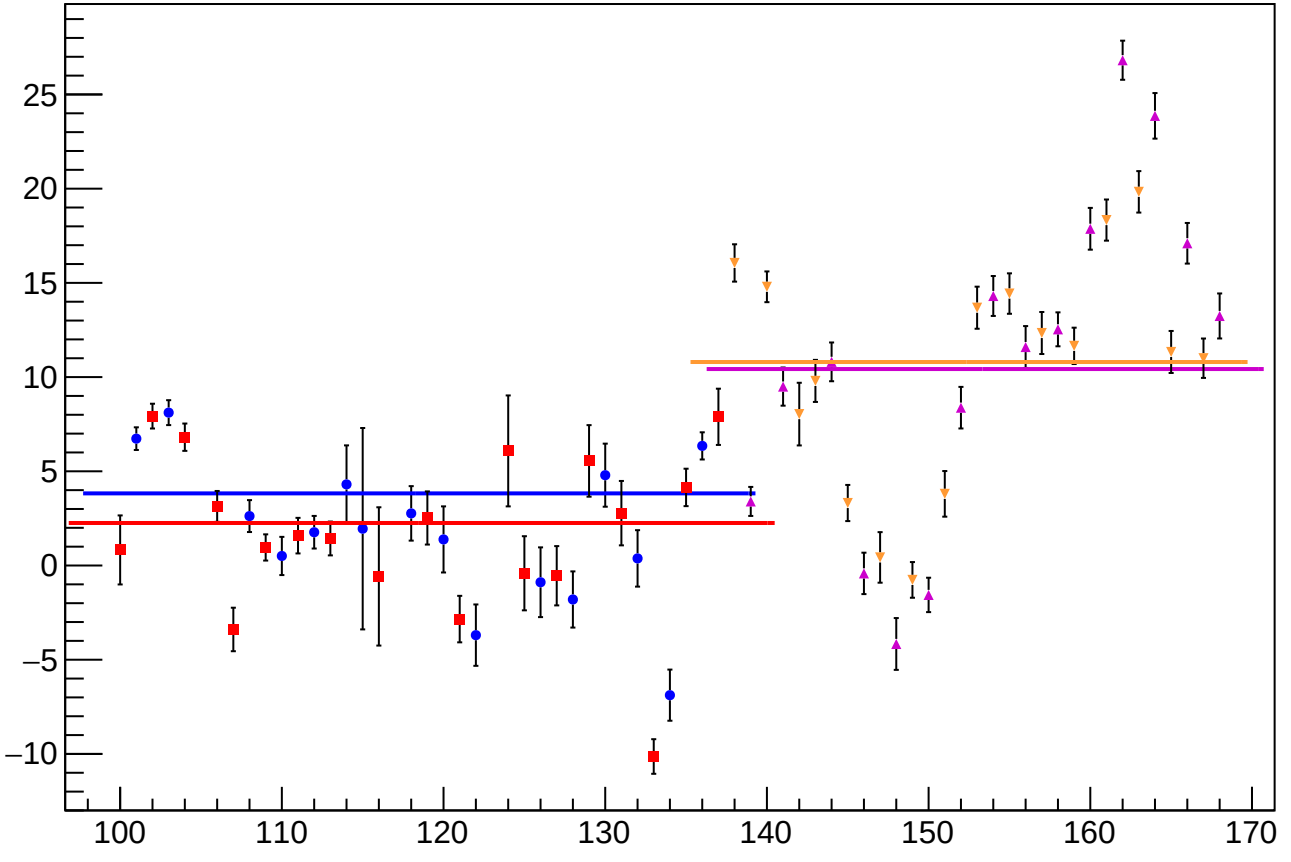
Left In: 57.568+/-0.204 χ^2/NDF:975.1/14

+ sign 58.800+/-0.157 χ^2/NDF: 2353.0/31

All: 58.515+/-0.111 χ^2/NDF: 4762.7/65

- sign 58.234+/-0.156 χ^2/NDF: 2403.2/33

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 10.801+/-0.267 χ^2/NDF:494.8/15

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

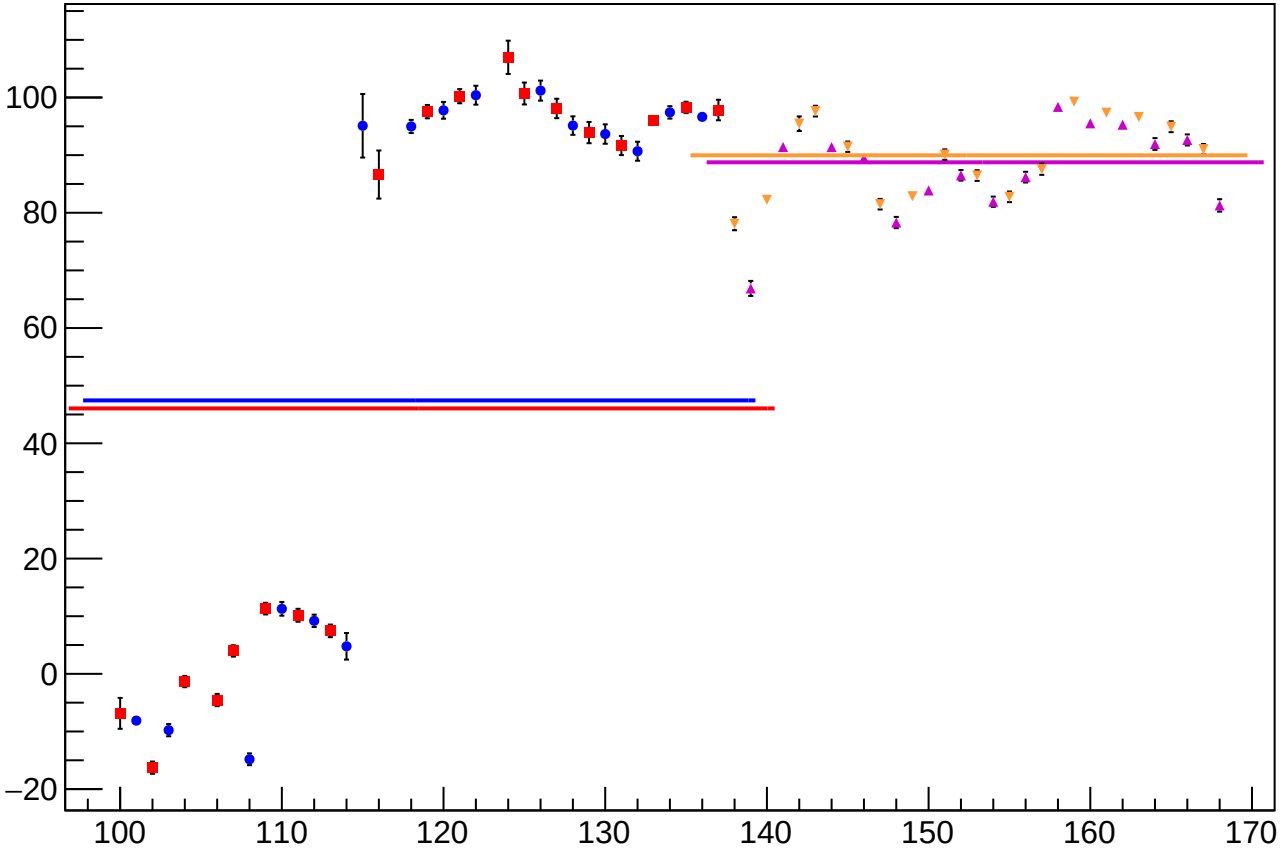
Left In: 10.427+/-0.268 χ^2/NDF:952.0/14

+ sign 7.295+/-0.188 χ^2/NDF: 1047.0/31

All: 6.623+/-0.131 χ^2/NDF: 2898.7/65

- sign 5.998+/-0.181 χ^2/NDF: 1827.1/33

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 89.969+/-0.224 χ^2/NDF:869.1/15

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

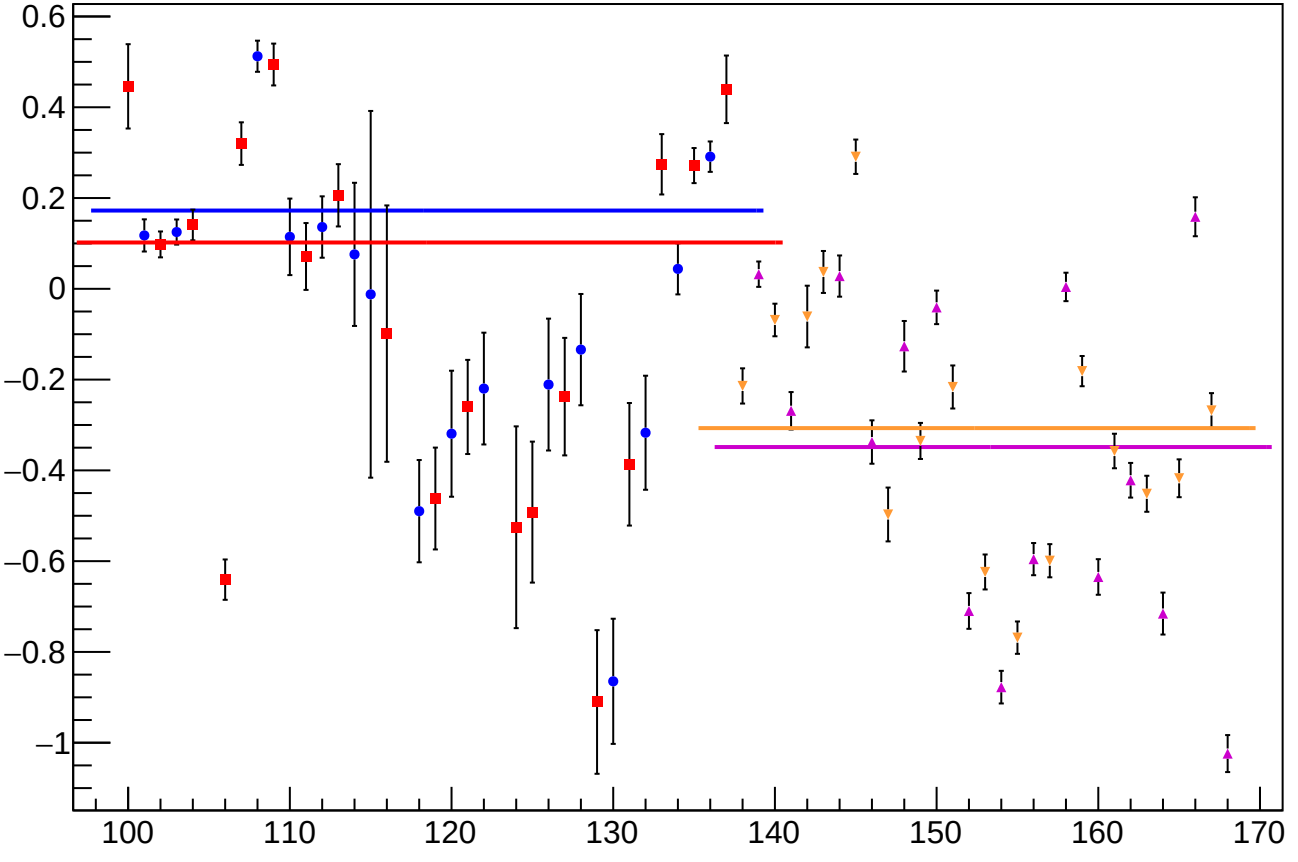
Left In: 88.754+/-0.232 χ^2/NDF:909.9/14

+ sign 75.220+/-0.181 χ^2/NDF: 40203.3/31

All: 73.447+/-0.128 χ^2/NDF: 83740.4/65

- sign 71.706+/-0.180 χ^2/NDF: 43347.8/33

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.307+/-0.010 χ^2/NDF:718.5/15

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

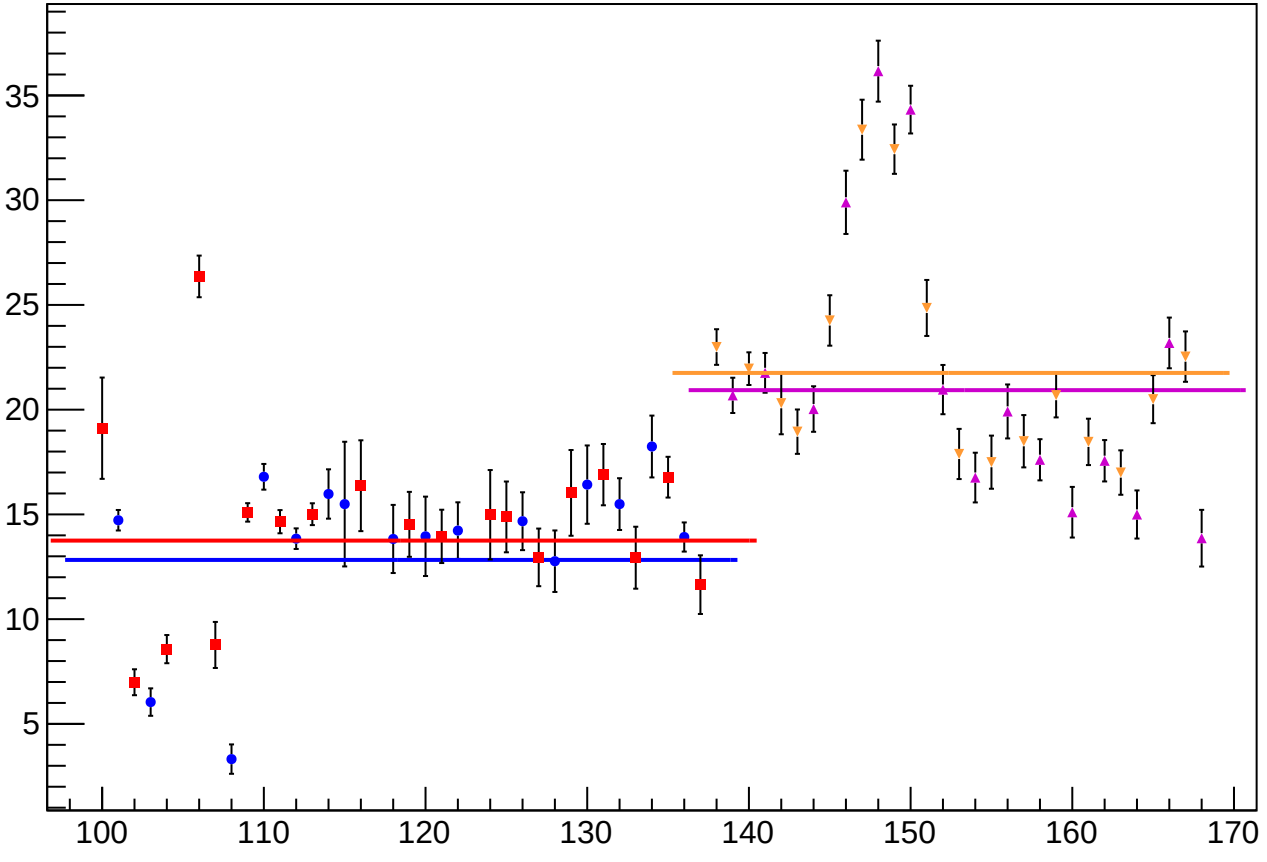
Left In: -0.349+/-0.010 χ^2/NDF:1354.1/14

+ sign -0.146+/-0.008 χ^2/NDF: 1745.7/31

All: -0.168+/-0.006 χ^2/NDF: 4395.7/65

- sign -0.188+/-0.008 χ^2/NDF: 2636.4/33

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.754+/-0.279 χ^2/NDF:227.9/15

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

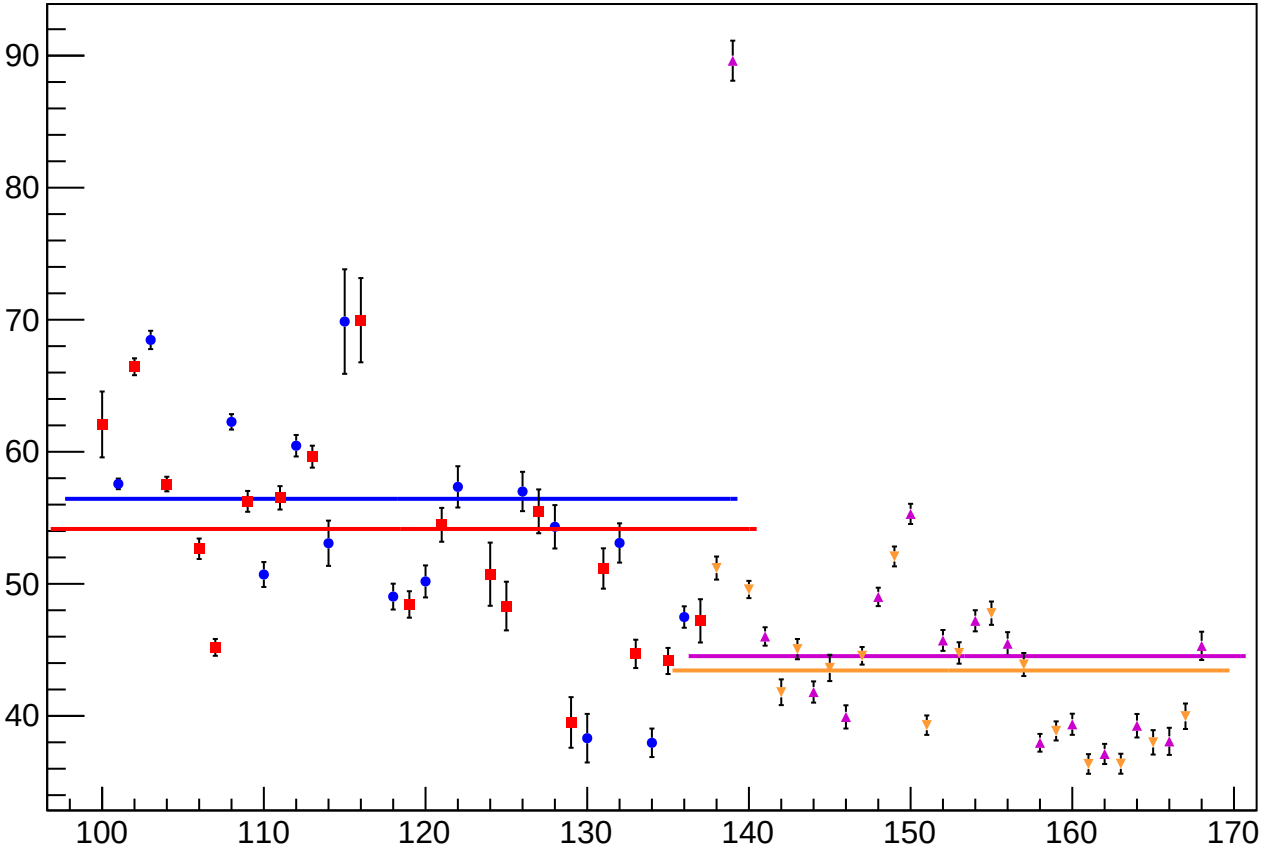
Left In: 20.932+/-0.291 χ^2/NDF:401.5/14

\+ sign 16.133+/-0.170 χ^2/NDF: 1260.0/31

All: 16.126+/-0.119 χ^2/NDF: 2473.8/65

\- sign 16.119+/-0.167 χ^2/NDF: 1213.8/33

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 43.440+/-0.200 χ^2/NDF:633.1/15

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

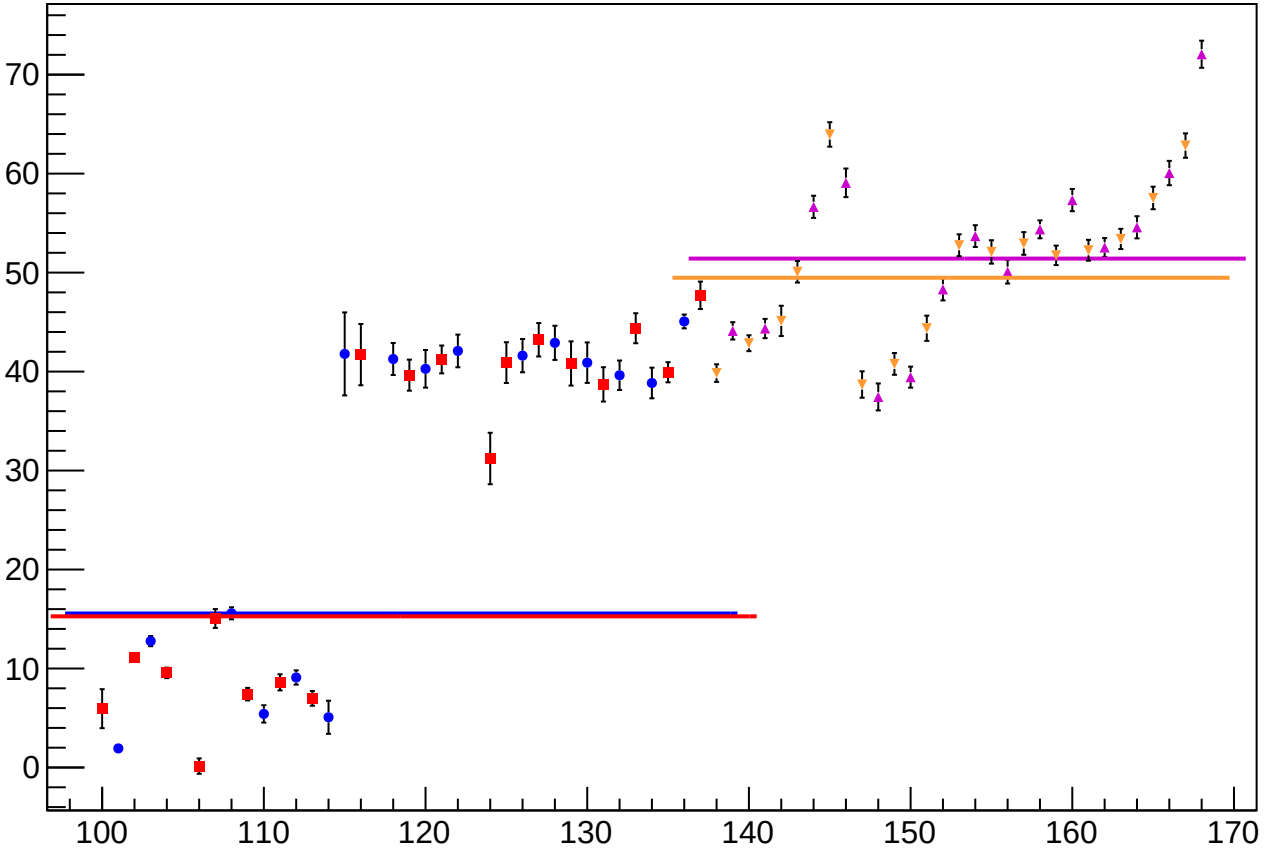
Left In: 44.526+/-0.212 χ^2/NDF:1487.4/14

+ sign 49.254+/-0.148 χ^2/NDF: 3618.8/31

All: 49.168+/-0.107 χ^2/NDF: 7084.1/65

- sign 49.075+/-0.154 χ^2/NDF: 3464.6/33

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 49.479+/-0.274 χ^2/NDF:691.9/15

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

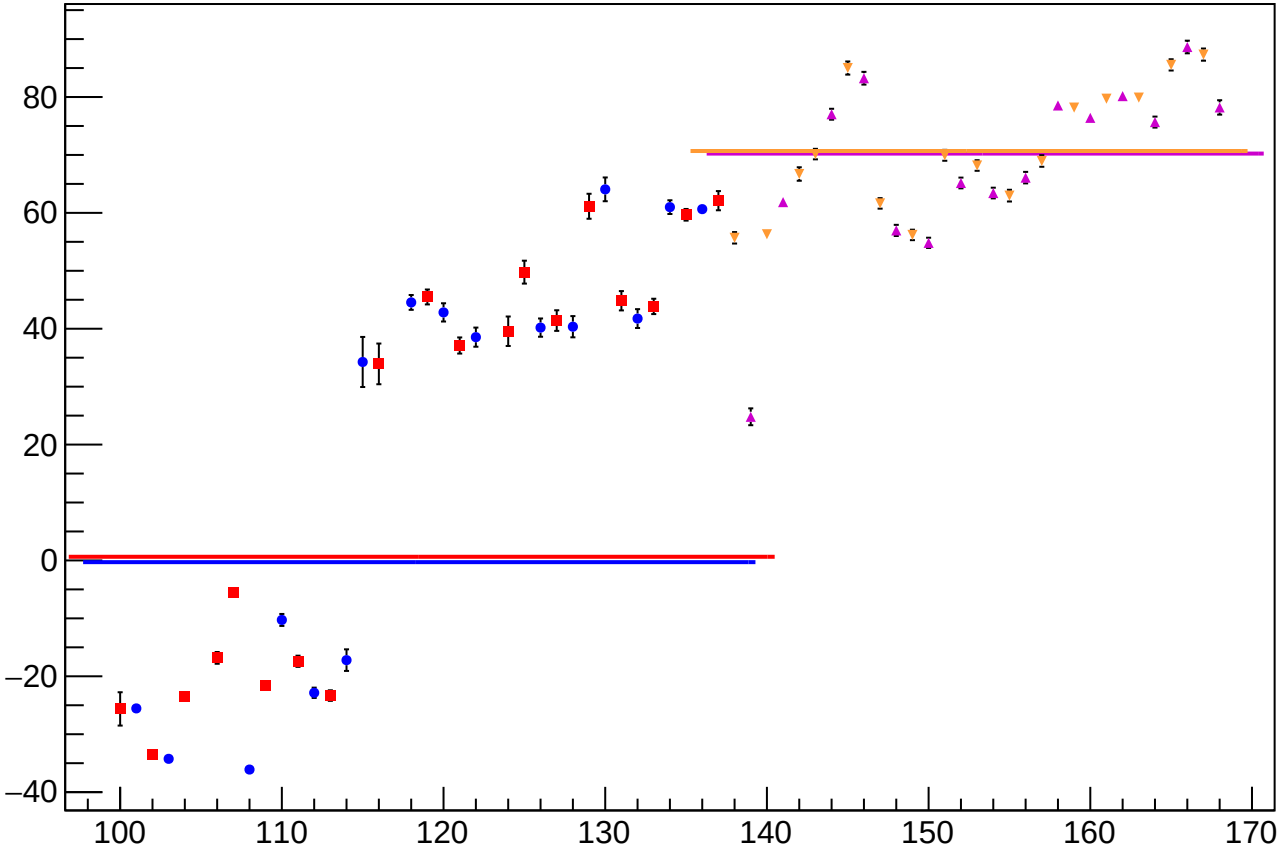
Left In: 51.415+/-0.283 χ^2/NDF:740.8/14

+ sign 28.435+/-0.169 χ^2/NDF: 15403.6/31

All: 28.625+/-0.121 χ^2/NDF: 30221.5/65

- sign 28.826+/-0.173 χ^2/NDF: 14815.3/33

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 70.678+/-0.229 χ^2/NDF:2008.2/15

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

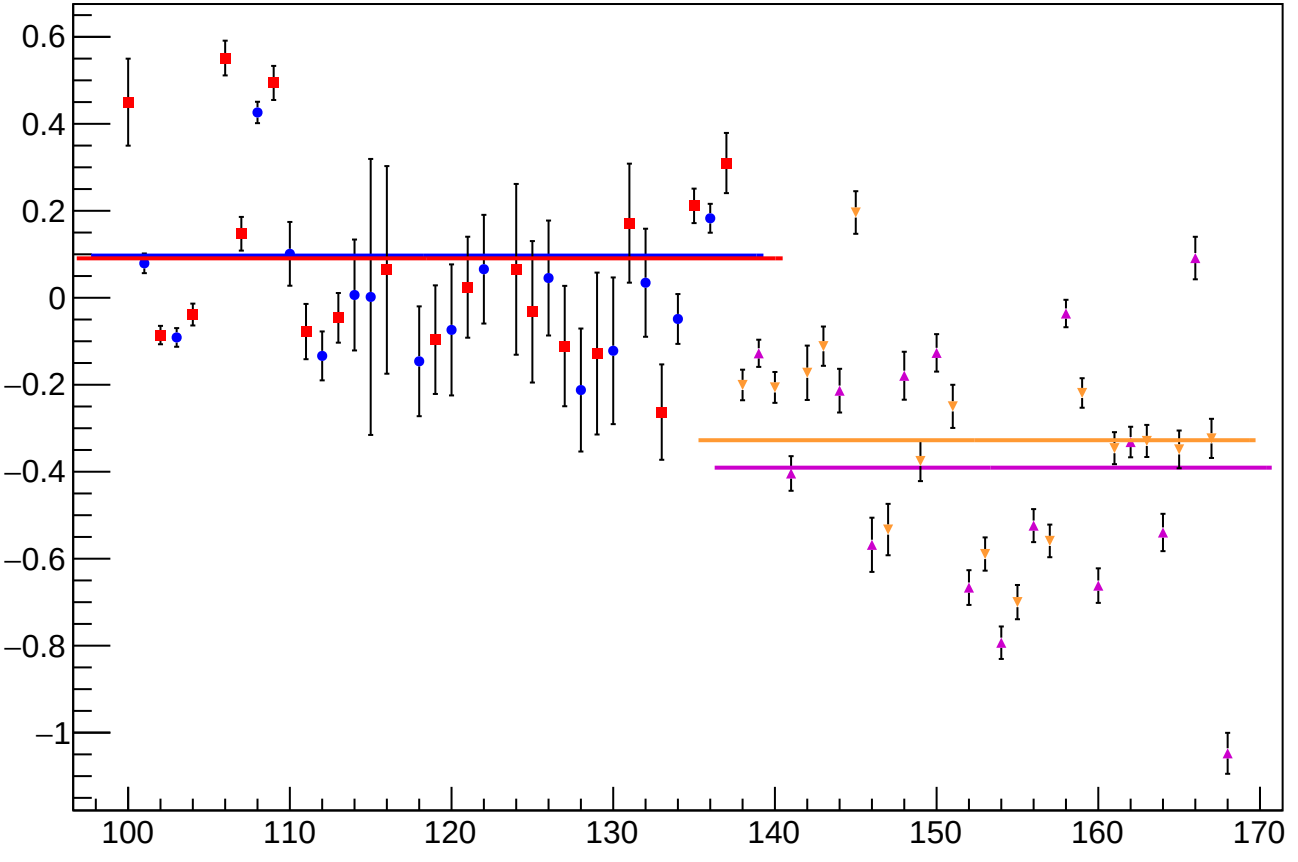
Left In: 70.236+/-0.242 χ^2/NDF:2569.5/14

+ sign 39.790+/-0.172 χ^2/NDF: 64677.0/31

All: 39.145+/-0.124 χ^2/NDF: 121189.4/65

- sign 38.457+/-0.178 χ^2/NDF: 56483.5/33

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.328+/-0.010 χ^2/NDF:368.7/15

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

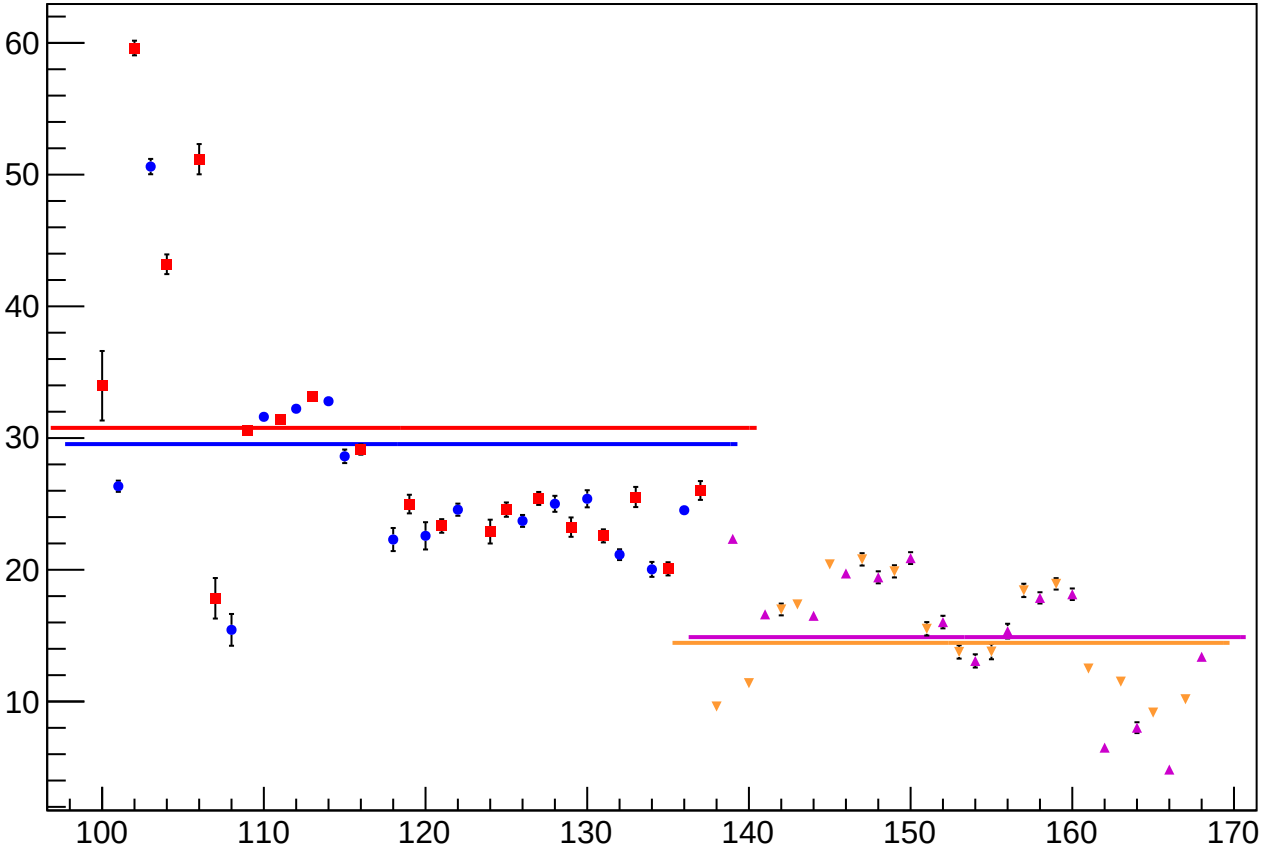
Left In: -0.391+/-0.010 χ^2/NDF:799.3/14

+ sign -0.132+/-0.008 χ^2/NDF: 1441.3/31

All: -0.151+/-0.005 χ^2/NDF: 3617.2/65

- sign -0.170+/-0.008 χ^2/NDF: 2163.9/33

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 14.453+/-0.095 χ^2/NDF:1921.1/15

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

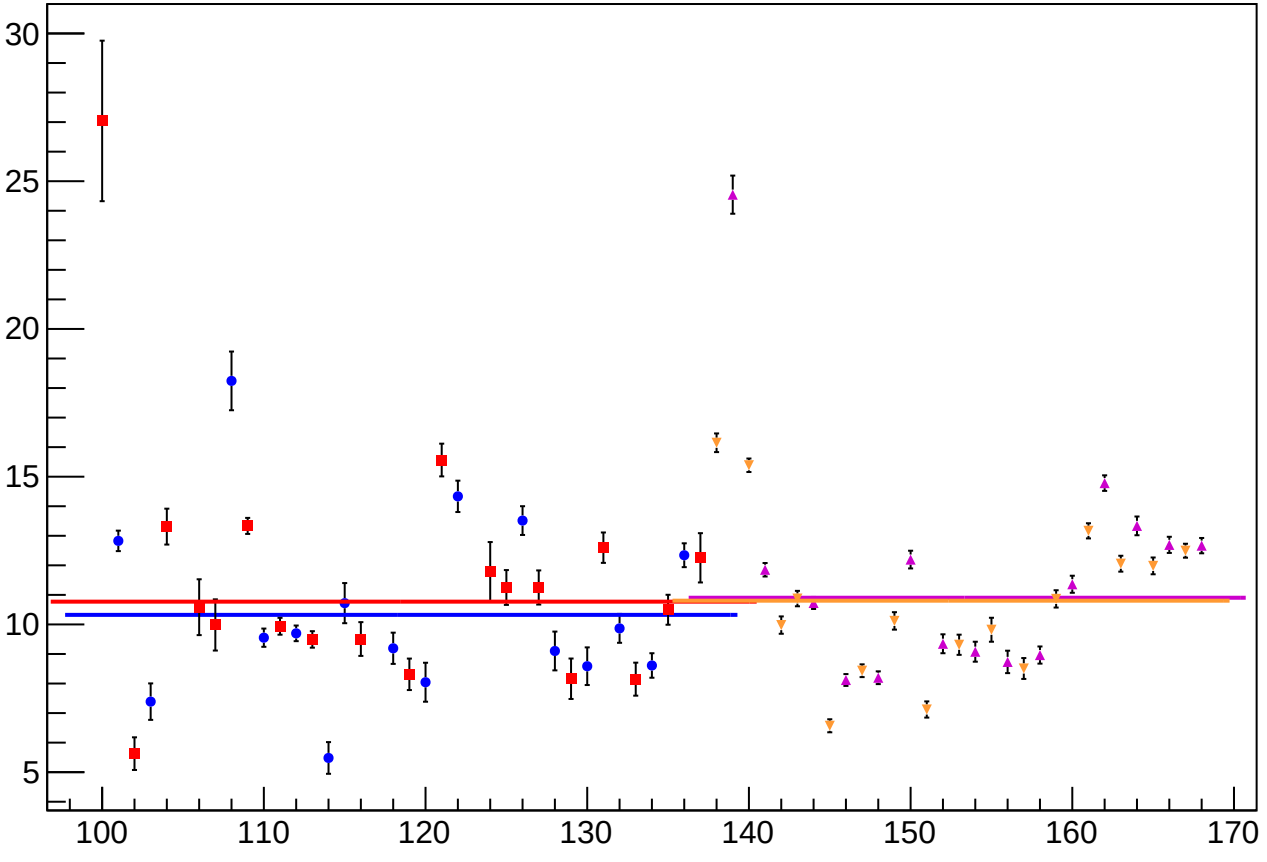
Left In: 14.889+/-0.098 χ^2/NDF:2956.9/14

+ sign 22.258+/-0.066 χ^2/NDF: 18291.2/31

All: 23.394+/-0.045 χ^2/NDF: 42662.2/65

- sign 24.392+/-0.062 χ^2/NDF: 23817.0/33

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.804+/-0.068 χ^2/NDF:1614.1/15

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

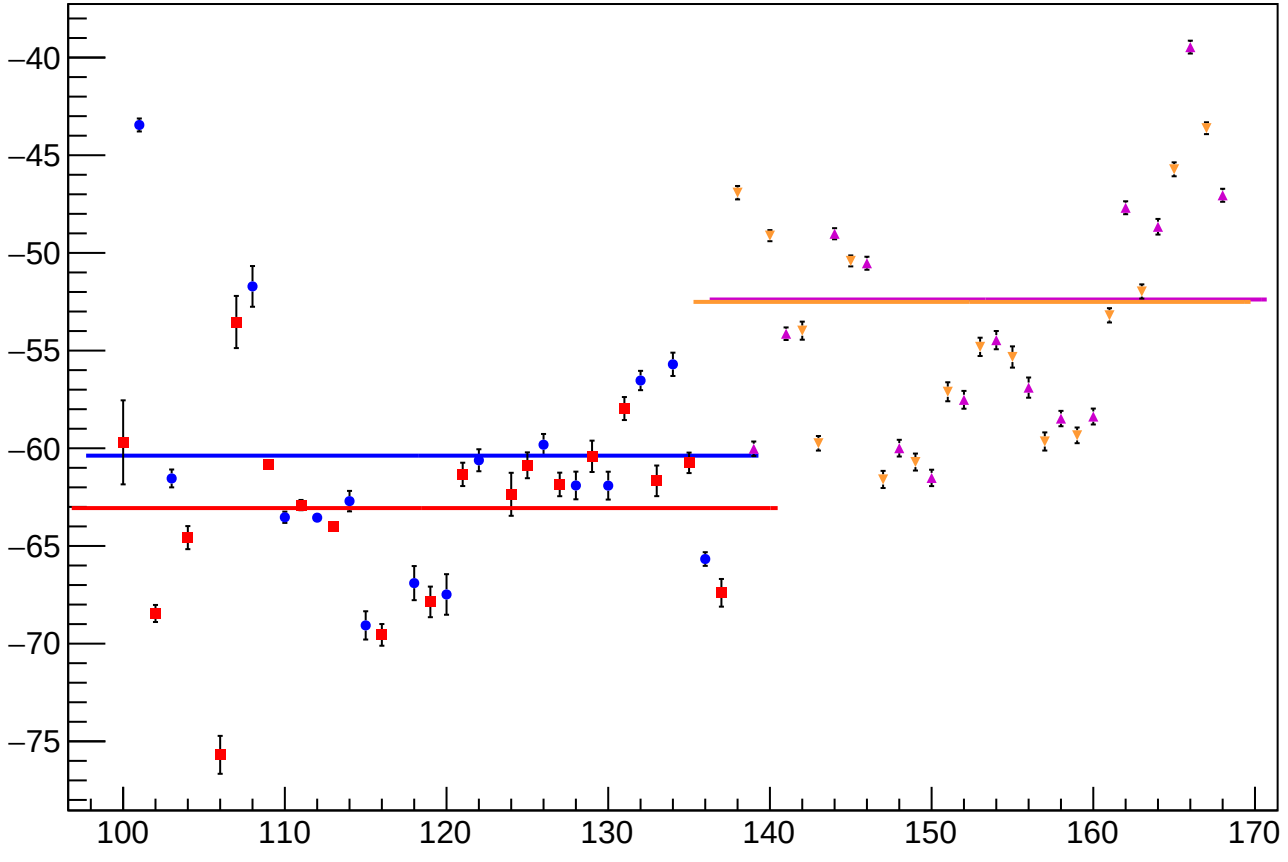
Left In: 10.903+/-0.070 χ^2/NDF:1331.4/14

+ sign 10.678+/-0.058 χ^2/NDF: 2029.9/31

All: 10.771+/-0.042 χ^2/NDF: 3783.2/65

- sign 10.867+/-0.059 χ^2/NDF: 1748.1/33

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -52.507+/-0.094 χ^2/NDF:3524.2/15

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

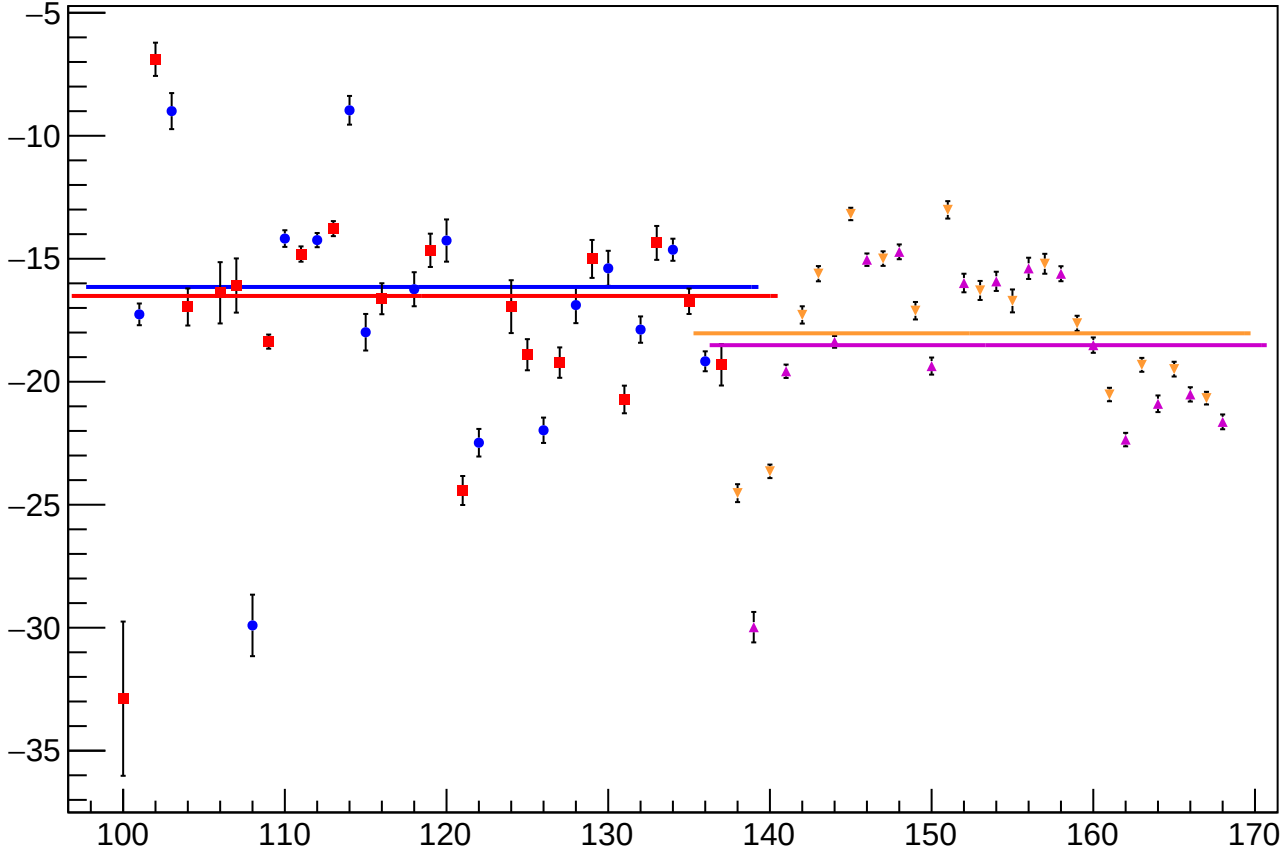
Left In: -52.385+/-0.096 χ^2/NDF:4178.0/14

+ sign -55.736+/-0.072 χ^2/NDF: 9982.2/31

All: -56.442+/-0.051 χ^2/NDF: 20696.2/65

- sign -57.131+/-0.072 χ^2/NDF: 10526.0/33

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -18.031+/-0.079 χ^2/NDF:1791.6/15

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

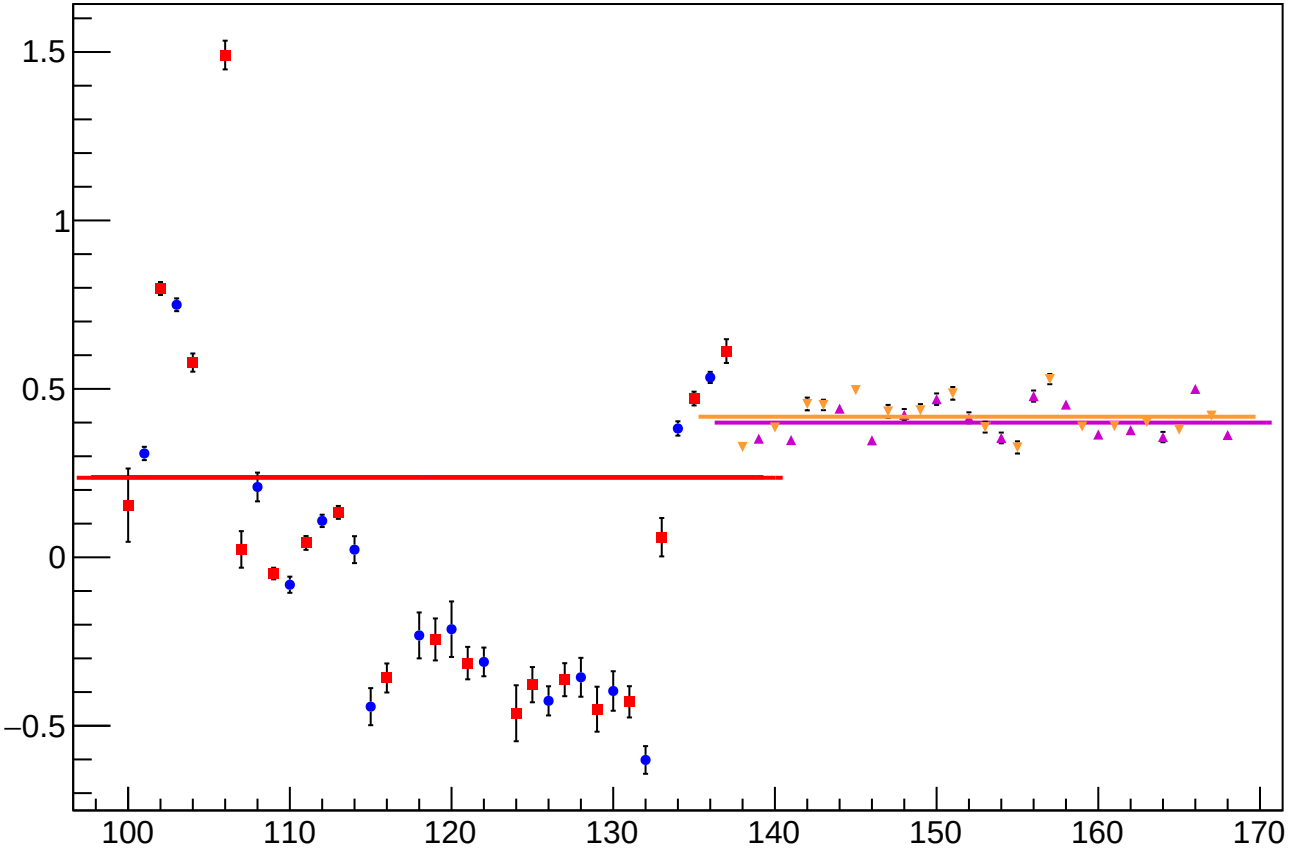
Left In: -18.513+/-0.081 χ^2/NDF:1343.6/14

+ sign -17.511+/-0.067 χ^2/NDF: 2747.6/31

All: -17.713+/-0.048 χ^2/NDF: 4976.1/65

- sign -17.921+/-0.068 χ^2/NDF: 2209.9/33

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.417+/-0.004 χ^2/NDF:224.8/15

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

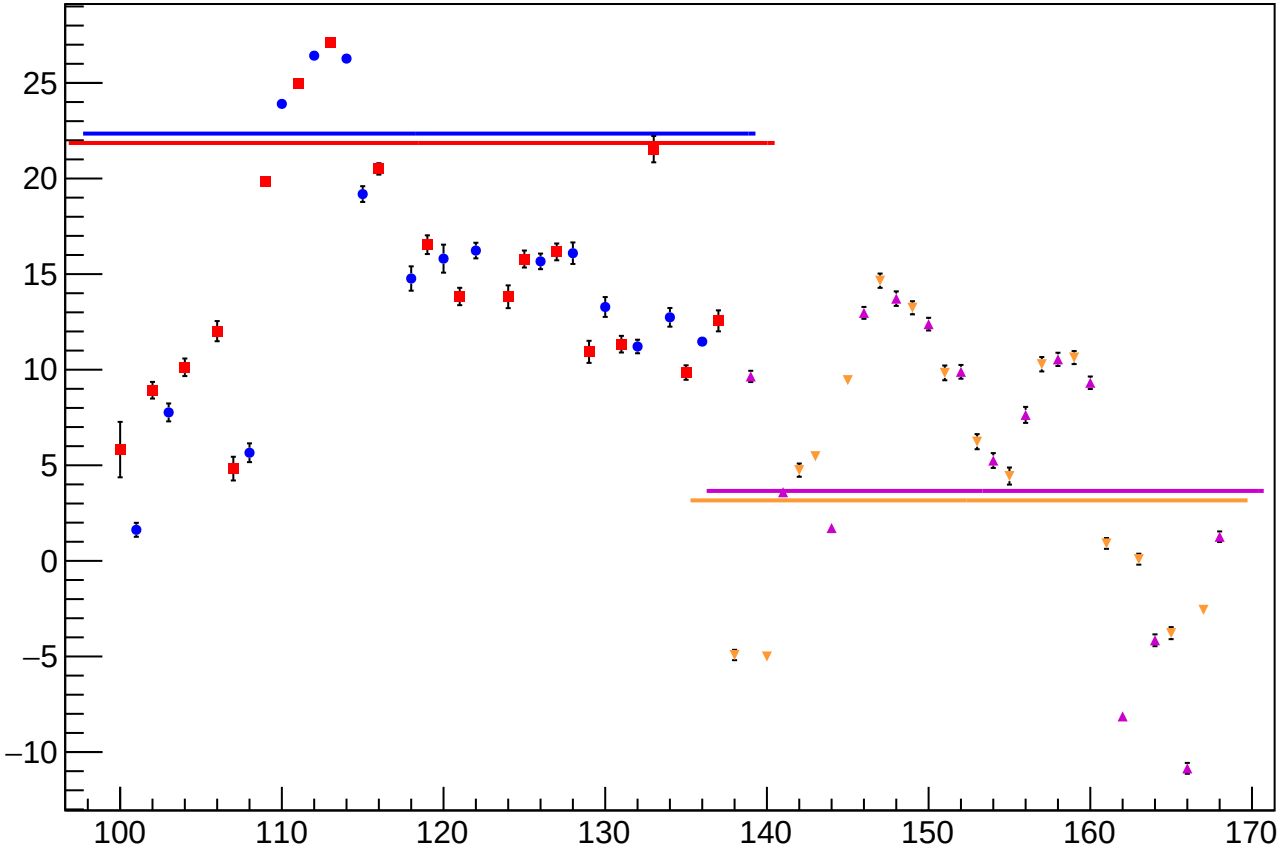
Left In: 0.400+/-0.004 χ^2/NDF:203.7/14

+ sign 0.380+/-0.003 χ^2/NDF: 3370.7/31

All: 0.373+/-0.002 χ^2/NDF: 7601.1/65

- sign 0.366+/-0.003 χ^2/NDF: 4220.1/33

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 3.164+/-0.075 χ^2/NDF:7273.0/15

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

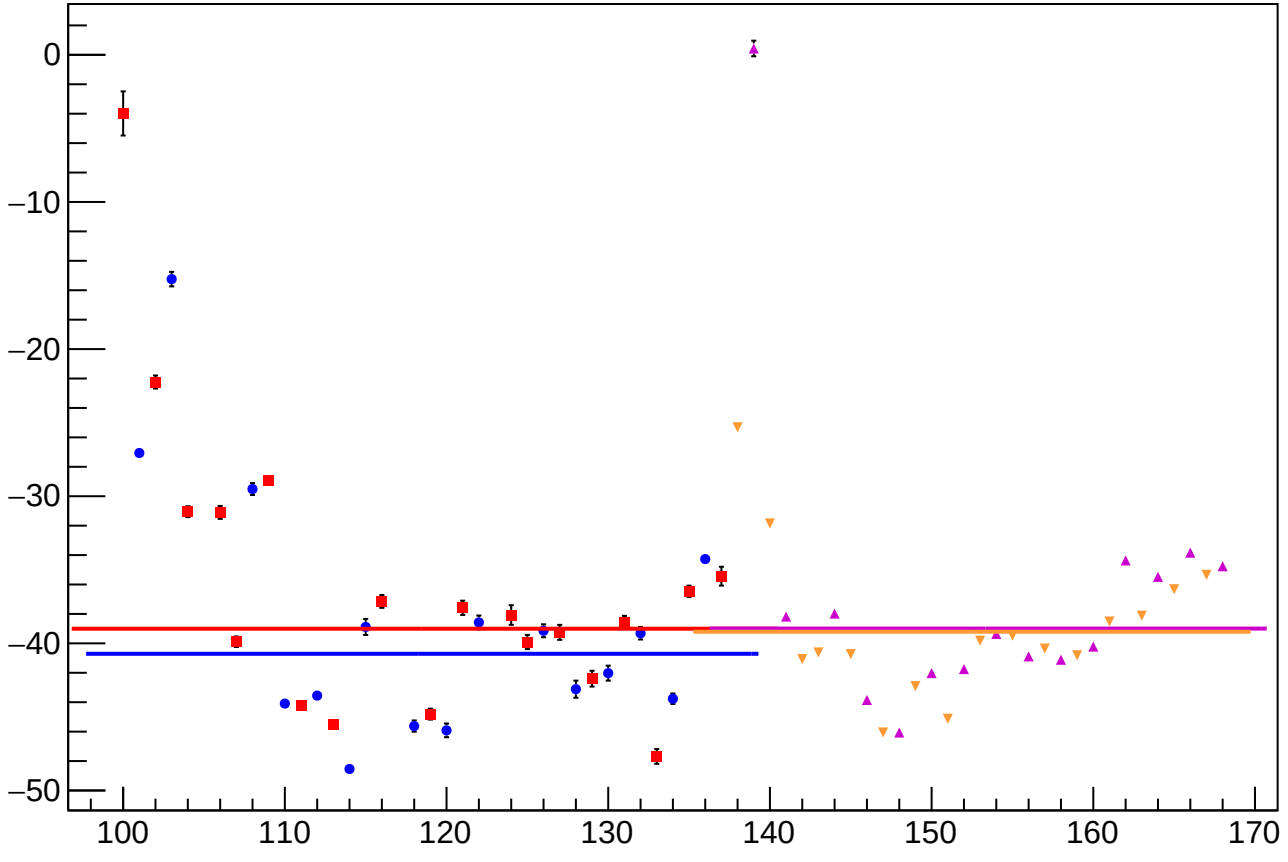
Left In: 3.659+/-0.079 χ^2/NDF:9248.4/14

+ sign 15.396+/-0.045 χ^2/NDF: 61321.4/31

All: 16.395+/-0.030 χ^2/NDF: 121936.8/65

- sign 17.173+/-0.040 χ^2/NDF: 59745.6/33

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.209+/-0.053 χ^2/NDF:7985.1/15

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

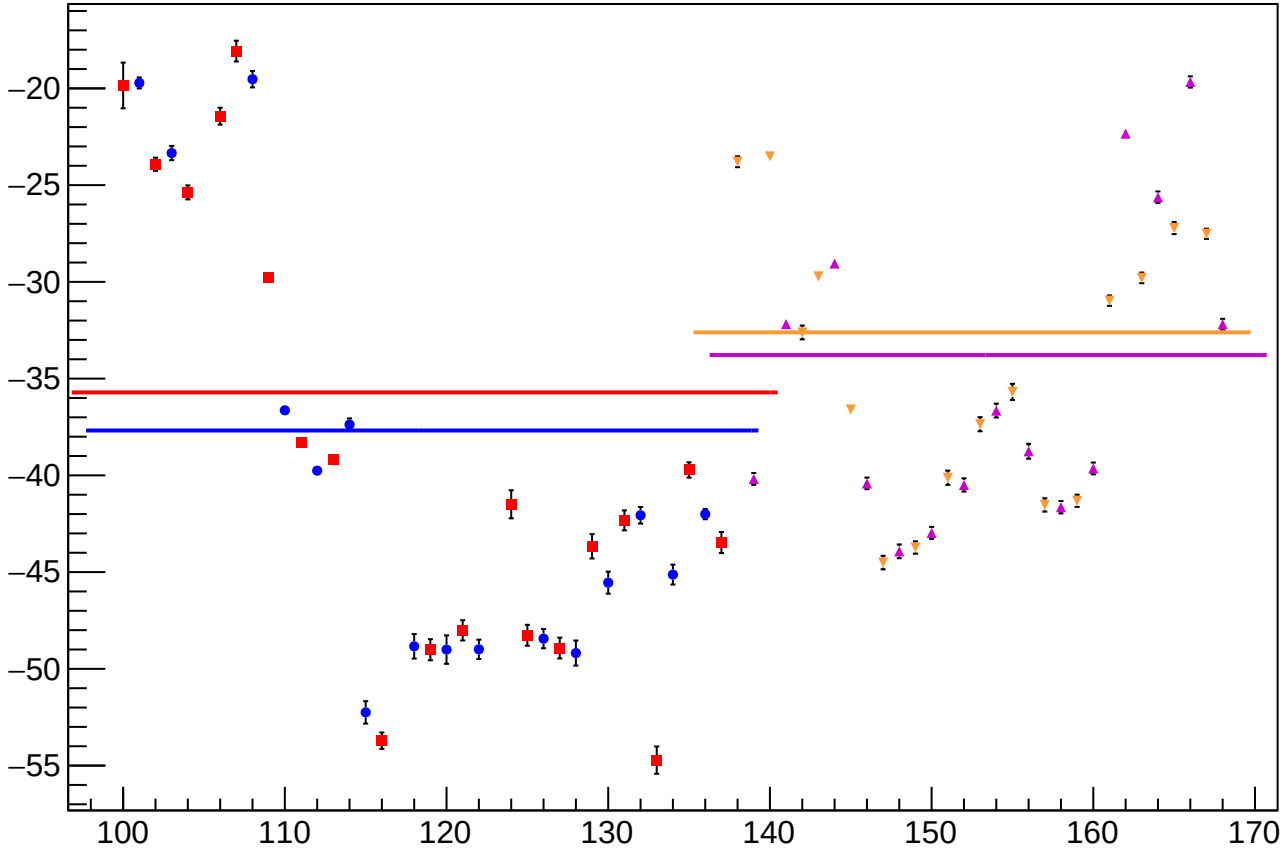
Left In: -38.996+/-0.056 χ^2/NDF:9845.6/14

+ sign -39.700+/-0.044 χ^2/NDF: 16024.0/31

All: -39.353+/-0.031 χ^2/NDF: 36098.0/65

- sign -38.999+/-0.044 χ^2/NDF: 19947.0/33

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -32.609+/-0.074 χ^2/NDF:8302.8/15

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

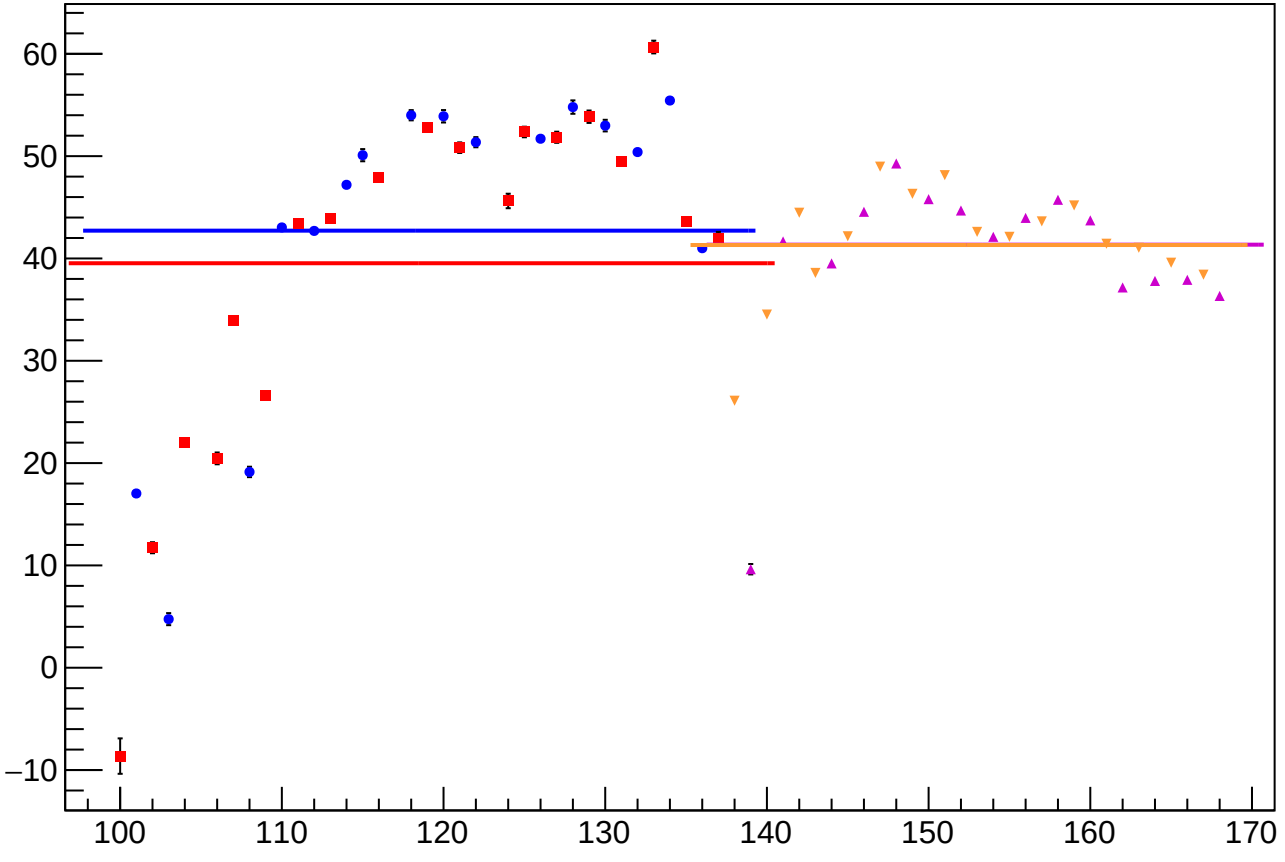
Left In: -33.778+/-0.077 χ^2/NDF:9873.0/14

+ sign -35.157+/-0.052 χ^2/NDF: 21510.2/31

All: -35.030+/-0.036 χ^2/NDF: 45041.4/65

- sign -34.917+/-0.049 χ^2/NDF: 23520.1/33

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.314+/-0.062 χ^2/NDF:6502.0/15

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

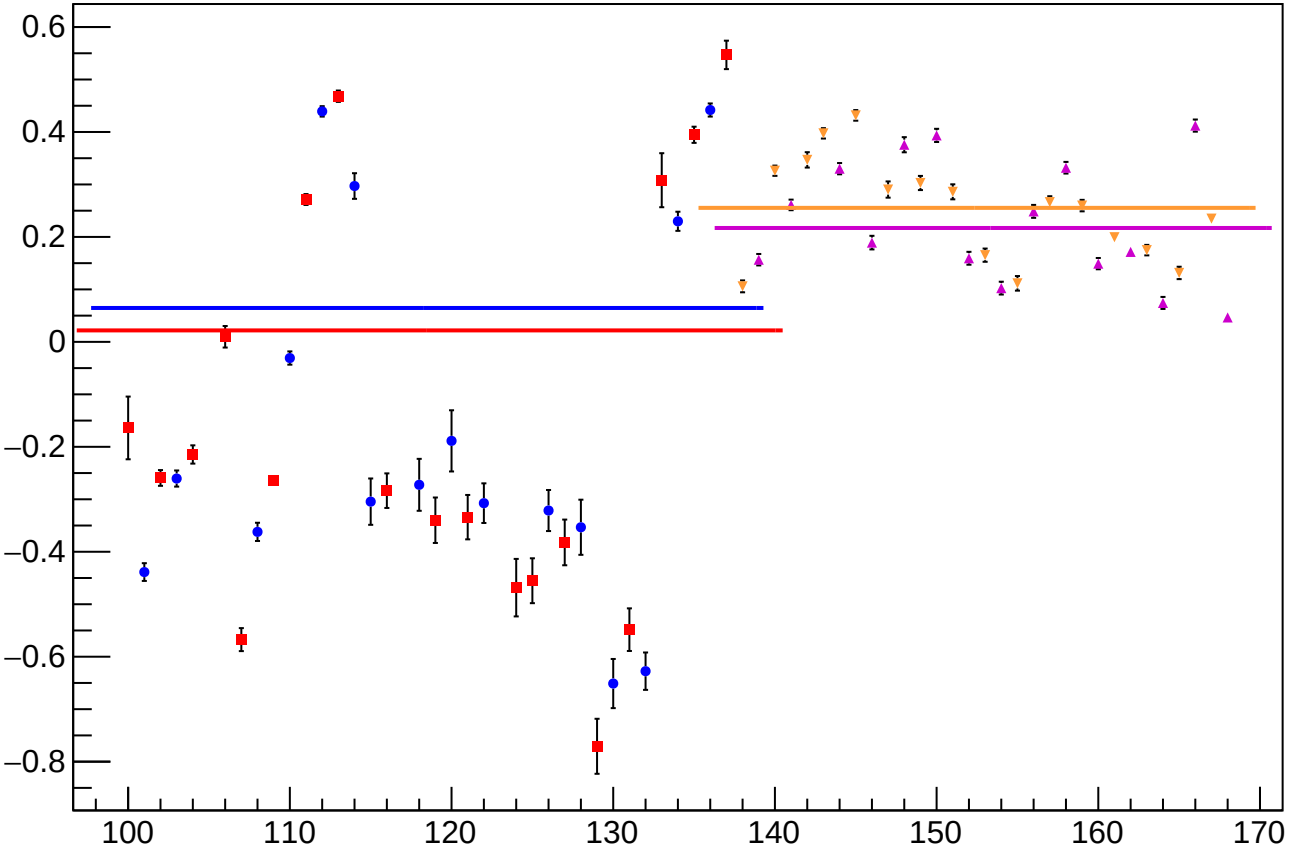
Left In: 41.348+/-0.065 χ^2/NDF:7256.4/14

+ sign 41.797+/-0.050 χ^2/NDF: 21445.6/31

All: 41.203+/-0.035 χ^2/NDF: 47283.4/65

- sign 40.608+/-0.050 χ^2/NDF: 25553.9/33

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.255+/-0.003 χ^2/NDF:1168.4/15

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

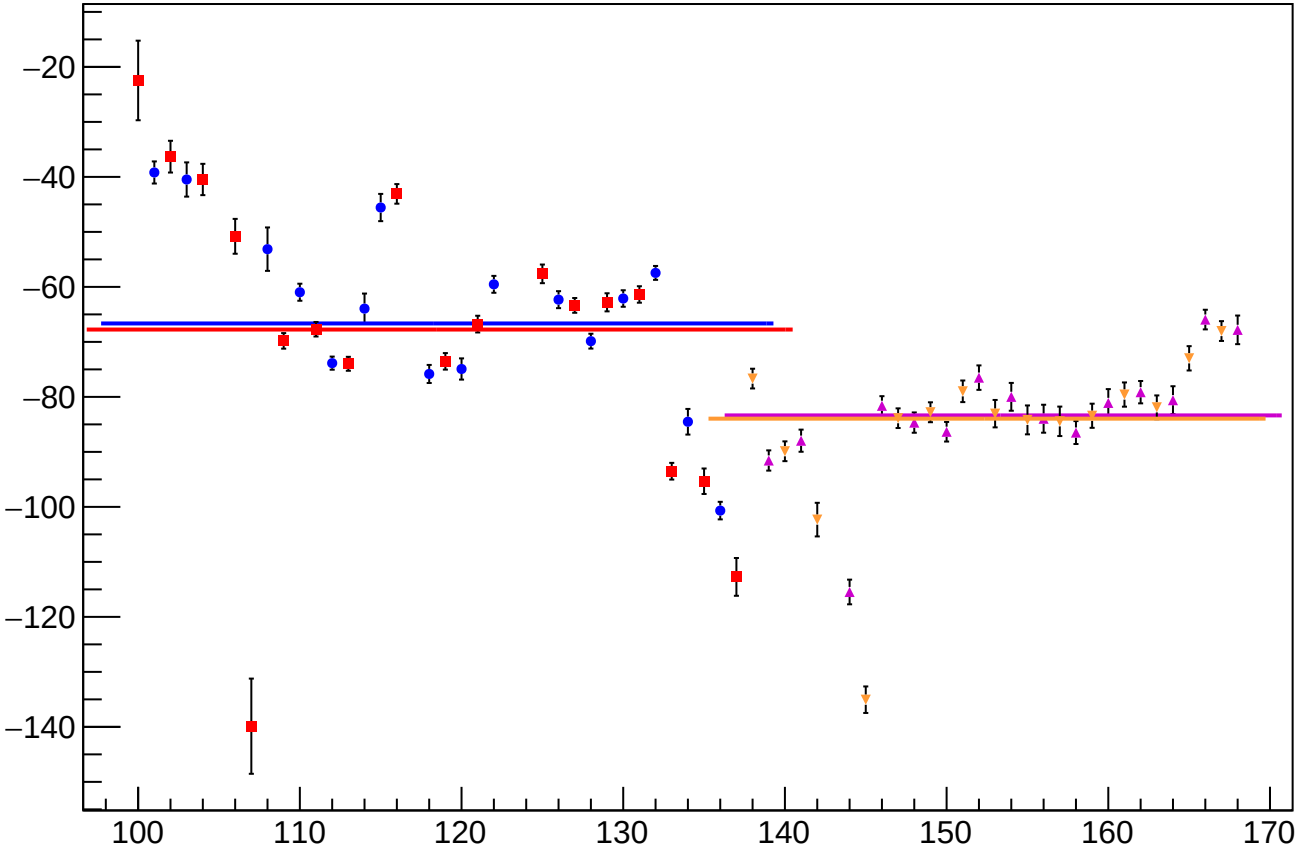
Left In: 0.217+/-0.003 χ^2/NDF:1521.3/14

+ sign 0.207+/-0.002 χ^2/NDF: 7821.3/31

All: 0.182+/-0.002 χ^2/NDF: 17326.6/65

- sign 0.157+/-0.002 χ^2/NDF: 9302.1/33

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -83.958+/-0.545 χ^2/NDF:627.5/14

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

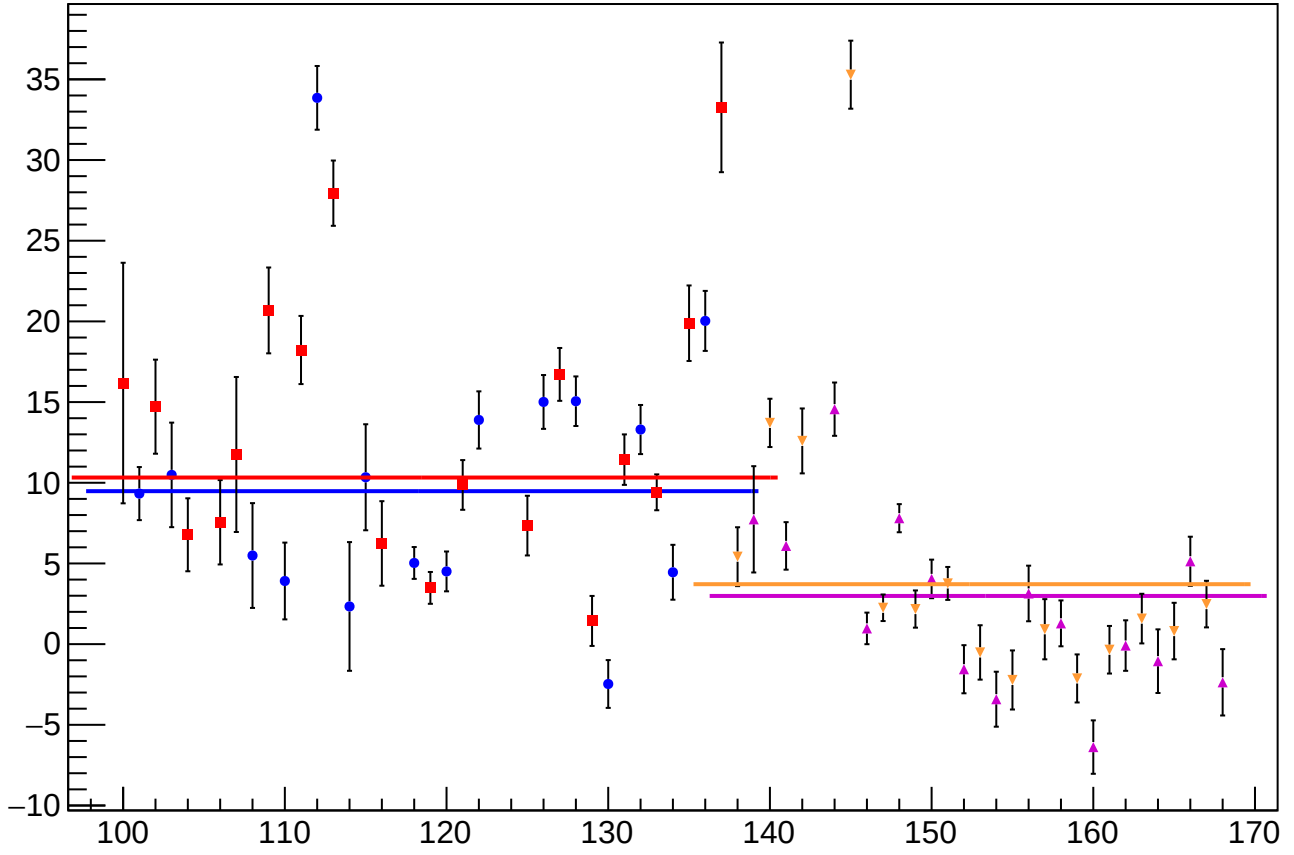
Left In: -83.366+/-0.539 χ^2/NDF:385.2/14

+ sign -73.209+/-0.336 χ^2/NDF: 2305.4/30

All: -73.427+/-0.236 χ^2/NDF: 4468.9/63

- sign -73.640+/-0.331 χ^2/NDF: 2162.7/32

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.714+/-0.365 χ^2/NDF:341.6/14

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

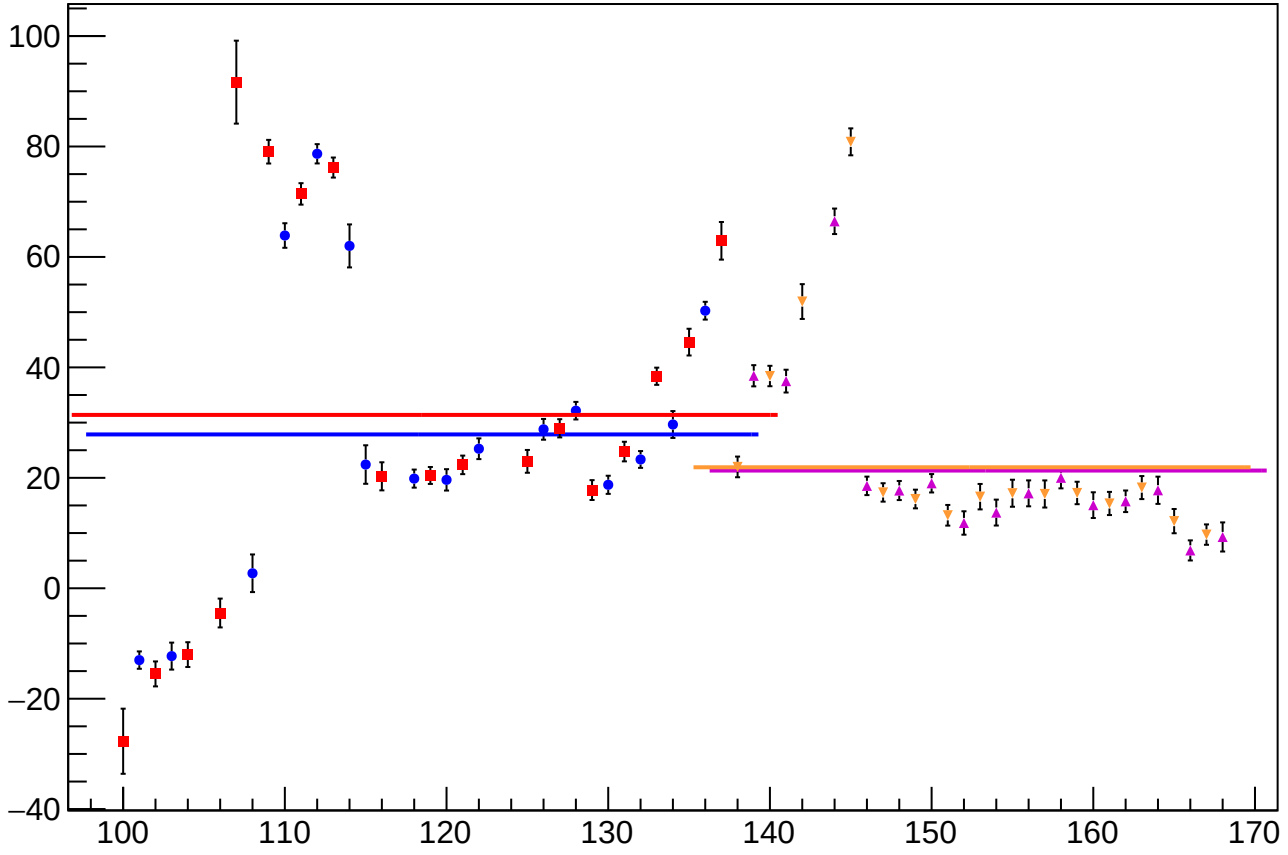
Left In: 2.987+/-0.370 χ^2/NDF:164.9/14

+ sign 6.145+/-0.278 χ^2/NDF: 788.5/30

All: 6.104+/-0.198 χ^2/NDF: 1381.6/63

- sign 6.062+/-0.282 χ^2/NDF: 593.1/32

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 21.910+/-0.530 χ^2/NDF:888.8/14

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

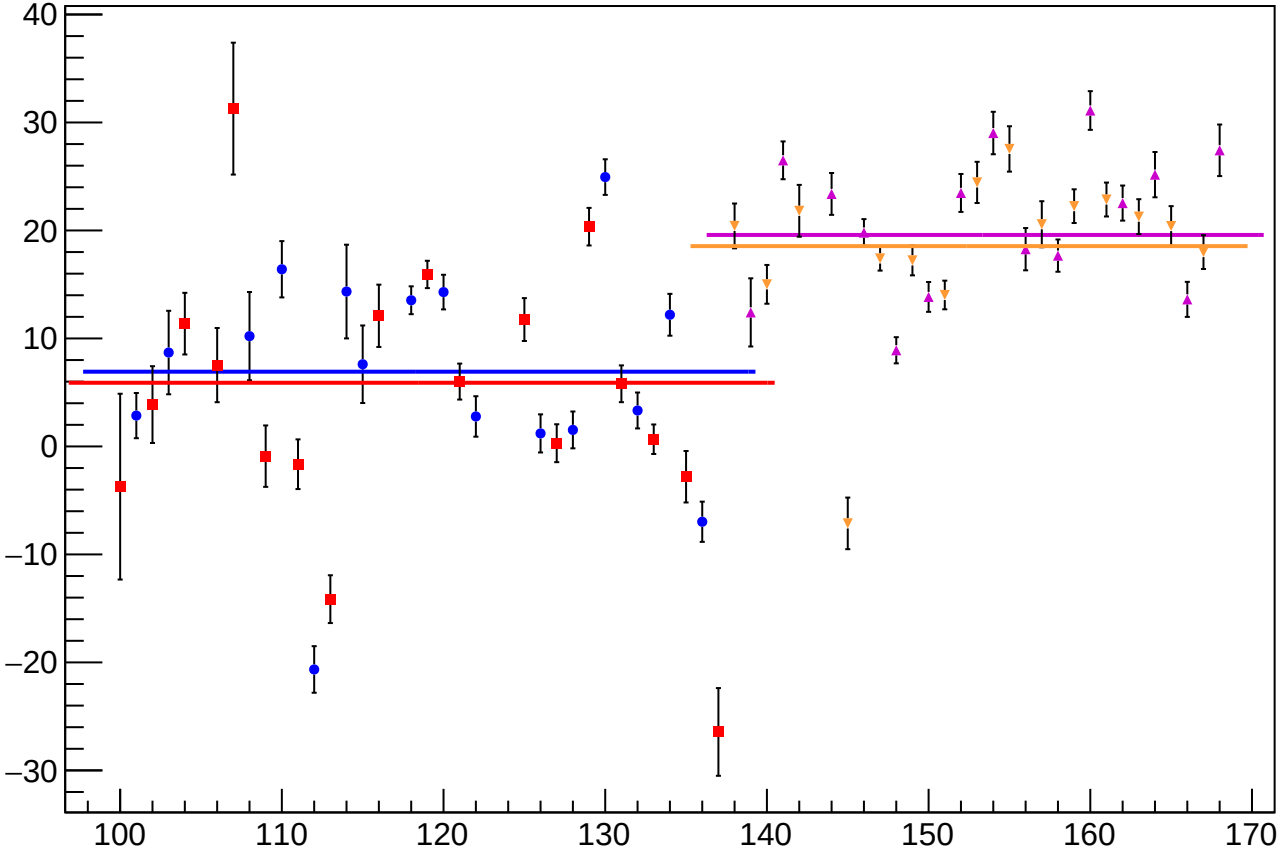
Left In: 21.319+/-0.523 χ^2/NDF:668.3/14

+ sign 25.163+/-0.357 χ^2/NDF: 3431.7/30

All: 25.935+/-0.252 χ^2/NDF: 7319.4/63

- sign 26.706+/-0.357 χ^2/NDF: 3878.4/32

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.550+/-0.431 χ^2/NDF:181.5/14

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

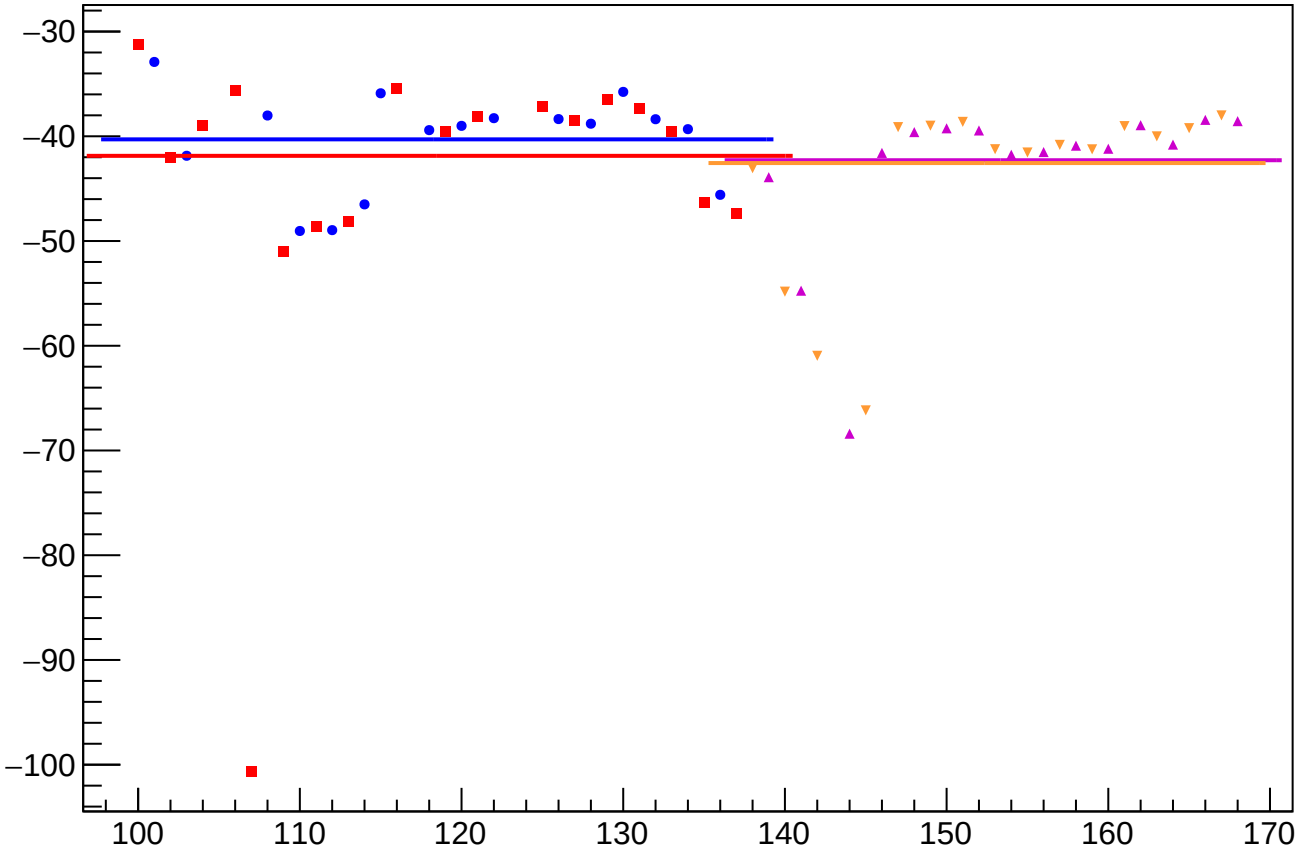
Left In: 19.584+/-0.434 χ^2/NDF:225.6/14

+ sign 13.545+/-0.325 χ^2/NDF: 939.4/30

All: 13.633+/-0.231 χ^2/NDF: 1958.4/63

- sign 13.723+/-0.328 χ^2/NDF: 1018.9/32

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -42.556+/-0.020 χ^2/NDF:121034.1/14

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

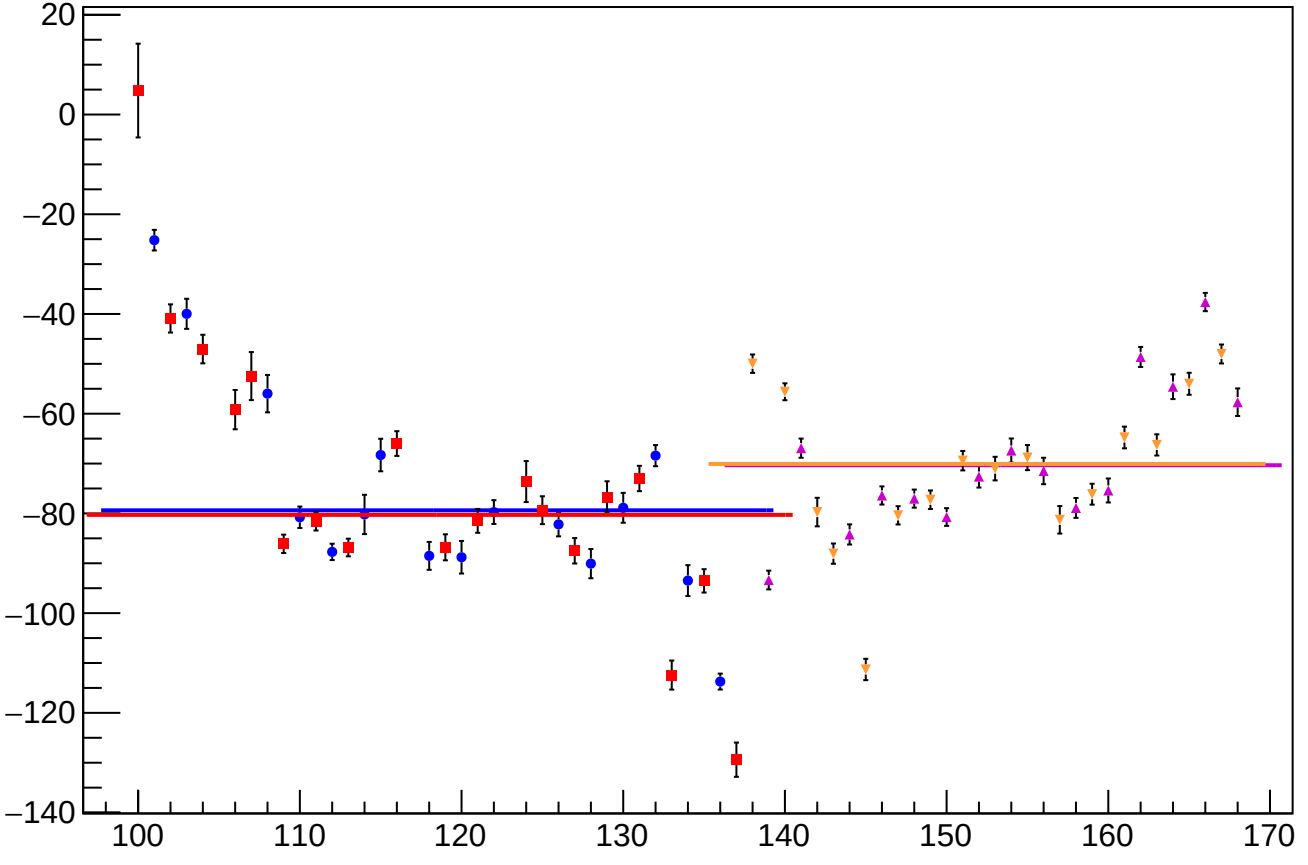
Left In: -42.287+/-0.020 χ^2/NDF:98270.1/14

+ sign -41.894+/-0.017 χ^2/NDF: 145372.5/30

All: -42.034+/-0.012 χ^2/NDF: 302635.1/63

- sign -42.171+/-0.017 χ^2/NDF: 157128.6/32

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -70.077+/-0.521 χ^2/NDF:921.7/15

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

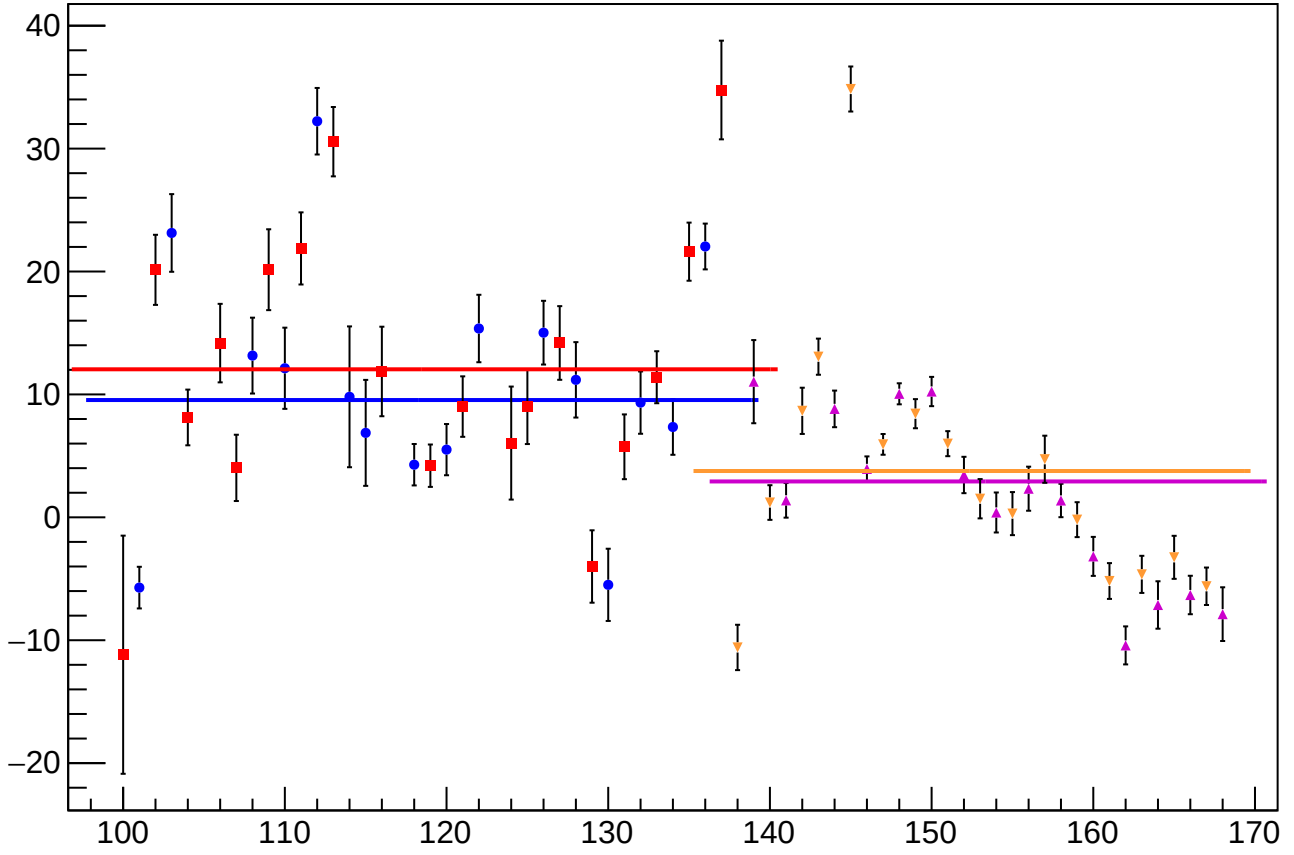
Left In: -70.337+/-0.534 χ^2/NDF:781.2/14

+ sign -73.994+/-0.396 χ^2/NDF: 2531.9/31

All: -74.347+/-0.282 χ^2/NDF: 4381.8/65

- sign -74.708+/-0.400 χ^2/NDF: 1848.3/33

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 3.768+/-0.352 χ^2/NDF:562.1/15

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

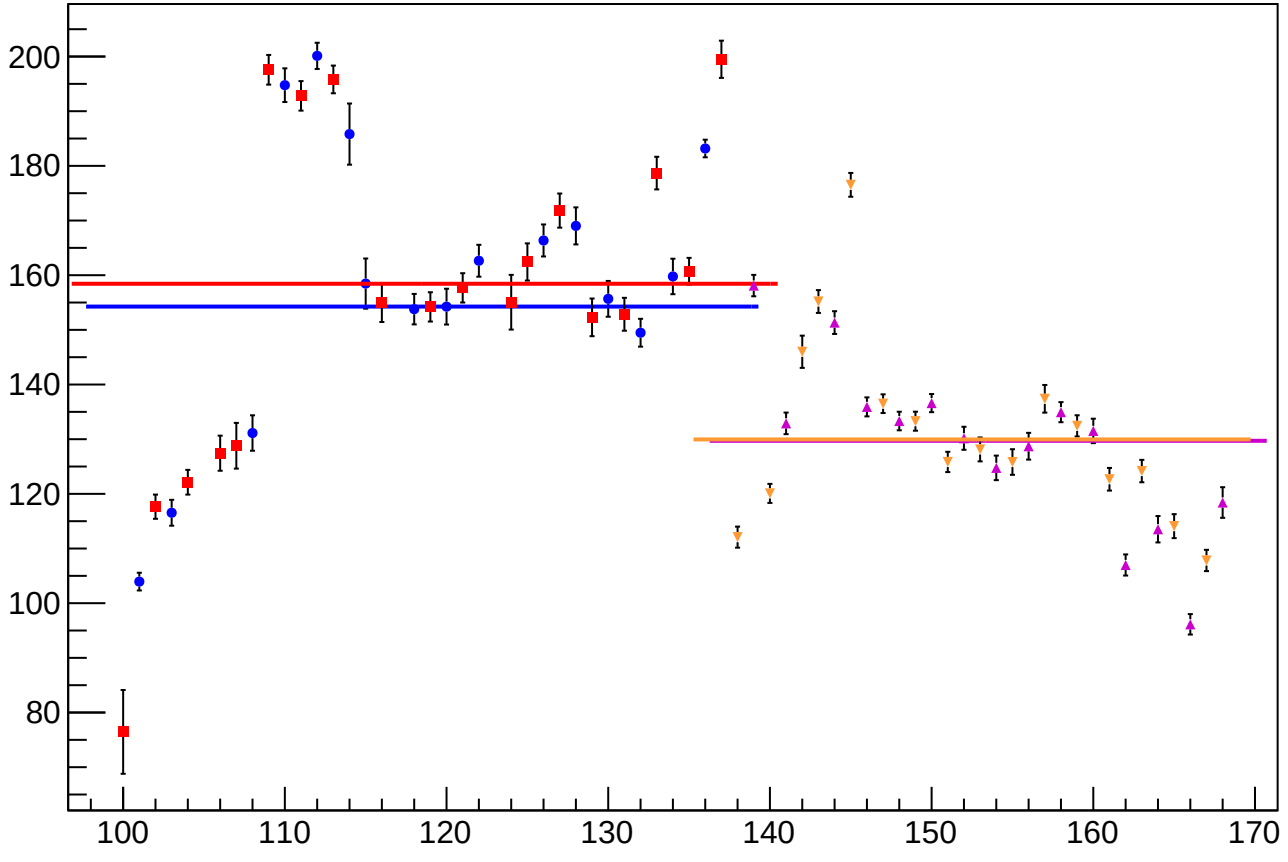
Left In: 2.919+/-0.366 χ^2/NDF:310.3/14

+ sign 5.171+/-0.306 χ^2/NDF: 894.5/31

All: 5.177+/-0.220 χ^2/NDF: 1555.0/65

- sign 5.184+/-0.317 χ^2/NDF: 660.4/33

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 129.956+/-0.508 χ^2/NDF:990.7/15

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

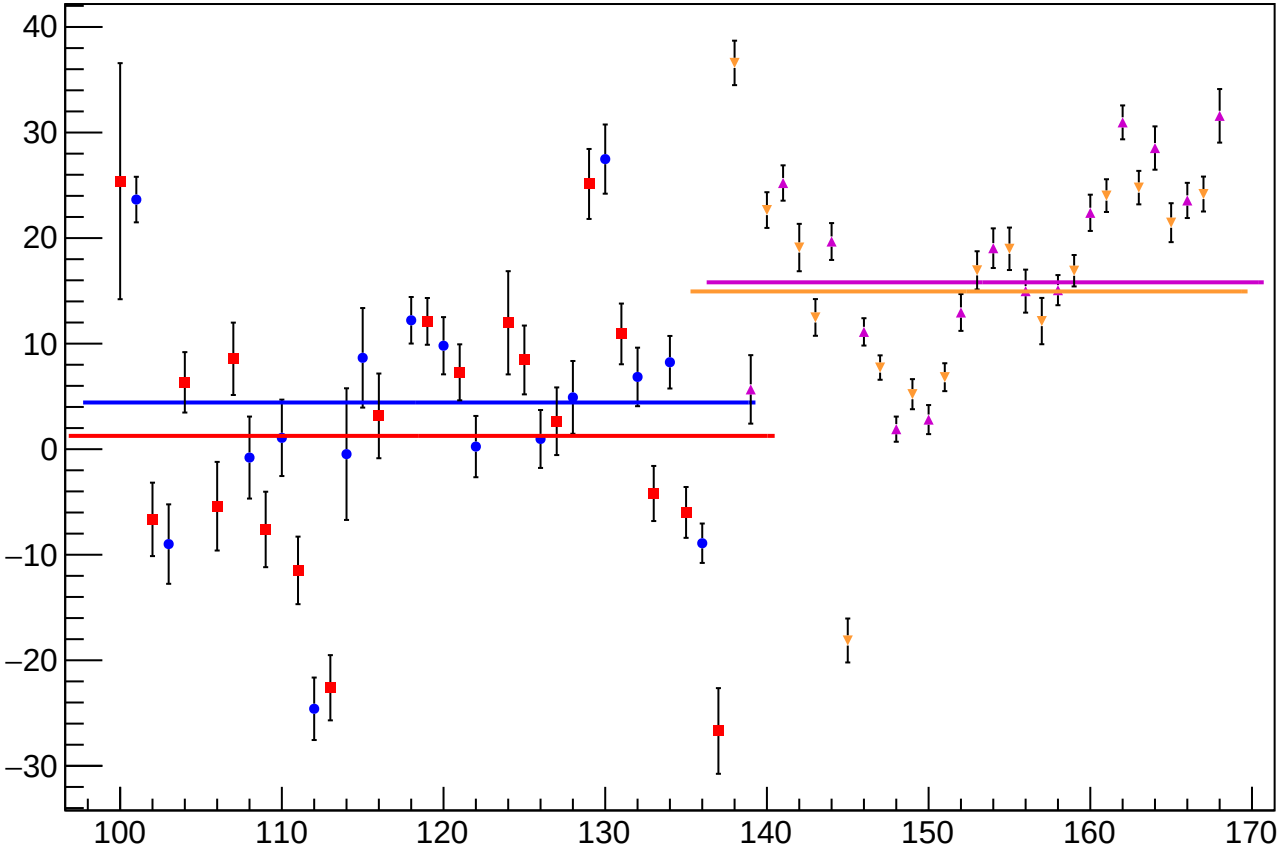
Left In: 129.705+/-0.518 χ^2/NDF:891.0/14

+ sign 138.971+/-0.403 χ^2/NDF: 4053.0/31

All: 139.571+/-0.288 χ^2/NDF: 7737.1/65

- sign 140.200+/-0.413 χ^2/NDF: 3679.6/33

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 14.946+/-0.414 χ^2/NDF:632.3/15

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

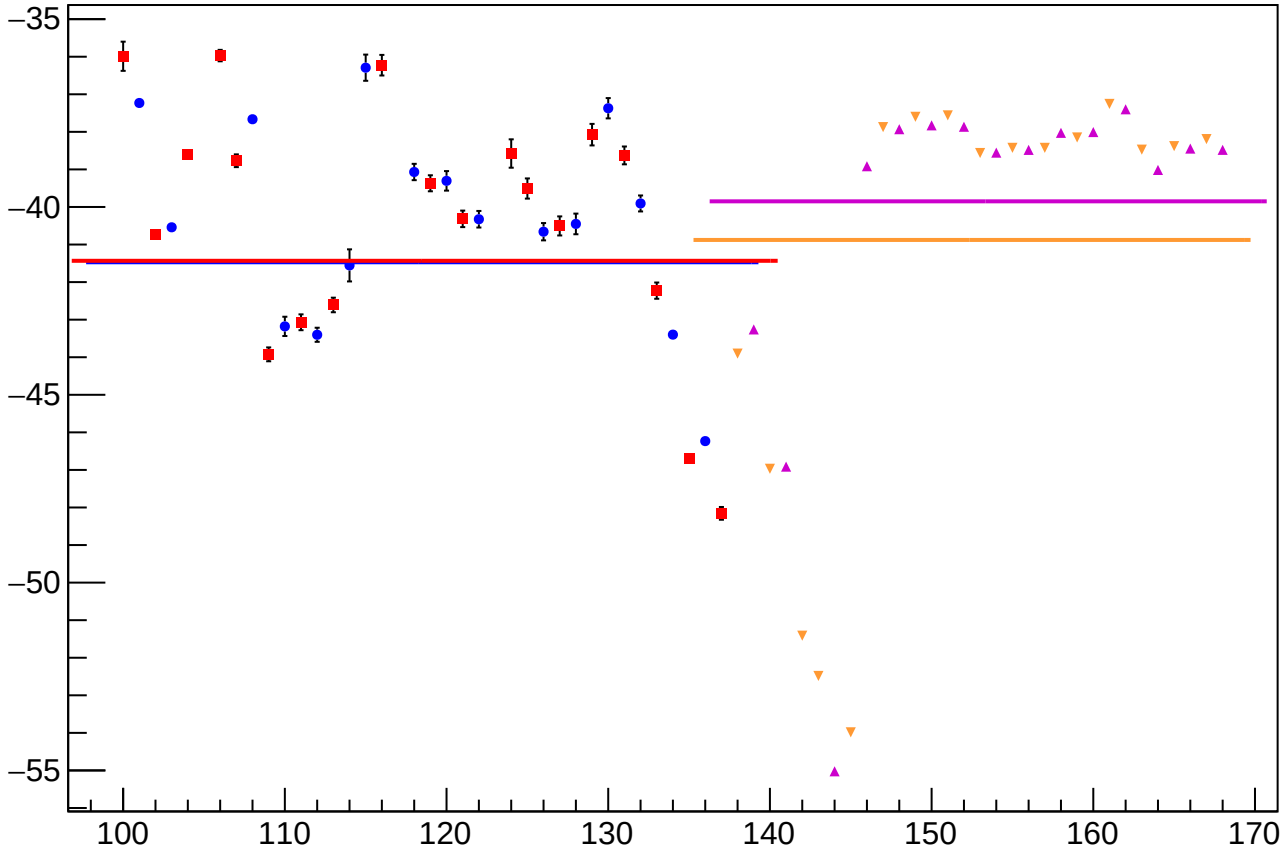
Left In: 15.809+/-0.429 χ^2/NDF:493.3/14

+ sign 12.297+/-0.358 χ^2/NDF: 1110.8/31

All: 12.194+/-0.257 χ^2/NDF: 2163.4/65

- sign 12.084+/-0.370 χ^2/NDF: 1052.4/33

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -40.878+/-0.019 χ^2/NDF:72281.4/15

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

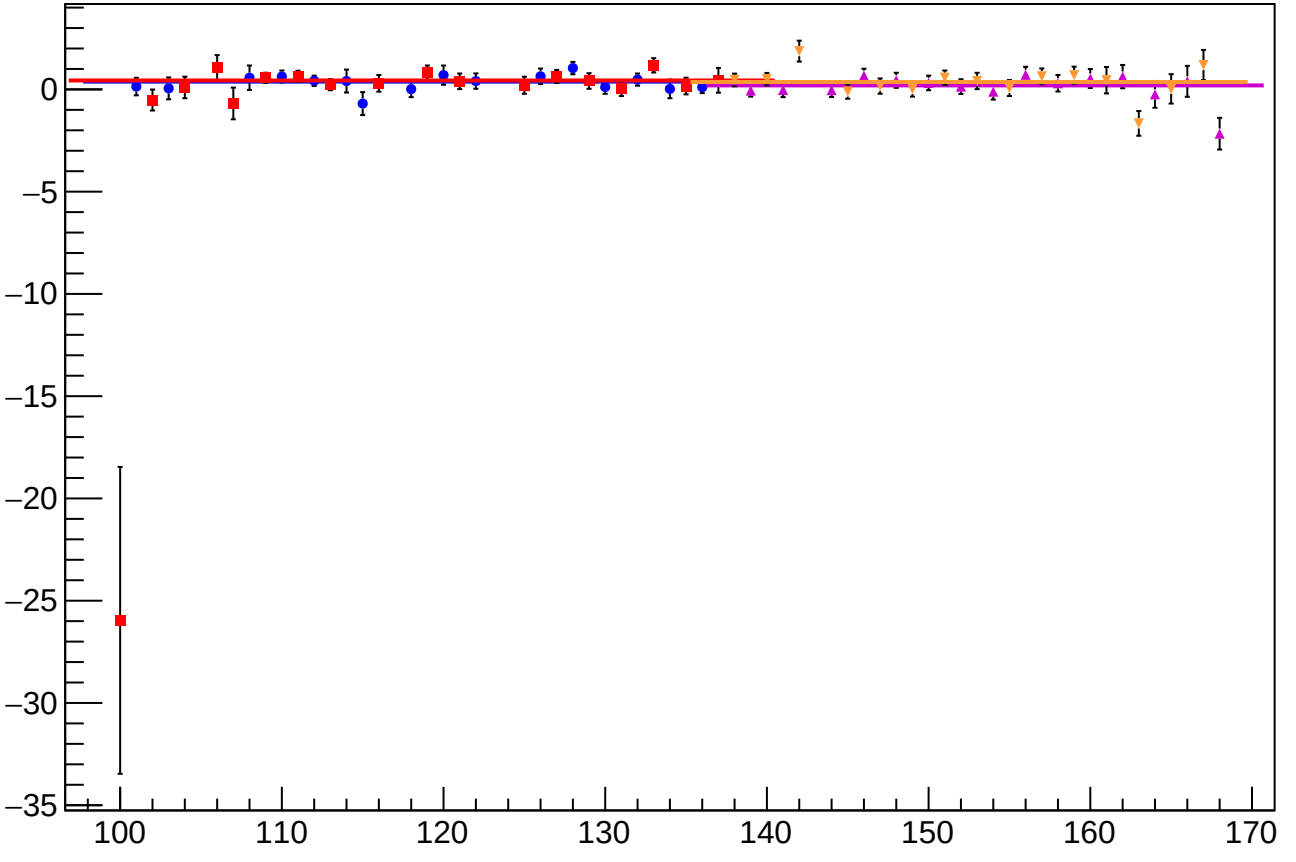
Left In: -39.850+/-0.020 χ^2/NDF:42845.6/14

+ sign -41.001+/-0.017 χ^2/NDF: 80386.2/31

All: -40.588+/-0.012 χ^2/NDF: 133894.6/65

- sign -40.163+/-0.018 χ^2/NDF: 52358.2/33

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.362+/-0.106 χ^2/NDF:26.7/14

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

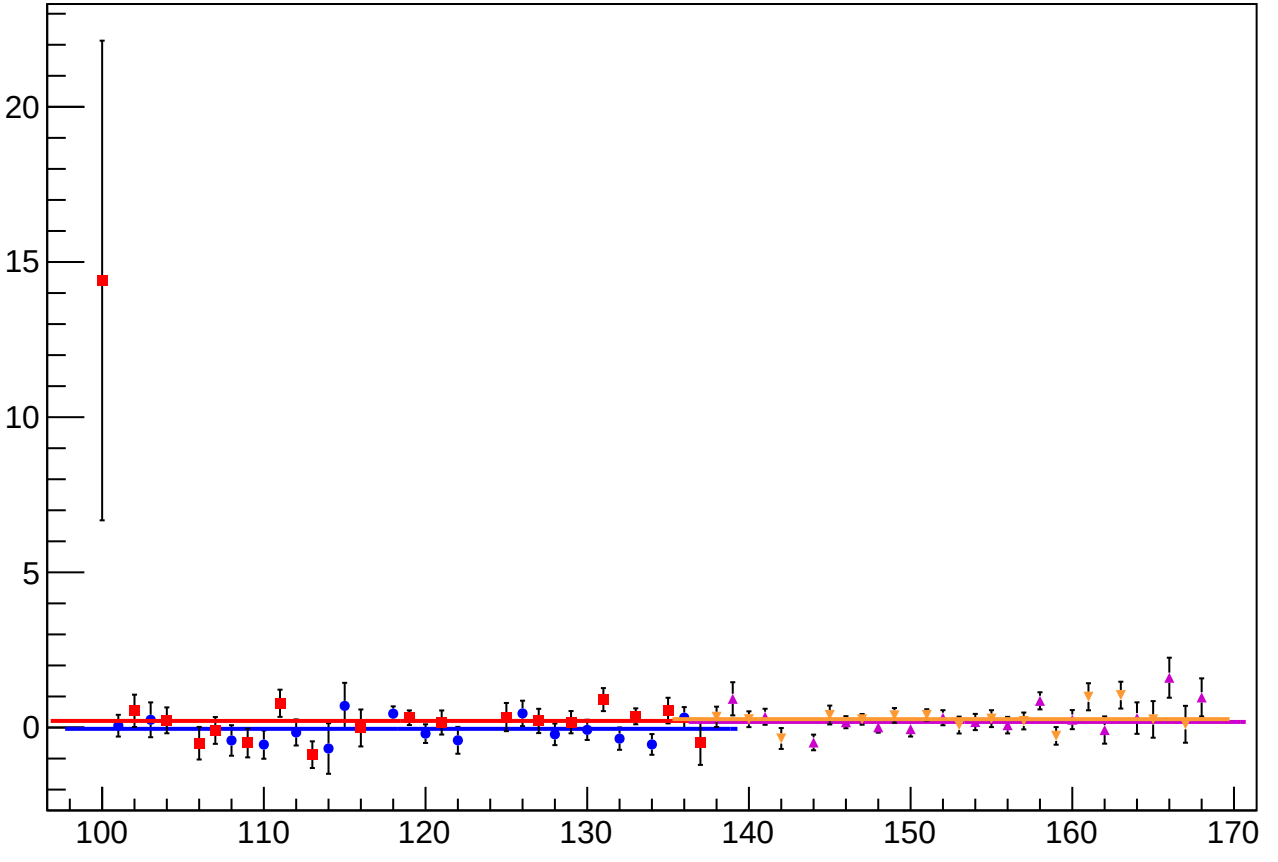
Left In: 0.196+/-0.104 χ^2/NDF:17.5/14

+ sign 0.373+/-0.069 χ^2/NDF: 40.7/30

All: 0.353+/-0.049 χ^2/NDF: 90.4/63

- sign 0.333+/-0.068 χ^2/NDF: 49.5/32

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.270+/-0.072 χ^2/NDF:14.6/14

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

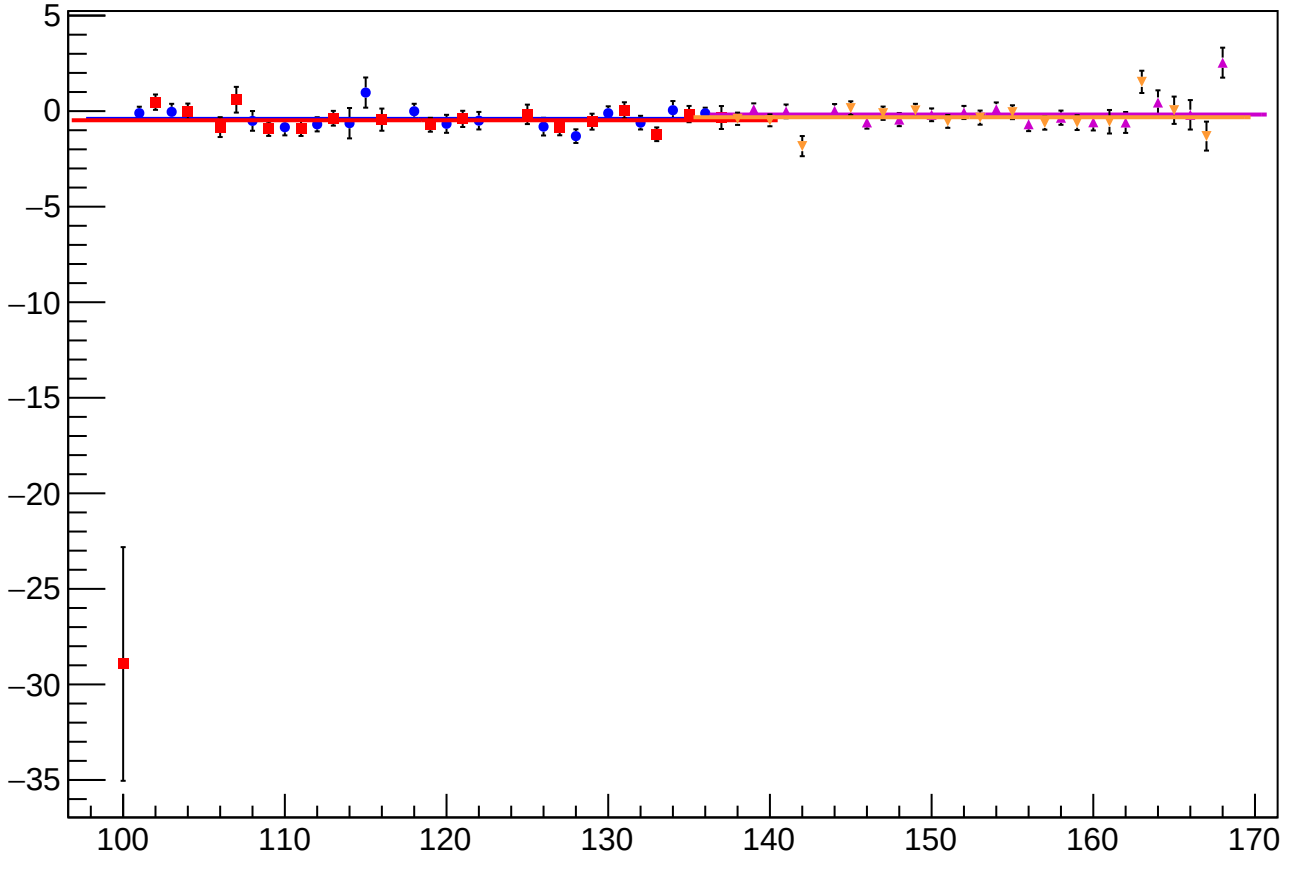
Left In: 0.180+/-0.072 χ^2/NDF:24.7/14

+ sign 0.155+/-0.057 χ^2/NDF: 36.6/30

All: 0.174+/-0.040 χ^2/NDF: 84.0/63

- sign 0.192+/-0.057 χ^2/NDF: 47.1/32

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.320+/-0.102 χ^2/NDF:26.1/14

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

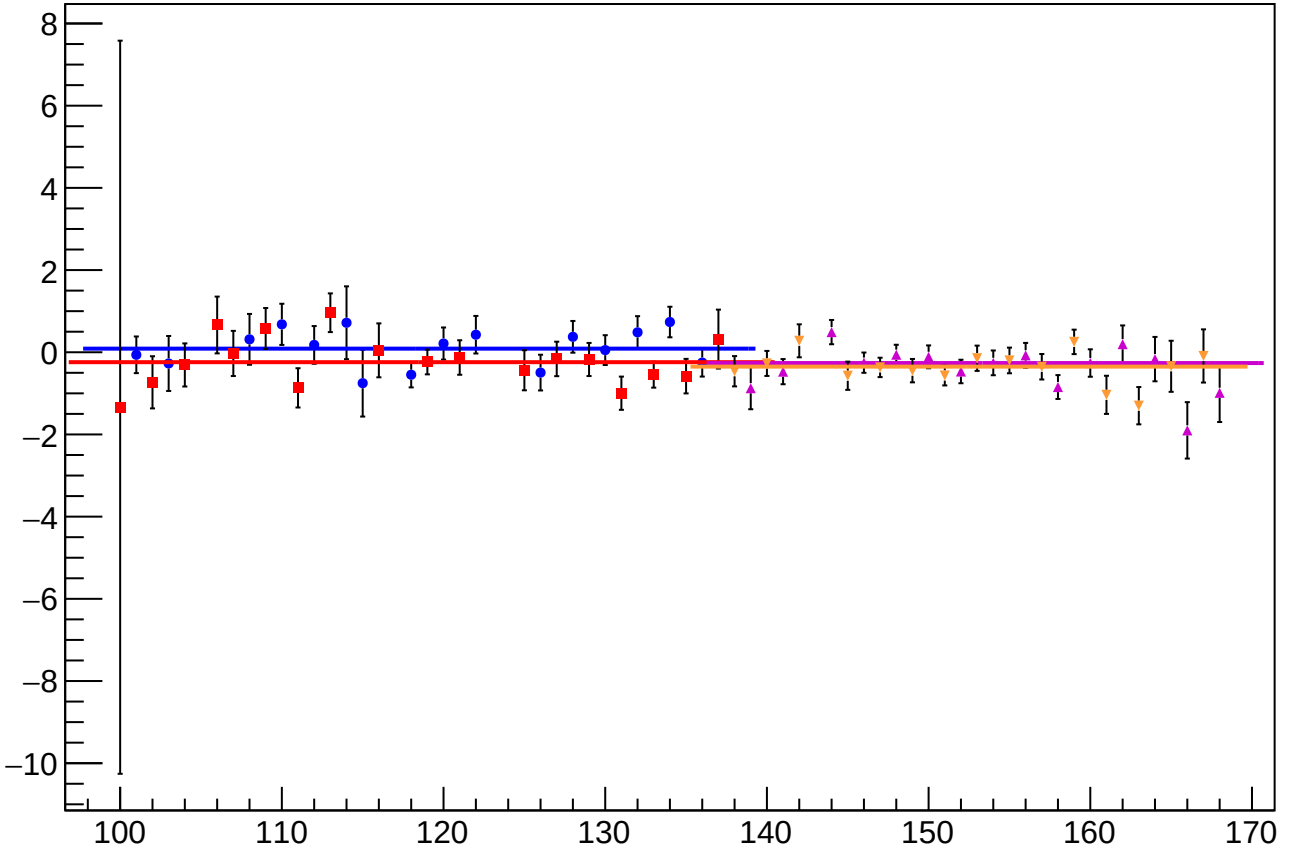
Left In: -0.179+/-0.101 χ^2/NDF:20.8/14

+ sign -0.362+/-0.073 χ^2/NDF: 44.2/30

All: -0.343+/-0.051 χ^2/NDF: 111.6/63

- sign -0.323+/-0.072 χ^2/NDF: 67.3/32

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.349+/-0.085 χ^2/NDF:15.5/14

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

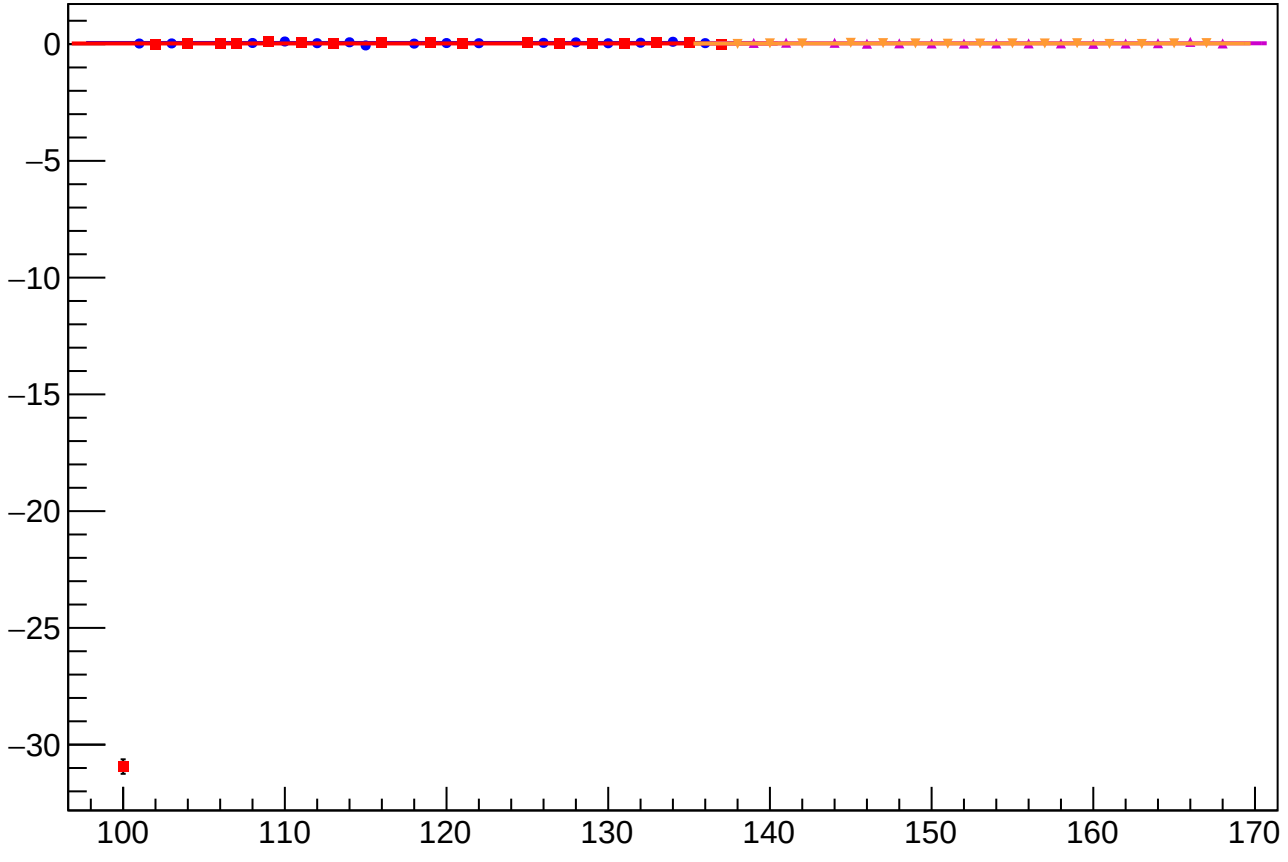
Left In: -0.263+/-0.085 χ^2/NDF:22.1/14

+ sign -0.182+/-0.067 χ^2/NDF: 41.4/30

All: -0.218+/-0.047 χ^2/NDF: 83.7/63

- sign -0.255+/-0.067 χ^2/NDF: 41.8/32

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.027+/-0.004 χ^2/NDF:10.6/14

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

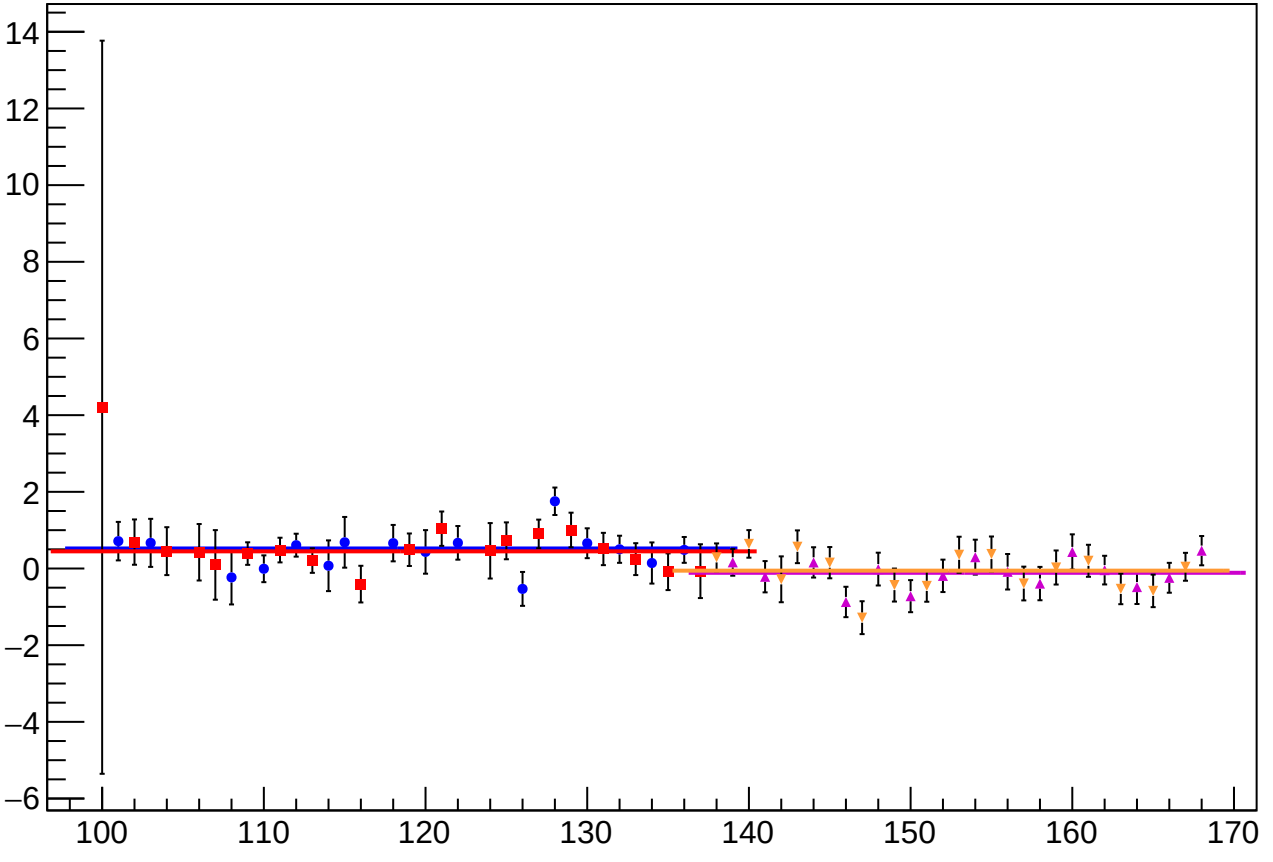
Left In: 0.036+/-0.004 χ^2/NDF:15.9/14

+ sign 0.033+/-0.003 χ^2/NDF: 38.2/30

All: 0.033+/-0.002 χ^2/NDF: 10076.2/63

- sign 0.034+/-0.003 χ^2/NDF: 10038.0/32

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.056+/-0.105 χ^2/NDF:22.8/15

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

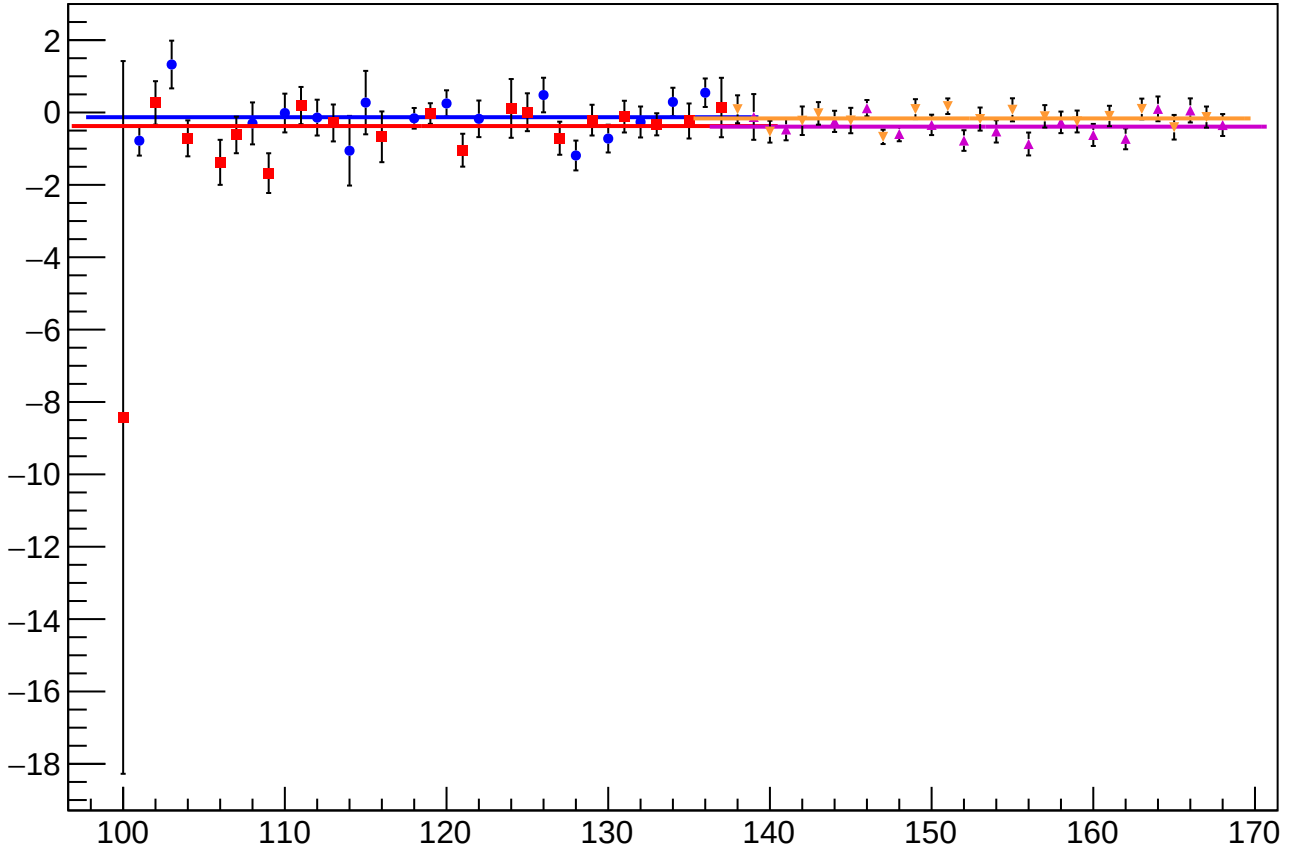
Left In: -0.112+/-0.106 χ^2/NDF:12.8/14

+ sign 0.223+/-0.075 χ^2/NDF: 60.1/31

All: 0.197+/-0.053 χ^2/NDF: 98.6/65

- sign 0.170+/-0.075 χ^2/NDF: 38.3/33

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.164+/-0.073 χ^2/NDF:14.2/15

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

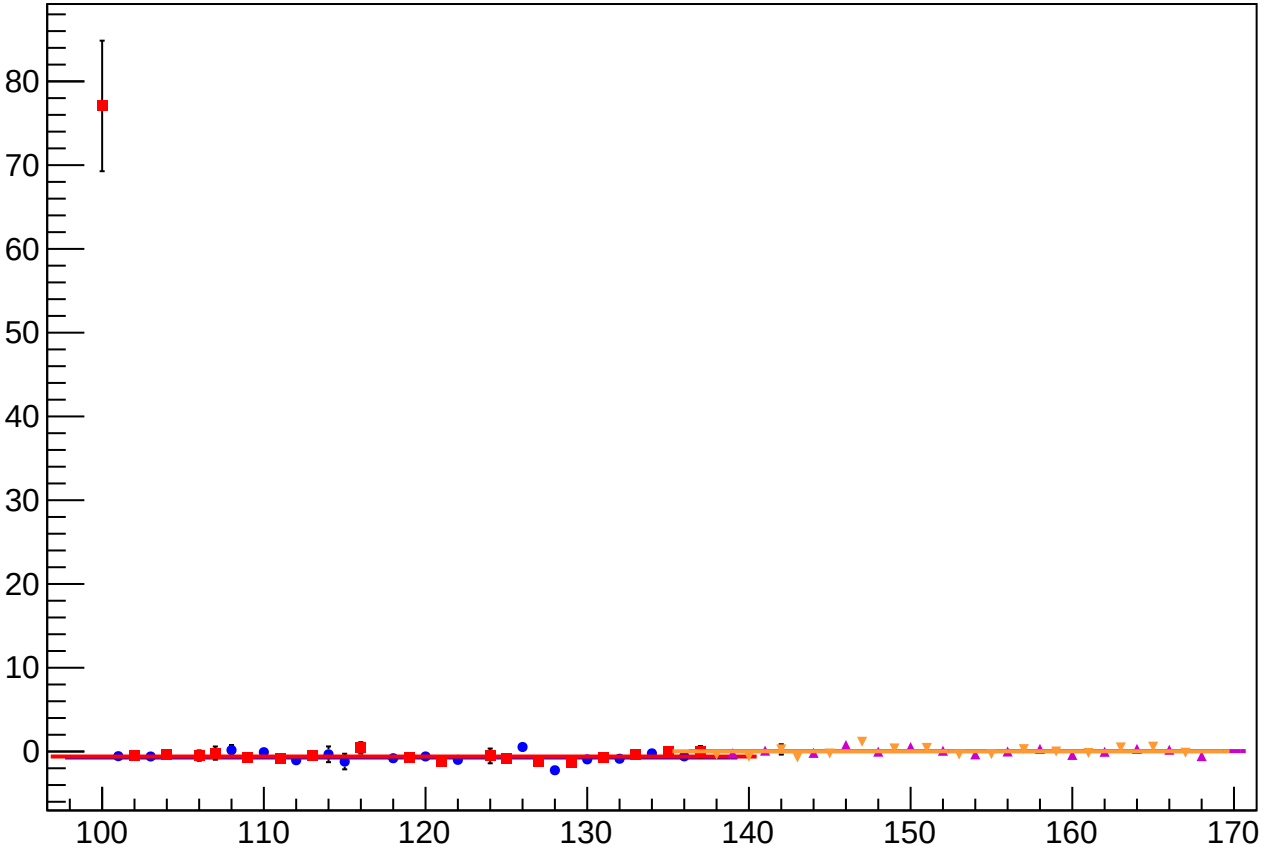
Left In: -0.391+/-0.075 χ^2/NDF:17.0/14

+ sign -0.154+/-0.061 χ^2/NDF: 38.9/31

All: -0.268+/-0.044 χ^2/NDF: 81.2/65

- sign -0.386+/-0.062 χ^2/NDF: 35.2/33

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: 0.029+/-0.102 χ^2/NDF:22.9/15

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

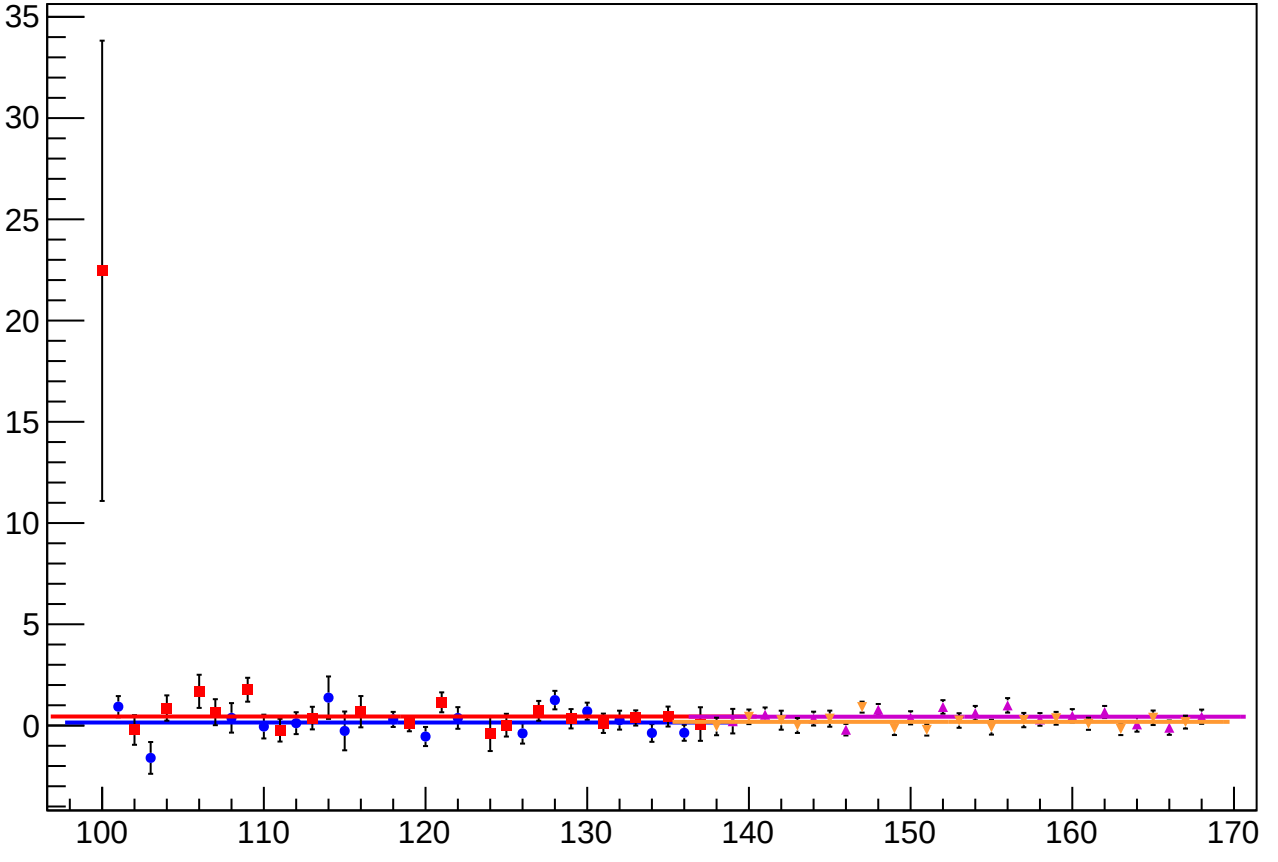
Left In: 0.050+/-0.103 χ^2/NDF:11.4/14

+ sign -0.279+/-0.078 χ^2/NDF: 69.5/31

All: -0.250+/-0.055 χ^2/NDF: 208.6/65

- sign -0.220+/-0.079 χ^2/NDF: 138.8/33

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.181+/-0.085 χ^2/NDF:14.1/15

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

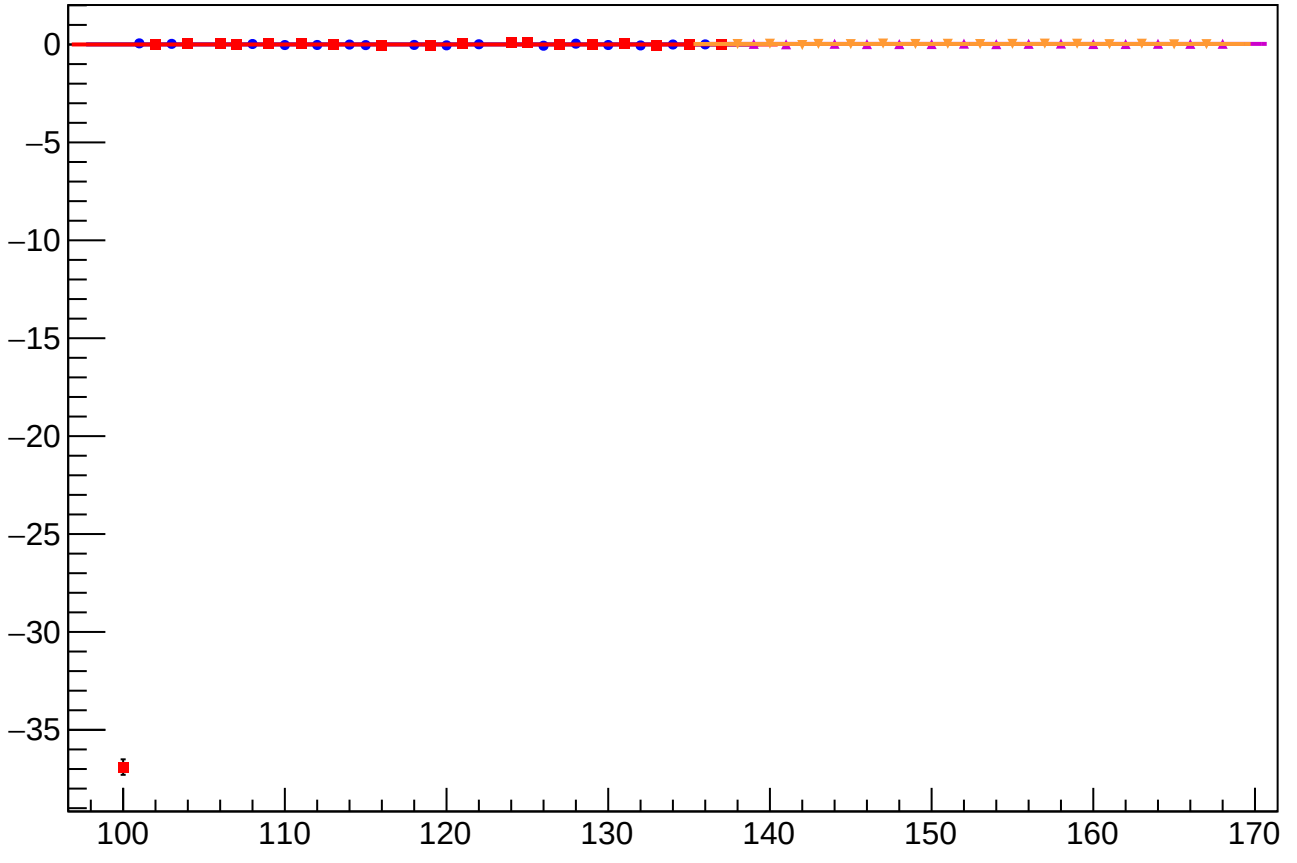
Left In: 0.435+/-0.087 χ^2/NDF:15.9/14

+ sign 0.171+/-0.071 χ^2/NDF: 37.4/31

All: 0.302+/-0.050 χ^2/NDF: 80.0/65

- sign 0.438+/-0.072 χ^2/NDF: 35.6/33

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.028+/-0.004 χ^2/NDF:13.3/15

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

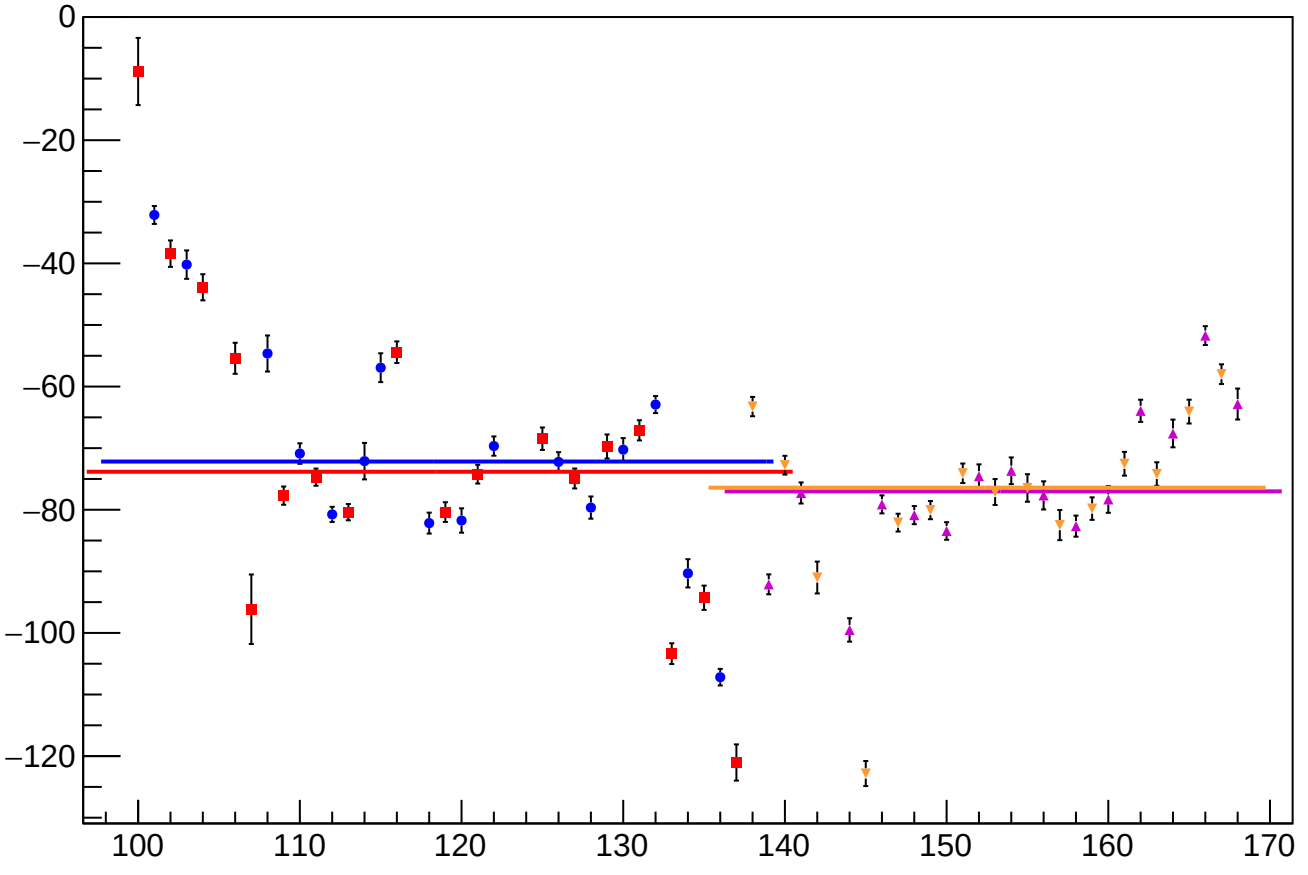
Left In: 0.031+/-0.004 χ^2/NDF:5.8/14

+ sign 0.023+/-0.003 χ^2/NDF: 37.4/31

All: 0.024+/-0.002 χ^2/NDF: 8808.7/65

- sign 0.025+/-0.003 χ^2/NDF: 8771.1/33

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -76.415+/-0.463 χ^2/NDF:841.4/14

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

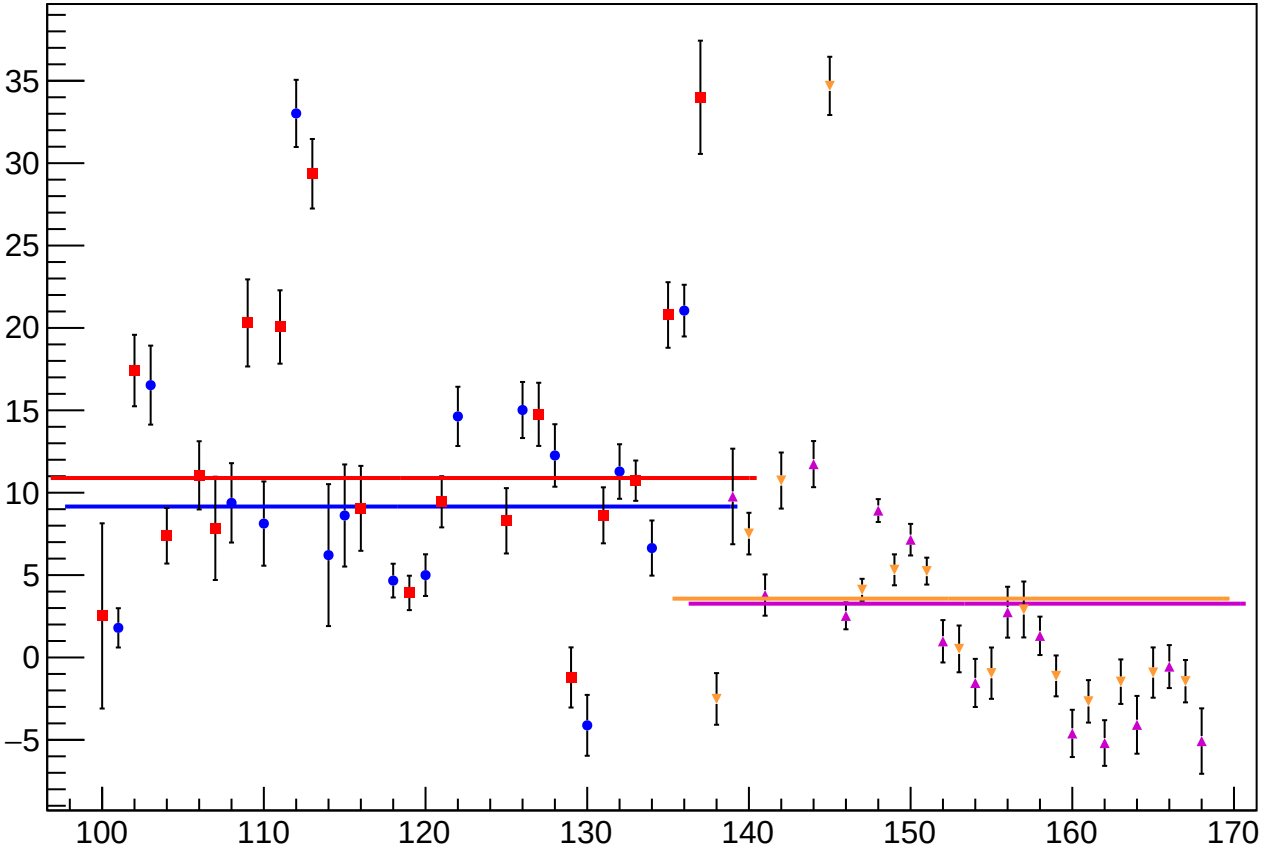
Left In: -77.016+/-0.460 χ^2/NDF:646.7/14

+ sign -74.146+/-0.316 χ^2/NDF: 2822.2/30

All: -74.736+/-0.223 χ^2/NDF: 5059.2/63

- sign -75.320+/-0.314 χ^2/NDF: 2230.0/32

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 3.571+/-0.306 χ^2/NDF:449.4/14

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

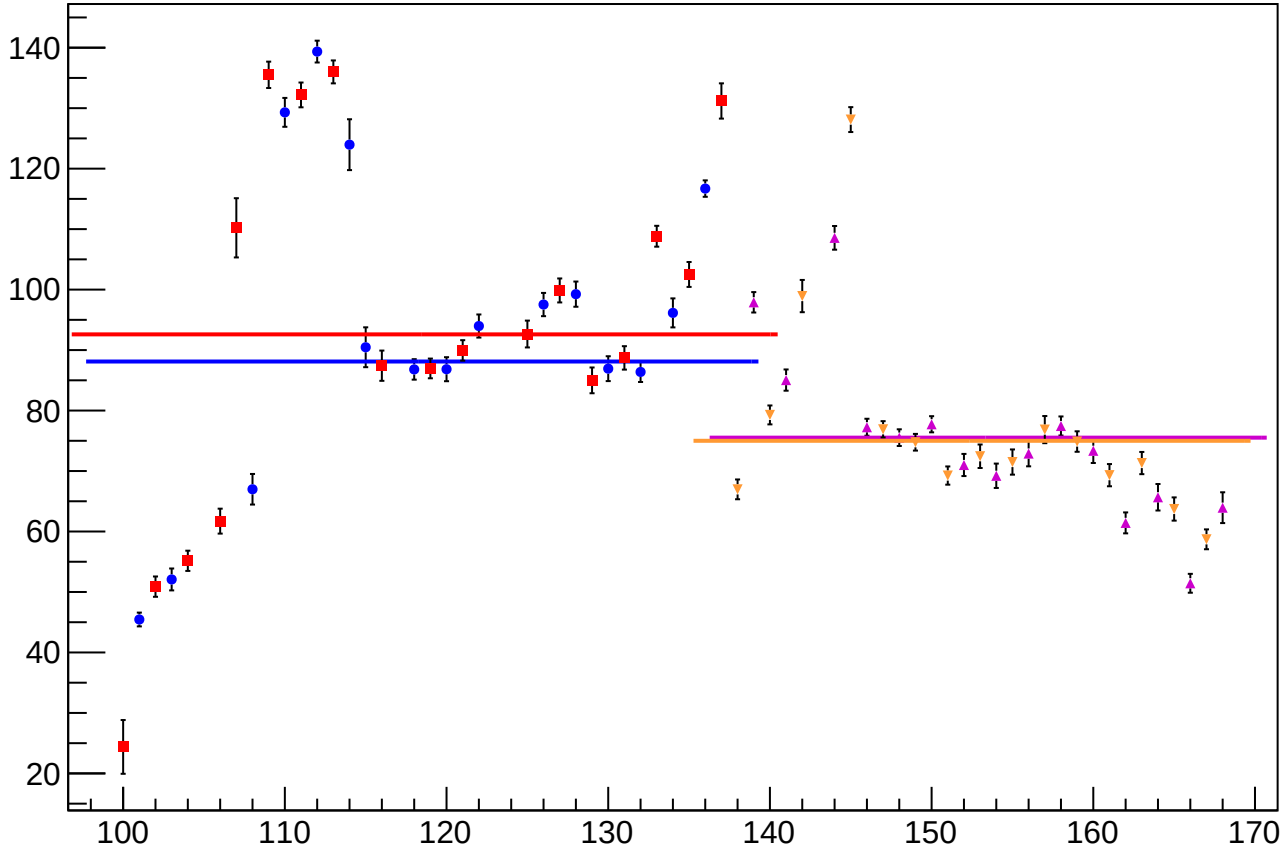
Left In: 3.265+/-0.311 χ^2/NDF:253.3/14

\+ sign 5.479+/-0.248 χ^2/NDF: 915.4/30

All: 5.639+/-0.178 χ^2/NDF: 1660.0/63

\- sign 5.806+/-0.254 χ^2/NDF: 743.7/32

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 75.000+/-0.449 χ^2/NDF:946.1/14

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

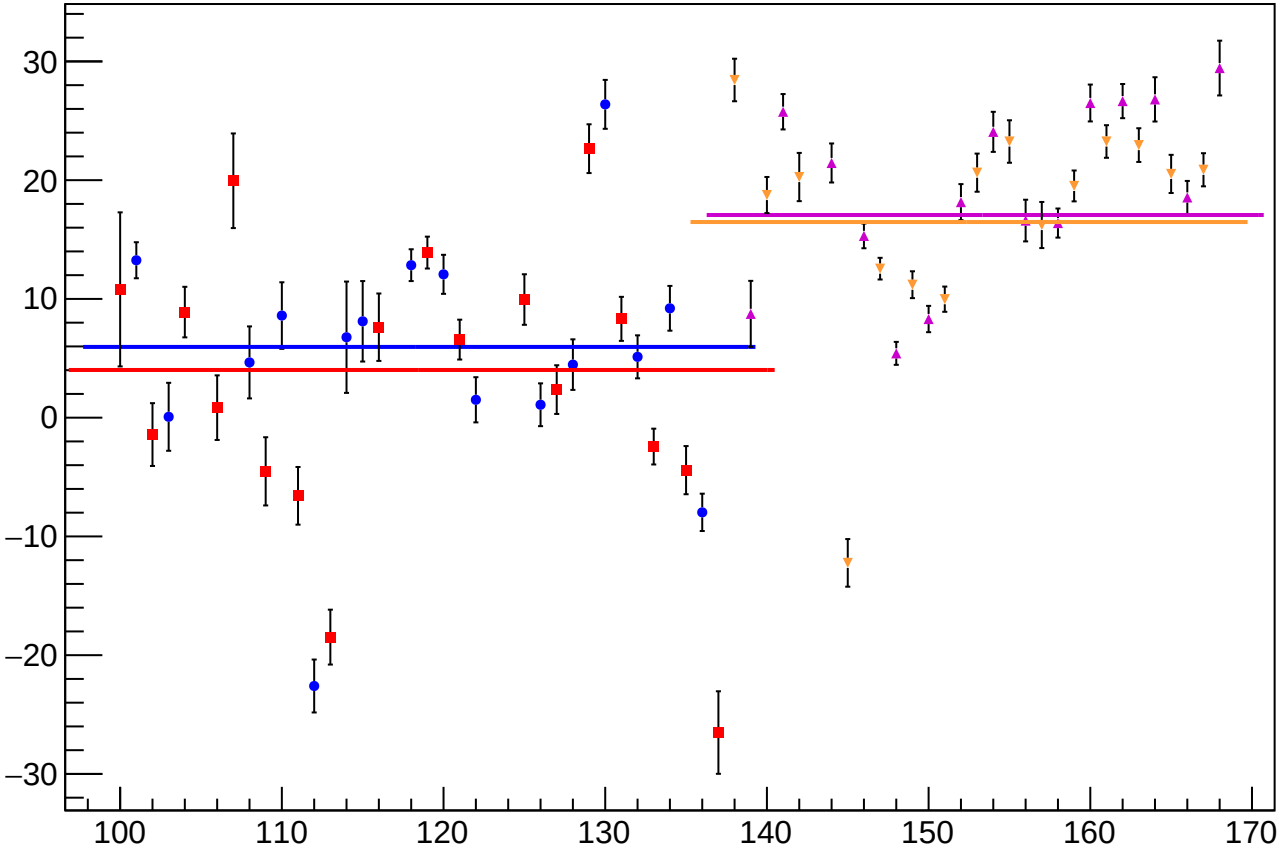
Left In: 75.519+/-0.445 χ^2/NDF:859.7/14

+ sign 81.281+/-0.324 χ^2/NDF: 4915.5/30

All: 82.307+/-0.230 χ^2/NDF: 9682.7/63

- sign 83.352+/-0.327 χ^2/NDF: 4747.0/32

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 16.475+/-0.363 χ^2/NDF:420.9/14

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

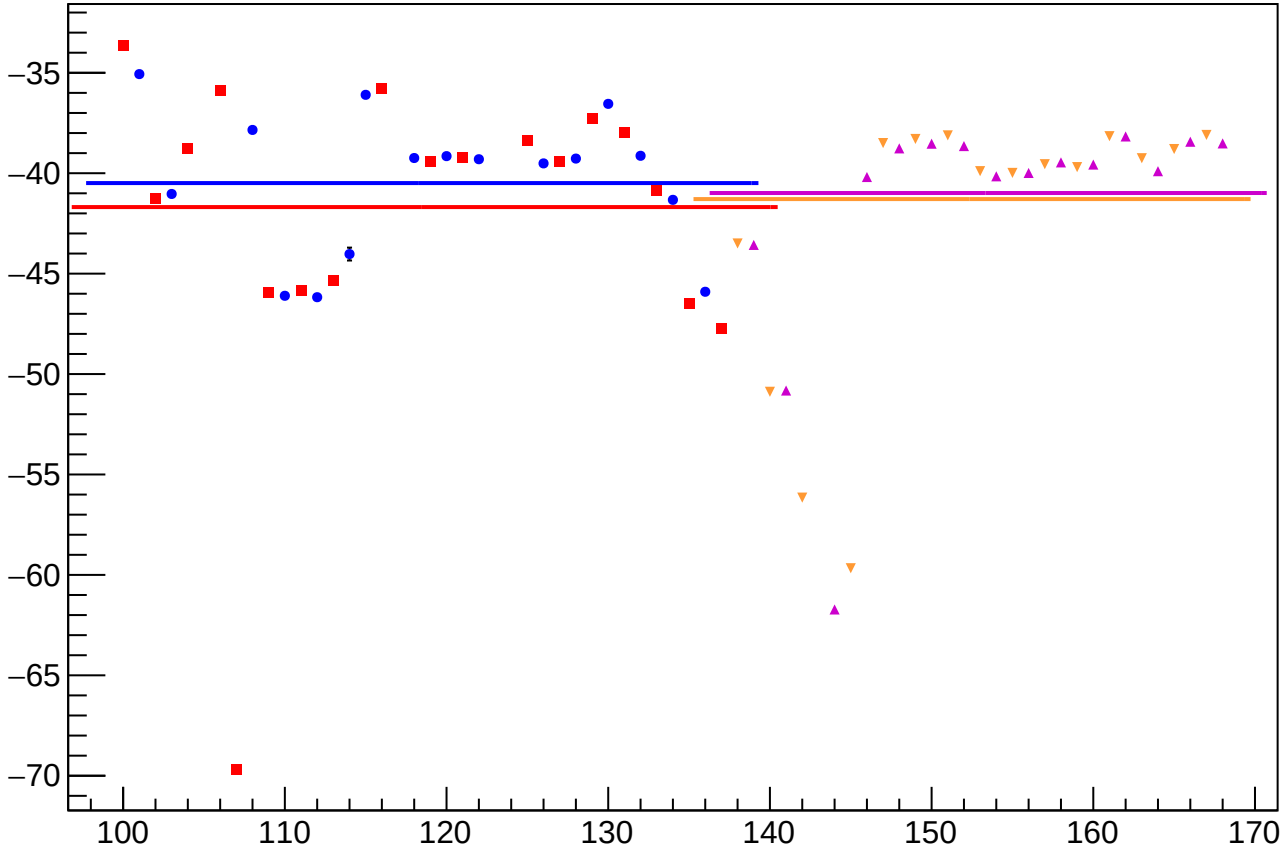
Left In: 17.066+/-0.367 χ^2/NDF:417.5/14

+ sign 12.795+/-0.293 χ^2/NDF: 1141.5/30

All: 12.705+/-0.209 χ^2/NDF: 2408.7/63

- sign 12.611+/-0.298 χ^2/NDF: 1267.0/32

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -41.288+/-0.017 χ^2/NDF:106671.6/14

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

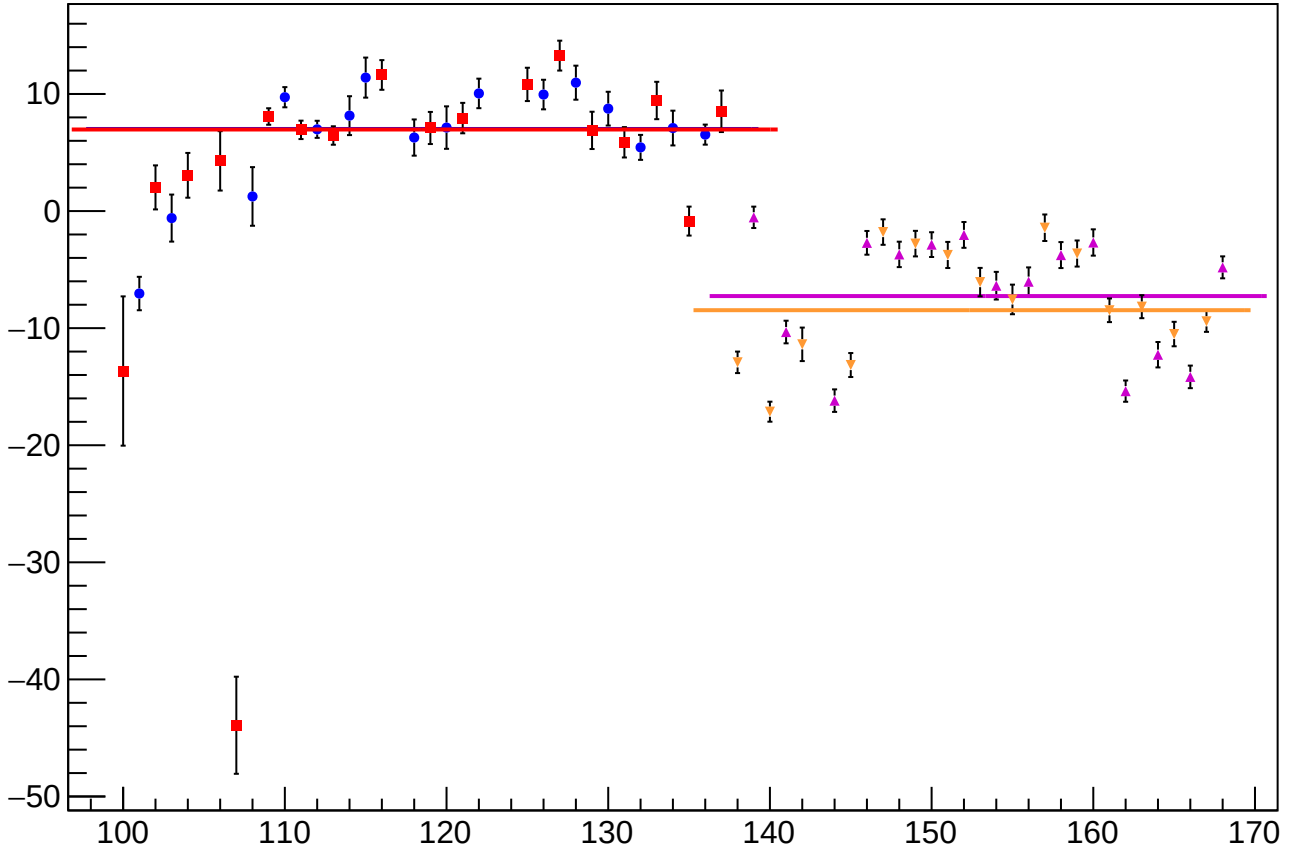
Left In: -40.986+/-0.017 χ^2/NDF:87276.6/14

+ sign -41.073+/-0.015 χ^2/NDF: 125375.5/30

All: -41.117+/-0.010 χ^2/NDF: 249937.9/63

- sign -41.161+/-0.015 χ^2/NDF: 124544.3/32

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -8.466+/-0.272 χ^2/NDF:301.1/14

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

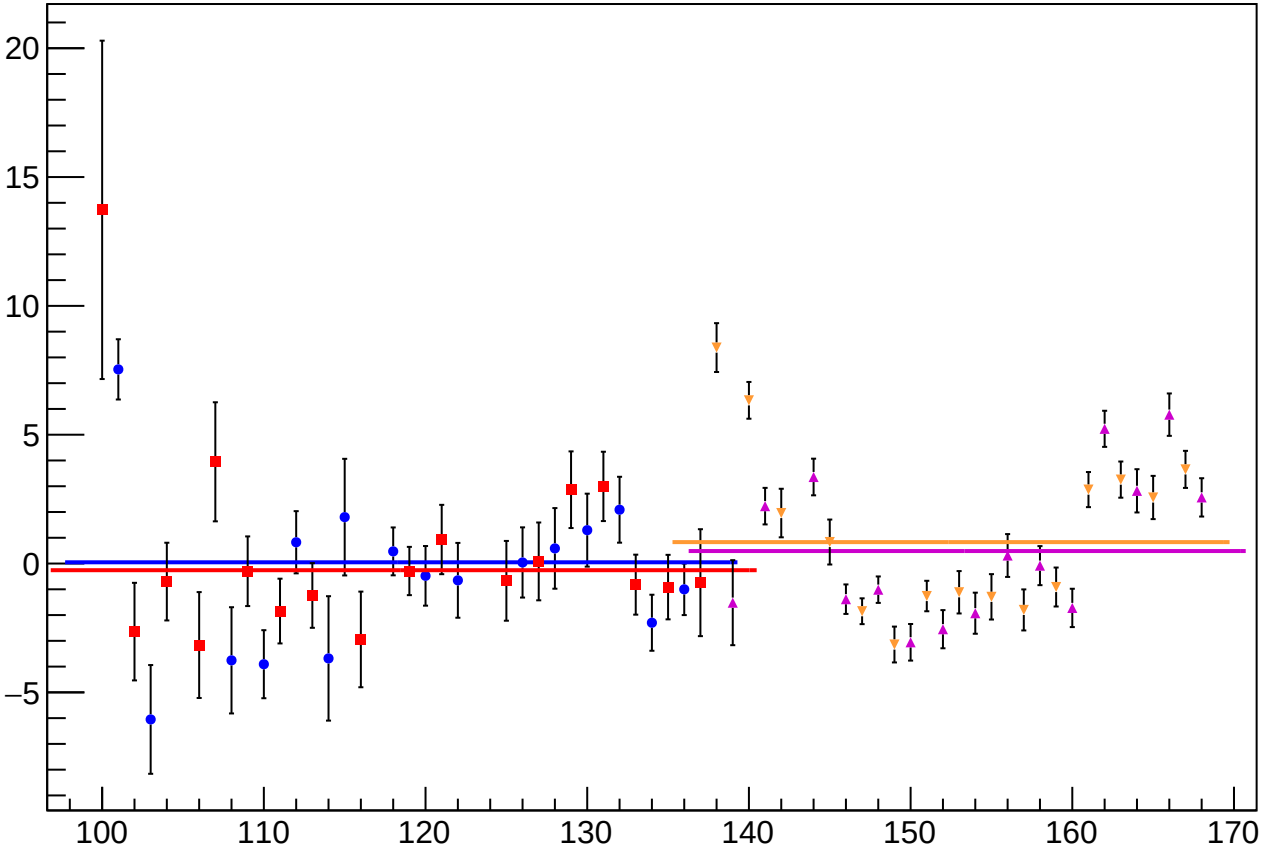
Left In: -7.260+/-0.266 χ^2/NDF:408.4/14

+ sign -1.723+/-0.204 χ^2/NDF: 1870.8/30

All: -1.331+/-0.142 χ^2/NDF: 3820.8/63

- sign -0.960+/-0.198 χ^2/NDF: 1942.8/32

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.832+/-0.189 χ^2/NDF:266.4/14

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

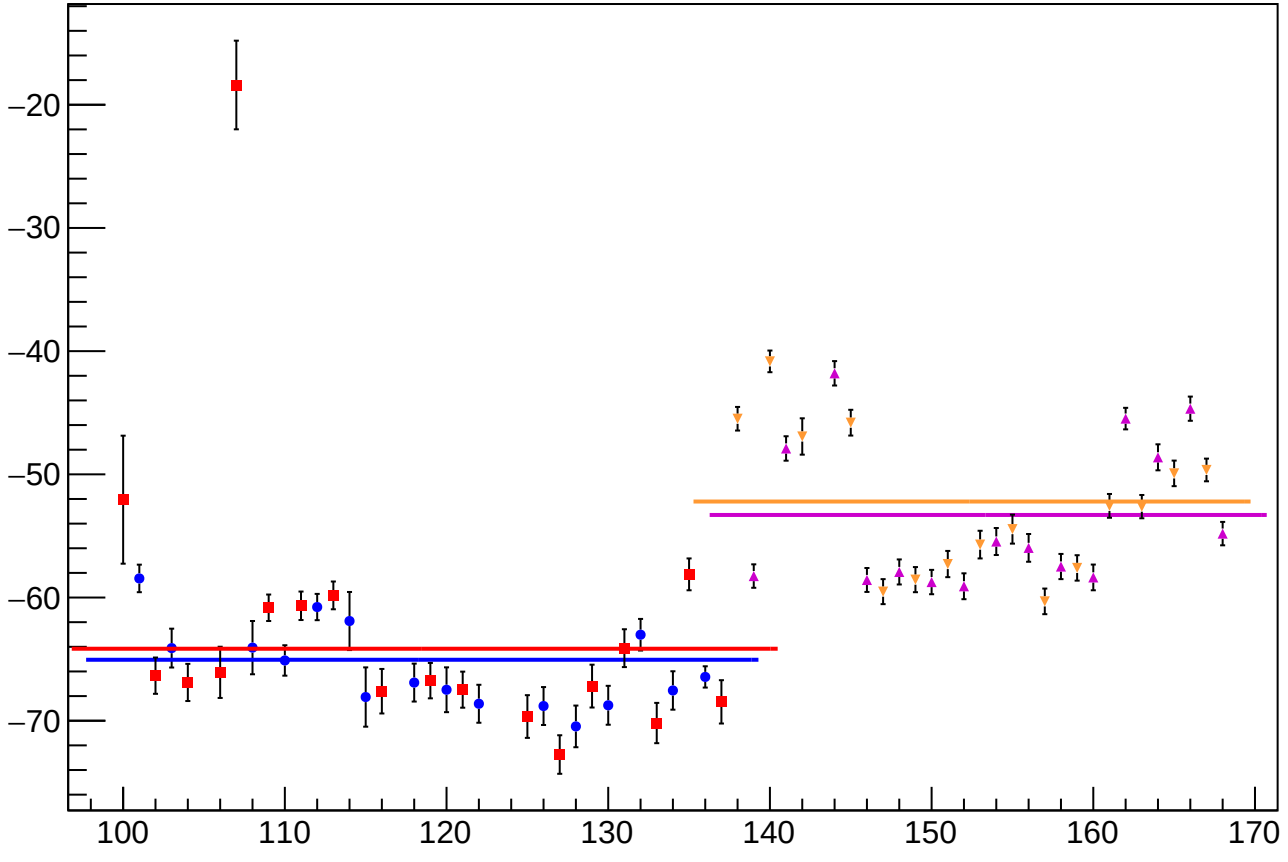
Left In: 0.485+/-0.188 χ^2/NDF:206.1/14

+ sign 0.640+/-0.164 χ^2/NDF: 345.6/30

All: 0.478+/-0.116 χ^2/NDF: 584.7/63

- sign 0.314+/-0.165 χ^2/NDF: 237.2/32

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -52.206+/-0.265 χ^2/NDF:494.5/14

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

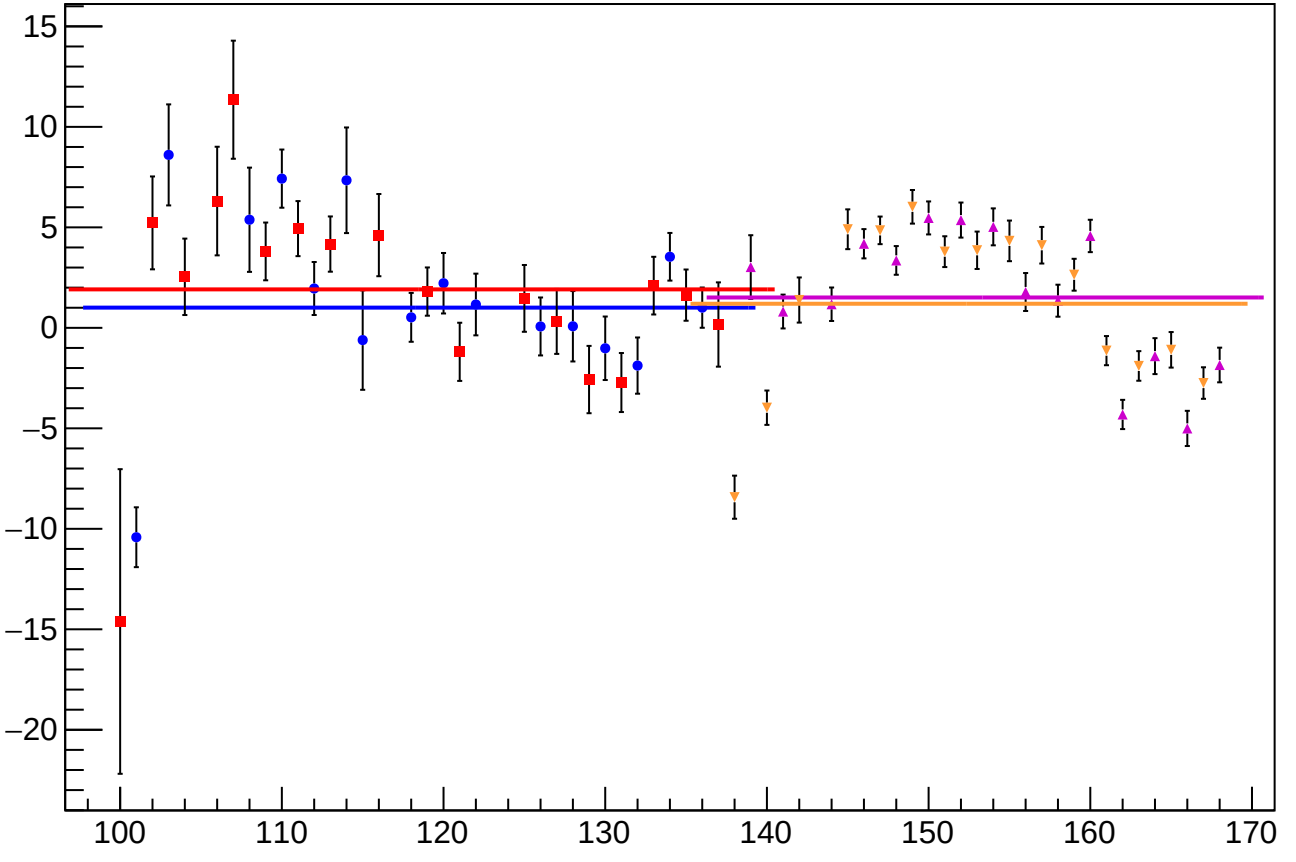
Left In: -53.297+/-0.259 χ^2/NDF:531.8/14

+ sign -56.817+/-0.212 χ^2/NDF: 1431.2/30

All: -56.904+/-0.149 χ^2/NDF: 2866.0/63

- sign -56.989+/-0.210 χ^2/NDF: 1434.4/32

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 1.199+/-0.219 χ^2/NDF:295.5/14

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

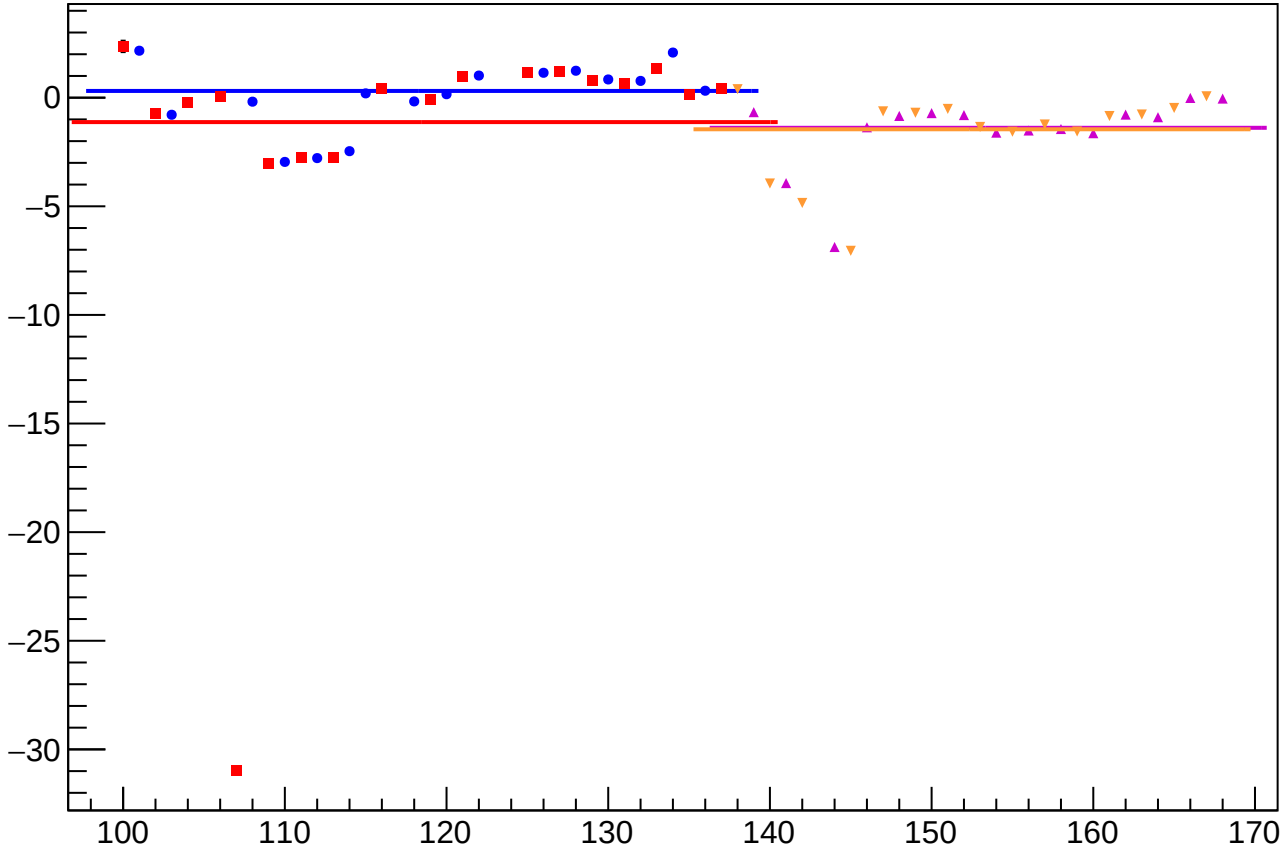
Left In: 1.511+/-0.218 χ^2/NDF:239.1/14

+ sign 1.150+/-0.189 χ^2/NDF: 404.9/30

All: 1.377+/-0.134 χ^2/NDF: 702.2/63

- sign 1.606+/-0.190 χ^2/NDF: 294.4/32

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.454+/-0.010 χ^2/NDF:32632.3/14

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

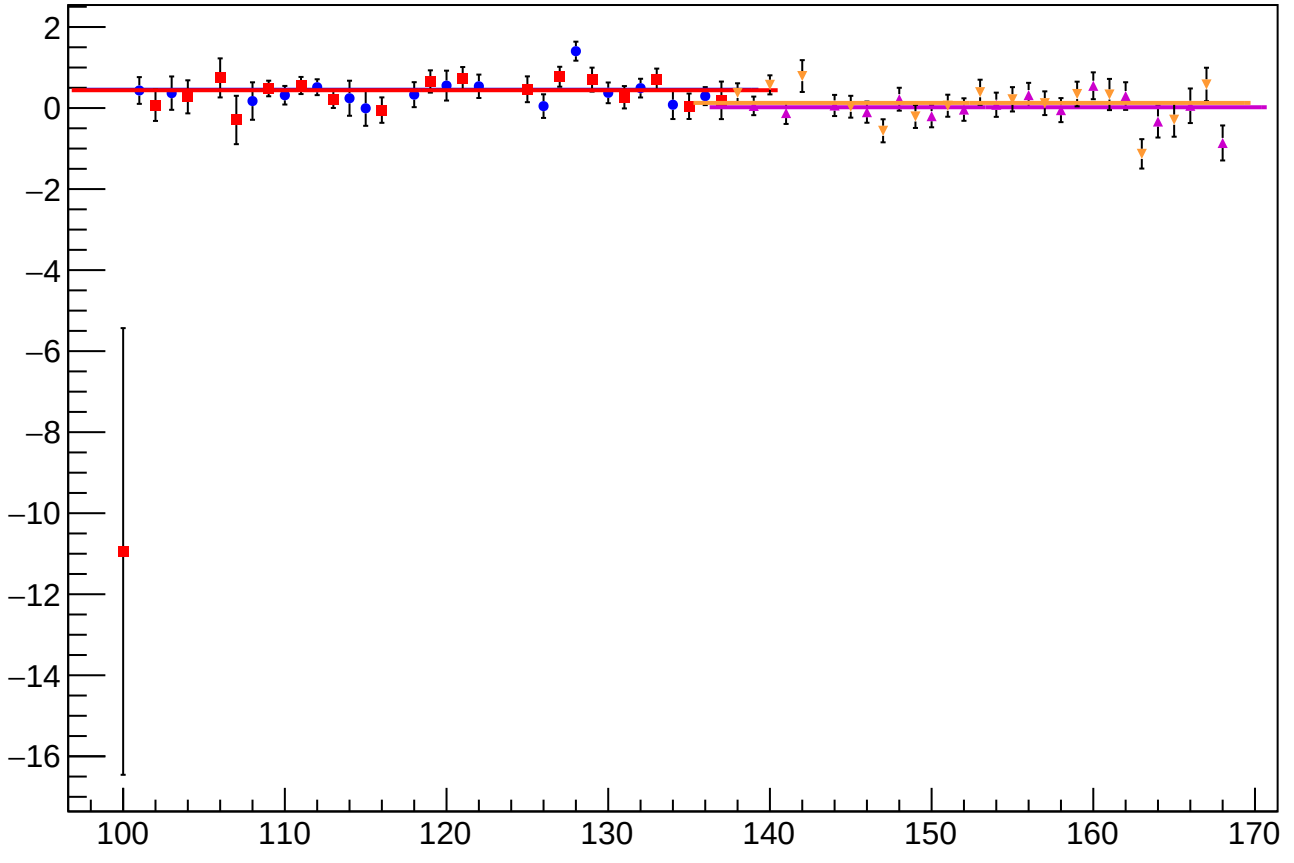
Left In: -1.386+/-0.010 χ^2/NDF:23976.7/14

\+ sign -1.132+/-0.009 χ^2/NDF: 43215.9/30

All: -1.240+/-0.006 χ^2/NDF: 113940.5/63

\- sign -1.344+/-0.009 χ^2/NDF: 70441.9/32

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.127+/-0.078 χ^2/NDF:30.7/14

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

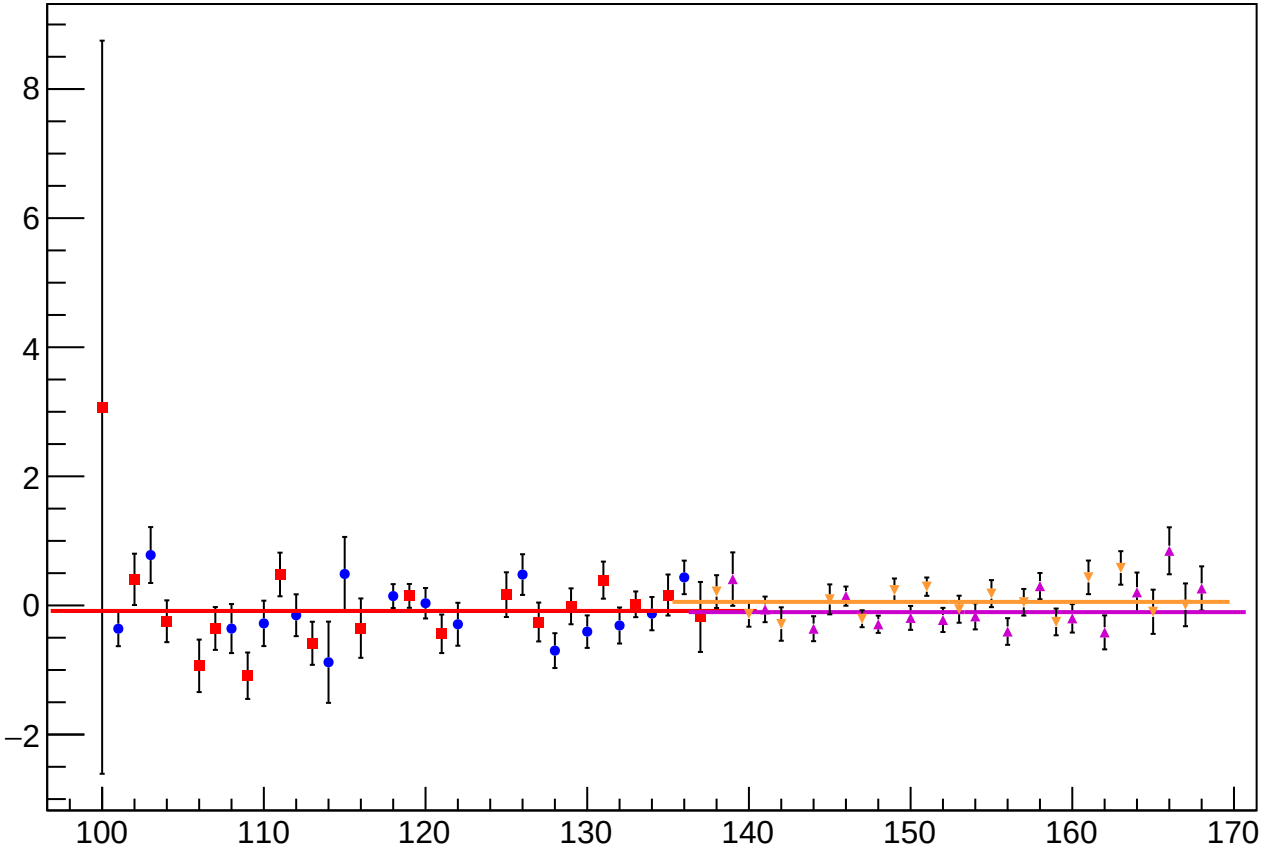
Left In: 0.020+/-0.077 χ^2/NDF:11.0/14

+ sign 0.304+/-0.053 χ^2/NDF: 62.9/30

All: 0.277+/-0.037 χ^2/NDF: 109.3/63

- sign 0.250+/-0.052 χ^2/NDF: 45.9/32

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.055+/-0.053 χ^2/NDF:20.1/14

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

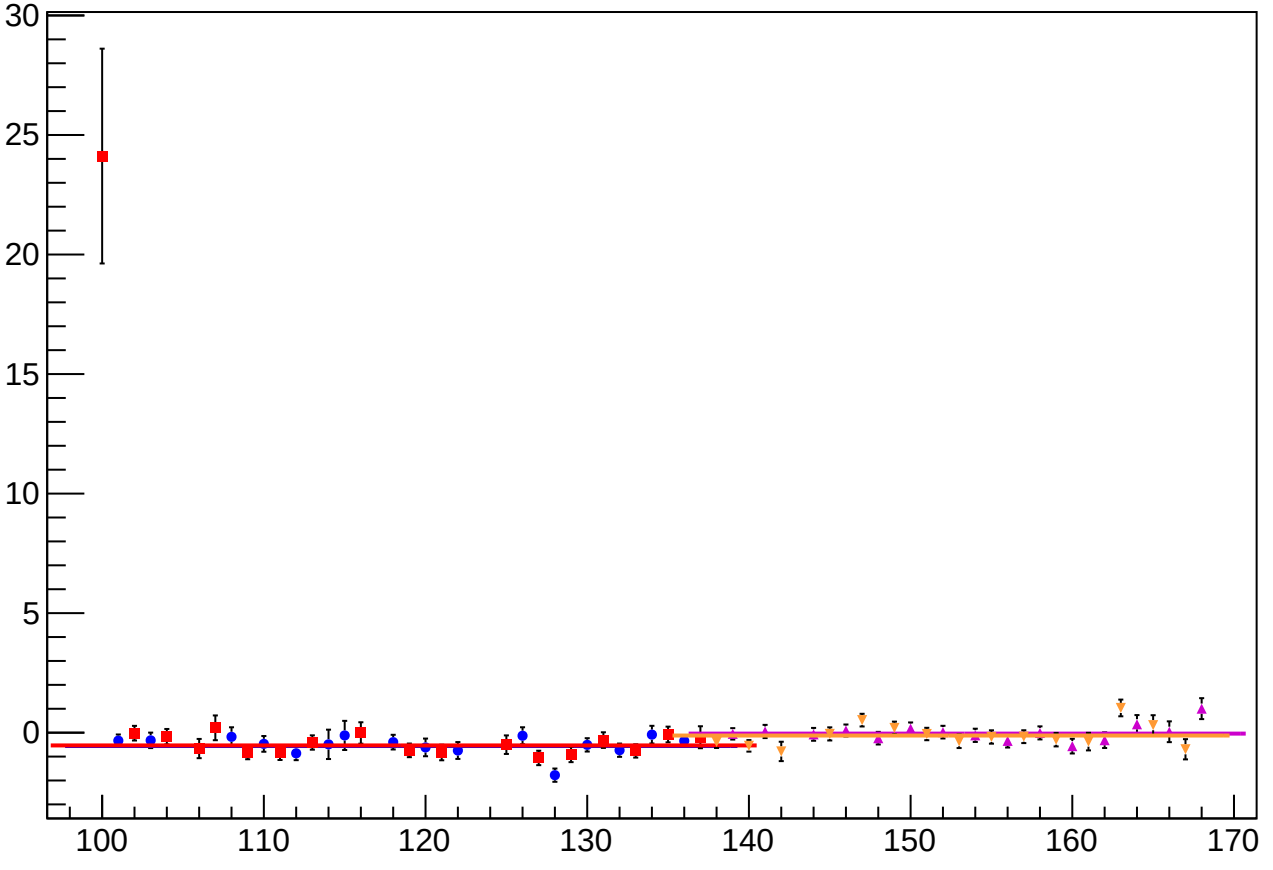
Left In: -0.104+/-0.053 χ^2/NDF:25.5/14

+ sign 0.006+/-0.043 χ^2/NDF: 48.0/30

All: -0.046+/-0.030 χ^2/NDF: 104.2/63

- sign -0.097+/-0.043 χ^2/NDF: 53.4/32

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.120+/-0.076 χ^2/NDF:29.9/14

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

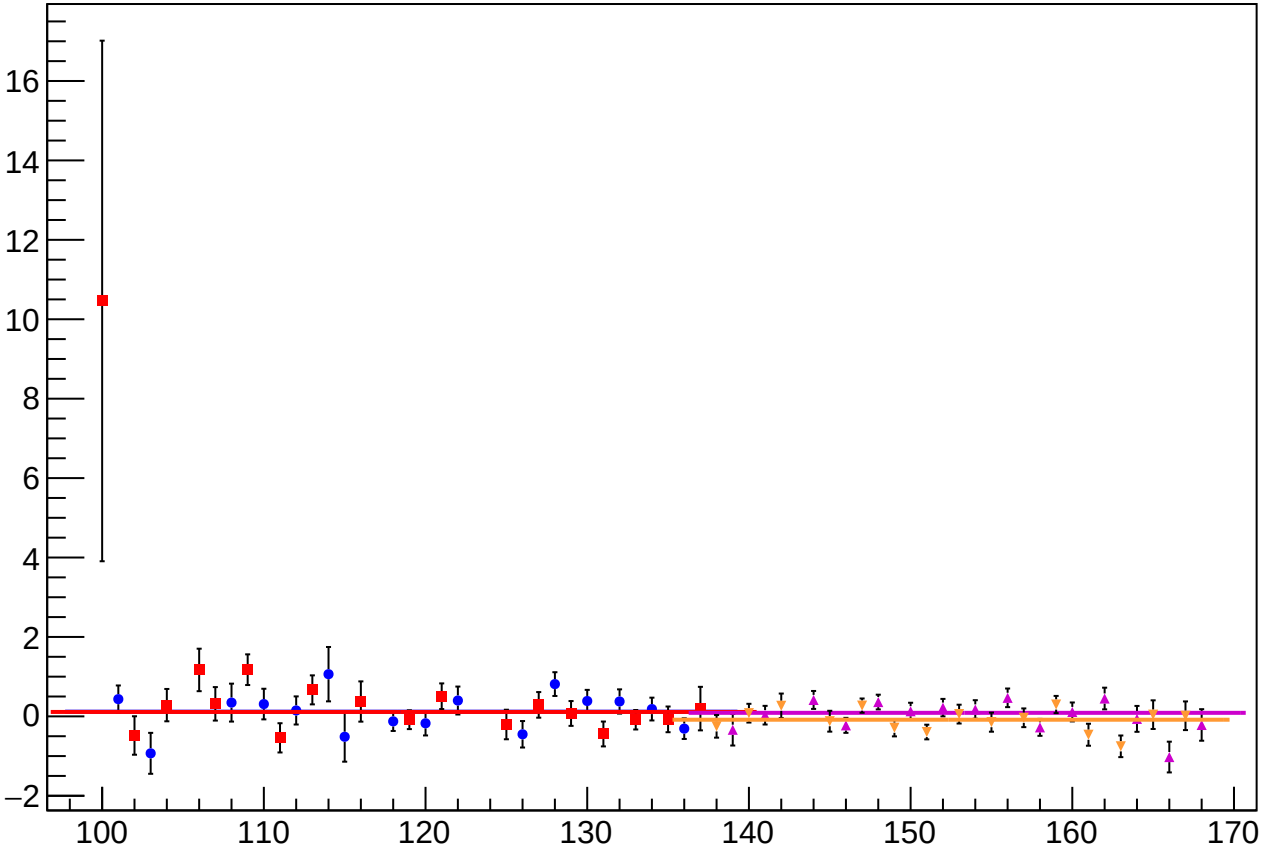
Left In: -0.039+/-0.074 χ^2/NDF:13.2/14

+ sign -0.328+/-0.055 χ^2/NDF: 74.2/30

All: -0.297+/-0.039 χ^2/NDF: 157.5/63

- sign -0.267+/-0.055 χ^2/NDF: 82.7/32

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.085+/-0.063 χ^2/NDF:21.4/14

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

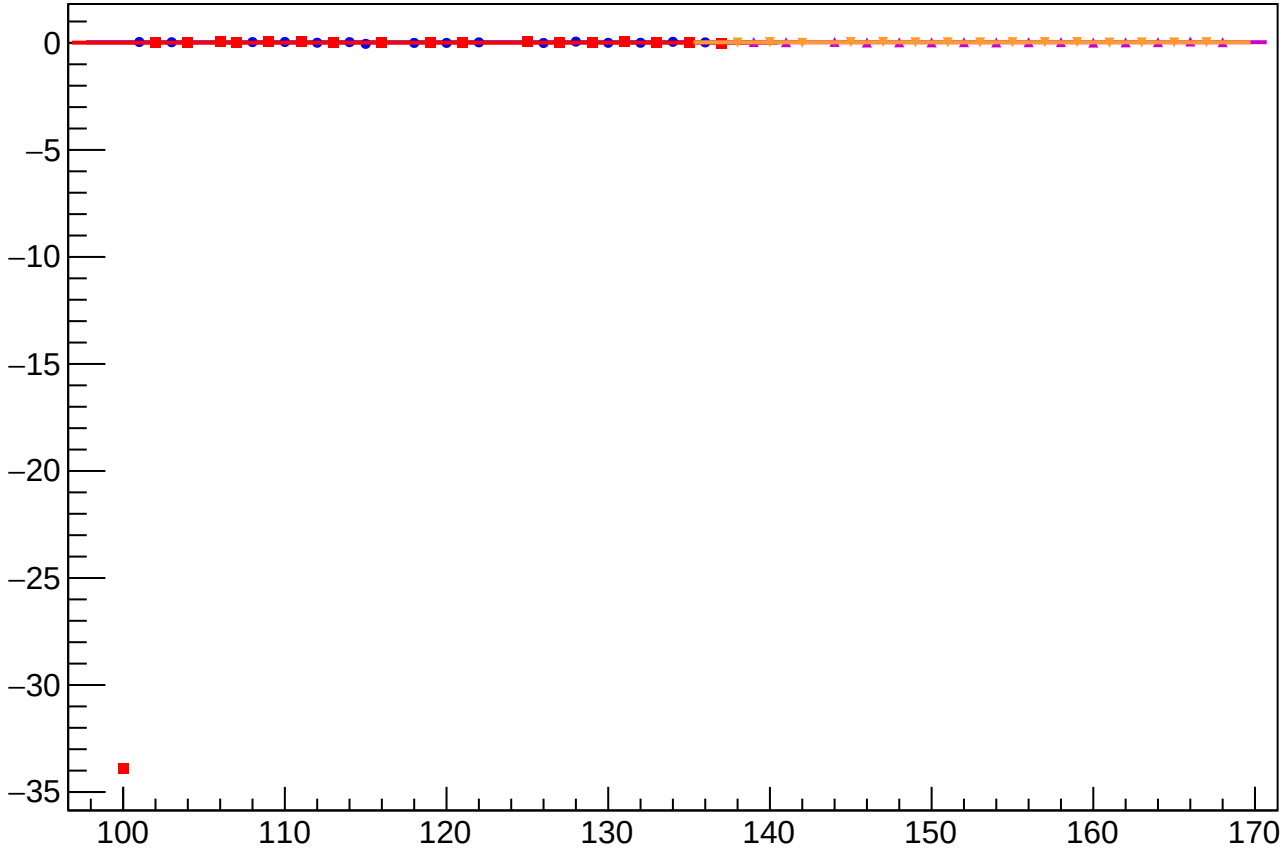
Left In: 0.089+/-0.063 χ^2/NDF:25.1/14

+ sign -0.012+/-0.050 χ^2/NDF: 48.8/30

All: 0.043+/-0.036 χ^2/NDF: 105.2/63

- sign 0.097+/-0.050 χ^2/NDF: 54.1/32

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:11.6/14

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

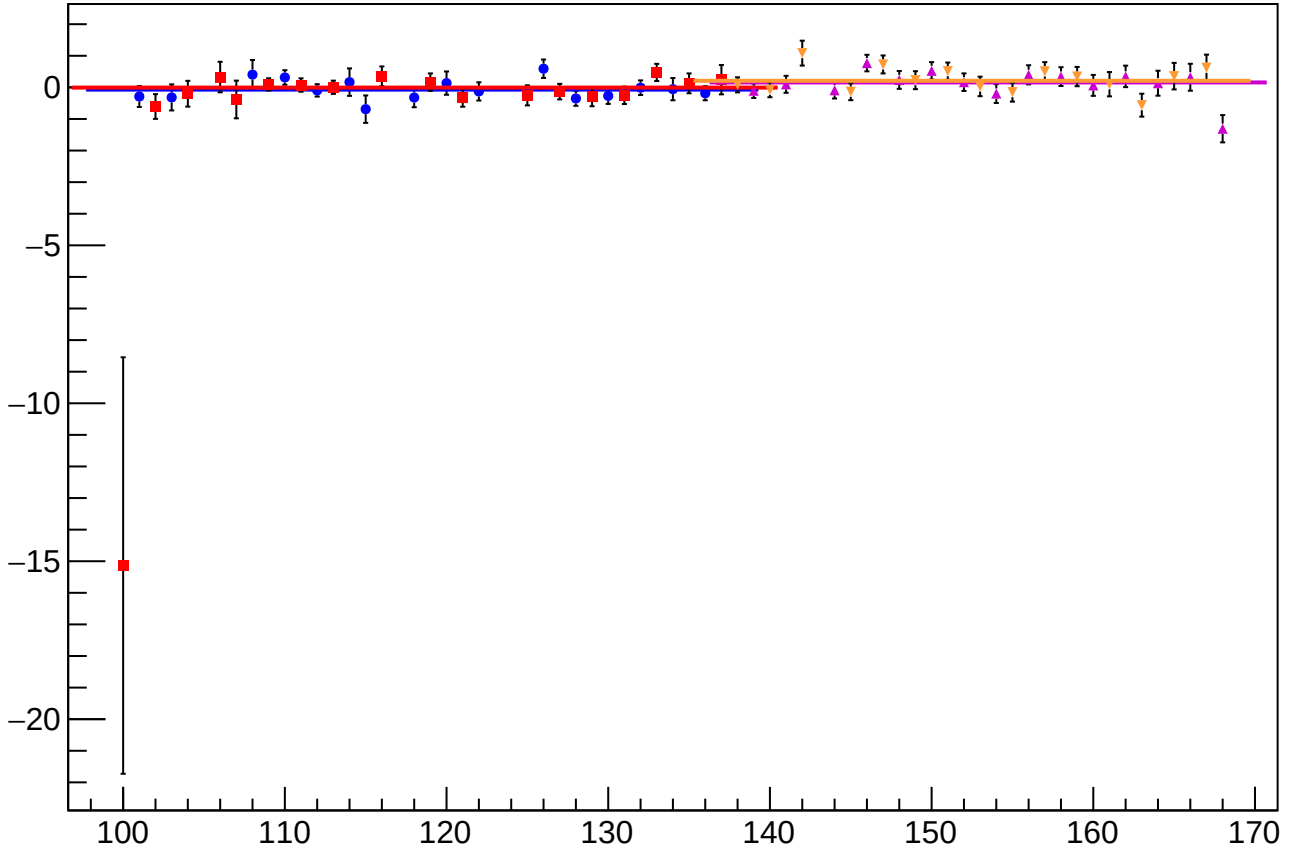
Left In: 0.033+/-0.003 χ^2/NDF:12.5/14

+ sign 0.028+/-0.002 χ^2/NDF: 26.3/30

All: 0.028+/-0.002 χ^2/NDF: 22315.2/63

- sign 0.028+/-0.002 χ^2/NDF: 22288.9/32

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.208+/-0.078 χ^2/NDF:21.6/14

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

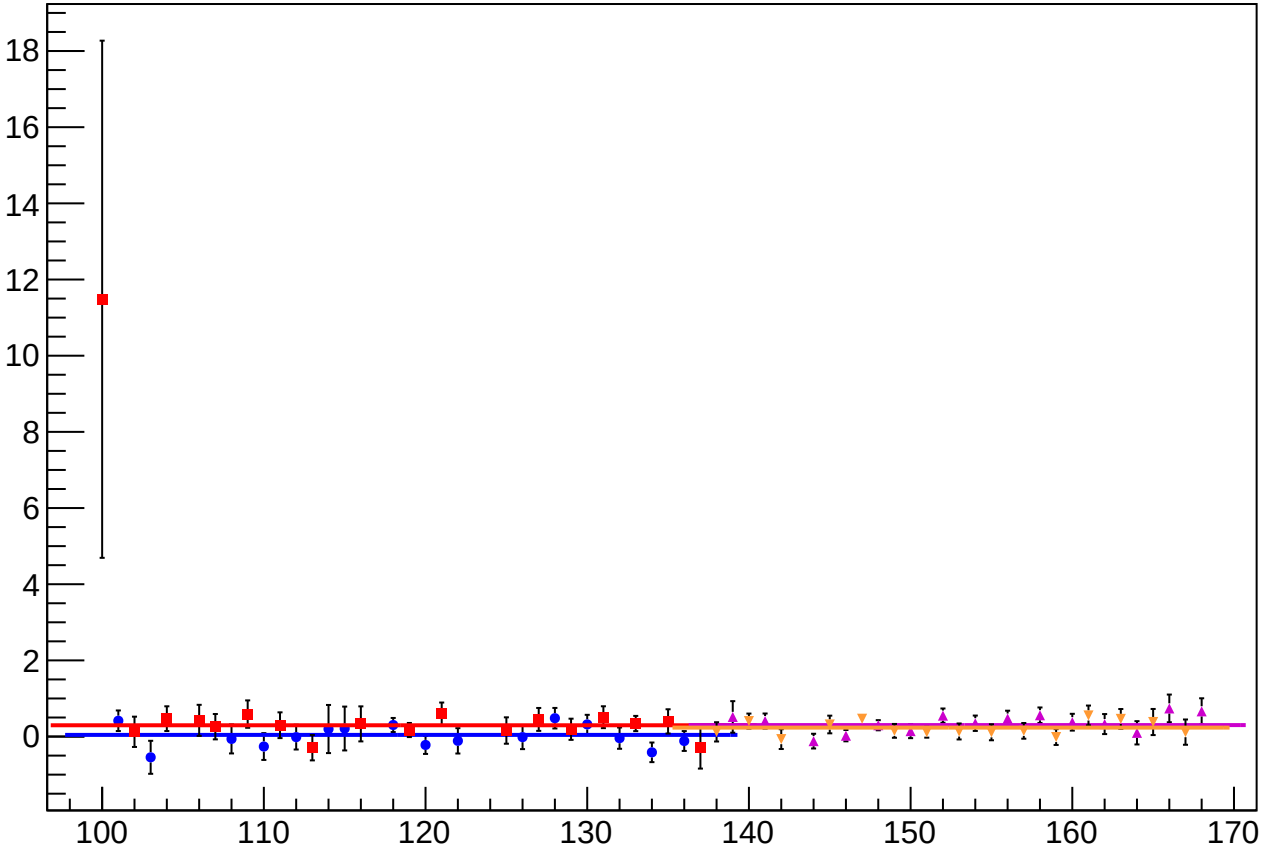
Left In: 0.156+/-0.077 χ^2/NDF:24.1/14

+ sign 0.056+/-0.053 χ^2/NDF: 44.1/30

All: 0.062+/-0.037 χ^2/NDF: 88.8/63

- sign 0.067+/-0.052 χ^2/NDF: 44.7/32

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.235+/-0.053 χ^2/NDF:11.3/14

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

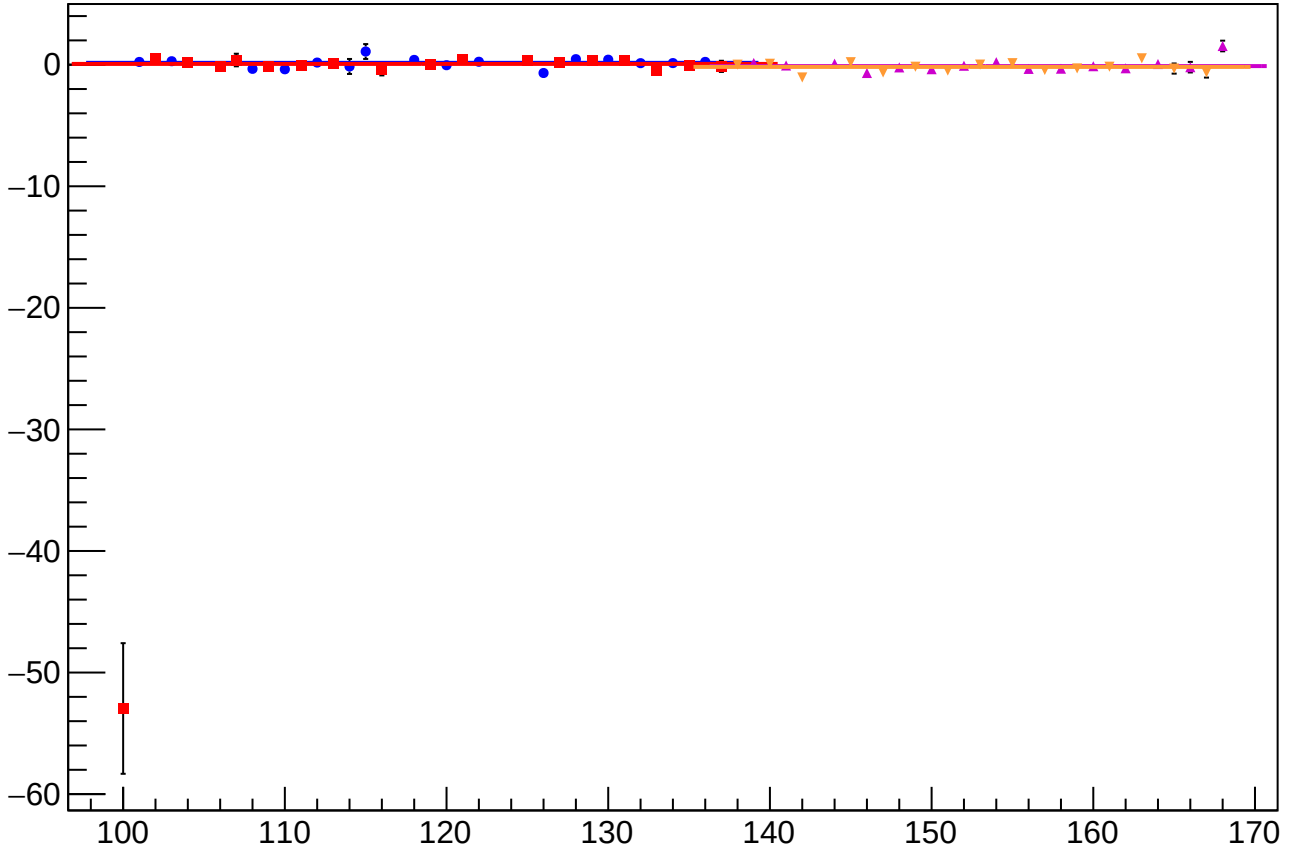
Left In: 0.301+/-0.053 χ^2/NDF:16.8/14

+ sign 0.169+/-0.043 χ^2/NDF: 31.5/30

All: 0.234+/-0.030 χ^2/NDF: 63.9/63

- sign 0.300+/-0.043 χ^2/NDF: 27.8/32

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.180+/-0.076 χ^2/NDF:20.7/14

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

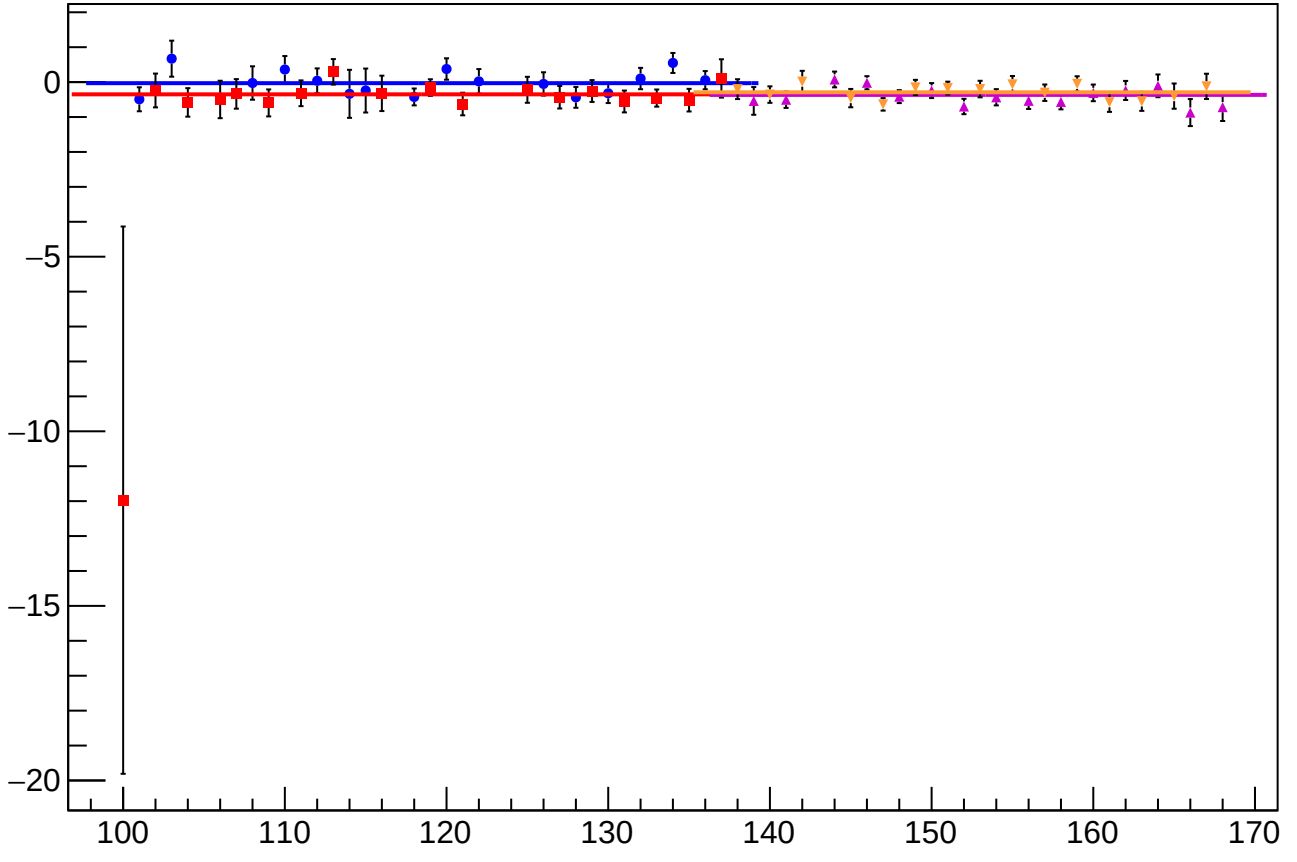
Left In: -0.114+/-0.074 χ^2/NDF:25.4/14

+ sign -0.022+/-0.055 χ^2/NDF: 45.4/30

All: -0.026+/-0.039 χ^2/NDF: 182.8/63

- sign -0.031+/-0.055 χ^2/NDF: 137.4/32

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.291+/-0.063 χ^2/NDF:10.7/14

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

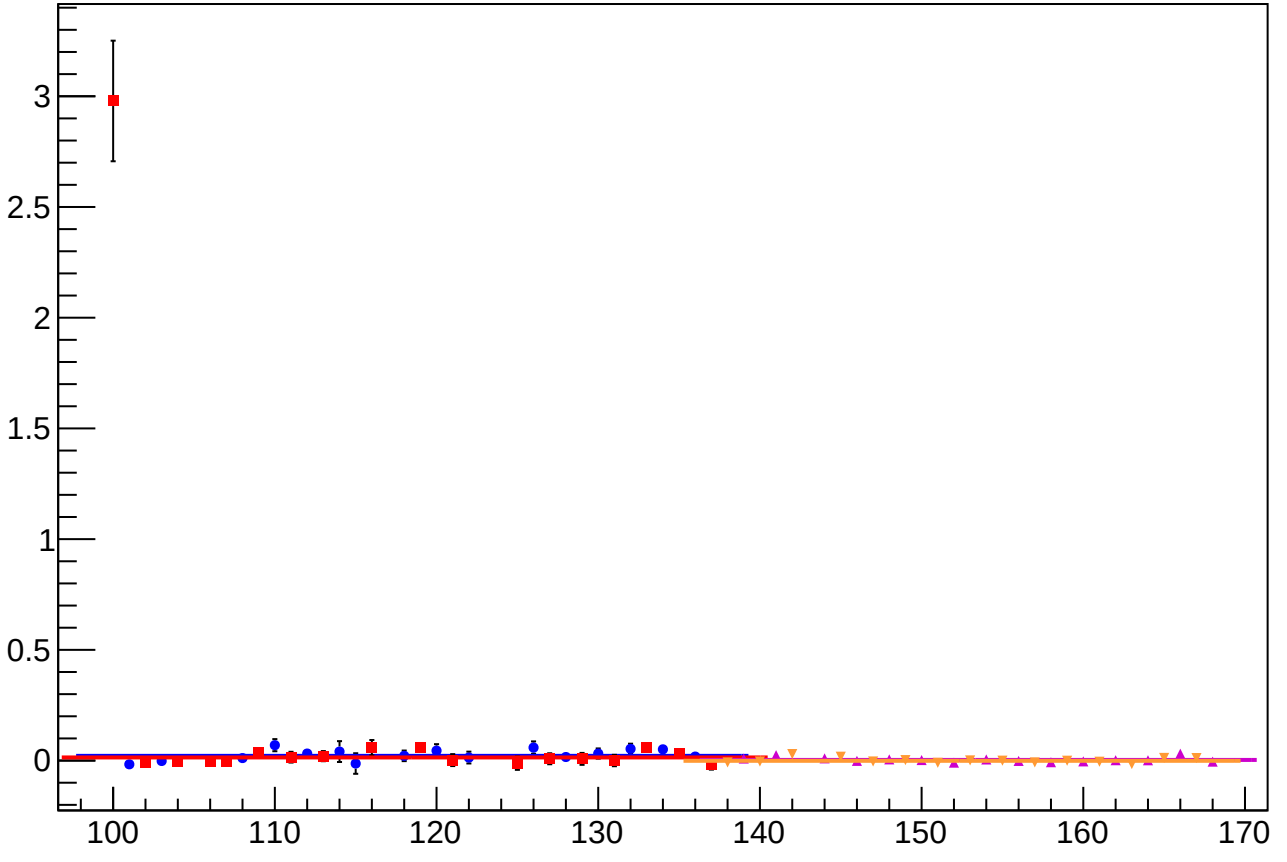
Left In: -0.366+/-0.063 χ^2/NDF:15.3/14

+ sign -0.197+/-0.050 χ^2/NDF: 33.6/30

All: -0.279+/-0.036 χ^2/NDF: 63.6/63

- sign -0.360+/-0.050 χ^2/NDF: 24.8/32

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:11.3/14

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

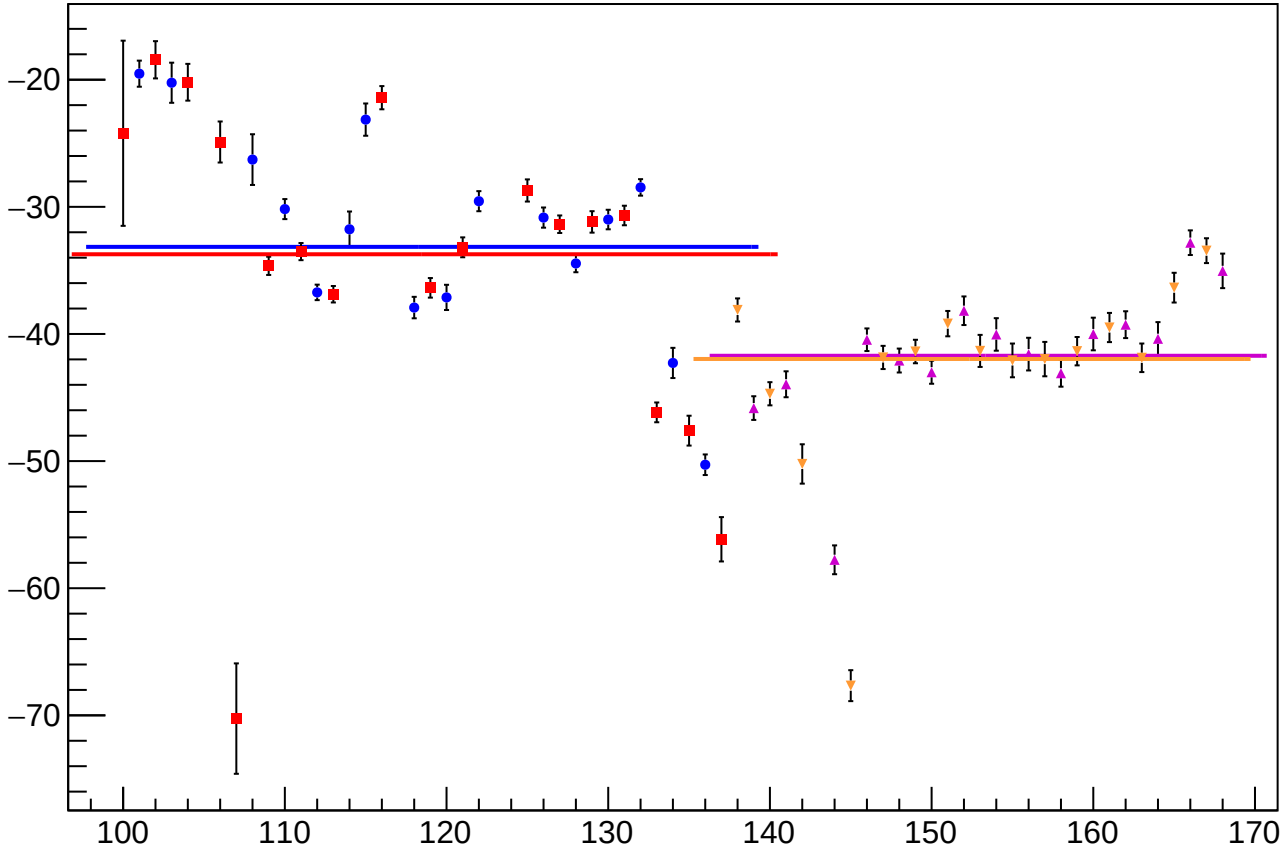
Left In: 0.003+/-0.003 χ^2/NDF:11.1/14

+ sign 0.005+/-0.002 χ^2/NDF: 49.7/30

All: 0.005+/-0.002 χ^2/NDF: 205.7/63

- sign 0.006+/-0.002 χ^2/NDF: 156.0/32

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -41.966+/-0.280 χ^2/NDF:613.4/14

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

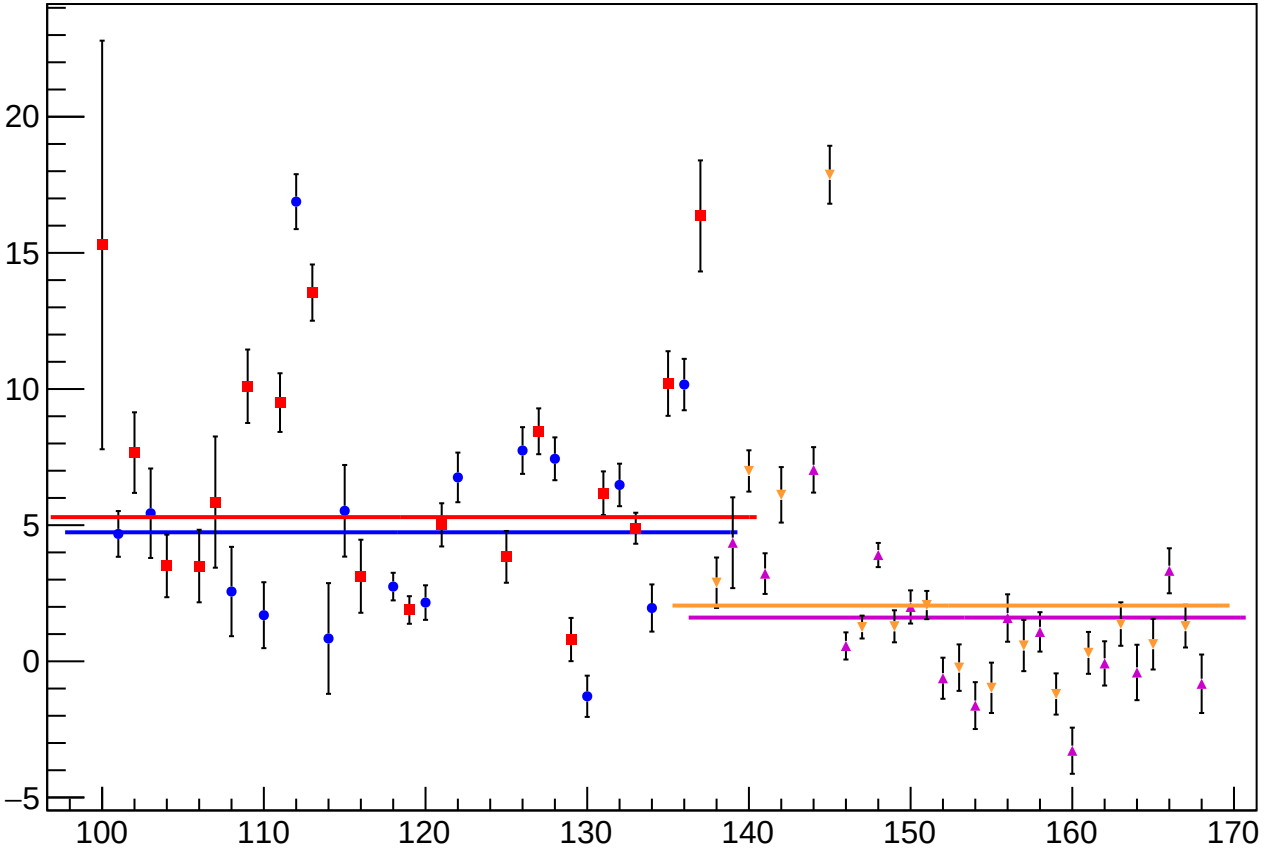
Left In: -41.715+/-0.276 χ^2/NDF:358.8/14

+ sign -36.476+/-0.172 χ^2/NDF: 2245.1/30

All: -36.609+/-0.121 χ^2/NDF: 4273.7/63

- sign -36.738+/-0.170 χ^2/NDF: 2027.4/32

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.047+/-0.187 χ^2/NDF:333.3/14

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

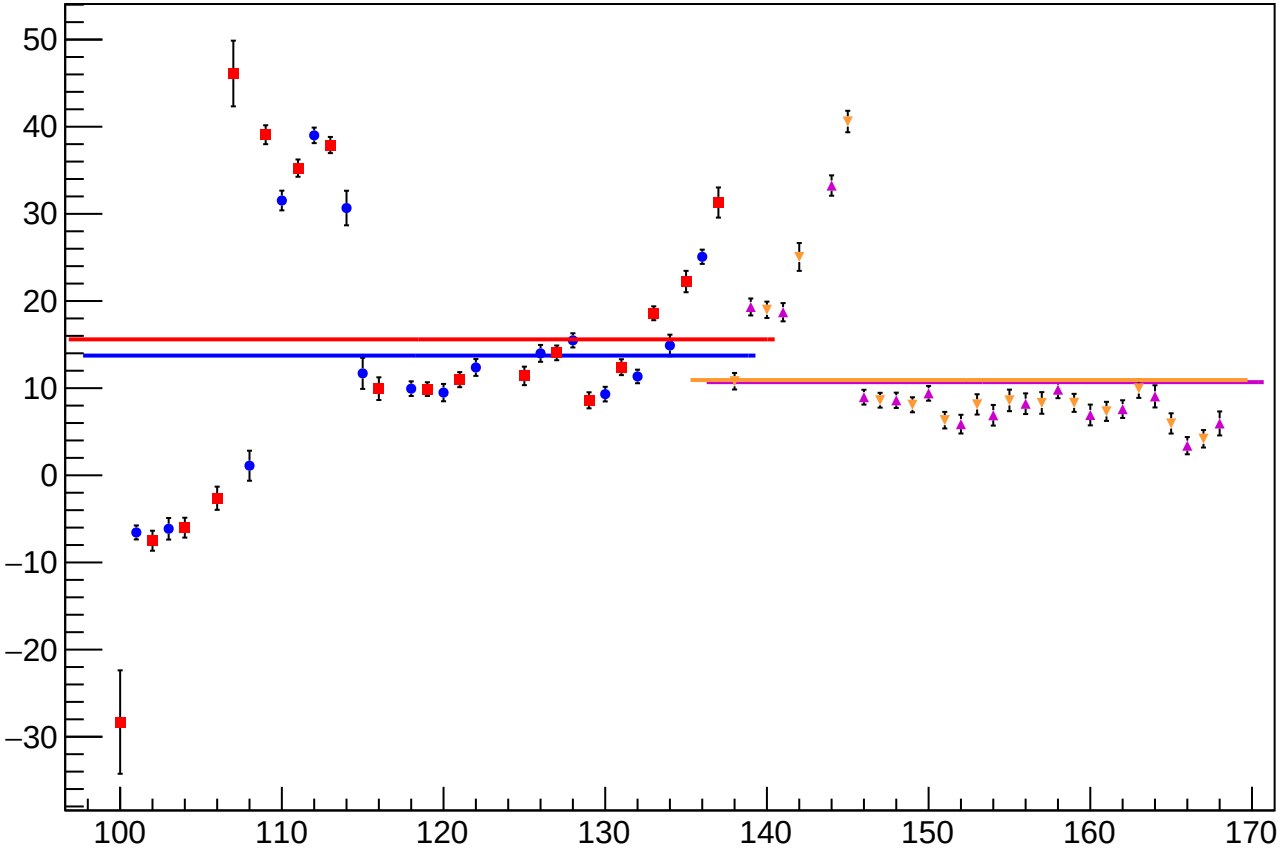
Left In: 1.606+/-0.189 χ^2/NDF:155.4/14

+ sign 3.183+/-0.142 χ^2/NDF: 749.9/30

All: 3.166+/-0.101 χ^2/NDF: 1309.2/63

- sign 3.148+/-0.144 χ^2/NDF: 559.3/32

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 10.932+/-0.272 χ^2/NDF:868.9/14

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

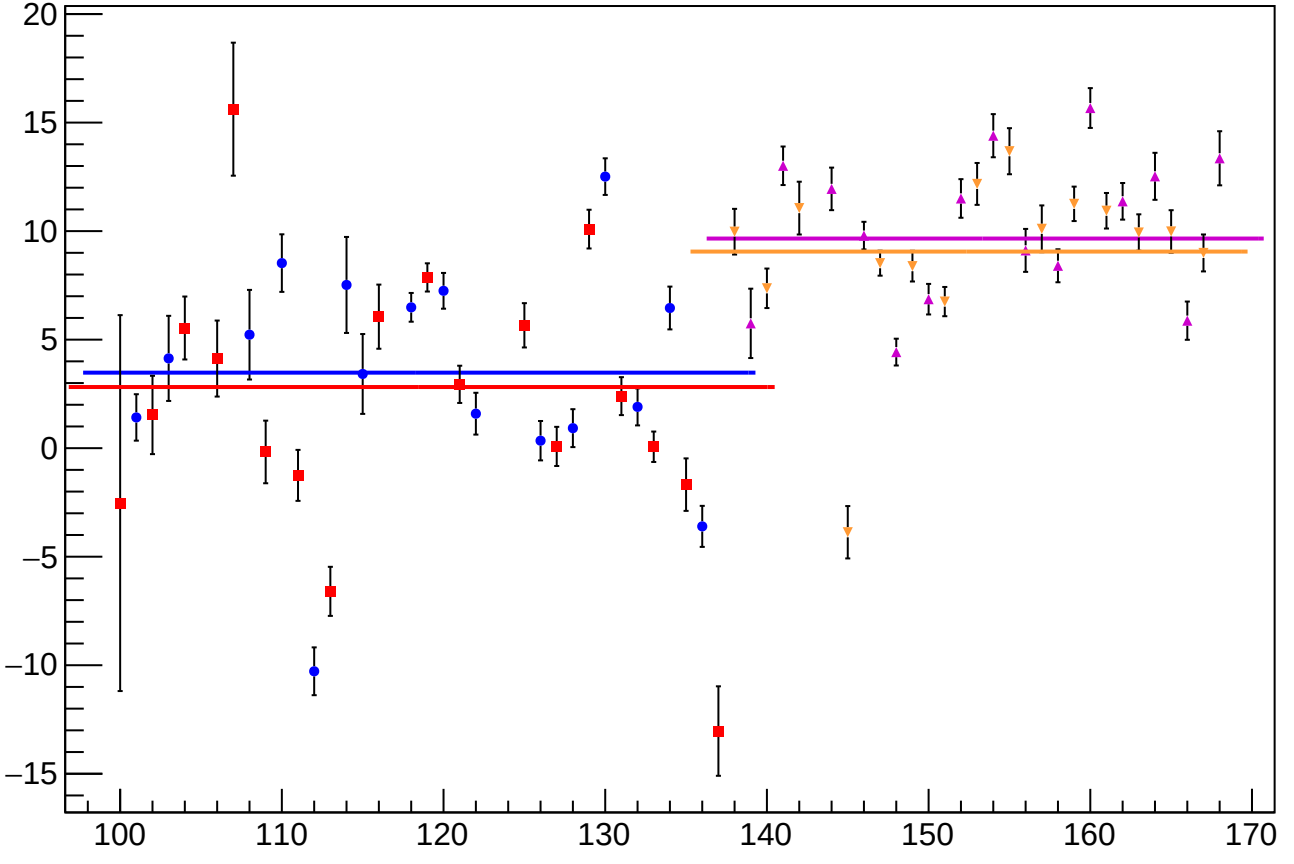
Left In: 10.691+/-0.268 χ^2/NDF:646.0/14

+ sign 12.470+/-0.183 χ^2/NDF: 3277.2/30

All: 12.891+/-0.129 χ^2/NDF: 6939.6/63

- sign 13.313+/-0.183 χ^2/NDF: 3651.8/32

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 9.058+/-0.221 χ^2/NDF:180.6/14

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

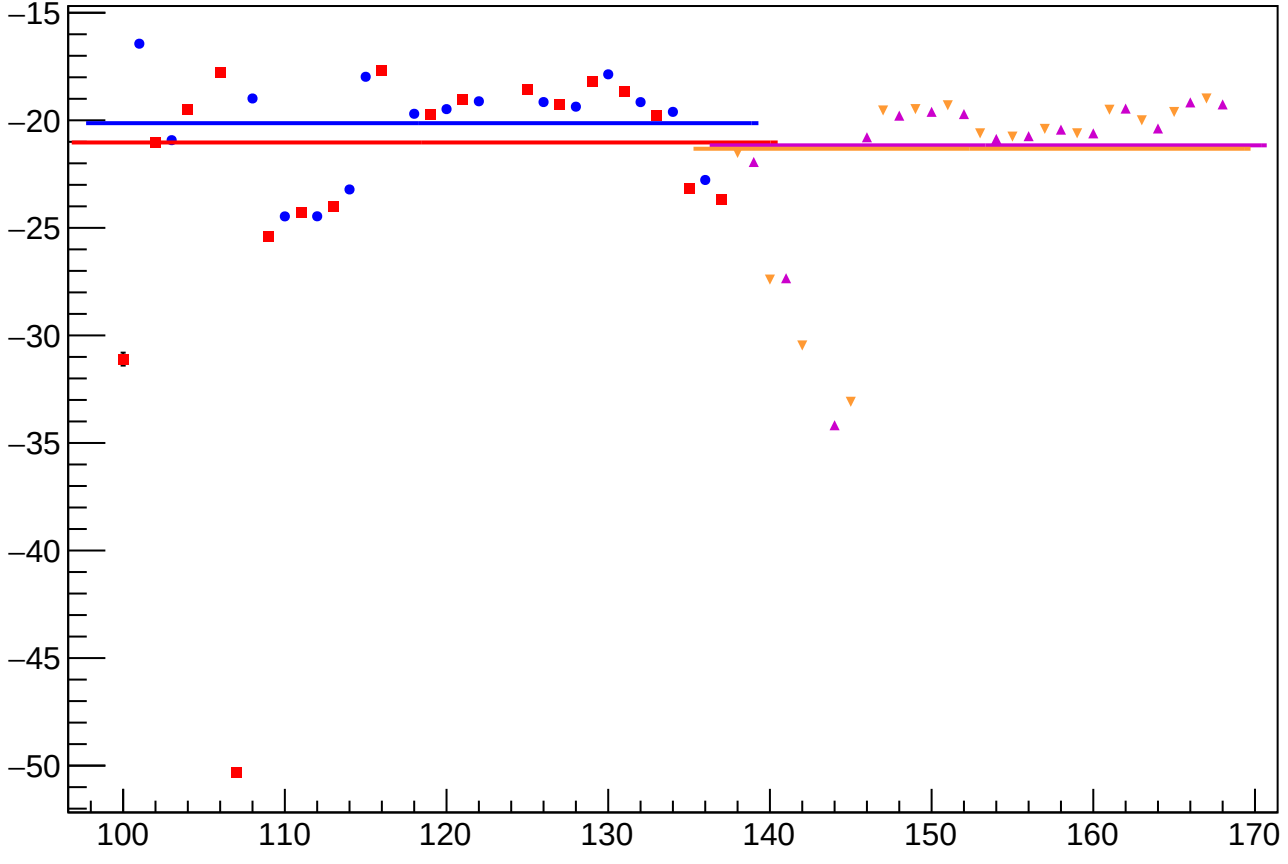
Left In: 9.658+/-0.222 χ^2/NDF:224.7/14

\+ sign 6.648+/-0.167 χ^2/NDF: 883.0/30

All: 6.690+/-0.118 χ^2/NDF: 1857.8/63

\- sign 6.732+/-0.168 χ^2/NDF: 974.7/32

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -21.322+/-0.010 χ^2/NDF:117415.9/14

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

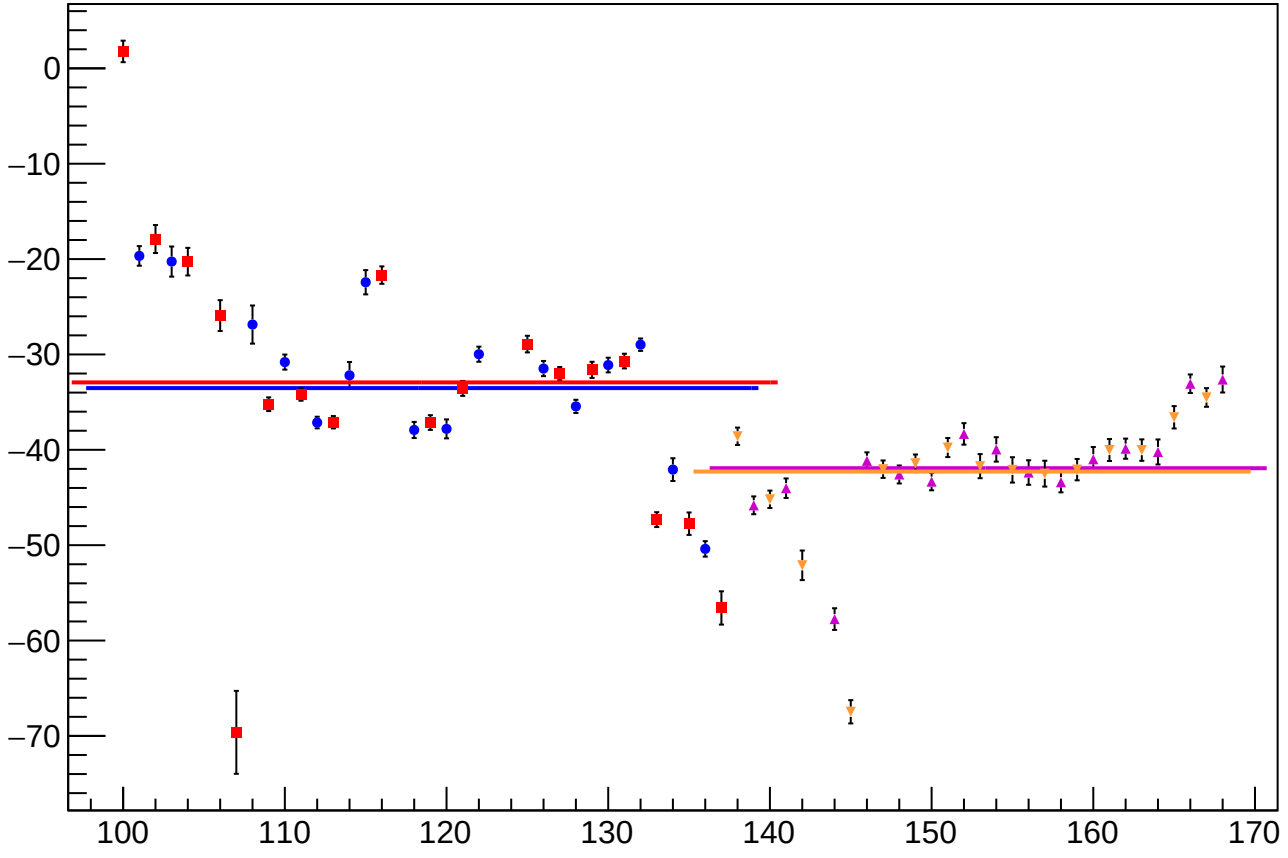
Left In: -21.164+/-0.010 χ^2/NDF:95263.7/14

+ sign -20.971+/-0.009 χ^2/NDF: 141132.8/30

All: -21.050+/-0.006 χ^2/NDF: 294129.2/63

- sign -21.127+/-0.009 χ^2/NDF: 152834.7/32

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -42.279+/-0.280 χ^2/NDF:595.1/14

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

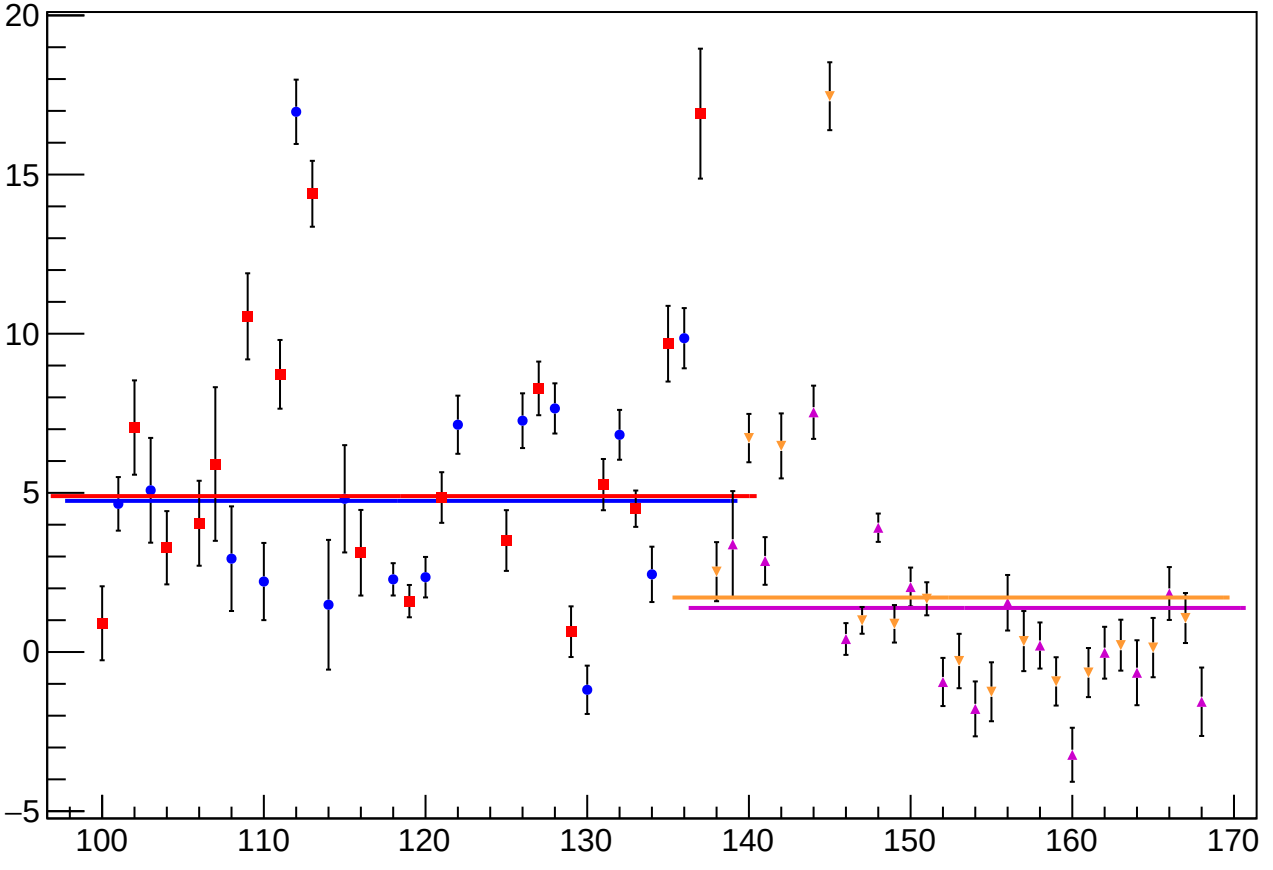
Left In: -41.928+/-0.277 χ^2/NDF:369.3/14

+ sign -36.832+/-0.172 χ^2/NDF: 2209.7/30

All: -36.532+/-0.120 χ^2/NDF: 5421.3/63

- sign -36.247+/-0.168 χ^2/NDF: 3205.7/32

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.712+/-0.188 χ^2/NDF:335.1/14

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

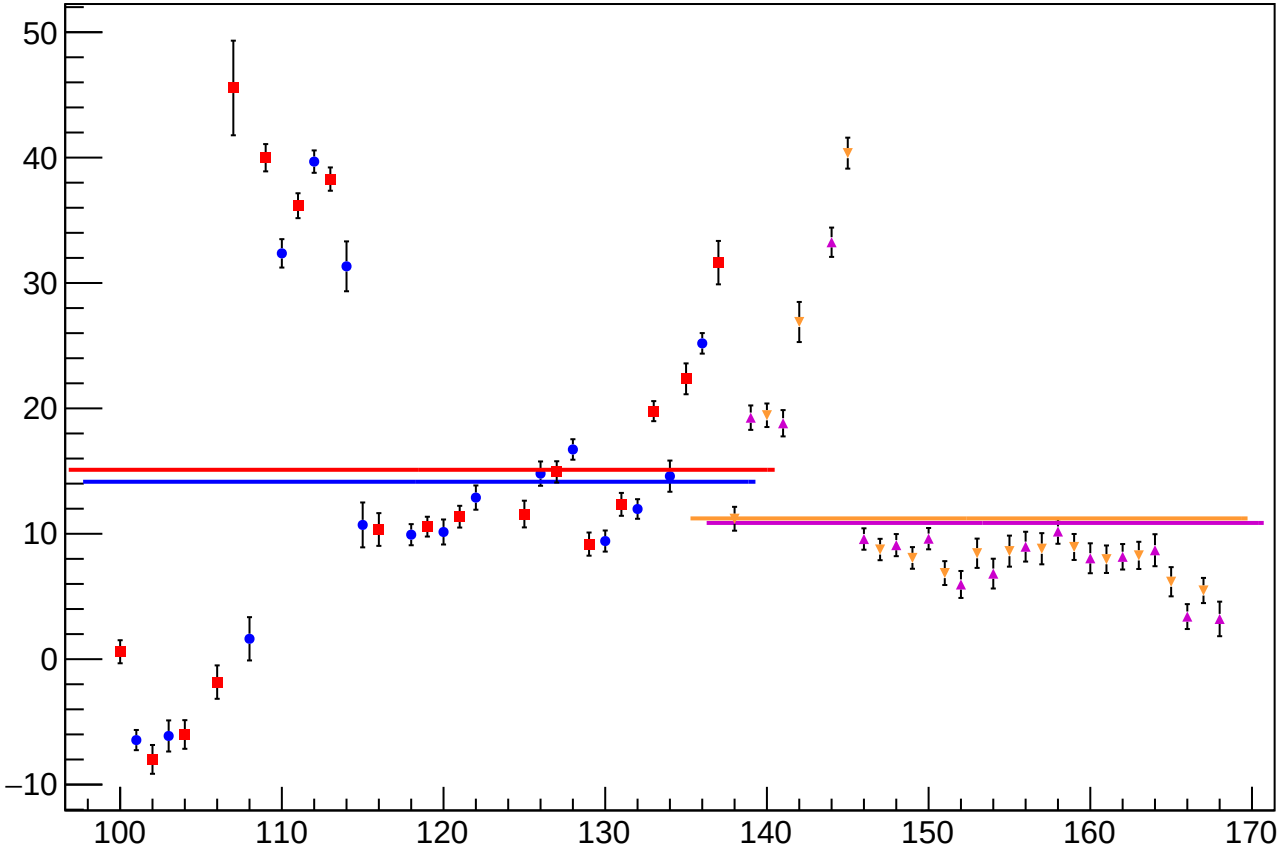
Left In: 1.384+/-0.190 χ^2/NDF:166.4/14

\+ sign 2.993+/-0.143 χ^2/NDF: 771.2/30

All: 2.938+/-0.101 χ^2/NDF: 1357.4/63

\- sign 2.883+/-0.144 χ^2/NDF: 585.9/32

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 11.227+/-0.272 χ^2/NDF:858.4/14

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

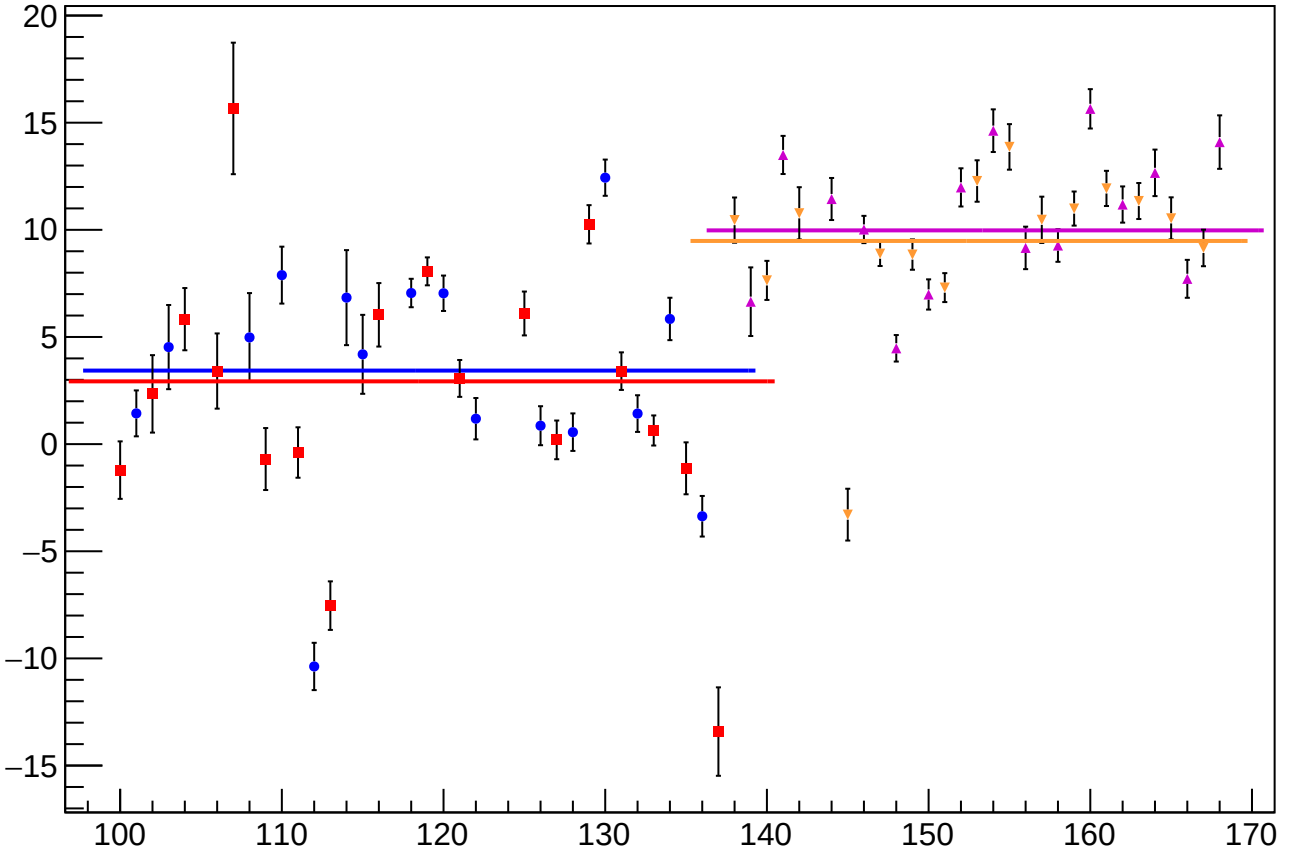
Left In: 10.865+/-0.268 χ^2/NDF:645.4/14

+ sign 12.829+/-0.183 χ^2/NDF: 3323.9/30

All: 13.019+/-0.128 χ^2/NDF: 7211.3/63

- sign 13.202+/-0.180 χ^2/NDF: 3885.3/32

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.481+/-0.222 χ^2/NDF:174.9/14

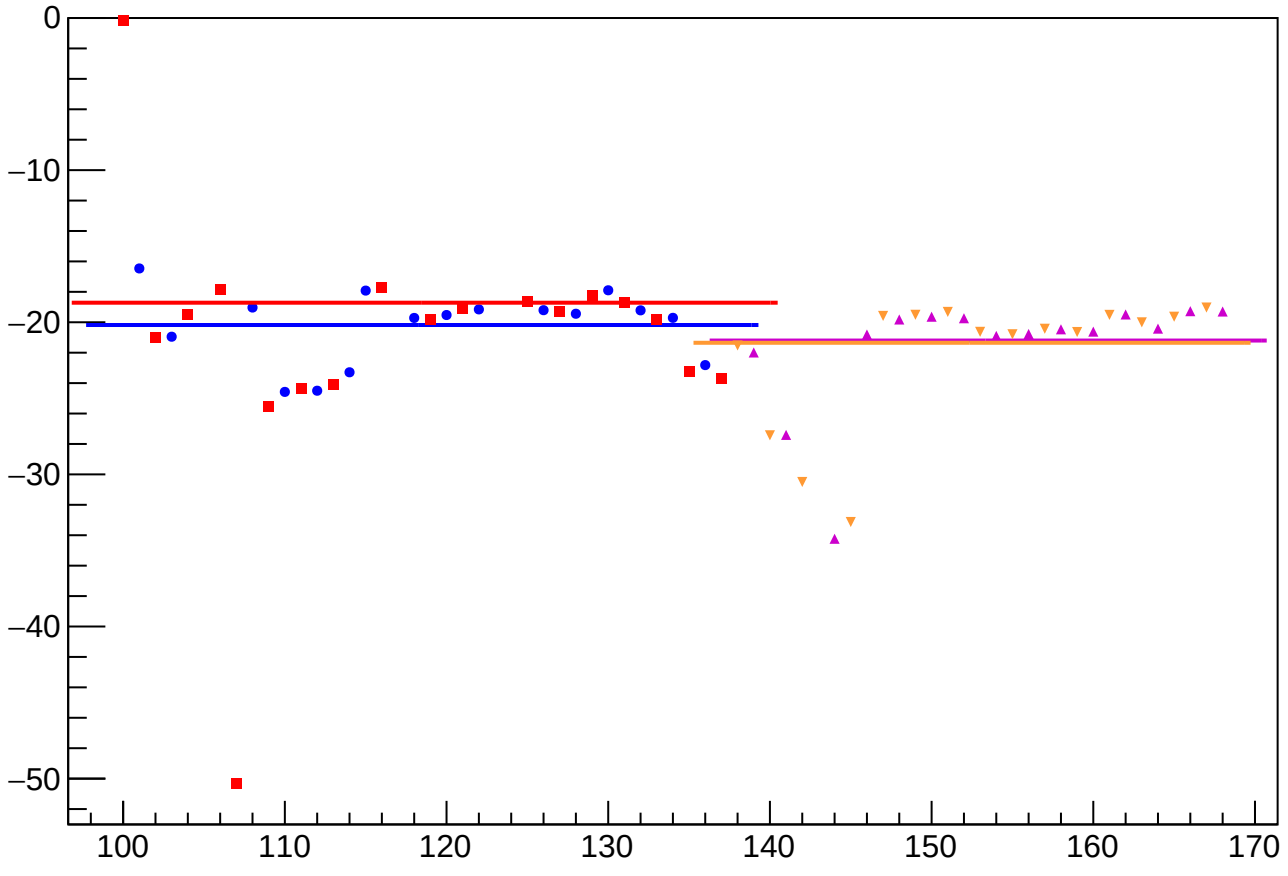
Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.975+/-0.223 χ^2/NDF:211.5/14

+ sign 6.869+/-0.167 χ^2/NDF: 920.6/30

All: 6.885+/-0.118 χ^2/NDF: 1936.0/63

- sign 6.902+/-0.167 χ^2/NDF: 1015.4/32



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -21.348+/-0.010 χ^2/NDF:117151.4/14

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

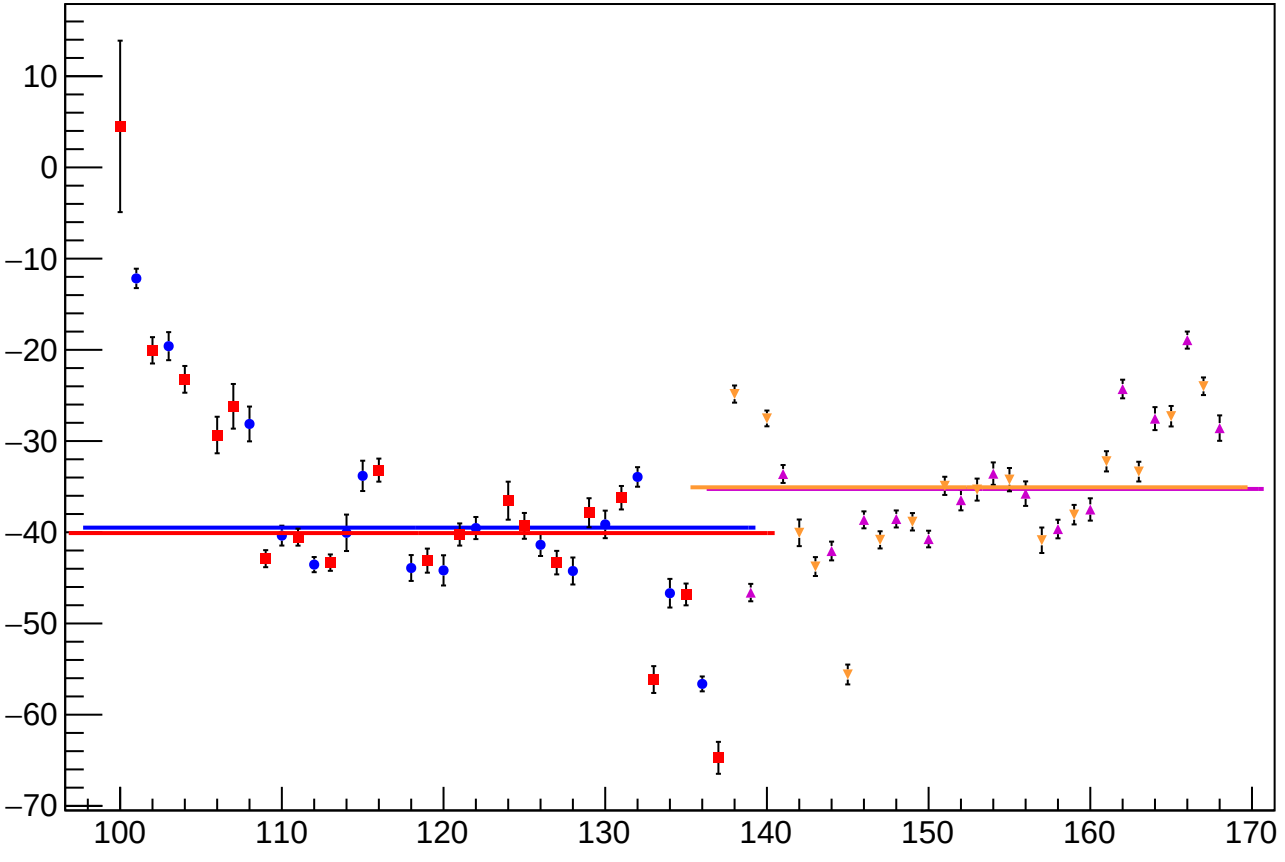
Left In: -21.202+/-0.010 χ^2/NDF:95231.7/14

+ sign -21.004+/-0.009 χ^2/NDF: 140740.9/30

All: -20.725+/-0.006 χ^2/NDF: 490559.7/63

- sign -20.460+/-0.009 χ^2/NDF: 347822.6/32

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -35.071+/-0.266 χ^2/NDF:899.0/15

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

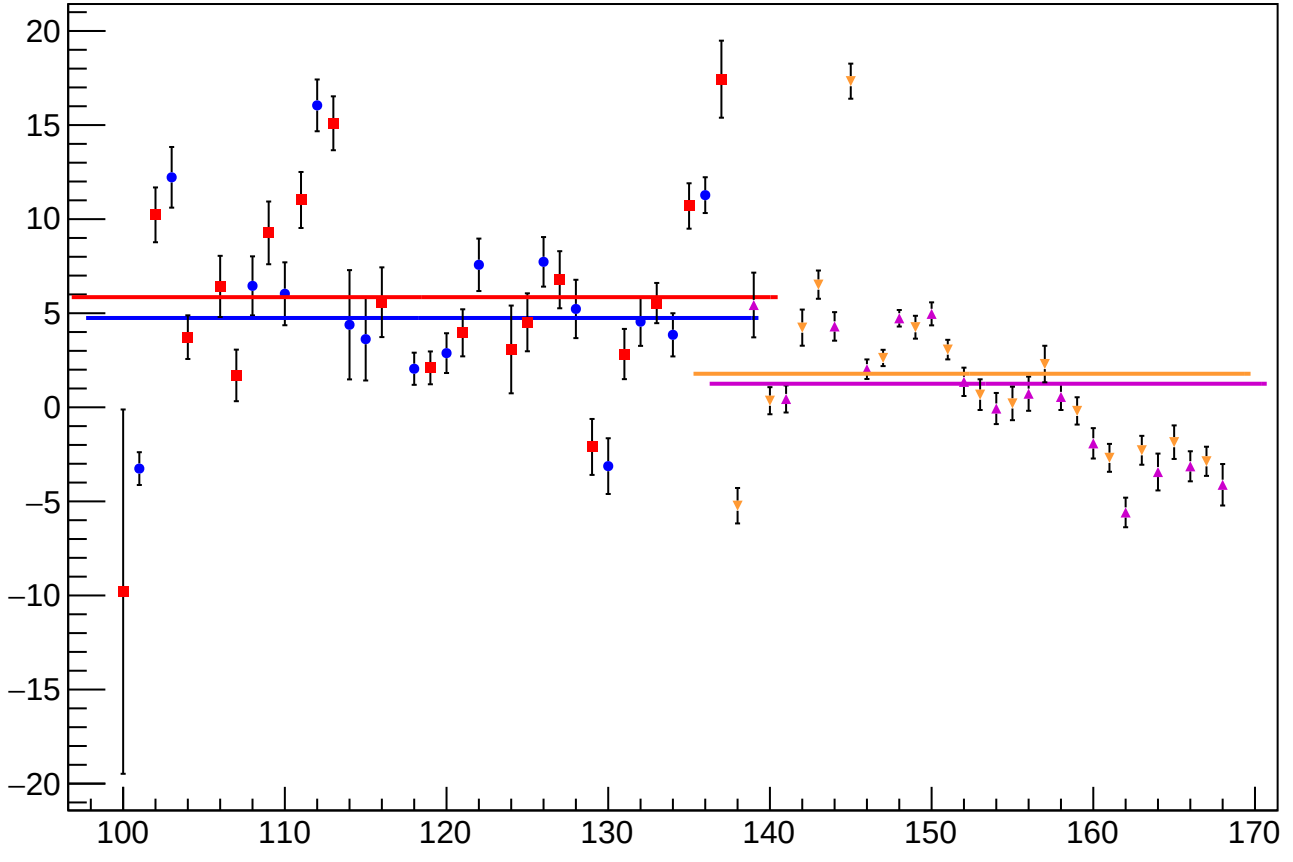
Left In: -35.251+/-0.272 χ^2/NDF:754.1/14

+ sign -36.940+/-0.202 χ^2/NDF: 2433.0/31

All: -37.159+/-0.143 χ^2/NDF: 4163.4/65

- sign -37.382+/-0.204 χ^2/NDF: 1727.9/33

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.783+/-0.180 χ^2/NDF:539.9/15

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

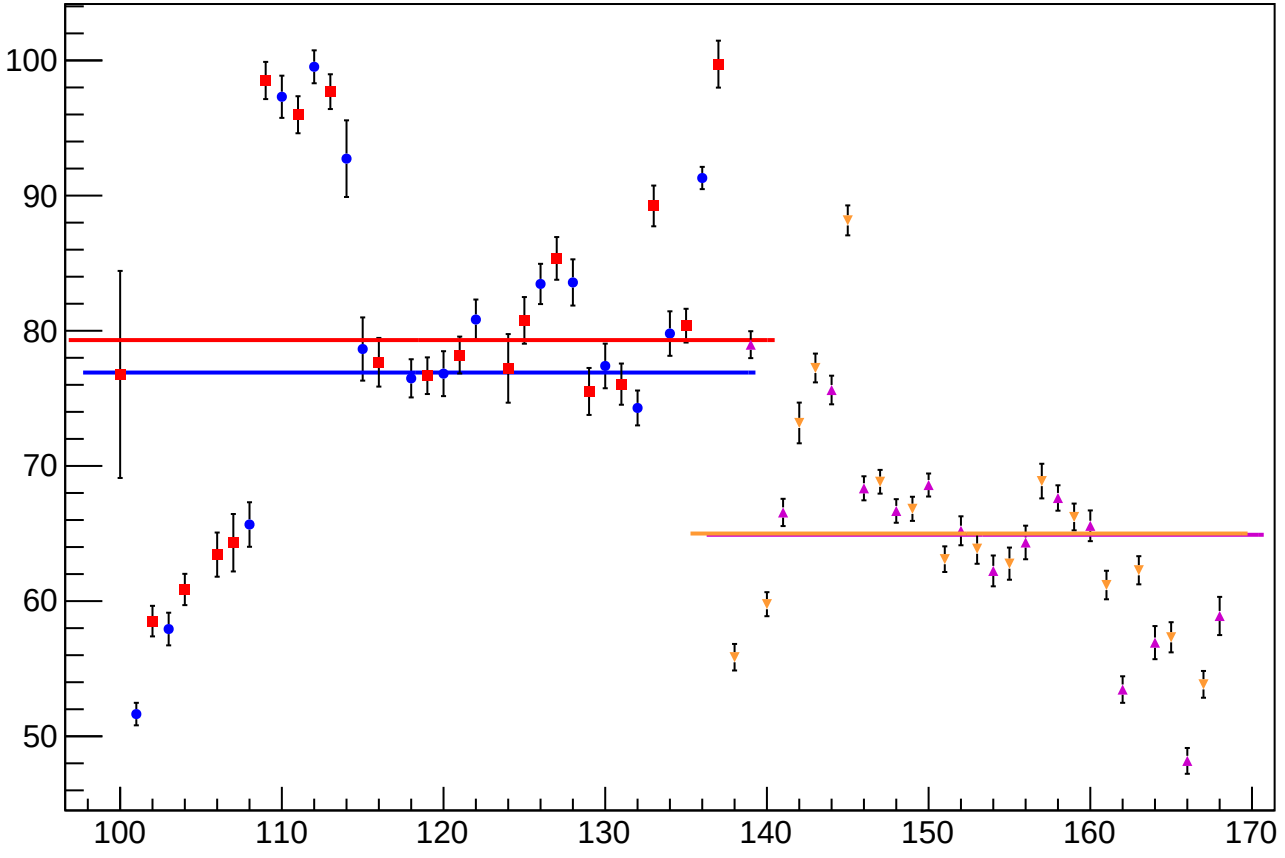
Left In: 1.252+/-0.187 χ^2/NDF:296.9/14

+ sign 2.508+/-0.156 χ^2/NDF: 880.2/31

All: 2.456+/-0.112 χ^2/NDF: 1516.4/65

- sign 2.401+/-0.162 χ^2/NDF: 636.0/33

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 65.000+/-0.259 χ^2/NDF:956.5/15

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

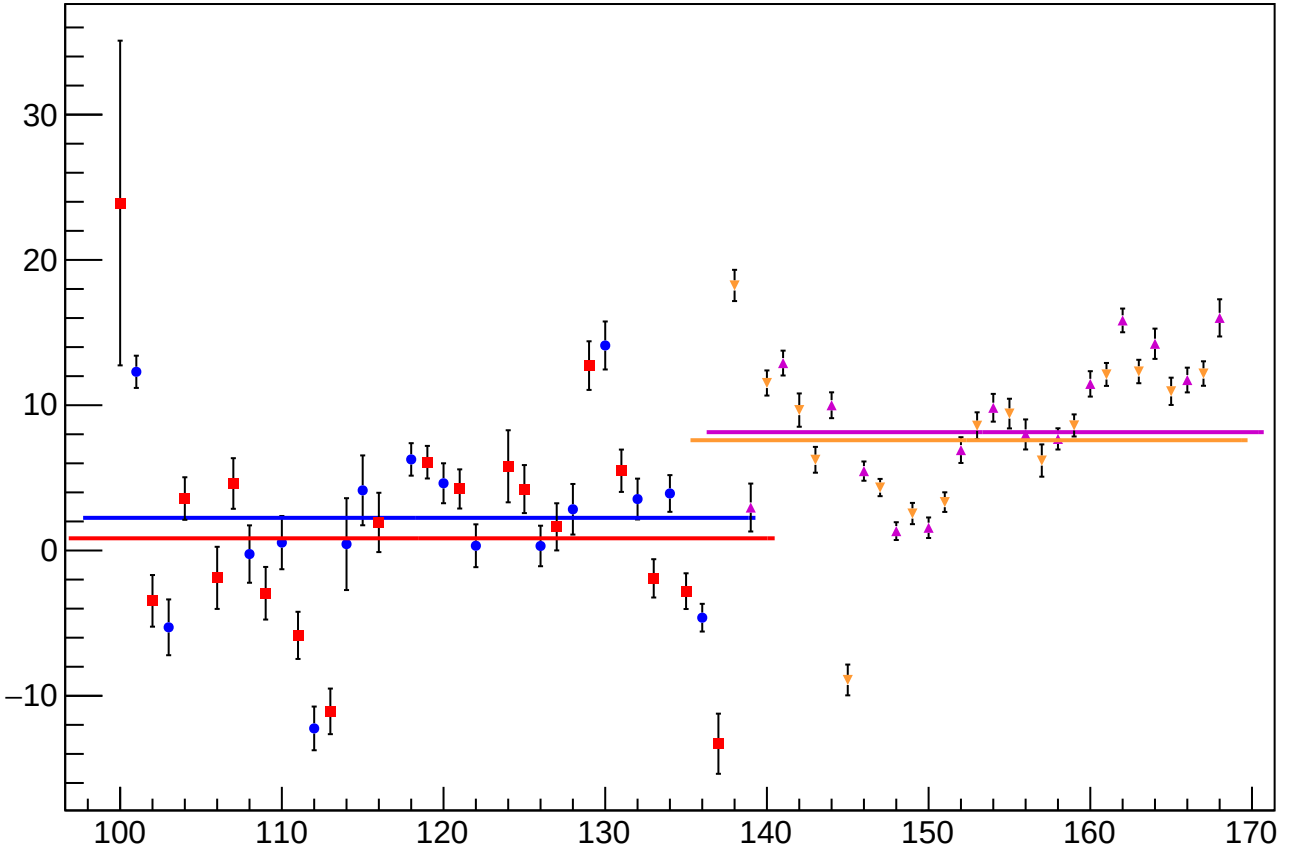
Left In: 64.907+/-0.264 χ^2/NDF:860.0/14

+ sign 69.429+/-0.205 χ^2/NDF: 3857.6/31

All: 69.793+/-0.147 χ^2/NDF: 7308.0/65

- sign 70.174+/-0.210 χ^2/NDF: 3444.1/33

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 7.591+/-0.211 χ^2/NDF:602.1/15

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

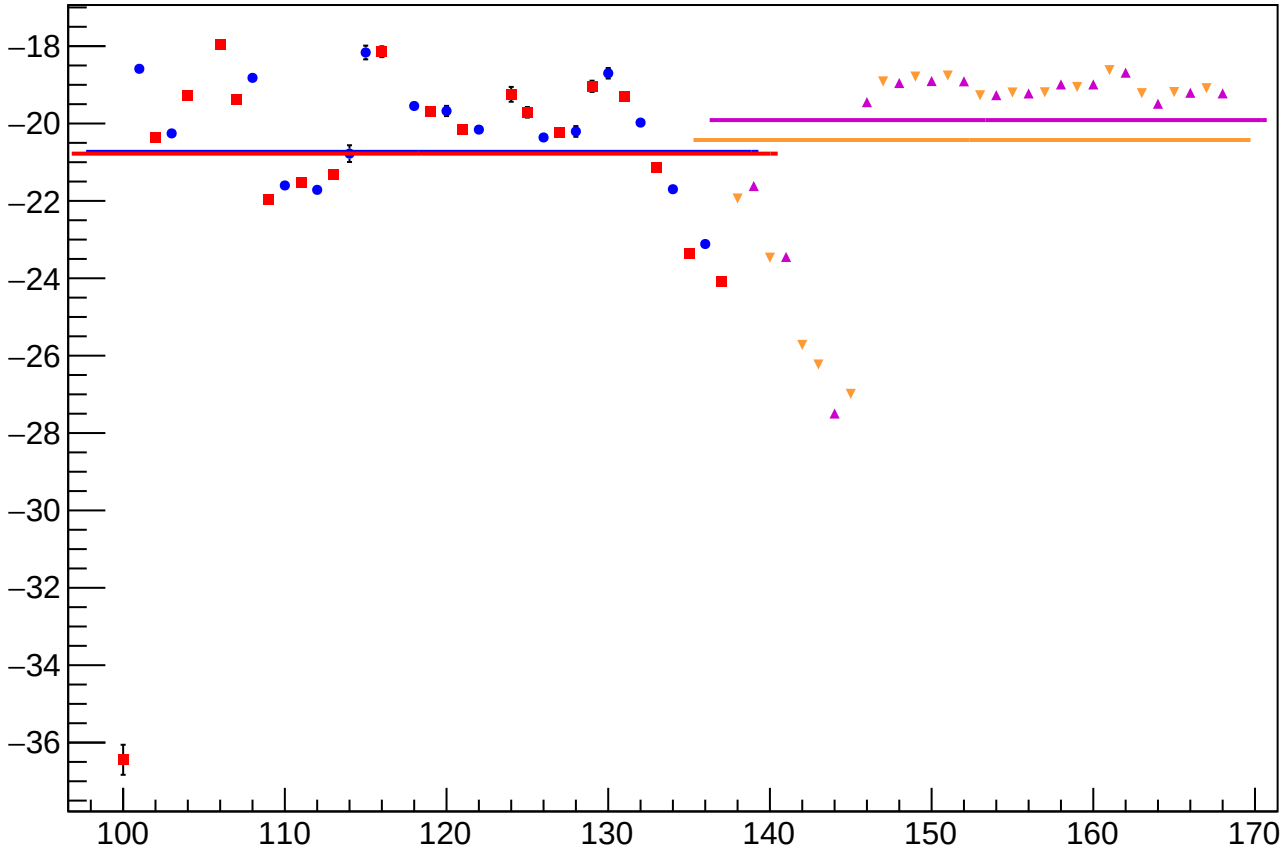
Left In: 8.145+/-0.219 χ^2/NDF:470.3/14

+ sign 6.238+/-0.183 χ^2/NDF: 1083.4/31

All: 6.251+/-0.131 χ^2/NDF: 2096.2/65

- sign 6.265+/-0.189 χ^2/NDF: 1012.8/33

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.426+/-0.010 χ^2/NDF:69662.2/15

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

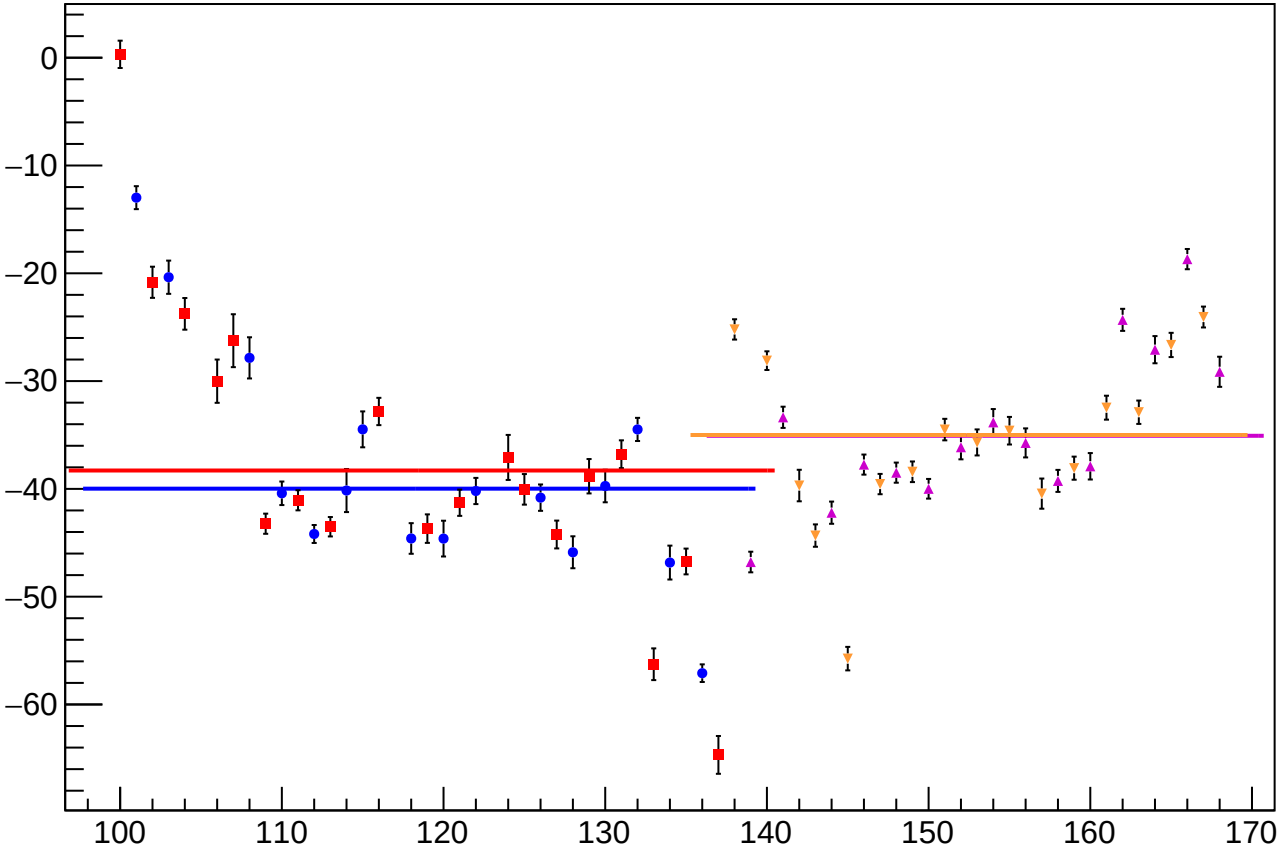
Left In: -19.911+/-0.010 χ^2/NDF:41290.4/14

+ sign -20.489+/-0.009 χ^2/NDF: 77494.0/31

All: -20.289+/-0.006 χ^2/NDF: 130736.7/65

- sign -20.082+/-0.009 χ^2/NDF: 52197.6/33

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -35.001+/-0.266 χ^2/NDF:876.5/15

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

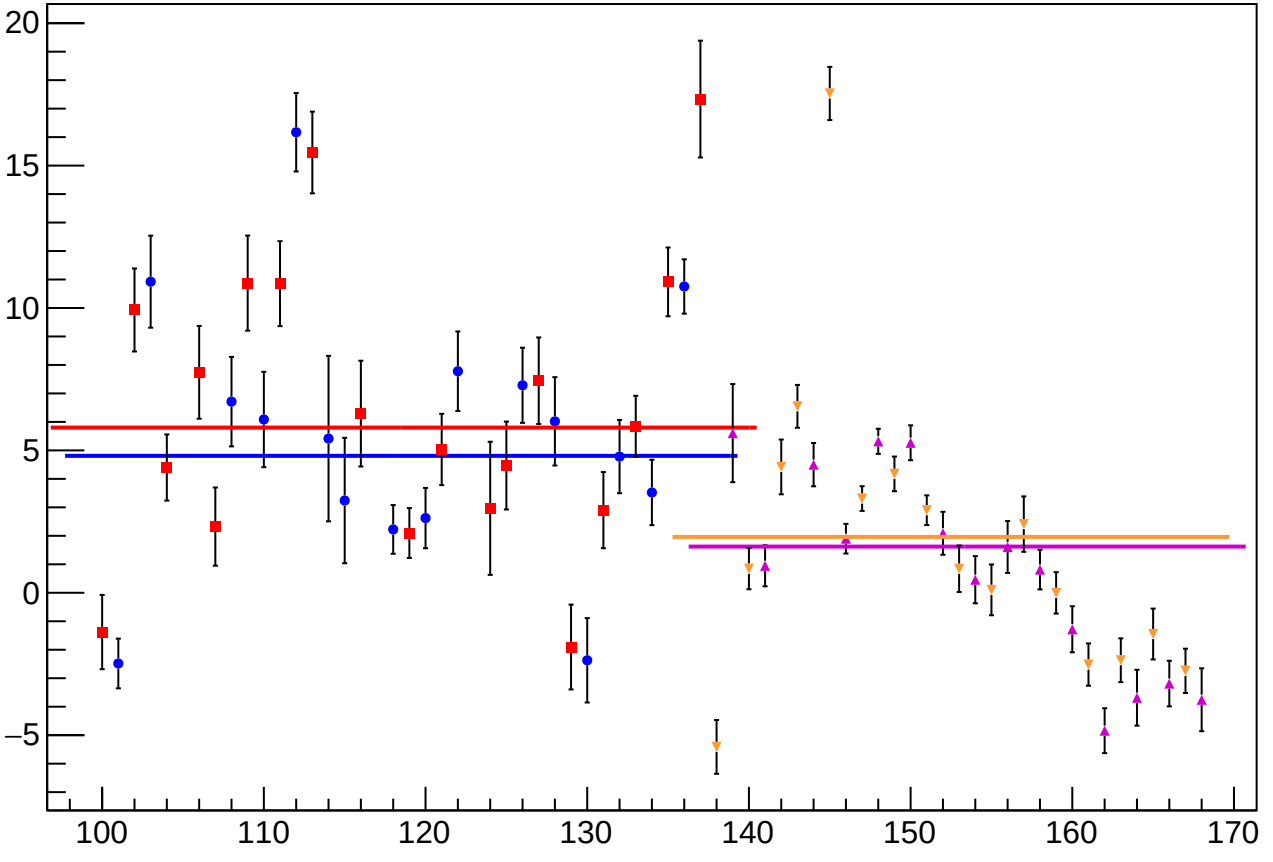
Left In: -35.074+/-0.273 χ^2/NDF:748.8/14

+ sign -37.105+/-0.202 χ^2/NDF: 2422.7/31

All: -36.821+/-0.143 χ^2/NDF: 5012.5/65

- sign -36.538+/-0.202 χ^2/NDF: 2585.9/33

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 1.962+/-0.180 χ^2/NDF:544.5/15

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

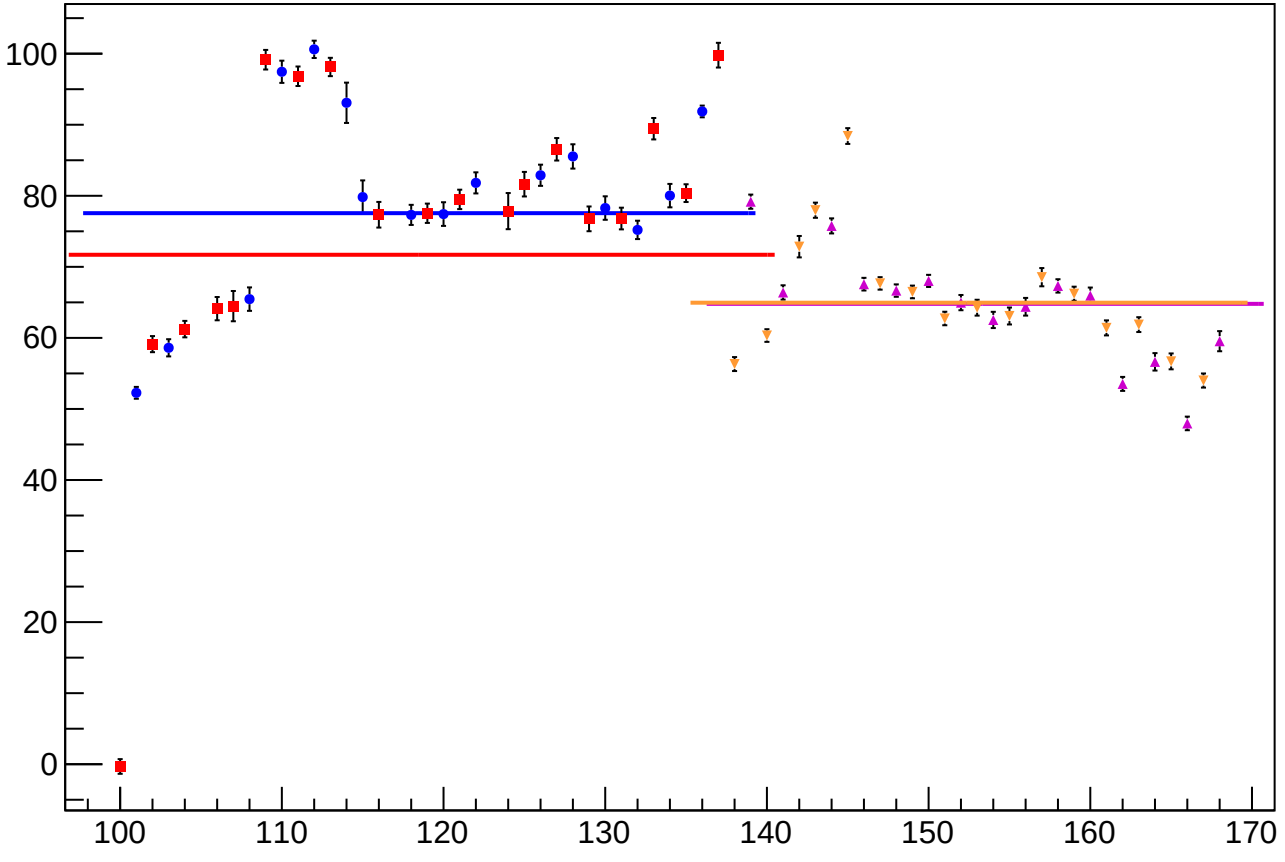
Left In: 1.622+/-0.187 χ^2/NDF:299.7/14

+ sign 2.658+/-0.156 χ^2/NDF: 846.1/31

All: 2.685+/-0.112 χ^2/NDF: 1492.4/65

- sign 2.713+/-0.161 χ^2/NDF: 646.2/33

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 64.953+/-0.260 χ^2/NDF:953.4/15

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

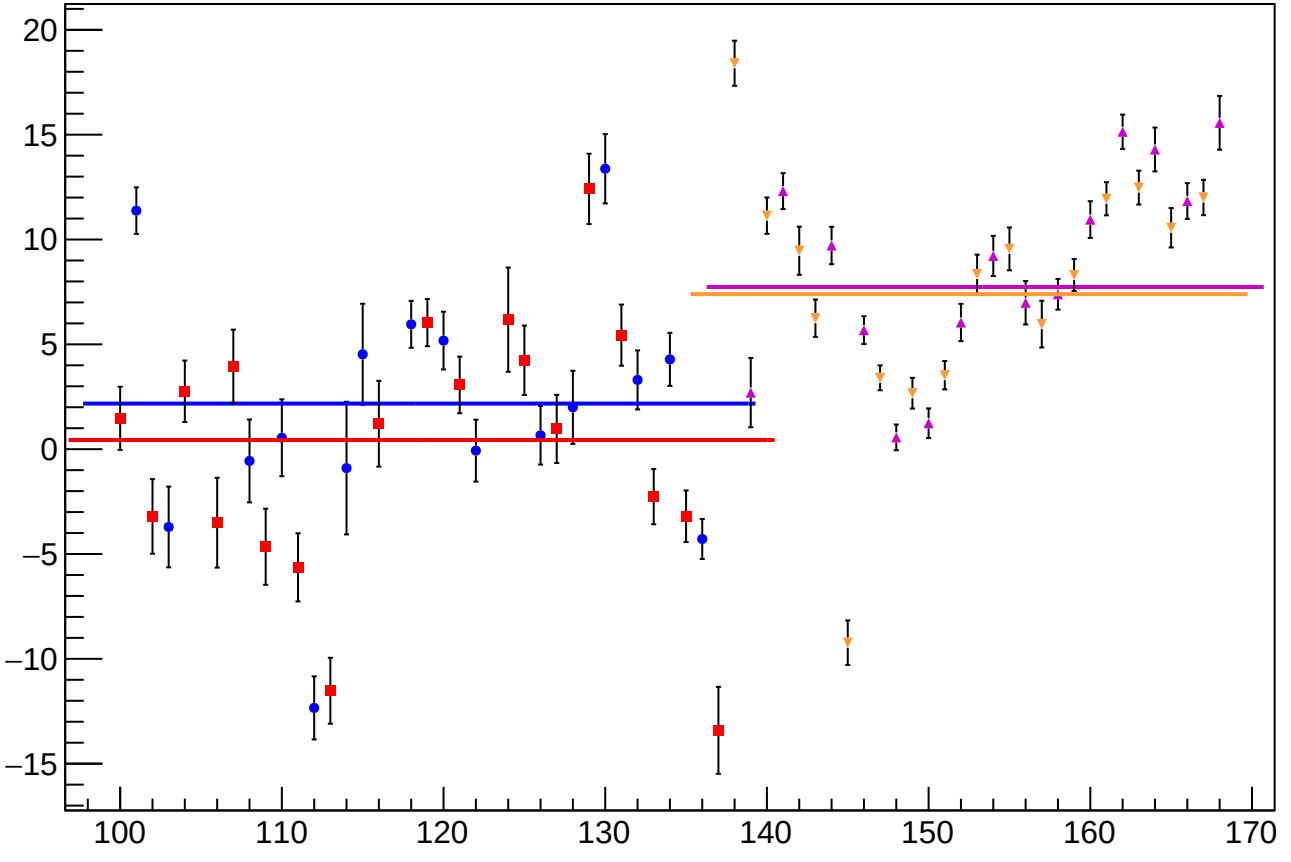
Left In: 64.791+/-0.265 χ^2/NDF:856.3/14

+ sign 69.640+/-0.206 χ^2/NDF: 3947.8/31

All: 68.569+/-0.146 χ^2/NDF: 12028.3/65

- sign 67.489+/-0.207 χ^2/NDF: 8026.2/33

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 7.394+/-0.212 χ^2/NDF:615.4/15

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

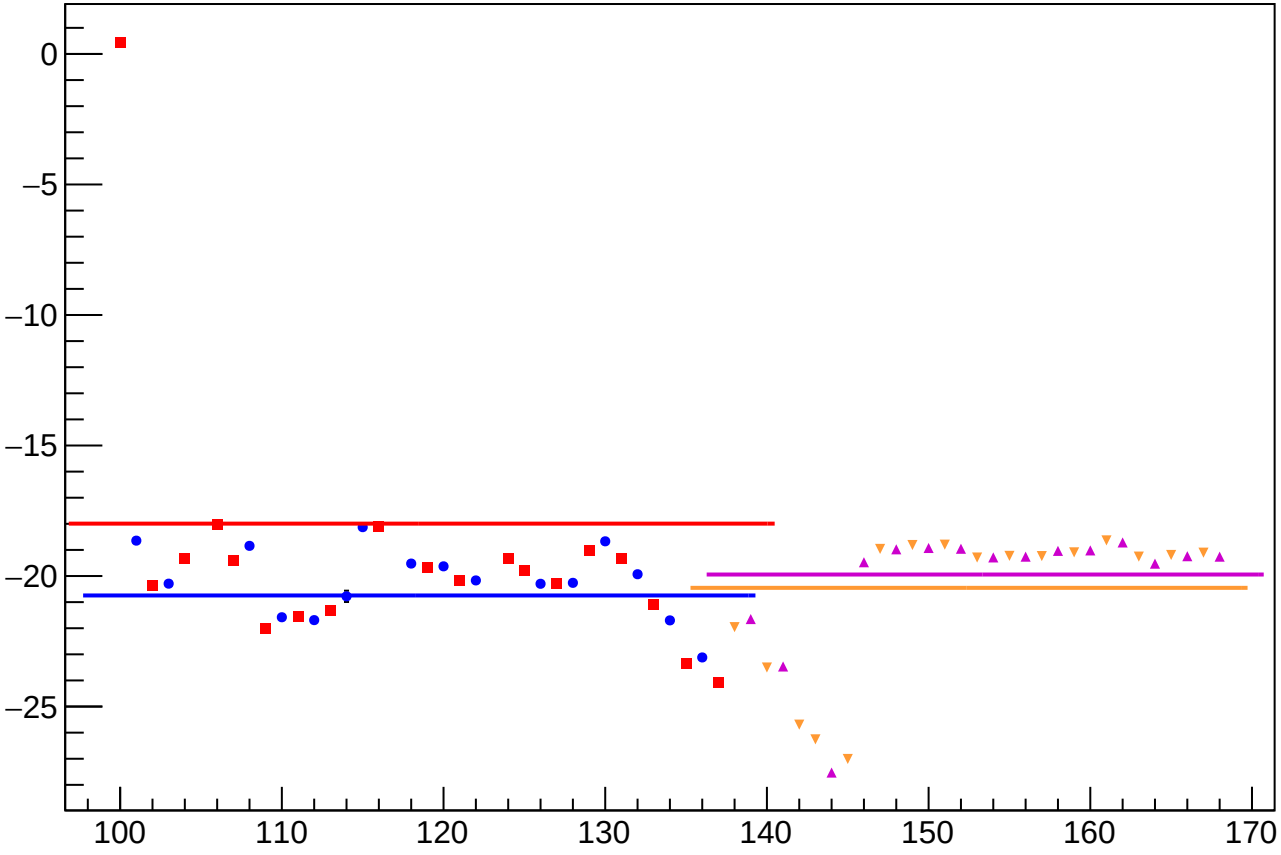
Left In: 7.735+/-0.219 χ^2/NDF:475.7/14

+ sign 6.073+/-0.183 χ^2/NDF: 1059.6/31

All: 5.927+/-0.131 χ^2/NDF: 2087.9/65

- sign 5.773+/-0.188 χ^2/NDF: 1027.0/33

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -20.453+/-0.010 χ^2/NDF:69236.5/15

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

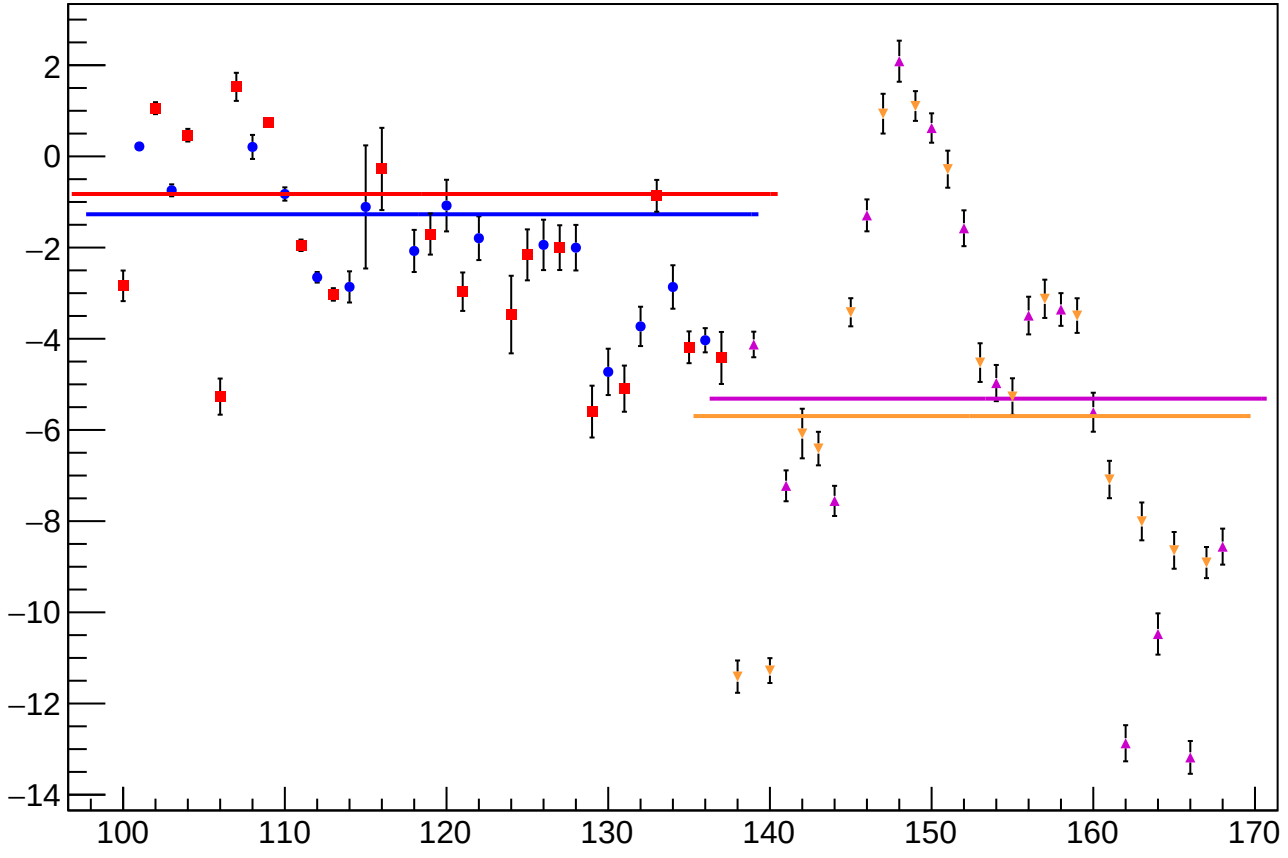
Left In: -19.942+/-0.010 χ^2/NDF:41104.5/14

+ sign -20.513+/-0.009 χ^2/NDF: 76928.6/31

All: -20.014+/-0.006 χ^2/NDF: 283305.8/65

- sign -19.514+/-0.009 χ^2/NDF: 200003.0/33

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.696+/-0.094 χ^2/NDF:1845.0/15

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

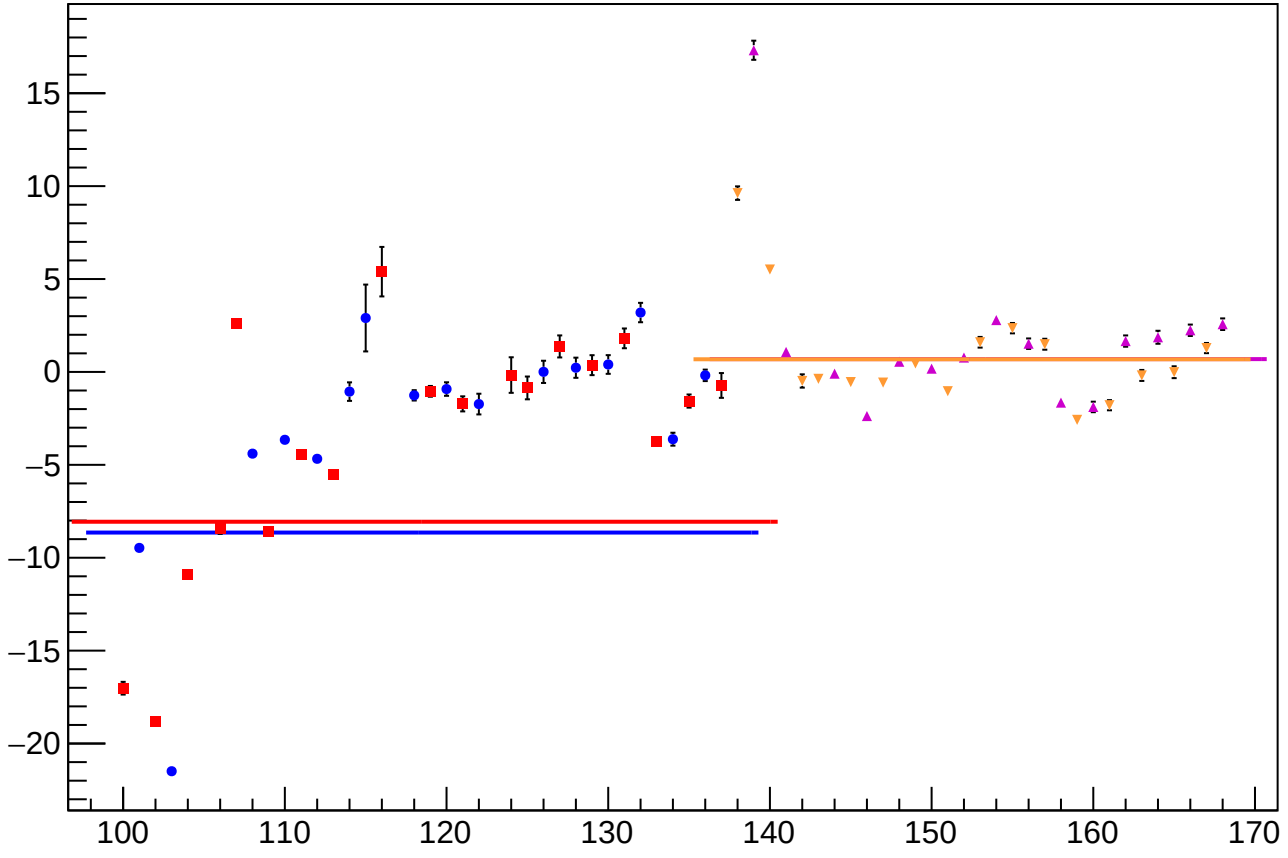
Left In: -5.314+/-0.095 χ^2/NDF:2017.4/14

+ sign -2.392+/-0.047 χ^2/NDF: 4131.9/31

All: -2.097+/-0.033 χ^2/NDF: 9338.2/65

- sign -1.829+/-0.045 χ^2/NDF: 5131.6/33

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.681+/-0.066 χ^2/NDF:1504.4/15

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

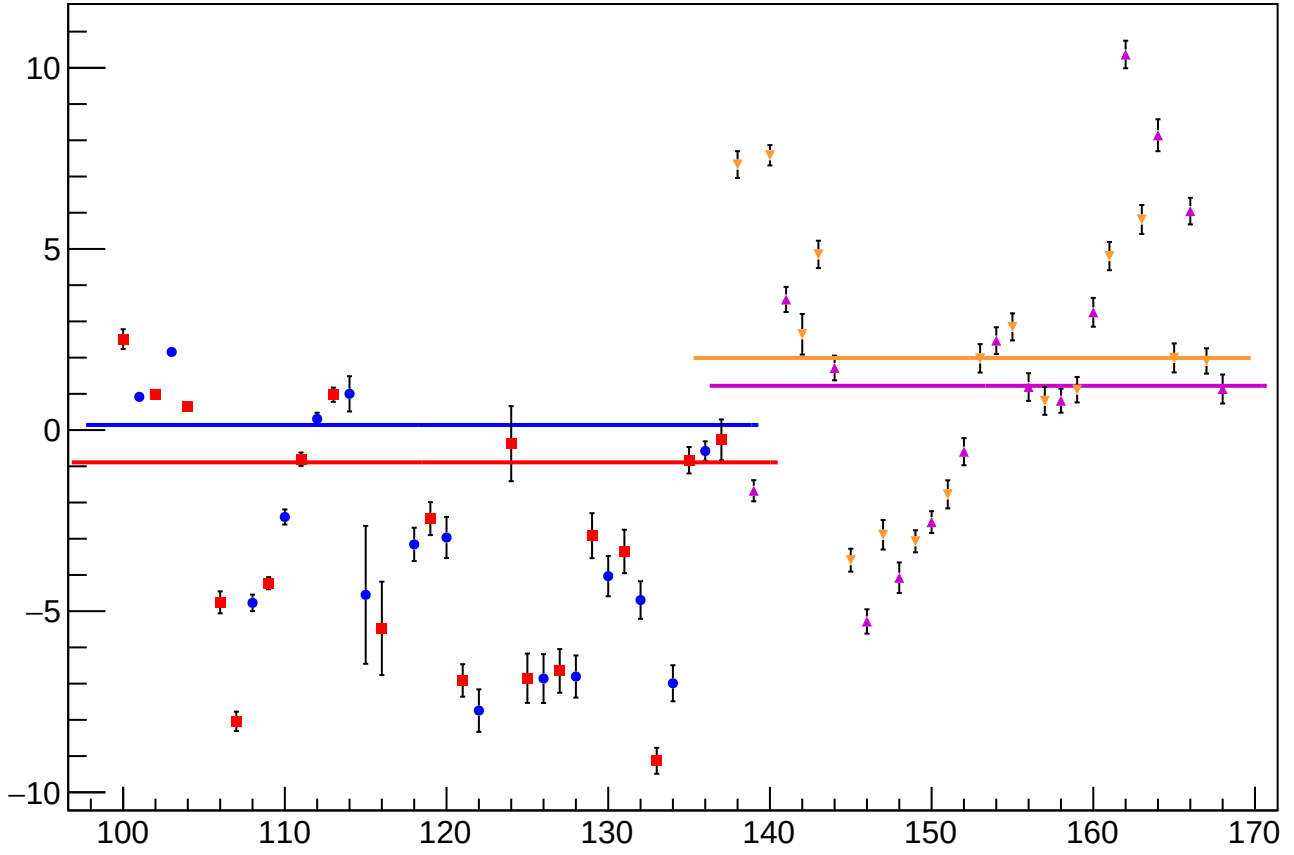
Left In: 0.690+/-0.069 χ^2/NDF:1594.9/14

+ sign -4.674+/-0.043 χ^2/NDF: 26755.6/31

All: -4.573+/-0.031 χ^2/NDF: 52307.1/65

- sign -4.468+/-0.044 χ^2/NDF: 25540.3/33

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.991+/-0.092 χ^2/NDF:1654.2/15

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

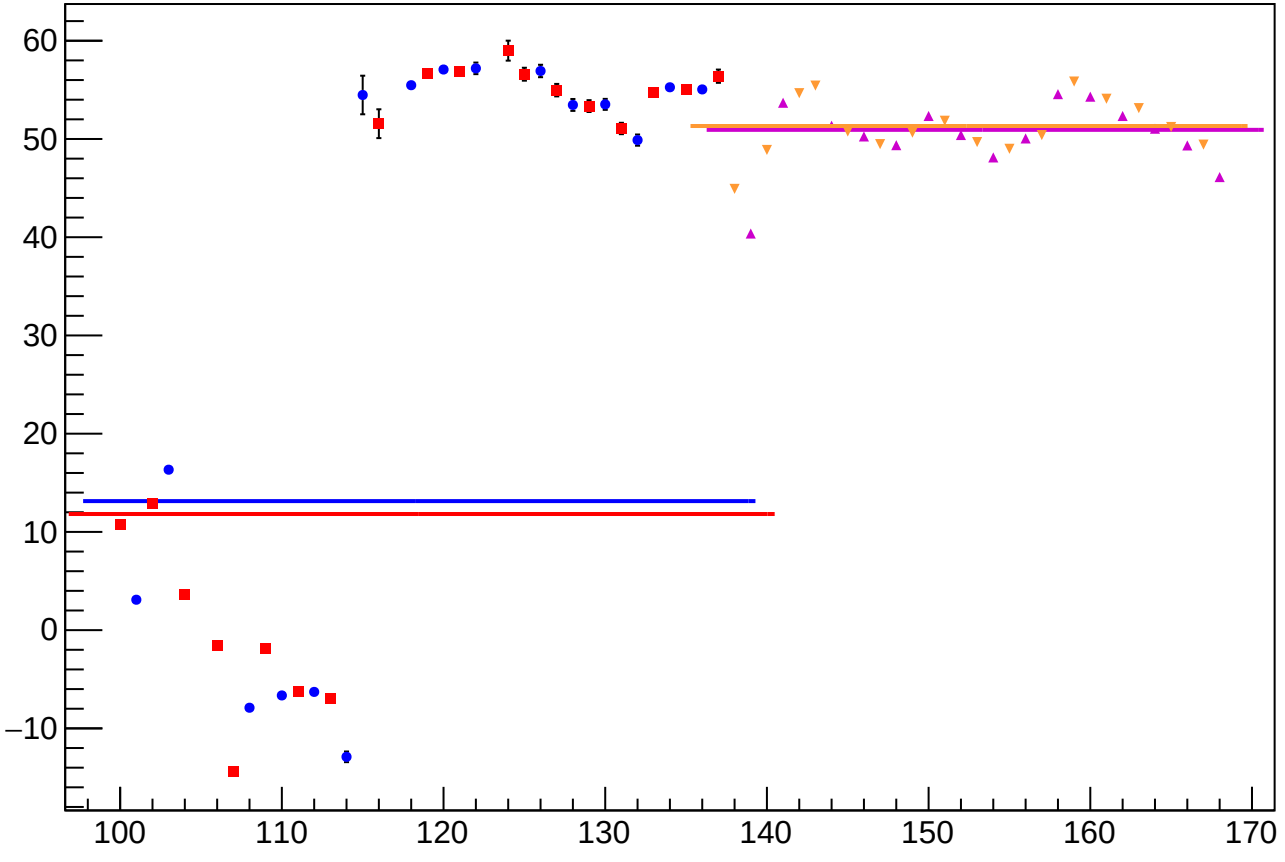
Left In: 1.222+/-0.093 χ^2/NDF:1895.0/14

+ sign 0.605+/-0.046 χ^2/NDF: 3919.9/31

All: 0.128+/-0.033 χ^2/NDF: 9409.9/65

- sign -0.360+/-0.046 χ^2/NDF: 5270.8/33

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.320+/-0.077 χ^2/NDF:1139.9/15

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

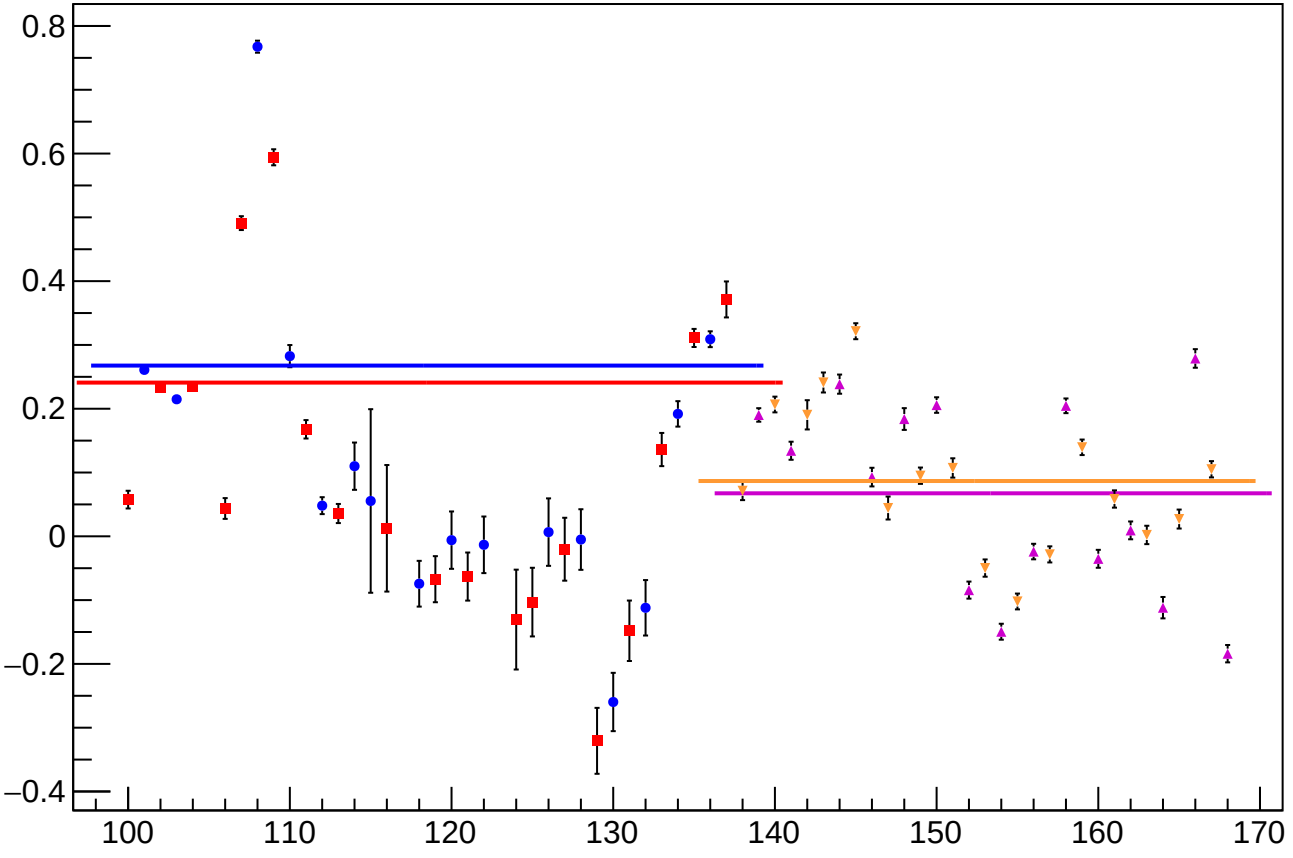
Left In: 50.930+/-0.079 χ^2/NDF:1243.7/14

+ sign 29.974+/-0.051 χ^2/NDF: 248991.7/31

All: 29.198+/-0.036 χ^2/NDF: 509714.1/65

- sign 28.400+/-0.051 χ^2/NDF: 260248.8/33

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.087+/-0.003 χ^2/NDF:1065.8/15

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

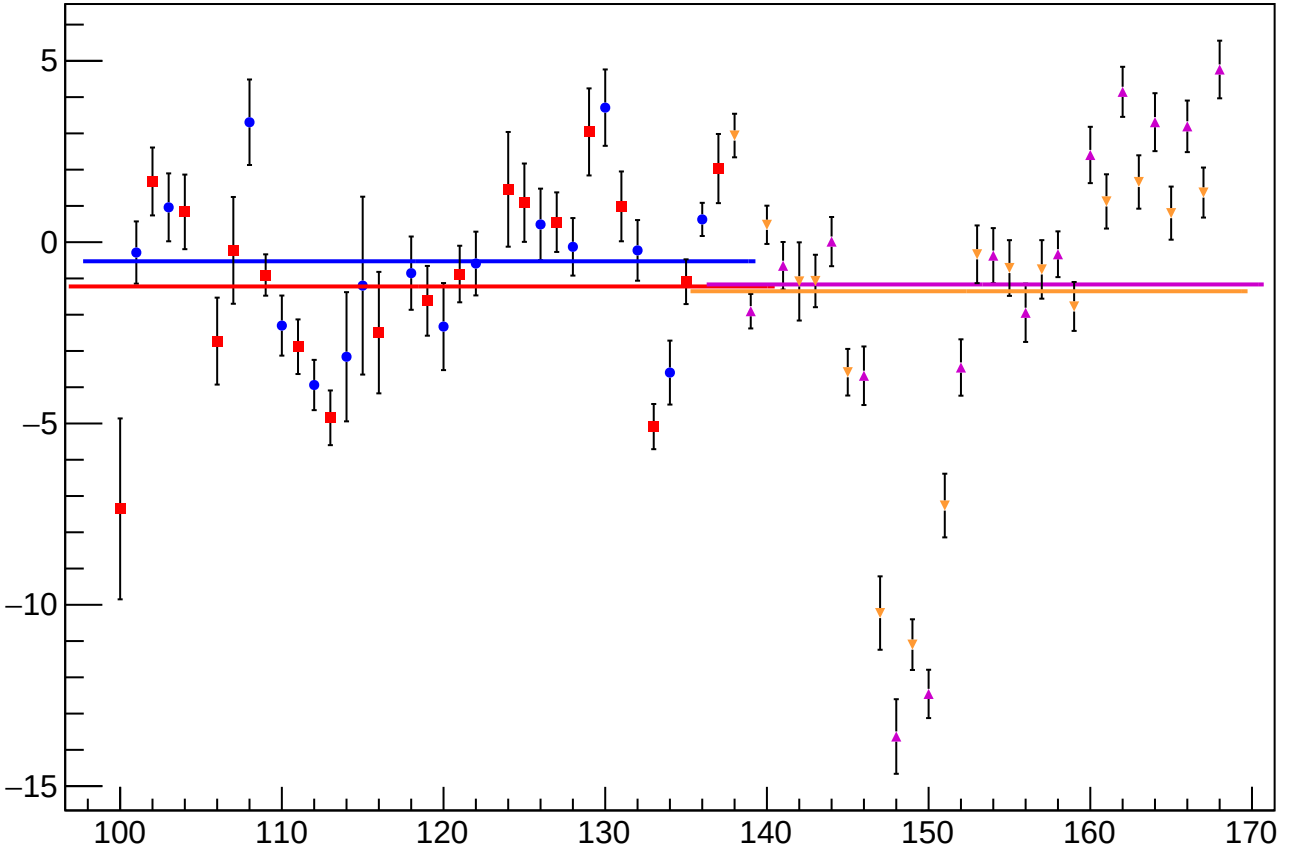
Left In: 0.067+/-0.003 χ^2/NDF:1830.0/14

+ sign 0.196+/-0.002 χ^2/NDF: 6437.2/31

All: 0.185+/-0.002 χ^2/NDF: 12201.7/65

- sign 0.174+/-0.002 χ^2/NDF: 5710.5/33

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -1.353+/-0.181 χ^2/NDF:447.2/15

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

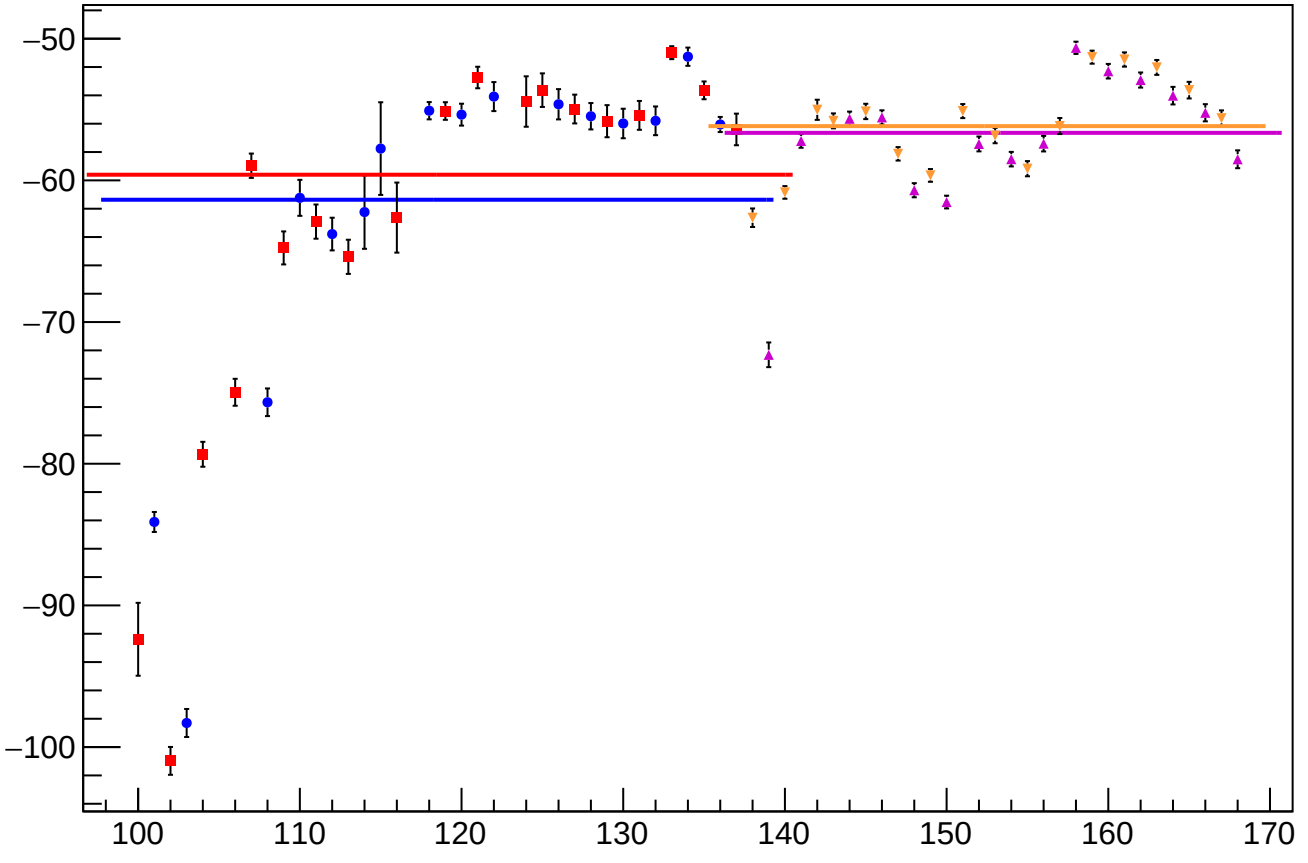
Left In: -1.166+/-0.183 χ^2/NDF:667.2/14

+ sign -1.014+/-0.139 χ^2/NDF: 538.5/31

All: -1.104+/-0.097 χ^2/NDF: 1337.5/65

- sign -1.190+/-0.136 χ^2/NDF: 798.2/33

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.171+/-0.131 χ^2/NDF:609.7/15

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

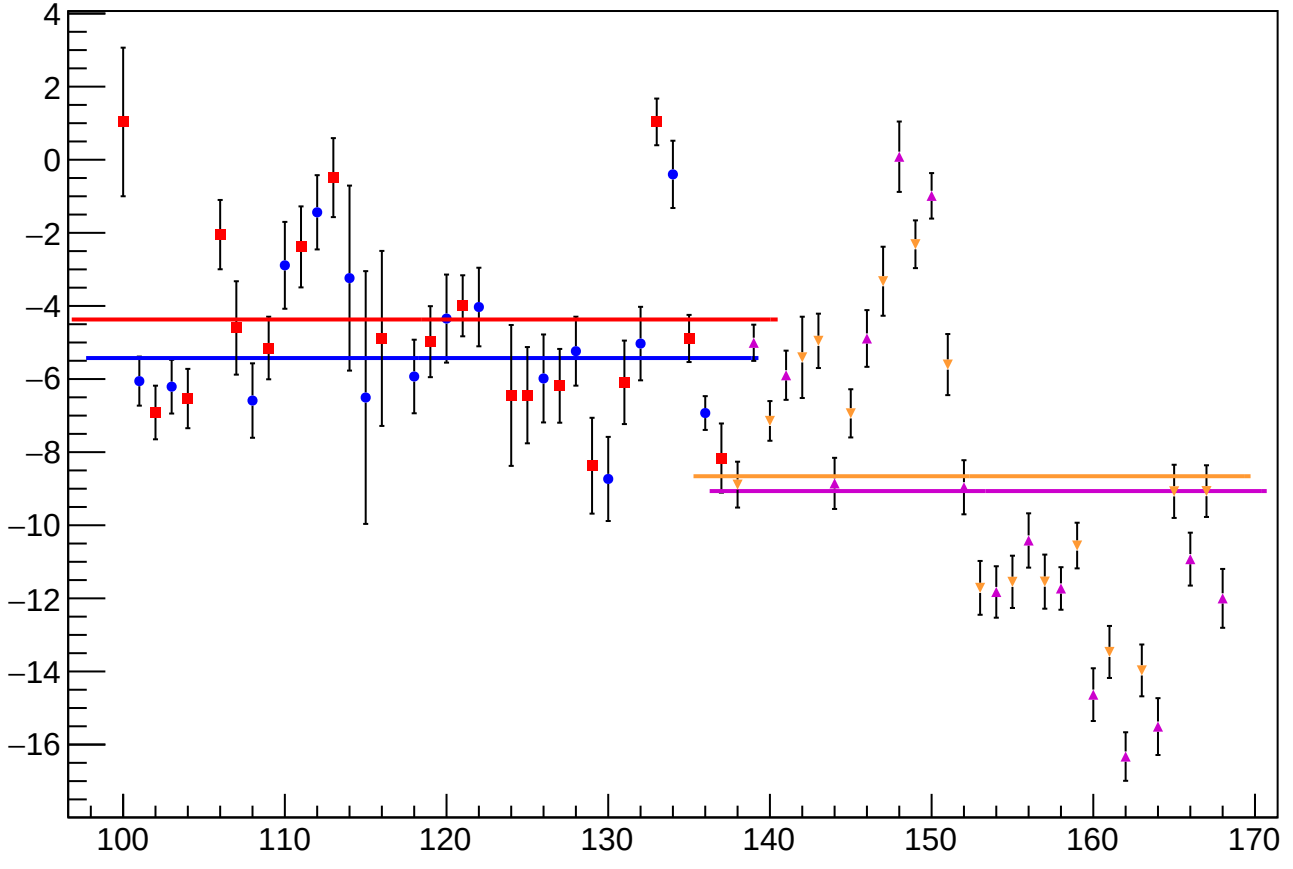
Left In: -56.645+/-0.137 χ^2/NDF:878.8/14

+ sign -57.541+/-0.112 χ^2/NDF: 4375.4/31

All: -57.542+/-0.080 χ^2/NDF: 8818.0/65

- sign -57.543+/-0.114 χ^2/NDF: 4442.6/33

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -8.659+/-0.177 χ^2/NDF:348.1/15

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

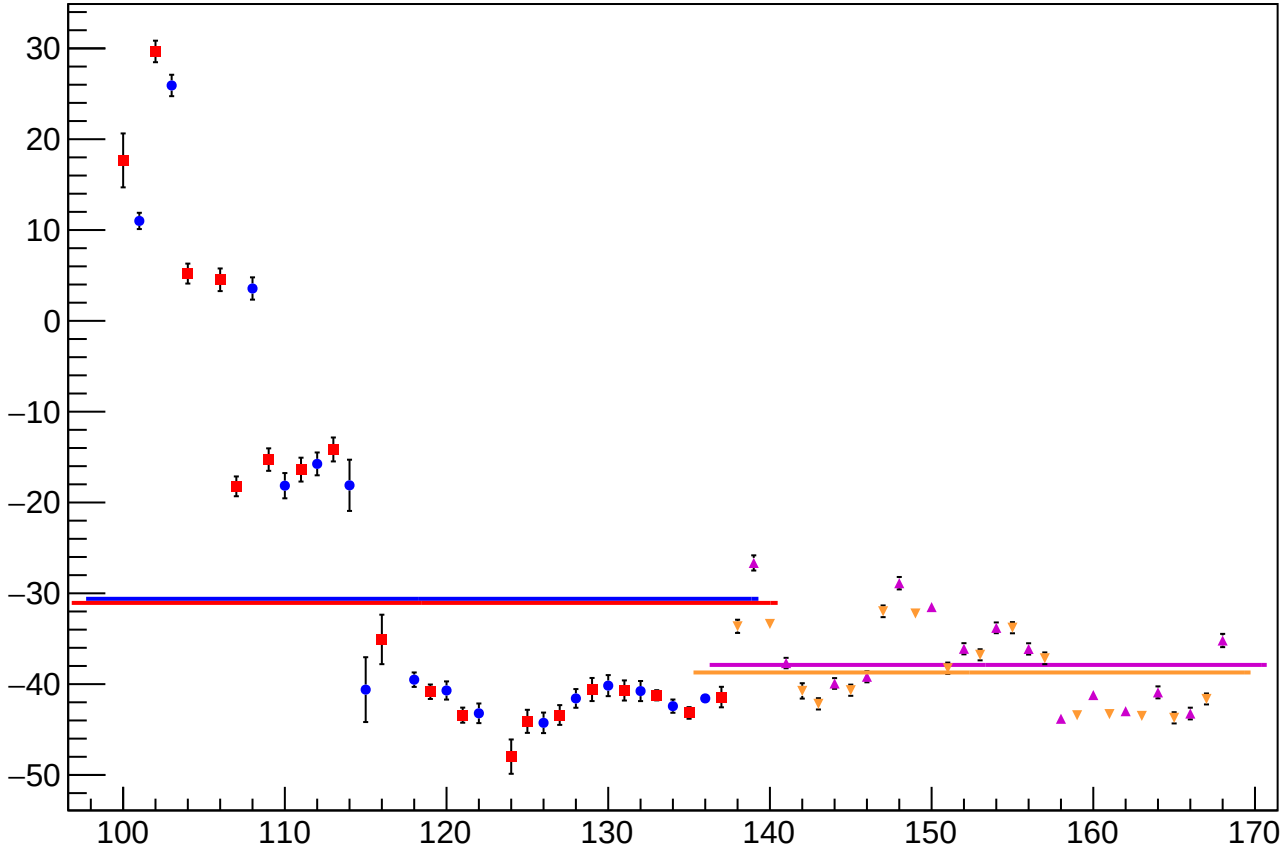
Left In: -9.065+/-0.178 χ^2/NDF:684.3/14

+ sign -7.452+/-0.140 χ^2/NDF: 548.0/31

All: -7.341+/-0.099 χ^2/NDF: 1661.5/65

- sign -7.232+/-0.139 χ^2/NDF: 1112.2/33

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -38.717+/-0.150 χ^2/NDF:863.5/15

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

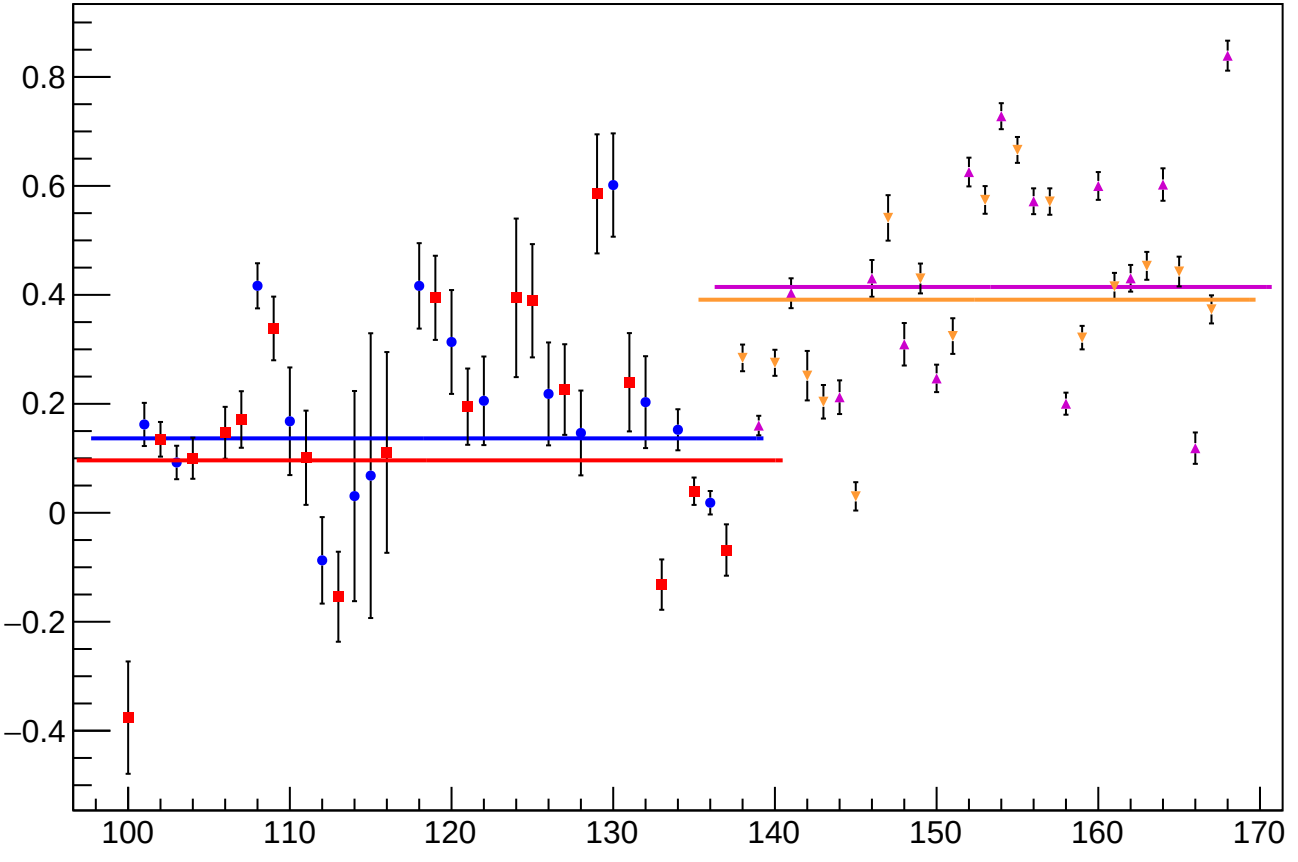
Left In: -37.883+/-0.155 χ^2/NDF:977.8/14

+ sign -36.566+/-0.128 χ^2/NDF: 8579.0/31

All: -36.214+/-0.091 χ^2/NDF: 17127.9/65

- sign -35.855+/-0.130 χ^2/NDF: 8533.7/33

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.391+/-0.007 χ^2/NDF:562.6/15

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

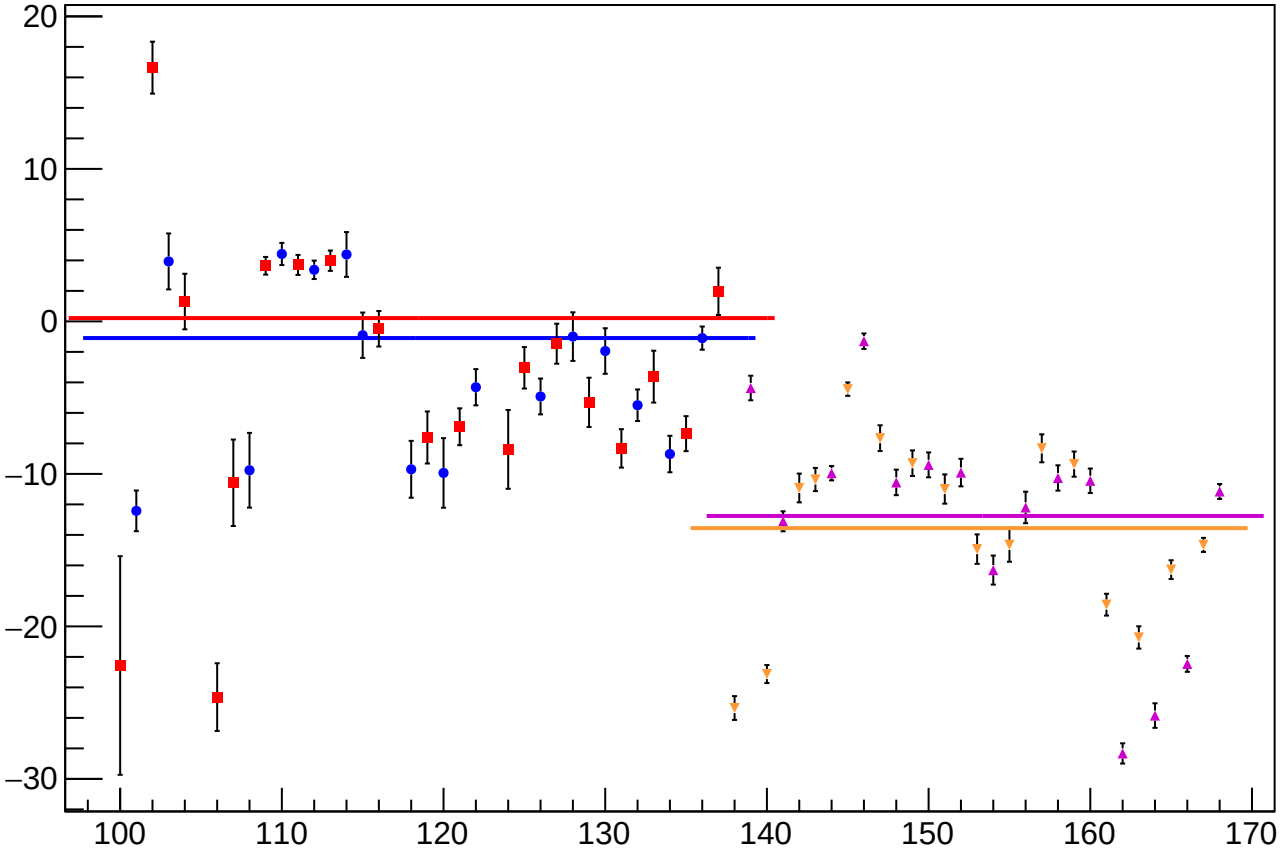
Left In: 0.415+/-0.007 χ^2/NDF:1125.2/14

+ sign 0.335+/-0.006 χ^2/NDF: 1014.4/31

All: 0.339+/-0.004 χ^2/NDF: 2805.0/65

- sign 0.344+/-0.006 χ^2/NDF: 1789.5/33

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -13.555+/-0.177 χ^2/NDF:1253.2/15

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

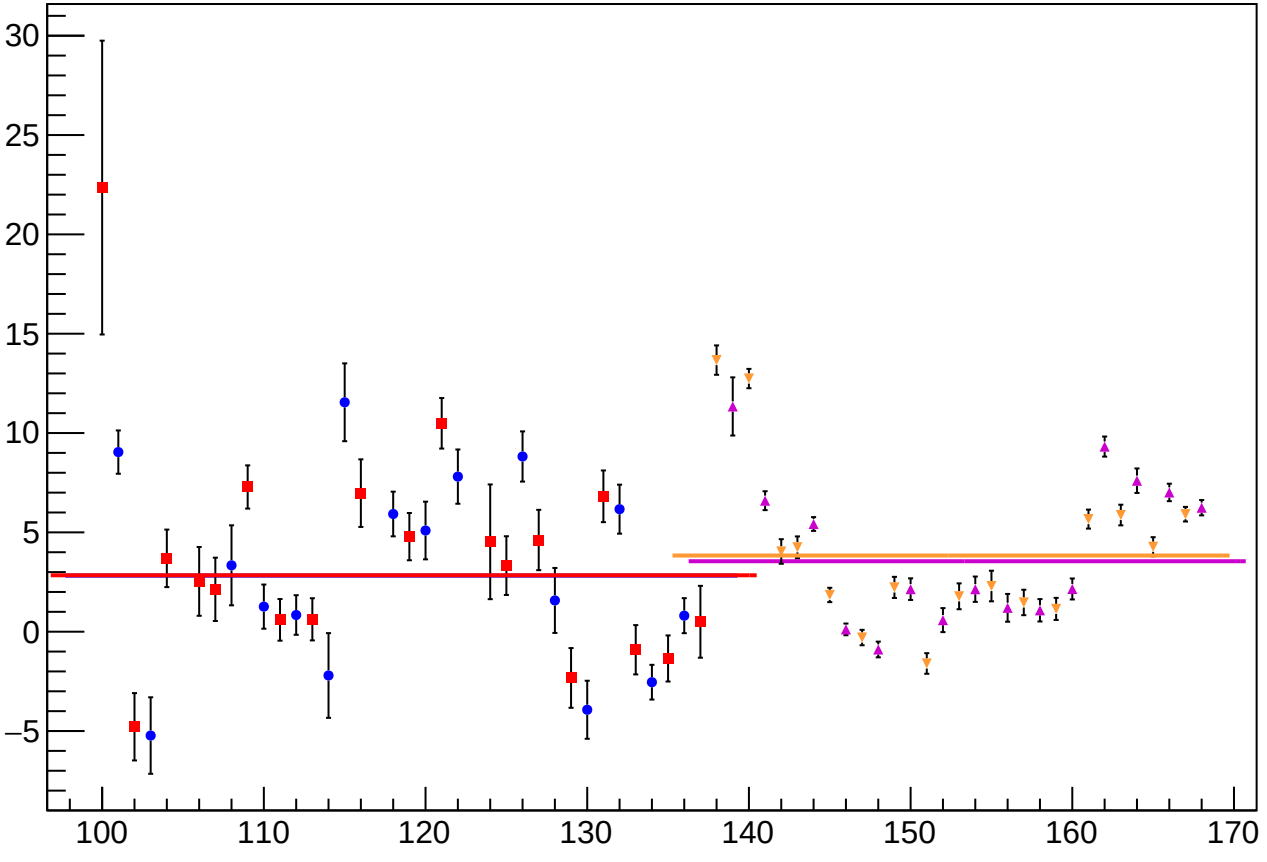
Left In: -12.758+/-0.174 χ^2/NDF:1897.0/14

+ sign -10.019+/-0.149 χ^2/NDF: 2998.5/31

All: -9.437+/-0.104 χ^2/NDF: 7112.5/65

- sign -8.885+/-0.145 χ^2/NDF: 4084.5/33

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.835+/-0.126 χ^2/NDF:889.2/15

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

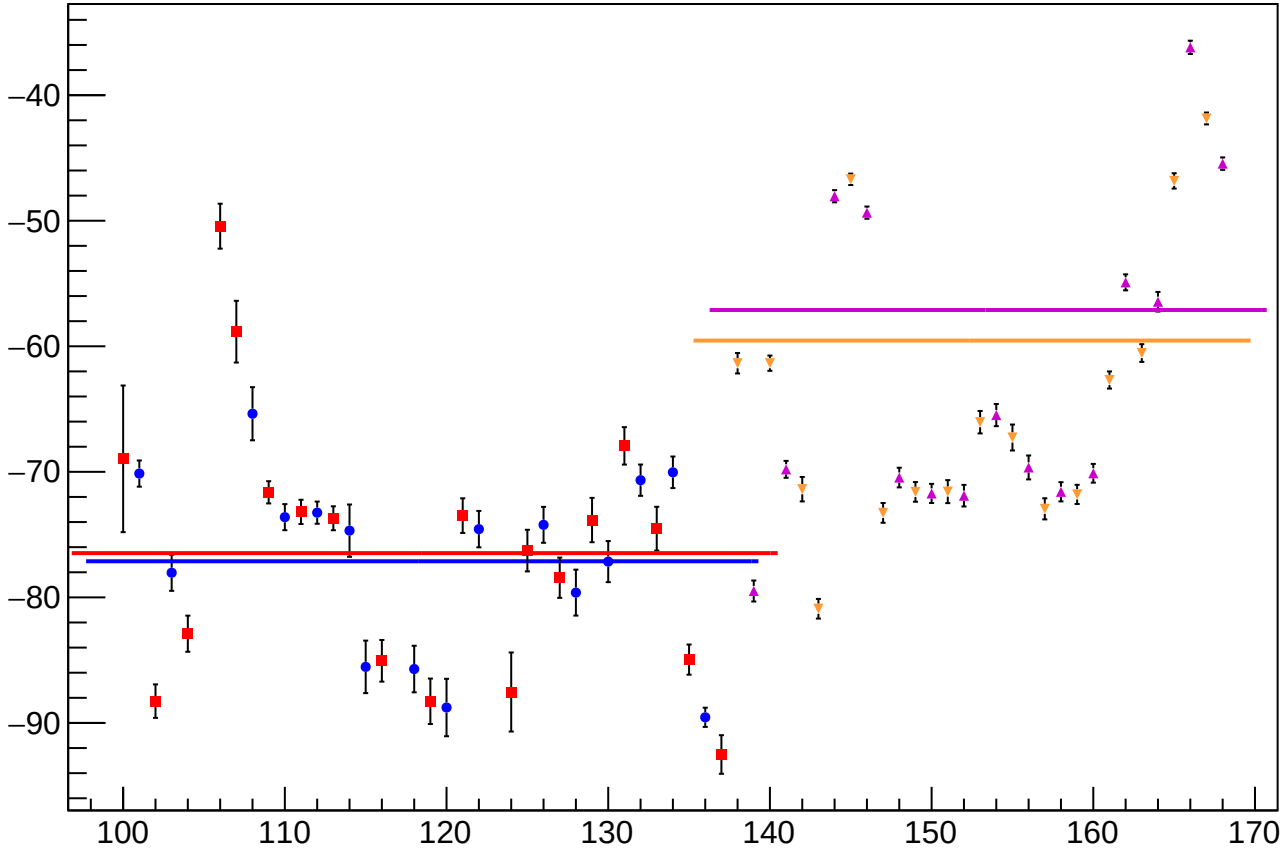
Left In: 3.547+/-0.122 χ^2/NDF:718.2/14

+ sign 3.694+/-0.117 χ^2/NDF: 1097.7/31

All: 3.573+/-0.082 χ^2/NDF: 1967.1/65

- sign 3.458+/-0.114 χ^2/NDF: 867.3/33

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -59.543+/-0.175 χ^2/NDF:4886.9/15

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

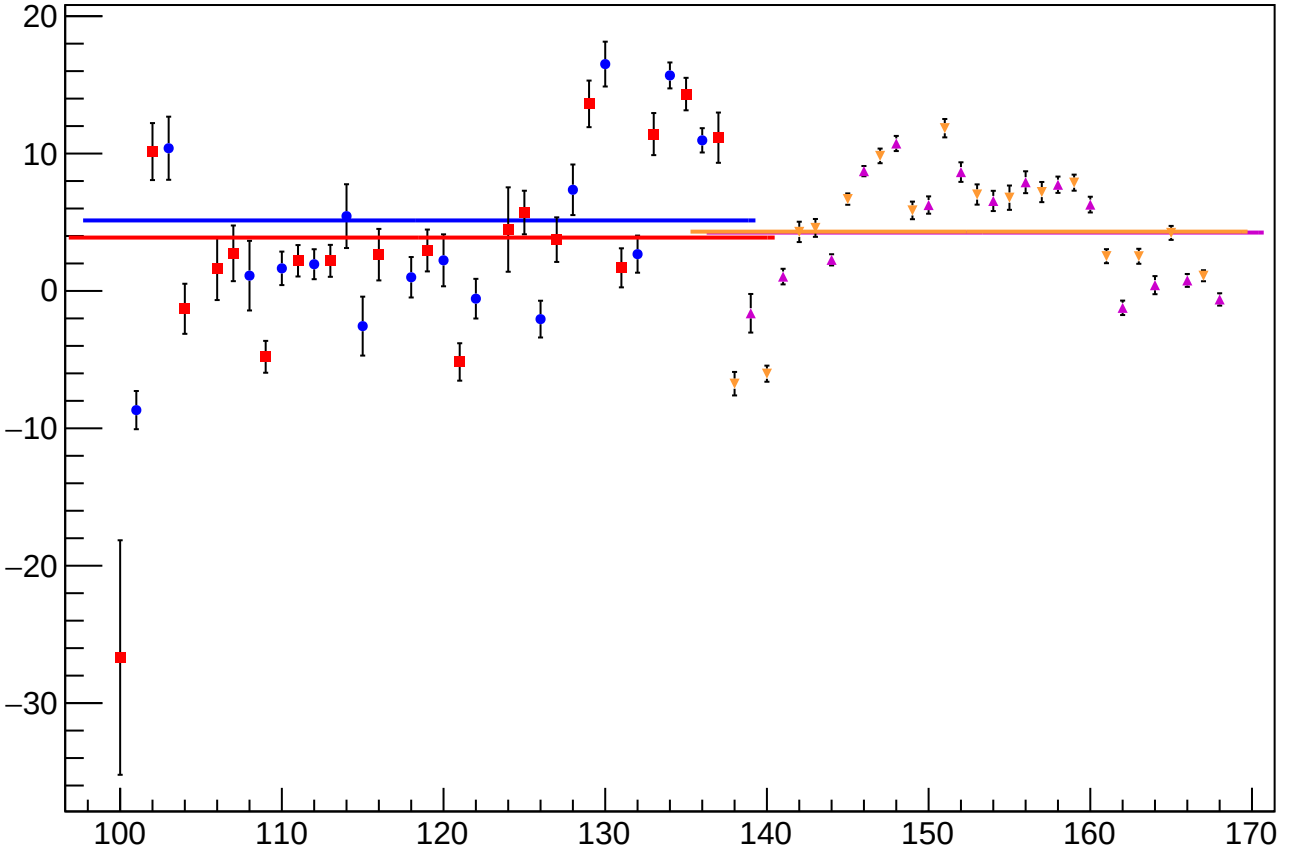
Left In: -57.110+/-0.171 χ^2/NDF:5676.9/14

+ sign -63.461+/-0.154 χ^2/NDF: 7646.2/31

All: -62.321+/-0.108 χ^2/NDF: 16864.5/65

- sign -61.220+/-0.151 χ^2/NDF: 9110.6/33

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.317+/-0.145 χ^2/NDF:911.7/15

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

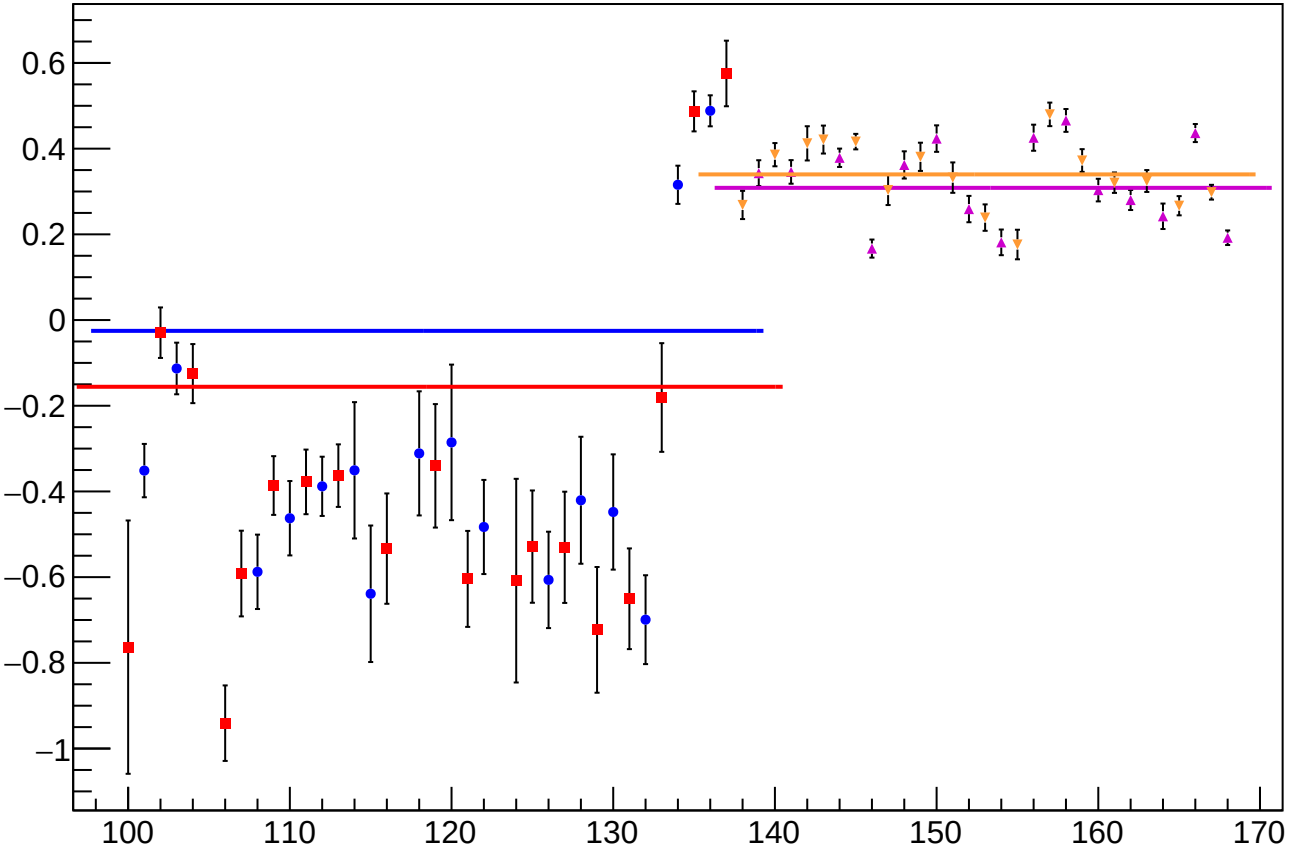
Left In: 4.249+/-0.142 χ^2/NDF:797.2/14

+ sign 4.436+/-0.134 χ^2/NDF: 1328.7/31

All: 4.317+/-0.094 χ^2/NDF: 2419.8/65

- sign 4.200+/-0.132 χ^2/NDF: 1089.6/33

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.340+/-0.007 χ^2/NDF:115.8/15

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

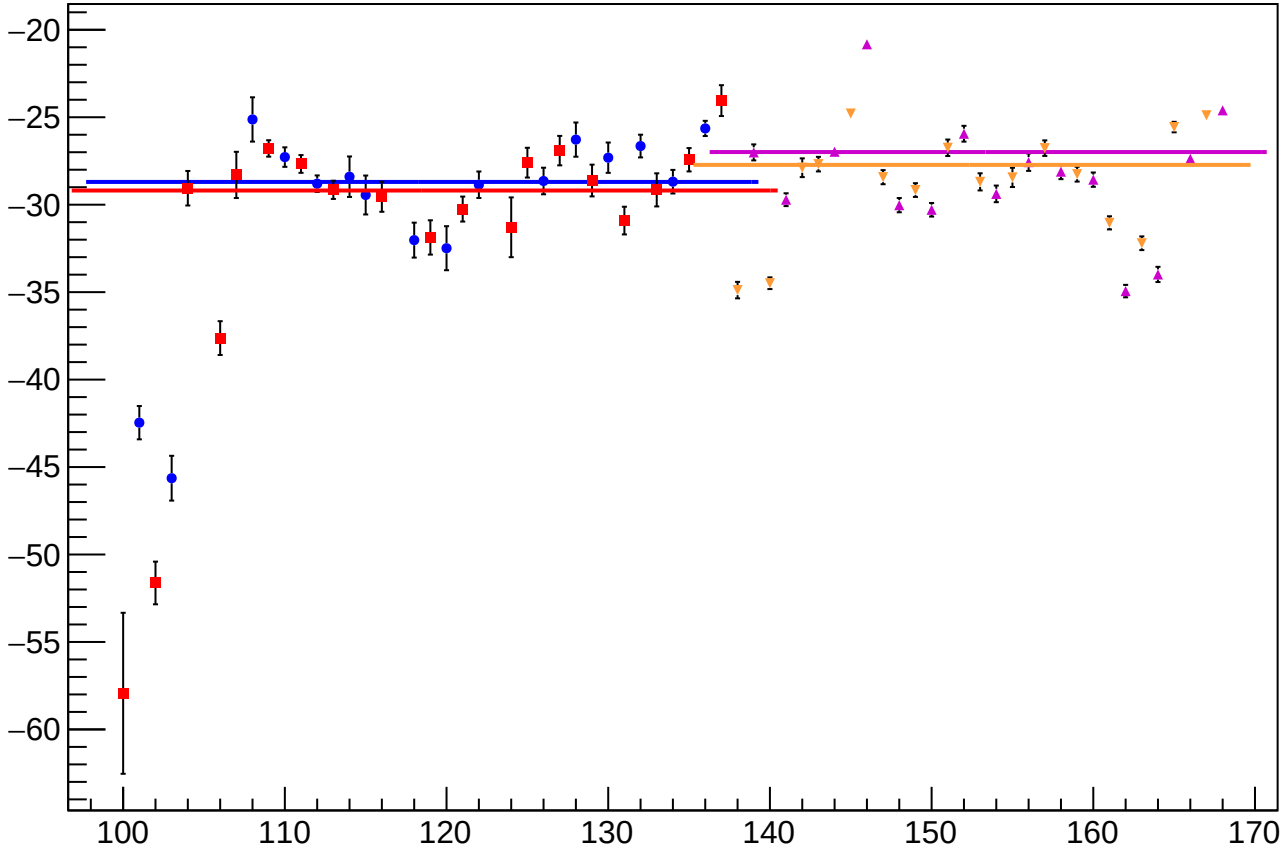
Left In: 0.309+/-0.007 χ^2/NDF:235.8/14

+ sign 0.300+/-0.006 χ^2/NDF: 959.3/31

All: 0.282+/-0.004 χ^2/NDF: 2183.9/65

- sign 0.265+/-0.006 χ^2/NDF: 1208.8/33

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -27.724+/-0.088 χ^2/NDF:1322.0/15

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

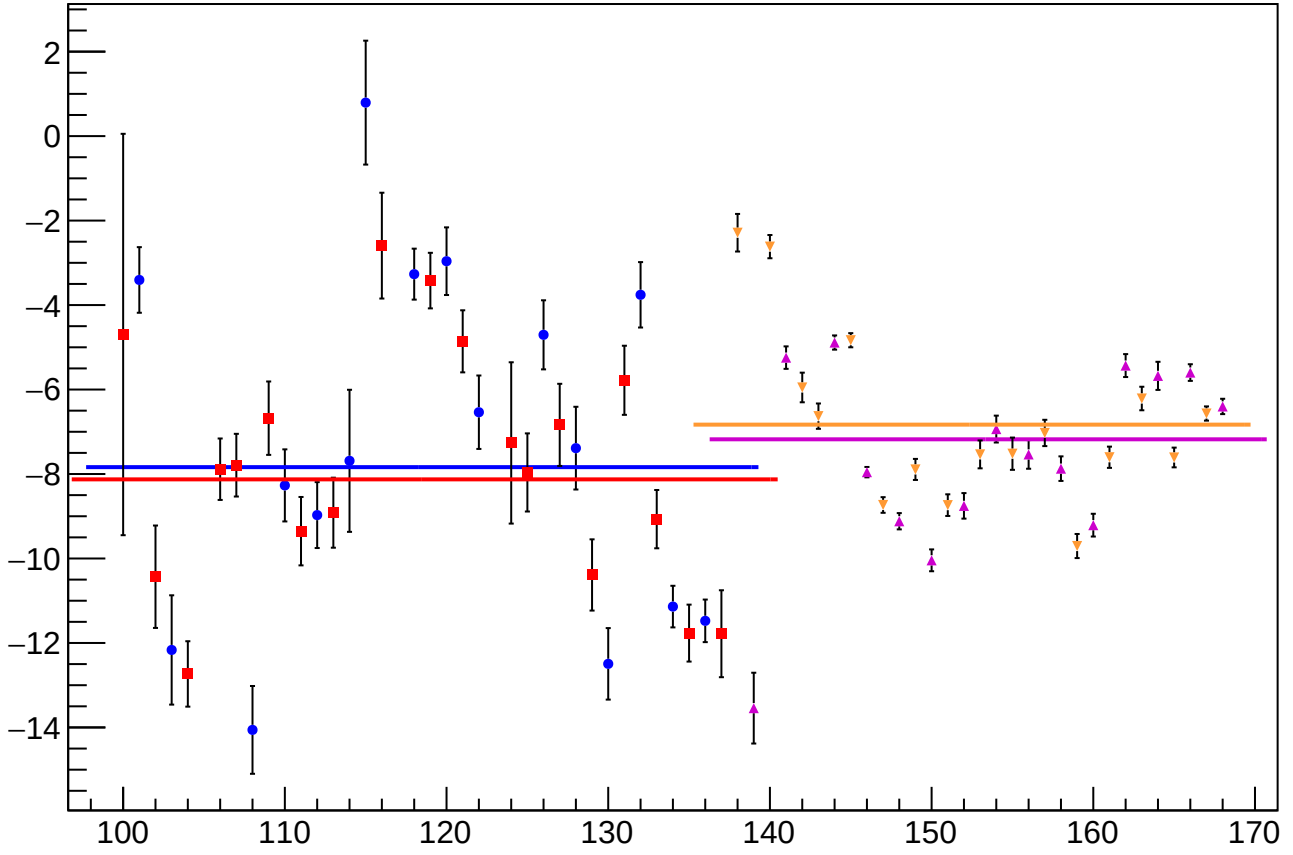
Left In: -26.990+/-0.084 χ^2/NDF:1996.0/14

+ sign -27.903+/-0.080 χ^2/NDF: 1831.7/31

All: -27.628+/-0.055 χ^2/NDF: 4529.3/65

- sign -27.376+/-0.076 χ^2/NDF: 2674.7/33

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.831+/-0.063 χ^2/NDF:804.5/15

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

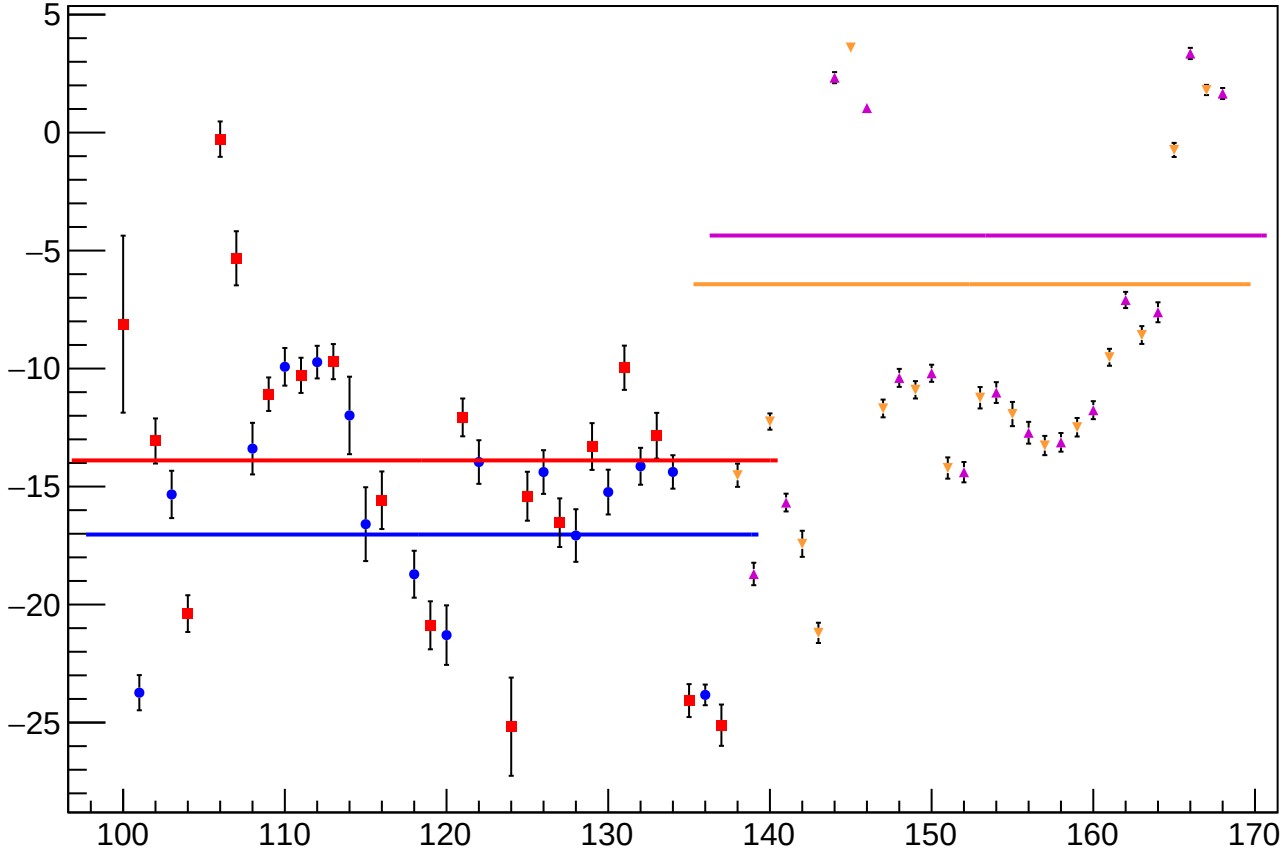
Left In: -7.178+/-0.058 χ^2/NDF:795.9/14

+ sign -6.925+/-0.060 χ^2/NDF: 1211.9/31

All: -7.101+/-0.041 χ^2/NDF: 2242.8/65

- sign -7.255+/-0.056 χ^2/NDF: 1014.6/33

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -6.426+/-0.087 χ^2/NDF:7766.5/15

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

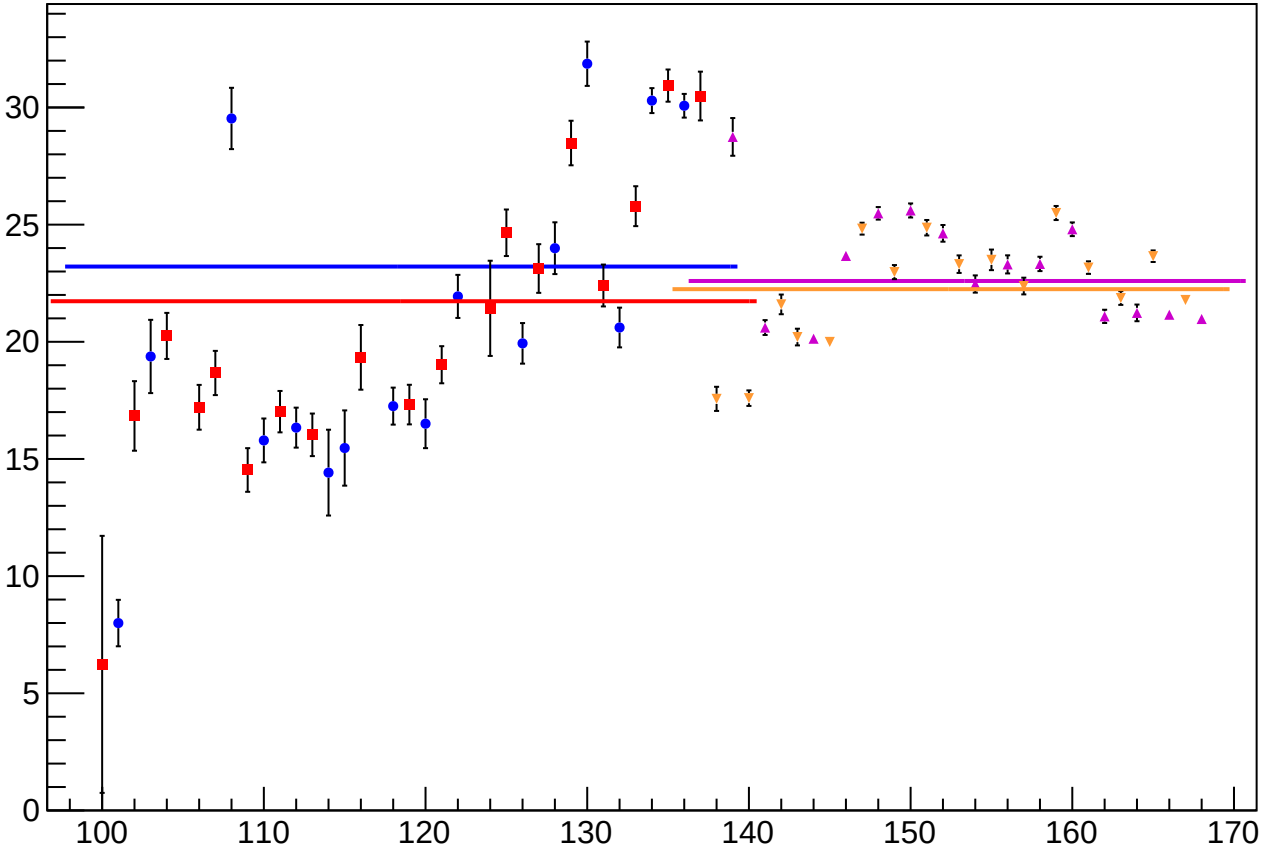
Left In: -4.362+/-0.082 χ^2/NDF:7683.2/14

+ sign -7.986+/-0.080 χ^2/NDF: 10556.5/31

All: -6.753+/-0.055 χ^2/NDF: 21502.8/65

- sign -5.634+/-0.076 χ^2/NDF: 10496.5/33

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 22.246+/-0.072 χ^2/NDF:810.8/15

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

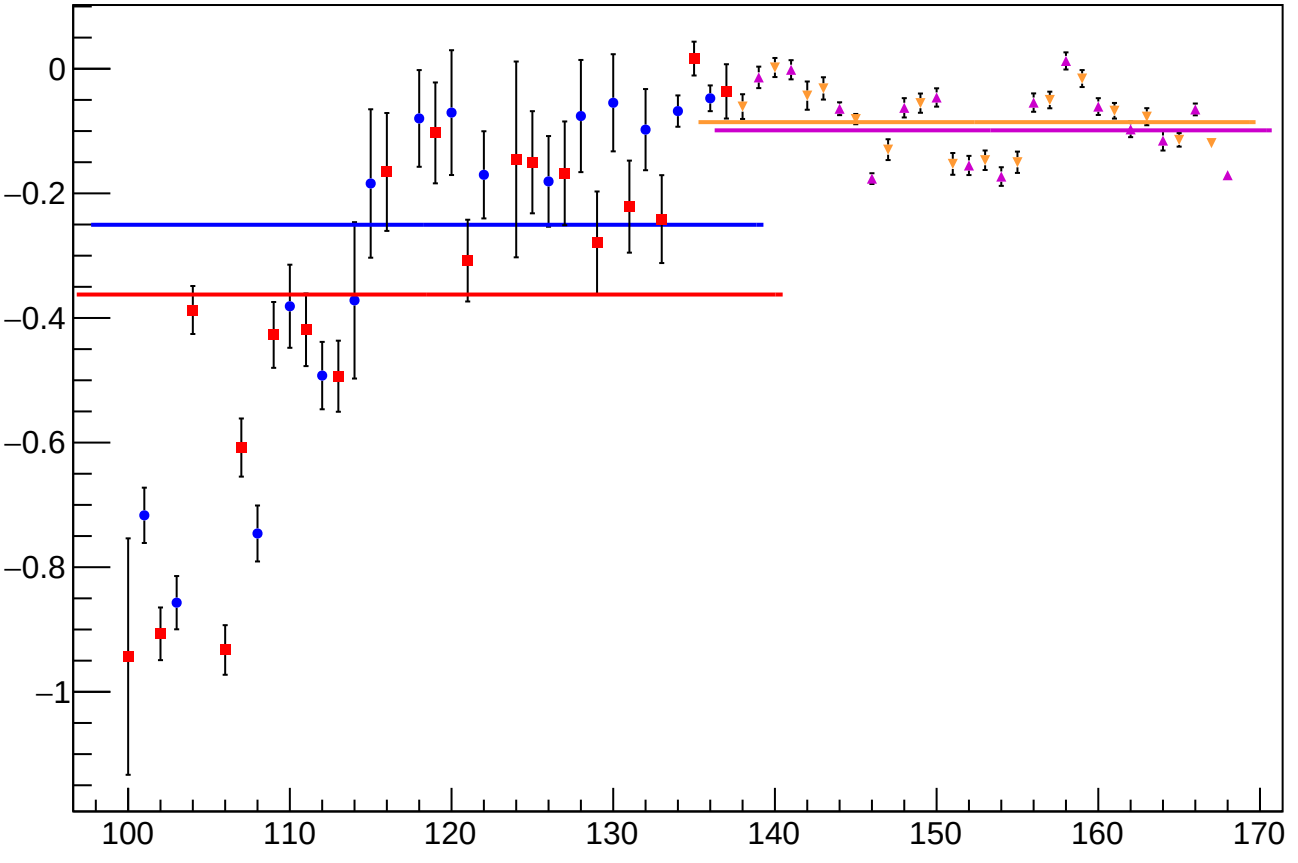
Left In: 22.595+/-0.068 χ^2/NDF:766.5/14

+ sign 22.341+/-0.068 χ^2/NDF: 1836.7/31

All: 22.436+/-0.047 χ^2/NDF: 3178.6/65

- sign 22.522+/-0.065 χ^2/NDF: 1338.3/33

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.086+/-0.003 χ^2/NDF:163.5/15

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

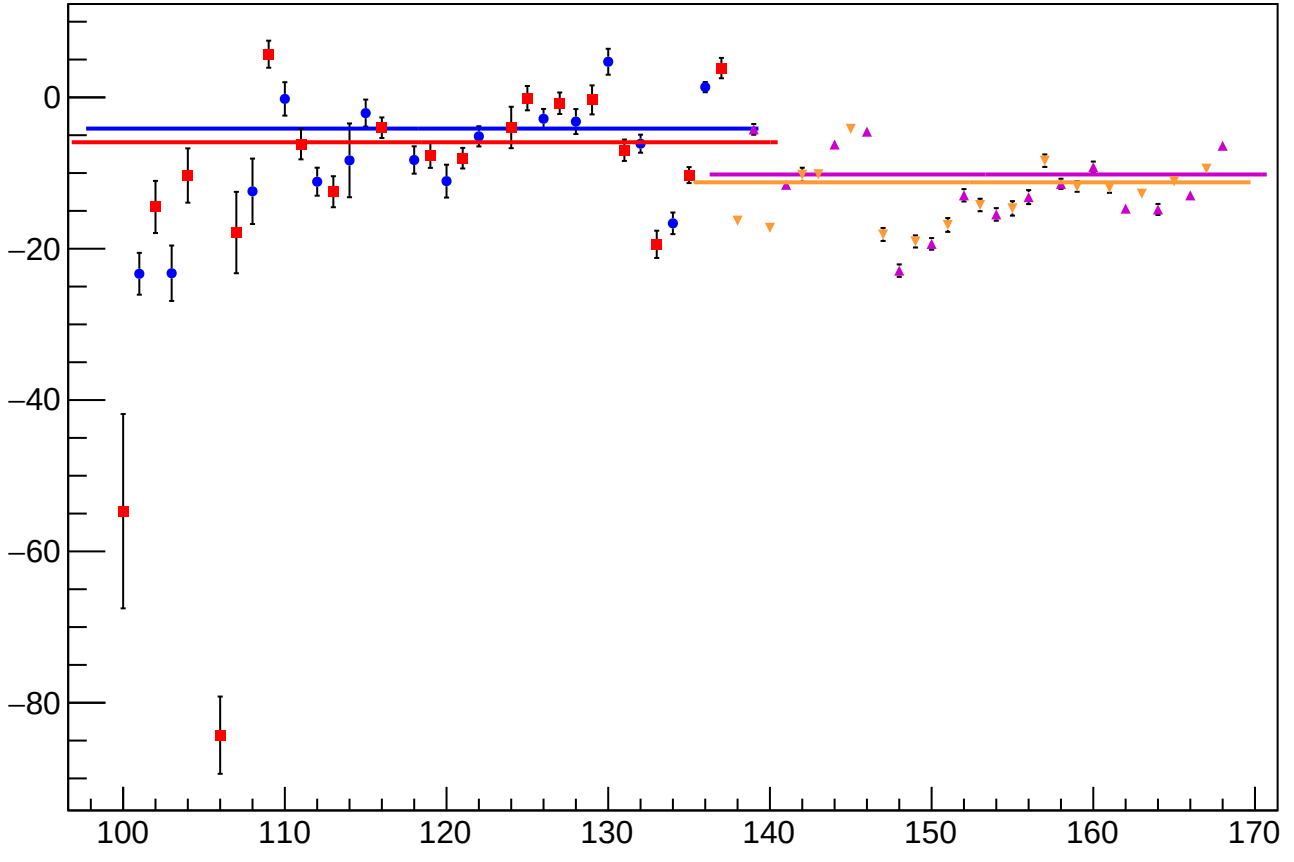
Left In: -0.099+/-0.003 χ^2/NDF:390.3/14

+ sign -0.098+/-0.003 χ^2/NDF: 981.9/31

All: -0.107+/-0.002 χ^2/NDF: 2519.3/65

- sign -0.115+/-0.003 χ^2/NDF: 1522.1/33

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.225+/-0.155 χ^2/NDF:814.5/15

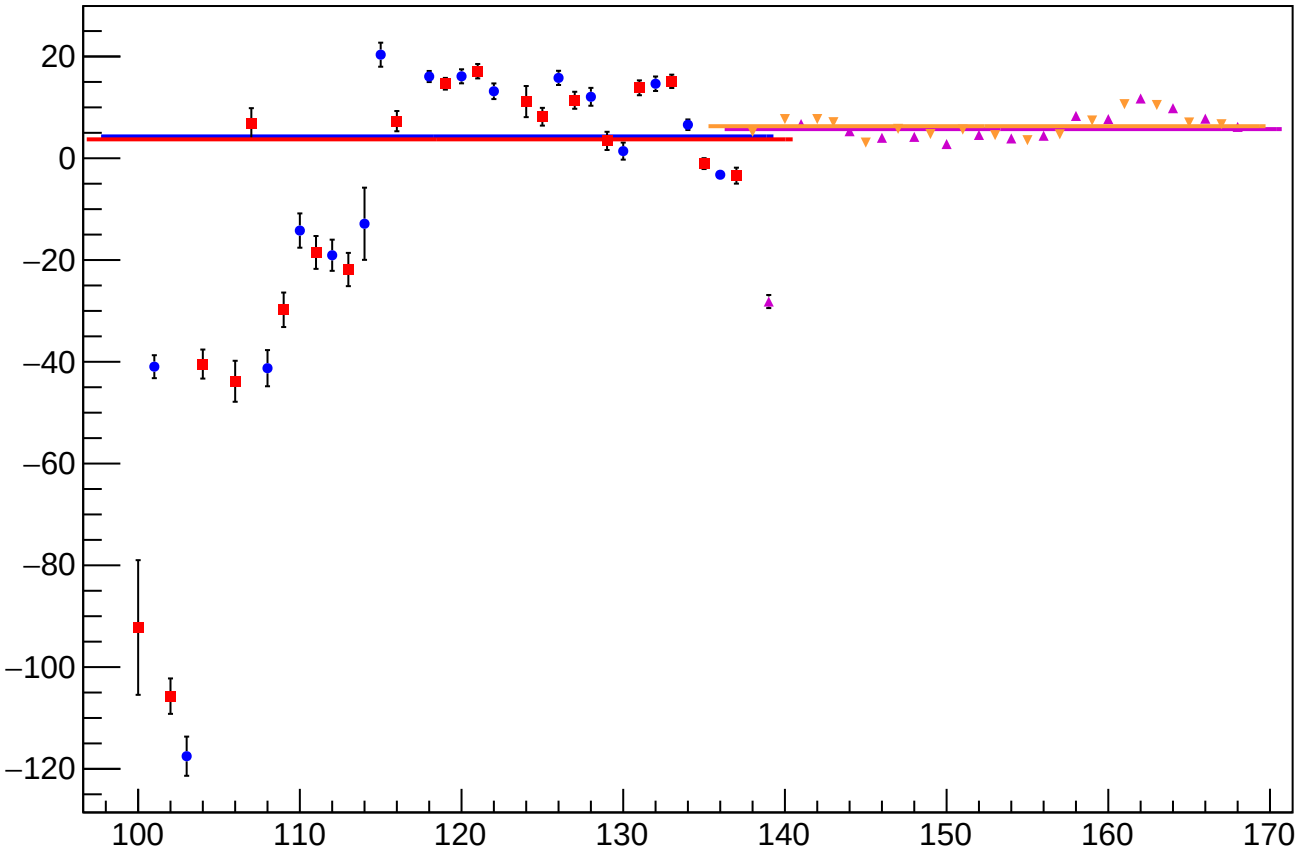
Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -10.188+/-0.152 χ^2/NDF:1024.4/14

+ sign -10.225+/-0.143 χ^2/NDF: 1399.7/31

All: -9.945+/-0.101 χ^2/NDF: 3010.1/65

- sign -9.668+/-0.142 χ^2/NDF: 1602.8/33



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.301+/-0.112 χ^2/NDF:367.6/15

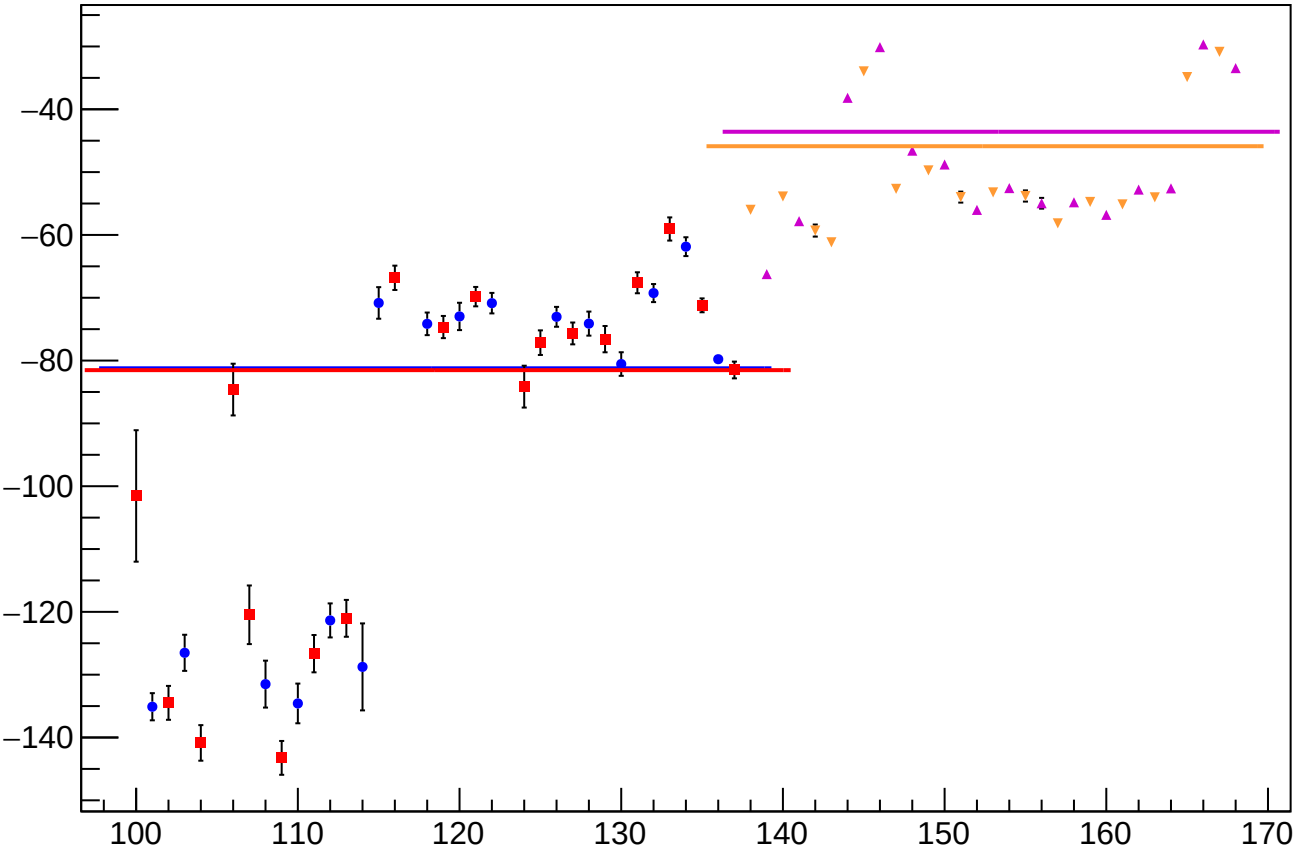
Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 5.731+/-0.108 χ^2/NDF:1123.7/14

+ sign 6.145+/-0.107 χ^2/NDF: 2561.8/31

All: 5.869+/-0.075 χ^2/NDF: 5726.9/65

- sign 5.607+/-0.105 χ^2/NDF: 3152.2/33



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -45.879+/-0.153 χ^2/NDF:5220.3/15

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

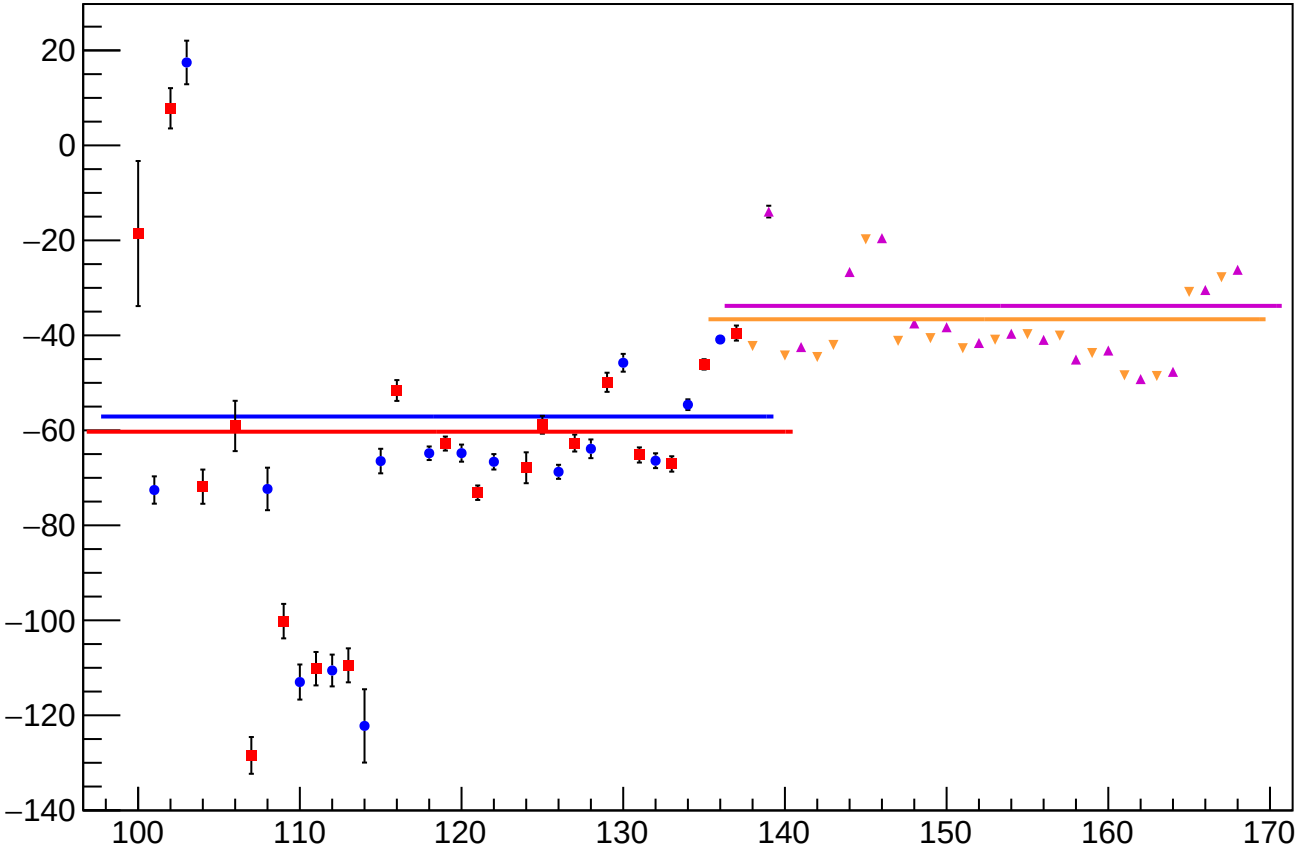
Left In: -43.577+/-0.149 χ^2/NDF:6075.4/14

+ sign -50.088+/-0.144 χ^2/NDF: 13527.9/31

All: -48.614+/-0.101 χ^2/NDF: 28220.7/65

- sign -47.175+/-0.142 χ^2/NDF: 14485.4/33

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -36.612+/-0.128 χ^2/NDF:5489.1/15

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

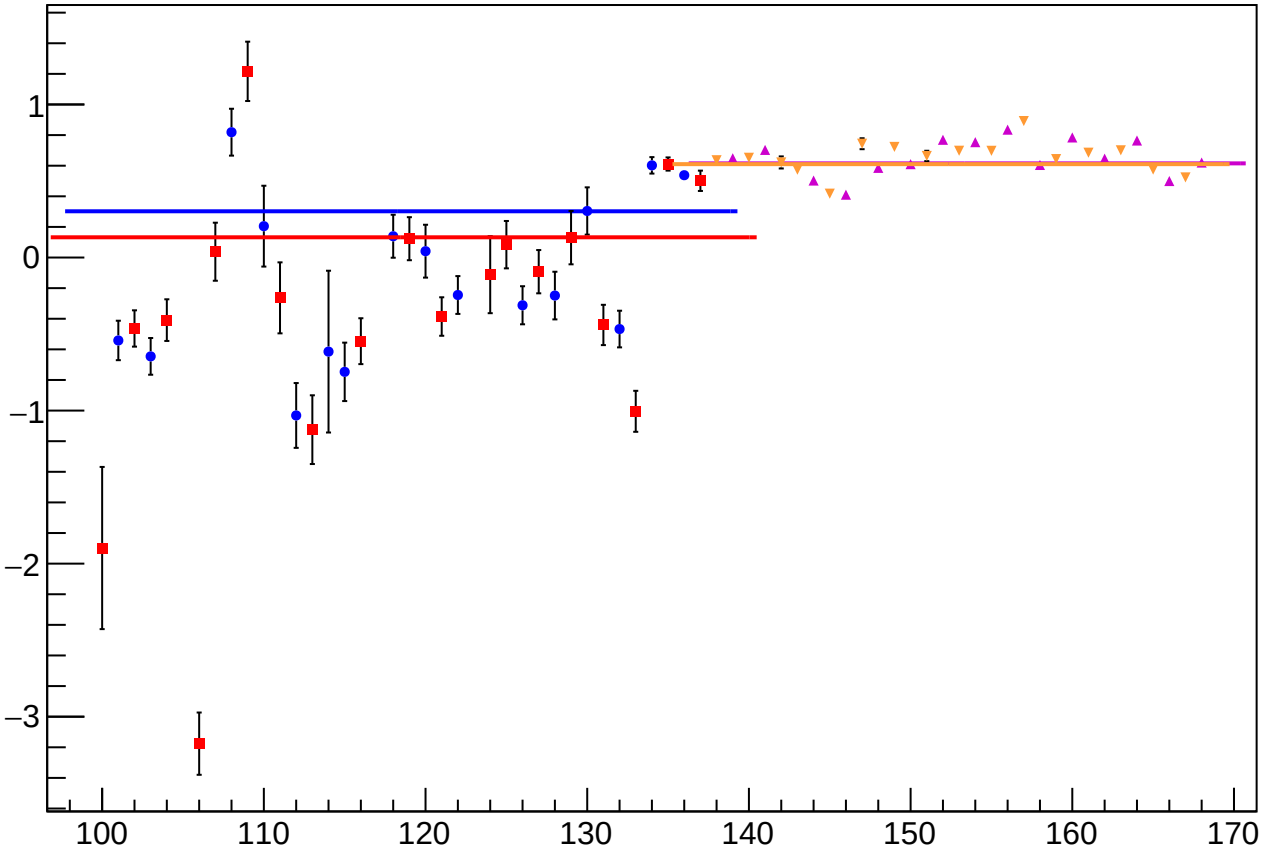
Left In: -33.792+/-0.125 χ^2/NDF:6368.3/14

+ sign -38.303+/-0.122 χ^2/NDF: 9138.4/31

All: -36.913+/-0.086 χ^2/NDF: 20316.4/65

- sign -35.551+/-0.121 χ^2/NDF: 10922.7/33

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.610+/-0.006 χ^2/NDF:415.7/15

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

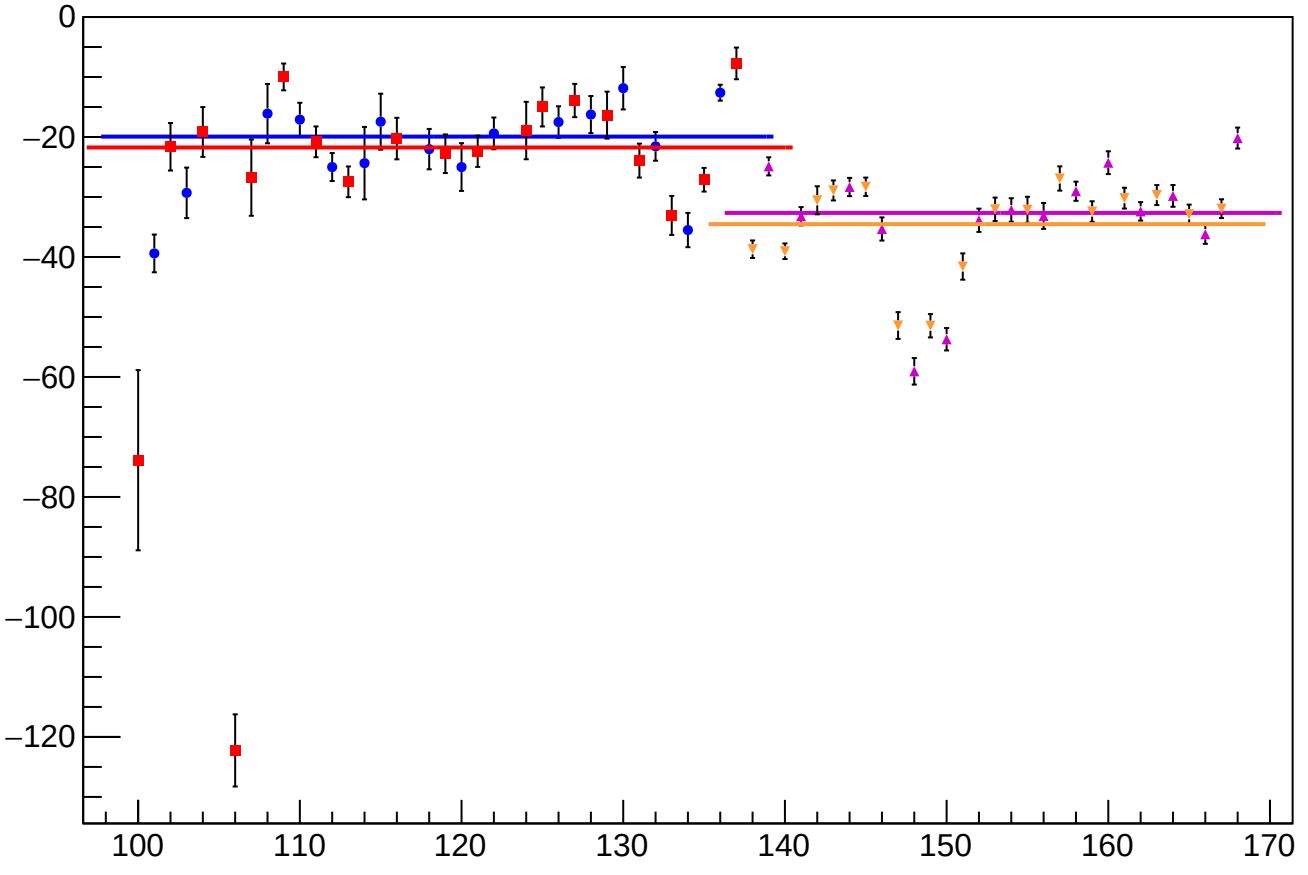
Left In: 0.615+/-0.006 χ^2/NDF:439.5/14

+ sign 0.592+/-0.006 χ^2/NDF: 959.8/31

All: 0.593+/-0.004 χ^2/NDF: 2389.3/65

- sign 0.594+/-0.006 χ^2/NDF: 1429.4/33

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.523+/-0.436 χ^2/NDF:231.8/15

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

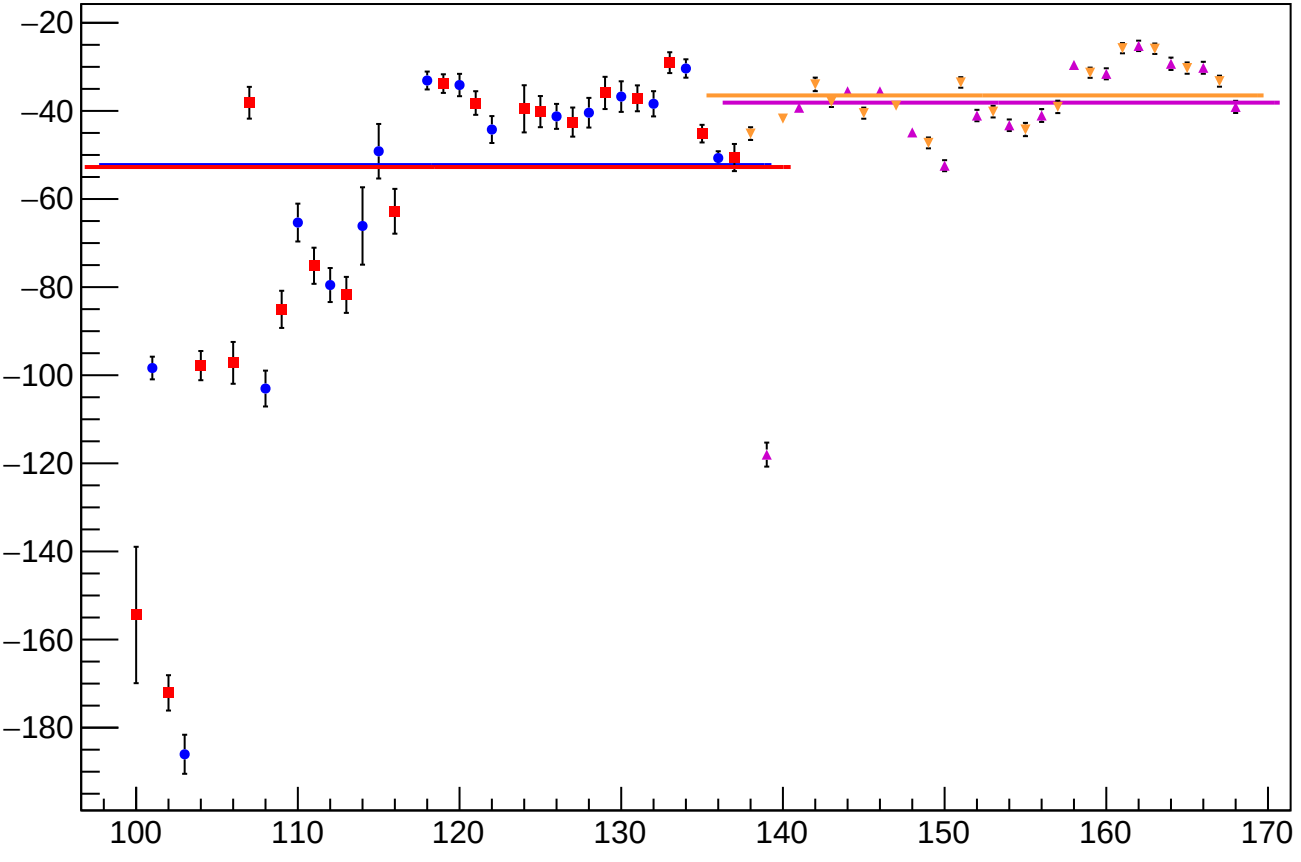
Left In: -32.655+/-0.451 χ^2/NDF:389.5/14

+ sign -30.398+/-0.369 χ^2/NDF: 668.5/31

All: -29.983+/-0.265 χ^2/NDF: 1615.9/65

- sign -29.540+/-0.381 χ^2/NDF: 944.8/33

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -36.483+/-0.311 χ^2/NDF:413.9/15

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

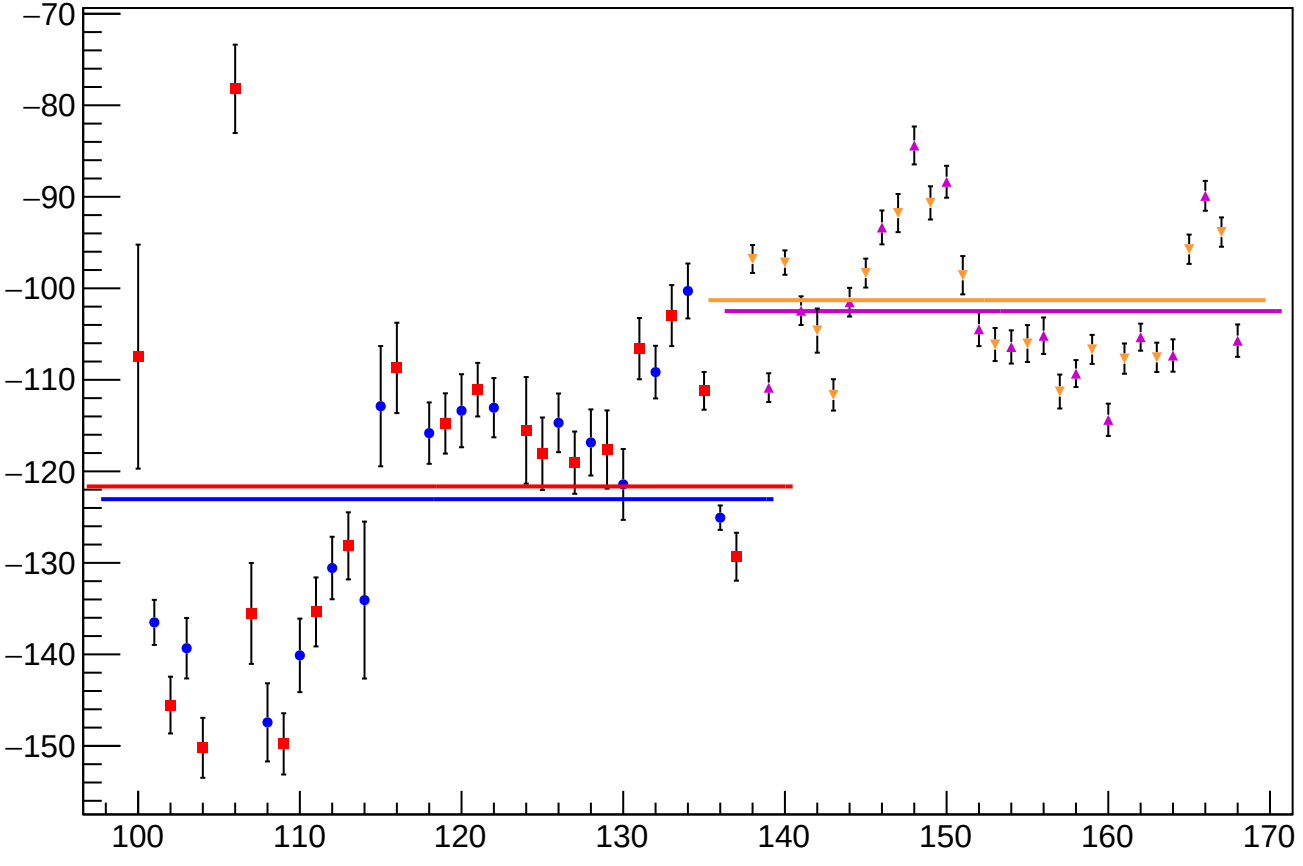
Left In: -38.124+/-0.325 χ^2/NDF:1348.6/14

+ sign -39.041+/-0.285 χ^2/NDF: 2610.1/31

All: -39.711+/-0.206 χ^2/NDF: 5953.7/65

- sign -40.446+/-0.298 χ^2/NDF: 3332.0/33

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -101.296+/-0.429 χ^2/NDF:234.0/15

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

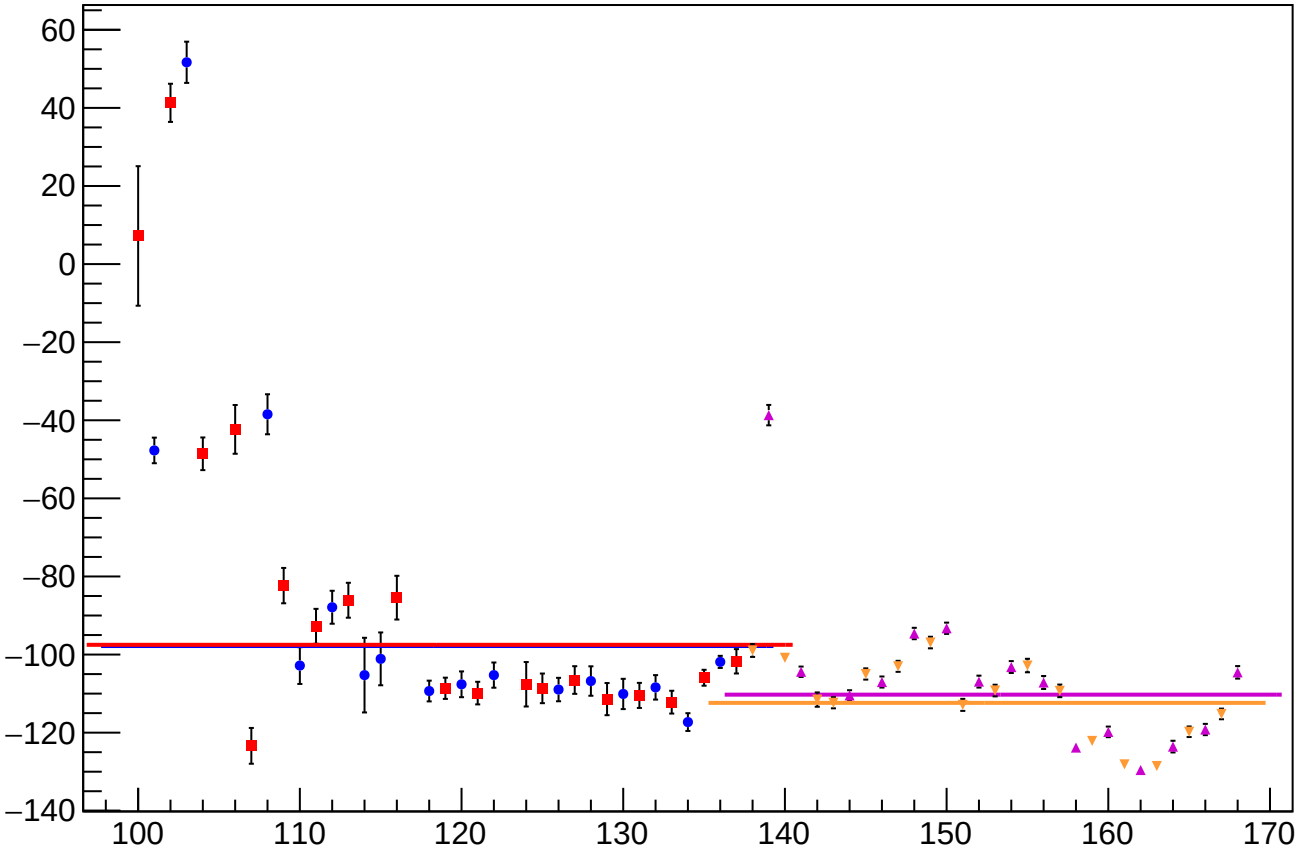
Left In: -102.487+/-0.440 χ^2/NDF:343.8/14

+ sign -106.648+/-0.372 χ^2/NDF: 1094.4/31

All: -106.778+/-0.268 χ^2/NDF: 2302.5/65

- sign -106.918+/-0.385 χ^2/NDF: 1207.8/33

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -112.371+/-0.357 χ^2/NDF:791.5/15

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

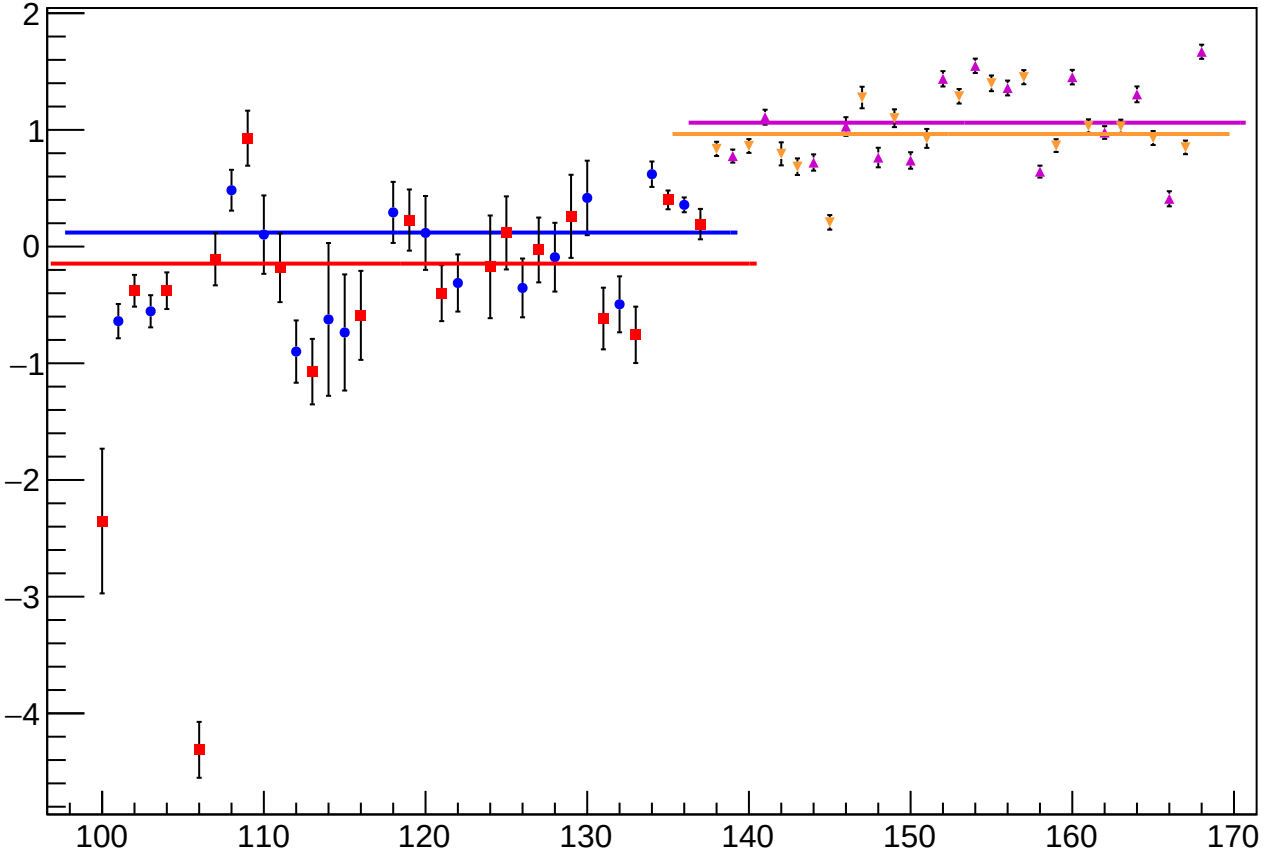
Left In: -110.268+/-0.372 χ^2/NDF:1623.7/14

+ sign -109.914+/-0.326 χ^2/NDF: 2402.4/31

All: -109.089+/-0.235 χ^2/NDF: 5468.0/65

- sign -108.189+/-0.340 χ^2/NDF: 3052.2/33

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.965+/-0.016 χ^2/NDF:330.1/15

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

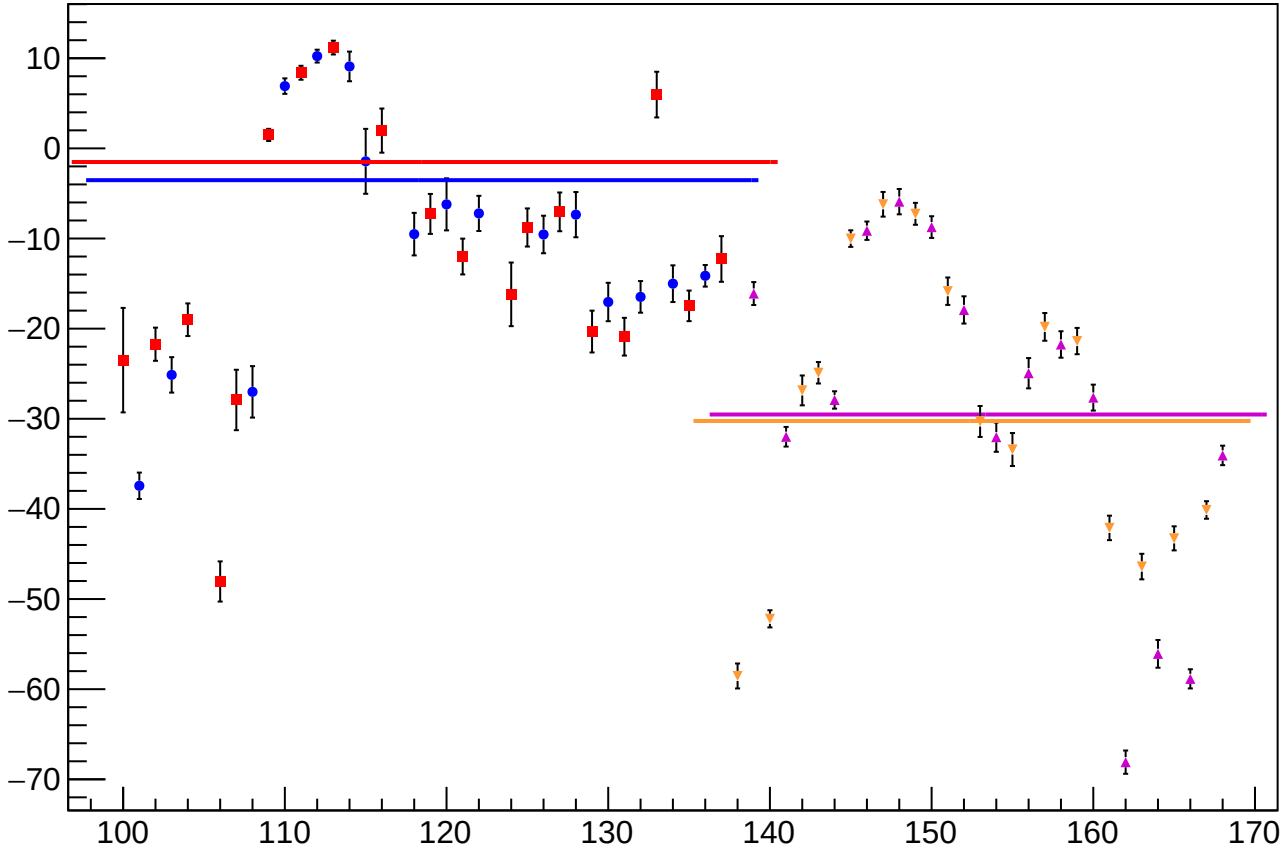
Left In: 1.062+/-0.016 χ^2/NDF:523.5/14

+ sign 0.851+/-0.015 χ^2/NDF: 817.3/31

All: 0.884+/-0.011 χ^2/NDF: 2410.0/65

- sign 0.919+/-0.015 χ^2/NDF: 1582.9/33

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -30.244+/-0.321 χ^2/NDF:2701.3/15

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

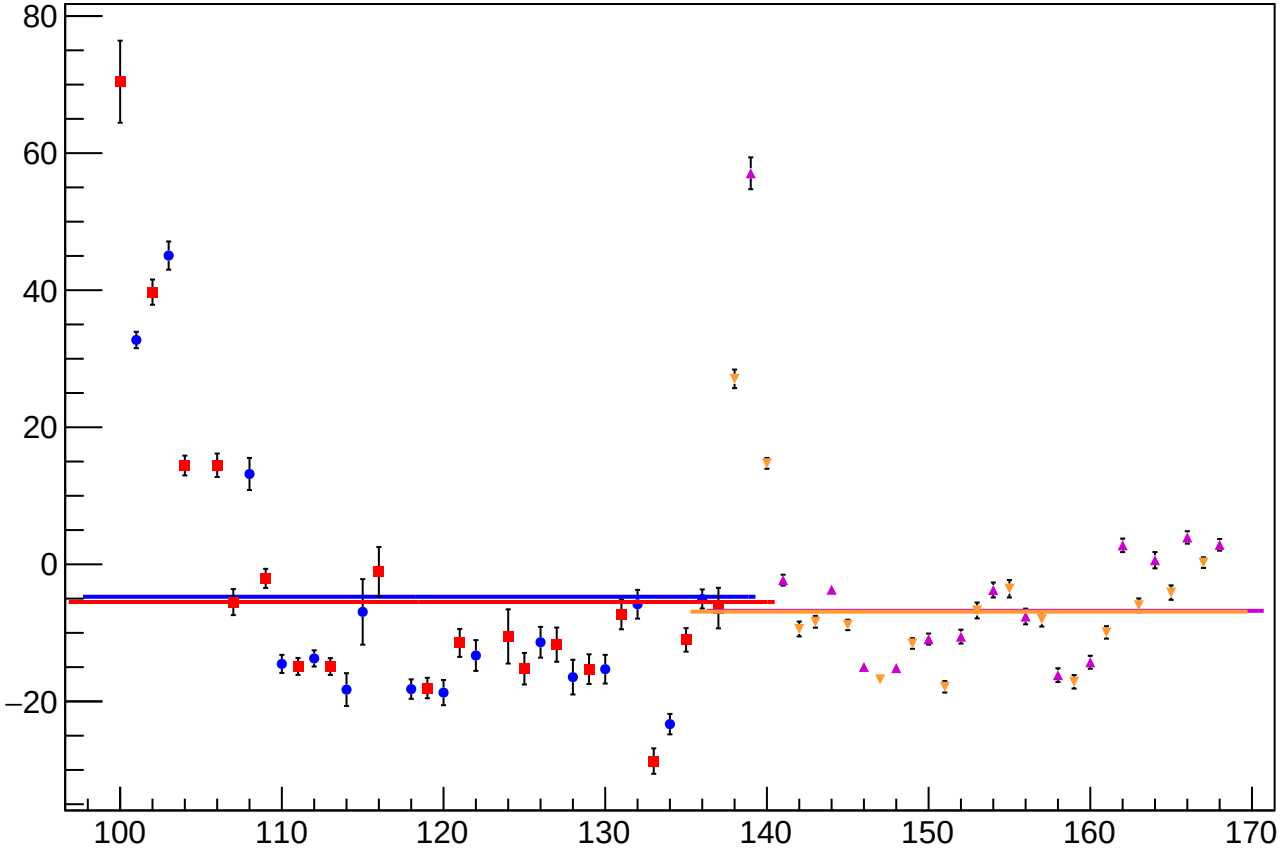
Left In: -29.525+/-0.323 χ^2/NDF:3164.2/14

+ sign -19.006+/-0.244 χ^2/NDF: 7143.6/31

All: -17.522+/-0.169 χ^2/NDF: 15485.9/65

- sign -16.164+/-0.234 χ^2/NDF: 8271.8/33

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -6.907+/-0.226 χ^2/NDF:2059.6/15

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

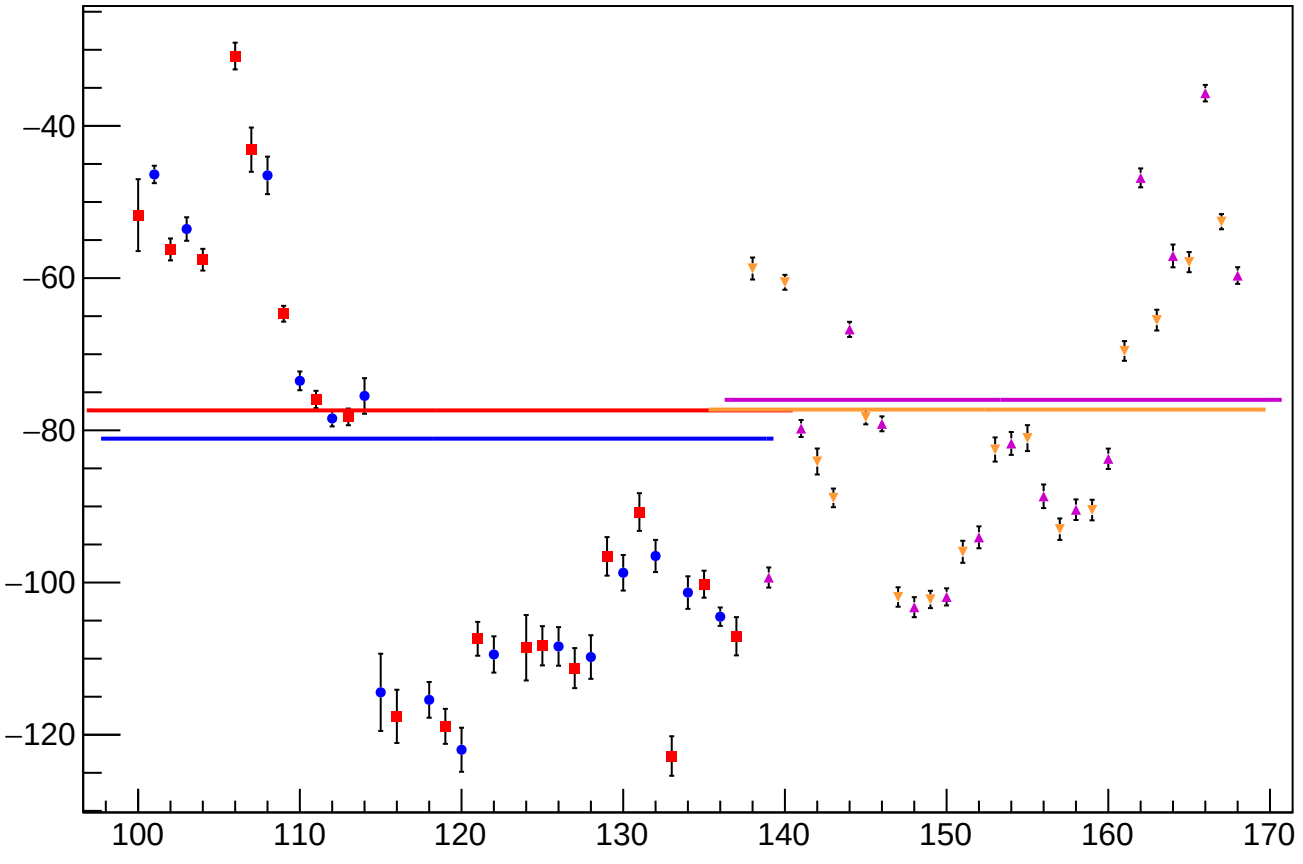
Left In: -6.783+/-0.228 χ^2/NDF:1737.4/14

+ sign -6.437+/-0.200 χ^2/NDF: 4227.6/31

All: -6.464+/-0.142 χ^2/NDF: 7480.9/65

- sign -6.490+/-0.201 χ^2/NDF: 3253.3/33

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -77.272+/-0.316 χ^2/NDF:2752.5/15

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

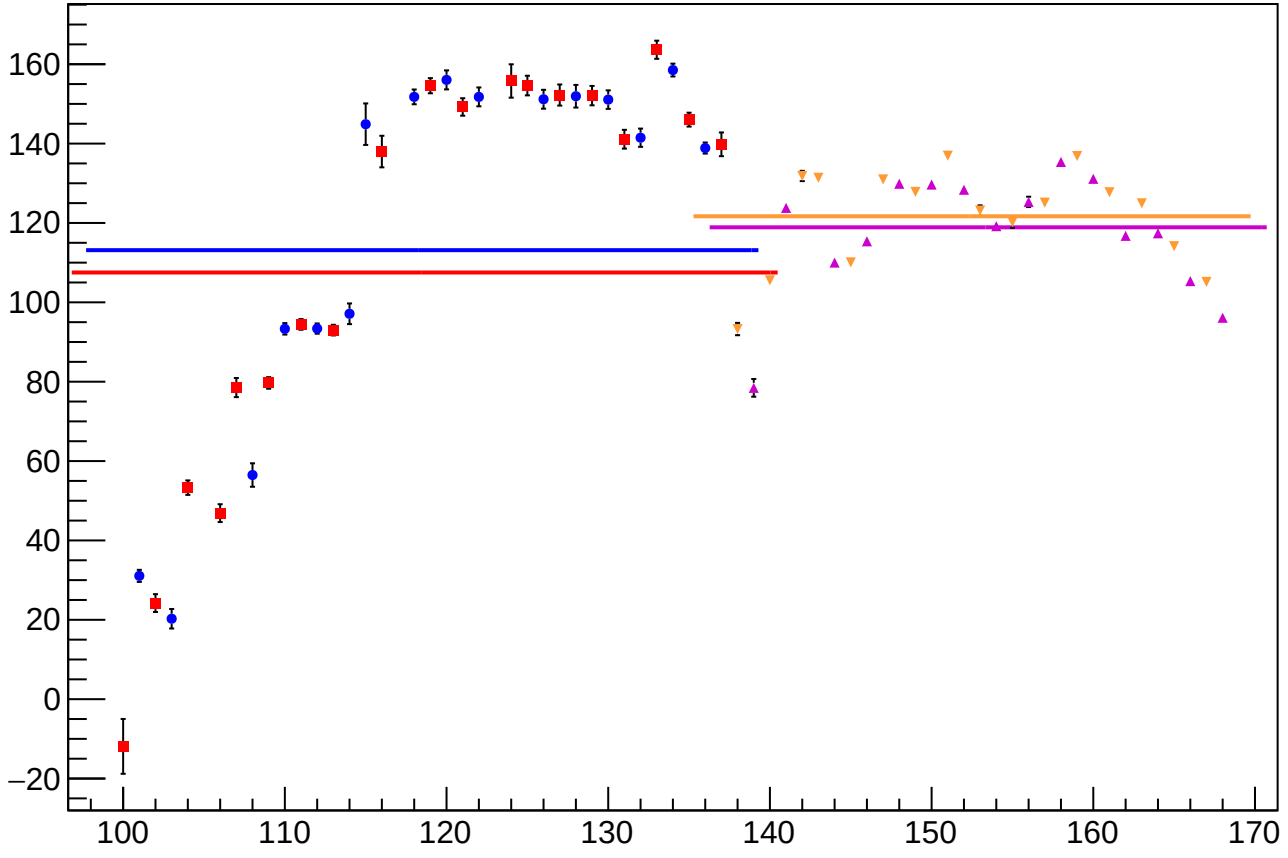
Left In: -75.992+/-0.316 χ^2/NDF:4074.8/14

+ sign -78.578+/-0.256 χ^2/NDF: 5672.8/31

All: -77.520+/-0.180 χ^2/NDF: 12917.8/65

- sign -76.498+/-0.252 χ^2/NDF: 7211.5/33

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 121.686+/-0.262 χ^2/NDF:2011.8/15

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

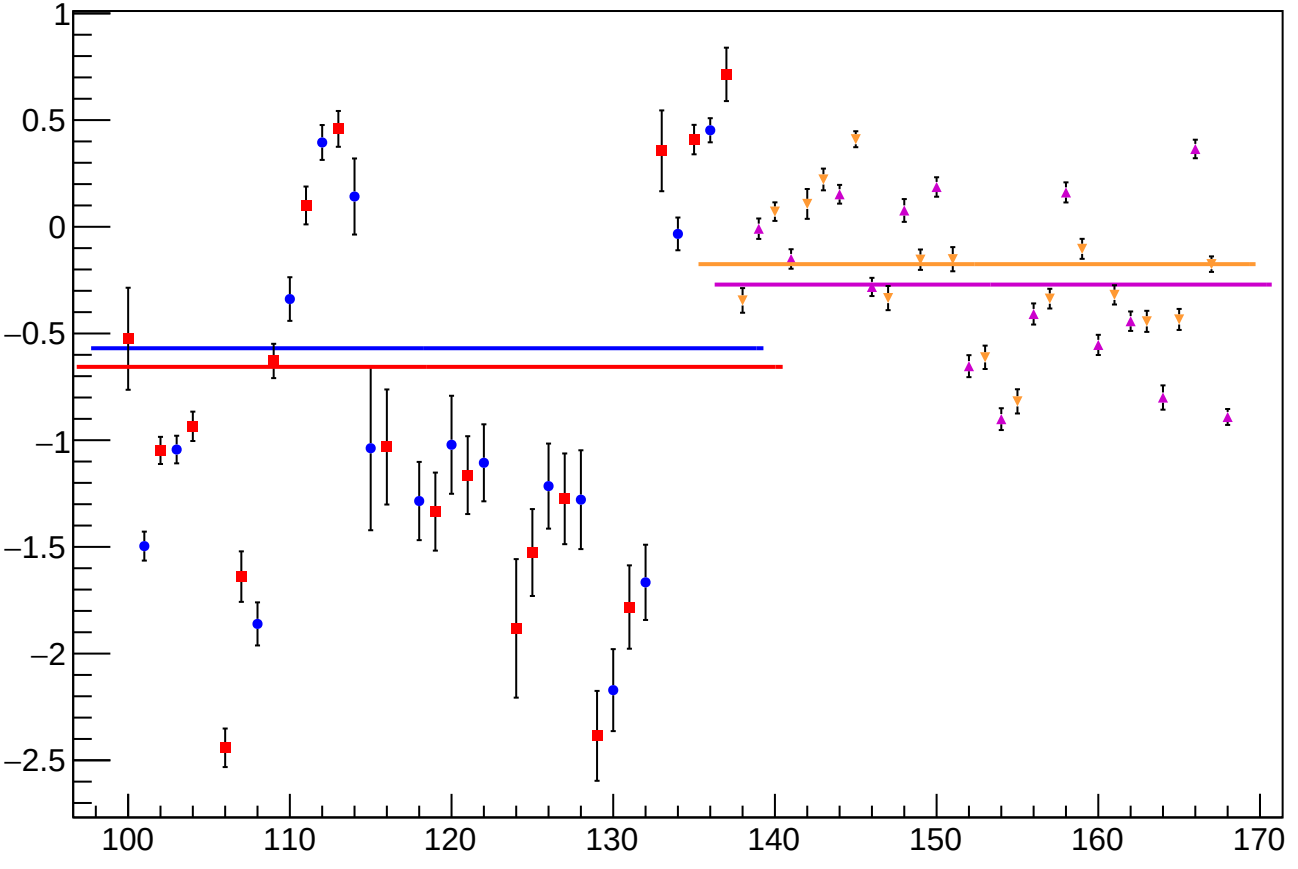
Left In: 118.902+/-0.265 χ^2/NDF:1967.9/14

\+ sign 119.776+/-0.231 χ^2/NDF: 10452.9/31

All: 118.012+/-0.164 χ^2/NDF: 20513.8/65

\- sign 116.233+/-0.232 χ^2/NDF: 9943.9/33

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.175+/-0.012 χ^2/NDF:644.8/15

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

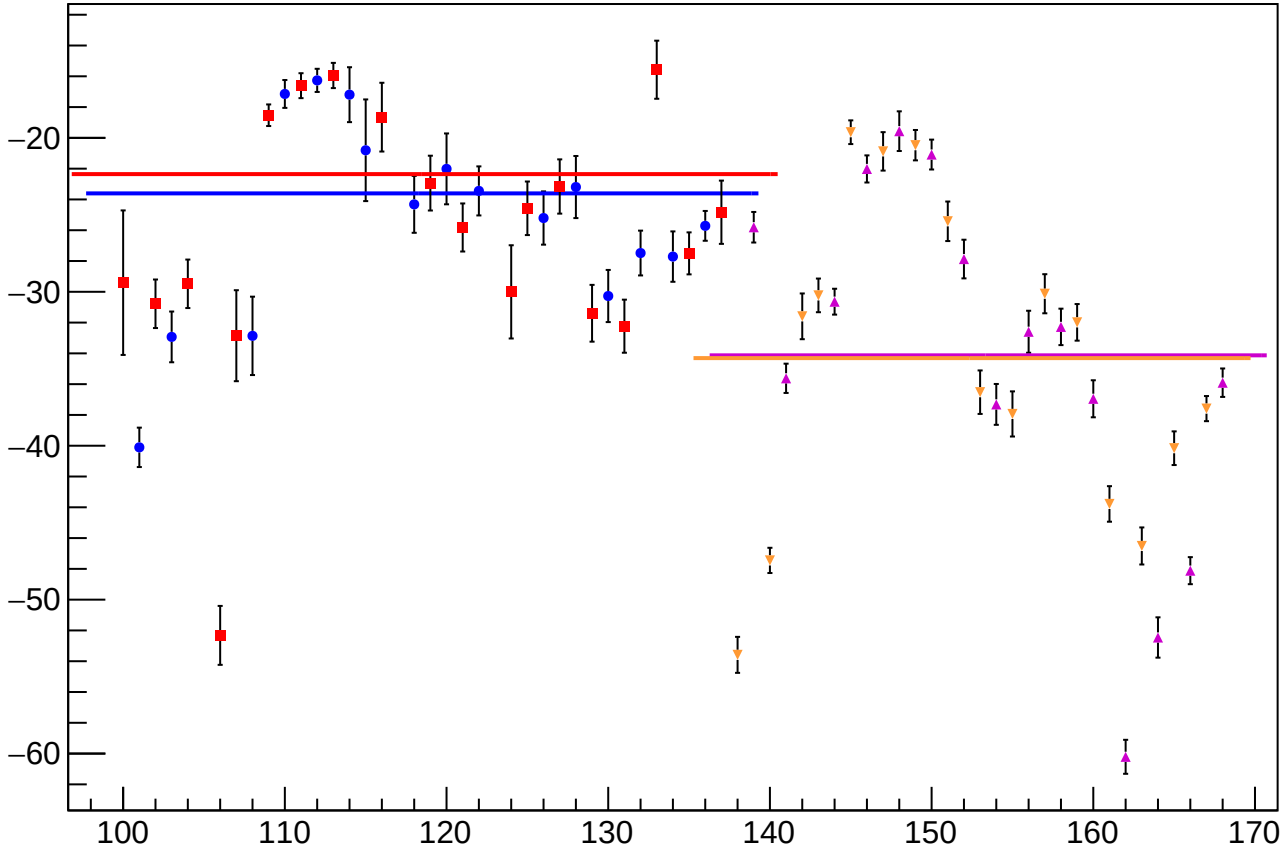
Left In: -0.271+/-0.012 χ^2/NDF:1198.1/14

+ sign -0.246+/-0.011 χ^2/NDF: 1933.6/31

All: -0.295+/-0.008 χ^2/NDF: 4676.3/65

- sign -0.342+/-0.011 χ^2/NDF: 2703.9/33

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -34.308+/-0.272 χ^2/NDF:1507.6/15

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

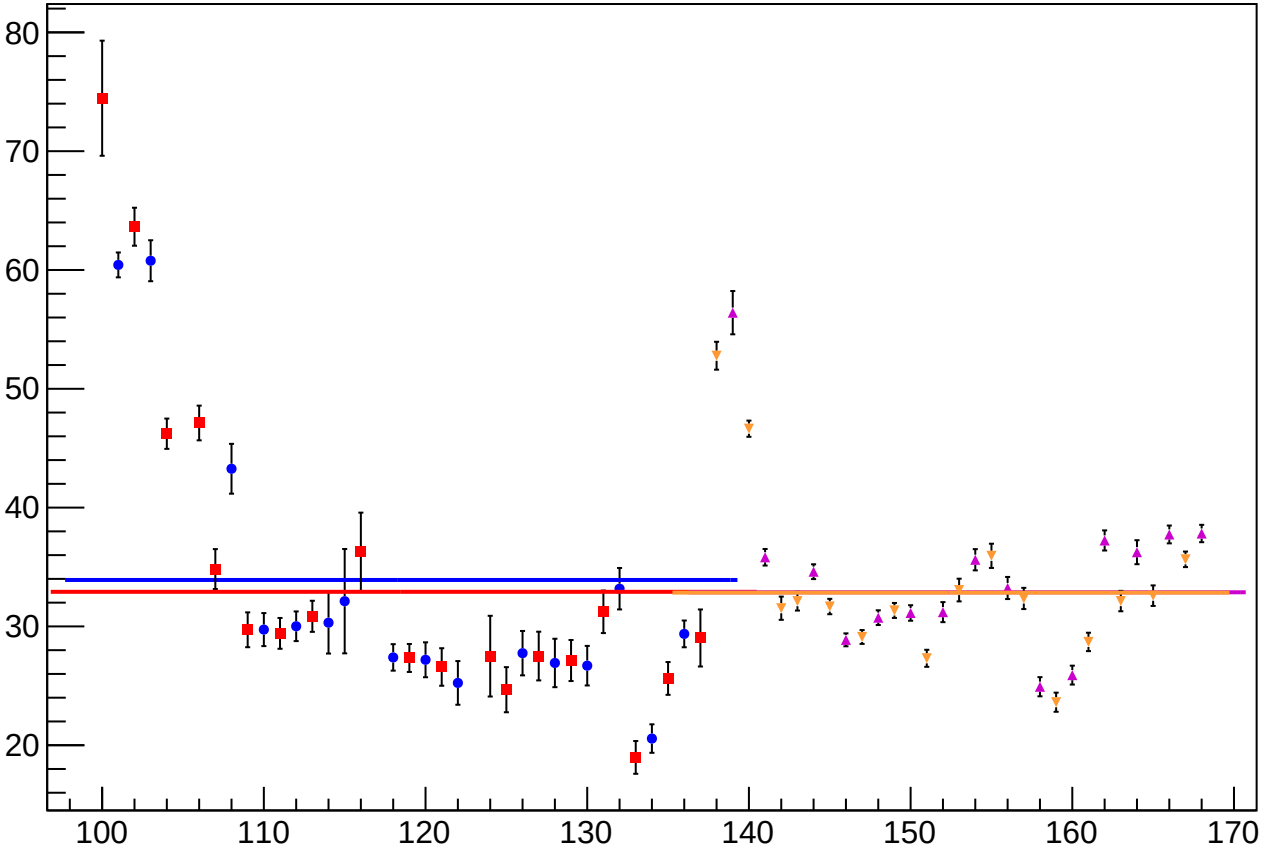
Left In: -34.128+/-0.272 χ^2/NDF:1638.0/14

+ sign -30.259+/-0.214 χ^2/NDF: 2500.8/31

All: -29.722+/-0.149 χ^2/NDF: 5483.3/65

- sign -29.218+/-0.208 χ^2/NDF: 2970.3/33

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 32.843+/-0.193 χ^2/NDF:998.5/15

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

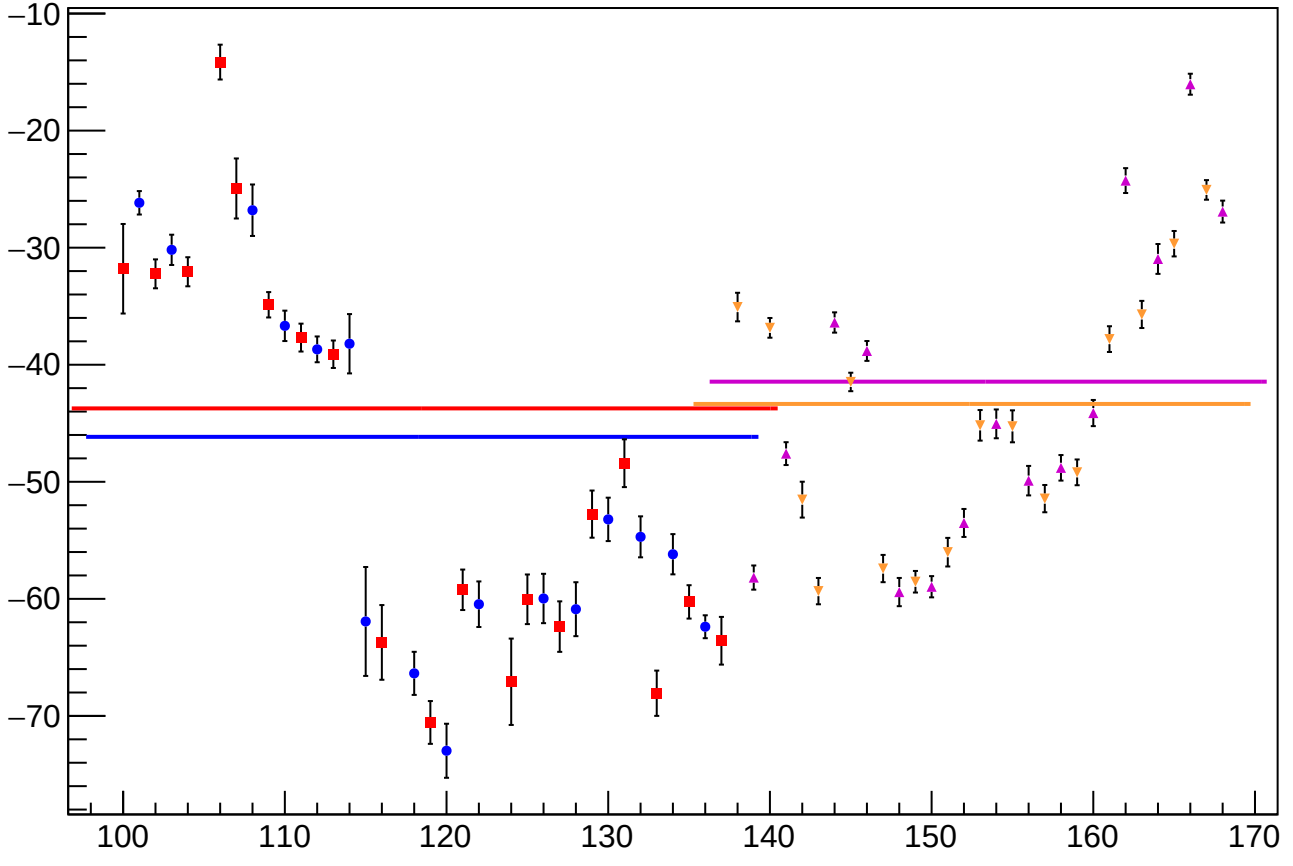
Left In: 32.873+/-0.195 χ^2/NDF:579.0/14

+ sign 33.066+/-0.172 χ^2/NDF: 2189.3/31

All: 32.974+/-0.122 χ^2/NDF: 3643.9/65

- sign 32.881+/-0.173 χ^2/NDF: 1454.0/33

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -43.349+/-0.267 χ^2/NDF:1651.4/15

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

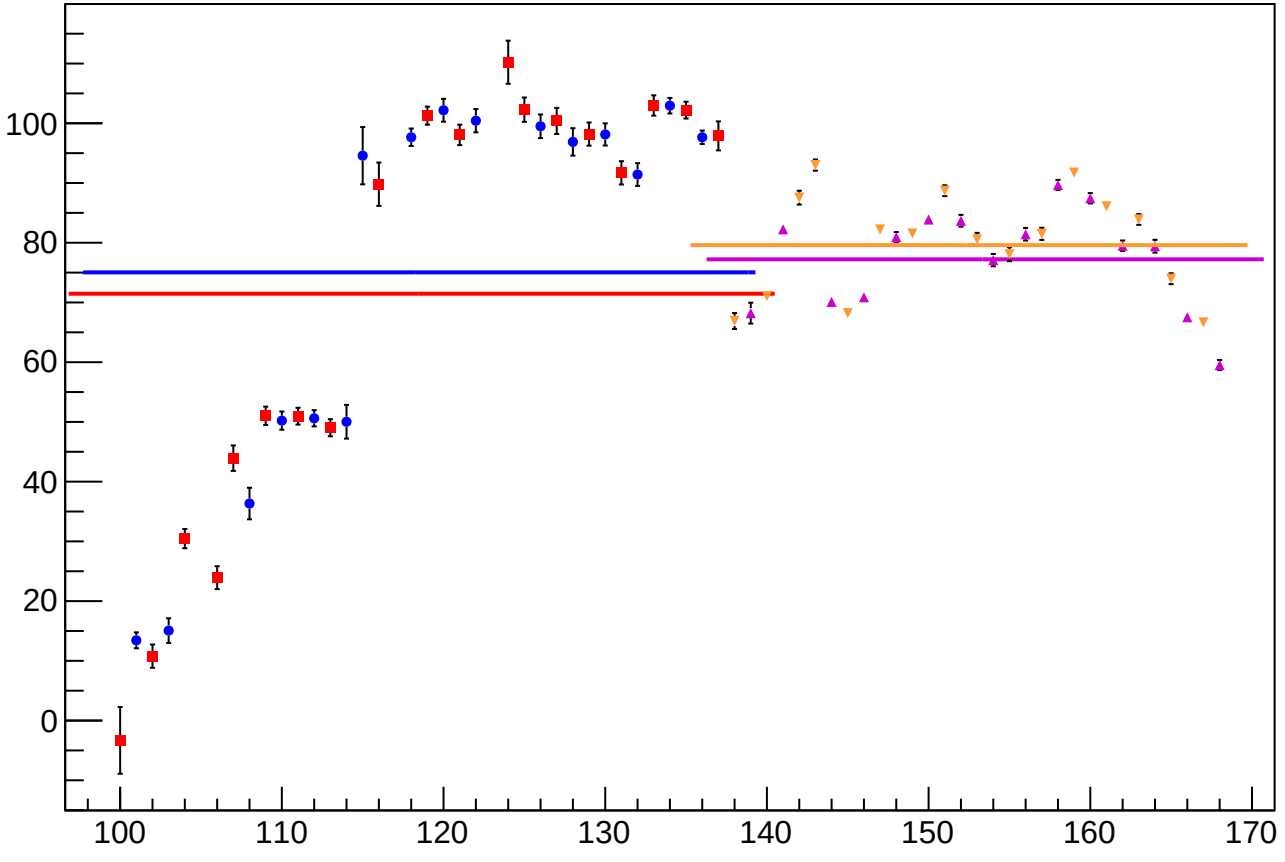
Left In: -41.446+/-0.266 χ^2/NDF:2522.4/14

+ sign -44.247+/-0.220 χ^2/NDF: 3176.4/31

All: -43.212+/-0.155 χ^2/NDF: 7430.2/65

- sign -42.202+/-0.218 χ^2/NDF: 4210.2/33

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 79.599+/-0.223 χ^2/NDF:1472.0/15

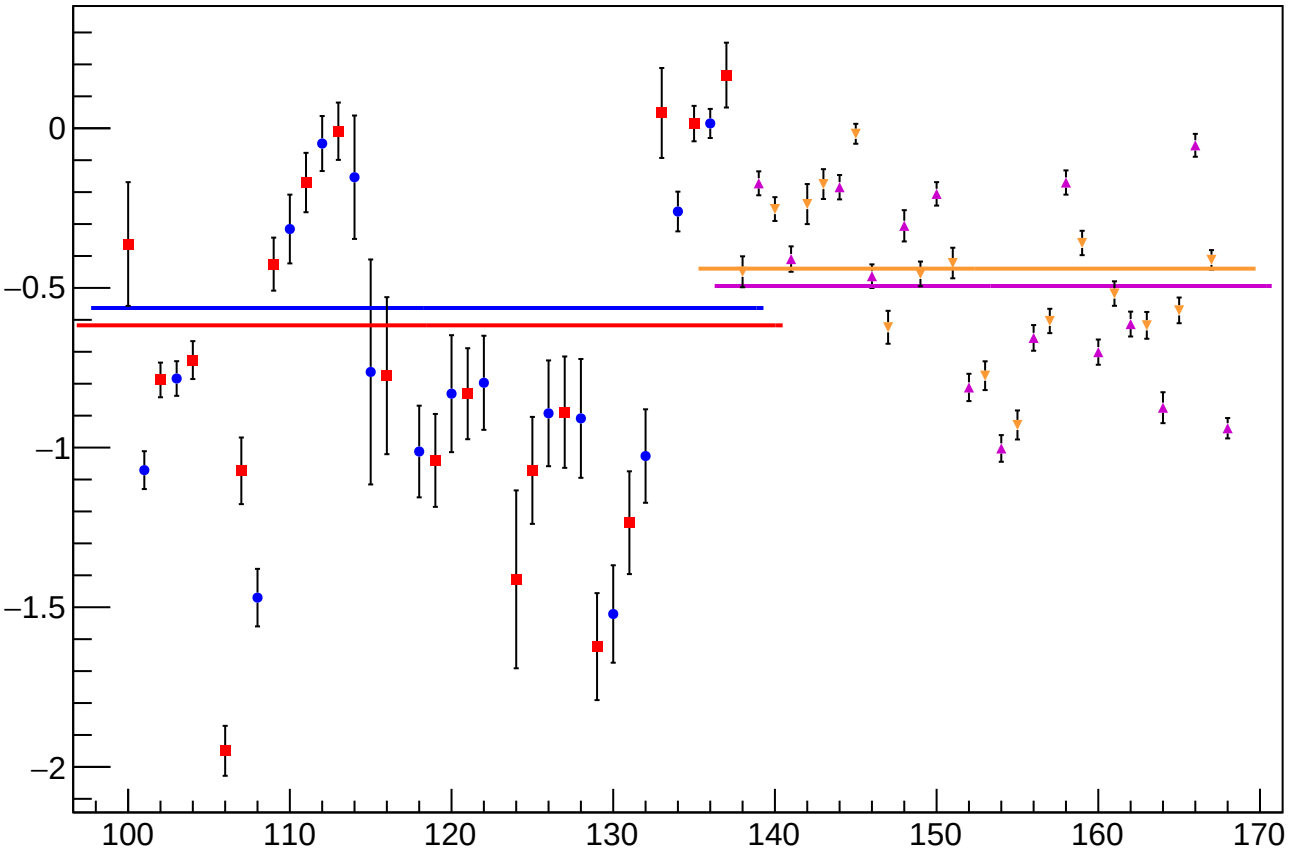
Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 77.222+/-0.225 χ^2/NDF:1354.7/14

+ sign 78.624+/-0.198 χ^2/NDF: 7389.6/31

All: 77.303+/-0.140 χ^2/NDF: 14605.2/65

- sign 75.964+/-0.199 χ^2/NDF: 7125.6/33



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.440+/-0.010 χ^2/NDF:491.6/15

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

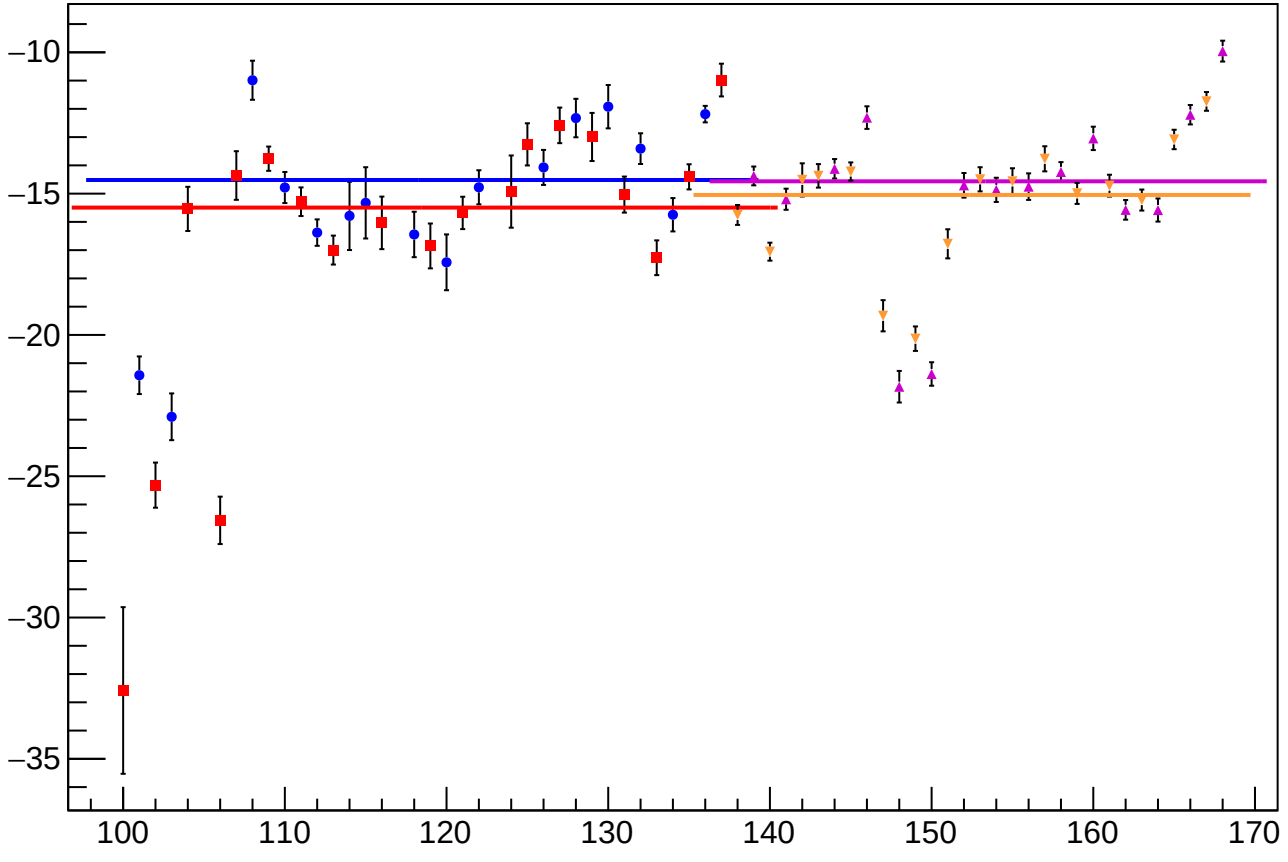
Left In: -0.494+/-0.010 χ^2/NDF:958.6/14

\+ sign -0.461+/-0.009 χ^2/NDF: 1010.0/31

All: -0.488+/-0.007 χ^2/NDF: 2701.4/65

\- sign -0.515+/-0.009 χ^2/NDF: 1674.2/33

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -15.047+/-0.099 χ^2/NDF:407.3/15

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

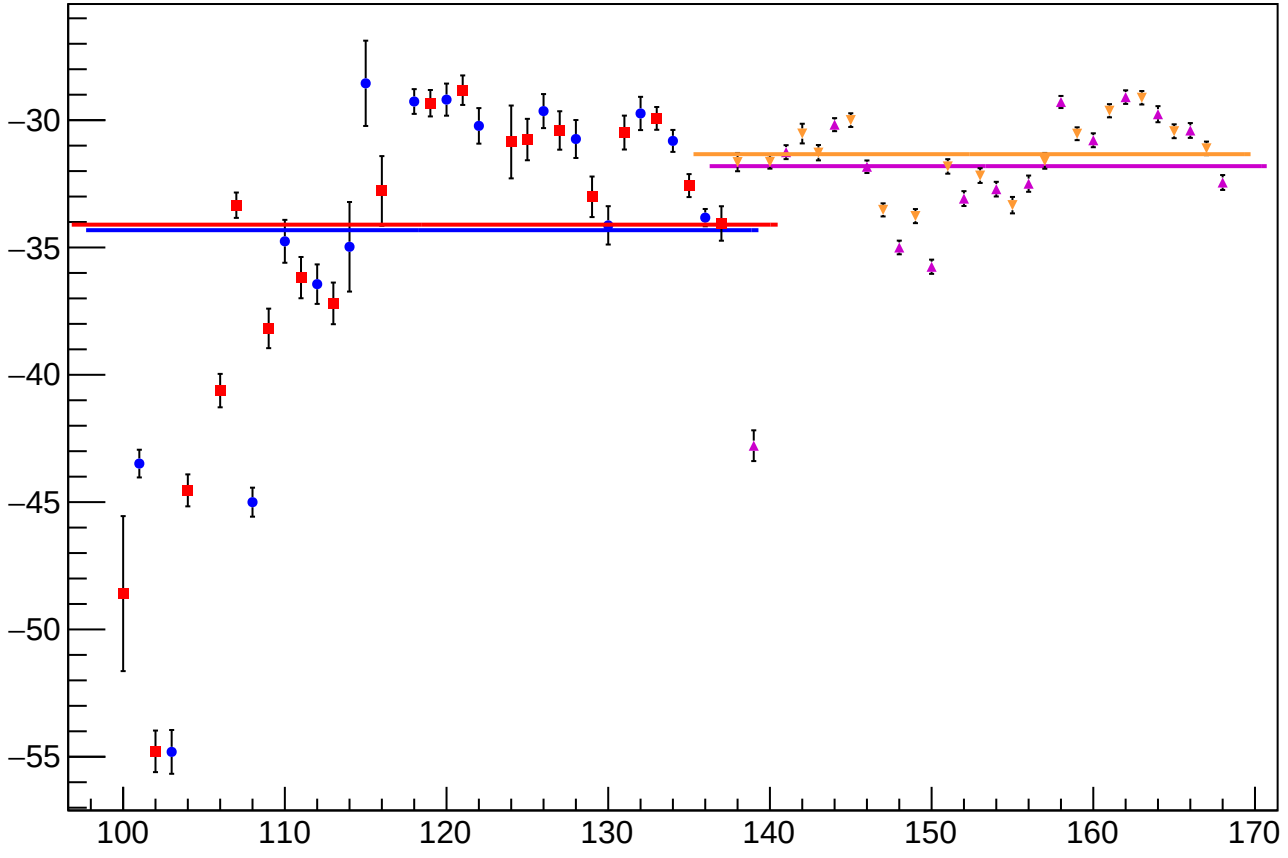
Left In: -14.564+/-0.100 χ^2/NDF:707.0/14

+ sign -14.886+/-0.082 χ^2/NDF: 779.3/31

All: -14.869+/-0.059 χ^2/NDF: 2016.8/65

- sign -14.852+/-0.083 χ^2/NDF: 1237.4/33

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.336+/-0.071 χ^2/NDF:366.0/15

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

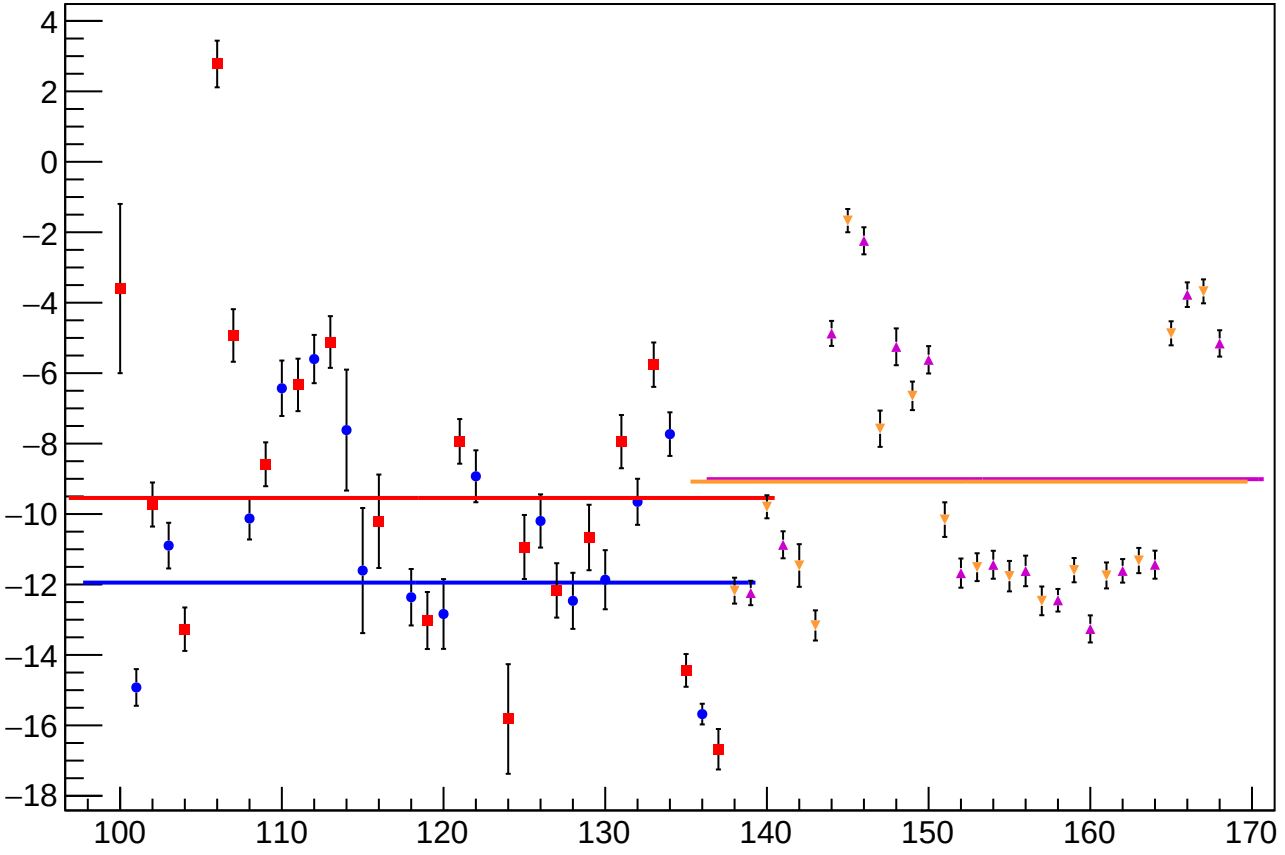
Left In: -31.806+/-0.073 χ^2/NDF:1048.2/14

+ sign -31.864+/-0.064 χ^2/NDF: 2298.8/31

All: -32.042+/-0.046 χ^2/NDF: 4978.7/65

- sign -32.229+/-0.066 χ^2/NDF: 2664.3/33

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: -9.079+/-0.097 χ^2/NDF:1429.9/15

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

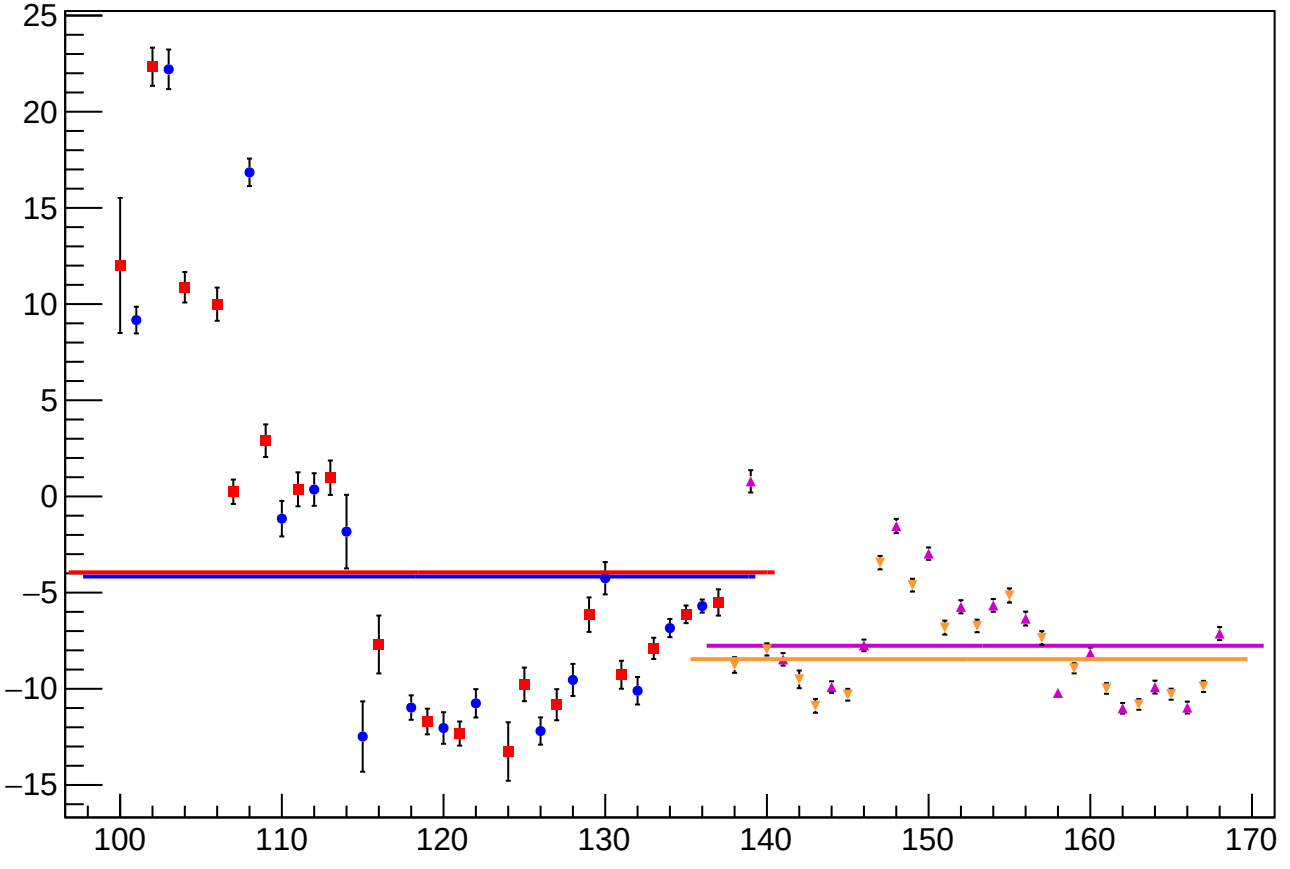
Left In: -9.010+/-0.098 χ^2/NDF:1463.9/14

+ sign -9.847+/-0.083 χ^2/NDF: 2094.7/31

All: -9.503+/-0.059 χ^2/NDF: 4448.5/65

- sign -9.148+/-0.084 χ^2/NDF: 2318.8/33

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: -8.457+/-0.081 χ^2/NDF:736.1/15

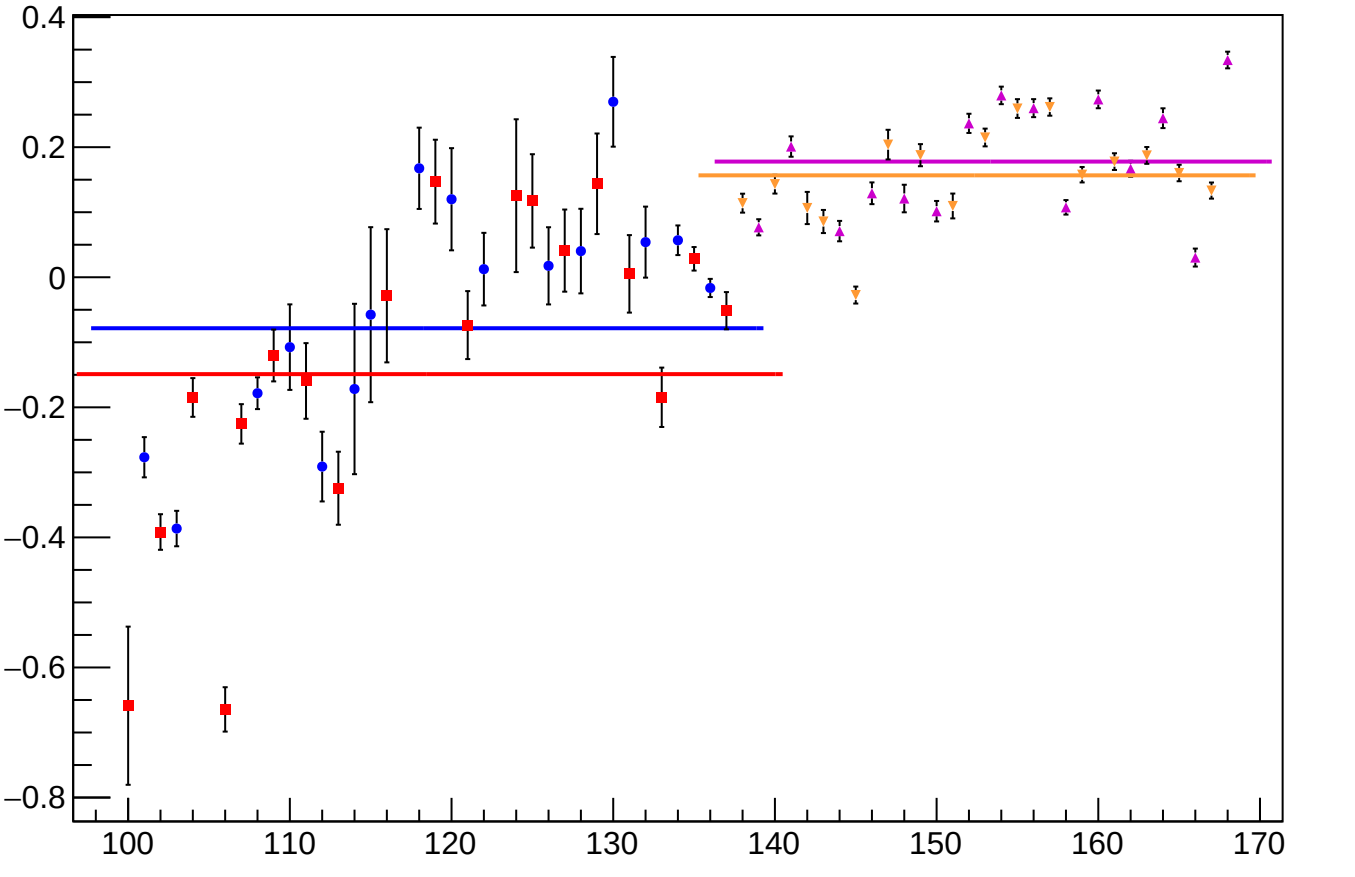
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -7.762+/-0.083 χ^2/NDF:1253.2/14

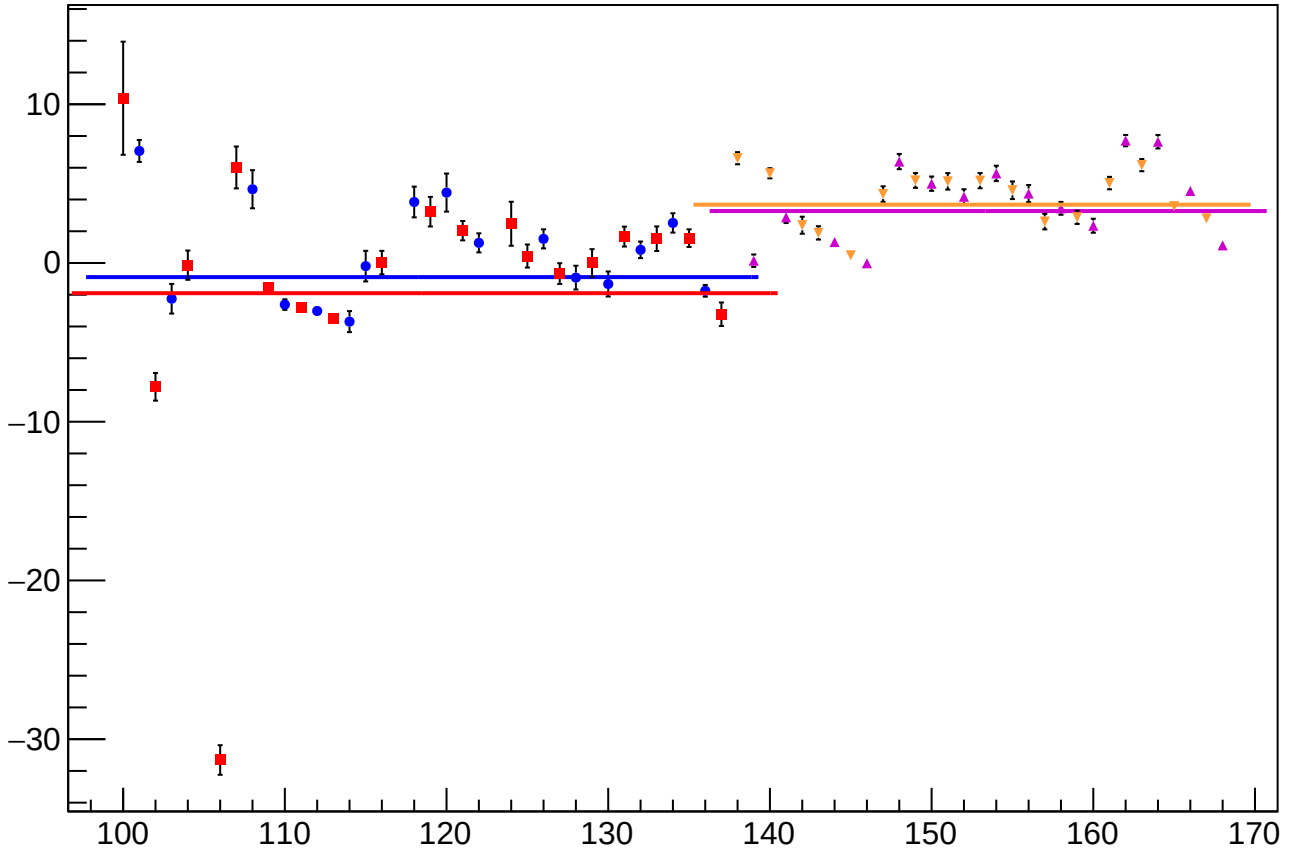
+ sign -7.678+/-0.073 χ^2/NDF: 3771.8/31

All: -7.381+/-0.052 χ^2/NDF: 7553.4/65

- sign -7.067+/-0.075 χ^2/NDF: 3747.6/33


reg_asym_sam_13_57_dd_diff_bpm12X_slope 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: -0.078+/-0.009 χ²/NDF: 318.8/15
Left Out: 0.157+/-0.004 χ²/NDF:385.6/15
Right Out: -0.149+/-0.009 χ²/NDF: 524.8/18
Left In: 0.178+/-0.004 χ²/NDF:633.8/14
+ sign 0.121+/-0.003 χ²/NDF: 1342.4/31
All: 0.127+/-0.002 χ²/NDF: 3624.3/65
- sign 0.133+/-0.003 χ²/NDF: 2275.9/33

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.673+/-0.095 χ^2/NDF:395.6/15

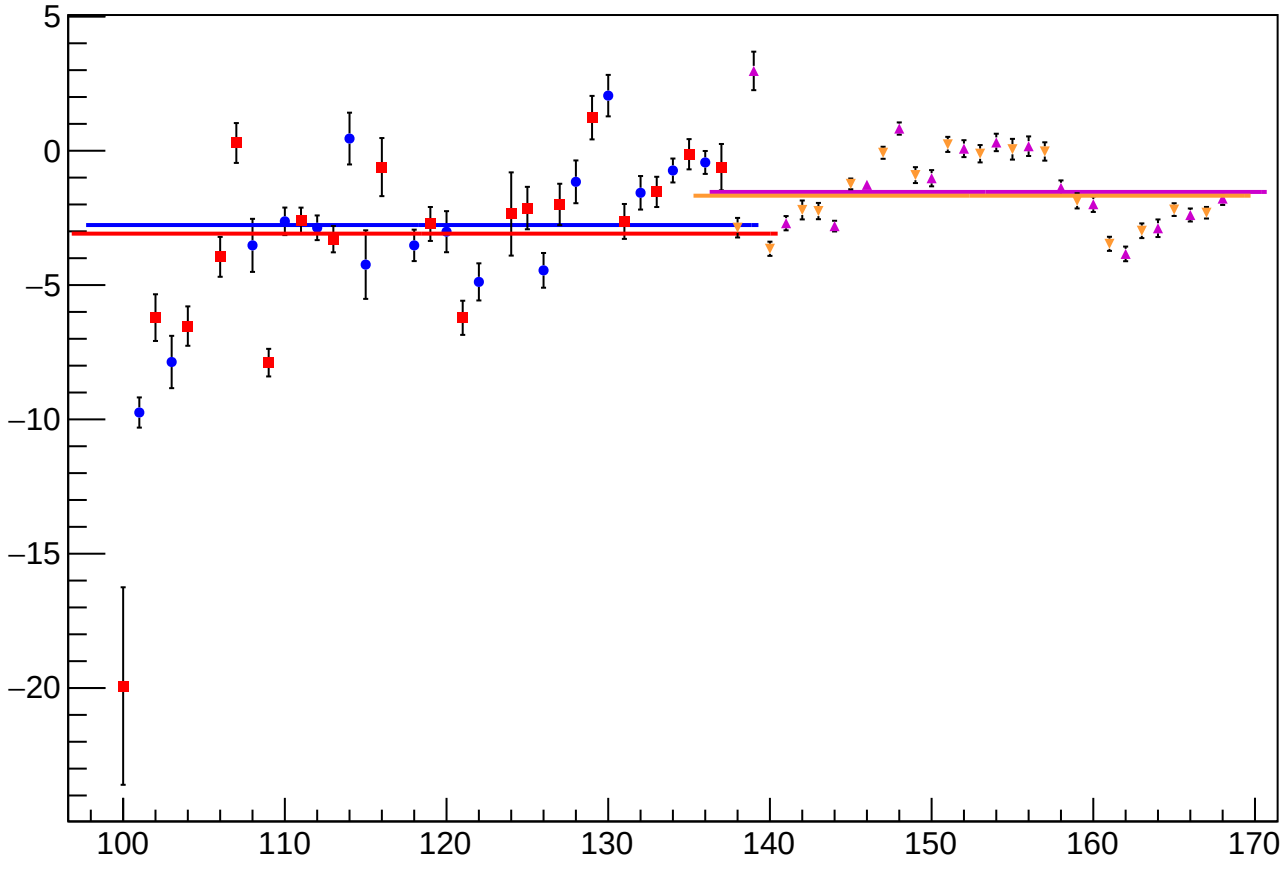
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.272+/-0.096 χ^2/NDF:658.8/14

+ sign 2.177+/-0.078 χ^2/NDF: 1525.7/31

All: 1.787+/-0.055 χ^2/NDF: 4605.7/65

- sign 1.410+/-0.077 χ^2/NDF: 3031.0/33



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.673+/-0.068 χ^2/NDF:330.6/15

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

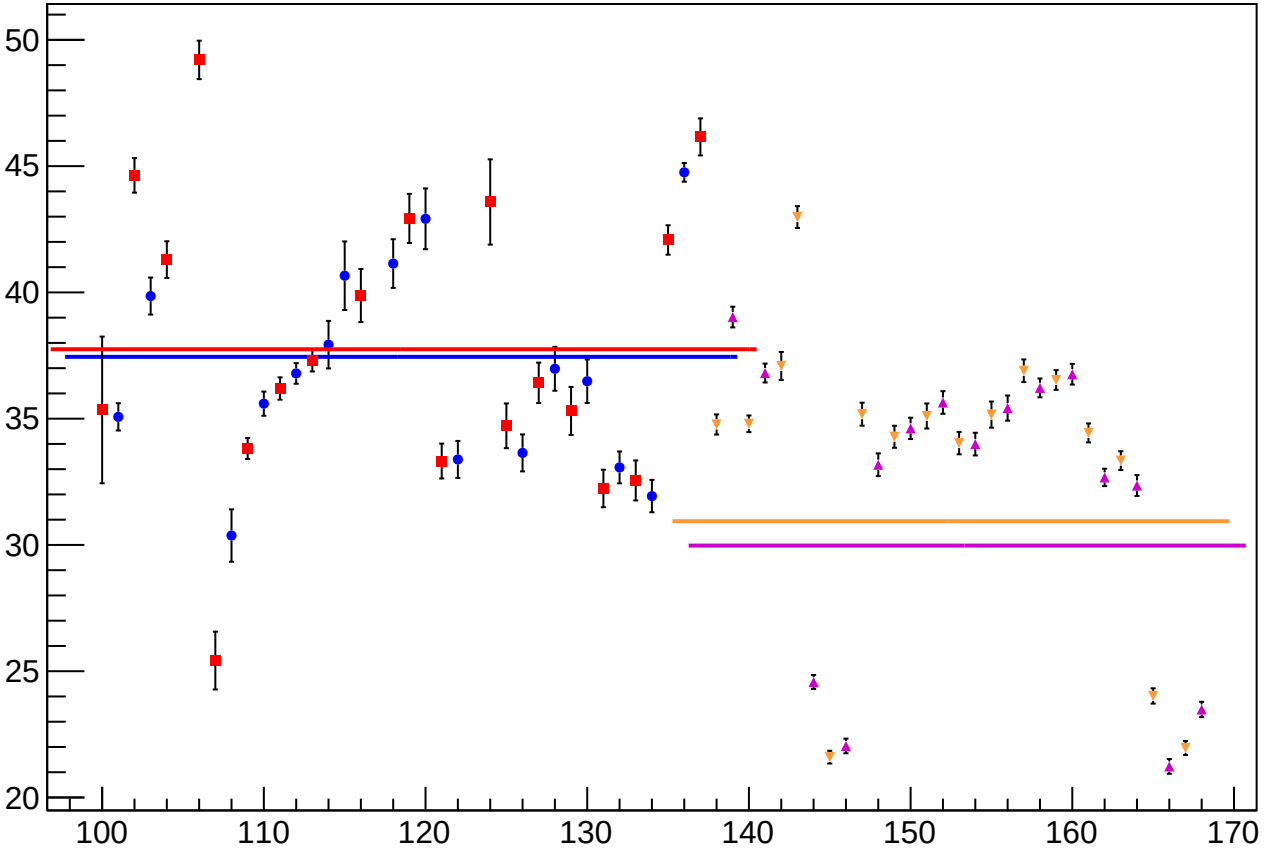
Left In: -1.534+/-0.068 χ^2/NDF:396.8/14

+ sign -1.849+/-0.063 χ^2/NDF: 681.7/31

All: -1.815+/-0.044 χ^2/NDF: 1433.2/65

- sign -1.780+/-0.063 χ^2/NDF: 750.9/33

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: 30.940+/-0.094 χ^2/NDF:4908.9/15

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

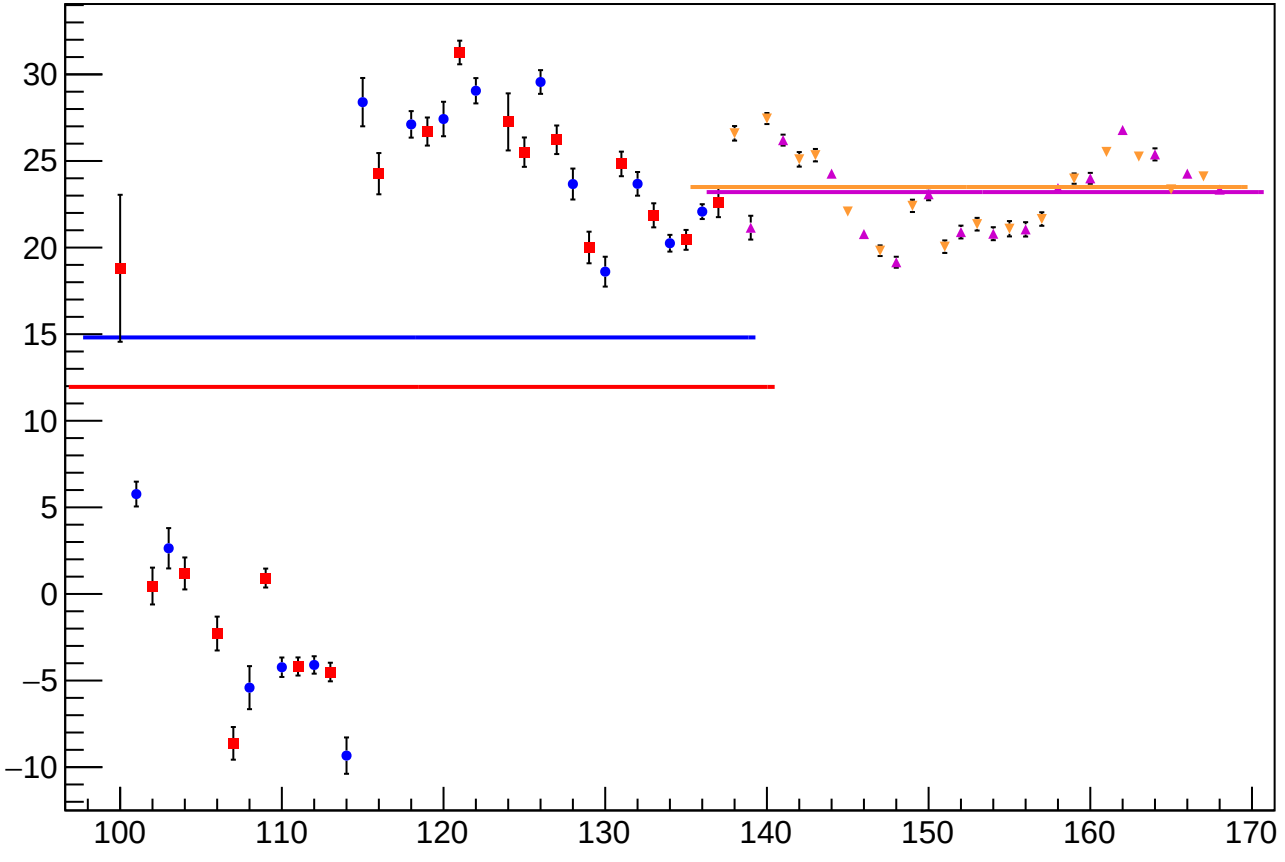
Left In: 29.974+/-0.094 χ^2/NDF:4475.8/14

+ sign 32.606+/-0.081 χ^2/NDF: 6836.2/31

All: 32.298+/-0.057 χ^2/NDF: 14065.9/65

- sign 31.991+/-0.081 χ^2/NDF: 7201.1/33

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: 23.497+/-0.078 χ^2/NDF:715.1/15

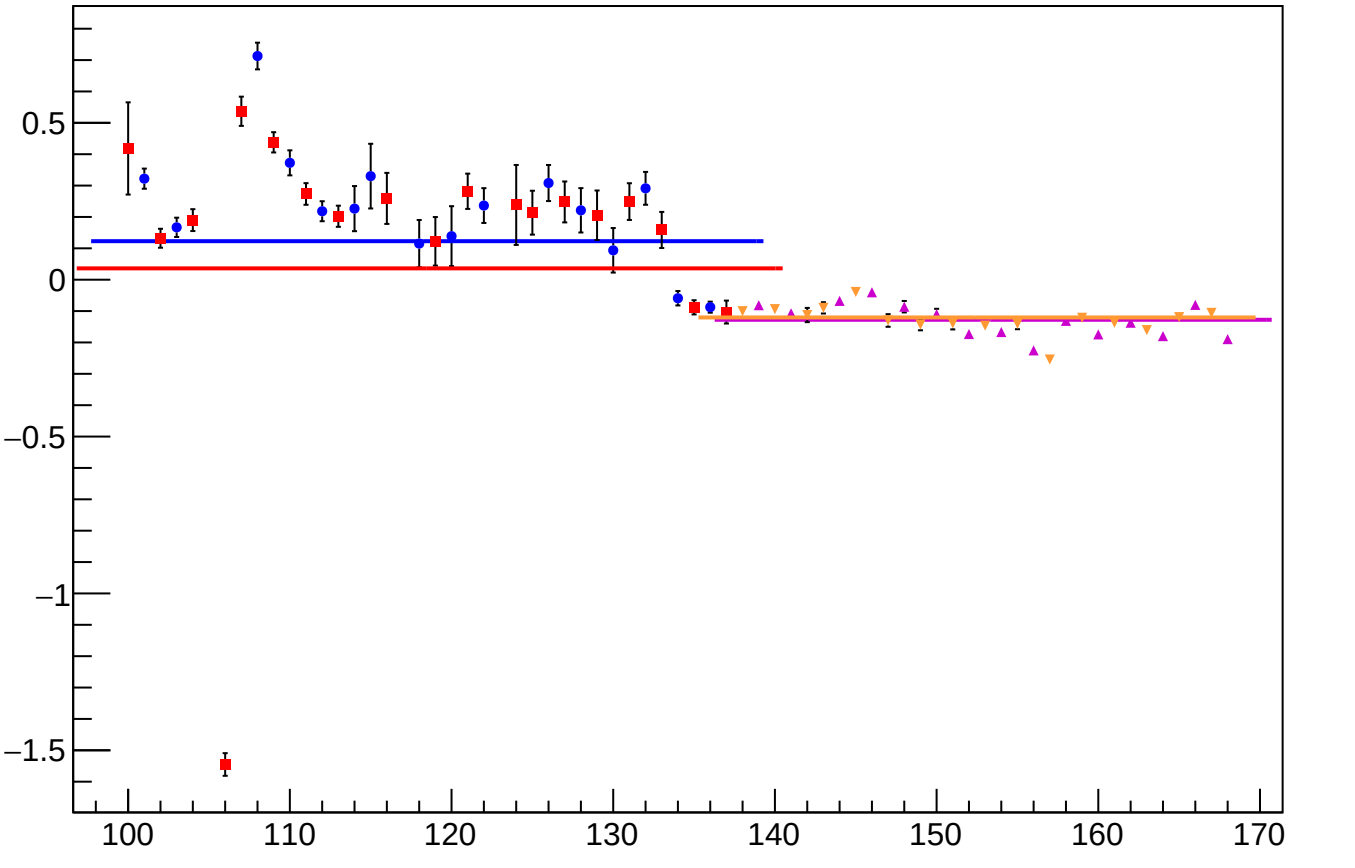
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.203+/-0.079 χ^2/NDF:730.7/14

+ sign 22.033+/-0.071 χ^2/NDF: 8475.7/31

All: 21.685+/-0.051 χ^2/NDF: 18732.1/65

- sign 21.328+/-0.072 χ^2/NDF: 10208.2/33



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.120+/-0.004 χ^2/NDF:177.0/15

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

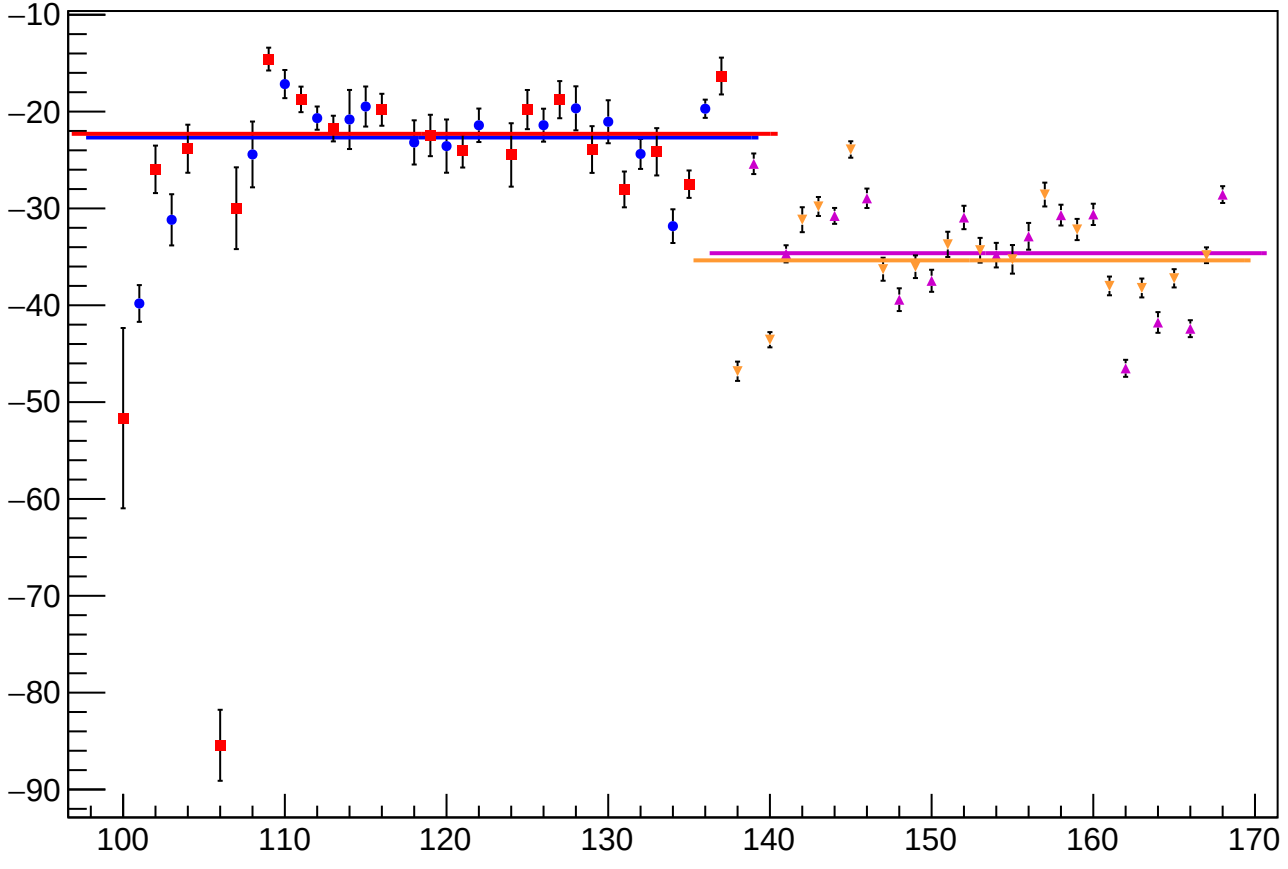
Left In: -0.128+/-0.004 χ^2/NDF:217.3/14

+ sign -0.090+/-0.003 χ^2/NDF: 1280.8/31

All: -0.099+/-0.002 χ^2/NDF: 4175.9/65

- sign -0.108+/-0.003 χ^2/NDF: 2879.8/33

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.363+/-0.258 χ^2/NDF:527.7/15

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

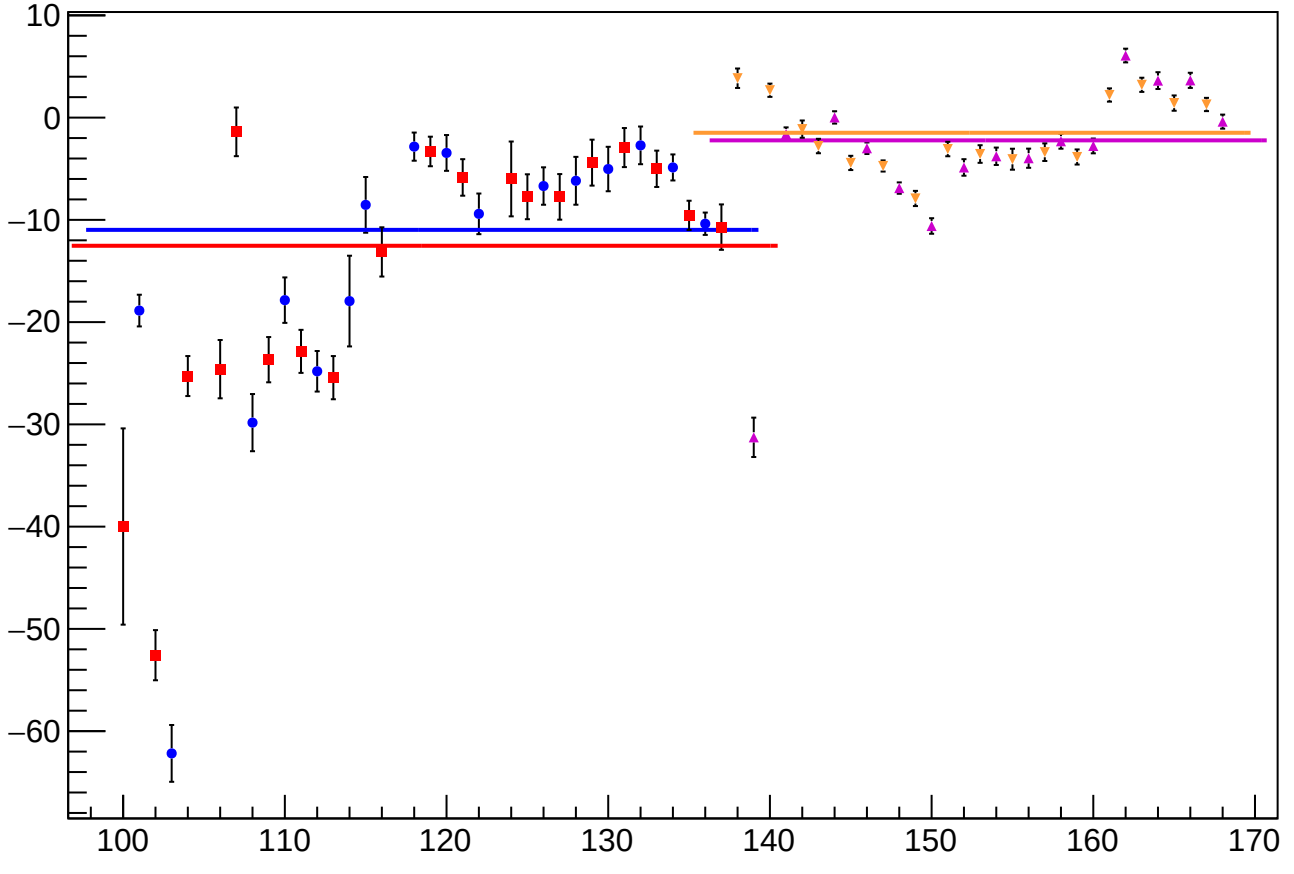
Left In: -34.623+/-0.263 χ^2/NDF:546.0/14

+ sign -32.052+/-0.222 χ^2/NDF: 1312.3/31

All: -31.694+/-0.158 χ^2/NDF: 2856.9/65

- sign -31.325+/-0.225 χ^2/NDF: 1539.4/33

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -1.483+/-0.182 χ^2/NDF:348.1/15

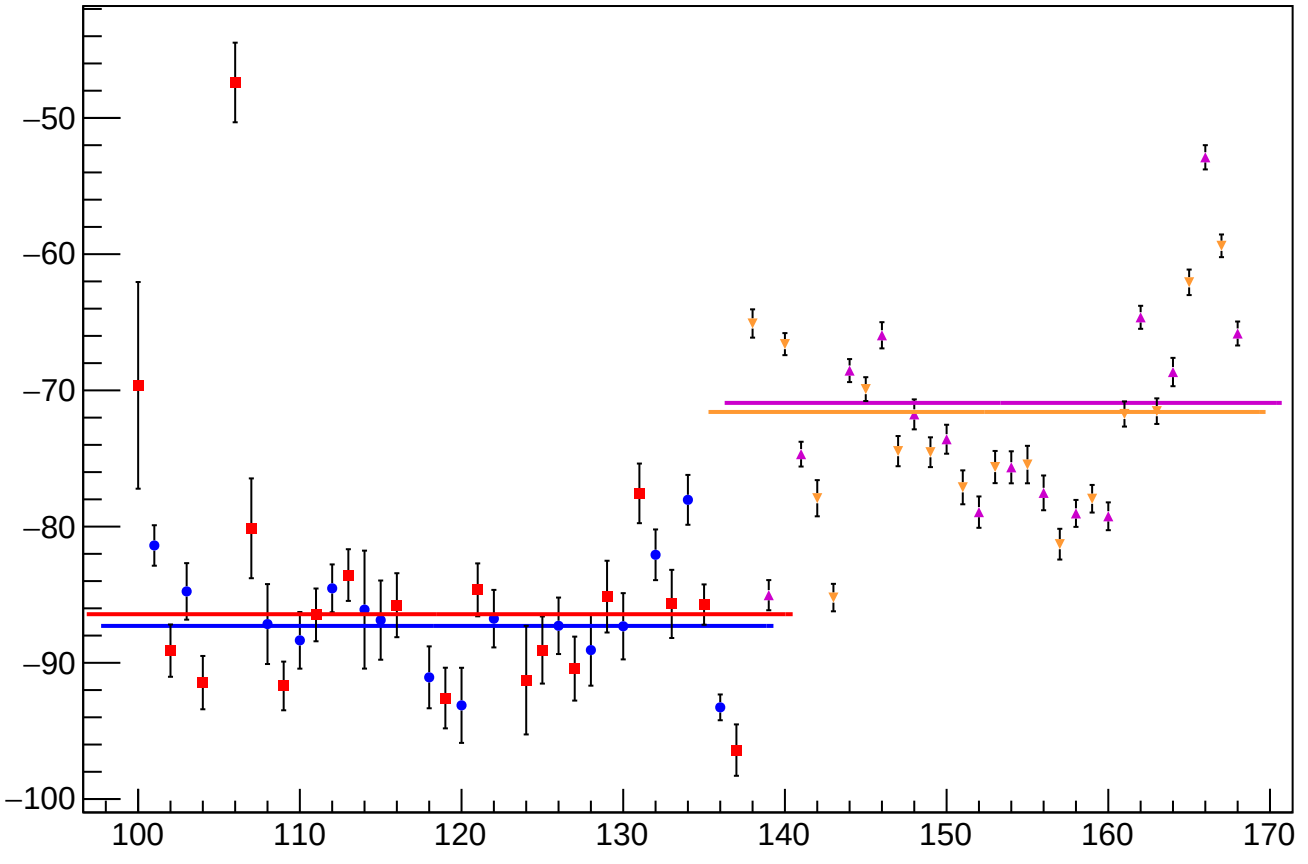
Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -2.226+/-0.186 χ^2/NDF:726.9/14

+ sign -2.799+/-0.169 χ^2/NDF: 1313.3/31

All: -3.171+/-0.121 χ^2/NDF: 3021.9/65

- sign -3.563+/-0.173 χ^2/NDF: 1698.6/33



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -71.584+/-0.254 χ^2/NDF:770.4/15

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

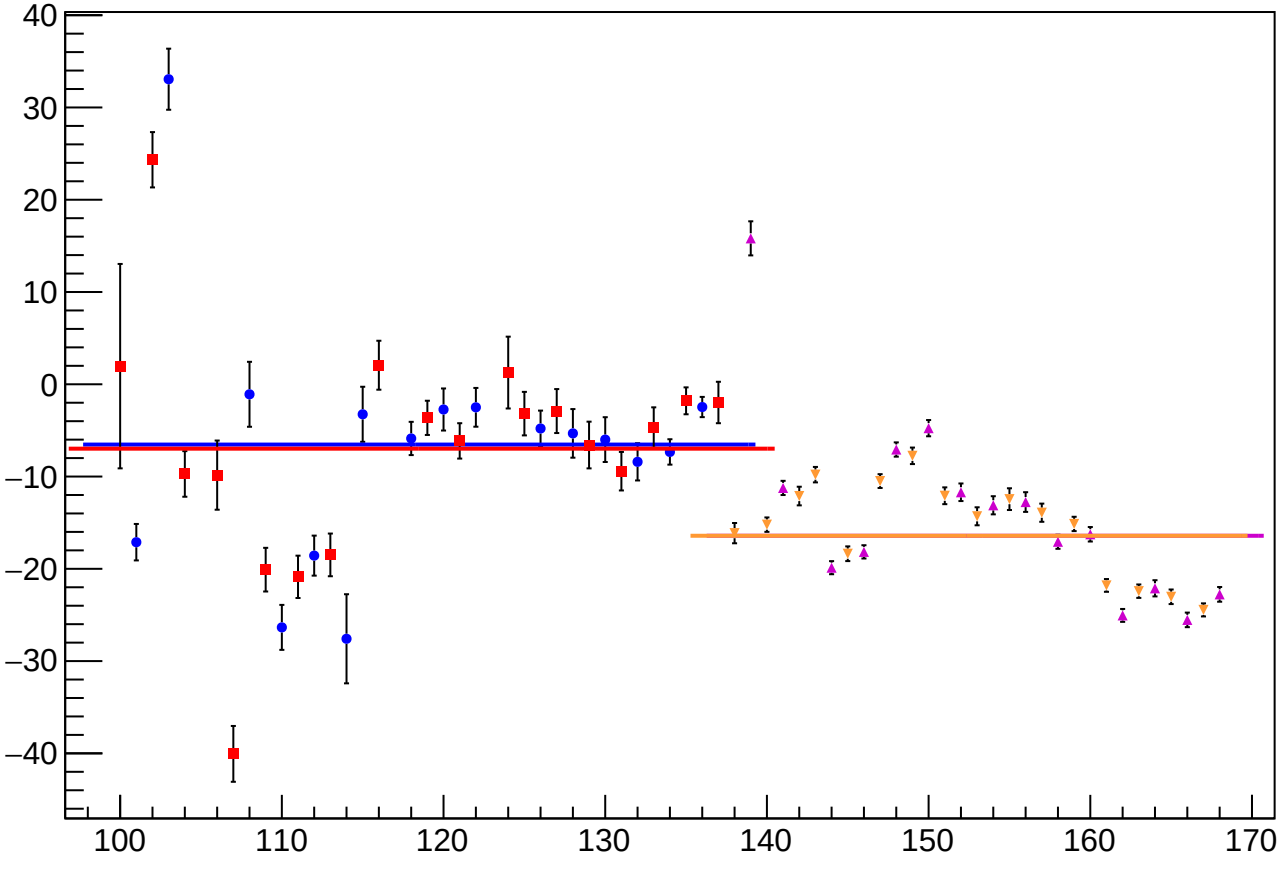
Left In: -70.918+/-0.257 χ^2/NDF:949.8/14

\+ sign -75.014+/-0.225 χ^2/NDF: 1706.5/31

All: -74.564+/-0.160 χ^2/NDF: 3676.9/65

\- sign -74.096+/-0.229 χ^2/NDF: 1962.2/33

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: -16.417+/-0.210 χ^2/NDF:620.6/15

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

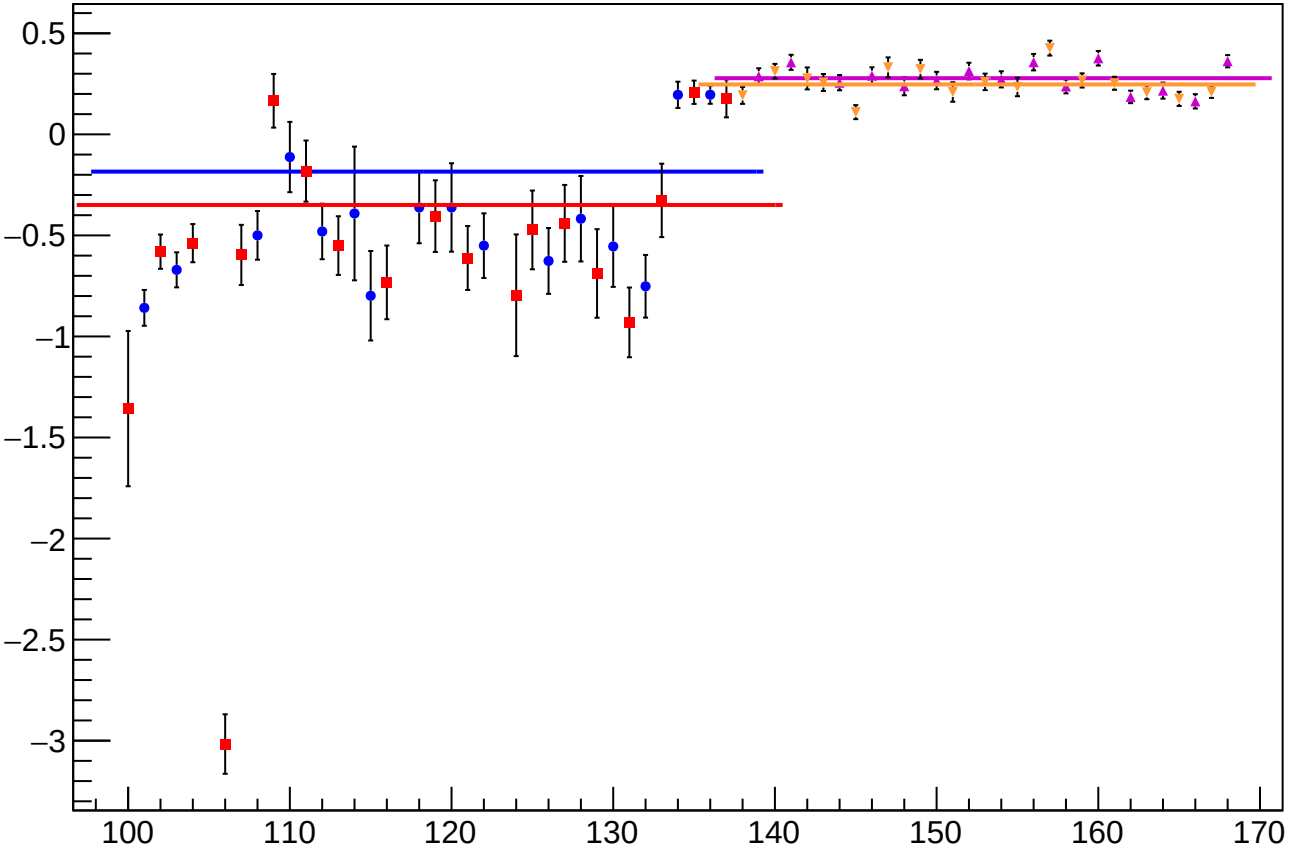
Left In: -16.419+/-0.215 χ^2/NDF:1140.6/14

+ sign -14.977+/-0.194 χ^2/NDF: 1257.9/31

All: -15.055+/-0.139 χ^2/NDF: 3029.7/65

- sign -15.139+/-0.199 χ^2/NDF: 1771.4/33

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: 0.247+/-0.010 χ^2/NDF:58.4/15

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

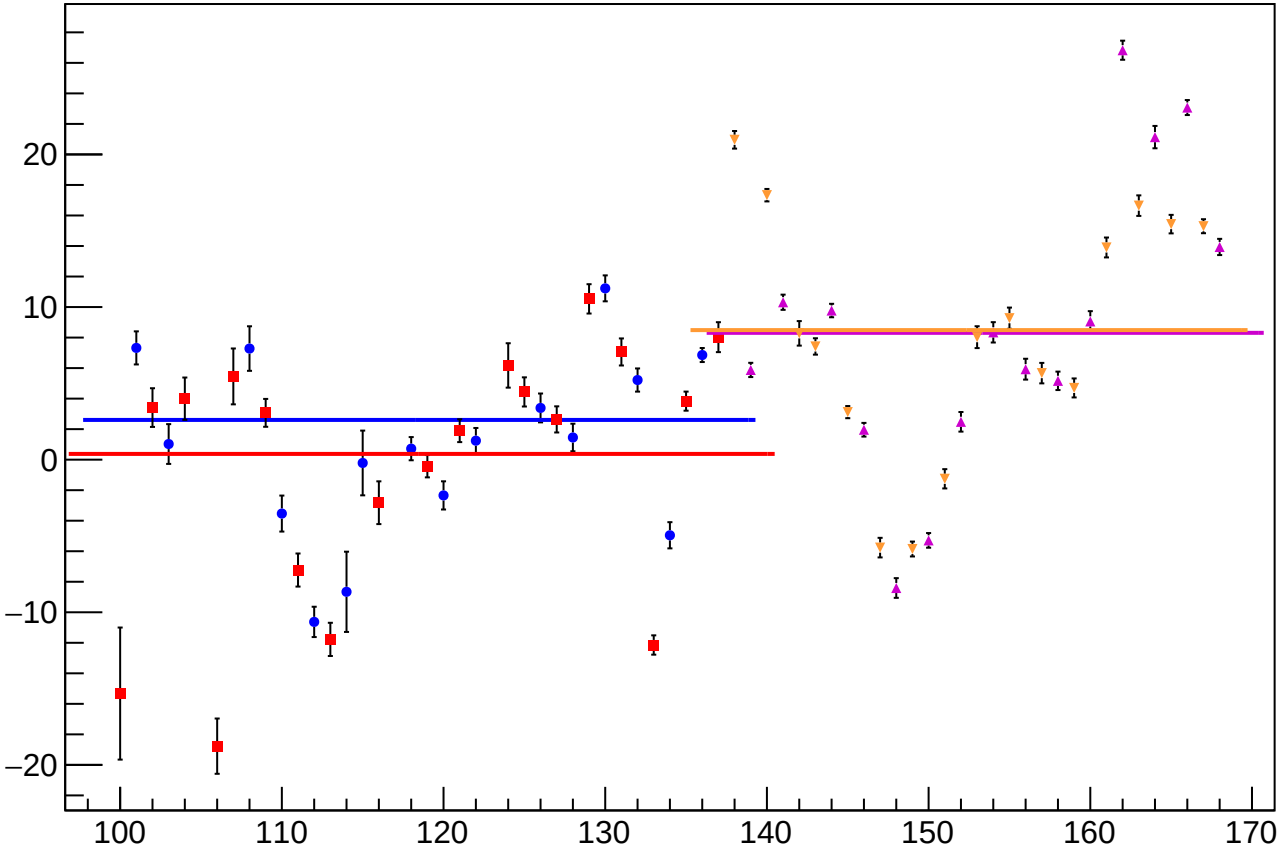
Left In: 0.278+/-0.010 χ^2/NDF:48.5/14

+ sign 0.197+/-0.009 χ^2/NDF: 535.4/31

All: 0.207+/-0.006 χ^2/NDF: 1515.3/65

- sign 0.216+/-0.009 χ^2/NDF: 977.8/33

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: 8.489+/-0.141 χ^2/NDF:3341.7/15

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

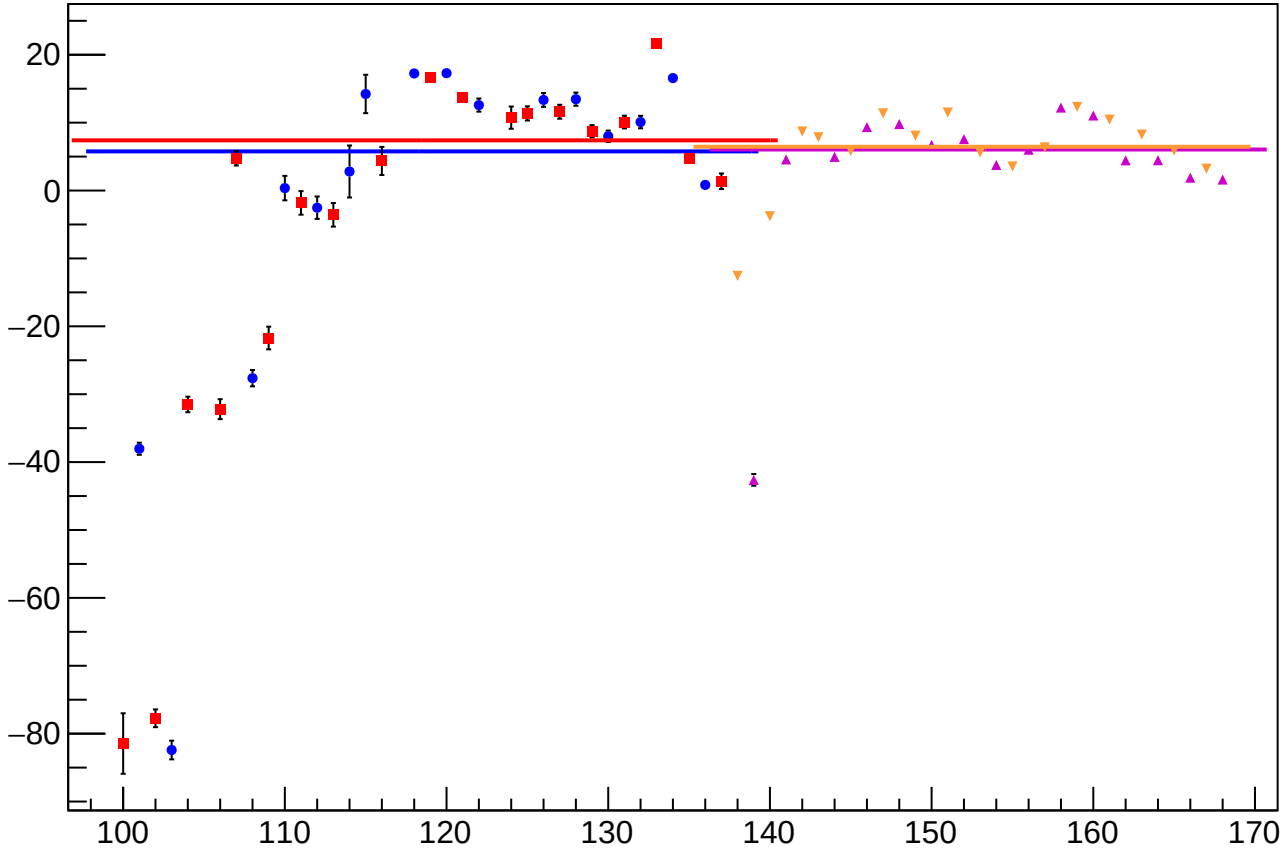
Left In: 8.311+/-0.142 χ^2/NDF:4045.4/14

+ sign 6.821+/-0.119 χ^2/NDF: 4409.0/31

All: 6.413+/-0.085 χ^2/NDF: 10412.3/65

- sign 6.002+/-0.120 χ^2/NDF: 5979.9/33

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.445+/-0.100 χ^2/NDF:2906.0/15

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

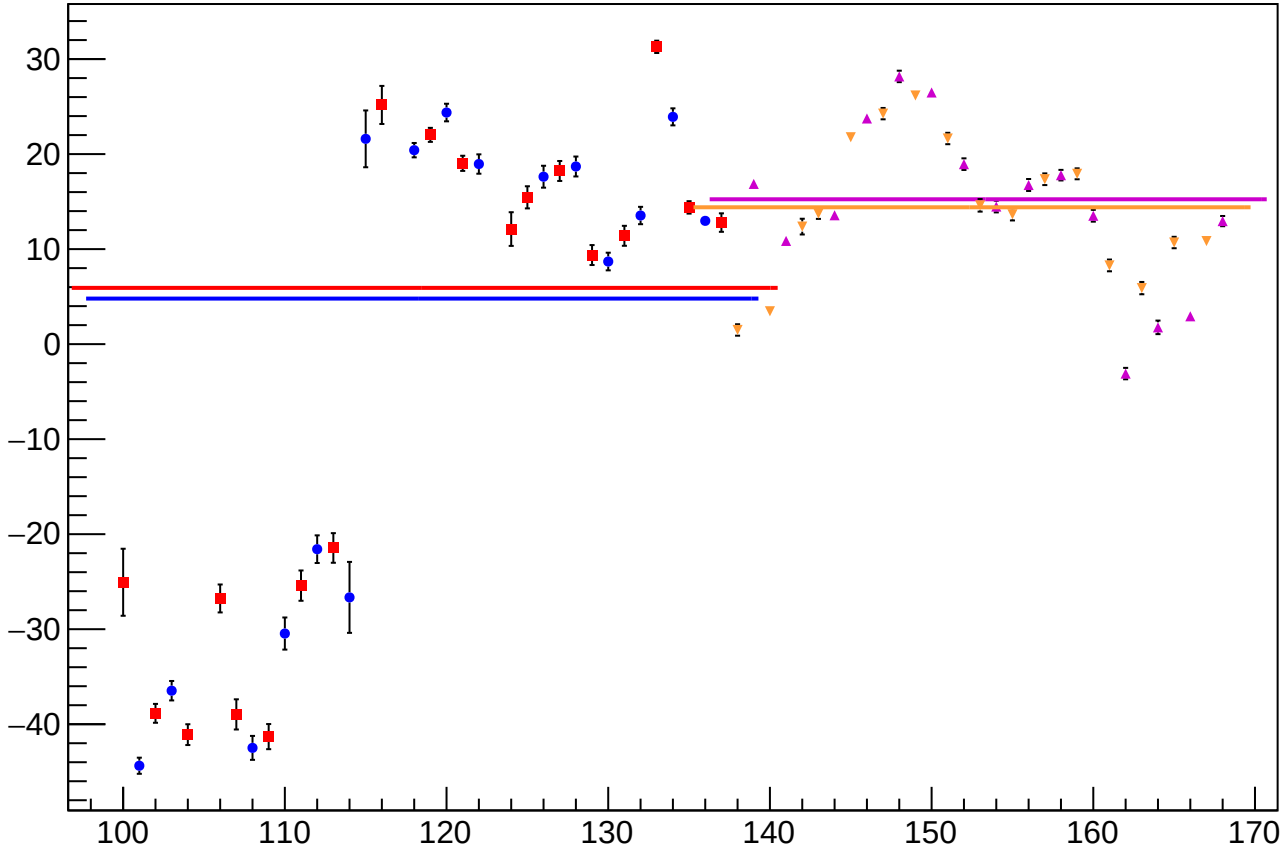
Left In: 6.045+/-0.102 χ^2/NDF:4153.1/14

+ sign 6.320+/-0.090 χ^2/NDF: 11848.3/31

All: 6.312+/-0.064 χ^2/NDF: 24425.6/65

- sign 6.305+/-0.092 χ^2/NDF: 12577.3/33

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: 14.403+/-0.139 χ^2/NDF:2980.4/15

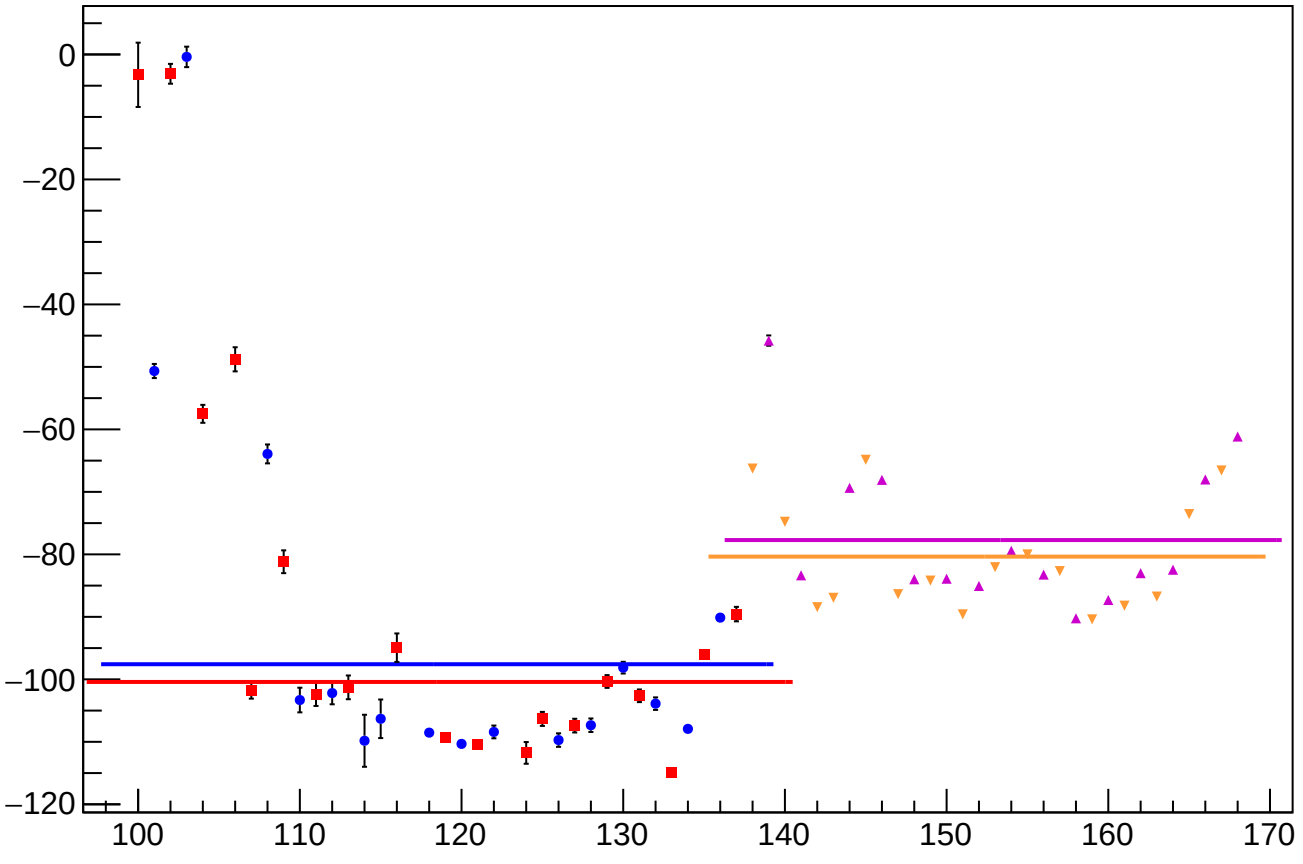
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 15.245+/-0.139 χ^2/NDF:3551.3/14

+ sign 11.962+/-0.120 χ^2/NDF: 13699.2/31

All: 12.429+/-0.085 χ^2/NDF: 28471.4/65

- sign 12.901+/-0.120 χ^2/NDF: 14741.6/33



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -80.363+/-0.116 χ^2/NDF:5793.4/15

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

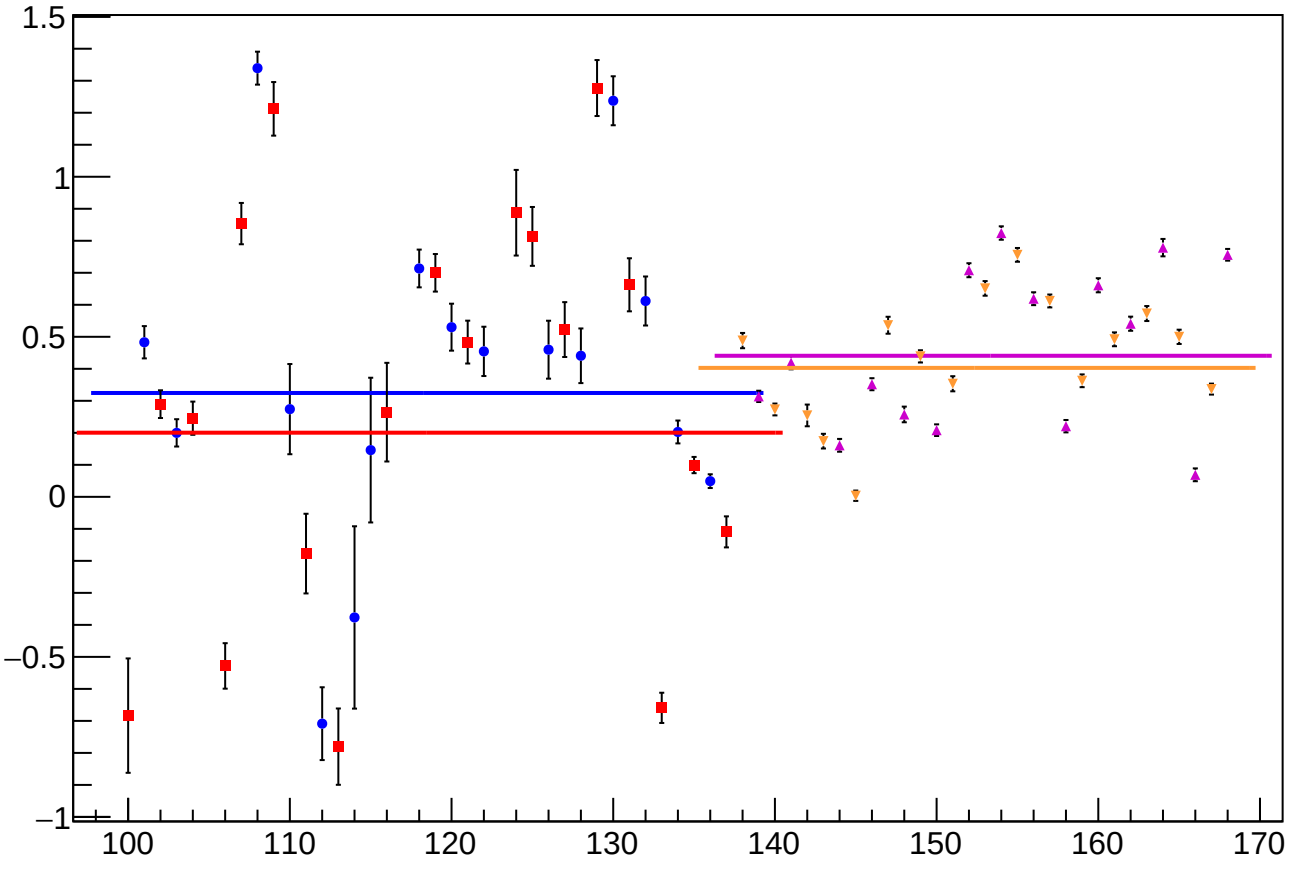
Left In: -77.711+/-0.118 χ^2/NDF:6802.4/14

+ sign -83.584+/-0.105 χ^2/NDF: 17063.6/31

All: -82.857+/-0.074 χ^2/NDF: 38239.3/65

- sign -82.108+/-0.106 χ^2/NDF: 21077.6/33

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: 0.403+/-0.005 χ^2/NDF:1425.3/15

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

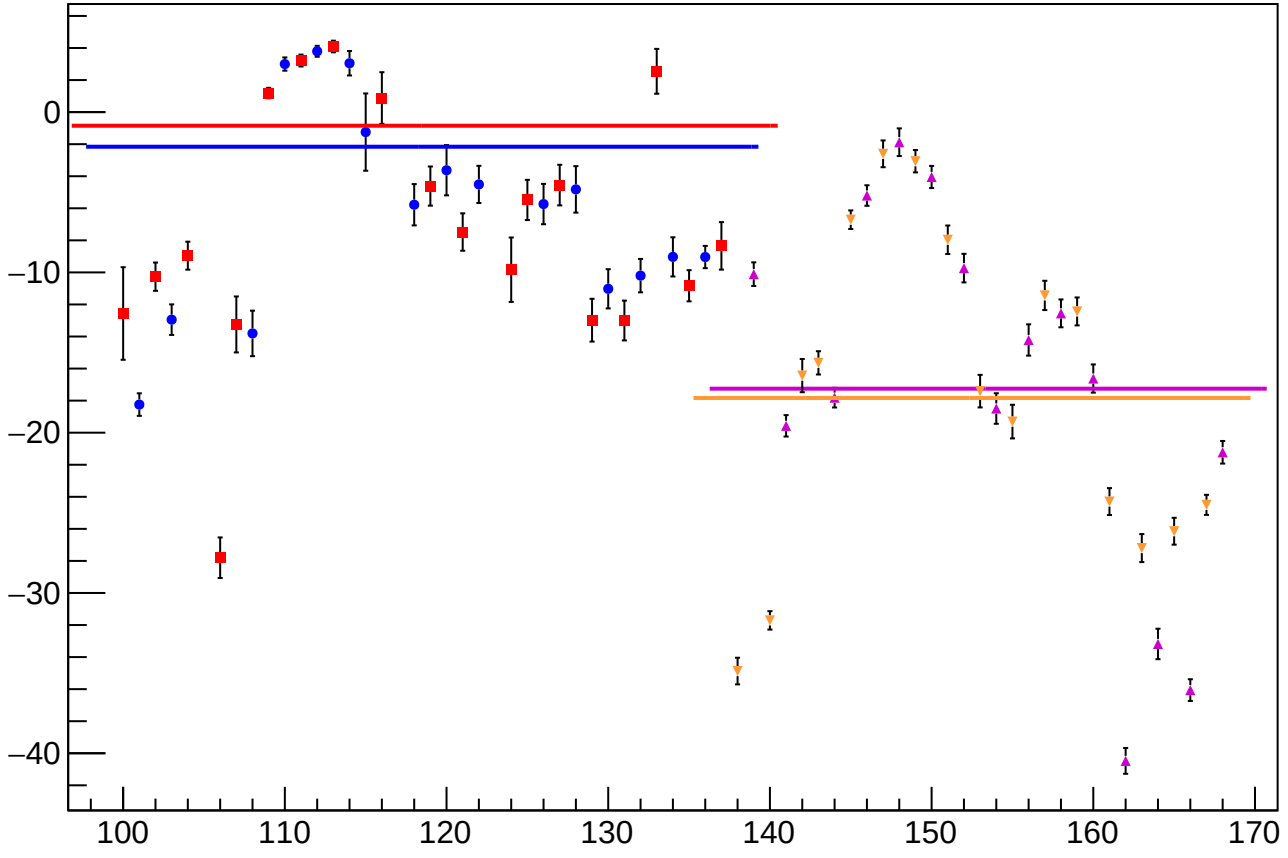
Left In: 0.441+/-0.005 χ^2/NDF:2095.3/14

+ sign 0.392+/-0.005 χ^2/NDF: 2341.9/31

All: 0.401+/-0.003 χ^2/NDF: 5913.4/65

- sign 0.410+/-0.005 χ^2/NDF: 3564.7/33

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -17.835+/-0.196 χ^2/NDF:2761.9/15

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

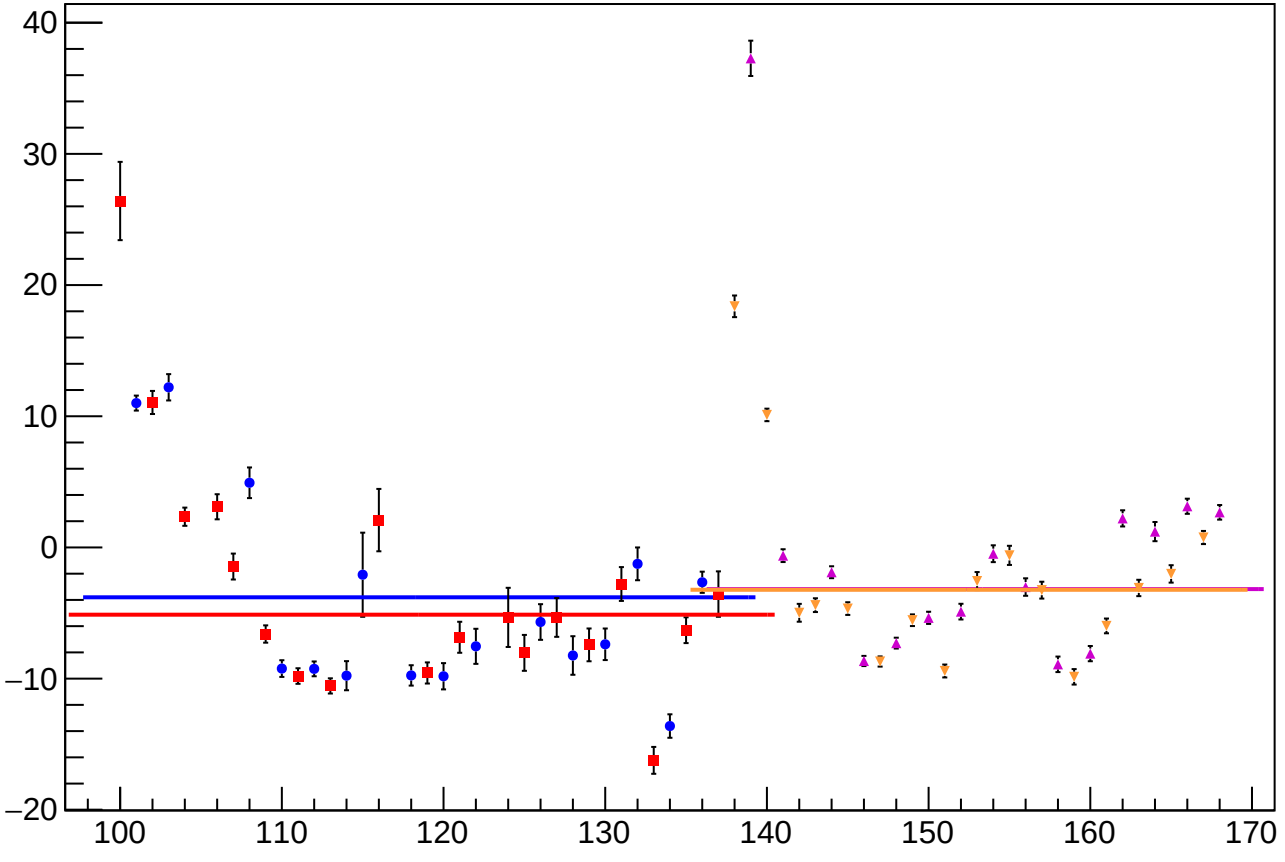
Left In: -17.254+/-0.198 χ^2/NDF:3172.2/14

+ sign -9.850+/-0.137 χ^2/NDF: 7523.7/31

All: -8.778+/-0.094 χ^2/NDF: 16219.1/65

- sign -7.825+/-0.129 χ^2/NDF: 8579.8/33

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -3.226+/-0.137 χ^2/NDF:2098.5/15

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

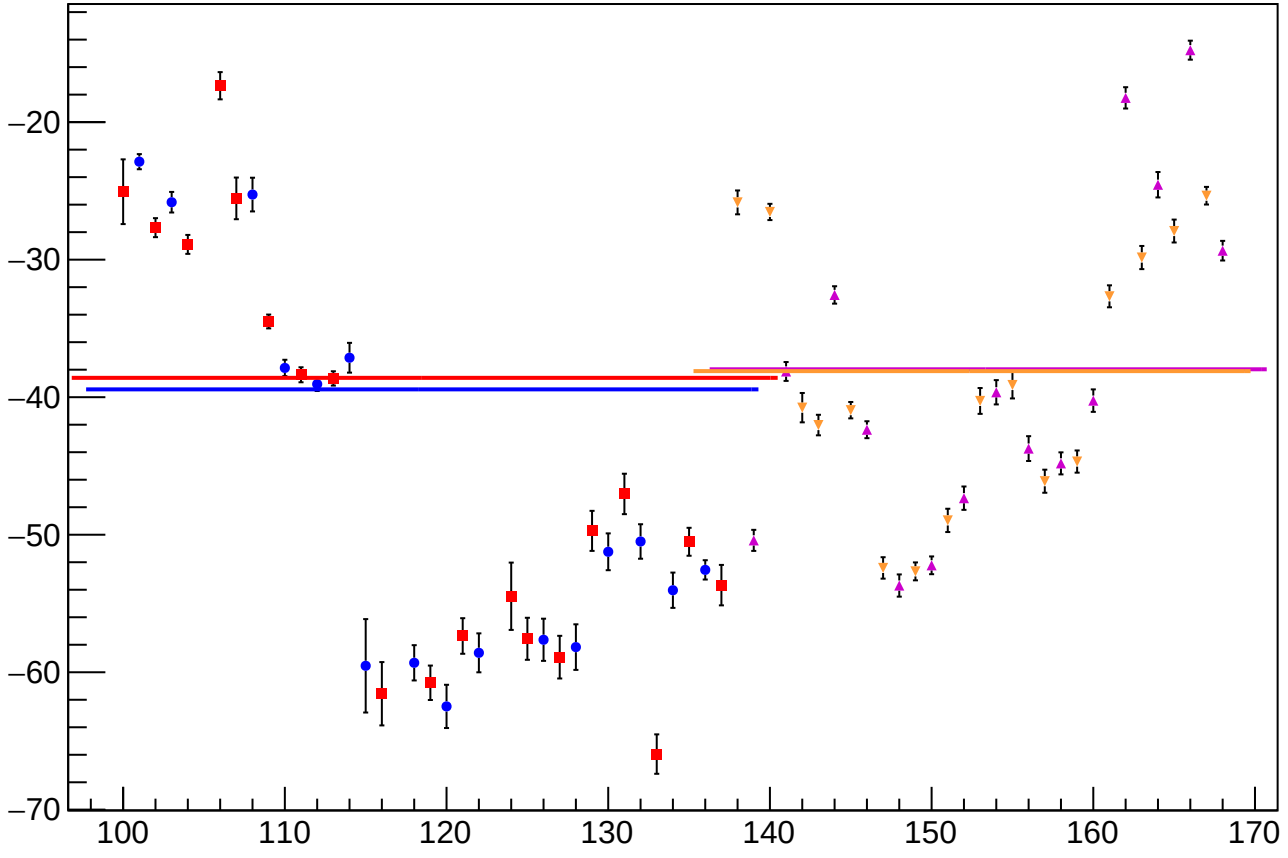
Left In: -3.175+/-0.140 χ^2/NDF:1793.6/14

+ sign -3.381+/-0.117 χ^2/NDF: 3528.8/31

All: -3.561+/-0.083 χ^2/NDF: 6364.1/65

- sign -3.744+/-0.118 χ^2/NDF: 2830.5/33

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -38.104+/-0.192 χ^2/NDF:2493.0/15

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

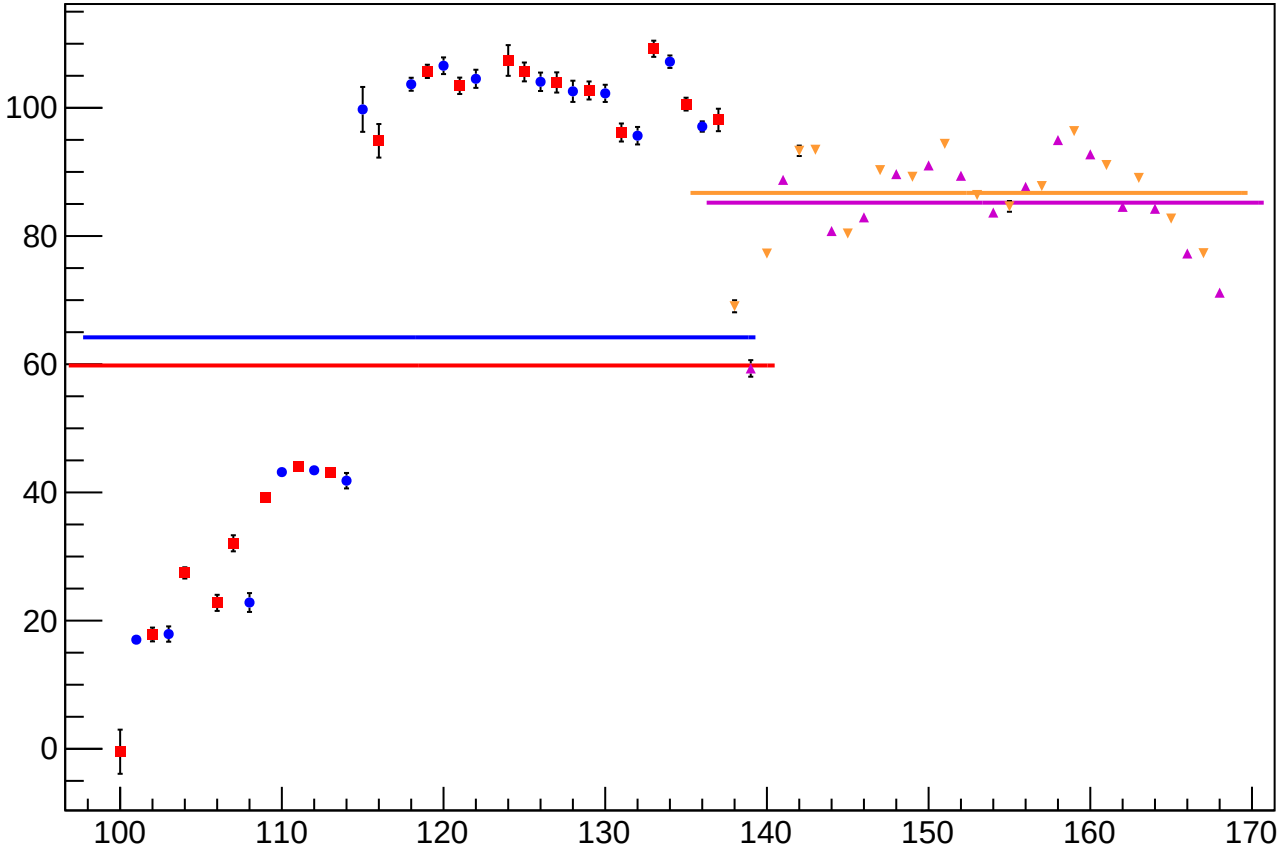
Left In: -37.971+/-0.193 χ^2/NDF:3635.5/14

+ sign -38.663+/-0.146 χ^2/NDF: 5471.1/31

All: -38.453+/-0.102 χ^2/NDF: 11887.5/65

- sign -38.252+/-0.143 χ^2/NDF: 6412.3/33

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 86.729+/-0.160 χ^2/NDF:1799.9/15

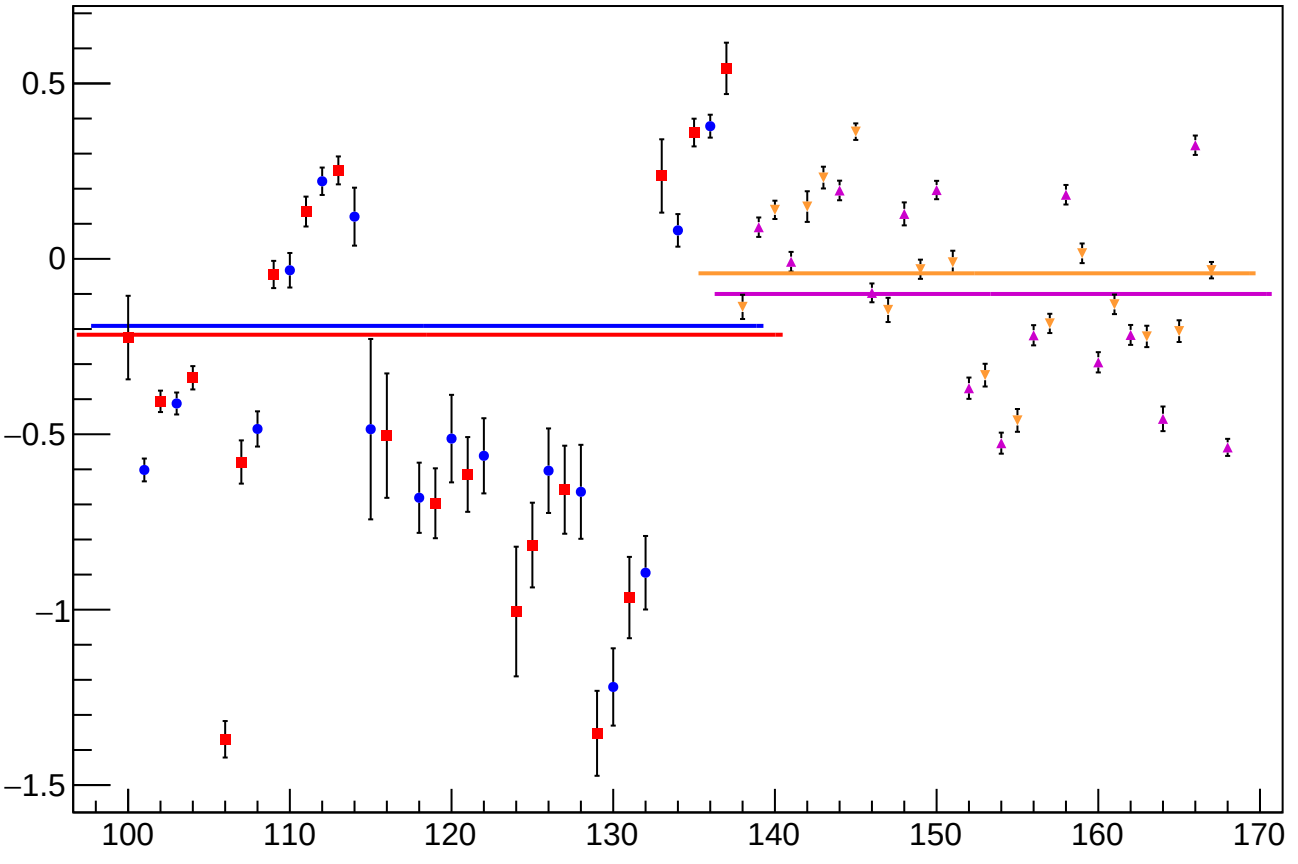
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 85.203+/-0.163 χ^2/NDF:1788.6/14

+ sign 80.468+/-0.136 χ^2/NDF: 25926.2/31

All: 79.034+/-0.096 χ^2/NDF: 52670.8/65

- sign 77.590+/-0.136 χ^2/NDF: 26520.4/33



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.041+/-0.007 χ^2/NDF:807.2/15

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

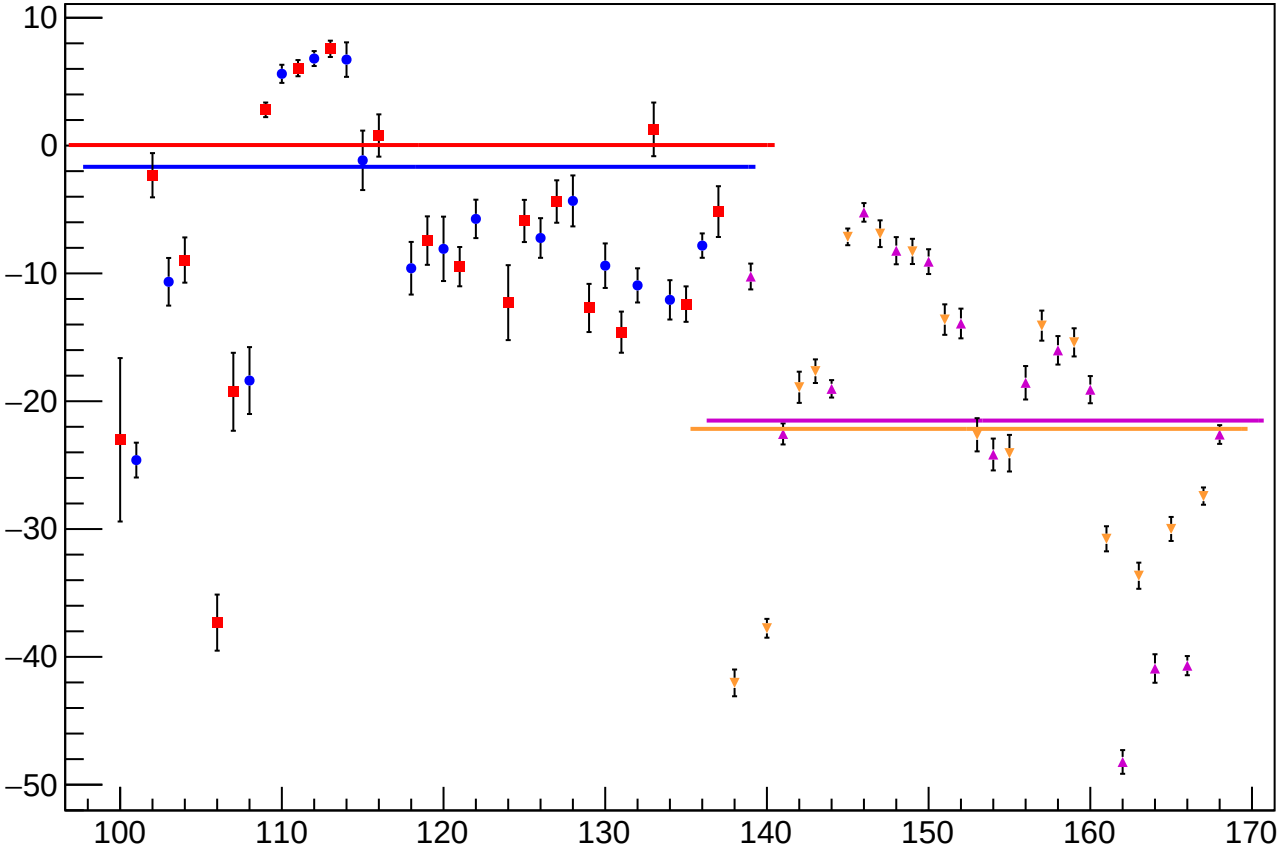
Left In: -0.100+/-0.007 χ^2/NDF:1469.1/14

+ sign -0.076+/-0.006 χ^2/NDF: 1821.3/31

All: -0.102+/-0.005 χ^2/NDF: 4753.1/65

- sign -0.128+/-0.006 χ^2/NDF: 2898.2/33

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -22.163+/-0.239 χ^2/NDF:2250.8/15

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

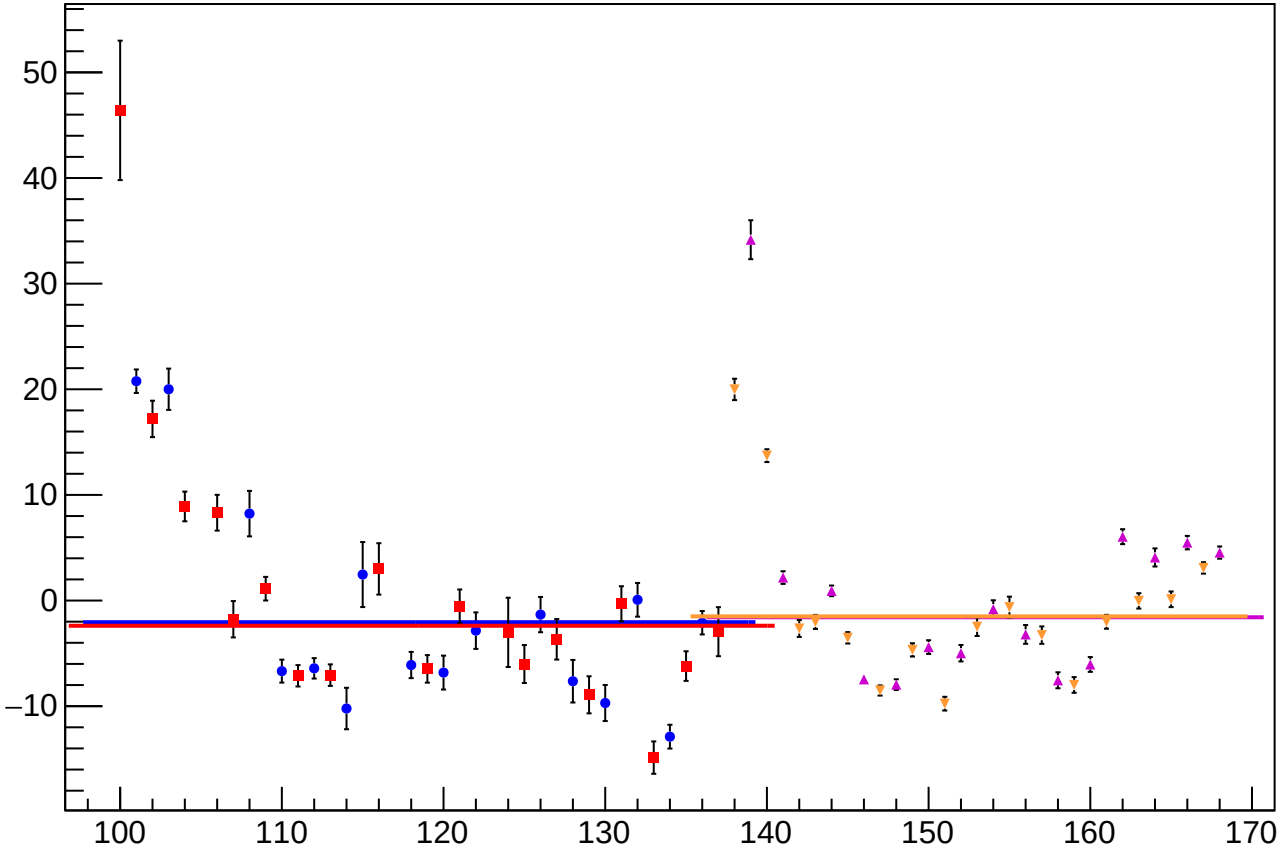
Left In: -21.513+/-0.238 χ^2/NDF:2830.3/14

+ sign -14.464+/-0.189 χ^2/NDF: 5916.9/31

All: -13.473+/-0.131 χ^2/NDF: 13147.9/65

- sign -12.554+/-0.182 χ^2/NDF: 7177.8/33

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -1.498+/-0.169 χ^2/NDF:1657.0/15

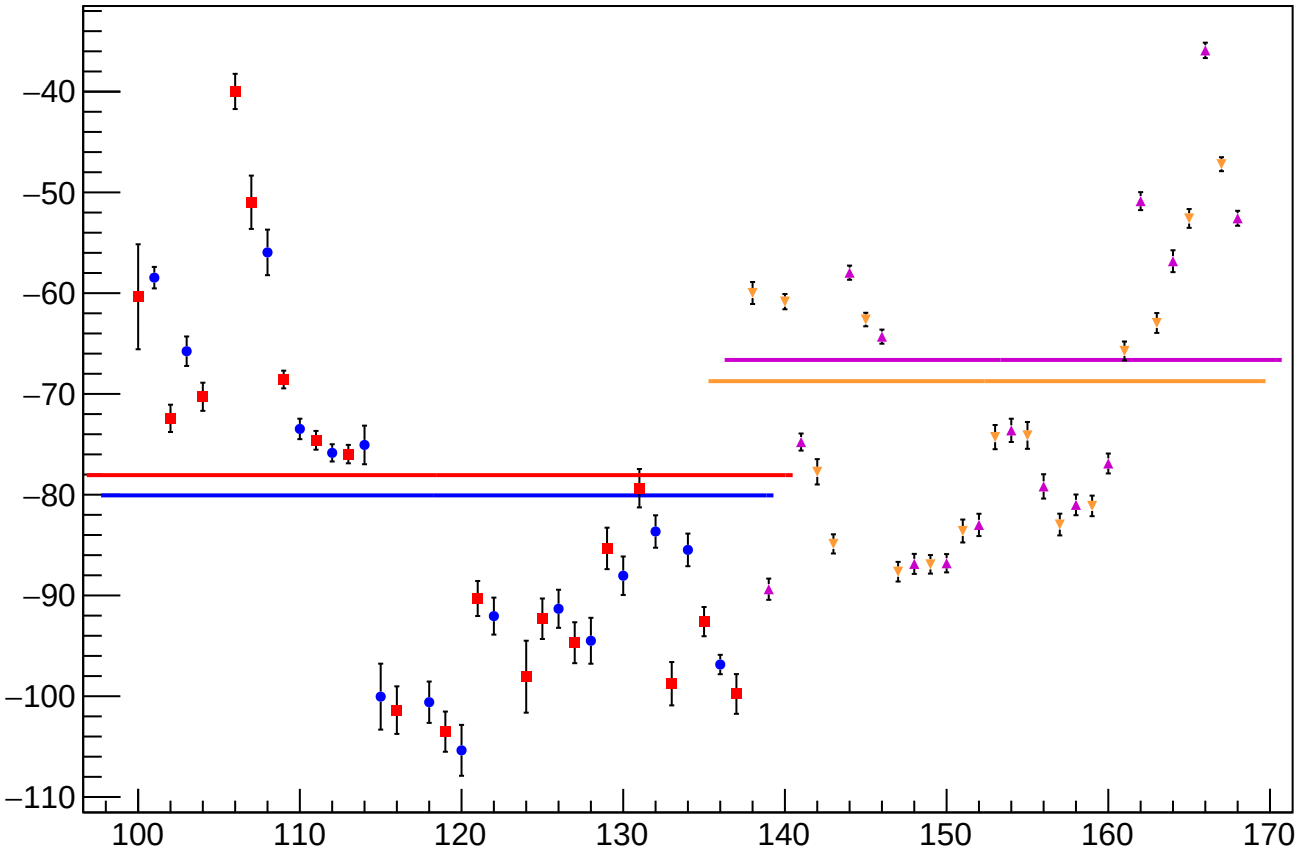
Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -1.583+/-0.168 χ^2/NDF:1324.5/14

+ sign -1.599+/-0.152 χ^2/NDF: 2430.9/31

All: -1.664+/-0.107 χ^2/NDF: 4210.8/65

- sign -1.729+/-0.152 χ^2/NDF: 1779.6/33



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -68.733+/-0.236 χ^2/NDF:3198.4/15

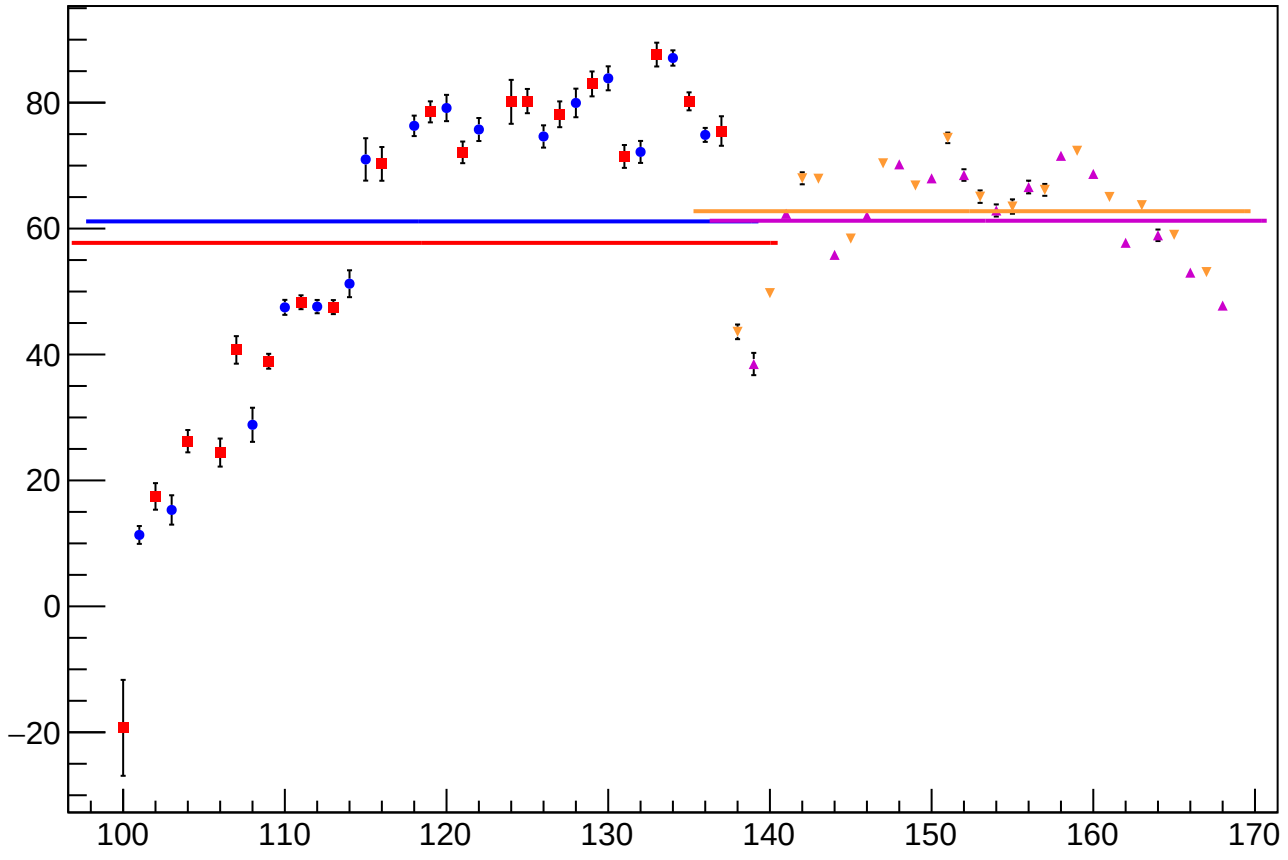
Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -66.626+/-0.233 χ^2/NDF:4663.5/14

+ sign -72.075+/-0.198 χ^2/NDF: 5268.0/31

All: -71.064+/-0.139 χ^2/NDF: 12273.4/65

- sign -70.087+/-0.194 χ^2/NDF: 6954.0/33



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 62.757+/-0.195 χ^2/NDF:1539.1/15

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

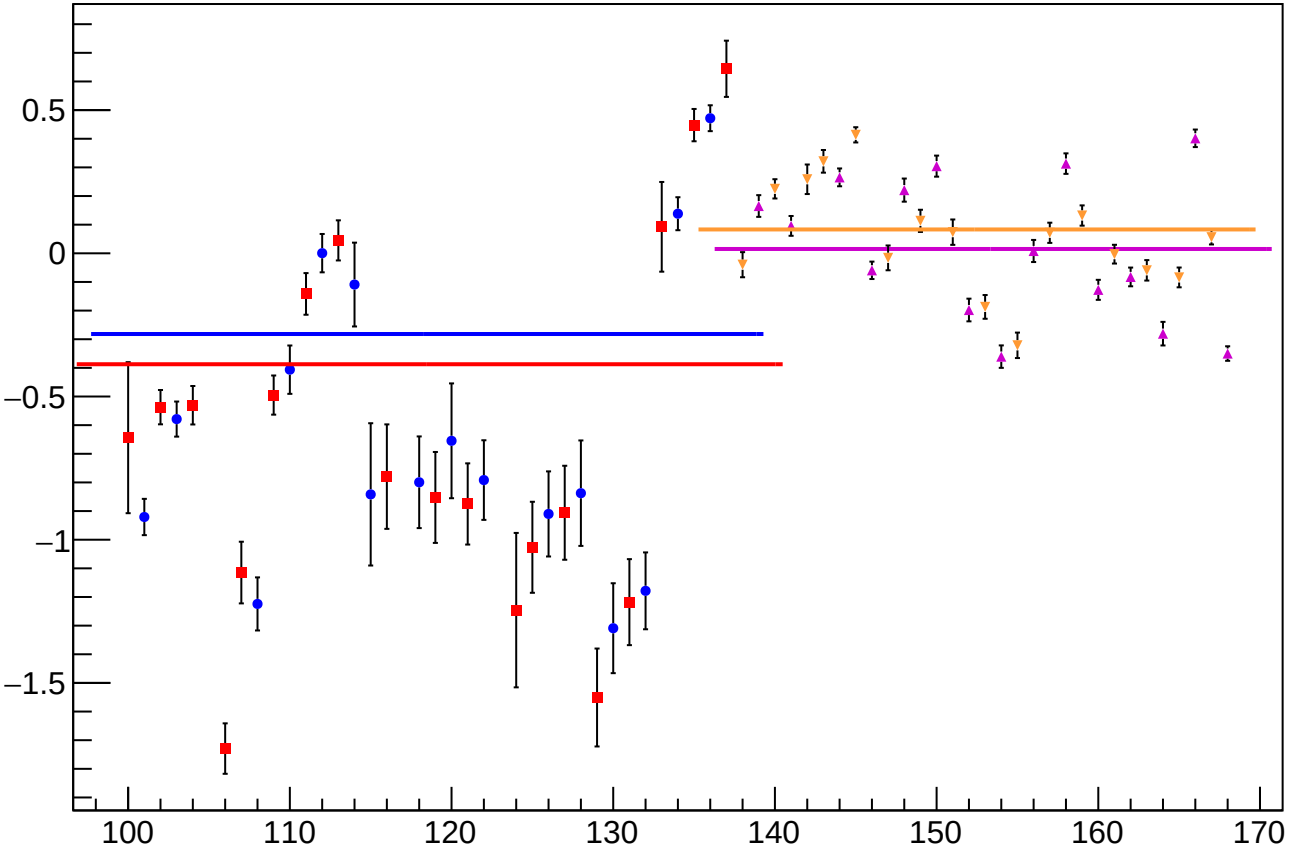
Left In: 61.243+/-0.195 χ^2/NDF:1431.1/14

\+ sign 62.446+/-0.176 χ^2/NDF: 4781.5/31

All: 61.505+/-0.124 χ^2/NDF: 9107.9/65

\- sign 60.568+/-0.175 χ^2/NDF: 4269.1/33

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.083+/-0.009 χ^2/NDF:408.3/15

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

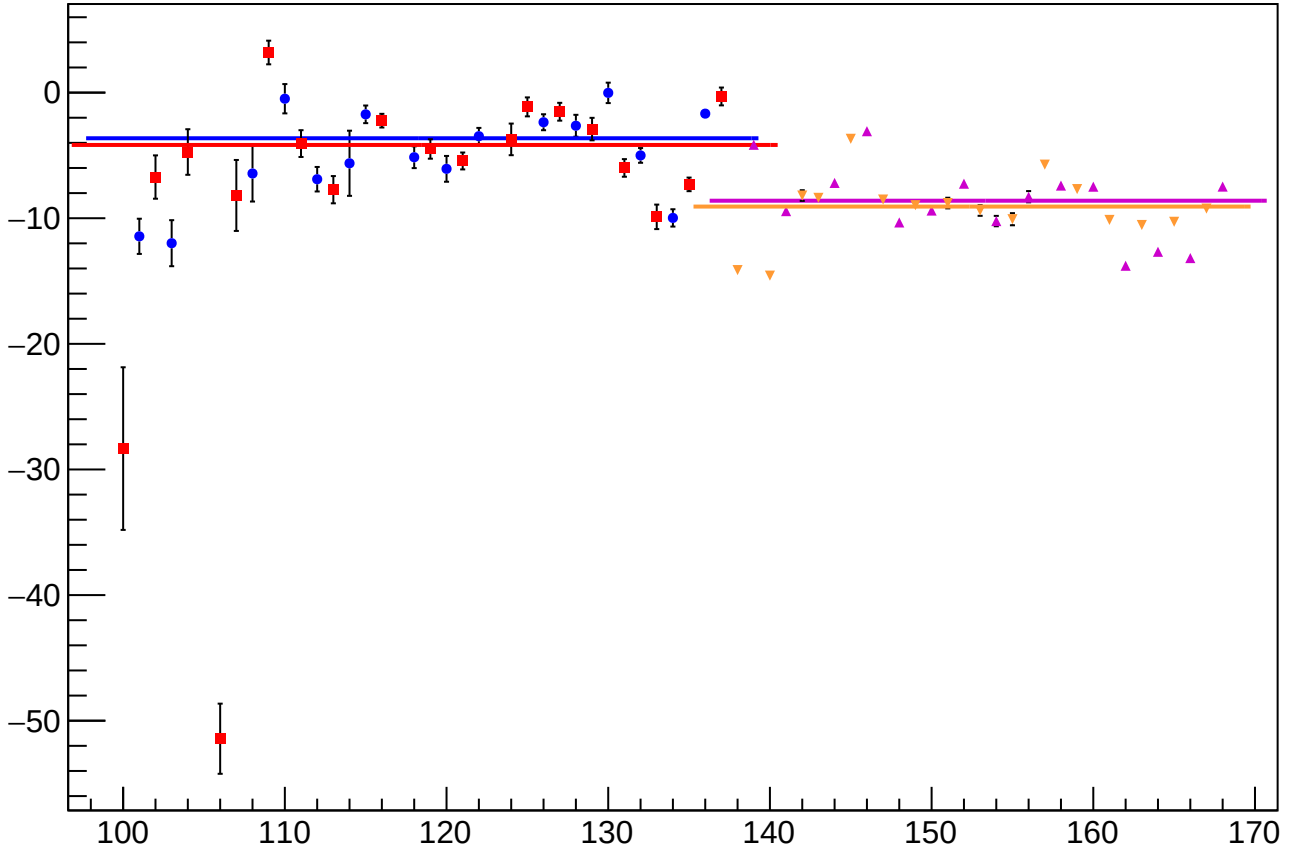
Left In: 0.015+/-0.009 χ^2/NDF:813.1/14

\+ sign 0.029+/-0.008 χ^2/NDF: 1379.3/31

All: -0.006+/-0.006 χ^2/NDF: 3338.0/65

\- sign -0.042+/-0.008 χ^2/NDF: 1921.7/33

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -9.072+/-0.079 χ^2/NDF:1413.6/15

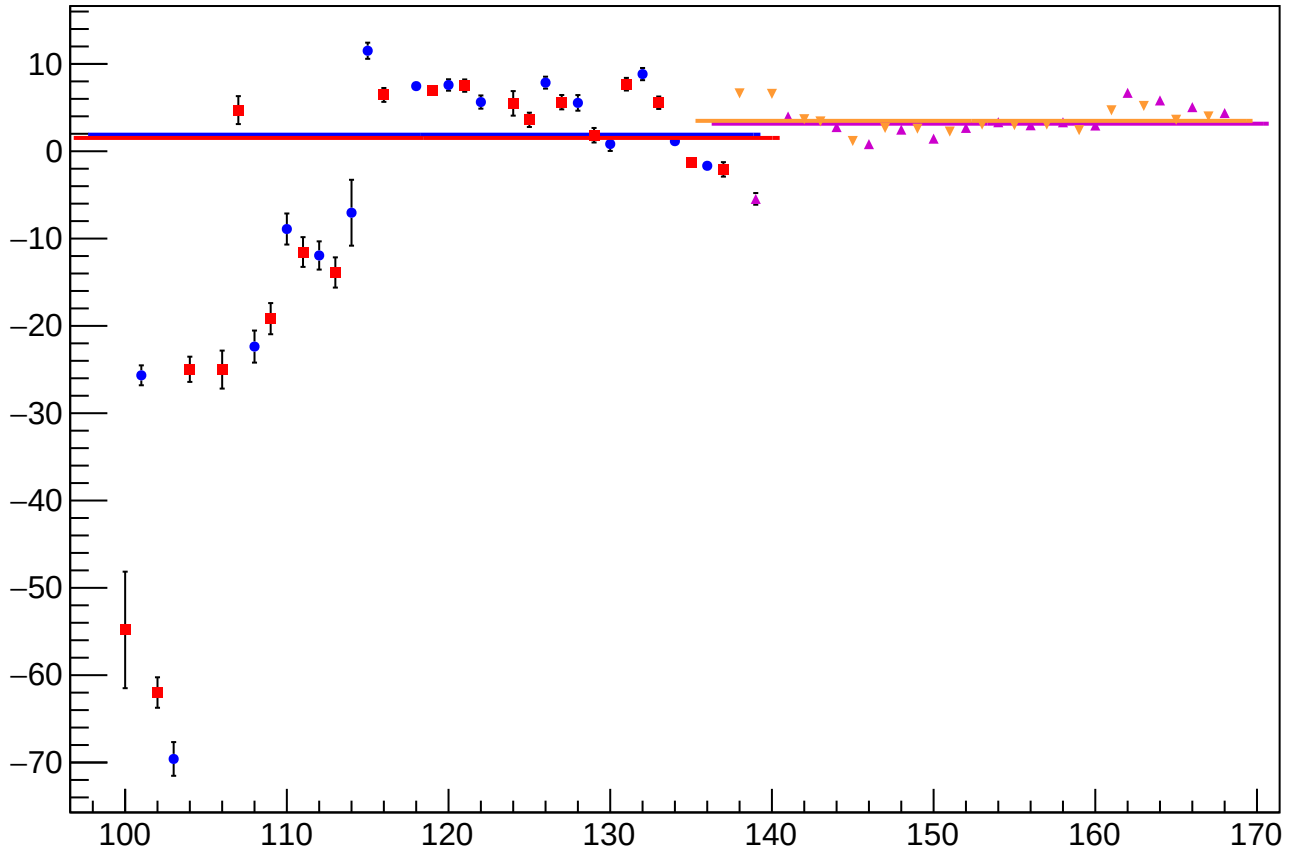
Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -8.605+/-0.078 χ^2/NDF:1711.3/14

+ sign -8.256+/-0.073 χ^2/NDF: 2351.9/31

All: -8.136+/-0.052 χ^2/NDF: 5027.8/65

- sign -8.017+/-0.073 χ^2/NDF: 2670.6/33



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.482+/-0.056 χ^2/NDF:647.1/15

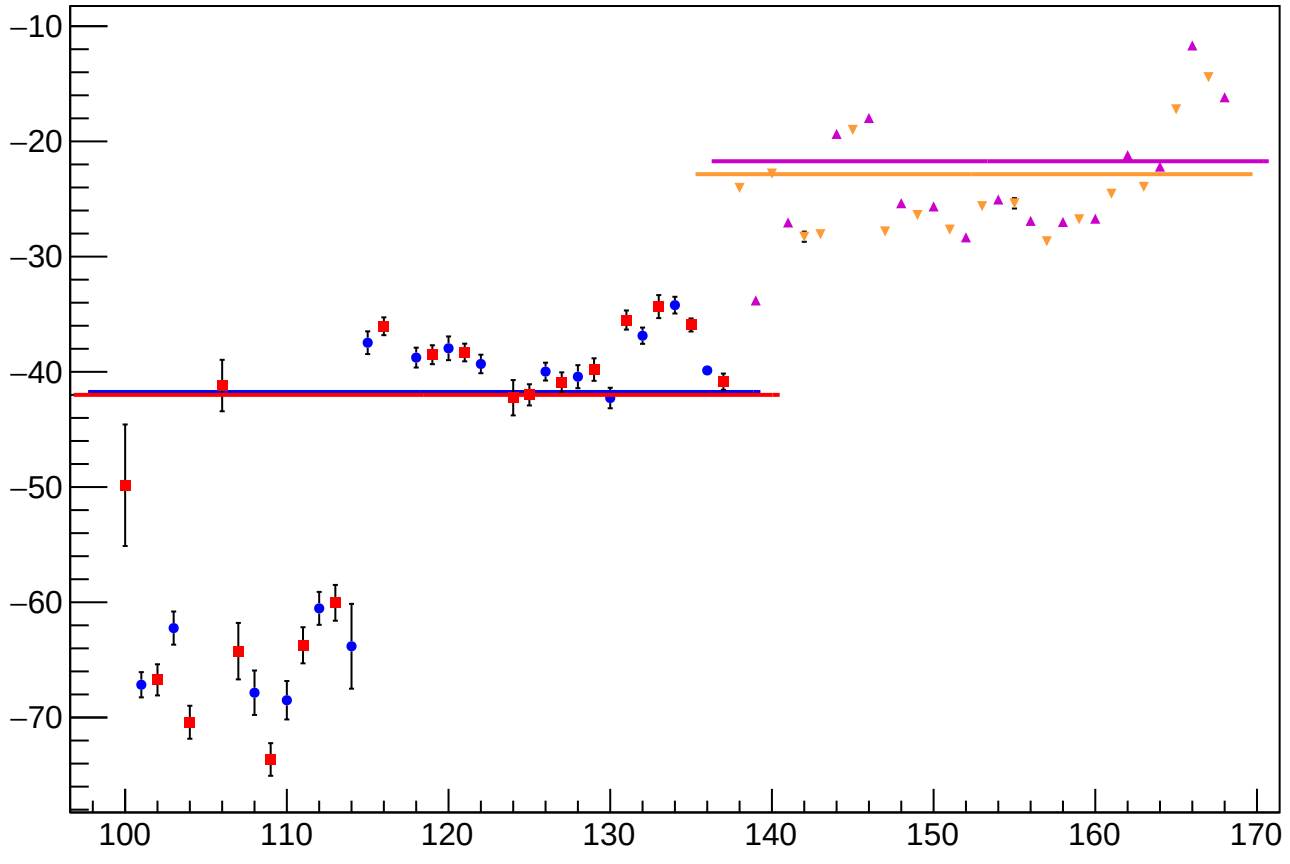
Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.156+/-0.055 χ^2/NDF:1043.7/14

+ sign 3.353+/-0.054 χ^2/NDF: 3549.8/31

All: 3.199+/-0.038 χ^2/NDF: 7226.6/65

- sign 3.050+/-0.053 χ^2/NDF: 3660.8/33



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -22.846+/-0.078 χ^2/NDF:3626.3/15

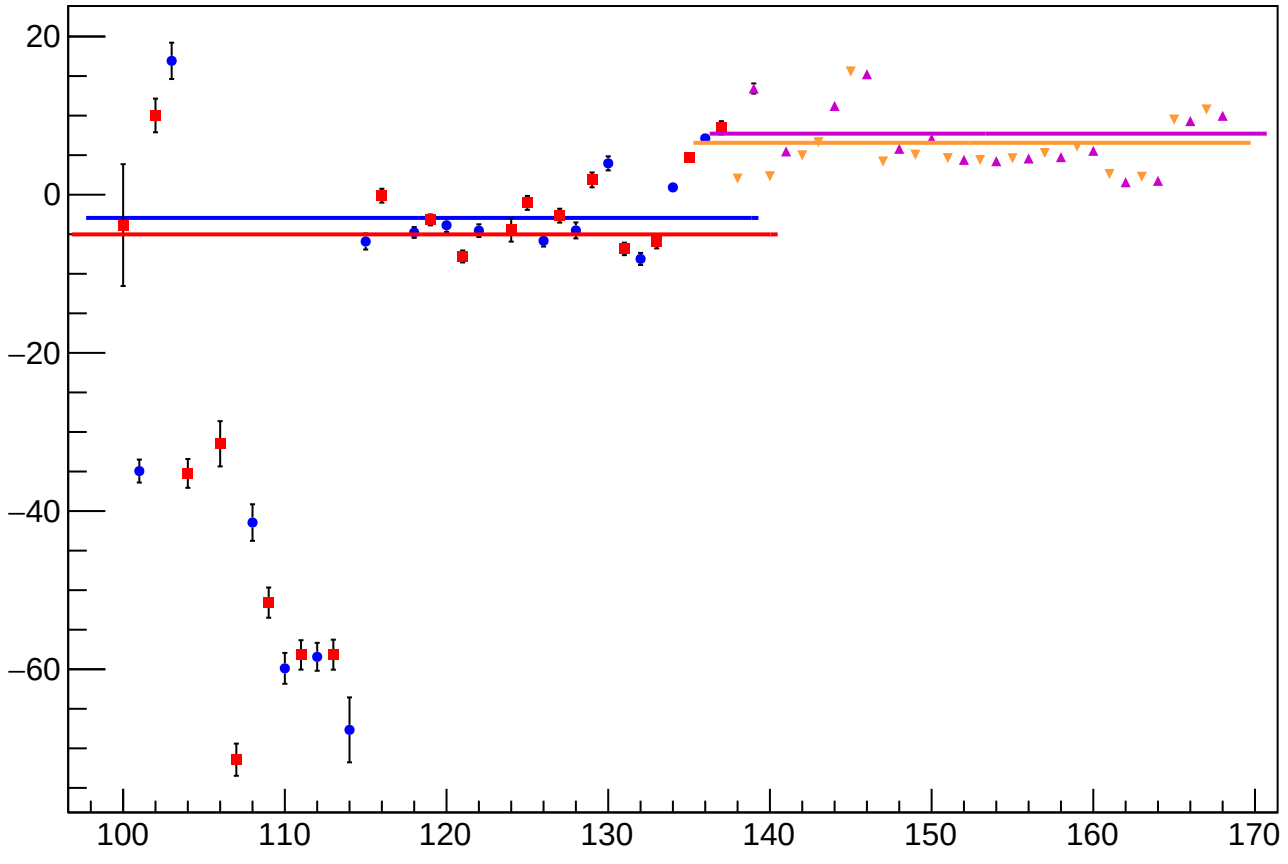
Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -21.722+/-0.076 χ^2/NDF:5338.1/14

+ sign -25.204+/-0.073 χ^2/NDF: 12516.6/31

All: -24.477+/-0.052 χ^2/NDF: 27129.9/65

- sign -23.766+/-0.072 χ^2/NDF: 14418.8/33



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 6.561+/-0.065 χ^2/NDF:3977.1/15

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

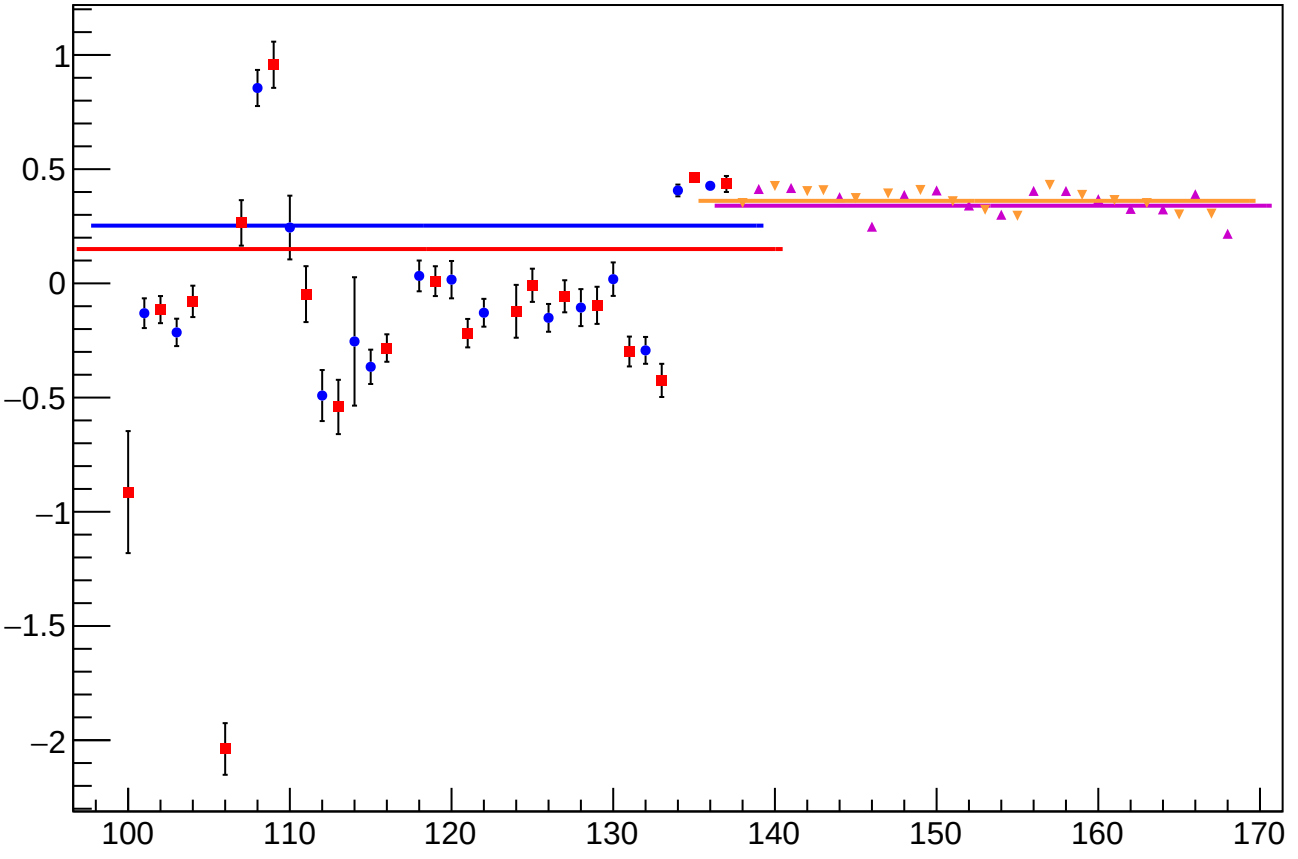
Left In: 7.720+/-0.064 χ^2/NDF:4293.5/14

+ sign 5.730+/-0.062 χ^2/NDF: 9575.0/31

All: 6.279+/-0.044 χ^2/NDF: 21207.8/65

- sign 6.820+/-0.062 χ^2/NDF: 11477.2/33

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.361+/-0.003 χ^2/NDF:214.5/15

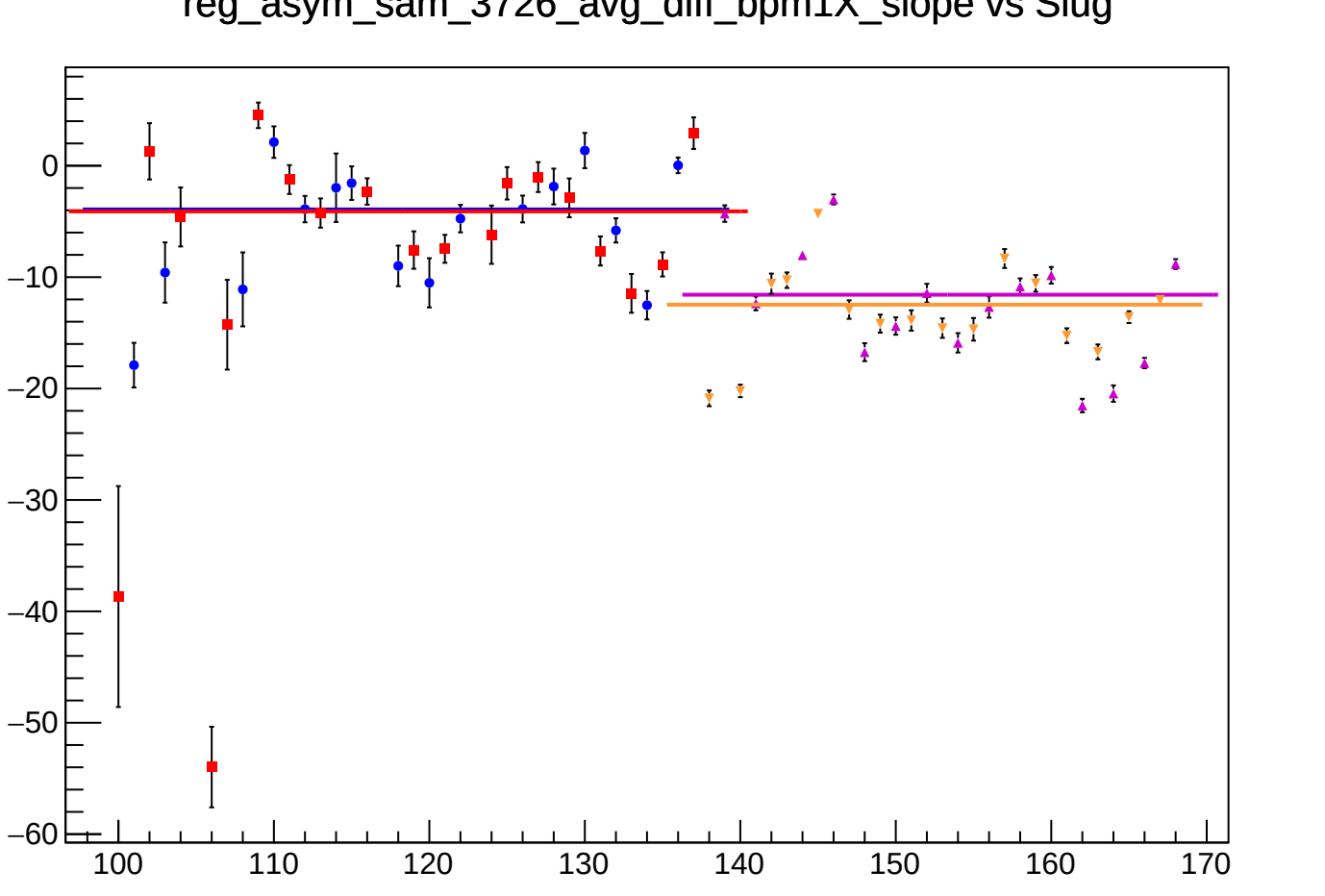
Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.340+/-0.003 χ^2/NDF:561.8/14

+ sign 0.355+/-0.003 χ^2/NDF: 929.3/31

All: 0.343+/-0.002 χ^2/NDF: 2734.3/65

- sign 0.331+/-0.003 χ^2/NDF: 1772.5/33



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.472+/-0.161 χ^2/NDF:887.6/15

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

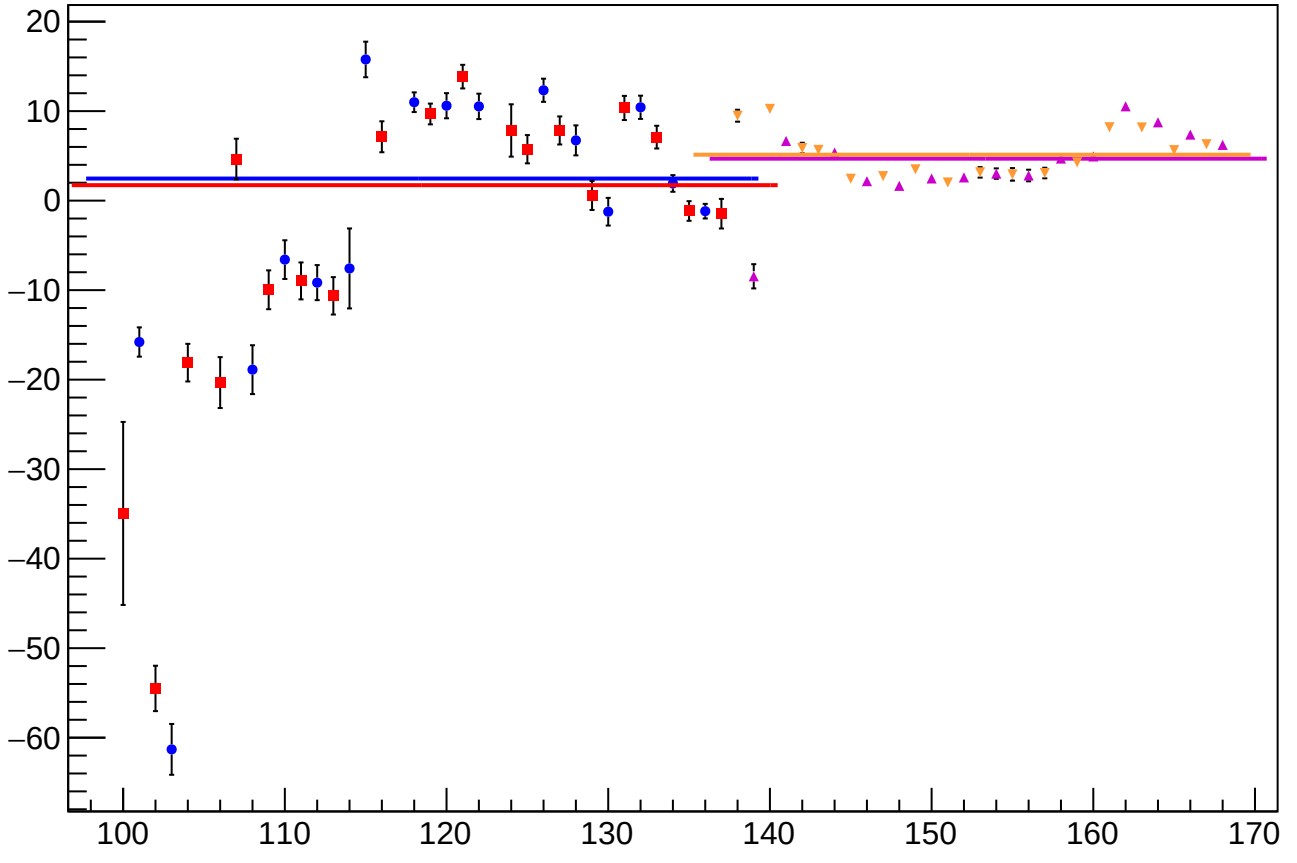
Left In: -11.579+/-0.158 χ^2/NDF:1248.3/14

+ sign -10.950+/-0.146 χ^2/NDF: 1578.1/31

All: -10.647+/-0.103 χ^2/NDF: 3569.3/65

- sign -10.348+/-0.145 χ^2/NDF: 1982.6/33

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 5.132+/-0.116 χ^2/NDF:466.9/15

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

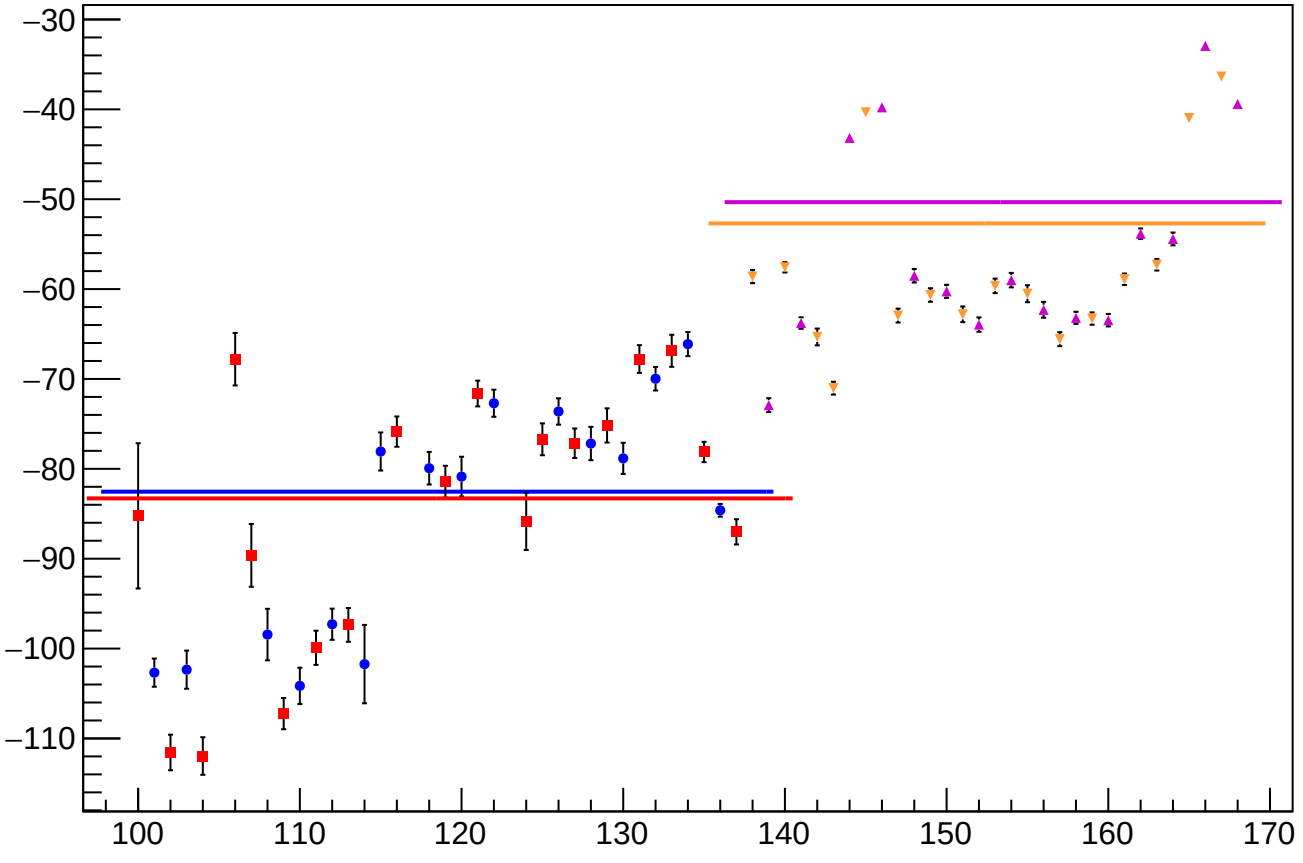
Left In: 4.689+/-0.112 χ^2/NDF:601.5/14

+ sign 4.879+/-0.110 χ^2/NDF: 1564.2/31

All: 4.664+/-0.077 χ^2/NDF: 3210.6/65

- sign 4.459+/-0.108 χ^2/NDF: 1638.9/33

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -52.691+/-0.160 χ^2/NDF:5120.7/15

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

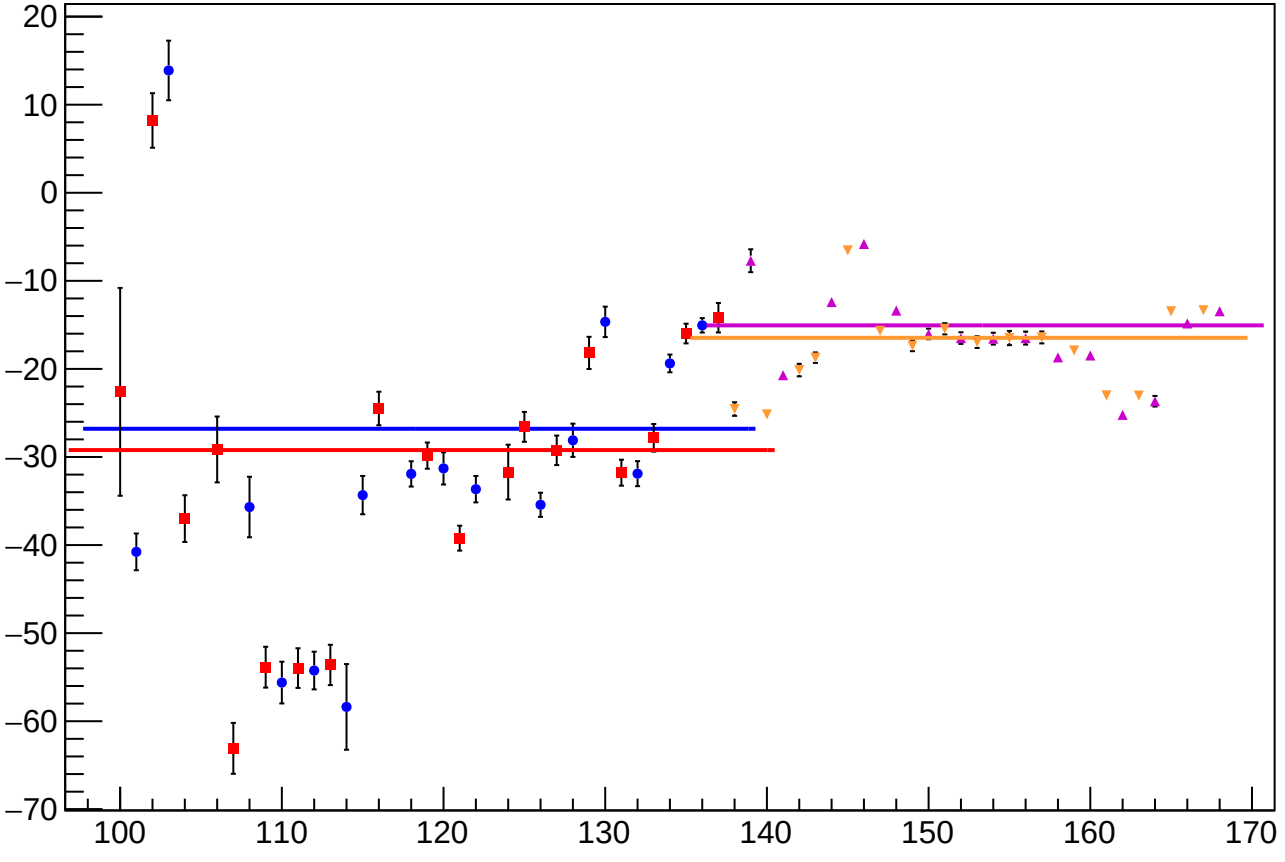
Left In: -50.327+/-0.156 χ^2/NDF:5806.1/14

+ sign -57.079+/-0.147 χ^2/NDF: 11105.9/31

All: -55.723+/-0.104 χ^2/NDF: 23721.4/65

- sign -54.399+/-0.146 χ^2/NDF: 12448.2/33

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -16.468+/-0.132 χ^2/NDF:1628.1/15

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

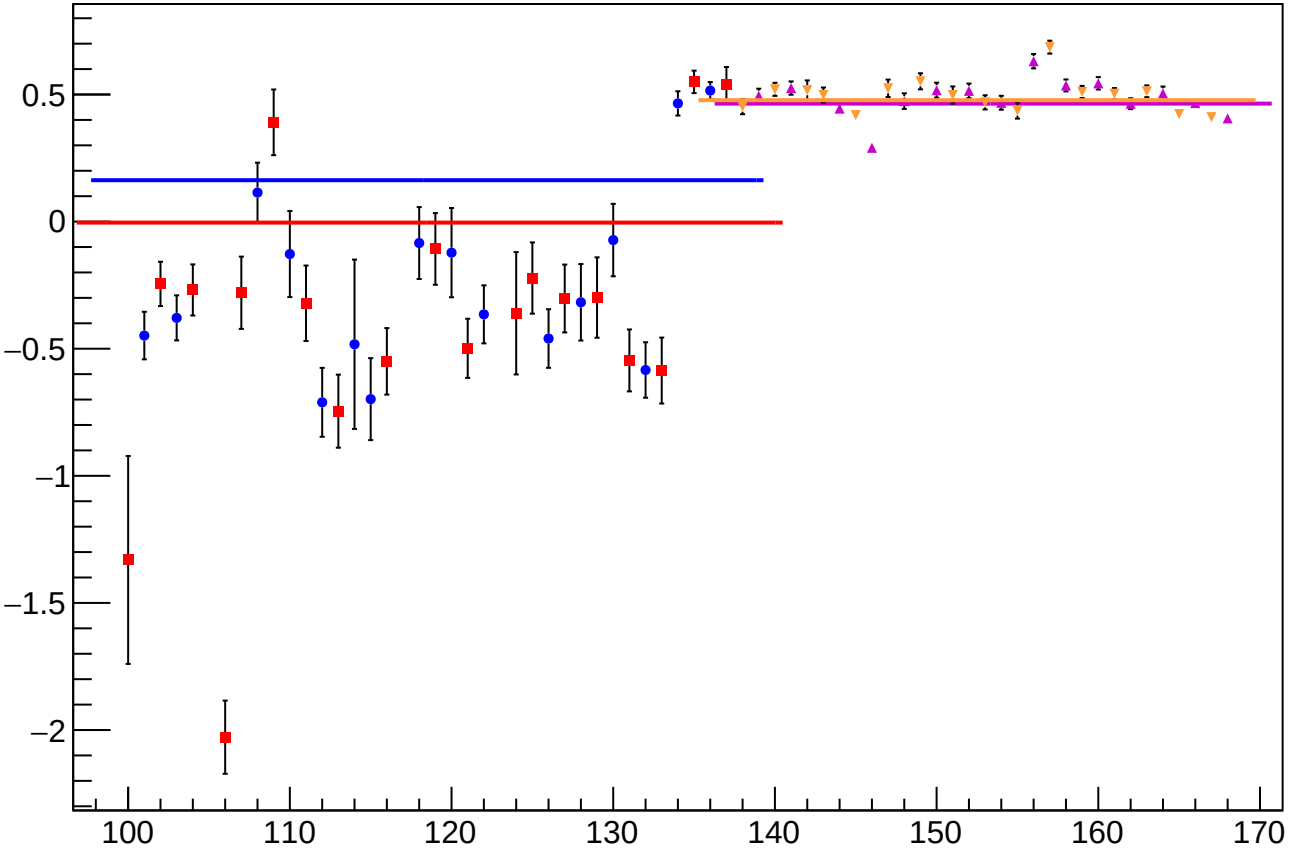
Left In: -15.056+/-0.130 χ^2/NDF:1750.9/14

+ sign -17.510+/-0.126 χ^2/NDF: 3204.4/31

All: -16.867+/-0.088 χ^2/NDF: 6956.7/65

- sign -16.237+/-0.124 χ^2/NDF: 3700.5/33

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.478+/-0.006 χ^2/NDF:127.1/15

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

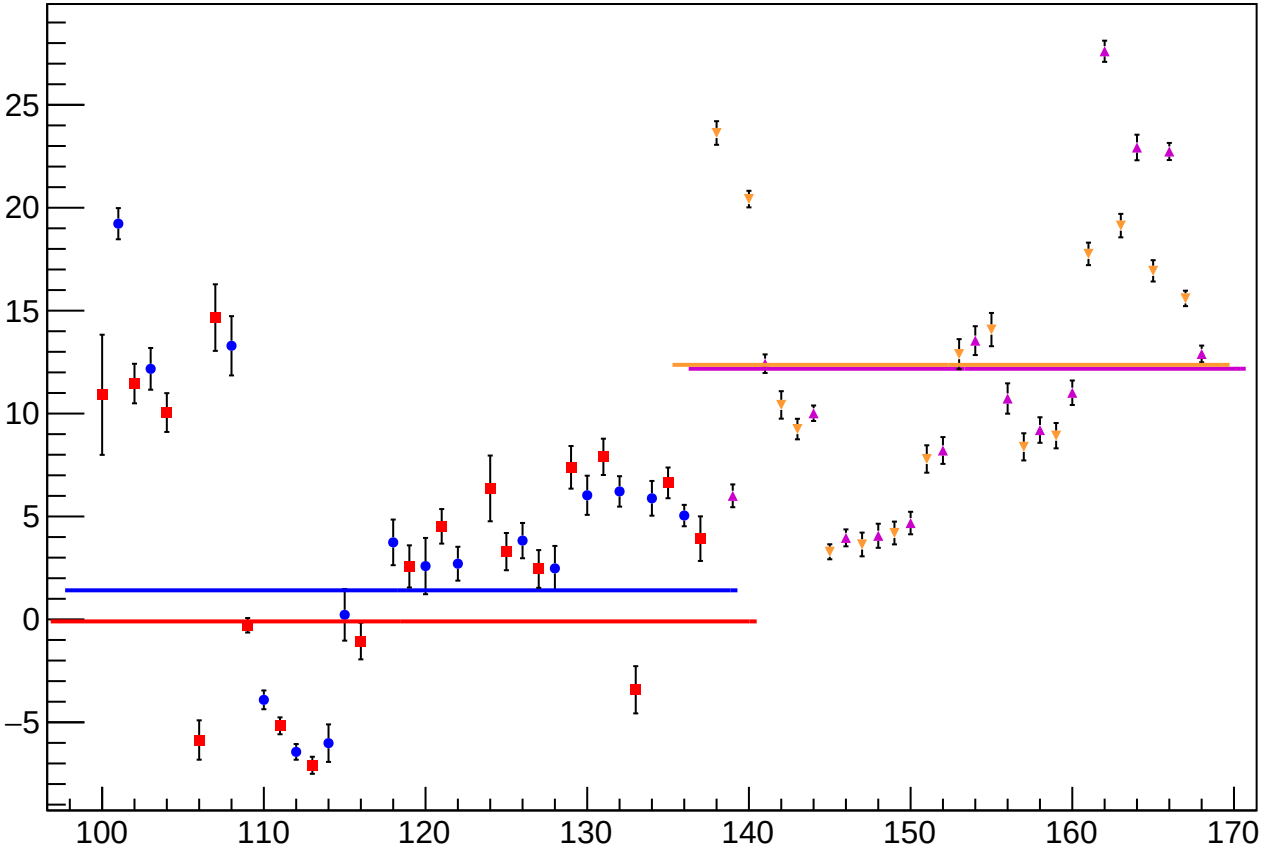
Left In: 0.464+/-0.006 χ^2/NDF:171.4/14

+ sign 0.454+/-0.006 χ^2/NDF: 750.2/31

All: 0.446+/-0.004 χ^2/NDF: 1846.2/65

- sign 0.438+/-0.006 χ^2/NDF: 1092.0/33

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: 12.368+/-0.132 χ^2/NDF:2406.5/15

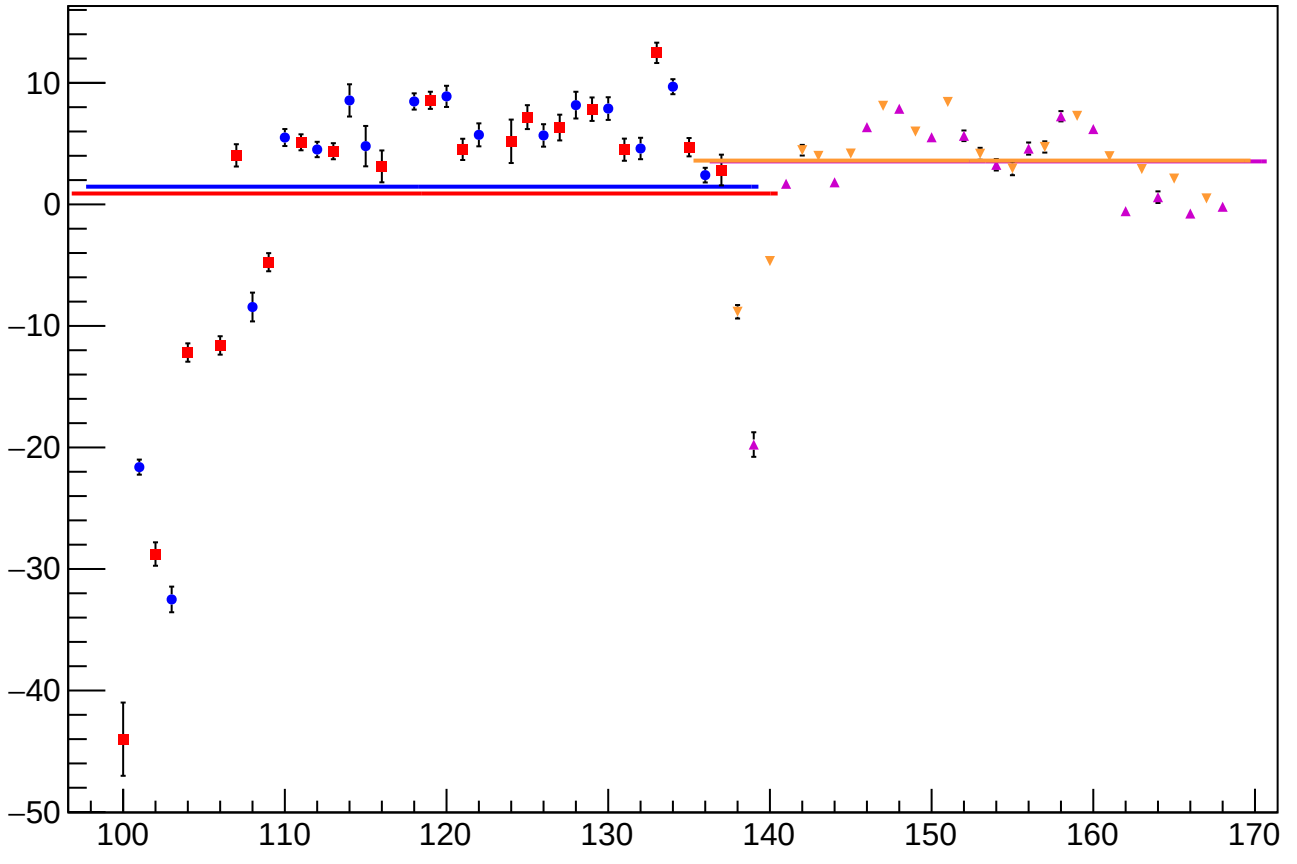
Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 12.178+/-0.132 χ^2/NDF:2853.9/14

+ sign 8.607+/-0.107 χ^2/NDF: 6279.8/31

All: 8.016+/-0.075 χ^2/NDF: 13652.3/65

- sign 7.463+/-0.104 χ^2/NDF: 7313.8/33



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.604+/-0.093 χ^2/NDF:1853.4/15

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

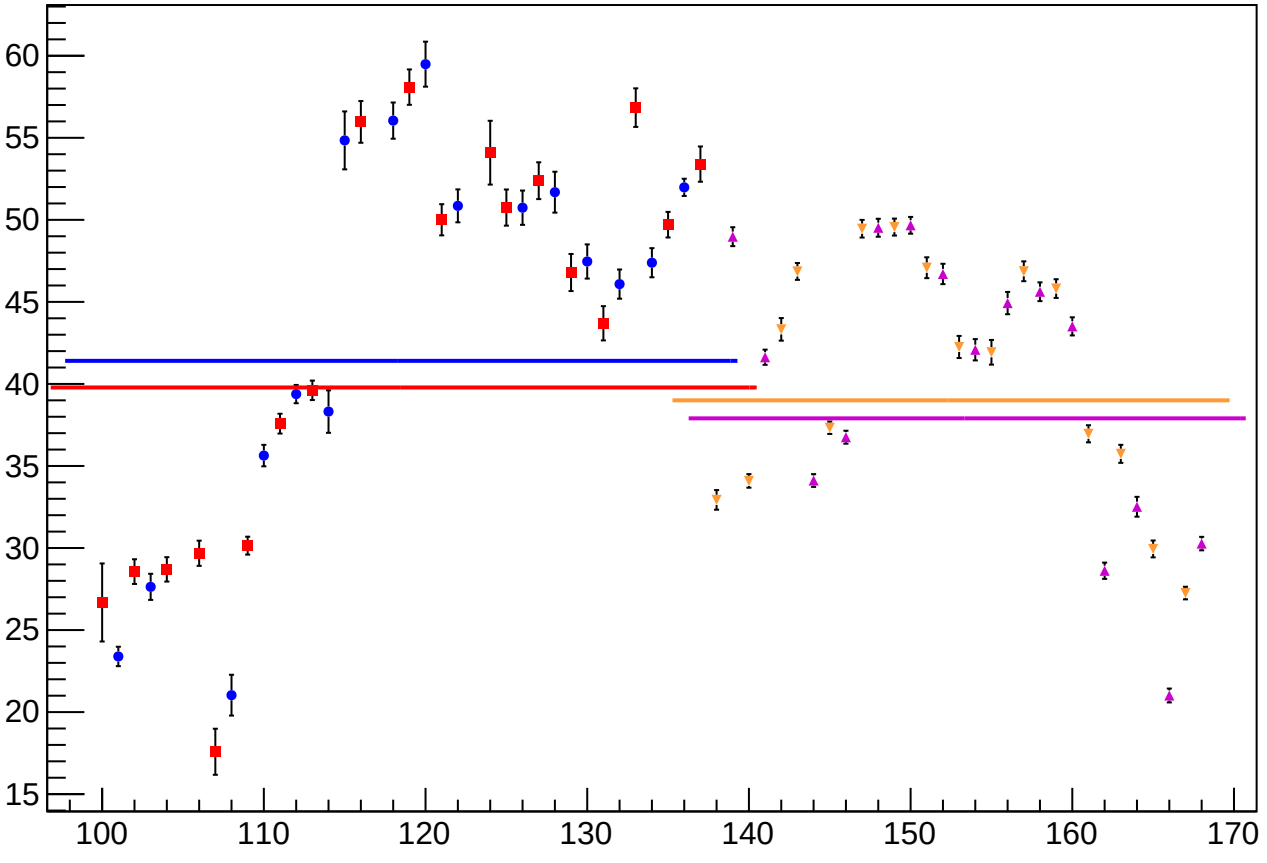
Left In: 3.538+/-0.093 χ^2/NDF:1592.2/14

+ sign 3.230+/-0.085 χ^2/NDF: 5025.5/31

All: 3.153+/-0.060 χ^2/NDF: 9137.5/65

- sign 3.076+/-0.085 χ^2/NDF: 4110.3/33

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 39.001+/-0.131 χ^2/NDF:3136.4/15

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

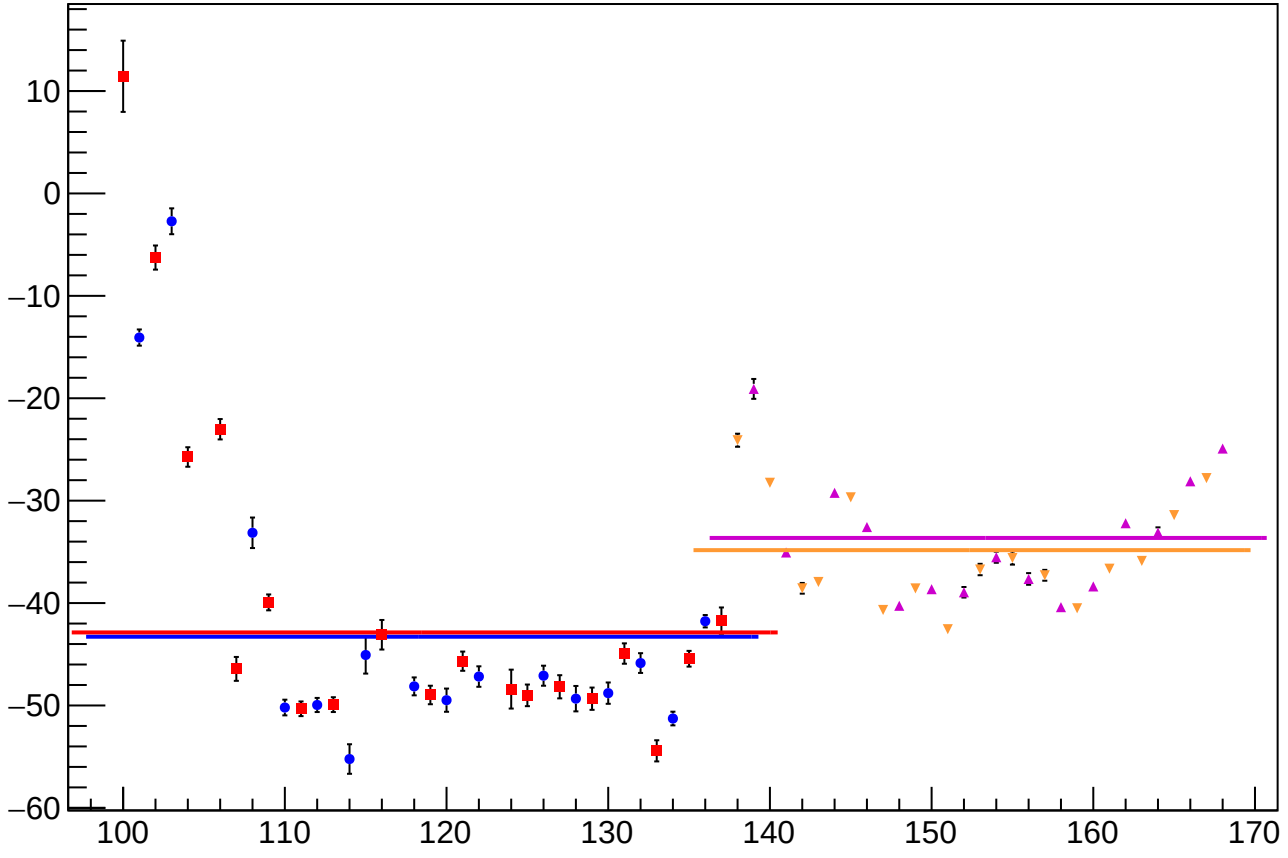
Left In: 37.902+/-0.130 χ^2/NDF:4516.9/14

+ sign 39.669+/-0.111 χ^2/NDF: 5976.7/31

All: 39.048+/-0.078 χ^2/NDF: 13270.2/65

- sign 38.447+/-0.109 χ^2/NDF: 7231.9/33

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -34.832+/-0.108 χ^2/NDF:2248.1/15

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

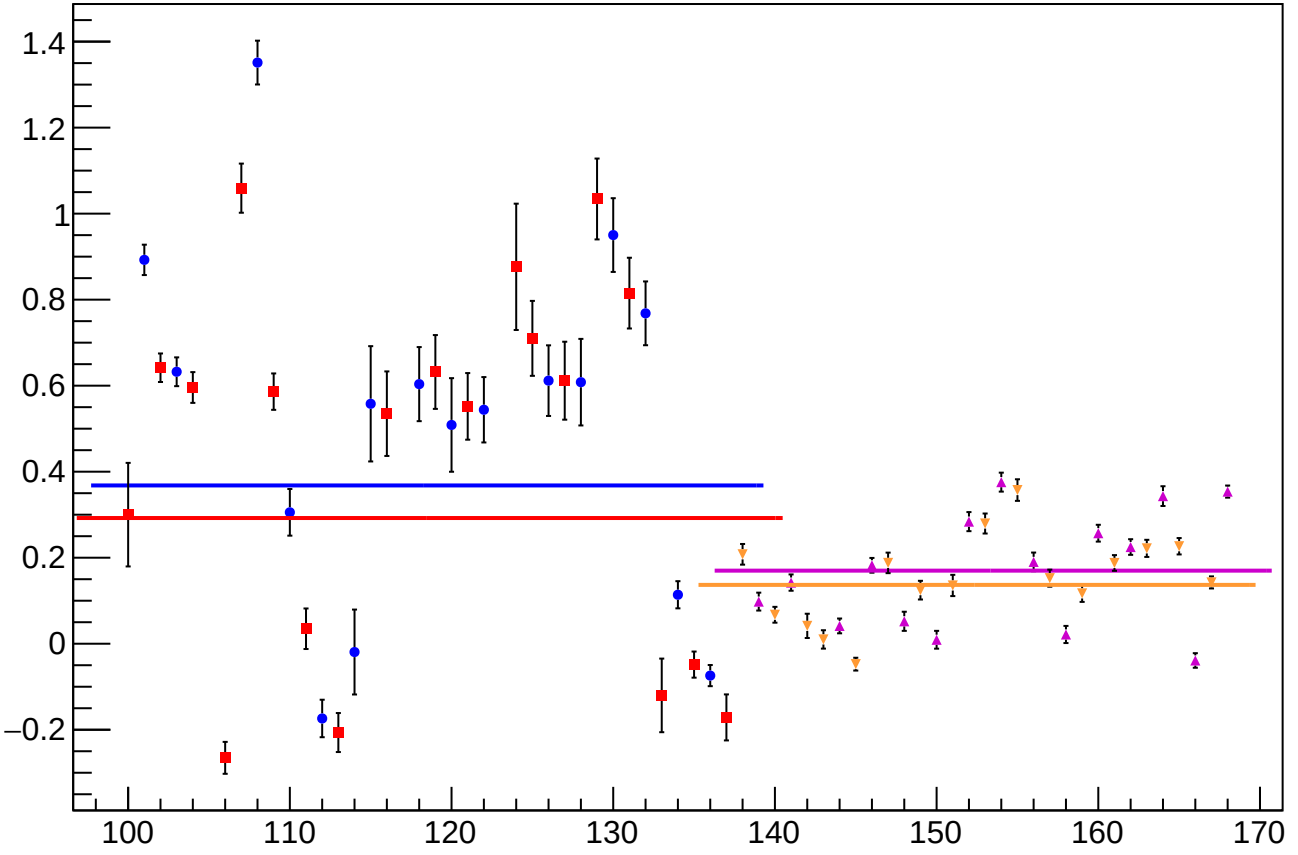
Left In: -33.640+/-0.108 χ^2/NDF:2169.6/14

+ sign -36.375+/-0.098 χ^2/NDF: 6344.0/31

All: -35.852+/-0.069 χ^2/NDF: 12351.0/65

- sign -35.328+/-0.098 χ^2/NDF: 5950.0/33

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: 0.137+/-0.005 χ^2/NDF:392.3/15

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

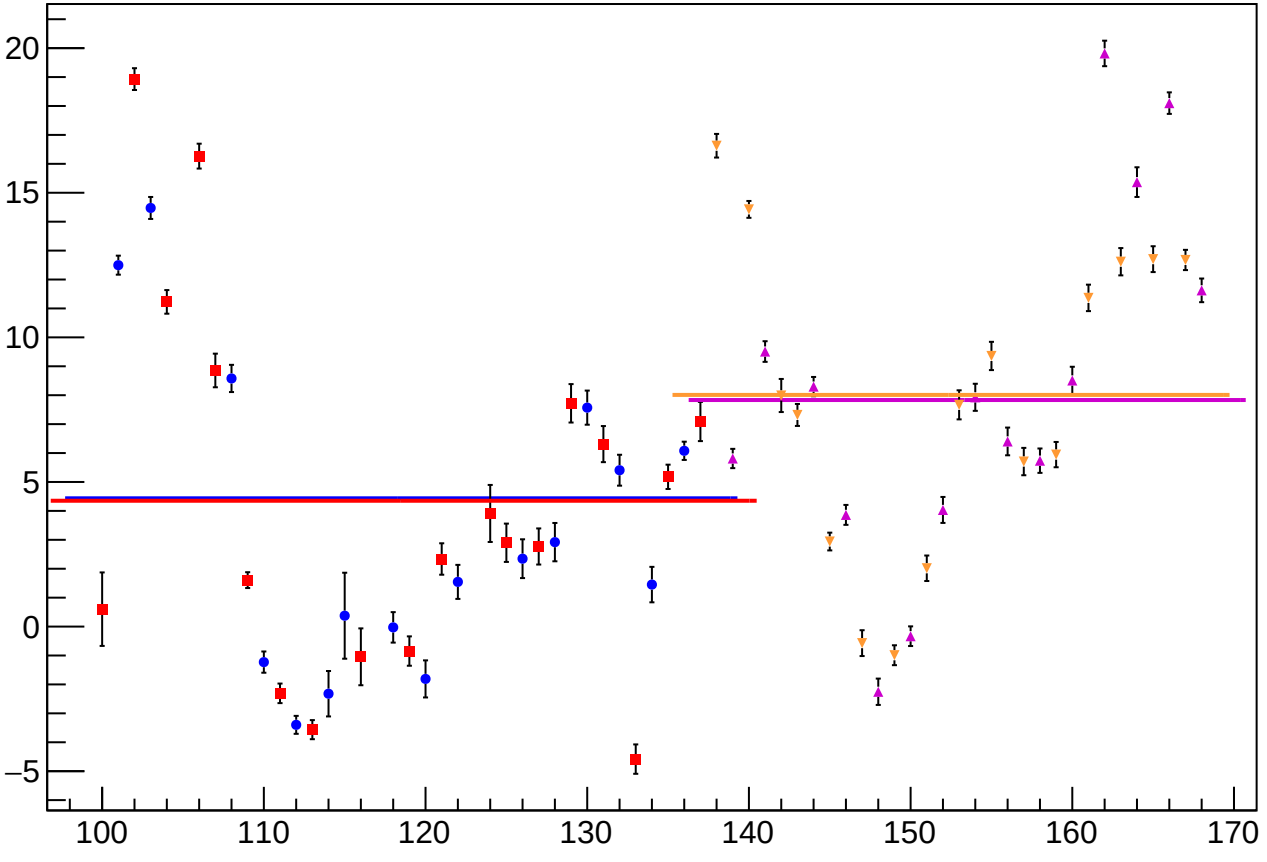
Left In: 0.170+/-0.005 χ^2/NDF:737.2/14

+ sign 0.170+/-0.005 χ^2/NDF: 2020.8/31

All: 0.179+/-0.003 χ^2/NDF: 4051.9/65

- sign 0.187+/-0.005 χ^2/NDF: 2024.0/33

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 8.010+/-0.101 χ^2/NDF:2933.9/15

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

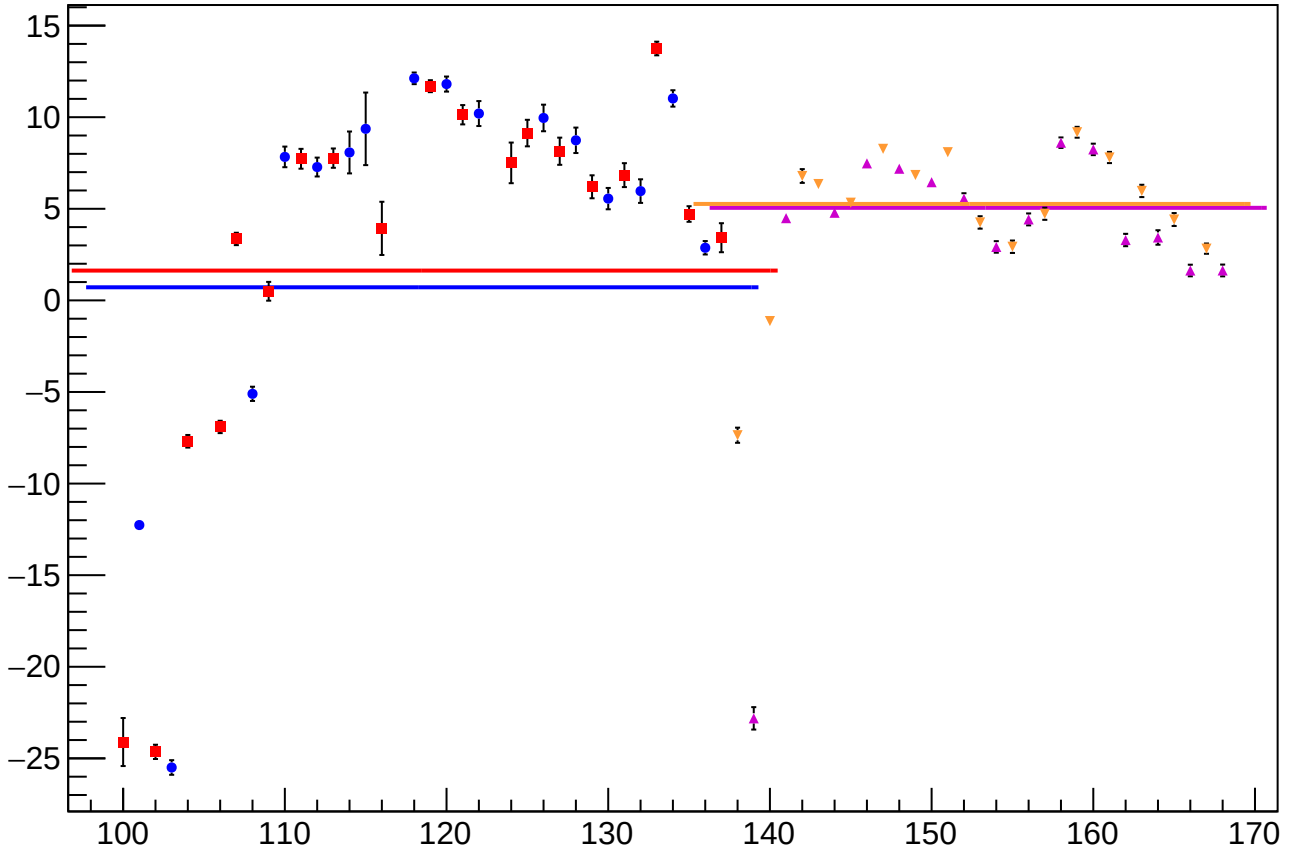
Left In: 7.833+/-0.103 χ^2/NDF:3168.9/14

+ sign 6.476+/-0.077 χ^2/NDF: 6089.3/31

All: 6.329+/-0.054 χ^2/NDF: 14008.2/65

- sign 6.188+/-0.075 χ^2/NDF: 7911.8/33

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 5.265+/-0.071 χ^2/NDF:2424.0/15

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

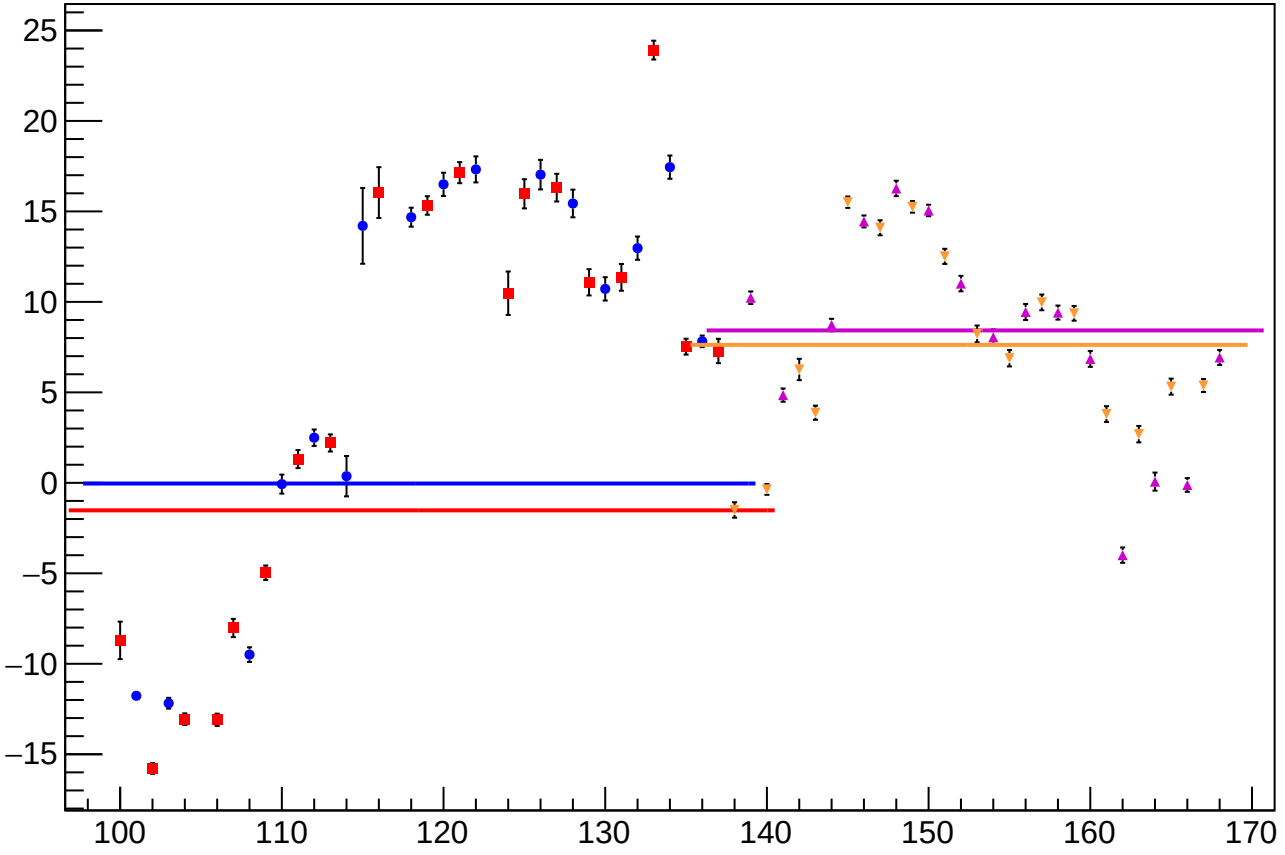
Left In: 5.052+/-0.074 χ^2/NDF:2926.9/14

+ sign 4.013+/-0.061 χ^2/NDF: 13994.6/31

All: 4.008+/-0.043 χ^2/NDF: 26837.0/65

- sign 4.002+/-0.061 χ^2/NDF: 12842.4/33

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: 7.624+/-0.099 χ^2/NDF:3143.8/15

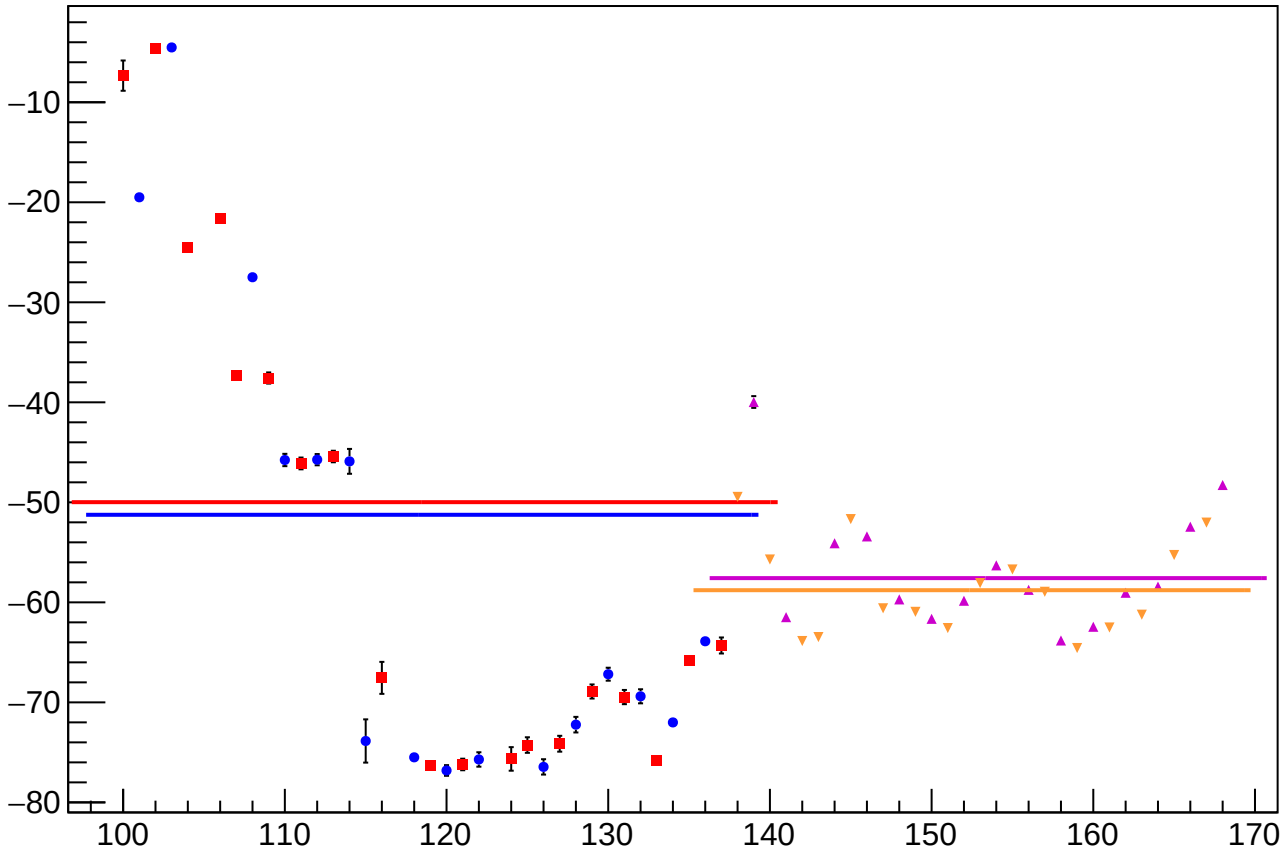
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 8.423+/-0.101 χ^2/NDF:2945.4/14

+ sign 4.484+/-0.076 χ^2/NDF: 14850.1/31

All: 4.298+/-0.054 χ^2/NDF: 34168.5/65

- sign 4.115+/-0.076 χ^2/NDF: 19306.6/33



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.785+/-0.083 χ^2/NDF:2817.6/15

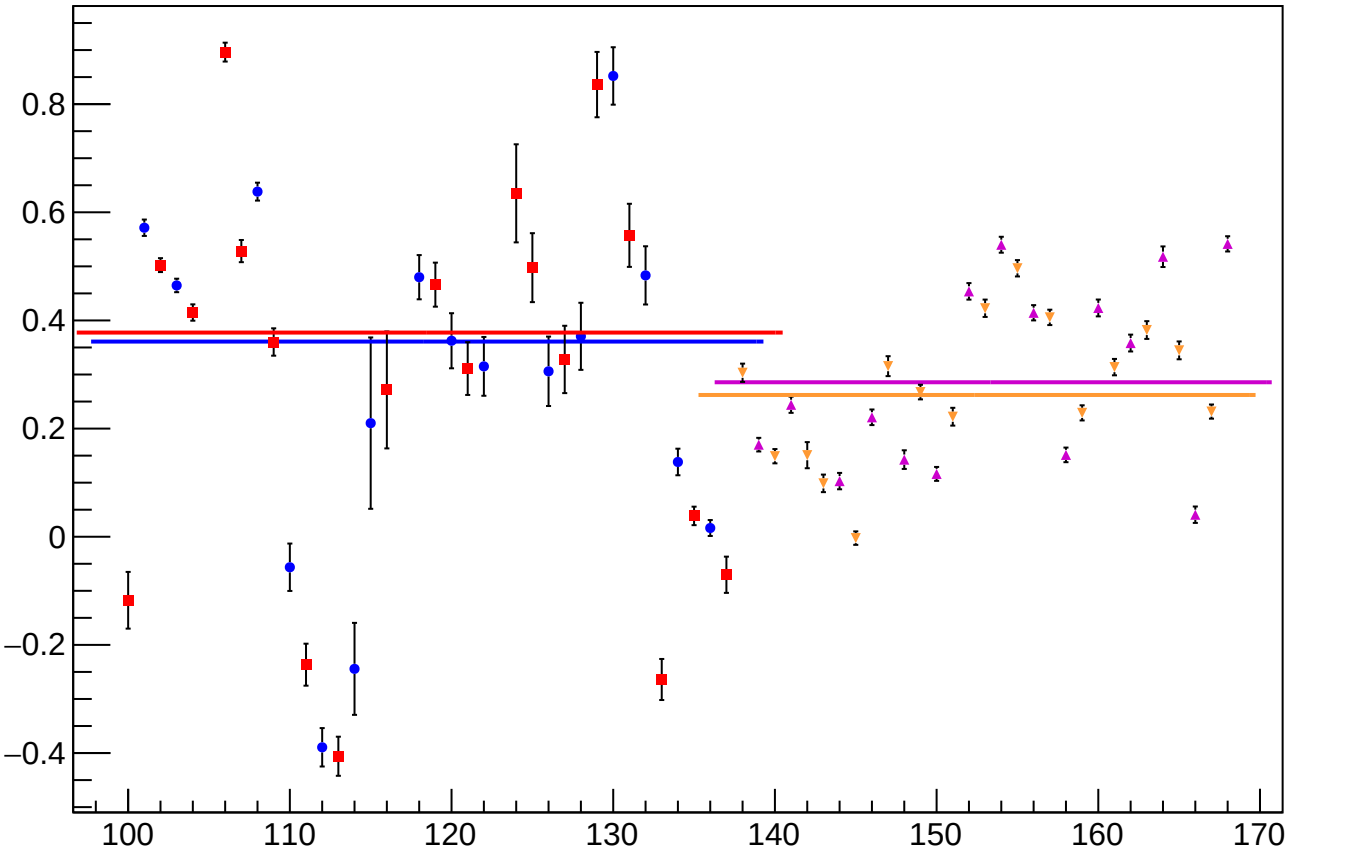
Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -57.577+/-0.085 χ^2/NDF:3308.5/14

\+ sign -56.733+/-0.071 χ^2/NDF: 38827.3/31

All: -56.026+/-0.050 χ^2/NDF: 78596.5/65

\- sign -55.306+/-0.071 χ^2/NDF: 39568.0/33



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.262+/-0.004 χ^2/NDF:1210.6/15

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

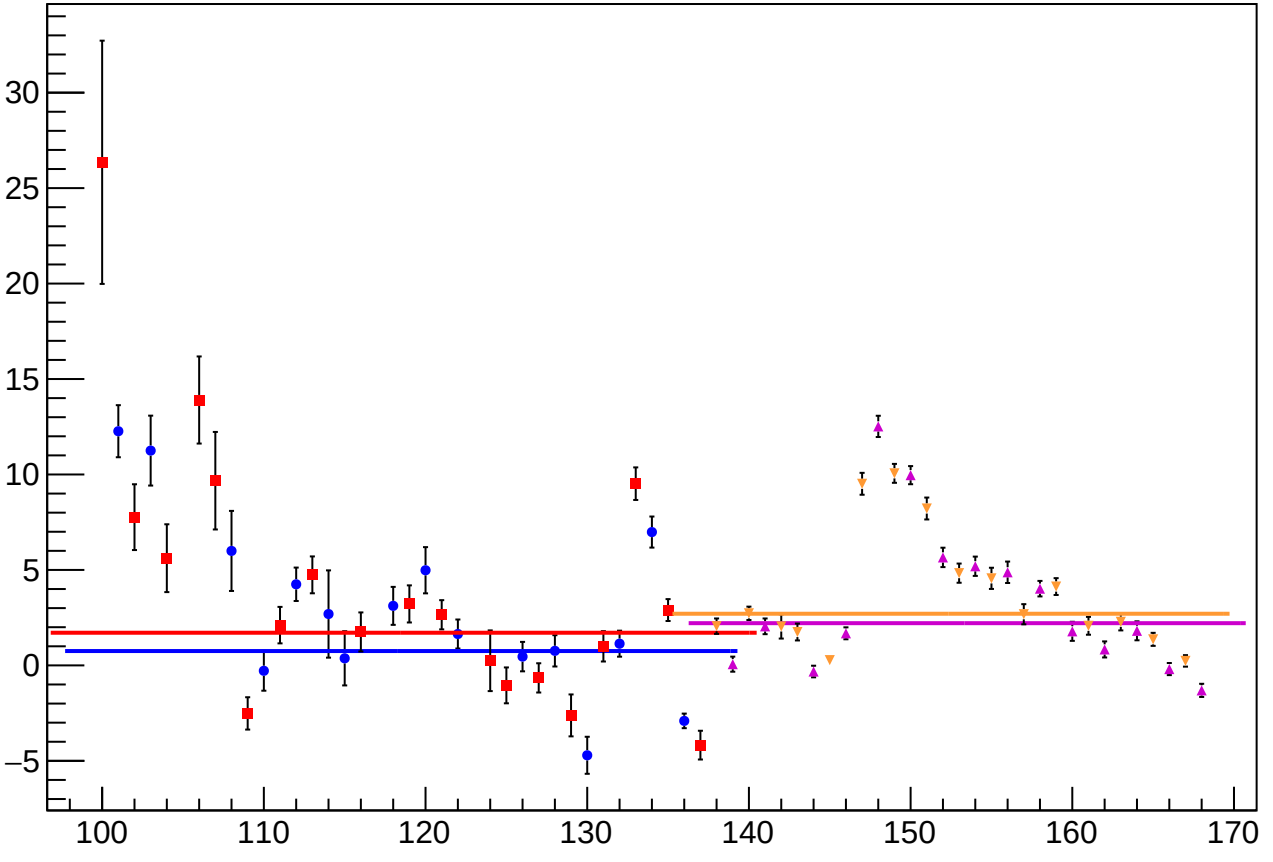
Left In: 0.286+/-0.004 χ^2/NDF:1938.7/14

+ sign 0.288+/-0.003 χ^2/NDF: 3248.0/31

All: 0.300+/-0.002 χ^2/NDF: 8165.5/65

- sign 0.311+/-0.003 χ^2/NDF: 4892.1/33

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 2.705+/-0.105 χ^2/NDF:671.9/15

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

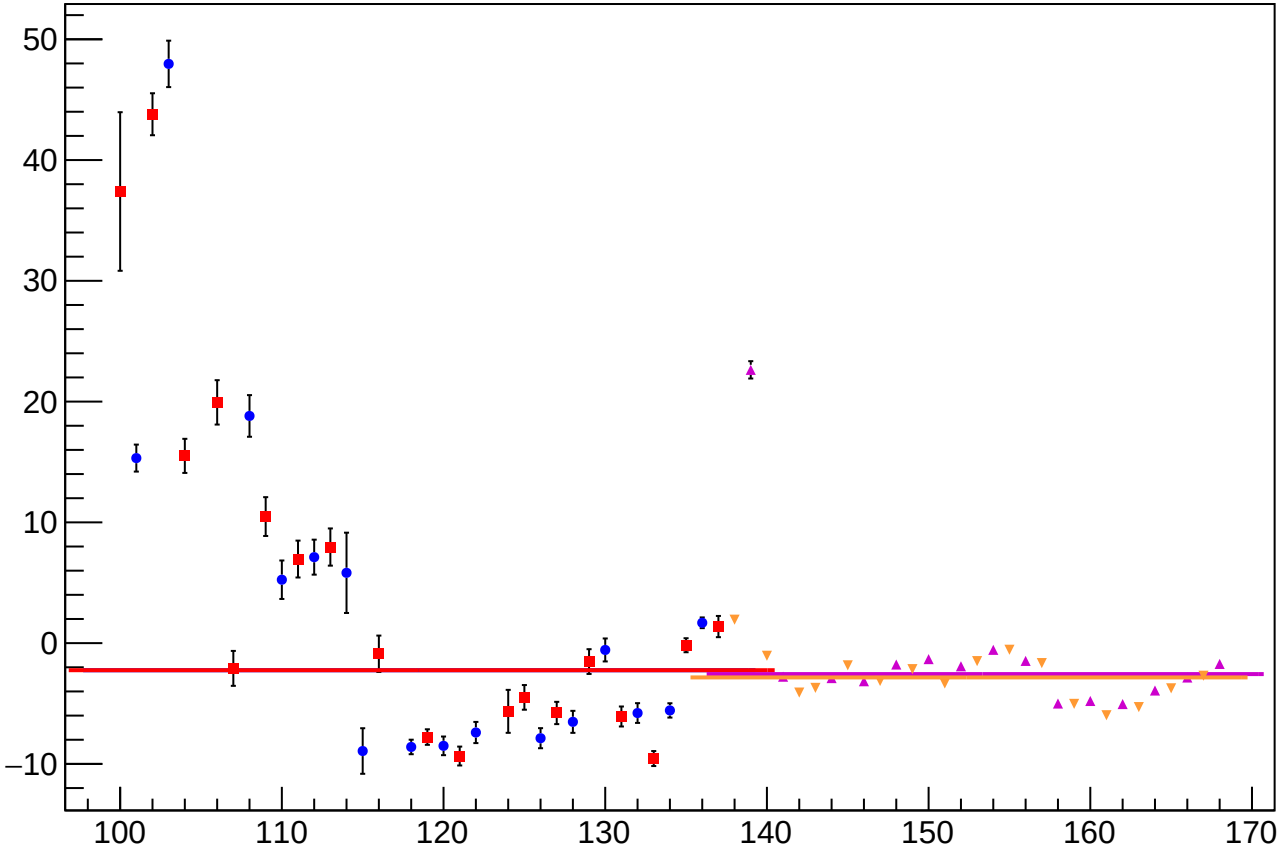
Left In: 2.211+/-0.105 χ^2/NDF:1008.7/14

+ sign 2.324+/-0.094 χ^2/NDF: 1070.1/31

All: 2.224+/-0.067 χ^2/NDF: 2379.1/65

- sign 2.120+/-0.095 χ^2/NDF: 1306.7/33

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.839+/-0.076 χ^2/NDF:517.4/15

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

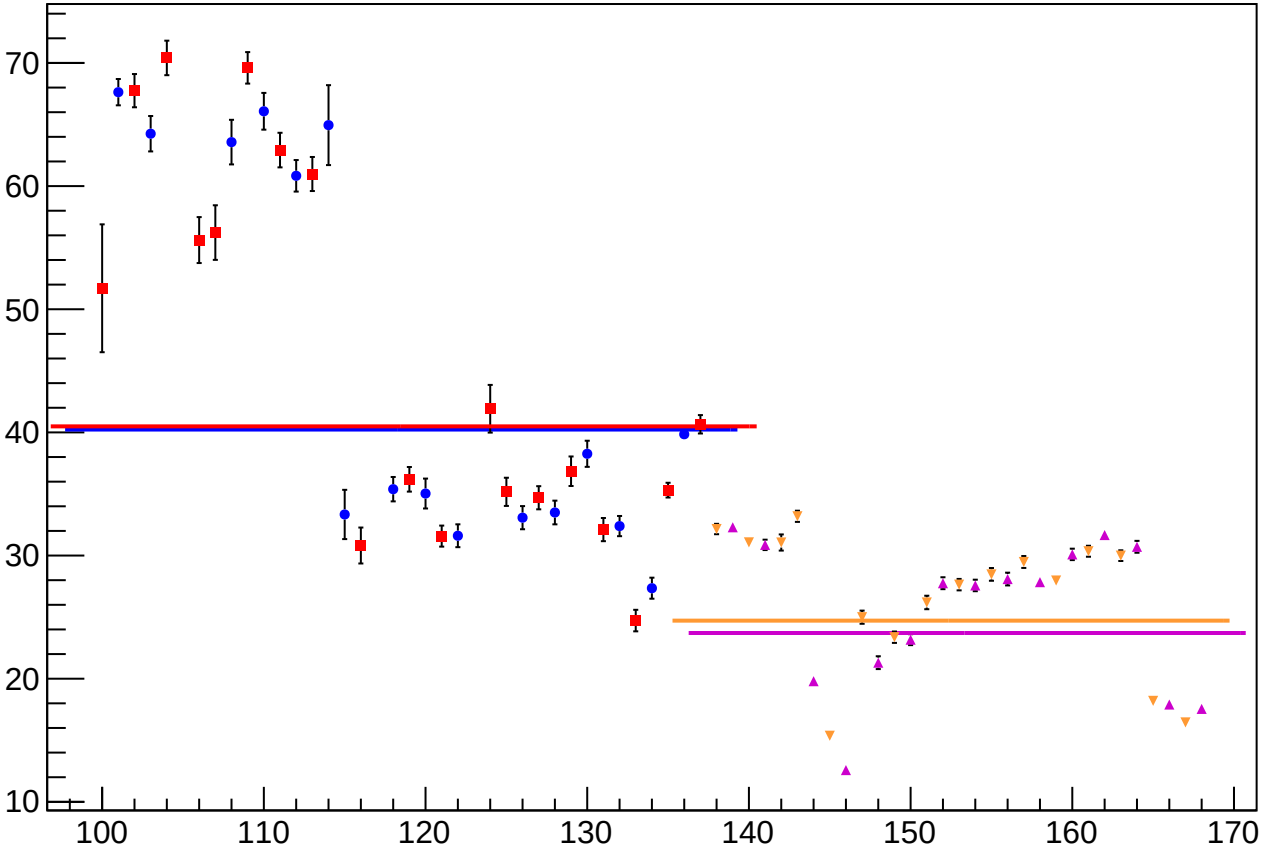
Left In: -2.563+/-0.076 χ^2/NDF:1520.6/14

+ sign -2.774+/-0.071 χ^2/NDF: 2096.7/31

All: -2.654+/-0.051 χ^2/NDF: 5180.4/65

- sign -2.531+/-0.072 χ^2/NDF: 3078.0/33

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: 24.715+/-0.103 χ^2/NDF:3908.9/15

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

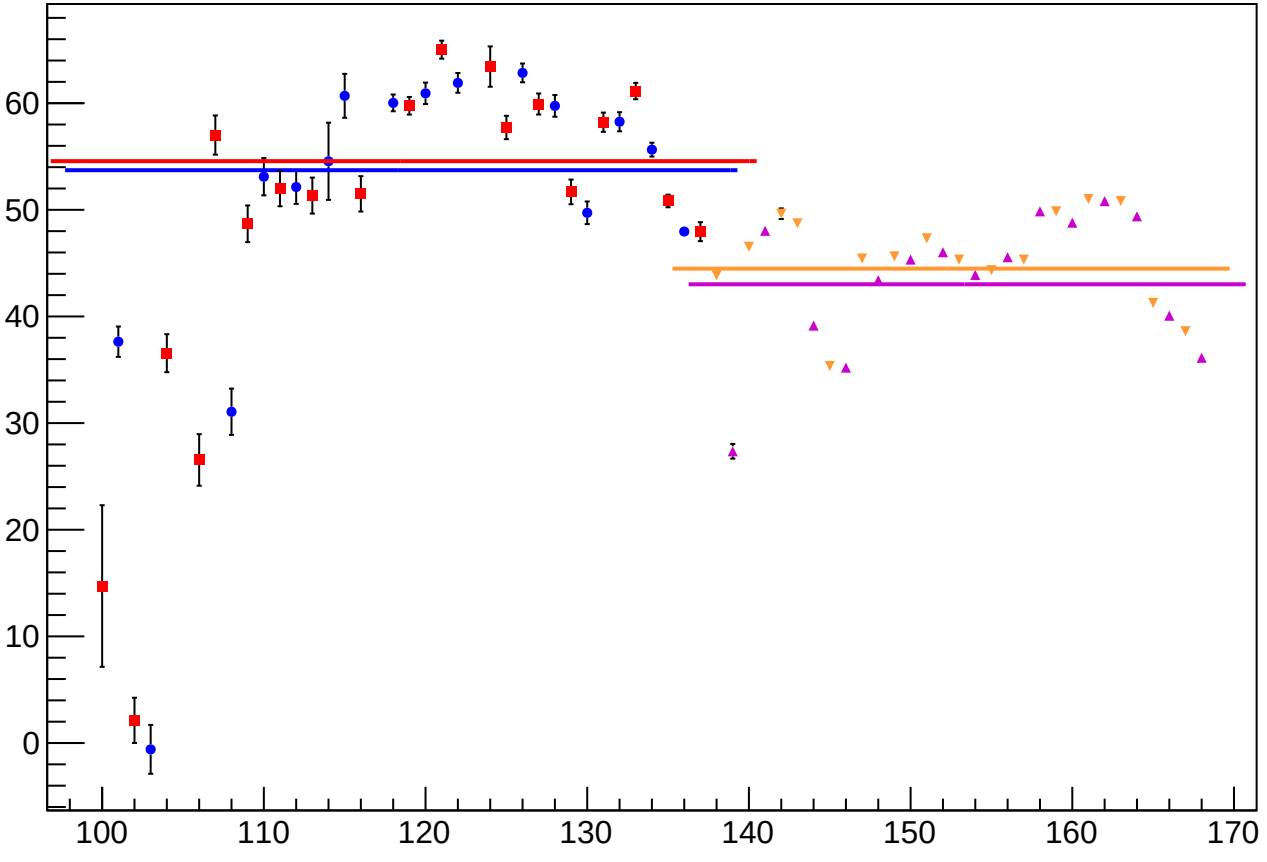
Left In: 23.711+/-0.103 χ^2/NDF:4014.0/14

+ sign 27.293+/-0.094 χ^2/NDF: 9948.5/31

All: 26.726+/-0.067 χ^2/NDF: 20571.2/65

- sign 26.146+/-0.095 χ^2/NDF: 10549.6/33

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: 44.486+/-0.086 χ^2/NDF:3382.5/15

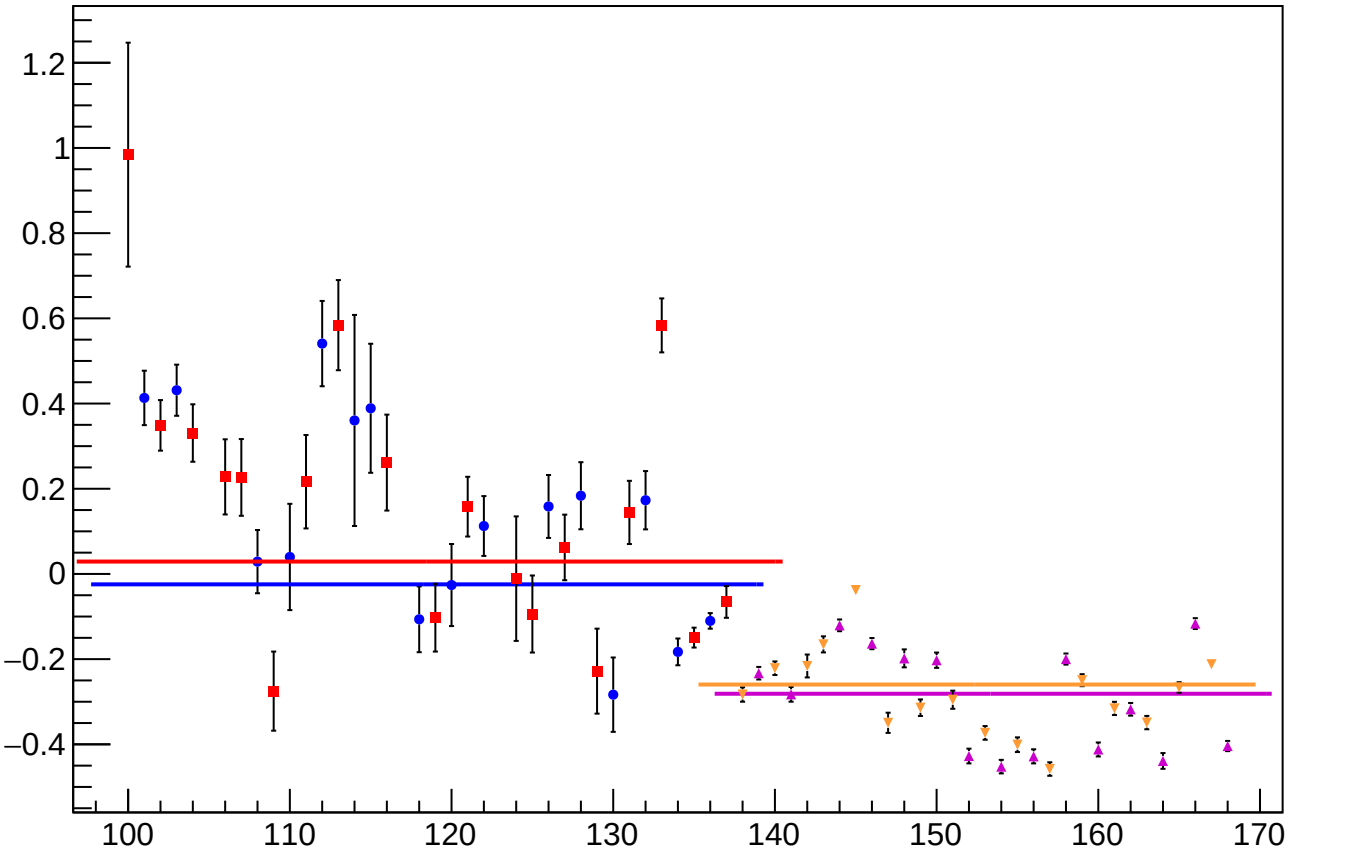
Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 43.017+/-0.087 χ^2/NDF:4328.9/14

+ sign 45.552+/-0.081 χ^2/NDF: 6064.0/31

All: 44.893+/-0.058 χ^2/NDF: 13691.1/65

- sign 44.214+/-0.082 χ^2/NDF: 7493.6/33



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.260+/-0.004 χ^2/NDF:821.2/15

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

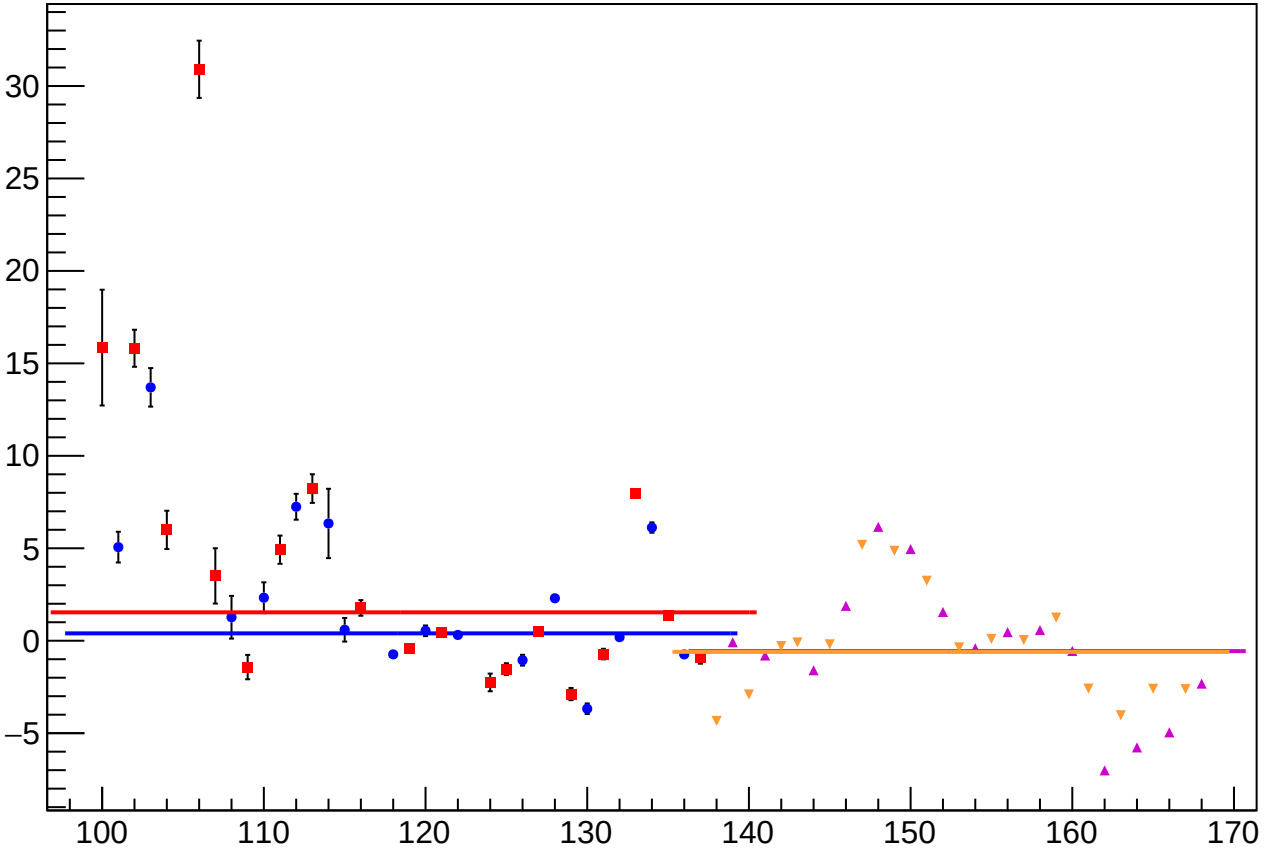
Left In: -0.281+/-0.004 χ^2/NDF:980.9/14

+ sign -0.240+/-0.004 χ^2/NDF: 1359.6/31

All: -0.249+/-0.003 χ^2/NDF: 3072.2/65

- sign -0.260+/-0.004 χ^2/NDF: 1698.5/33

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -0.603+/-0.040 χ^2/NDF:4424.5/15

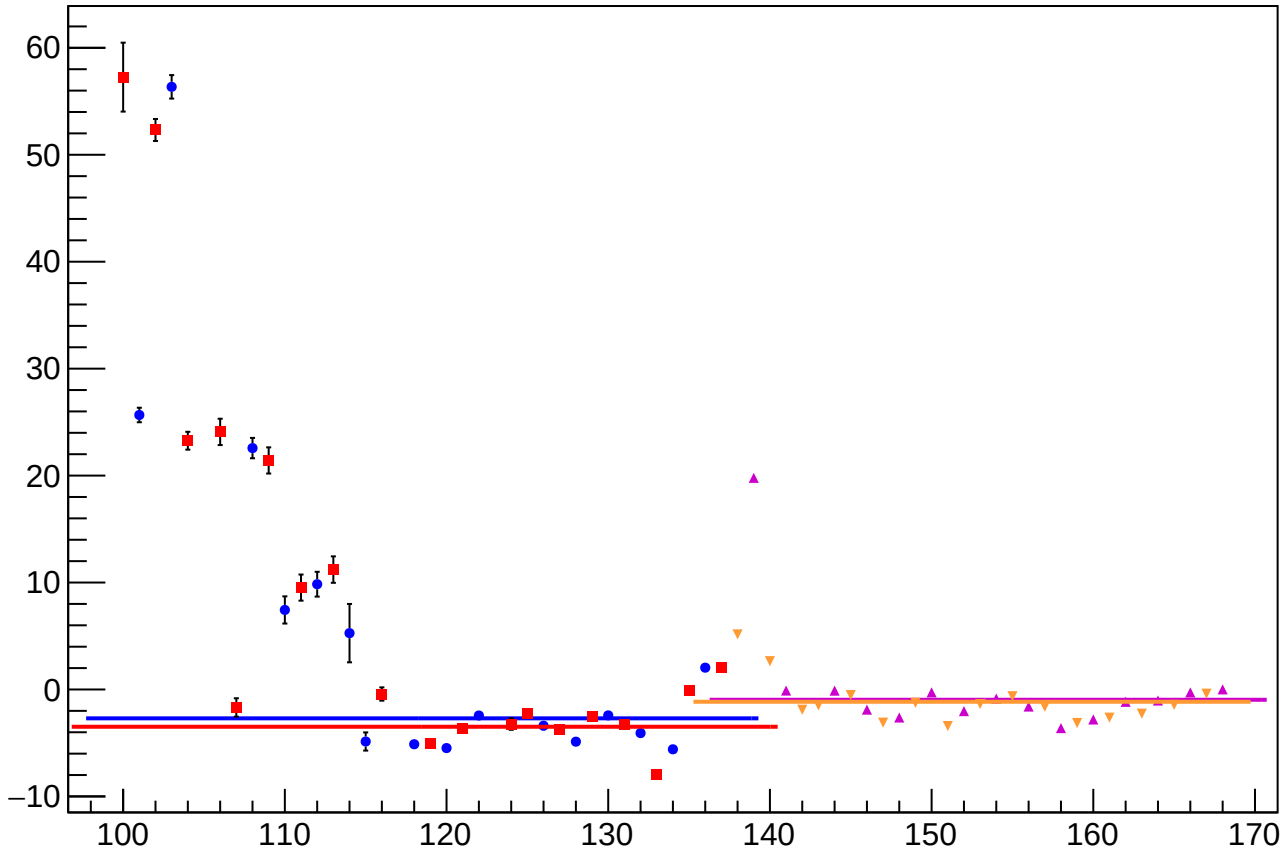
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -0.562+/-0.040 χ^2/NDF:6577.6/14

+ sign -0.390+/-0.036 χ^2/NDF: 5654.7/31

All: -0.261+/-0.025 χ^2/NDF: 15242.6/65

- sign -0.134+/-0.035 χ^2/NDF: 9561.8/33



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -1.149+/-0.029 χ^2/NDF:4251.3/15

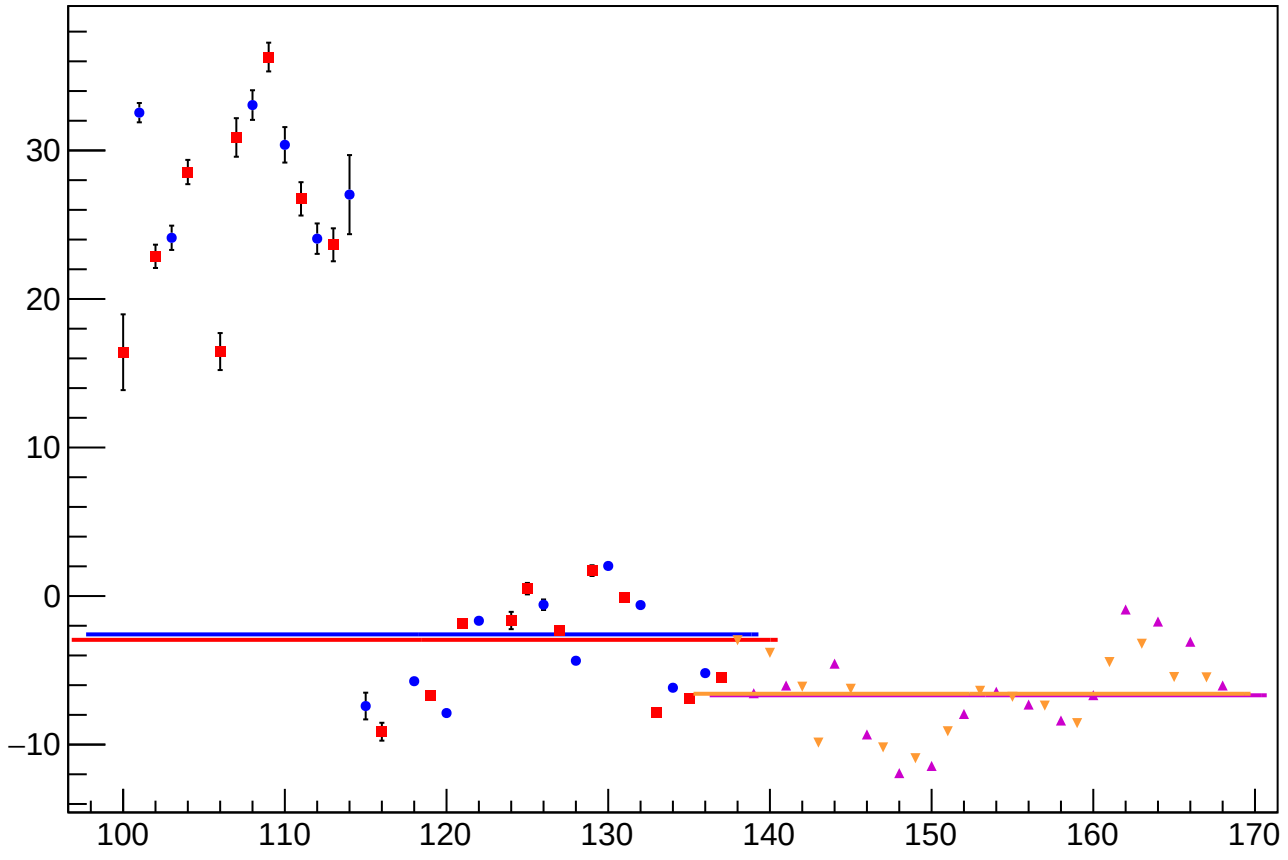
Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -0.962+/-0.029 χ^2/NDF:8222.8/14

+ sign -1.370+/-0.027 χ^2/NDF: 11766.9/31

All: -1.342+/-0.019 χ^2/NDF: 28243.0/65

- sign -1.314+/-0.026 χ^2/NDF: 16473.9/33



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.579+/-0.040 χ^2/NDF:3537.4/15

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

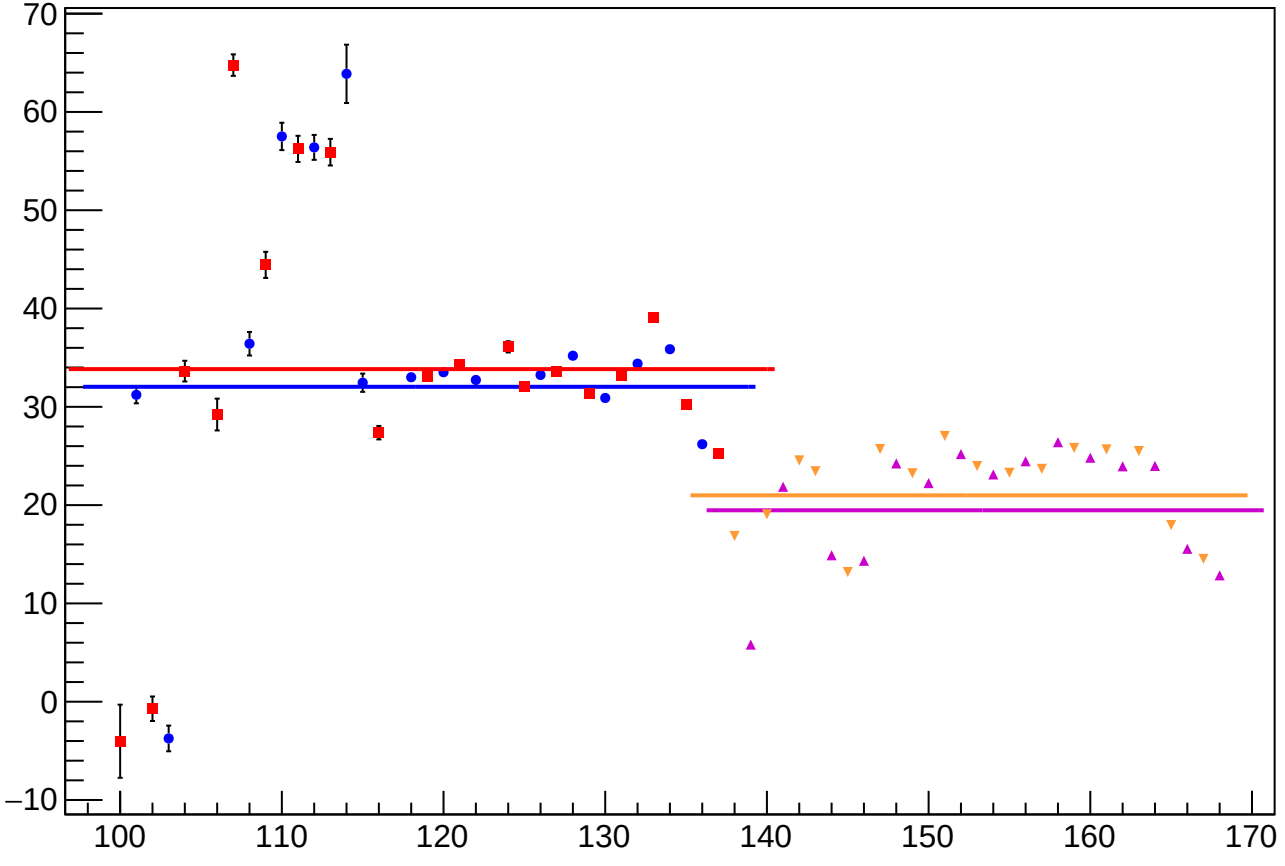
Left In: -6.681+/-0.039 χ^2/NDF:5570.4/14

+ sign -5.840+/-0.036 χ^2/NDF: 13583.5/31

All: -5.938+/-0.025 χ^2/NDF: 28962.4/65

- sign -6.035+/-0.035 χ^2/NDF: 15363.8/33

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 20.996+/-0.033 χ^2/NDF:21189.5/15

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

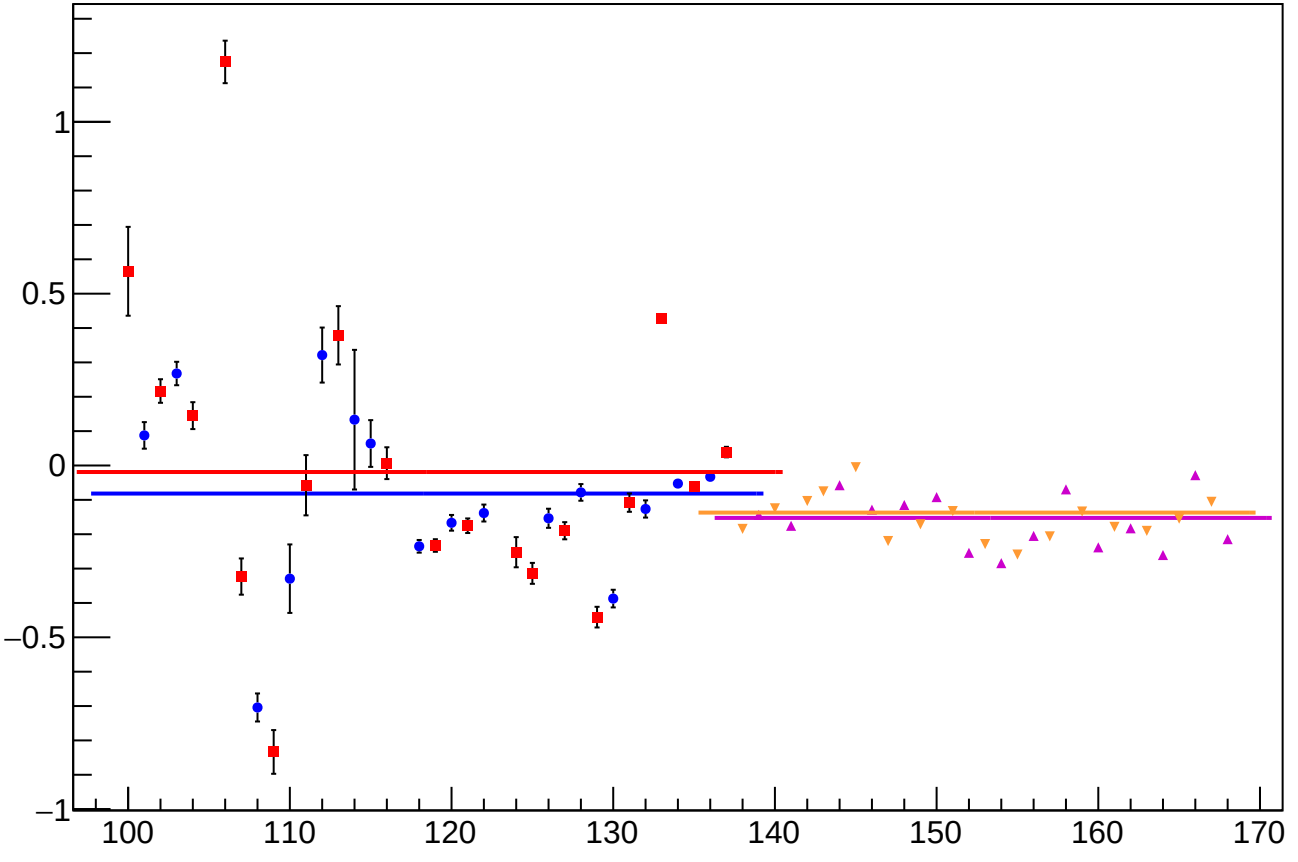
Left In: 19.475+/-0.033 χ^2/NDF:24189.9/14

+ sign 22.584+/-0.031 χ^2/NDF: 40244.5/31

All: 22.039+/-0.022 χ^2/NDF: 95893.4/65

- sign 21.500+/-0.031 χ^2/NDF: 55027.3/33

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+/-0.002 χ^2/NDF:2211.8/15

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

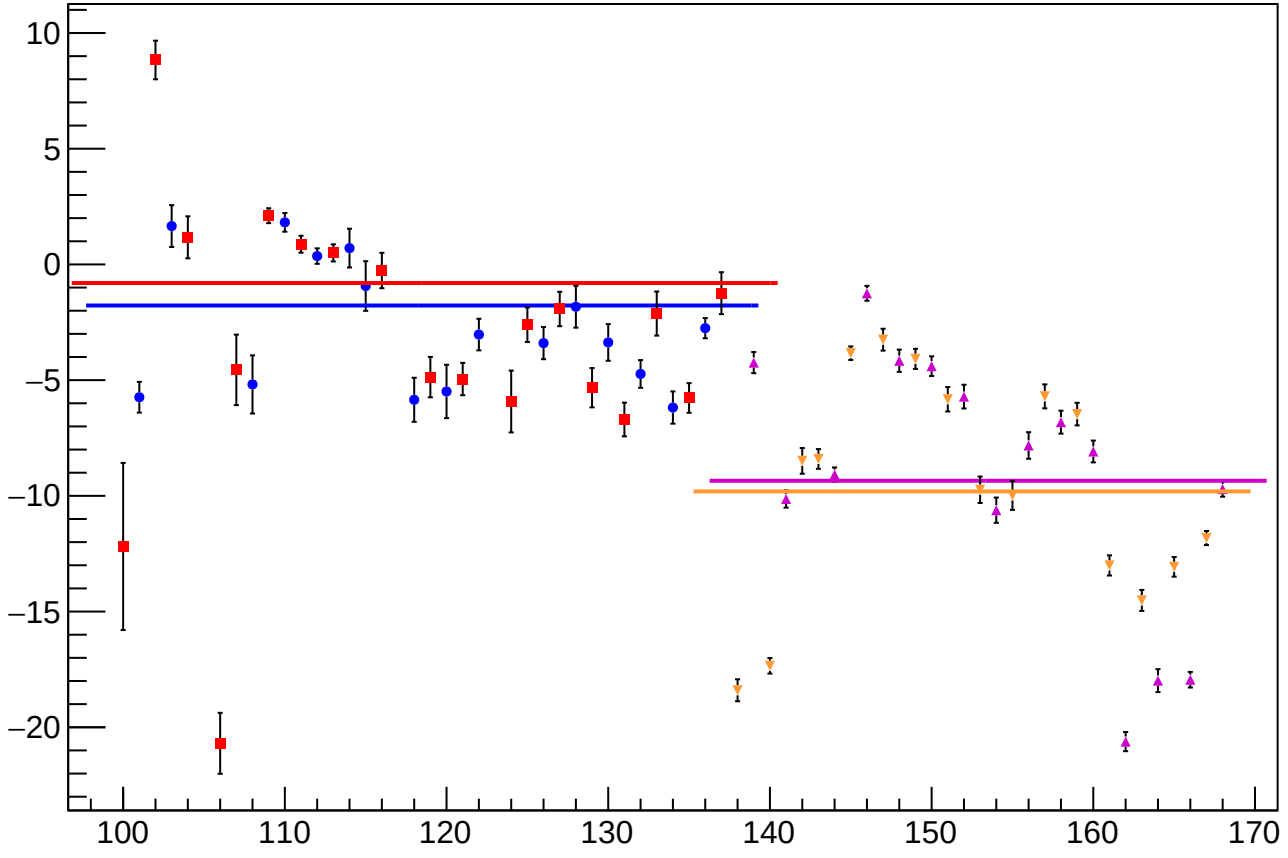
Left In: -0.153+/-0.001 χ^2/NDF:2628.9/14

+ sign -0.132+/-0.001 χ^2/NDF: 3020.8/31

All: -0.137+/-0.001 χ^2/NDF: 8559.6/65

- sign -0.142+/-0.001 χ^2/NDF: 5512.8/33

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -9.808+/-0.107 χ^2/NDF:2061.4/15

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

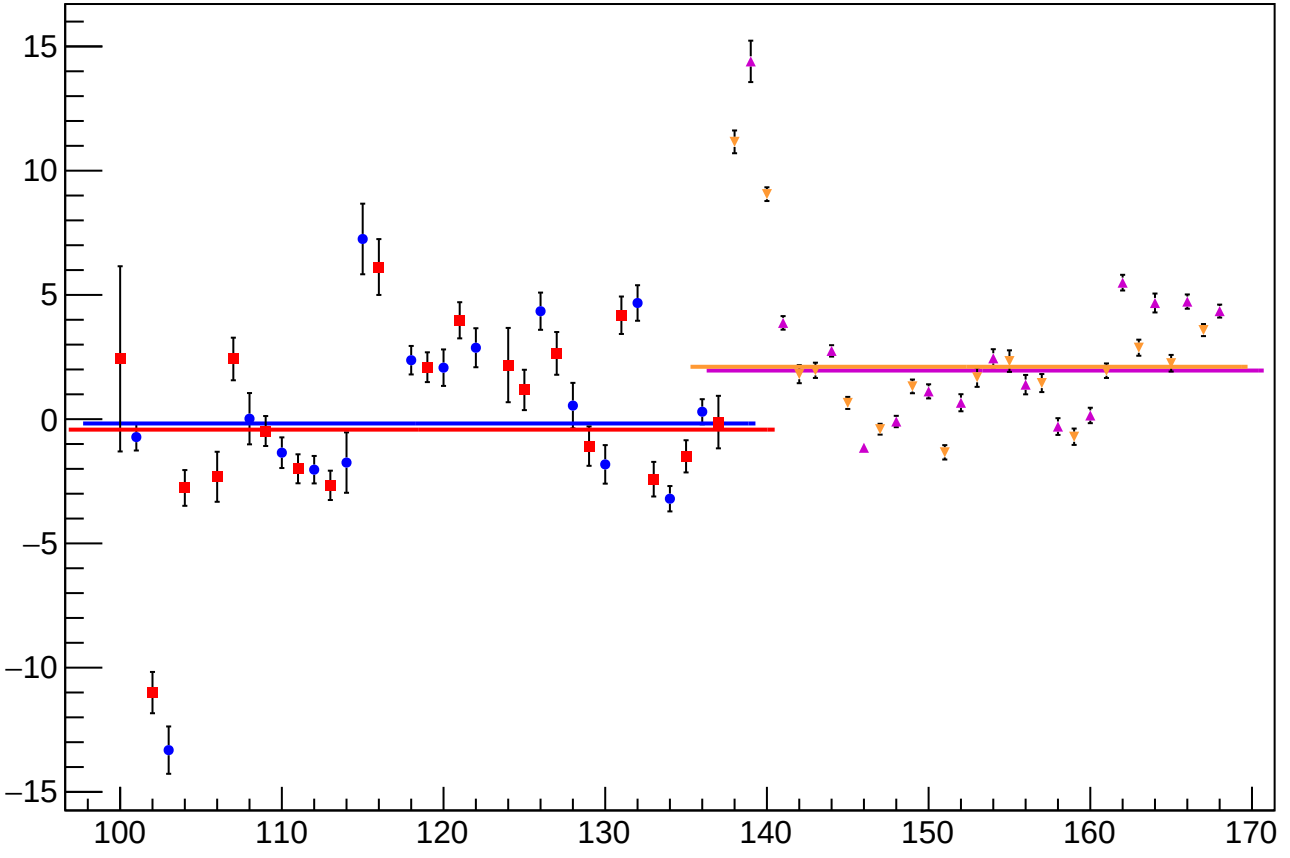
Left In: -9.348+/-0.106 χ^2/NDF:2801.4/14

+ sign -7.258+/-0.089 χ^2/NDF: 4143.1/31

All: -6.842+/-0.062 χ^2/NDF: 9912.9/65

- sign -6.445+/-0.086 χ^2/NDF: 5726.7/33

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.108+/-0.076 χ^2/NDF:1459.9/15

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

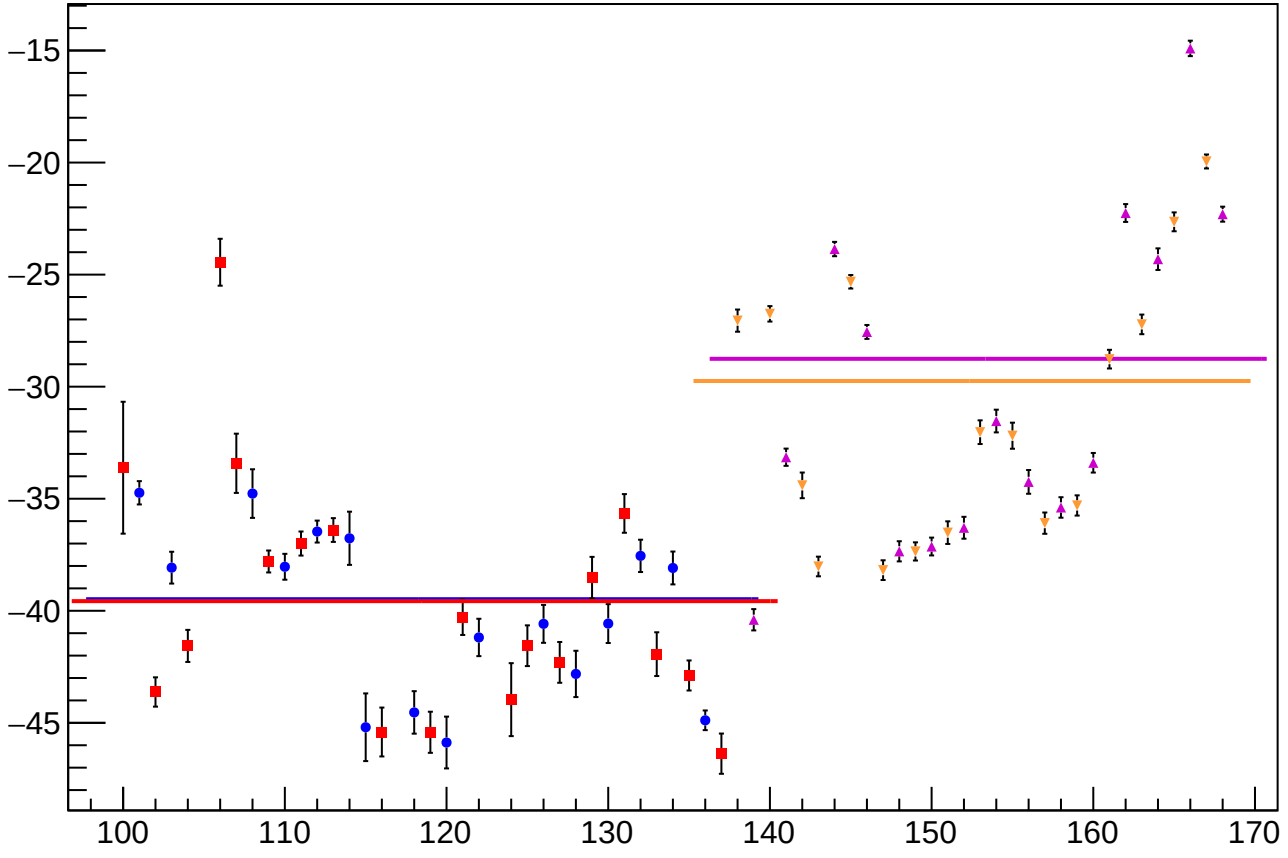
Left In: 1.957+/-0.075 χ^2/NDF:1080.0/14

+ sign 1.742+/-0.069 χ^2/NDF: 2009.2/31

All: 1.668+/-0.049 χ^2/NDF: 3610.4/65

- sign 1.595+/-0.069 χ^2/NDF: 1598.9/33

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -29.747+/-0.106 χ^2/NDF:3315.8/15

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

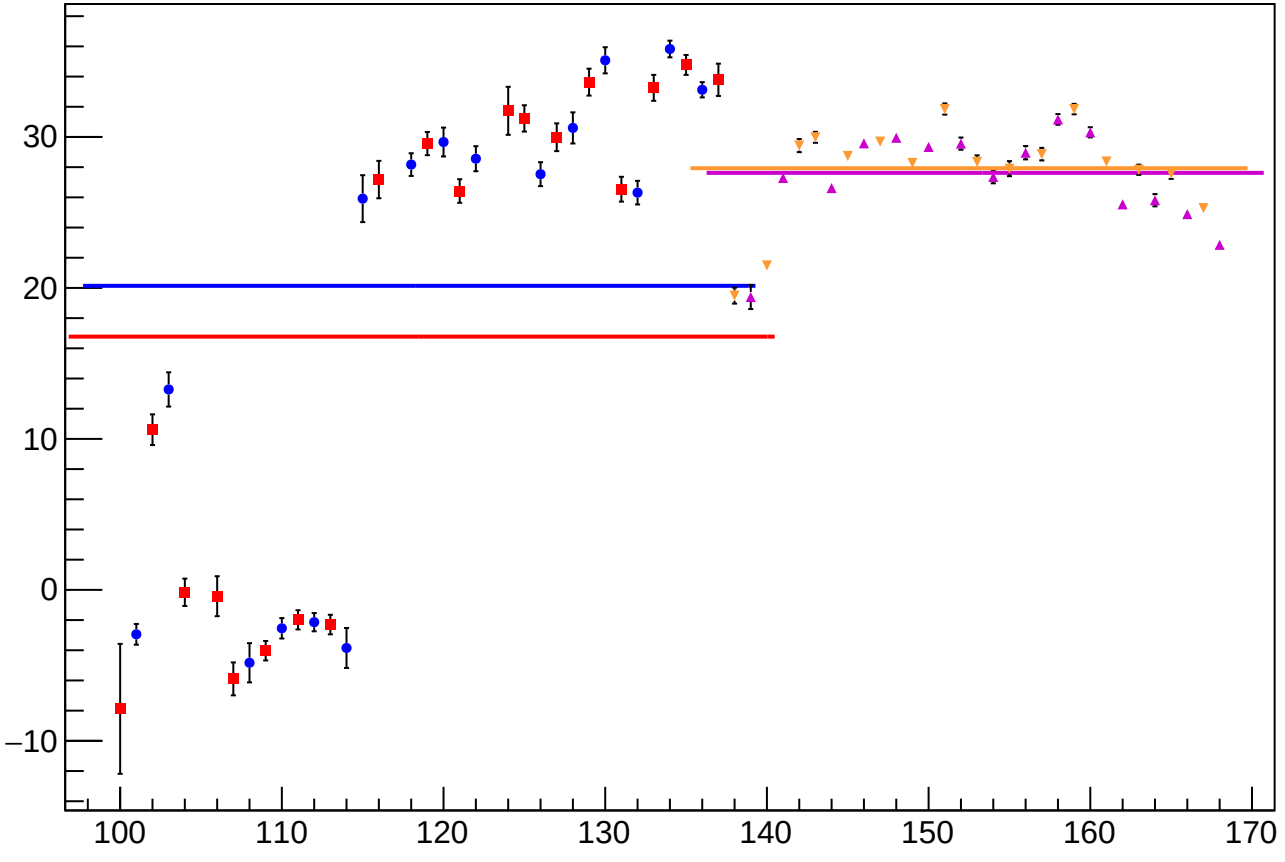
Left In: -28.757+/-0.104 χ^2/NDF:4823.3/14

+ sign -32.236+/-0.091 χ^2/NDF: 5897.9/31

All: -31.838+/-0.064 χ^2/NDF: 13994.0/65

- sign -31.447+/-0.090 χ^2/NDF: 8058.3/33

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.932+/-0.088 χ^2/NDF:1065.5/15

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

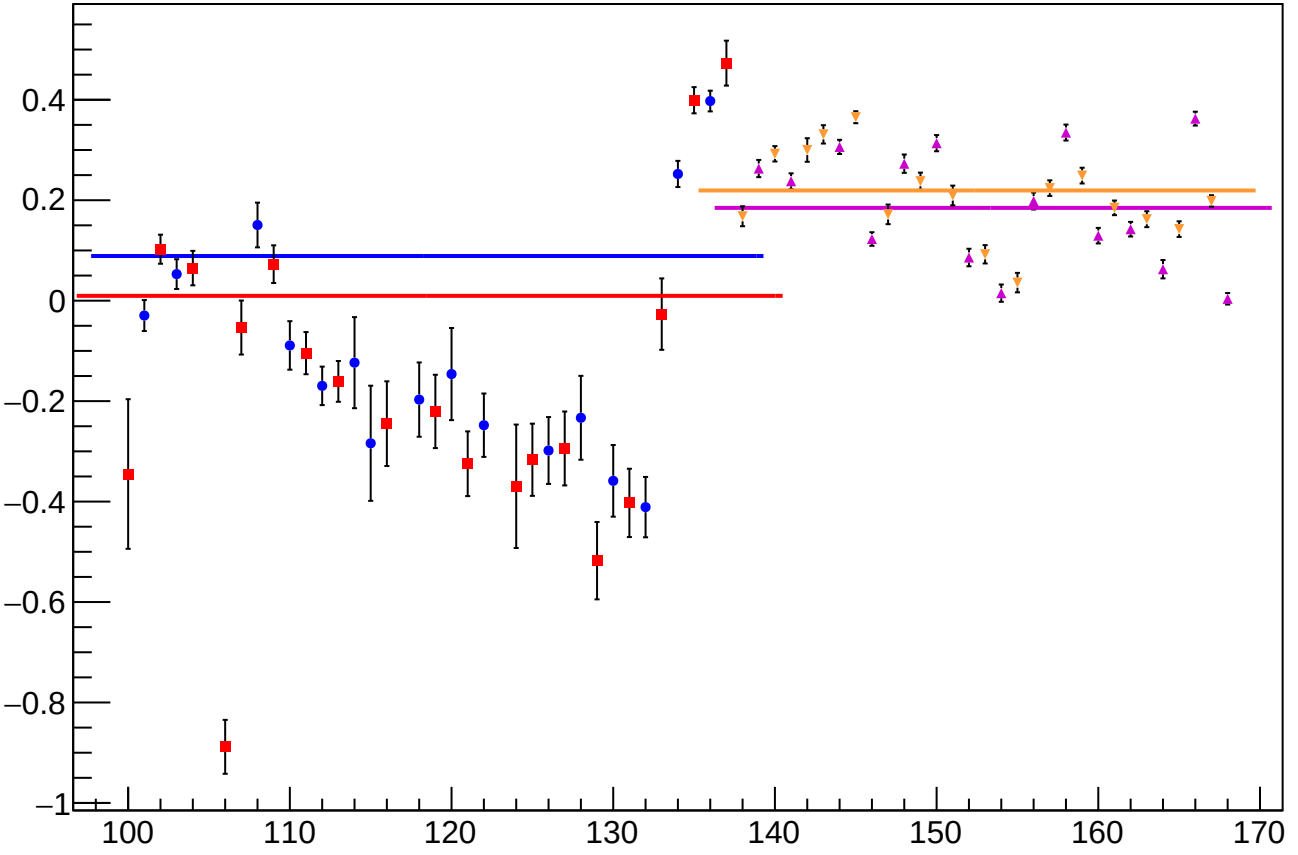
Left In: 27.623+/-0.087 χ^2/NDF:849.8/14

+ sign 26.623+/-0.080 χ^2/NDF: 9082.6/31

All: 26.255+/-0.056 χ^2/NDF: 19192.2/65

- sign 25.886+/-0.080 χ^2/NDF: 10067.1/33

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.219+/-0.004 χ^2/NDF:423.2/15

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

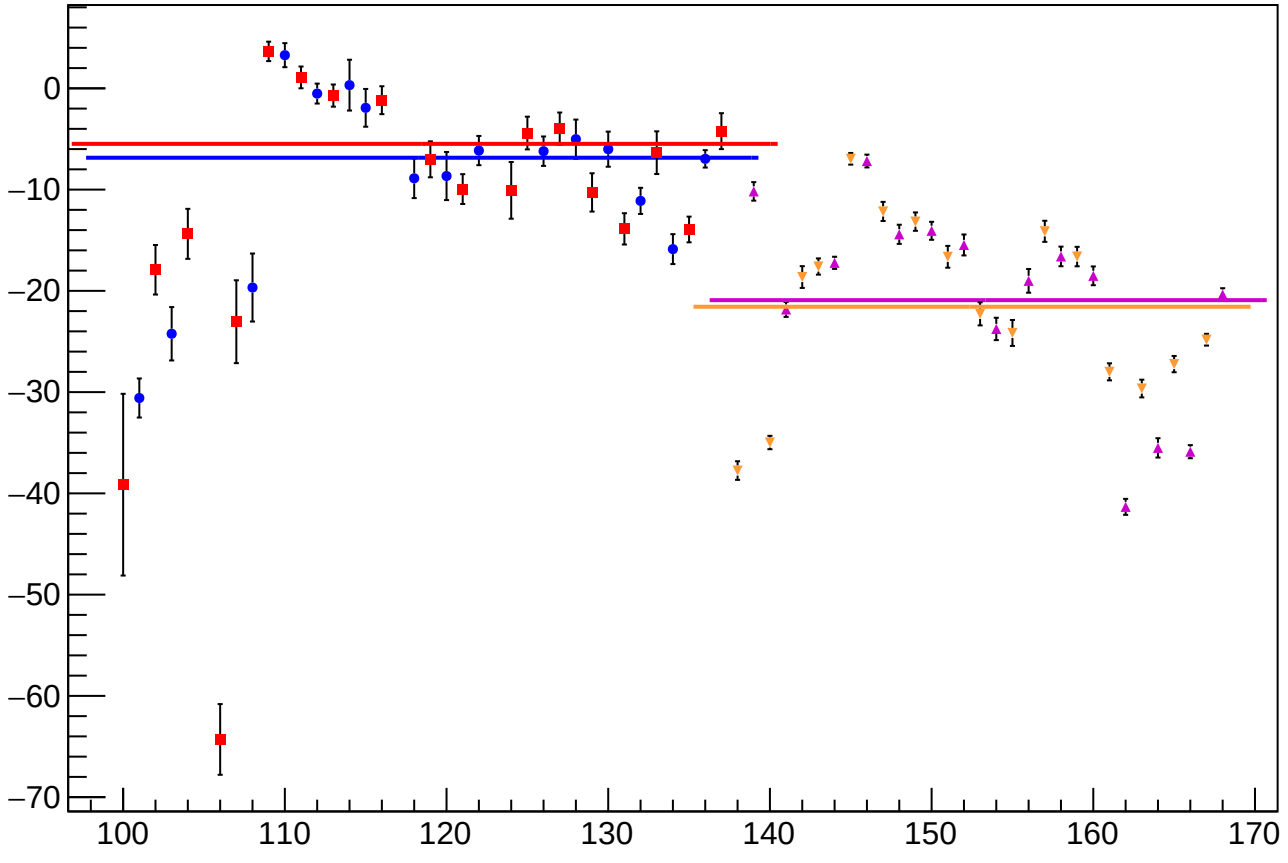
Left In: 0.185+/-0.004 χ^2/NDF:915.9/14

+ sign 0.202+/-0.004 χ^2/NDF: 1123.7/31

All: 0.183+/-0.003 χ^2/NDF: 3149.0/65

- sign 0.165+/-0.004 χ^2/NDF: 1974.4/33

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -21.570+/-0.210 χ^2/NDF:1909.5/15

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

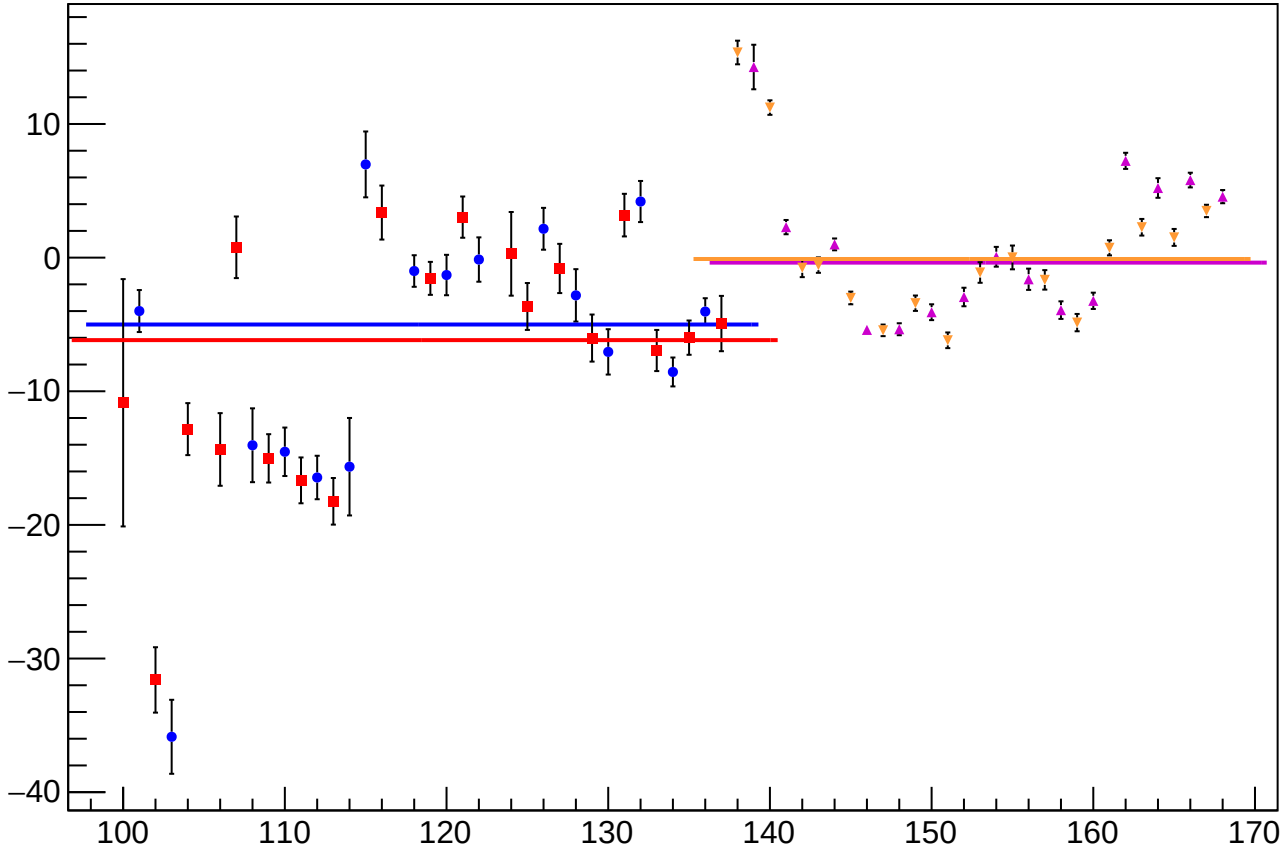
Left In: -20.919+/-0.208 χ^2/NDF:2251.6/14

+ sign -18.068+/-0.183 χ^2/NDF: 3469.6/31

All: -17.624+/-0.129 χ^2/NDF: 7666.4/65

- sign -17.187+/-0.181 χ^2/NDF: 4185.1/33

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.102+/-0.148 χ^2/NDF:1213.2/15

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

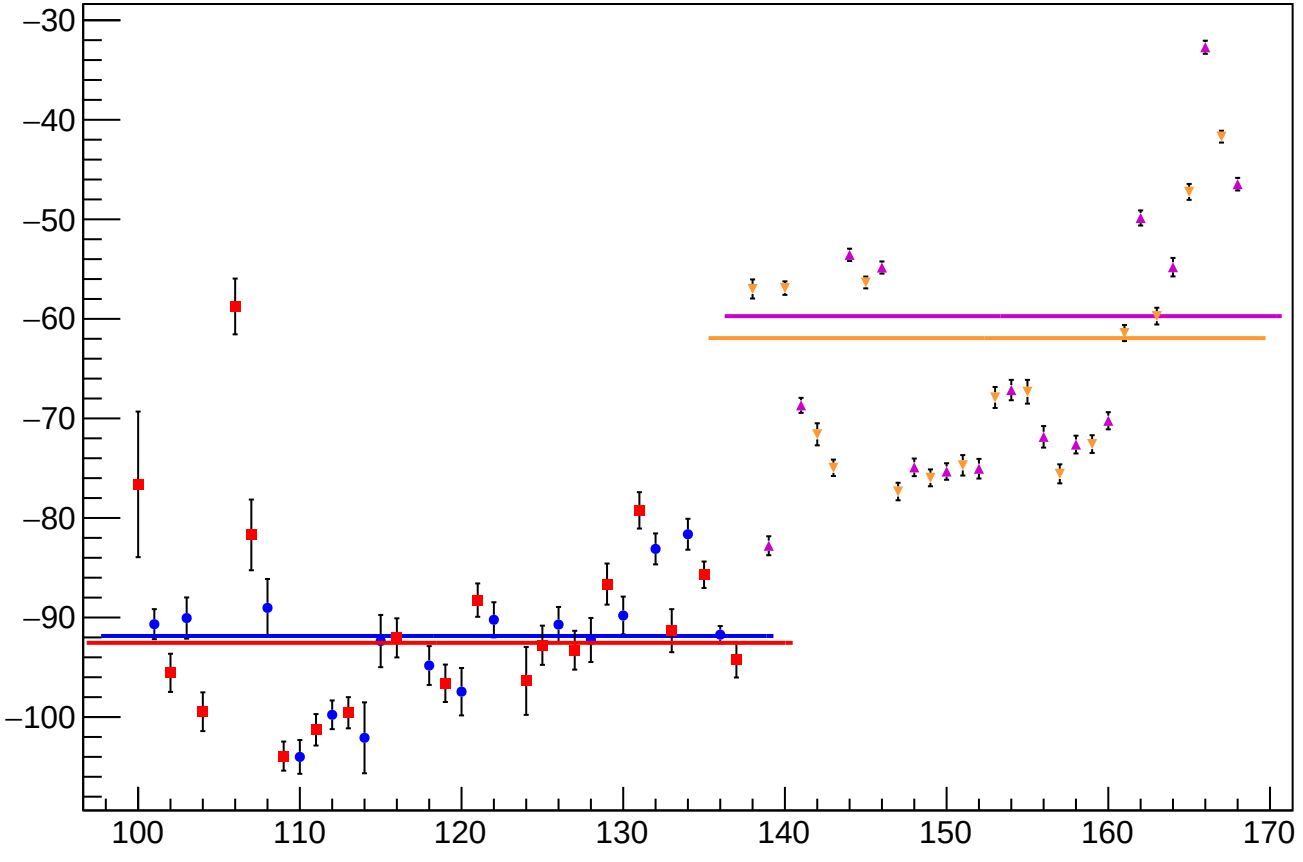
Left In: -0.374+/-0.147 χ^2/NDF:965.1/14

+ sign -0.708+/-0.139 χ^2/NDF: 1689.7/31

All: -0.862+/-0.098 χ^2/NDF: 3198.9/65

- sign -1.015+/-0.138 χ^2/NDF: 1506.7/33

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -61.932+/-0.207 χ^2/NDF:3129.1/15

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

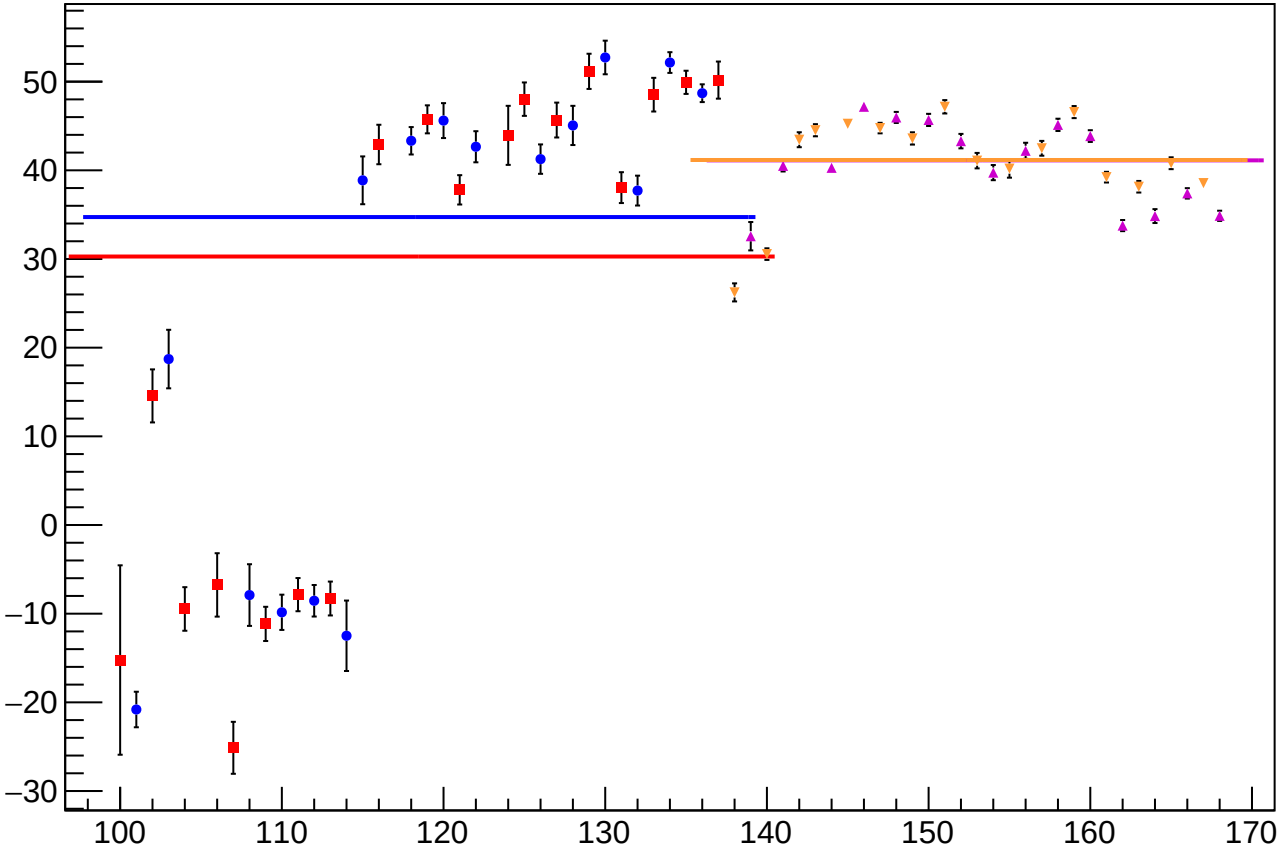
Left In: -59.726+/-0.204 χ^2/NDF:4622.9/14

+ sign -67.696+/-0.186 χ^2/NDF: 7327.1/31

All: -66.621+/-0.131 χ^2/NDF: 16994.7/65

- sign -65.556+/-0.185 χ^2/NDF: 9601.1/33

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.164+/-0.172 χ^2/NDF:801.5/15

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

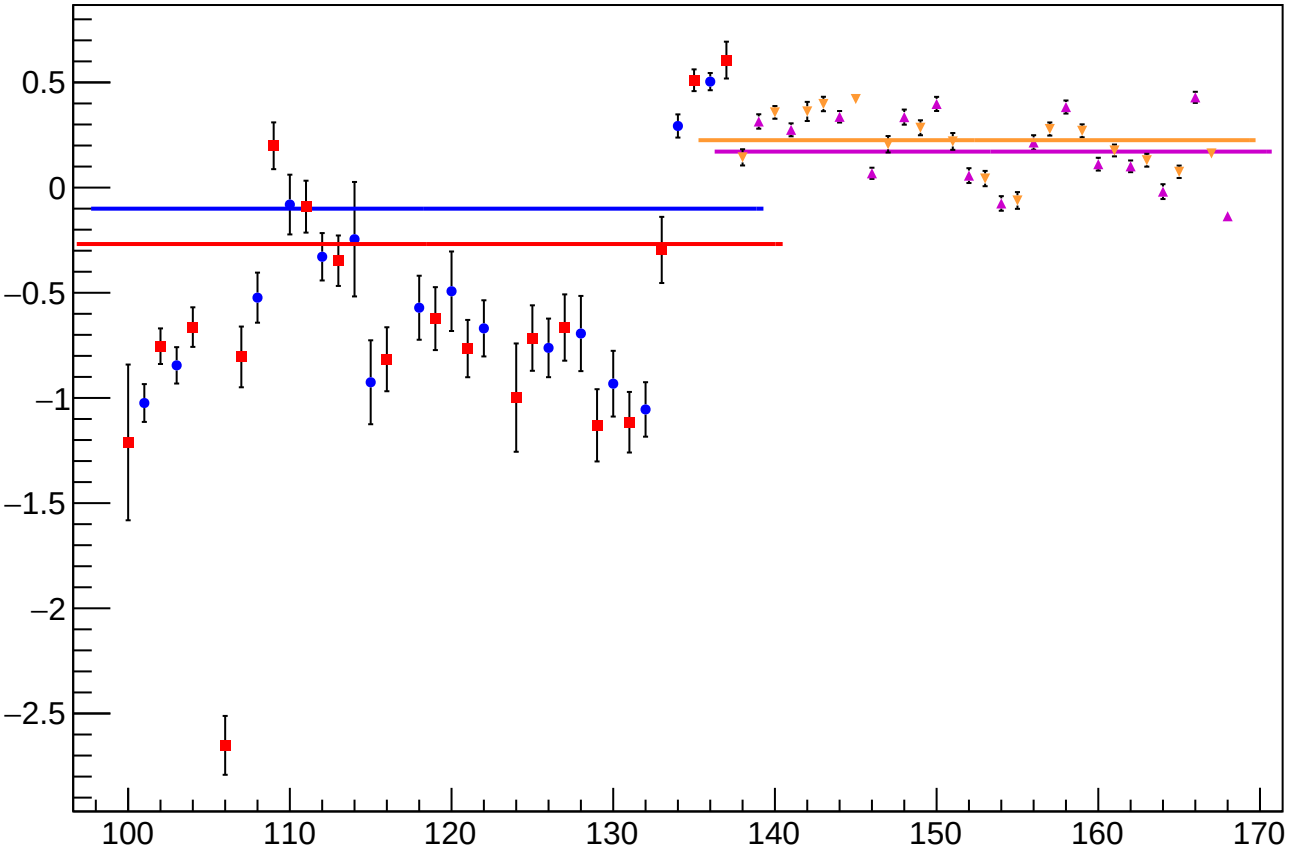
Left In: 41.123+/-0.171 χ^2/NDF:723.4/14

+ sign 40.321+/-0.160 χ^2/NDF: 3794.9/31

All: 40.084+/-0.113 χ^2/NDF: 7909.4/65

- sign 39.846+/-0.160 χ^2/NDF: 4110.1/33

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.225+/-0.008 χ^2/NDF:259.0/15

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

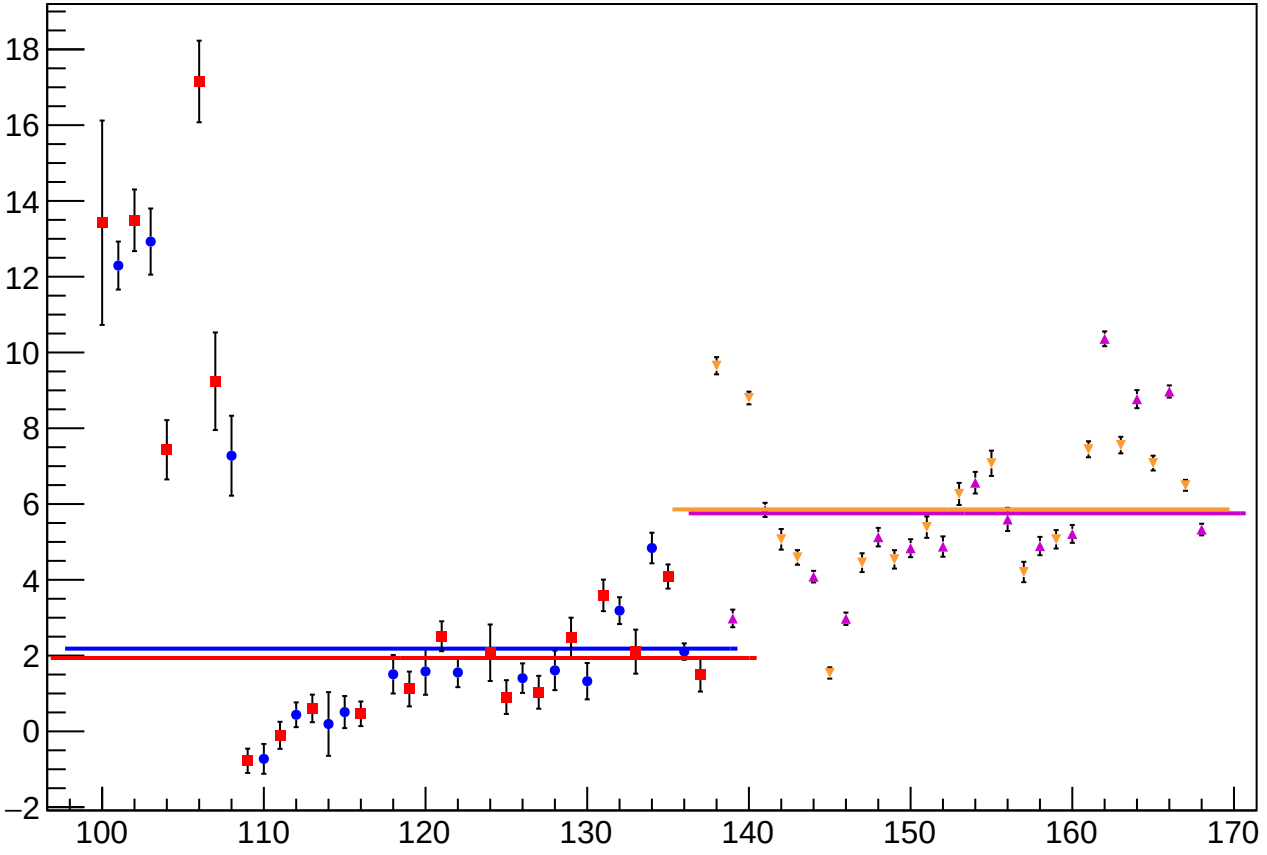
Left In: 0.171+/-0.008 χ^2/NDF:590.9/14

+ sign 0.194+/-0.008 χ^2/NDF: 1056.2/31

All: 0.165+/-0.005 χ^2/NDF: 2755.2/65

- sign 0.136+/-0.007 χ^2/NDF: 1669.2/33

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.859+/-0.053 χ^2/NDF:1782.9/15

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

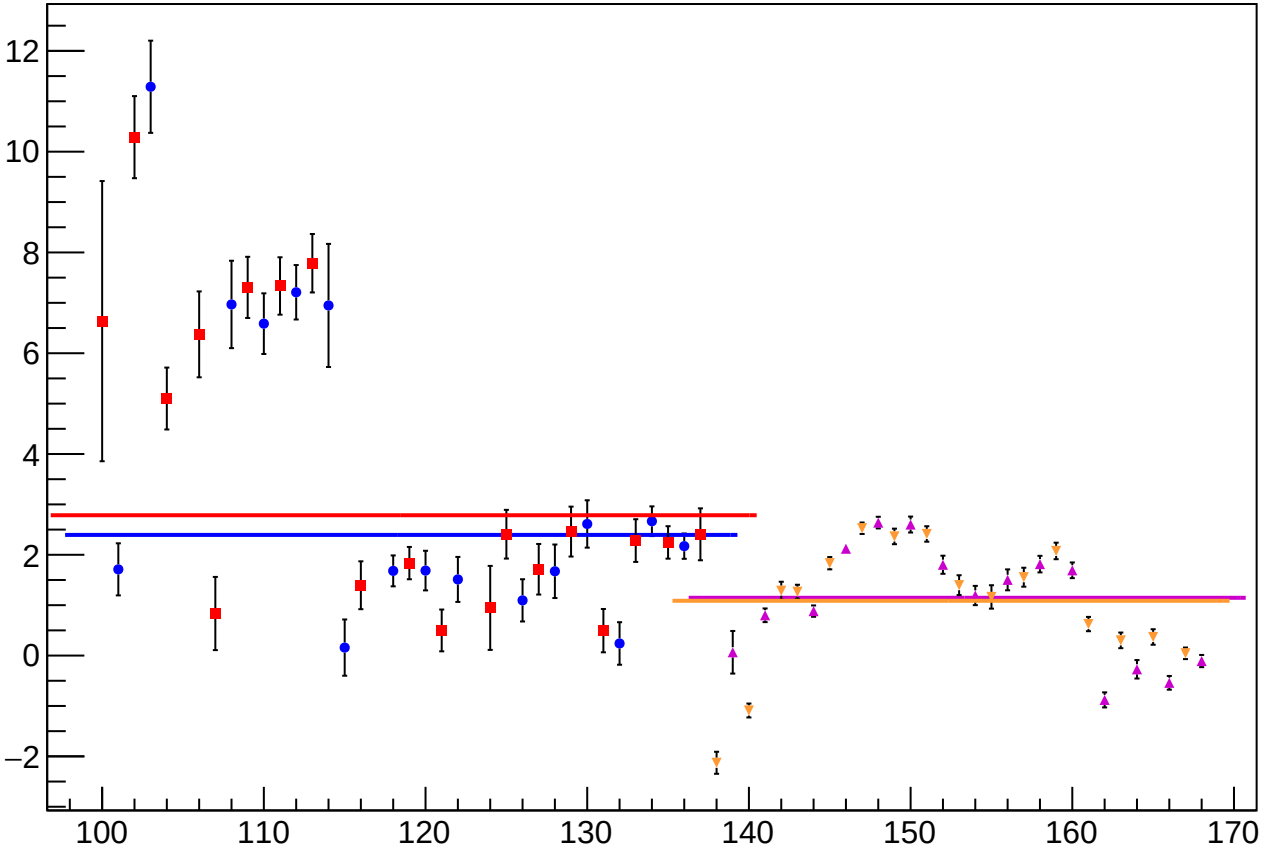
Left In: 5.755+/-0.053 χ^2/NDF:1732.6/14

+ sign 5.111+/-0.047 χ^2/NDF: 3358.2/31

All: 5.050+/-0.033 χ^2/NDF: 6859.0/65

- sign 4.989+/-0.047 χ^2/NDF: 3497.5/33

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.087+/-0.038 χ^2/NDF:993.6/15

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

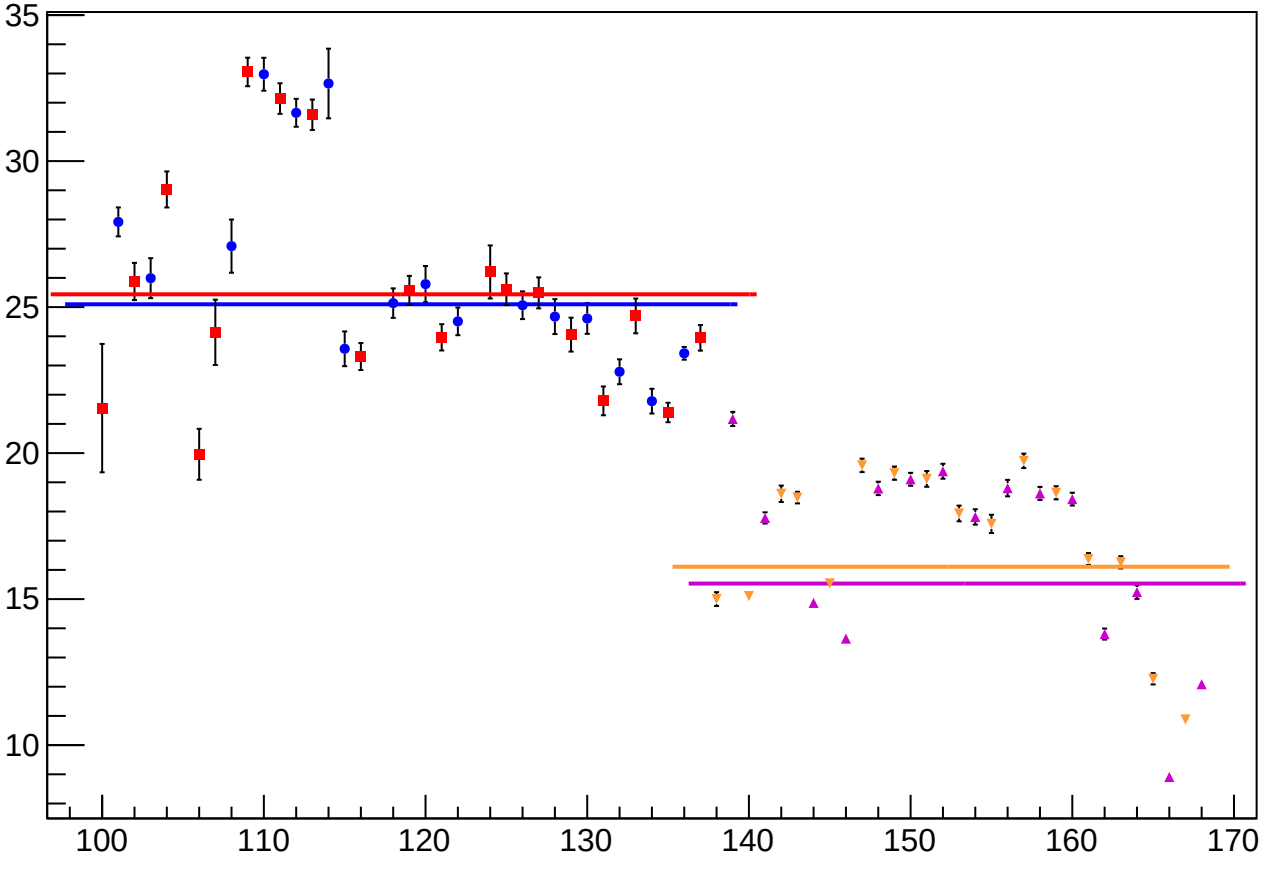
Left In: 1.147+/-0.037 χ^2/NDF:923.5/14

+ sign 1.228+/-0.036 χ^2/NDF: 1457.3/31

All: 1.264+/-0.025 χ^2/NDF: 2974.9/65

- sign 1.300+/-0.035 χ^2/NDF: 1515.6/33

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 16.108+/-0.052 χ^2/NDF:2896.4/15

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

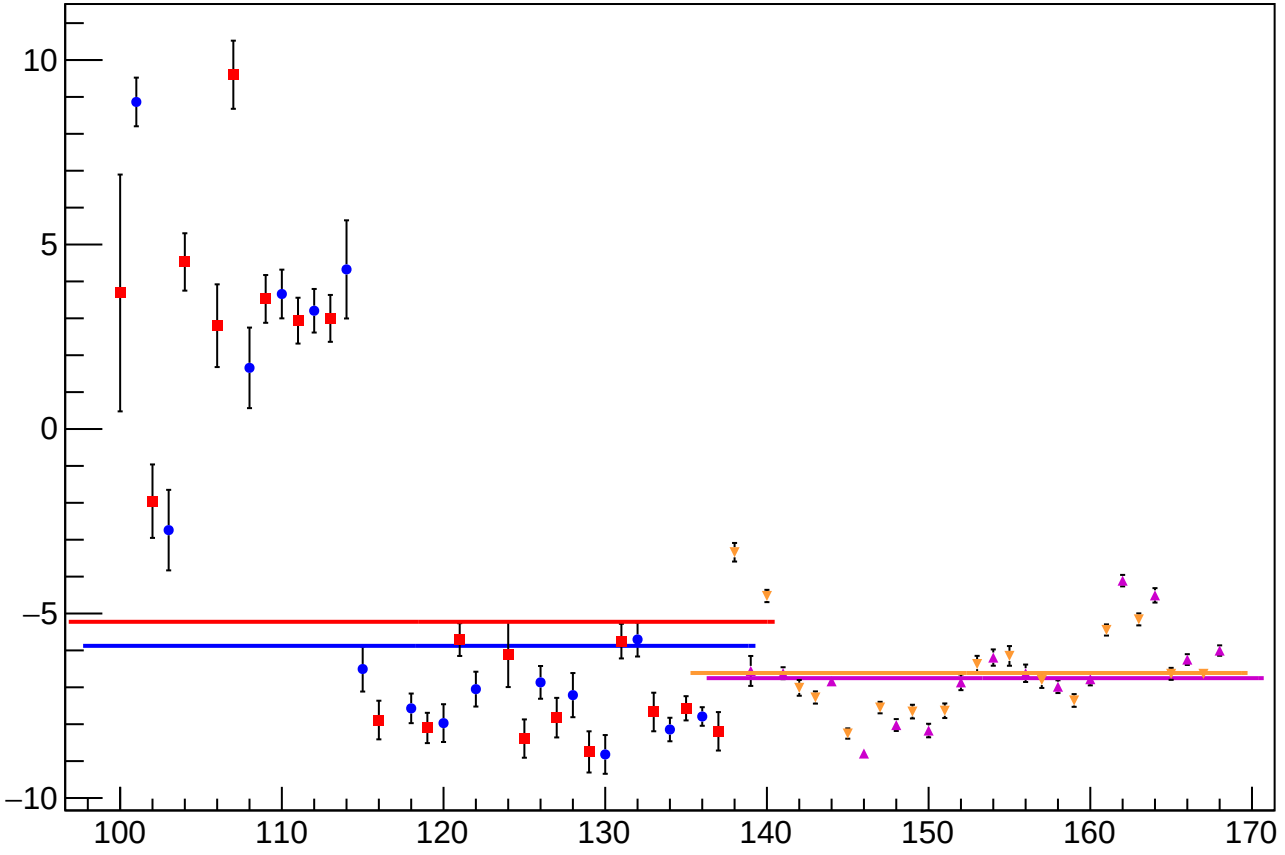
Left In: 15.533+/-0.052 χ^2/NDF:4314.7/14

\+ sign 17.601+/-0.048 χ^2/NDF: 8396.0/31

All: 17.301+/-0.034 χ^2/NDF: 19098.0/65

\- sign 17.003+/-0.048 χ^2/NDF: 10624.0/33

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: -6.612+/-0.043 χ^2/NDF:740.1/15

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

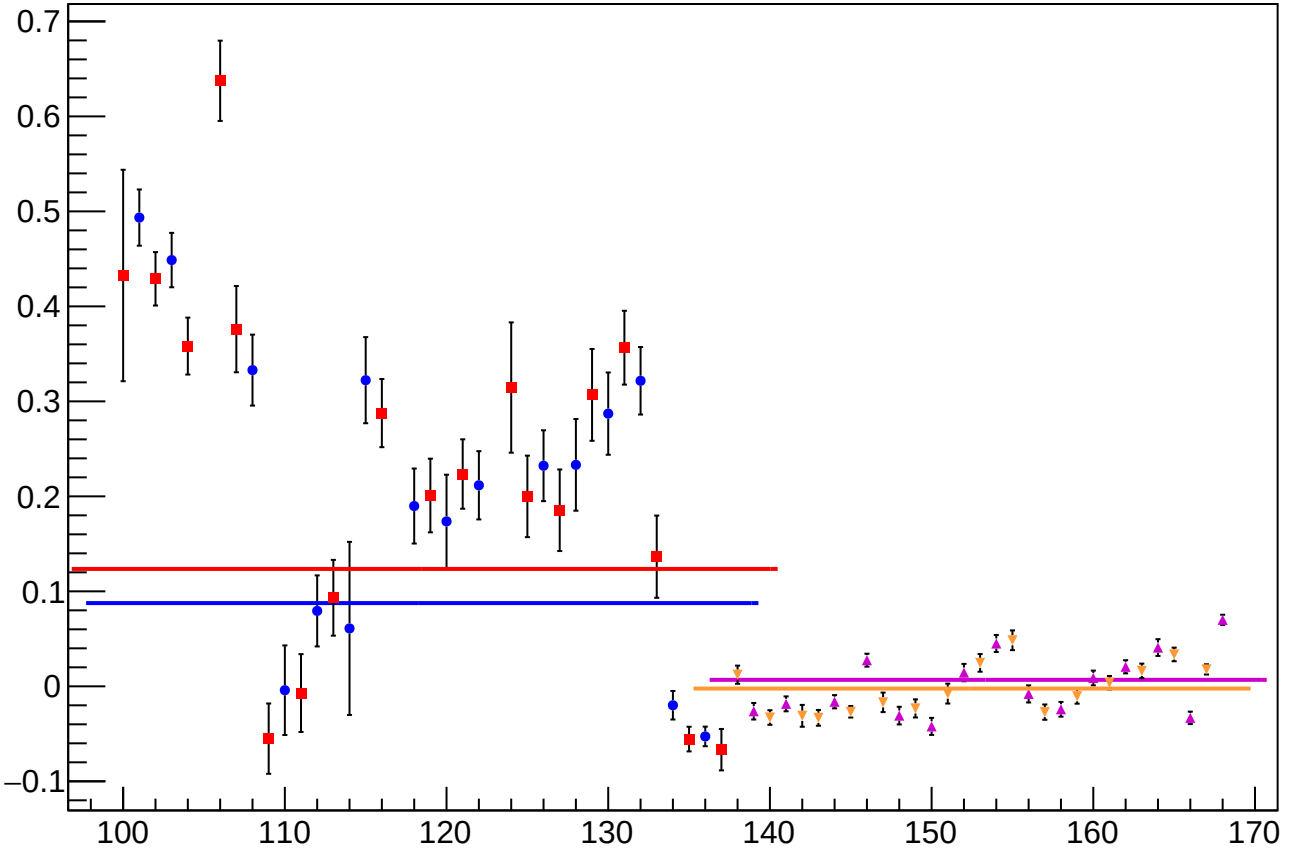
Left In: -6.752+/-0.043 χ^2/NDF:882.7/14

+ sign -6.527+/-0.041 χ^2/NDF: 2024.4/31

All: -6.563+/-0.029 χ^2/NDF: 4325.8/65

- sign -6.598+/-0.041 χ^2/NDF: 2299.9/33

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: -0.002+/-0.002 χ^2/NDF:150.0/15

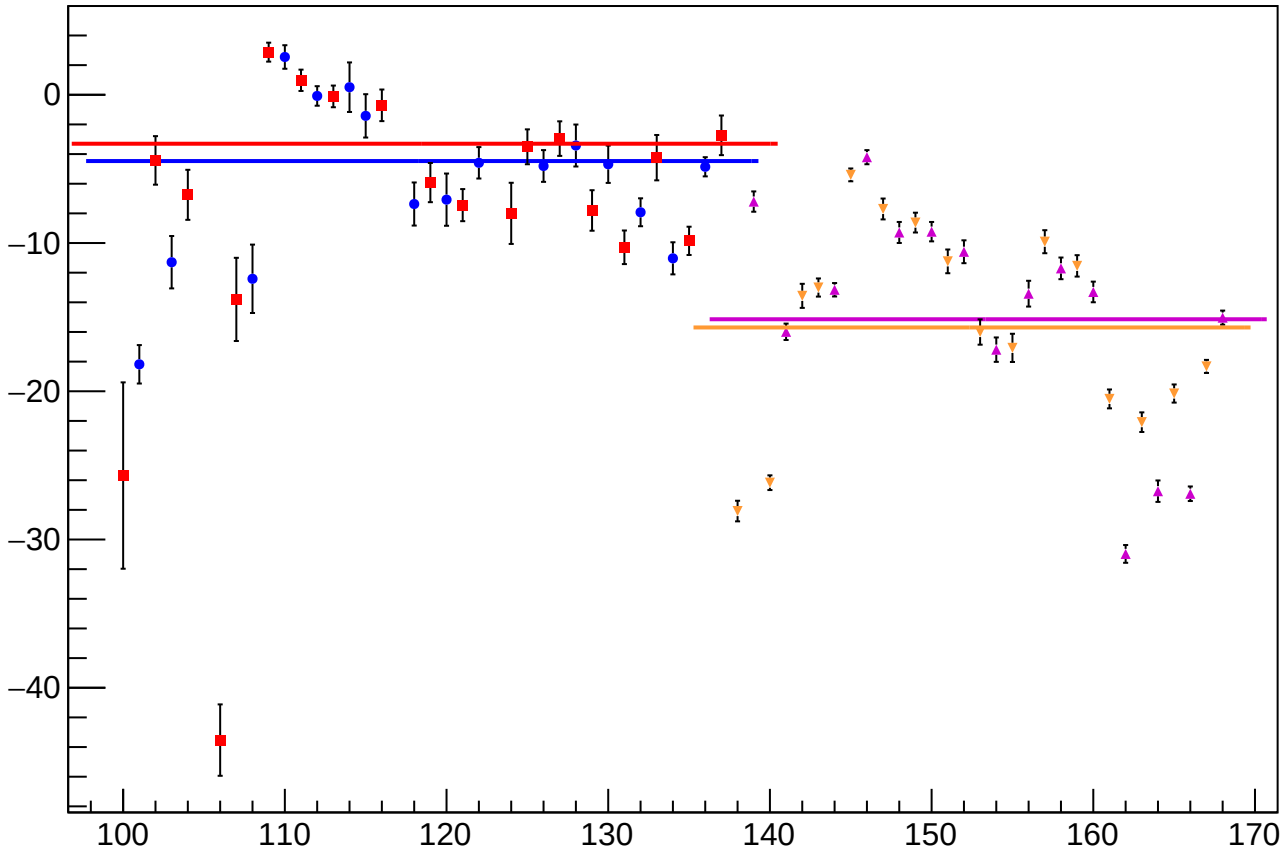
Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.007+/-0.002 χ^2/NDF:325.3/14

+ sign 0.005+/-0.002 χ^2/NDF: 1088.6/31

All: 0.010+/-0.001 χ^2/NDF: 2425.1/65

- sign 0.015+/-0.002 χ^2/NDF: 1324.2/33



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -15.696+/-0.158 χ^2/NDF:1956.8/15

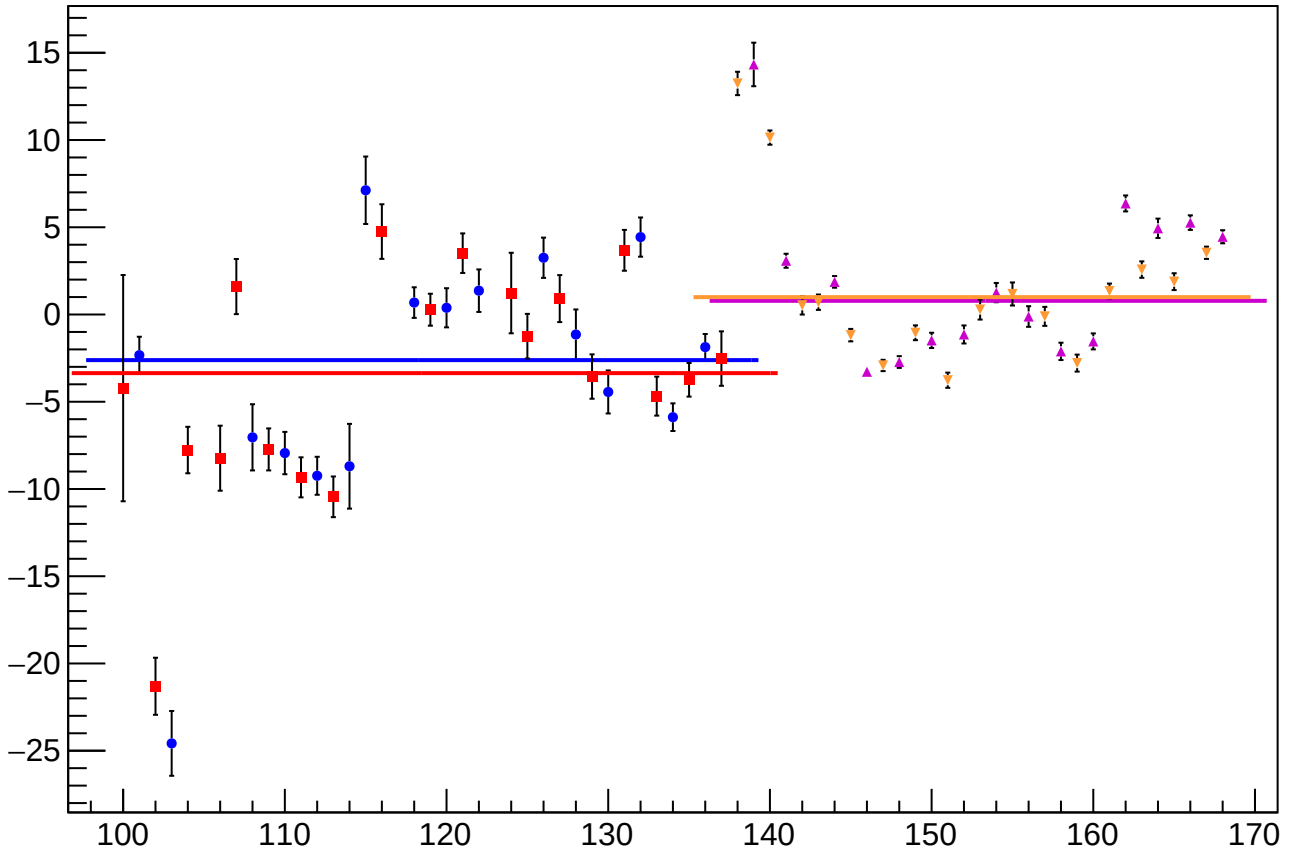
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -15.142+/-0.157 χ^2/NDF:2436.2/14

+ sign -12.809+/-0.136 χ^2/NDF: 3587.5/31

All: -12.399+/-0.096 χ^2/NDF: 8140.1/65

- sign -12.000+/-0.134 χ^2/NDF: 4534.7/33



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.996+/-0.112 χ^2/NDF:1294.0/15

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

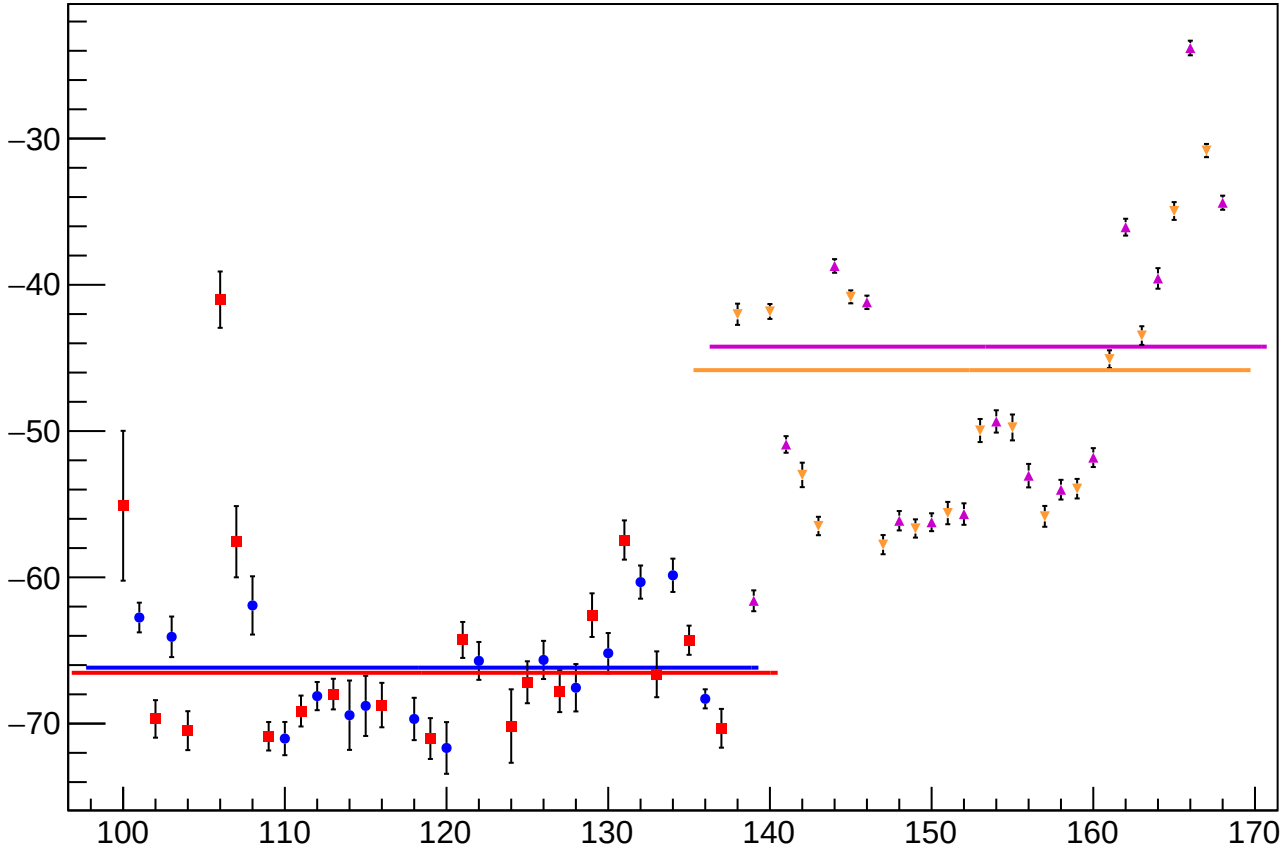
Left In: 0.784+/-0.111 χ^2/NDF:994.8/14

+ sign 0.518+/-0.104 χ^2/NDF: 1784.4/31

All: 0.401+/-0.073 χ^2/NDF: 3310.5/65

- sign 0.285+/-0.104 χ^2/NDF: 1523.6/33

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -45.834+/-0.156 χ^2/NDF:3198.9/15

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

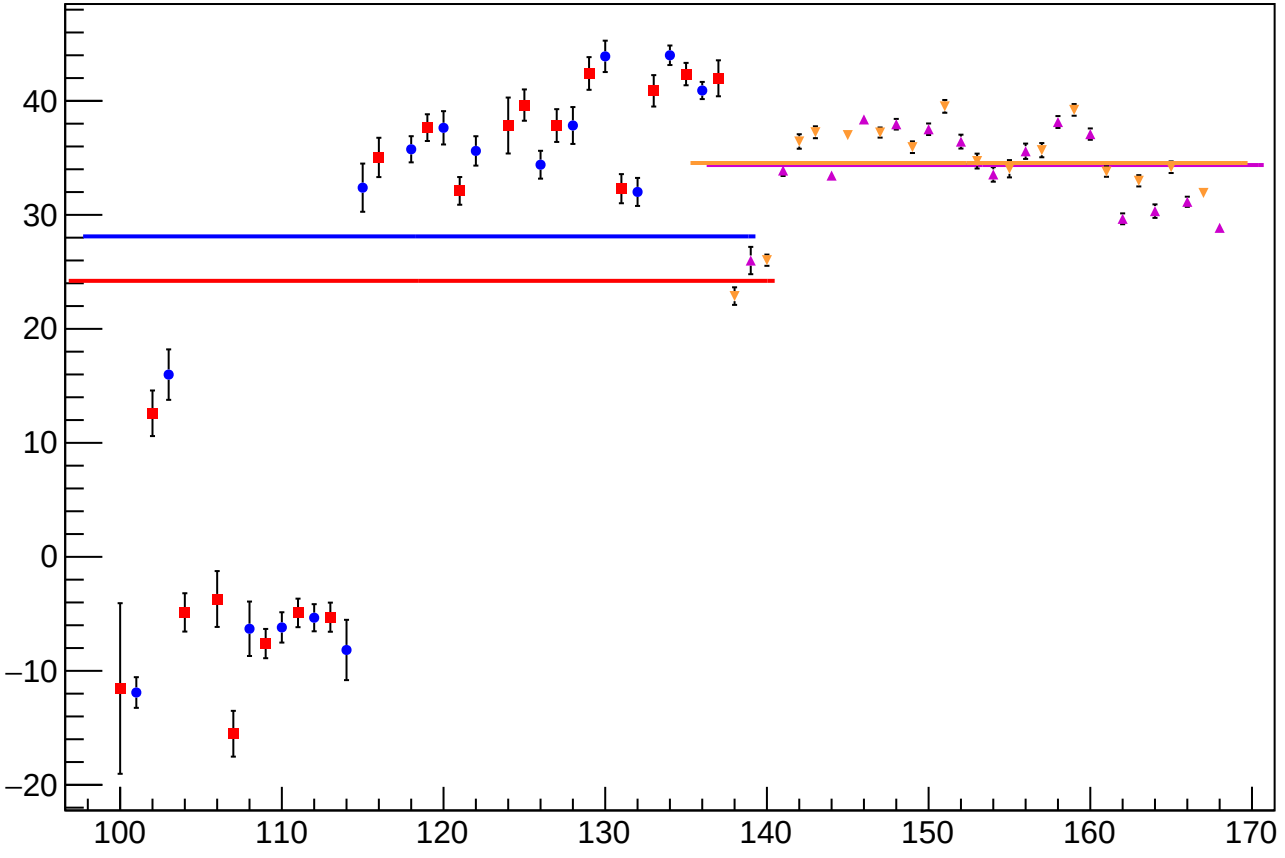
Left In: -44.228+/-0.154 χ^2/NDF:4703.6/14

+ sign -50.060+/-0.139 χ^2/NDF: 6867.9/31

All: -49.309+/-0.098 χ^2/NDF: 16053.0/65

- sign -48.567+/-0.138 χ^2/NDF: 9126.8/33

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.550+/-0.129 χ^2/NDF:868.5/15

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

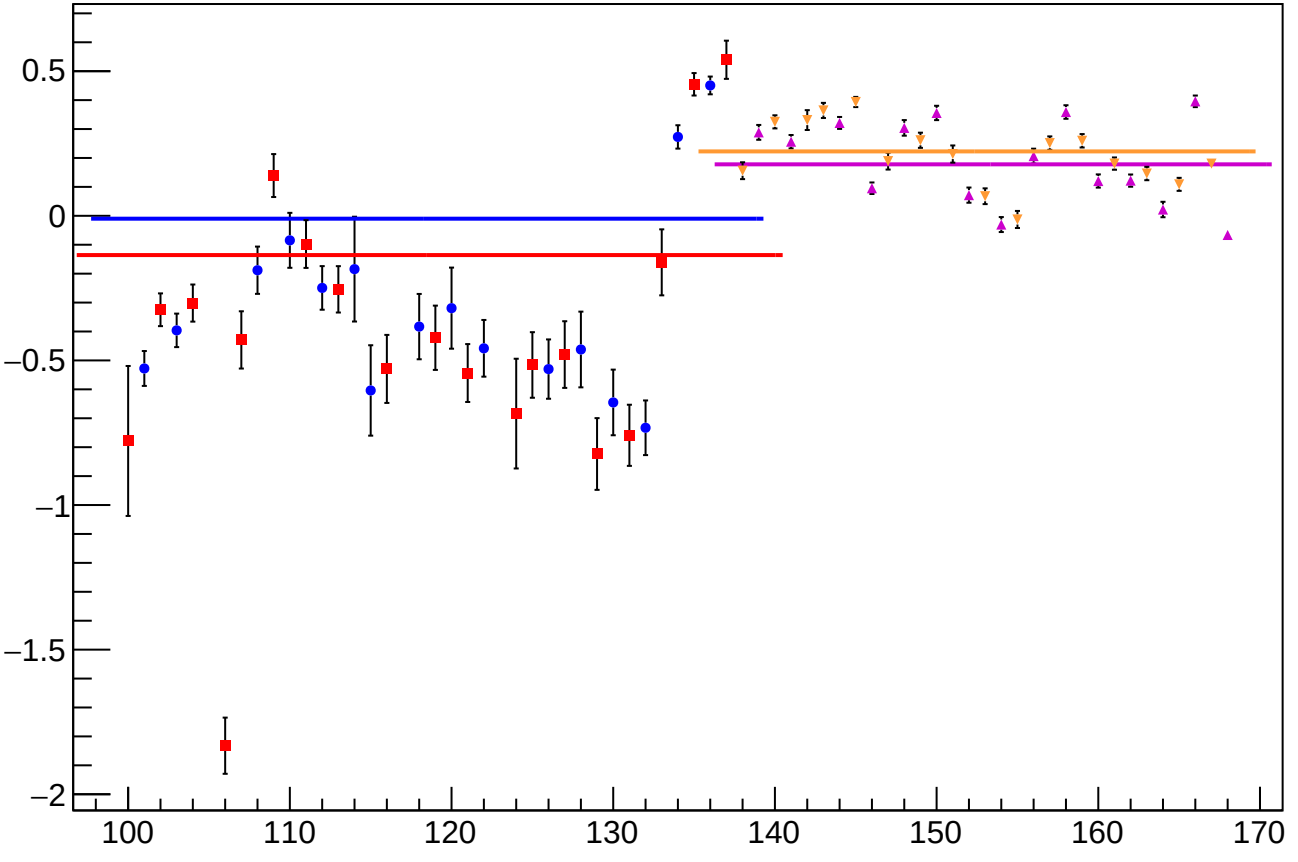
Left In: 34.372+/-0.128 χ^2/NDF:734.1/14

+ sign 33.649+/-0.120 χ^2/NDF: 4944.4/31

All: 33.362+/-0.085 χ^2/NDF: 10331.1/65

- sign 33.073+/-0.120 χ^2/NDF: 5375.1/33

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.223+/-0.006 χ^2/NDF:309.1/15

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

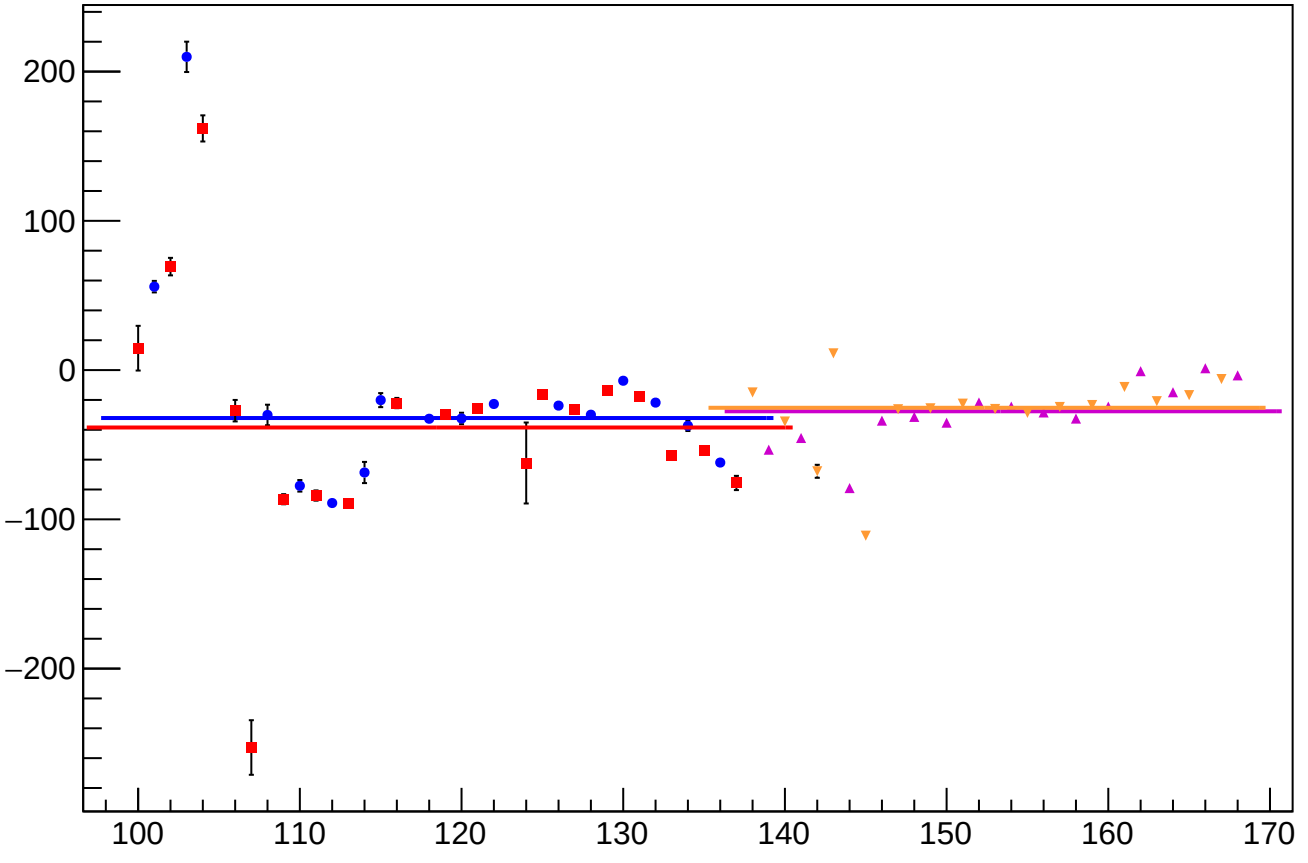
Left In: 0.178+/-0.006 χ^2/NDF:695.6/14

+ sign 0.198+/-0.006 χ^2/NDF: 1057.8/31

All: 0.174+/-0.004 χ^2/NDF: 2861.5/65

- sign 0.150+/-0.006 χ^2/NDF: 1767.3/33

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -25.253+/-0.718 χ^2/NDF:1064.9/15

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

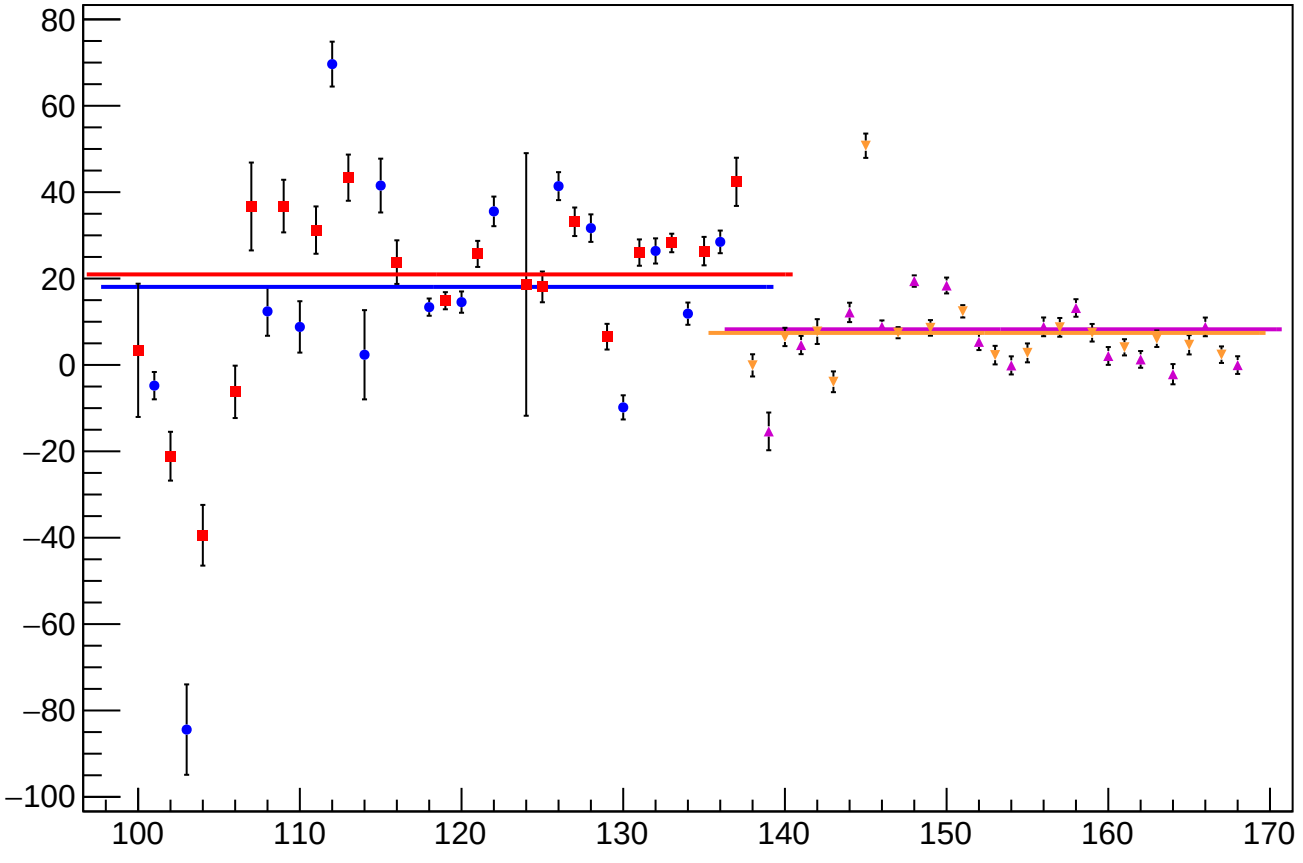
Left In: -27.602+/-0.720 χ^2/NDF:811.1/14

+ sign -28.139+/-0.546 χ^2/NDF: 2980.8/31

All: -30.071+/-0.389 χ^2/NDF: 5882.9/65

- sign -32.053+/-0.553 χ^2/NDF: 2876.8/33

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 7.416+/-0.494 χ^2/NDF:303.0/15

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

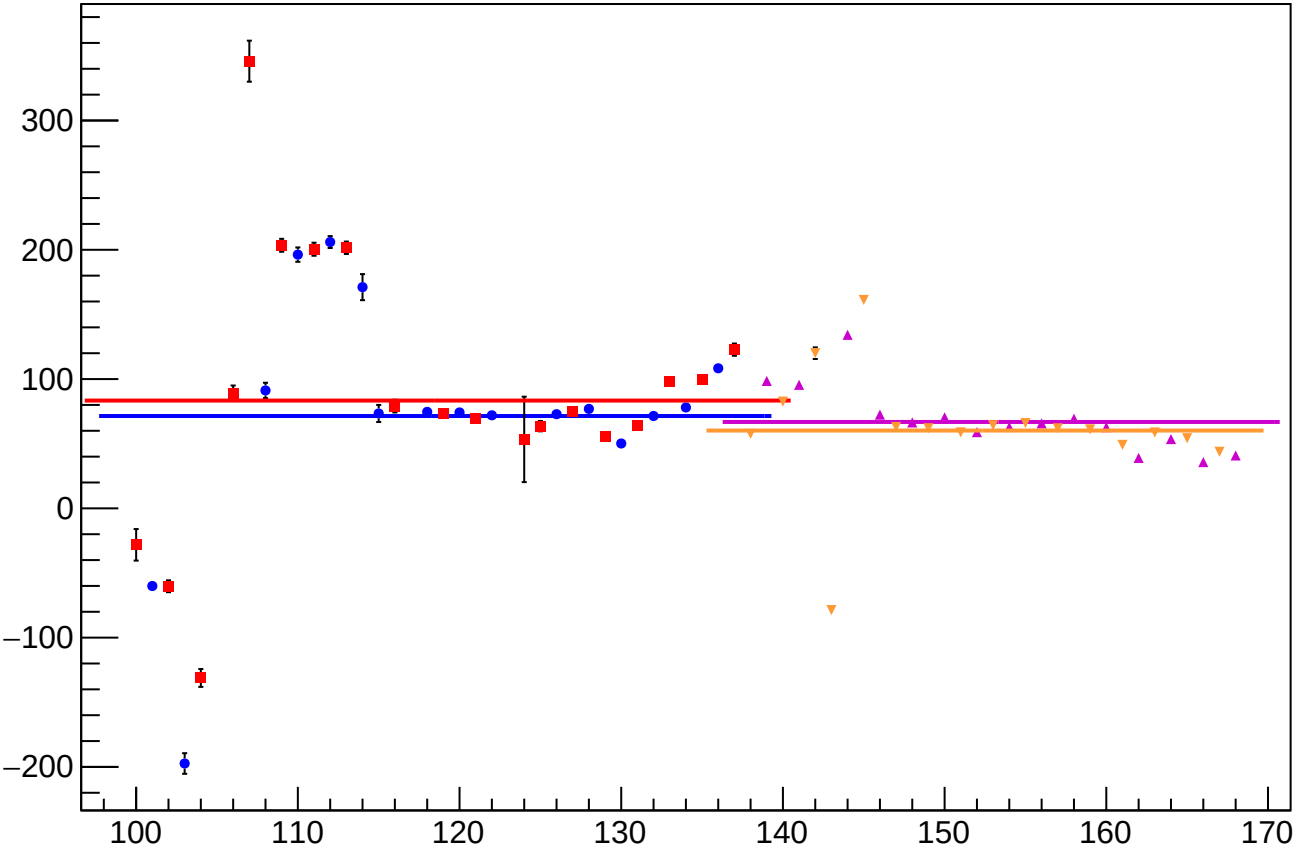
Left In: 8.248+/-0.506 χ^2/NDF:219.8/14

+ sign 10.238+/-0.423 χ^2/NDF: 925.8/31

All: 10.833+/-0.304 χ^2/NDF: 1572.3/65

- sign 11.467+/-0.437 χ^2/NDF: 642.4/33

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 60.190+/-0.699 χ^2/NDF:2964.7/15

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

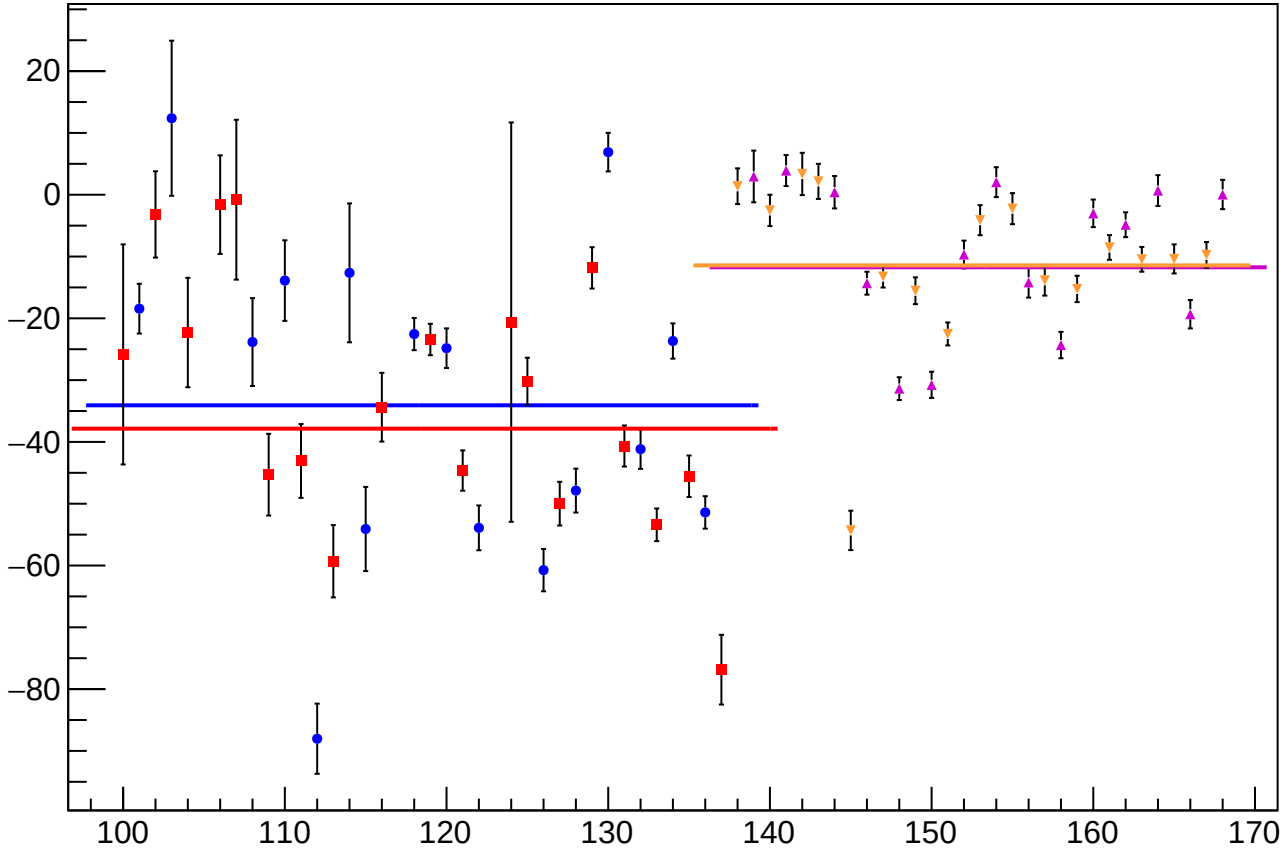
Left In: 66.824+/-0.699 χ^2/NDF:1132.6/14

+ sign 64.239+/-0.559 χ^2/NDF: 7877.3/31

All: 68.226+/-0.399 χ^2/NDF: 13598.8/65

- sign 72.374+/-0.570 χ^2/NDF: 5617.8/33

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.436+/-0.575 χ^2/NDF:324.5/15

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

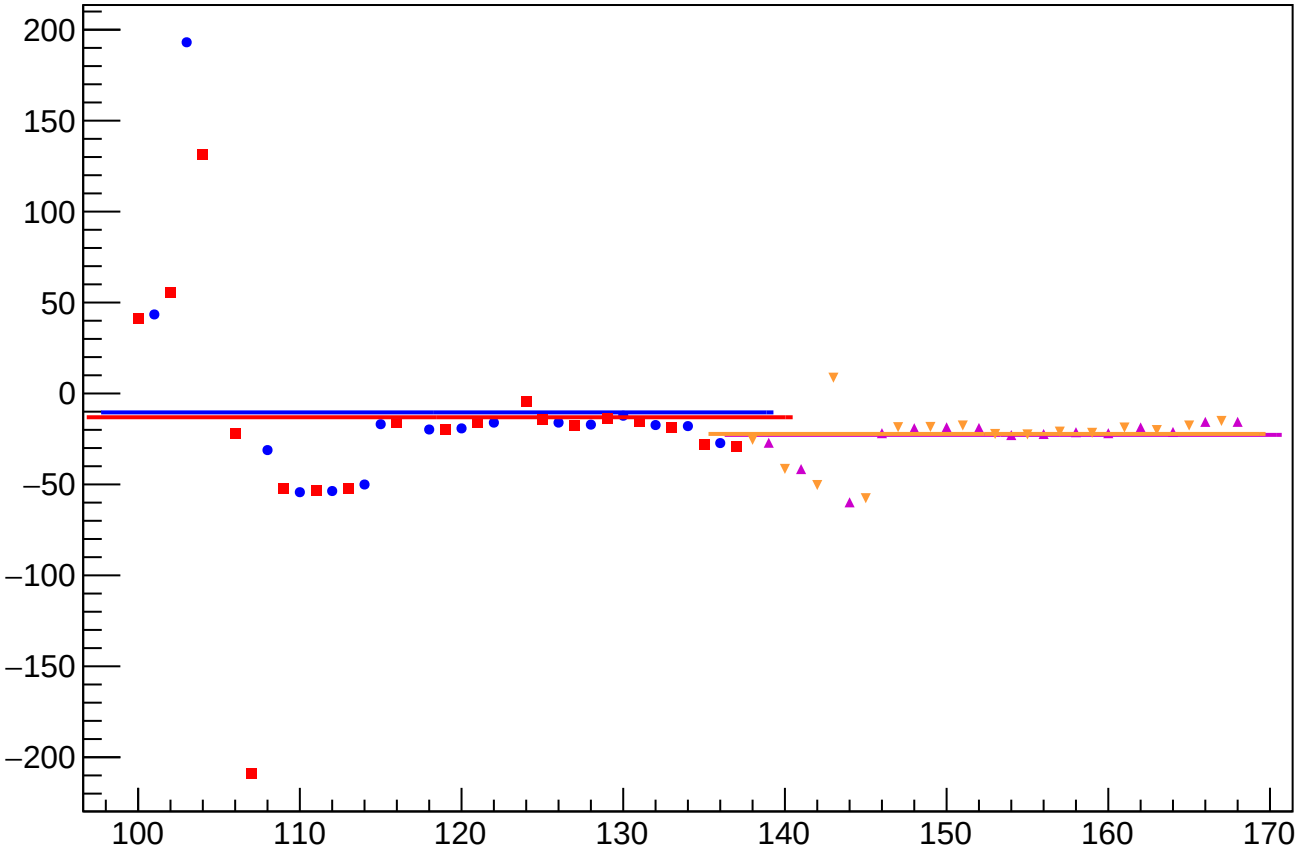
Left In: -11.743+/-0.587 χ^2/NDF:425.8/14

+ sign -17.581+/-0.491 χ^2/NDF: 1256.4/31

All: -18.028+/-0.352 χ^2/NDF: 2470.3/65

- sign -18.502+/-0.506 χ^2/NDF: 1212.1/33

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -22.240+/-0.026 χ^2/NDF:190952.2/15

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

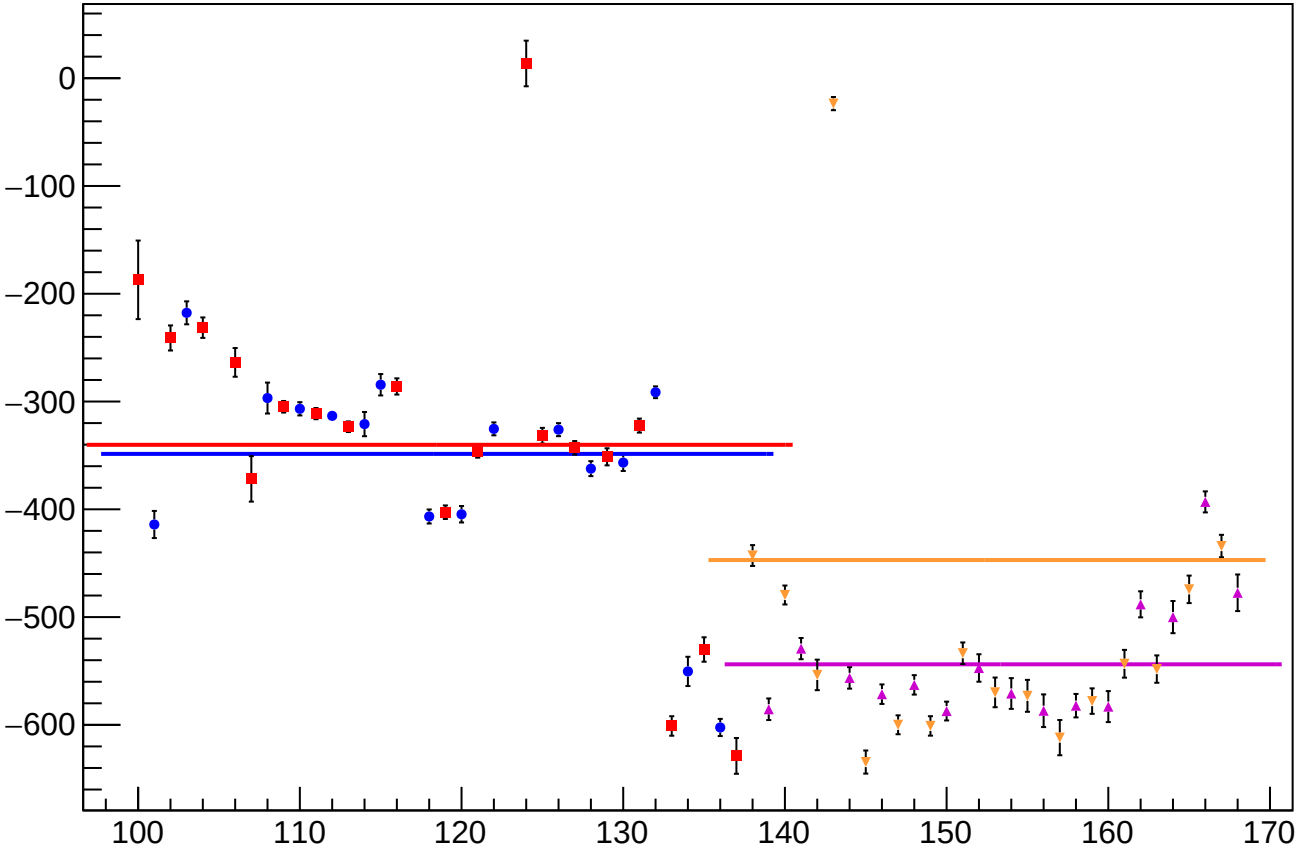
Left In: -22.761+/-0.026 χ^2/NDF:114926.8/14

+ sign -20.149+/-0.024 χ^2/NDF: 749040.1/31

All: -20.732+/-0.017 χ^2/NDF: 1335168.9/65

- sign -21.326+/-0.024 χ^2/NDF: 584924.4/33

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -447.068+/-2.604 χ^2/NDF:6332.3/15

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

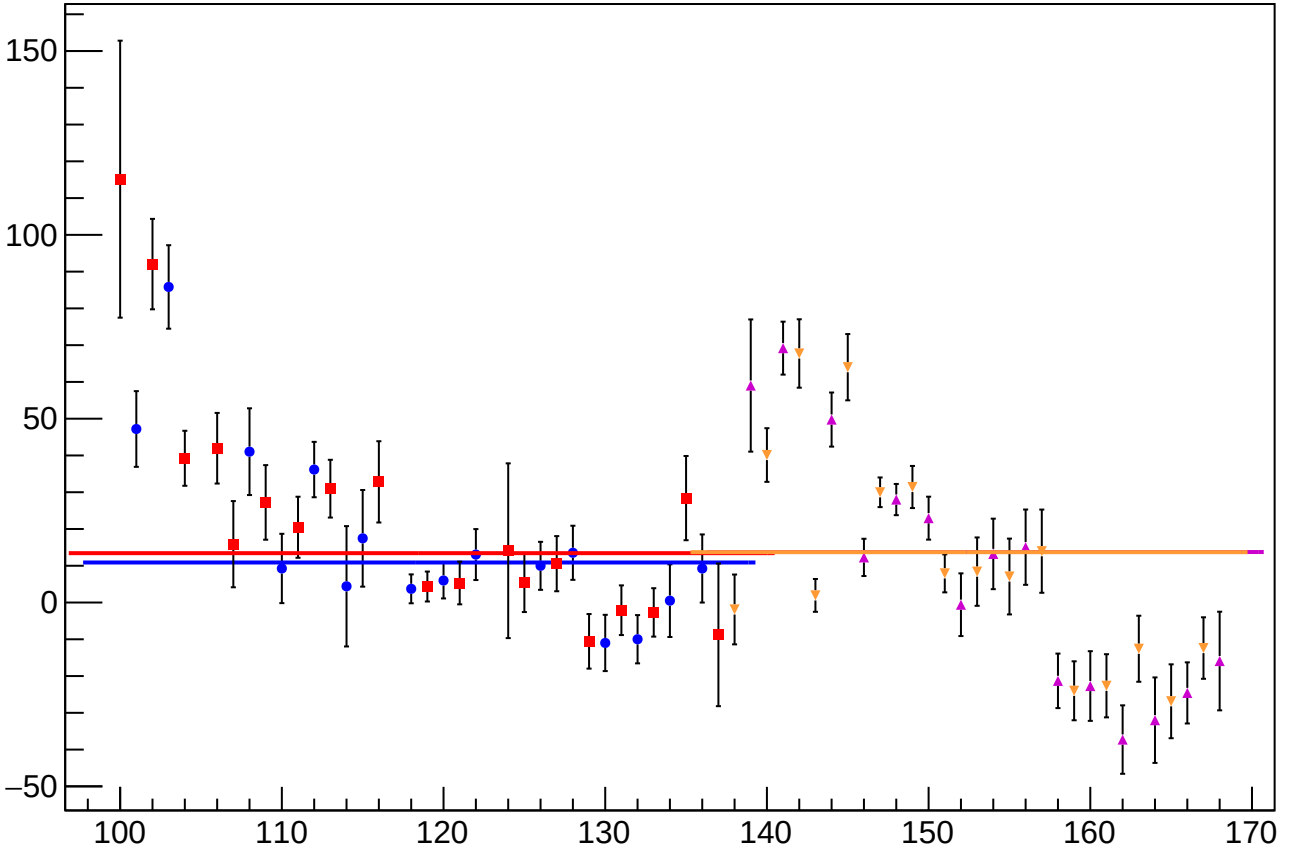
Left In: -543.811+/-2.864 χ^2/NDF:374.8/14

\+ sign -381.024+/-1.494 χ^2/NDF: 9150.1/31

All: -388.461+/-1.058 χ^2/NDF: 15443.3/65

\- sign -395.947+/-1.499 χ^2/NDF: 6243.5/33

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 13.699+/-1.747 χ^2/NDF:190.1/15

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

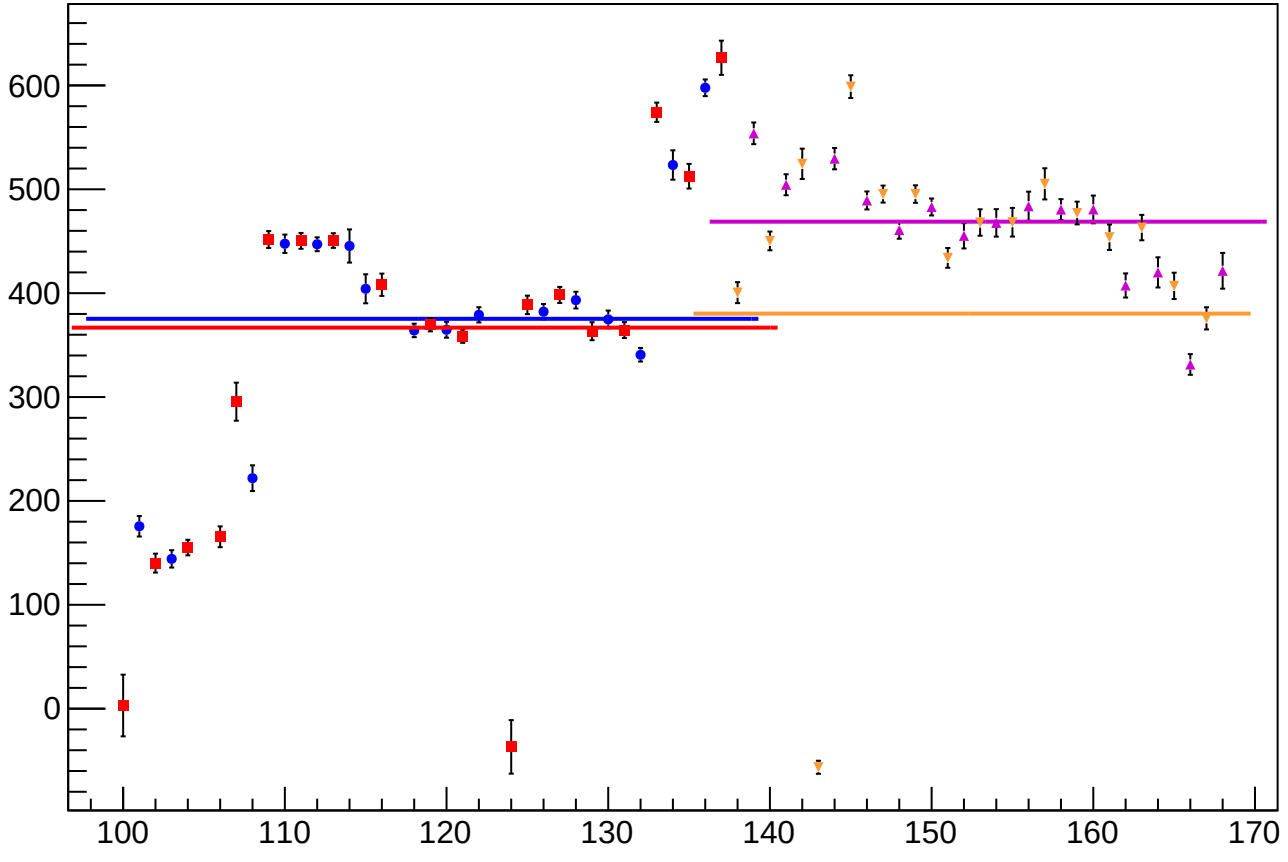
Left In: 13.736+/-1.935 χ^2/NDF:215.1/14

+ sign 12.369+/-1.268 χ^2/NDF: 289.5/31

All: 12.939+/-0.921 χ^2/NDF: 617.5/65

- sign 13.575+/-1.339 χ^2/NDF: 327.5/33

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 380.327+/-2.558 χ^2/NDF:6107.6/15

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

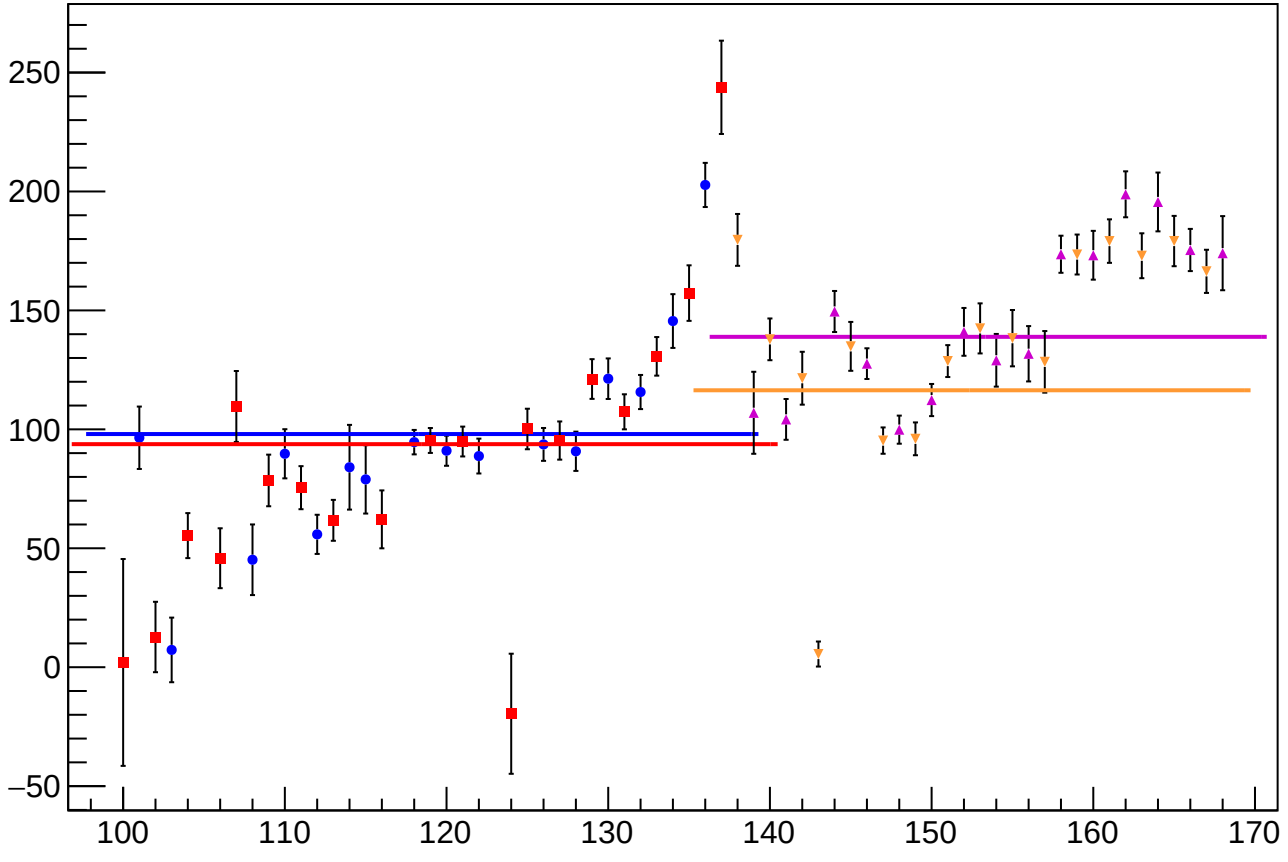
Left In: 468.842+/-2.778 χ^2/NDF:365.2/14

+ sign 377.340+/-1.624 χ^2/NDF: 8559.4/31

All: 389.867+/-1.157 χ^2/NDF: 13459.7/65

- sign 402.782+/-1.649 χ^2/NDF: 4779.5/33

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 116.419+/-2.078 χ^2/NDF:718.6/15

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

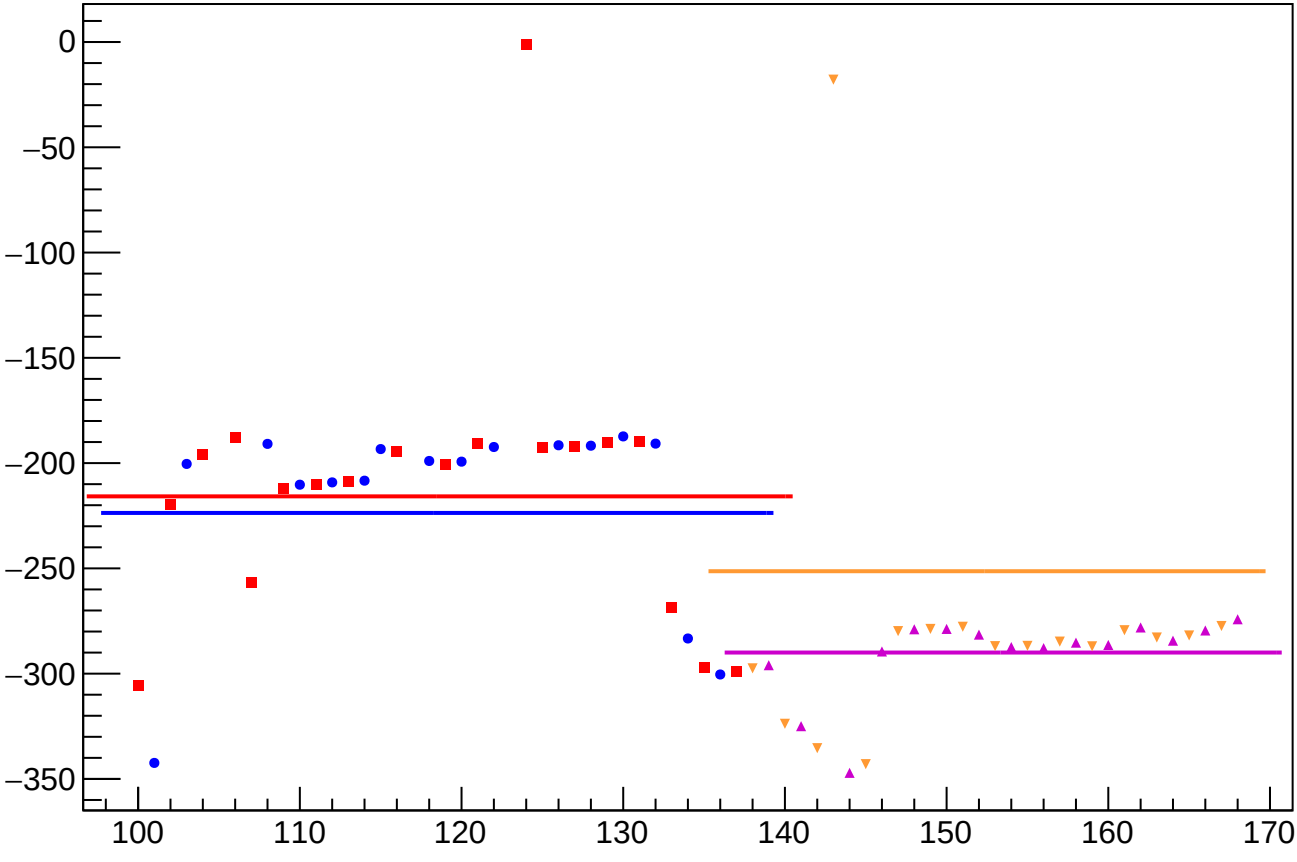
Left In: 138.888+/-2.292 χ^2/NDF:197.2/14

+ sign 107.507+/-1.492 χ^2/NDF: 1006.1/31

All: 110.970+/-1.080 χ^2/NDF: 1658.9/65

- sign 114.771+/-1.563 χ^2/NDF: 641.6/33

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -251.352+/-0.100 χ^2/NDF:968307.8/15

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

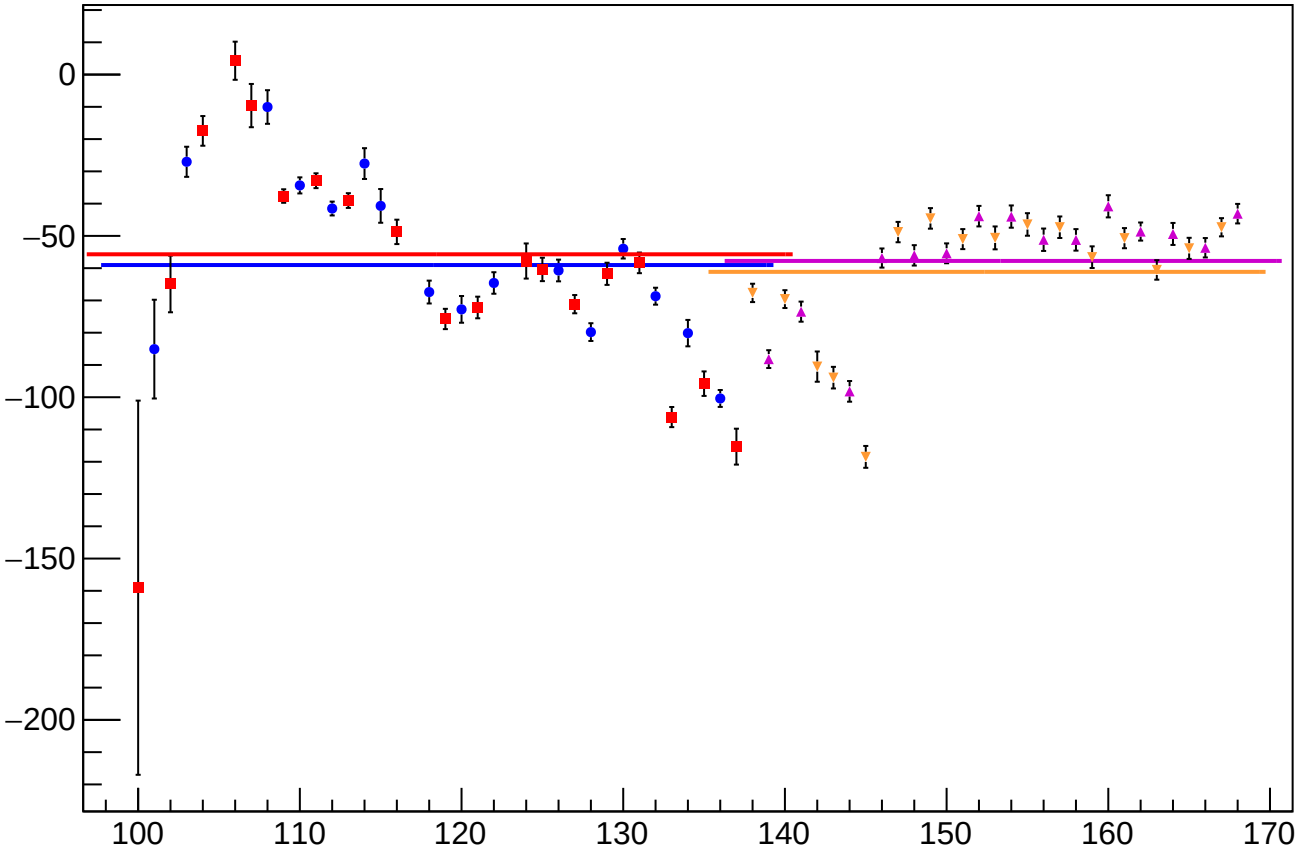
Left In: -289.974+/-0.107 χ^2/NDF:27896.1/14

+ sign -241.843+/-0.081 χ^2/NDF: 1116151.2/31

All: -251.298+/-0.058 χ^2/NDF: 1440859.3/65

- sign -261.326+/-0.083 χ^2/NDF: 296660.0/33

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -61.143+/-0.803 χ^2/NDF:574.8/15

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

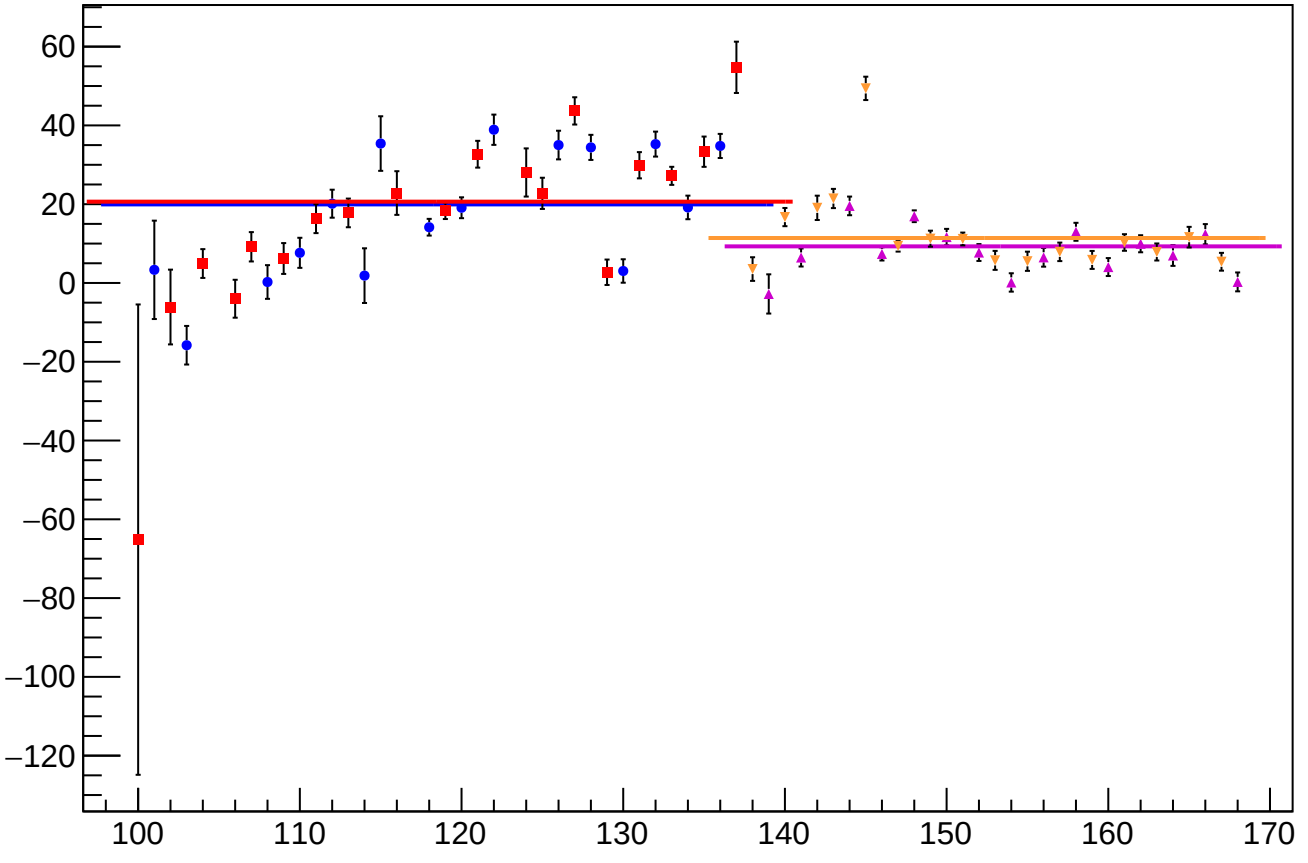
Left In: -57.758+/-0.810 χ^2/NDF:415.3/14

+ sign -60.120+/-0.577 χ^2/NDF: 1305.5/31

All: -58.378+/-0.404 χ^2/NDF: 2783.2/65

- sign -56.704+/-0.566 χ^2/NDF: 1459.8/33

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 11.415+/-0.553 χ^2/NDF:231.1/15

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

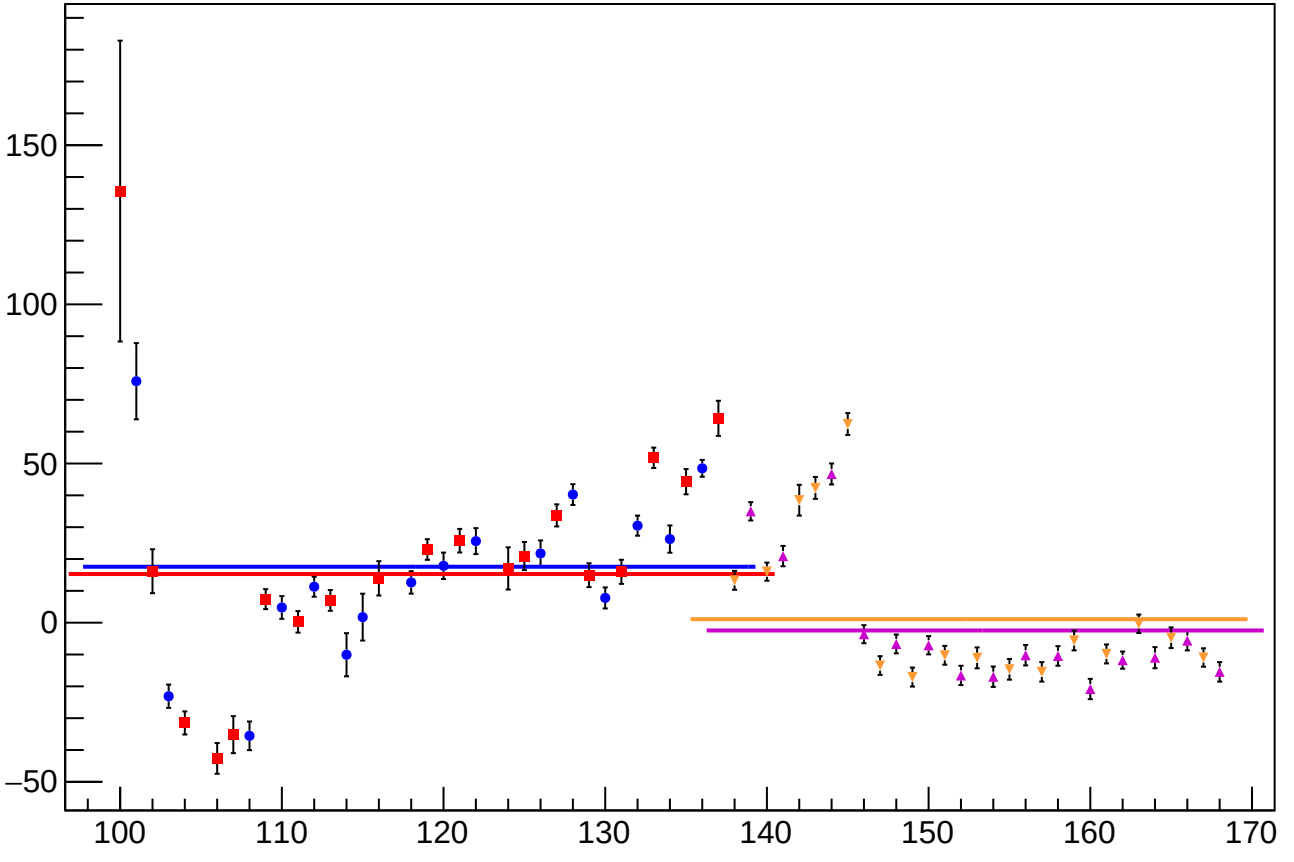
Left In: 9.292+/-0.569 χ^2/NDF:96.9/14

+ sign 13.878+/-0.466 χ^2/NDF: 547.0/31

All: 13.363+/-0.331 χ^2/NDF: 995.6/65

- sign 12.836+/-0.471 χ^2/NDF: 446.1/33

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 1.101+/-0.782 χ^2/NDF:747.8/15

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

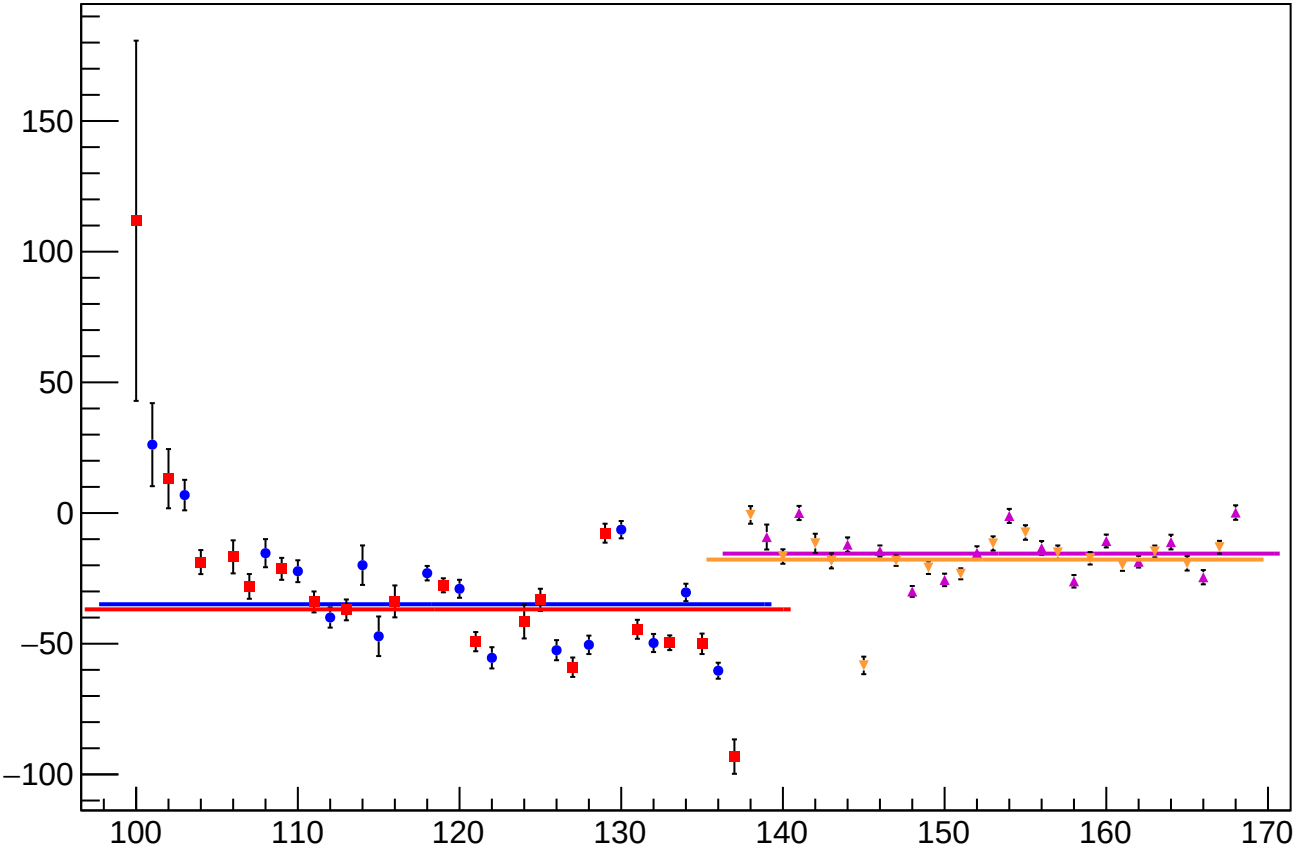
Left In: -2.450+/-0.786 χ^2/NDF:575.3/14

+ sign 7.702+/-0.606 χ^2/NDF: 1471.7/31

All: 6.293+/-0.427 χ^2/NDF: 2998.8/65

- sign 4.904+/-0.601 χ^2/NDF: 1516.3/33

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.808+/-0.644 χ^2/NDF:209.3/15

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

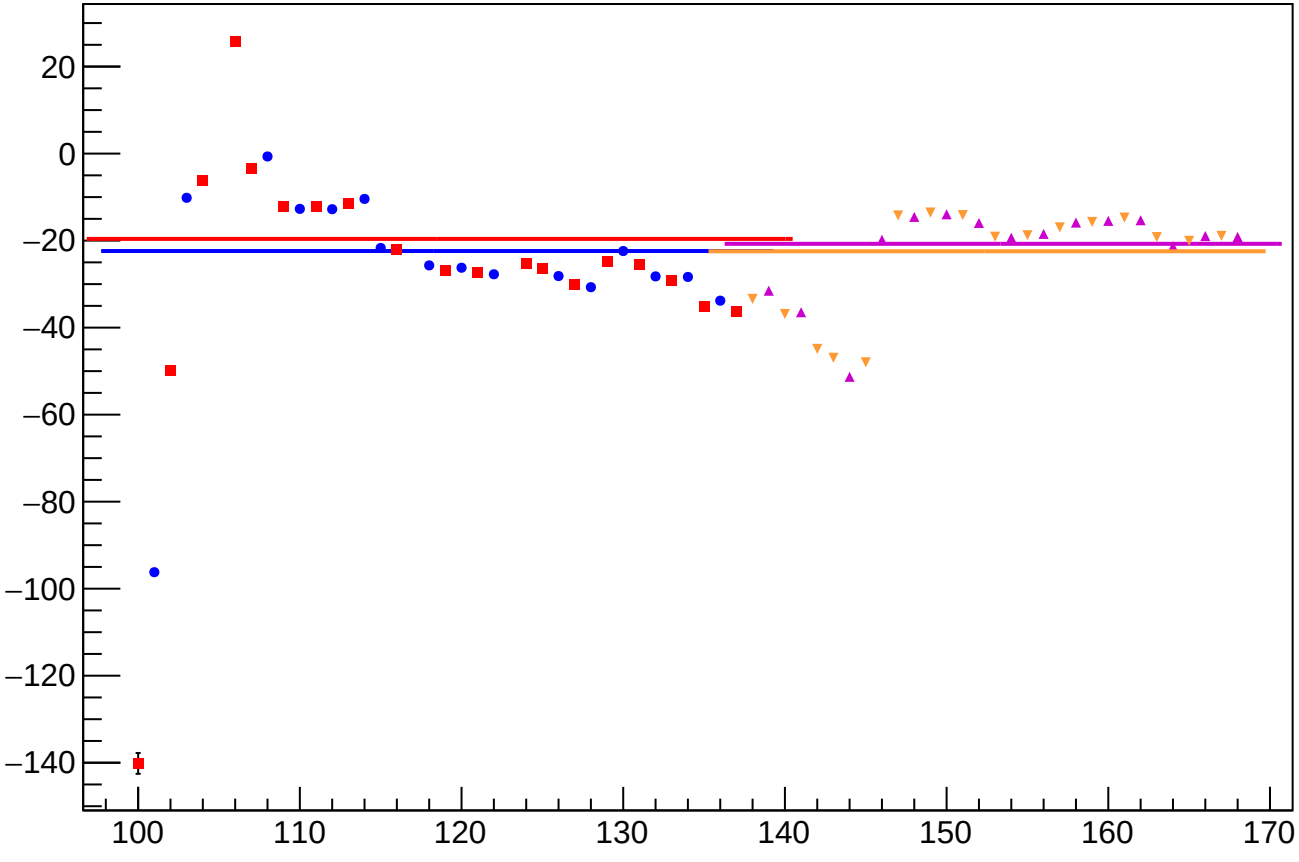
Left In: -15.527+/-0.660 χ^2/NDF:202.5/14

+ sign -22.885+/-0.540 χ^2/NDF: 765.3/31

All: -22.585+/-0.384 χ^2/NDF: 1600.6/65

- sign -22.278+/-0.545 χ^2/NDF: 834.6/33

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -22.449+/-0.029 χ^2/NDF:130796.4/15

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

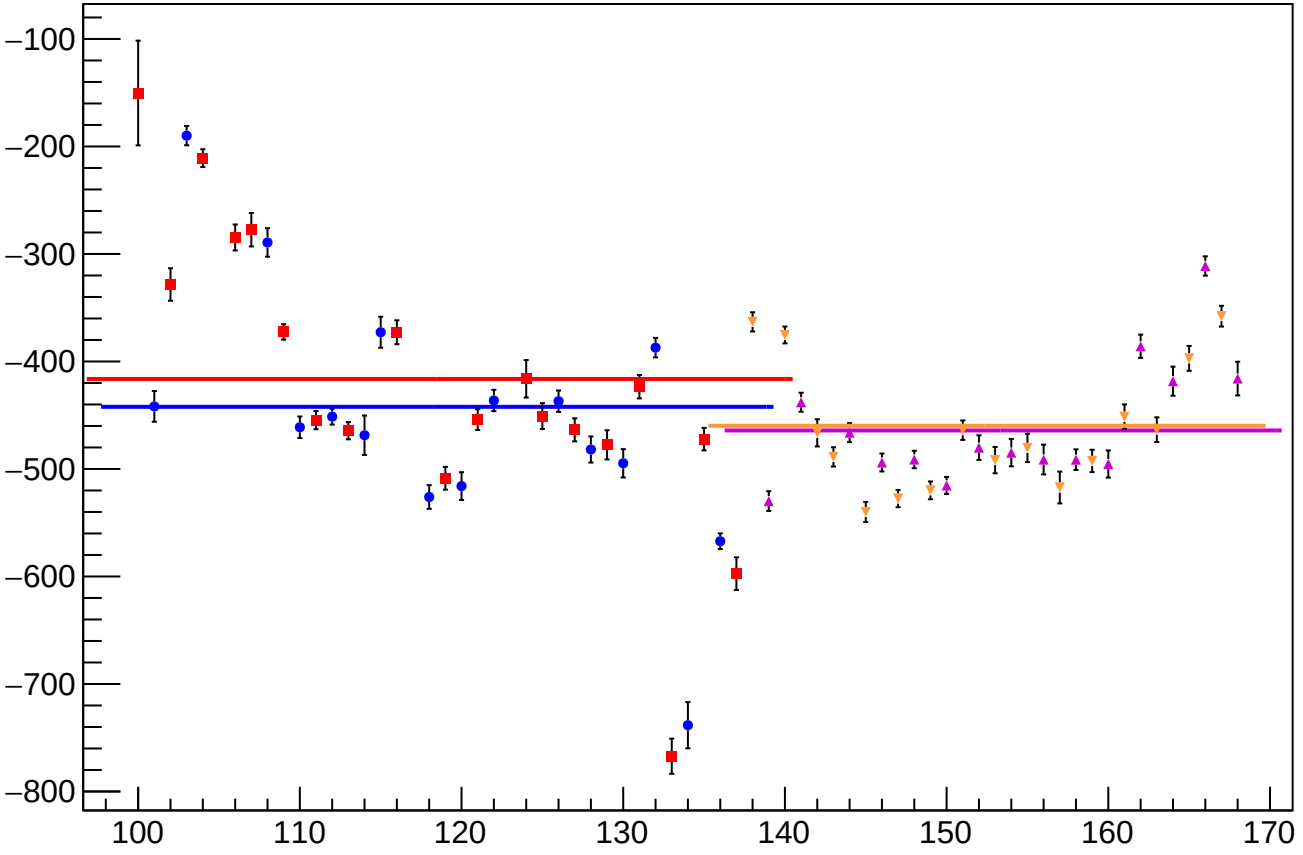
Left In: -20.738+/-0.029 χ^2/NDF:84873.3/14

+ sign -22.437+/-0.026 χ^2/NDF: 177316.7/31

All: -21.477+/-0.019 χ^2/NDF: 349016.5/65

- sign -20.516+/-0.026 χ^2/NDF: 169030.8/33

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -459.774+/-2.493 χ^2/NDF:616.9/15

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

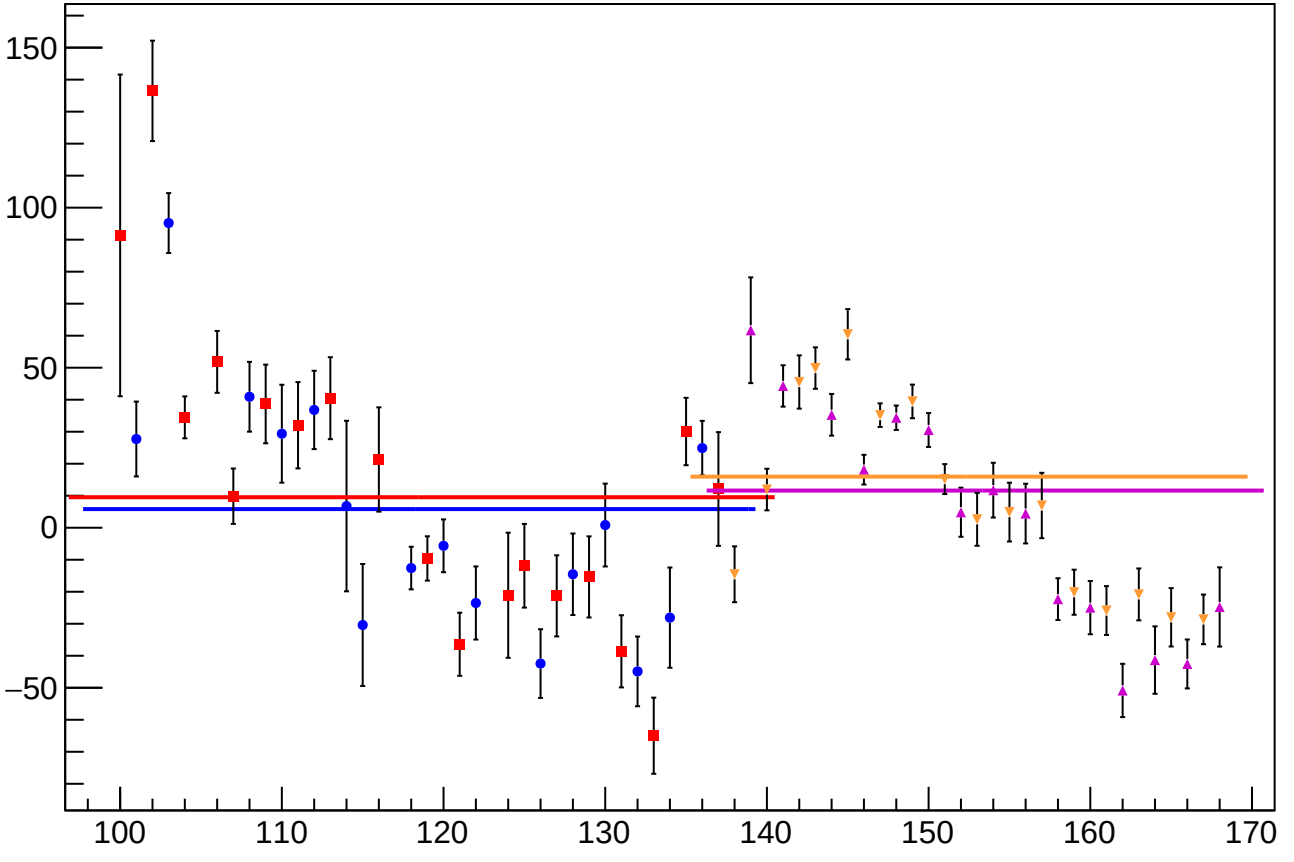
Left In: -464.153+/-2.583 χ^2/NDF:512.3/14

+ sign -451.619+/-1.826 χ^2/NDF: 2229.1/31

All: -445.557+/-1.284 χ^2/NDF: 4693.0/65

- sign -439.634+/-1.805 χ^2/NDF: 2442.1/33

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 15.957+/-1.657 χ^2/NDF:269.9/15

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

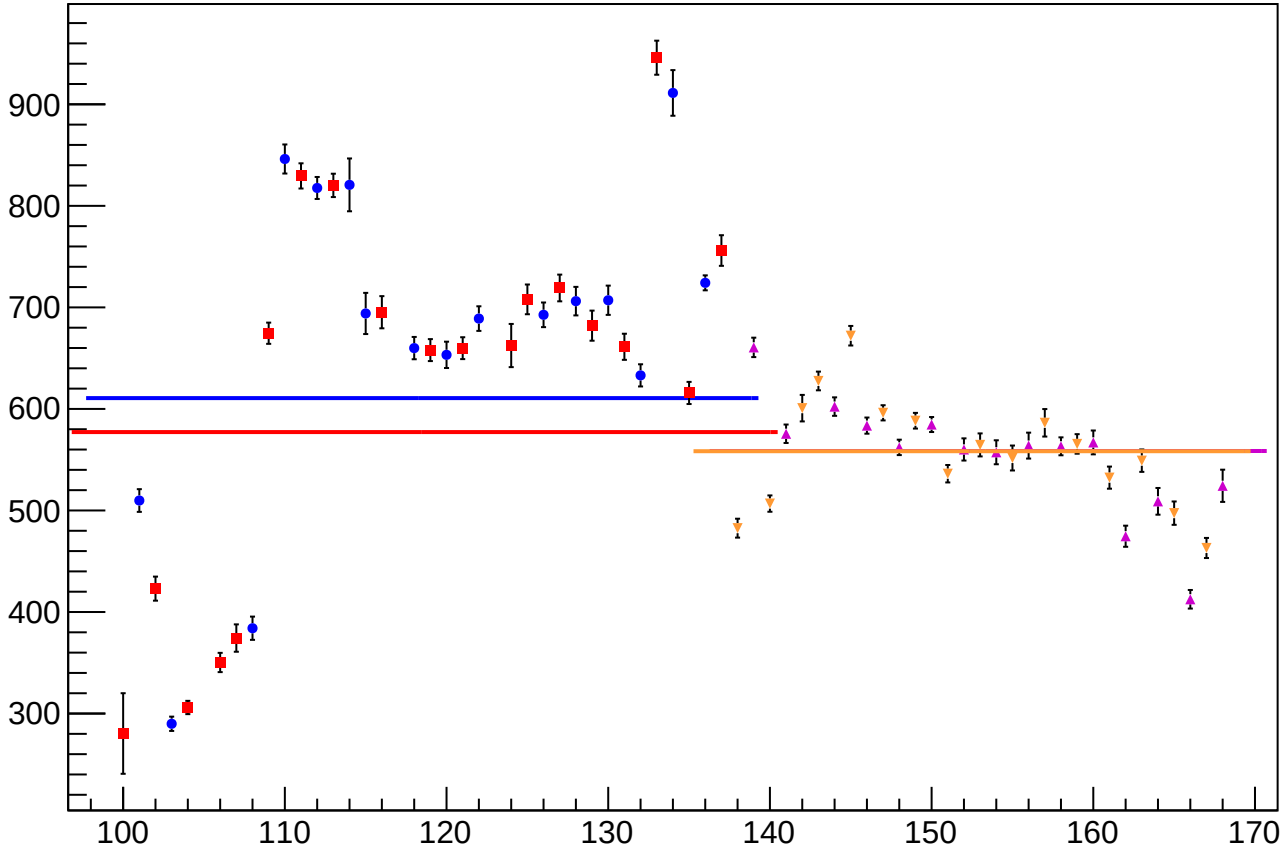
Left In: 11.615+/-1.743 χ^2/NDF:286.4/14

+ sign 13.226+/-1.416 χ^2/NDF: 468.1/31

All: 12.109+/-1.010 χ^2/NDF: 978.4/65

- sign 10.955+/-1.440 χ^2/NDF: 509.0/33

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 558.360+/-2.435 χ^2/NDF:493.4/15

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

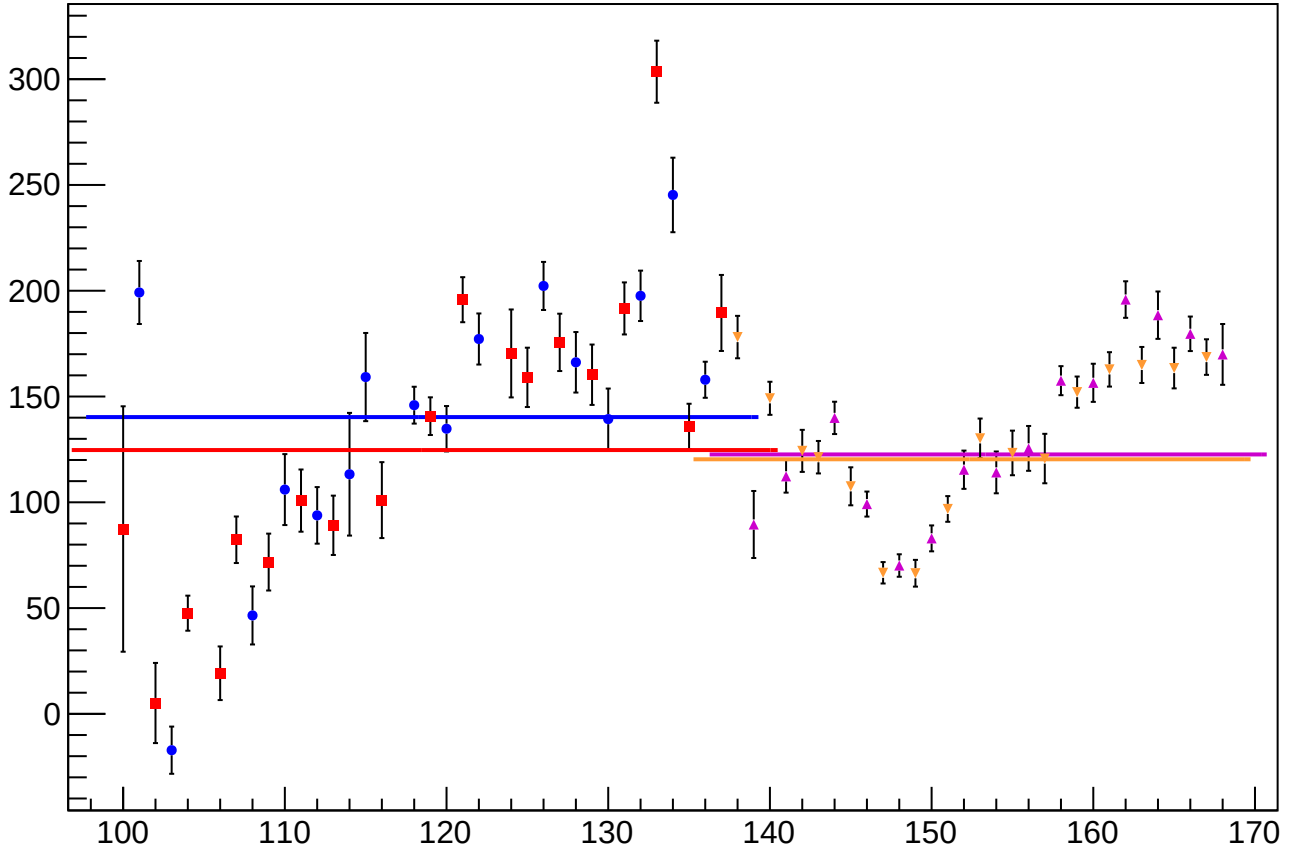
Left In: 558.575+/-2.505 χ^2/NDF:502.6/14

+ sign 580.057+/-1.863 χ^2/NDF: 4577.3/31

All: 573.498+/-1.314 χ^2/NDF: 9930.0/65

- sign 567.006+/-1.853 χ^2/NDF: 5328.0/33

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 120.331+/-1.972 χ^2/NDF:376.5/15

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

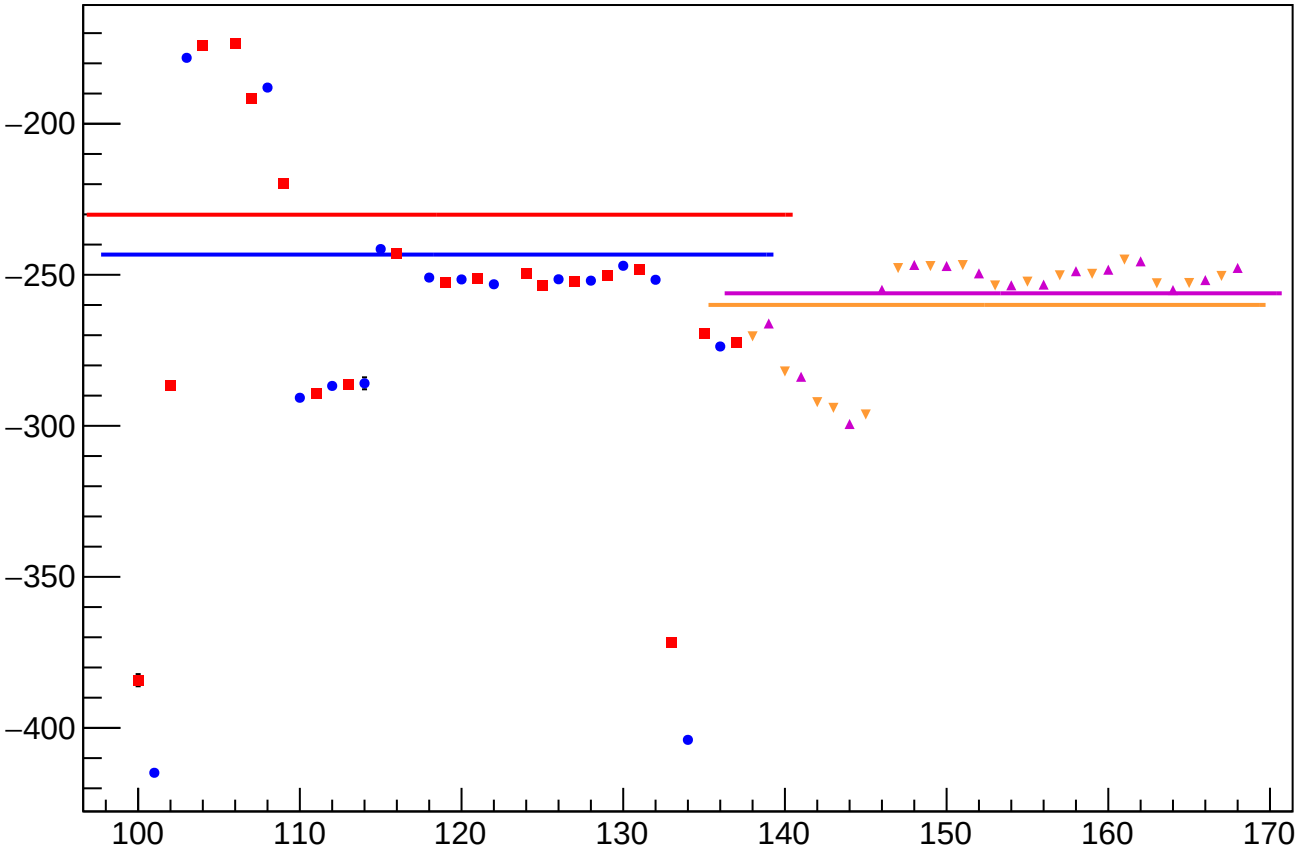
Left In: 122.624+/-2.063 χ^2/NDF:374.2/14

+ sign 125.946+/-1.672 χ^2/NDF: 790.7/31

All: 124.640+/-1.191 χ^2/NDF: 1675.0/65

- sign 123.296+/-1.696 χ^2/NDF: 883.0/33

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -259.971+/-0.095 χ^2/NDF:34337.2/15

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

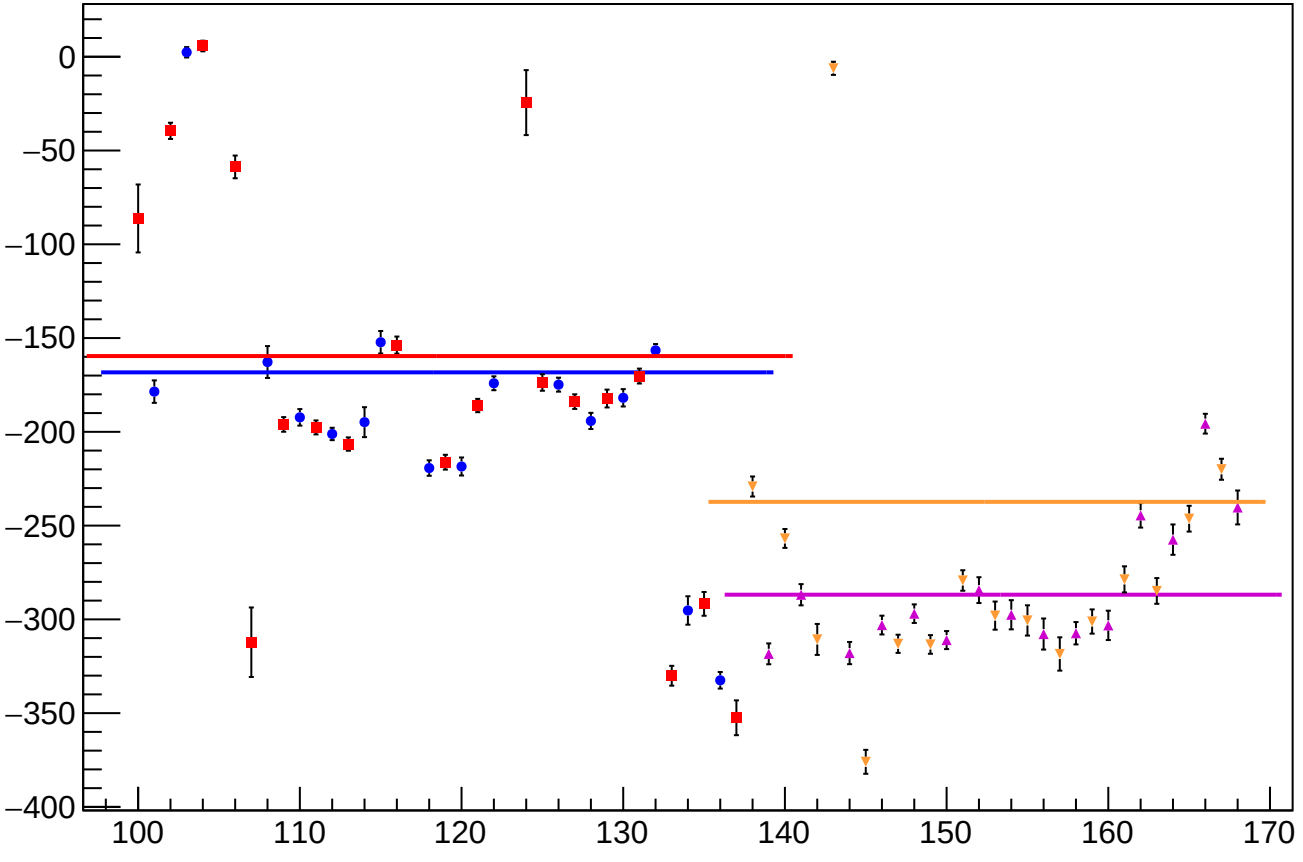
Left In: -256.129+/-0.096 χ^2/NDF:21949.0/14

+ sign -255.755+/-0.082 χ^2/NDF: 215678.1/31

All: -252.421+/-0.058 χ^2/NDF: 363335.1/65

- sign -249.070+/-0.082 χ^2/NDF: 144322.9/33

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -237.339+/-1.449 χ^2/NDF:5845.8/15

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

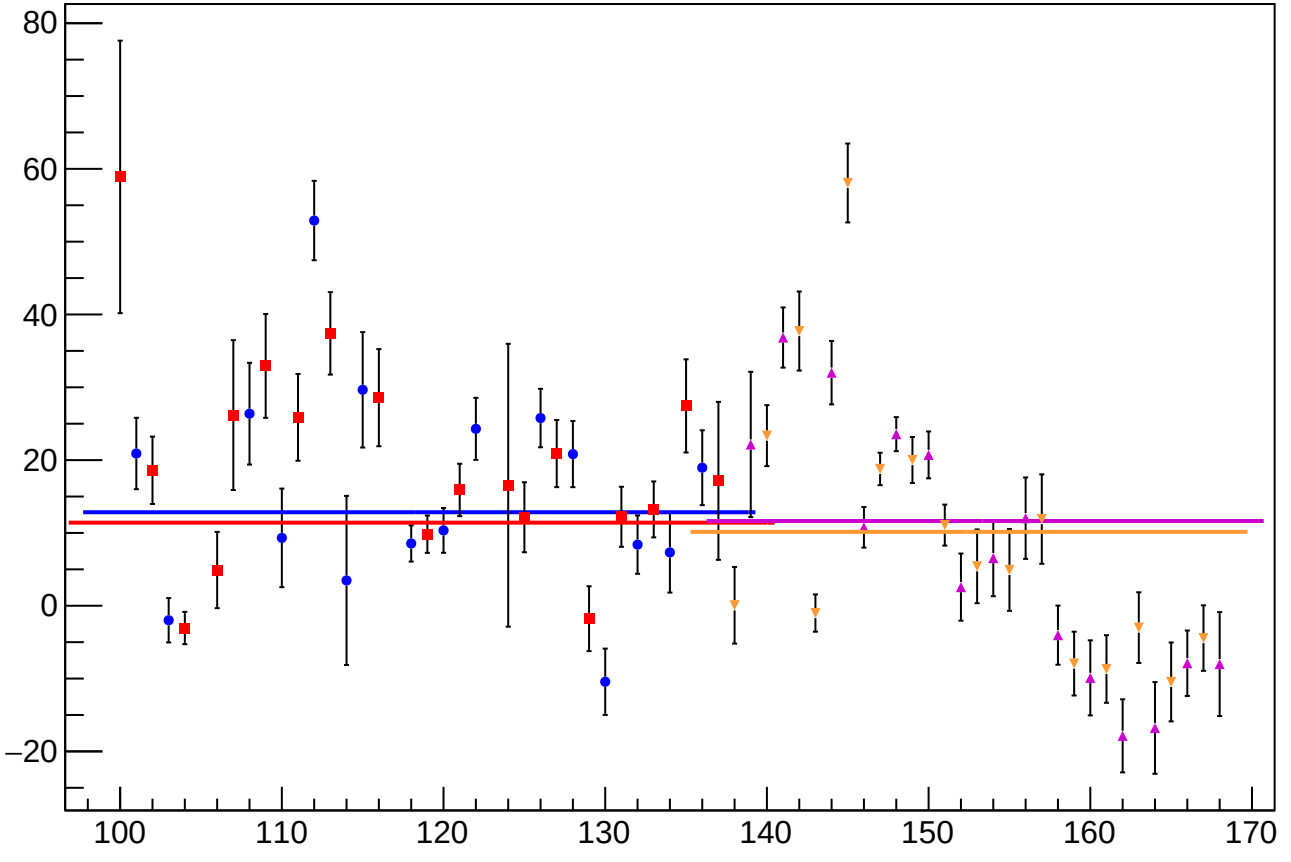
Left In: -286.845+/-1.582 χ^2/NDF:505.2/14

+ sign -192.817+/-0.864 χ^2/NDF: 13216.7/31

All: -195.448+/-0.613 χ^2/NDF: 25449.7/65

- sign -198.120+/-0.870 χ^2/NDF: 12214.3/33

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 10.150+/-0.970 χ^2/NDF:229.3/15

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

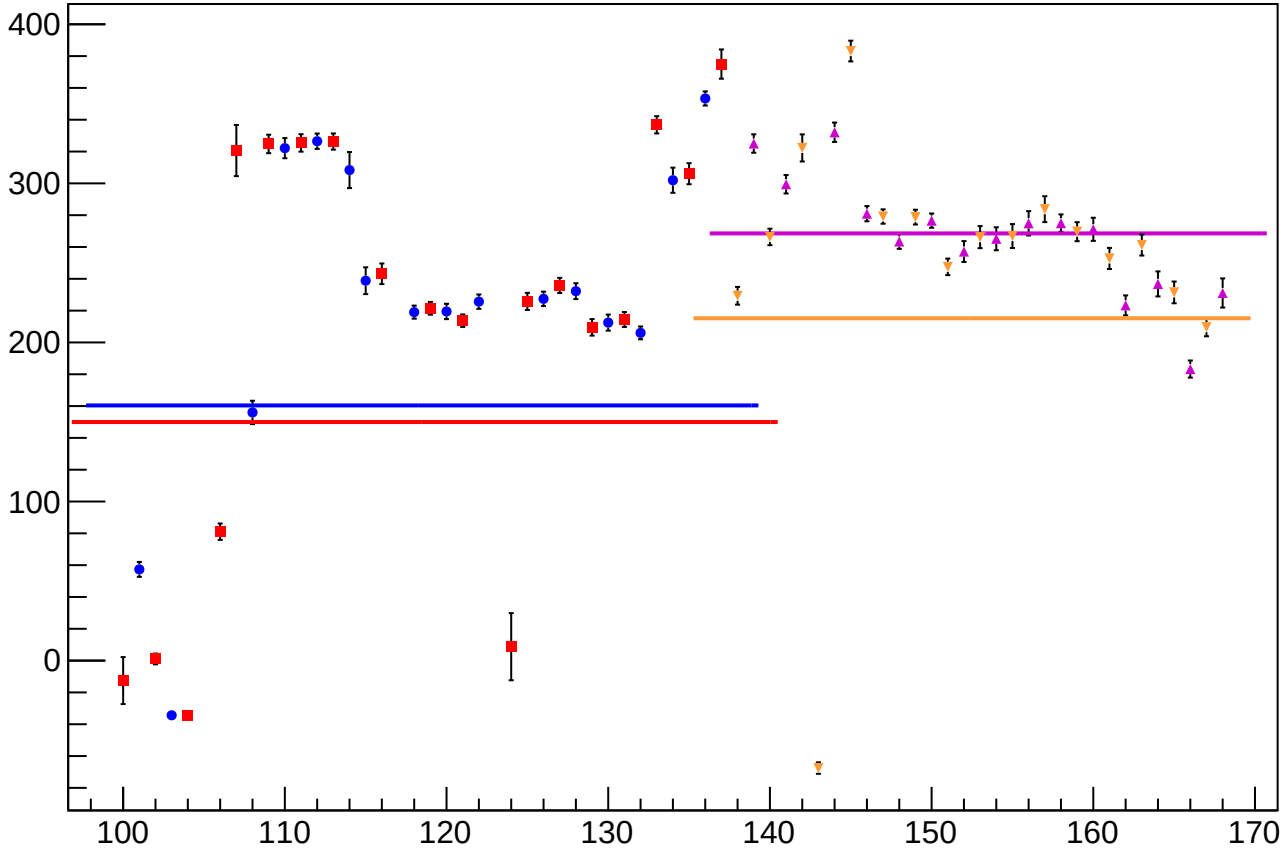
Left In: 11.641+/-1.067 χ^2/NDF:212.8/14

+ sign 11.356+/-0.720 χ^2/NDF: 376.4/31

All: 11.437+/-0.517 χ^2/NDF: 708.8/65

- sign 11.524+/-0.743 χ^2/NDF: 332.4/33

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 215.212+/-1.421 χ^2/NDF:7831.9/15

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

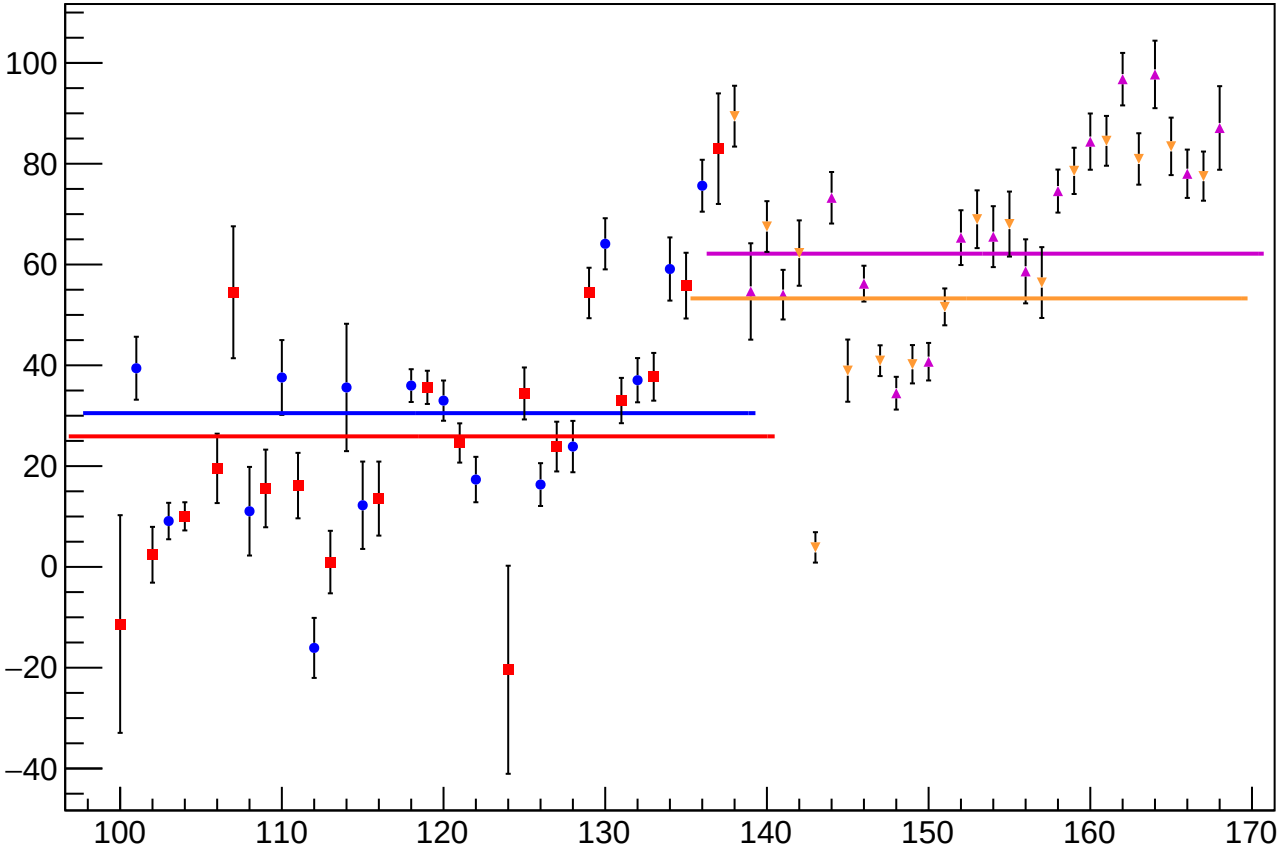
Left In: 268.542+/-1.533 χ^2/NDF:585.3/14

+ sign 181.838+/-0.889 χ^2/NDF: 22687.1/31

All: 186.179+/-0.631 χ^2/NDF: 43518.6/65

- sign 190.604+/-0.897 χ^2/NDF: 20783.3/33

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 53.276+/-1.153 χ^2/NDF:513.3/15

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

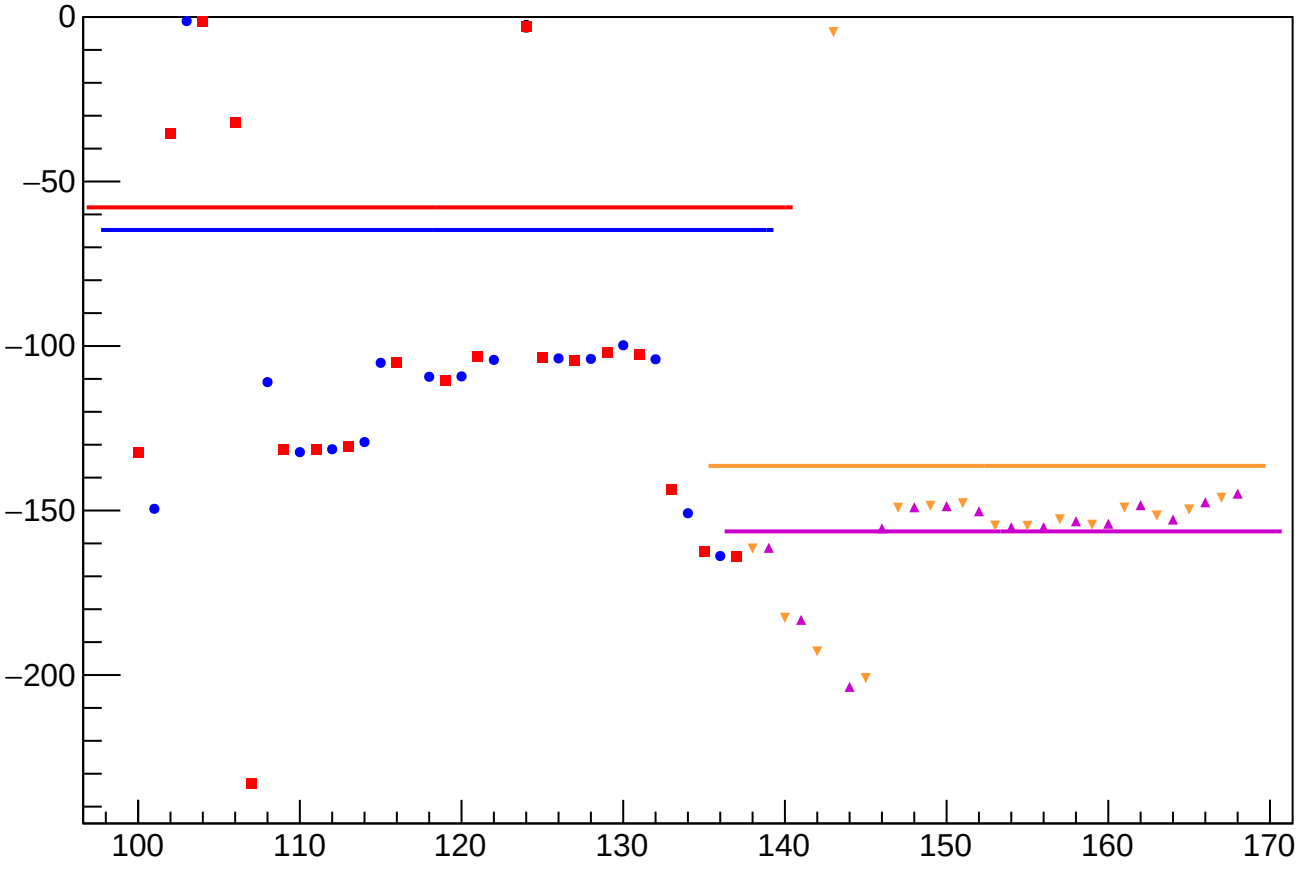
Left In: 62.154+/-1.263 χ^2/NDF:234.2/14

+ sign 42.852+/-0.849 χ^2/NDF: 968.8/31

All: 43.065+/-0.609 χ^2/NDF: 1819.2/65

- sign 43.291+/-0.875 χ^2/NDF: 850.3/33

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -136.431+/-0.055 χ^2/NDF:960293.4/15

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

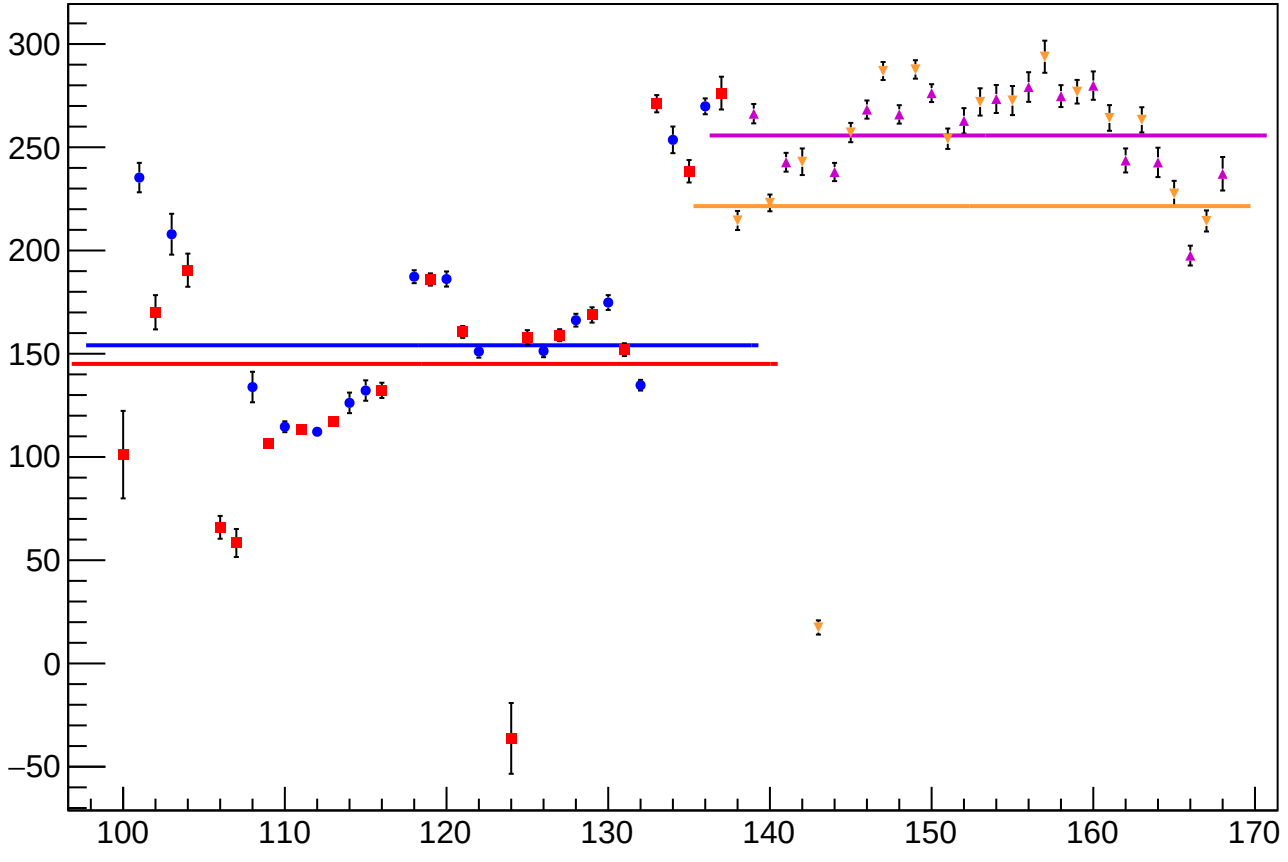
Left In: -156.345+/-0.059 χ^2/NDF:51955.9/14

+ sign -105.598+/-0.042 χ^2/NDF: 2724922.0/31

All: -107.741+/-0.030 χ^2/NDF: 4986834.5/65

- sign -109.967+/-0.043 χ^2/NDF: 2256563.6/33

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 221.492+/-1.278 χ^2/NDF:4457.1/15

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

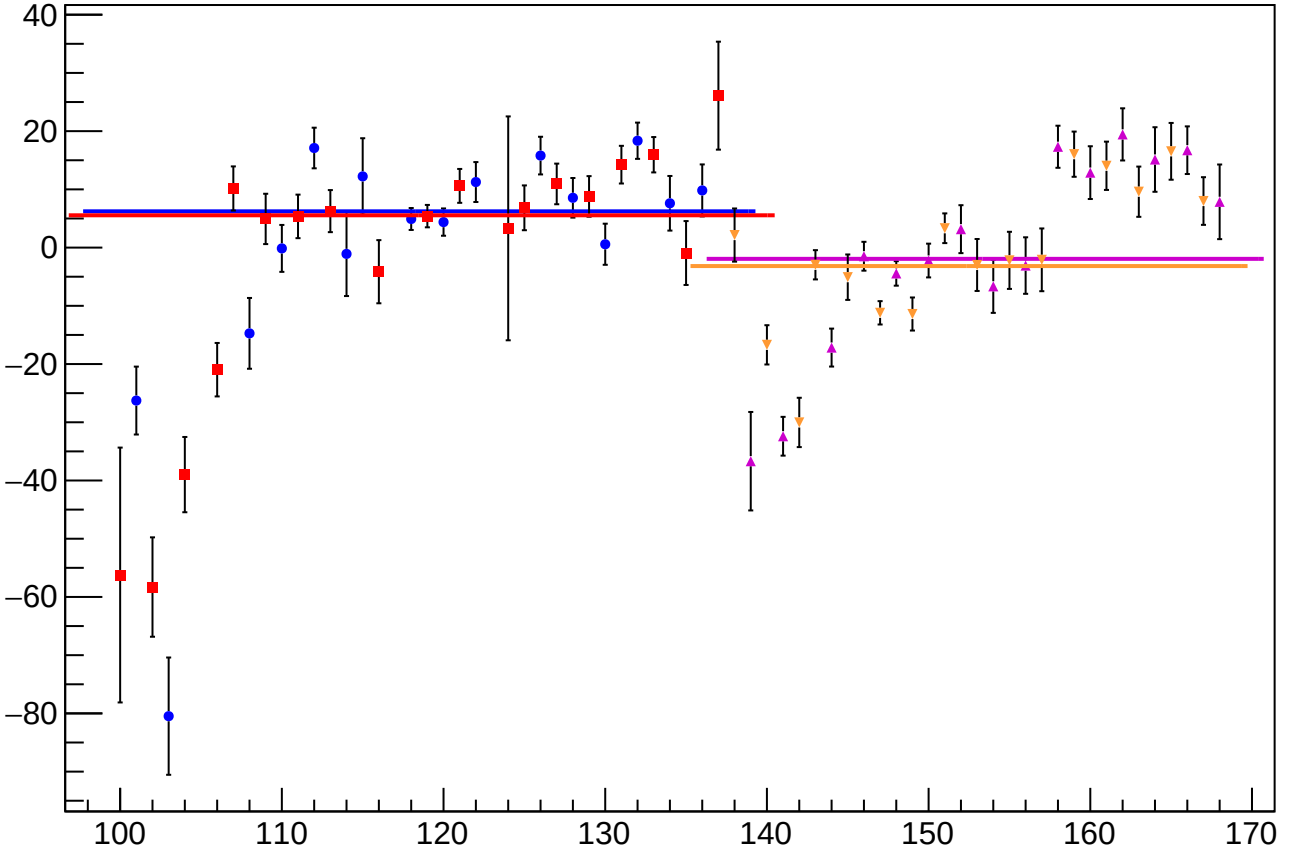
Left In: 255.708+/-1.371 χ^2/NDF:268.8/14

+ sign 175.418+/-0.719 χ^2/NDF: 8640.6/31

All: 174.979+/-0.504 χ^2/NDF: 16646.5/65

- sign 174.553+/-0.707 χ^2/NDF: 8005.2/33

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -3.171+/-0.861 χ^2/NDF:163.2/15

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

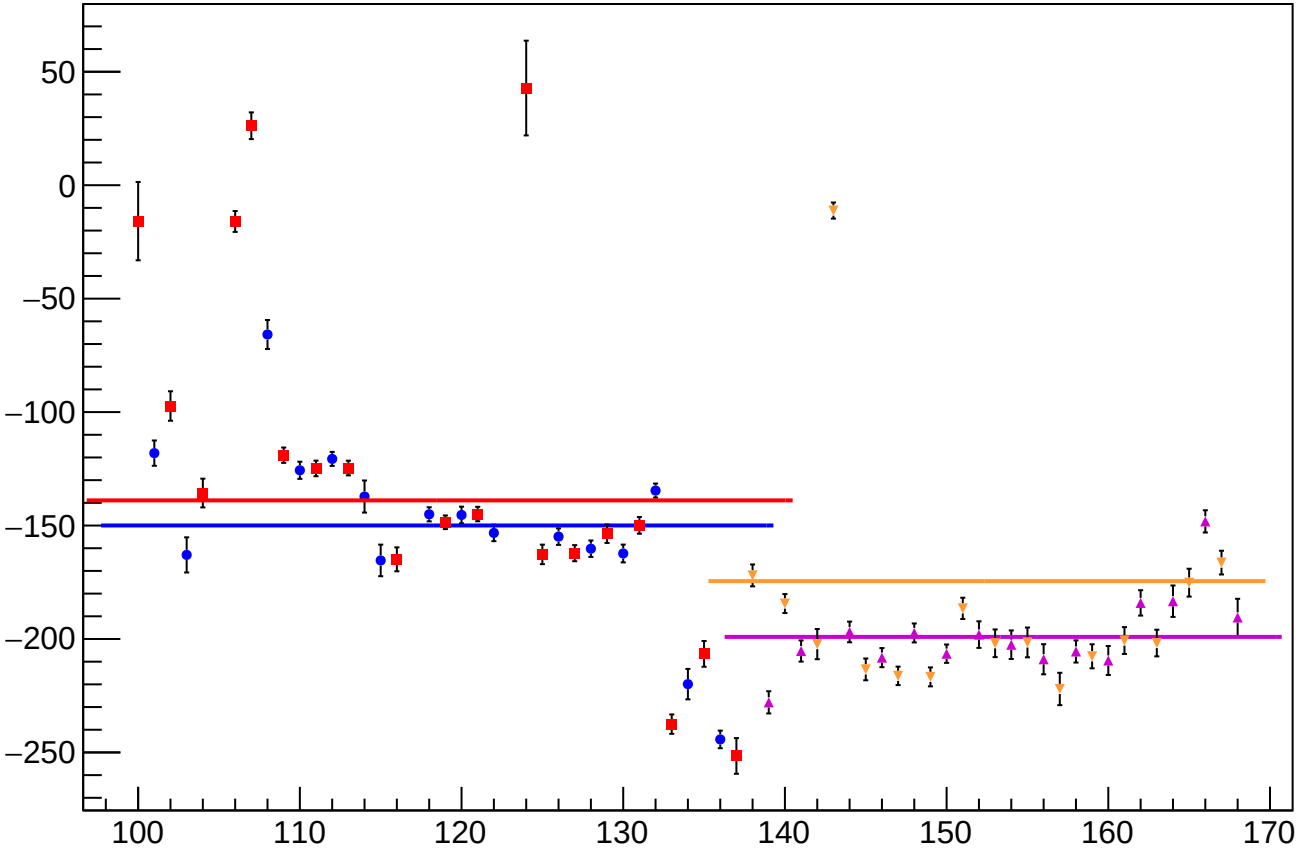
Left In: -1.933+/-0.934 χ^2/NDF:221.0/14

+ sign 1.375+/-0.619 χ^2/NDF: 382.9/31

All: 1.670+/-0.446 χ^2/NDF: 819.1/65

- sign 1.989+/-0.644 χ^2/NDF: 435.8/33

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -174.501+/-1.255 χ^2/NDF:2591.9/15

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

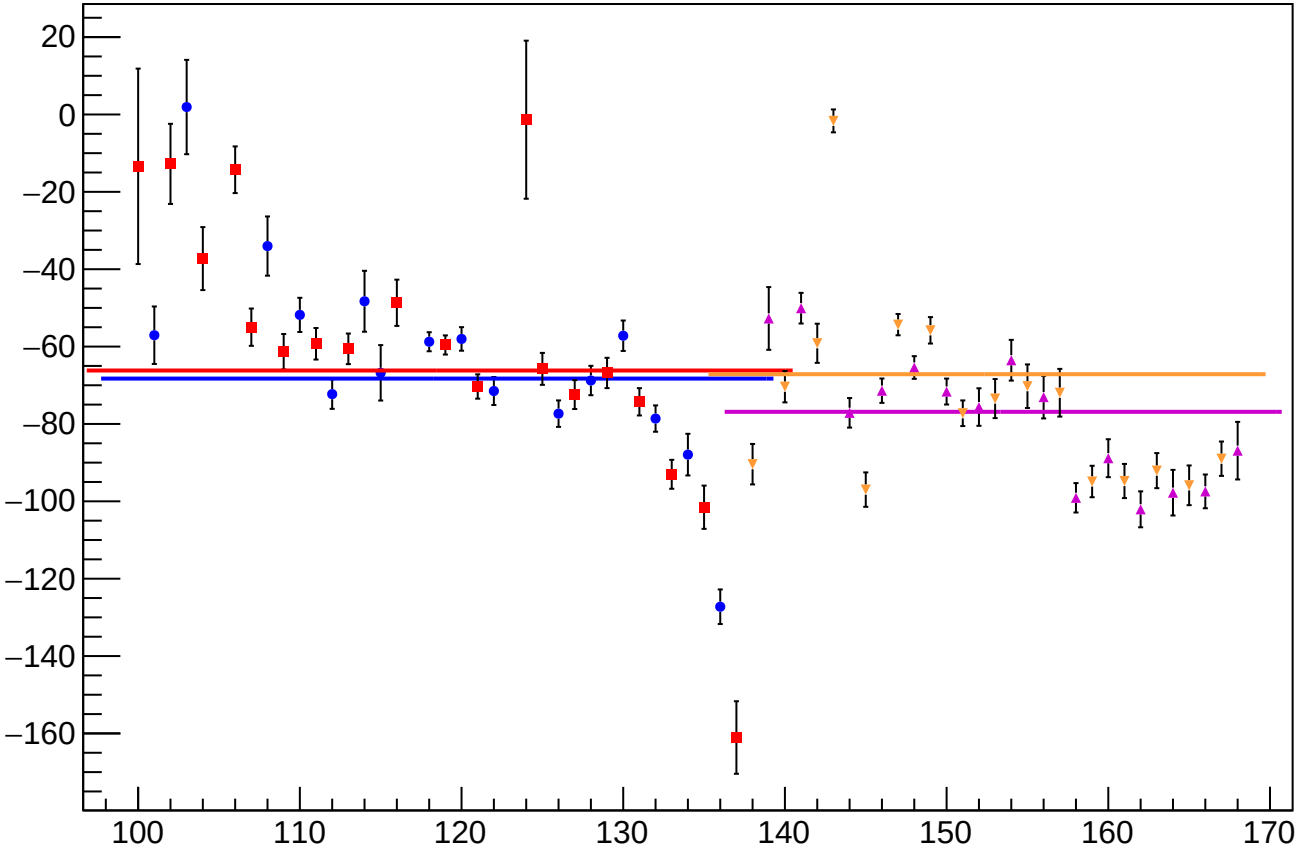
Left In: -199.078+/-1.332 χ^2/NDF:173.5/14

+ sign -159.797+/-0.794 χ^2/NDF: 3920.6/31

All: -160.105+/-0.562 χ^2/NDF: 8156.1/65

- sign -160.415+/-0.796 χ^2/NDF: 4235.2/33

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -67.143+/-1.023 χ^2/NDF:772.4/15

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

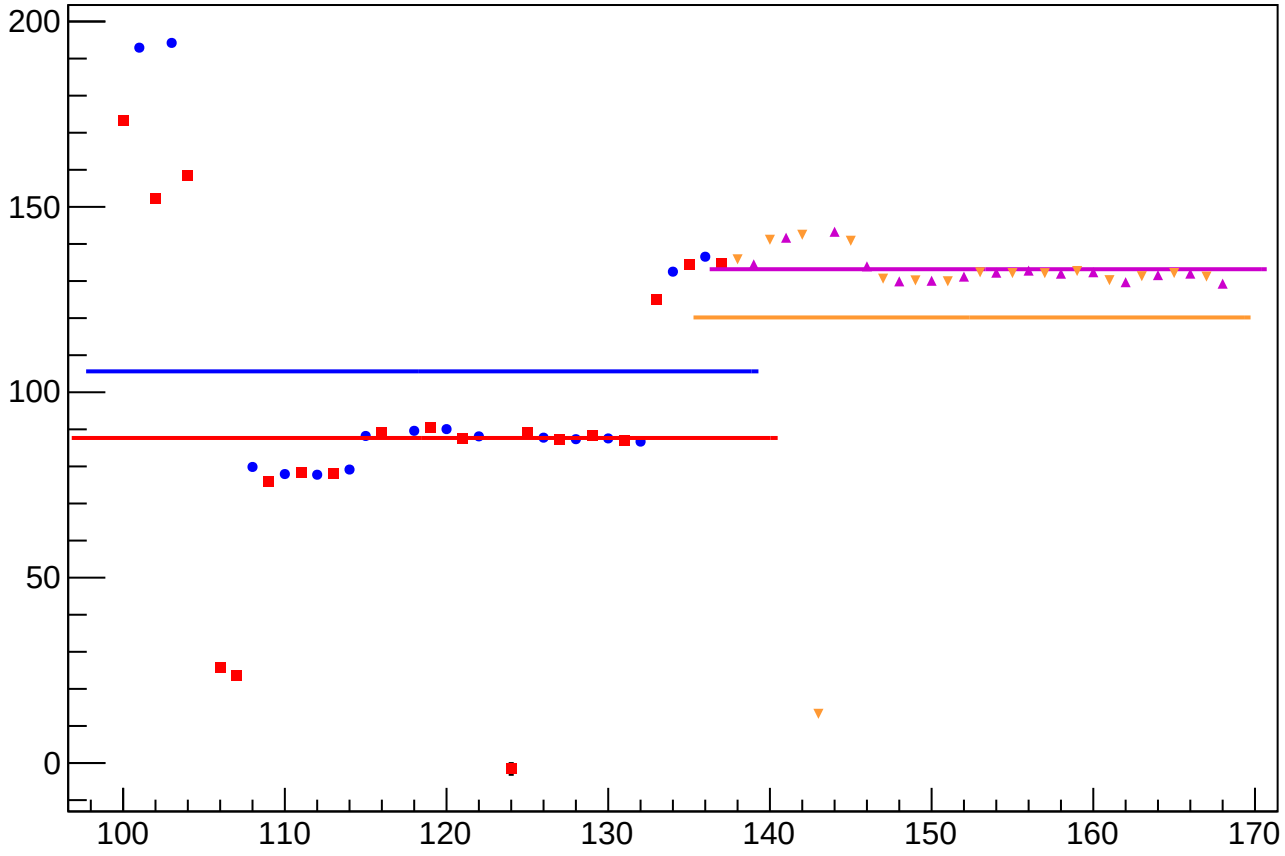
Left In: -76.863+/-1.103 χ^2/NDF:188.5/14

+ sign -67.702+/-0.727 χ^2/NDF: 1088.4/31

All: -69.360+/-0.522 χ^2/NDF: 1696.3/65

- sign -71.127+/-0.750 χ^2/NDF: 597.2/33

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 120.180+/-0.049 χ^2/NDF:600198.2/15

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

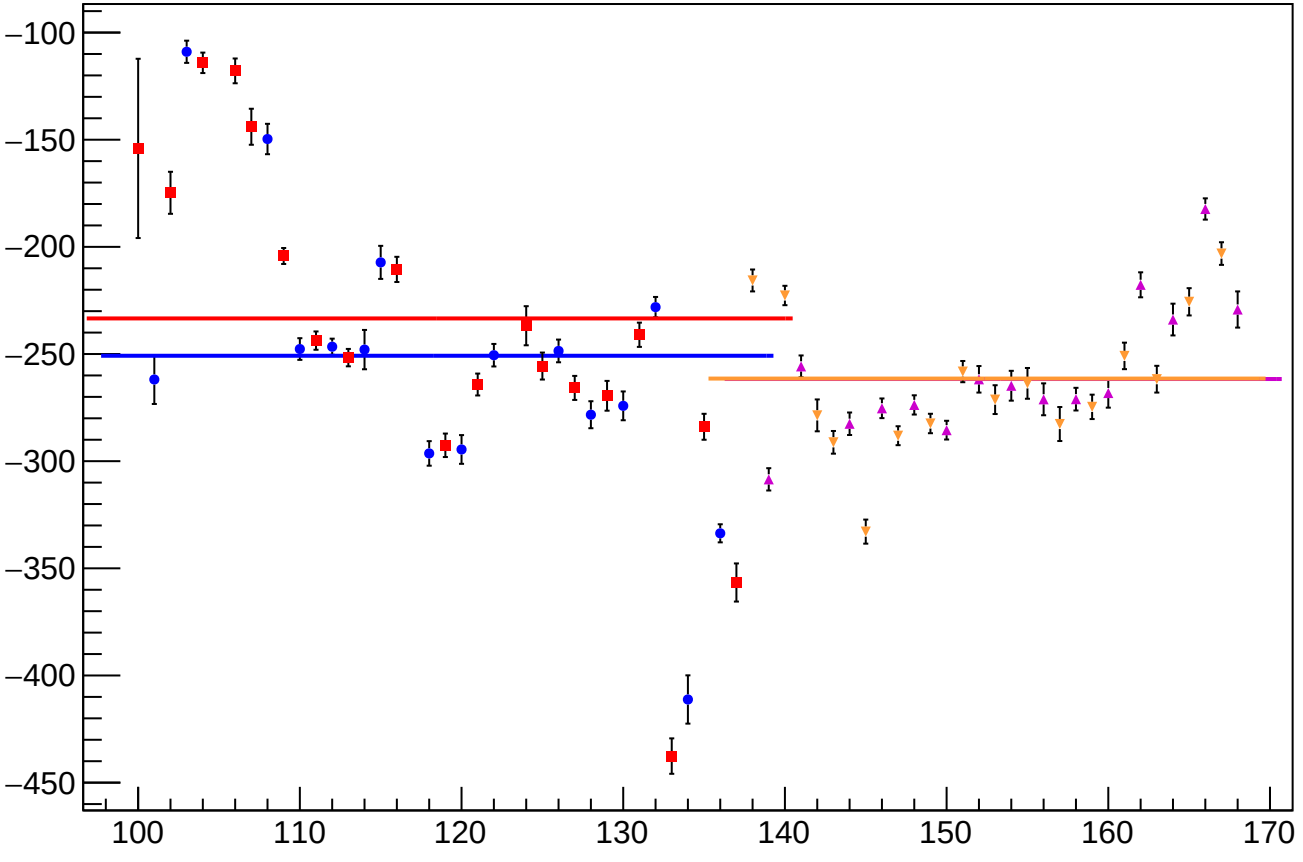
Left In: 133.188+/-0.051 χ^2/NDF:5968.1/14

+ sign 115.485+/-0.040 χ^2/NDF: 868344.4/31

All: 115.746+/-0.028 χ^2/NDF: 1548293.4/65

- sign 116.008+/-0.040 χ^2/NDF: 679864.6/33

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -261.457+/-1.395 χ^2/NDF:582.1/15

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

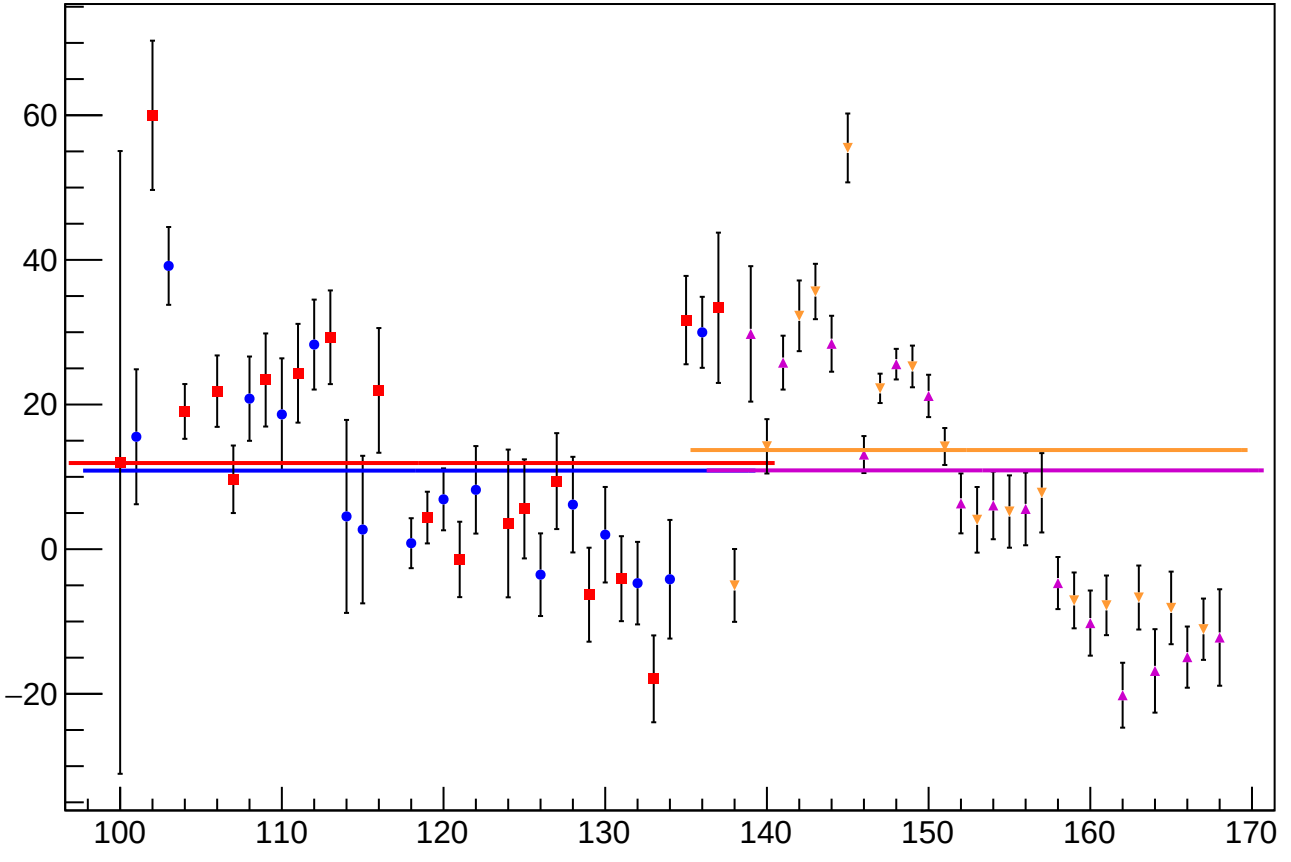
Left In: -261.665+/-1.435 χ^2/NDF:490.8/14

+ sign -256.297+/-1.001 χ^2/NDF: 2346.0/31

All: -251.272+/-0.699 χ^2/NDF: 5472.7/65

- sign -246.489+/-0.977 χ^2/NDF: 3077.6/33

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 13.707+/-0.923 χ^2/NDF:310.9/15

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

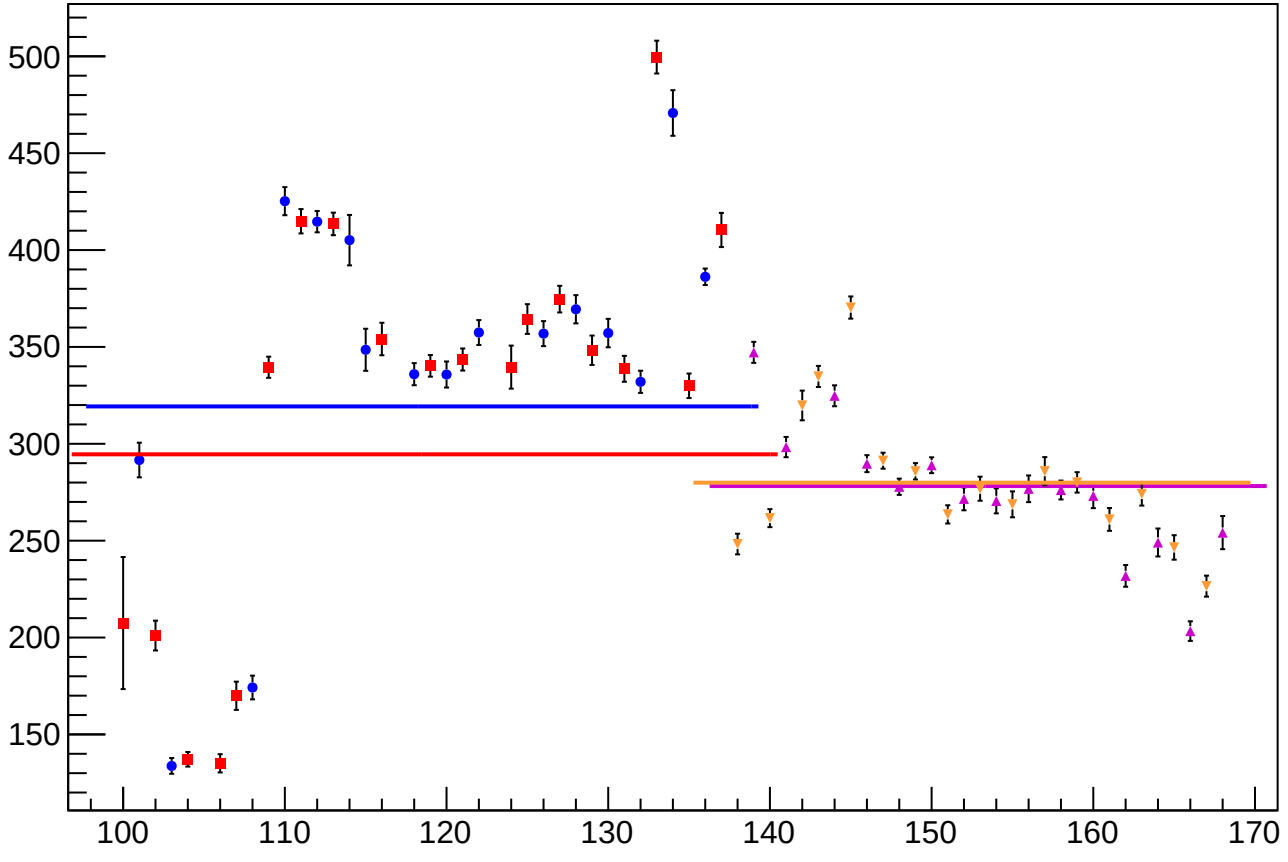
Left In: 10.896+/-0.966 χ^2/NDF:266.3/14

+ sign 12.904+/-0.781 χ^2/NDF: 398.2/31

All: 12.077+/-0.555 χ^2/NDF: 779.0/65

- sign 11.234+/-0.789 χ^2/NDF: 378.6/33

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 279.935+/-1.359 χ^2/NDF:590.3/15

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

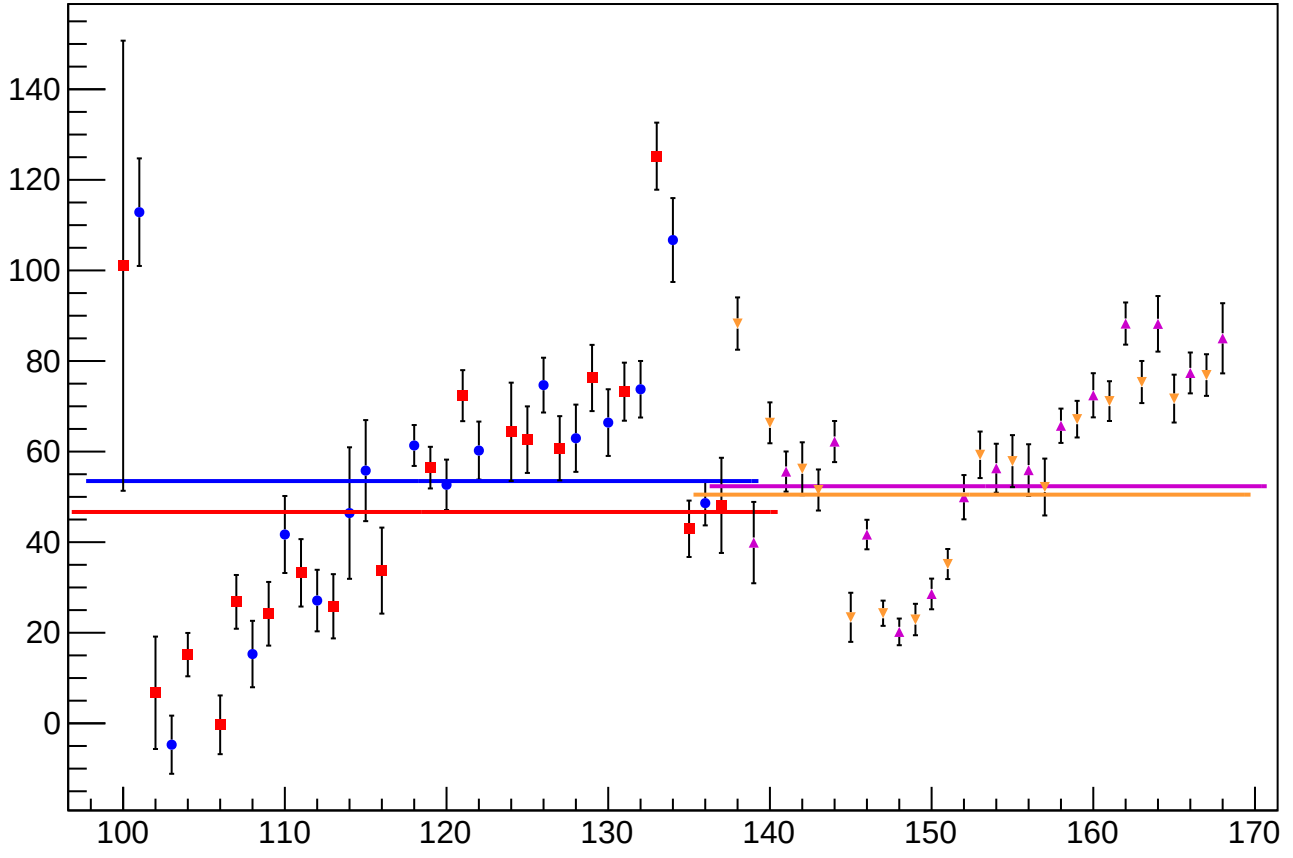
Left In: 278.195+/-1.390 χ^2/NDF:579.7/14

\+ sign 296.598+/-1.032 χ^2/NDF: 4738.3/31

All: 291.131+/-0.723 χ^2/NDF: 10941.3/65

\- sign 285.858+/-1.014 χ^2/NDF: 6147.8/33

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 50.494+/-1.098 χ^2/NDF:375.4/15

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

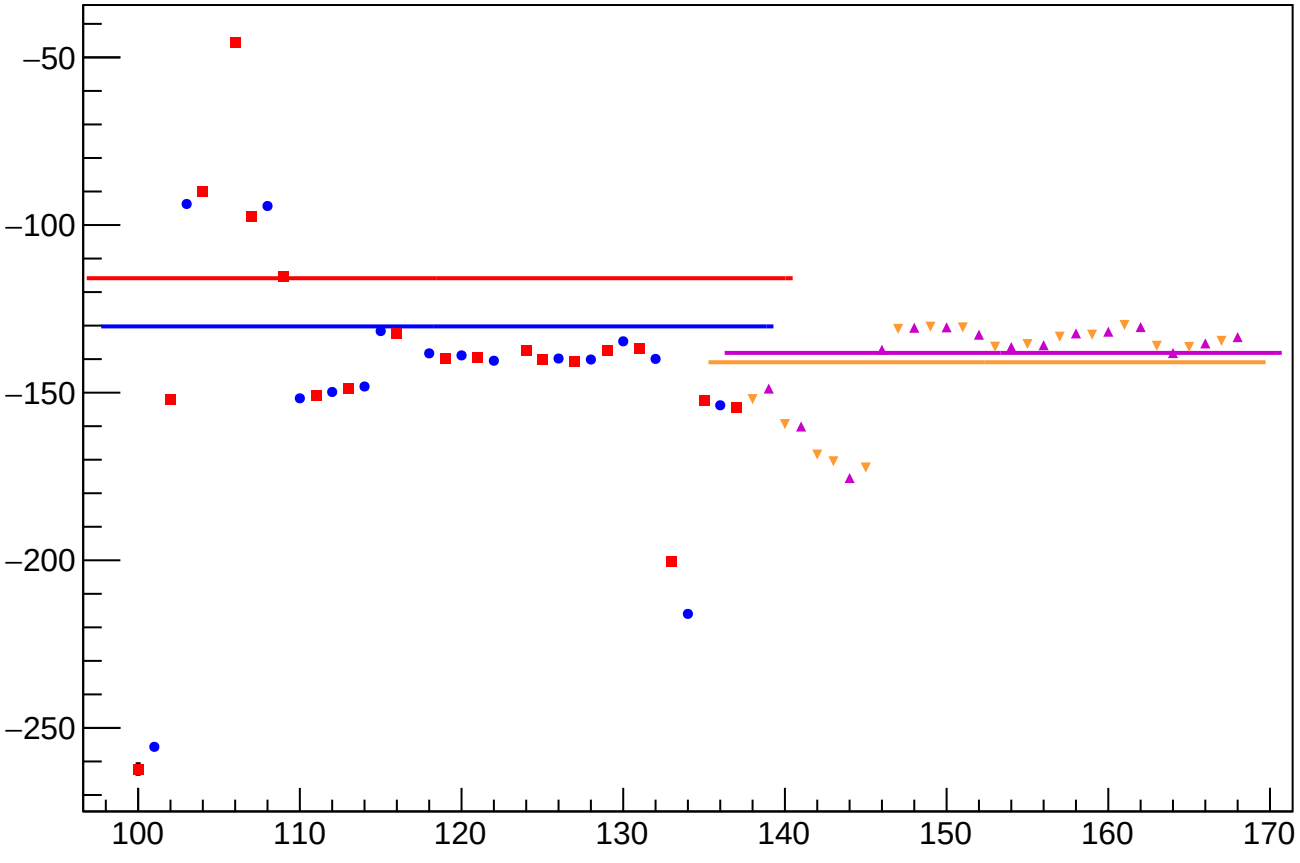
Left In: 52.353+/-1.143 χ^2/NDF:359.3/14

+ sign 51.378+/-0.922 χ^2/NDF: 594.9/31

All: 50.903+/-0.654 χ^2/NDF: 1288.7/65

- sign 50.421+/-0.929 χ^2/NDF: 693.3/33

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -140.933+/-0.053 χ^2/NDF:72892.0/15

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

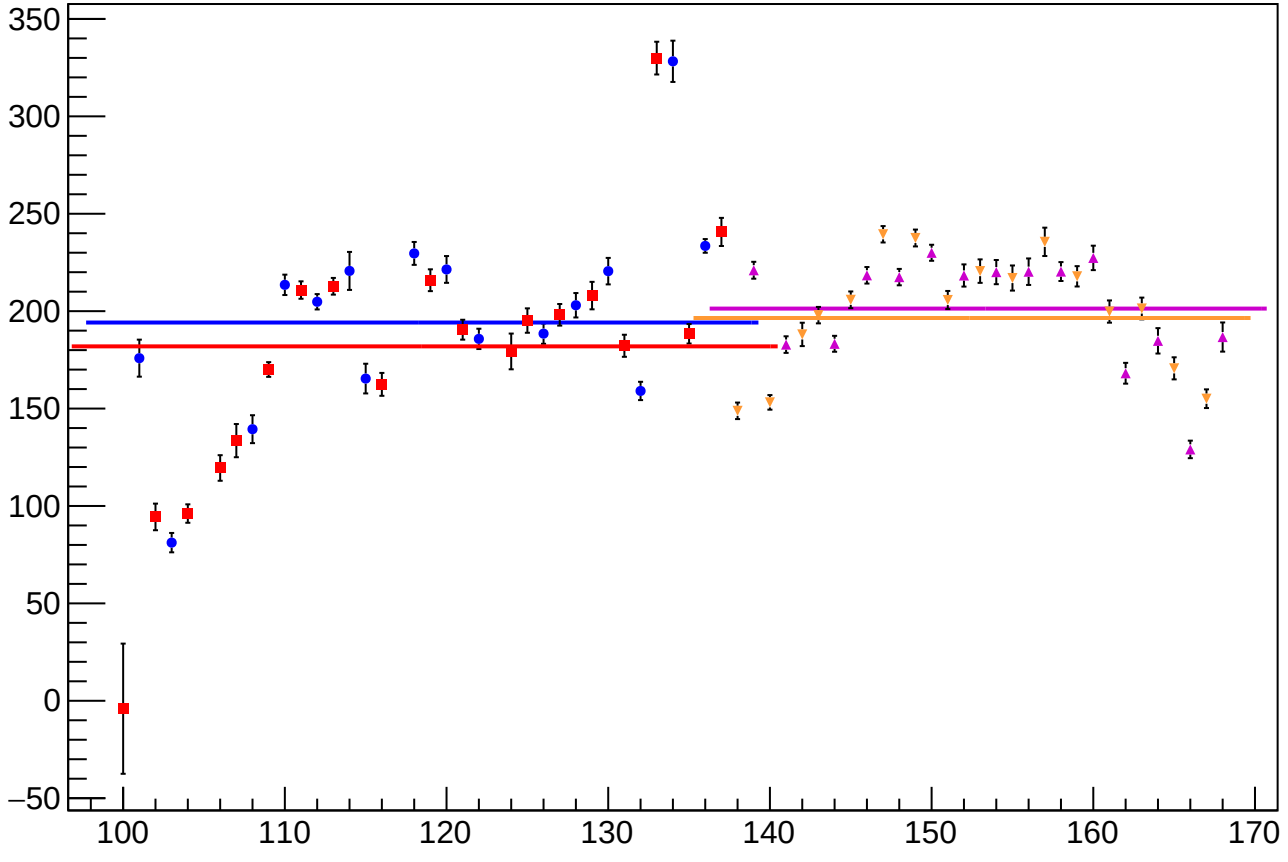
Left In: -138.137+/-0.053 χ^2/NDF:45990.3/14

+ sign -138.257+/-0.046 χ^2/NDF: 257442.9/31

All: -135.080+/-0.032 χ^2/NDF: 567760.4/65

- sign -131.958+/-0.045 χ^2/NDF: 300670.4/33

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 196.490+/-1.226 χ^2/NDF:633.1/15

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

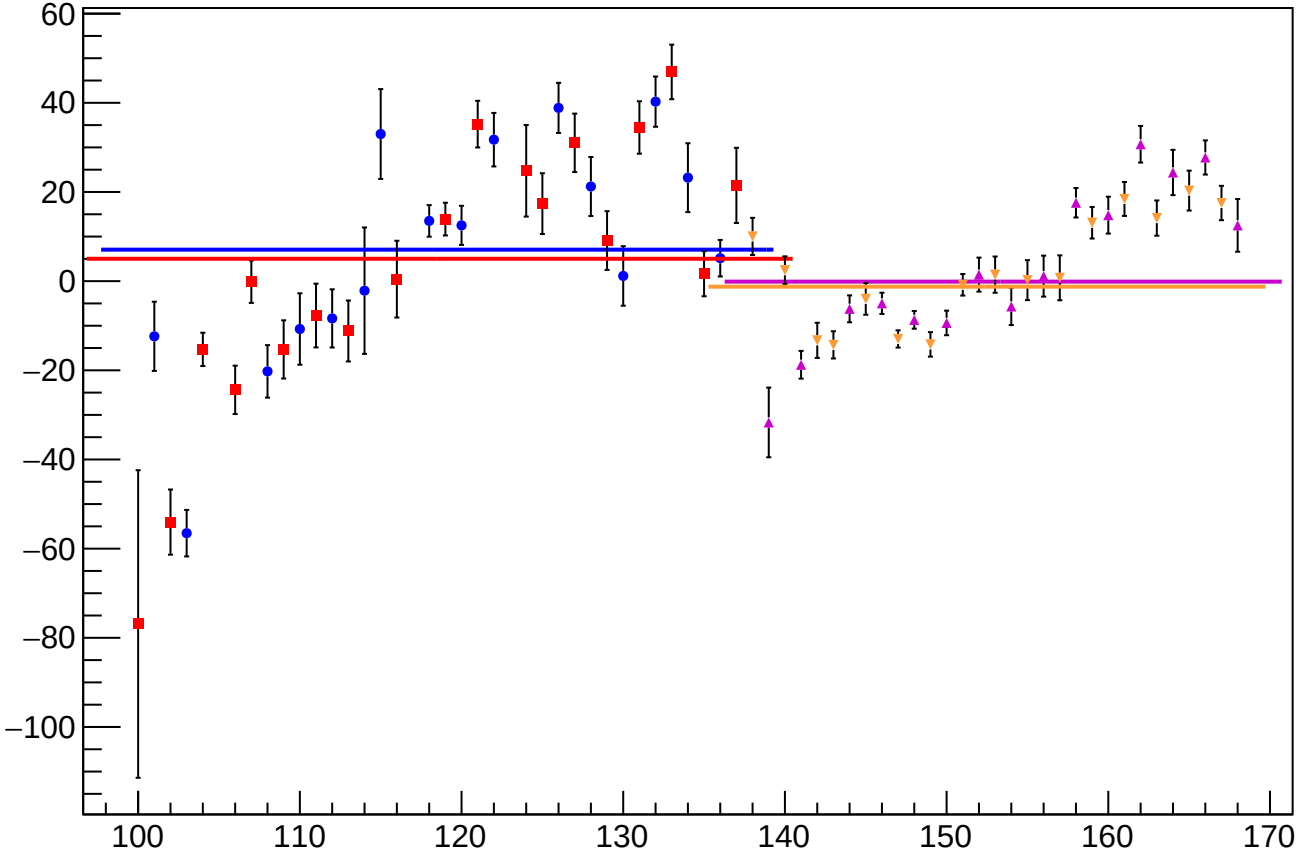
Left In: 201.320+/-1.279 χ^2/NDF:504.1/14

+ sign 195.486+/-0.924 χ^2/NDF: 1669.8/31

All: 193.706+/-0.652 χ^2/NDF: 3497.3/65

- sign 191.946+/-0.919 χ^2/NDF: 1820.1/33

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -1.238+/-0.827 χ^2/NDF:201.8/15

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

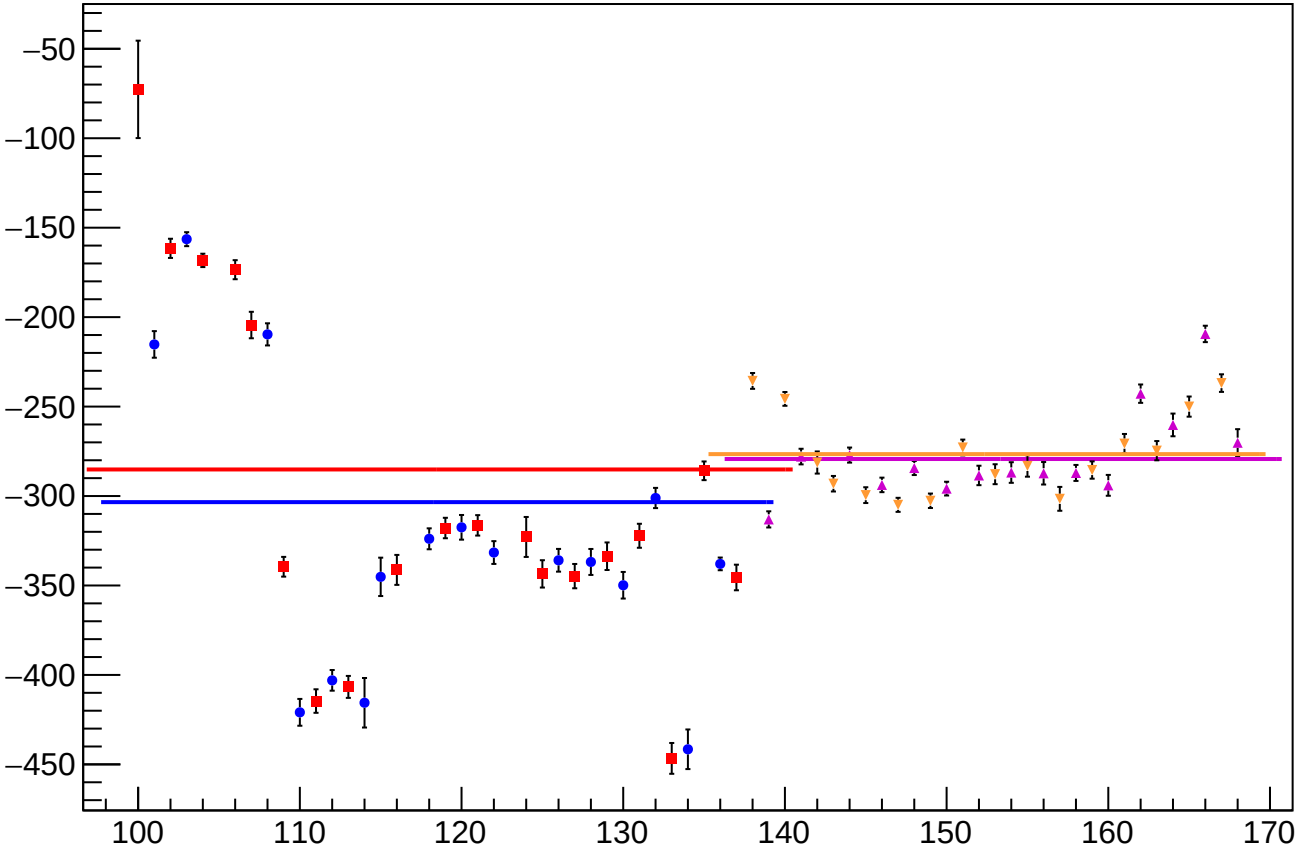
Left In: -0.109+/-0.874 χ^2/NDF:271.1/14

+ sign 0.816+/-0.718 χ^2/NDF: 519.3/31

All: 1.099+/-0.513 χ^2/NDF: 1089.3/65

- sign 1.396+/-0.734 χ^2/NDF: 569.7/33

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -276.574+/-1.201 χ^2/NDF:397.7/15

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

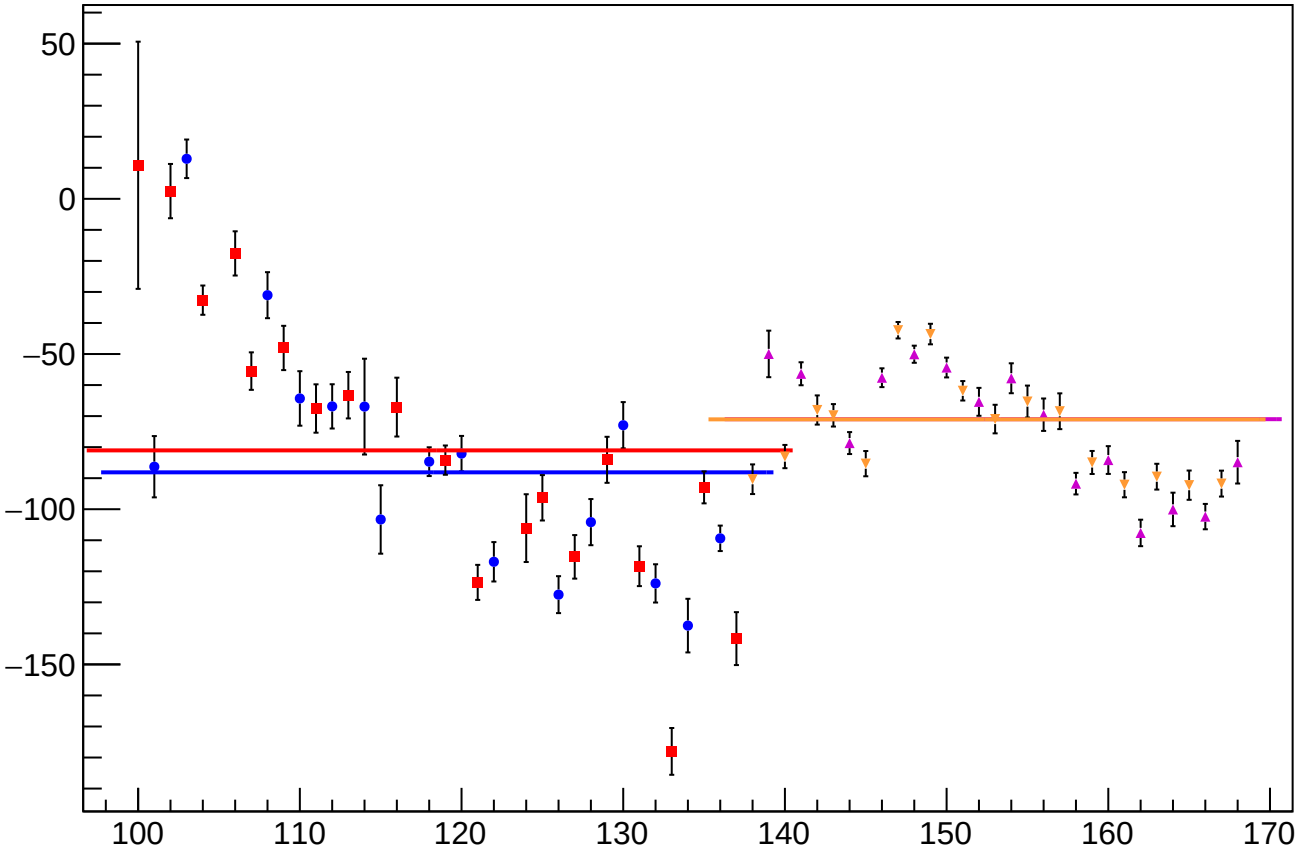
Left In: -279.305+/-1.243 χ^2/NDF:398.4/14

+ sign -286.808+/-0.945 χ^2/NDF: 3373.5/31

All: -284.290+/-0.668 χ^2/NDF: 7550.2/65

- sign -281.778+/-0.944 χ^2/NDF: 4162.6/33

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -71.050+/-0.980 χ^2/NDF:341.1/15

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

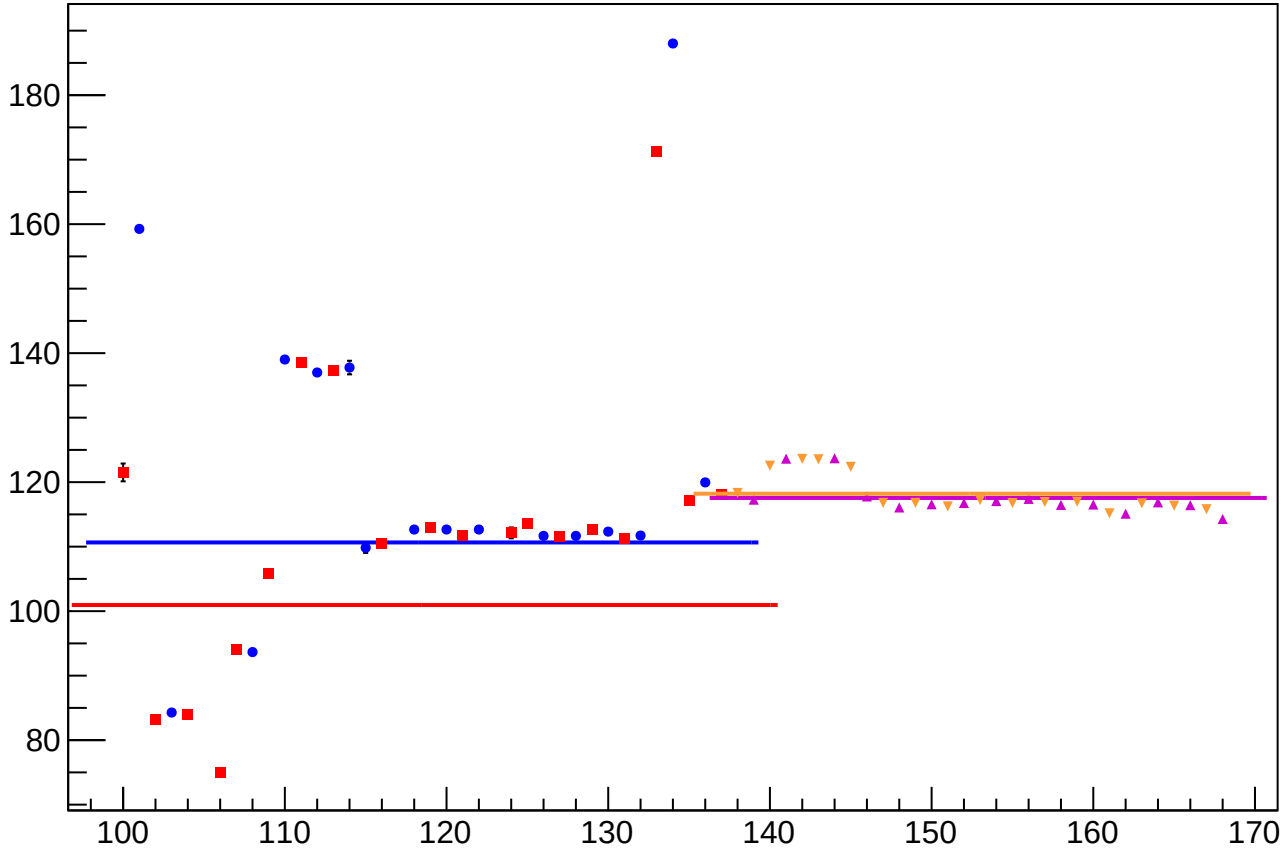
Left In: -70.992+/-1.030 χ^2/NDF:351.9/14

+ sign -75.482+/-0.843 χ^2/NDF: 931.8/31

All: -74.767+/-0.603 χ^2/NDF: 1991.3/65

- sign -74.022+/-0.861 χ^2/NDF: 1058.1/33

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 118.210+/-0.047 χ^2/NDF:3533.1/15

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

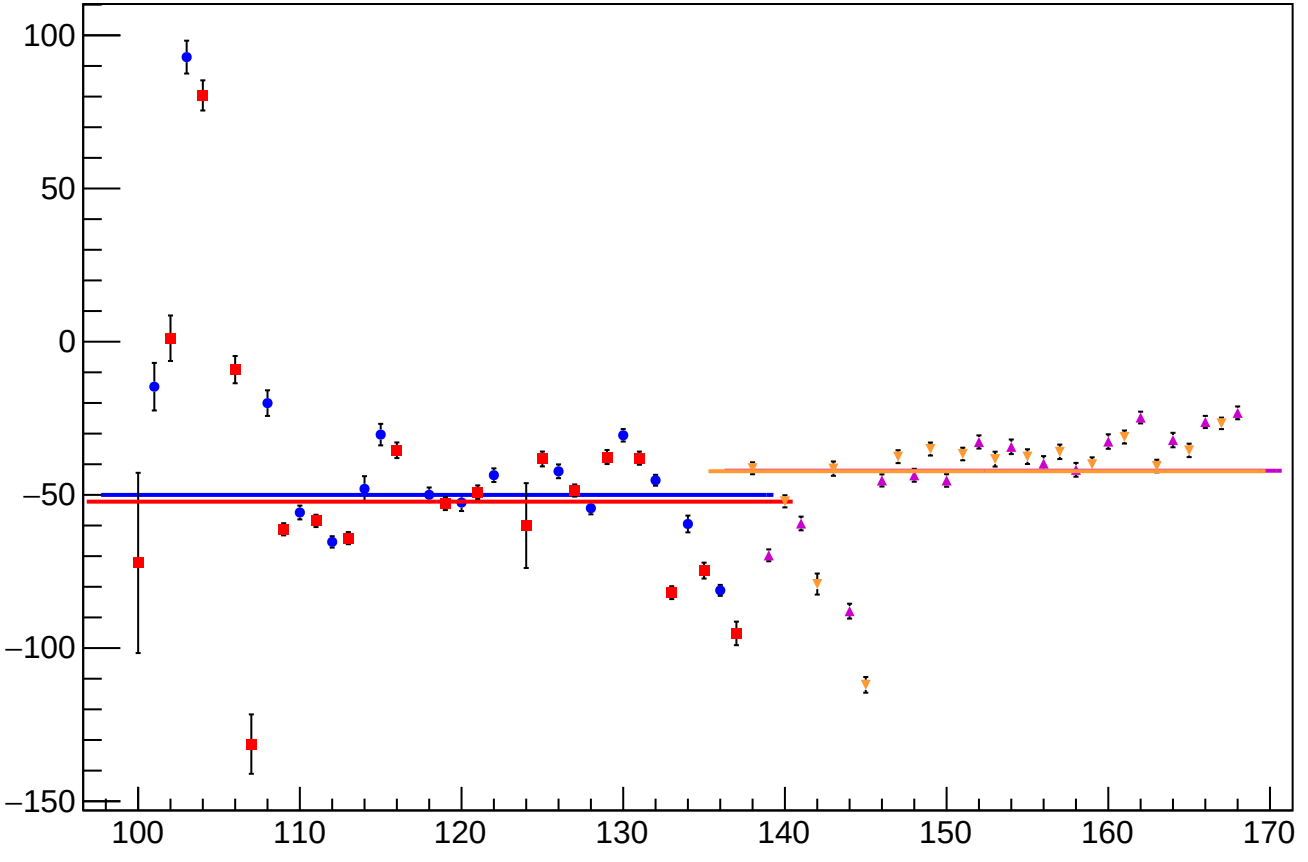
Left In: 117.549+/-0.048 χ^2/NDF:2818.7/14

+ sign 116.488+/-0.041 χ^2/NDF: 93046.2/31

All: 114.890+/-0.029 χ^2/NDF: 192153.6/65

- sign 113.286+/-0.041 χ^2/NDF: 96056.5/33

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -42.274+/-0.553 χ^2/NDF:1019.8/15

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

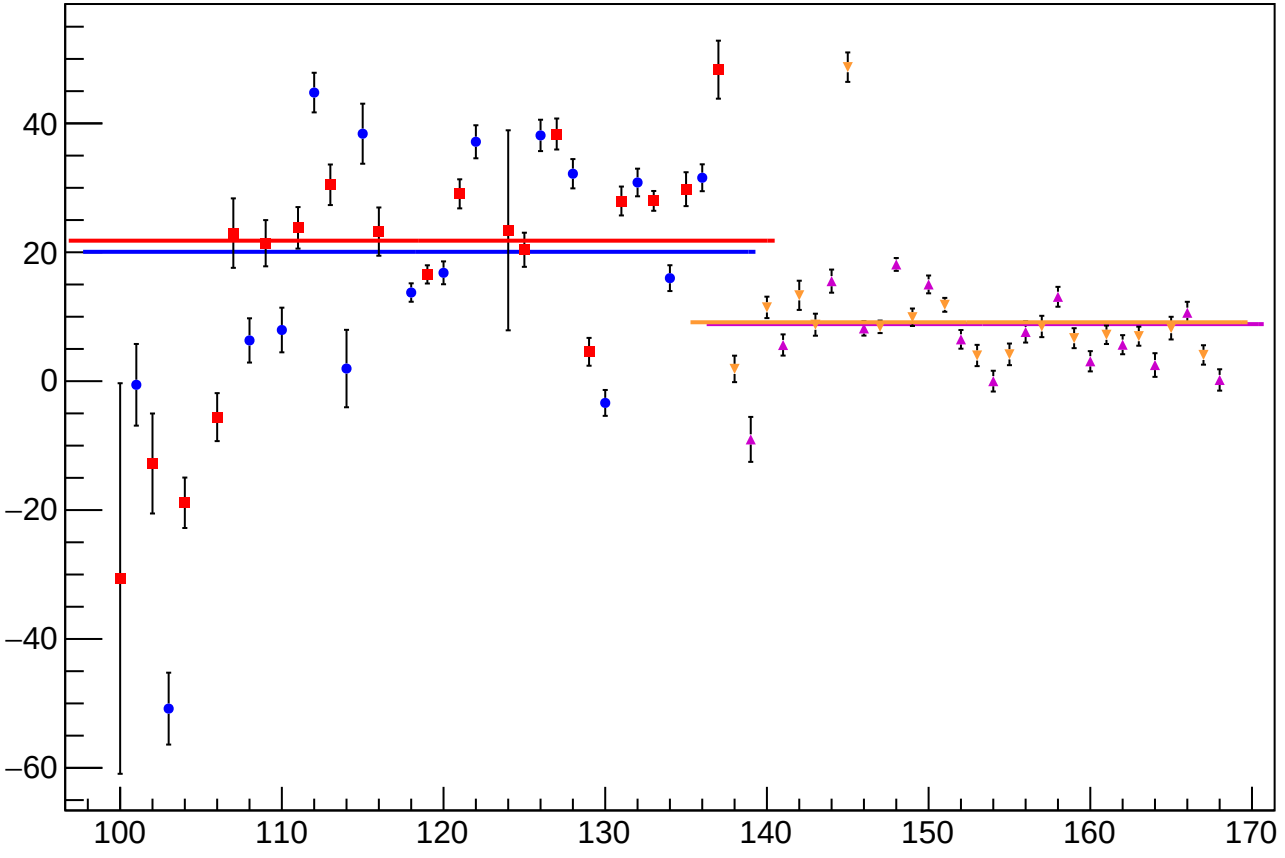
Left In: -42.118+/-0.558 χ^2/NDF:914.2/14

+ sign -45.762+/-0.410 χ^2/NDF: 2435.5/31

All: -46.256+/-0.290 χ^2/NDF: 5073.3/65

- sign -46.751+/-0.410 χ^2/NDF: 2634.9/33

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 9.140+/-0.378 χ^2/NDF:361.8/15

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

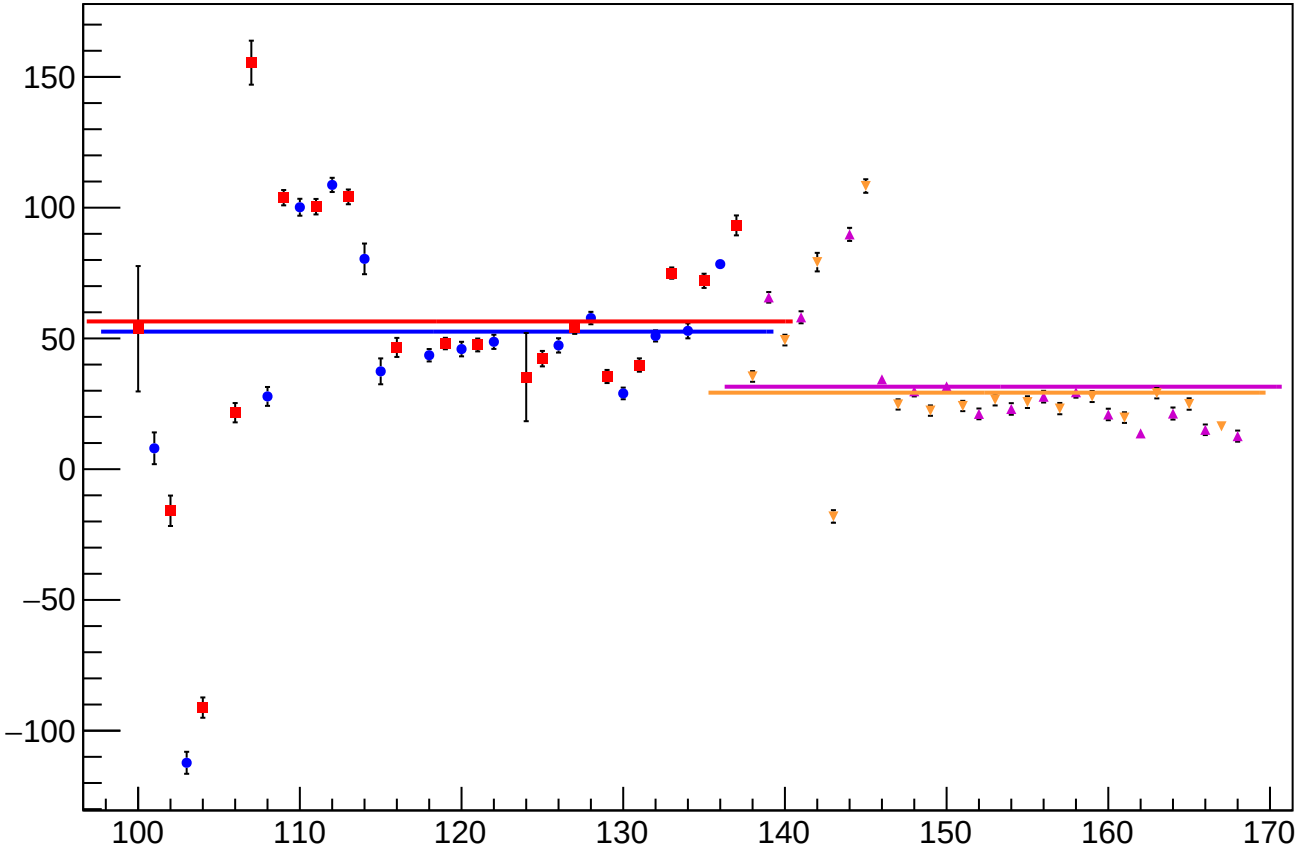
Left In: 8.852+/-0.389 χ^2/NDF:249.7/14

+ sign 12.156+/-0.321 χ^2/NDF: 1229.1/31

All: 12.319+/-0.230 χ^2/NDF: 2187.2/65

- sign 12.491+/-0.330 χ^2/NDF: 957.6/33

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 29.262+/-0.538 χ^2/NDF:1723.5/15

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

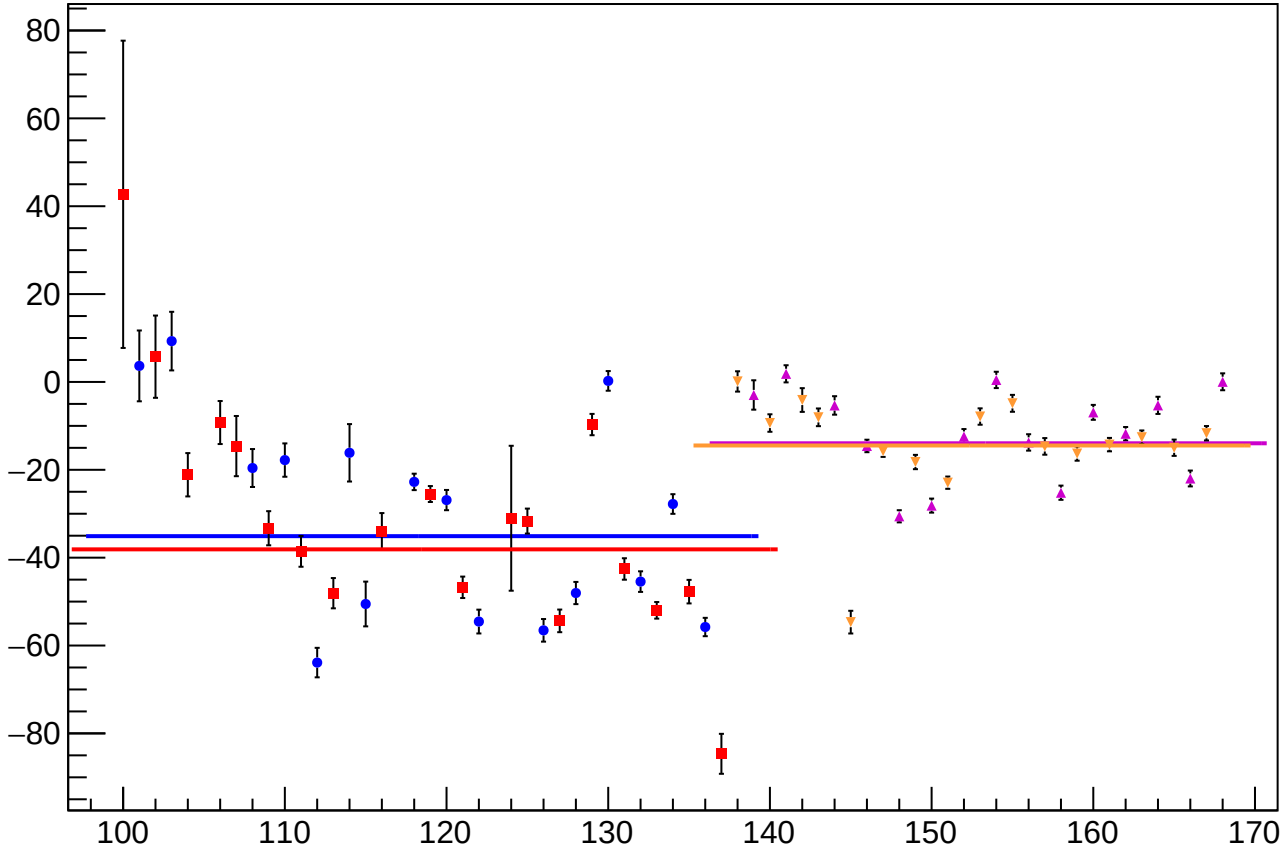
Left In: 31.538+/-0.540 χ^2/NDF:1289.3/14

+ sign 37.982+/-0.426 χ^2/NDF: 5086.9/31

All: 39.365+/-0.302 χ^2/NDF: 10152.0/65

- sign 40.769+/-0.429 χ^2/NDF: 5043.9/33

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.464+/-0.441 χ^2/NDF:399.4/15

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

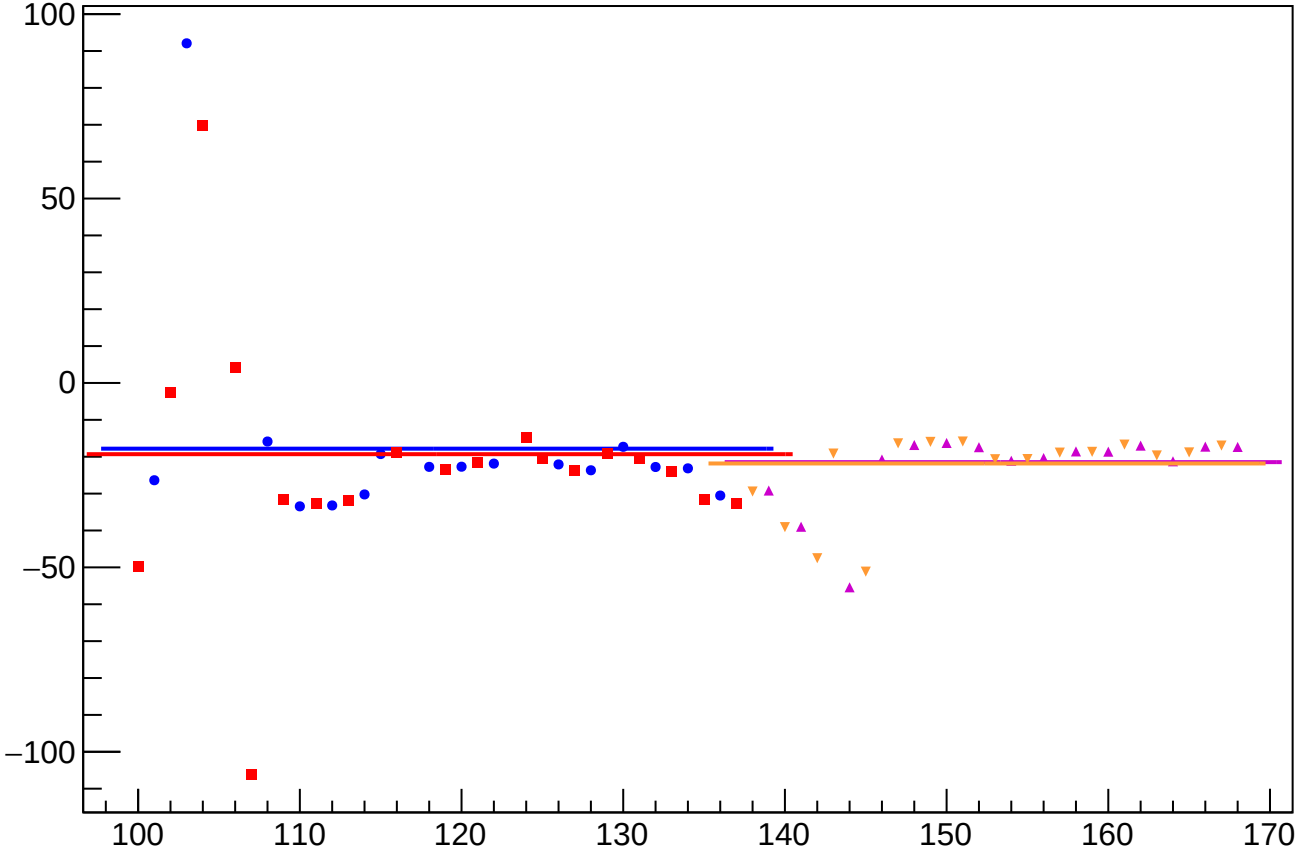
Left In: -13.965+/-0.452 χ^2/NDF:536.4/14

+ sign -20.321+/-0.373 χ^2/NDF: 1795.1/31

All: -20.592+/-0.267 χ^2/NDF: 3663.7/65

- sign -20.876+/-0.382 χ^2/NDF: 1867.5/33

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -21.831+/-0.020 χ^2/NDF:190449.9/15

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

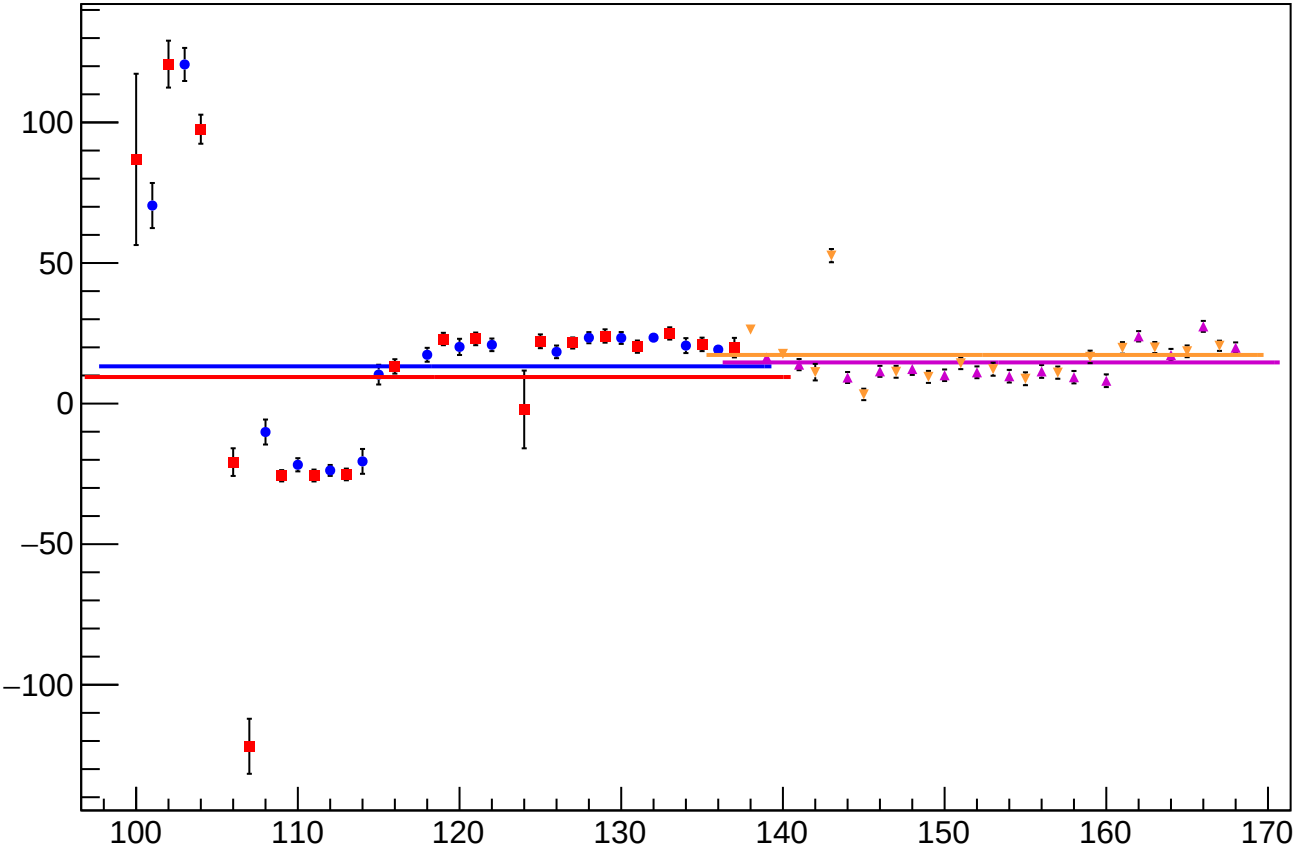
Left In: -21.467+/-0.020 χ^2/NDF:161951.0/14

+ sign -21.109+/-0.018 χ^2/NDF: 623624.8/31

All: -21.114+/-0.013 χ^2/NDF: 1132039.7/65

- sign -21.120+/-0.018 χ^2/NDF: 508414.7/33

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 17.305+/-0.522 χ^2/NDF:358.7/15

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

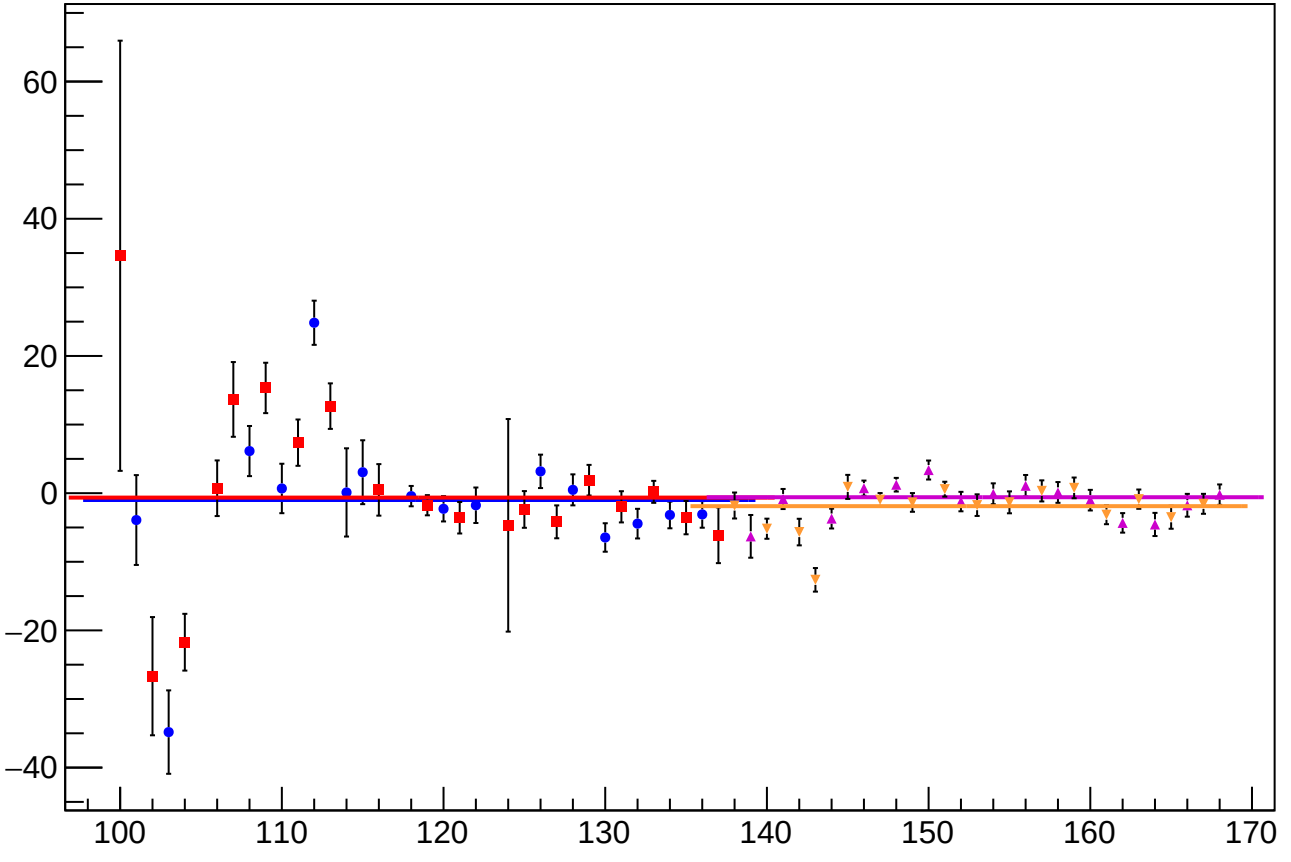
Left In: 14.643+/-0.524 χ^2/NDF:118.9/14

+ sign 15.606+/-0.398 χ^2/NDF: 1566.5/31

All: 14.036+/-0.282 χ^2/NDF: 3594.5/65

- sign 12.458+/-0.399 χ^2/NDF: 1996.8/33

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.893+/-0.362 χ^2/NDF:64.3/15

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

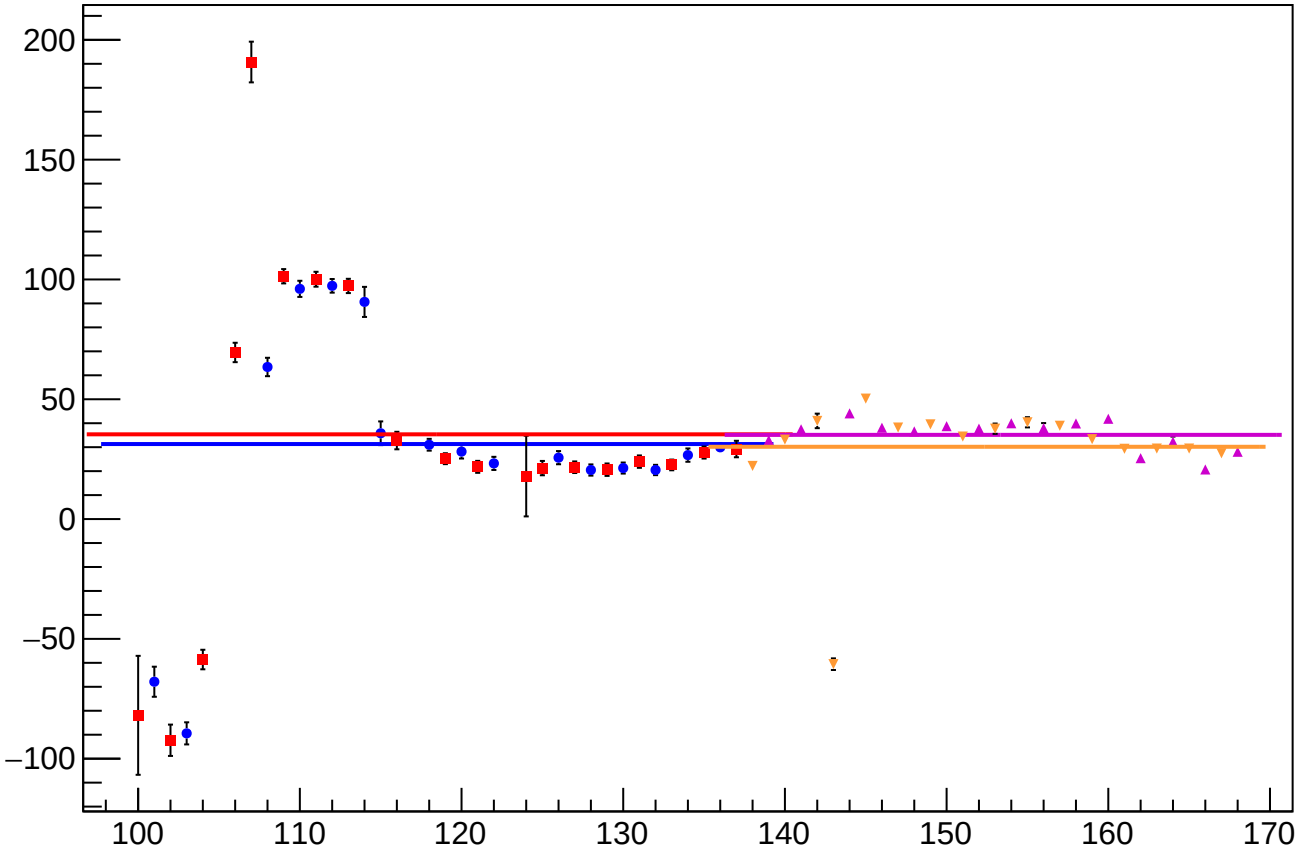
Left In: -0.591+/-0.371 χ^2/NDF:35.7/14

+ sign -1.664+/-0.313 χ^2/NDF: 182.3/31

All: -1.147+/-0.224 χ^2/NDF: 317.8/65

- sign -0.604+/-0.320 χ^2/NDF: 130.0/33

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 30.168+/-0.509 χ^2/NDF:1628.1/15

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

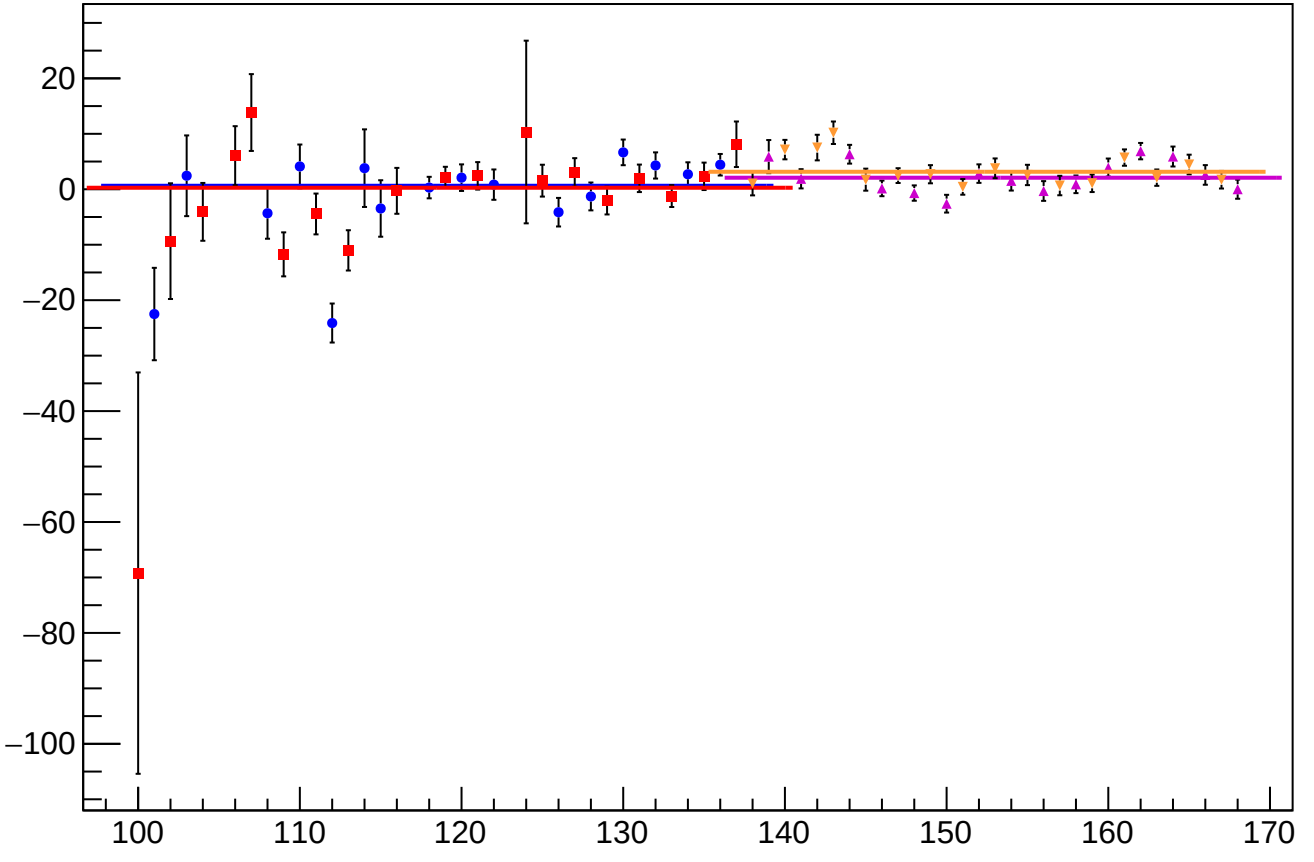
Left In: 35.143+/-0.510 χ^2/NDF:152.4/14

+ sign 30.563+/-0.412 χ^2/NDF: 3715.8/31

All: 32.870+/-0.293 χ^2/NDF: 6829.1/65

- sign 35.218+/-0.416 χ^2/NDF: 3050.1/33

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.156+/-0.421 χ^2/NDF:35.2/15

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

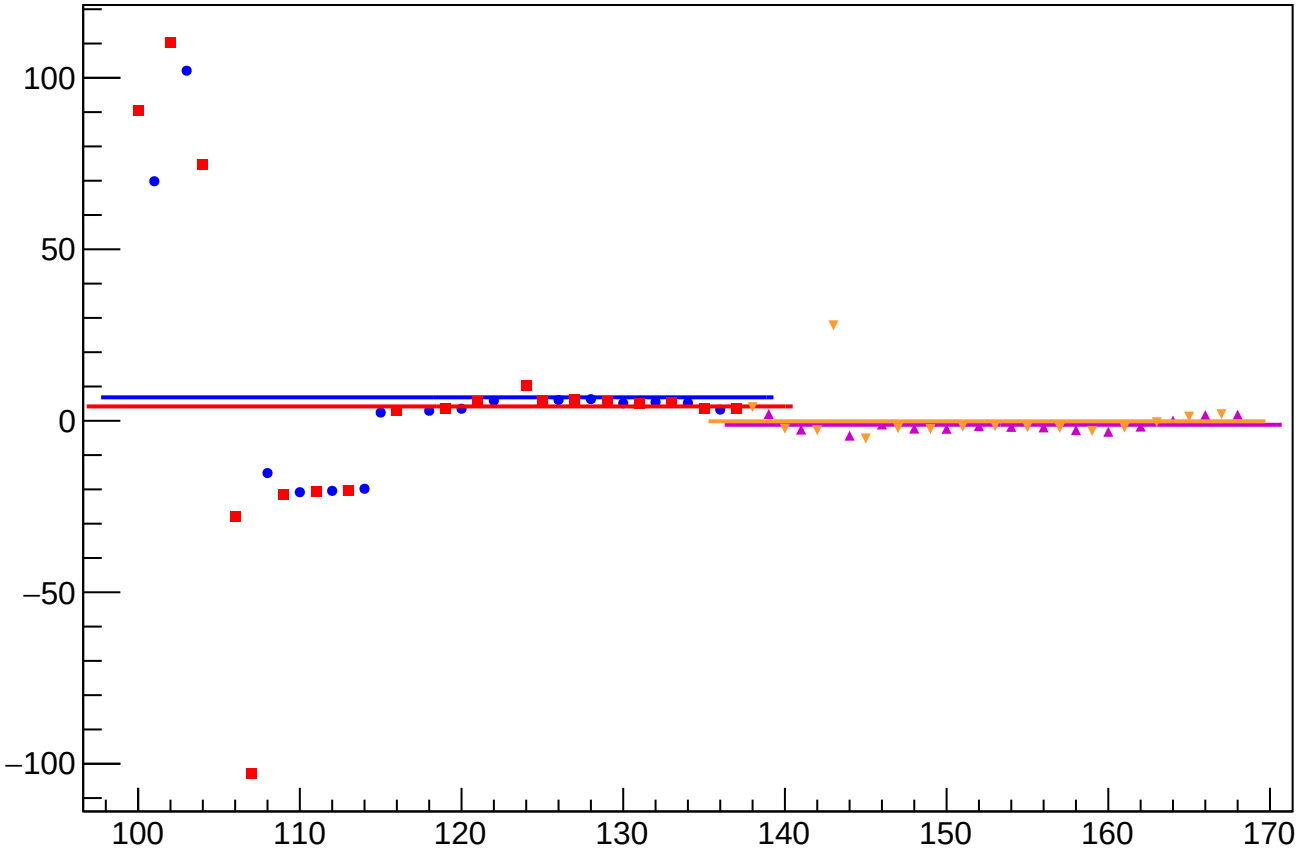
Left In: 2.082+/-0.430 χ^2/NDF:42.9/14

+ sign 2.492+/-0.361 χ^2/NDF: 123.1/31

All: 2.062+/-0.259 χ^2/NDF: 214.0/65

- sign 1.613+/-0.370 χ^2/NDF: 87.9/33

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: -0.152+/-0.019 χ^2/NDF:92191.2/15

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

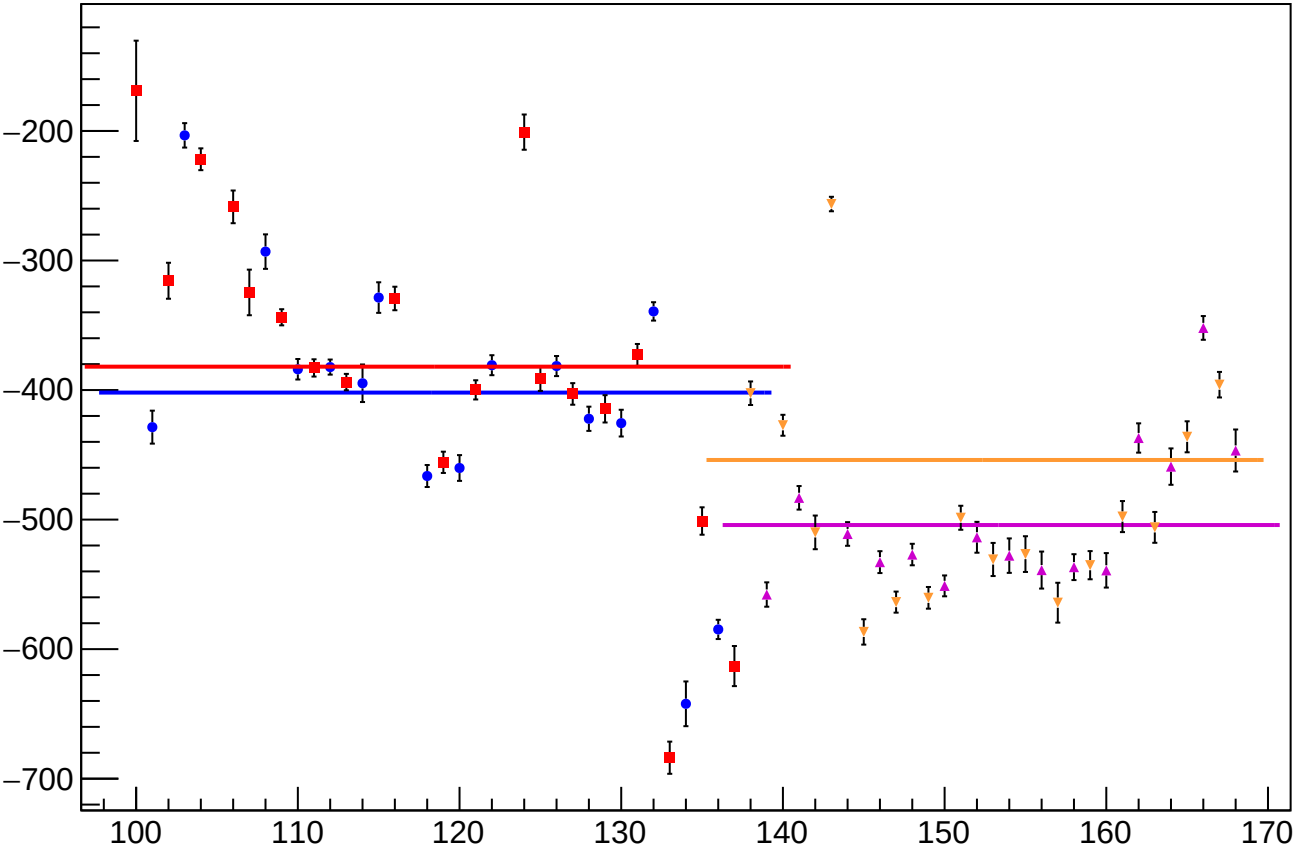
Left In: -1.159+/-0.019 χ^2/NDF:9435.9/14

+ sign 1.015+/-0.018 χ^2/NDF: 435316.2/31

All: 0.319+/-0.012 χ^2/NDF: 893897.1/65

- sign -0.385+/-0.018 χ^2/NDF: 455400.4/33

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -453.979+/-2.410 χ^2/NDF:2103.1/15

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

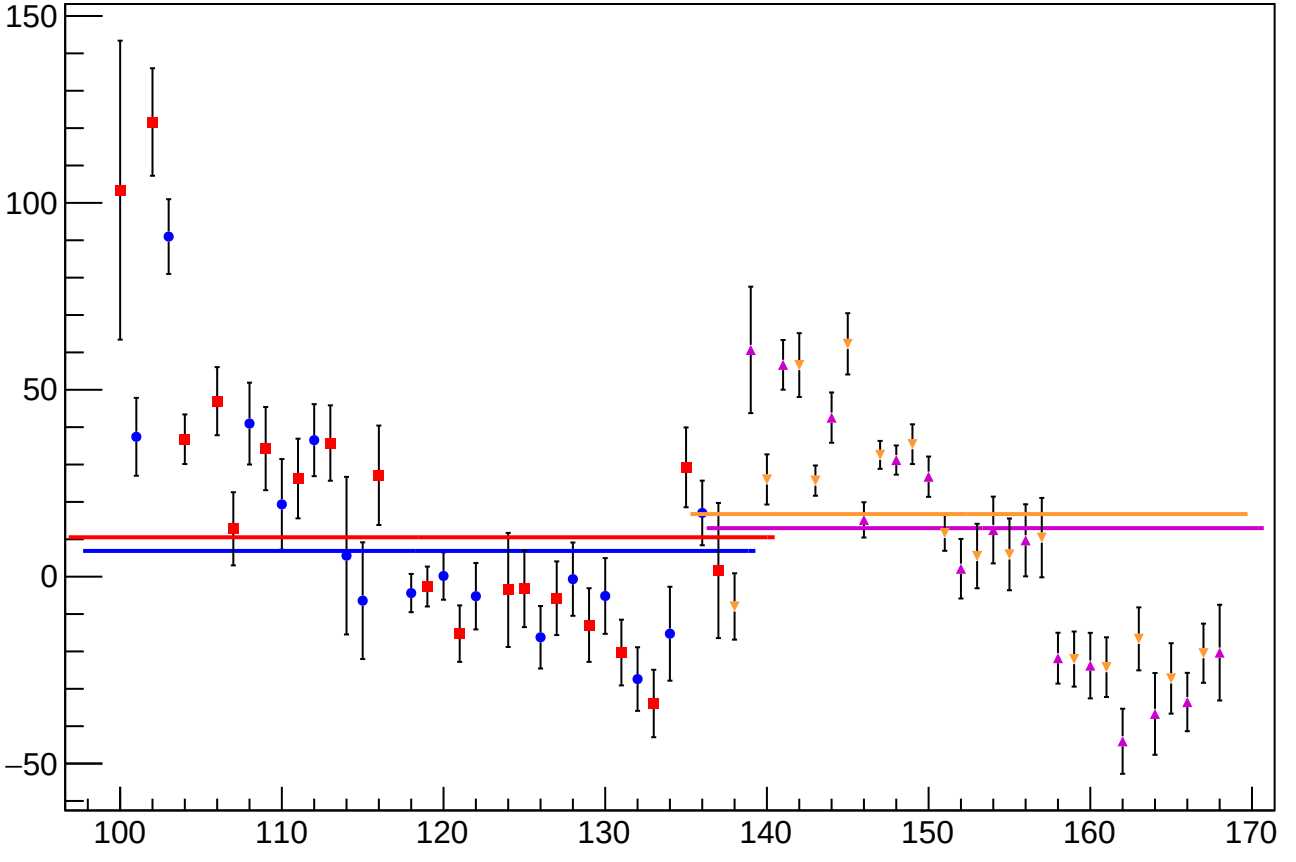
Left In: -504.196+/-2.661 χ^2/NDF:452.6/14

+ sign -426.024+/-1.639 χ^2/NDF: 3916.8/31

All: -427.755+/-1.166 χ^2/NDF: 7477.9/65

- sign -429.530+/-1.660 χ^2/NDF: 3558.9/33

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 16.746+/-1.614 χ^2/NDF:215.6/15

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

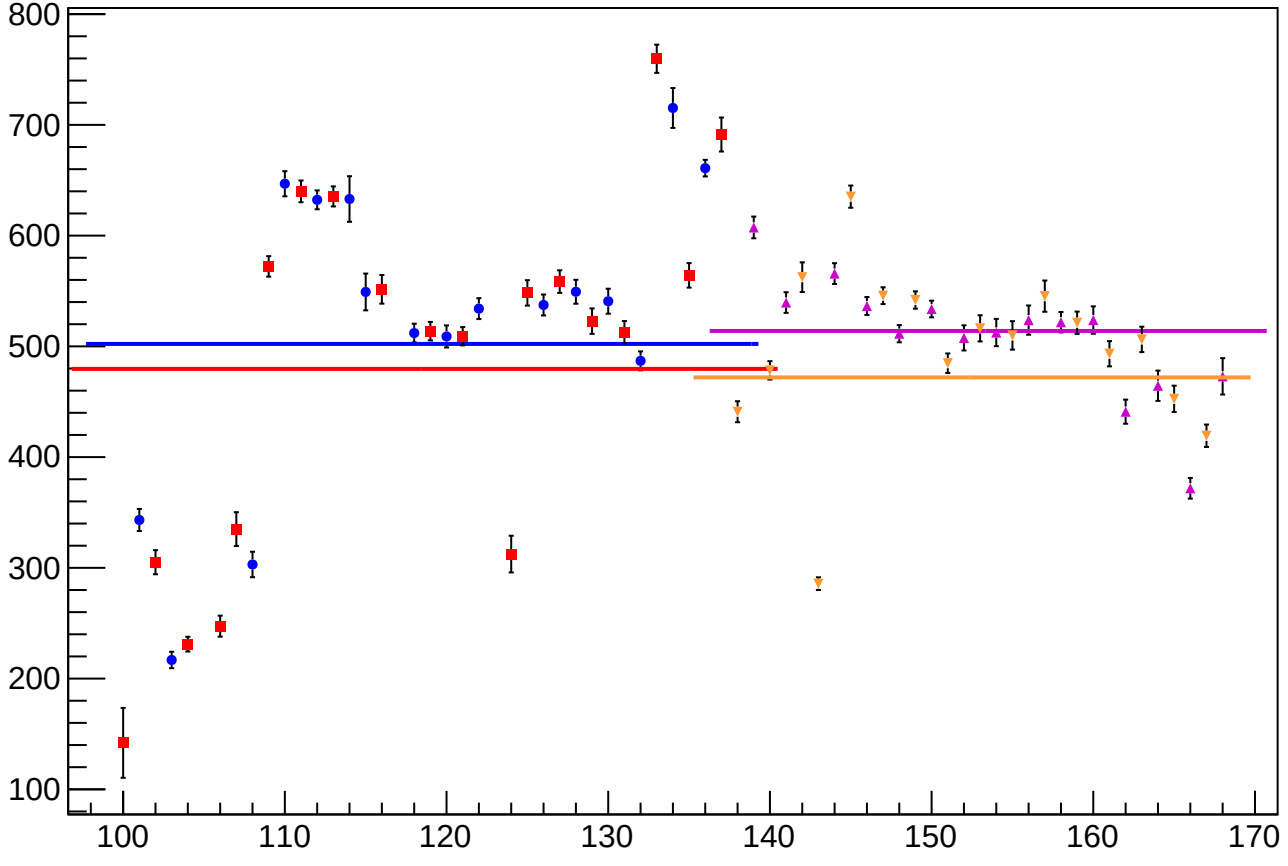
Left In: 12.981+/-1.794 χ^2/NDF:250.6/14

+ sign 13.426+/-1.314 χ^2/NDF: 366.6/31

All: 12.755+/-0.955 χ^2/NDF: 798.5/65

- sign 12.006+/-1.389 χ^2/NDF: 431.4/33

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 471.966+/-2.368 χ^2/NDF:1666.3/15

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

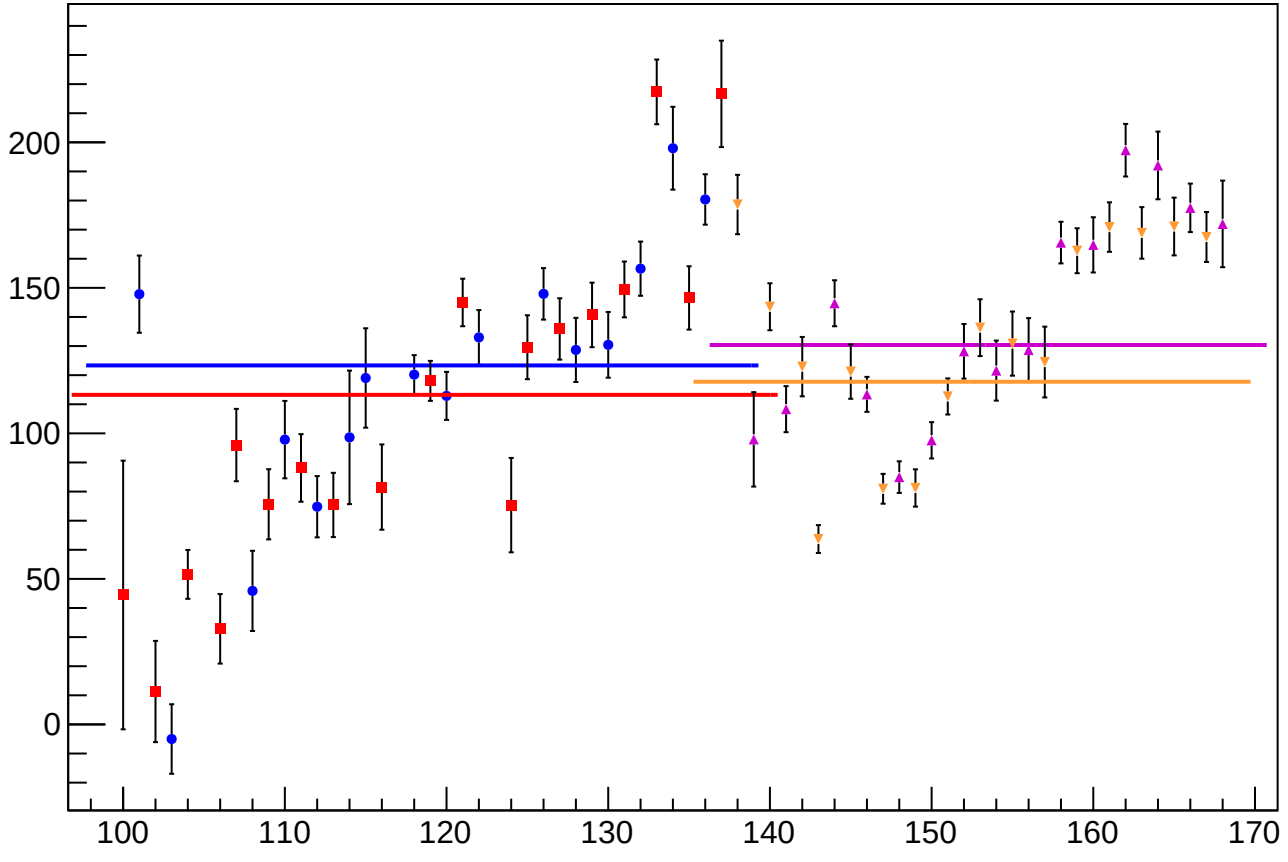
Left In: 513.921+/-2.581 χ^2/NDF:441.3/14

+ sign 486.313+/-1.717 χ^2/NDF: 4878.8/31

All: 490.826+/-1.228 χ^2/NDF: 9567.3/65

- sign 495.554+/-1.757 χ^2/NDF: 4674.3/33

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 117.731+/-1.922 χ^2/NDF:432.4/15

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

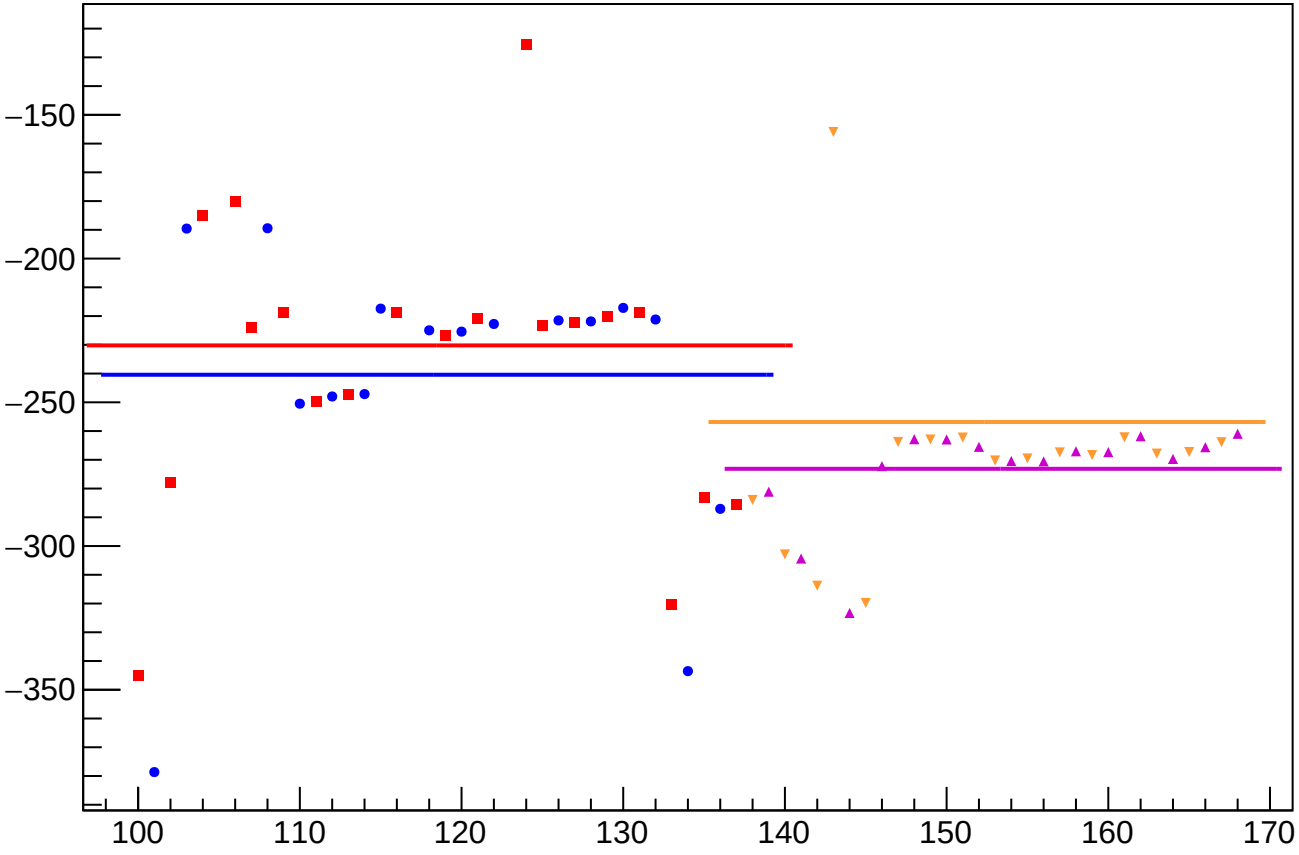
Left In: 130.361+/-2.126 χ^2/NDF:281.4/14

+ sign 119.688+/-1.551 χ^2/NDF: 706.8/31

All: 121.414+/-1.124 χ^2/NDF: 1363.2/65

- sign 123.323+/-1.631 χ^2/NDF: 653.8/33

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -256.857+/-0.093 χ^2/NDF:240473.5/15

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

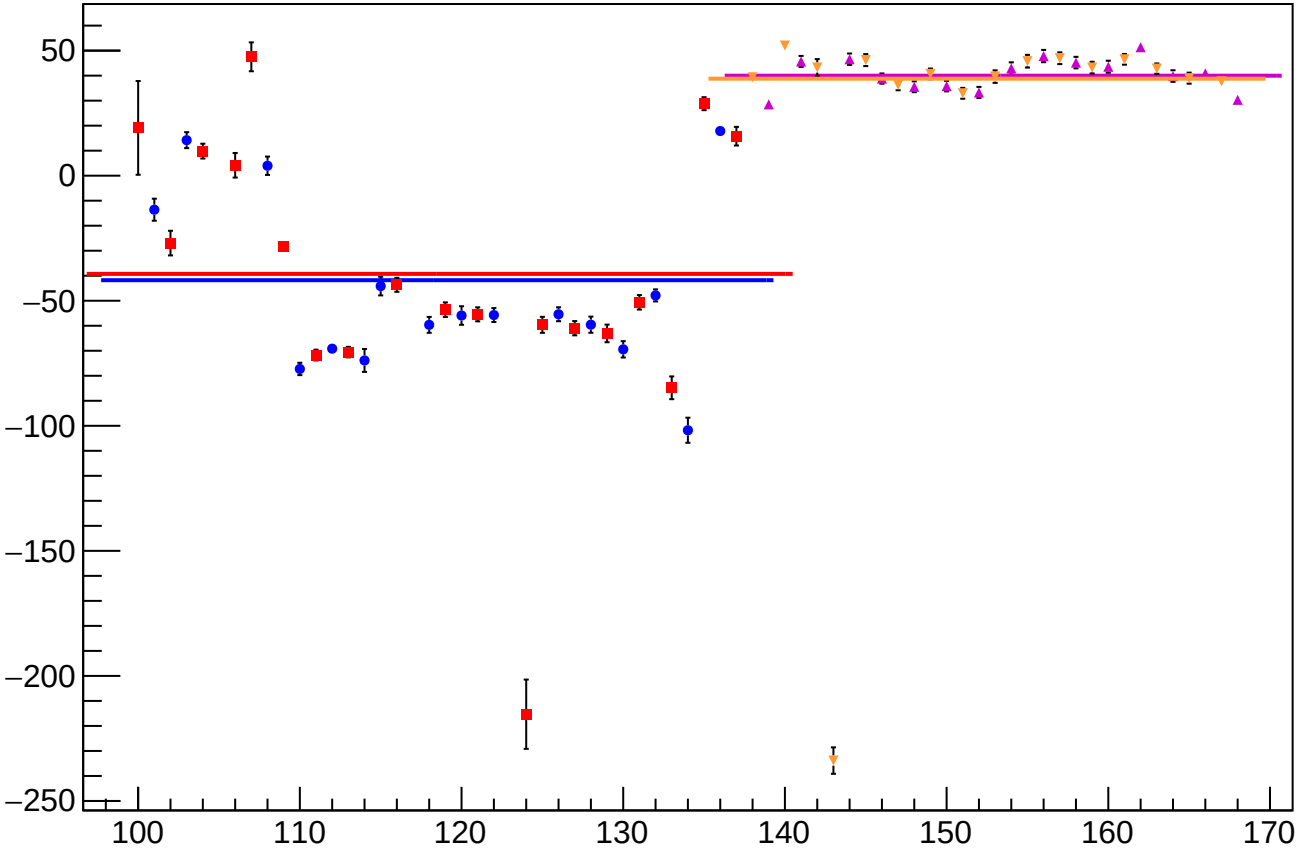
Left In: -273.136+/-0.099 χ^2/NDF:26214.4/14

+ sign -252.334+/-0.079 χ^2/NDF: 383269.0/31

All: -255.861+/-0.057 χ^2/NDF: 555989.9/65

- sign -259.667+/-0.082 χ^2/NDF: 168575.8/33

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 38.788+/-0.569 χ^2/NDF:2763.1/15

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

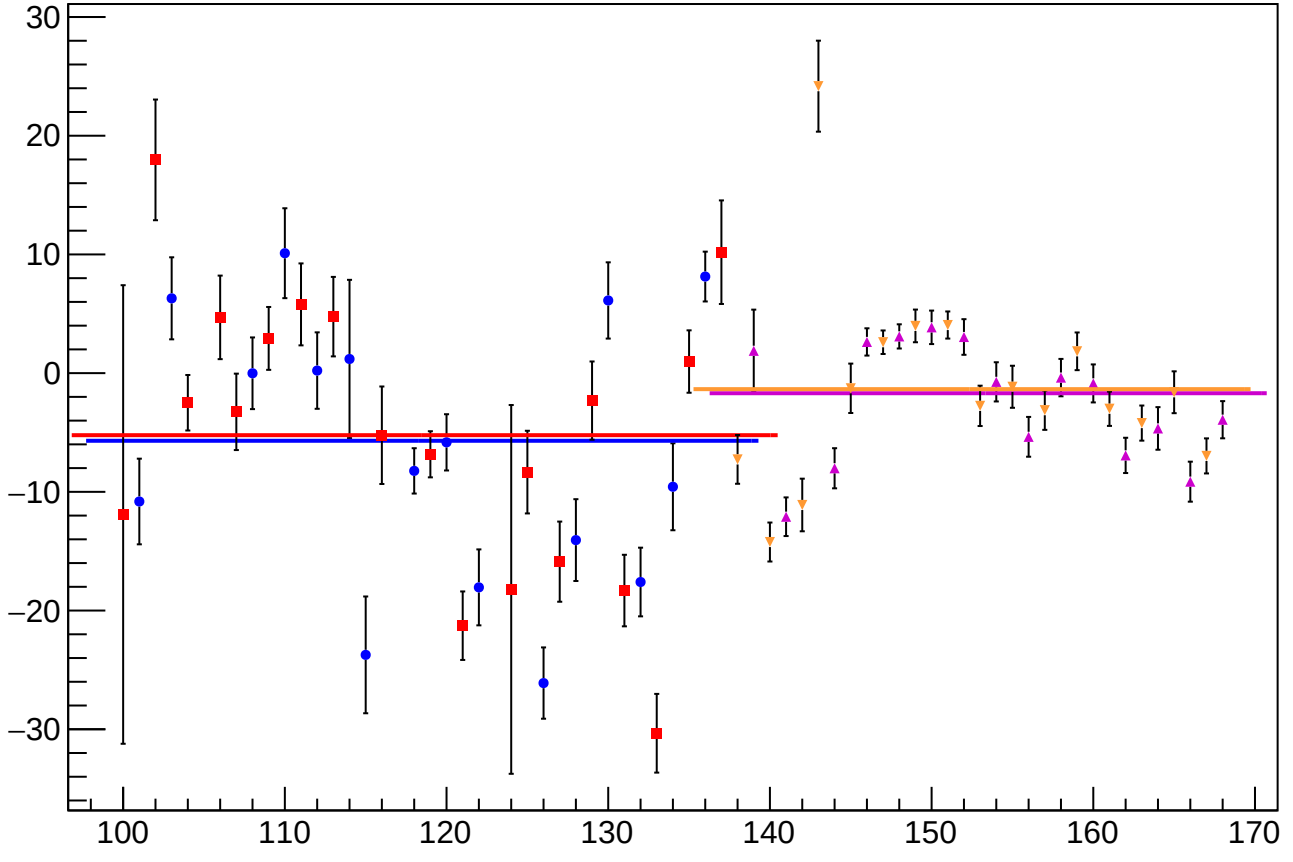
Left In: 39.977+/-0.558 χ^2/NDF:145.8/14

+ sign 8.001+/-0.447 χ^2/NDF: 12840.5/31

All: 8.025+/-0.310 χ^2/NDF: 23580.5/65

- sign 8.046+/-0.431 χ^2/NDF: 10740.0/33

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -1.349+/-0.390 χ^2/NDF:212.2/15

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

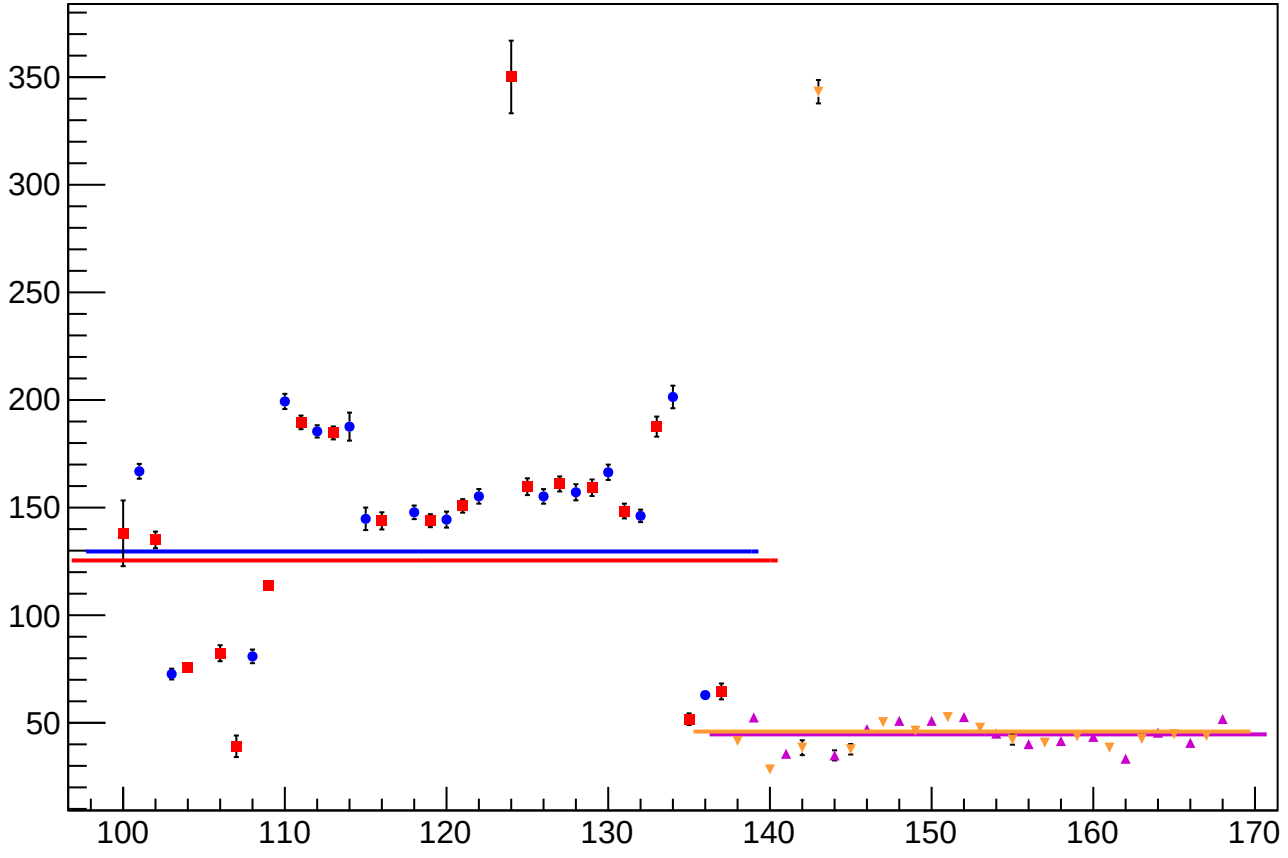
Left In: -1.692+/-0.392 χ^2/NDF:160.4/14

+ sign -2.269+/-0.346 χ^2/NDF: 435.3/31

All: -2.368+/-0.245 χ^2/NDF: 811.0/65

- sign -2.466+/-0.346 χ^2/NDF: 375.6/33

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 45.947+/-0.553 χ^2/NDF:3126.7/15

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

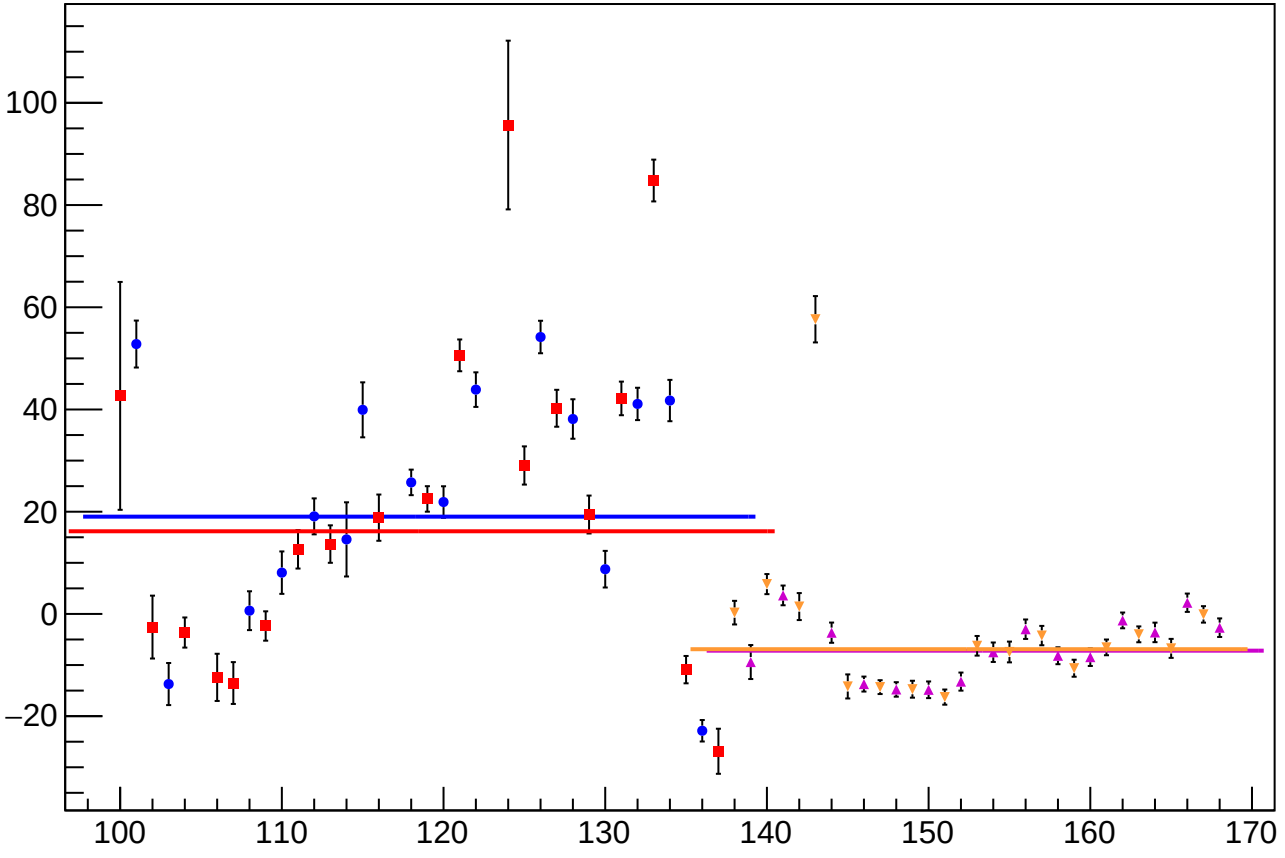
Left In: 44.628+/-0.542 χ^2/NDF:144.6/14

+ sign 72.966+/-0.455 χ^2/NDF: 14146.7/31

All: 71.715+/-0.319 χ^2/NDF: 24924.7/65

- sign 70.508+/-0.447 χ^2/NDF: 10763.1/33

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -6.902+/-0.454 χ^2/NDF:394.7/15

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

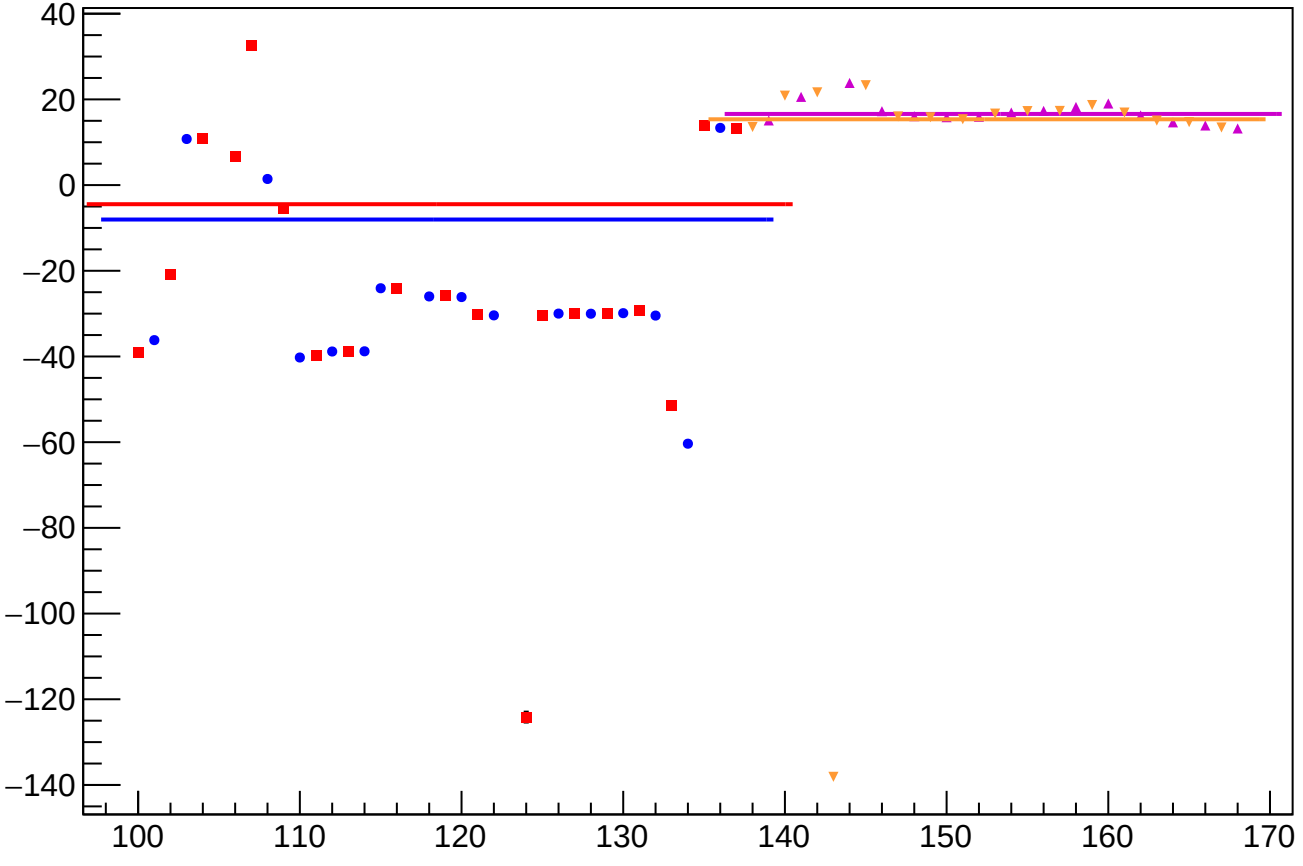
Left In: -7.187+/-0.455 χ^2/NDF:174.8/14

\+ sign -1.245+/-0.402 χ^2/NDF: 1964.1/31

All: -1.597+/-0.284 χ^2/NDF: 3673.2/65

\- sign -1.948+/-0.401 χ^2/NDF: 1707.5/33

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 15.355+/-0.021 χ^2/NDF:477145.1/15

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

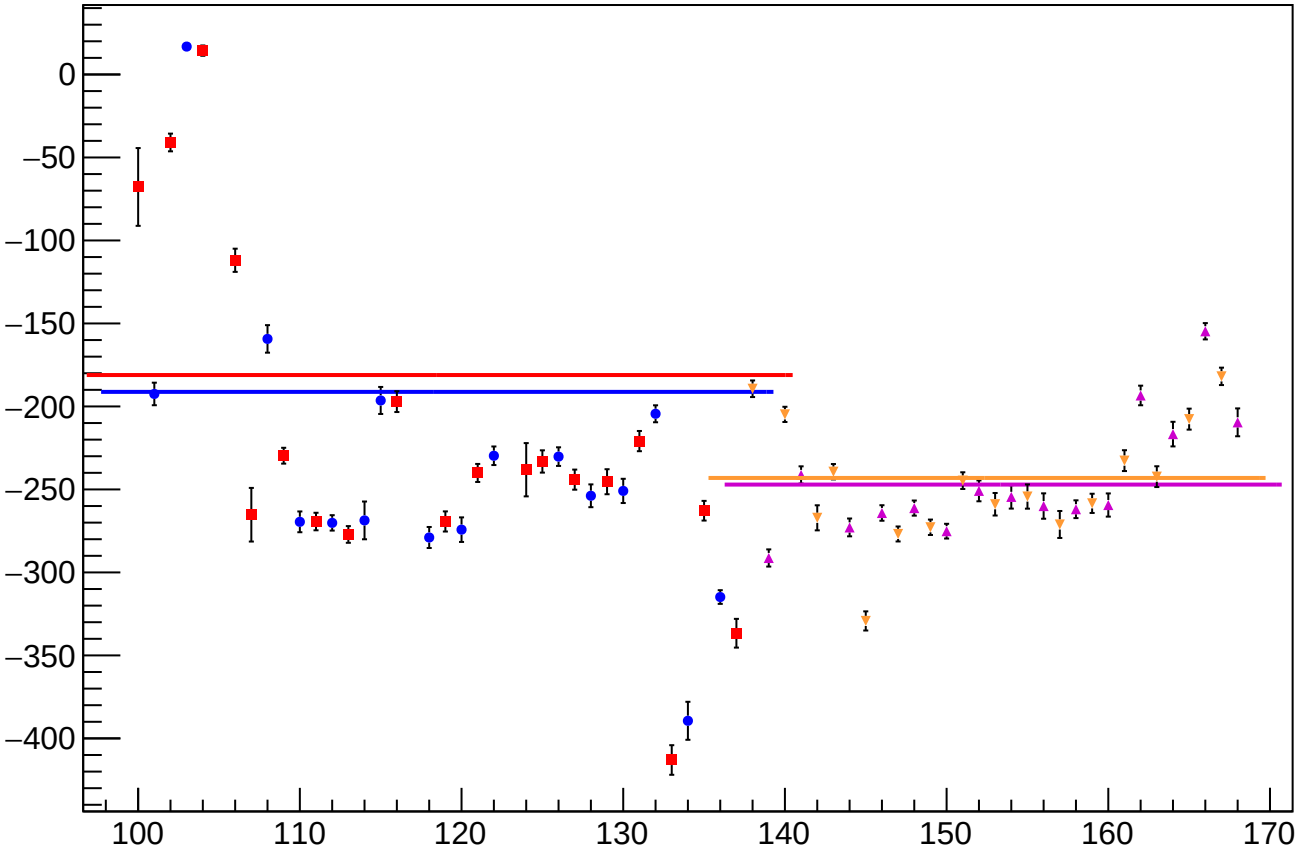
Left In: 16.605+/-0.020 χ^2/NDF:12946.7/14

+ sign 11.373+/-0.019 χ^2/NDF: 961230.9/31

All: 12.345+/-0.013 χ^2/NDF: 1378482.0/65

- sign 13.284+/-0.019 χ^2/NDF: 412050.3/33

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -243.083+/-1.394 χ^2/NDF:713.4/15

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

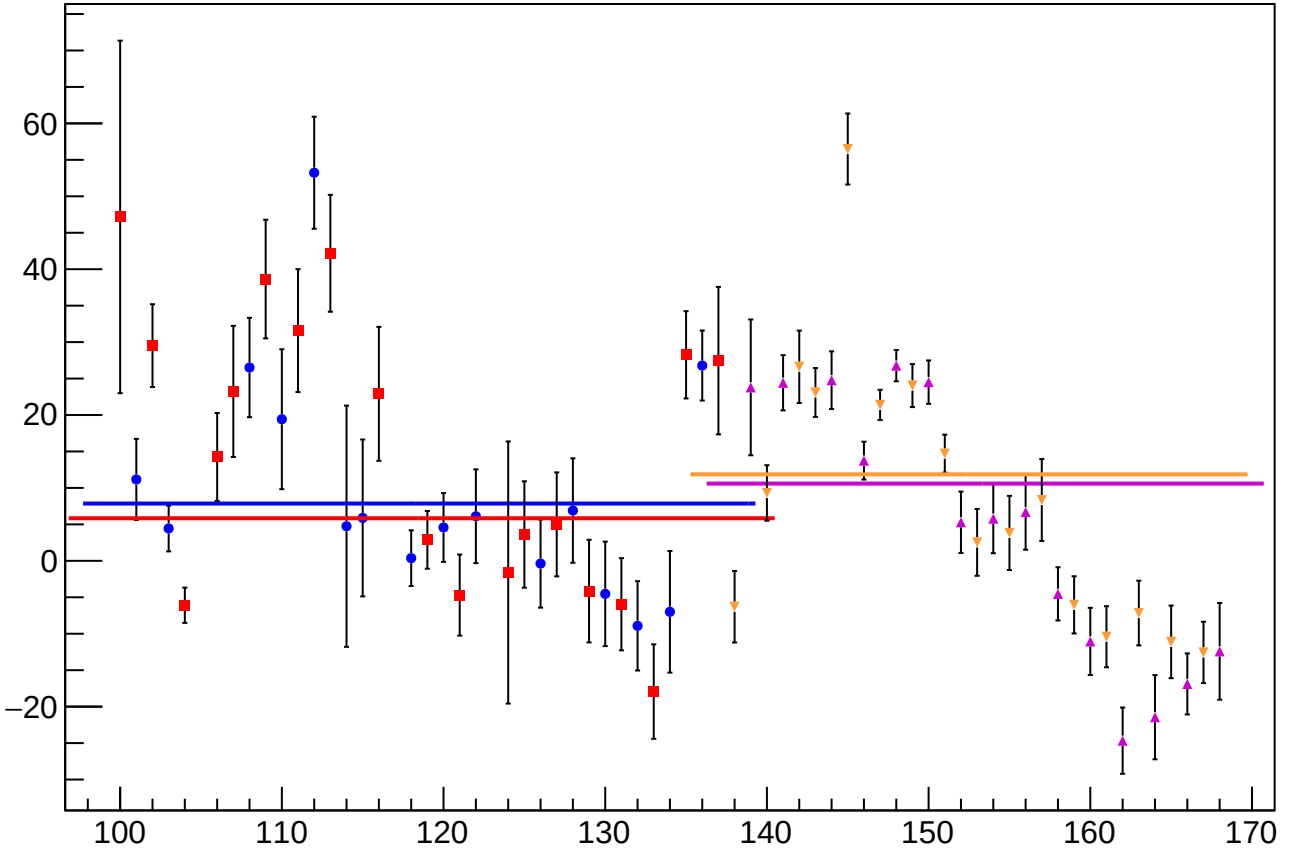
Left In: -247.082+/-1.452 χ^2/NDF:648.3/14

+ sign -217.602+/-0.994 χ^2/NDF: 8617.8/31

All: -215.047+/-0.706 χ^2/NDF: 17736.8/65

- sign -212.457+/-1.001 χ^2/NDF: 9105.7/33

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 11.865+/-0.927 χ^2/NDF:286.9/15

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

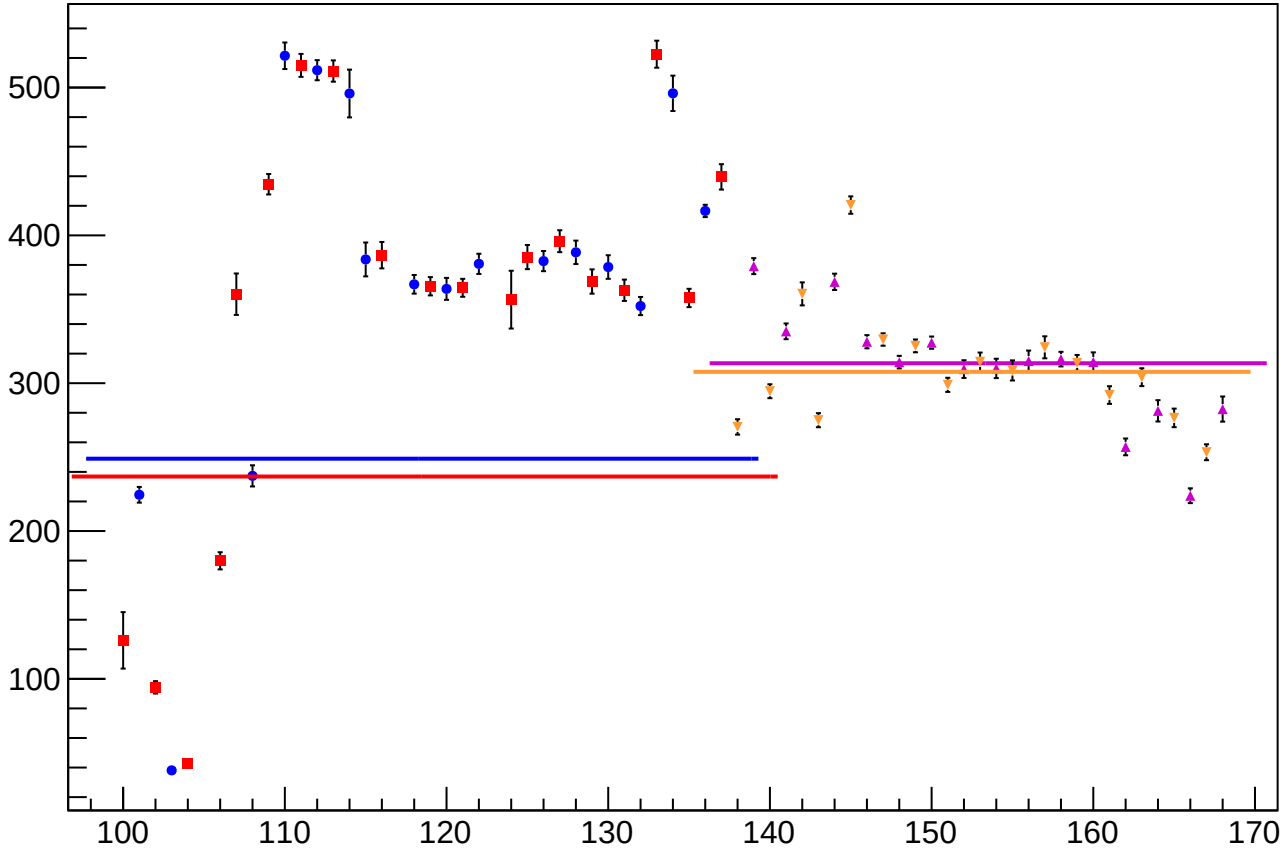
Left In: 10.598+/-0.979 χ^2/NDF:297.1/14

+ sign 10.690+/-0.779 χ^2/NDF: 373.3/31

All: 9.844+/-0.556 χ^2/NDF: 822.7/65

- sign 8.966+/-0.794 χ^2/NDF: 447.1/33

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 307.686+/-1.361 χ^2/NDF:707.5/15

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

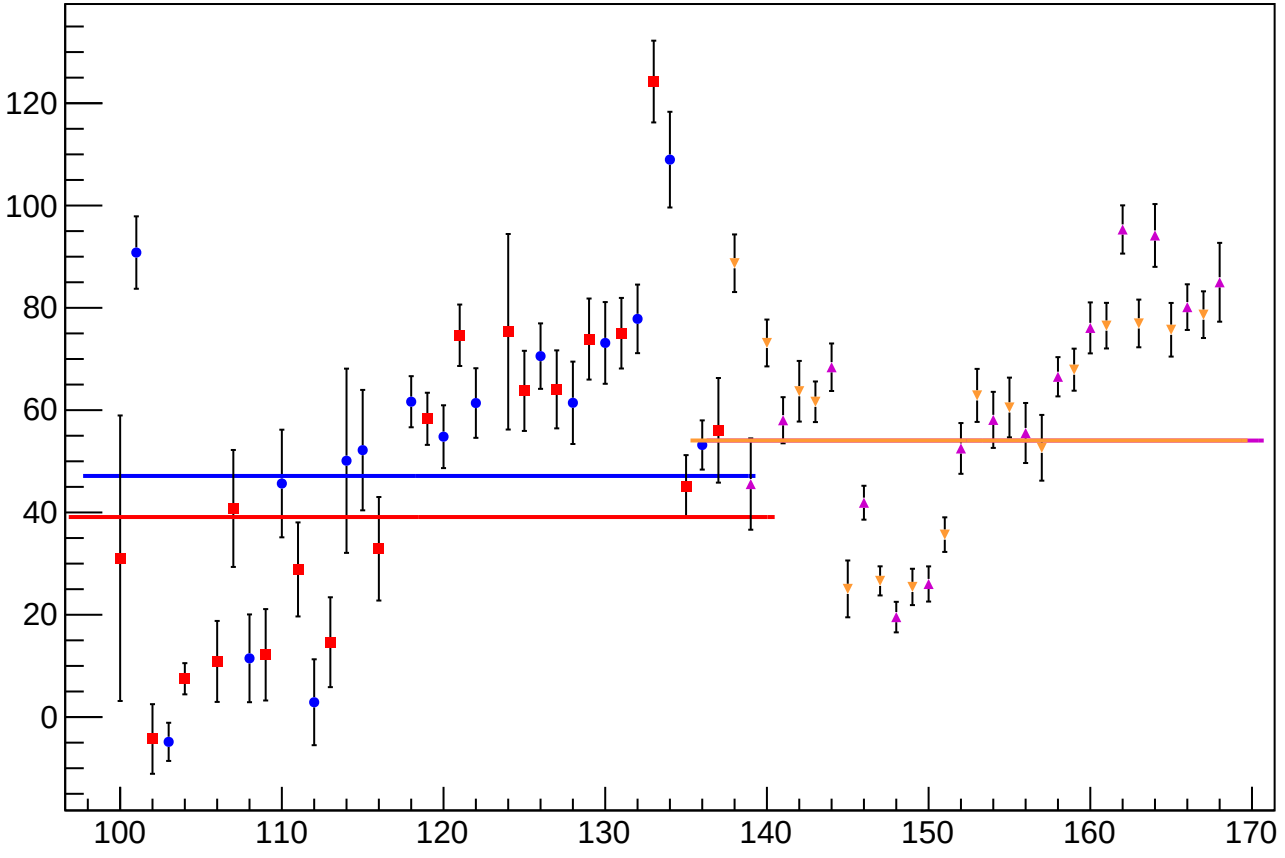
Left In: 313.495+/-1.407 χ^2/NDF:739.2/14

+ sign 279.589+/-0.983 χ^2/NDF: 16900.9/31

All: 277.413+/-0.699 χ^2/NDF: 34791.0/65

- sign 275.186+/-0.995 χ^2/NDF: 17880.2/33

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 54.067+/-1.101 χ^2/NDF:387.3/15

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

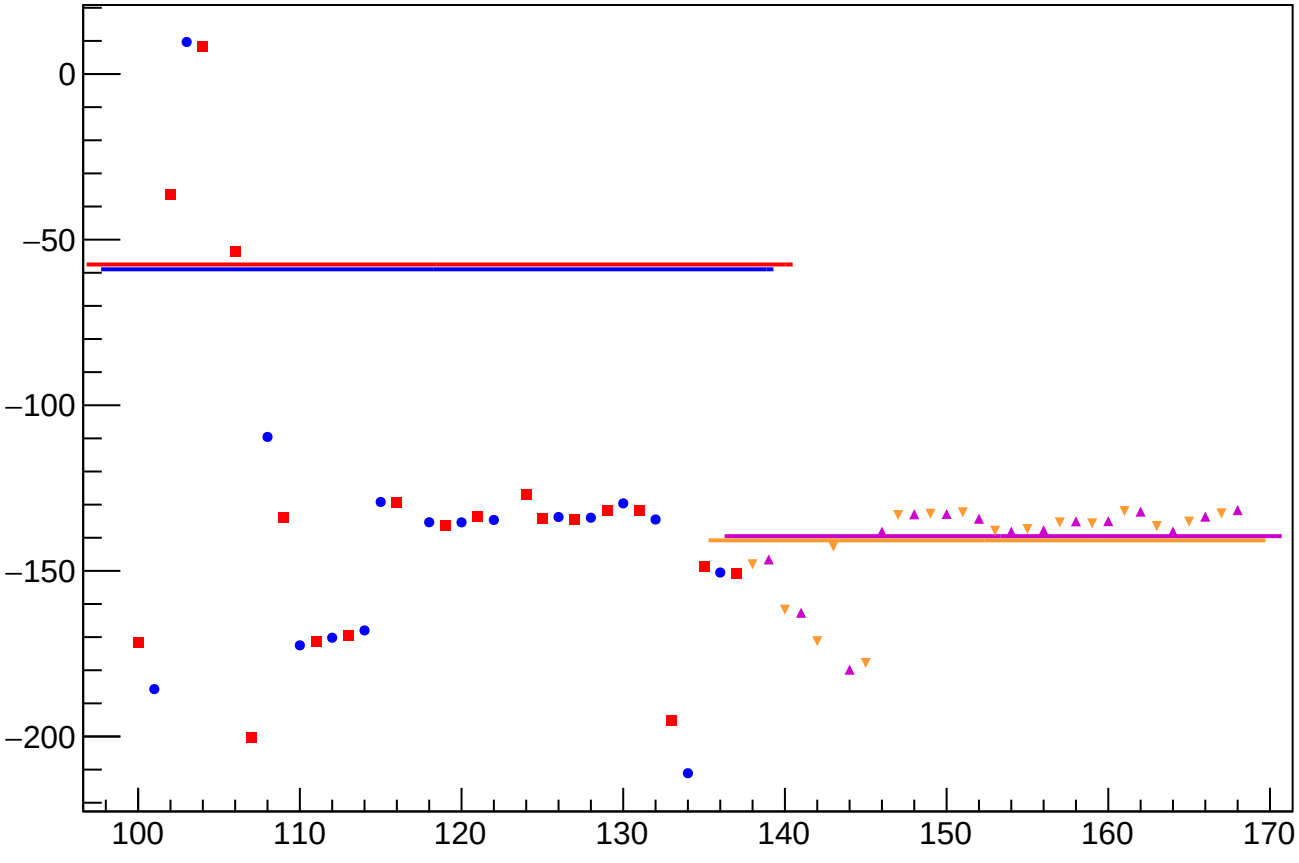
Left In: 54.057+/-1.158 χ^2/NDF:425.0/14

+ sign 51.963+/-0.919 χ^2/NDF: 784.7/31

All: 50.461+/-0.656 χ^2/NDF: 1689.1/65

- sign 48.899+/-0.937 χ^2/NDF: 899.0/33

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -140.779+/-0.053 χ^2/NDF:57202.8/15

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

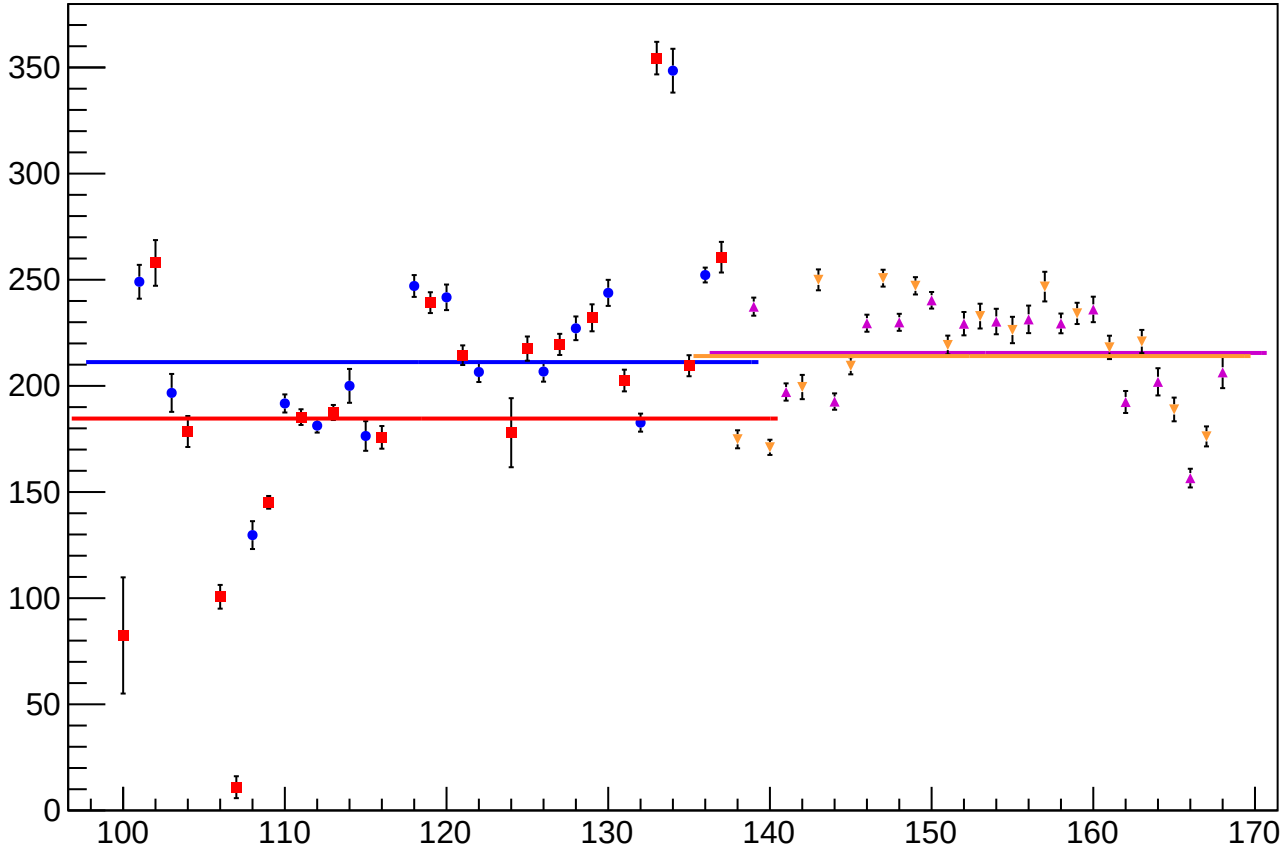
Left In: -139.519+/-0.054 χ^2/NDF:46732.2/14

+ sign -112.519+/-0.043 χ^2/NDF: 2115644.7/31

All: -111.929+/-0.030 χ^2/NDF: 3834521.5/65

- sign -111.315+/-0.044 χ^2/NDF: 1718486.6/33

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 214.054+/-1.195 χ^2/NDF:582.0/15

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

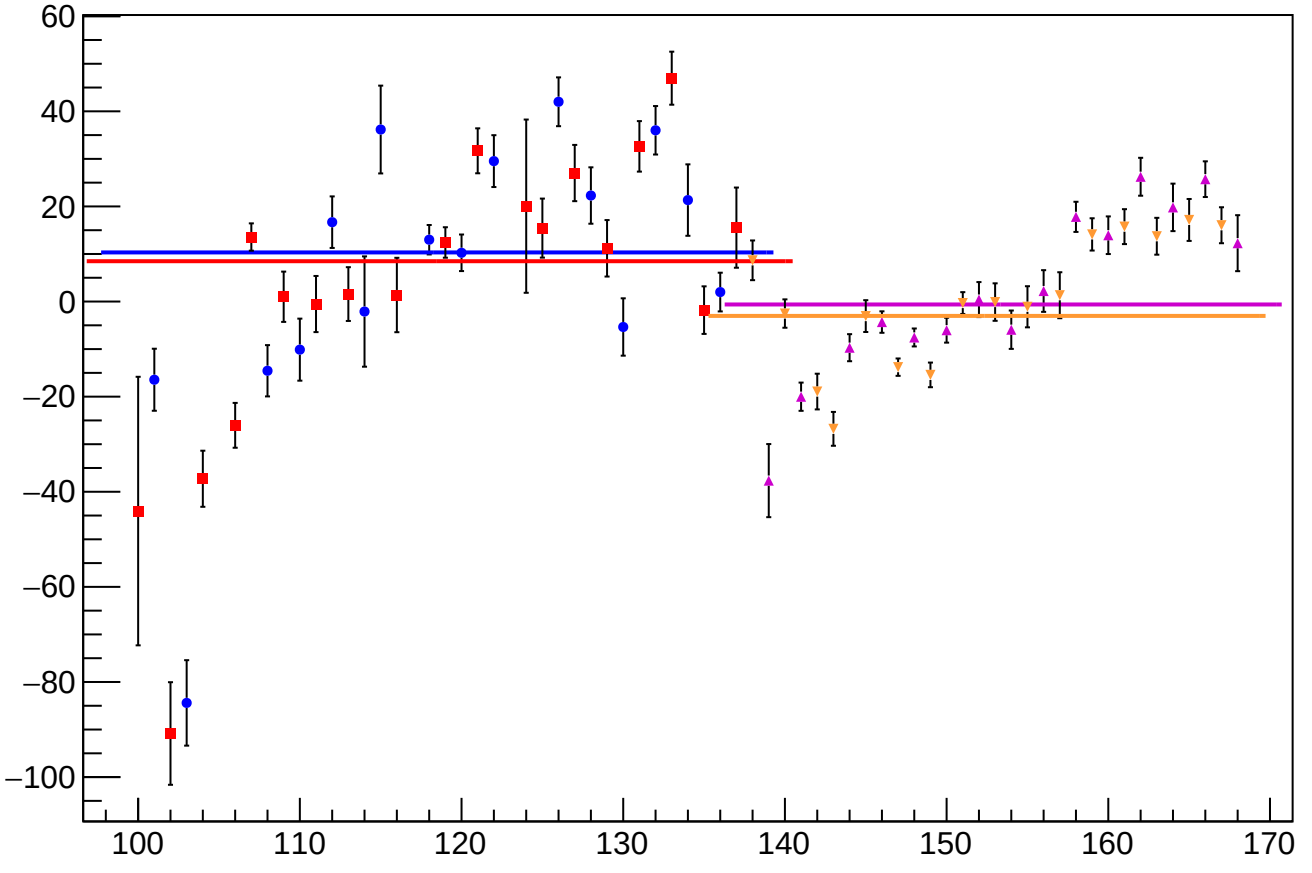
Left In: 215.514+/-1.228 χ^2/NDF:391.5/14

+ sign 212.747+/-0.878 χ^2/NDF: 1367.6/31

All: 206.017+/-0.613 χ^2/NDF: 4739.3/65

- sign 199.625+/-0.856 χ^2/NDF: 3257.3/33

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -3.021+/-0.801 χ^2/NDF:247.7/15

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

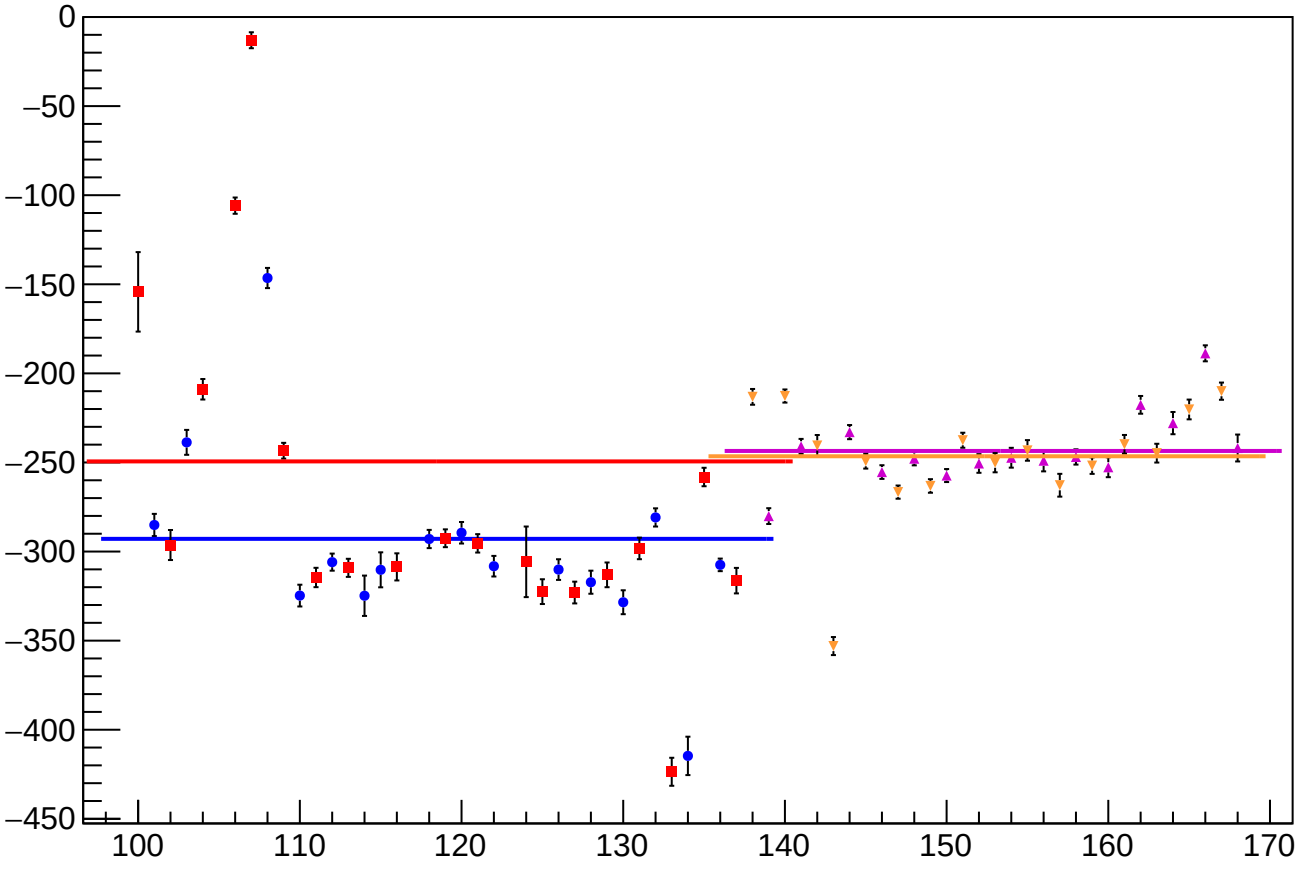
Left In: -0.616+/-0.836 χ^2/NDF:262.3/14

+ sign 0.524+/-0.687 χ^2/NDF: 584.7/31

All: 1.395+/-0.487 χ^2/NDF: 1210.2/65

- sign 2.276+/-0.691 χ^2/NDF: 622.3/33

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -246.524+/-1.169 χ^2/NDF:728.1/15

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

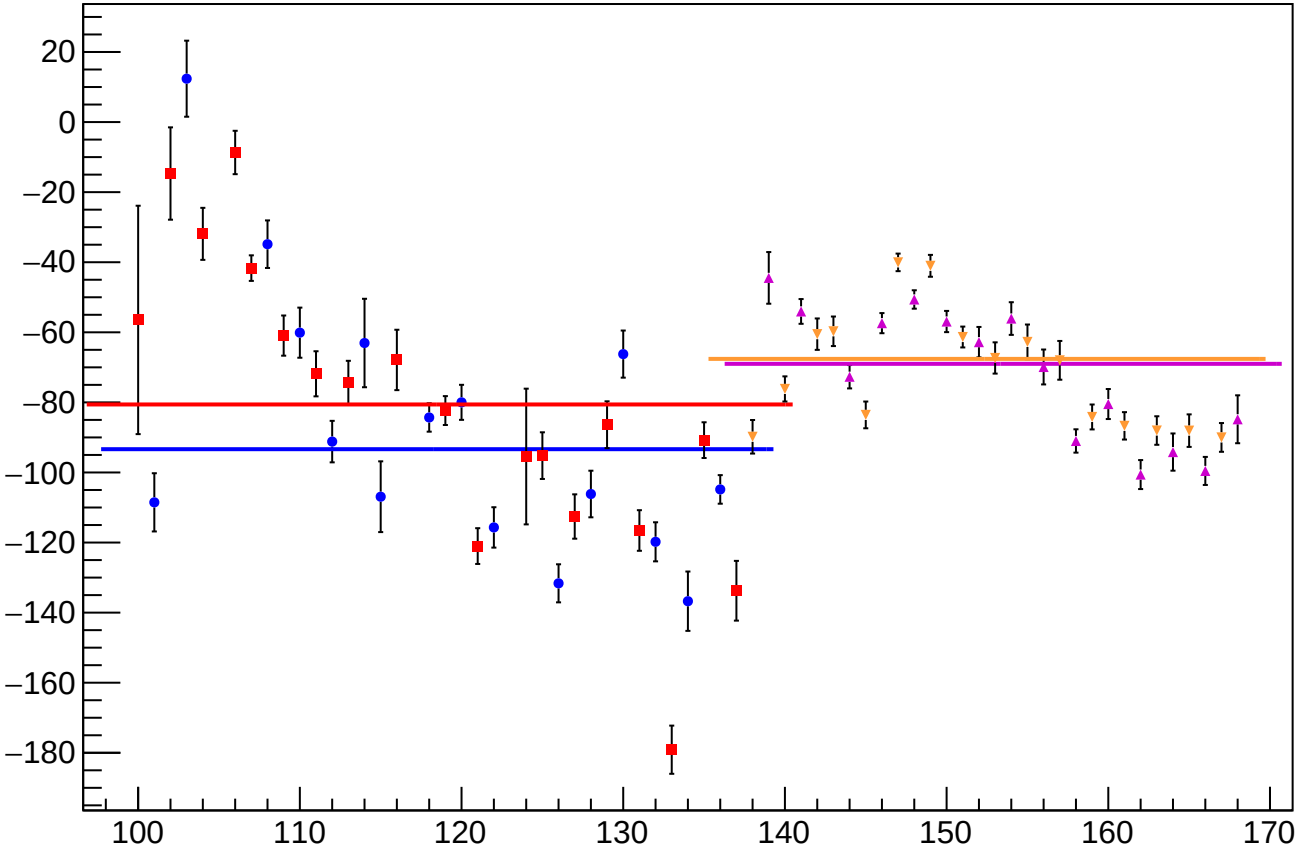
Left In: -243.539+/-1.193 χ^2/NDF:289.1/14

+ sign -264.513+/-0.914 χ^2/NDF: 2321.9/31

All: -255.143+/-0.641 χ^2/NDF: 8196.6/65

- sign -246.073+/-0.899 χ^2/NDF: 5668.1/33

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -67.585+/-0.951 χ^2/NDF:369.6/15

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

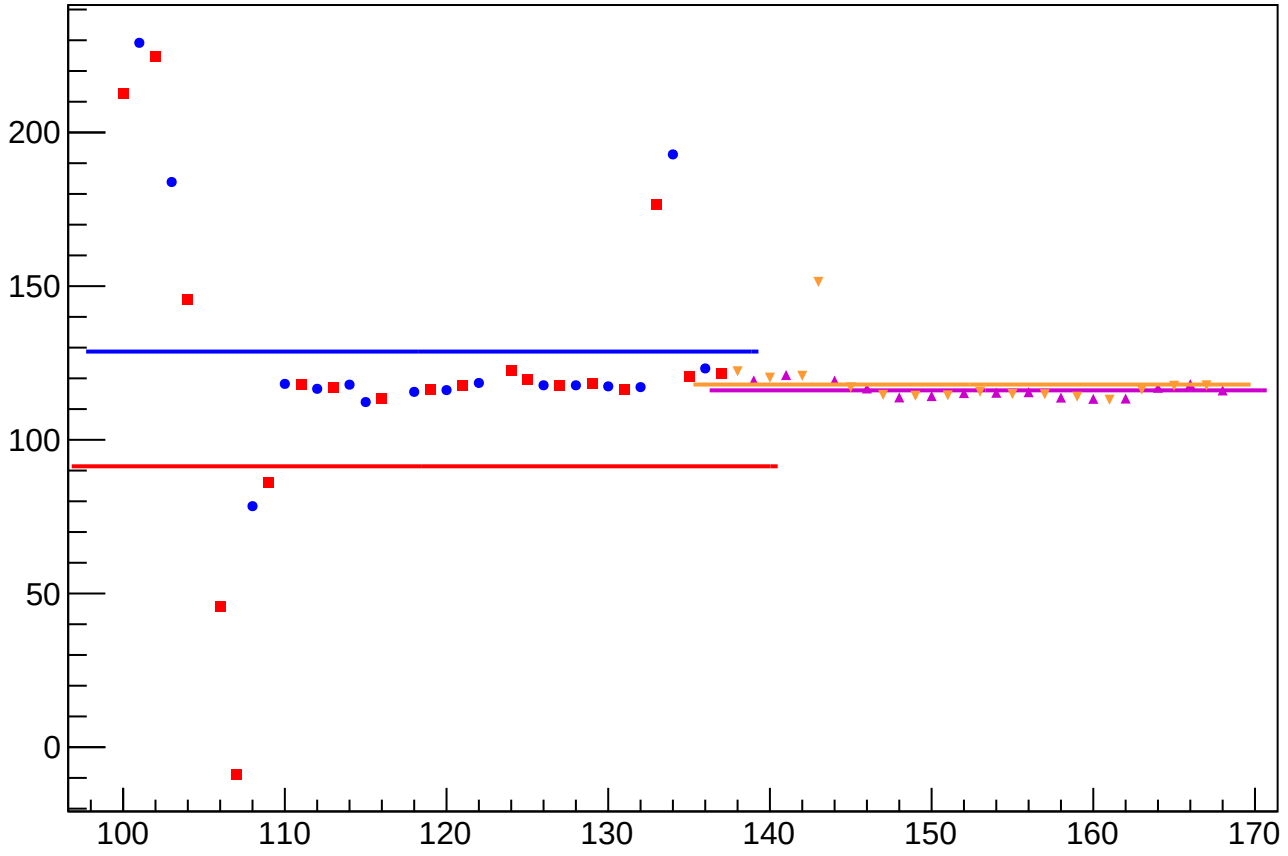
Left In: -68.997+/-0.987 χ^2/NDF:316.5/14

+ sign -74.740+/-0.808 χ^2/NDF: 928.7/31

All: -73.755+/-0.573 χ^2/NDF: 2008.3/65

- sign -72.762+/-0.811 χ^2/NDF: 1076.6/33

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.985+/-0.045 χ^2/NDF:29406.0/15

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

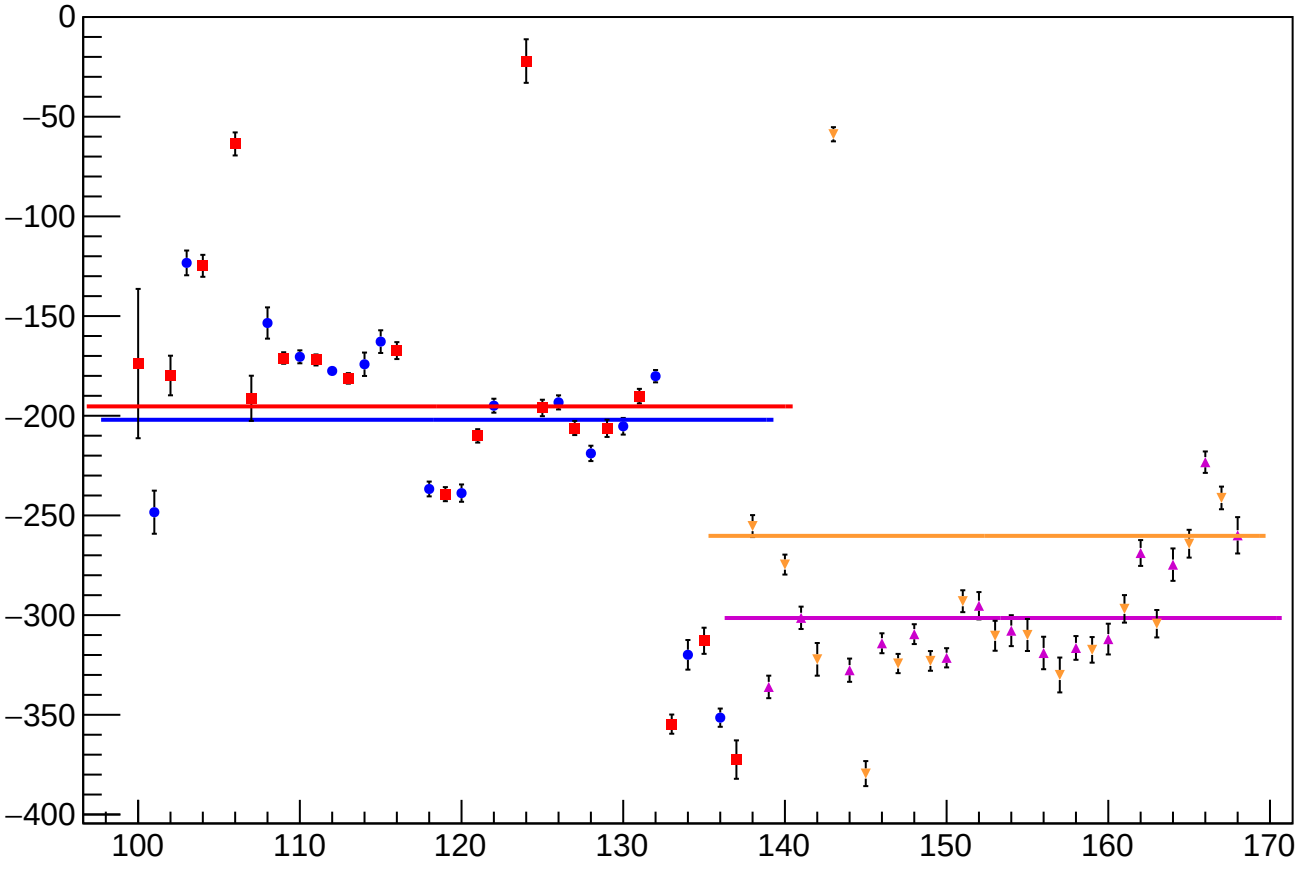
Left In: 116.096+/-0.046 χ^2/NDF:2822.9/14

+ sign 120.190+/-0.040 χ^2/NDF: 224441.2/31

All: 114.939+/-0.028 χ^2/NDF: 938465.9/65

- sign 109.893+/-0.040 χ^2/NDF: 680907.9/33

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -260.246+/-1.454 χ^2/NDF:4310.8/15

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

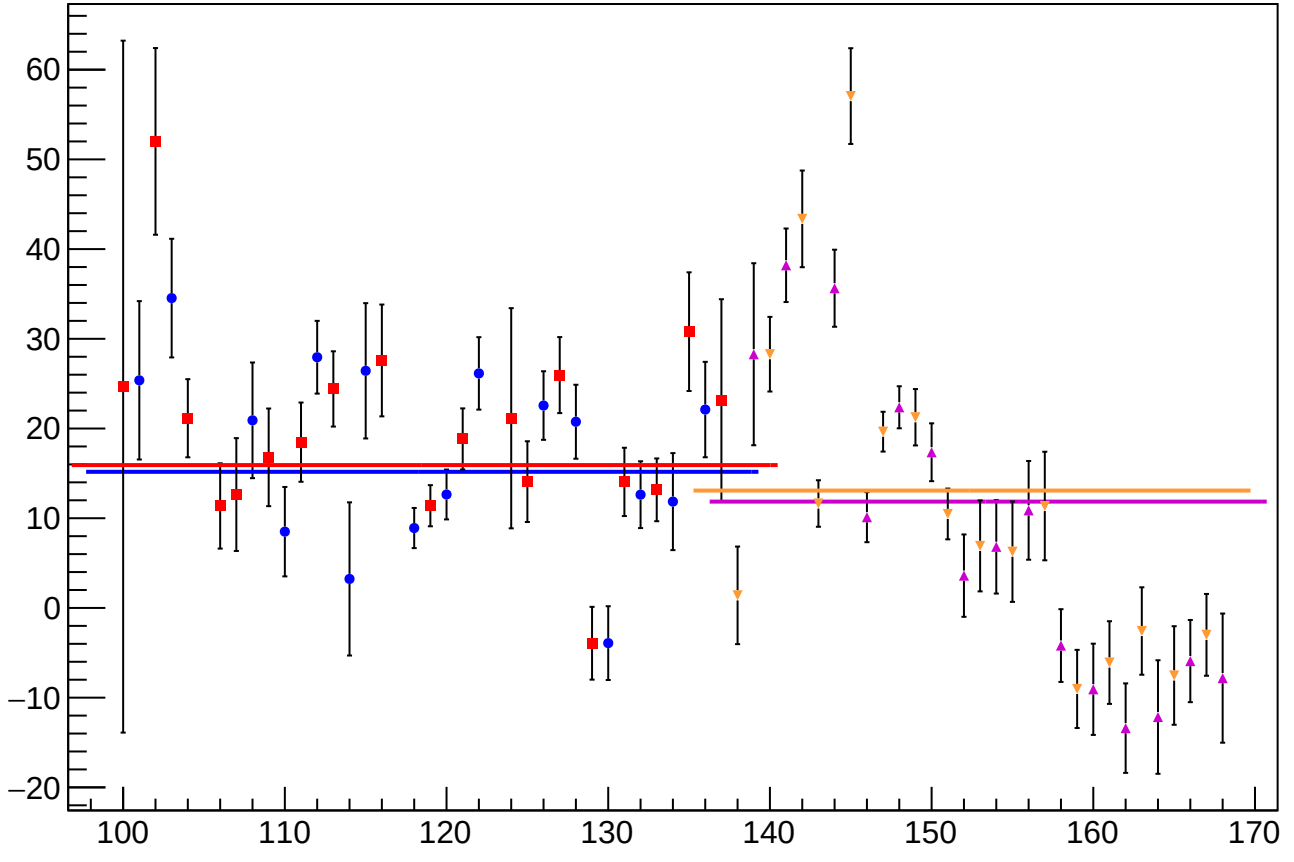
Left In: -301.450+/-1.582 χ^2/NDF:366.6/14

+ sign -221.333+/-0.837 χ^2/NDF: 7423.4/31

All: -222.931+/-0.589 χ^2/NDF: 14163.1/65

- sign -224.500+/-0.829 χ^2/NDF: 6732.5/33

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 13.086+/-0.971 χ^2/NDF:217.1/15

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

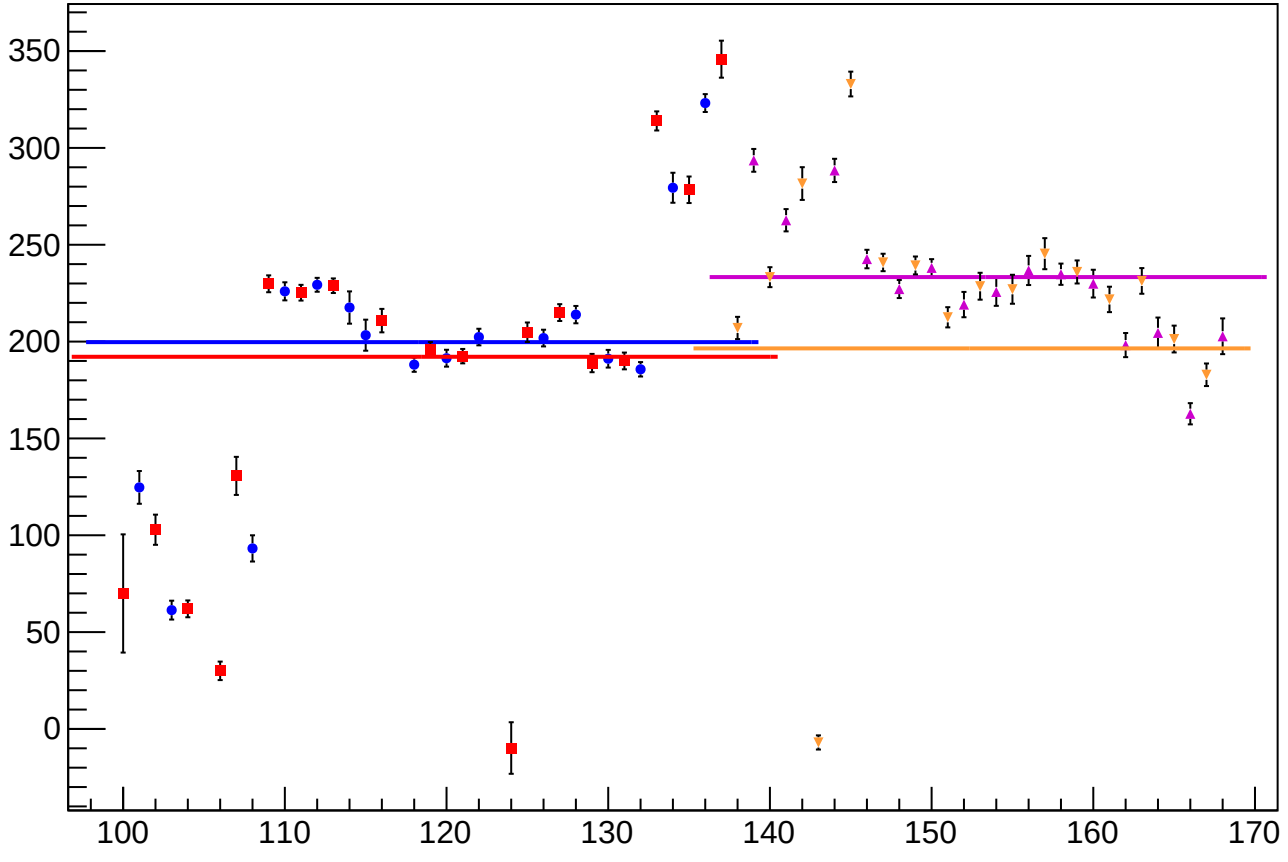
Left In: 11.853+/-1.066 χ^2/NDF:197.4/14

+ sign 14.051+/-0.712 χ^2/NDF: 291.5/31

All: 14.001+/-0.514 χ^2/NDF: 560.0/65

- sign 13.947+/-0.743 χ^2/NDF: 268.4/33

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 196.483+/-1.425 χ^2/NDF:4061.7/15

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

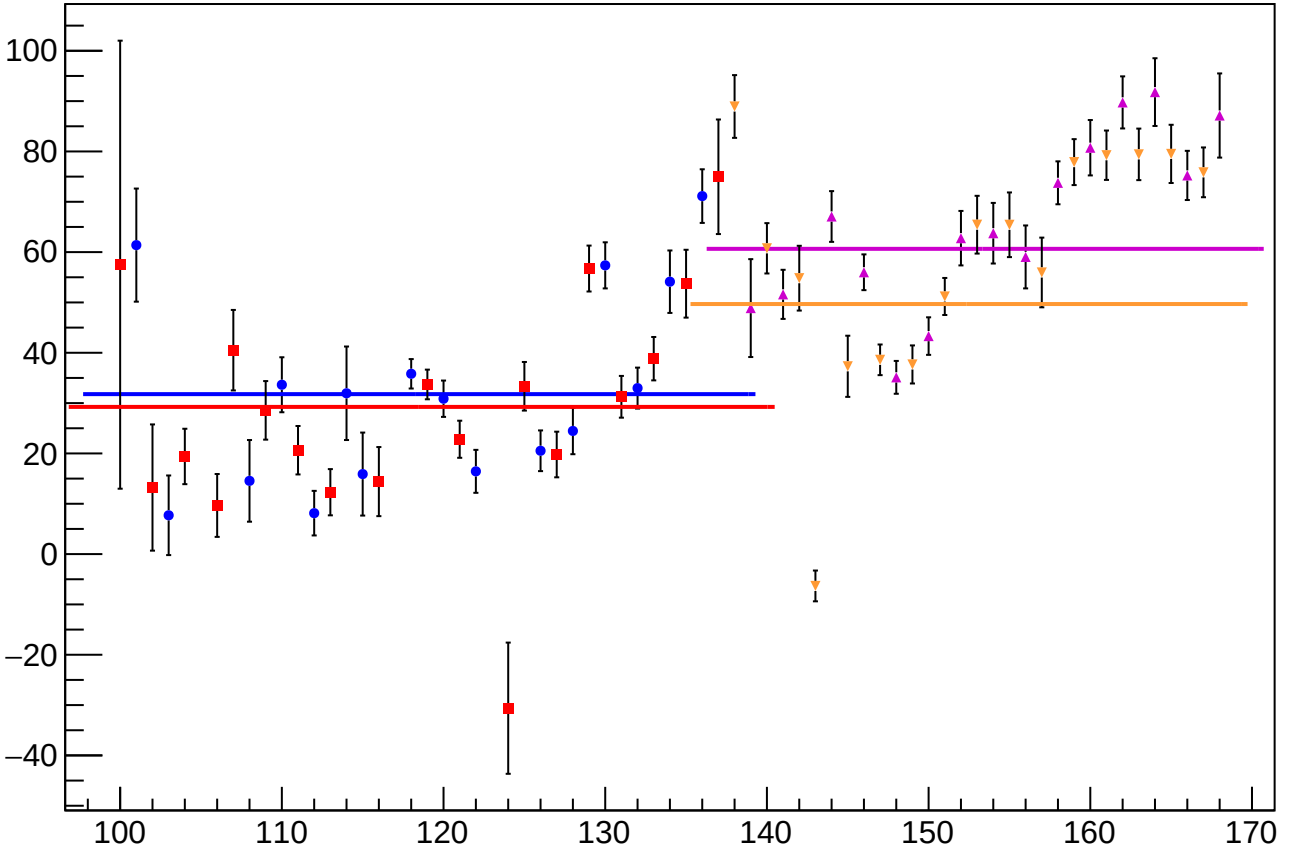
Left In: 233.313+/-1.532 χ^2/NDF:449.7/14

+ sign 198.383+/-0.916 χ^2/NDF: 6166.3/31

All: 202.670+/-0.649 χ^2/NDF: 10898.7/65

- sign 206.996+/-0.920 χ^2/NDF: 4688.3/33

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 49.682+/-1.155 χ^2/NDF:585.4/15

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

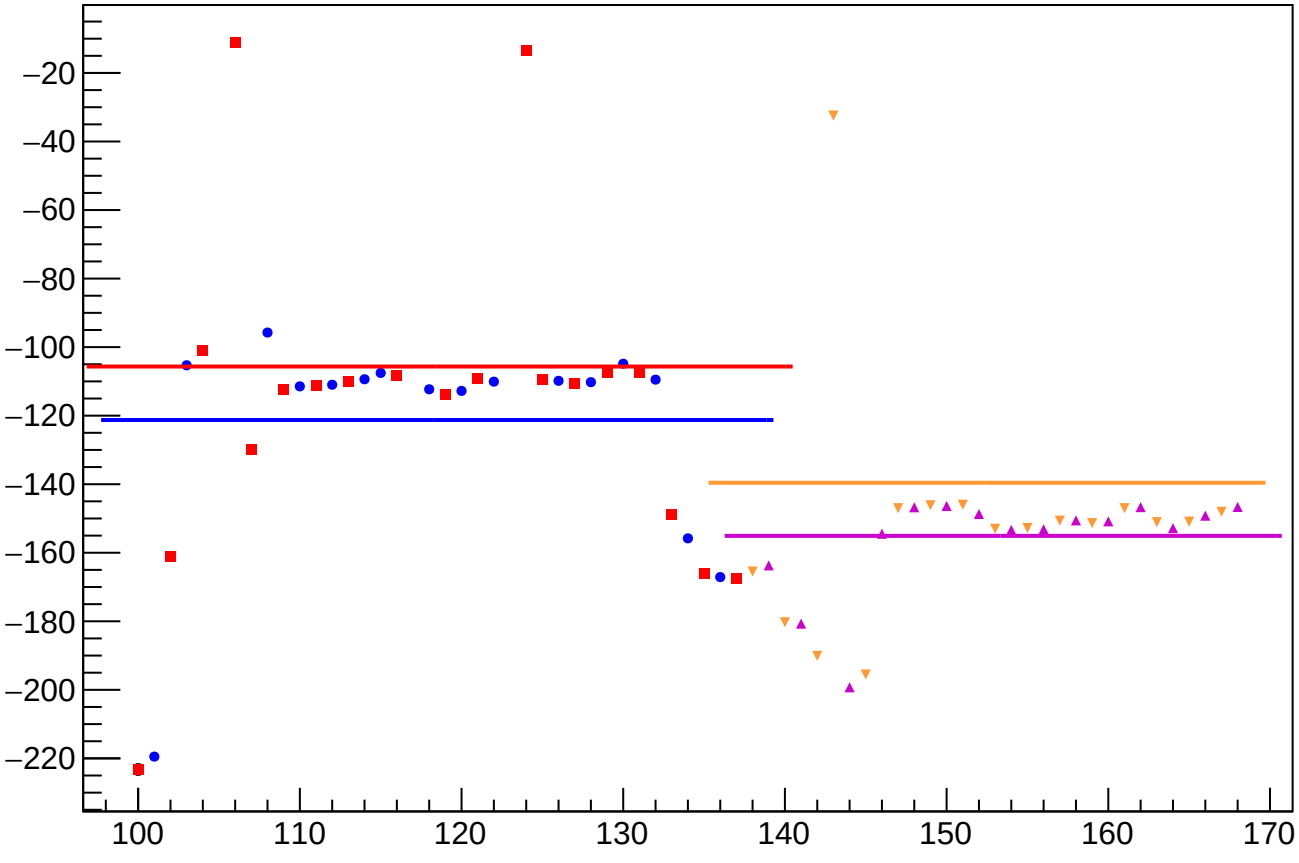
Left In: 60.650+/-1.262 χ^2/NDF:186.3/14

+ sign 41.196+/-0.838 χ^2/NDF: 876.2/31

All: 42.602+/-0.603 χ^2/NDF: 1535.4/65

- sign 44.113+/-0.868 χ^2/NDF: 653.3/33

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -139.572+/-0.056 χ^2/NDF:632439.0/15

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

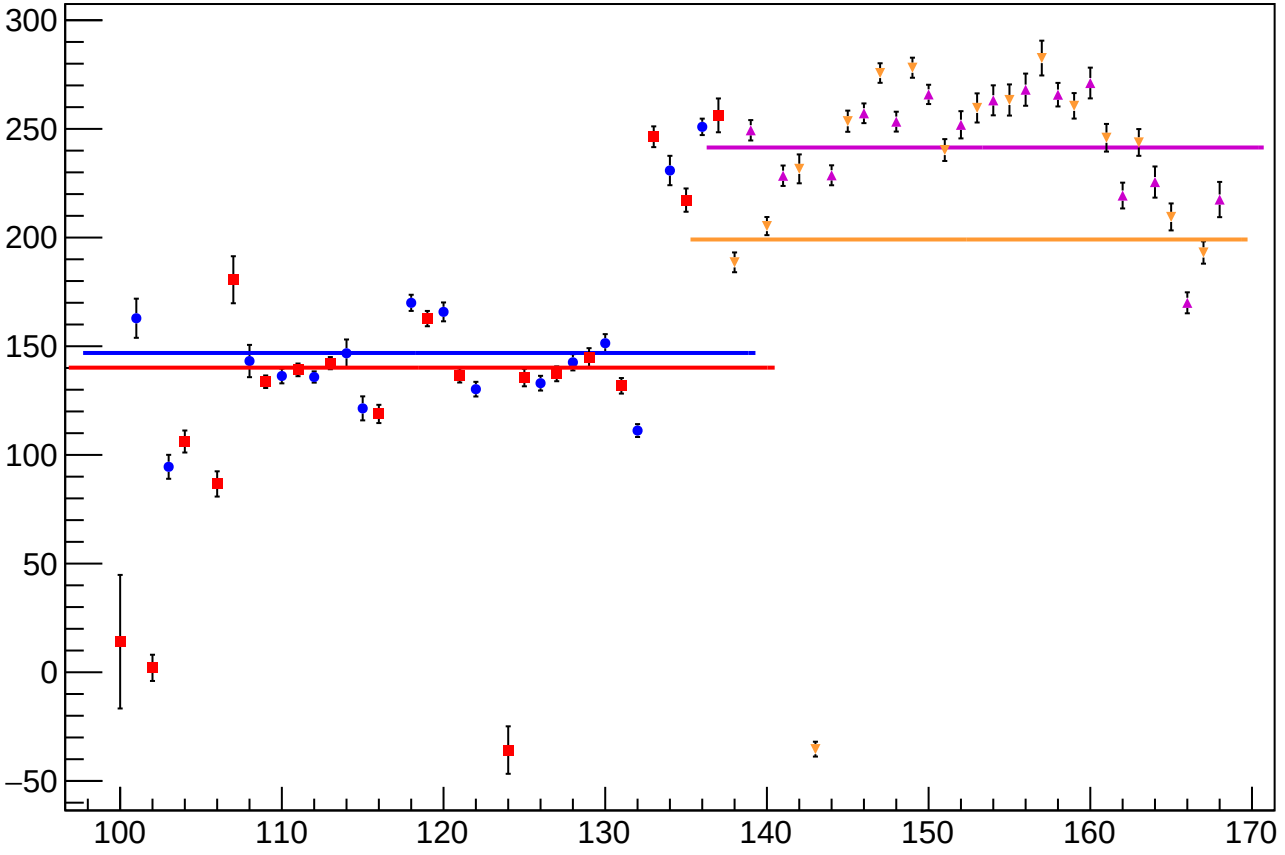
Left In: -155.070+/-0.059 χ^2/NDF:49153.5/14

+ sign -133.544+/-0.045 χ^2/NDF: 787641.0/31

All: -134.879+/-0.032 χ^2/NDF: 1464482.5/65

- sign -136.251+/-0.046 χ^2/NDF: 675094.1/33

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 199.114+/-1.298 χ^2/NDF:6001.2/15

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

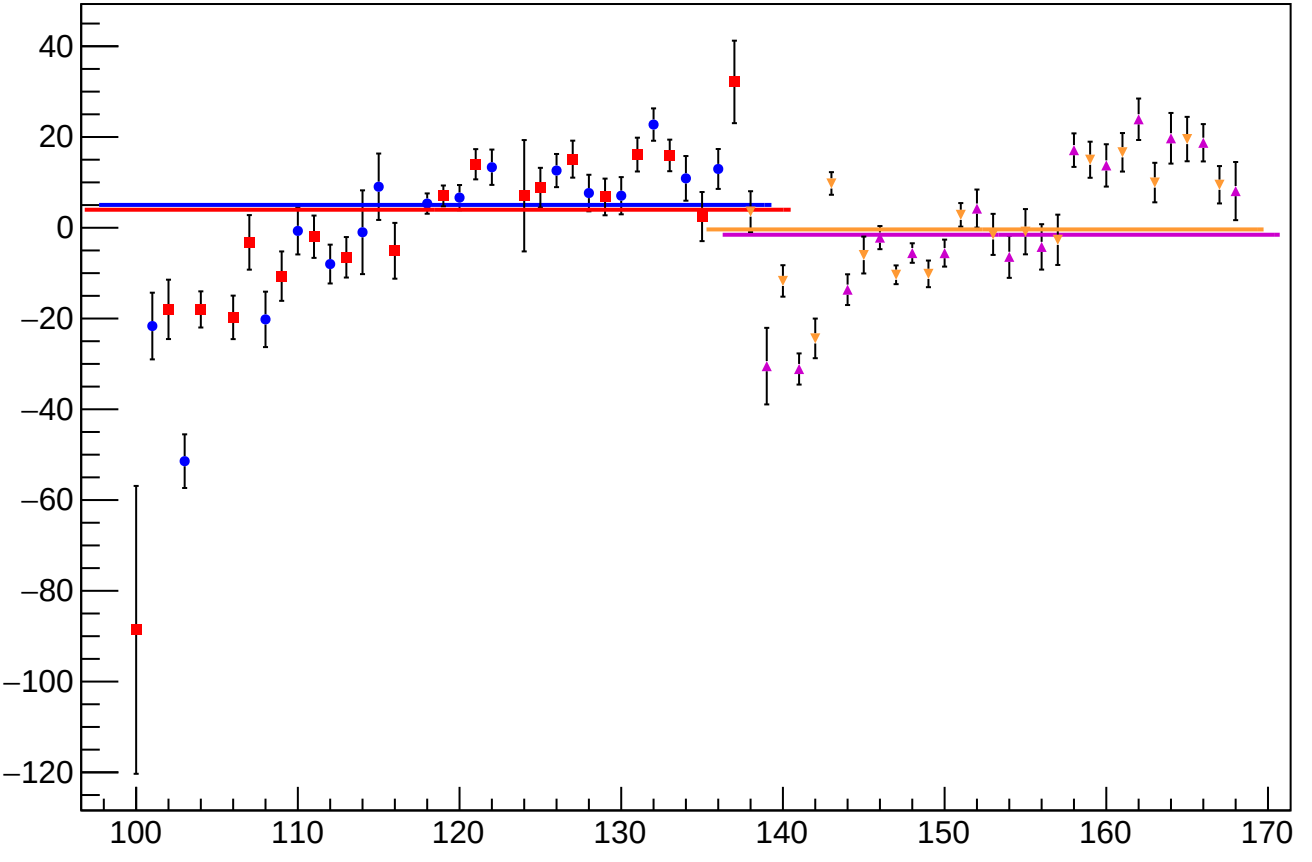
Left In: 241.438+/-1.400 χ^2/NDF:377.3/14

\+ sign 166.429+/-0.794 χ^2/NDF: 8315.9/31

All: 169.498+/-0.561 χ^2/NDF: 14233.9/65

\- sign 172.552+/-0.792 χ^2/NDF: 5888.2/33

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -0.365+/-0.877 χ^2/NDF:155.3/15

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

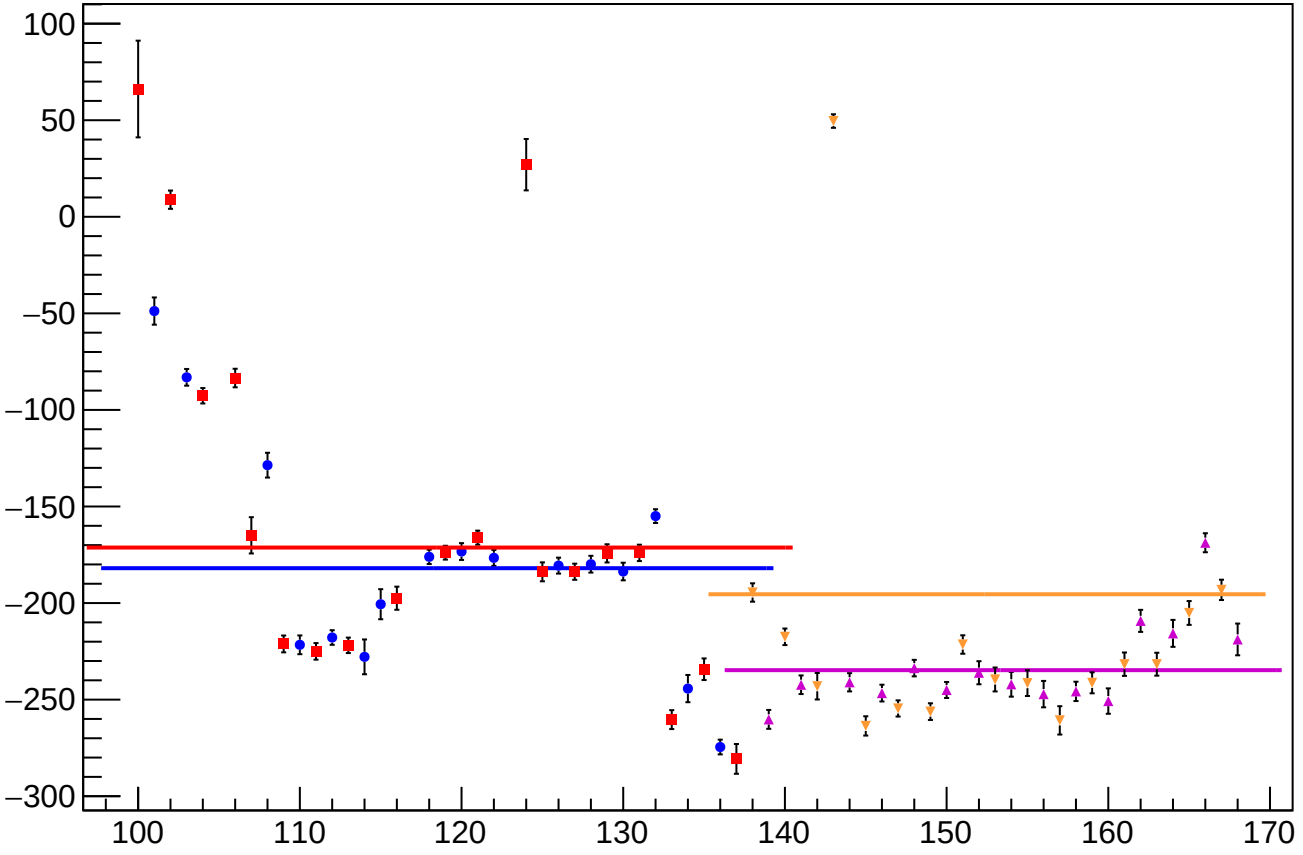
Left In: -1.537+/-0.956 χ^2/NDF:215.7/14

+ sign 1.930+/-0.665 χ^2/NDF: 343.2/31

All: 1.514+/-0.481 χ^2/NDF: 720.3/65

- sign 1.061+/-0.695 χ^2/NDF: 376.3/33

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -195.437+/-1.276 χ^2/NDF:5866.7/15

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

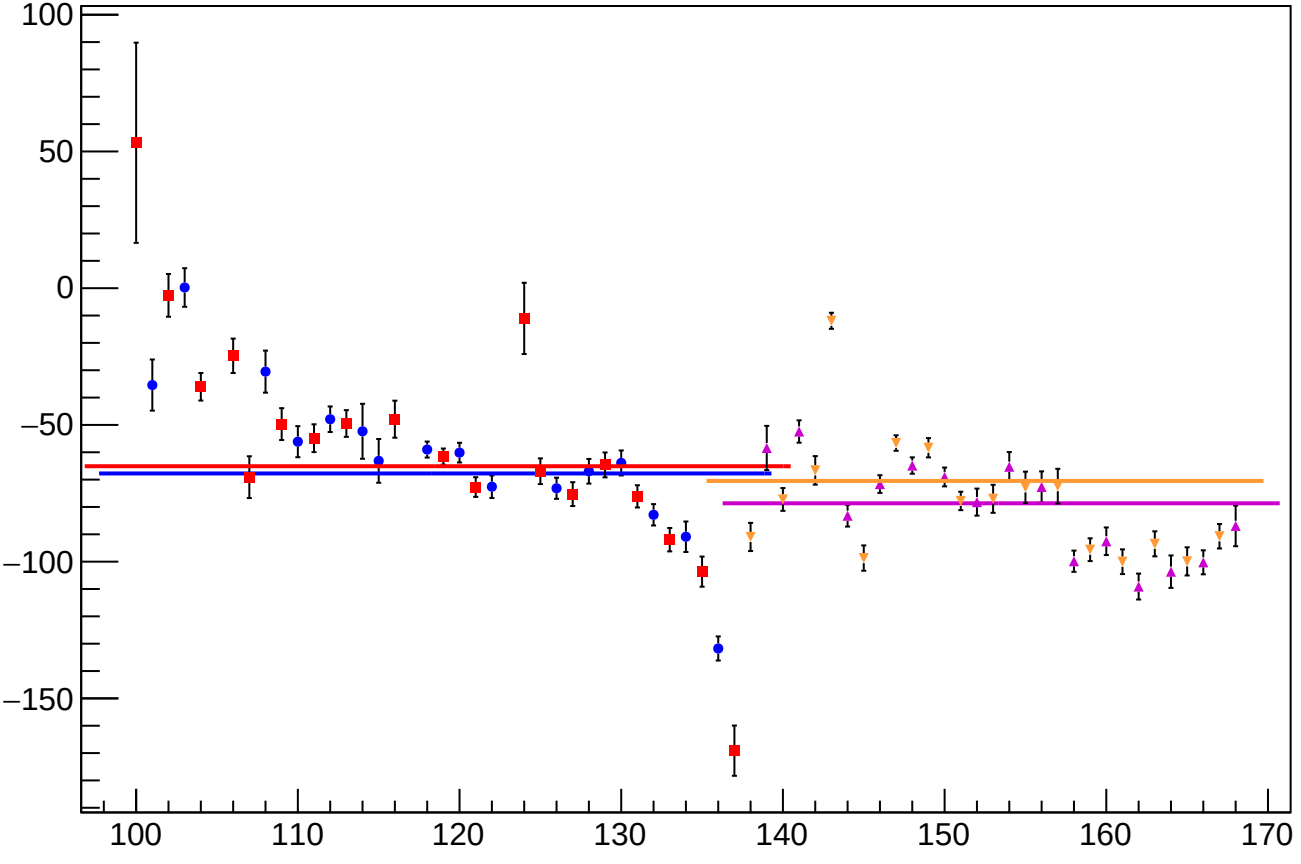
Left In: -234.740+/-1.361 χ^2/NDF:271.3/14

+ sign -188.018+/-0.856 χ^2/NDF: 7798.6/31

All: -192.311+/-0.607 χ^2/NDF: 13054.4/65

- sign -196.653+/-0.861 χ^2/NDF: 5205.1/33

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -70.472+/-1.041 χ^2/NDF:652.7/15

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

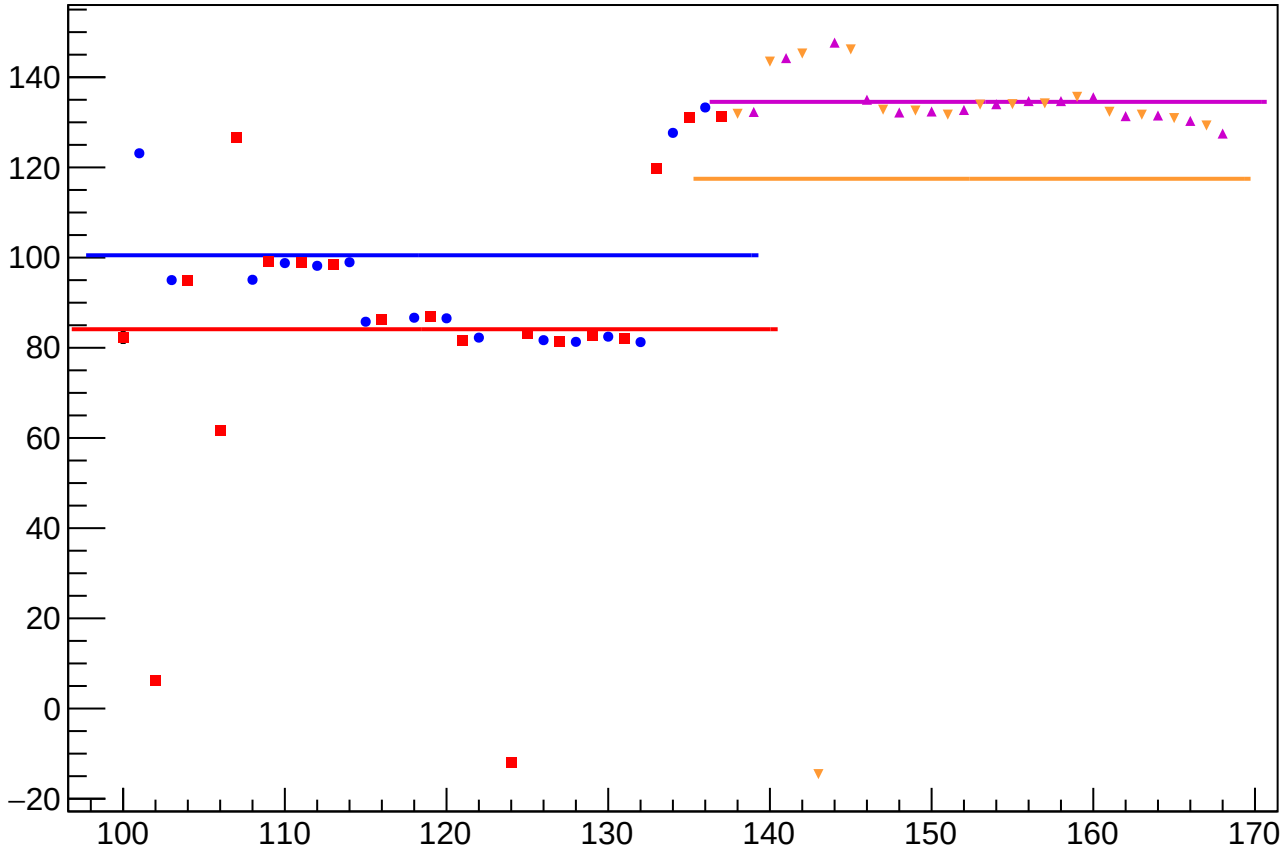
Left In: -78.655+/-1.129 χ^2/NDF:211.7/14

+ sign -69.280+/-0.781 χ^2/NDF: 1069.7/31

All: -70.638+/-0.563 χ^2/NDF: 1786.4/65

- sign -72.103+/-0.811 χ^2/NDF: 710.4/33

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 117.480+/-0.050 χ^2/NDF:934460.6/15

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

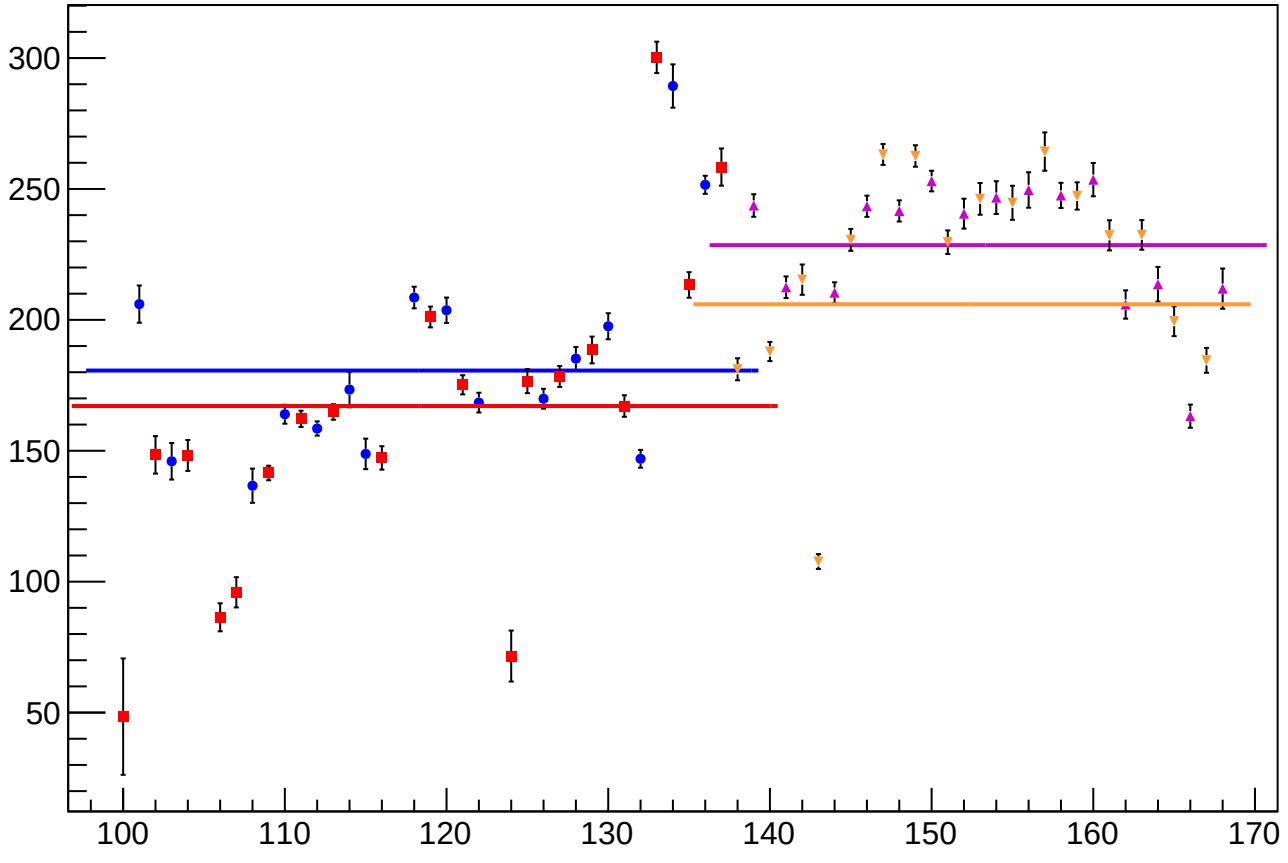
Left In: 134.537+/-0.052 χ^2/NDF:8311.4/14

+ sign 112.199+/-0.041 χ^2/NDF: 1038148.7/31

All: 114.218+/-0.029 χ^2/NDF: 1653629.5/65

- sign 116.275+/-0.042 χ^2/NDF: 610648.7/33

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: 205.953+/-1.150 χ^2/NDF:1986.3/15

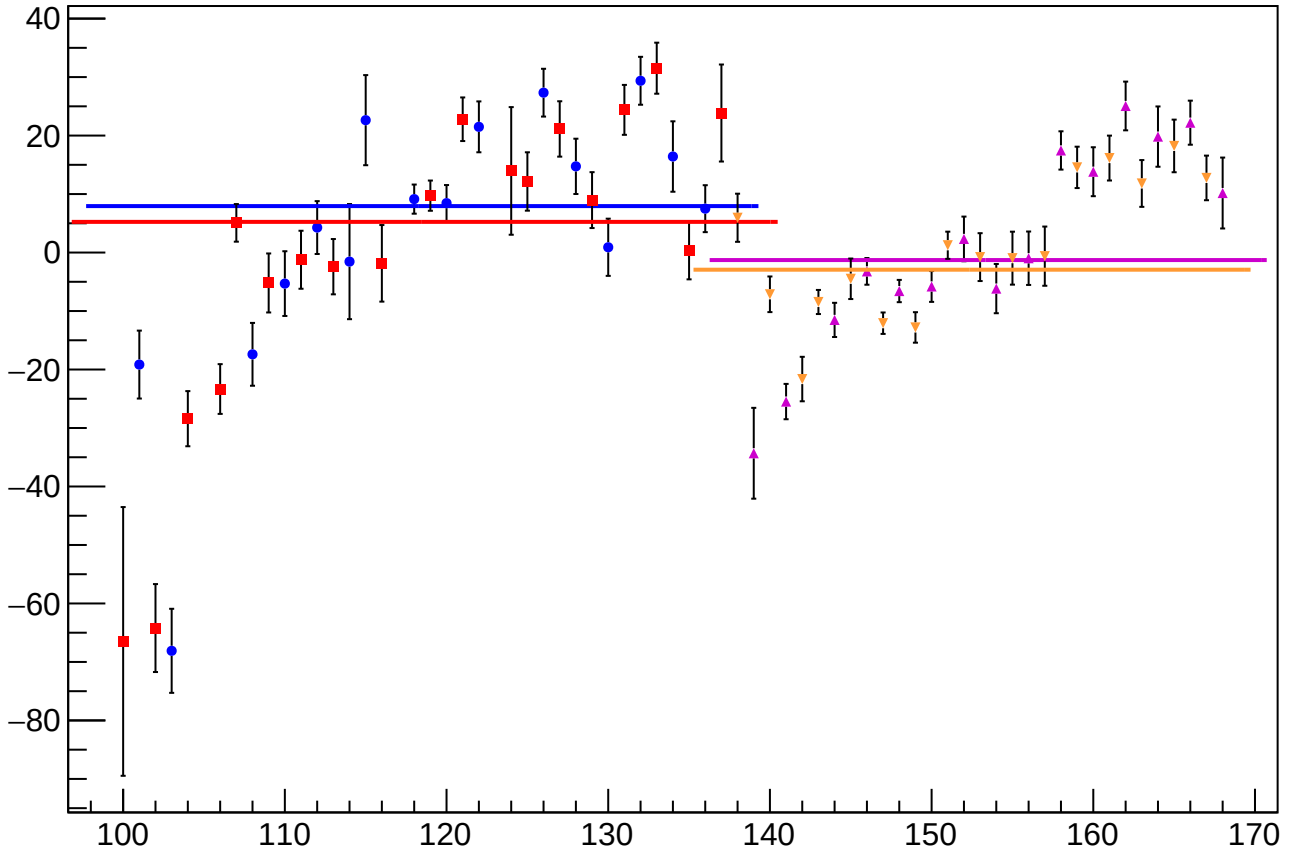
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.533+/-1.256 χ^2/NDF:410.3/14

+ sign 192.612+/-0.791 χ^2/NDF: 3235.1/31

All: 192.074+/-0.560 χ^2/NDF: 6571.3/65

- sign 191.534+/-0.792 χ^2/NDF: 3335.2/33



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.933+/-0.776 χ^2/NDF:183.2/15

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

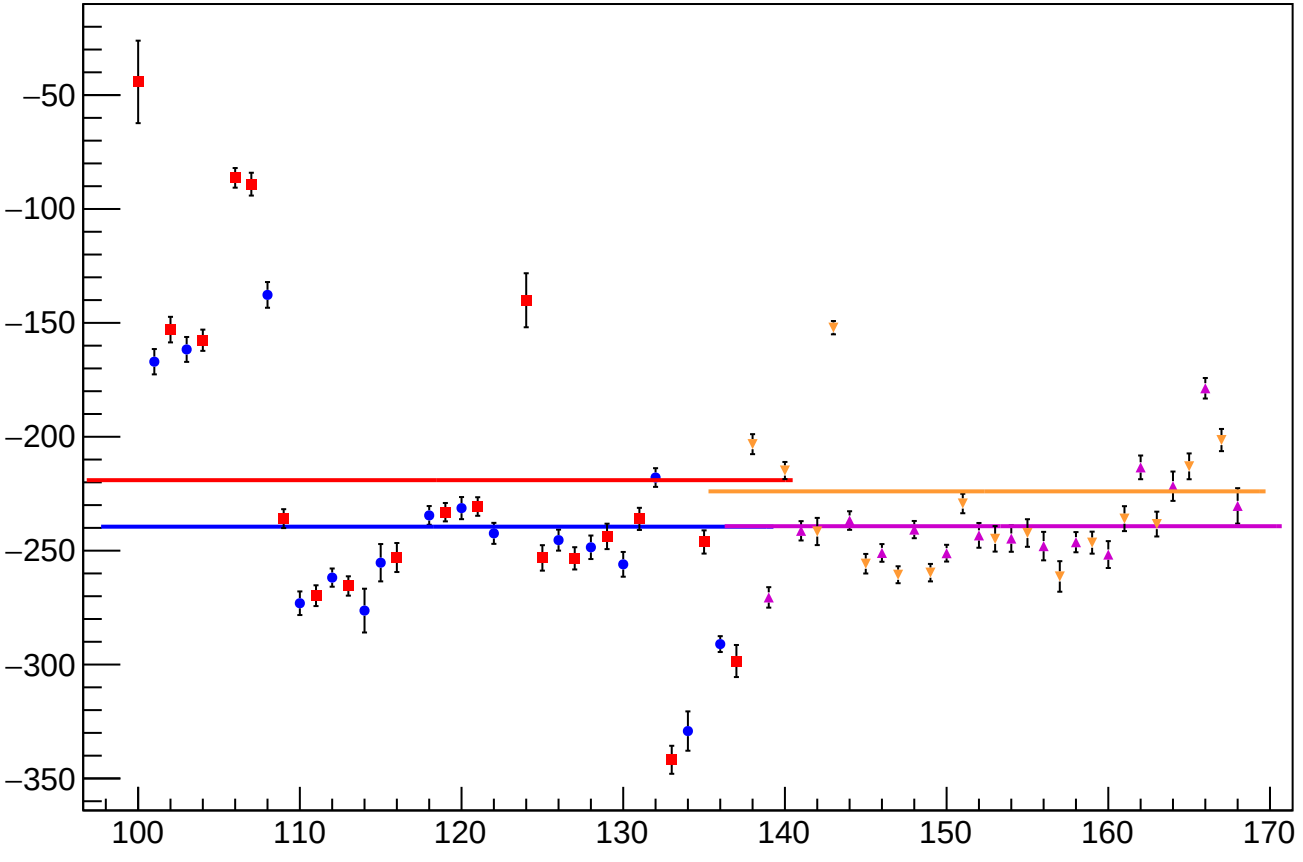
Left In: -1.285+/-0.854 χ^2/NDF:253.2/14

+ sign 0.623+/-0.637 χ^2/NDF: 480.3/31

All: 0.936+/-0.460 χ^2/NDF: 1059.8/65

- sign 1.278+/-0.666 χ^2/NDF: 579.0/33

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: -223.966+/-1.131 χ^2/NDF:993.8/15

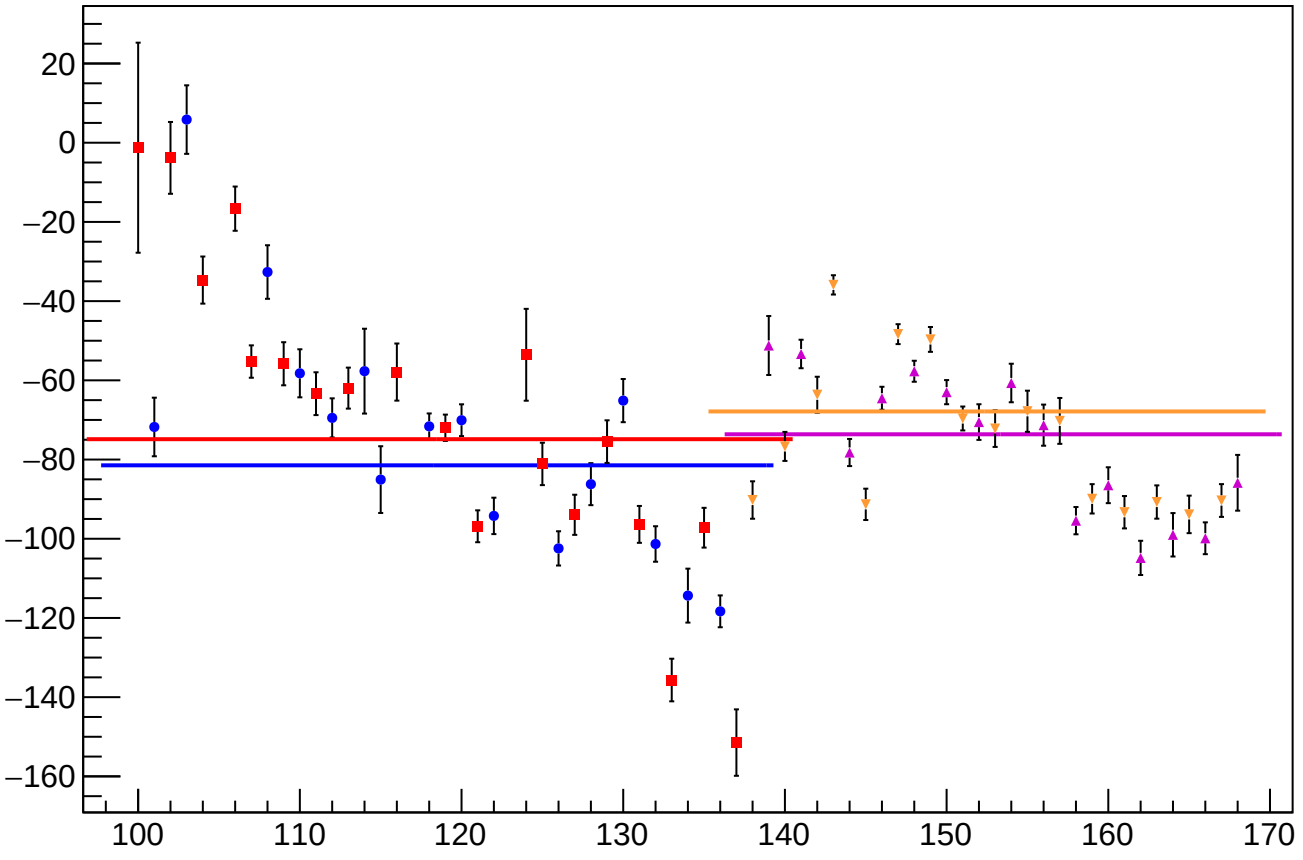
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.262+/-1.221 χ^2/NDF:292.9/14

+ sign -230.975+/-0.837 χ^2/NDF: 2240.9/31

All: -229.891+/-0.596 χ^2/NDF: 5728.6/65

- sign -228.781+/-0.847 χ^2/NDF: 3484.2/33



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -67.855+/-0.922 χ^2/NDF:495.0/15

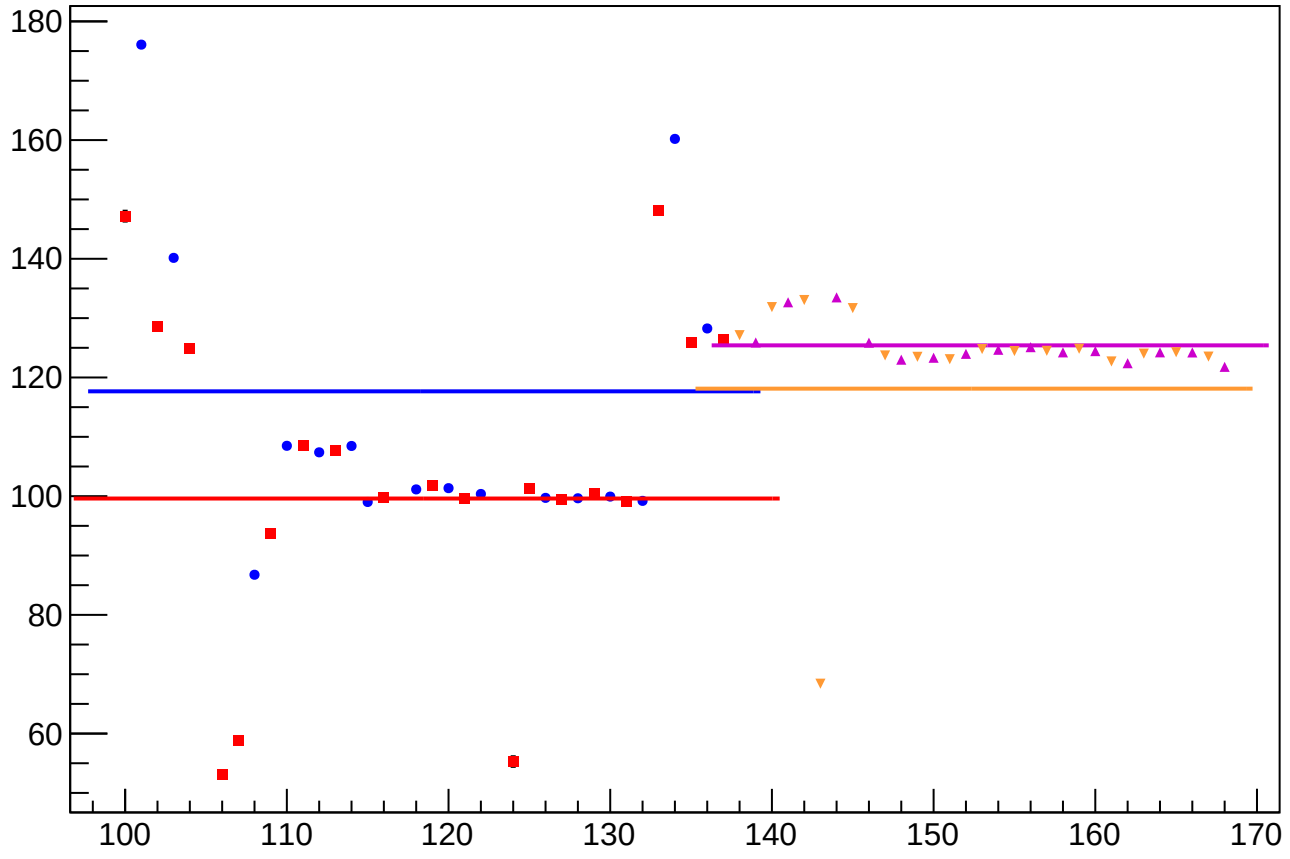
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -73.622+/-1.010 χ^2/NDF:276.0/14

\+ sign -72.473+/-0.750 χ^2/NDF: 935.4/31

All: -73.264+/-0.541 χ^2/NDF: 1790.9/65

\- sign -74.121+/-0.781 χ^2/NDF: 853.2/33



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 118.118+/-0.044 χ^2/NDF:197406.9/15

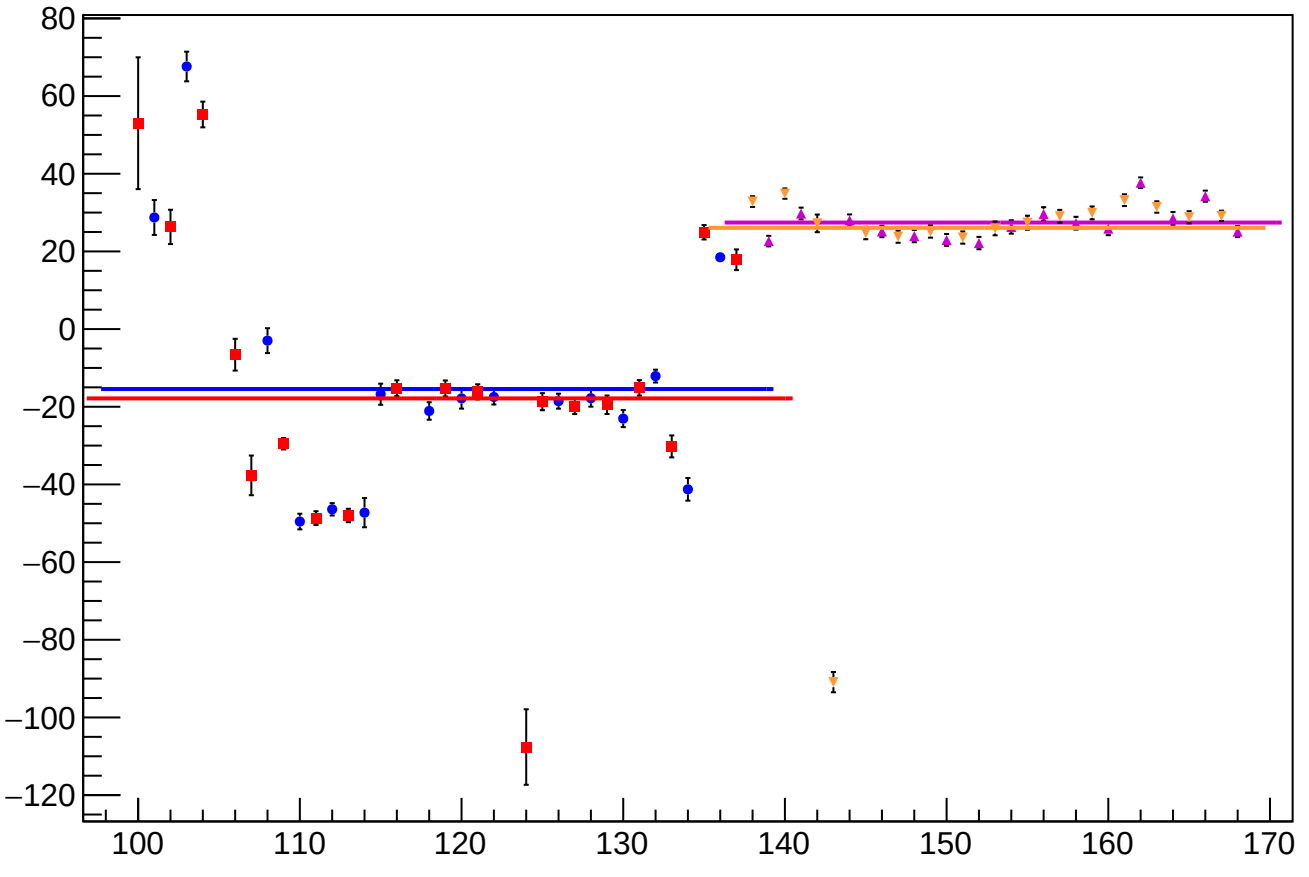
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.412+/-0.047 χ^2/NDF:4811.0/14

+ sign 118.009+/-0.039 χ^2/NDF: 292829.4/31

All: 117.738+/-0.027 χ^2/NDF: 557214.8/65

- sign 117.460+/-0.039 χ^2/NDF: 264285.5/33



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 26.061+/-0.401 χ^2/NDF:2131.1/15

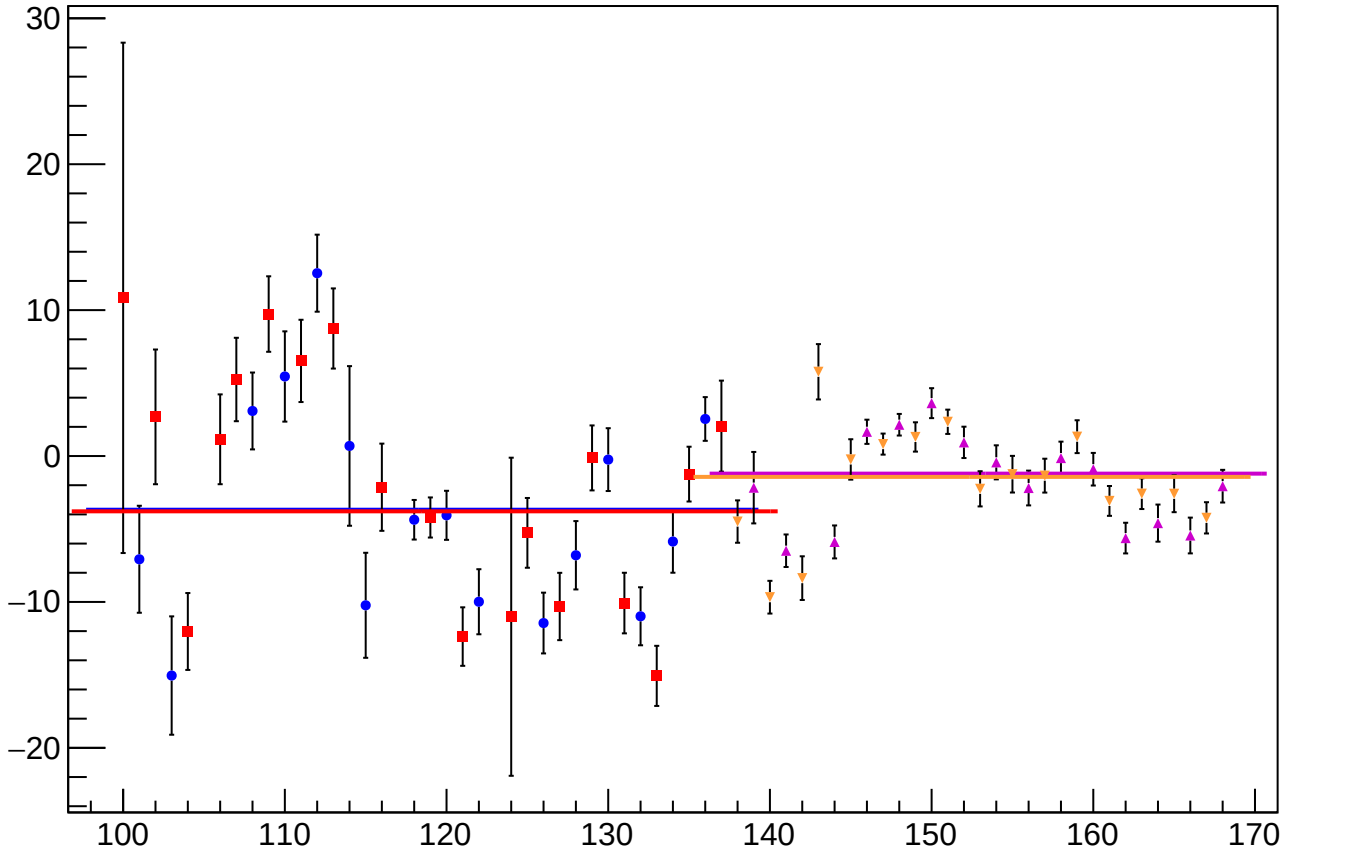
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 27.431+/-0.396 χ^2/NDF:127.0/14

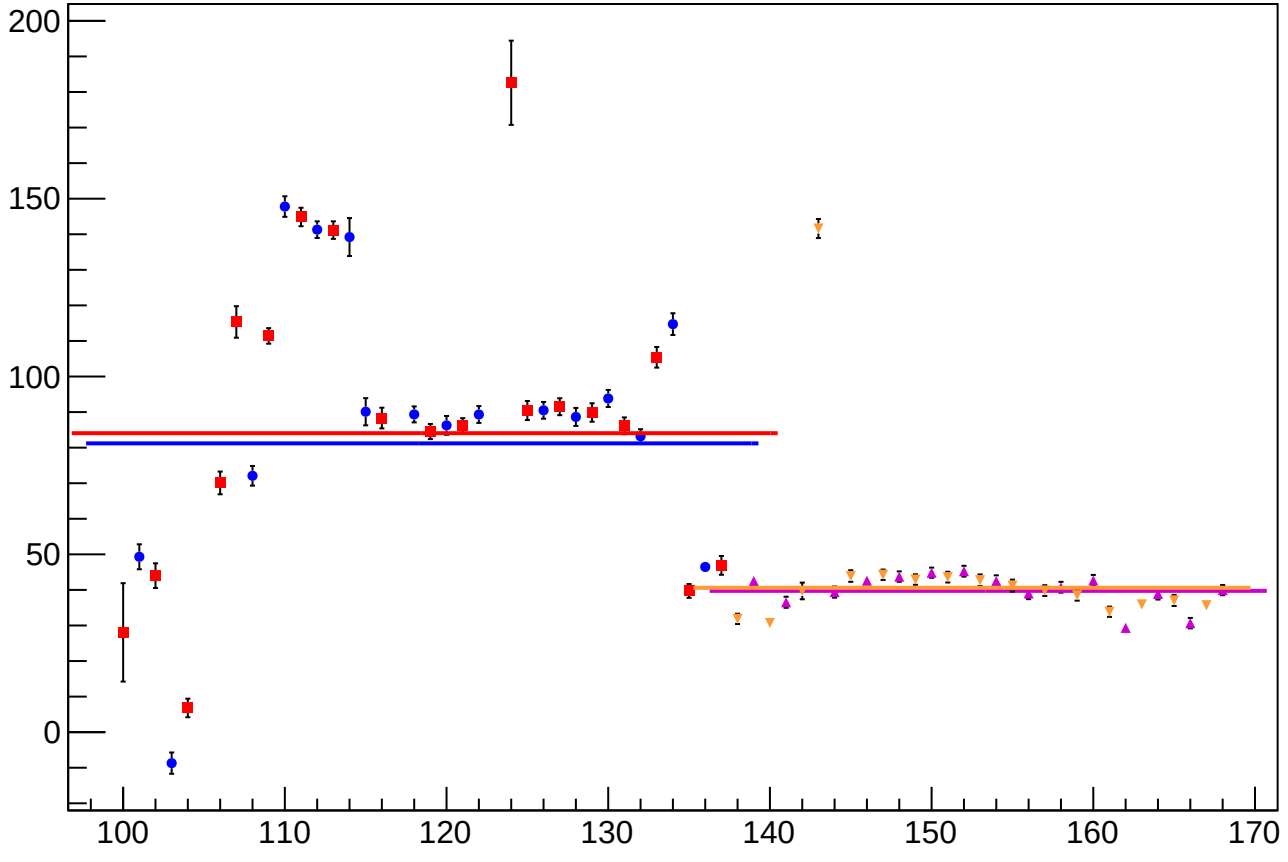
+ sign 11.299+/-0.322 χ^2/NDF: 8073.9/31

All: 11.245+/-0.226 χ^2/NDF: 15013.8/65

- sign 11.193+/-0.317 χ^2/NDF: 6939.9/33


reg_asym_atl_dd_atr_dd_dd_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: -1.429+/-0.276 χ²/NDF:150.9/15
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -1.207+/-0.279 χ²/NDF:137.8/14
+ sign -1.880+/-0.247 χ²/NDF: 288.1/31
All: -1.798+/-0.176 χ²/NDF: 604.2/65
- sign -1.714+/-0.250 χ²/NDF: 315.9/33

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: 40.593+/-0.390 χ^2/NDF:1573.0/15

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

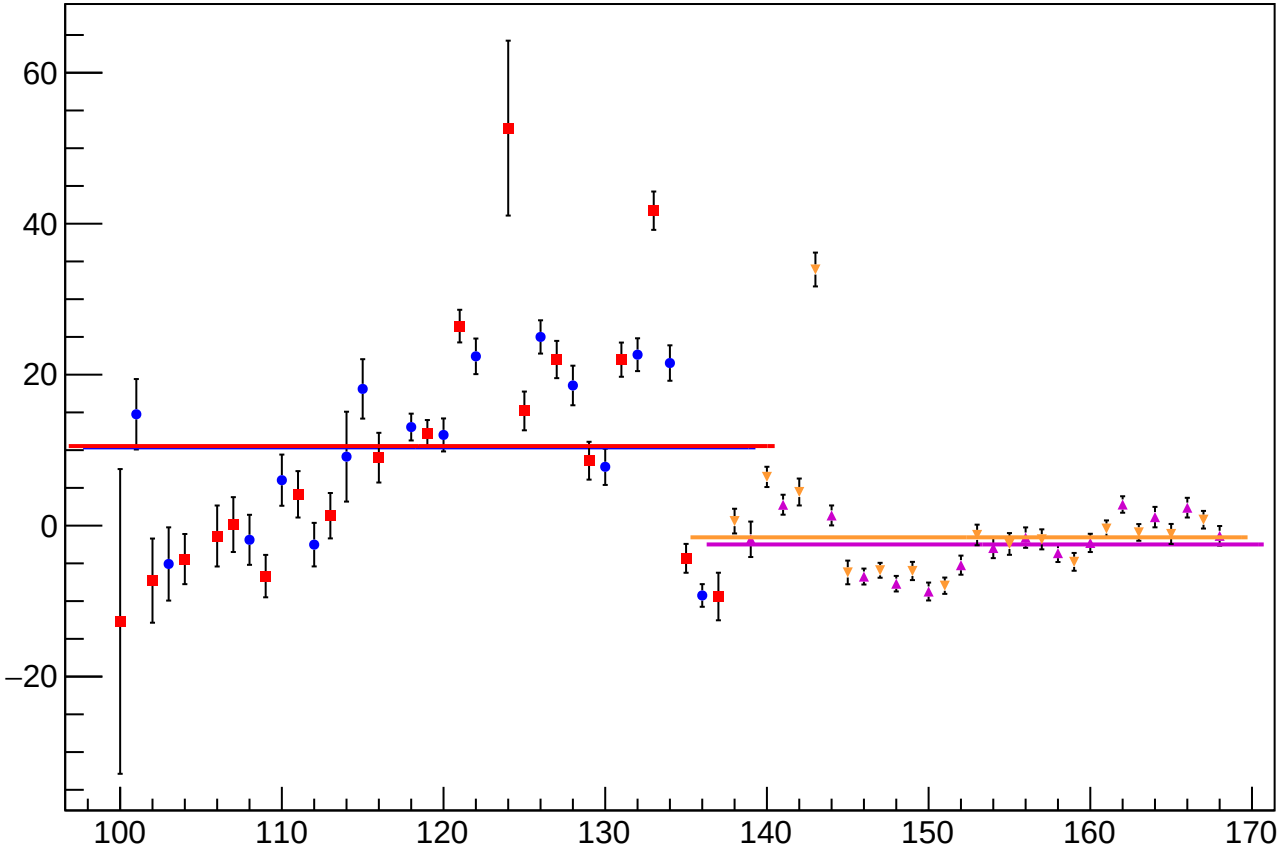
Left In: 39.736+/-0.385 χ^2/NDF:154.7/14

\+ sign 52.461+/-0.328 χ^2/NDF: 7970.9/31

All: 52.316+/-0.231 χ^2/NDF: 15055.0/65

\- sign 52.172+/-0.326 χ^2/NDF: 7083.7/33

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: -1.549+/-0.321 χ^2/NDF:390.0/15

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

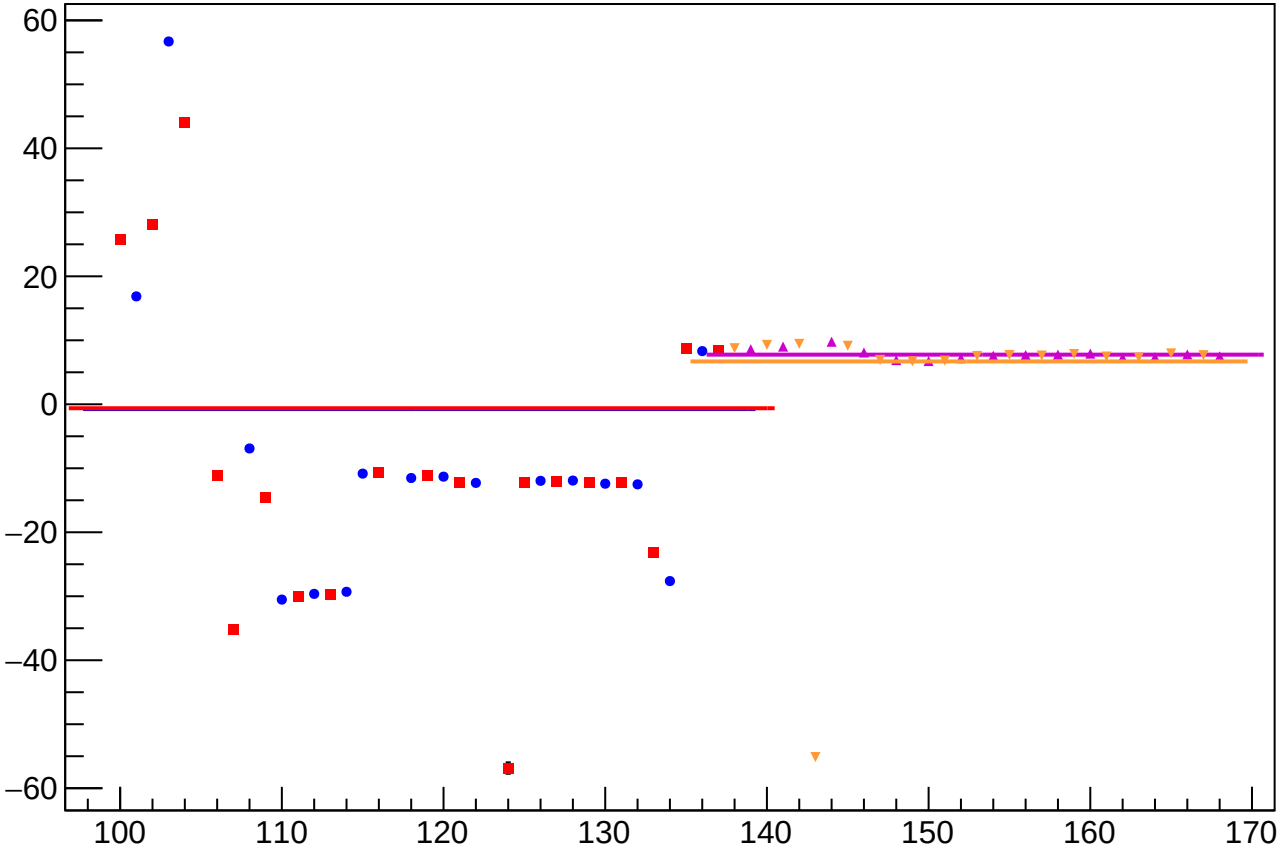
Left In: -2.494+/-0.323 χ^2/NDF:145.4/14

+ sign 0.933+/-0.286 χ^2/NDF: 1036.2/31

All: 0.548+/-0.203 χ^2/NDF: 1986.2/65

- sign 0.155+/-0.289 χ^2/NDF: 946.3/33

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: 6.698+/-0.015 χ^2/NDF:314074.9/15

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

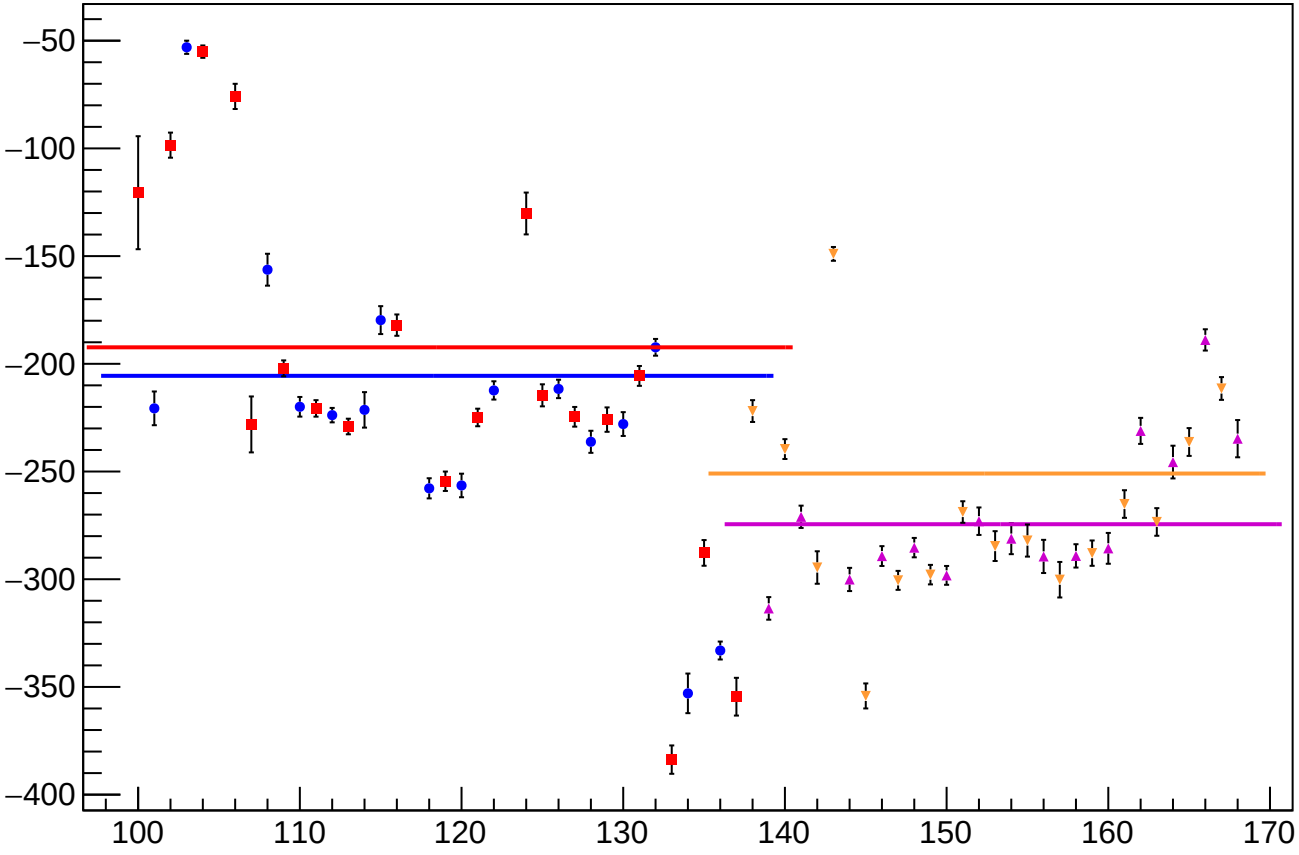
Left In: 7.757+/-0.014 χ^2/NDF:2321.5/14

+ sign 5.633+/-0.014 χ^2/NDF: 718946.4/31

All: 6.160+/-0.010 χ^2/NDF: 1084577.4/65

- sign 6.675+/-0.013 χ^2/NDF: 362647.4/33

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -250.934+/-1.334 χ^2/NDF:1840.1/15

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

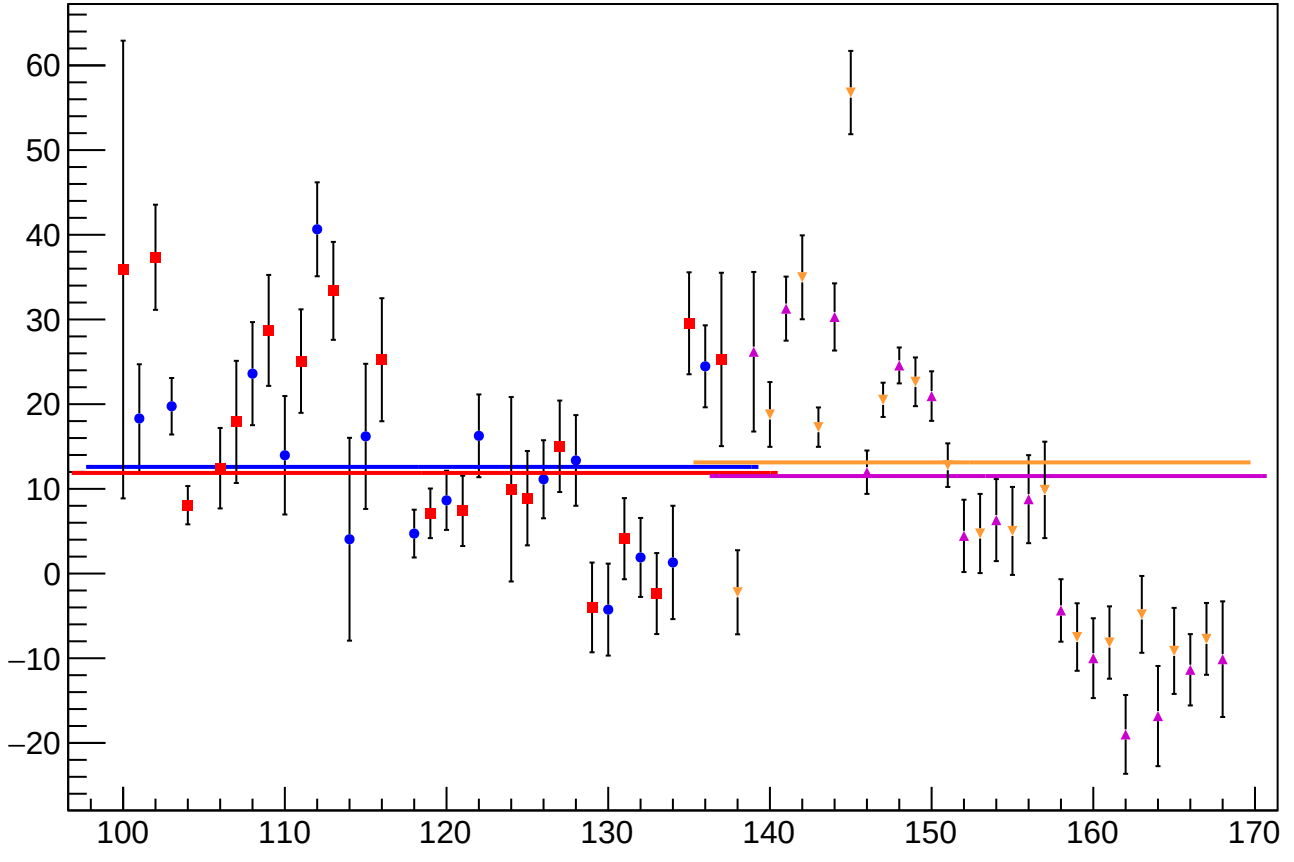
Left In: -274.462+/-1.458 χ^2/NDF:525.4/14

+ sign -225.574+/-0.886 χ^2/NDF: 6542.3/31

All: -224.242+/-0.628 χ^2/NDF: 14033.4/65

- sign -222.899+/-0.889 χ^2/NDF: 7486.5/33

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 13.123+/-0.889 χ^2/NDF:254.0/15

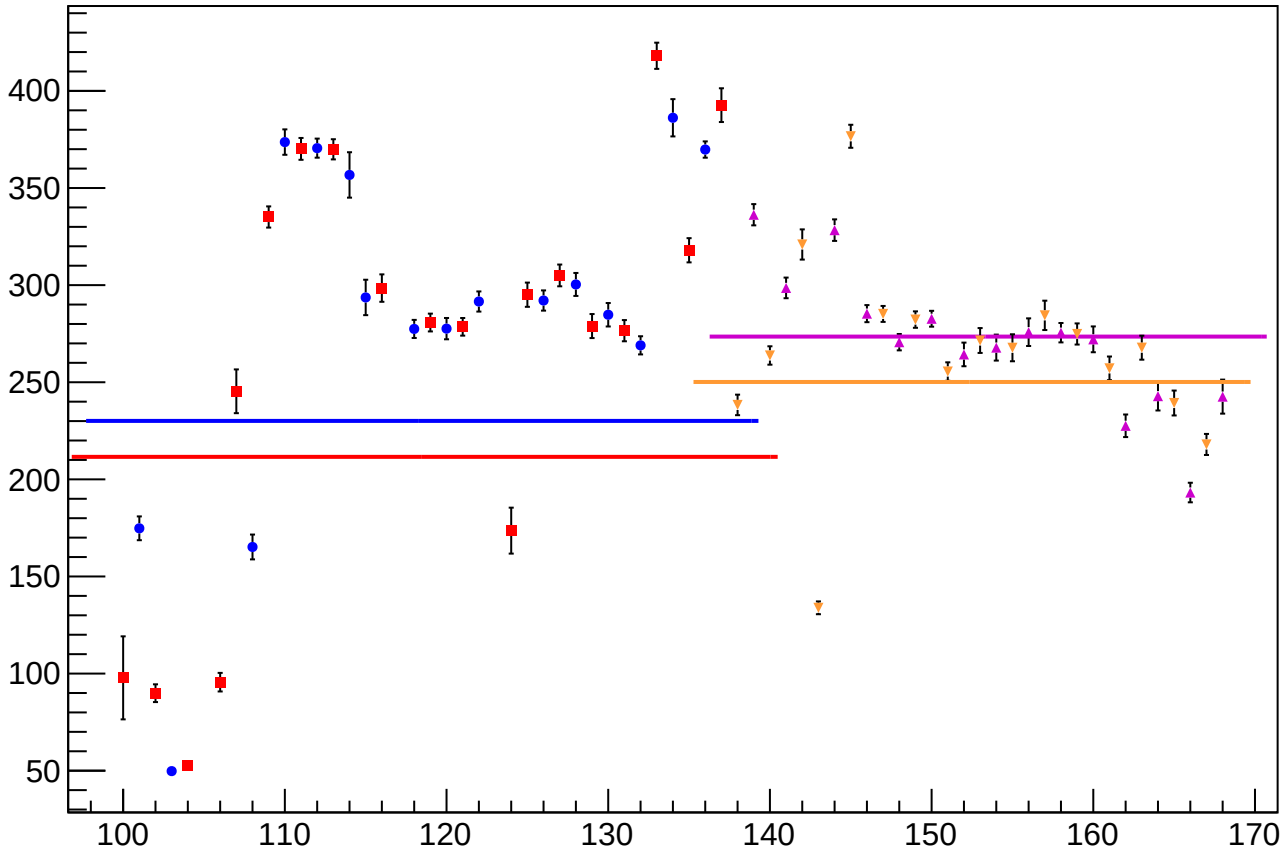
Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 11.512+/-0.980 χ^2/NDF:249.6/14

+ sign 12.936+/-0.715 χ^2/NDF: 322.7/31

All: 12.323+/-0.513 χ^2/NDF: 658.7/65

- sign 11.671+/-0.738 χ^2/NDF: 334.6/33



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 250.143+/-1.308 χ^2/NDF:2032.9/15

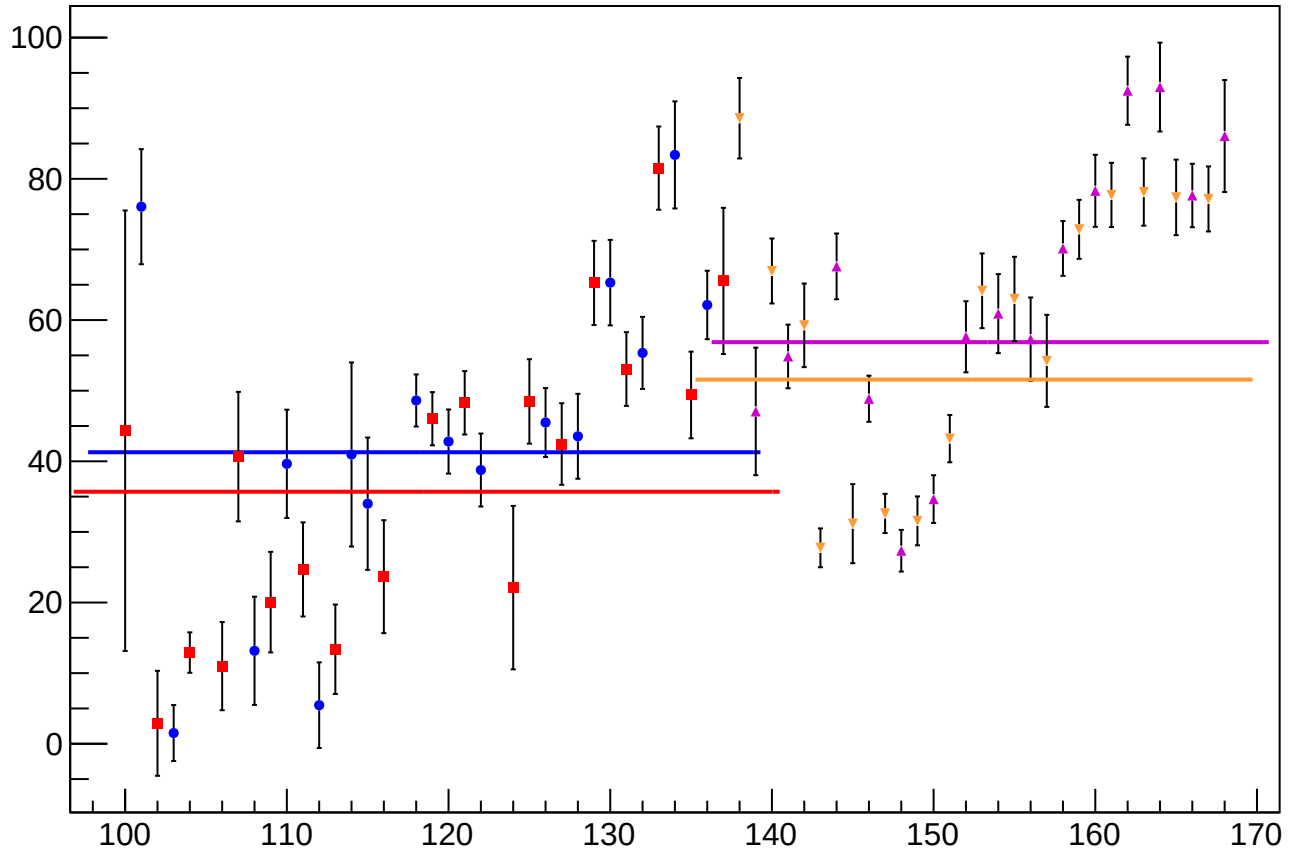
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 273.508+/-1.412 χ^2/NDF:613.6/14

+ sign 239.743+/-0.907 χ^2/NDF: 11530.5/31

All: 238.596+/-0.643 χ^2/NDF: 24739.7/65

- sign 237.436+/-0.912 χ^2/NDF: 13206.0/33



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 51.575+/-1.059 χ^2/NDF:383.3/15

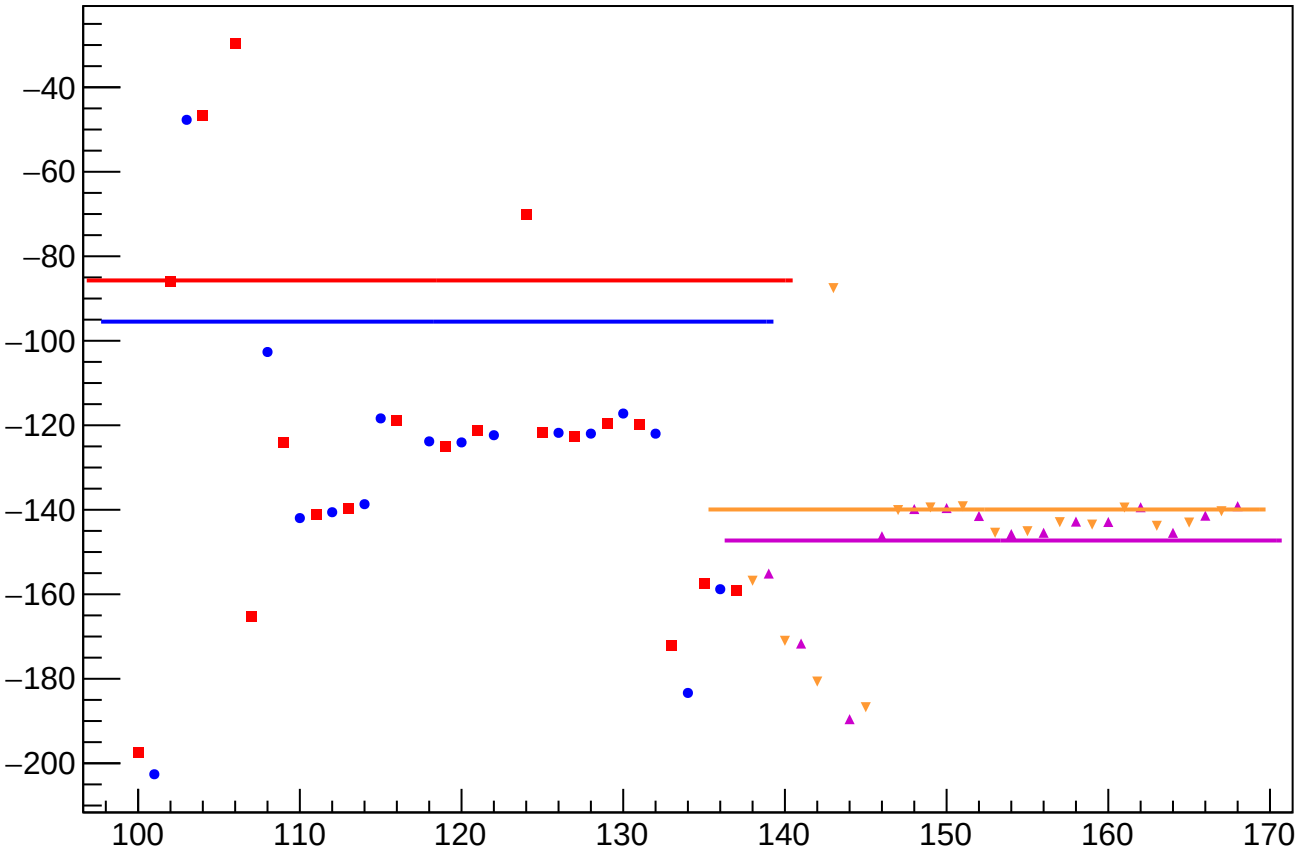
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 56.875+/-1.161 χ^2/NDF:308.2/14

+ sign 47.822+/-0.844 χ^2/NDF: 663.5/31

All: 47.721+/-0.606 χ^2/NDF: 1370.5/65

- sign 47.613+/-0.871 χ^2/NDF: 707.0/33



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -139.929+/-0.051 χ^2/NDF:231493.3/15

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

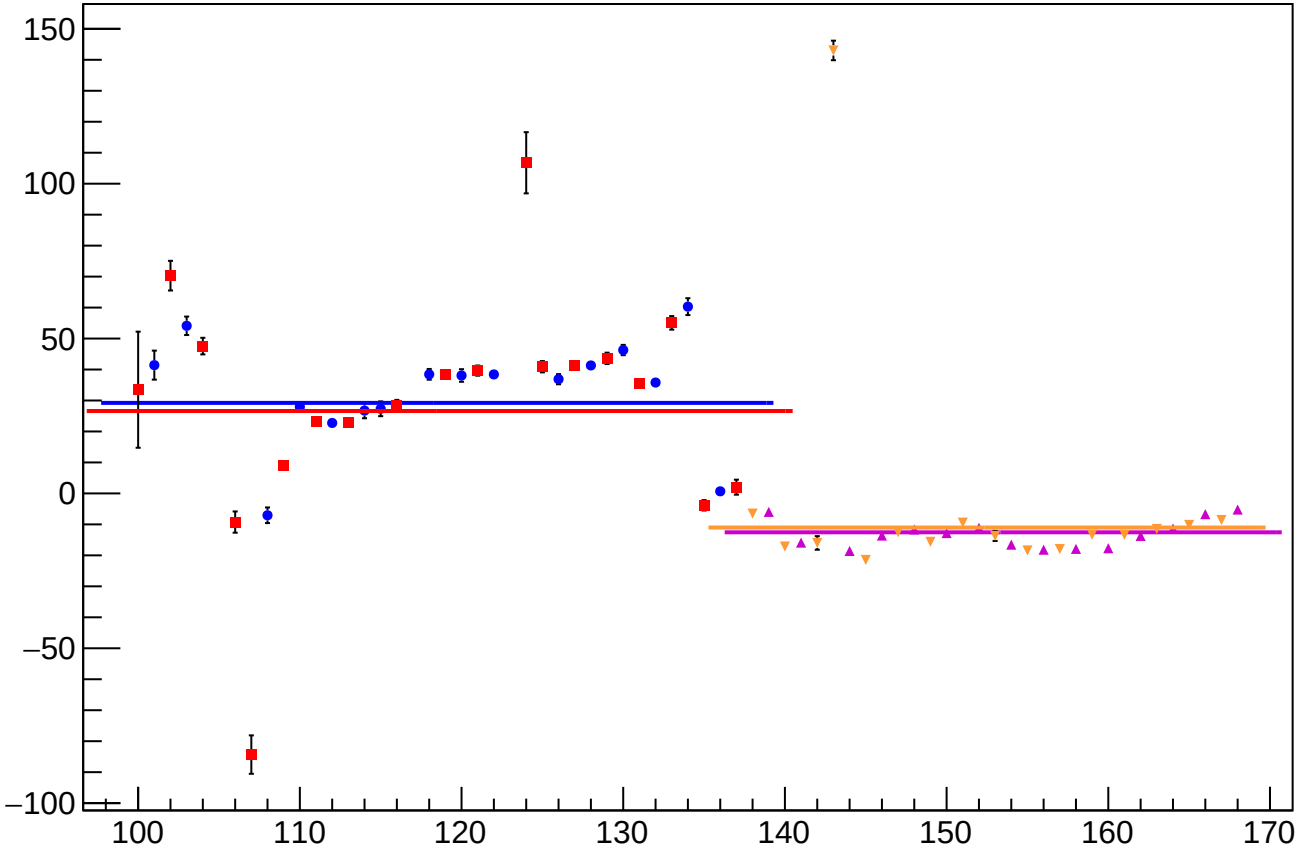
Left In: -147.273+/-0.054 χ^2/NDF:51899.3/14

+ sign -124.324+/-0.041 χ^2/NDF: 1017425.7/31

All: -123.663+/-0.029 χ^2/NDF: 2064100.1/65

- sign -122.972+/-0.042 χ^2/NDF: 1046146.0/33

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.015+/-0.375 χ^2/NDF:2534.4/15

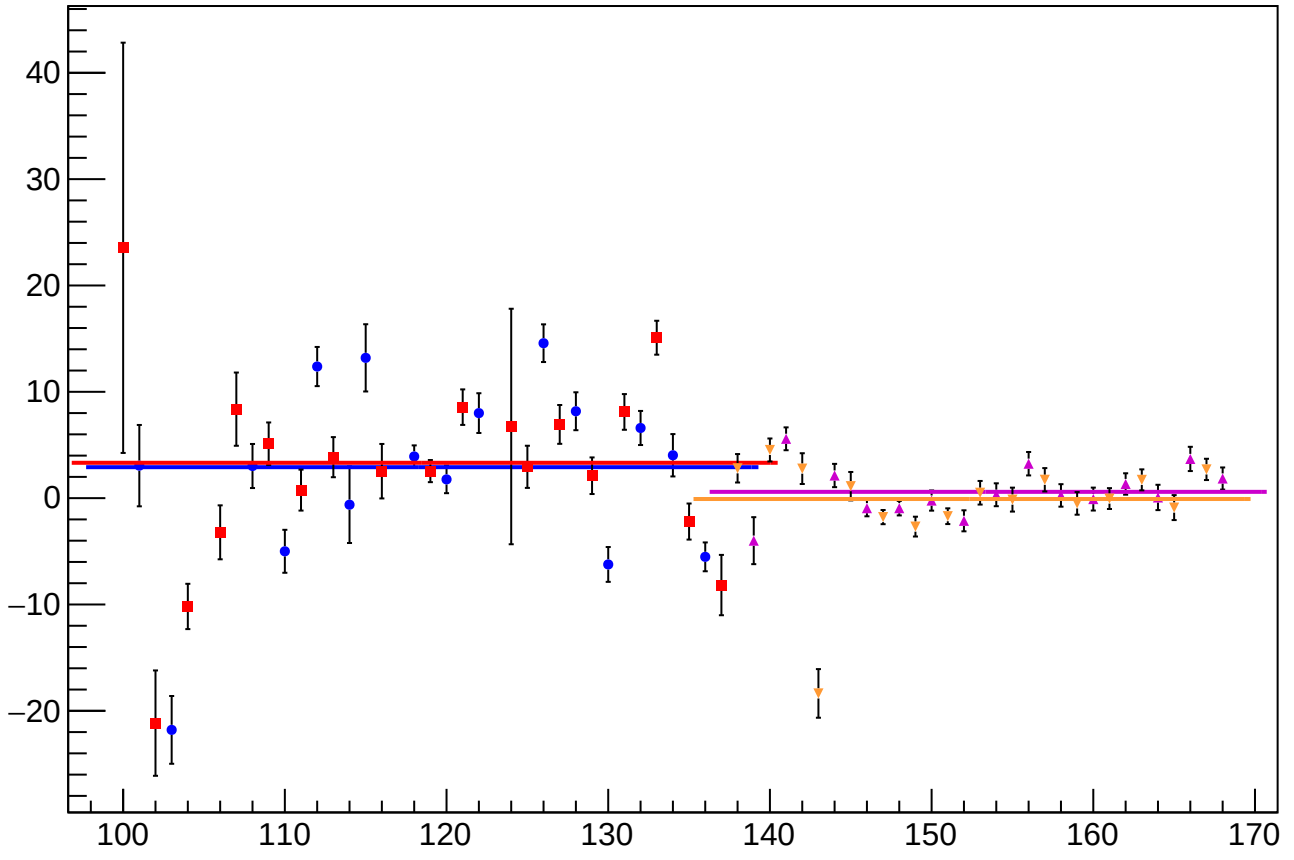
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.559+/-0.370 χ^2/NDF:145.1/14

\+ sign 6.657+/-0.281 χ^2/NDF: 8923.6/31

All: 5.722+/-0.197 χ^2/NDF: 15988.1/65

\- sign 4.821+/-0.276 χ^2/NDF: 7042.8/33



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.081+/-0.258 χ^2/NDF:125.3/15

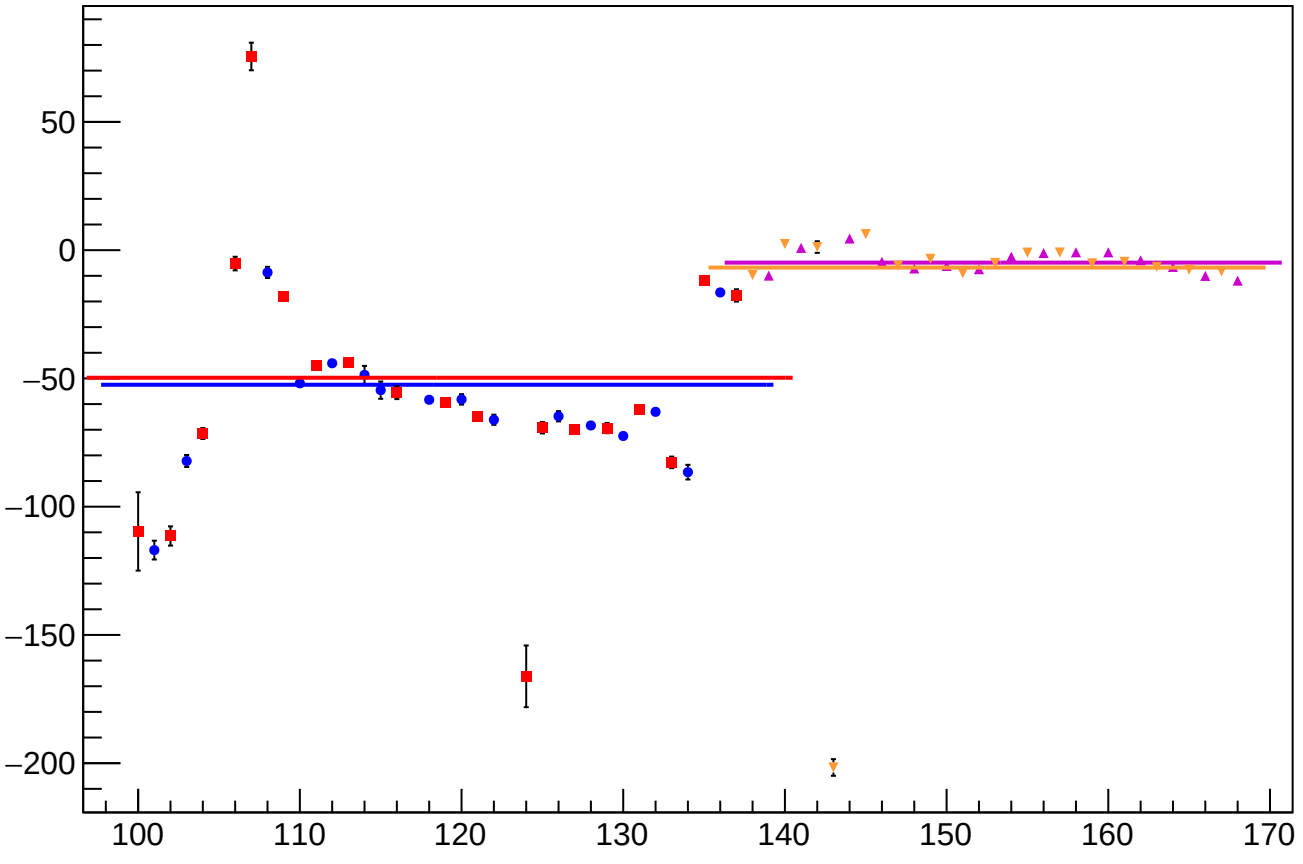
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.593+/-0.261 χ^2/NDF:61.2/14

+ sign 0.680+/-0.223 χ^2/NDF: 409.4/31

All: 0.972+/-0.159 χ^2/NDF: 683.1/65

- sign 1.271+/-0.226 χ^2/NDF: 270.2/33



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.784+/-0.365 χ^2/NDF:3789.6/15

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

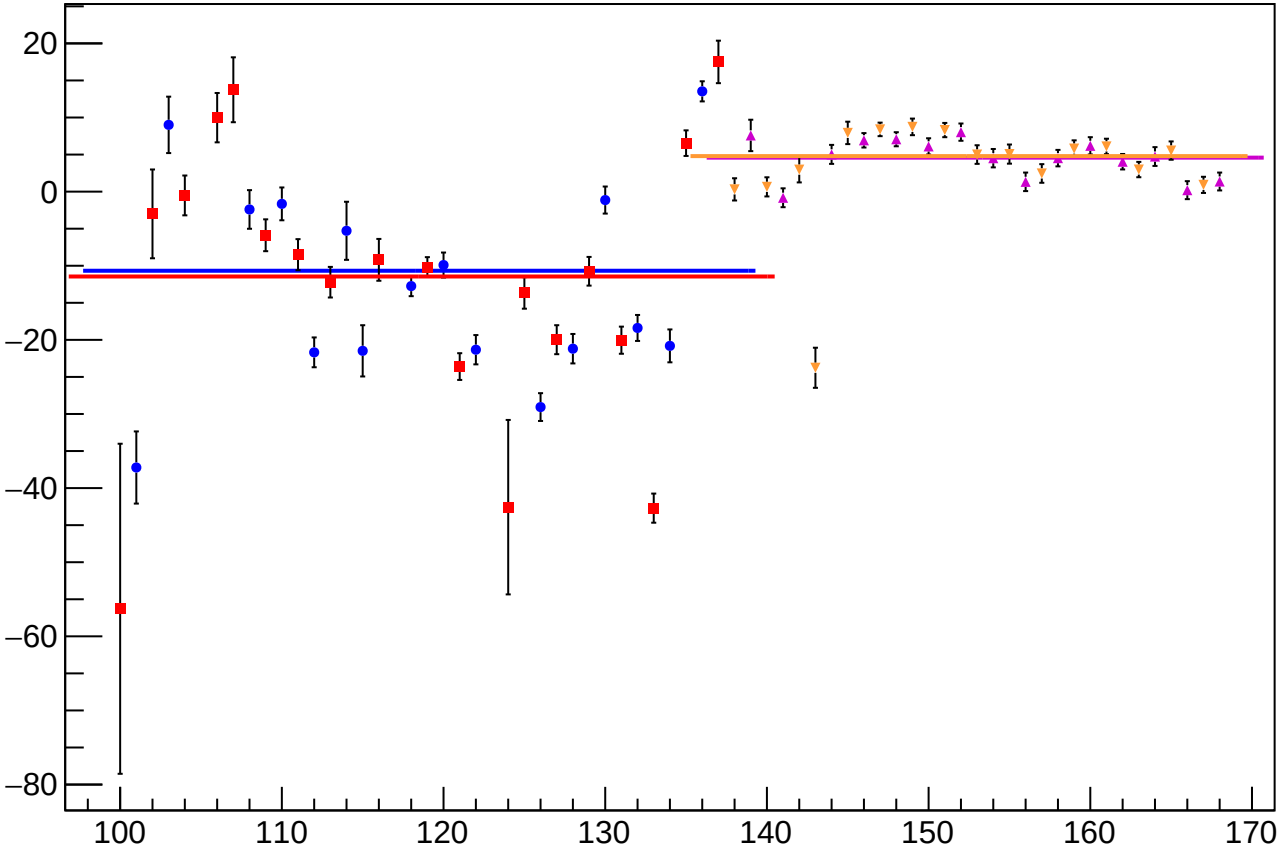
Left In: -4.854+/-0.359 χ^2/NDF:143.7/14

+ sign -23.196+/-0.292 χ^2/NDF: 11739.9/31

All: -21.781+/-0.206 χ^2/NDF: 20336.8/65

- sign -20.383+/-0.291 χ^2/NDF: 8550.3/33

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 4.793+/-0.301 χ^2/NDF:199.5/15

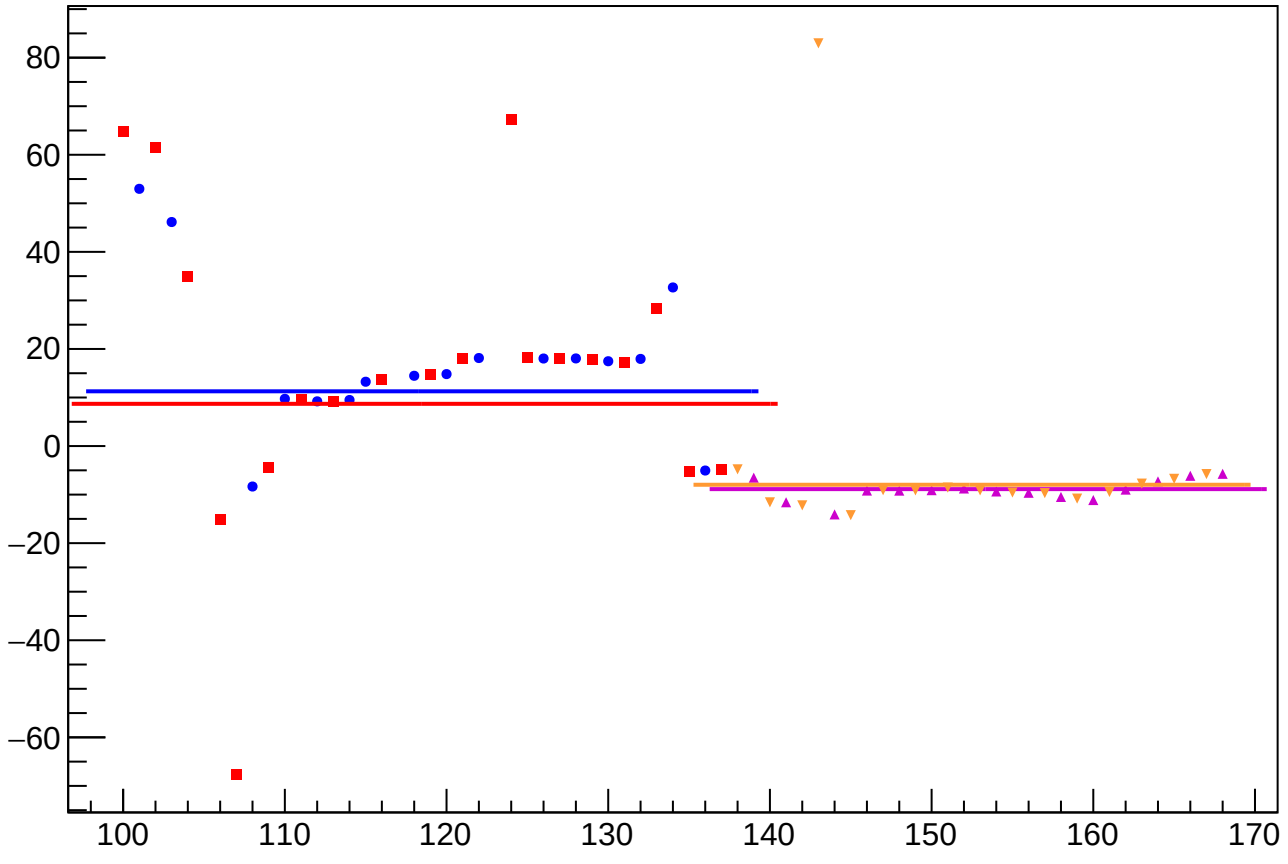
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.586+/-0.302 χ^2/NDF:72.6/14

+ sign 0.748+/-0.258 χ^2/NDF: 1557.5/31

All: 0.618+/-0.184 χ^2/NDF: 3015.1/65

- sign 0.485+/-0.261 χ^2/NDF: 1457.0/33



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.971+/-0.014 χ^2/NDF:483436.6/15

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

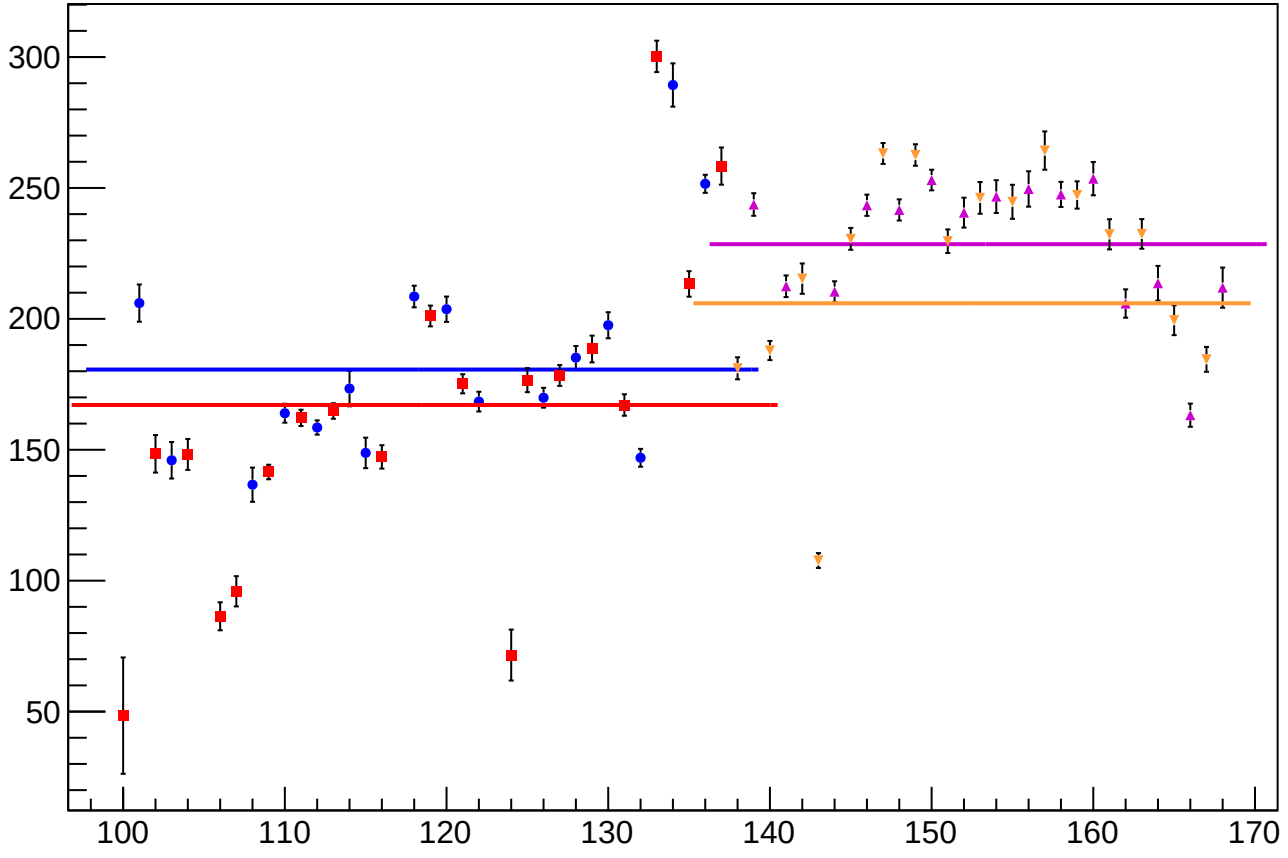
Left In: -8.870+/-0.013 χ^2/NDF:21878.4/14

+ sign -4.633+/-0.012 χ^2/NDF: 1174811.1/31

All: -5.406+/-0.009 χ^2/NDF: 1904905.6/65

- sign -6.163+/-0.012 χ^2/NDF: 722474.3/33

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: 205.953+/-1.150 χ^2/NDF:1986.3/15

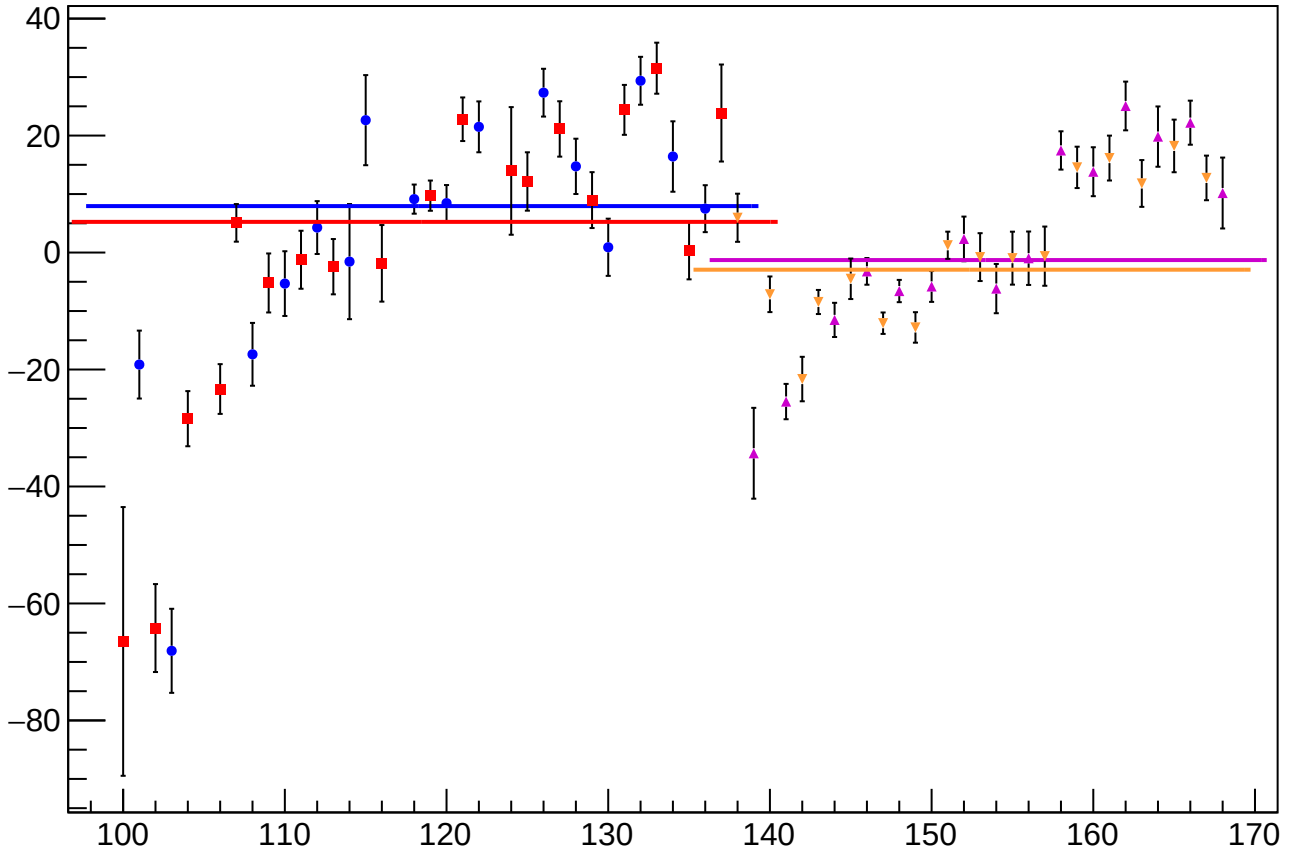
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.533+/-1.256 χ^2/NDF:410.3/14

+ sign 192.612+/-0.791 χ^2/NDF: 3235.1/31

All: 192.074+/-0.560 χ^2/NDF: 6571.3/65

- sign 191.534+/-0.792 χ^2/NDF: 3335.2/33



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.933+/-0.776 χ^2/NDF:183.2/15

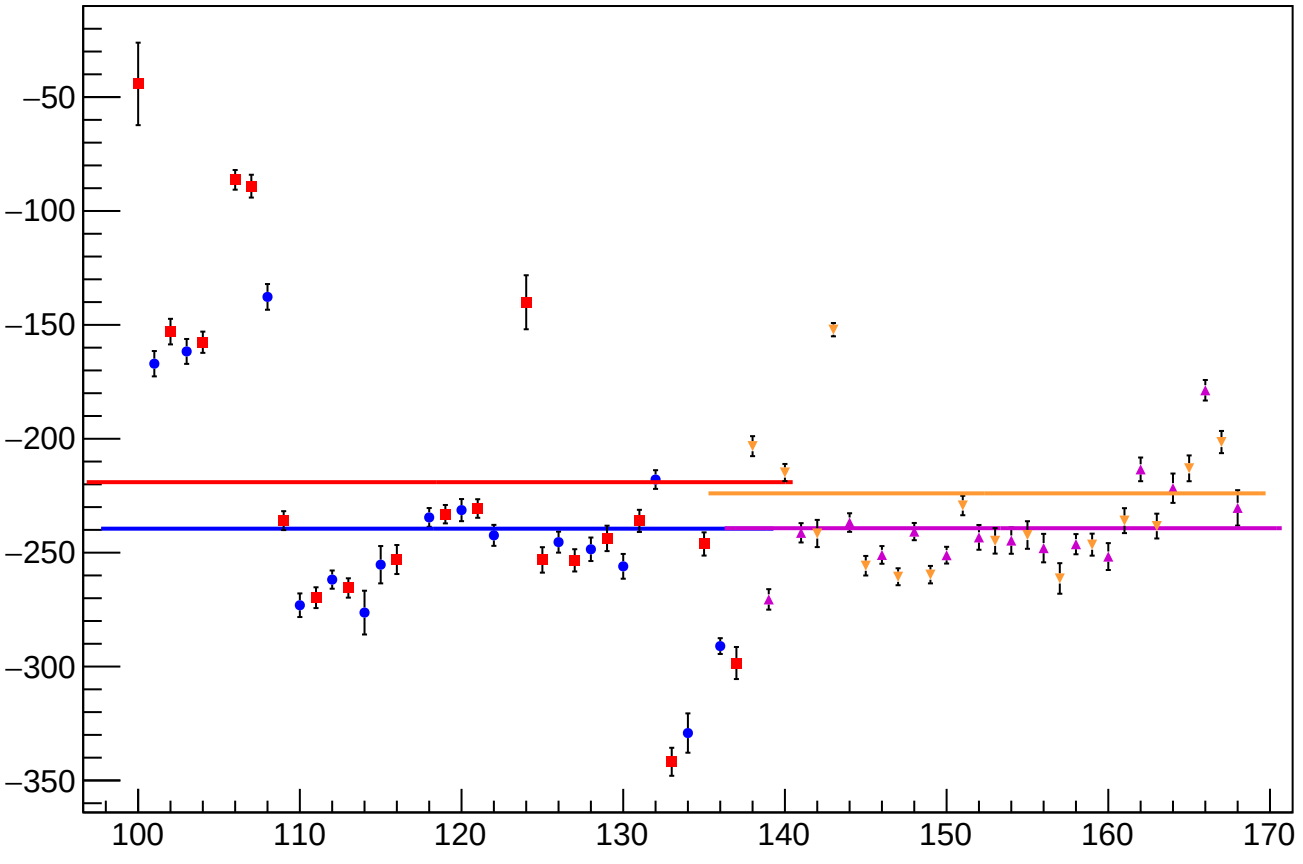
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -1.285+/-0.854 χ^2/NDF:253.2/14

+ sign 0.623+/-0.637 χ^2/NDF: 480.3/31

All: 0.936+/-0.460 χ^2/NDF: 1059.8/65

- sign 1.278+/-0.666 χ^2/NDF: 579.0/33



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -223.966+/-1.131 χ^2/NDF:993.8/15

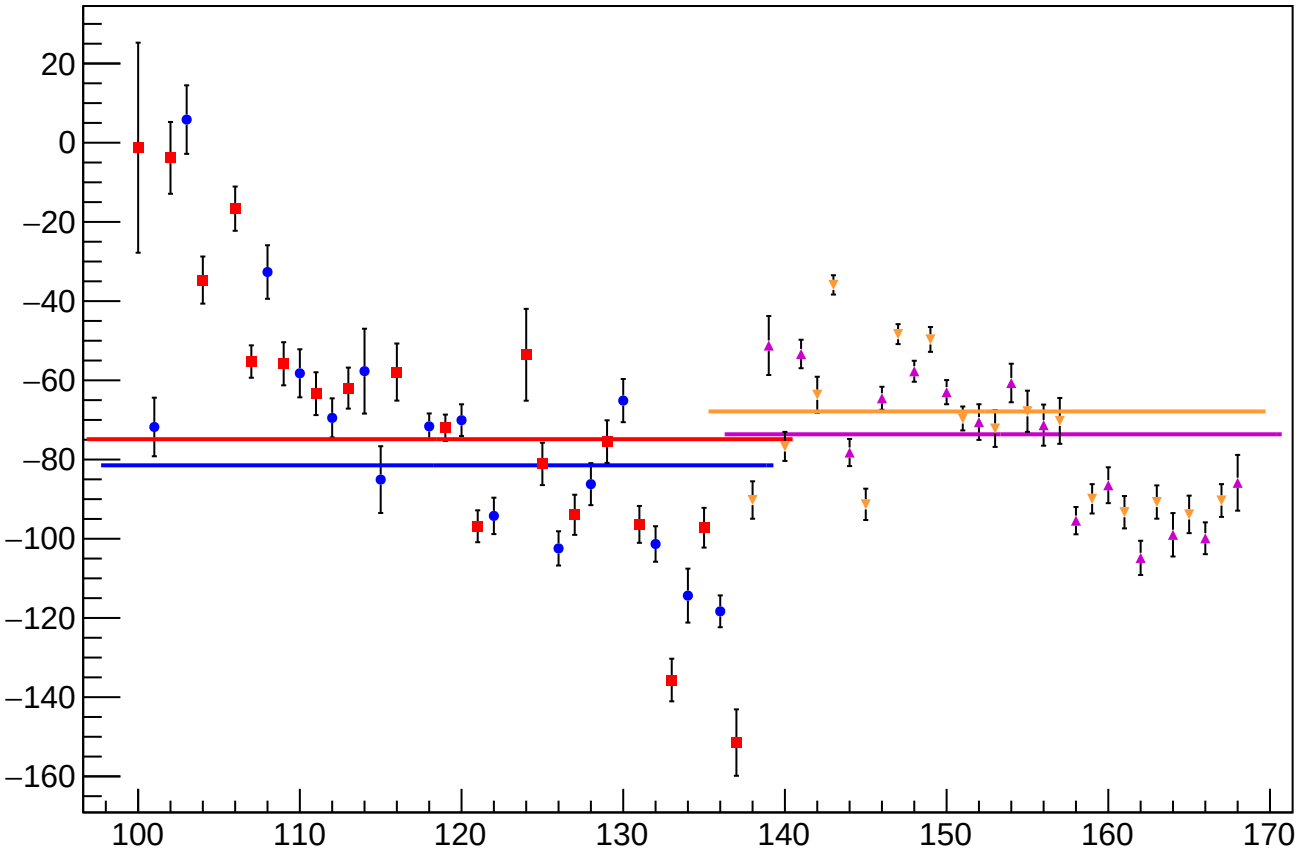
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.262+/-1.221 χ^2/NDF:292.9/14

+ sign -230.975+/-0.837 χ^2/NDF: 2240.9/31

All: -229.891+/-0.596 χ^2/NDF: 5728.6/65

- sign -228.781+/-0.847 χ^2/NDF: 3484.2/33



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -67.855+/-0.922 χ^2/NDF:495.0/15

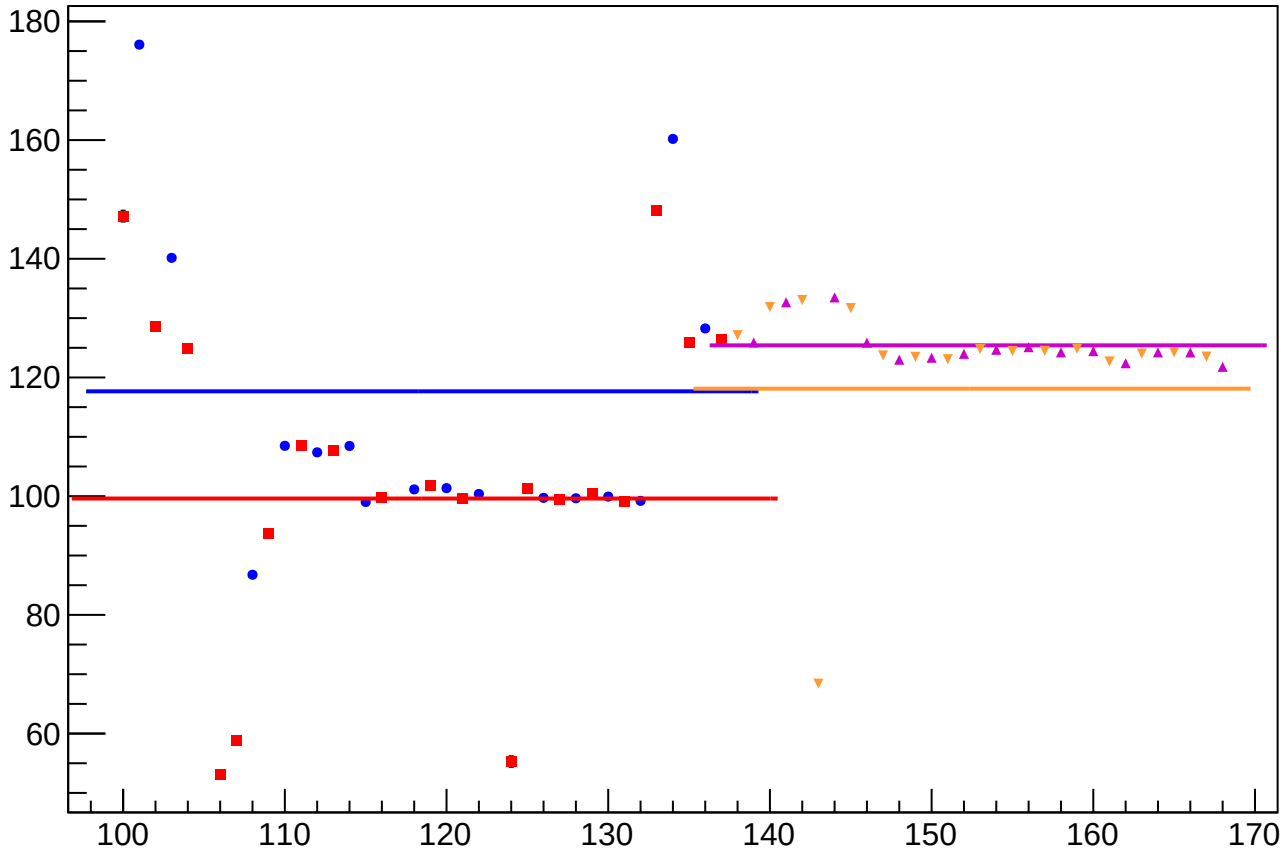
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -73.622+/-1.010 χ^2/NDF:276.0/14

\+ sign -72.473+/-0.750 χ^2/NDF: 935.4/31

All: -73.264+/-0.541 χ^2/NDF: 1790.9/65

\- sign -74.121+/-0.781 χ^2/NDF: 853.2/33



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 118.118+/-0.044 χ^2/NDF:197406.9/15

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

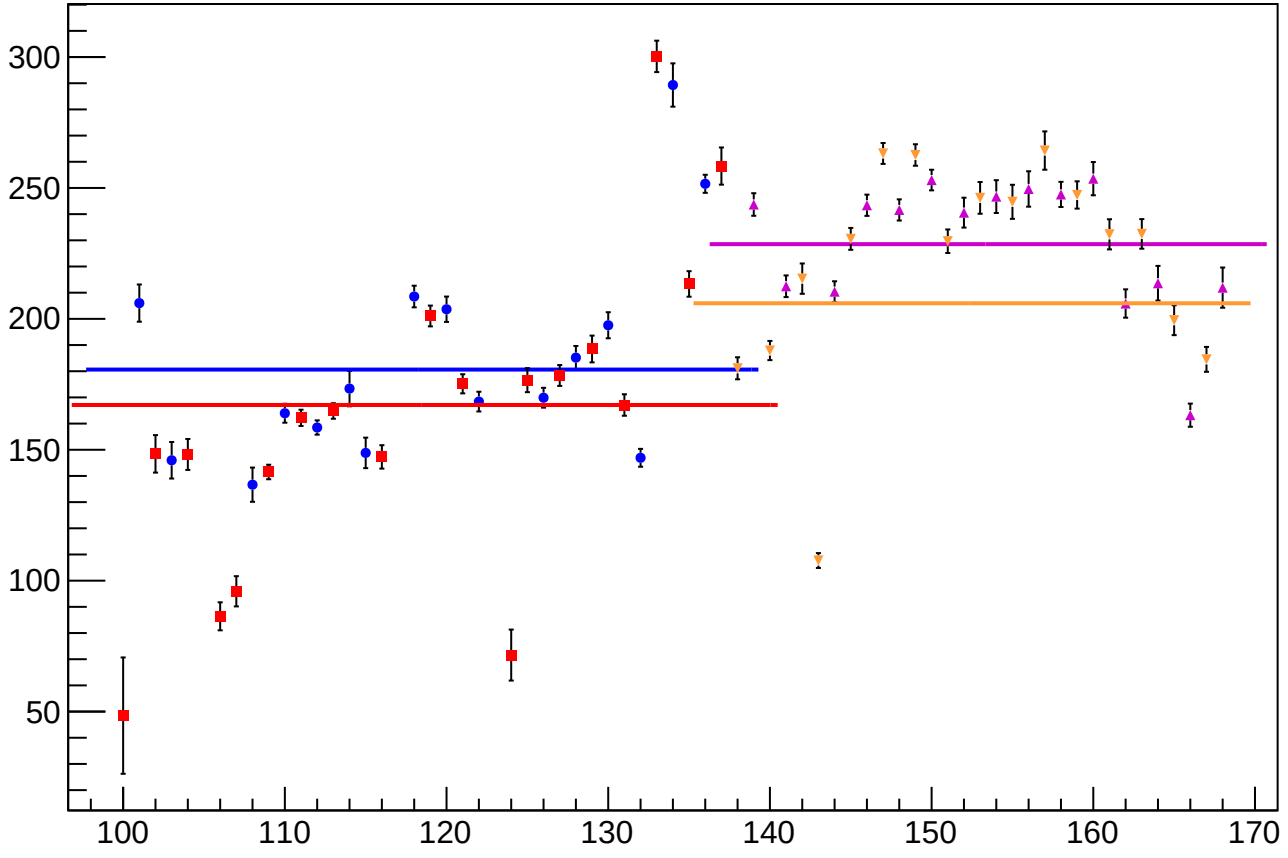
Left In: 125.412+/-0.047 χ^2/NDF:4811.0/14

+ sign 118.009+/-0.039 χ^2/NDF: 292829.4/31

All: 117.738+/-0.027 χ^2/NDF: 557214.8/65

- sign 117.460+/-0.039 χ^2/NDF: 264285.5/33

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: 205.953+/-1.150 χ^2/NDF:1986.3/15

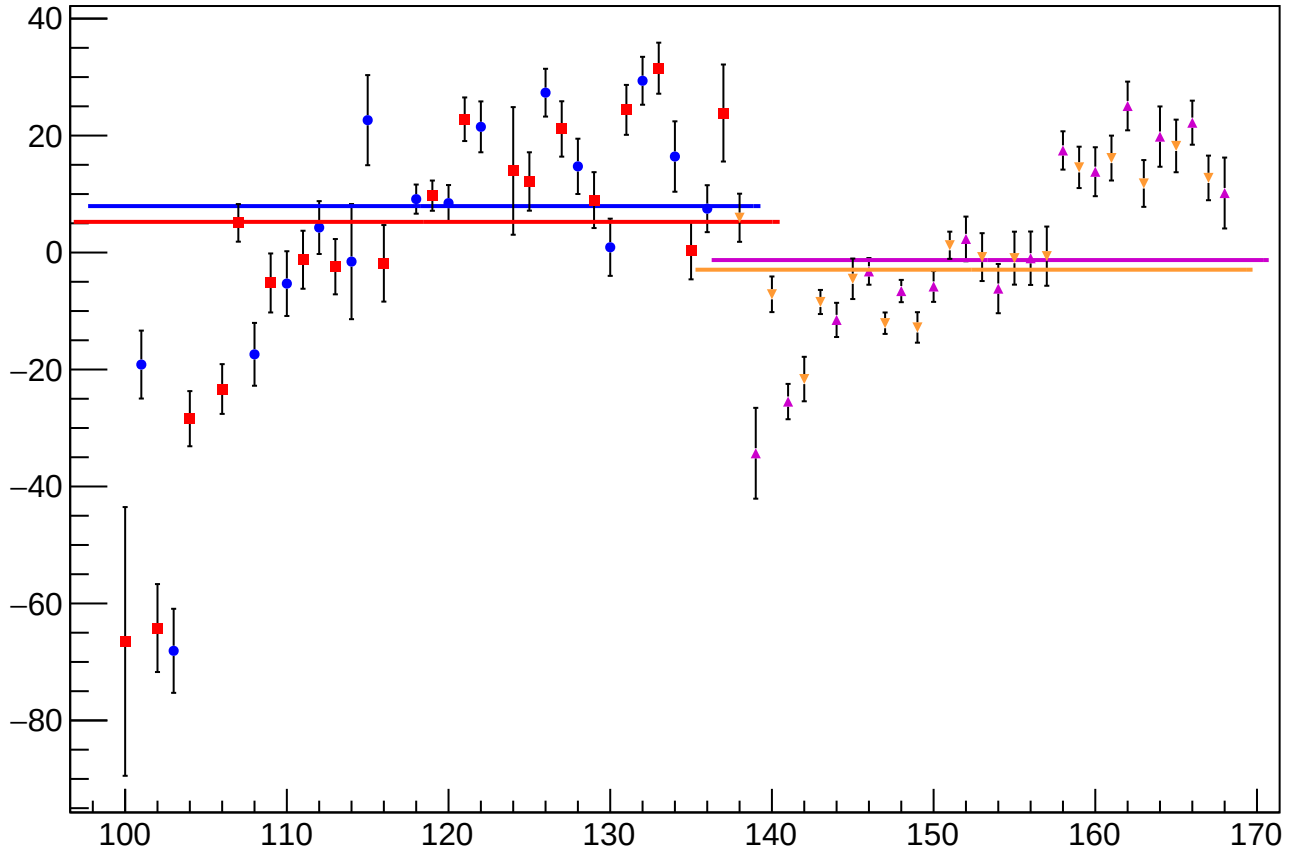
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.533+/-1.256 χ^2/NDF:410.3/14

+ sign 192.612+/-0.791 χ^2/NDF: 3235.1/31

All: 192.074+/-0.560 χ^2/NDF: 6571.3/65

- sign 191.534+/-0.792 χ^2/NDF: 3335.2/33



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.933+/-0.776 χ^2/NDF:183.2/15

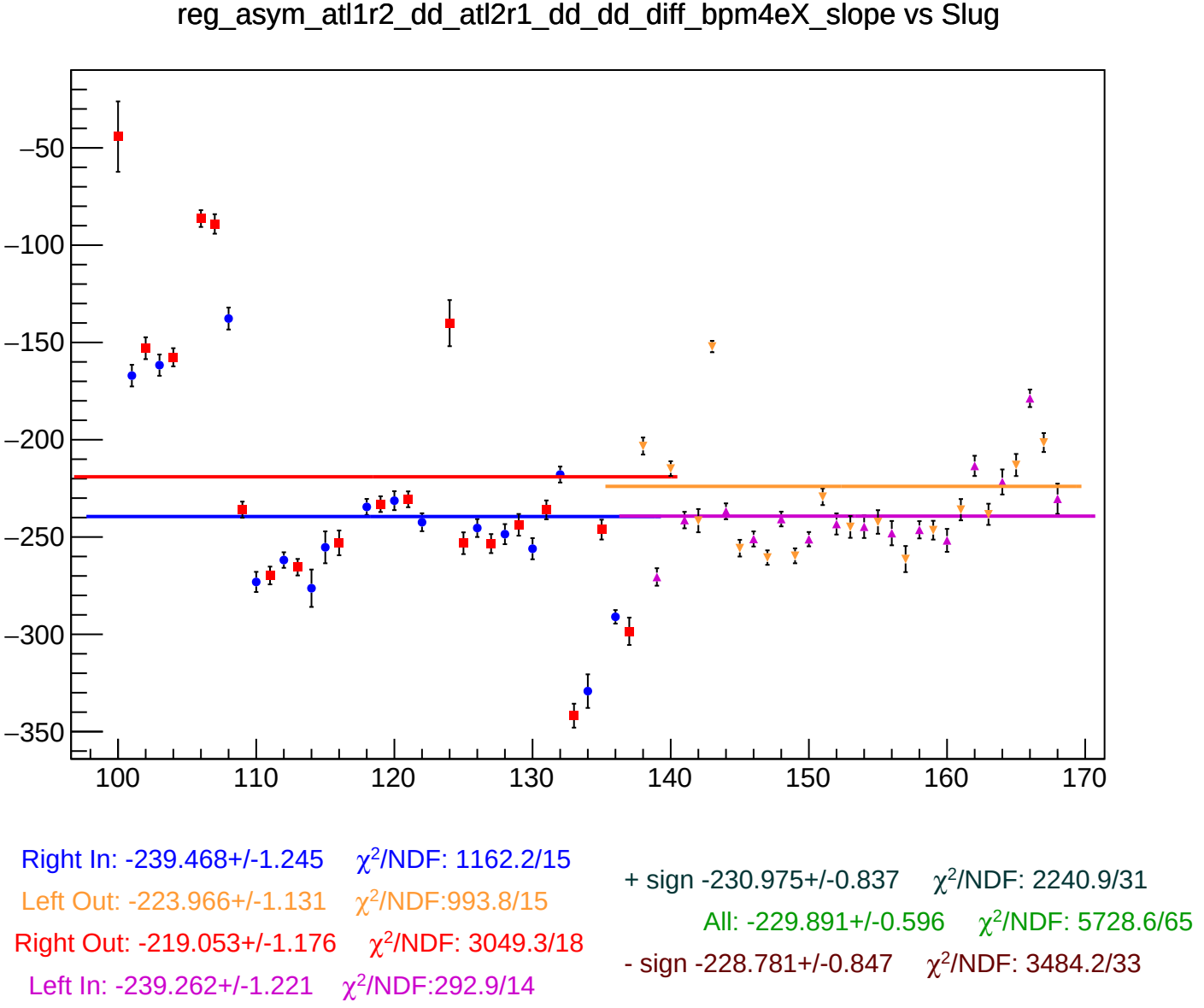
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

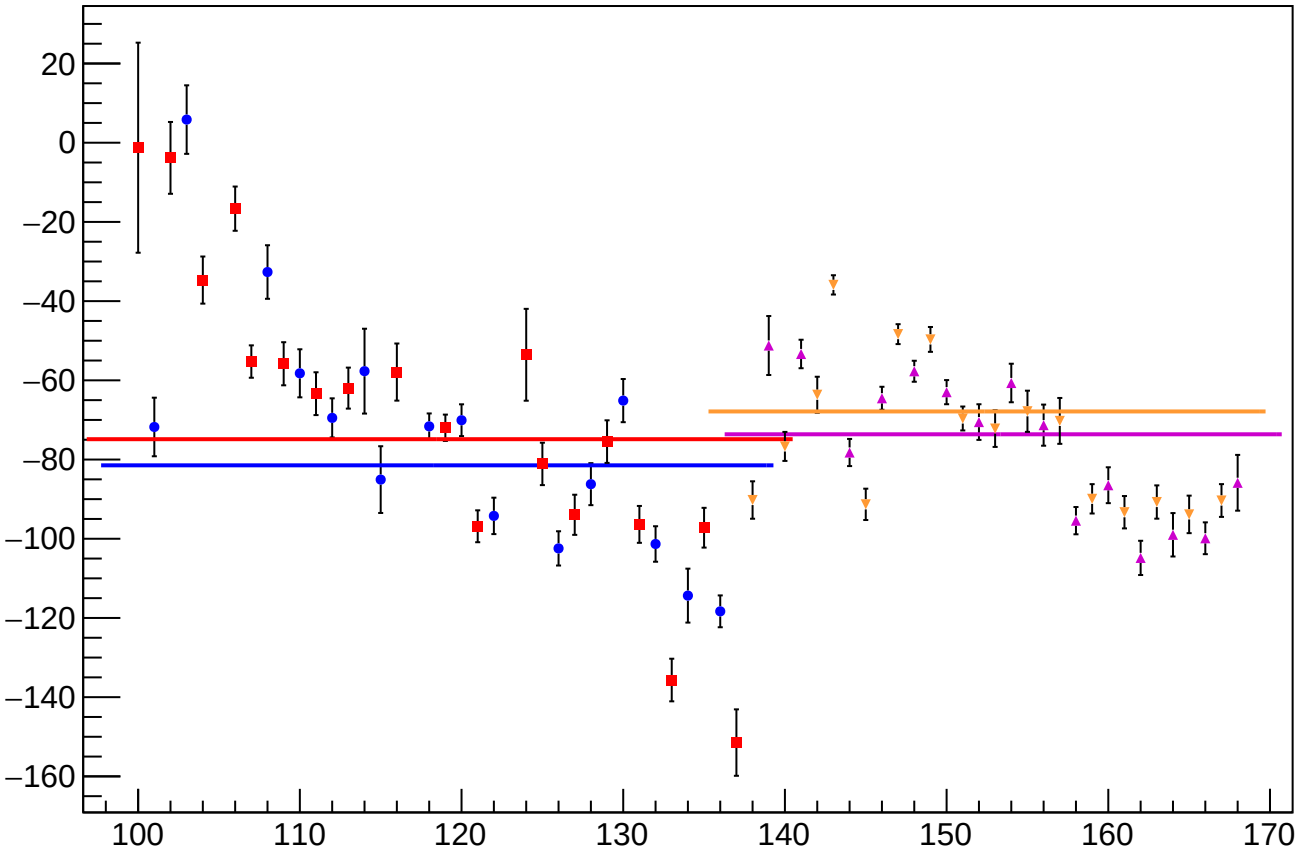
Left In: -1.285+/-0.854 χ^2/NDF:253.2/14

+ sign 0.623+/-0.637 χ^2/NDF: 480.3/31

All: 0.936+/-0.460 χ^2/NDF: 1059.8/65

- sign 1.278+/-0.666 χ^2/NDF: 579.0/33


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: -223.966+/-1.131 χ²/NDF:993.8/15
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -239.262+/-1.221 χ²/NDF:292.9/14
+ sign -230.975+/-0.837 χ²/NDF: 2240.9/31
All: -229.891+/-0.596 χ²/NDF: 5728.6/65
- sign -228.781+/-0.847 χ²/NDF: 3484.2/33



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -67.855+/-0.922 χ^2/NDF:495.0/15

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Left In: -73.622+/-1.010 χ^2/NDF:276.0/14

+ sign -72.473+/-0.750 χ^2/NDF: 935.4/31

All: -73.264+/-0.541 χ^2/NDF: 1790.9/65

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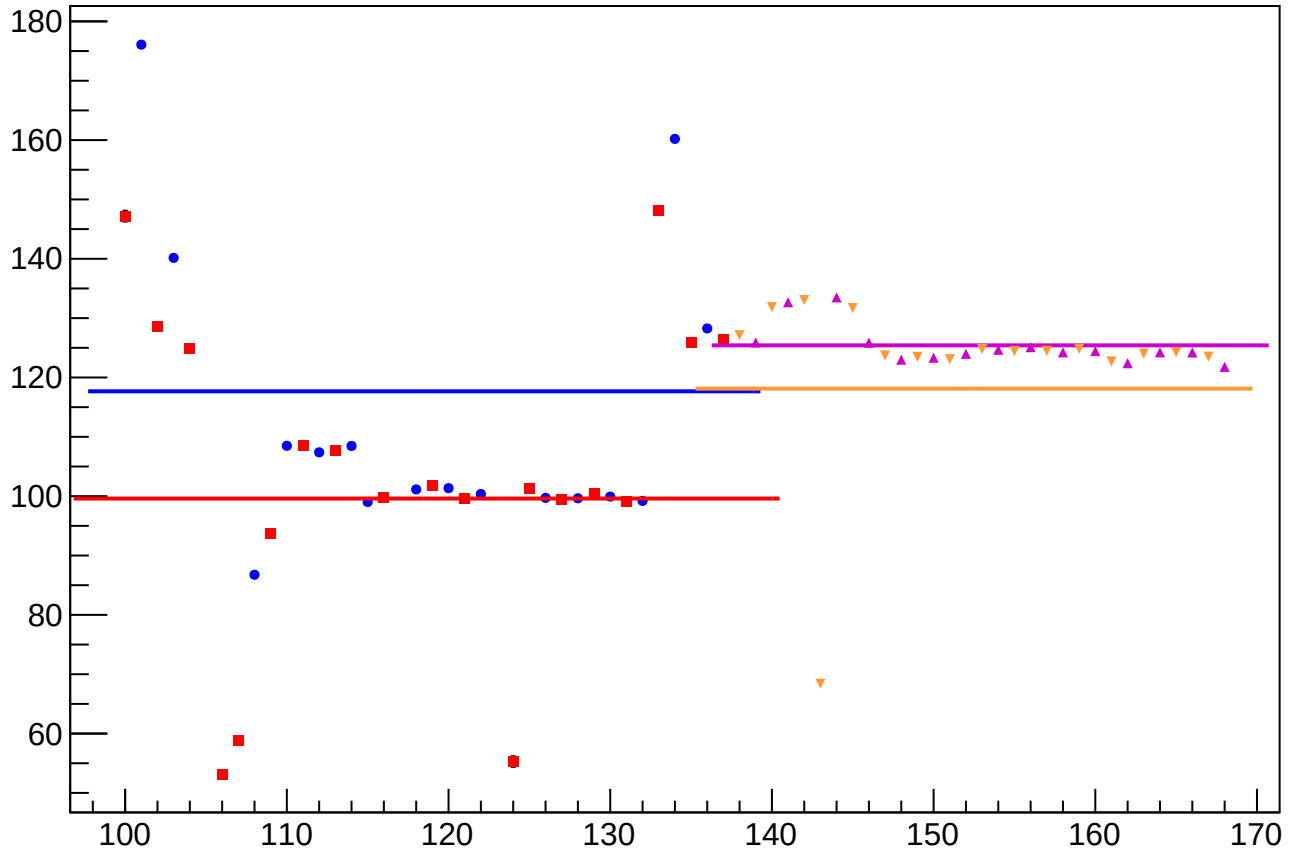

Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 118.118+/-0.044 χ^2/NDF:197406.9/15

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.412+/-0.047 χ^2/NDF:4811.0/14

+ sign 118.009+/-0.039 χ^2/NDF: 292829.4/31

All: 117.738+/-0.027 χ^2/NDF: 557214.8/65

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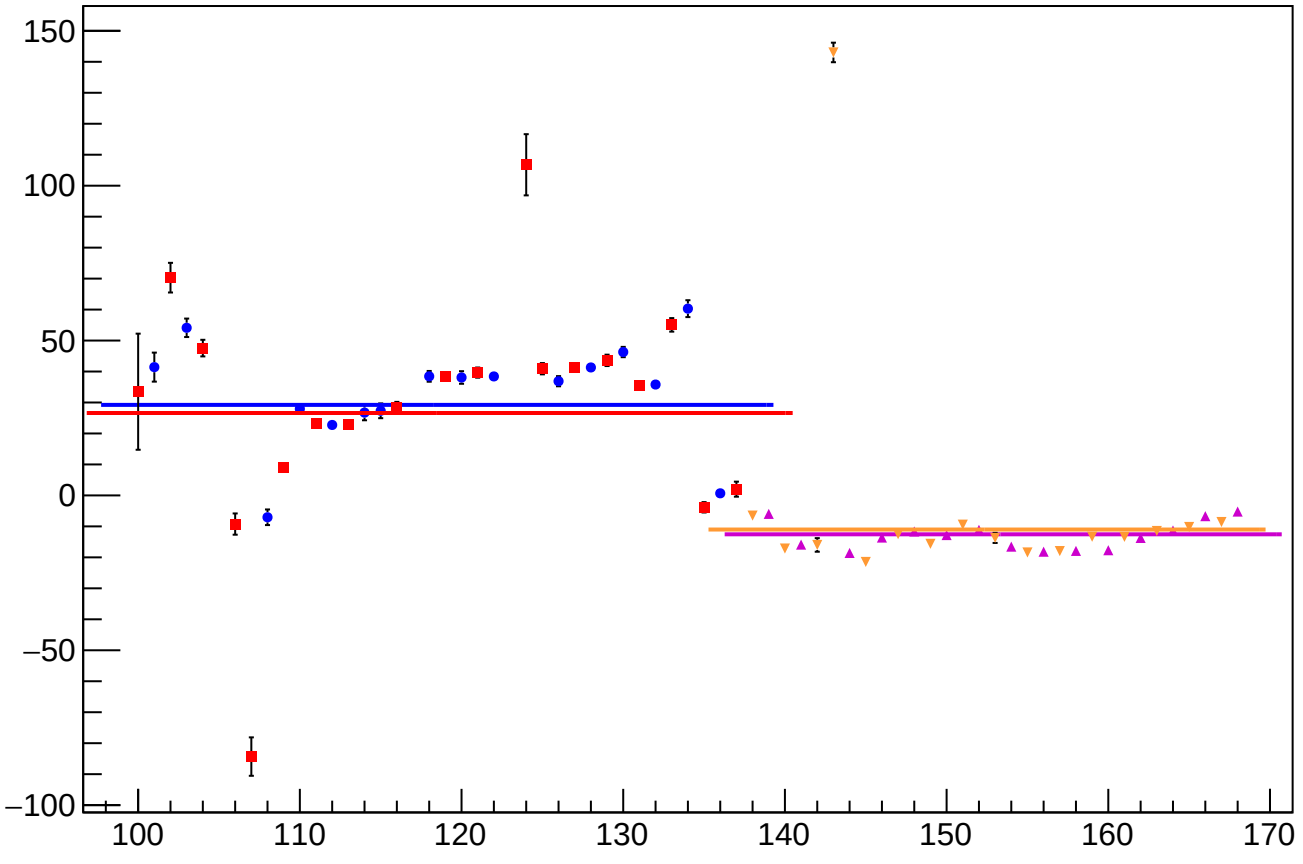


Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.015+/-0.375 χ^2/NDF:2534.4/15

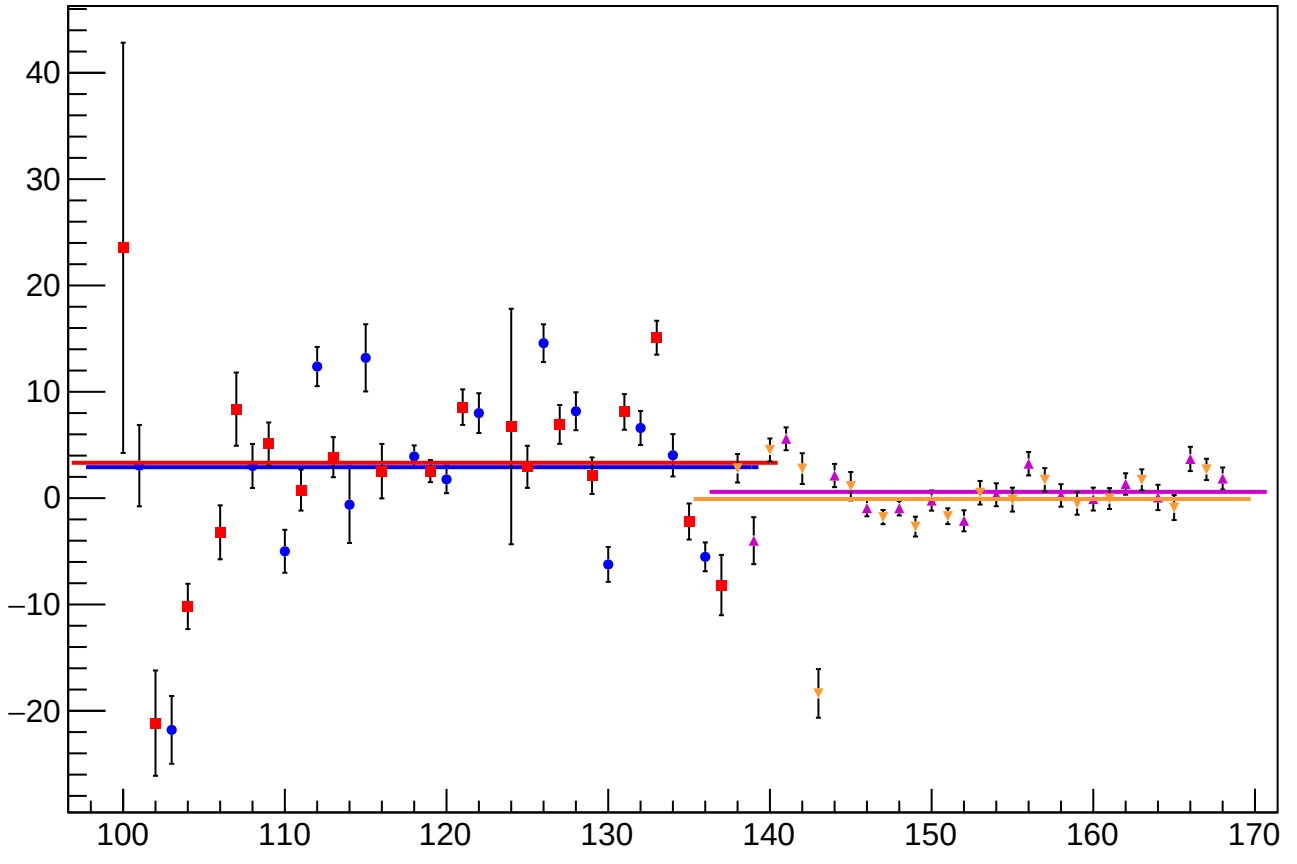
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.559+/-0.370 χ^2/NDF:145.1/14

+ sign 6.657+/-0.281 χ^2/NDF: 8923.6/31

All: 5.722+/-0.197 χ^2/NDF: 15988.1/65

- sign 4.821+/-0.276 χ^2/NDF: 7042.8/33



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.081+/-0.258 χ^2/NDF:125.3/15

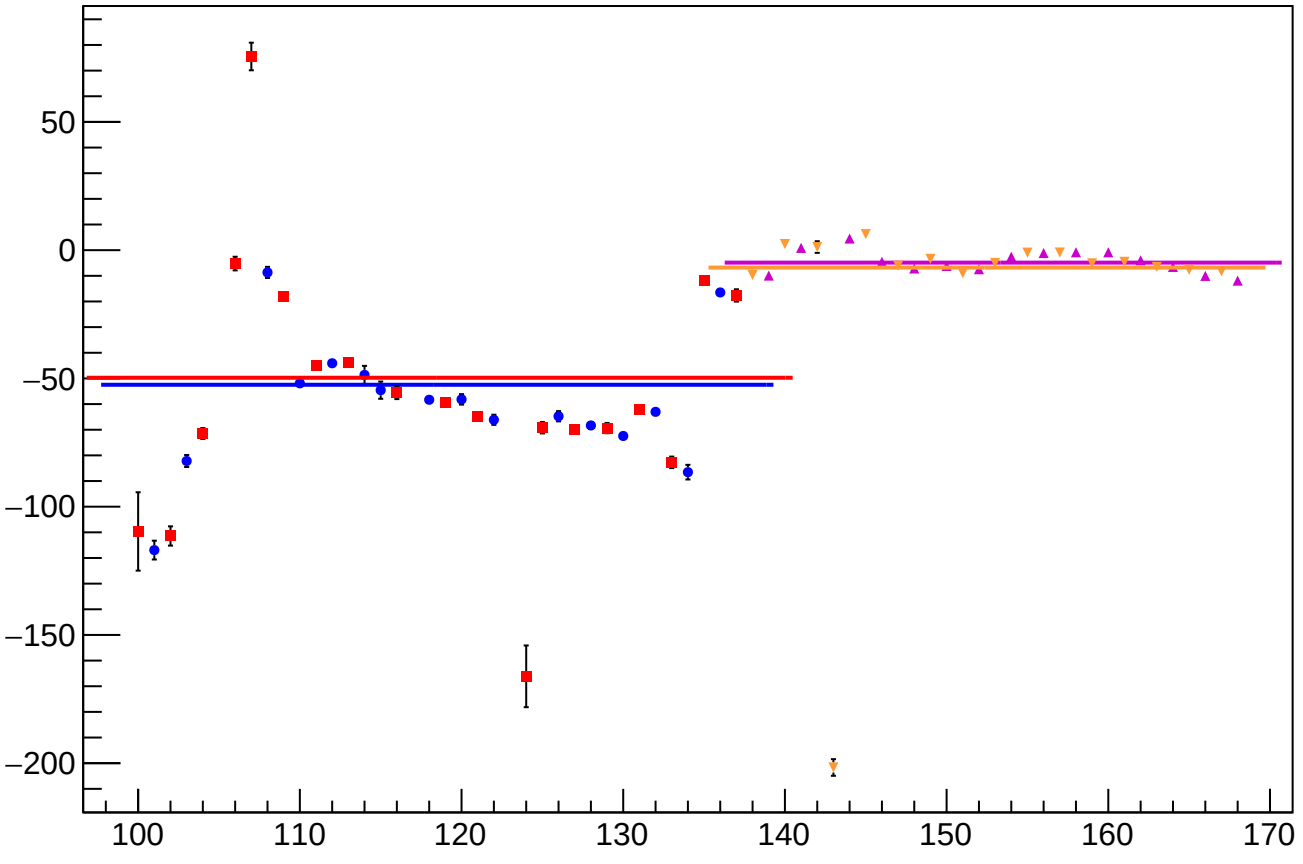
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.593+/-0.261 χ^2/NDF:61.2/14

+ sign 0.680+/-0.223 χ^2/NDF: 409.4/31

All: 0.972+/-0.159 χ^2/NDF: 683.1/65

- sign 1.271+/-0.226 χ^2/NDF: 270.2/33



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.784+/-0.365 χ^2/NDF:3789.6/15

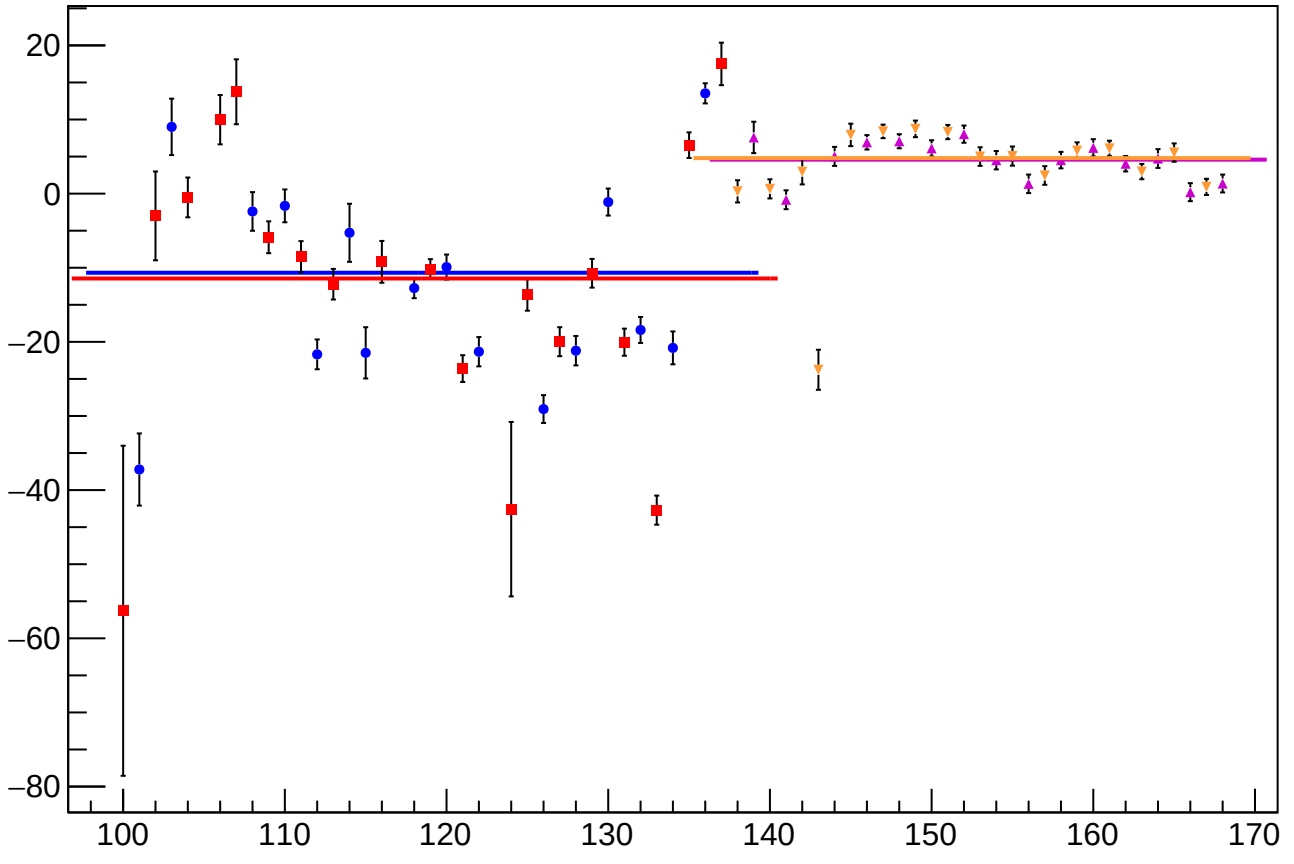
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.854+/-0.359 χ^2/NDF:143.7/14

+ sign -23.196+/-0.292 χ^2/NDF: 11739.9/31

All: -21.781+/-0.206 χ^2/NDF: 20336.8/65

- sign -20.383+/-0.291 χ^2/NDF: 8550.3/33



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 4.793+/-0.301 χ^2/NDF:199.5/15

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

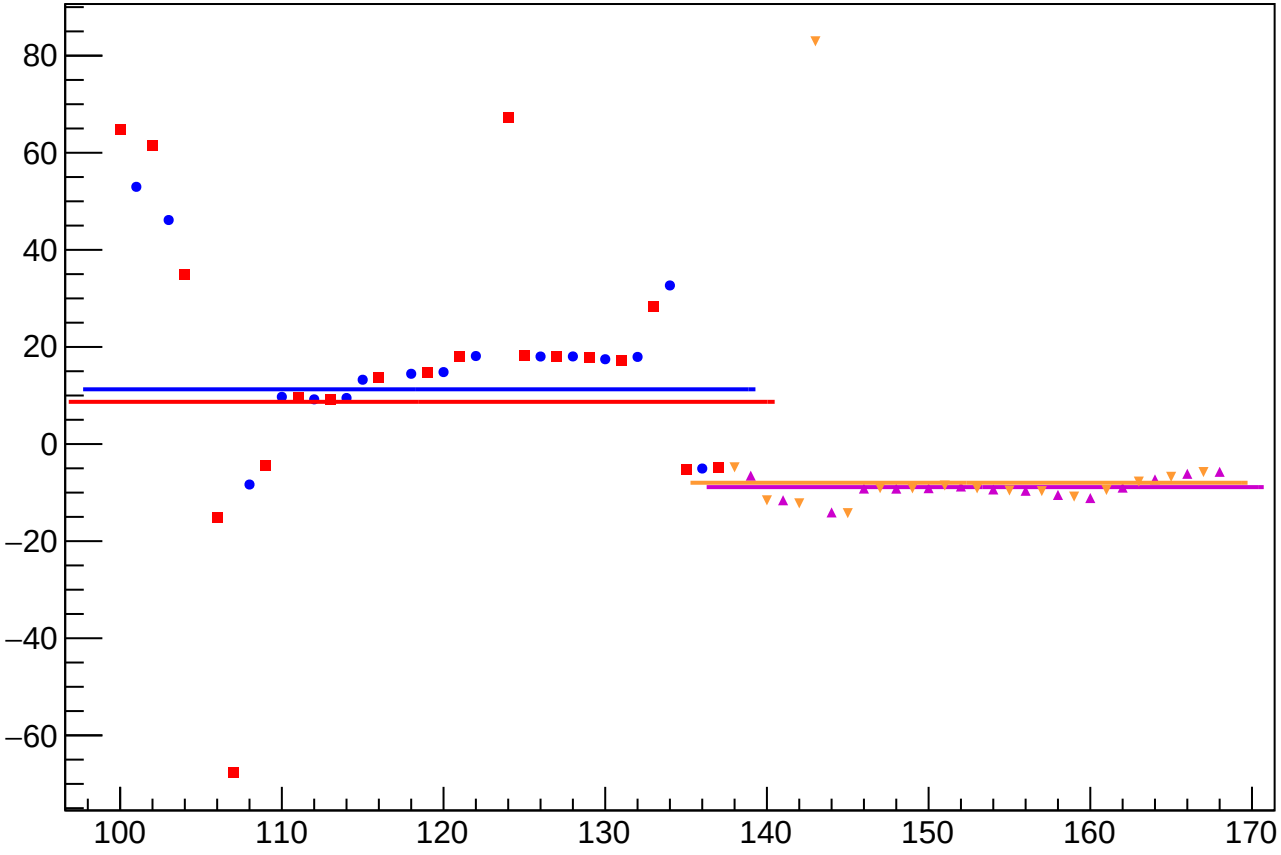
Left In: 4.586+/-0.302 χ^2/NDF:72.6/14

+ sign 0.748+/-0.258 χ^2/NDF: 1557.5/31

All: 0.618+/-0.184 χ^2/NDF: 3015.1/65

- sign 0.485+/-0.261 χ^2/NDF: 1457.0/33

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.971+/-0.014 χ^2/NDF:483436.6/15

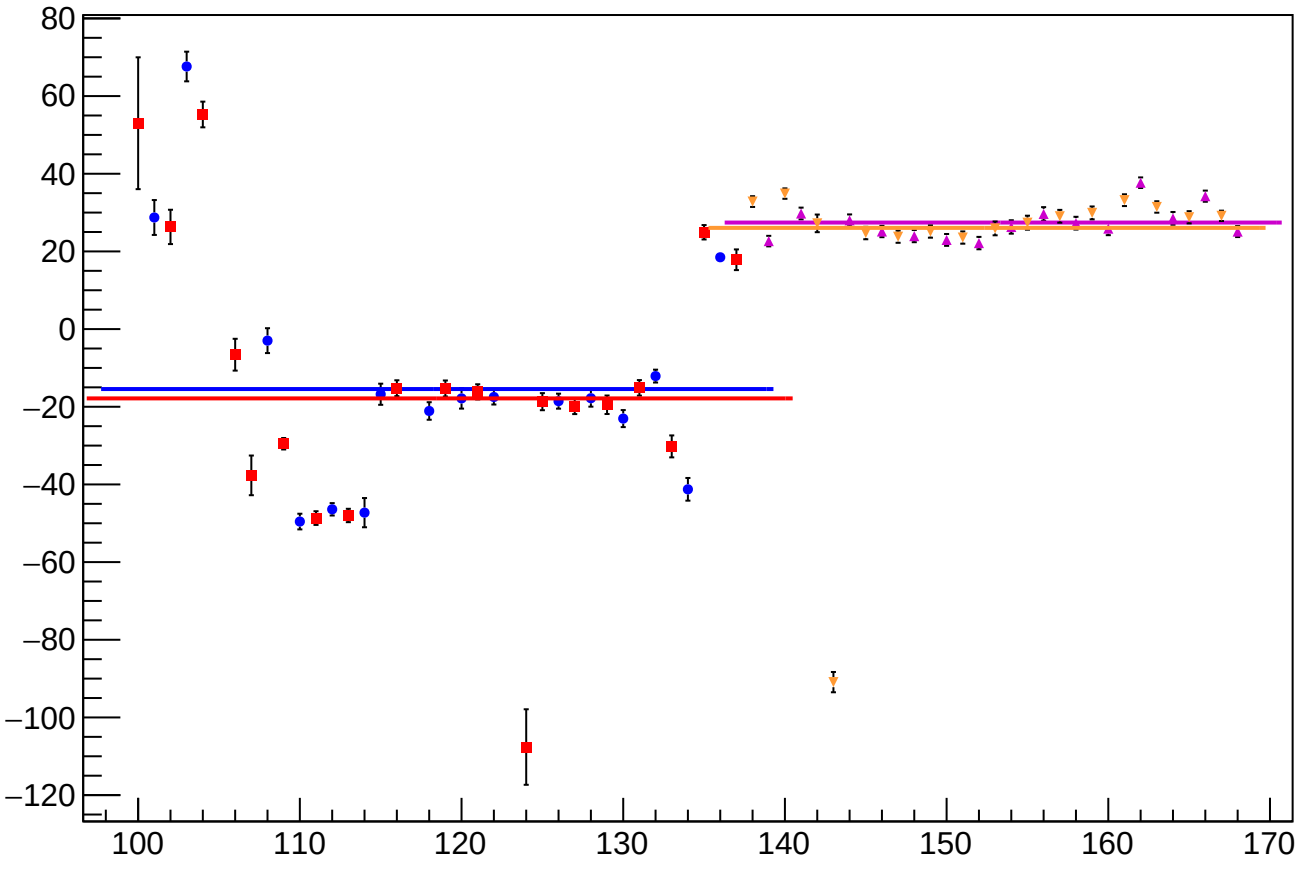
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -8.870+/-0.013 χ^2/NDF:21878.4/14

+ sign -4.633+/-0.012 χ^2/NDF: 1174811.1/31

All: -5.406+/-0.009 χ^2/NDF: 1904905.6/65

- sign -6.163+/-0.012 χ^2/NDF: 722474.3/33



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 26.061+/-0.401 χ^2/NDF:2131.1/15

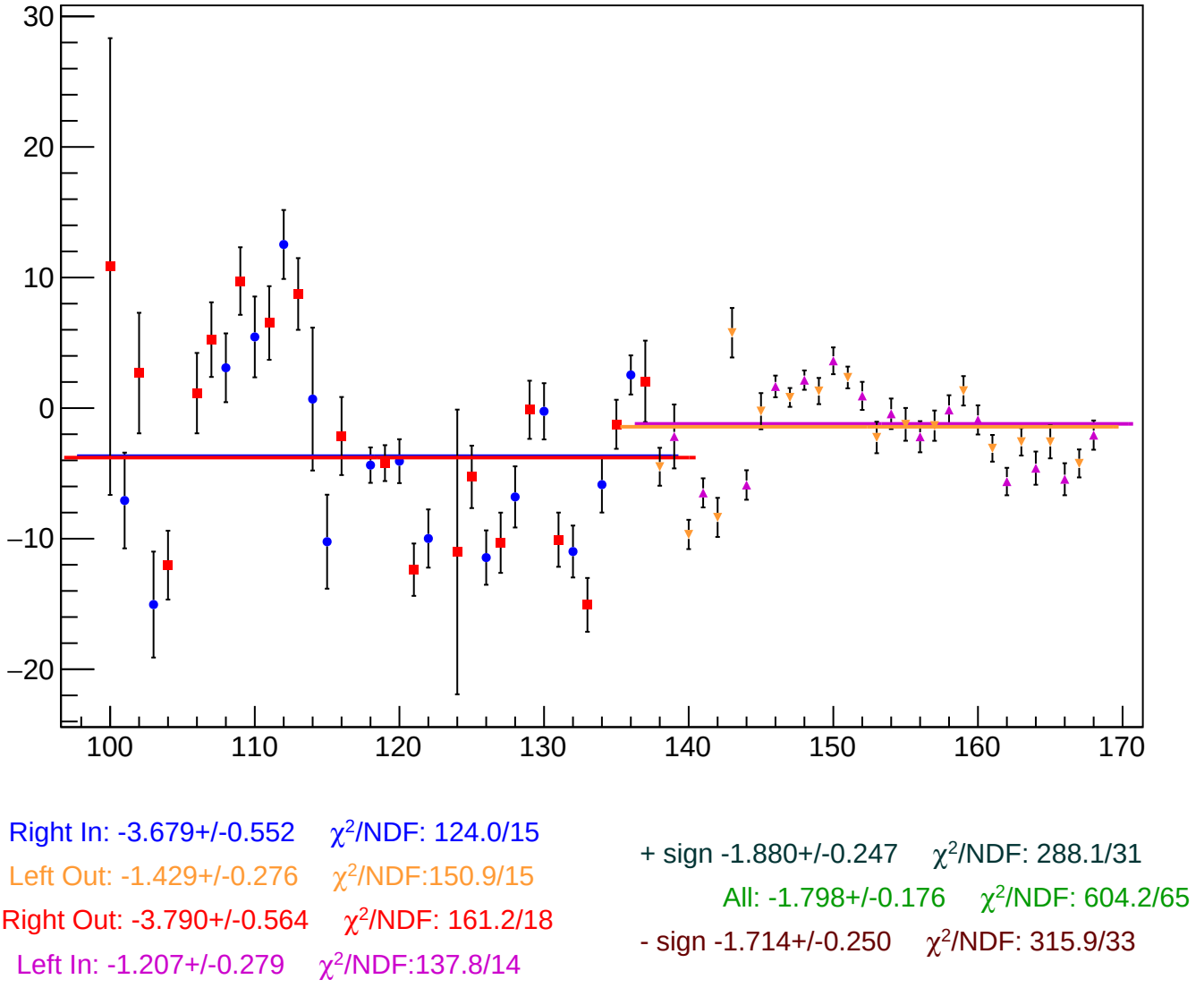
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 27.431+/-0.396 χ^2/NDF:127.0/14

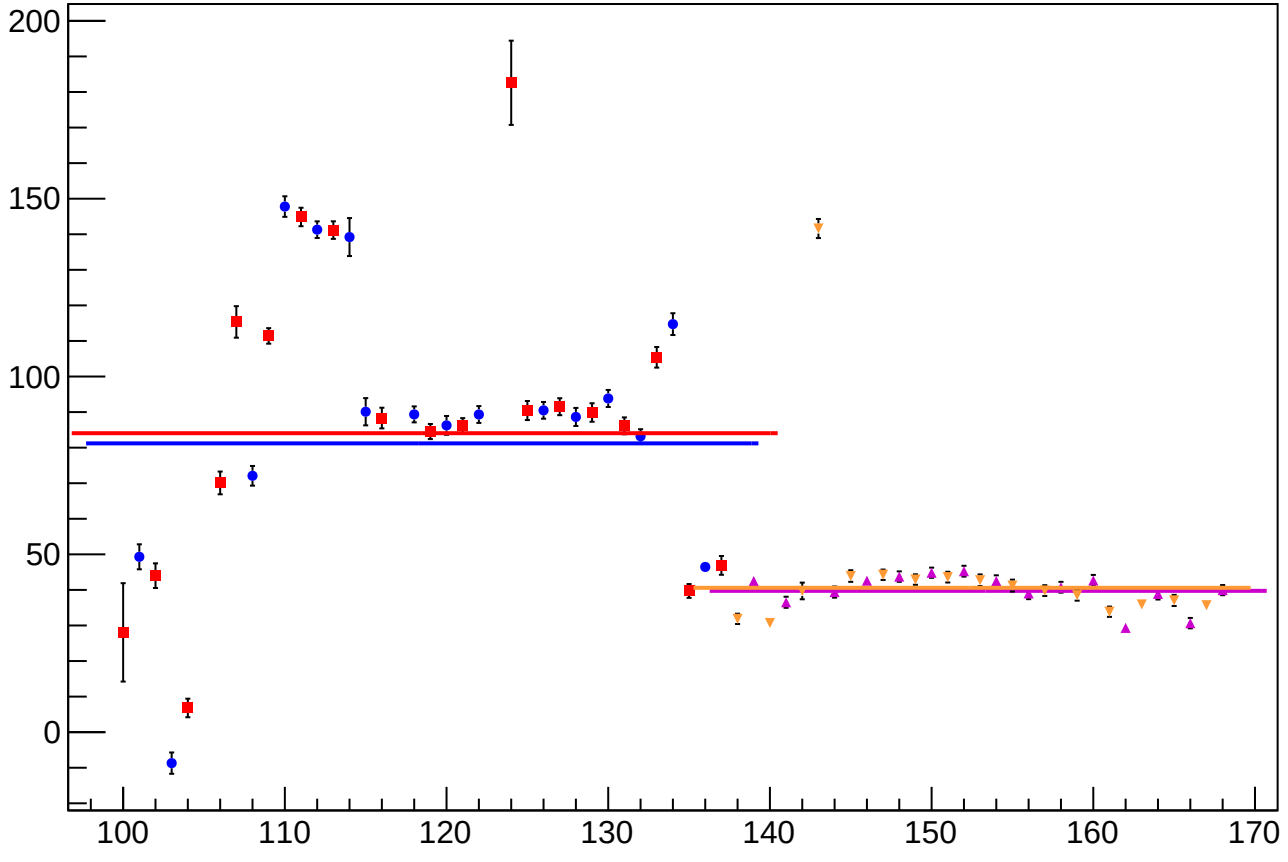
+ sign 11.299+/-0.322 χ^2/NDF: 8073.9/31

All: 11.245+/-0.226 χ^2/NDF: 15013.8/65

- sign 11.193+/-0.317 χ^2/NDF: 6939.9/33


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: -1.429+/-0.276 χ²/NDF:150.9/15
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -1.207+/-0.279 χ²/NDF:137.8/14
+ sign -1.880+/-0.247 χ²/NDF: 288.1/31
All: -1.798+/-0.176 χ²/NDF: 604.2/65
- sign -1.714+/-0.250 χ²/NDF: 315.9/33

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: 40.593+/-0.390 χ^2/NDF:1573.0/15

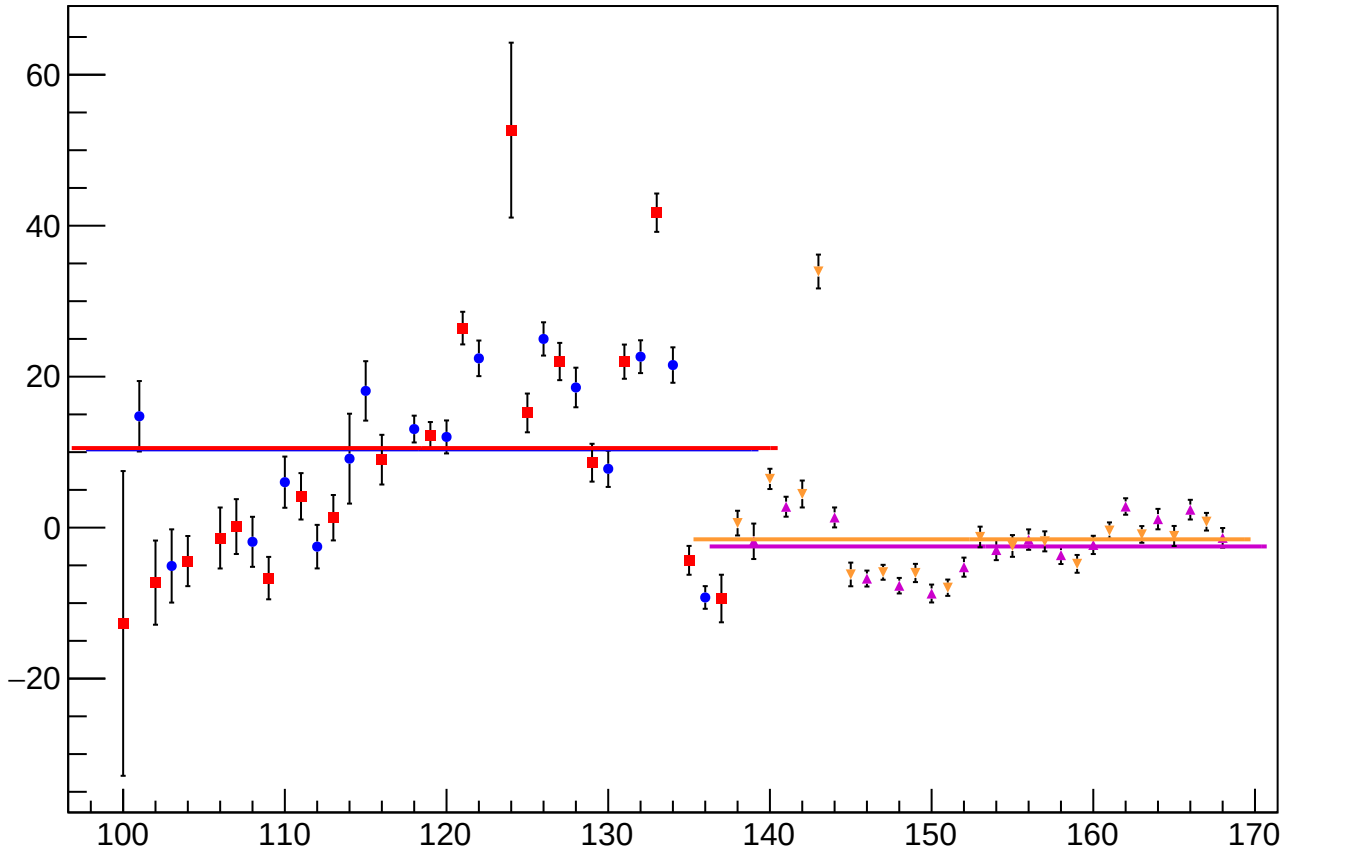
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

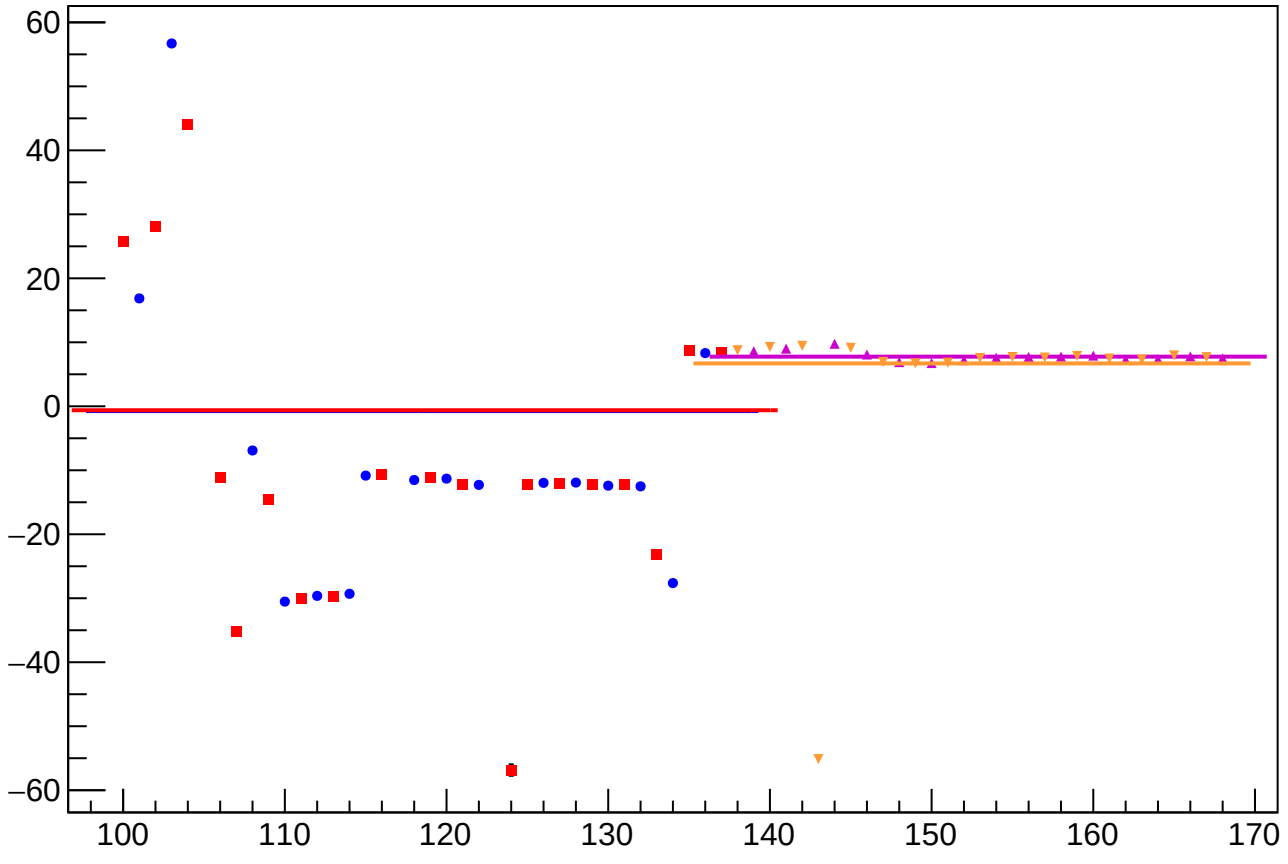
Left In: 39.736+/-0.385 χ^2/NDF:154.7/14

+ sign 52.461+/-0.328 χ^2/NDF: 7970.9/31

All: 52.316+/-0.231 χ^2/NDF: 15055.0/65

- sign 52.172+/-0.326 χ^2/NDF: 7083.7/33


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: -1.549+/-0.321 χ²/NDF:390.0/15
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -2.494+/-0.323 χ²/NDF:145.4/14
+ sign 0.933+/-0.286 χ²/NDF: 1036.2/31
All: 0.548+/-0.203 χ²/NDF: 1986.2/65
- sign 0.155+/-0.289 χ²/NDF: 946.3/33



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.698+/-0.015 χ^2/NDF:314074.9/15

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

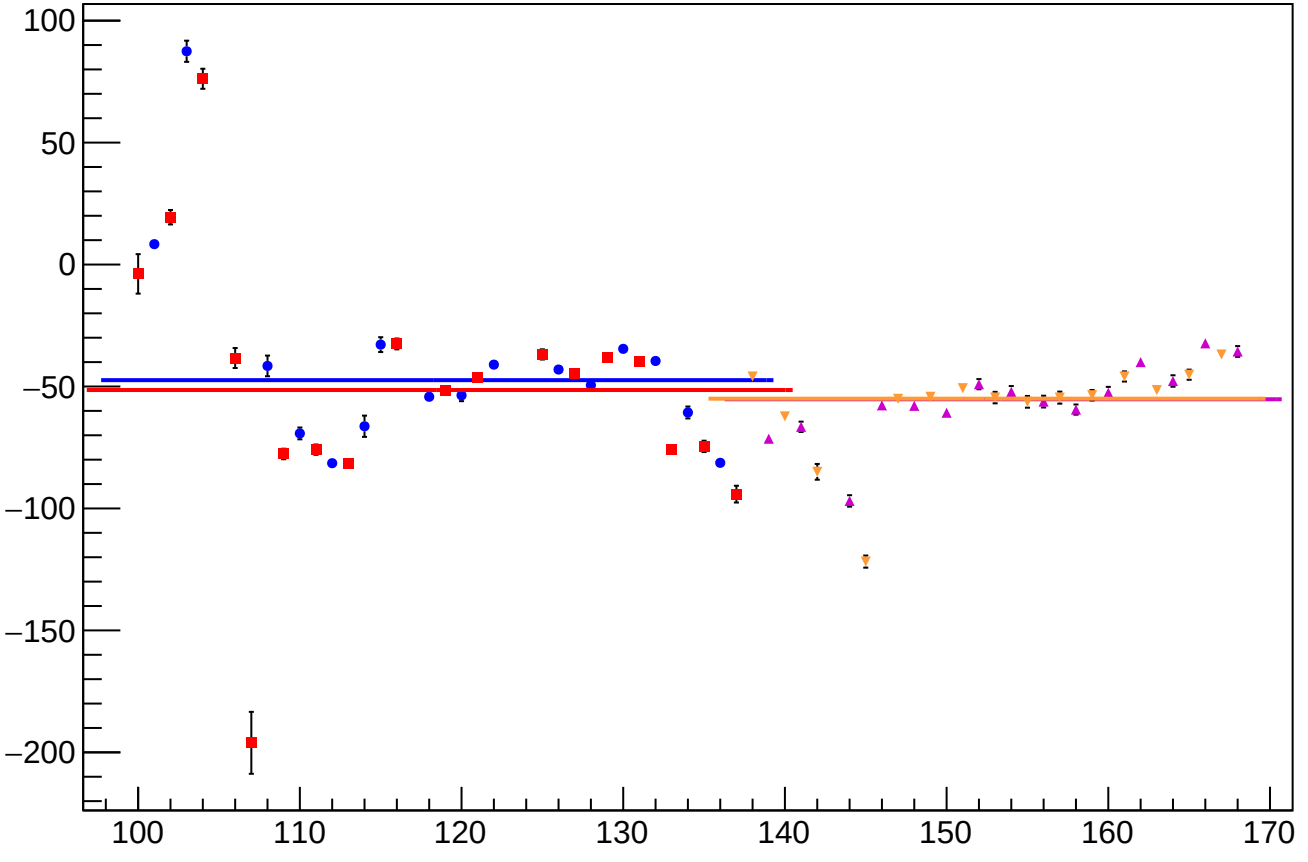
Left In: 7.757+/-0.014 χ^2/NDF:2321.5/14

+ sign 5.633+/-0.014 χ^2/NDF: 718946.4/31

All: 6.160+/-0.010 χ^2/NDF: 1084577.4/65

- sign 6.675+/-0.013 χ^2/NDF: 362647.4/33

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -54.988+/-0.537 χ^2/NDF:1004.1/14

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

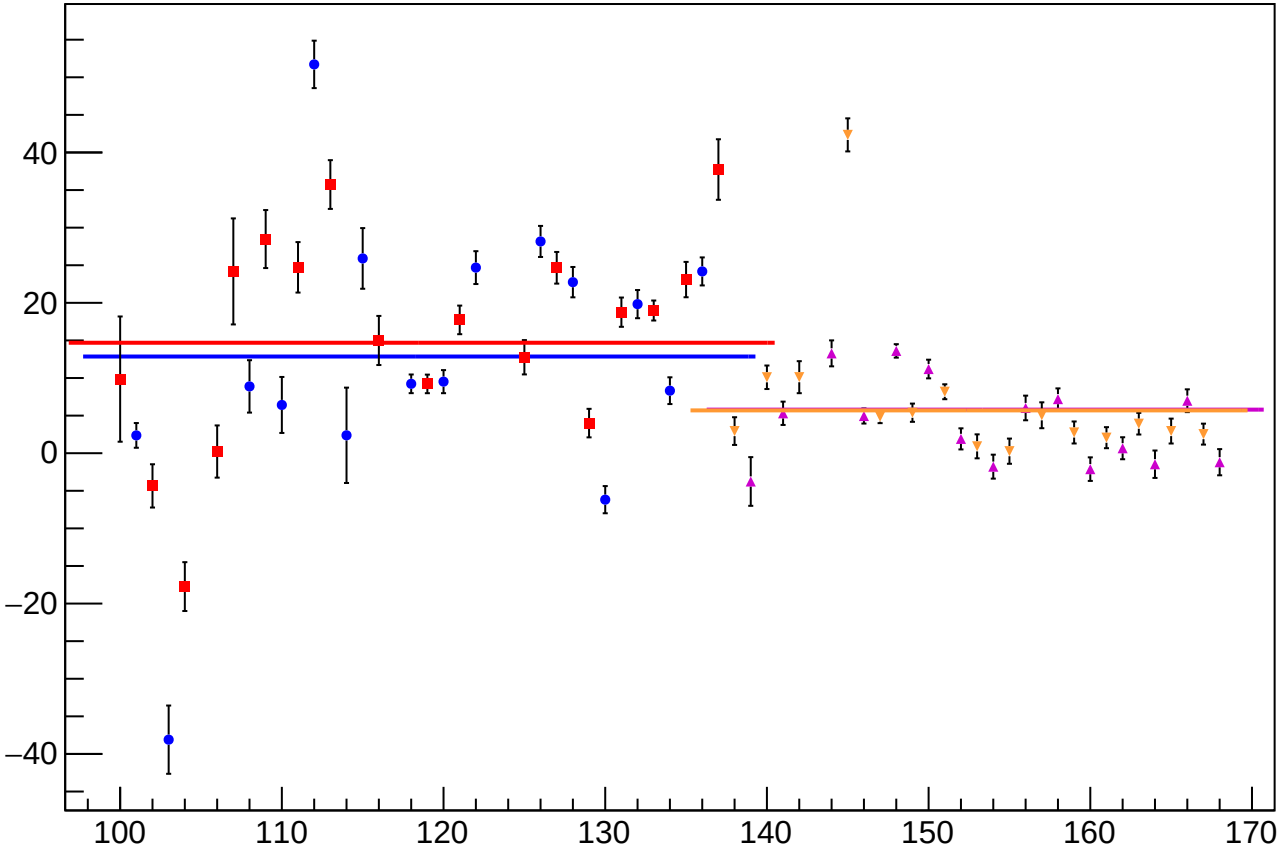
Left In: -55.231+/-0.530 χ^2/NDF:774.5/14

\+ sign -51.177+/-0.379 χ^2/NDF: 3873.2/30

All: -52.281+/-0.268 χ^2/NDF: 7562.3/63

\- sign -53.391+/-0.380 χ^2/NDF: 3672.1/32

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.694+/-0.363 χ^2/NDF:339.1/14

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

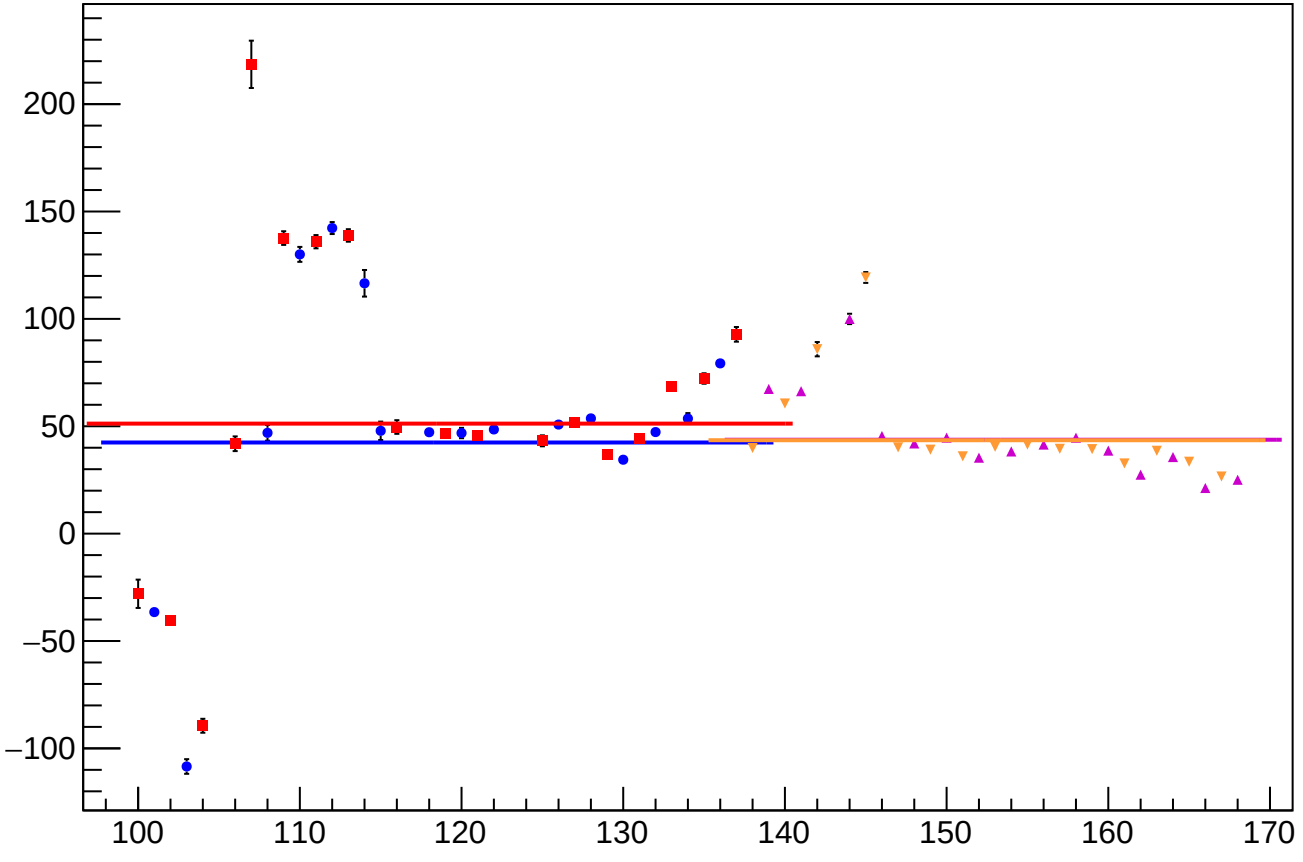
Left In: 5.795+/-0.367 χ^2/NDF:224.9/14

+ sign 8.050+/-0.297 χ^2/NDF: 1092.7/30

All: 8.305+/-0.213 χ^2/NDF: 1867.0/63

- sign 8.572+/-0.304 χ^2/NDF: 772.8/32

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 43.496+/-0.522 χ^2/NDF:1336.4/14

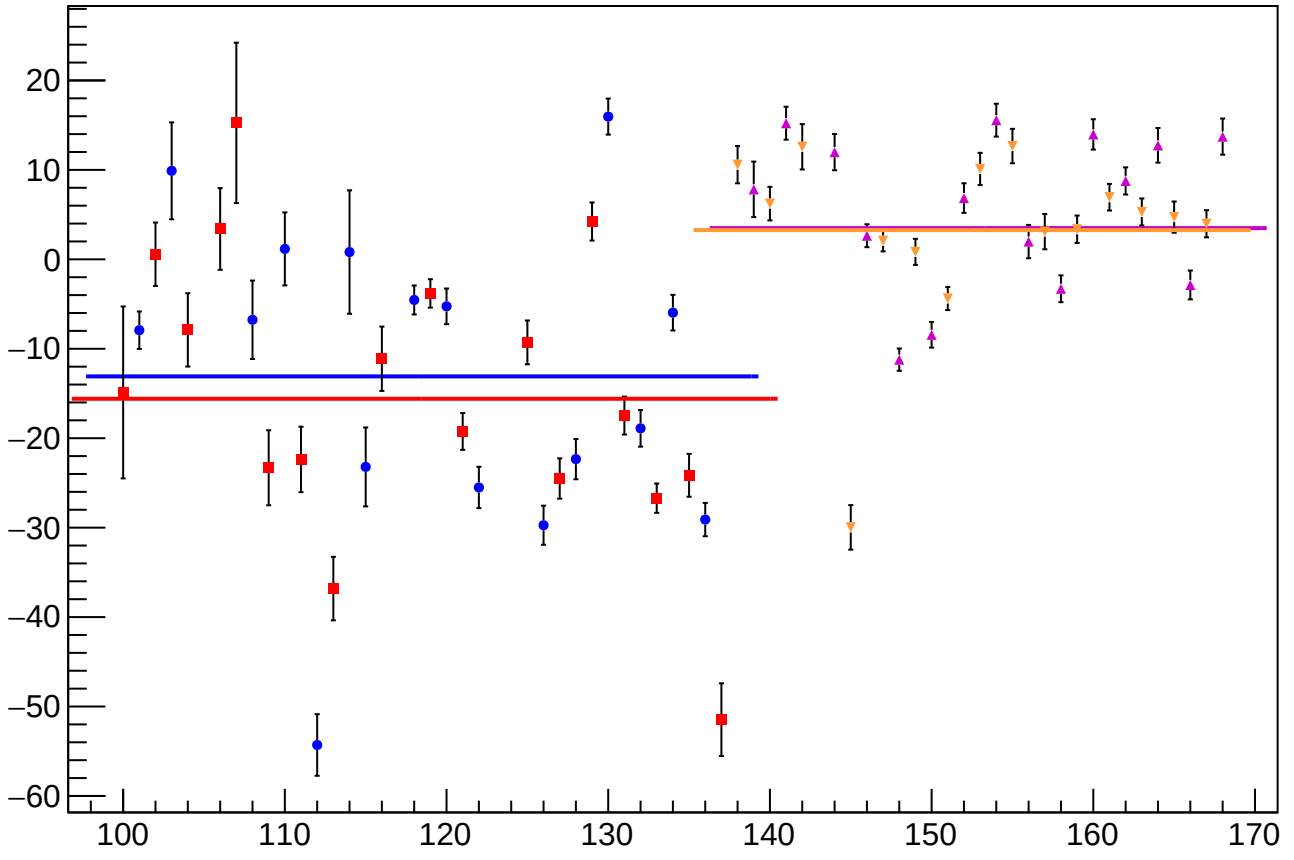
Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 43.720+/-0.514 χ^2/NDF:1158.6/14

+ sign 43.026+/-0.389 χ^2/NDF: 8507.1/30

All: 44.891+/-0.277 χ^2/NDF: 16411.4/63

- sign 46.805+/-0.394 χ^2/NDF: 7857.7/32



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.268+/-0.425 χ^2/NDF:292.5/14

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

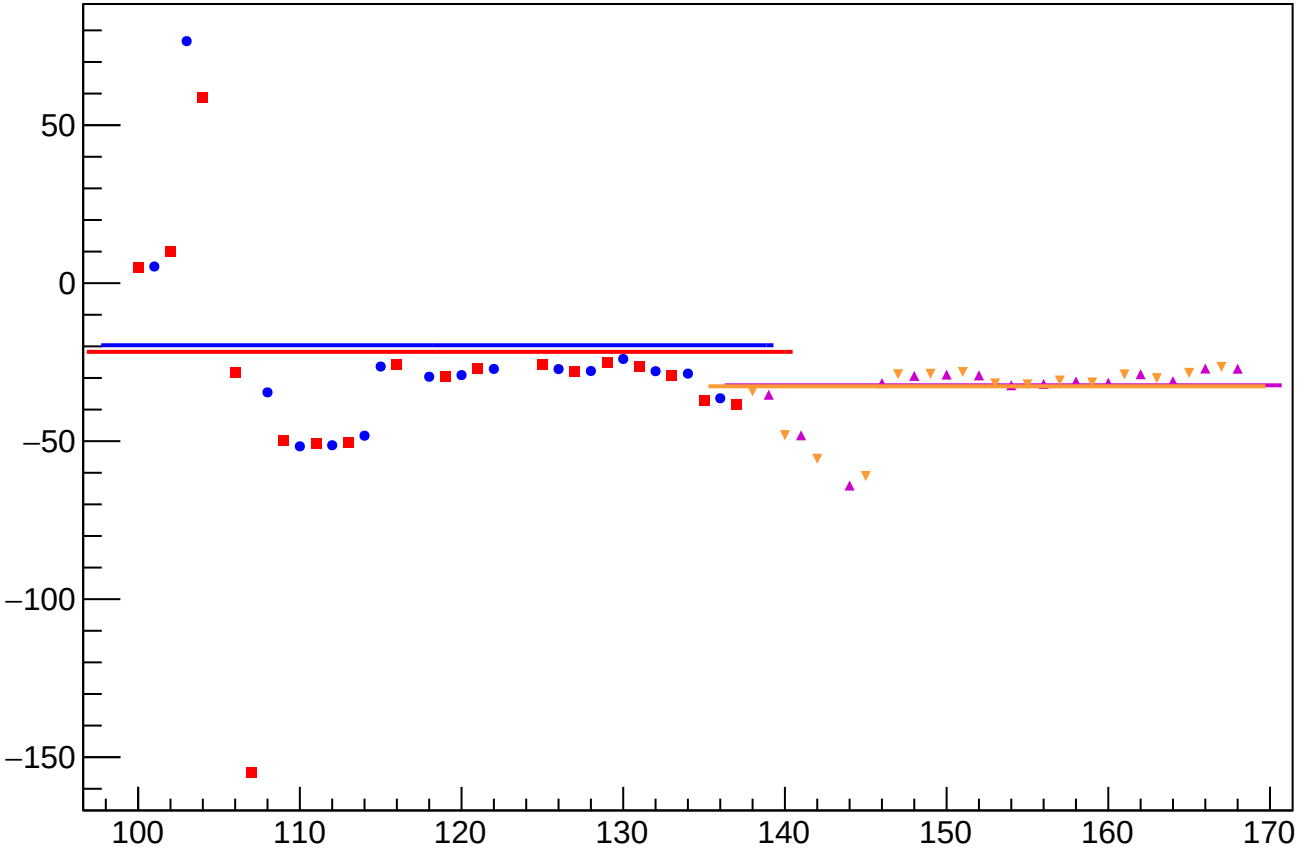
Left In: 3.491+/-0.428 χ^2/NDF:451.3/14

+ sign -2.205+/-0.347 χ^2/NDF: 1427.4/30

All: -2.390+/-0.248 χ^2/NDF: 2912.8/63

- sign -2.581+/-0.354 χ^2/NDF: 1484.8/32

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -32.636+/-0.020 χ^2/NDF:169477.3/14

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

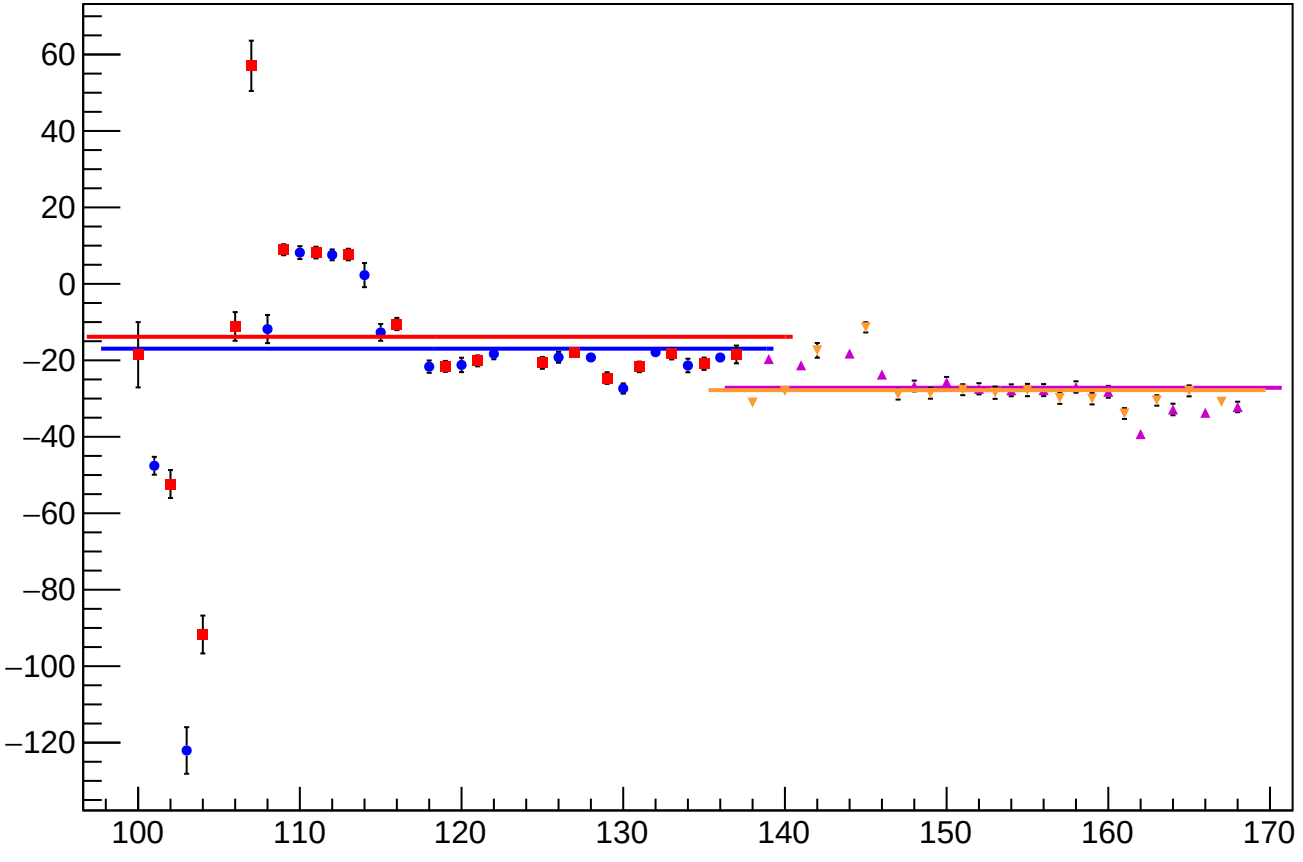
Left In: -32.321+/-0.019 χ^2/NDF:139115.6/14

+ sign -29.660+/-0.017 χ^2/NDF: 916194.8/30

All: -29.945+/-0.012 χ^2/NDF: 1662041.7/63

- sign -30.230+/-0.017 χ^2/NDF: 745302.9/32

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -27.804+/-0.362 χ^2/NDF:221.9/14

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

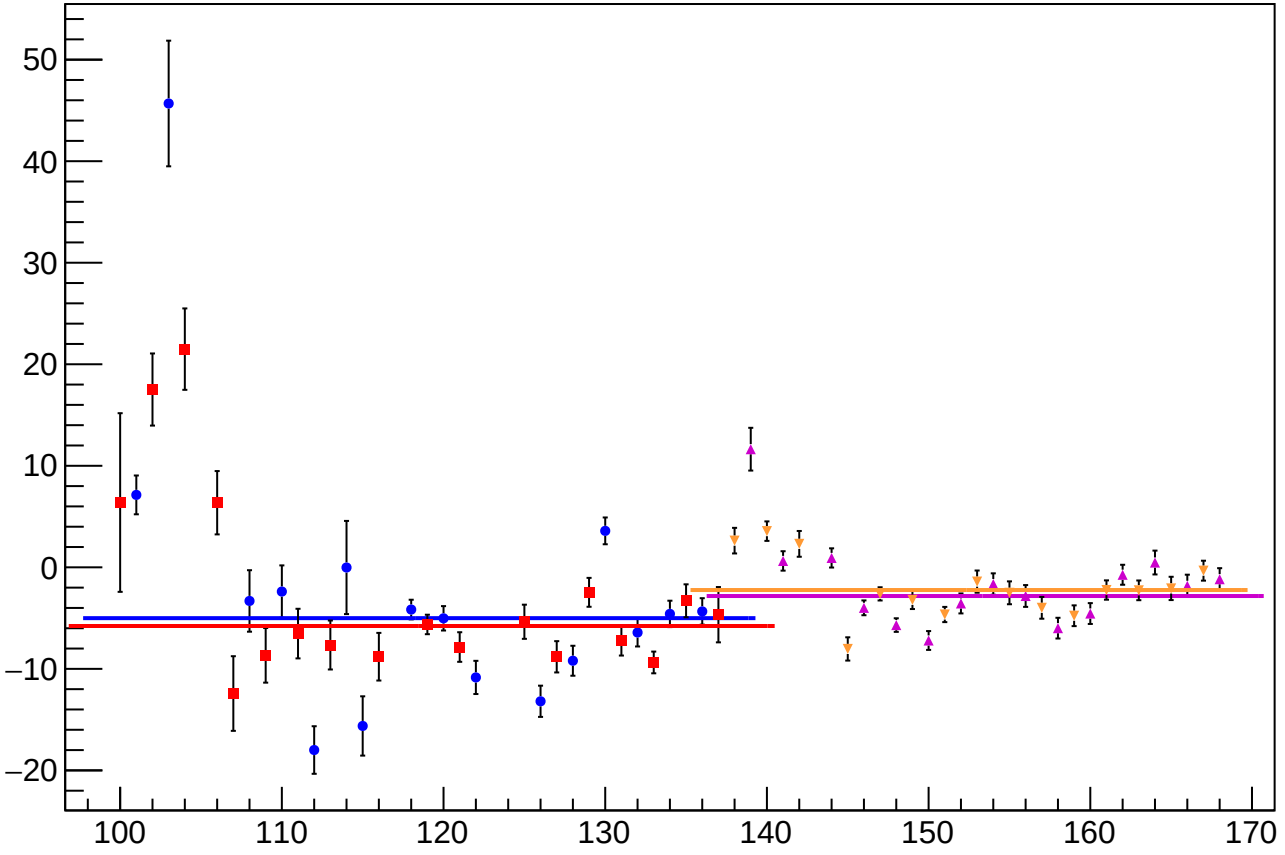
Left In: -27.174+/-0.356 χ^2/NDF:264.2/14

+ sign -22.961+/-0.270 χ^2/NDF: 1750.2/30

All: -22.194+/-0.190 χ^2/NDF: 3968.9/63

- sign -21.436+/-0.268 χ^2/NDF: 2202.6/32

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.236+/-0.251 χ^2/NDF:114.9/14

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

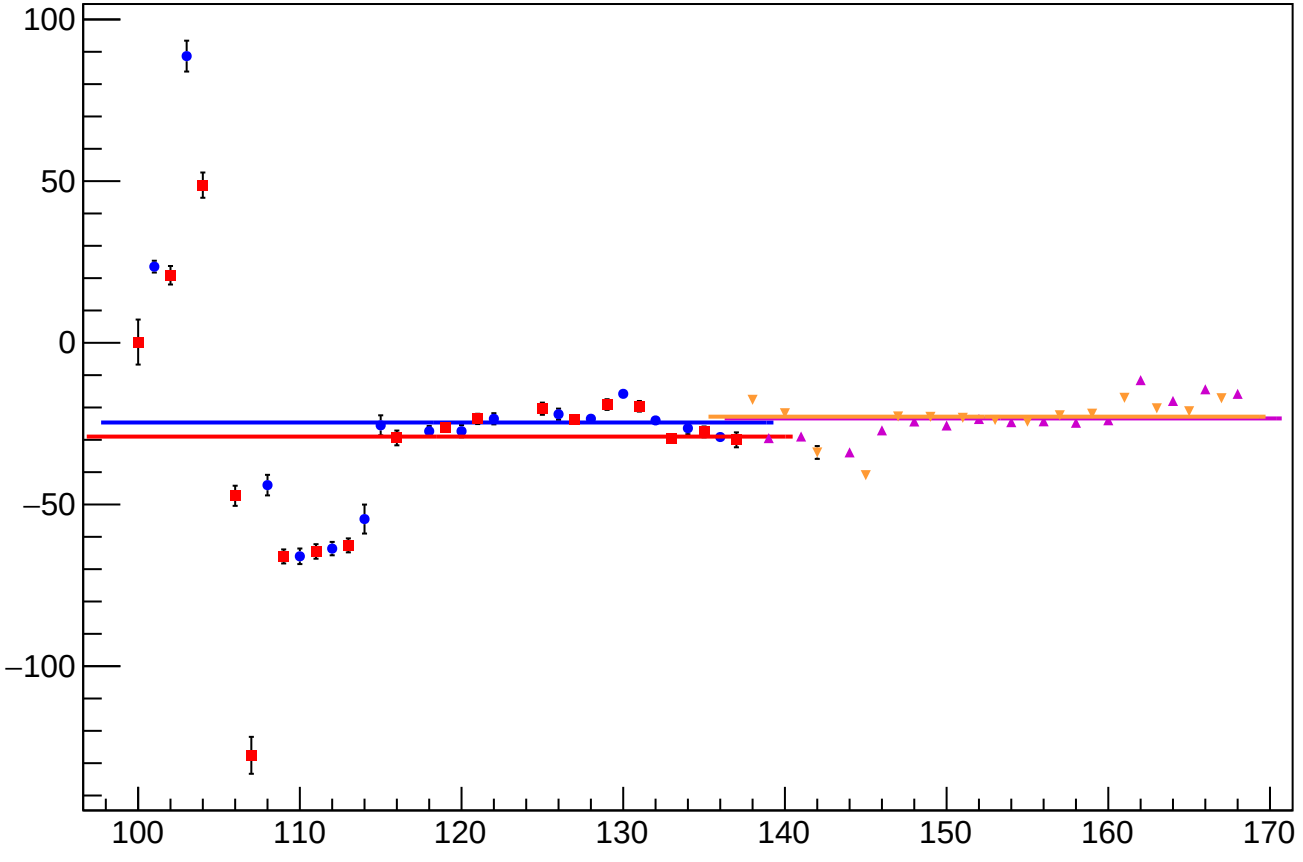
Left In: -2.826+/-0.251 χ^2/NDF:149.0/14

+ sign -3.015+/-0.213 χ^2/NDF: 396.9/30

All: -3.307+/-0.151 χ^2/NDF: 725.5/63

- sign -3.605+/-0.215 χ^2/NDF: 324.8/32

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -22.838+/-0.353 χ^2/NDF:272.5/14

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

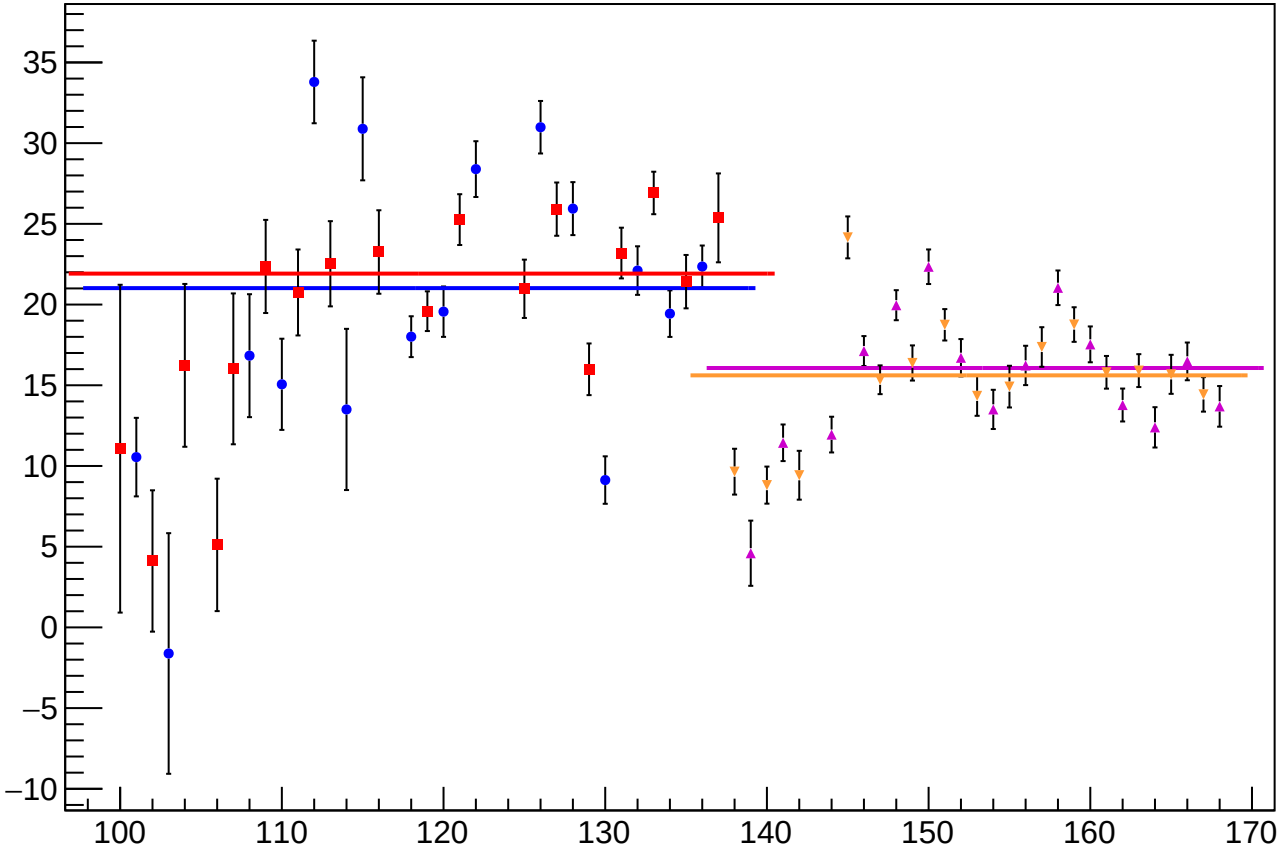
Left In: -23.387+/-0.346 χ^2/NDF:305.0/14

+ sign -23.516+/-0.279 χ^2/NDF: 2334.1/30

All: -24.422+/-0.198 χ^2/NDF: 4703.8/63

- sign -25.333+/-0.280 χ^2/NDF: 2348.5/32

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.614+/-0.292 χ^2/NDF:137.1/14

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

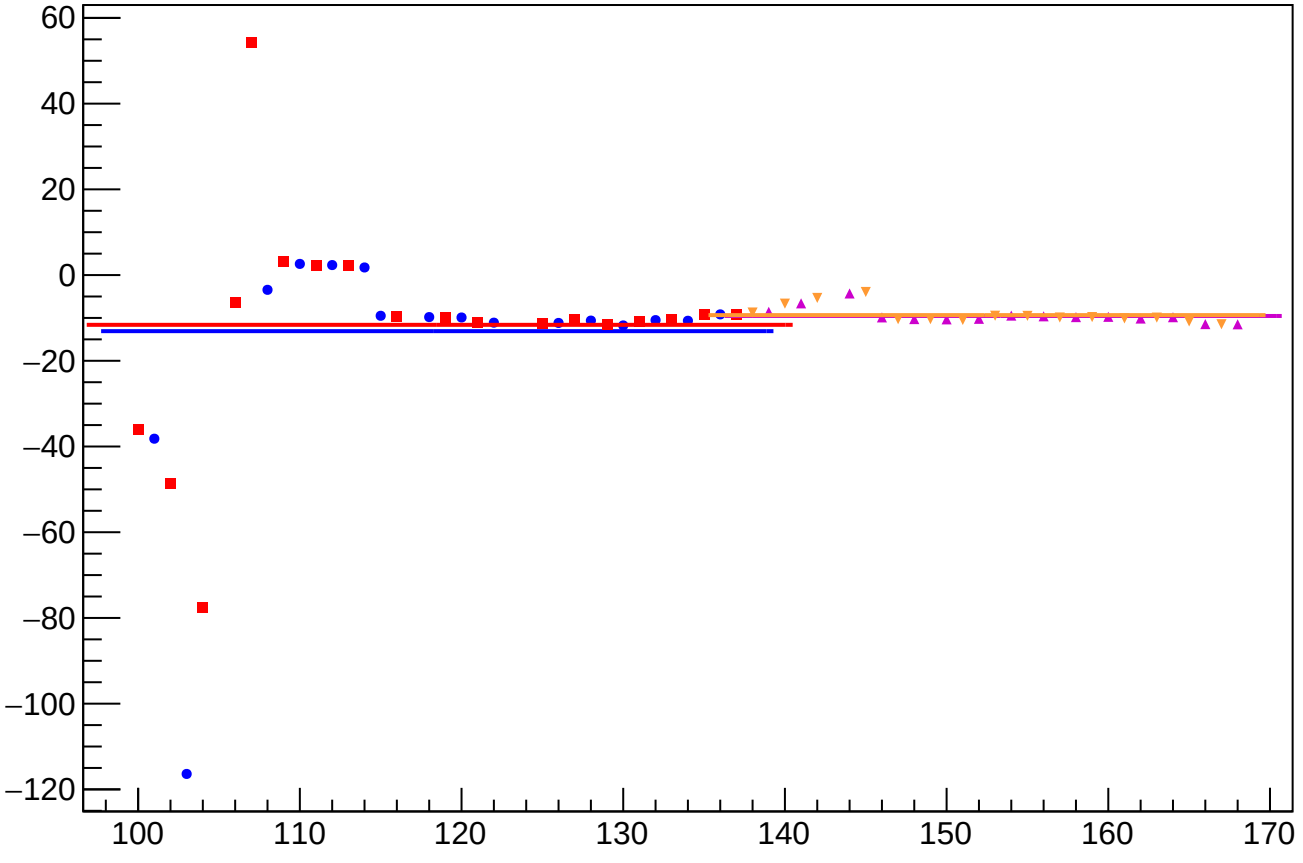
Left In: 16.069+/-0.291 χ^2/NDF:161.4/14

+ sign 17.175+/-0.246 χ^2/NDF: 445.7/30

All: 17.411+/-0.175 χ^2/NDF: 800.5/63

- sign 17.652+/-0.249 χ^2/NDF: 352.9/32

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.345+/-0.013 χ^2/NDF:19943.1/14

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

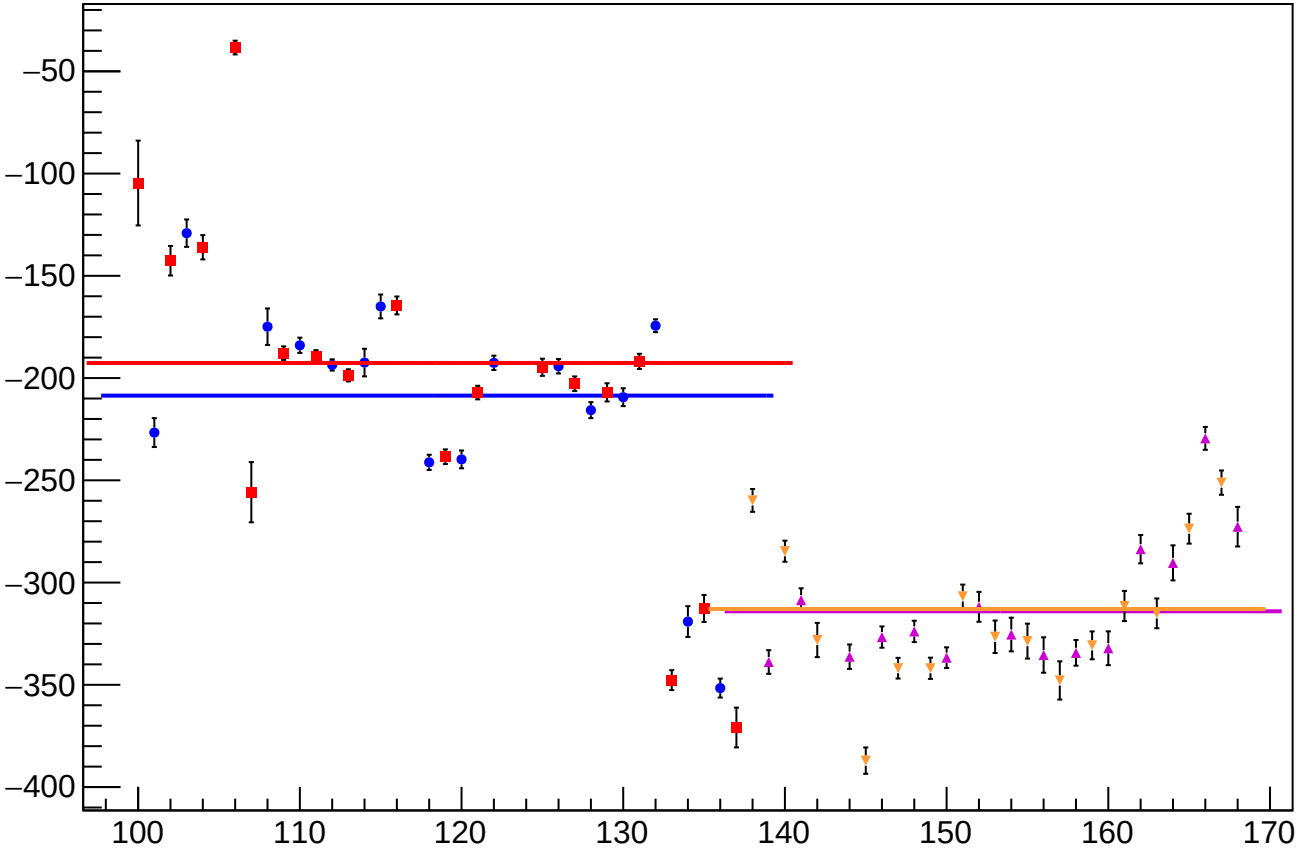
Left In: -9.544+/-0.013 χ^2/NDF:15267.7/14

+ sign -10.017+/-0.012 χ^2/NDF: 379108.2/30

All: -9.935+/-0.008 χ^2/NDF: 712455.7/63

- sign -9.854+/-0.012 χ^2/NDF: 333254.4/32

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -312.927+/-1.664 χ^2/NDF:485.4/14

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

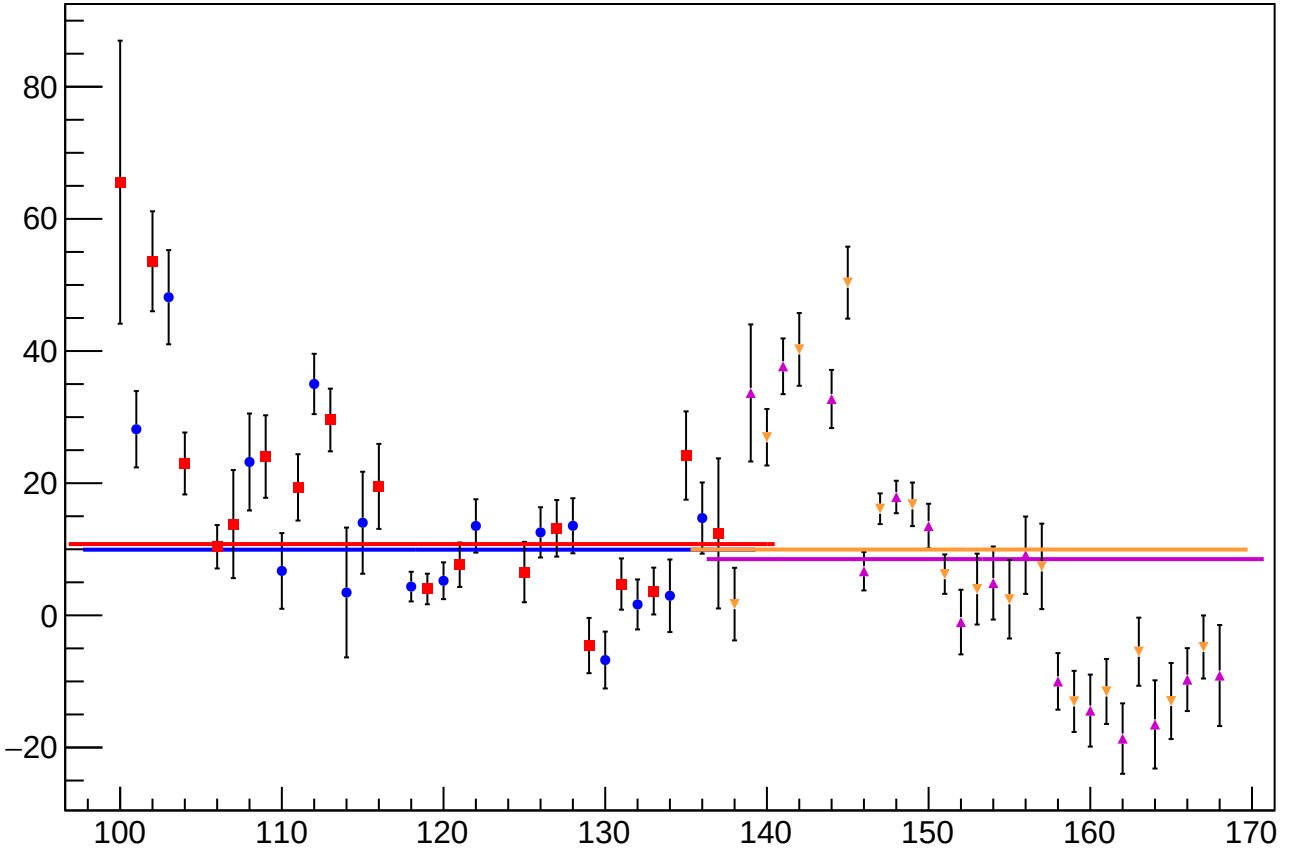
Left In: -314.053+/-1.656 χ^2/NDF:360.2/14

+ sign -238.955+/-0.898 χ^2/NDF: 5022.5/30

All: -231.649+/-0.619 χ^2/NDF: 13660.2/63

- sign -225.022+/-0.855 χ^2/NDF: 8511.5/32

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 9.962+/-1.097 χ^2/NDF:197.4/14

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

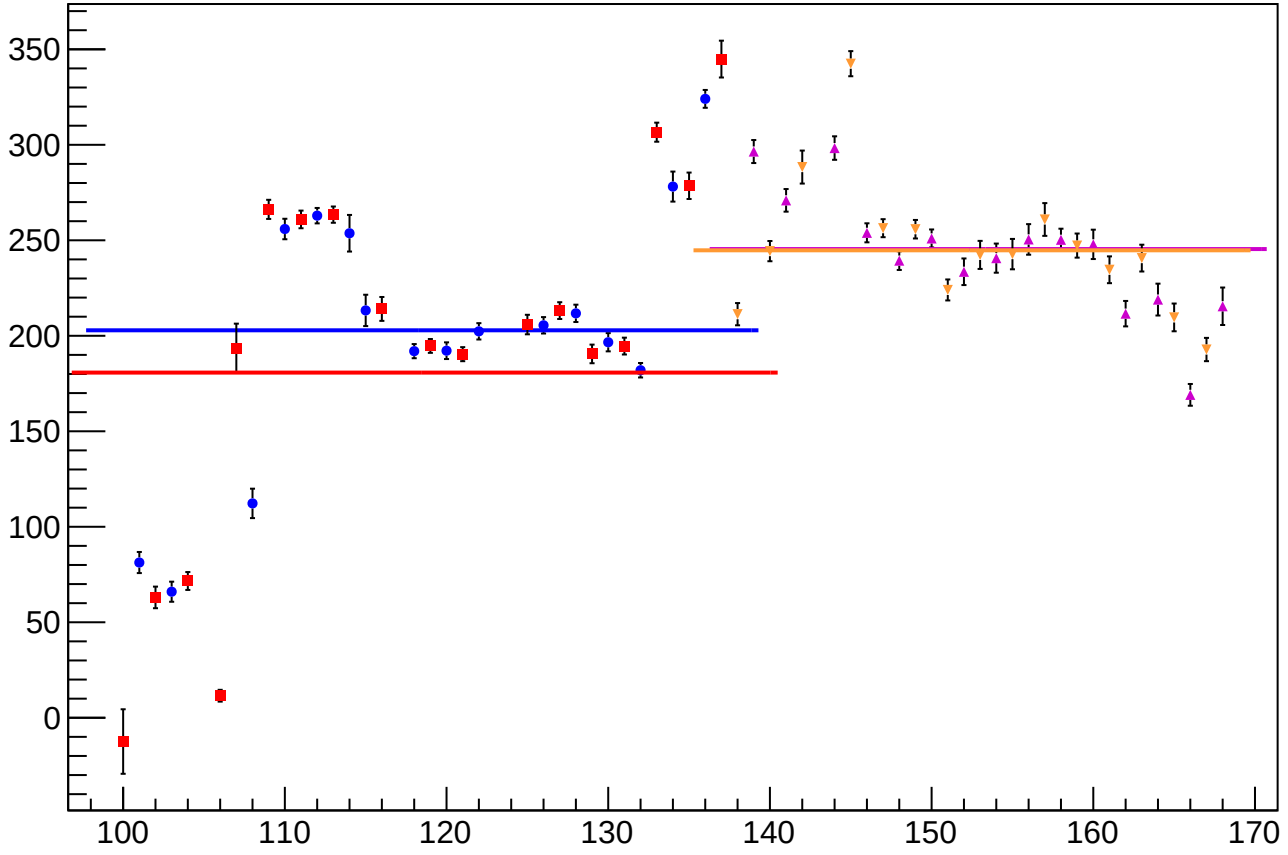
Left In: 8.510+/-1.119 χ^2/NDF:201.9/14

+ sign 9.950+/-0.764 χ^2/NDF: 303.9/30

All: 9.839+/-0.540 χ^2/NDF: 613.2/63

- sign 9.728+/-0.763 χ^2/NDF: 309.2/32

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 244.758+/-1.618 χ^2/NDF:407.2/14

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

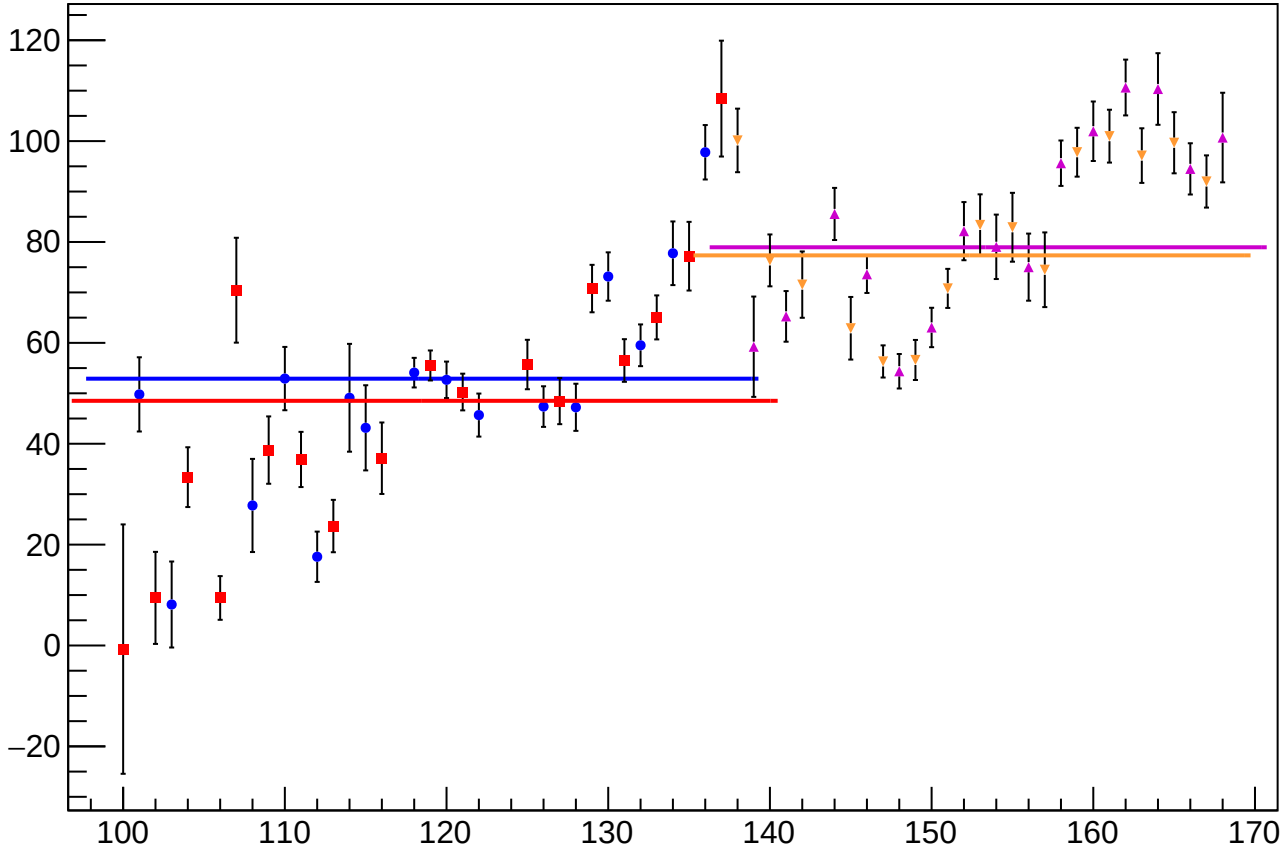
Left In: 245.417+/-1.605 χ^2/NDF:399.3/14

+ sign 218.139+/-0.977 χ^2/NDF: 3297.1/30

All: 209.950+/-0.674 χ^2/NDF: 11255.4/63

- sign 202.507+/-0.931 χ^2/NDF: 7824.2/32

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 77.346+/-1.307 χ^2/NDF:167.9/14

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

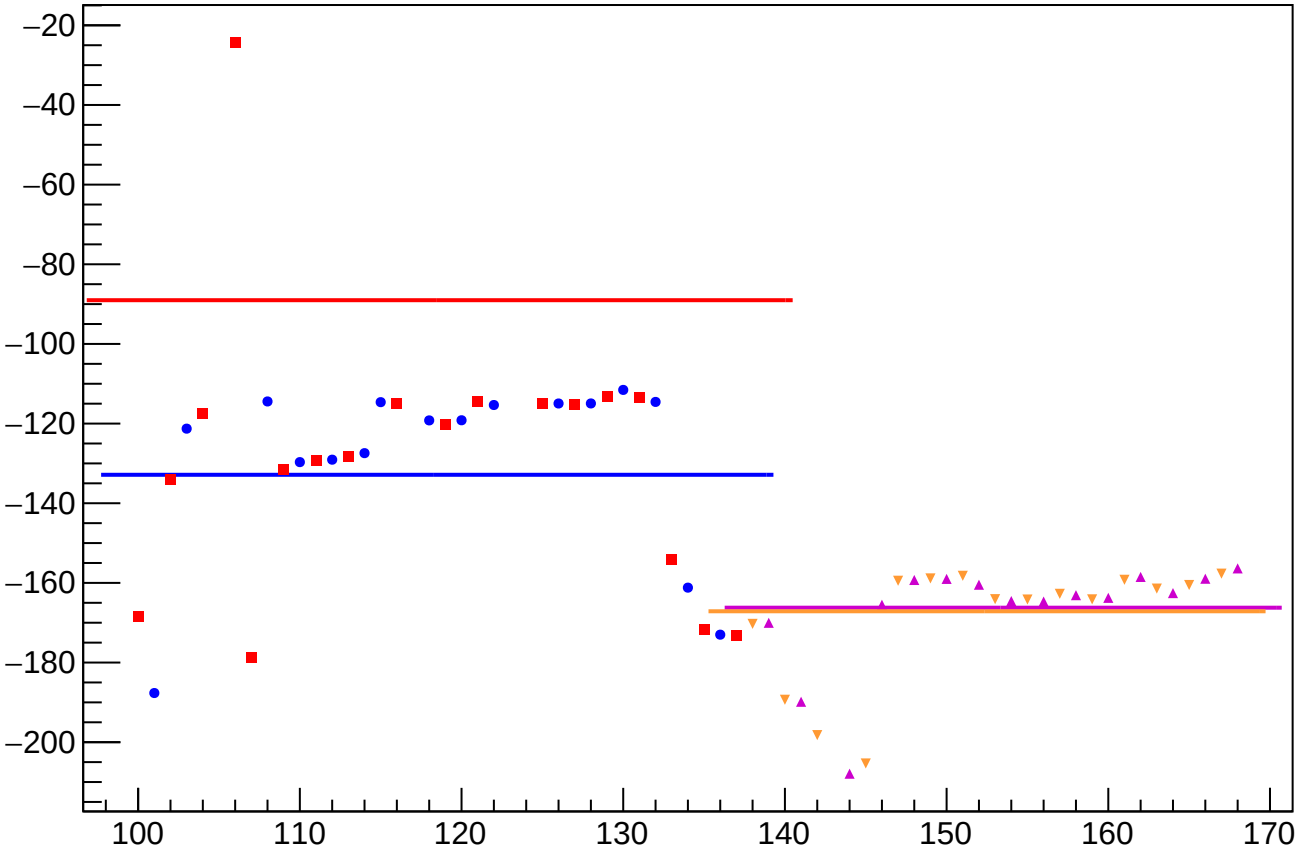
Left In: 78.951+/-1.324 χ^2/NDF:180.6/14

+ sign 64.491+/-0.900 χ^2/NDF: 550.0/30

All: 63.447+/-0.635 χ^2/NDF: 1260.4/63

- sign 62.415+/-0.895 χ^2/NDF: 707.7/32

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -167.127+/-0.063 χ^2/NDF:47487.0/14

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

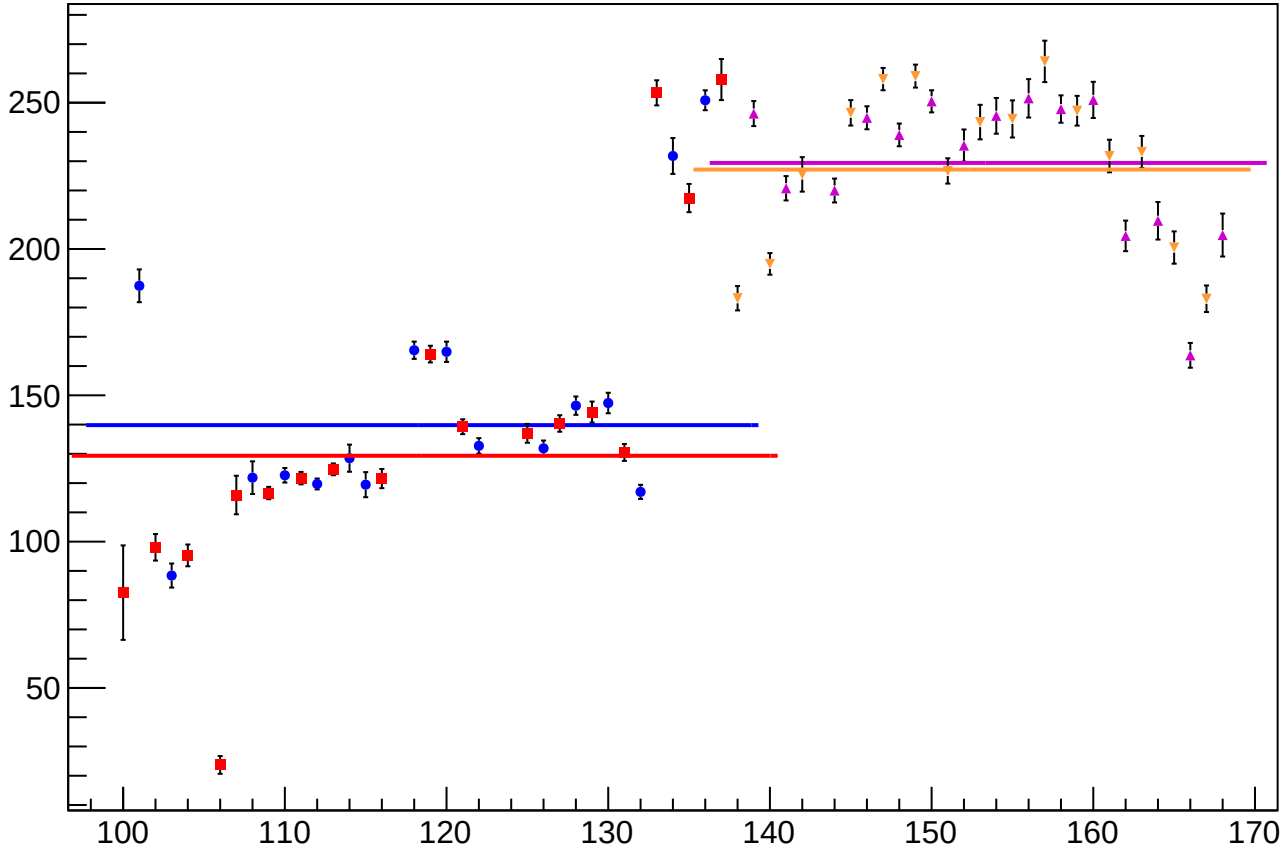
Left In: -166.227+/-0.061 χ^2/NDF:39185.1/14

+ sign -154.399+/-0.050 χ^2/NDF: 252539.4/30

All: -140.452+/-0.033 χ^2/NDF: 1917112.6/63

- sign -129.268+/-0.044 χ^2/NDF: 1521982.9/32

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 227.146+/-1.232 χ^2/NDF:517.3/14

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

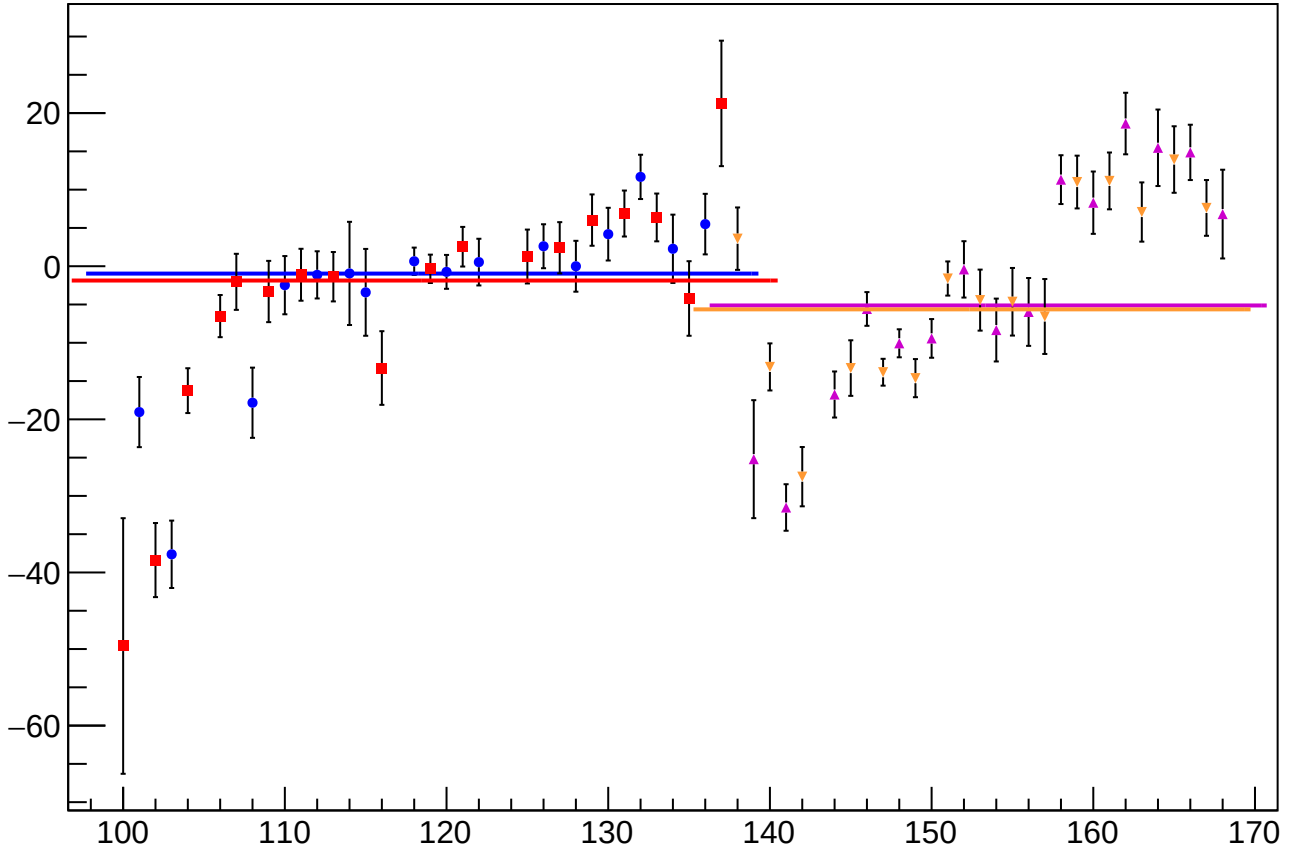
Left In: 229.409+/-1.228 χ^2/NDF:408.7/14

+ sign 165.015+/-0.662 χ^2/NDF: 6058.4/30

All: 160.135+/-0.456 χ^2/NDF: 14587.8/63

- sign 155.709+/-0.630 χ^2/NDF: 8425.7/32

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -5.635+/-0.815 χ^2/NDF:173.9/14

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

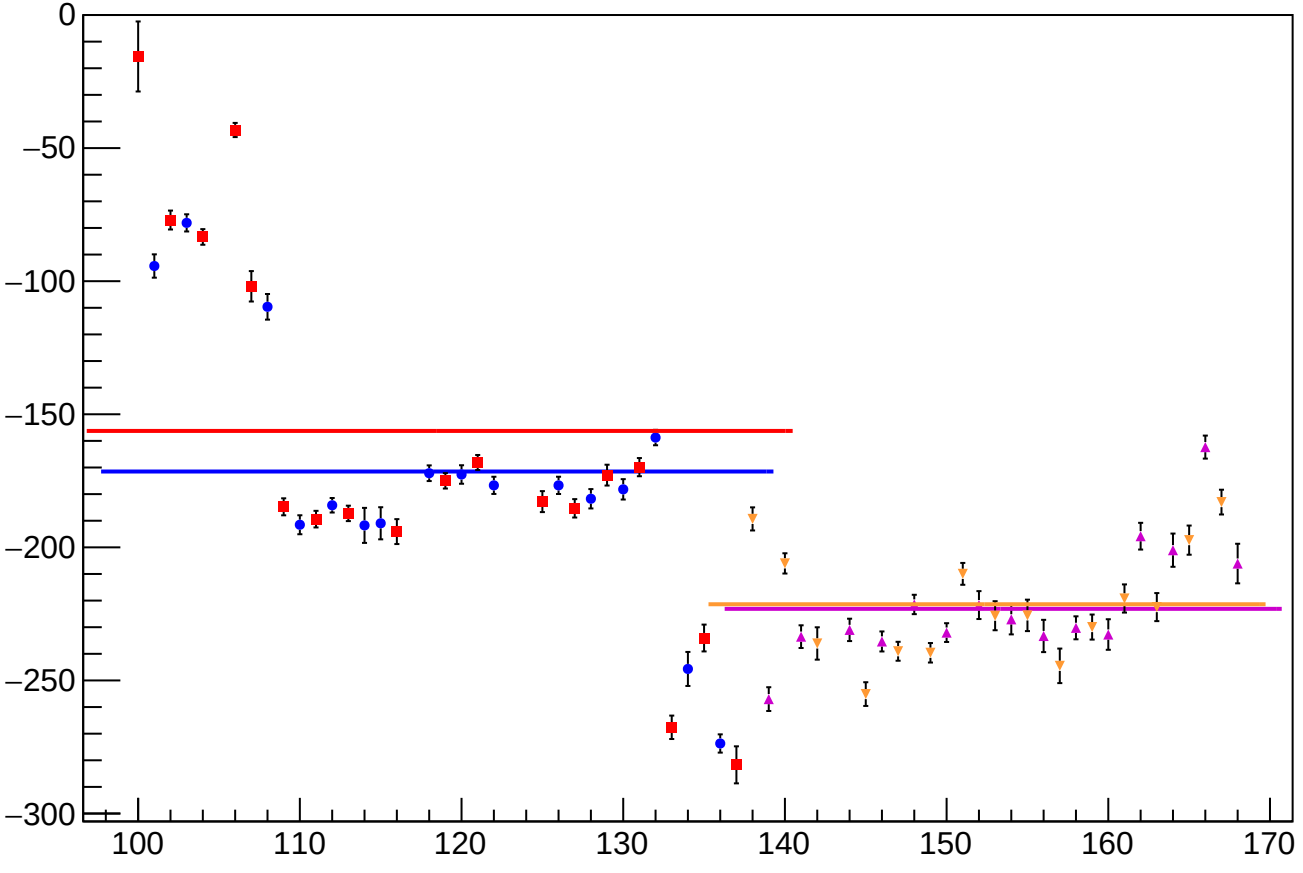
Left In: -5.126+/-0.831 χ^2/NDF:233.9/14

+ sign -3.279+/-0.574 χ^2/NDF: 316.5/30

All: -3.341+/-0.405 χ^2/NDF: 691.8/63

- sign -3.402+/-0.570 χ^2/NDF: 375.2/32

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -221.378+/-1.200 χ^2/NDF:295.9/14

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

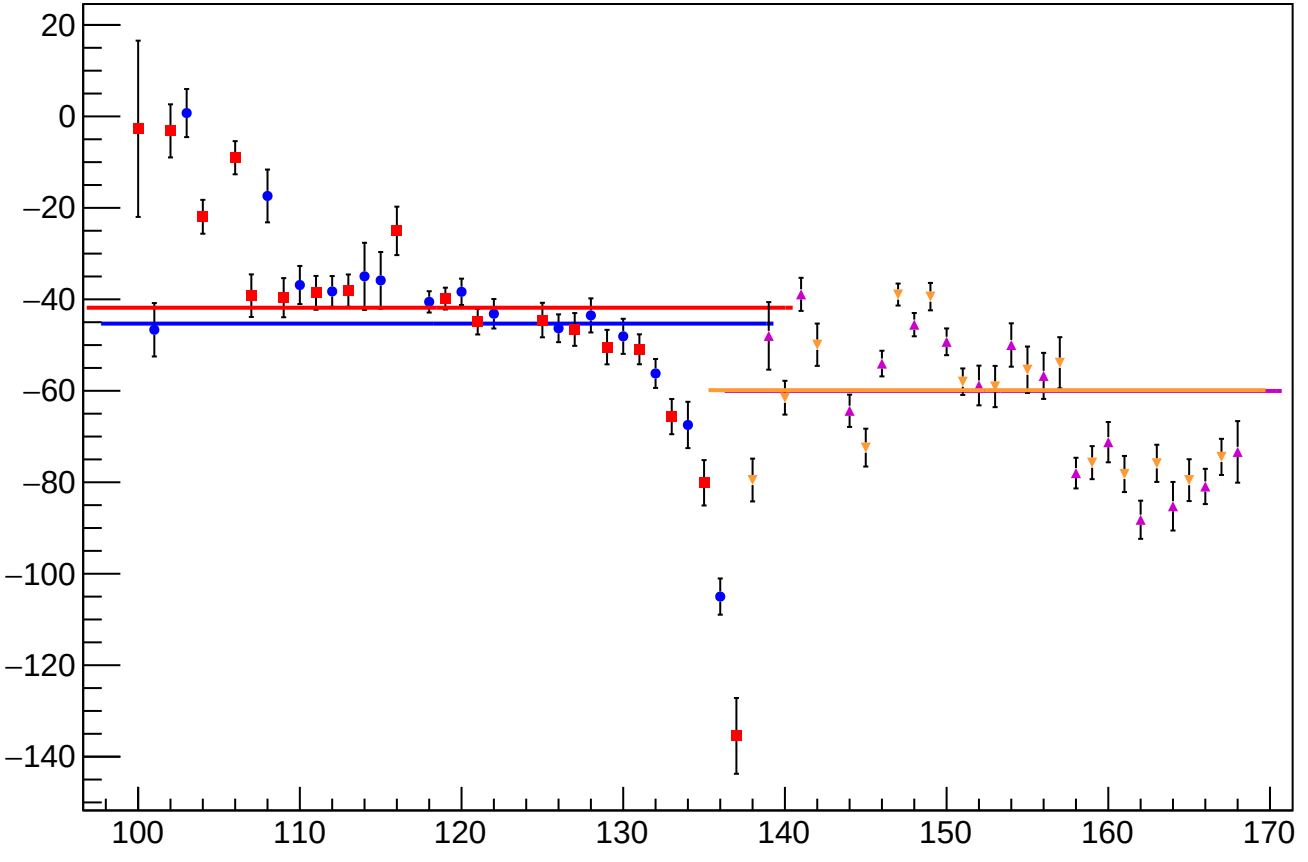
Left In: -223.105+/-1.192 χ^2/NDF:338.2/14

+ sign -189.638+/-0.723 χ^2/NDF: 3838.4/30

All: -183.918+/-0.500 χ^2/NDF: 11290.2/63

- sign -178.706+/-0.691 χ^2/NDF: 7332.3/32

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -59.862+/-0.971 χ^2/NDF:244.5/14

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

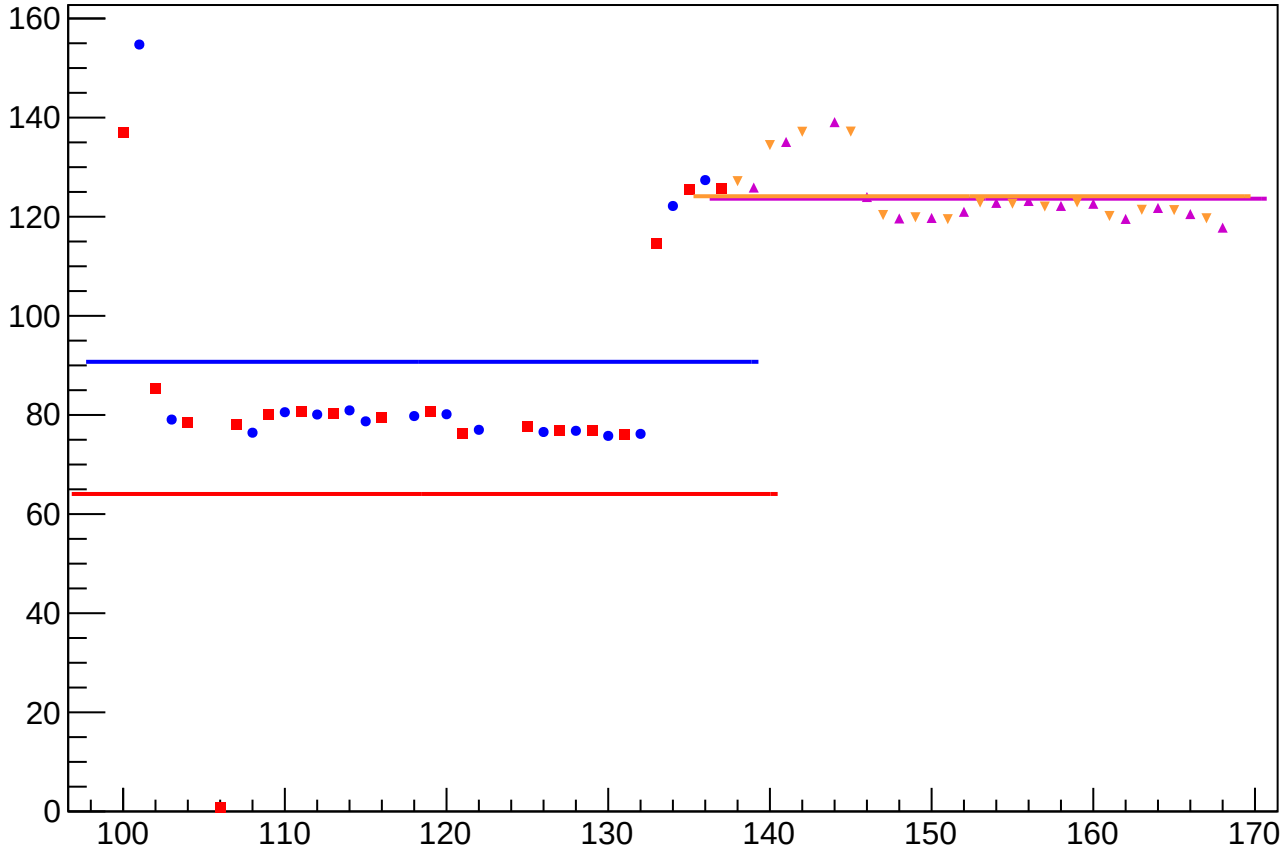
Left In: -60.036+/-0.984 χ^2/NDF:230.2/14

+ sign -52.327+/-0.675 χ^2/NDF: 742.9/30

All: -51.262+/-0.475 χ^2/NDF: 1576.9/63

- sign -50.218+/-0.668 χ^2/NDF: 829.1/32

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 124.133+/-0.046 χ^2/NDF:16096.2/14

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

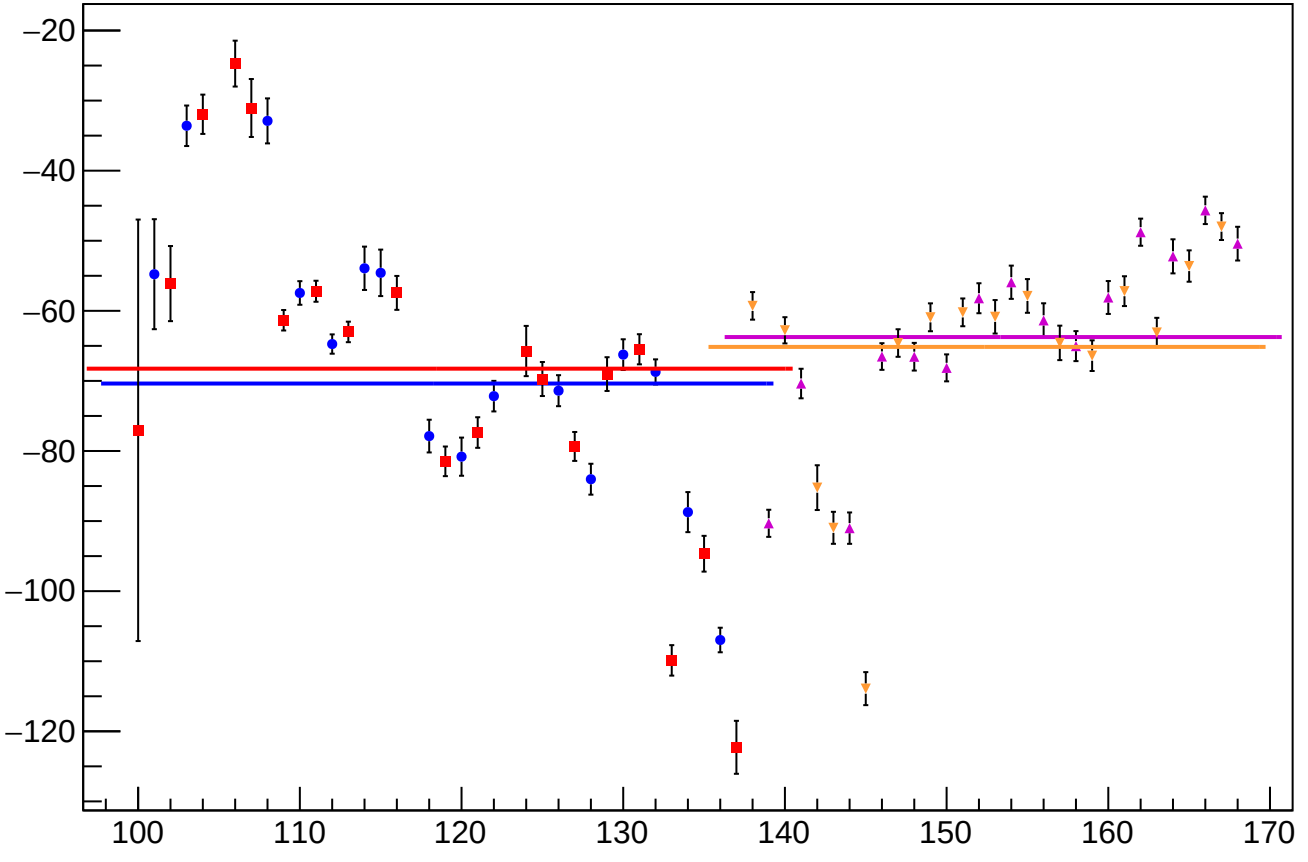
Left In: 123.639+/-0.046 χ^2/NDF:14431.2/14

+ sign 111.216+/-0.036 χ^2/NDF: 377385.5/30

All: 103.032+/-0.025 χ^2/NDF: 1931414.4/63

- sign 96.075+/-0.034 χ^2/NDF: 1460340.0/32

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -65.147+/-0.540 χ^2/NDF:751.6/15

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

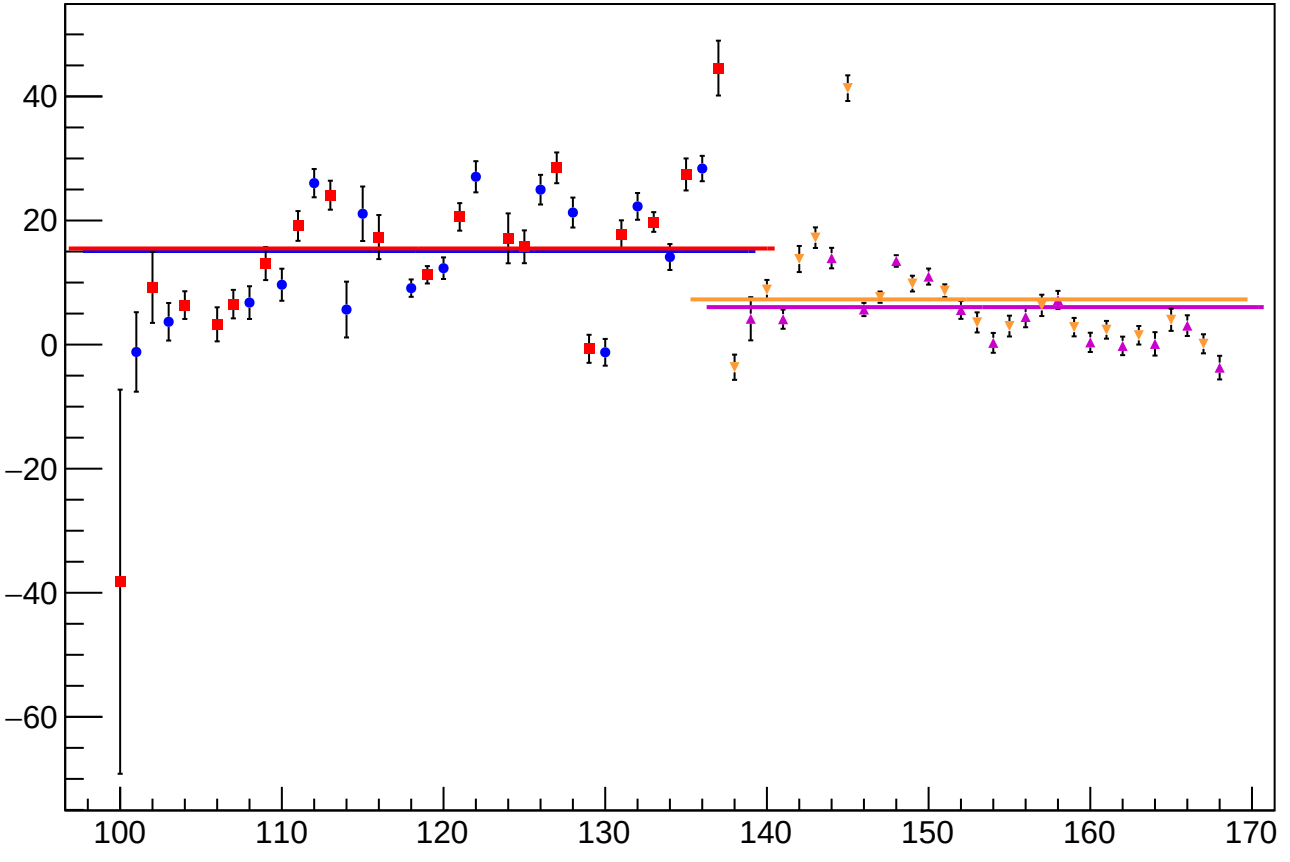
Left In: -63.741+/-0.548 χ^2/NDF:579.3/14

+ sign -67.678+/-0.388 χ^2/NDF: 1771.8/31

All: -66.865+/-0.271 χ^2/NDF: 3700.9/65

- sign -66.086+/-0.380 χ^2/NDF: 1920.5/33

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 7.289+/-0.366 χ^2/NDF:425.3/15

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

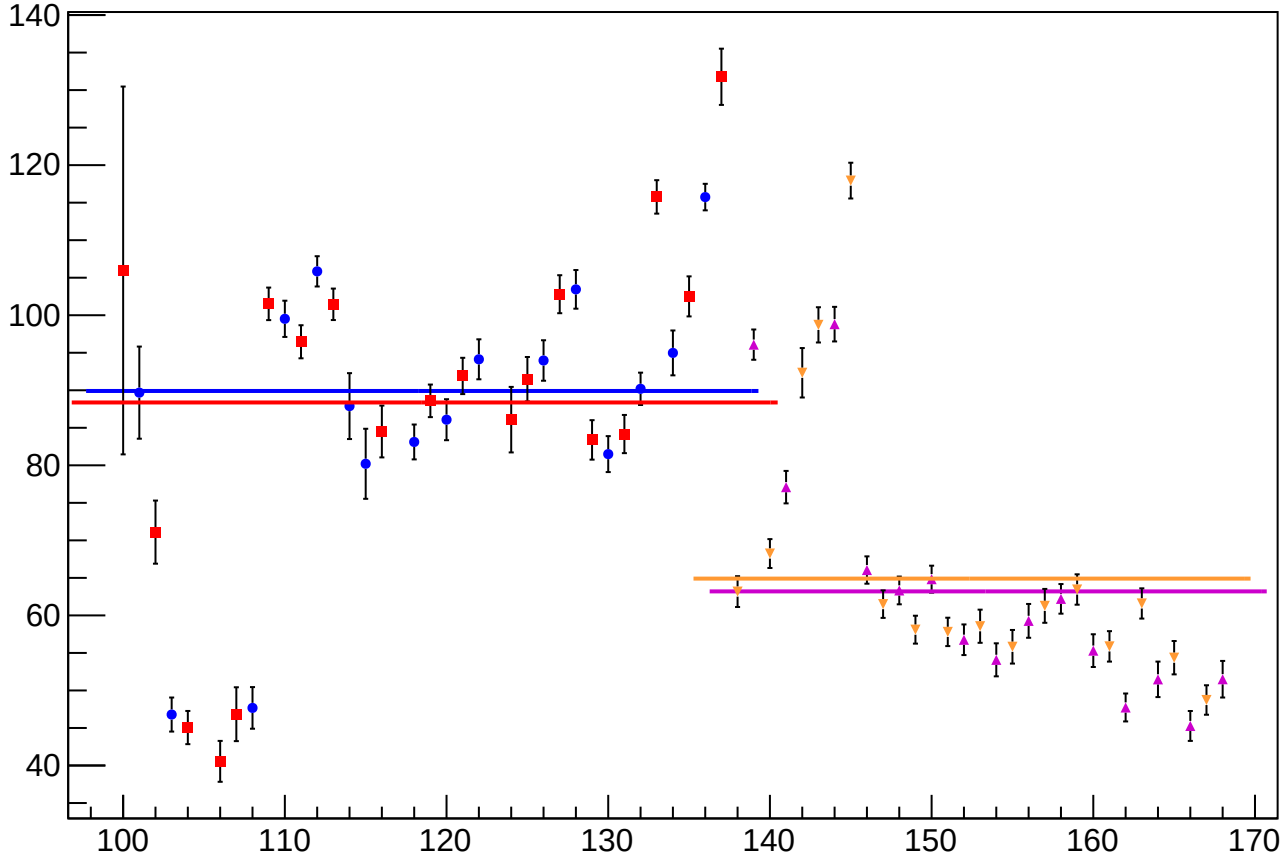
Left In: 6.042+/-0.379 χ^2/NDF:187.7/14

+ sign 9.508+/-0.310 χ^2/NDF: 796.9/31

All: 9.267+/-0.220 χ^2/NDF: 1421.3/65

- sign 9.020+/-0.313 χ^2/NDF: 623.3/33

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 64.905+/-0.526 χ^2/NDF:947.0/15

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

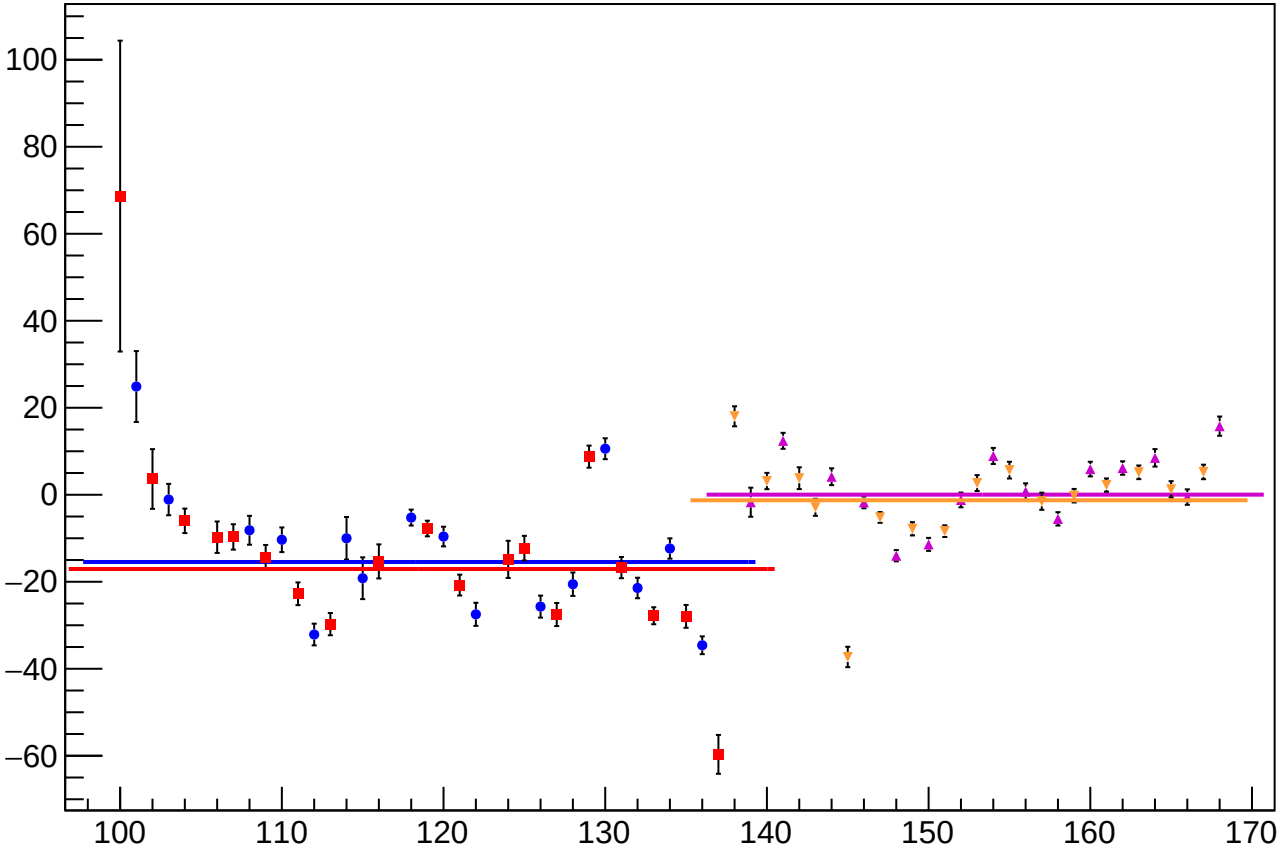
Left In: 63.200+/-0.531 χ^2/NDF:790.2/14

+ sign 74.965+/-0.406 χ^2/NDF: 2804.8/31

All: 74.427+/-0.286 χ^2/NDF: 5843.2/65

- sign 73.900+/-0.403 χ^2/NDF: 3035.0/33

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -1.269+/-0.429 χ^2/NDF:431.2/15

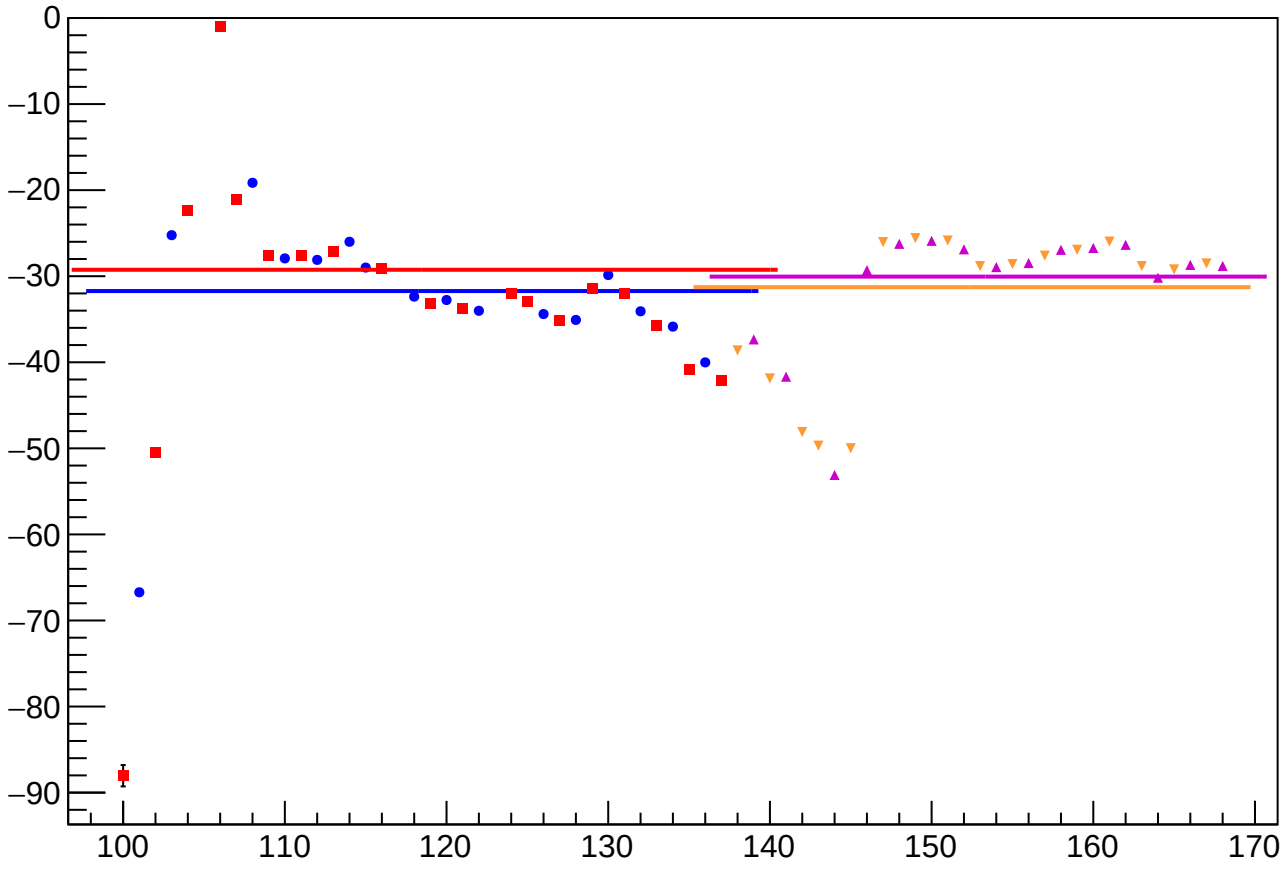
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 0.028+/-0.442 χ^2/NDF:361.0/14

+ sign -5.435+/-0.361 χ^2/NDF: 1138.6/31

All: -5.441+/-0.256 χ^2/NDF: 2340.0/65

- sign -5.448+/-0.364 χ^2/NDF: 1201.4/33



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -31.276+/-0.020 χ^2/NDF:146560.8/15

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

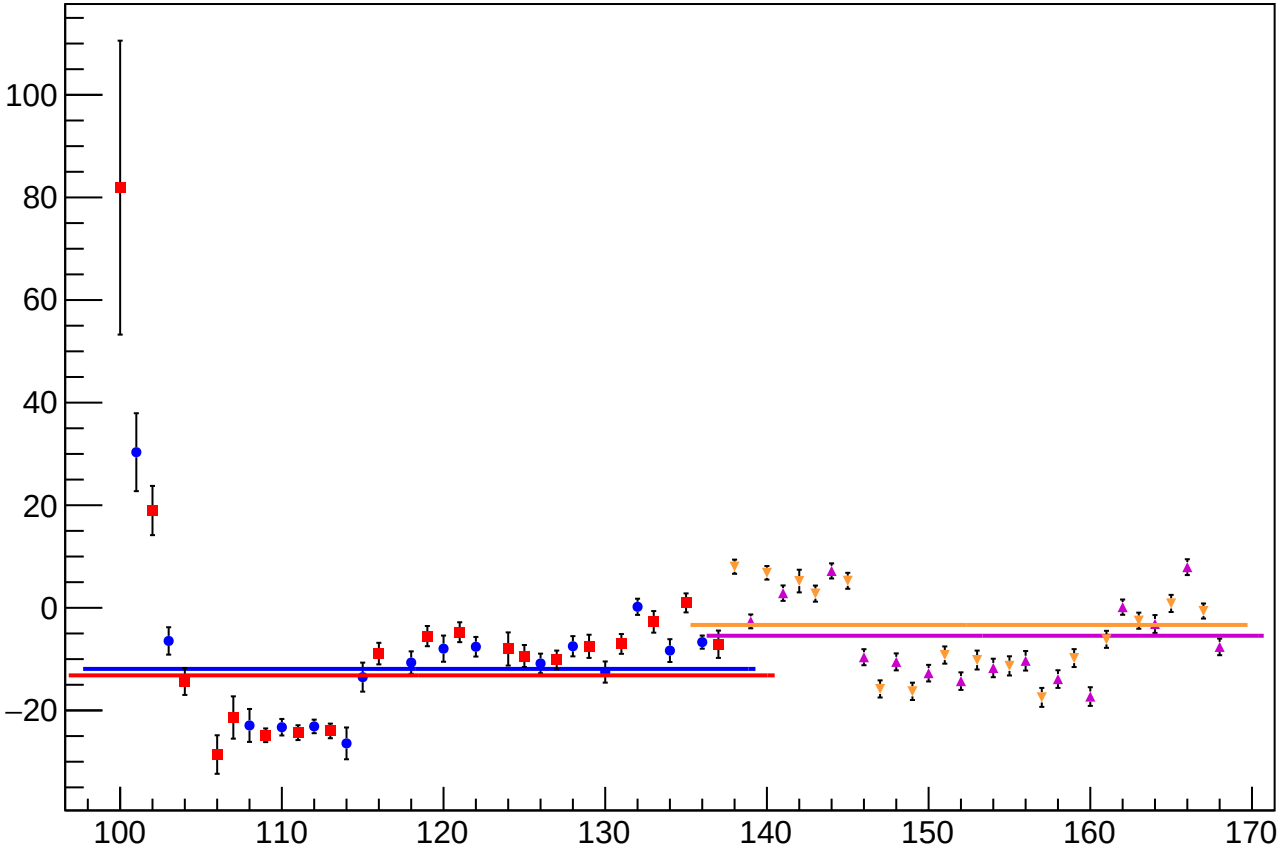
Left In: -30.047+/-0.020 χ^2/NDF:93273.1/14

+ sign -31.371+/-0.018 χ^2/NDF: 186304.3/31

All: -30.625+/-0.013 χ^2/NDF: 378711.0/65

- sign -29.878+/-0.018 χ^2/NDF: 188848.1/33

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -3.336+/-0.409 χ^2/NDF:430.8/15

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

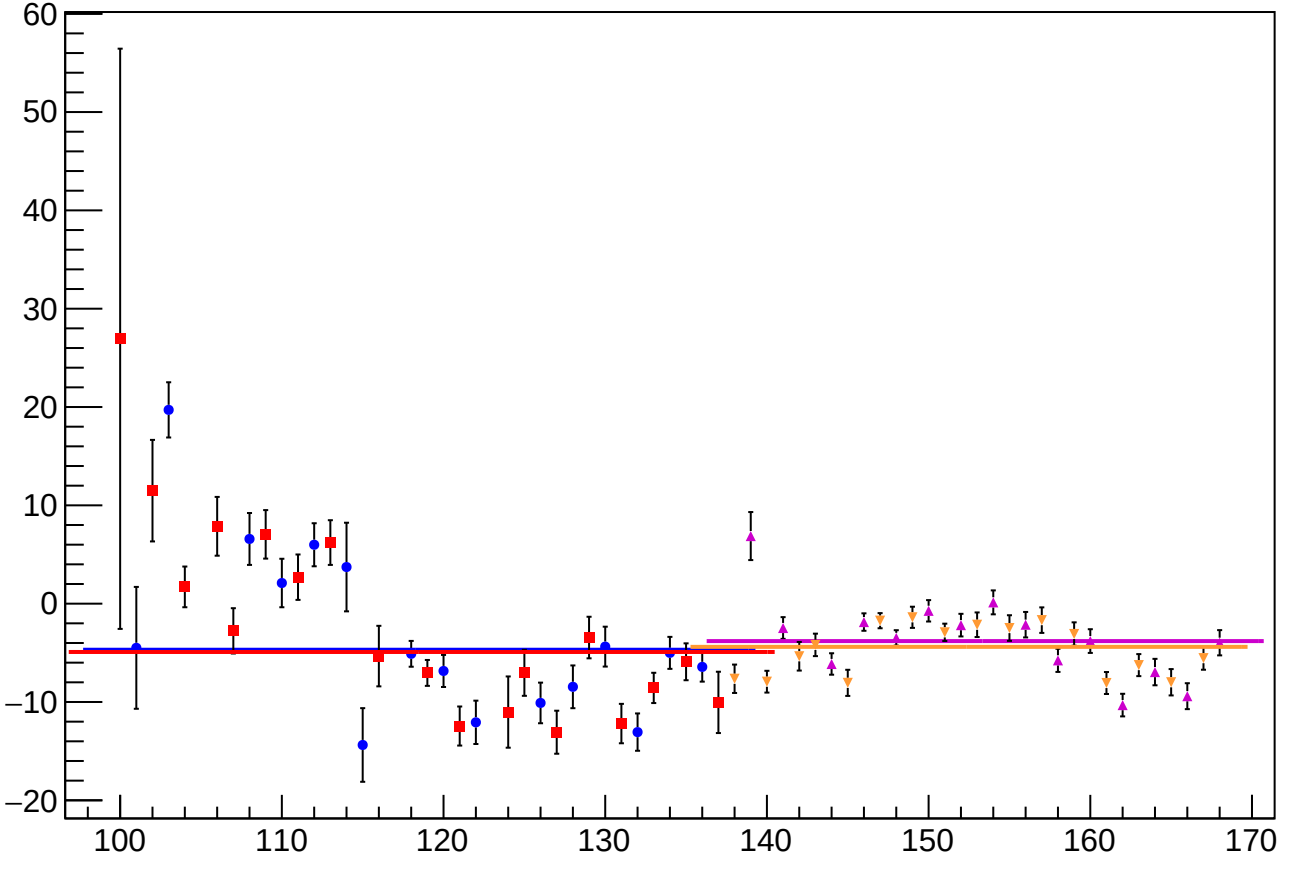
Left In: -5.443+/-0.417 χ^2/NDF:349.6/14

+ sign -6.801+/-0.316 χ^2/NDF: 890.2/31

All: -7.786+/-0.223 χ^2/NDF: 1828.3/65

- sign -8.765+/-0.315 χ^2/NDF: 918.7/33

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.393+/-0.285 χ^2/NDF:78.6/15

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

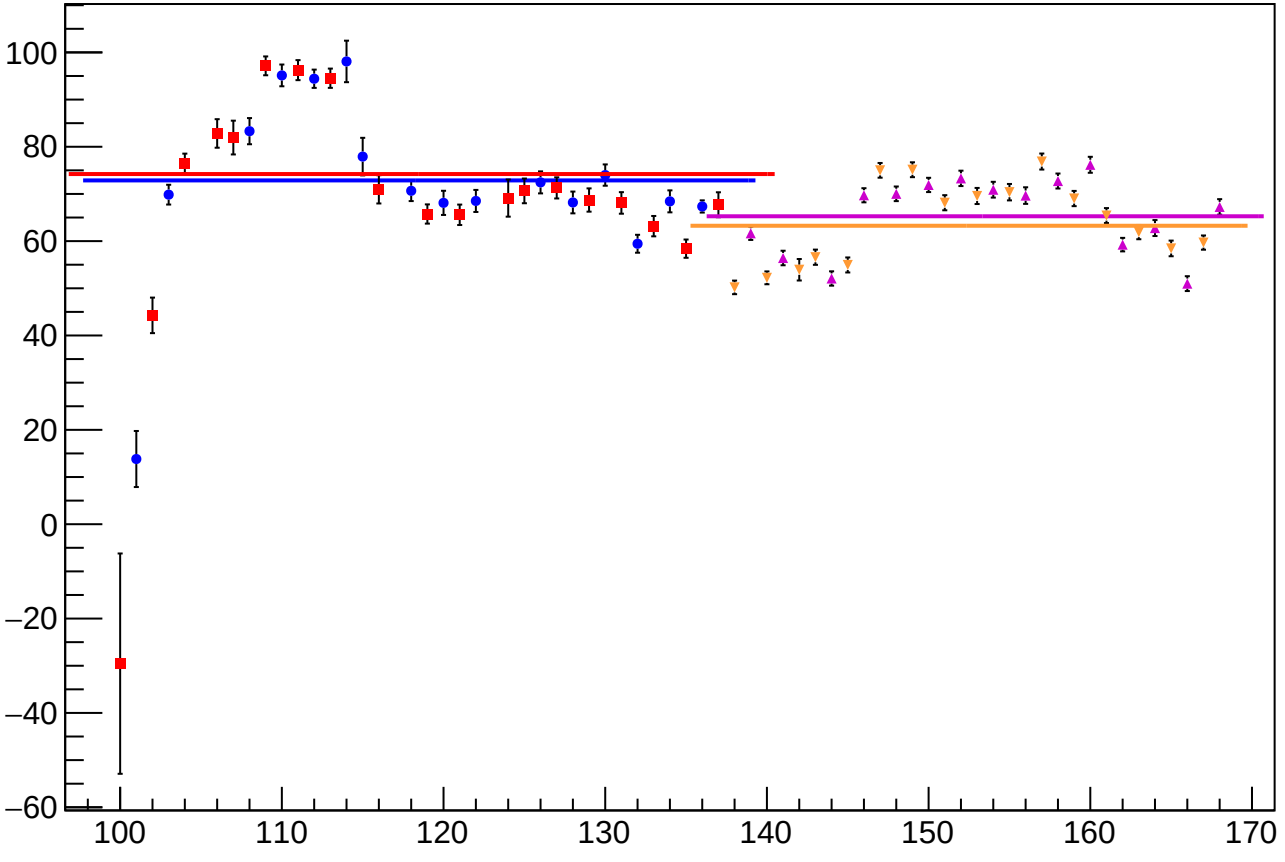
Left In: -3.807+/-0.295 χ^2/NDF:110.6/14

+ sign -4.461+/-0.249 χ^2/NDF: 257.9/31

All: -4.276+/-0.178 χ^2/NDF: 529.0/65

- sign -4.082+/-0.256 χ^2/NDF: 270.0/33

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 63.257+/-0.400 χ^2/NDF:455.8/15

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

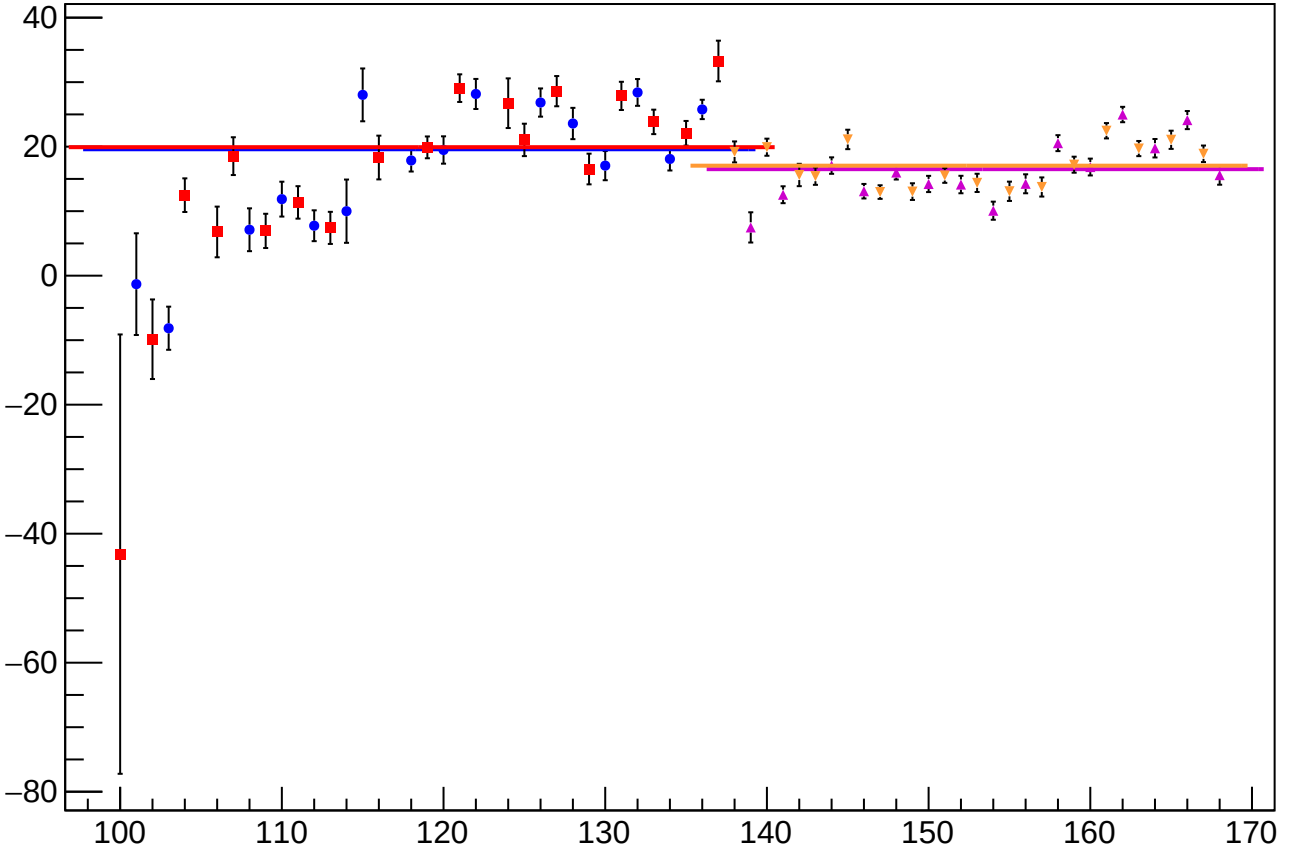
Left In: 65.267+/-0.406 χ^2/NDF:361.6/14

+ sign 66.466+/-0.327 χ^2/NDF: 1098.9/31

All: 67.393+/-0.232 χ^2/NDF: 2229.5/65

- sign 68.332+/-0.329 χ^2/NDF: 1114.4/33

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 17.051+/-0.331 χ^2/NDF:93.7/15

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

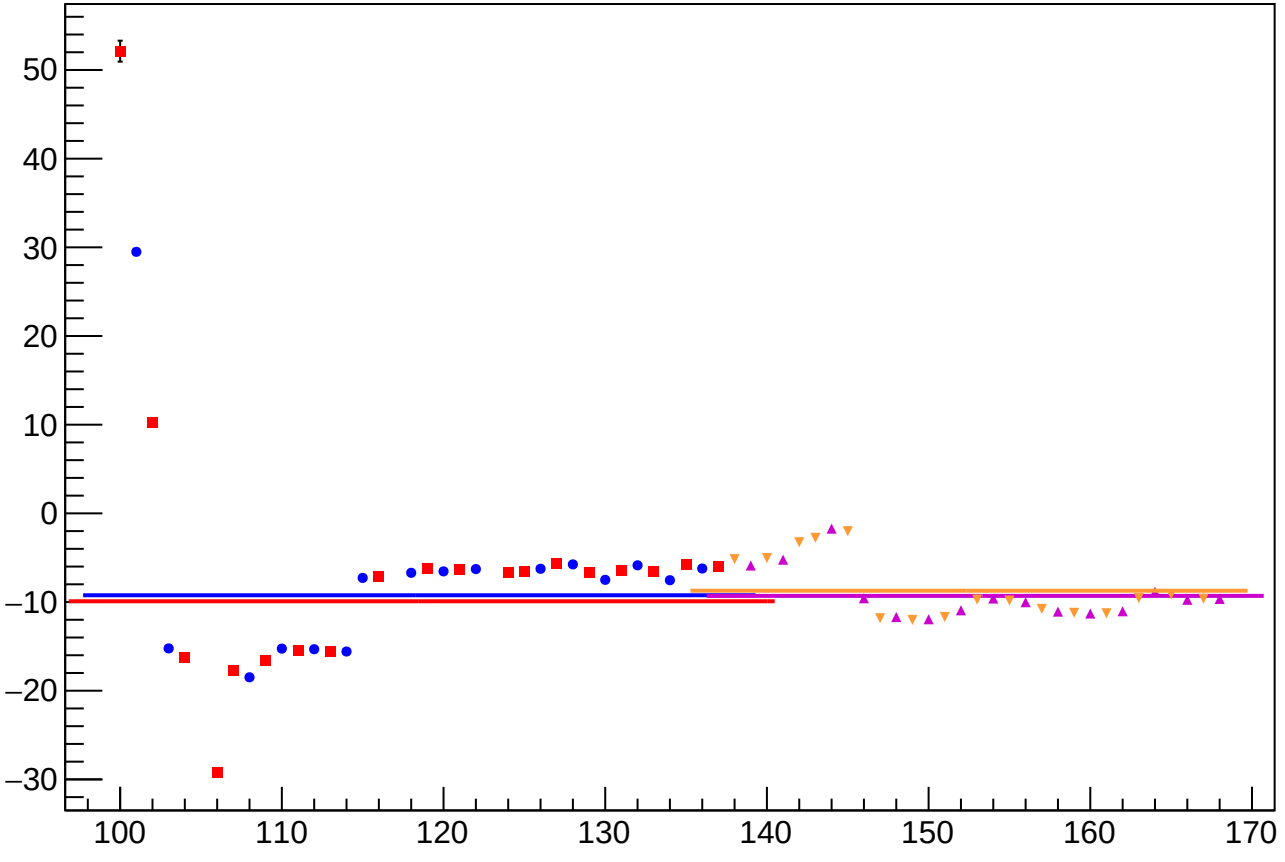
Left In: 16.512+/-0.342 χ^2/NDF:159.6/14

+ sign 17.669+/-0.288 χ^2/NDF: 304.1/31

All: 17.527+/-0.206 χ^2/NDF: 670.7/65

- sign 17.379+/-0.295 χ^2/NDF: 366.2/33

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -8.721+/-0.015 χ^2/NDF:43910.7/15

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

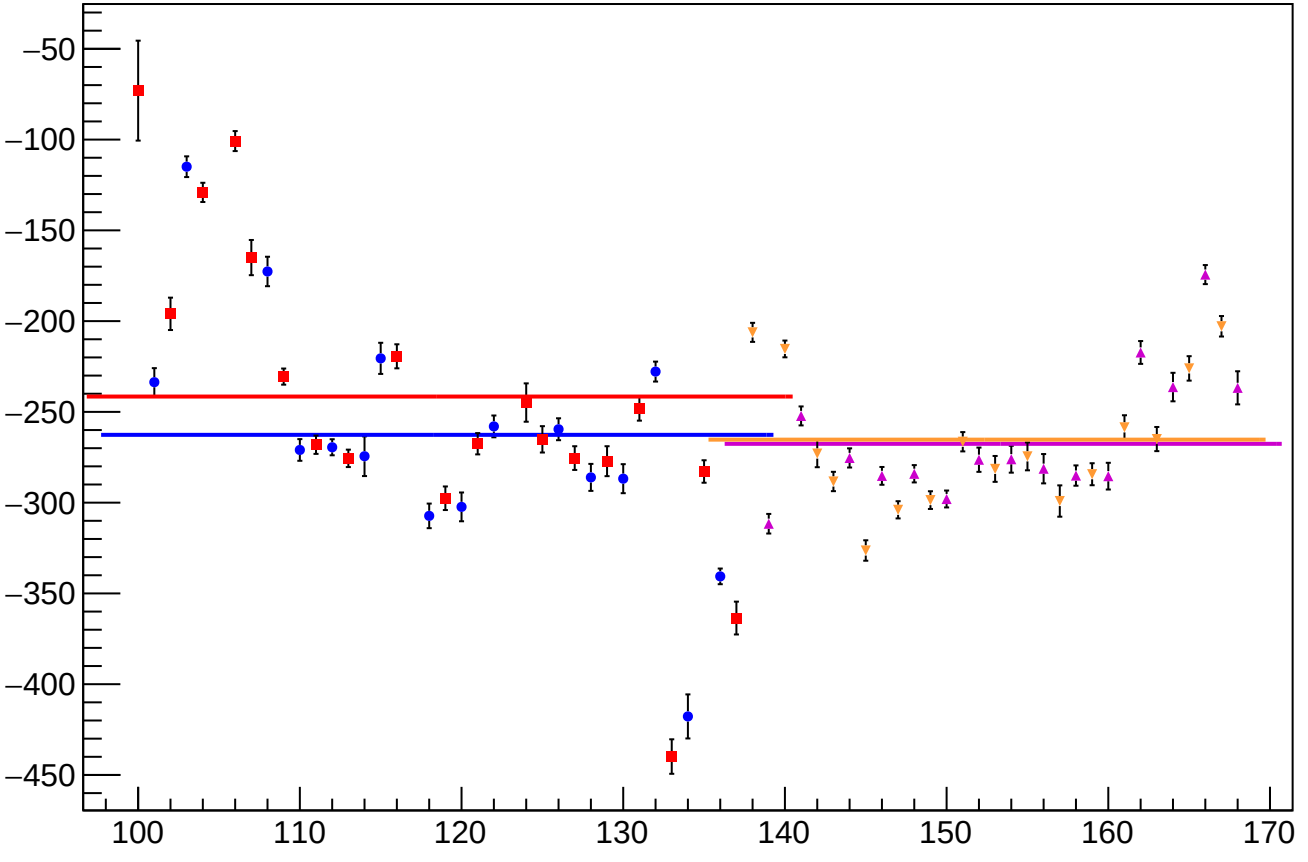
Left In: -9.305+/-0.015 χ^2/NDF:28971.2/14

+ sign -8.811+/-0.014 χ^2/NDF: 75272.1/31

All: -9.105+/-0.010 χ^2/NDF: 159286.4/65

- sign -9.405+/-0.014 χ^2/NDF: 83094.8/33

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -265.288+/-1.466 χ^2/NDF:684.0/15

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

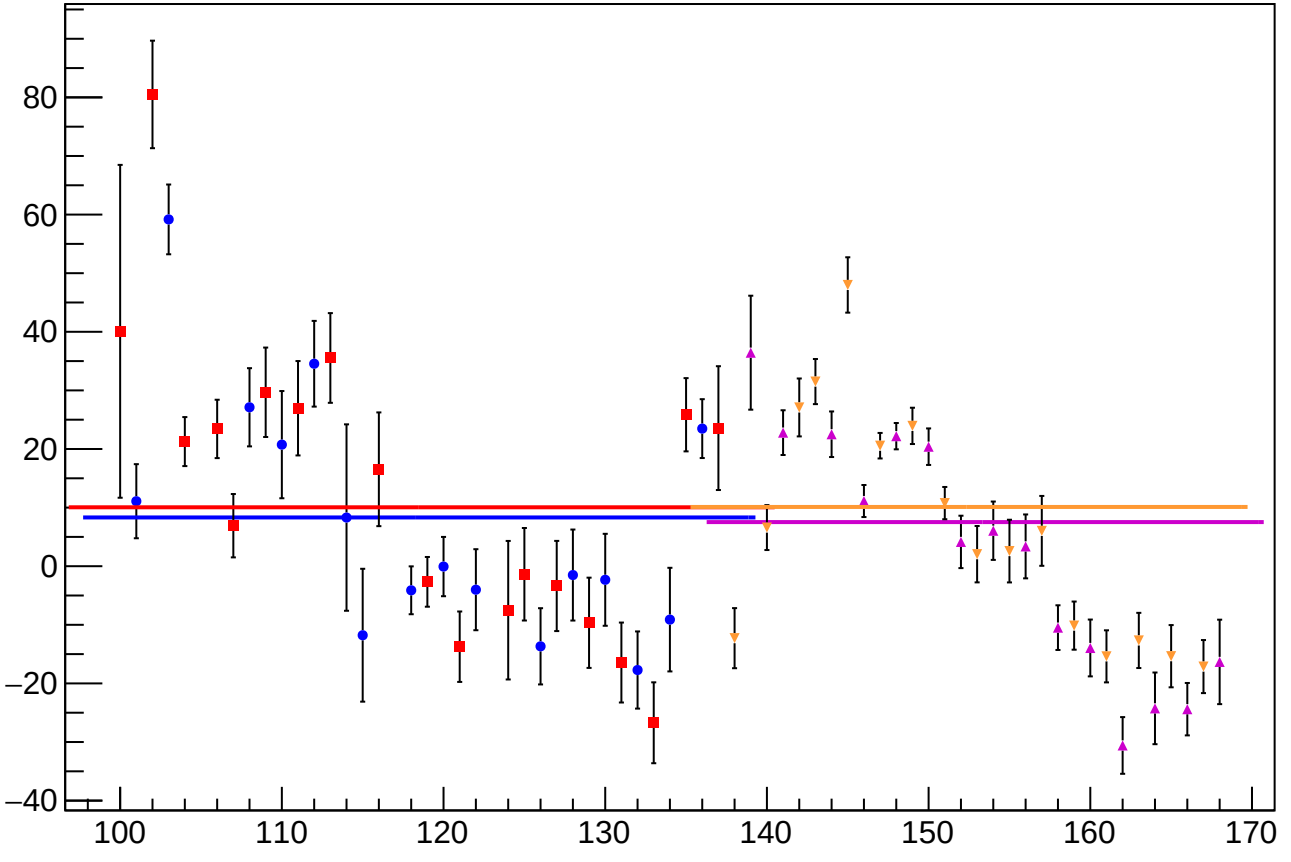
Left In: -267.596+/-1.517 χ^2/NDF:572.9/14

+ sign -264.093+/-1.085 χ^2/NDF: 2139.7/31

All: -259.214+/-0.761 χ^2/NDF: 5039.6/65

- sign -254.480+/-1.069 χ^2/NDF: 2860.0/33

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 10.111+/-0.975 χ^2/NDF:315.0/15

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

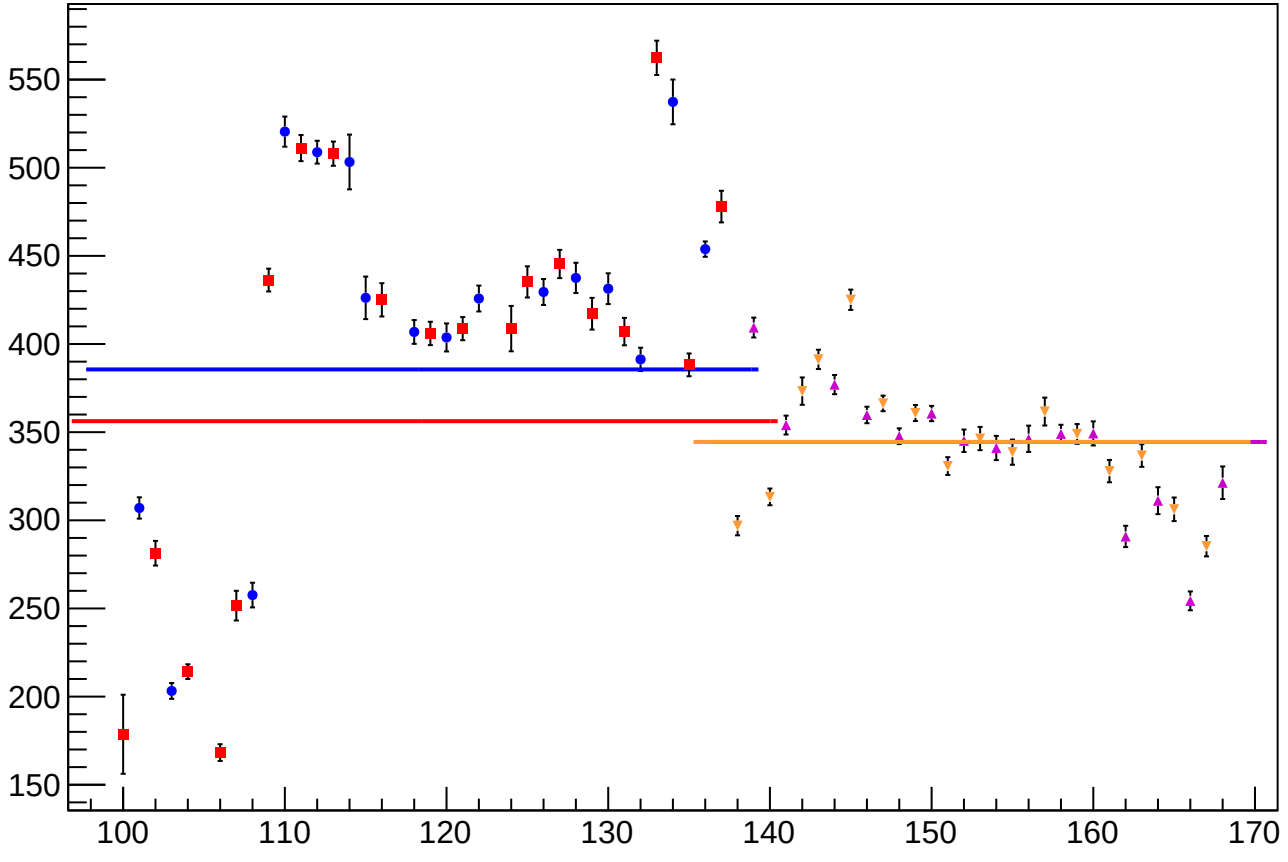
Left In: 7.528+/-1.024 χ^2/NDF:295.3/14

+ sign 9.645+/-0.839 χ^2/NDF: 473.6/31

All: 8.984+/-0.598 χ^2/NDF: 959.4/65

- sign 8.302+/-0.852 χ^2/NDF: 484.6/33

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 344.462+/-1.431 χ^2/NDF:597.8/15

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

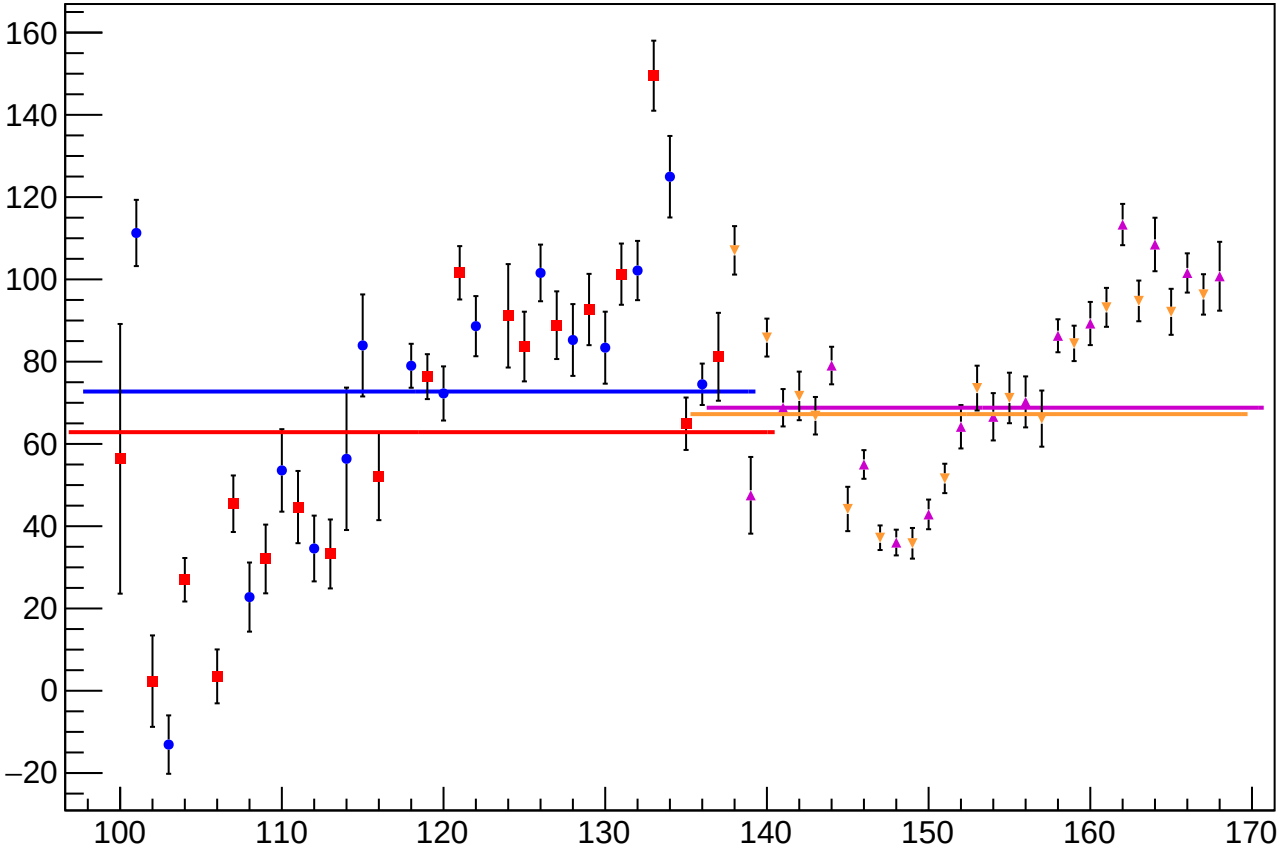
Left In: 344.437+/-1.470 χ^2/NDF:586.0/14

+ sign 361.033+/-1.106 χ^2/NDF: 4303.6/31

All: 355.306+/-0.779 χ^2/NDF: 10241.6/65

- sign 349.675+/-1.097 χ^2/NDF: 5884.9/33

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 67.245+/-1.159 χ^2/NDF:405.6/15

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

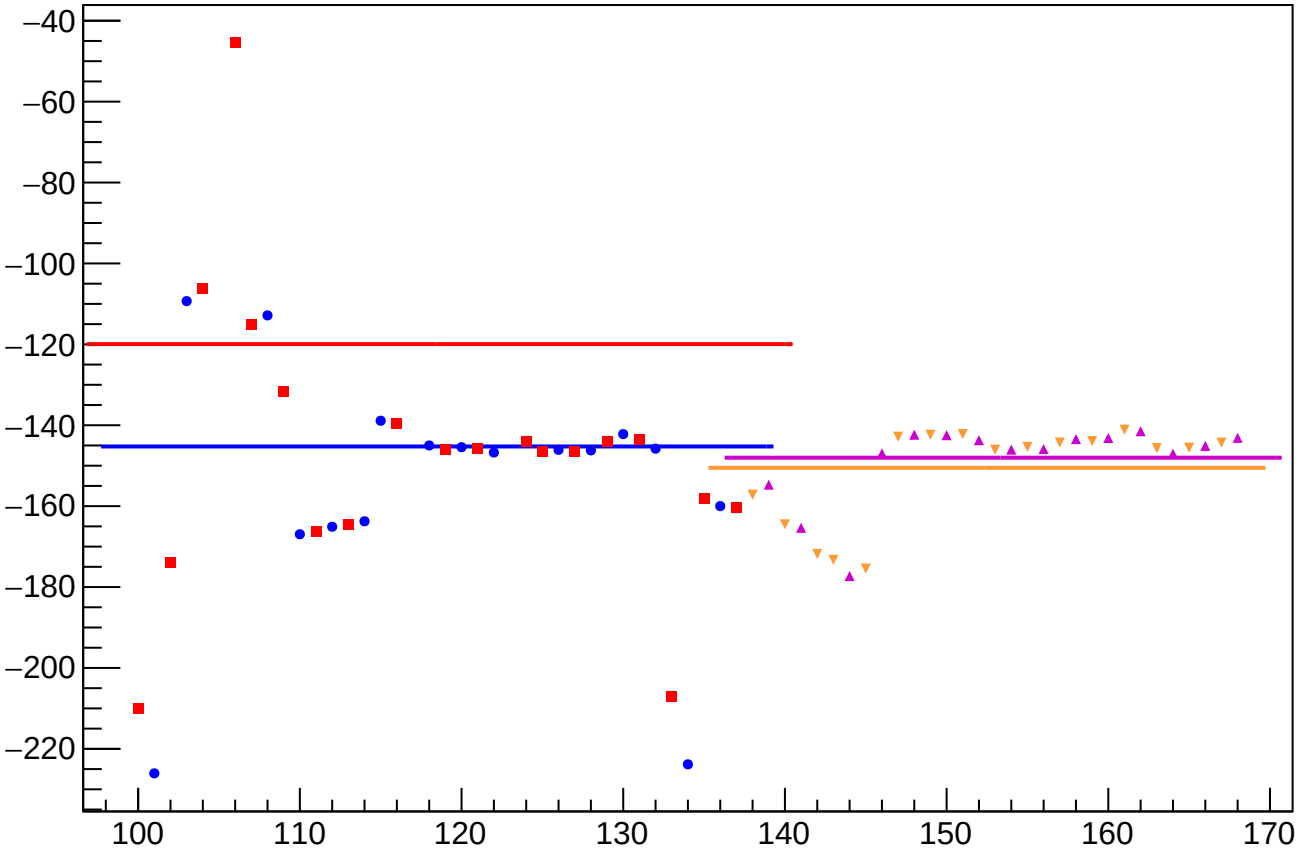
Left In: 68.805+/-1.211 χ^2/NDF:400.4/14

+ sign 68.739+/-0.989 χ^2/NDF: 716.0/31

All: 67.856+/-0.705 χ^2/NDF: 1529.1/65

- sign 66.946+/-1.004 χ^2/NDF: 811.5/33

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -150.517+/-0.056 χ^2/NDF:42747.5/15

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

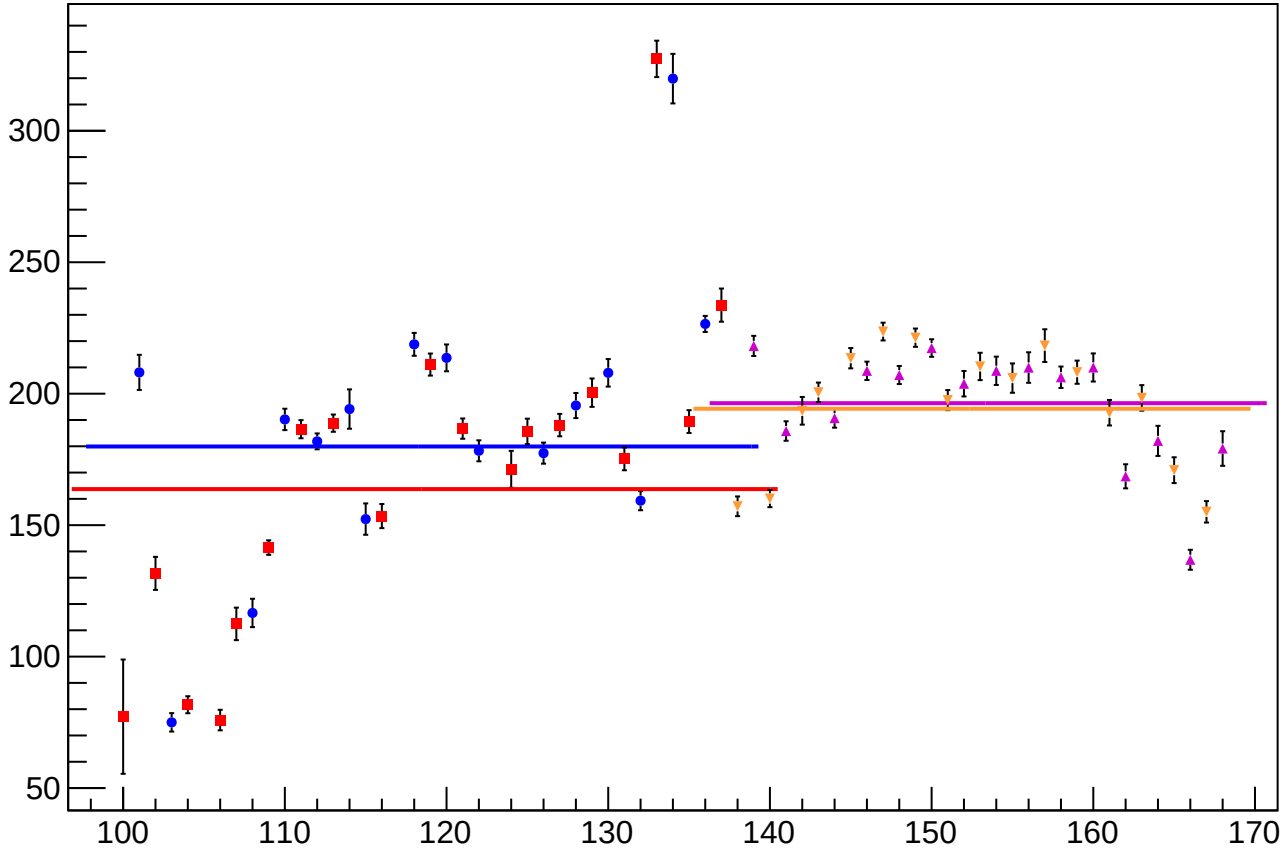
Left In: -148.022+/-0.056 χ^2/NDF:26644.4/14

+ sign -149.243+/-0.048 χ^2/NDF: 176983.5/31

All: -144.544+/-0.034 χ^2/NDF: 563676.5/65

- sign -139.994+/-0.048 χ^2/NDF: 368098.7/33

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 194.280+/-1.048 χ^2/NDF:525.4/15

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

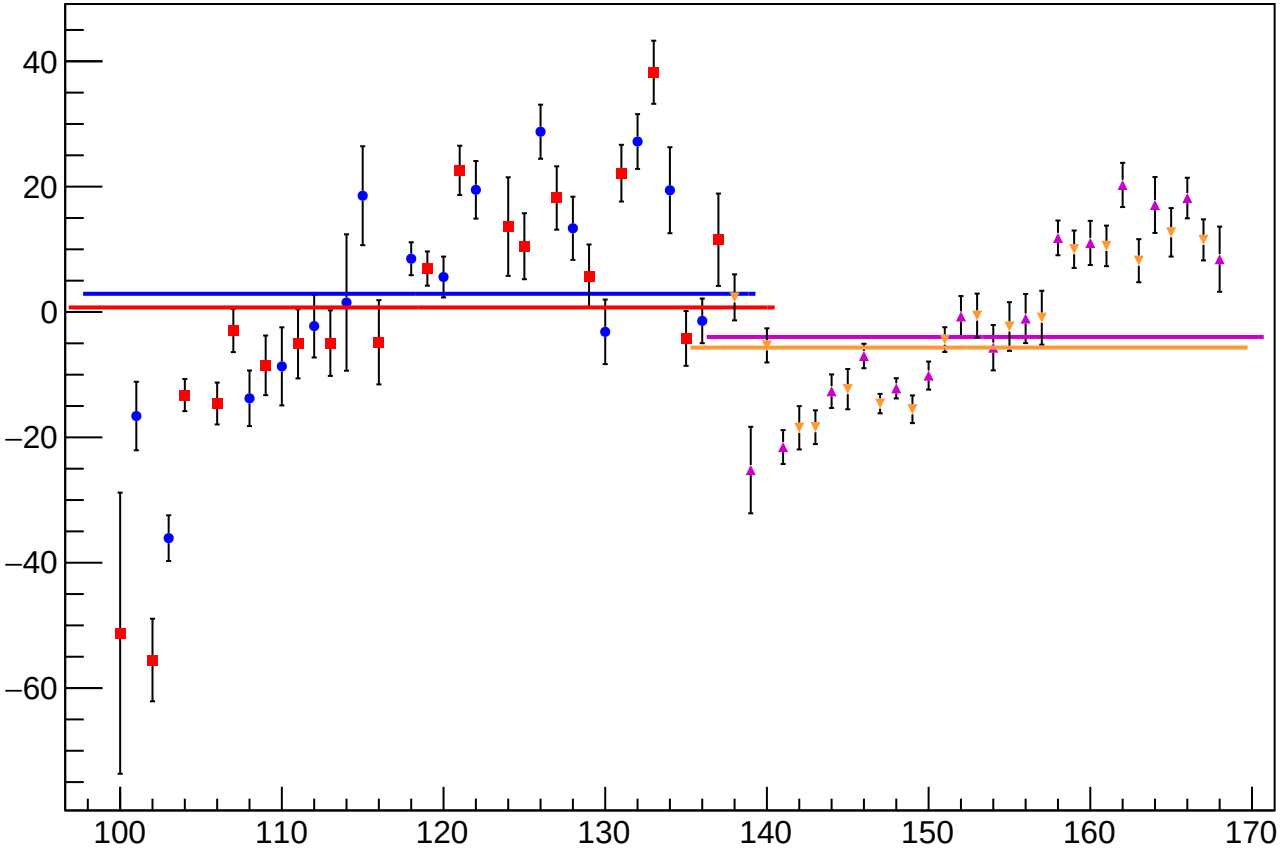
Left In: 196.395+/-1.087 χ^2/NDF:426.0/14

+ sign 187.375+/-0.755 χ^2/NDF: 2348.4/31

All: 182.933+/-0.527 χ^2/NDF: 5747.9/65

- sign 178.707+/-0.736 χ^2/NDF: 3331.9/33

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -5.679+/-0.697 χ^2/NDF:221.7/15

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

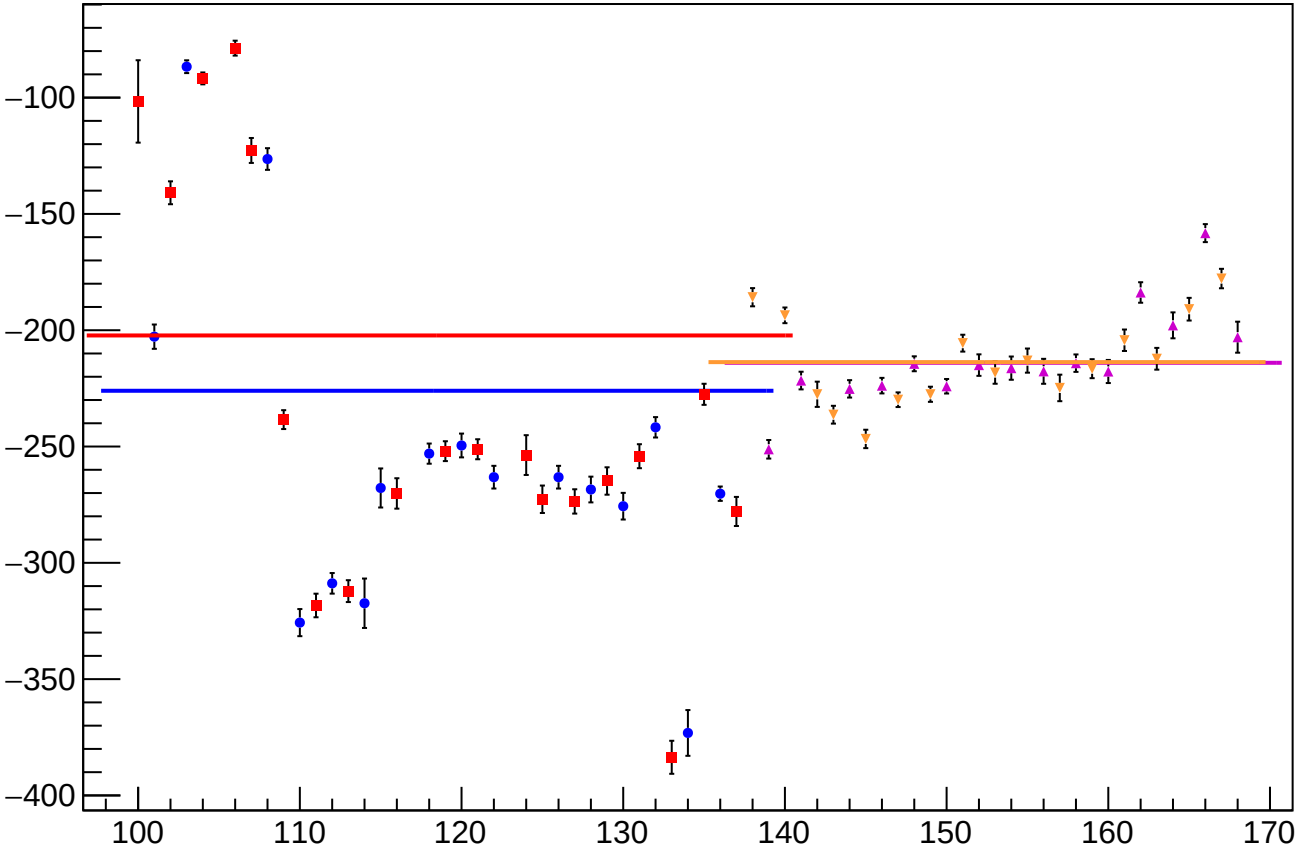
Left In: -3.980+/-0.735 χ^2/NDF:272.5/14

+ sign -3.234+/-0.590 χ^2/NDF: 512.4/31

All: -2.798+/-0.419 χ^2/NDF: 1073.7/65

- sign -2.355+/-0.594 χ^2/NDF: 560.3/33

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -213.714+/-1.024 χ^2/NDF:352.0/15

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

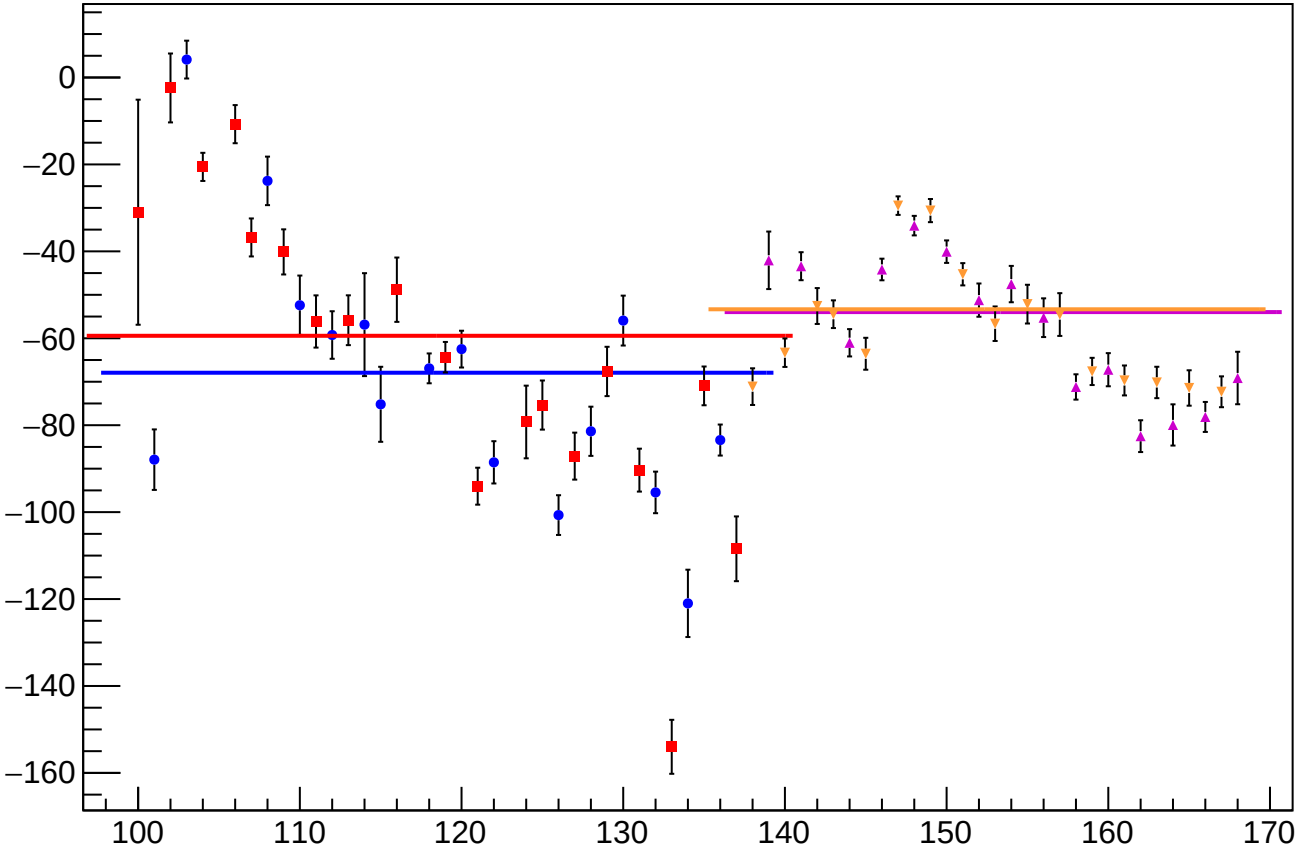
Left In: -214.003+/-1.055 χ^2/NDF:385.6/14

+ sign -219.029+/-0.772 χ^2/NDF: 4953.5/31

All: -213.561+/-0.540 χ^2/NDF: 12188.6/65

- sign -208.303+/-0.757 χ^2/NDF: 7136.7/33

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -53.330+/-0.830 χ^2/NDF:357.4/15

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

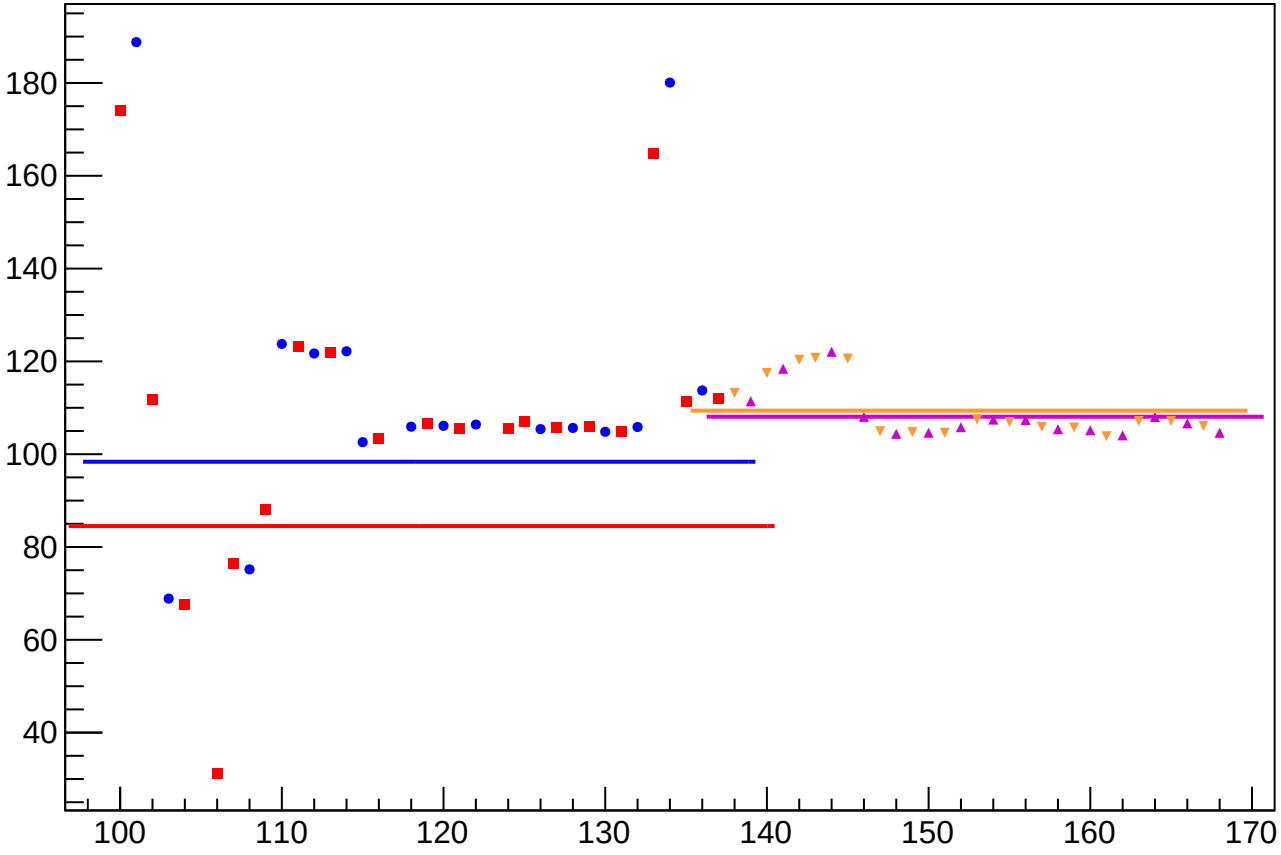
Left In: -53.974+/-0.870 χ^2/NDF:337.9/14

+ sign -57.659+/-0.696 χ^2/NDF: 983.2/31

All: -56.778+/-0.494 χ^2/NDF: 2132.9/65

- sign -55.885+/-0.701 χ^2/NDF: 1146.5/33

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 109.390+/-0.040 χ^2/NDF:22653.8/15

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

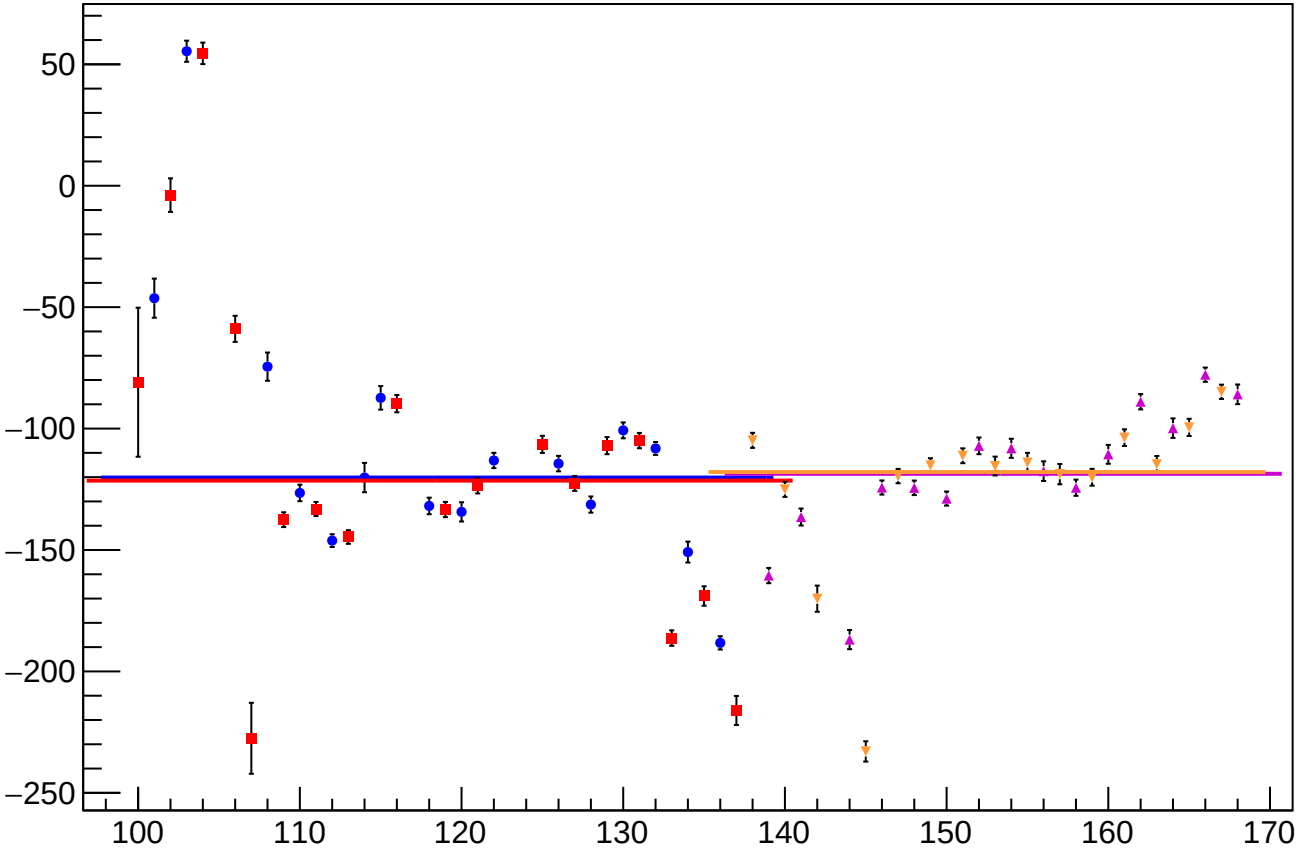
Left In: 108.078+/-0.040 χ^2/NDF:15319.9/14

+ sign 106.456+/-0.034 χ^2/NDF: 271474.1/31

All: 103.601+/-0.024 χ^2/NDF: 674096.2/65

- sign 100.819+/-0.034 χ^2/NDF: 388771.9/33

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -117.874+/-0.888 χ^2/NDF:1050.2/14

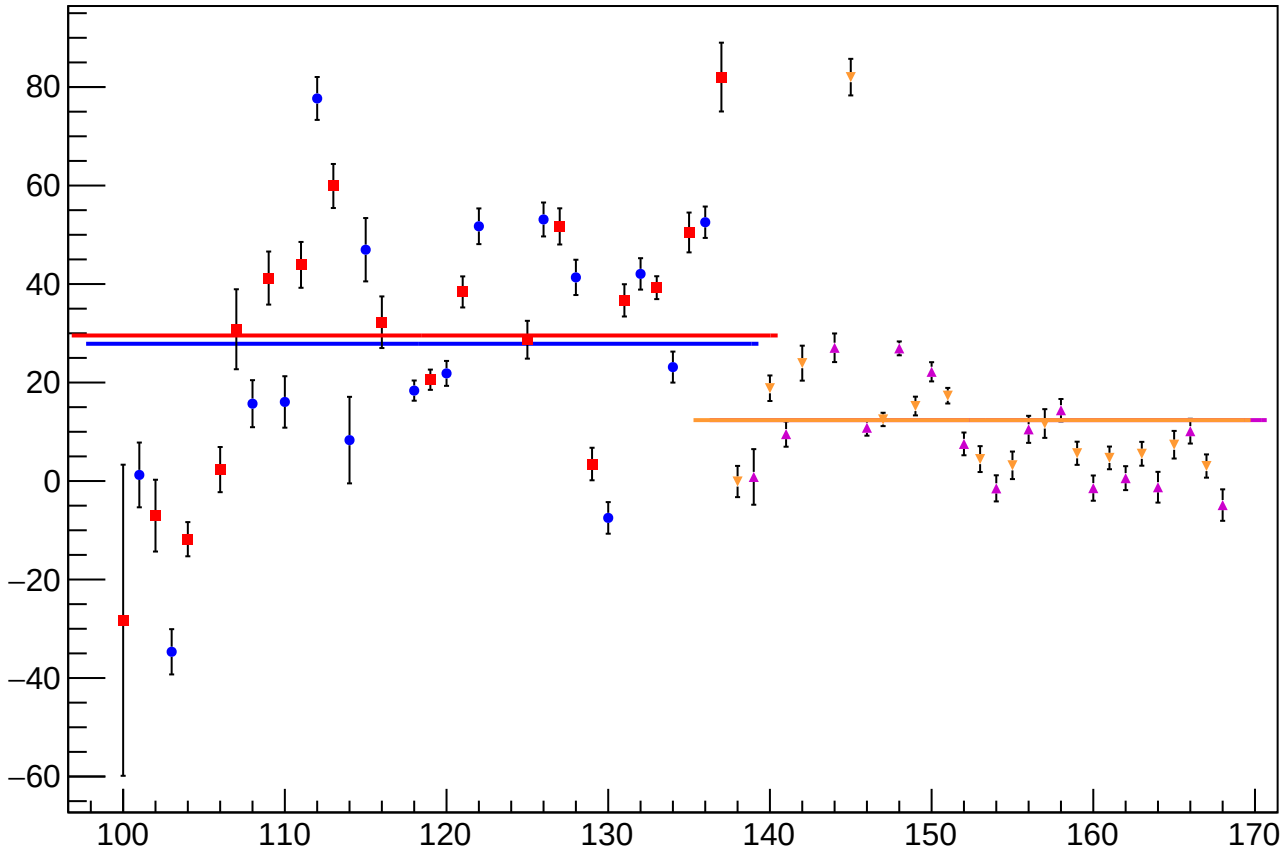
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -118.619+/-0.877 χ^2/NDF:914.9/14

+ sign -119.022+/-0.629 χ^2/NDF: 3744.7/30

All: -119.529+/-0.441 χ^2/NDF: 7792.3/63

- sign -120.021+/-0.619 χ^2/NDF: 4046.3/32



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 12.366+/-0.592 χ^2/NDF:461.9/14

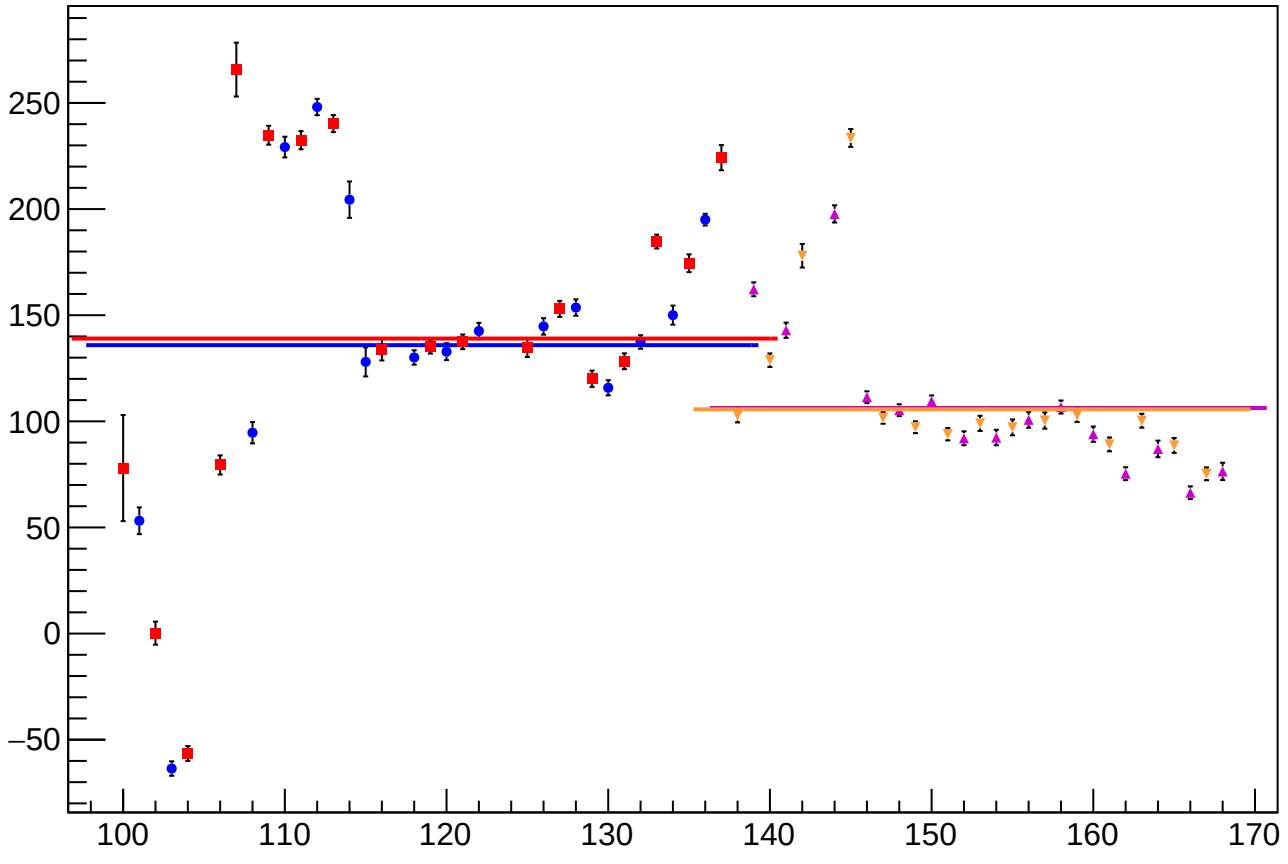
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.371+/-0.599 χ^2/NDF:298.4/14

+ sign 17.134+/-0.493 χ^2/NDF: 1372.6/30

All: 17.430+/-0.350 χ^2/NDF: 2425.8/63

- sign 17.732+/-0.497 χ^2/NDF: 1052.5/32



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 105.646+/-0.860 χ^2/NDF:1332.0/14

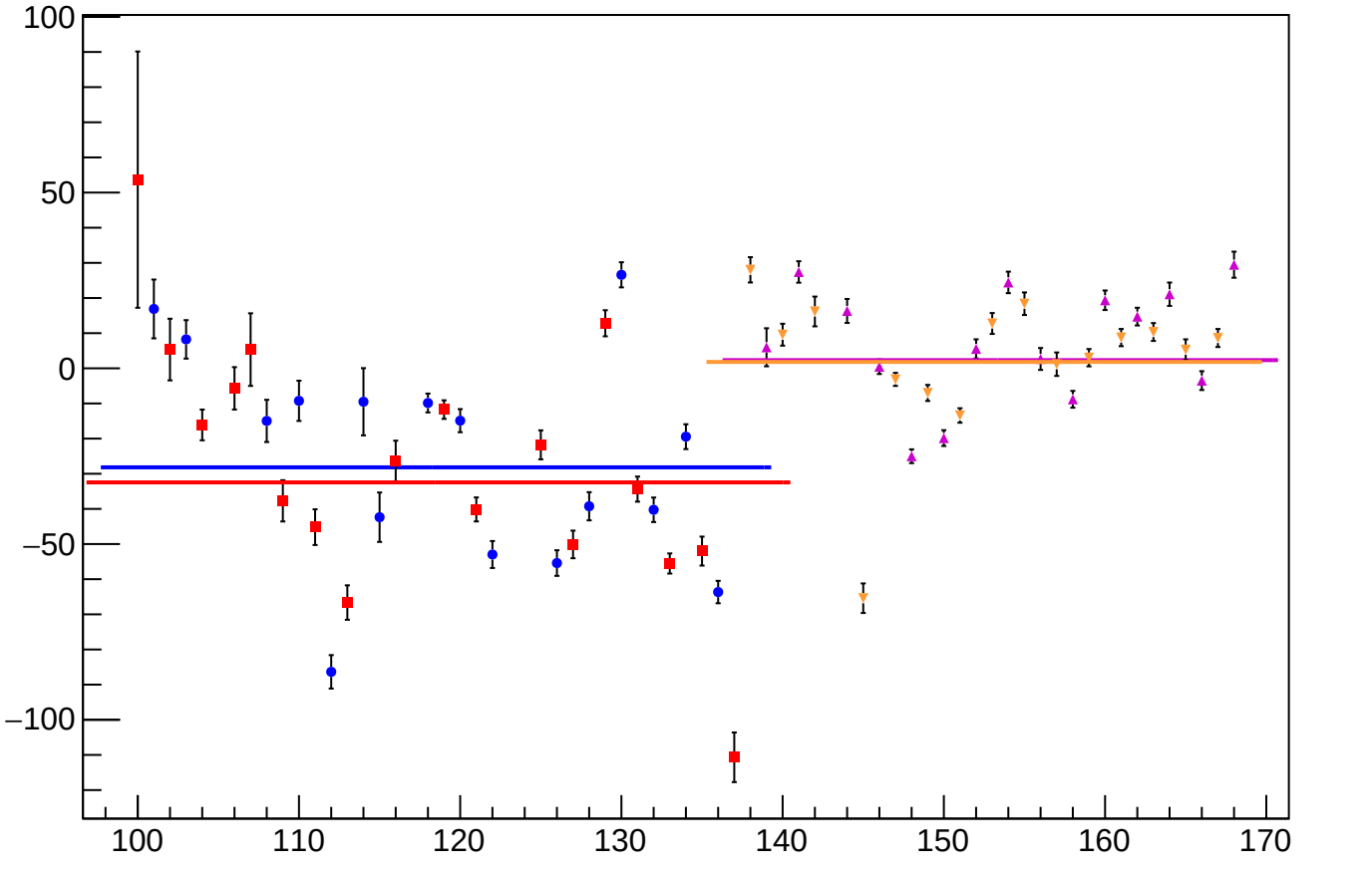
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 106.291+/-0.848 χ^2/NDF:1310.2/14

+ sign 118.525+/-0.652 χ^2/NDF: 7322.0/30

All: 119.267+/-0.459 χ^2/NDF: 15414.2/63

- sign 119.996+/-0.646 χ^2/NDF: 8089.6/32



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 1.813+/-0.697 χ^2/NDF:471.3/14

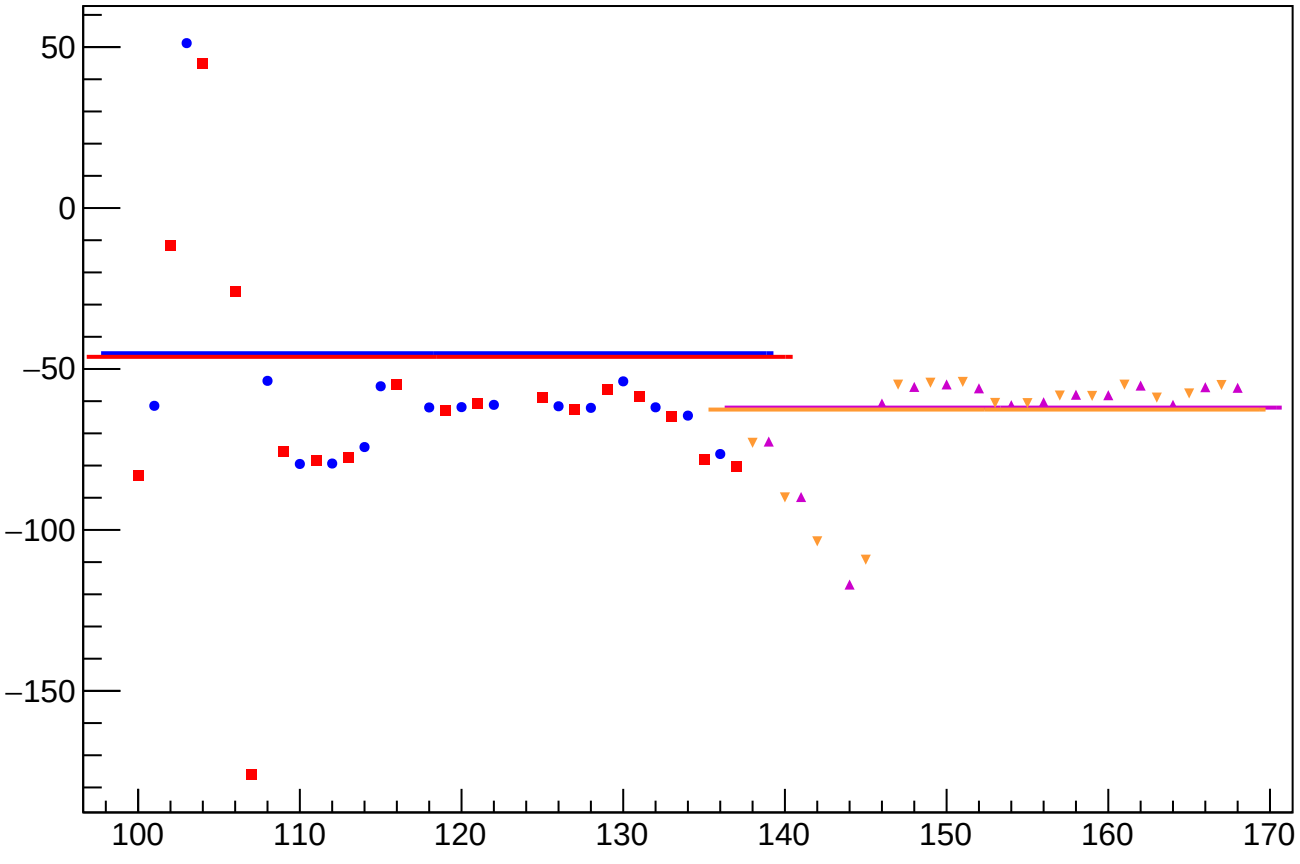
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 2.327+/-0.702 χ^2/NDF:604.6/14

+ sign -7.695+/-0.576 χ^2/NDF: 1850.2/30

All: -8.218+/-0.408 χ^2/NDF: 3818.7/63

- sign -8.749+/-0.580 χ^2/NDF: 1966.8/32



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -62.607+/-0.033 χ^2/NDF:183530.9/14

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

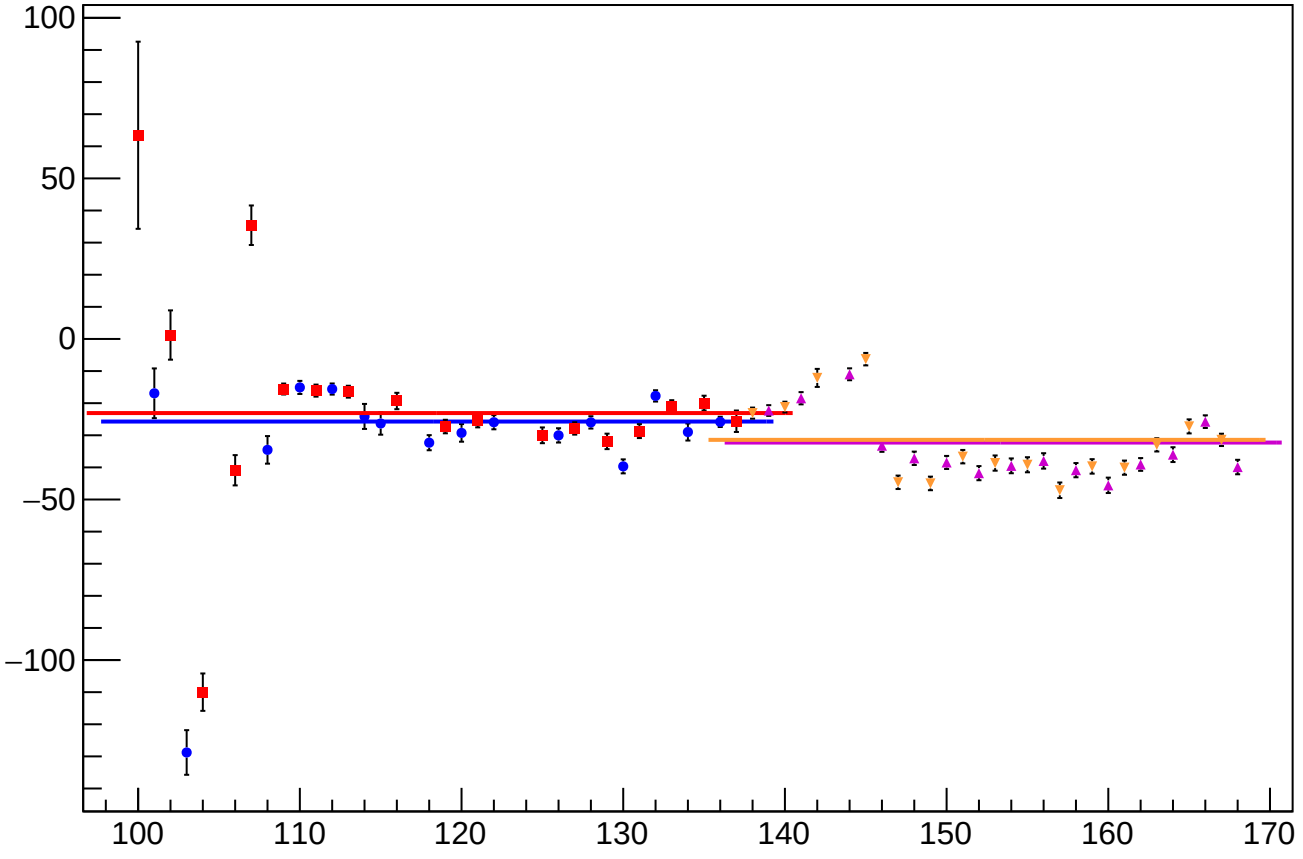
Left In: -61.999+/-0.032 χ^2/NDF:155635.6/14

\+ sign -58.638+/-0.029 χ^2/NDF: 824210.2/30

All: -58.689+/-0.020 χ^2/NDF: 1523834.2/63

\- sign -58.739+/-0.028 χ^2/NDF: 699617.7/32

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: -31.423+/-0.542 χ^2/NDF:457.4/14

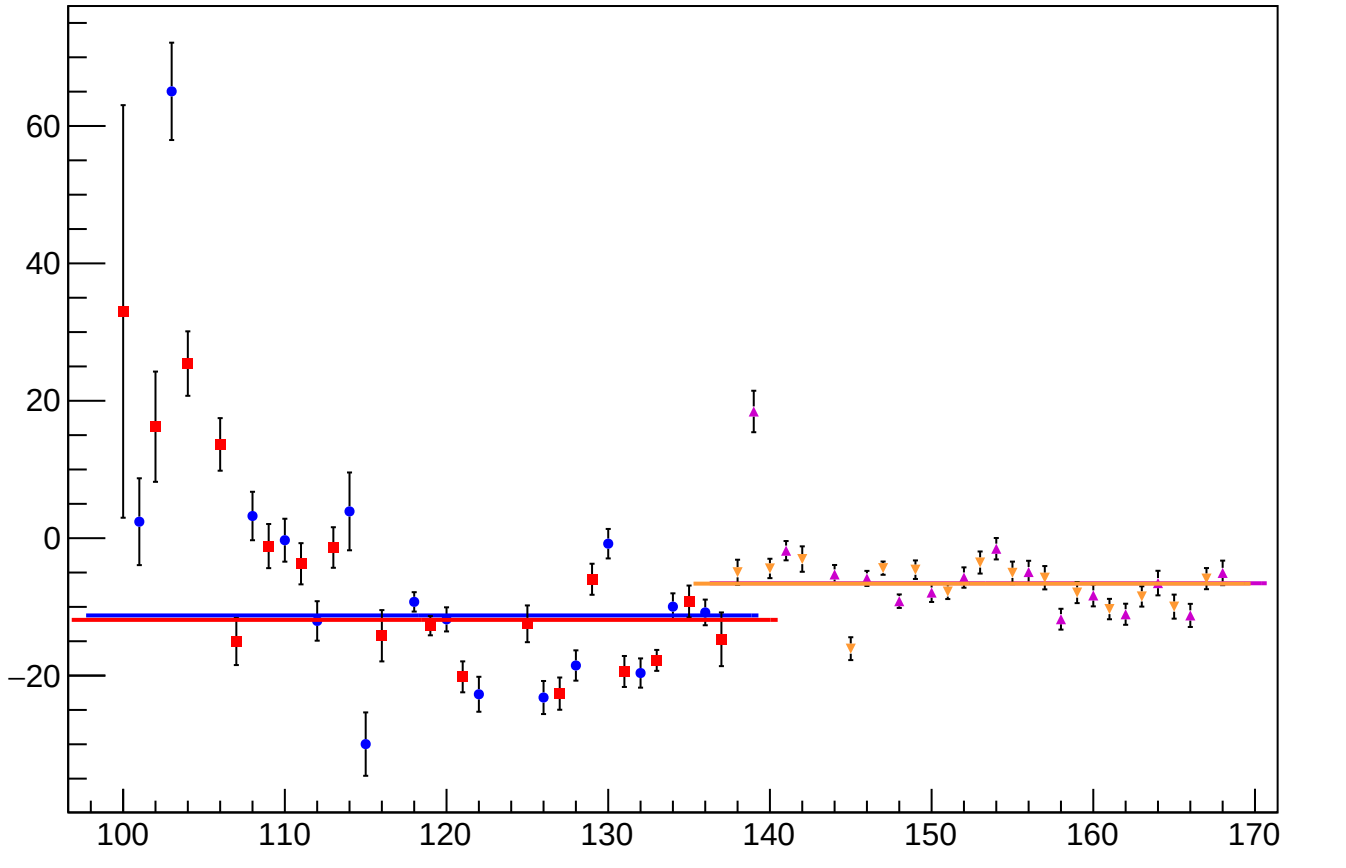
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

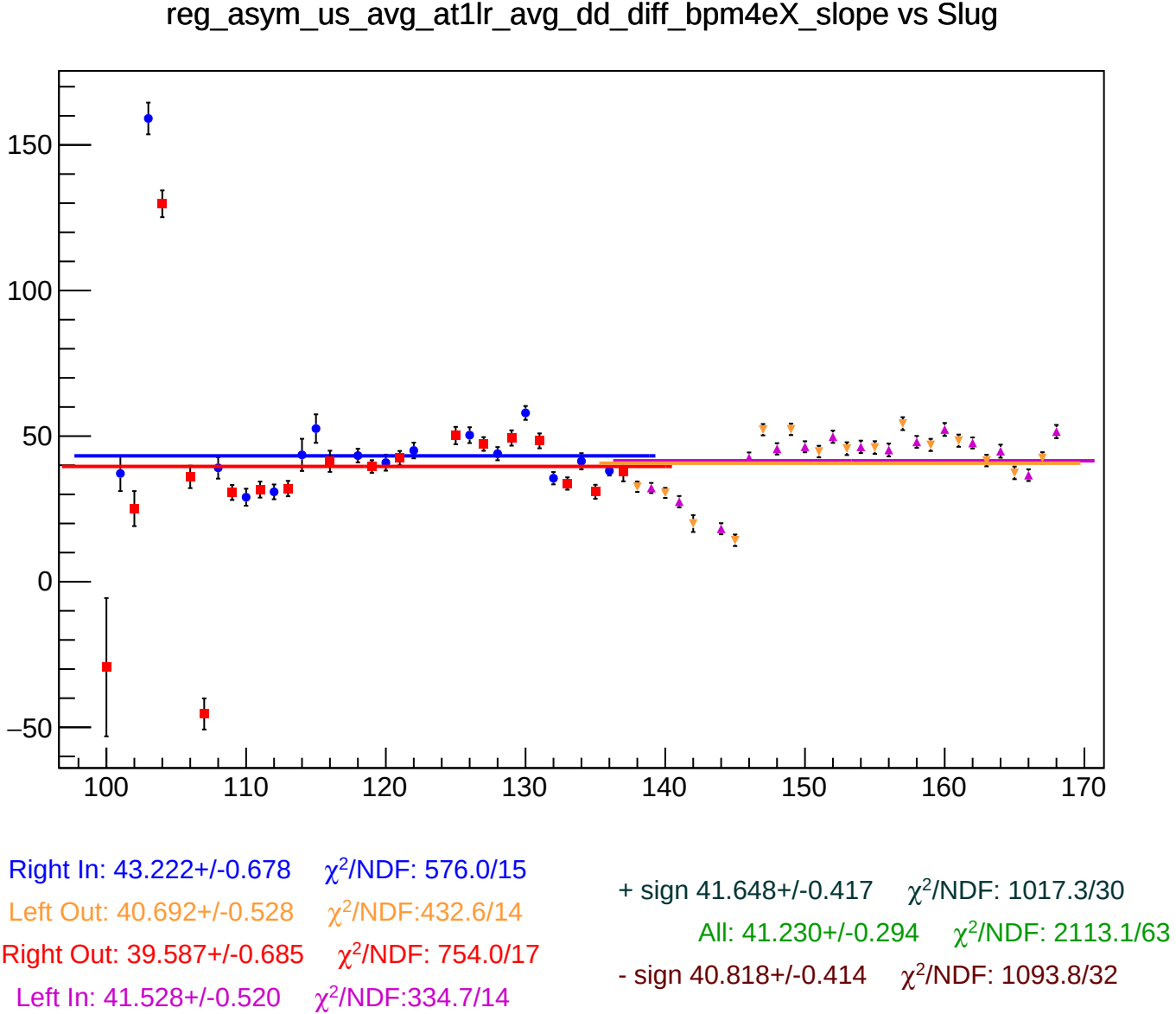
Left In: -32.264+/-0.534 χ^2/NDF:350.8/14

+ sign -28.815+/-0.399 χ^2/NDF: 871.0/30

All: -28.434+/-0.280 χ^2/NDF: 1795.9/63

- sign -28.063+/-0.393 χ^2/NDF: 923.2/32


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: -11.246+/-0.600 χ²/NDF: 271.1/15
Left Out: -6.615+/-0.375 χ²/NDF:65.4/14
Right Out: -11.890+/-0.607 χ²/NDF: 224.5/17
Left In: -6.561+/-0.377 χ²/NDF:131.3/14
+ sign -7.916+/-0.318 χ²/NDF: 379.4/30
All: -7.981+/-0.226 χ²/NDF: 790.8/63
- sign -8.047+/-0.321 χ²/NDF: 411.4/32



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 40.692+/-0.528 χ^2/NDF:432.6/14

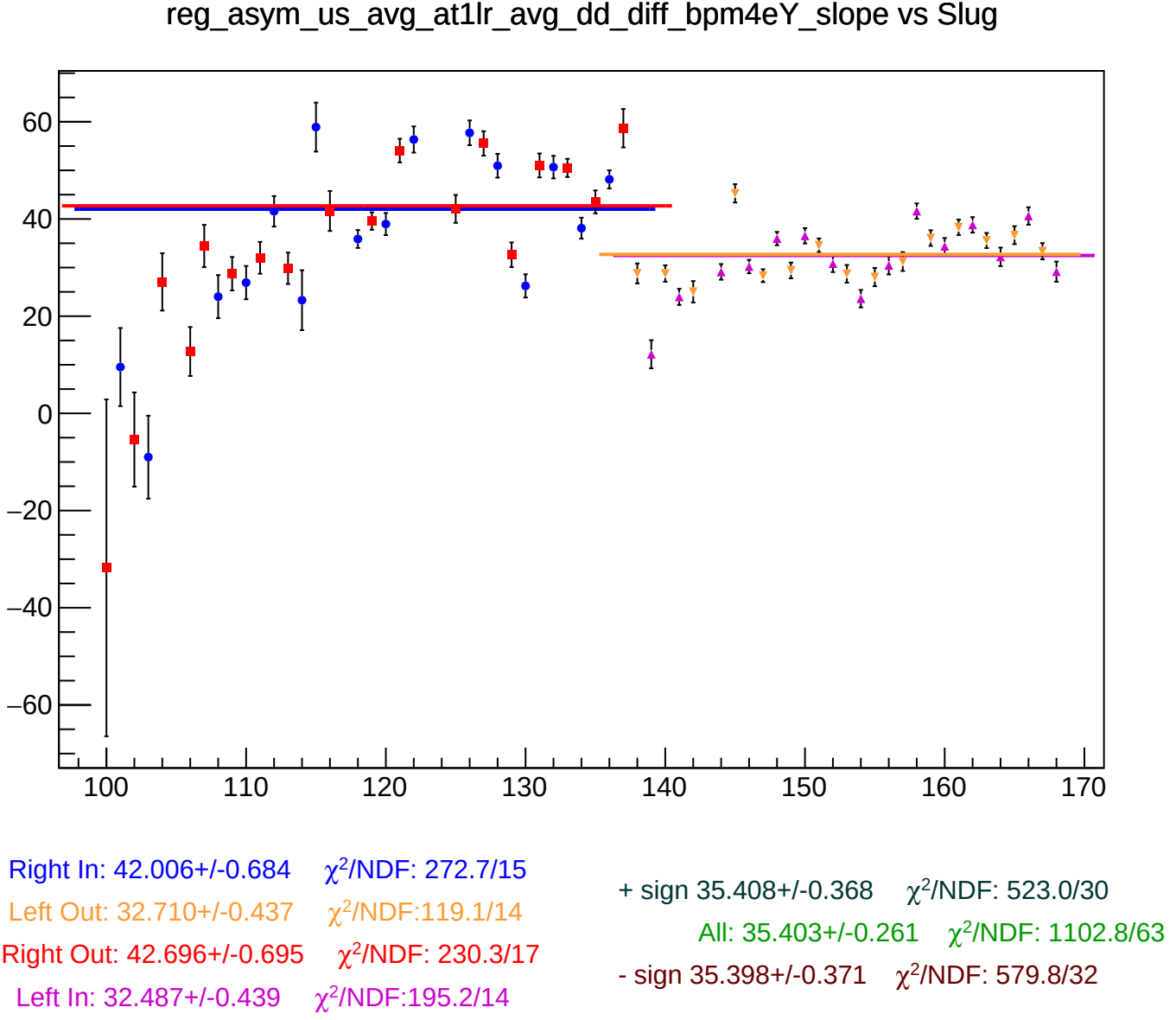
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

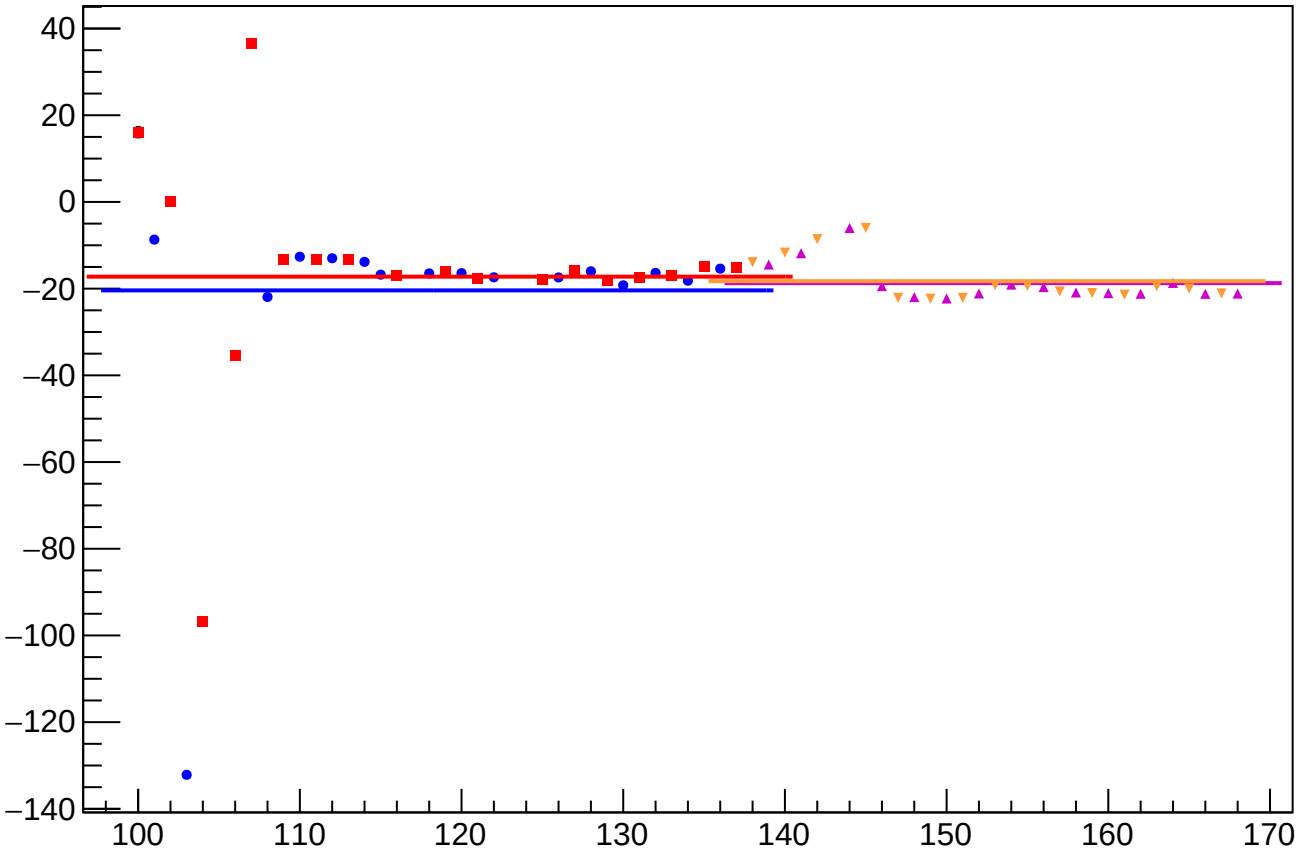
Left In: 41.528+/-0.520 χ^2/NDF:334.7/14

\+ sign 41.648+/-0.417 χ^2/NDF: 1017.3/30

All: 41.230+/-0.294 χ^2/NDF: 2113.1/63

\- sign 40.818+/-0.414 χ^2/NDF: 1093.8/32


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
Right In: 42.006+/-0.684 χ²/NDF: 272.7/15
Left Out: 32.710+/-0.437 χ²/NDF:119.1/14
Right Out: 42.696+/-0.695 χ²/NDF: 230.3/17
Left In: 32.487+/-0.439 χ²/NDF:195.2/14
+ sign 35.408+/-0.368 χ²/NDF: 523.0/30
All: 35.403+/-0.261 χ²/NDF: 1102.8/63
- sign 35.398+/-0.371 χ²/NDF: 579.8/32



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -18.273+/-0.020 χ^2/NDF:56315.4/14

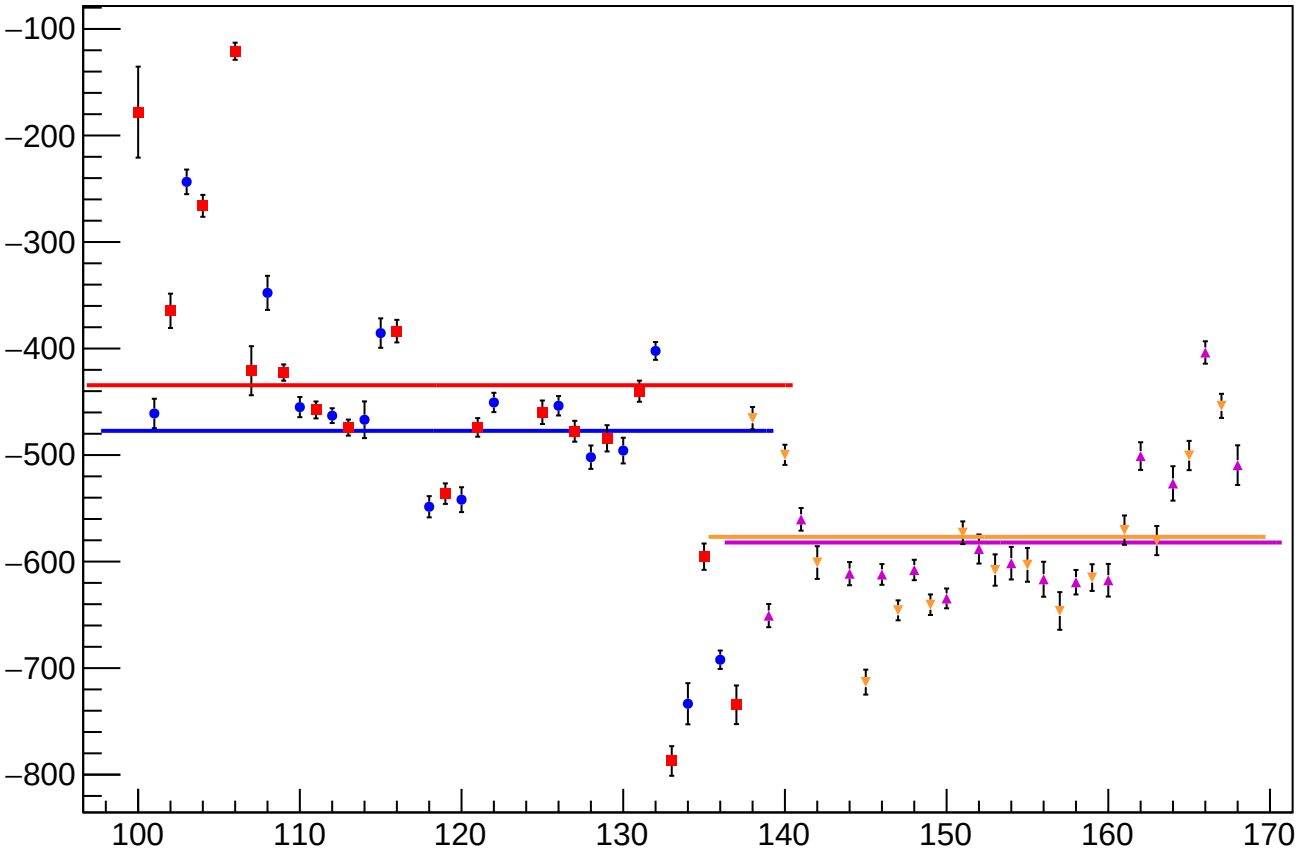
Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -18.727+/-0.020 χ^2/NDF:44365.8/14

+ sign -18.667+/-0.018 χ^2/NDF: 304037.4/30

All: -18.574+/-0.013 χ^2/NDF: 554069.3/63

- sign -18.483+/-0.018 χ^2/NDF: 249979.1/32



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -576.779+/-3.092 χ^2/NDF:595.8/14

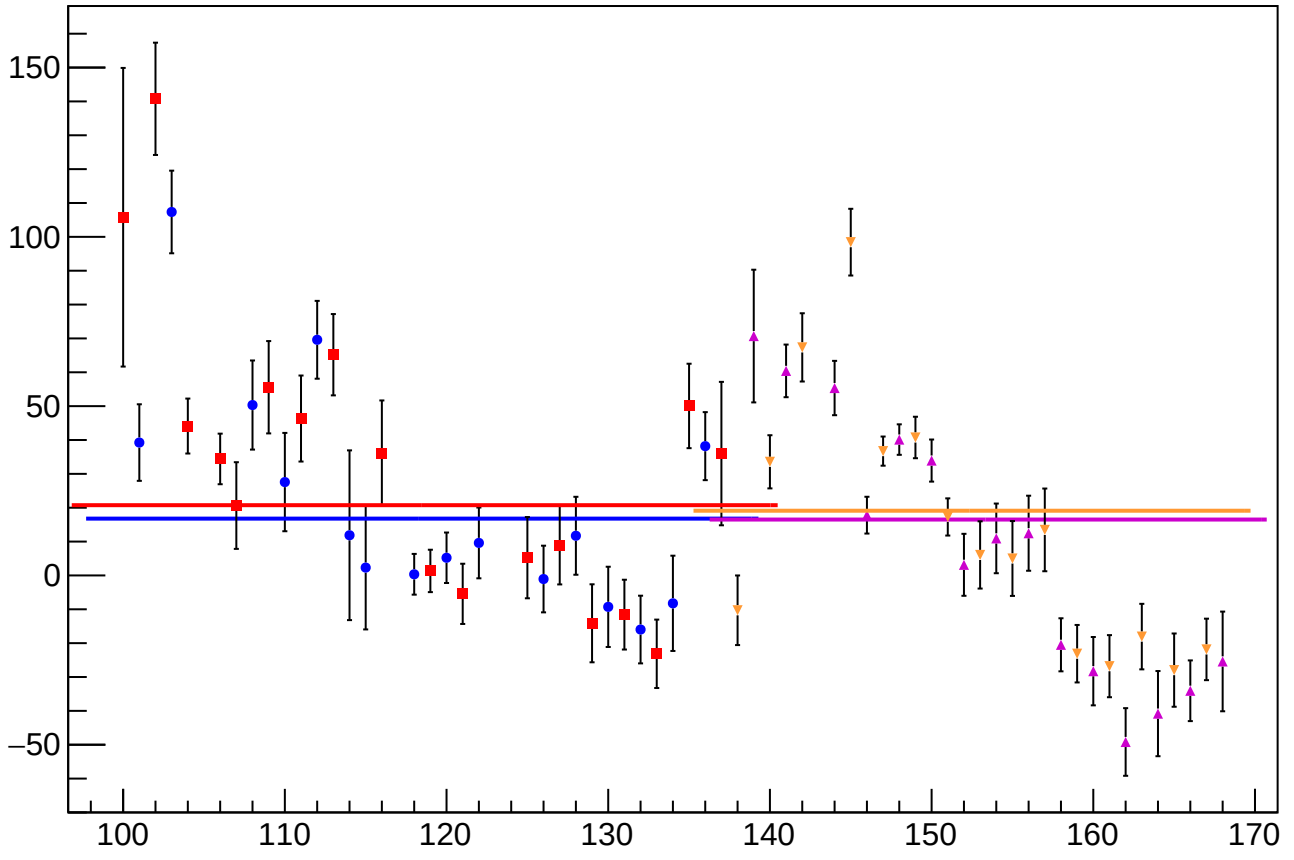
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -582.088+/-3.078 χ^2/NDF:475.1/14

+ sign -519.089+/-2.005 χ^2/NDF: 2707.2/30

All: -505.035+/-1.388 χ^2/NDF: 7841.0/63

- sign -492.097+/-1.924 χ^2/NDF: 5039.4/32



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 19.112+/-2.034 χ^2/NDF:236.0/14

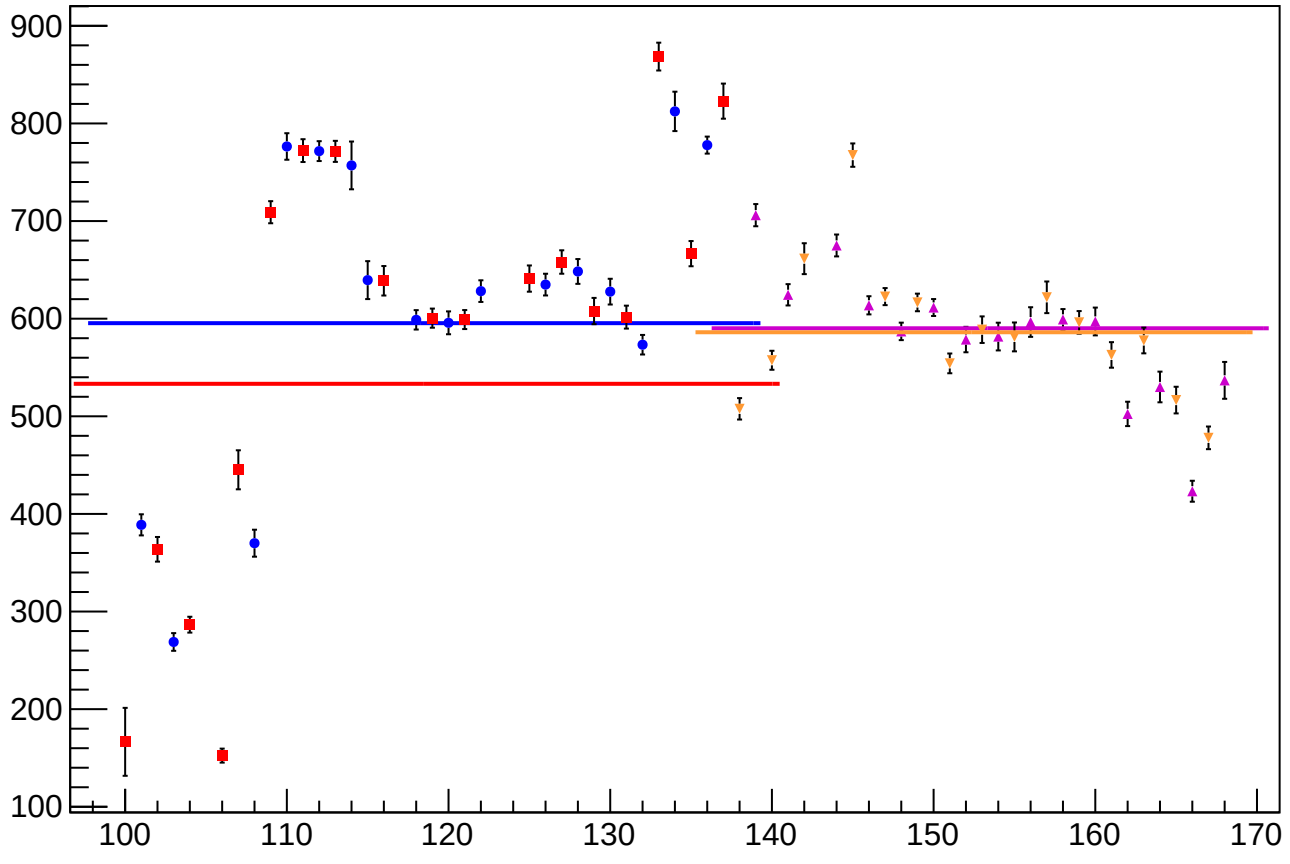
Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 16.506+/-2.073 χ^2/NDF:246.9/14

+ sign 18.250+/-1.614 χ^2/NDF: 361.5/30

All: 18.222+/-1.139 χ^2/NDF: 768.0/63

- sign 18.195+/-1.608 χ^2/NDF: 406.5/32



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 586.100+/-3.006 χ^2/NDF:473.6/14

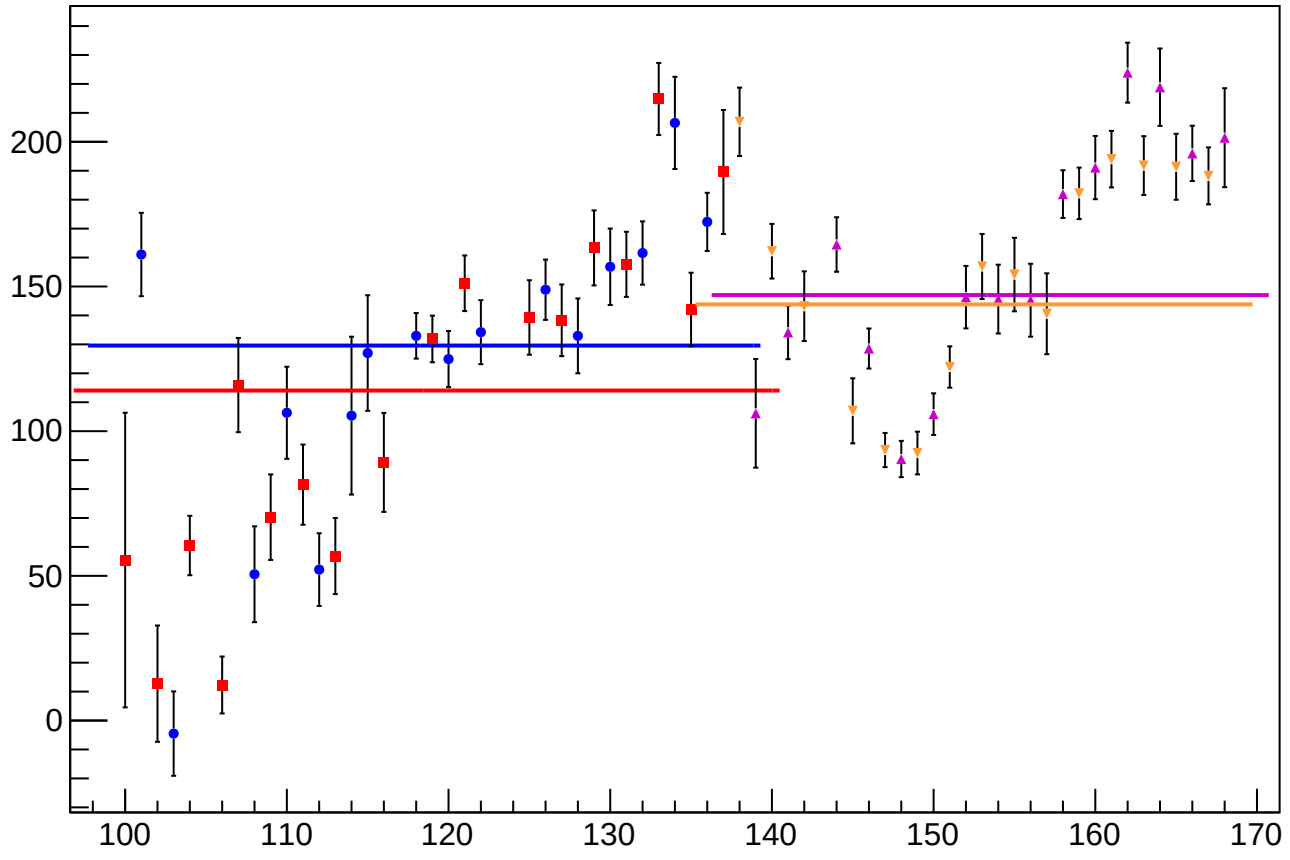
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 590.170+/-2.983 χ^2/NDF:499.9/14

+ sign 590.873+/-2.098 χ^2/NDF: 3538.2/30

All: 574.530+/-1.455 χ^2/NDF: 10854.7/63

- sign 559.373+/-2.020 χ^2/NDF: 7199.6/32



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 143.819+/-2.426 χ^2/NDF:280.4/14

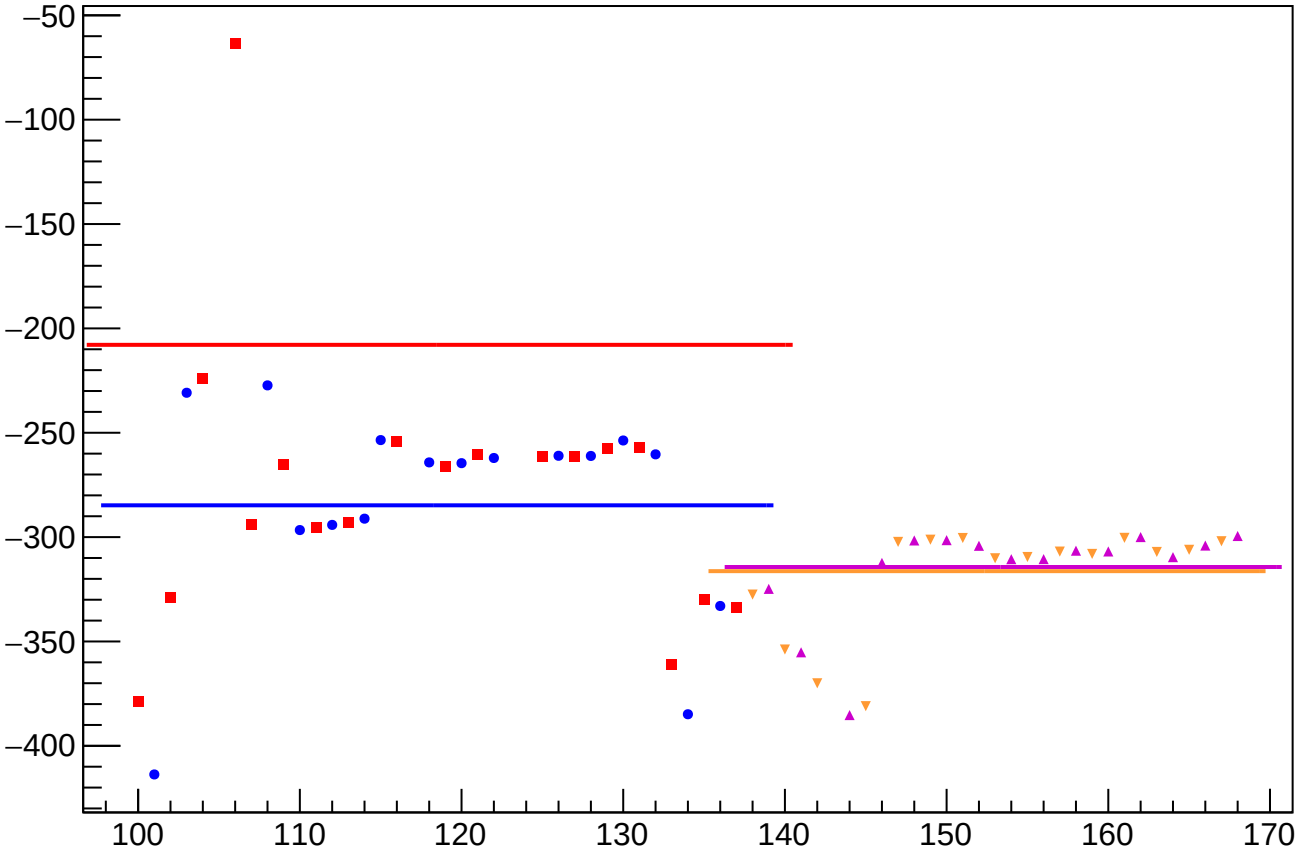
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 147.042+/-2.456 χ^2/NDF:286.0/14

+ sign 138.371+/-1.906 χ^2/NDF: 504.8/30

All: 136.008+/-1.344 χ^2/NDF: 1203.0/63

- sign 133.674+/-1.894 χ^2/NDF: 695.1/32



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -316.309+/-0.116 χ^2/NDF:42231.5/14

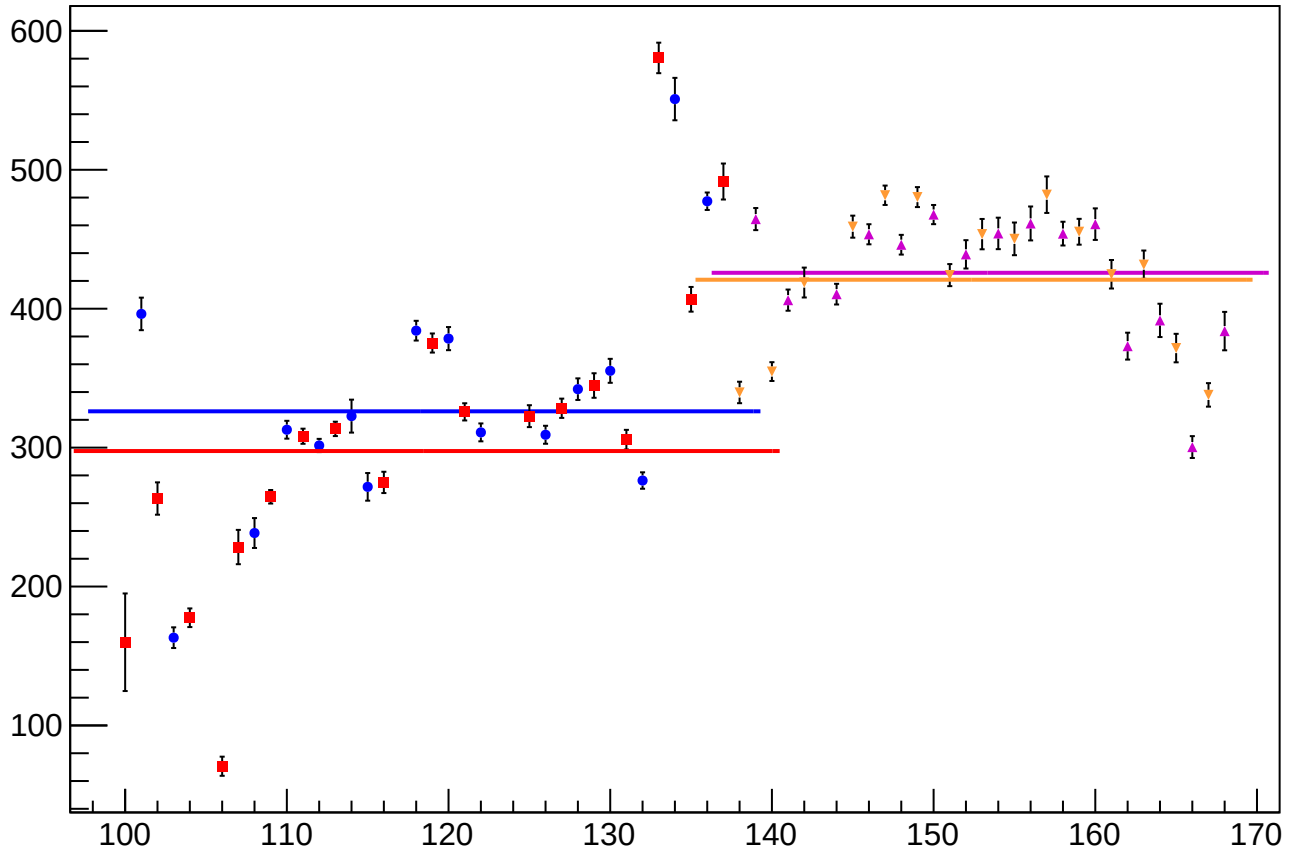
Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -314.320+/-0.114 χ^2/NDF:34868.5/14

+ sign -306.837+/-0.097 χ^2/NDF: 168687.5/30

All: -289.689+/-0.066 χ^2/NDF: 1119814.3/63

- sign -274.784+/-0.091 χ^2/NDF: 893061.2/32



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 420.854+/-2.268 χ^2/NDF:544.6/14

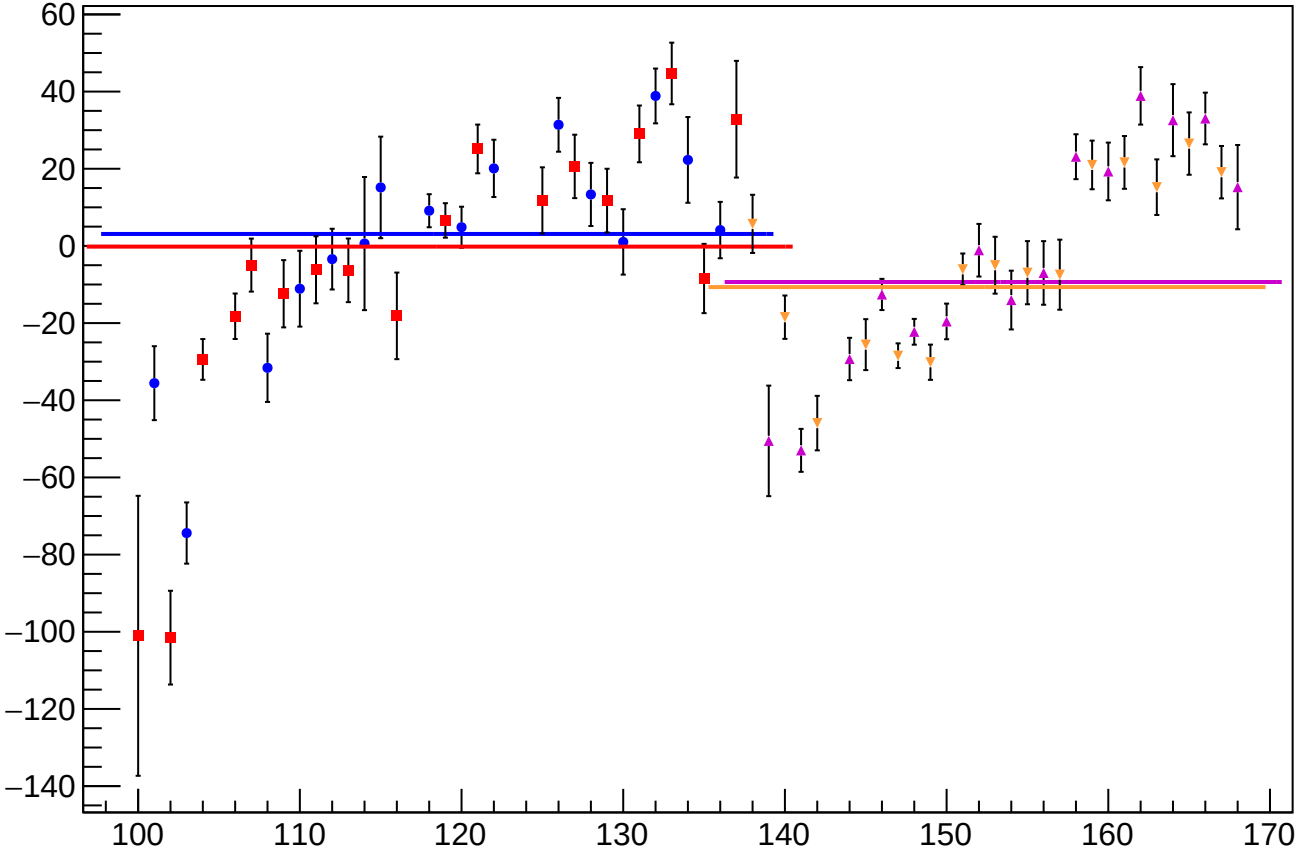
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 425.850+/-2.261 χ^2/NDF:432.6/14

+ sign 364.149+/-1.437 χ^2/NDF: 3232.0/30

All: 354.203+/-0.994 χ^2/NDF: 8559.1/63

- sign 345.074+/-1.376 χ^2/NDF: 5235.2/32



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -10.670+/-1.498 χ^2/NDF:188.7/14

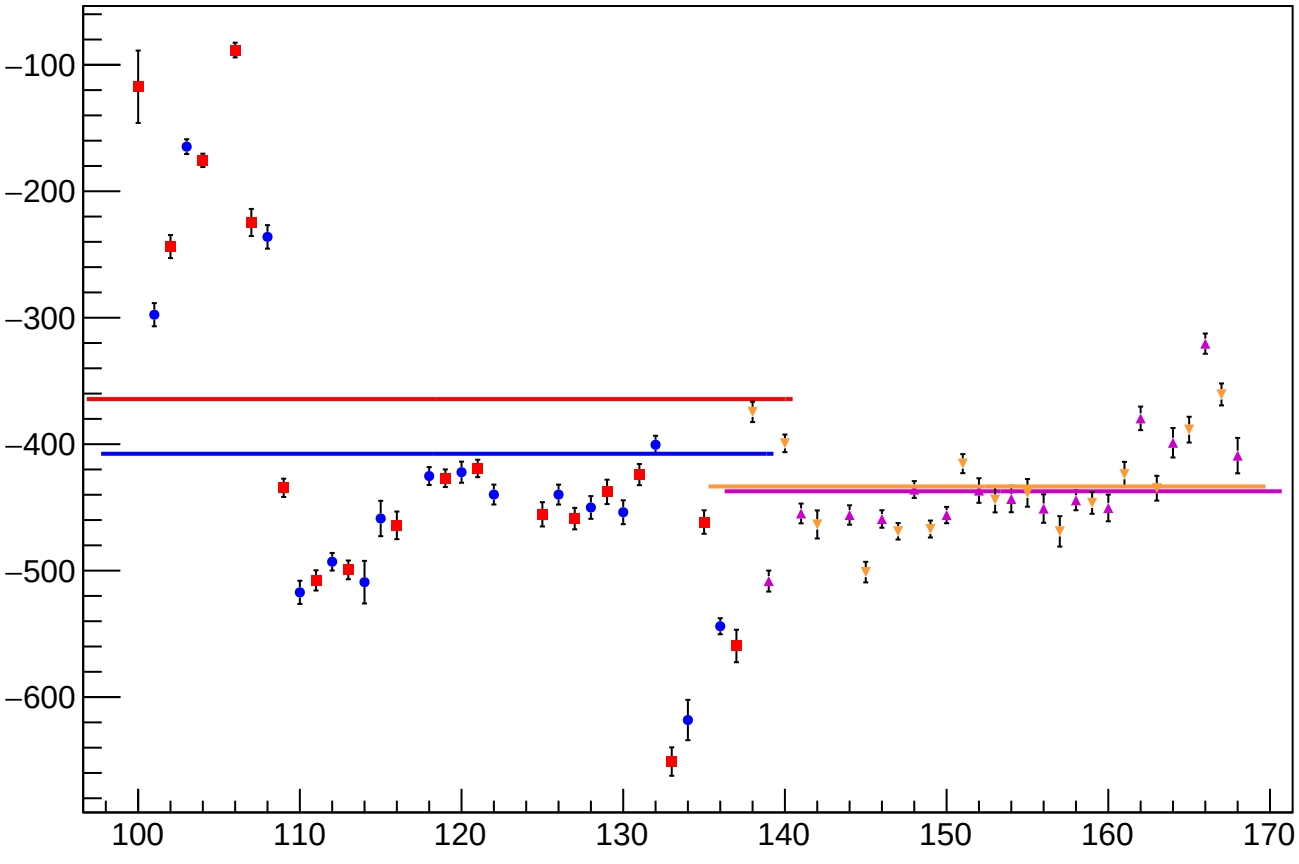
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -9.351+/-1.527 χ^2/NDF:258.3/14

+ sign -5.364+/-1.175 χ^2/NDF: 405.8/30

All: -5.428+/-0.826 χ^2/NDF: 884.5/63

- sign -5.491+/-1.162 χ^2/NDF: 478.6/32



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -433.447+/-2.208 χ^2/NDF:317.7/14

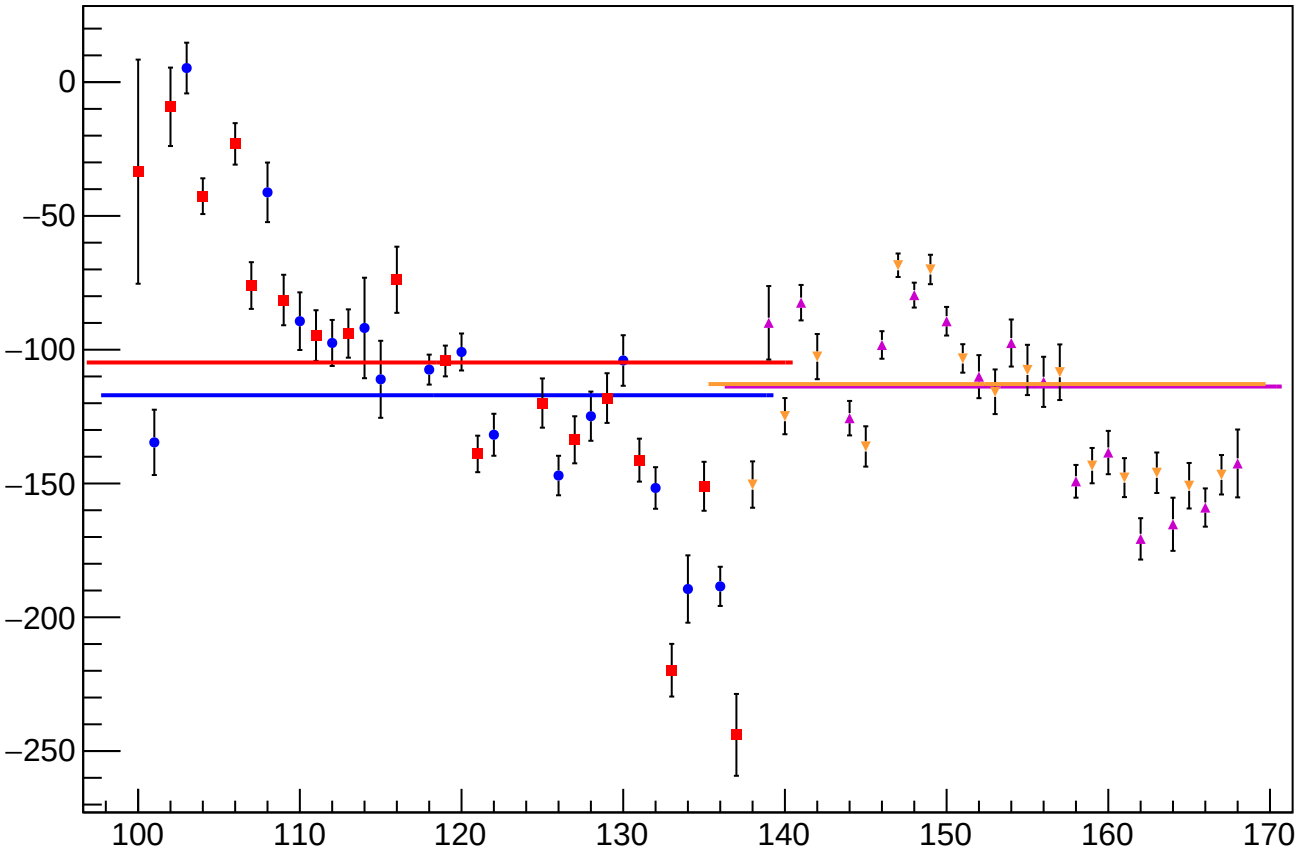
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -437.247+/-2.194 χ^2/NDF:372.4/14

+ sign -419.698+/-1.512 χ^2/NDF: 3671.2/30

All: -407.577+/-1.048 χ^2/NDF: 11006.9/63

- sign -396.357+/-1.454 χ^2/NDF: 7211.9/32



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -112.846+/-1.786 χ^2/NDF:304.2/14

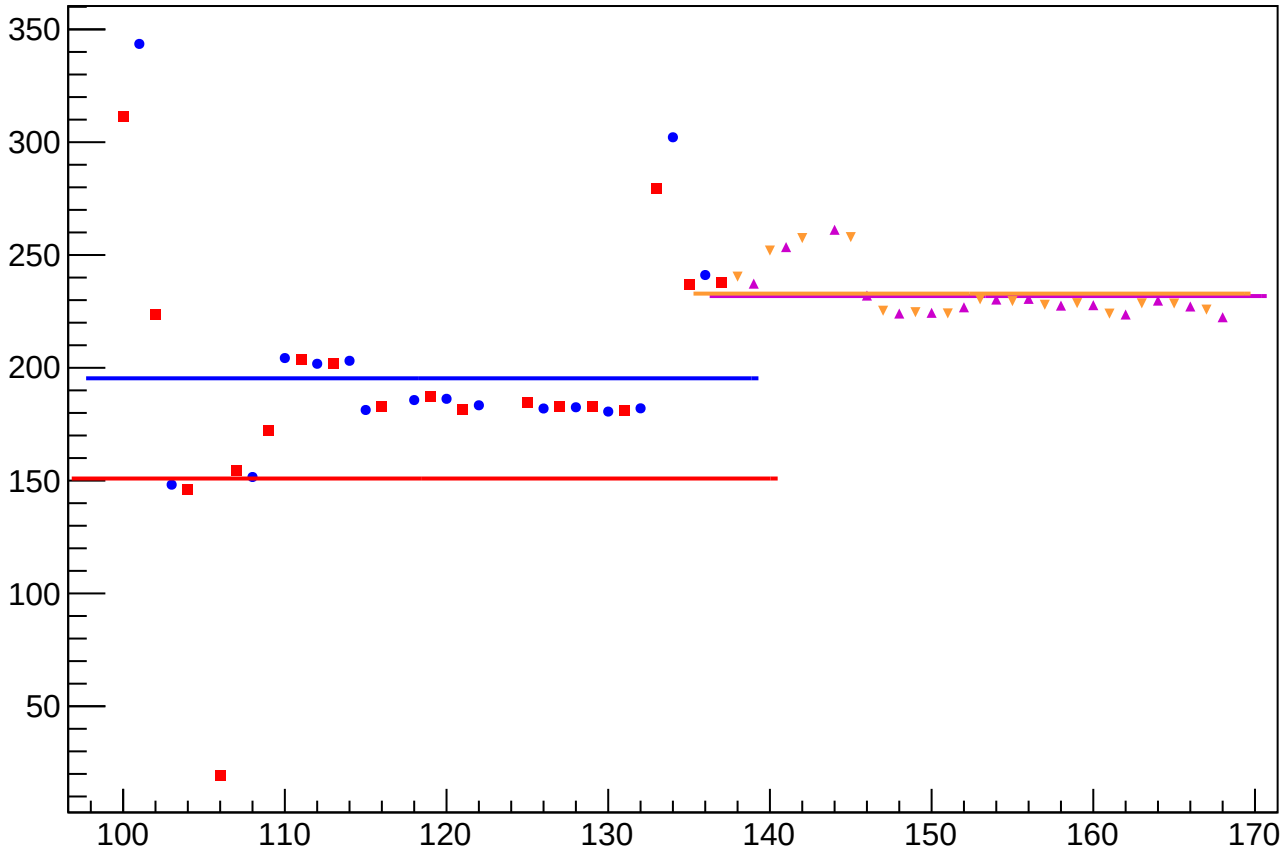
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -113.767+/-1.809 χ^2/NDF:285.3/14

+ sign -114.510+/-1.385 χ^2/NDF: 714.2/30

All: -112.186+/-0.973 χ^2/NDF: 1590.7/63

- sign -109.919+/-1.368 χ^2/NDF: 871.0/32



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 232.886+/-0.086 χ^2/NDF:17594.5/14

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

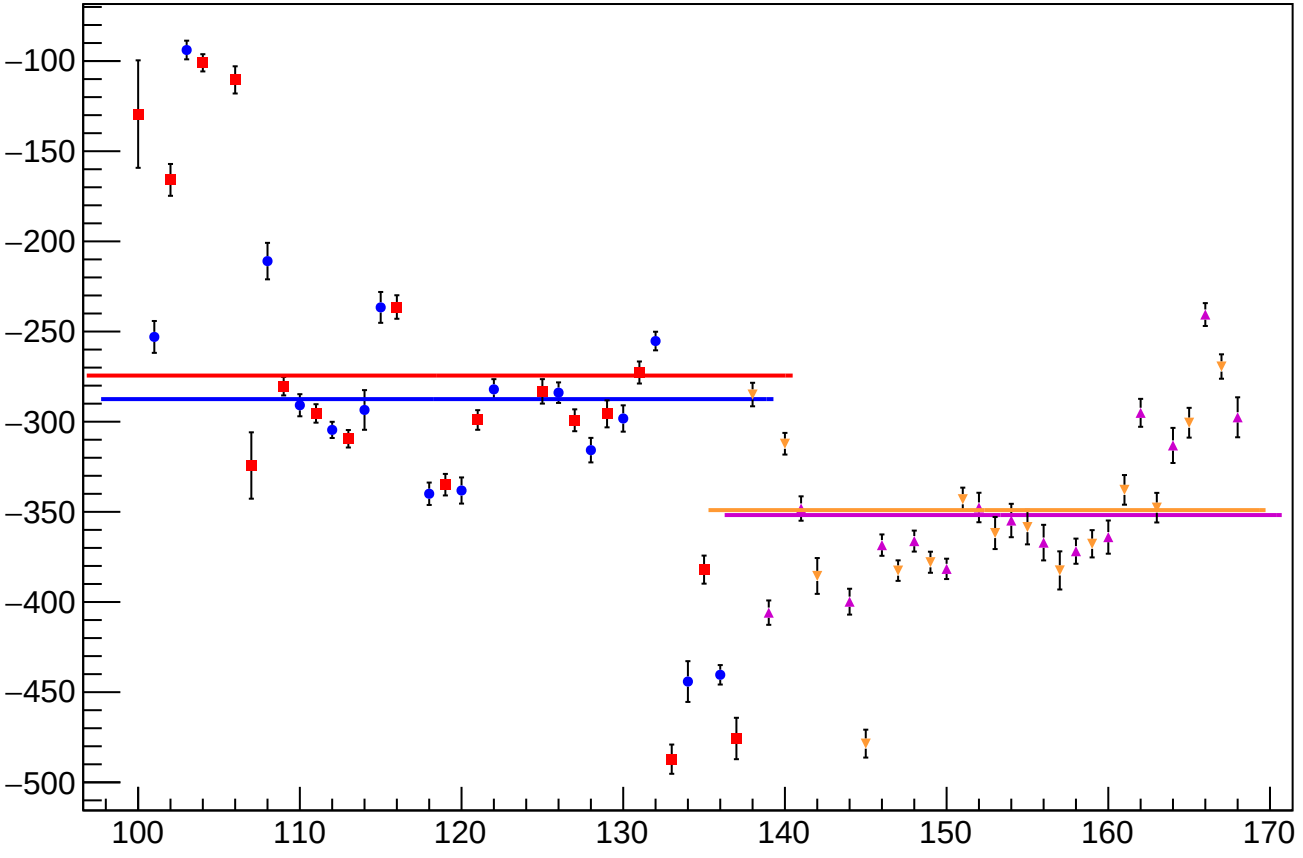
Left In: 231.805+/-0.084 χ^2/NDF:15651.6/14

+ sign 220.859+/-0.071 χ^2/NDF: 256210.4/30

All: 210.903+/-0.049 χ^2/NDF: 1148795.4/63

- sign 201.936+/-0.067 χ^2/NDF: 854733.2/32

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -349.035+/-1.895 χ^2/NDF:681.7/14

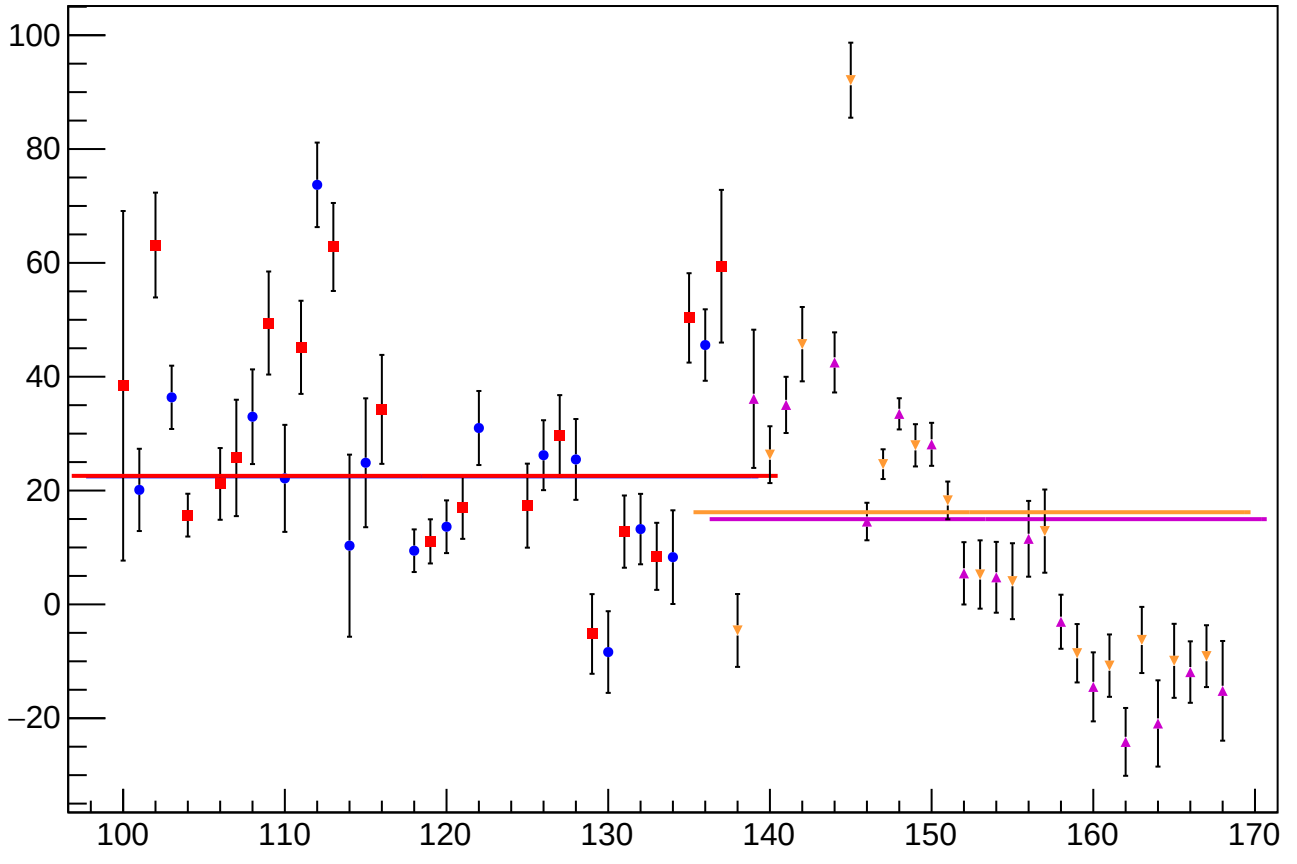
Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -351.776+/-1.883 χ^2/NDF:564.9/14

+ sign -313.304+/-1.228 χ^2/NDF: 3990.6/30

All: -309.405+/-0.857 χ^2/NDF: 8994.0/63

- sign -305.696+/-1.197 χ^2/NDF: 4983.7/32



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 16.194+/-1.242 χ^2/NDF:295.6/14

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

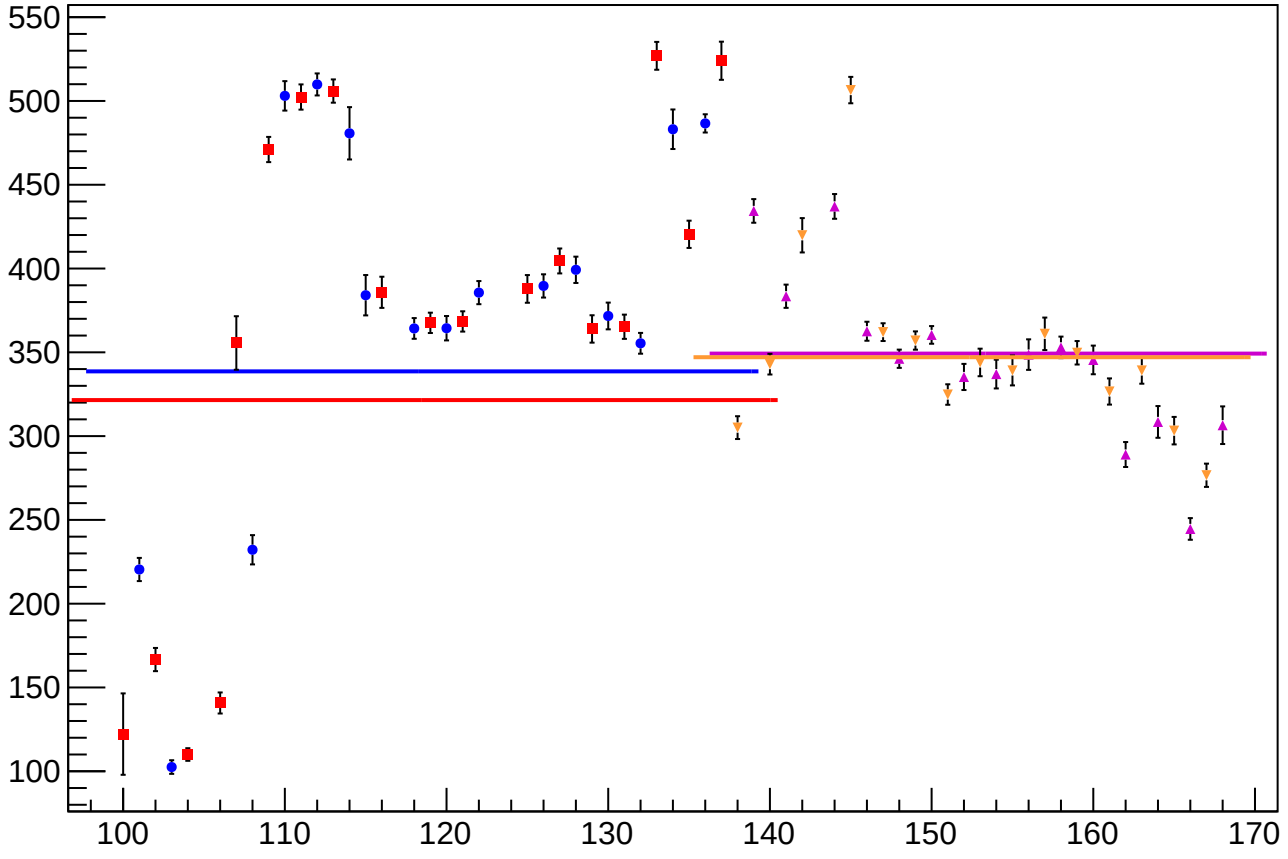
Left In: 14.975+/-1.265 χ^2/NDF:250.6/14

\+ sign 18.523+/-0.986 χ^2/NDF: 416.5/30

All: 18.246+/-0.697 χ^2/NDF: 804.9/63

\- sign 17.969+/-0.985 χ^2/NDF: 388.2/32

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: 347.079+/-1.839 χ^2/NDF:665.6/14

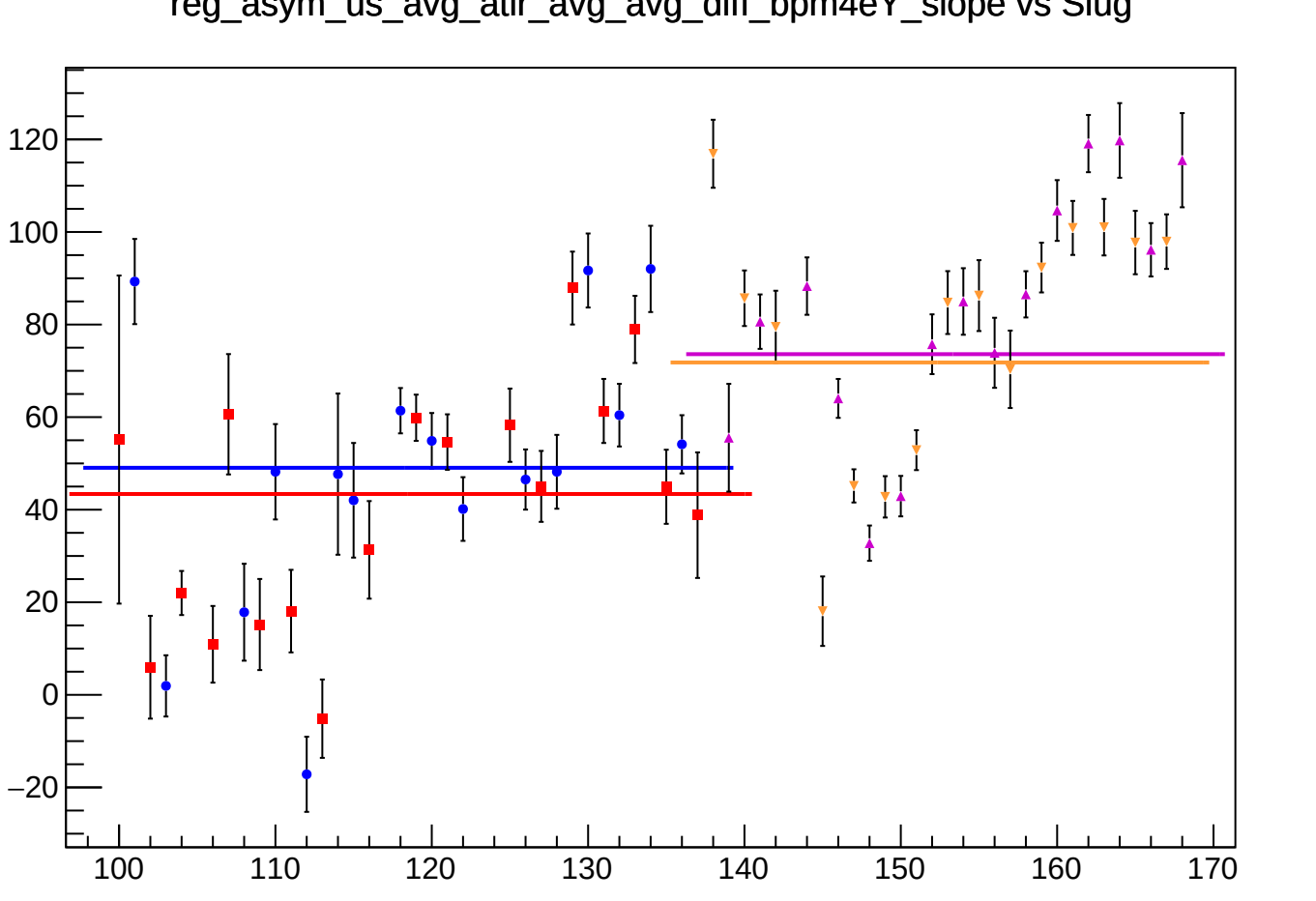
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 349.234+/-1.823 χ^2/NDF:688.0/14

+ sign 342.642+/-1.267 χ^2/NDF: 6719.3/30

All: 338.412+/-0.887 χ^2/NDF: 15274.1/63

- sign 334.355+/-1.241 χ^2/NDF: 8533.0/32



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 71.808+/-1.481 χ^2/NDF:315.6/14

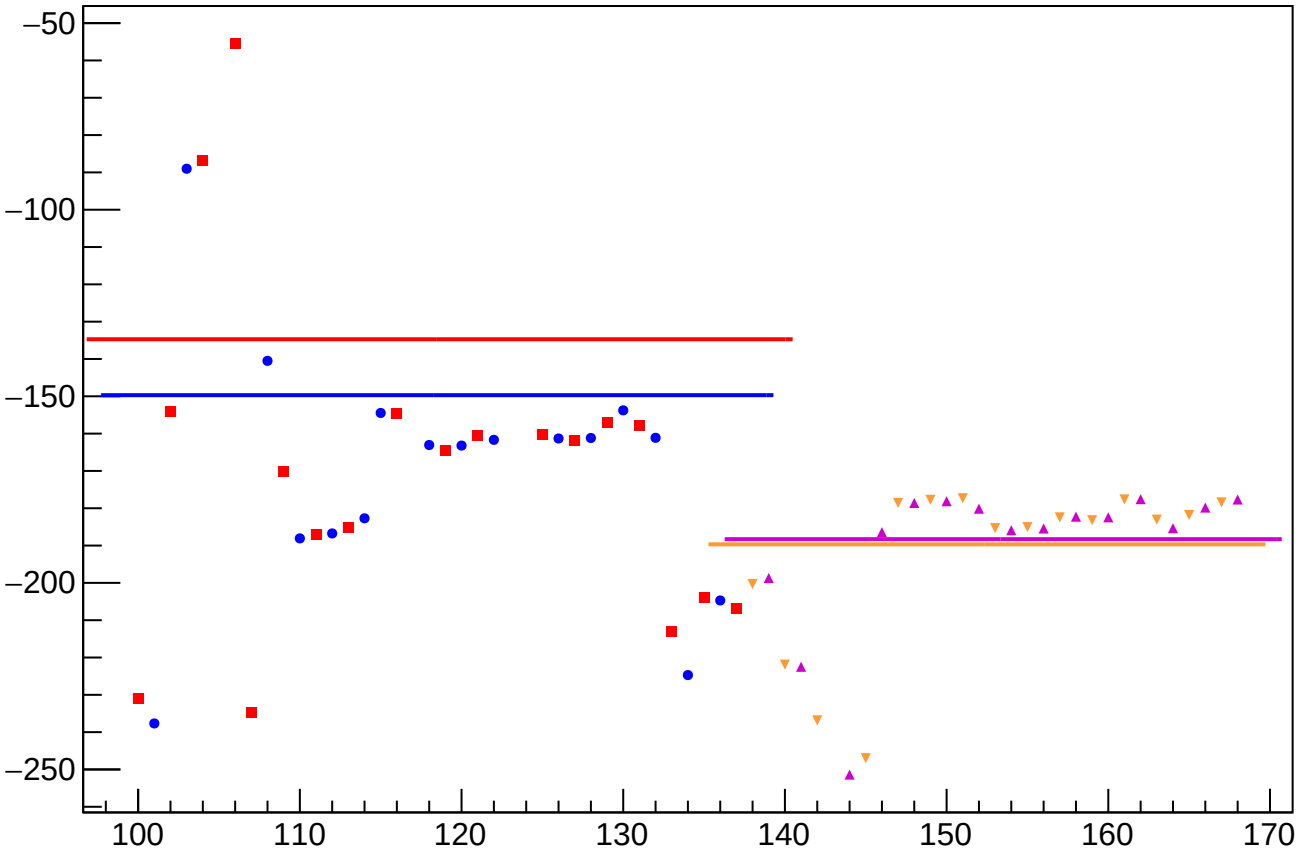
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 73.602+/-1.498 χ^2/NDF:329.4/14

+ sign 63.111+/-1.164 χ^2/NDF: 613.8/30

All: 62.307+/-0.822 χ^2/NDF: 1286.9/63

- sign 61.507+/-1.160 χ^2/NDF: 672.1/32



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -189.670+/-0.071 χ^2/NDF:75758.5/14

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

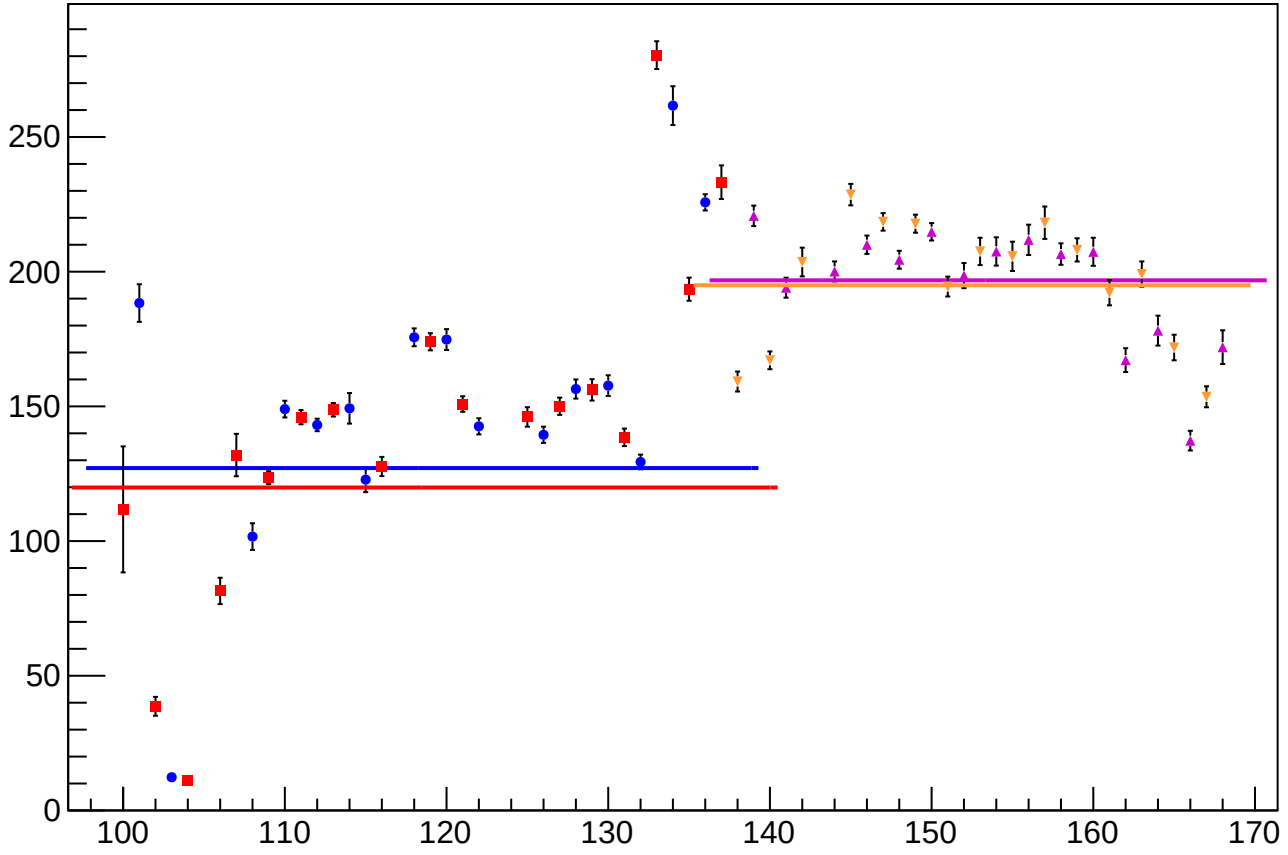
Left In: -188.286+/-0.070 χ^2/NDF:62154.7/14

+ sign -176.428+/-0.058 χ^2/NDF: 437343.0/30

All: -173.152+/-0.041 χ^2/NDF: 1019464.8/63

- sign -170.033+/-0.057 χ^2/NDF: 575901.1/32

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: 194.958+/-1.069 χ^2/NDF:508.6/14

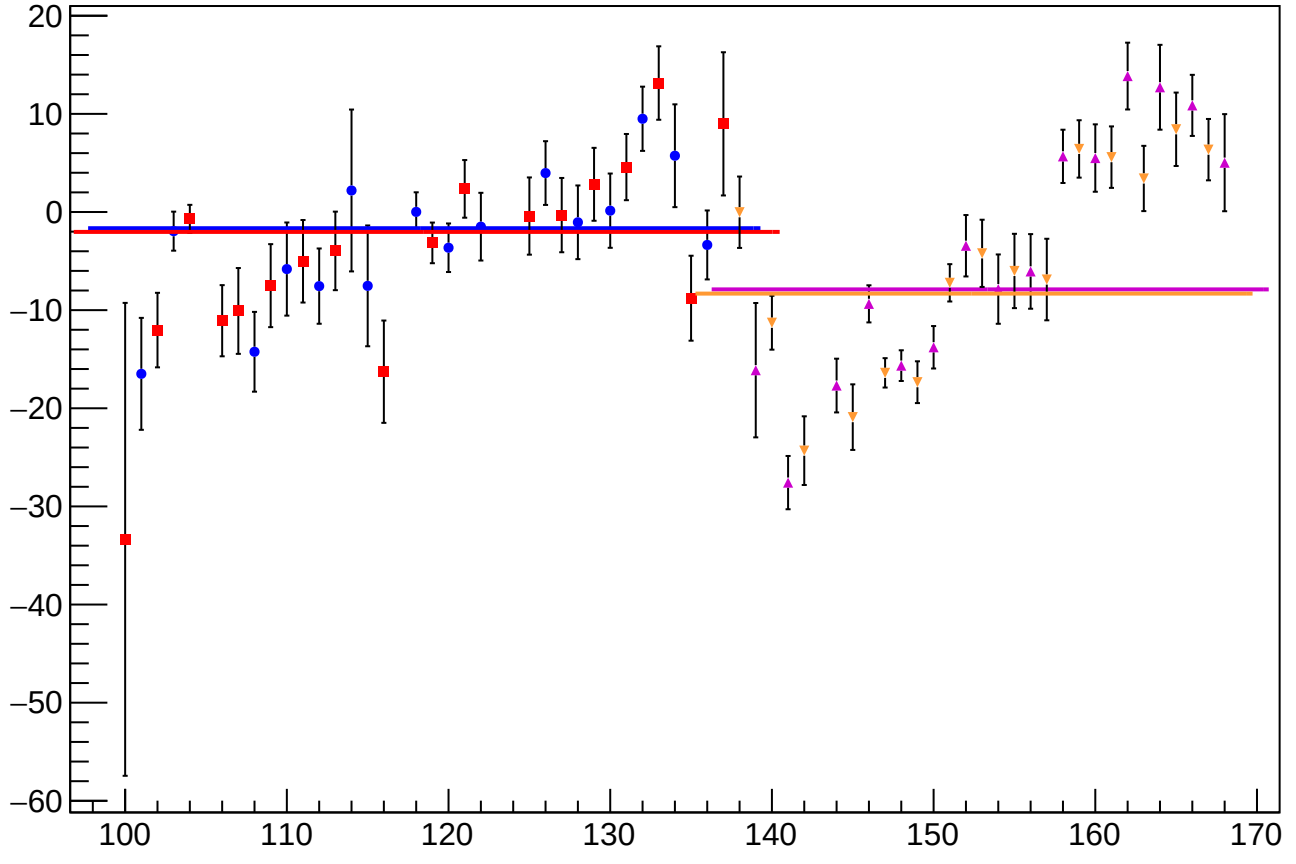
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 196.789+/-1.063 χ^2/NDF:451.1/14

+ sign 151.869+/-0.646 χ^2/NDF: 9228.4/30

All: 149.114+/-0.450 χ^2/NDF: 19782.6/63

- sign 146.529+/-0.626 χ^2/NDF: 10518.9/32



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -8.314+/-0.704 χ^2/NDF:190.4/14

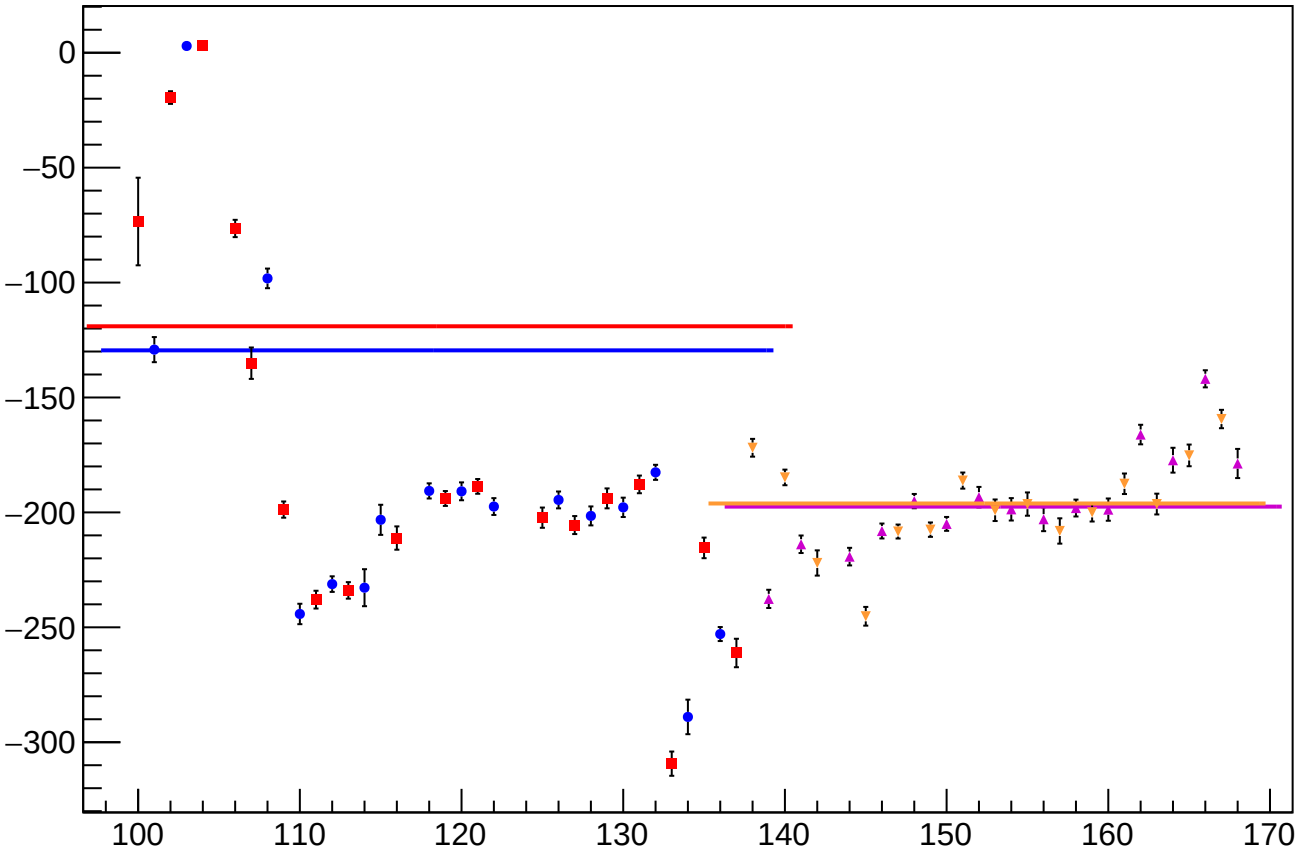
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -7.886+/-0.716 χ^2/NDF:248.5/14

+ sign -5.538+/-0.538 χ^2/NDF: 266.8/30

All: -5.348+/-0.375 χ^2/NDF: 605.2/63

- sign -5.168+/-0.525 χ^2/NDF: 338.1/32



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -196.124+/-1.040 χ^2/NDF:369.2/14

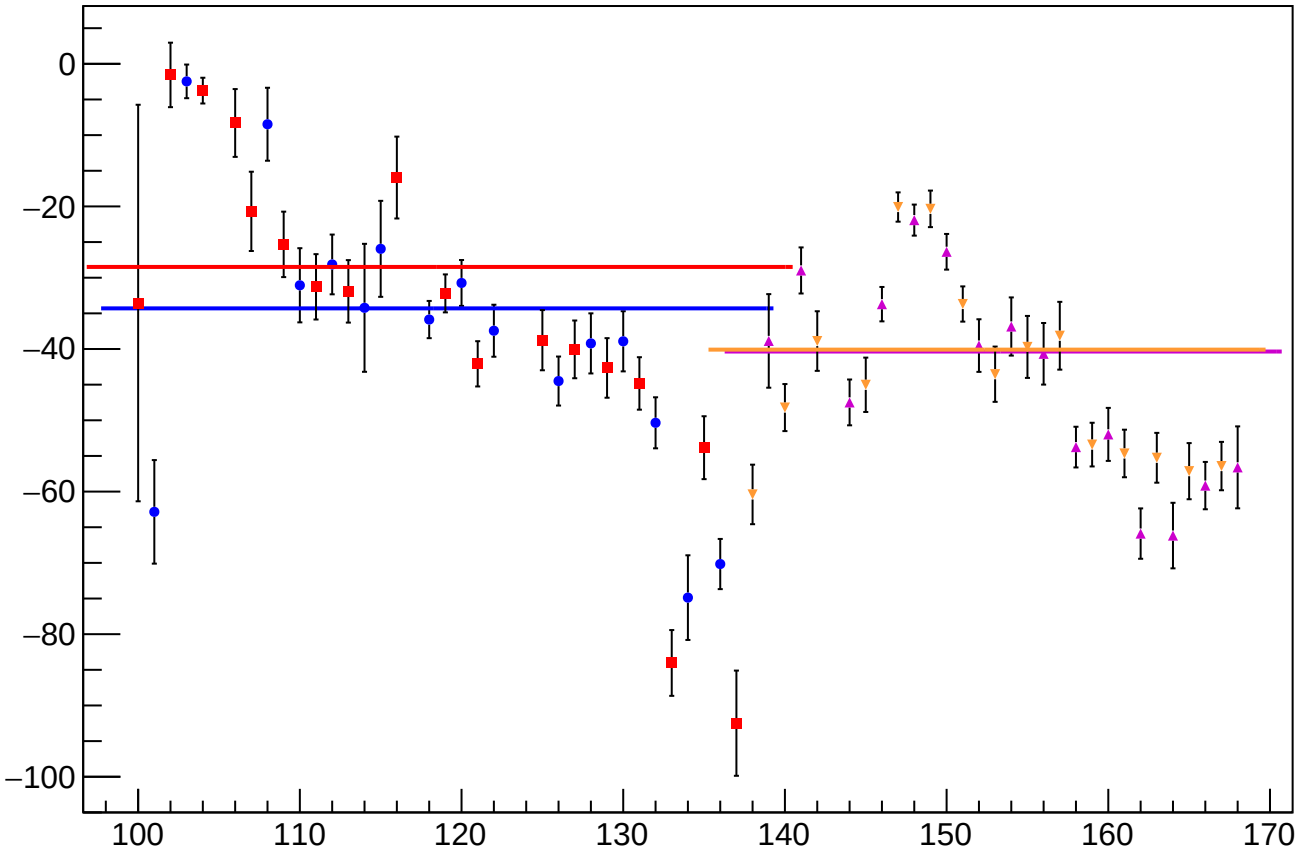
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -197.482+/-1.031 χ^2/NDF:472.8/14

+ sign -156.058+/-0.656 χ^2/NDF: 17527.4/30

All: -152.485+/-0.458 χ^2/NDF: 37808.2/63

- sign -149.108+/-0.638 χ^2/NDF: 20223.2/32



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -40.088+/-0.839 χ^2/NDF:292.1/14

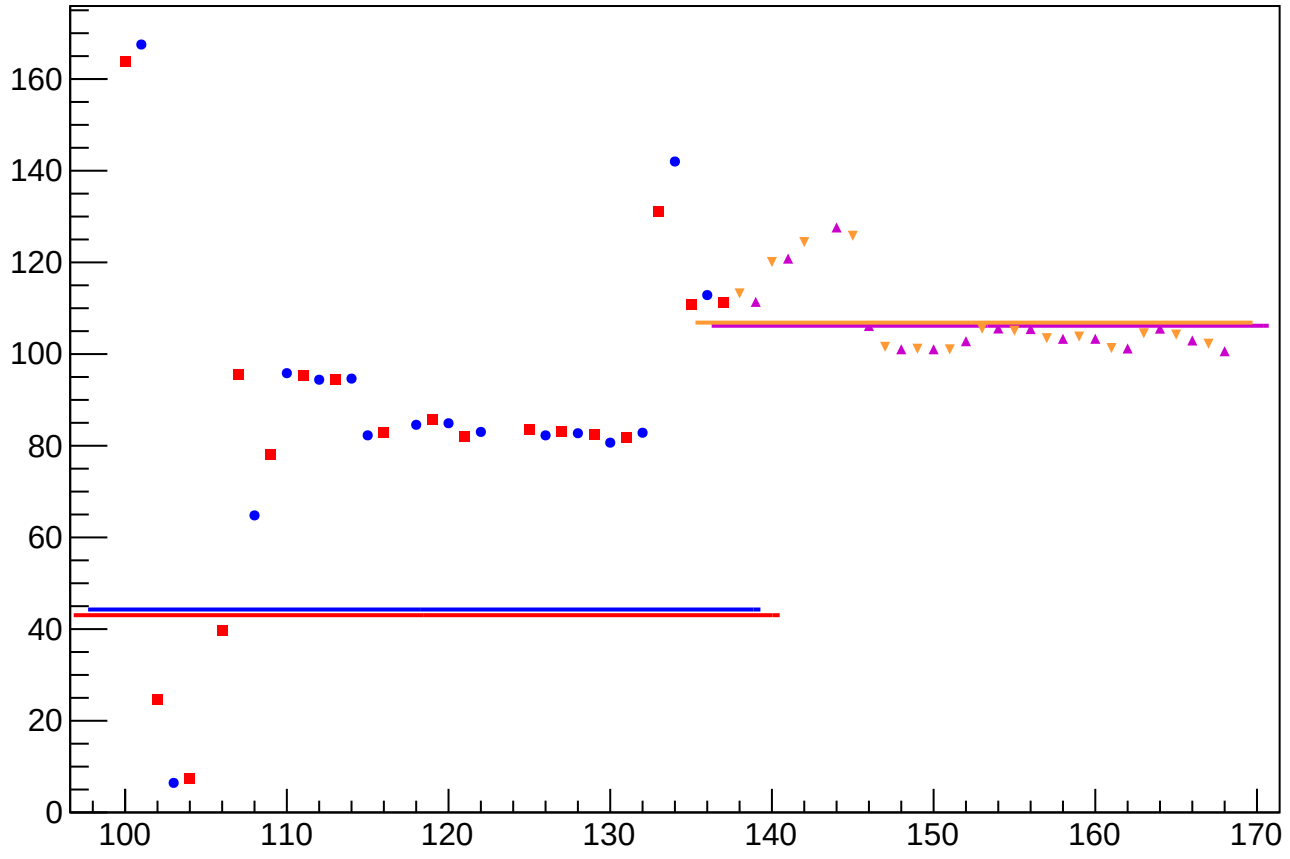
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -40.354+/-0.849 χ^2/NDF:284.4/14

+ sign -37.605+/-0.634 χ^2/NDF: 723.8/30

All: -36.179+/-0.443 χ^2/NDF: 1677.4/63

- sign -34.815+/-0.620 χ^2/NDF: 943.7/32



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 106.863+/-0.040 χ^2/NDF:37977.2/14

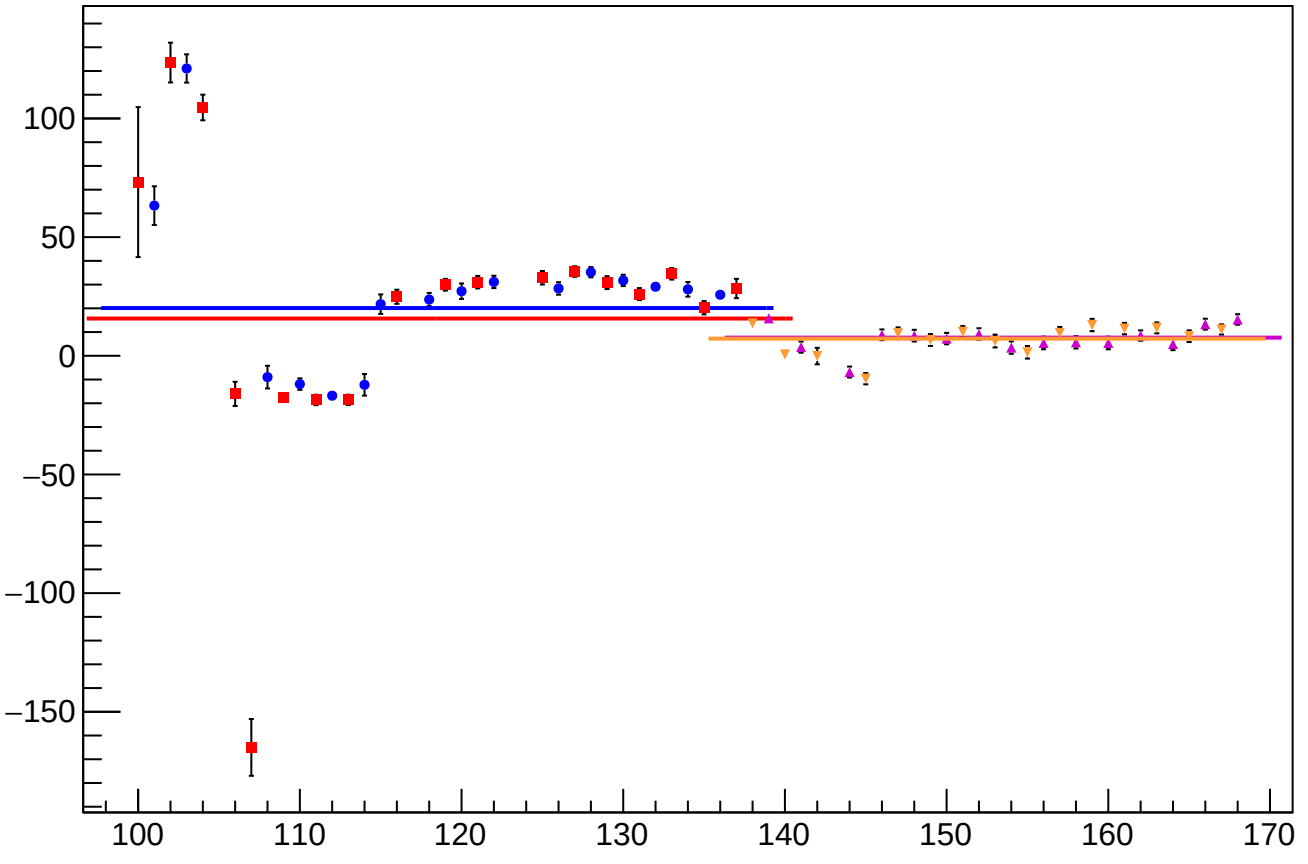
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 106.179+/-0.039 χ^2/NDF:32575.4/14

+ sign 79.075+/-0.030 χ^2/NDF: 2201478.0/30

All: 78.901+/-0.021 χ^2/NDF: 4150546.3/63

- sign 78.731+/-0.030 χ^2/NDF: 1949002.0/32



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 7.232+/-0.628 χ^2/NDF:97.0/14

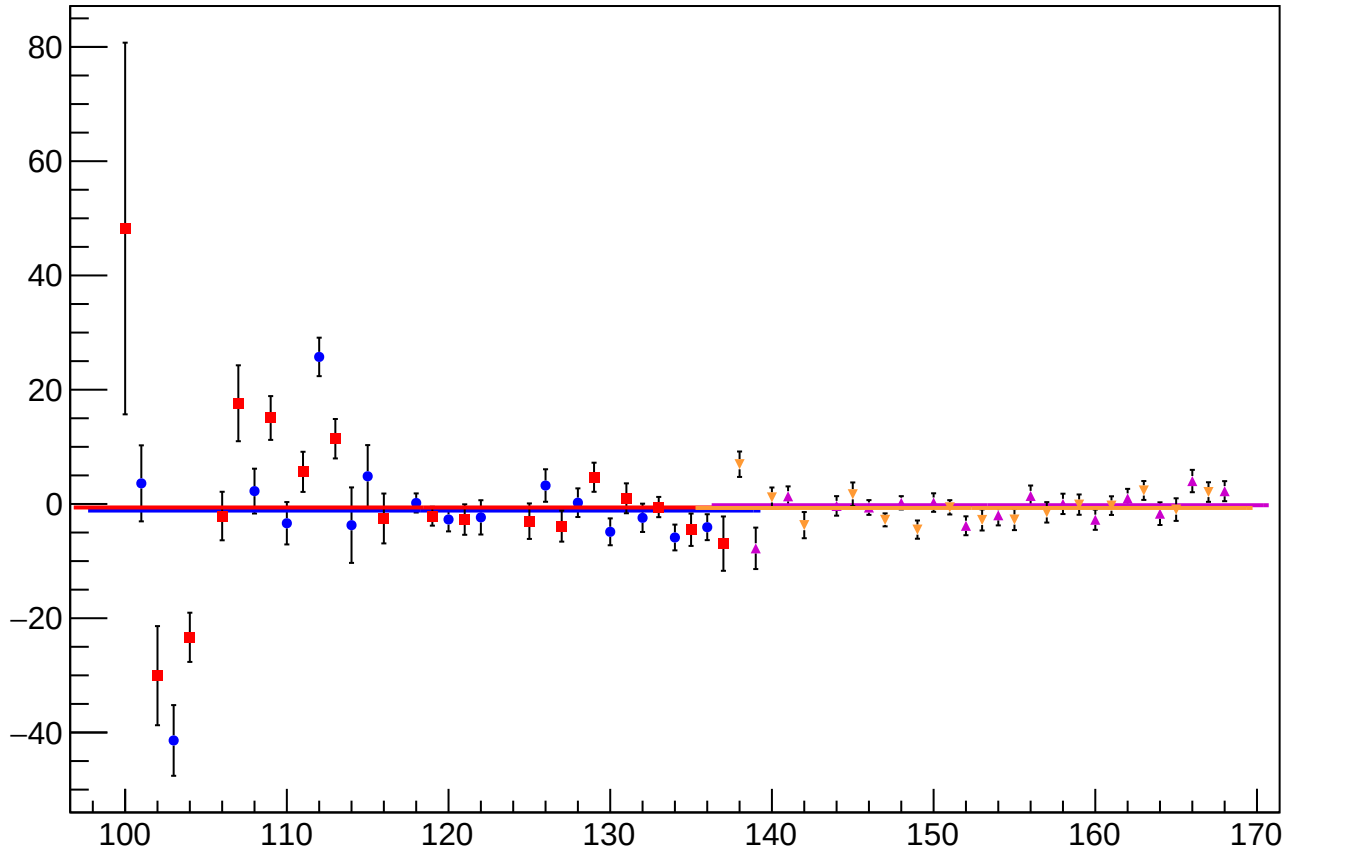
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 7.651+/-0.615 χ^2/NDF:83.4/14

+ sign 13.094+/-0.463 χ^2/NDF: 1336.8/30

All: 12.164+/-0.325 χ^2/NDF: 3278.8/63

- sign 11.260+/-0.457 χ^2/NDF: 1934.0/32



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.699+/-0.434 χ^2/NDF:34.0/14

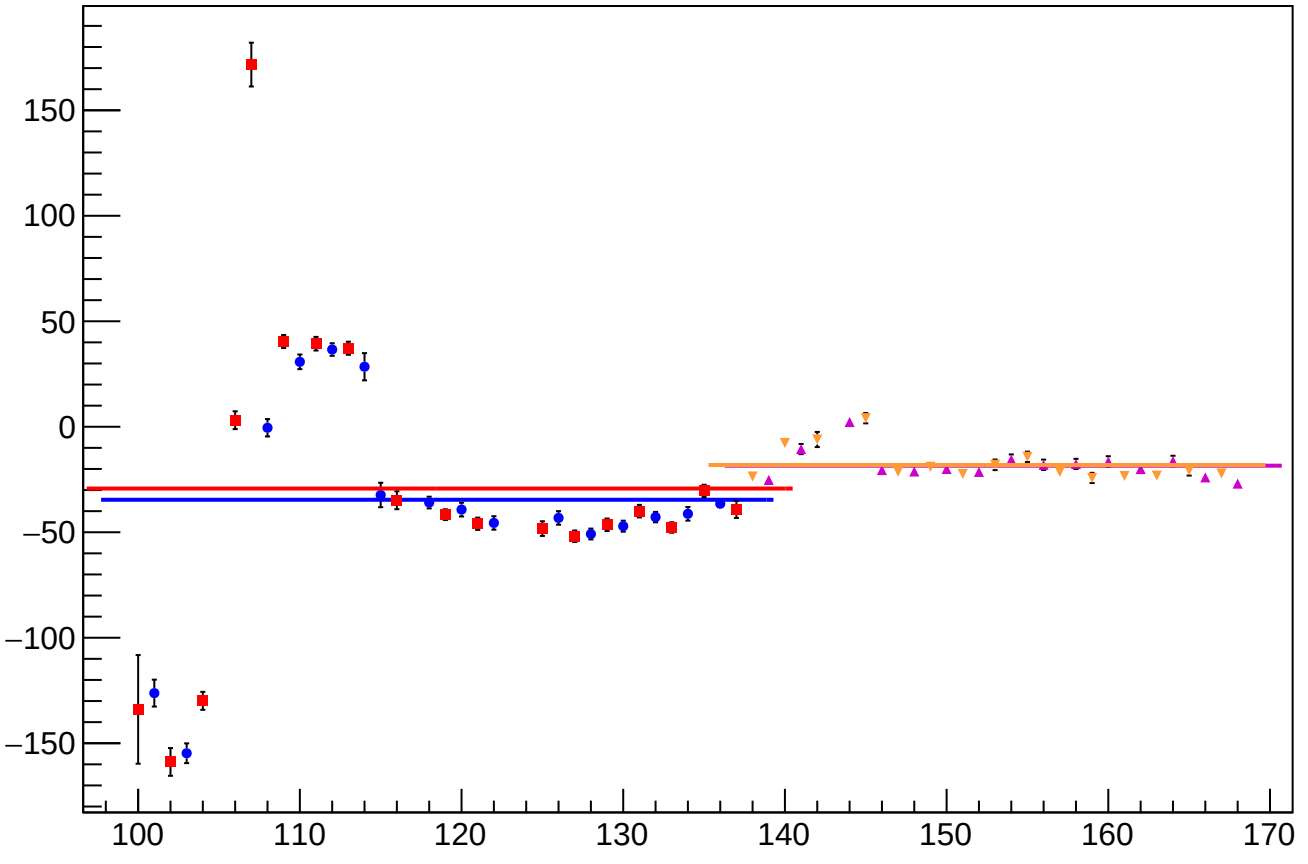
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.220+/-0.435 χ^2/NDF:21.7/14

+ sign -0.824+/-0.369 χ^2/NDF: 156.1/30

All: -0.577+/-0.262 χ^2/NDF: 272.4/63

- sign -0.327+/-0.371 χ^2/NDF: 115.3/32



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -18.128+/-0.611 χ^2/NDF:155.1/14

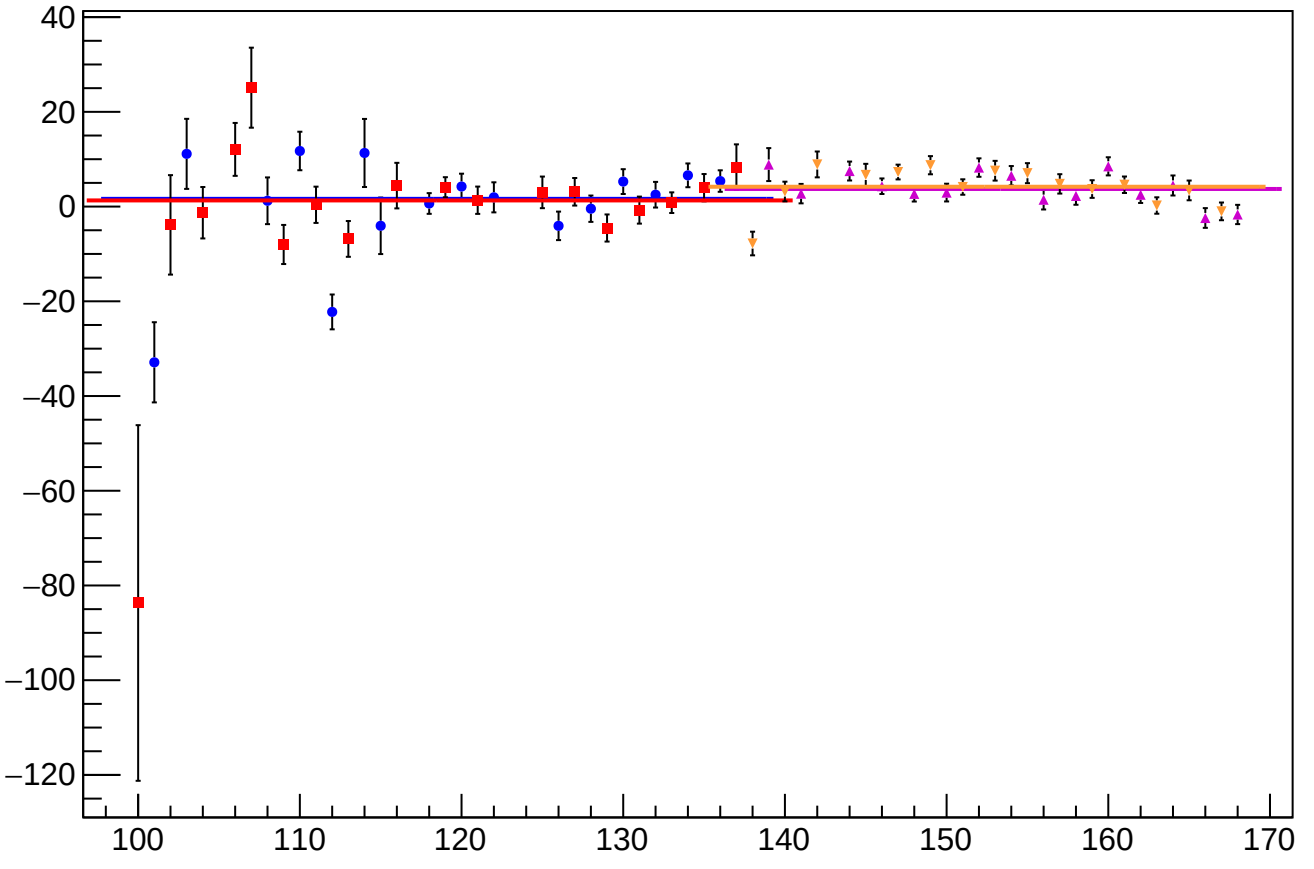
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -18.446+/-0.598 χ^2/NDF:125.0/14

\+ sign -24.327+/-0.482 χ^2/NDF: 2487.3/30

All: -23.321+/-0.340 χ^2/NDF: 5819.6/63

\- sign -22.329+/-0.479 χ^2/NDF: 3323.7/32



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.186+/-0.504 χ^2/NDF:54.8/14

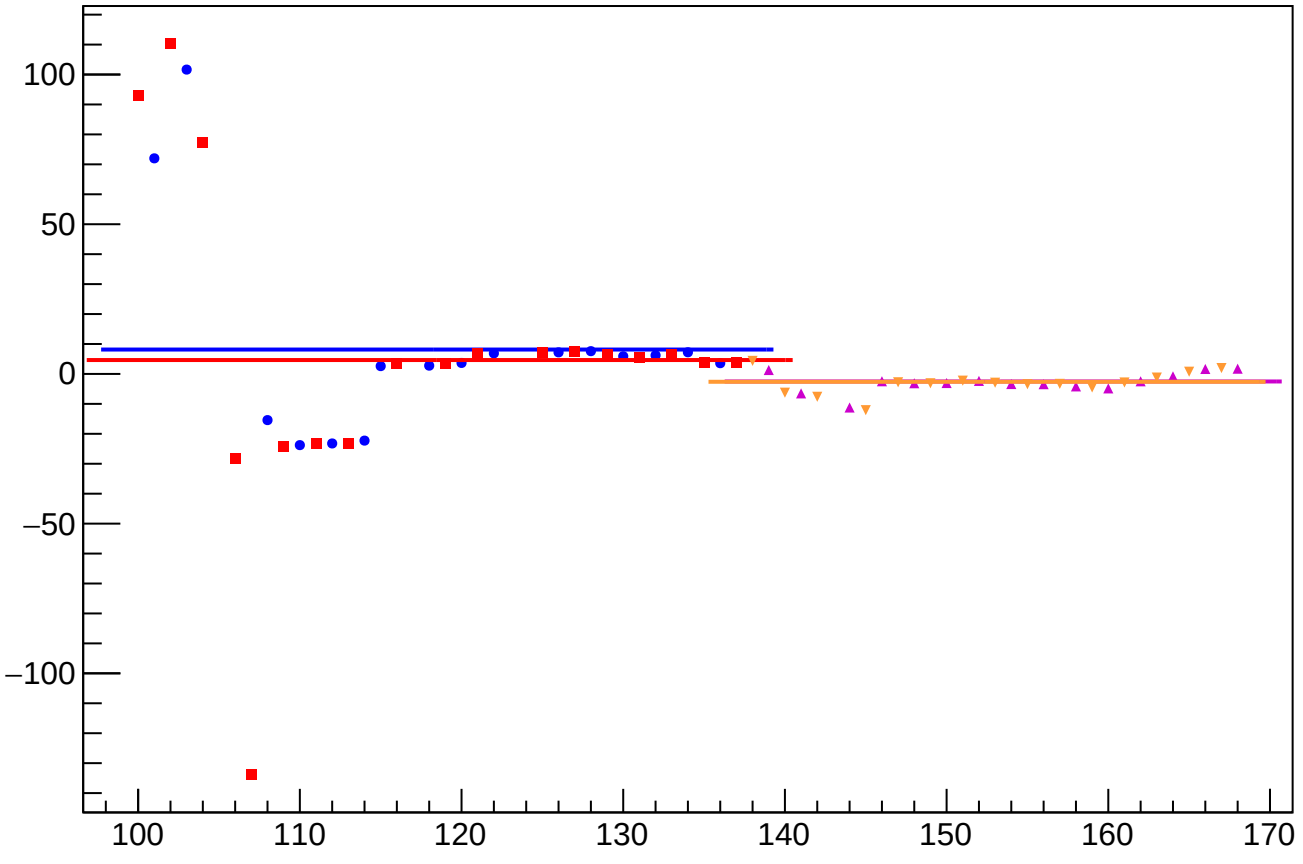
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 3.718+/-0.504 χ^2/NDF:38.3/14

+ sign 3.455+/-0.426 χ^2/NDF: 145.4/30

All: 3.254+/-0.302 χ^2/NDF: 228.0/63

- sign 3.050+/-0.429 χ^2/NDF: 82.2/32



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -2.622+/-0.023 χ^2/NDF:24693.4/14

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -2.518+/-0.022 χ^2/NDF:17809.2/14

+ sign -0.653+/-0.021 χ^2/NDF: 378537.1/30

All: -1.027+/-0.015 χ^2/NDF: 859958.9/63

- sign -1.394+/-0.020 χ^2/NDF: 480773.8/32

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug

Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -24.000+/-0.572 χ^2/NDF:227.8/14

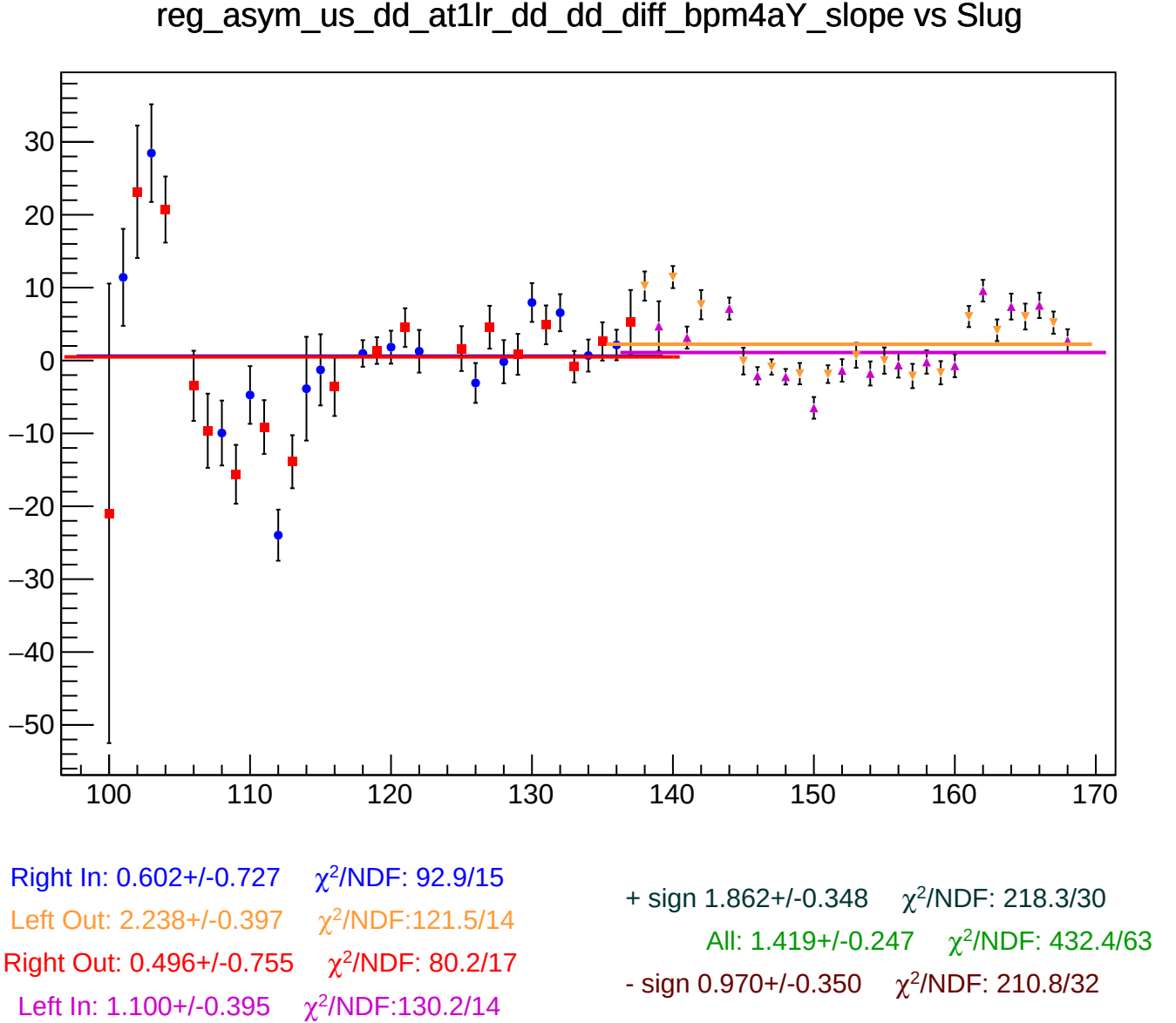
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

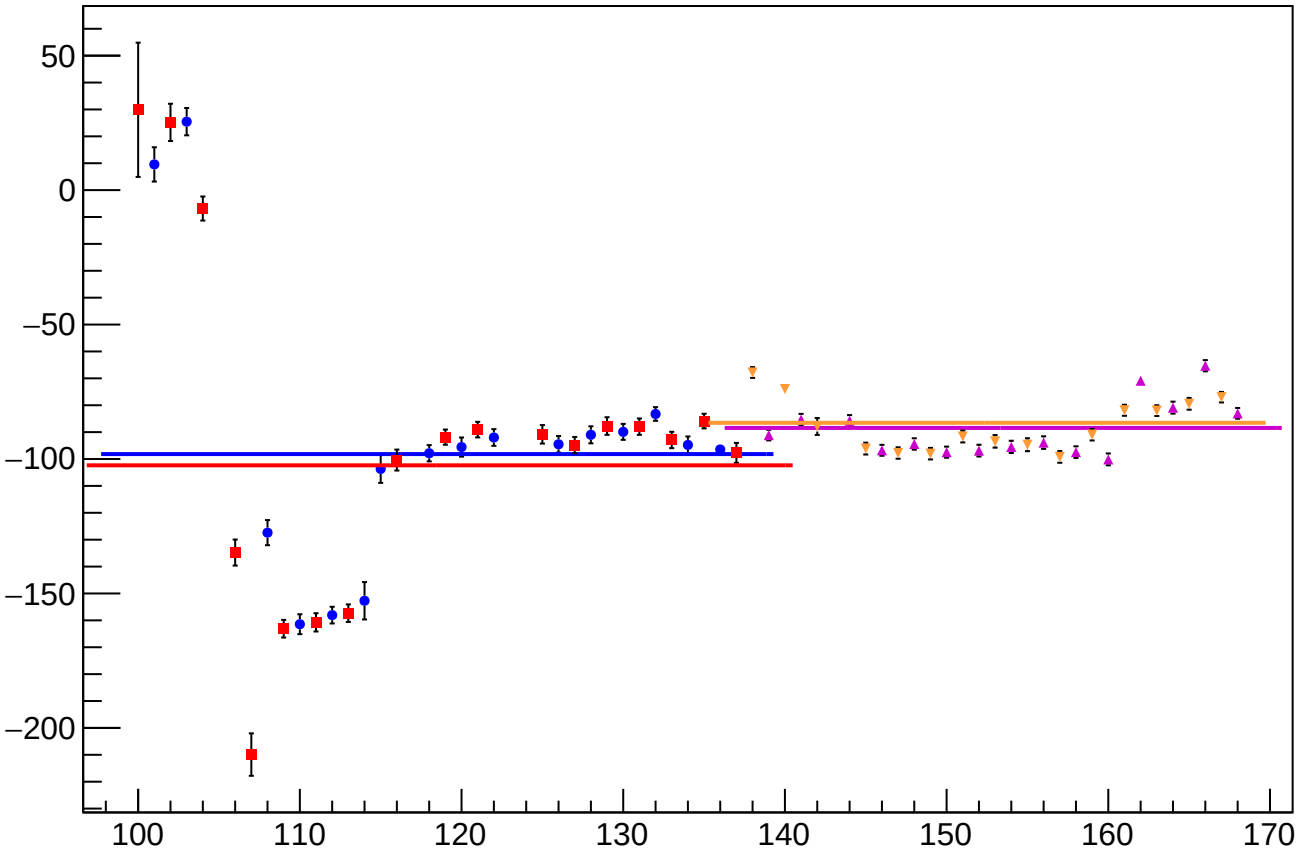
Left In: -21.922+/-0.559 χ^2/NDF:293.8/14

\+ sign -16.407+/-0.446 χ^2/NDF: 1724.1/30

All: -15.052+/-0.313 χ^2/NDF: 4054.6/63

\- sign -13.734+/-0.440 χ^2/NDF: 2312.3/32


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
Right In: 0.602+/-0.727 χ²/NDF: 92.9/15
Left Out: 2.238+/-0.397 χ²/NDF:121.5/14
Right Out: 0.496+/-0.755 χ²/NDF: 80.2/17
Left In: 1.100+/-0.395 χ²/NDF:130.2/14
+ sign 1.862+/-0.348 χ²/NDF: 218.3/30
All: 1.419+/-0.247 χ²/NDF: 432.4/63
- sign 0.970+/-0.350 χ²/NDF: 210.8/32



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -86.529+/-0.557 χ^2/NDF:315.8/14

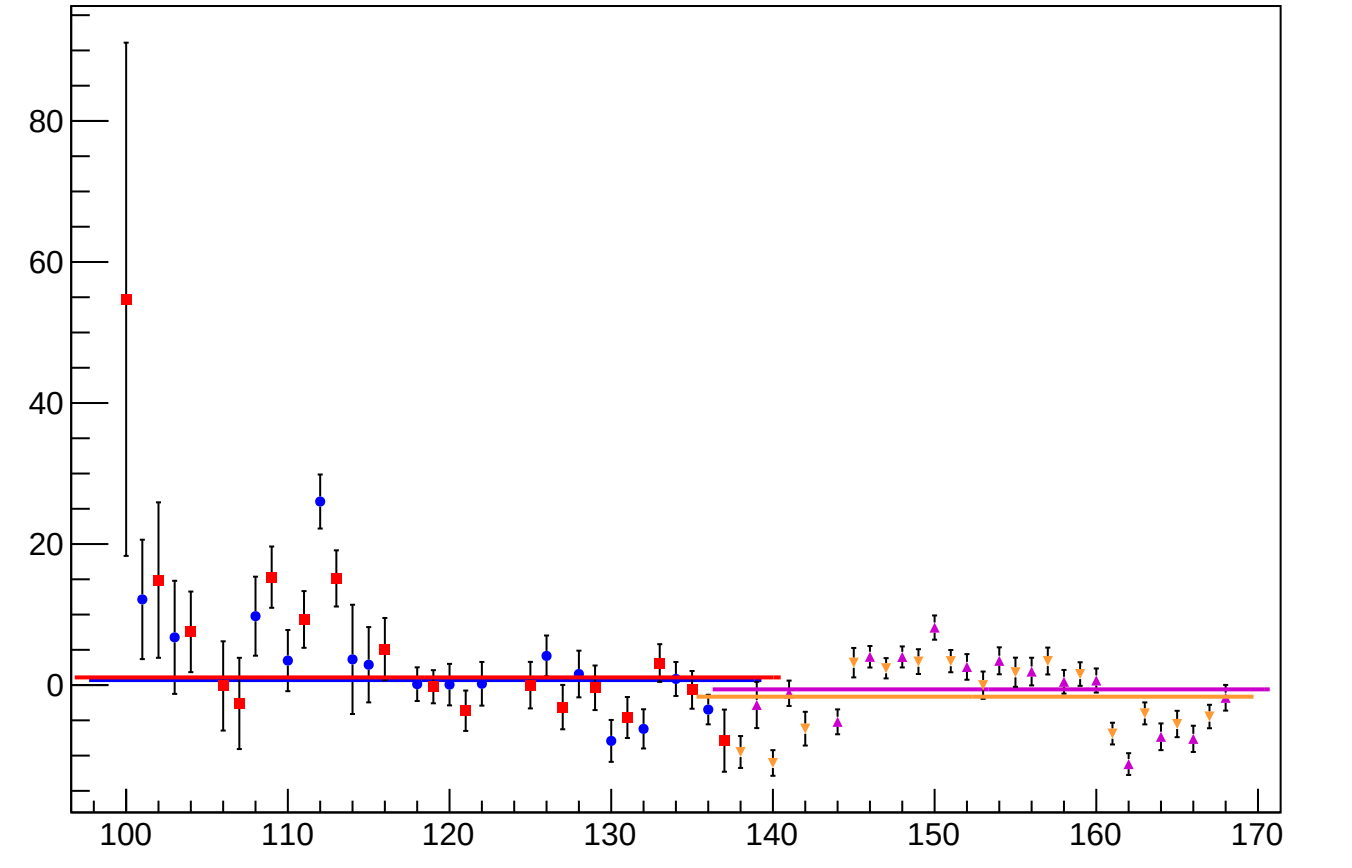
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -88.439+/-0.544 χ^2/NDF:355.7/14

+ sign -90.249+/-0.459 χ^2/NDF: 2155.3/30

All: -91.419+/-0.324 χ^2/NDF: 4835.6/63

- sign -92.572+/-0.456 χ^2/NDF: 2667.4/32



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -1.646+/-0.460 χ^2/NDF:109.0/14

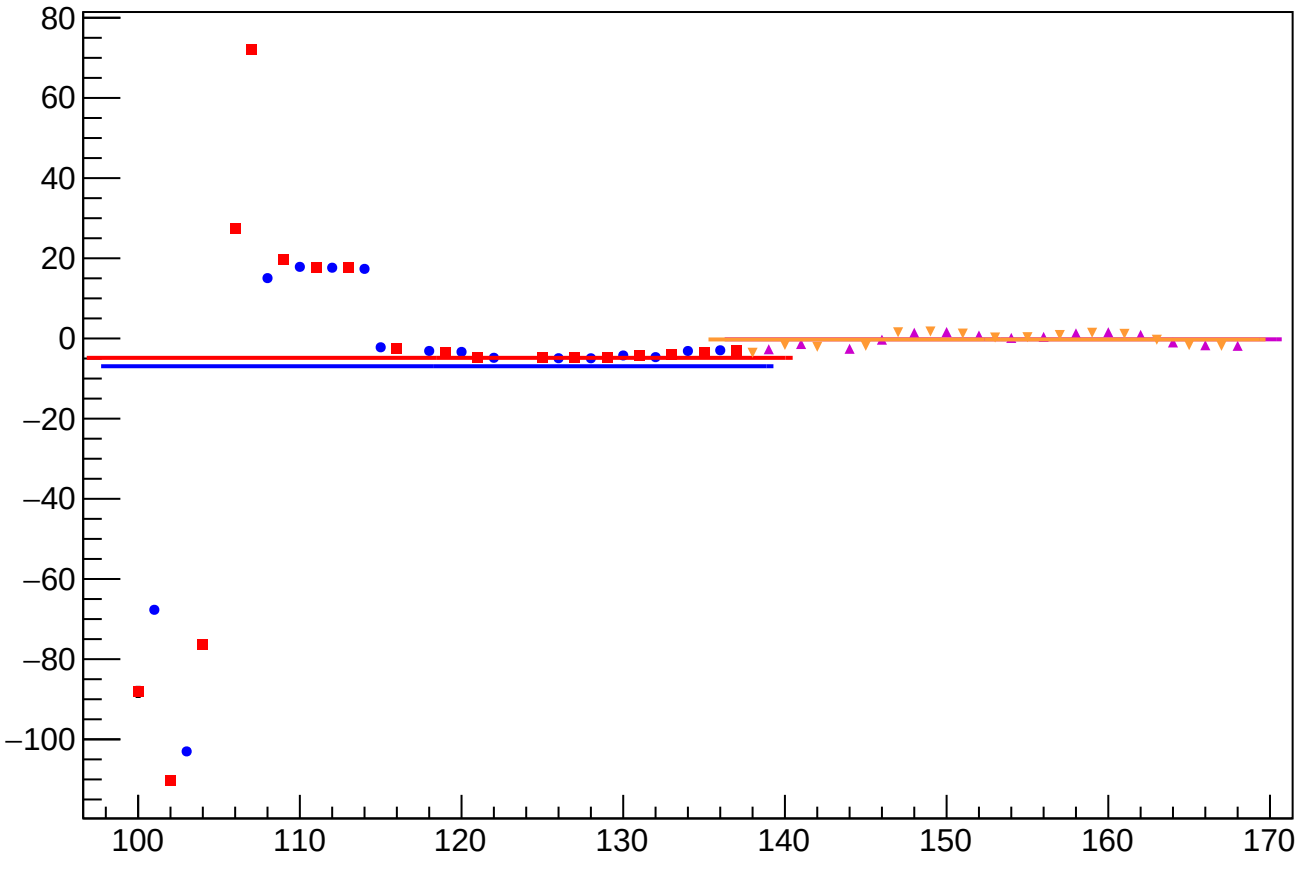
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -0.606+/-0.458 χ^2/NDF:136.5/14

\+ sign -1.083+/-0.401 χ^2/NDF: 184.9/30

All: -0.659+/-0.285 χ^2/NDF: 374.3/63

\- sign -0.229+/-0.404 χ^2/NDF: 187.2/32



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.246+/-0.021 χ^2/NDF:5686.5/14

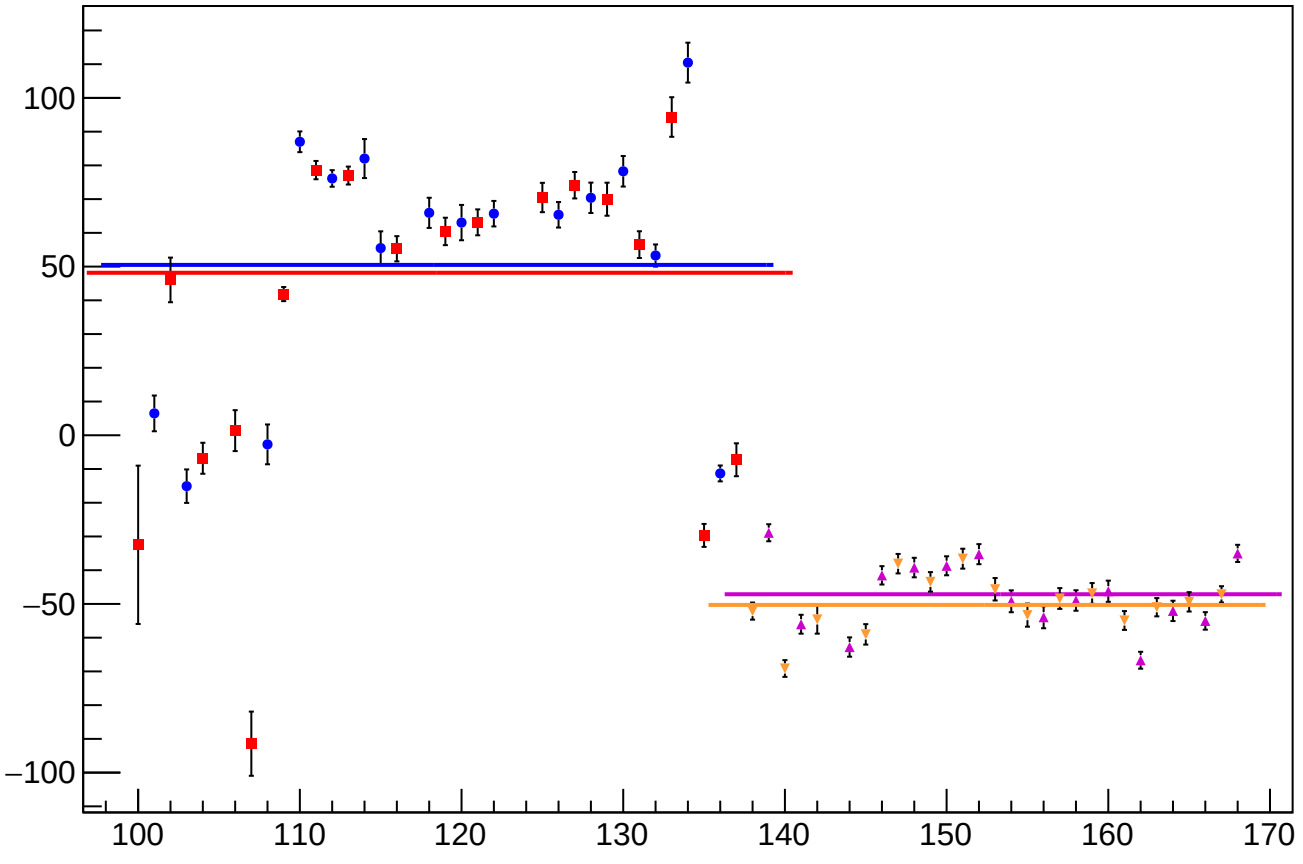
Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.211+/-0.020 χ^2/NDF:5232.7/14

+ sign -1.293+/-0.019 χ^2/NDF: 286856.4/30

All: -1.048+/-0.014 χ^2/NDF: 638444.2/63

- sign -0.809+/-0.019 χ^2/NDF: 351266.3/32



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -50.290+/-0.749 χ^2/NDF:121.6/14

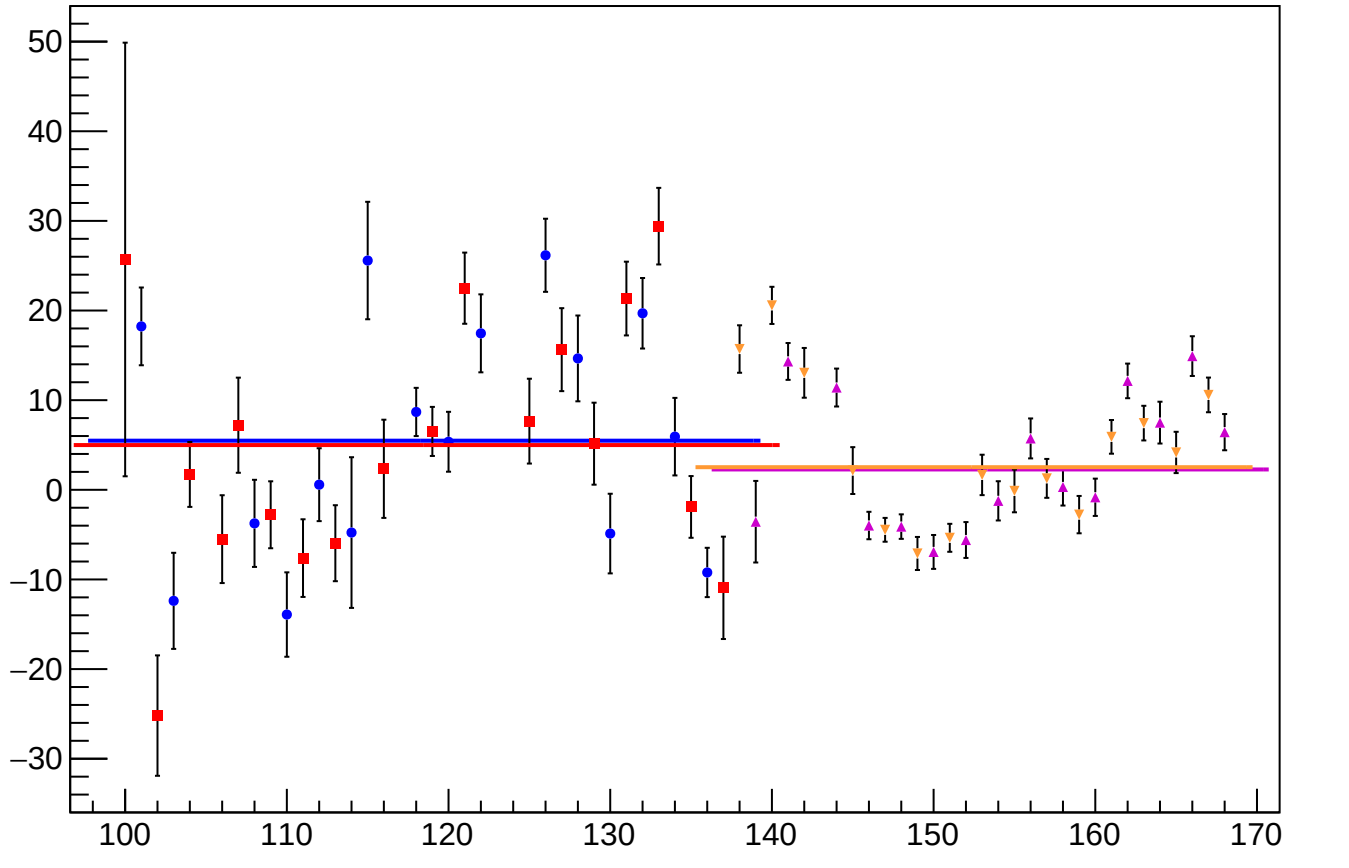
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -47.126+/-0.731 χ^2/NDF:229.5/14

\+ sign -12.408+/-0.592 χ^2/NDF: 8429.8/30

All: -11.138+/-0.411 χ^2/NDF: 16814.5/63

\- sign -9.956+/-0.571 χ^2/NDF: 8375.8/32



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 2.522+/-0.517 χ^2/NDF:231.2/14

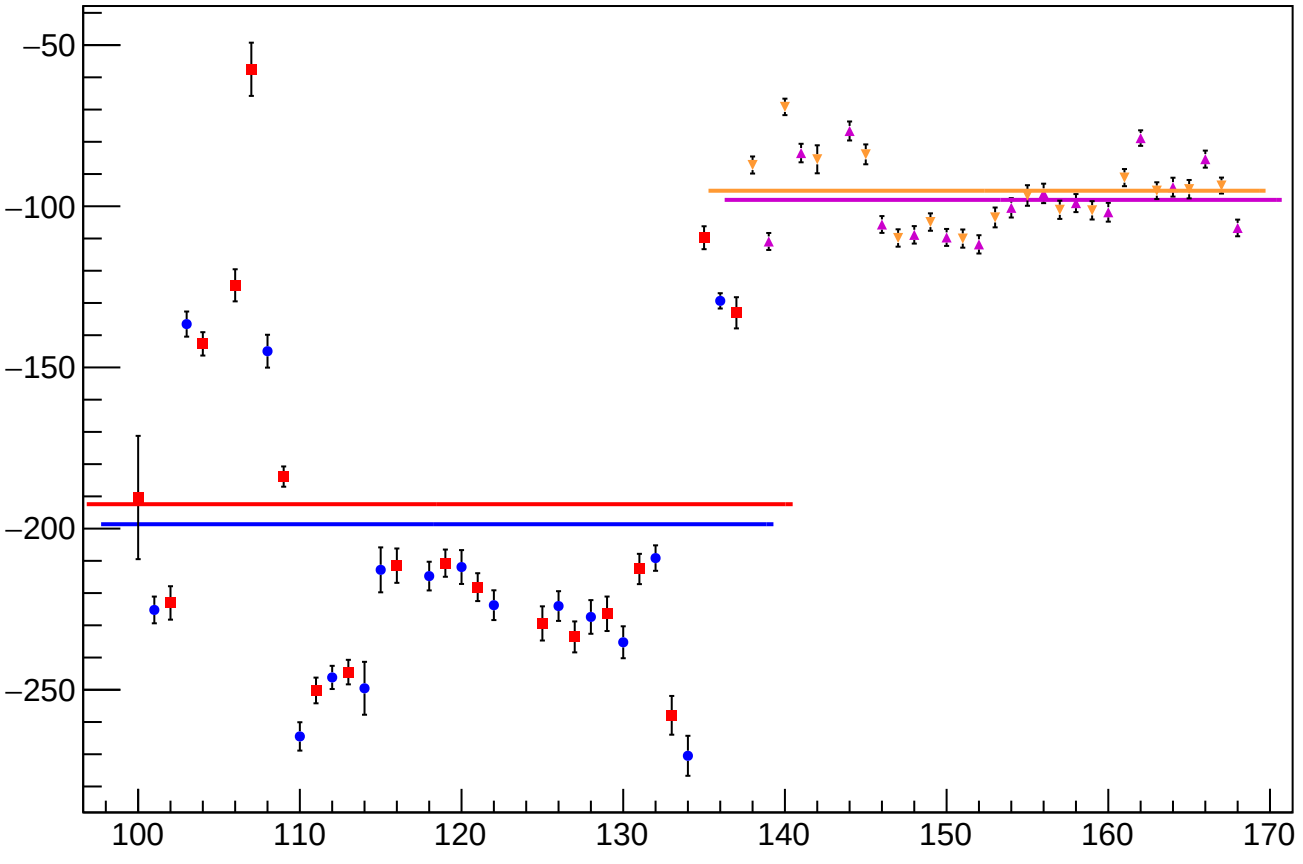
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 2.270+/-0.515 χ^2/NDF:208.3/14

+ sign 3.125+/-0.461 χ^2/NDF: 376.0/30

All: 2.972+/-0.326 χ^2/NDF: 722.1/63

- sign 2.820+/-0.460 χ^2/NDF: 345.8/32



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -95.178+/-0.729 χ^2/NDF:220.9/14

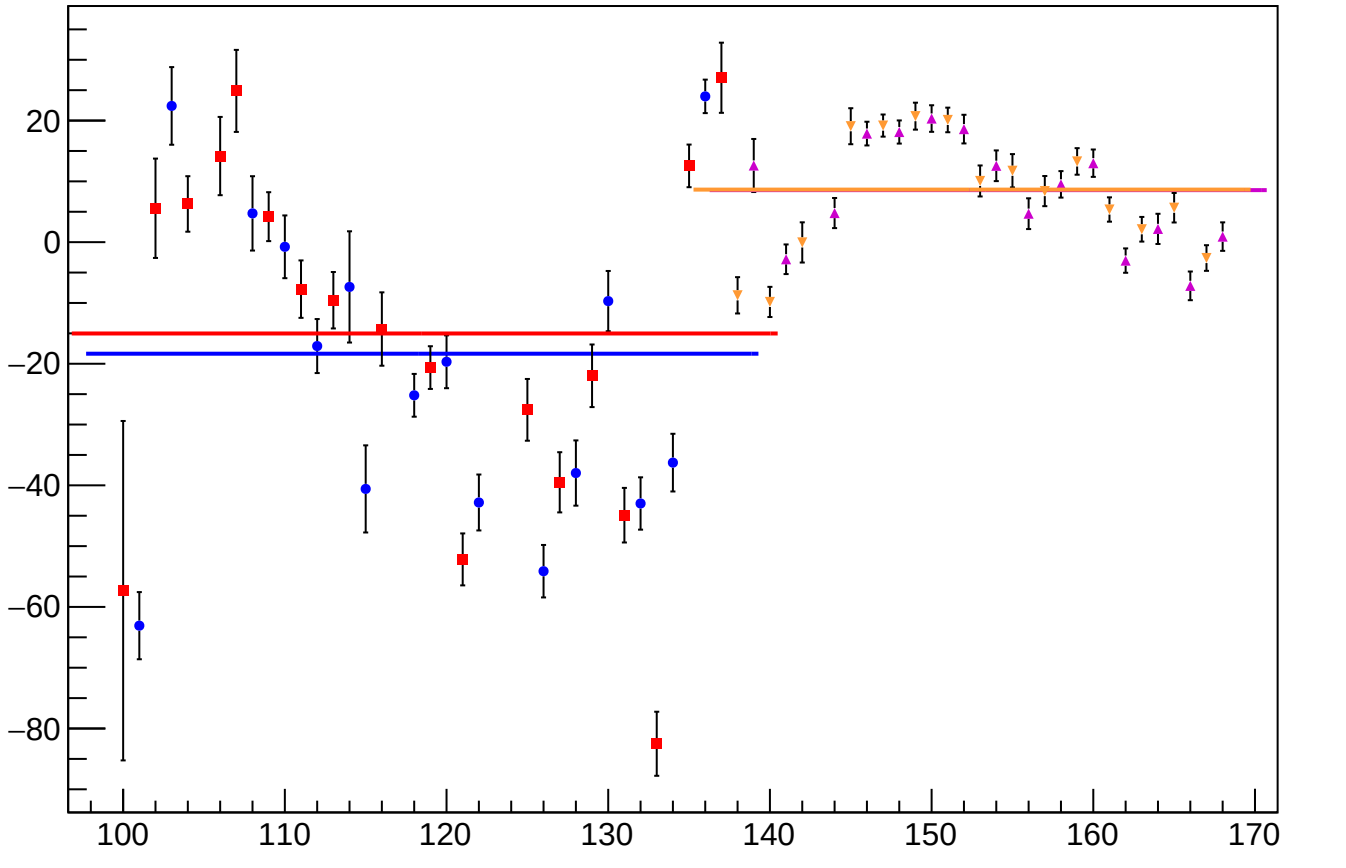
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -98.017+/-0.711 χ^2/NDF:272.5/14

+ sign -127.420+/-0.605 χ^2/NDF: 8501.2/30

All: -126.979+/-0.424 χ^2/NDF: 16248.1/63

- sign -126.554+/-0.594 χ^2/NDF: 7745.9/32



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 8.645+/-0.600 χ^2/NDF:253.0/14

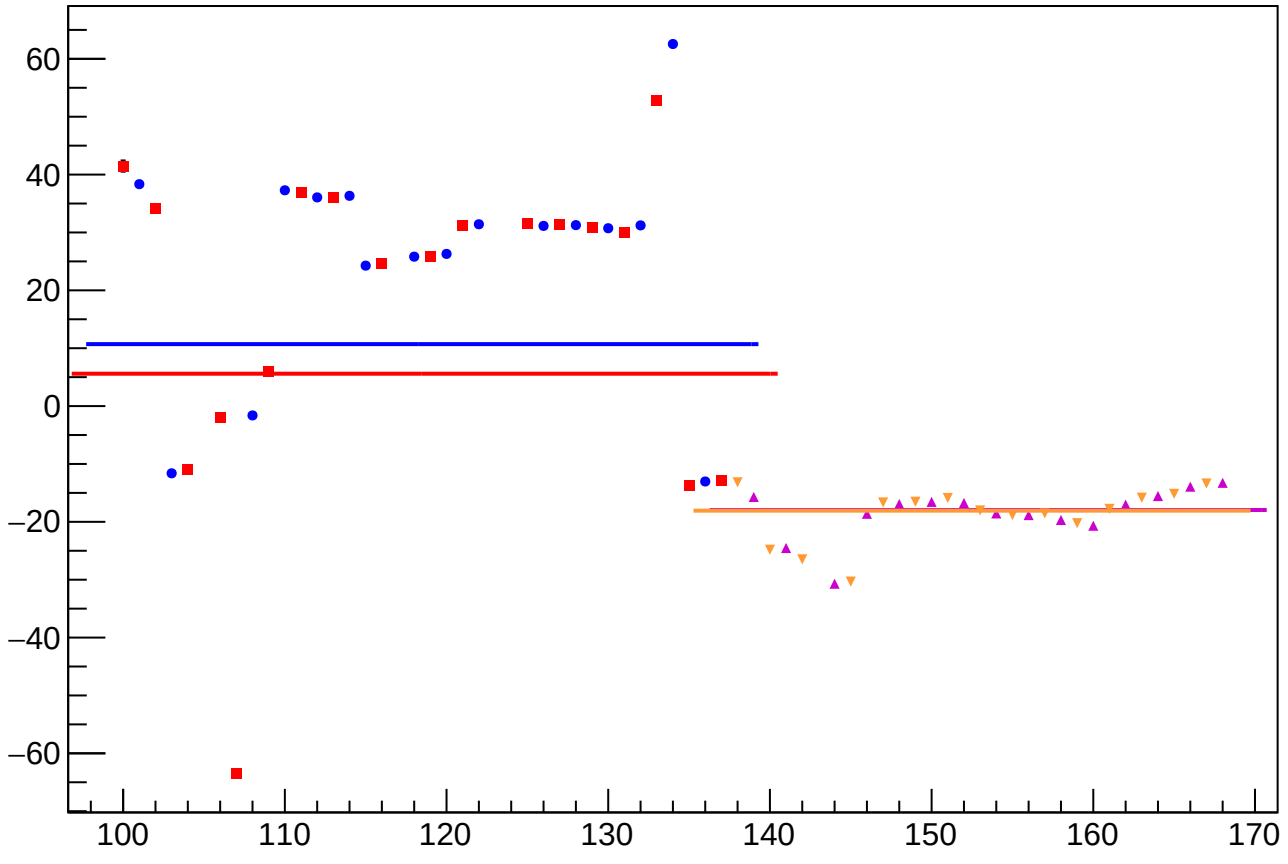
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 8.559+/-0.597 χ^2/NDF:224.2/14

+ sign 2.940+/-0.533 χ^2/NDF: 1224.4/30

All: 3.288+/-0.376 χ^2/NDF: 2321.8/63

- sign 3.633+/-0.531 χ^2/NDF: 1096.6/32



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -18.071+/-0.027 χ^2/NDF:23472.4/14

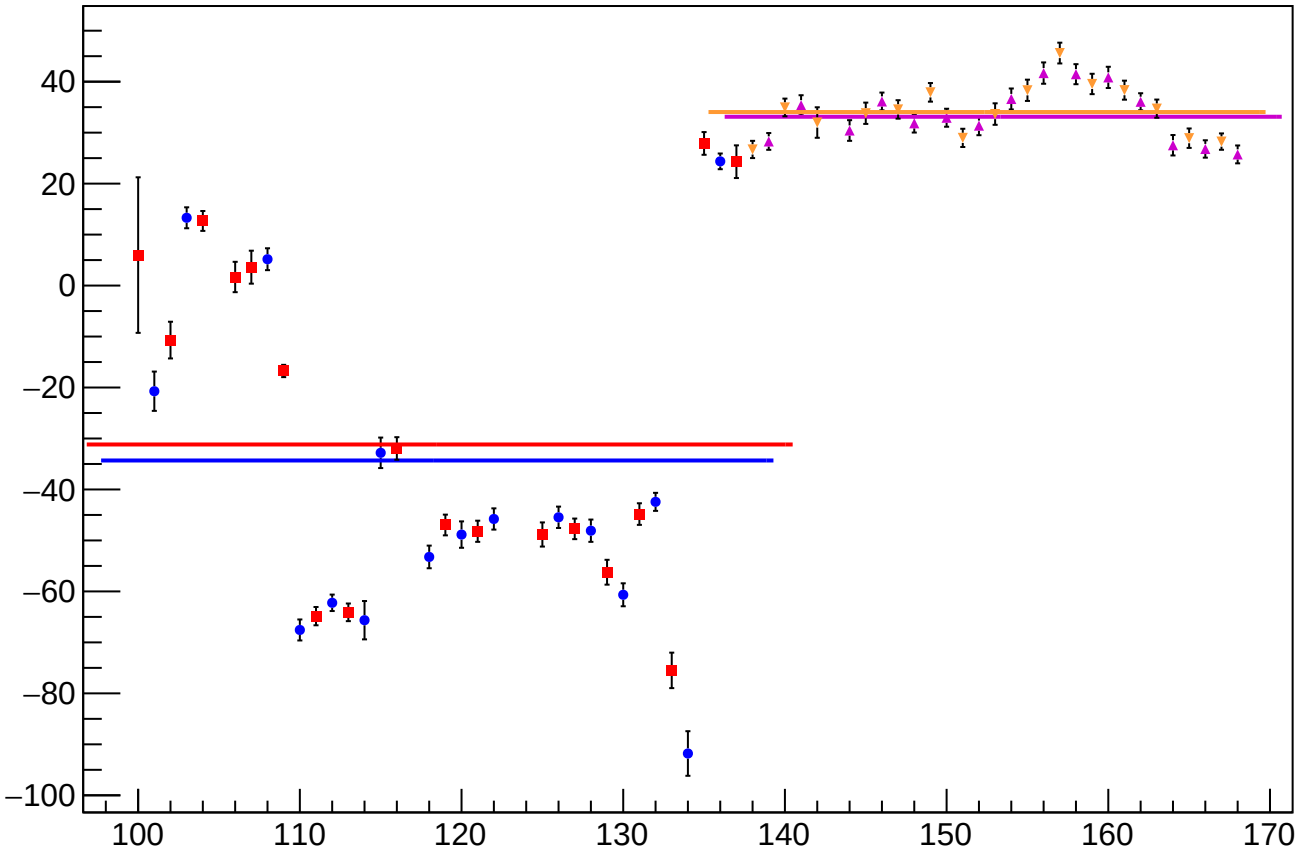
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -17.954+/-0.027 χ^2/NDF:19458.7/14

+ sign -13.491+/-0.025 χ^2/NDF: 364288.8/30

All: -13.987+/-0.018 χ^2/NDF: 656170.0/63

- sign -14.459+/-0.025 χ^2/NDF: 291119.2/32



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 34.044+/-0.491 χ^2/NDF:102.0/14

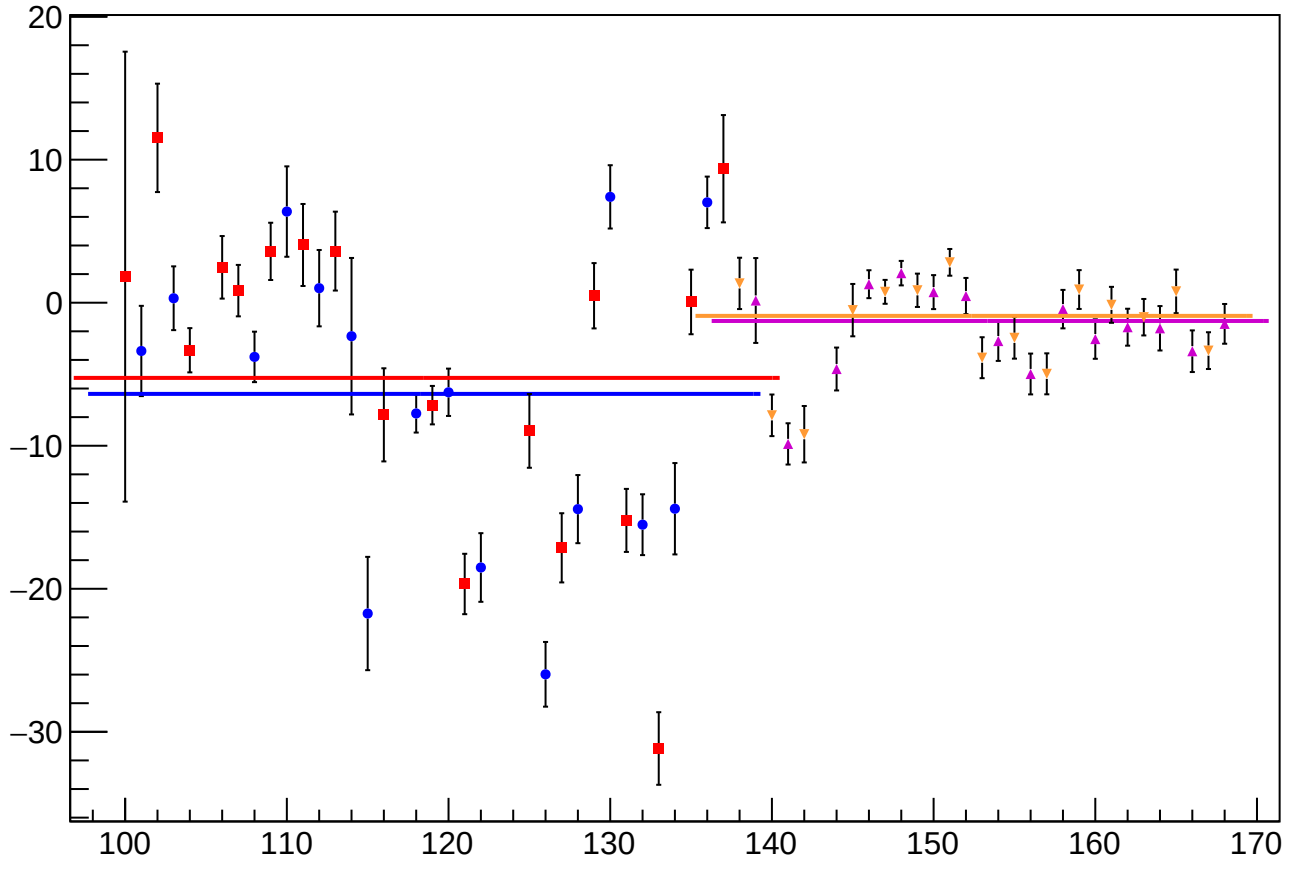
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 33.117+/-0.480 χ^2/NDF:109.9/14

+ sign 3.603+/-0.366 χ^2/NDF: 12240.5/30

All: 3.434+/-0.253 χ^2/NDF: 23878.9/63

- sign 3.278+/-0.351 χ^2/NDF: 11637.9/32



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.920+/-0.335 χ^2/NDF:84.9/14

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

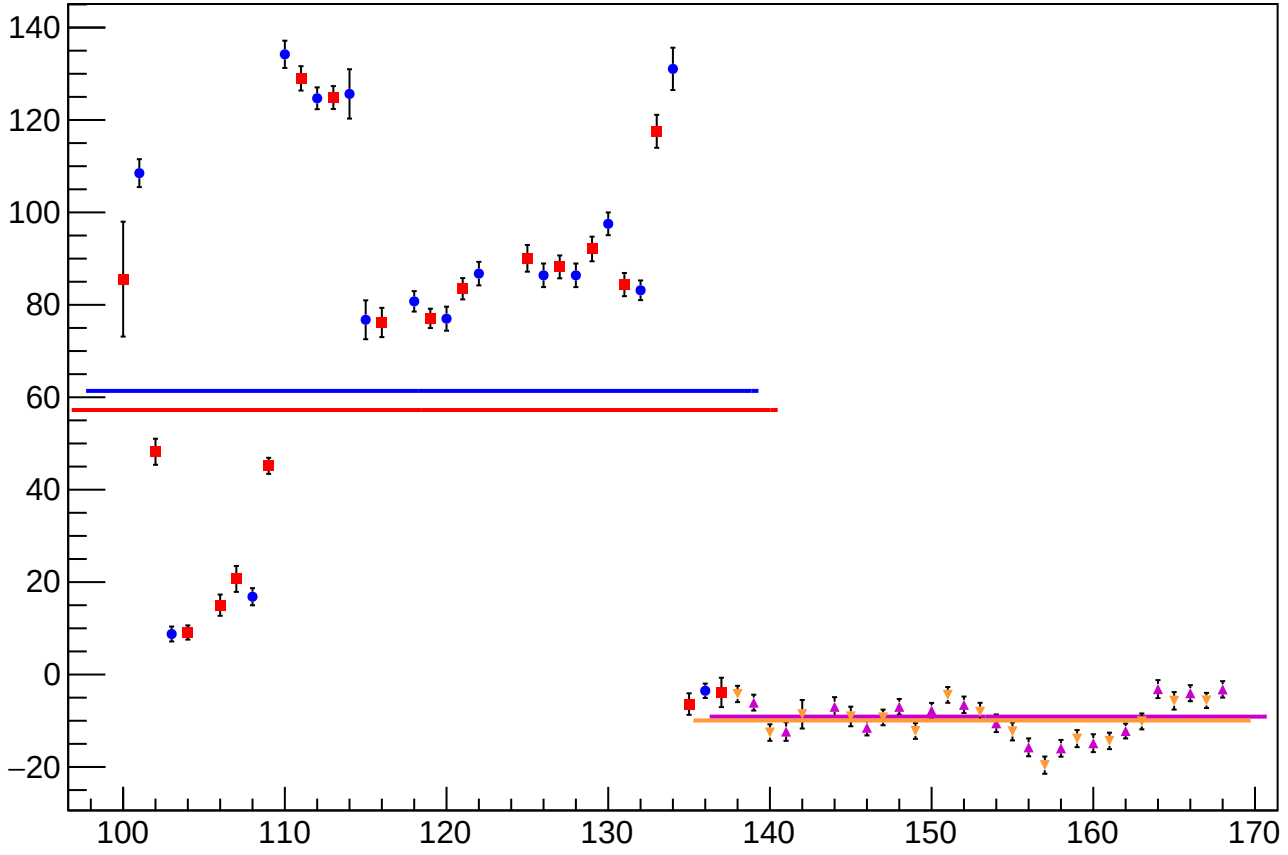
Left In: -1.277+/-0.336 χ^2/NDF:79.1/14

+ sign -2.381+/-0.286 χ^2/NDF: 439.6/30

All: -2.394+/-0.202 χ^2/NDF: 871.6/63

- sign -2.408+/-0.284 χ^2/NDF: 432.0/32

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -9.943+/-0.476 χ^2/NDF:77.3/14

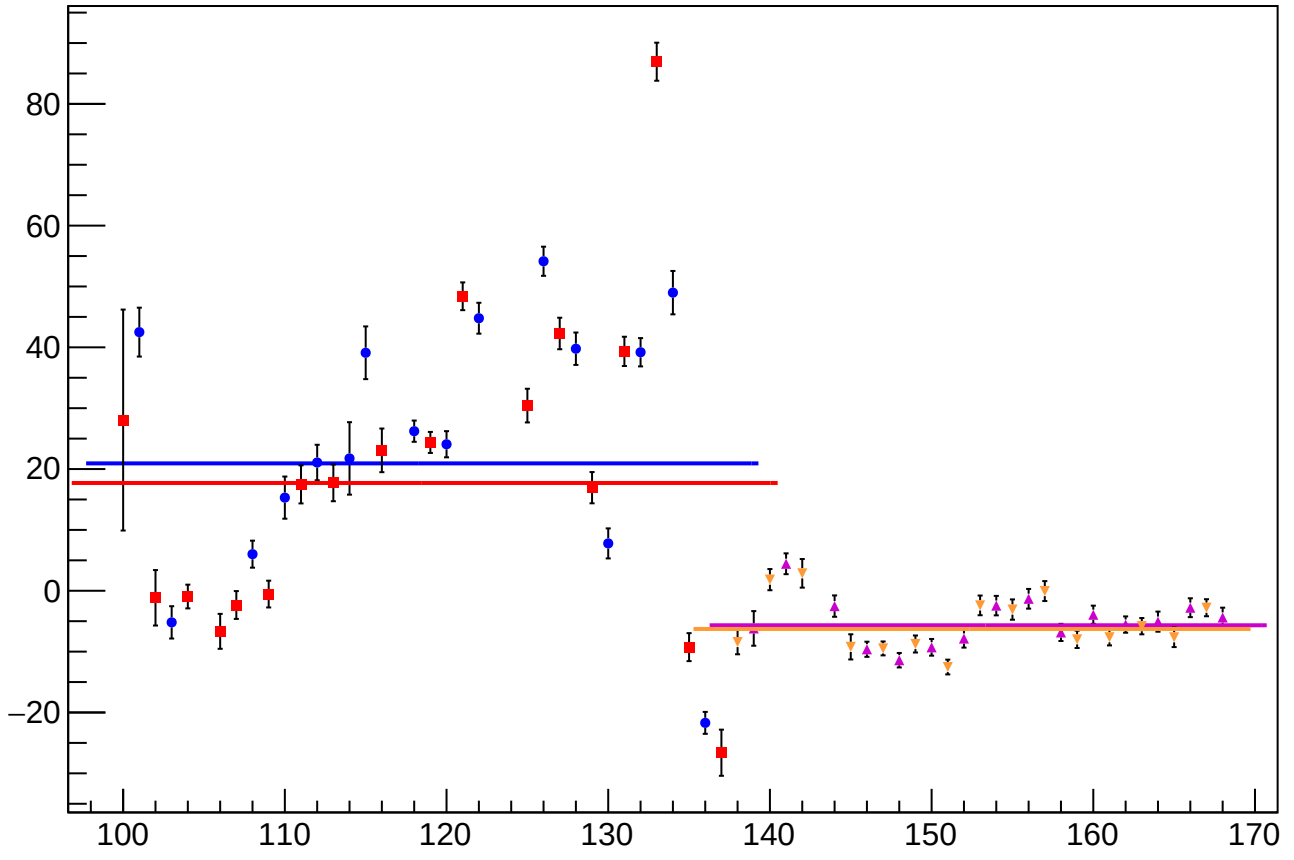
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -9.108+/-0.466 χ^2/NDF:81.2/14

+ sign 17.948+/-0.372 χ^2/NDF: 14913.4/30

All: 17.400+/-0.260 χ^2/NDF: 28221.7/63

- sign 16.878+/-0.363 χ^2/NDF: 13304.1/32



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -6.275+/-0.390 χ^2/NDF:110.8/14

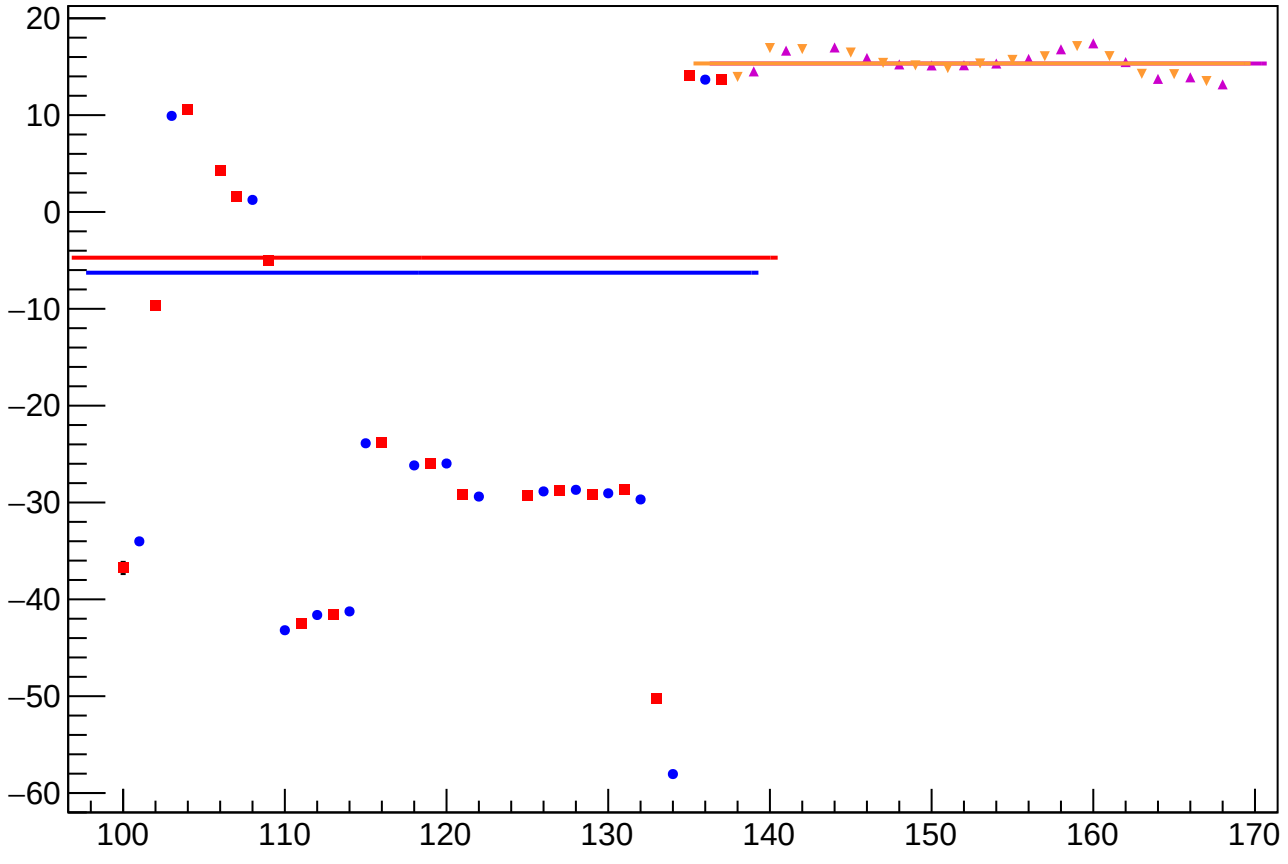
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -5.670+/-0.390 χ^2/NDF:98.2/14

+ sign 1.095+/-0.333 χ^2/NDF: 2673.2/30

All: 1.042+/-0.234 χ^2/NDF: 5276.6/63

- sign 0.991+/-0.330 χ^2/NDF: 2603.3/32



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.336+/-0.018 χ^2/NDF:3755.4/14

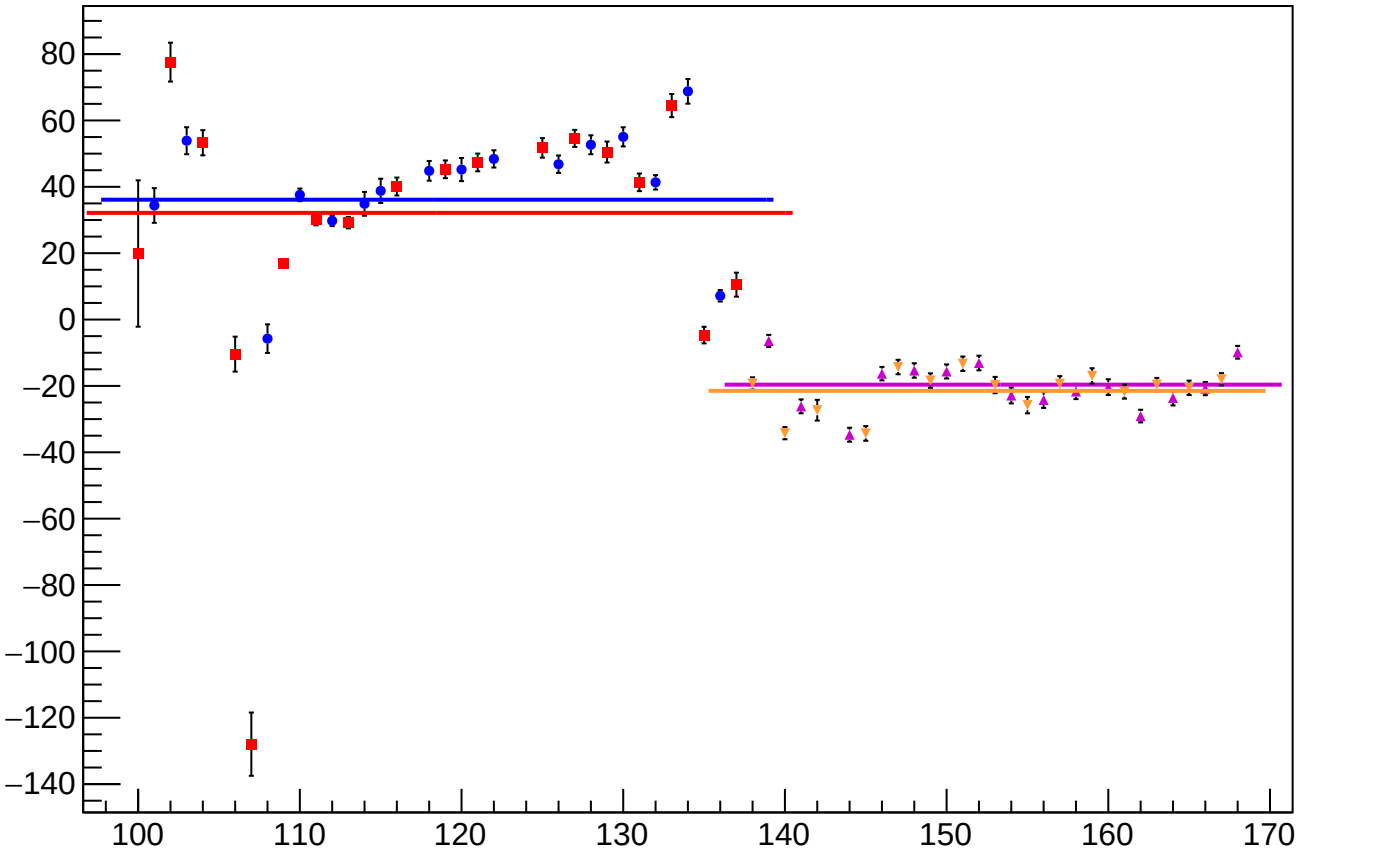
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.329+/-0.017 χ^2/NDF:4495.6/14

+ sign 10.540+/-0.016 χ^2/NDF: 739512.1/30

All: 10.834+/-0.011 χ^2/NDF: 1331118.9/63

- sign 11.117+/-0.015 χ^2/NDF: 590923.8/32



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -21.485+/-0.560 χ^2/NDF:125.5/14

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

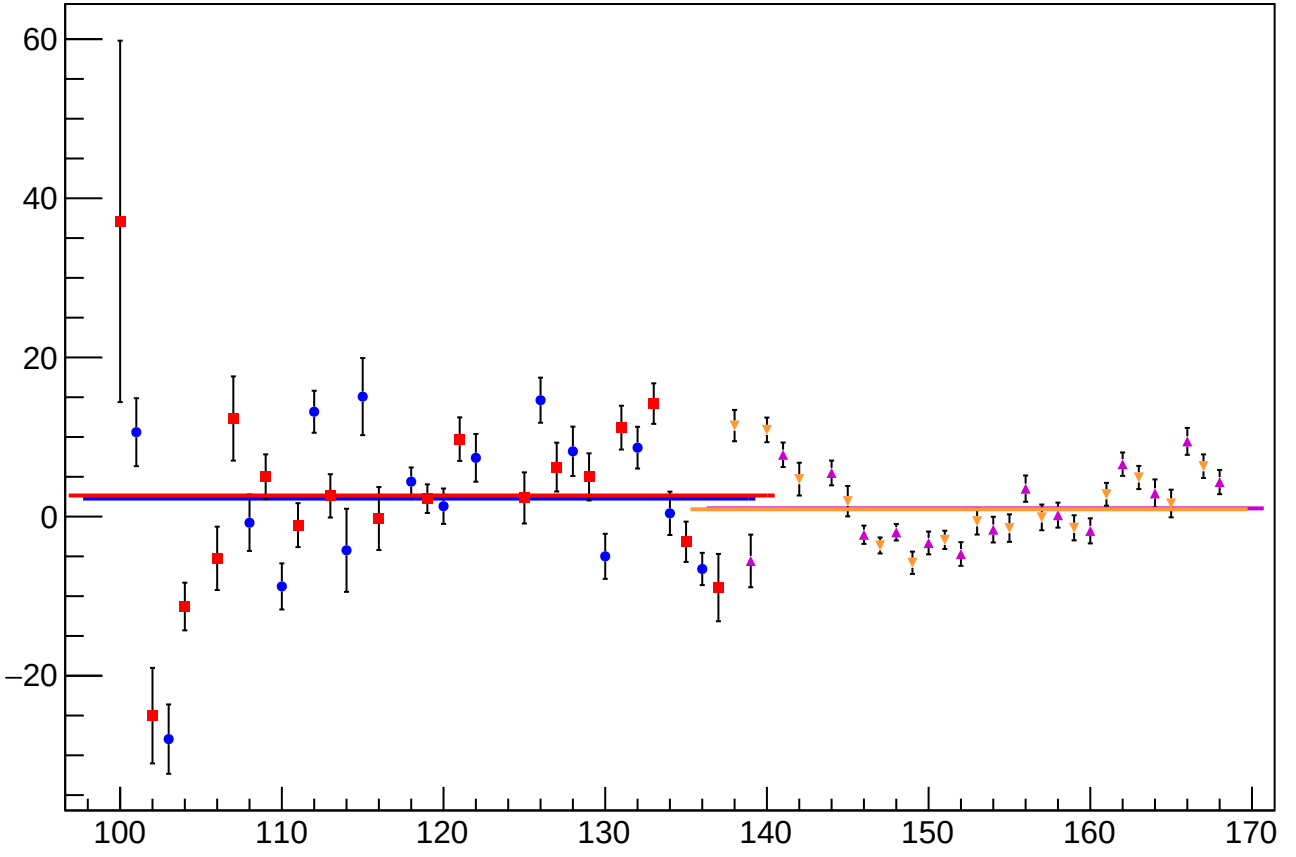
Left In: -19.621+/-0.548 χ^2/NDF:191.6/14

+ sign 2.797+/-0.426 χ^2/NDF: 5202.7/30

All: 2.717+/-0.297 χ^2/NDF: 10350.7/63

- sign 2.641+/-0.414 χ^2/NDF: 5147.8/32

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 0.925+/-0.387 χ^2/NDF:156.5/14

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

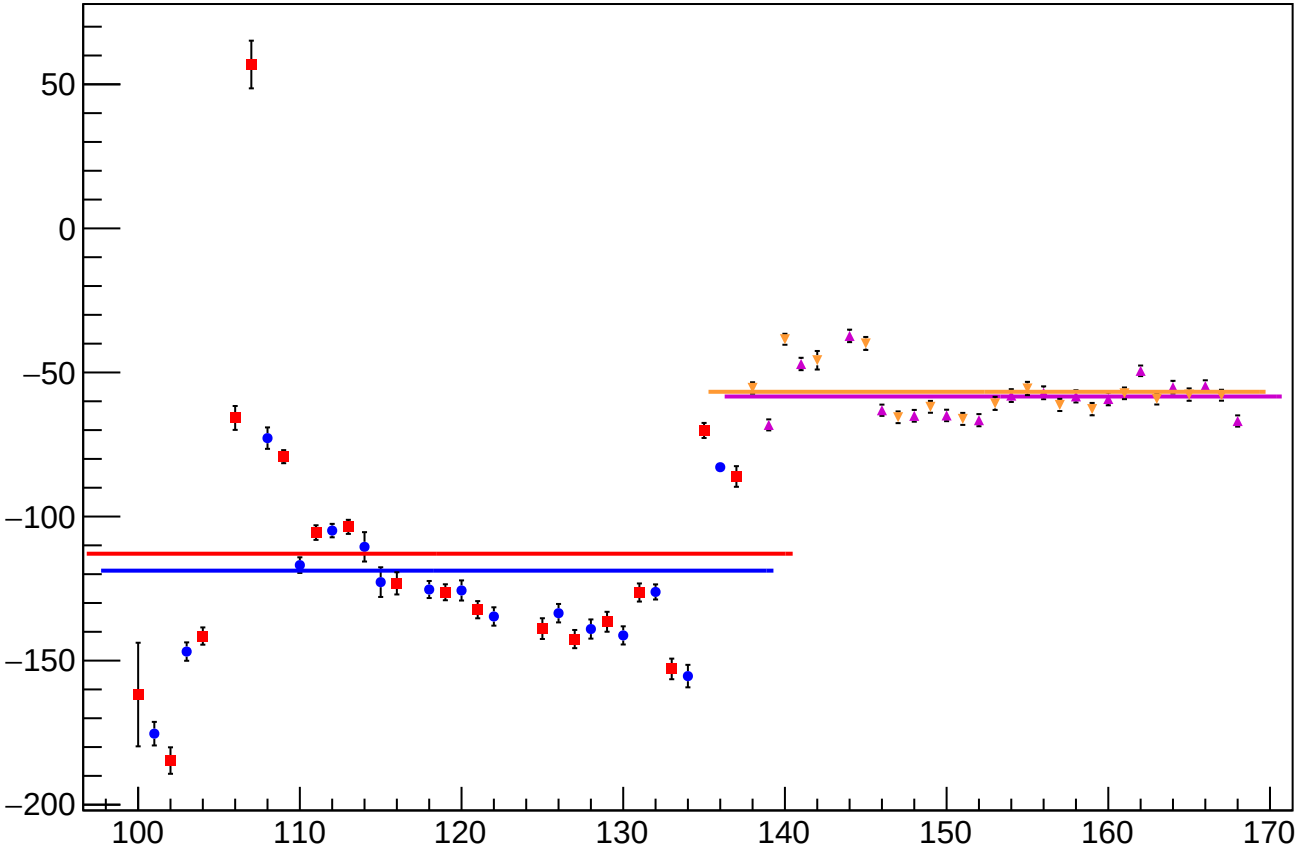
Left In: 1.029+/-0.387 χ^2/NDF:125.5/14

+ sign 1.238+/-0.339 χ^2/NDF: 311.3/30

All: 1.317+/-0.240 χ^2/NDF: 548.1/63

- sign 1.396+/-0.340 χ^2/NDF: 236.7/32

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: -56.706+/-0.545 χ^2/NDF:223.1/14

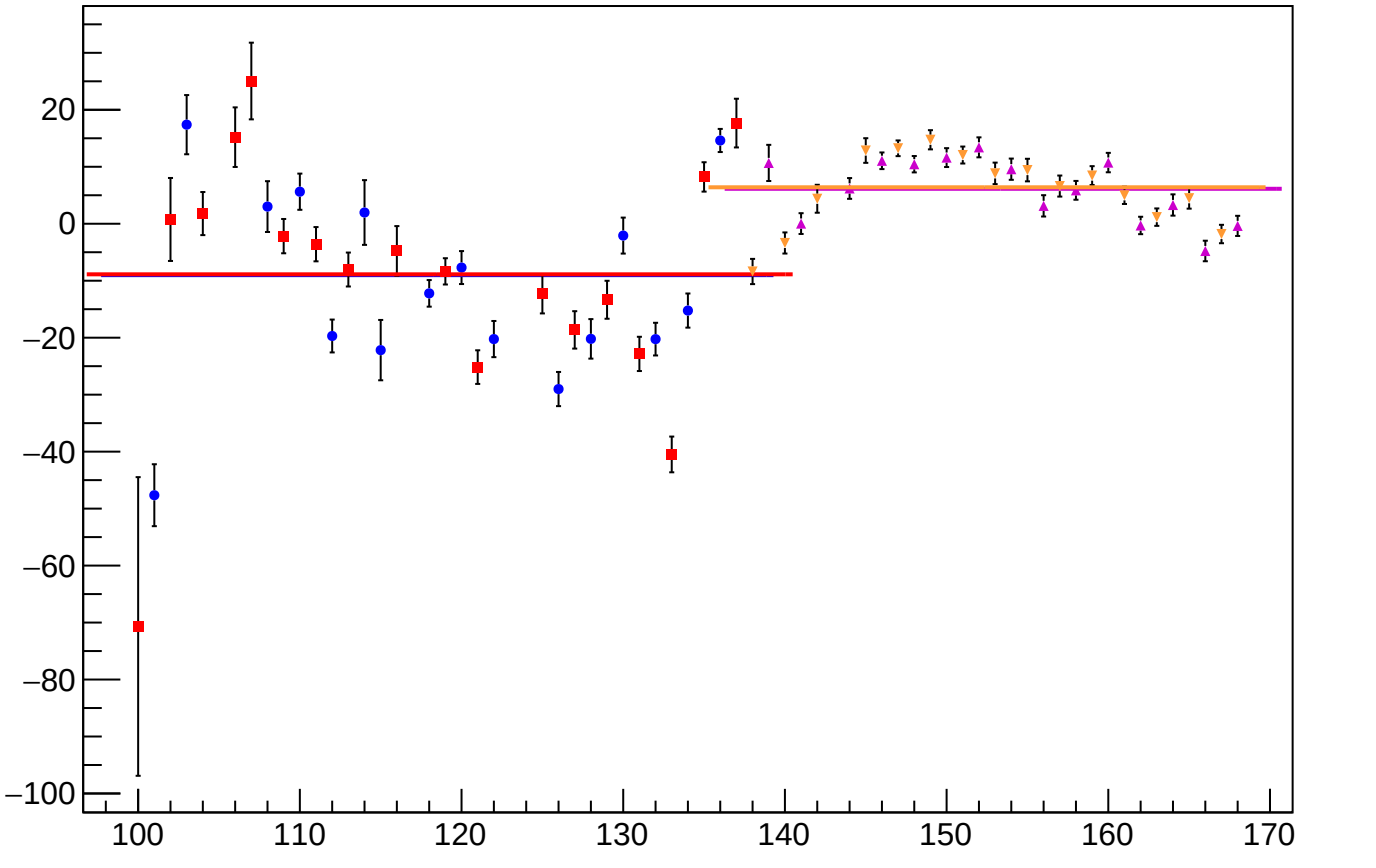
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -58.343+/-0.533 χ^2/NDF:239.6/14

+ sign -77.922+/-0.442 χ^2/NDF: 5770.1/30

All: -77.091+/-0.311 χ^2/NDF: 11329.5/63

- sign -76.282+/-0.436 χ^2/NDF: 5552.4/32



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 6.398+/-0.450 χ^2/NDF:190.7/14

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

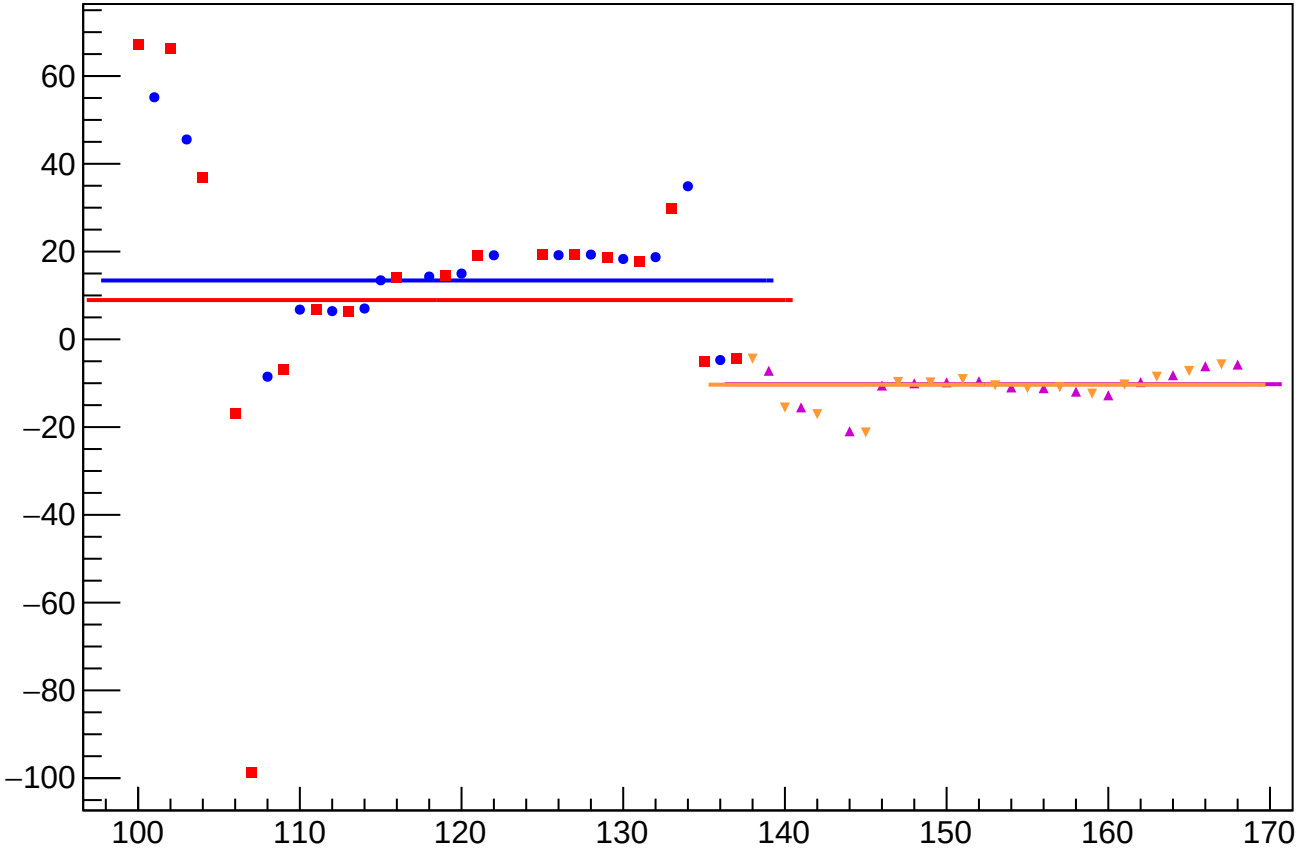
Left In: 6.135+/-0.448 χ^2/NDF:145.3/14

+ sign 2.663+/-0.392 χ^2/NDF: 833.3/30

All: 2.639+/-0.277 χ^2/NDF: 1560.1/63

- sign 2.615+/-0.392 χ^2/NDF: 726.8/32

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -10.337+/-0.020 χ^2/NDF:35319.5/14

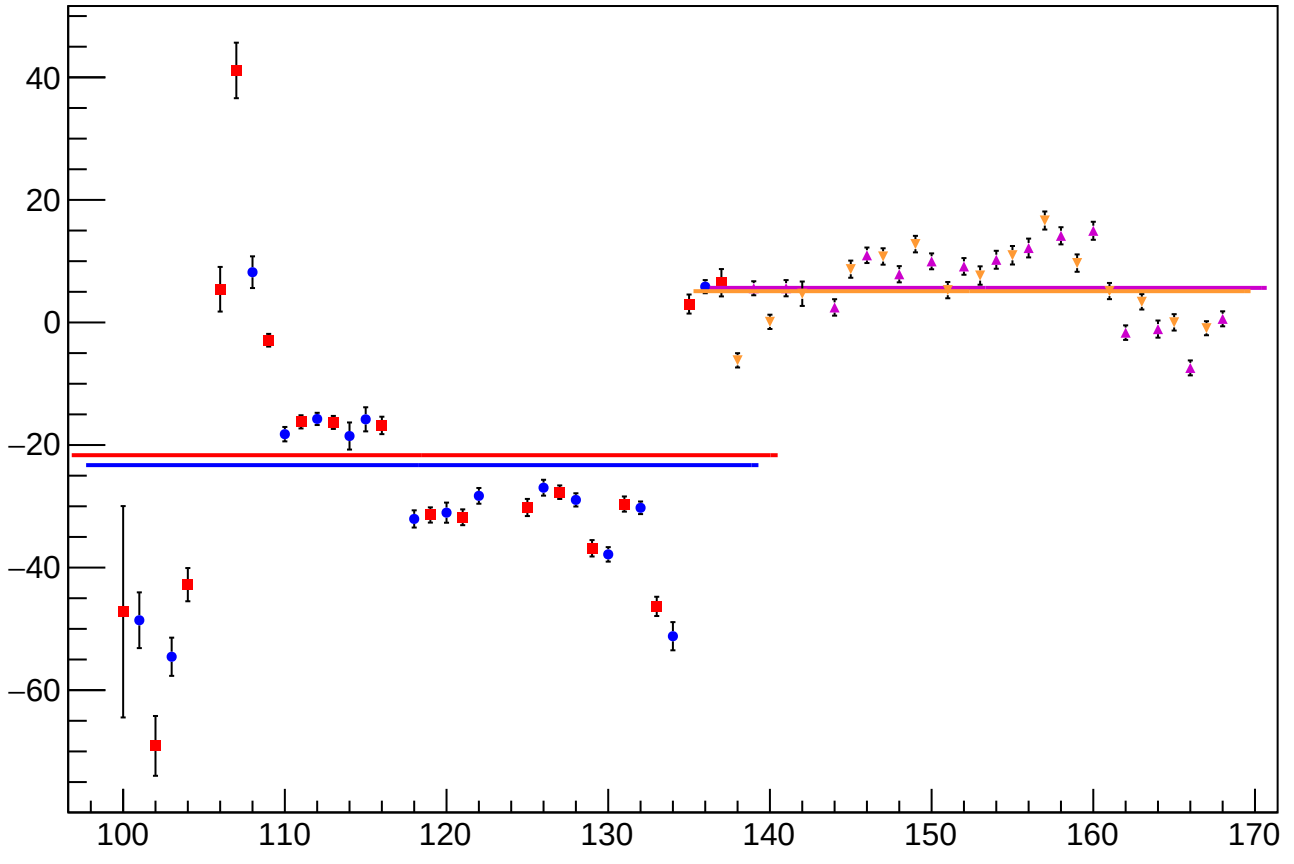
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -10.228+/-0.020 χ^2/NDF:27572.6/14

\+ sign -6.310+/-0.019 χ^2/NDF: 447443.2/30

All: -6.842+/-0.013 χ^2/NDF: 906841.8/63

\- sign -7.358+/-0.018 χ^2/NDF: 457792.8/32



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 5.106+/-0.348 χ^2/NDF:302.8/14

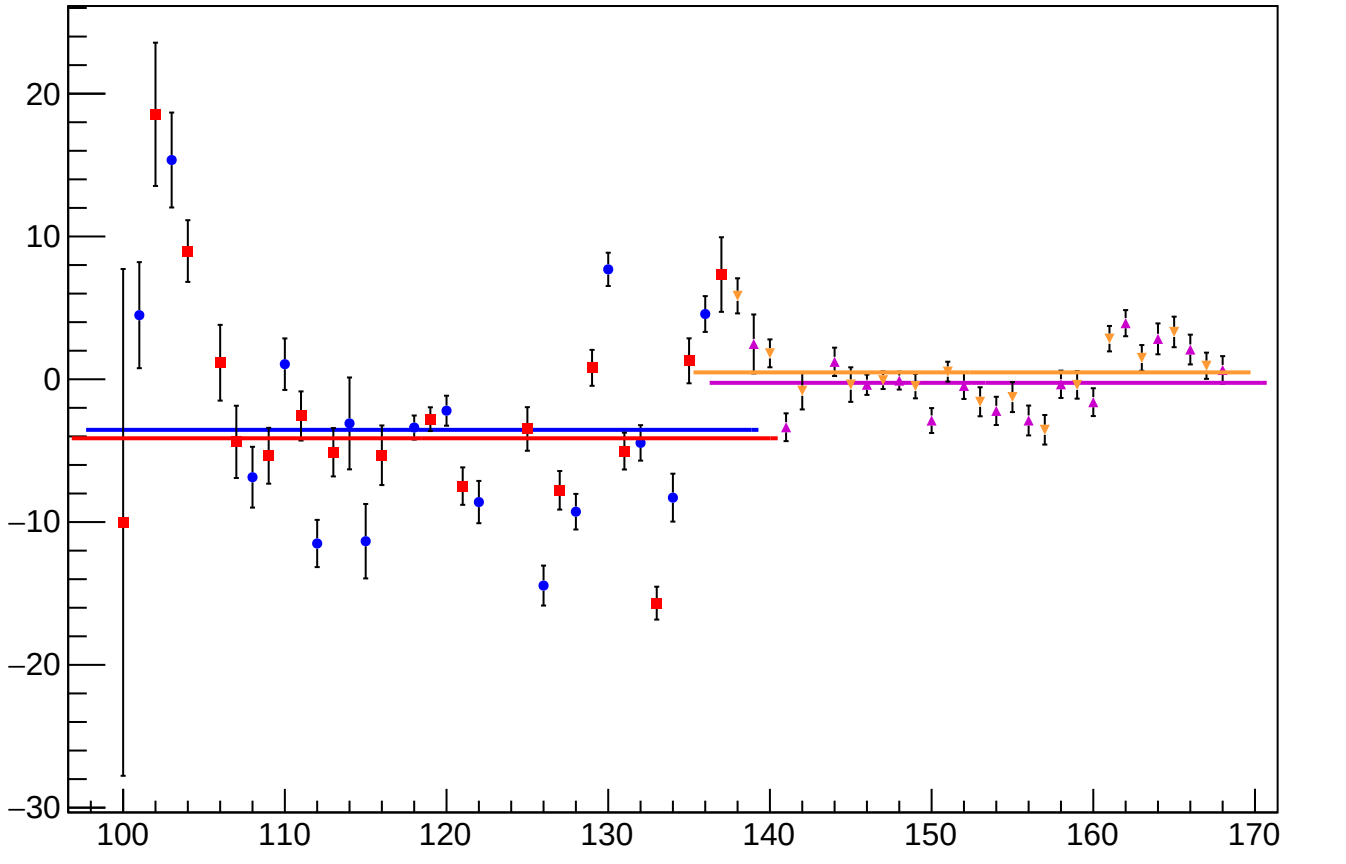
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 5.643+/-0.340 χ^2/NDF:341.3/14

+ sign -8.974+/-0.247 χ^2/NDF: 5178.5/30

All: -8.338+/-0.173 χ^2/NDF: 10501.2/63

- sign -7.721+/-0.243 χ^2/NDF: 5309.6/32



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.482+/-0.239 χ^2/NDF:62.7/14

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

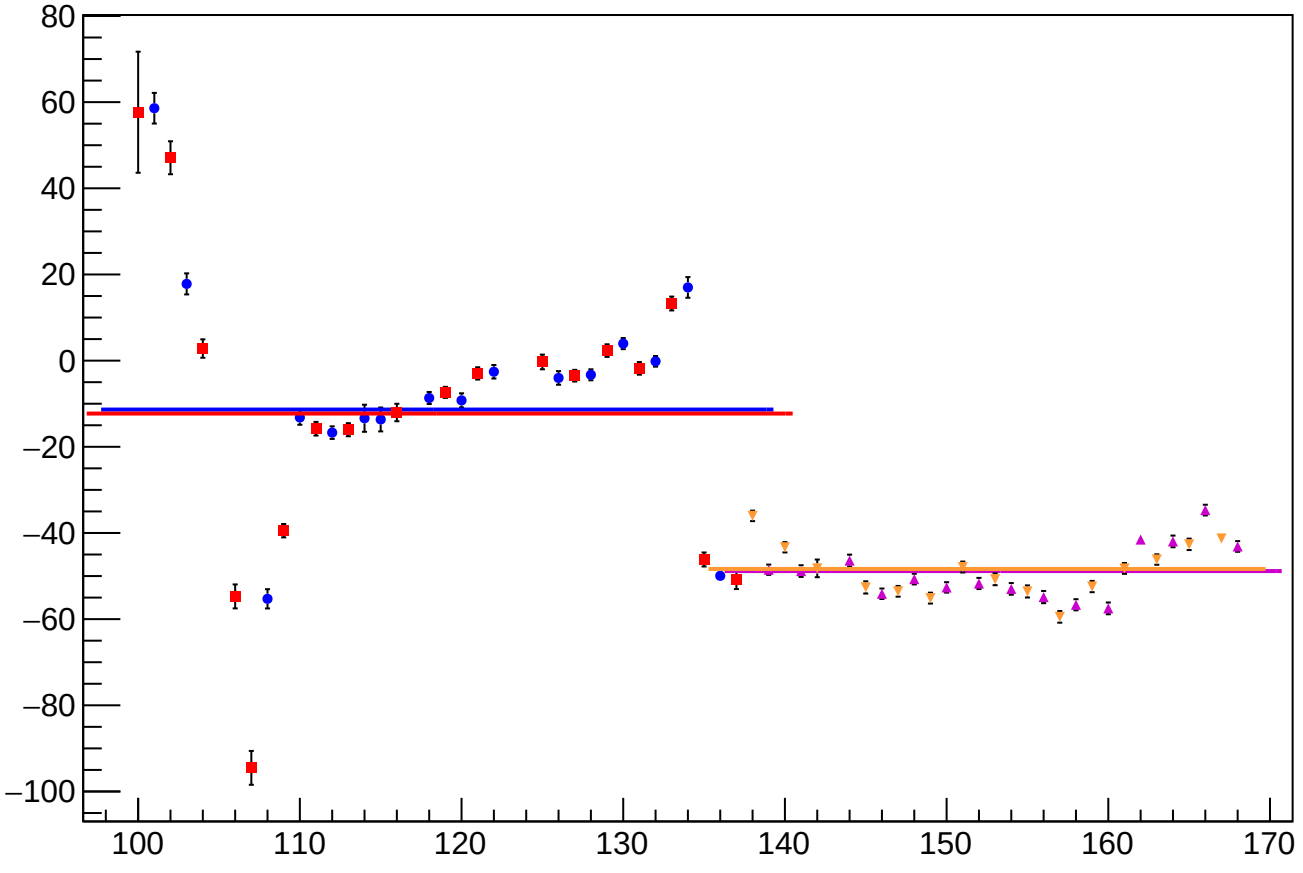
Left In: -0.248+/-0.239 χ^2/NDF:70.5/14

+ sign -0.739+/-0.200 χ^2/NDF: 465.2/30

All: -1.063+/-0.142 χ^2/NDF: 845.9/63

- sign -1.391+/-0.201 χ^2/NDF: 375.5/32

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: -48.349+/-0.338 χ^2/NDF:327.2/14

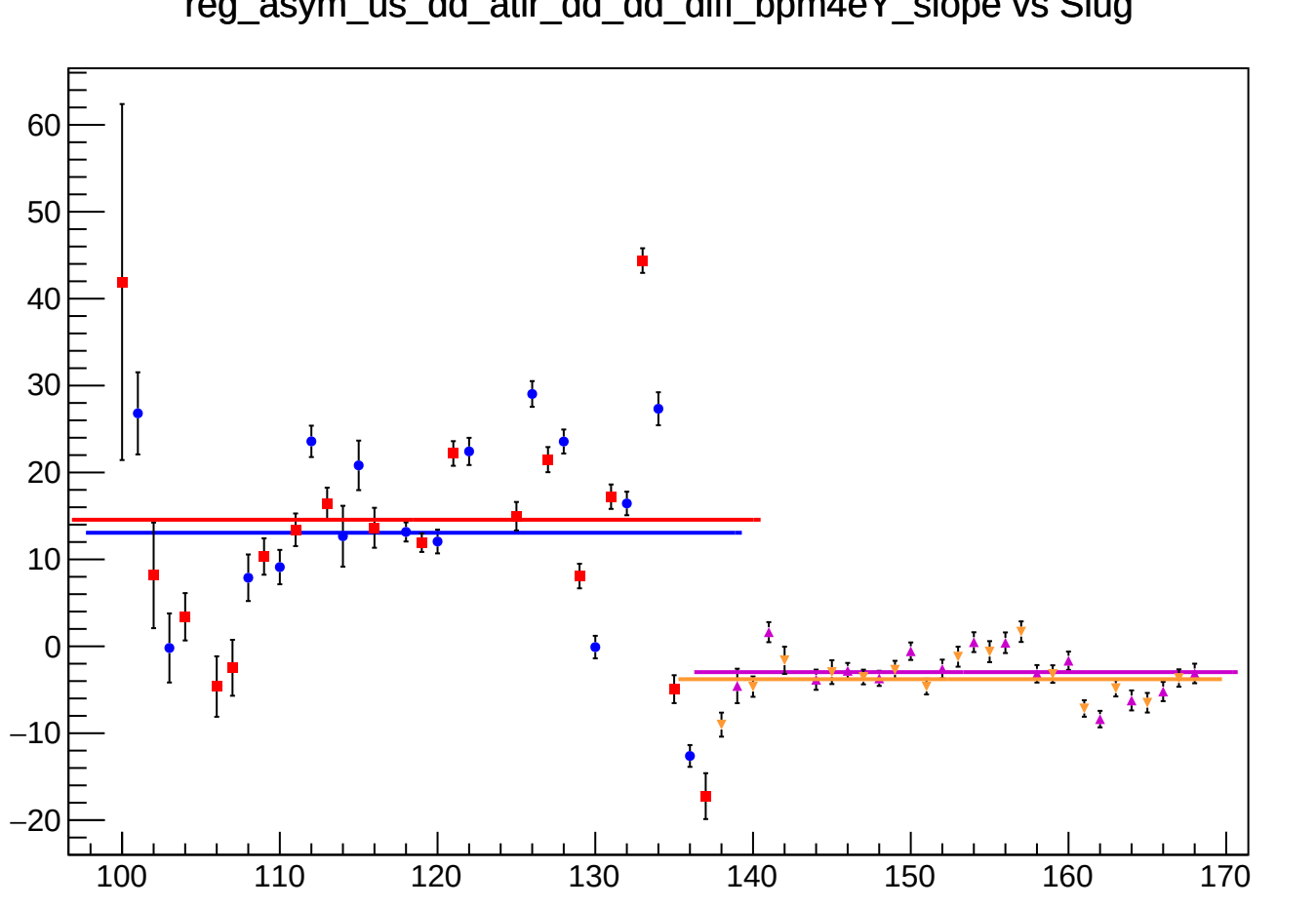
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -48.840+/-0.330 χ^2/NDF:360.8/14

+ sign -33.187+/-0.260 χ^2/NDF: 7896.5/30

All: -33.887+/-0.183 χ^2/NDF: 15637.8/63

- sign -34.578+/-0.258 χ^2/NDF: 7726.9/32



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.784+/-0.278 χ^2/NDF:72.5/14

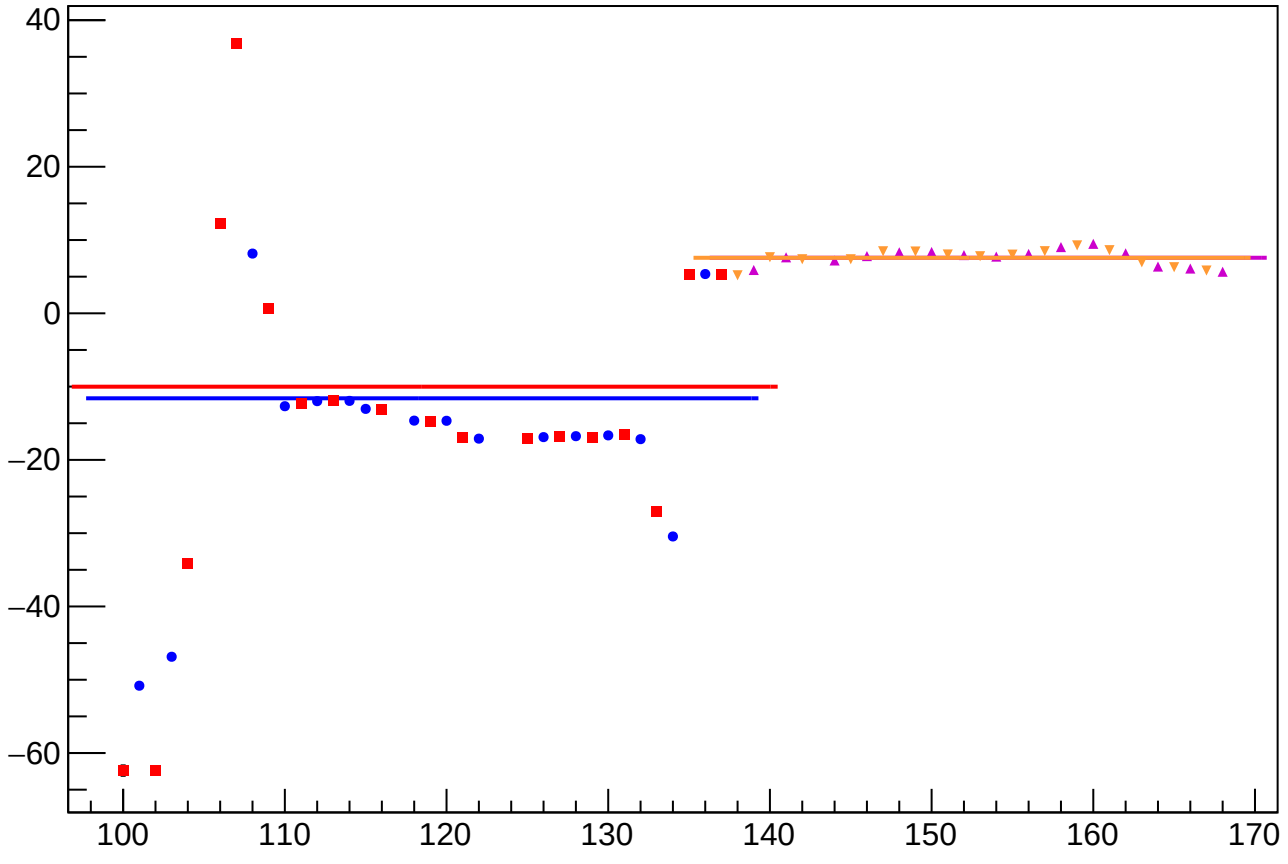
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.971+/-0.278 χ^2/NDF:86.9/14

+ sign 1.446+/-0.231 χ^2/NDF: 2074.3/30

All: 1.881+/-0.164 χ^2/NDF: 4274.1/63

- sign 2.319+/-0.232 χ^2/NDF: 2192.7/32



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.577+/-0.013 χ^2/NDF:8078.3/14

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

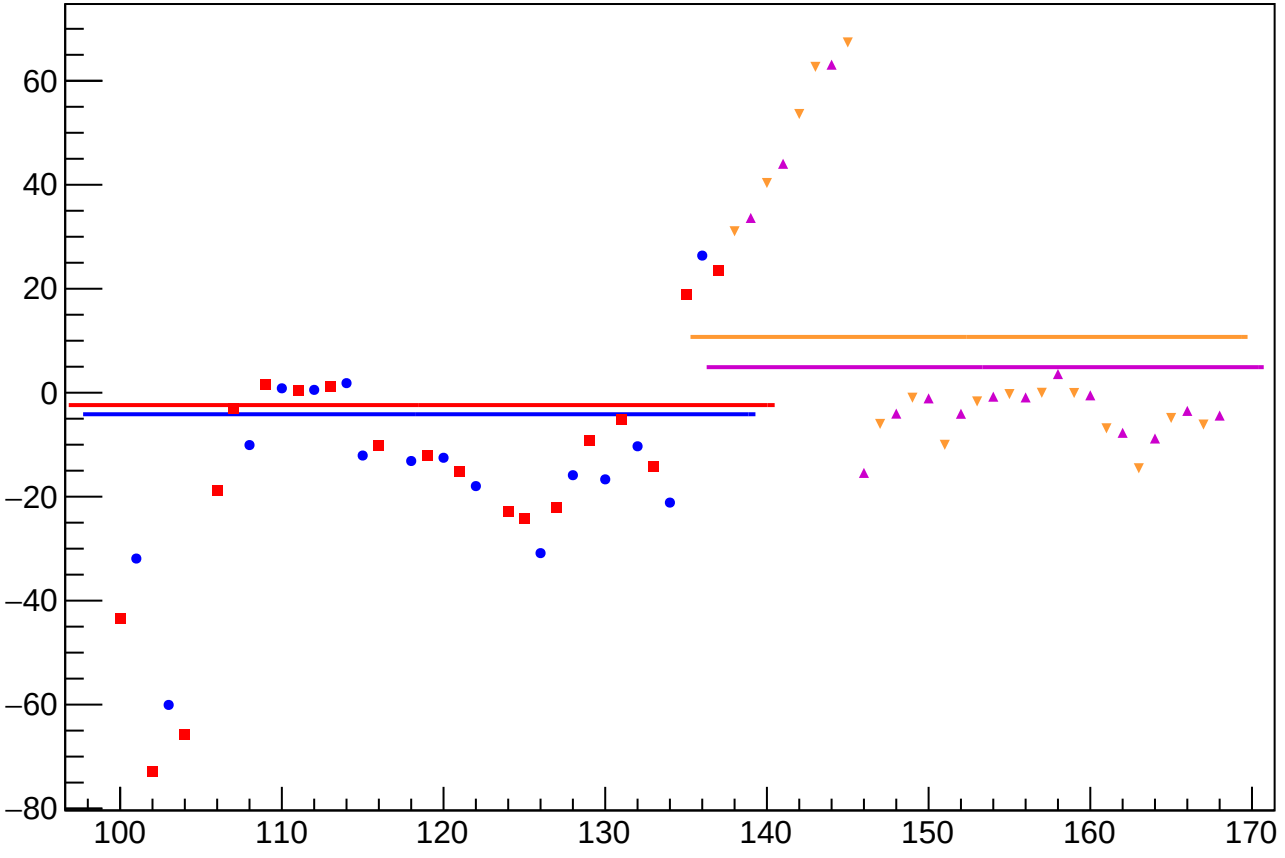
Left In: 7.582+/-0.012 χ^2/NDF:8507.4/14

+ sign 3.961+/-0.011 χ^2/NDF: 799485.0/30

All: 4.296+/-0.008 χ^2/NDF: 1547758.5/63

- sign 4.621+/-0.011 χ^2/NDF: 746580.2/32

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 10.731+/-0.064 χ^2/NDF:145218.8/15

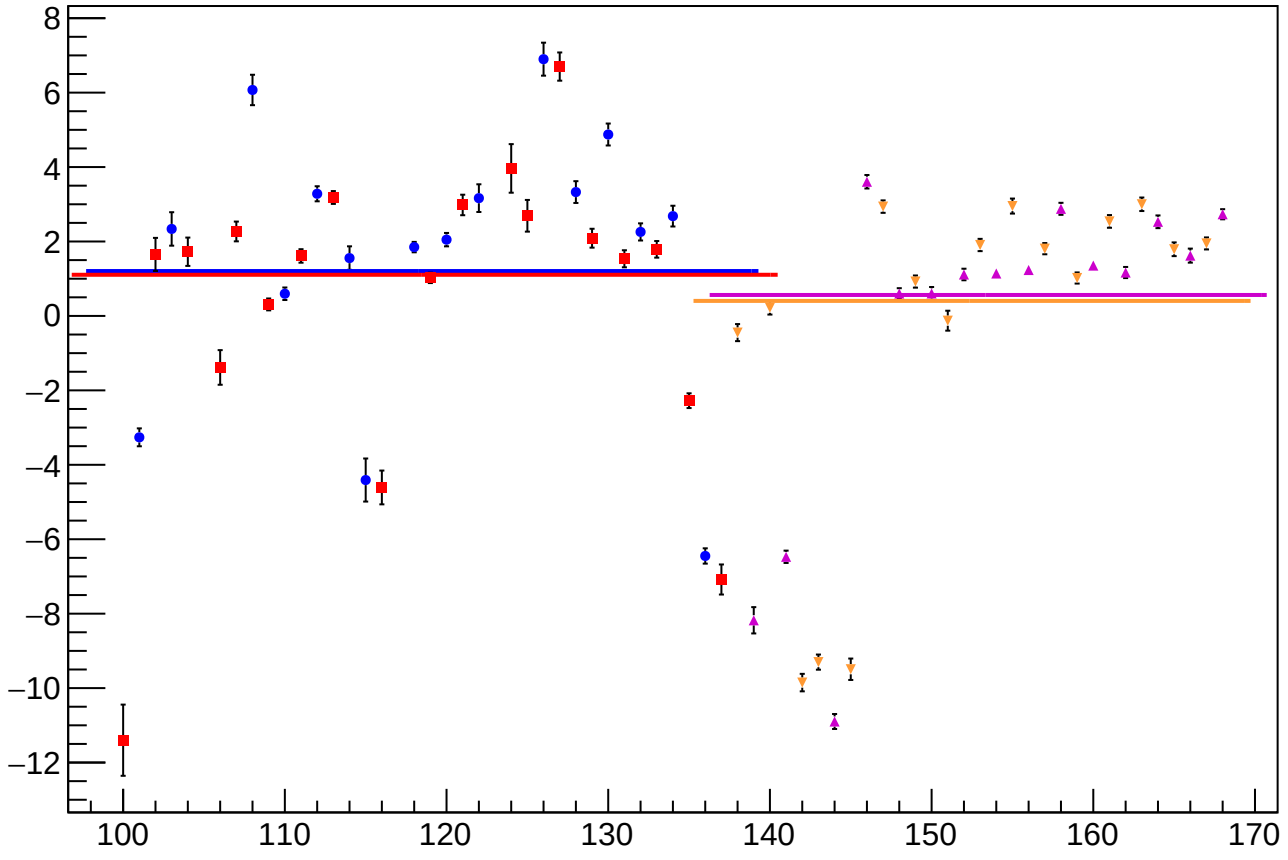
Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 4.913+/-0.054 χ^2/NDF:119970.0/14

+ sign 2.183+/-0.041 χ^2/NDF: 251967.3/31

All: 1.314+/-0.027 χ^2/NDF: 463973.5/65

- sign 0.691+/-0.035 χ^2/NDF: 211251.6/33



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.404+/-0.046 χ^2/NDF:6477.3/15

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

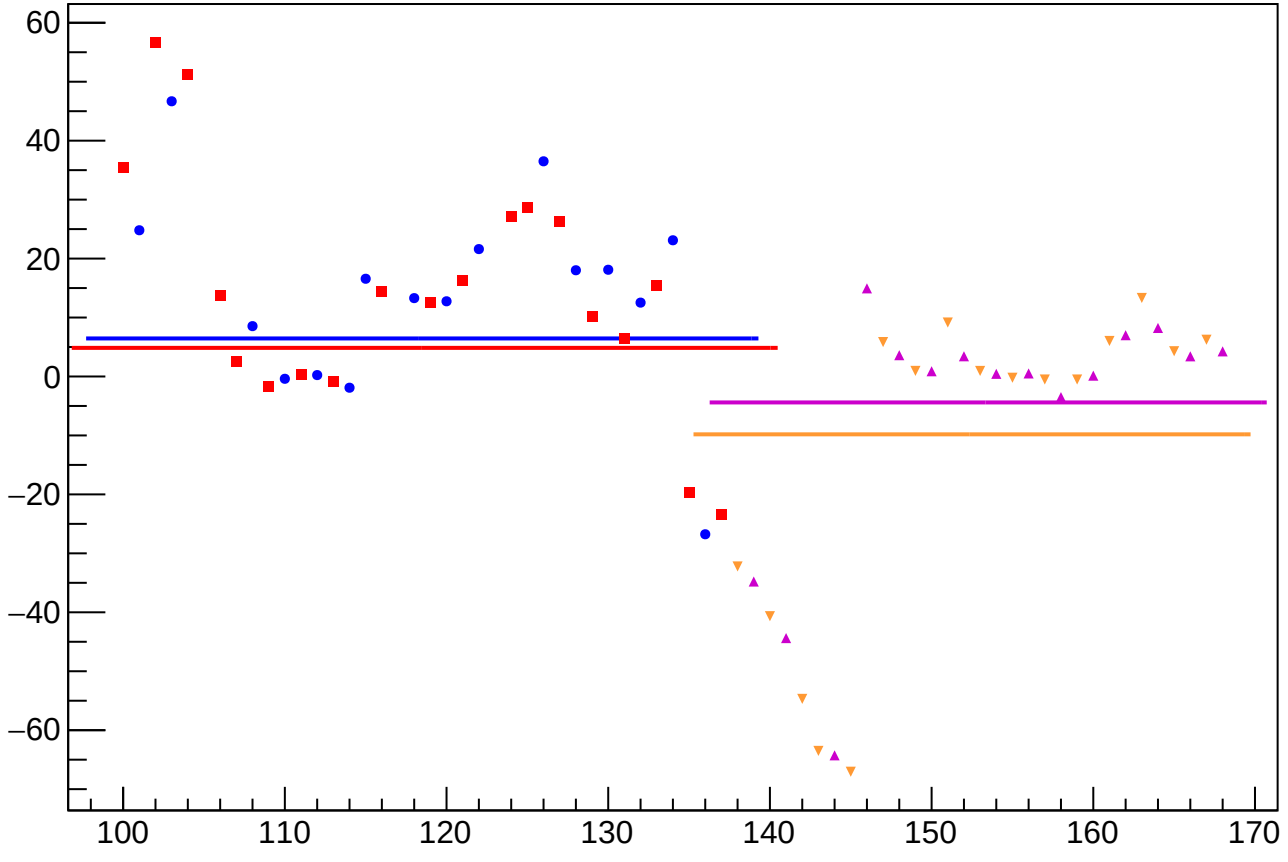
Left In: 0.563+/-0.039 χ^2/NDF:6702.0/14

+ sign 0.698+/-0.037 χ^2/NDF: 9173.3/31

All: 0.719+/-0.024 χ^2/NDF: 17524.7/65

- sign 0.734+/-0.032 χ^2/NDF: 8350.8/33

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -9.813+/-0.062 χ^2/NDF:142296.5/15

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

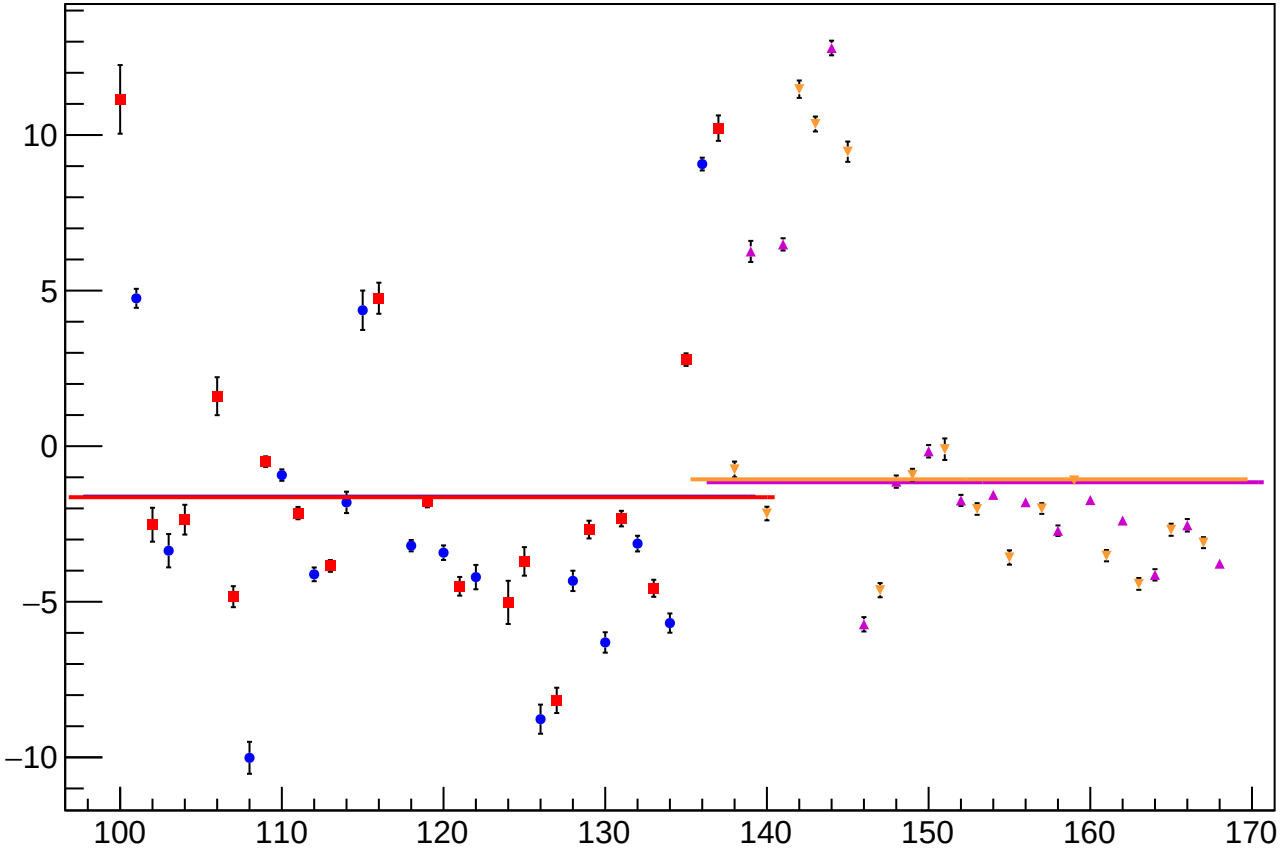
Left In: -4.403+/-0.052 χ^2/NDF:117816.0/14

+ sign -2.097+/-0.045 χ^2/NDF: 245671.1/31

All: -1.108+/-0.029 χ^2/NDF: 453395.7/65

- sign -0.360+/-0.039 χ^2/NDF: 206873.2/33

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.065+/-0.052 χ^2/NDF:6466.9/15

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

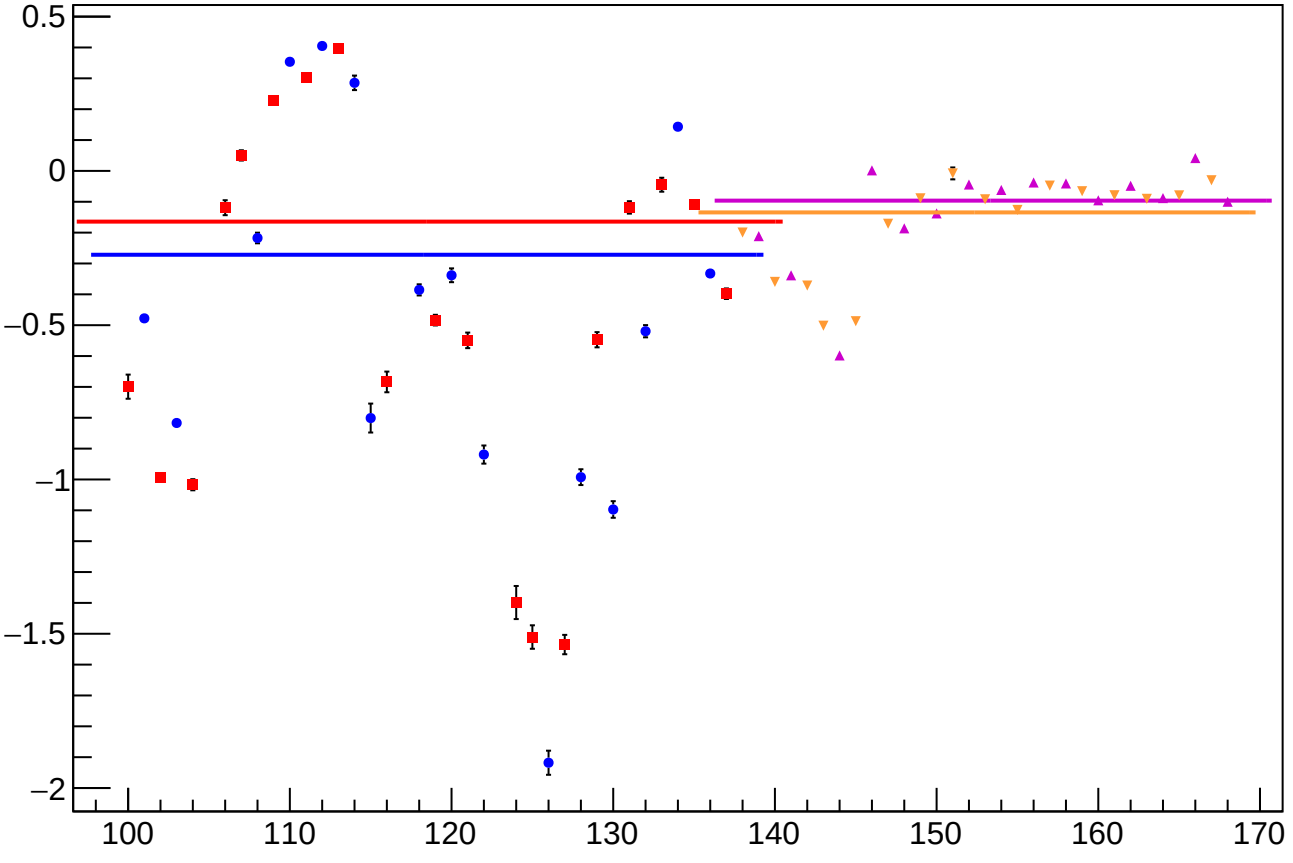
Left In: -1.160+/-0.044 χ^2/NDF:6724.0/14

+ sign -1.266+/-0.042 χ^2/NDF: 11033.0/31

All: -1.292+/-0.027 χ^2/NDF: 20257.7/65

- sign -1.312+/-0.036 χ^2/NDF: 9224.0/33

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.135+/-0.002 χ^2/NDF:3124.5/15

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

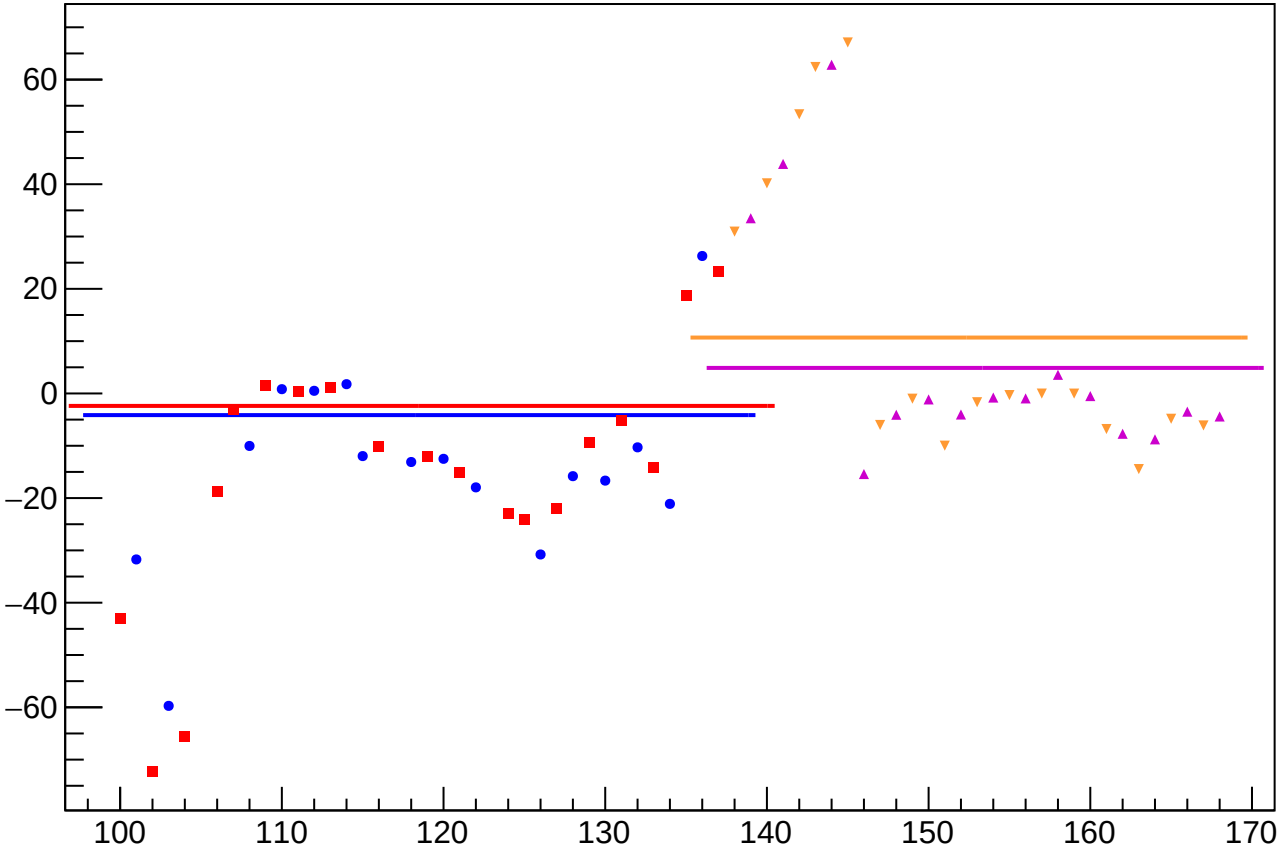
Left In: -0.096+/-0.002 χ^2/NDF:3234.4/14

+ sign -0.167+/-0.002 χ^2/NDF: 16009.1/31

All: -0.133+/-0.001 χ^2/NDF: 35472.8/65

- sign -0.110+/-0.002 χ^2/NDF: 18989.4/33

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 10.687+/-0.063 χ^2/NDF:144957.5/15

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

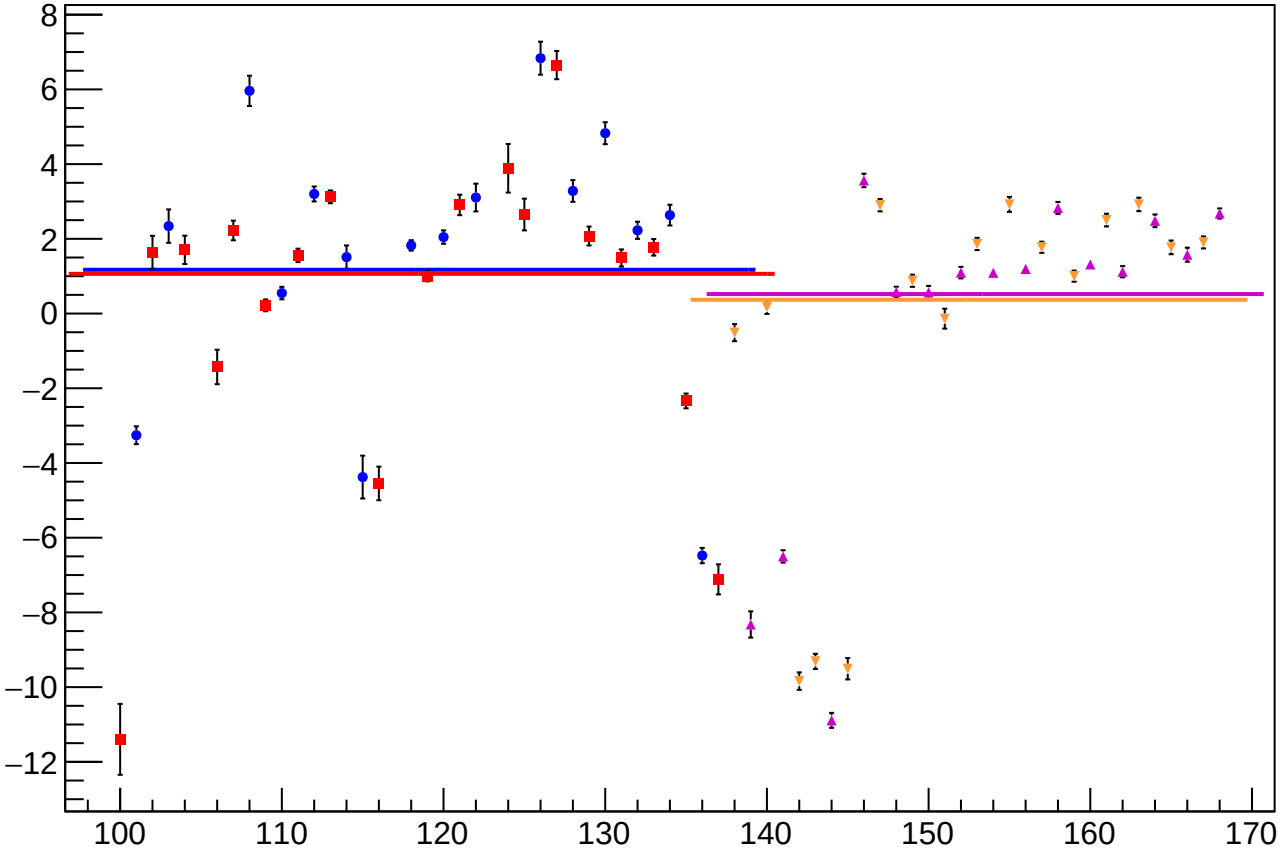
Left In: 4.883+/-0.054 χ^2/NDF:119853.7/14

+ sign 2.146+/-0.041 χ^2/NDF: 251749.3/31

All: 1.284+/-0.027 χ^2/NDF: 463550.7/65

- sign 0.666+/-0.035 χ^2/NDF: 211051.5/33

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.369+/-0.046 χ^2/NDF:6480.4/15

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

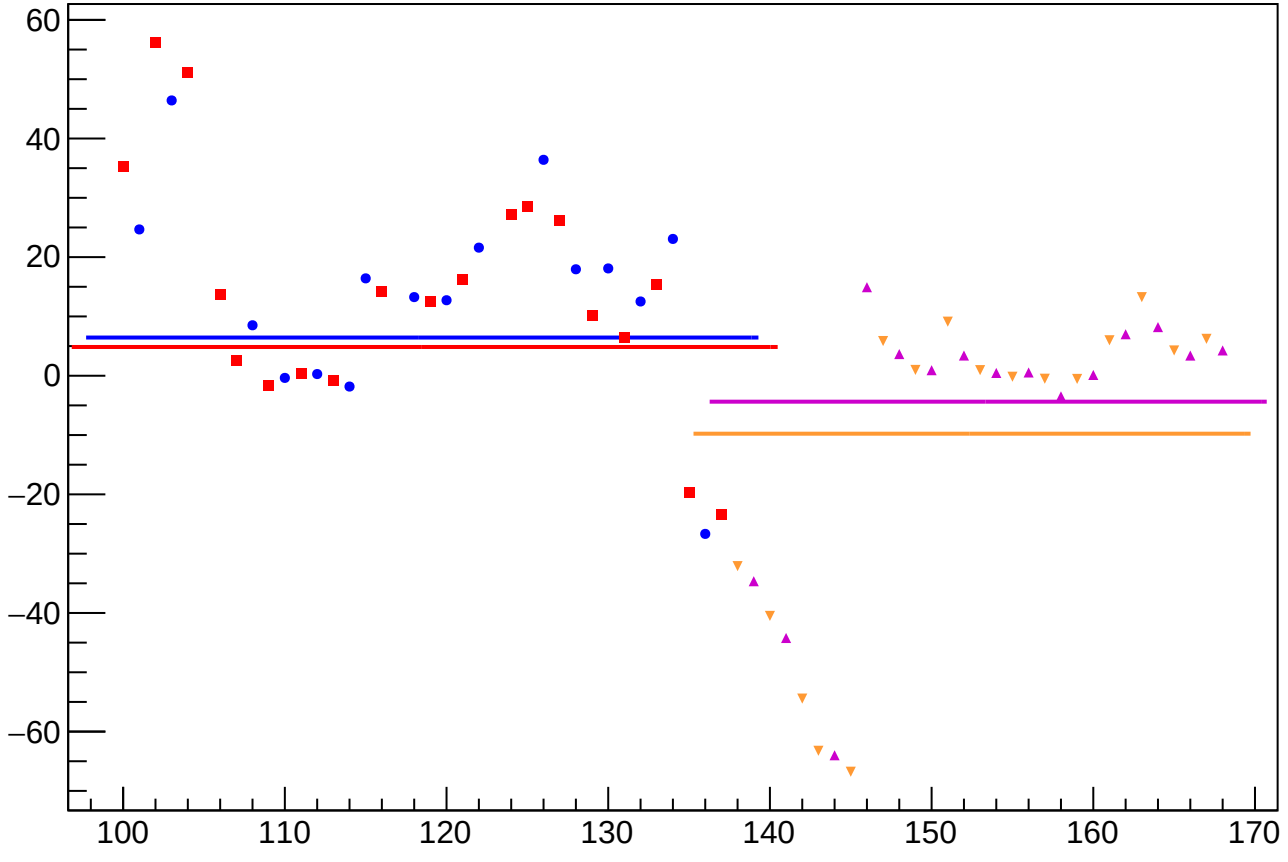
Left In: 0.522+/-0.039 χ^2/NDF:6717.9/14

+ sign 0.664+/-0.036 χ^2/NDF: 9177.8/31

All: 0.680+/-0.024 χ^2/NDF: 17554.3/65

- sign 0.693+/-0.032 χ^2/NDF: 8376.2/33

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -9.771+/-0.062 χ^2/NDF:142042.5/15

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

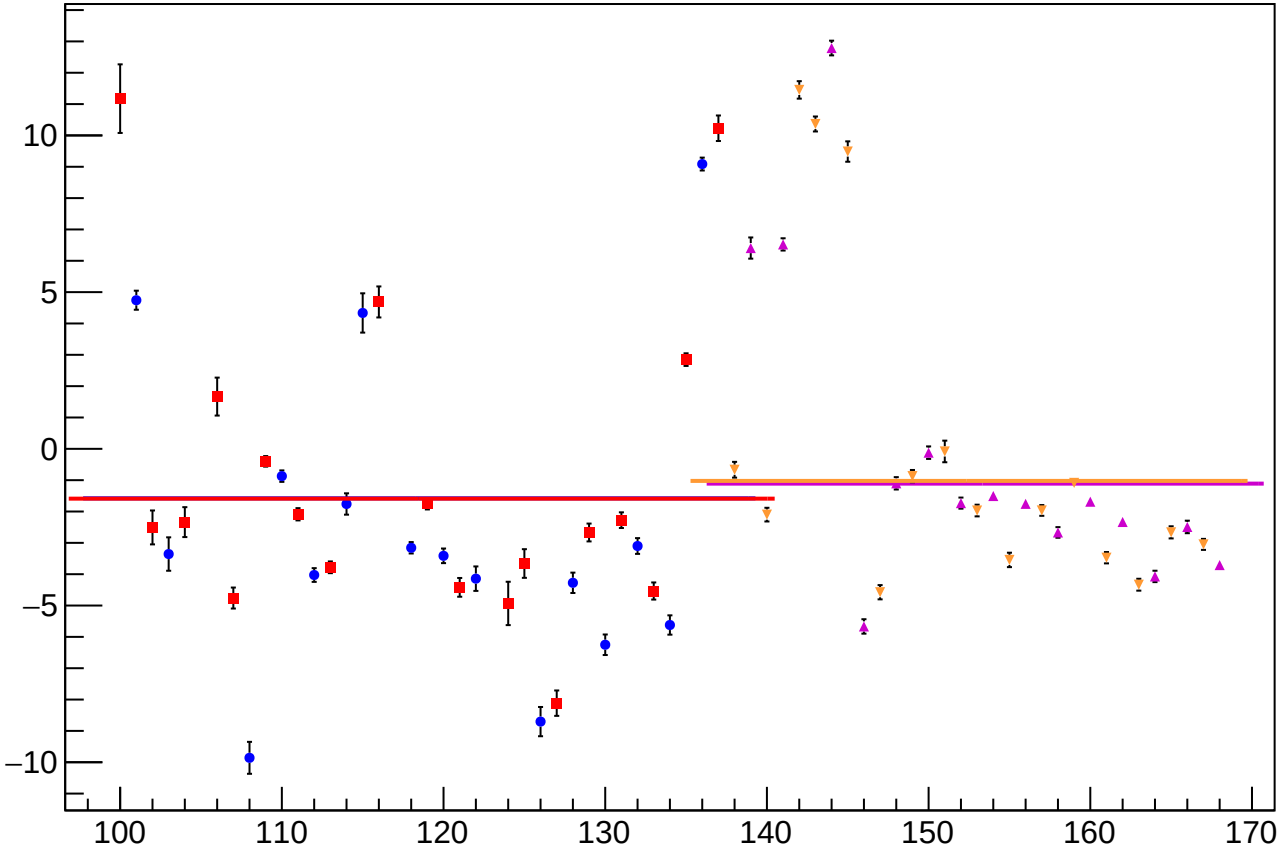
Left In: -4.373+/-0.052 χ^2/NDF:117698.5/14

+ sign -2.061+/-0.045 χ^2/NDF: 245452.2/31

All: -1.078+/-0.029 χ^2/NDF: 452967.1/65

- sign -0.332+/-0.039 χ^2/NDF: 206664.3/33

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.023+/-0.052 χ^2/NDF:6464.0/15

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

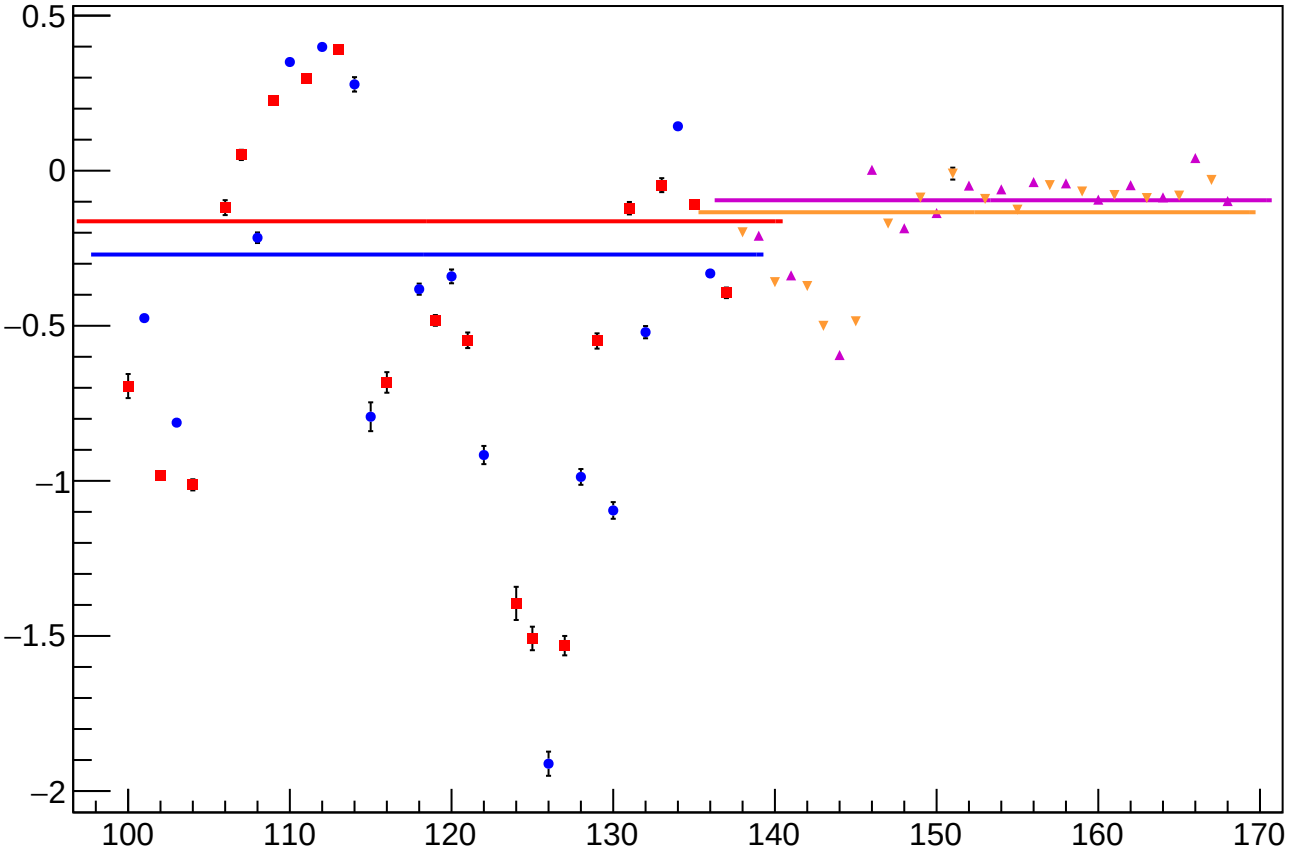
Left In: -1.110+/-0.044 χ^2/NDF:6737.5/14

+ sign -1.224+/-0.042 χ^2/NDF: 11029.6/31

All: -1.246+/-0.027 χ^2/NDF: 20277.6/65

- sign -1.263+/-0.036 χ^2/NDF: 9247.5/33

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.134+/-0.002 χ^2/NDF:3135.8/15

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

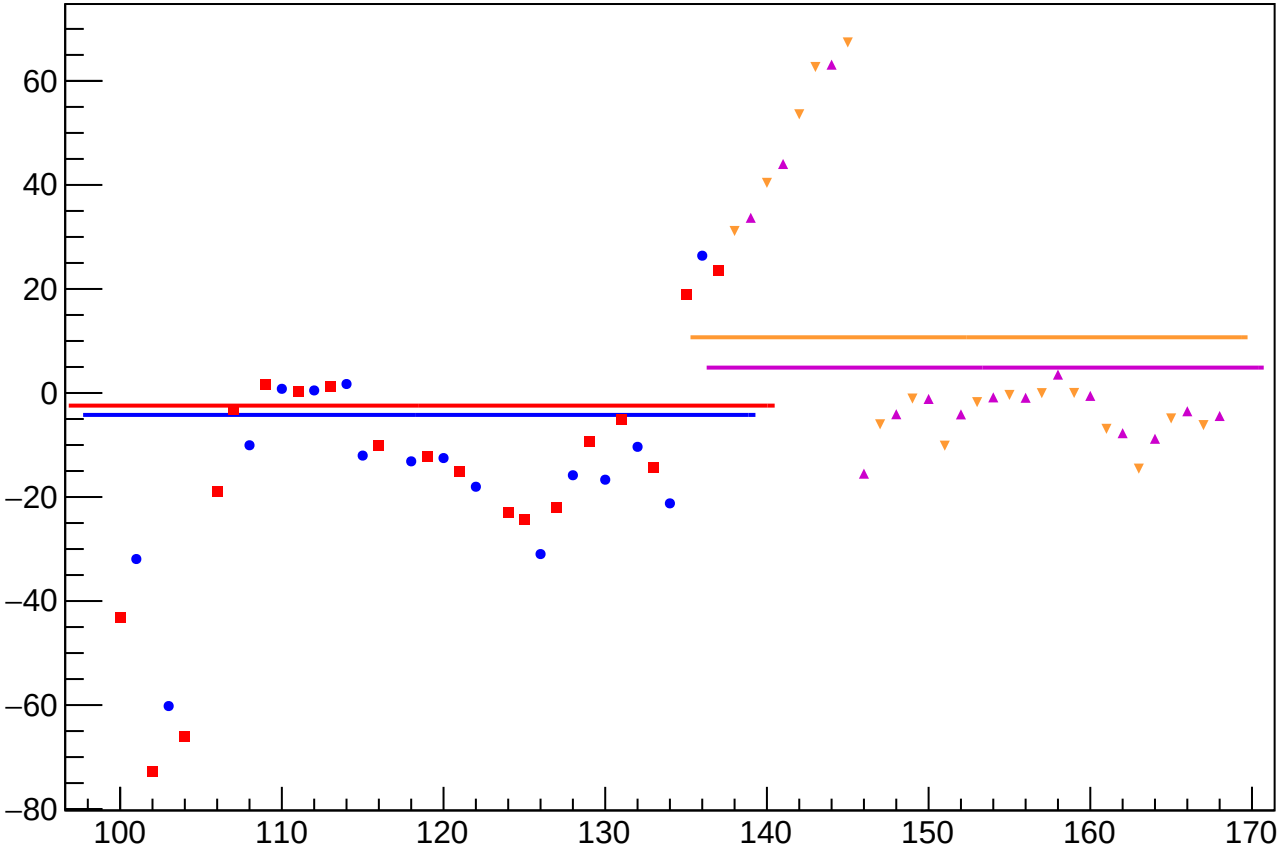
Left In: -0.095+/-0.002 χ^2/NDF:3220.2/14

+ sign -0.166+/-0.002 χ^2/NDF: 16005.1/31

All: -0.132+/-0.001 χ^2/NDF: 35477.1/65

- sign -0.109+/-0.002 χ^2/NDF: 18989.1/33

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 10.710+/-0.064 χ^2/NDF:145322.7/15

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

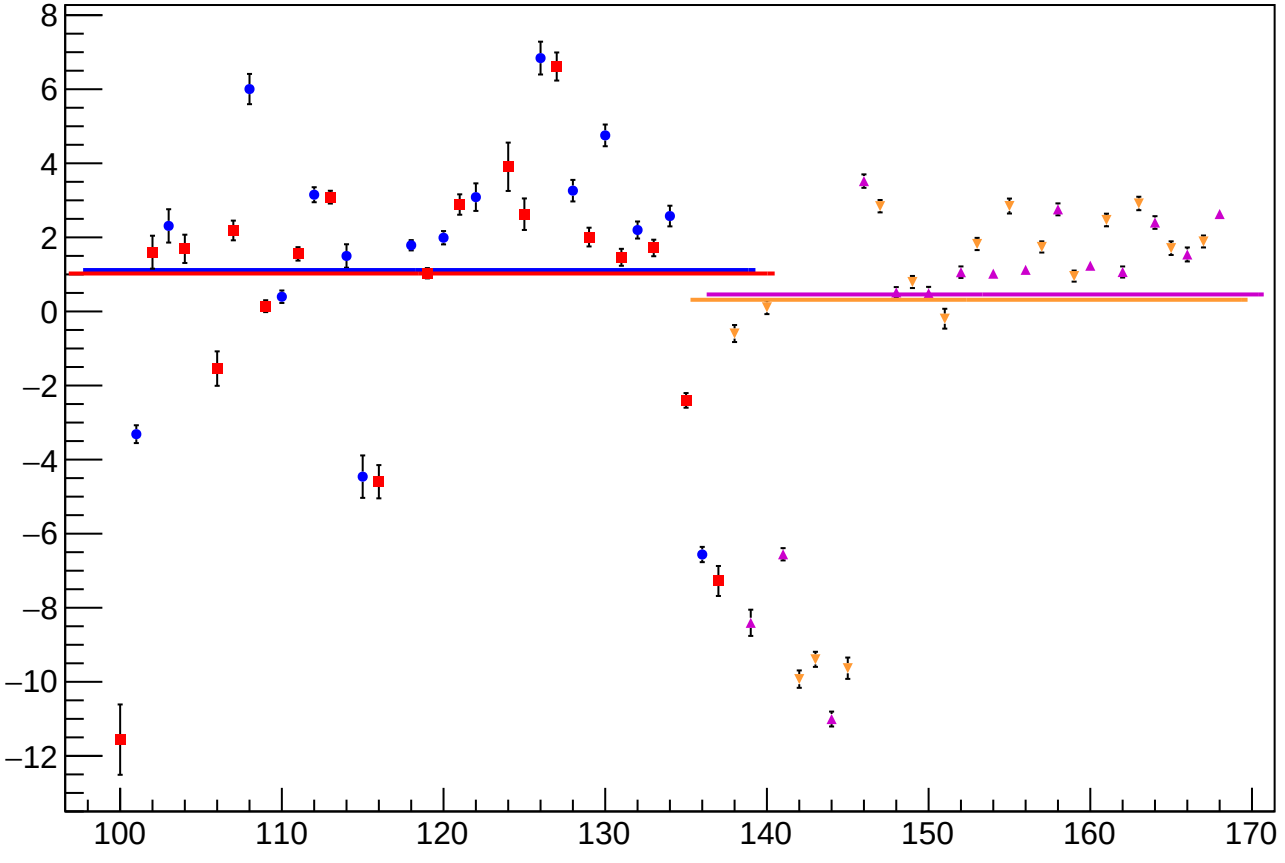
Left In: 4.880+/-0.054 χ^2/NDF:119979.9/14

+ sign 2.132+/-0.041 χ^2/NDF: 252181.8/31

All: 1.270+/-0.027 χ^2/NDF: 464176.2/65

- sign 0.651+/-0.035 χ^2/NDF: 211252.4/33

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.315+/-0.046 χ^2/NDF:6489.3/15

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

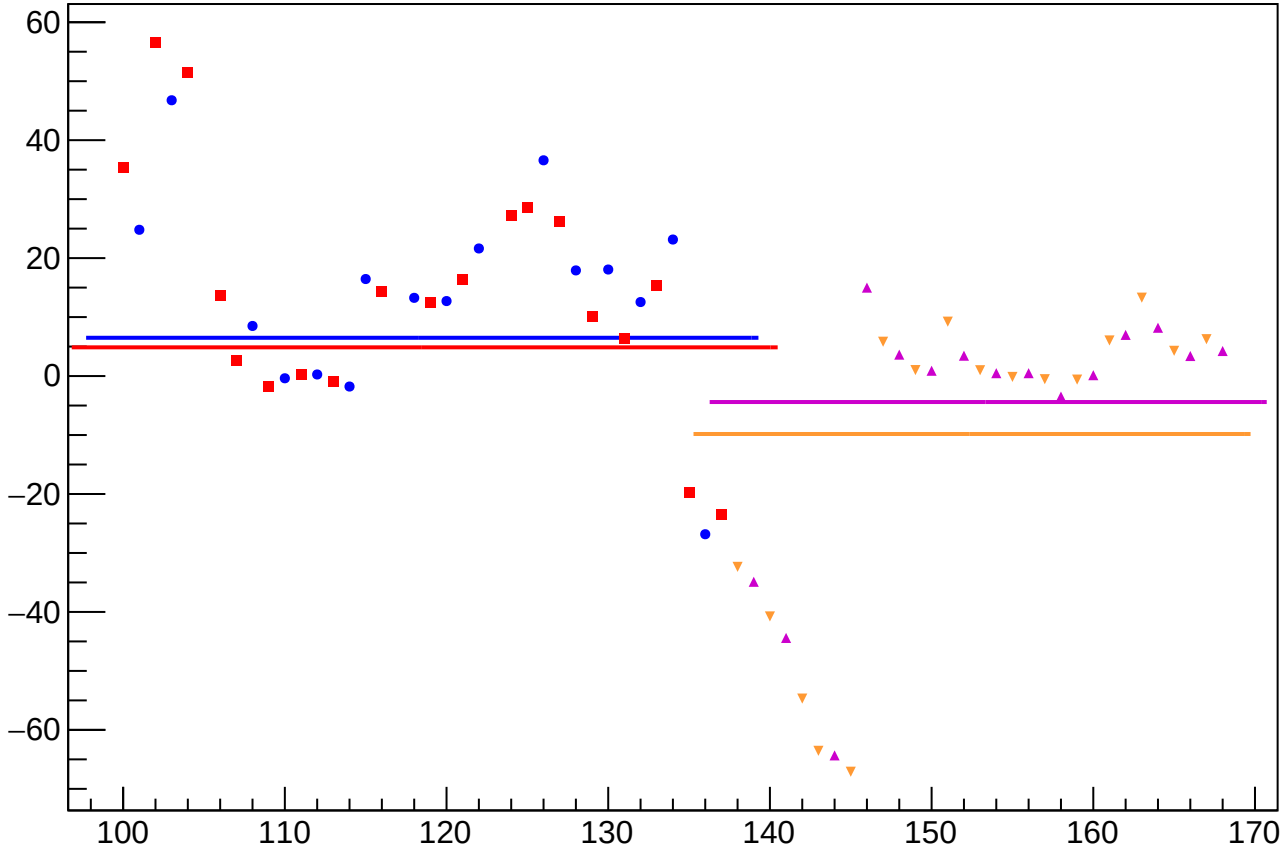
Left In: 0.459+/-0.039 χ^2/NDF:6695.0/14

+ sign 0.610+/-0.037 χ^2/NDF: 9192.7/31

All: 0.626+/-0.024 χ^2/NDF: 17566.9/65

- sign 0.637+/-0.032 χ^2/NDF: 8373.9/33

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -9.825+/-0.062 χ^2/NDF:142417.0/15

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

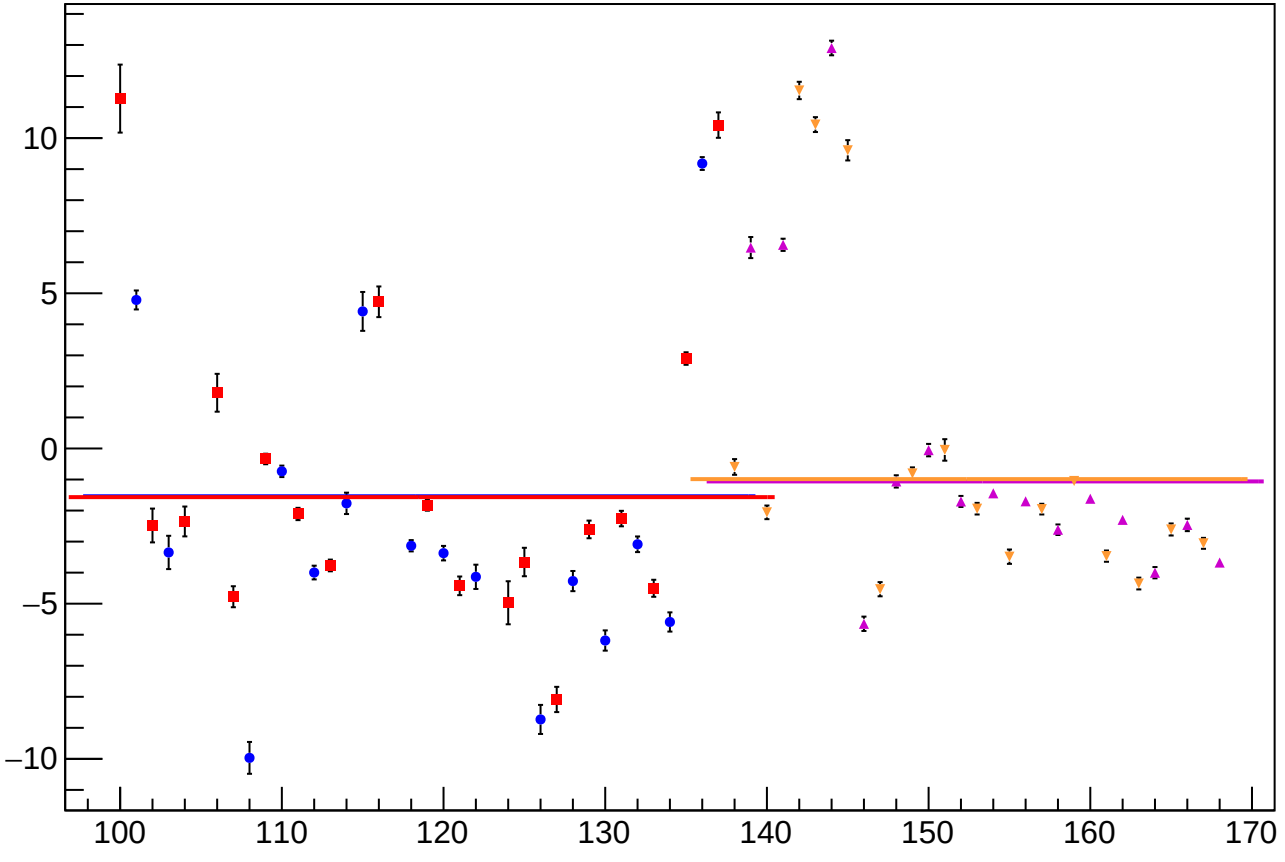
Left In: -4.404+/-0.052 χ^2/NDF:117831.0/14

+ sign -2.079+/-0.045 χ^2/NDF: 245913.4/31

All: -1.097+/-0.030 χ^2/NDF: 453667.9/65

- sign -0.353+/-0.039 χ^2/NDF: 206916.0/33

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -0.987+/-0.052 χ^2/NDF:6477.7/15

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

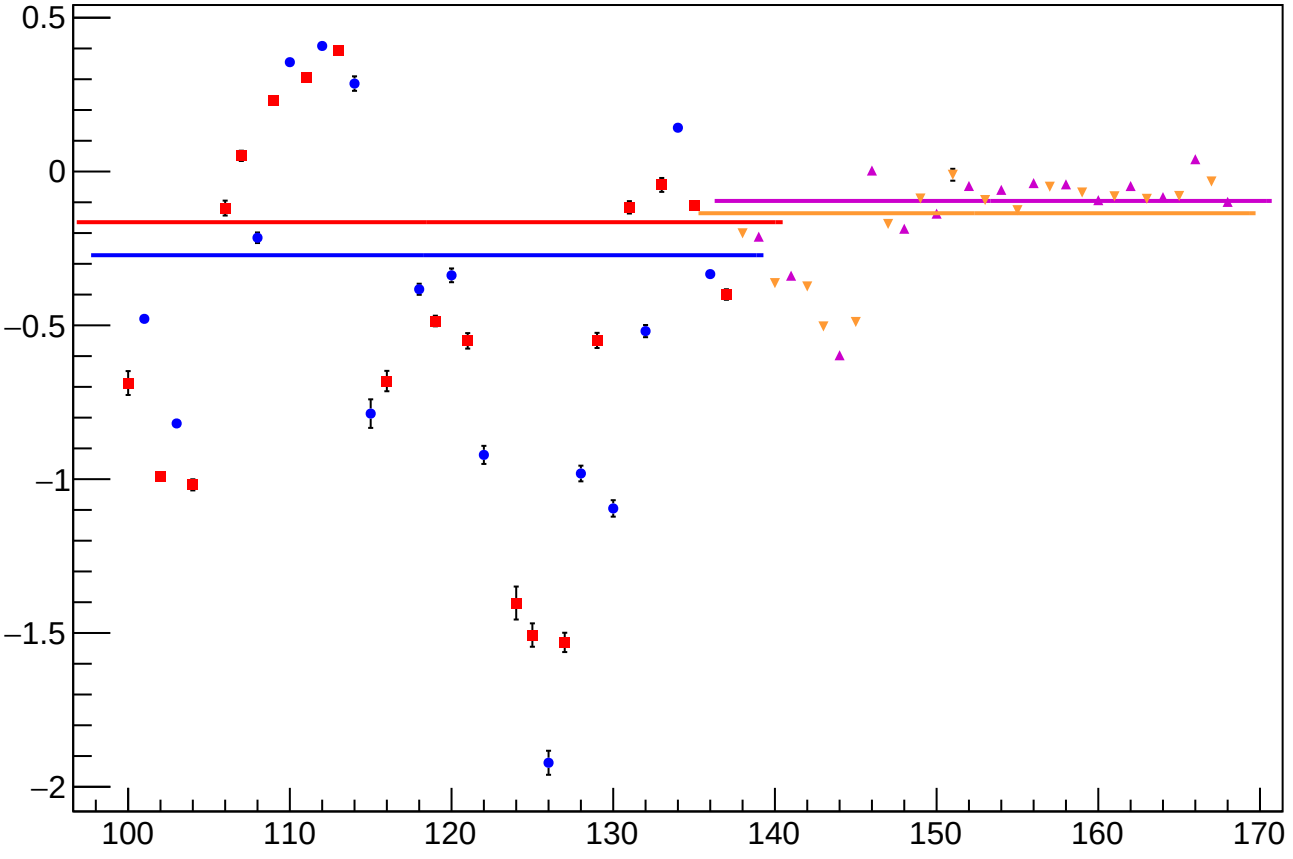
Left In: -1.061+/-0.044 χ^2/NDF:6720.1/14

+ sign -1.186+/-0.042 χ^2/NDF: 11054.0/31

All: -1.207+/-0.027 χ^2/NDF: 20313.3/65

- sign -1.222+/-0.036 χ^2/NDF: 9258.9/33

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.136+/-0.002 χ^2/NDF:3132.8/15

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

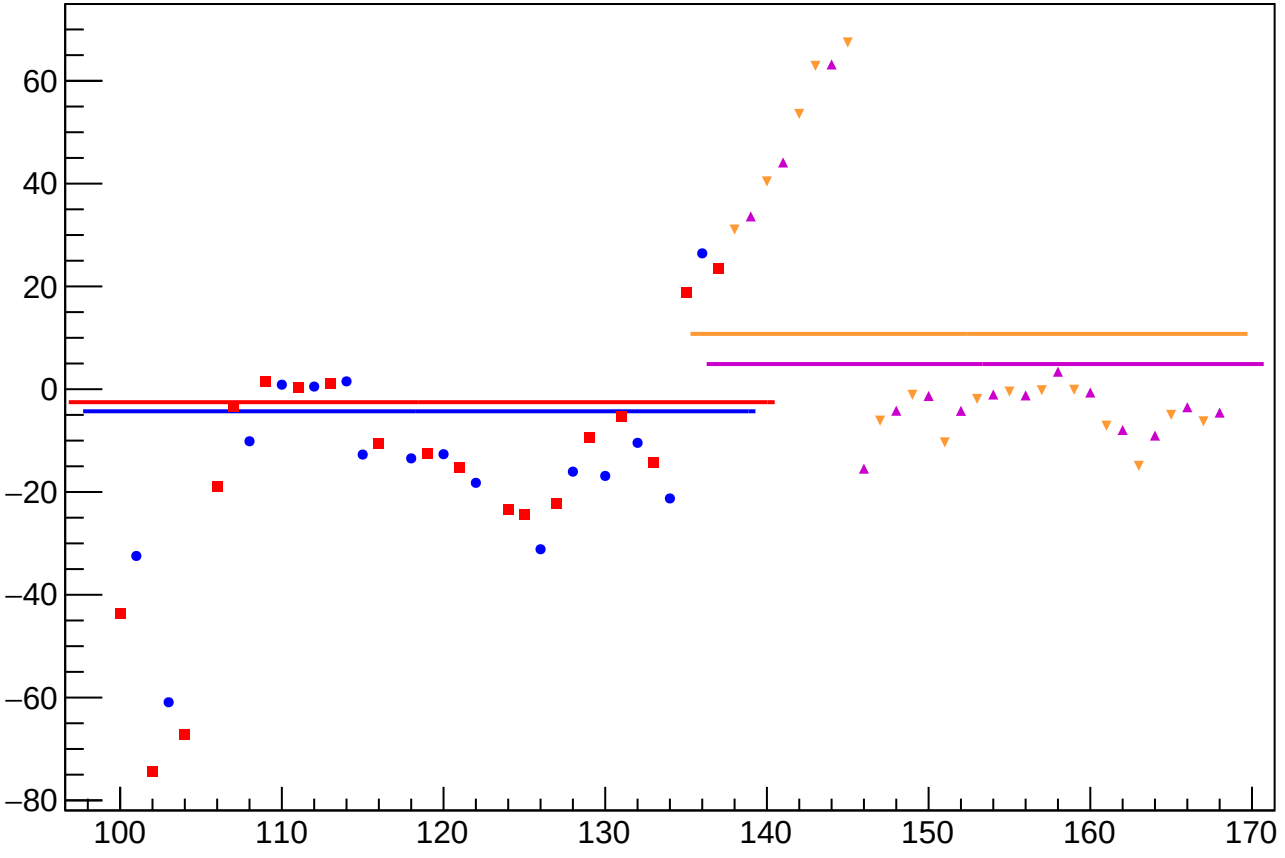
Left In: -0.096+/-0.002 χ^2/NDF:3222.6/14

+ sign -0.167+/-0.002 χ^2/NDF: 16022.4/31

All: -0.133+/-0.001 χ^2/NDF: 35499.5/65

- sign -0.109+/-0.002 χ^2/NDF: 18979.2/33

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 10.768+/-0.065 χ^2/NDF:143290.8/15

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

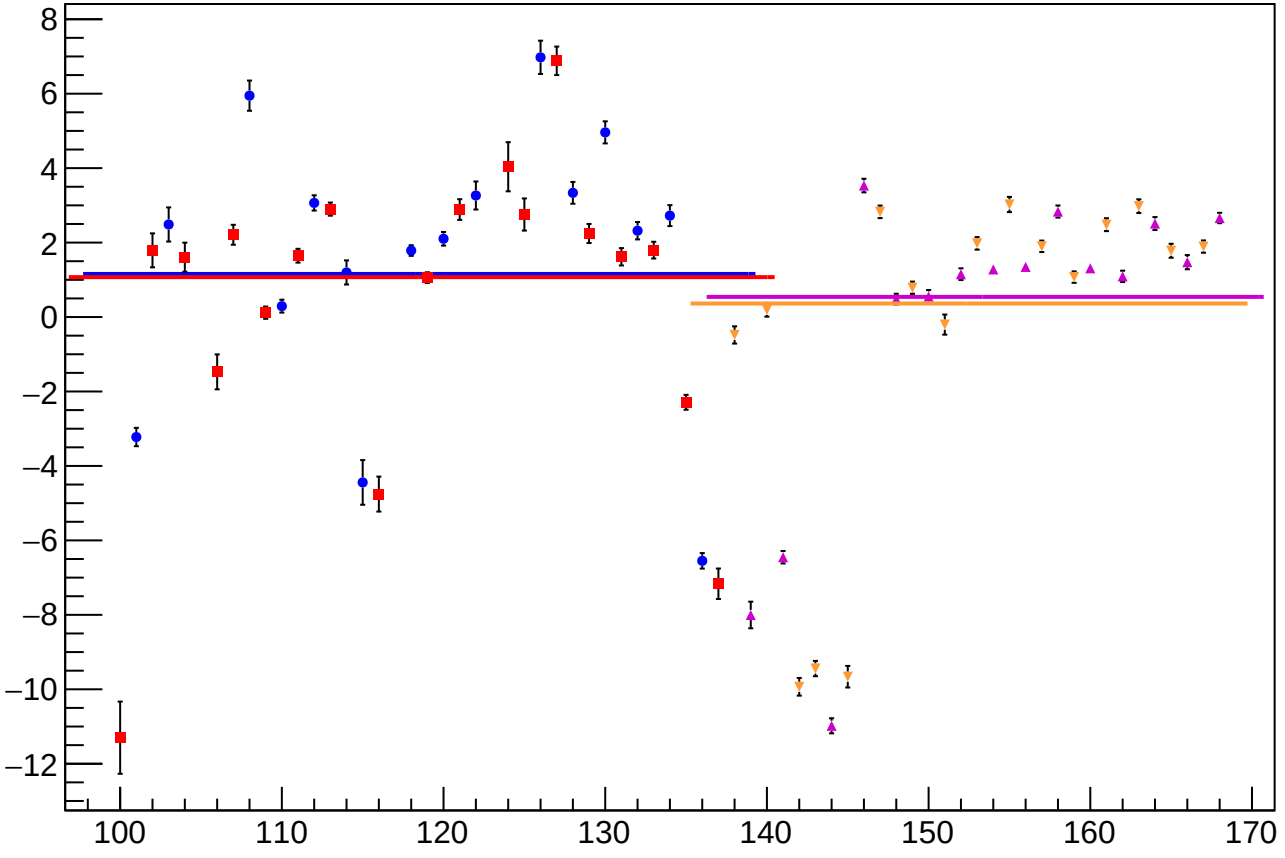
Left In: 4.895+/-0.055 χ^2/NDF:118067.1/14

+ sign 2.141+/-0.042 χ^2/NDF: 248725.0/31

All: 1.253+/-0.027 χ^2/NDF: 457867.5/65

- sign 0.610+/-0.036 χ^2/NDF: 208378.2/33

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.363+/-0.047 χ^2/NDF:6463.4/15

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

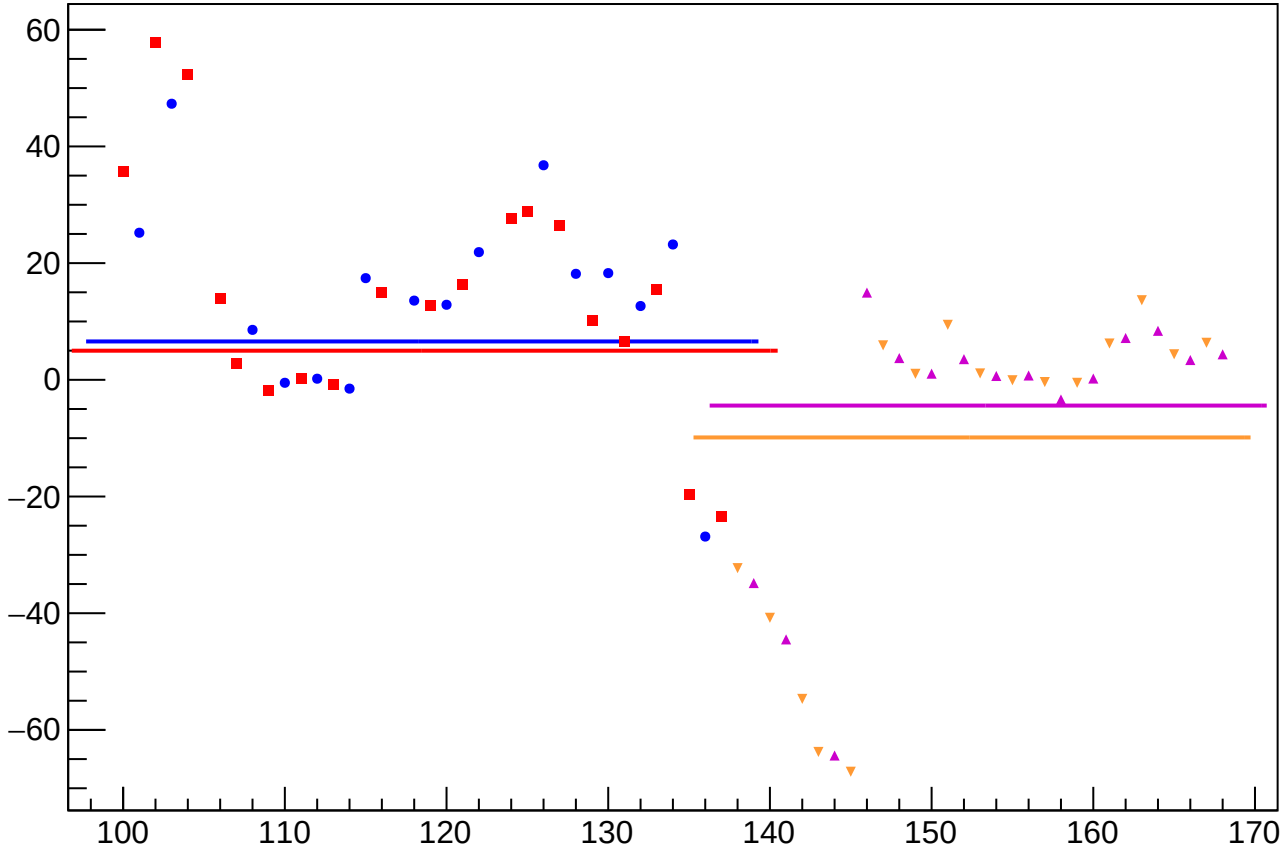
Left In: 0.541+/-0.040 χ^2/NDF:6535.3/14

+ sign 0.654+/-0.037 χ^2/NDF: 9119.2/31

All: 0.685+/-0.025 χ^2/NDF: 17263.8/65

- sign 0.709+/-0.033 χ^2/NDF: 8143.3/33

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -9.875+/-0.063 χ^2/NDF:140420.5/15

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

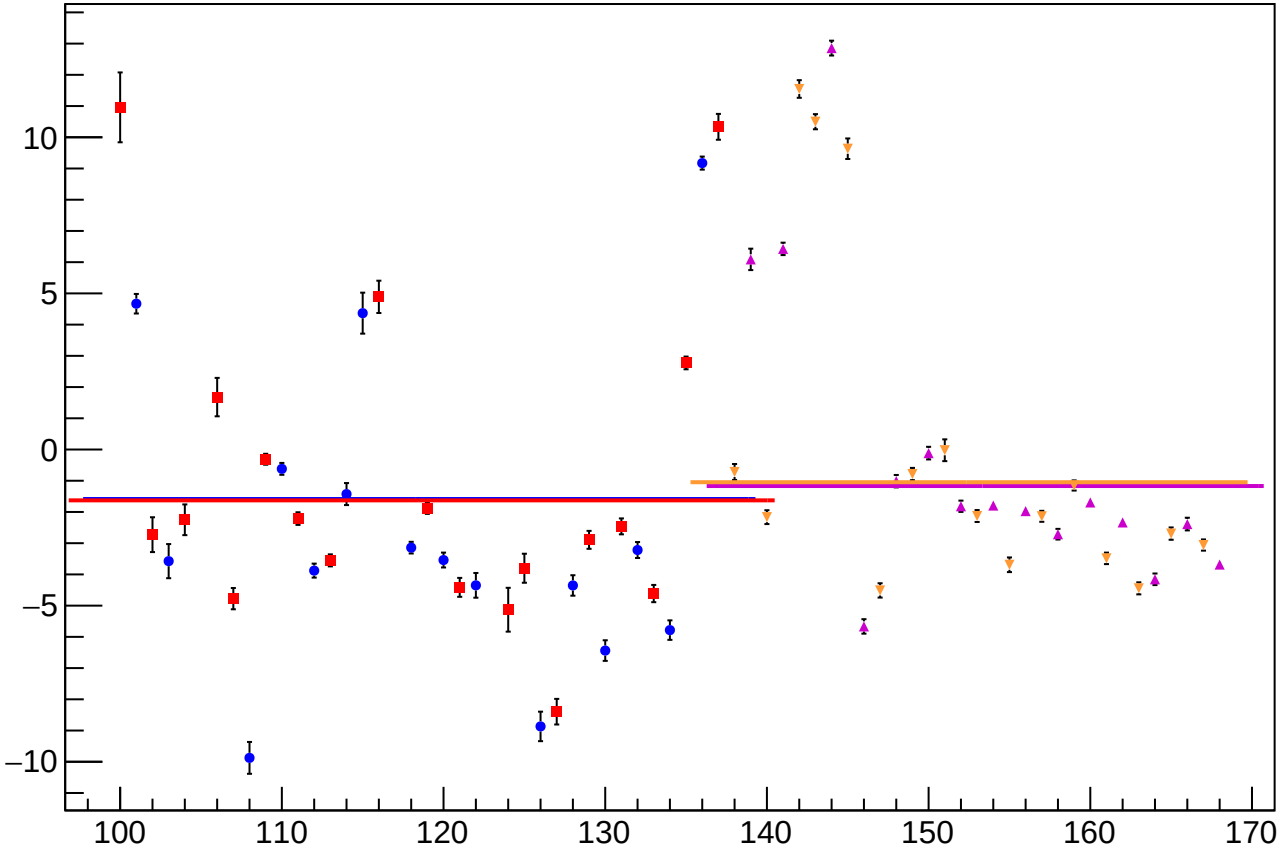
Left In: -4.413+/-0.053 χ^2/NDF:115941.5/14

+ sign -2.091+/-0.046 χ^2/NDF: 242509.0/31

All: -1.078+/-0.030 χ^2/NDF: 447422.5/65

- sign -0.303+/-0.040 χ^2/NDF: 204044.9/33

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.047+/-0.053 χ^2/NDF:6449.2/15

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

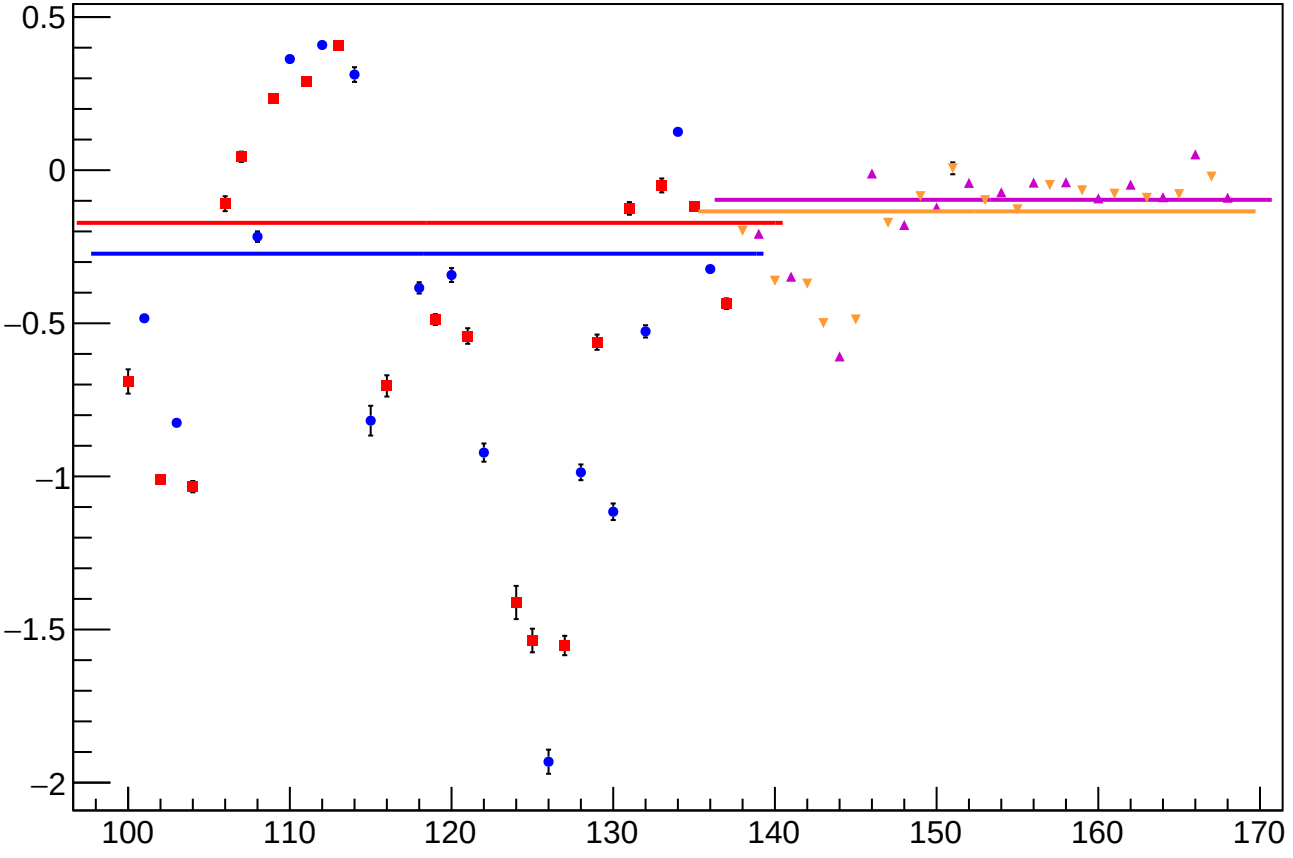
Left In: -1.170+/-0.045 χ^2/NDF:6550.2/14

+ sign -1.241+/-0.042 χ^2/NDF: 10958.9/31

All: -1.283+/-0.028 χ^2/NDF: 19966.2/65

- sign -1.316+/-0.037 χ^2/NDF: 9005.5/33

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.134+/-0.002 χ^2/NDF:3081.2/15

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

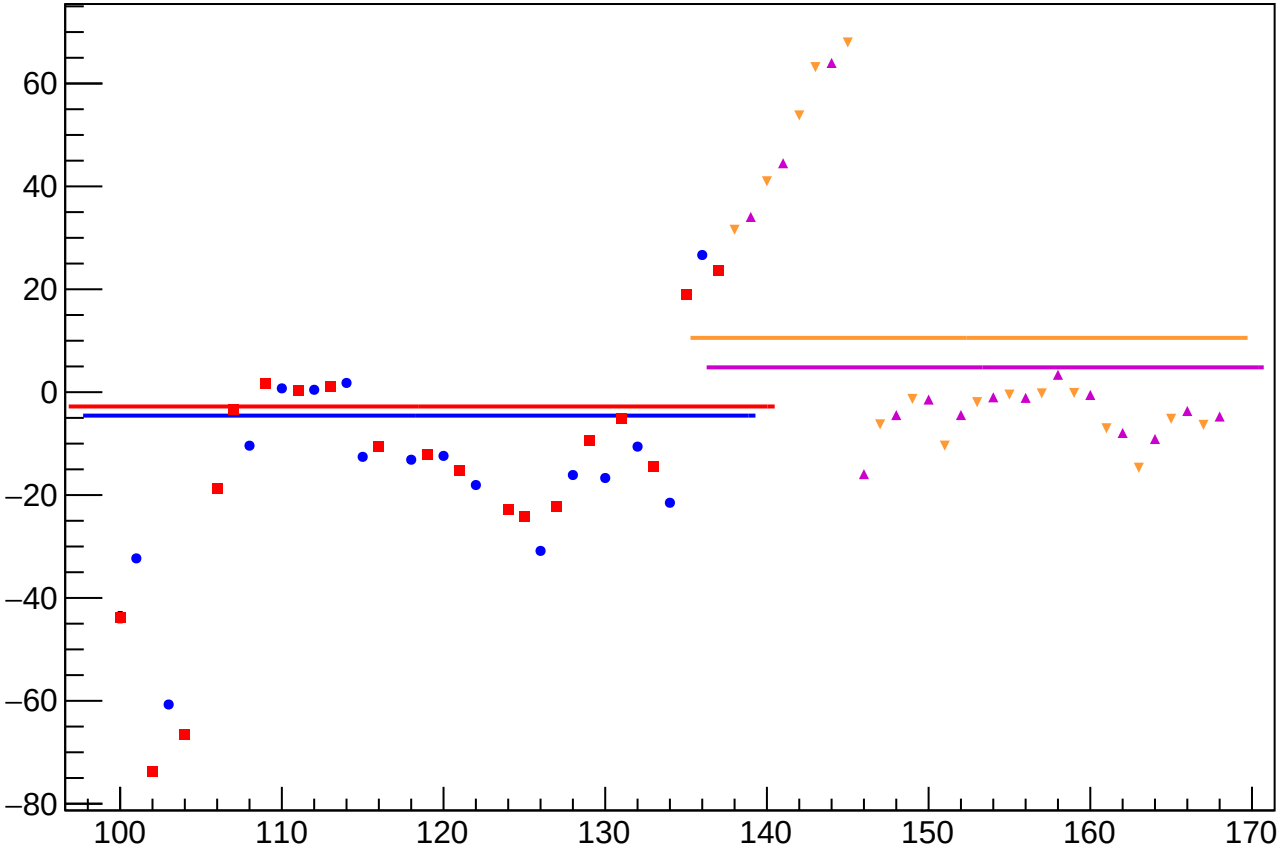
Left In: -0.097+/-0.002 χ^2/NDF:3227.9/14

+ sign -0.167+/-0.002 χ^2/NDF: 15758.8/31

All: -0.134+/-0.001 χ^2/NDF: 35043.0/65

- sign -0.111+/-0.002 χ^2/NDF: 18854.1/33

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 10.557+/-0.065 χ^2/NDF:141859.0/15

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

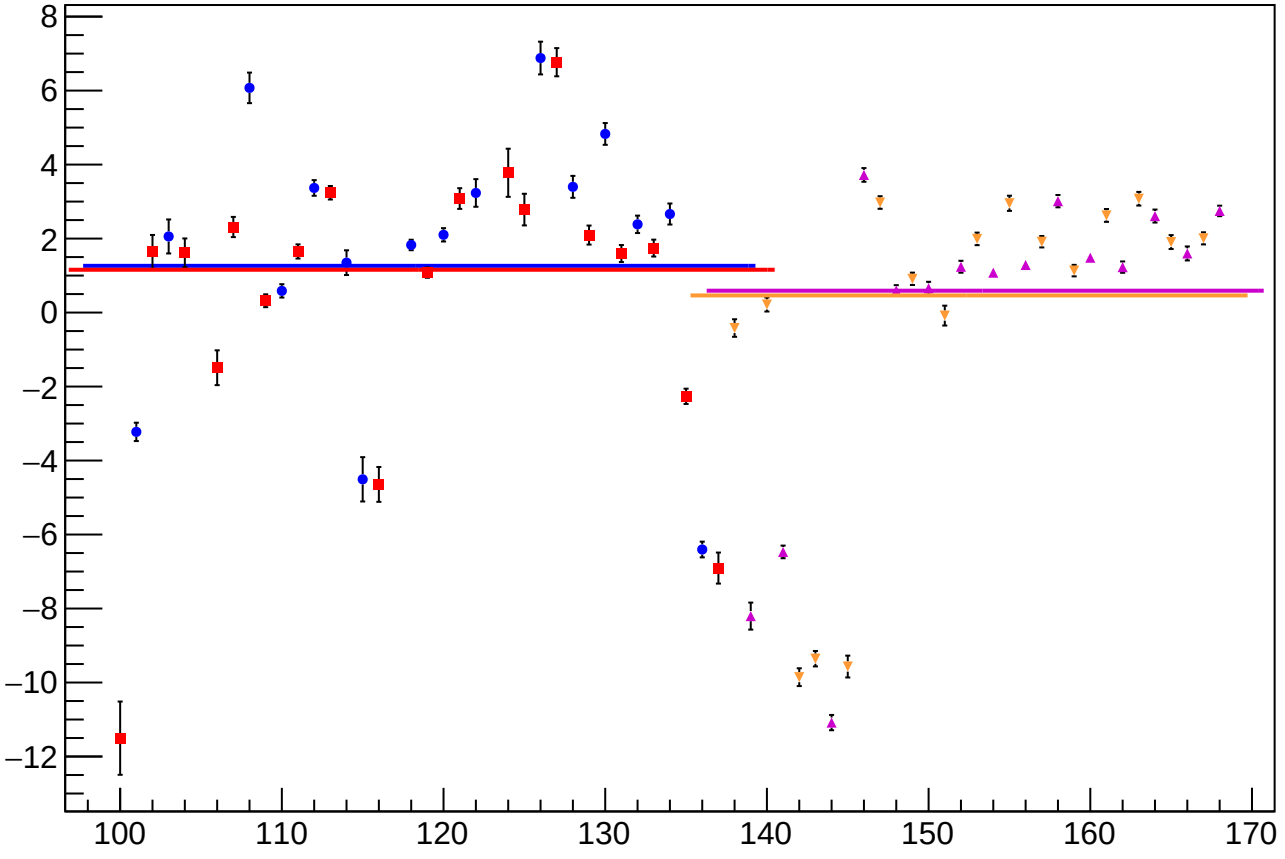
Left In: 4.821+/-0.056 χ^2/NDF:116845.3/14

+ sign 1.972+/-0.043 χ^2/NDF: 245080.1/31

All: 1.111+/-0.028 χ^2/NDF: 451061.6/65

- sign 0.480+/-0.037 χ^2/NDF: 205280.2/33

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.463+/-0.047 χ^2/NDF:6300.1/15

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

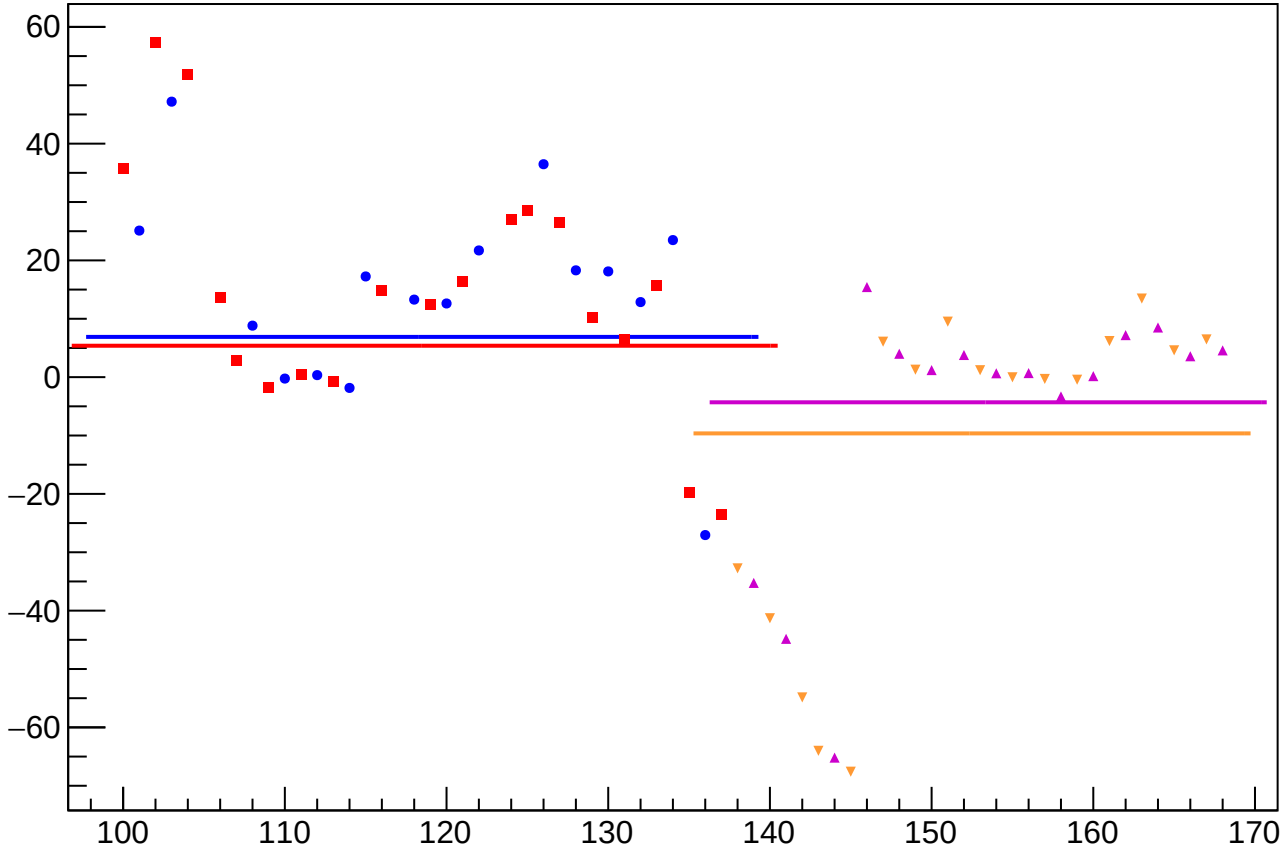
Left In: 0.591+/-0.040 χ^2/NDF:6496.8/14

+ sign 0.756+/-0.038 χ^2/NDF: 8849.5/31

All: 0.764+/-0.025 χ^2/NDF: 16899.5/65

- sign 0.771+/-0.033 χ^2/NDF: 8050.0/33

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -9.637+/-0.063 χ^2/NDF:138842.6/15

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

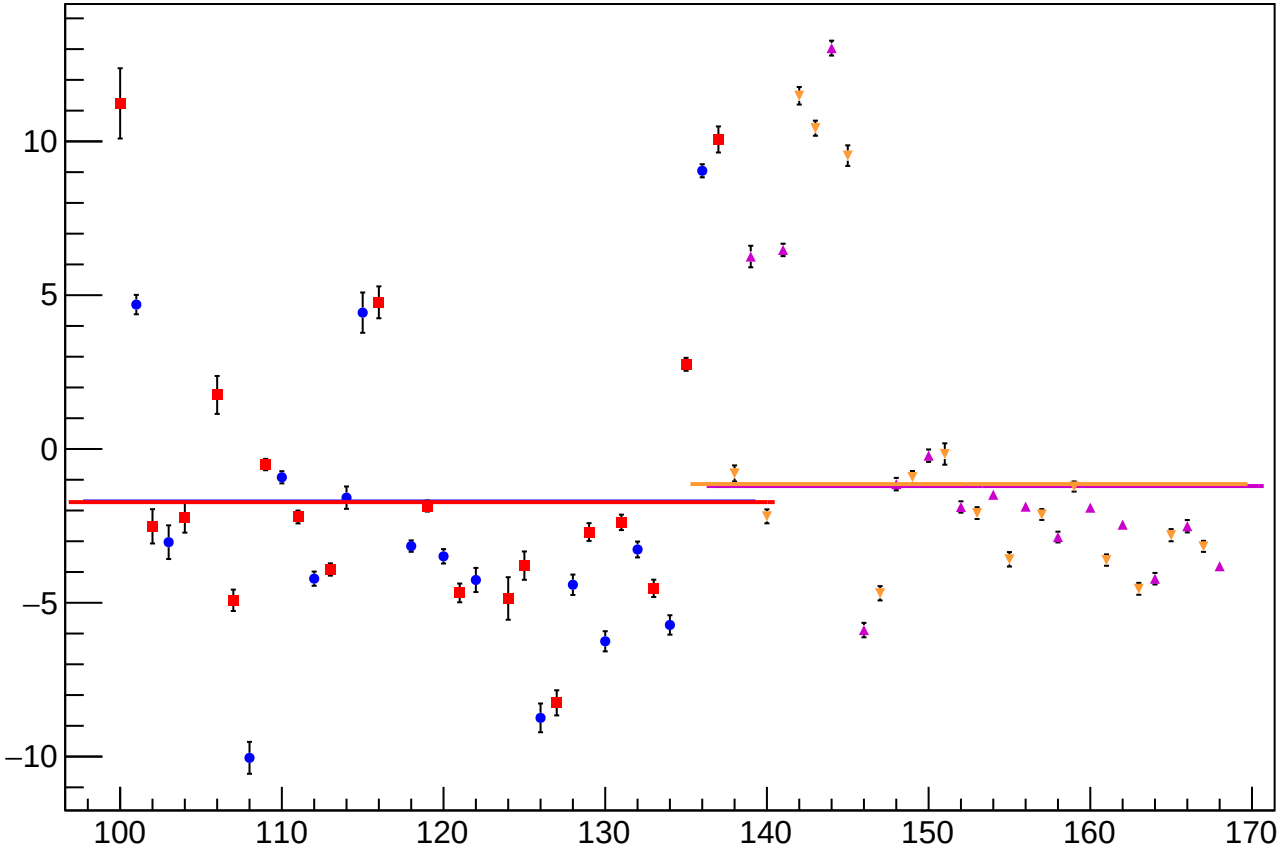
Left In: -4.309+/-0.054 χ^2/NDF:114682.9/14

+ sign -1.860+/-0.046 χ^2/NDF: 238786.6/31

All: -0.872+/-0.031 χ^2/NDF: 440488.6/65

- sign -0.108+/-0.041 χ^2/NDF: 200890.2/33

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.141+/-0.053 χ^2/NDF:6297.3/15

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

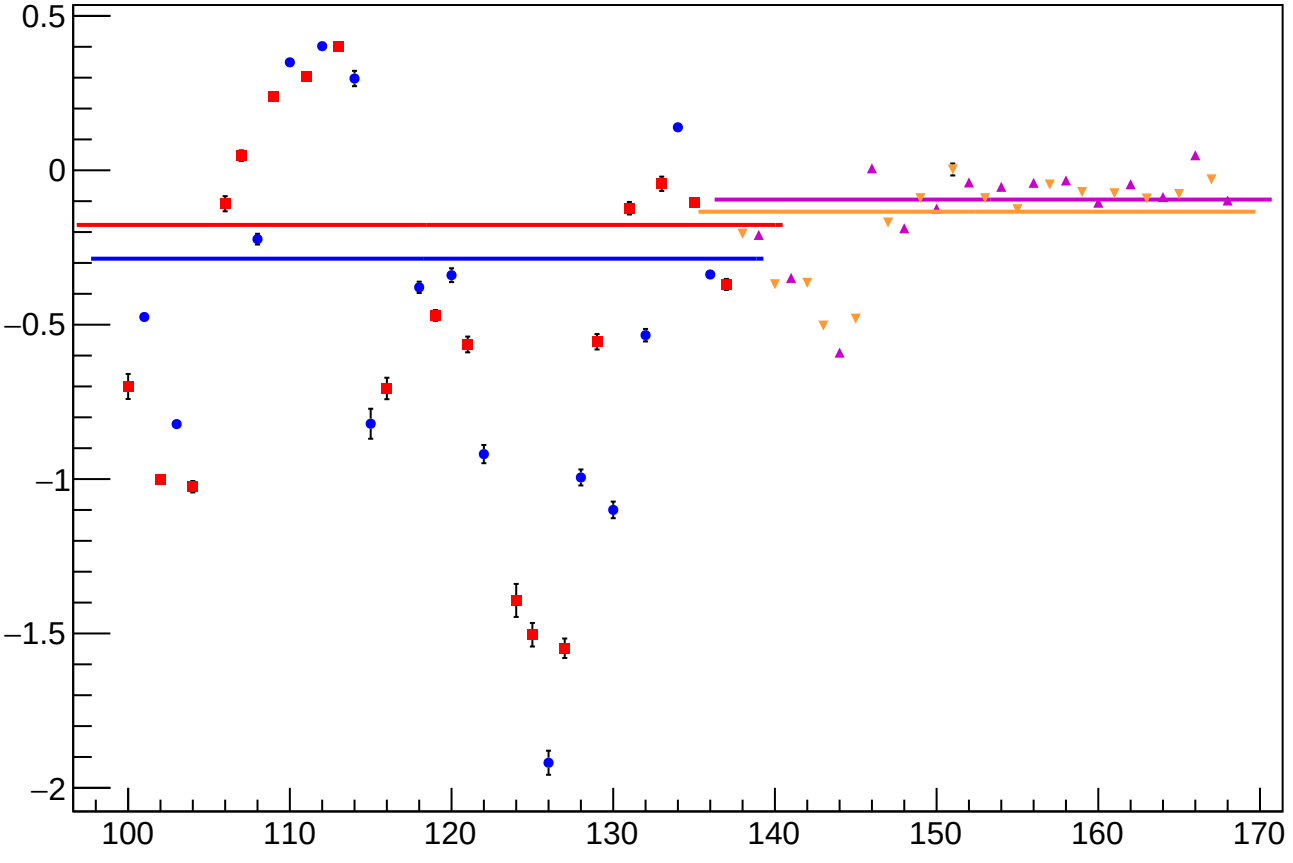
Left In: -1.205+/-0.046 χ^2/NDF:6540.3/14

+ sign -1.344+/-0.043 χ^2/NDF: 10627.4/31

All: -1.359+/-0.028 χ^2/NDF: 19519.1/65

- sign -1.371+/-0.038 χ^2/NDF: 8891.4/33

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.134+/-0.002 χ^2/NDF:3007.5/15

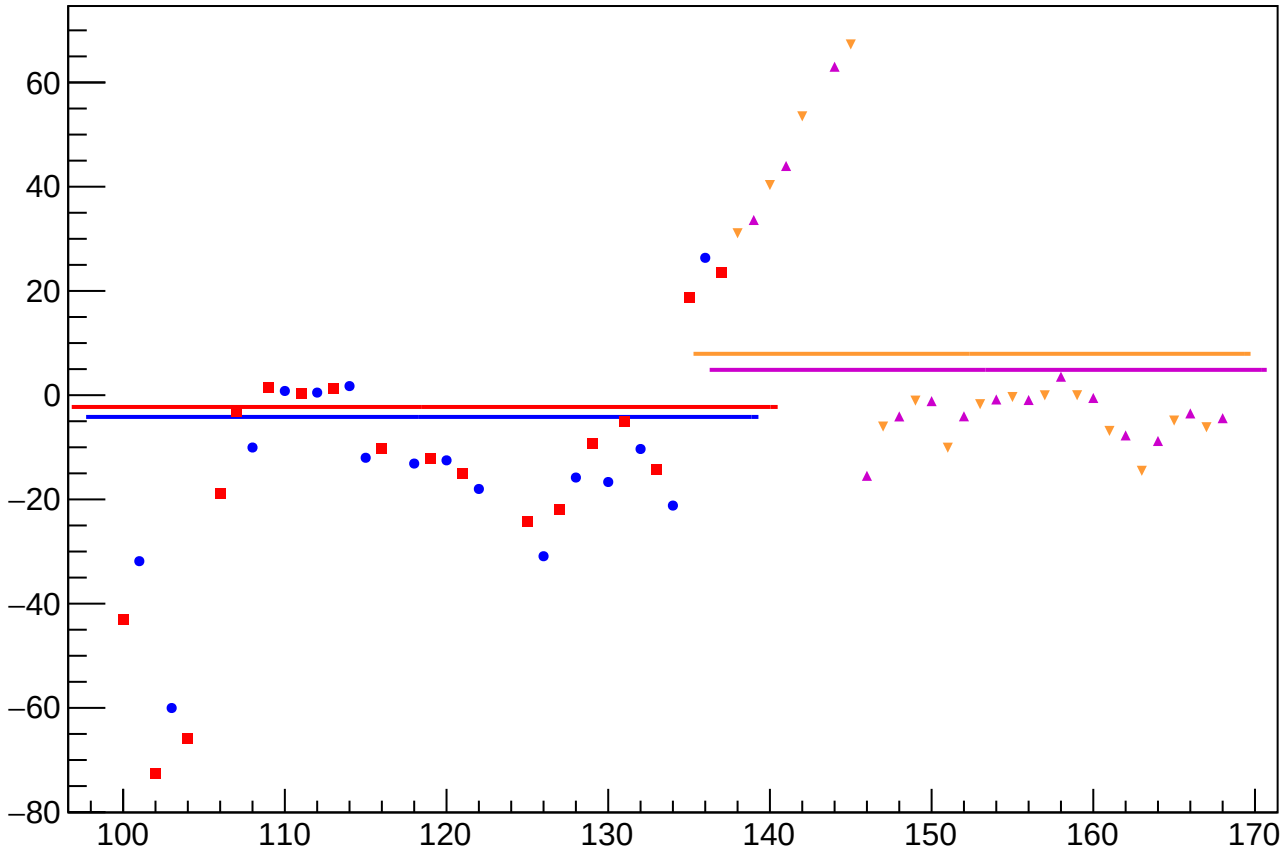
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.095+/-0.002 χ^2/NDF:3119.0/14

+ sign -0.169+/-0.002 χ^2/NDF: 15339.4/31

All: -0.135+/-0.001 χ^2/NDF: 34044.7/65

- sign -0.111+/-0.002 χ^2/NDF: 18234.5/33



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 7.938+/-0.065 χ^2/NDF:110067.9/14

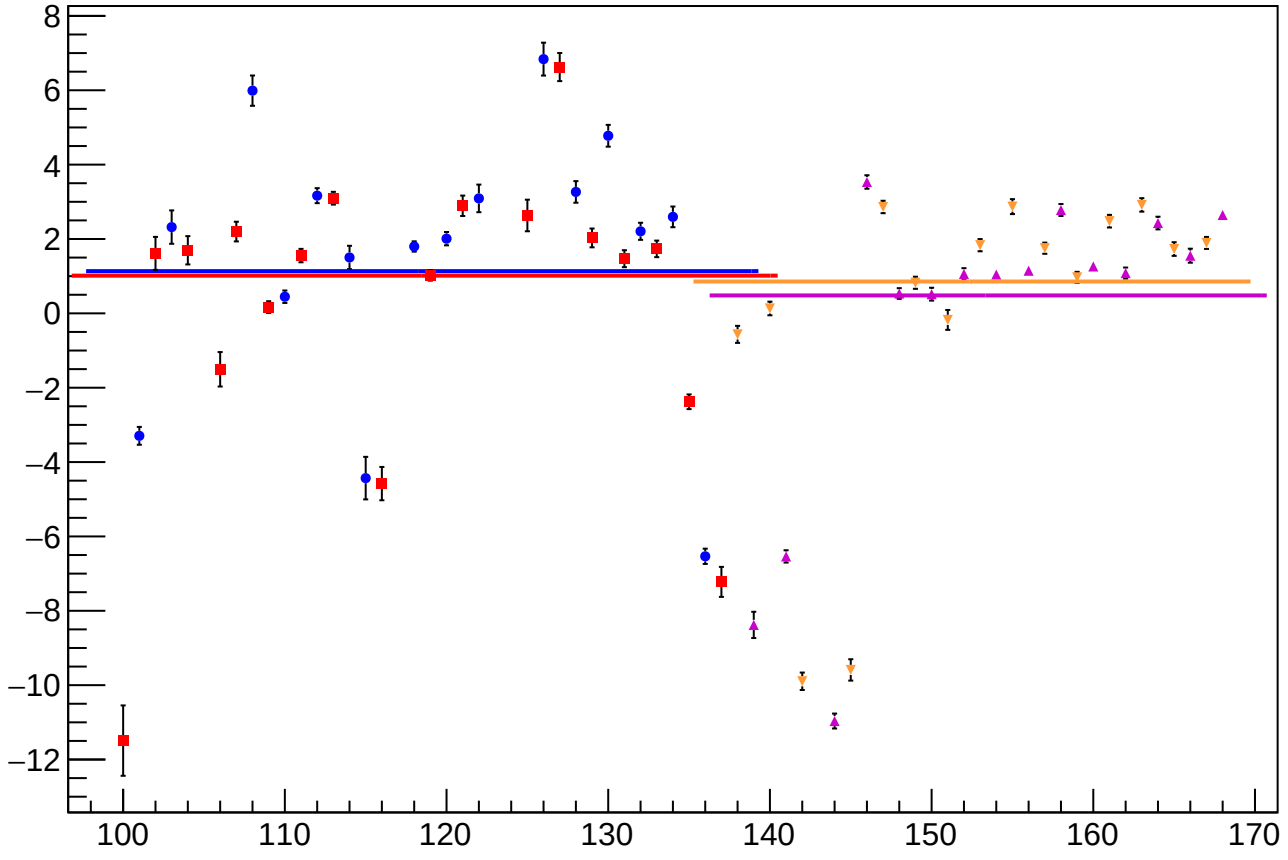
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 4.859+/-0.054 χ^2/NDF:120229.4/14

+ sign 0.816+/-0.042 χ^2/NDF: 205840.6/30

All: 0.772+/-0.027 χ^2/NDF: 415786.1/63

- sign 0.742+/-0.035 χ^2/NDF: 209943.7/32



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.856+/-0.047 χ^2/NDF:4096.0/14

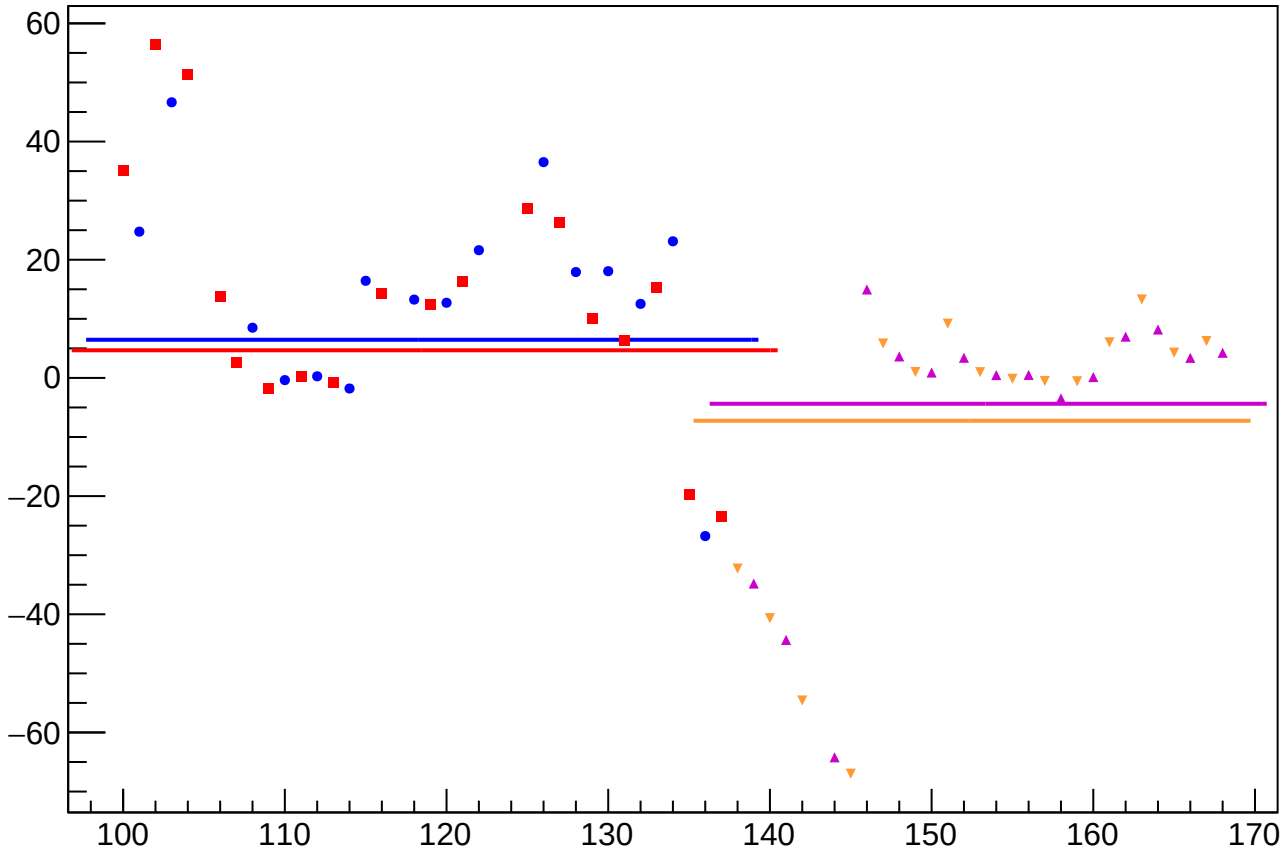
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.482+/-0.039 χ^2/NDF:6717.2/14

+ sign 0.962+/-0.037 χ^2/NDF: 6705.0/30

All: 0.783+/-0.024 χ^2/NDF: 15115.5/63

- sign 0.649+/-0.032 χ^2/NDF: 8369.7/32



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -7.253+/-0.063 χ^2/NDF:106978.9/14

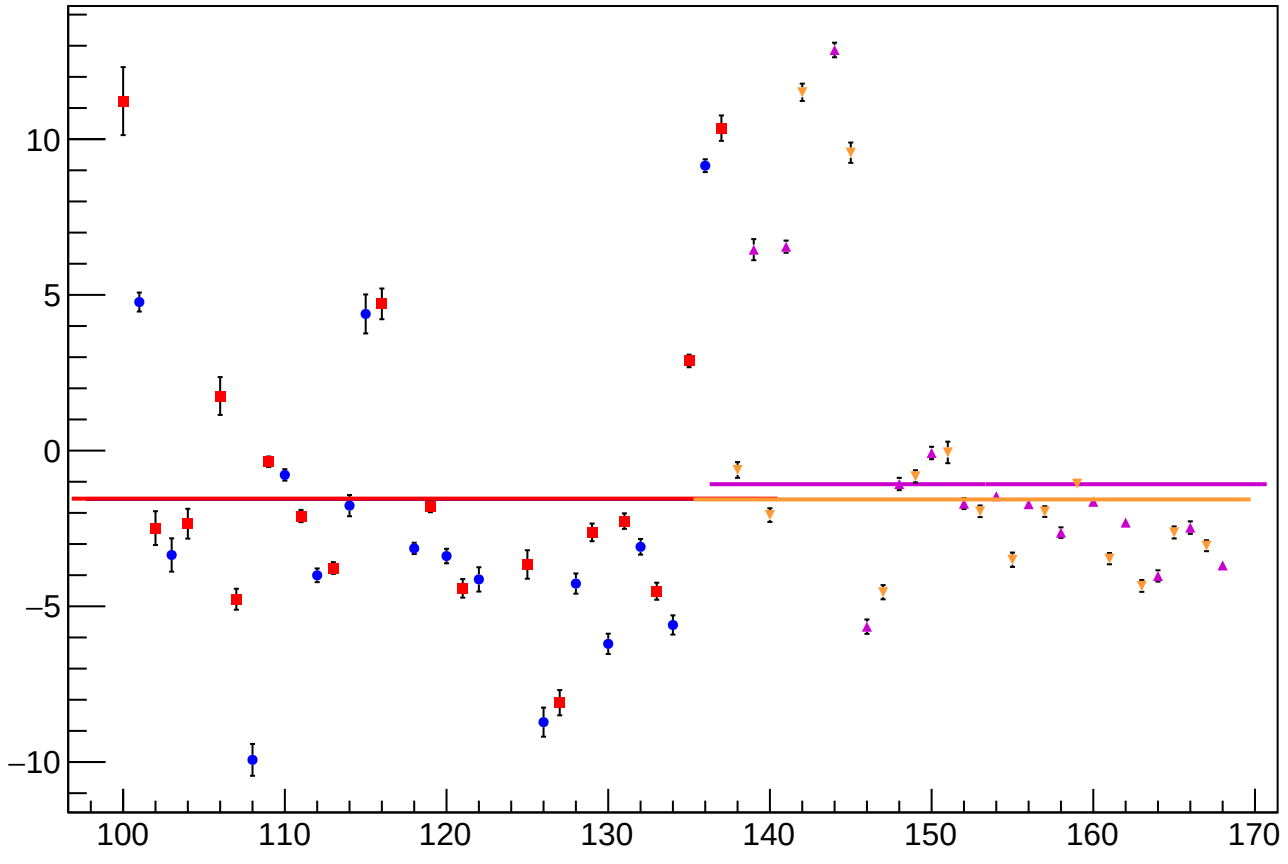
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -4.375+/-0.052 χ^2/NDF:118066.8/14

+ sign -0.581+/-0.045 χ^2/NDF: 200640.4/30

All: -0.494+/-0.030 χ^2/NDF: 406369.4/63

- sign -0.431+/-0.039 χ^2/NDF: 205722.7/32



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.568+/-0.053 χ^2/NDF:4098.7/14

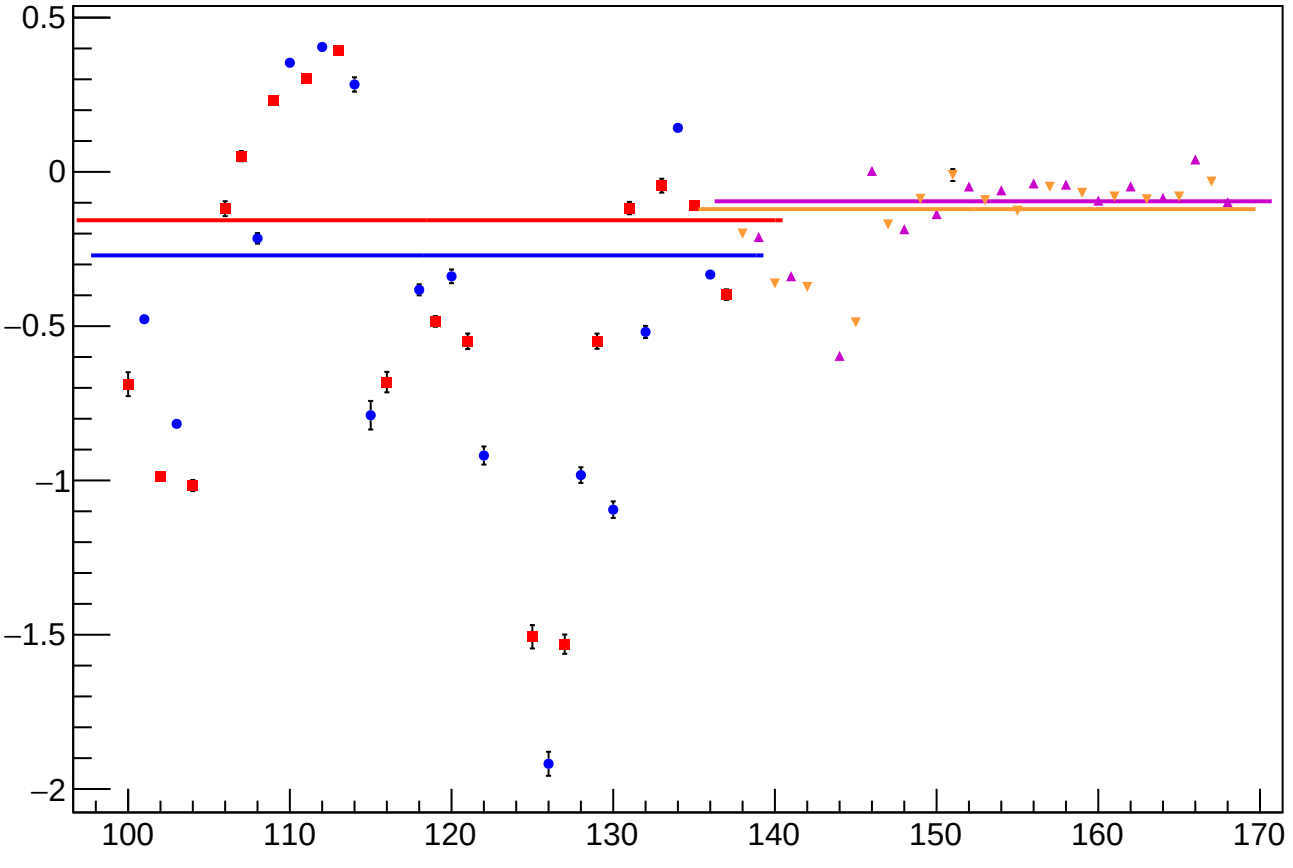
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.079+/-0.044 χ^2/NDF:6740.2/14

+ sign -1.562+/-0.042 χ^2/NDF: 8642.3/30

All: -1.369+/-0.028 χ^2/NDF: 17927.2/63

- sign -1.226+/-0.036 χ^2/NDF: 9248.5/32



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.121+/-0.002 χ^2/NDF:2140.7/14

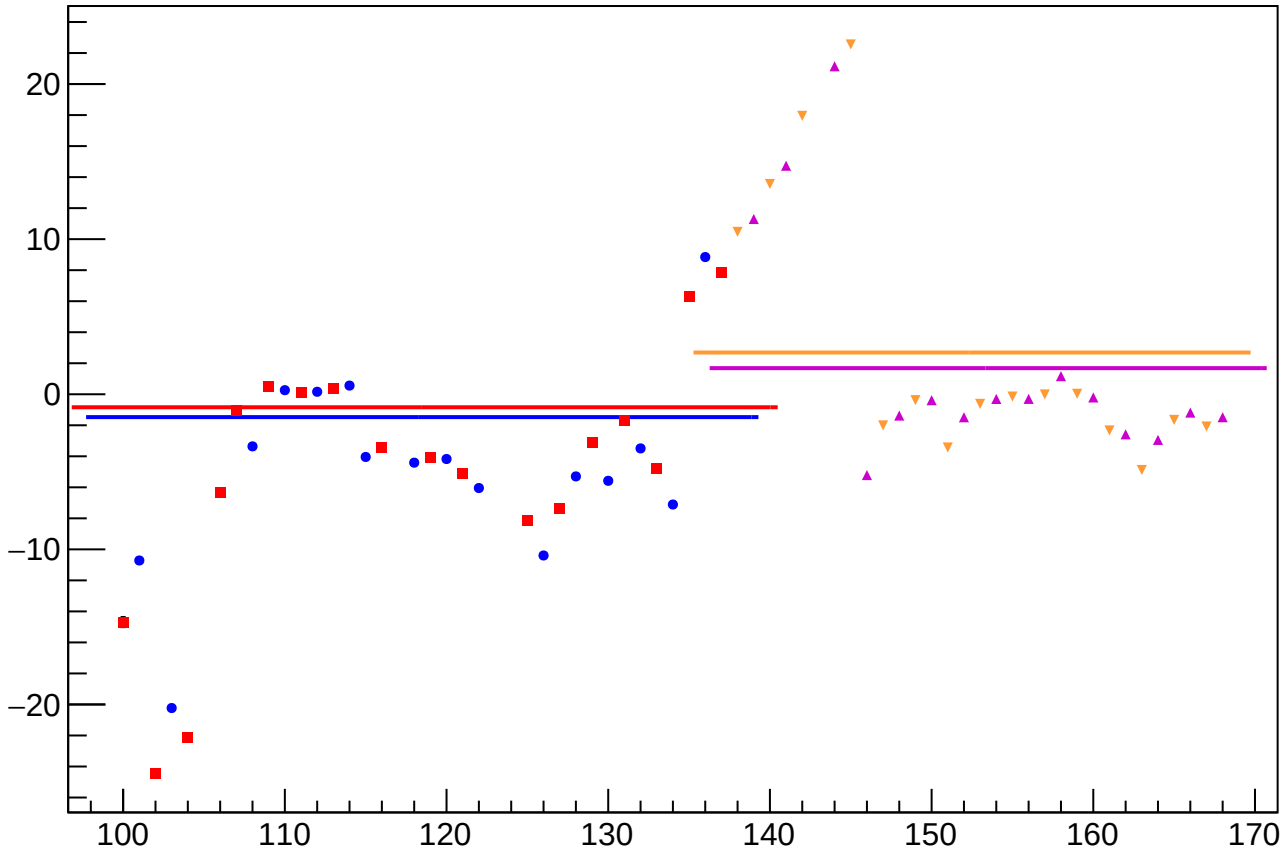
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.095+/-0.002 χ^2/NDF:3230.1/14

+ sign -0.157+/-0.002 χ^2/NDF: 15233.4/30

All: -0.127+/-0.001 χ^2/NDF: 34048.8/63

- sign -0.107+/-0.002 χ^2/NDF: 18460.9/32



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 2.692+/-0.022 χ^2/NDF:108149.1/14

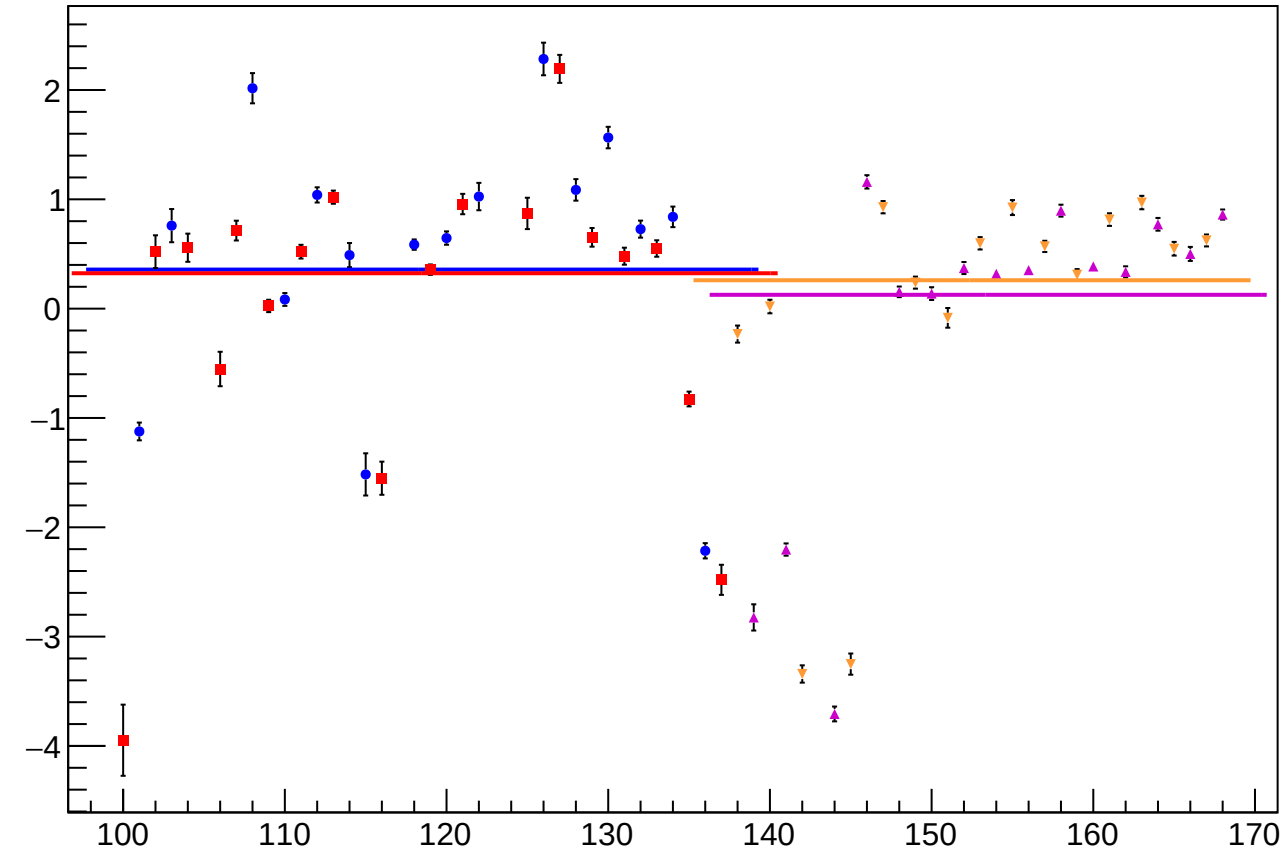
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 1.684+/-0.019 χ^2/NDF:117592.1/14

+ sign 0.260+/-0.014 χ^2/NDF: 202441.6/30

All: 0.249+/-0.009 χ^2/NDF: 408642.2/63

- sign 0.241+/-0.012 χ^2/NDF: 206199.6/32



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.260+/-0.016 χ^2/NDF:4045.5/14

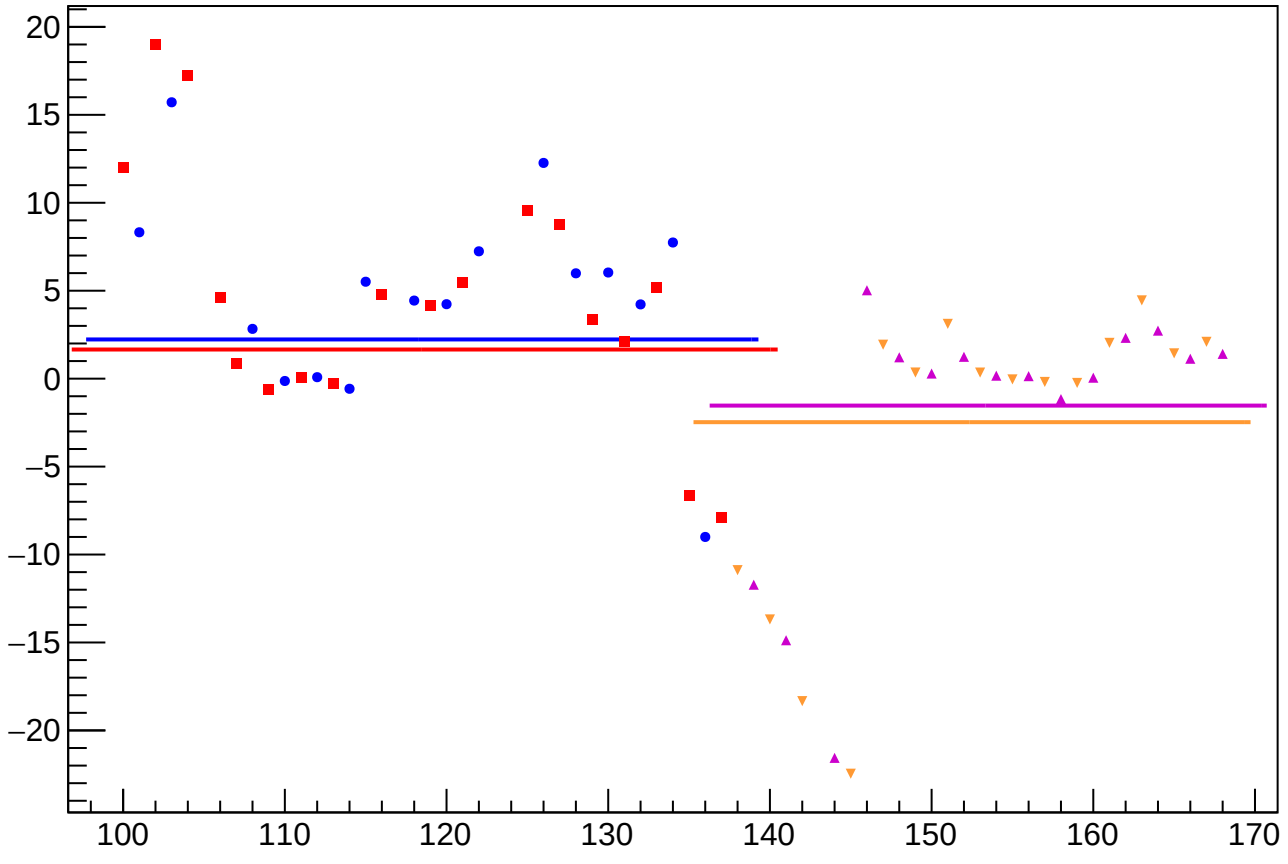
Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.127+/-0.013 χ^2/NDF:6546.8/14

+ sign 0.297+/-0.013 χ^2/NDF: 6602.5/30

All: 0.235+/-0.008 χ^2/NDF: 14818.5/63

- sign 0.188+/-0.011 χ^2/NDF: 8174.5/32



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -2.474+/-0.022 χ^2/NDF:105137.4/14

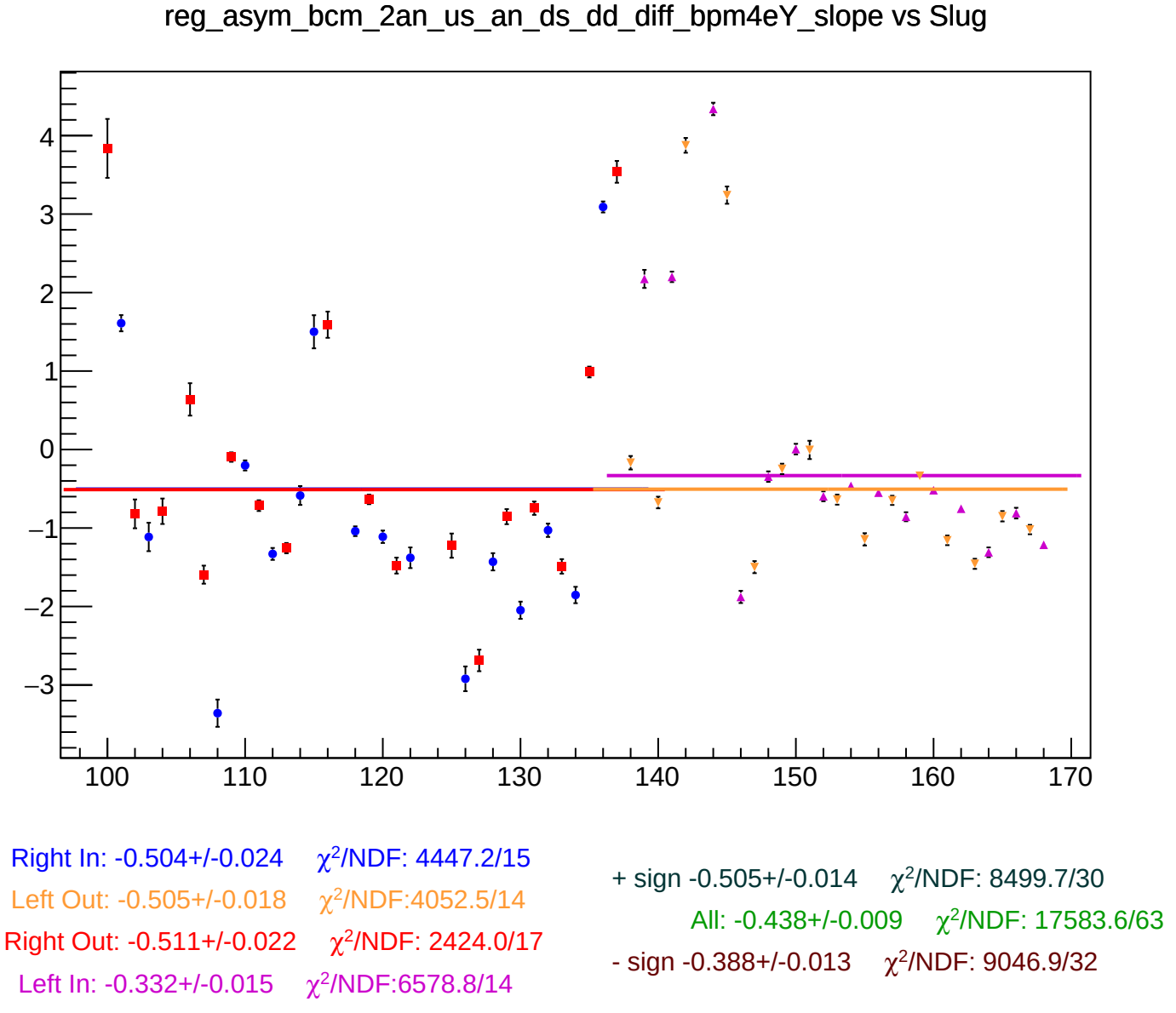
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

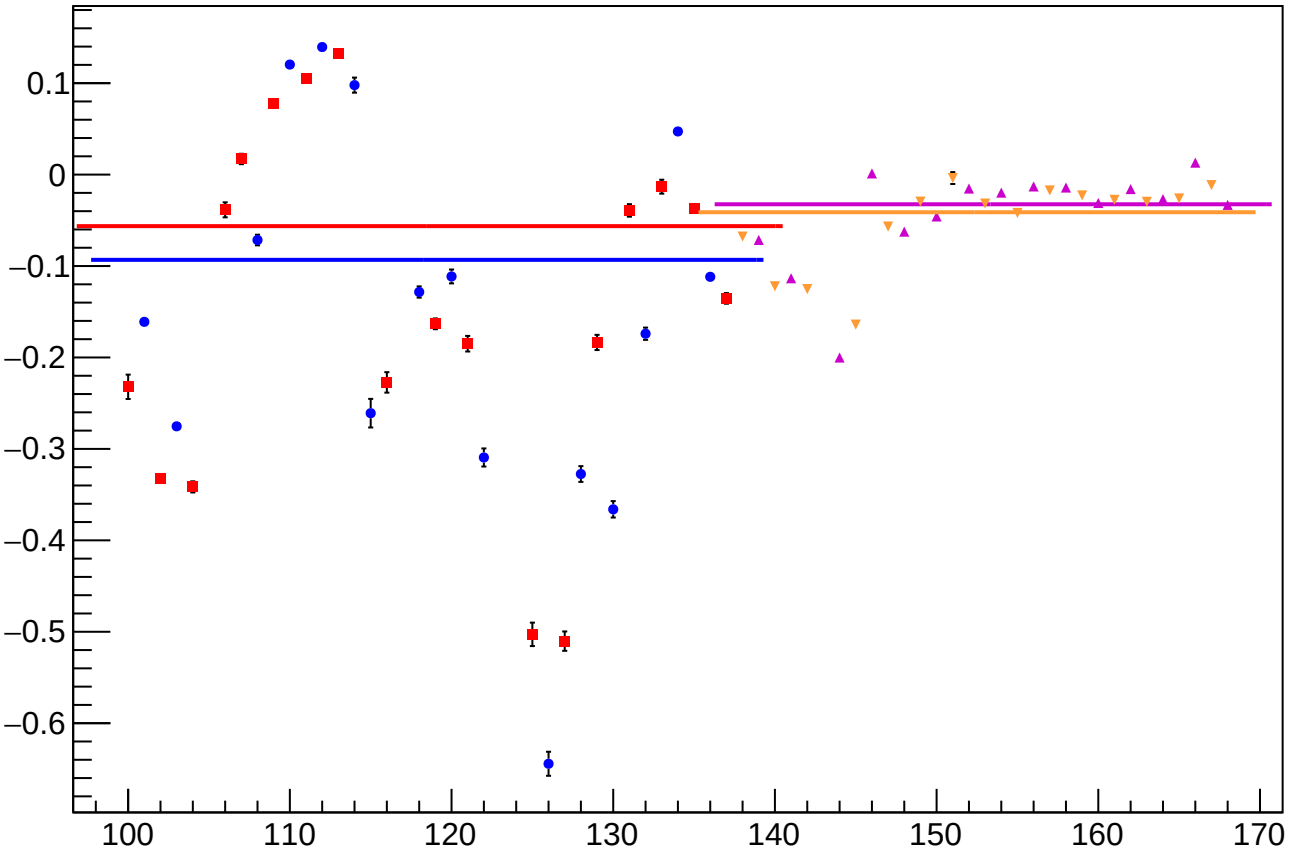
Left In: -1.532+/-0.018 χ^2/NDF:115546.6/14

+ sign -0.195+/-0.015 χ^2/NDF: 197339.3/30

All: -0.170+/-0.010 χ^2/NDF: 399475.0/63

- sign -0.151+/-0.013 χ^2/NDF: 202131.1/32


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.504+/-0.024 χ²/NDF: 4447.2/15
Left Out: -0.505+/-0.018 χ²/NDF:4052.5/14
Right Out: -0.511+/-0.022 χ²/NDF: 2424.0/17
Left In: -0.332+/-0.015 χ²/NDF:6578.8/14
+ sign -0.505+/-0.014 χ²/NDF: 8499.7/30
All: -0.438+/-0.009 χ²/NDF: 17583.6/63
- sign -0.388+/-0.013 χ²/NDF: 9046.9/32



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.041+/-0.001 χ^2/NDF:2094.3/14

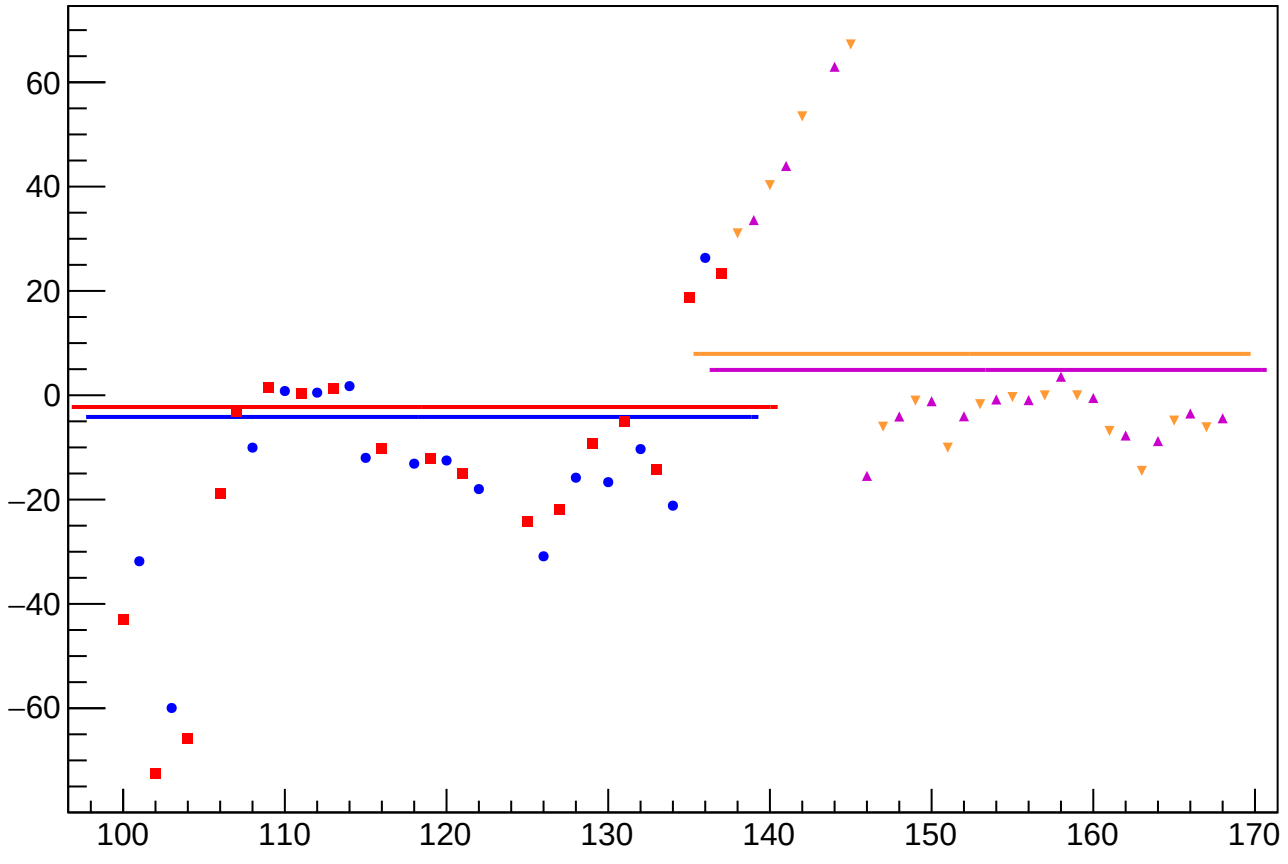
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.032+/-0.001 χ^2/NDF:3153.9/14

+ sign -0.054+/-0.001 χ^2/NDF: 14866.3/30

All: -0.044+/-0.000 χ^2/NDF: 33086.1/63

- sign -0.037+/-0.001 χ^2/NDF: 17881.4/32



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 7.935+/-0.065 χ^2/NDF:110050.2/14

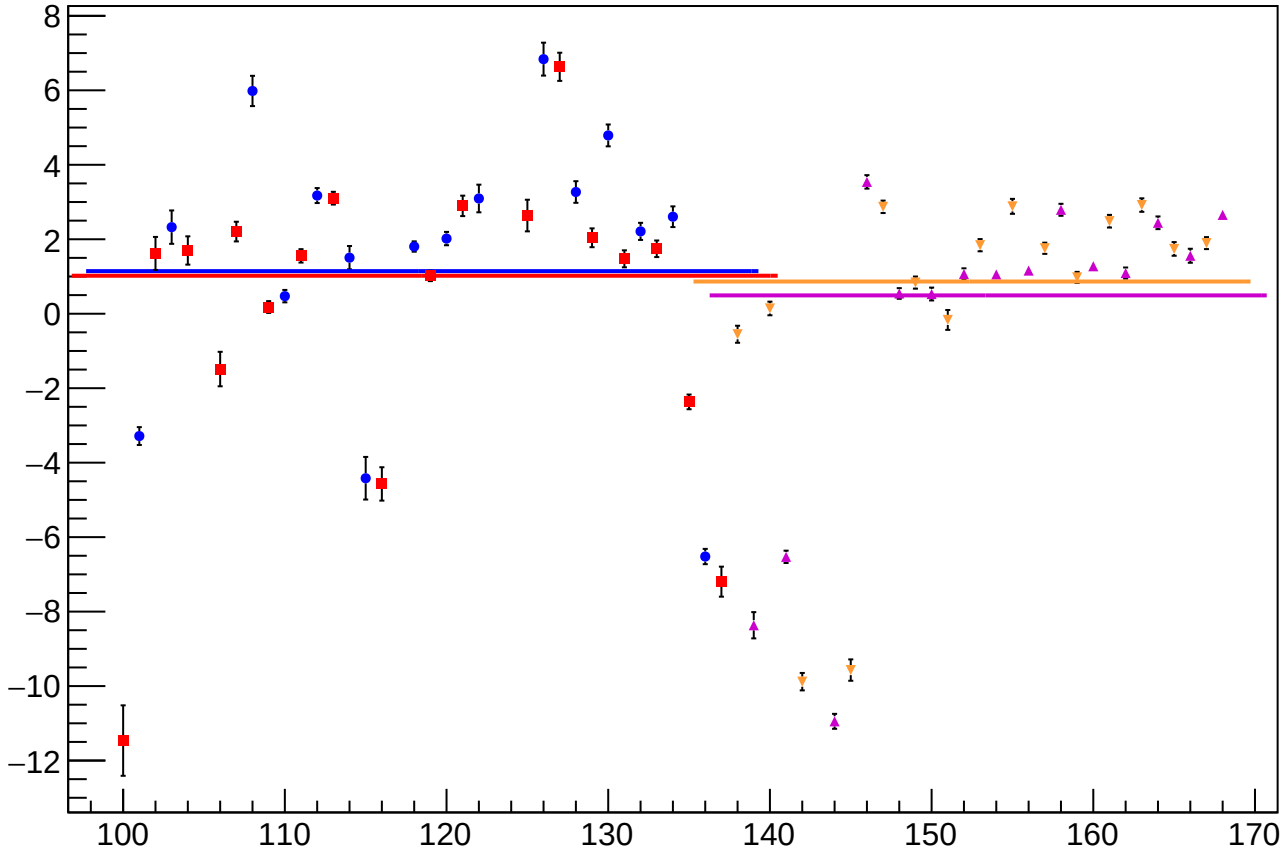
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 4.858+/-0.054 χ^2/NDF:120245.3/14

+ sign 0.820+/-0.042 χ^2/NDF: 205835.6/30

All: 0.776+/-0.027 χ^2/NDF: 415801.0/63

- sign 0.745+/-0.035 χ^2/NDF: 209963.4/32



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.865+/-0.047 χ^2/NDF:4094.8/14

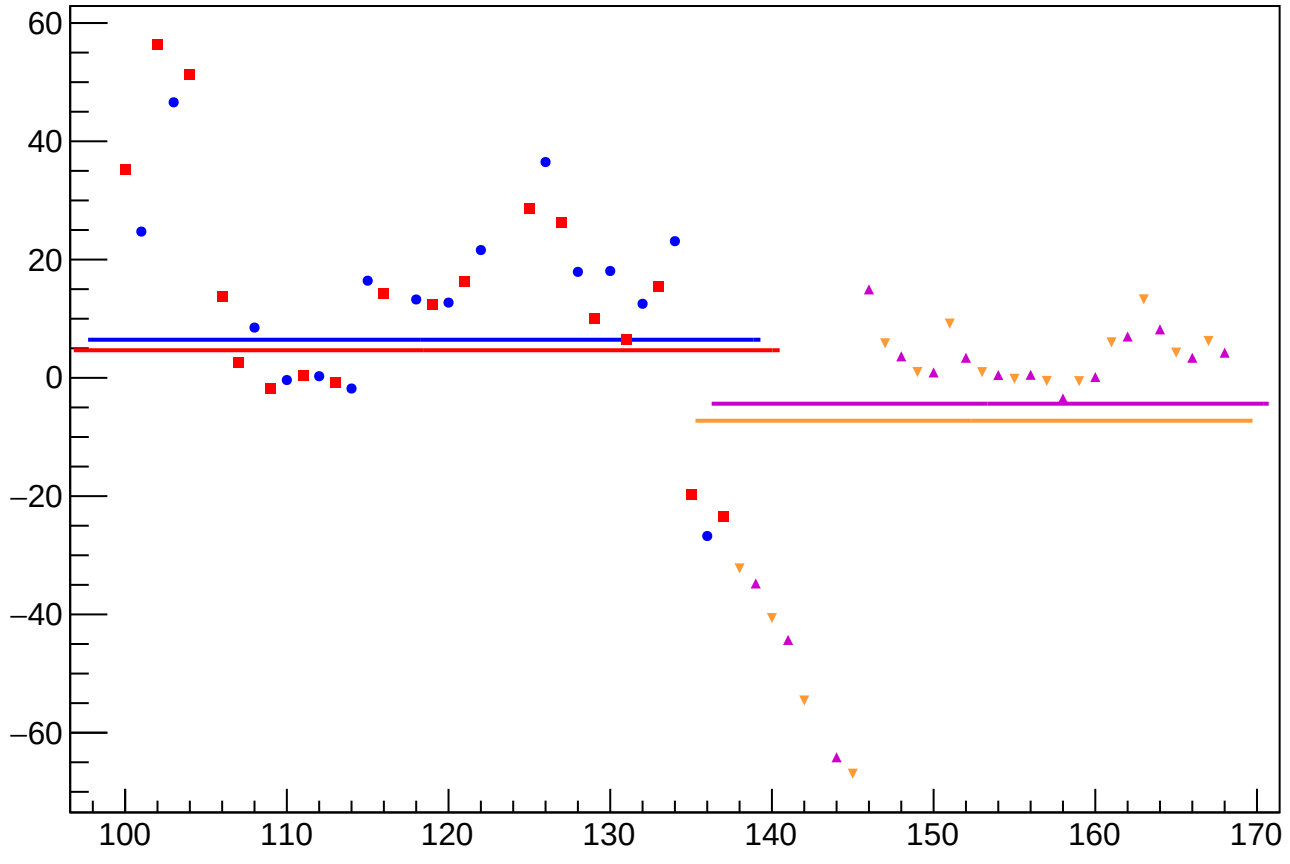
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.492+/-0.039 χ^2/NDF:6722.9/14

+ sign 0.971+/-0.037 χ^2/NDF: 6703.4/30

All: 0.792+/-0.024 χ^2/NDF: 15116.9/63

- sign 0.658+/-0.032 χ^2/NDF: 8372.7/32



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -7.246+/-0.063 χ^2/NDF:106960.2/14

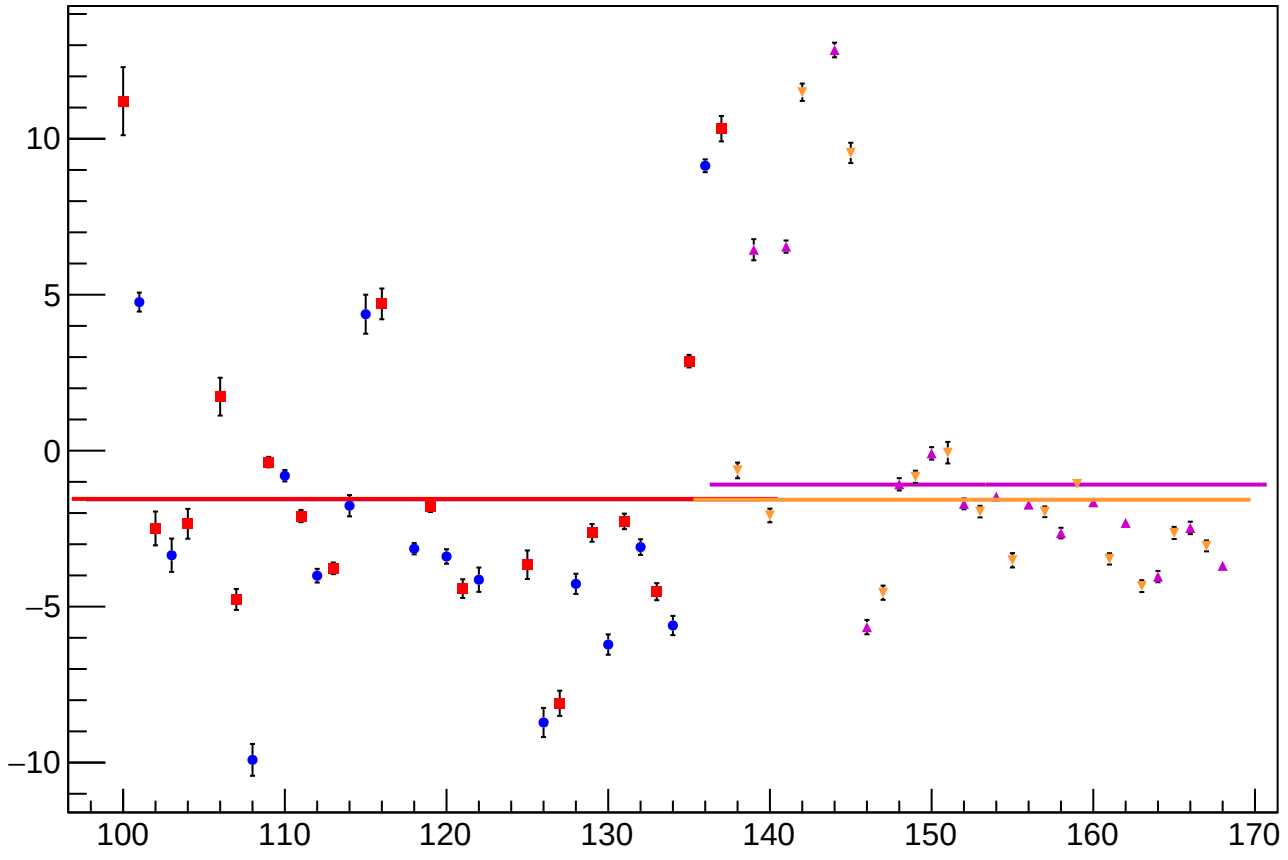
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -4.367+/-0.052 χ^2/NDF:118080.2/14

+ sign -0.580+/-0.045 χ^2/NDF: 200631.3/30

All: -0.492+/-0.030 χ^2/NDF: 406370.5/63

- sign -0.427+/-0.039 χ^2/NDF: 205732.7/32



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.574+/-0.053 χ^2/NDF:4096.7/14

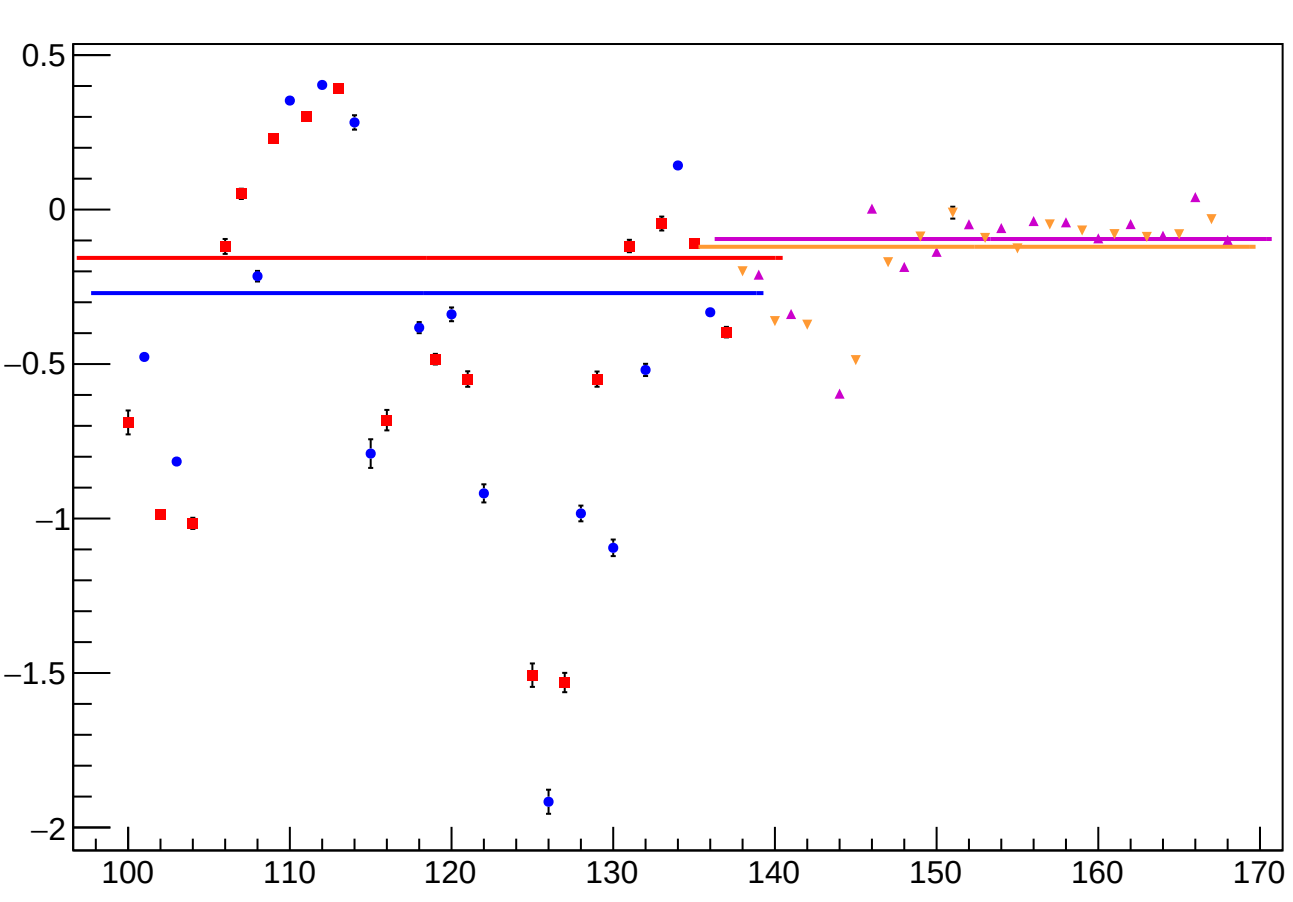
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.088+/-0.044 χ^2/NDF:6745.0/14

+ sign -1.568+/-0.042 χ^2/NDF: 8639.9/30

All: -1.375+/-0.028 χ^2/NDF: 17925.7/63

- sign -1.233+/-0.036 χ^2/NDF: 9249.7/32



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.120+/-0.002 χ^2/NDF:2142.0/14

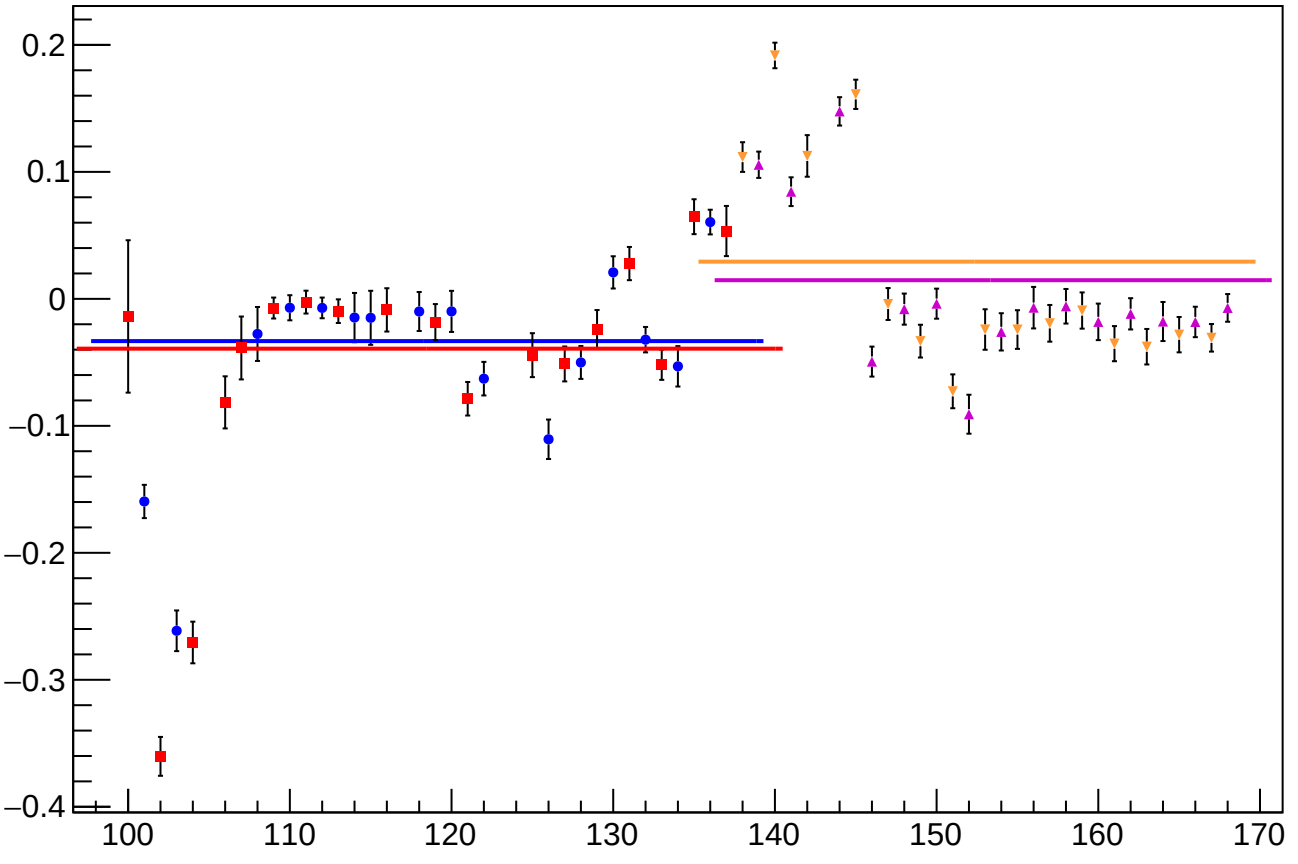
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.095+/-0.002 χ^2/NDF:3230.8/14

+ sign -0.157+/-0.002 χ^2/NDF: 15236.1/30

All: -0.127+/-0.001 χ^2/NDF: 34059.9/63

- sign -0.107+/-0.002 χ^2/NDF: 18470.8/32



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.029+/-0.003 χ^2/NDF:690.1/14

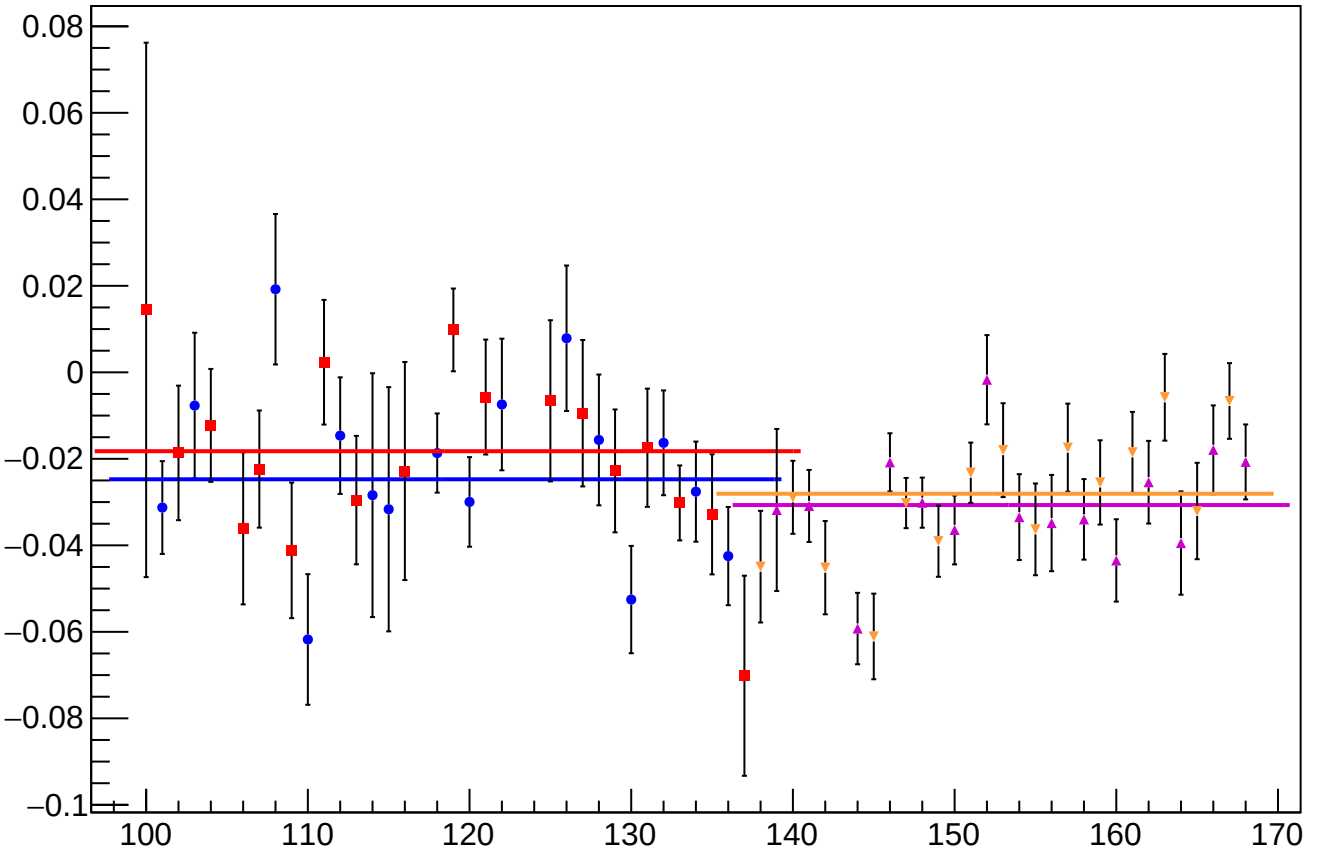
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.015+/-0.003 χ^2/NDF:376.8/14

+ sign -0.003+/-0.002 χ^2/NDF: 1334.3/30

All: -0.008+/-0.002 χ^2/NDF: 2667.8/63

- sign -0.013+/-0.002 χ^2/NDF: 1325.2/32



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.028+/-0.002 χ^2/NDF:32.5/14

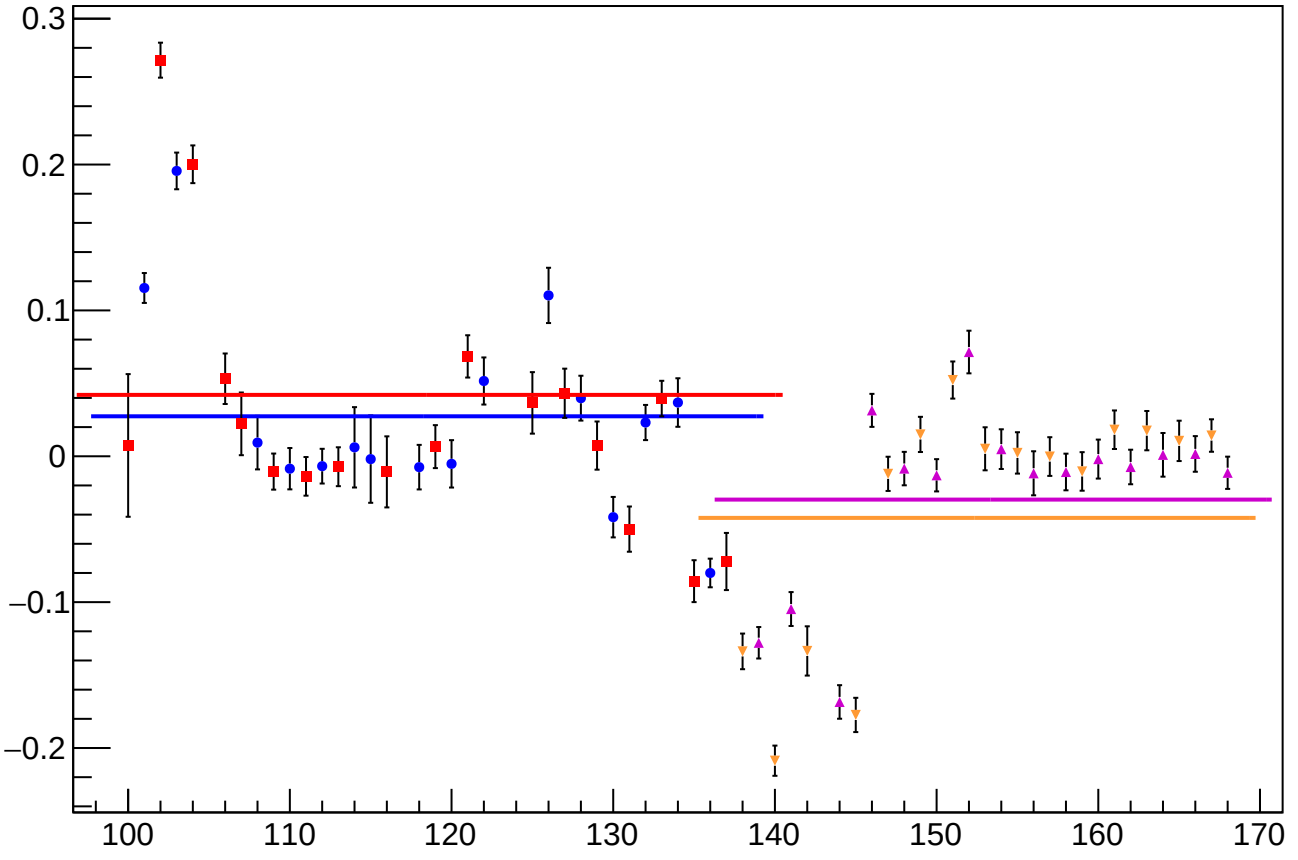
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.031+/-0.002 χ^2/NDF:28.4/14

+ sign -0.027+/-0.002 χ^2/NDF: 61.7/30

All: -0.027+/-0.001 χ^2/NDF: 124.1/63

- sign -0.027+/-0.002 χ^2/NDF: 62.4/32



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.042+/-0.003 χ^2/NDF:677.3/14

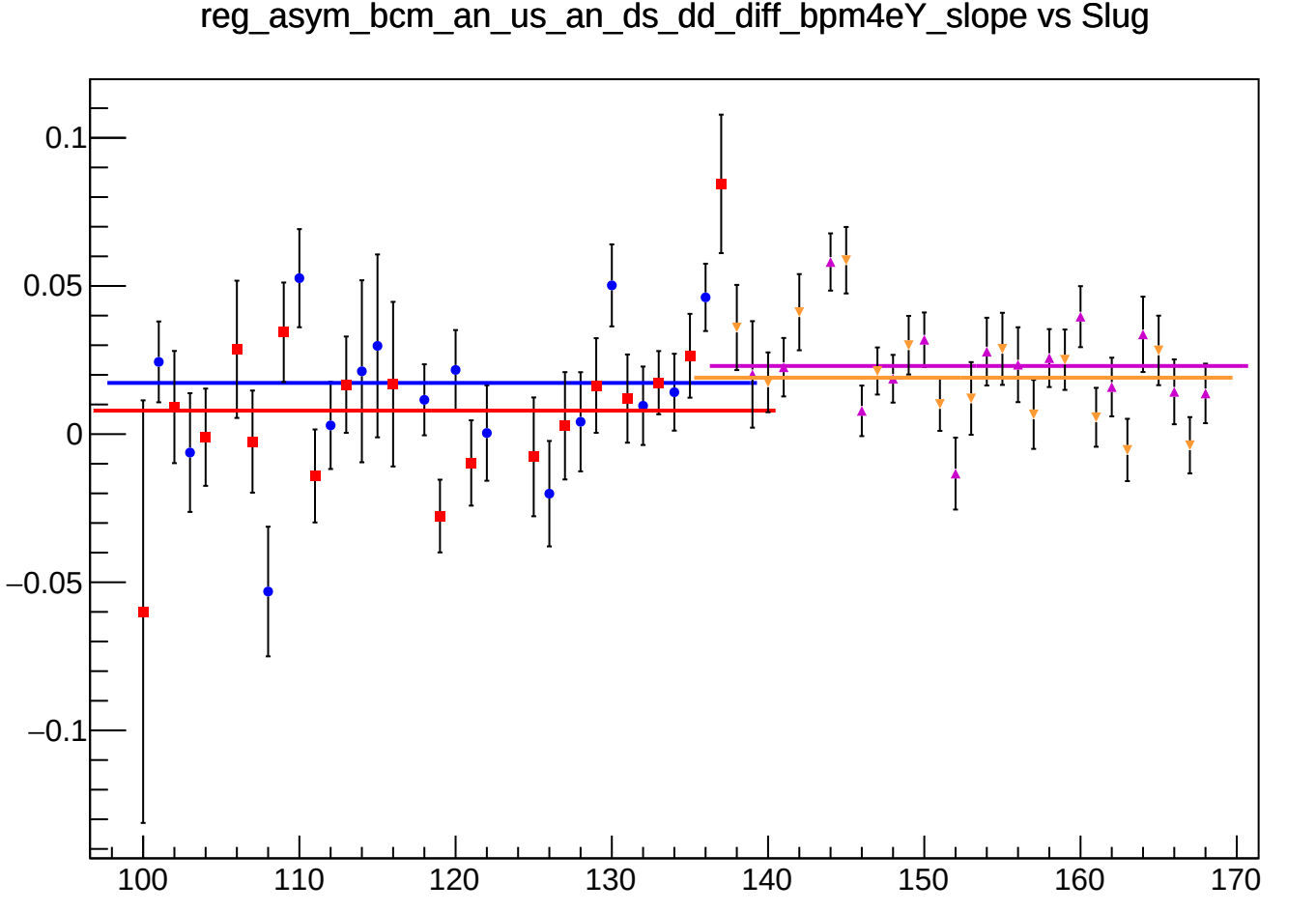
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.030+/-0.003 χ^2/NDF:384.3/14

+ sign -0.010+/-0.002 χ^2/NDF: 1329.2/30

All: -0.004+/-0.002 χ^2/NDF: 2680.0/63

- sign 0.001+/-0.002 χ^2/NDF: 1339.3/32



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.019+/-0.003 χ^2/NDF:35.1/14

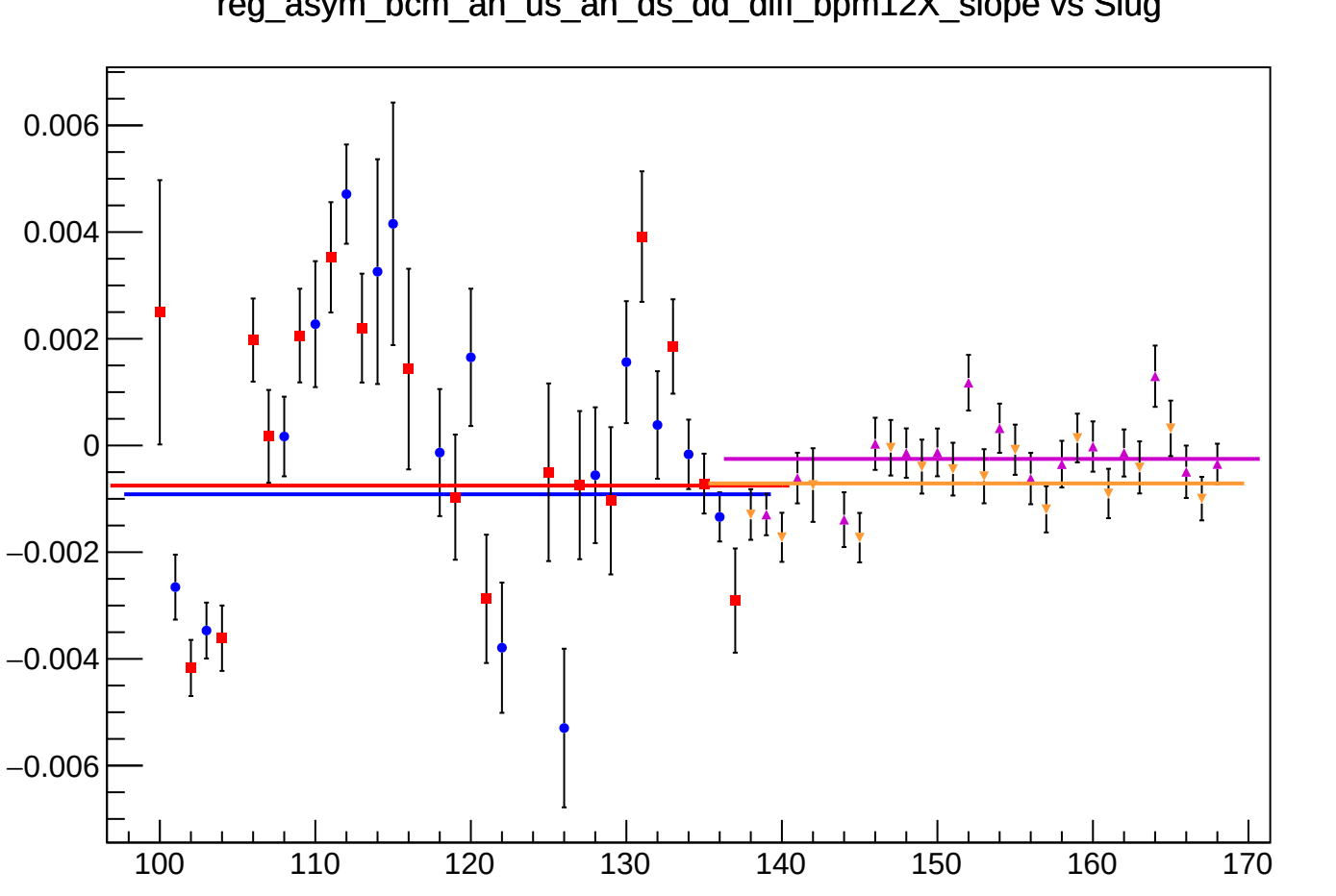
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.023+/-0.003 χ^2/NDF:32.1/14

+ sign 0.018+/-0.002 χ^2/NDF: 71.9/30

All: 0.018+/-0.002 χ^2/NDF: 145.6/63

- sign 0.018+/-0.002 χ^2/NDF: 73.7/32



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:25.0/14

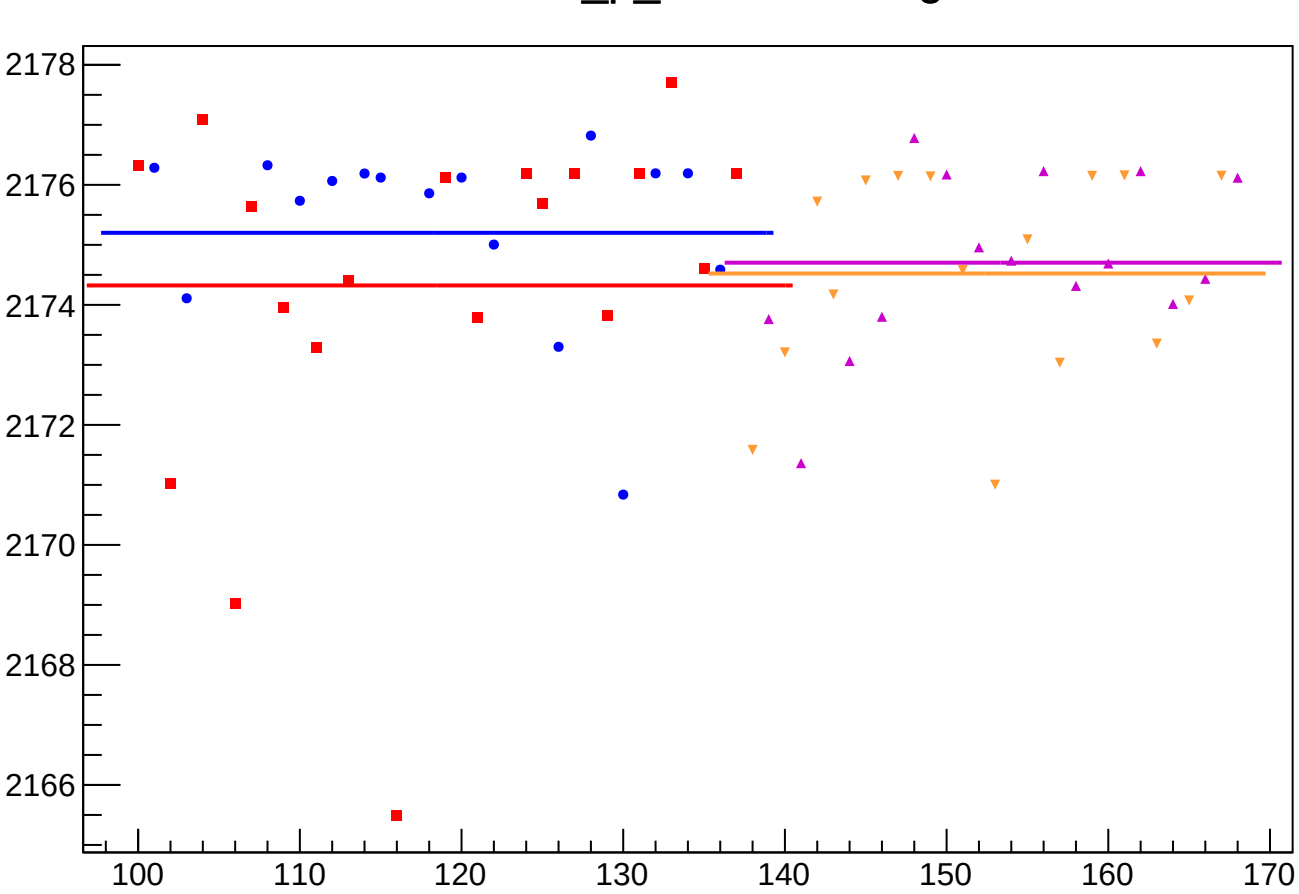
Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:30.7/14

+ sign -0.001+/-0.000 χ^2/NDF: 139.8/30

All: -0.001+/-0.000 χ^2/NDF: 329.2/63

- sign -0.000+/-0.000 χ^2/NDF: 182.5/32



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.523+/-0.000 χ^2/NDF:372201116533141922704647512706252 8.0/15

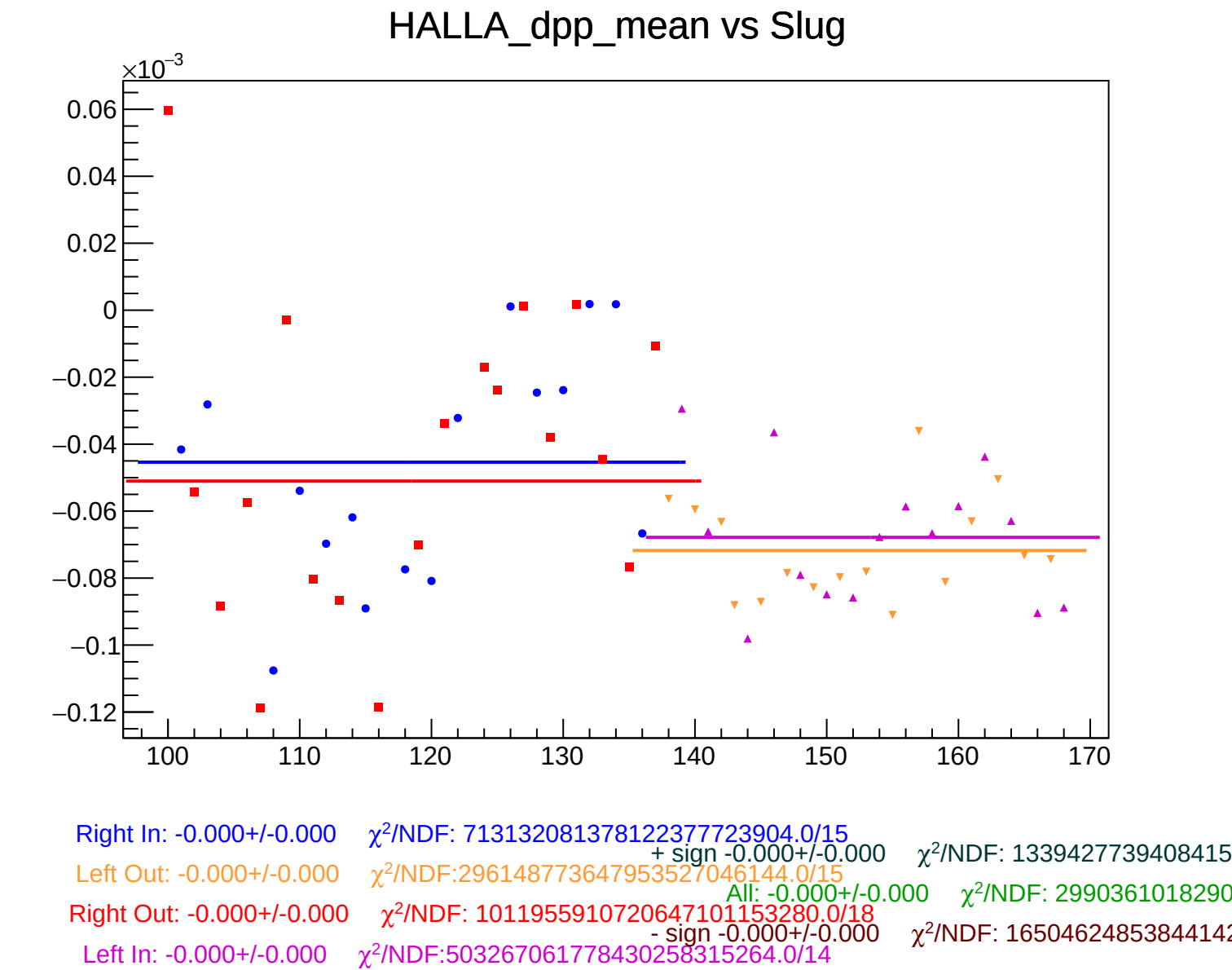
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.703+/-0.000 χ^2/NDF:264108902657853091073469633580236 8.0/14

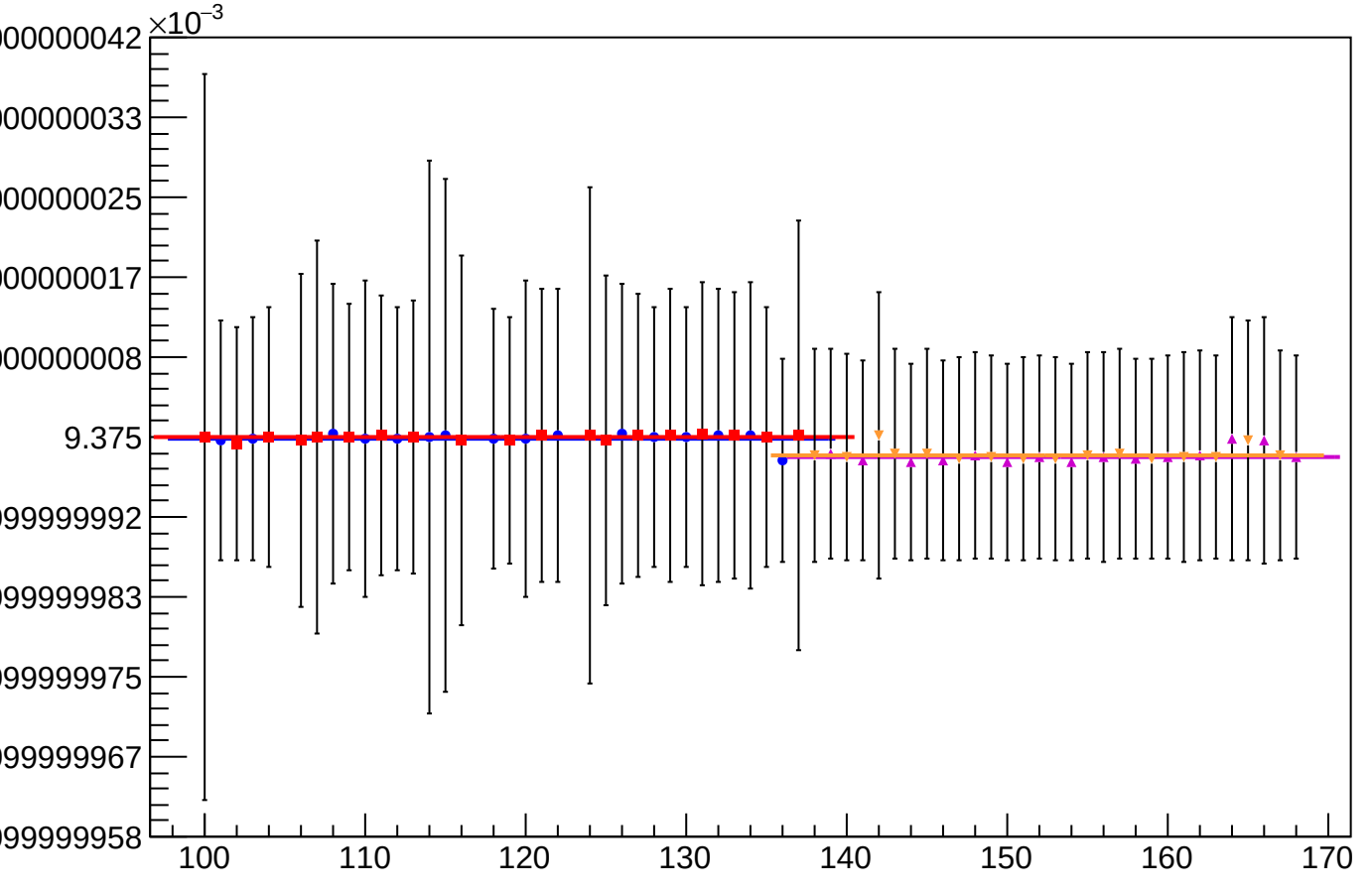
+ sign 2174.767+/-0.000 χ^2/NDF: 5706006319438

All: 2174.665+/-0.000 χ^2/NDF: 1400133839

- sign 2174.562+/-0.000 χ^2/NDF: 8252322893697


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: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:29614877364795352704614 4.0/15
Right Out: -0.000+/-0.000 χ²/NDF: 10119559107206471011532 80.0/18
Left In: -0.000+/-0.000 χ²/NDF:50326706177843025831526 4.0/14
+ sign -0.000+/-0.000 χ²/NDF: 1339427739408415
All: -0.000+/-0.000 χ²/NDF: 2990361018290
- sign -0.000+/-0.000 χ²/NDF: 16504624853844142

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:0.0/15

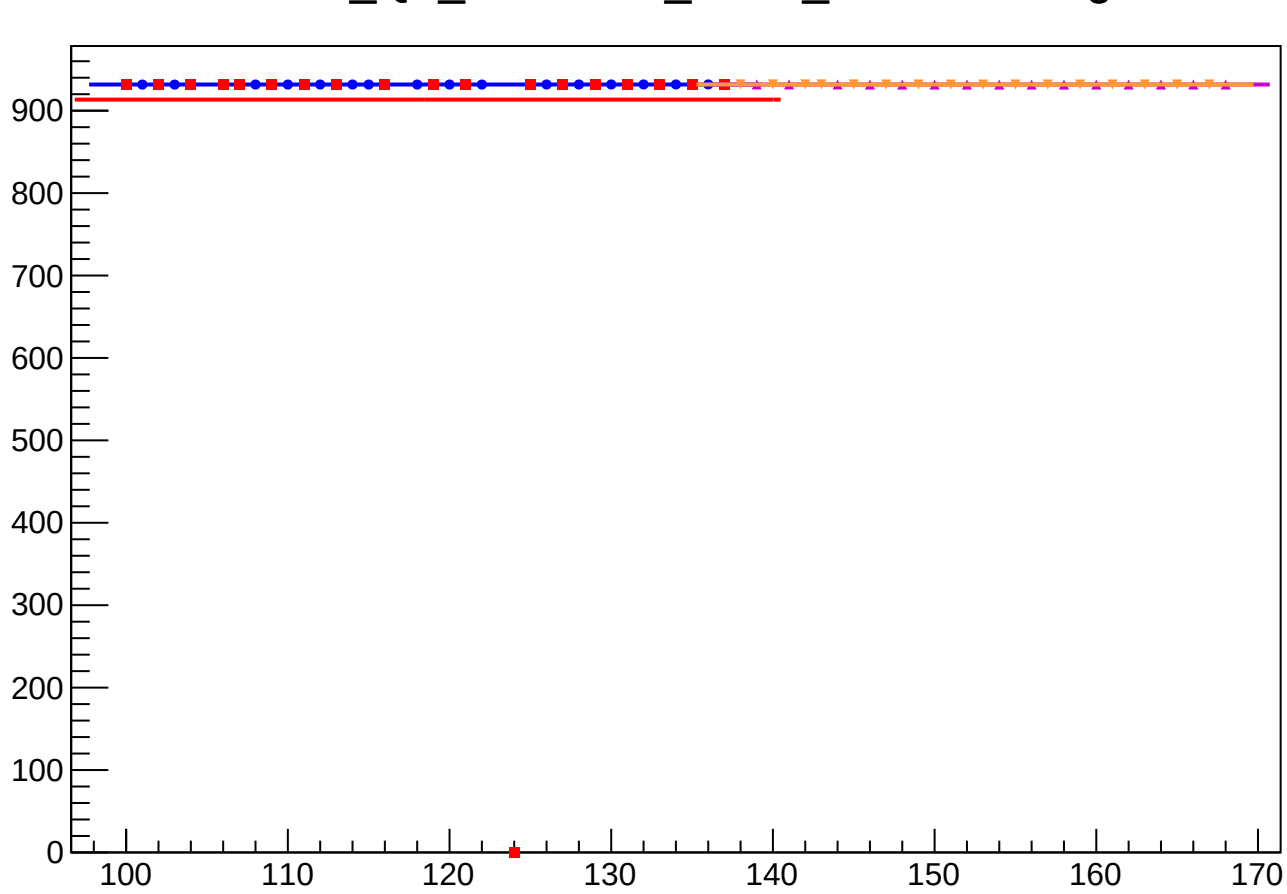
Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.1/14

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/31

All: 0.009+/-0.000 χ^2/NDF: 0.5/65

- sign 0.009+/-0.000 χ^2/NDF: 0.2/33



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.785+/-0.000 χ^2/NDF:4152073808641527981143805132800.0/15

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

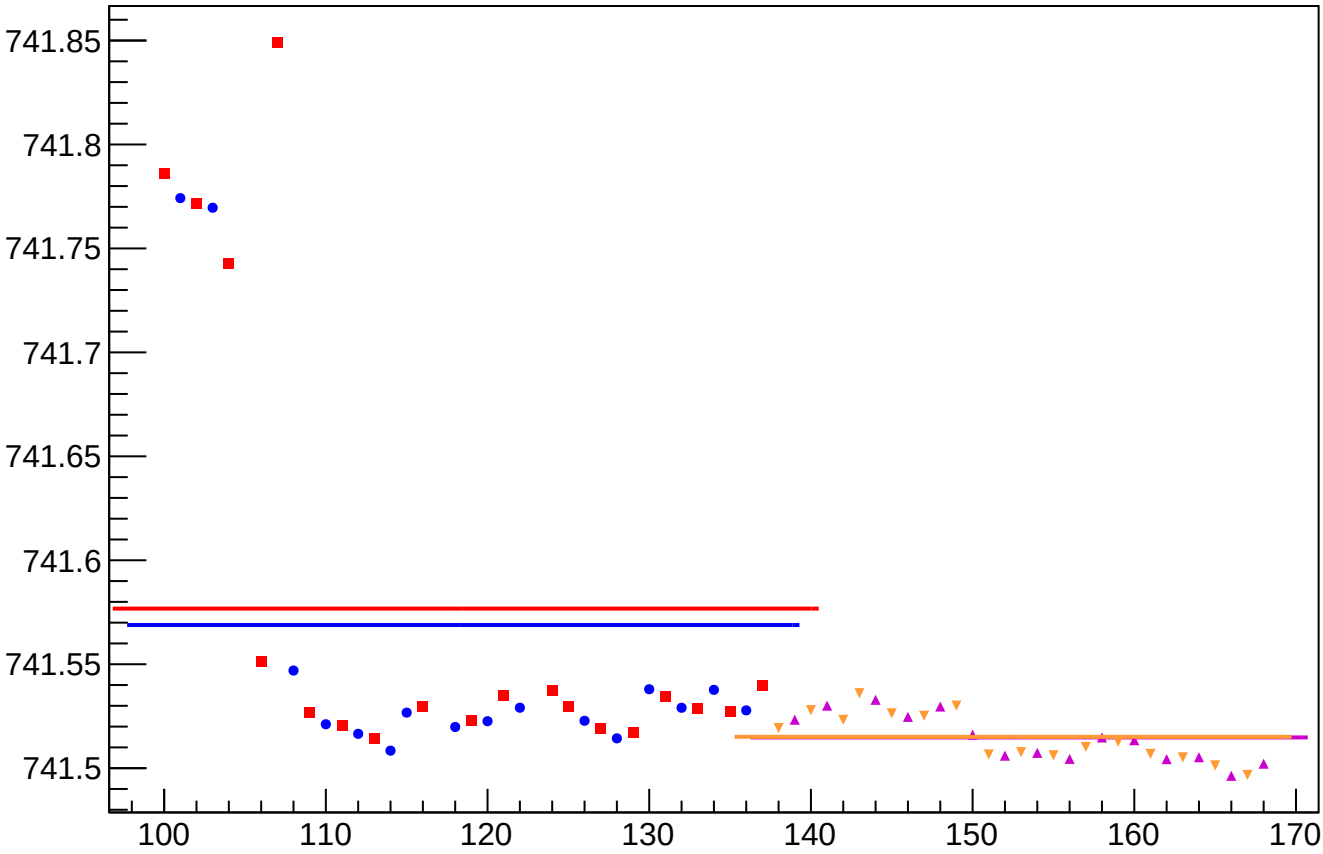
Left In: 931.774+/-0.000 χ^2/NDF:3661755941166622481200313270272.0/14

+ sign 931.779+/-0.000 χ^2/NDF: 703321977396103

All: 928.374+/-0.000 χ^2/NDF: 12974667036

- sign 924.959+/-0.000 χ^2/NDF: 129268684804366

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

+ sign 741.534+/-0.000 χ^2/NDF: 797419184672627

Left Out: 741.515+/-0.000 χ^2/NDF:17029900982232569865116110028 8.0/15

All: 741.536+/-0.000 χ^2/NDF: 1767719523346

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

- sign 741.538+/-0.000 χ^2/NDF: 969124348958251

Left In: 741.515+/-0.000 χ^2/NDF:158352119542118901550585741312.0/14

HacL_Q3_HP3458A_IOUT_mean vs Slug

Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.771+/-0.000 χ^2/NDF:65970500956341028468997016780 8.0/15

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705 92.0/18

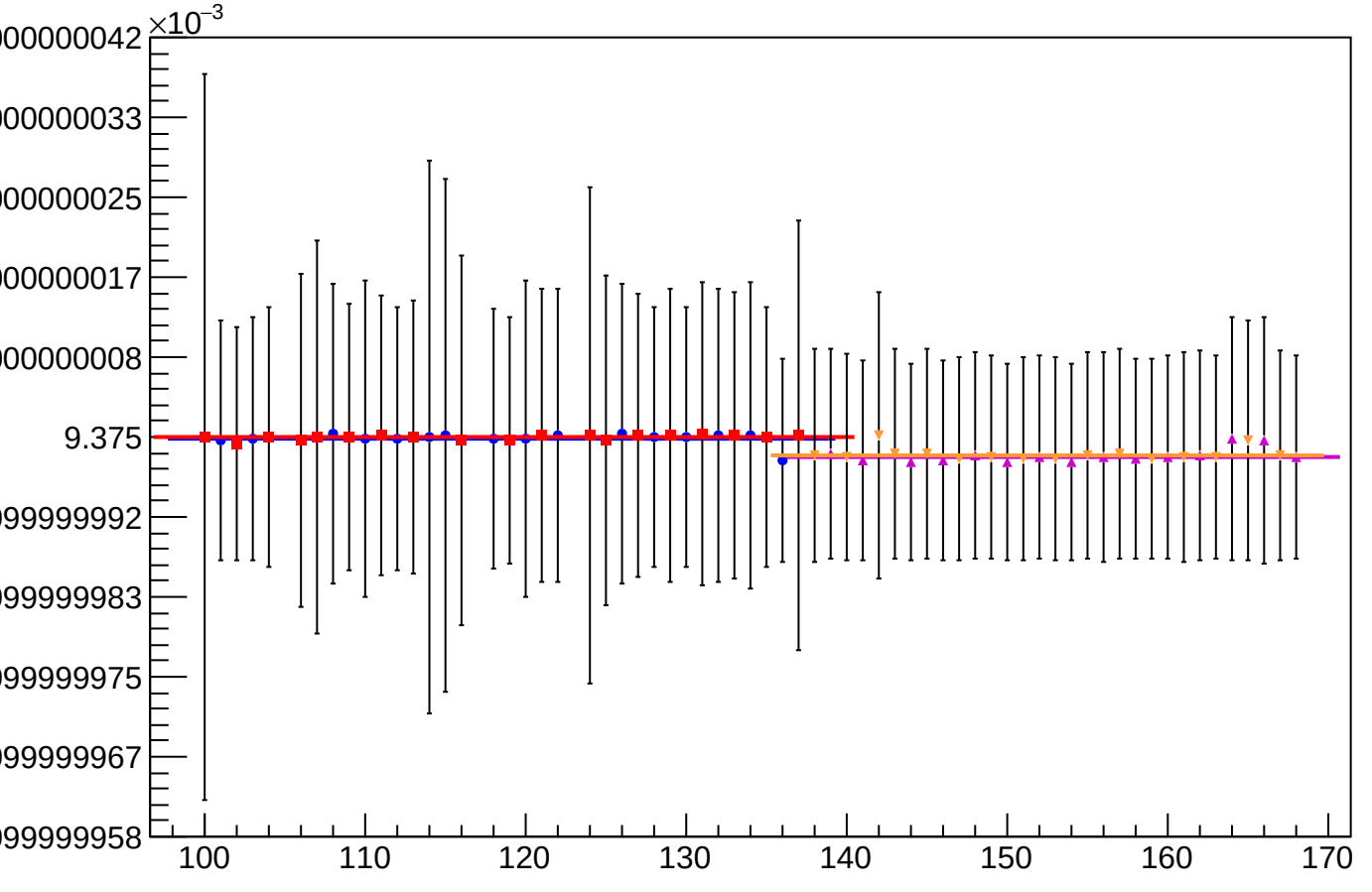
Left In: 980.779+/-0.000 χ^2/NDF:131811674738638769603599558246 4.0/14

+ sign 980.783+/-0.000 χ^2/NDF: 211588896623456

All: 980.771+/-0.000 χ^2/NDF: 614626076355

- sign 980.759+/-0.000 χ^2/NDF: 587472384849548

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:0.0/15

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

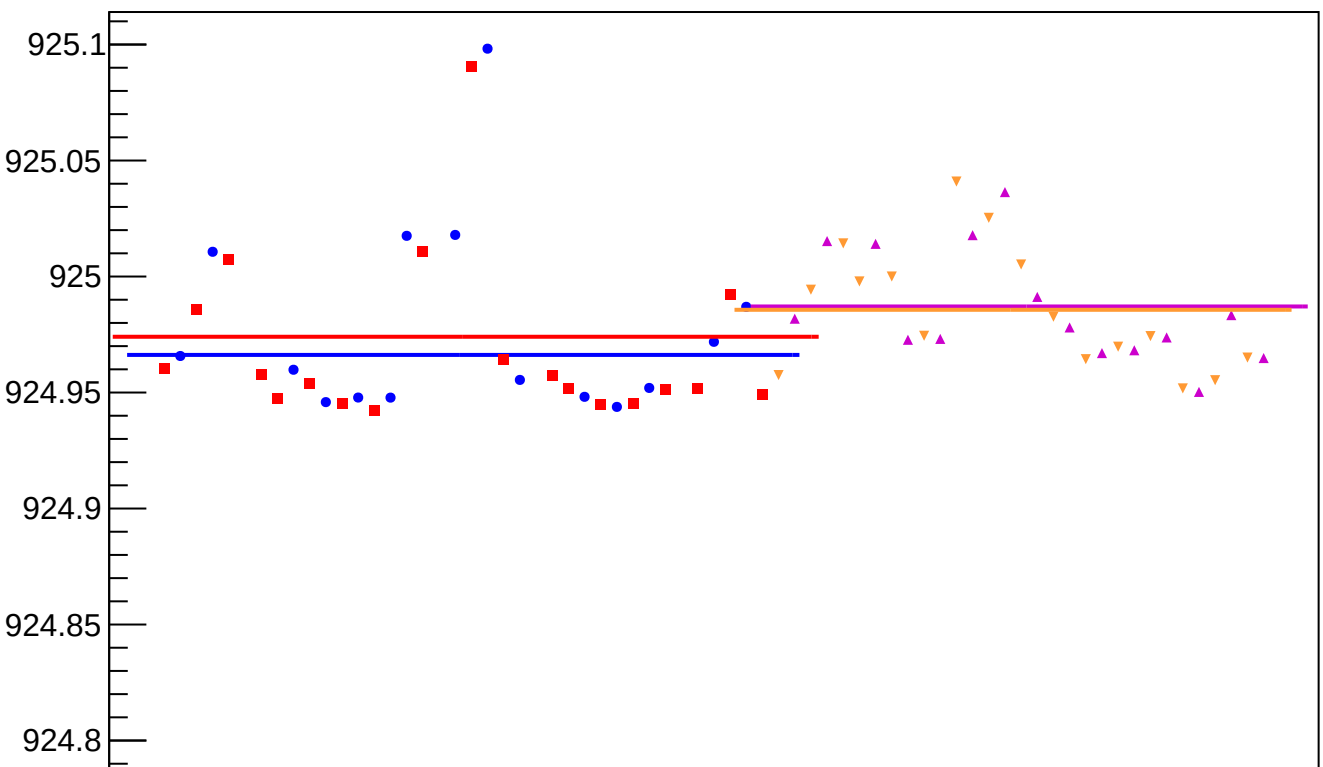
Left In: 0.009+/-0.000 χ^2/NDF:0.1/14

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/31

All: 0.009+/-0.000 χ^2/NDF: 0.5/65

- sign 0.009+/-0.000 χ^2/NDF: 0.2/33

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.986+/-0.000 χ^2/NDF:8616575561949921722567858585 60.0/15

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

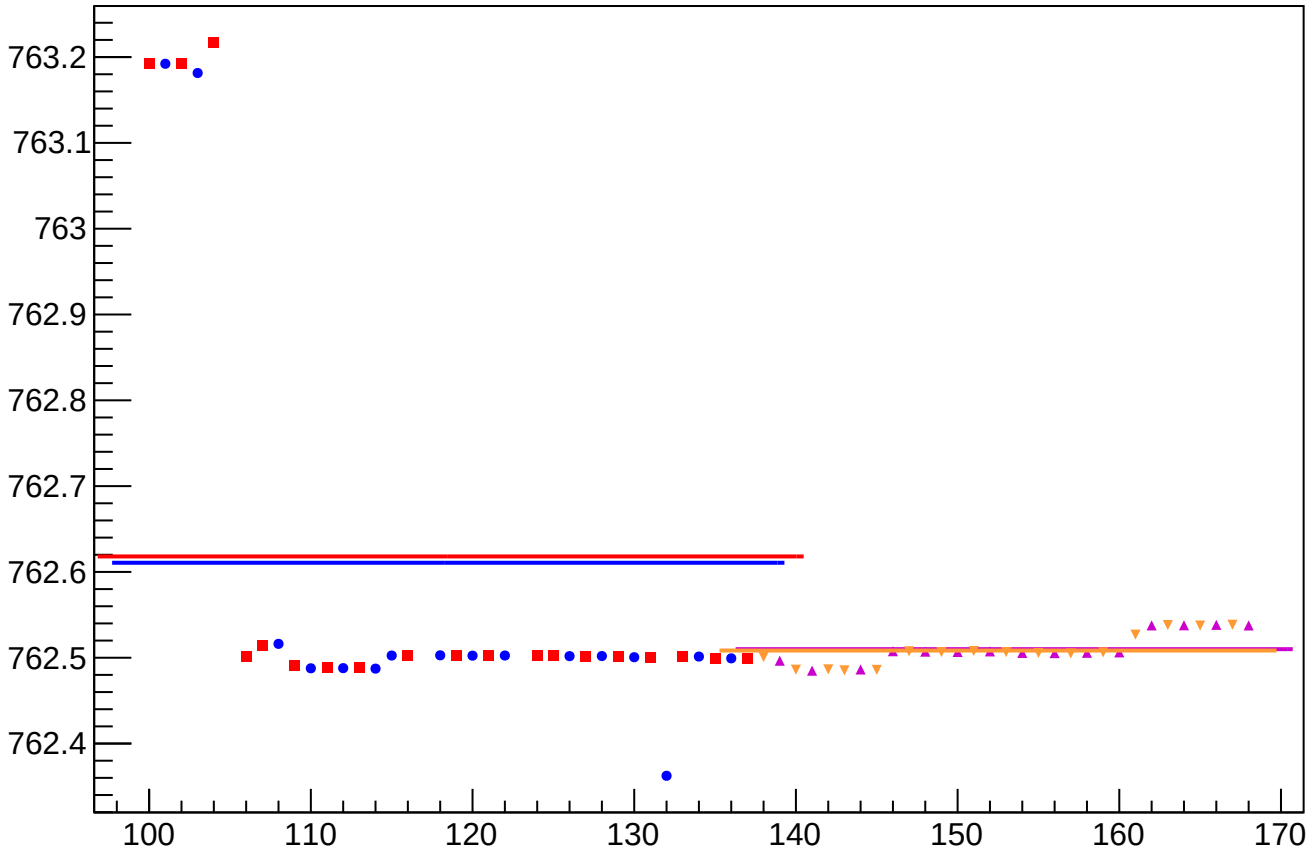
Left In: 924.987+/-0.000 χ^2/NDF:709345978807099040512727842816.0/14

+ sign 924.979+/-0.000 χ^2/NDF: 358536868963830

All: 924.980+/-0.000 χ^2/NDF: 5631540609 29

- sign 924.982+/-0.000 χ^2/NDF: 203298471072027

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.508+/-0.000 χ^2/NDF:396575401148271840222647418880.0/15

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

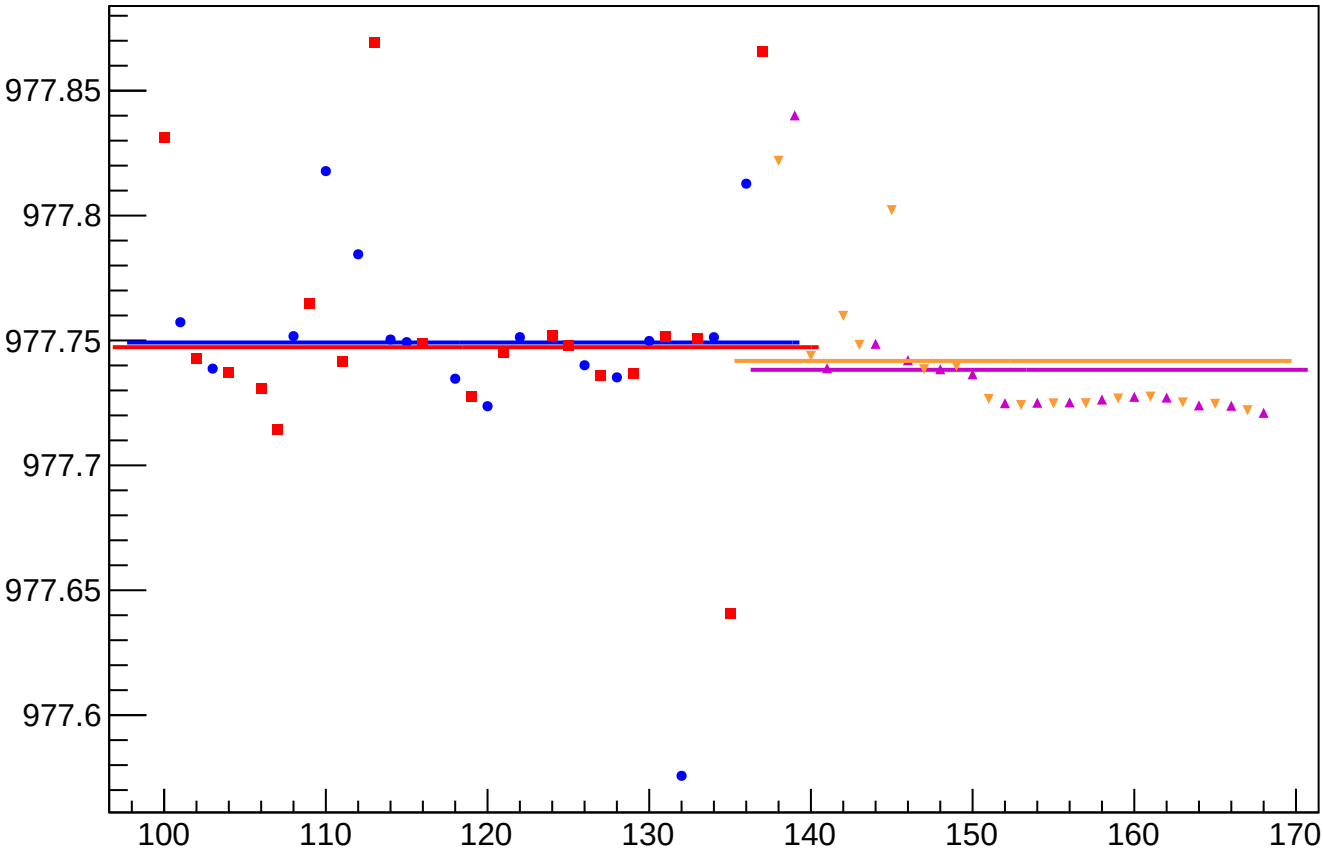
Left In: 762.510+/-0.000 χ^2/NDF:366388644539328620655852650496.0/14

+ sign 762.545+/-0.000 χ^2/NDF: 575192722046145

All: 762.548+/-0.000 χ^2/NDF: 116640361083

- sign 762.550+/-0.000 χ^2/NDF: 590960885586693

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.742+/-0.000 χ^2/NDF:10564508546091894234170827735040.0/15

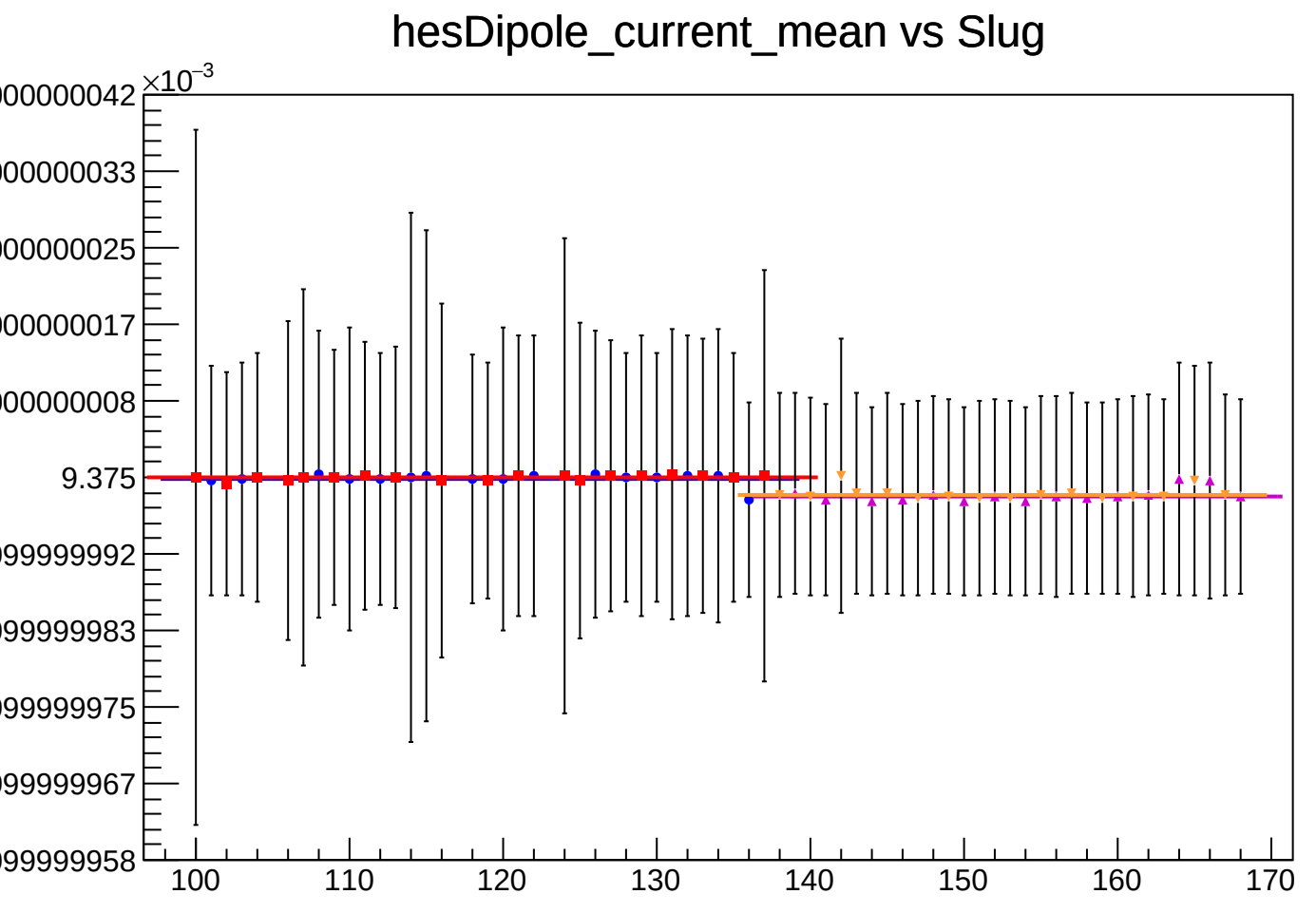
Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

Left In: 977.738+/-0.000 χ^2/NDF:10160848661539354200497979392000.0/14

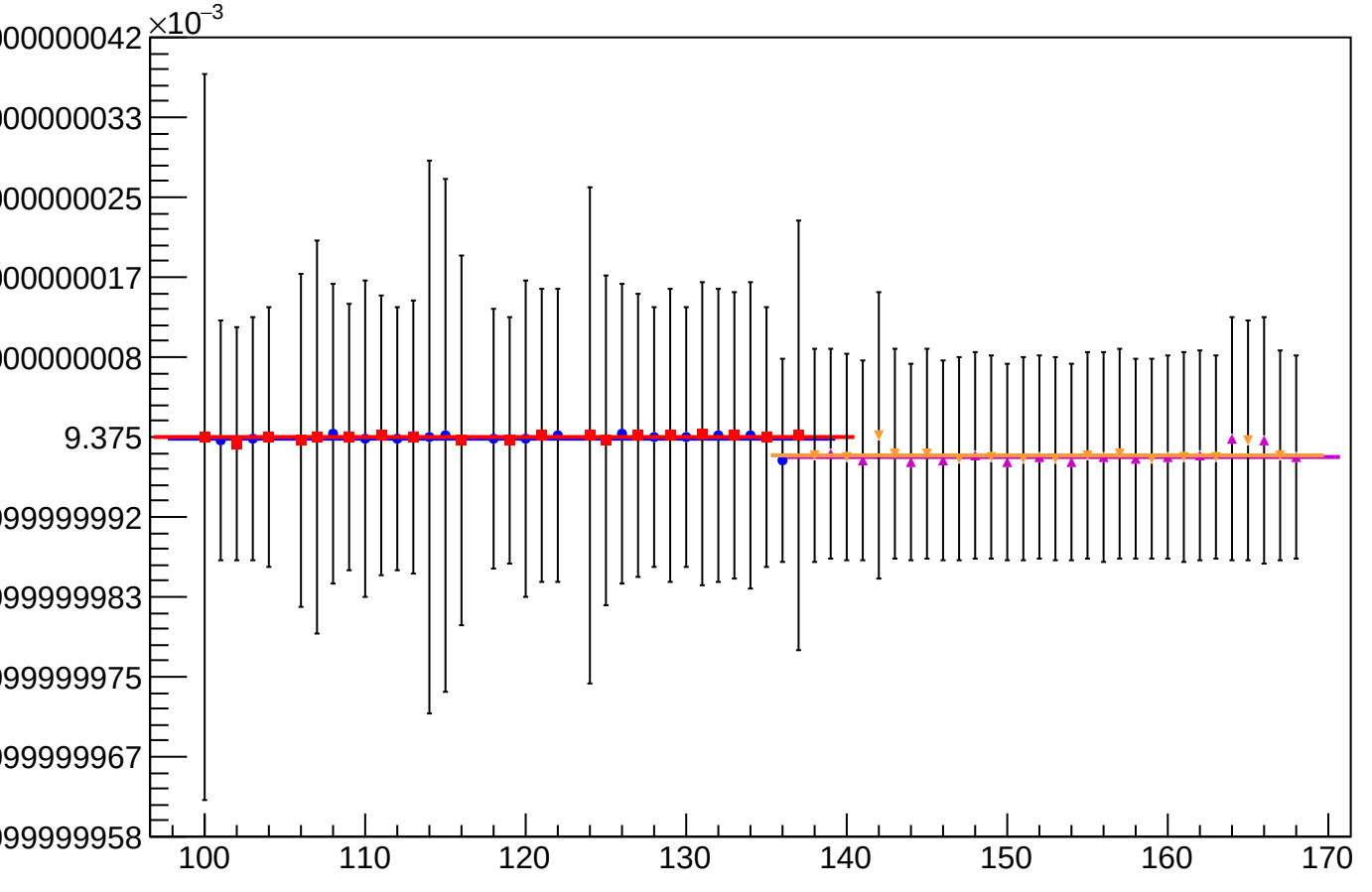
+ sign 977.744+/-0.000 χ^2/NDF: 304185421757553

All: 977.743+/-0.000 χ^2/NDF: 588778678458

- sign 977.742+/-0.000 χ^2/NDF: 283757756205270


hesDipole_current_mean vs Slug
×10⁻³
00000042
00000033
00000025
00000017
00000008
9.375
99999992
99999983
99999975
99999967
99999958
100
110
120
130
140
150
160
170
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/15
Right Out: 0.009+/-0.000 χ²/NDF: 0.0/18
Left In: 0.009+/-0.000 χ²/NDF:0.1/14
+ sign 0.009+/-0.000 χ²/NDF: 0.2/31
All: 0.009+/-0.000 χ²/NDF: 0.5/65
- sign 0.009+/-0.000 χ²/NDF: 0.2/33

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:0.0/15

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

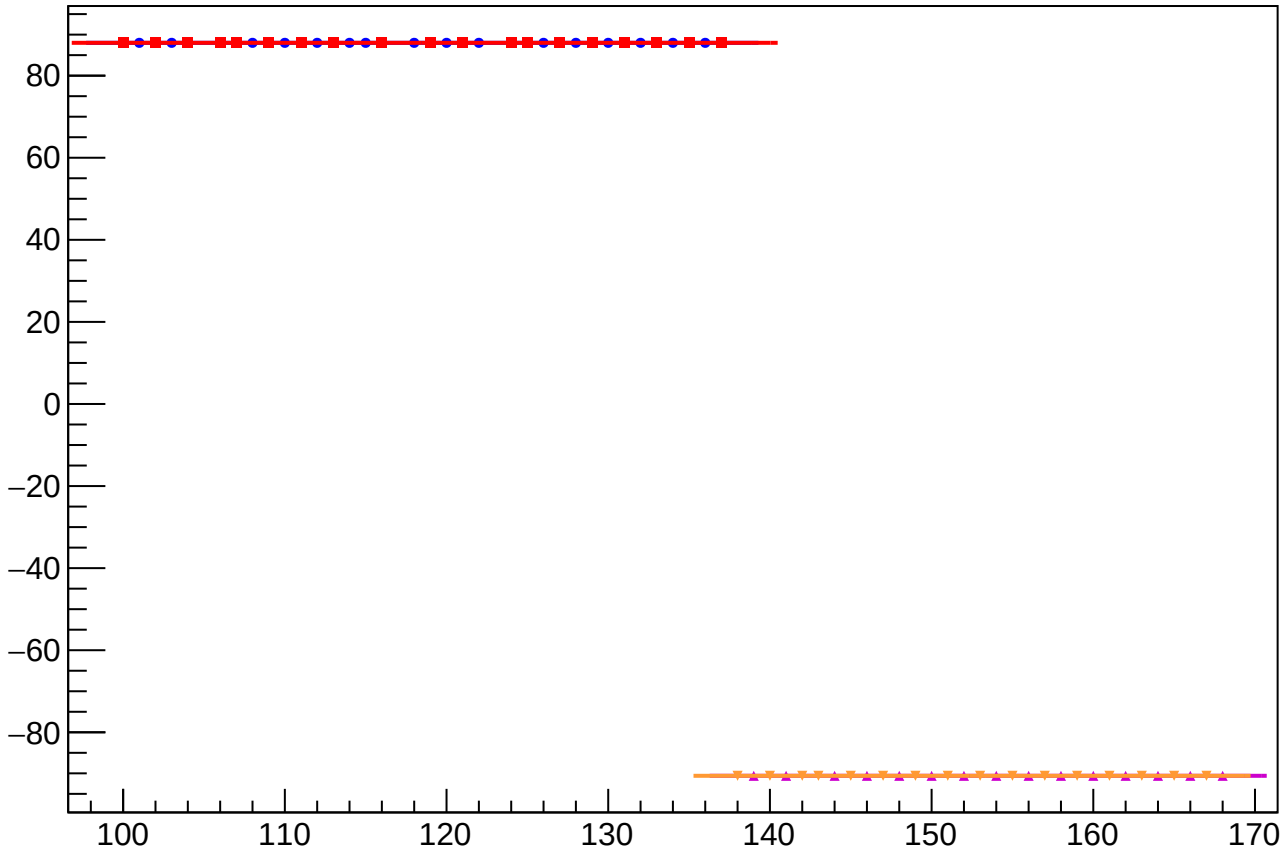
Left In: 0.009+/-0.000 χ^2/NDF:0.1/14

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/31

All: 0.009+/-0.000 χ^2/NDF: 0.5/65

- sign 0.009+/-0.000 χ^2/NDF: 0.2/33

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:4492342.0/15

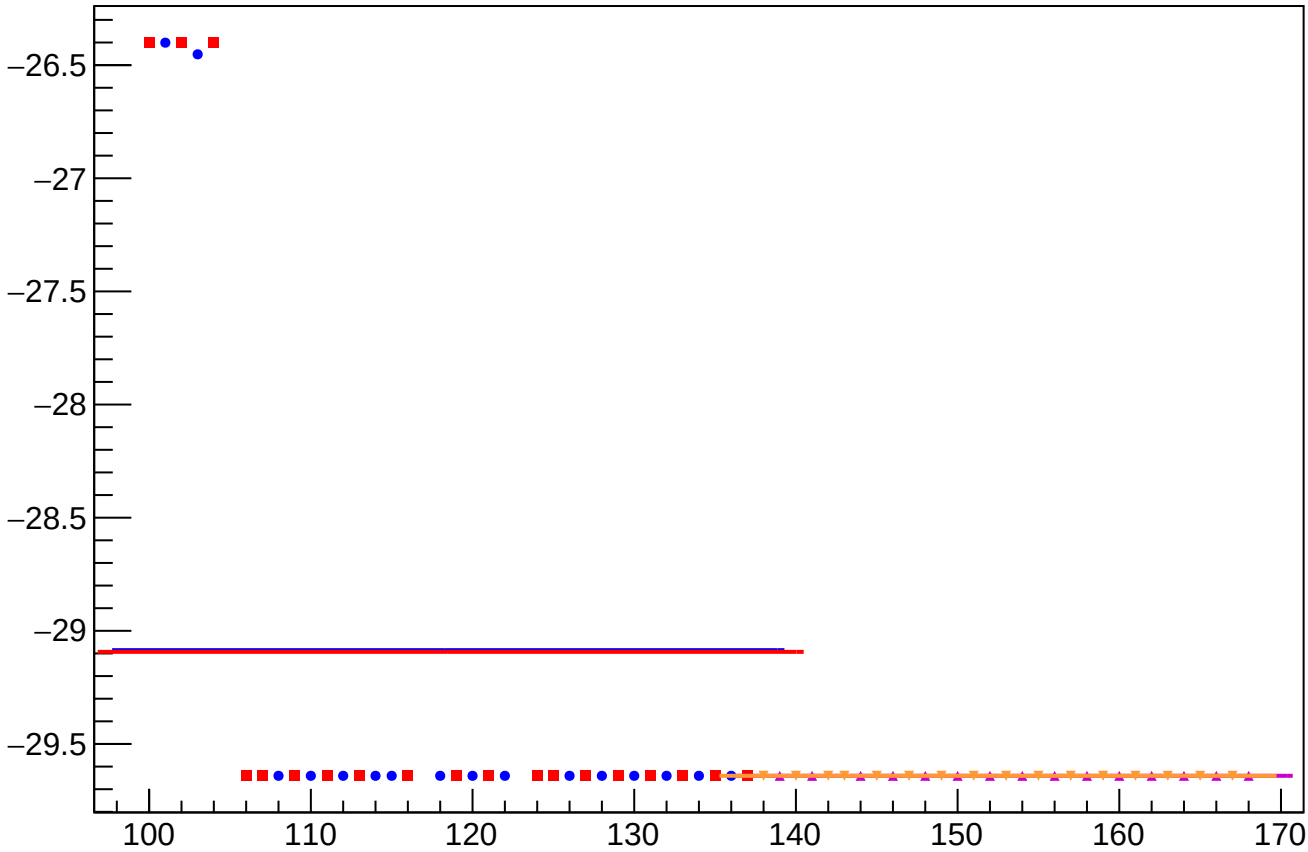
Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: -90.599+/-0.000 χ^2/NDF:4602201.9/14

+ sign -26.293+/-0.000 χ^2/NDF: 151259103353352

All: -25.242+/-0.000 χ^2/NDF: 304193553635

- sign -24.189+/-0.000 χ^2/NDF: 152888971305961



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:191838.4/15

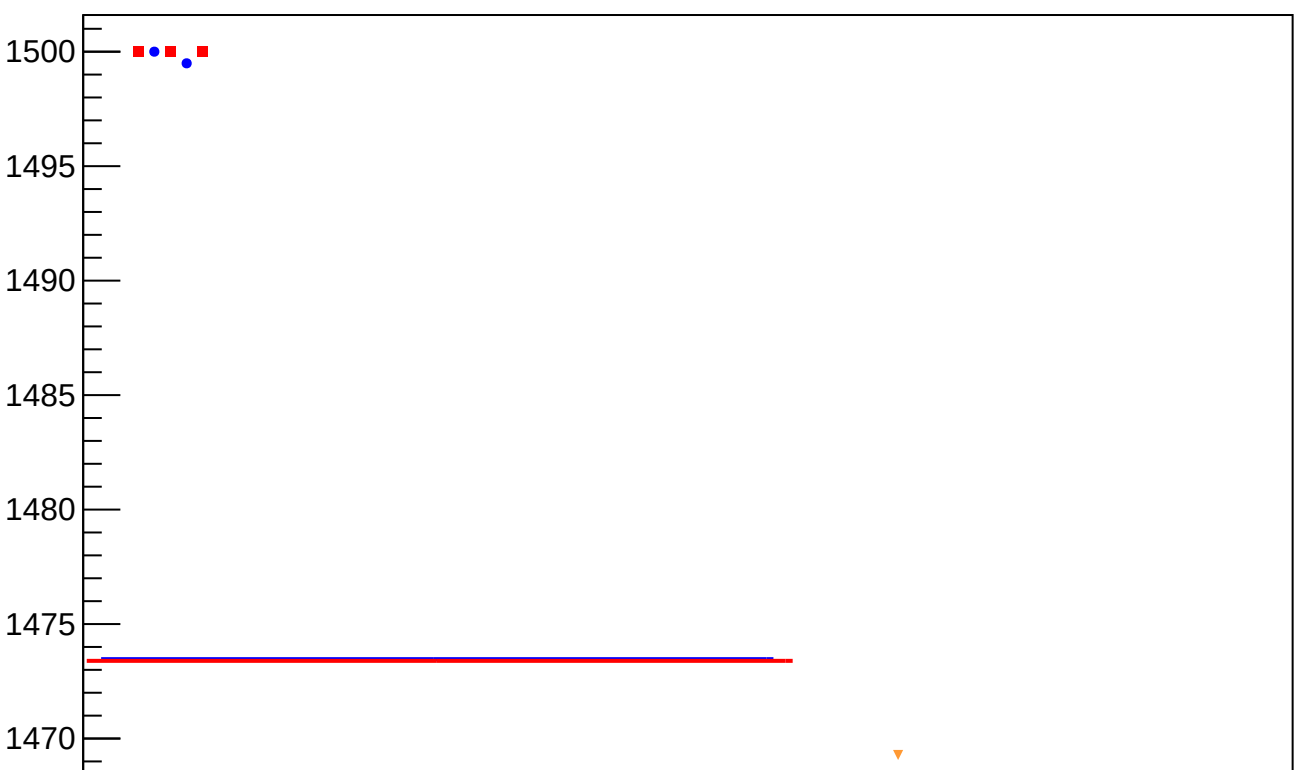
Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:110137.6/14

+ sign -29.441+/-0.000 χ^2/NDF: 124059222157434

All: -29.439+/-0.000 χ^2/NDF: 250966516054

- sign -29.437+/-0.000 χ^2/NDF: 126905854736841



Right In: 1473.467+/-0.000 χ^2/NDF: 1068941948607061768784857937047715840.0/15

Left Out: 1468.078+/-0.000 χ^2/NDF:13673644781362404472618679082752.0/15

Right Out: 1473.393+/-0.000 χ^2/NDF: 109909499733401078761067843300622336.0/18

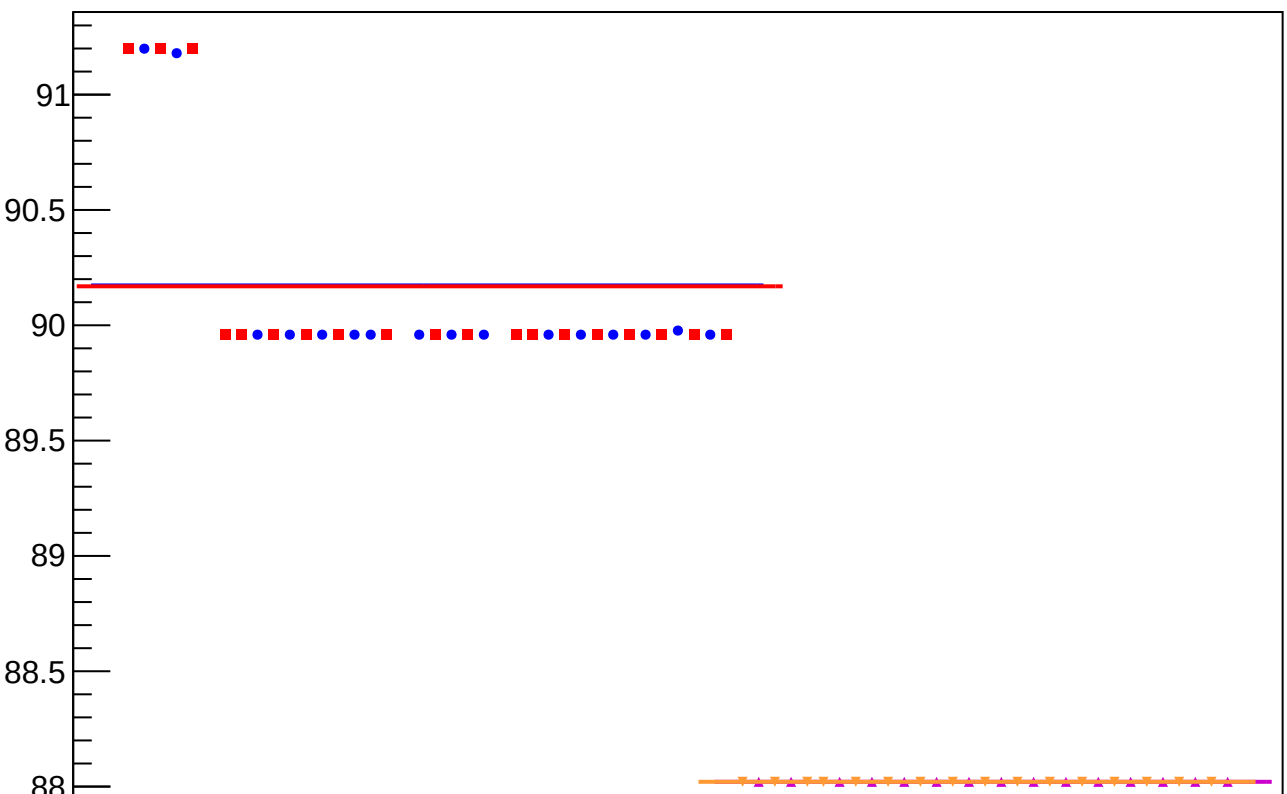
Left In: 1467.991+/-0.000 χ^2/NDF:125765709820828648806006390784.0/14

+ sign 1470.018+/-0.000 χ^2/NDF: 12080536595208

All: 1470.009+/-0.000 χ^2/NDF: 2447033250

- sign 1470.000+/-0.000 χ^2/NDF: 12389759564192

Phi_FG_mean vs Slug



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:3850550.0/15

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

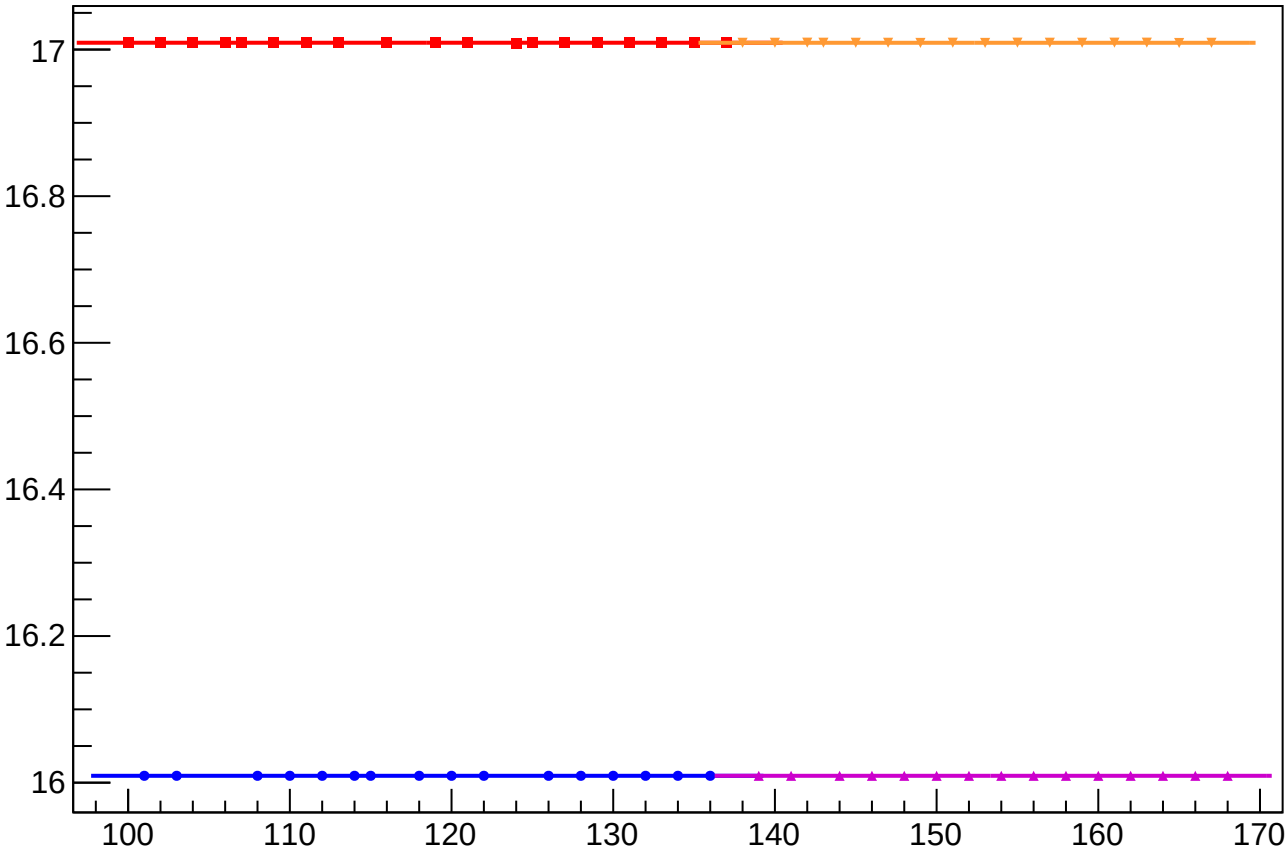
Left In: 88.021+/-0.000 χ^2/NDF:4723169.0/14

+ sign 88.796+/-0.000 χ^2/NDF: 2356175328412429

All: 88.808+/-0.000 χ^2/NDF: 473347946189

- sign 88.819+/-0.000 χ^2/NDF: 2376716223912127

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:1907947216669732821480243 2.0/15

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

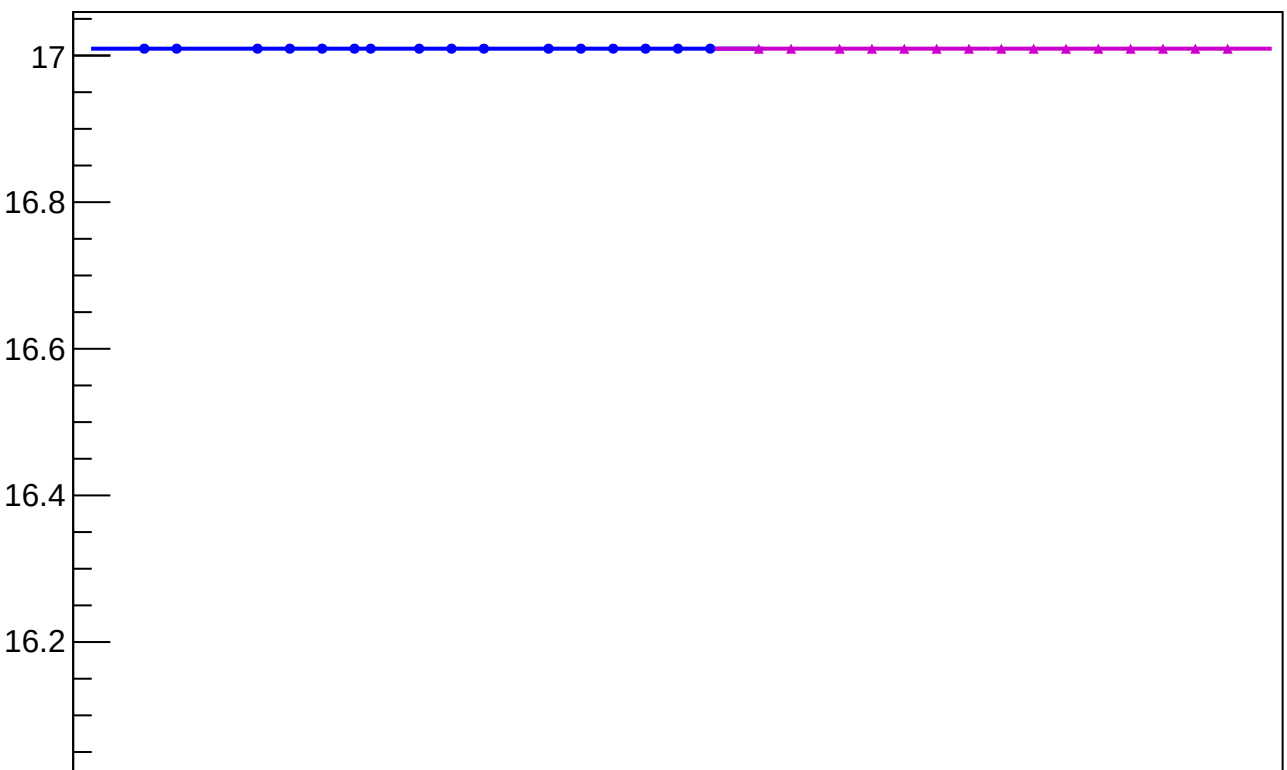
Left In: 16.009+/-0.000 χ^2/NDF:161268.4/14

+ sign 16.641+/-0.000 χ^2/NDF: 4433147782607154

All: 16.509+/-0.000 χ^2/NDF: 948759034481

- sign 16.376+/-0.000 χ^2/NDF: 4388208507822466

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:113015.4/15

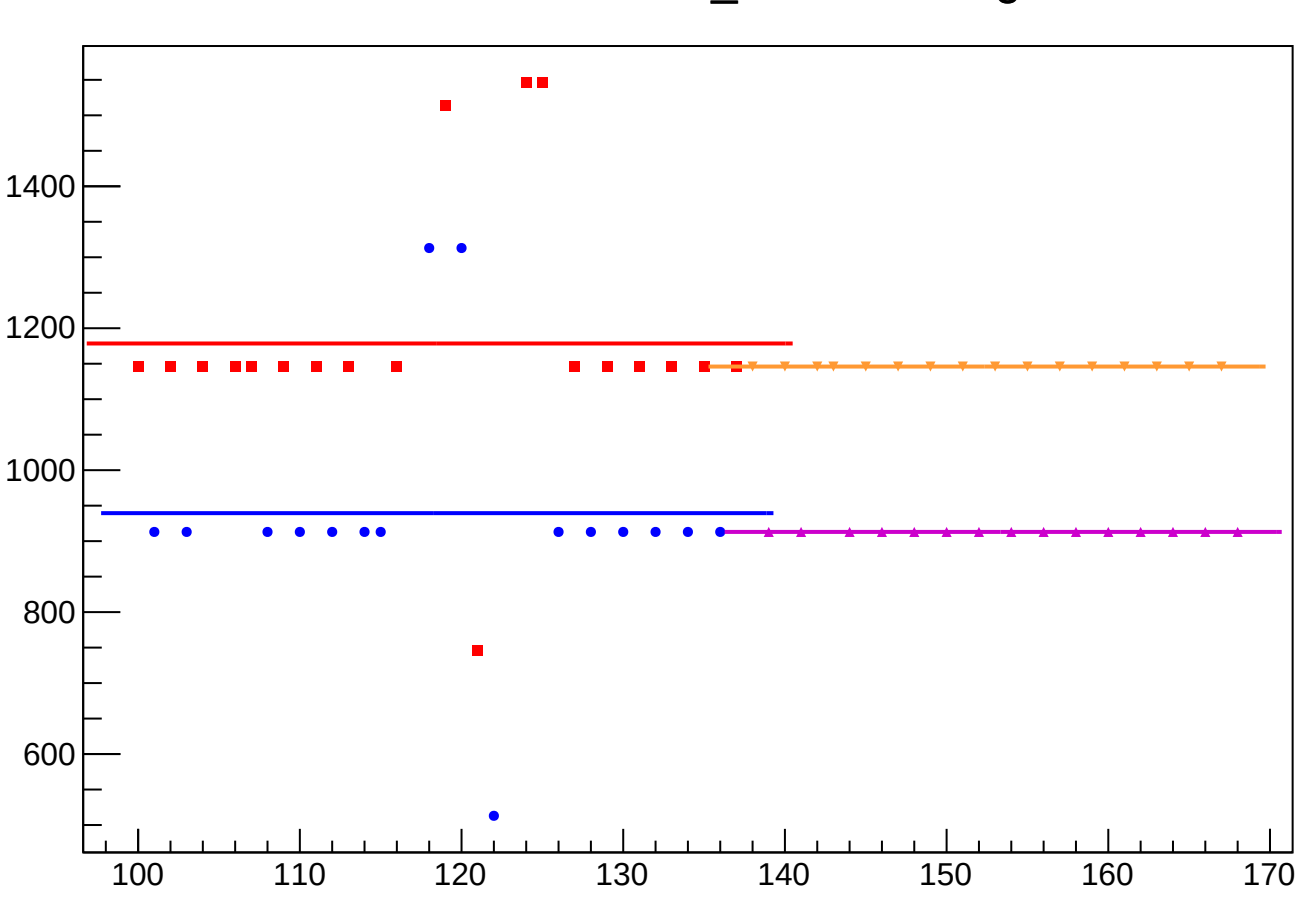
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:36969.2/14

+ sign 16.360+/-0.000 χ^2/NDF: 4589359801488832

All: 16.498+/-0.000 χ^2/NDF: 100997649678

- sign 16.635+/-0.000 χ^2/NDF: 4747962506166356



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1071.636+/-0.000 χ^2/NDF: 41316479350259

Left Out: 1146.011+/-0.000 χ^2/NDF:5114668462794577972513734656.0/15

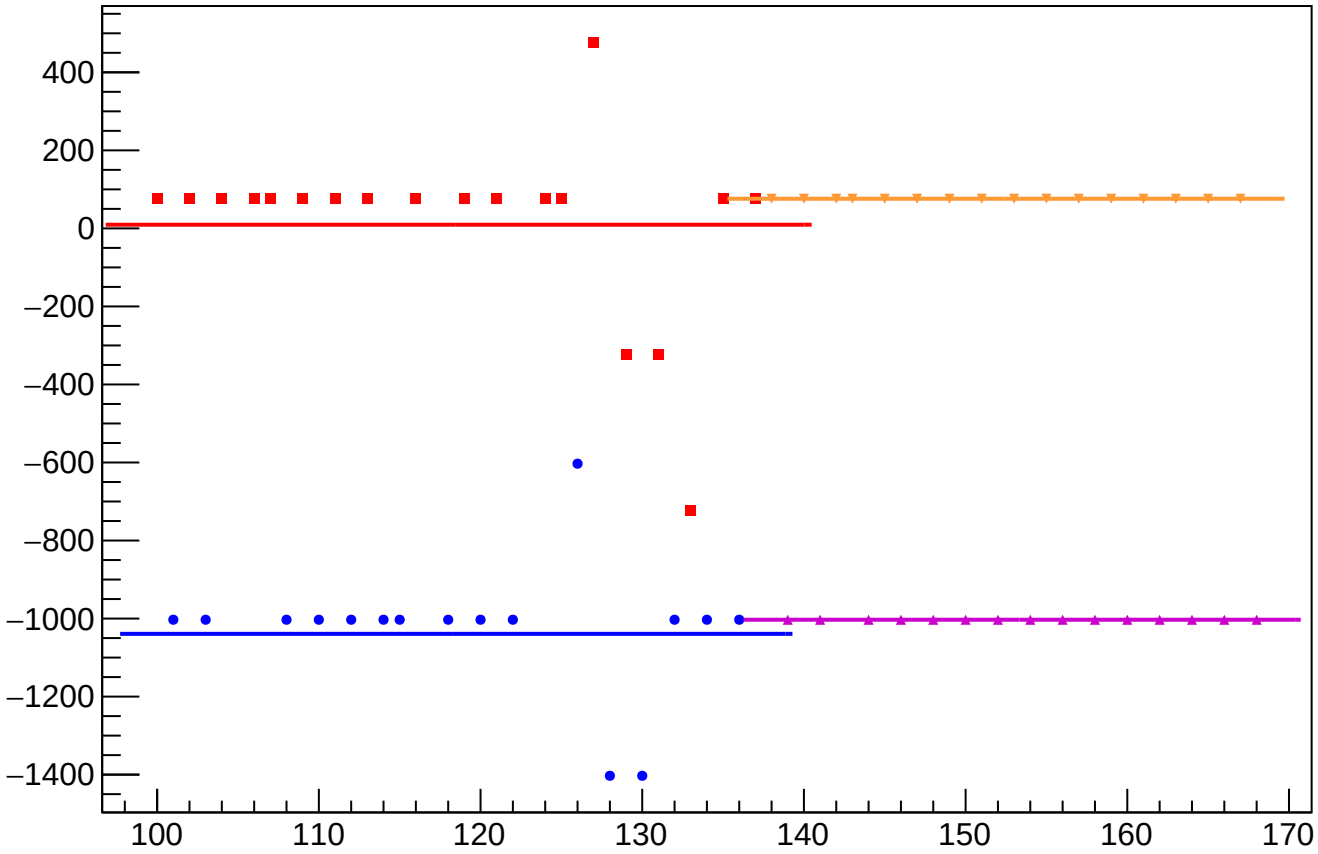
All: 1041.723+/-0.000 χ^2/NDF: 1009351147

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 1011.723+/-0.000 χ^2/NDF: 55930399573371

Left In: 912.994+/-0.000 χ^2/NDF:17729888616980265872761290752.0/14

RTPAPOSVCNT_mean vs Slug



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

+ sign -325.514+/-0.000 χ^2/NDF: 61258128031544

Left Out: 76.011+/-0.000 χ^2/NDF:95047251446883004346930298880.0/15

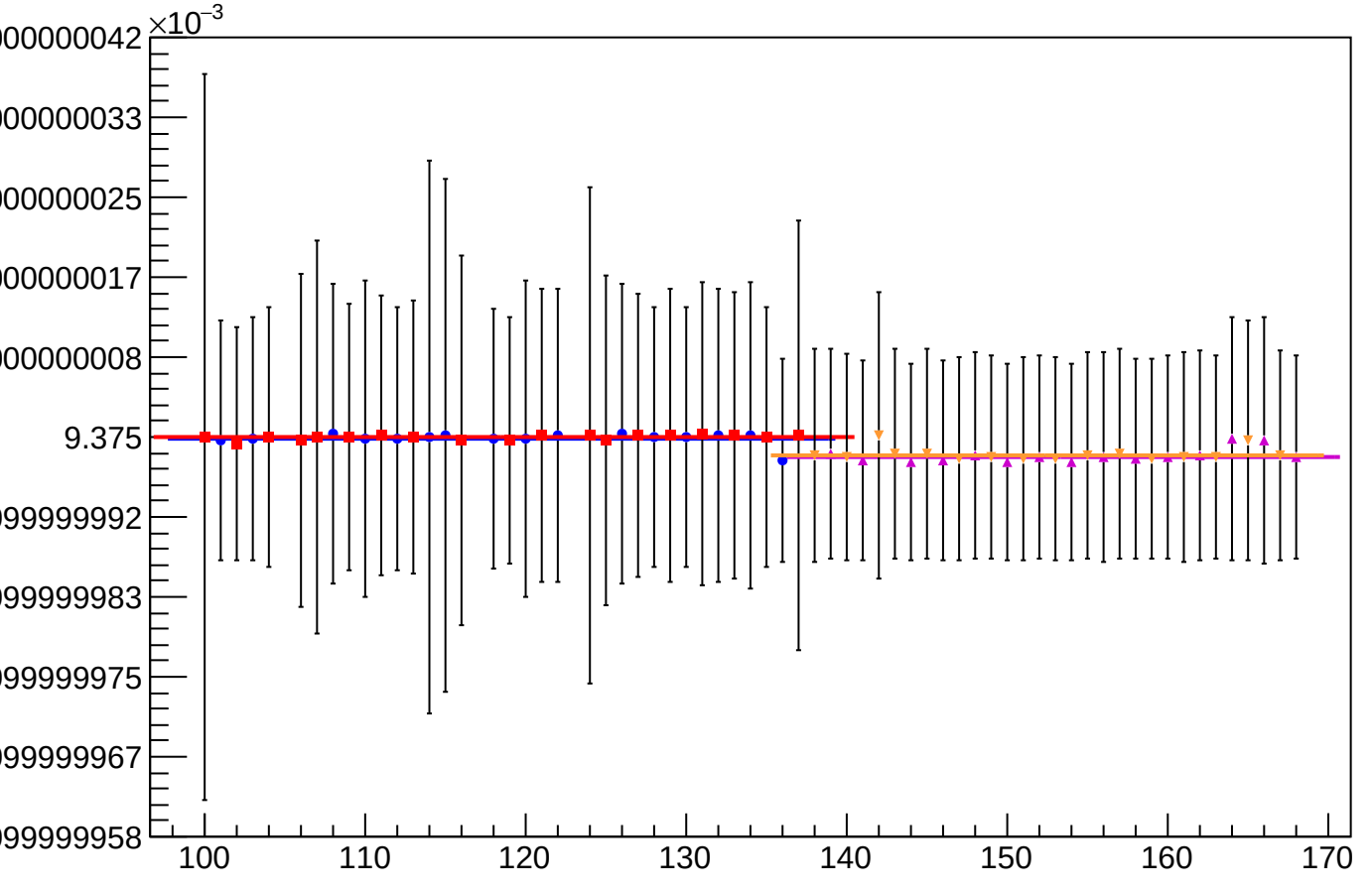
All: -475.807+/-0.000 χ^2/NDF: 1243017574

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

- sign -626.539+/-0.000 χ^2/NDF: 537328391143486

Left In: -1002.990+/-0.000 χ^2/NDF:213446758216648502807416012 8.0/14

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:0.0/15

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

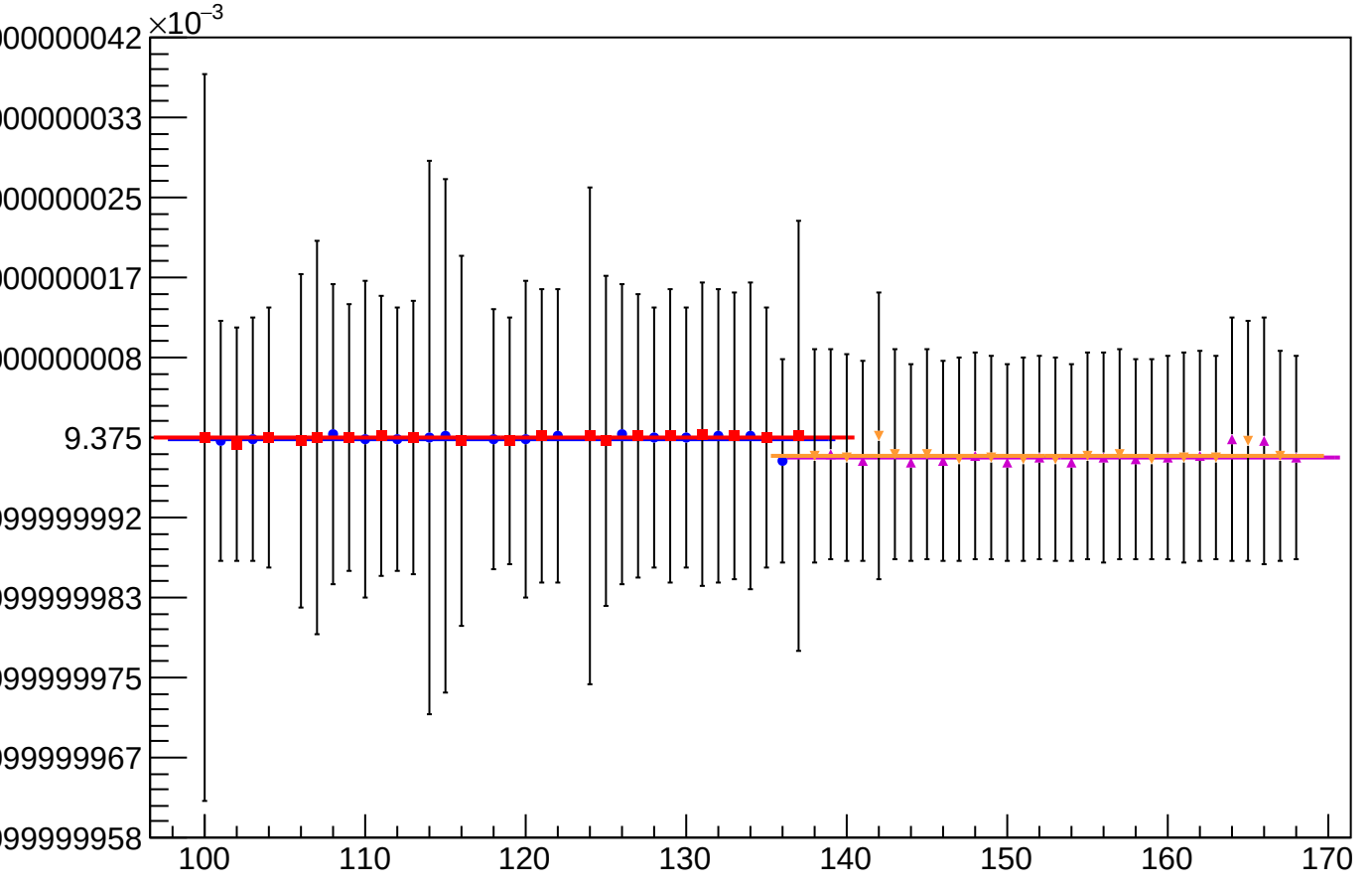
Left In: 0.009+/-0.000 χ^2/NDF:0.1/14

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/31

All: 0.009+/-0.000 χ^2/NDF: 0.5/65

- sign 0.009+/-0.000 χ^2/NDF: 0.2/33

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:0.0/15

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.1/14

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/31

All: 0.009+/-0.000 χ^2/NDF: 0.5/65

- sign 0.009+/-0.000 χ^2/NDF: 0.2/33