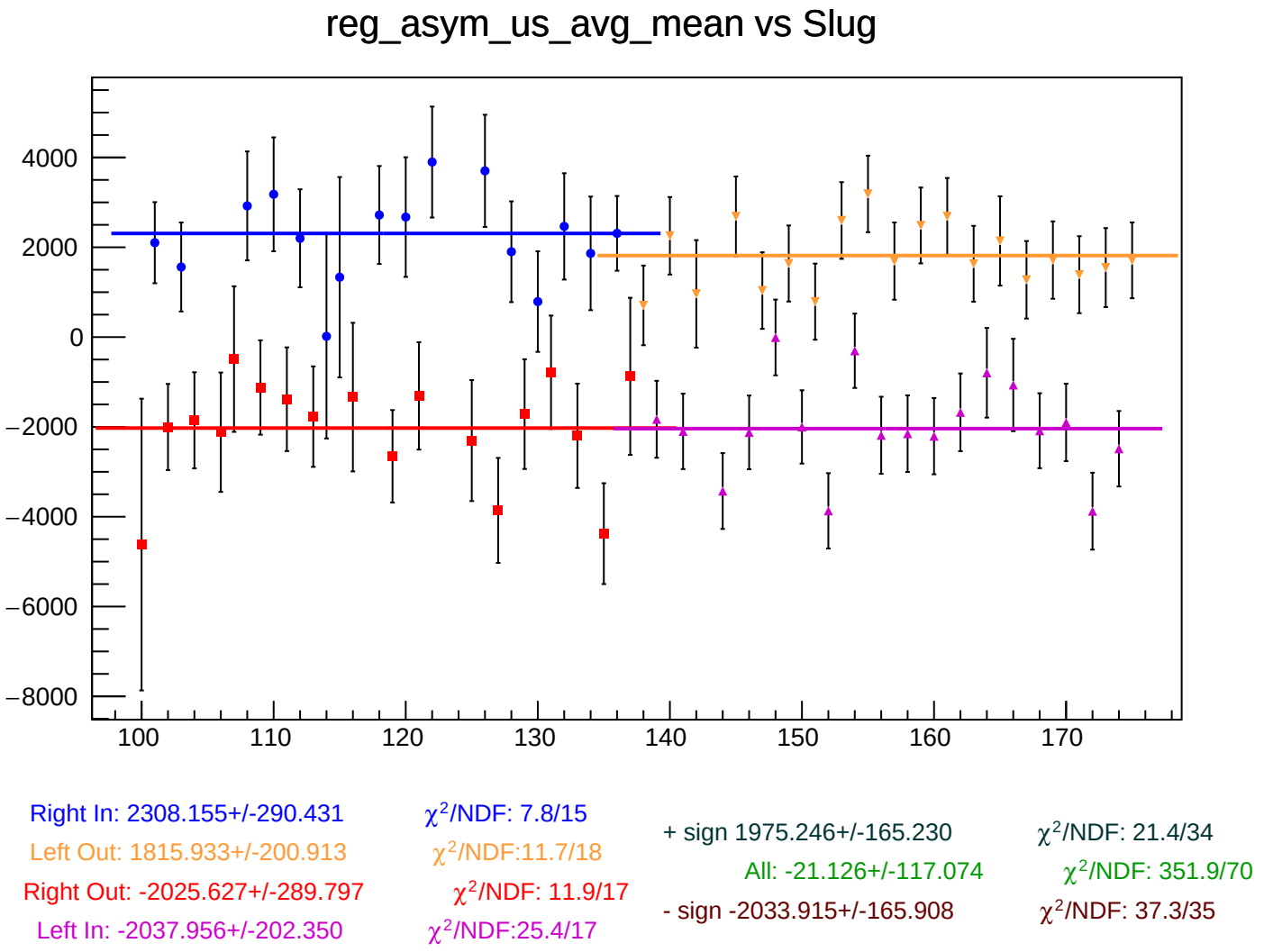


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

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

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

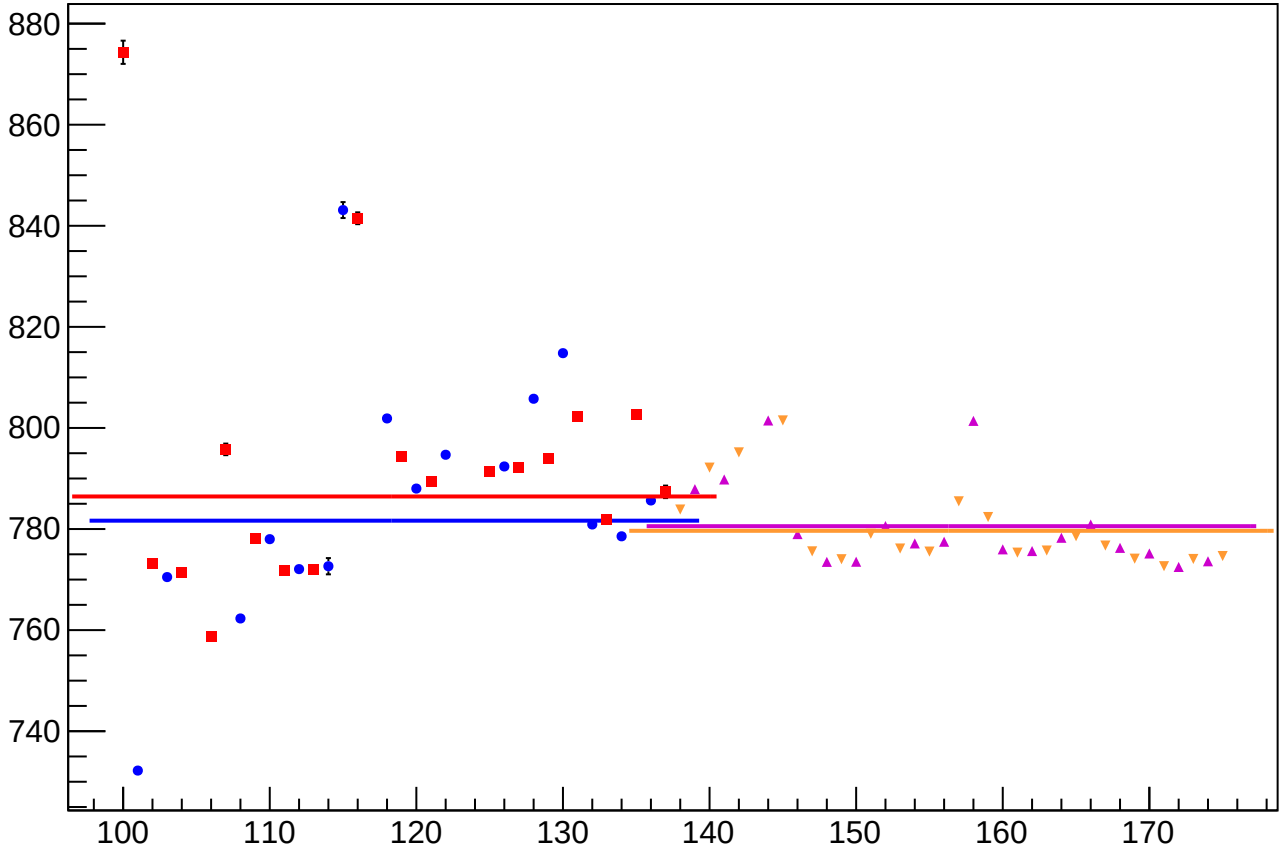
Left In: -2037.956+/-202.350 χ^2/NDF:25.4/17

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

All: -21.126+/-117.074 χ^2/NDF: 351.9/70

- sign -2033.915+/-165.908 χ^2/NDF: 37.3/35

reg_asym_us_avg_rms vs Slug



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

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

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

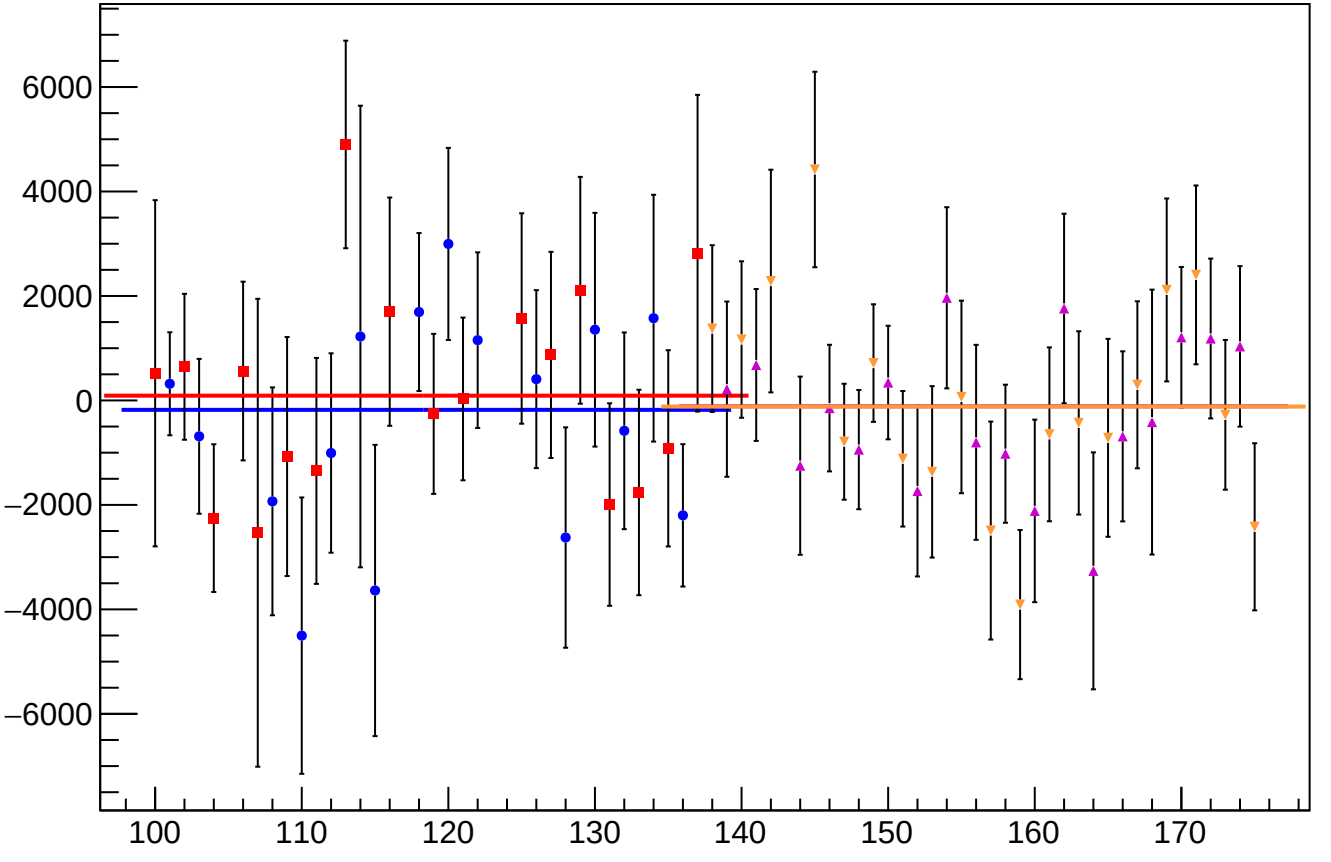
Left In: 780.565+/-0.143 χ^2/NDF:3742.1/17

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

All: 781.390+/-0.083 χ^2/NDF: 26876.3/70

- sign 782.491+/-0.117 χ^2/NDF: 11496.9/35

asym_us_avg_reg_correction_mean vs Slug



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

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

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

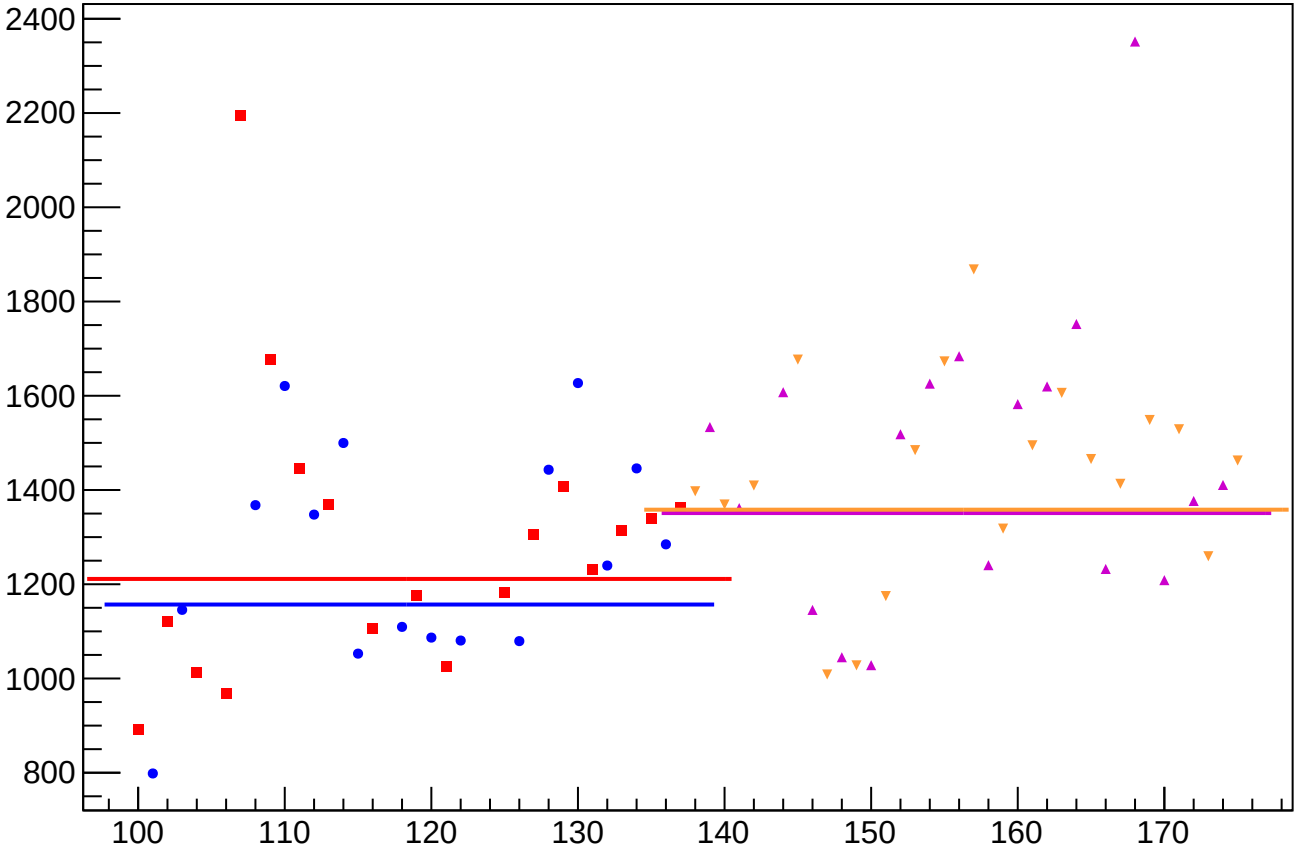
Left In: -112.356+/-358.179 χ^2/NDF:11.2/17

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

All: -89.017+/-197.633 χ^2/NDF: 67.4/70

- sign -34.402+/-281.393 χ^2/NDF: 26.5/35

asym_us_avg_reg_correction_rms vs Slug



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

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

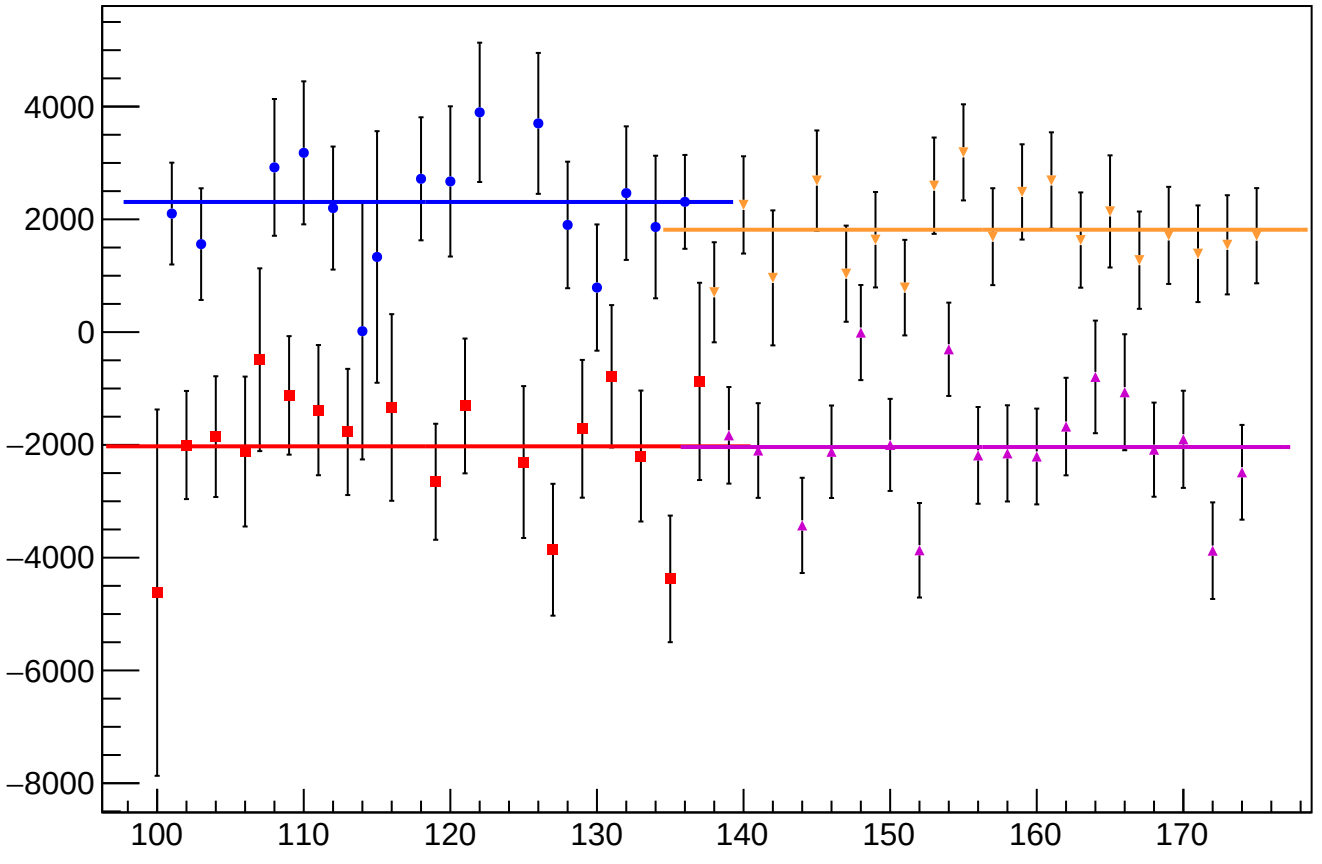
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1351.072+/-0.253 χ^2/NDF:1084881.7/17

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

All: 1287.836+/-0.140 χ^2/NDF: 3210889.1/70

- sign 1297.554+/-0.199 χ^2/NDF: 1599240.4/35



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

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

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

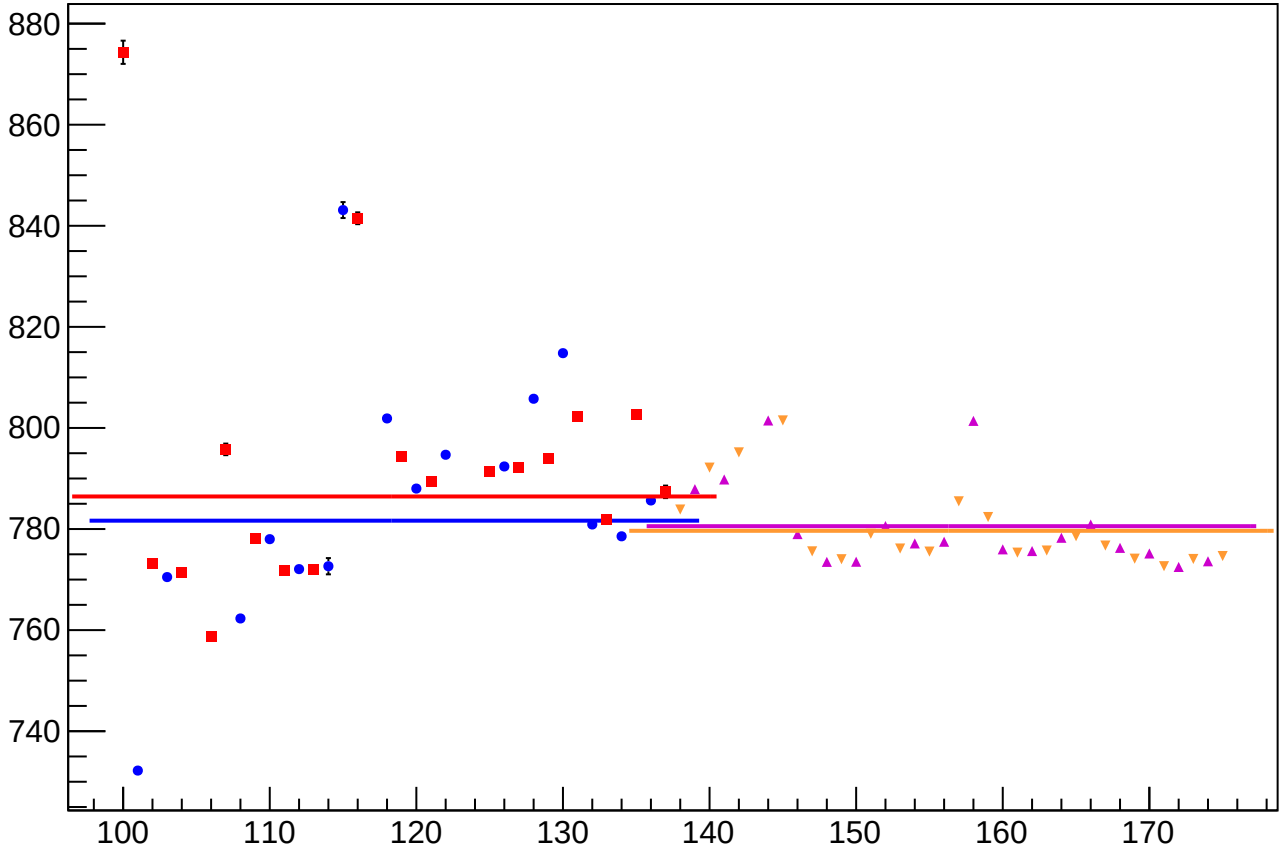
Left In: -2037.956+/-202.350 χ^2/NDF:25.4/17

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

All: -21.126+/-117.074 χ^2/NDF: 351.9/70

- sign -2033.915+/-165.908 χ^2/NDF: 37.3/35

cor_asym_us_avg_rms vs Slug



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

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

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

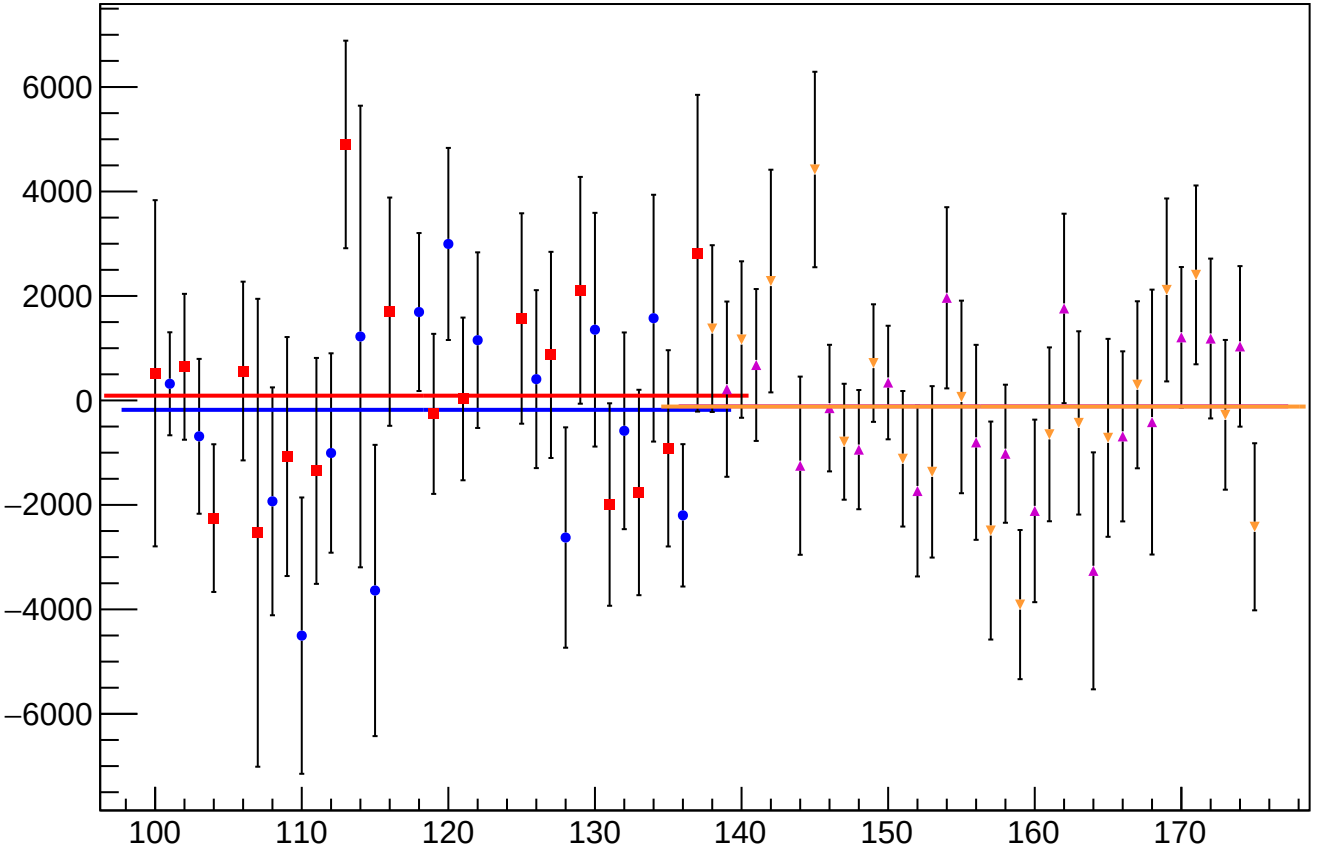
Left In: 780.565+/-0.143 χ^2/NDF:3742.1/17

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

All: 781.390+/-0.083 χ^2/NDF: 26876.3/70

- sign 782.491+/-0.117 χ^2/NDF: 11496.9/35

asym_us_avg_cor_correction_mean vs Slug



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

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

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

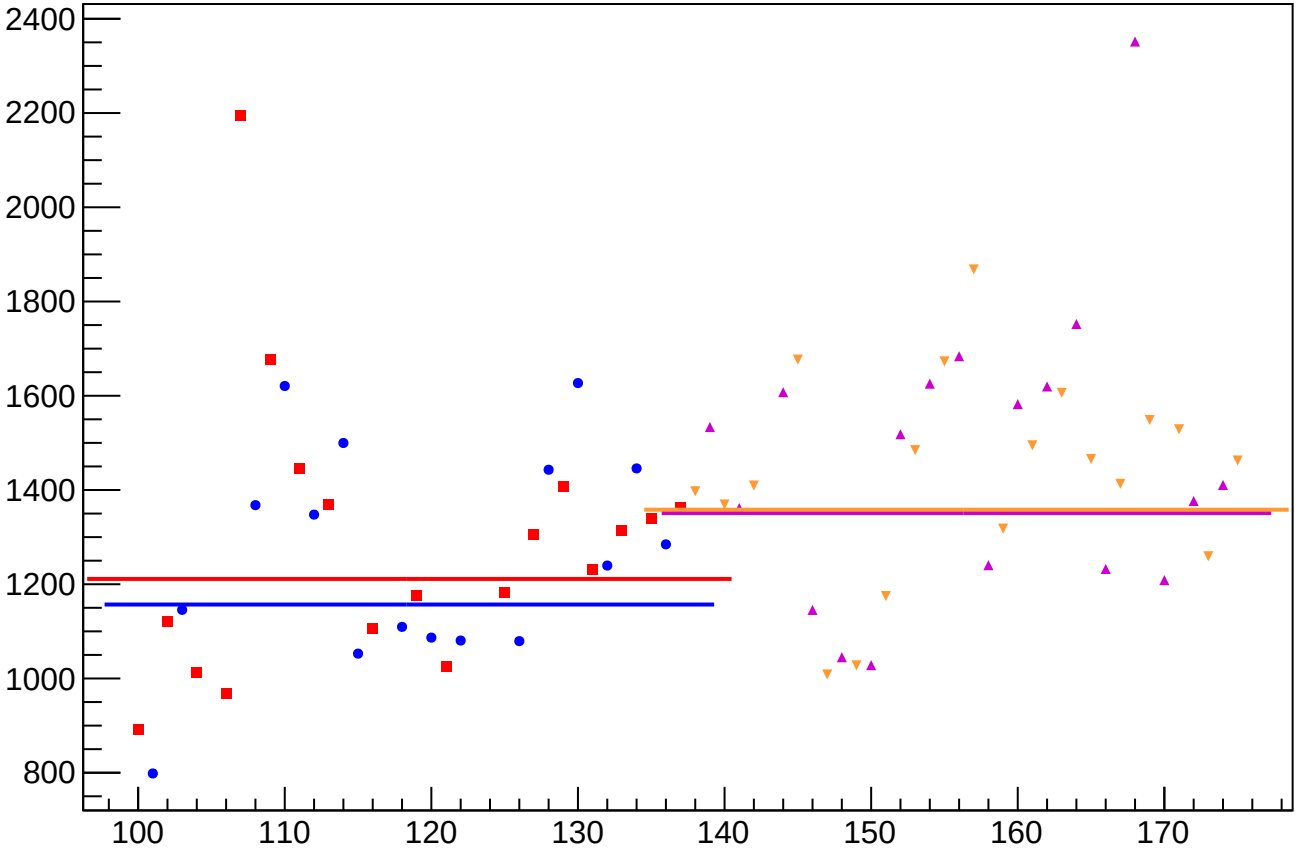
Left In: -112.356+/-358.179 χ^2/NDF:11.2/17

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

All: -89.017+/-197.633 χ^2/NDF: 67.4/70

- sign -34.402+/-281.393 χ^2/NDF: 26.5/35

asym_us_avg_cor_correction_rms vs Slug



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

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

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

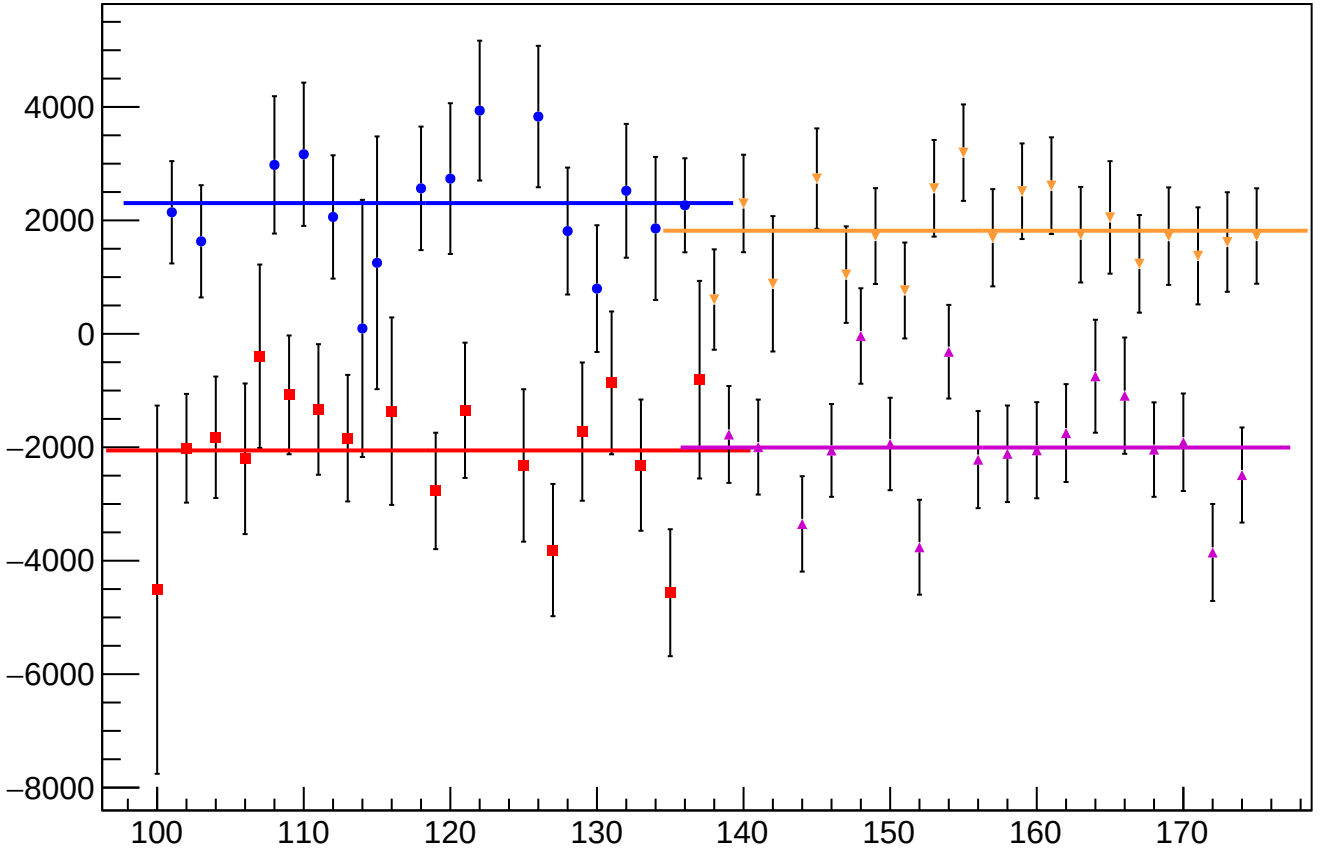
Left In: 1351.072+/-0.253 χ^2/NDF:1084881.7/17

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

All: 1287.836+/-0.140 χ^2/NDF: 3210889.1/70

- sign 1297.554+/-0.199 χ^2/NDF: 1599240.4/35

overload_cor_asym_us_avg_mean vs Slug



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

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

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

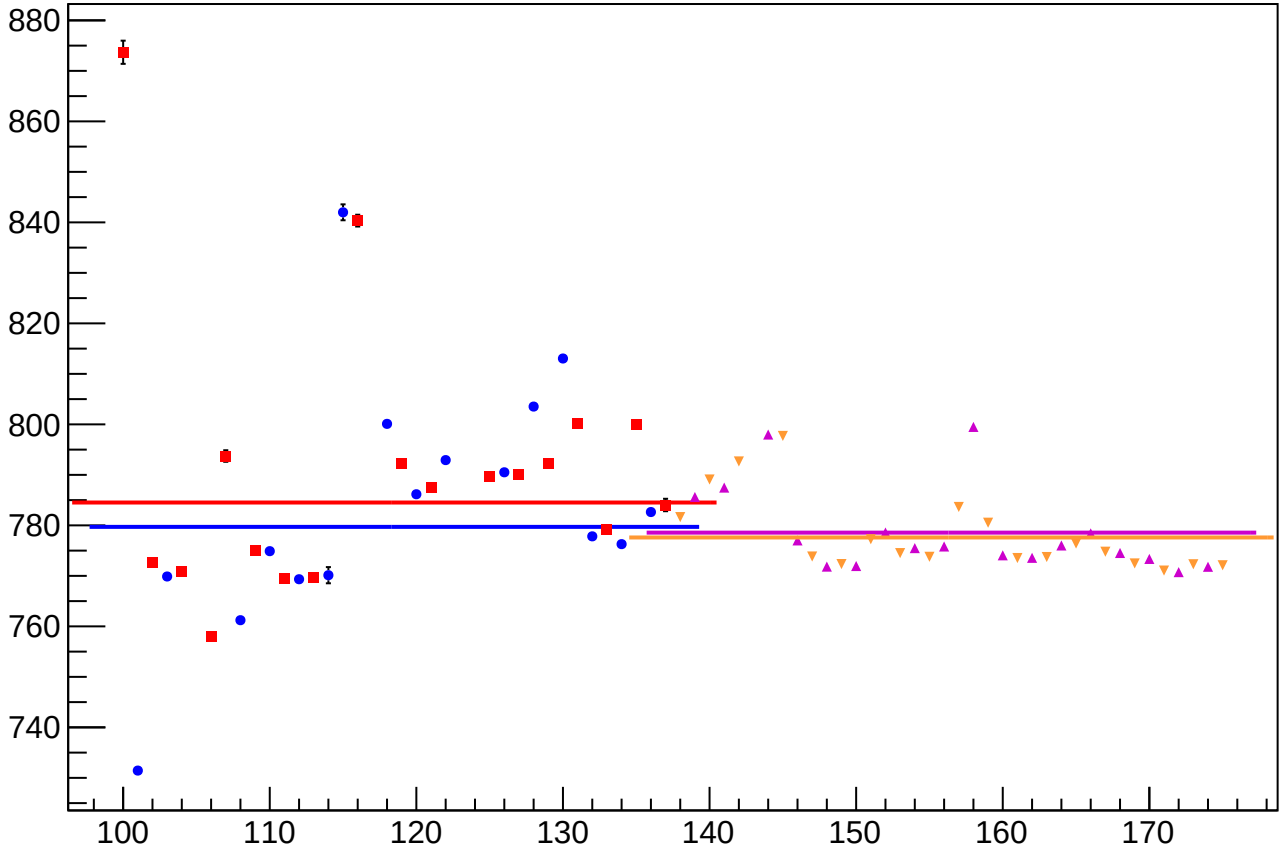
Left In: -2004.279+/-201.830 χ^2/NDF:24.3/17

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

All: -14.432+/-116.774 χ^2/NDF: 352.1/70

- sign -2021.119+/-165.488 χ^2/NDF: 37.2/35

overload_cor_asym_us_avg_rms vs Slug



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

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

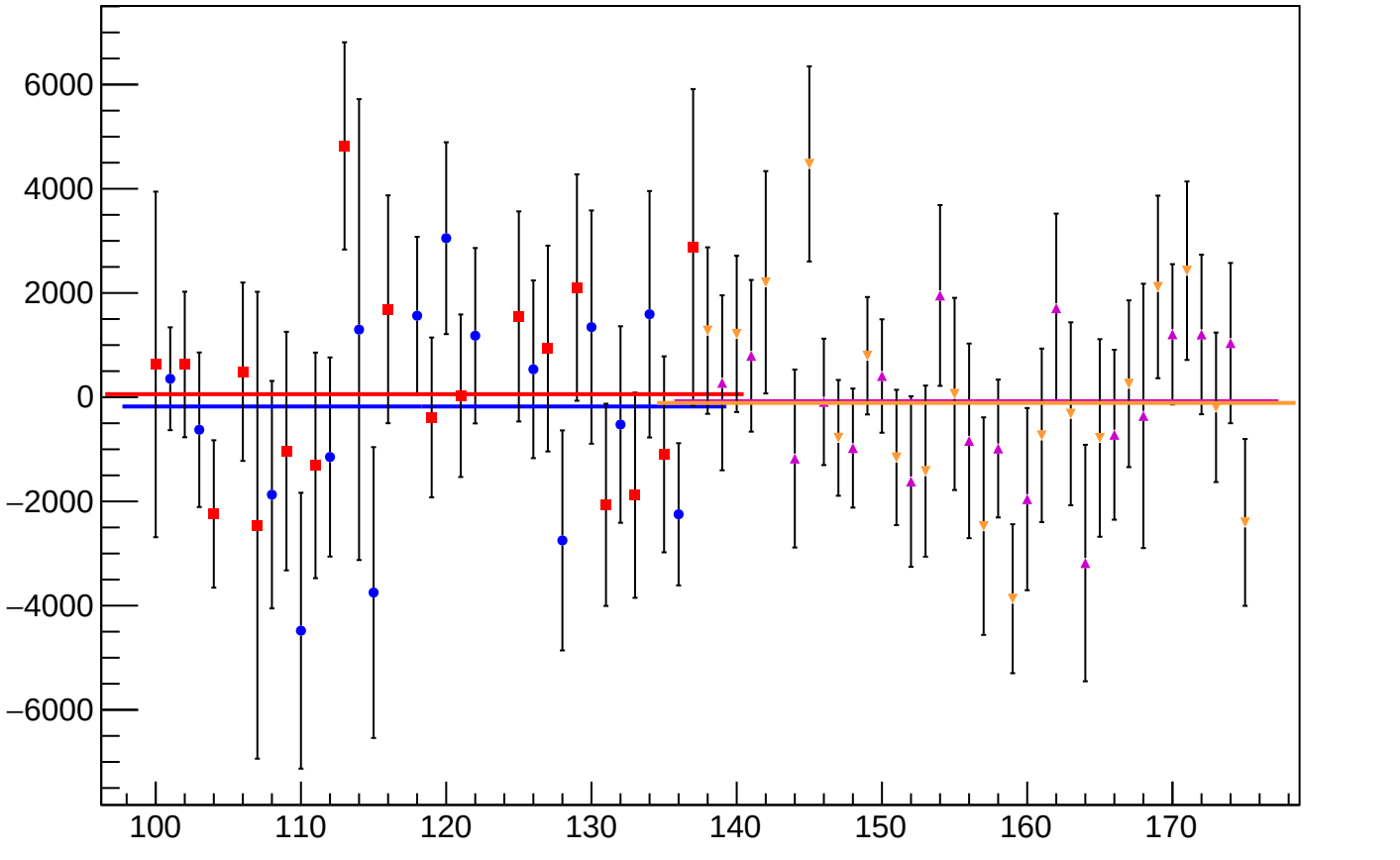
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 778.561+/-0.143 χ^2/NDF:3509.4/17

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

All: 779.394+/-0.083 χ^2/NDF: 26072.8/70

- sign 780.516+/-0.117 χ^2/NDF: 11241.5/35



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

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

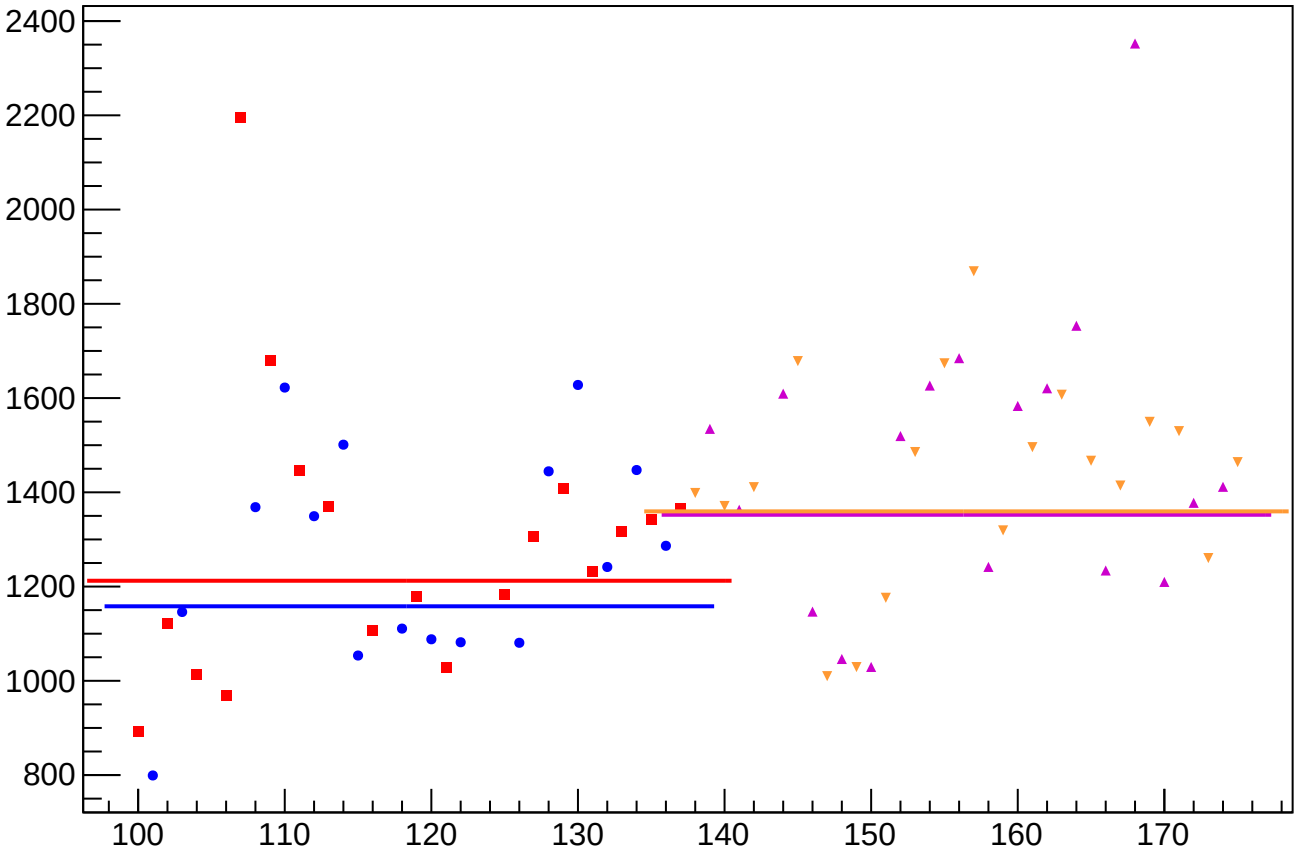
Right Out: 58.040+/-455.216 χ^2/NDF: 15.3/17

Left In: -77.489+/-358.503 χ^2/NDF:10.8/17

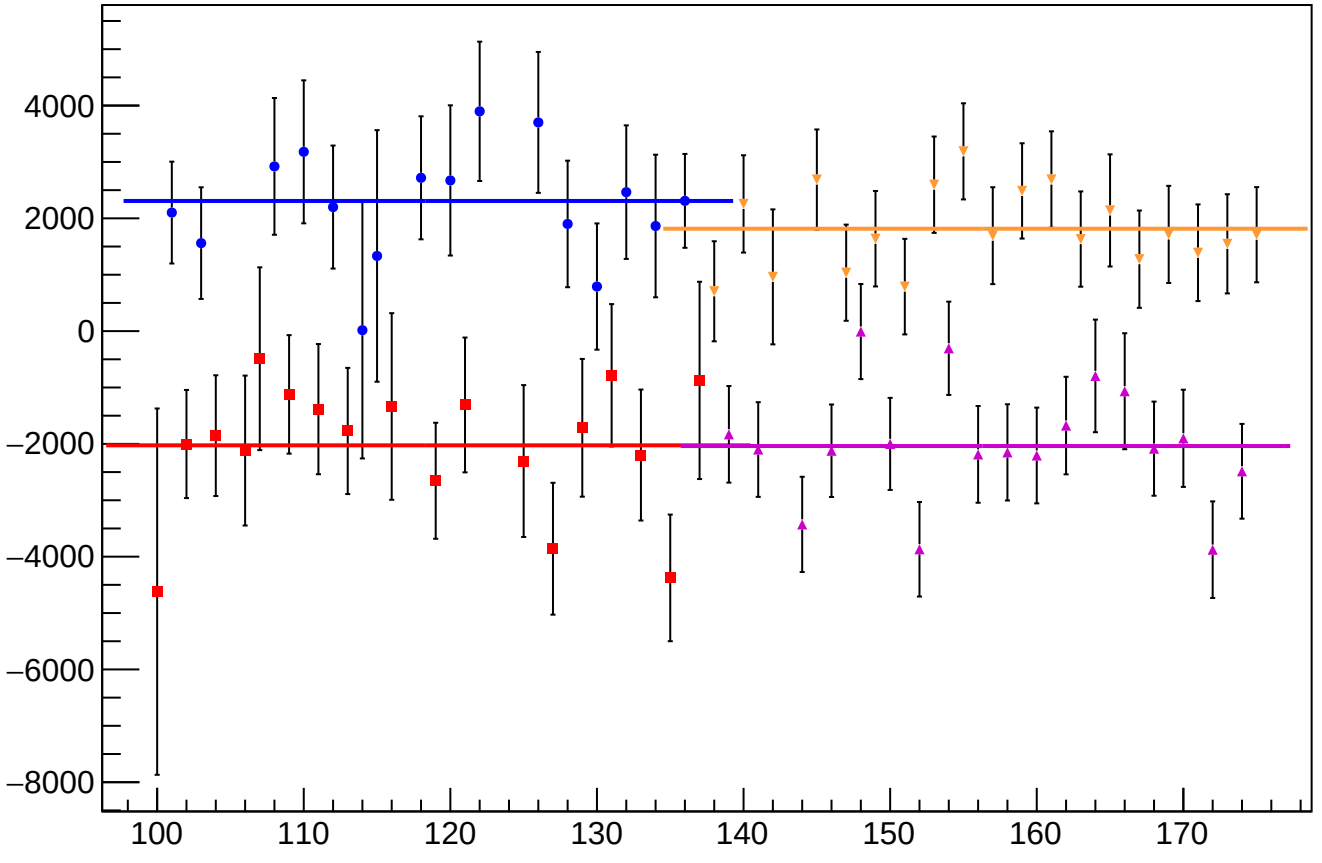
\+ sign -137.071+/-277.901 χ^2/NDF: 41.1/34

All: -82.086+/-197.817 χ^2/NDF: 67.3/70

\- sign -25.608+/-281.647 χ^2/NDF: 26.1/35


asym_us_avg_overload_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
Right In: 1158.134+/-0.312 χ²/NDF: 569144.8/15
Left Out: 1359.565+/-0.253 χ²/NDF:784069.6/18
Right Out: 1212.347+/-0.322 χ²/NDF: 397938.1/17
Left In: 1352.363+/-0.253 χ²/NDF:1082427.8/17
+ sign 1279.655+/-0.197 χ²/NDF: 1604694.5/34
All: 1289.082+/-0.140 χ²/NDF: 3206508.4/70
- sign 1298.765+/-0.199 χ²/NDF: 1597148.7/35

eigen_cor_asym_us_avg_mean vs Slug



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

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

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

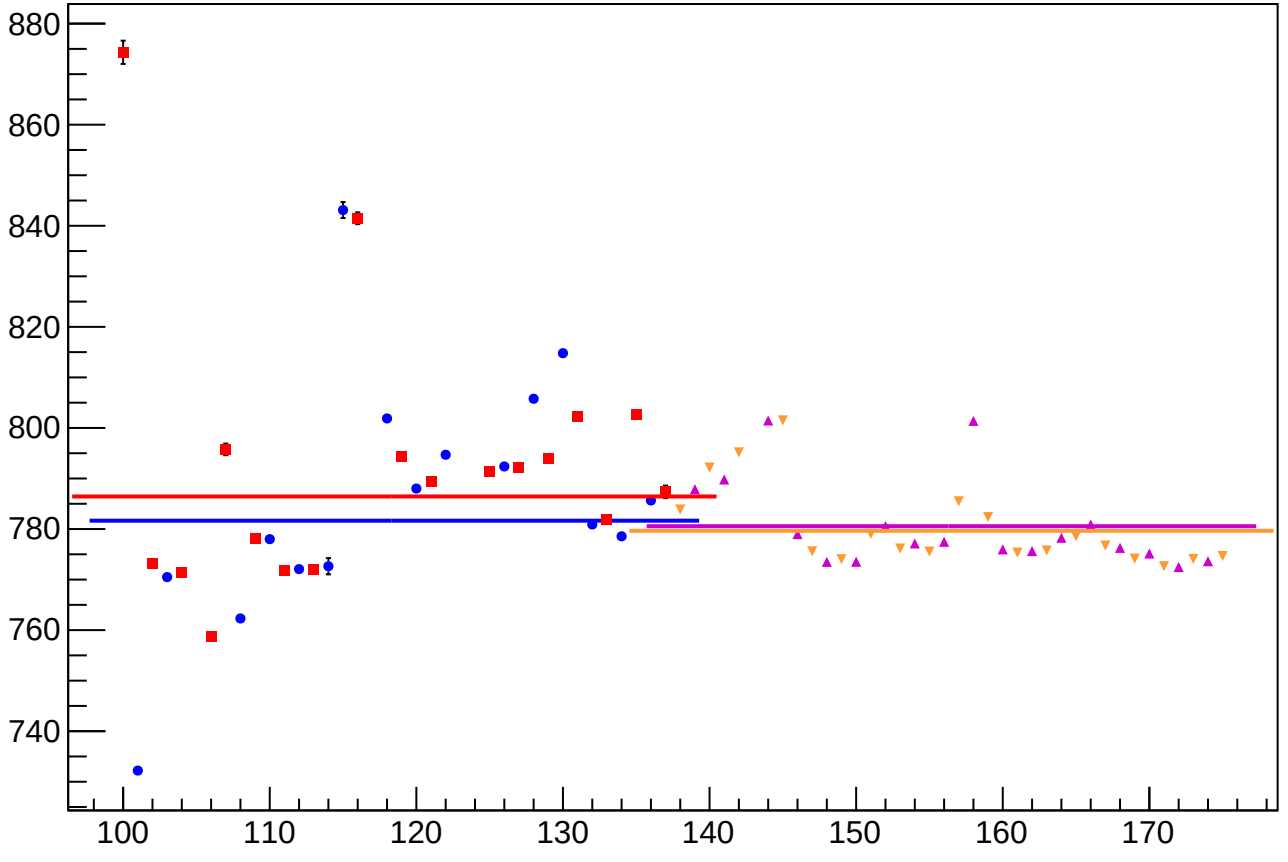
Left In: -2037.956+/-202.350 χ^2/NDF:25.4/17

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

All: -21.126+/-117.074 χ^2/NDF: 351.9/70

- sign -2033.915+/-165.908 χ^2/NDF: 37.3/35

eigen_cor_asym_us_avg_rms vs Slug



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

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

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

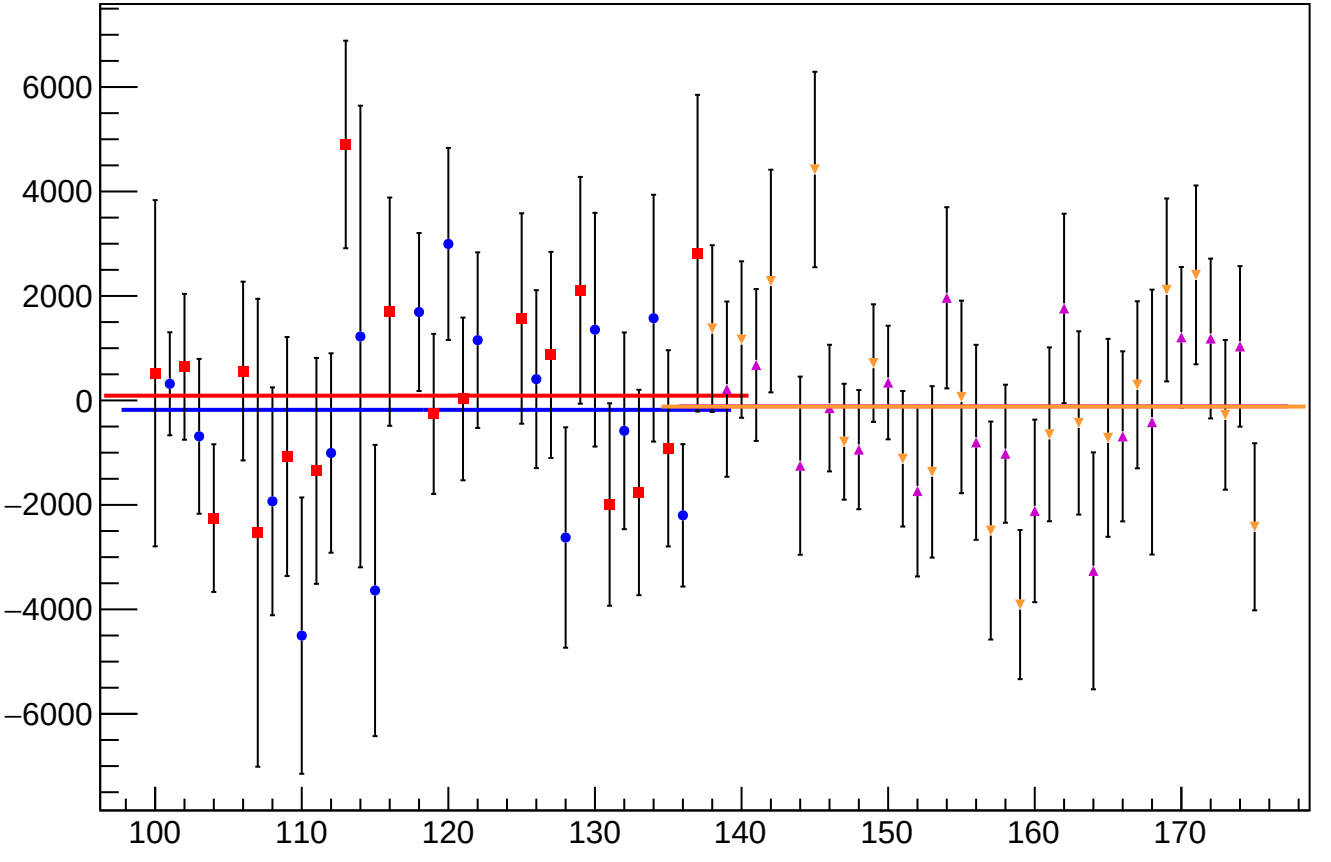
Left In: 780.565+/-0.143 χ^2/NDF:3742.1/17

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

All: 781.390+/-0.083 χ^2/NDF: 26876.3/70

- sign 782.491+/-0.117 χ^2/NDF: 11496.9/35

asym_us_avg_eigen_cor_correction_mean vs Slug



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

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

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

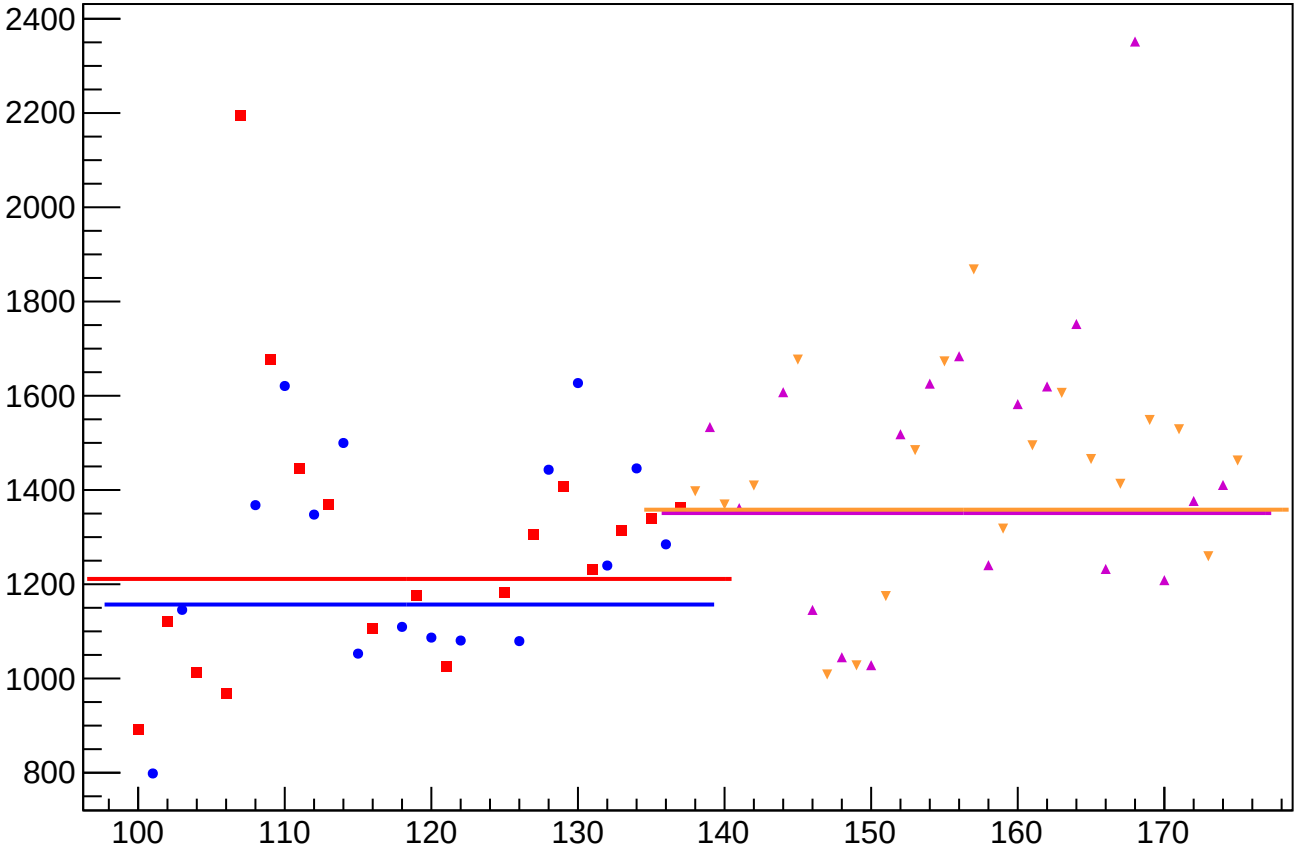
Left In: -112.356+/-358.179 χ^2/NDF:11.2/17

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

All: -89.017+/-197.633 χ^2/NDF: 67.4/70

- sign -34.402+/-281.393 χ^2/NDF: 26.5/35

asym_us_avg_eigen_cor_correction_rms vs Slug



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

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

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

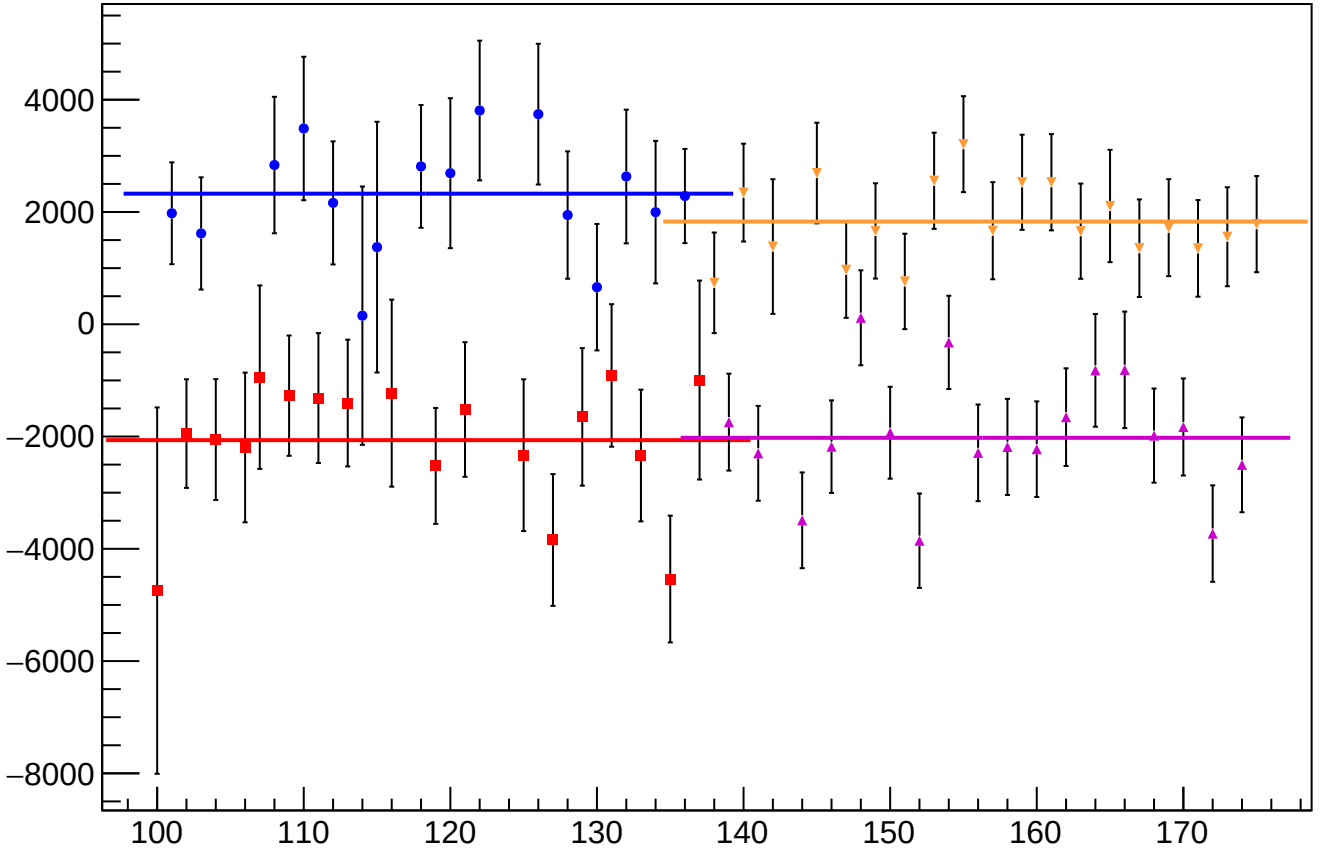
Left In: 1351.072+/-0.253 χ^2/NDF:1084881.7/17

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

All: 1287.836+/-0.140 χ^2/NDF: 3210889.1/70

- sign 1297.554+/-0.199 χ^2/NDF: 1599240.4/35

dit_asym_us_avg_mean vs Slug



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

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

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

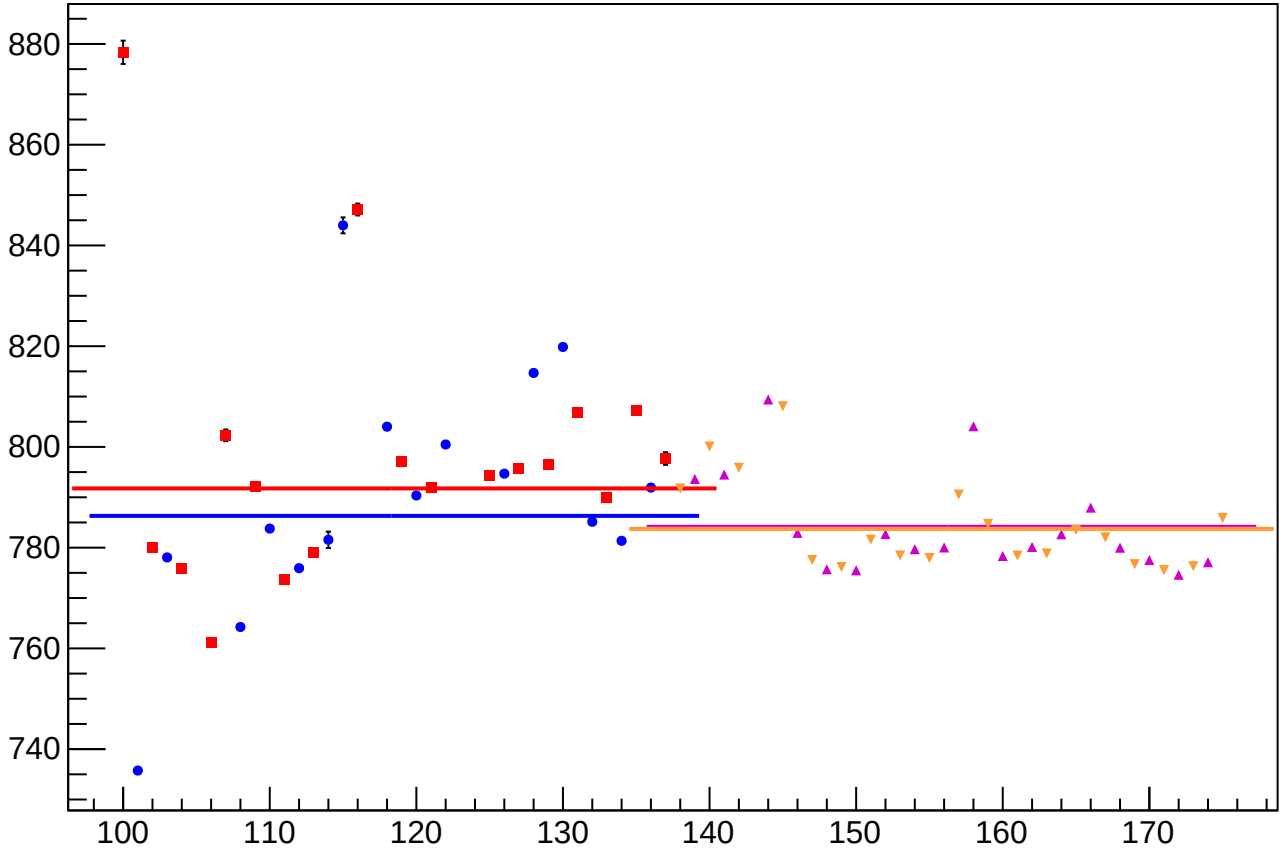
Left In: -2022.647+/-203.288 χ^2/NDF:26.1/17

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

All: -15.007+/-117.712 χ^2/NDF: 351.4/70

- sign -2036.153+/-166.799 χ^2/NDF: 37.7/35

dit_asym_us_avg_rms vs Slug



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

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

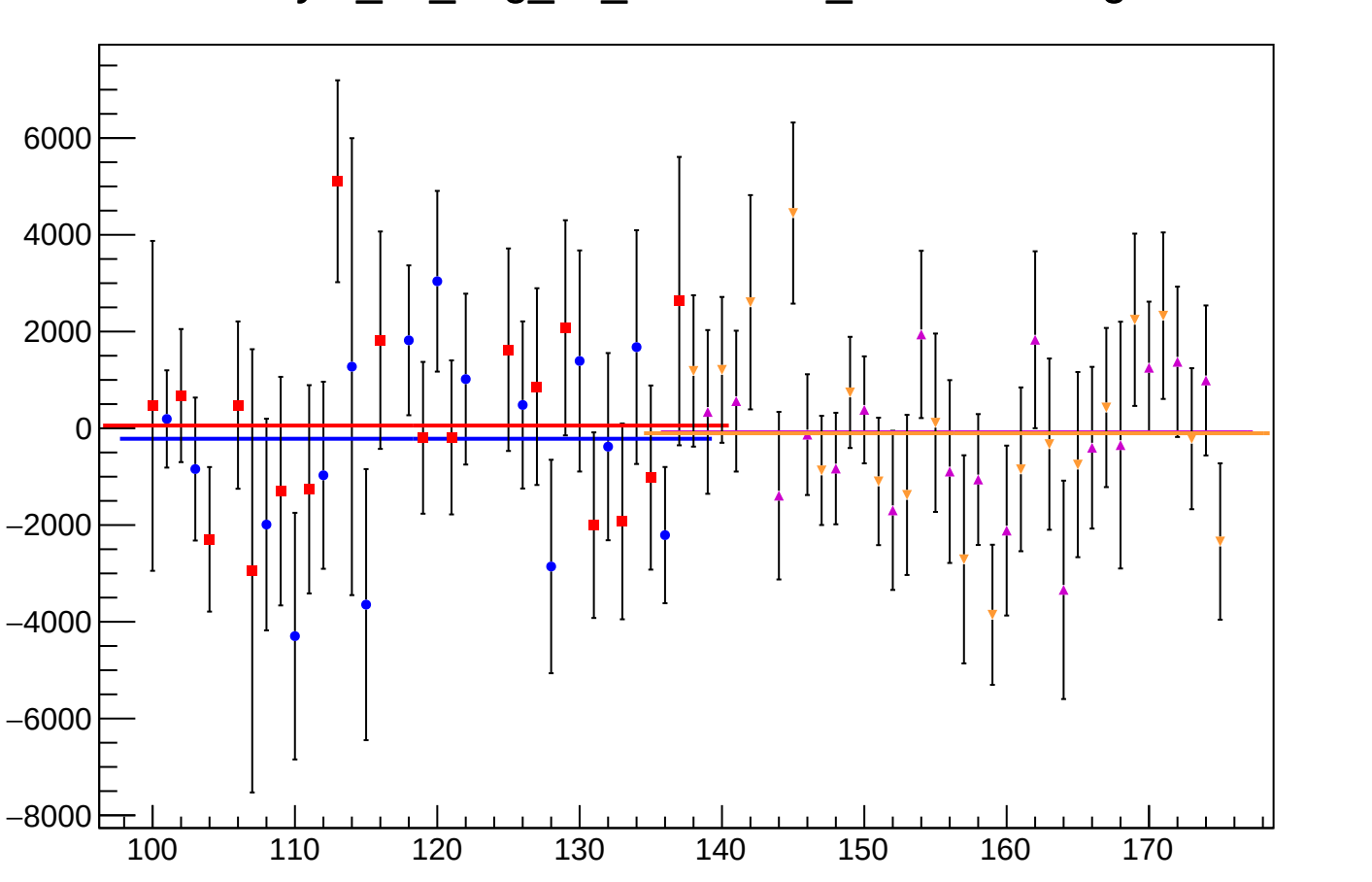
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 784.150+/-0.144 χ^2/NDF:4637.8/17

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

All: 785.597+/-0.083 χ^2/NDF: 29128.1/70

- sign 786.636+/-0.118 χ^2/NDF: 12567.9/35



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

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

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

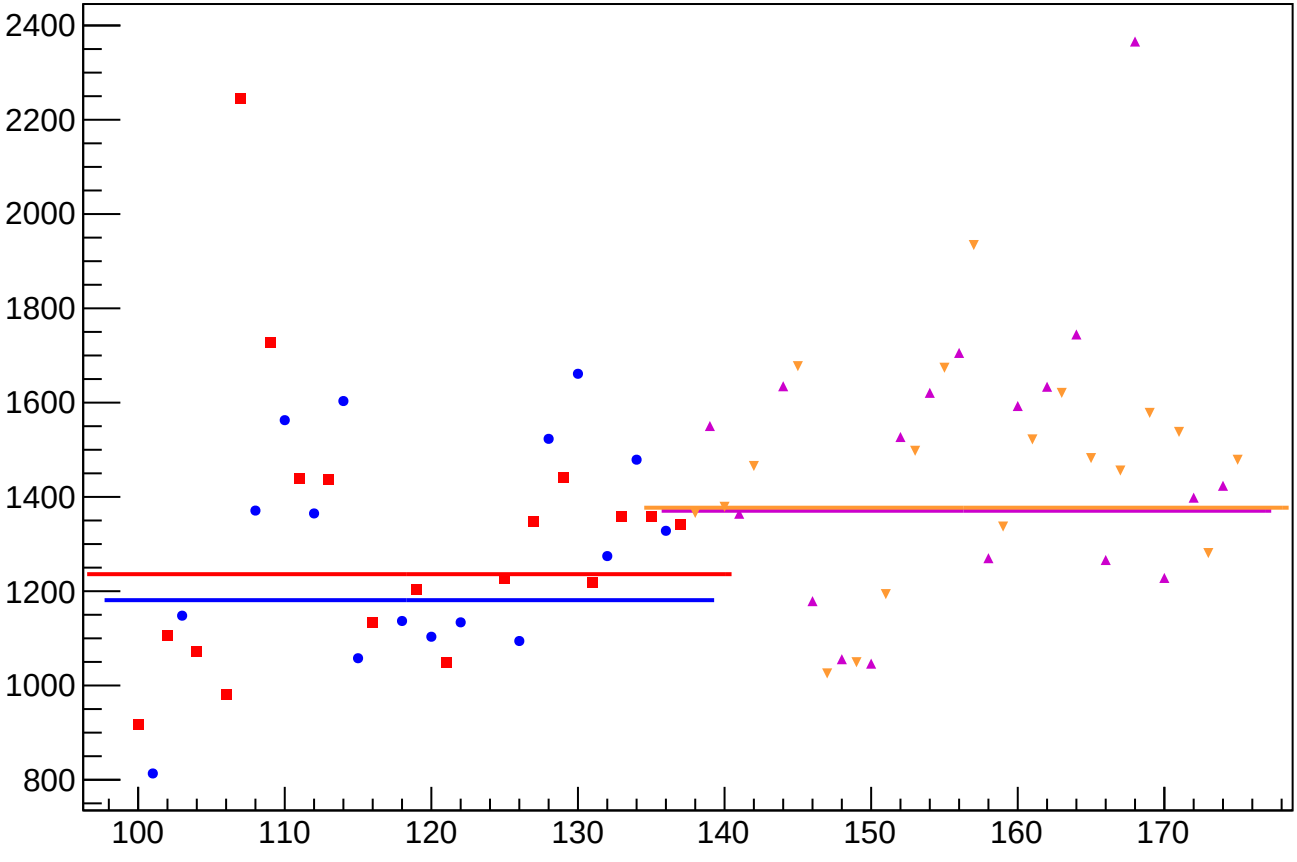
Left In: -82.325+/-362.889 χ^2/NDF:11.3/17

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

All: -89.186+/-200.750 χ^2/NDF: 67.2/70

\- sign -29.526+/-285.844 χ^2/NDF: 26.5/35

asym_us_avg_dit_correction_rms vs Slug



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

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

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

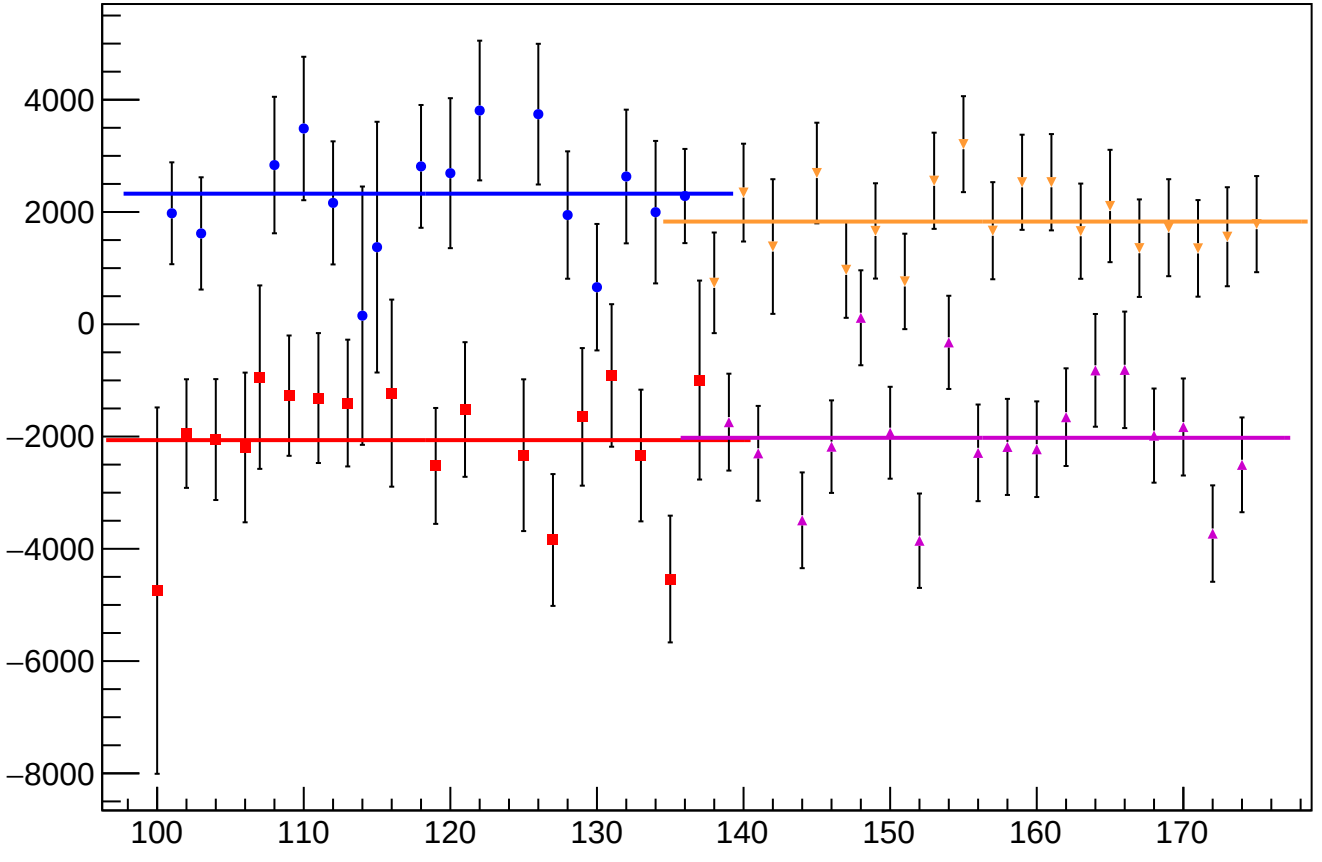
Left In: 1370.659+/-0.257 χ^2/NDF:1036752.9/17

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

All: 1309.639+/-0.142 χ^2/NDF: 3116229.3/70

- sign 1319.601+/-0.202 χ^2/NDF: 1538310.2/35

eigen_dit_asym_us_avg_mean vs Slug



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

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

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

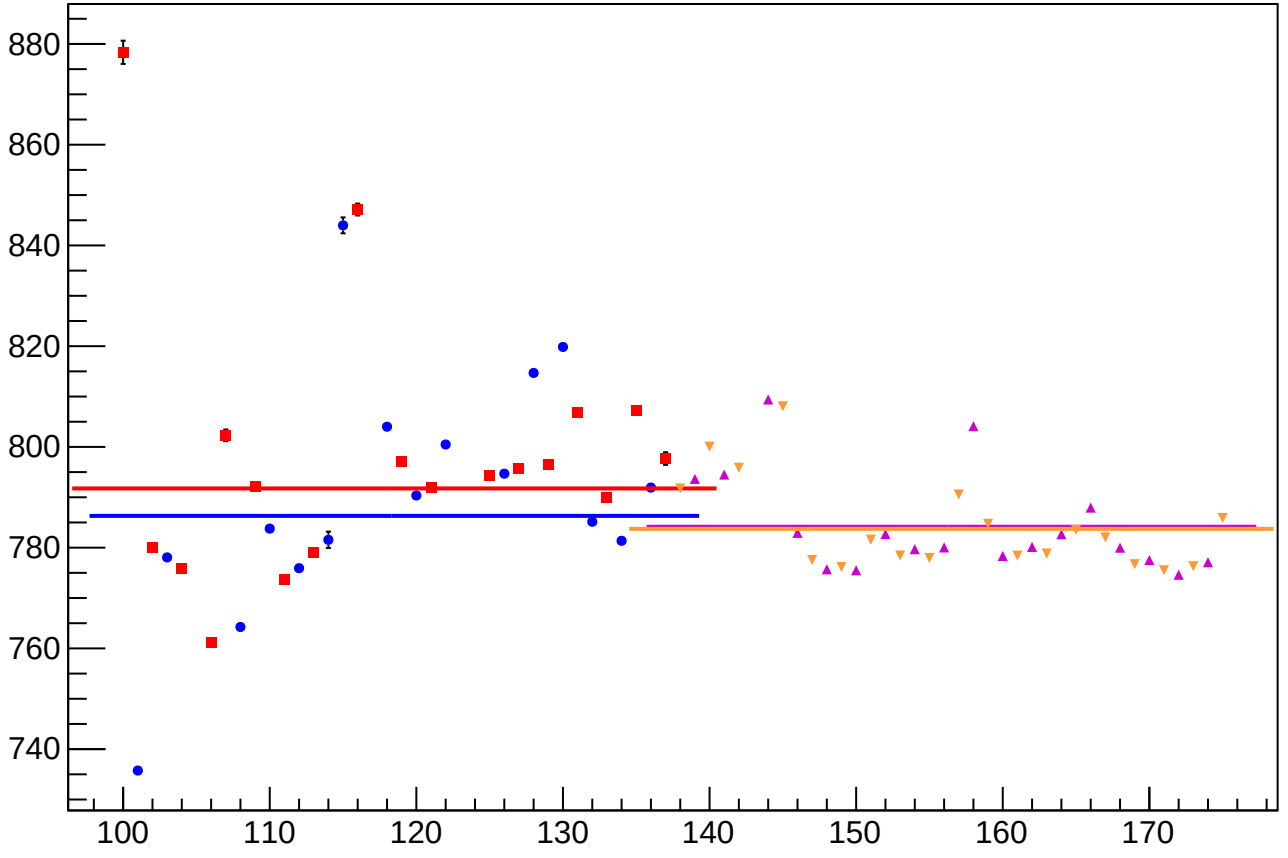
Left In: -2022.648+/-203.288 χ^2/NDF:26.1/17

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

All: -15.009+/-117.712 χ^2/NDF: 351.4/70

- sign -2036.153+/-166.799 χ^2/NDF: 37.7/35

eigen_dit_asym_us_avg_rms vs Slug



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

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

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

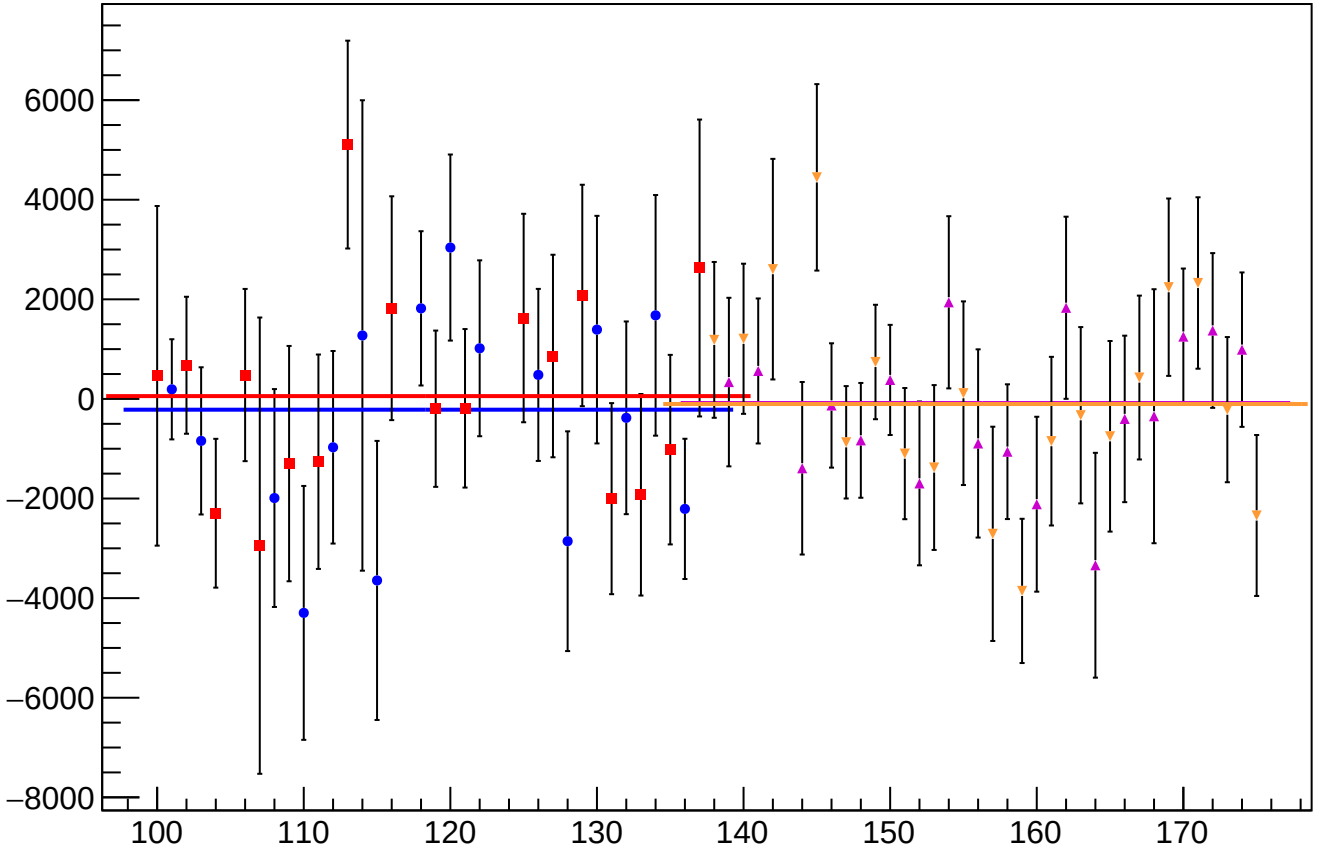
Left In: 784.150+/-0.144 χ^2/NDF:4637.9/17

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

All: 785.597+/-0.083 χ^2/NDF: 29128.0/70

- sign 786.636+/-0.118 χ^2/NDF: 12567.8/35

asym_us_avg_eigen_dit_correction_mean vs Slug



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

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

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

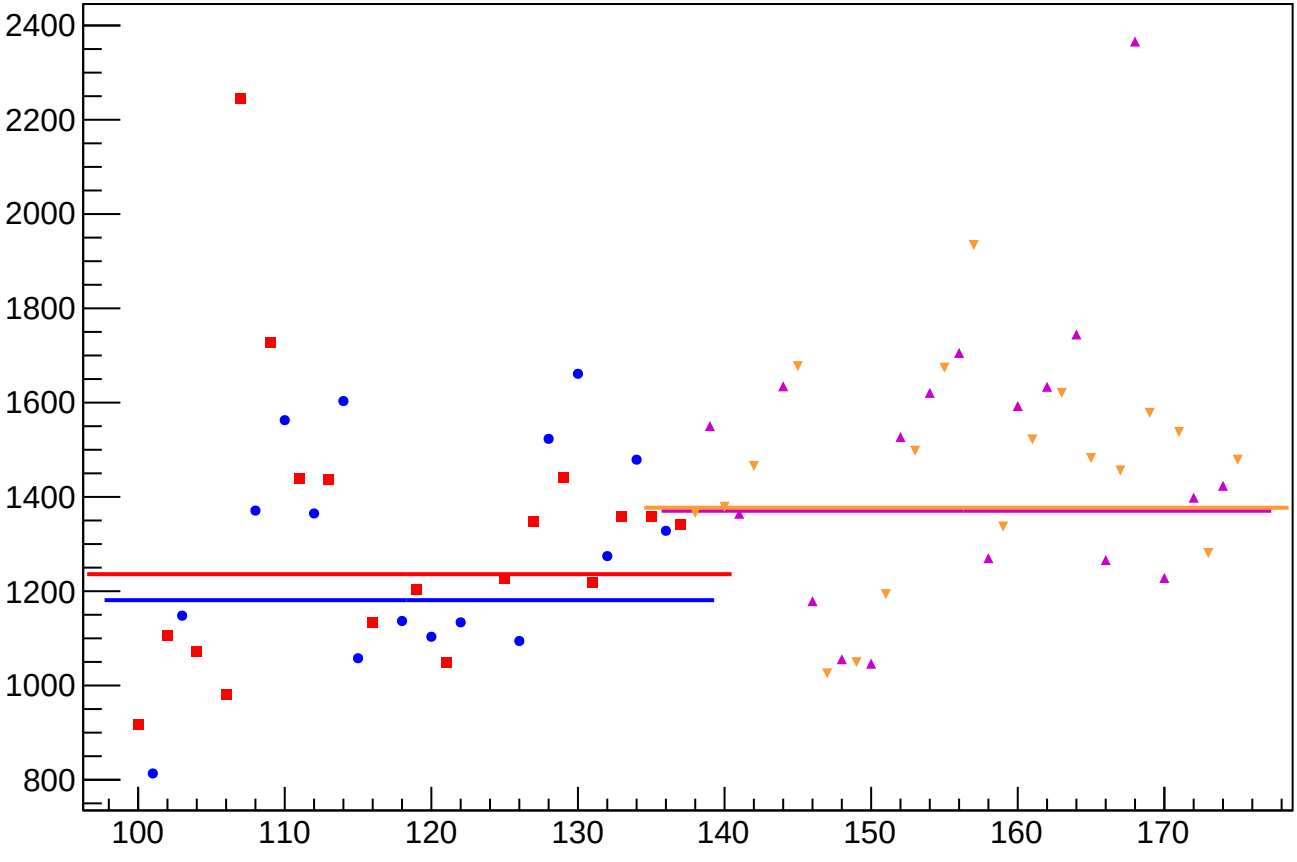
Left In: -82.325+/-362.890 χ^2/NDF:11.3/17

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

All: -89.187+/-200.750 χ^2/NDF: 67.2/70

\- sign -29.527+/-285.844 χ^2/NDF: 26.5/35

asym_us_avg_eigen_dit_correction_rms vs Slug



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

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

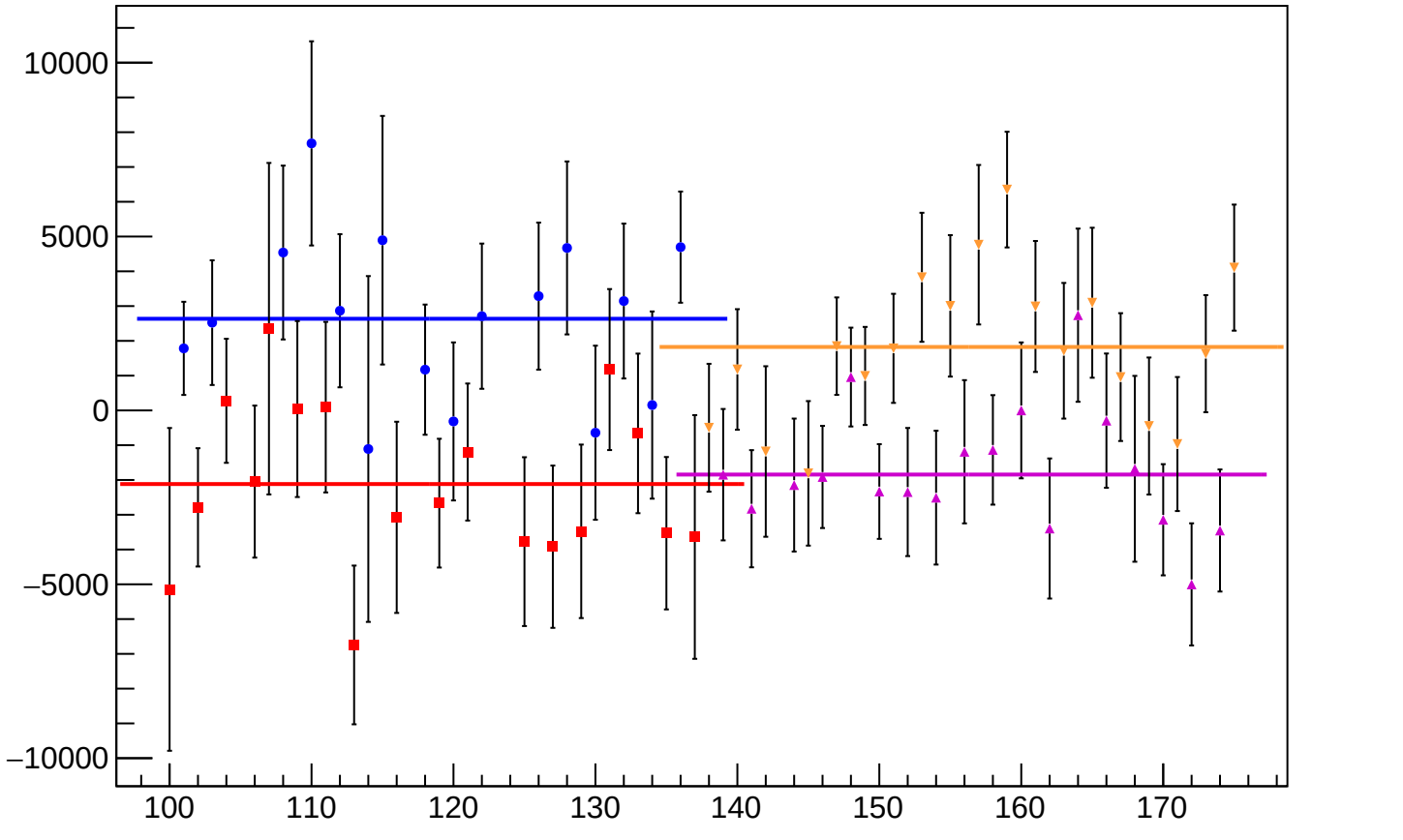
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

Left In: 1370.661+/-0.257 χ^2/NDF:1036753.8/17

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

All: 1309.639+/-0.142 χ^2/NDF: 3116251.3/70

- sign 1319.601+/-0.202 χ^2/NDF: 1538319.1/35



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

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

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

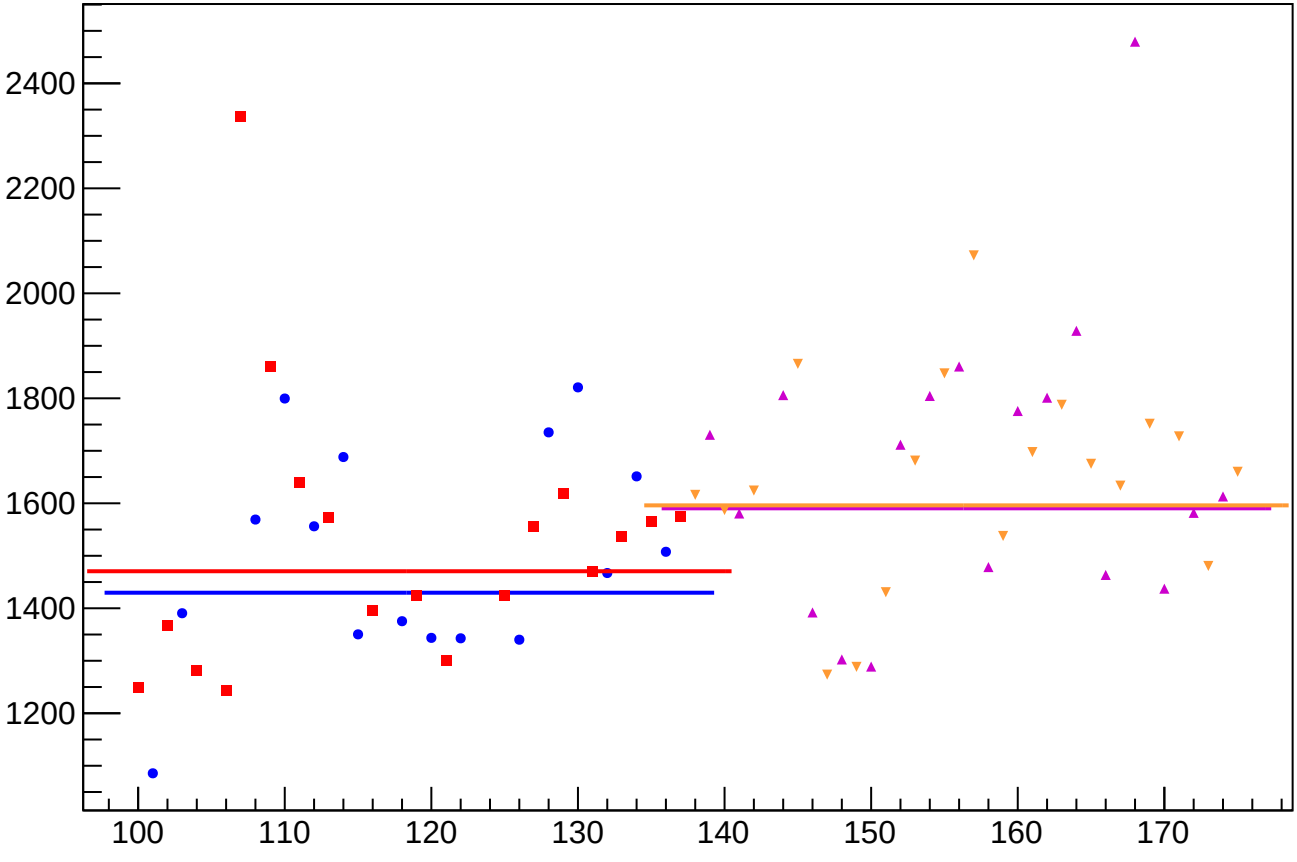
Left In: -1844.209+/-417.885 χ^2/NDF:15.1/17

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

All: 109.799+/-233.846 χ^2/NDF: 141.7/70

- sign -1944.691+/-332.178 χ^2/NDF: 29.0/35

asym_us_avg_rms vs Slug



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

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

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

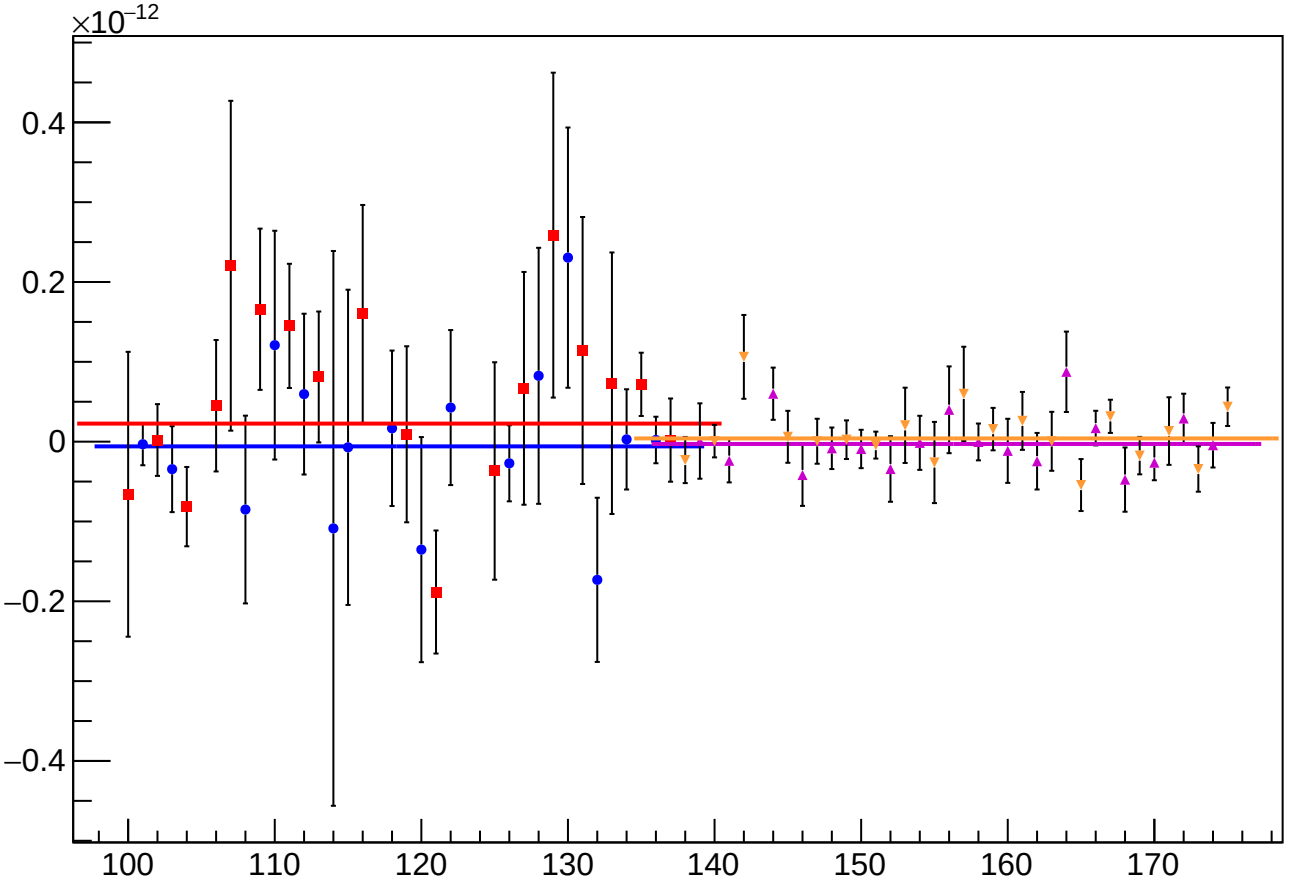
Left In: 1590.423+/-0.295 χ^2/NDF:656615.3/17

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

All: 1539.964+/-0.165 χ^2/NDF: 1793255.8/70

- sign 1546.300+/-0.235 χ^2/NDF: 935252.2/35

asym_us_avg_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/18

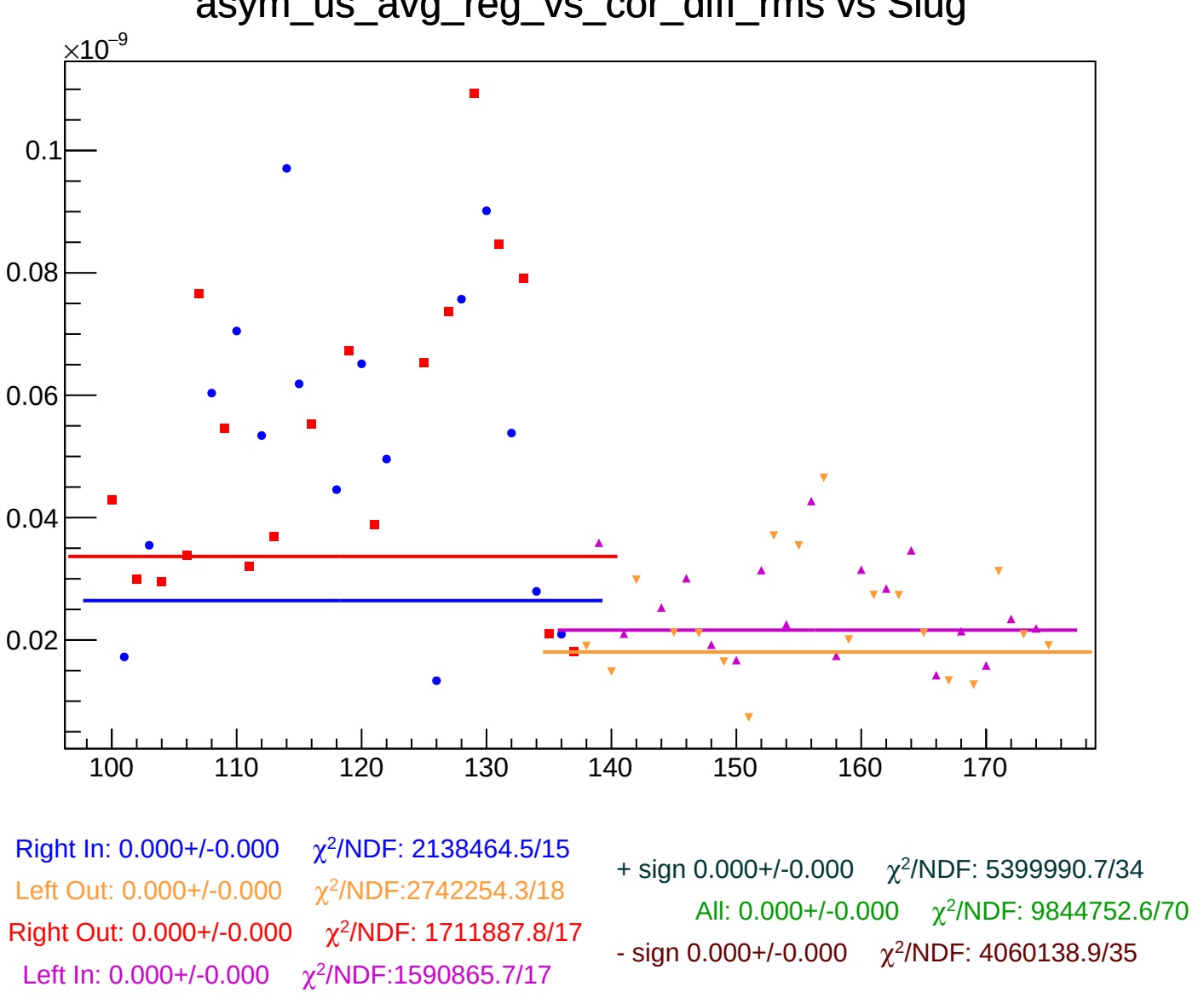
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:14.5/17

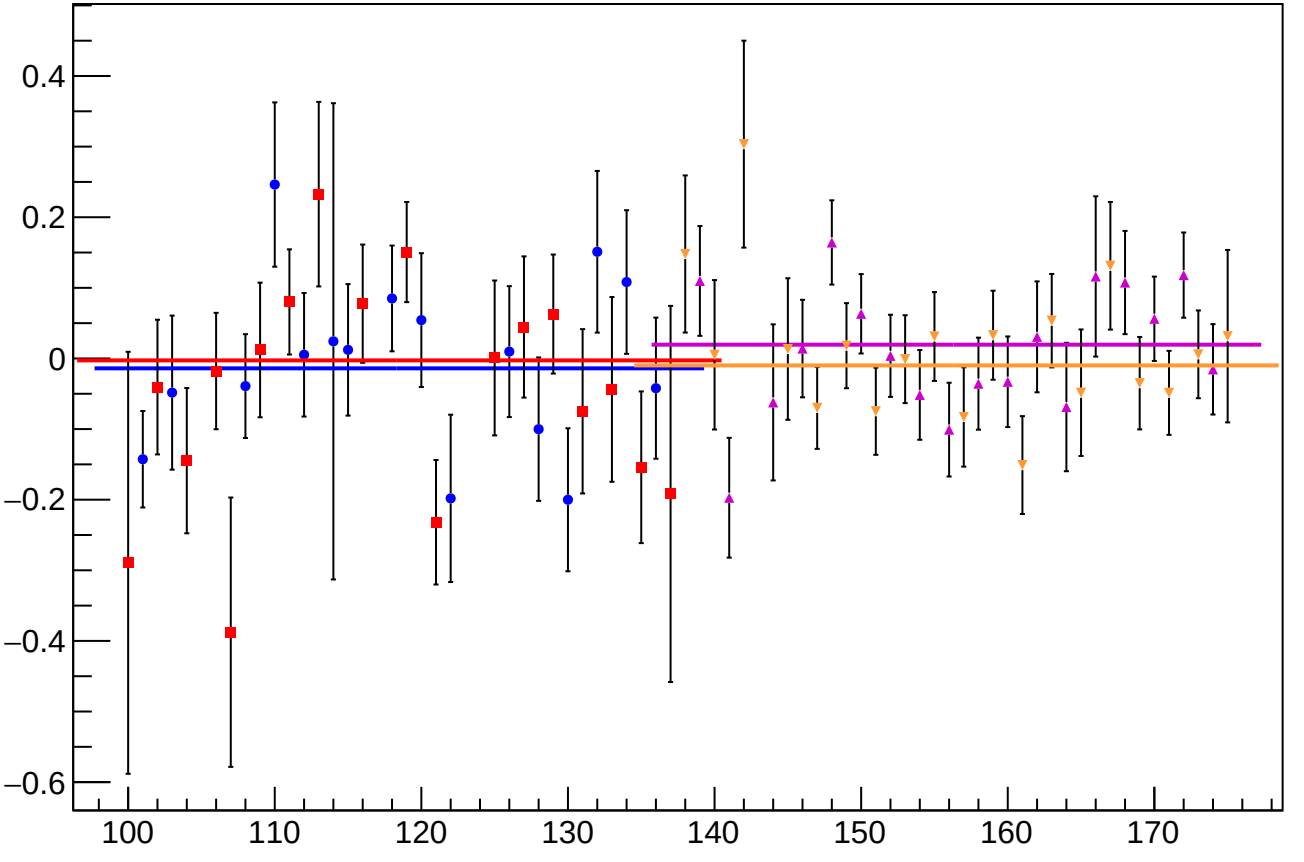
+ sign 0.000+/-0.000 χ^2/NDF: 26.2/34

All: 0.000+/-0.000 χ^2/NDF: 65.6/70

- sign 0.000+/-0.000 χ^2/NDF: 39.3/35


asym_us_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2138464.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2742254.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 1711887.8/17
Left In: 0.000+/-0.000 χ²/NDF:1590865.7/17
+ sign 0.000+/-0.000 χ²/NDF: 5399990.7/34
All: 0.000+/-0.000 χ²/NDF: 9844752.6/70
- sign 0.000+/-0.000 χ²/NDF: 4060138.9/35

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

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

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

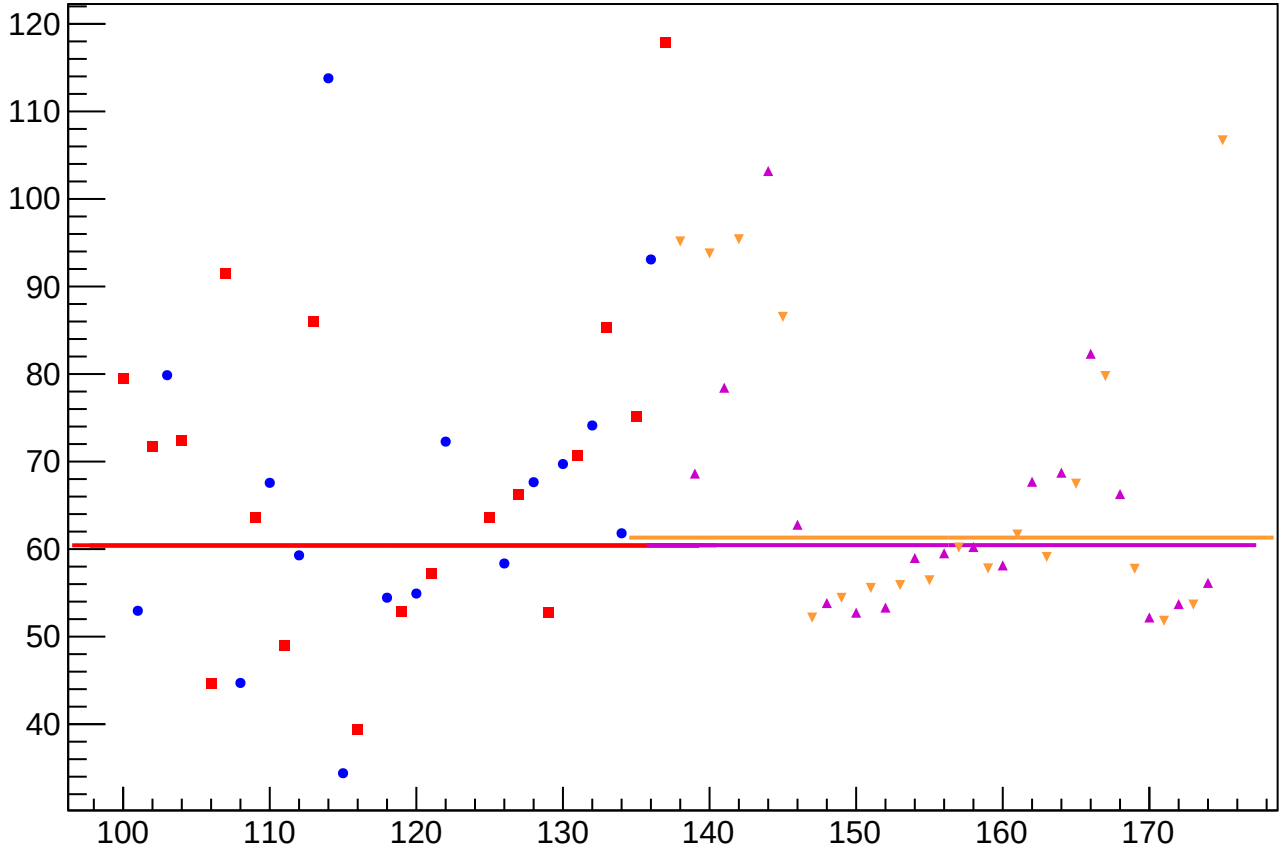
Left In: 0.020+/-0.016 χ^2/NDF:27.4/17

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

All: 0.001+/-0.010 χ^2/NDF: 98.1/70

- sign 0.012+/-0.013 χ^2/NDF: 55.7/35

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

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

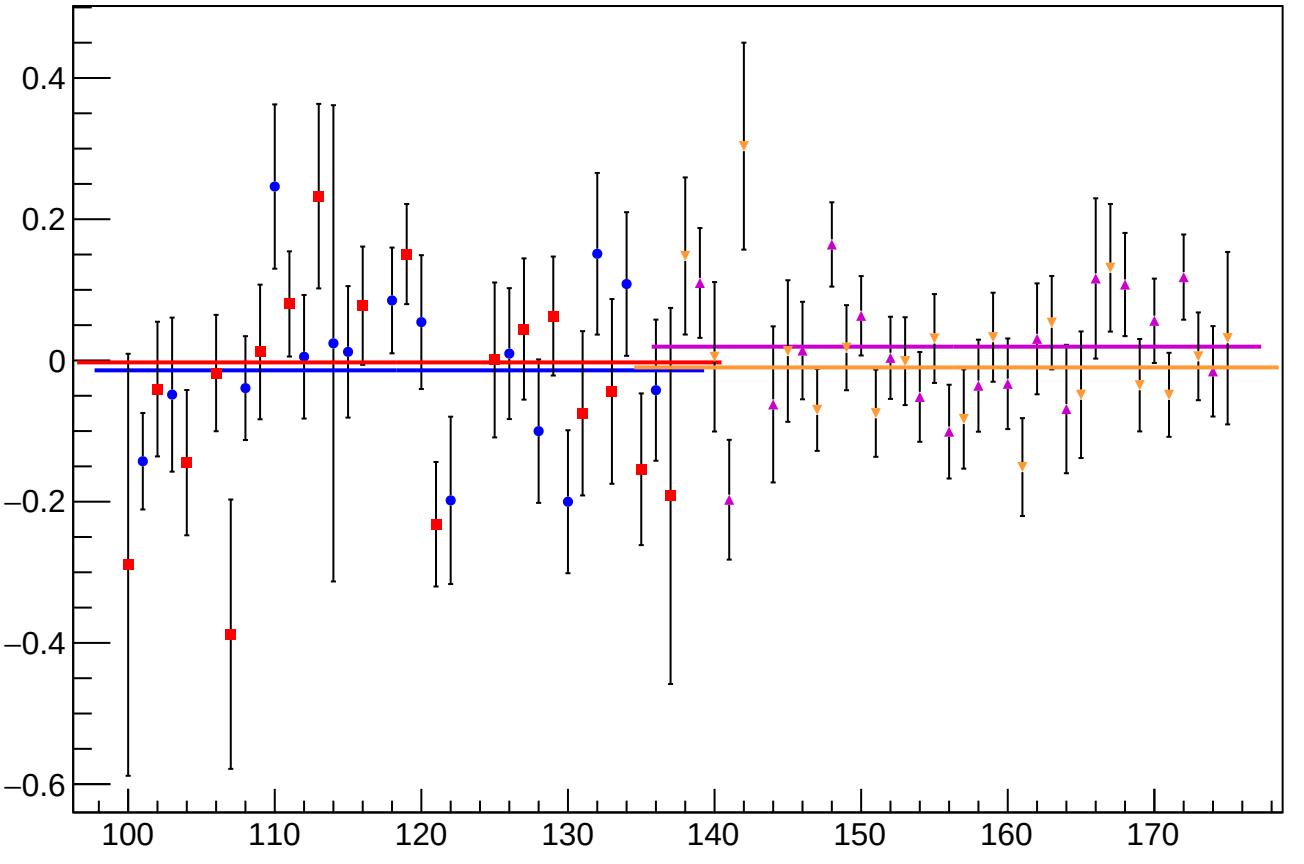
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 60.454+/-0.011 χ^2/NDF:702539.8/17

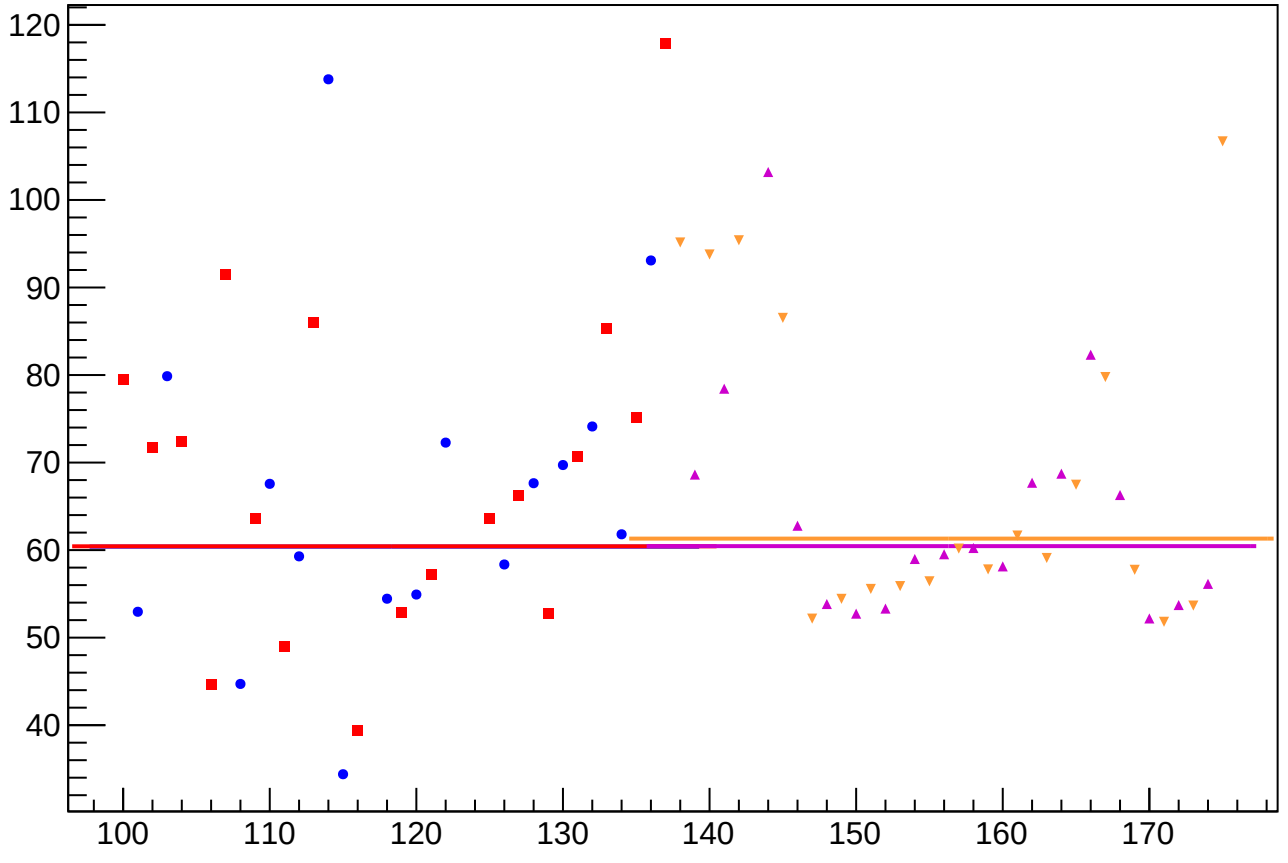
+ sign 61.016+/-0.010 χ^2/NDF: 1898747.8/34

All: 60.727+/-0.007 χ^2/NDF: 3314149.1/70

- sign 60.447+/-0.009 χ^2/NDF: 1413634.1/35


asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.010+/-0.017 χ²/NDF:19.5/18
Right Out: -0.003+/-0.024 χ²/NDF: 27.8/17
Left In: 0.020+/-0.016 χ²/NDF:27.4/17
+ sign -0.011+/-0.014 χ²/NDF: 40.8/34
All: 0.001+/-0.010 χ²/NDF: 98.1/70
- sign 0.012+/-0.013 χ²/NDF: 55.7/35

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug



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

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

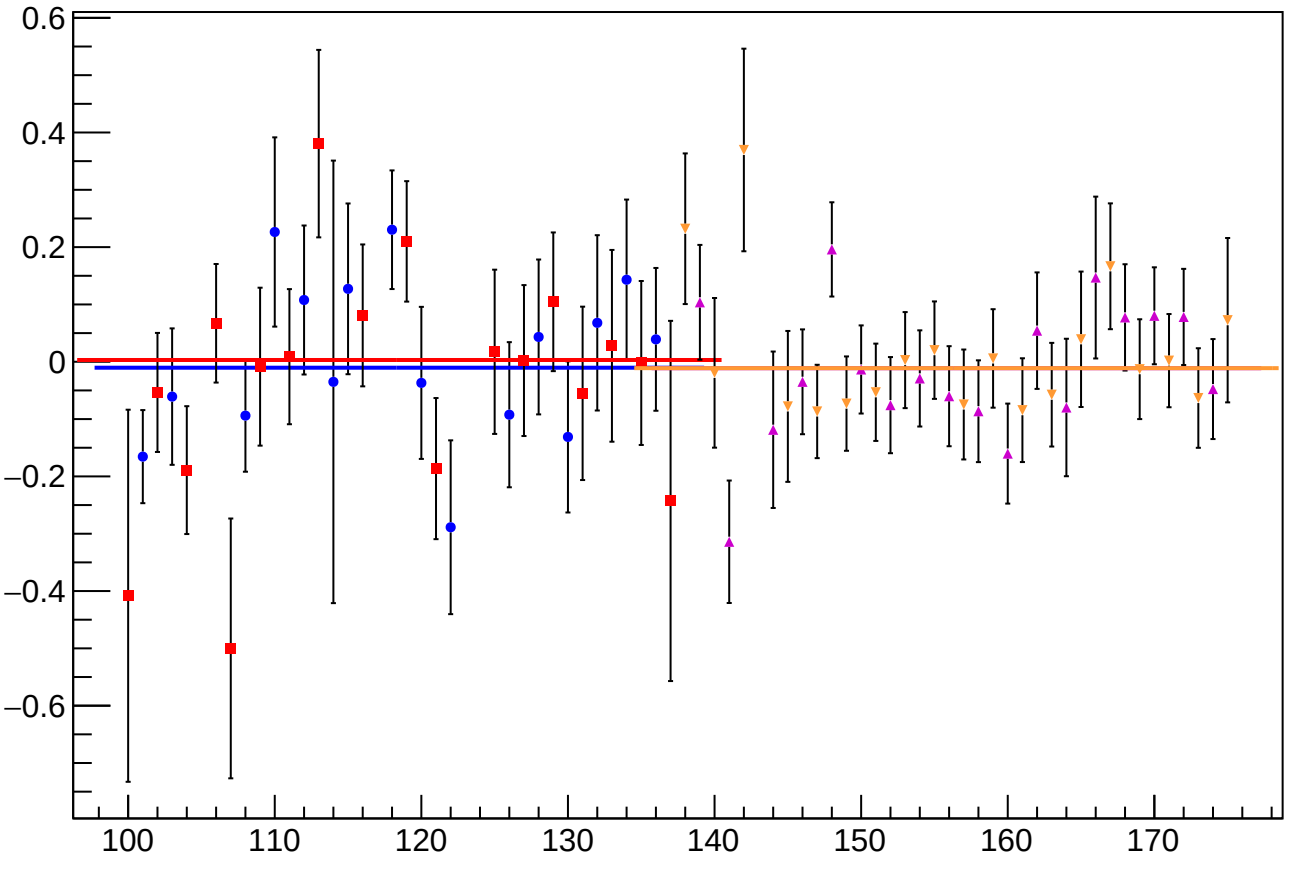
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 60.454+/-0.011 χ^2/NDF:702539.8/17

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

All: 60.727+/-0.007 χ^2/NDF: 3314149.1/70

- sign 60.447+/-0.009 χ^2/NDF: 1413634.1/35



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

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

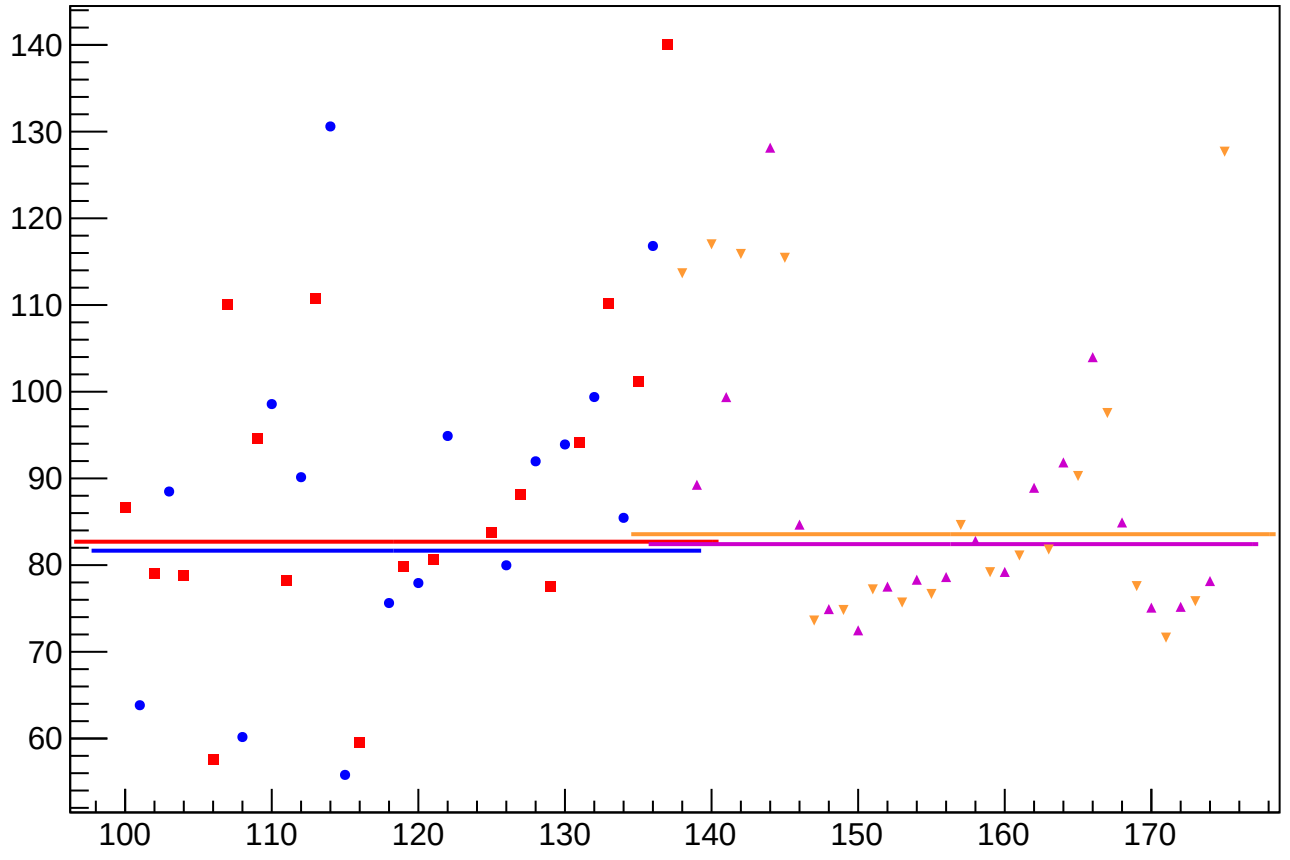
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.011+/-0.022 χ^2/NDF:26.4/17

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

All: -0.009+/-0.013 χ^2/NDF: 85.4/70

- sign -0.007+/-0.018 χ^2/NDF: 50.2/35



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

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

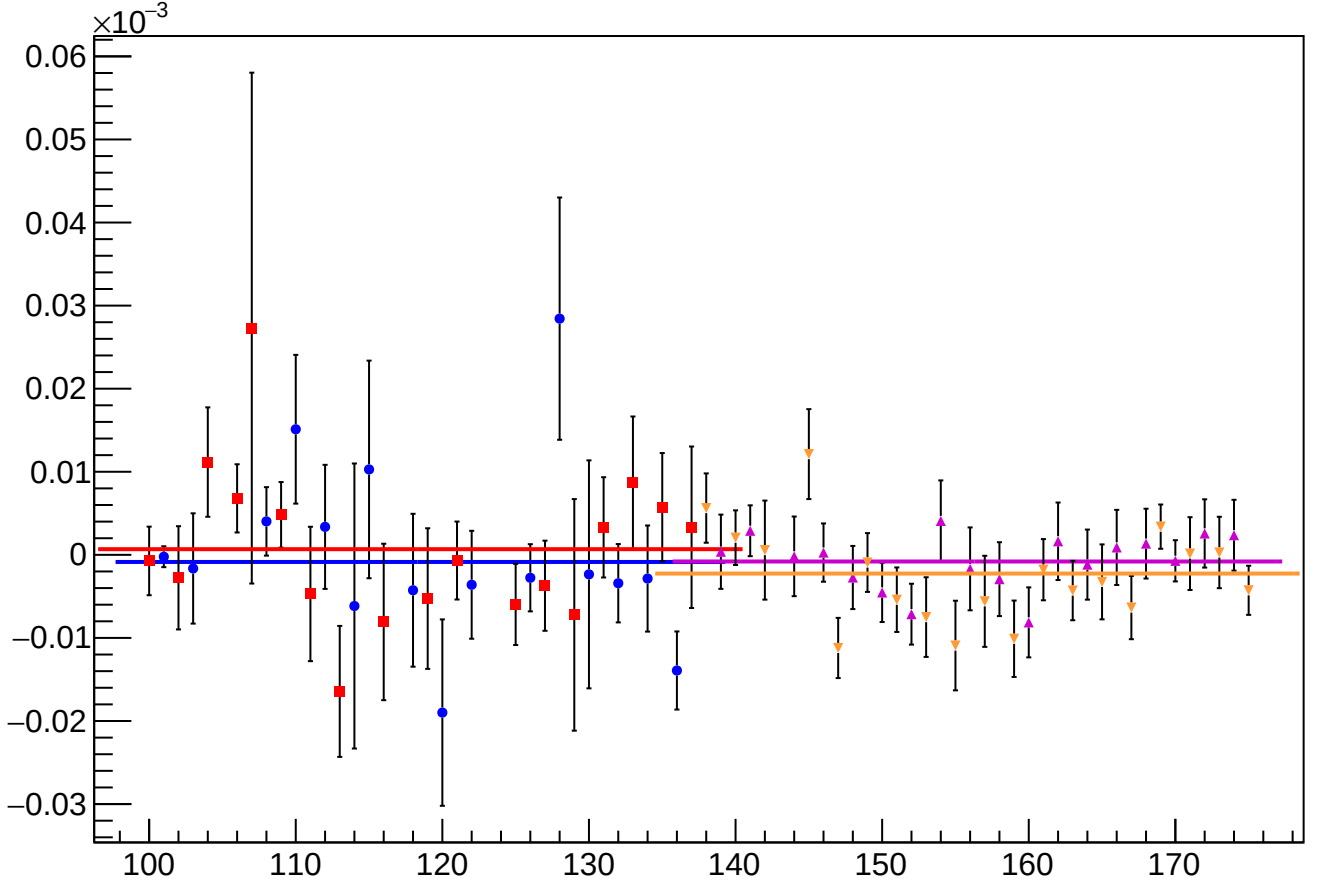
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

Left In: 82.420+/-0.015 χ^2/NDF:457033.3/17

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

All: 82.722+/-0.009 χ^2/NDF: 2316573.0/70

- sign 82.510+/-0.013 χ^2/NDF: 930205.5/35



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

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

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

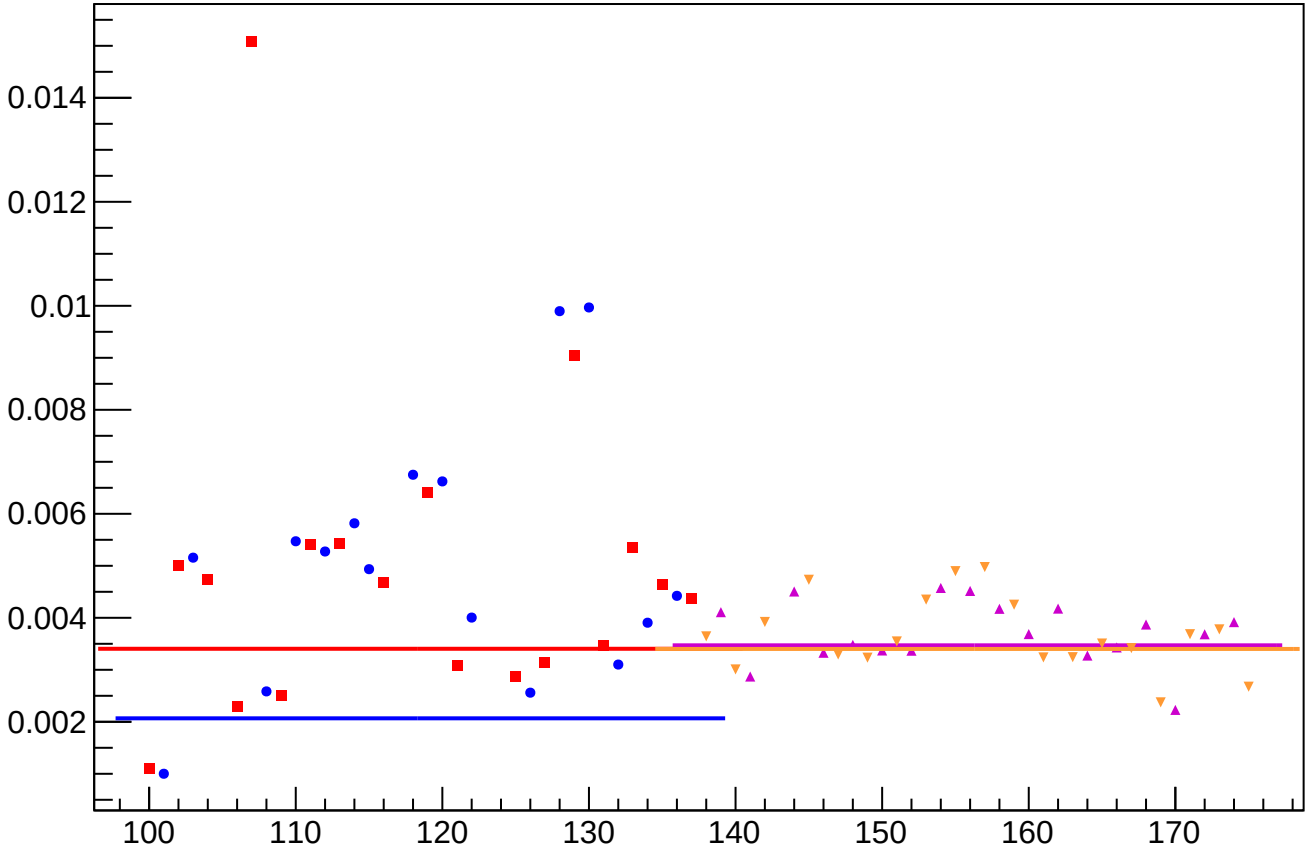
Left In: -0.000+/-0.000 χ^2/NDF:12.2/17

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

All: -0.000+/-0.000 χ^2/NDF: 88.9/70

- sign -0.000+/-0.000 χ^2/NDF: 31.3/35

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

Left Out: 0.003+/-0.000 χ^2/NDF:1096805.0/18

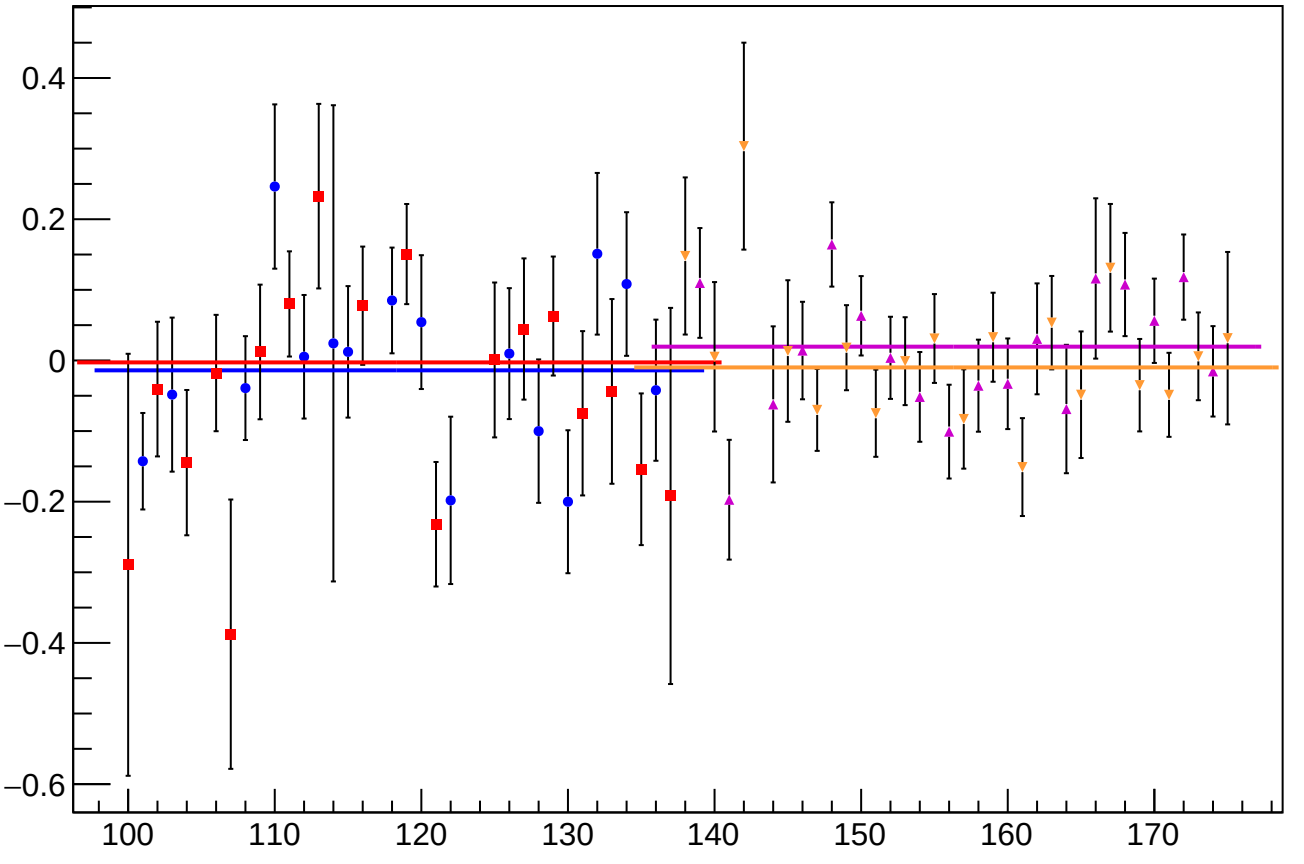
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

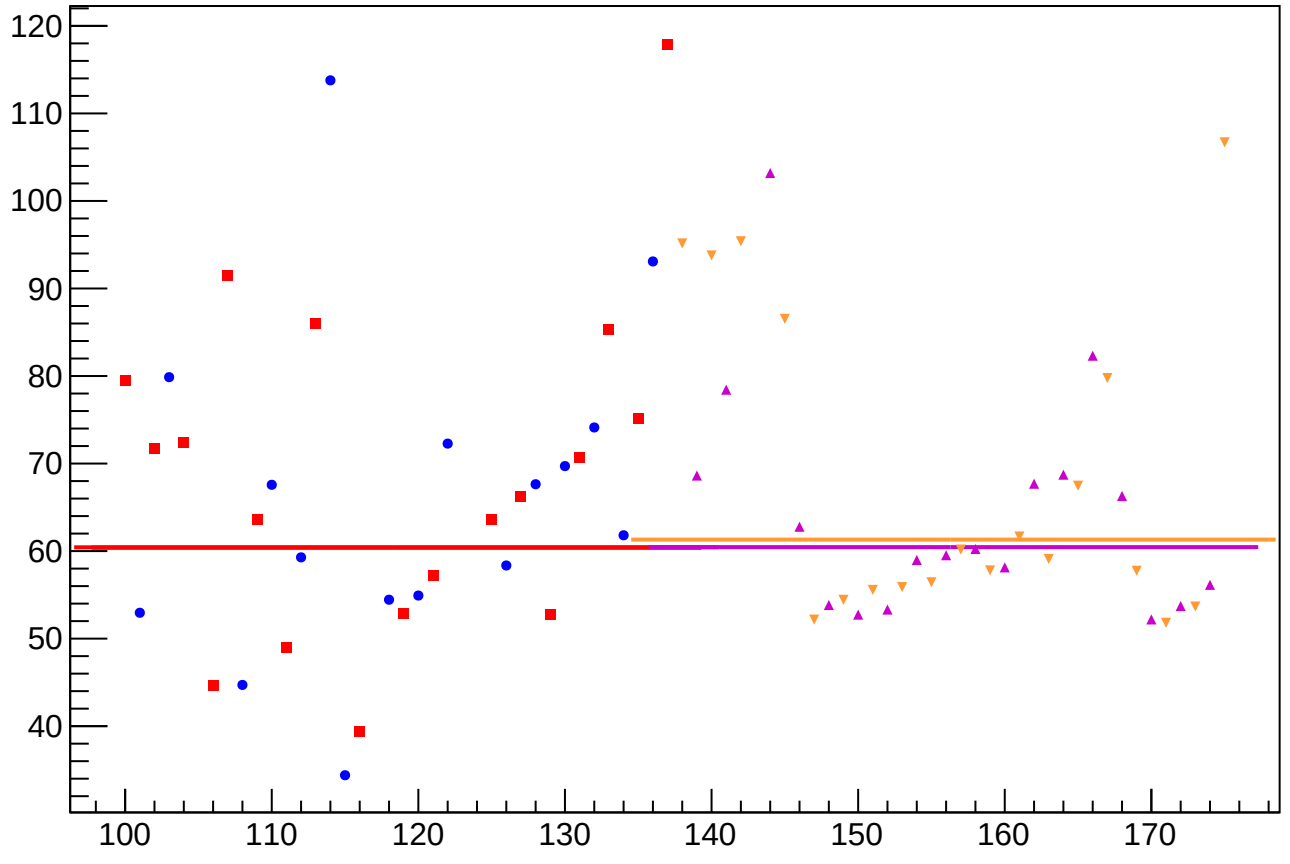
Left In: 0.003+/-0.000 χ^2/NDF:1059429.0/17

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

All: 0.003+/-0.000 χ^2/NDF: 13195706.6/70

- sign 0.003+/-0.000 χ^2/NDF: 3553794.9/35


asym_us_avg_eigen_dit_vs_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: -0.010+/-0.017 χ²/NDF:19.5/18
Right Out: -0.003+/-0.024 χ²/NDF: 27.8/17
Left In: 0.020+/-0.016 χ²/NDF:27.4/17
+ sign -0.011+/-0.014 χ²/NDF: 40.8/34
All: 0.001+/-0.010 χ²/NDF: 98.1/70
- sign 0.012+/-0.013 χ²/NDF: 55.7/35



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

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

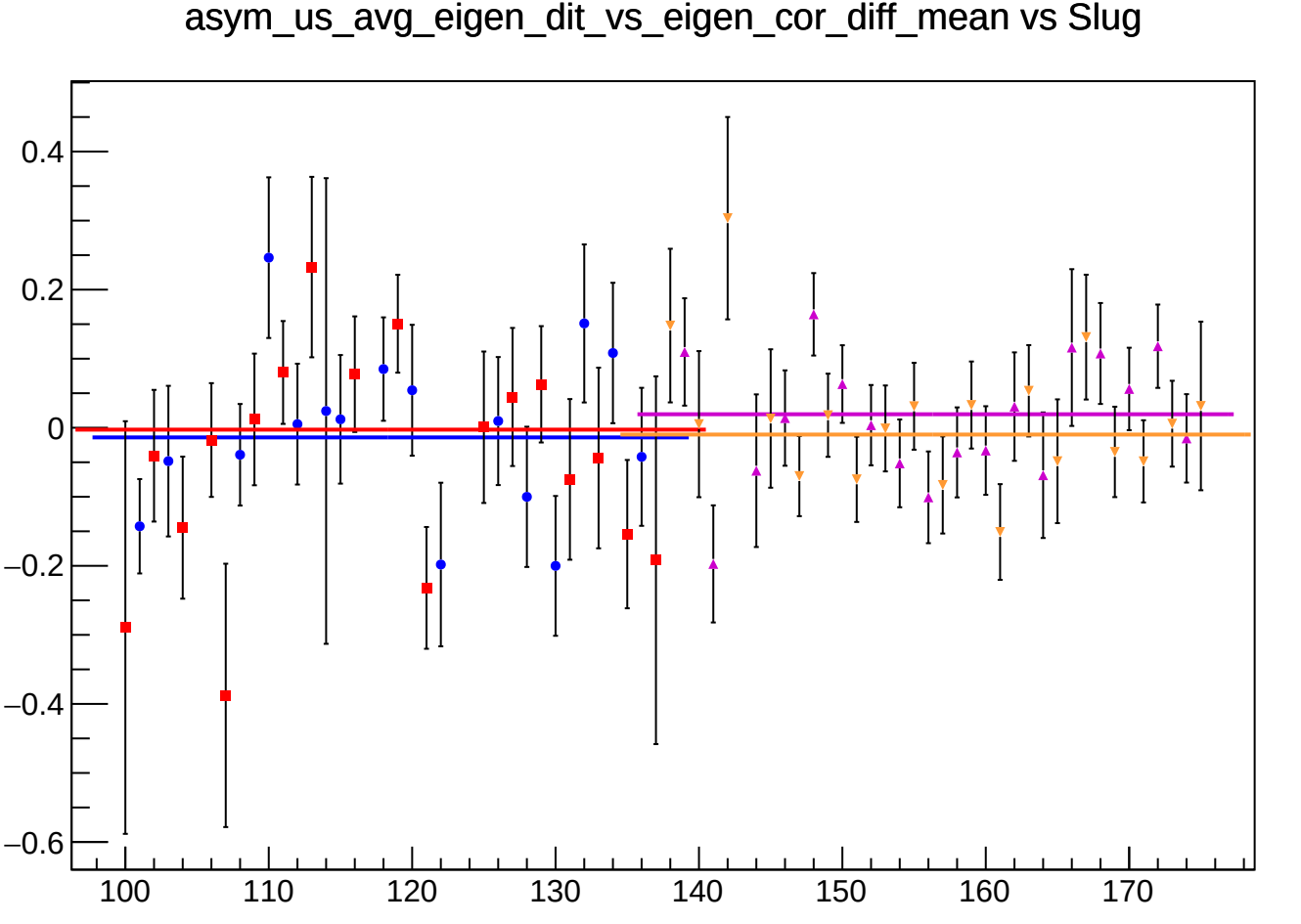
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

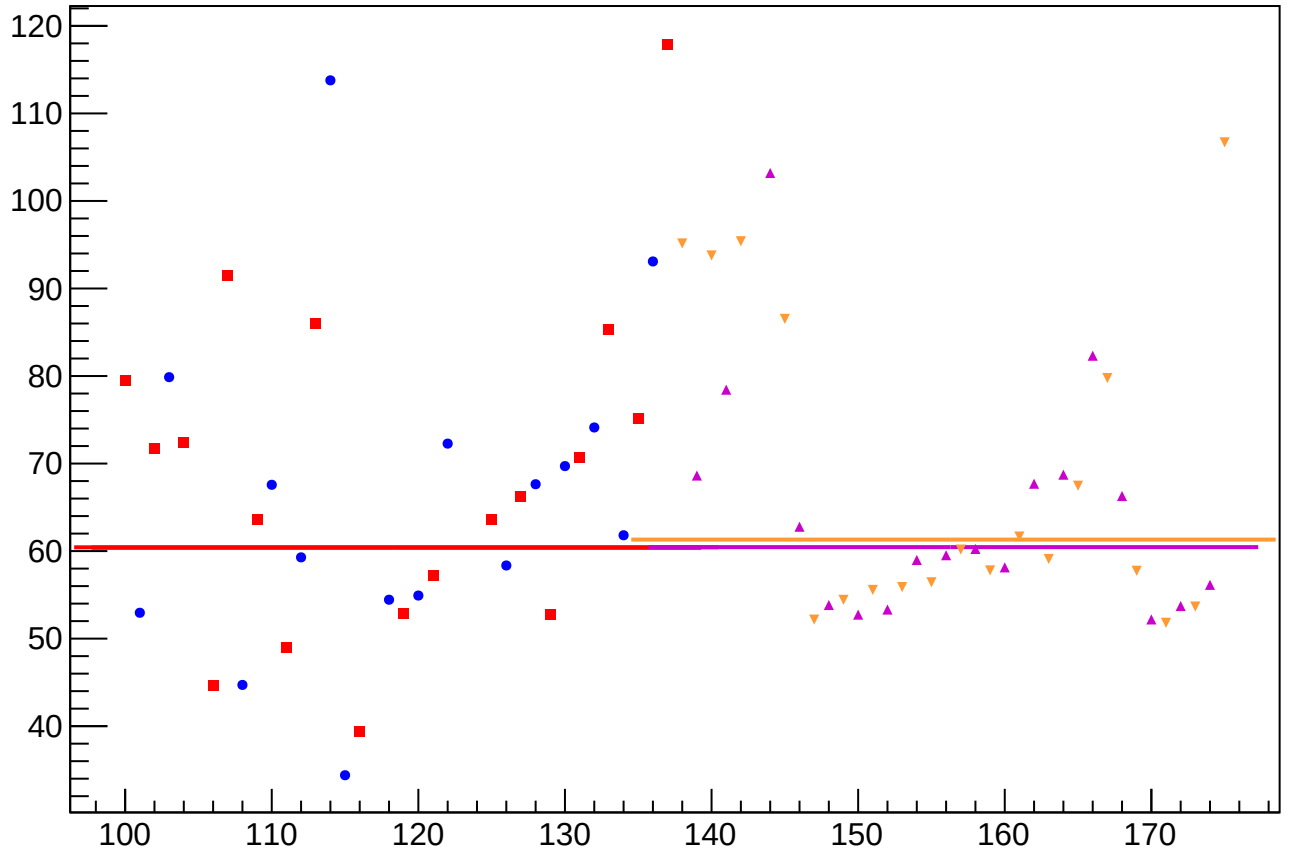
Left In: 60.454+/-0.011 χ^2/NDF:702528.3/17

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

All: 60.727+/-0.007 χ^2/NDF: 3314176.9/70

- sign 60.447+/-0.009 χ^2/NDF: 1413651.8/35


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: -0.010+/-0.017 χ²/NDF:19.5/18
Right Out: -0.003+/-0.024 χ²/NDF: 27.8/17
Left In: 0.020+/-0.016 χ²/NDF:27.4/17
+ sign -0.011+/-0.014 χ²/NDF: 40.8/34
All: 0.001+/-0.010 χ²/NDF: 98.1/70
- sign 0.012+/-0.013 χ²/NDF: 55.7/35



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

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

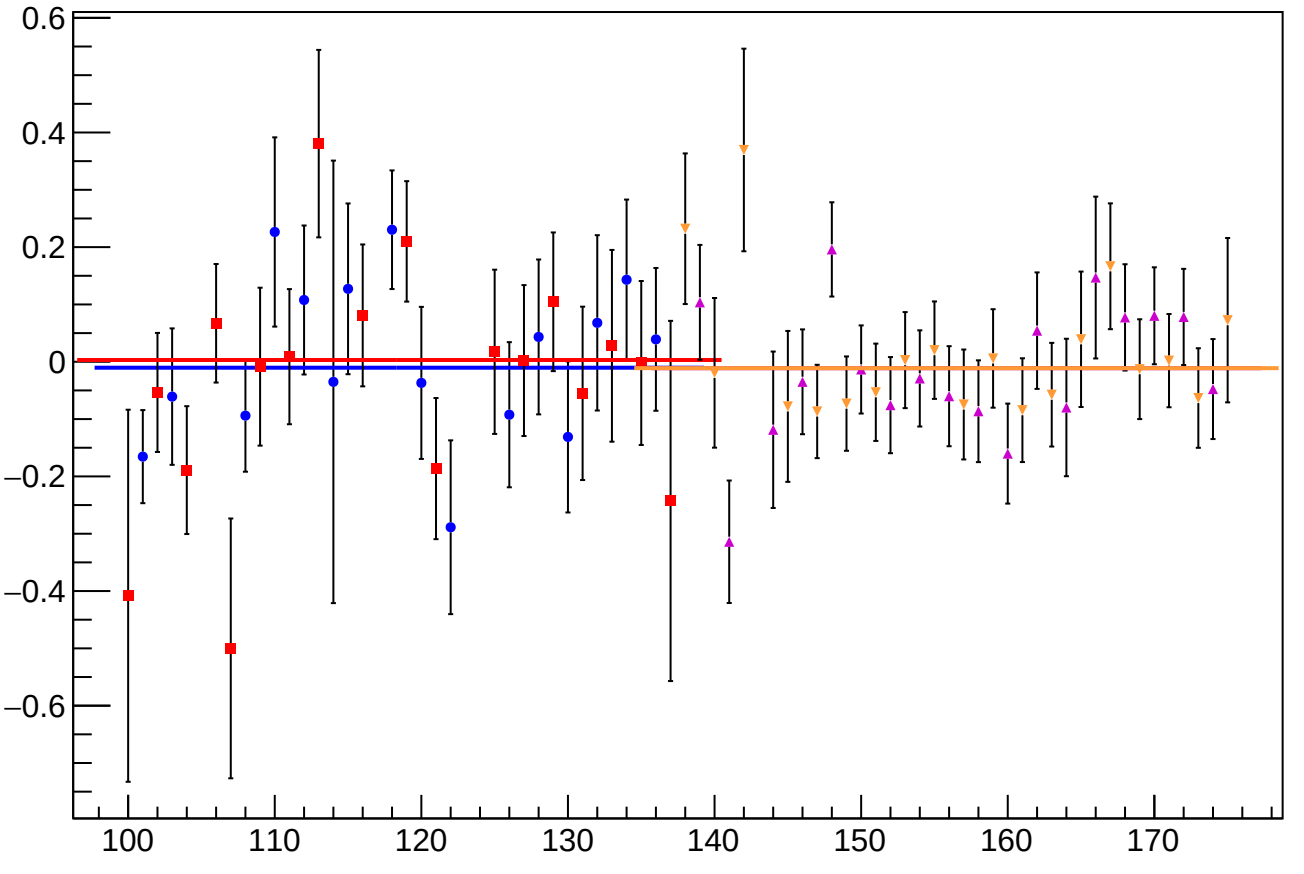
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 60.454+/-0.011 χ^2/NDF:702528.3/17

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

All: 60.727+/-0.007 χ^2/NDF: 3314176.9/70

- sign 60.447+/-0.009 χ^2/NDF: 1413651.8/35



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

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

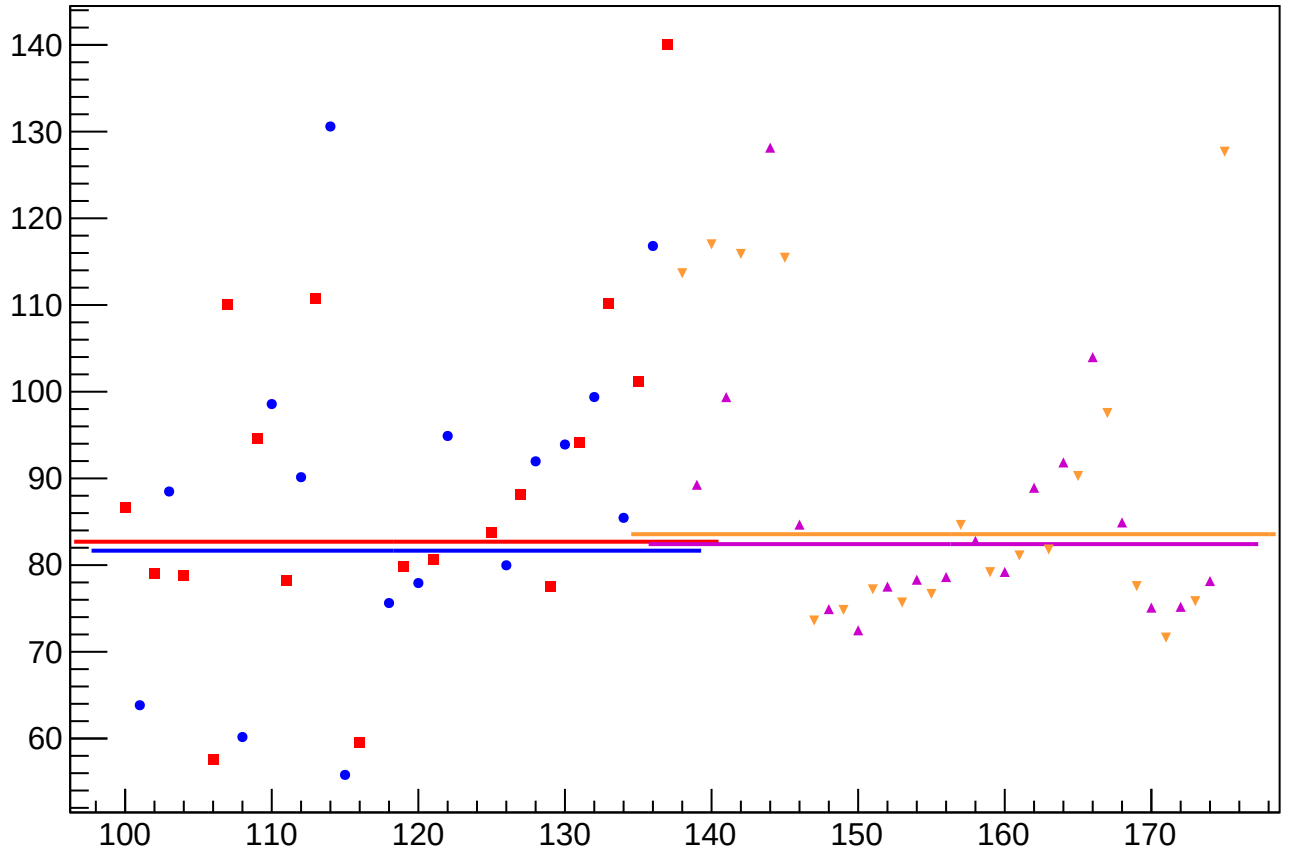
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.011+/-0.022 χ^2/NDF:26.4/17

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

All: -0.009+/-0.013 χ^2/NDF: 85.4/70

- sign -0.007+/-0.018 χ^2/NDF: 50.2/35



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

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

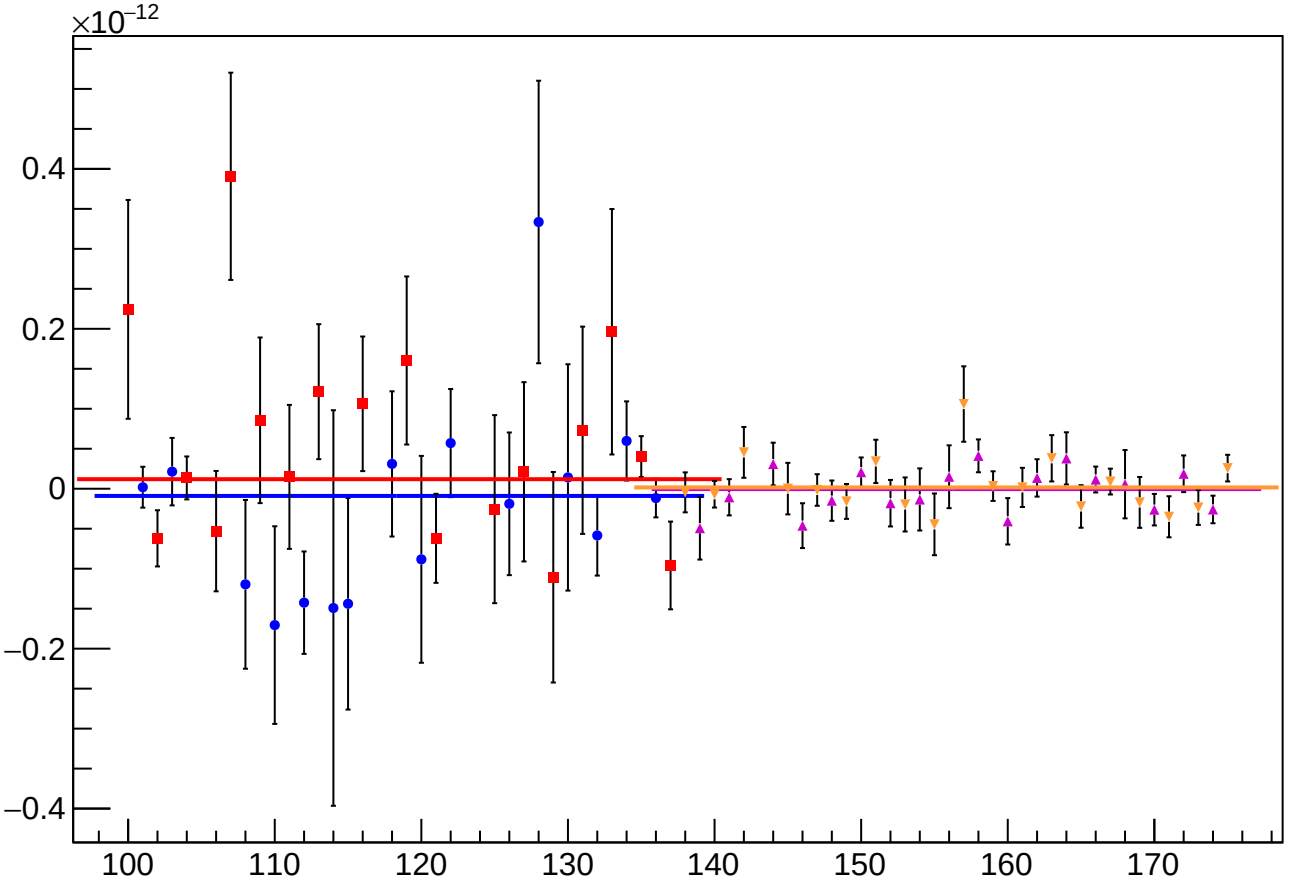
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 82.420+/-0.015 χ^2/NDF:457029.9/17

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

All: 82.722+/-0.009 χ^2/NDF: 2316553.2/70

- sign 82.510+/-0.013 χ^2/NDF: 930197.8/35



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

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

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

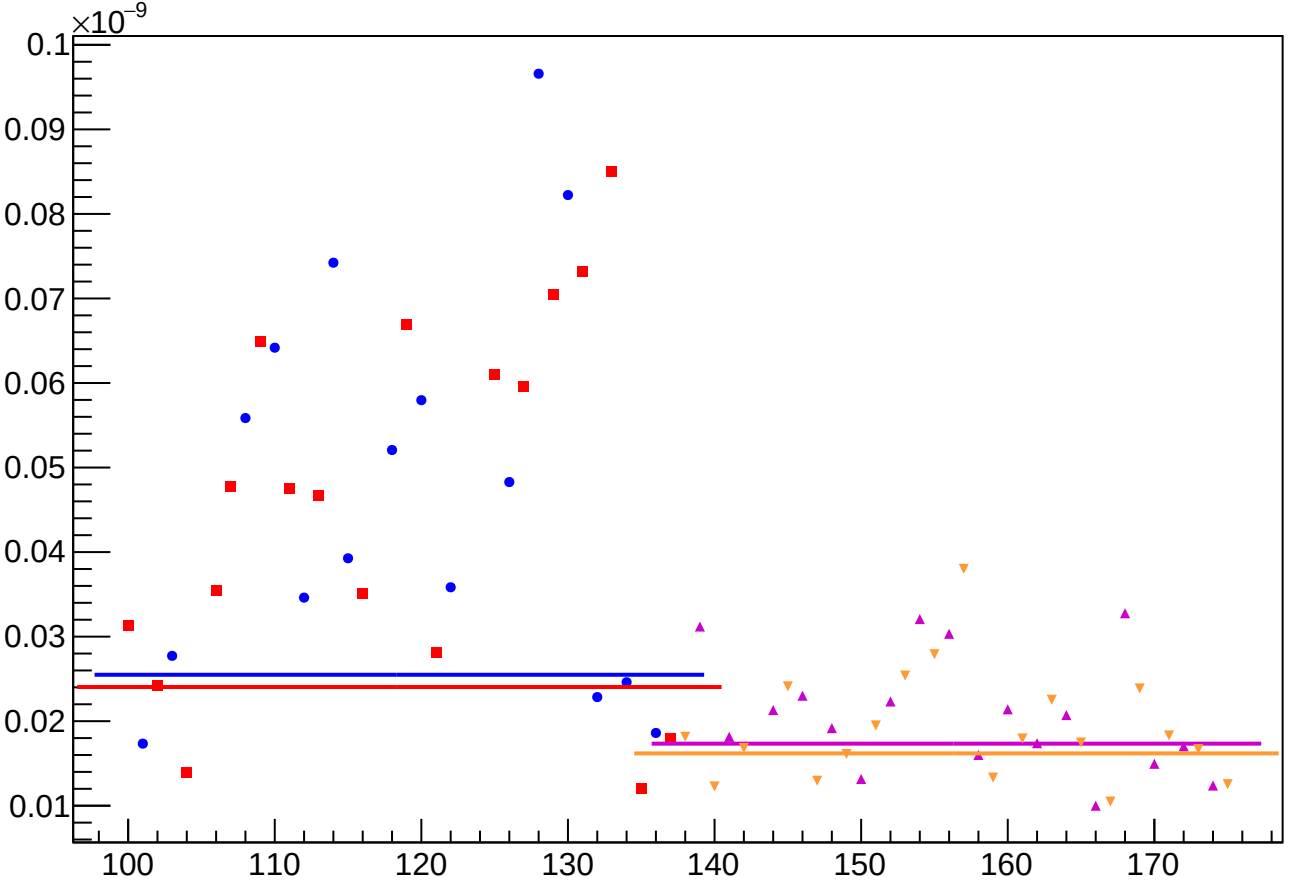
Left In: -0.000+/-0.000 χ^2/NDF:21.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 37.5/34

All: 0.000+/-0.000 χ^2/NDF: 90.3/70

- sign 0.000+/-0.000 χ^2/NDF: 52.8/35

asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1999848.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1723919.9/18

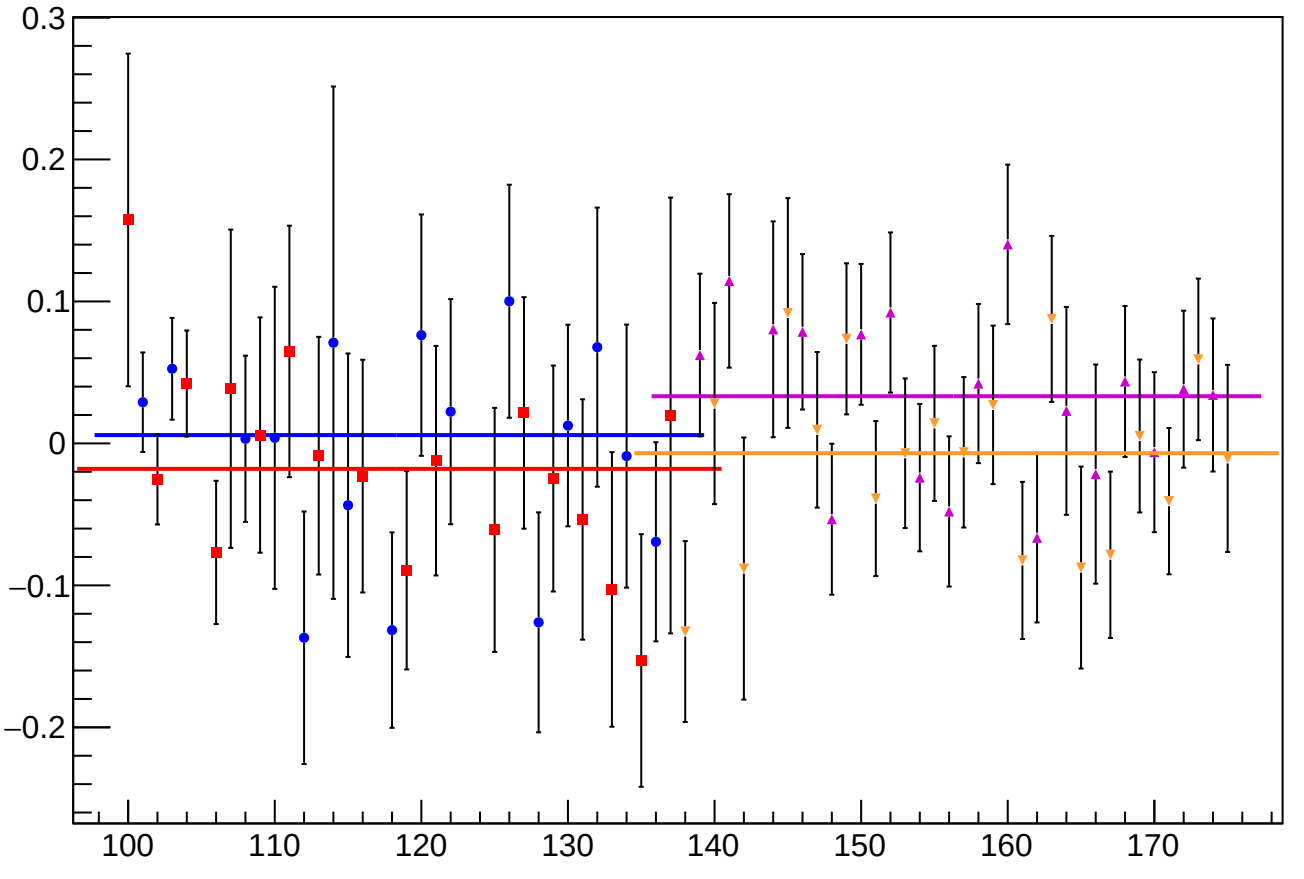
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1992202.3/17

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

All: 0.000+/-0.000 χ^2/NDF: 10098359.7/70

- sign 0.000+/-0.000 χ^2/NDF: 5500098.6/35



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

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

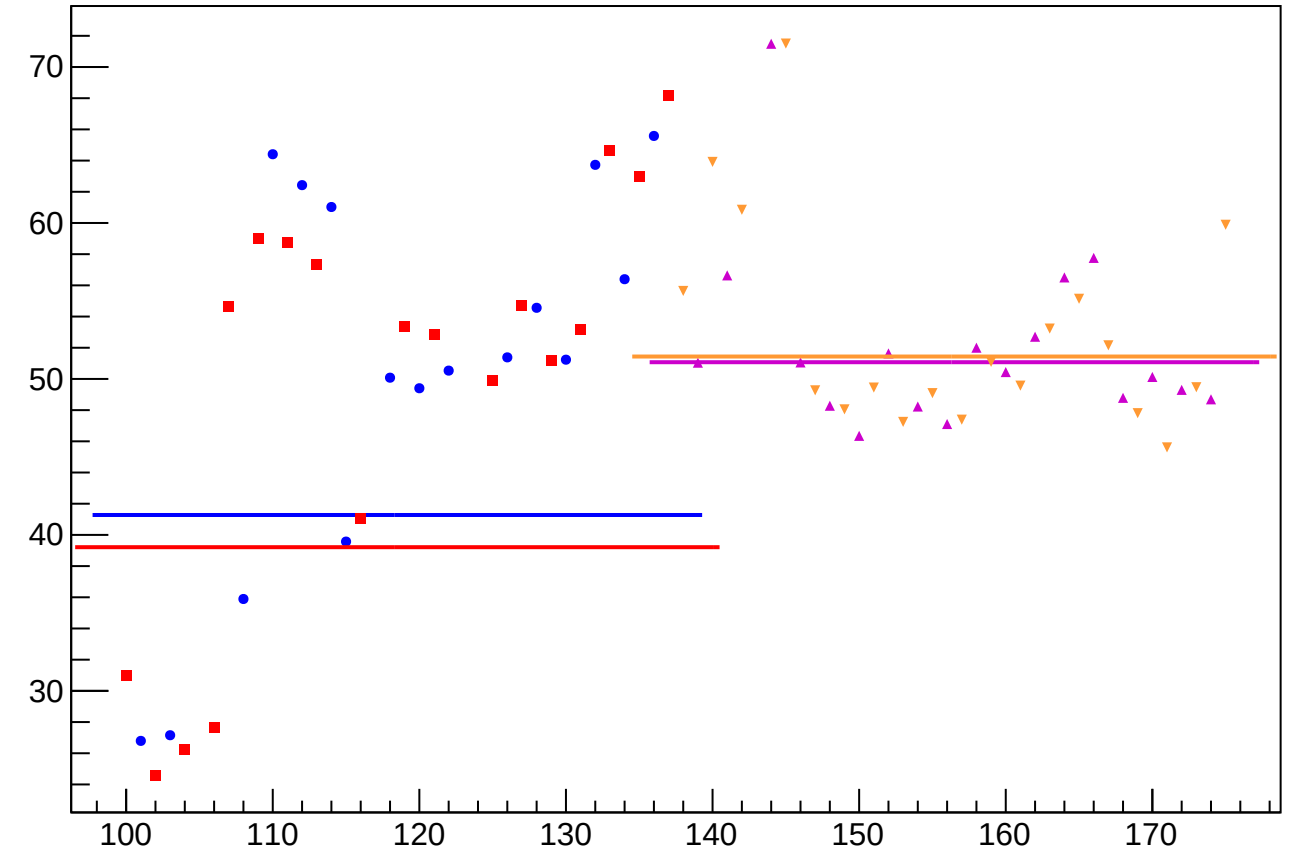
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.033+/-0.013 χ^2/NDF:18.7/17

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

All: 0.005+/-0.007 χ^2/NDF: 72.6/70

\- sign 0.012+/-0.010 χ^2/NDF: 37.1/35



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

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

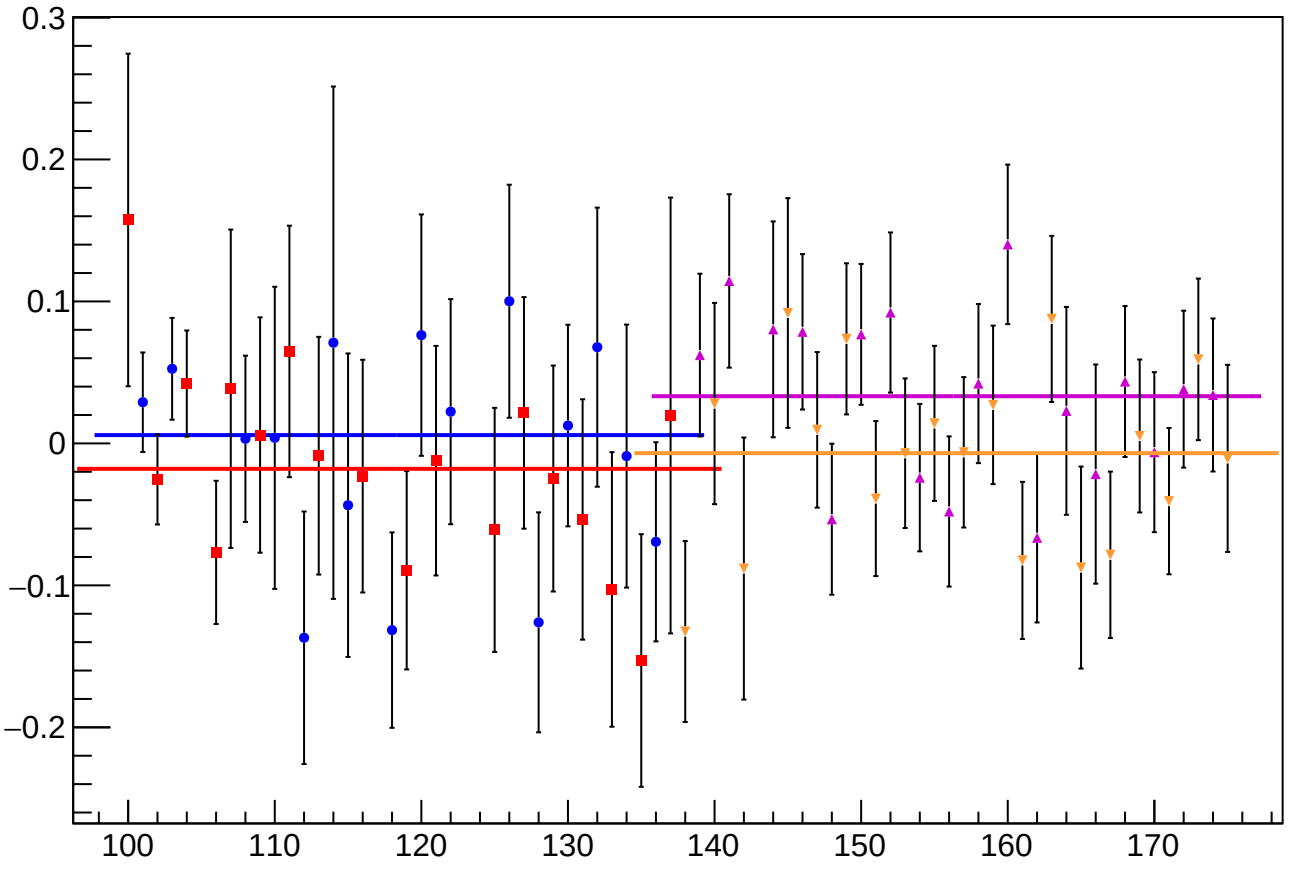
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 51.073+/-0.010 χ^2/NDF:240448.7/17

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

All: 46.692+/-0.005 χ^2/NDF: 5026232.8/70

- sign 46.047+/-0.007 χ^2/NDF: 2715280.4/35



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

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

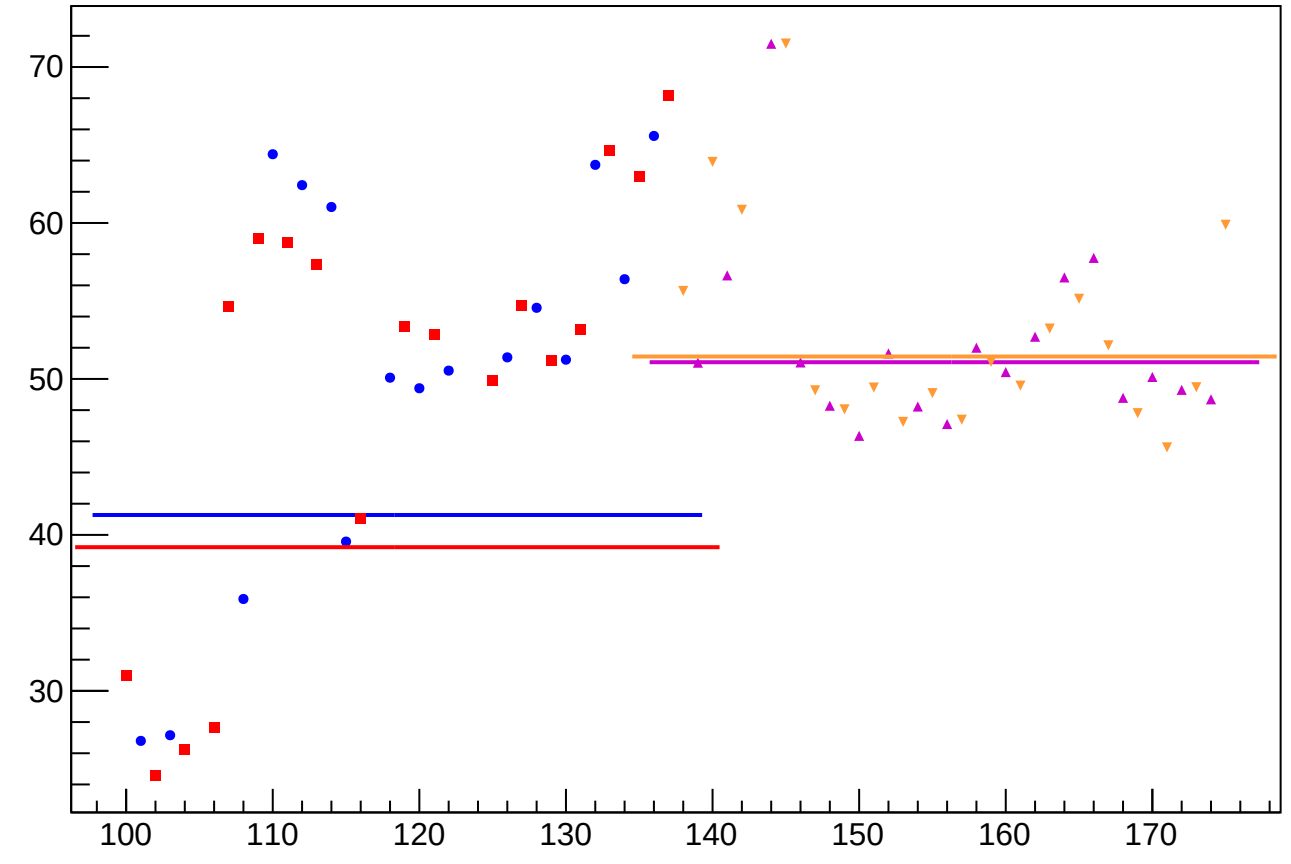
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.033+/-0.013 χ^2/NDF:18.7/17

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

All: 0.005+/-0.007 χ^2/NDF: 72.6/70

- sign 0.012+/-0.010 χ^2/NDF: 37.1/35



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

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

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

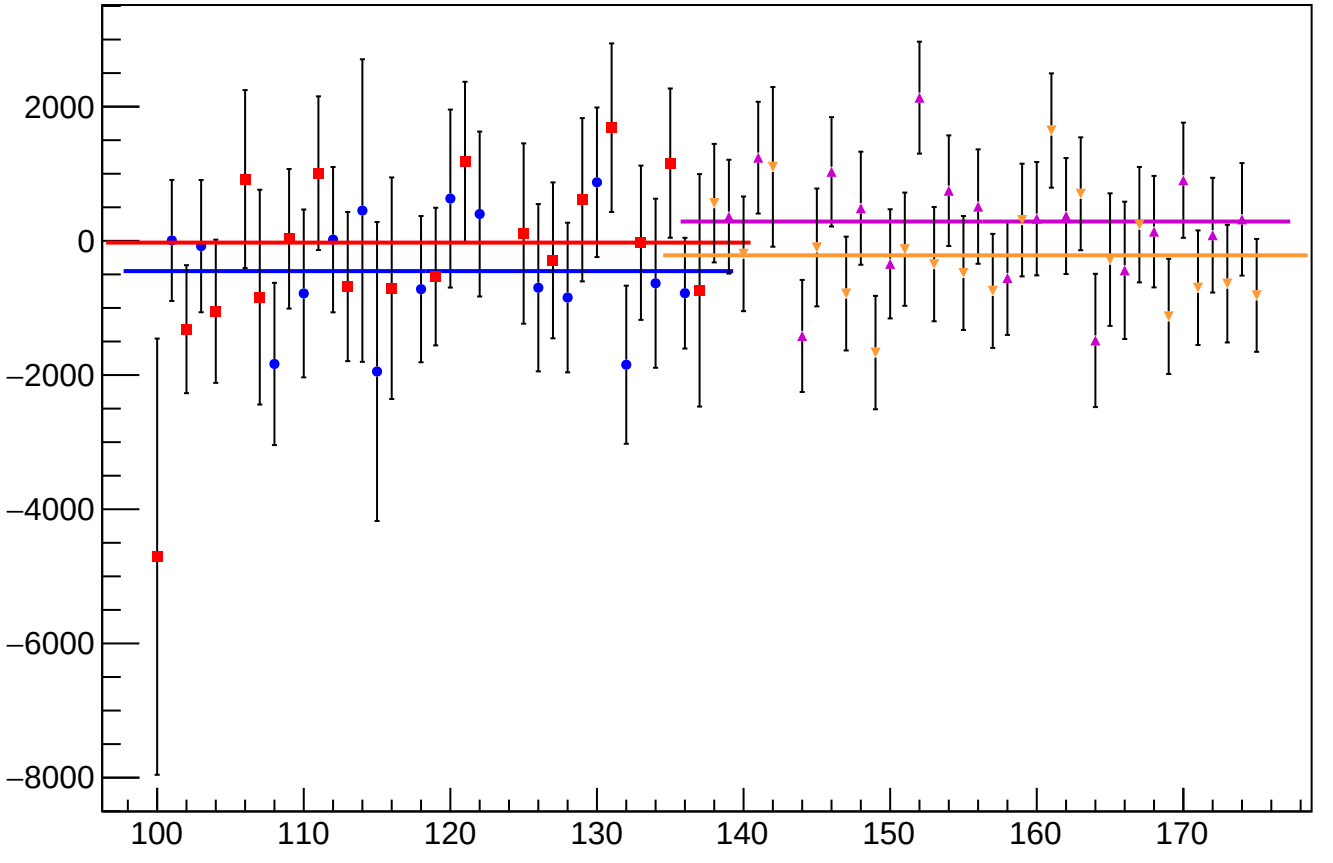
Left In: 51.073+/-0.010 χ^2/NDF:240448.7/17

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

All: 46.692+/-0.005 χ^2/NDF: 5026232.8/70

- sign 46.047+/-0.007 χ^2/NDF: 2715280.4/35

reg_asym_us_dd_mean vs Slug



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

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

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

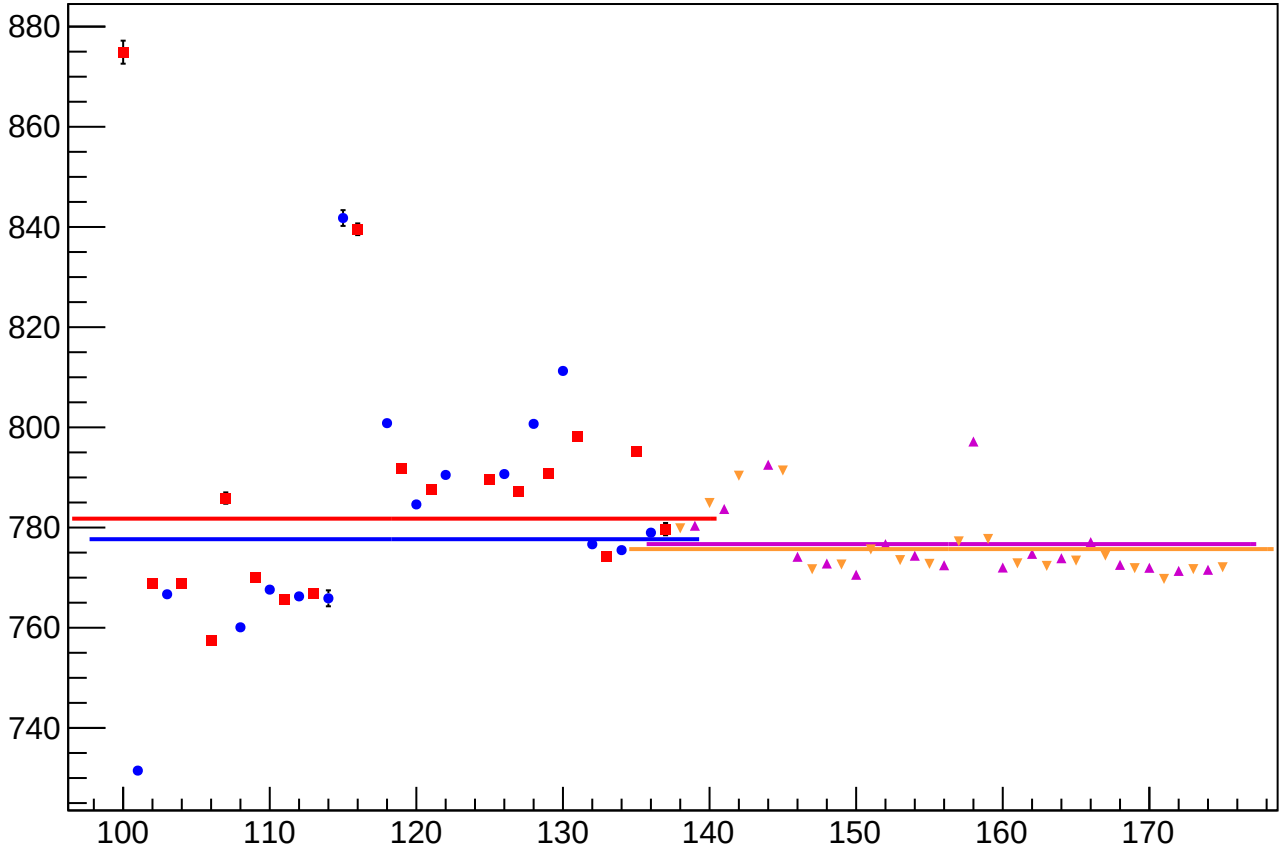
Left In: 287.788+/-201.338 χ^2/NDF:17.5/17

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

All: -54.380+/-116.464 χ^2/NDF: 56.3/70

- sign 184.781+/-165.028 χ^2/NDF: 30.0/35

reg_asym_us_dd_rms vs Slug



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

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

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

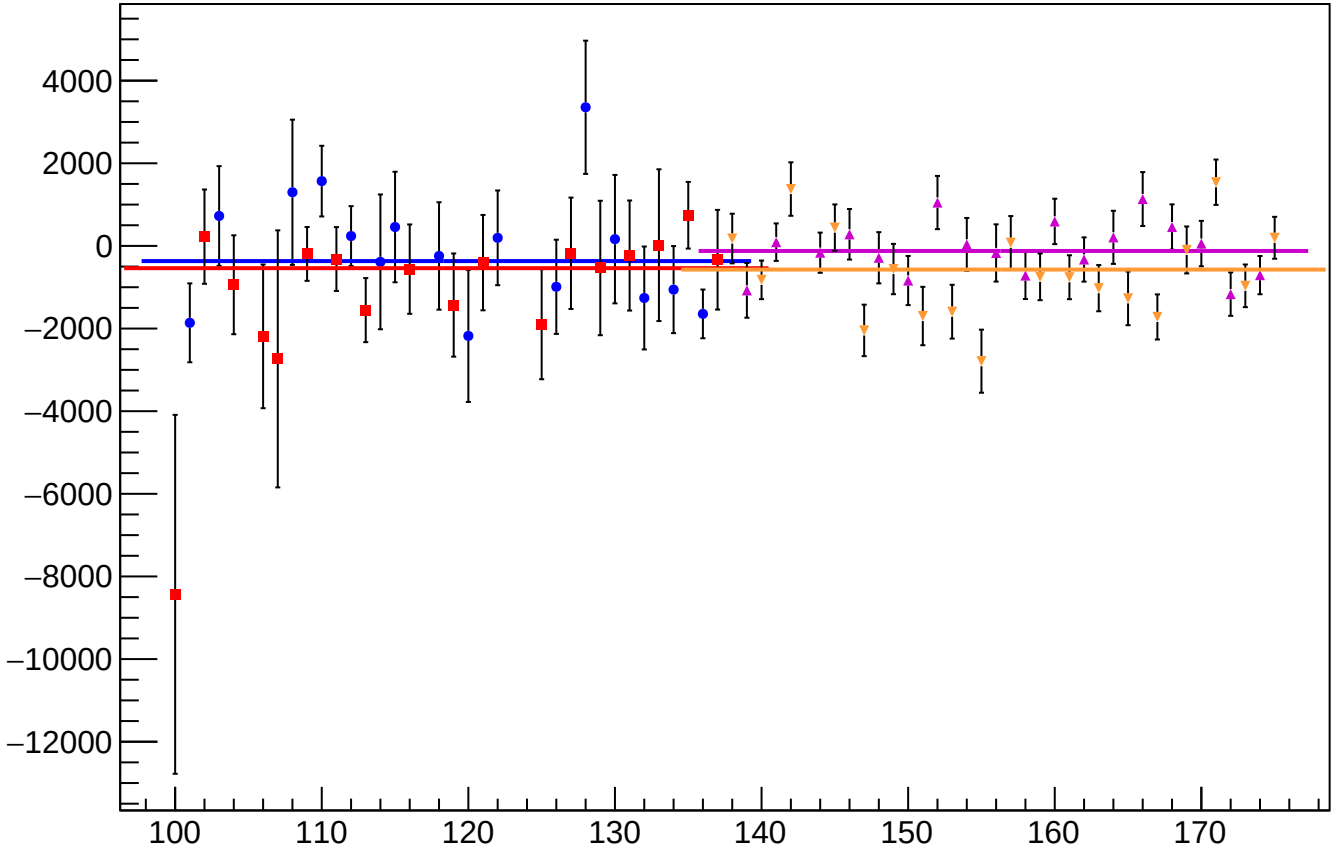
Left In: 776.697+/-0.142 χ^2/NDF:2653.8/17

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

All: 777.348+/-0.082 χ^2/NDF: 24597.5/70

- sign 778.364+/-0.117 χ^2/NDF: 10697.9/35

asym_us_dd_reg_correction_mean vs Slug



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

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

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

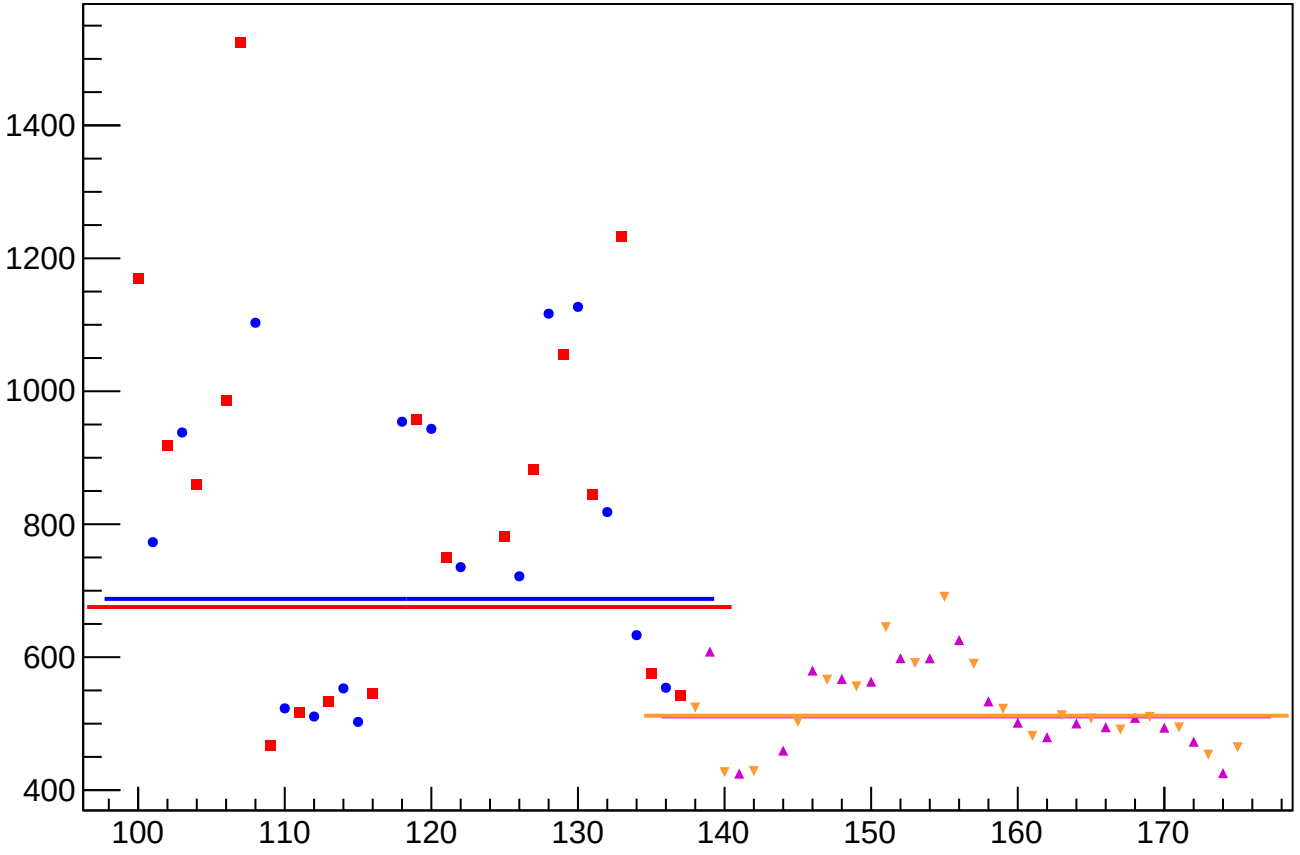
Left In: -122.207+/-133.644 χ^2/NDF:21.3/17

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

All: -369.571+/-84.265 χ^2/NDF: 121.5/70

- sign -207.768+/-119.135 χ^2/NDF: 35.0/35

asym_us_dd_reg_correction_rms vs Slug



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

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

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

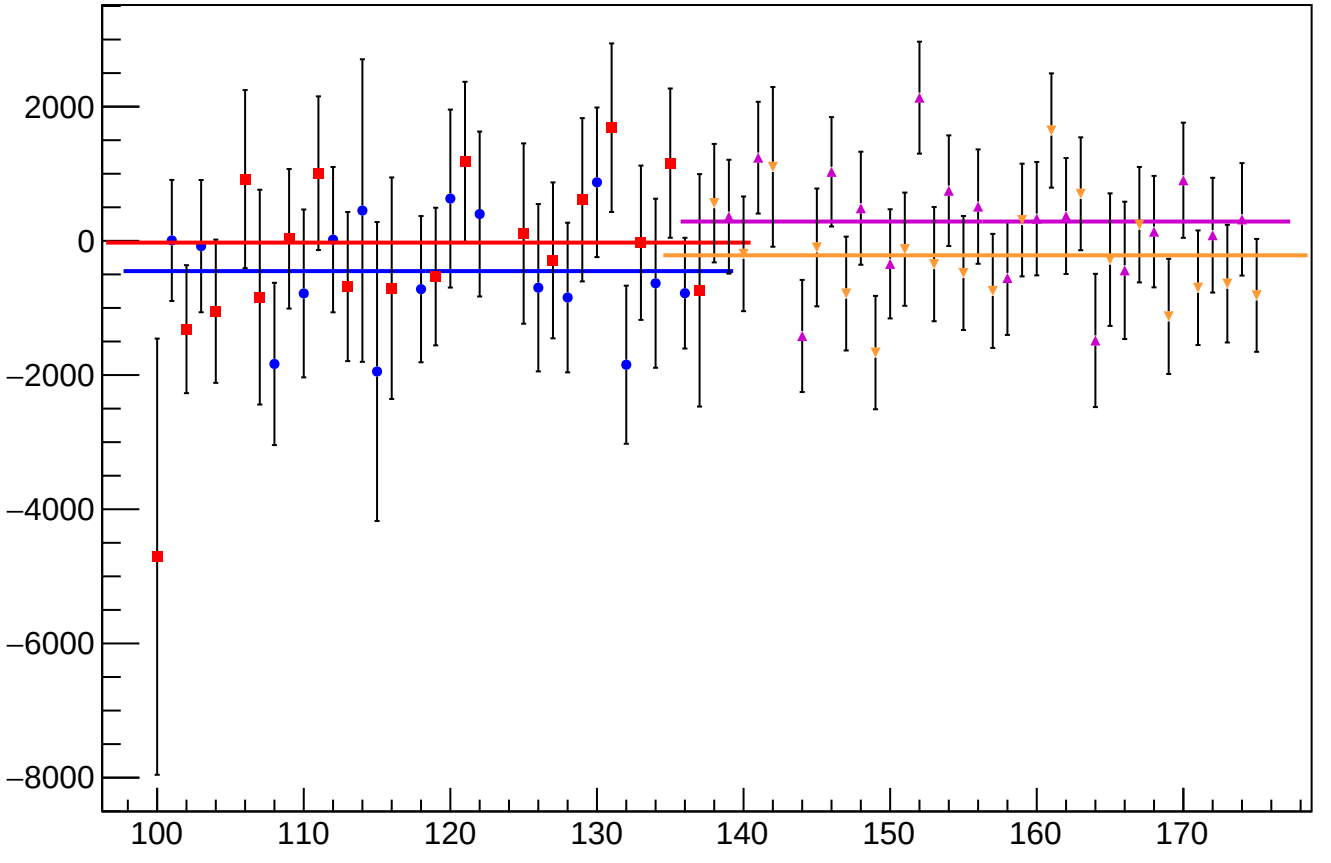
Left In: 510.891+/-0.095 χ^2/NDF:417200.7/17

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

All: 545.868+/-0.060 χ^2/NDF: 4501631.4/70

- sign 544.674+/-0.084 χ^2/NDF: 2352557.2/35

cor_asym_us_dd_mean vs Slug



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

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

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

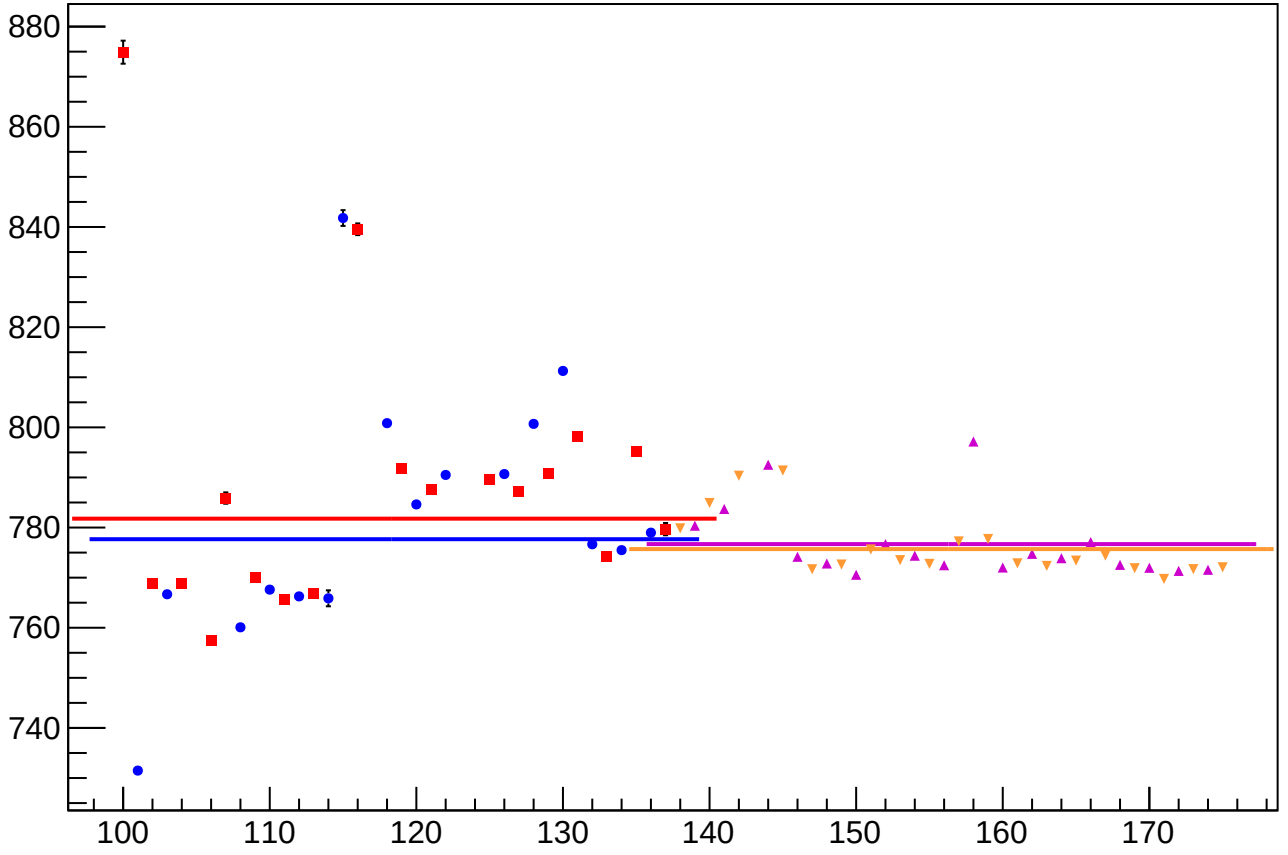
Left In: 287.788+/-201.338 χ^2/NDF:17.5/17

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

All: -54.380+/-116.464 χ^2/NDF: 56.3/70

- sign 184.781+/-165.028 χ^2/NDF: 30.0/35

cor_asym_us_dd_rms vs Slug



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

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

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

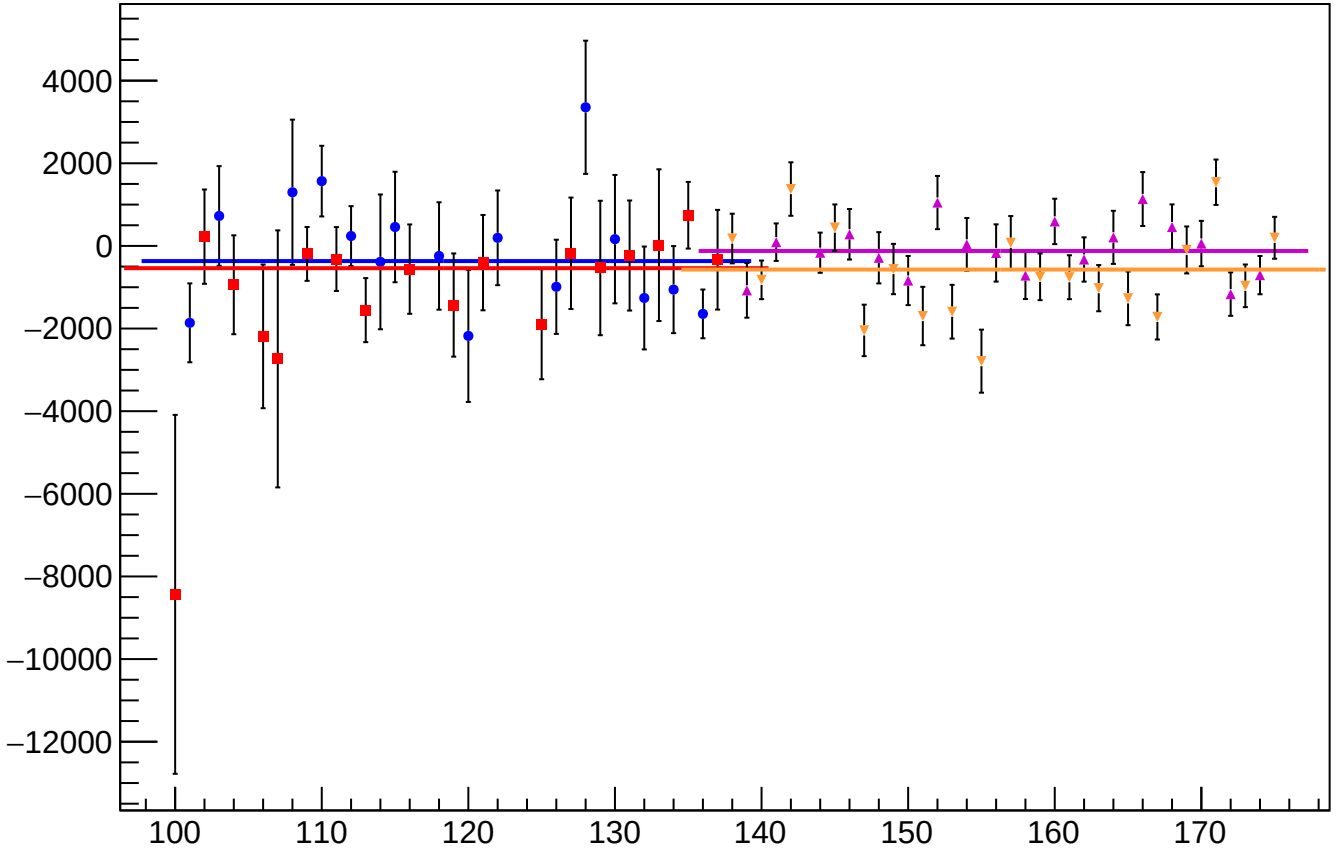
Left In: 776.697+/-0.142 χ^2/NDF:2653.8/17

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

All: 777.348+/-0.082 χ^2/NDF: 24597.5/70

- sign 778.364+/-0.117 χ^2/NDF: 10697.9/35

asym_us_dd_cor_correction_mean vs Slug



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

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

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

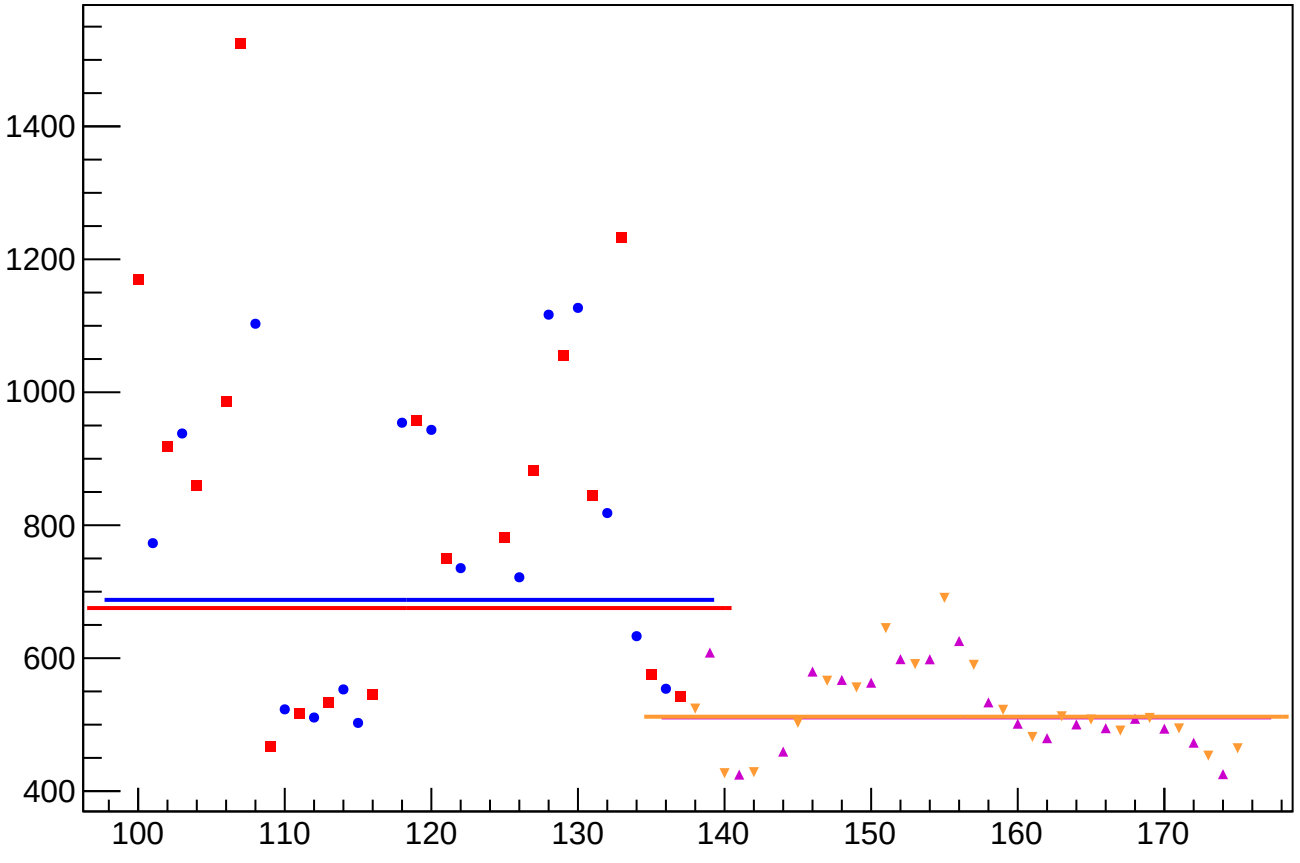
Left In: -122.207+/-133.644 χ^2/NDF:21.3/17

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

All: -369.571+/-84.265 χ^2/NDF: 121.5/70

- sign -207.768+/-119.135 χ^2/NDF: 35.0/35

asym_us_dd_cor_correction_rms vs Slug



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

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

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

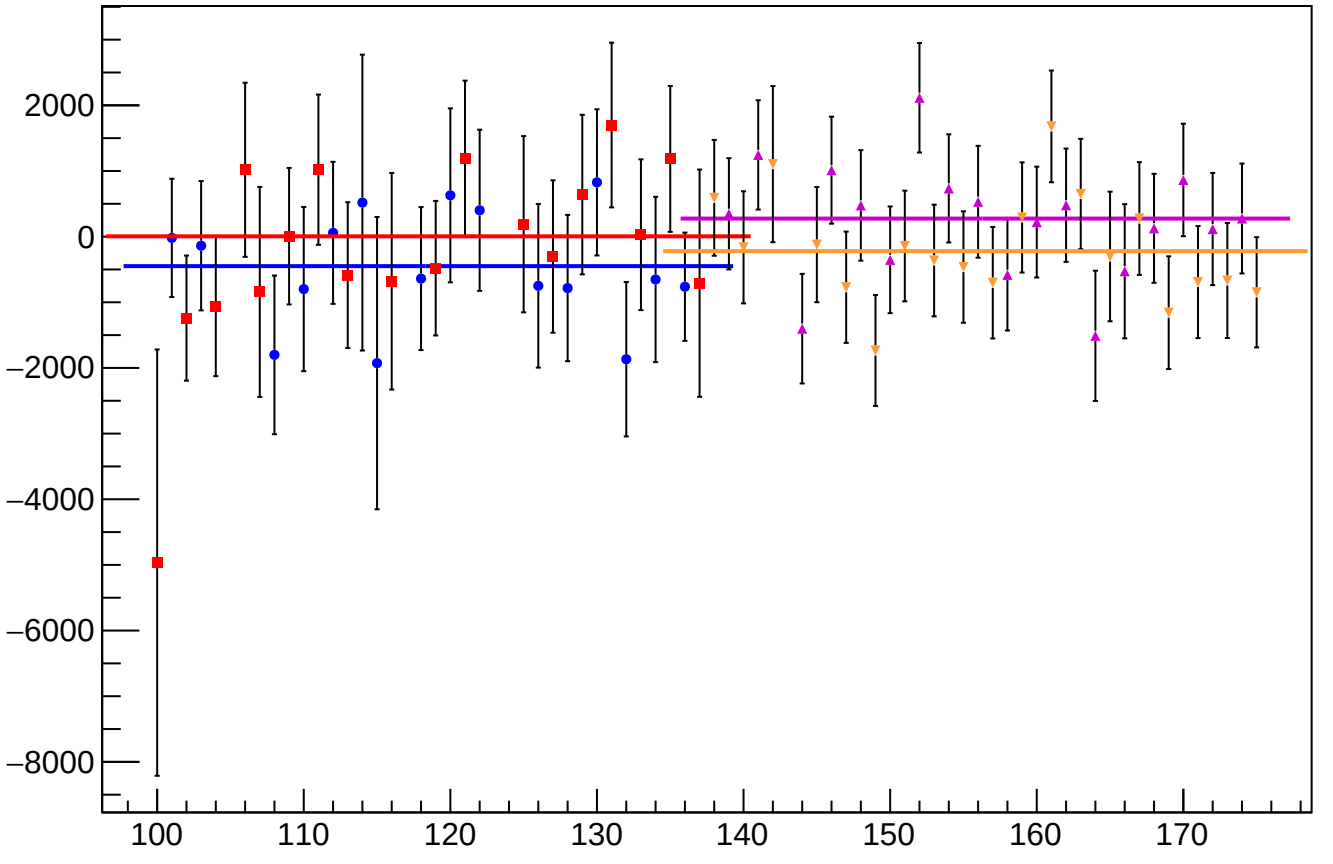
Left In: 510.891+/-0.095 χ^2/NDF:417200.7/17

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

All: 545.868+/-0.060 χ^2/NDF: 4501631.4/70

- sign 544.674+/-0.084 χ^2/NDF: 2352557.2/35

overload_cor_asym_us_dd_mean vs Slug



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

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

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

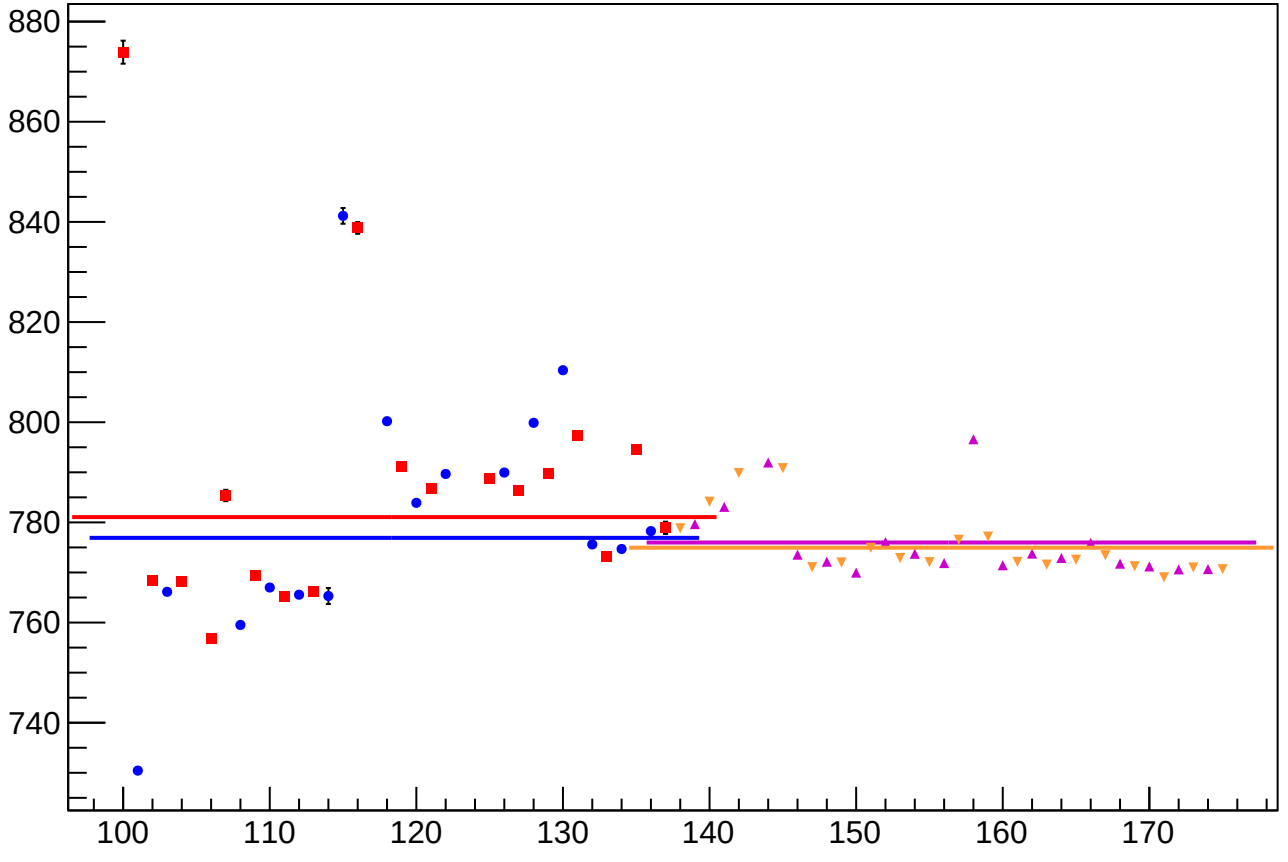
Left In: 275.170+/-201.153 χ^2/NDF:17.6/17

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

All: -55.248+/-116.354 χ^2/NDF: 56.8/70

- sign 186.394+/-164.877 χ^2/NDF: 30.1/35

overload_cor_asym_us_dd_rms vs Slug



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

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

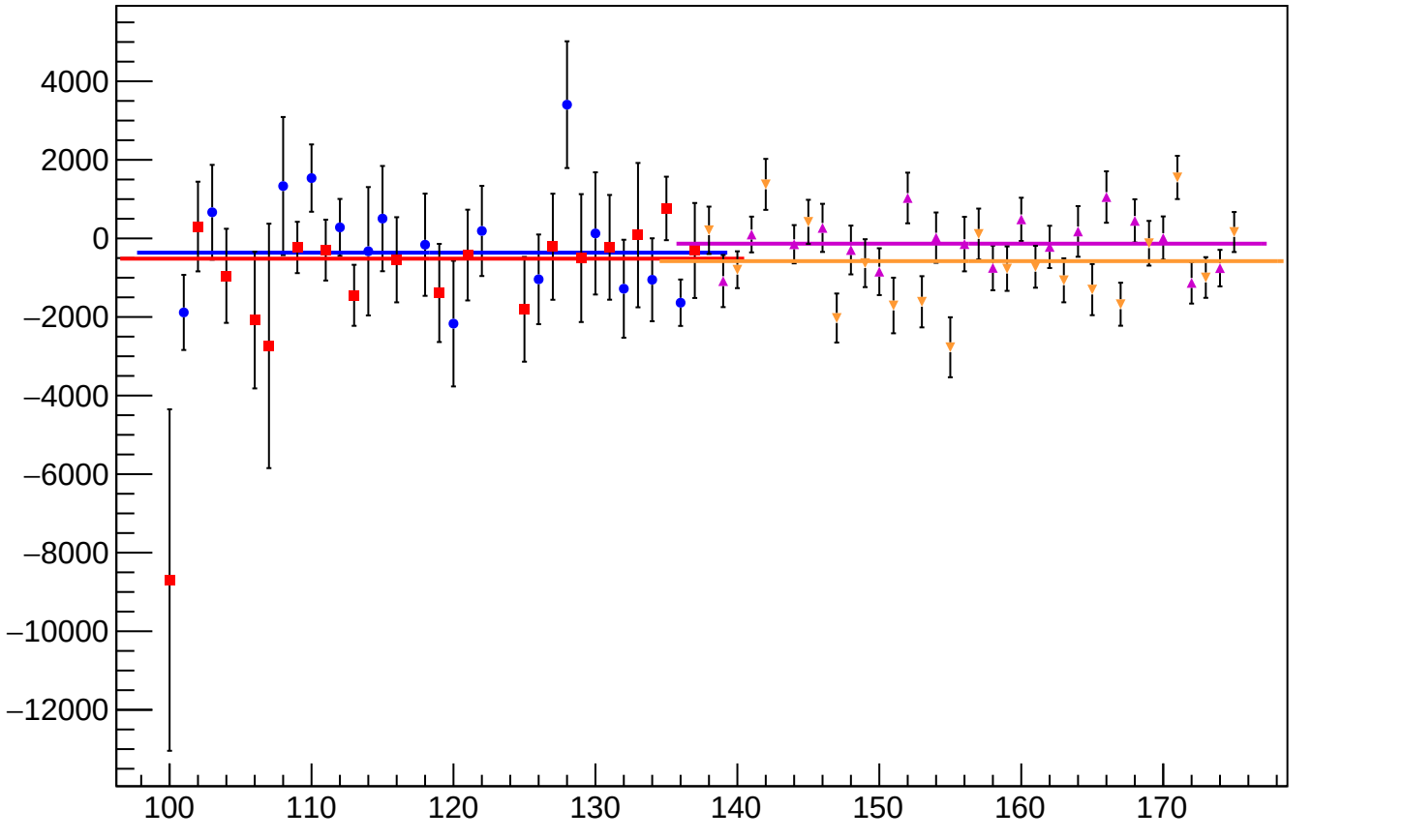
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 775.982+/-0.142 χ^2/NDF:2693.3/17

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

All: 776.613+/-0.082 χ^2/NDF: 24701.7/70

- sign 777.649+/-0.117 χ^2/NDF: 10697.5/35



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

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

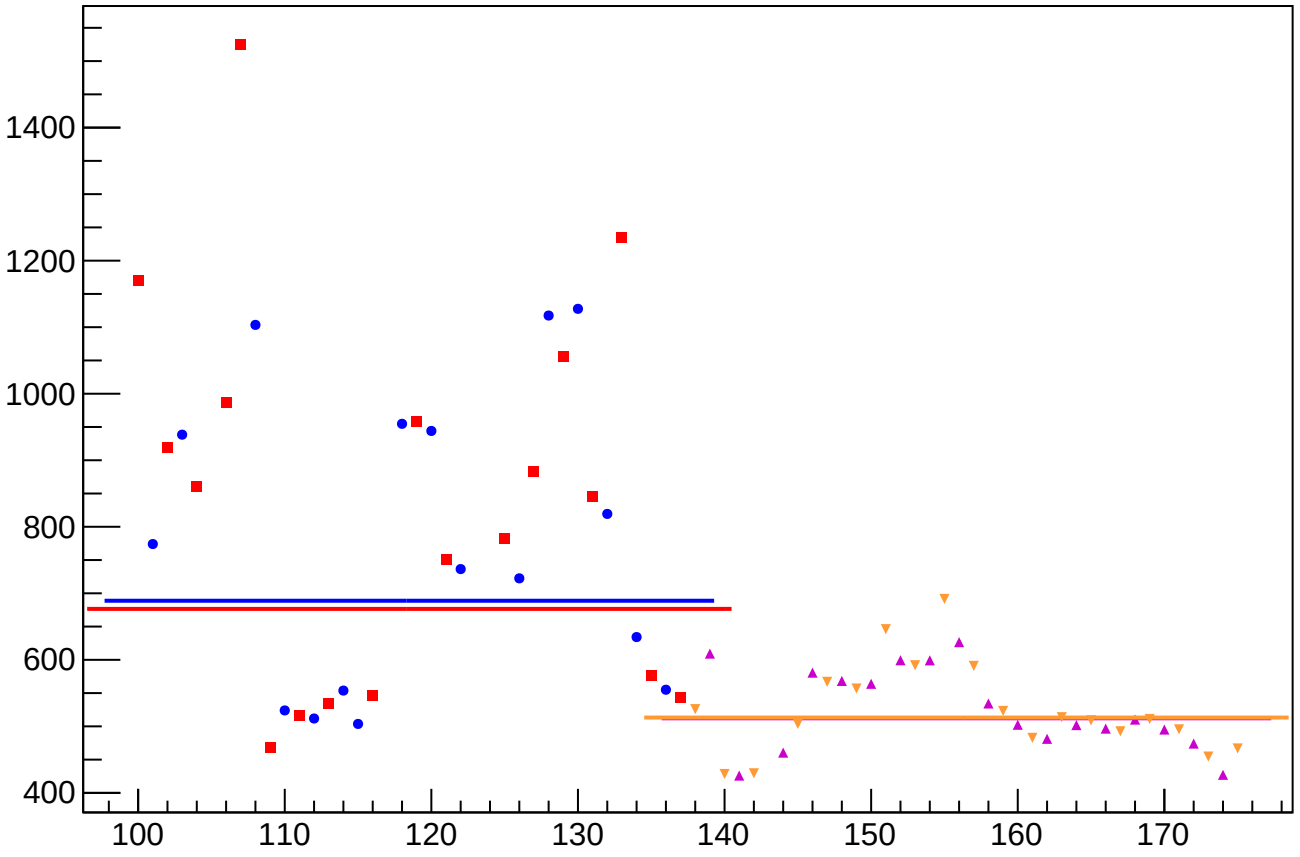
Right Out: -515.295+/-263.302 χ^2/NDF: 11.4/17

Left In: -133.895+/-133.951 χ^2/NDF:20.1/17

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

All: -373.477+/-84.448 χ^2/NDF: 119.3/70

\- sign -212.311+/-119.390 χ^2/NDF: 33.2/35



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

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

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

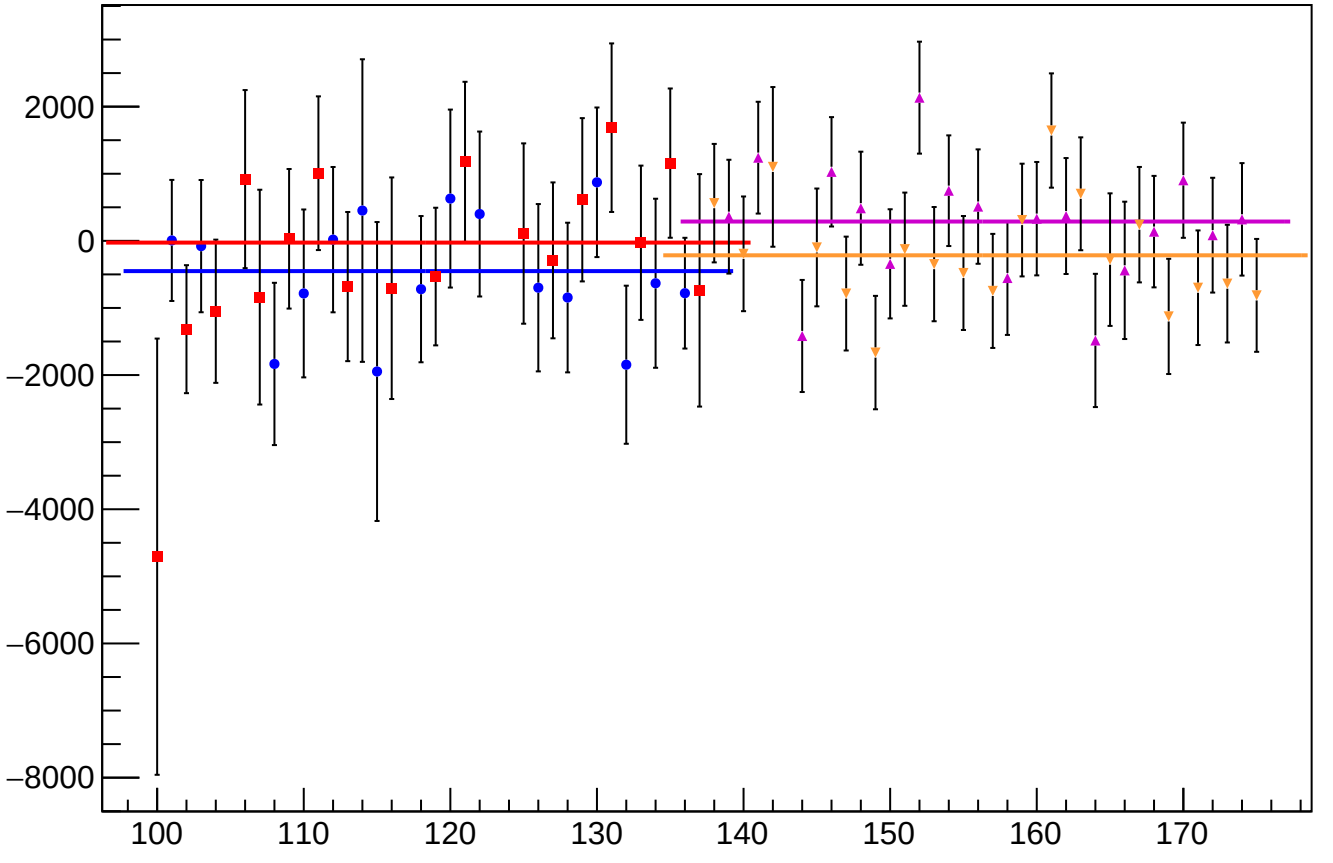
Left In: 512.111+/-0.095 χ^2/NDF:412814.4/17

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

All: 547.141+/-0.060 χ^2/NDF: 4477988.4/70

- sign 545.924+/-0.084 χ^2/NDF: 2340704.7/35

eigen_cor_asym_us_dd_mean vs Slug



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

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

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

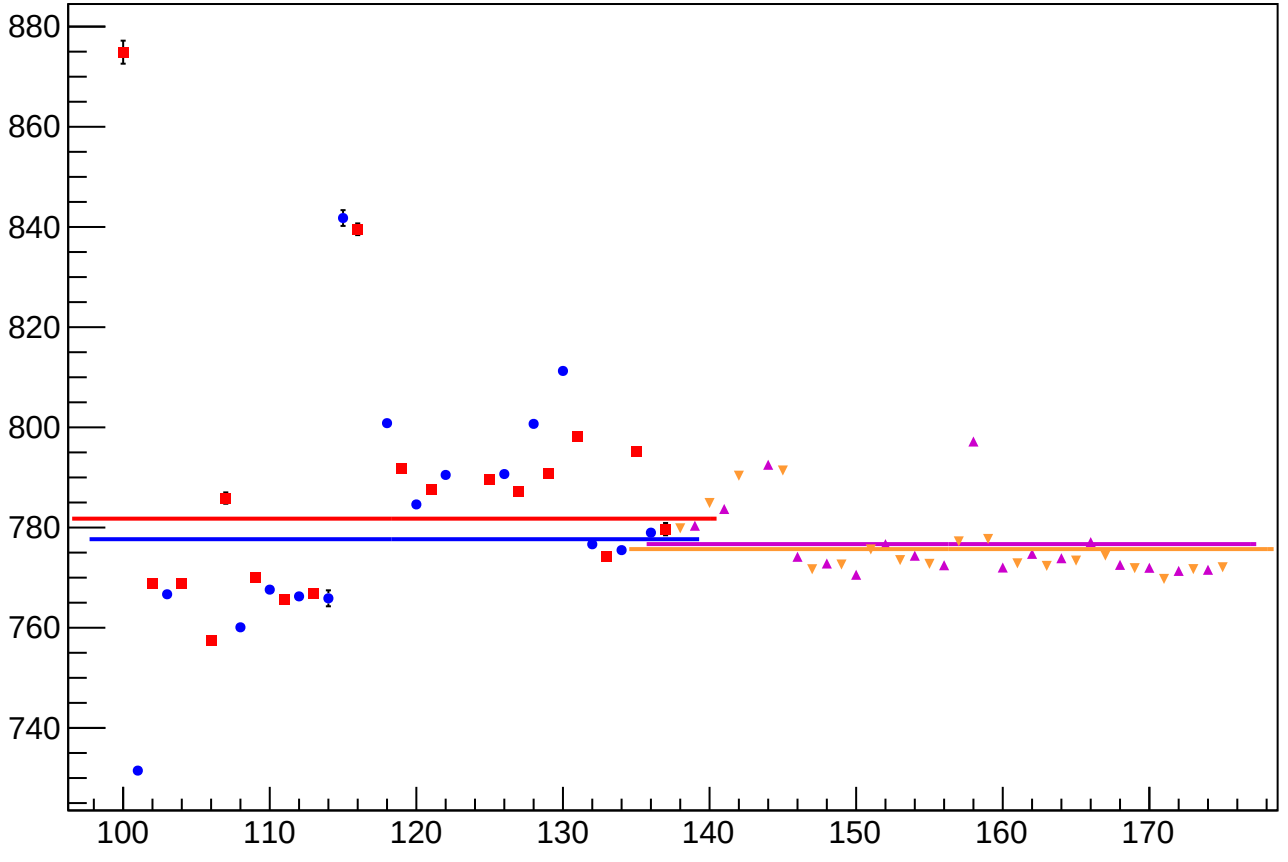
Left In: 287.788+/-201.338 χ^2/NDF:17.5/17

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

All: -54.380+/-116.464 χ^2/NDF: 56.3/70

- sign 184.781+/-165.028 χ^2/NDF: 30.0/35

eigen_cor_asym_us_dd_rms vs Slug



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

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

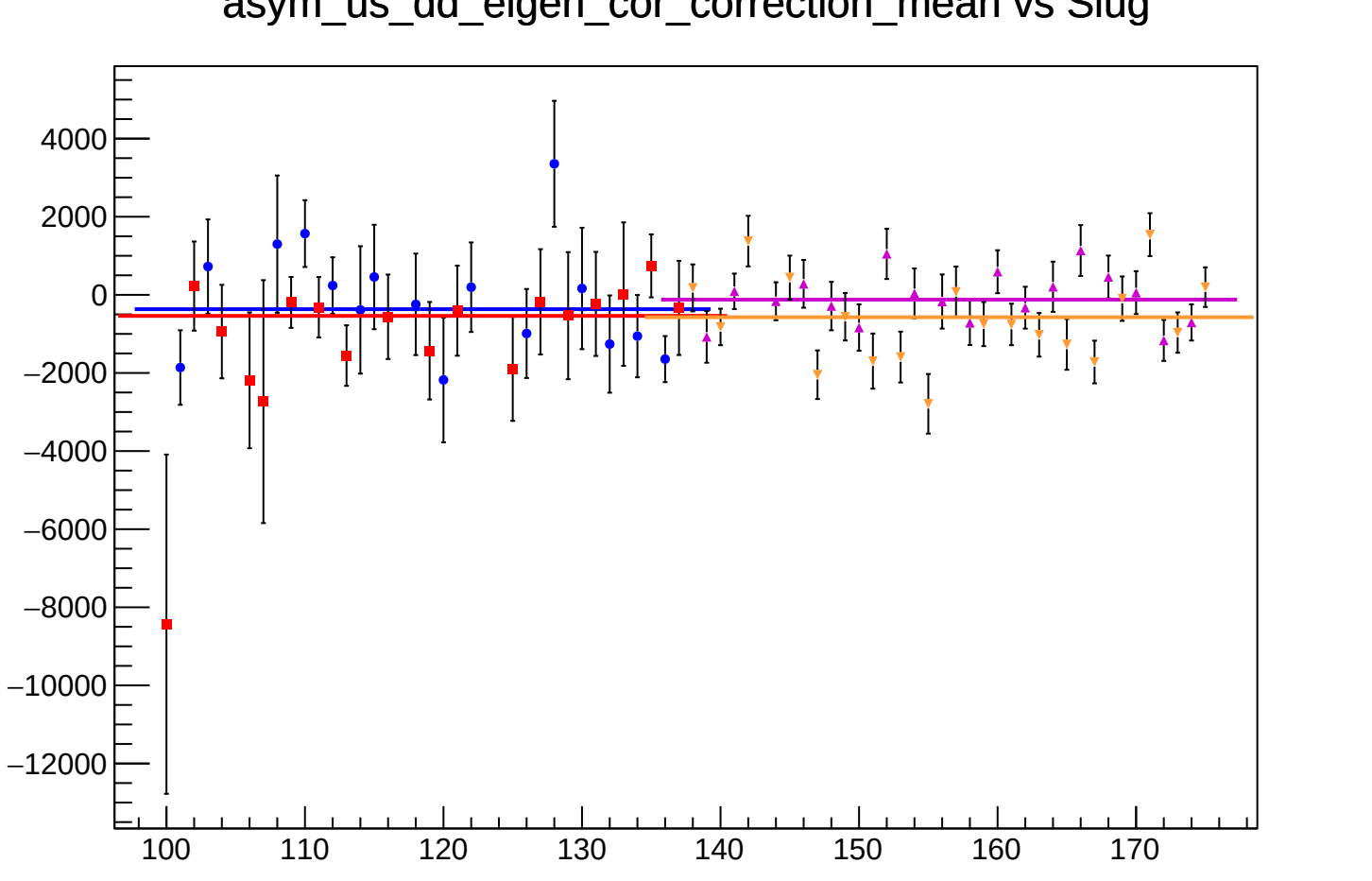
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.697+/-0.142 χ^2/NDF:2653.8/17

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

All: 777.348+/-0.082 χ^2/NDF: 24597.5/70

- sign 778.364+/-0.117 χ^2/NDF: 10697.9/35



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

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

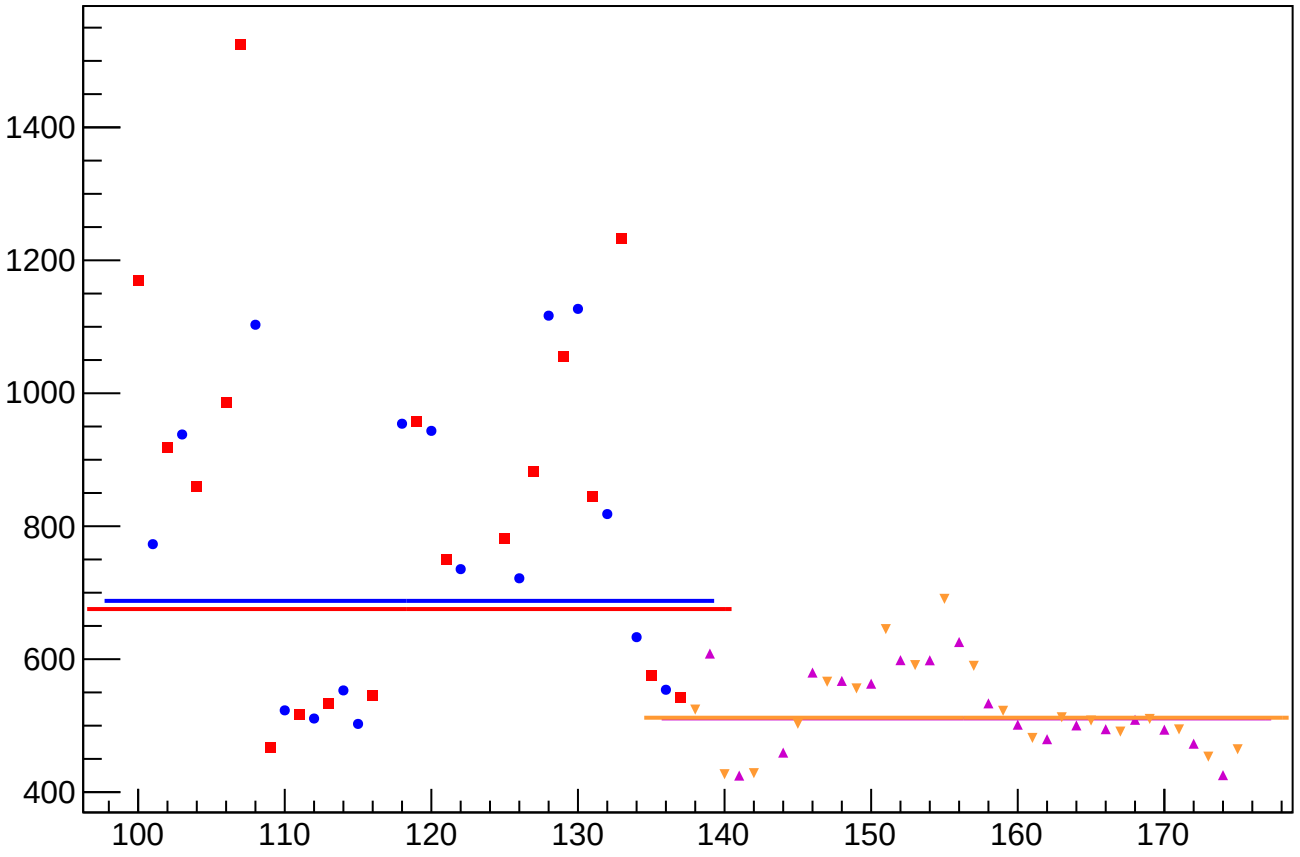
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -122.207+/-133.644 χ^2/NDF:21.3/17

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

All: -369.571+/-84.265 χ^2/NDF: 121.5/70

\- sign -207.768+/-119.135 χ^2/NDF: 35.0/35



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

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

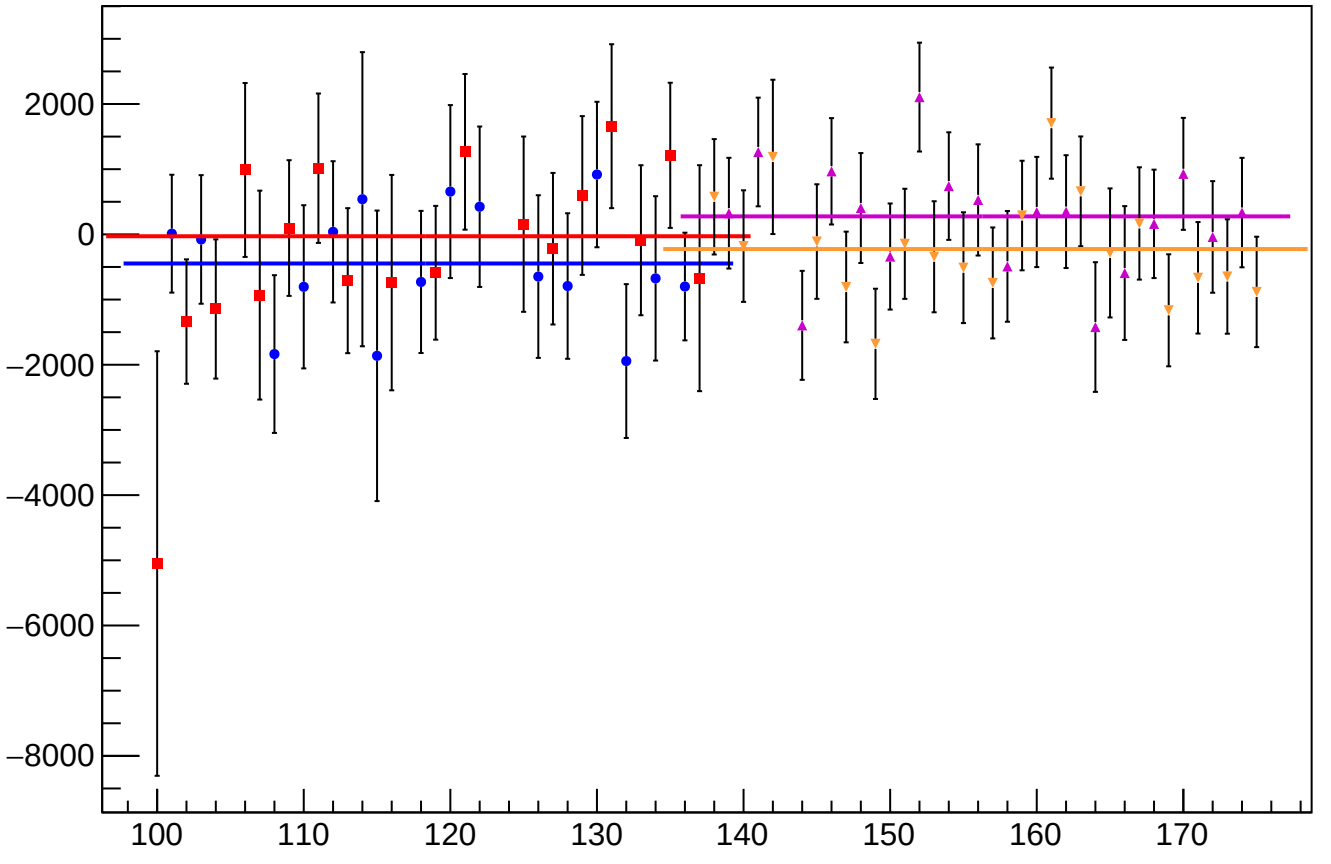
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 510.891+/-0.095 χ^2/NDF:417200.7/17

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

All: 545.868+/-0.060 χ^2/NDF: 4501631.4/70

\- sign 544.674+/-0.084 χ^2/NDF: 2352557.2/35



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

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

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

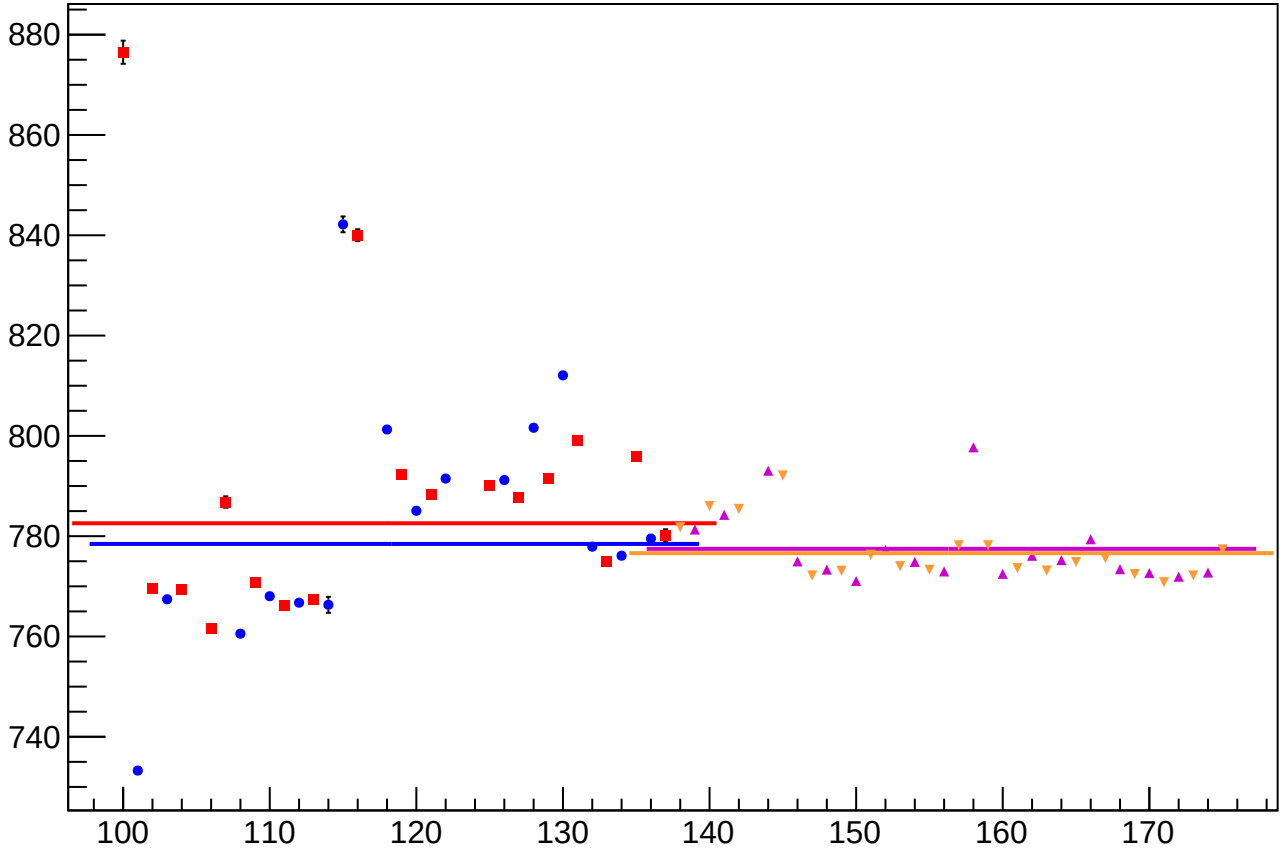
Left In: 275.986+/-201.540 χ^2/NDF:17.1/17

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

All: -61.302+/-116.589 χ^2/NDF: 57.6/70

- sign 175.973+/-165.194 χ^2/NDF: 30.5/35

dit_asym_us_dd_rms vs Slug



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

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

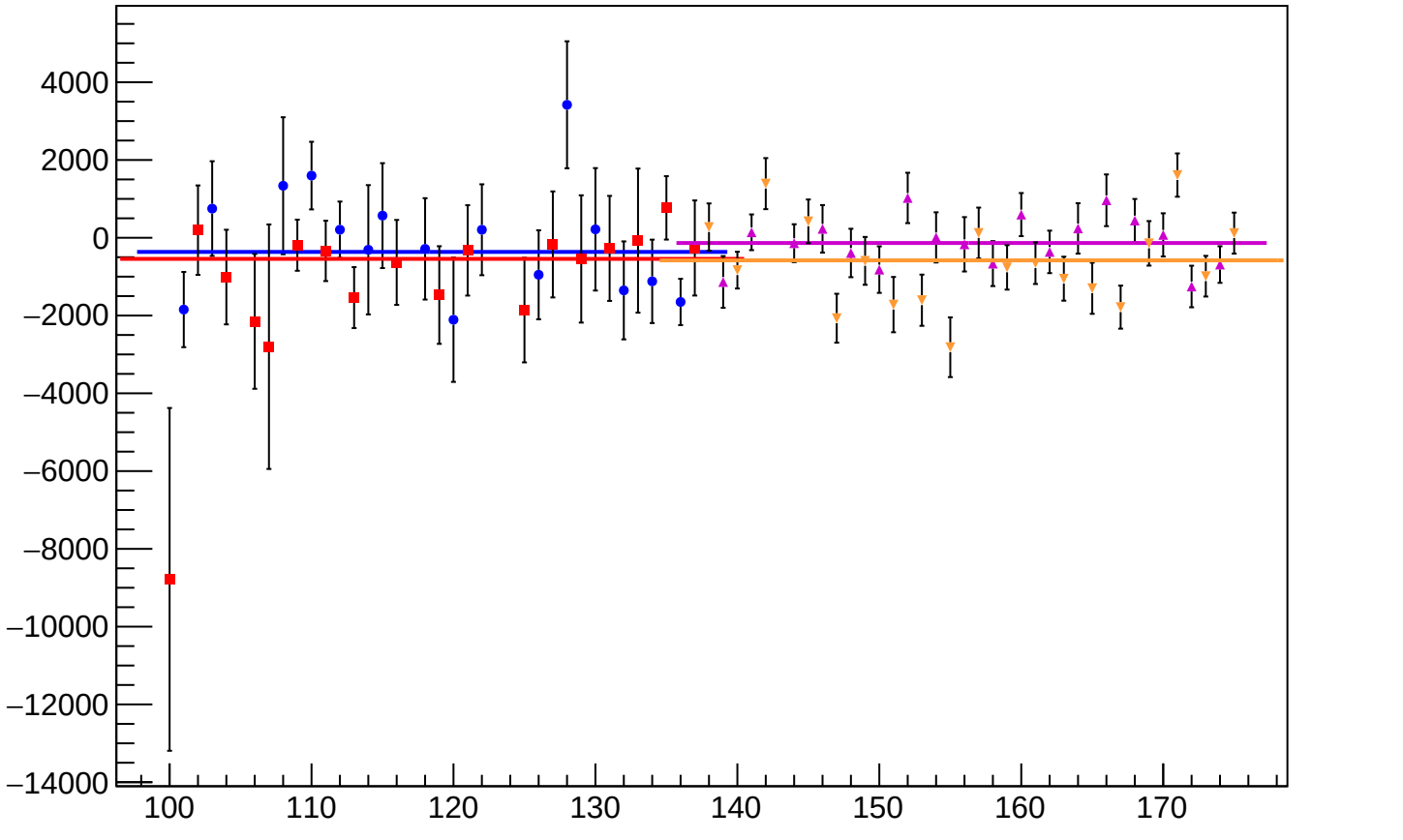
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 777.473+/-0.143 χ^2/NDF:2622.9/17

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

All: 778.175+/-0.082 χ^2/NDF: 23967.4/70

- sign 779.147+/-0.117 χ^2/NDF: 10525.0/35



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

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

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

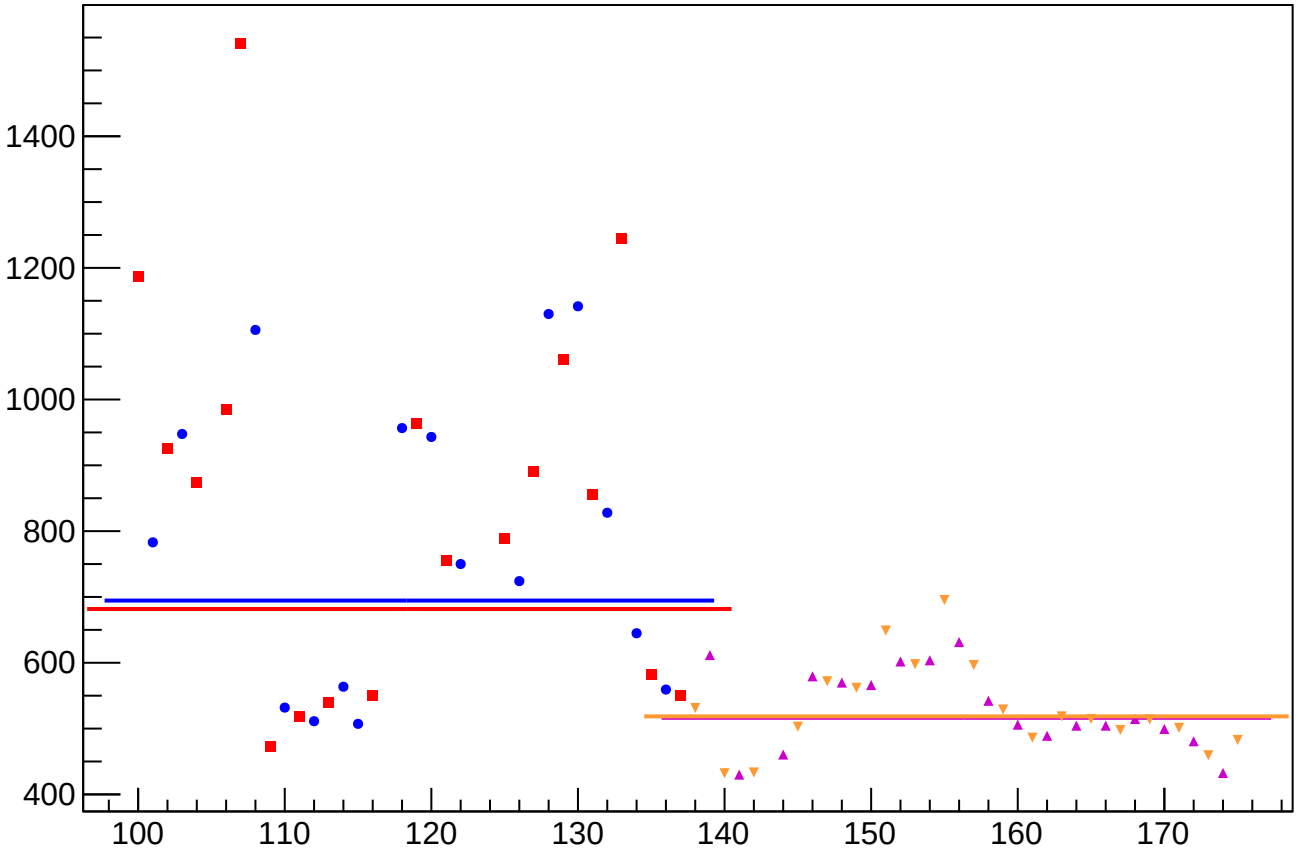
Left In: -134.663+/-135.018 χ^2/NDF:20.5/17

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

All: -377.730+/-85.192 χ^2/NDF: 121.4/70

\- sign -218.656+/-120.329 χ^2/NDF: 34.2/35

asym_us_dd_dit_correction_rms vs Slug



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

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

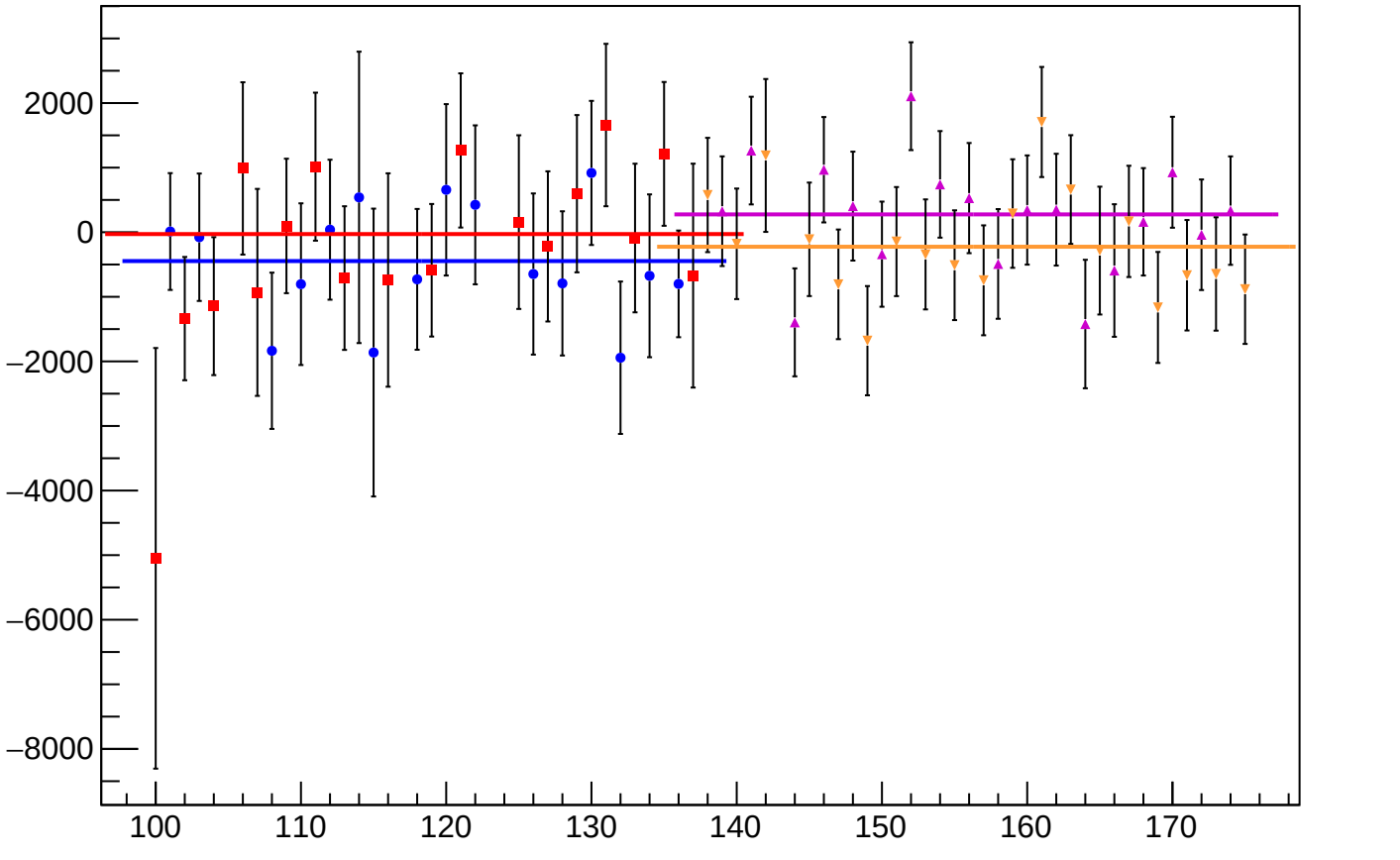
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 516.381+/-0.095 χ^2/NDF:399069.1/17

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

All: 552.132+/-0.060 χ^2/NDF: 4446743.2/70

- sign 550.405+/-0.085 χ^2/NDF: 2327657.4/35



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

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

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

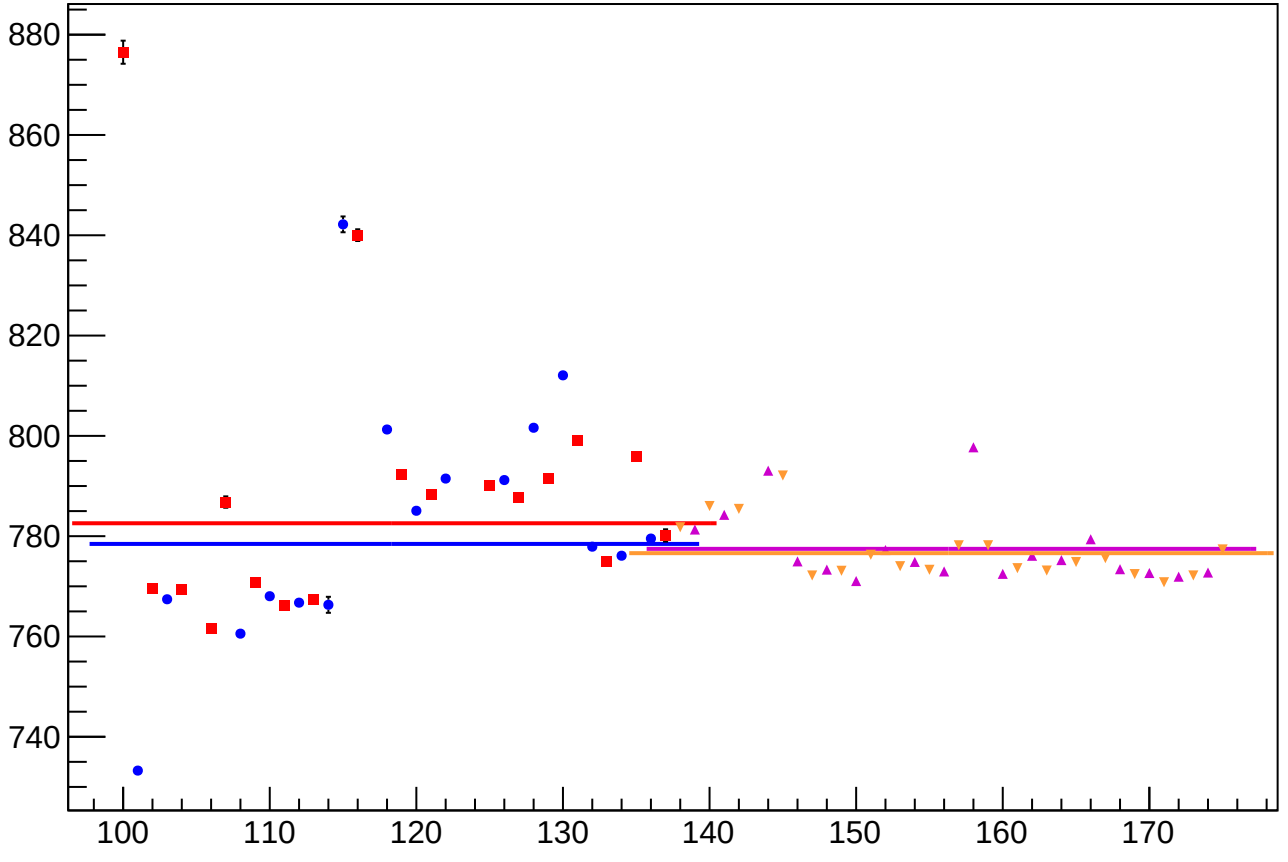
Left In: 275.986+/-201.540 χ^2/NDF:17.1/17

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

All: -61.302+/-116.589 χ^2/NDF: 57.6/70

- sign 175.973+/-165.194 χ^2/NDF: 30.5/35

eigen_dit_asym_us_dd_rms vs Slug



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

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

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

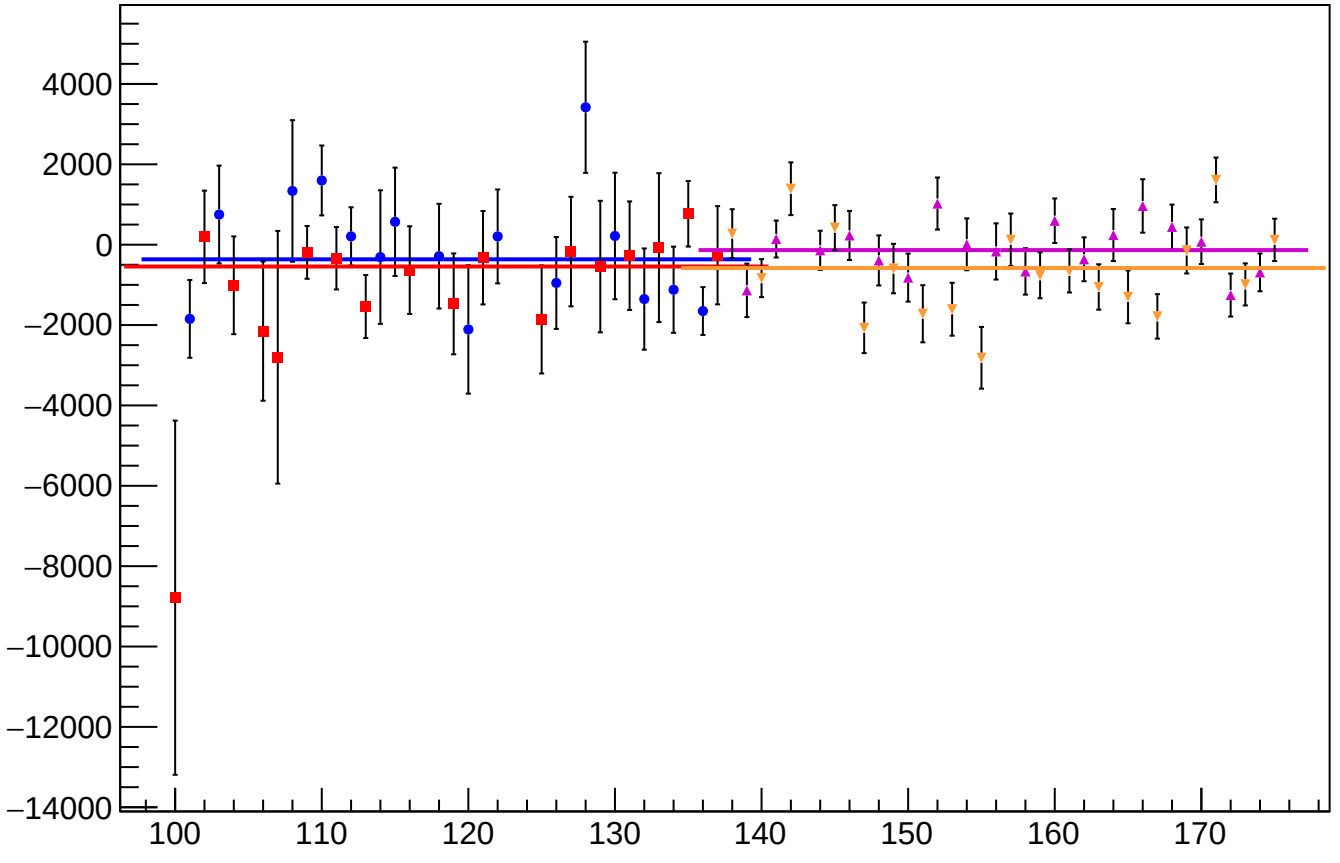
Left In: 777.473+/-0.143 χ^2/NDF:2622.9/17

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

All: 778.175+/-0.082 χ^2/NDF: 23967.3/70

- sign 779.147+/-0.117 χ^2/NDF: 10525.0/35

asym_us_dd_eigen_dit_correction_mean vs Slug



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

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

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

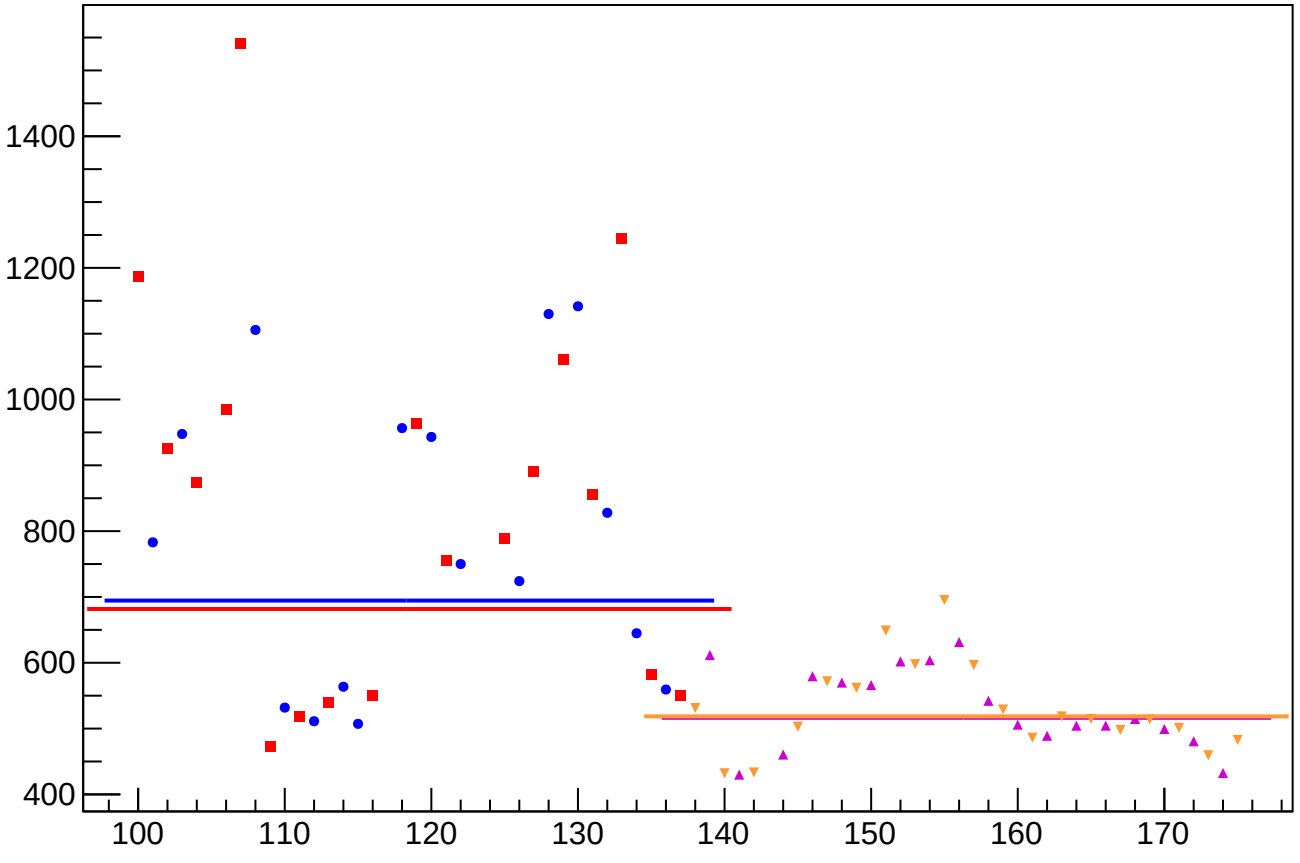
Left In: -134.662+/-135.018 χ^2/NDF:20.5/17

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

All: -377.729+/-85.192 χ^2/NDF: 121.4/70

- sign -218.656+/-120.329 χ^2/NDF: 34.2/35

asym_us_dd_eigen_dit_correction_rms vs Slug



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

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

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

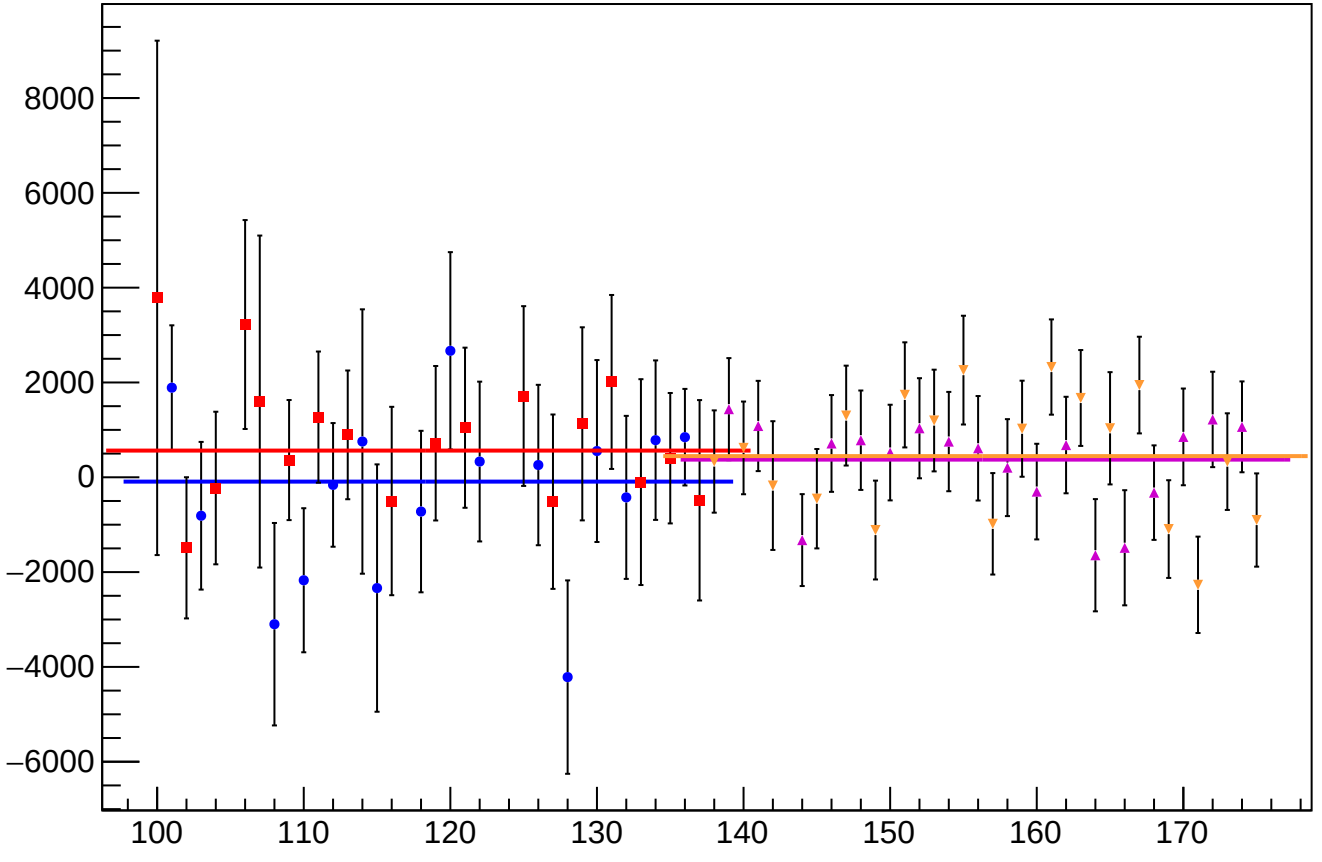
Left In: 516.381+/-0.095 χ^2/NDF:399082.0/17

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

All: 552.132+/-0.060 χ^2/NDF: 4446754.9/70

- sign 550.405+/-0.085 χ^2/NDF: 2327668.6/35

asym_us_dd_mean vs Slug



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

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

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

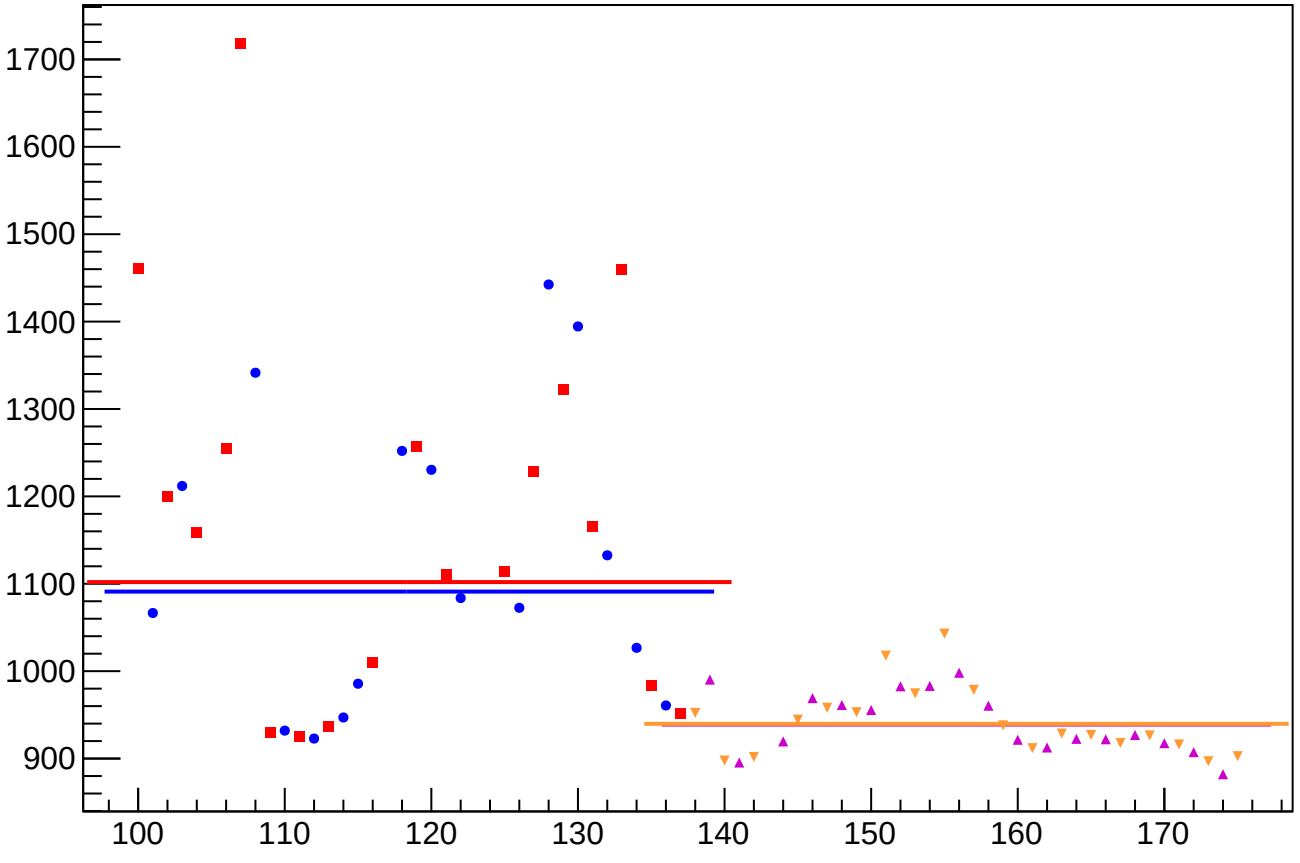
Left In: 372.694+/-243.588 χ^2/NDF:13.2/17

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

All: 364.433+/-147.886 χ^2/NDF: 64.8/70

- sign 422.140+/-209.624 χ^2/NDF: 19.9/35

asym_us_dd_rms vs Slug



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

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

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

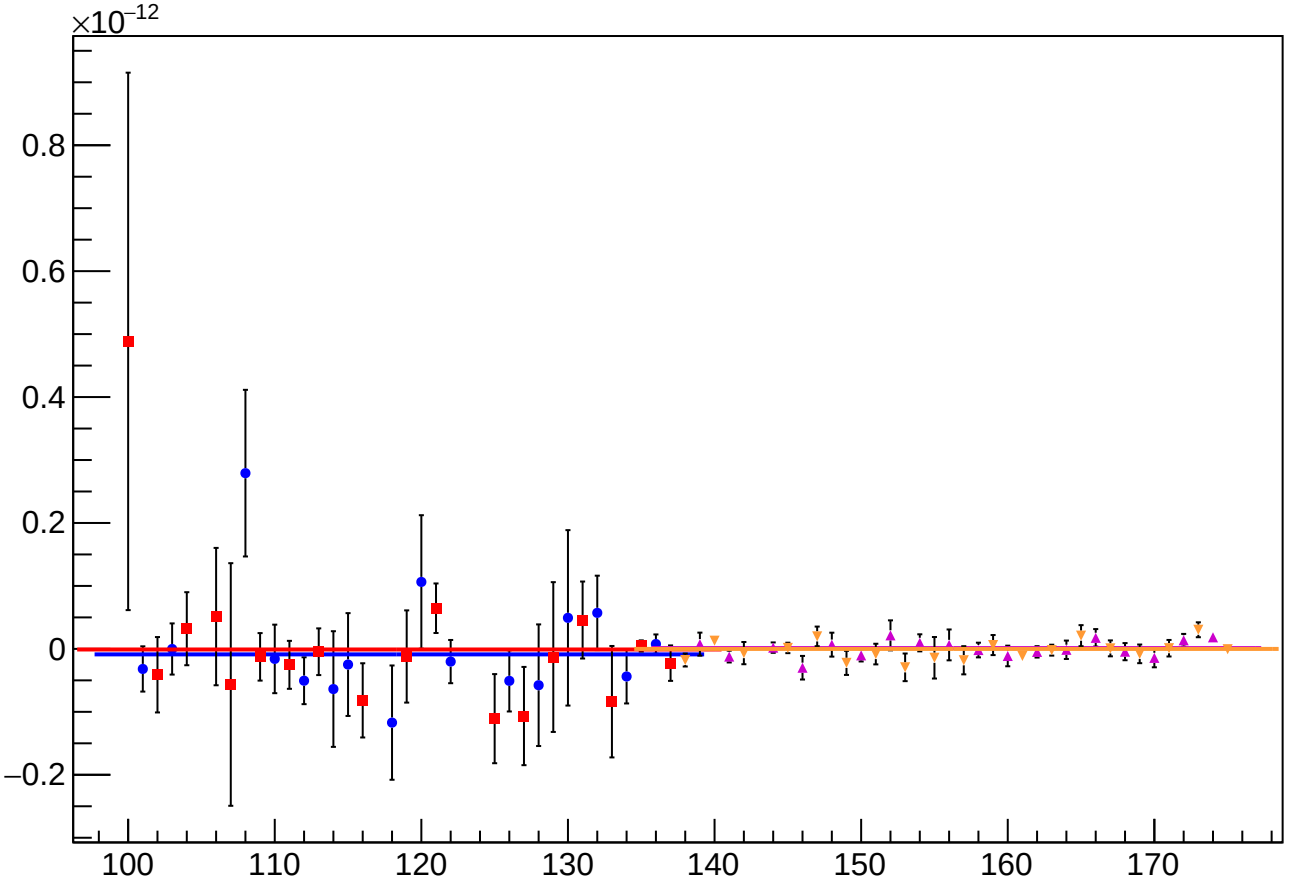
Left In: 938.907+/-0.172 χ^2/NDF:39256.9/17

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

All: 980.067+/-0.105 χ^2/NDF: 1127170.2/70

\- sign 981.205+/-0.148 χ^2/NDF: 599823.2/35

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:22.6/18

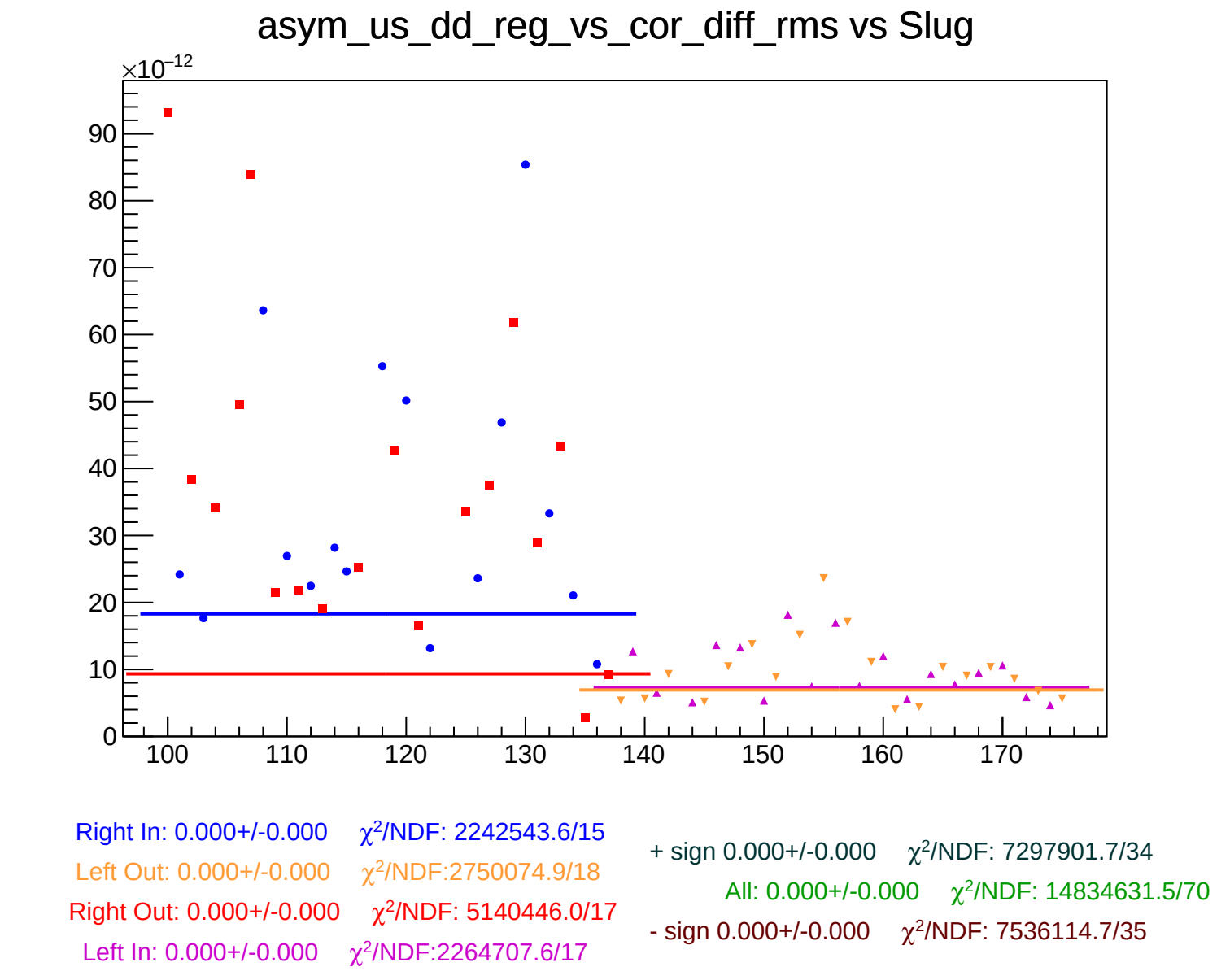
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: 0.000+/-0.000 χ^2/NDF:17.6/17

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

All: 0.000+/-0.000 χ^2/NDF: 69.4/70

- sign 0.000+/-0.000 χ^2/NDF: 32.0/35


asym_us_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
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60
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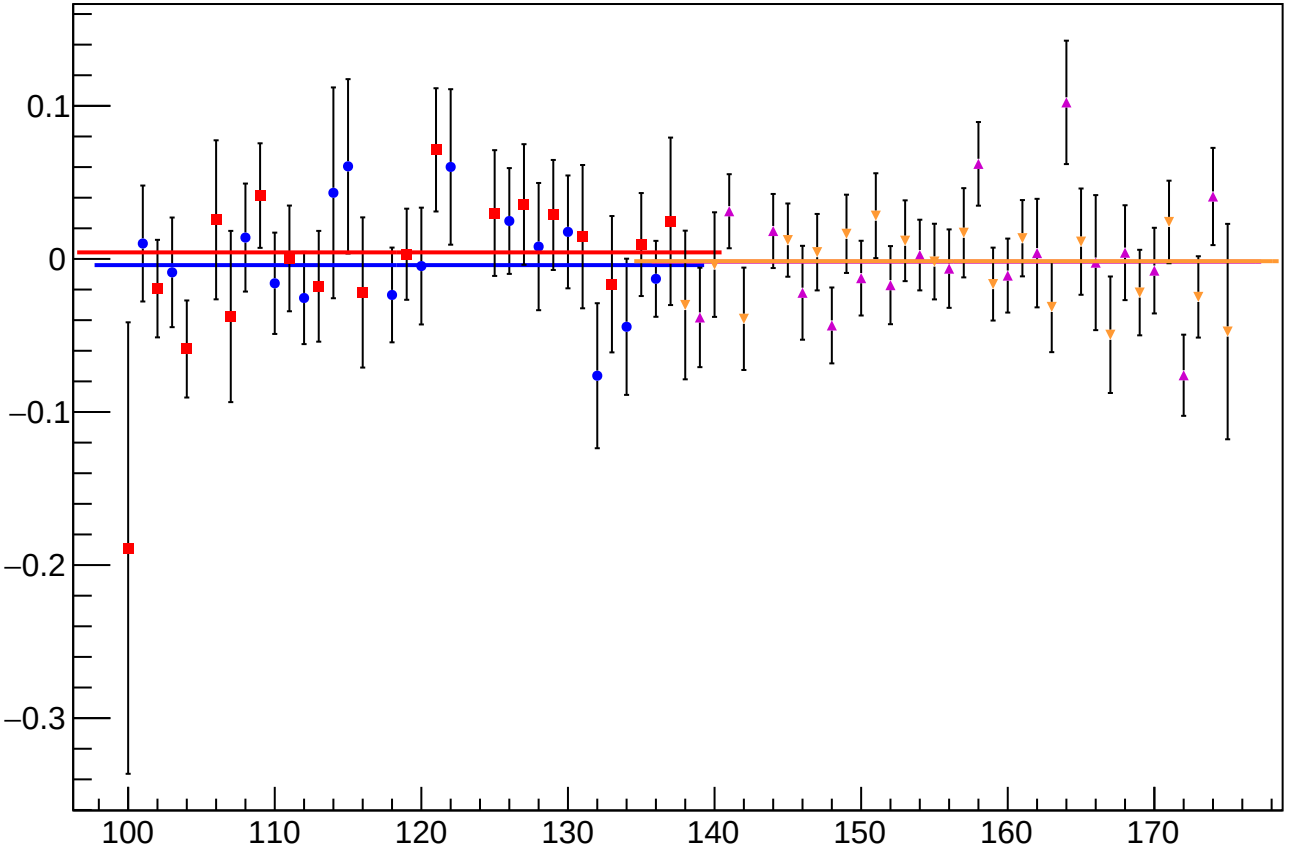
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2750074.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:2264707.6/17
+ sign 0.000+/-0.000 χ²/NDF: 7297901.7/34
All: 0.000+/-0.000 χ²/NDF: 14834631.5/70
- sign 0.000+/-0.000 χ²/NDF: 7536114.7/35

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

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

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

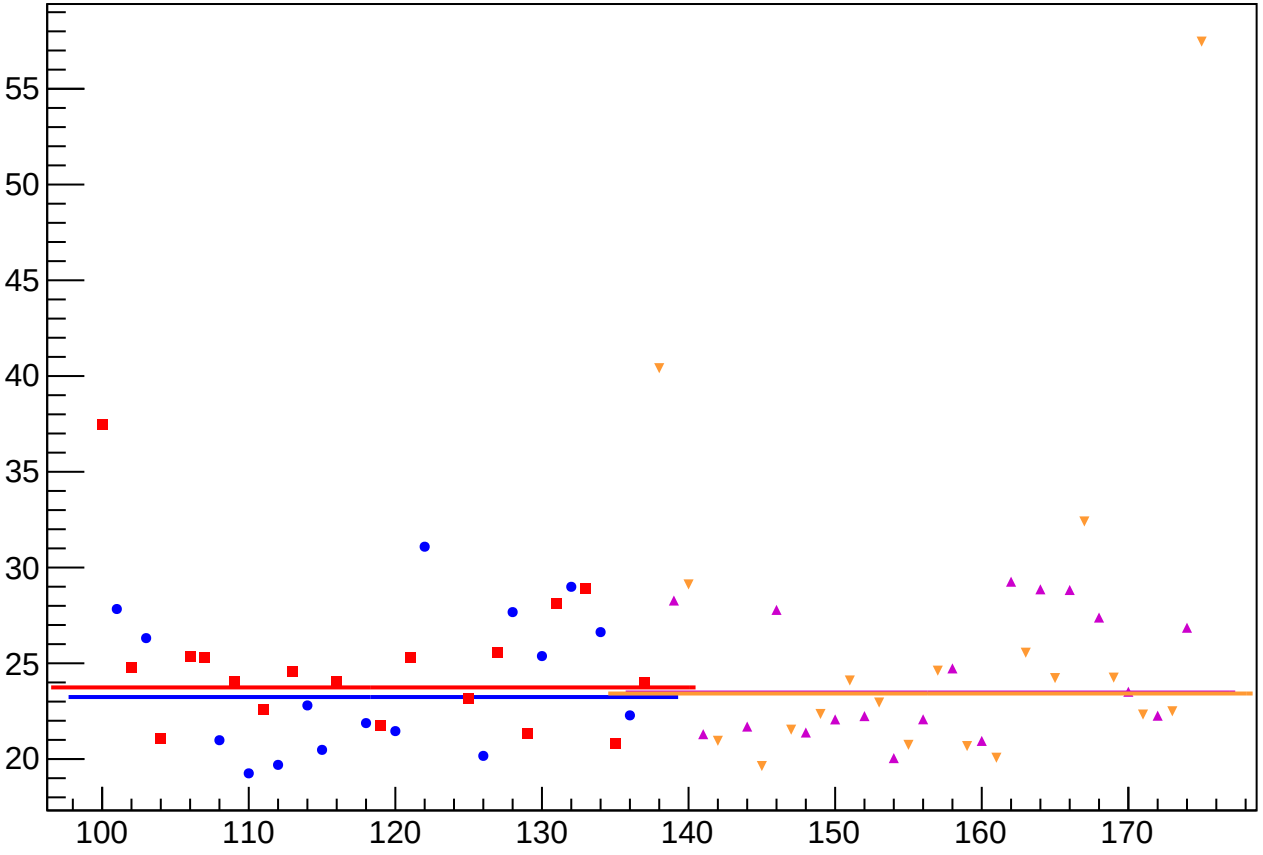
Left In: -0.002+/-0.007 χ^2/NDF:29.7/17

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

All: -0.001+/-0.004 χ^2/NDF: 63.3/70

- sign 0.000+/-0.005 χ^2/NDF: 43.5/35

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

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

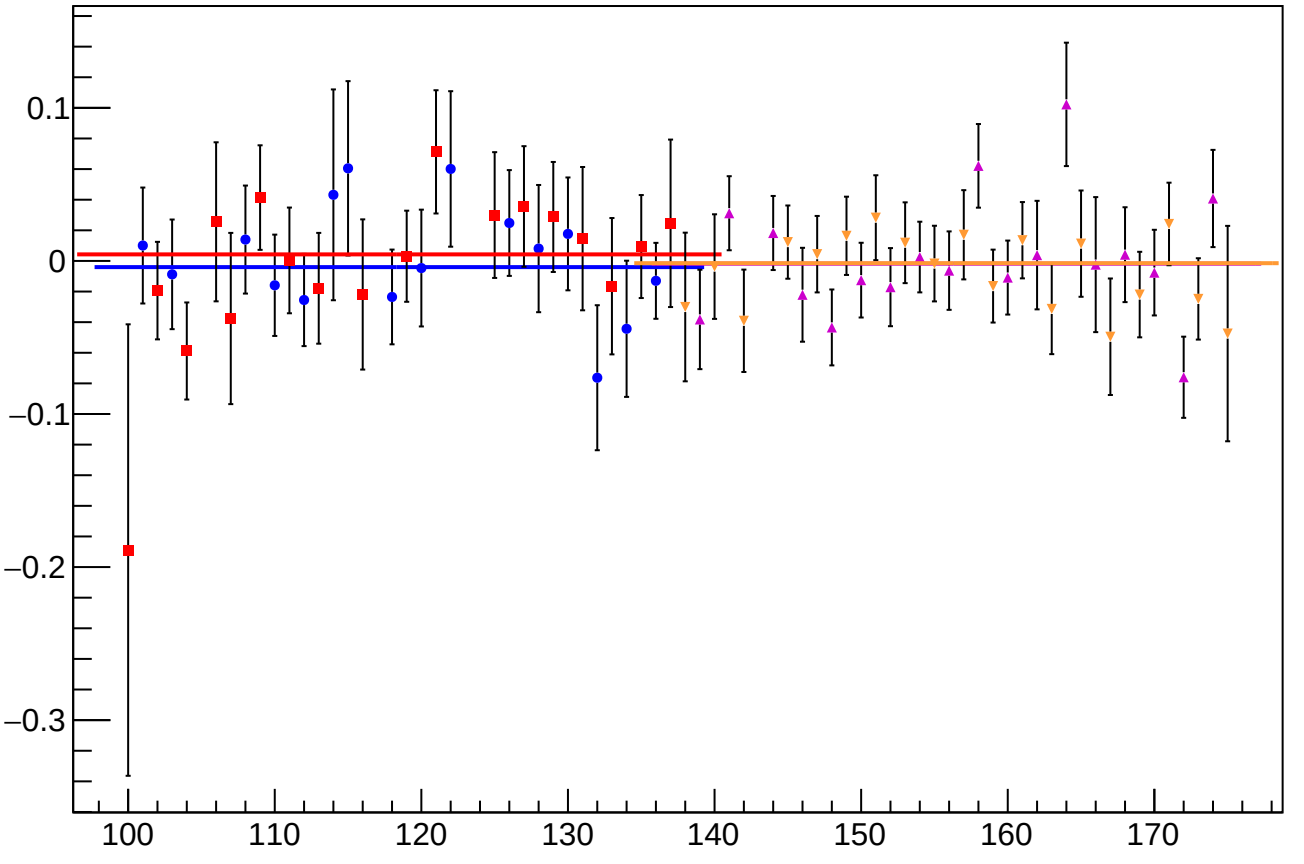
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.474+/-0.005 χ^2/NDF:389138.8/17

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

All: 23.461+/-0.003 χ^2/NDF: 1843978.5/70

- sign 23.562+/-0.004 χ^2/NDF: 516420.8/35



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

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

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

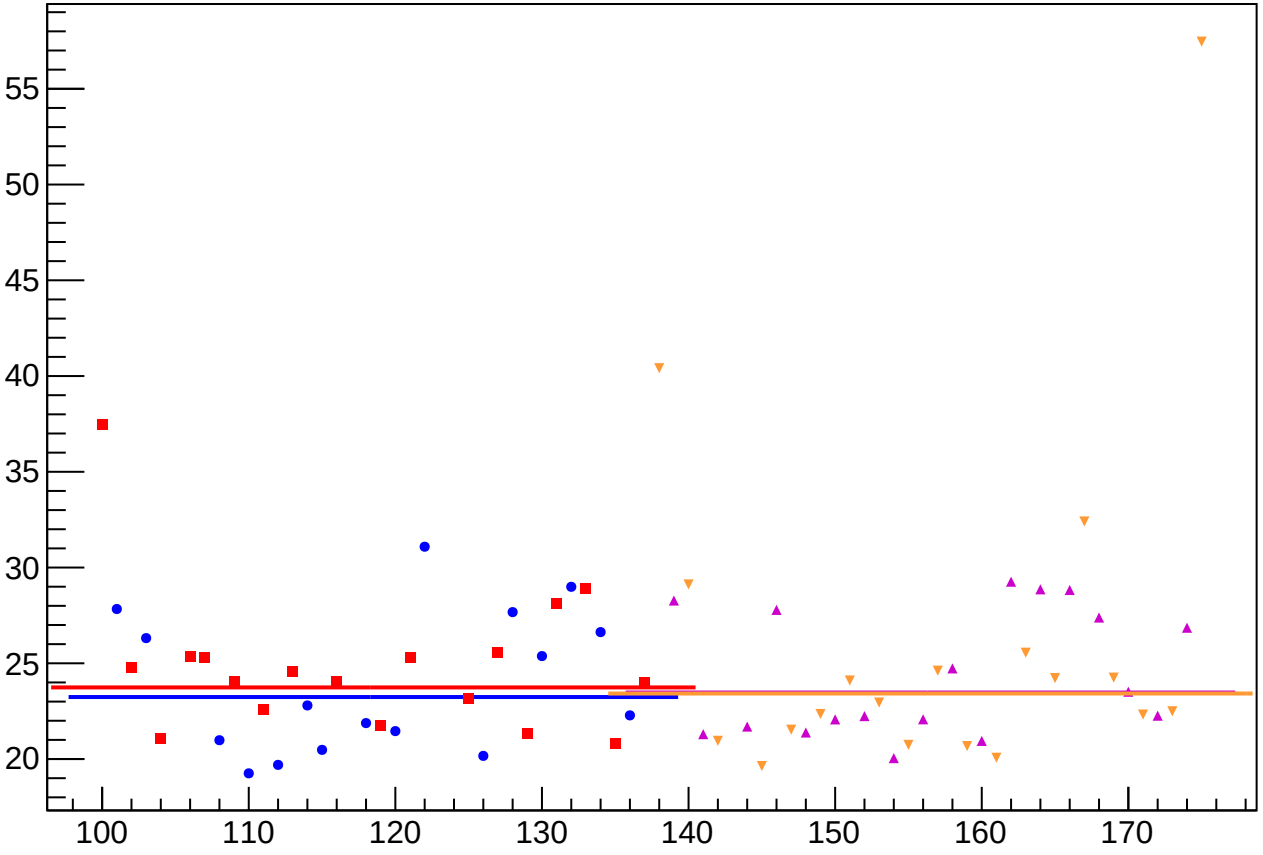
Left In: -0.002+/-0.007 χ^2/NDF:29.7/17

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

All: -0.001+/-0.004 χ^2/NDF: 63.3/70

- sign 0.000+/-0.005 χ^2/NDF: 43.5/35

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



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

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

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

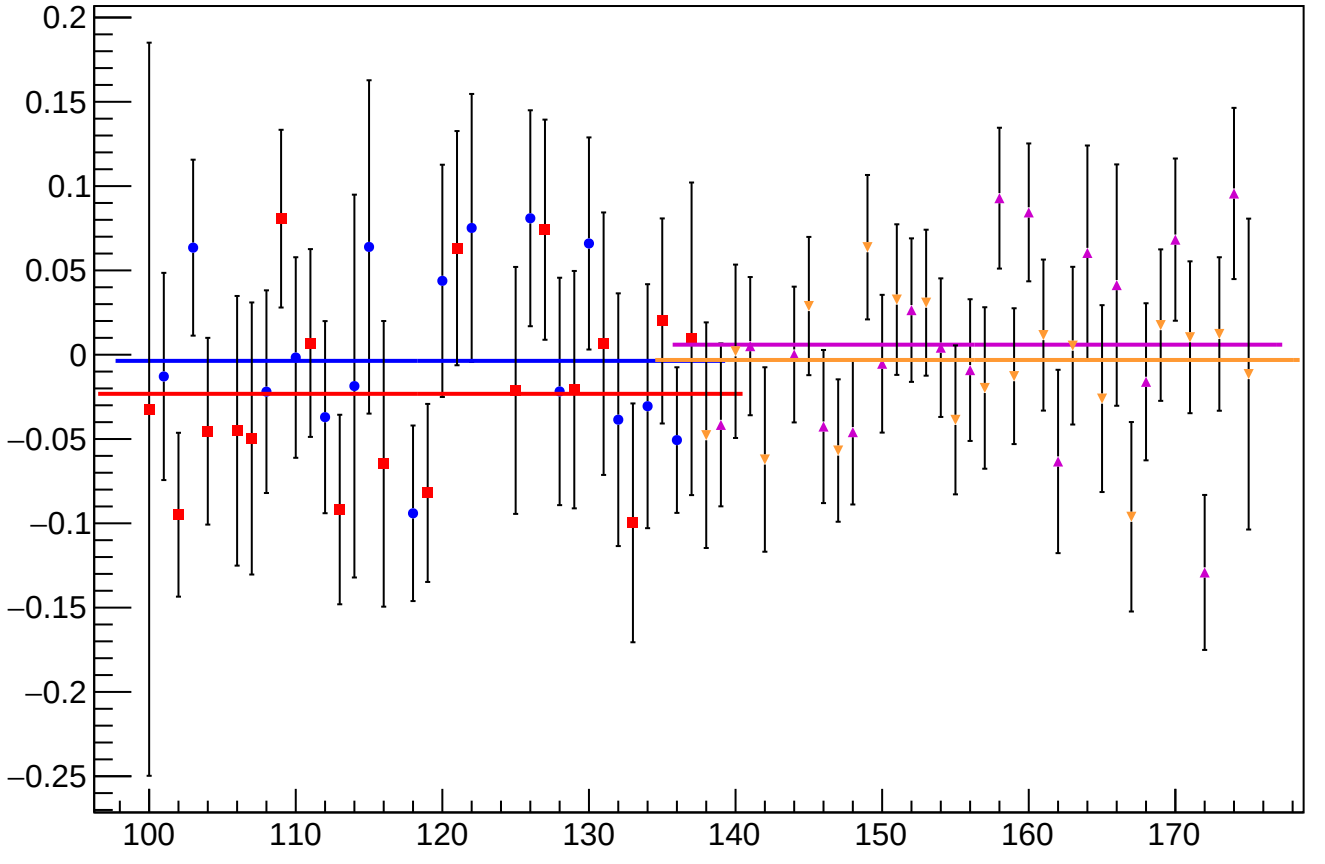
Left In: 23.474+/-0.005 χ^2/NDF:389138.8/17

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

All: 23.461+/-0.003 χ^2/NDF: 1843978.5/70

- sign 23.562+/-0.004 χ^2/NDF: 516420.8/35

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



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

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

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

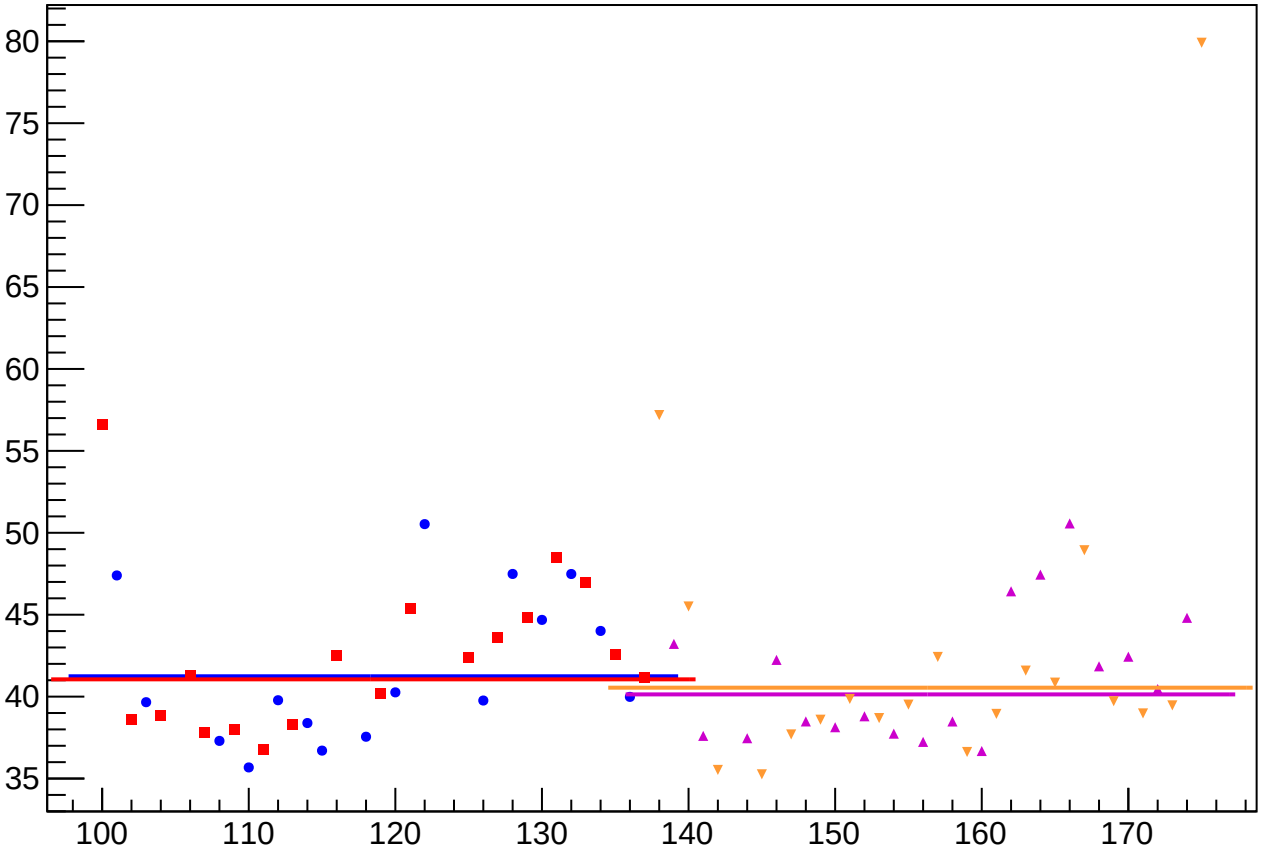
Left In: 0.006+/-0.011 χ^2/NDF:28.3/17

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

All: -0.003+/-0.006 χ^2/NDF: 69.6/70

- sign -0.003+/-0.009 χ^2/NDF: 46.1/35

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



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

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

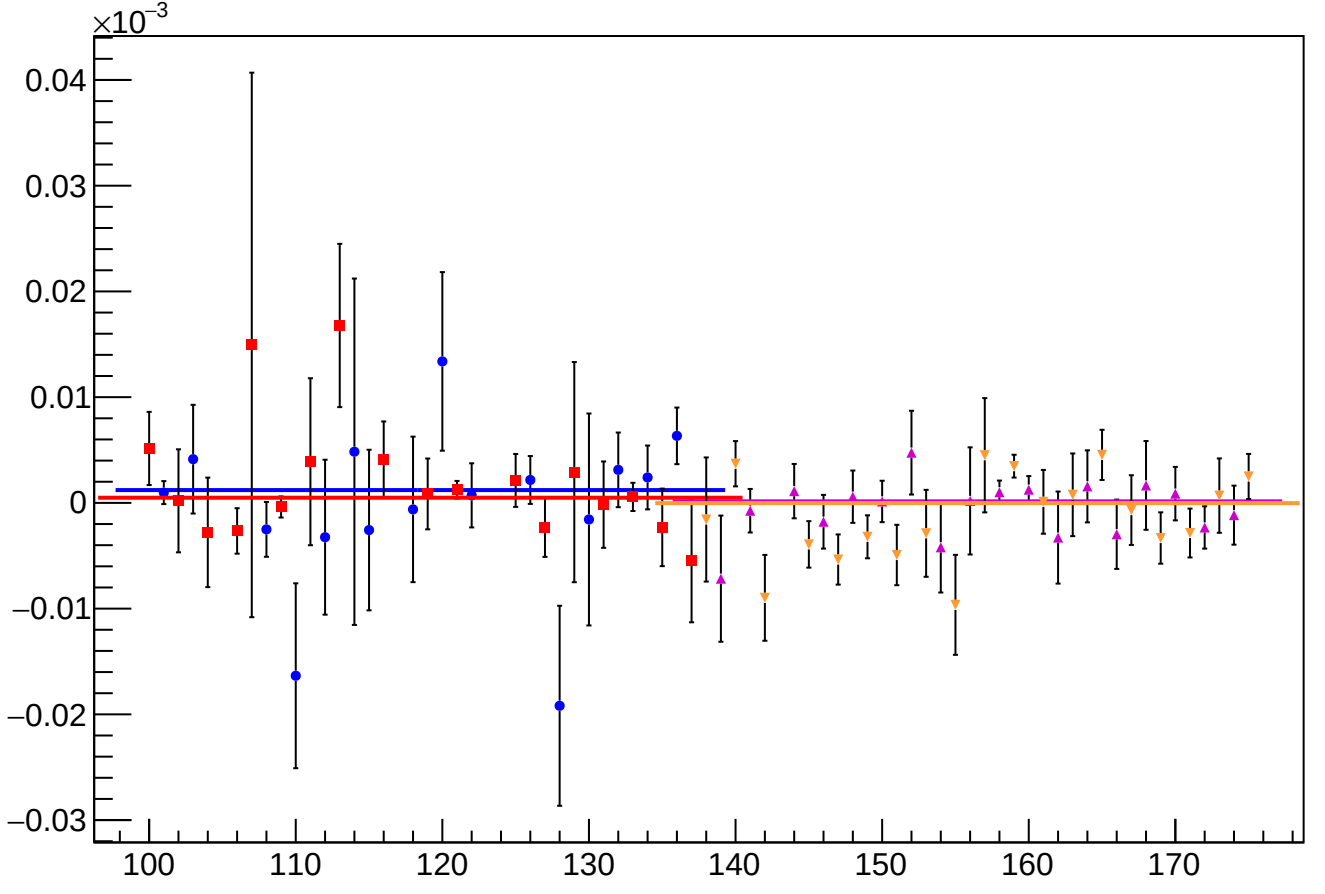
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 40.136+/-0.008 χ^2/NDF:192312.0/17

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

All: 40.600+/-0.004 χ^2/NDF: 1082999.8/70

\- sign 40.434+/-0.006 χ^2/NDF: 293618.2/35



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

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

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

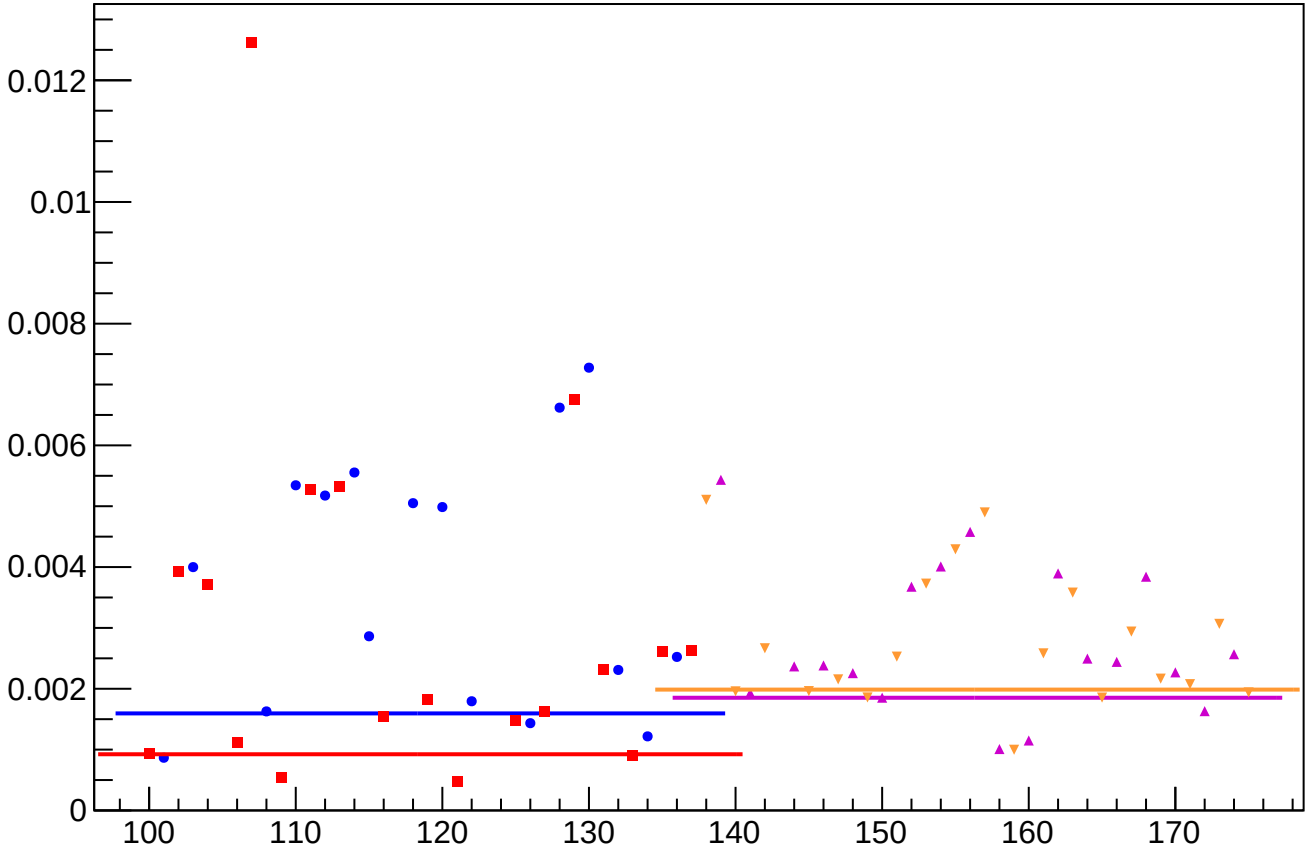
Left In: 0.000+/-0.000 χ^2/NDF:9.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 66.1/34

All: 0.000+/-0.000 χ^2/NDF: 91.1/70

- sign 0.000+/-0.000 χ^2/NDF: 25.0/35

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:4594265.8/18

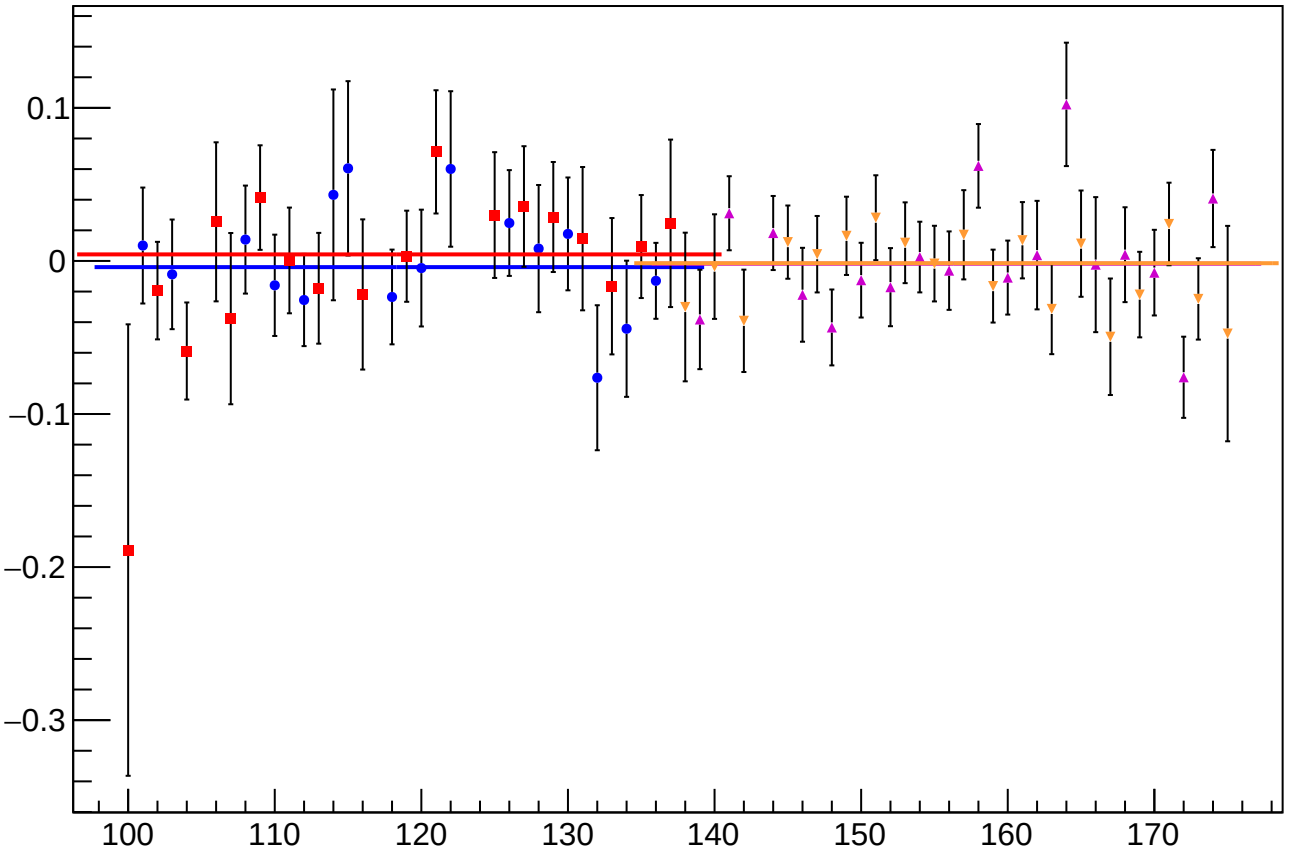
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:5462253.8/17

+ sign 0.002+/-0.000 χ^2/NDF: 9704373.2/34

All: 0.002+/-0.000 χ^2/NDF: 25604410.4/70

- sign 0.001+/-0.000 χ^2/NDF: 14430727.7/35



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

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

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

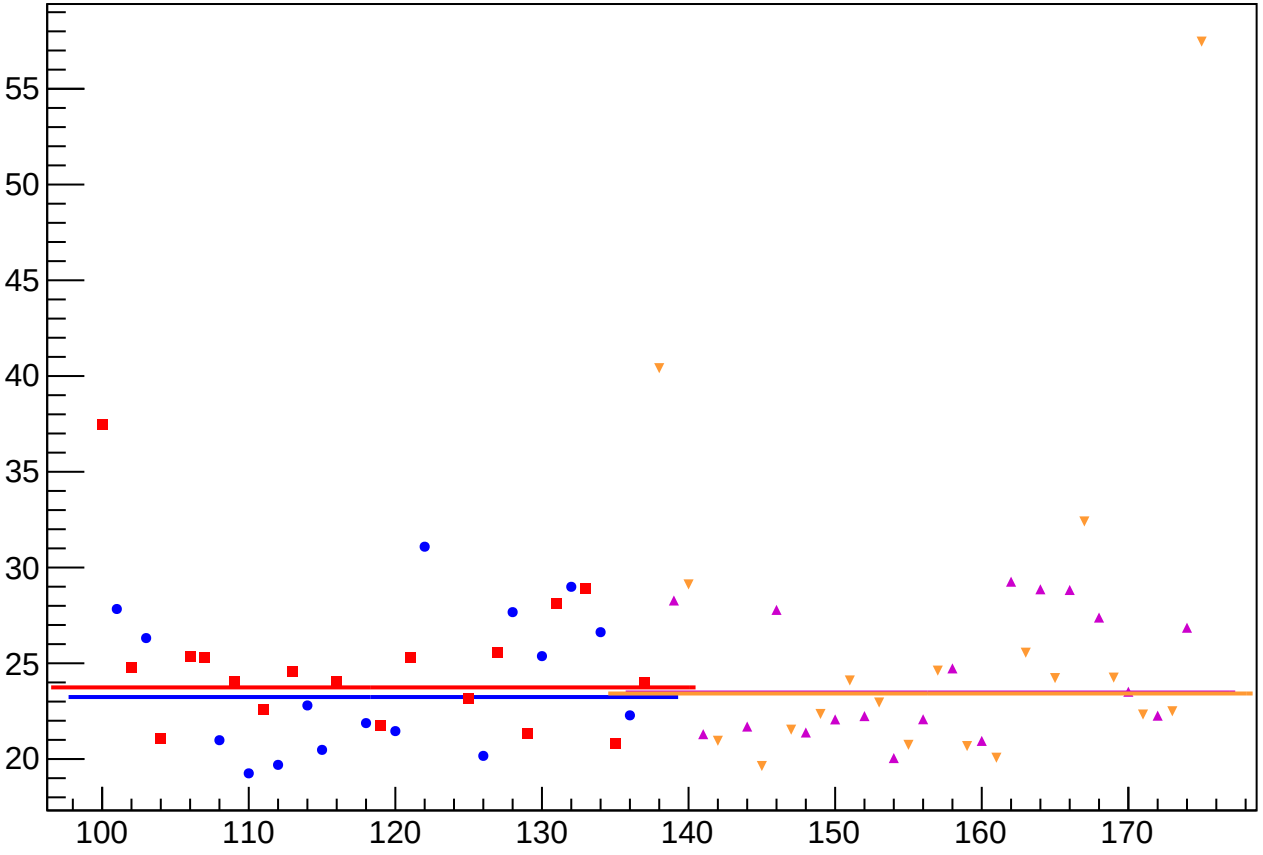
Left In: -0.002+/-0.007 χ^2/NDF:29.7/17

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

All: -0.001+/-0.004 χ^2/NDF: 63.3/70

- sign 0.000+/-0.005 χ^2/NDF: 43.5/35

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



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

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

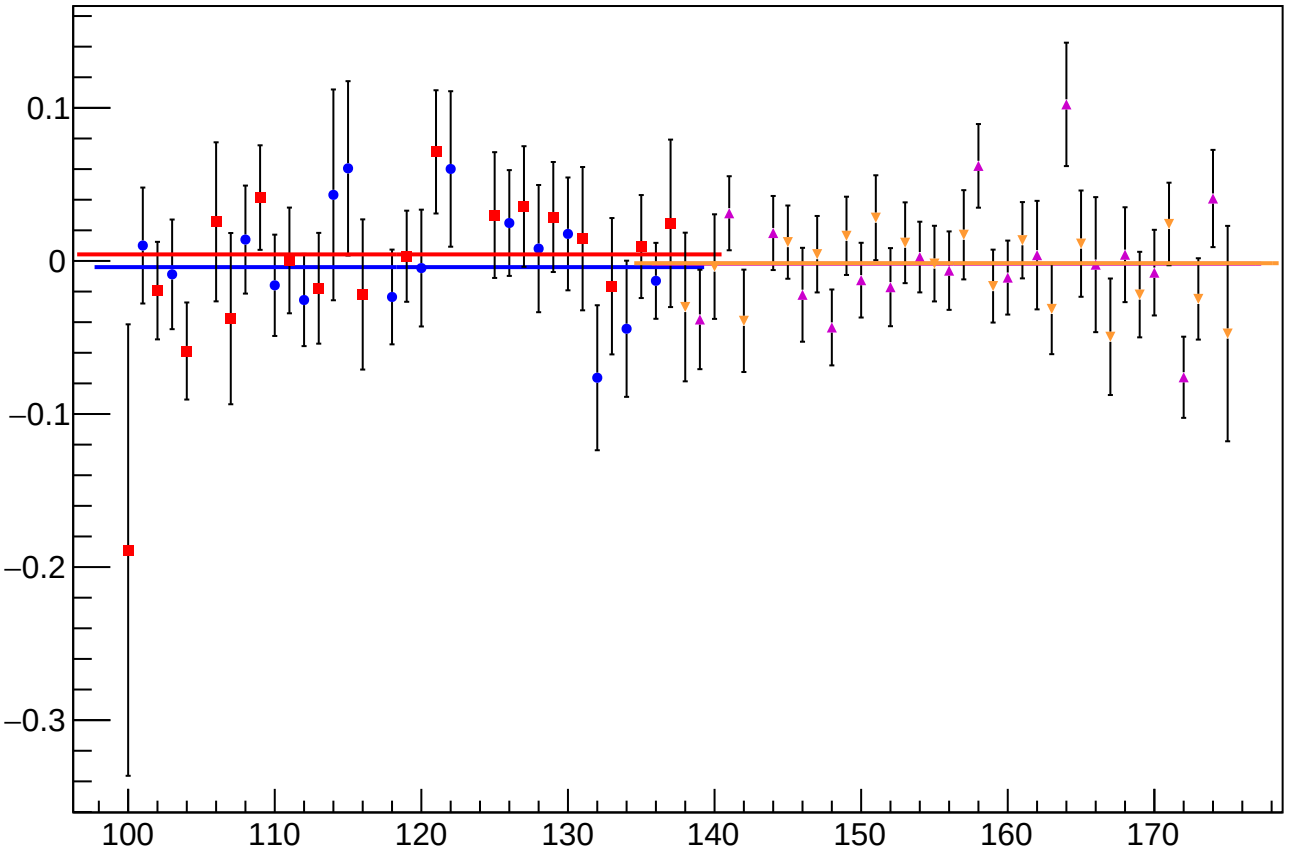
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.474+/-0.005 χ^2/NDF:389079.7/17

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

All: 23.461+/-0.003 χ^2/NDF: 1843890.1/70

- sign 23.562+/-0.004 χ^2/NDF: 516310.5/35



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

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

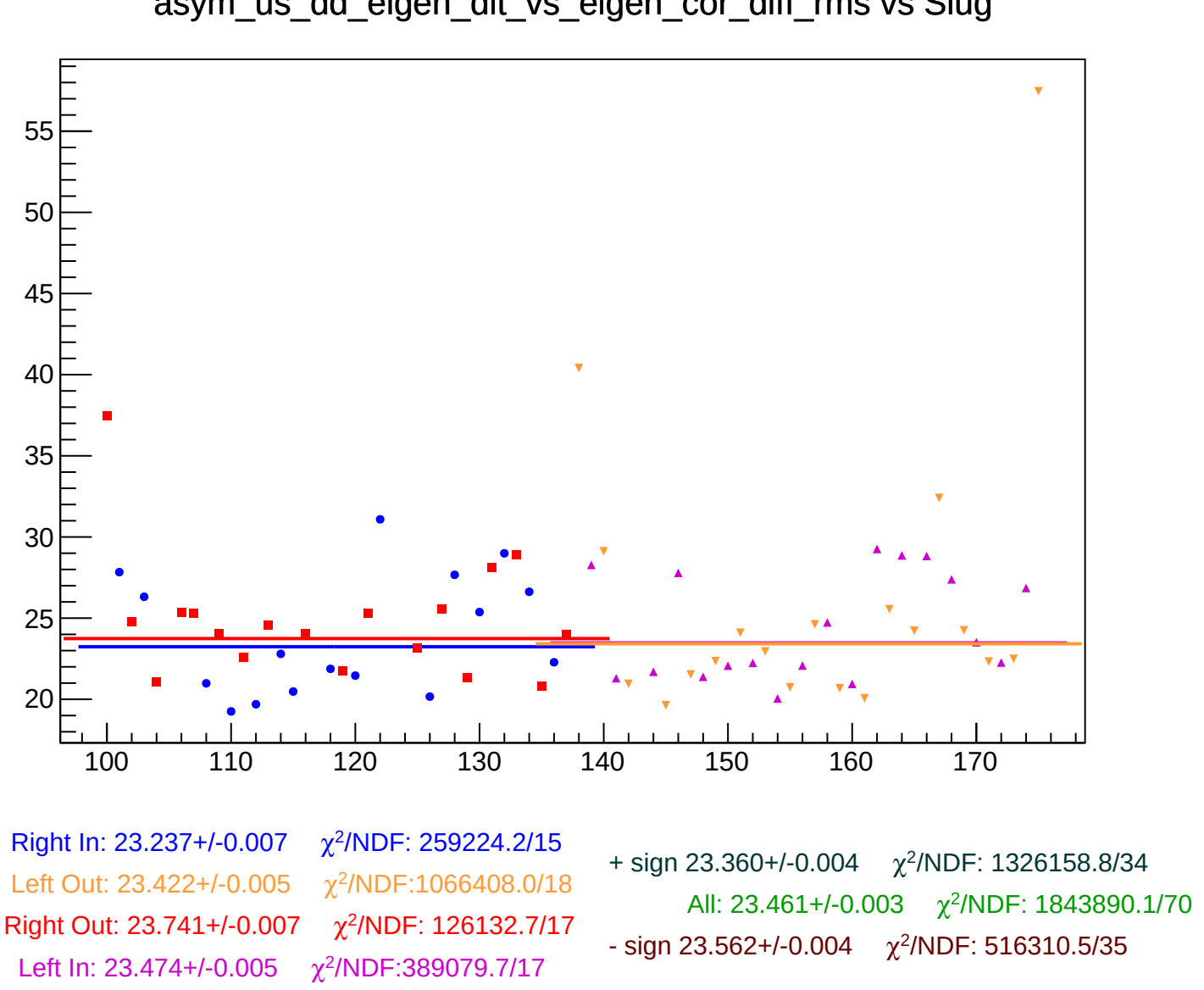
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.002+/-0.007 χ^2/NDF:29.7/17

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

All: -0.001+/-0.004 χ^2/NDF: 63.3/70

- sign 0.000+/-0.005 χ^2/NDF: 43.5/35


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
55
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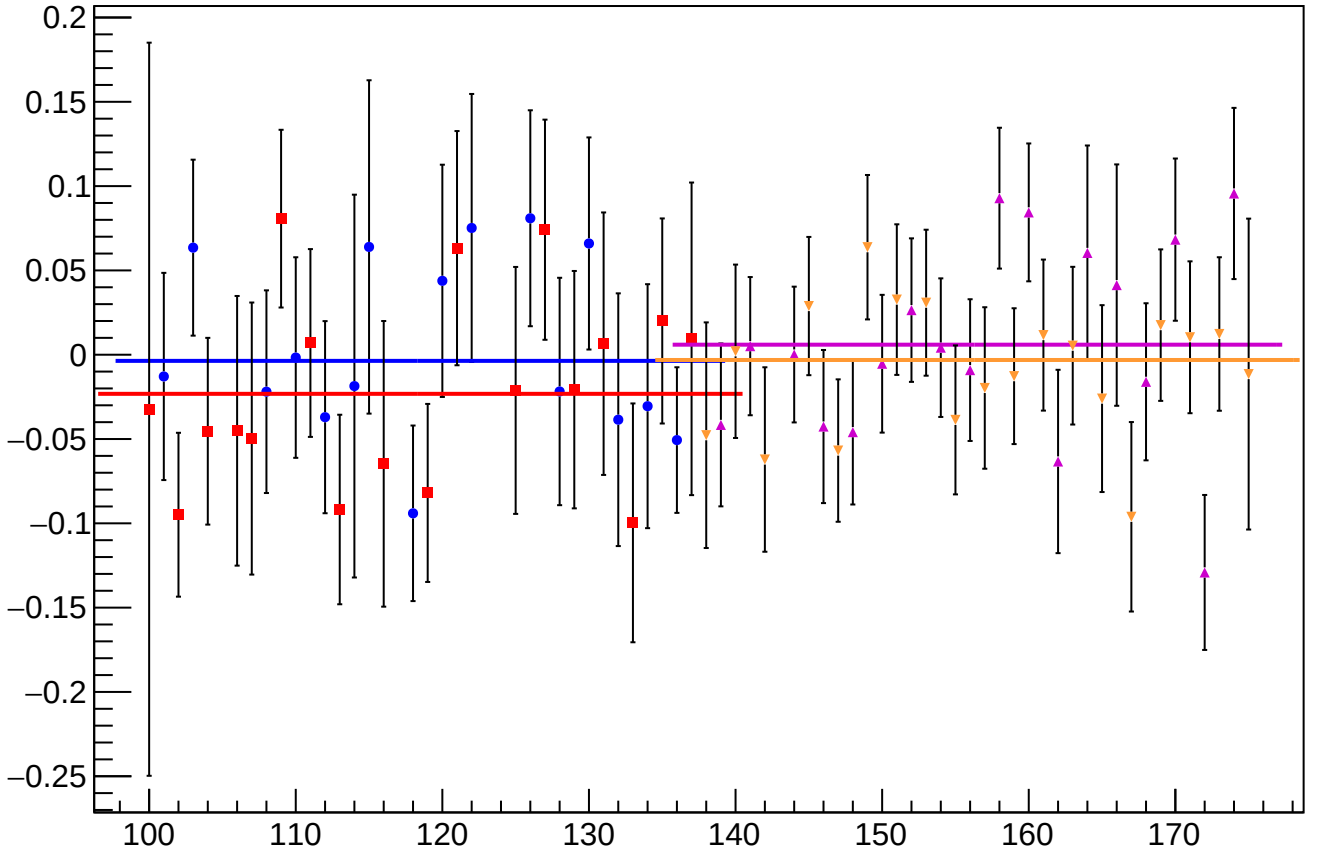
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 23.422+/-0.005 χ²/NDF:1066408.0/18
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 23.474+/-0.005 χ²/NDF:389079.7/17
+ sign 23.360+/-0.004 χ²/NDF: 1326158.8/34
All: 23.461+/-0.003 χ²/NDF: 1843890.1/70
- sign 23.562+/-0.004 χ²/NDF: 516310.5/35



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

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

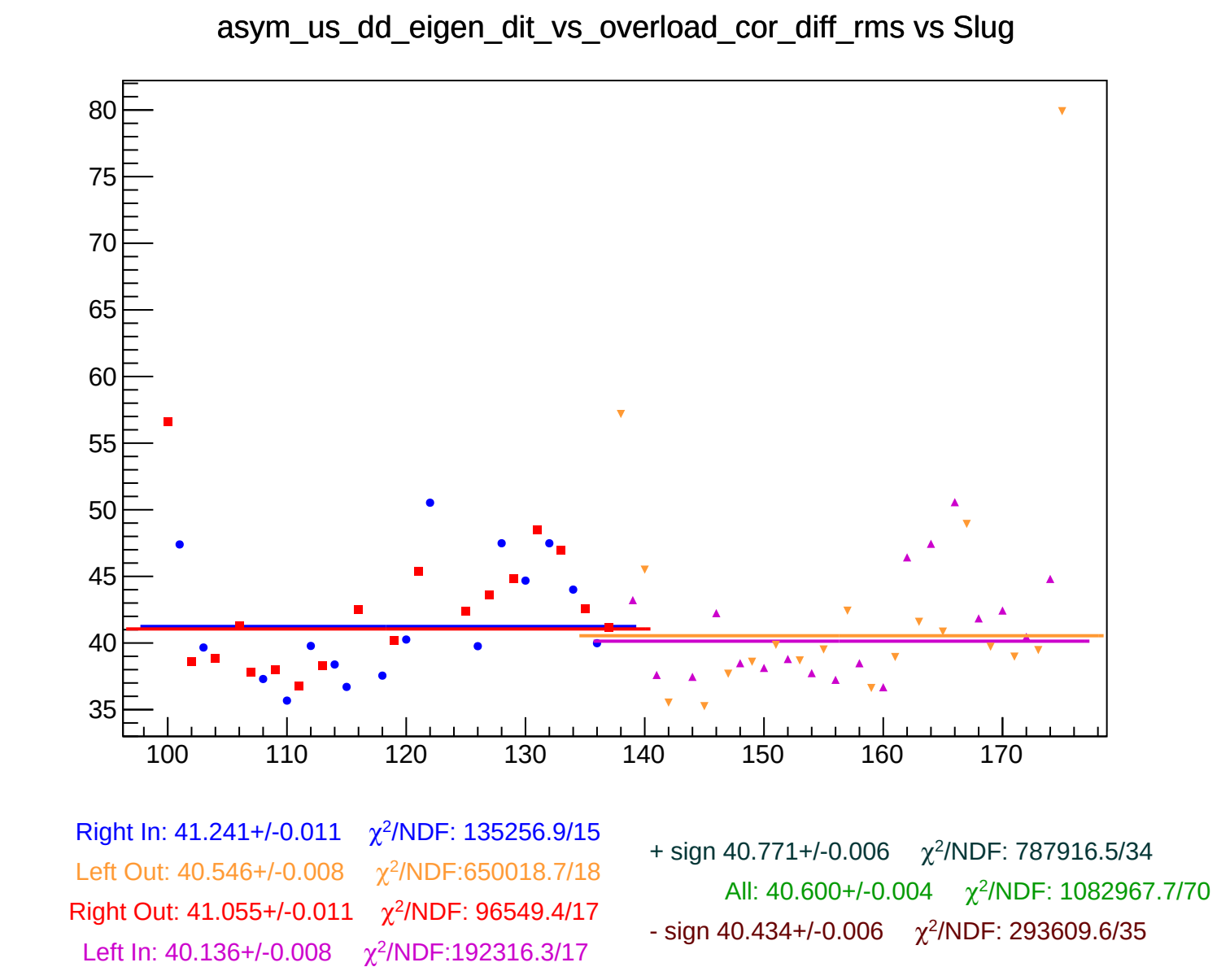
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: 0.006+/-0.011 χ^2/NDF:28.3/17

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

All: -0.003+/-0.006 χ^2/NDF: 69.6/70

- sign -0.003+/-0.009 χ^2/NDF: 46.1/35


asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug
80
75
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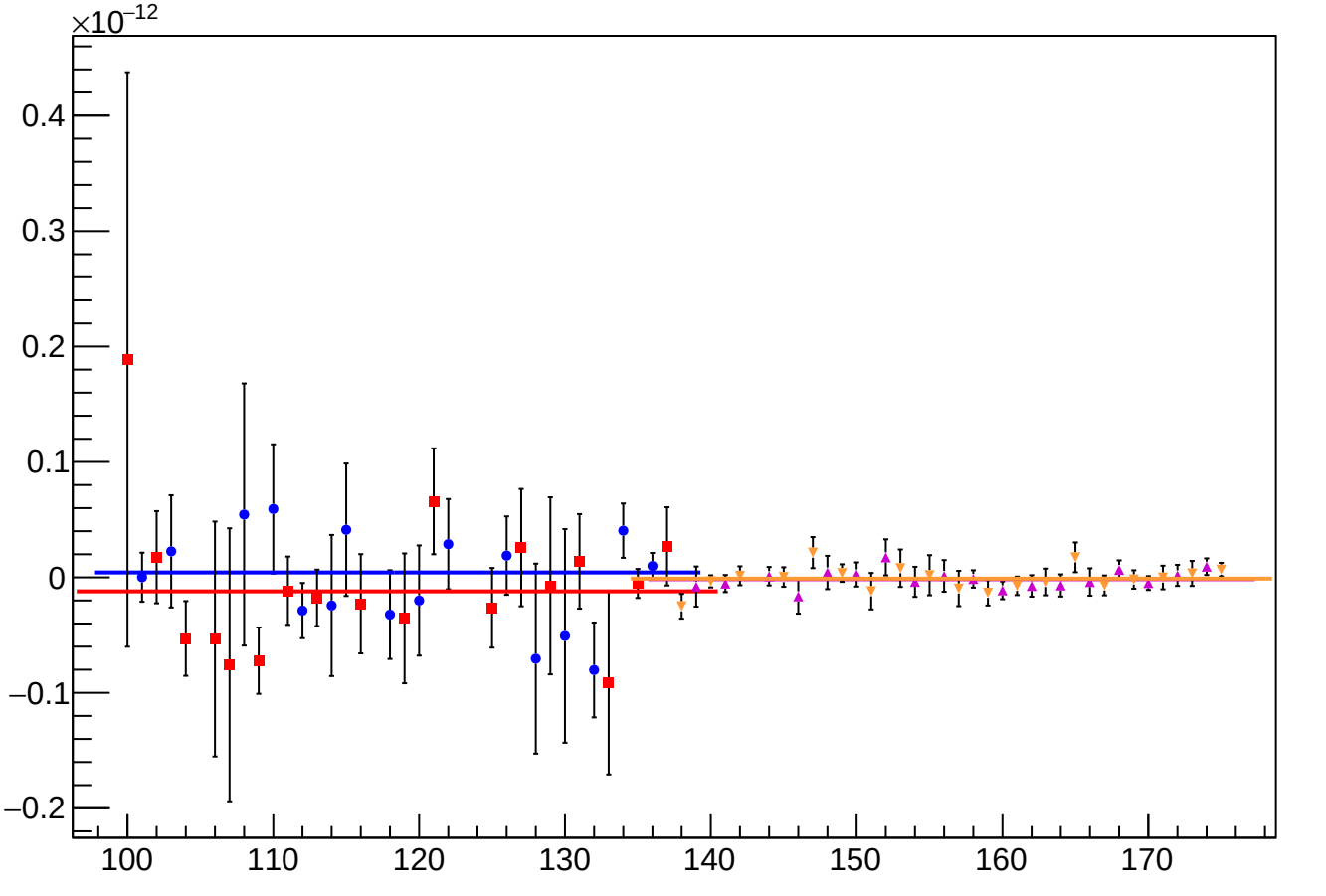
140
150
160
170
Right In: 41.241+/-0.011 χ²/NDF: 135256.9/15
Left Out: 40.546+/-0.008 χ²/NDF:650018.7/18
Right Out: 41.055+/-0.011 χ²/NDF: 96549.4/17
Left In: 40.136+/-0.008 χ²/NDF:192316.3/17
+ sign 40.771+/-0.006 χ²/NDF: 787916.5/34
All: 40.600+/-0.004 χ²/NDF: 1082967.7/70
- sign 40.434+/-0.006 χ²/NDF: 293609.6/35



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

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

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

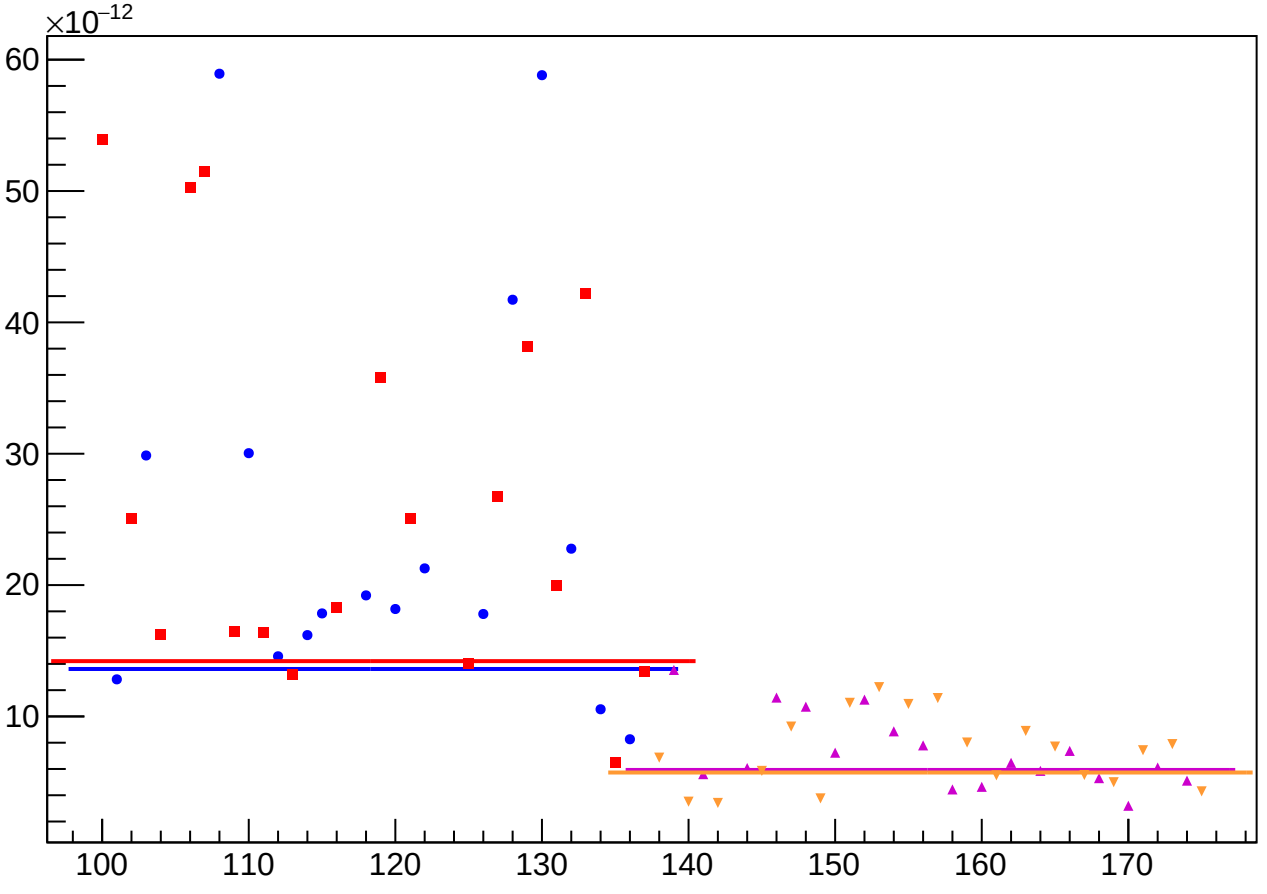
Left In: -0.000+/-0.000 χ^2/NDF:9.3/17

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

All: -0.000+/-0.000 χ^2/NDF: 56.0/70

- sign -0.000+/-0.000 χ^2/NDF: 25.5/35

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

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

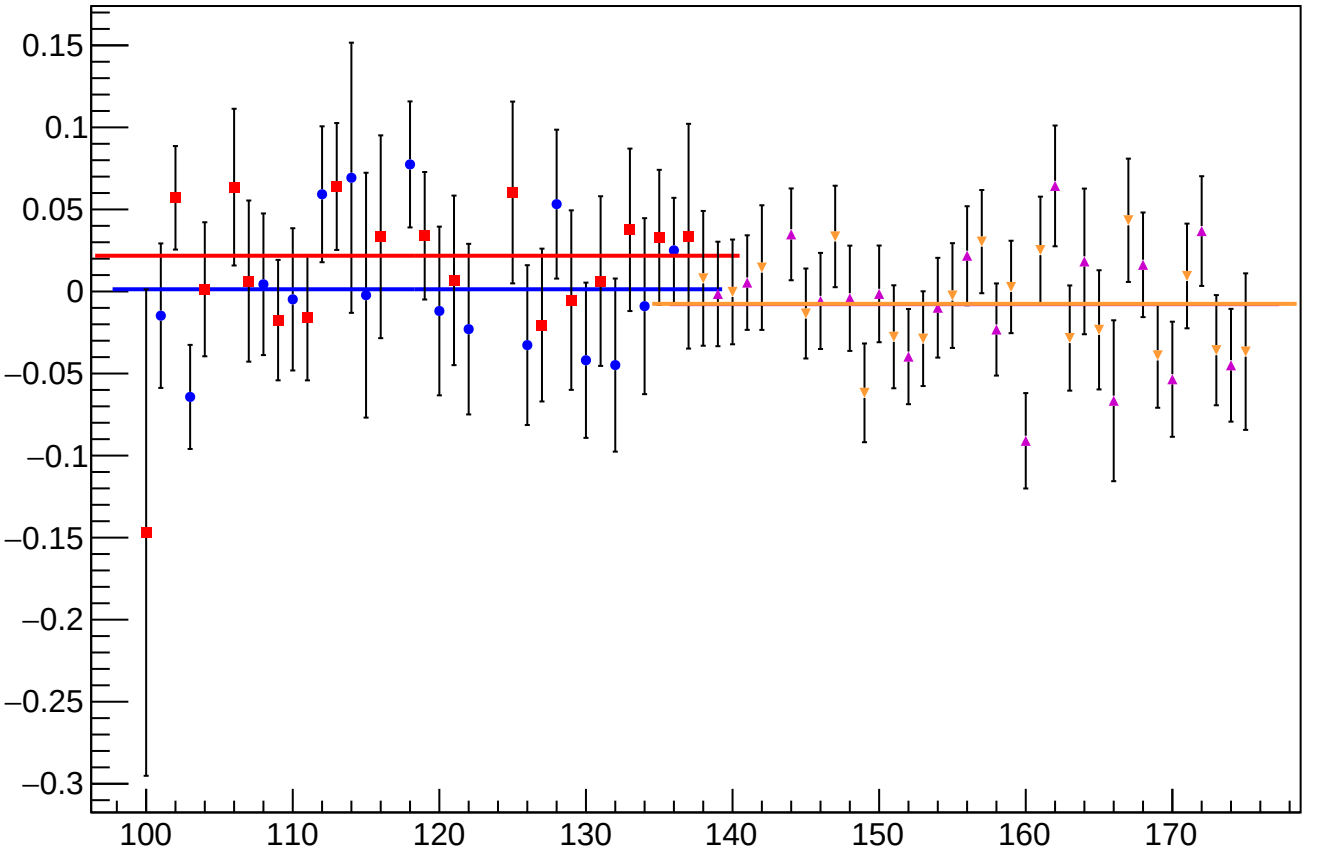
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1904640.6/17

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

All: 0.000+/-0.000 χ^2/NDF: 13144345.9/70

- sign 0.000+/-0.000 χ^2/NDF: 6472768.2/35



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

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

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

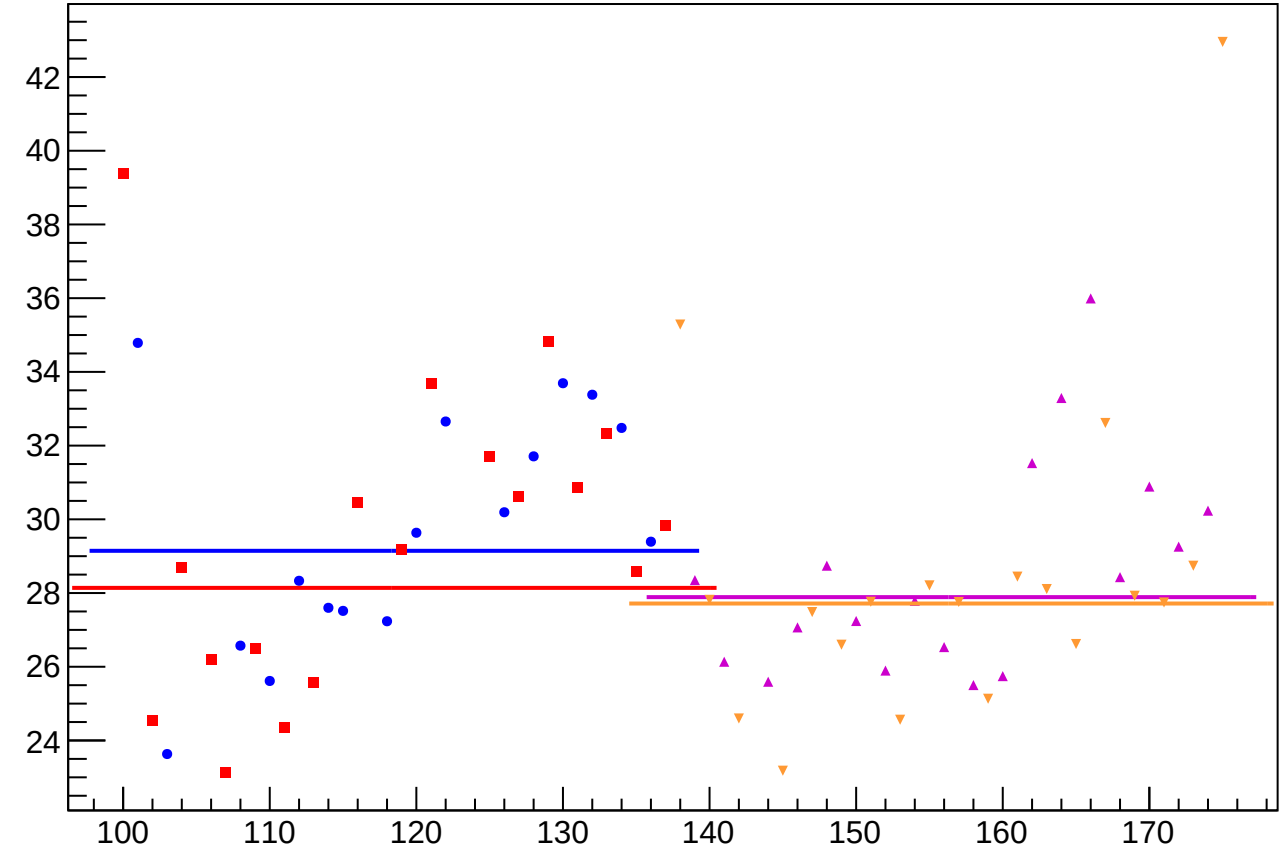
Left In: -0.008+/-0.007 χ^2/NDF:24.1/17

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

All: -0.001+/-0.004 χ^2/NDF: 68.5/70

- sign 0.002+/-0.006 χ^2/NDF: 38.2/35

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



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

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

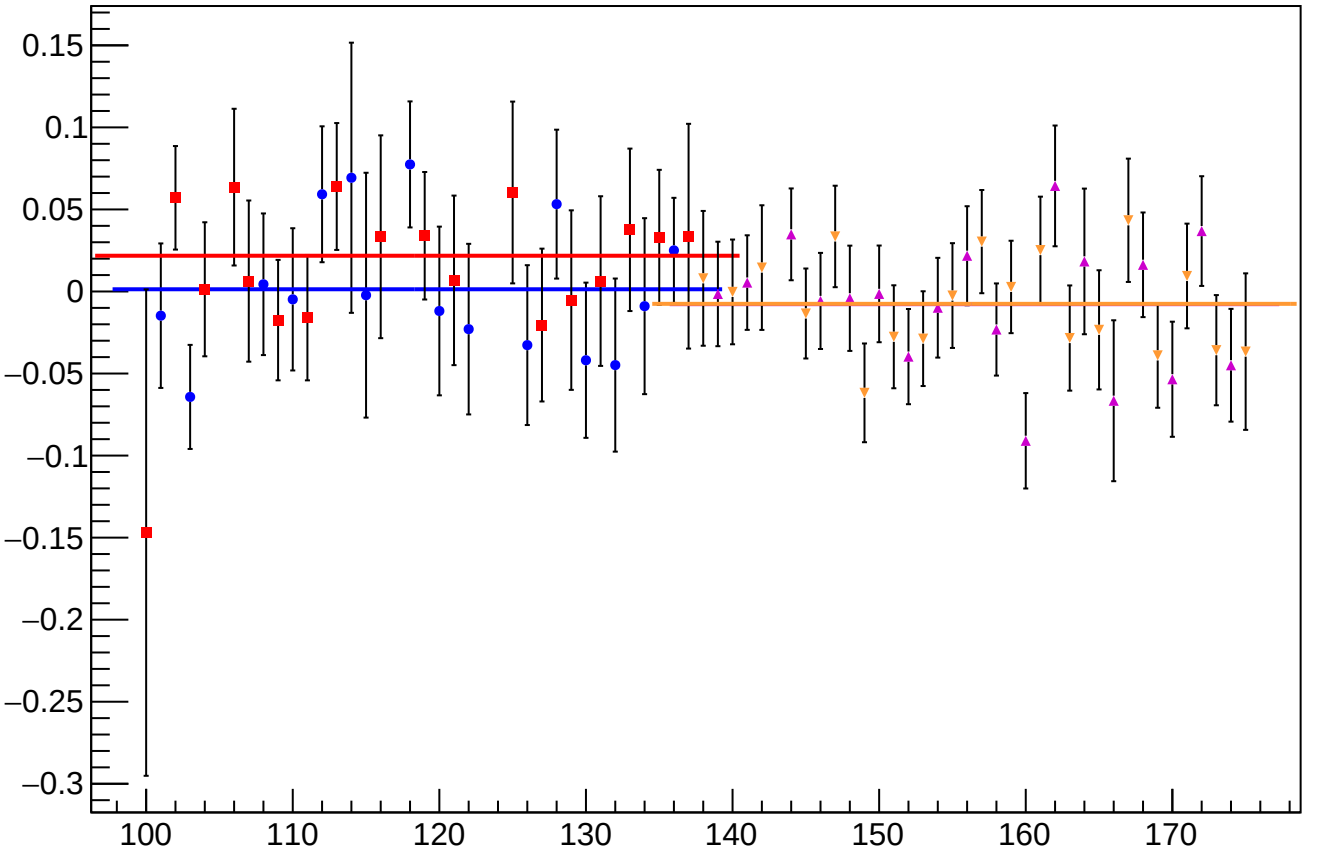
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 27.889+/-0.005 χ^2/NDF:195726.5/17

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

All: 28.062+/-0.003 χ^2/NDF: 1007317.6/70

- sign 27.971+/-0.004 χ^2/NDF: 383561.1/35



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

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

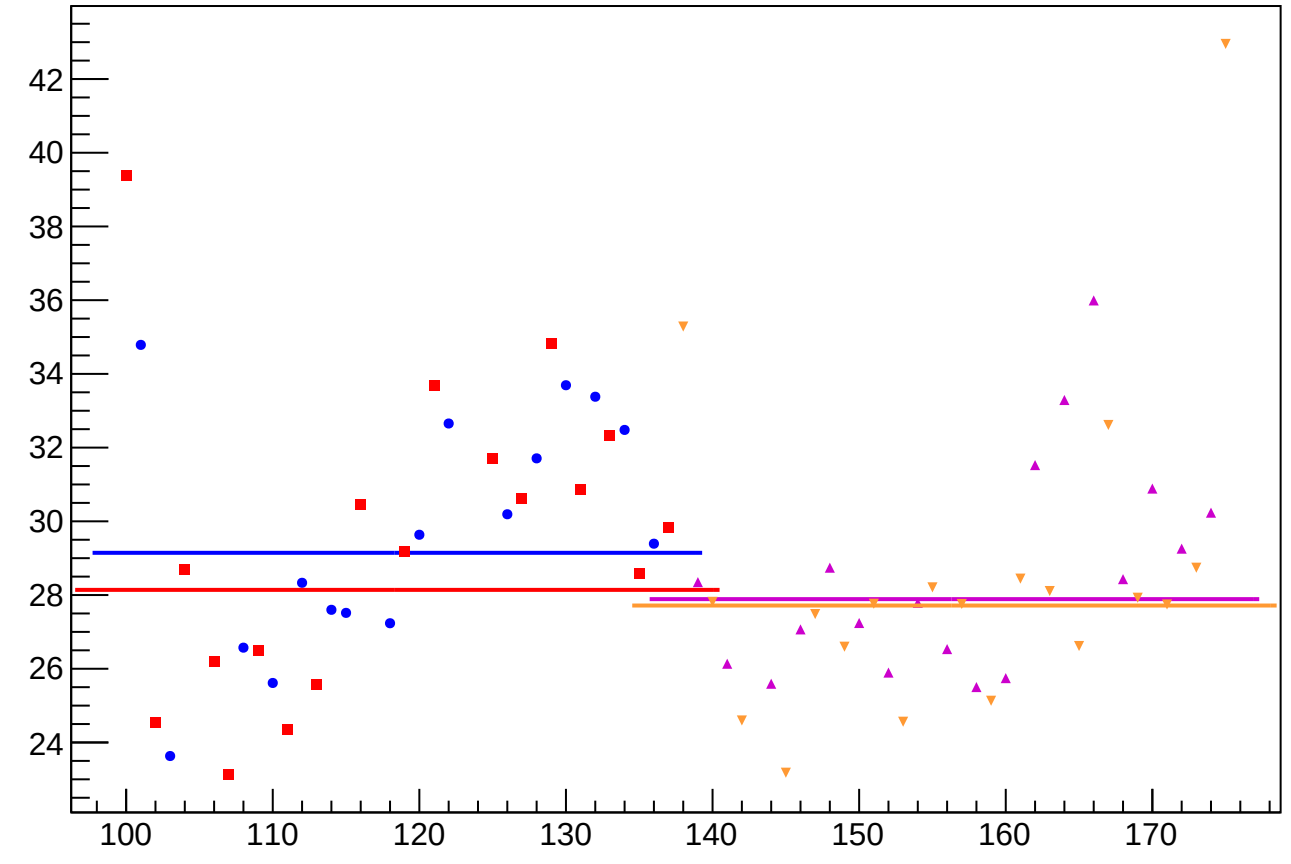
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.008+/-0.007 χ^2/NDF:24.1/17

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

All: -0.001+/-0.004 χ^2/NDF: 68.5/70

- sign 0.002+/-0.006 χ^2/NDF: 38.2/35



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

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

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

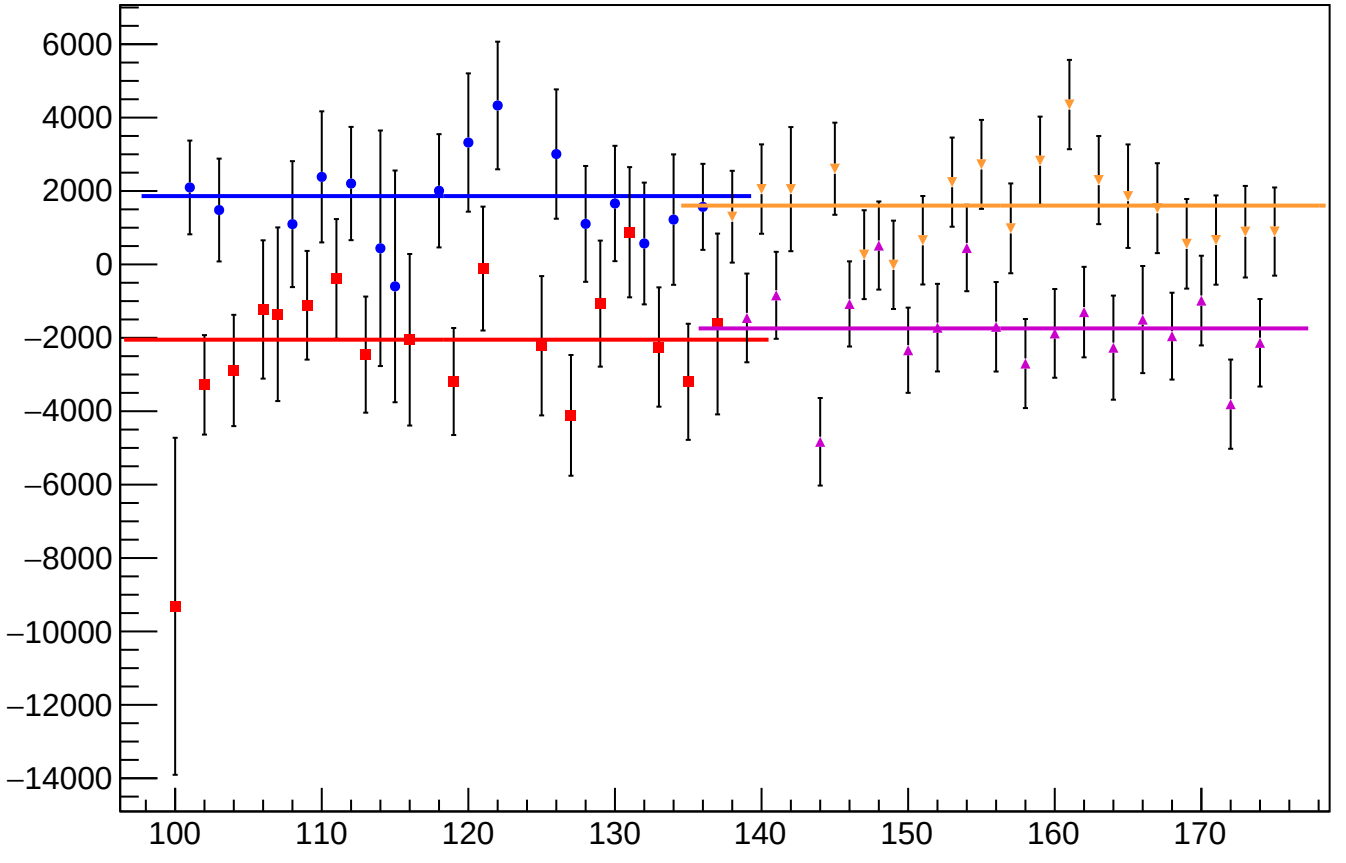
Left In: 27.889+/-0.005 χ^2/NDF:195726.5/17

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

All: 28.062+/-0.003 χ^2/NDF: 1007317.6/70

- sign 27.971+/-0.004 χ^2/NDF: 383561.1/35

reg_asym_usl_mean vs Slug



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

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

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

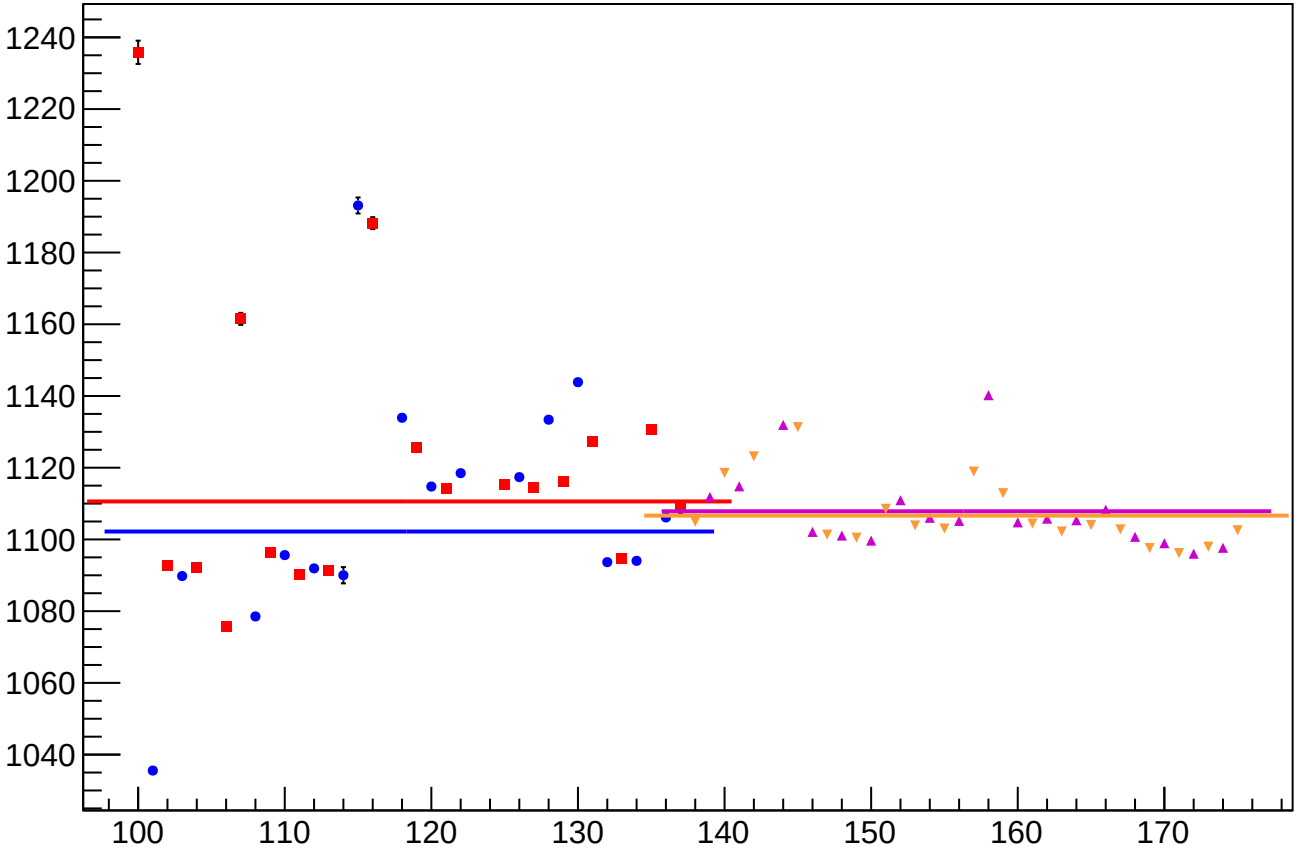
Left In: -1743.586+/-287.188 χ^2/NDF:19.3/17

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

All: -70.878+/-165.851 χ^2/NDF: 165.6/70

- sign -1844.968+/-235.081 χ^2/NDF: 32.2/35

reg_asym_usl_rms vs Slug



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

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

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

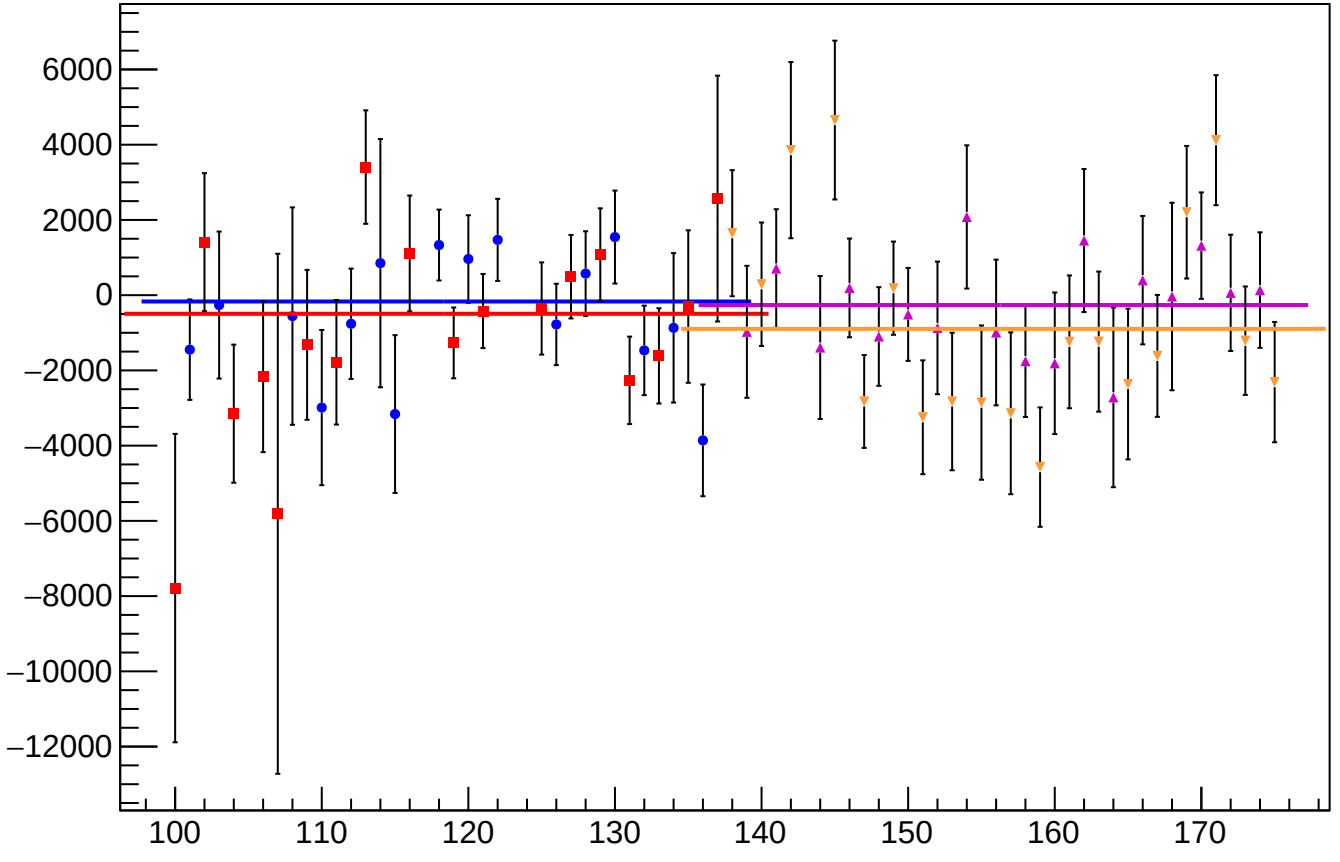
Left In: 1107.848+/-0.203 χ^2/NDF:3107.1/17

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

All: 1106.966+/-0.117 χ^2/NDF: 24575.7/70

- sign 1108.753+/-0.166 χ^2/NDF: 10863.4/35

asym_usl_reg_correction_mean vs Slug



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

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

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

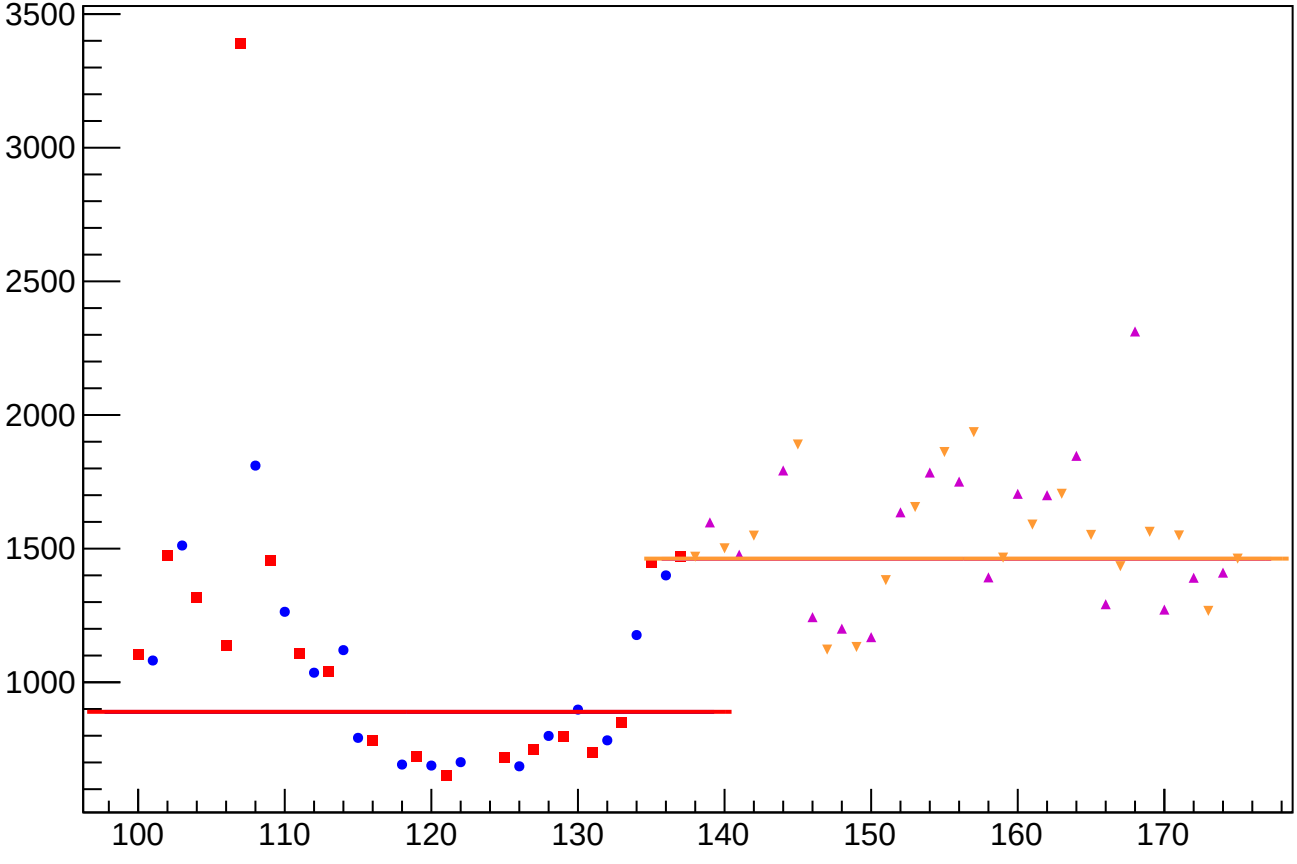
Left In: -261.860+/-385.775 χ^2/NDF:8.3/17

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

All: -442.470+/-181.683 χ^2/NDF: 96.0/70

- sign -391.476+/-257.186 χ^2/NDF: 31.8/35

asym_usl_reg_correction_rms vs Slug



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

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

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

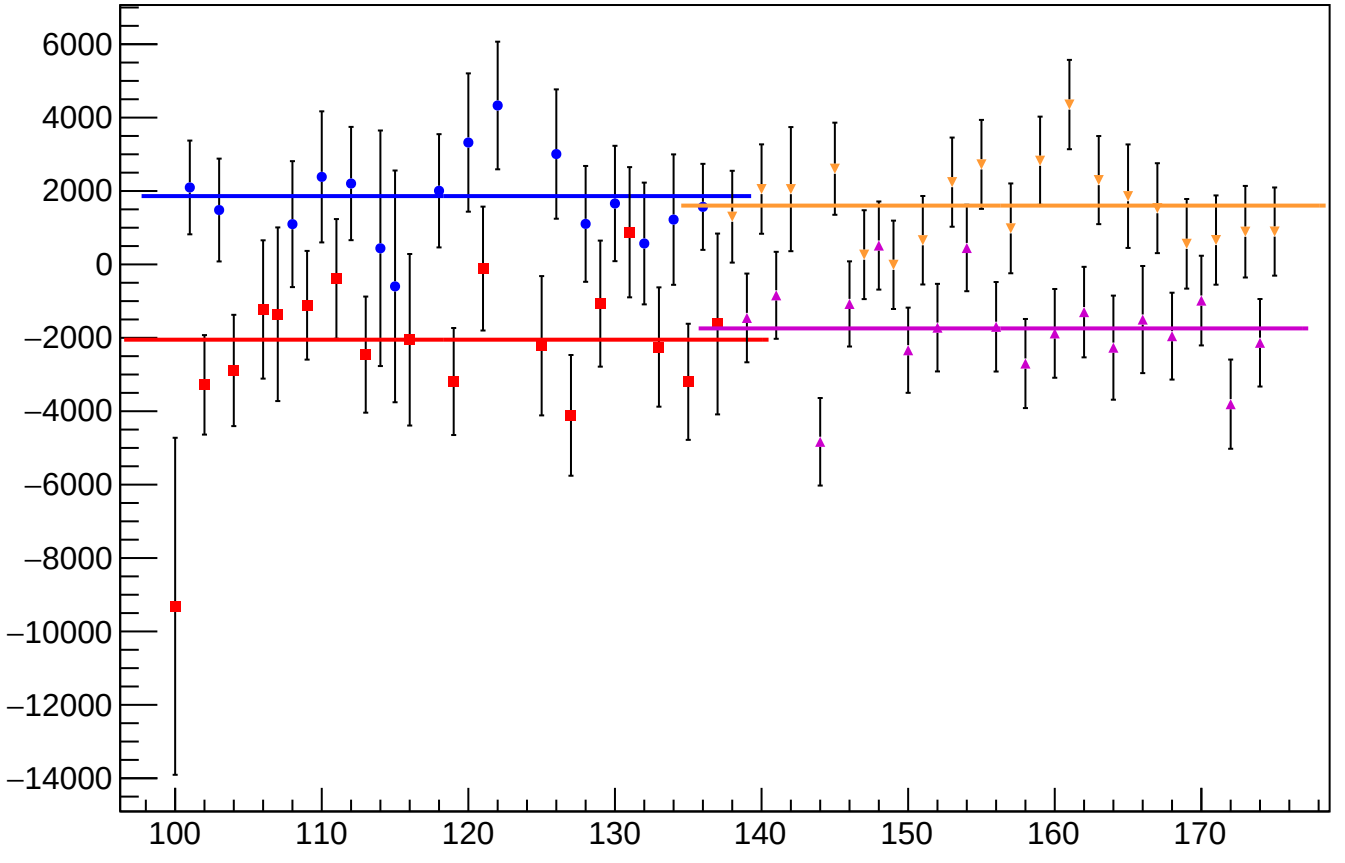
Left In: 1461.383+/-0.273 χ^2/NDF:857750.8/17

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

All: 1144.764+/-0.128 χ^2/NDF: 8926046.0/70

- sign 1143.663+/-0.182 χ^2/NDF: 4645412.8/35

cor_asym_usl_mean vs Slug



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

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

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

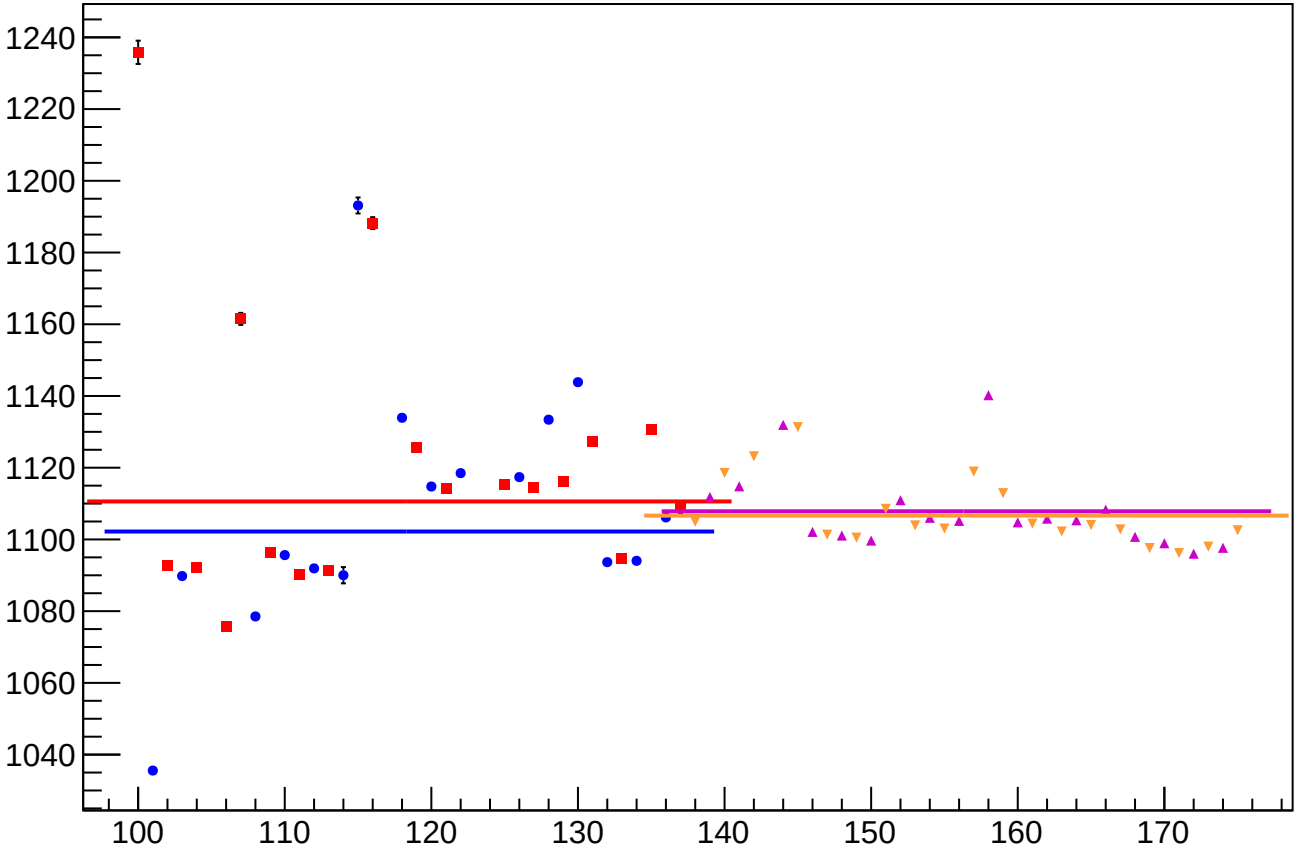
Left In: -1743.586+/-287.188 χ^2/NDF:19.3/17

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

All: -70.878+/-165.851 χ^2/NDF: 165.6/70

- sign -1844.968+/-235.081 χ^2/NDF: 32.2/35

cor_asym_usl_rms vs Slug



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

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

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

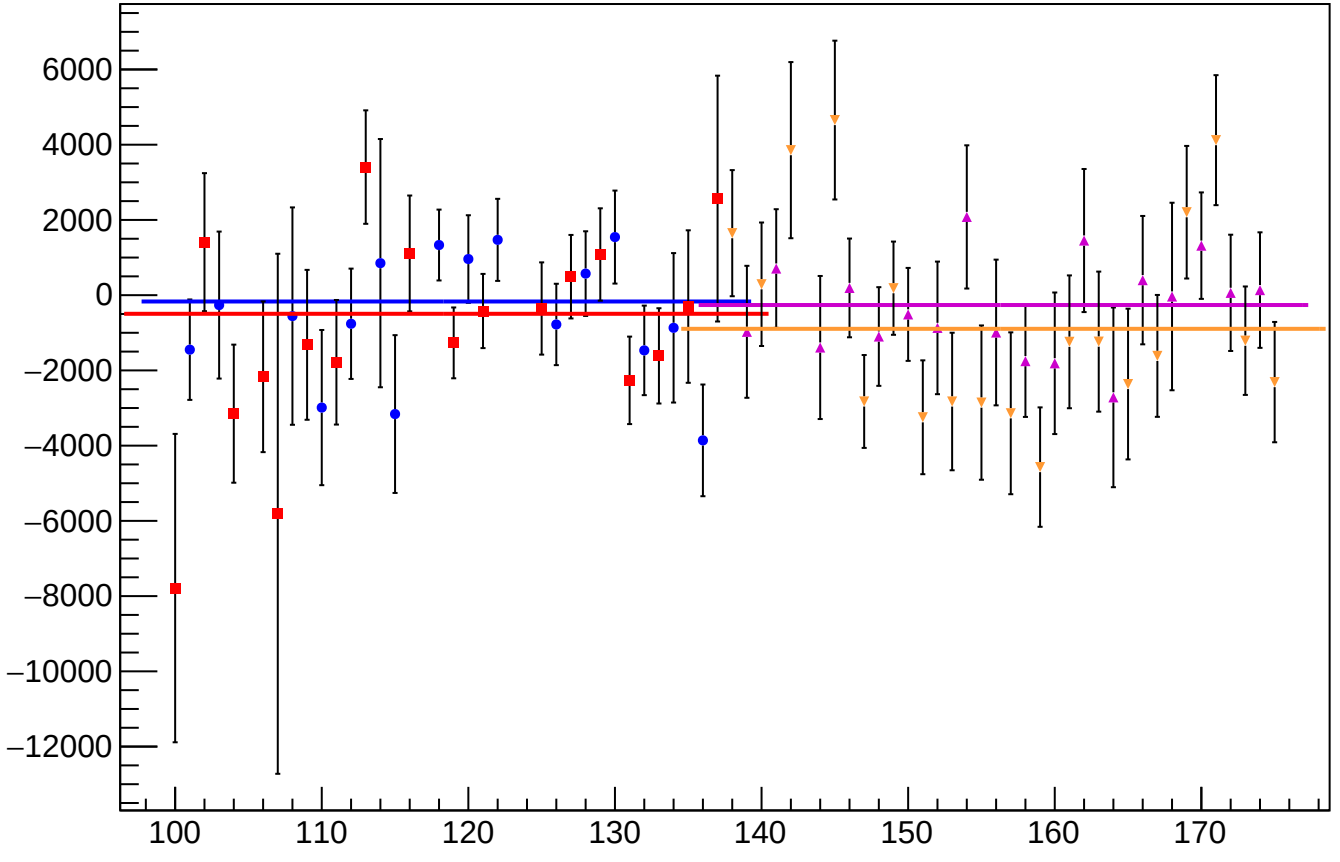
Left In: 1107.848+/-0.203 χ^2/NDF:3107.1/17

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

All: 1106.966+/-0.117 χ^2/NDF: 24575.7/70

- sign 1108.753+/-0.166 χ^2/NDF: 10863.4/35

asym_usl_cor_correction_mean vs Slug



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

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

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

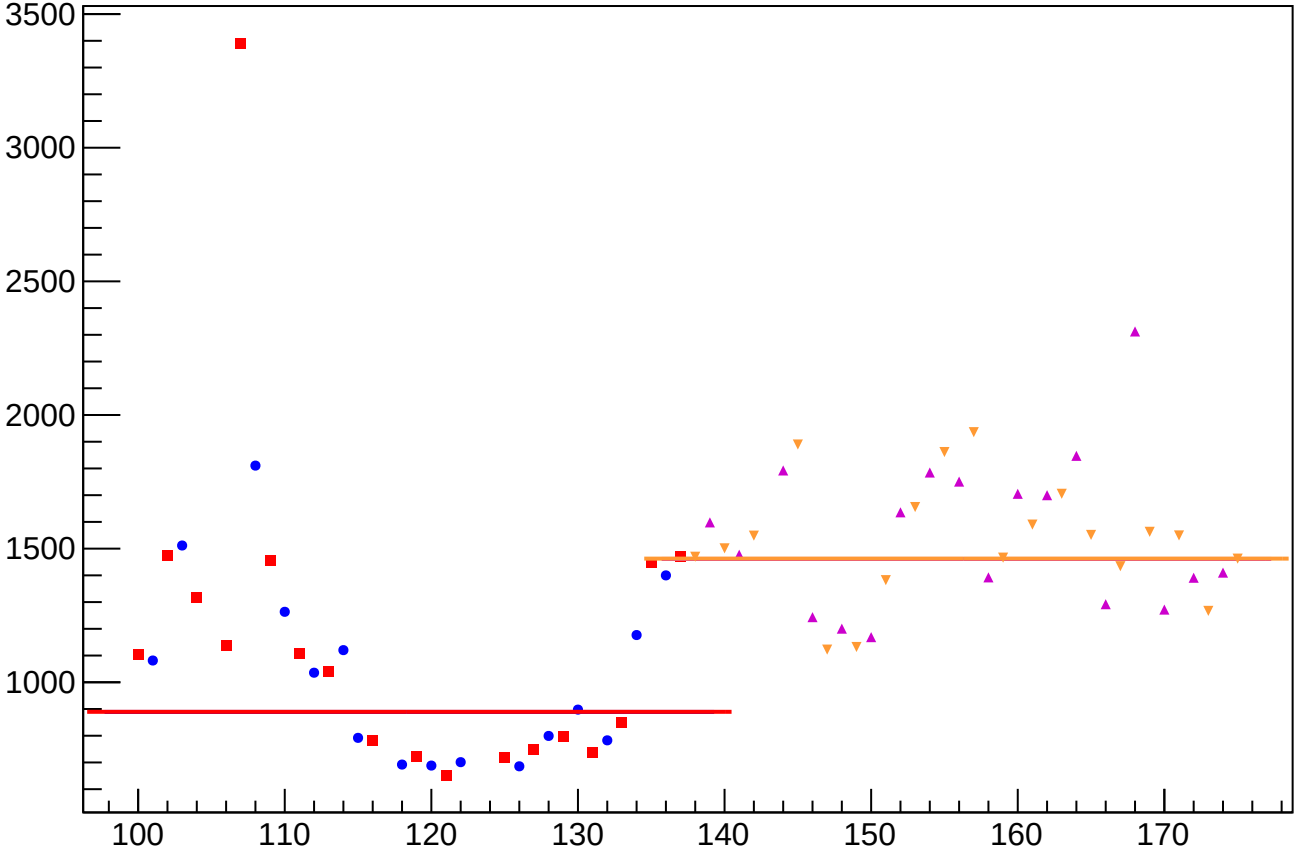
Left In: -261.860+/-385.775 χ^2/NDF:8.3/17

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

All: -442.470+/-181.683 χ^2/NDF: 96.0/70

- sign -391.476+/-257.186 χ^2/NDF: 31.8/35

asym_usl_cor_correction_rms vs Slug



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

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

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

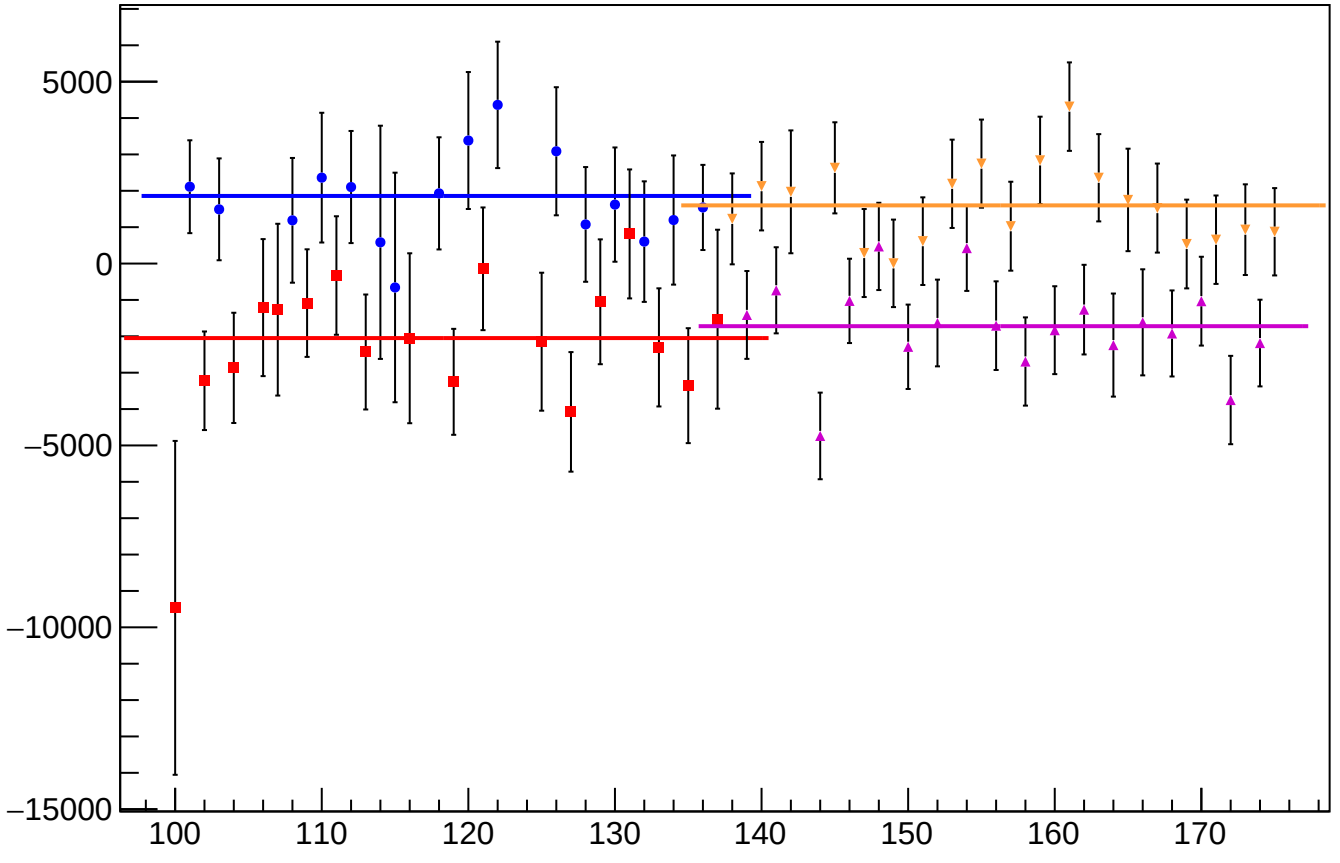
Left In: 1461.383+/-0.273 χ^2/NDF:857750.8/17

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

All: 1144.764+/-0.128 χ^2/NDF: 8926046.0/70

- sign 1143.663+/-0.182 χ^2/NDF: 4645412.8/35

overload_cor_asym_usl_mean vs Slug



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

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

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

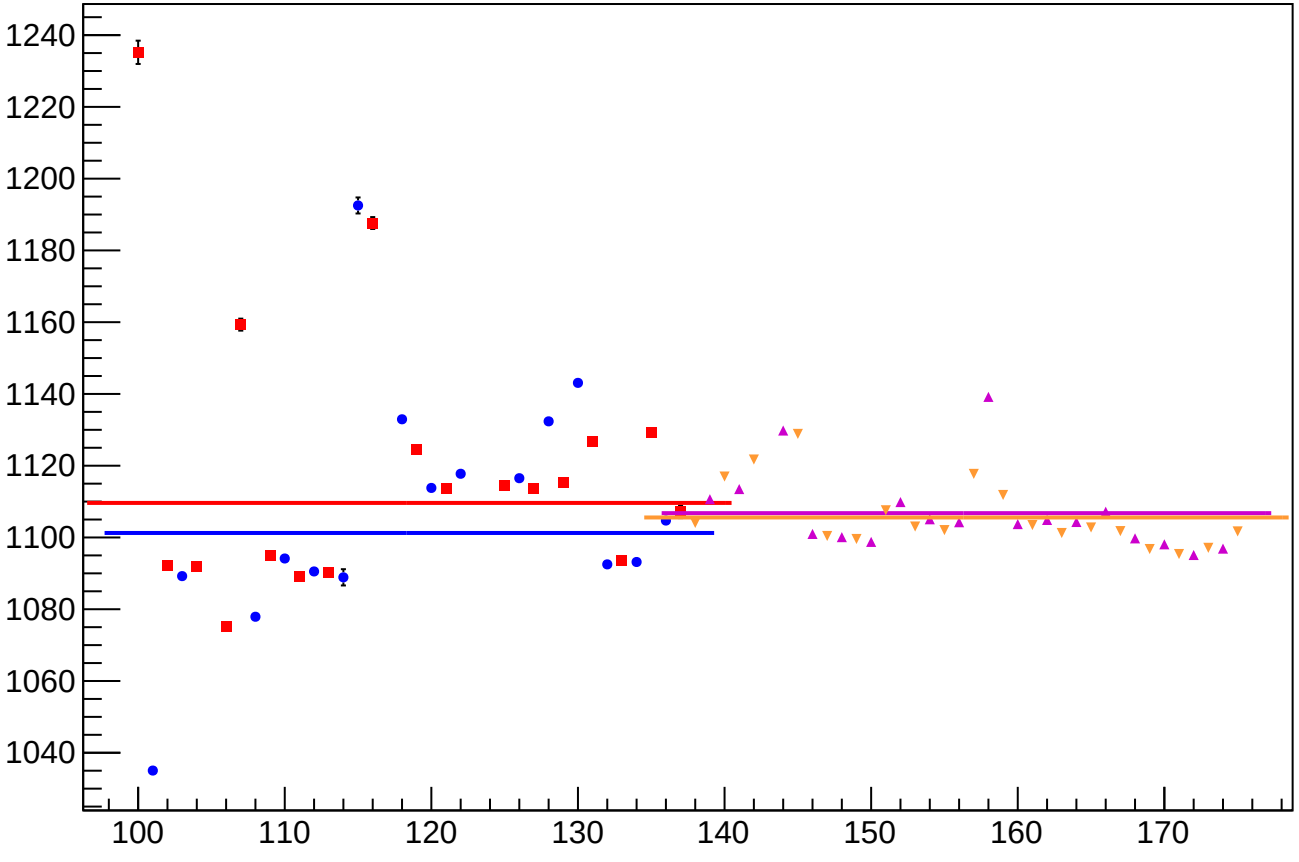
Left In: -1721.609+/-286.910 χ^2/NDF:18.7/17

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

All: -64.874+/-165.696 χ^2/NDF: 164.4/70

- sign -1829.512+/-234.861 χ^2/NDF: 31.8/35

overload_cor_asym_usl_rms vs Slug



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

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

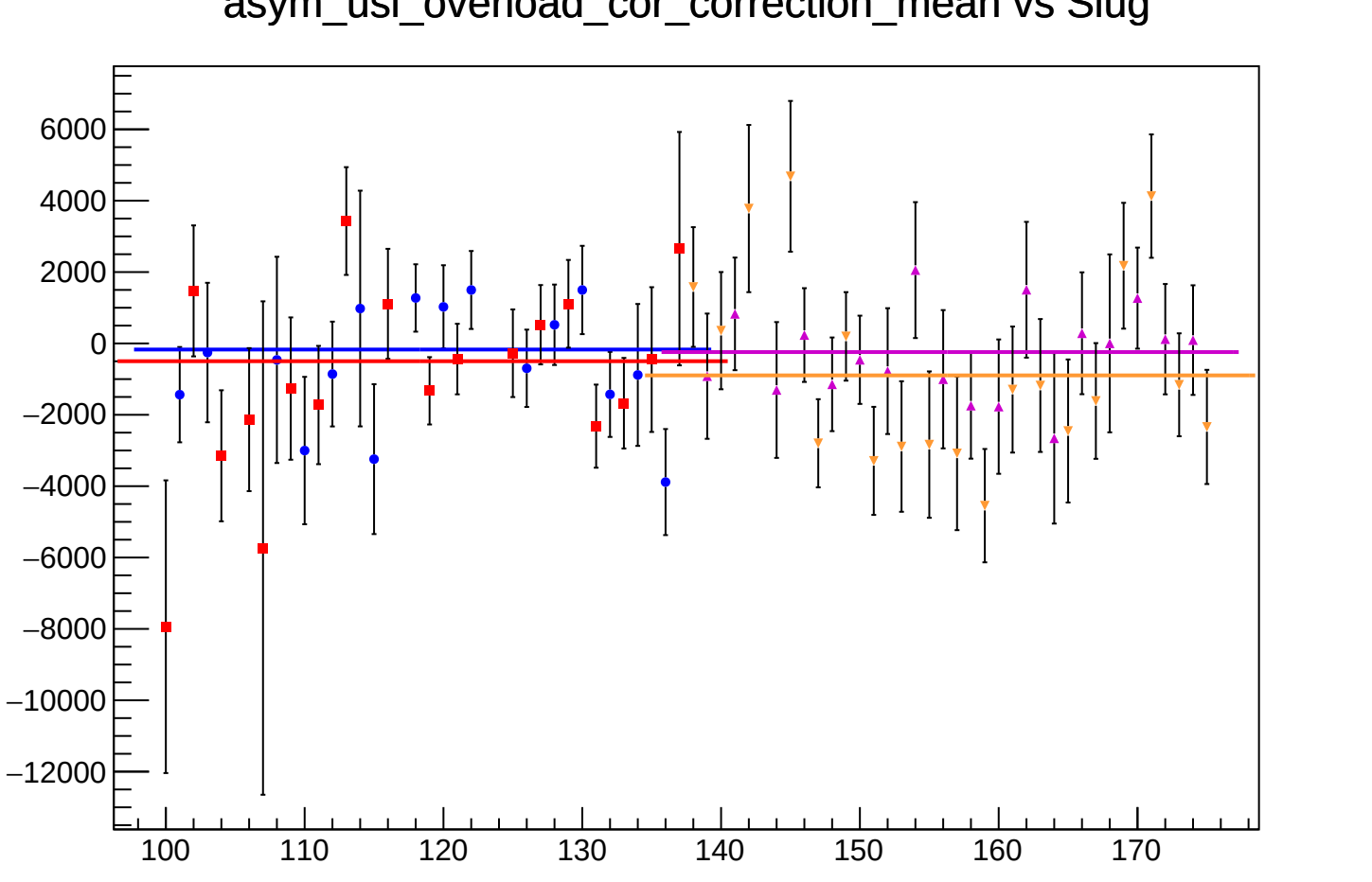
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1106.777+/-0.203 χ^2/NDF:3012.5/17

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

All: 1105.932+/-0.117 χ^2/NDF: 24278.5/70

\- sign 1107.718+/-0.166 χ^2/NDF: 10750.8/35



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

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

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

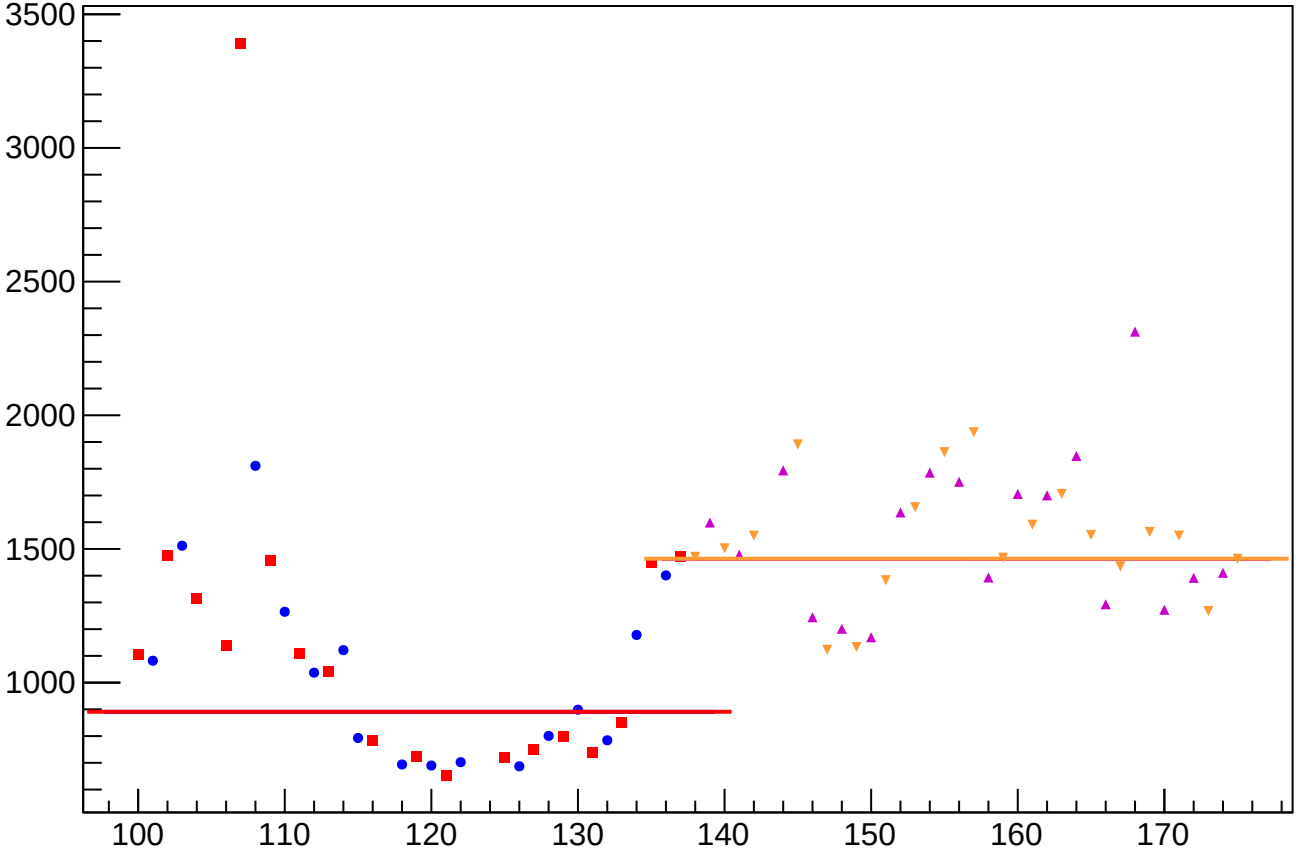
Left In: -242.181+/-385.997 χ^2/NDF:8.2/17

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

All: -440.054+/-181.883 χ^2/NDF: 96.3/70

- sign -384.162+/-257.463 χ^2/NDF: 32.3/35

asym_usl_overload_cor_correction_rms vs Slug



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

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

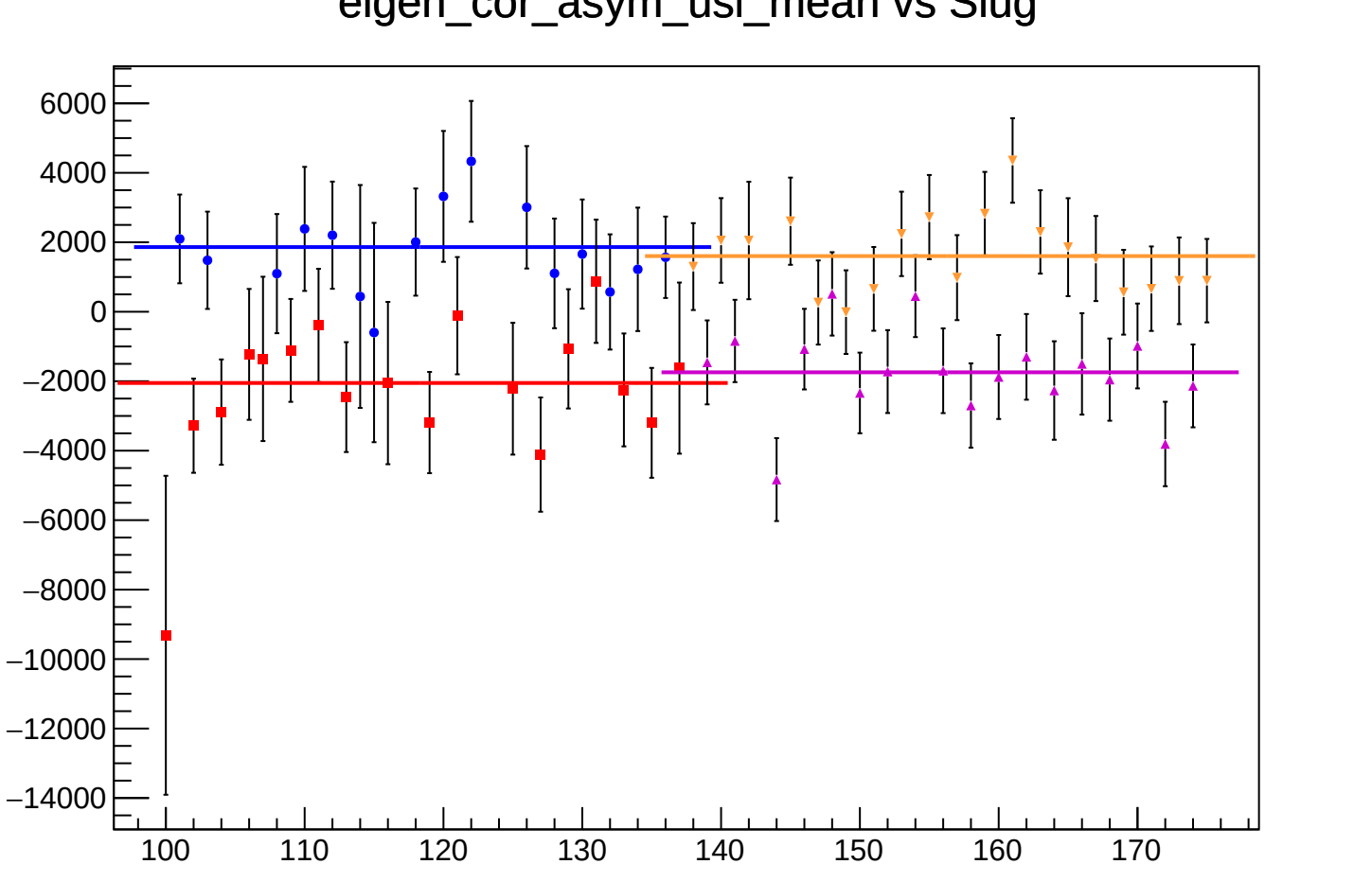
Right Out: 890.938+/-0.244 χ^2/NDF: 1341804.2/17

Left In: 1462.263+/-0.273 χ^2/NDF:856495.1/17

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

All: 1146.253+/-0.129 χ^2/NDF: 8895343.7/70

- sign 1145.121+/-0.182 χ^2/NDF: 4630497.8/35



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

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

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

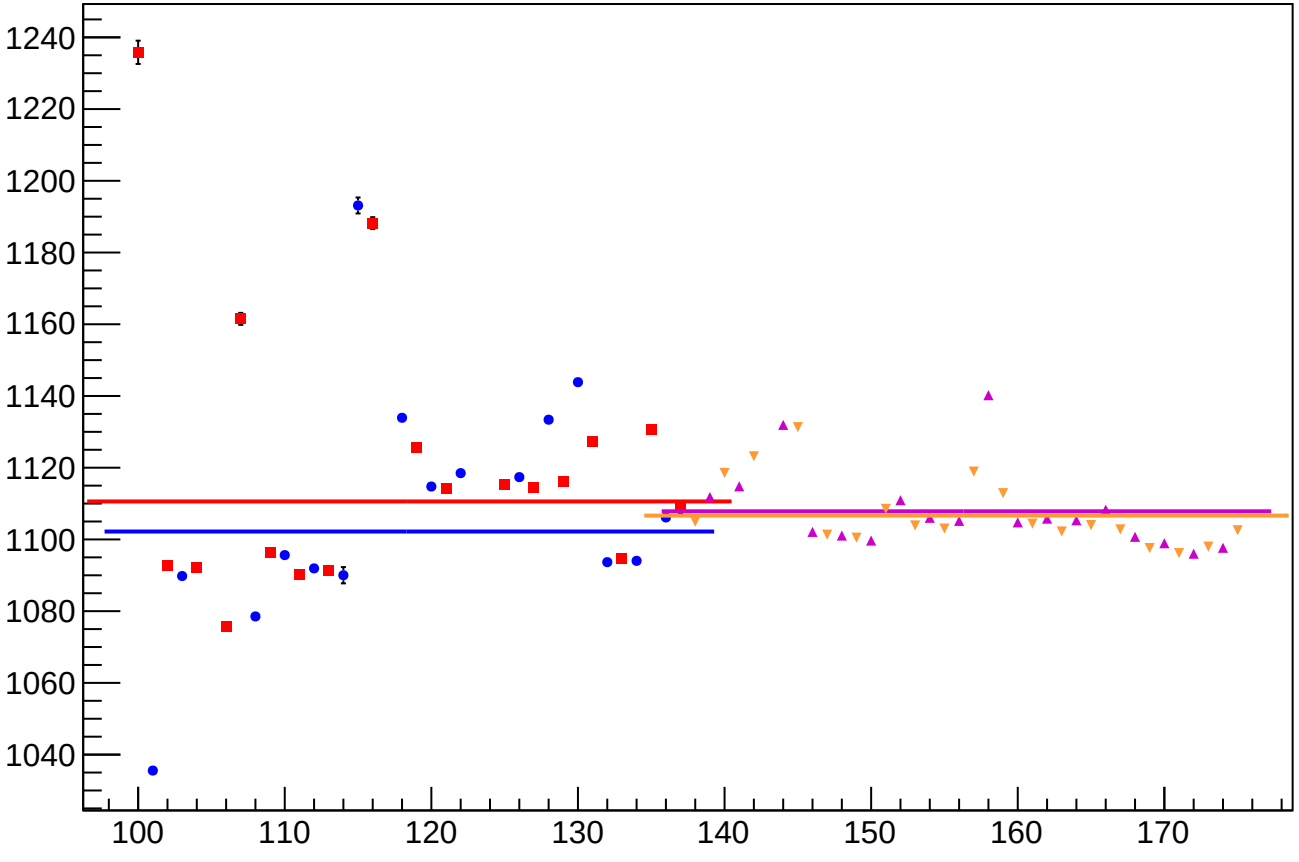
Left In: -1743.586+/-287.188 χ^2/NDF:19.3/17

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

All: -70.878+/-165.851 χ^2/NDF: 165.6/70

- sign -1844.968+/-235.081 χ^2/NDF: 32.2/35

eigen_cor_asym_usl_rms vs Slug



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

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

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

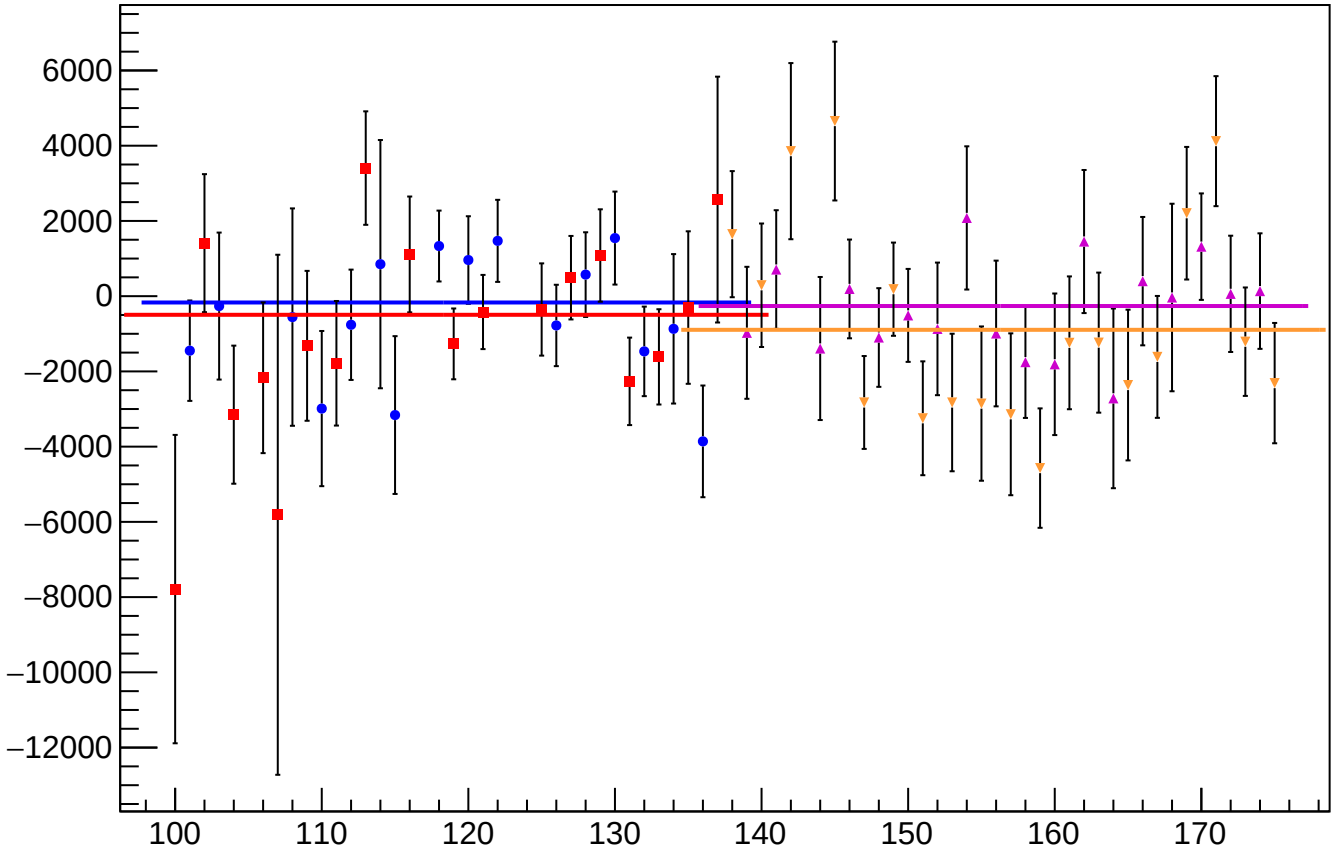
Left In: 1107.848+/-0.203 χ^2/NDF:3107.1/17

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

All: 1106.966+/-0.117 χ^2/NDF: 24575.7/70

- sign 1108.753+/-0.166 χ^2/NDF: 10863.4/35

asym_usl_eigen_cor_correction_mean vs Slug



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

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

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

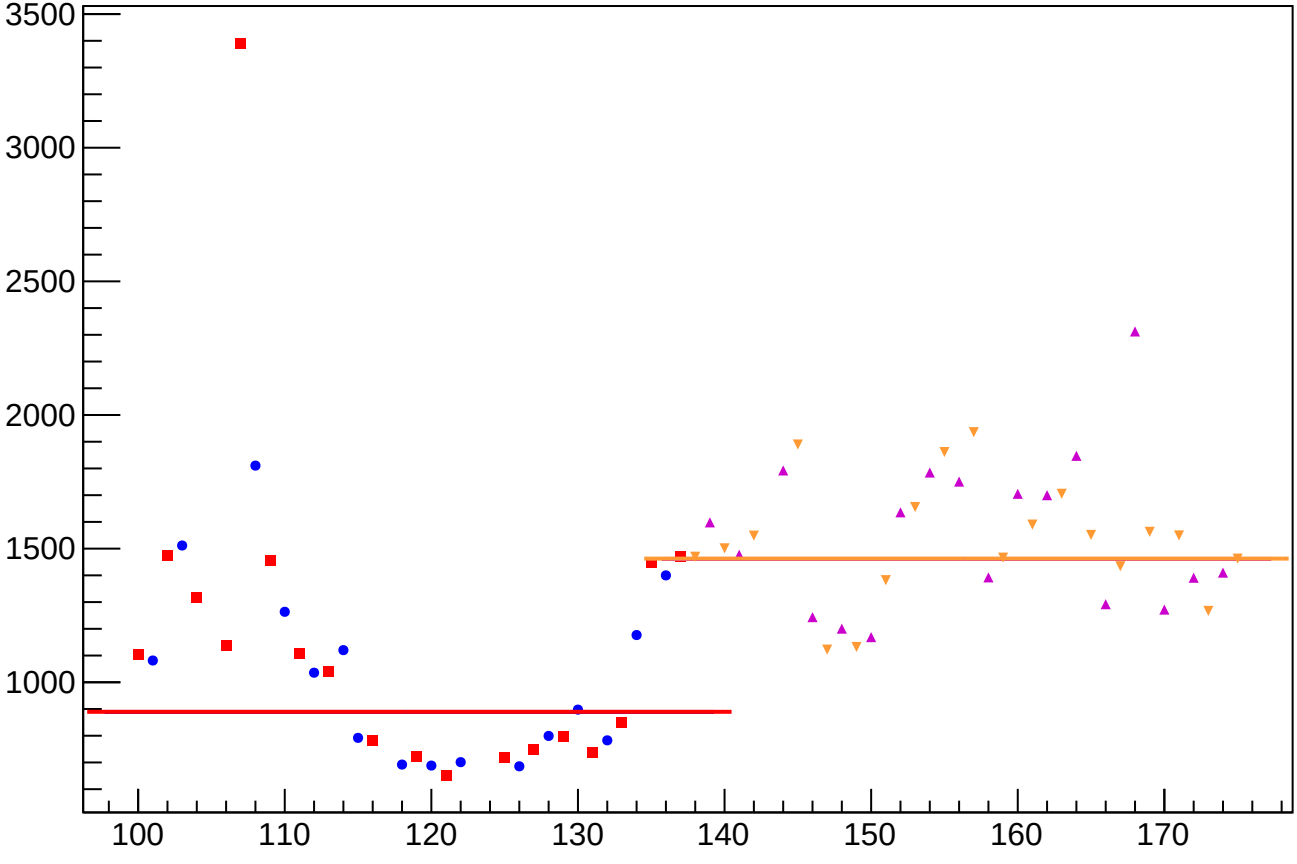
Left In: -261.860+/-385.775 χ^2/NDF:8.3/17

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

All: -442.470+/-181.683 χ^2/NDF: 96.0/70

- sign -391.476+/-257.186 χ^2/NDF: 31.8/35

asym_usl_eigen_cor_correction_rms vs Slug



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

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

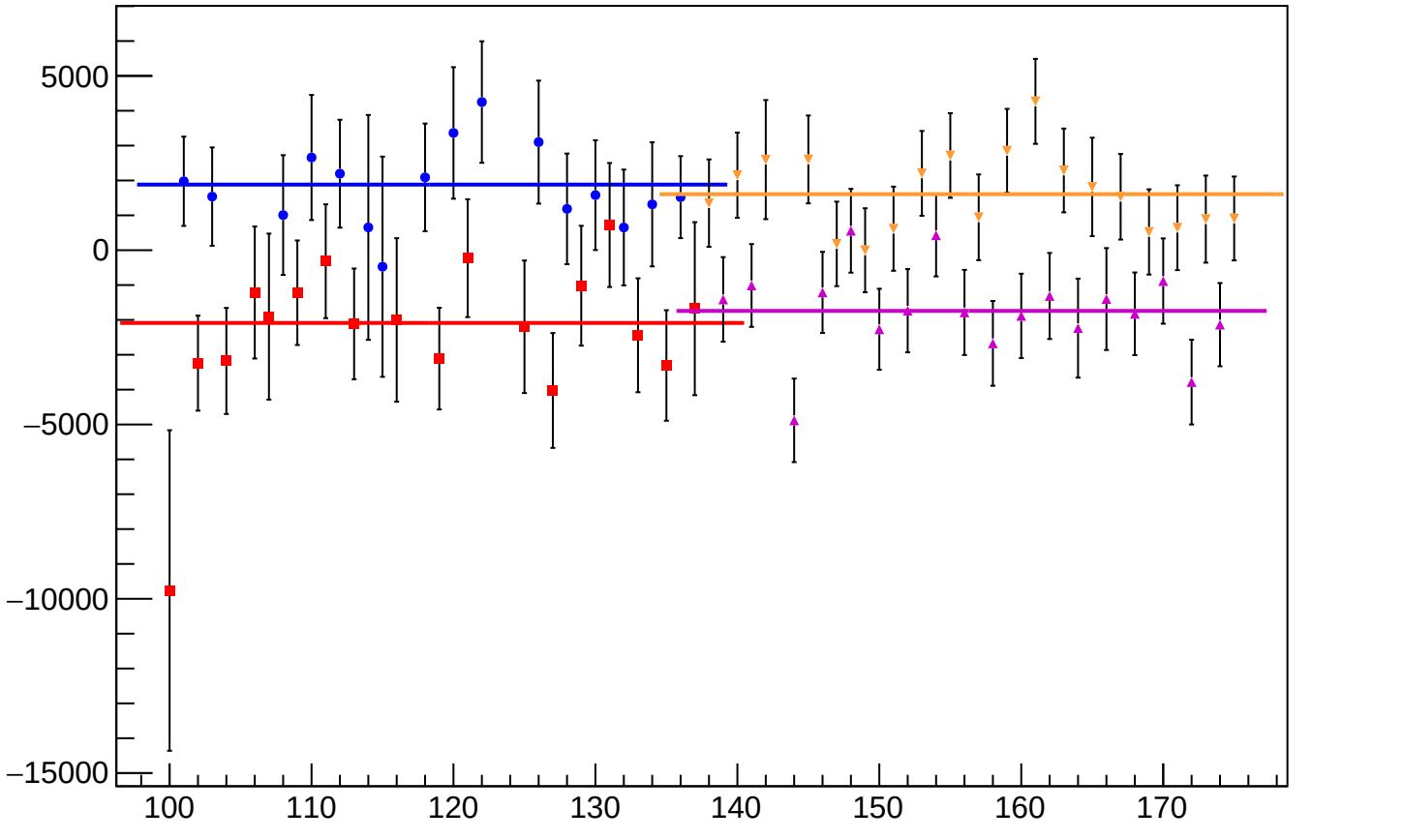
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1461.383+/-0.273 χ^2/NDF:857750.8/17

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

All: 1144.764+/-0.128 χ^2/NDF: 8926046.0/70

- sign 1143.663+/-0.182 χ^2/NDF: 4645412.8/35



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

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

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

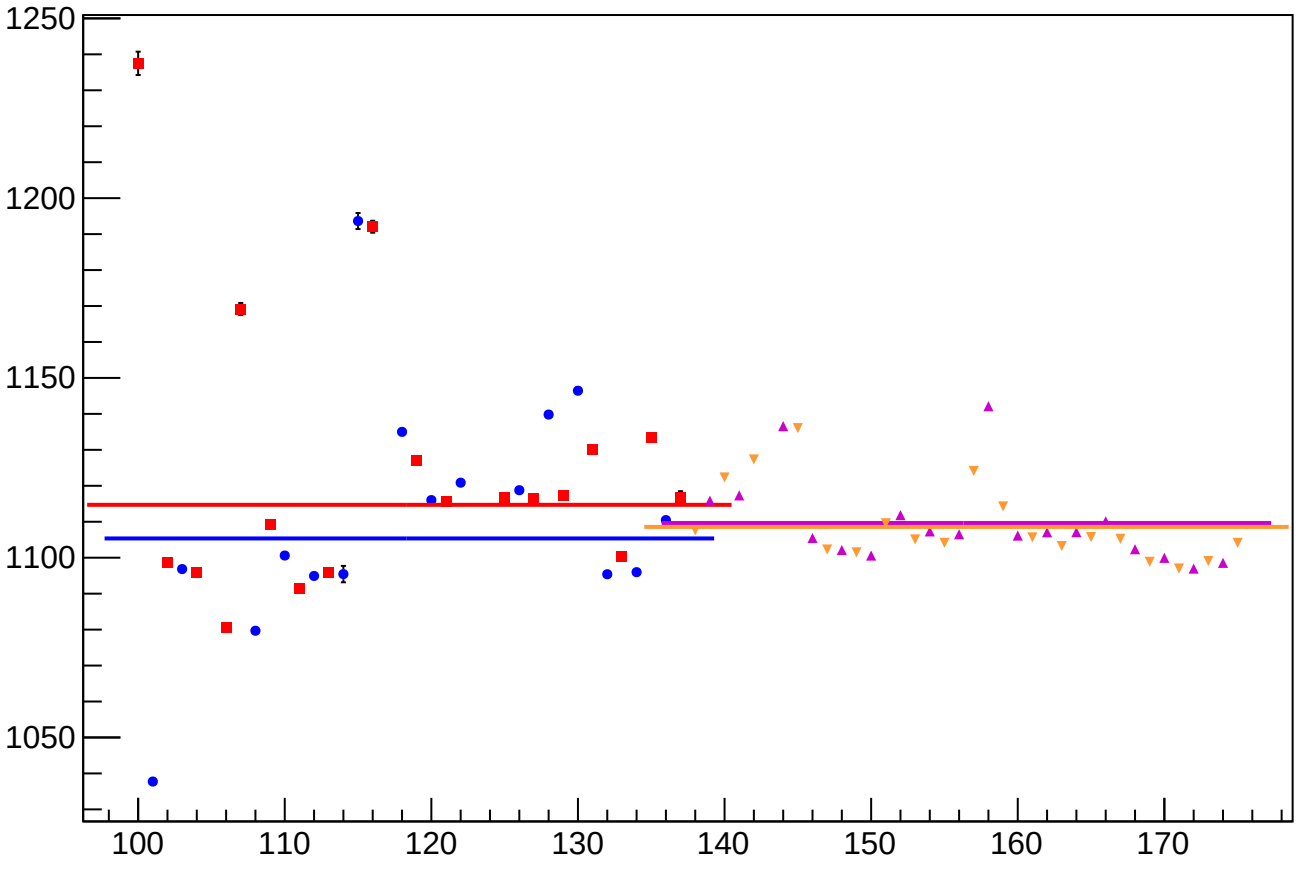
Left In: -1741.099+/-287.663 χ^2/NDF:19.1/17

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

All: -71.234+/-166.231 χ^2/NDF: 166.2/70

- sign -1854.874+/-235.632 χ^2/NDF: 32.0/35

dit_asym_usl_rms vs Slug



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

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

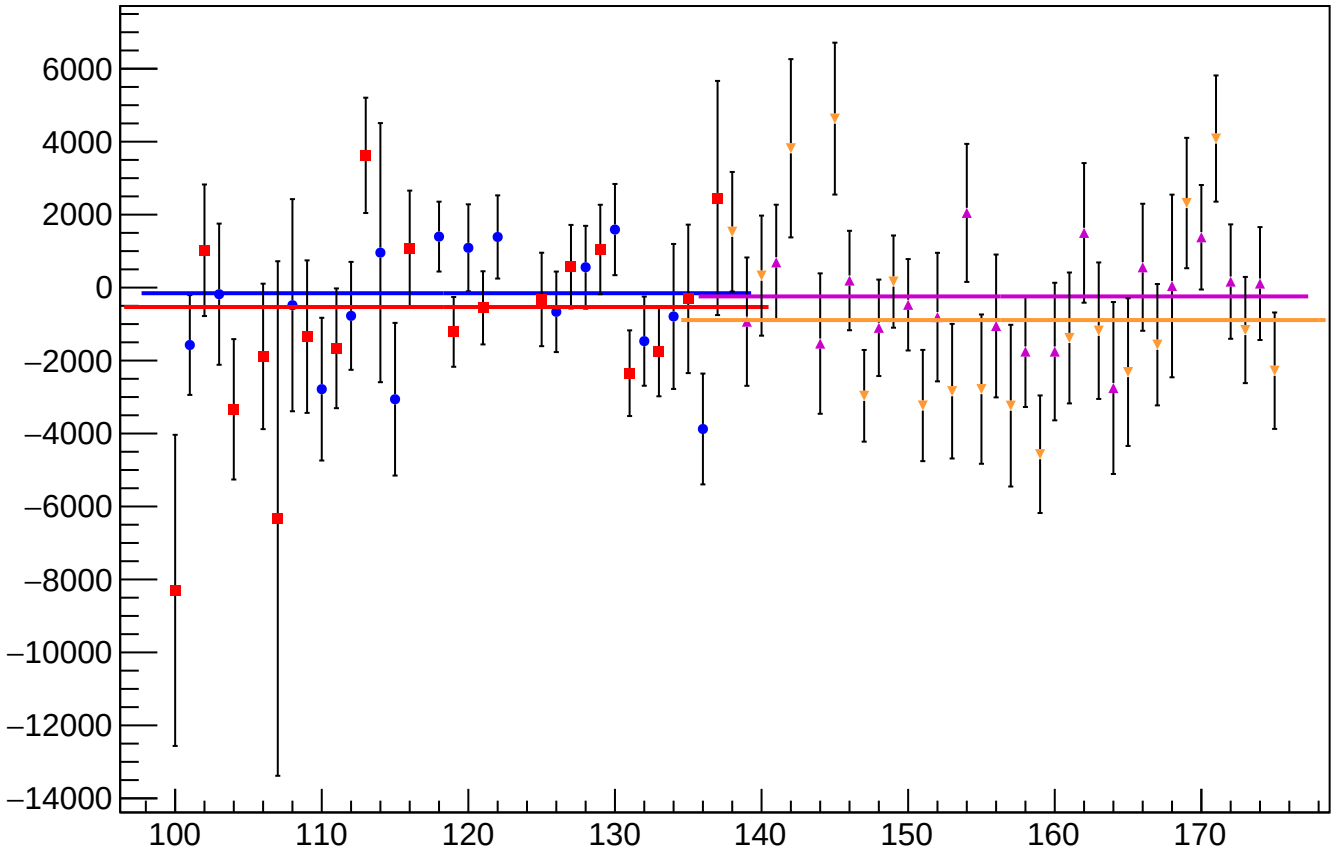
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1109.656+/-0.203 χ^2/NDF:3451.4/17

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

All: 1109.408+/-0.118 χ^2/NDF: 25160.7/70

- sign 1111.317+/-0.167 χ^2/NDF: 10984.5/35



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

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

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

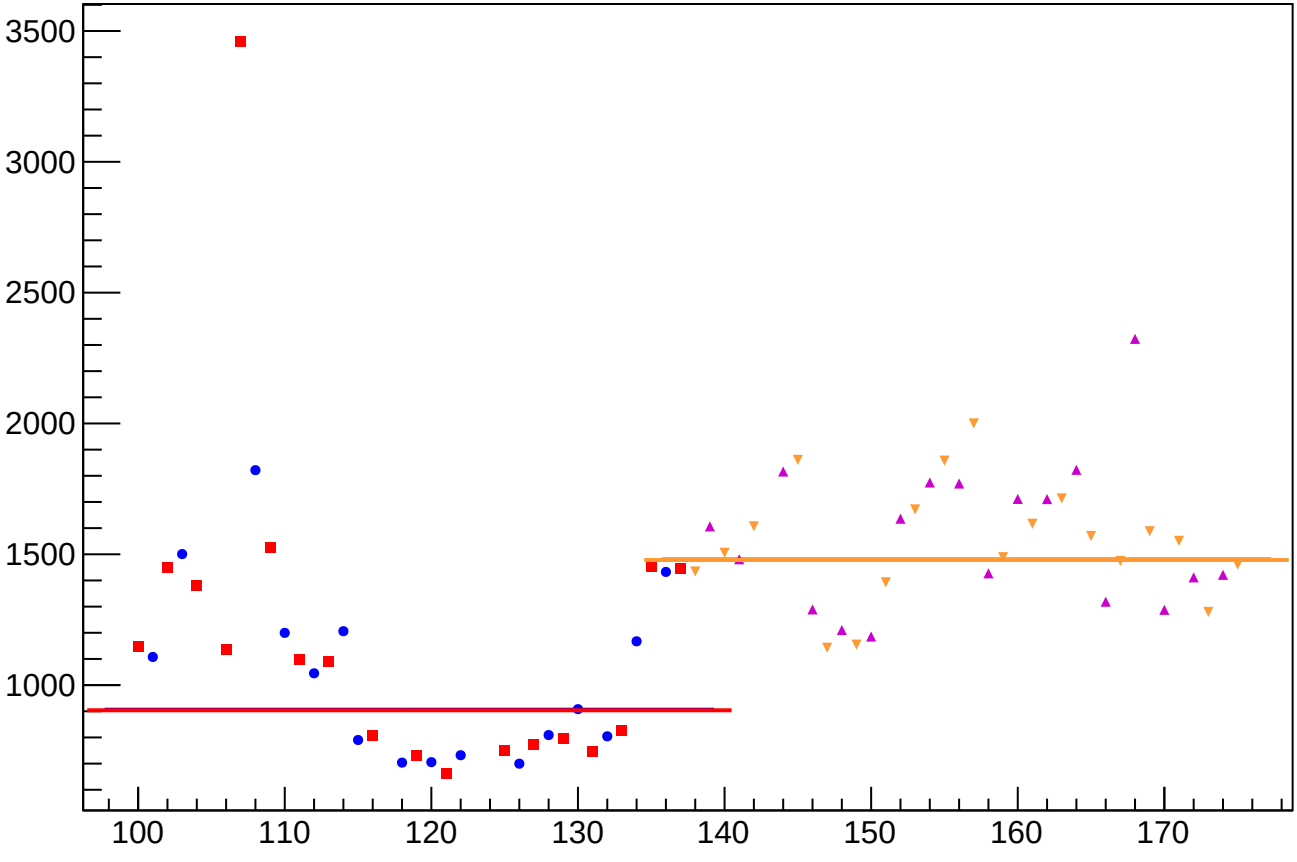
Left In: -241.737+/-390.087 χ^2/NDF:8.5/17

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

All: -444.410+/-184.171 χ^2/NDF: 95.1/70

\- sign -402.464+/-260.678 χ^2/NDF: 32.0/35

asym_usl_dit_correction_rms vs Slug



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

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

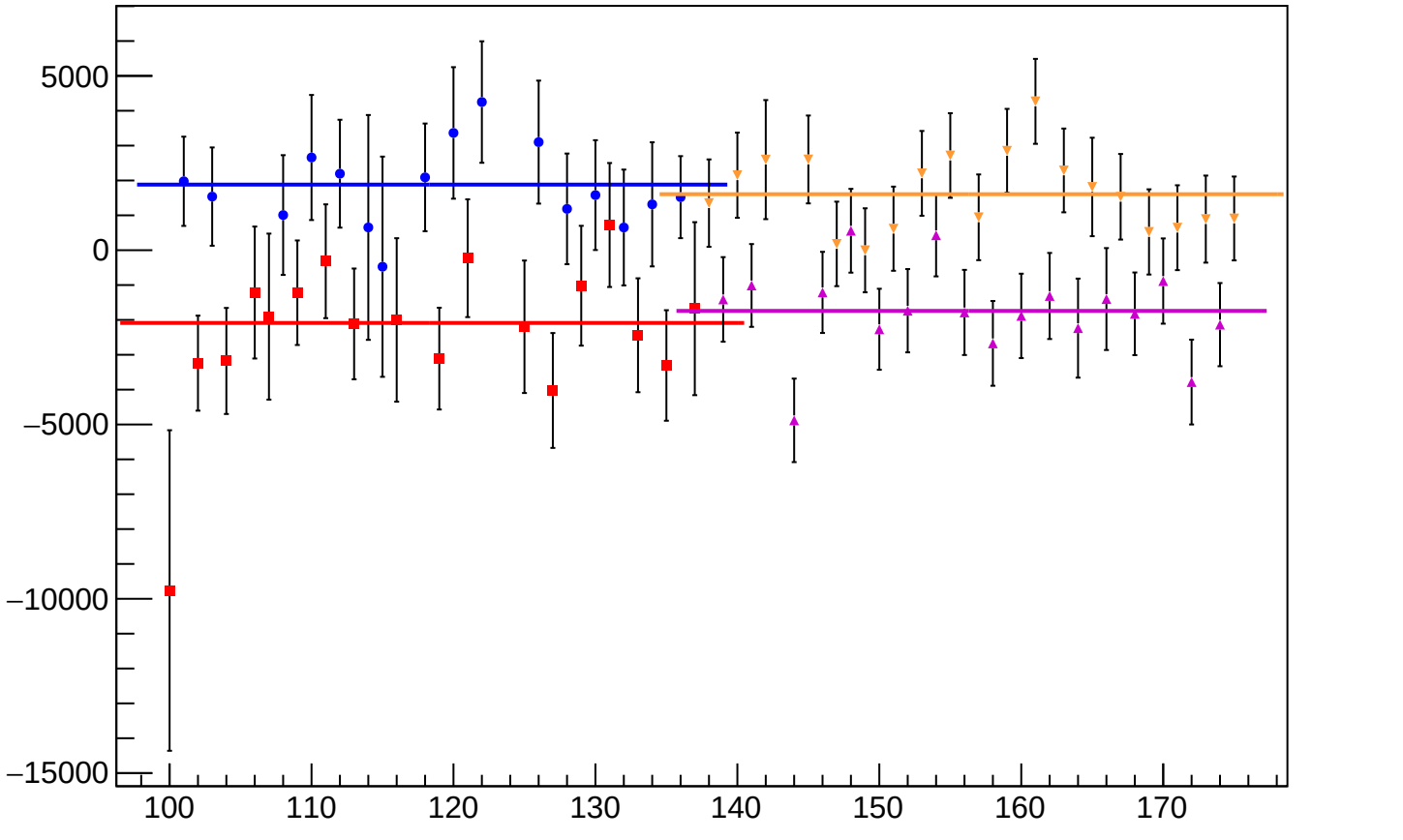
Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1479.866+/-0.276 χ^2/NDF:802989.2/17

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

All: 1162.634+/-0.130 χ^2/NDF: 8683619.7/70

- sign 1161.027+/-0.184 χ^2/NDF: 4557249.3/35



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

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

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

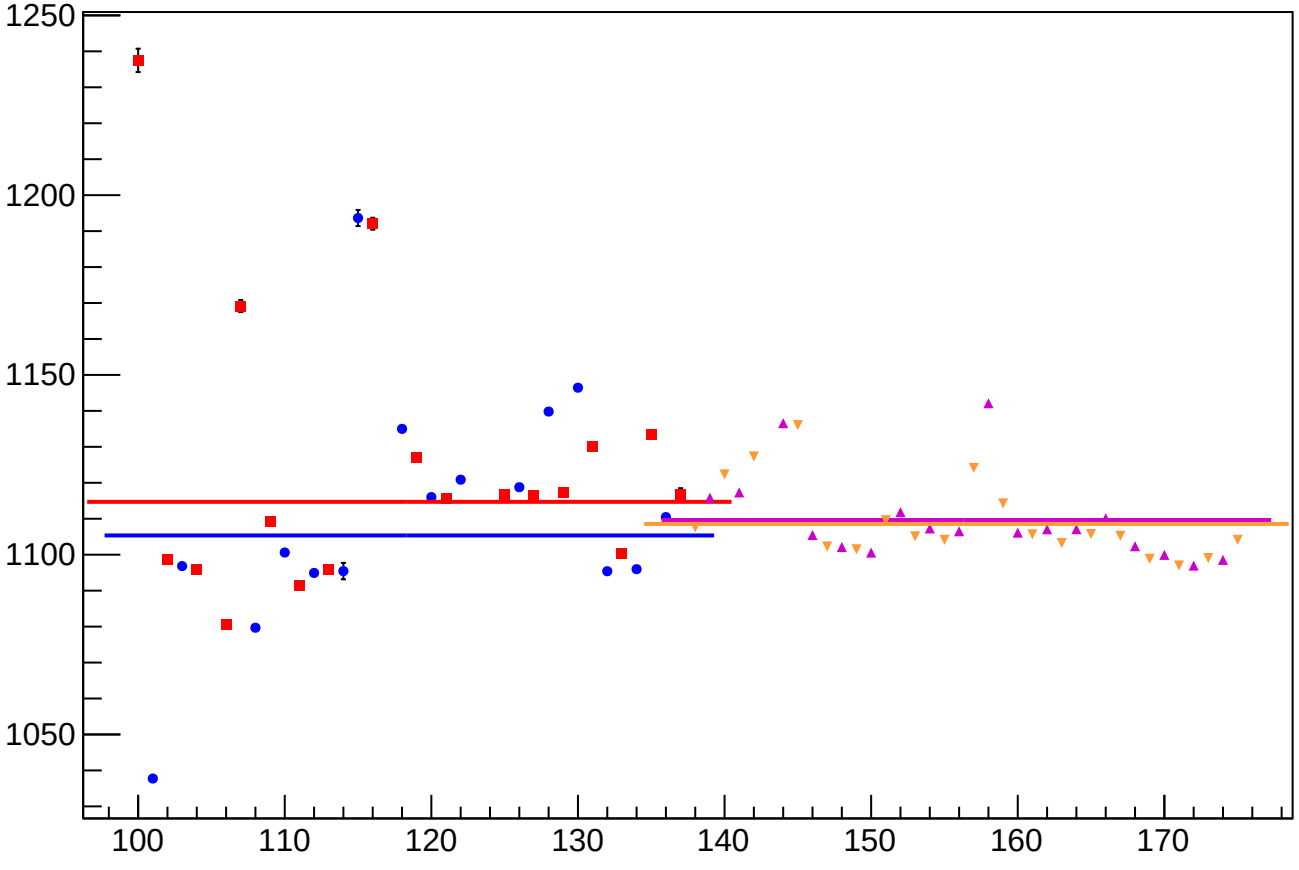
Left In: -1741.100+/-287.663 χ^2/NDF:19.1/17

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

All: -71.236+/-166.231 χ^2/NDF: 166.2/70

- sign -1854.875+/-235.632 χ^2/NDF: 32.0/35

eigen_dit_asym_usl_rms vs Slug



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

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

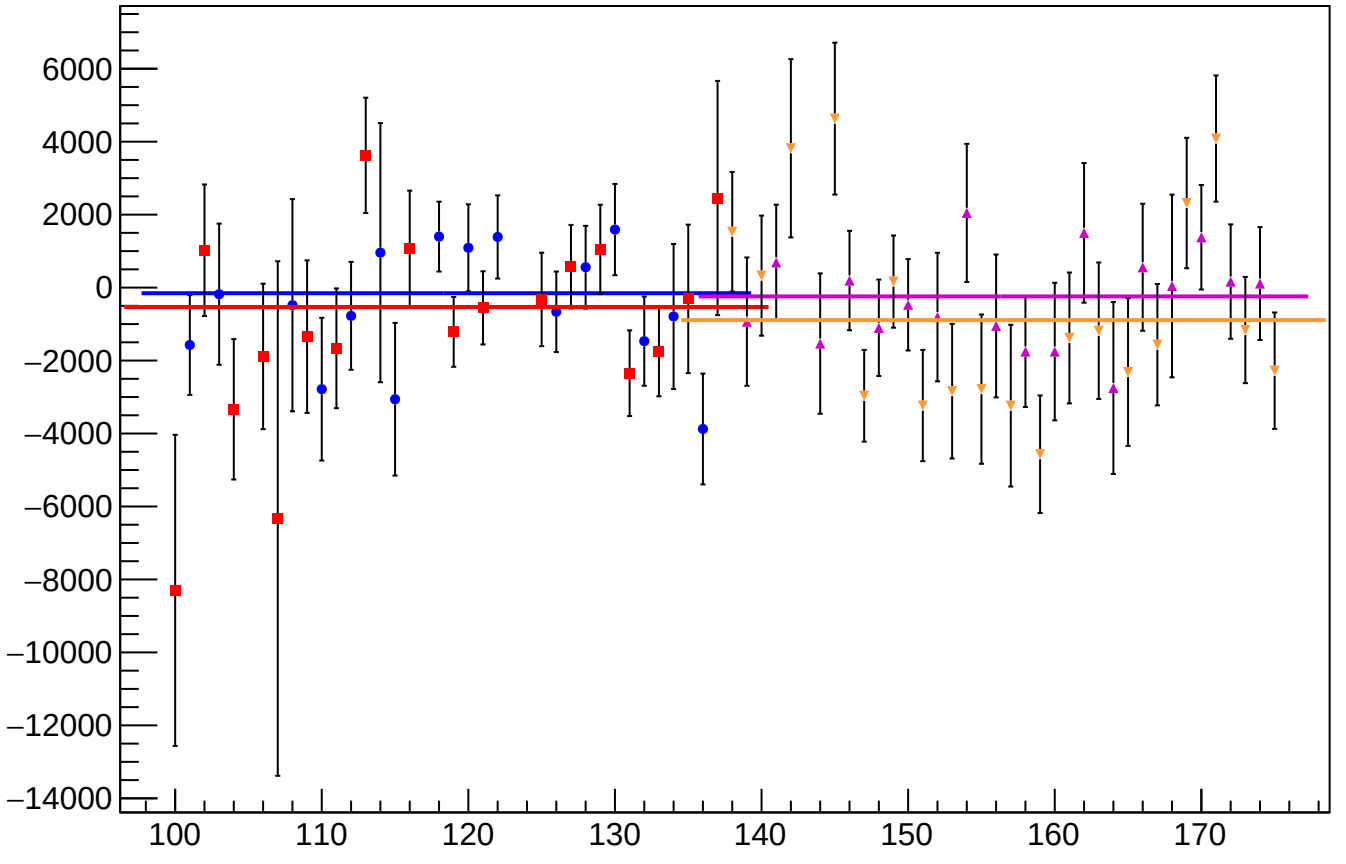
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1109.656+/-0.203 χ^2/NDF:3451.4/17

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

All: 1109.408+/-0.118 χ^2/NDF: 25160.7/70

- sign 1111.317+/-0.167 χ^2/NDF: 10984.4/35



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

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

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

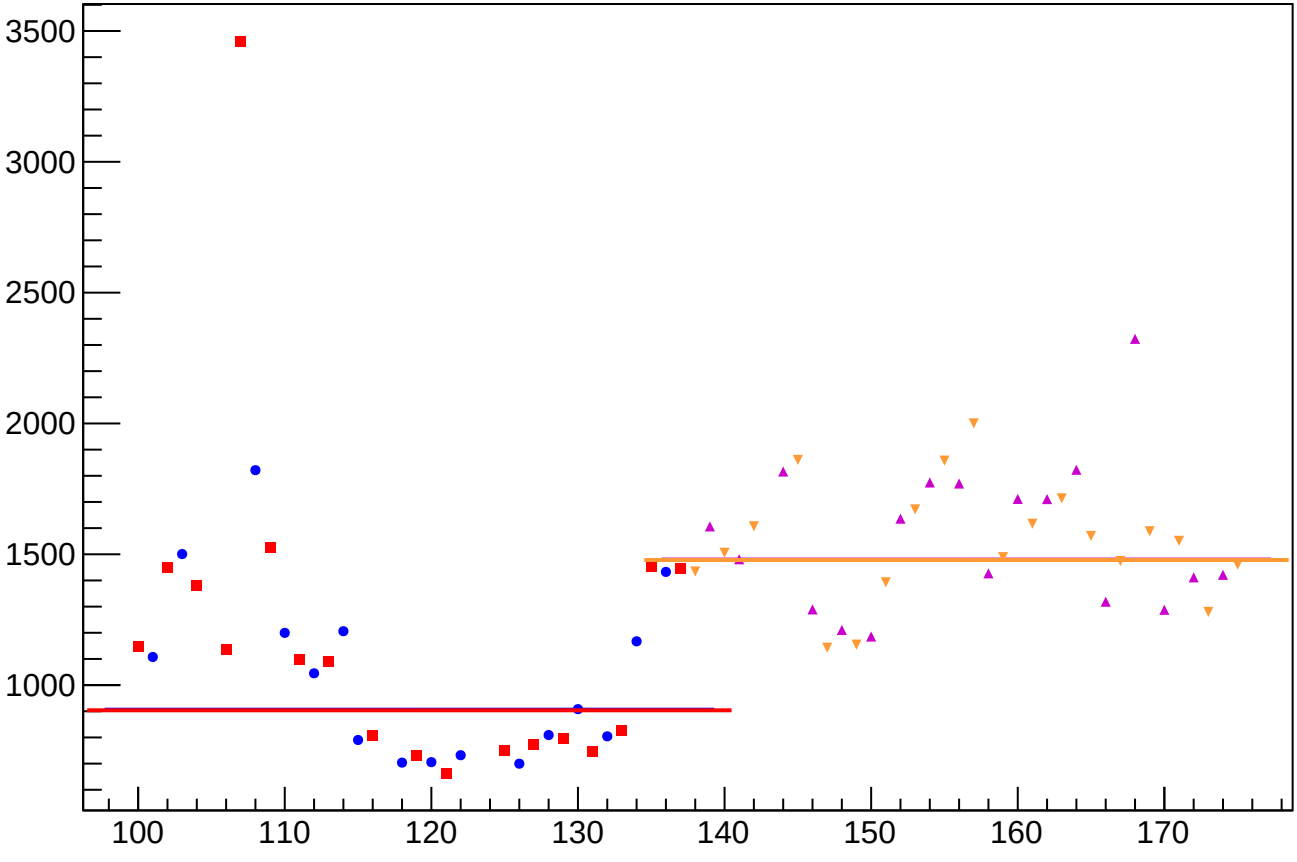
Left In: -241.737+/-390.087 χ^2/NDF:8.5/17

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

All: -444.410+/-184.171 χ^2/NDF: 95.1/70

\- sign -402.464+/-260.678 χ^2/NDF: 32.0/35

asym_usl_eigen_dit_correction_rms vs Slug



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

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

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

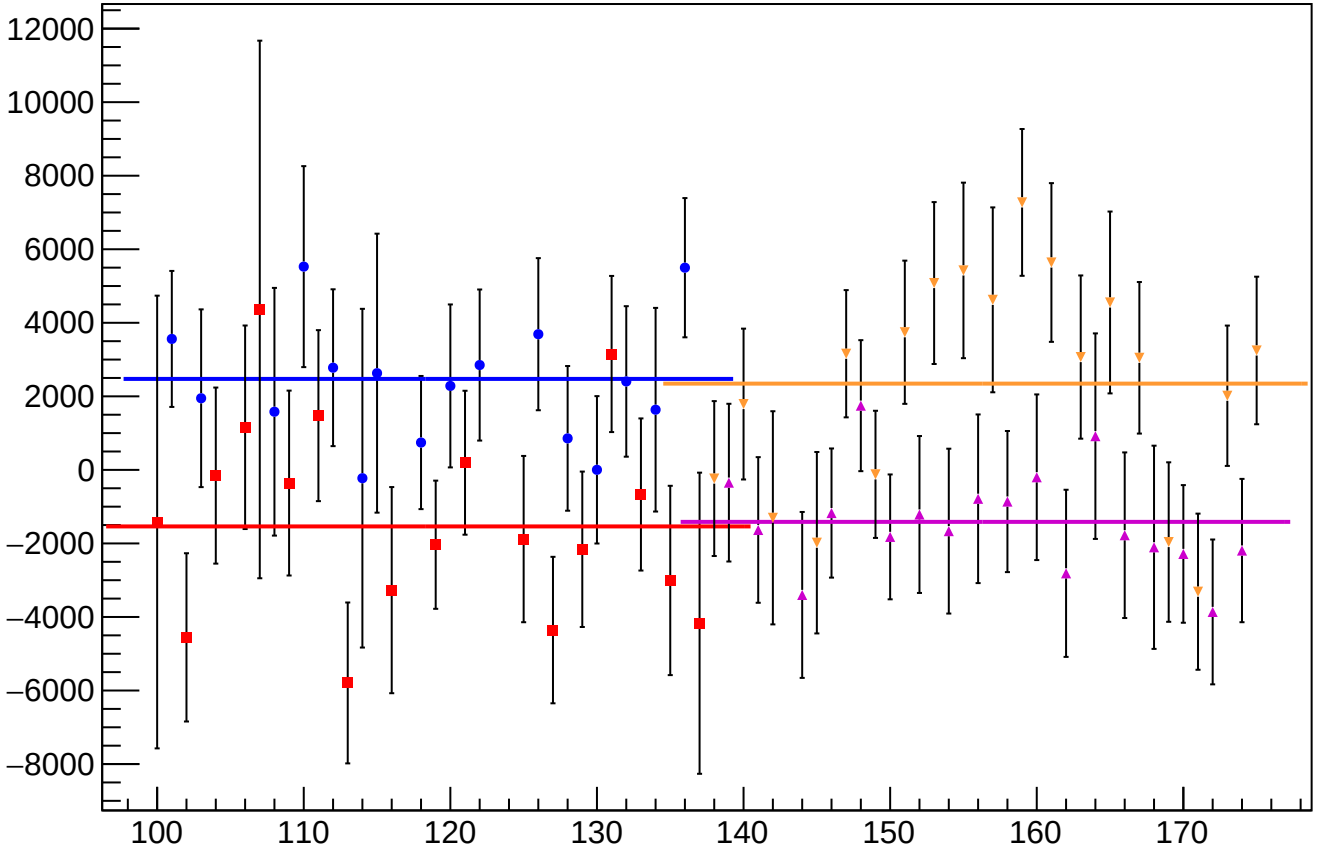
Left In: 1479.868+/-0.276 χ^2/NDF:802986.1/17

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

All: 1162.632+/-0.130 χ^2/NDF: 8683685.5/70

- sign 1161.025+/-0.184 χ^2/NDF: 4557281.9/35

asym_usl_mean vs Slug



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

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

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

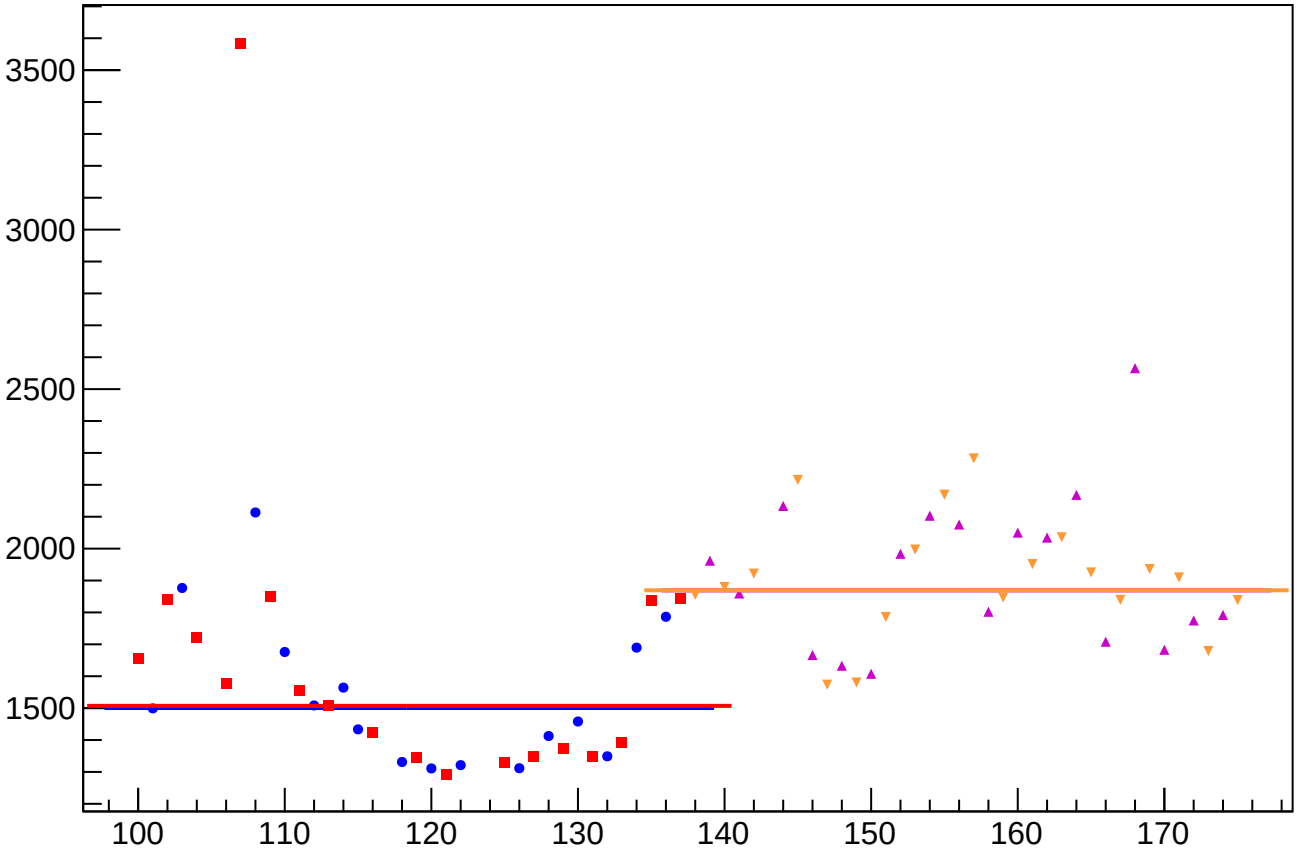
Left In: -1413.649+/-488.583 χ^2/NDF:7.8/17

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

All: 475.189+/-260.475 χ^2/NDF: 123.5/70

- sign -1466.766+/-369.162 χ^2/NDF: 26.4/35

asym_usl_rms vs Slug



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

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

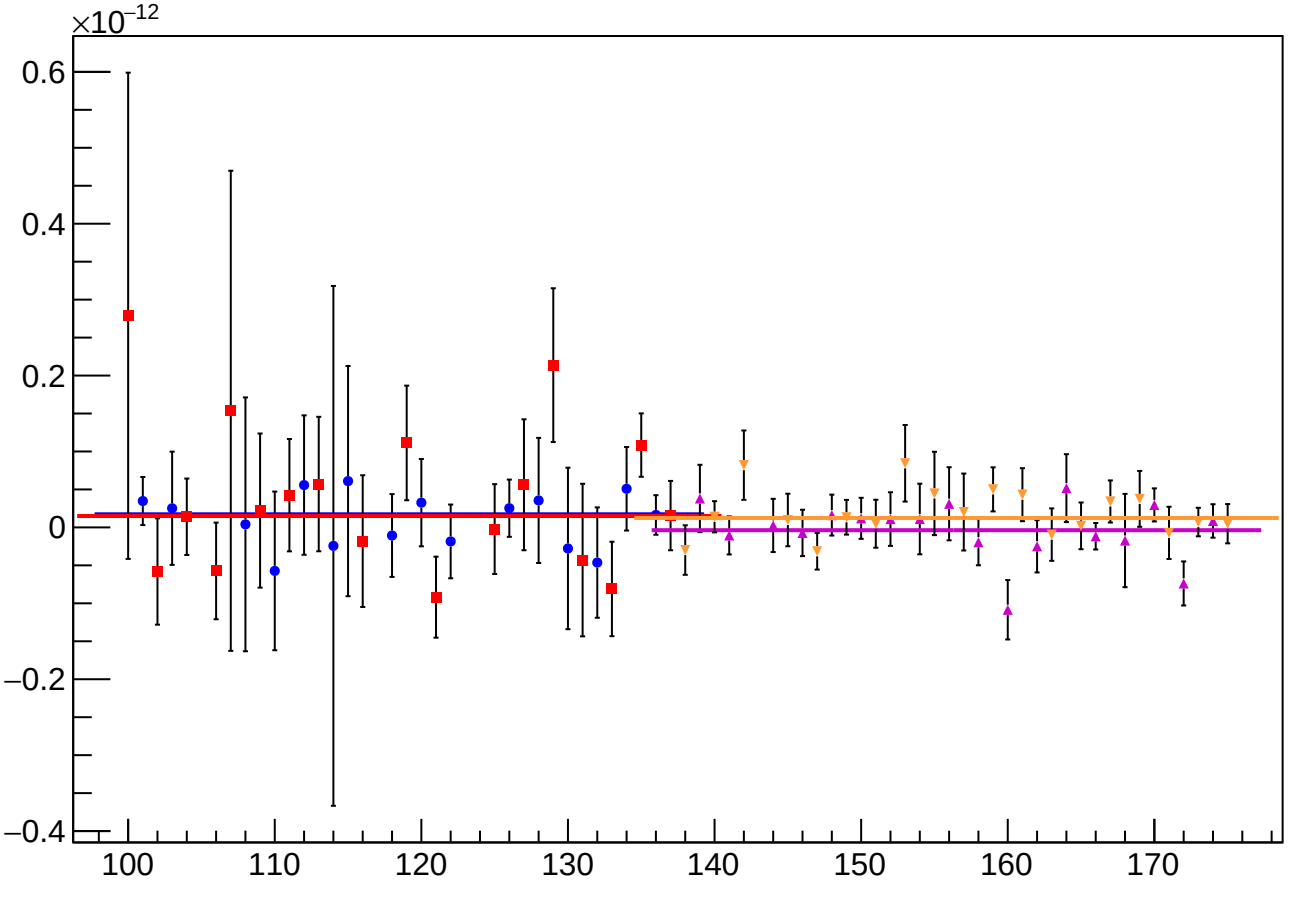
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1869.047+/-0.345 χ^2/NDF:397991.3/17

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

All: 1712.848+/-0.184 χ^2/NDF: 2311320.1/70

- sign 1713.734+/-0.261 χ^2/NDF: 1270205.2/35



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

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

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

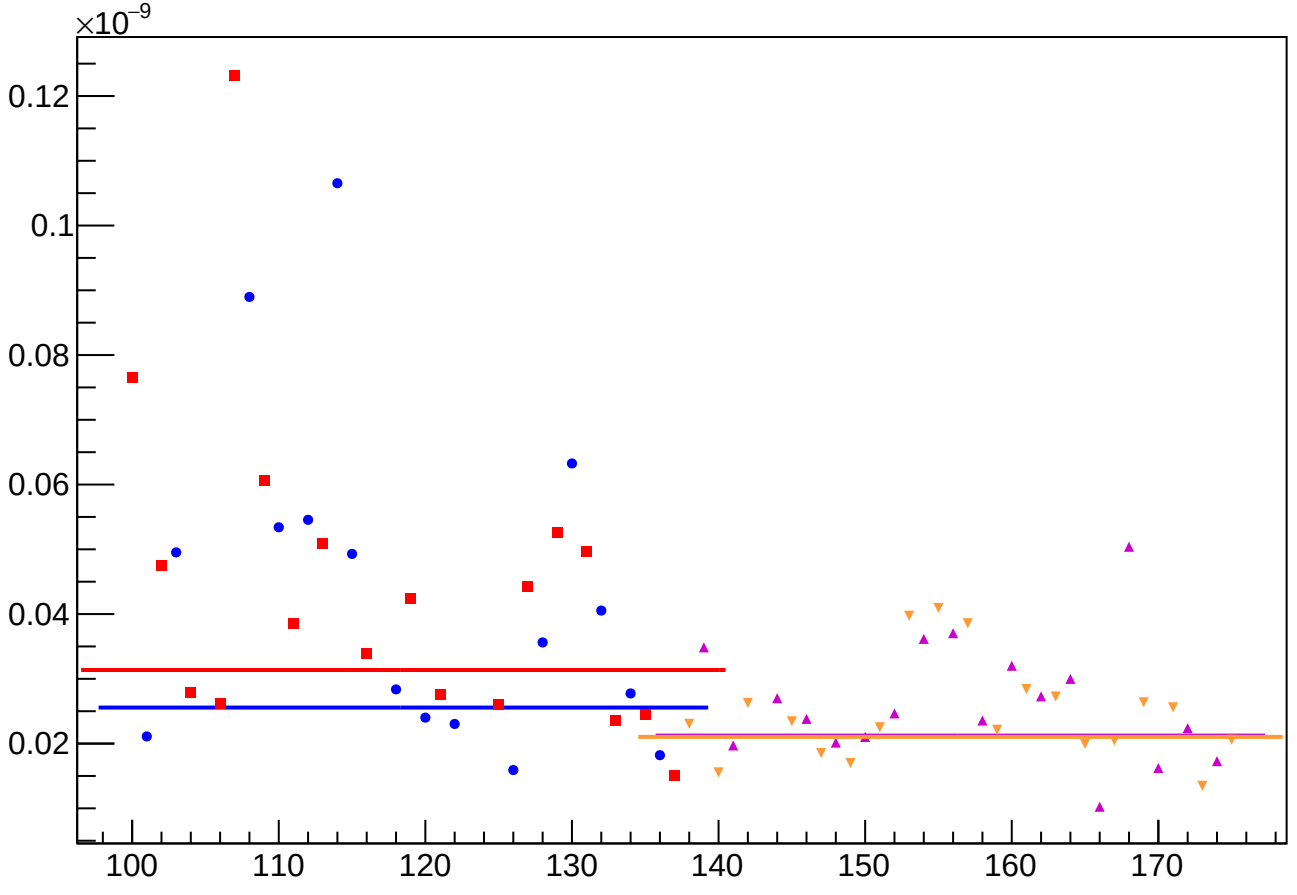
Left In: -0.000+/-0.000 χ^2/NDF:20.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 17.8/34

All: 0.000+/-0.000 χ^2/NDF: 63.6/70

- sign -0.000+/-0.000 χ^2/NDF: 43.2/35

asym_usl_reg_vs_cor_diff_rms vs Slug



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

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

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

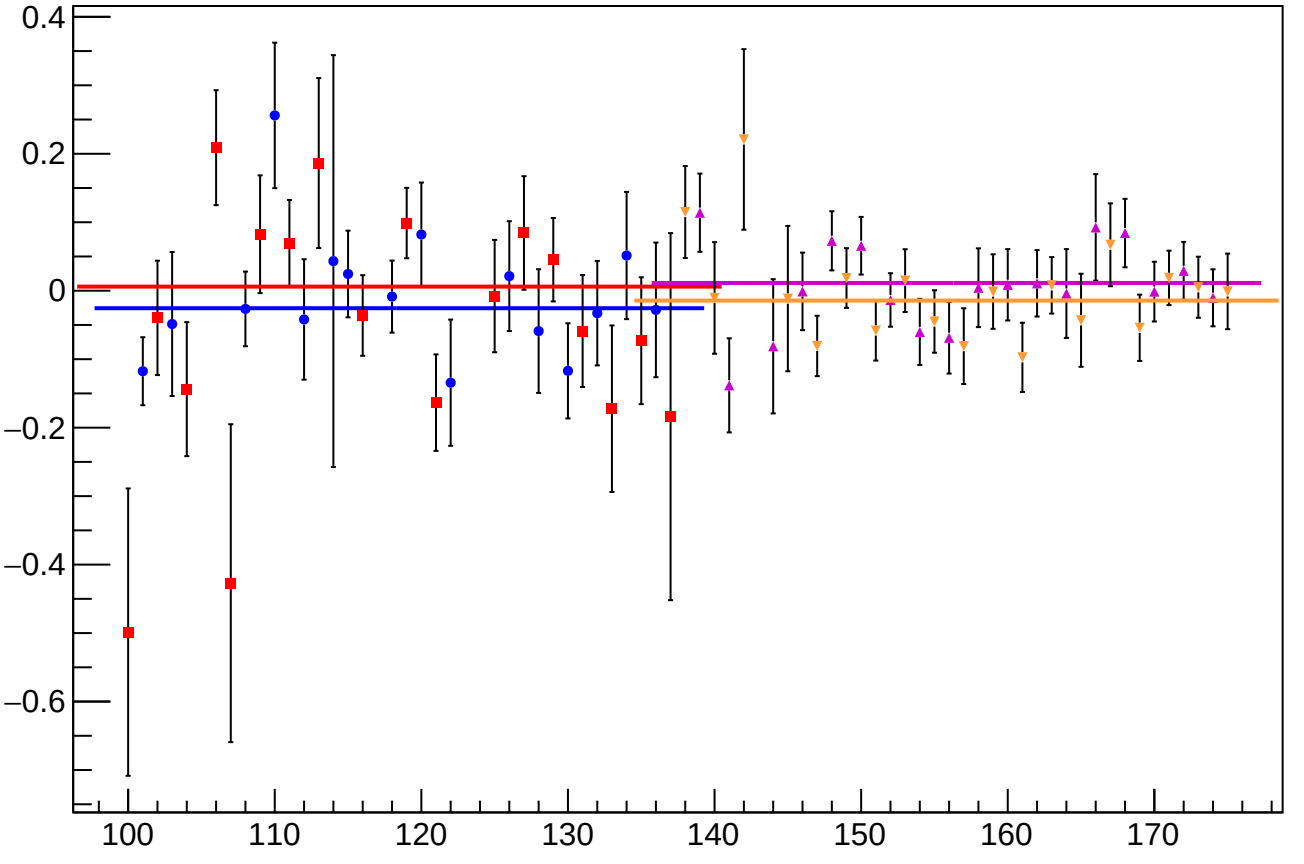
Left In: 0.000+/-0.000 χ^2/NDF:2428334.7/17

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

All: 0.000+/-0.000 χ^2/NDF: 7843934.4/70

- sign 0.000+/-0.000 χ^2/NDF: 4322261.2/35

asym_usl_dit_vs_cor_diff_mean vs Slug



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

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

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

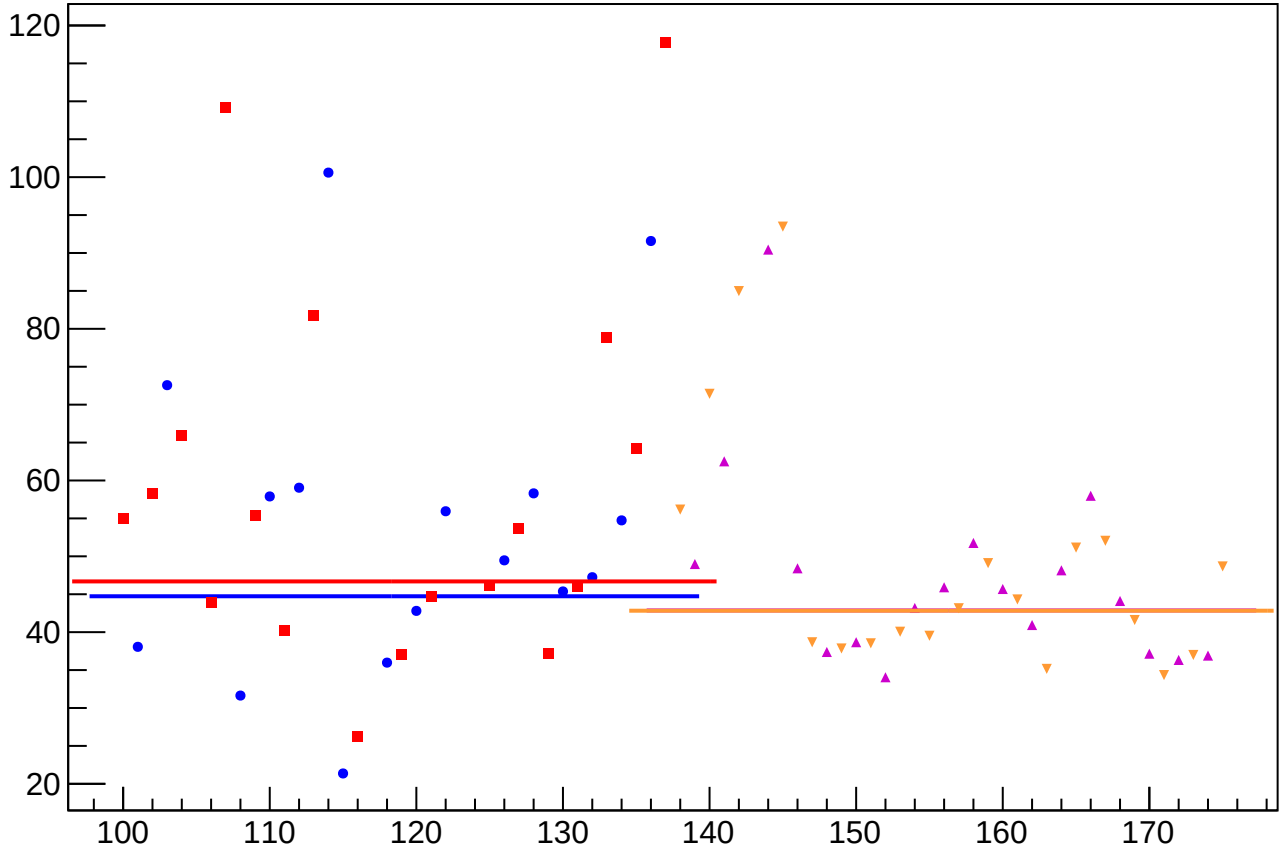
Left In: 0.011+/-0.012 χ^2/NDF:21.4/17

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

All: -0.004+/-0.007 χ^2/NDF: 99.2/70

- sign 0.010+/-0.010 χ^2/NDF: 58.0/35

asym_usl_dit_vs_cor_diff_rms vs Slug



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

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

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

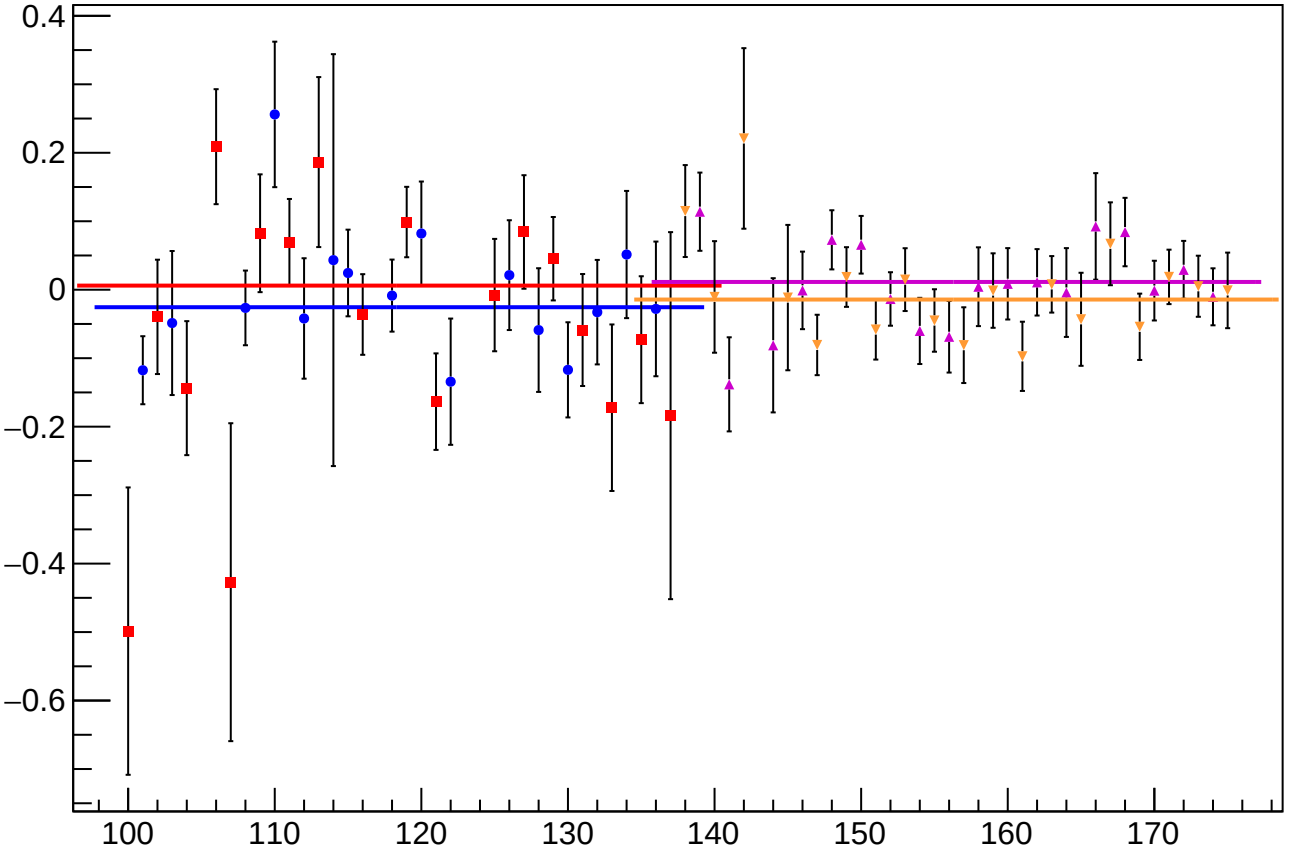
Left In: 42.863+/-0.008 χ^2/NDF:1108062.3/17

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

All: 43.641+/-0.005 χ^2/NDF: 5101163.7/70

- sign 43.912+/-0.007 χ^2/NDF: 2360090.2/35

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

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

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

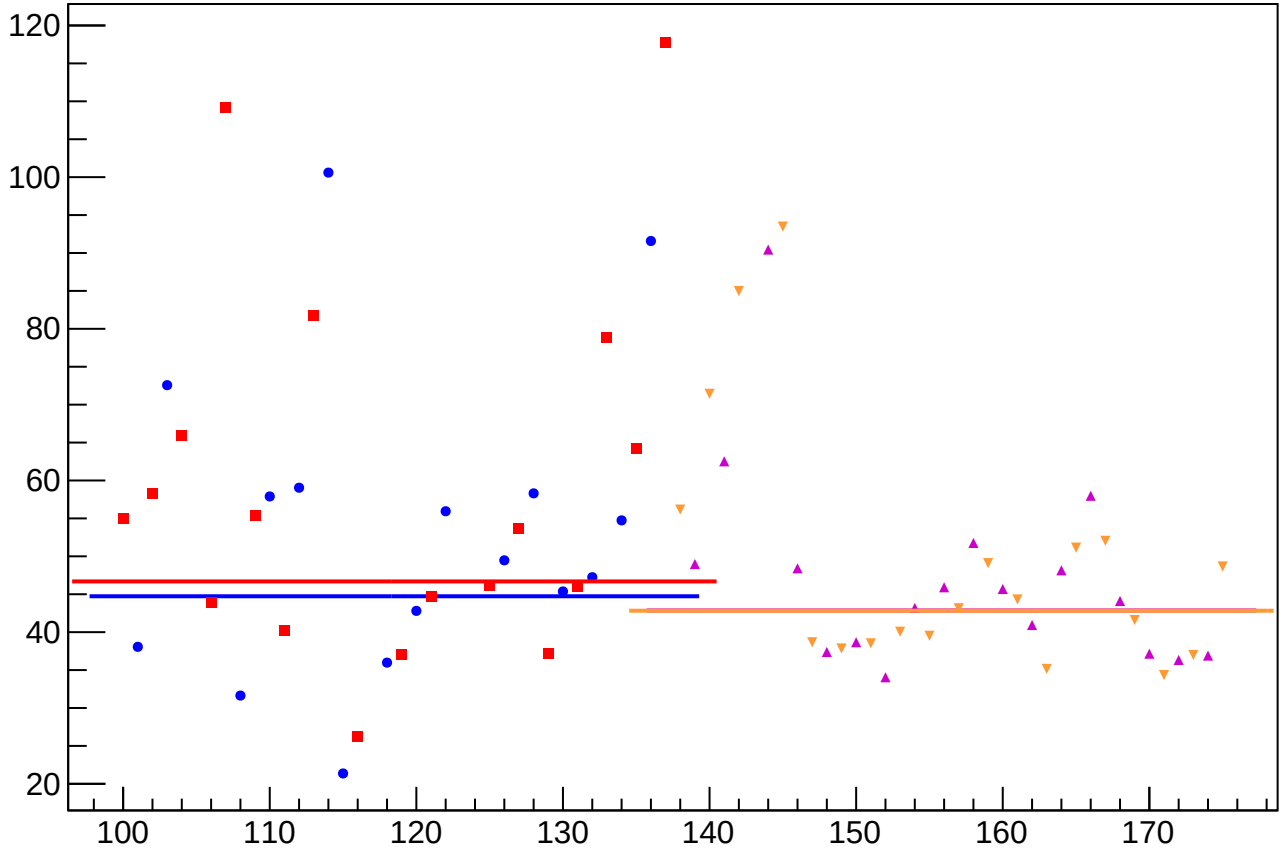
Left In: 0.011+/-0.012 χ^2/NDF:21.4/17

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

All: -0.004+/-0.007 χ^2/NDF: 99.2/70

- sign 0.010+/-0.010 χ^2/NDF: 58.0/35

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

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

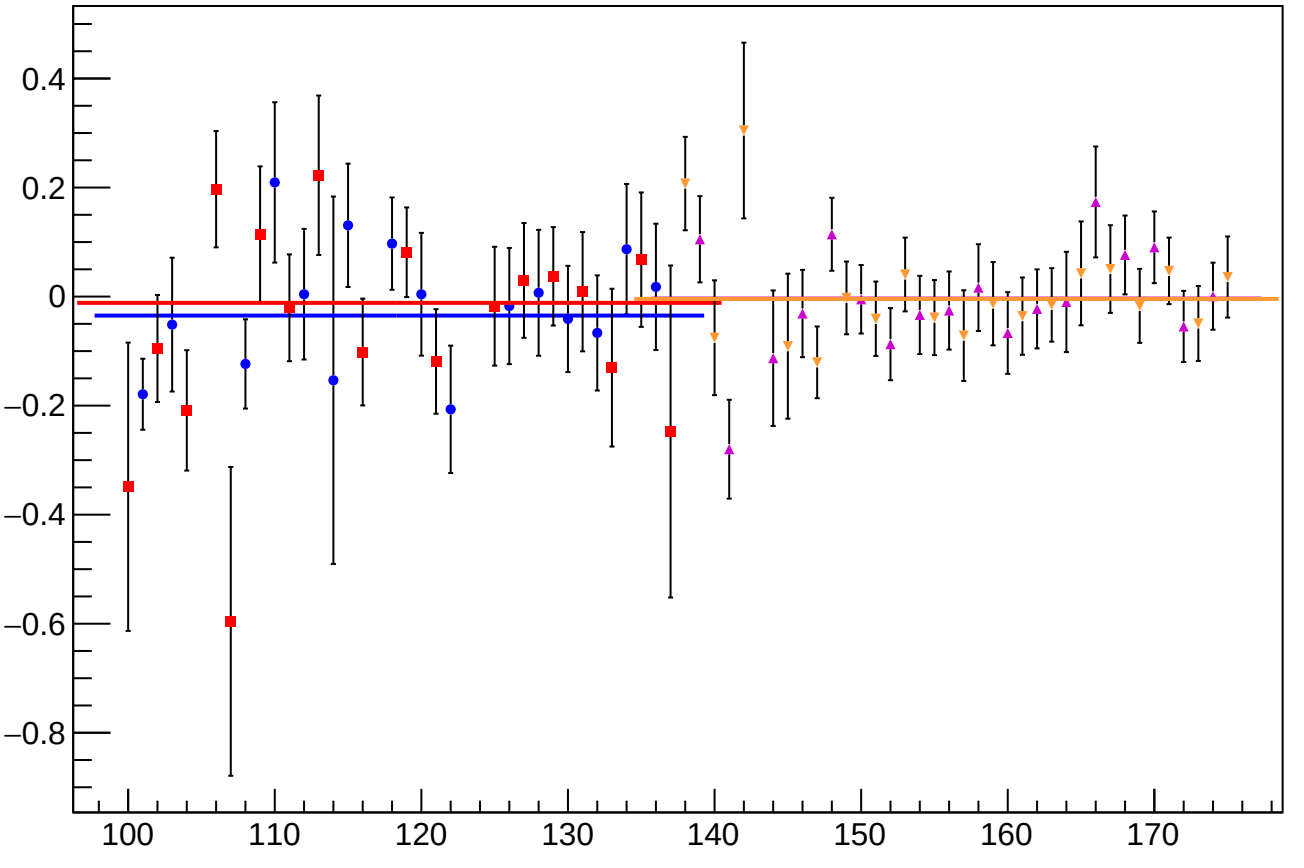
Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 42.863+/-0.008 χ^2/NDF:1108062.3/17

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

All: 43.641+/-0.005 χ^2/NDF: 5101163.7/70

- sign 43.912+/-0.007 χ^2/NDF: 2360090.2/35



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

Left Out: -0.004+/-0.017 χ^2/NDF:17.8/18

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

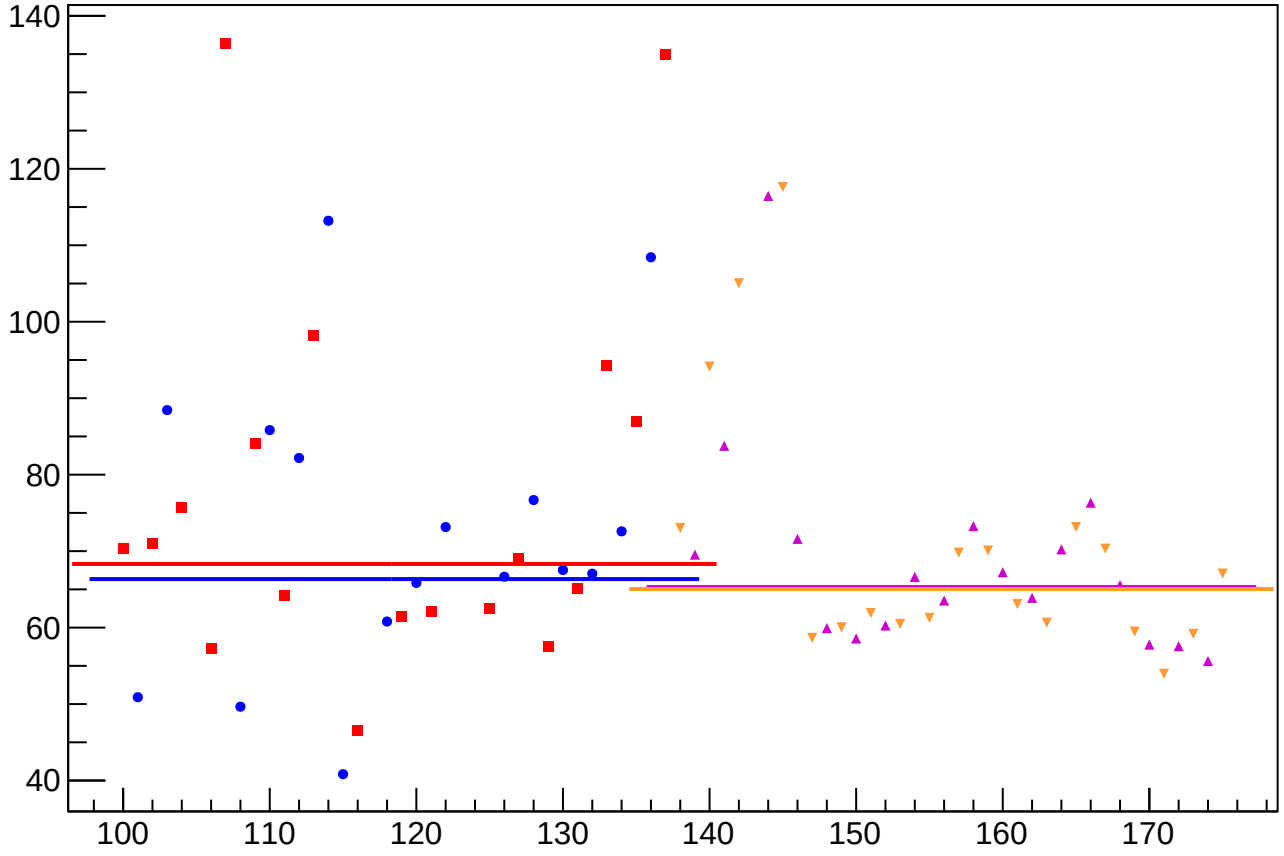
Left In: -0.004+/-0.018 χ^2/NDF:24.8/17

+ sign -0.014+/-0.015 χ^2/NDF: 36.2/34

All: -0.010+/-0.010 χ^2/NDF: 84.0/70

- sign -0.006+/-0.015 χ^2/NDF: 47.6/35

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 65.038+/-0.012 χ^2/NDF:799196.9/18

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

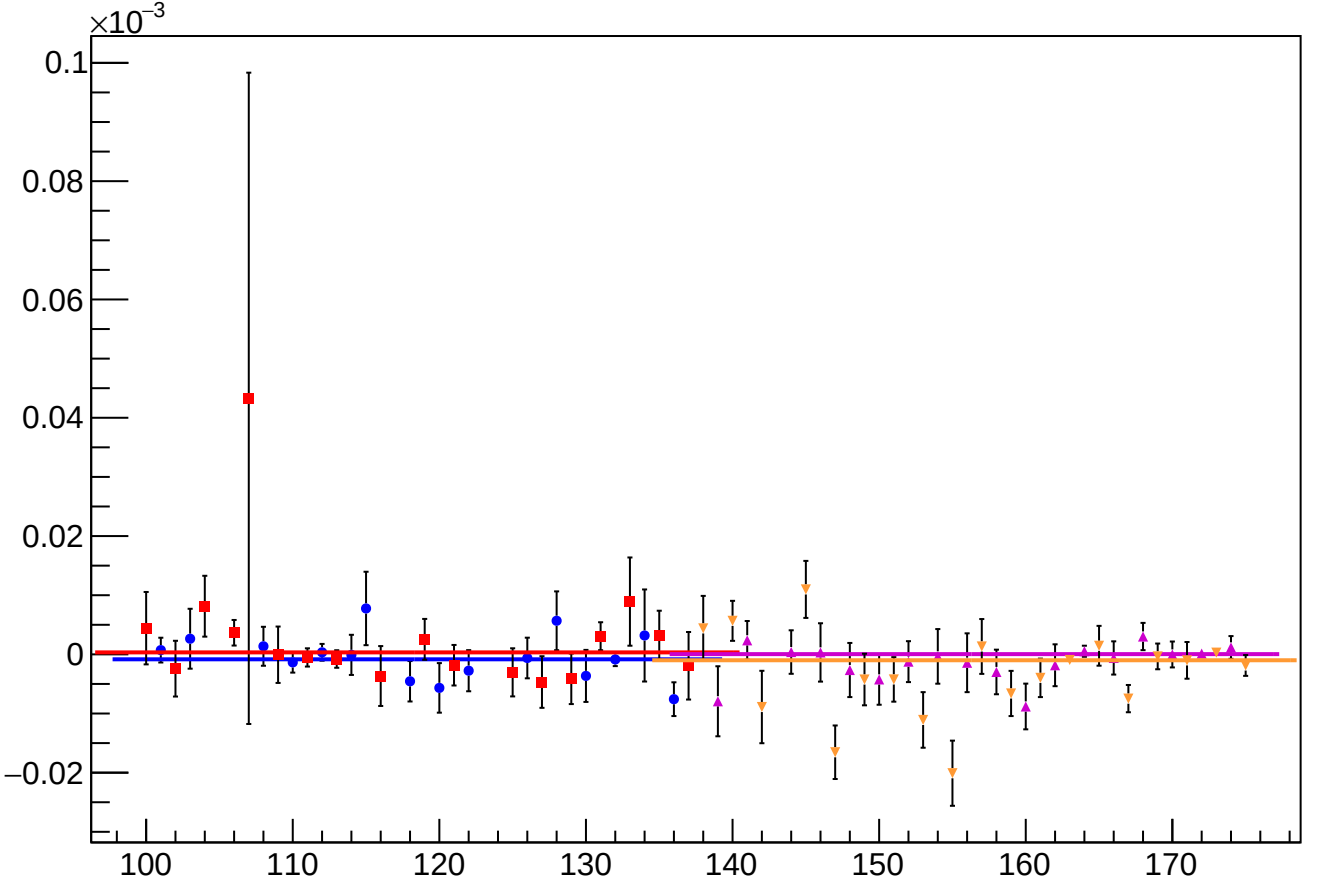
Left In: 65.305+/-0.012 χ^2/NDF:644327.4/17

+ sign 65.438+/-0.010 χ^2/NDF: 1575307.6/34

All: 65.816+/-0.007 χ^2/NDF: 2869724.7/70

- sign 66.203+/-0.010 χ^2/NDF: 1291668.9/35

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:58.1/18

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

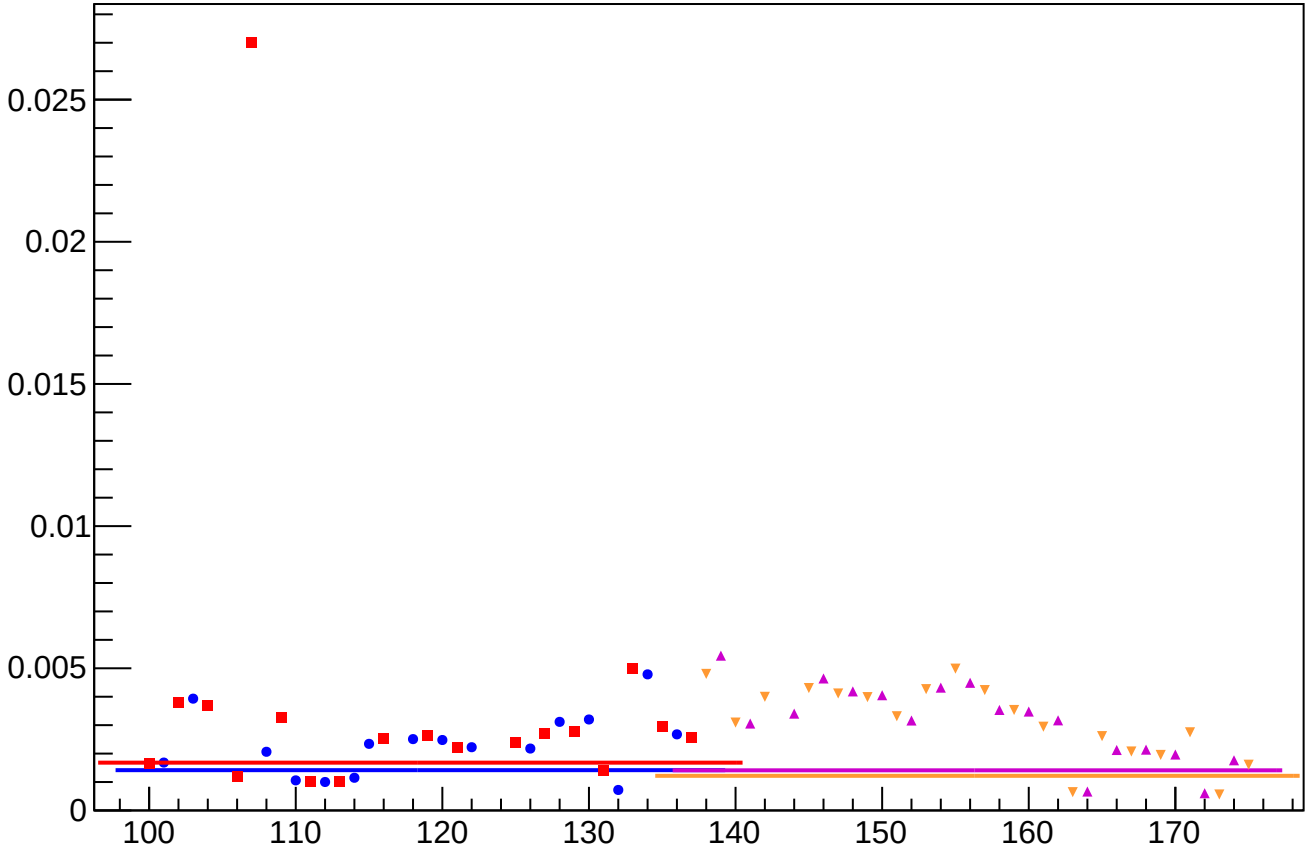
Left In: 0.000+/-0.000 χ^2/NDF:12.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 73.2/34

All: -0.000+/-0.000 χ^2/NDF: 104.5/70

- sign 0.000+/-0.000 χ^2/NDF: 27.3/35

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



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

Left Out: 0.001+/-0.000 χ^2/NDF:13258871.5/18

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

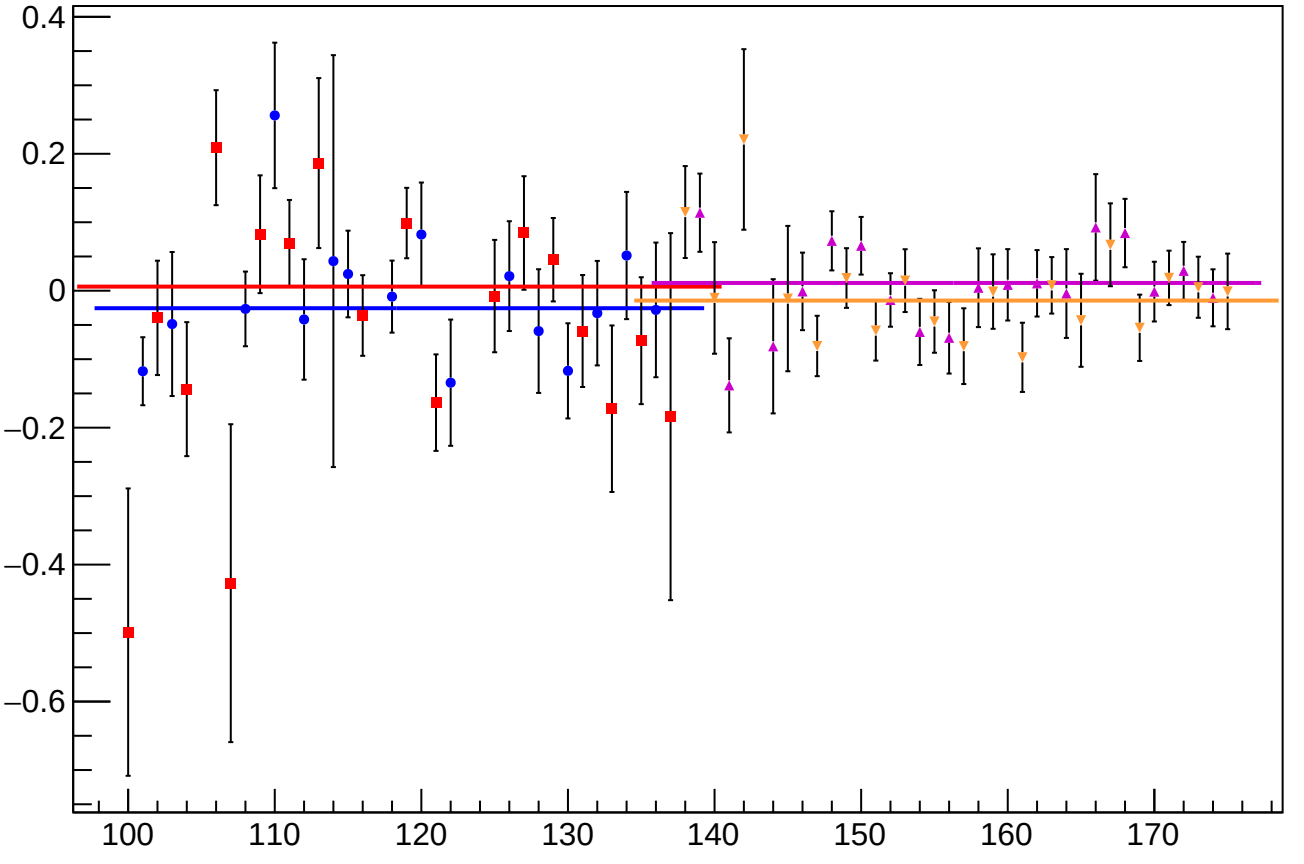
Left In: 0.001+/-0.000 χ^2/NDF:11960126.1/17

+ sign 0.001+/-0.000 χ^2/NDF: 16946003.3/34

All: 0.001+/-0.000 χ^2/NDF: 32836340.1/70

- sign 0.001+/-0.000 χ^2/NDF: 15578061.0/35

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

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

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

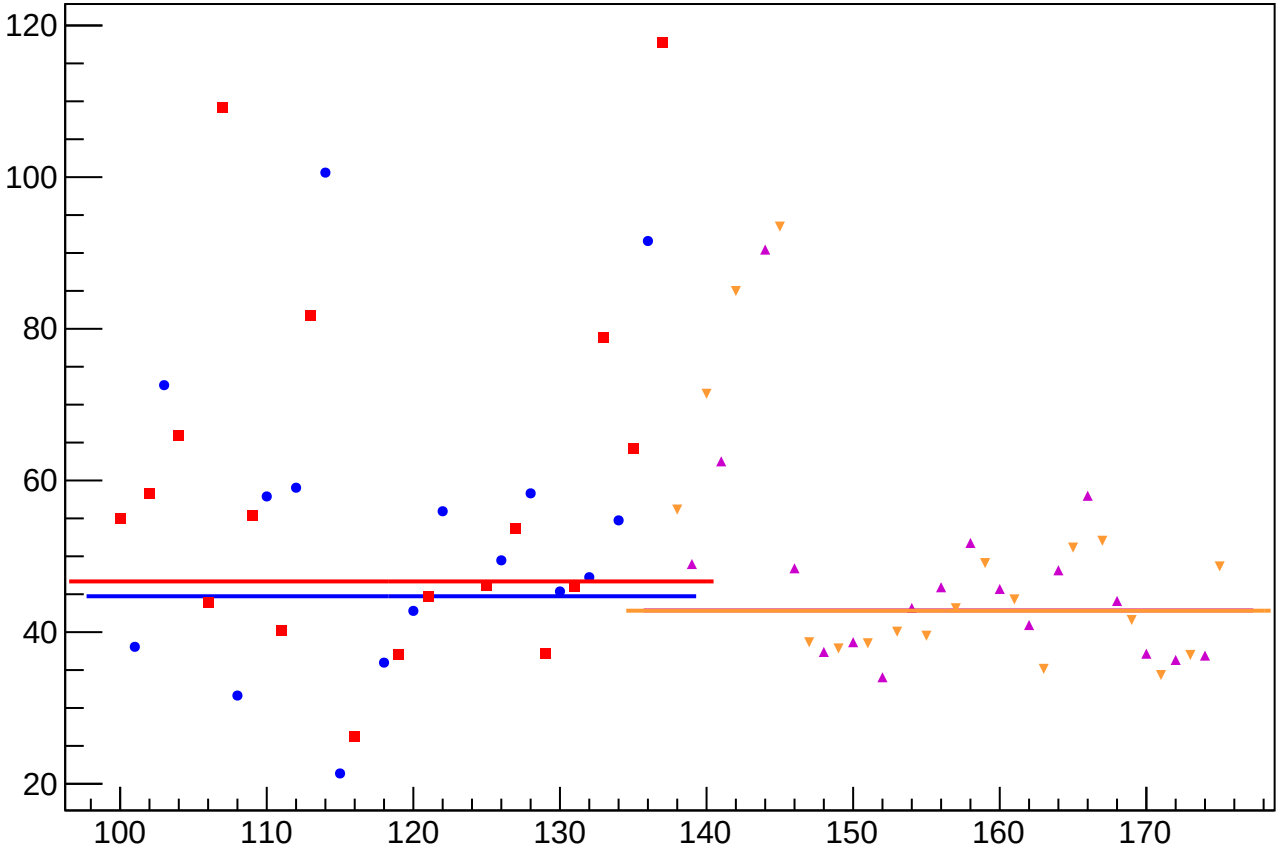
Left In: 0.011+/-0.012 χ^2/NDF:21.4/17

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

All: -0.004+/-0.007 χ^2/NDF: 99.2/70

- sign 0.010+/-0.010 χ^2/NDF: 58.0/35

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.828+/-0.008 χ^2/NDF:1388978.4/18

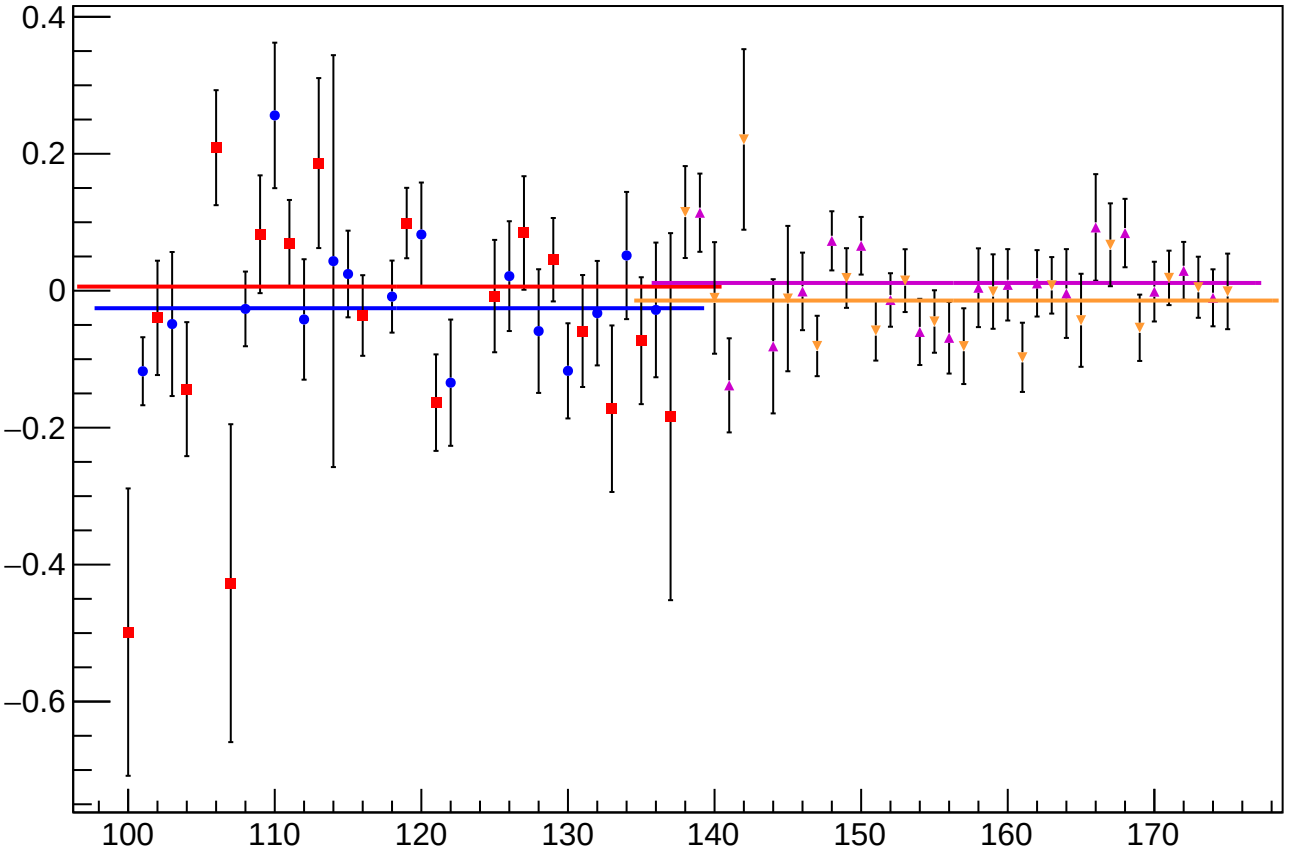
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.863+/-0.008 χ^2/NDF:1108037.7/17

+ sign 43.375+/-0.007 χ^2/NDF: 2738259.3/34

All: 43.641+/-0.005 χ^2/NDF: 5101160.4/70

- sign 43.912+/-0.007 χ^2/NDF: 2360072.7/35



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

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

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

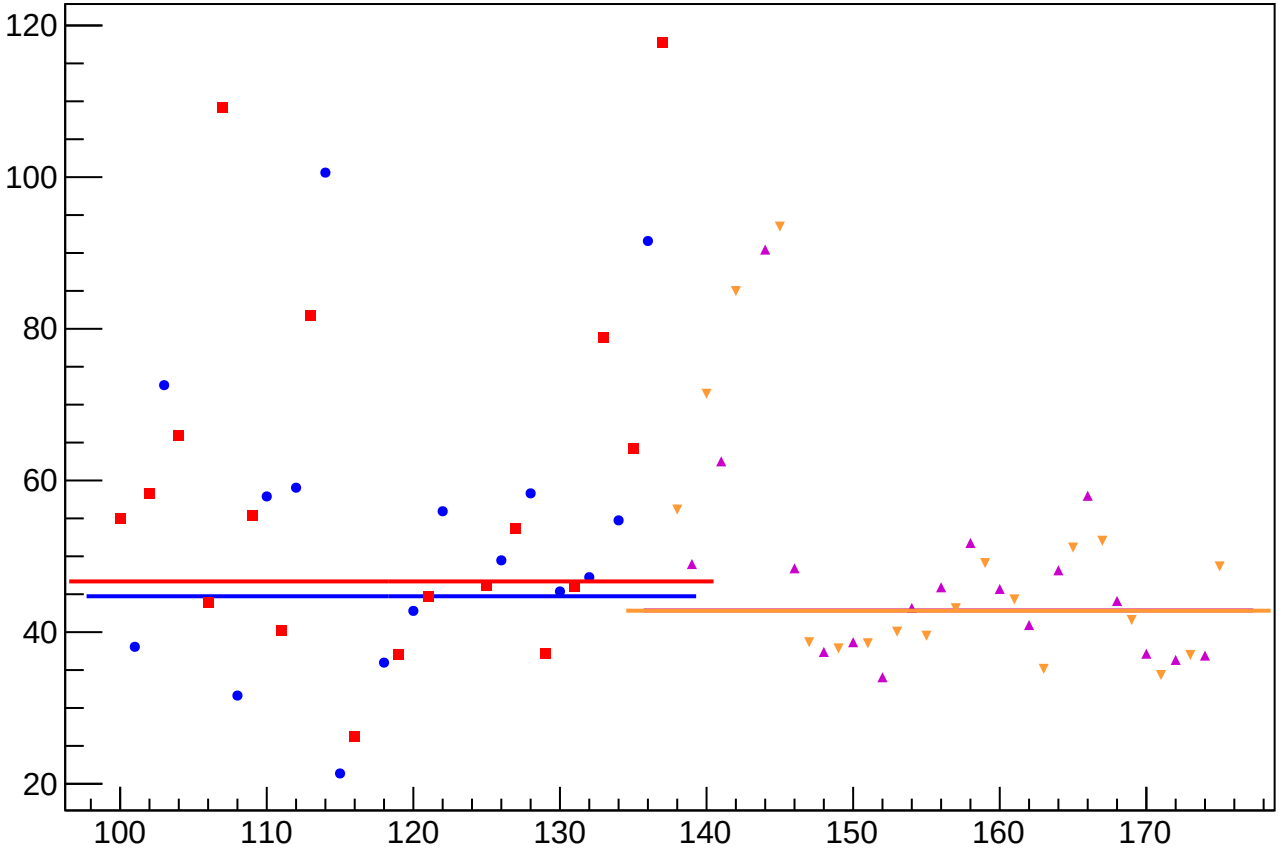
Left In: 0.011+/-0.012 χ^2/NDF:21.4/17

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

All: -0.004+/-0.007 χ^2/NDF: 99.2/70

- sign 0.010+/-0.010 χ^2/NDF: 58.0/35

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: 42.828+/-0.008 χ^2/NDF:1388978.4/18

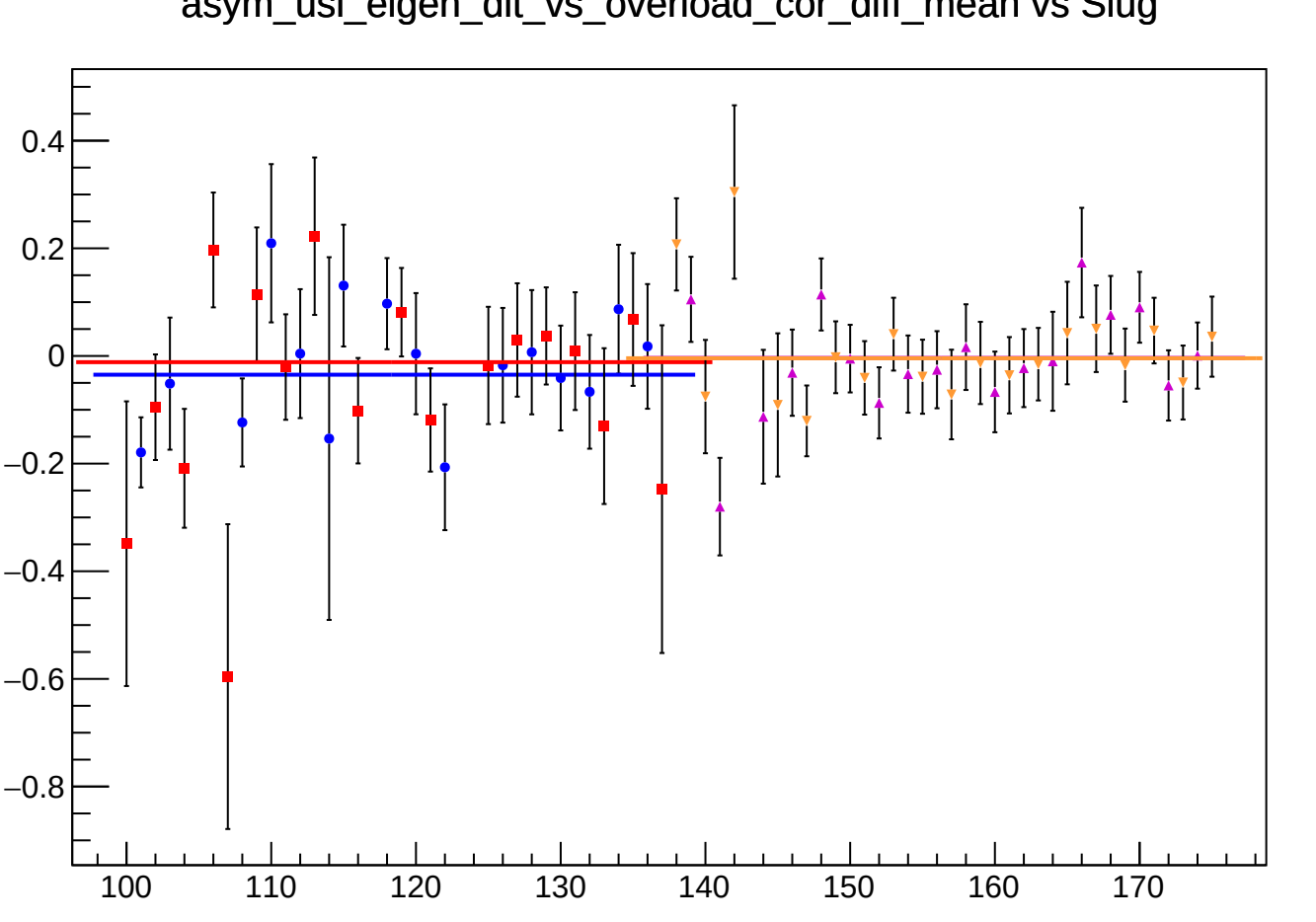
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

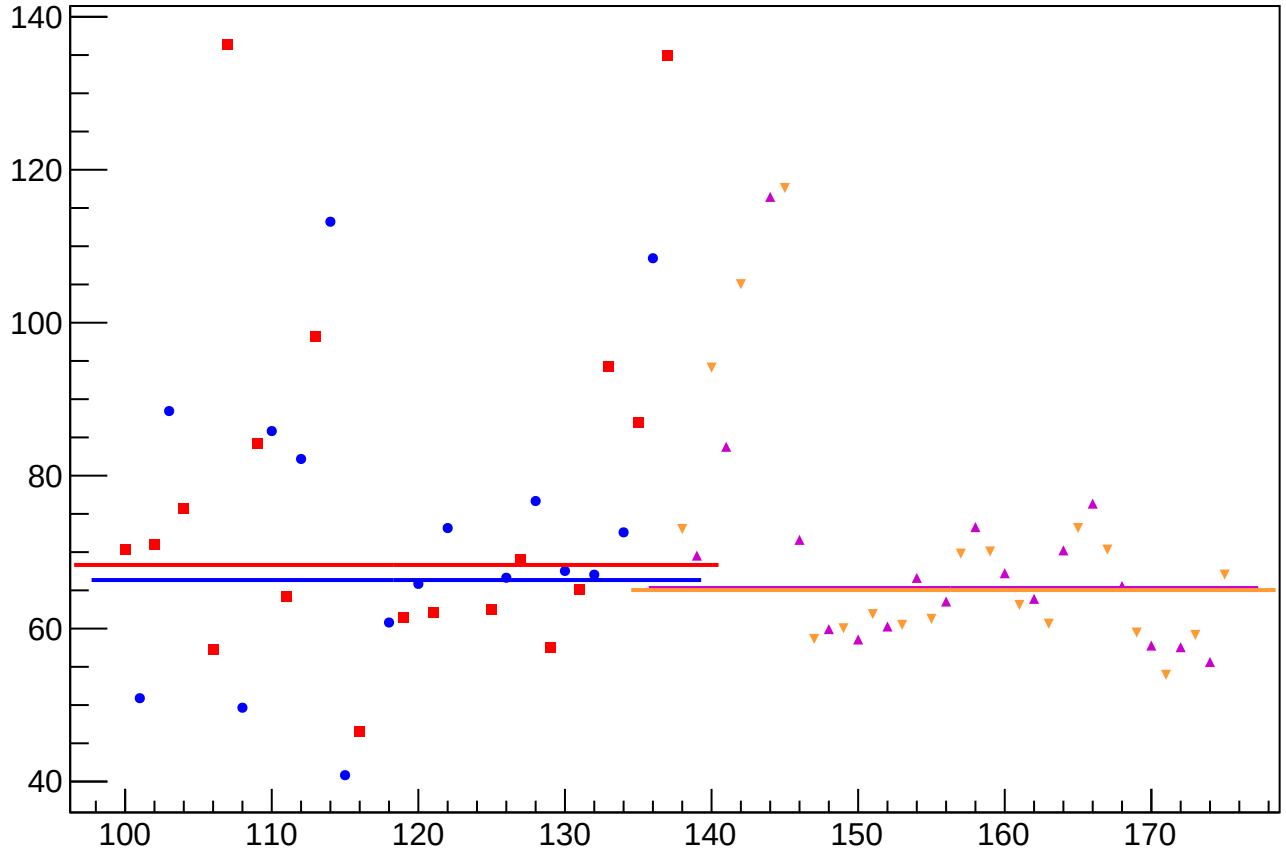
Left In: 42.863+/-0.008 χ^2/NDF:1108037.7/17

+ sign 43.375+/-0.007 χ^2/NDF: 2738259.3/34

All: 43.641+/-0.005 χ^2/NDF: 5101160.4/70

- sign 43.912+/-0.007 χ^2/NDF: 2360072.7/35


asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.035+/-0.026 χ²/NDF: 17.4/15
Left Out: -0.004+/-0.017 χ²/NDF:17.8/18
Right Out: -0.012+/-0.027 χ²/NDF: 22.8/17
Left In: -0.004+/-0.018 χ²/NDF:24.8/17
+ sign -0.014+/-0.015 χ²/NDF: 36.2/34
All: -0.010+/-0.010 χ²/NDF: 84.0/70
- sign -0.006+/-0.015 χ²/NDF: 47.6/35



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 65.038+/-0.012 χ^2/NDF:799184.3/18

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

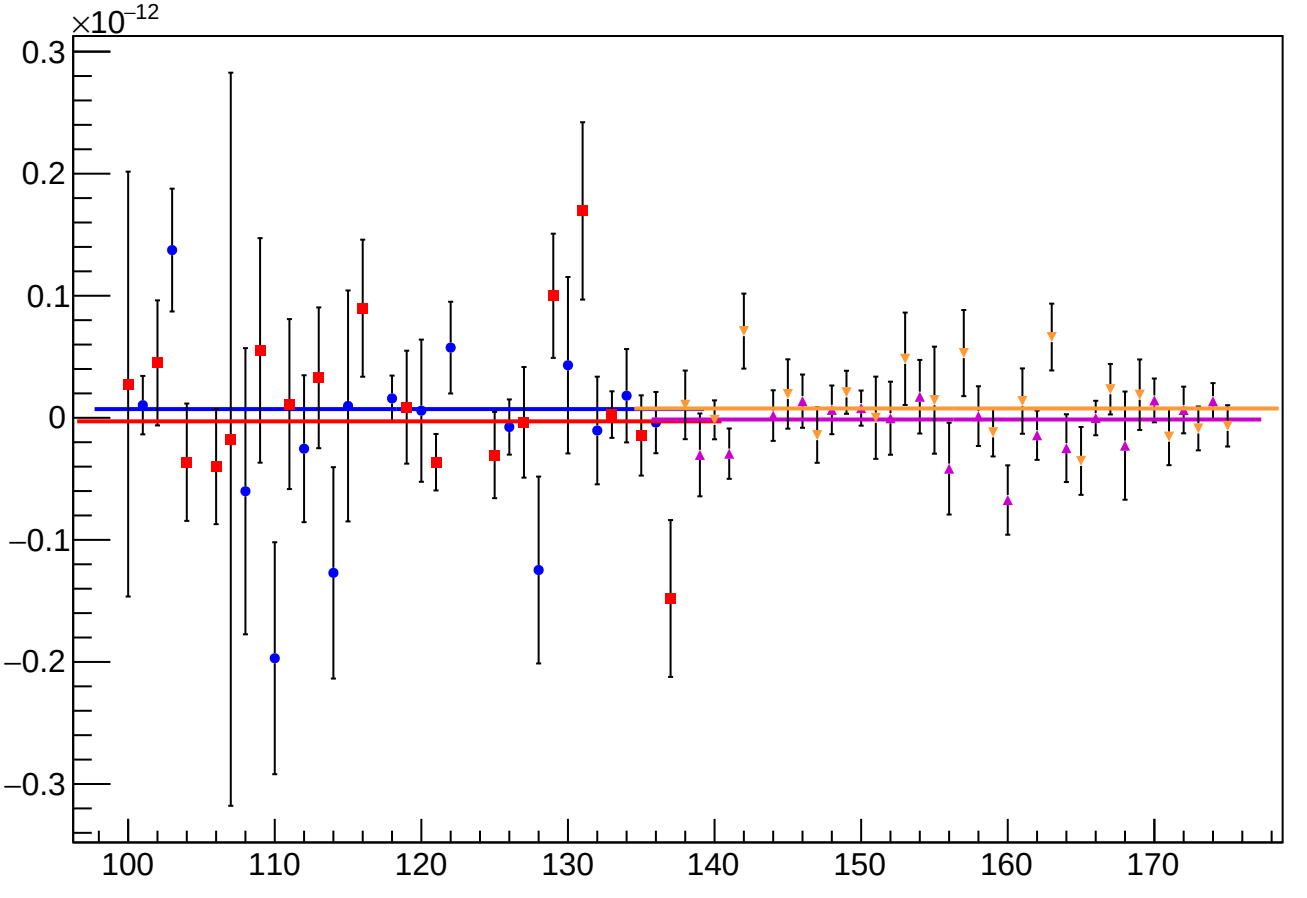
Left In: 65.305+/-0.012 χ^2/NDF:644316.8/17

+ sign 65.438+/-0.010 χ^2/NDF: 1575299.1/34

All: 65.816+/-0.007 χ^2/NDF: 2869691.7/70

- sign 66.203+/-0.010 χ^2/NDF: 1291644.4/35

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.4/18

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

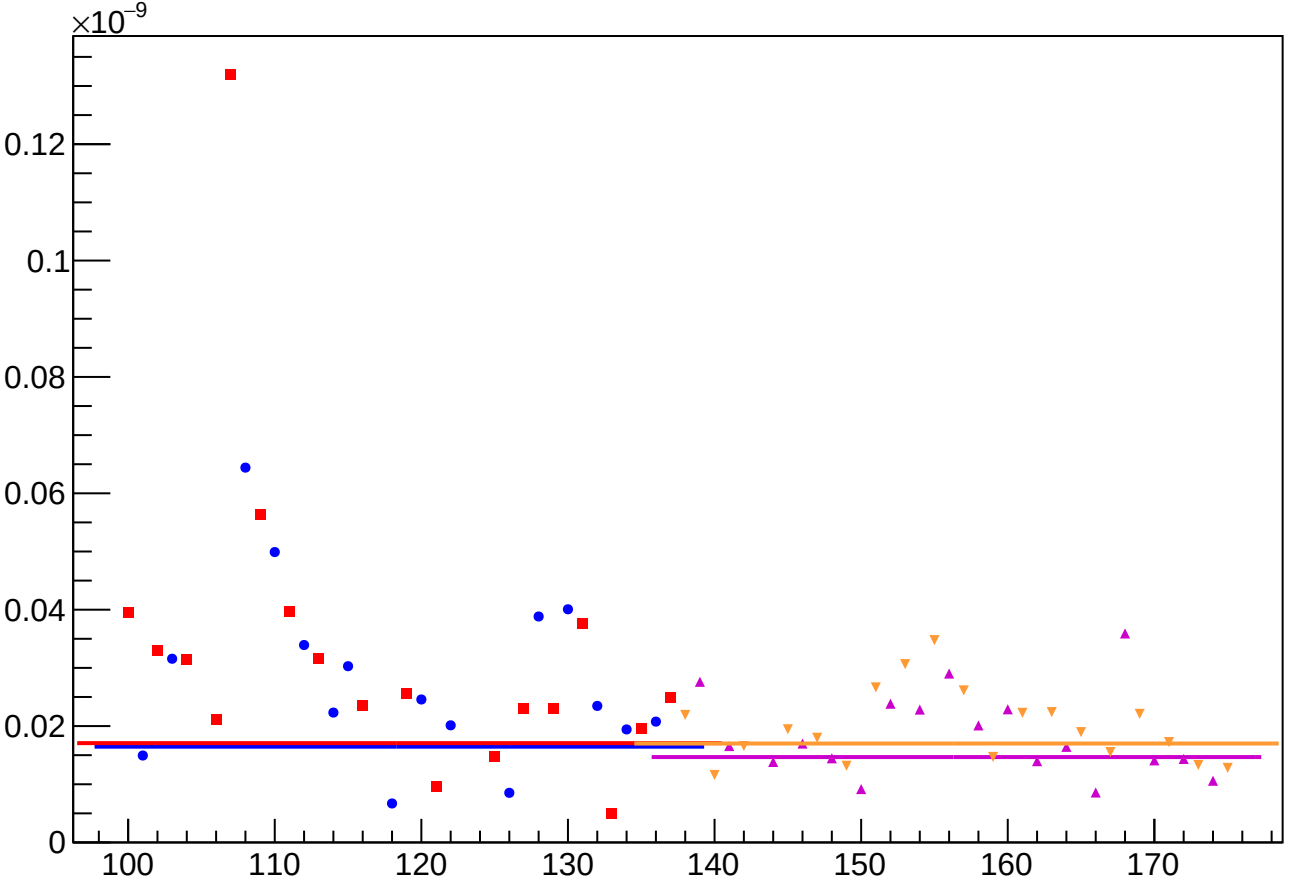
Left In: -0.000+/-0.000 χ^2/NDF:13.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 40.8/34

All: 0.000+/-0.000 χ^2/NDF: 80.1/70

- sign -0.000+/-0.000 χ^2/NDF: 37.3/35

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1761904.3/18

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

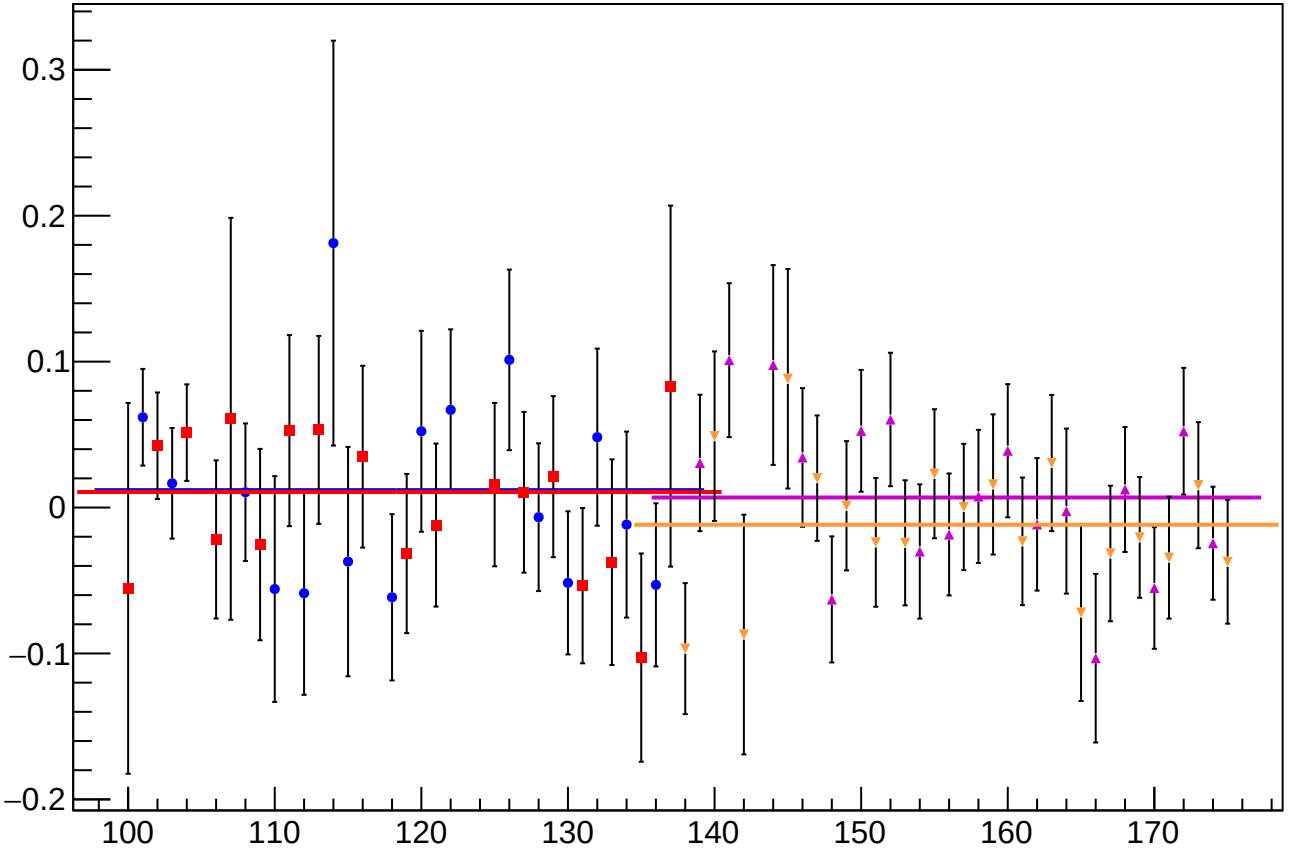
Left In: 0.000+/-0.000 χ^2/NDF:2510244.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 4112911.1/34

All: 0.000+/-0.000 χ^2/NDF: 9648694.2/70

- sign 0.000+/-0.000 χ^2/NDF: 5396264.0/35

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.012+/-0.011 χ^2/NDF:12.3/18

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

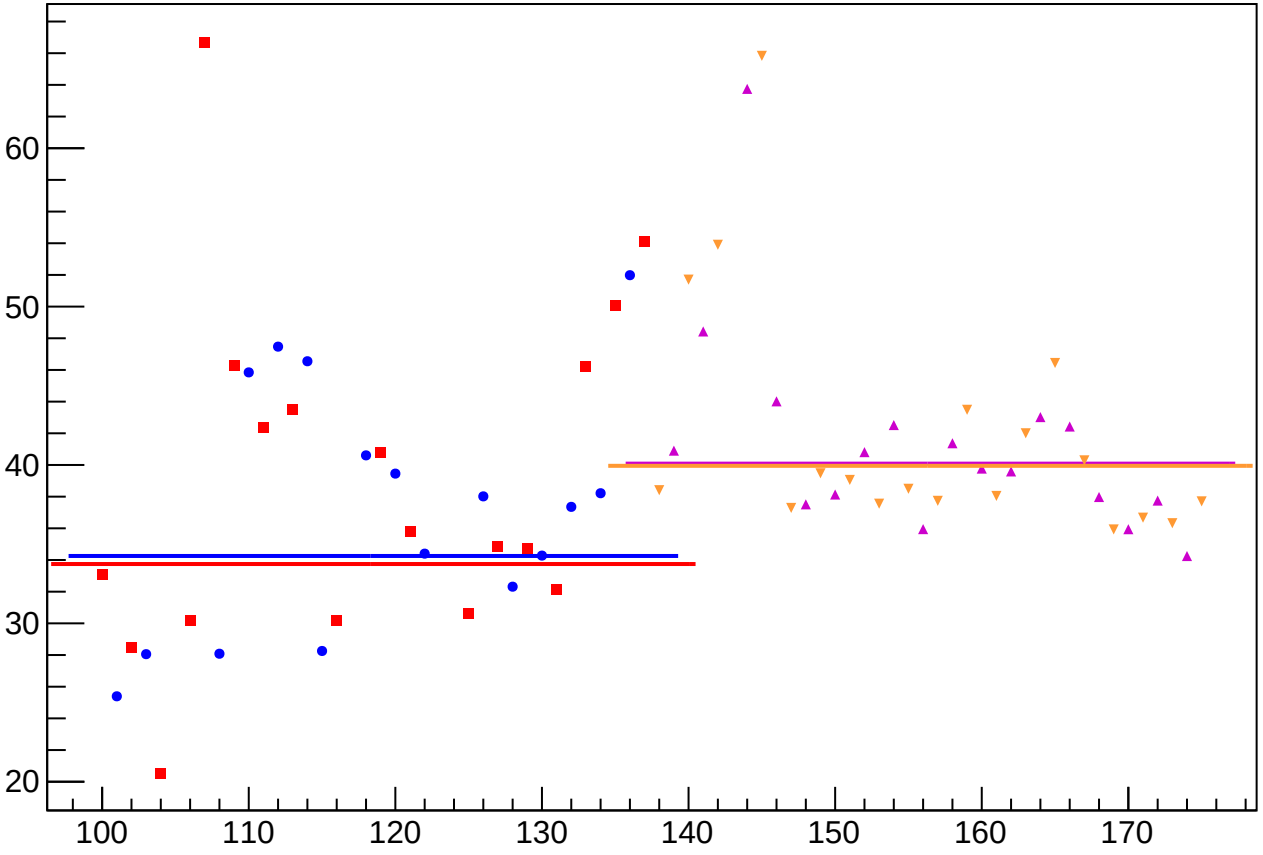
Left In: 0.007+/-0.011 χ^2/NDF:20.0/17

+ sign -0.003+/-0.008 χ^2/NDF: 28.8/34

All: 0.003+/-0.006 χ^2/NDF: 59.7/70

- sign 0.008+/-0.008 χ^2/NDF: 30.0/35

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.947+/-0.008 χ^2/NDF:493517.5/18

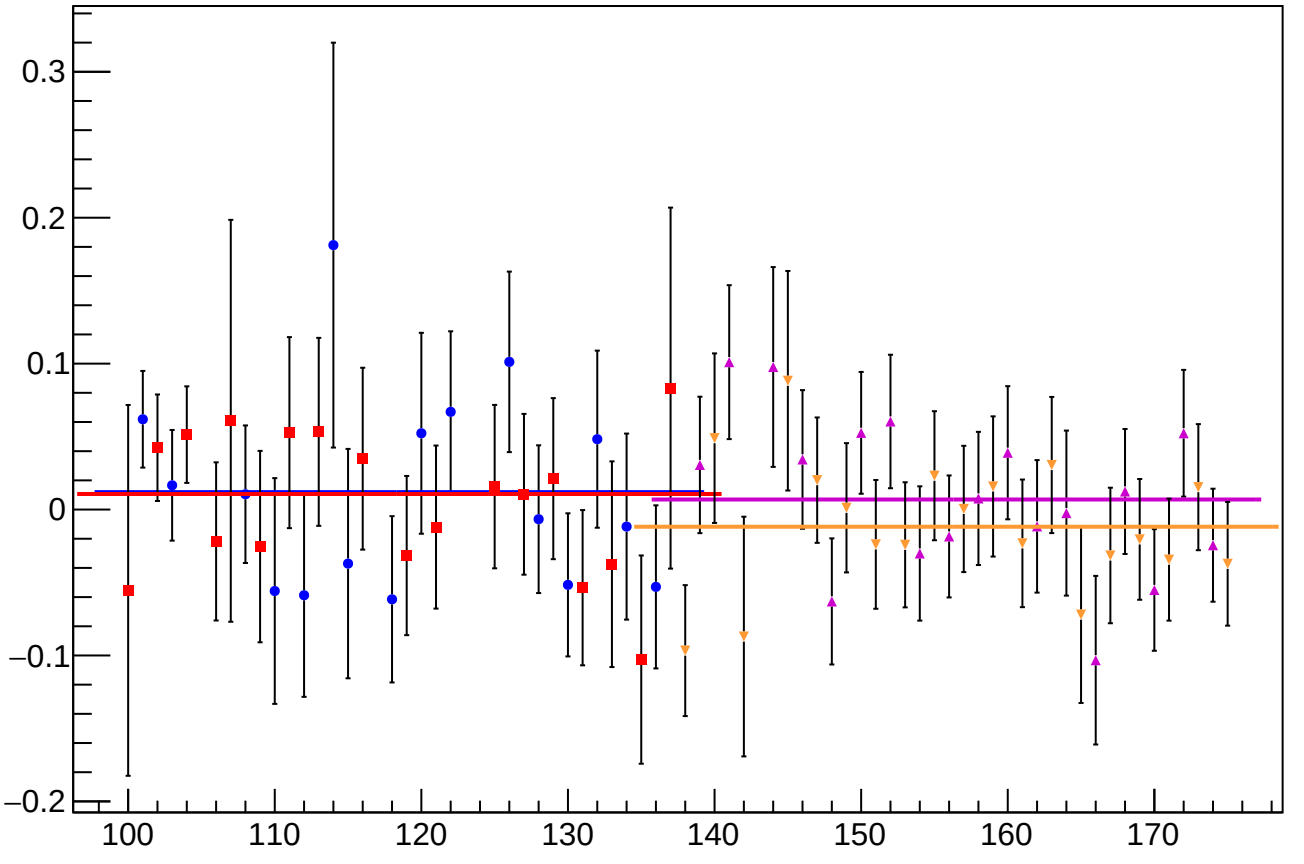
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 40.084+/-0.008 χ^2/NDF:426787.3/17

+ sign 37.763+/-0.006 χ^2/NDF: 1345118.2/34

All: 37.673+/-0.004 χ^2/NDF: 2953367.9/70

- sign 37.581+/-0.006 χ^2/NDF: 1607784.3/35



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

Left Out: -0.012+/-0.011 χ^2/NDF:12.3/18

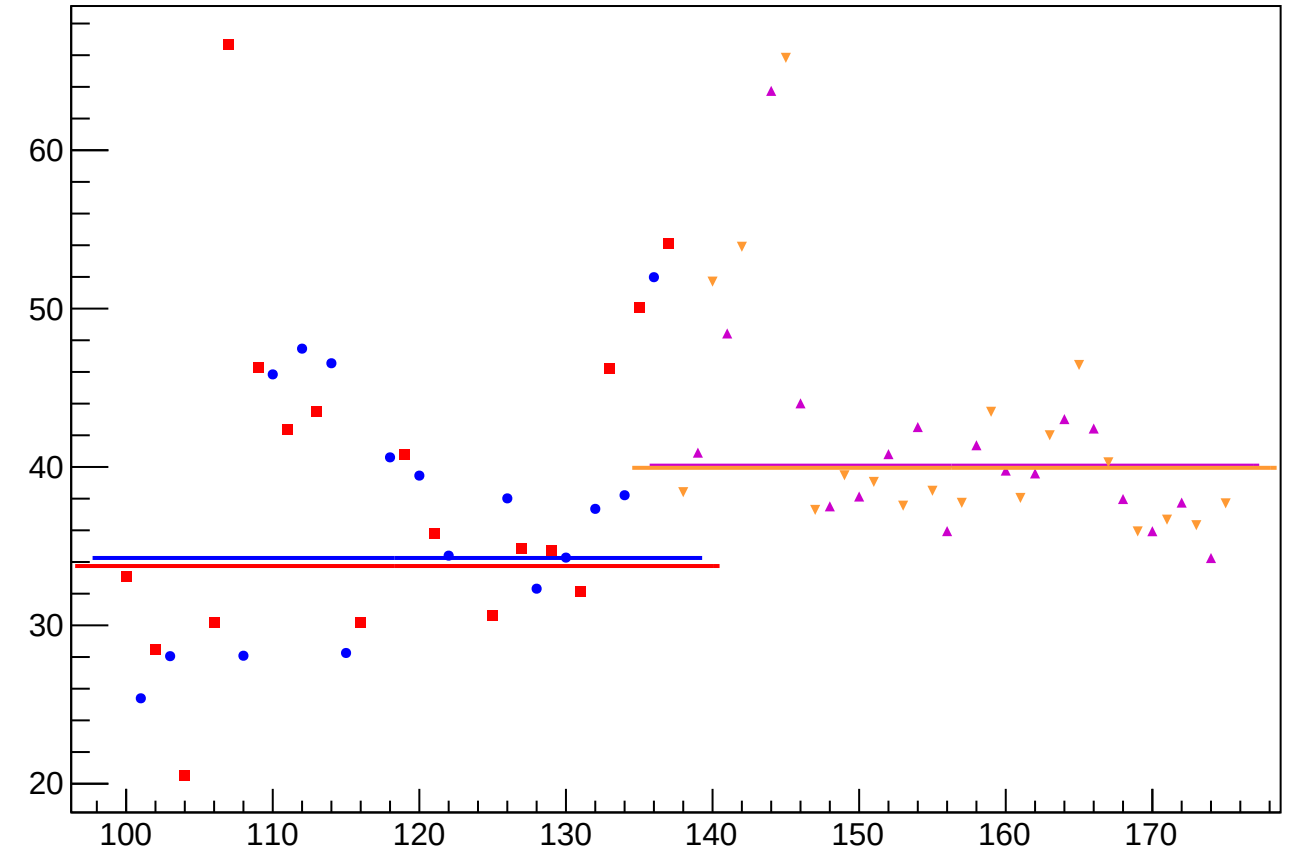
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.007+/-0.011 χ^2/NDF:20.0/17

+ sign -0.003+/-0.008 χ^2/NDF: 28.8/34

All: 0.003+/-0.006 χ^2/NDF: 59.7/70

- sign 0.008+/-0.008 χ^2/NDF: 30.0/35



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.947+/-0.008 χ^2/NDF:493517.5/18

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

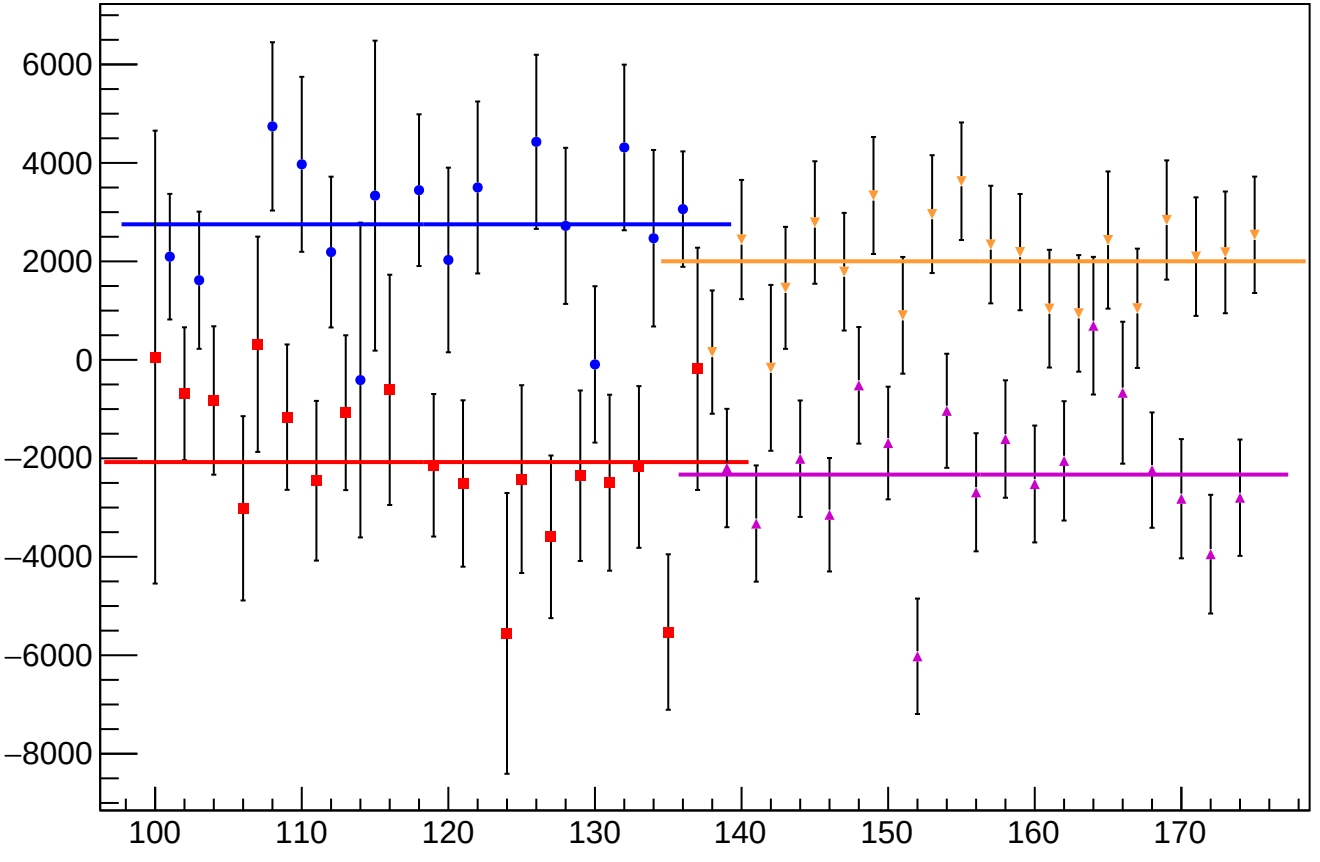
Left In: 40.084+/-0.008 χ^2/NDF:426787.3/17

+ sign 37.763+/-0.006 χ^2/NDF: 1345118.2/34

All: 37.673+/-0.004 χ^2/NDF: 2953367.9/70

- sign 37.581+/-0.006 χ^2/NDF: 1607784.3/35

reg_asym_usr_mean vs Slug



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

Left Out: 2002.180+/-274.635 χ^2/NDF:12.2/19

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

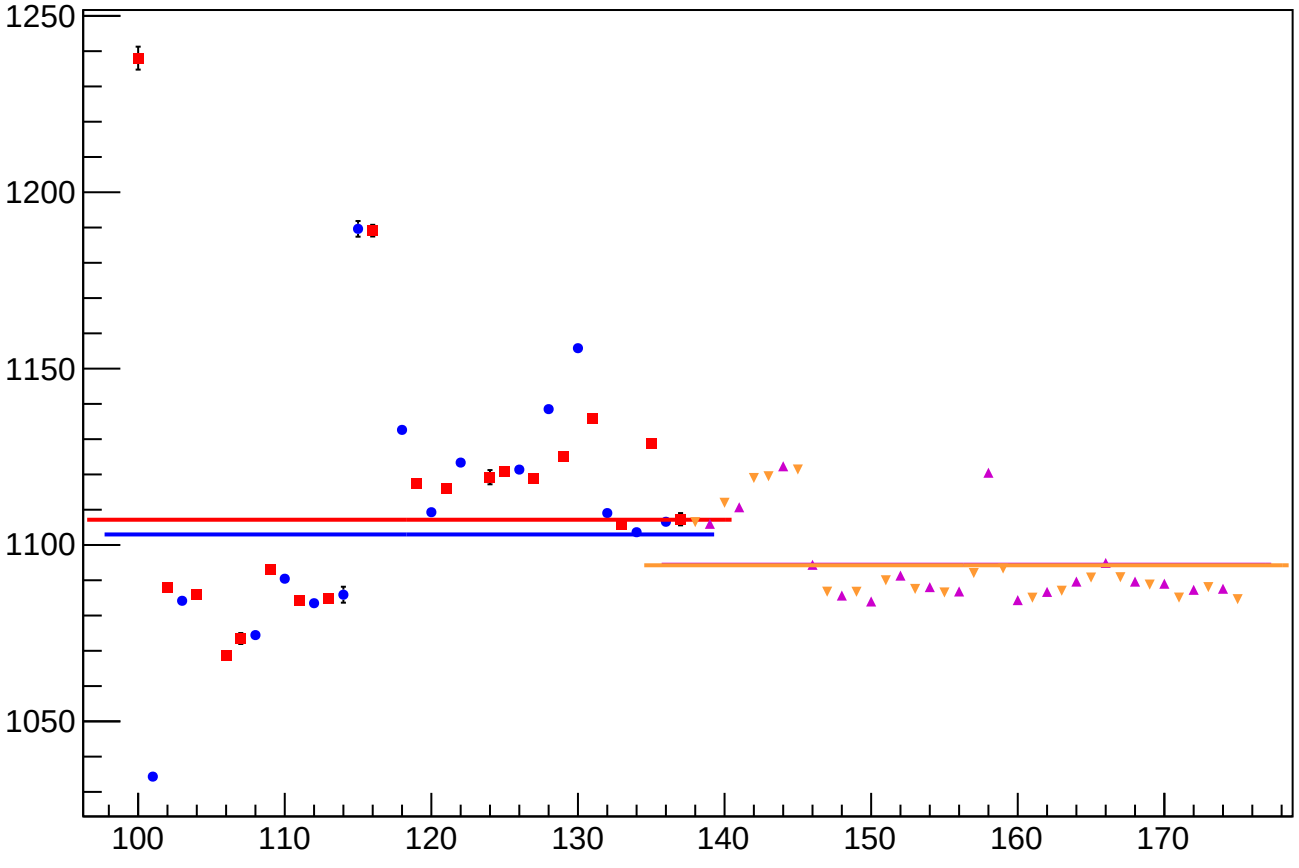
Left In: -2330.298+/-283.703 χ^2/NDF:23.8/17

+ sign 2234.889+/-228.147 χ^2/NDF: 24.0/35

All: 33.071+/-162.716 χ^2/NDF: 250.1/72

- sign -2246.411+/-232.136 χ^2/NDF: 36.6/36

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.247+/-0.194 χ^2/NDF:3730.3/19

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

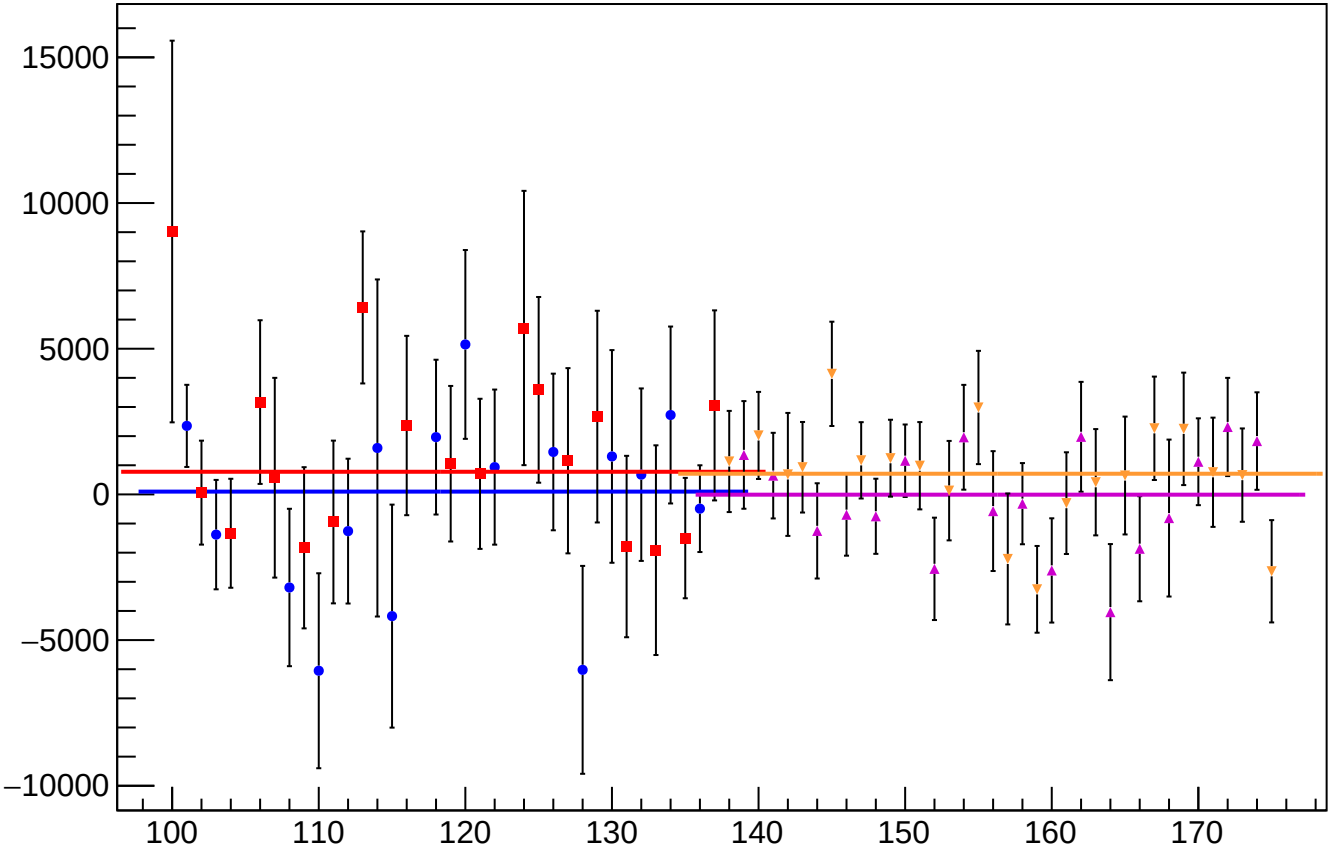
Left In: 1094.412+/-0.201 χ^2/NDF:3521.6/17

+ sign 1096.956+/-0.161 χ^2/NDF: 17581.9/35

All: 1097.776+/-0.115 χ^2/NDF: 31174.0/72

- sign 1098.625+/-0.164 χ^2/NDF: 13539.5/36

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 709.292+/-376.672 χ^2/NDF:20.5/19

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

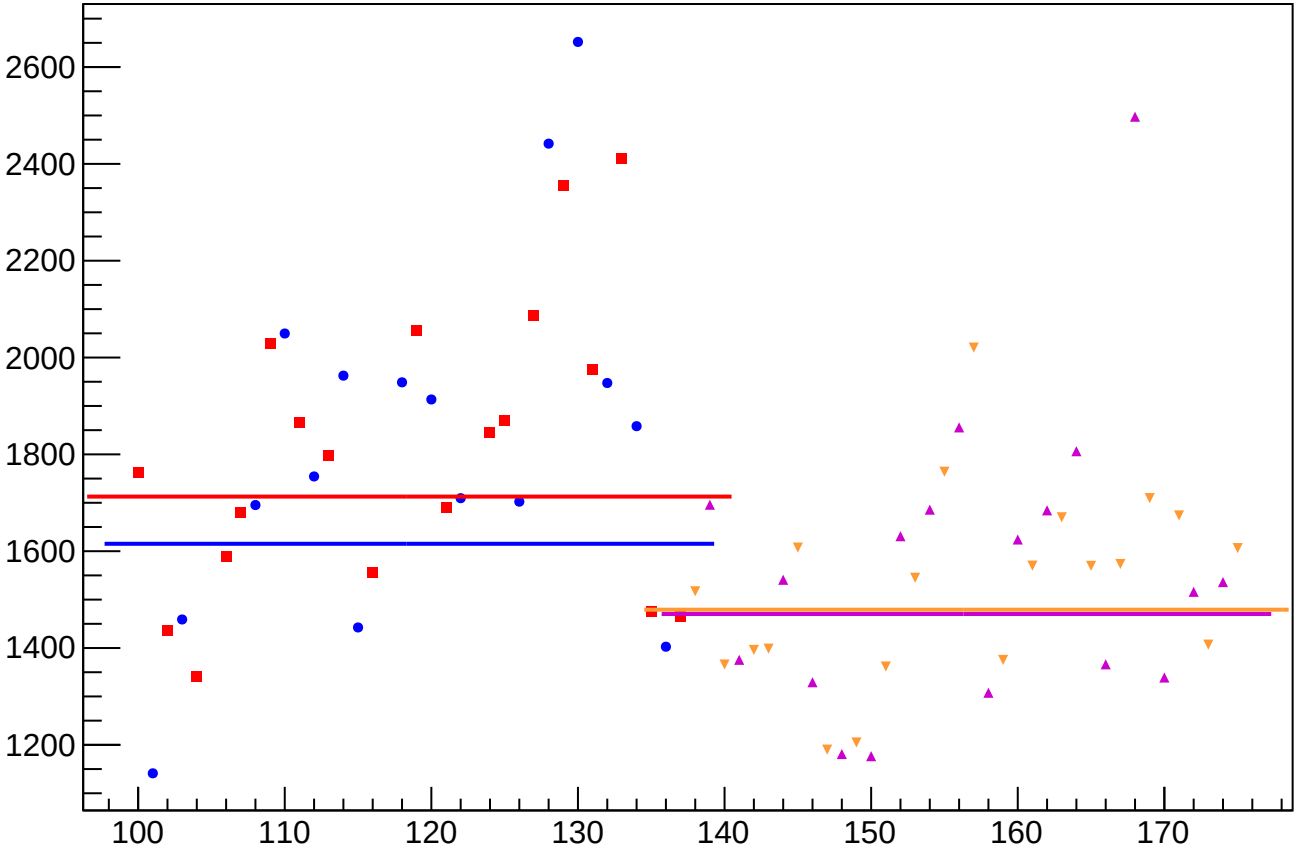
Left In: -9.378+/-387.742 χ^2/NDF:17.2/17

+ sign 543.196+/-321.651 χ^2/NDF: 38.2/35

All: 378.188+/-230.745 χ^2/NDF: 72.1/72

- sign 203.233+/-331.203 χ^2/NDF: 33.4/36

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1479.183+/-0.266 χ^2/NDF:500676.1/19

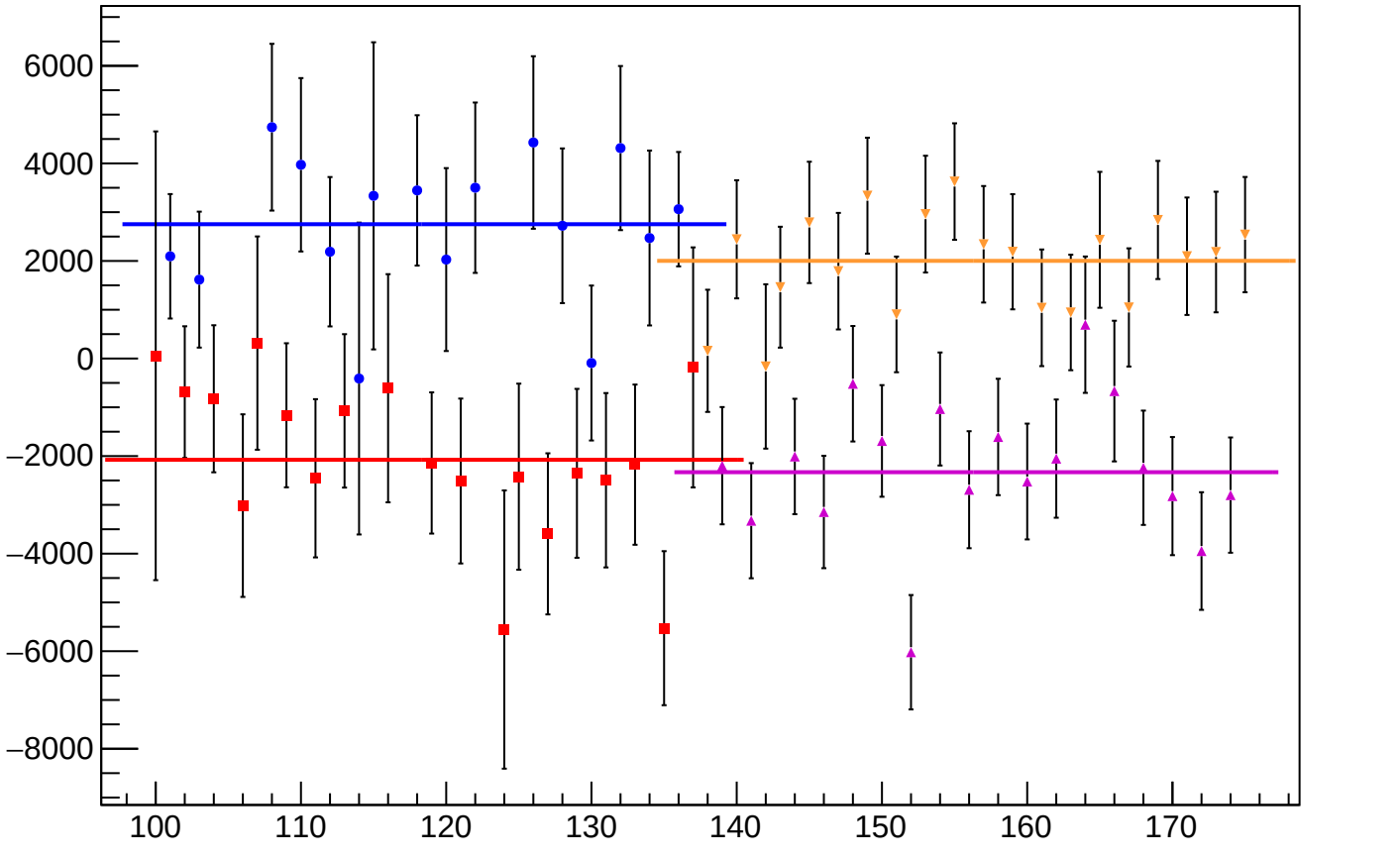
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1470.250+/-0.274 χ^2/NDF:816864.5/17

+ sign 1516.049+/-0.227 χ^2/NDF: 1265049.2/35

All: 1525.649+/-0.163 χ^2/NDF: 2725240.5/72

- sign 1535.827+/-0.234 χ^2/NDF: 1456520.9/36



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

Left Out: 2002.180+/-274.635 χ^2/NDF:12.2/19

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

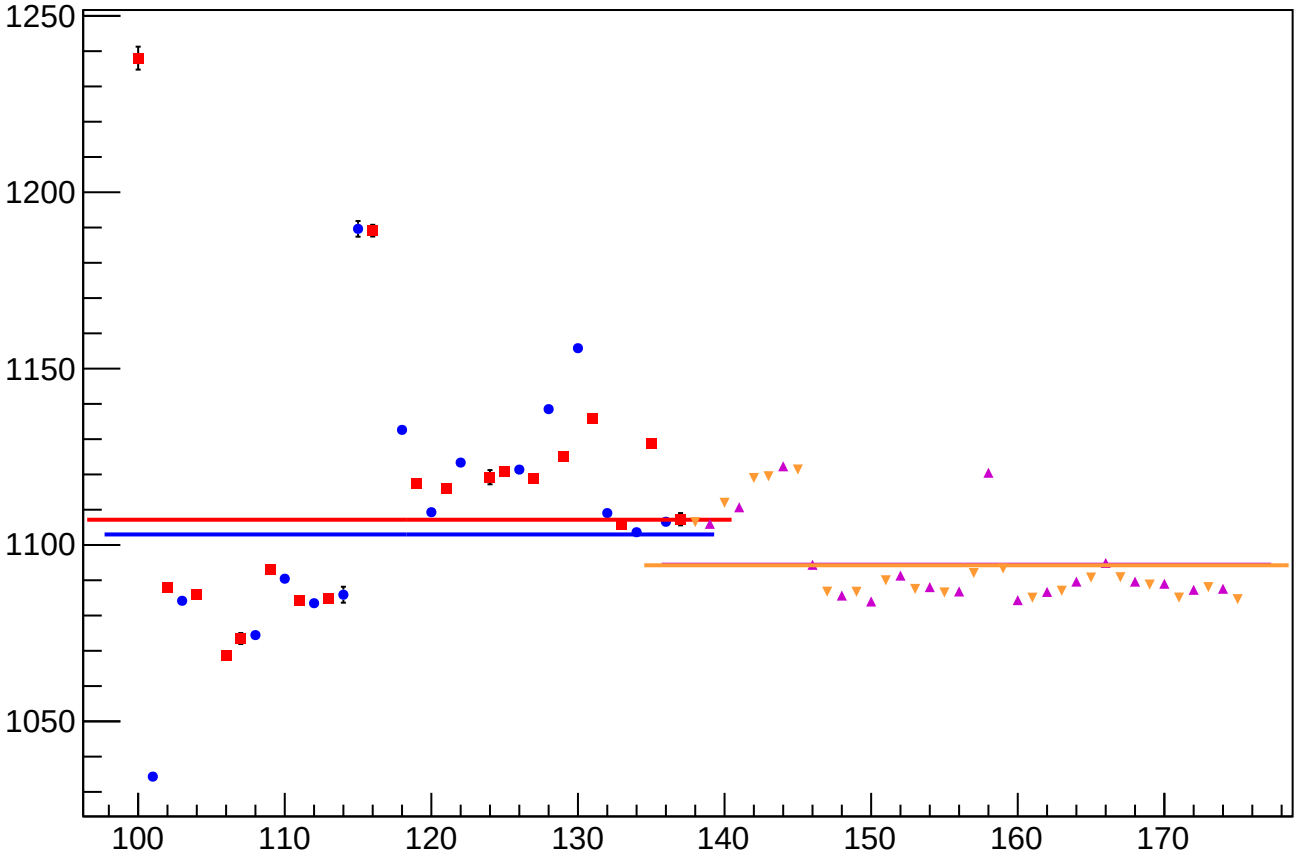
Left In: -2330.298+/-283.703 χ^2/NDF:23.8/17

+ sign 2234.889+/-228.147 χ^2/NDF: 24.0/35

All: 33.071+/-162.716 χ^2/NDF: 250.1/72

- sign -2246.411+/-232.136 χ^2/NDF: 36.6/36

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.247+/-0.194 χ^2/NDF:3730.3/19

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

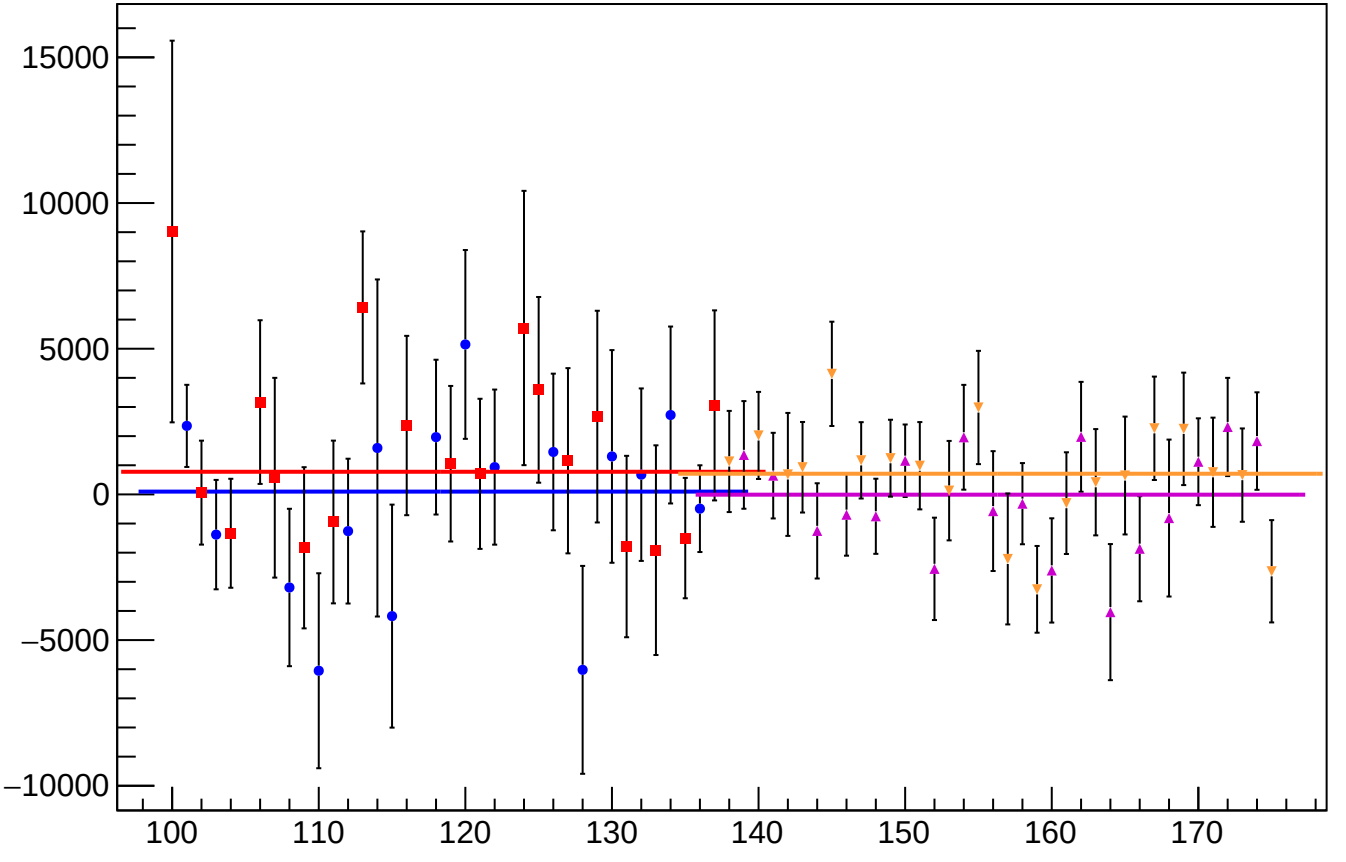
Left In: 1094.412+/-0.201 χ^2/NDF:3521.6/17

+ sign 1096.956+/-0.161 χ^2/NDF: 17581.9/35

All: 1097.776+/-0.115 χ^2/NDF: 31174.0/72

- sign 1098.625+/-0.164 χ^2/NDF: 13539.5/36

asym_usr_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 709.292+/-376.672 χ^2/NDF:20.5/19

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

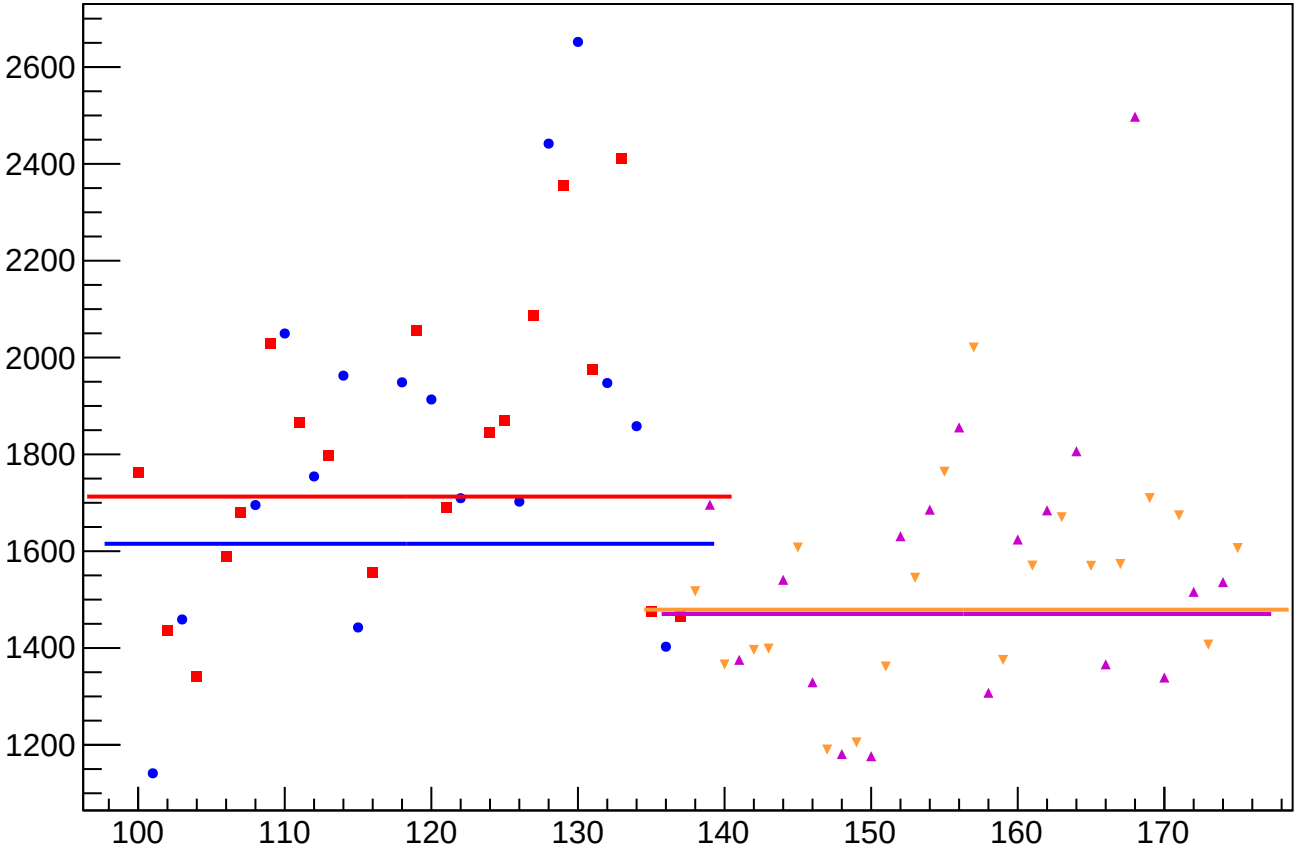
Left In: -9.378+/-387.742 χ^2/NDF:17.2/17

+ sign 543.196+/-321.651 χ^2/NDF: 38.2/35

All: 378.188+/-230.745 χ^2/NDF: 72.1/72

- sign 203.233+/-331.203 χ^2/NDF: 33.4/36

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1479.183+/-0.266 χ^2/NDF:500676.1/19

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

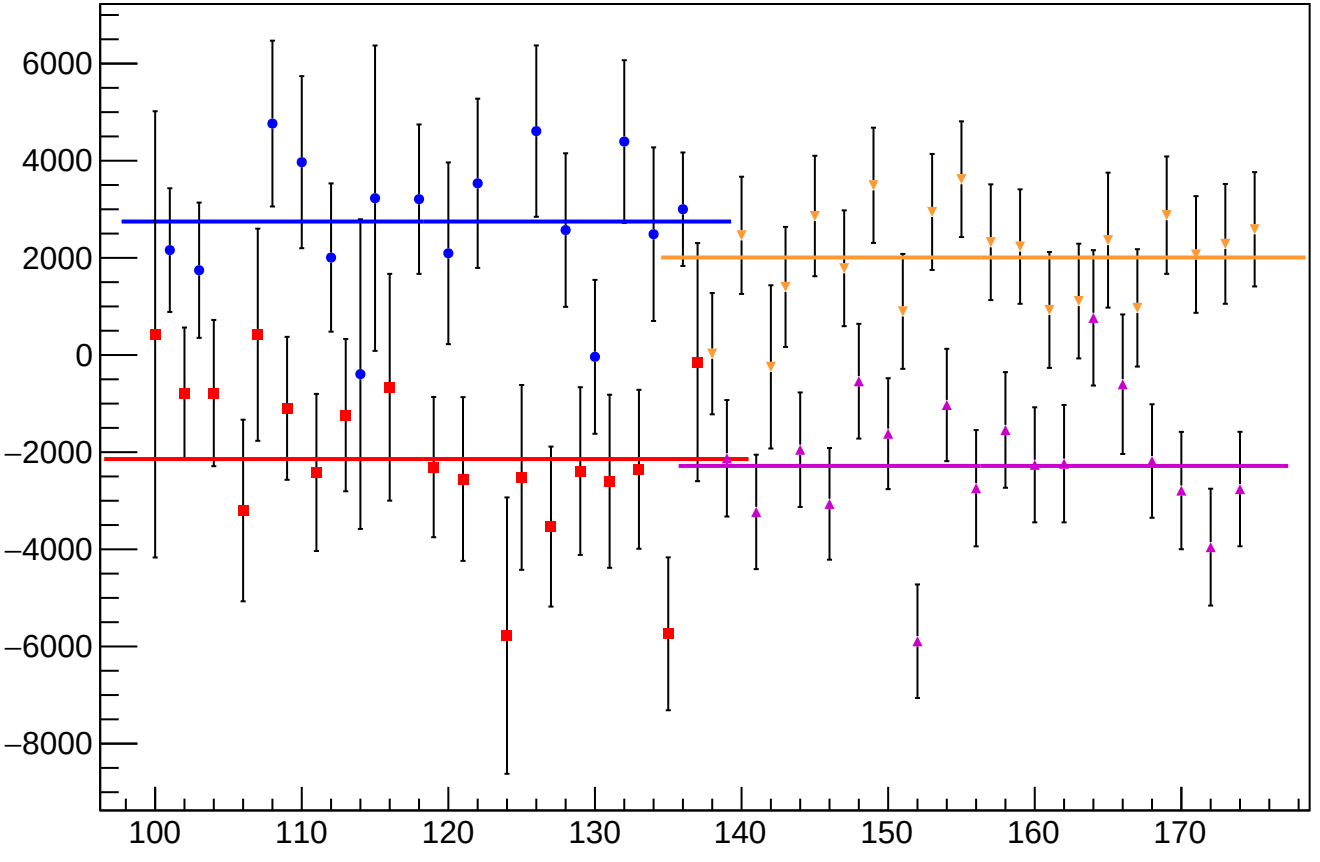
Left In: 1470.250+/-0.274 χ^2/NDF:816864.5/17

+ sign 1516.049+/-0.227 χ^2/NDF: 1265049.2/35

All: 1525.649+/-0.163 χ^2/NDF: 2725240.5/72

- sign 1535.827+/-0.234 χ^2/NDF: 1456520.9/36

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2008.041+/-273.901 χ^2/NDF:13.2/19

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

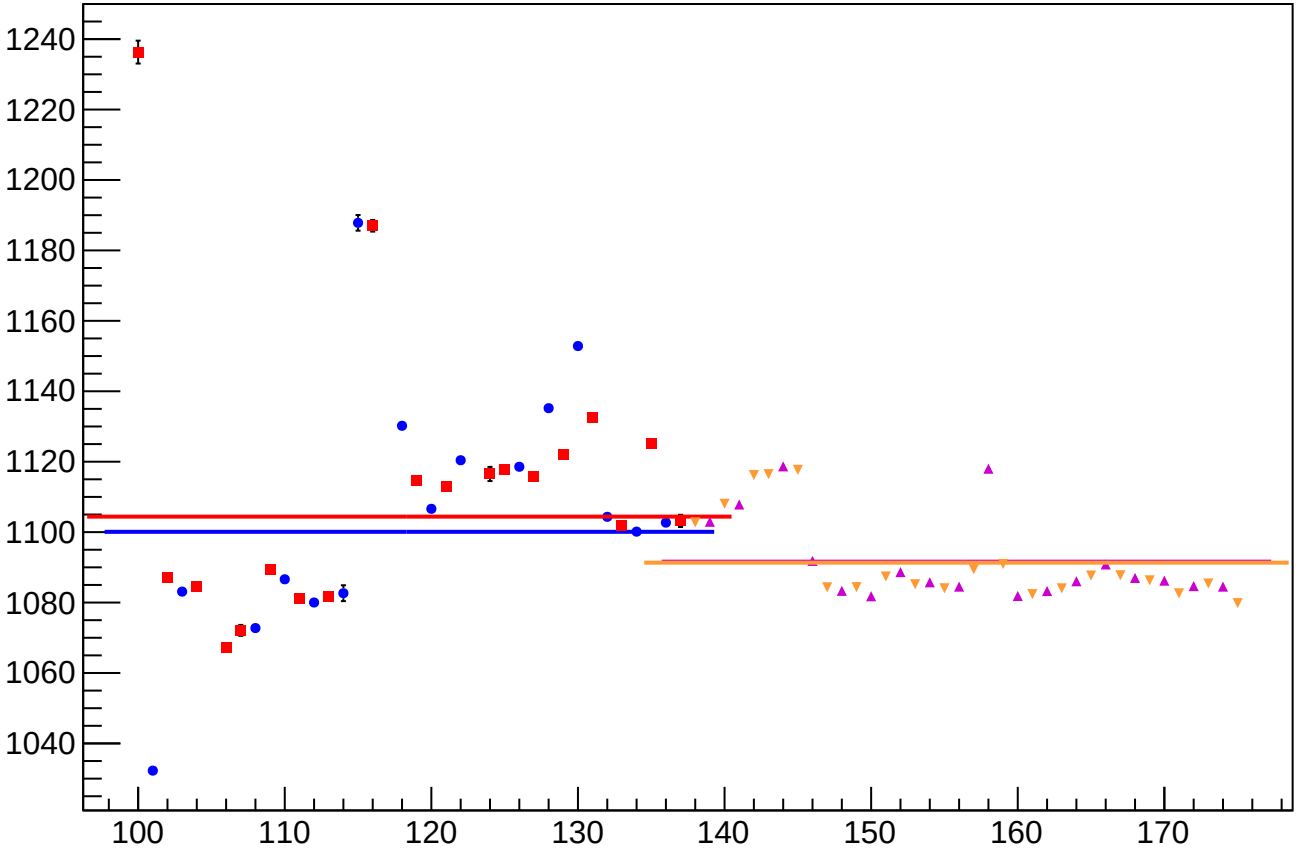
Left In: -2283.238+/-282.978 χ^2/NDF:23.4/17

+ sign 2237.314+/-227.540 χ^2/NDF: 25.0/35

All: 39.555+/-162.293 χ^2/NDF: 251.9/72

- sign -2236.290+/-231.547 χ^2/NDF: 37.0/36

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1091.327+/-0.194 χ^2/NDF:3609.5/19

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

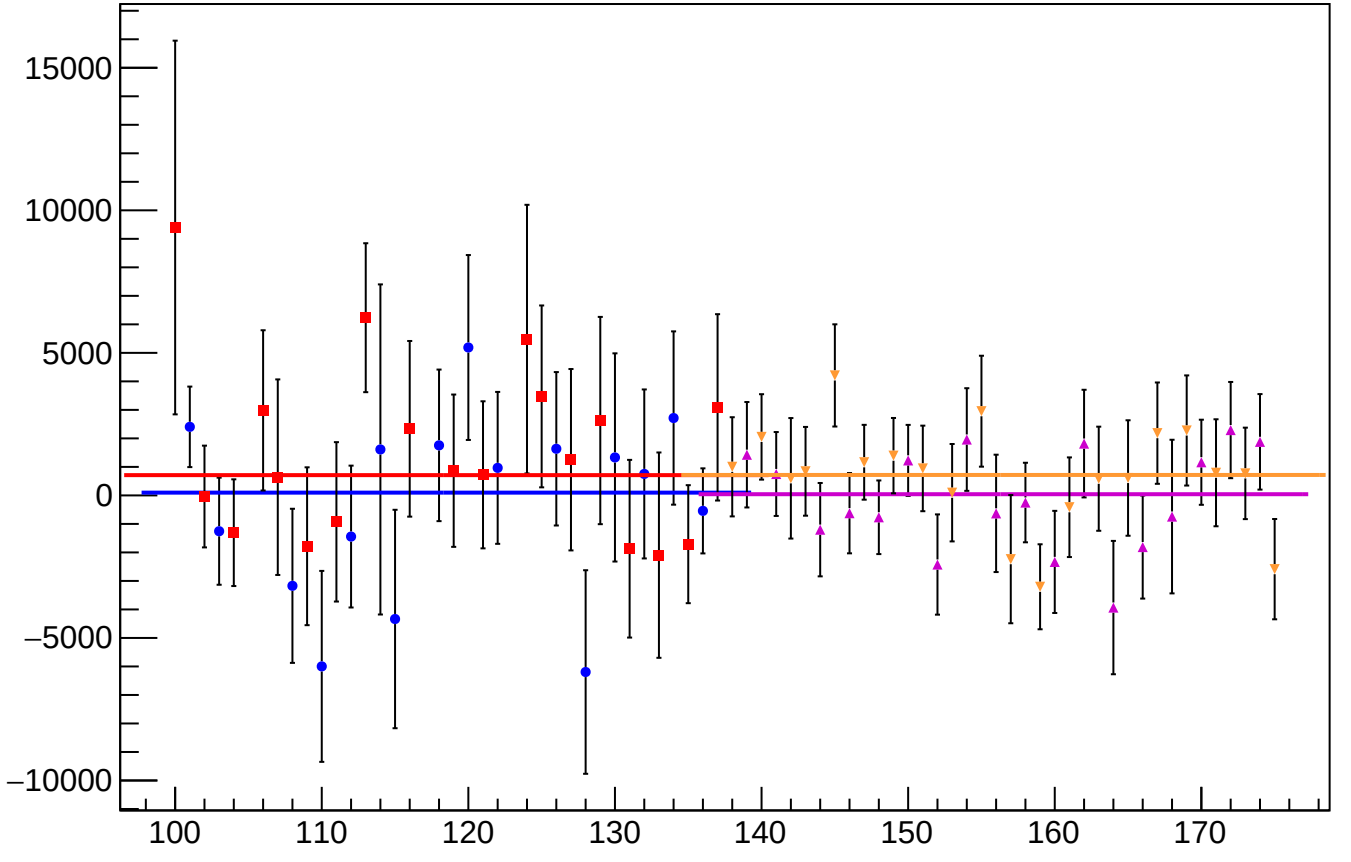
Left In: 1091.617+/-0.200 χ^2/NDF:3451.0/17

+ sign 1094.042+/-0.161 χ^2/NDF: 17321.1/35

All: 1094.926+/-0.115 χ^2/NDF: 30726.4/72

- sign 1095.842+/-0.164 χ^2/NDF: 13343.9/36

asym_usr_overload_cor_correction_mean vs Slug



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 717.358+/-377.246 χ^2/NDF:20.4/19

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

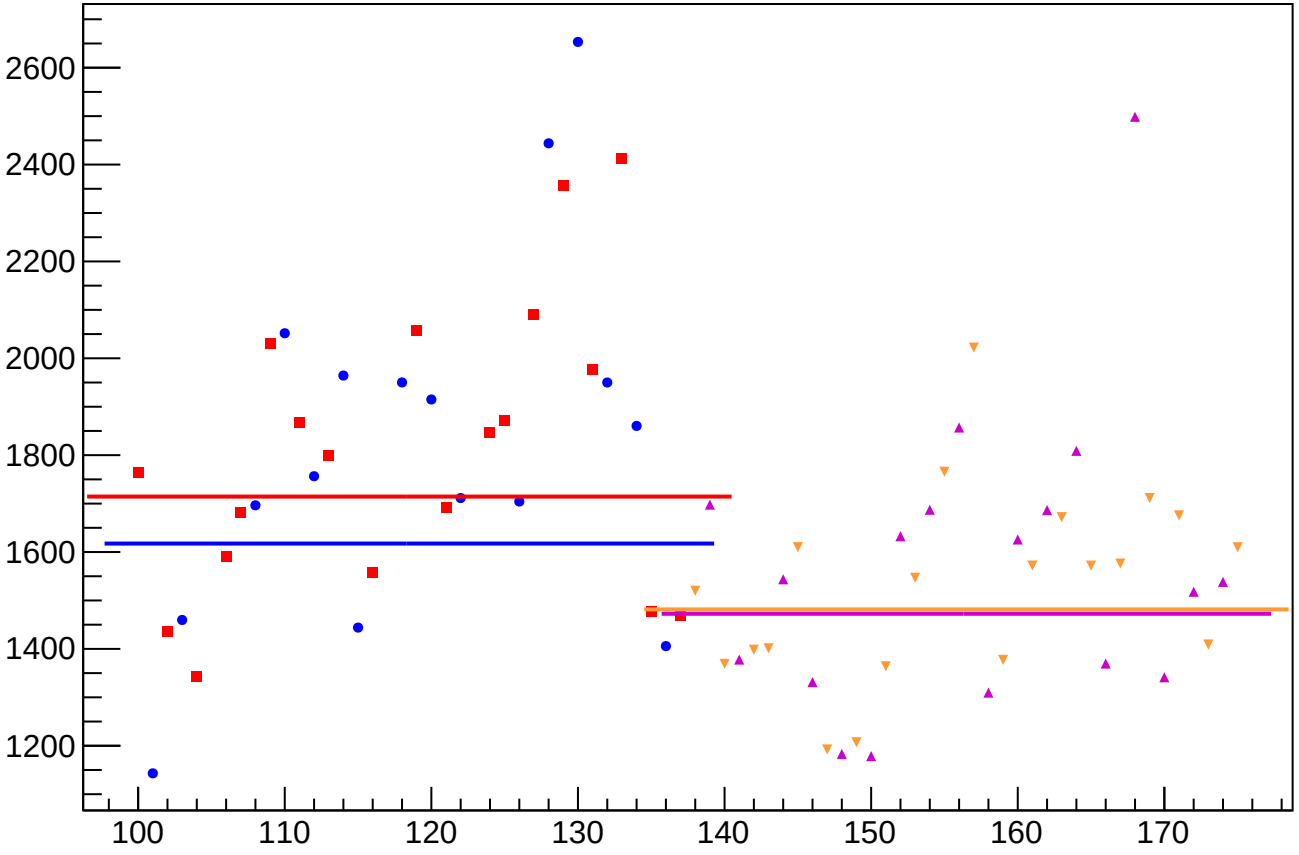
Left In: 42.096+/-388.317 χ^2/NDF:16.4/17

\+ sign 549.415+/-322.119 χ^2/NDF: 38.4/35

All: 391.041+/-231.068 χ^2/NDF: 71.0/72

\- sign 223.158+/-331.649 χ^2/NDF: 32.1/36

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1481.530+/-0.267 χ^2/NDF:498647.5/19

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

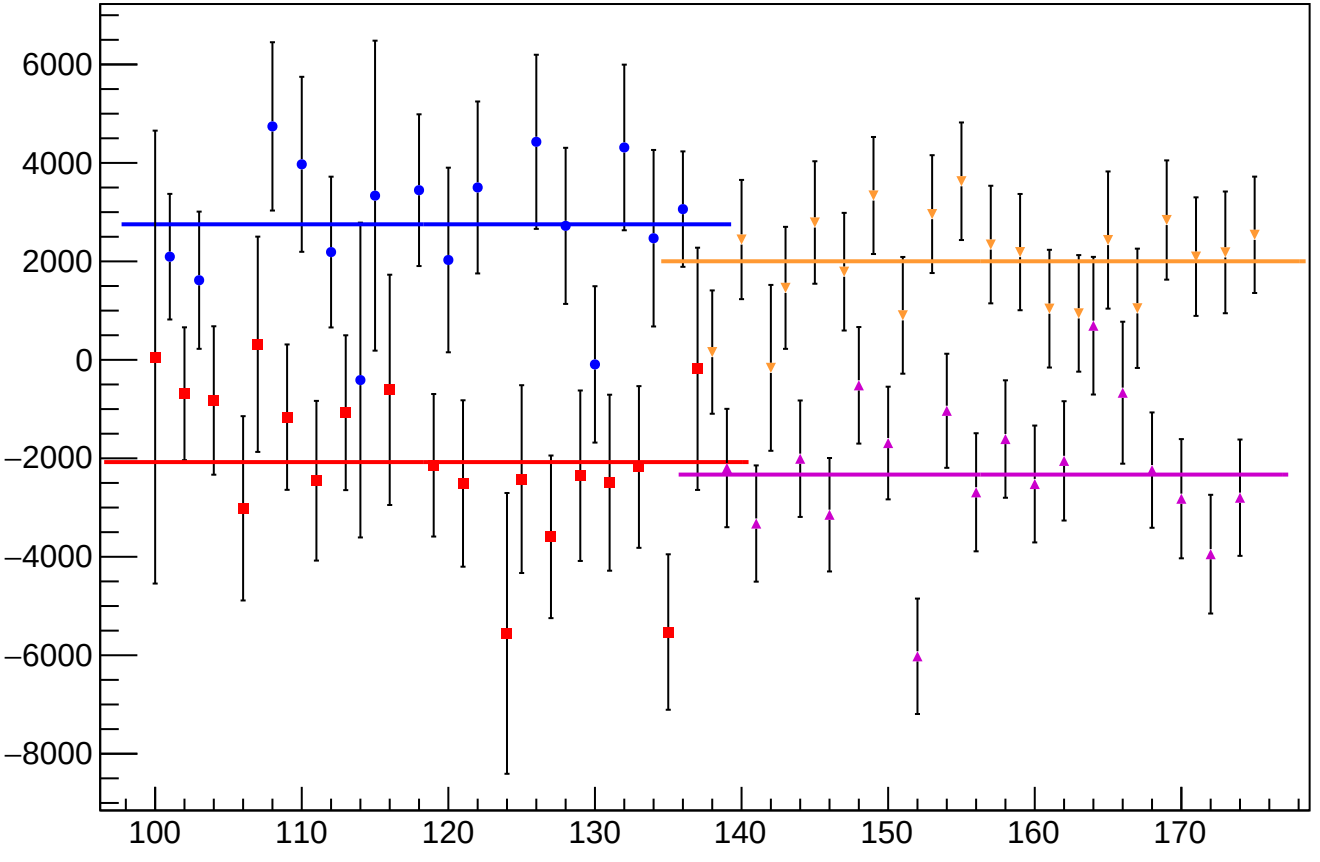
Left In: 1472.525+/-0.275 χ^2/NDF:813922.7/17

+ sign 1518.363+/-0.228 χ^2/NDF: 1260750.5/35

All: 1527.894+/-0.163 χ^2/NDF: 2716128.0/72

- sign 1537.998+/-0.235 χ^2/NDF: 1451770.1/36

eigen_cor_asym_usr_mean vs Slug



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

Left Out: 2002.180+/-274.635 χ^2/NDF:12.2/19

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

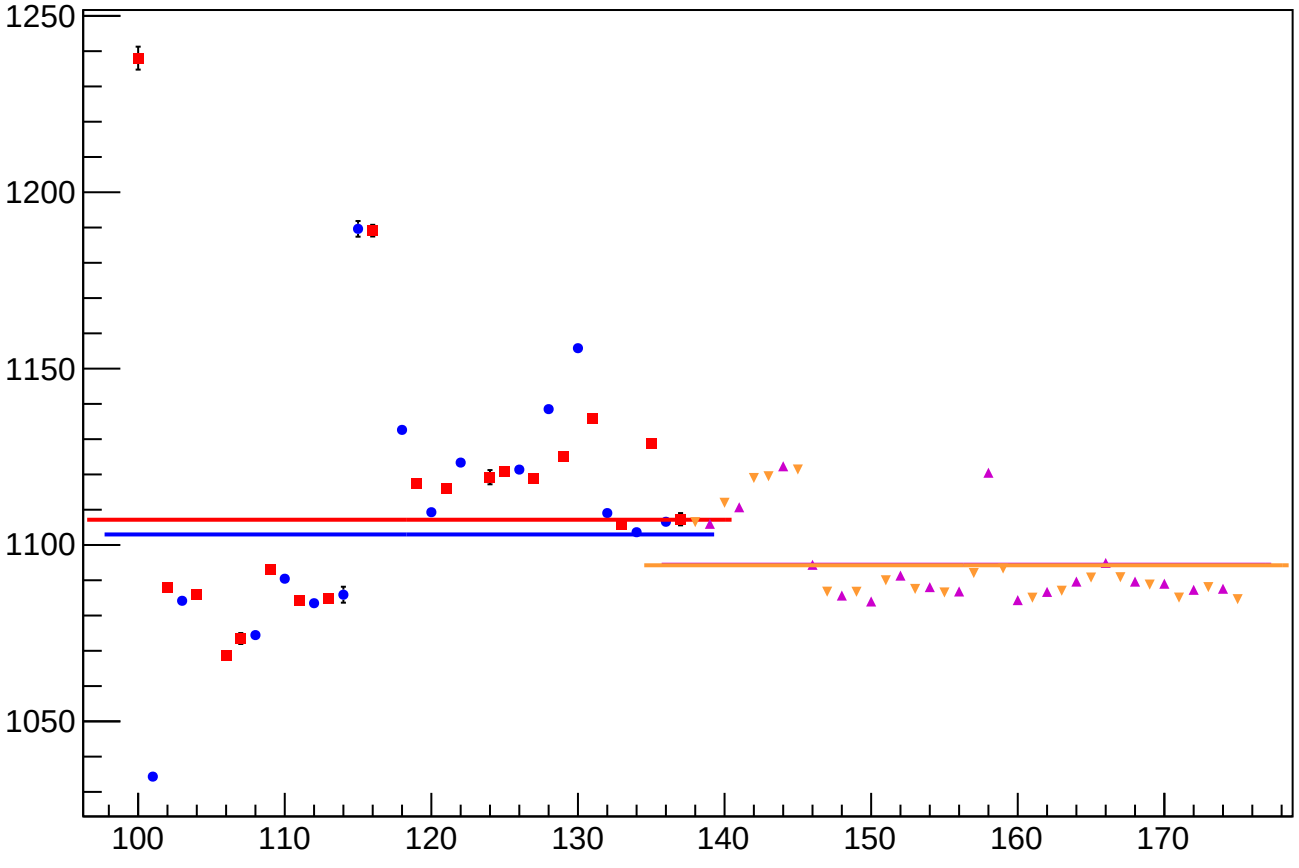
Left In: -2330.298+/-283.703 χ^2/NDF:23.8/17

+ sign 2234.889+/-228.147 χ^2/NDF: 24.0/35

All: 33.071+/-162.716 χ^2/NDF: 250.1/72

- sign -2246.411+/-232.136 χ^2/NDF: 36.6/36

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.247+/-0.194 χ^2/NDF:3730.3/19

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

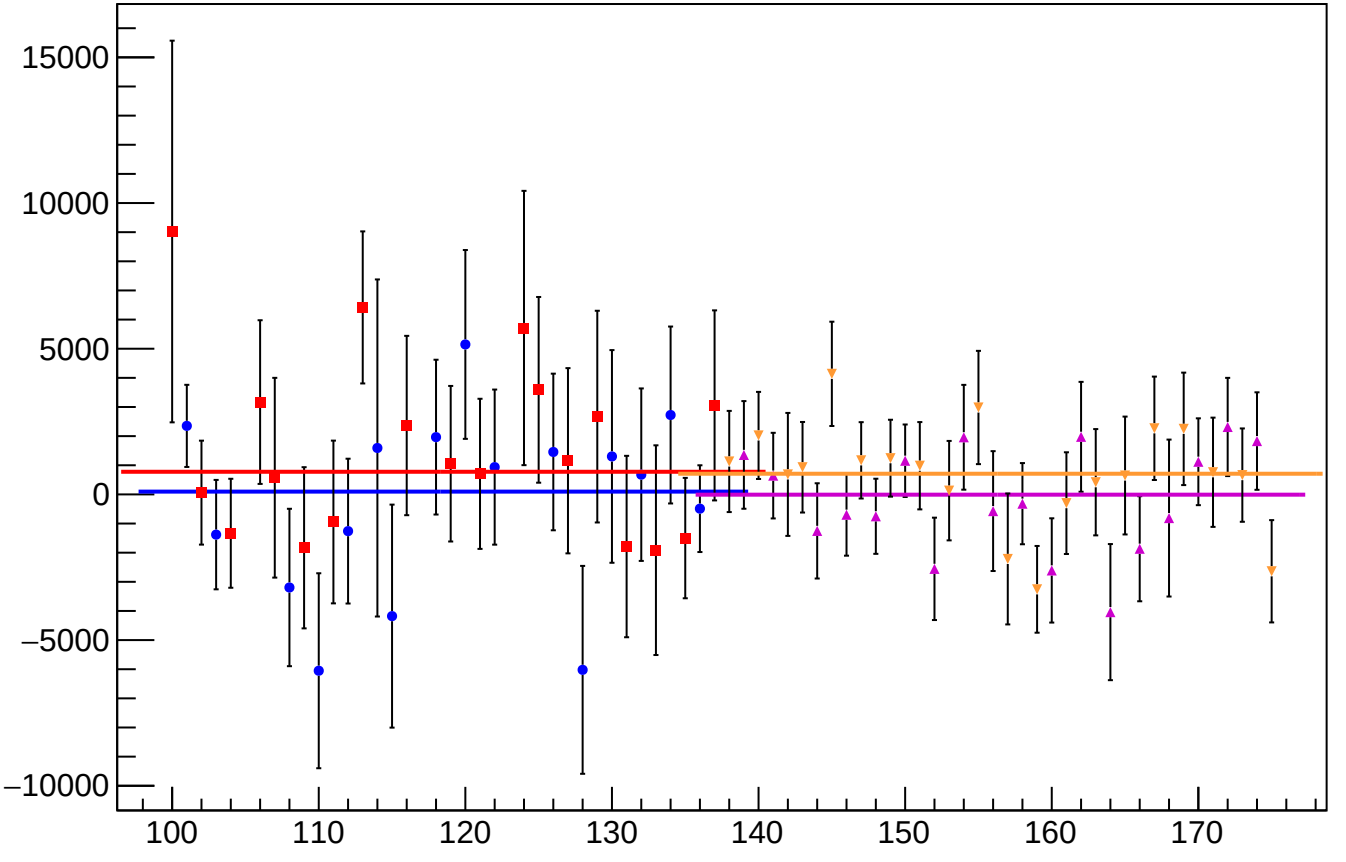
Left In: 1094.412+/-0.201 χ^2/NDF:3521.6/17

+ sign 1096.956+/-0.161 χ^2/NDF: 17581.9/35

All: 1097.776+/-0.115 χ^2/NDF: 31174.0/72

- sign 1098.625+/-0.164 χ^2/NDF: 13539.5/36

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 709.292+/-376.672 χ^2/NDF:20.5/19

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

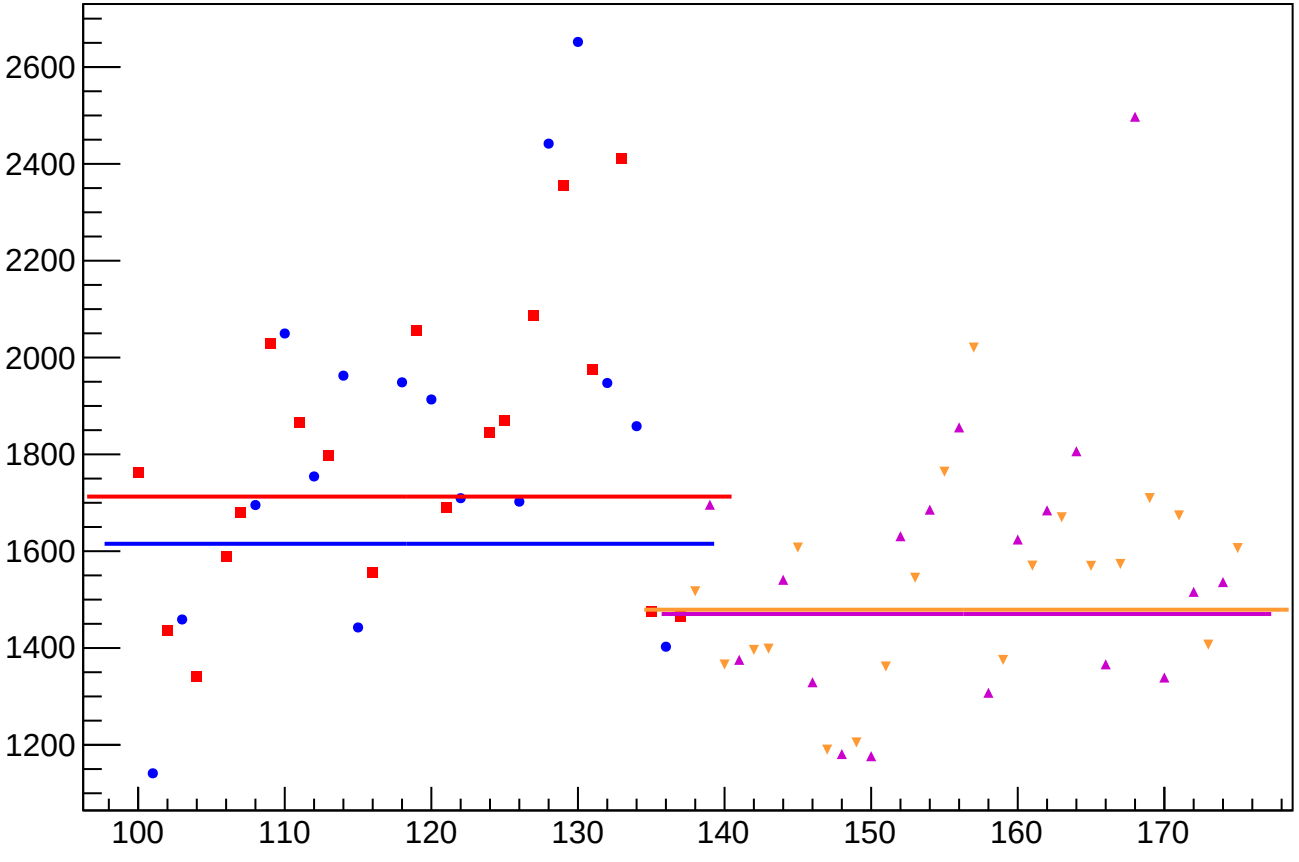
Left In: -9.378+/-387.742 χ^2/NDF:17.2/17

+ sign 543.196+/-321.651 χ^2/NDF: 38.2/35

All: 378.188+/-230.745 χ^2/NDF: 72.1/72

- sign 203.233+/-331.203 χ^2/NDF: 33.4/36

asym_usr_eigen_cor_correction_rms vs Slug



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Left Out: 1479.183+/-0.266 χ^2/NDF:500676.1/19

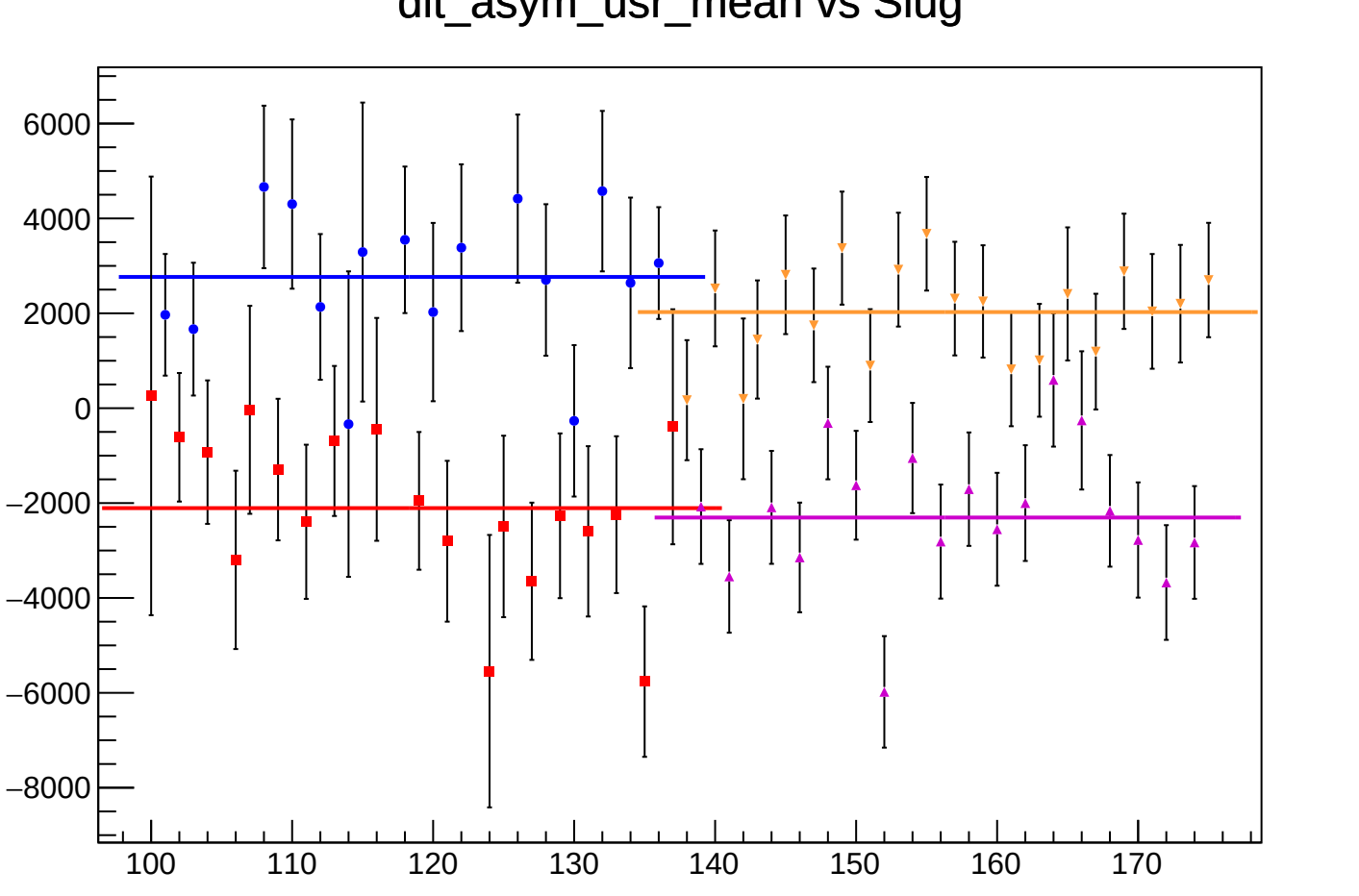
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1470.250+/-0.274 χ^2/NDF:816864.5/17

+ sign 1516.049+/-0.227 χ^2/NDF: 1265049.2/35

All: 1525.649+/-0.163 χ^2/NDF: 2725240.5/72

- sign 1535.827+/-0.234 χ^2/NDF: 1456520.9/36



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

Left Out: 2026.502+/-276.060 χ^2/NDF:12.0/19

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

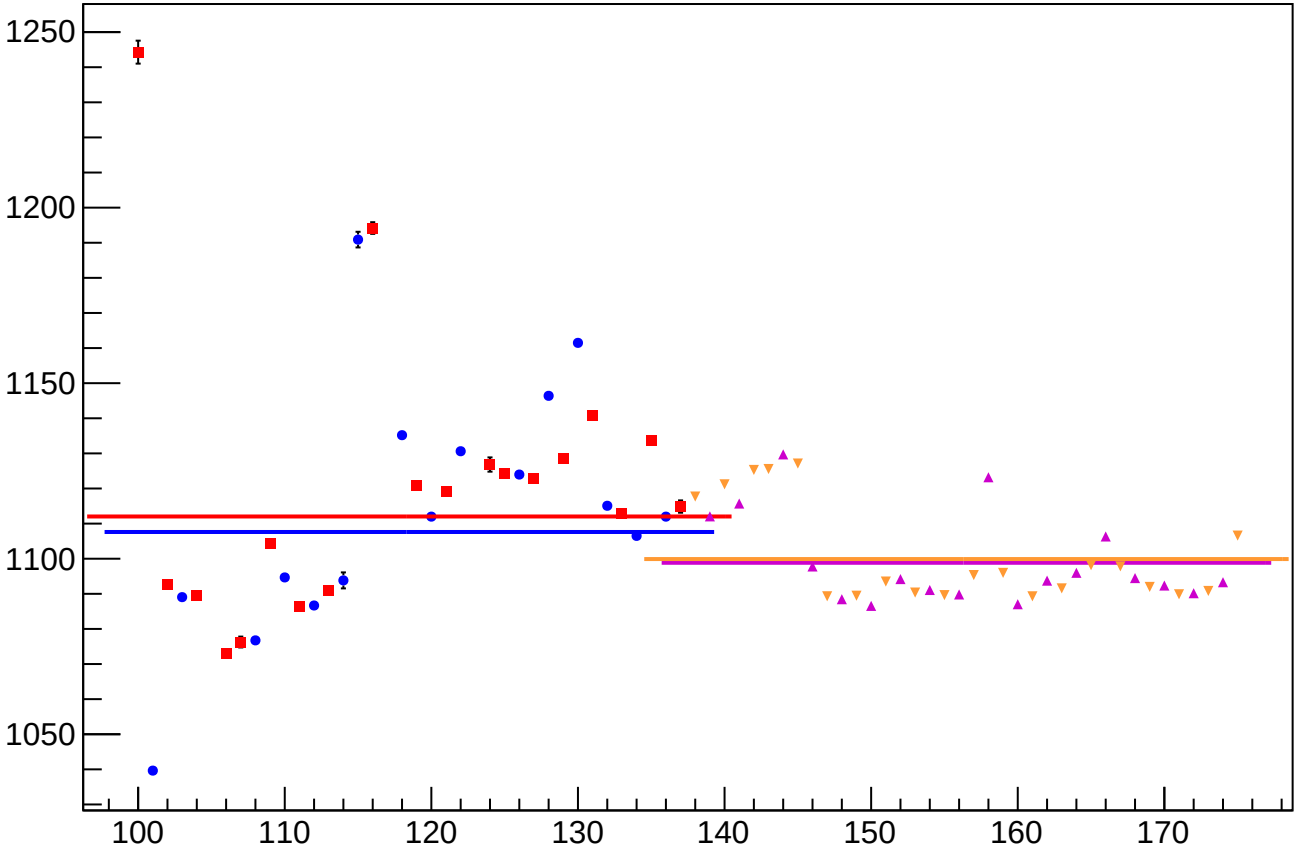
Left In: -2304.924+/-284.856 χ^2/NDF:24.2/17

+ sign 2256.177+/-229.262 χ^2/NDF: 24.6/35

All: 45.813+/-163.455 χ^2/NDF: 251.3/72

- sign -2239.332+/-233.108 χ^2/NDF: 37.7/36

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1099.902+/-0.195 χ^2/NDF:4596.9/19

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

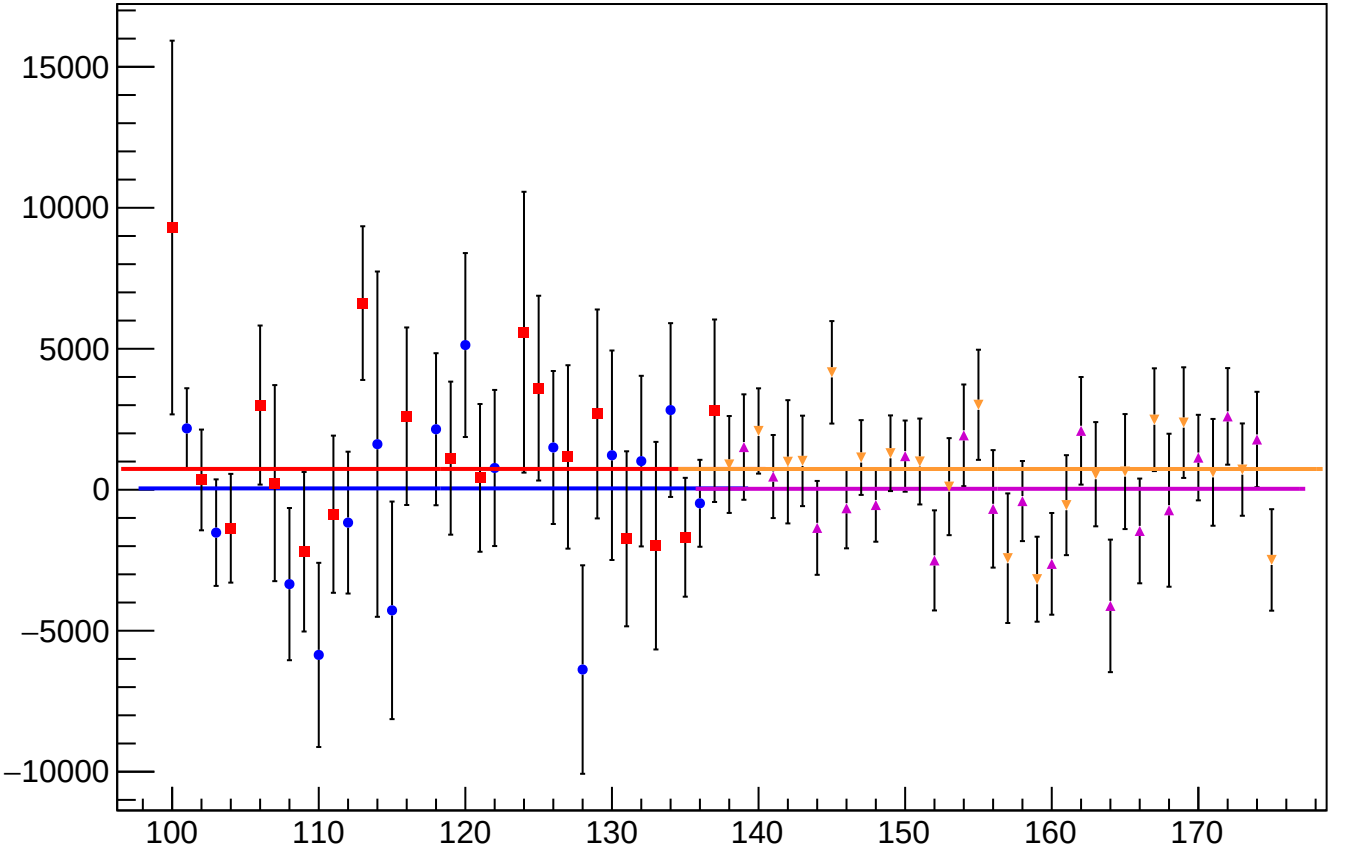
Left In: 1098.842+/-0.201 χ^2/NDF:3959.5/17

+ sign 1102.295+/-0.162 χ^2/NDF: 18302.0/35

All: 1102.739+/-0.116 χ^2/NDF: 32346.2/72

- sign 1103.198+/-0.165 χ^2/NDF: 14029.0/36

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 736.232+/-382.551 χ^2/NDF:20.2/19

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

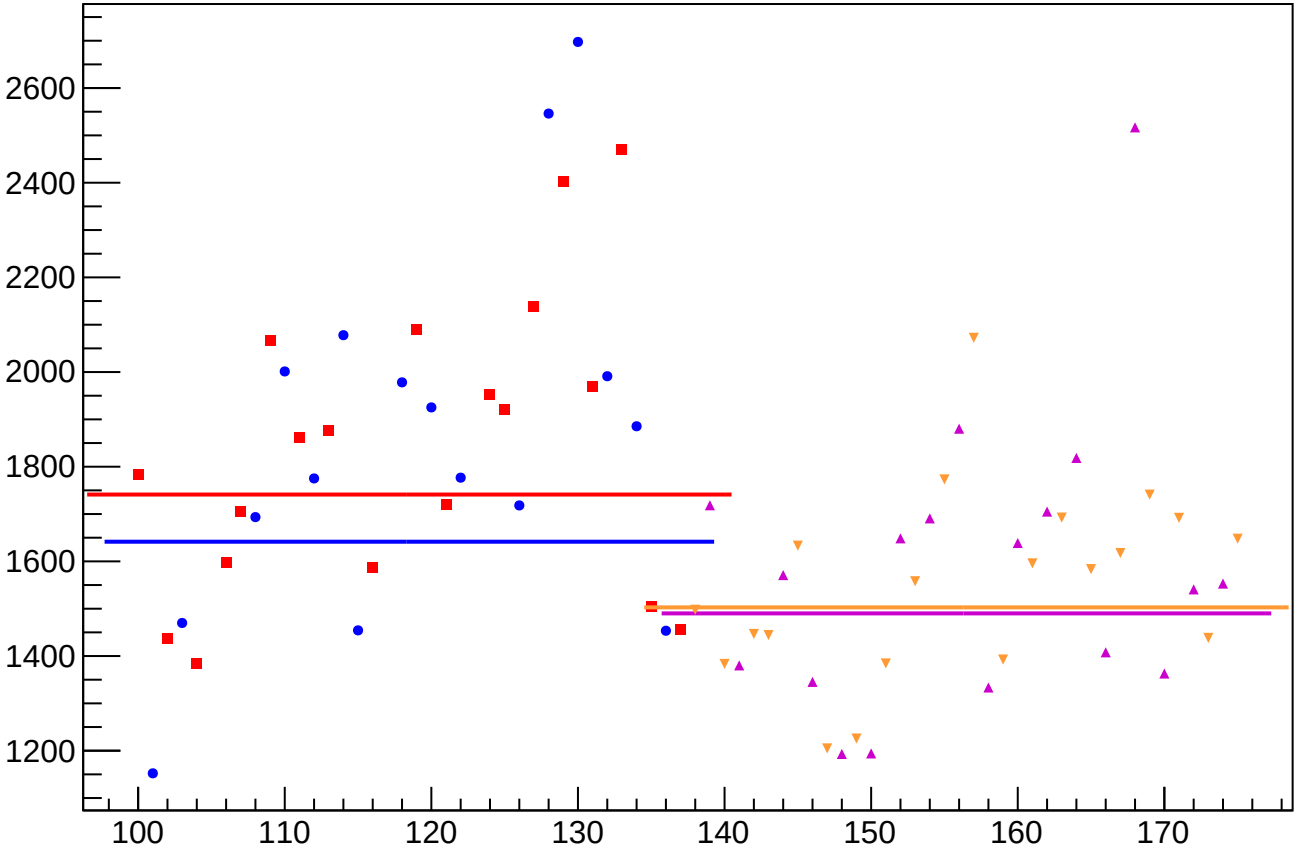
Left In: 33.169+/-392.739 χ^2/NDF:17.1/17

+ sign 549.943+/-326.716 χ^2/NDF: 37.9/35

All: 390.806+/-234.182 χ^2/NDF: 71.3/72

- sign 222.658+/-335.838 χ^2/NDF: 32.9/36

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1502.790+/-0.271 χ^2/NDF:502184.6/19

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

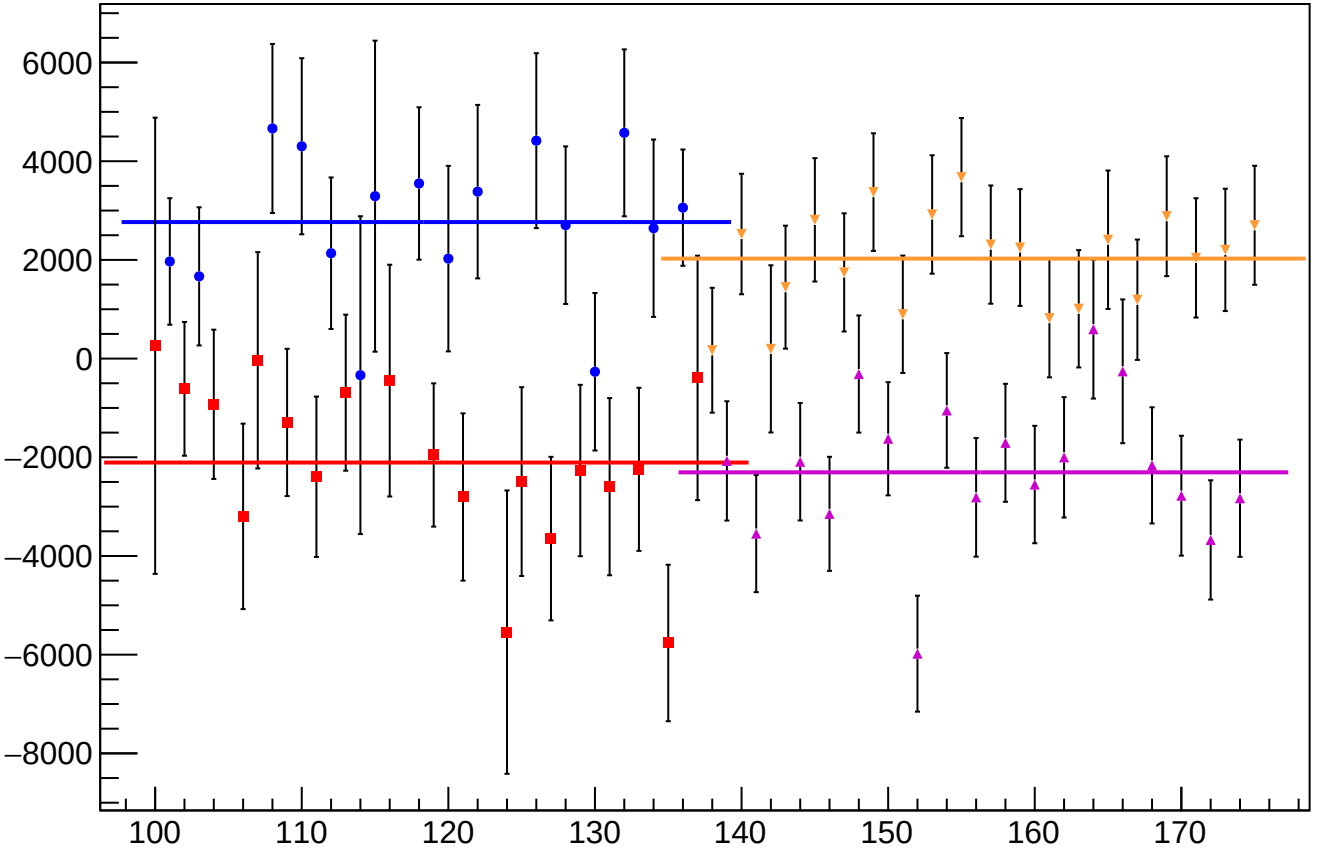
Left In: 1490.087+/-0.278 χ^2/NDF:802437.6/17

+ sign 1540.336+/-0.231 χ^2/NDF: 1274690.2/35

All: 1548.720+/-0.166 χ^2/NDF: 2737931.1/72

- sign 1557.579+/-0.237 χ^2/NDF: 1460531.9/36

eigen_dit_asym_usr_mean vs Slug



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

Left Out: 2026.500+/-276.060 χ^2/NDF:12.0/19

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

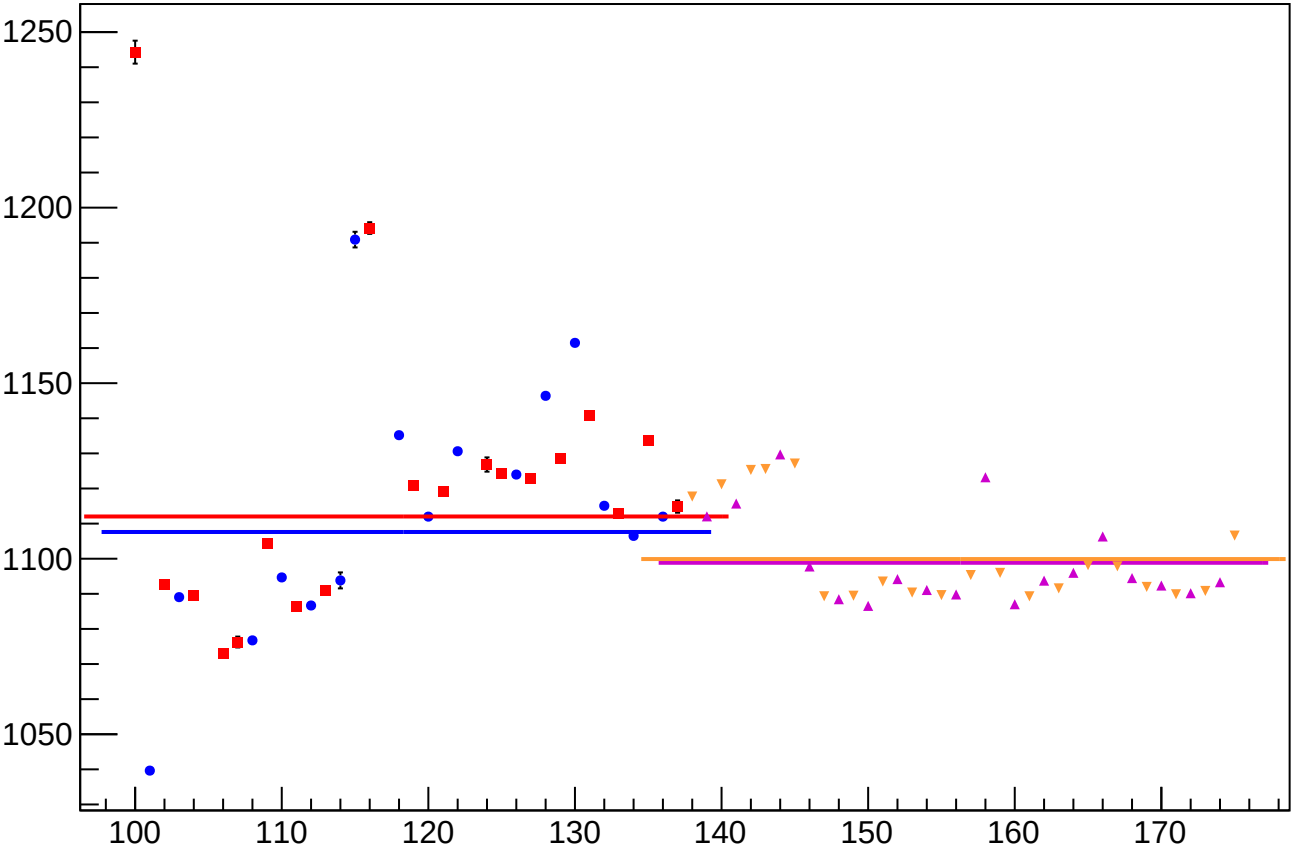
Left In: -2304.924+/-284.856 χ^2/NDF:24.2/17

+ sign 2256.175+/-229.262 χ^2/NDF: 24.6/35

All: 45.812+/-163.455 χ^2/NDF: 251.3/72

- sign -2239.333+/-233.108 χ^2/NDF: 37.7/36

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1099.902+/-0.195 χ^2/NDF:4596.8/19

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

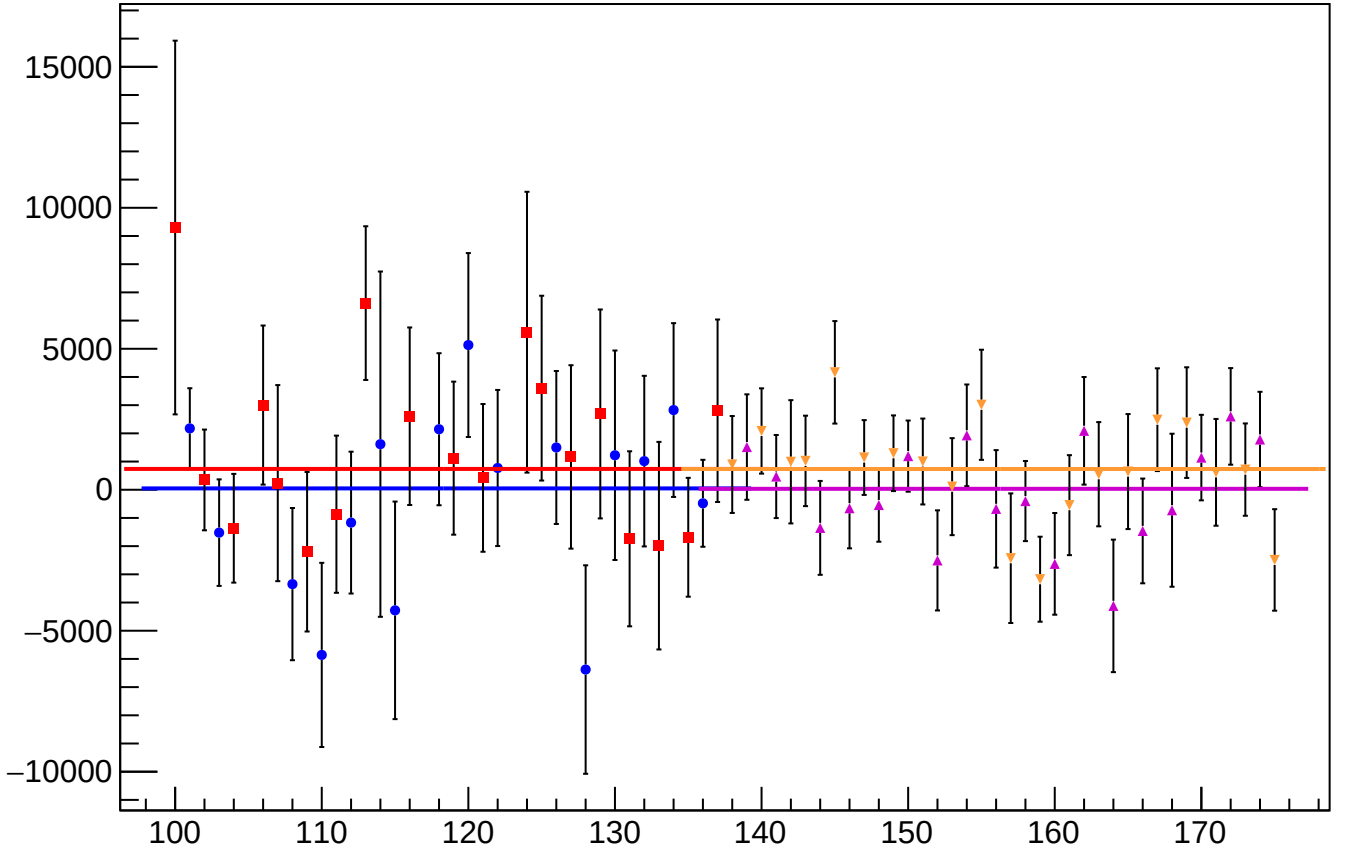
Left In: 1098.842+/-0.201 χ^2/NDF:3959.5/17

+ sign 1102.295+/-0.162 χ^2/NDF: 18301.8/35

All: 1102.739+/-0.116 χ^2/NDF: 32346.0/72

- sign 1103.198+/-0.165 χ^2/NDF: 14028.9/36

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 736.231+/-382.552 χ^2/NDF:20.2/19

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

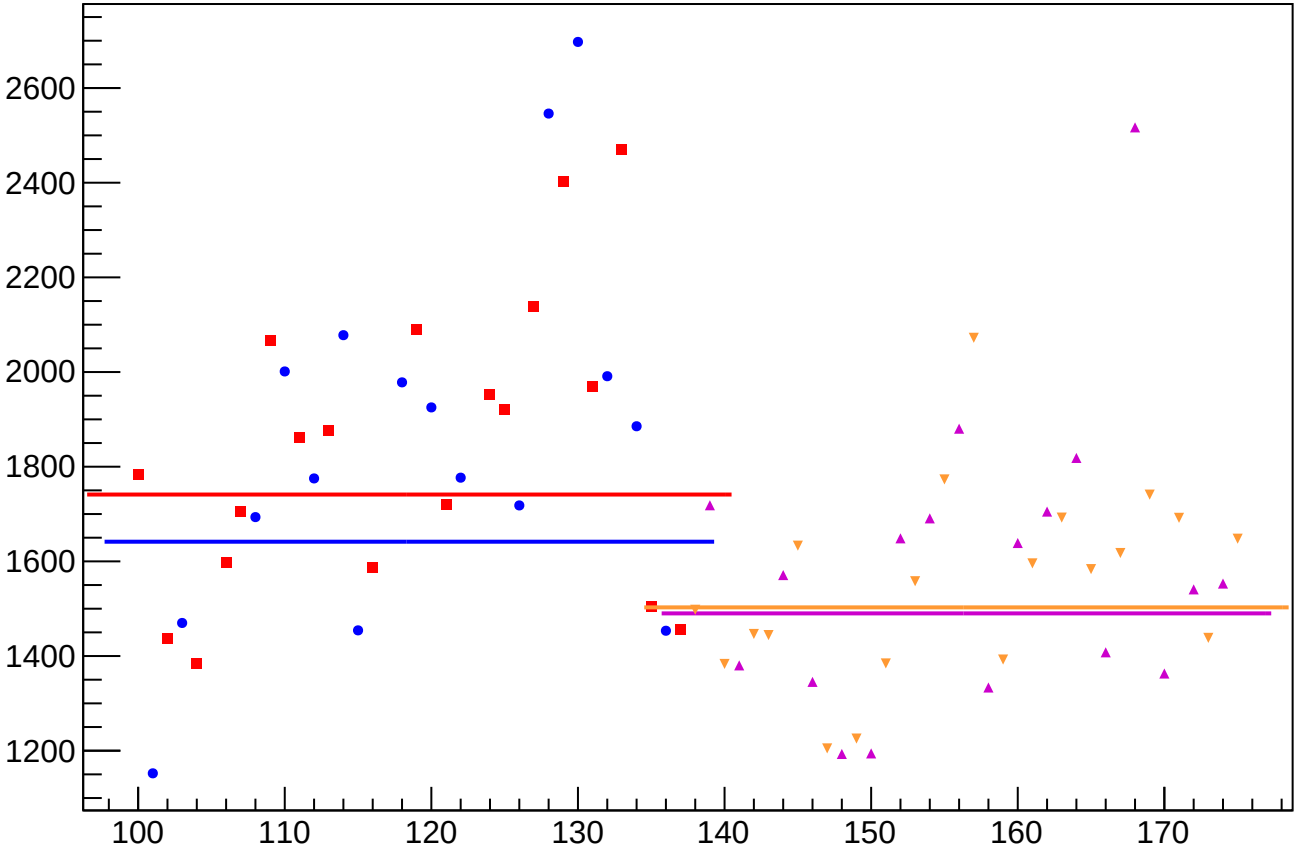
Left In: 33.168+/-392.740 χ^2/NDF:17.1/17

+ sign 549.940+/-326.716 χ^2/NDF: 37.9/35

All: 390.805+/-234.182 χ^2/NDF: 71.3/72

- sign 222.659+/-335.839 χ^2/NDF: 32.9/36

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1502.793+/-0.271 χ^2/NDF:502189.0/19

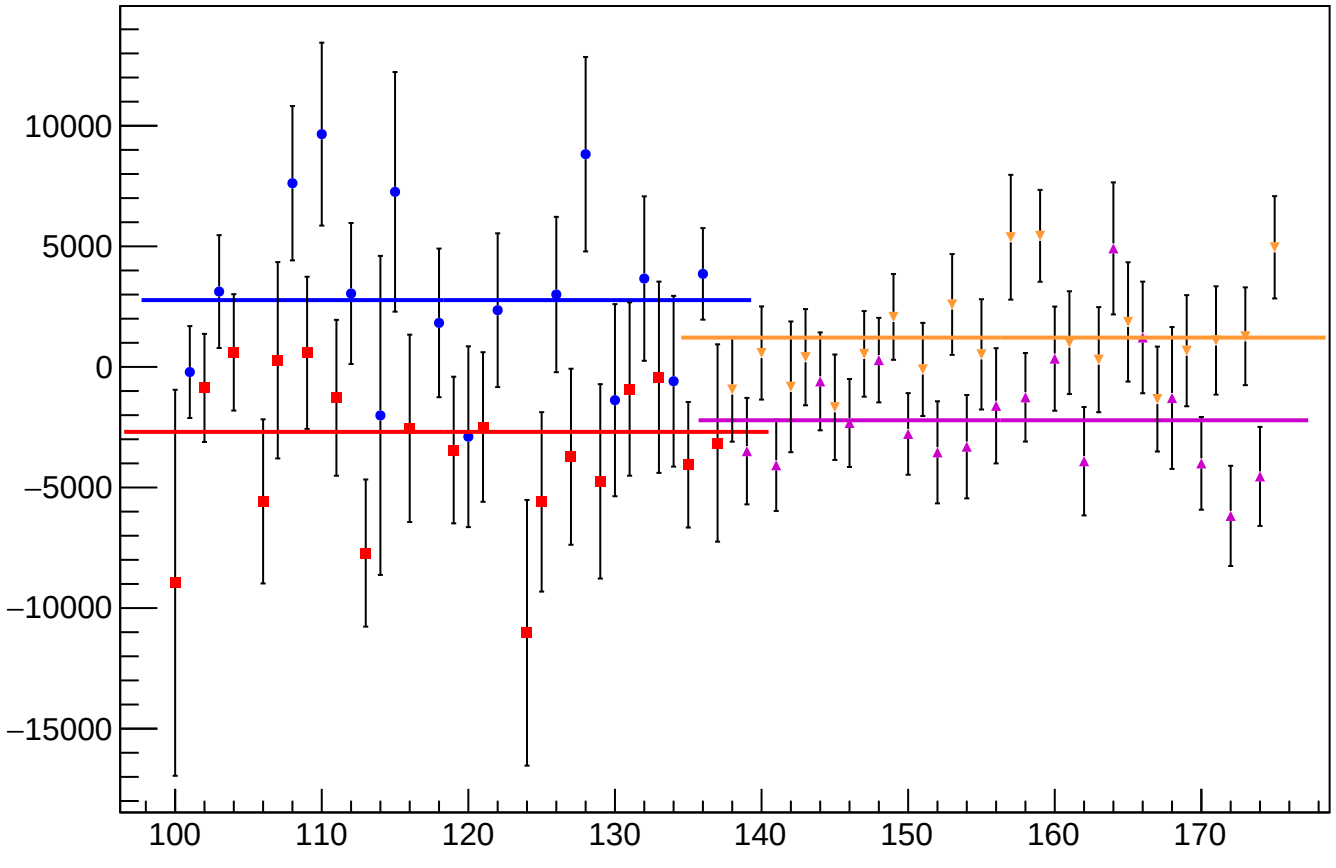
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1490.091+/-0.278 χ^2/NDF:802443.5/17

+ sign 1540.338+/-0.231 χ^2/NDF: 1274676.5/35

All: 1548.723+/-0.166 χ^2/NDF: 2737902.1/72

- sign 1557.582+/-0.237 χ^2/NDF: 1460516.6/36



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1215.821+/-472.340 χ^2/NDF:17.2/19

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

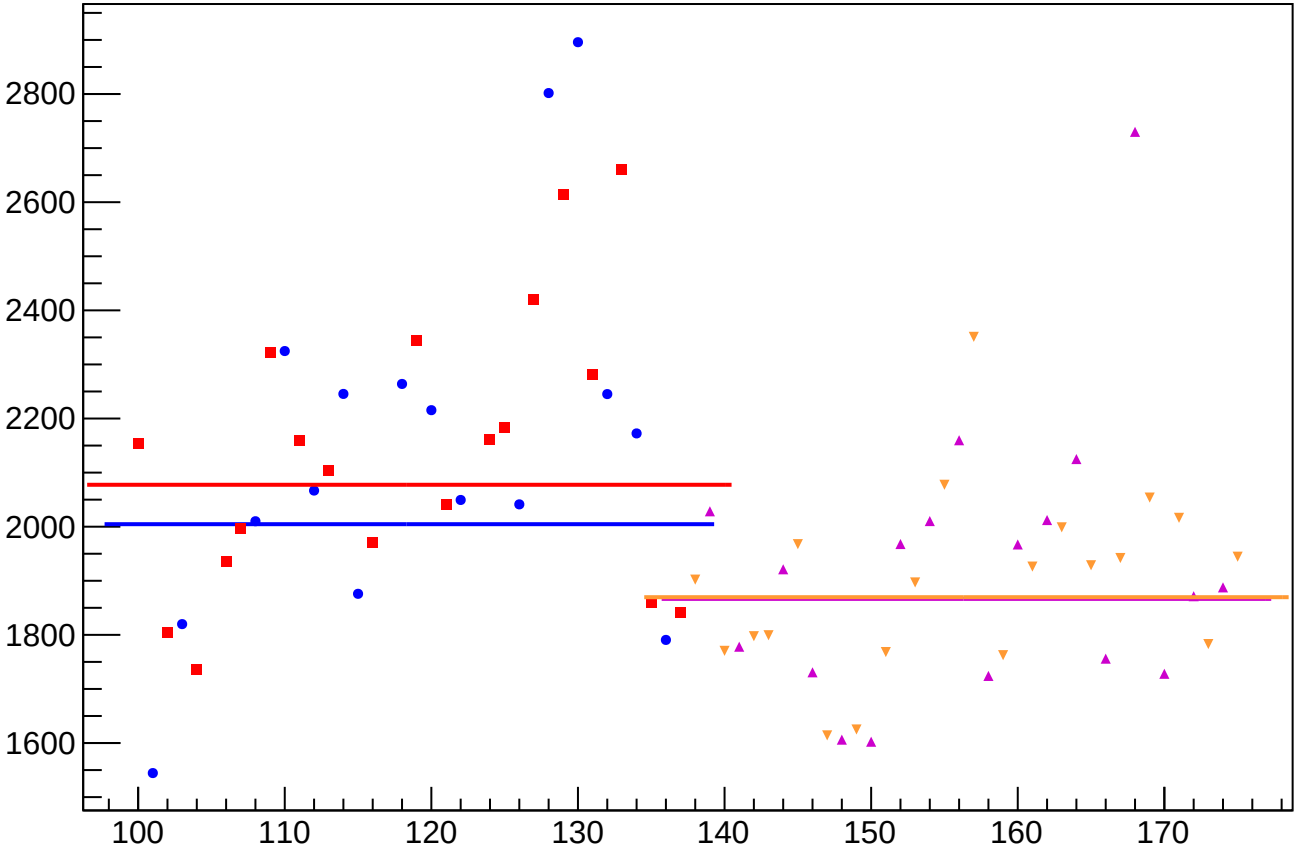
Left In: -2212.924+/-487.802 χ^2/NDF:21.9/17

+ sign 1651.242+/-400.747 χ^2/NDF: 36.7/35

All: -297.498+/-287.069 χ^2/NDF: 120.0/72

- sign -2351.394+/-411.417 χ^2/NDF: 34.7/36

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1869.646+/-0.334 χ^2/NDF:230080.5/19

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

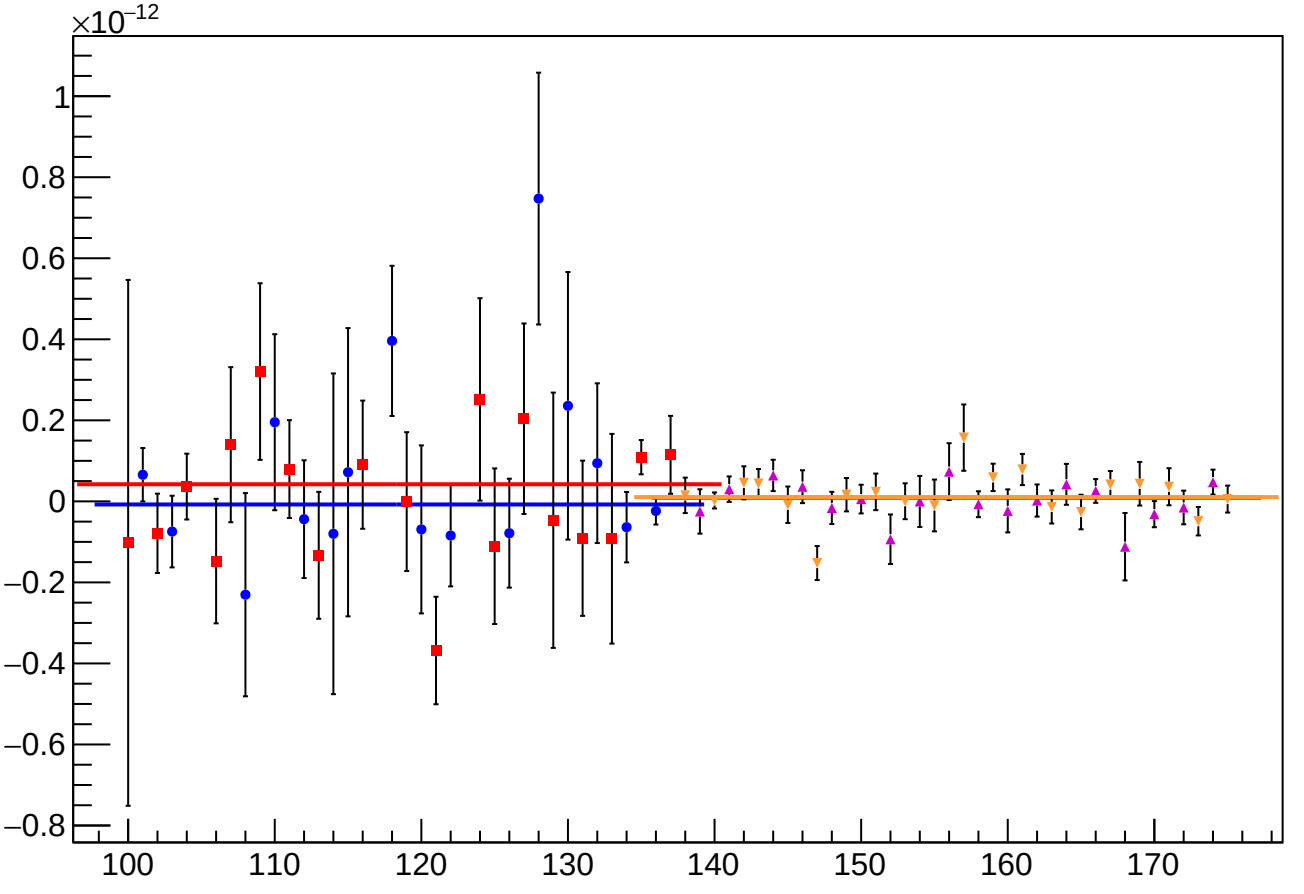
Left In: 1866.525+/-0.345 χ^2/NDF:394414.4/17

+ sign 1907.466+/-0.283 χ^2/NDF: 663413.6/35

All: 1917.183+/-0.203 χ^2/NDF: 1398717.7/72

- sign 1927.425+/-0.291 χ^2/NDF: 732888.7/36

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:31.2/19

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

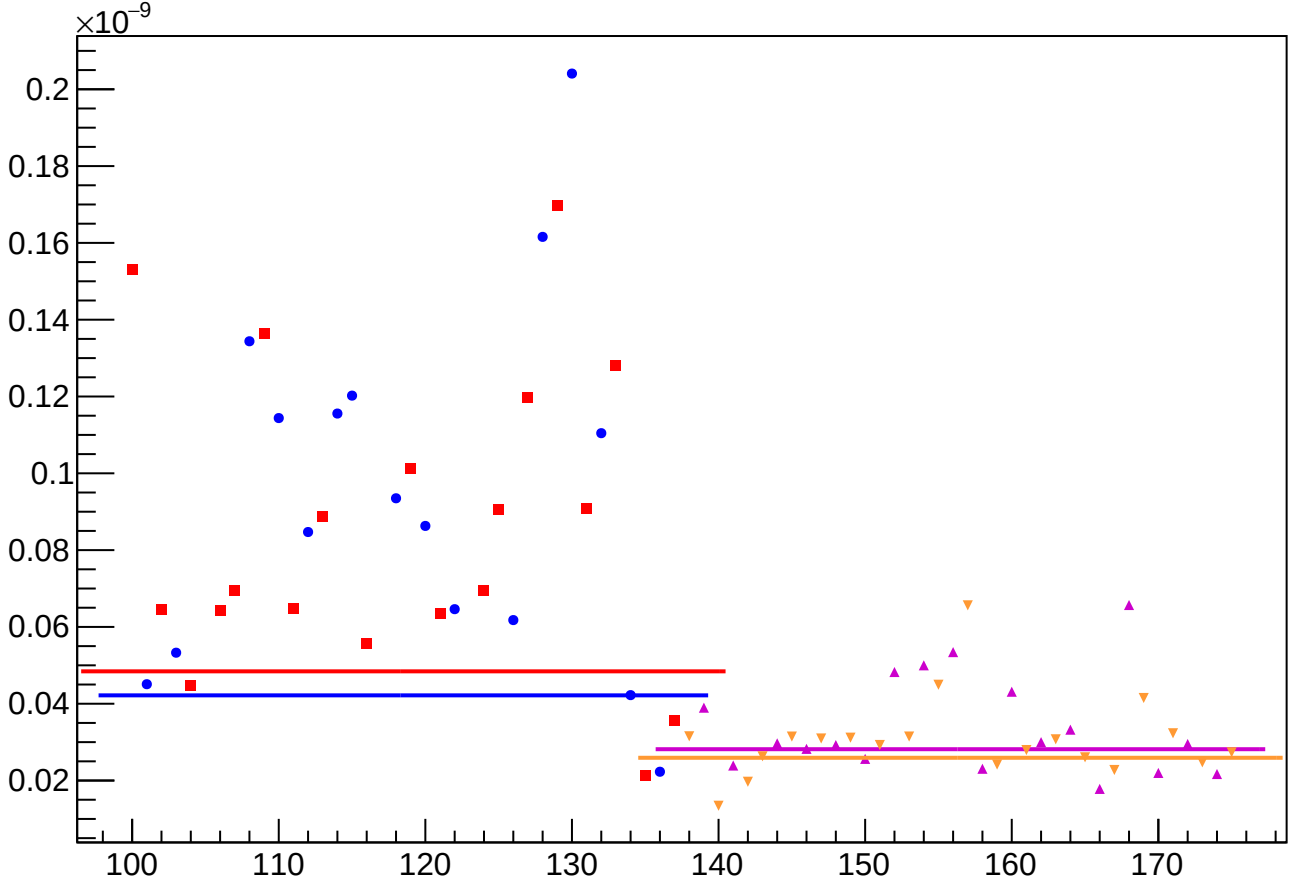
Left In: 0.000+/-0.000 χ^2/NDF:14.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 48.1/35

All: 0.000+/-0.000 χ^2/NDF: 85.8/72

- sign 0.000+/-0.000 χ^2/NDF: 37.5/36

asym_usr_reg_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:1925654.7/19

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

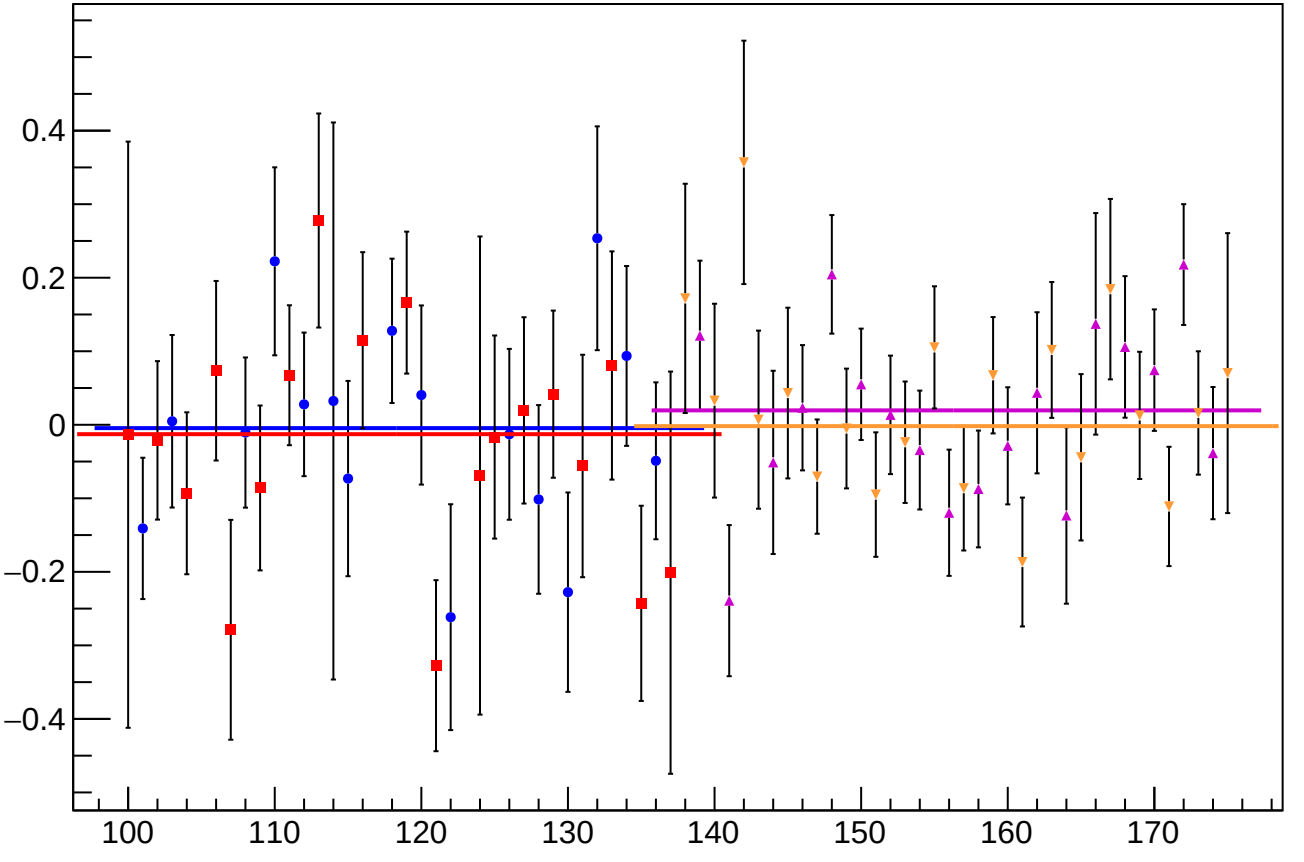
Left In: 0.000+/-0.000 χ^2/NDF:1898089.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 5655989.6/35

All: 0.000+/-0.000 χ^2/NDF: 11258722.6/72

- sign 0.000+/-0.000 χ^2/NDF: 5504618.6/36

asym_usr_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.002+/-0.021 χ^2/NDF:21.8/19

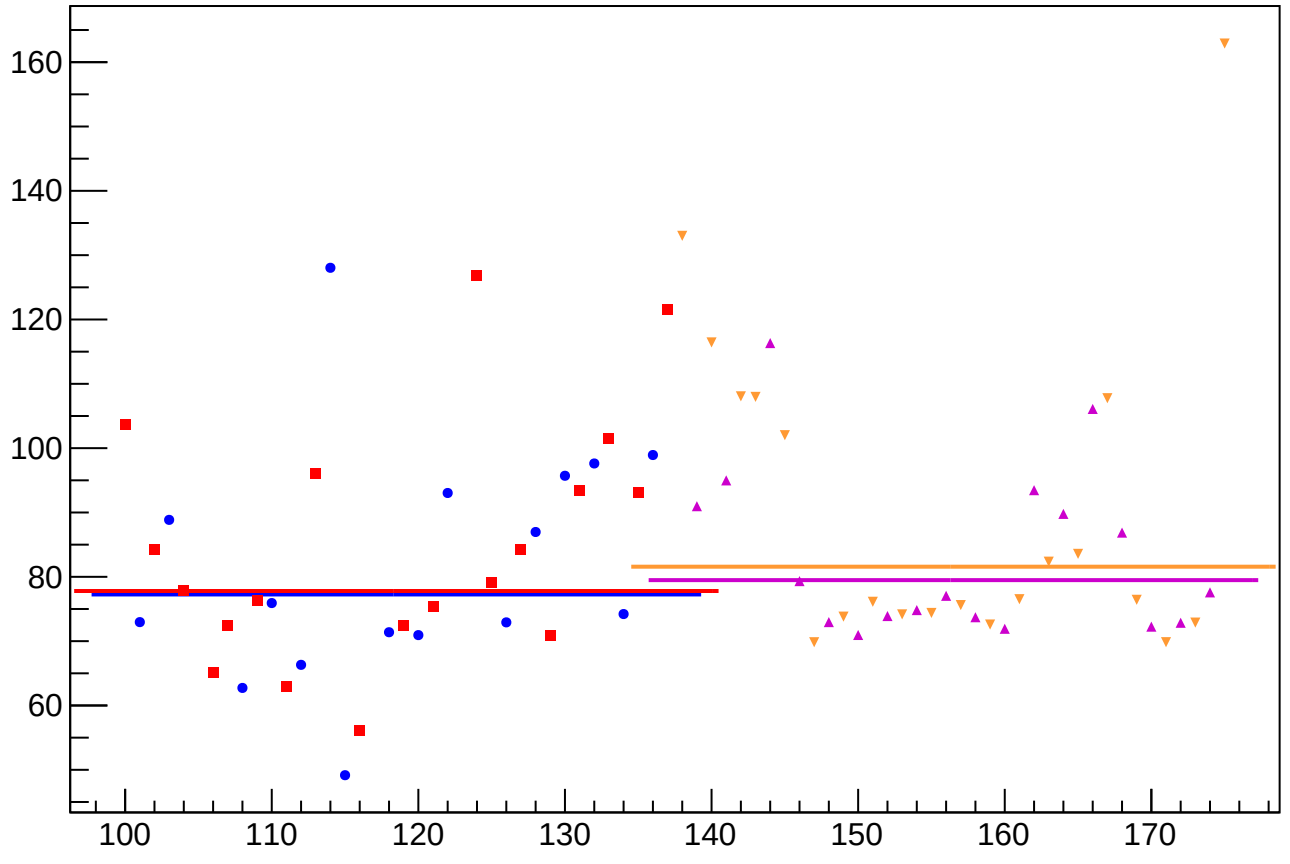
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.020+/-0.021 χ^2/NDF:28.0/17

+ sign -0.003+/-0.017 χ^2/NDF: 39.1/35

All: 0.003+/-0.012 χ^2/NDF: 93.6/72

- sign 0.009+/-0.017 χ^2/NDF: 54.2/36



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

Left Out: 81.575+/-0.015 χ^2/NDF:1238661.0/19

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

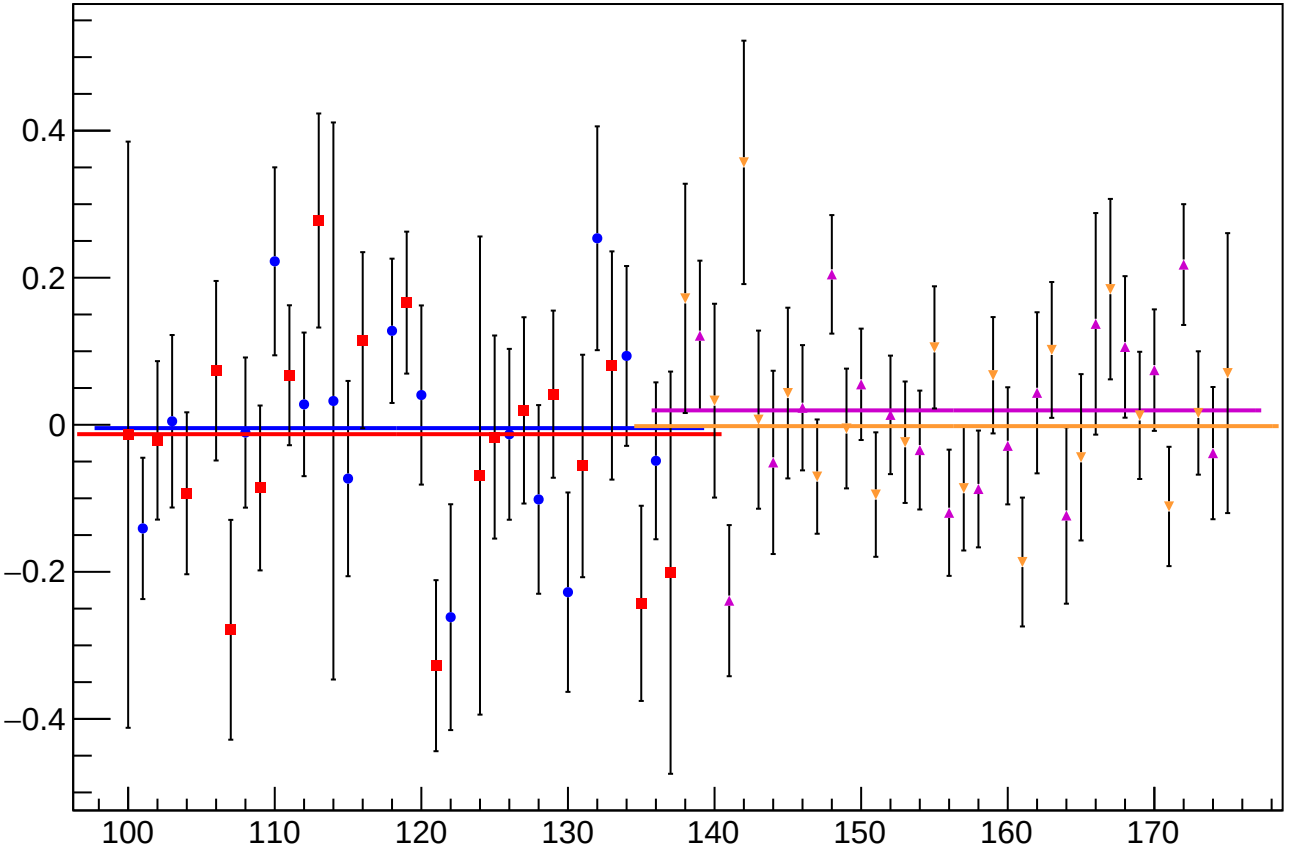
Left In: 79.486+/-0.015 χ^2/NDF:481323.1/17

+ sign 80.117+/-0.012 χ^2/NDF: 1685278.8/35

All: 79.510+/-0.009 χ^2/NDF: 2572148.7/72

- sign 78.913+/-0.012 χ^2/NDF: 882071.8/36

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.002+/-0.021 χ^2/NDF:21.8/19

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

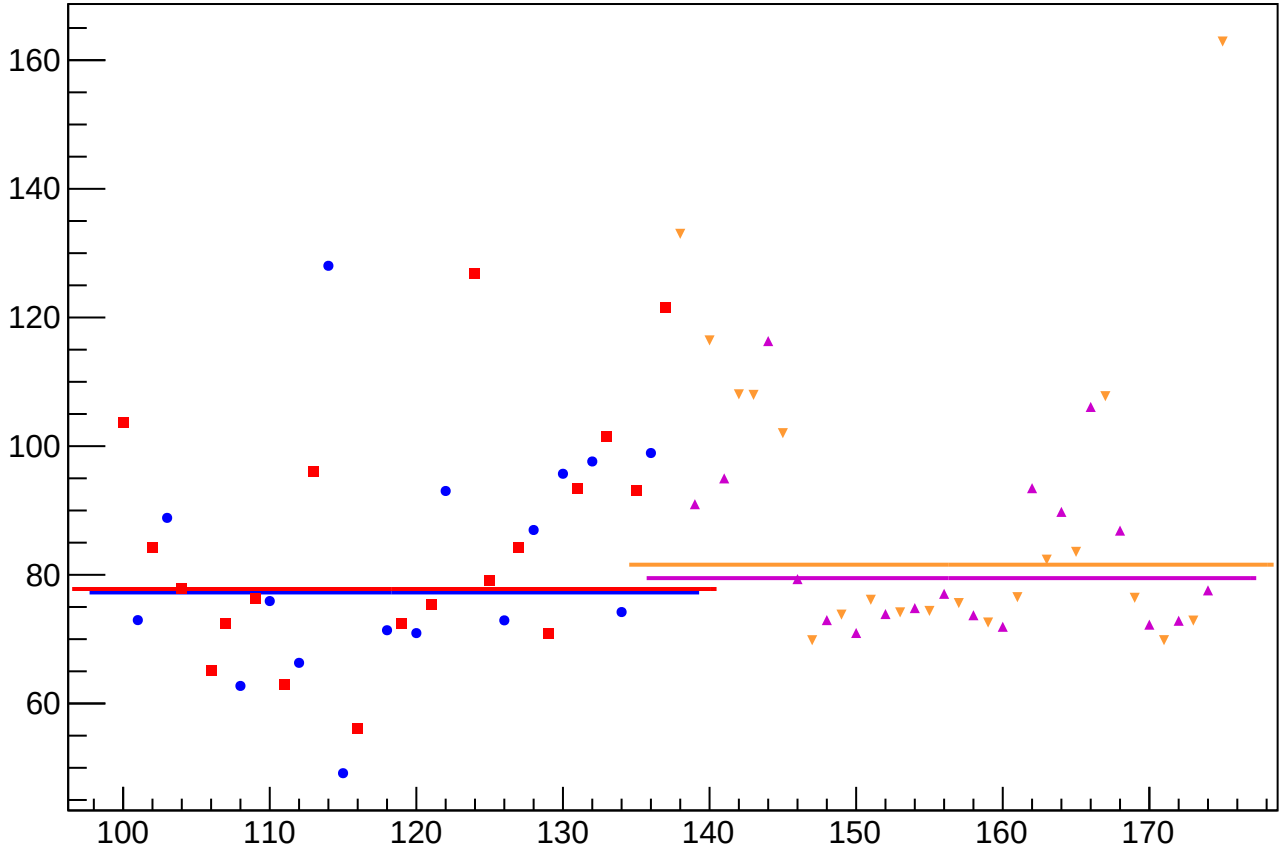
Left In: 0.020+/-0.021 χ^2/NDF:28.0/17

+ sign -0.003+/-0.017 χ^2/NDF: 39.1/35

All: 0.003+/-0.012 χ^2/NDF: 93.6/72

- sign 0.009+/-0.017 χ^2/NDF: 54.2/36

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 81.575+/-0.015 χ^2/NDF:1238661.0/19

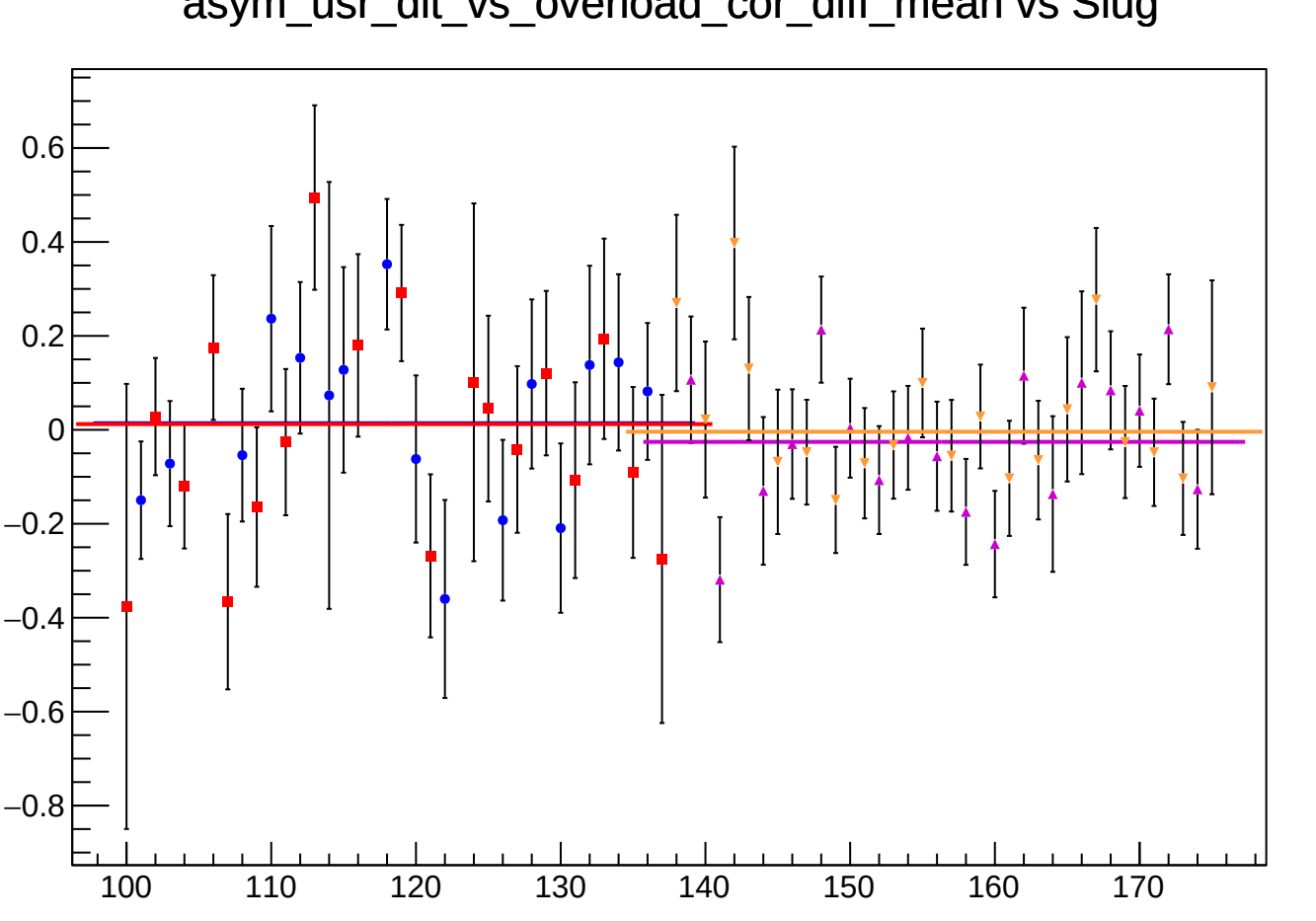
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.486+/-0.015 χ^2/NDF:481323.1/17

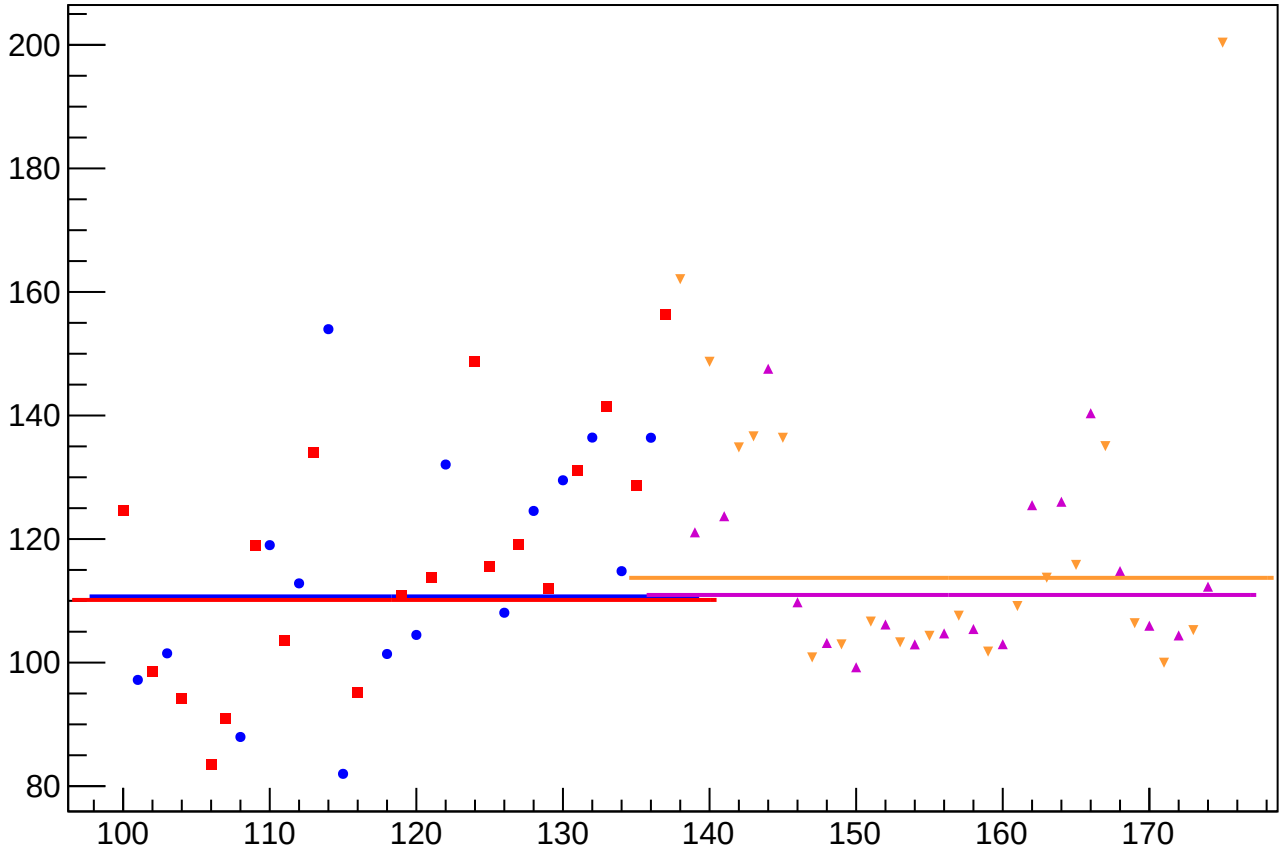
+ sign 80.117+/-0.012 χ^2/NDF: 1685278.8/35

All: 79.510+/-0.009 χ^2/NDF: 2572148.7/72

- sign 78.913+/-0.012 χ^2/NDF: 882071.8/36


asym_usr_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: -0.004+/-0.029 χ²/NDF:15.6/19
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.026+/-0.029 χ²/NDF:24.6/17
+ sign 0.002+/-0.024 χ²/NDF: 33.9/35
All: -0.006+/-0.017 χ²/NDF: 83.0/72
- sign -0.013+/-0.024 χ²/NDF: 48.9/36

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 113.720+/-0.021 χ^2/NDF:819882.0/19

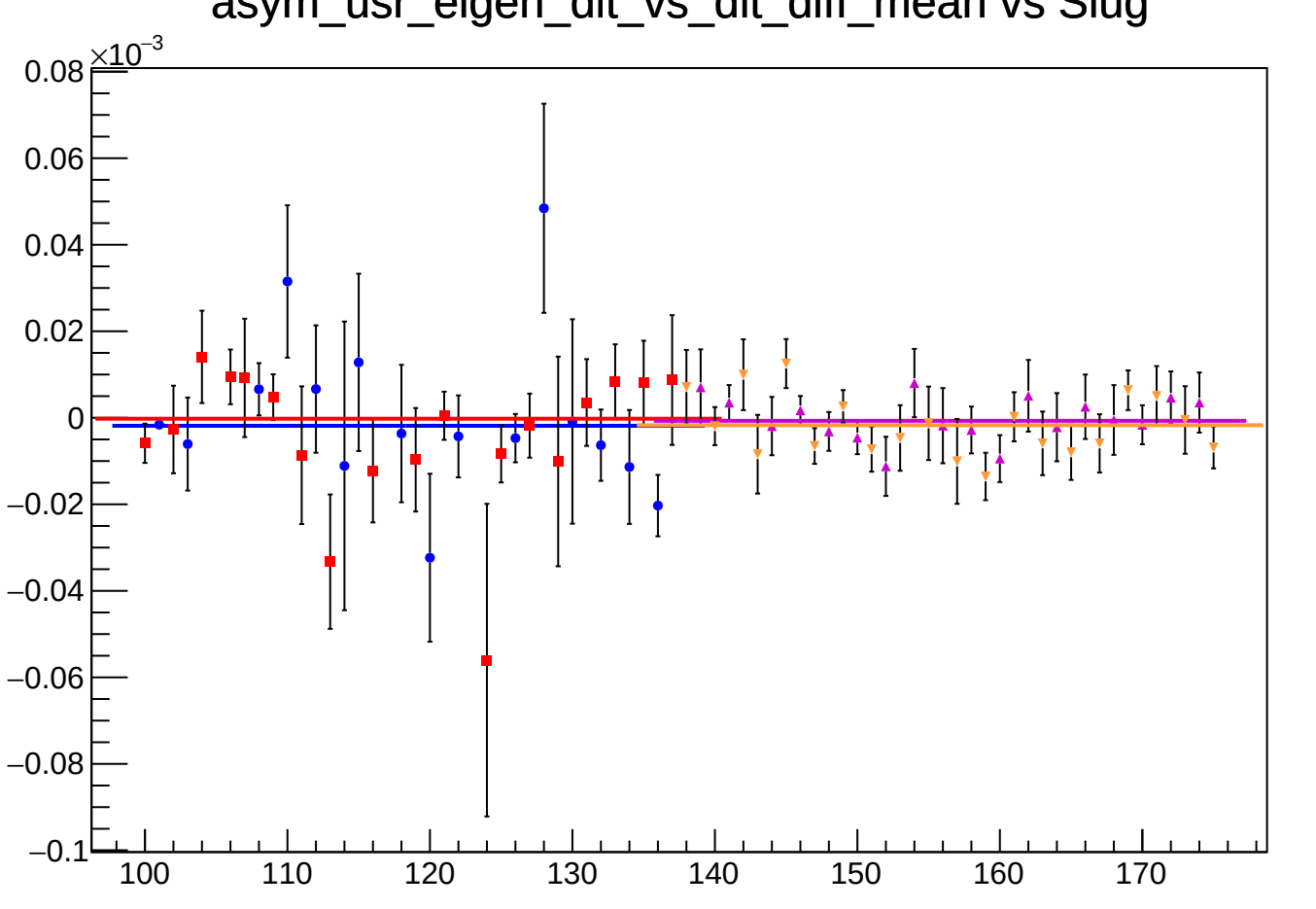
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 110.951+/-0.021 χ^2/NDF:301262.9/17

+ sign 112.741+/-0.017 χ^2/NDF: 1126674.3/35

All: 111.702+/-0.012 χ^2/NDF: 1762528.0/72

- sign 110.680+/-0.017 χ^2/NDF: 628495.2/36



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.3/19

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

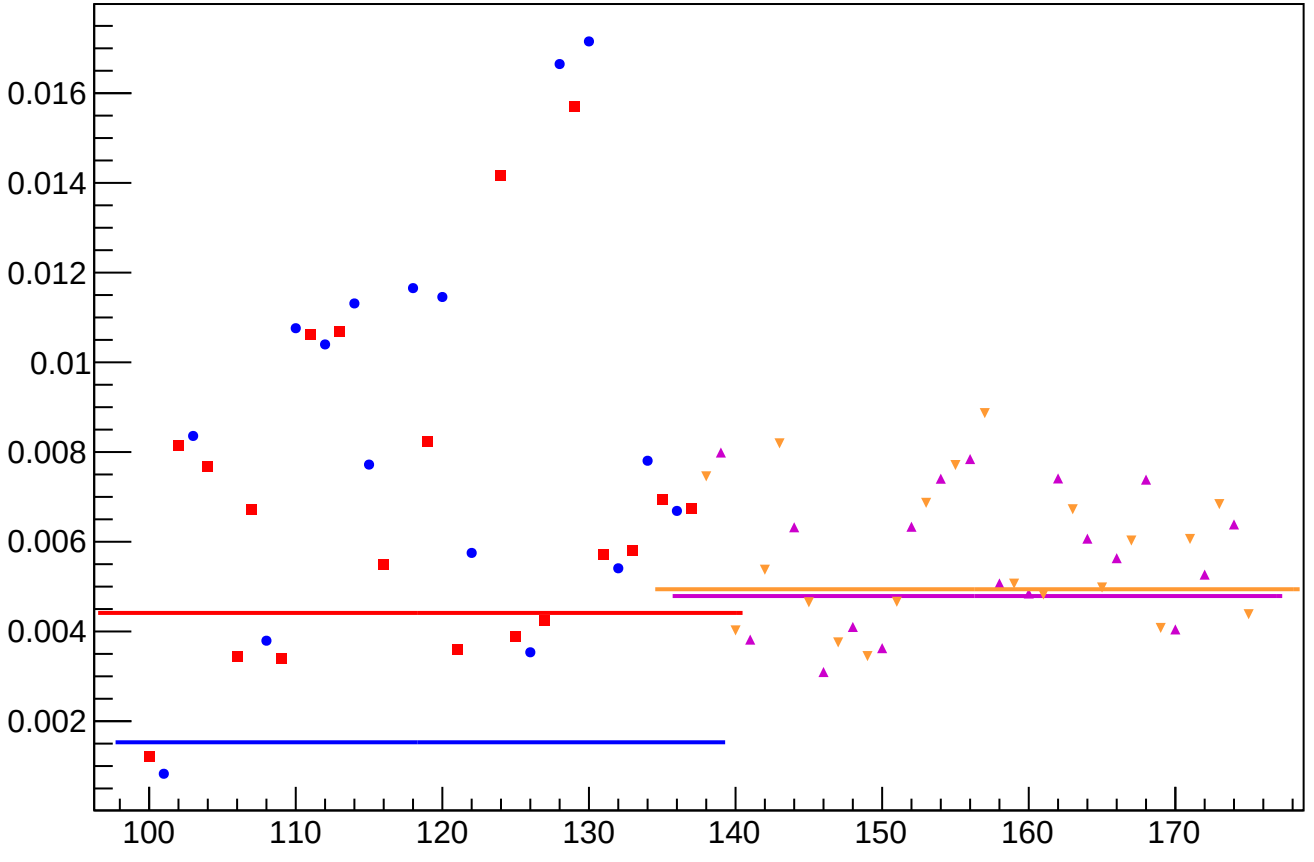
Left In: -0.000+/-0.000 χ^2/NDF:12.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 47.7/35

All: -0.000+/-0.000 χ^2/NDF: 80.6/72

- sign -0.000+/-0.000 χ^2/NDF: 31.9/36

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:2110145.6/19

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

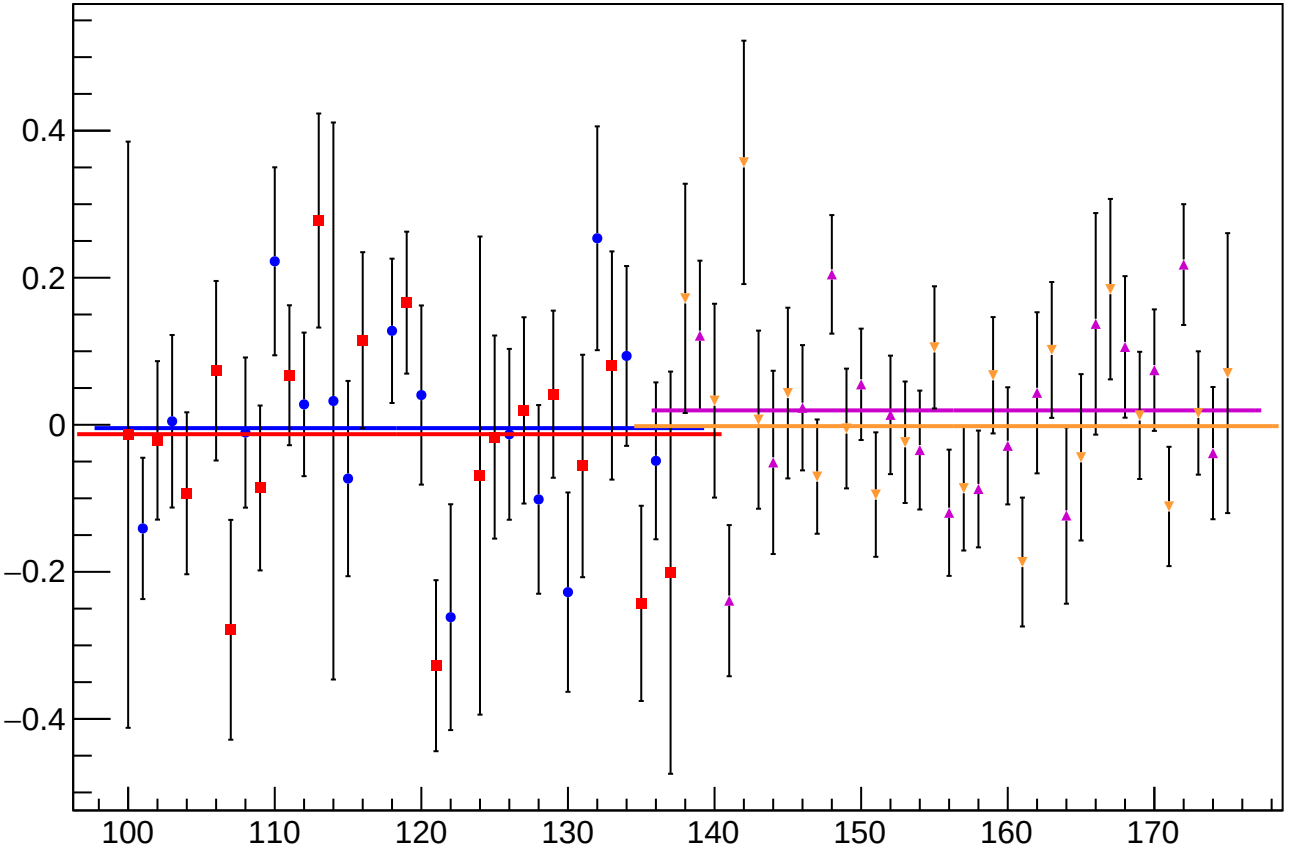
Left In: 0.005+/-0.000 χ^2/NDF:2471155.5/17

+ sign 0.003+/-0.000 χ^2/NDF: 20128981.7/35

All: 0.003+/-0.000 χ^2/NDF: 30190823.7/72

- sign 0.005+/-0.000 χ^2/NDF: 5911434.5/36

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.002+/-0.021 χ^2/NDF:21.8/19

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

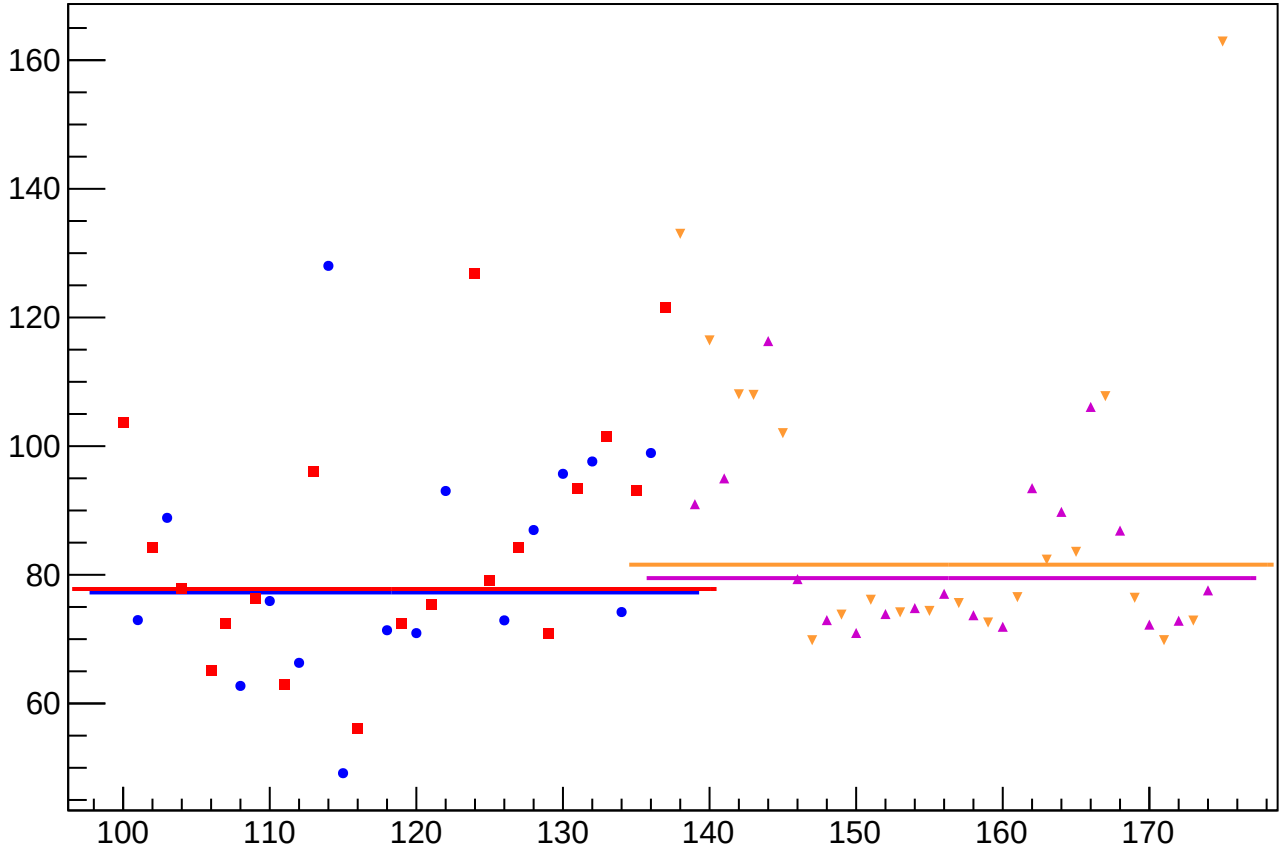
Left In: 0.020+/-0.021 χ^2/NDF:28.0/17

+ sign -0.003+/-0.017 χ^2/NDF: 39.1/35

All: 0.003+/-0.012 χ^2/NDF: 93.6/72

- sign 0.009+/-0.017 χ^2/NDF: 54.2/36

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 81.576+/-0.015 χ^2/NDF:1238660.3/19

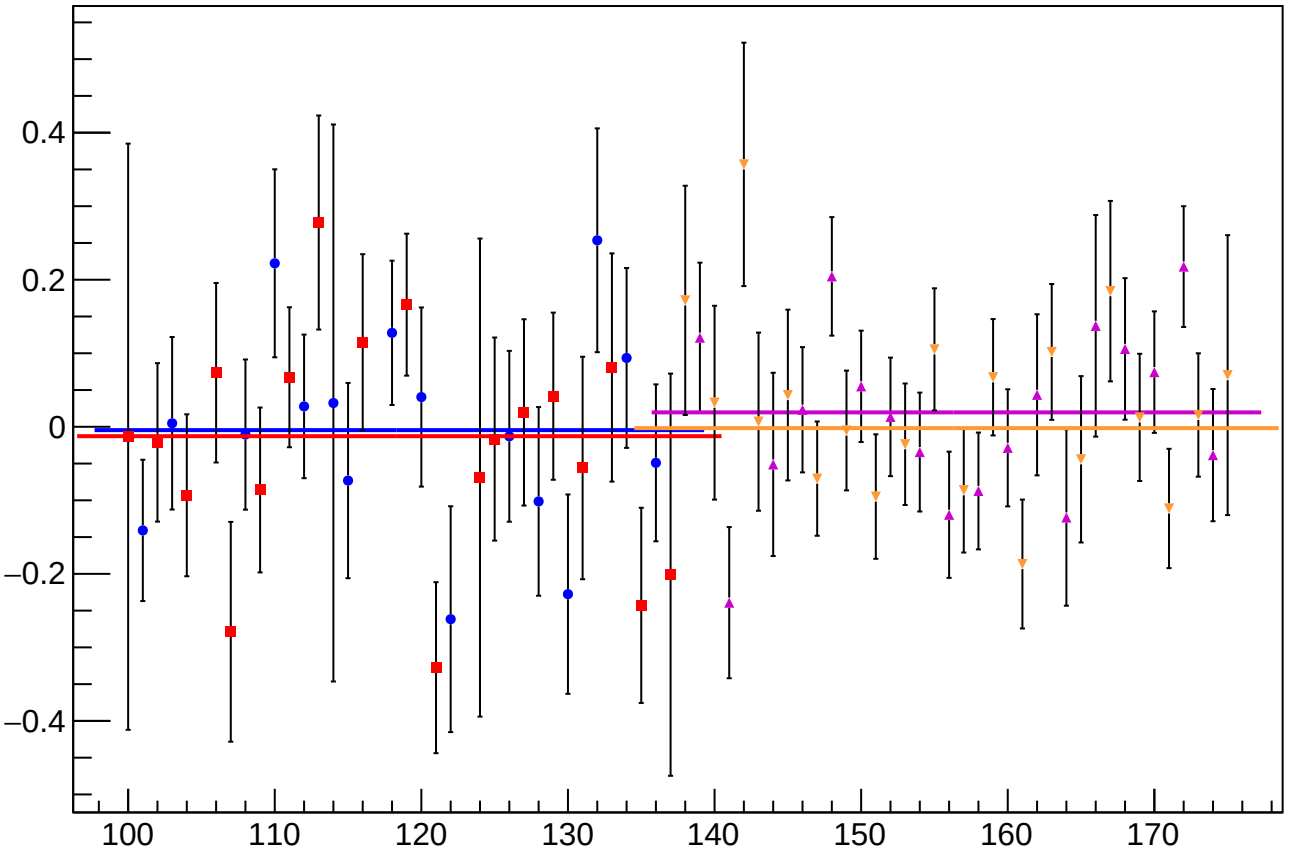
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

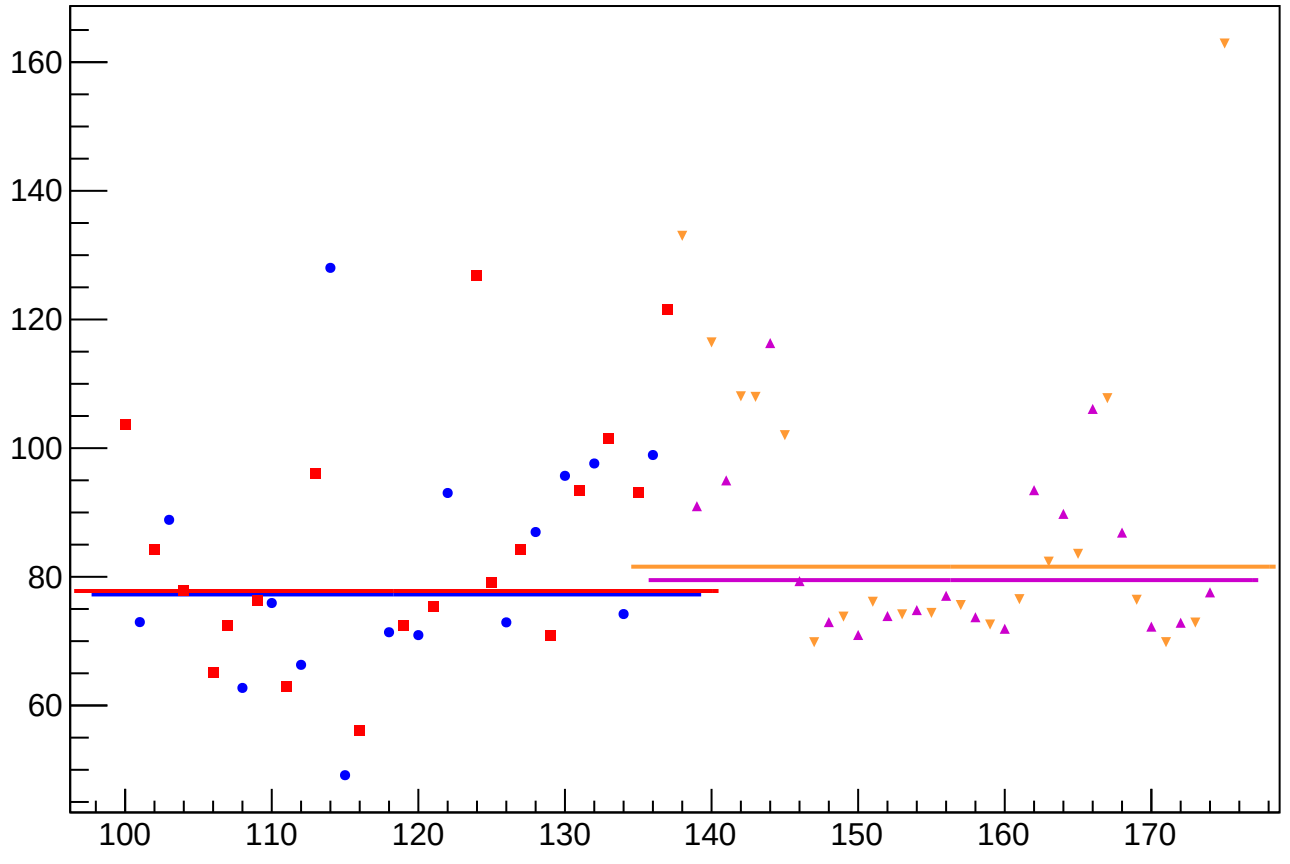
Left In: 79.487+/-0.015 χ^2/NDF:481326.5/17

+ sign 80.117+/-0.012 χ^2/NDF: 1685292.5/35

All: 79.510+/-0.009 χ^2/NDF: 2572173.4/72

- sign 78.912+/-0.012 χ^2/NDF: 882082.5/36


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: -0.002+/-0.021 χ²/NDF:21.8/19
Right Out: -0.013+/-0.030 χ²/NDF: 25.5/18
Left In: 0.020+/-0.021 χ²/NDF:28.0/17
+ sign -0.003+/-0.017 χ²/NDF: 39.1/35
All: 0.003+/-0.012 χ²/NDF: 93.6/72
- sign 0.009+/-0.017 χ²/NDF: 54.2/36



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

Left Out: 81.576+/-0.015 χ^2/NDF:1238660.3/19

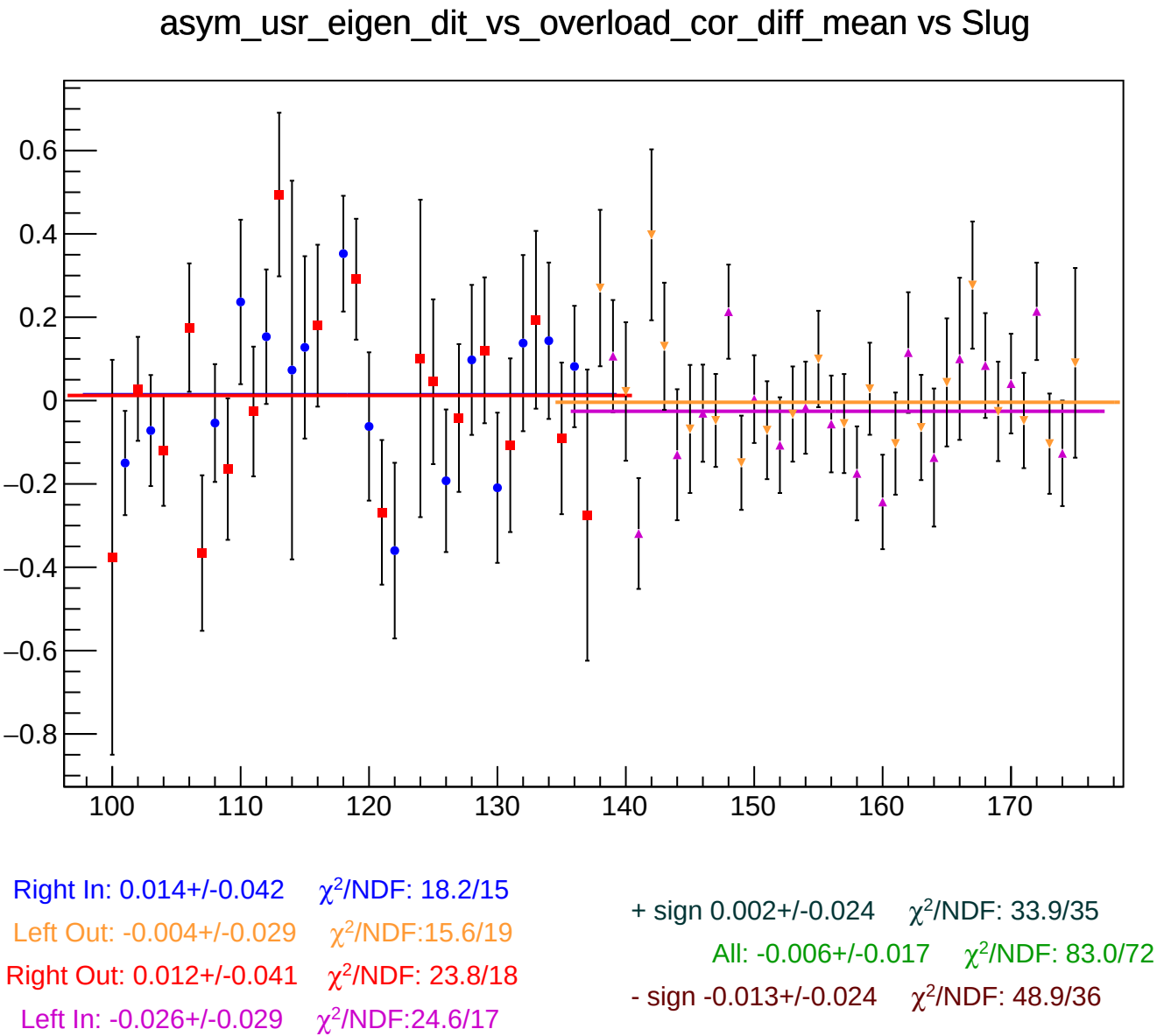
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

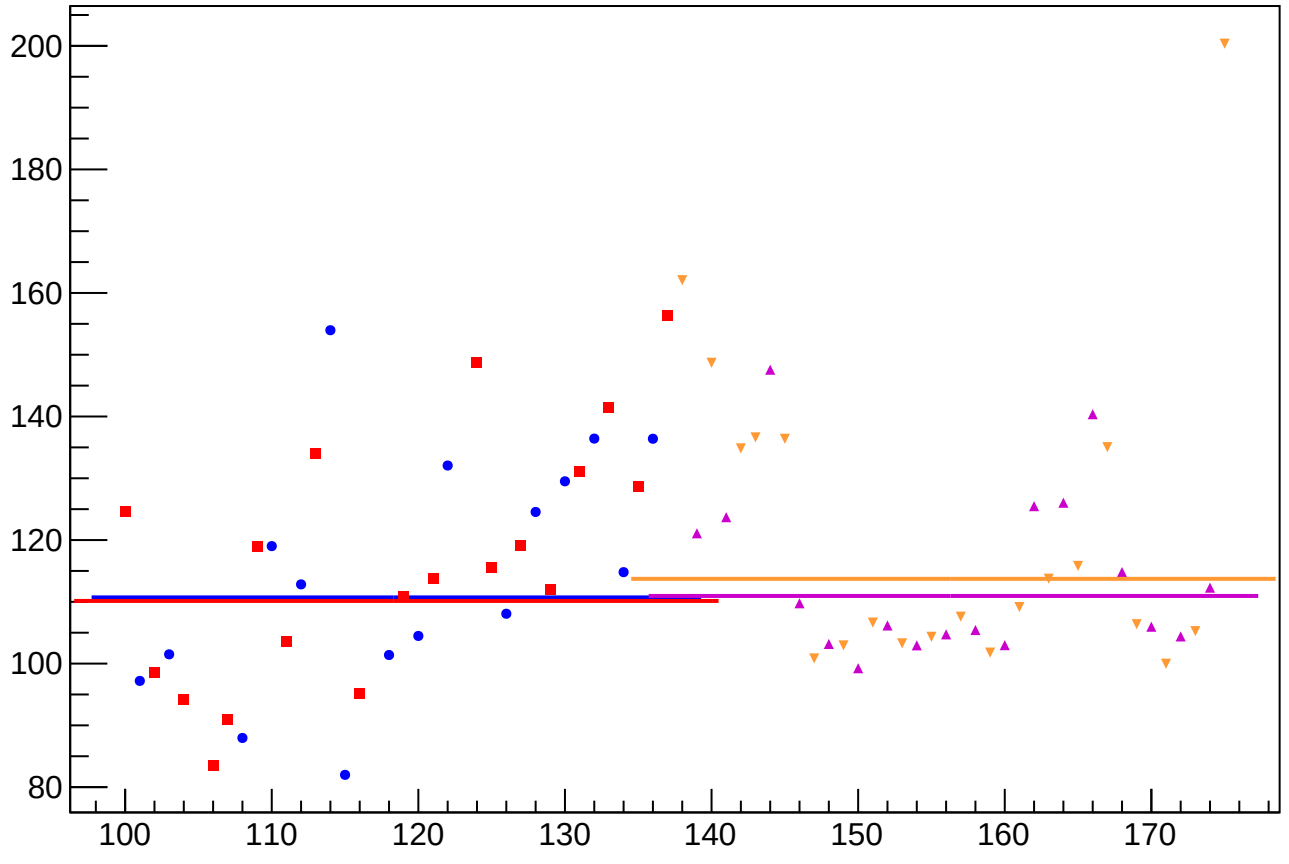
Left In: 79.487+/-0.015 χ^2/NDF:481326.5/17

+ sign 80.117+/-0.012 χ^2/NDF: 1685292.5/35

All: 79.510+/-0.009 χ^2/NDF: 2572173.4/72

- sign 78.912+/-0.012 χ^2/NDF: 882082.5/36


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: -0.004+/-0.029 χ²/NDF:15.6/19
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.026+/-0.029 χ²/NDF:24.6/17
+ sign 0.002+/-0.024 χ²/NDF: 33.9/35
All: -0.006+/-0.017 χ²/NDF: 83.0/72
- sign -0.013+/-0.024 χ²/NDF: 48.9/36



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

Left Out: 113.721+/-0.021 χ^2/NDF:819880.5/19

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

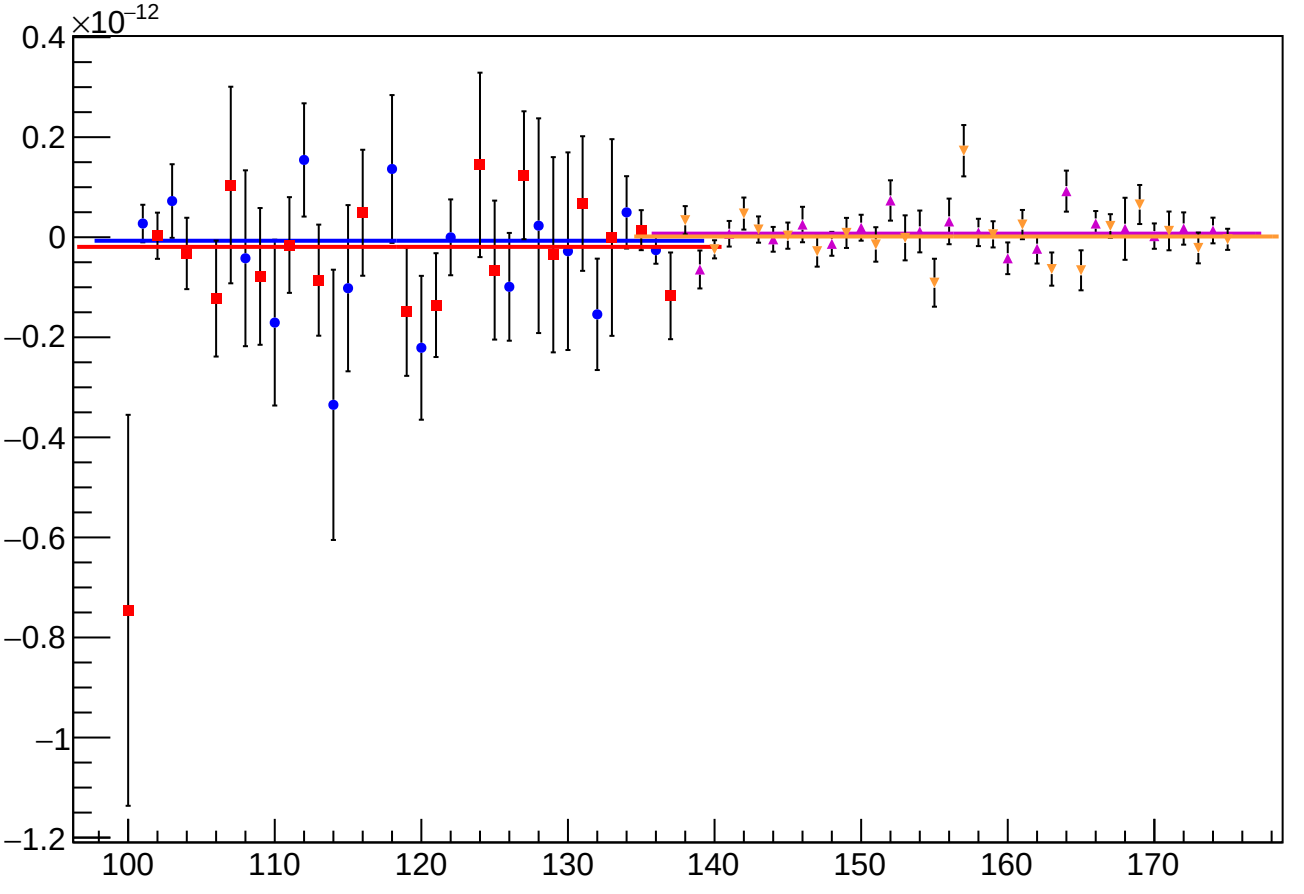
Left In: 110.951+/-0.021 χ^2/NDF:301266.1/17

+ sign 112.741+/-0.017 χ^2/NDF: 1126654.4/35

All: 111.702+/-0.012 χ^2/NDF: 1762483.0/72

- sign 110.680+/-0.017 χ^2/NDF: 628470.0/36

asym_usr_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:33.3/19

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

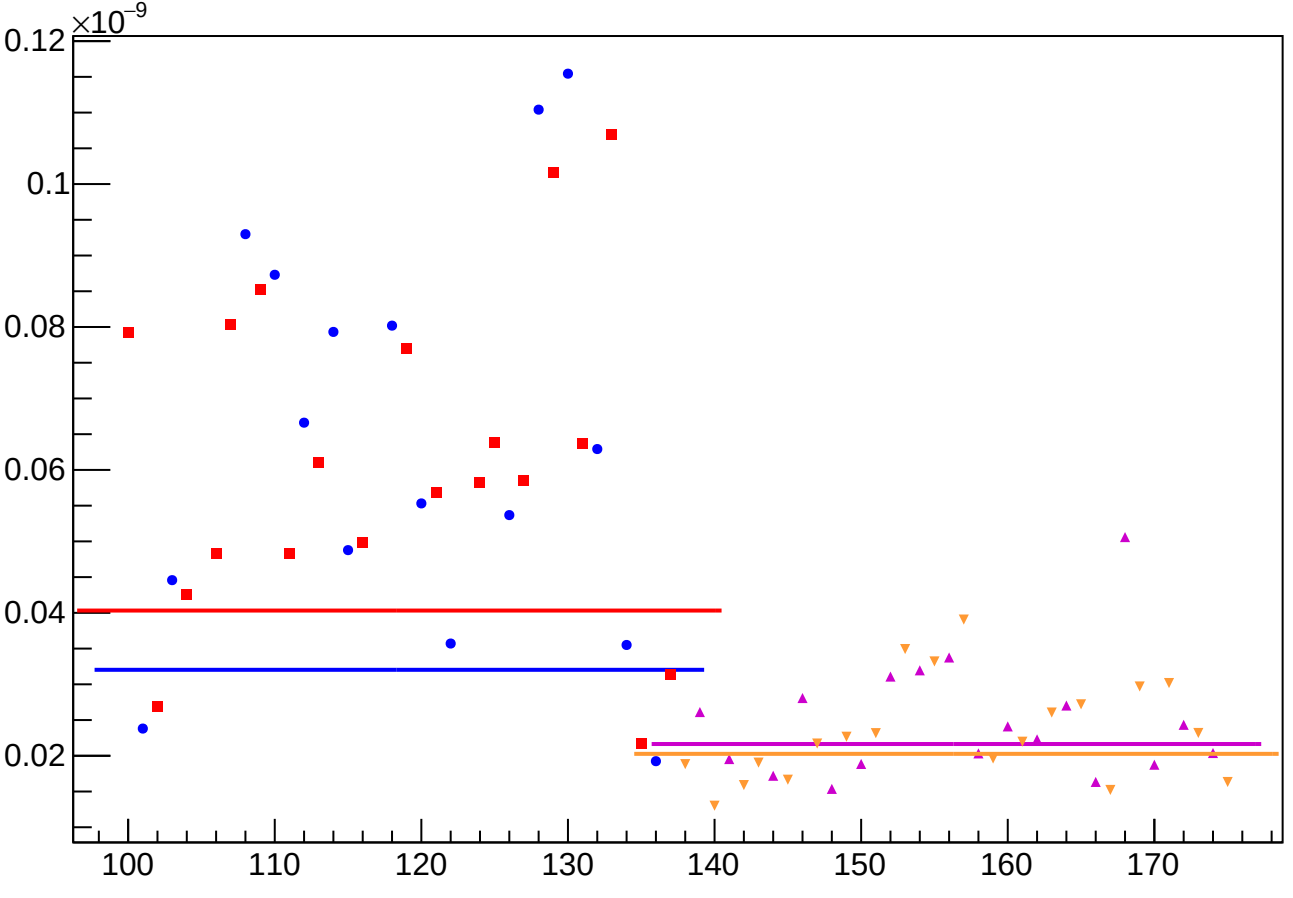
Left In: 0.000+/-0.000 χ^2/NDF:16.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/35

All: 0.000+/-0.000 χ^2/NDF: 77.9/72

- sign 0.000+/-0.000 χ^2/NDF: 30.6/36

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:1618798.2/19

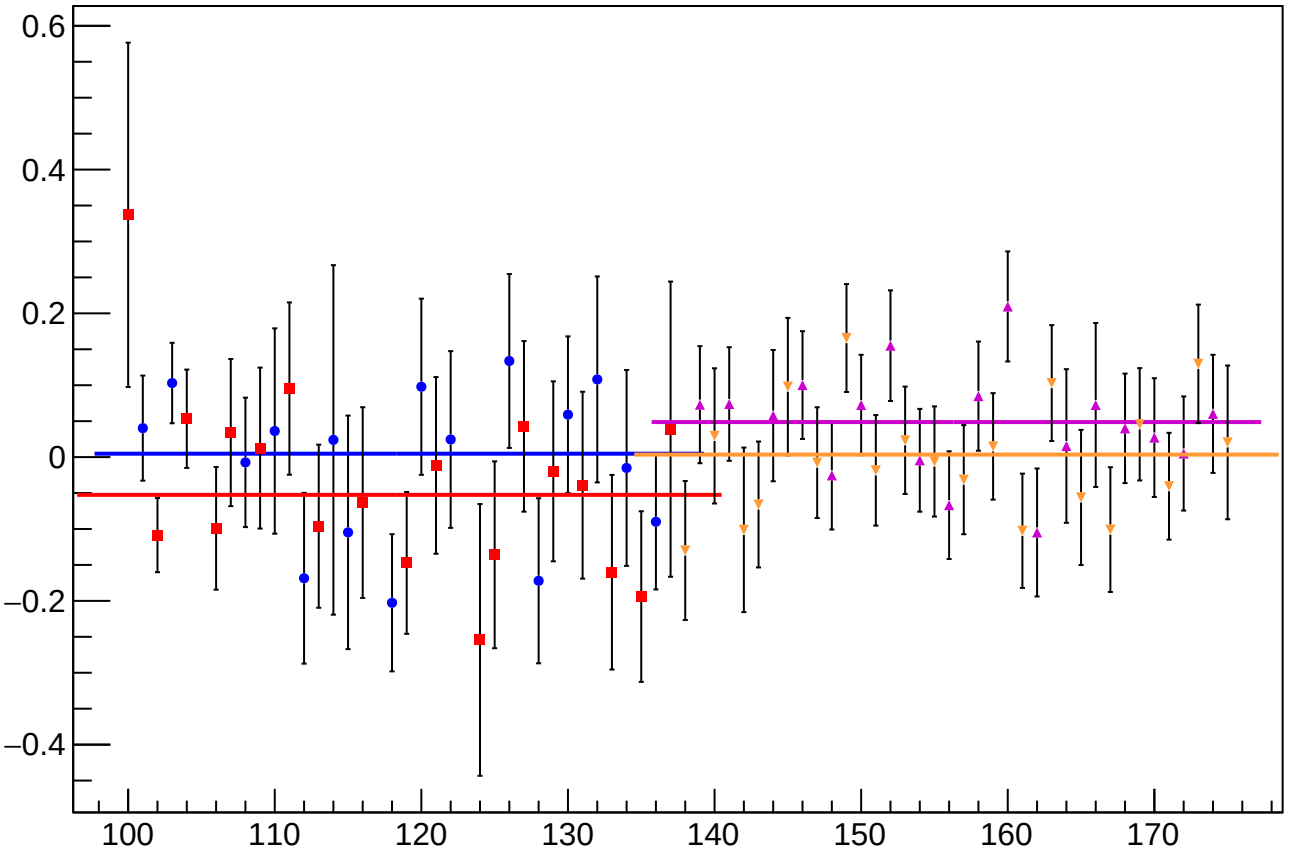
Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1328507.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 4837261.8/35

All: 0.000+/-0.000 χ^2/NDF: 9520985.0/72

- sign 0.000+/-0.000 χ^2/NDF: 4597702.8/36



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

Left Out: 0.004+/-0.019 χ^2/NDF:17.7/19

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

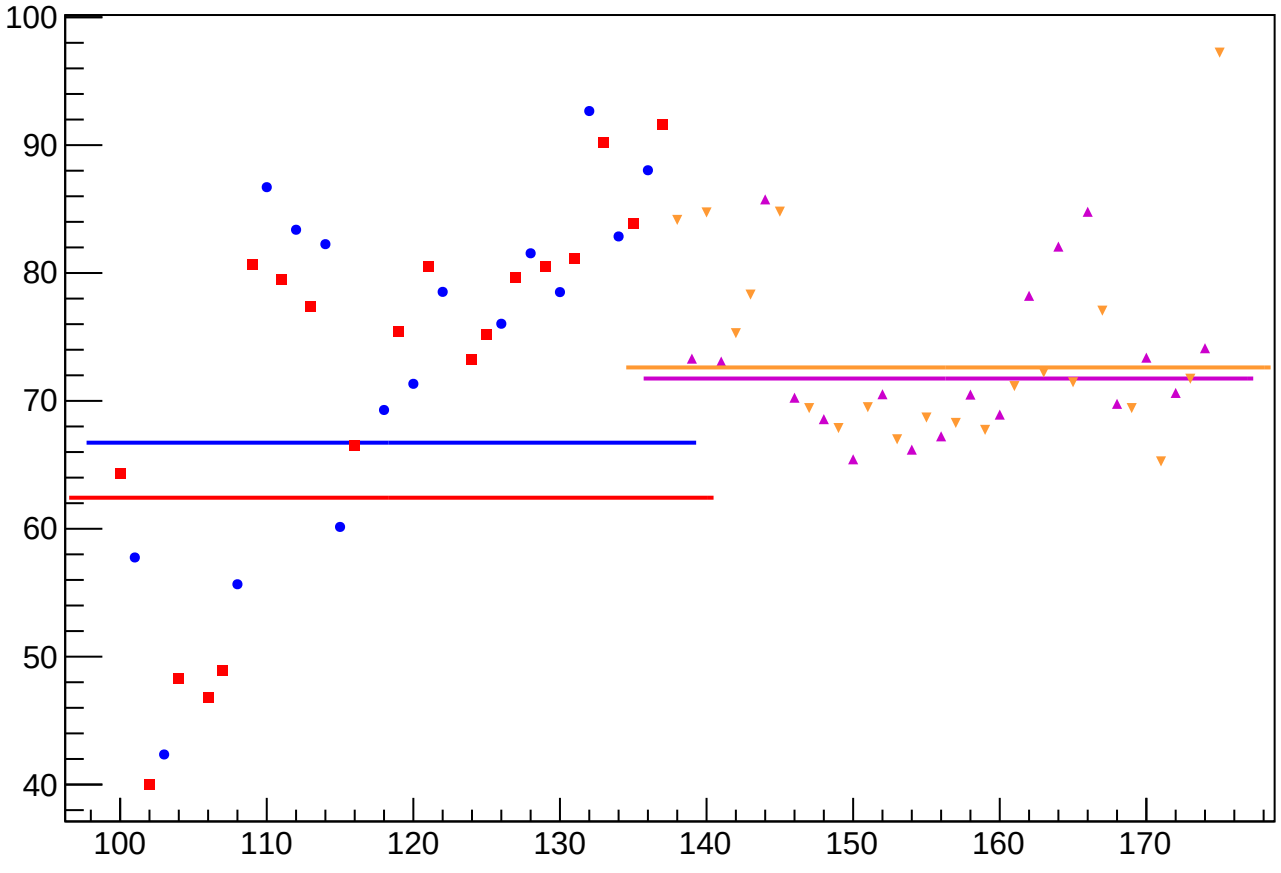
Left In: 0.049+/-0.019 χ^2/NDF:14.8/17

+ sign 0.004+/-0.015 χ^2/NDF: 34.3/35

All: 0.007+/-0.011 χ^2/NDF: 74.9/72

- sign 0.010+/-0.015 χ^2/NDF: 40.5/36

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.616+/-0.013 χ^2/NDF:285496.0/19

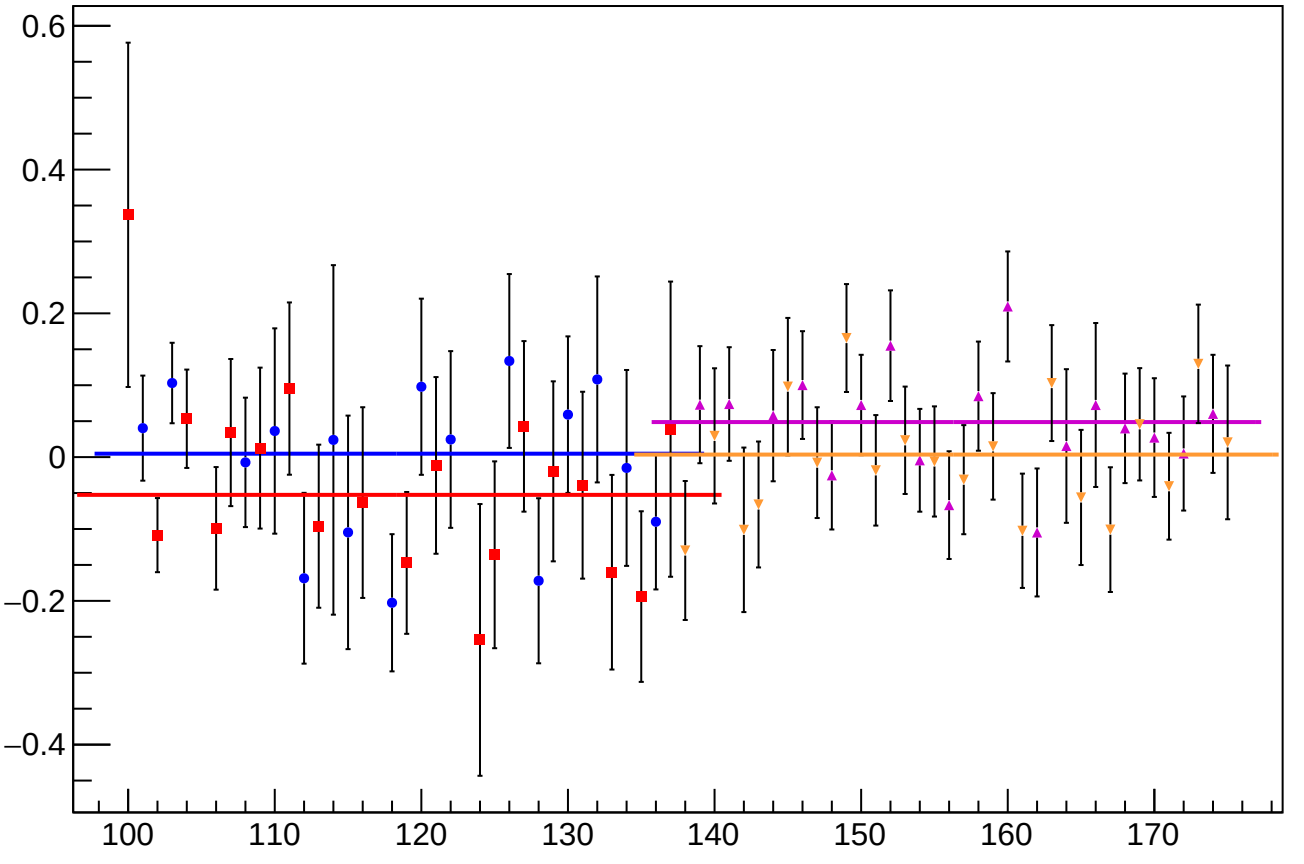
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

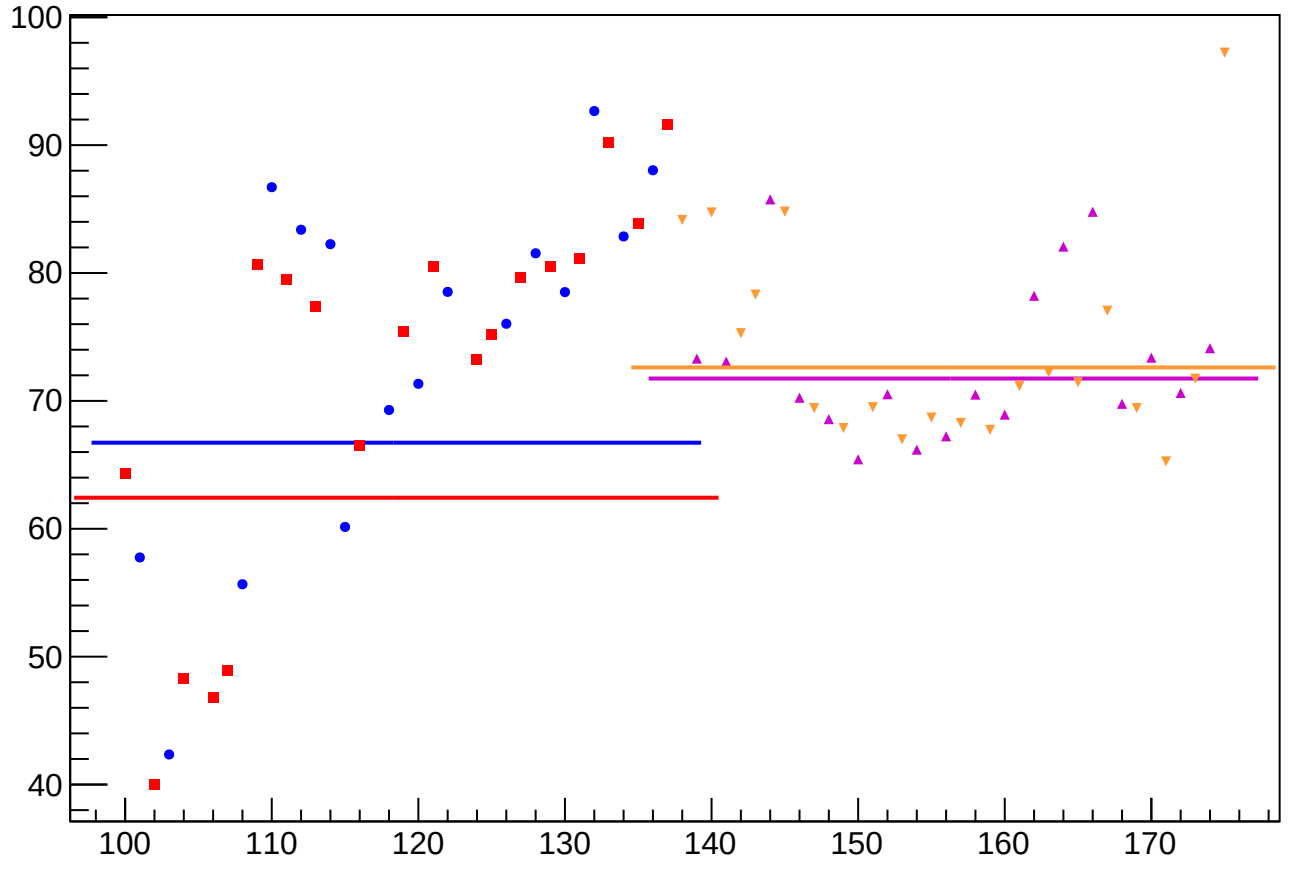
Left In: 71.749+/-0.013 χ^2/NDF:151738.9/17

+ sign 70.616+/-0.011 χ^2/NDF: 1170380.6/35

All: 69.386+/-0.007 χ^2/NDF: 2647480.5/72

- sign 68.193+/-0.011 χ^2/NDF: 1450975.7/36


asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.005+/-0.026 χ²/NDF: 16.6/15
Left Out: 0.004+/-0.019 χ²/NDF:17.7/19
Right Out: -0.053+/-0.024 χ²/NDF: 14.8/18
Left In: 0.049+/-0.019 χ²/NDF:14.8/17
+ sign 0.004+/-0.015 χ²/NDF: 34.3/35
All: 0.007+/-0.011 χ²/NDF: 74.9/72
- sign 0.010+/-0.015 χ²/NDF: 40.5/36



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.616+/-0.013 χ^2/NDF:285496.0/19

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

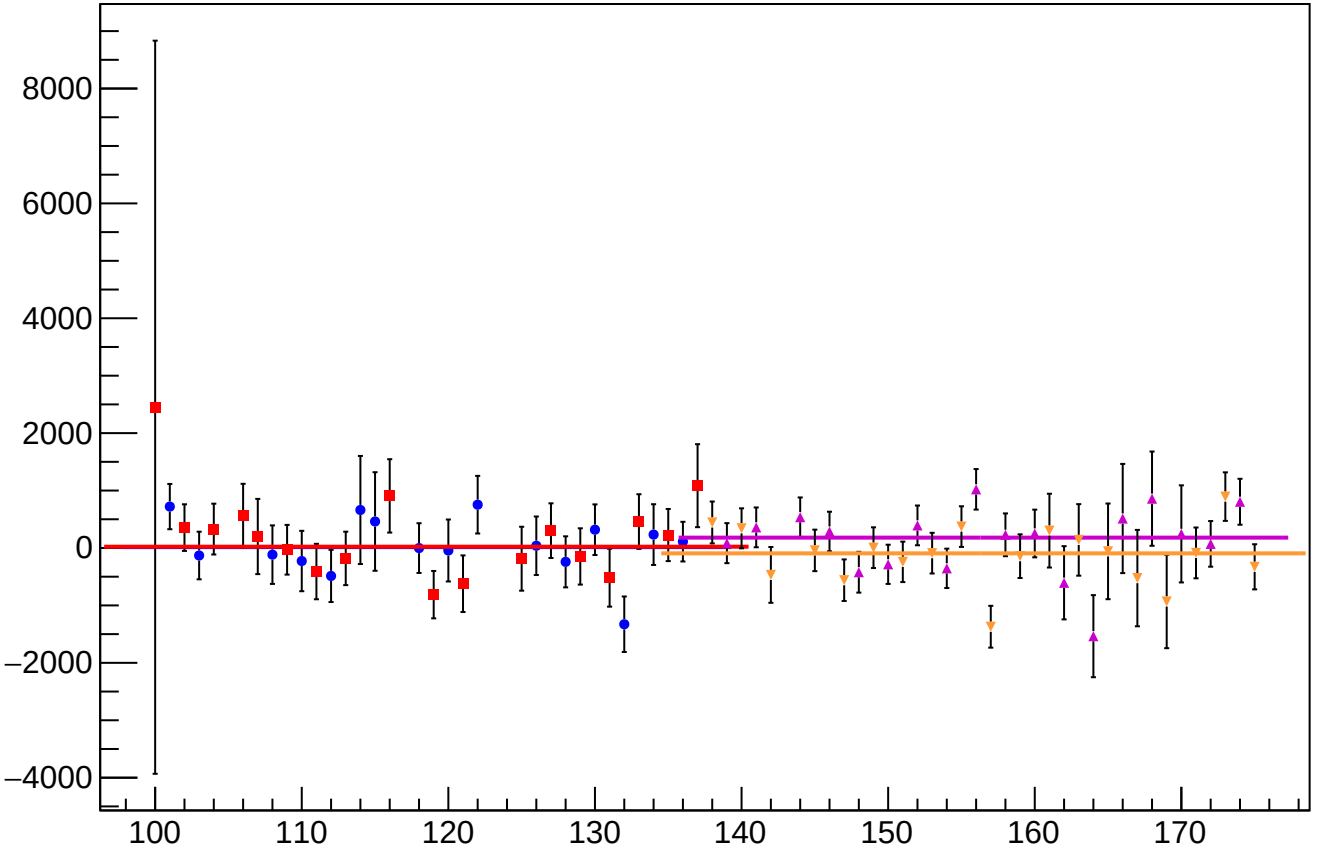
Left In: 71.749+/-0.013 χ^2/NDF:151738.9/17

+ sign 70.616+/-0.011 χ^2/NDF: 1170380.6/35

All: 69.386+/-0.007 χ^2/NDF: 2647480.5/72

- sign 68.193+/-0.011 χ^2/NDF: 1450975.7/36

asym_dsl_mean vs Slug



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

Left Out: -93.458+/-96.081 χ^2/NDF:28.0/18

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

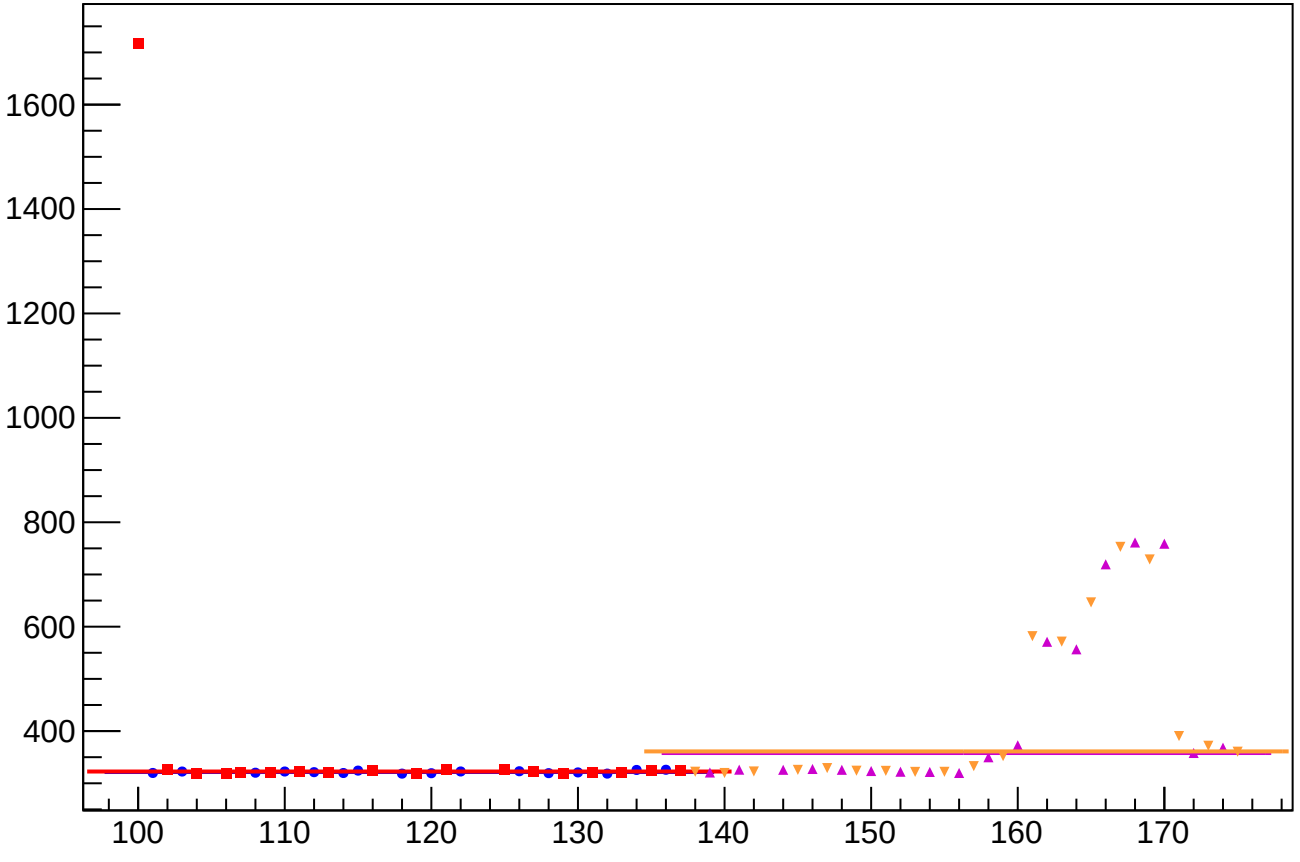
Left In: 180.122+/-95.856 χ^2/NDF:25.4/17

\+ sign -50.640+/-74.863 χ^2/NDF: 45.1/34

All: 33.906+/-52.879 χ^2/NDF: 90.1/70

\- sign 118.090+/-74.702 χ^2/NDF: 42.4/35

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 361.075+/-0.068 χ^2/NDF:1758912.9/18

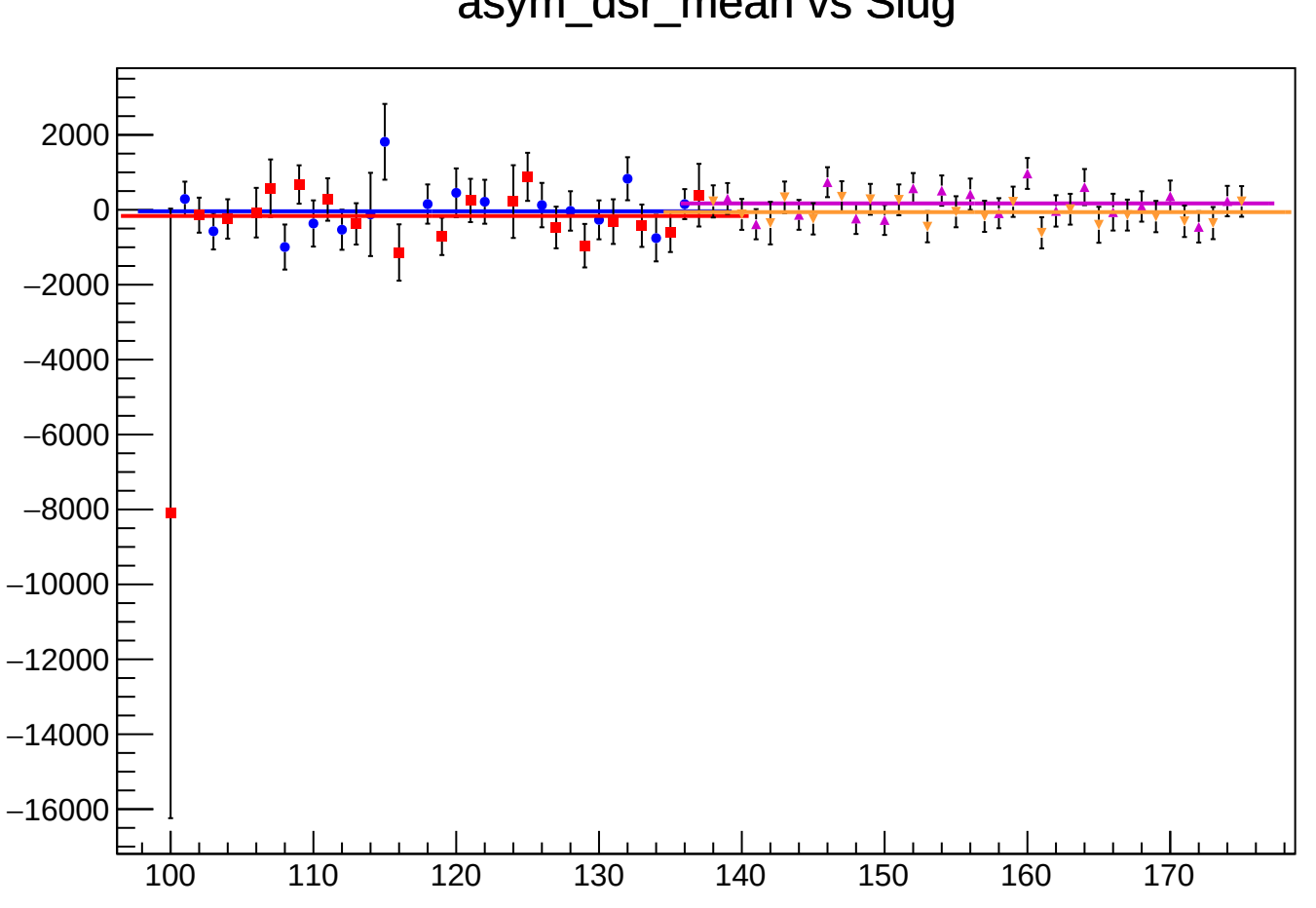
Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 357.990+/-0.068 χ^2/NDF:1781846.4/17

+ sign 345.567+/-0.053 χ^2/NDF: 1892356.9/34

All: 344.819+/-0.037 χ^2/NDF: 3878825.1/70

- sign 344.075+/-0.053 χ^2/NDF: 1986070.3/35



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

Left Out: -61.502+/-94.646 χ^2/NDF:9.2/19

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

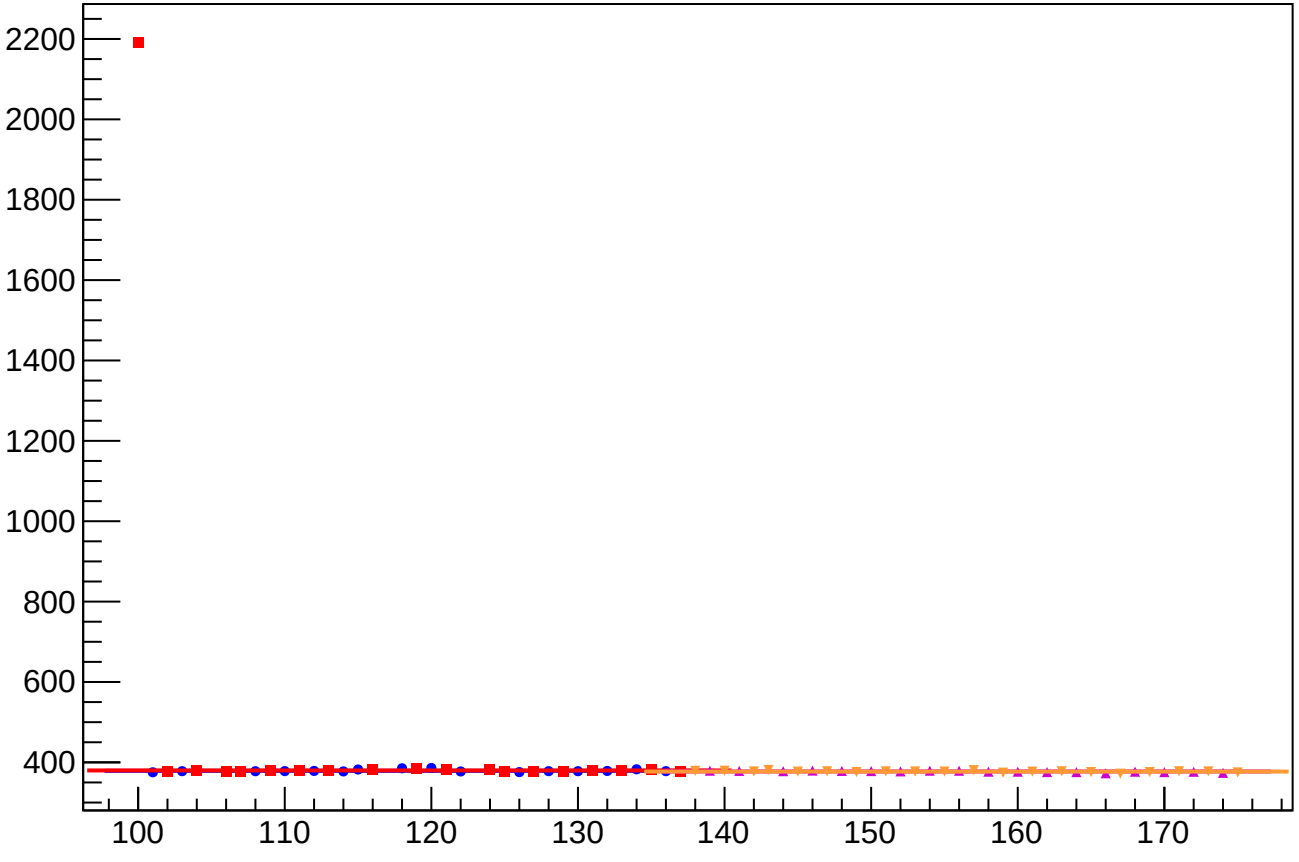
Left In: 170.857+/-97.815 χ^2/NDF:16.8/17

\+ sign -54.467+/-78.535 χ^2/NDF: 23.0/35

All: 1.573+/-56.039 χ^2/NDF: 59.8/72

\- sign 59.703+/-79.986 χ^2/NDF: 35.8/36

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.109+/-0.067 χ^2/NDF:940.9/19

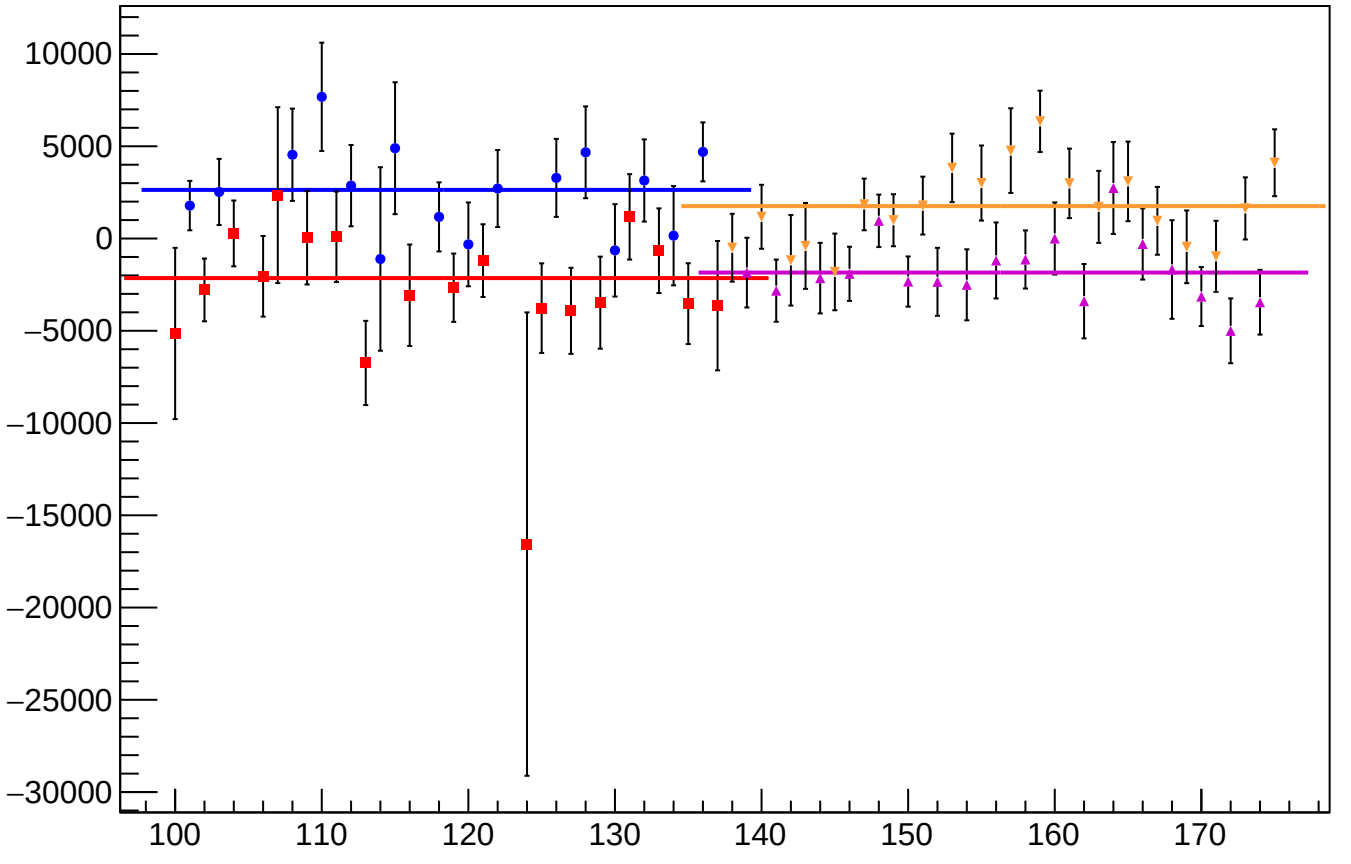
Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 377.327+/-0.069 χ^2/NDF:663.6/17

+ sign 377.670+/-0.056 χ^2/NDF: 2017.7/35

All: 377.916+/-0.040 χ^2/NDF: 102793.5/72

- sign 378.172+/-0.057 χ^2/NDF: 100735.6/36



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

Left Out: 1755.717+/-409.809 χ^2/NDF:24.1/19

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

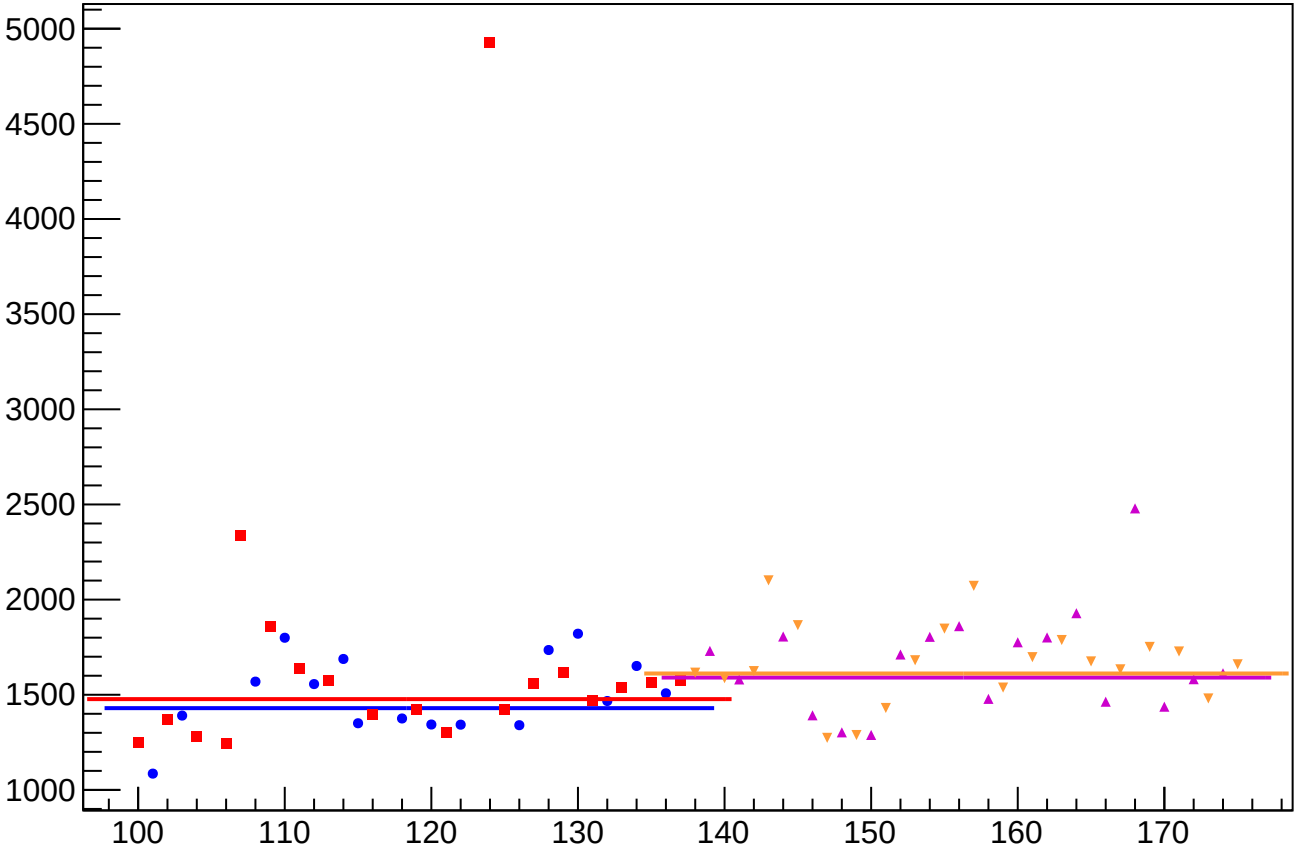
Left In: -1844.209+/-417.885 χ^2/NDF:15.1/17

+ sign 2078.691+/-326.010 χ^2/NDF: 38.0/35

All: 98.978+/-232.634 χ^2/NDF: 143.5/72

- sign -1954.914+/-332.062 χ^2/NDF: 30.4/36

asym_us_agg_avg_rms vs Slug



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

Left Out: 1611.725+/-0.290 χ^2/NDF:534835.8/19

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

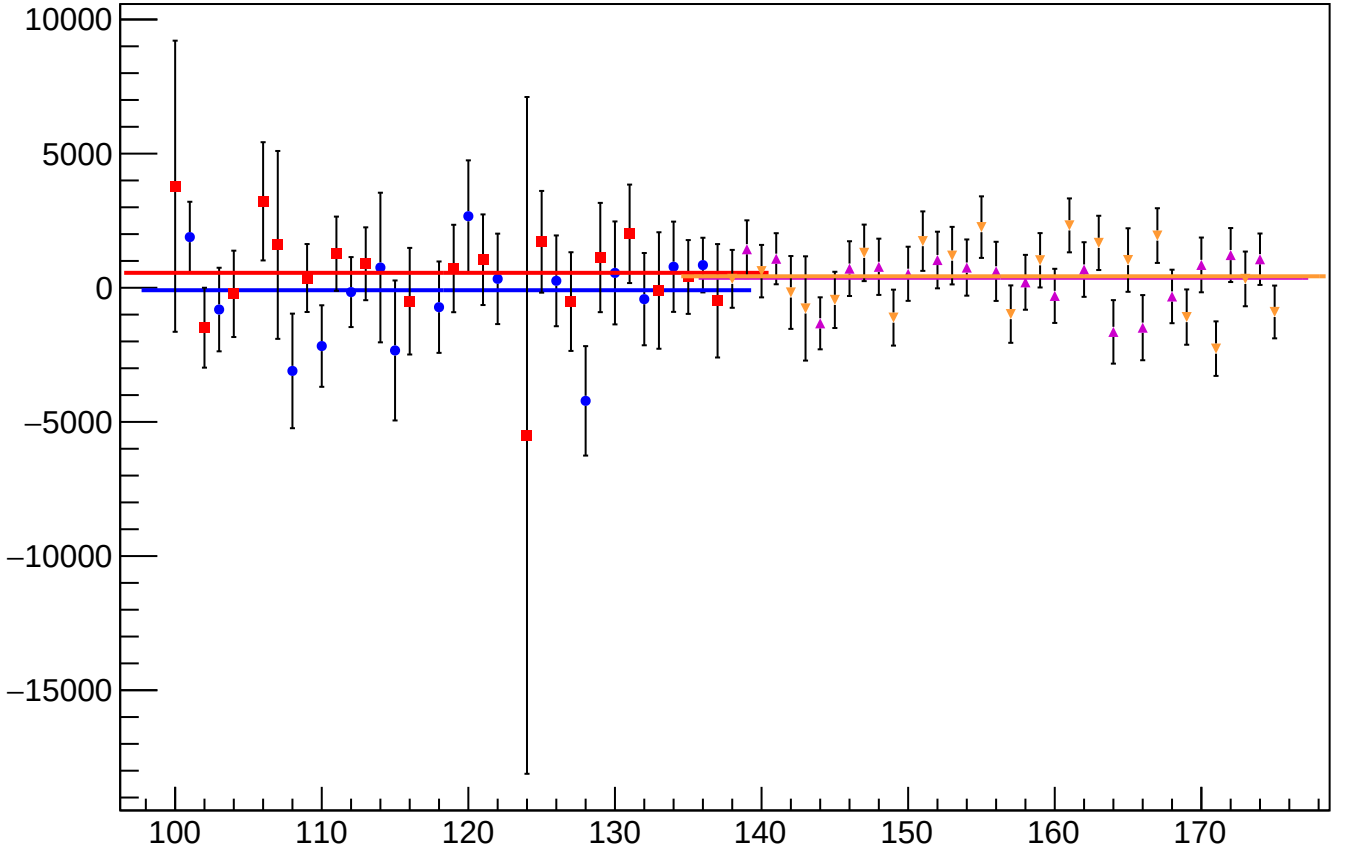
Left In: 1590.423+/-0.295 χ^2/NDF:656615.3/17

+ sign 1544.877+/-0.231 χ^2/NDF: 973165.5/35

All: 1546.736+/-0.164 χ^2/NDF: 2053528.9/72

- sign 1548.665+/-0.235 χ^2/NDF: 1080230.9/36

asym_us_agg_dd_mean vs Slug



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

Left Out: 427.960+/-240.551 χ^2/NDF:29.4/19

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

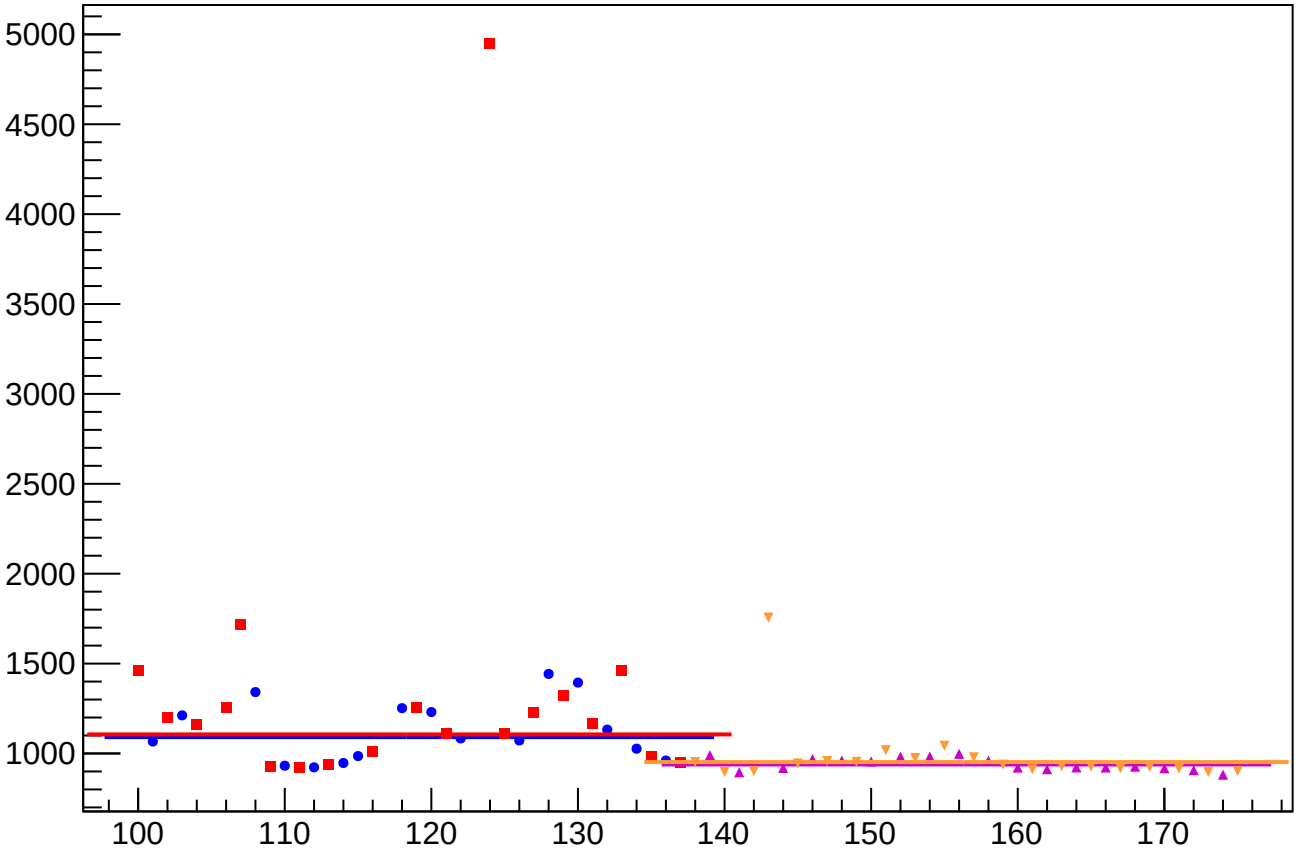
Left In: 372.694+/-243.588 χ^2/NDF:13.2/17

+ sign 294.966+/-207.472 χ^2/NDF: 45.1/35

All: 357.096+/-147.450 χ^2/NDF: 65.4/72

- sign 420.504+/-209.595 χ^2/NDF: 20.1/36

asym_us_agg_dd_rms vs Slug



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

Left Out: 952.245+/-0.170 χ^2/NDF:395189.2/19

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

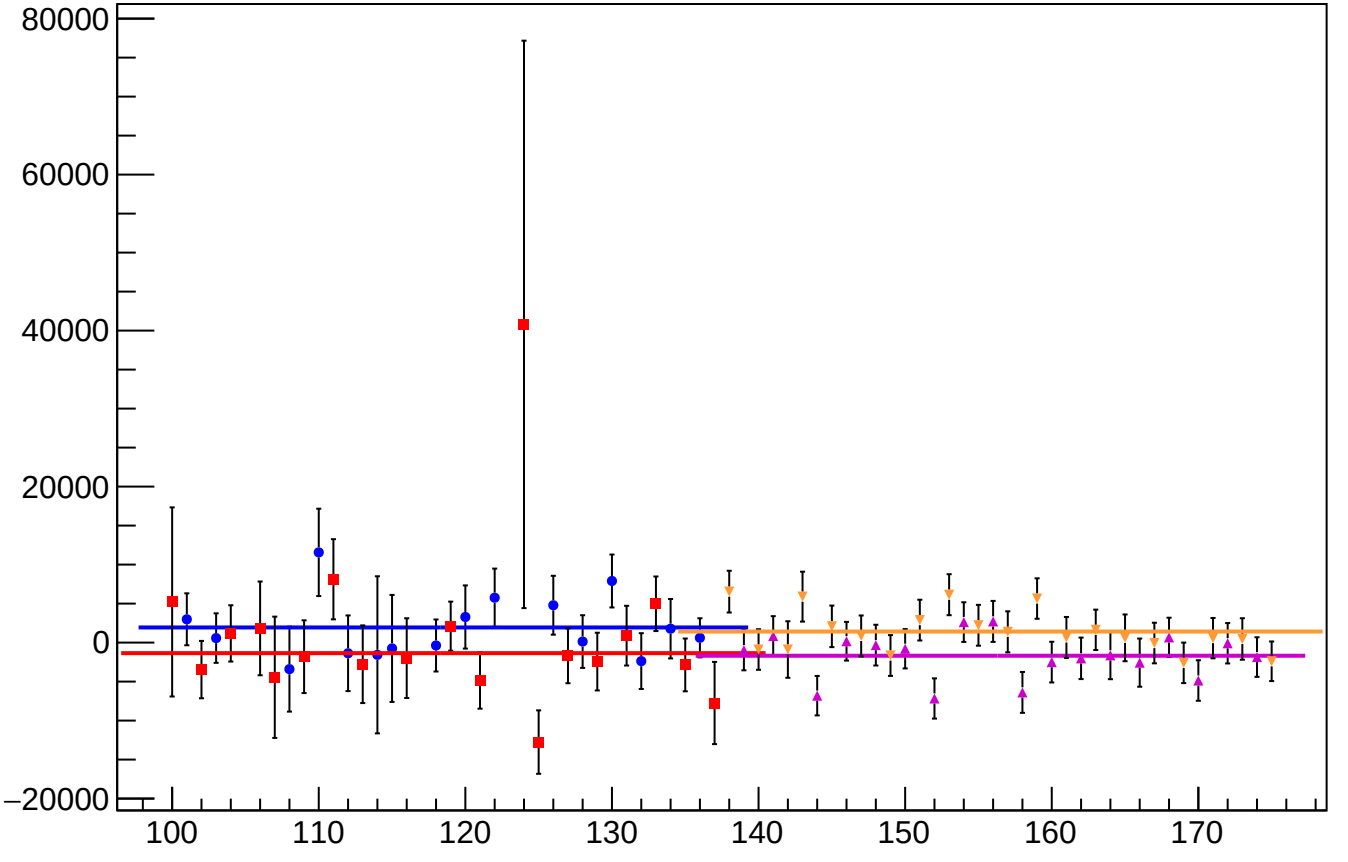
Left In: 938.907+/-0.172 χ^2/NDF:39256.9/17

+ sign 987.793+/-0.147 χ^2/NDF: 843029.0/35

All: 985.075+/-0.104 χ^2/NDF: 1641546.5/72

- sign 982.301+/-0.148 χ^2/NDF: 797823.9/36

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1417.335+/-600.737 χ^2/NDF:20.0/19

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

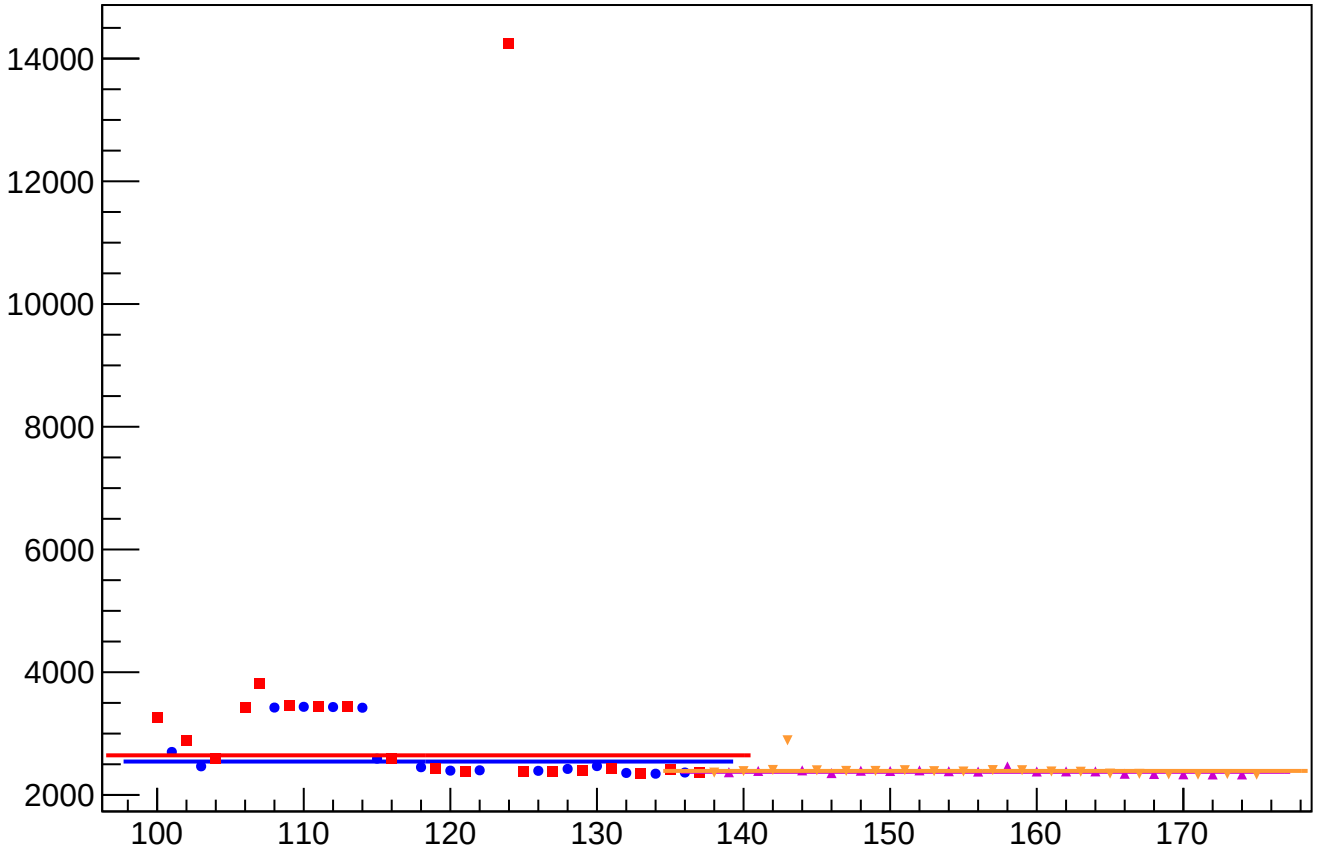
Left In: -1687.276+/-616.225 χ^2/NDF:22.5/17

+ sign 1565.968+/-508.125 χ^2/NDF: 32.4/35

All: 30.146+/-364.252 χ^2/NDF: 95.6/72

- sign -1593.383+/-522.432 χ^2/NDF: 44.4/36

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2391.662+/-0.425 χ^2/NDF:54218.5/19

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

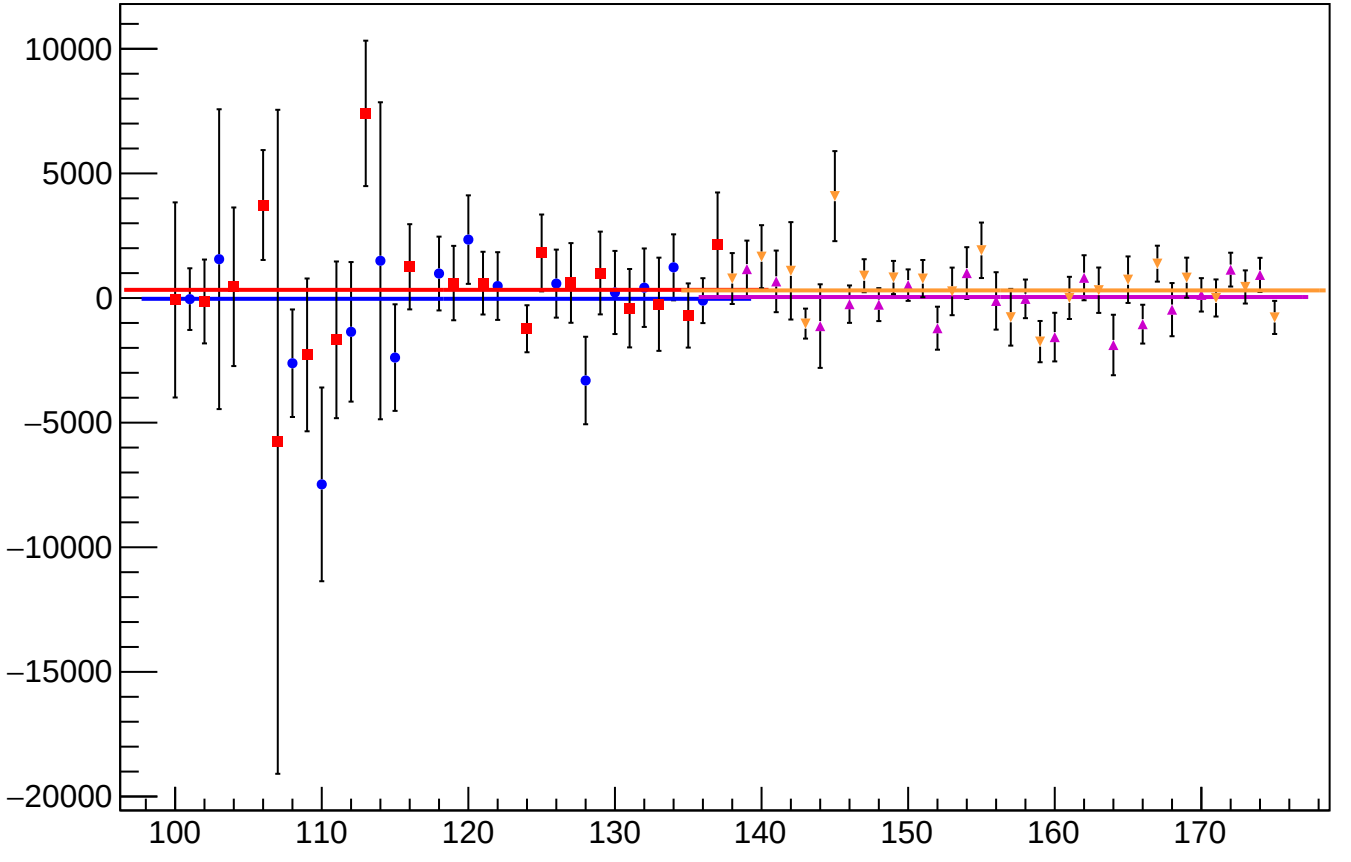
Left In: 2377.081+/-0.436 χ^2/NDF:5151.3/17

+ sign 2435.130+/-0.359 χ^2/NDF: 316630.5/35

All: 2443.629+/-0.258 χ^2/NDF: 966738.1/72

- sign 2452.614+/-0.369 χ^2/NDF: 648956.6/36

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 306.395+/-185.906 χ^2/NDF:27.6/19

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

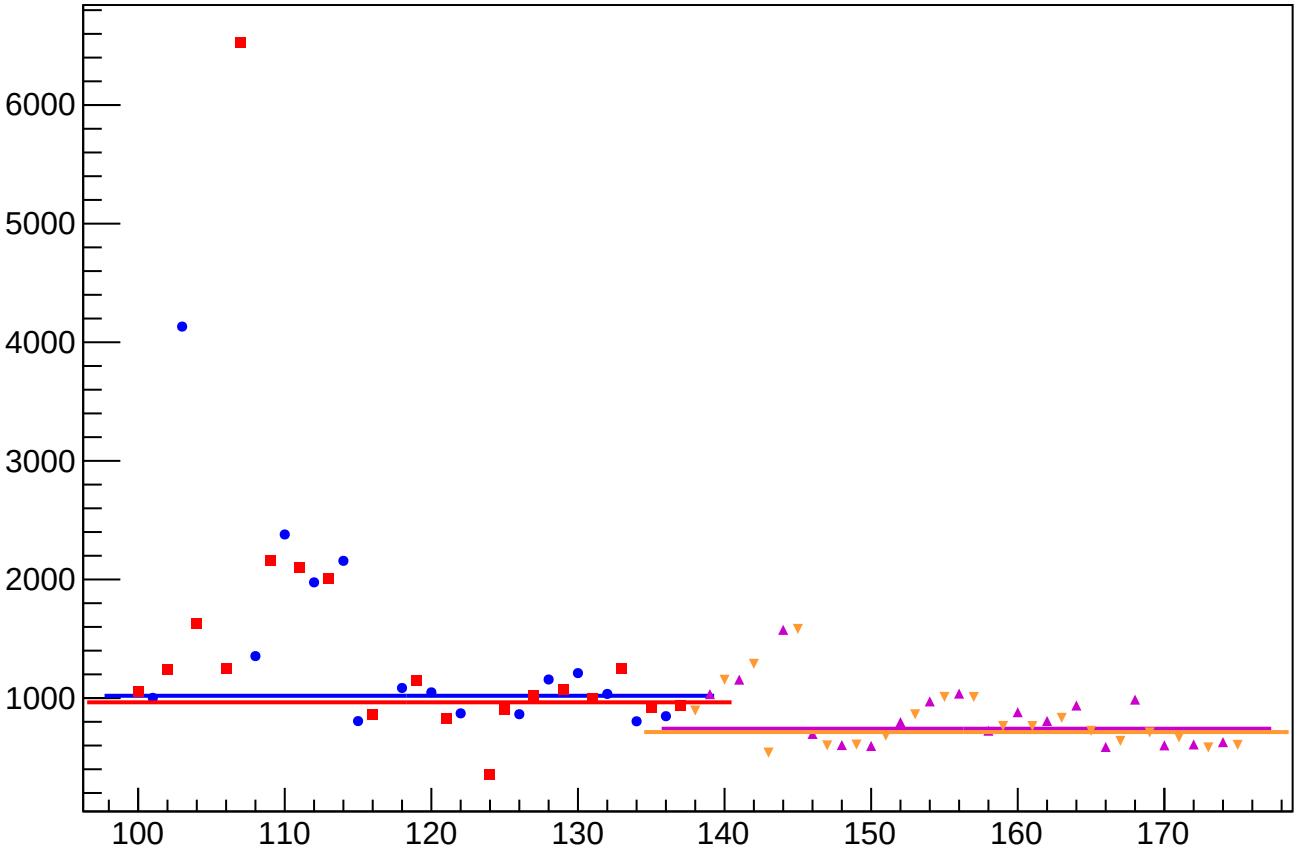
Left In: 40.604+/-199.832 χ^2/NDF:18.1/17

+ sign 247.817+/-169.009 χ^2/NDF: 41.9/35

All: 177.258+/-122.770 χ^2/NDF: 76.4/72

- sign 98.432+/-178.637 χ^2/NDF: 34.1/36

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 713.605+/-0.131 χ^2/NDF:1752684.4/19

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

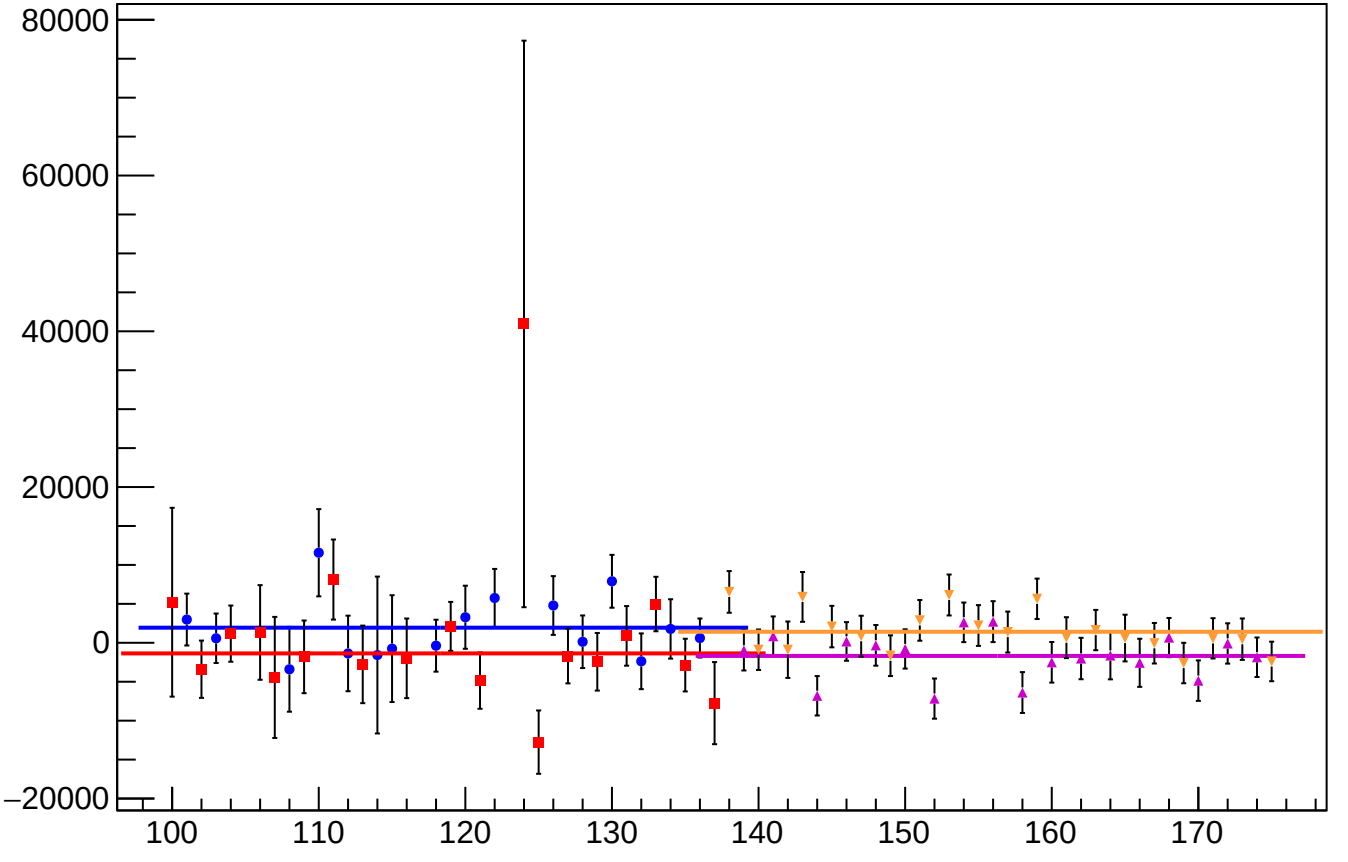
Left In: 741.795+/-0.141 χ^2/NDF:1793510.3/17

+ sign 766.689+/-0.120 χ^2/NDF: 4057163.1/35

All: 776.050+/-0.087 χ^2/NDF: 8671475.4/72

- sign 786.508+/-0.126 χ^2/NDF: 4601321.3/36

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1417.291+/-600.737 χ^2/NDF:20.0/19

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

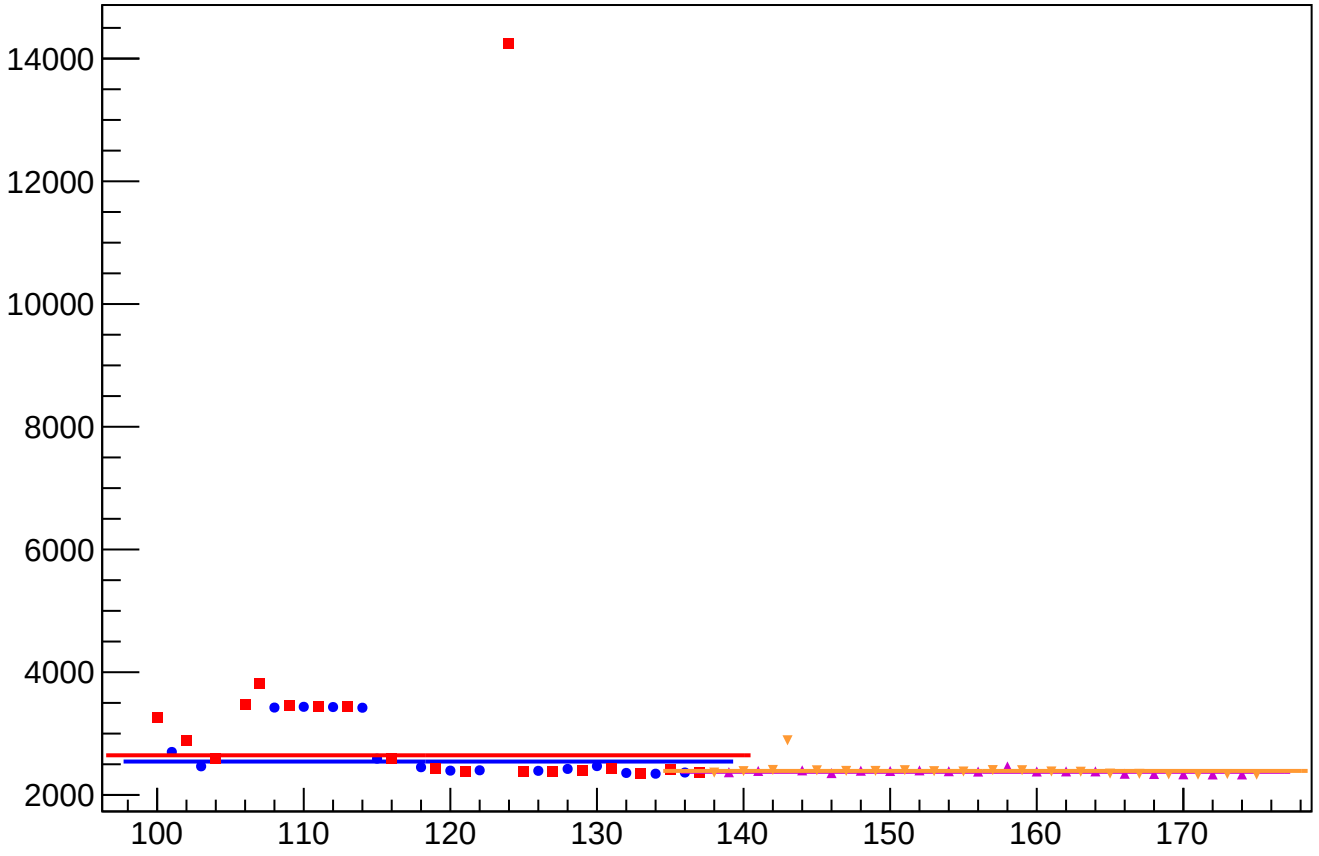
Left In: -1687.354+/-616.225 χ^2/NDF:22.5/17

+ sign 1566.036+/-508.125 χ^2/NDF: 32.4/35

All: 28.949+/-364.267 χ^2/NDF: 95.5/72

- sign -1596.196+/-522.477 χ^2/NDF: 44.3/36

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2391.662+/-0.425 χ^2/NDF:54218.5/19

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

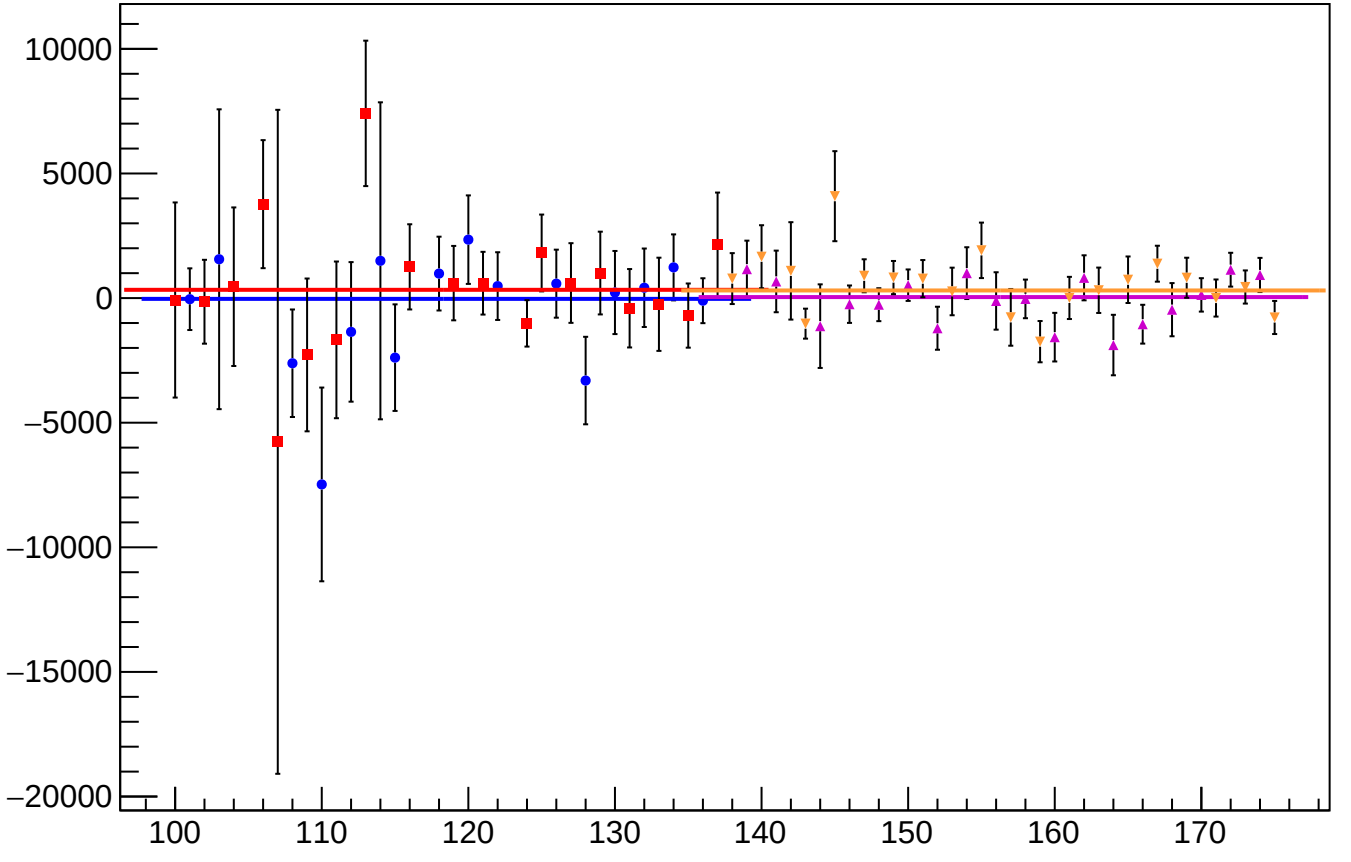
Left In: 2377.081+/-0.436 χ^2/NDF:5151.3/17

+ sign 2435.130+/-0.359 χ^2/NDF: 316630.5/35

All: 2443.688+/-0.258 χ^2/NDF: 969731.9/72

- sign 2452.737+/-0.369 χ^2/NDF: 651934.1/36

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 306.379+/-185.907 χ^2/NDF:27.6/19

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

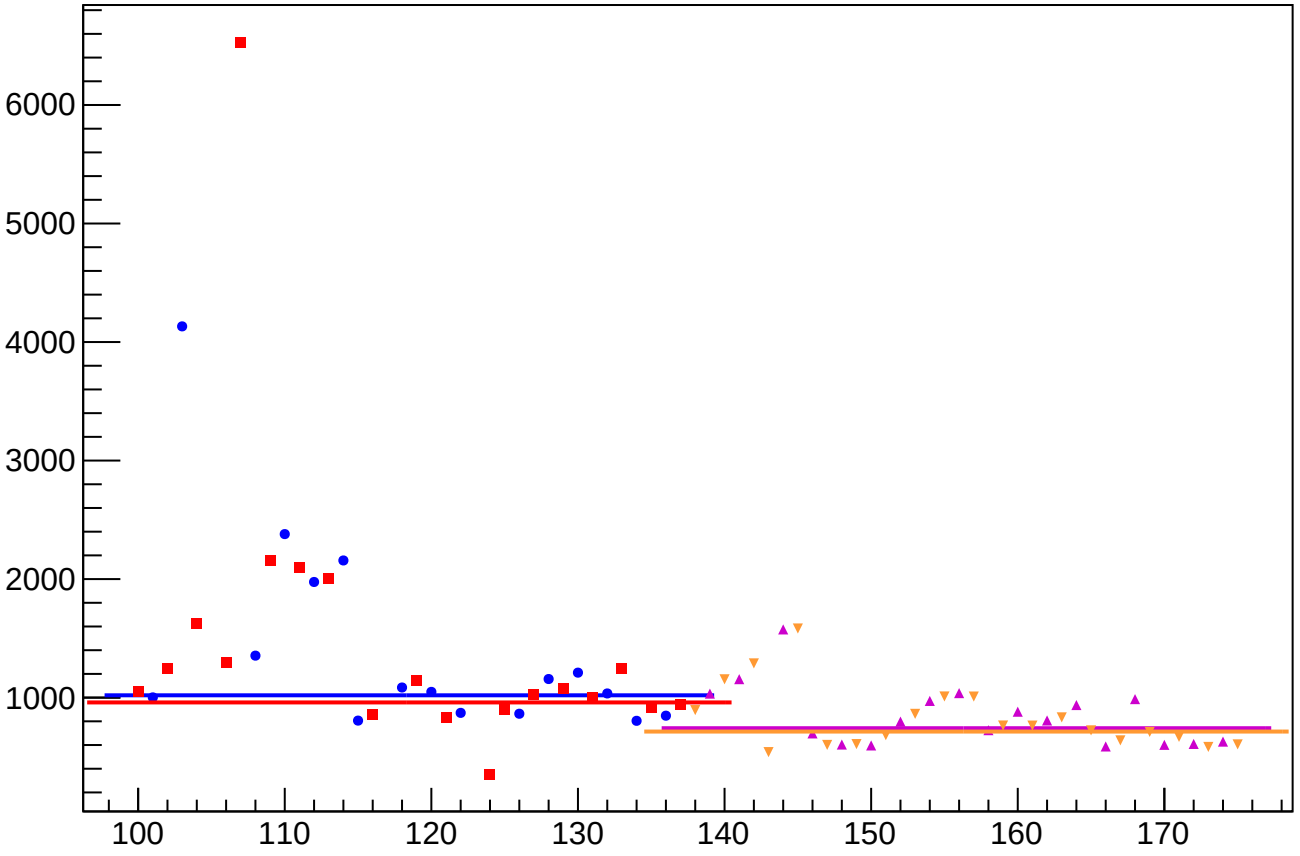
Left In: 40.505+/-199.833 χ^2/NDF:18.1/17

+ sign 247.792+/-169.009 χ^2/NDF: 41.9/35

All: 177.483+/-122.793 χ^2/NDF: 75.2/72

- sign 98.874+/-178.706 χ^2/NDF: 32.9/36

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.606+/-0.131 χ^2/NDF:1752774.4/19

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

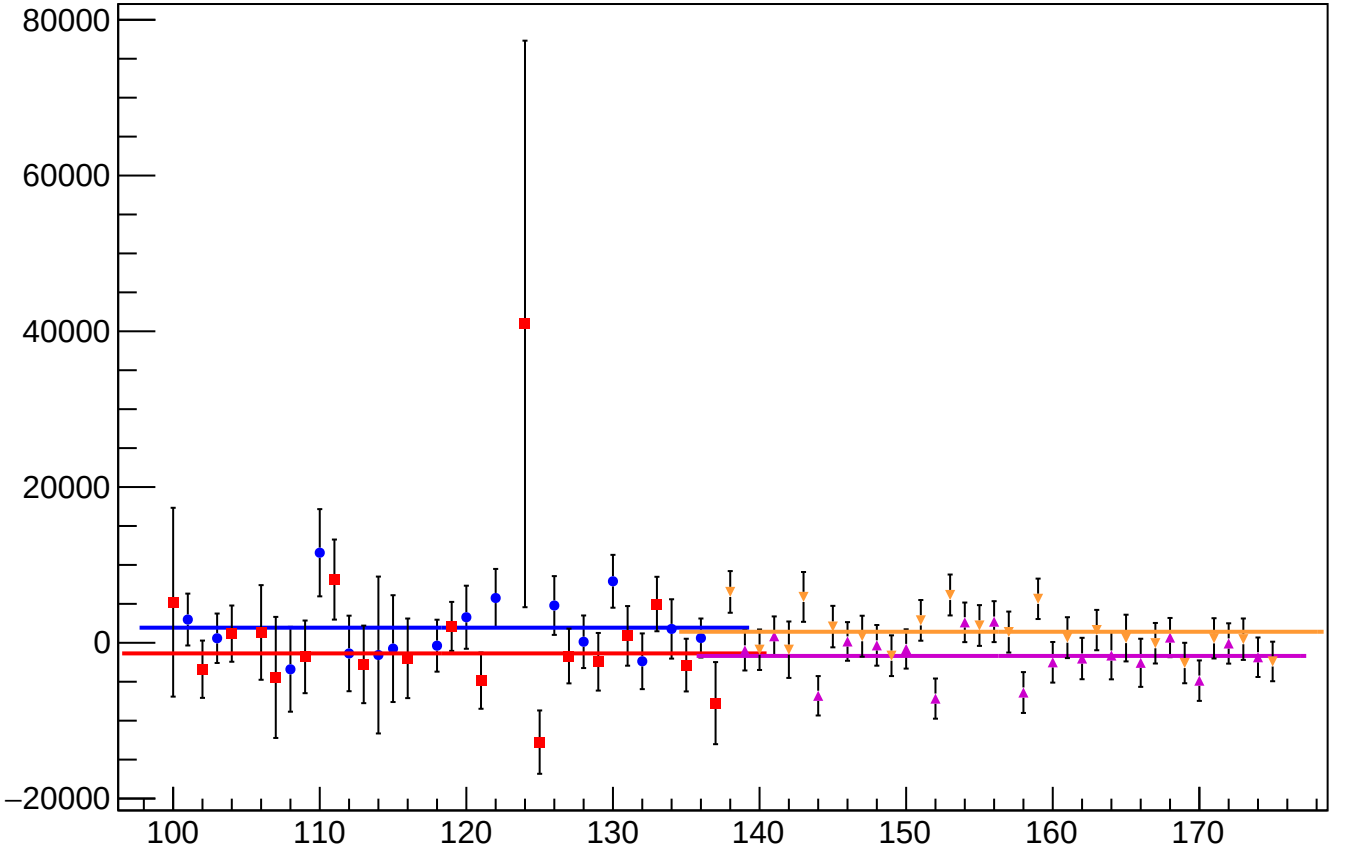
Left In: 741.795+/-0.141 χ^2/NDF:1793666.1/17

+ sign 766.689+/-0.120 χ^2/NDF: 4057200.2/35

All: 775.505+/-0.087 χ^2/NDF: 8681528.0/72

- sign 785.362+/-0.126 χ^2/NDF: 4612800.3/36

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1417.291+/-600.737 χ^2/NDF:20.0/19

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

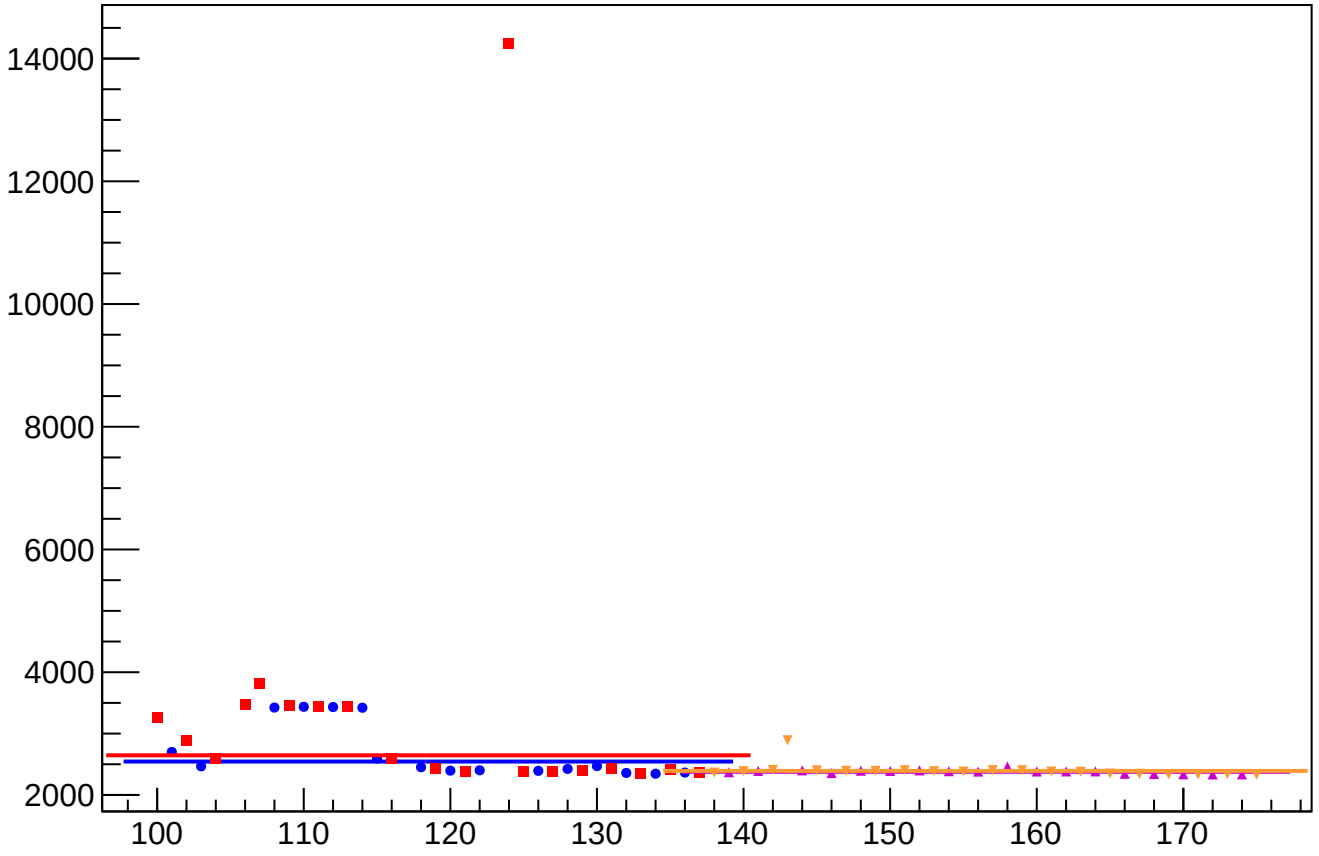
Left In: -1687.354+/-616.225 χ^2/NDF:22.5/17

+ sign 1566.036+/-508.125 χ^2/NDF: 32.4/35

All: 28.949+/-364.267 χ^2/NDF: 95.5/72

- sign -1596.196+/-522.477 χ^2/NDF: 44.3/36

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2391.662+/-0.425 χ^2/NDF:54218.5/19

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

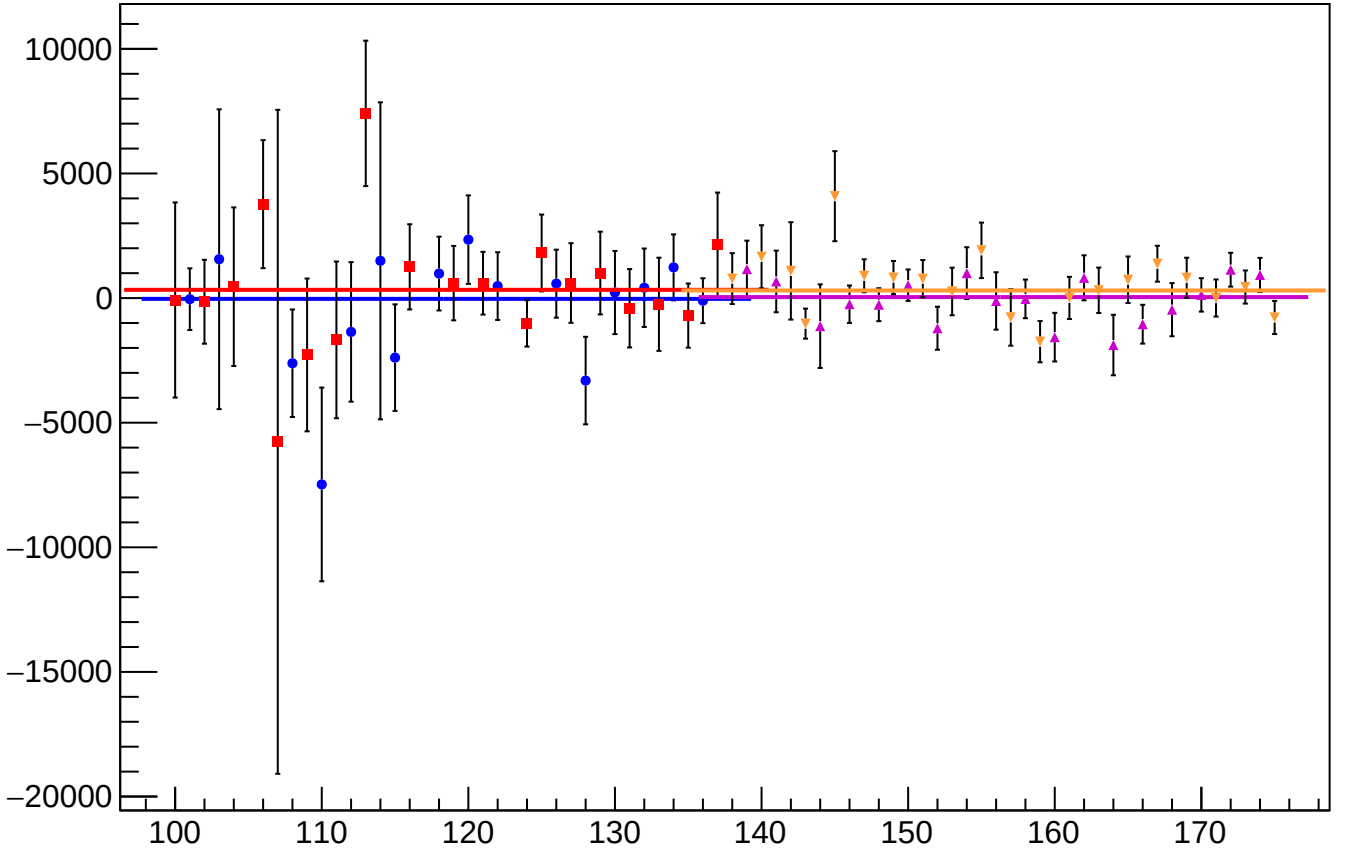
Left In: 2377.081+/-0.436 χ^2/NDF:5151.3/17

+ sign 2435.130+/-0.359 χ^2/NDF: 316630.5/35

All: 2443.688+/-0.258 χ^2/NDF: 969731.9/72

- sign 2452.737+/-0.369 χ^2/NDF: 651934.1/36

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 306.379+/-185.907 χ^2/NDF:27.6/19

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

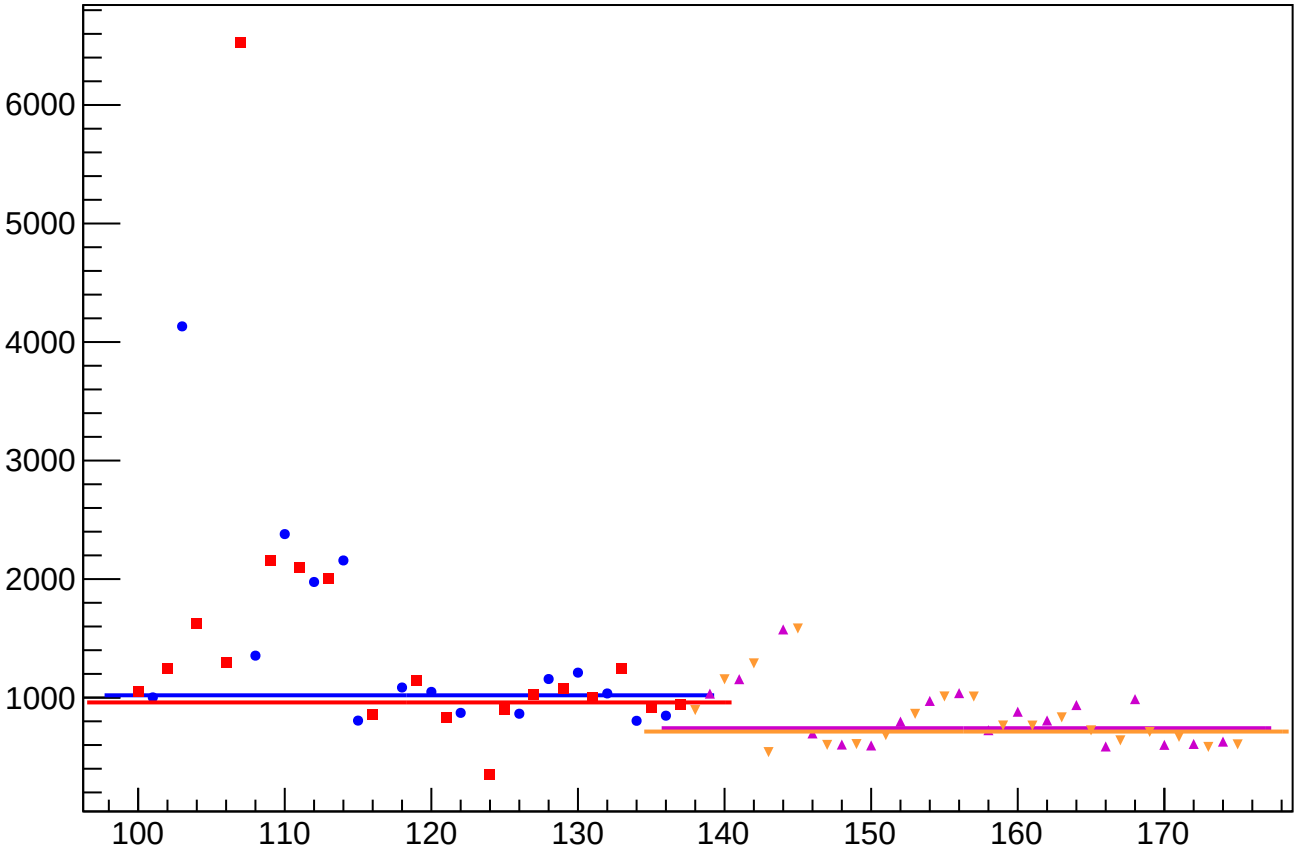
Left In: 40.505+/-199.833 χ^2/NDF:18.1/17

+ sign 247.792+/-169.009 χ^2/NDF: 41.9/35

All: 177.483+/-122.793 χ^2/NDF: 75.2/72

- sign 98.874+/-178.706 χ^2/NDF: 32.9/36

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.606+/-0.131 χ^2/NDF:1752774.4/19

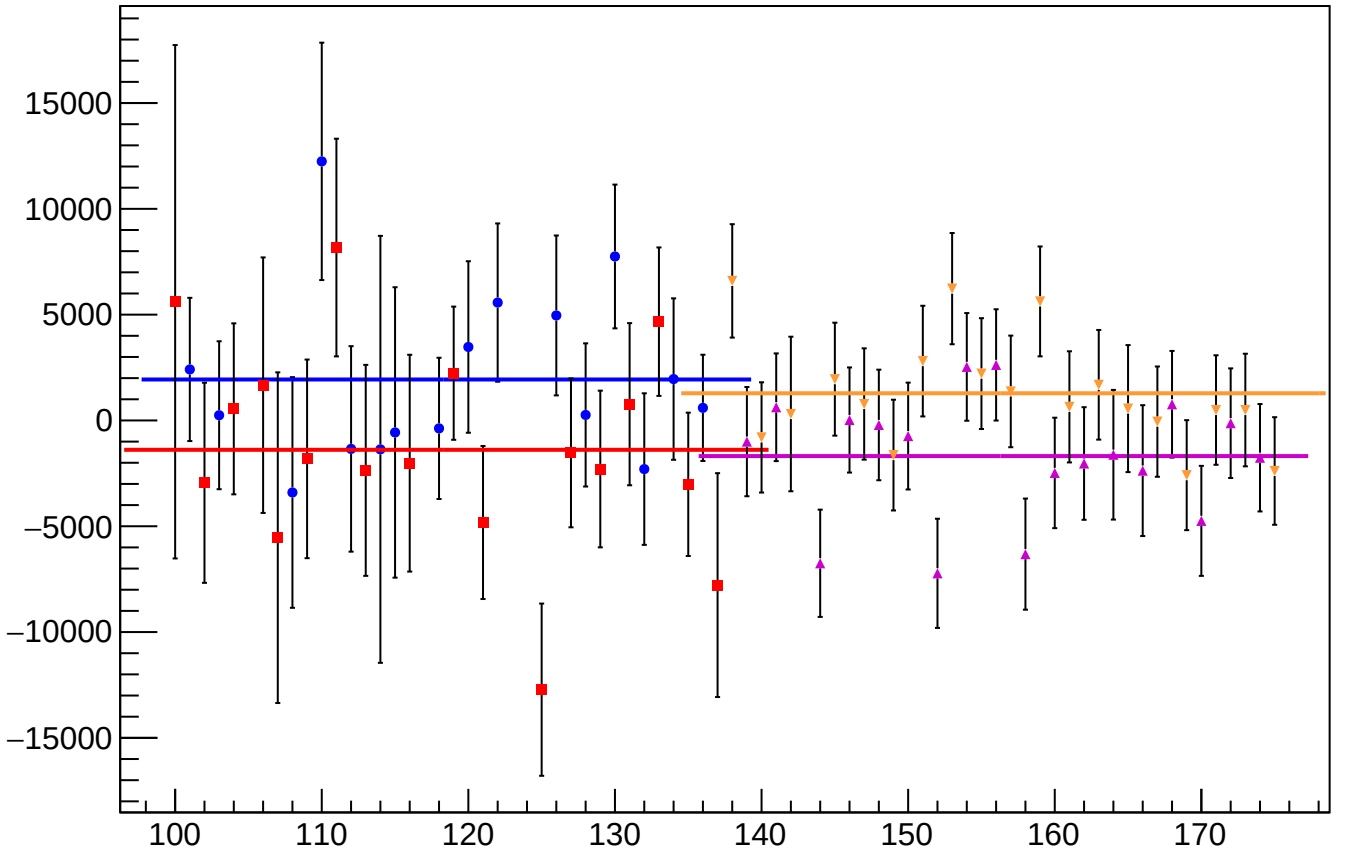
Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 741.795+/-0.141 χ^2/NDF:1793666.1/17

+ sign 766.689+/-0.120 χ^2/NDF: 4057200.2/35

All: 775.505+/-0.087 χ^2/NDF: 8681528.0/72

- sign 785.362+/-0.126 χ^2/NDF: 4612800.3/36



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1284.346+/-612.308 χ^2/NDF:17.7/18

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

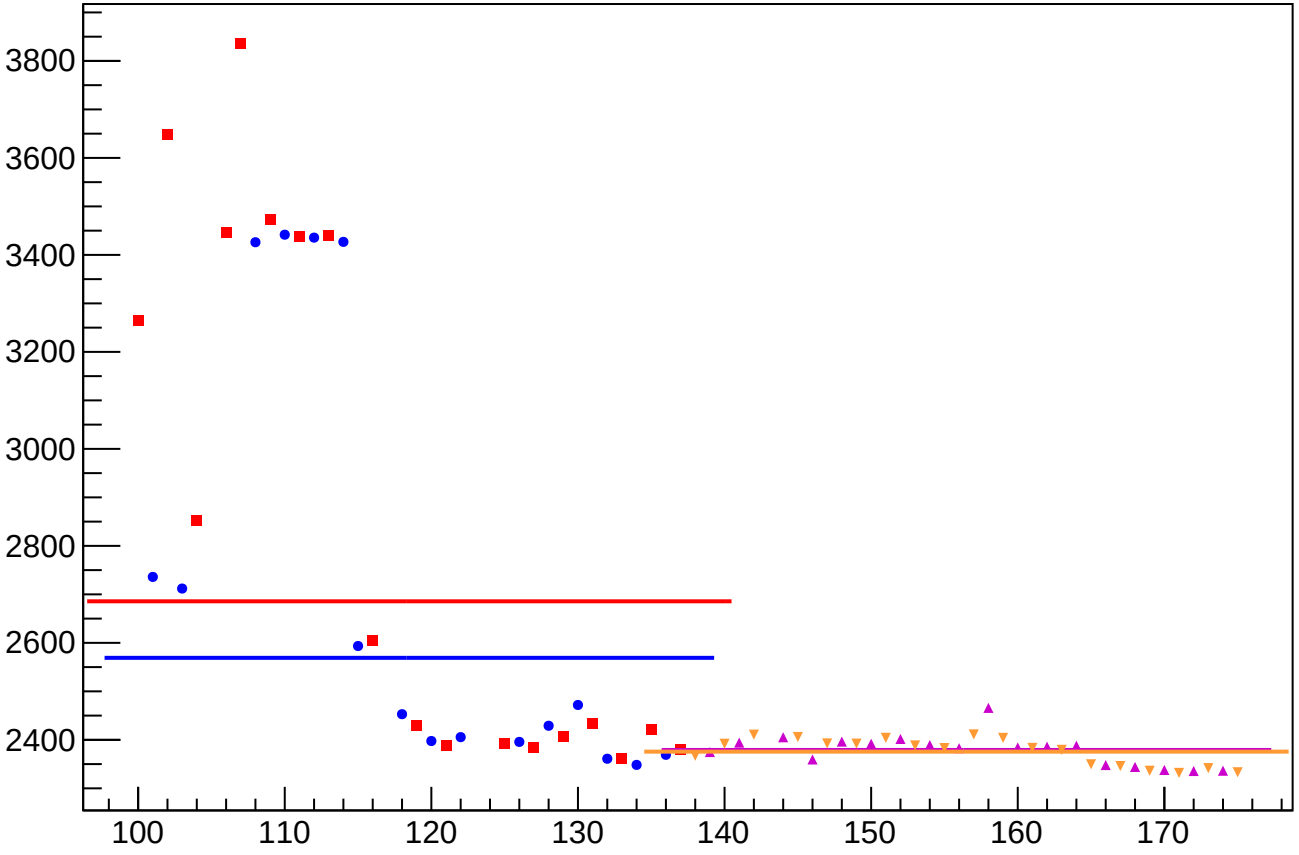
Left In: -1683.726+/-616.755 χ^2/NDF:21.8/17

+ sign 1472.139+/-516.600 χ^2/NDF: 30.4/34

All: -37.072+/-368.655 χ^2/NDF: 89.4/70

- sign -1603.177+/-526.247 χ^2/NDF: 41.6/35

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2375.669+/-0.433 χ^2/NDF:3957.4/18

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

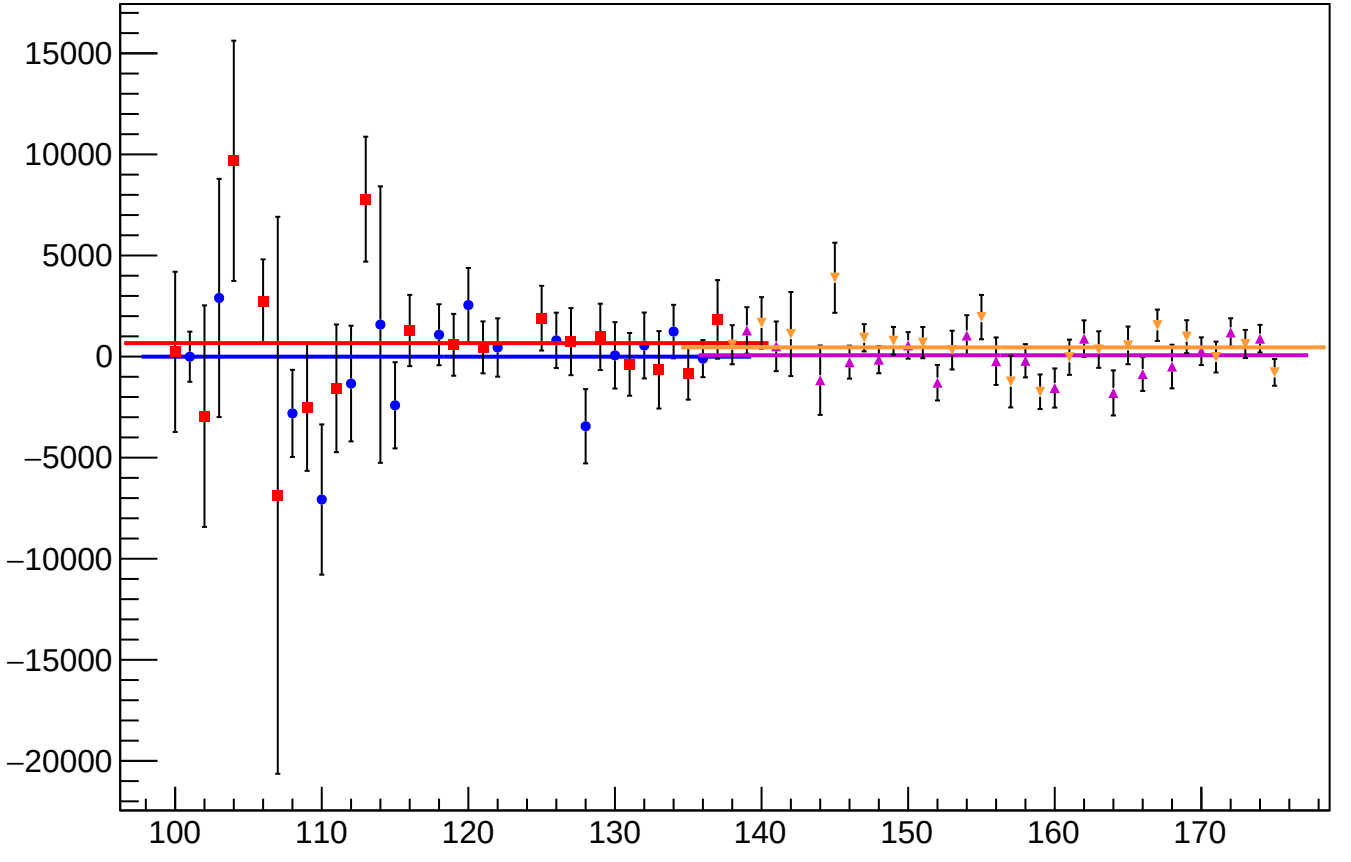
Left In: 2379.113+/-0.436 χ^2/NDF:5188.3/17

+ sign 2431.421+/-0.365 χ^2/NDF: 290981.3/34

All: 2446.666+/-0.261 χ^2/NDF: 853367.4/70

- sign 2462.486+/-0.372 χ^2/NDF: 558837.0/35

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 456.609+/-199.708 χ^2/NDF:22.7/18

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

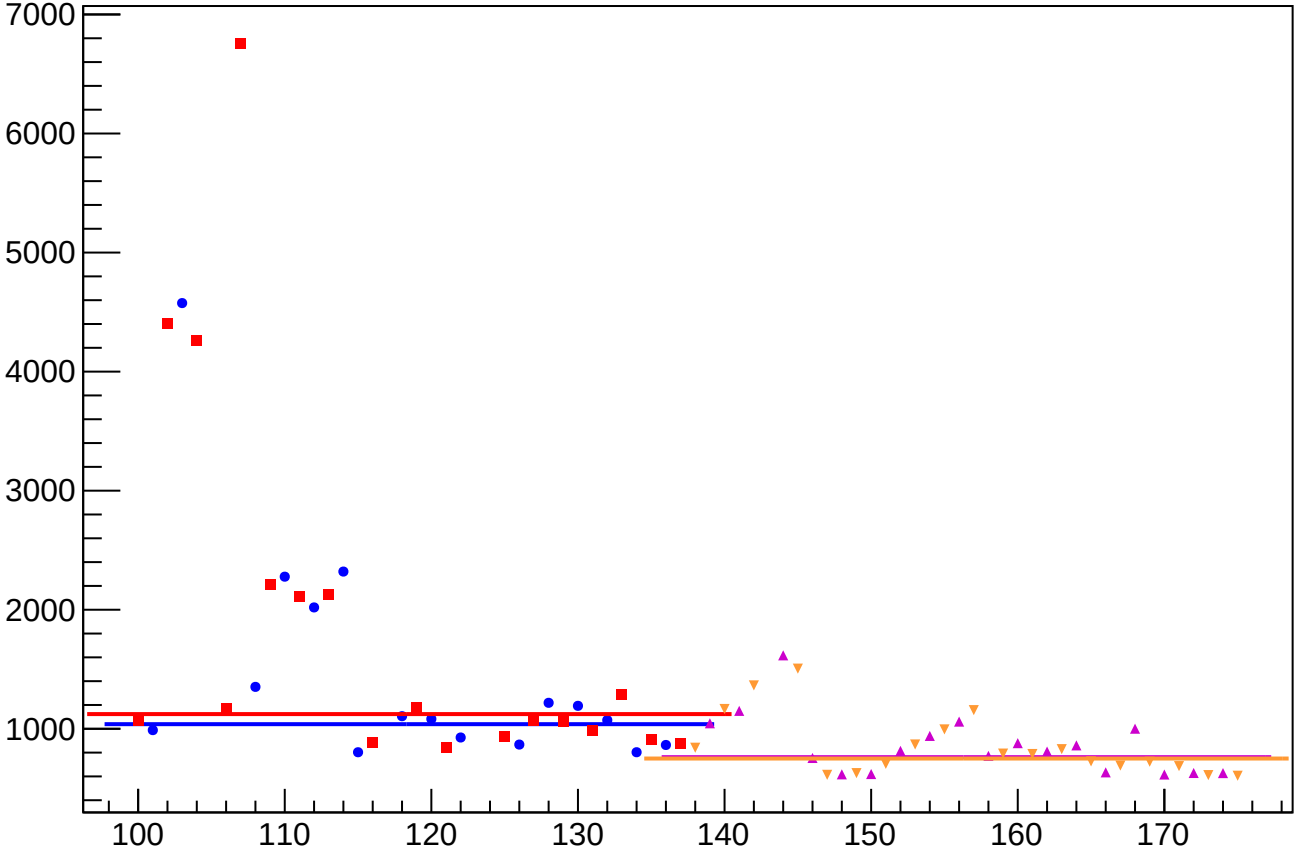
Left In: 66.007+/-204.236 χ^2/NDF:18.2/17

\+ sign 368.837+/-179.729 χ^2/NDF: 38.2/34

All: 270.609+/-129.482 χ^2/NDF: 72.8/70

\- sign 164.615+/-186.699 χ^2/NDF: 34.0/35

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 750.211+/-0.141 χ^2/NDF:1497424.5/18

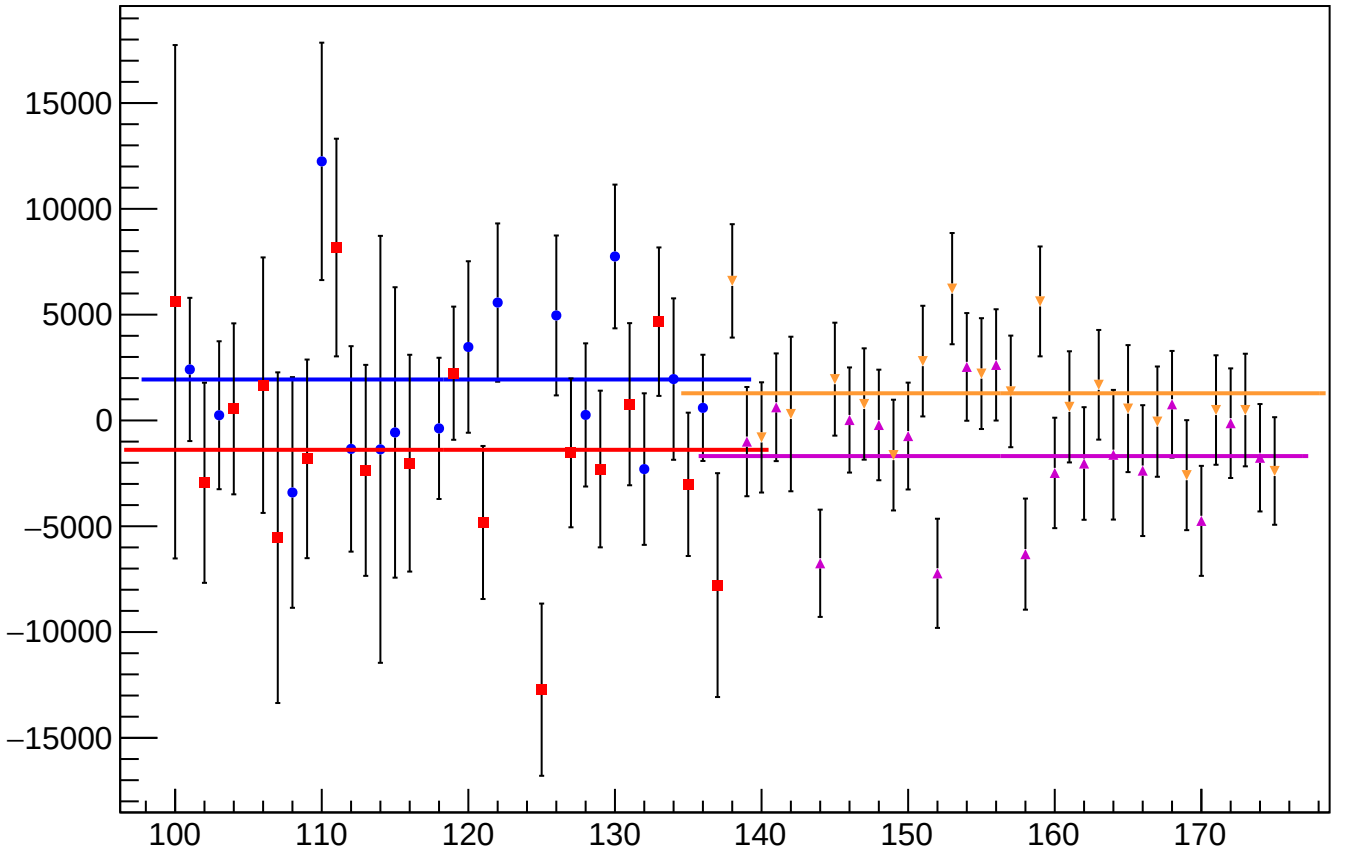
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 761.807+/-0.144 χ^2/NDF:1639077.2/17

+ sign 805.065+/-0.127 χ^2/NDF: 3830983.1/34

All: 812.850+/-0.092 χ^2/NDF: 9044197.9/70

- sign 821.251+/-0.132 χ^2/NDF: 5205412.7/35



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1284.346+/-612.308 χ^2/NDF:17.7/18

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

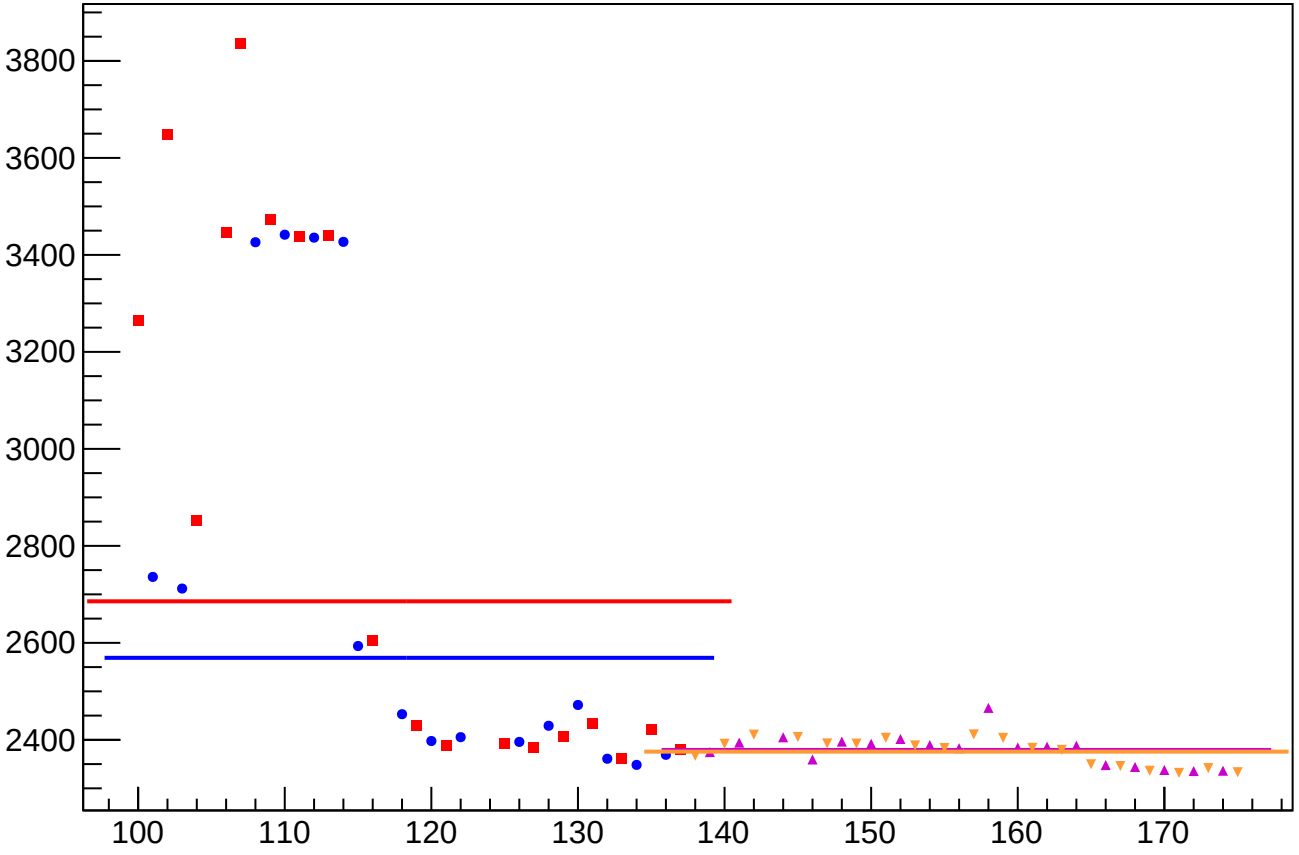
Left In: -1683.727+/-616.755 χ^2/NDF:21.8/17

+ sign 1472.138+/-516.600 χ^2/NDF: 30.4/34

All: -37.072+/-368.655 χ^2/NDF: 89.4/70

- sign -1603.177+/-526.247 χ^2/NDF: 41.6/35

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2375.669+/-0.433 χ^2/NDF:3957.4/18

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

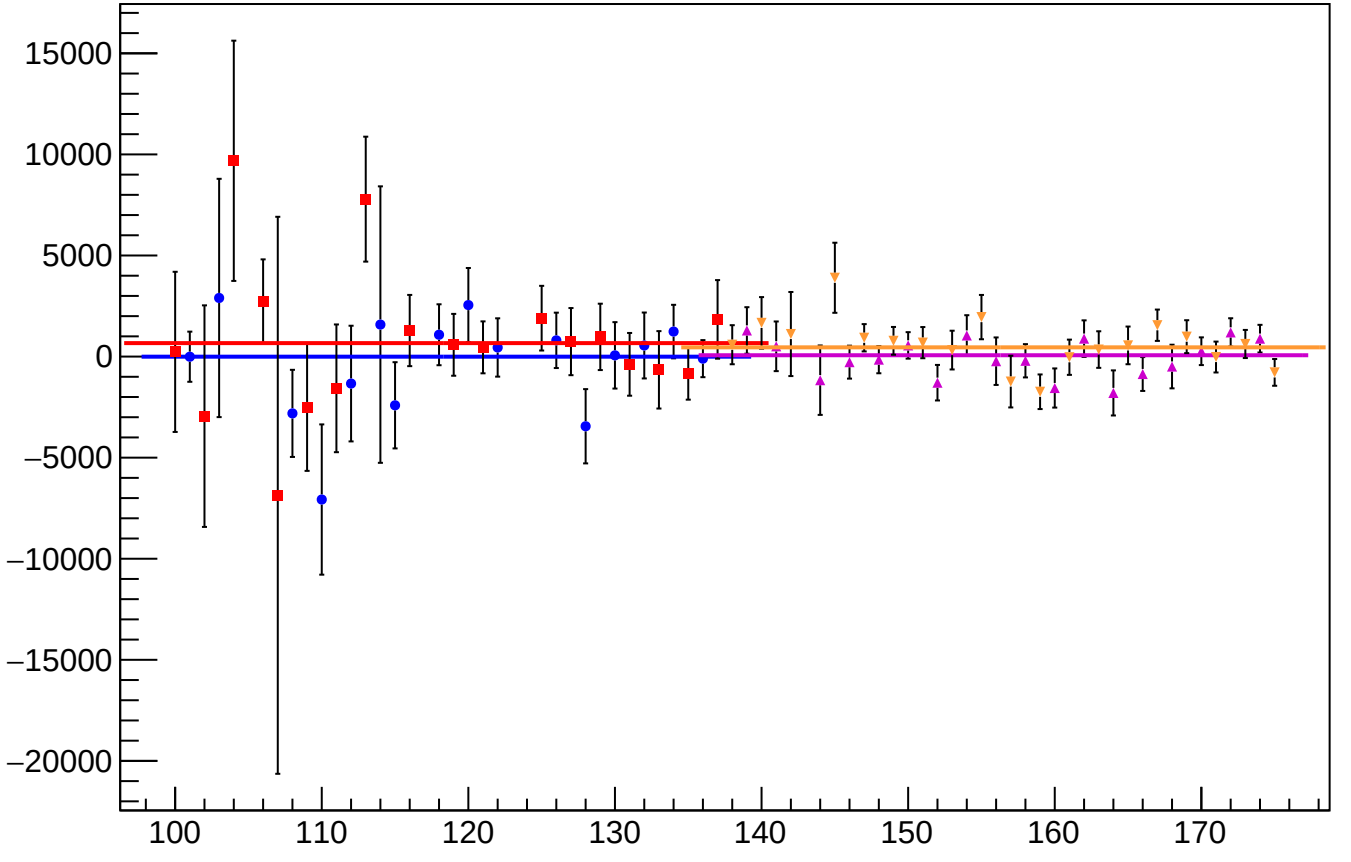
Left In: 2379.113+/-0.436 χ^2/NDF:5188.3/17

+ sign 2431.421+/-0.365 χ^2/NDF: 290980.9/34

All: 2446.666+/-0.261 χ^2/NDF: 853366.0/70

- sign 2462.486+/-0.372 χ^2/NDF: 558836.1/35

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 456.609+/-199.708 χ^2/NDF:22.7/18

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

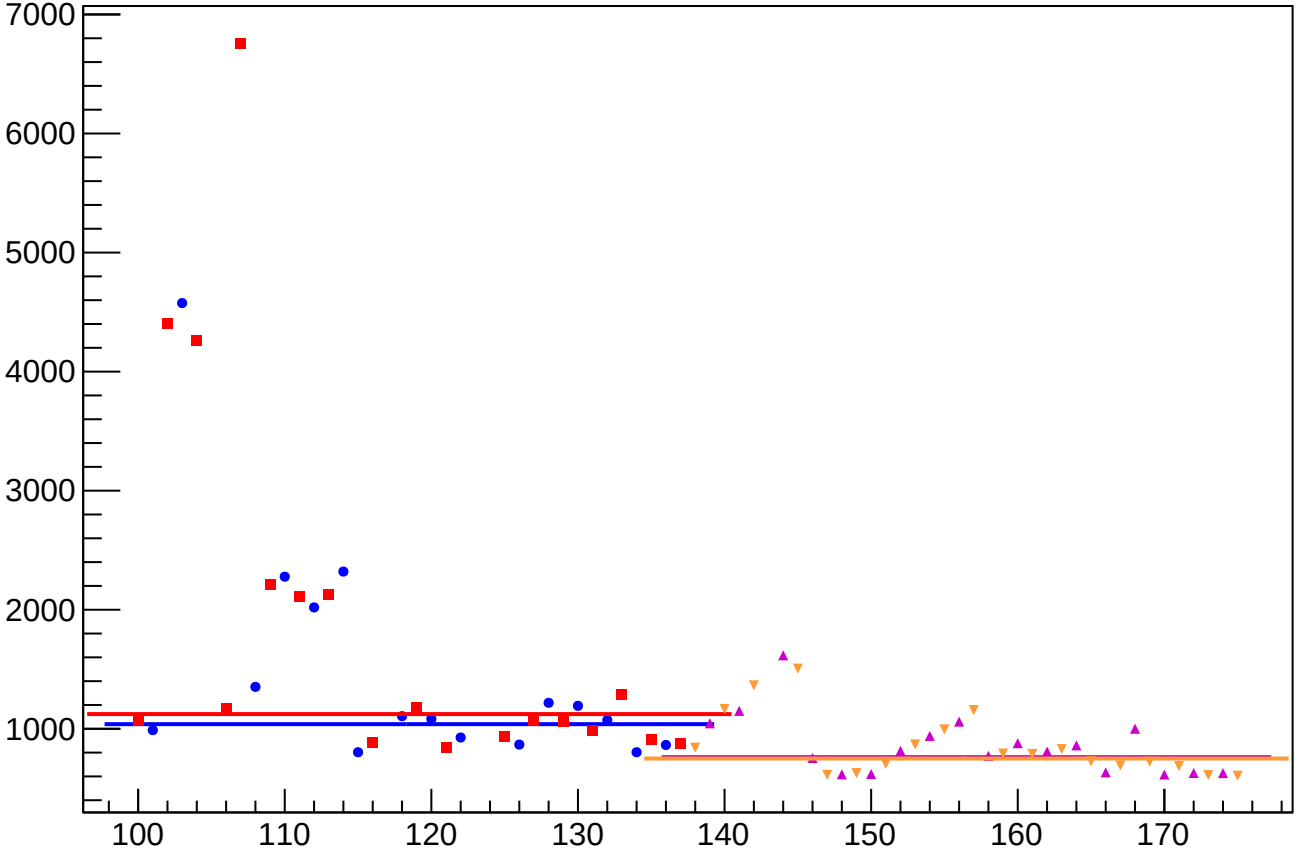
Left In: 66.007+/-204.236 χ^2/NDF:18.2/17

\+ sign 368.837+/-179.729 χ^2/NDF: 38.2/34

All: 270.609+/-129.482 χ^2/NDF: 72.8/70

\- sign 164.615+/-186.699 χ^2/NDF: 34.0/35

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 750.213+/-0.141 χ^2/NDF:1497422.5/18

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

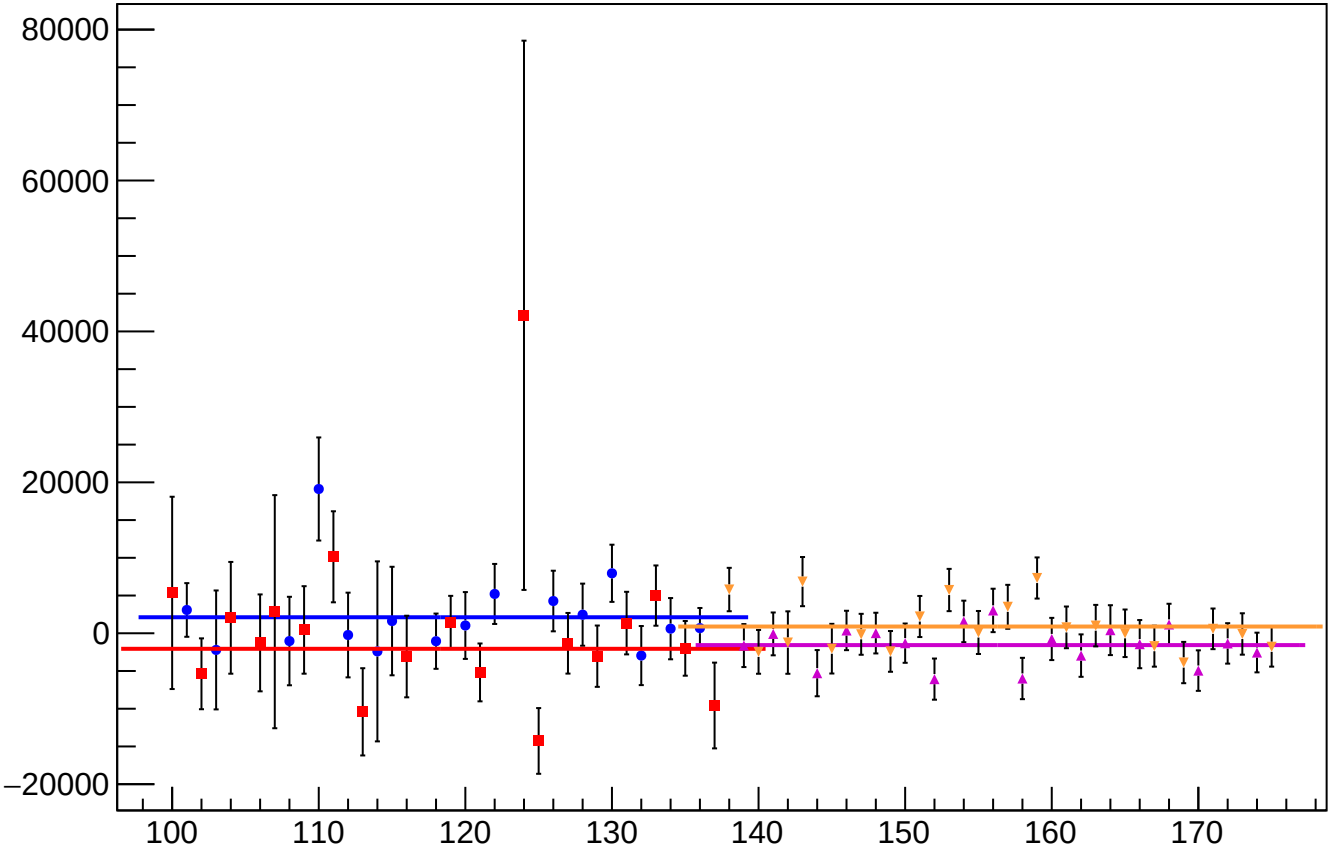
Left In: 761.808+/-0.144 χ^2/NDF:1639074.1/17

+ sign 805.066+/-0.127 χ^2/NDF: 3830969.7/34

All: 812.852+/-0.092 χ^2/NDF: 9044170.6/70

- sign 821.252+/-0.132 χ^2/NDF: 5205398.8/35

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 892.347+/-639.616 χ^2/NDF:25.2/19

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

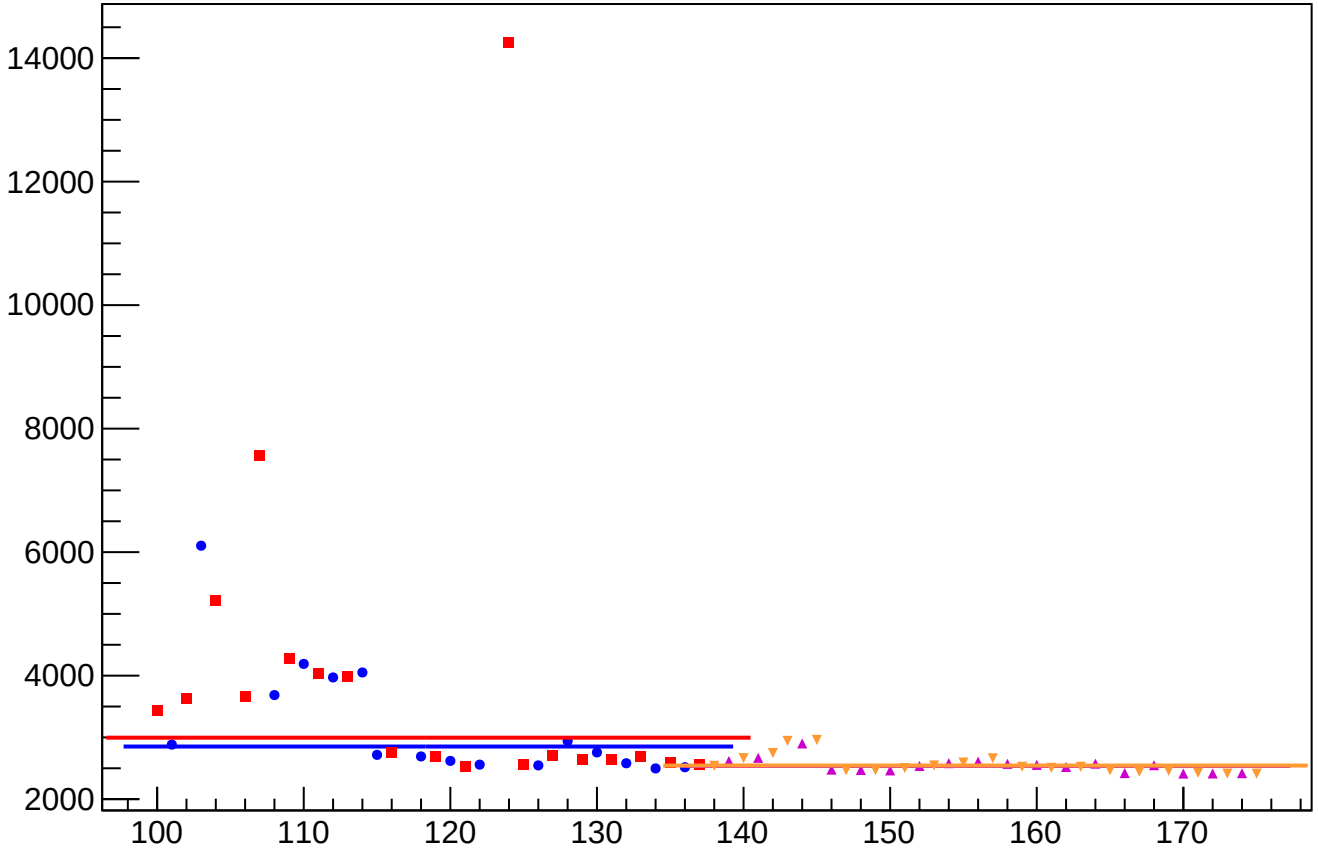
Left In: -1568.224+/-658.457 χ^2/NDF:15.3/17

+ sign 1209.597+/-550.961 χ^2/NDF: 39.5/35

All: -192.349+/-396.074 χ^2/NDF: 92.6/72

- sign -1691.699+/-569.779 χ^2/NDF: 39.7/36

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2544.105+/-0.452 χ^2/NDF:97224.4/19

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

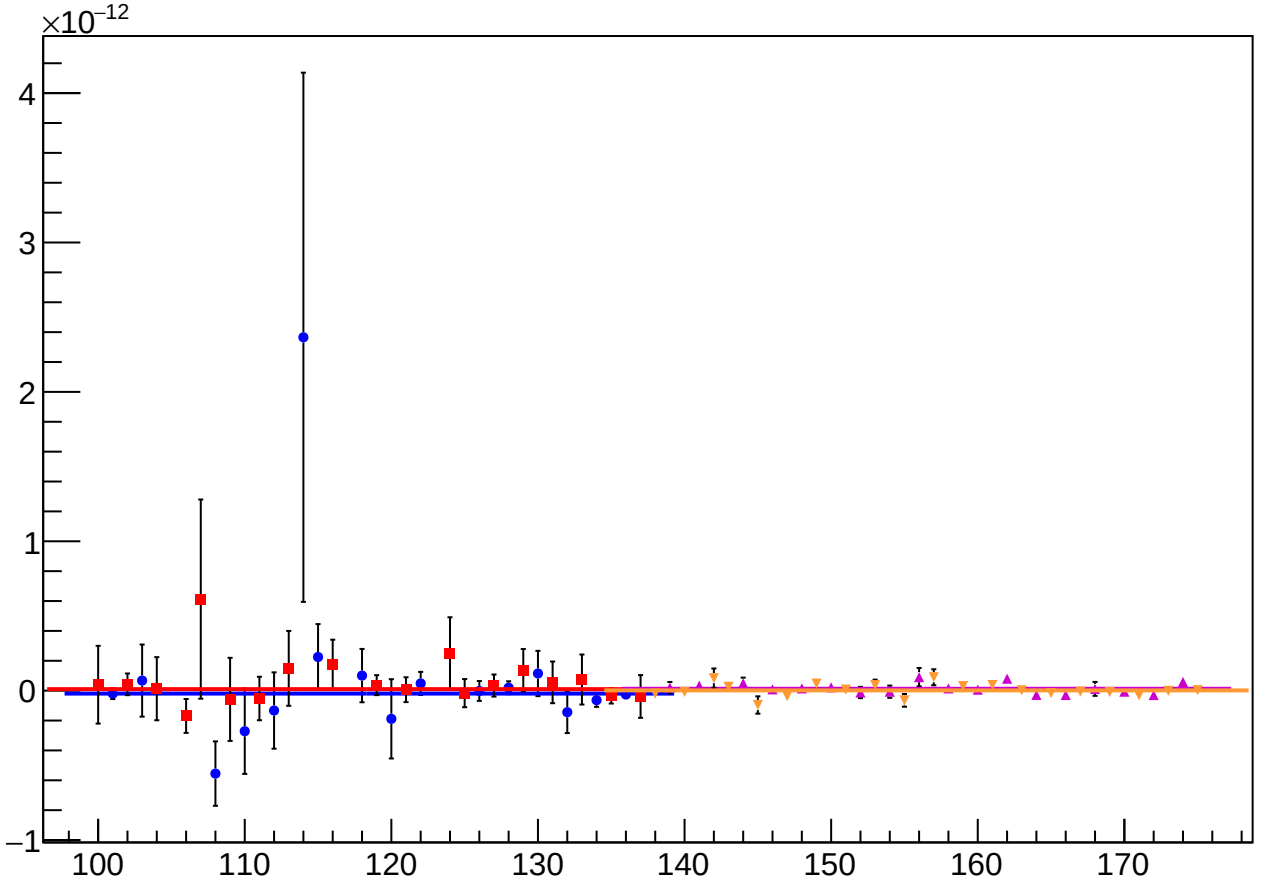
Left In: 2537.319+/-0.466 χ^2/NDF:55231.2/17

+ sign 2623.595+/-0.390 χ^2/NDF: 865668.8/35

All: 2637.527+/-0.280 χ^2/NDF: 2146012.5/72

- sign 2652.426+/-0.403 χ^2/NDF: 1277697.5/36

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

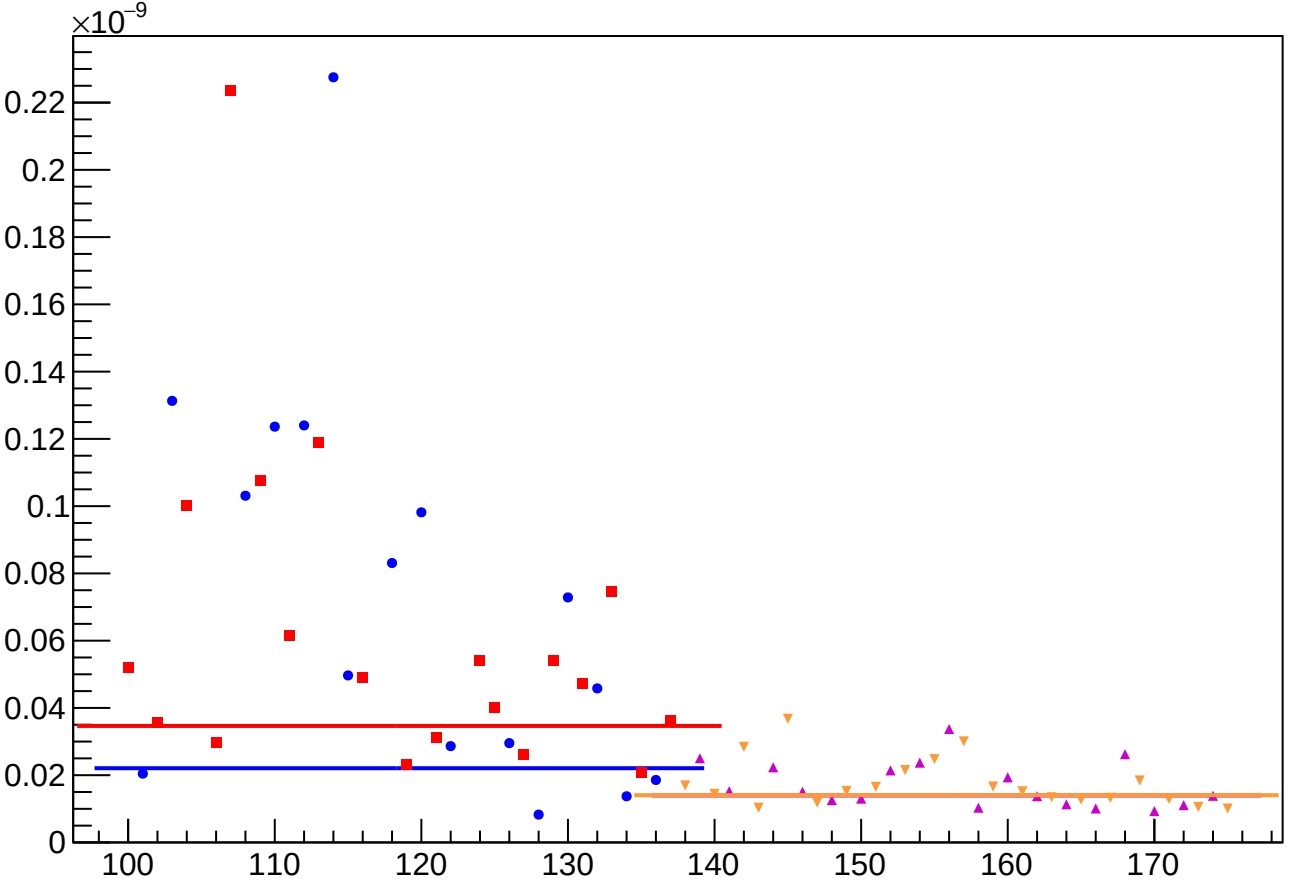
Left In: 0.000+/-0.000 χ^2/NDF:25.9/17

+ sign -0.000+/-0.000 χ^2/NDF: 41.0/35

All: 0.000+/-0.000 χ^2/NDF: 77.6/72

- sign 0.000+/-0.000 χ^2/NDF: 34.2/36

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1199533.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

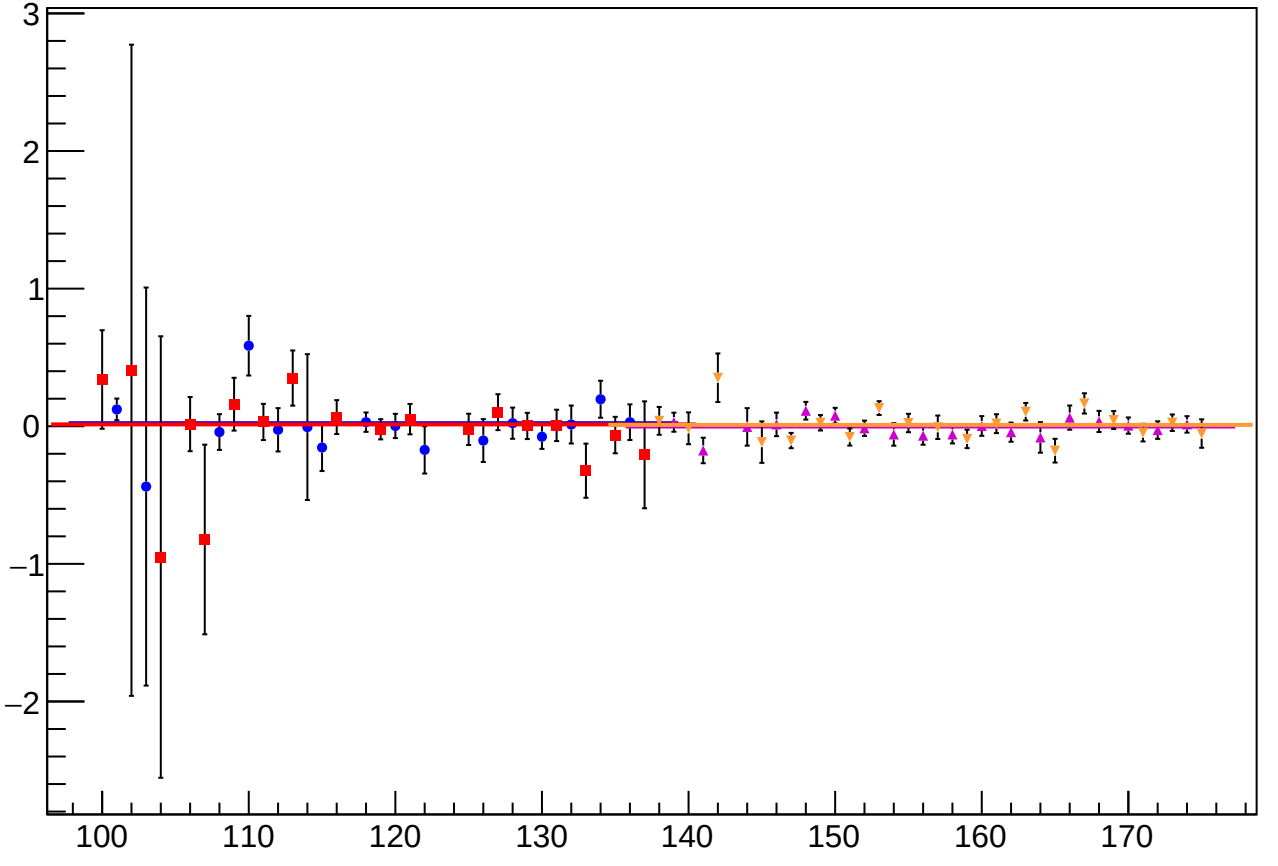
Left In: 0.000+/-0.000 χ^2/NDF:1182328.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 3936618.1/35

All: 0.000+/-0.000 χ^2/NDF: 7709404.9/72

- sign 0.000+/-0.000 χ^2/NDF: 3768190.4/36

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.016 χ^2/NDF:32.2/18

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

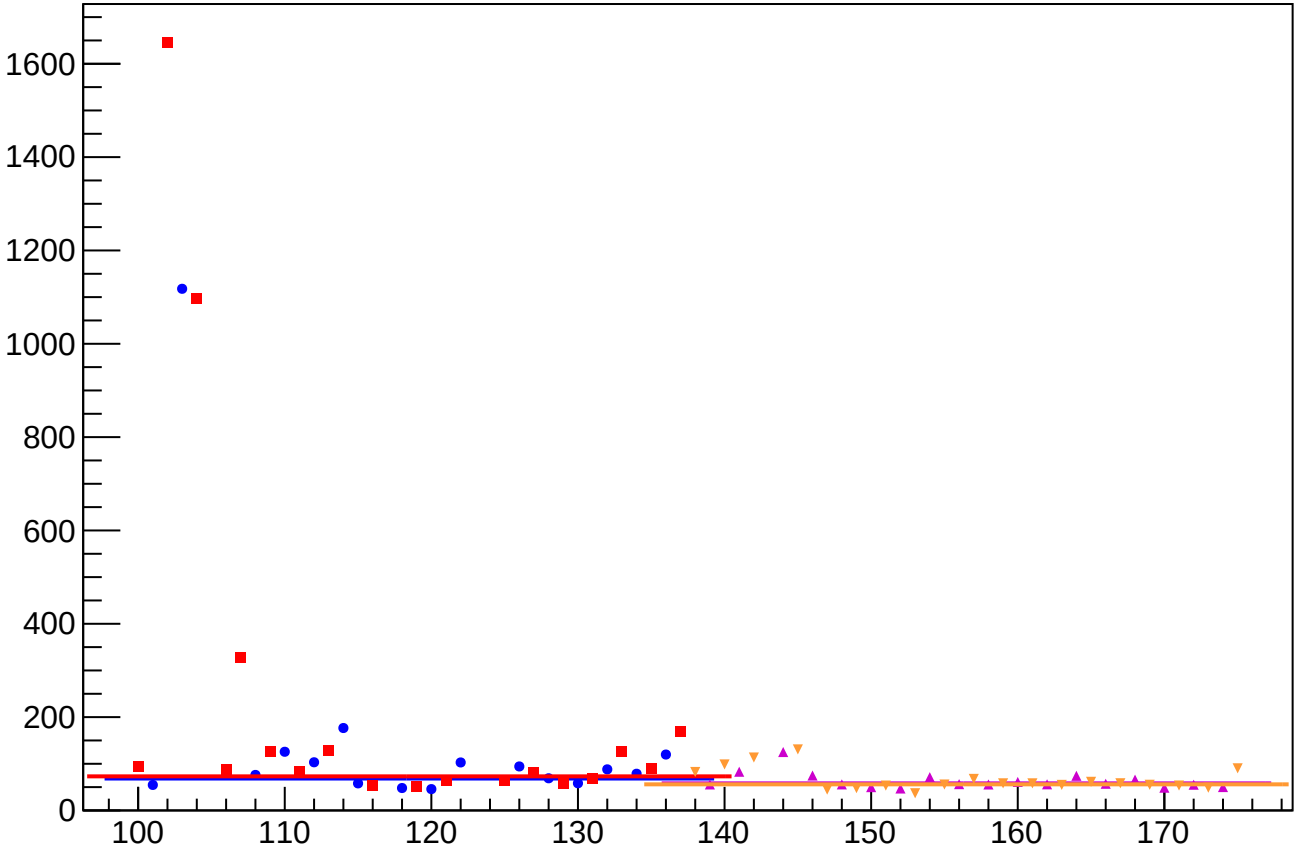
Left In: -0.002+/-0.017 χ^2/NDF:13.1/17

+ sign 0.013+/-0.014 χ^2/NDF: 47.1/34

All: 0.007+/-0.010 χ^2/NDF: 71.5/70

- sign 0.001+/-0.015 χ^2/NDF: 24.1/35

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.971+/-0.012 χ^2/NDF:1837310.9/18

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

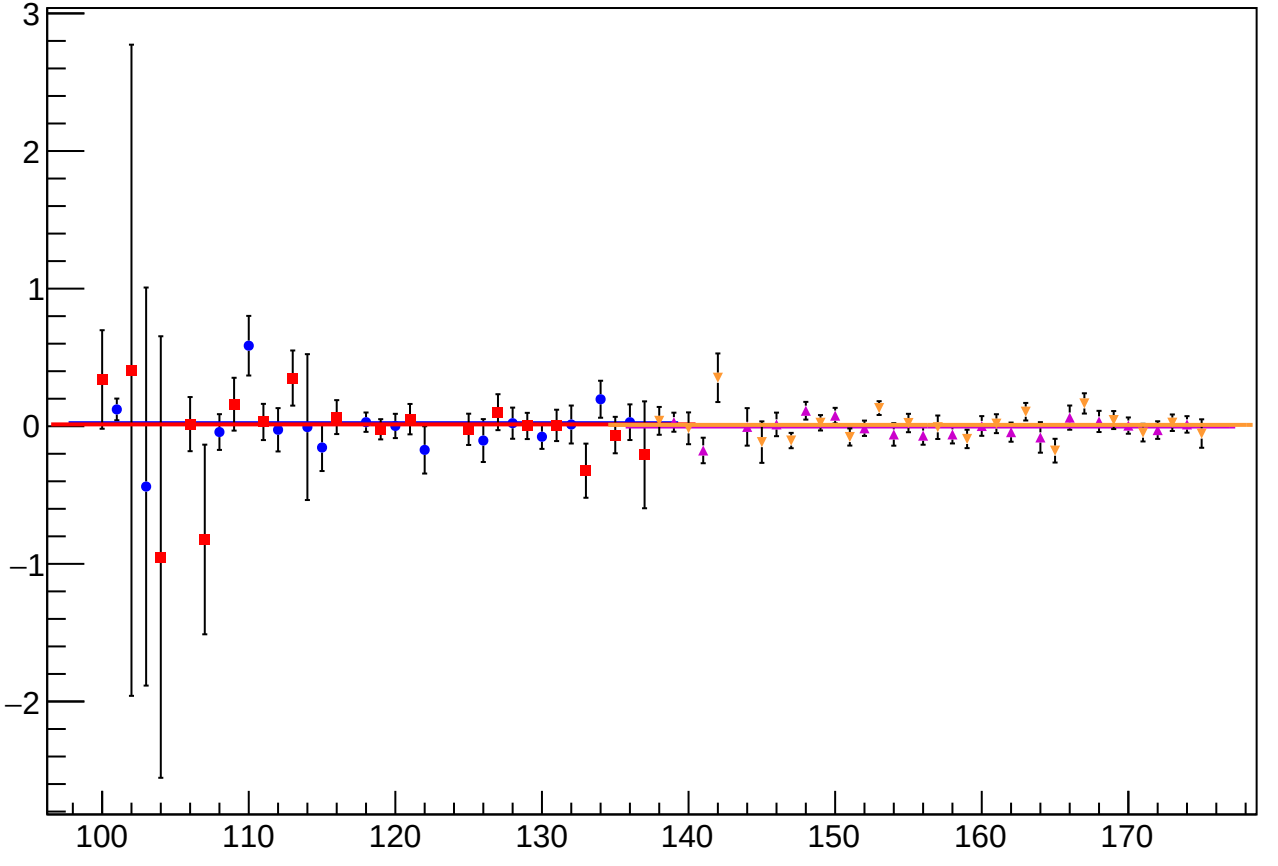
Left In: 58.072+/-0.012 χ^2/NDF:1044474.7/17

+ sign 58.793+/-0.010 χ^2/NDF: 4379516.4/34

All: 59.880+/-0.007 χ^2/NDF: 8682649.3/70

- sign 61.057+/-0.011 χ^2/NDF: 4279247.8/35

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.016 χ^2/NDF:32.2/18

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

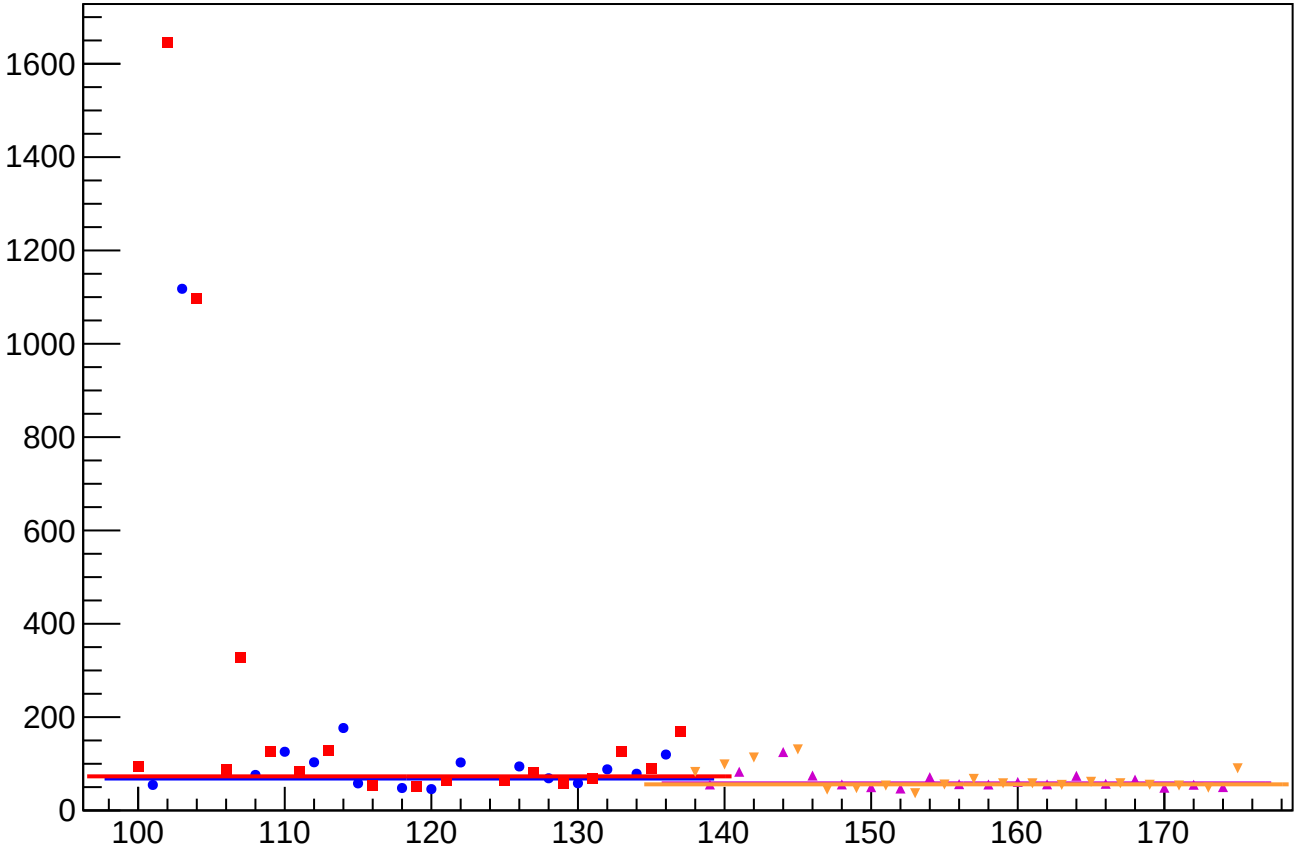
Left In: -0.002+/-0.017 χ^2/NDF:13.1/17

+ sign 0.013+/-0.014 χ^2/NDF: 47.1/34

All: 0.007+/-0.010 χ^2/NDF: 71.5/70

- sign 0.001+/-0.015 χ^2/NDF: 24.1/35

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.971+/-0.012 χ^2/NDF:1837310.9/18

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

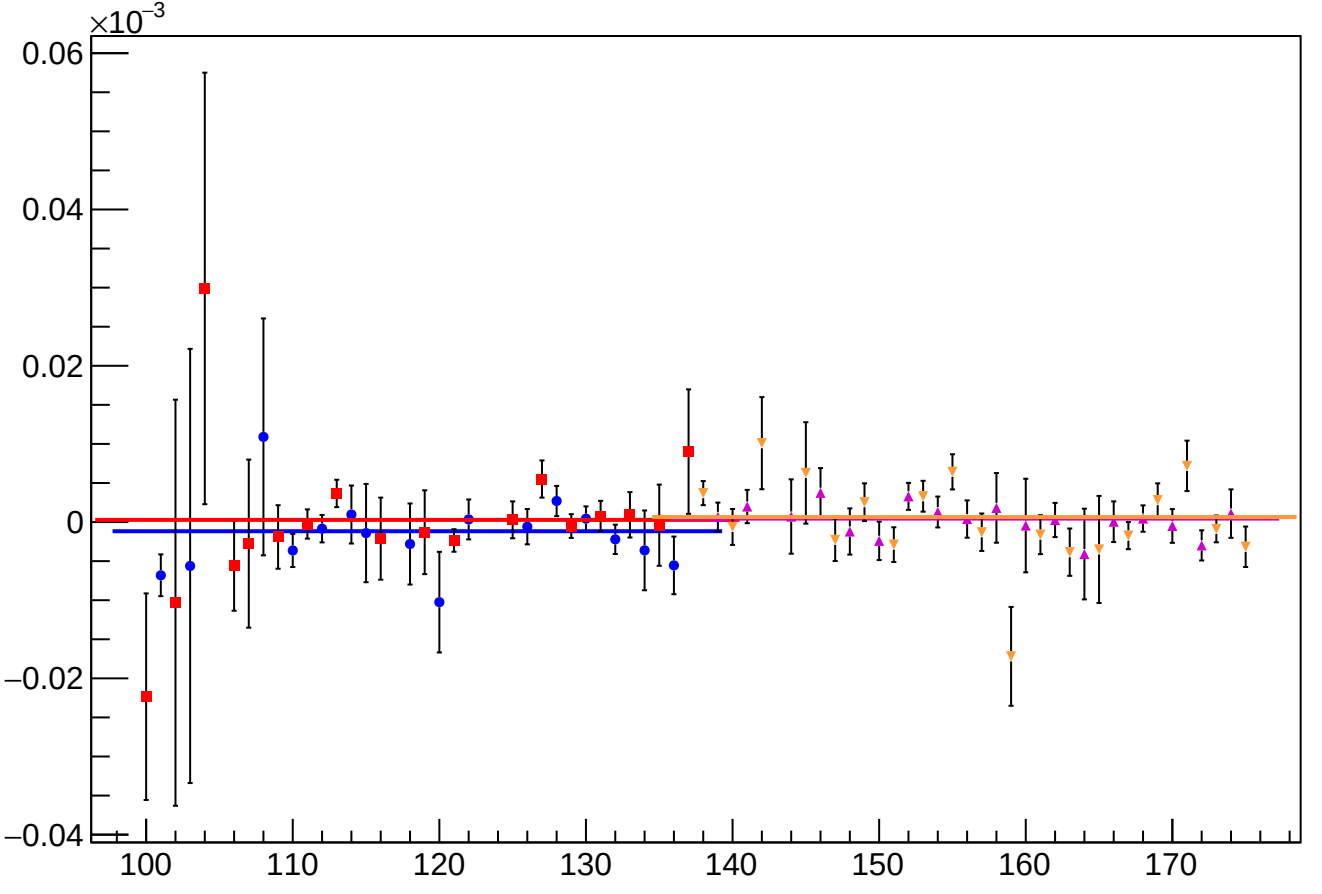
Left In: 58.072+/-0.012 χ^2/NDF:1044474.7/17

+ sign 58.793+/-0.010 χ^2/NDF: 4379516.4/34

All: 59.880+/-0.007 χ^2/NDF: 8682649.3/70

- sign 61.057+/-0.011 χ^2/NDF: 4279247.8/35

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

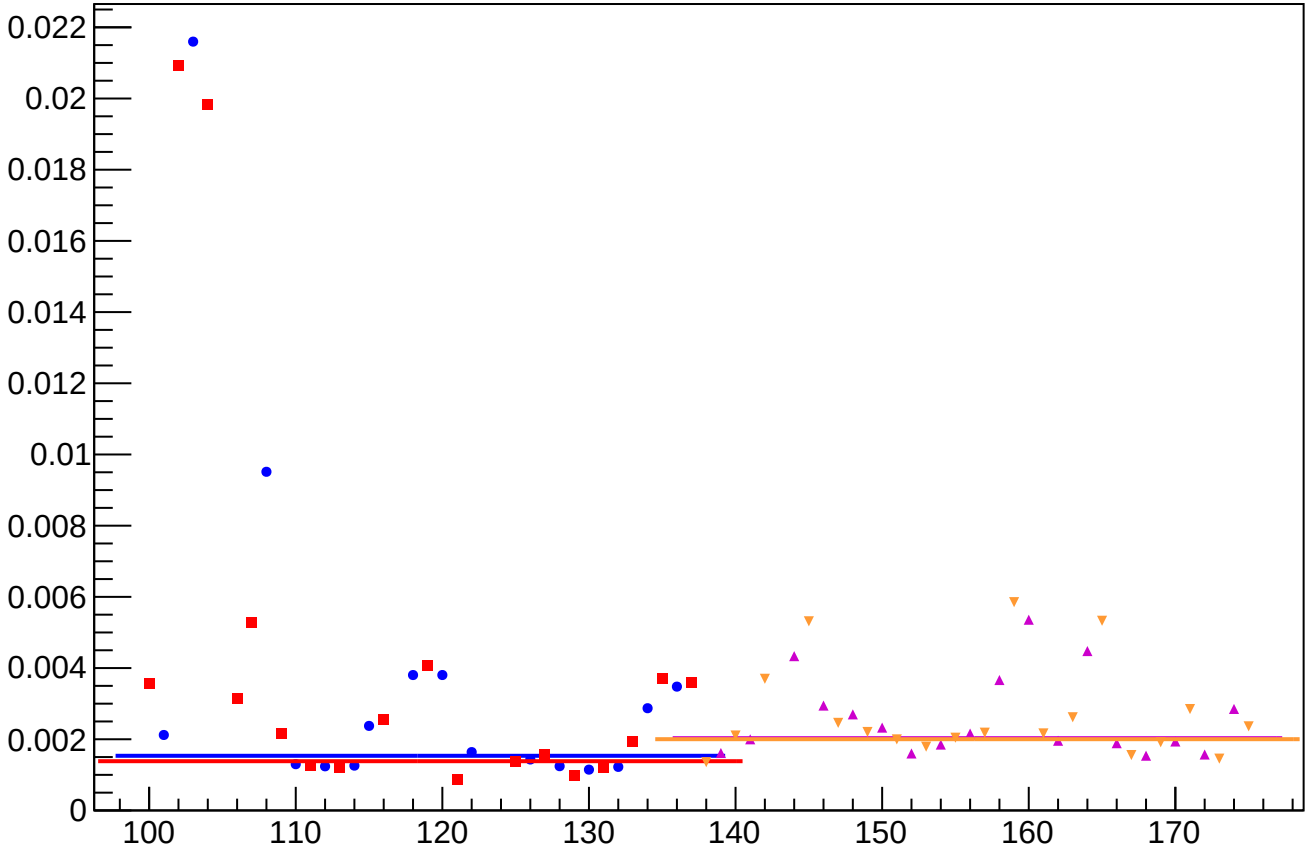
Left In: 0.000+/-0.000 χ^2/NDF:10.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 62.9/34

All: 0.000+/-0.000 χ^2/NDF: 93.5/70

- sign 0.000+/-0.000 χ^2/NDF: 29.9/35

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2966452.1/18

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

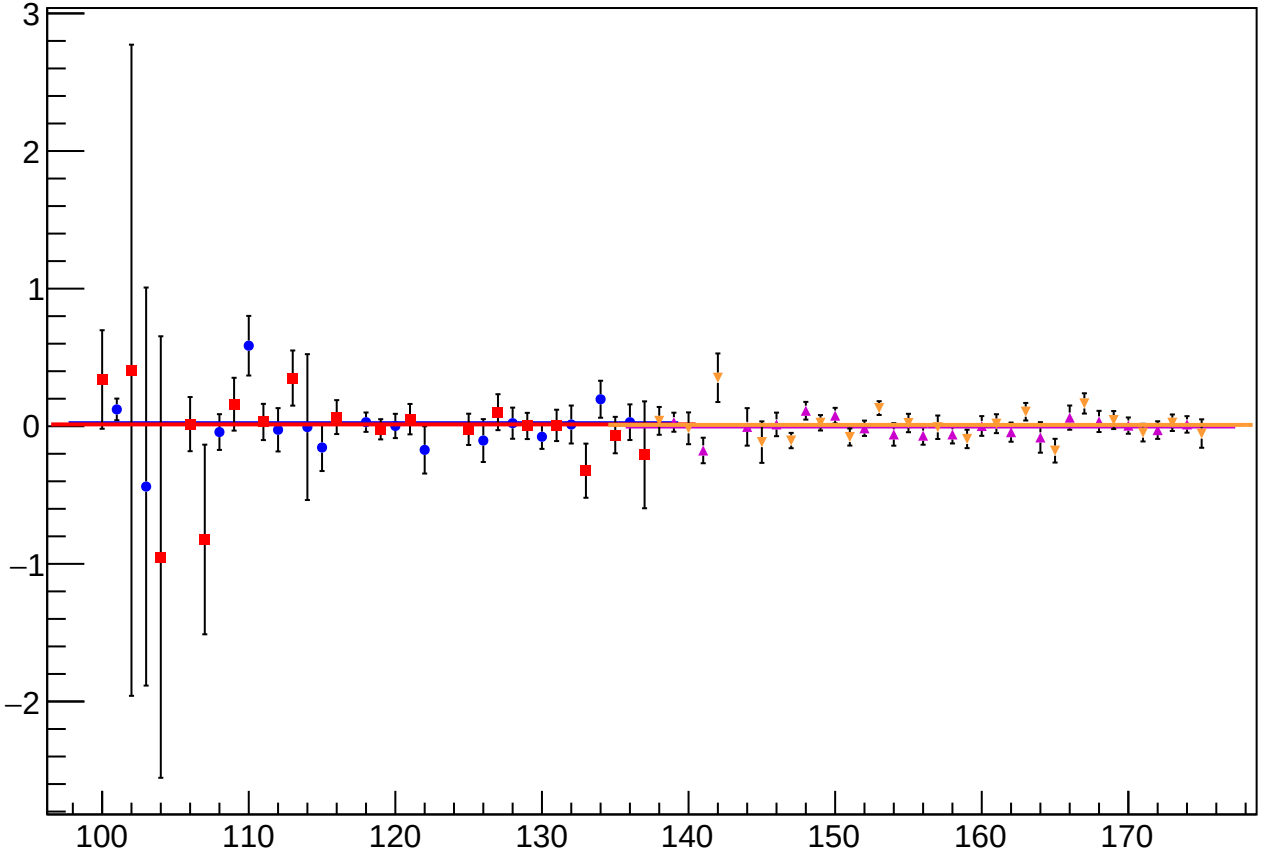
Left In: 0.002+/-0.000 χ^2/NDF:2695484.8/17

+ sign 0.002+/-0.000 χ^2/NDF: 6921566.3/34

All: 0.002+/-0.000 χ^2/NDF: 15072909.0/70

- sign 0.002+/-0.000 χ^2/NDF: 8125991.5/35

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.016 χ^2/NDF:32.2/18

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

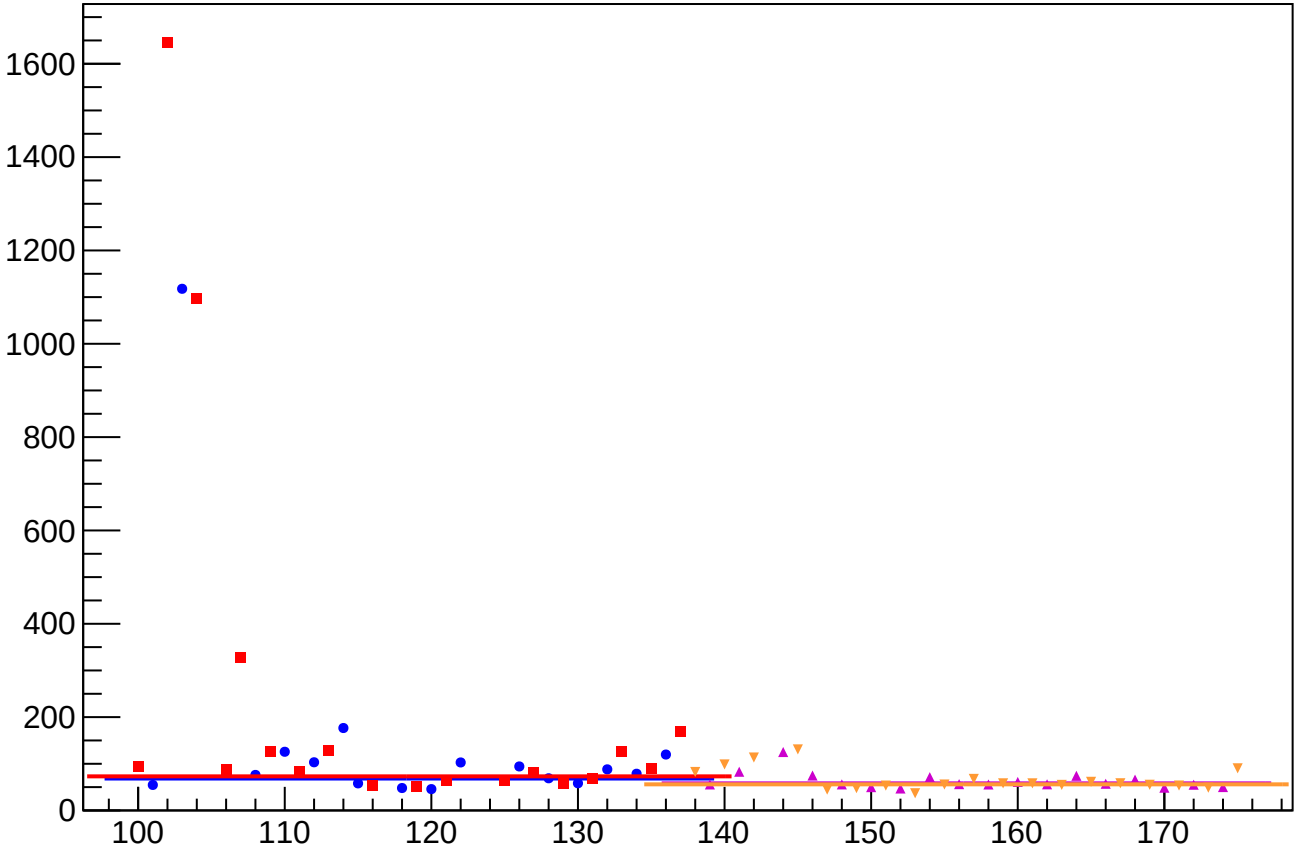
Left In: -0.002+/-0.017 χ^2/NDF:13.1/17

+ sign 0.013+/-0.014 χ^2/NDF: 47.1/34

All: 0.007+/-0.010 χ^2/NDF: 71.5/70

- sign 0.001+/-0.015 χ^2/NDF: 24.1/35

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.971+/-0.012 χ^2/NDF:1837378.1/18

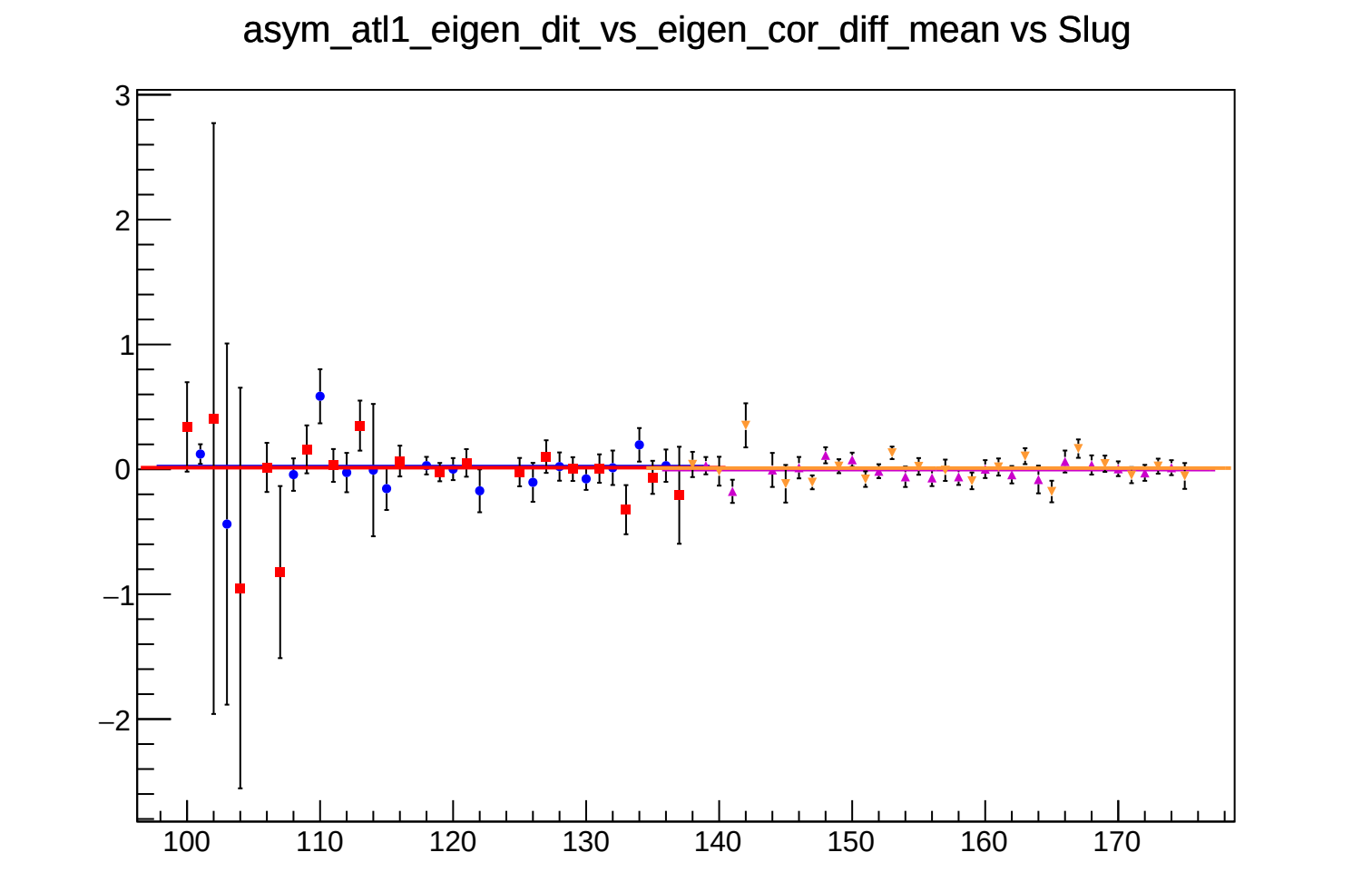
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 58.072+/-0.012 χ^2/NDF:1044450.7/17

+ sign 58.793+/-0.010 χ^2/NDF: 4379631.9/34

All: 59.880+/-0.007 χ^2/NDF: 8682731.9/70

- sign 61.057+/-0.011 χ^2/NDF: 4279208.9/35



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.016 χ^2/NDF:32.2/18

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

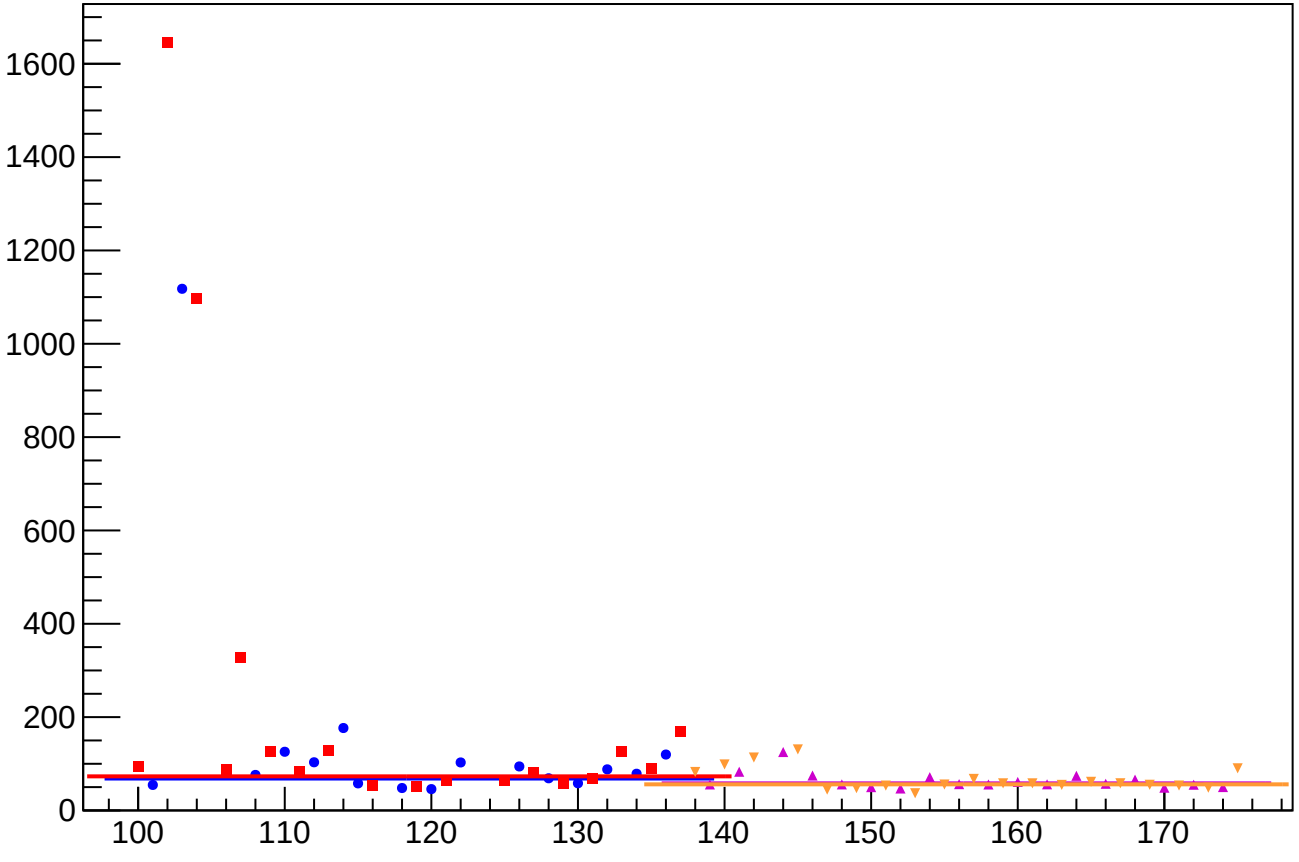
Left In: -0.002+/-0.017 χ^2/NDF:13.1/17

+ sign 0.013+/-0.014 χ^2/NDF: 47.1/34

All: 0.007+/-0.010 χ^2/NDF: 71.5/70

- sign 0.001+/-0.015 χ^2/NDF: 24.1/35

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.971+/-0.012 χ^2/NDF:1837378.1/18

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

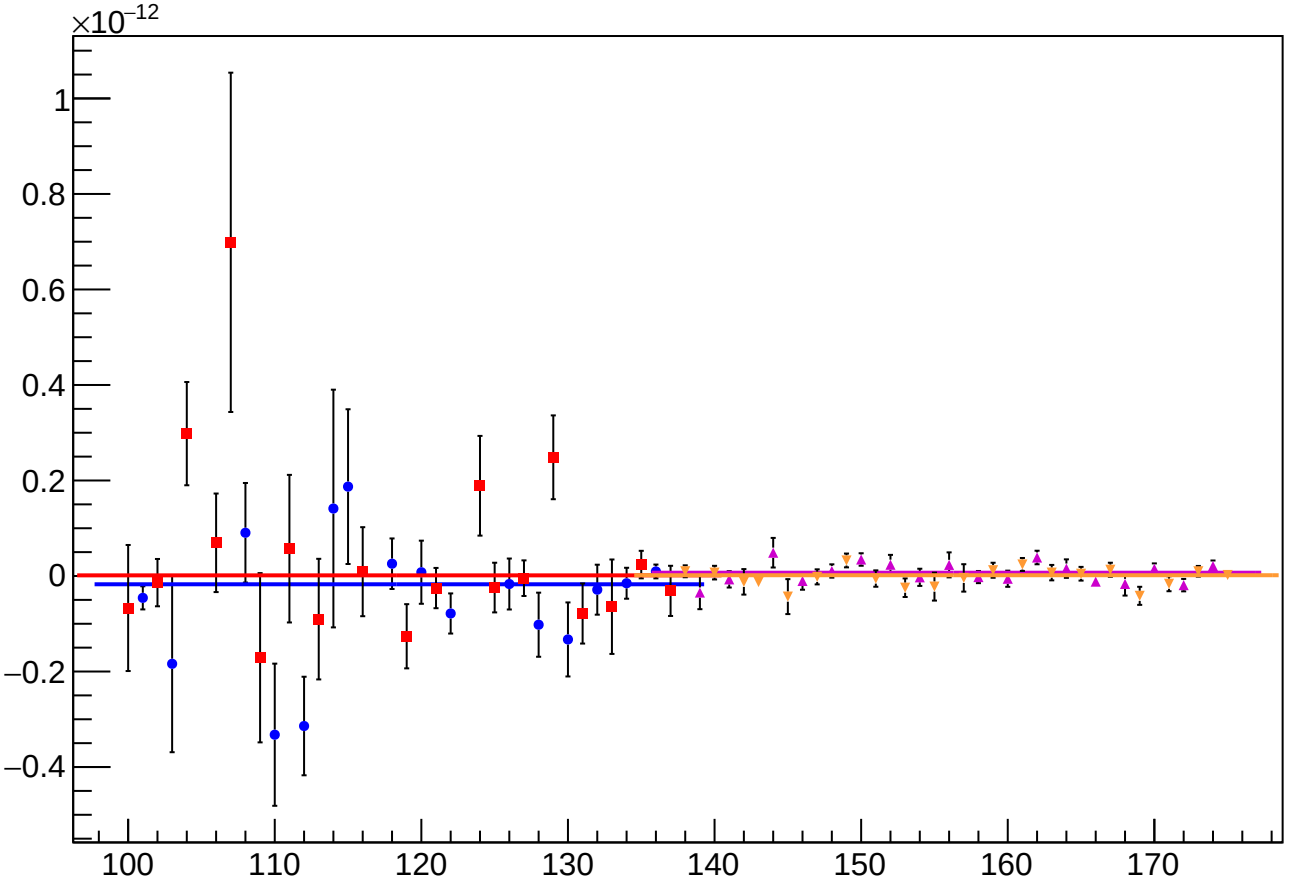
Left In: 58.072+/-0.012 χ^2/NDF:1044450.7/17

+ sign 58.793+/-0.010 χ^2/NDF: 4379631.9/34

All: 59.880+/-0.007 χ^2/NDF: 8682731.9/70

- sign 61.057+/-0.011 χ^2/NDF: 4279208.9/35

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/19

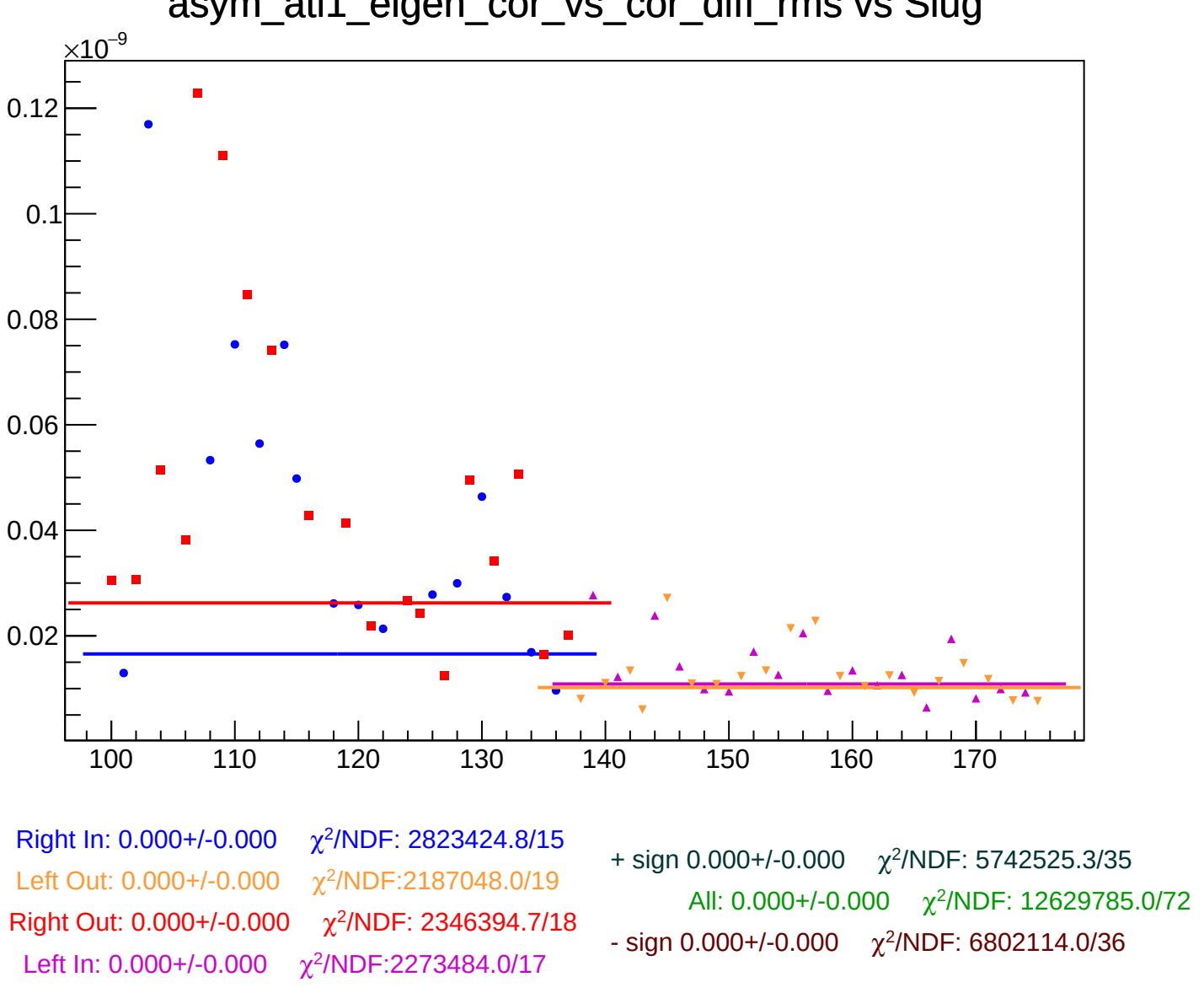
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

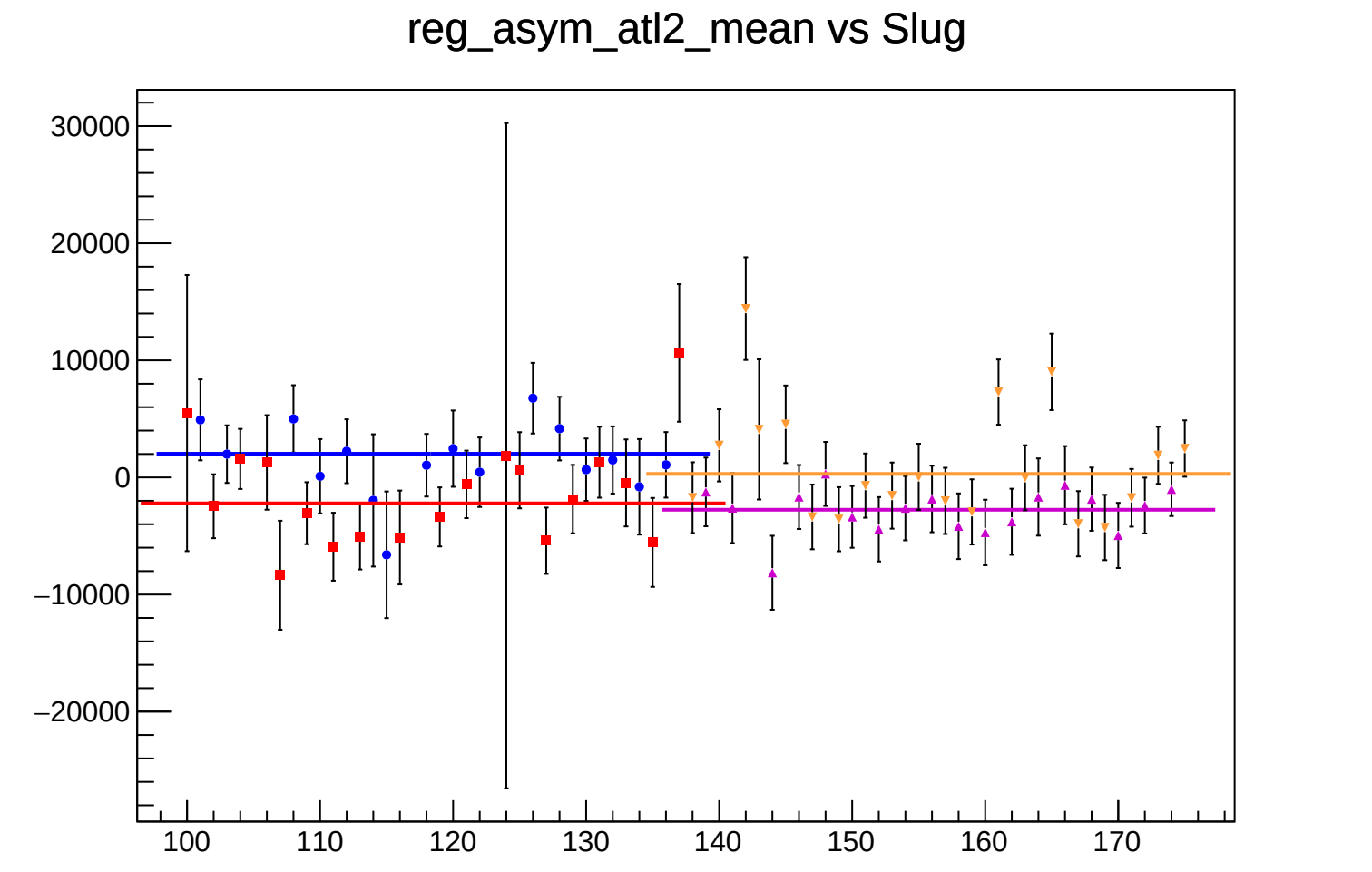
Left In: 0.000+/-0.000 χ^2/NDF:27.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 54.5/35

All: 0.000+/-0.000 χ^2/NDF: 116.2/72

- sign 0.000+/-0.000 χ^2/NDF: 59.6/36


asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2823424.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2187048.0/19
Right Out: 0.000+/-0.000 χ²/NDF: 2346394.7/18
Left In: 0.000+/-0.000 χ²/NDF:2273484.0/17
+ sign 0.000+/-0.000 χ²/NDF: 5742525.3/35
All: 0.000+/-0.000 χ²/NDF: 12629785.0/72
- sign 0.000+/-0.000 χ²/NDF: 6802114.0/36



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 299.766+/-645.075 χ^2/NDF:40.2/19

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

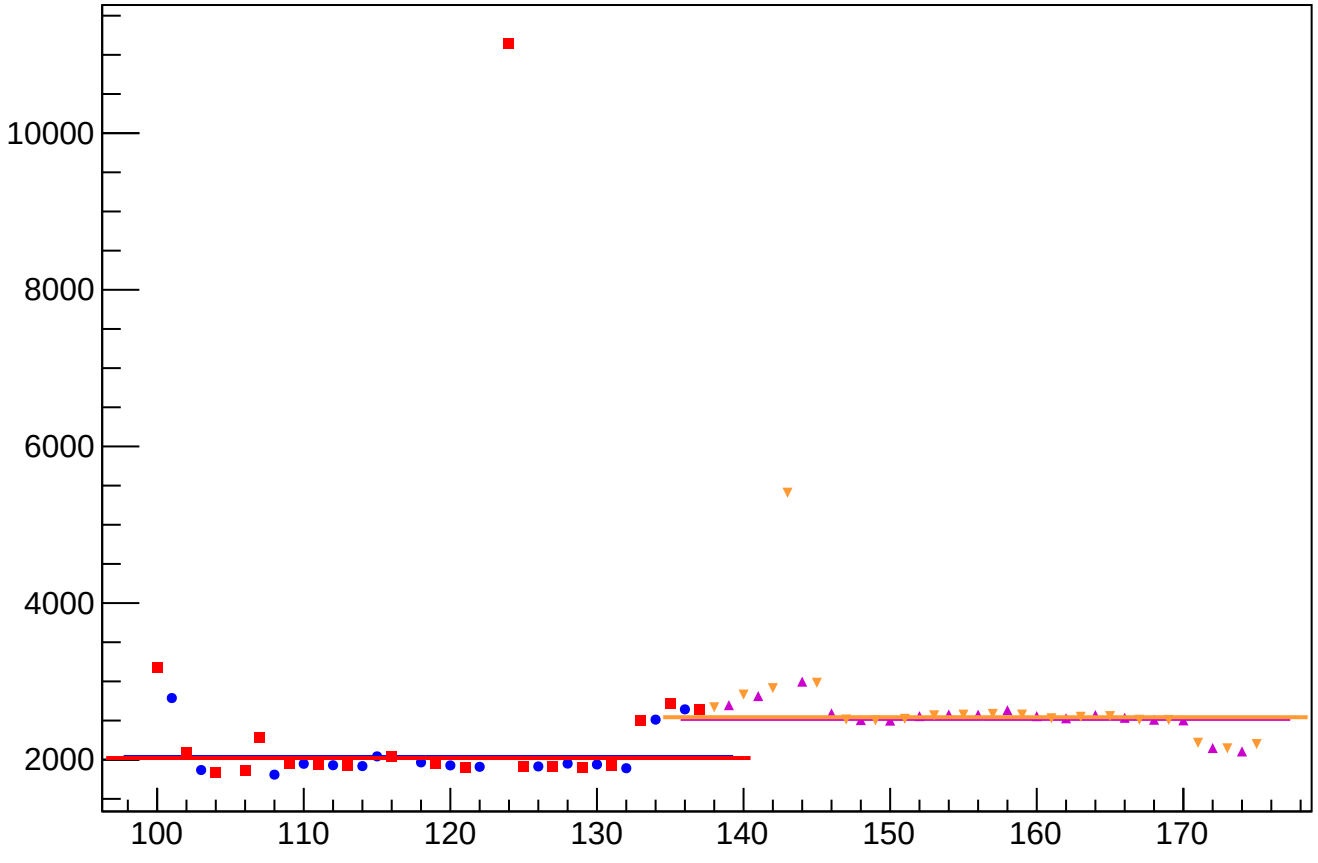
Left In: -2760.938+/-655.856 χ^2/NDF:7.8/17

+ sign 1016.452+/-492.978 χ^2/NDF: 52.8/35

All: -746.671+/-349.459 χ^2/NDF: 104.7/72

- sign -2527.519+/-495.450 χ^2/NDF: 26.3/36

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2542.432+/-0.456 χ^2/NDF:660468.4/19

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

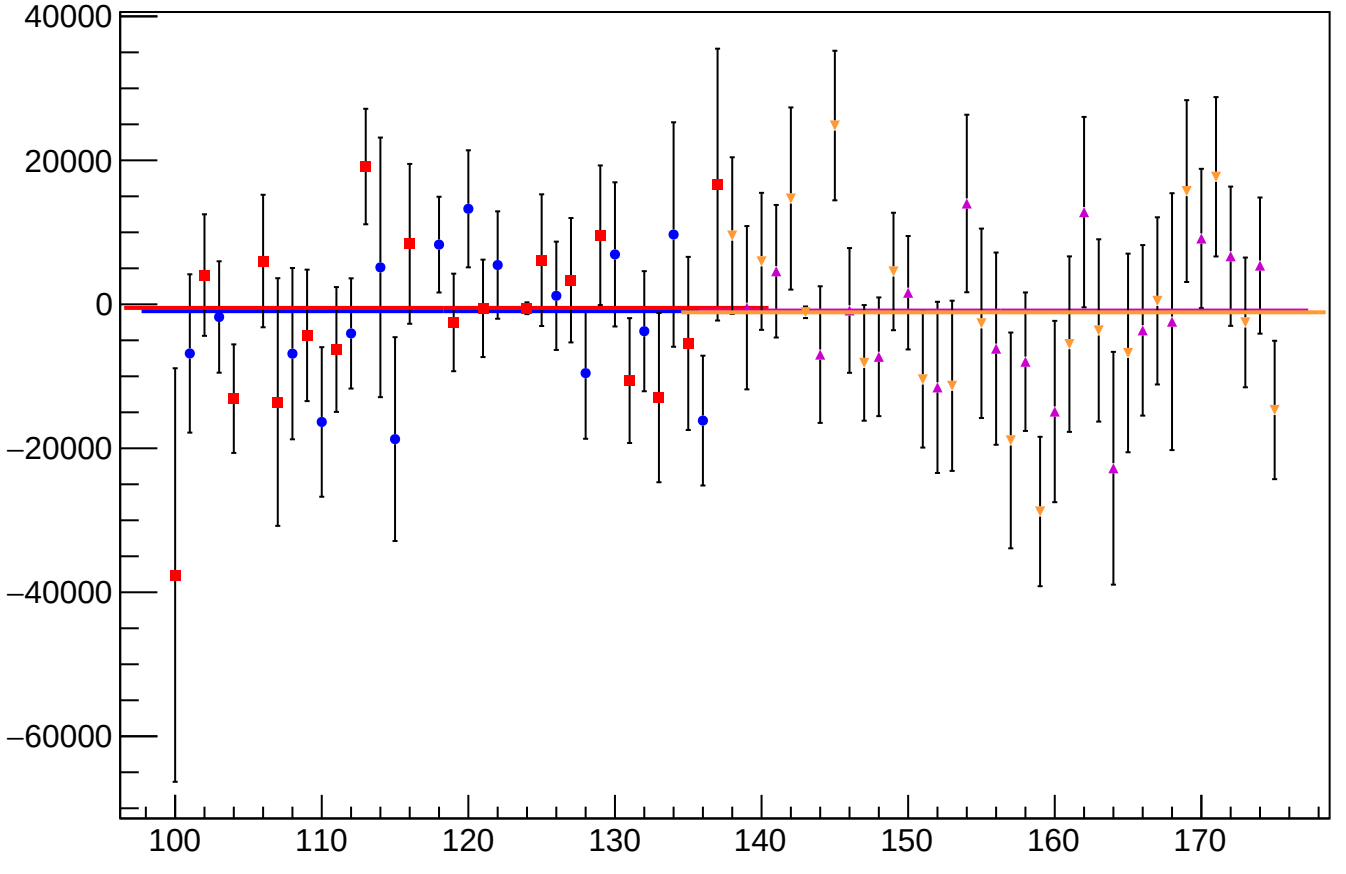
Left In: 2521.589+/-0.464 χ^2/NDF:193614.9/17

+ sign 2331.006+/-0.349 χ^2/NDF: 1439925.7/35

All: 2319.014+/-0.247 χ^2/NDF: 2525383.0/72

- sign 2306.903+/-0.350 χ^2/NDF: 1083078.7/36

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1107.788+/-766.625 χ^2/NDF:27.9/19

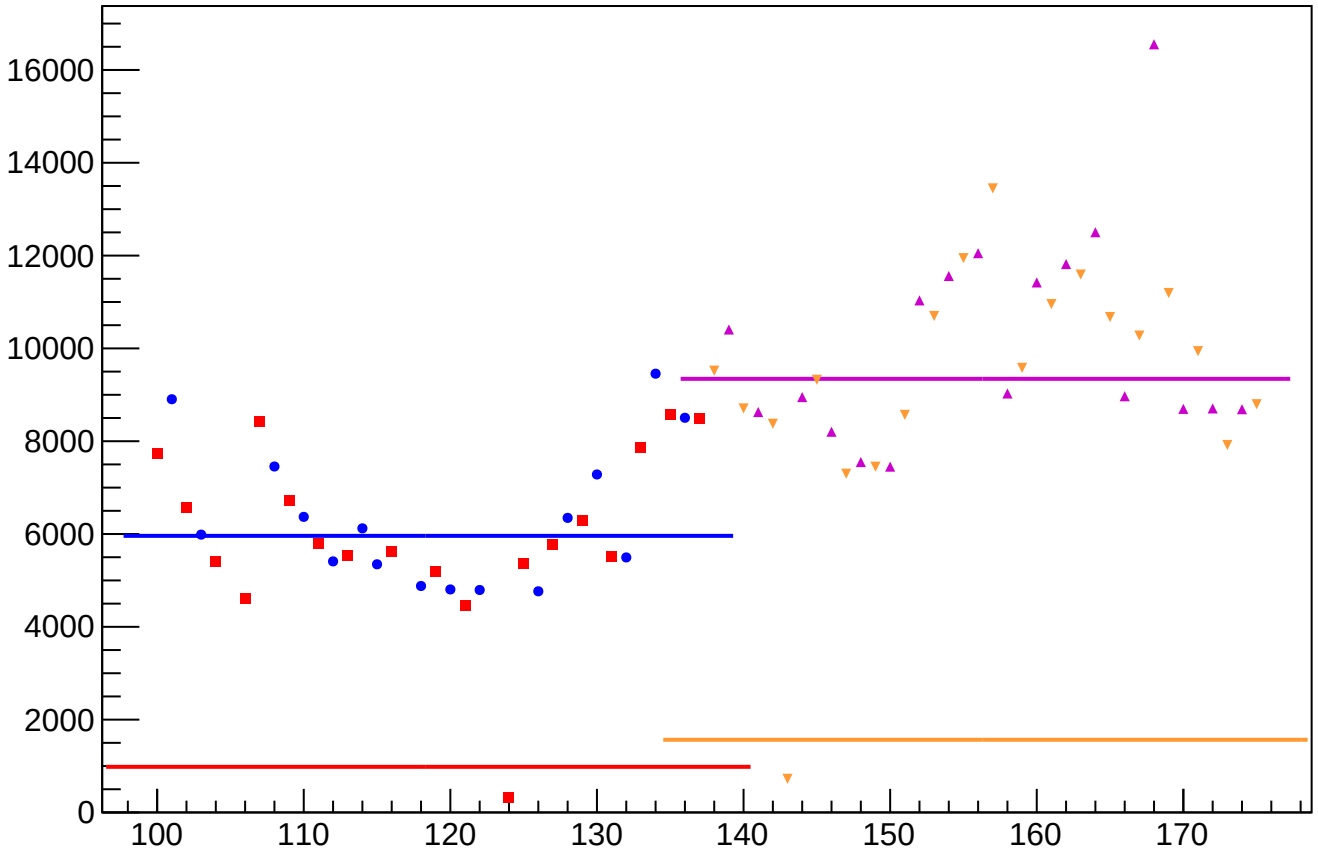
Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: -866.826+/-2472.618 χ^2/NDF:10.8/17

+ sign -1091.795+/-726.601 χ^2/NDF: 43.2/35

All: -813.562+/-516.271 χ^2/NDF: 72.7/72

- sign -529.877+/-733.685 χ^2/NDF: 29.2/36



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1566.632+/-0.542 χ^2/NDF:22976008.6/19

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

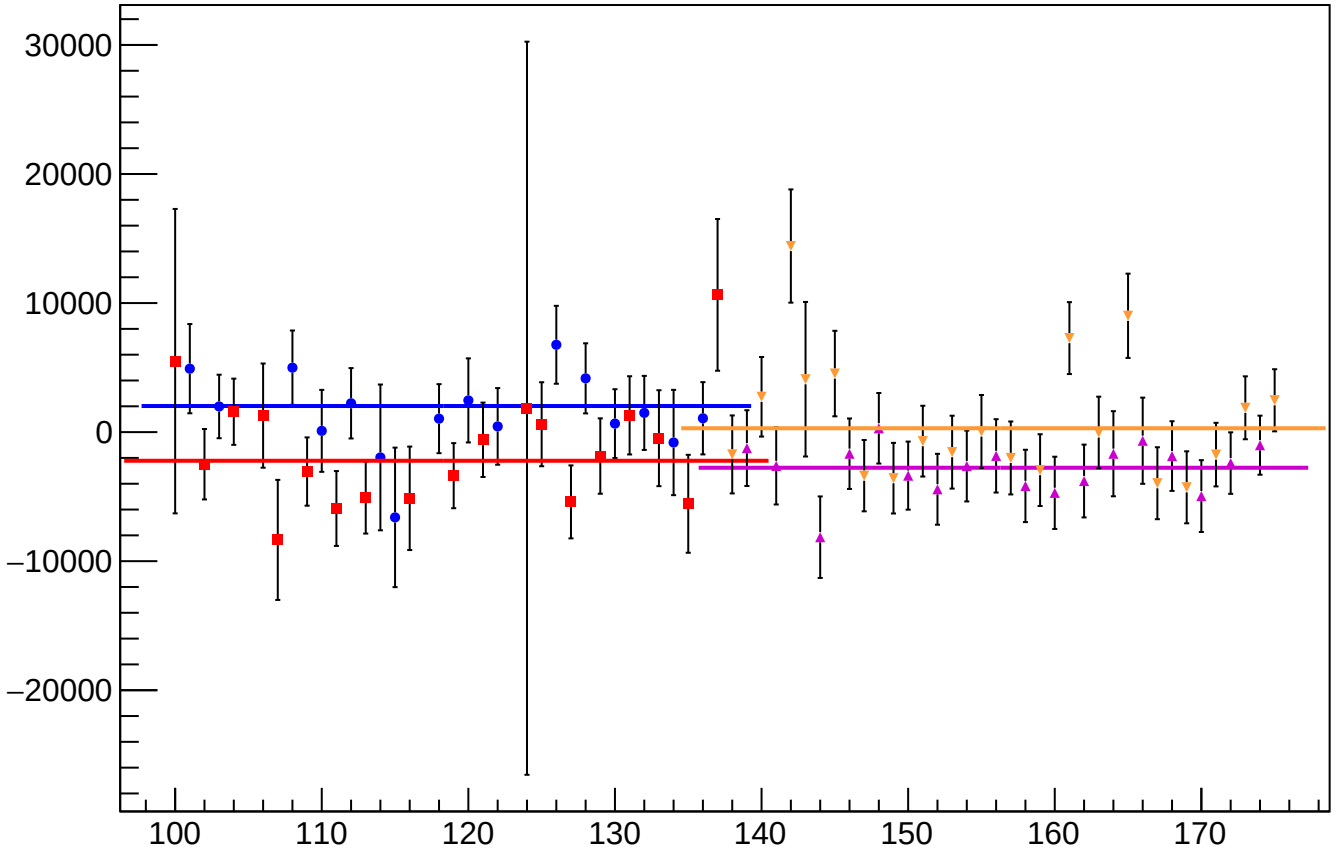
Left In: 9344.134+/-1.748 χ^2/NDF:1023624.4/17

+ sign 2013.479+/-0.514 χ^2/NDF: 30347165.8/35

All: 1867.889+/-0.365 χ^2/NDF: 63803528.4/7

- sign 1719.446+/-0.519 χ^2/NDF: 33294195.0/36

cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 299.800+/-645.075 χ^2/NDF:40.2/19

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

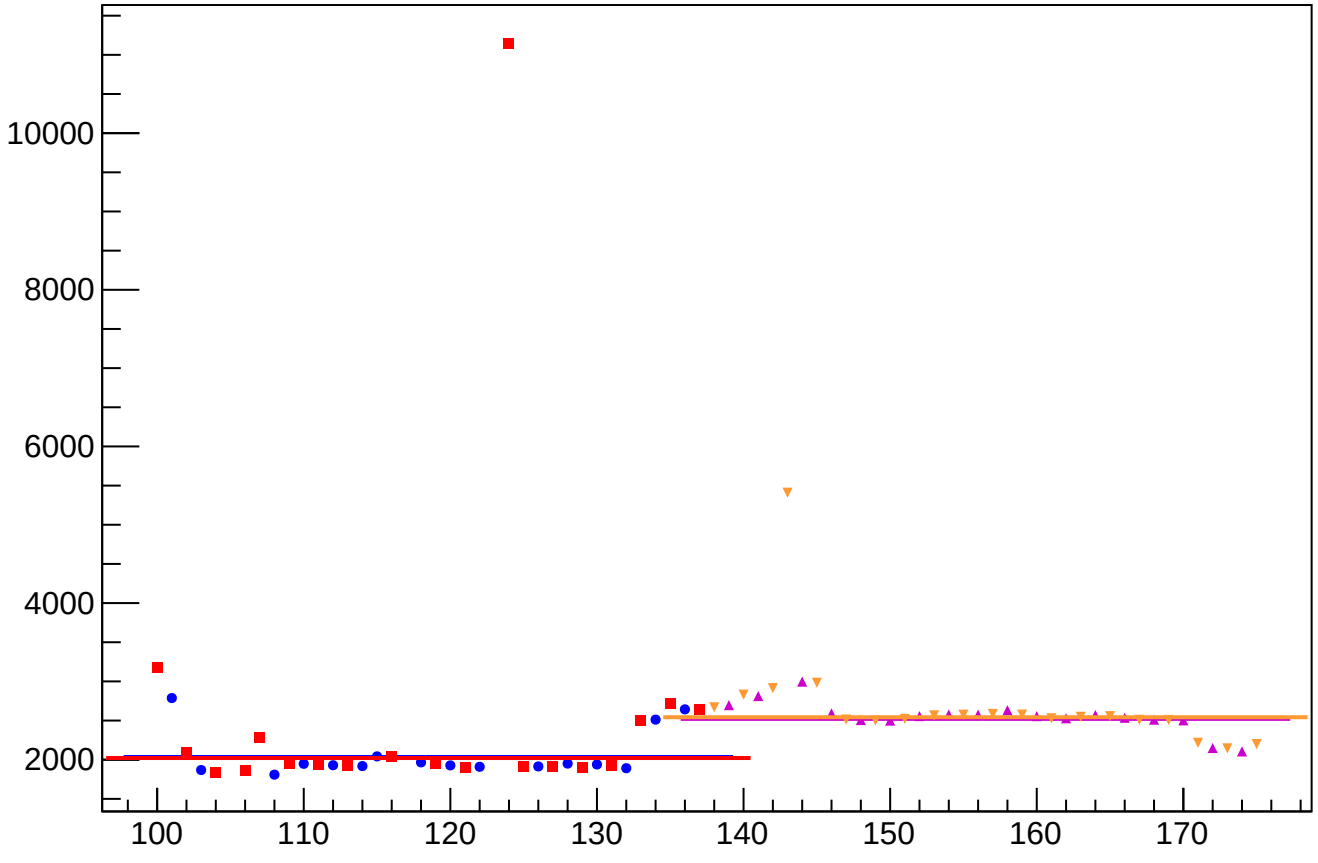
Left In: -2760.973+/-655.856 χ^2/NDF:7.8/17

+ sign 1016.524+/-492.978 χ^2/NDF: 52.8/35

All: -747.031+/-349.459 χ^2/NDF: 104.8/72

- sign -2528.331+/-495.452 χ^2/NDF: 26.3/36

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2542.433+/-0.456 χ^2/NDF:660468.4/19

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

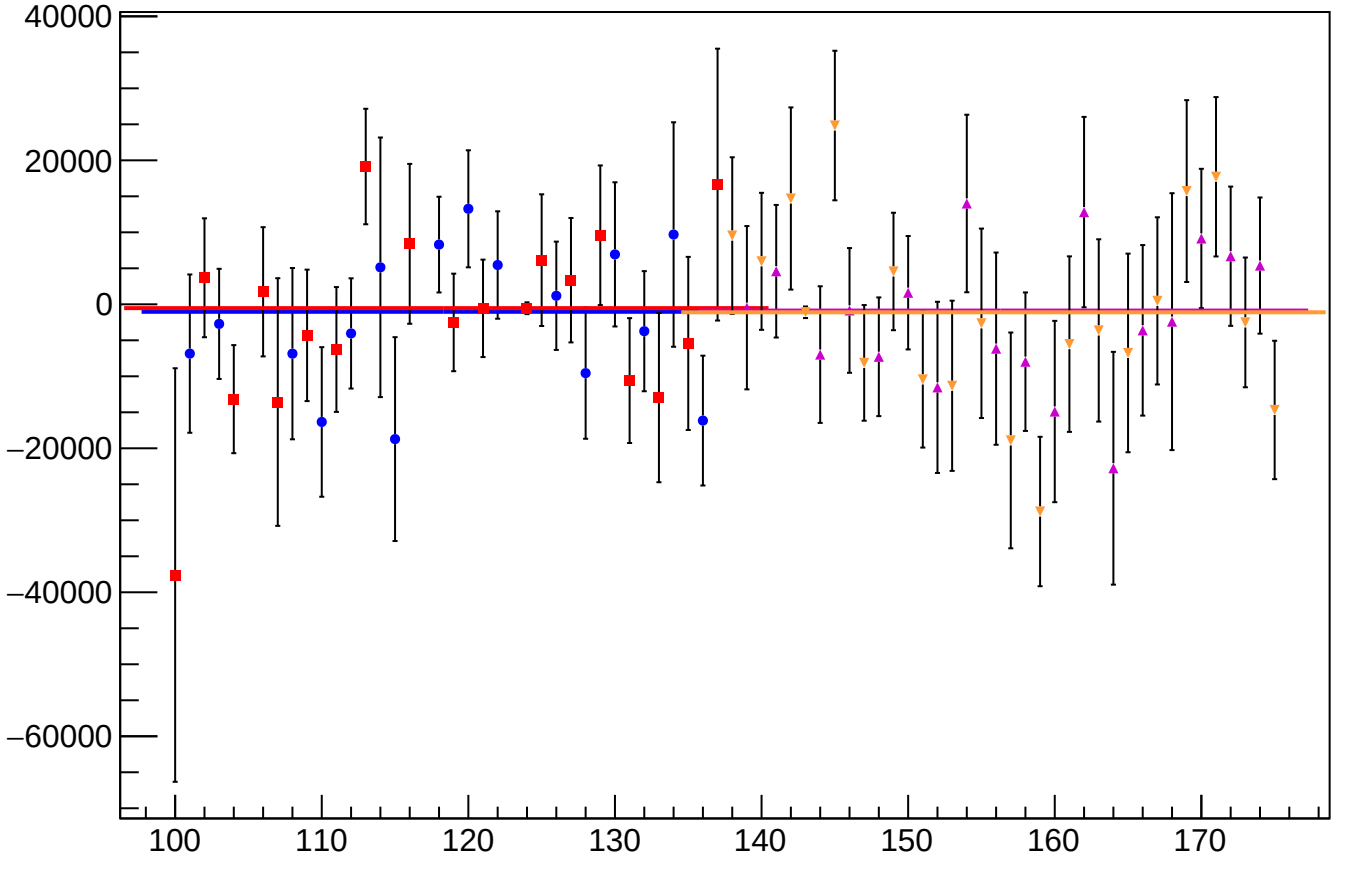
Left In: 2521.589+/-0.464 χ^2/NDF:193614.9/17

+ sign 2331.006+/-0.349 χ^2/NDF: 1439925.9/35

All: 2319.020+/-0.247 χ^2/NDF: 2525343.8/72

- sign 2306.914+/-0.350 χ^2/NDF: 1083041.8/36

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1107.555+/-766.558 χ^2/NDF:27.9/19

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

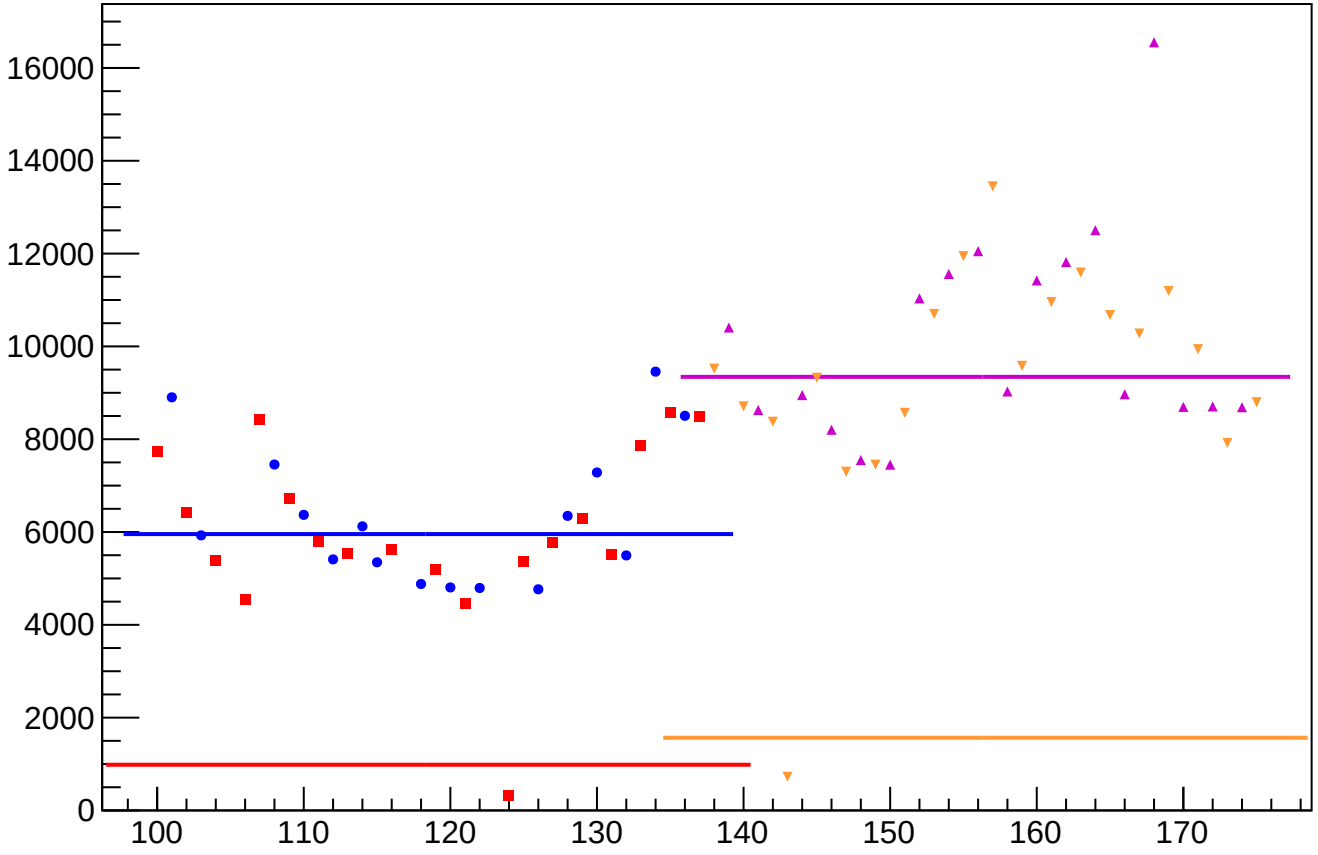
Left In: -866.933+/-2472.616 χ^2/NDF:10.8/17

+ sign -1100.464+/-726.467 χ^2/NDF: 43.2/35

All: -832.916+/-516.120 χ^2/NDF: 72.3/72

- sign -560.245+/-733.390 χ^2/NDF: 28.8/36

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1566.423+/-0.542 χ^2/NDF:22976785.7/19

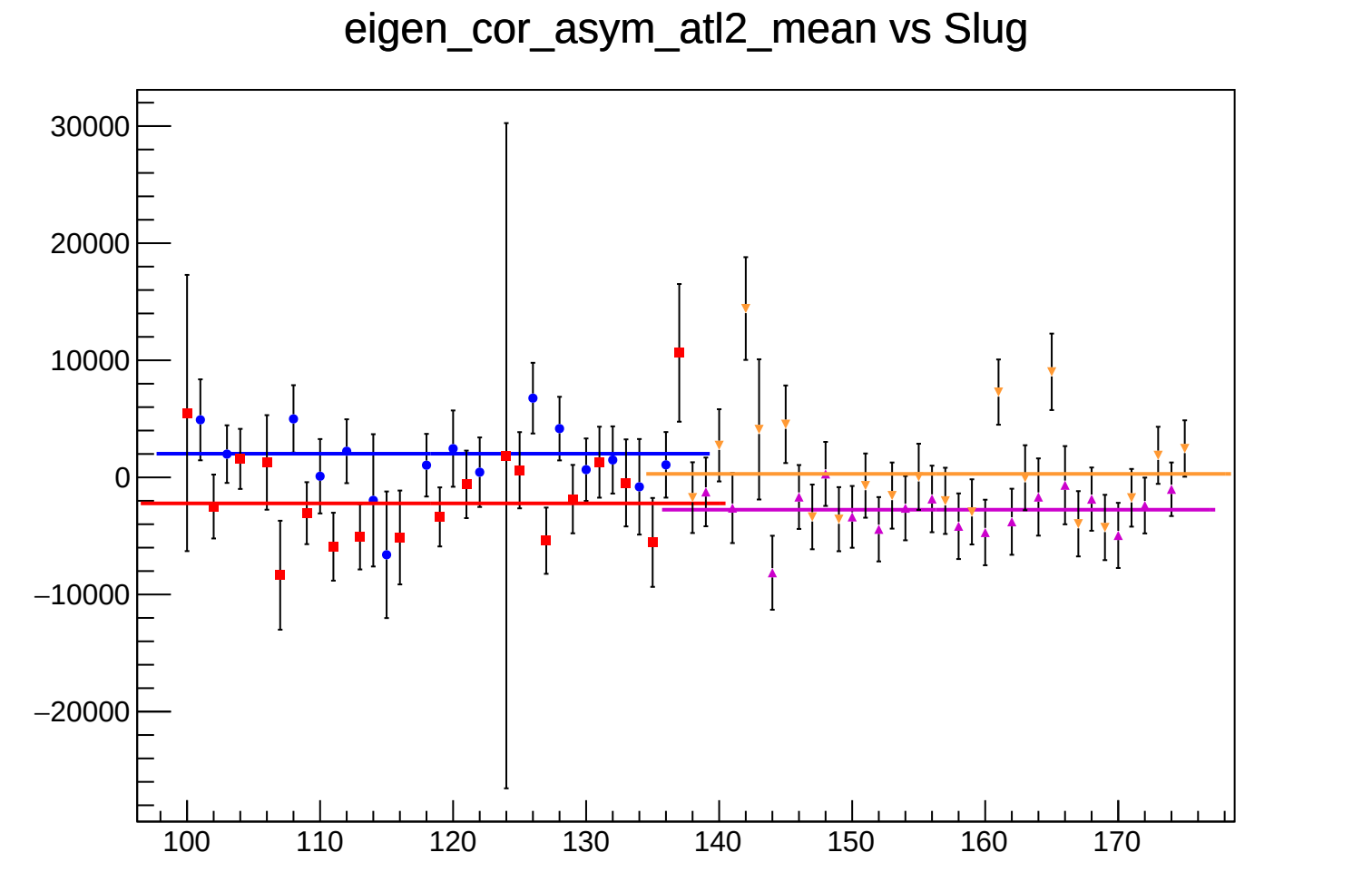
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9344.125+/-1.748 χ^2/NDF:1023631.3/17

+ sign 2013.524+/-0.514 χ^2/NDF: 30345254.1/35

All: 1868.367+/-0.365 χ^2/NDF: 63789828.3/7

- sign 1720.430+/-0.519 χ^2/NDF: 33283344.7/36



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 299.800+/-645.075 χ^2/NDF:40.2/19

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

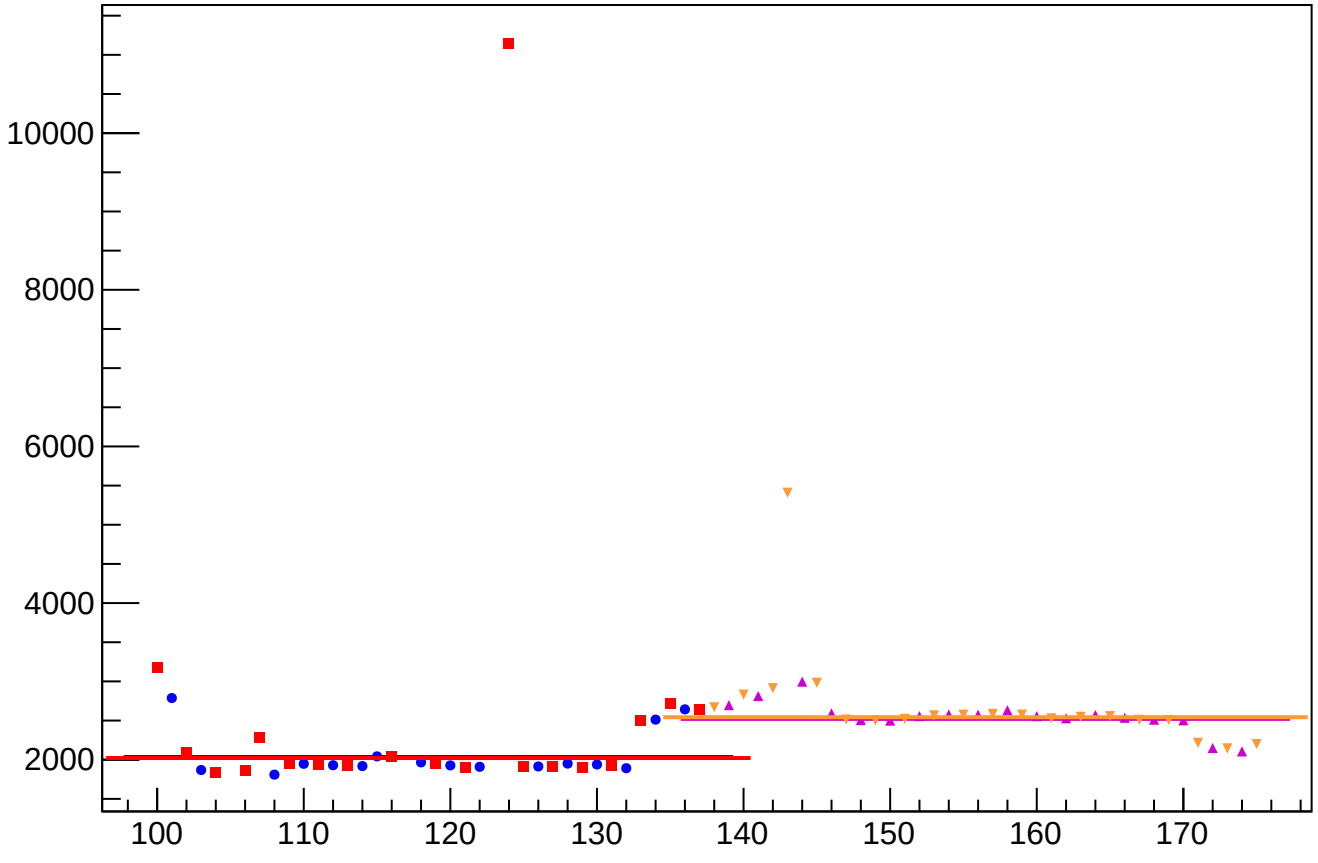
Left In: -2760.973+/-655.856 χ^2/NDF:7.8/17

+ sign 1016.524+/-492.978 χ^2/NDF: 52.8/35

All: -747.031+/-349.459 χ^2/NDF: 104.8/72

- sign -2528.331+/-495.452 χ^2/NDF: 26.3/36

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2542.433+/-0.456 χ^2/NDF:660468.4/19

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

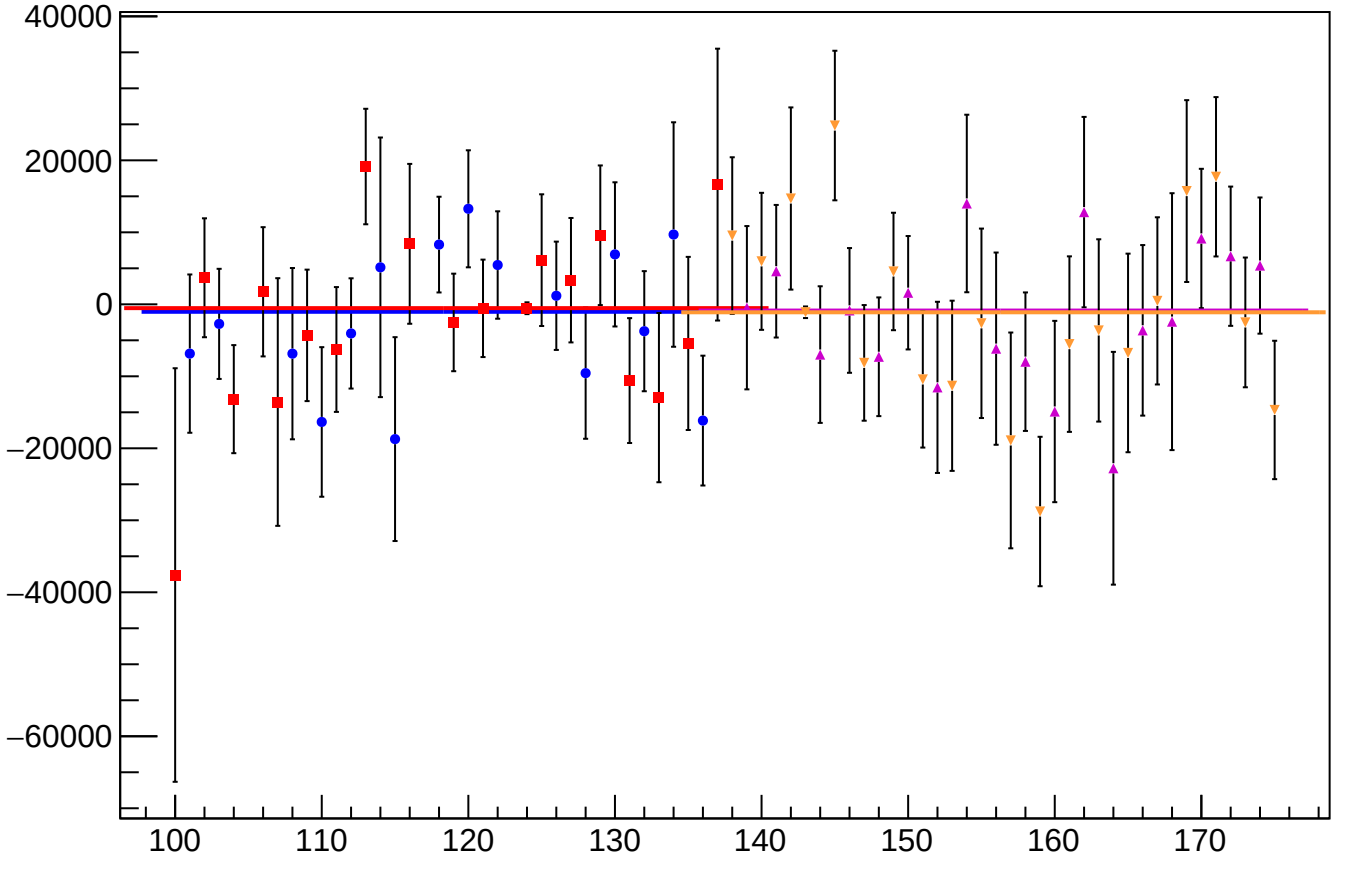
Left In: 2521.589+/-0.464 χ^2/NDF:193614.9/17

+ sign 2331.006+/-0.349 χ^2/NDF: 1439925.9/35

All: 2319.020+/-0.247 χ^2/NDF: 2525343.8/72

- sign 2306.914+/-0.350 χ^2/NDF: 1083041.8/36

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1107.555+/-766.558 χ^2/NDF:27.9/19

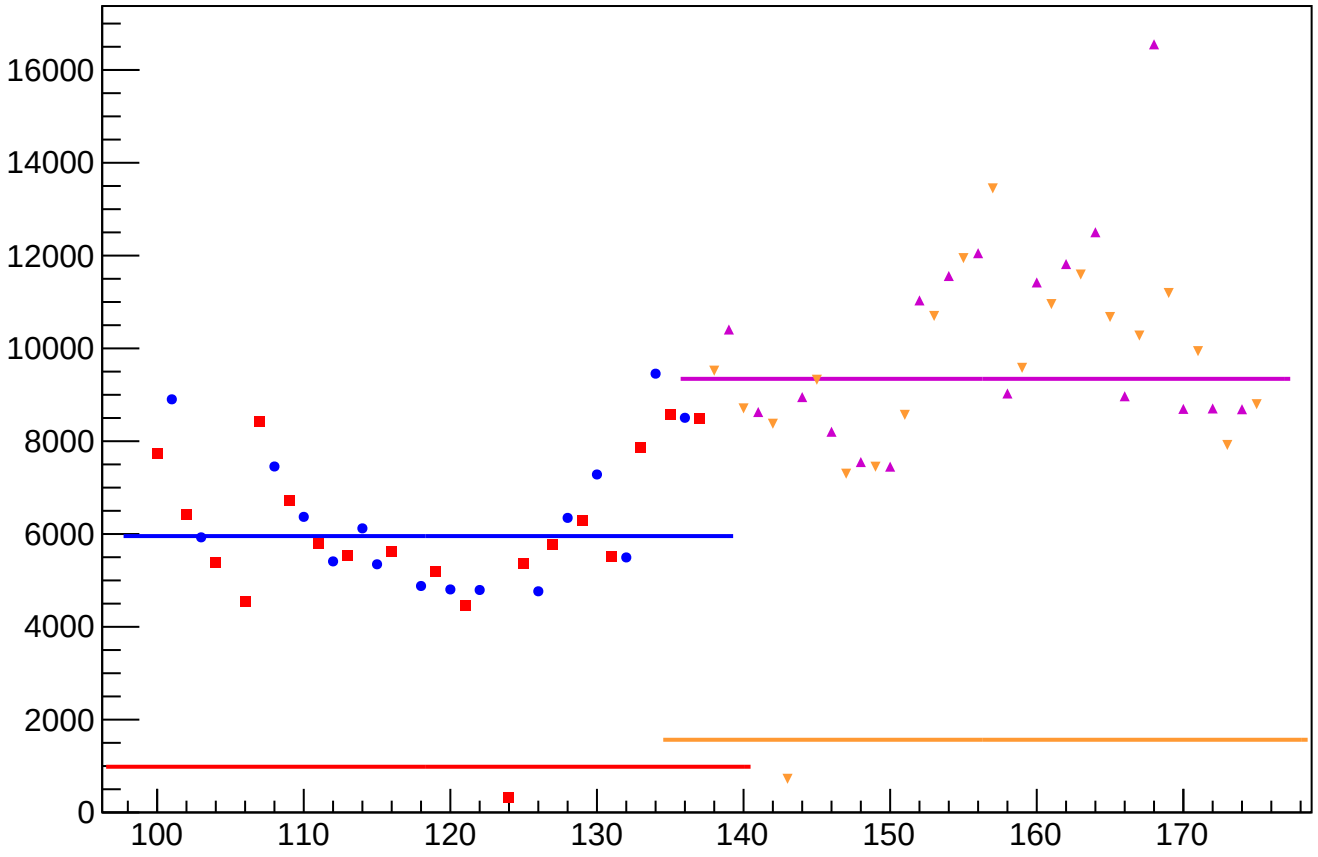
Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: -866.933+/-2472.616 χ^2/NDF:10.8/17

+ sign -1100.464+/-726.467 χ^2/NDF: 43.2/35

All: -832.916+/-516.120 χ^2/NDF: 72.3/72

- sign -560.245+/-733.390 χ^2/NDF: 28.8/36



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1566.423+/-0.542 χ^2/NDF:22976785.7/19

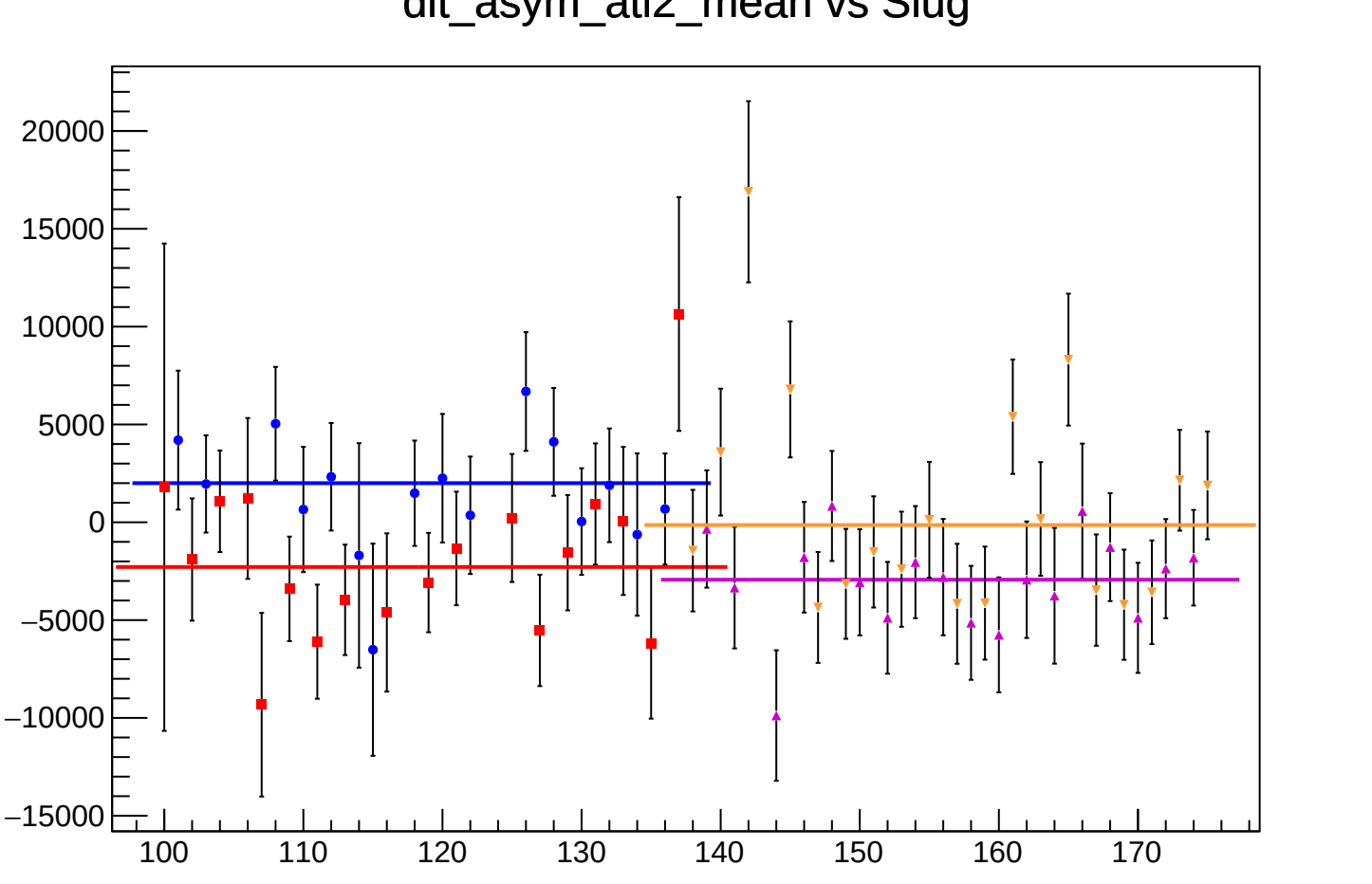
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9344.125+/-1.748 χ^2/NDF:1023631.3/17

+ sign 2013.524+/-0.514 χ^2/NDF: 30345254.1/35

All: 1868.367+/-0.365 χ^2/NDF: 63789828.3/7

- sign 1720.430+/-0.519 χ^2/NDF: 33283344.7/36



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -140.468+/-680.886 χ^2/NDF:43.2/18

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

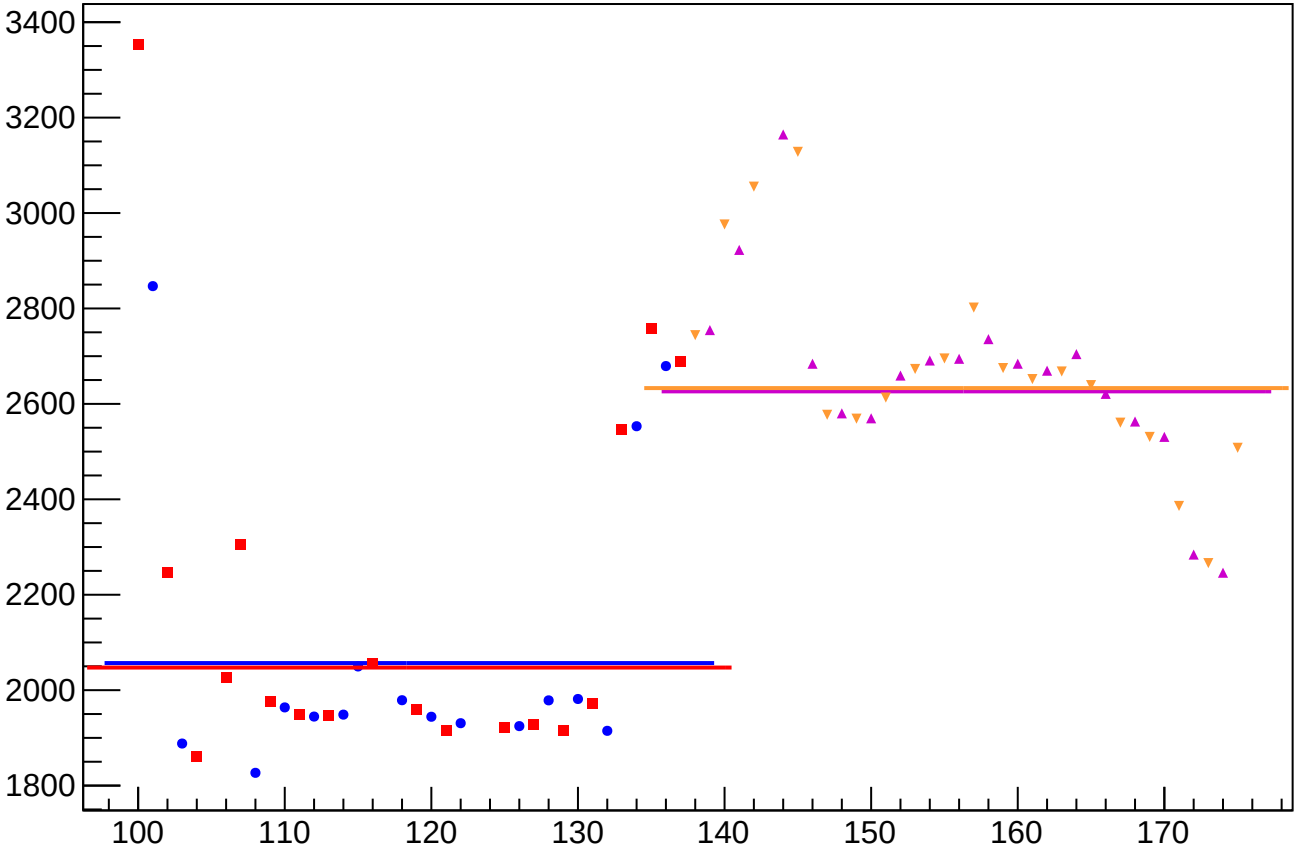
Left In: -2936.298+/-682.919 χ^2/NDF:11.3/17

+ sign 793.619+/-511.094 χ^2/NDF: 56.5/34

All: -927.733+/-361.471 χ^2/NDF: 107.5/70

- sign -2650.481+/-511.301 χ^2/NDF: 28.4/35

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2633.105+/-0.481 χ^2/NDF:158151.6/18

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

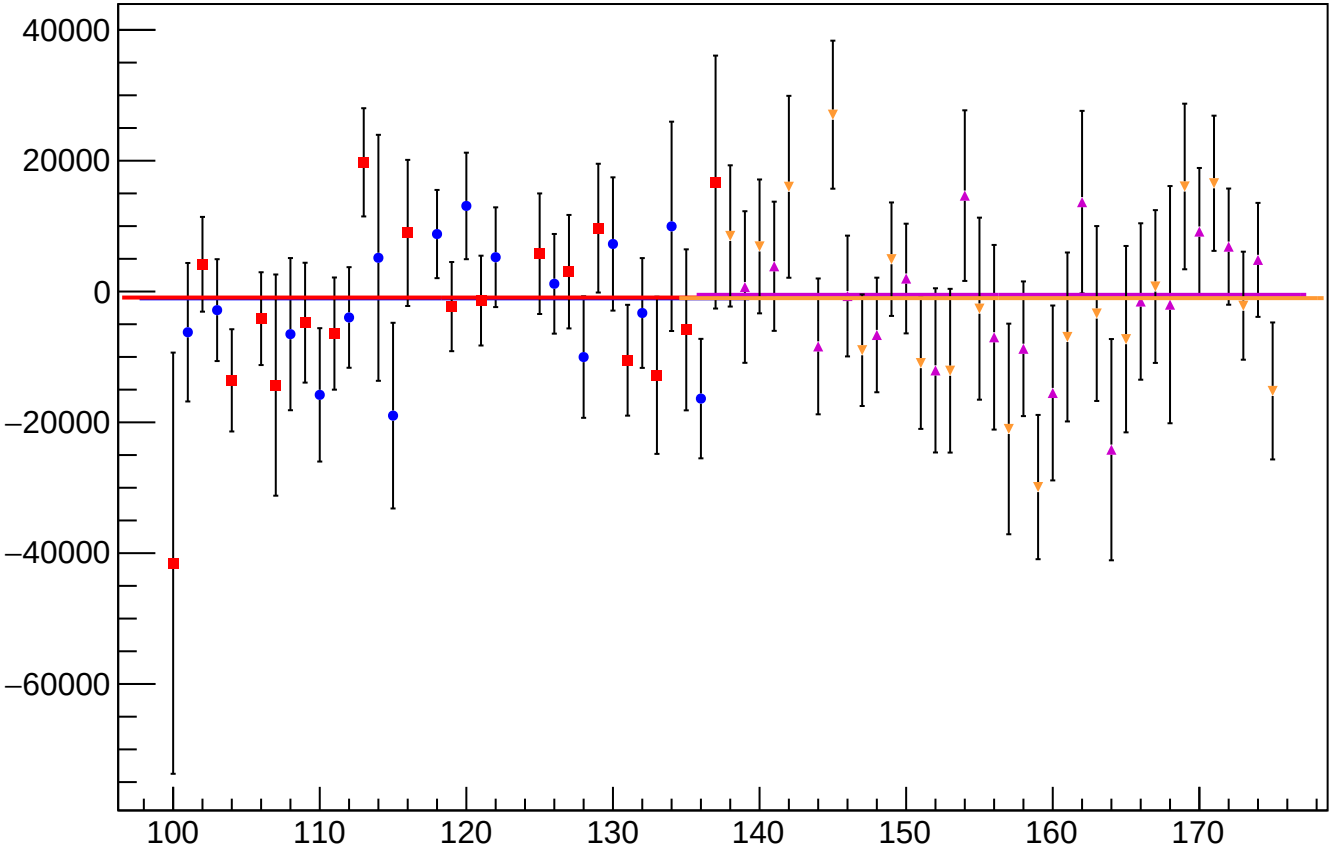
Left In: 2626.241+/-0.483 χ^2/NDF:171883.5/17

+ sign 2381.515+/-0.361 χ^2/NDF: 1054112.3/34

All: 2376.476+/-0.256 χ^2/NDF: 2055398.0/70

- sign 2371.439+/-0.361 χ^2/NDF: 1000897.0/35

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -1011.273+/-2540.991 χ^2/NDF:27.6/18

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

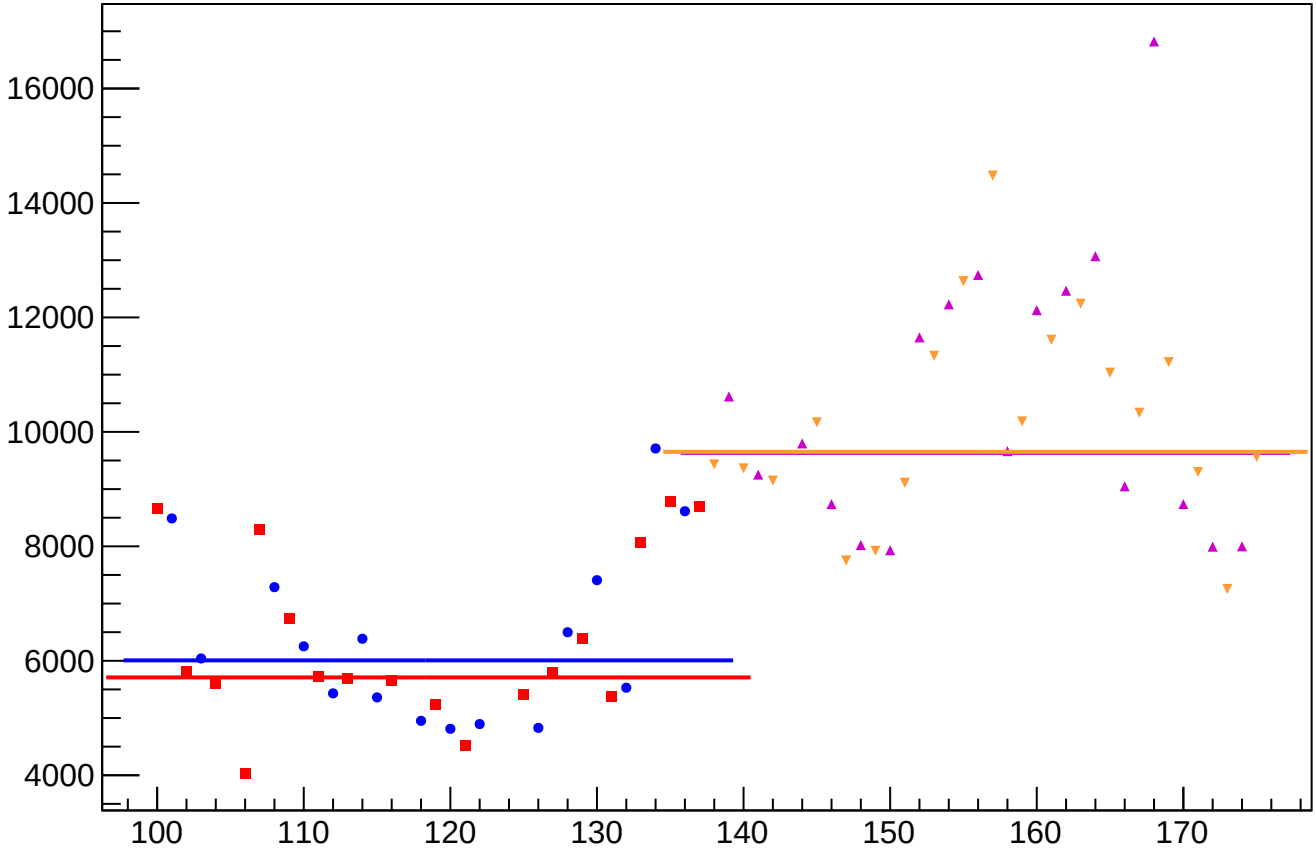
Left In: -505.442+/-2553.810 χ^2/NDF:10.7/17

+ sign -1028.482+/-1702.995 χ^2/NDF: 42.9/34

All: -883.276+/-1183.215 χ^2/NDF: 72.0/70

- sign -747.768+/-1645.143 χ^2/NDF: 29.1/35

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9651.567+/-1.797 χ^2/NDF:853885.2/18

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

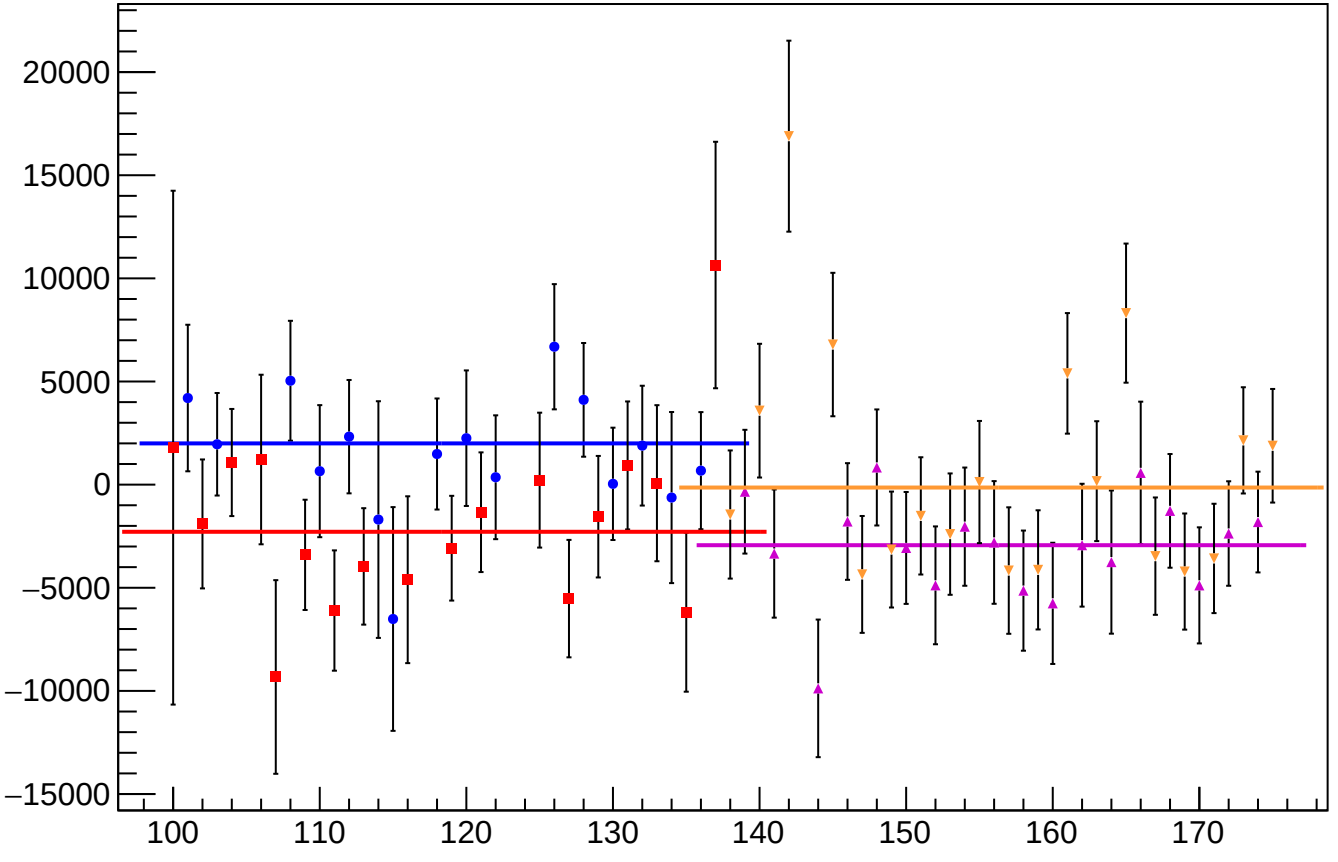
Left In: 9632.290+/-1.806 χ^2/NDF:1123642.6/17

+ sign 7644.299+/-1.204 χ^2/NDF: 3773694.9/34

All: 7485.665+/-0.837 χ^2/NDF: 8226897.4/70

- sign 7337.625+/-1.163 χ^2/NDF: 4419653.5/35

eigen_dit_asym_atl2_mean vs Slug



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -140.475+/-680.886 χ^2/NDF:43.2/18

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

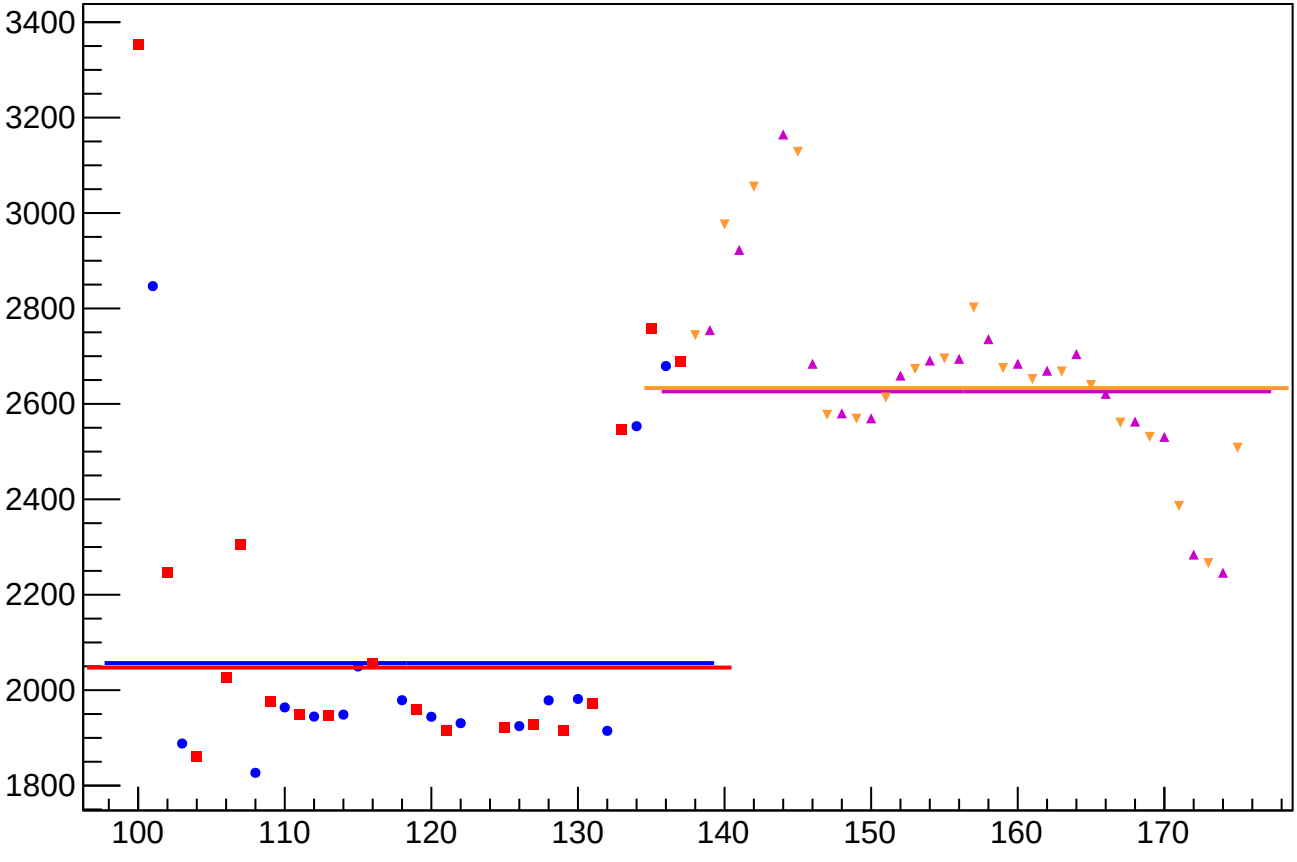
Left In: -2936.297+/-682.919 χ^2/NDF:11.3/17

+ sign 793.617+/-511.094 χ^2/NDF: 56.5/34

All: -927.734+/-361.471 χ^2/NDF: 107.5/70

- sign -2650.482+/-511.301 χ^2/NDF: 28.4/35

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2633.106+/-0.481 χ^2/NDF:158158.2/18

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

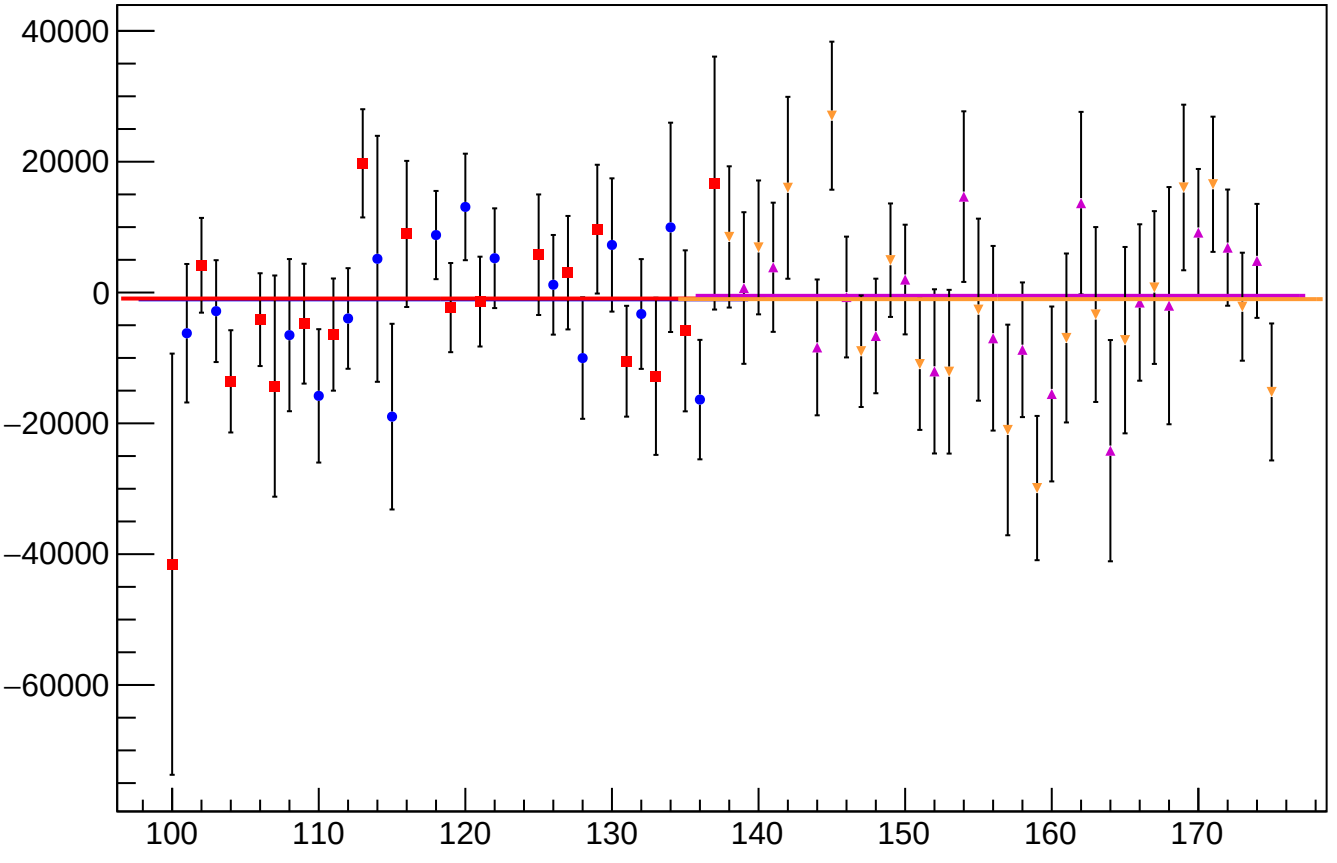
Left In: 2626.242+/-0.483 χ^2/NDF:171890.1/17

\+ sign 2381.515+/-0.361 χ^2/NDF: 1054119.5/34

All: 2376.476+/-0.256 χ^2/NDF: 2055413.3/70

\- sign 2371.440+/-0.361 χ^2/NDF: 1000905.1/35

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -1011.282+/-2540.996 χ^2/NDF:27.6/18

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

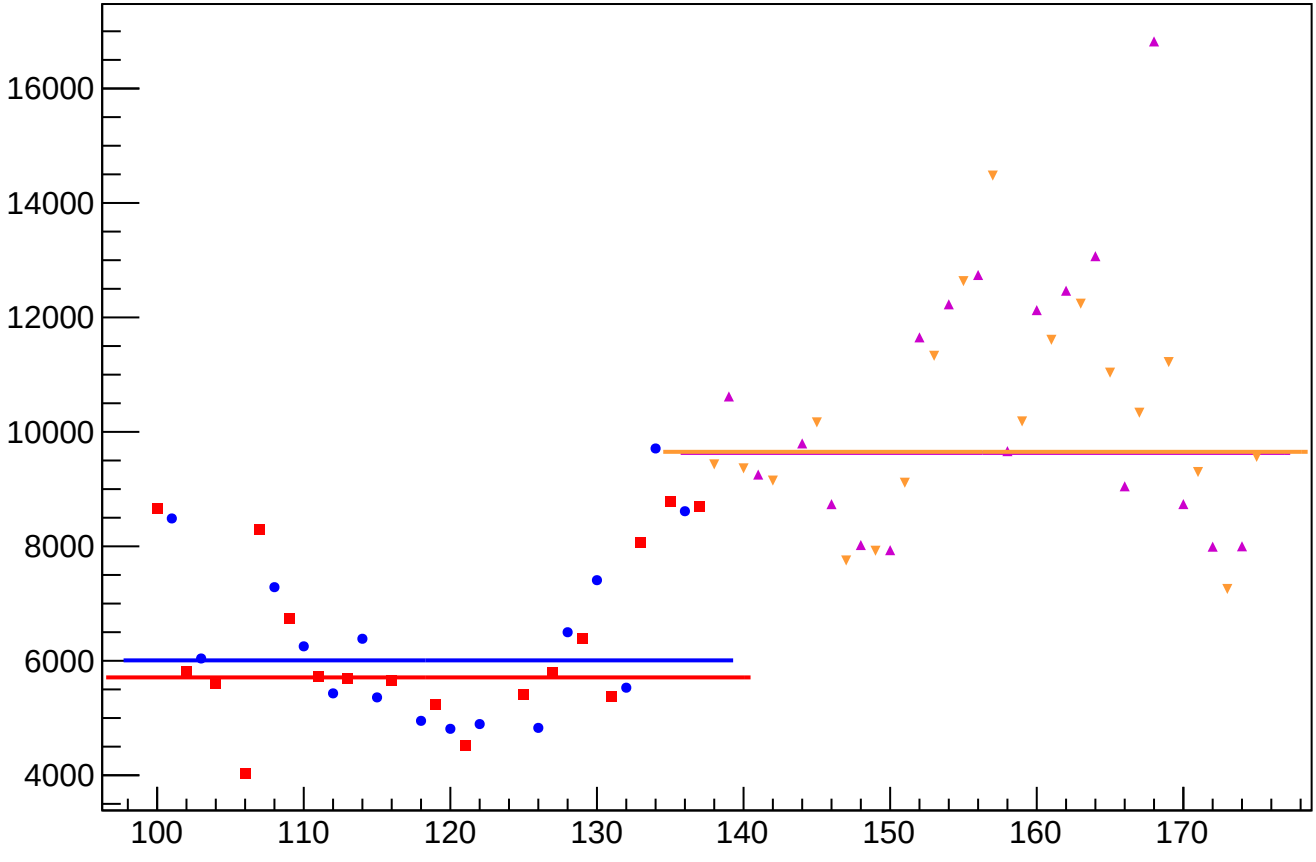
Left In: -505.442+/-2553.814 χ^2/NDF:10.7/17

+ sign -1028.479+/-1702.993 χ^2/NDF: 42.9/34

All: -883.277+/-1183.214 χ^2/NDF: 72.0/70

- sign -747.772+/-1645.141 χ^2/NDF: 29.1/35

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9651.584+/-1.797 χ^2/NDF:853884.7/18

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

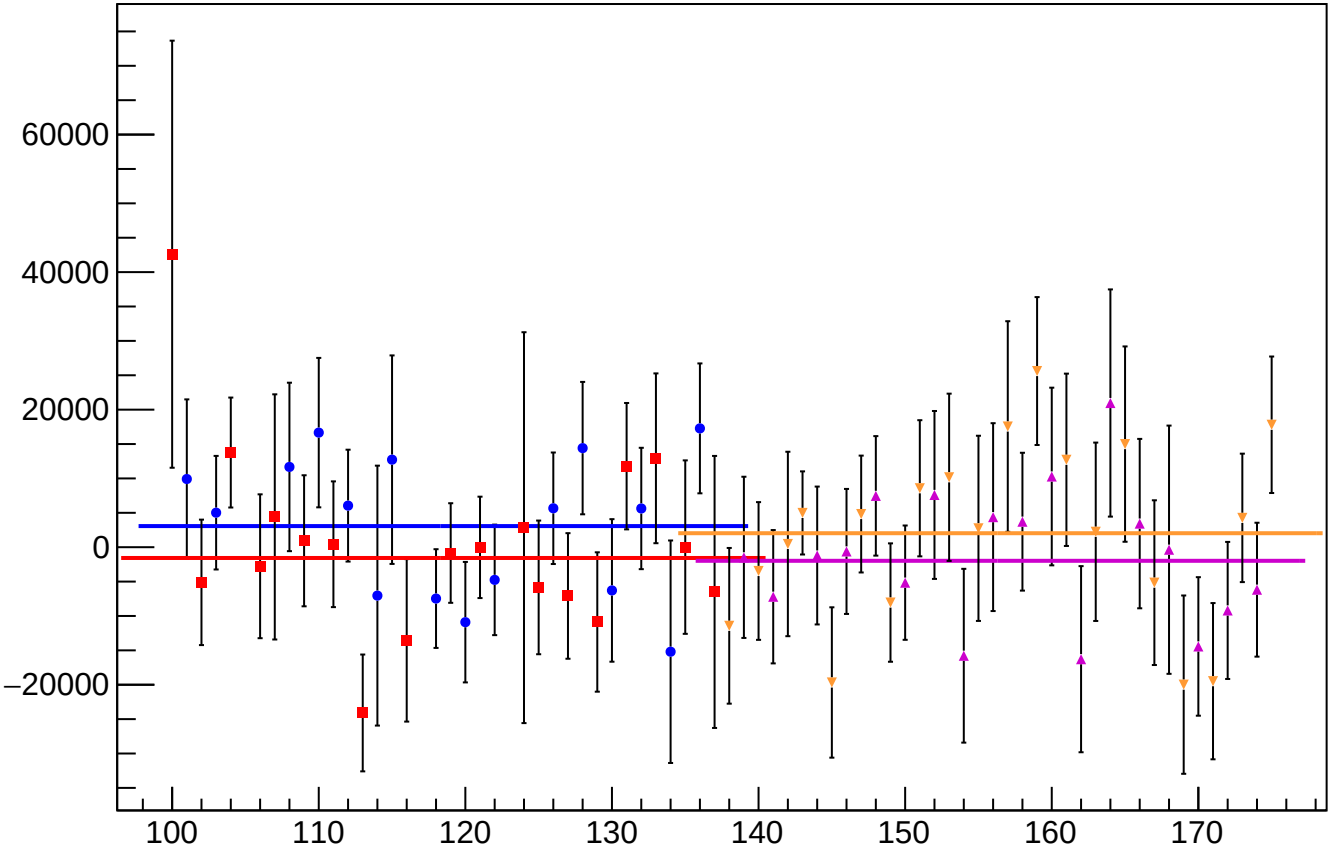
Left In: 9632.305+/-1.806 χ^2/NDF:1123642.9/17

+ sign 7644.287+/-1.204 χ^2/NDF: 3773750.2/34

All: 7485.652+/-0.837 χ^2/NDF: 8227003.7/70

- sign 7337.612+/-1.163 χ^2/NDF: 4419704.4/35

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 2033.881+/-2348.001 χ^2/NDF:25.1/19

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

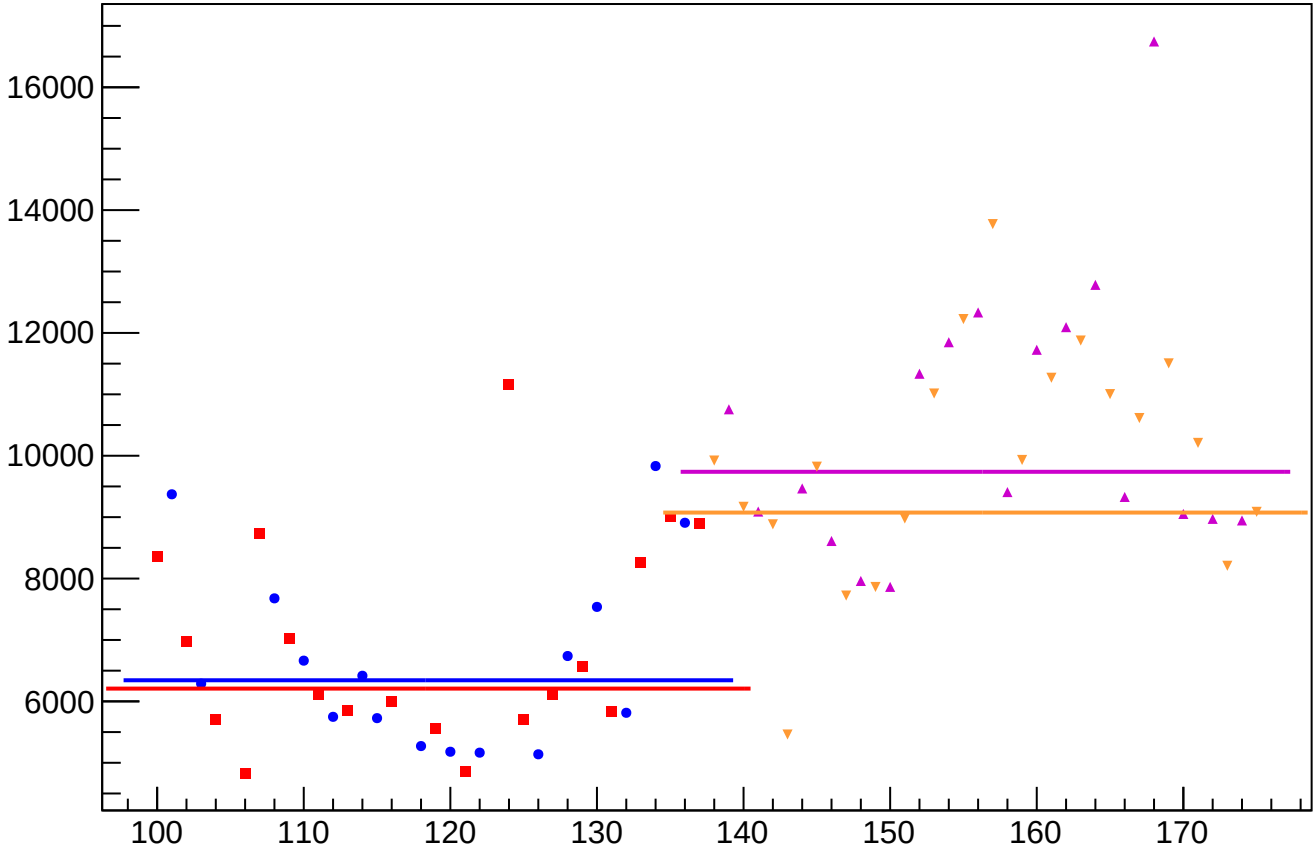
Left In: -1978.276+/-2571.344 χ^2/NDF:10.4/17

+ sign 2536.286+/-1685.410 χ^2/NDF: 40.0/35

All: 446.374+/-1206.875 χ^2/NDF: 72.8/72

- sign -1752.997+/-1728.983 χ^2/NDF: 29.6/36

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9074.749+/-1.660 χ^2/NDF:1520126.8/19

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

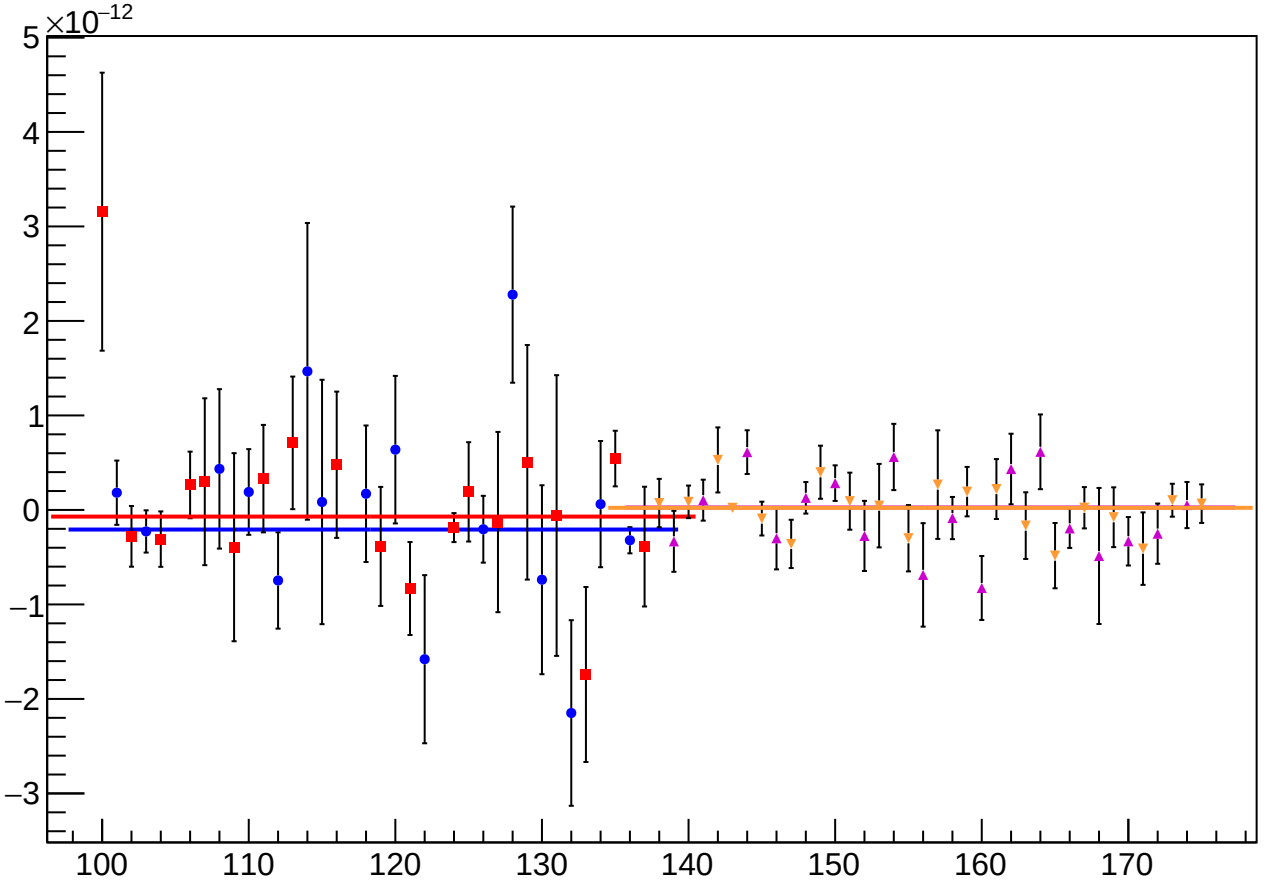
Left In: 9738.503+/-1.818 χ^2/NDF:919851.3/17

+ sign 7750.906+/-1.192 χ^2/NDF: 3452914.3/35

All: 7776.916+/-0.853 χ^2/NDF: 6911148.3/72

- sign 7804.288+/-1.223 χ^2/NDF: 3457256.4/36

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/19

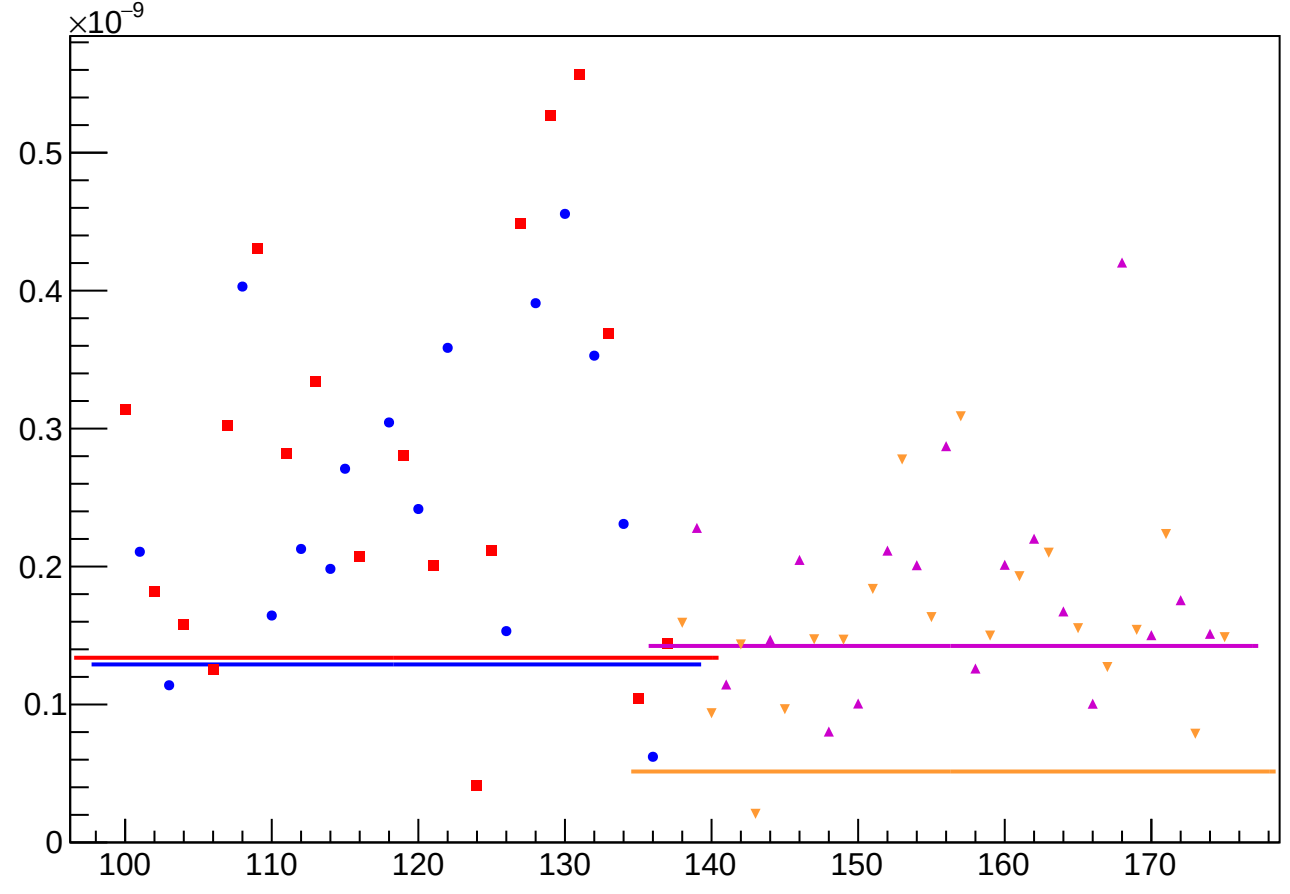
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:30.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 39.0/35

All: -0.000+/-0.000 χ^2/NDF: 90.6/72

- sign -0.000+/-0.000 χ^2/NDF: 51.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:6884107.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

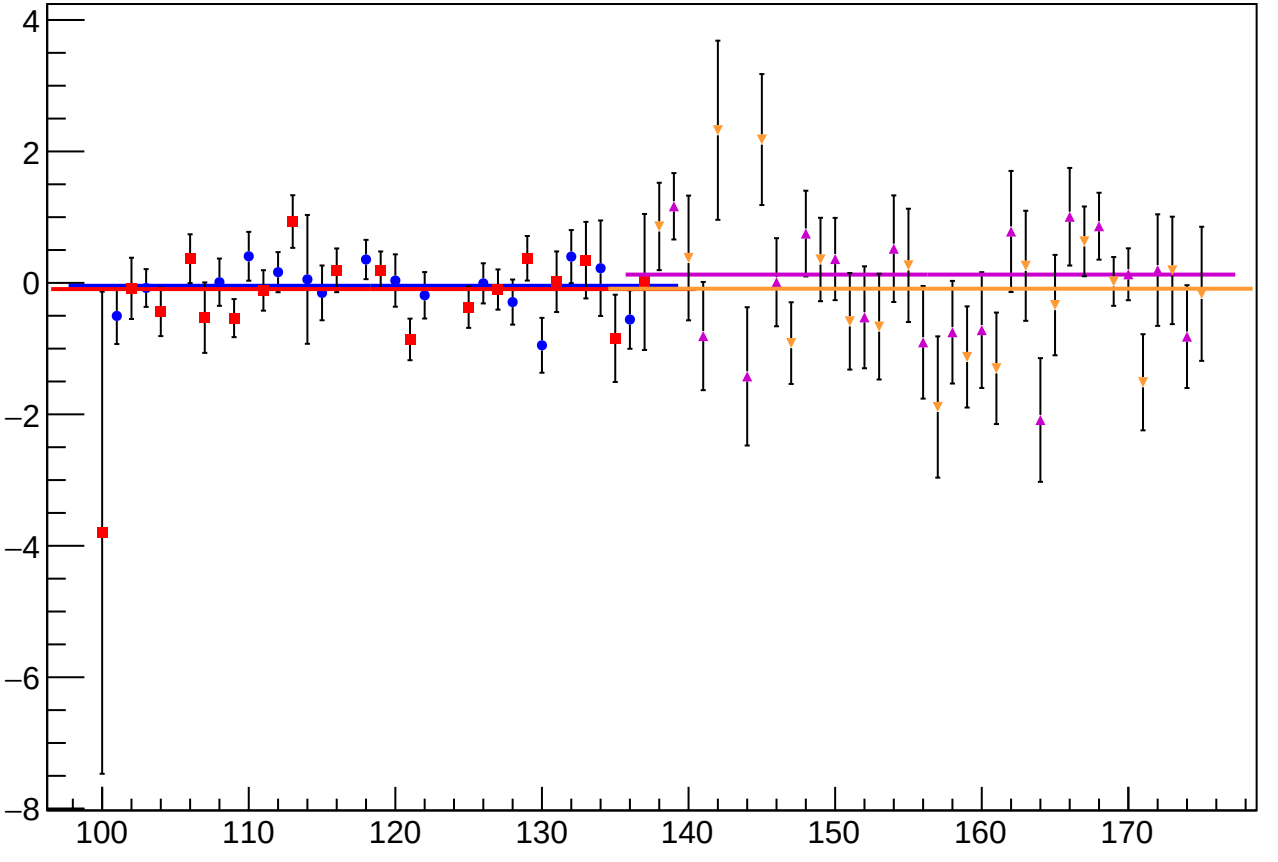
Left In: 0.000+/-0.000 χ^2/NDF:1457504.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 9807875.0/35

All: 0.000+/-0.000 χ^2/NDF: 17217966.6/72

- sign 0.000+/-0.000 χ^2/NDF: 3773148.2/36

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.089+/-0.164 χ^2/NDF:26.8/18

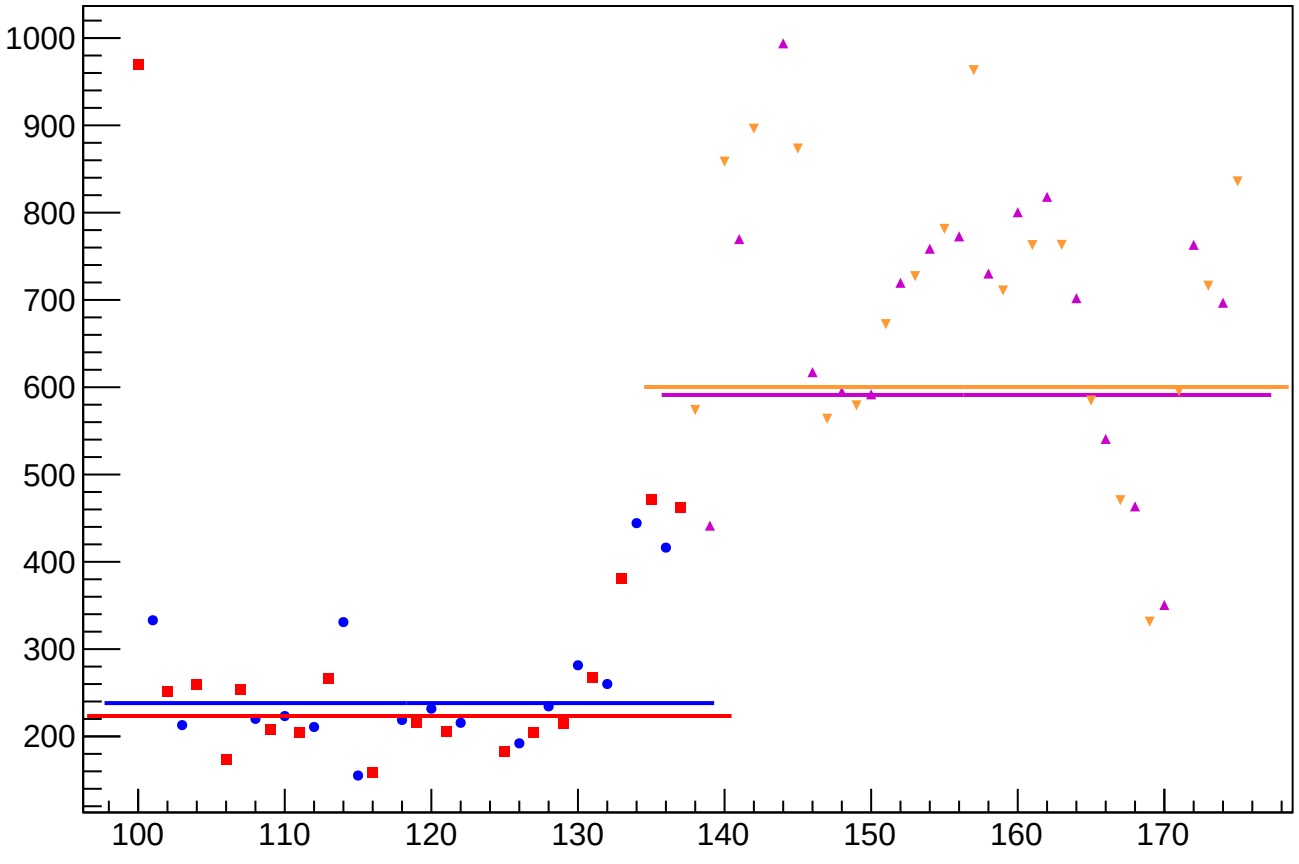
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.126+/-0.162 χ^2/NDF:24.3/17

+ sign -0.055+/-0.081 χ^2/NDF: 39.9/34

All: -0.048+/-0.057 χ^2/NDF: 91.0/70

- sign -0.042+/-0.079 χ^2/NDF: 51.0/35



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 600.261+/-0.116 χ^2/NDF:2297107.4/18

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

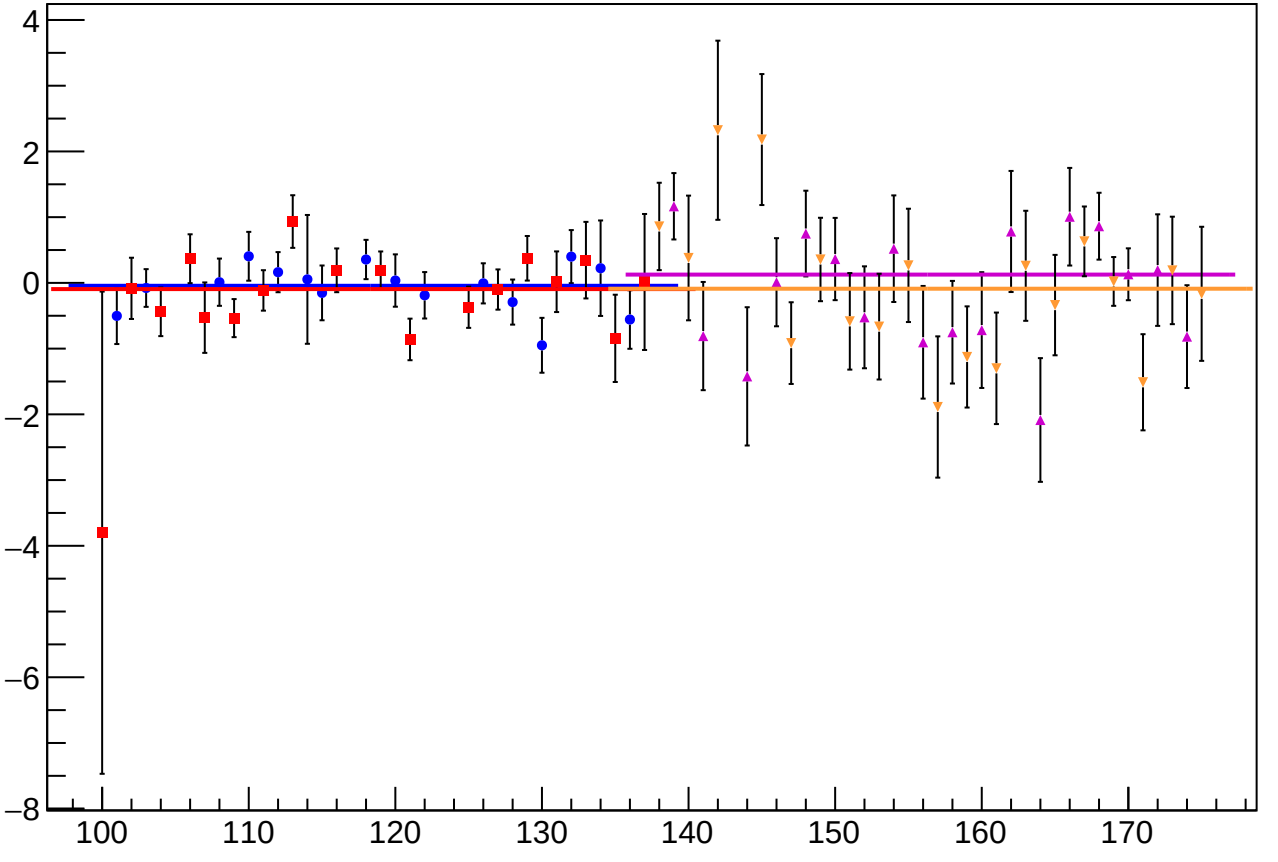
Left In: 591.152+/-0.114 χ^2/NDF:2118278.7/17

+ sign 327.012+/-0.058 χ^2/NDF: 10417388.0/34

All: 318.498+/-0.040 χ^2/NDF: 21350573.8/70

- sign 310.567+/-0.056 χ^2/NDF: 10891010.0/35

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.089+/-0.164 χ^2/NDF:26.8/18

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

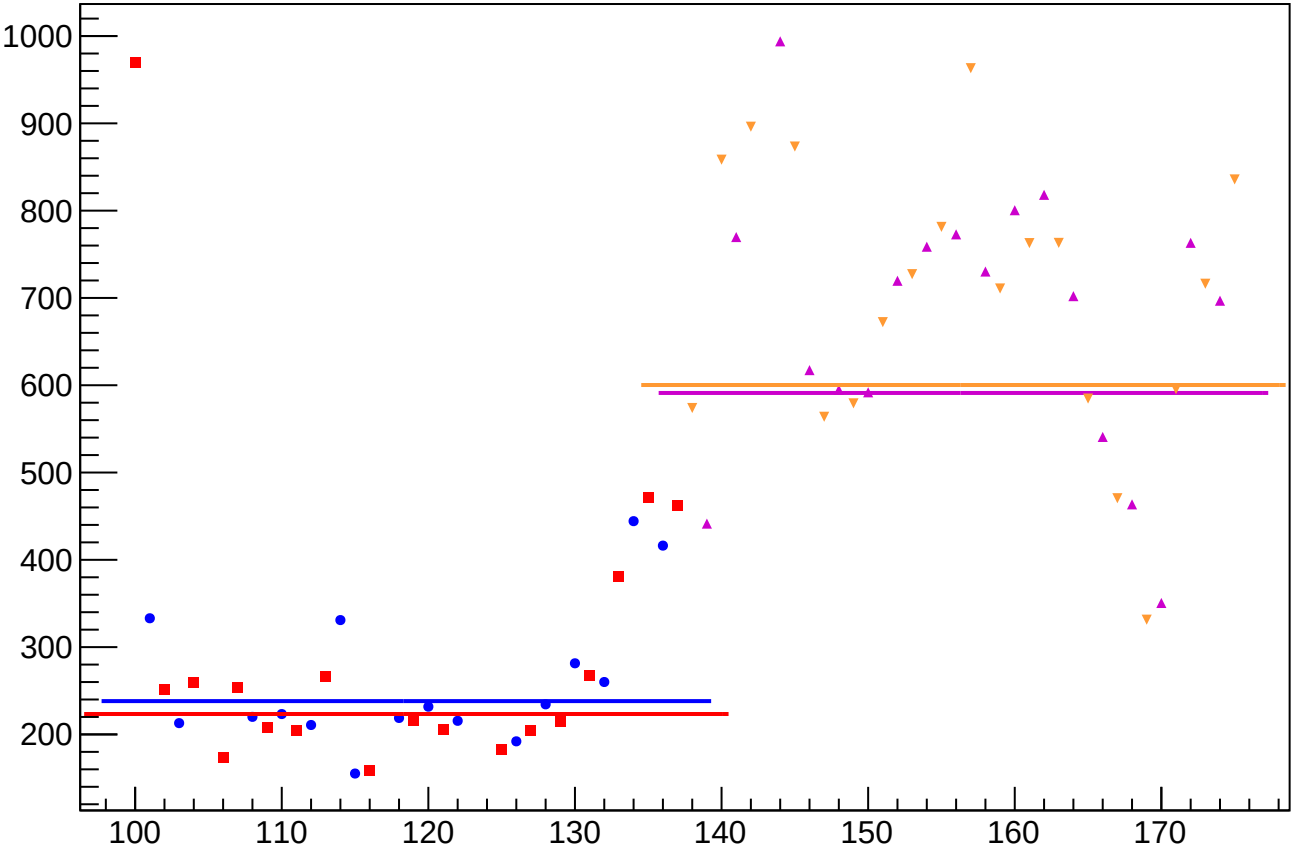
Left In: 0.126+/-0.162 χ^2/NDF:24.3/17

+ sign -0.055+/-0.081 χ^2/NDF: 39.9/34

All: -0.048+/-0.057 χ^2/NDF: 91.0/70

- sign -0.042+/-0.079 χ^2/NDF: 51.0/35

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 600.261+/-0.116 χ^2/NDF:2297107.4/18

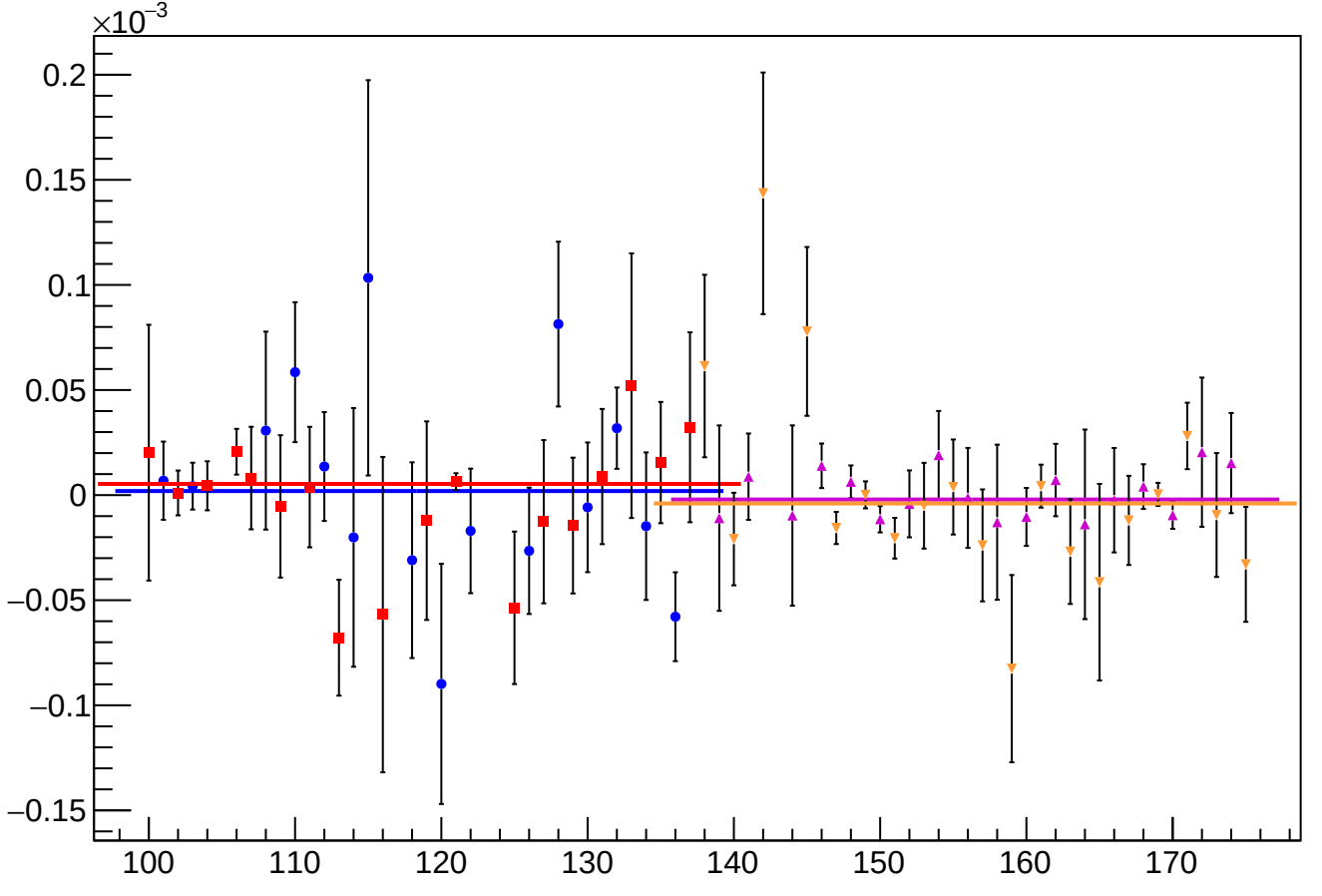
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 591.152+/-0.114 χ^2/NDF:2118278.7/17

+ sign 327.012+/-0.058 χ^2/NDF: 10417388.0/34

All: 318.498+/-0.040 χ^2/NDF: 21350573.8/70

- sign 310.567+/-0.056 χ^2/NDF: 10891010.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.2/18

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

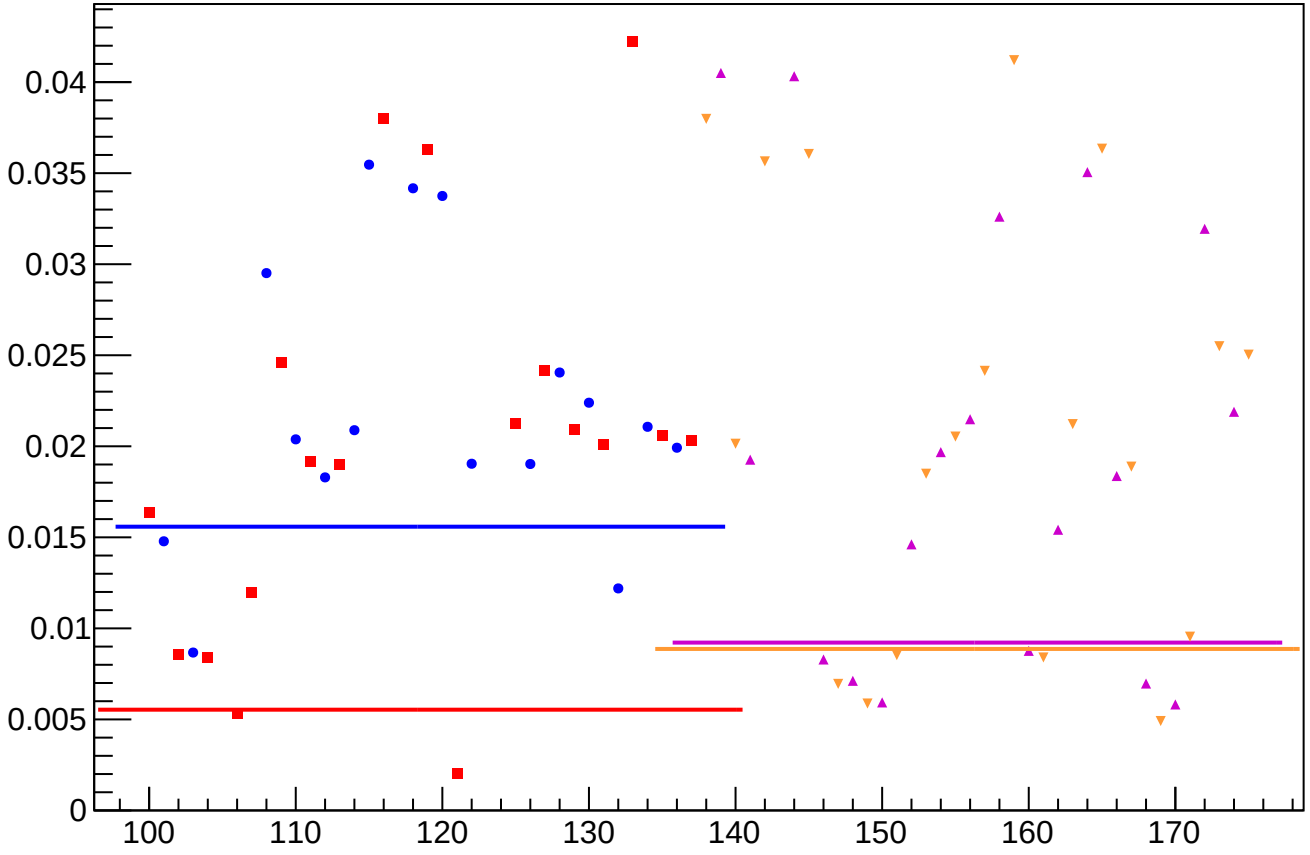
Left In: -0.000+/-0.000 χ^2/NDF:10.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 56.0/34

All: -0.000+/-0.000 χ^2/NDF: 85.4/70

- sign 0.000+/-0.000 χ^2/NDF: 27.8/35

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:10043243.7/18

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

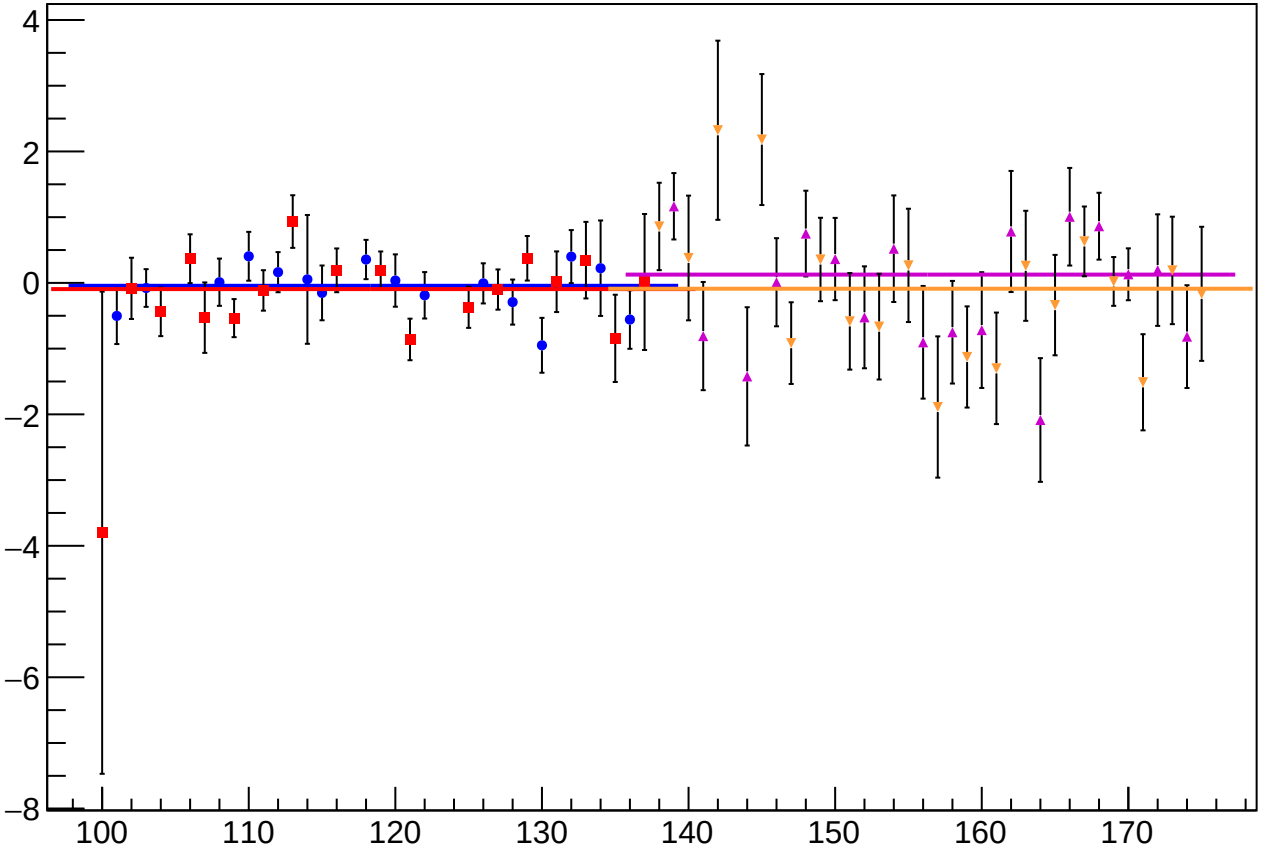
Left In: 0.009+/-0.000 χ^2/NDF:8522557.5/17

+ sign 0.010+/-0.000 χ^2/NDF: 13946418.1/34

All: 0.009+/-0.000 χ^2/NDF: 32927904.7/70

- sign 0.007+/-0.000 χ^2/NDF: 17876091.8/35

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.089+/-0.164 χ^2/NDF:26.8/18

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

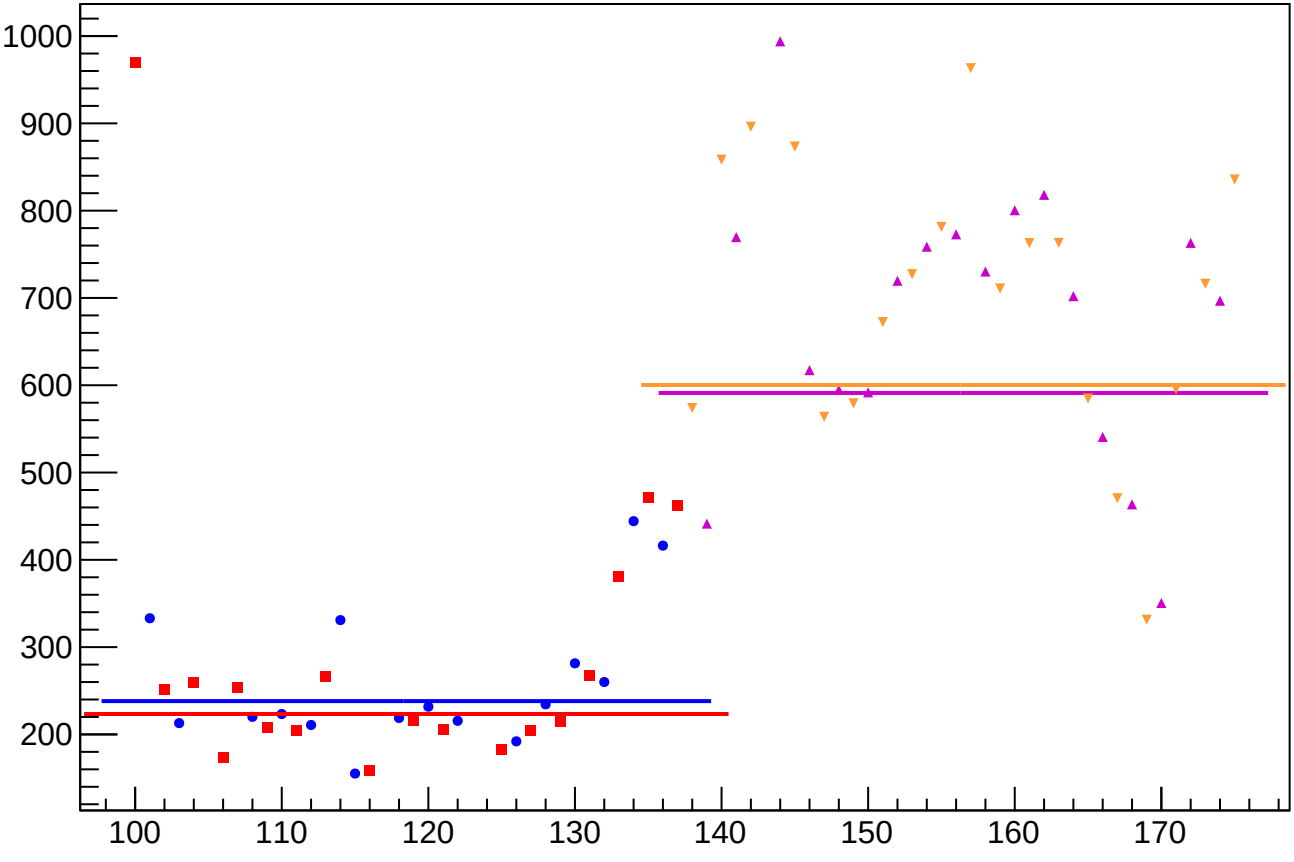
Left In: 0.126+/-0.162 χ^2/NDF:24.3/17

+ sign -0.055+/-0.081 χ^2/NDF: 39.9/34

All: -0.048+/-0.057 χ^2/NDF: 91.0/70

- sign -0.042+/-0.079 χ^2/NDF: 51.0/35

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 600.265+/-0.116 χ^2/NDF:2297155.5/18

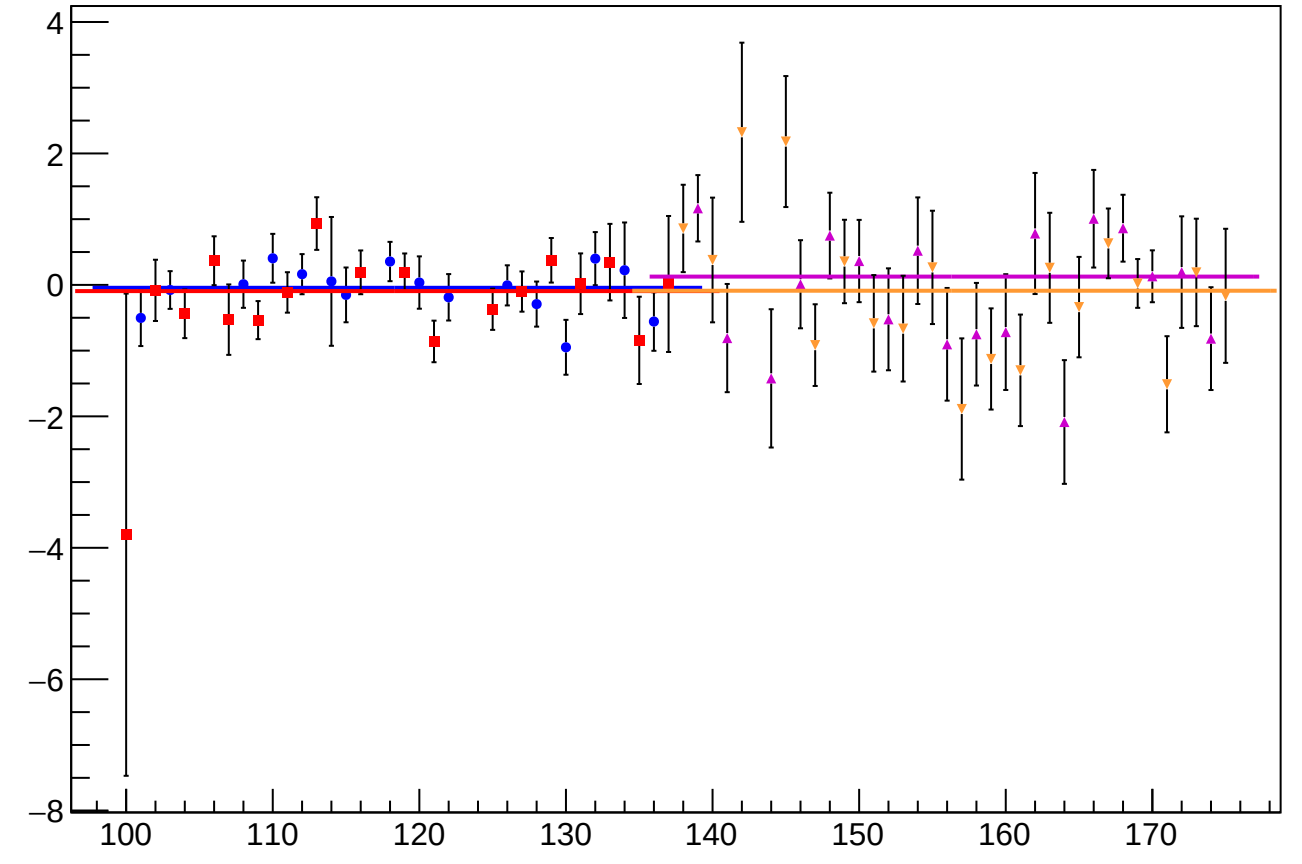
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 591.158+/-0.114 χ^2/NDF:2118253.4/17

+ sign 327.012+/-0.058 χ^2/NDF: 10417435.6/34

All: 318.499+/-0.040 χ^2/NDF: 21350589.9/70

- sign 310.569+/-0.056 χ^2/NDF: 10890983.8/35



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.089+/-0.164 χ^2/NDF:26.8/18

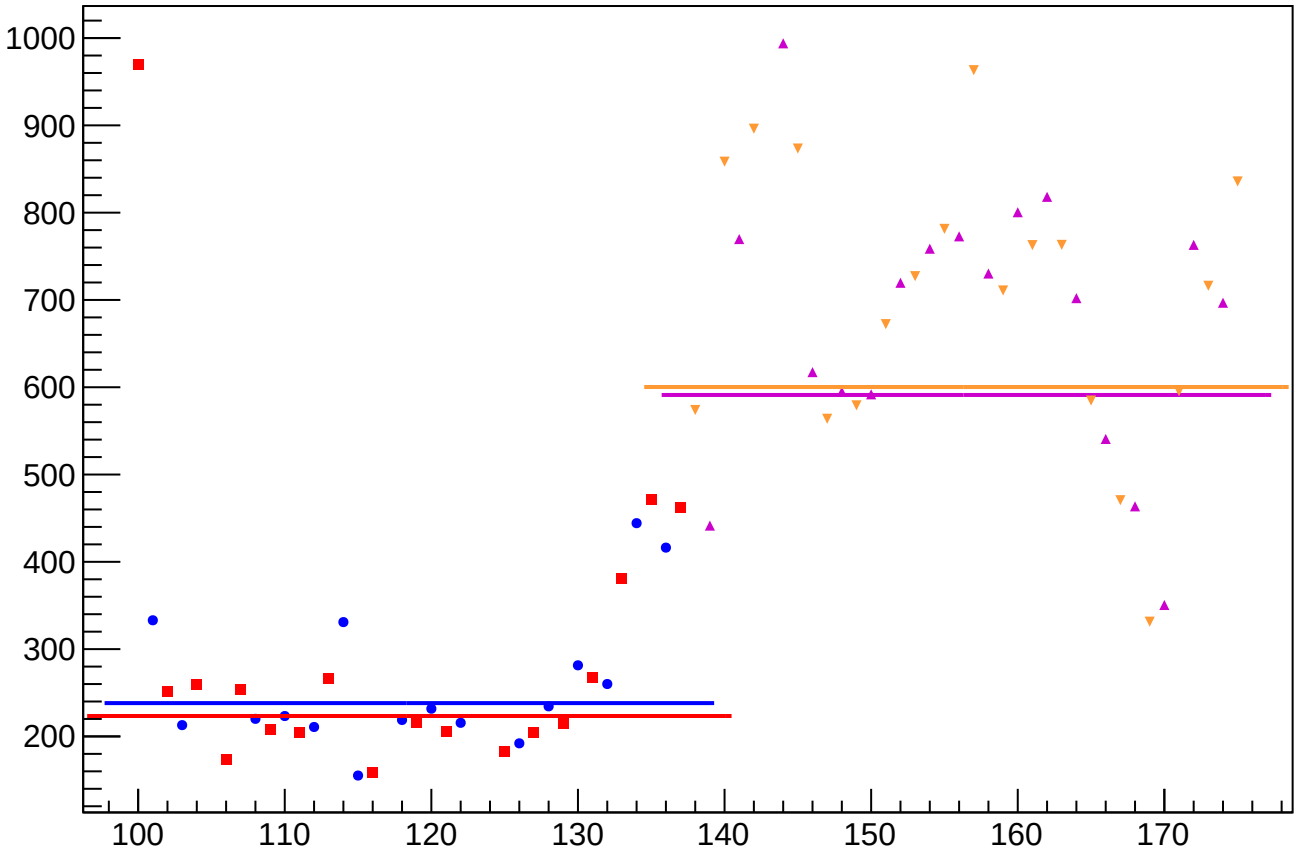
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.126+/-0.162 χ^2/NDF:24.3/17

+ sign -0.055+/-0.081 χ^2/NDF: 39.9/34

All: -0.048+/-0.057 χ^2/NDF: 91.0/70

- sign -0.042+/-0.079 χ^2/NDF: 51.0/35



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 600.265+/-0.116 χ^2/NDF:2297155.5/18

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

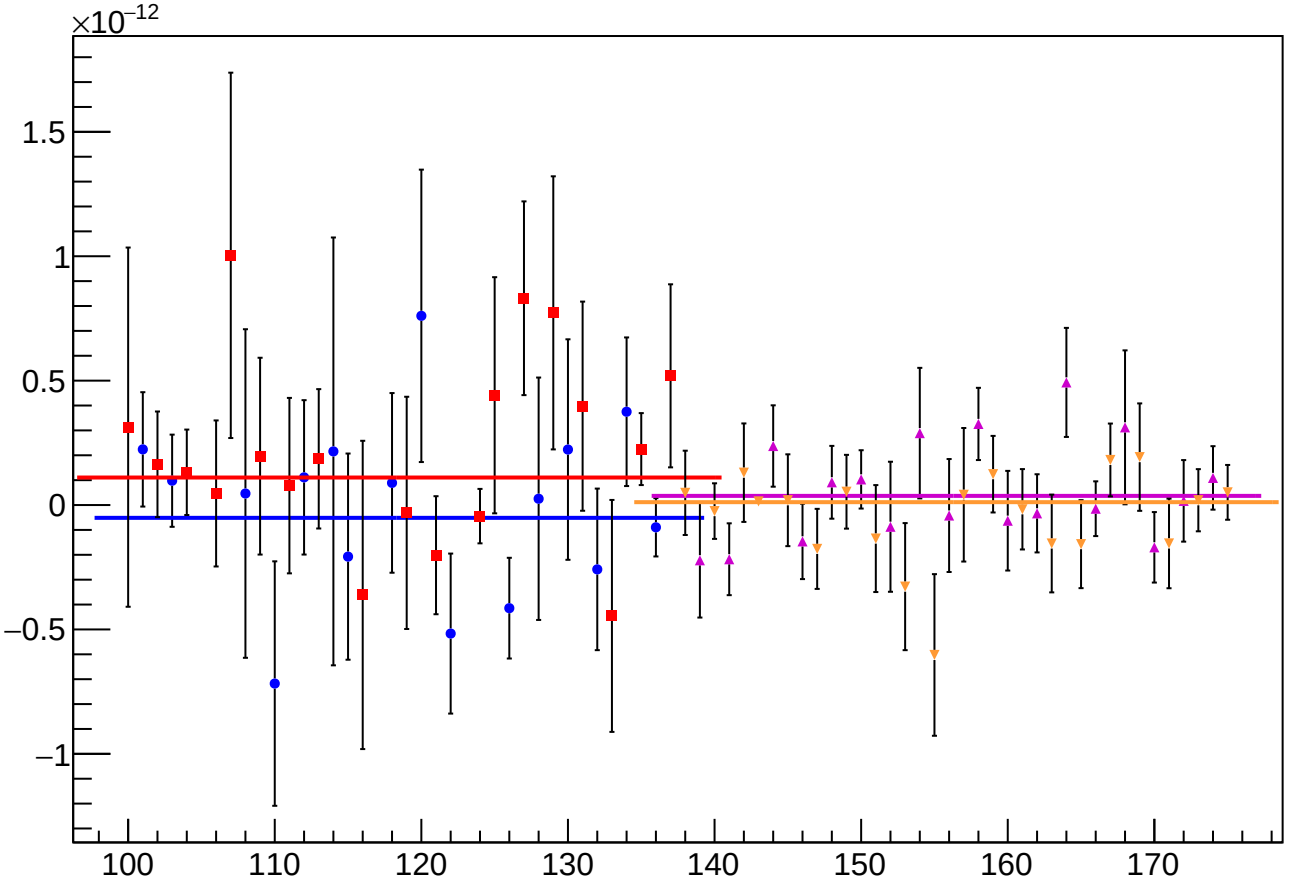
Left In: 591.158+/-0.114 χ^2/NDF:2118253.4/17

+ sign 327.012+/-0.058 χ^2/NDF: 10417435.6/34

All: 318.499+/-0.040 χ^2/NDF: 21350589.9/70

- sign 310.569+/-0.056 χ^2/NDF: 10890983.8/35

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:13.0/19

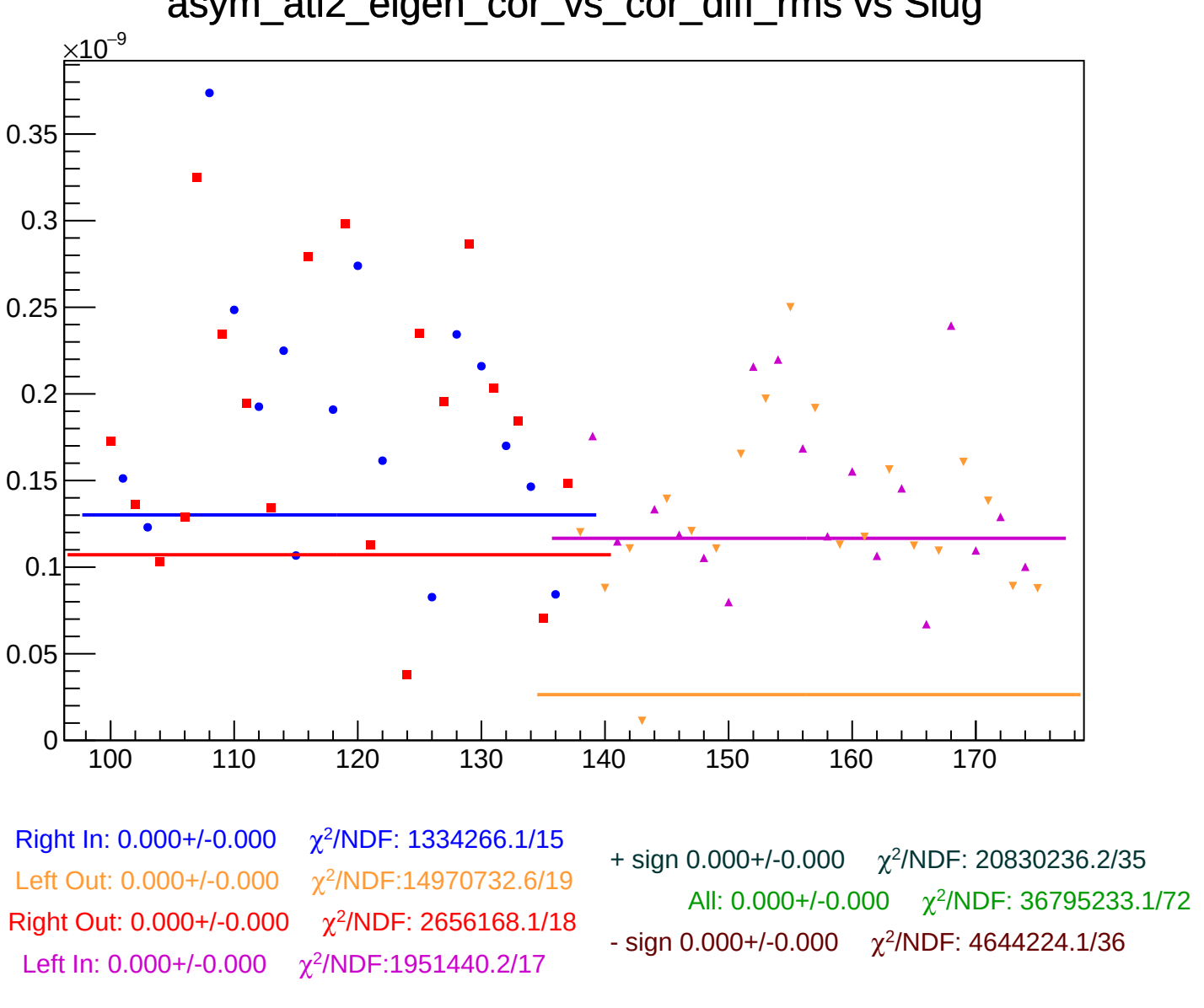
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:21.3/17

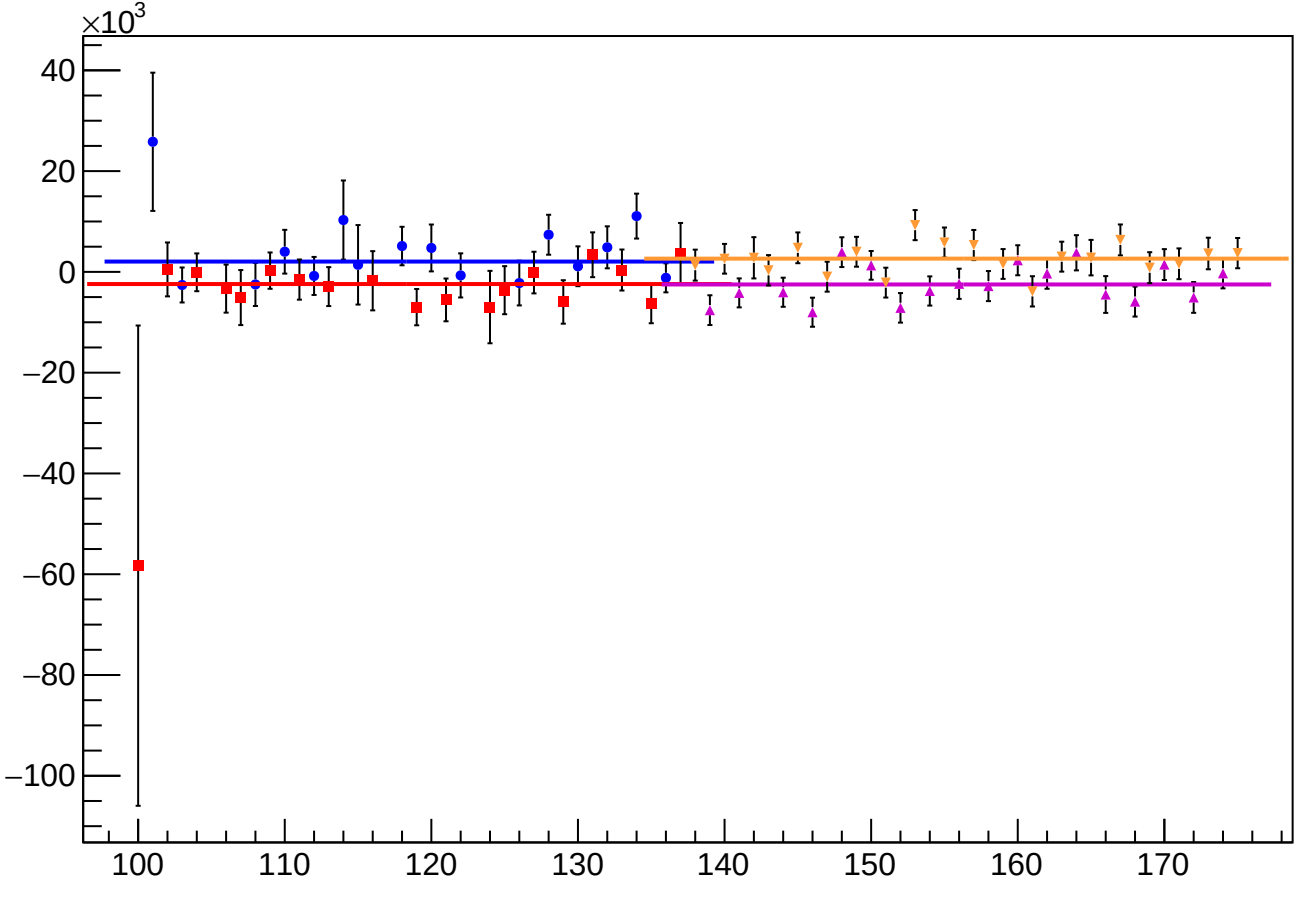
+ sign 0.000+/-0.000 χ^2/NDF: 28.6/35

All: 0.000+/-0.000 χ^2/NDF: 68.4/72

- sign 0.000+/-0.000 χ^2/NDF: 37.7/36


asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1334266.1/15
Left Out: 0.000+/-0.000 χ²/NDF:14970732.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 2656168.1/18
Left In: 0.000+/-0.000 χ²/NDF:1951440.2/17
+ sign 0.000+/-0.000 χ²/NDF: 20830236.2/35
All: 0.000+/-0.000 χ²/NDF: 36795233.1/72
- sign 0.000+/-0.000 χ²/NDF: 4644224.1/36

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2629.596+/-685.824 χ^2/NDF:19.4/19

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

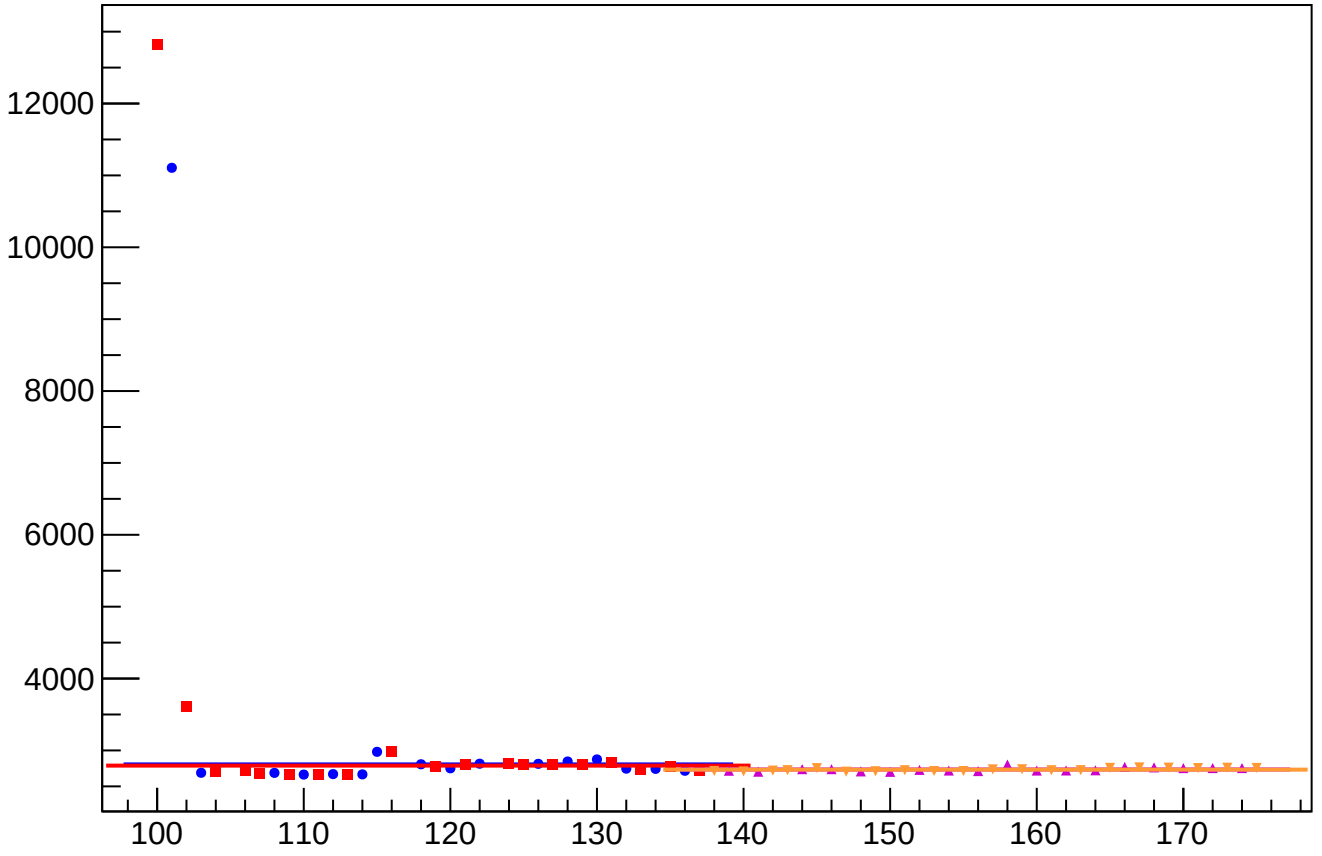
Left In: -2493.353+/-708.941 χ^2/NDF:27.3/17

+ sign 2460.761+/-577.461 χ^2/NDF: 37.4/35

All: 28.553+/-410.957 χ^2/NDF: 111.5/72

- sign -2467.344+/-584.973 χ^2/NDF: 38.1/36

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2732.695+/-0.485 χ^2/NDF:1677.8/19

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

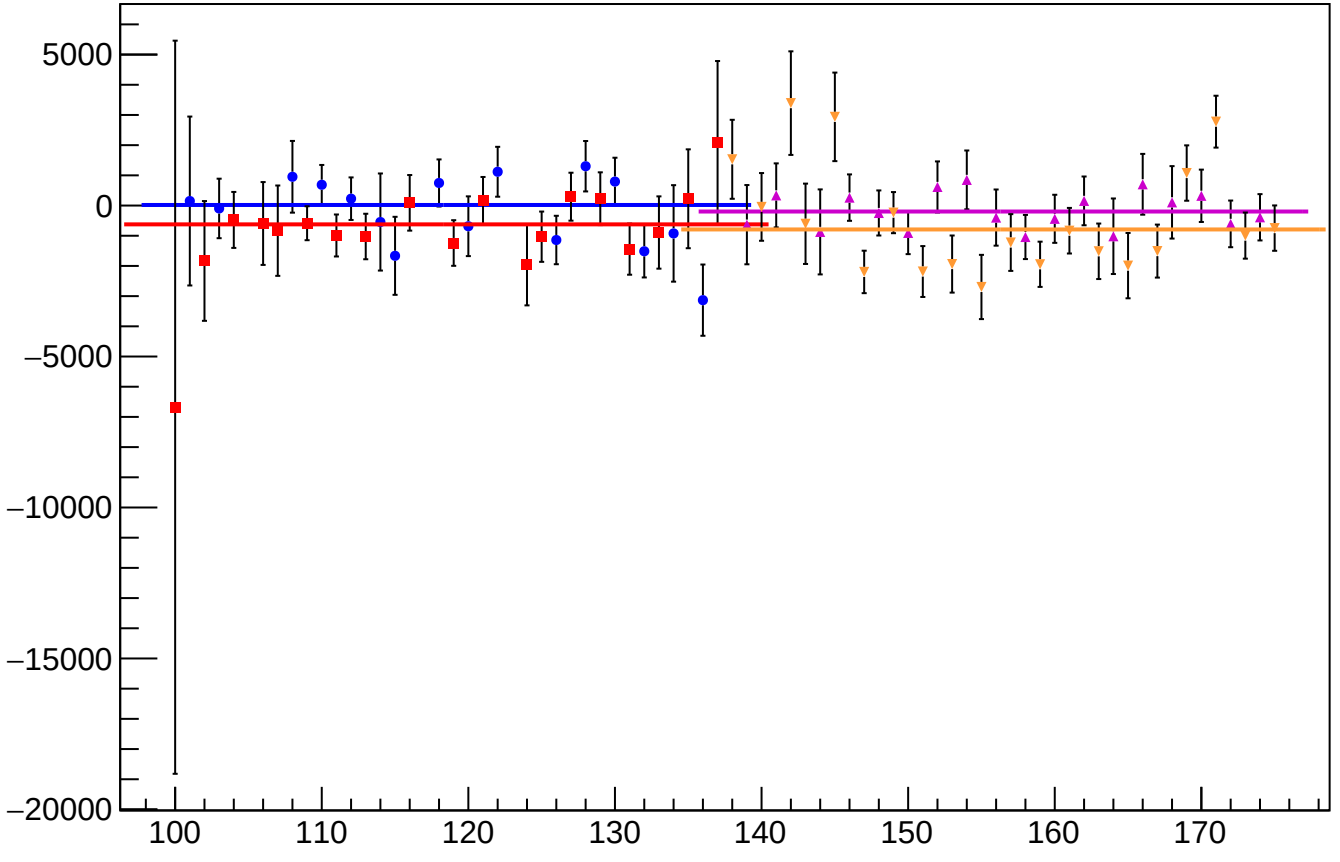
Left In: 2734.859+/-0.501 χ^2/NDF:2698.1/17

+ sign 2753.869+/-0.408 χ^2/NDF: 754468.3/35

All: 2752.986+/-0.291 χ^2/NDF: 907872.1/72

- sign 2752.081+/-0.414 χ^2/NDF: 153394.4/36

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -791.625+/-202.538 χ^2/NDF:54.7/19

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

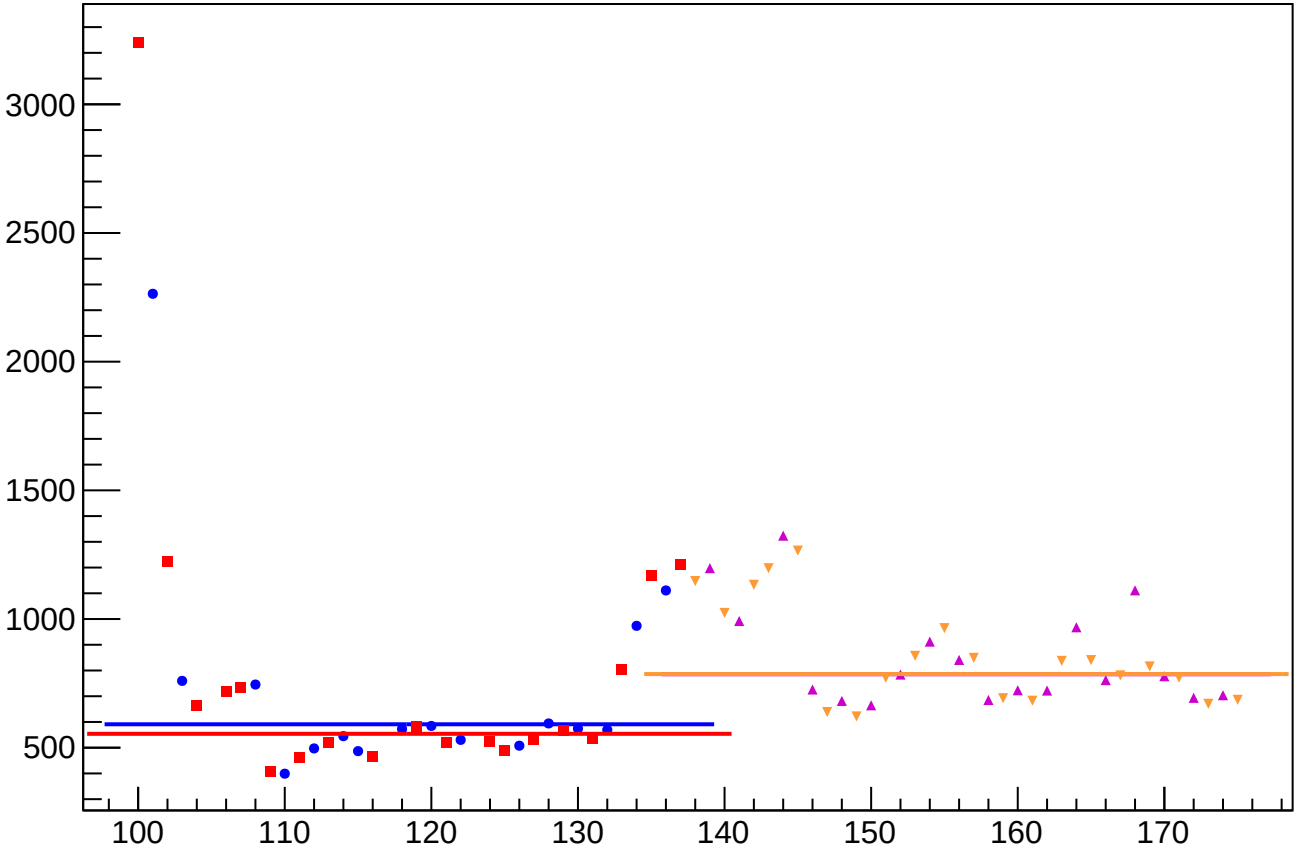
Left In: -197.921+/-208.039 χ^2/NDF:7.7/17

+ sign -443.563+/-152.995 χ^2/NDF: 84.3/35

All: -422.645+/-107.045 χ^2/NDF: 103.4/72

- sign -402.585+/-149.824 χ^2/NDF: 19.0/36

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 786.146+/-0.143 χ^2/NDF:1175404.0/19

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

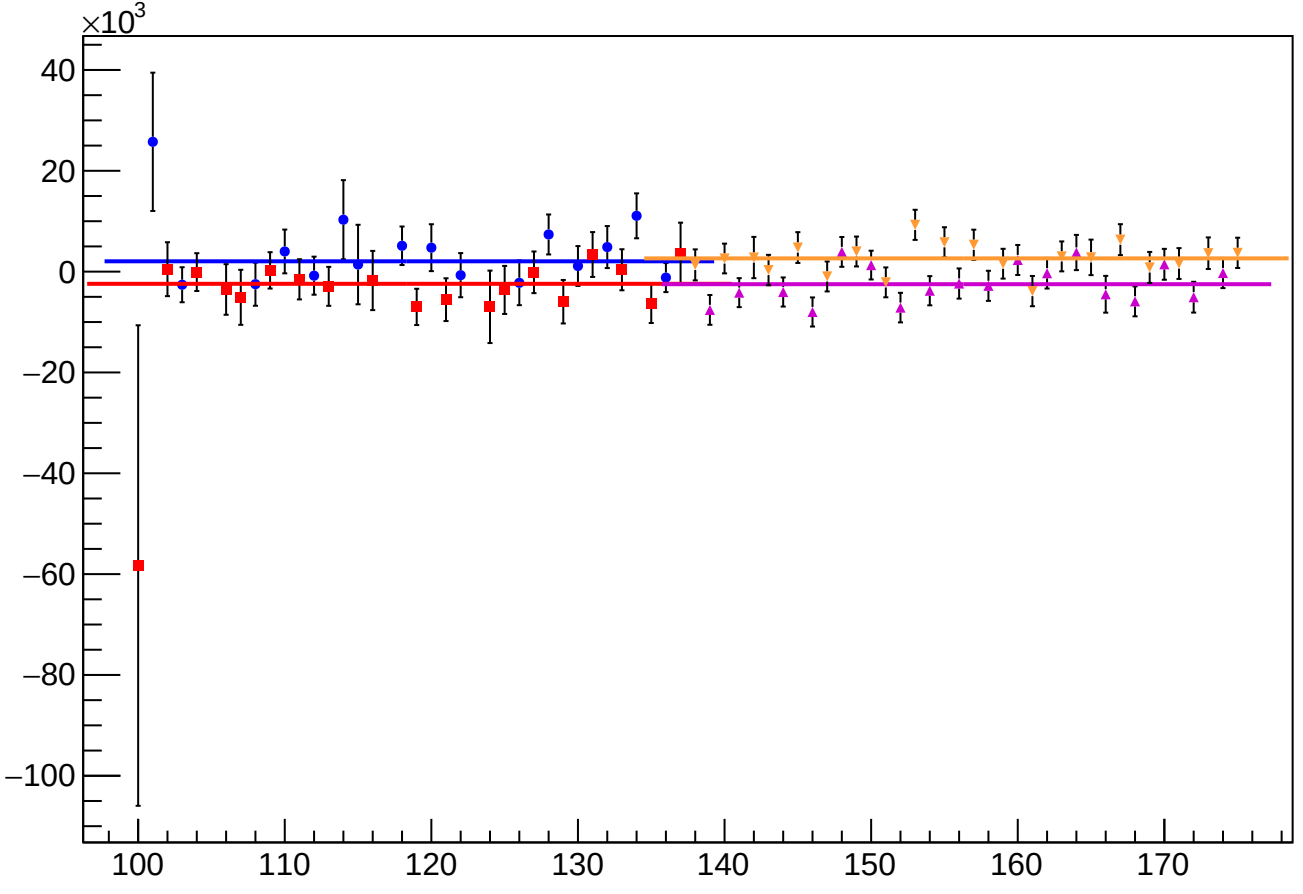
Left In: 785.340+/-0.147 χ^2/NDF:1020635.0/17

+ sign 702.371+/-0.108 χ^2/NDF: 3539955.9/35

All: 687.876+/-0.076 χ^2/NDF: 6903300.7/72

- sign 673.976+/-0.106 χ^2/NDF: 3328178.1/36

cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2629.605+/-685.824 χ^2/NDF:19.4/19

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

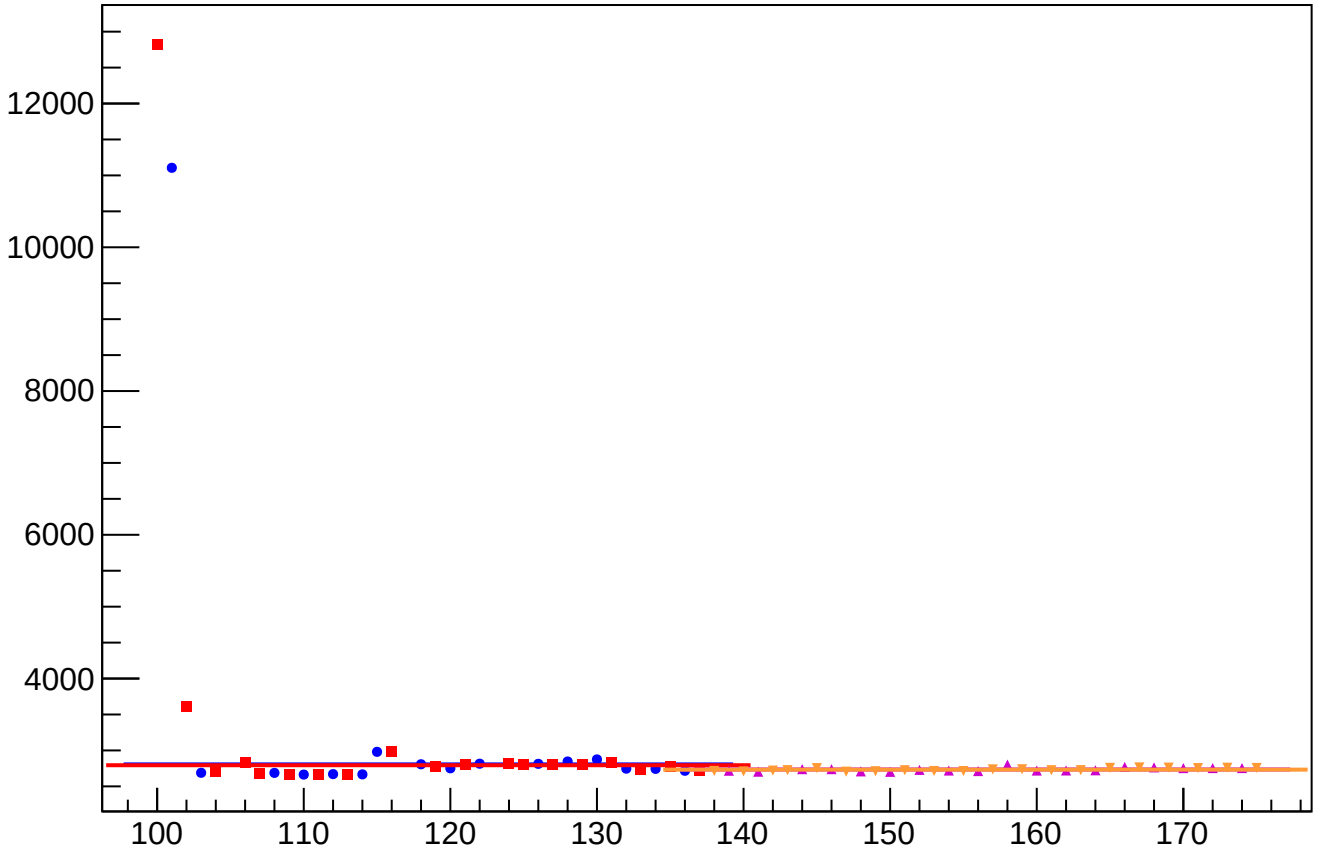
Left In: -2493.419+/-708.941 χ^2/NDF:27.3/17

+ sign 2460.533+/-577.461 χ^2/NDF: 37.4/35

All: 29.232+/-411.105 χ^2/NDF: 111.4/72

- sign -2469.396+/-585.402 χ^2/NDF: 38.1/36

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2732.695+/-0.485 χ^2/NDF:1677.8/19

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

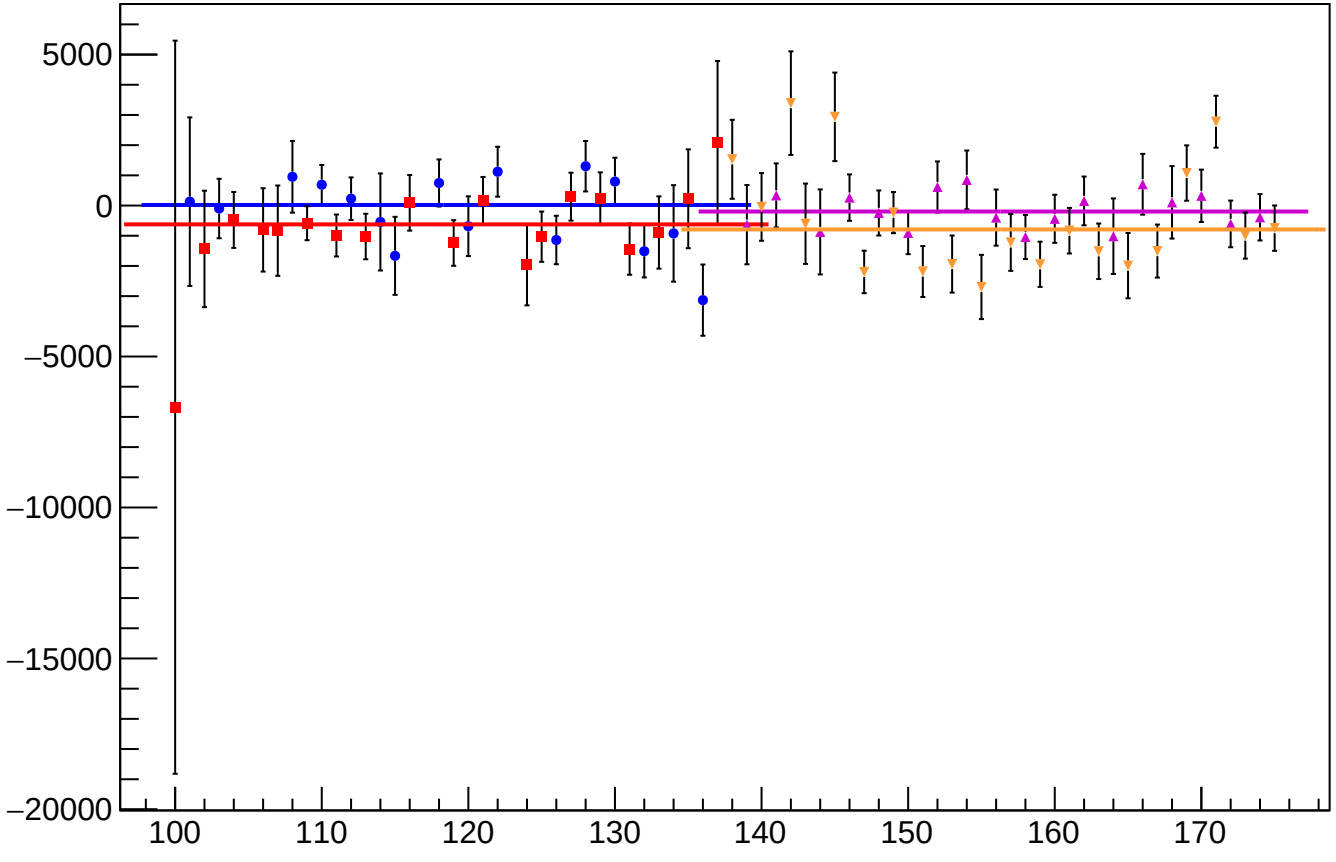
Left In: 2734.859+/-0.501 χ^2/NDF:2698.1/17

+ sign 2753.869+/-0.408 χ^2/NDF: 754467.4/35

All: 2753.798+/-0.291 χ^2/NDF: 908361.5/72

- sign 2753.725+/-0.414 χ^2/NDF: 153894.0/36

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -791.587+/-202.537 χ^2/NDF:54.7/19

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

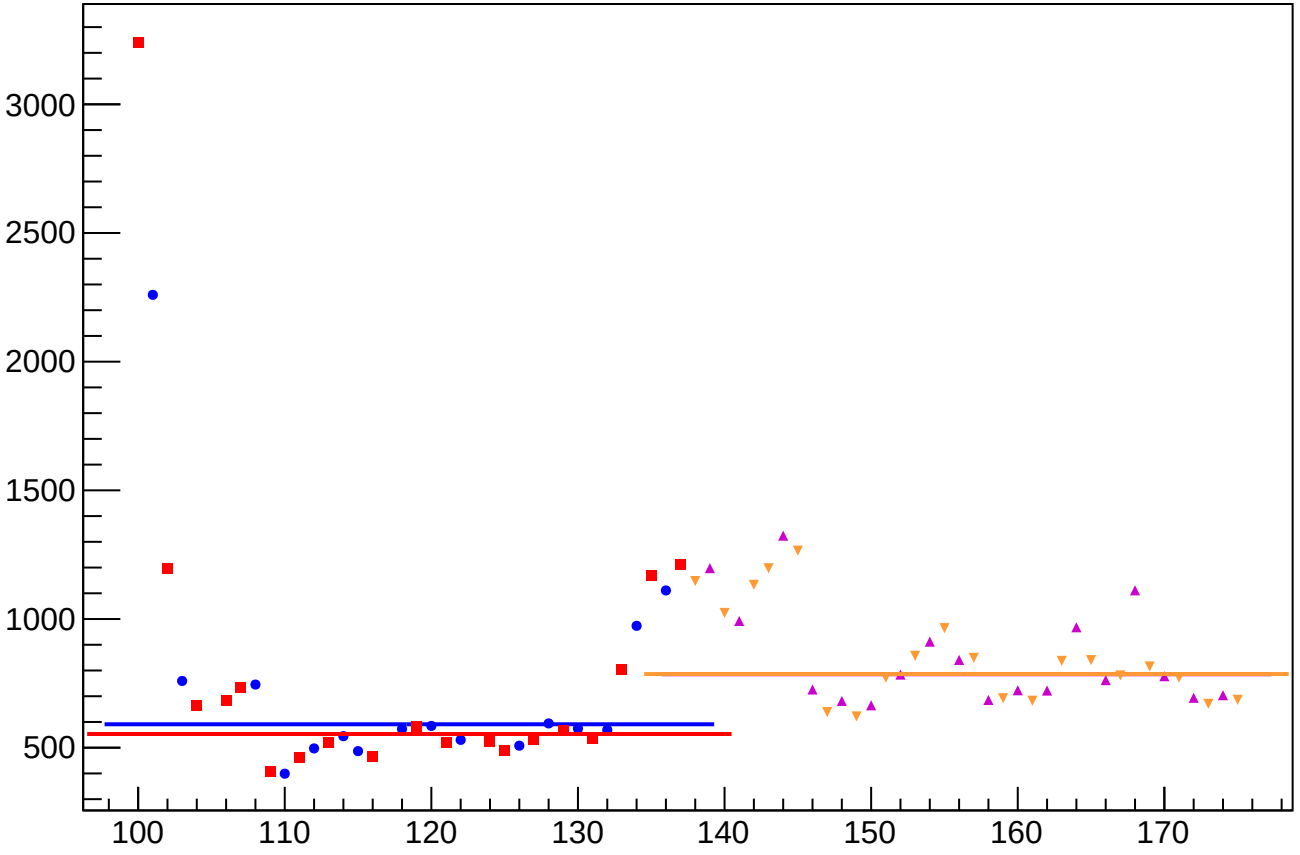
Left In: -198.033+/-208.040 χ^2/NDF:7.7/17

+ sign -443.541+/-152.992 χ^2/NDF: 84.3/35

All: -422.959+/-107.038 χ^2/NDF: 103.2/72

- sign -403.224+/-149.809 χ^2/NDF: 18.8/36

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 786.140+/-0.143 χ^2/NDF:1175416.9/19

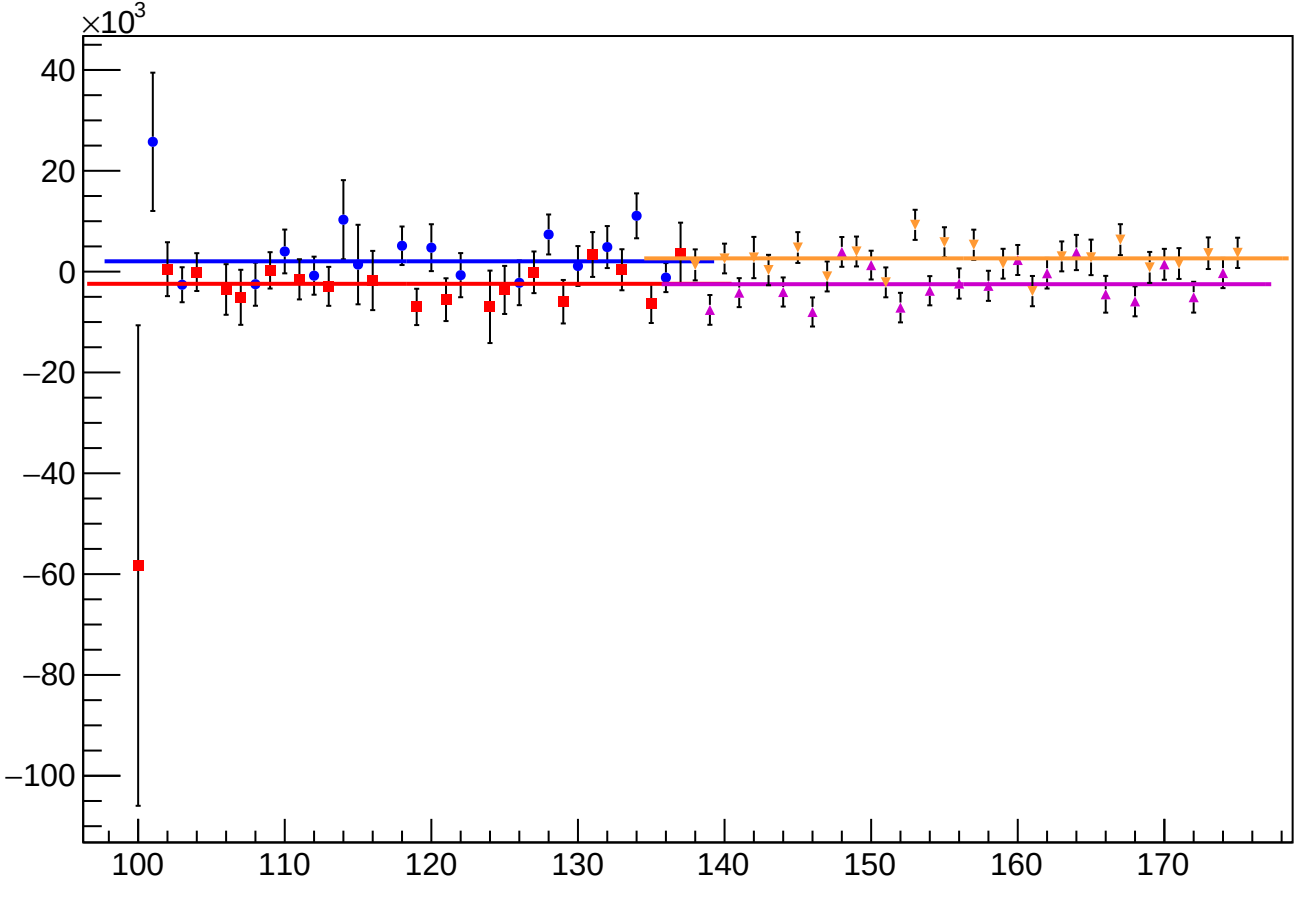
Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 785.344+/-0.147 χ^2/NDF:1020558.8/17

+ sign 702.362+/-0.108 χ^2/NDF: 3538957.1/35

All: 687.675+/-0.076 χ^2/NDF: 6895926.5/72

- sign 673.592+/-0.106 χ^2/NDF: 3320861.7/36



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2629.605+/-685.824 χ^2/NDF:19.4/19

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

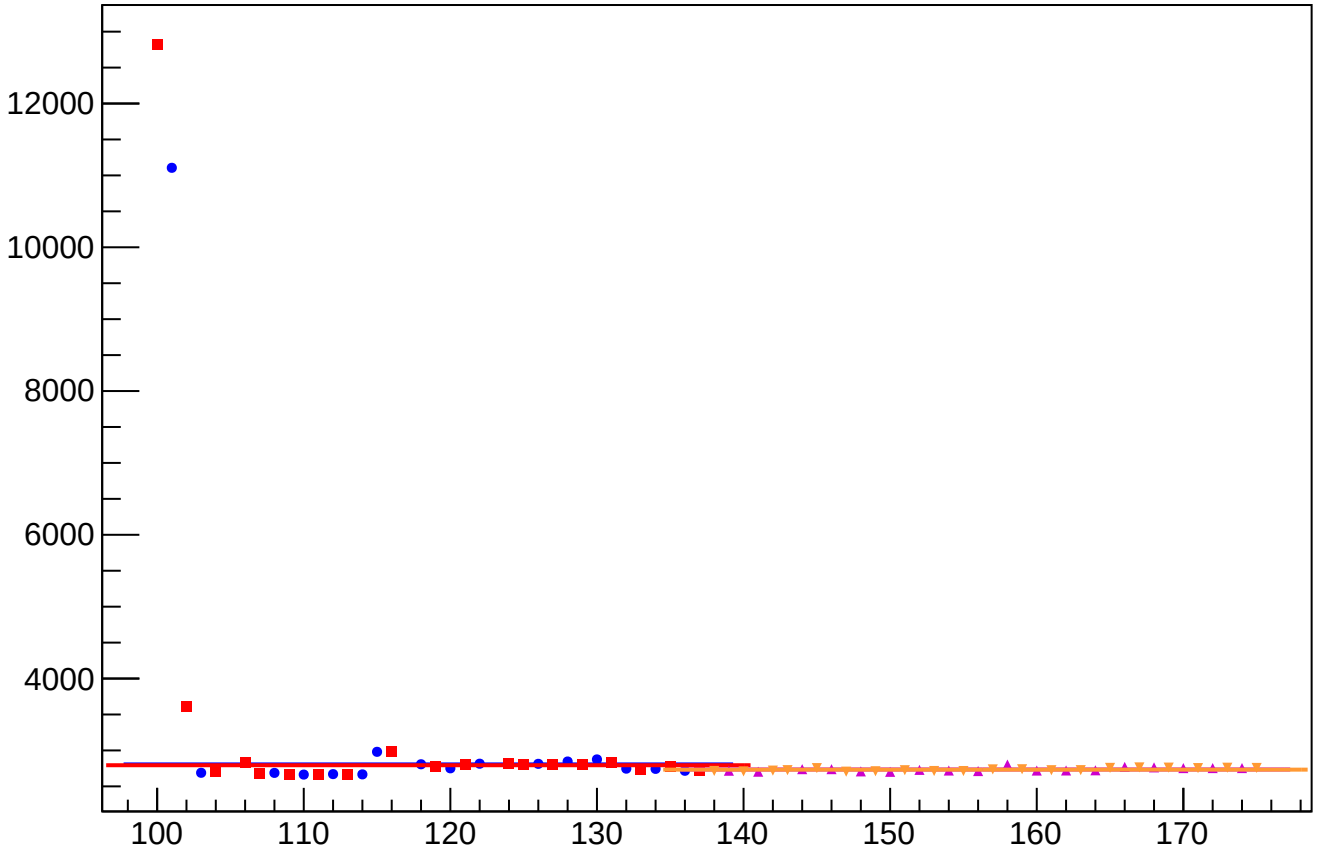
Left In: -2493.419+/-708.941 χ^2/NDF:27.3/17

+ sign 2460.533+/-577.461 χ^2/NDF: 37.4/35

All: 29.232+/-411.105 χ^2/NDF: 111.4/72

- sign -2469.396+/-585.402 χ^2/NDF: 38.1/36

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2732.695+/-0.485 χ^2/NDF:1677.8/19

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

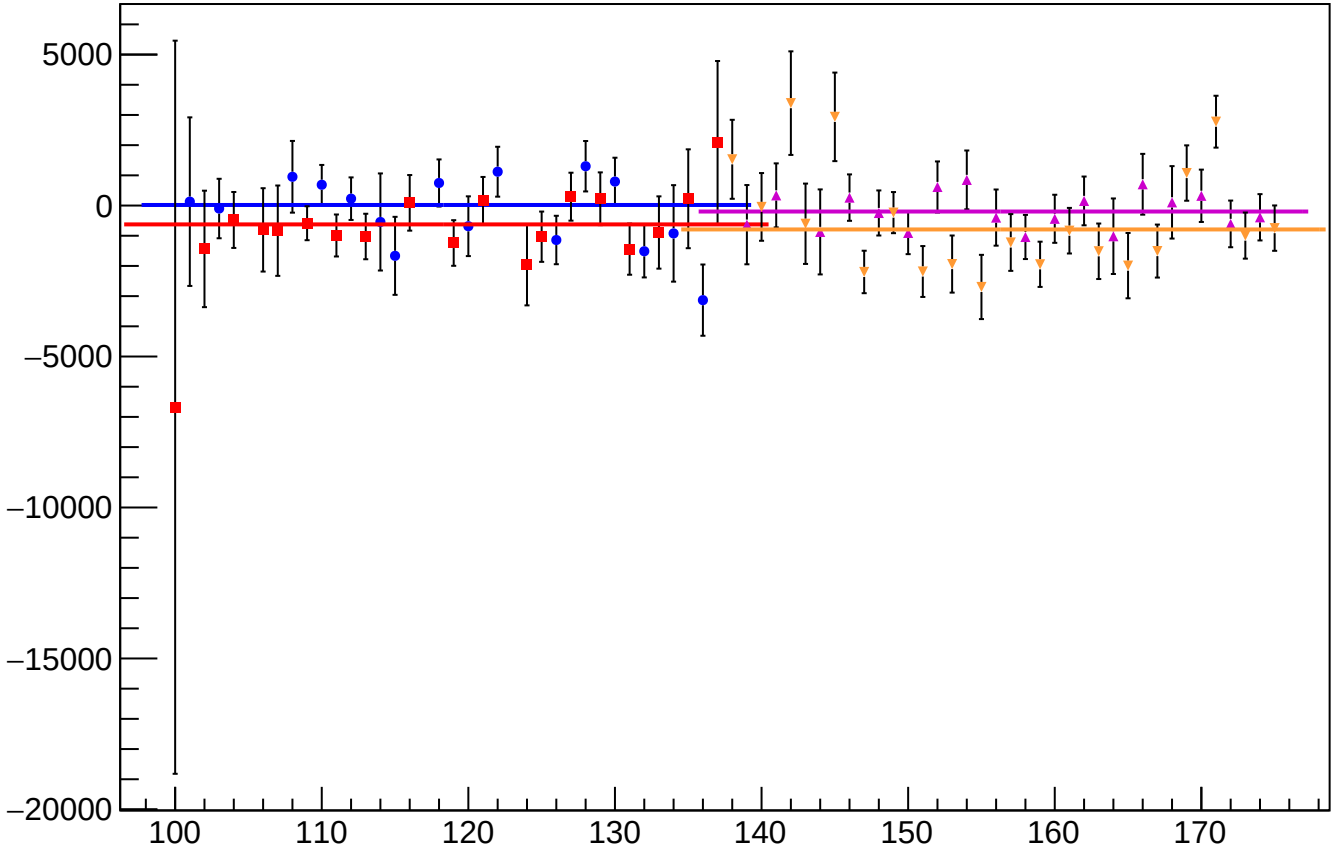
Left In: 2734.859+/-0.501 χ^2/NDF:2698.1/17

+ sign 2753.869+/-0.408 χ^2/NDF: 754467.4/35

All: 2753.798+/-0.291 χ^2/NDF: 908361.5/72

- sign 2753.725+/-0.414 χ^2/NDF: 153894.0/36

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -791.587+/-202.537 χ^2/NDF:54.7/19

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

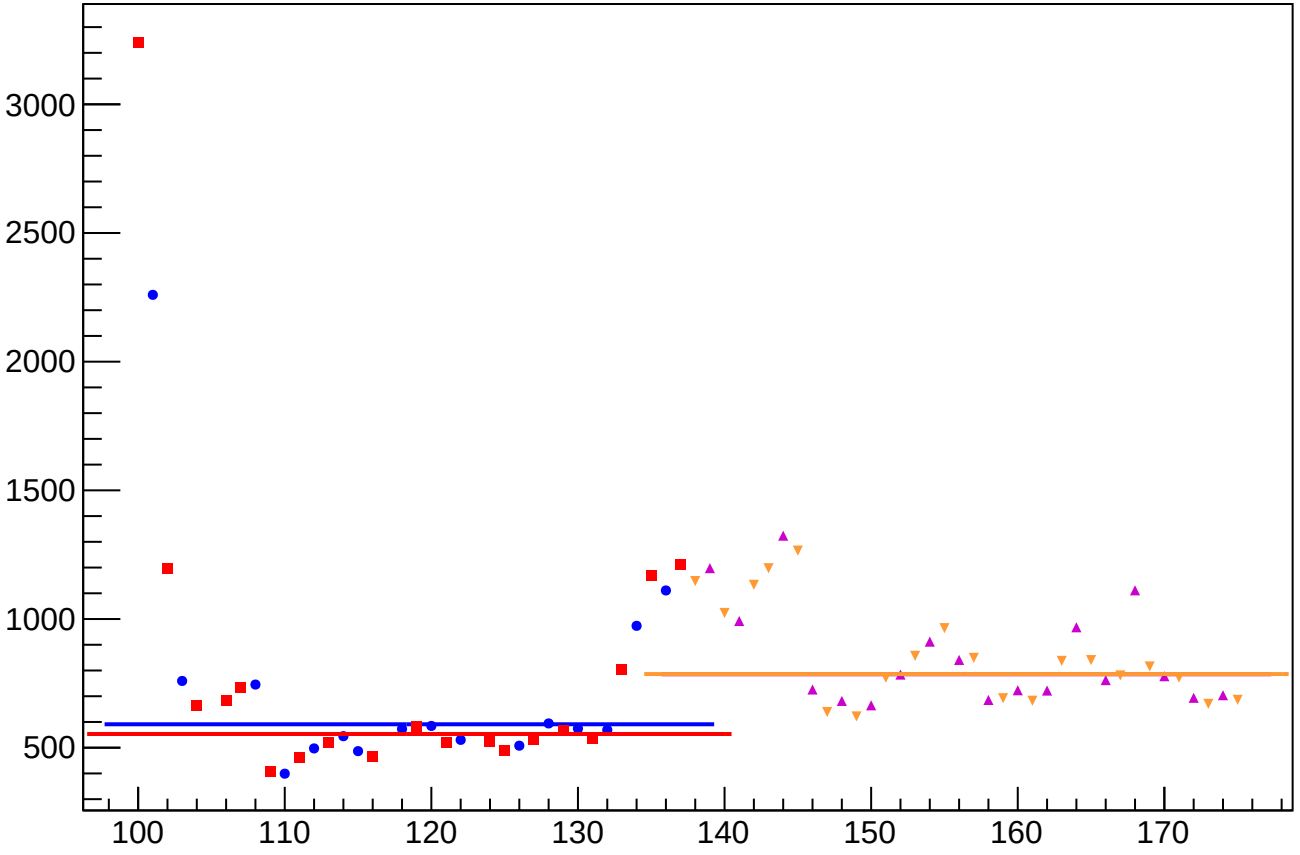
Left In: -198.033+/-208.040 χ^2/NDF:7.7/17

\+ sign -443.541+/-152.992 χ^2/NDF: 84.3/35

All: -422.959+/-107.038 χ^2/NDF: 103.2/72

\- sign -403.224+/-149.809 χ^2/NDF: 18.8/36

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 786.140+/-0.143 χ^2/NDF:1175416.9/19

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

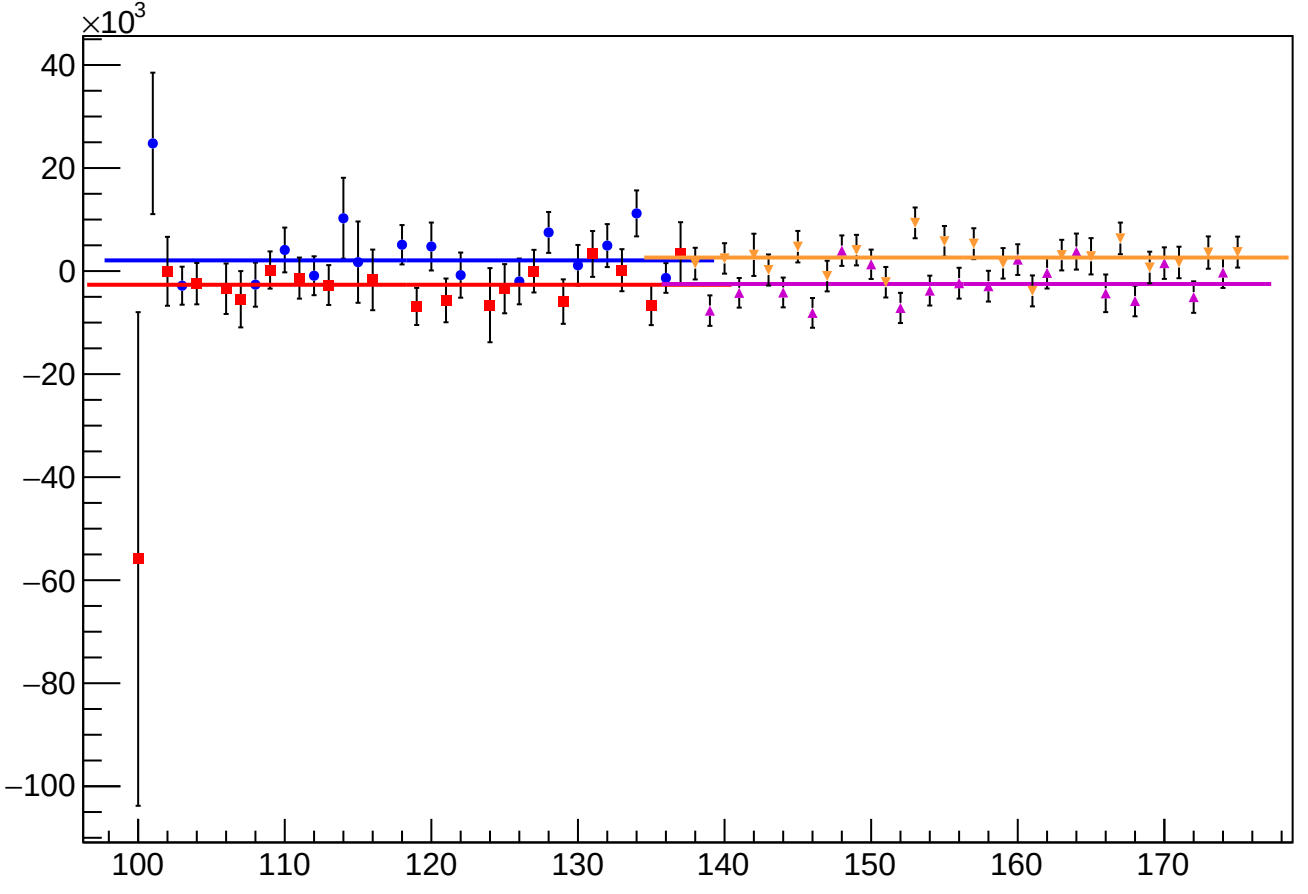
Left In: 785.344+/-0.147 χ^2/NDF:1020558.8/17

+ sign 702.362+/-0.108 χ^2/NDF: 3538957.1/35

All: 687.675+/-0.076 χ^2/NDF: 6895926.5/72

- sign 673.592+/-0.106 χ^2/NDF: 3320861.7/36

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2623.849+/-686.275 χ^2/NDF:19.6/19

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

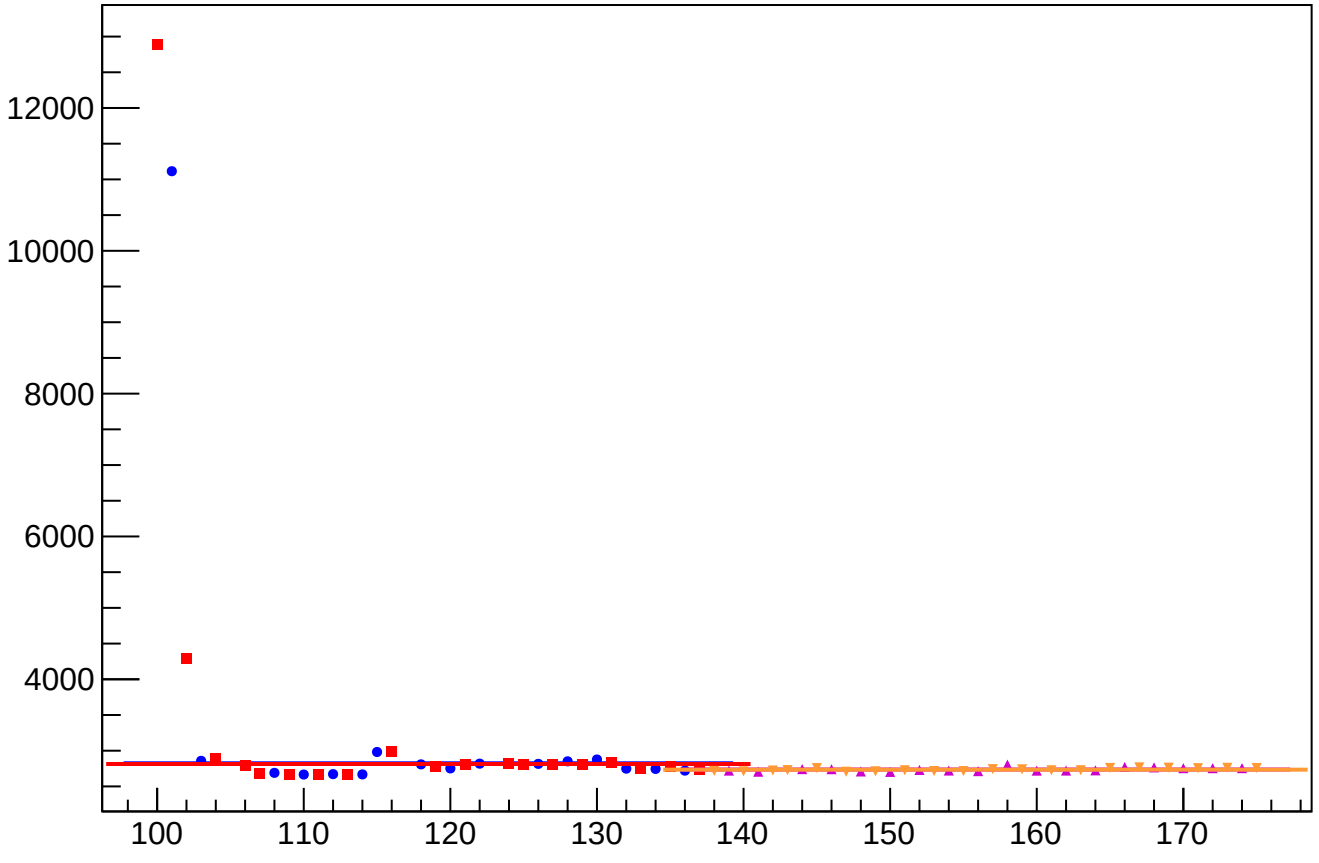
Left In: -2506.741+/-709.344 χ^2/NDF:27.6/17

+ sign 2465.323+/-578.790 χ^2/NDF: 37.6/35

All: -5.706+/-412.402 χ^2/NDF: 112.2/72

- sign -2553.930+/-587.762 χ^2/NDF: 37.5/36

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2734.489+/-0.485 χ^2/NDF:1684.2/19

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

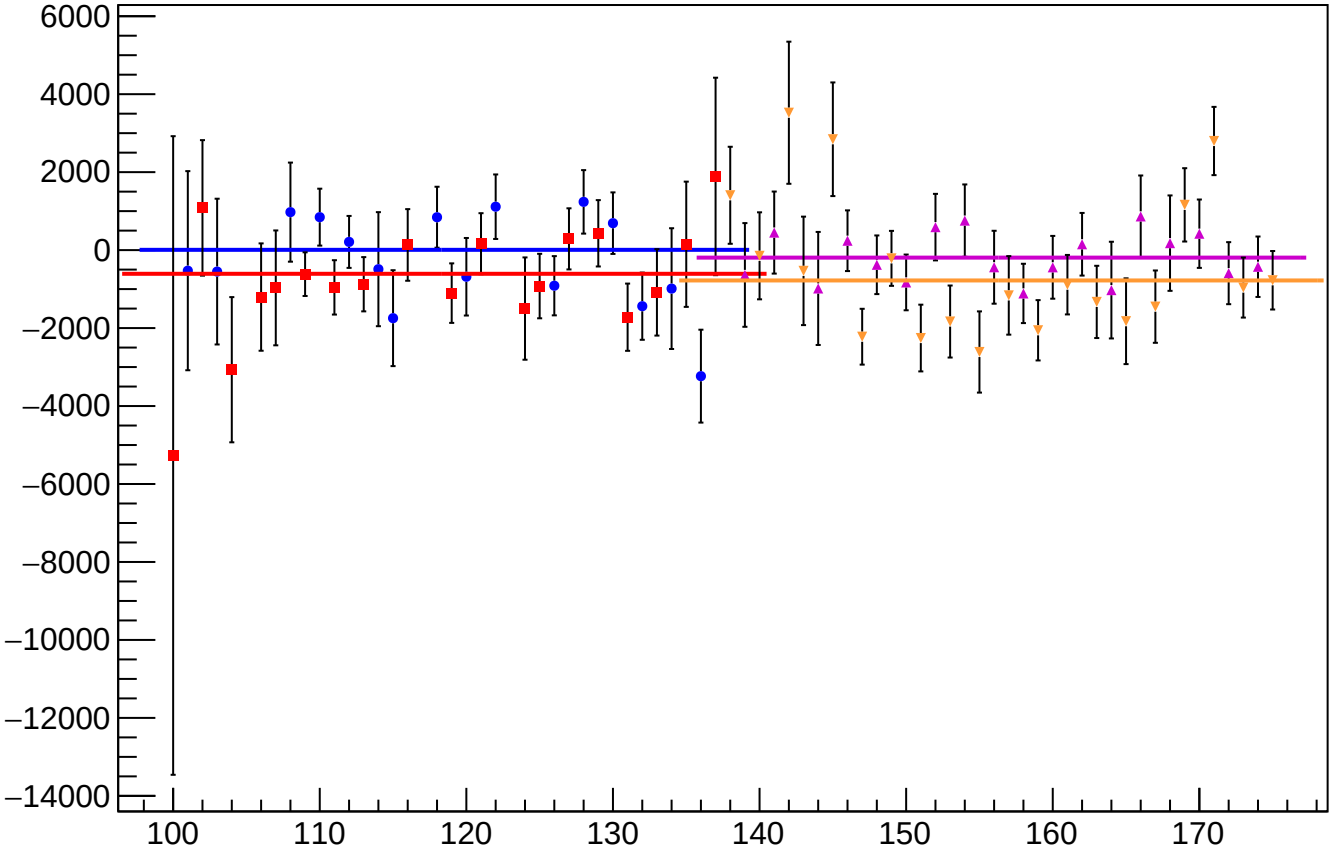
Left In: 2736.409+/-0.502 χ^2/NDF:2703.0/17

+ sign 2760.173+/-0.409 χ^2/NDF: 755302.6/35

All: 2760.418+/-0.292 χ^2/NDF: 965983.9/72

- sign 2760.672+/-0.416 χ^2/NDF: 210680.6/36

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -778.381+/-205.920 χ^2/NDF:53.0/19

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

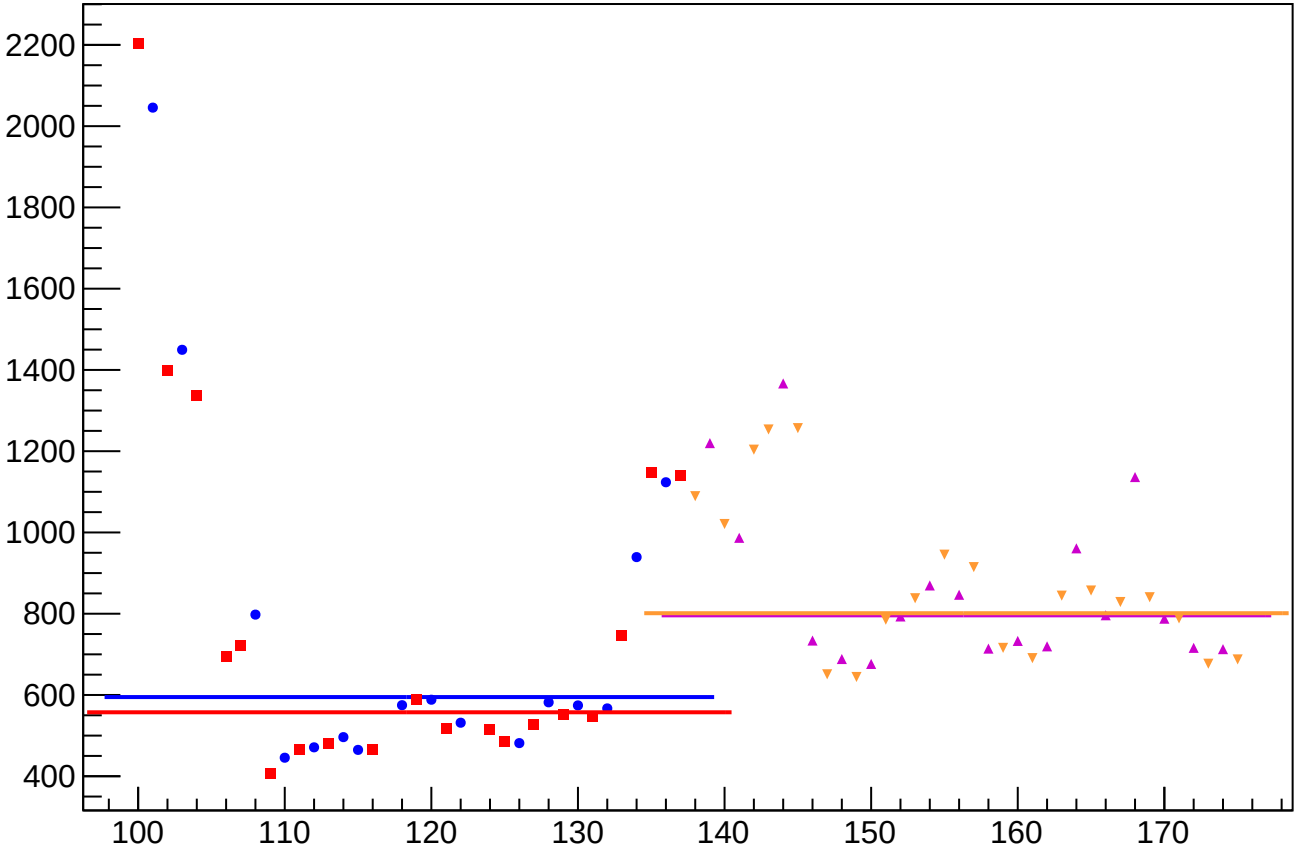
Left In: -192.652+/-210.426 χ^2/NDF:8.0/17

+ sign -441.249+/-155.571 χ^2/NDF: 82.0/35

All: -416.770+/-108.388 χ^2/NDF: 104.1/72

- sign -393.679+/-151.096 χ^2/NDF: 22.1/36

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 801.253+/-0.146 χ^2/NDF:1123132.9/19

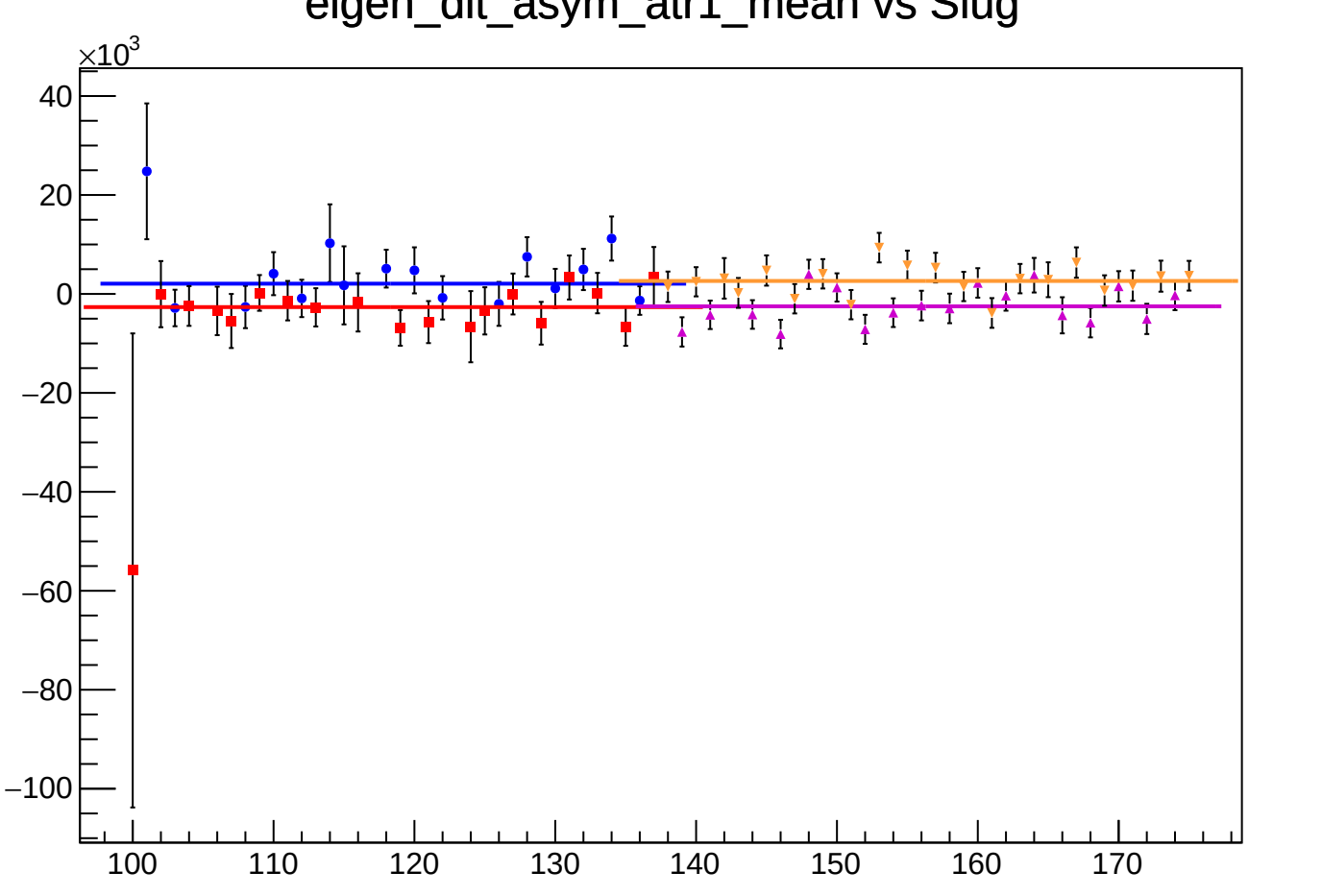
Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 795.990+/-0.149 χ^2/NDF:993649.3/17

+ sign 712.661+/-0.110 χ^2/NDF: 3838223.1/35

All: 696.067+/-0.077 χ^2/NDF: 7752944.4/72

- sign 680.413+/-0.107 χ^2/NDF: 3870499.3/36



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2623.850+/-686.275 χ^2/NDF:19.6/19

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

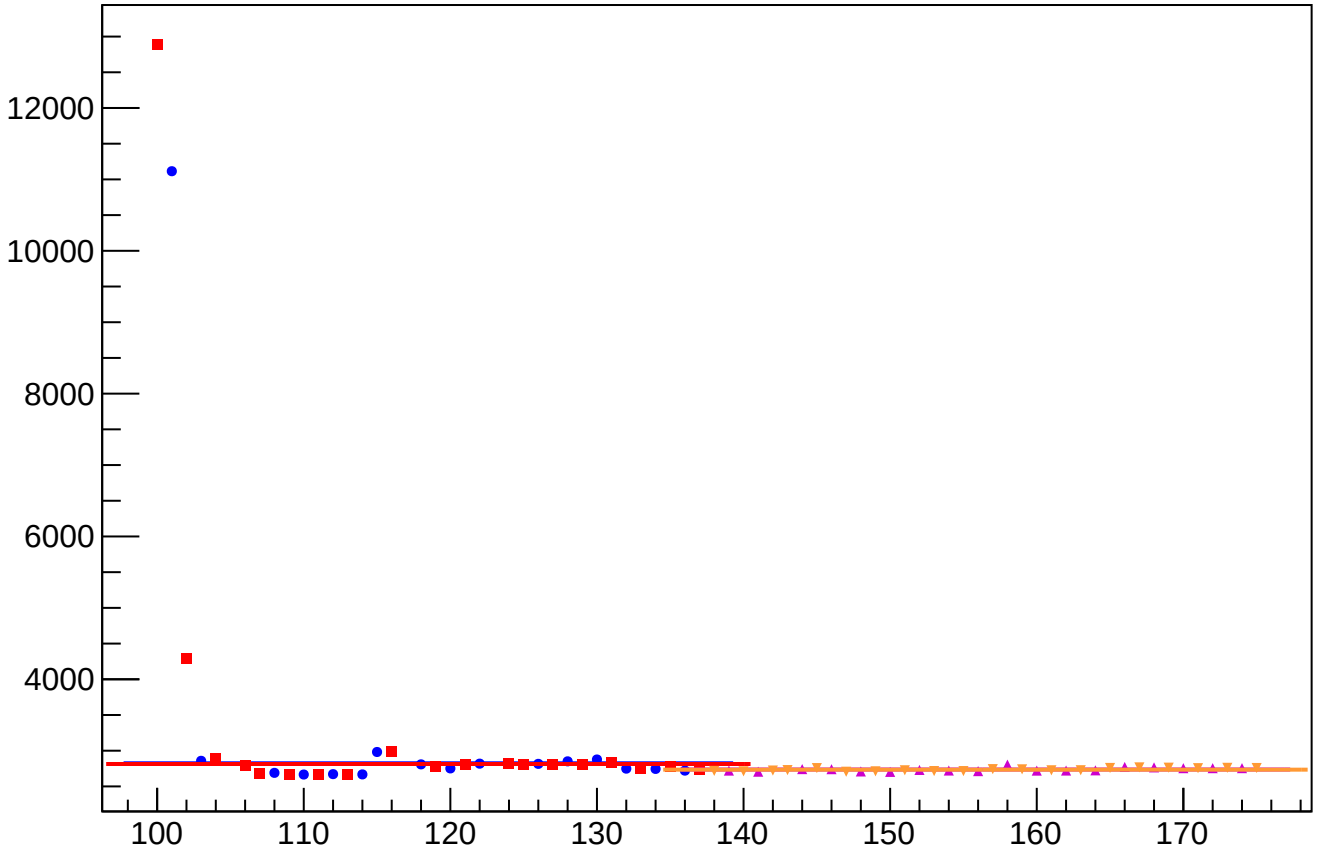
Left In: -2506.741+/-709.344 χ^2/NDF:27.6/17

+ sign 2465.323+/-578.790 χ^2/NDF: 37.6/35

All: -5.706+/-412.402 χ^2/NDF: 112.2/72

- sign -2553.930+/-587.762 χ^2/NDF: 37.5/36

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2734.489+/-0.485 χ^2/NDF:1684.2/19

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

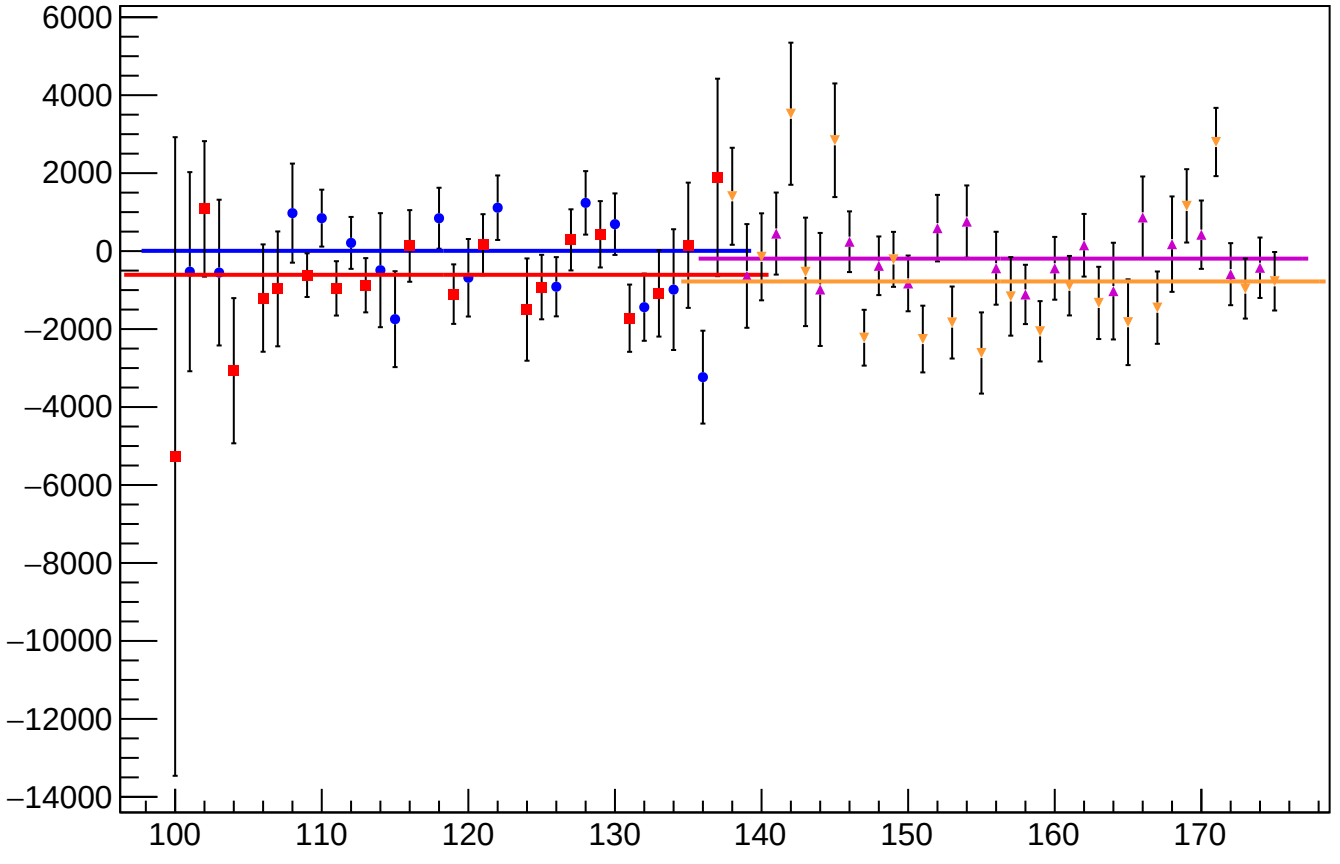
Left In: 2736.409+/-0.502 χ^2/NDF:2703.0/17

+ sign 2760.173+/-0.409 χ^2/NDF: 755302.5/35

All: 2760.418+/-0.292 χ^2/NDF: 965983.6/72

- sign 2760.672+/-0.416 χ^2/NDF: 210680.4/36

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -778.382+/-205.920 χ^2/NDF:53.0/19

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

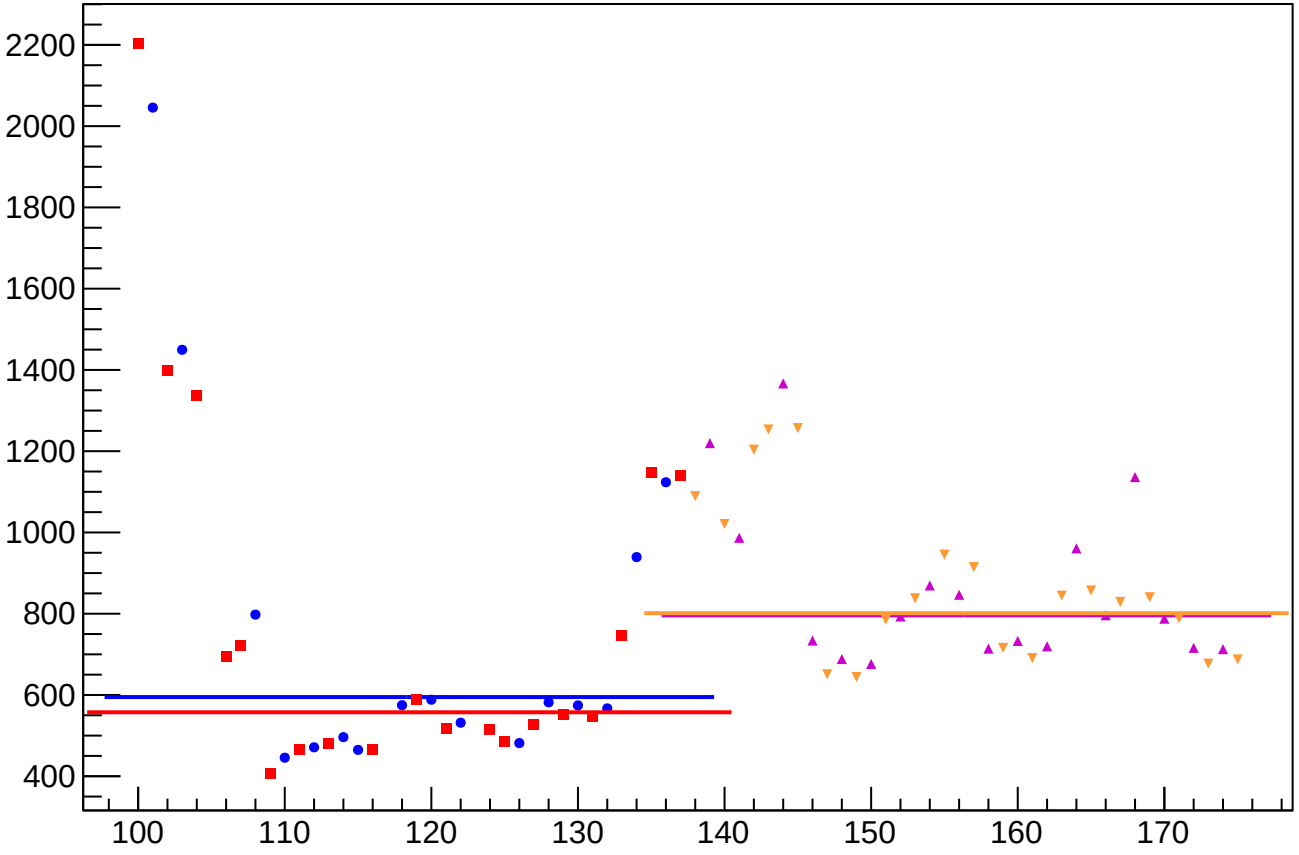
Left In: -192.653+/-210.426 χ^2/NDF:8.0/17

+ sign -441.250+/-155.571 χ^2/NDF: 82.0/35

All: -416.771+/-108.388 χ^2/NDF: 104.1/72

- sign -393.680+/-151.096 χ^2/NDF: 22.1/36

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 801.253+/-0.146 χ^2/NDF:1123135.7/19

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

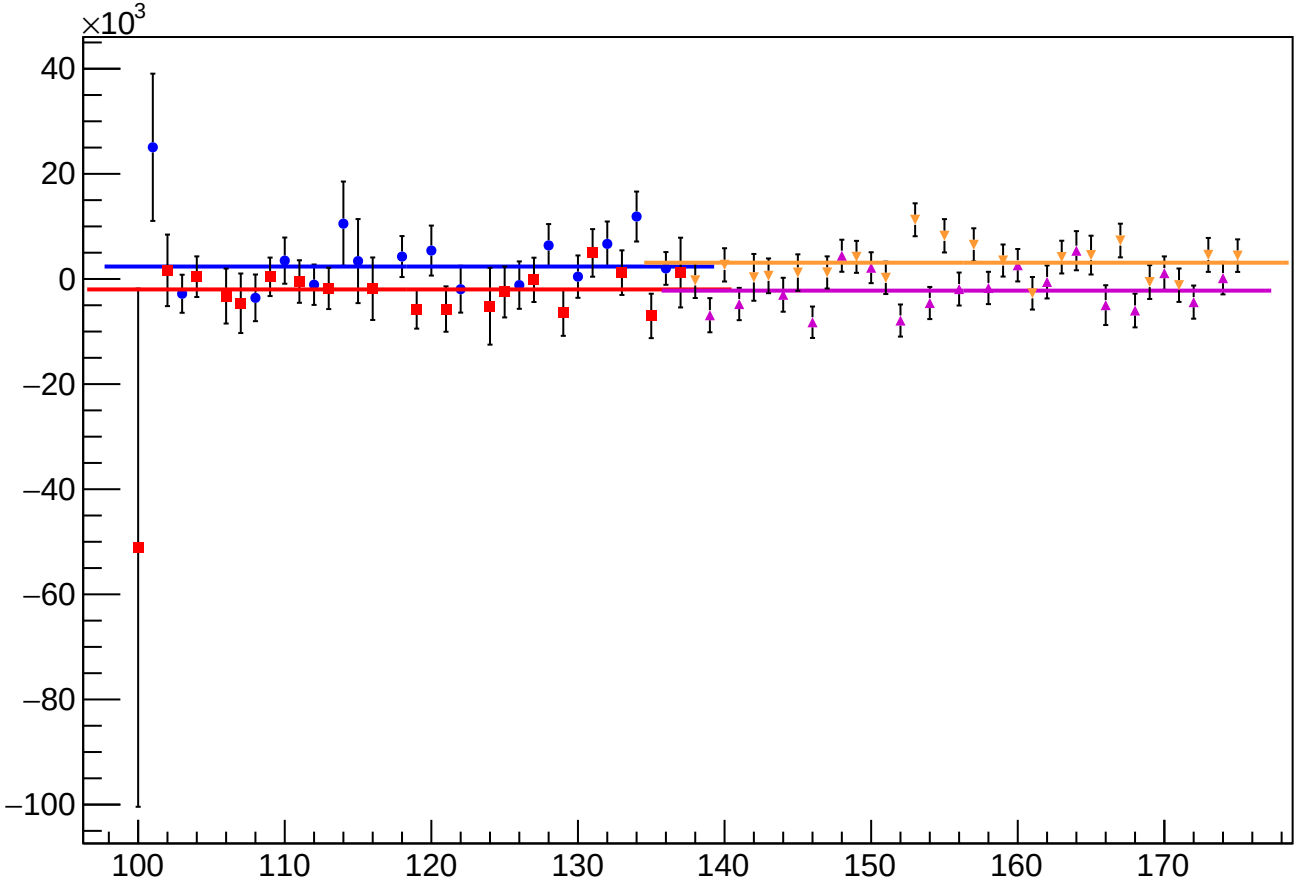
Left In: 795.990+/-0.149 χ^2/NDF:993653.0/17

+ sign 712.662+/-0.110 χ^2/NDF: 3838217.2/35

All: 696.067+/-0.077 χ^2/NDF: 7752937.7/72

- sign 680.414+/-0.107 χ^2/NDF: 3870497.9/36

asym_atr1_mean vs Slug



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3098.244+/-722.221 χ^2/NDF:23.3/19

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

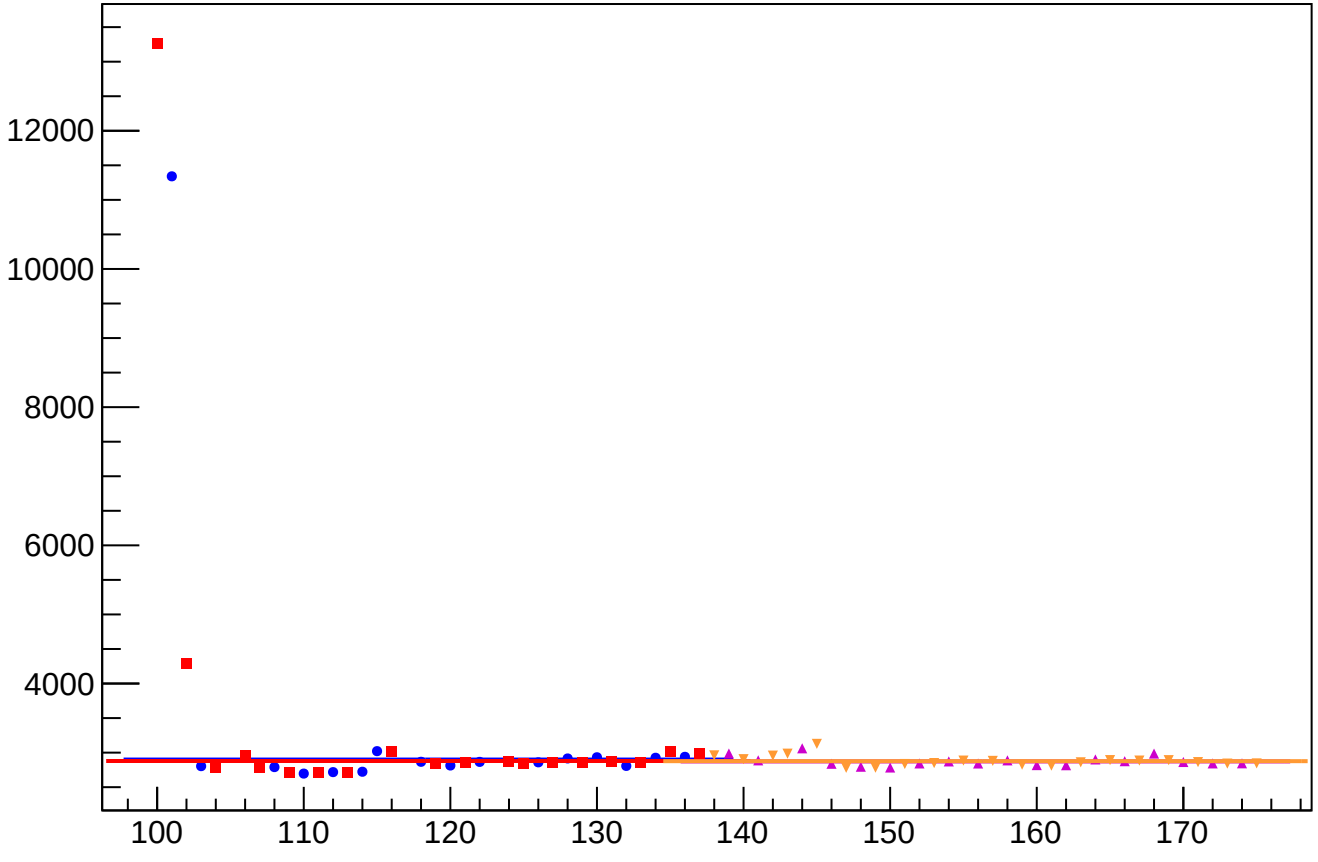
Left In: -2216.083+/-744.886 χ^2/NDF:28.9/17

+ sign 2879.754+/-604.744 χ^2/NDF: 40.4/35

All: 400.237+/-430.273 χ^2/NDF: 113.7/72

- sign -2141.813+/-612.322 χ^2/NDF: 39.2/36

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2876.431+/-0.511 χ^2/NDF:21128.1/19

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

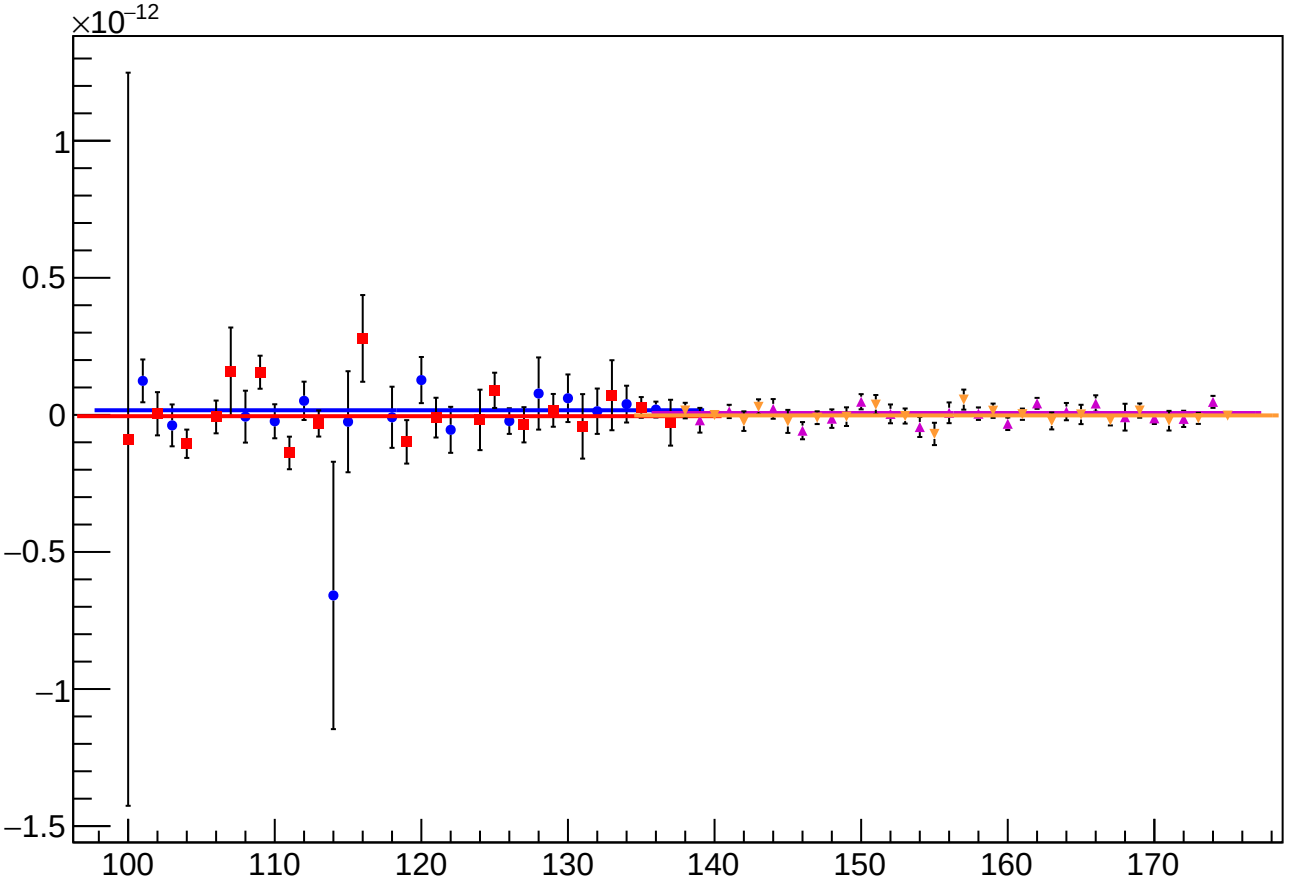
Left In: 2872.586+/-0.527 χ^2/NDF:17337.2/17

+ sign 2883.424+/-0.428 χ^2/NDF: 763573.5/35

All: 2879.092+/-0.304 χ^2/NDF: 974448.3/72

- sign 2874.652+/-0.433 χ^2/NDF: 210667.1/36

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

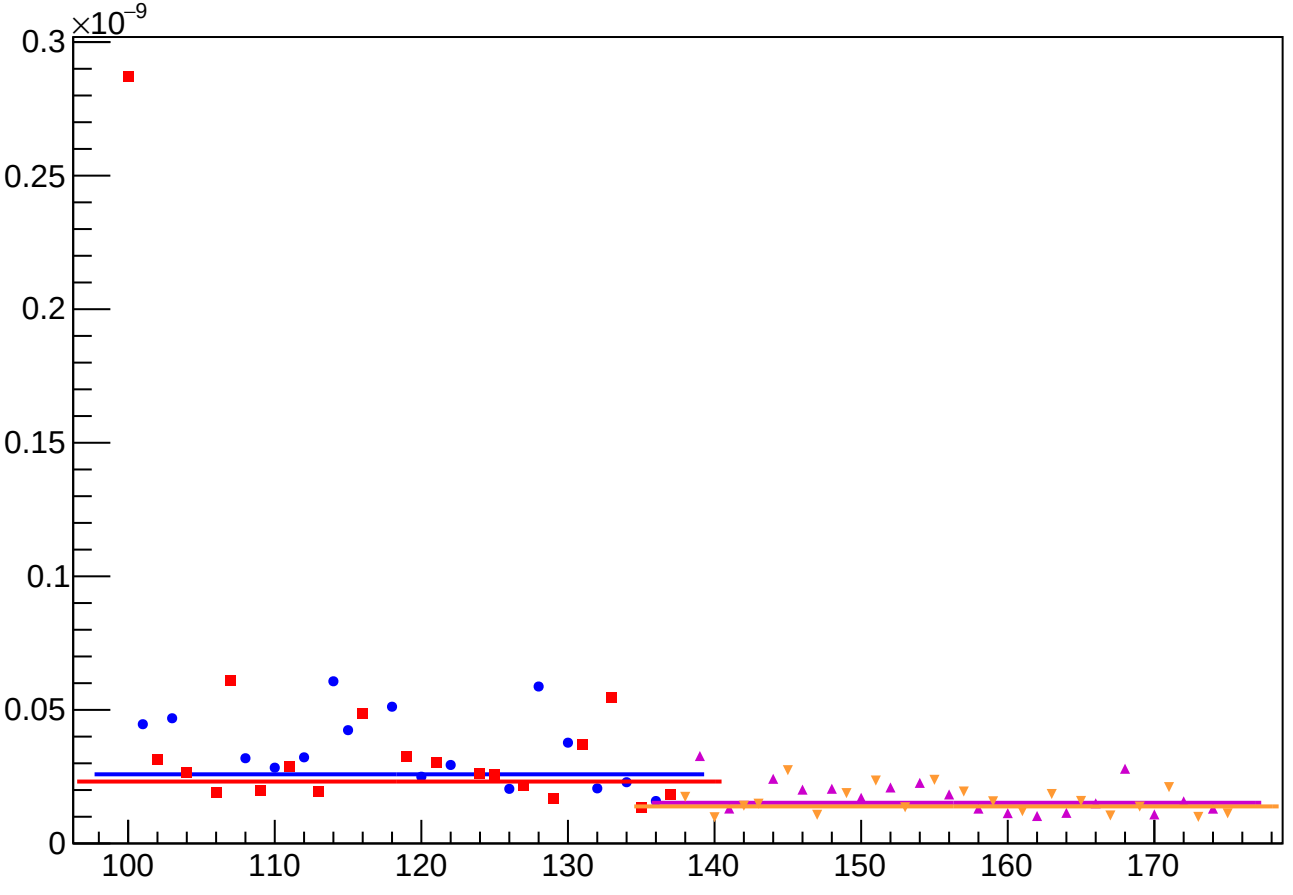
Left In: 0.000+/-0.000 χ^2/NDF:21.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 21.7/35

All: 0.000+/-0.000 χ^2/NDF: 69.9/72

- sign 0.000+/-0.000 χ^2/NDF: 47.8/36

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1083191.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

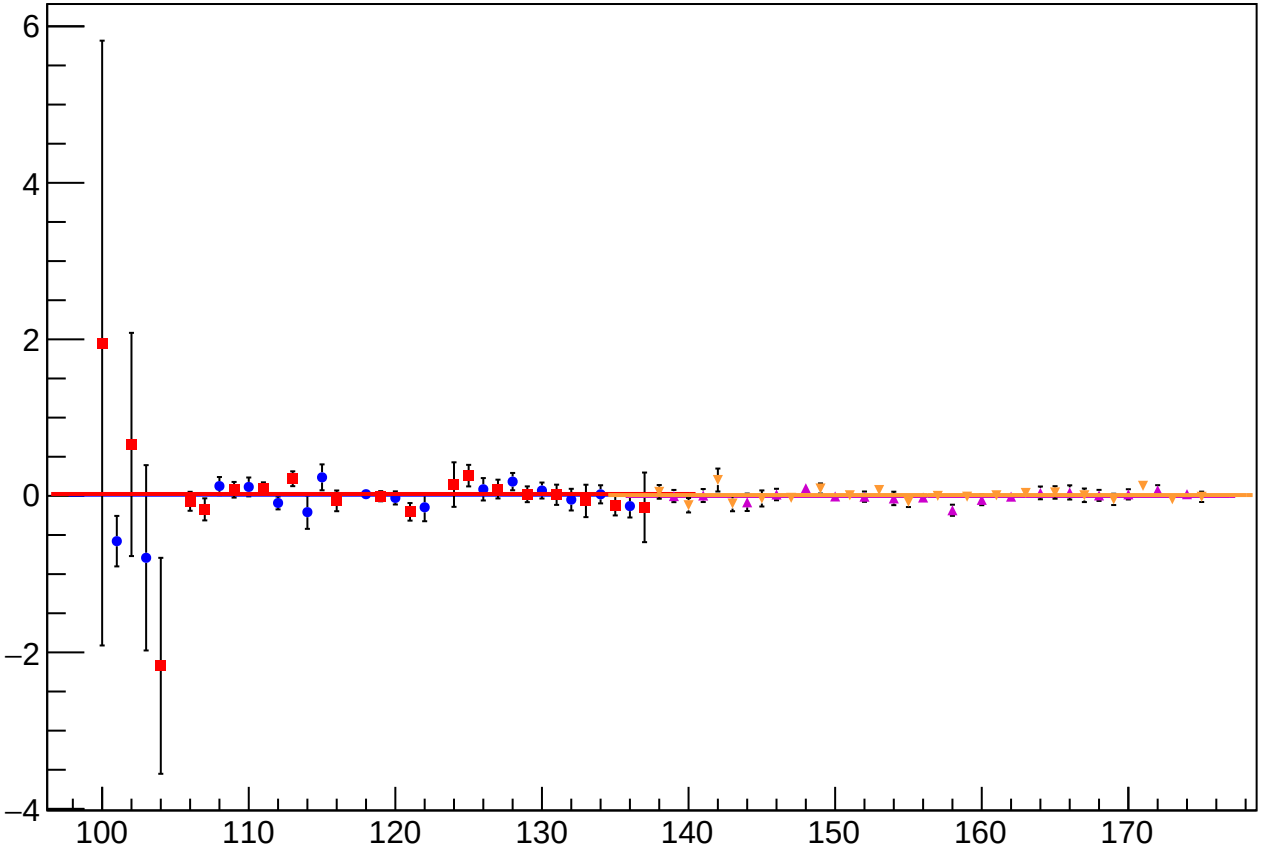
Left In: 0.000+/-0.000 χ^2/NDF:1172313.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 2856065.5/35

All: 0.000+/-0.000 χ^2/NDF: 5202750.2/72

- sign 0.000+/-0.000 χ^2/NDF: 2297124.0/36

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.015 χ^2/NDF:16.2/19

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

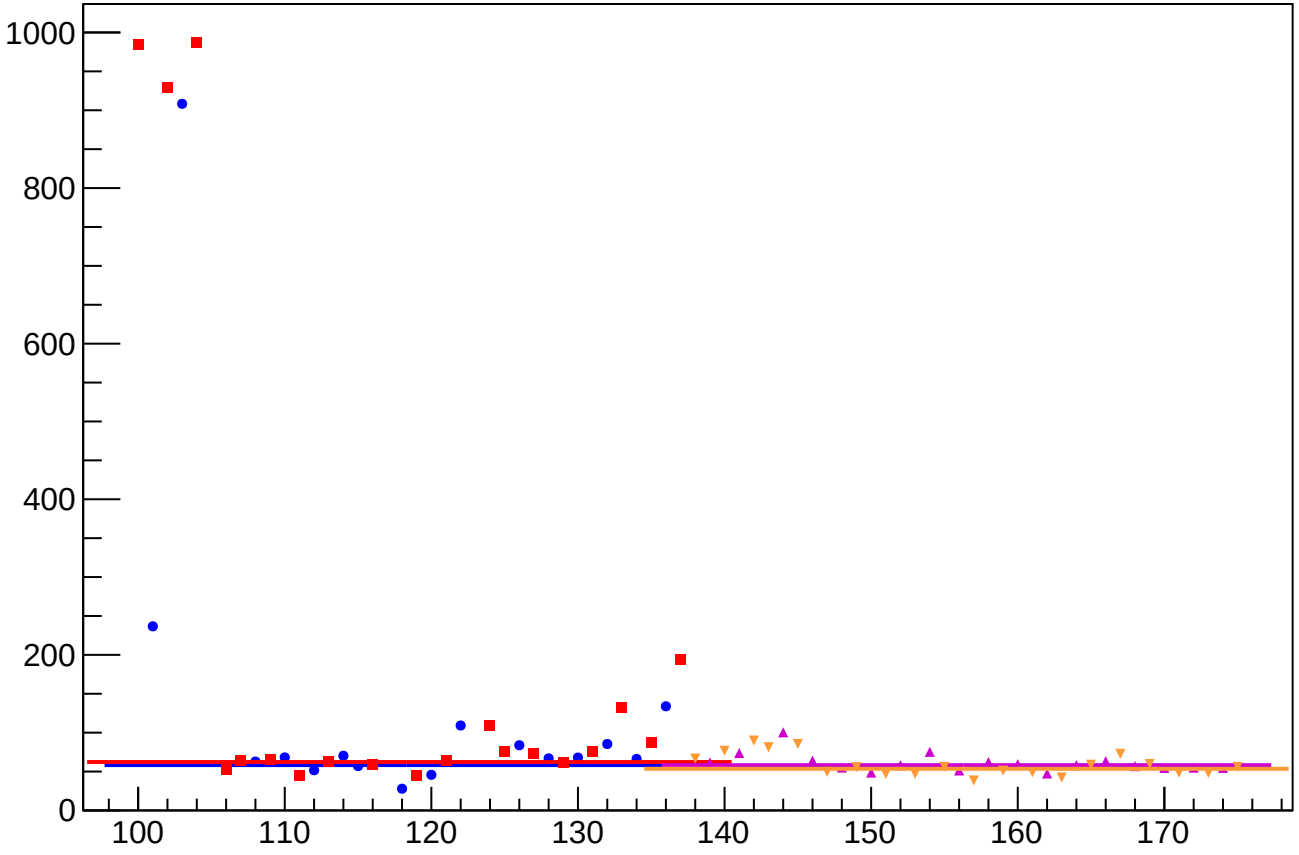
Left In: -0.001+/-0.017 χ^2/NDF:12.4/17

+ sign 0.011+/-0.013 χ^2/NDF: 31.3/35

All: 0.008+/-0.010 χ^2/NDF: 65.2/72

- sign 0.005+/-0.014 χ^2/NDF: 33.8/36

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.572+/-0.011 χ^2/NDF:1092461.3/19

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

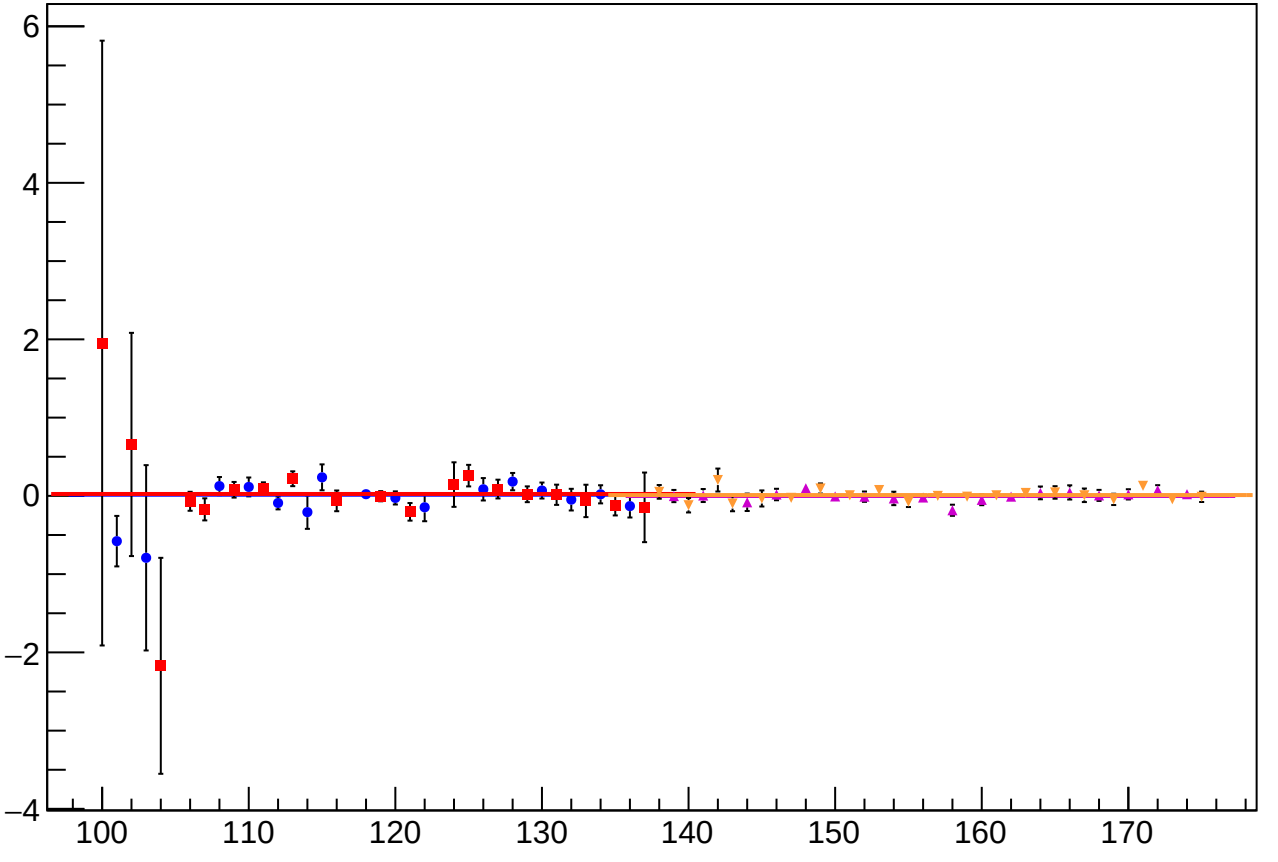
Left In: 58.221+/-0.012 χ^2/NDF:636599.7/17

+ sign 54.666+/-0.009 χ^2/NDF: 4397501.4/35

All: 56.819+/-0.007 χ^2/NDF: 7802063.3/72

- sign 59.255+/-0.010 χ^2/NDF: 3294086.8/36

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.015 χ^2/NDF:16.2/19

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

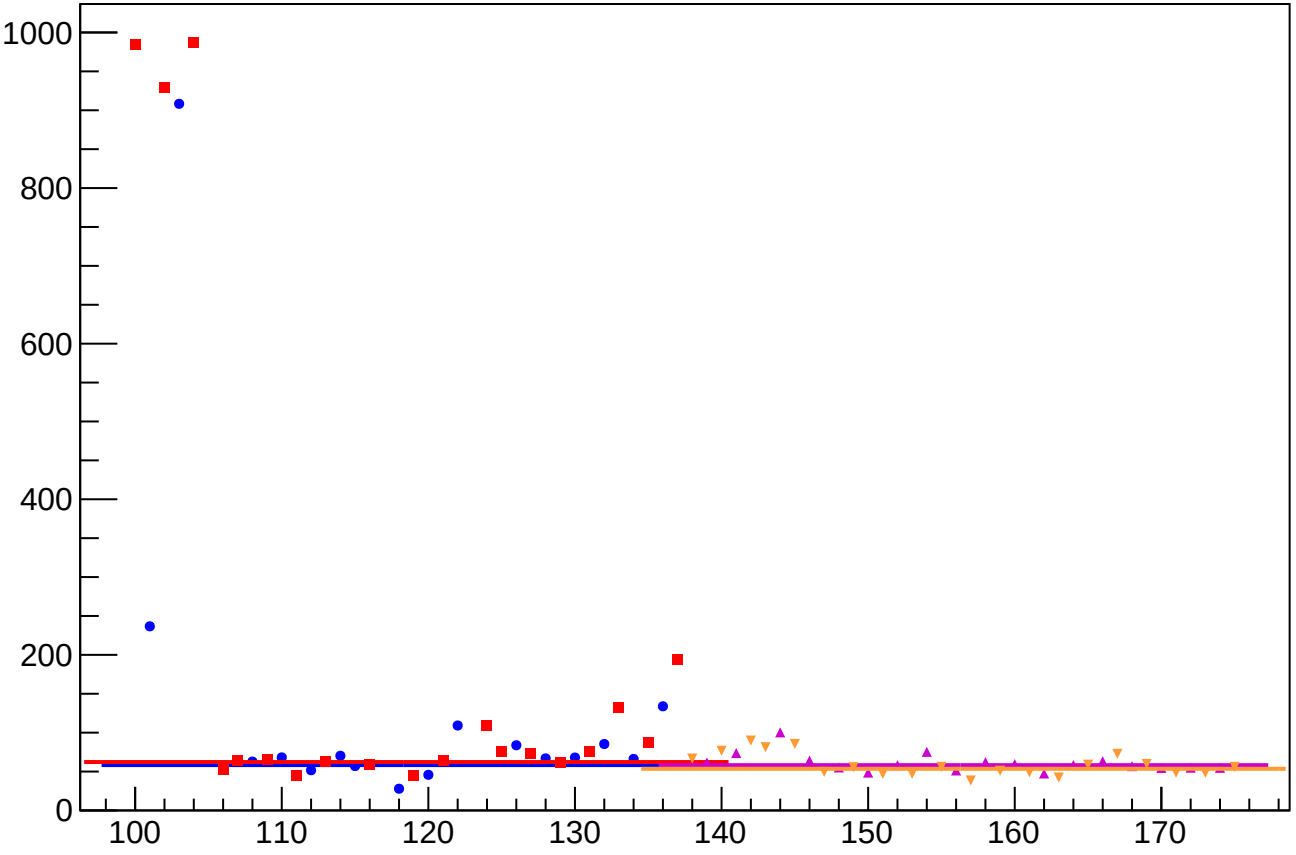
Left In: -0.001+/-0.017 χ^2/NDF:12.4/17

+ sign 0.011+/-0.013 χ^2/NDF: 31.3/35

All: 0.008+/-0.010 χ^2/NDF: 65.2/72

- sign 0.005+/-0.014 χ^2/NDF: 33.8/36

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.572+/-0.011 χ^2/NDF:1092461.3/19

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

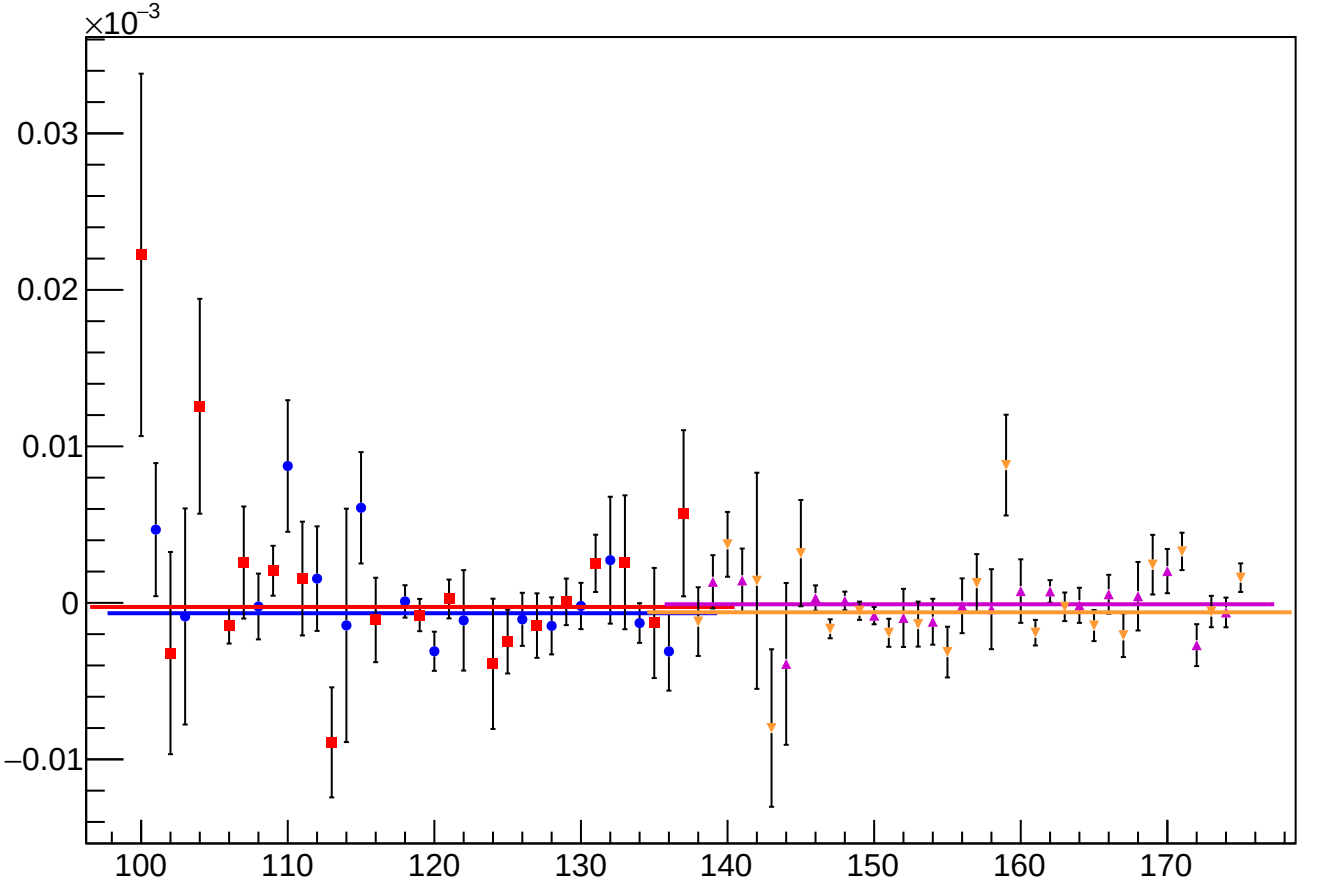
Left In: 58.221+/-0.012 χ^2/NDF:636599.7/17

+ sign 54.666+/-0.009 χ^2/NDF: 4397501.4/35

All: 56.819+/-0.007 χ^2/NDF: 7802063.3/72

- sign 59.255+/-0.010 χ^2/NDF: 3294086.8/36

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

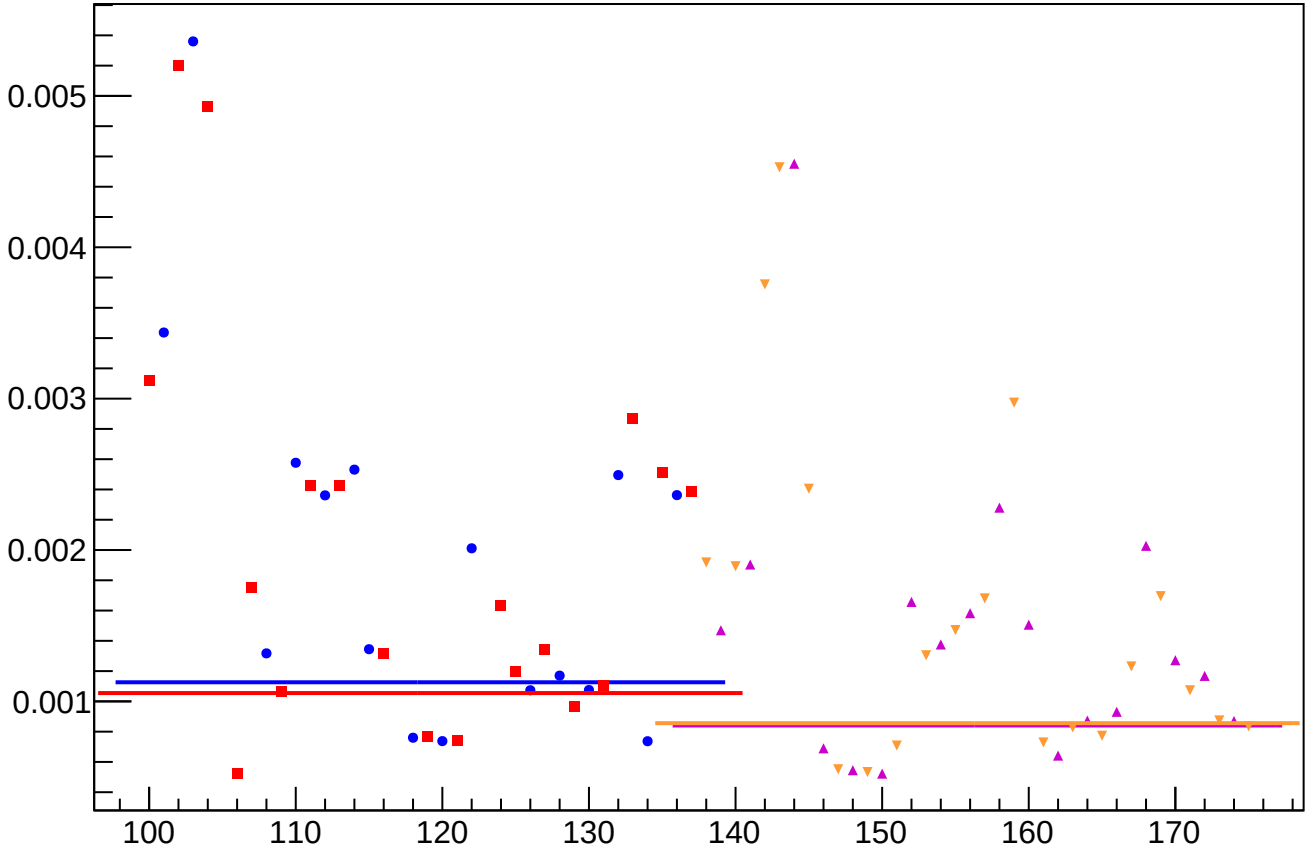
Left In: -0.000+/-0.000 χ^2/NDF:12.9/17

+ sign -0.000+/-0.000 χ^2/NDF: 66.3/35

All: -0.000+/-0.000 χ^2/NDF: 106.2/72

- sign -0.000+/-0.000 χ^2/NDF: 37.6/36

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:6385047.4/19

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

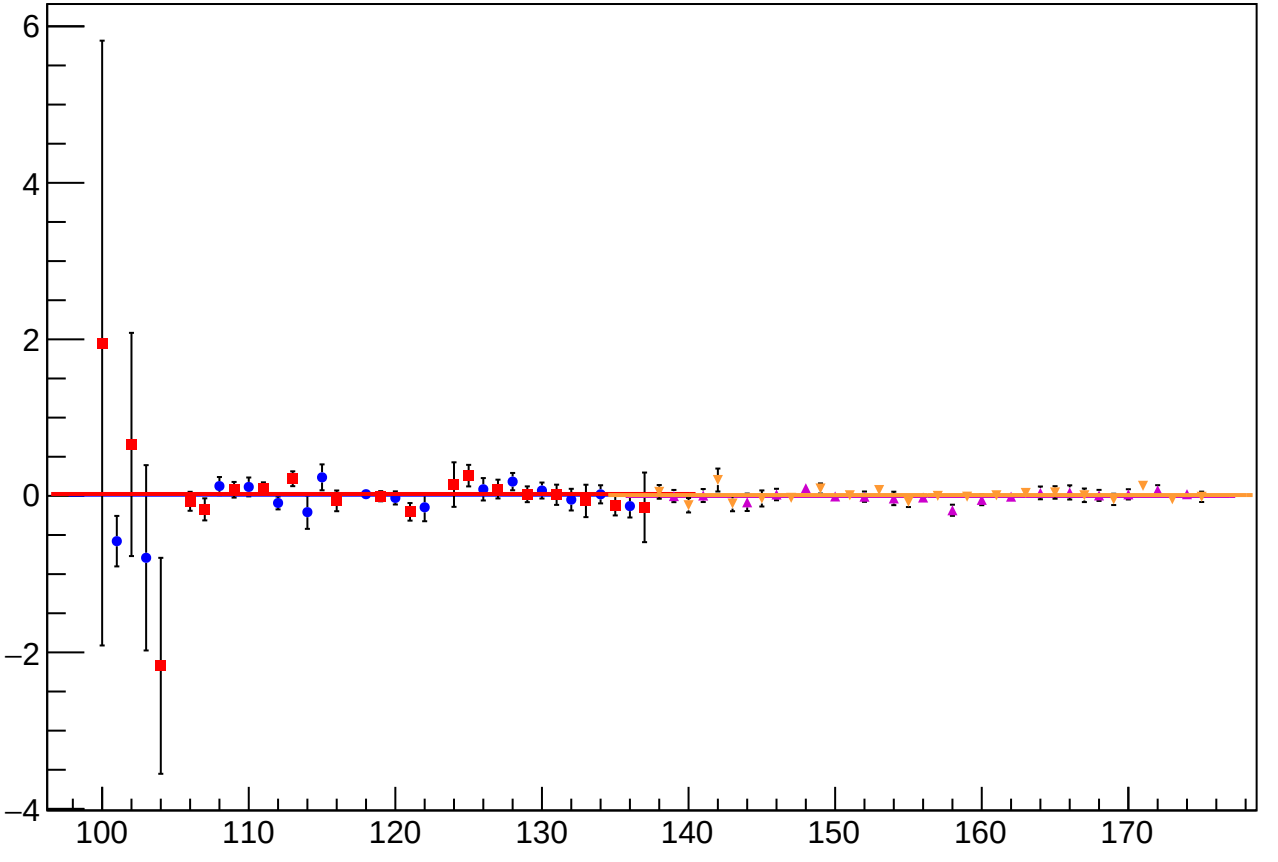
Left In: 0.001+/-0.000 χ^2/NDF:5997072.0/17

+ sign 0.001+/-0.000 χ^2/NDF: 10321093.7/35

All: 0.001+/-0.000 χ^2/NDF: 20504003.2/72

- sign 0.001+/-0.000 χ^2/NDF: 10173456.0/36

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.015 χ^2/NDF:16.2/19

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

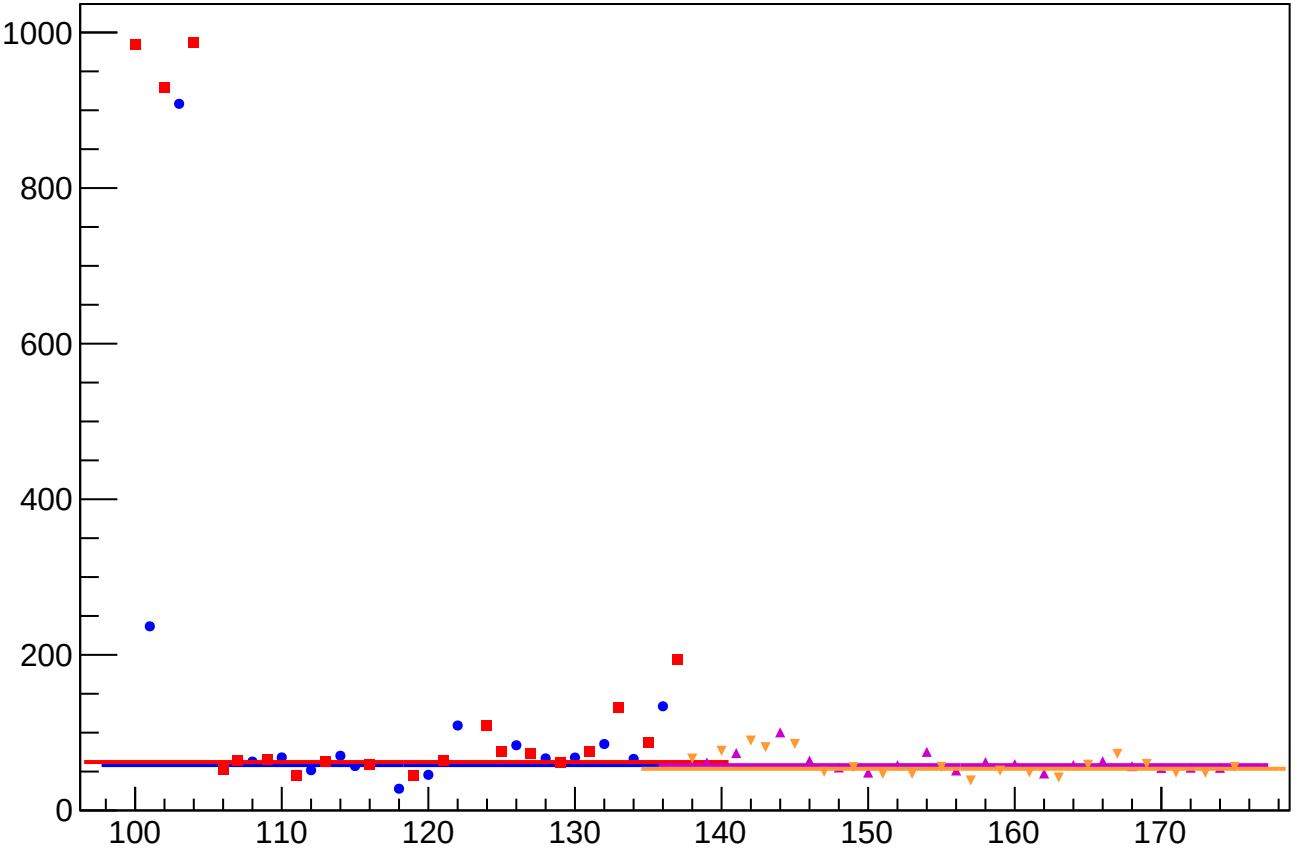
Left In: -0.001+/-0.017 χ^2/NDF:12.4/17

+ sign 0.011+/-0.013 χ^2/NDF: 31.3/35

All: 0.008+/-0.010 χ^2/NDF: 65.2/72

- sign 0.005+/-0.014 χ^2/NDF: 33.8/36

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.571+/-0.011 χ^2/NDF:1092526.8/19

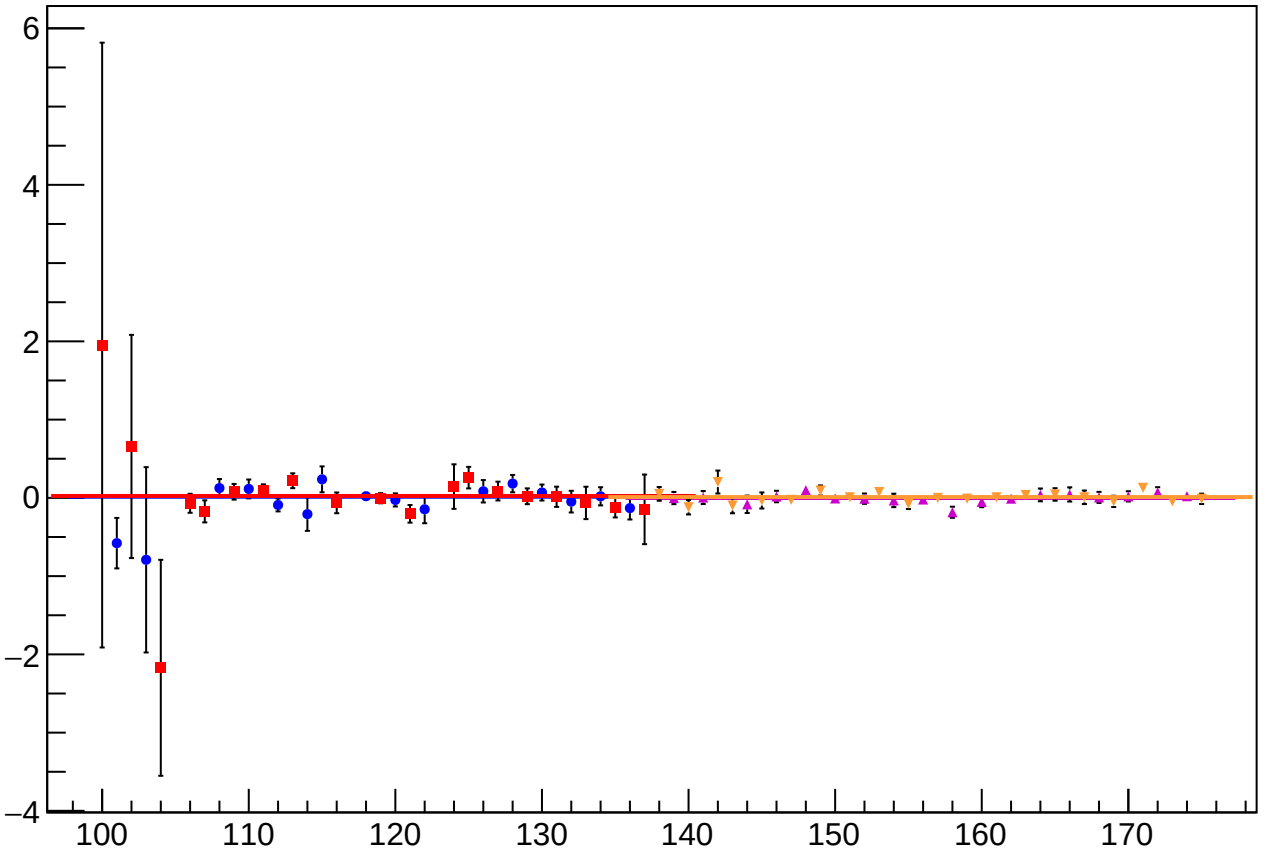
Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.221+/-0.012 χ^2/NDF:636622.5/17

+ sign 54.666+/-0.009 χ^2/NDF: 4397640.8/35

All: 56.819+/-0.007 χ^2/NDF: 7802241.5/72

- sign 59.255+/-0.010 χ^2/NDF: 3294098.5/36



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.015 χ^2/NDF:16.2/19

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

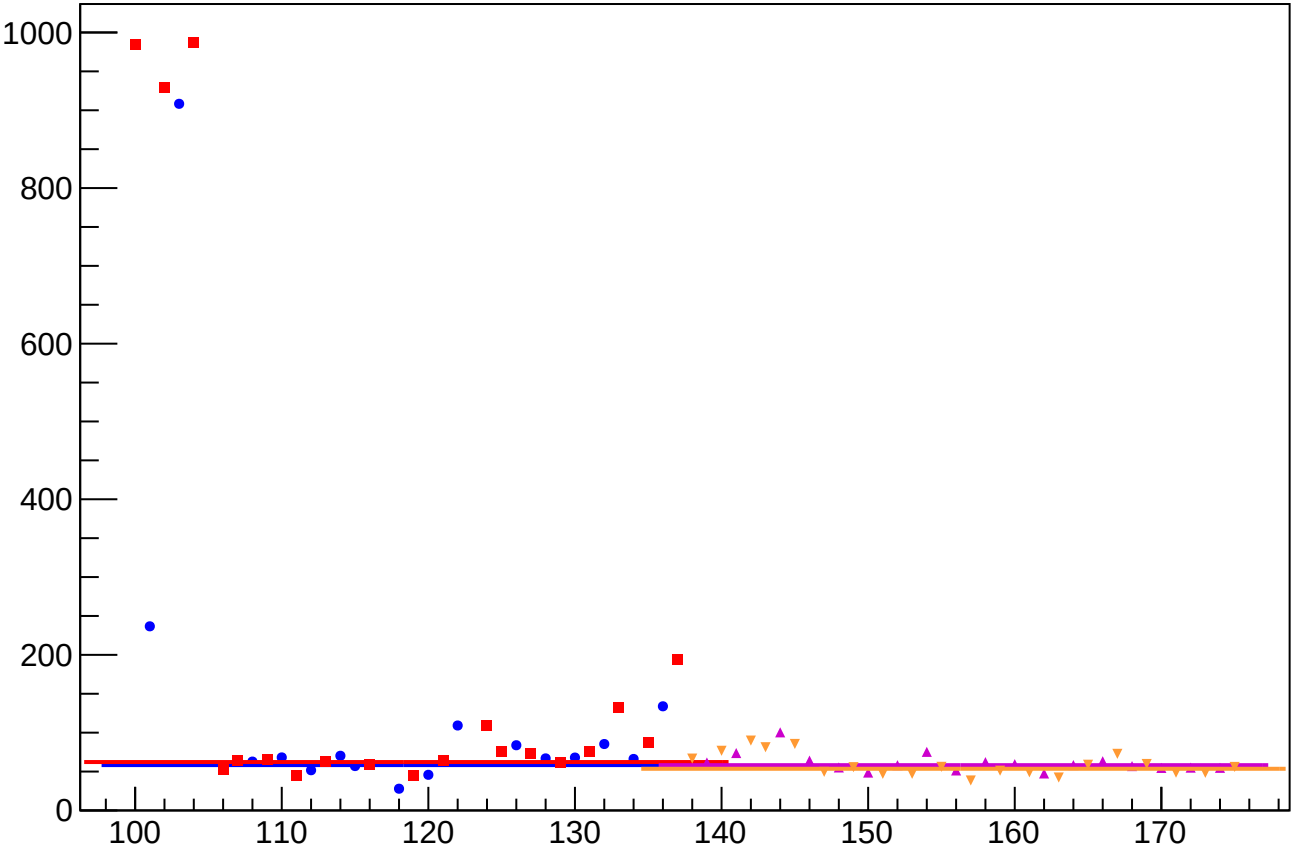
Left In: -0.001+/-0.017 χ^2/NDF:12.4/17

\+ sign 0.011+/-0.013 χ^2/NDF: 31.3/35

All: 0.008+/-0.010 χ^2/NDF: 65.2/72

\- sign 0.005+/-0.014 χ^2/NDF: 33.8/36

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.571+/-0.011 χ^2/NDF:1092526.8/19

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

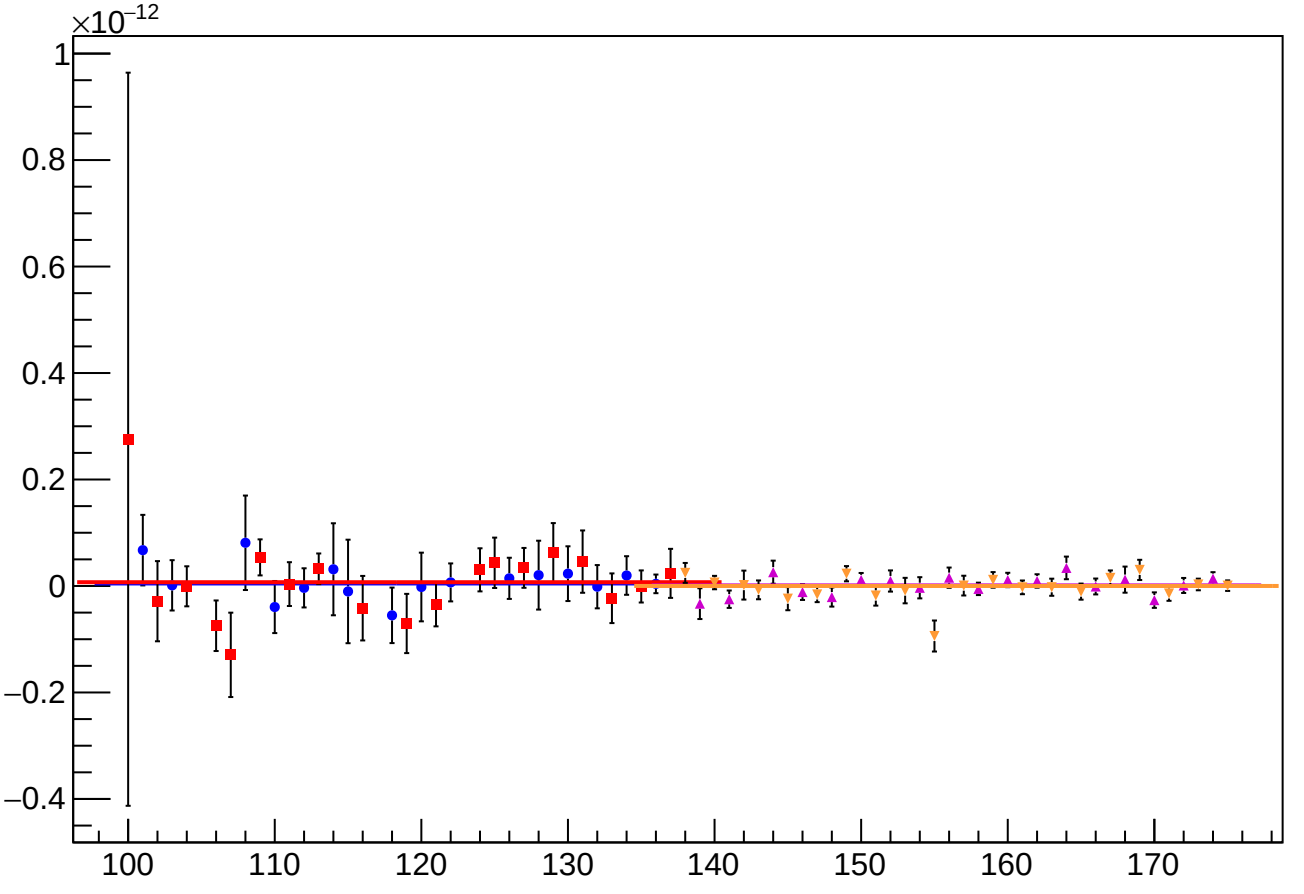
Left In: 58.221+/-0.012 χ^2/NDF:636622.5/17

+ sign 54.666+/-0.009 χ^2/NDF: 4397640.8/35

All: 56.819+/-0.007 χ^2/NDF: 7802241.5/72

- sign 59.255+/-0.010 χ^2/NDF: 3294098.5/36

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

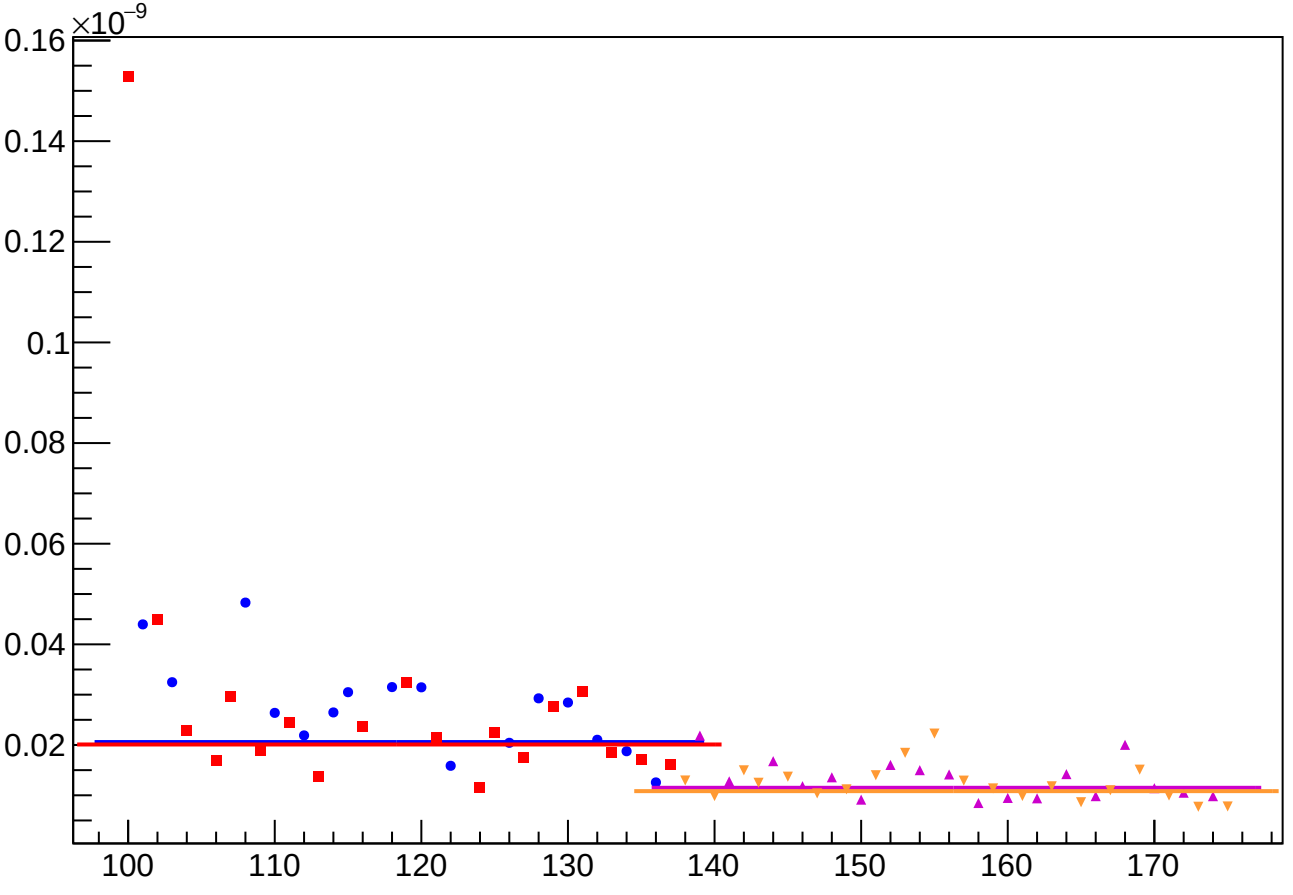
Left In: 0.000+/-0.000 χ^2/NDF:17.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 29.2/35

All: 0.000+/-0.000 χ^2/NDF: 63.2/72

- sign 0.000+/-0.000 χ^2/NDF: 34.0/36

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1254722.7/19

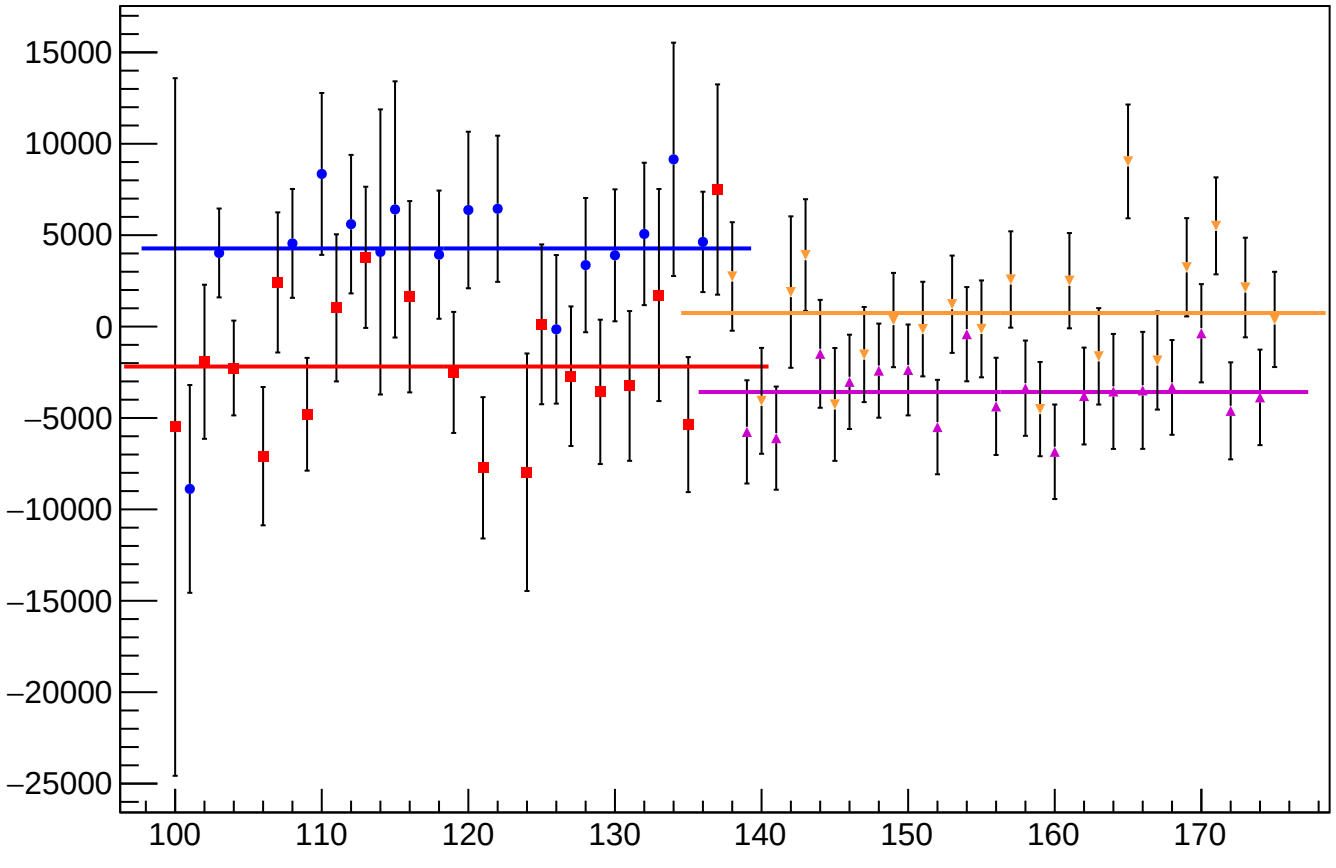
Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1270306.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 4201089.4/35

All: 0.000+/-0.000 χ^2/NDF: 7602523.5/72

- sign 0.000+/-0.000 χ^2/NDF: 3358607.4/36



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 742.465+/-617.351 χ^2/NDF:26.3/19

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

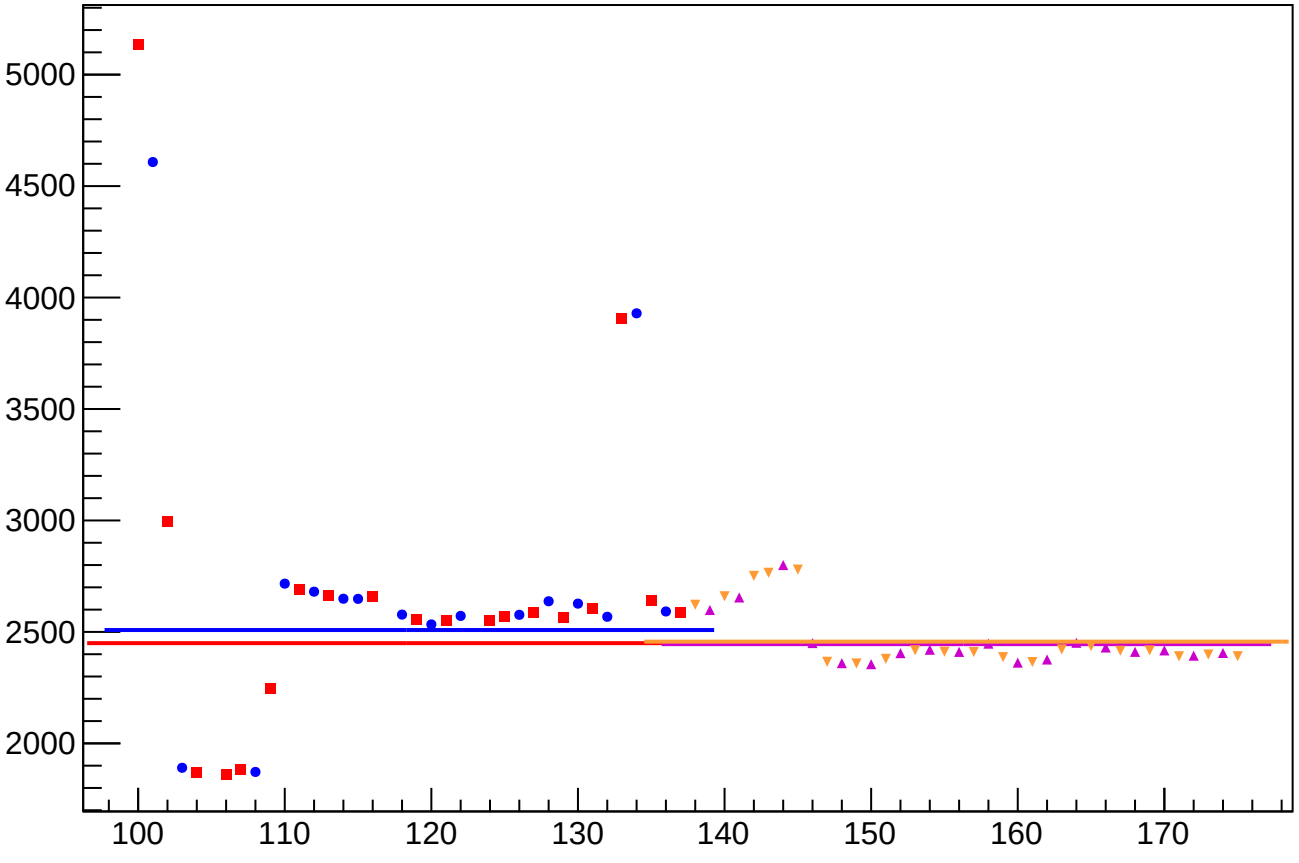
Left In: -3580.019+/-634.454 χ^2/NDF:7.7/17

+ sign 1788.106+/-517.967 χ^2/NDF: 44.9/35

All: -649.752+/-367.914 χ^2/NDF: 113.7/72

- sign -3132.200+/-522.683 χ^2/NDF: 24.1/36

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2456.394+/-0.437 χ^2/NDF:85852.1/19

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

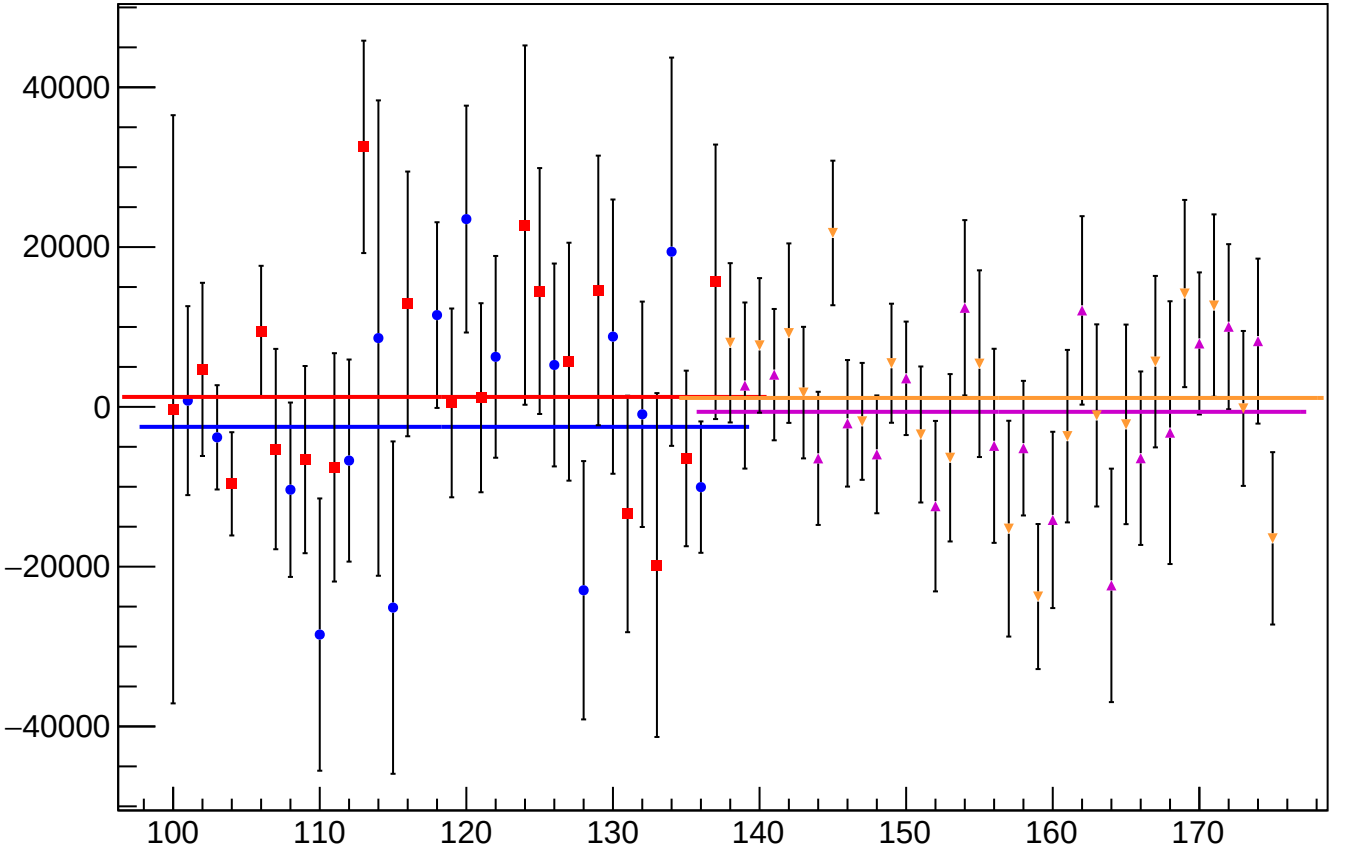
Left In: 2445.187+/-0.449 χ^2/NDF:56936.2/17

+ sign 2471.811+/-0.366 χ^2/NDF: 701654.3/35

All: 2459.325+/-0.260 χ^2/NDF: 1197868.2/72

- sign 2446.612+/-0.370 χ^2/NDF: 493868.6/36

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1117.777+/-2186.646 χ^2/NDF:22.7/19

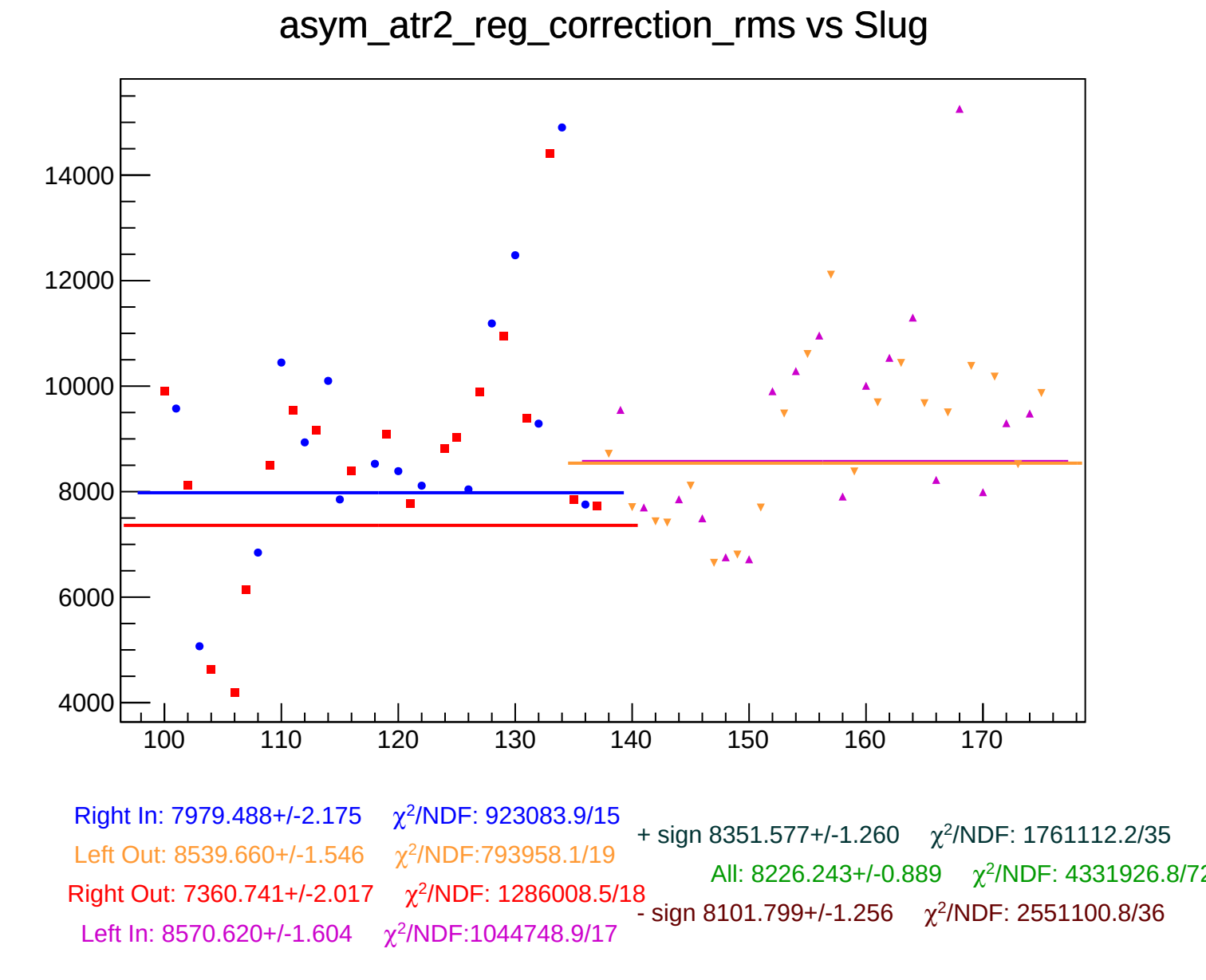
Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

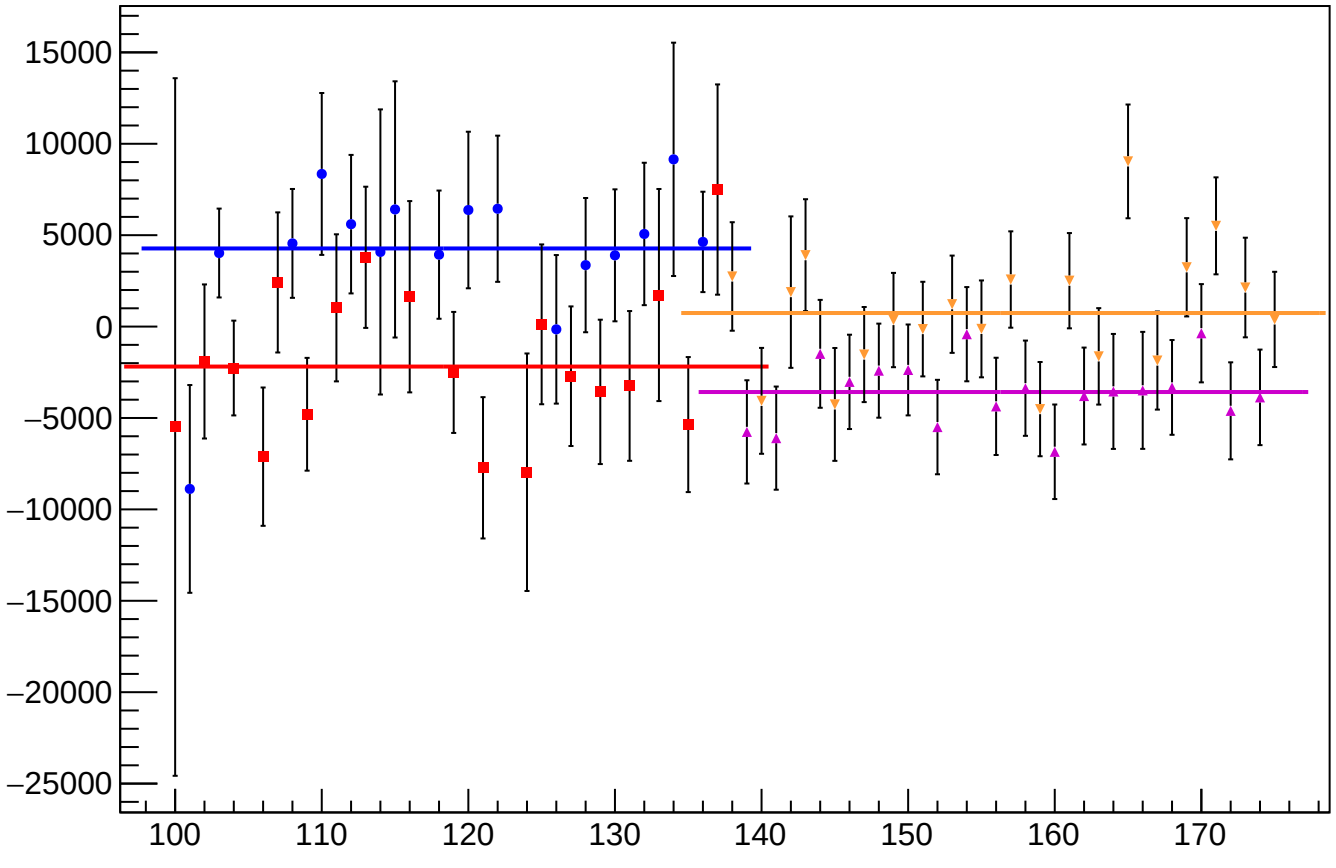
Left In: -620.320+/-2269.026 χ^2/NDF:12.8/17

\+ sign -97.128+/-1782.137 χ^2/NDF: 37.3/35

All: 2.906+/-1257.916 χ^2/NDF: 67.0/72

\- sign 102.230+/-1775.802 χ^2/NDF: 29.6/36


asym_atr2_reg_correction_rms vs Slug
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 8539.660+/-1.546 χ²/NDF:793958.1/19
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 8570.620+/-1.604 χ²/NDF:1044748.9/17
+ sign 8351.577+/-1.260 χ²/NDF: 1761112.2/35
All: 8226.243+/-0.889 χ²/NDF: 4331926.8/72
- sign 8101.799+/-1.256 χ²/NDF: 2551100.8/36



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 742.295+/-617.351 χ^2/NDF:26.3/19

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

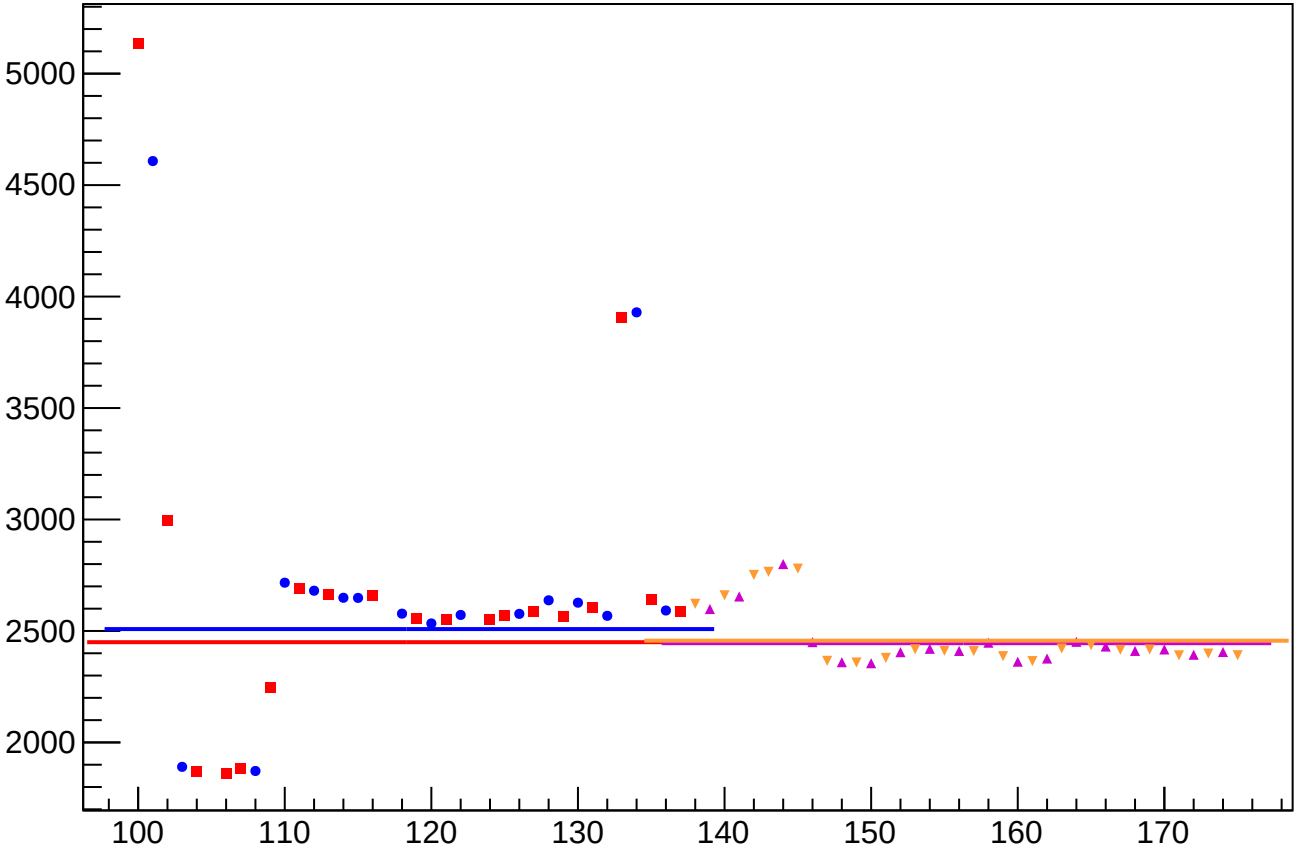
Left In: -3579.884+/-634.454 χ^2/NDF:7.7/17

+ sign 1787.841+/-517.967 χ^2/NDF: 44.9/35

All: -649.936+/-367.914 χ^2/NDF: 113.8/72

- sign -3132.313+/-522.684 χ^2/NDF: 24.1/36

cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2456.394+/-0.437 χ^2/NDF:85852.1/19

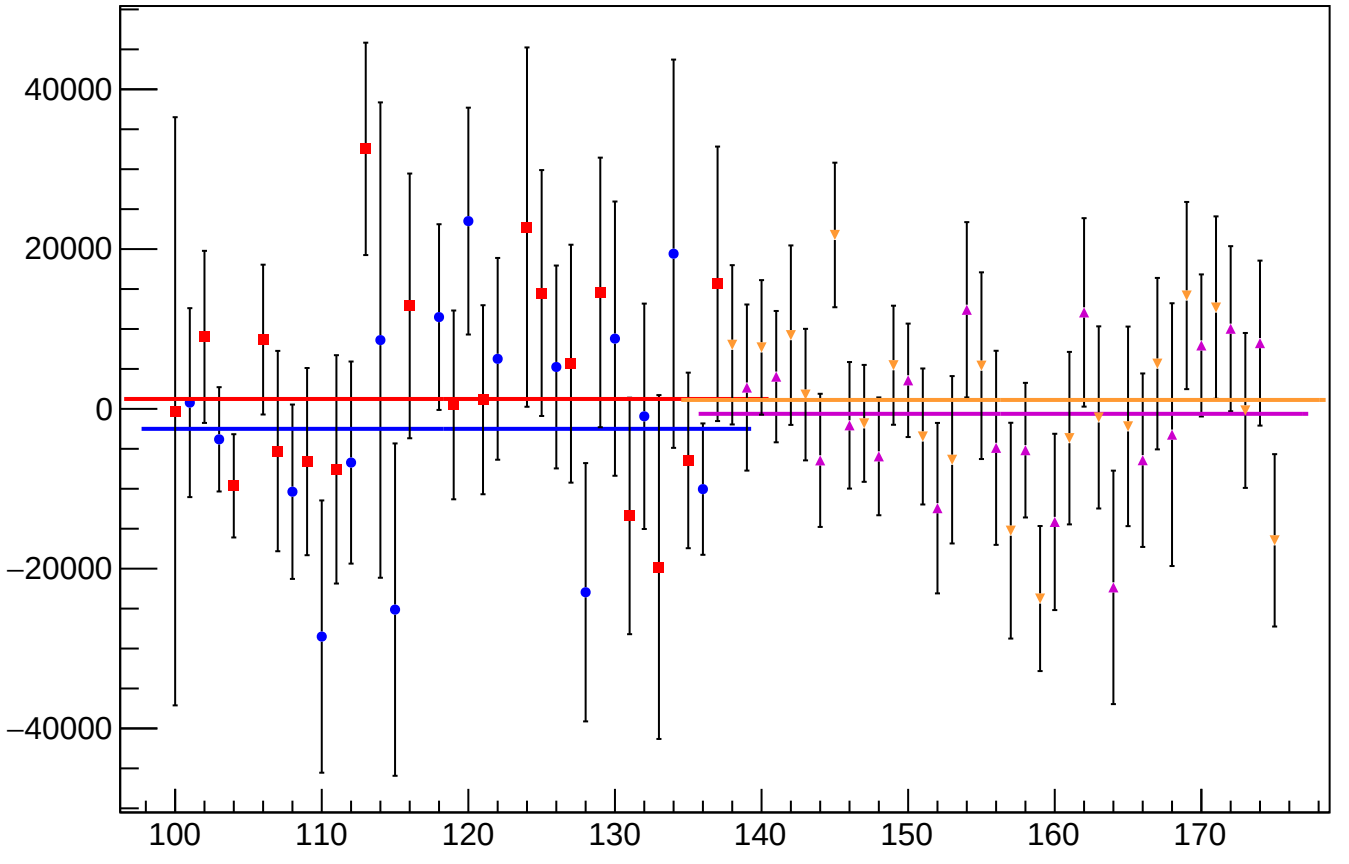
Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2445.187+/-0.449 χ^2/NDF:56936.2/17

\+ sign 2471.811+/-0.366 χ^2/NDF: 701652.2/35

All: 2459.330+/-0.260 χ^2/NDF: 1197810.7/72

\- sign 2446.620+/-0.370 χ^2/NDF: 493814.5/36



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1117.768+/-2186.642 χ^2/NDF:22.7/19

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

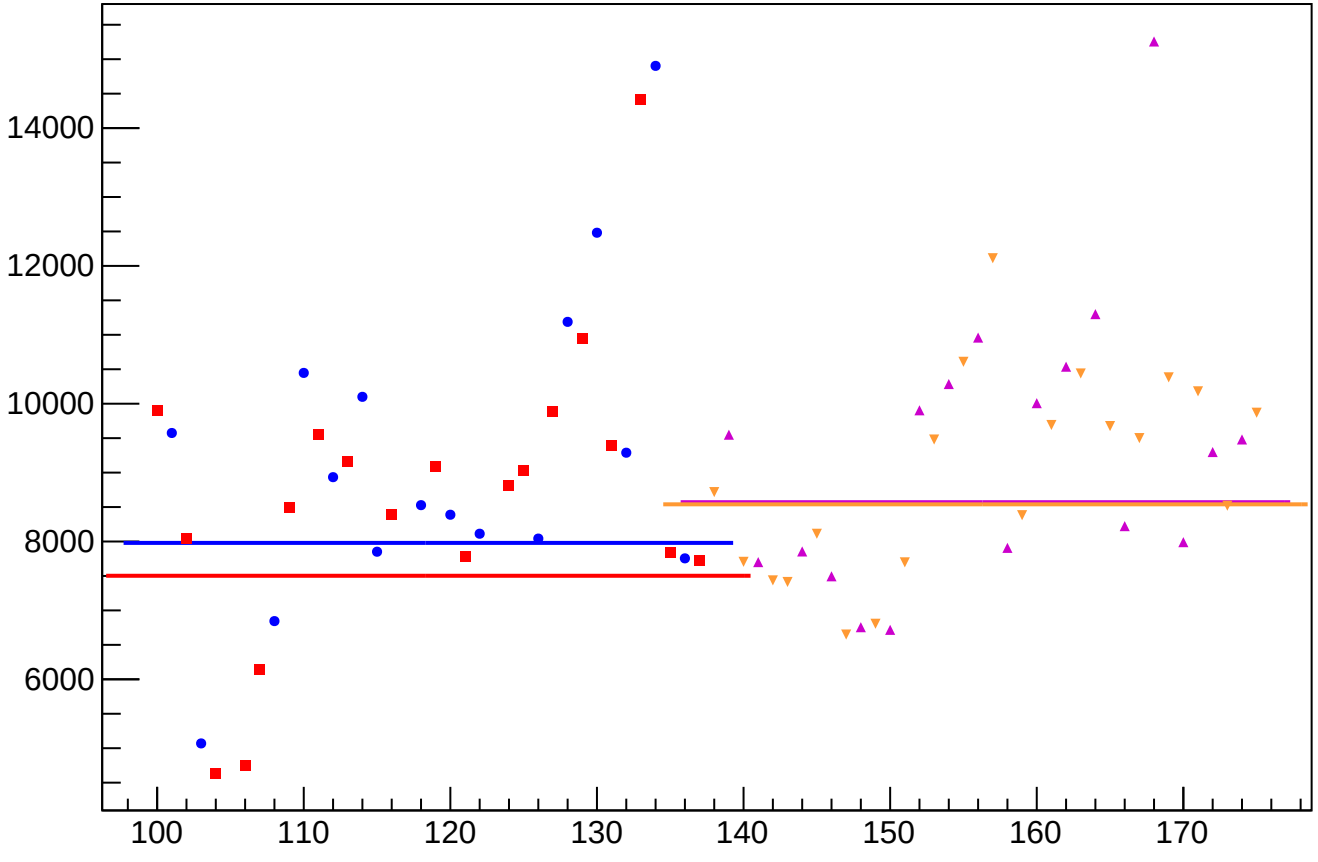
Left In: -620.341+/-2269.026 χ^2/NDF:12.8/17

+ sign -97.010+/-1782.152 χ^2/NDF: 37.3/35

All: -4.672+/-1261.353 χ^2/NDF: 67.0/72

- sign 88.014+/-1785.498 χ^2/NDF: 29.6/36

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8539.646+/-1.546 χ^2/NDF:793964.2/19

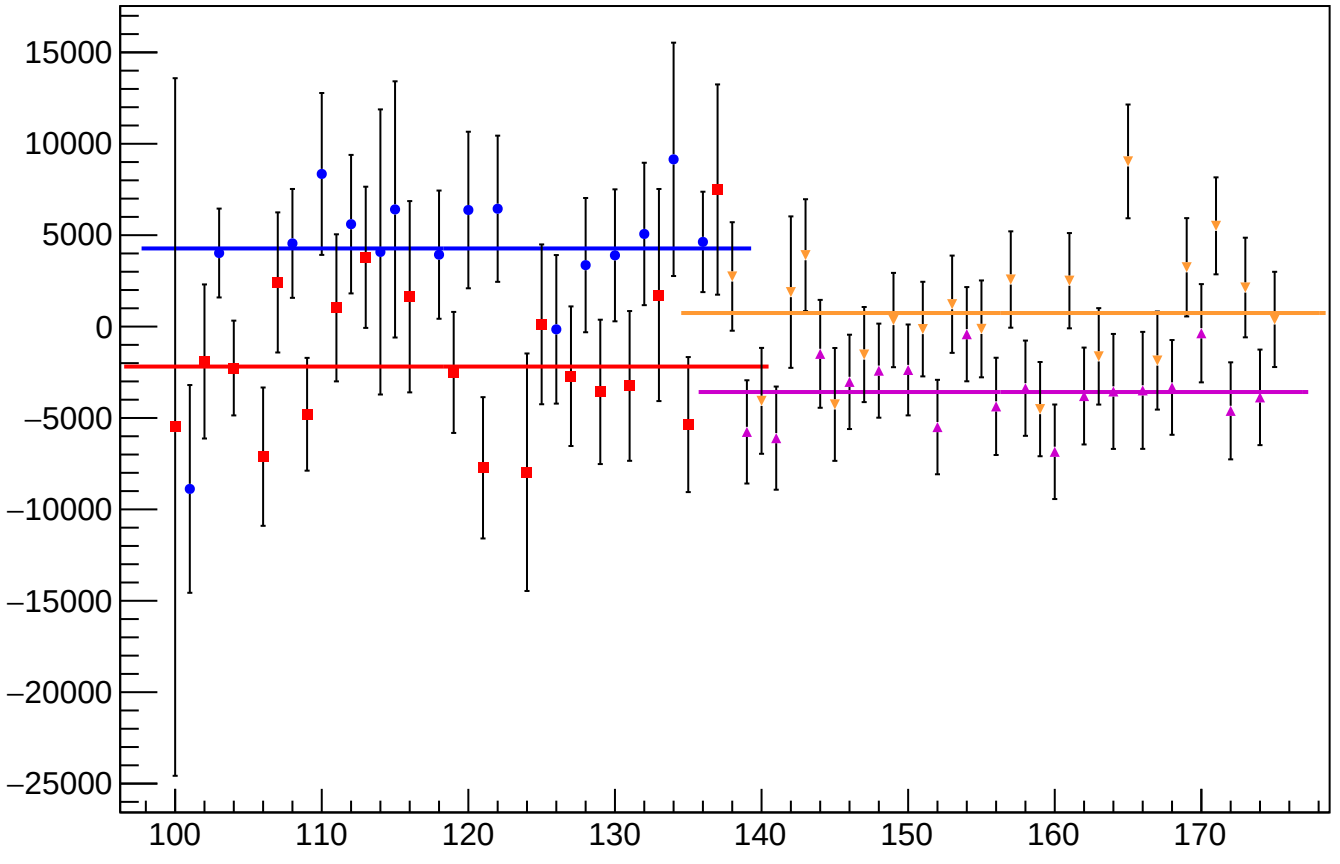
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8570.618+/-1.604 χ^2/NDF:1044753.6/17

+ sign 8351.684+/-1.260 χ^2/NDF: 1760764.9/35

All: 8257.999+/-0.892 χ^2/NDF: 4120819.0/72

- sign 8163.963+/-1.263 χ^2/NDF: 2348979.5/36



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 742.295+/-617.351 χ^2/NDF:26.3/19

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

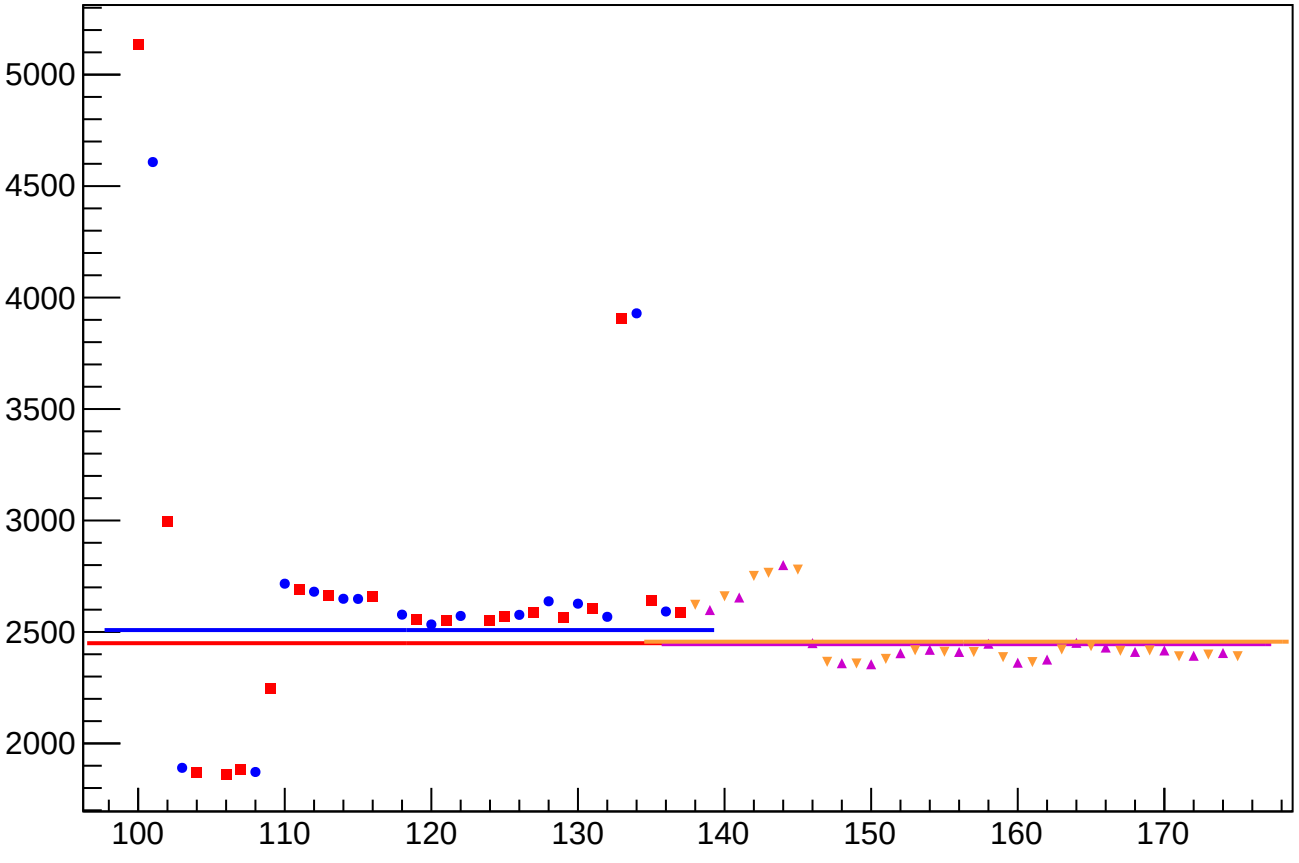
Left In: -3579.884+/-634.454 χ^2/NDF:7.7/17

+ sign 1787.841+/-517.967 χ^2/NDF: 44.9/35

All: -649.936+/-367.914 χ^2/NDF: 113.8/72

- sign -3132.313+/-522.684 χ^2/NDF: 24.1/36

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2456.394+/-0.437 χ^2/NDF:85852.1/19

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

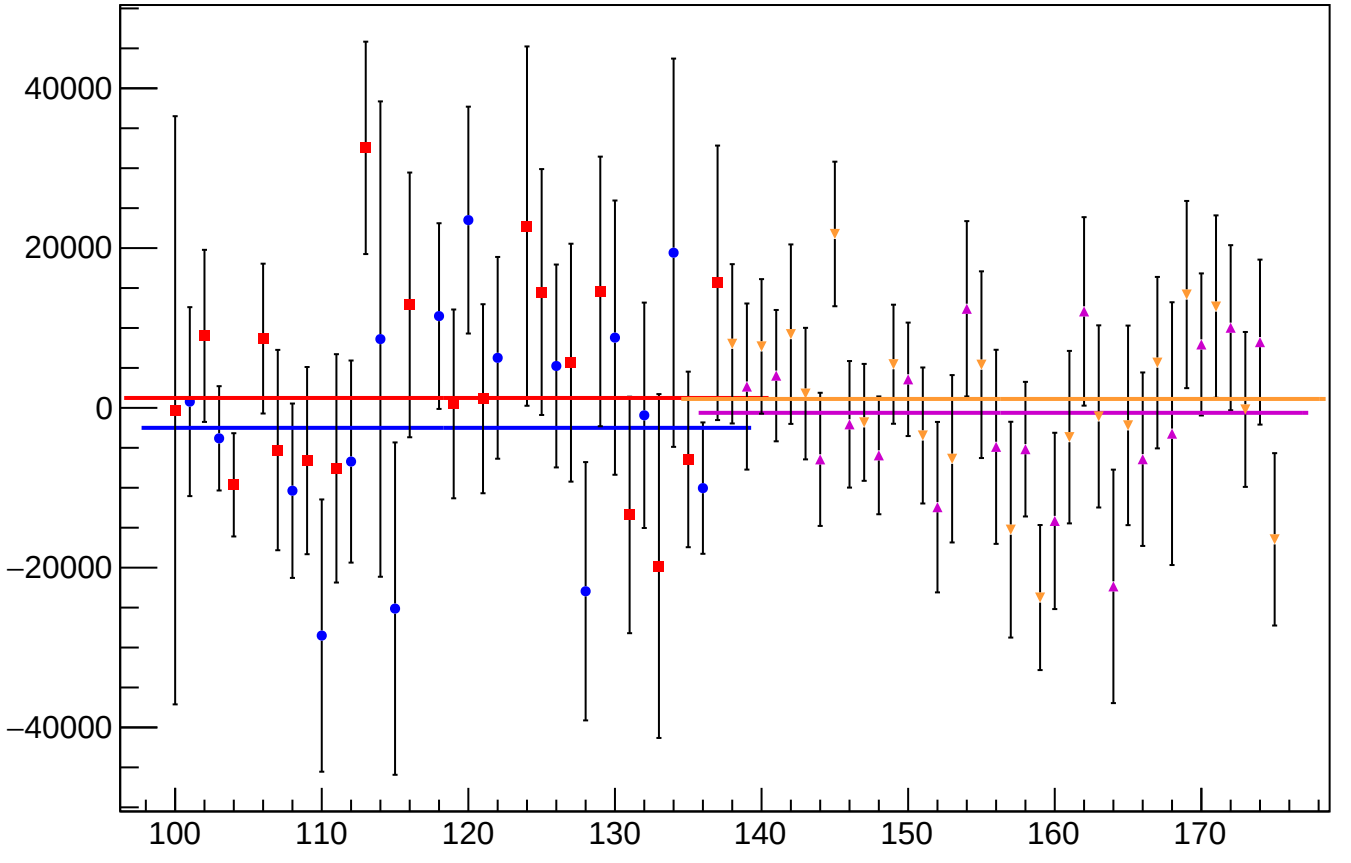
Left In: 2445.187+/-0.449 χ^2/NDF:56936.2/17

+ sign 2471.811+/-0.366 χ^2/NDF: 701652.2/35

All: 2459.330+/-0.260 χ^2/NDF: 1197810.7/72

- sign 2446.620+/-0.370 χ^2/NDF: 493814.5/36

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1117.768+/-2186.642 χ^2/NDF:22.7/19

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

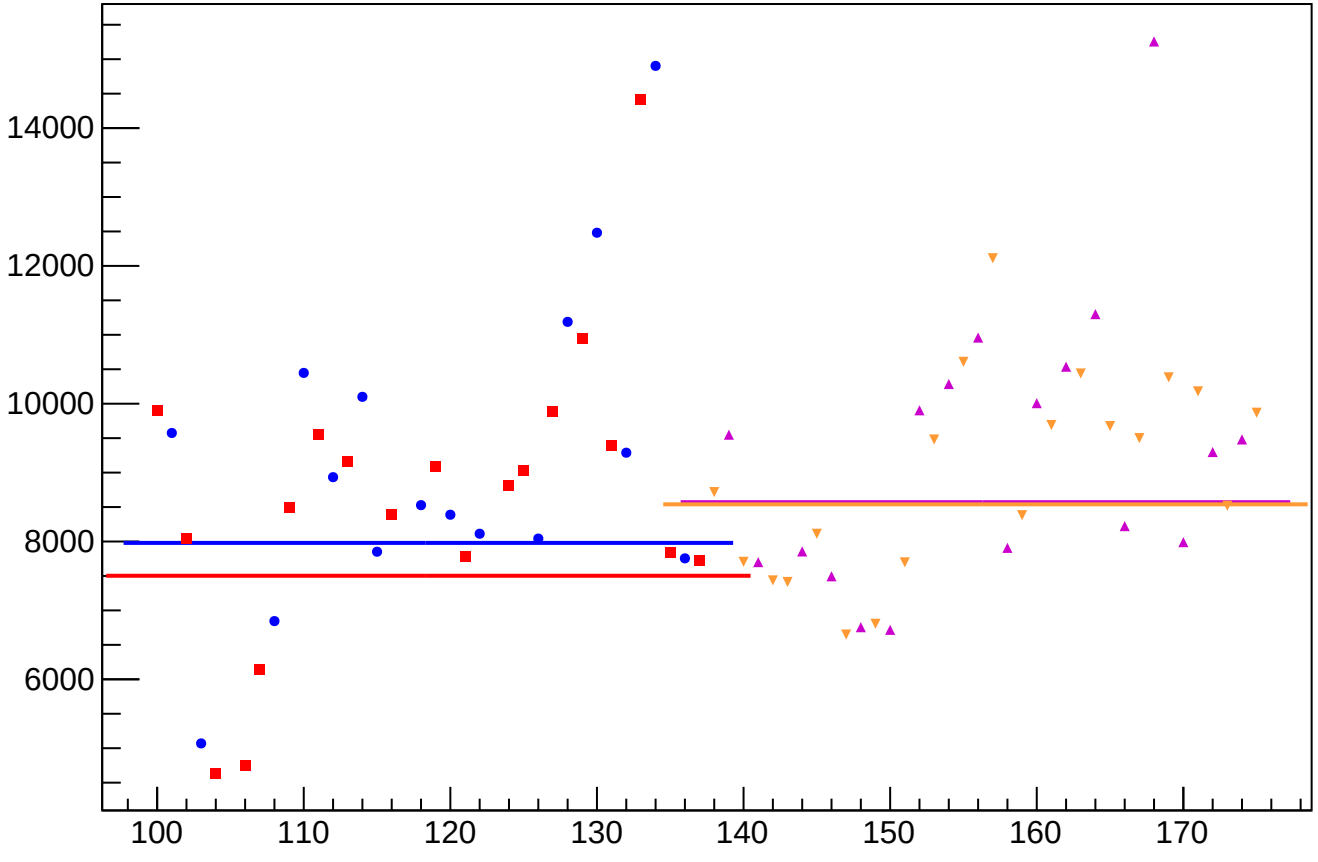
Left In: -620.341+/-2269.026 χ^2/NDF:12.8/17

+ sign -97.010+/-1782.152 χ^2/NDF: 37.3/35

All: -4.672+/-1261.353 χ^2/NDF: 67.0/72

- sign 88.014+/-1785.498 χ^2/NDF: 29.6/36

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8539.646+/-1.546 χ^2/NDF:793964.2/19

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

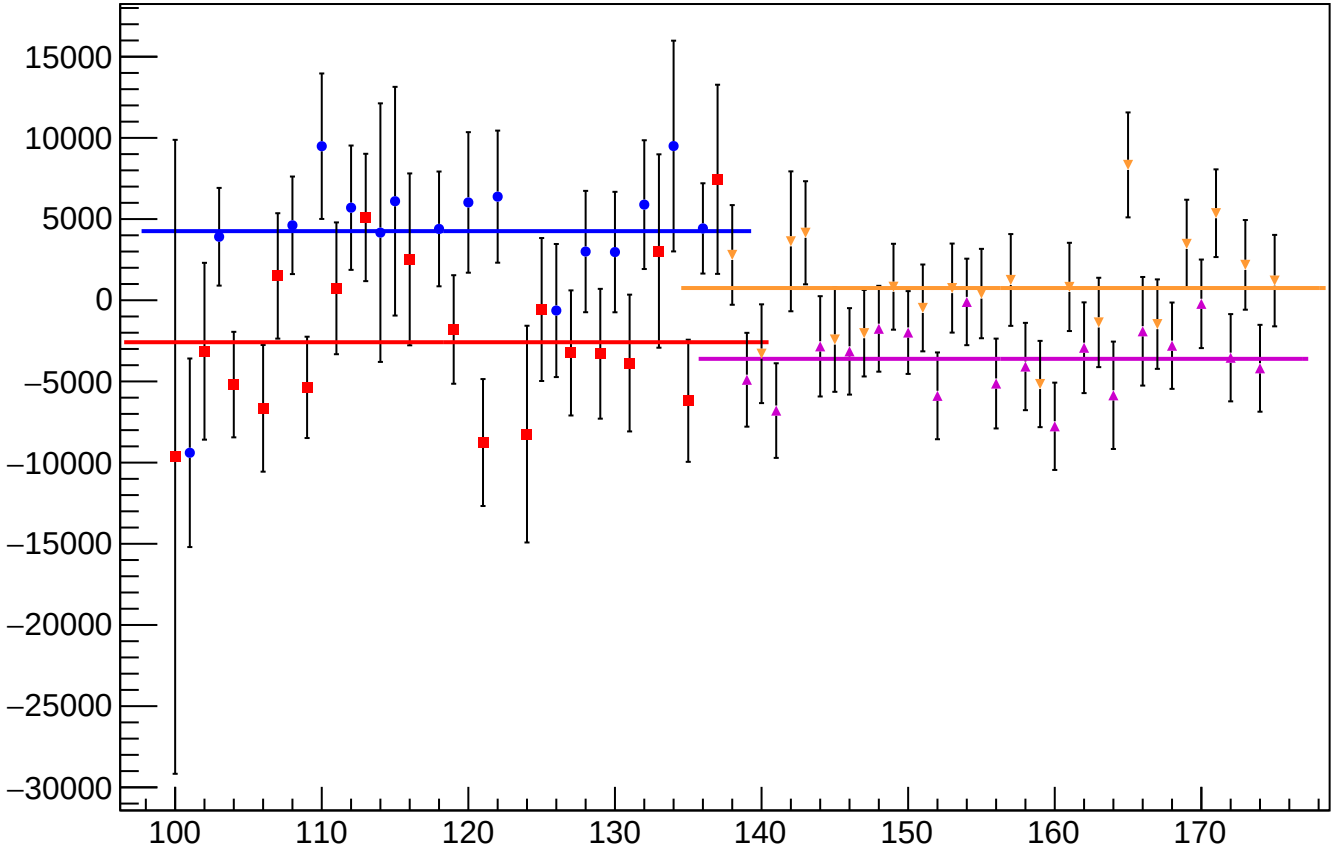
Left In: 8570.618+/-1.604 χ^2/NDF:1044753.6/17

+ sign 8351.684+/-1.260 χ^2/NDF: 1760764.9/35

All: 8257.999+/-0.892 χ^2/NDF: 4120819.0/72

- sign 8163.963+/-1.263 χ^2/NDF: 2348979.5/36

dit_asym_atr2_mean vs Slug



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 752.651+/-639.755 χ^2/NDF:22.0/19

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

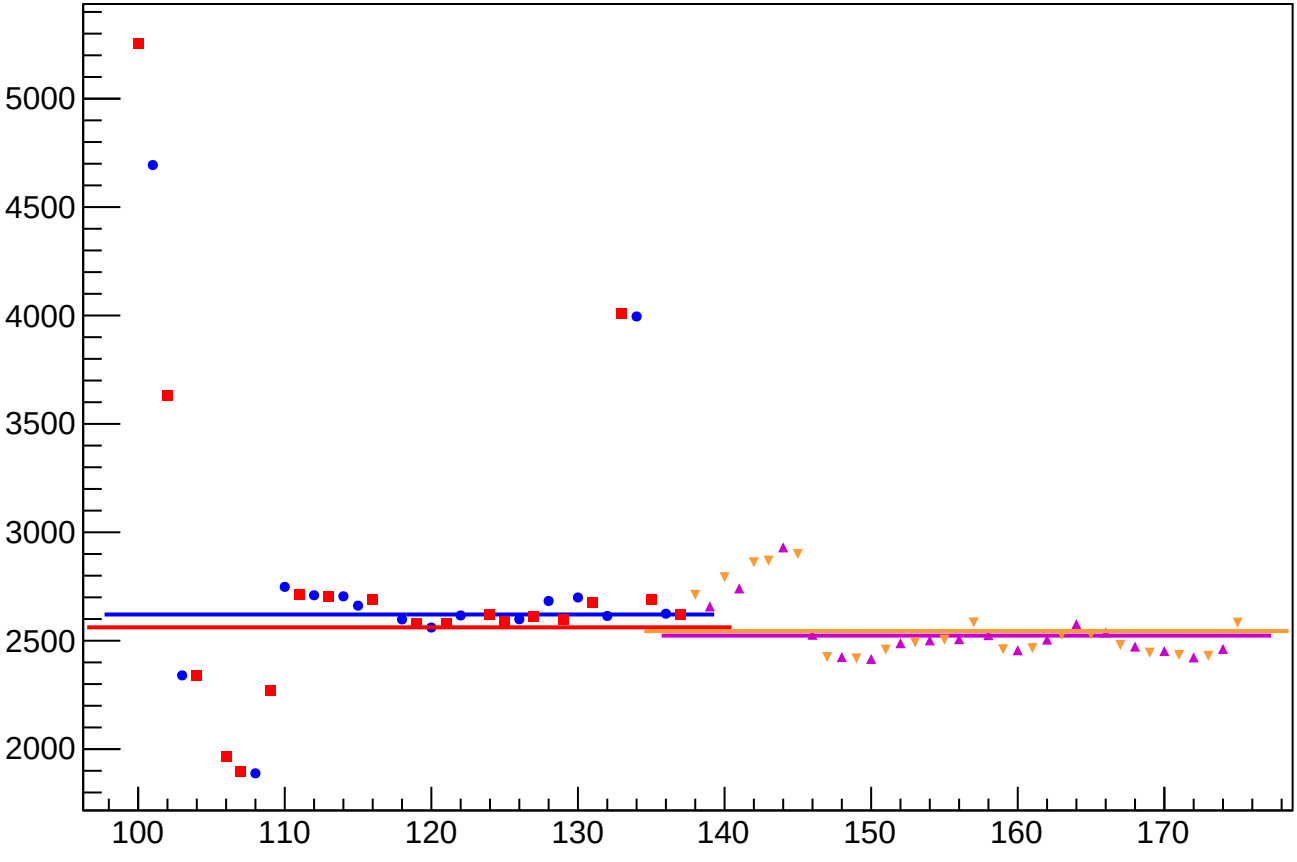
Left In: -3608.976+/-654.935 χ^2/NDF:10.0/17

+ sign 1784.161+/-537.412 χ^2/NDF: 40.9/35

All: -729.123+/-381.654 χ^2/NDF: 113.5/72

- sign -3286.438+/-542.099 χ^2/NDF: 28.4/36

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2544.541+/-0.452 χ^2/NDF:102223.5/19

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

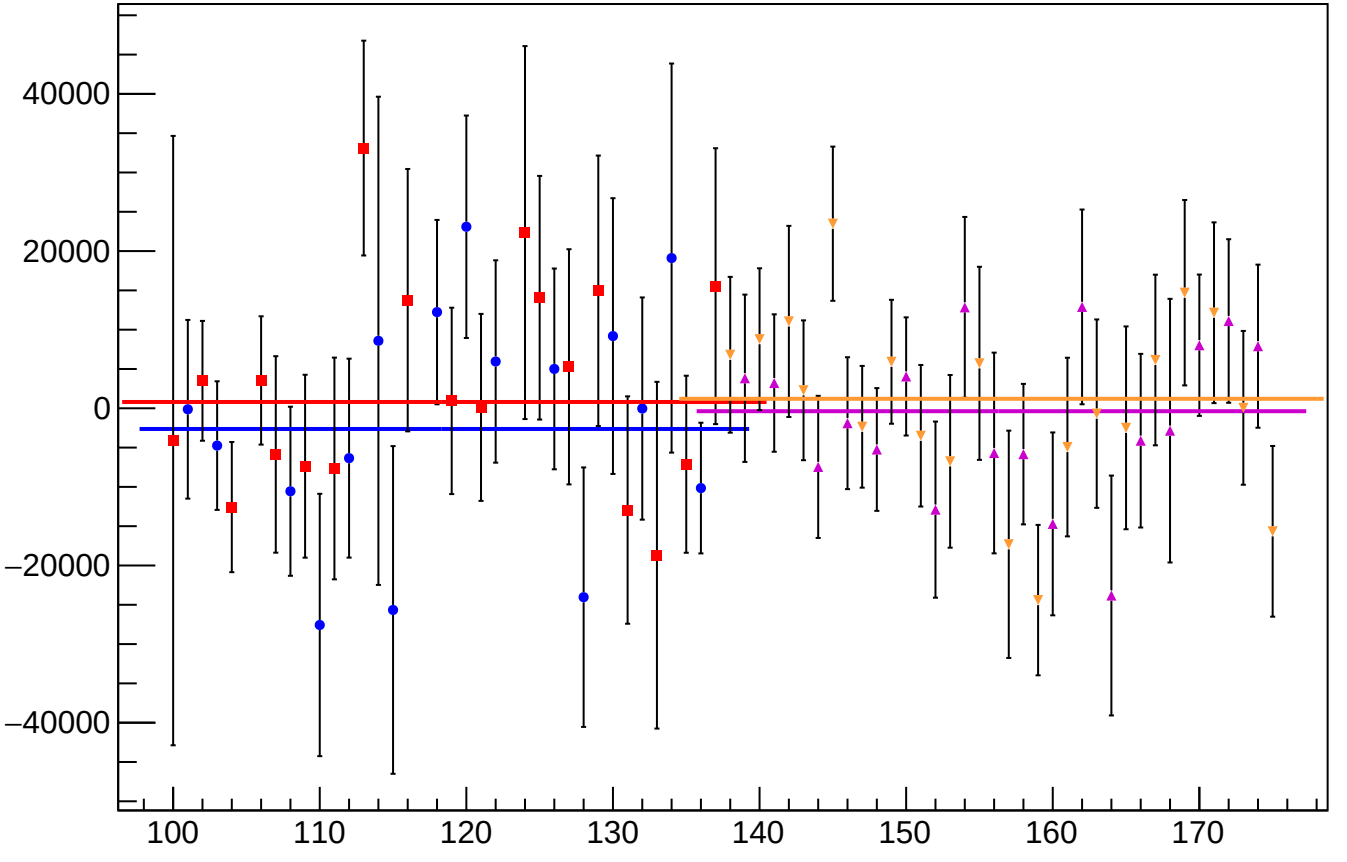
Left In: 2523.531+/-0.463 χ^2/NDF:64982.5/17

+ sign 2567.036+/-0.380 χ^2/NDF: 596538.3/35

All: 2551.435+/-0.270 χ^2/NDF: 1045323.1/72

- sign 2535.566+/-0.383 χ^2/NDF: 445384.7/36

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 1207.099+/-2288.938 χ^2/NDF:22.4/19

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

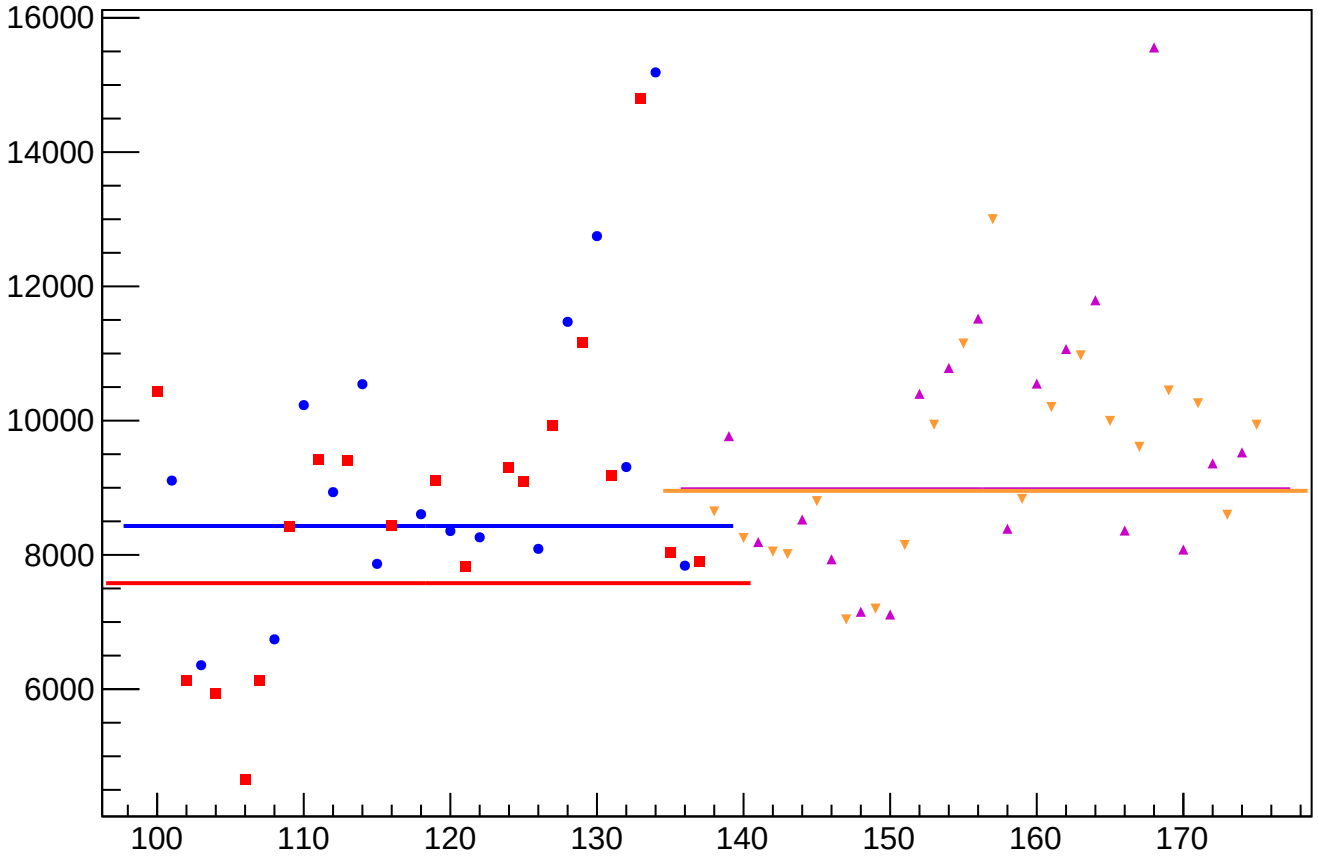
Left In: -370.686+/-2373.745 χ^2/NDF:12.7/17

+ sign -86.126+/-1863.956 χ^2/NDF: 37.2/35

All: 11.422+/-1305.818 χ^2/NDF: 65.4/72

- sign 105.441+/-1829.926 χ^2/NDF: 28.2/36

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8954.437+/-1.619 χ^2/NDF:700671.1/19

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

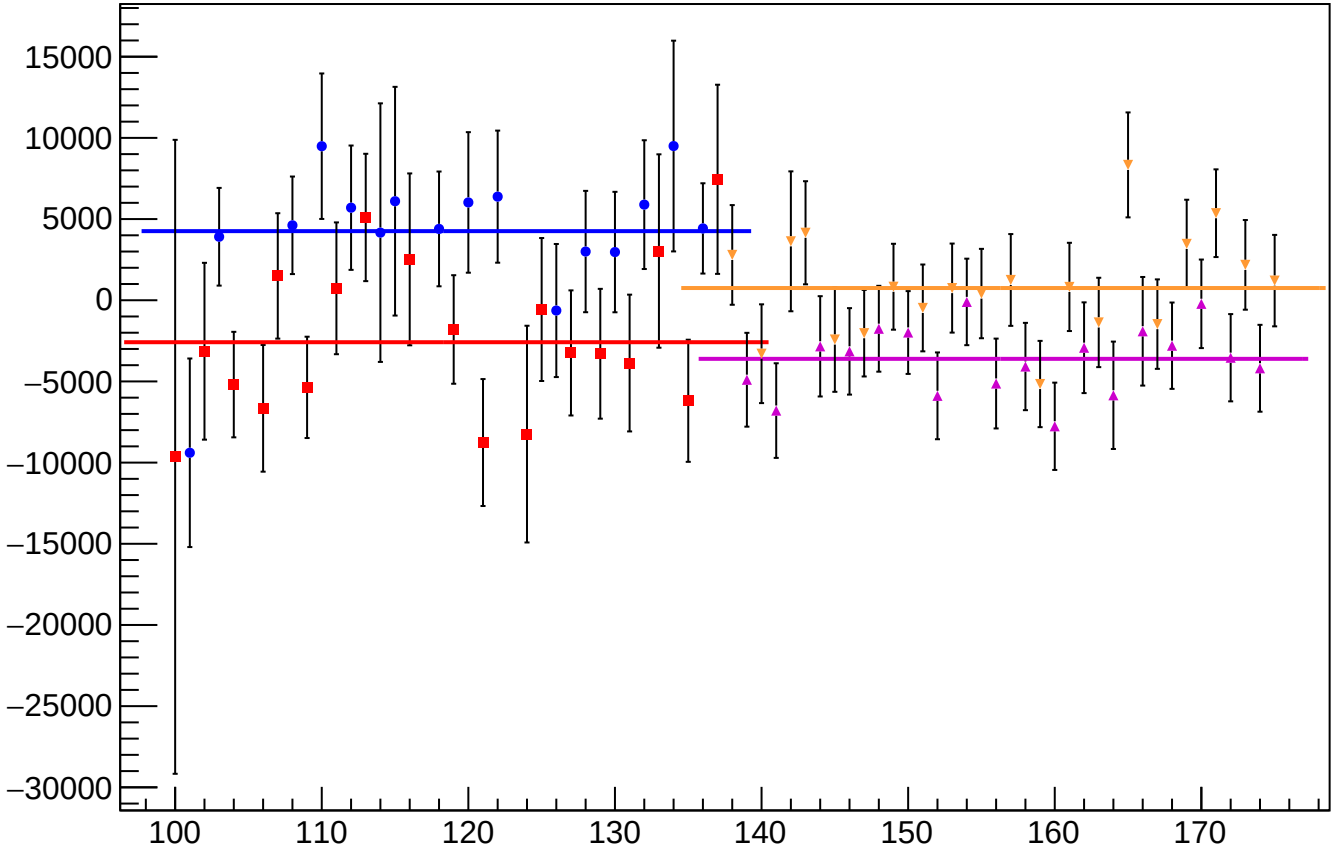
Left In: 8977.321+/-1.678 χ^2/NDF:969013.1/17

+ sign 8778.032+/-1.318 χ^2/NDF: 1316230.0/35

All: 8590.653+/-0.923 χ^2/NDF: 3580589.7/72

- sign 8410.054+/-1.294 χ^2/NDF: 2224667.7/36

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 752.638+/-639.755 χ^2/NDF:22.0/19

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

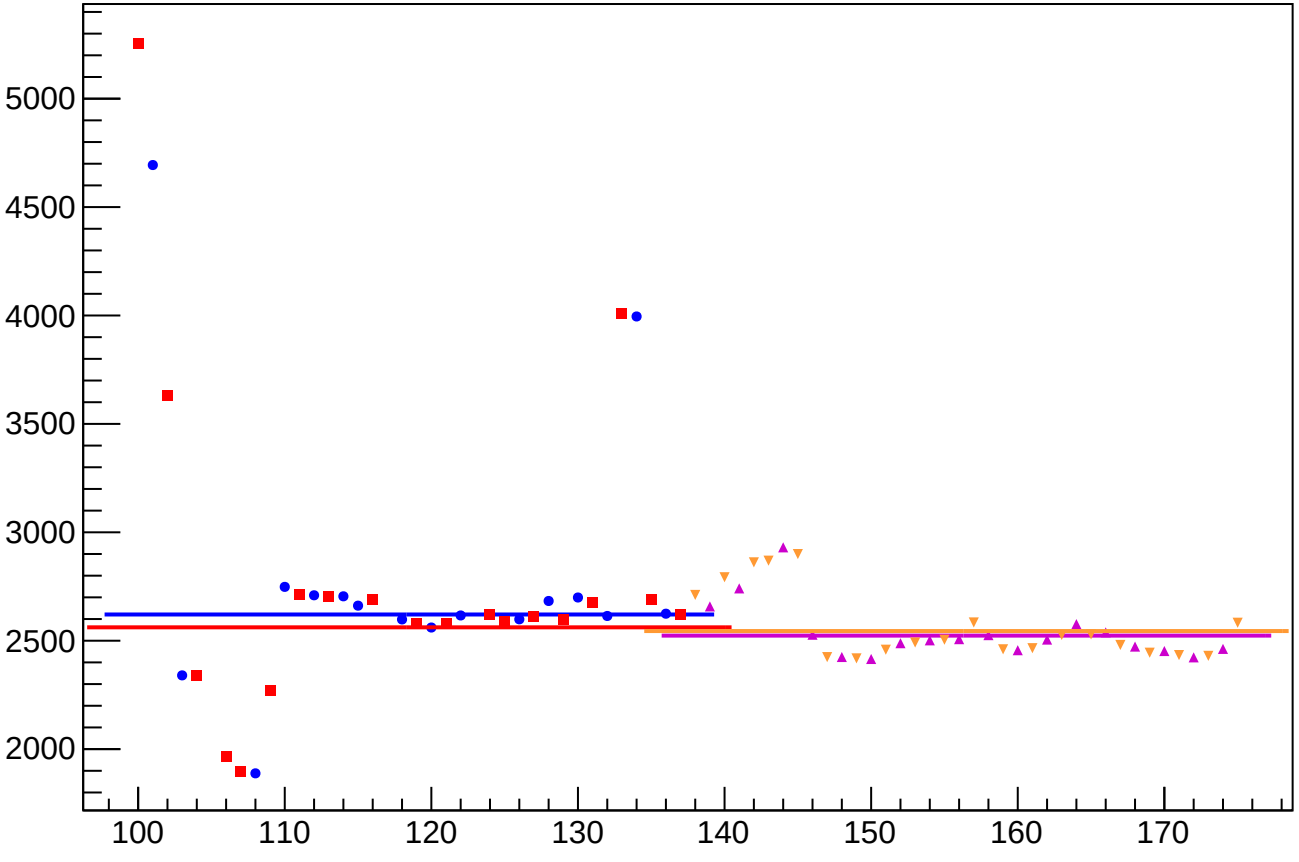
Left In: -3608.980+/-654.936 χ^2/NDF:10.0/17

+ sign 1784.156+/-537.412 χ^2/NDF: 40.9/35

All: -729.128+/-381.654 χ^2/NDF: 113.5/72

- sign -3286.444+/-542.099 χ^2/NDF: 28.4/36

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2544.543+/-0.452 χ^2/NDF:102223.7/19

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

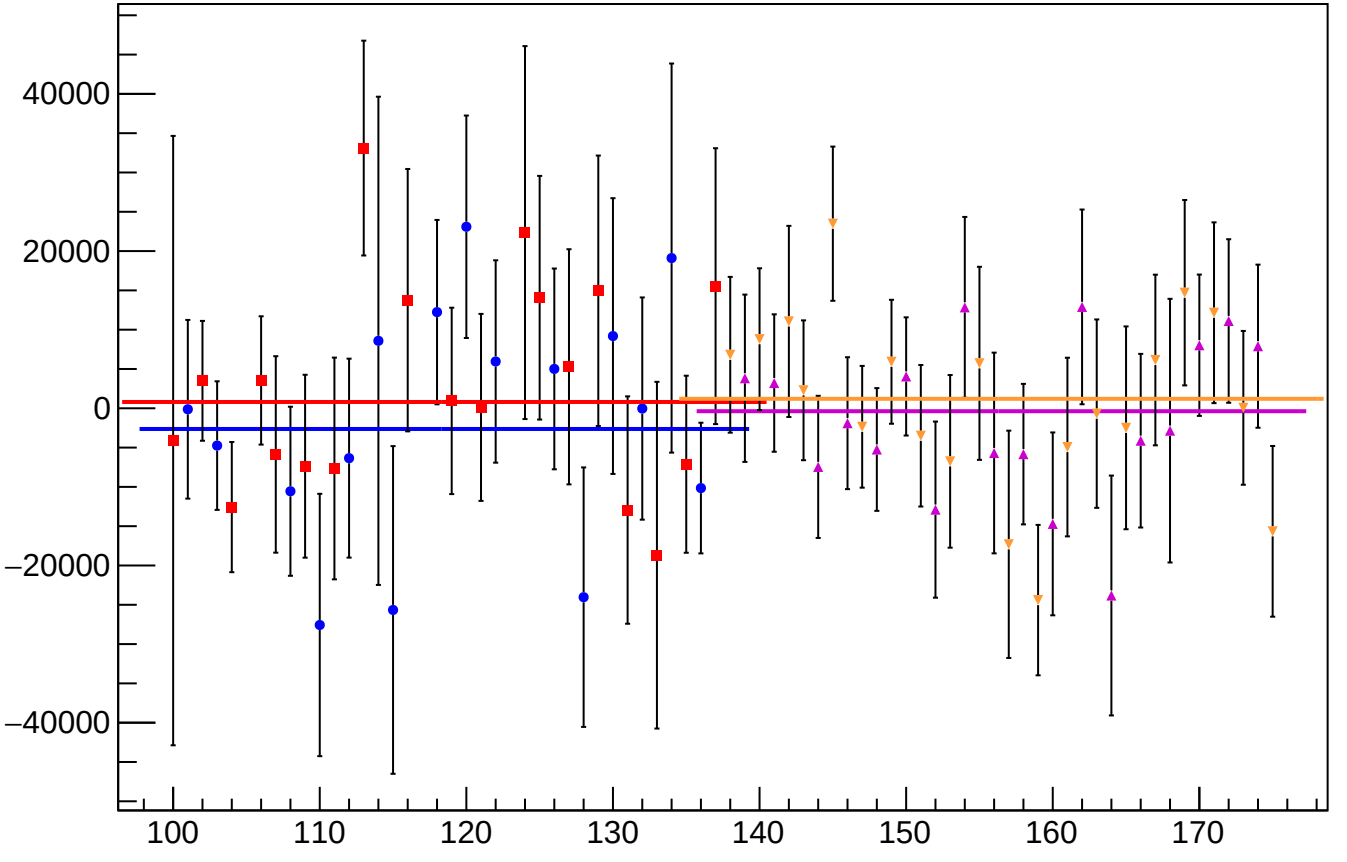
Left In: 2523.534+/-0.463 χ^2/NDF:64982.4/17

+ sign 2567.038+/-0.380 χ^2/NDF: 596538.1/35

All: 2551.436+/-0.270 χ^2/NDF: 1045322.0/72

- sign 2535.567+/-0.383 χ^2/NDF: 445383.8/36

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1207.096+/-2288.942 χ^2/NDF:22.4/19

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

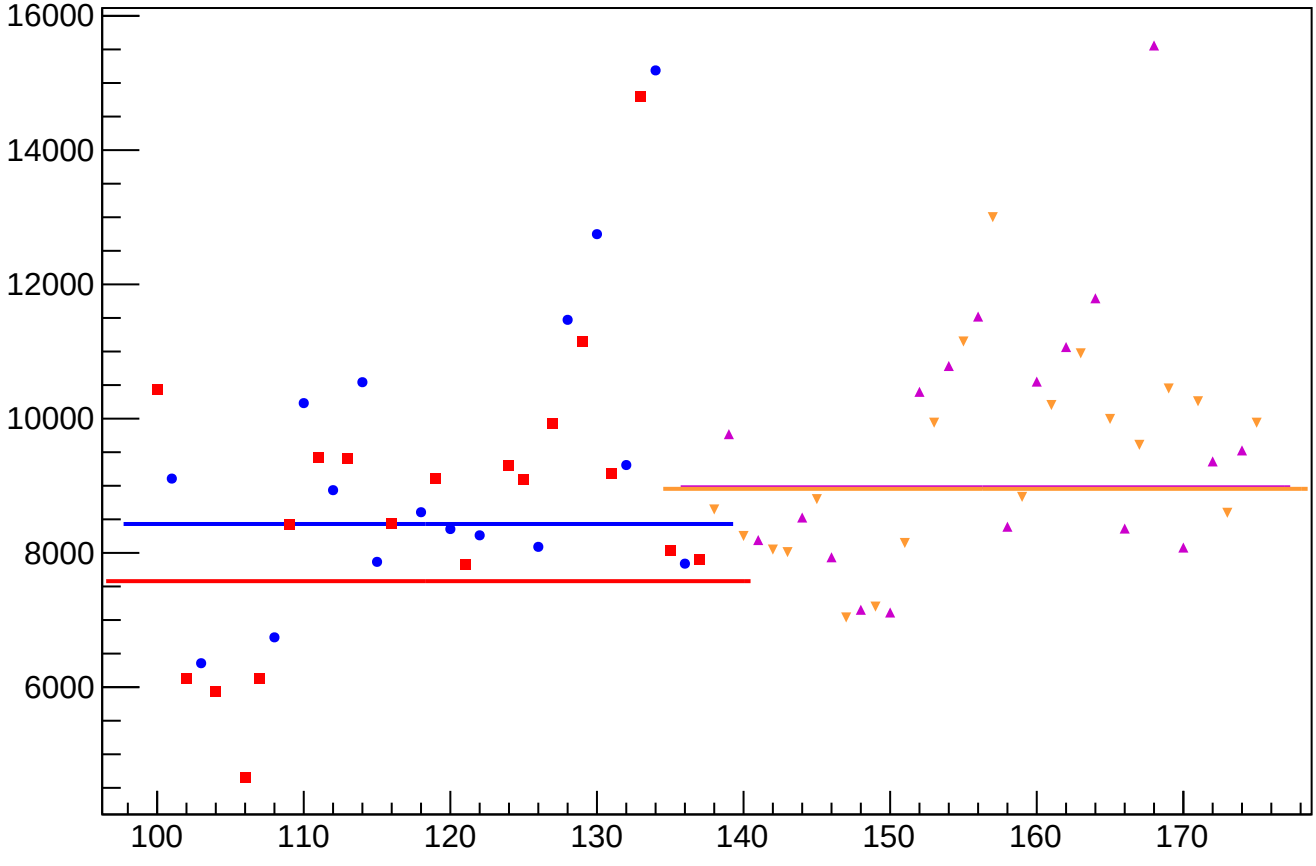
Left In: -370.682+/-2373.749 χ^2/NDF:12.7/17

\+ sign -86.122+/-1863.957 χ^2/NDF: 37.2/35

All: 11.426+/-1305.819 χ^2/NDF: 65.4/72

\- sign 105.444+/-1829.926 χ^2/NDF: 28.2/36

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8954.451+/-1.619 χ^2/NDF:700671.0/19

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

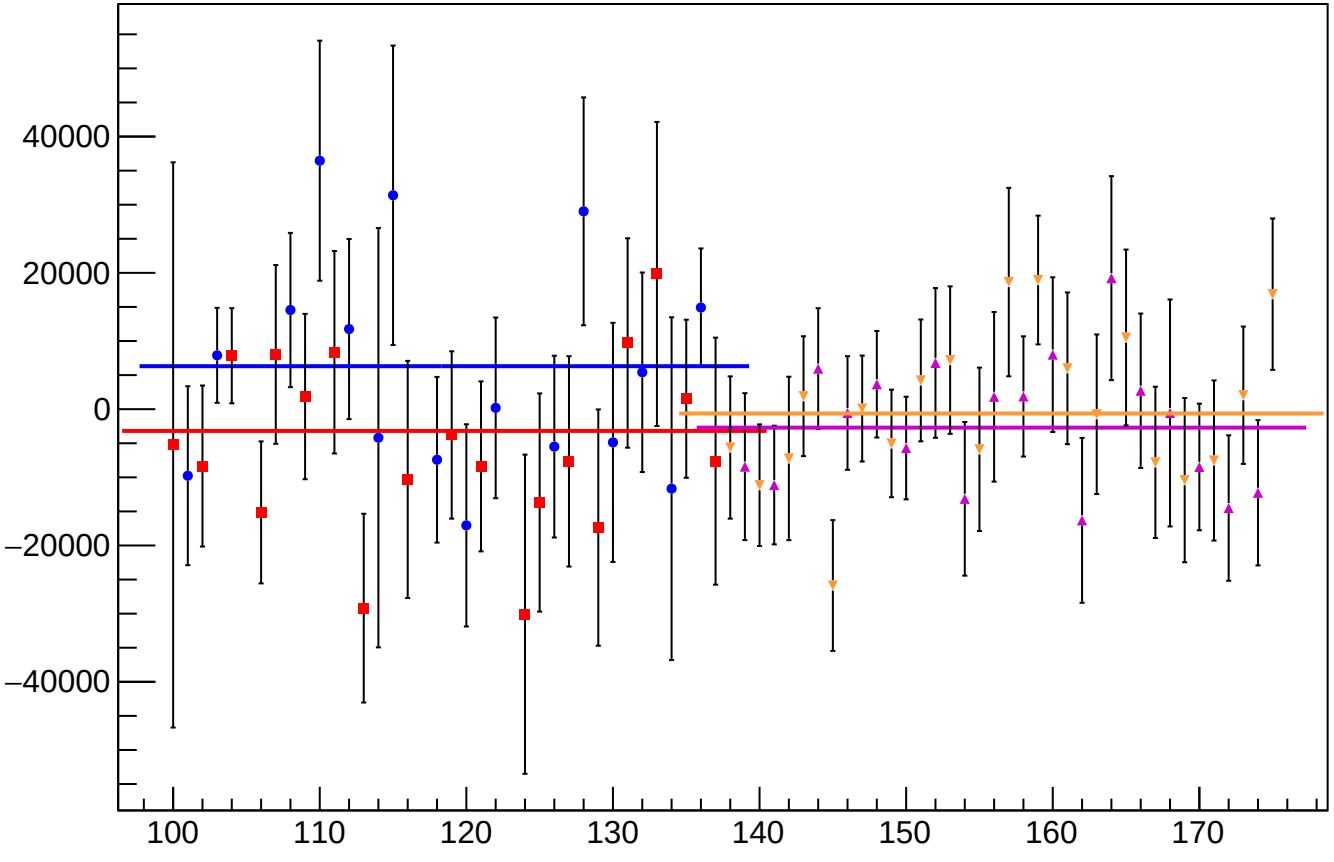
Left In: 8977.334+/-1.678 χ^2/NDF:969014.2/17

+ sign 8778.038+/-1.318 χ^2/NDF: 1316227.5/35

All: 8590.656+/-0.923 χ^2/NDF: 3580595.7/72

- sign 8410.055+/-1.294 χ^2/NDF: 2224675.3/36

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -632.412+/-2287.102 χ^2/NDF:21.6/19

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

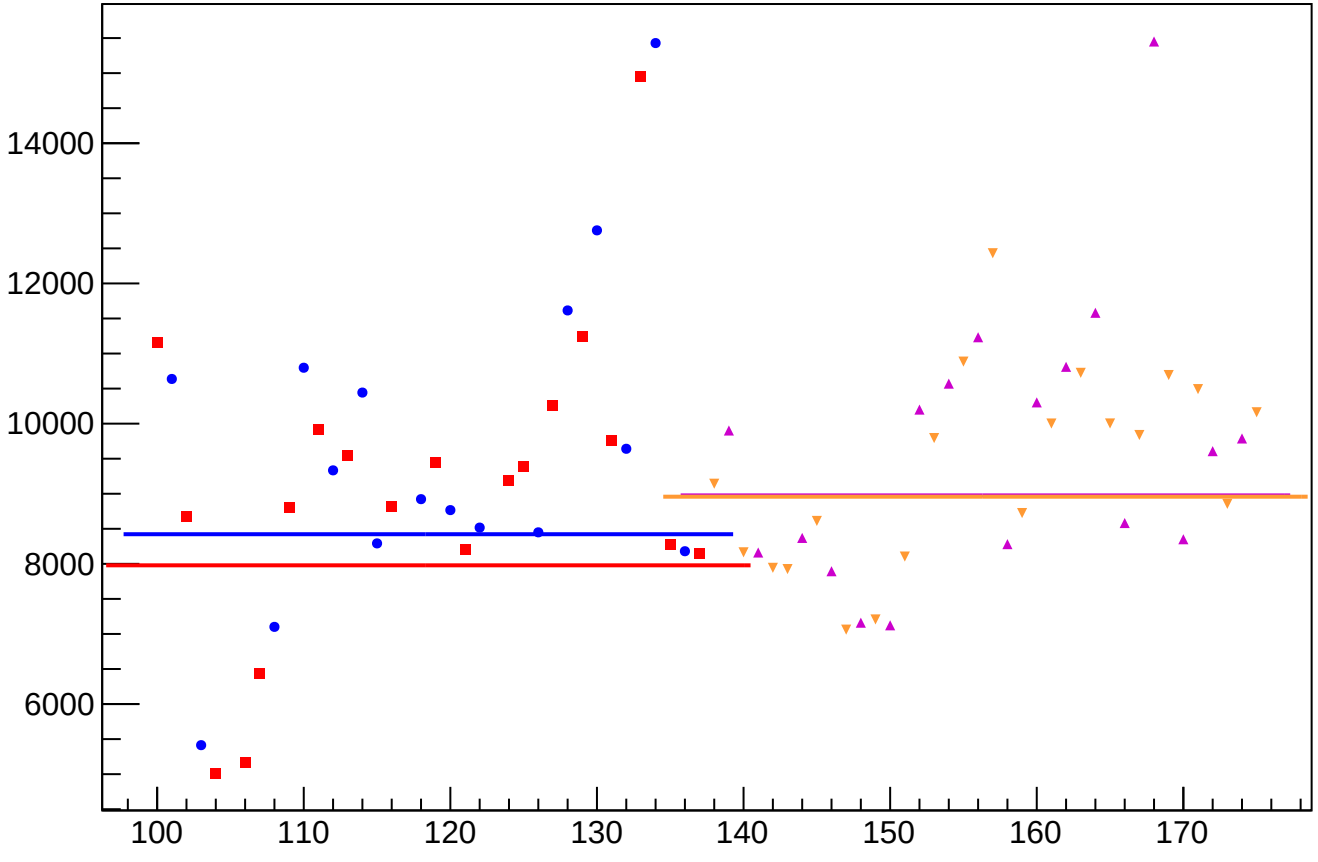
Left In: -2707.898+/-2370.023 χ^2/NDF:12.0/17

+ sign 1675.736+/-1868.420 χ^2/NDF: 39.7/35

All: -597.128+/-1323.746 χ^2/NDF: 68.6/72

- sign -2887.785+/-1875.720 χ^2/NDF: 25.9/36

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8957.929+/-1.617 χ^2/NDF:676042.2/19

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

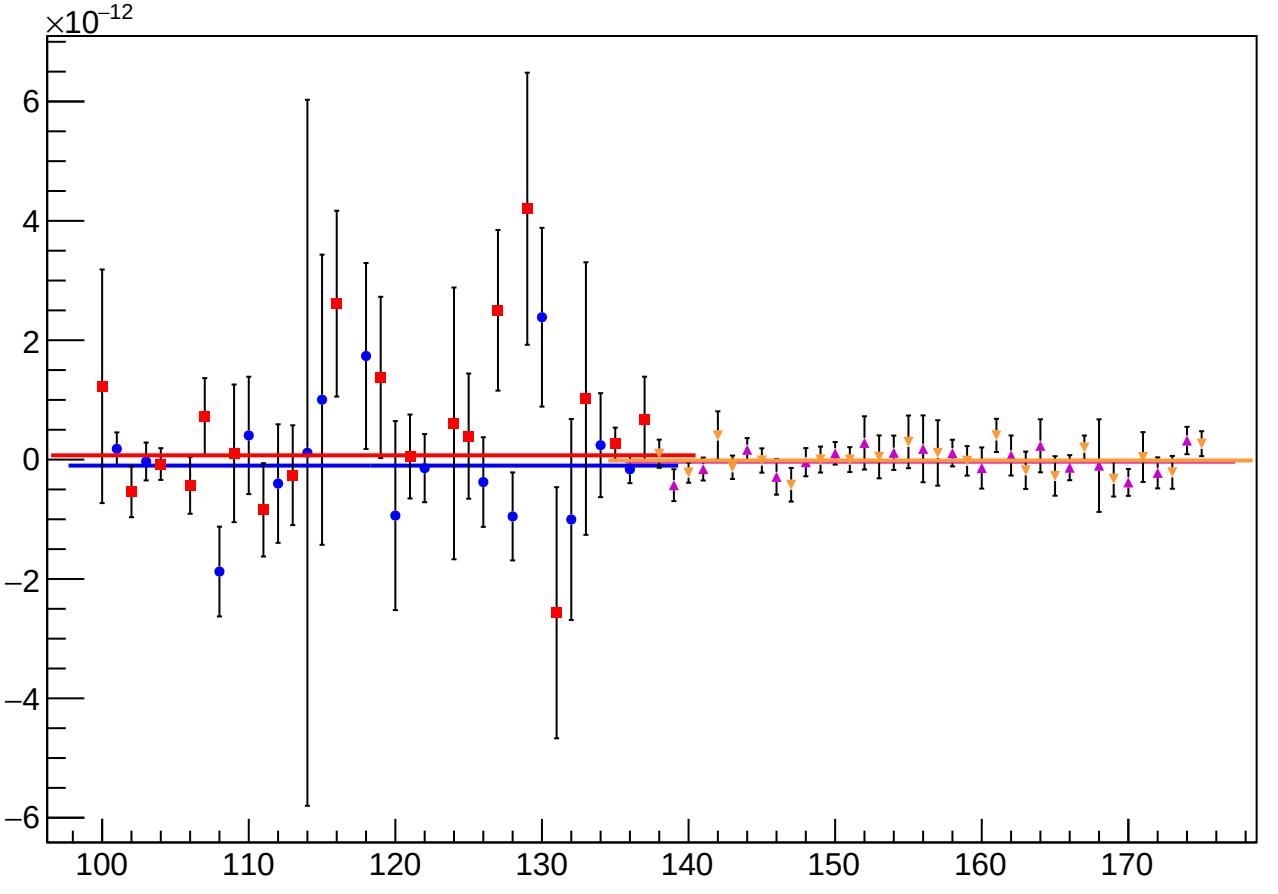
Left In: 8976.548+/-1.676 χ^2/NDF:913797.6/17

+ sign 8779.911+/-1.321 χ^2/NDF: 1594305.2/35

All: 8692.210+/-0.936 χ^2/NDF: 3665356.7/72

- sign 8603.824+/-1.326 χ^2/NDF: 2062204.2/36

asym_atr2_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/19

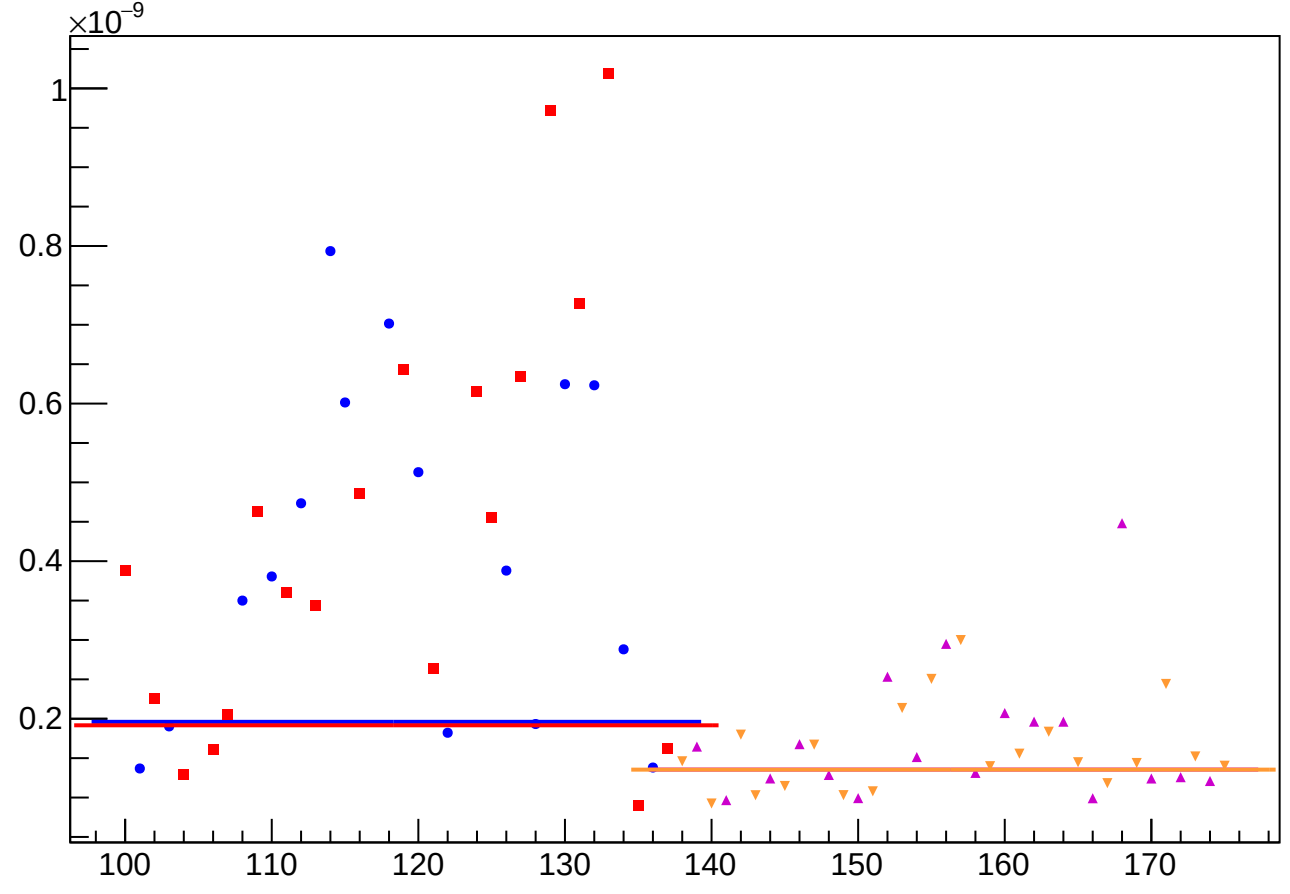
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:12.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 27.4/35

All: -0.000+/-0.000 χ^2/NDF: 59.9/72

- sign -0.000+/-0.000 χ^2/NDF: 32.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:967308.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

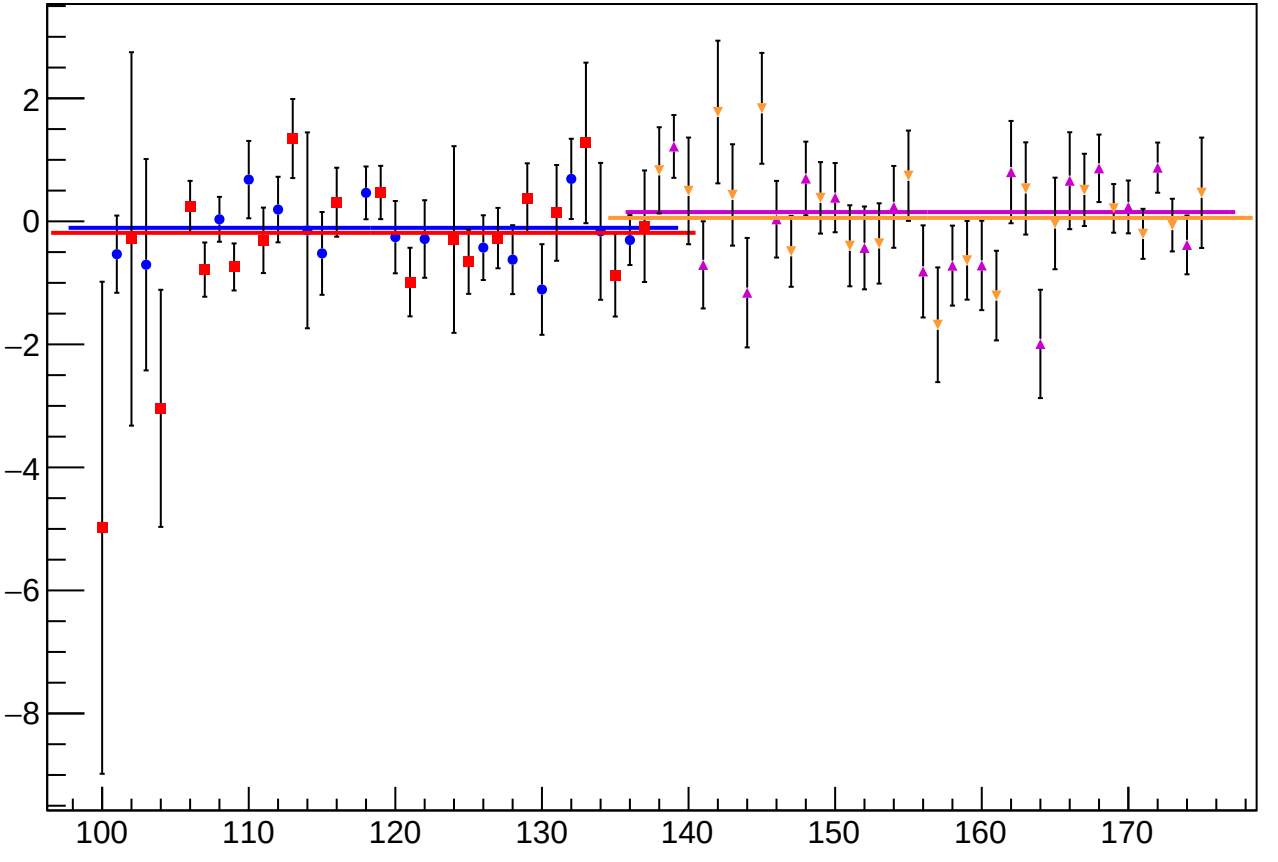
Left In: 0.000+/-0.000 χ^2/NDF:1109806.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 2655309.5/35

All: 0.000+/-0.000 χ^2/NDF: 6104012.5/72

- sign 0.000+/-0.000 χ^2/NDF: 3448702.1/36

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.056+/-0.141 χ^2/NDF:20.2/19

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

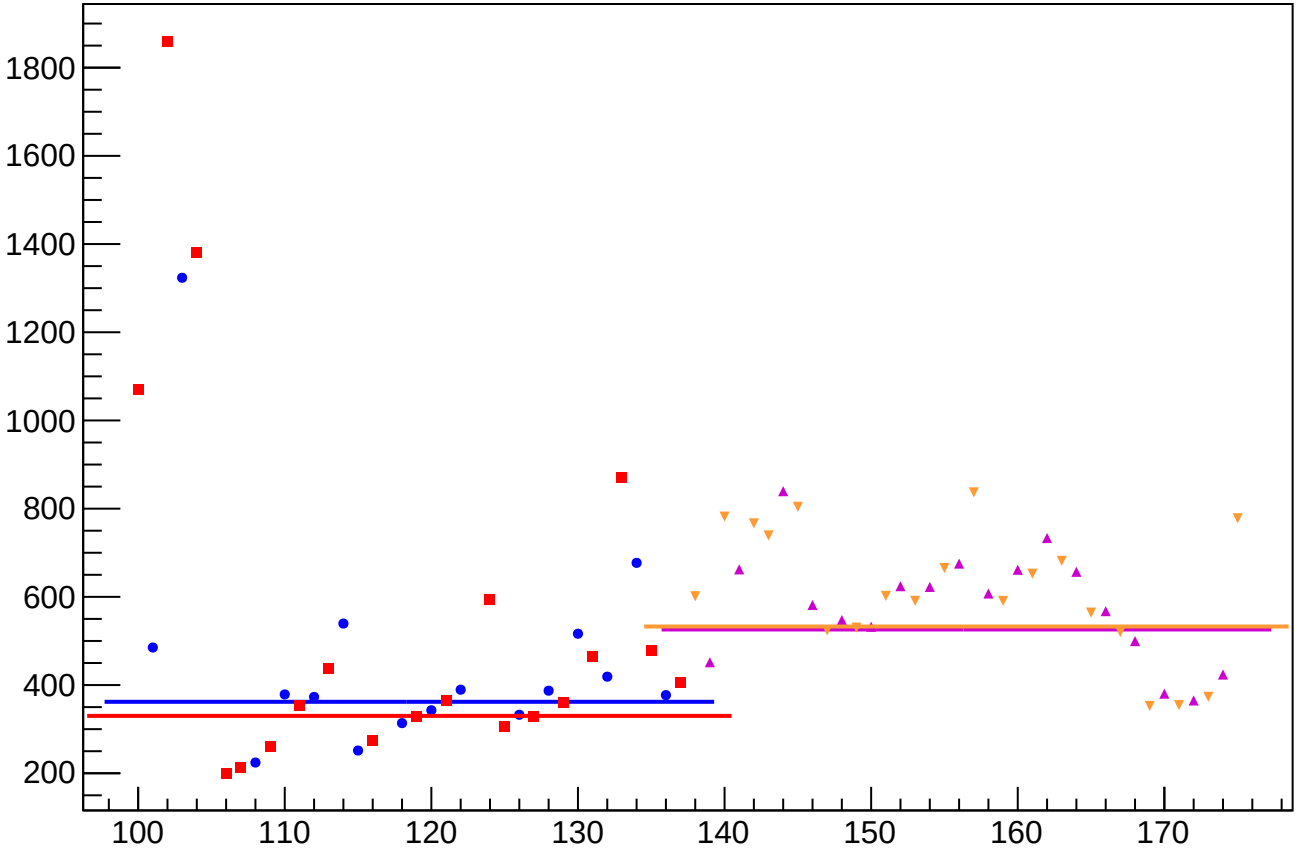
Left In: 0.151+/-0.142 χ^2/NDF:27.7/17

+ sign -0.022+/-0.101 χ^2/NDF: 30.6/35

All: -0.023+/-0.071 χ^2/NDF: 85.1/72

- sign -0.024+/-0.099 χ^2/NDF: 54.5/36

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 532.752+/-0.100 χ^2/NDF:2269742.5/19

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

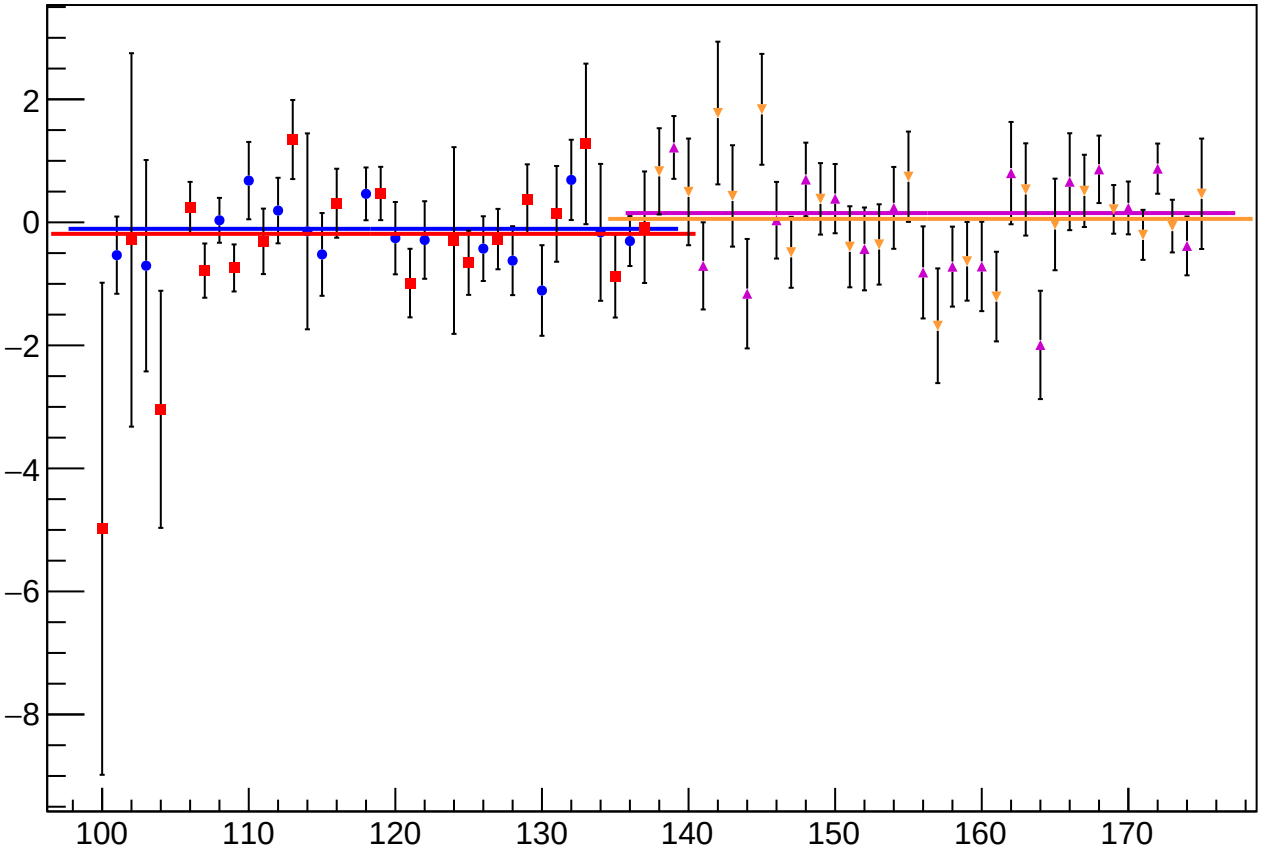
Left In: 526.018+/-0.100 χ^2/NDF:1460267.5/17

+ sign 449.674+/-0.071 χ^2/NDF: 5076432.9/35

All: 436.987+/-0.050 χ^2/NDF: 10811664.8/72

- sign 424.844+/-0.070 χ^2/NDF: 5673388.9/36

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.056+/-0.141 χ^2/NDF:20.2/19

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

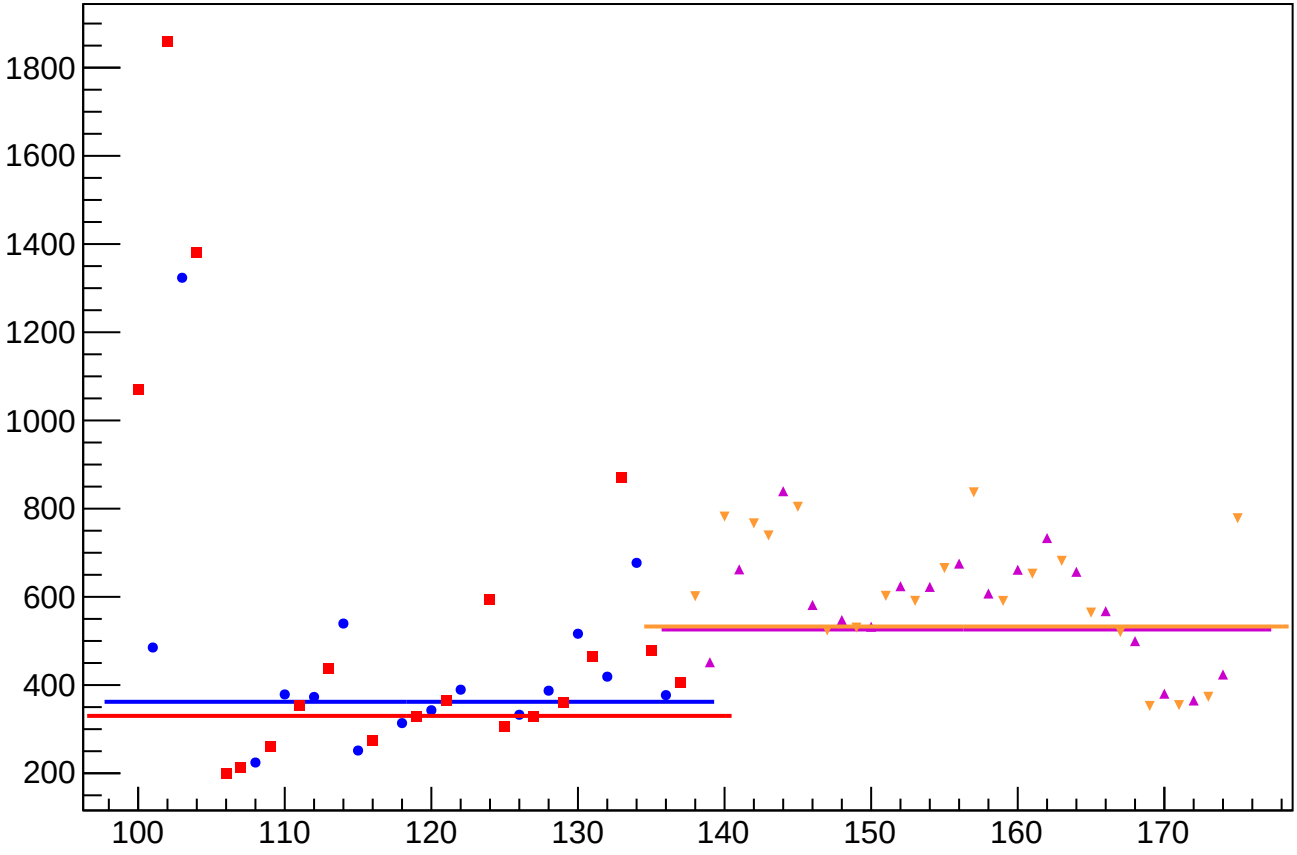
Left In: 0.151+/-0.142 χ^2/NDF:27.7/17

+ sign -0.022+/-0.101 χ^2/NDF: 30.6/35

All: -0.023+/-0.071 χ^2/NDF: 85.1/72

- sign -0.024+/-0.099 χ^2/NDF: 54.5/36

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 532.752+/-0.100 χ^2/NDF:2269742.5/19

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

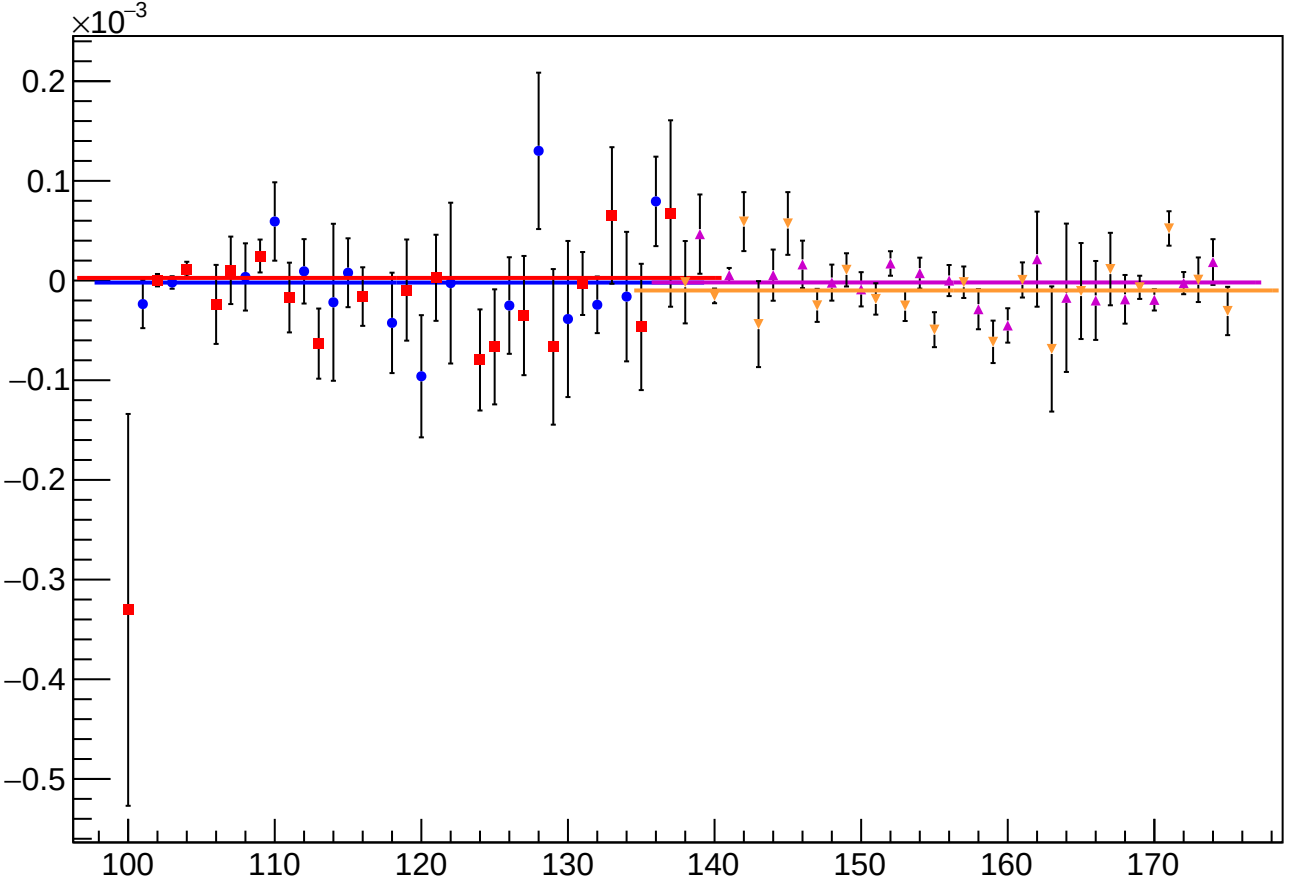
Left In: 526.018+/-0.100 χ^2/NDF:1460267.5/17

+ sign 449.674+/-0.071 χ^2/NDF: 5076432.9/35

All: 436.987+/-0.050 χ^2/NDF: 10811664.8/72

- sign 424.844+/-0.070 χ^2/NDF: 5673388.9/36

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:41.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

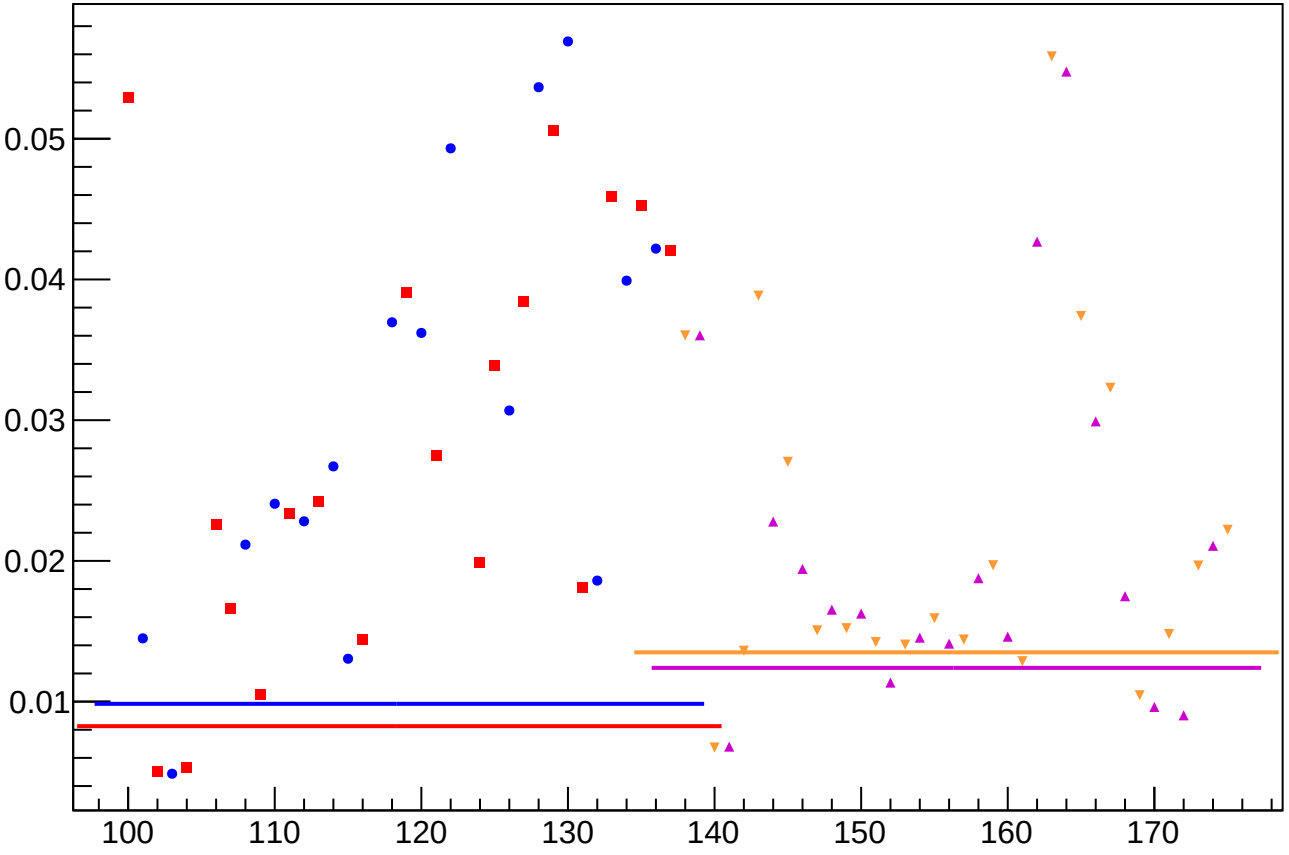
Left In: -0.000+/-0.000 χ^2/NDF:18.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 56.7/35

All: -0.000+/-0.000 χ^2/NDF: 97.2/72

- sign 0.000+/-0.000 χ^2/NDF: 37.4/36

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.014+/-0.000 χ^2/NDF:6107274.9/19

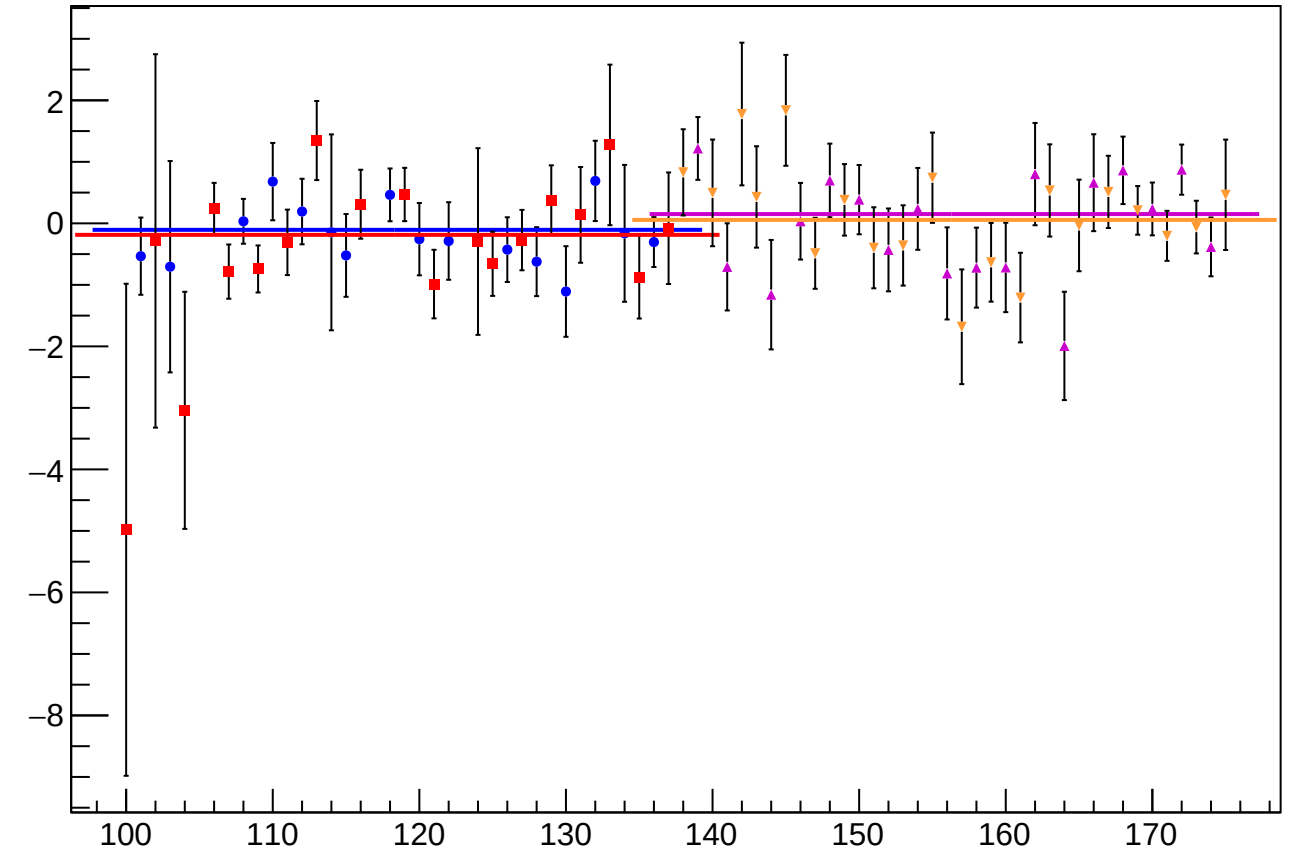
Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.012+/-0.000 χ^2/NDF:5457520.3/17

+ sign 0.012+/-0.000 χ^2/NDF: 13762207.6/35

All: 0.011+/-0.000 χ^2/NDF: 27352250.7/72

- sign 0.011+/-0.000 χ^2/NDF: 13278322.7/36



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.056+/-0.141 χ^2/NDF:20.2/19

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

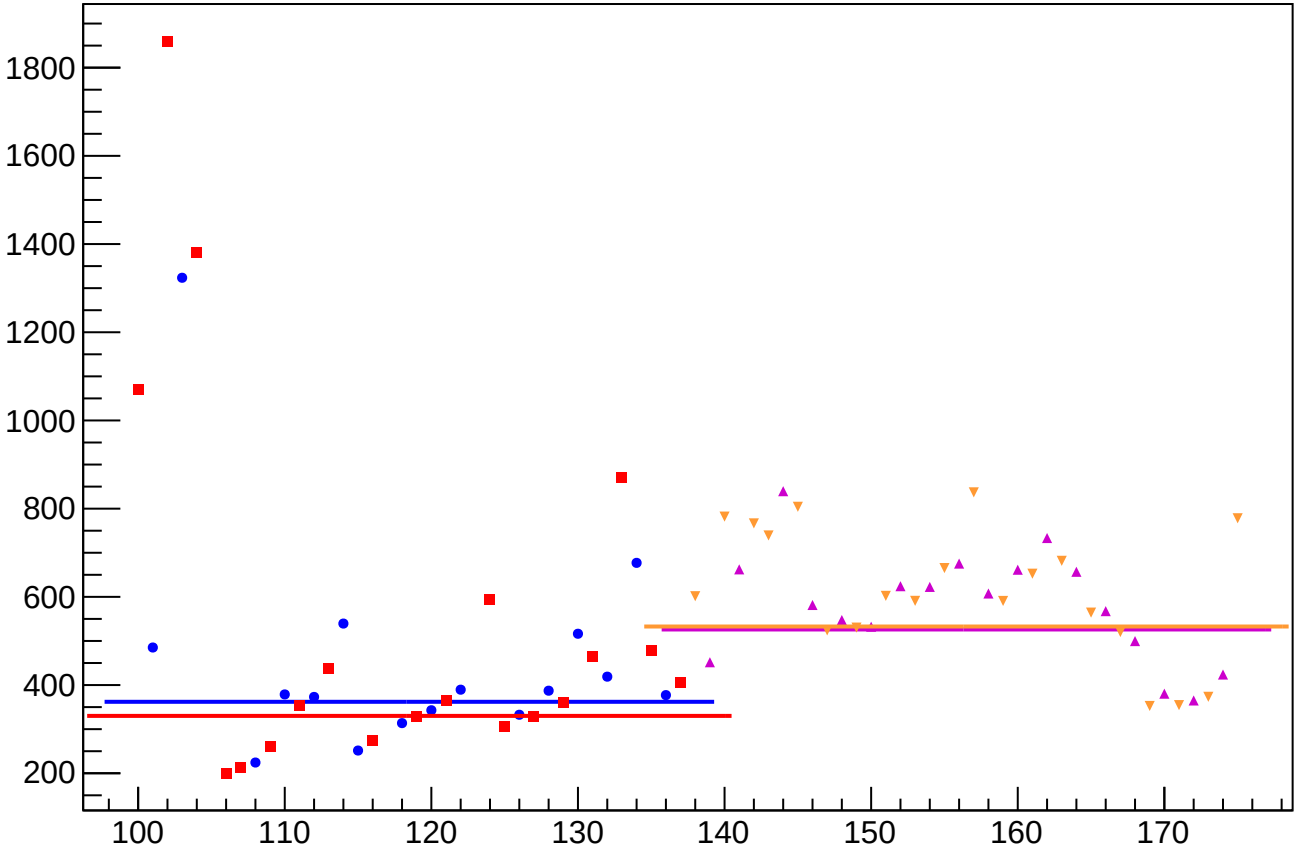
Left In: 0.151+/-0.142 χ^2/NDF:27.7/17

+ sign -0.022+/-0.101 χ^2/NDF: 30.6/35

All: -0.023+/-0.071 χ^2/NDF: 85.1/72

- sign -0.024+/-0.099 χ^2/NDF: 54.5/36

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 532.756+/-0.100 χ^2/NDF:2269851.4/19

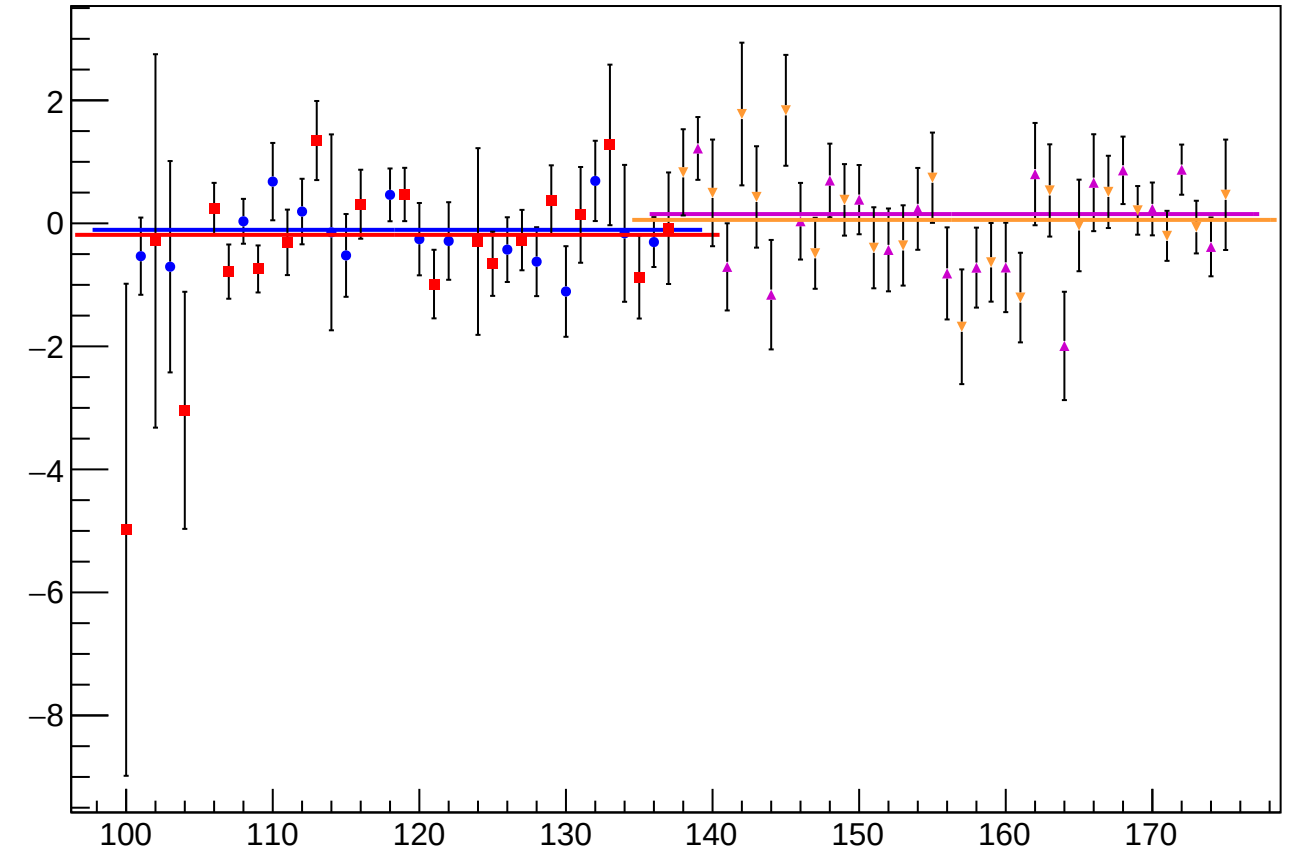
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 526.023+/-0.100 χ^2/NDF:1460317.0/17

+ sign 449.673+/-0.071 χ^2/NDF: 5076651.9/35

All: 436.987+/-0.050 χ^2/NDF: 10812042.7/72

- sign 424.845+/-0.070 χ^2/NDF: 5673554.0/36



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.056+/-0.141 χ^2/NDF:20.2/19

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

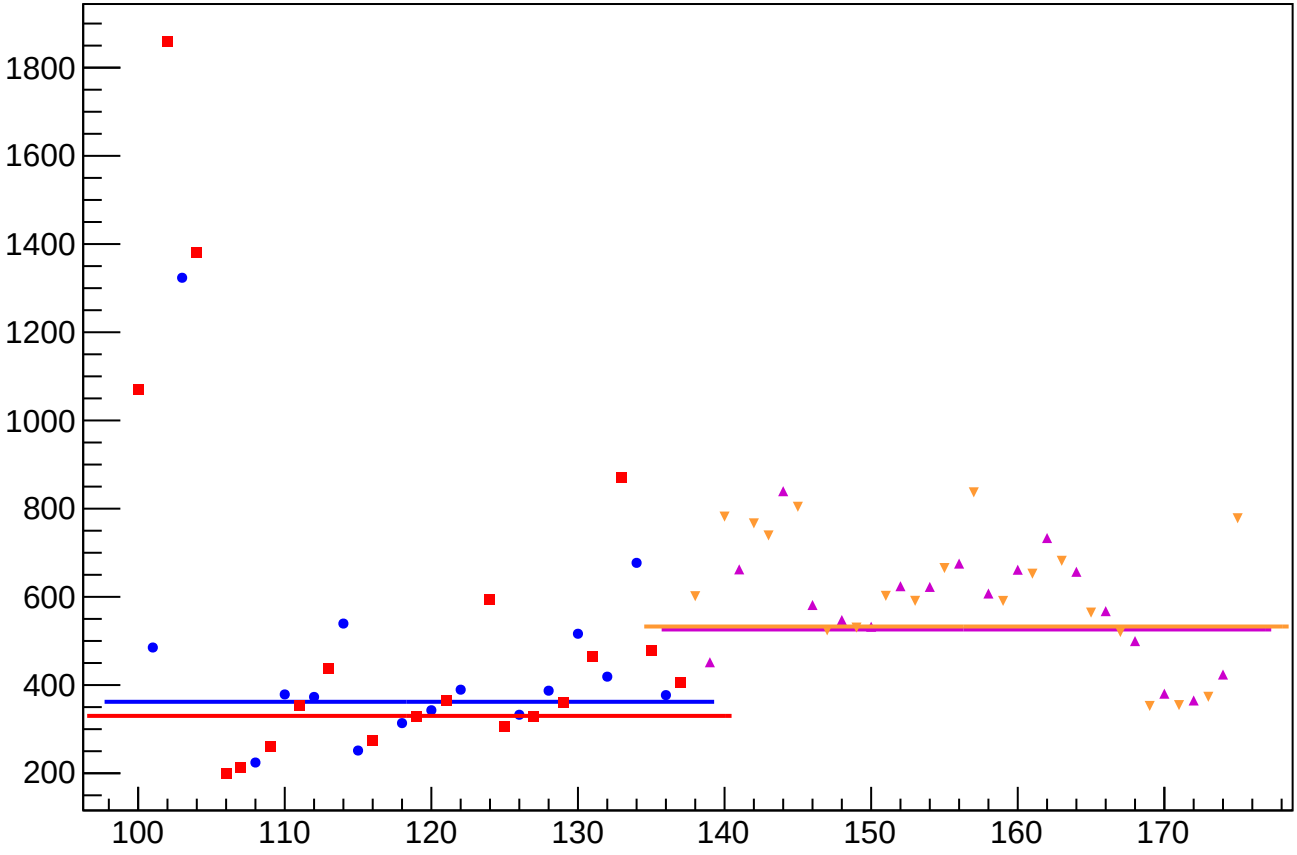
Left In: 0.151+/-0.142 χ^2/NDF:27.7/17

+ sign -0.022+/-0.101 χ^2/NDF: 30.6/35

All: -0.023+/-0.071 χ^2/NDF: 85.1/72

- sign -0.024+/-0.099 χ^2/NDF: 54.5/36

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 532.756+/-0.100 χ^2/NDF:2269851.4/19

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

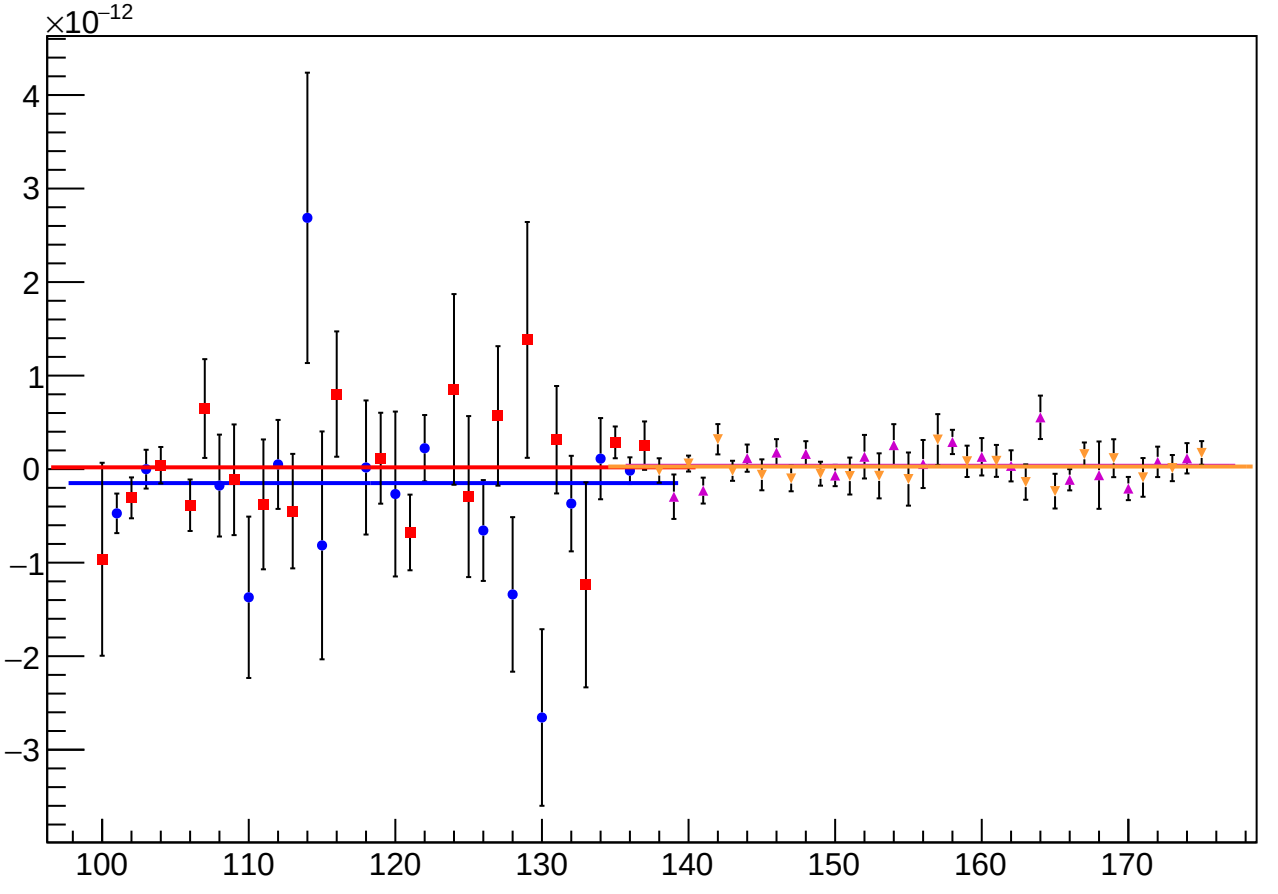
Left In: 526.023+/-0.100 χ^2/NDF:1460317.0/17

+ sign 449.673+/-0.071 χ^2/NDF: 5076651.9/35

All: 436.987+/-0.050 χ^2/NDF: 10812042.7/72

- sign 424.845+/-0.070 χ^2/NDF: 5673554.0/36

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

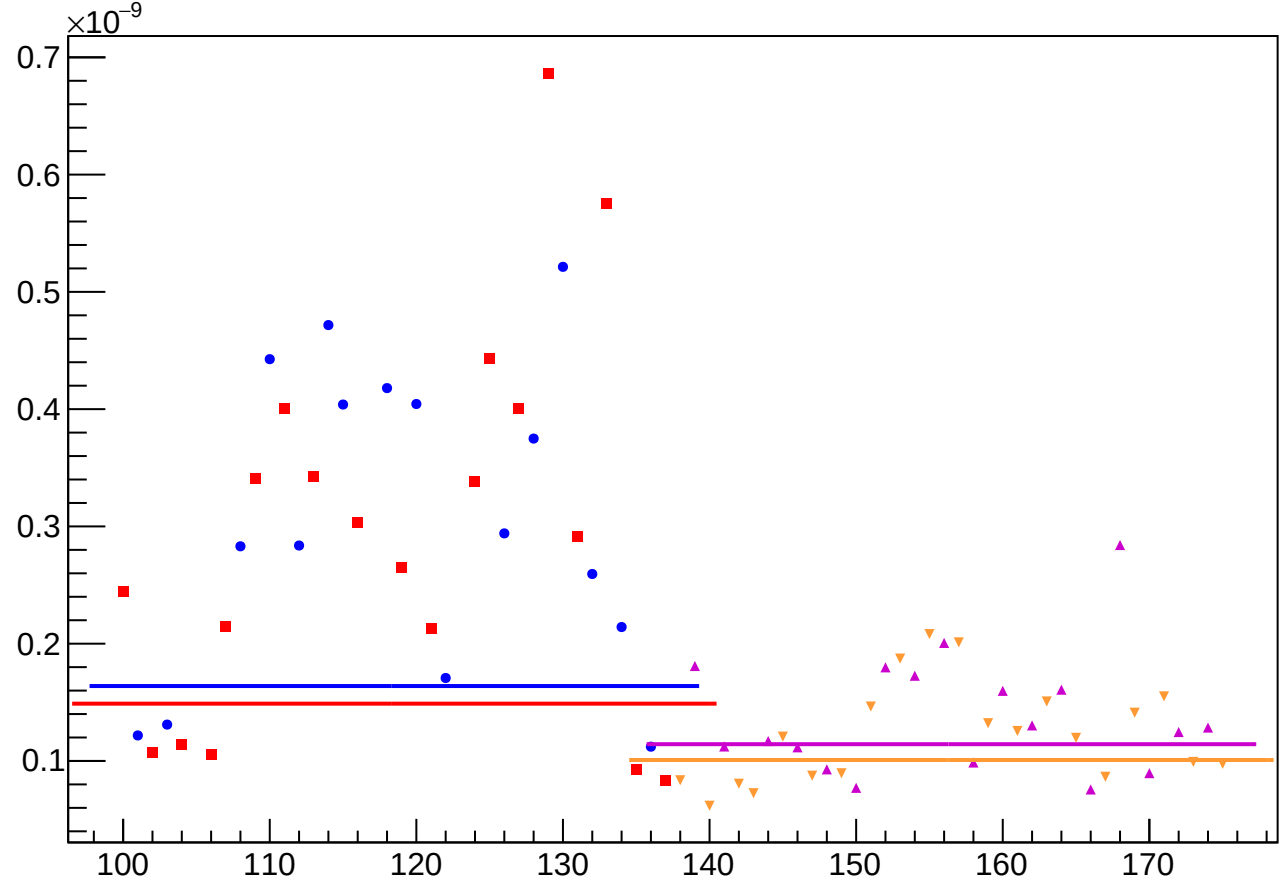
Left In: 0.000+/-0.000 χ^2/NDF:24.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 37.8/35

All: 0.000+/-0.000 χ^2/NDF: 82.4/72

- sign 0.000+/-0.000 χ^2/NDF: 44.3/36

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2126872.7/19

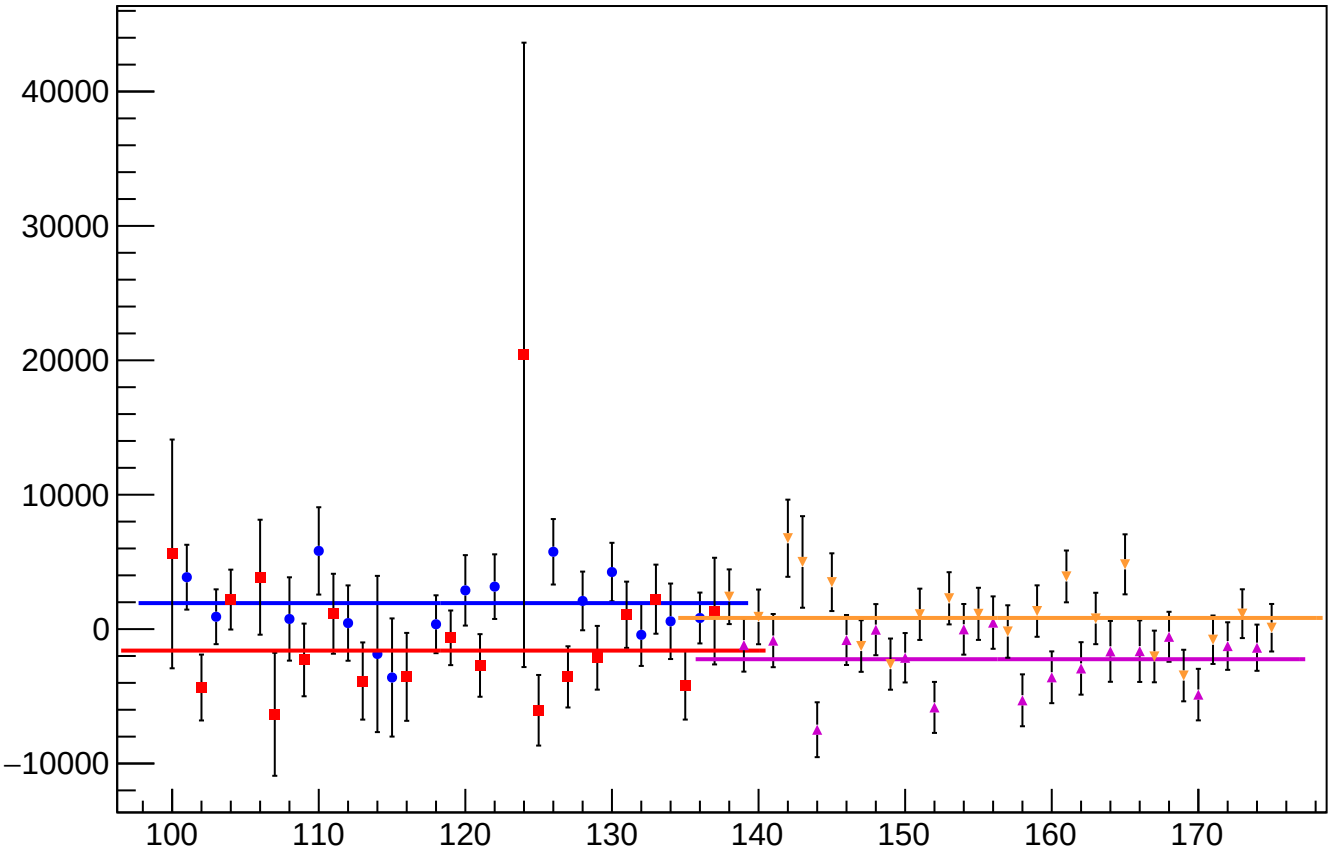
Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1953805.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 5048410.8/35

All: 0.000+/-0.000 χ^2/NDF: 10250249.7/72

- sign 0.000+/-0.000 χ^2/NDF: 5085317.4/36



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 831.207+/-446.659 χ^2/NDF:27.3/19

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

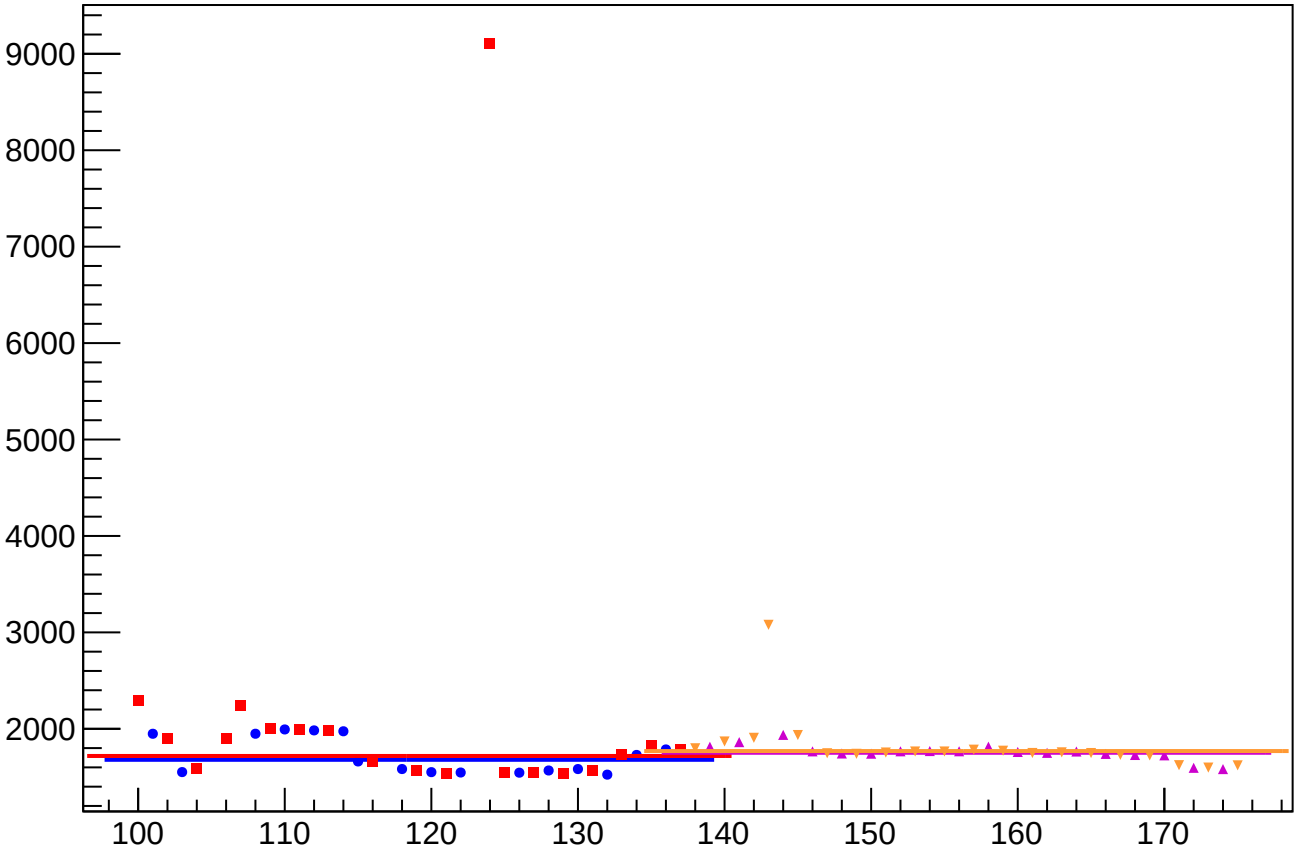
Left In: -2239.143+/-454.547 χ^2/NDF:22.7/17

+ sign 1202.019+/-363.960 χ^2/NDF: 40.2/35

All: -380.581+/-259.818 χ^2/NDF: 121.5/72

- sign -2025.141+/-371.016 χ^2/NDF: 42.8/36

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1769.235+/-0.316 χ^2/NDF:365485.8/19

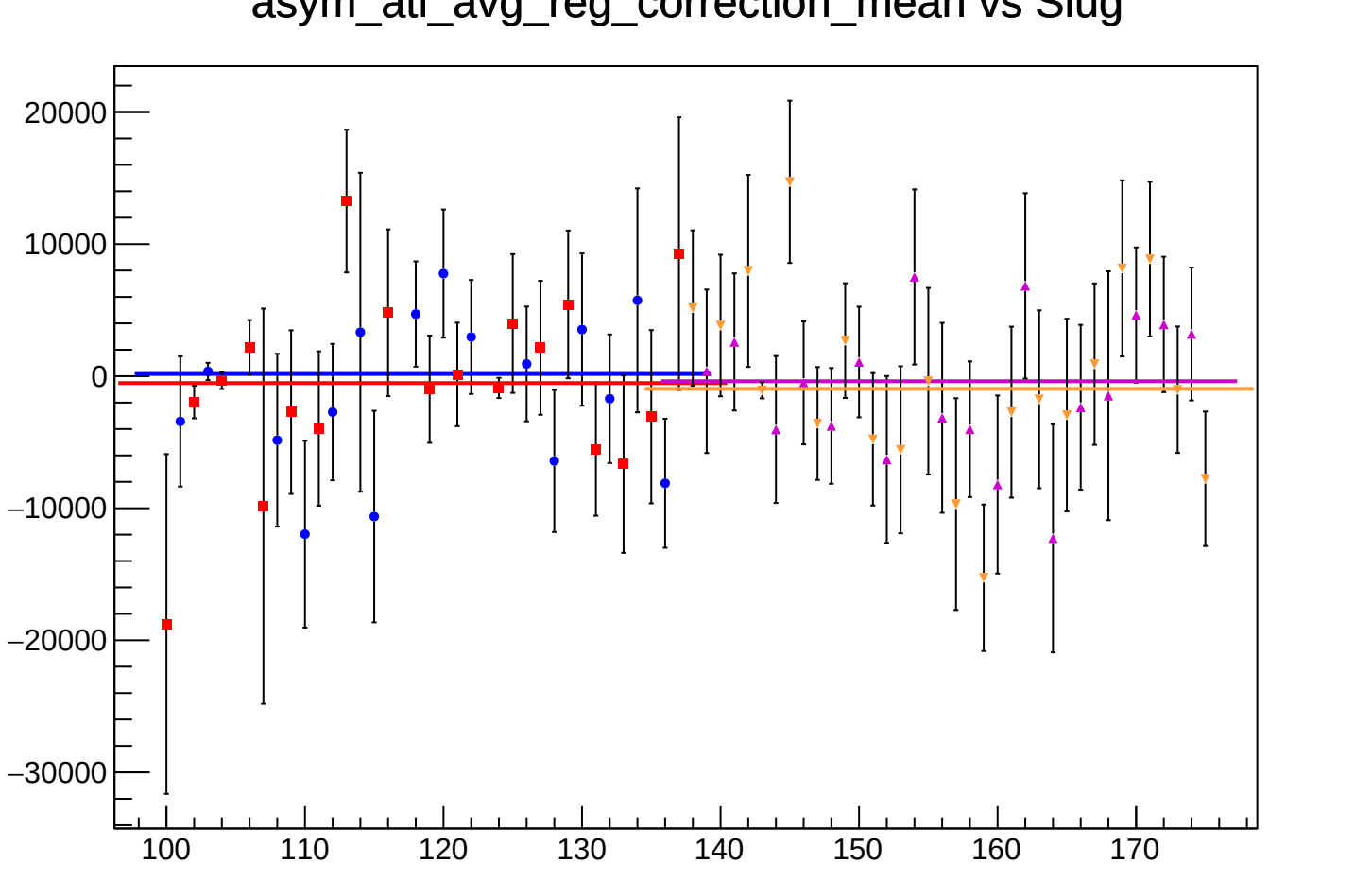
Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1751.557+/-0.321 χ^2/NDF:63302.4/17

+ sign 1738.761+/-0.257 χ^2/NDF: 534674.9/35

All: 1739.561+/-0.184 χ^2/NDF: 984769.5/72

- sign 1740.391+/-0.262 χ^2/NDF: 450074.9/36



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -957.999+/-553.933 χ^2/NDF:26.7/19

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

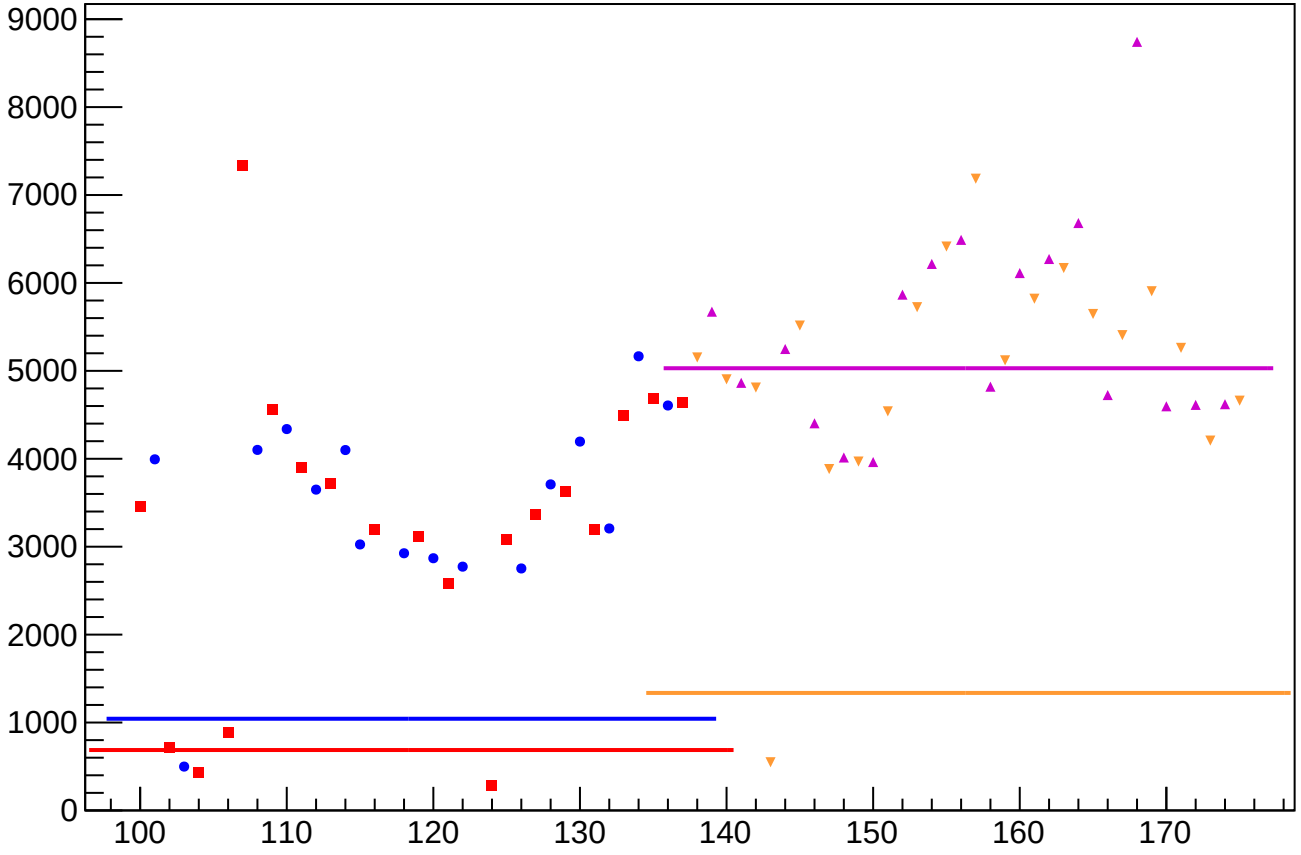
Left In: -379.679+/-1331.354 χ^2/NDF:11.0/17

+ sign -431.859+/-404.353 χ^2/NDF: 44.5/35

All: -469.906+/-286.037 χ^2/NDF: 74.1/72

- sign -508.016+/-404.684 χ^2/NDF: 29.6/36

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1336.697+/-0.392 χ^2/NDF:19678104.4/19

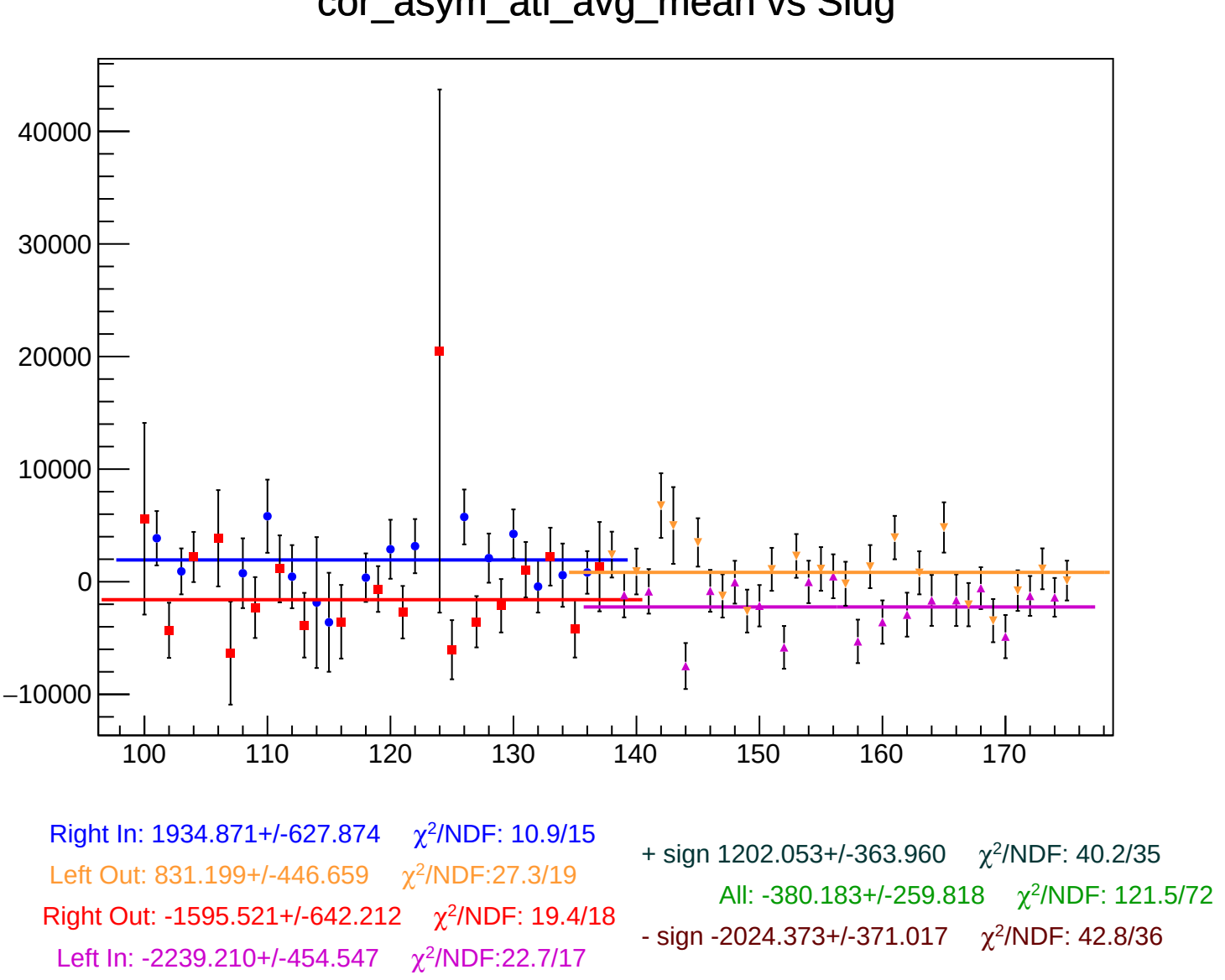
Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5029.830+/-0.941 χ^2/NDF:1028083.7/17

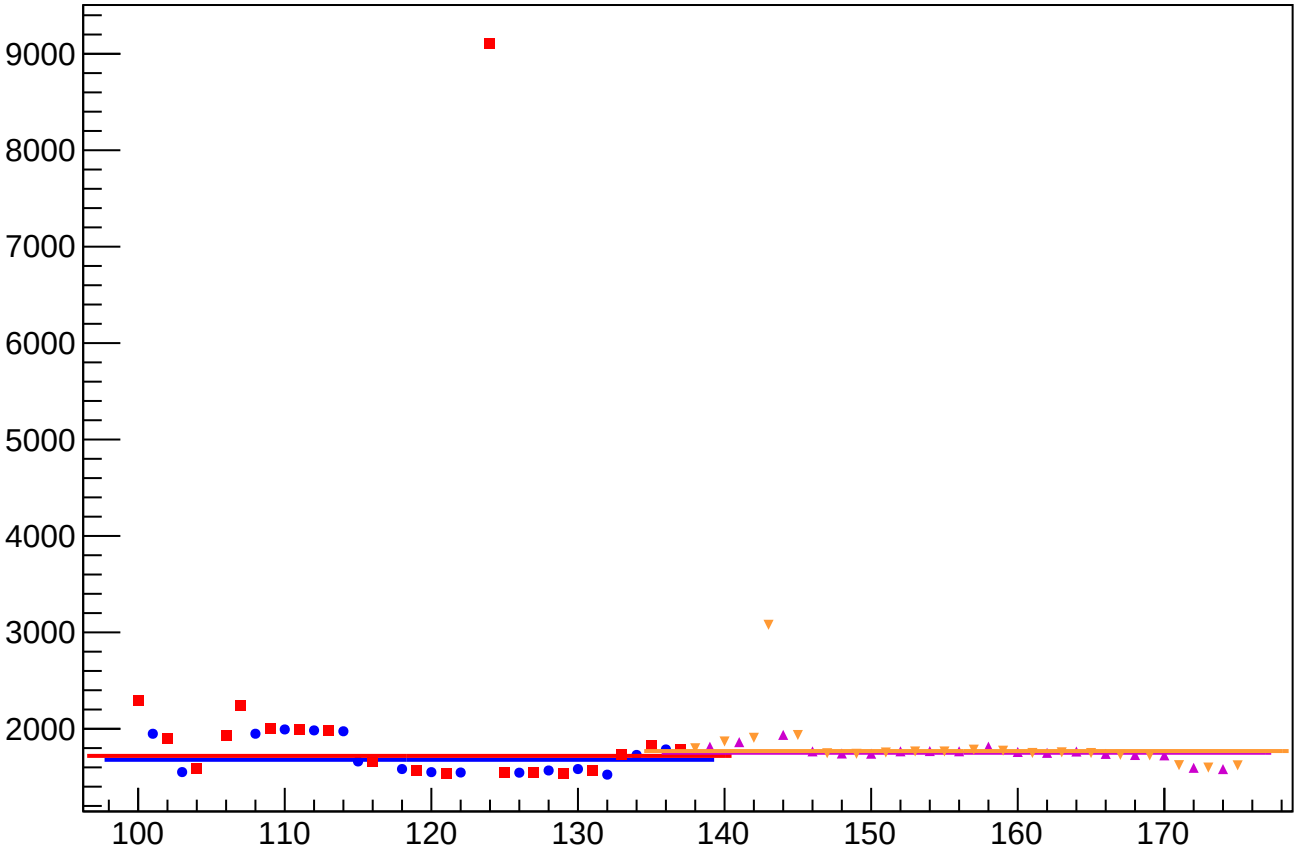
+ sign 1199.552+/-0.286 χ^2/NDF: 28052438.8/35

All: 1144.096+/-0.202 χ^2/NDF: 57099019.2/7

- sign 1088.550+/-0.286 χ^2/NDF: 28971282.5/36


cor_asym_atl_avg_mean vs Slug
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: 1934.871+/-627.874 χ²/NDF: 10.9/15
Left Out: 831.199+/-446.659 χ²/NDF:27.3/19
Right Out: -1595.521+/-642.212 χ²/NDF: 19.4/18
Left In: -2239.210+/-454.547 χ²/NDF:22.7/17
+ sign 1202.053+/-363.960 χ²/NDF: 40.2/35
All: -380.183+/-259.818 χ²/NDF: 121.5/72
- sign -2024.373+/-371.017 χ²/NDF: 42.8/36

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1769.235+/-0.316 χ^2/NDF:365485.7/19

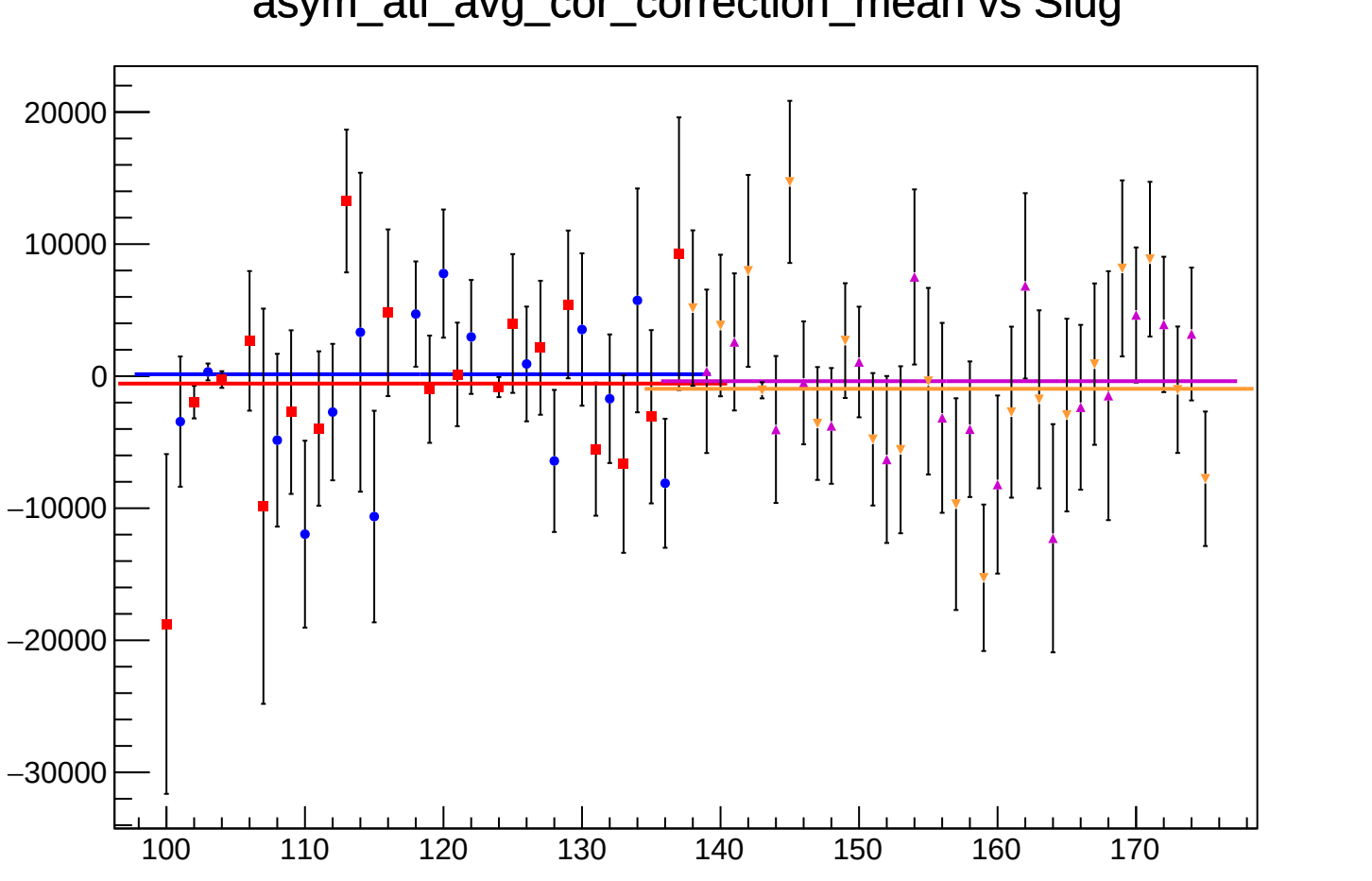
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1751.557+/-0.321 χ^2/NDF:63302.4/17

\+ sign 1738.761+/-0.257 χ^2/NDF: 534675.1/35

All: 1739.702+/-0.184 χ^2/NDF: 986339.9/72

\- sign 1740.678+/-0.262 χ^2/NDF: 451637.6/36



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -957.669+/-553.914 χ^2/NDF:26.7/19

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

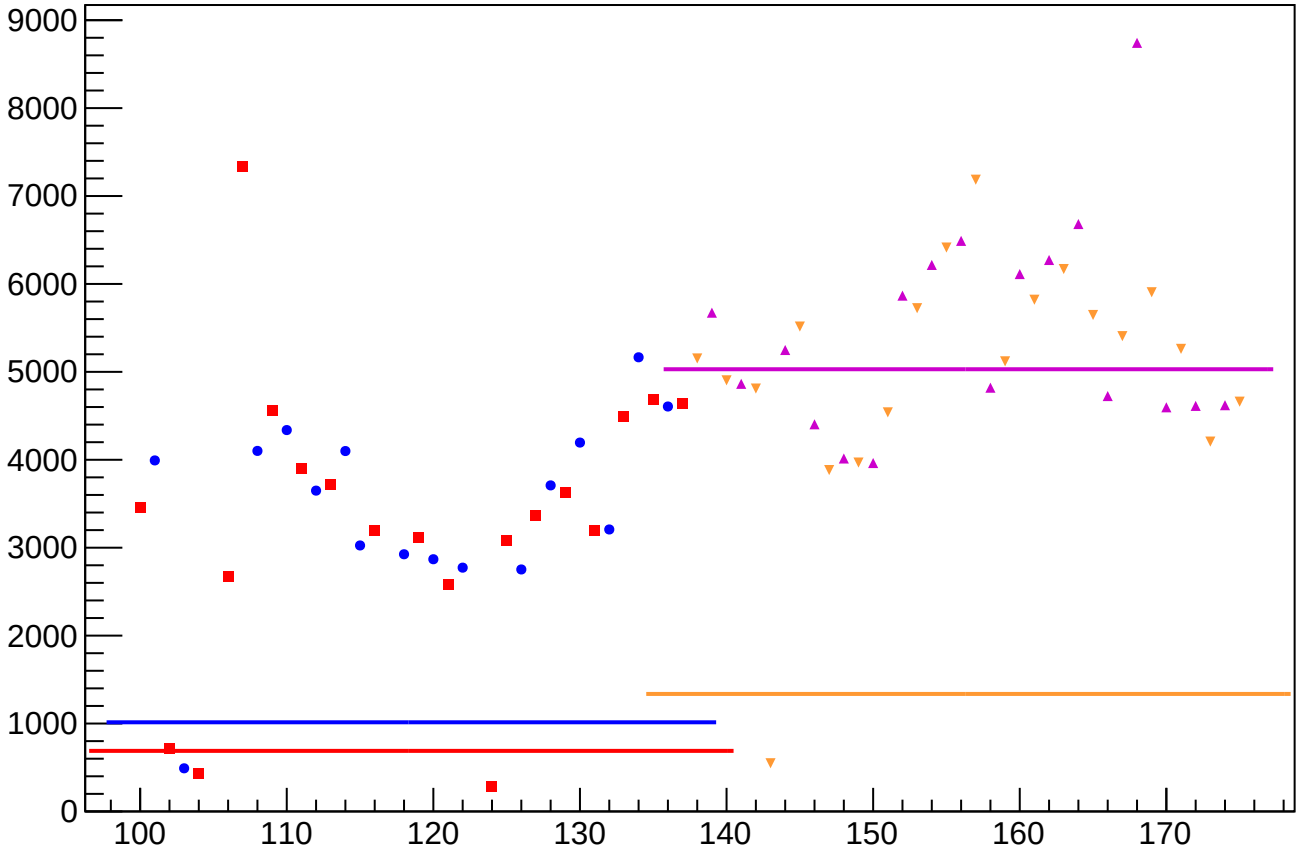
Left In: -379.785+/-1331.354 χ^2/NDF:11.0/17

+ sign -430.338+/-400.369 χ^2/NDF: 44.4/35

All: -485.978+/-286.353 χ^2/NDF: 72.7/72

- sign -544.249+/-409.722 χ^2/NDF: 28.2/36

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1336.626+/-0.392 χ^2/NDF:19678576.8/19

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

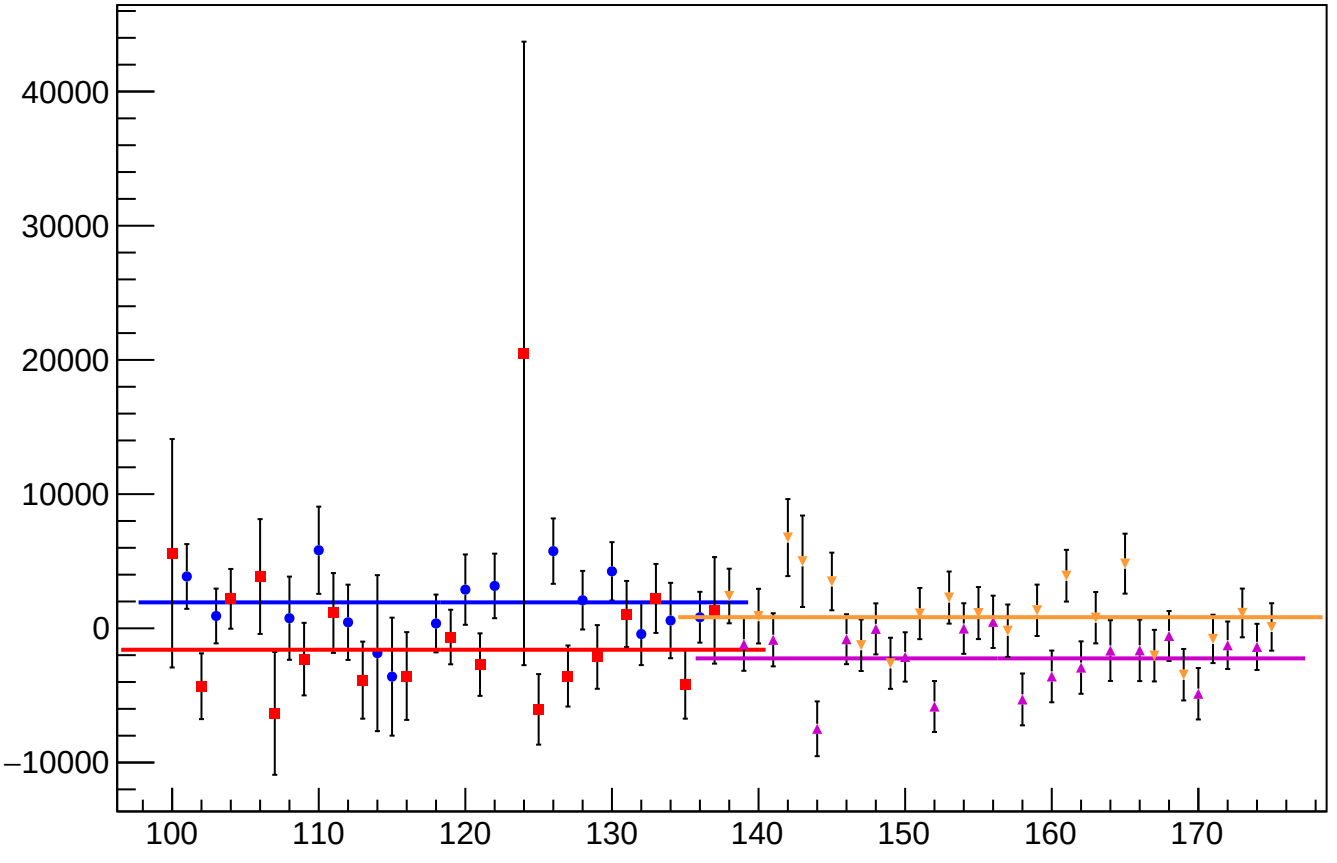
Left In: 5029.826+/-0.941 χ^2/NDF:1028102.5/17

+ sign 1182.597+/-0.283 χ^2/NDF: 28225424.9/35

All: 1142.333+/-0.202 χ^2/NDF: 57452391.2/7

- sign 1100.166+/-0.290 χ^2/NDF: 29185554.7/36

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 831.199+/-446.659 χ^2/NDF:27.3/19

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

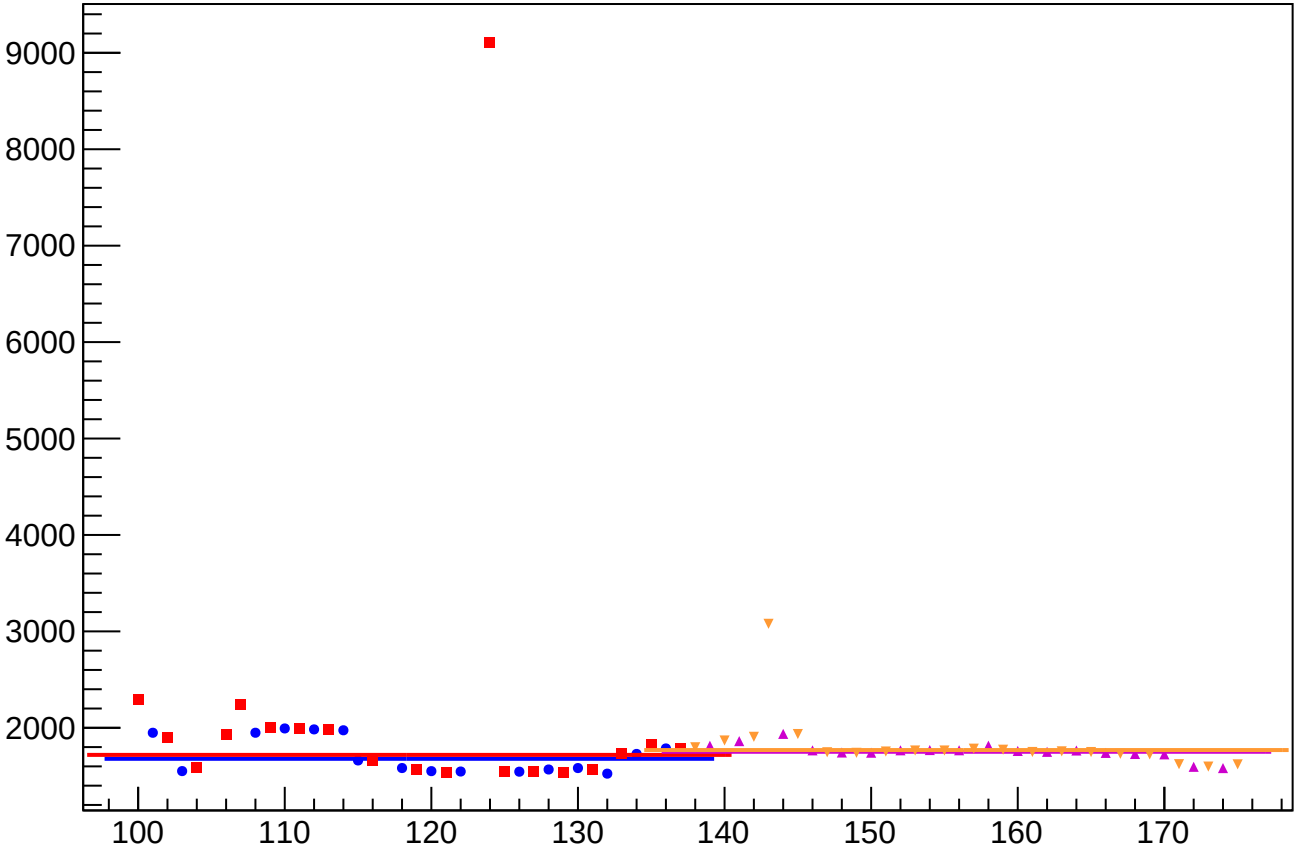
Left In: -2239.210+/-454.547 χ^2/NDF:22.7/17

+ sign 1202.053+/-363.960 χ^2/NDF: 40.2/35

All: -380.183+/-259.818 χ^2/NDF: 121.5/72

- sign -2024.373+/-371.017 χ^2/NDF: 42.8/36

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1769.235+/-0.316 χ^2/NDF:365485.7/19

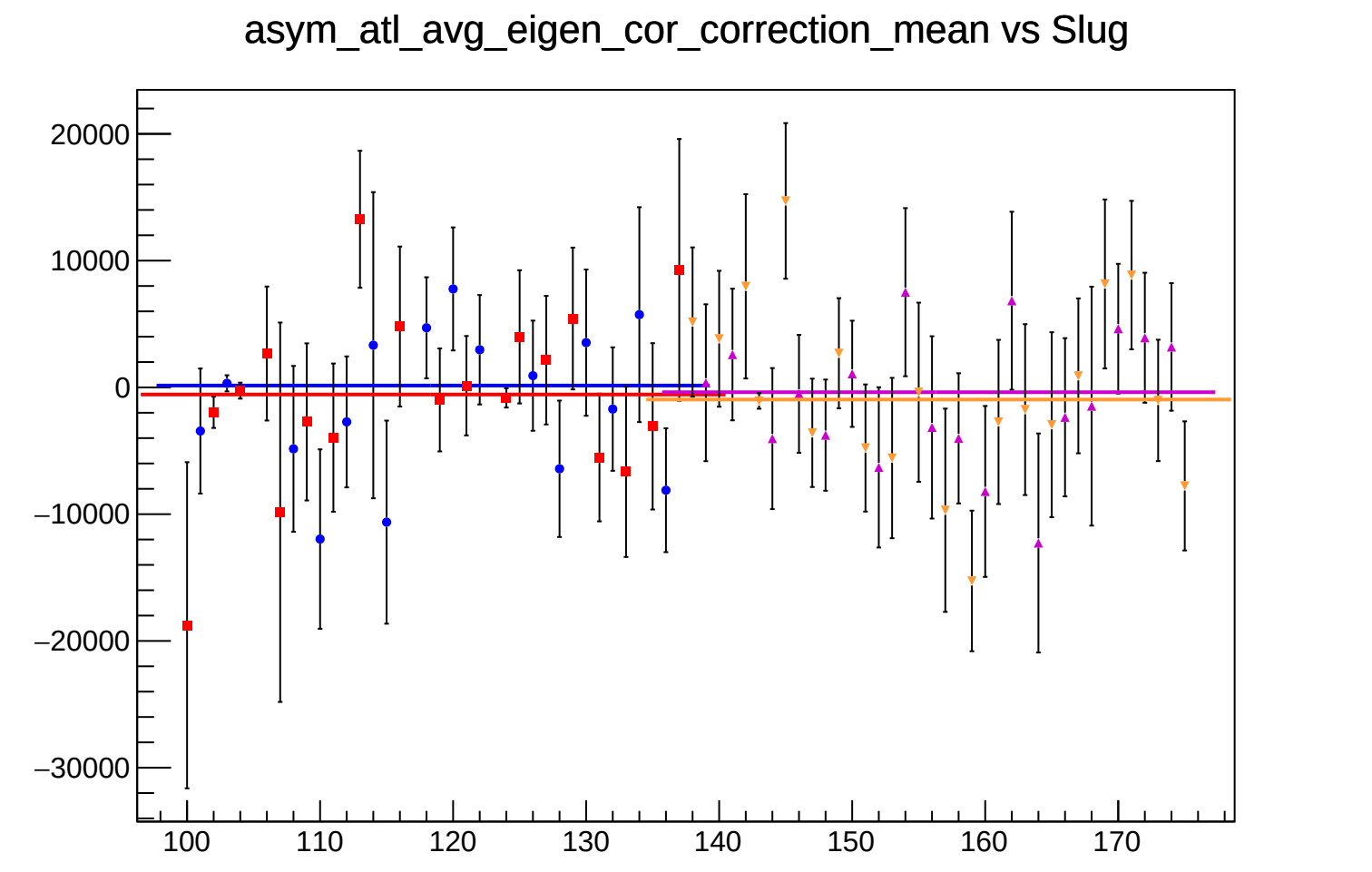
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1751.557+/-0.321 χ^2/NDF:63302.4/17

+ sign 1738.761+/-0.257 χ^2/NDF: 534675.1/35

All: 1739.702+/-0.184 χ^2/NDF: 986339.9/72

- sign 1740.678+/-0.262 χ^2/NDF: 451637.6/36



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -957.669+/-553.914 χ^2/NDF:26.7/19

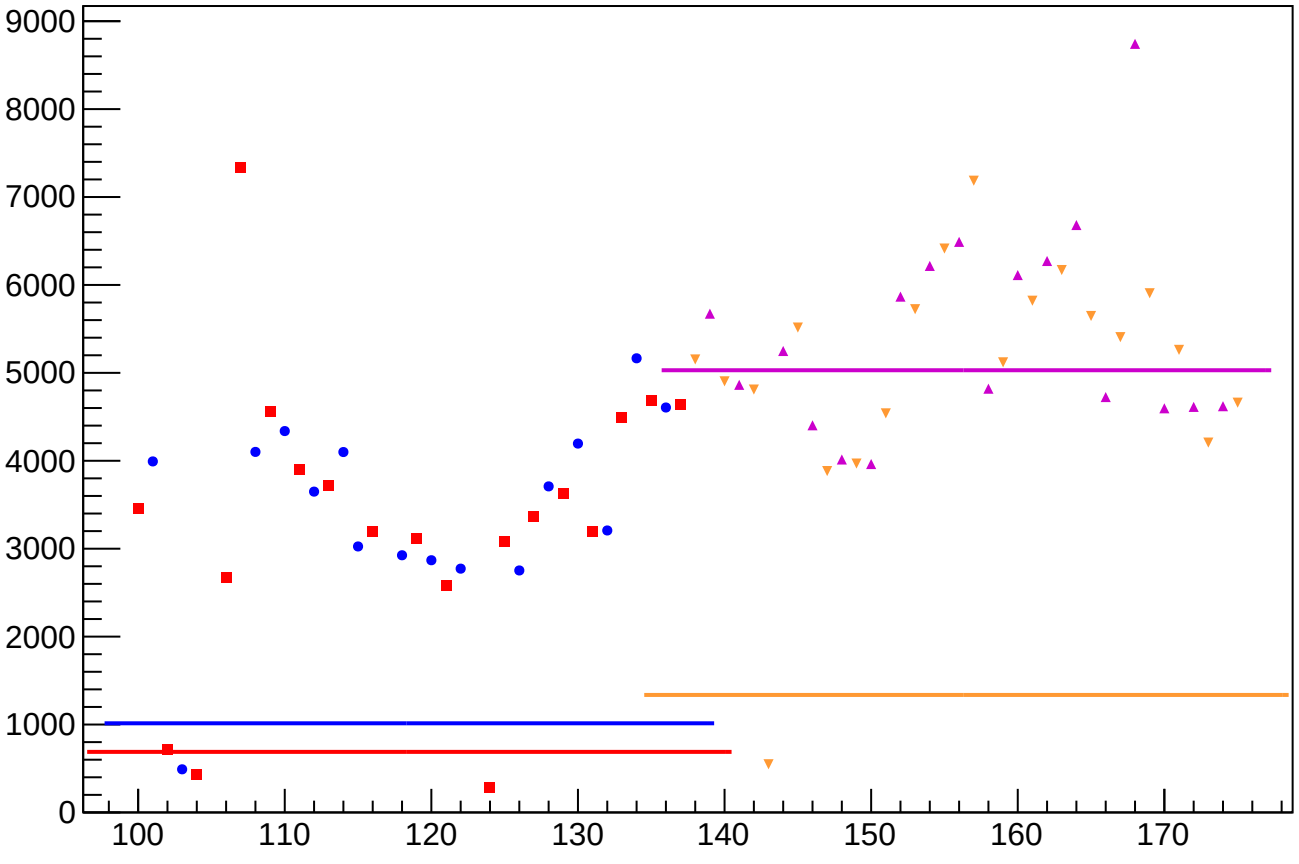
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -379.785+/-1331.354 χ^2/NDF:11.0/17

+ sign -430.338+/-400.369 χ^2/NDF: 44.4/35

All: -485.978+/-286.353 χ^2/NDF: 72.7/72

- sign -544.249+/-409.722 χ^2/NDF: 28.2/36



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1336.626+/-0.392 χ^2/NDF:19678576.8/19

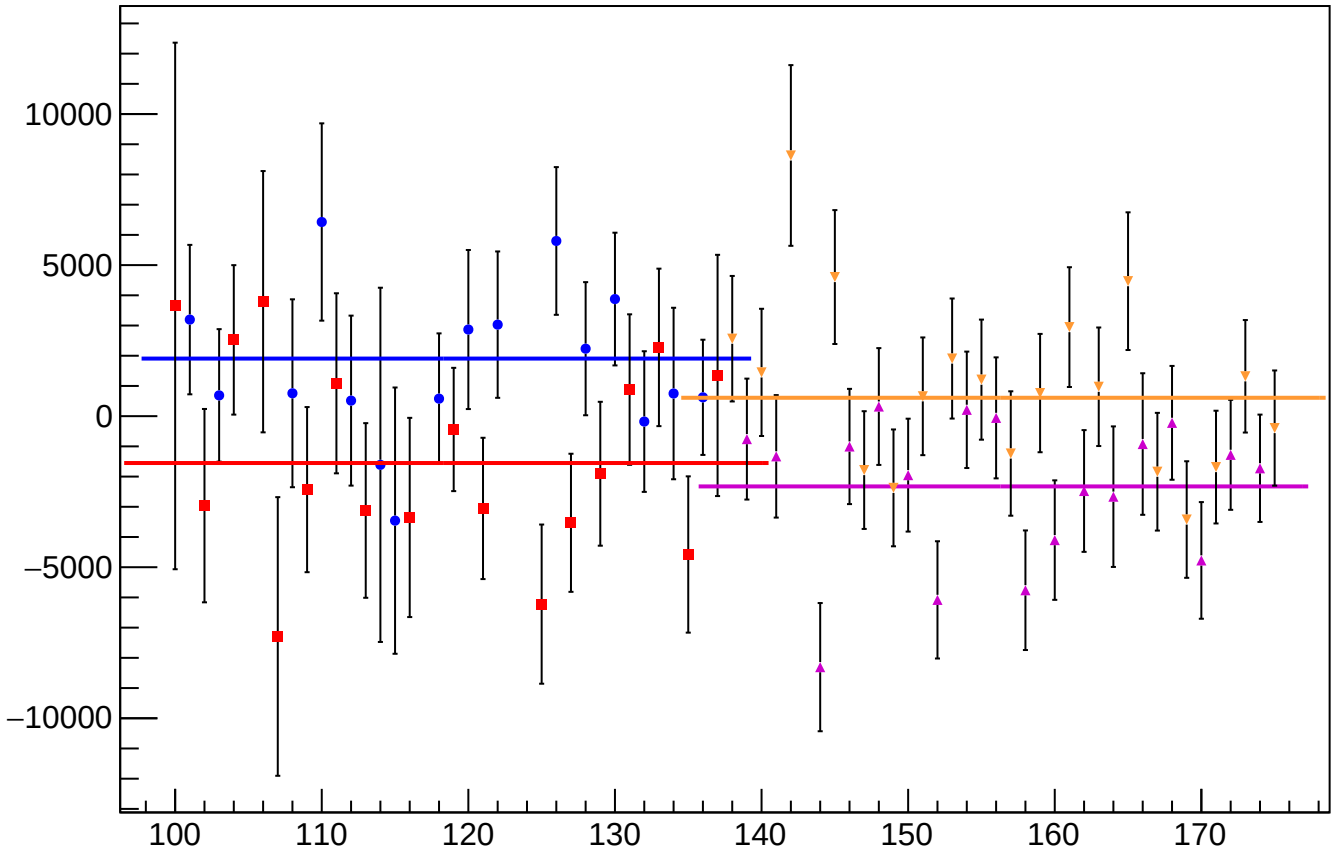
Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5029.826+/-0.941 χ^2/NDF:1028102.5/17

+ sign 1182.597+/-0.283 χ^2/NDF: 28225424.9/35

All: 1142.333+/-0.202 χ^2/NDF: 57452391.2/7

- sign 1100.166+/-0.290 χ^2/NDF: 29185554.7/36



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 608.653+/-463.256 χ^2/NDF:28.9/18

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

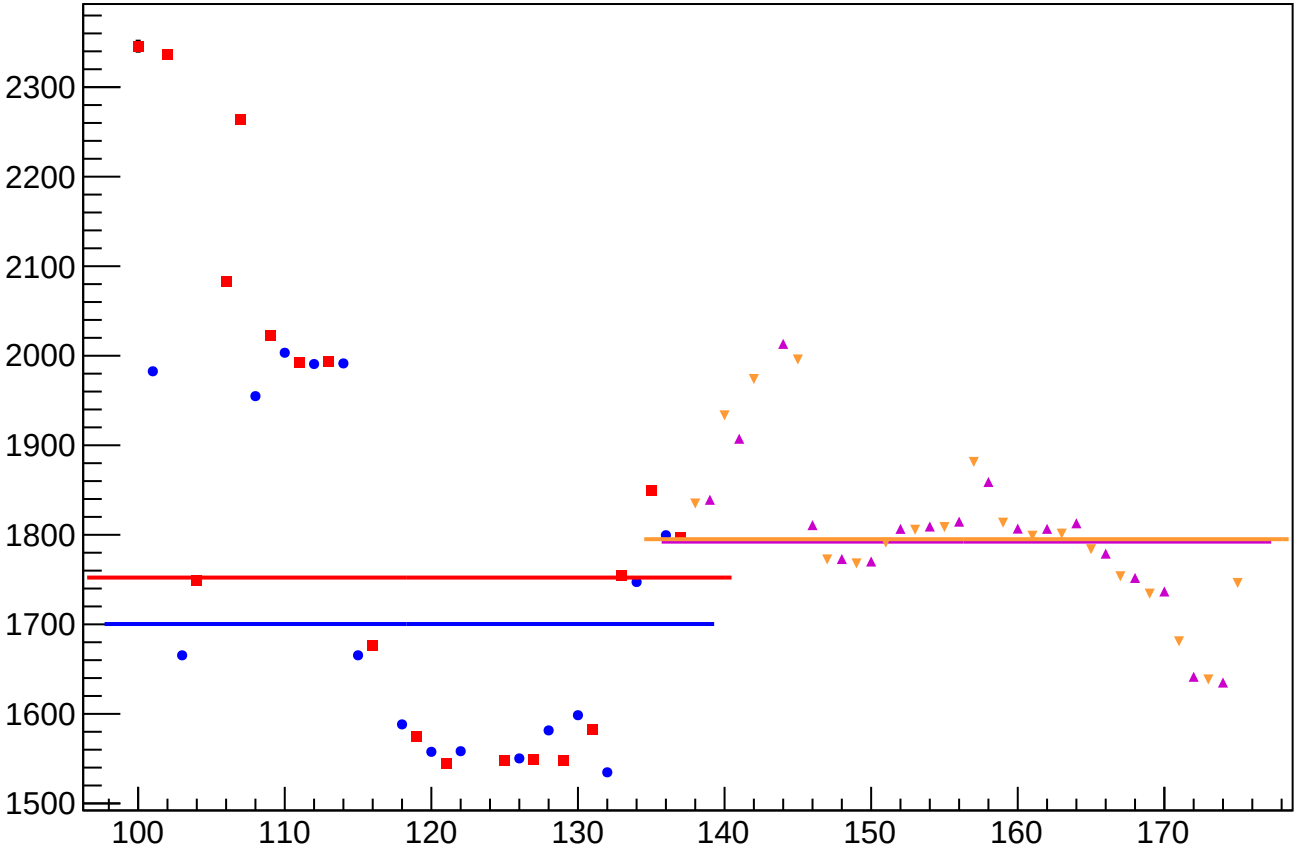
Left In: -2325.473+/-465.185 χ^2/NDF:25.5/17

+ sign 1058.037+/-374.541 χ^2/NDF: 41.8/34

All: -481.072+/-266.899 χ^2/NDF: 120.0/70

- sign -2068.970+/-380.431 χ^2/NDF: 43.8/35

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1795.106+/-0.328 χ^2/NDF:63352.6/18

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

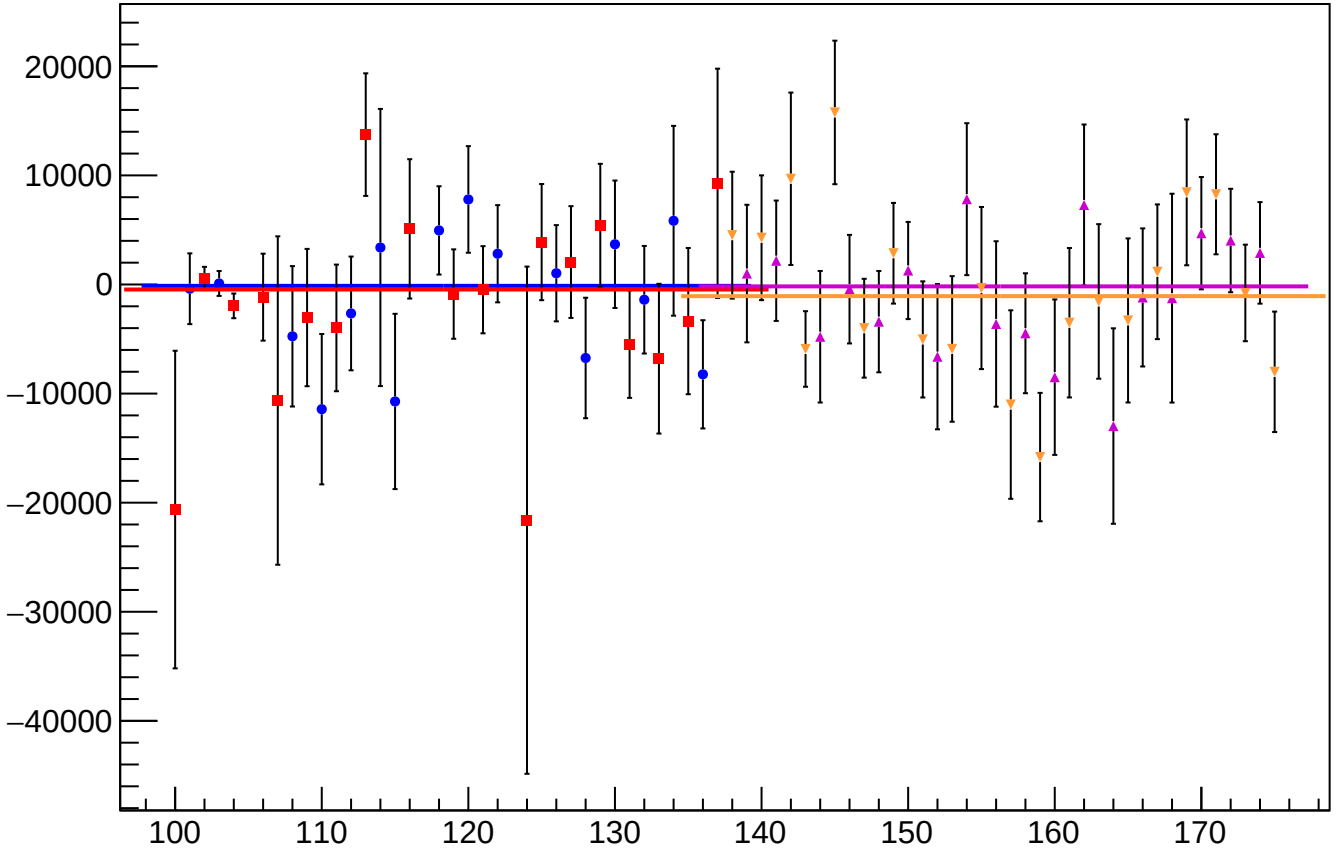
Left In: 1792.384+/-0.329 χ^2/NDF:65108.3/17

+ sign 1762.291+/-0.265 χ^2/NDF: 227747.2/34

All: 1770.545+/-0.189 χ^2/NDF: 547728.2/70

- sign 1779.047+/-0.269 χ^2/NDF: 318009.3/35

asym_atl_avg_dit_correction_mean vs Slug



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1068.135+/-1269.134 χ^2/NDF:28.8/19

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

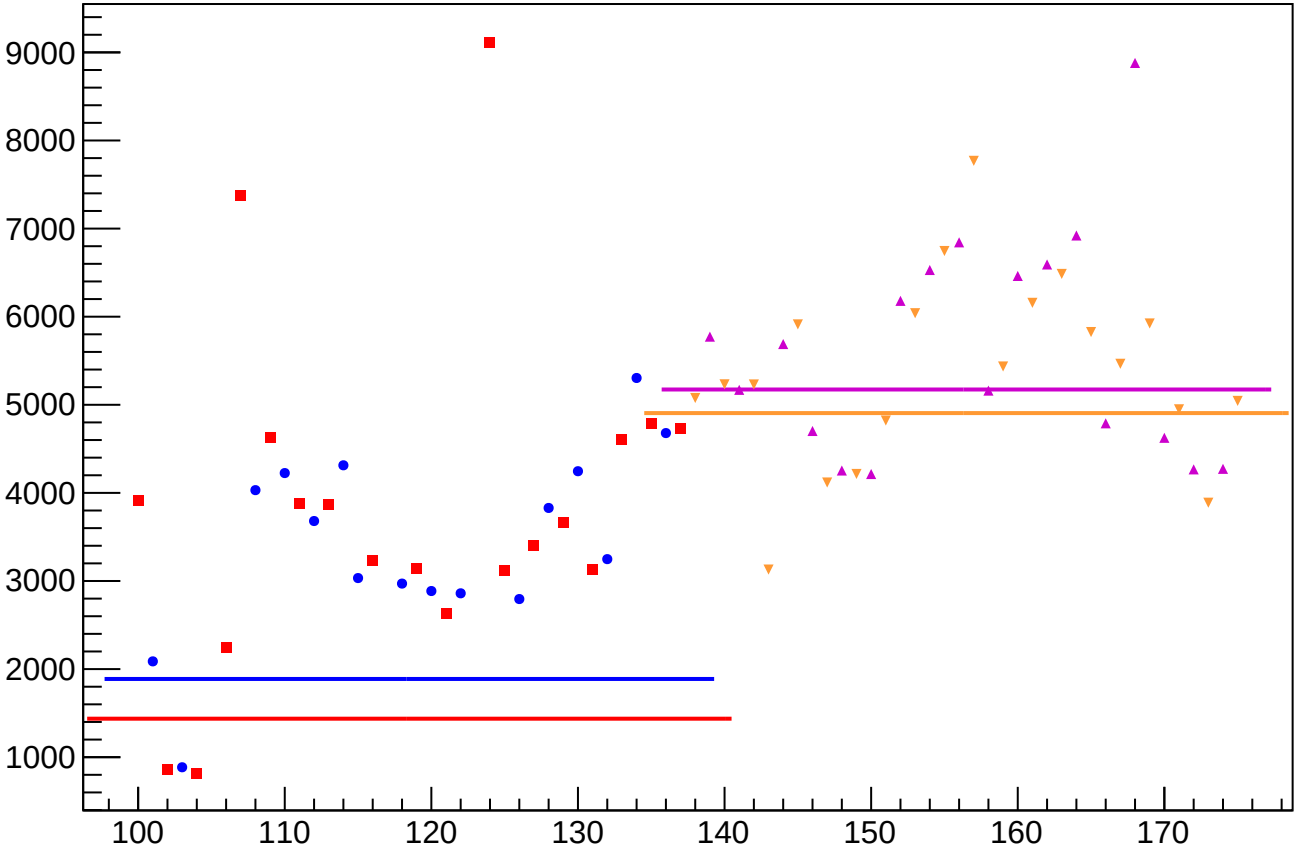
Left In: -174.381+/-1372.091 χ^2/NDF:11.1/17

+ sign -425.719+/-716.260 χ^2/NDF: 44.3/35

All: -412.722+/-463.820 χ^2/NDF: 73.9/72

- sign -403.336+/-608.674 χ^2/NDF: 29.6/36

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4905.846+/-0.897 χ^2/NDF:1472106.4/19

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

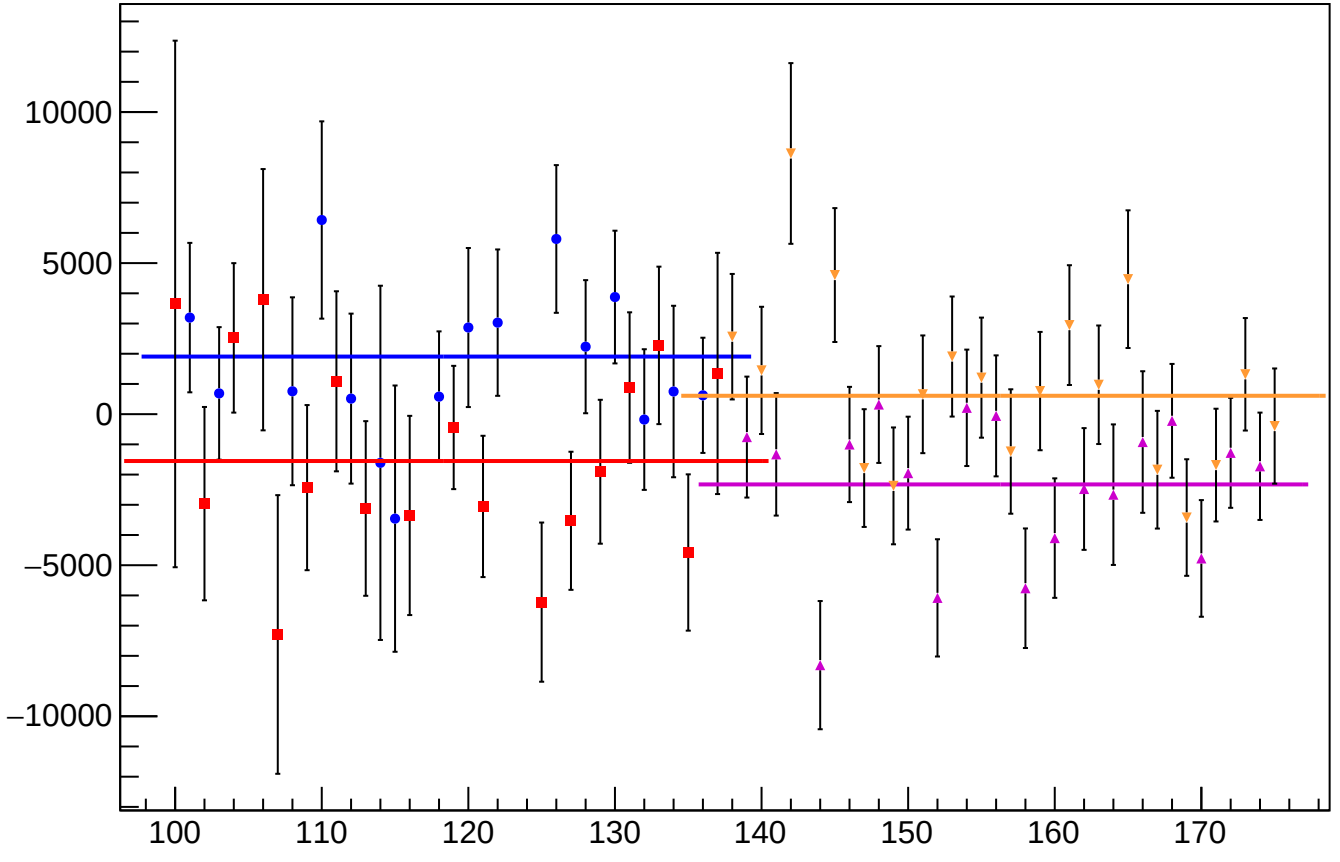
Left In: 5173.564+/-0.970 χ^2/NDF:1134000.6/17

+ sign 2849.221+/-0.506 χ^2/NDF: 13604472.7/35

All: 2456.215+/-0.328 χ^2/NDF: 33652389.2/7

- sign 2172.405+/-0.430 χ^2/NDF: 19010964.9/36

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 608.649+/-463.256 χ^2/NDF:28.9/18

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

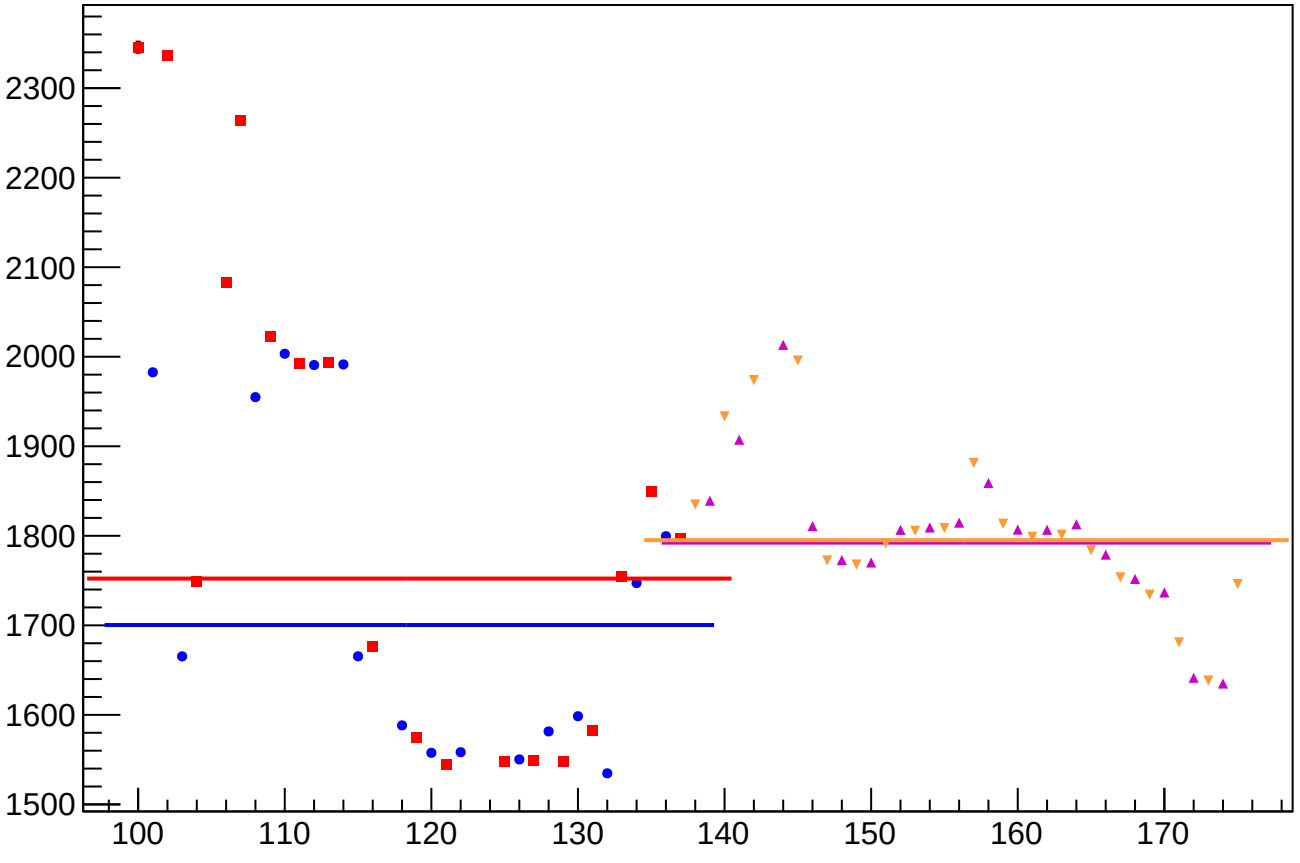
Left In: -2325.473+/-465.185 χ^2/NDF:25.5/17

+ sign 1058.035+/-374.541 χ^2/NDF: 41.8/34

All: -481.072+/-266.899 χ^2/NDF: 120.0/70

- sign -2068.968+/-380.431 χ^2/NDF: 43.8/35

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1795.106+/-0.328 χ^2/NDF:63354.8/18

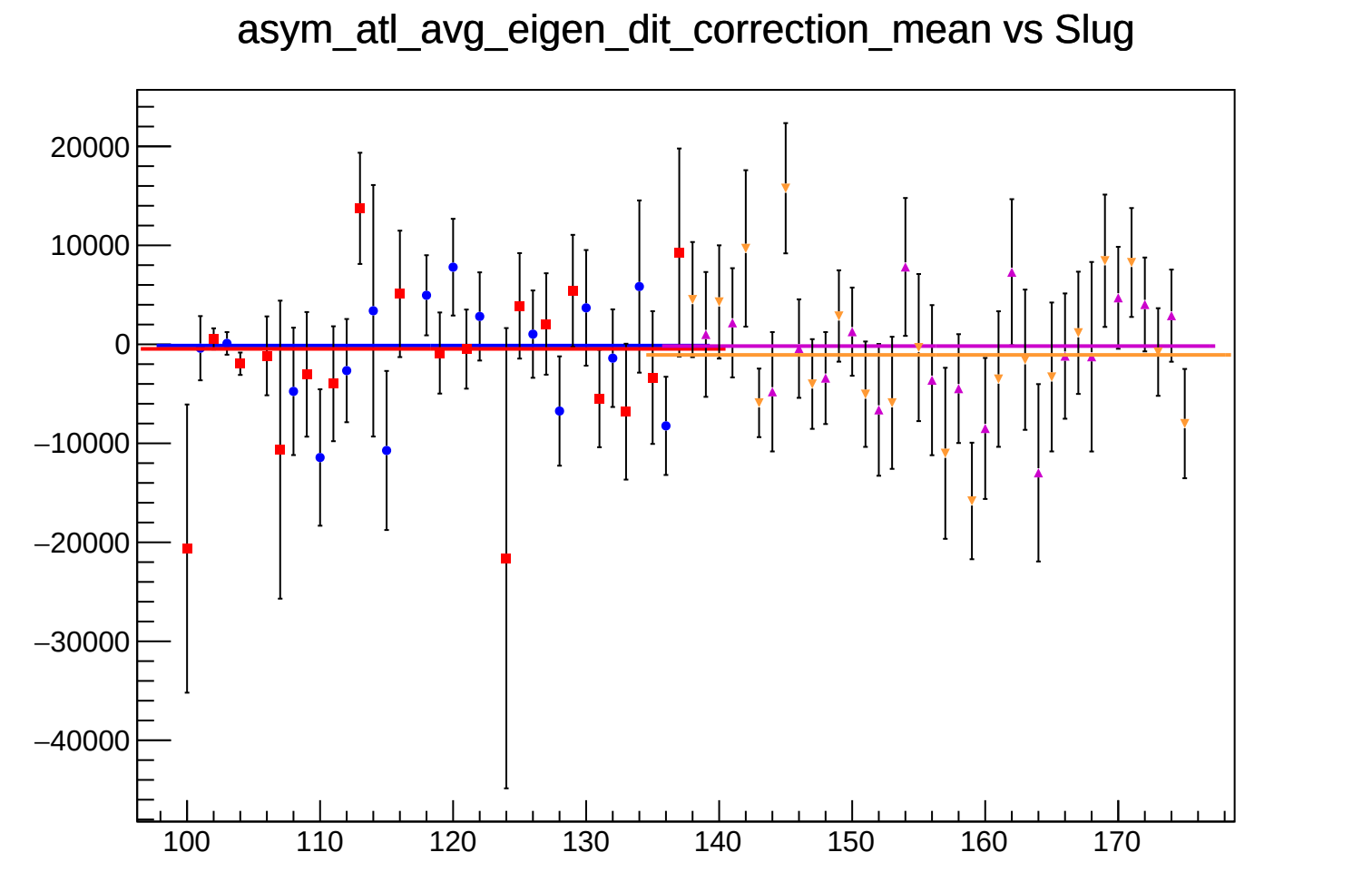
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1792.384+/-0.329 χ^2/NDF:65110.5/17

+ sign 1762.291+/-0.265 χ^2/NDF: 227750.1/34

All: 1770.545+/-0.189 χ^2/NDF: 547733.1/70

- sign 1779.048+/-0.269 χ^2/NDF: 318011.2/35



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1068.141+/-1269.136 χ^2/NDF:28.8/19

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

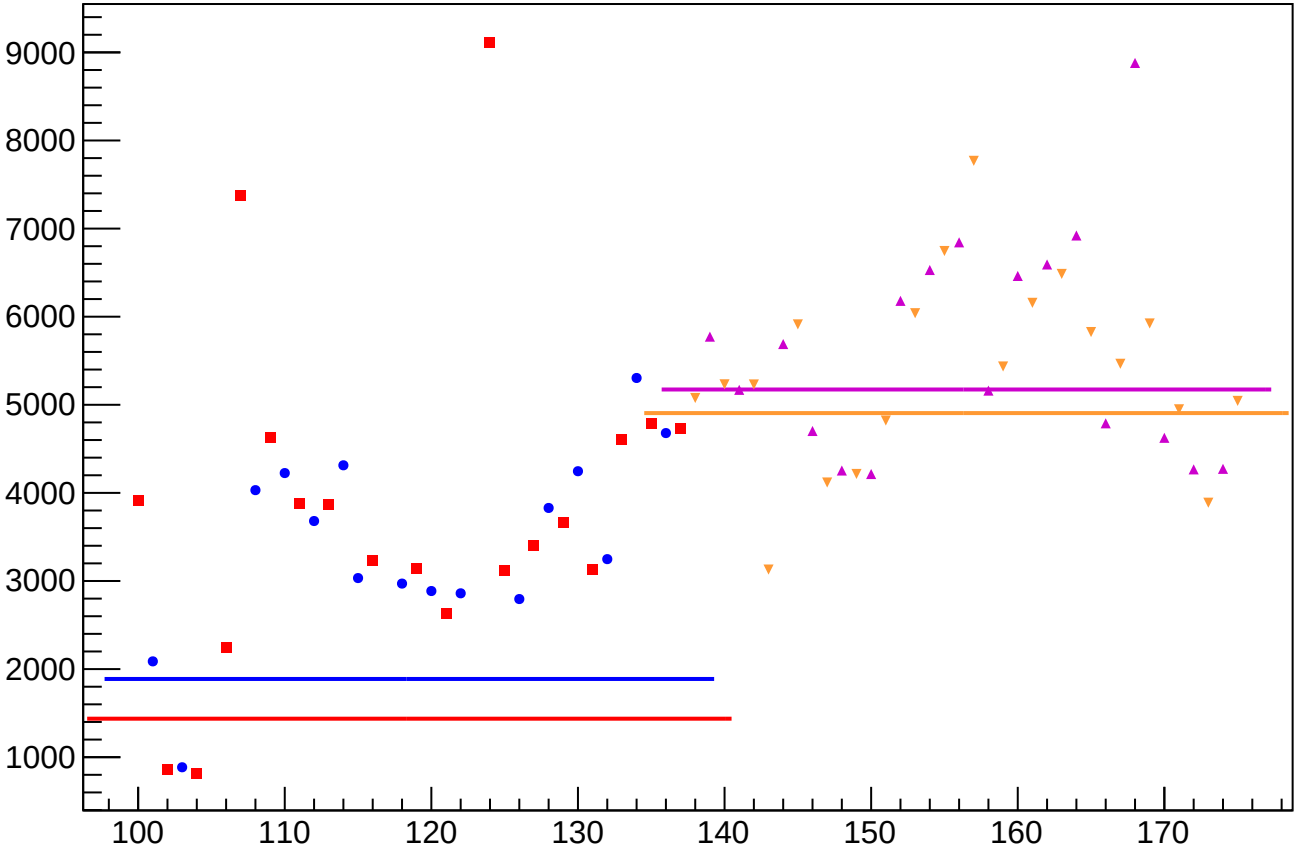
Left In: -174.381+/-1372.094 χ^2/NDF:11.1/17

+ sign -425.715+/-716.258 χ^2/NDF: 44.3/35

All: -412.720+/-463.817 χ^2/NDF: 73.9/72

- sign -403.336+/-608.670 χ^2/NDF: 29.6/36

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4905.853+/-0.897 χ^2/NDF:1472111.7/19

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

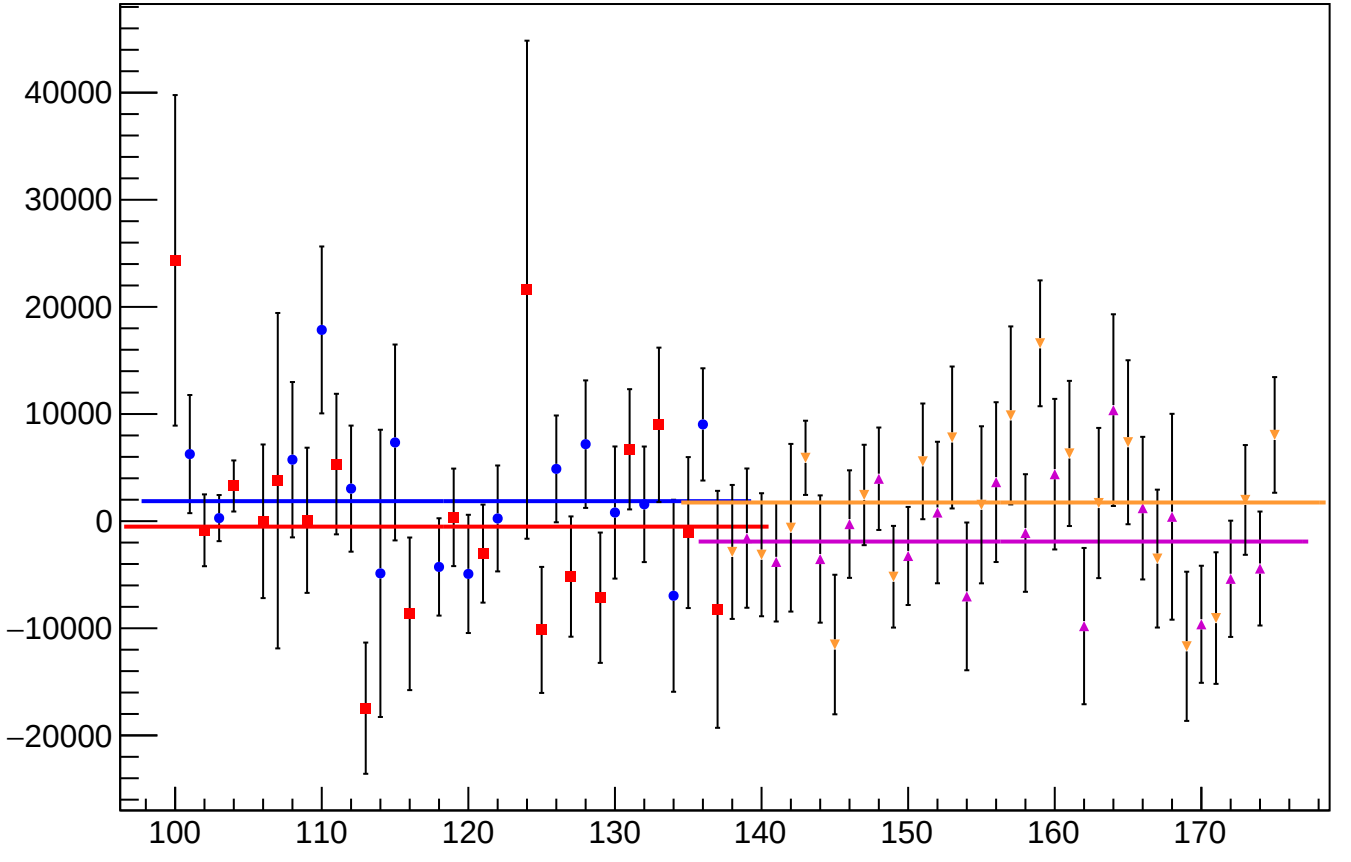
Left In: 5173.573+/-0.970 χ^2/NDF:1134001.0/17

+ sign 2849.202+/-0.506 χ^2/NDF: 13604651.3/35

All: 2456.195+/-0.328 χ^2/NDF: 33652757.5/7

- sign 2172.385+/-0.430 χ^2/NDF: 19011143.5/36

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1741.633+/-1300.748 χ^2/NDF:27.6/19

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

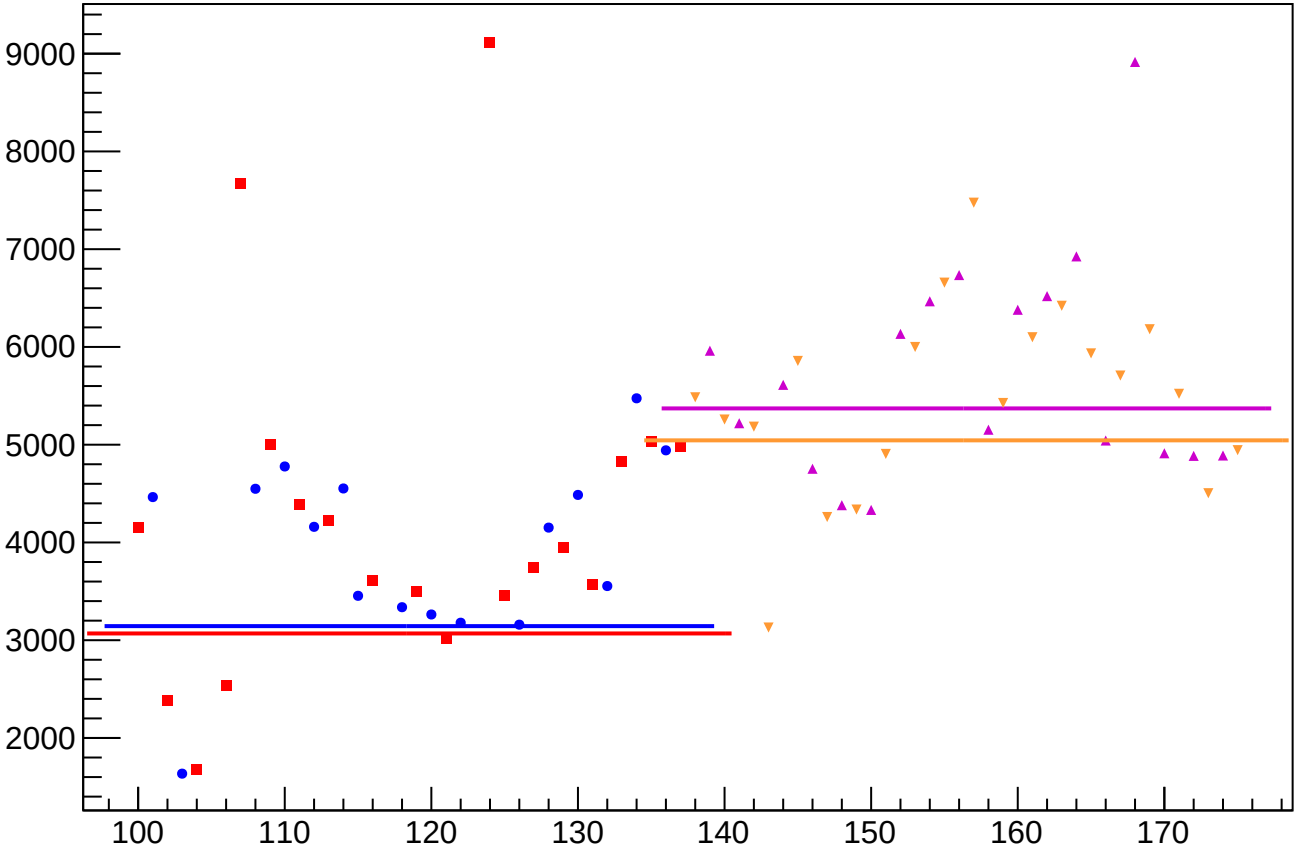
Left In: -1905.382+/-1416.737 χ^2/NDF:9.9/17

+ sign 1806.154+/-904.716 χ^2/NDF: 41.4/35

All: 390.427+/-649.744 χ^2/NDF: 81.7/72

- sign -1117.540+/-933.724 χ^2/NDF: 35.2/36

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5044.444+/-0.920 χ^2/NDF:1337452.7/19

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

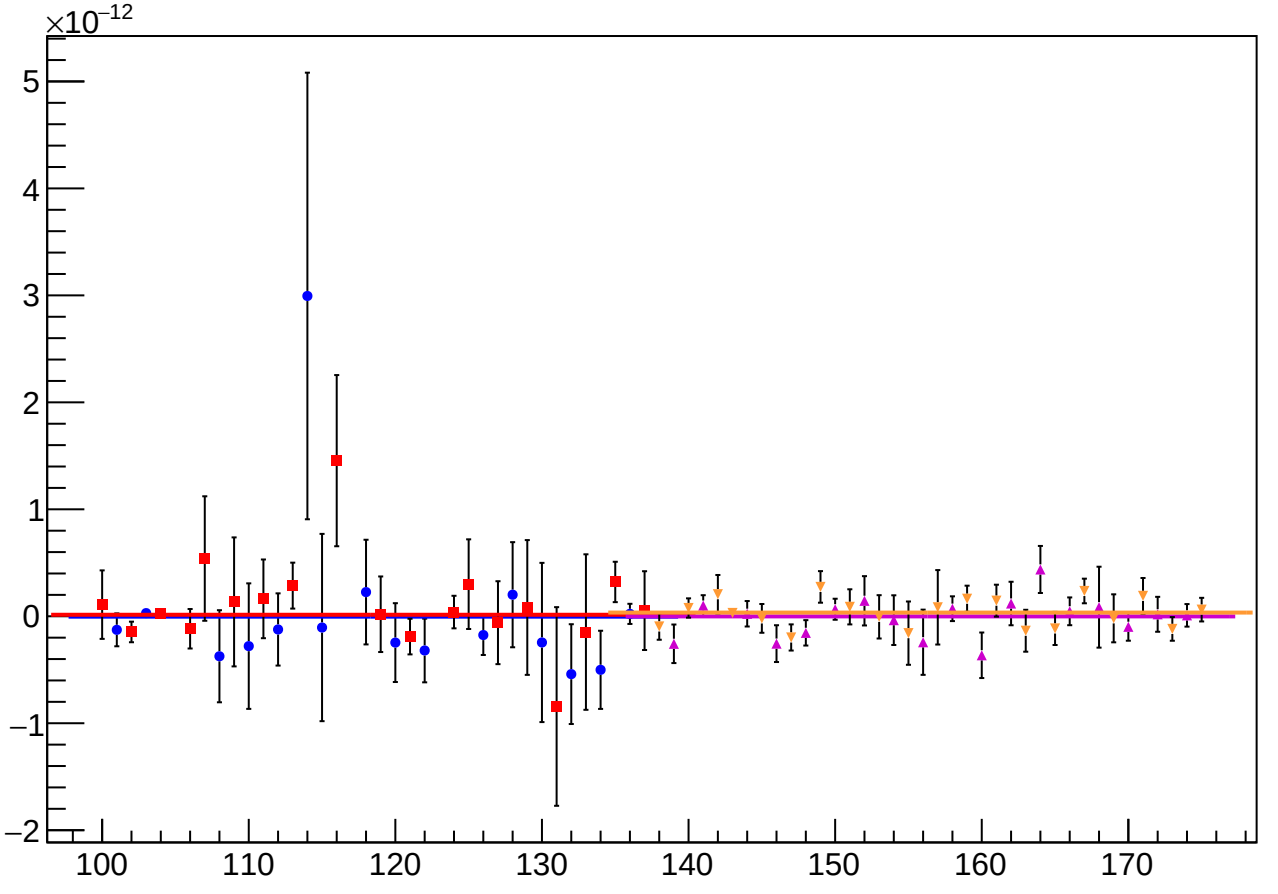
Left In: 5371.126+/-1.002 χ^2/NDF:862011.6/17

+ sign 4063.444+/-0.640 χ^2/NDF: 5424208.8/35

All: 4057.509+/-0.457 χ^2/NDF: 11195502.3/7

- sign 4051.300+/-0.654 χ^2/NDF: 5771117.4/36

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.6/19

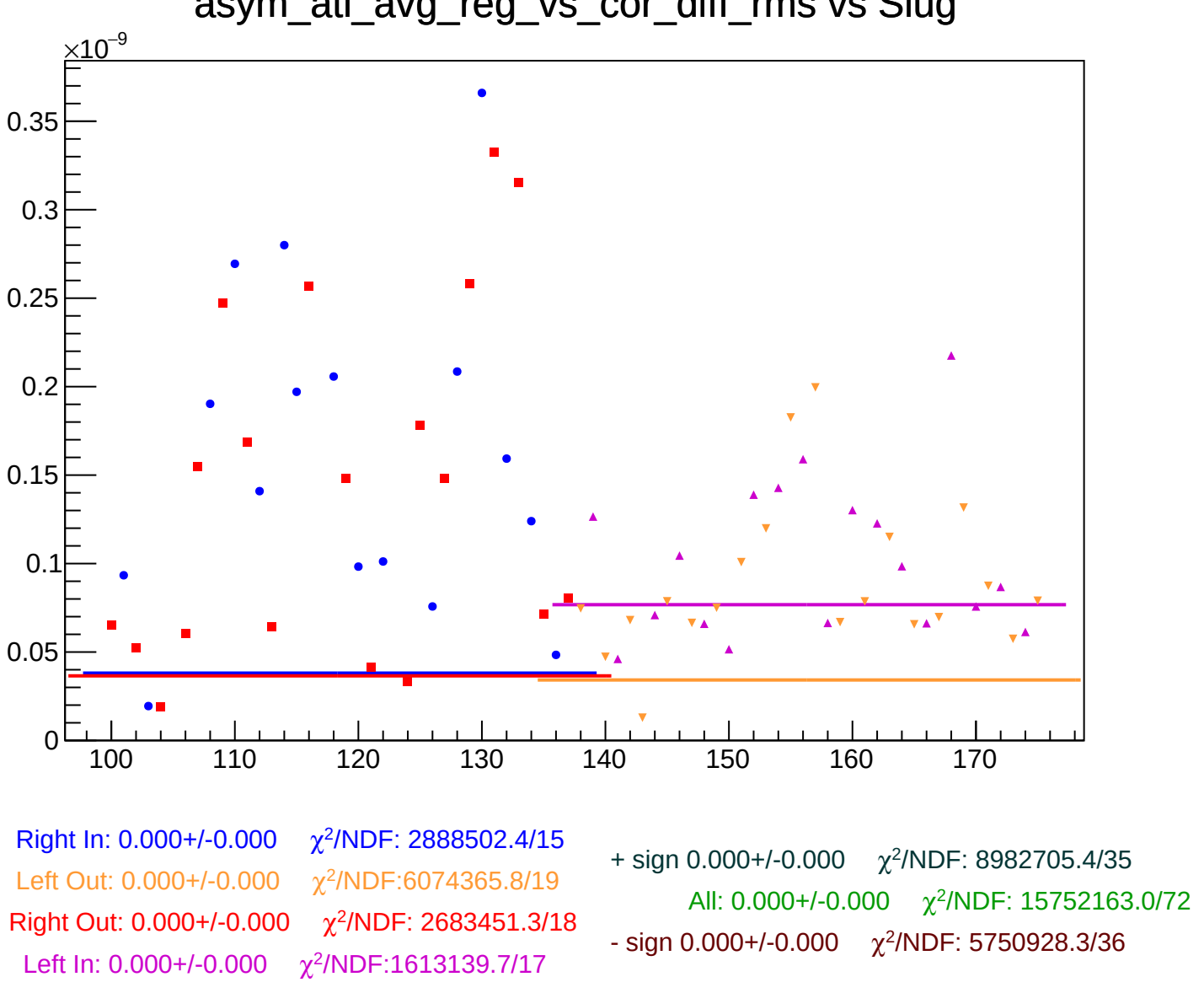
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/17

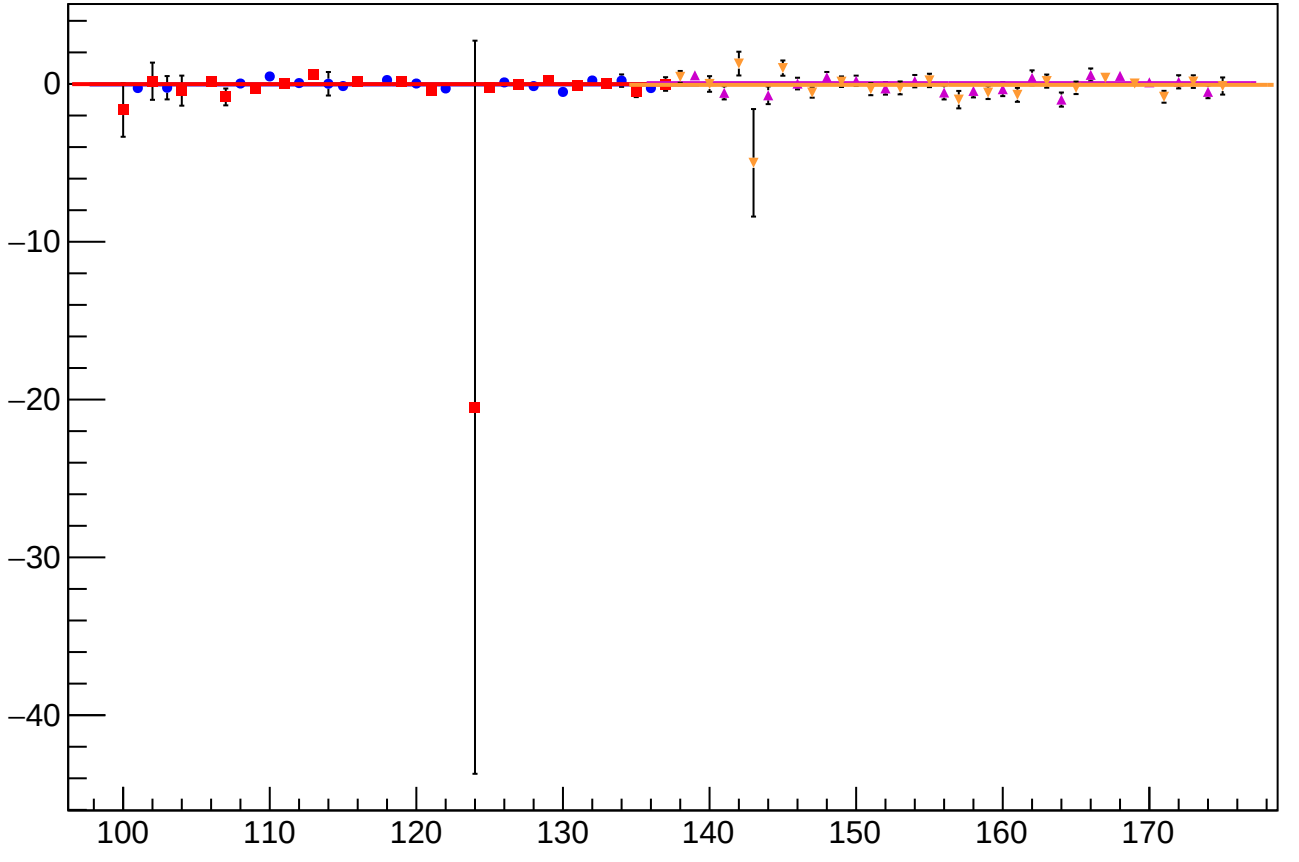
+ sign 0.000+/-0.000 χ^2/NDF: 30.2/35

All: 0.000+/-0.000 χ^2/NDF: 62.6/72

- sign 0.000+/-0.000 χ^2/NDF: 31.9/36


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2888502.4/15
Left Out: 0.000+/-0.000 χ²/NDF:6074365.8/19
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:1613139.7/17
+ sign 0.000+/-0.000 χ²/NDF: 8982705.4/35
All: 0.000+/-0.000 χ²/NDF: 15752163.0/72
- sign 0.000+/-0.000 χ²/NDF: 5750928.3/36

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.056+/-0.086 χ^2/NDF:29.5/19

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

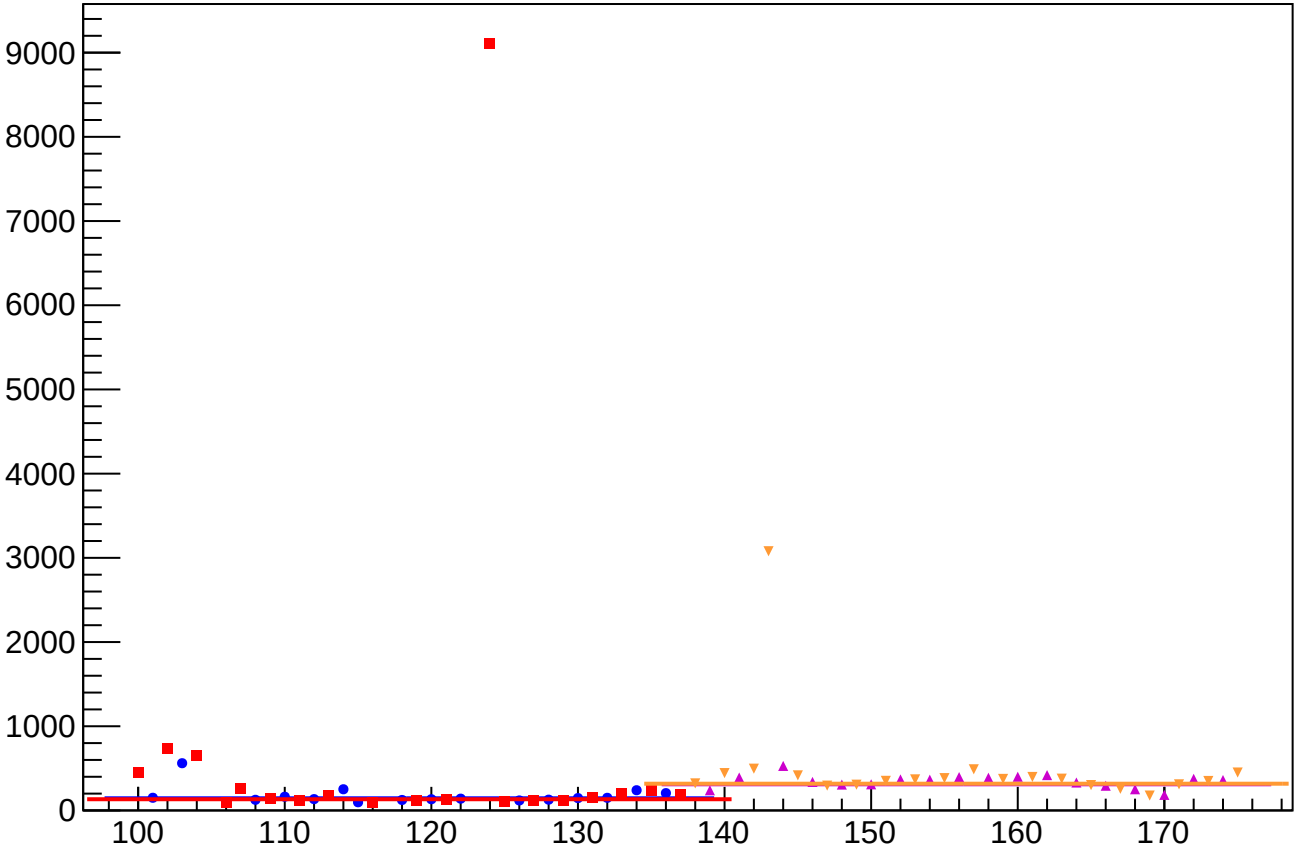
Left In: 0.051+/-0.085 χ^2/NDF:25.7/17

+ sign -0.037+/-0.048 χ^2/NDF: 46.8/35

All: -0.014+/-0.034 χ^2/NDF: 95.2/72

- sign 0.008+/-0.047 χ^2/NDF: 47.9/36

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 317.671+/-0.061 χ^2/NDF:3303067.6/19

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

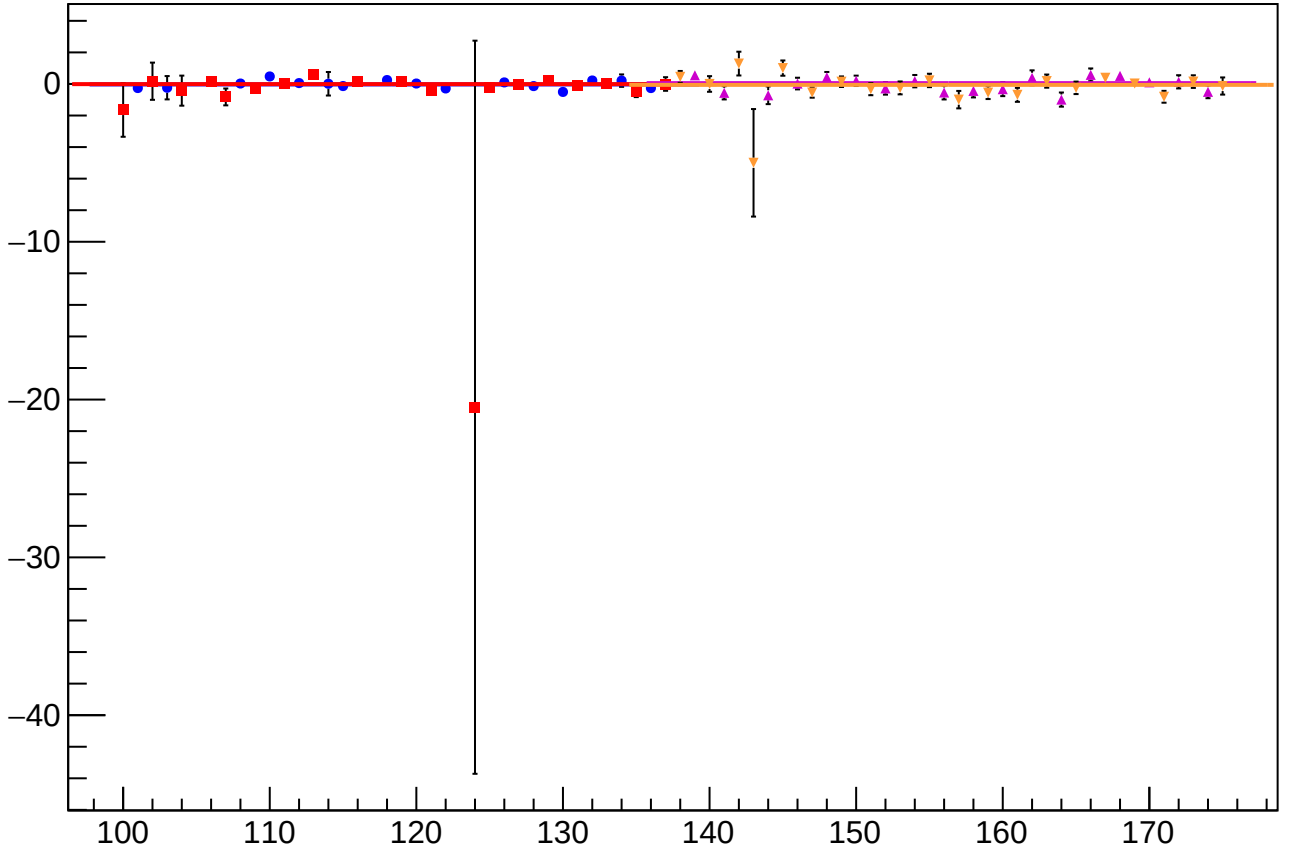
Left In: 310.510+/-0.060 χ^2/NDF:1838235.3/17

+ sign 197.979+/-0.034 χ^2/NDF: 9999194.4/35

All: 192.843+/-0.024 χ^2/NDF: 20172143.8/72

- sign 187.928+/-0.033 χ^2/NDF: 10128215.4/36

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.056+/-0.086 χ^2/NDF:29.5/19

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

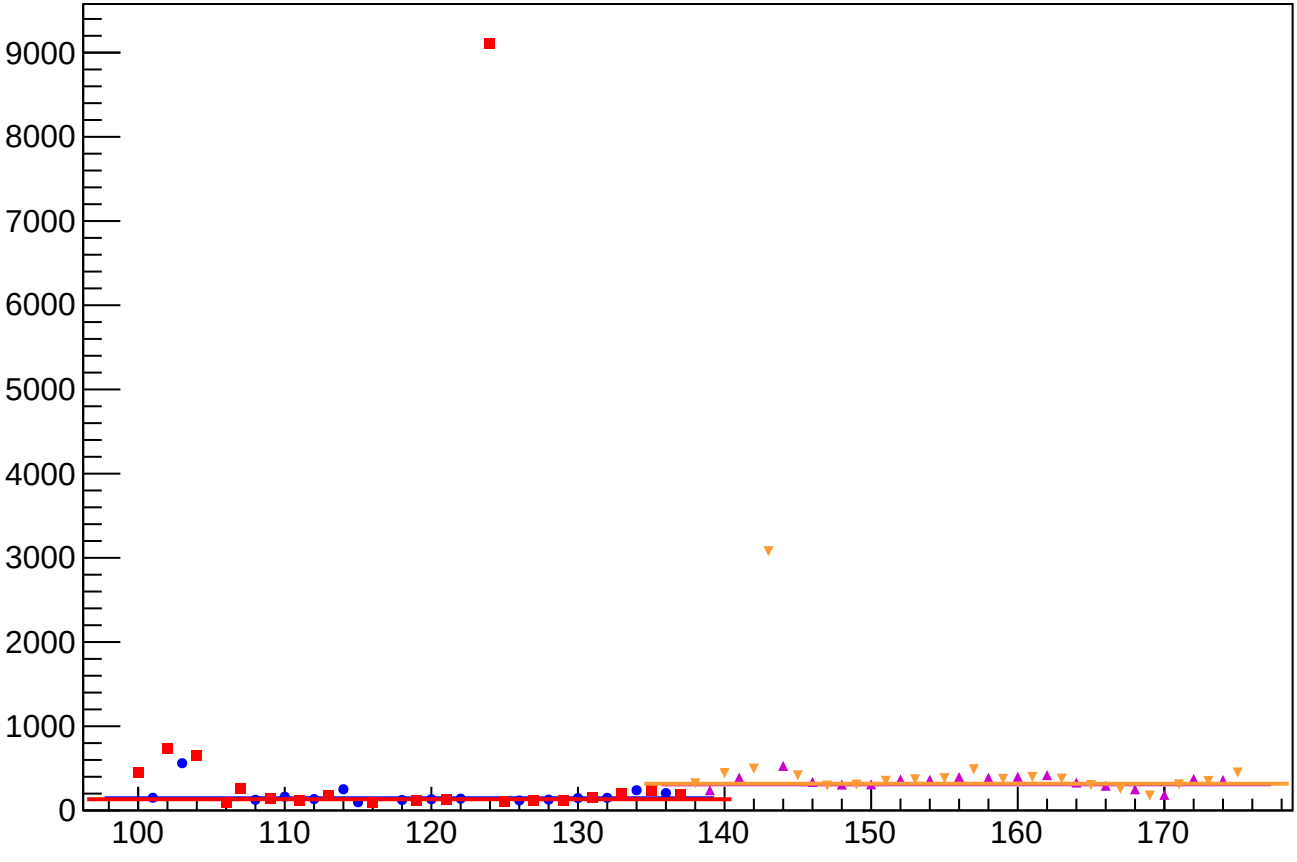
Left In: 0.051+/-0.085 χ^2/NDF:25.7/17

+ sign -0.037+/-0.048 χ^2/NDF: 46.8/35

All: -0.014+/-0.034 χ^2/NDF: 95.2/72

- sign 0.008+/-0.047 χ^2/NDF: 47.9/36

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 317.671+/-0.061 χ^2/NDF:3303067.6/19

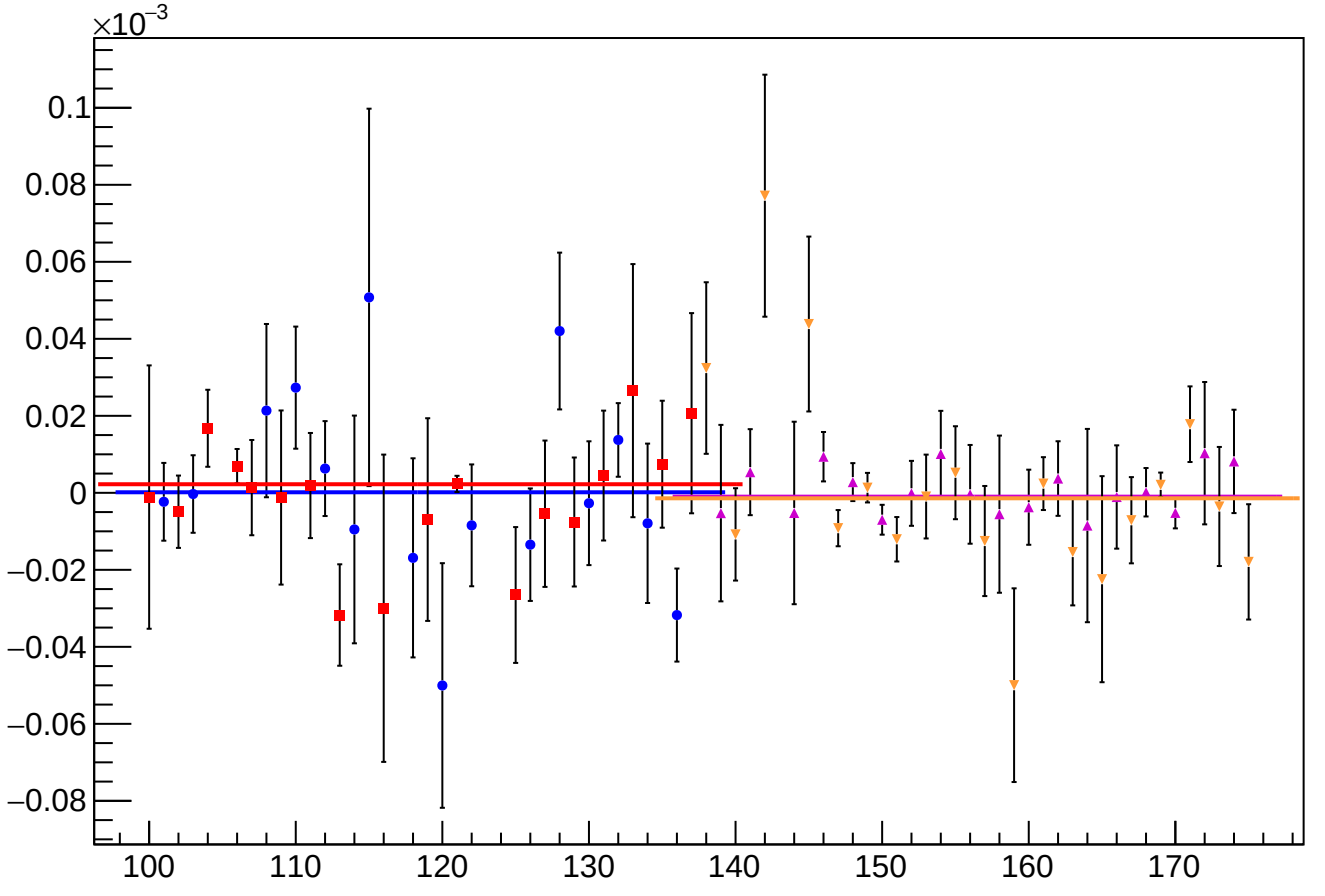
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 310.510+/-0.060 χ^2/NDF:1838235.3/17

+ sign 197.979+/-0.034 χ^2/NDF: 9999194.4/35

All: 192.843+/-0.024 χ^2/NDF: 20172143.8/72

- sign 187.928+/-0.033 χ^2/NDF: 10128215.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

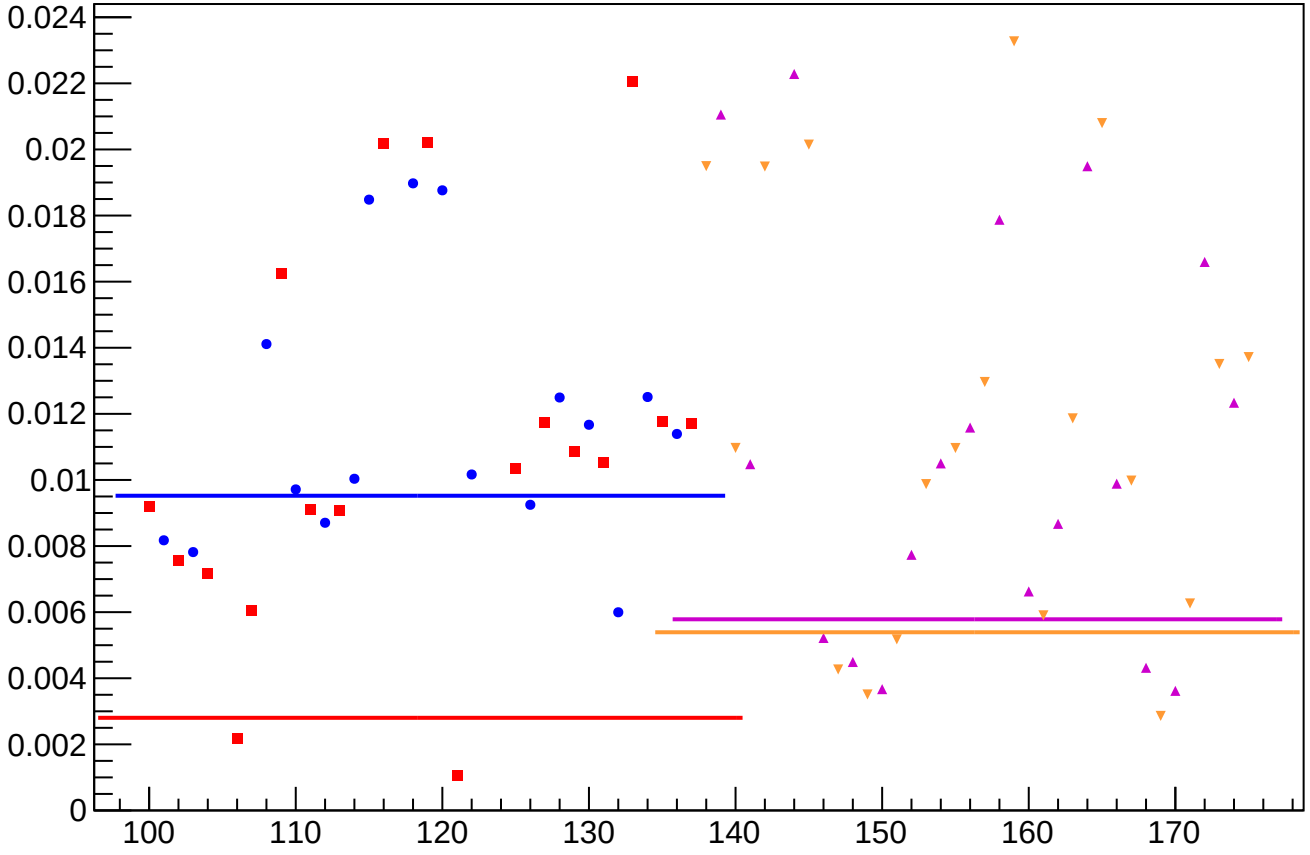
Left In: -0.000+/-0.000 χ^2/NDF:9.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 55.8/34

All: -0.000+/-0.000 χ^2/NDF: 83.3/70

- sign 0.000+/-0.000 χ^2/NDF: 26.6/35

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.005+/-0.000 χ^2/NDF:9307235.5/18

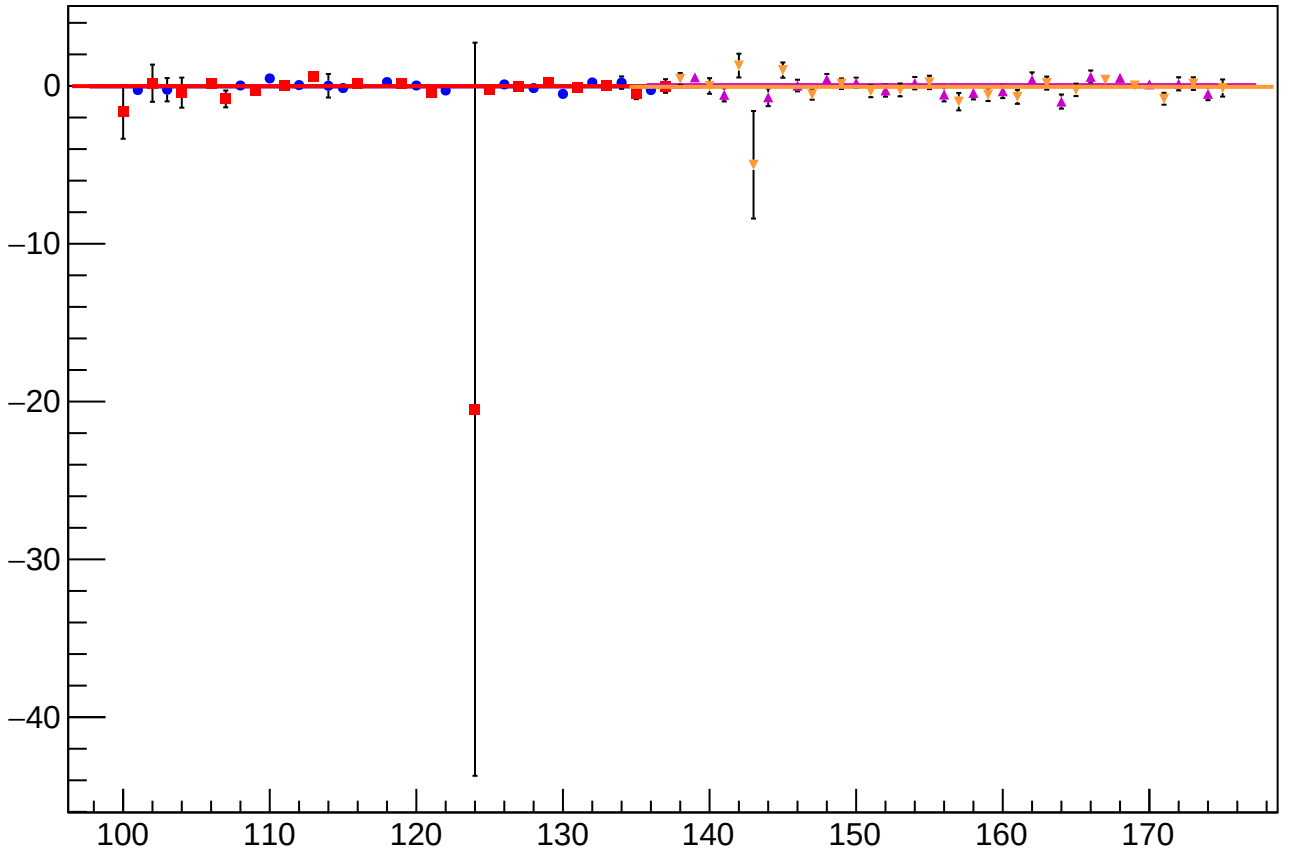
Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:7353706.8/17

+ sign 0.006+/-0.000 χ^2/NDF: 12441543.4/34

All: 0.005+/-0.000 χ^2/NDF: 33004187.2/70

- sign 0.004+/-0.000 χ^2/NDF: 18735867.8/35



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.056+/-0.086 χ^2/NDF:29.5/19

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

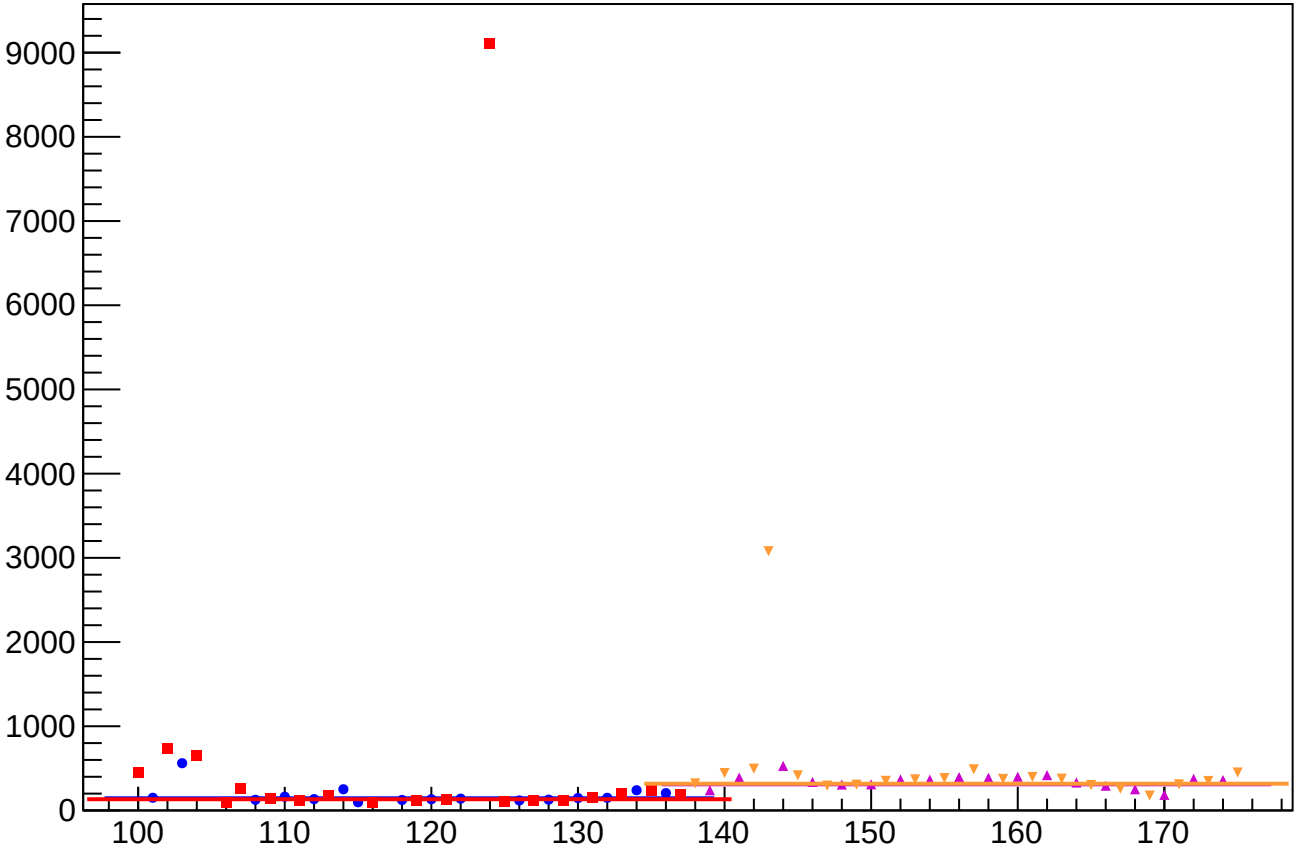
Left In: 0.051+/-0.085 χ^2/NDF:25.7/17

+ sign -0.037+/-0.048 χ^2/NDF: 46.8/35

All: -0.014+/-0.034 χ^2/NDF: 95.2/72

- sign 0.008+/-0.047 χ^2/NDF: 47.9/36

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 317.673+/-0.061 χ^2/NDF:3303117.0/19

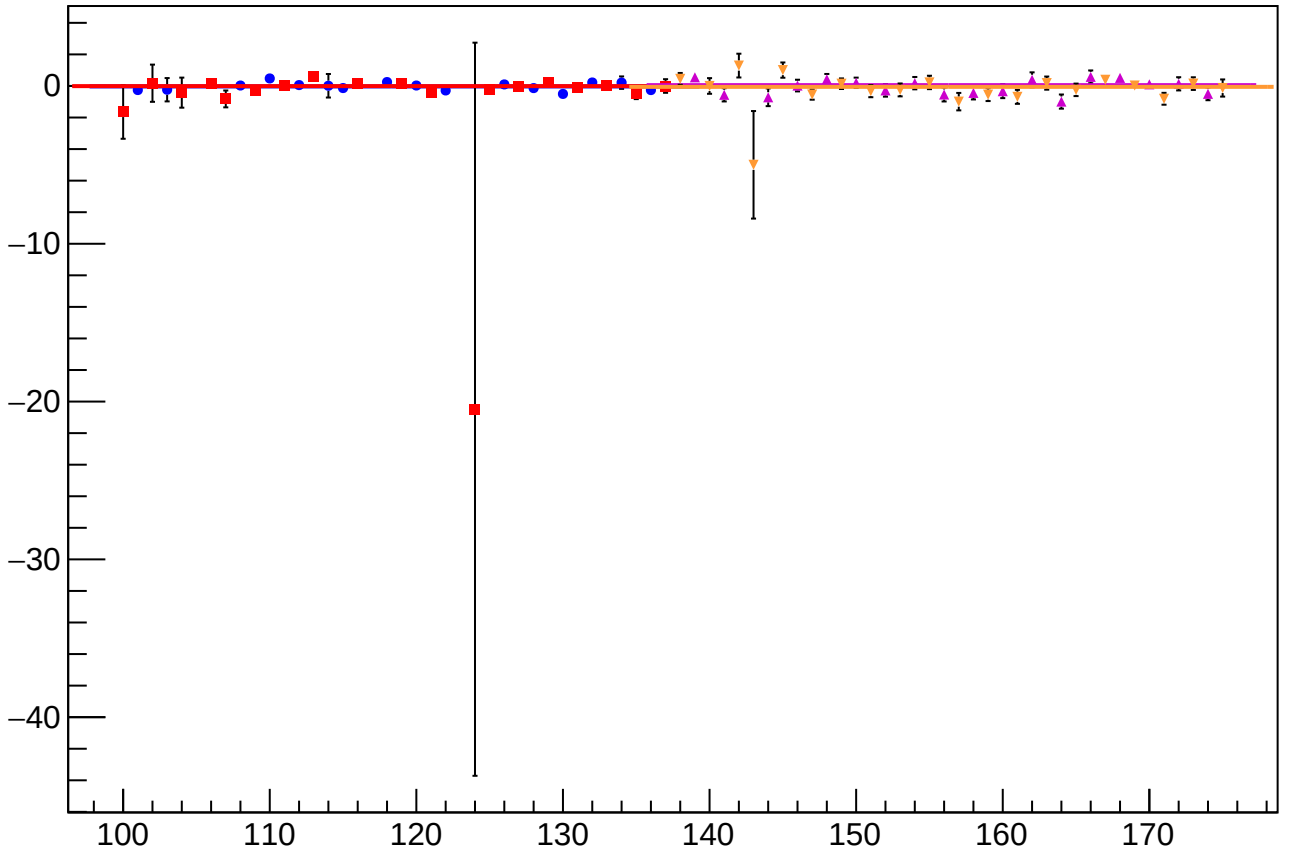
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 310.513+/-0.060 χ^2/NDF:1838229.5/17

+ sign 197.978+/-0.034 χ^2/NDF: 9999467.2/35

All: 192.841+/-0.024 χ^2/NDF: 20172542.8/72

- sign 187.927+/-0.033 χ^2/NDF: 10128348.5/36



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.056+/-0.086 χ^2/NDF:29.5/19

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

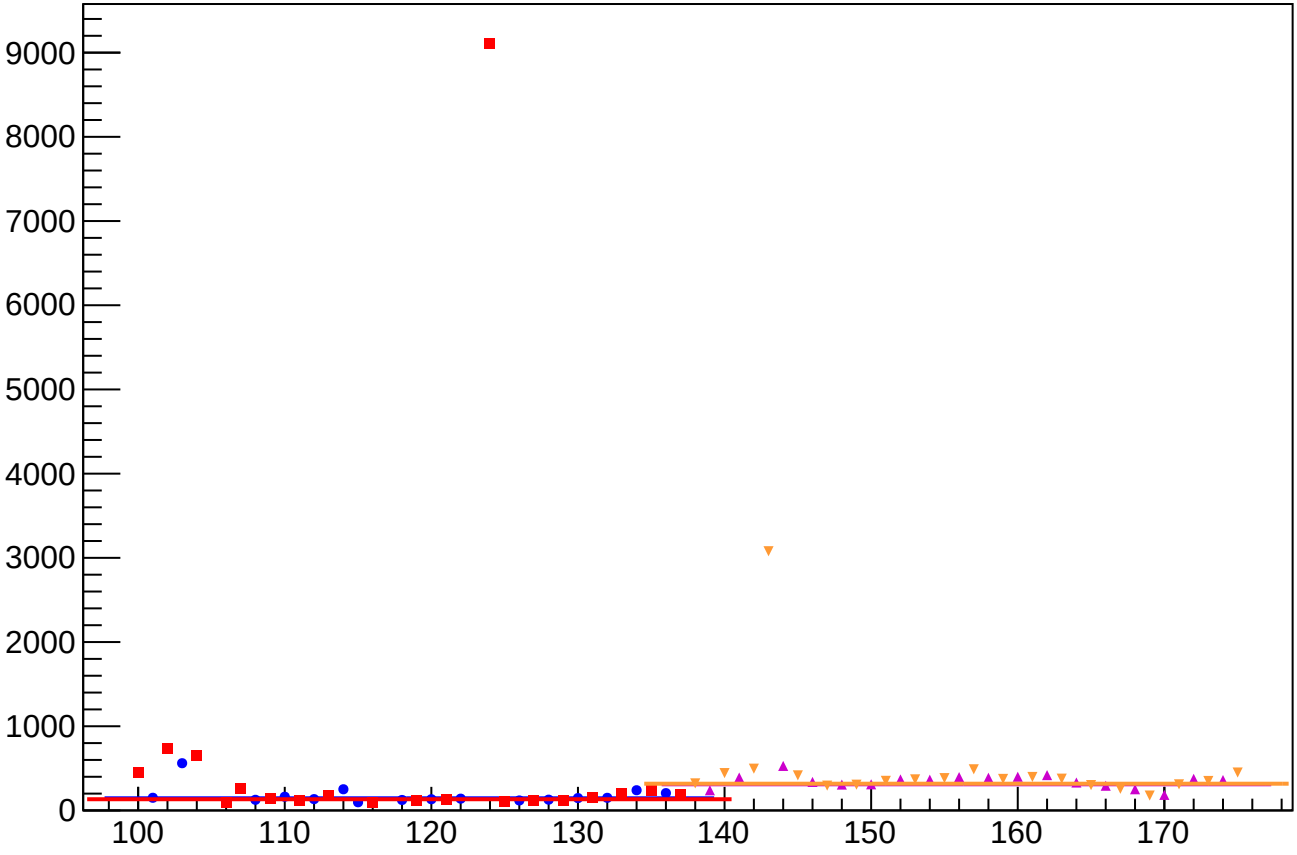
Left In: 0.051+/-0.085 χ^2/NDF:25.7/17

+ sign -0.037+/-0.048 χ^2/NDF: 46.8/35

All: -0.014+/-0.034 χ^2/NDF: 95.2/72

- sign 0.008+/-0.047 χ^2/NDF: 47.9/36

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 317.673+/-0.061 χ^2/NDF:3303117.0/19

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

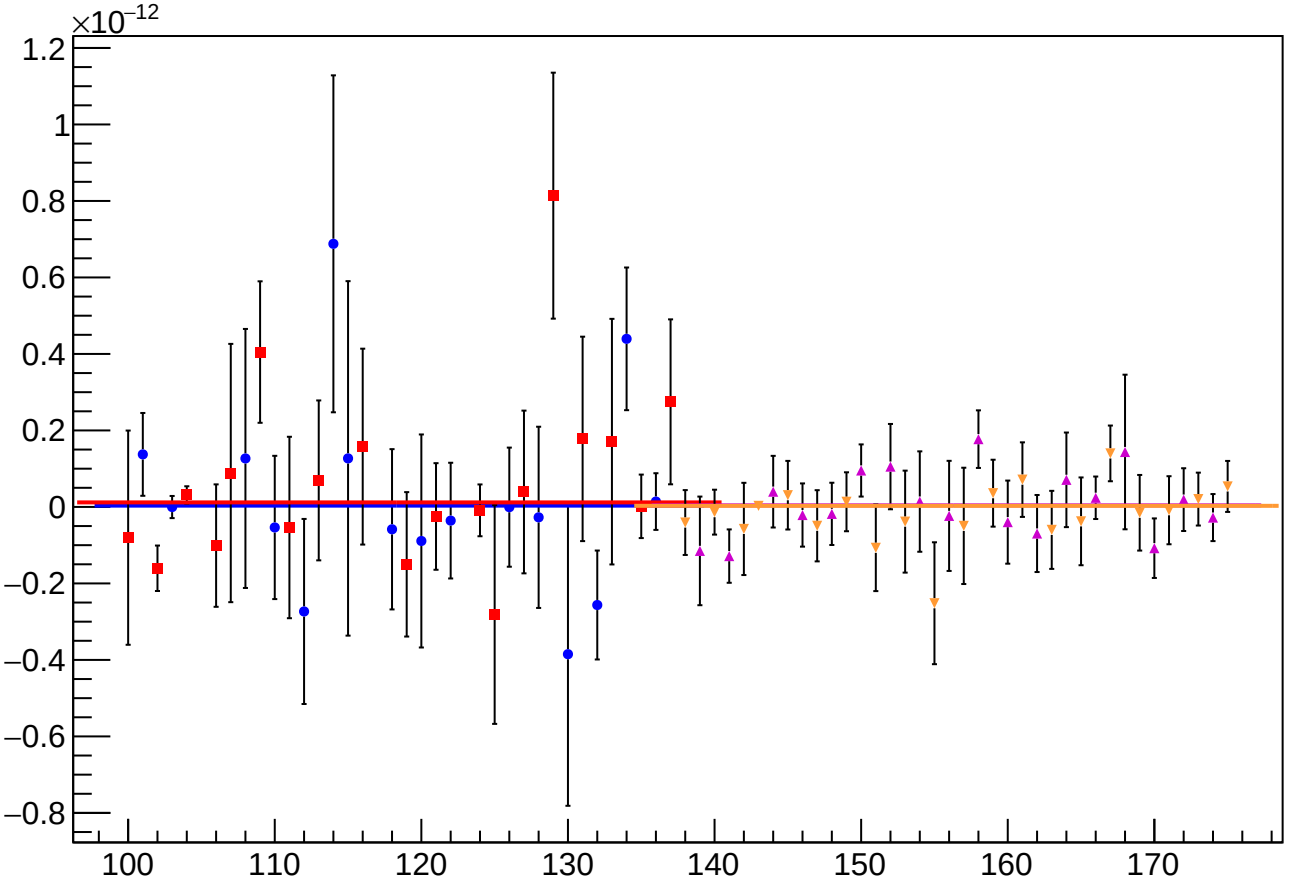
Left In: 310.513+/-0.060 χ^2/NDF:1838229.5/17

+ sign 197.978+/-0.034 χ^2/NDF: 9999467.2/35

All: 192.841+/-0.024 χ^2/NDF: 20172542.8/72

- sign 187.927+/-0.033 χ^2/NDF: 10128348.5/36

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

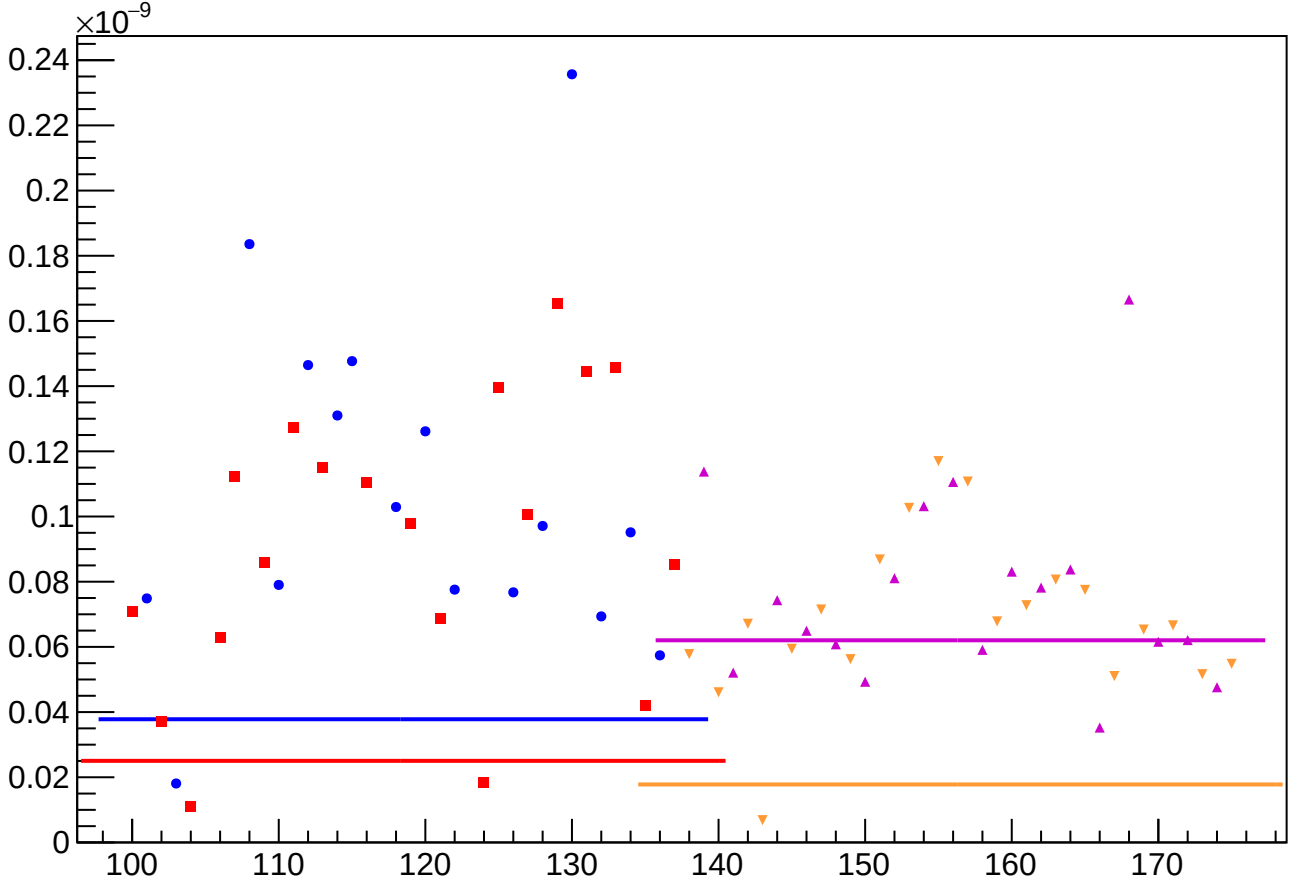
Left In: 0.000+/-0.000 χ^2/NDF:16.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 25.7/35

All: 0.000+/-0.000 χ^2/NDF: 67.6/72

- sign 0.000+/-0.000 χ^2/NDF: 41.7/36

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13463477.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

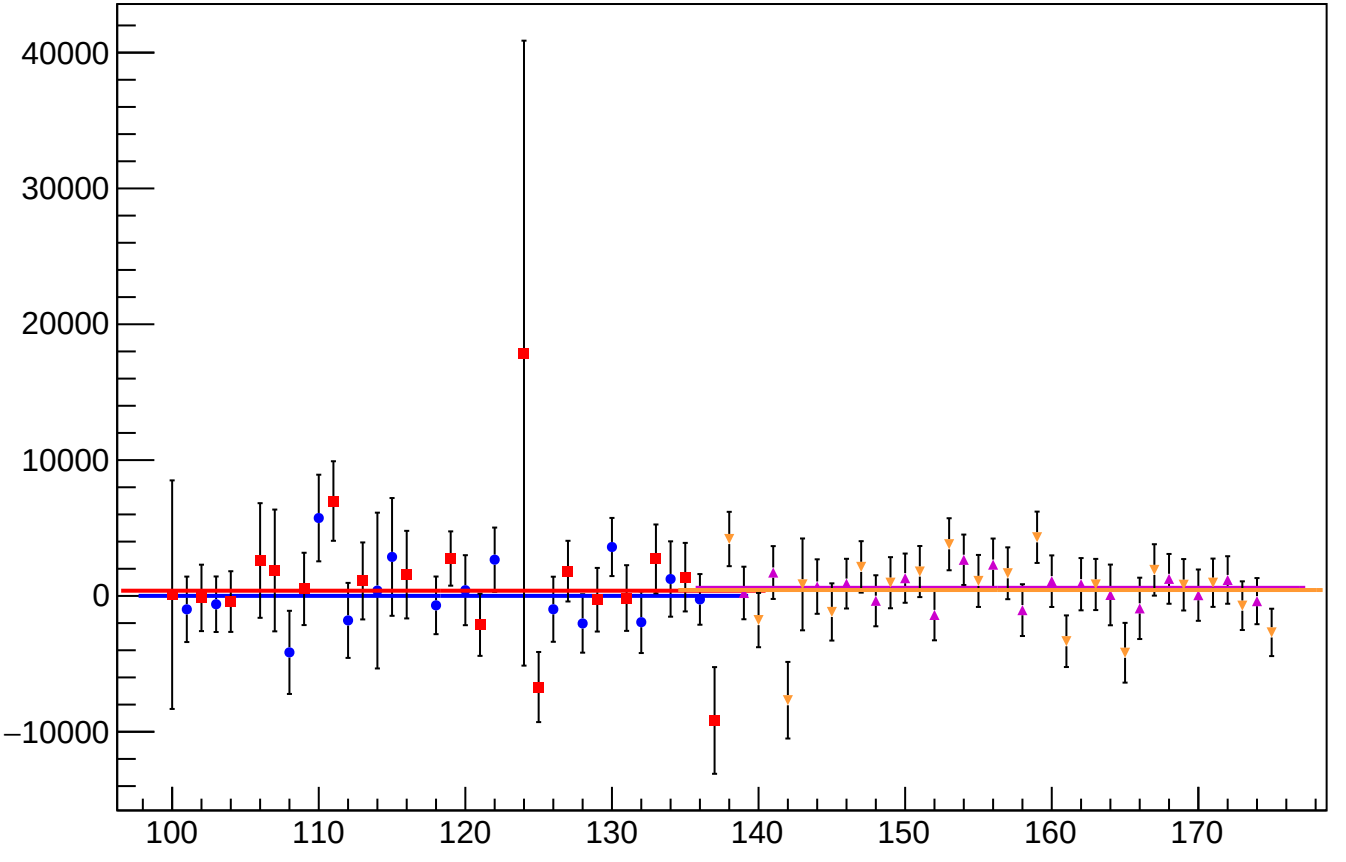
Left In: 0.000+/-0.000 χ^2/NDF:2197109.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 18631144.9/35

All: 0.000+/-0.000 χ^2/NDF: 32732441.6/72

- sign 0.000+/-0.000 χ^2/NDF: 10511933.5/36

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 434.501+/-440.084 χ^2/NDF:35.6/19

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

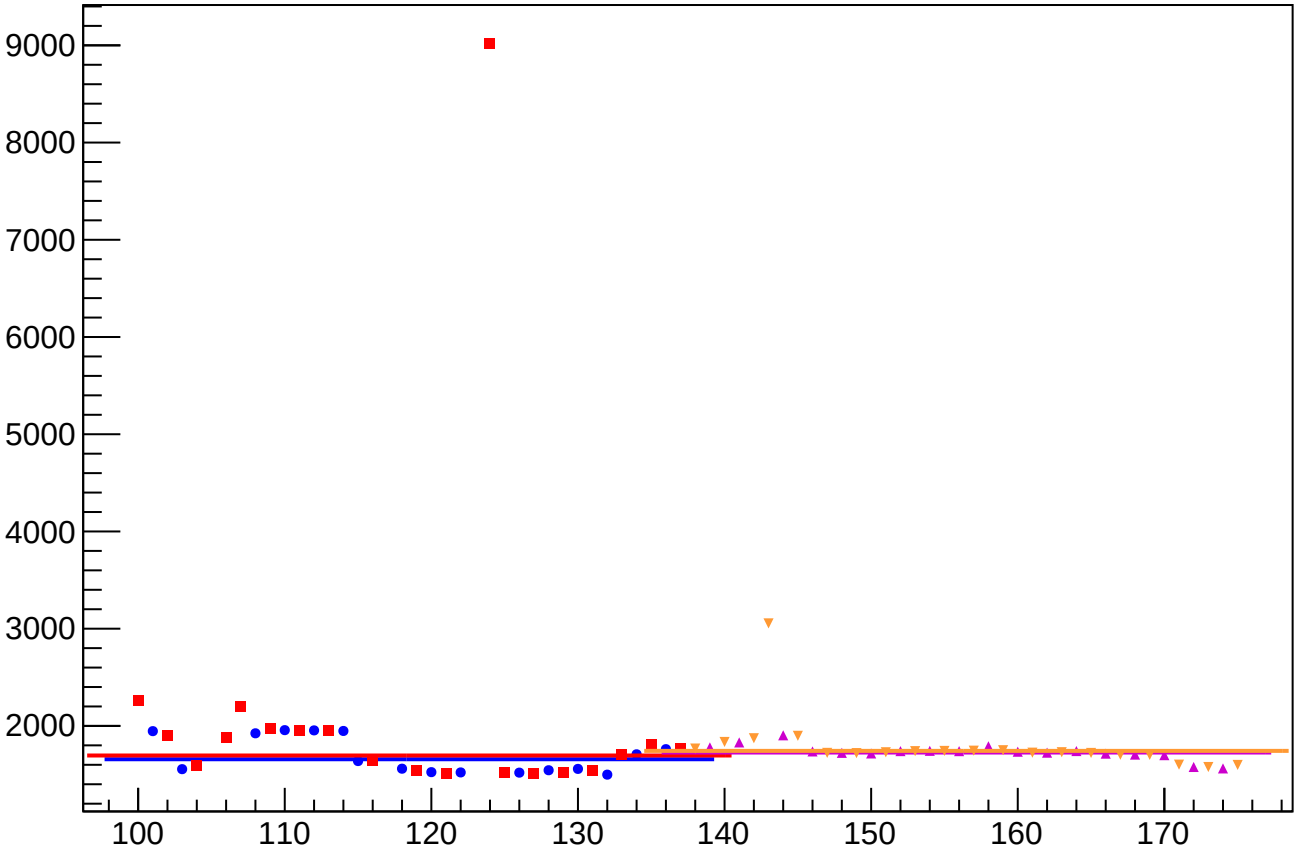
Left In: 596.176+/-447.922 χ^2/NDF:6.0/17

+ sign 290.365+/-358.850 χ^2/NDF: 48.4/35

All: 405.803+/-256.157 χ^2/NDF: 78.7/72

- sign 525.736+/-365.770 χ^2/NDF: 30.1/36

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1743.206+/-0.311 χ^2/NDF:367029.7/19

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

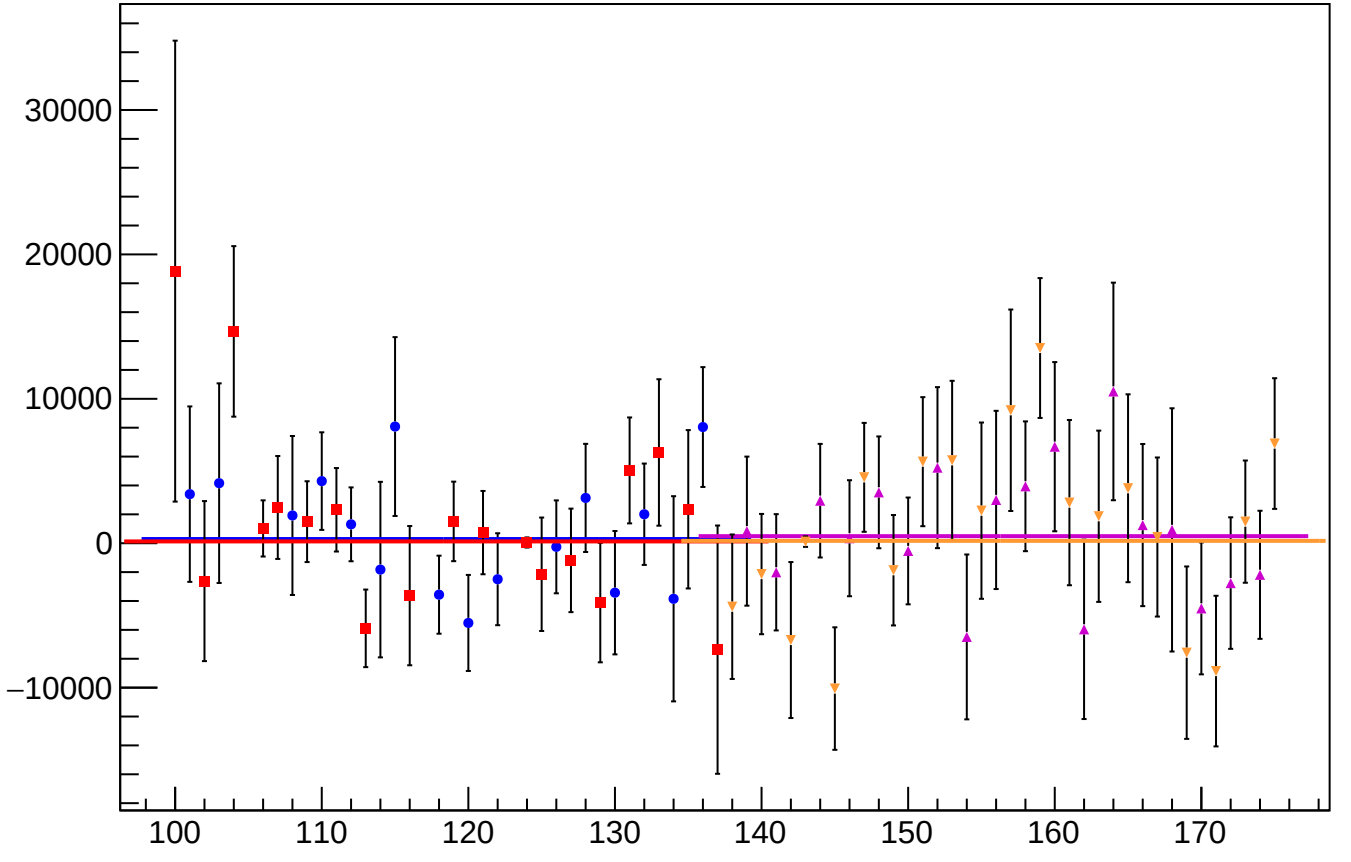
Left In: 1726.214+/-0.317 χ^2/NDF:59430.0/17

+ sign 1714.358+/-0.254 χ^2/NDF: 536657.5/35

All: 1715.149+/-0.181 χ^2/NDF: 985445.3/72

- sign 1715.968+/-0.258 χ^2/NDF: 448768.1/36

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 163.795+/-346.548 χ^2/NDF:29.8/19

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

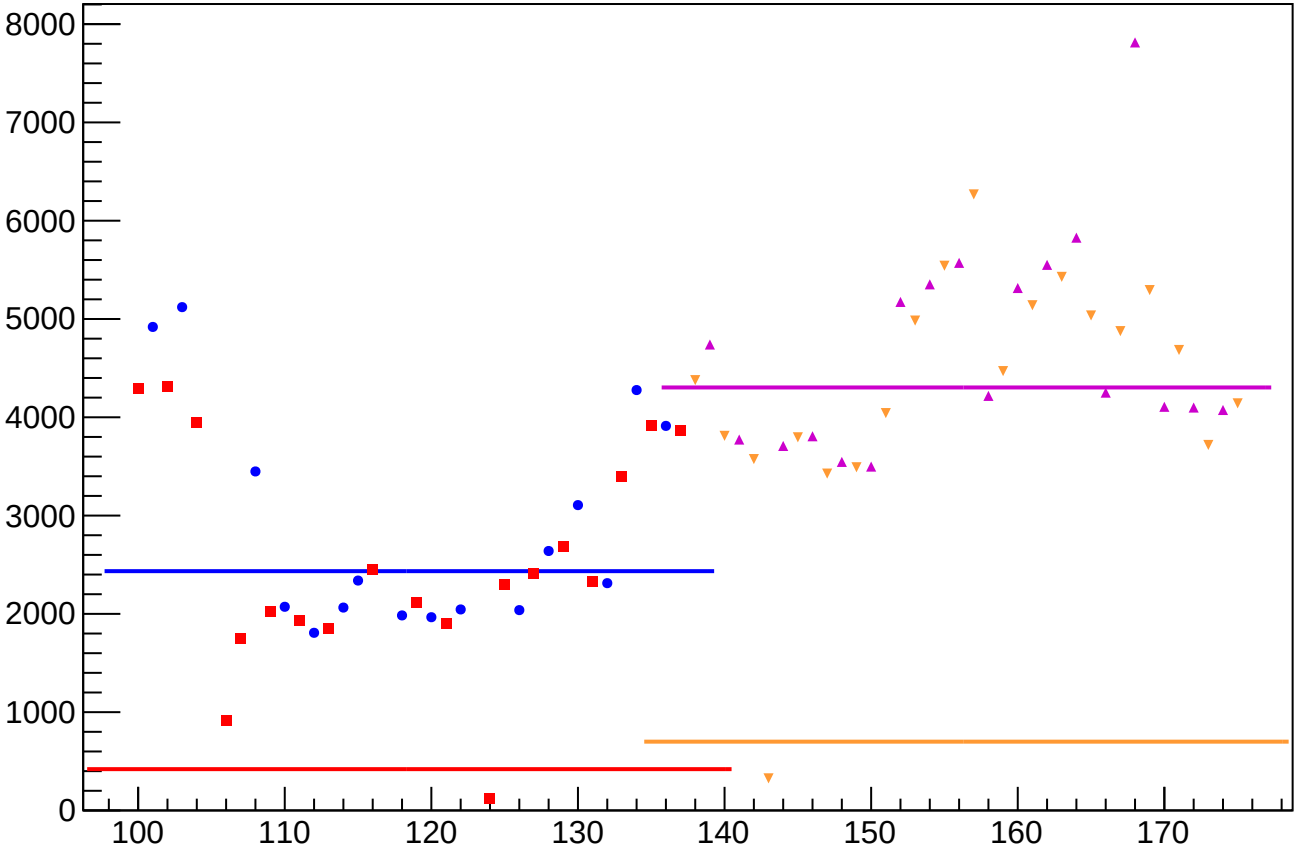
Left In: 489.370+/-1139.714 χ^2/NDF:10.5/17

\+ sign 178.231+/-326.002 χ^2/NDF: 45.0/35

All: 164.903+/-225.177 χ^2/NDF: 76.5/72

\- sign 152.743+/-311.397 χ^2/NDF: 31.4/36

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 699.992+/-0.245 χ^2/NDF:23162262.0/19

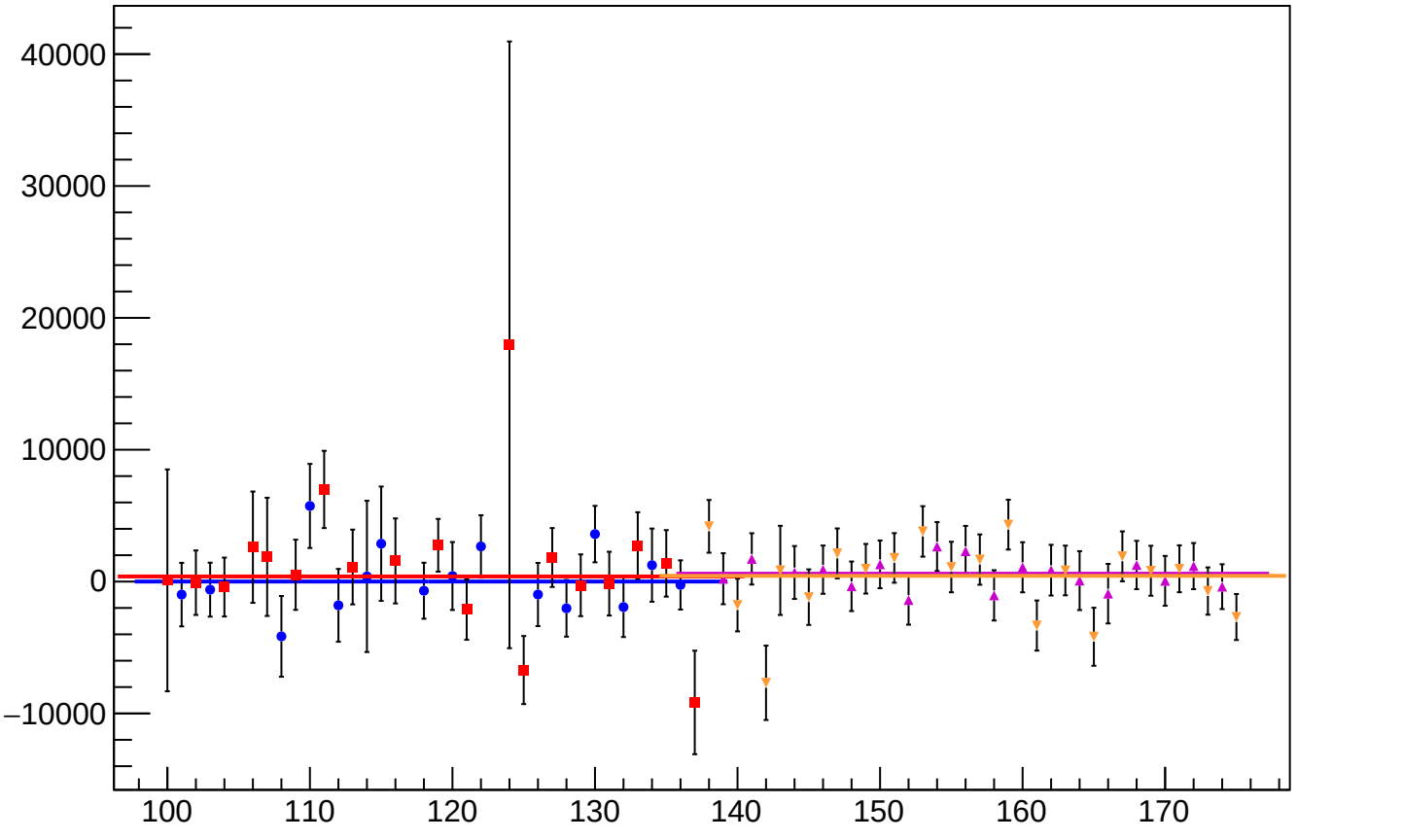
Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4303.408+/-0.806 χ^2/NDF:1080996.9/17

+ sign 899.577+/-0.231 χ^2/NDF: 30385415.7/35

All: 800.537+/-0.159 χ^2/NDF: 64366872.2/72

- sign 710.173+/-0.220 χ^2/NDF: 33628443.9/36



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 434.460+/-440.084 χ^2/NDF:35.7/19

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

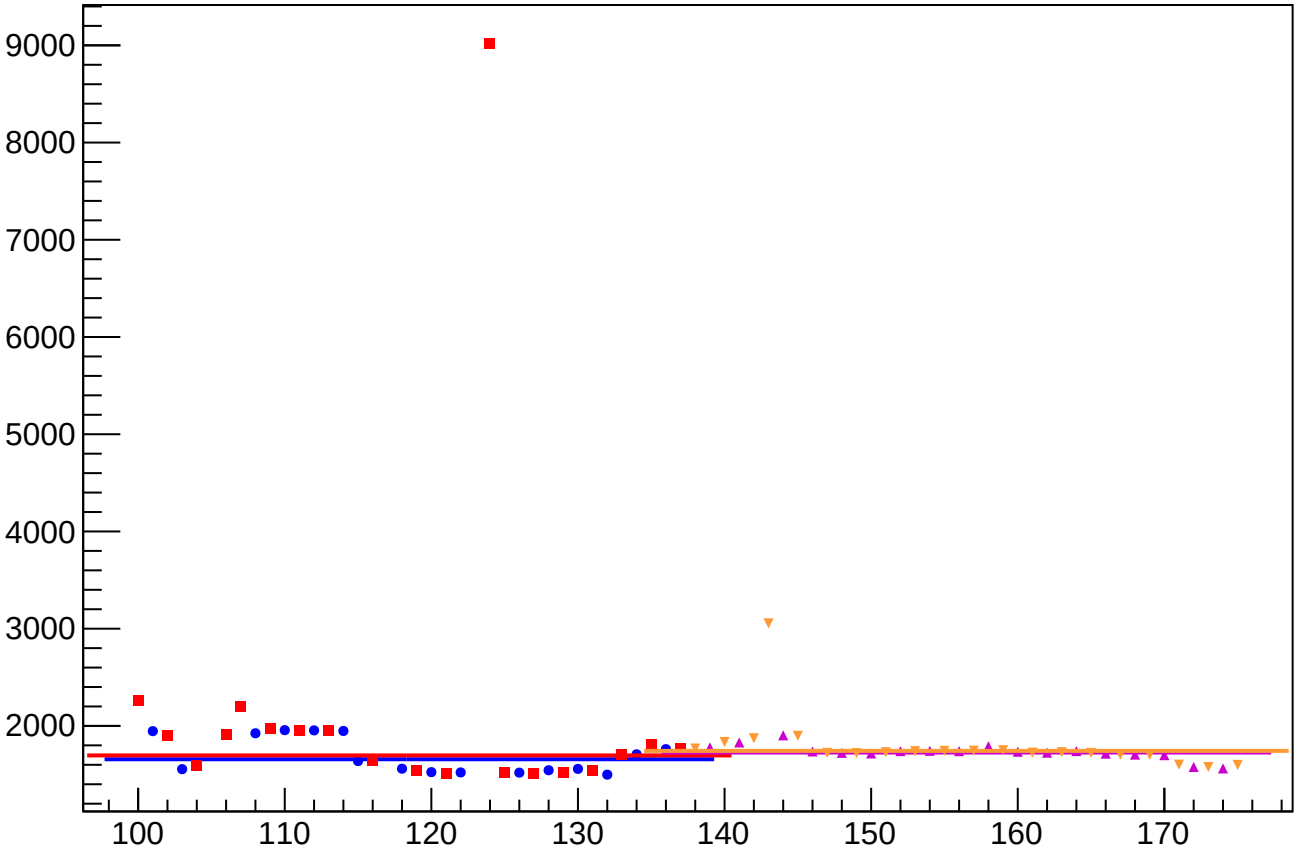
Left In: 596.158+/-447.922 χ^2/NDF:6.0/17

+ sign 290.311+/-358.850 χ^2/NDF: 48.4/35

All: 406.472+/-256.157 χ^2/NDF: 78.7/72

- sign 527.157+/-365.771 χ^2/NDF: 30.1/36

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1743.206+/-0.311 χ^2/NDF:367029.7/19

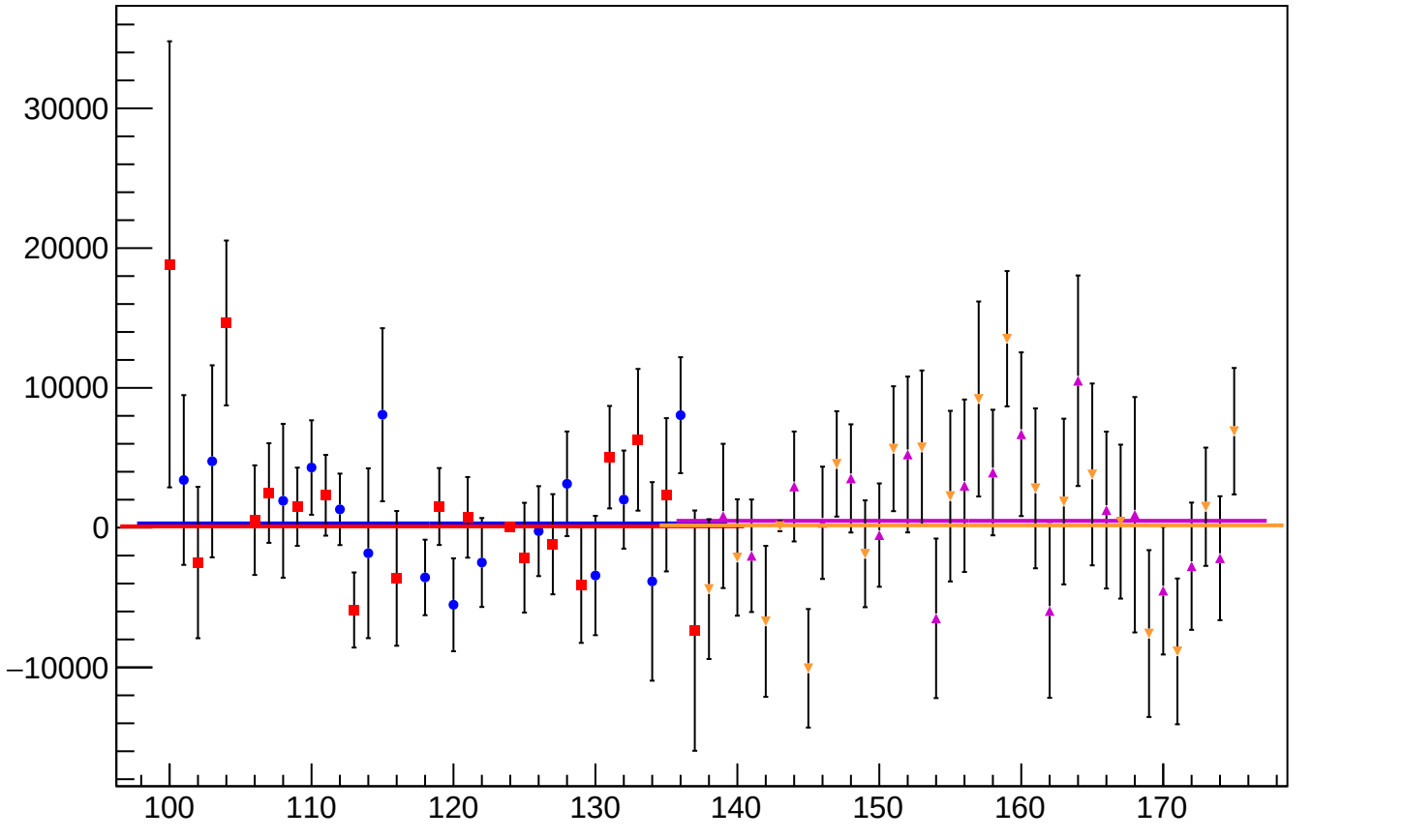
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1726.214+/-0.317 χ^2/NDF:59430.0/17

+ sign 1714.358+/-0.254 χ^2/NDF: 536657.6/35

All: 1715.282+/-0.181 χ^2/NDF: 987049.0/72

- sign 1716.240+/-0.258 χ^2/NDF: 450364.4/36



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 164.217+/-346.523 χ^2/NDF:29.8/19

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

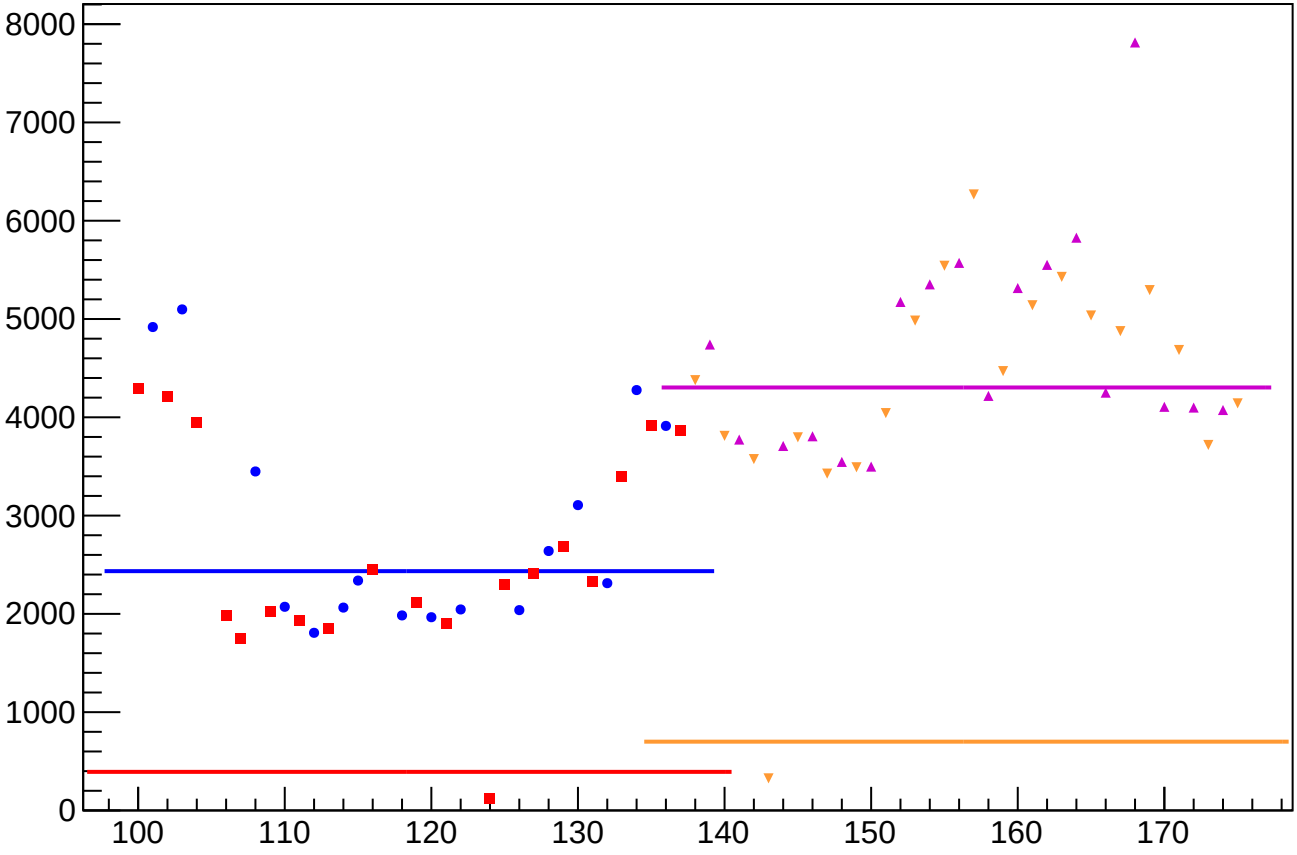
Left In: 489.375+/-1139.713 χ^2/NDF:10.5/17

\+ sign 180.053+/-325.977 χ^2/NDF: 45.1/35

All: 148.258+/-222.439 χ^2/NDF: 76.4/72

\- sign 120.552+/-304.295 χ^2/NDF: 31.2/36

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 699.912+/-0.245 χ^2/NDF:23162913.0/19

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

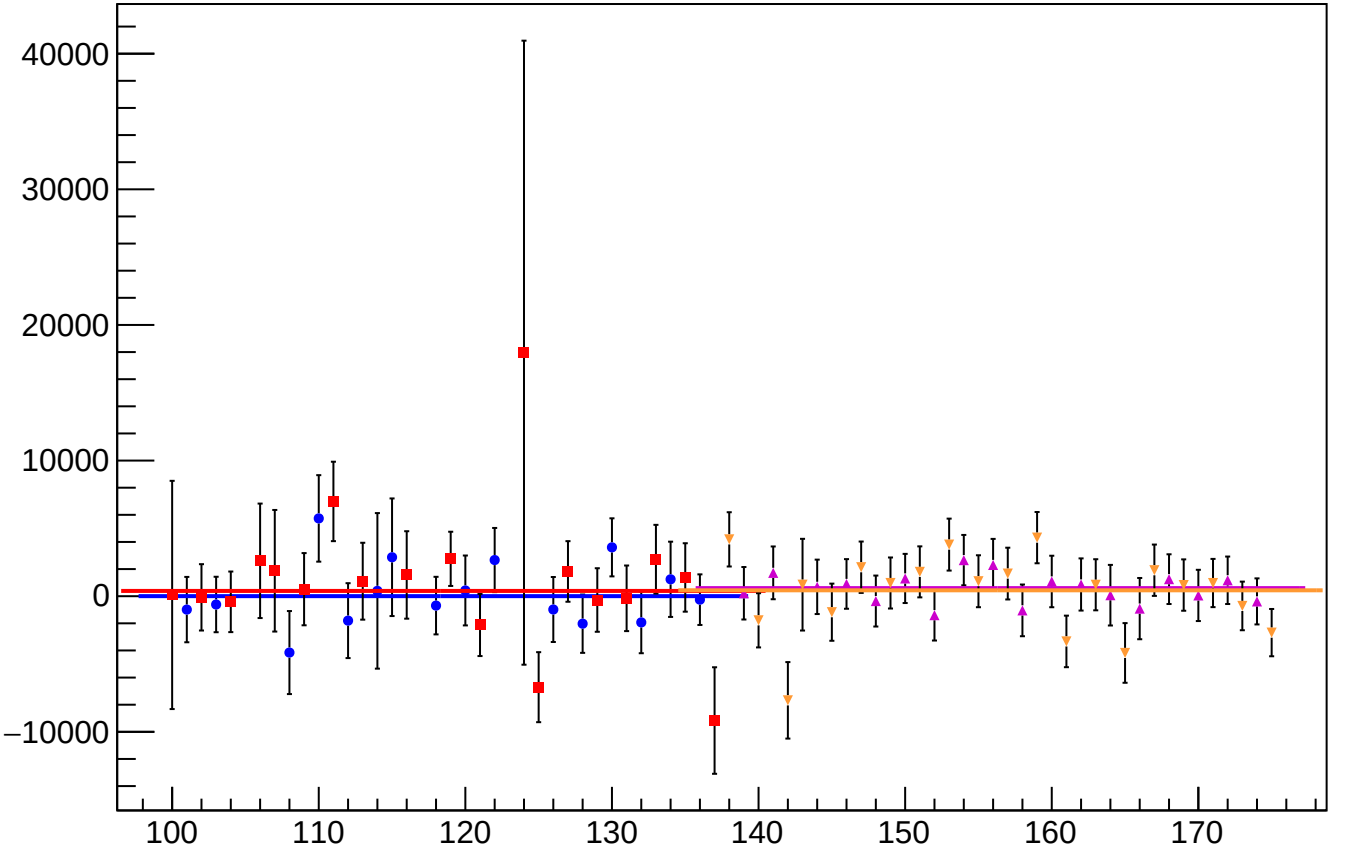
Left In: 4303.404+/-0.806 χ^2/NDF:1080988.6/17

+ sign 899.544+/-0.231 χ^2/NDF: 30387354.9/35

All: 777.656+/-0.157 χ^2/NDF: 65269170.6/72

- sign 671.443+/-0.215 χ^2/NDF: 34358521.8/36

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 434.460+/-440.084 χ^2/NDF:35.7/19

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

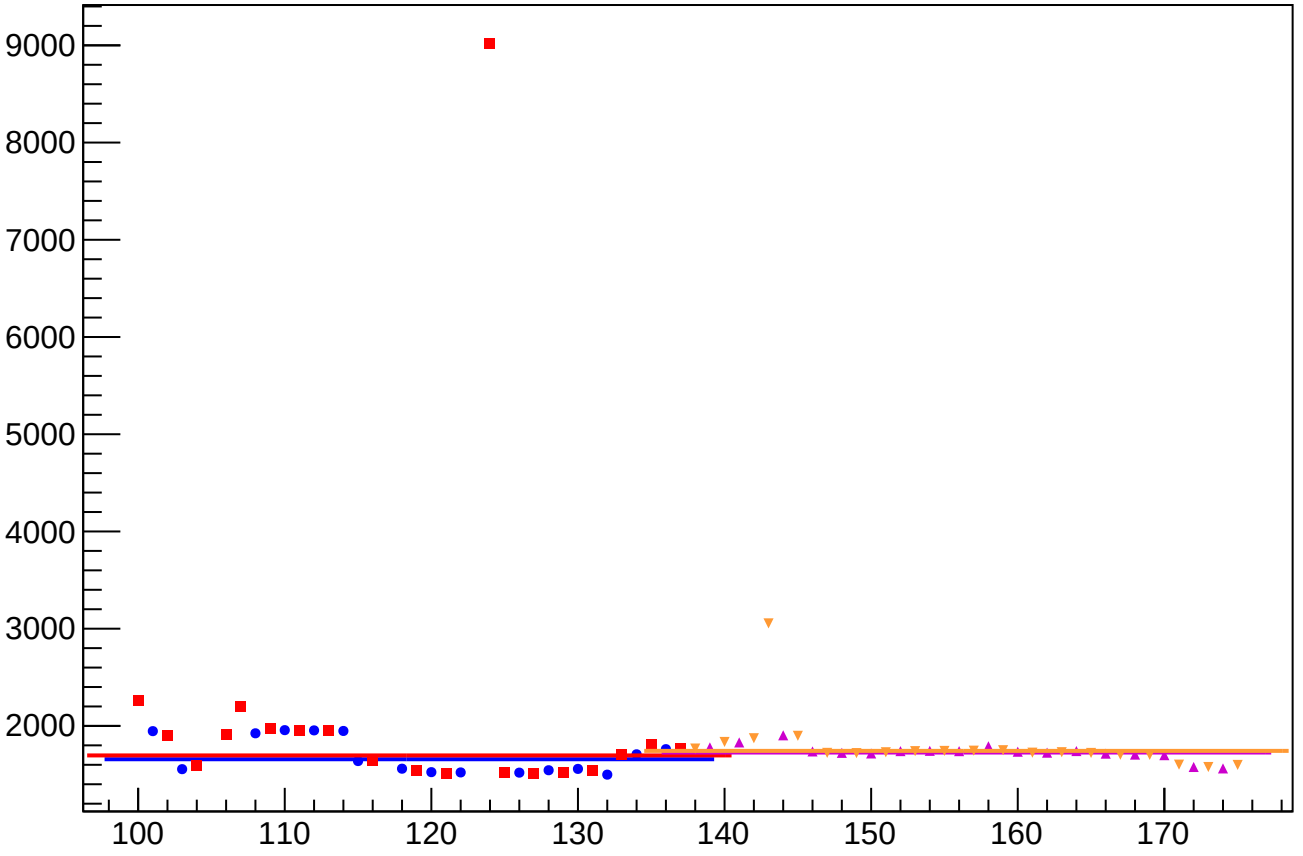
Left In: 596.158+/-447.922 χ^2/NDF:6.0/17

+ sign 290.311+/-358.850 χ^2/NDF: 48.4/35

All: 406.472+/-256.157 χ^2/NDF: 78.7/72

- sign 527.157+/-365.771 χ^2/NDF: 30.1/36

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1743.206+/-0.311 χ^2/NDF:367029.7/19

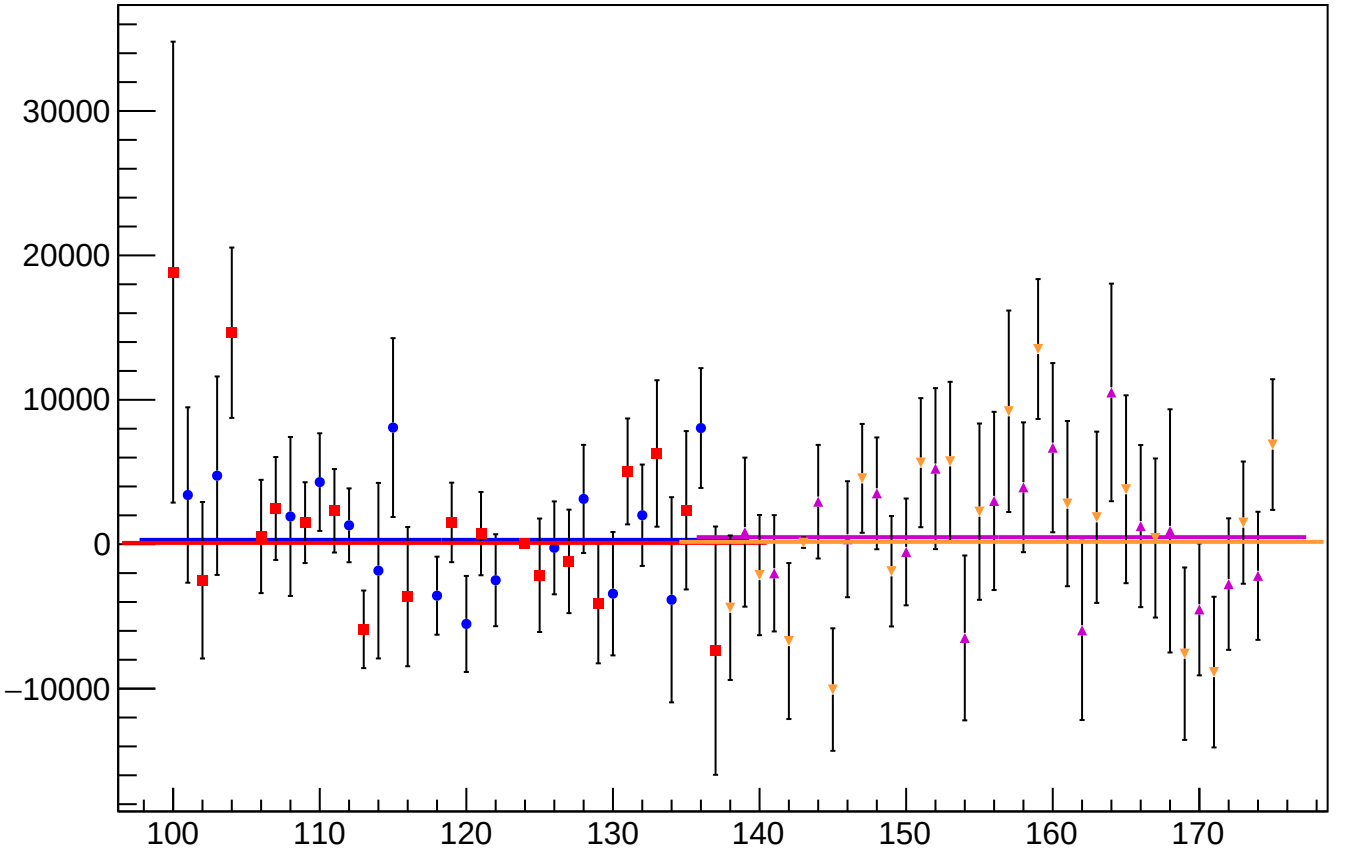
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1726.214+/-0.317 χ^2/NDF:59430.0/17

+ sign 1714.358+/-0.254 χ^2/NDF: 536657.6/35

All: 1715.282+/-0.181 χ^2/NDF: 987049.0/72

- sign 1716.240+/-0.258 χ^2/NDF: 450364.4/36



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 164.217+/-346.523 χ^2/NDF:29.8/19

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

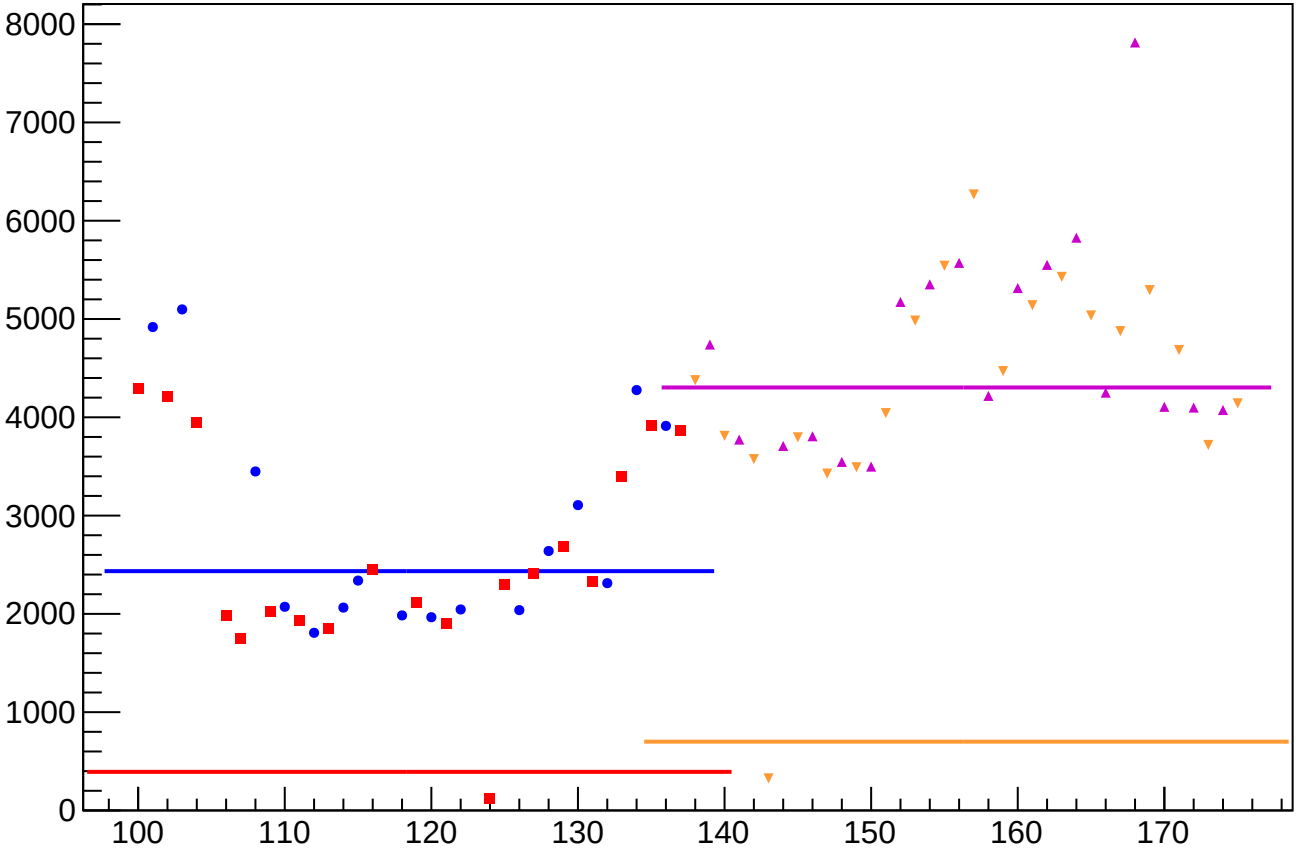
Left In: 489.375+/-1139.713 χ^2/NDF:10.5/17

+ sign 180.053+/-325.977 χ^2/NDF: 45.1/35

All: 148.258+/-222.439 χ^2/NDF: 76.4/72

- sign 120.552+/-304.295 χ^2/NDF: 31.2/36

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 699.912+/-0.245 χ^2/NDF:23162913.0/19

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

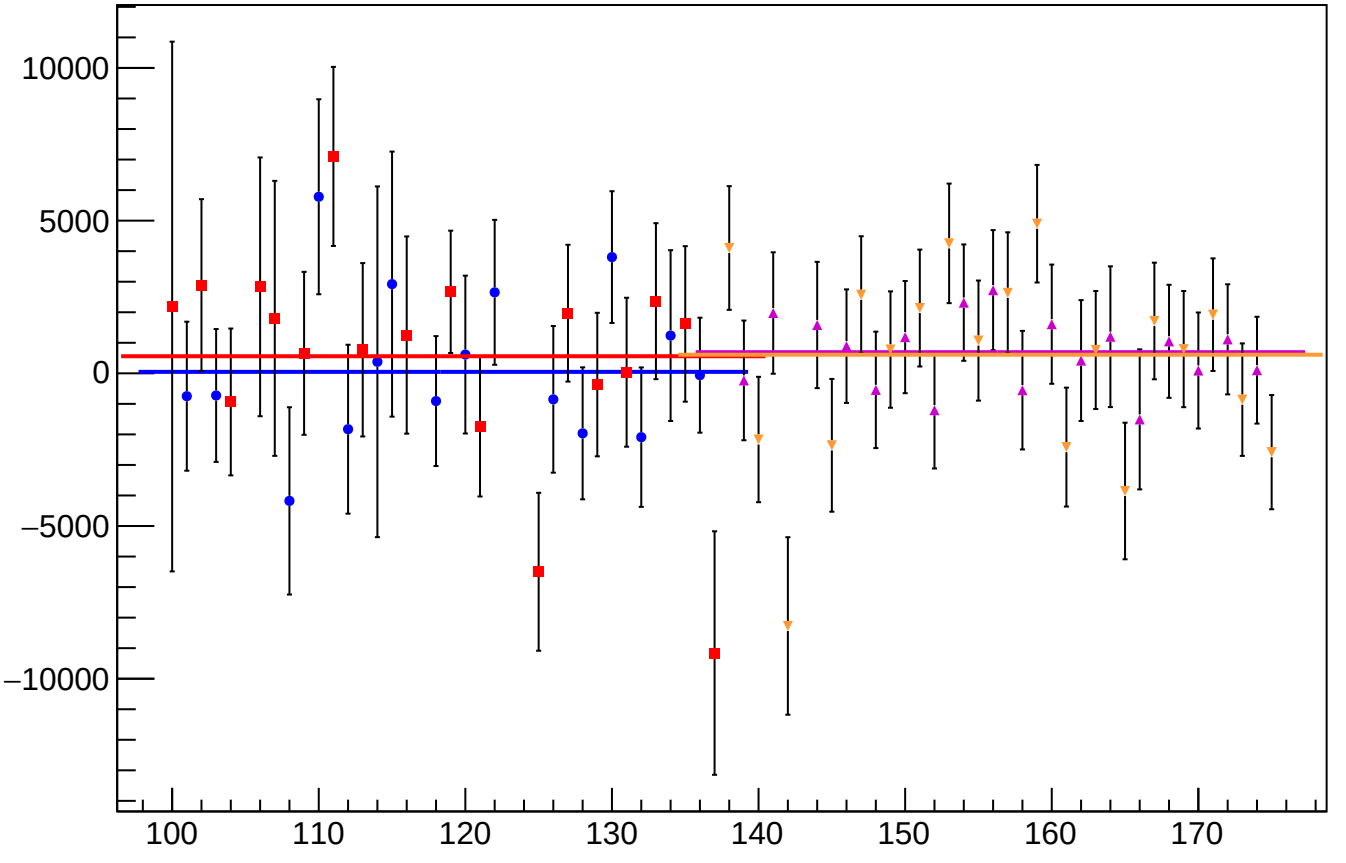
Left In: 4303.404+/-0.806 χ^2/NDF:1080988.6/17

+ sign 899.544+/-0.231 χ^2/NDF: 30387354.9/35

All: 777.656+/-0.157 χ^2/NDF: 65269170.6/72

- sign 671.443+/-0.215 χ^2/NDF: 34358521.8/36

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 609.319+/-454.897 χ^2/NDF:38.0/18

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

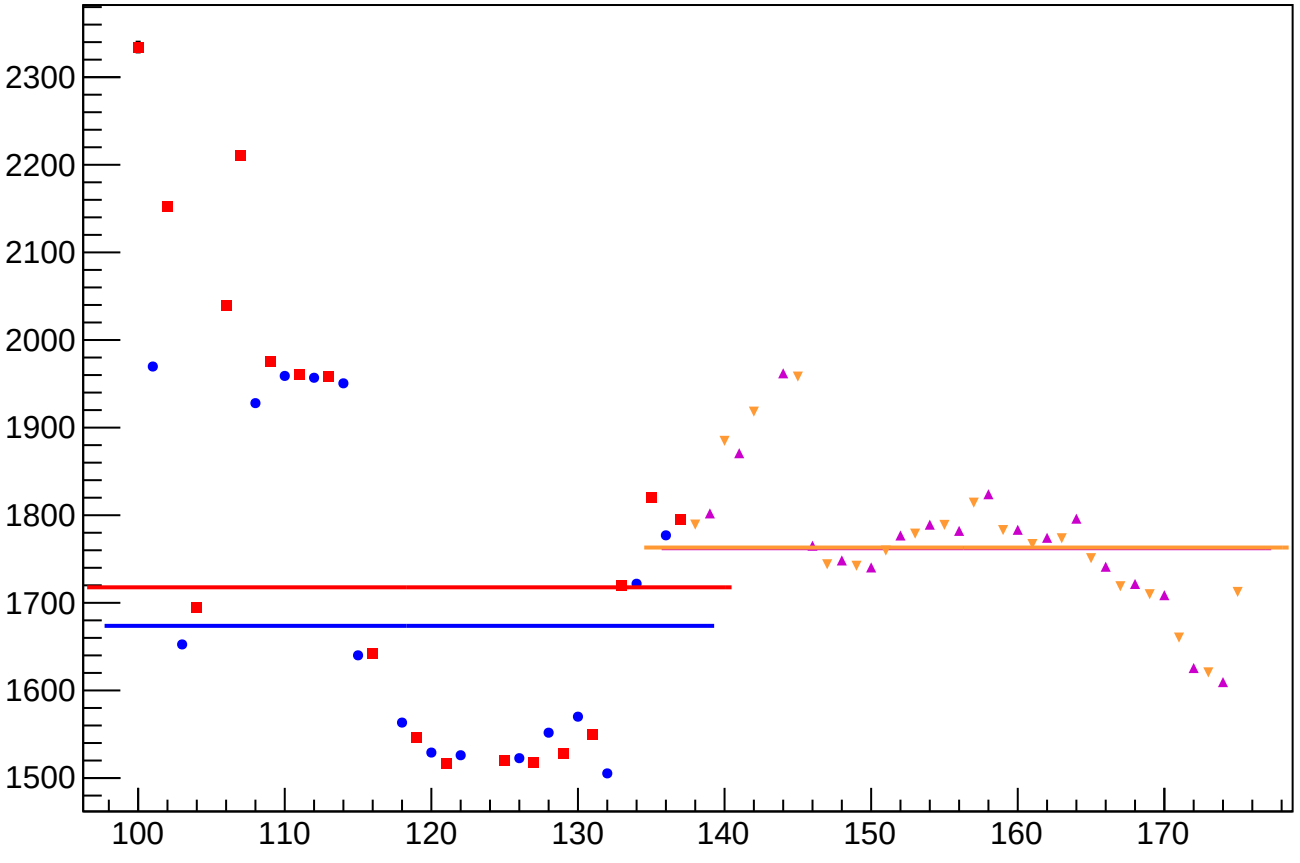
Left In: 692.168+/-457.311 χ^2/NDF:6.0/17

\+ sign 415.518+/-368.027 χ^2/NDF: 51.4/34

All: 530.088+/-262.014 χ^2/NDF: 80.9/70

\- sign 647.846+/-373.114 χ^2/NDF: 29.3/35

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1763.129+/-0.322 χ^2/NDF:54085.4/18

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

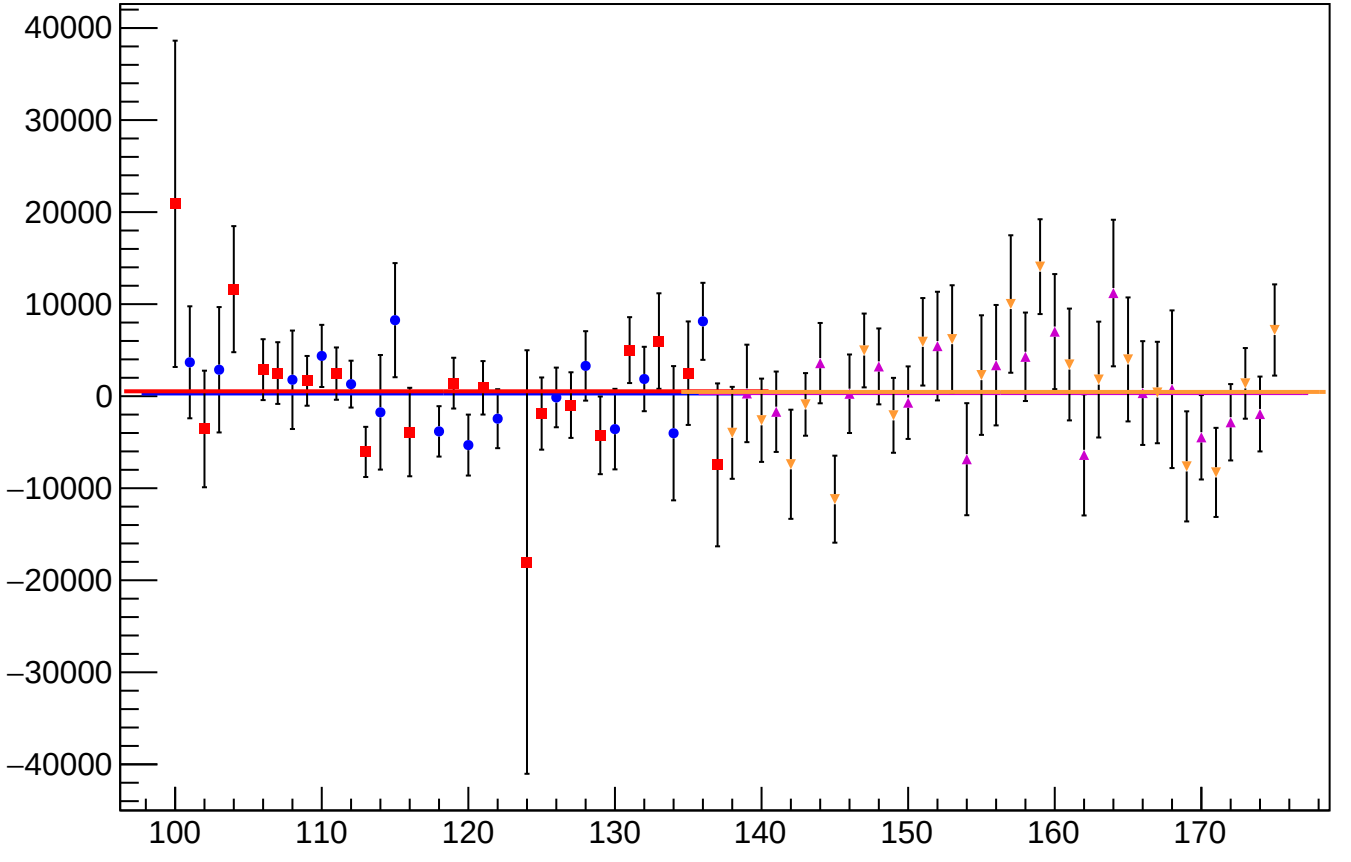
Left In: 1762.336+/-0.323 χ^2/NDF:58793.6/17

+ sign 1732.244+/-0.260 χ^2/NDF: 221644.4/34

All: 1739.710+/-0.185 χ^2/NDF: 516133.5/70

- sign 1747.371+/-0.264 χ^2/NDF: 292821.5/35

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 462.629+/-1110.883 χ^2/NDF:29.4/19

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

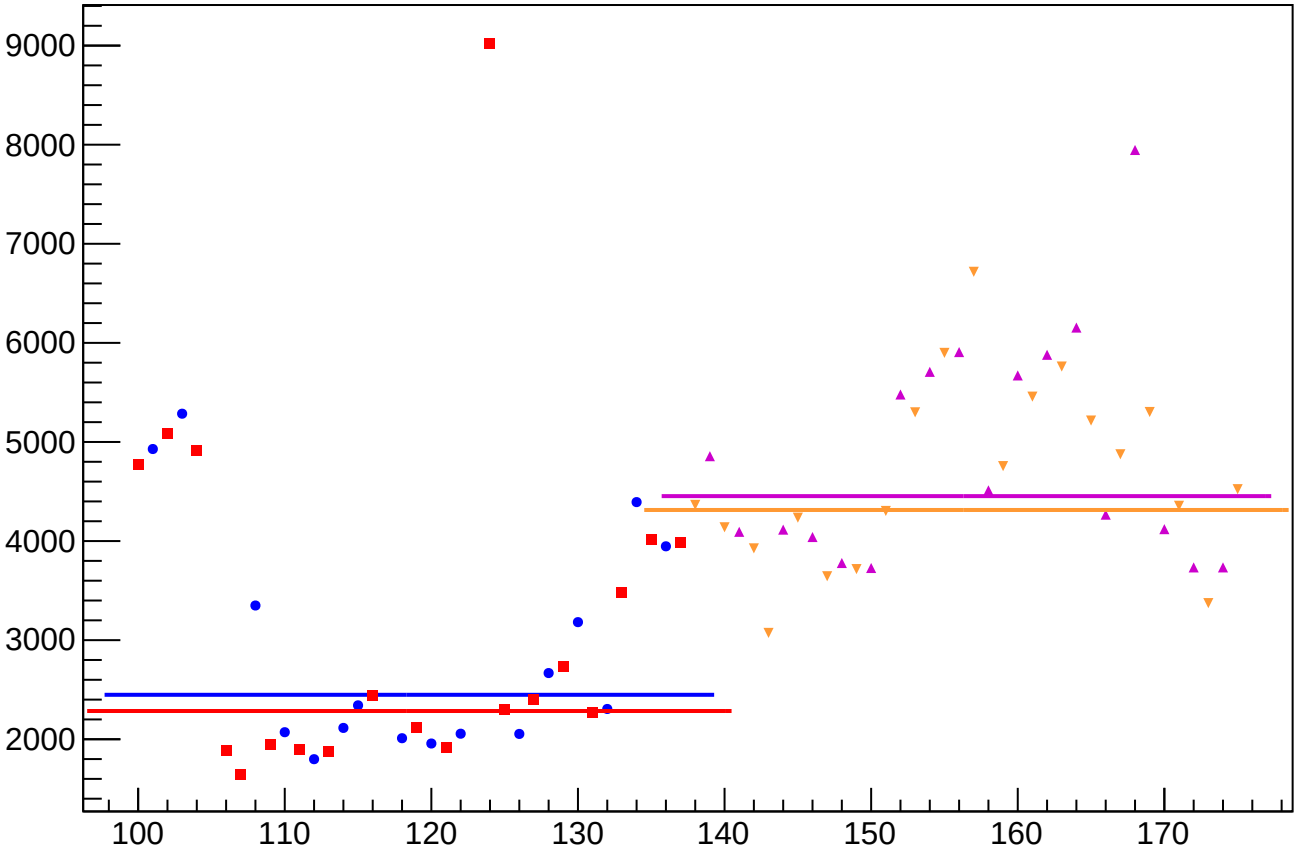
Left In: 336.588+/-1181.199 χ^2/NDF:10.4/17

\+ sign 367.929+/-728.375 χ^2/NDF: 44.7/35

All: 415.911+/-507.582 χ^2/NDF: 73.9/72

\- sign 461.212+/-707.730 χ^2/NDF: 29.2/36

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4313.696+/-0.786 χ^2/NDF:1186218.4/19

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

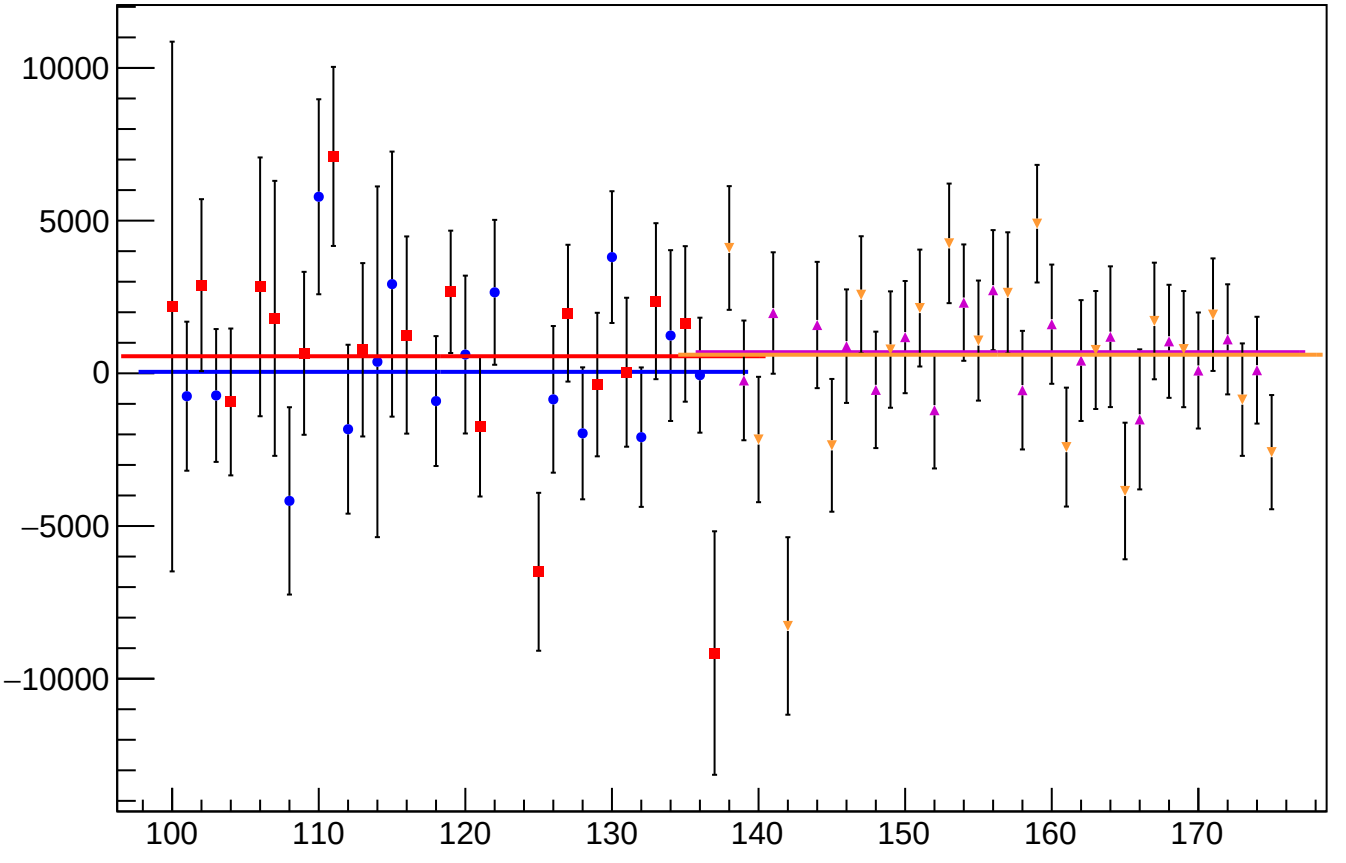
Left In: 4453.530+/-0.835 χ^2/NDF:1150734.4/17

+ sign 3250.415+/-0.515 χ^2/NDF: 5917780.3/35

All: 3154.292+/-0.359 χ^2/NDF: 13005671.1/7

- sign 3063.540+/-0.500 χ^2/NDF: 7020173.5/36

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 609.320+/-454.897 χ^2/NDF:38.0/18

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

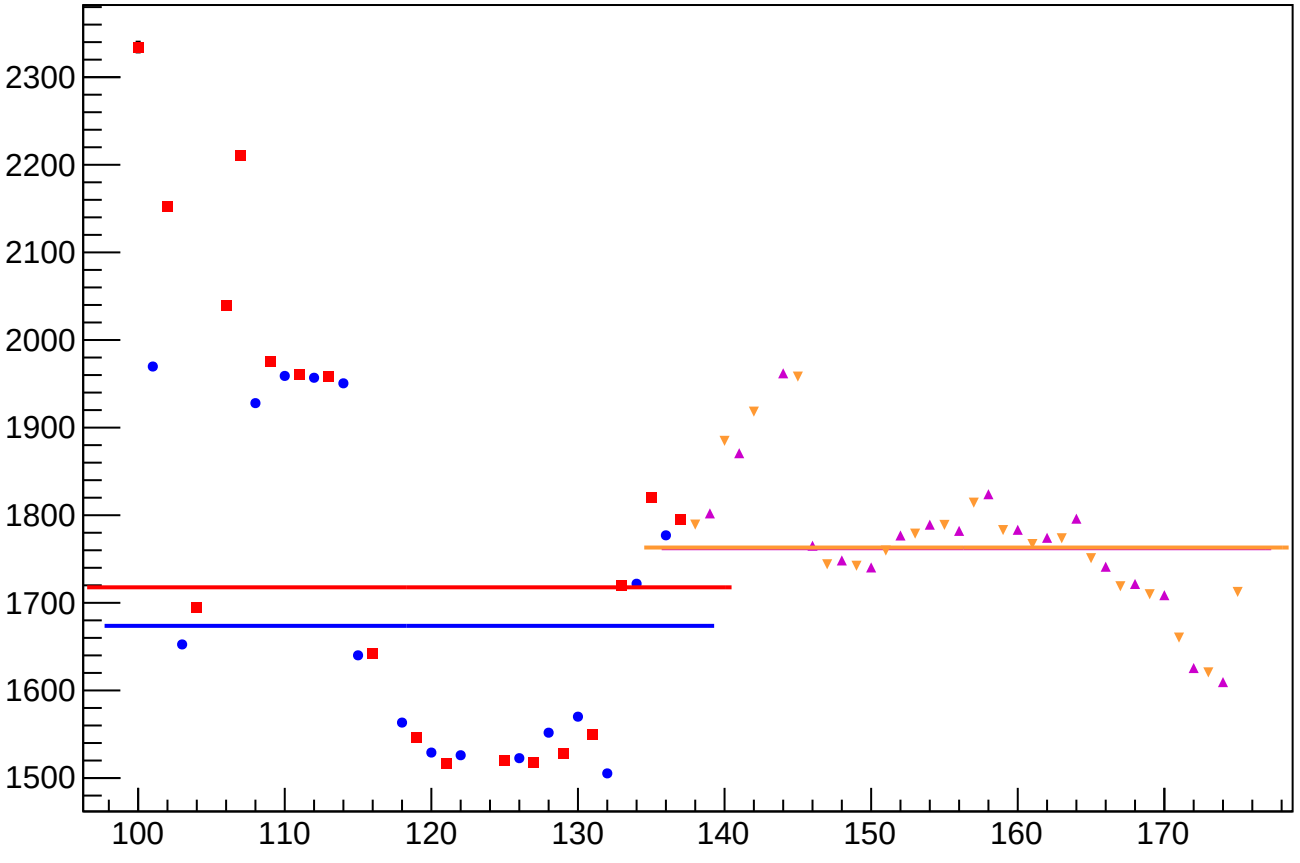
Left In: 692.168+/-457.311 χ^2/NDF:6.0/17

+ sign 415.518+/-368.027 χ^2/NDF: 51.4/34

All: 530.088+/-262.015 χ^2/NDF: 80.9/70

- sign 647.847+/-373.114 χ^2/NDF: 29.3/35

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1763.129+/-0.322 χ^2/NDF:54087.2/18

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

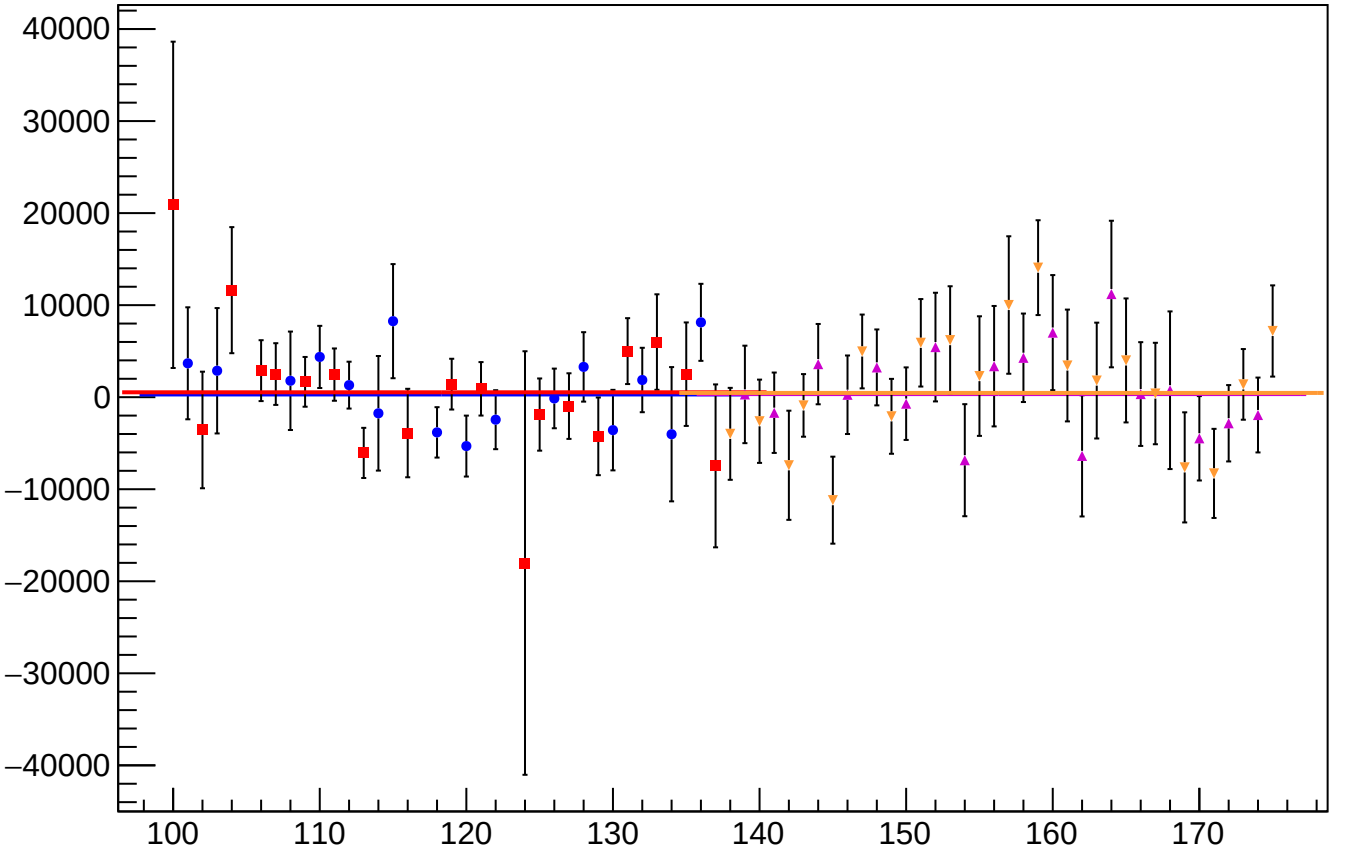
Left In: 1762.336+/-0.323 χ^2/NDF:58795.4/17

+ sign 1732.244+/-0.260 χ^2/NDF: 221646.6/34

All: 1739.710+/-0.185 χ^2/NDF: 516136.9/70

- sign 1747.371+/-0.264 χ^2/NDF: 292822.7/35

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 462.633+/-1110.885 χ^2/NDF:29.4/19

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

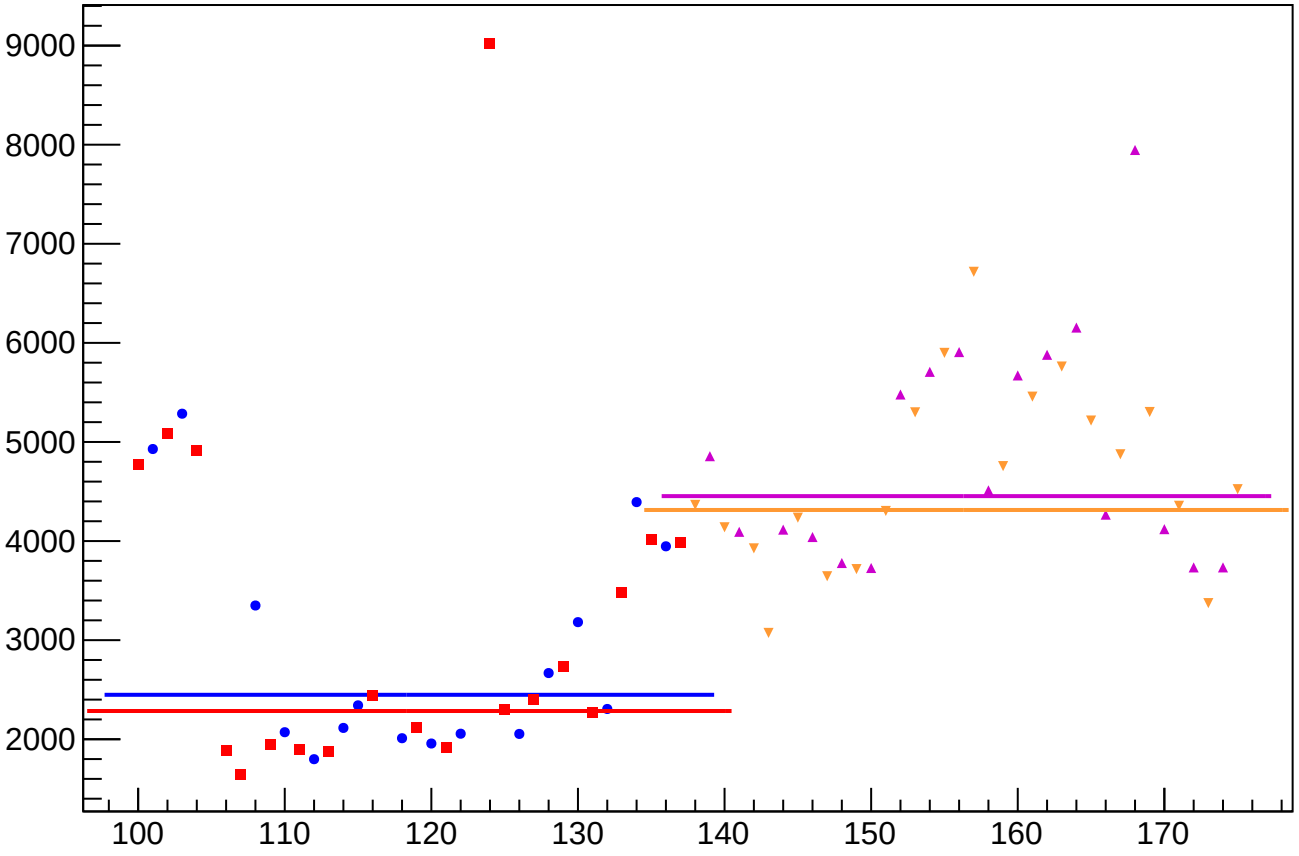
Left In: 336.589+/-1181.201 χ^2/NDF:10.4/17

+ sign 367.927+/-728.374 χ^2/NDF: 44.7/35

All: 415.911+/-507.582 χ^2/NDF: 73.9/72

- sign 461.213+/-707.729 χ^2/NDF: 29.2/36

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4313.702+/-0.786 χ^2/NDF:1186219.9/19

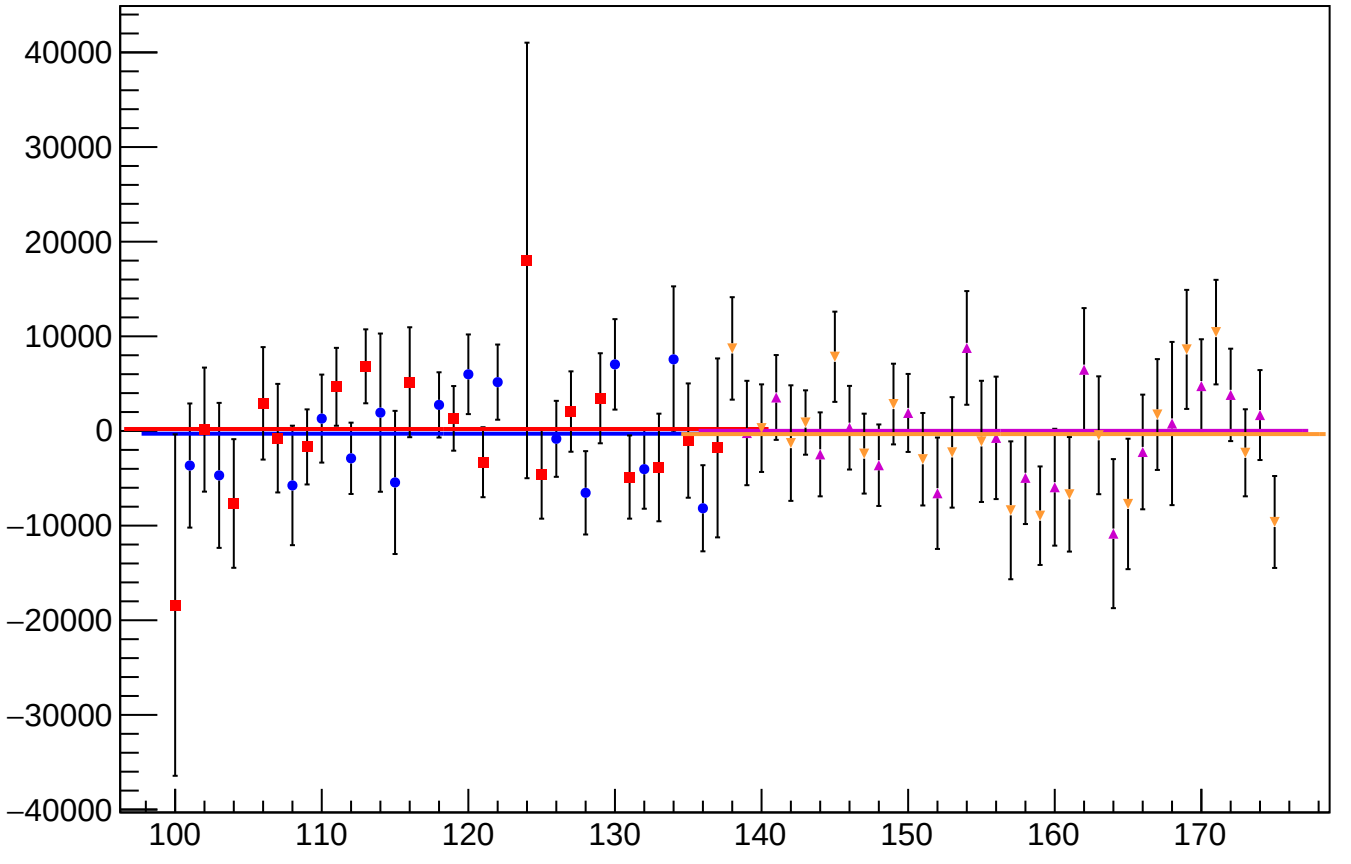
Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4453.537+/-0.835 χ^2/NDF:1150734.4/17

+ sign 3250.407+/-0.515 χ^2/NDF: 5917859.9/35

All: 3154.283+/-0.359 χ^2/NDF: 13005822.9/7

- sign 3063.532+/-0.500 χ^2/NDF: 7020245.7/36



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -329.655+/-1153.474 χ^2/NDF:23.1/19

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

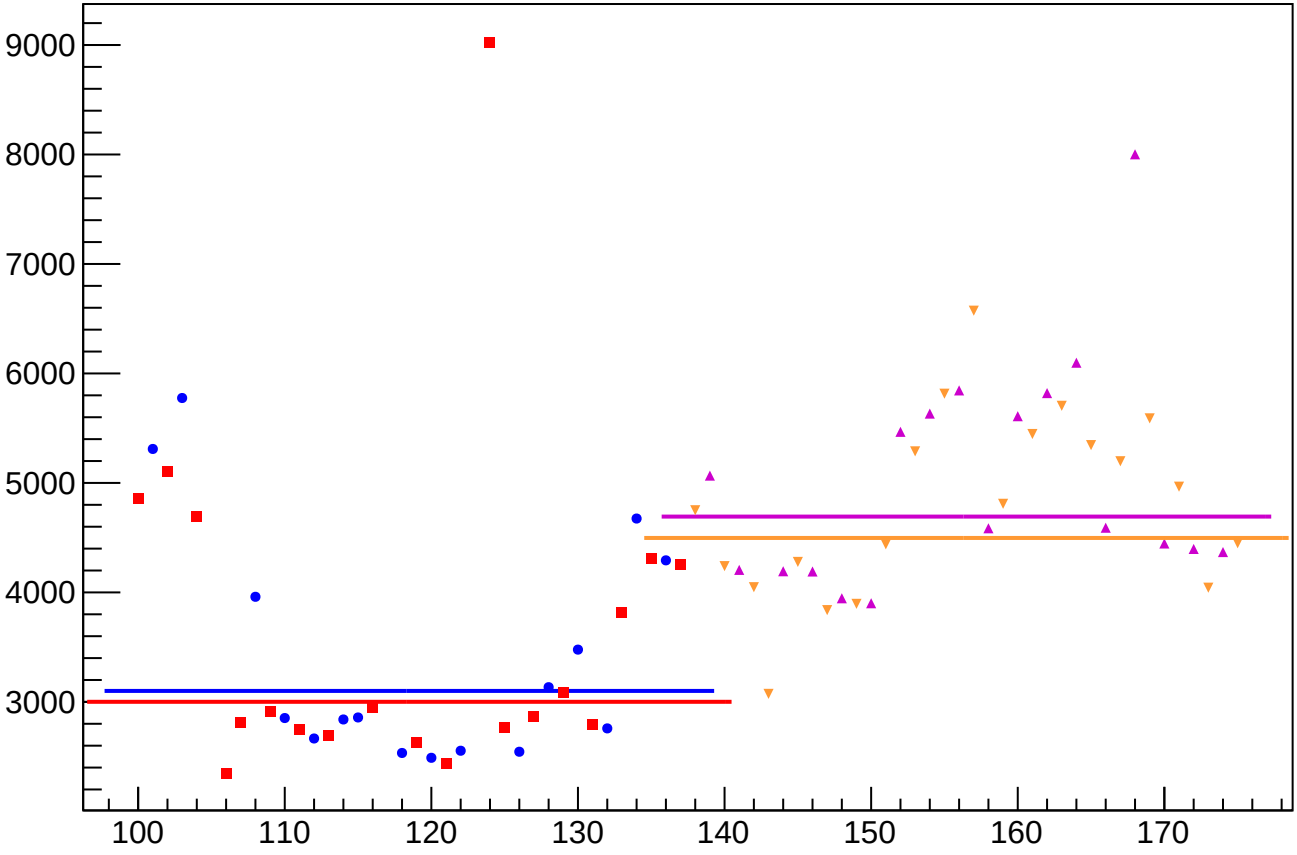
Left In: 11.208+/-1236.897 χ^2/NDF:11.9/17

\+ sign -309.256+/-830.704 χ^2/NDF: 39.7/35

All: -99.320+/-591.933 χ^2/NDF: 64.6/72

\- sign 117.228+/-843.686 χ^2/NDF: 24.8/36

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4497.381+/-0.816 χ^2/NDF:1033854.0/19

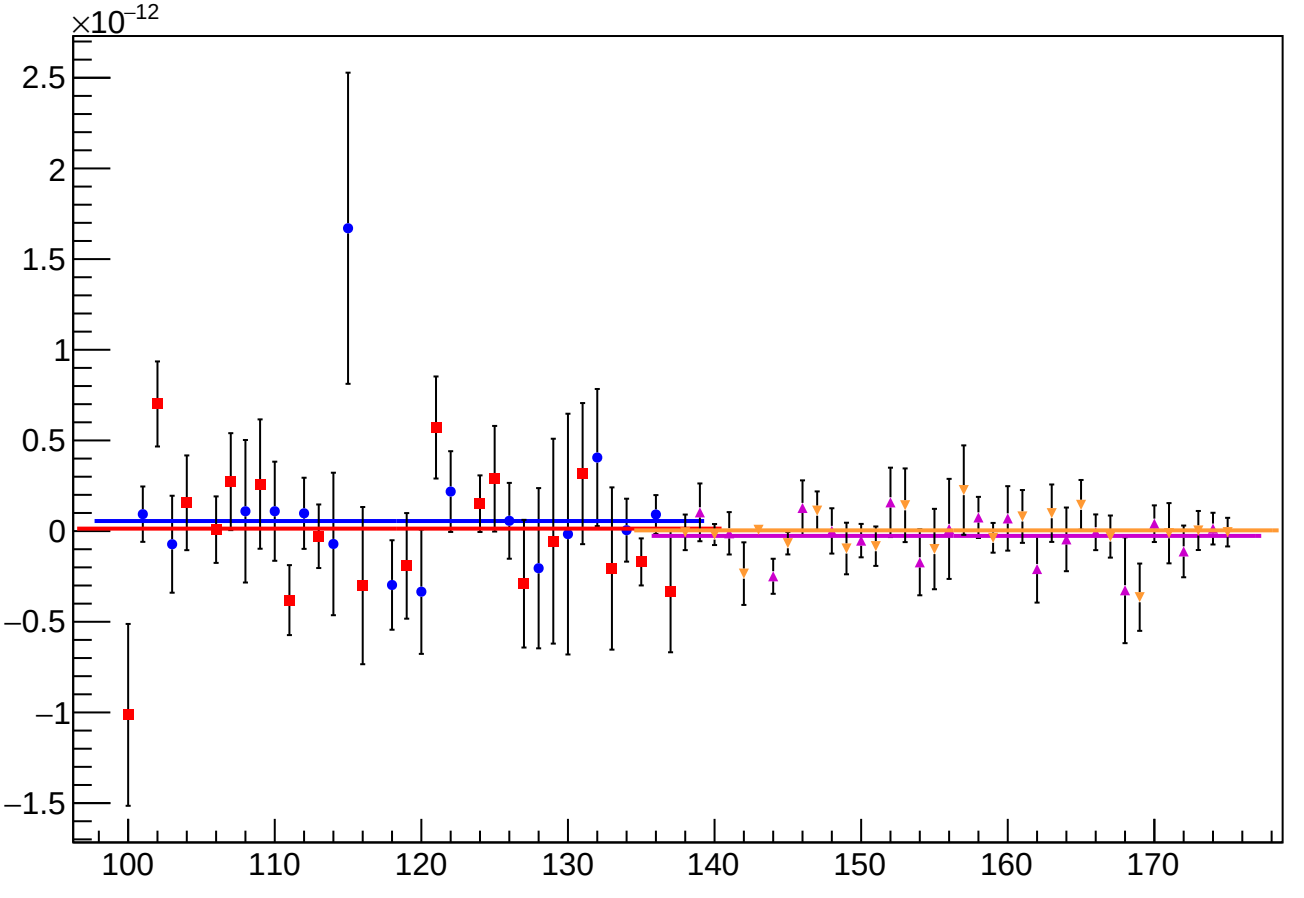
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4692.536+/-0.875 χ^2/NDF:850406.8/17

+ sign 3824.819+/-0.587 χ^2/NDF: 3410122.6/35

All: 3800.827+/-0.417 χ^2/NDF: 7096544.6/72

- sign 3776.439+/-0.592 χ^2/NDF: 3683057.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/19

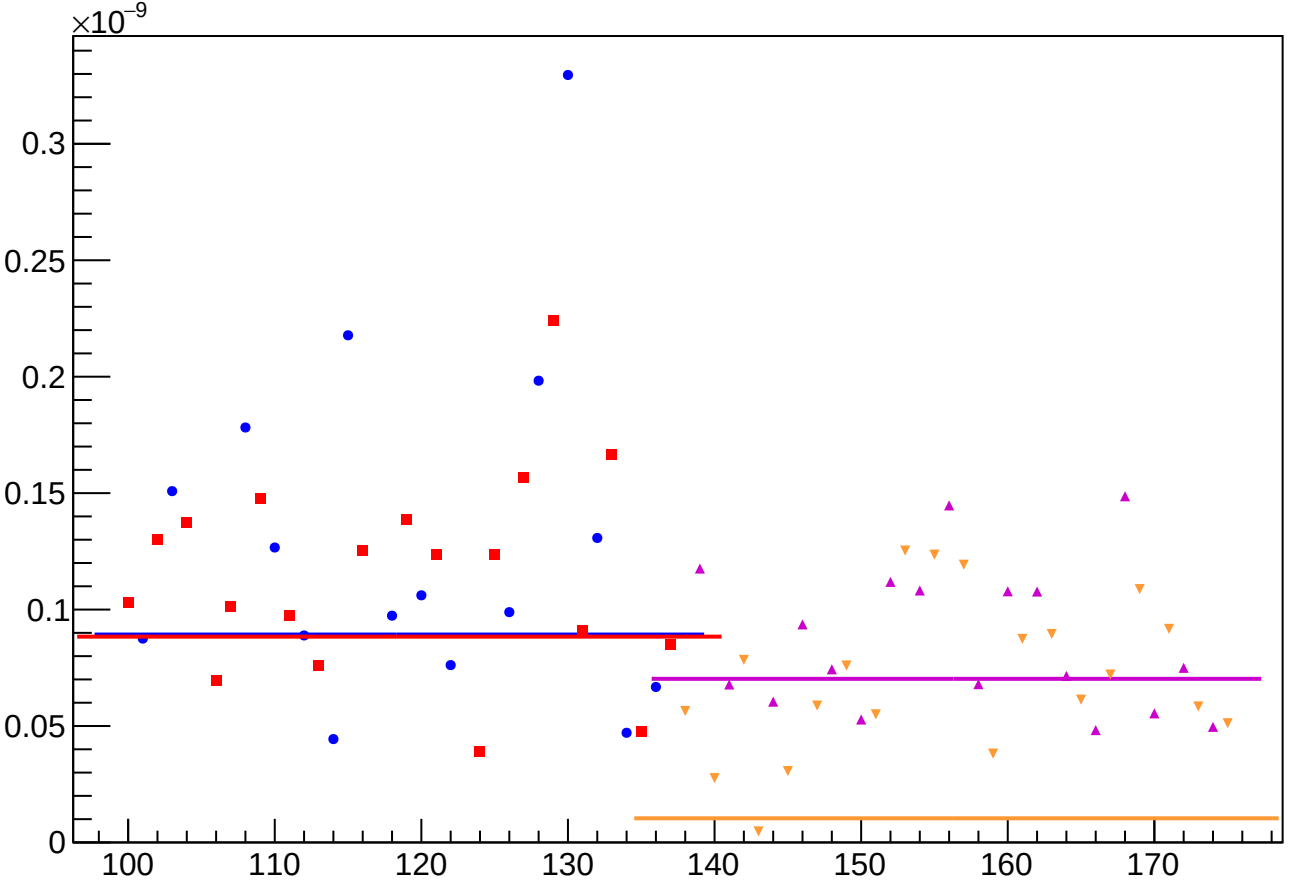
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 23.3/35

All: 0.000+/-0.000 χ^2/NDF: 67.3/72

- sign -0.000+/-0.000 χ^2/NDF: 43.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8769452.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

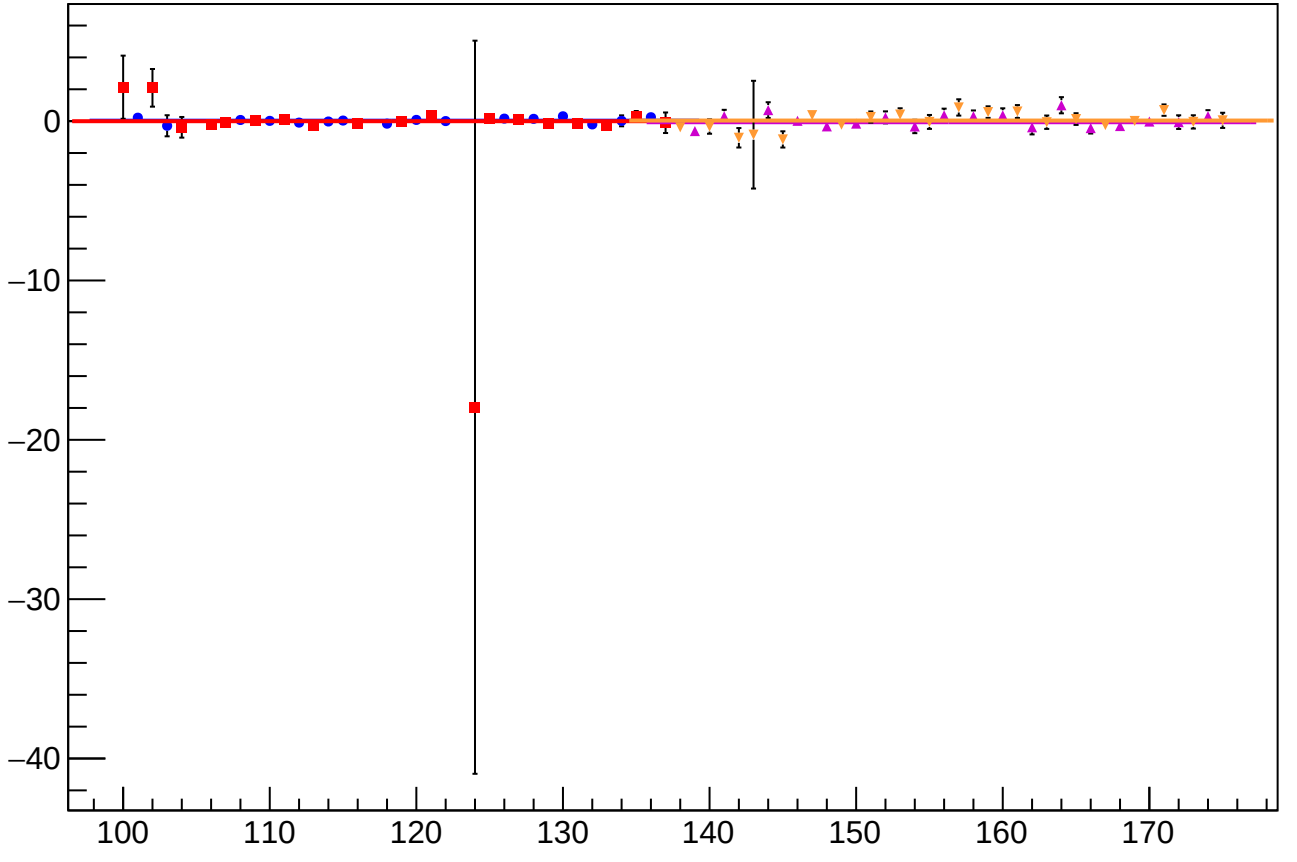
Left In: 0.000+/-0.000 χ^2/NDF:1219848.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 13536864.3/35

All: 0.000+/-0.000 χ^2/NDF: 25858472.2/72

- sign 0.000+/-0.000 χ^2/NDF: 2396151.7/36

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.038+/-0.078 χ^2/NDF:26.3/19

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

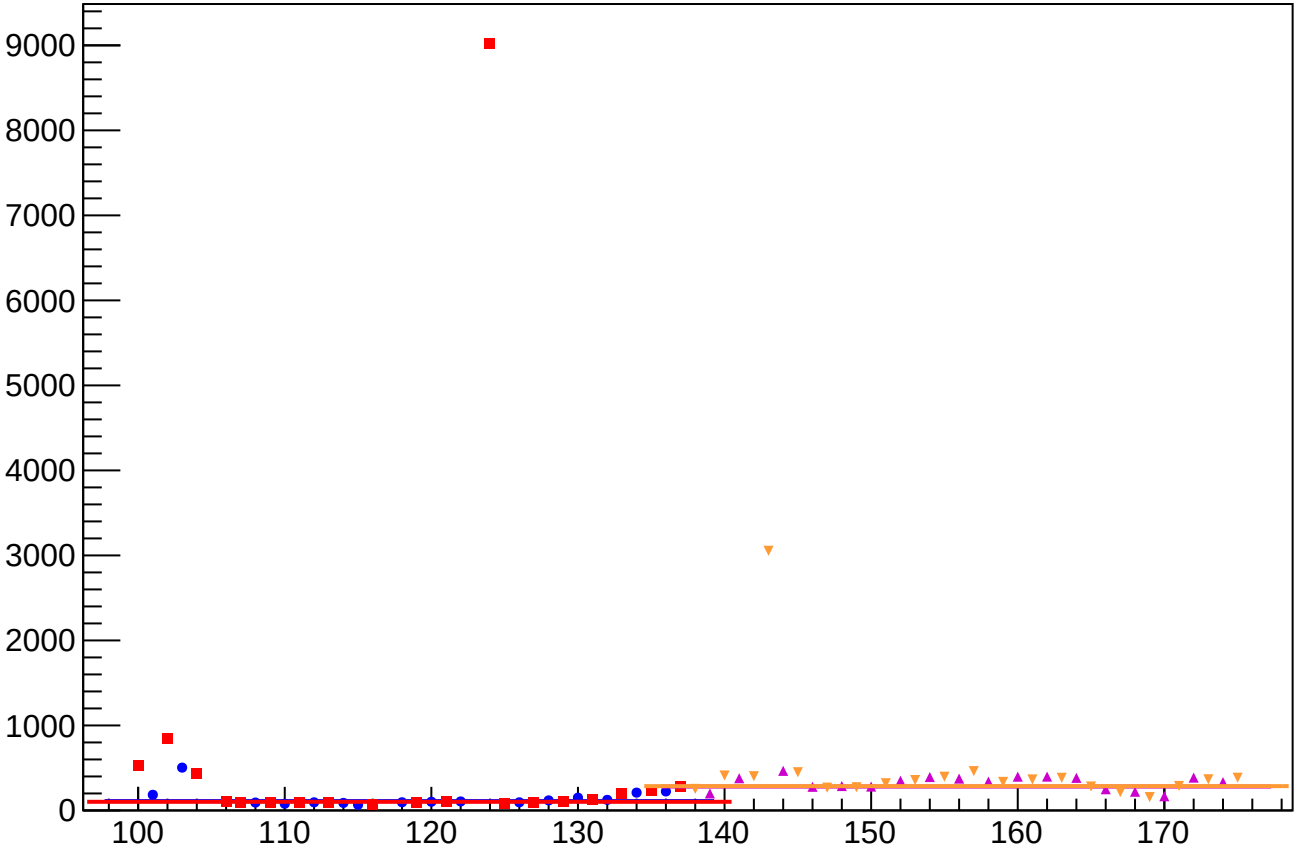
Left In: -0.068+/-0.077 χ^2/NDF:22.2/17

+ sign 0.030+/-0.039 χ^2/NDF: 35.2/35

All: 0.005+/-0.027 χ^2/NDF: 81.1/72

- sign -0.019+/-0.038 χ^2/NDF: 45.1/36

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 285.958+/-0.055 χ^2/NDF:3881924.1/19

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

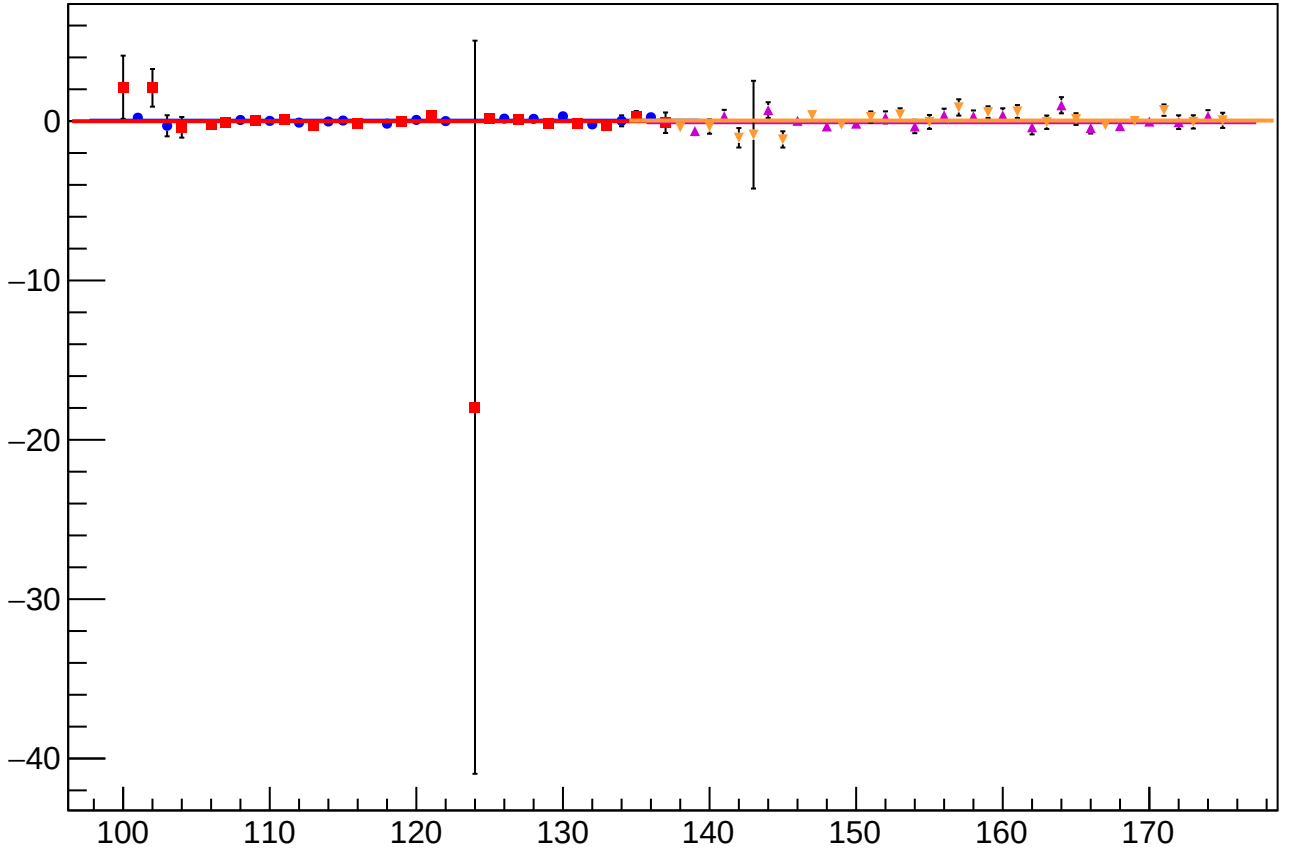
Left In: 281.178+/-0.055 χ^2/NDF:2395865.9/17

+ sign 154.130+/-0.028 χ^2/NDF: 13382708.0/35

All: 149.329+/-0.019 χ^2/NDF: 26627139.4/72

- sign 144.864+/-0.027 χ^2/NDF: 13186558.2/36

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: 0.038+/-0.078 χ^2/NDF:26.3/19

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

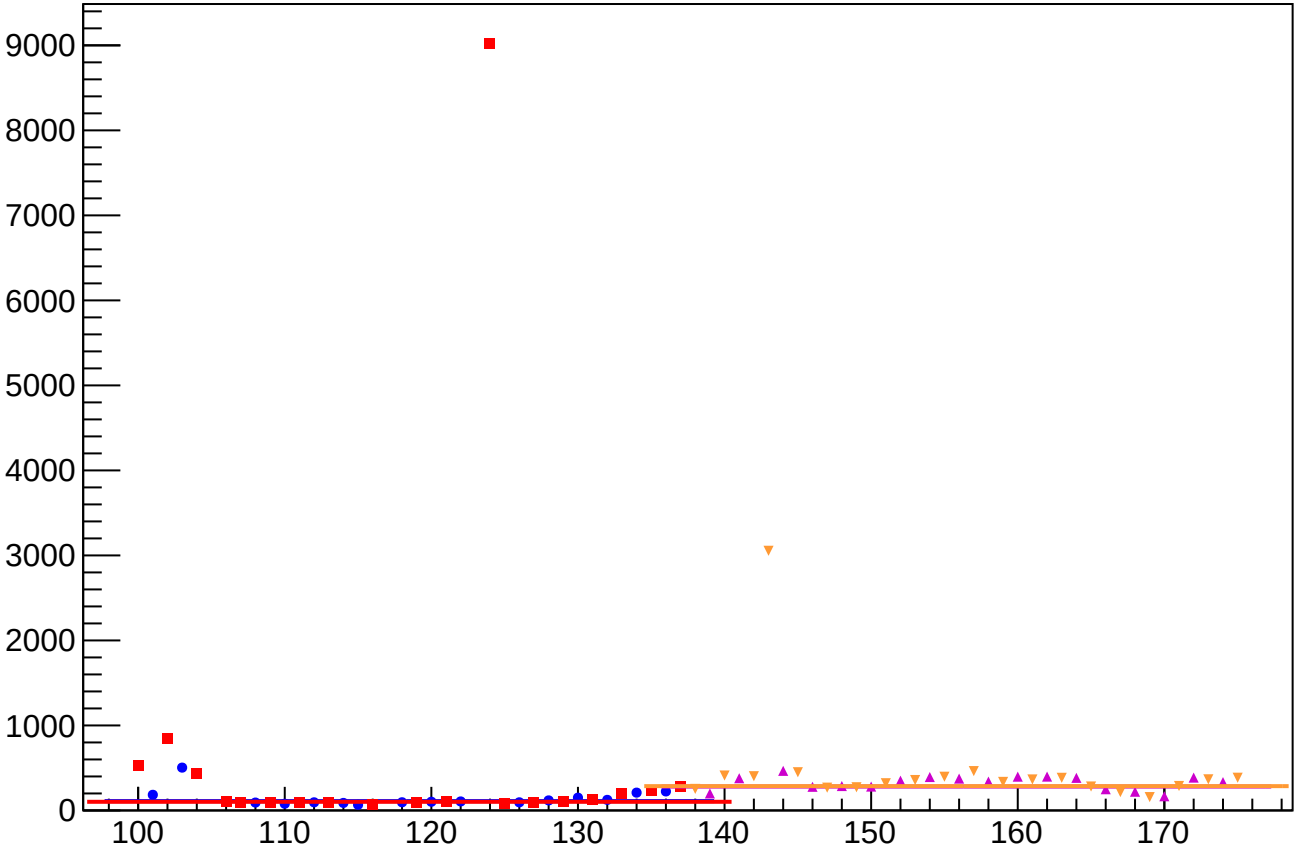
Left In: -0.068+/-0.077 χ^2/NDF:22.2/17

+ sign 0.030+/-0.039 χ^2/NDF: 35.2/35

All: 0.005+/-0.027 χ^2/NDF: 81.1/72

- sign -0.019+/-0.038 χ^2/NDF: 45.1/36

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 285.958+/-0.055 χ^2/NDF:3881924.1/19

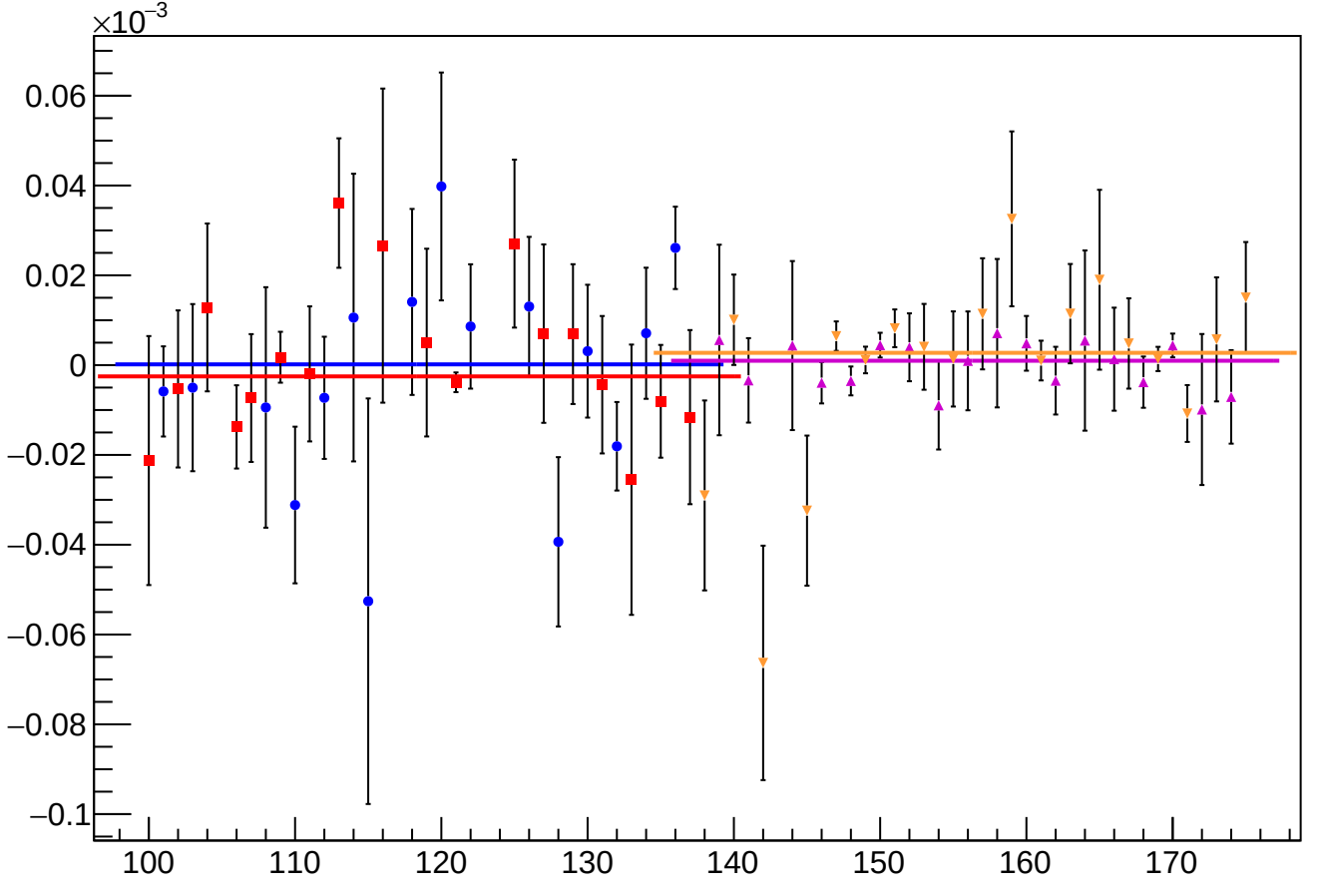
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 281.178+/-0.055 χ^2/NDF:2395865.9/17

+ sign 154.130+/-0.028 χ^2/NDF: 13382708.0/35

All: 149.329+/-0.019 χ^2/NDF: 26627139.4/72

- sign 144.864+/-0.027 χ^2/NDF: 13186558.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.7/18

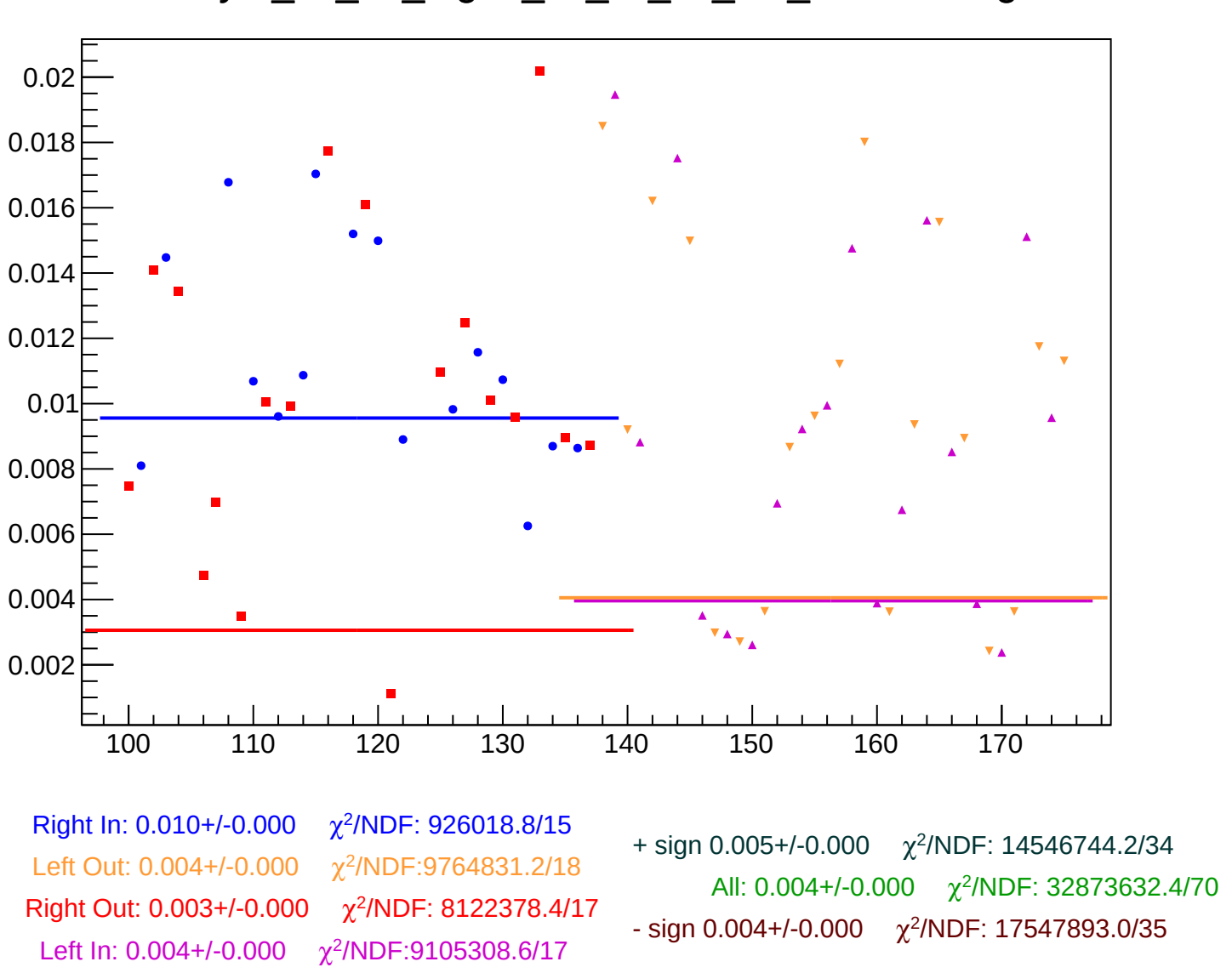
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

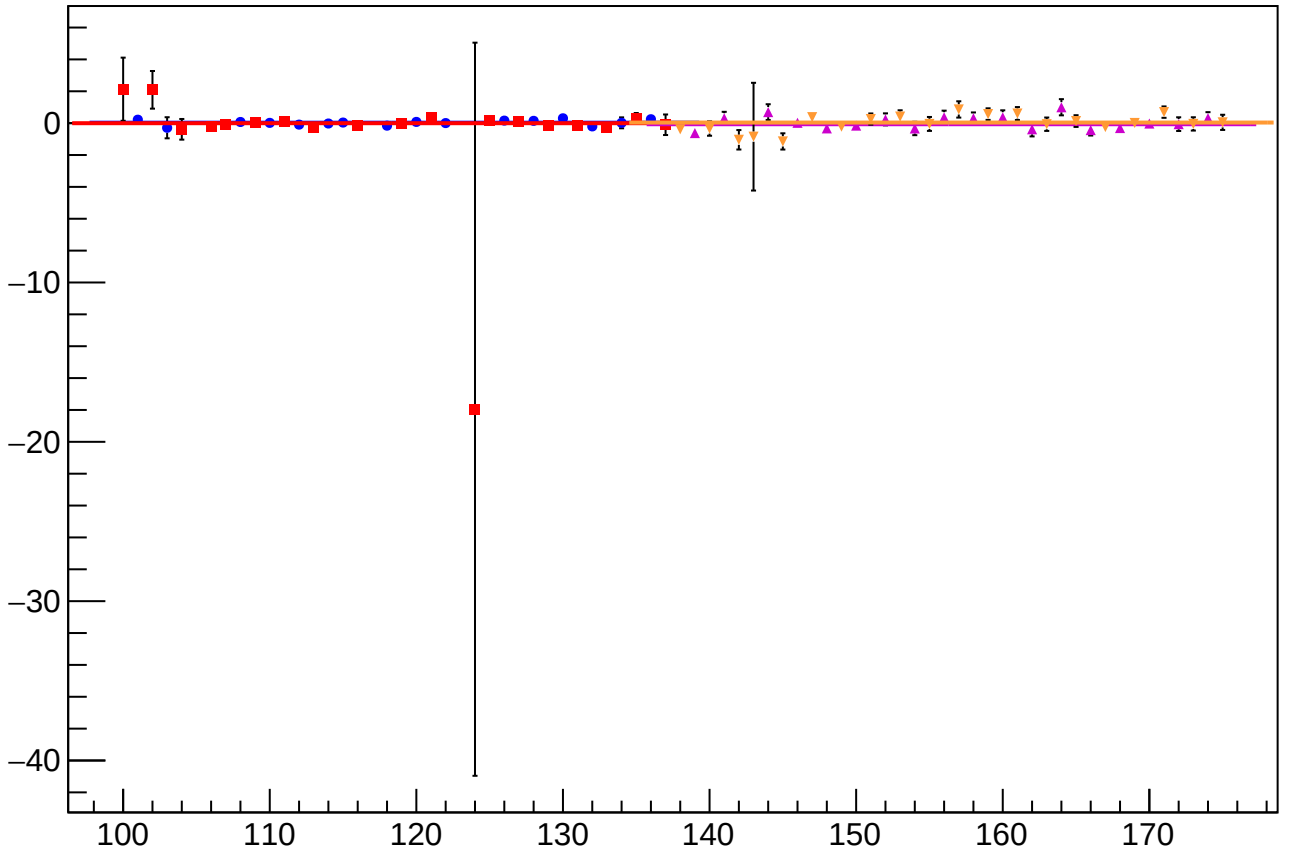
Left In: 0.000+/-0.000 χ^2/NDF:10.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 53.7/34

All: 0.000+/-0.000 χ^2/NDF: 84.9/70

- sign -0.000+/-0.000 χ^2/NDF: 28.6/35


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug
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: 0.010+/-0.000 χ²/NDF: 926018.8/15
Left Out: 0.004+/-0.000 χ²/NDF:9764831.2/18
Right Out: 0.003+/-0.000 χ²/NDF: 8122378.4/17
Left In: 0.004+/-0.000 χ²/NDF:9105308.6/17
+ sign 0.005+/-0.000 χ²/NDF: 14546744.2/34
All: 0.004+/-0.000 χ²/NDF: 32873632.4/70
- sign 0.004+/-0.000 χ²/NDF: 17547893.0/35



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.038+/-0.078 χ^2/NDF:26.3/19

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

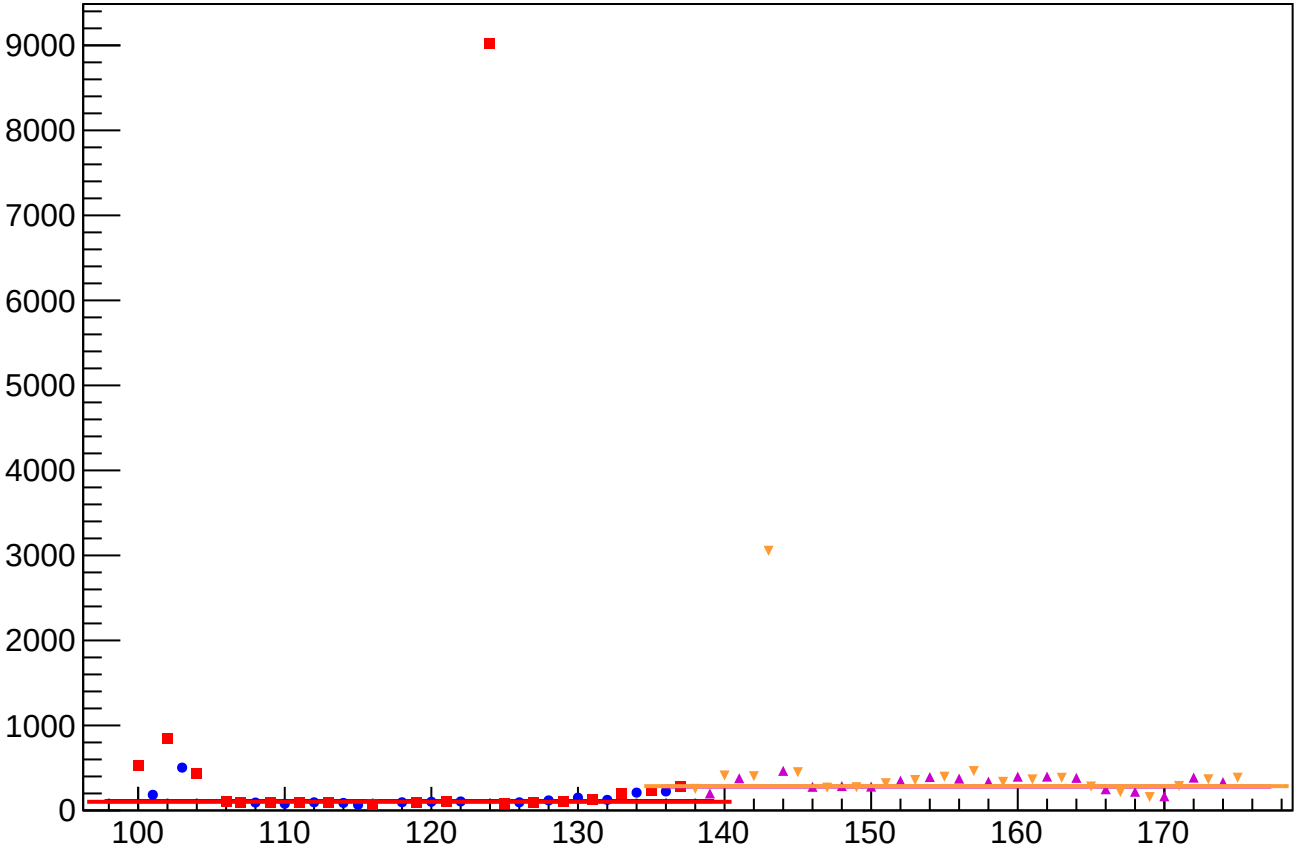
Left In: -0.068+/-0.077 χ^2/NDF:22.2/17

+ sign 0.030+/-0.039 χ^2/NDF: 35.2/35

All: 0.005+/-0.027 χ^2/NDF: 81.1/72

- sign -0.019+/-0.038 χ^2/NDF: 45.1/36

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 285.959+/-0.055 χ^2/NDF:3881965.6/19

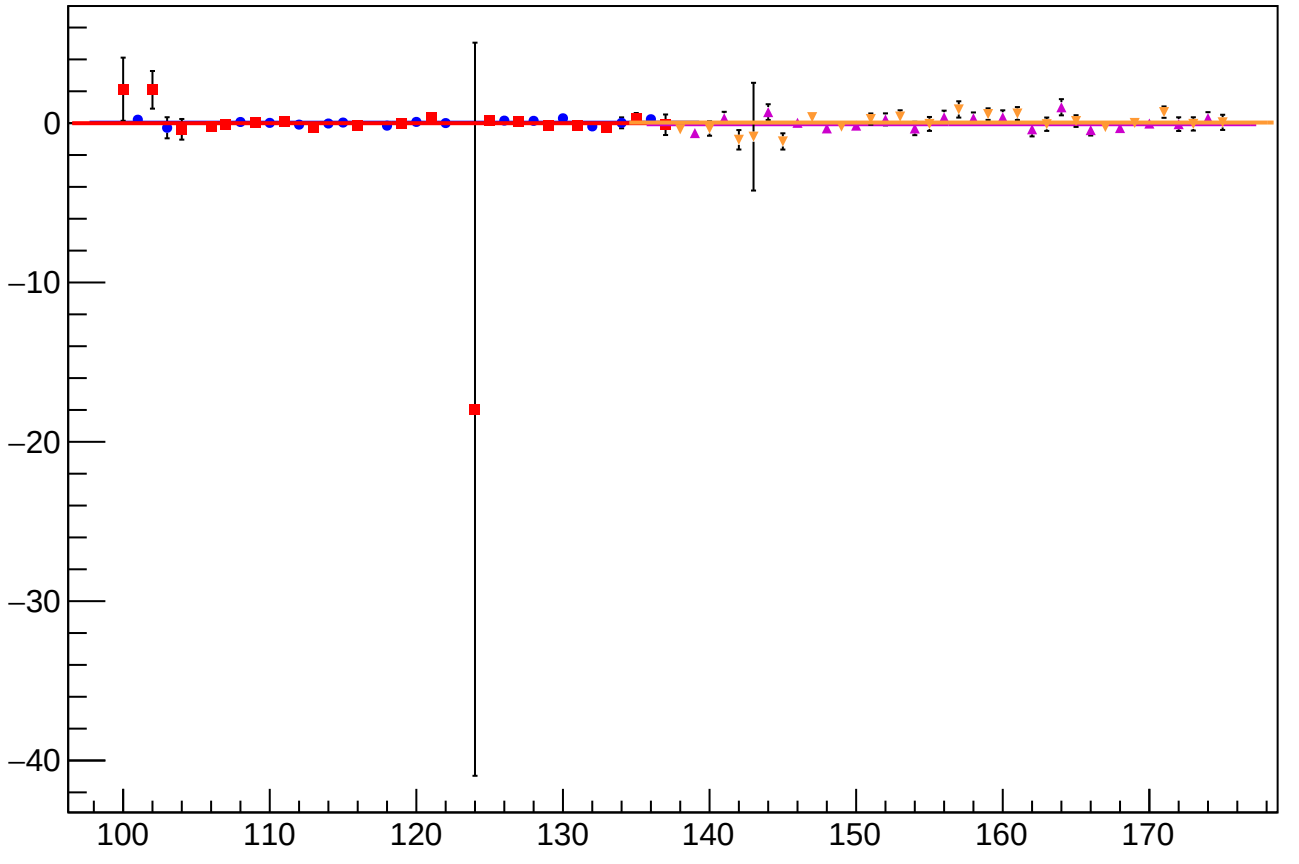
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 281.181+/-0.055 χ^2/NDF:2395817.8/17

+ sign 154.131+/-0.028 χ^2/NDF: 13382646.2/35

All: 149.331+/-0.019 χ^2/NDF: 26626941.8/72

- sign 144.866+/-0.027 χ^2/NDF: 13186429.9/36



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.038+/-0.078 χ^2/NDF:26.3/19

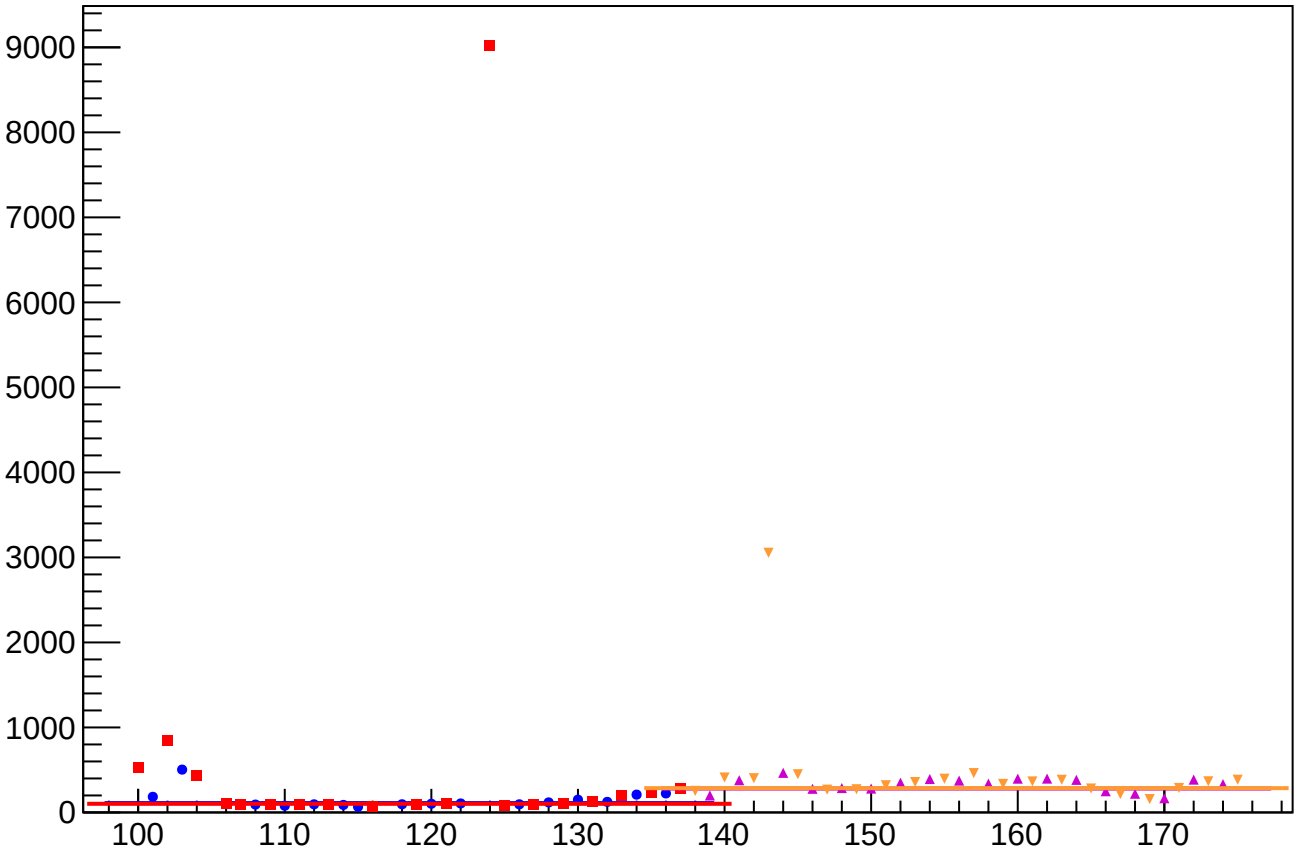
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.068+/-0.077 χ^2/NDF:22.2/17

+ sign 0.030+/-0.039 χ^2/NDF: 35.2/35

All: 0.005+/-0.027 χ^2/NDF: 81.1/72

- sign -0.019+/-0.038 χ^2/NDF: 45.1/36



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 285.959+/-0.055 χ^2/NDF:3881965.6/19

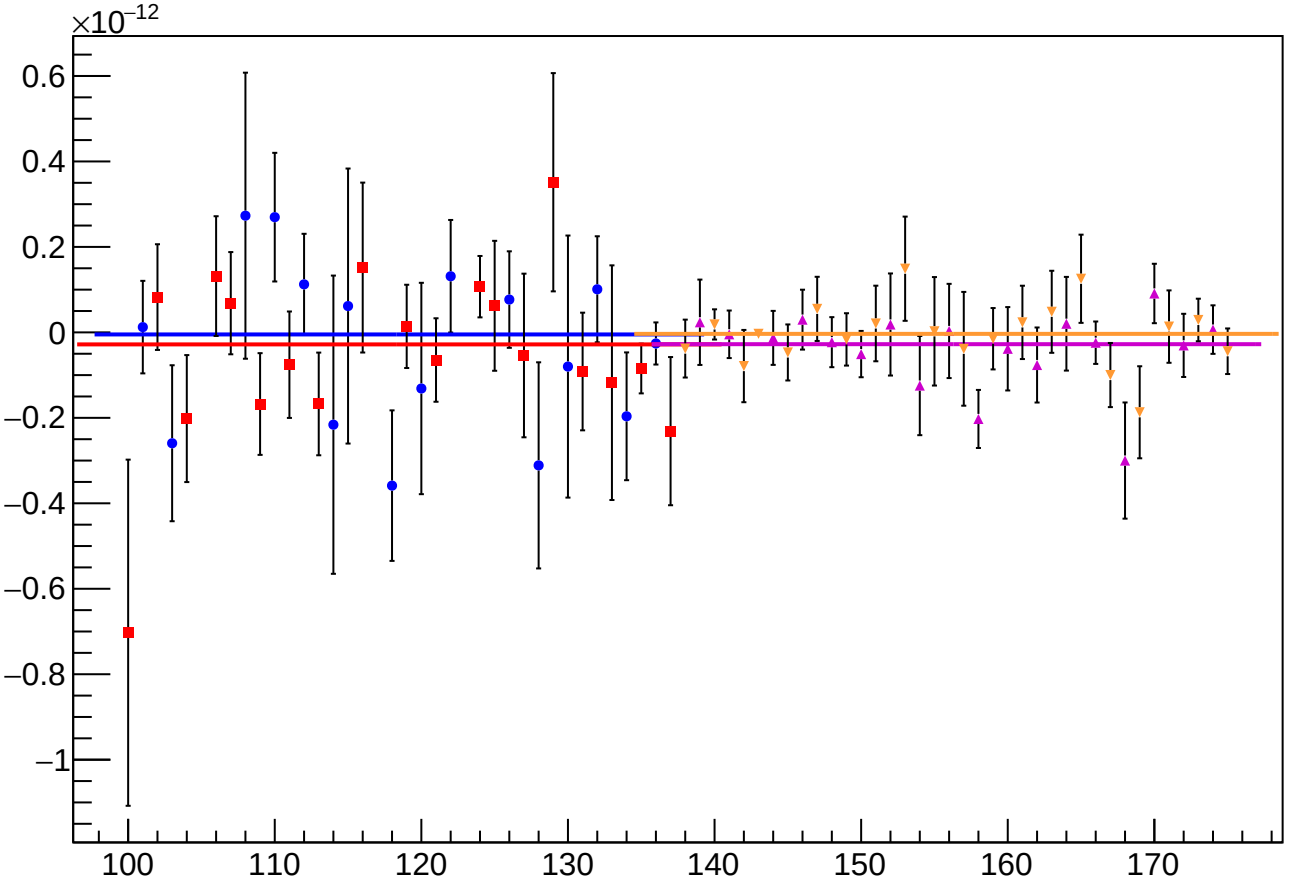
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 281.181+/-0.055 χ^2/NDF:2395817.8/17

+ sign 154.131+/-0.028 χ^2/NDF: 13382646.2/35

All: 149.331+/-0.019 χ^2/NDF: 26626941.8/72

- sign 144.866+/-0.027 χ^2/NDF: 13186429.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/19

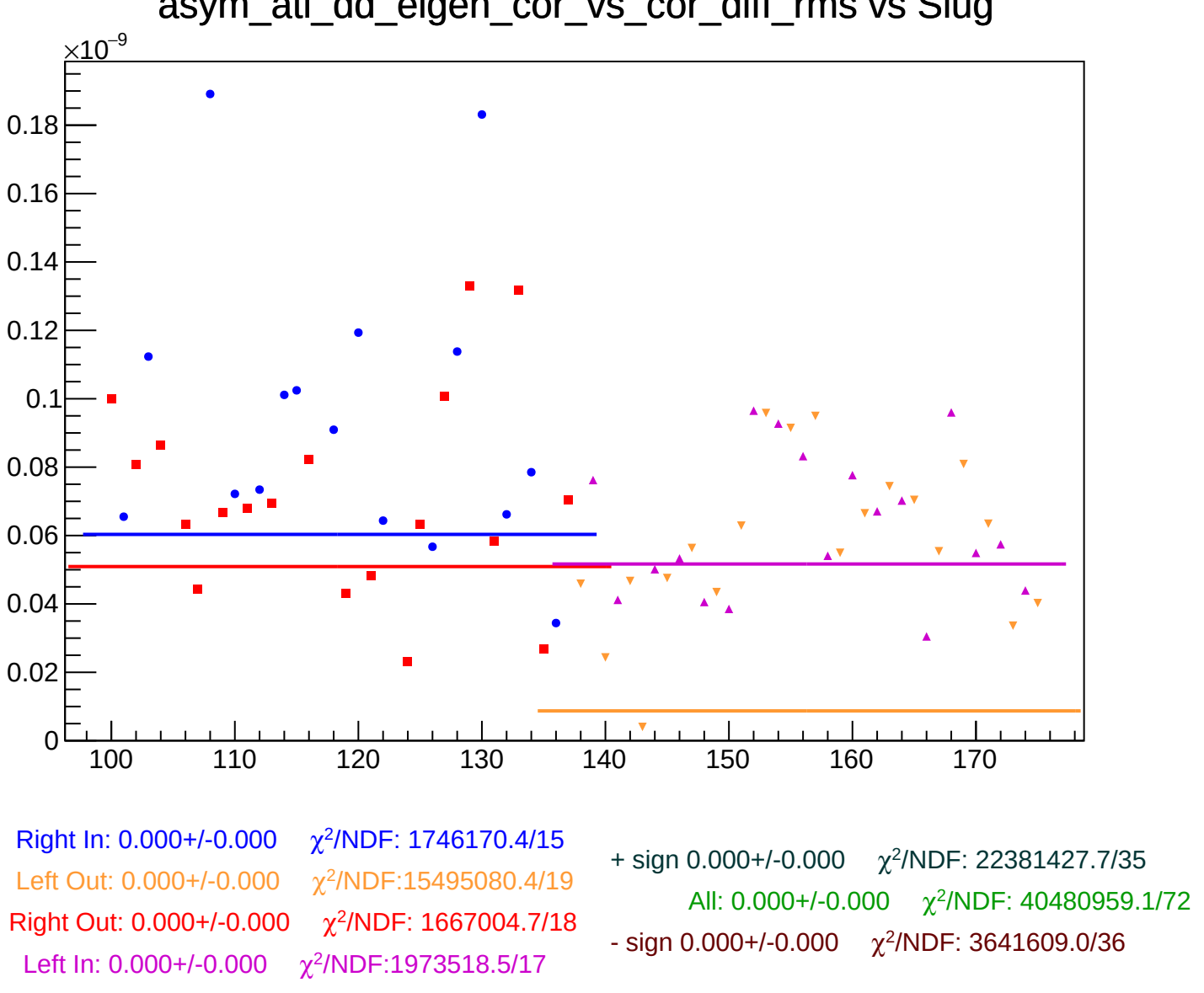
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.7/17

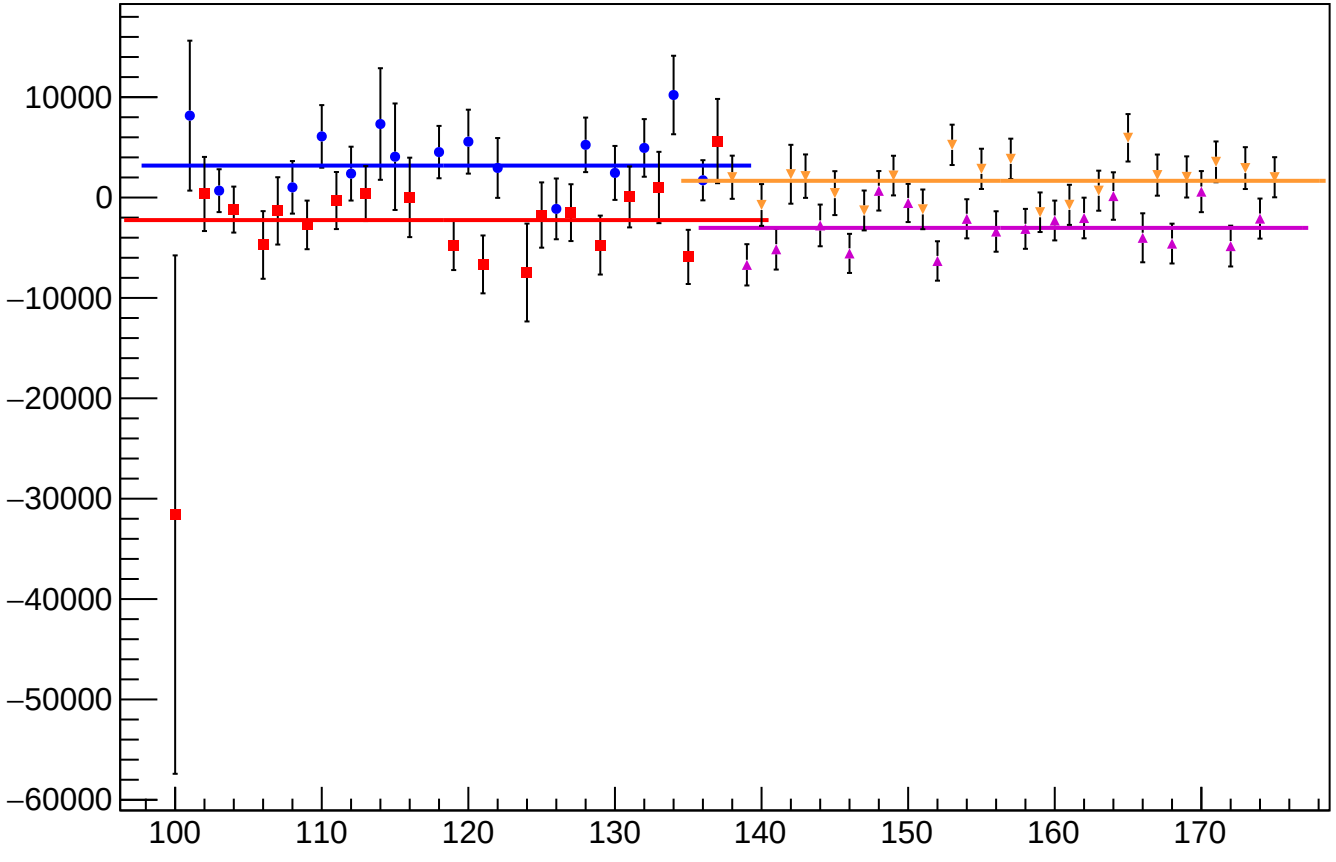
+ sign -0.000+/-0.000 χ^2/NDF: 29.3/35

All: -0.000+/-0.000 χ^2/NDF: 68.2/72

- sign -0.000+/-0.000 χ^2/NDF: 36.4/36


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1746170.4/15
Left Out: 0.000+/-0.000 χ²/NDF:15495080.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 1667004.7/18
Left In: 0.000+/-0.000 χ²/NDF:1973518.5/17
+ sign 0.000+/-0.000 χ²/NDF: 22381427.7/35
All: 0.000+/-0.000 χ²/NDF: 40480959.1/72
- sign 0.000+/-0.000 χ²/NDF: 3641609.0/36

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1666.826+/-464.633 χ^2/NDF:19.7/19

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

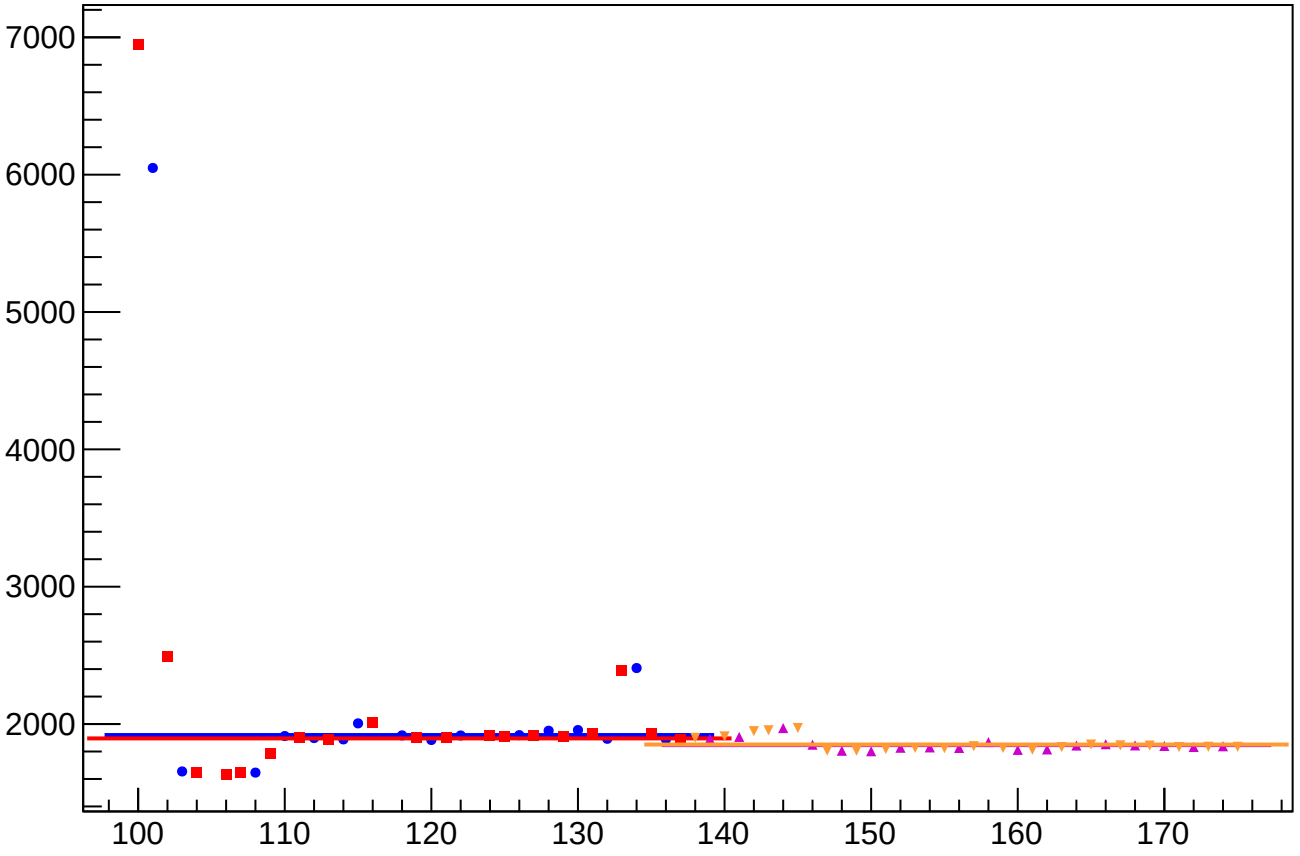
Left In: -3023.491+/-478.779 χ^2/NDF:21.4/17

+ sign 2103.197+/-392.147 χ^2/NDF: 34.5/35

All: -308.102+/-279.030 χ^2/NDF: 149.8/72

- sign -2780.903+/-397.117 χ^2/NDF: 38.7/36

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1850.741+/-0.329 χ^2/NDF:20476.5/19

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

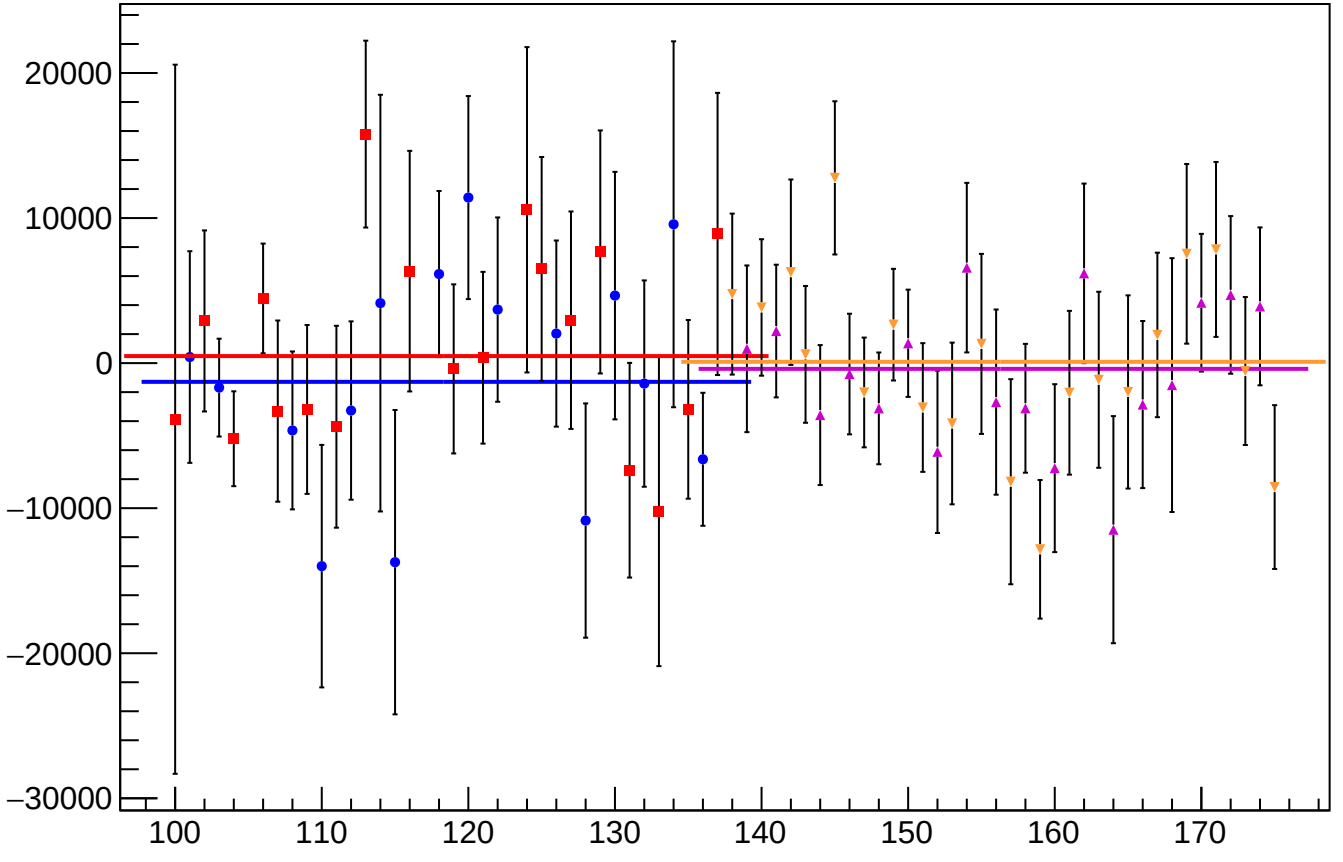
Left In: 1846.593+/-0.339 χ^2/NDF:13894.8/17

+ sign 1870.616+/-0.277 χ^2/NDF: 730528.1/35

All: 1866.300+/-0.197 χ^2/NDF: 973692.9/72

- sign 1861.883+/-0.280 χ^2/NDF: 242674.6/36

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 91.065+/-1171.398 χ^2/NDF:24.5/19

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

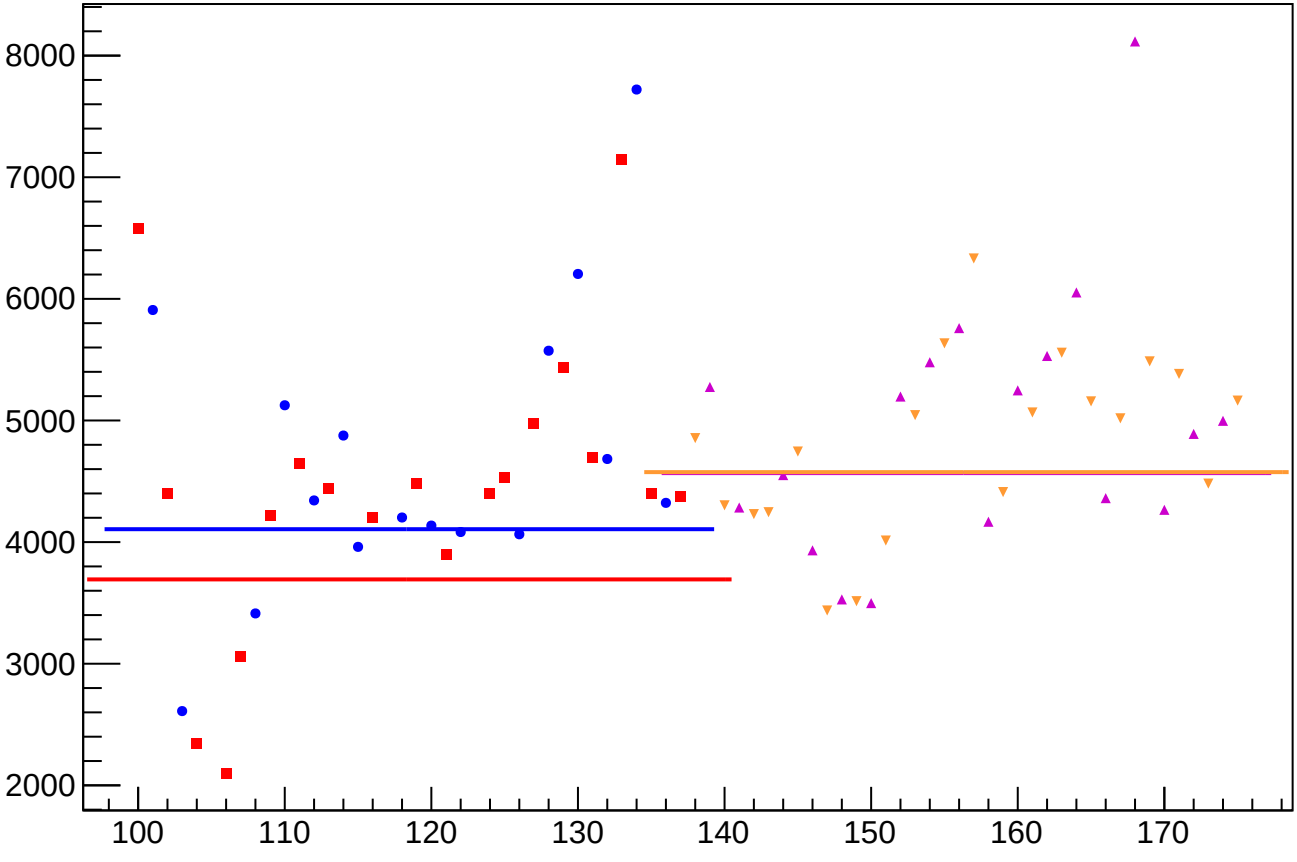
Left In: -395.036+/-1209.696 χ^2/NDF:11.7/17

+ sign -396.803+/-942.136 χ^2/NDF: 39.2/35

All: -210.194+/-660.254 χ^2/NDF: 68.4/72

- sign -30.094+/-925.564 χ^2/NDF: 29.2/36

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4575.394+/-0.828 χ^2/NDF:789212.5/19

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

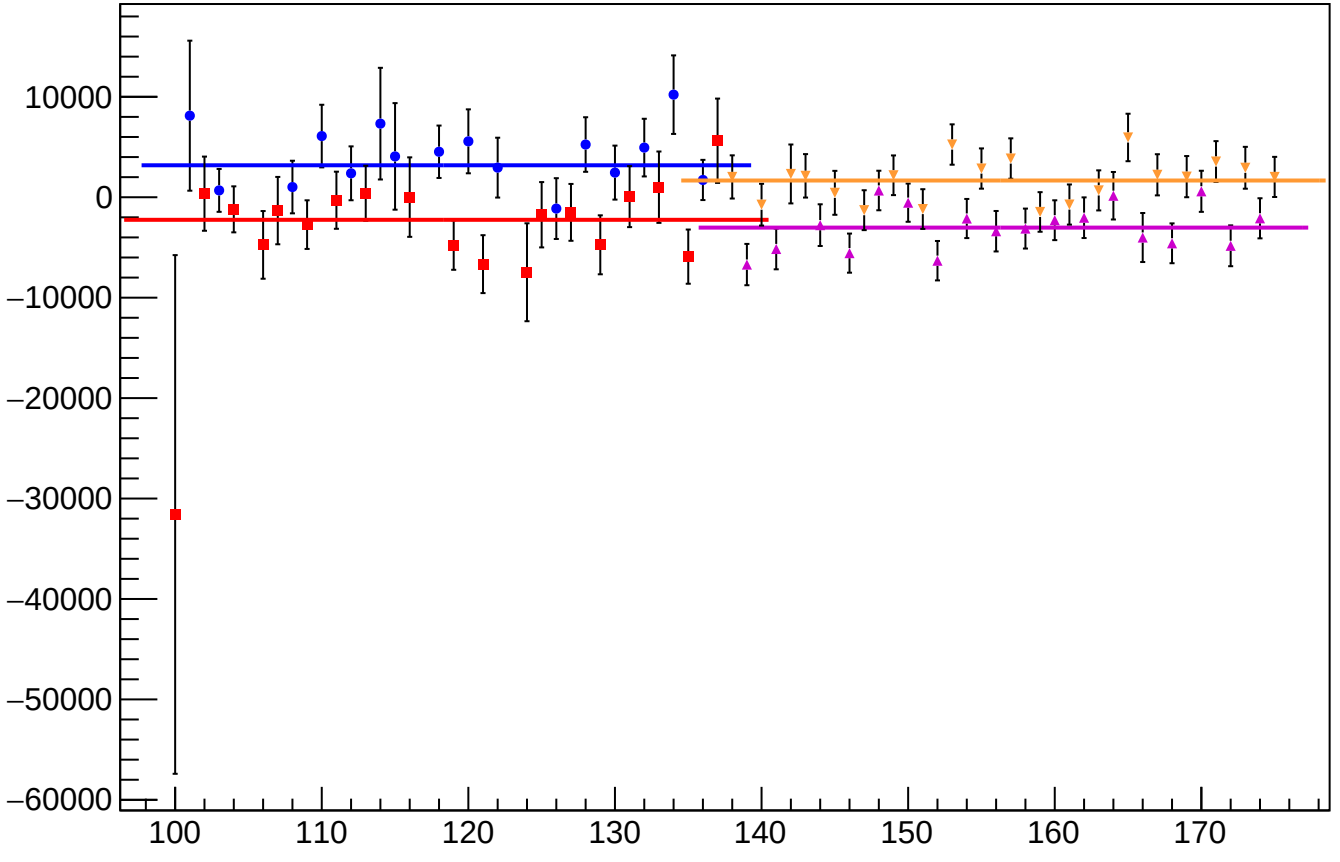
Left In: 4567.309+/-0.855 χ^2/NDF:1064413.5/17

+ sign 4409.688+/-0.666 χ^2/NDF: 1858678.4/35

All: 4305.497+/-0.467 χ^2/NDF: 4760676.1/72

- sign 4204.940+/-0.654 χ^2/NDF: 2853930.5/36

cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1666.741+/-464.633 χ^2/NDF:19.7/19

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

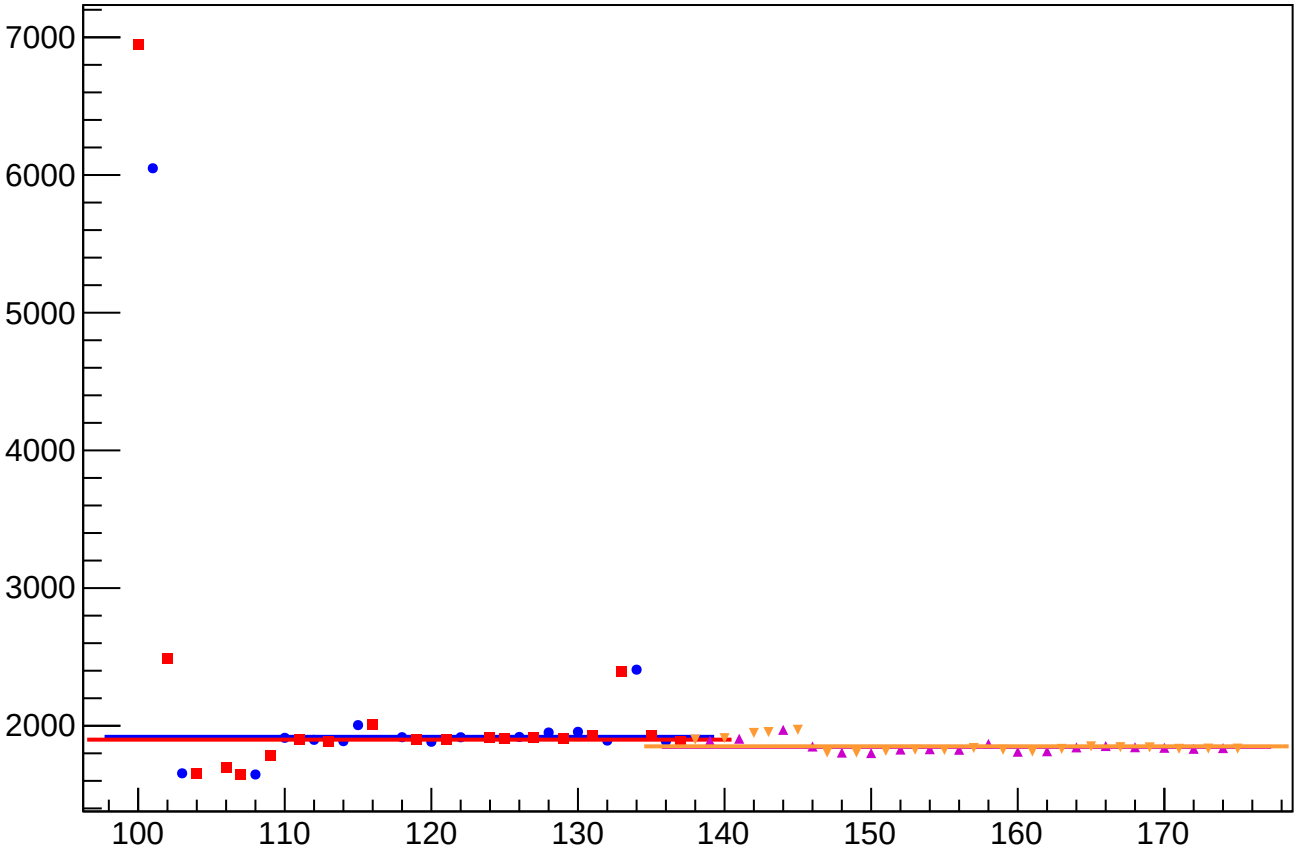
Left In: -3023.458+/-478.779 χ^2/NDF:21.4/17

+ sign 2102.926+/-392.147 χ^2/NDF: 34.5/35

All: -308.400+/-279.031 χ^2/NDF: 149.8/72

- sign -2781.238+/-397.117 χ^2/NDF: 38.7/36

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1850.741+/-0.329 χ^2/NDF:20476.5/19

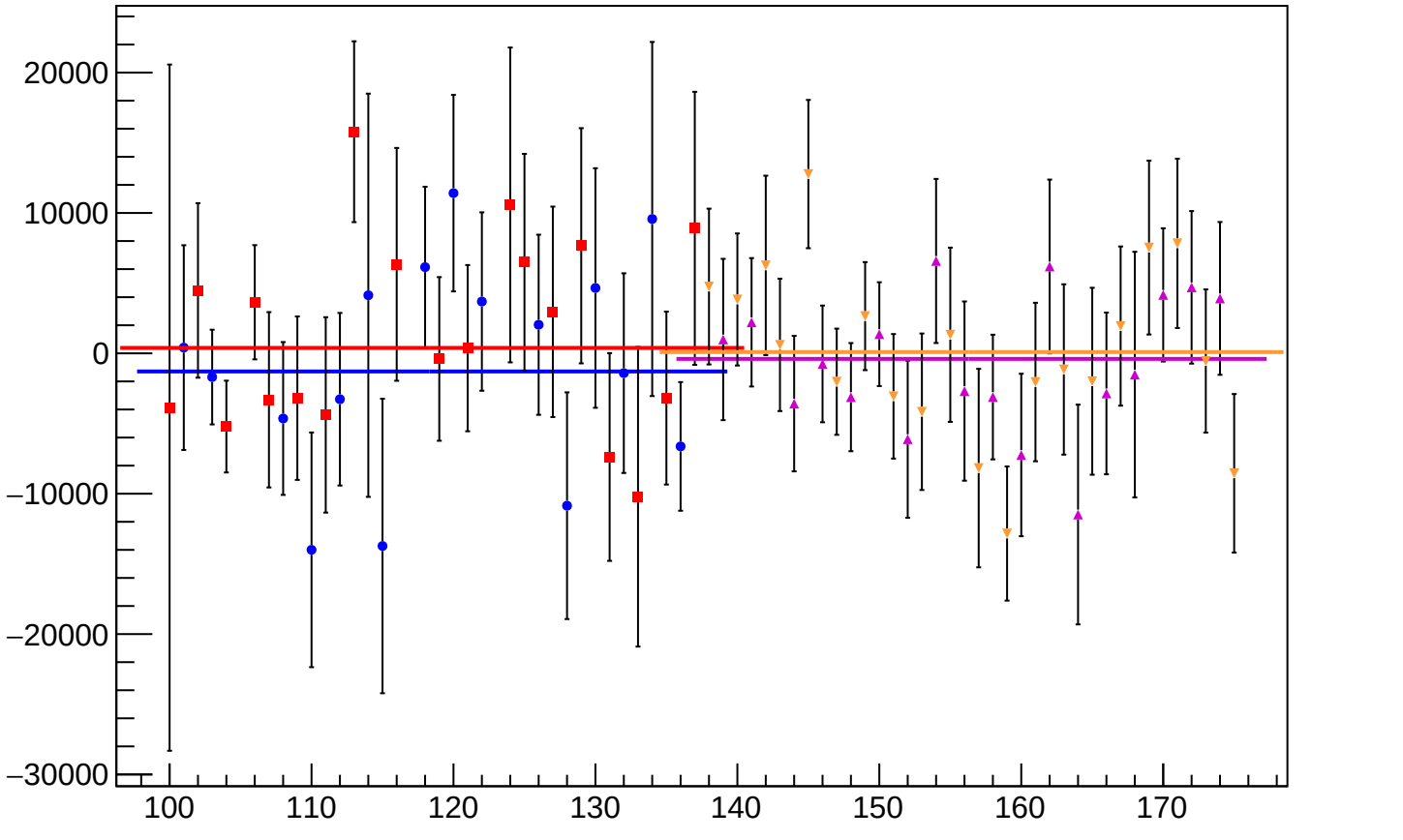
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.593+/-0.339 χ^2/NDF:13894.8/17

\+ sign 1870.616+/-0.277 χ^2/NDF: 730527.4/35

All: 1866.901+/-0.197 χ^2/NDF: 968037.5/72

\- sign 1863.095+/-0.281 χ^2/NDF: 237146.7/36



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 91.027+/-1171.396 χ^2/NDF:24.5/19

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

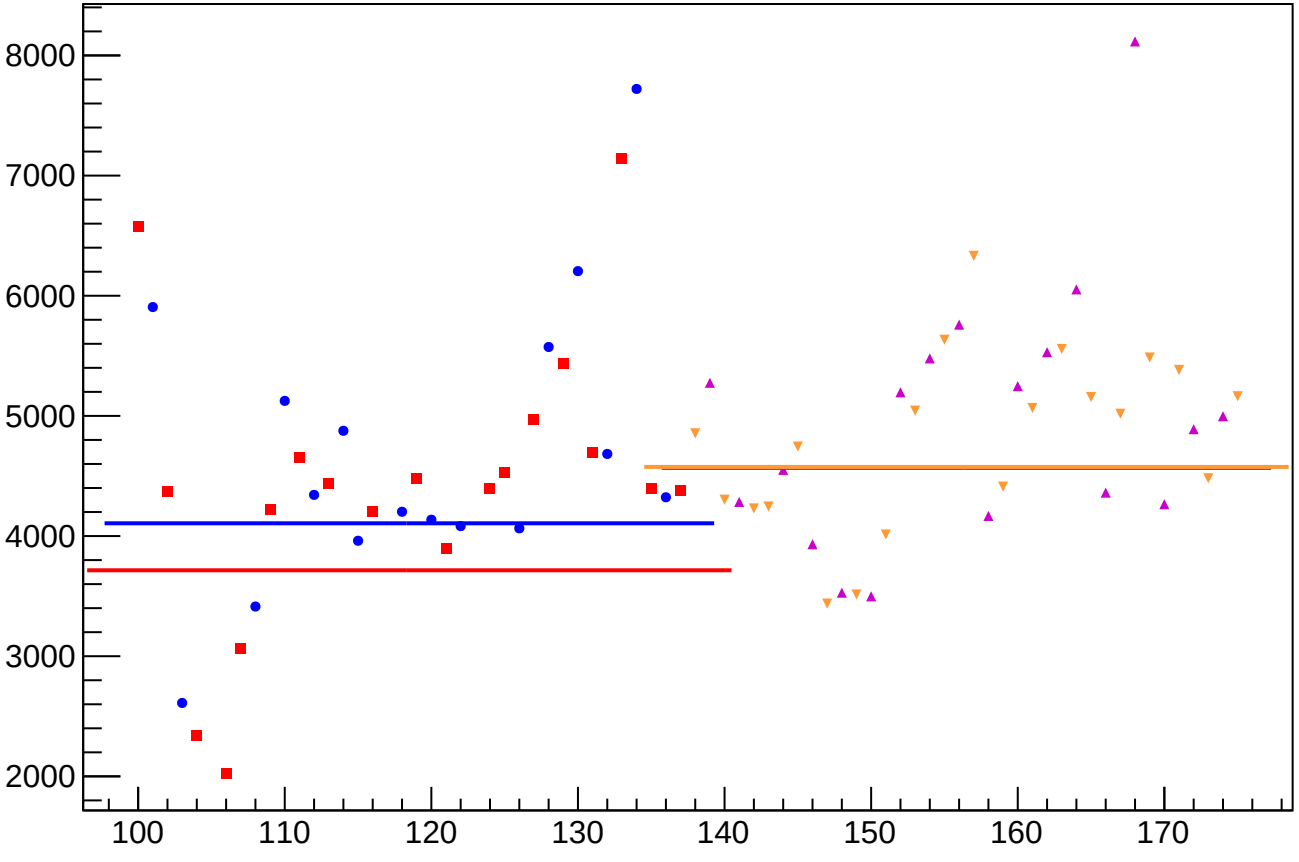
Left In: -395.053+/-1209.697 χ^2/NDF:11.7/17

+ sign -396.954+/-942.136 χ^2/NDF: 39.2/35

All: -233.389+/-661.601 χ^2/NDF: 68.1/72

- sign -74.255+/-929.287 χ^2/NDF: 28.9/36

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4575.383+/-0.828 χ^2/NDF:789230.2/19

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

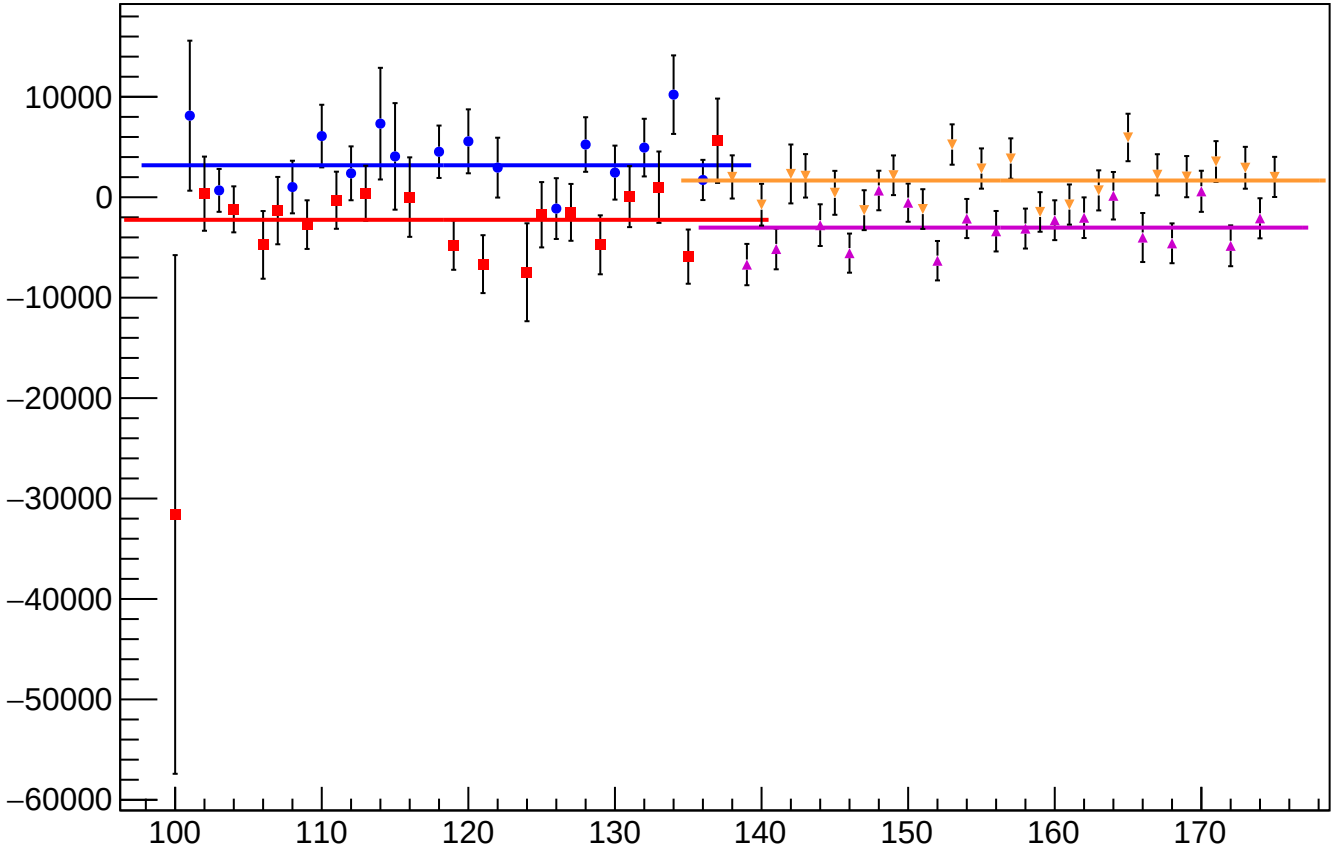
Left In: 4567.312+/-0.855 χ^2/NDF:1064410.3/17

+ sign 4409.714+/-0.666 χ^2/NDF: 1858146.8/35

All: 4312.570+/-0.468 χ^2/NDF: 4706348.3/72

- sign 4218.057+/-0.657 χ^2/NDF: 2806250.1/36

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1666.741+/-464.633 χ^2/NDF:19.7/19

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

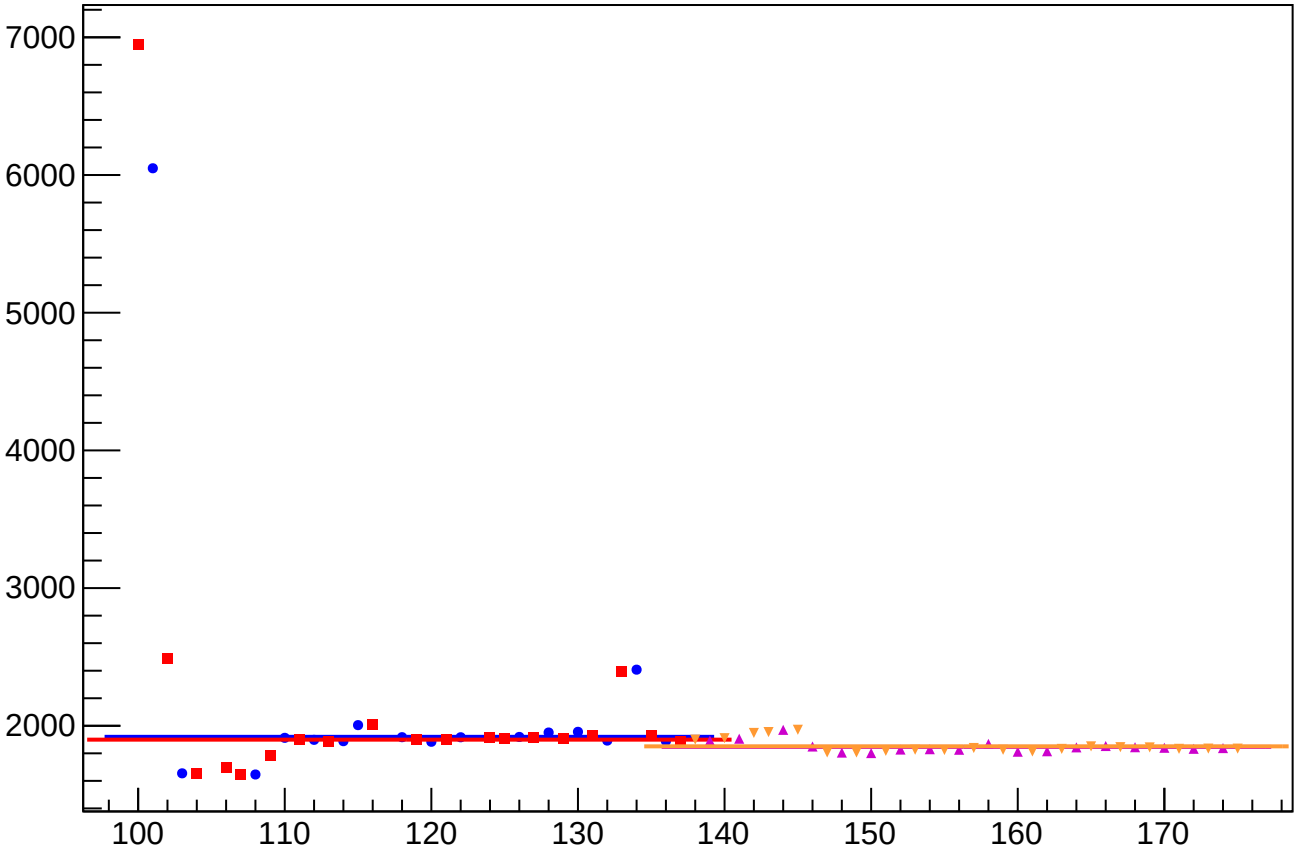
Left In: -3023.458+/-478.779 χ^2/NDF:21.4/17

+ sign 2102.926+/-392.147 χ^2/NDF: 34.5/35

All: -308.400+/-279.031 χ^2/NDF: 149.8/72

- sign -2781.238+/-397.117 χ^2/NDF: 38.7/36

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1850.741+/-0.329 χ^2/NDF:20476.5/19

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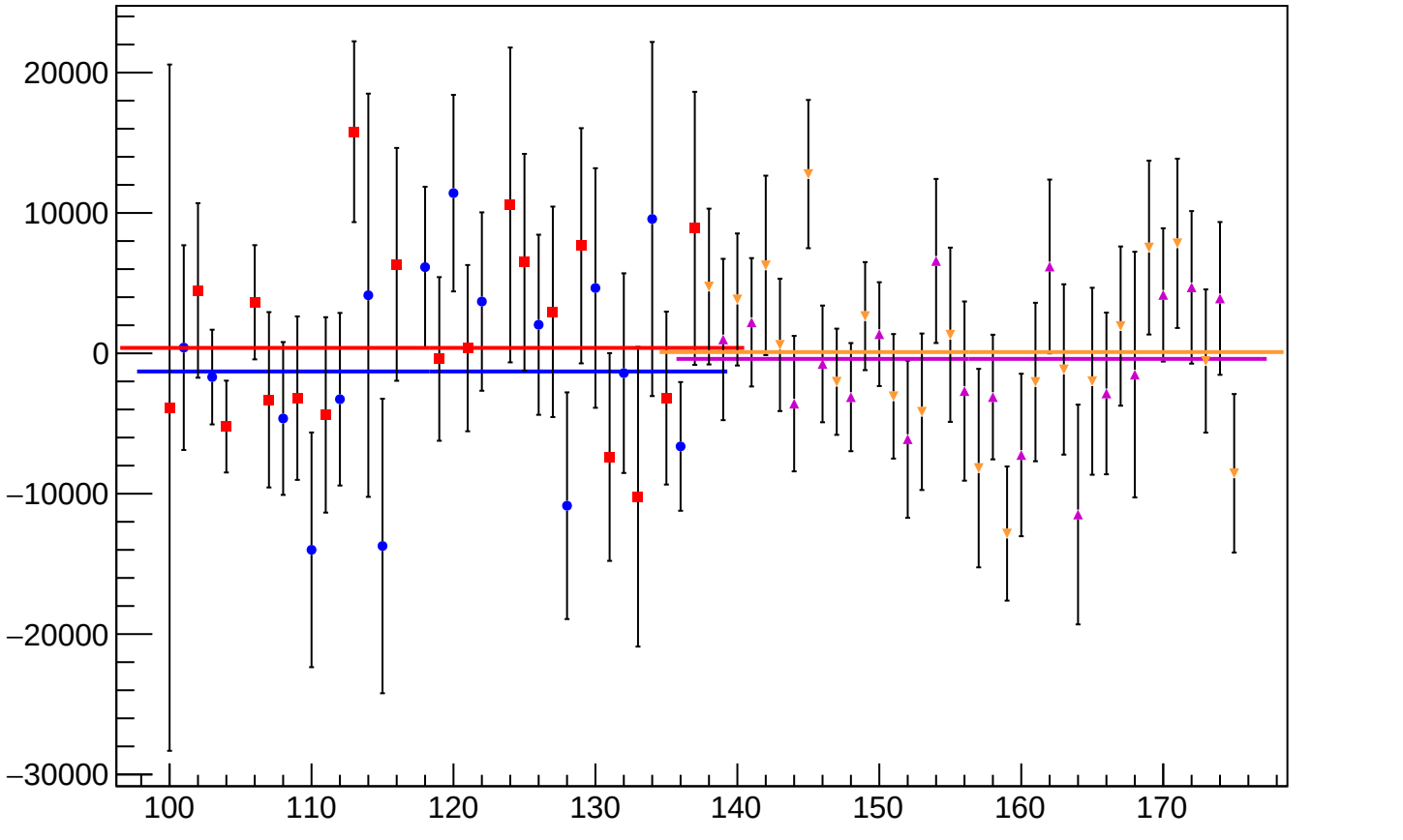
Left In: 1846.593+/-0.339 χ^2/NDF:13894.8/17

+ sign 1870.616+/-0.277 χ^2/NDF: 730527.4/35

All: 1866.901+/-0.197 χ^2/NDF: 968037.5/72

- sign 1863.095+/-0.281 χ^2/NDF: 237146.7/36



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 91.027+/-1171.396 χ^2/NDF:24.5/19

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

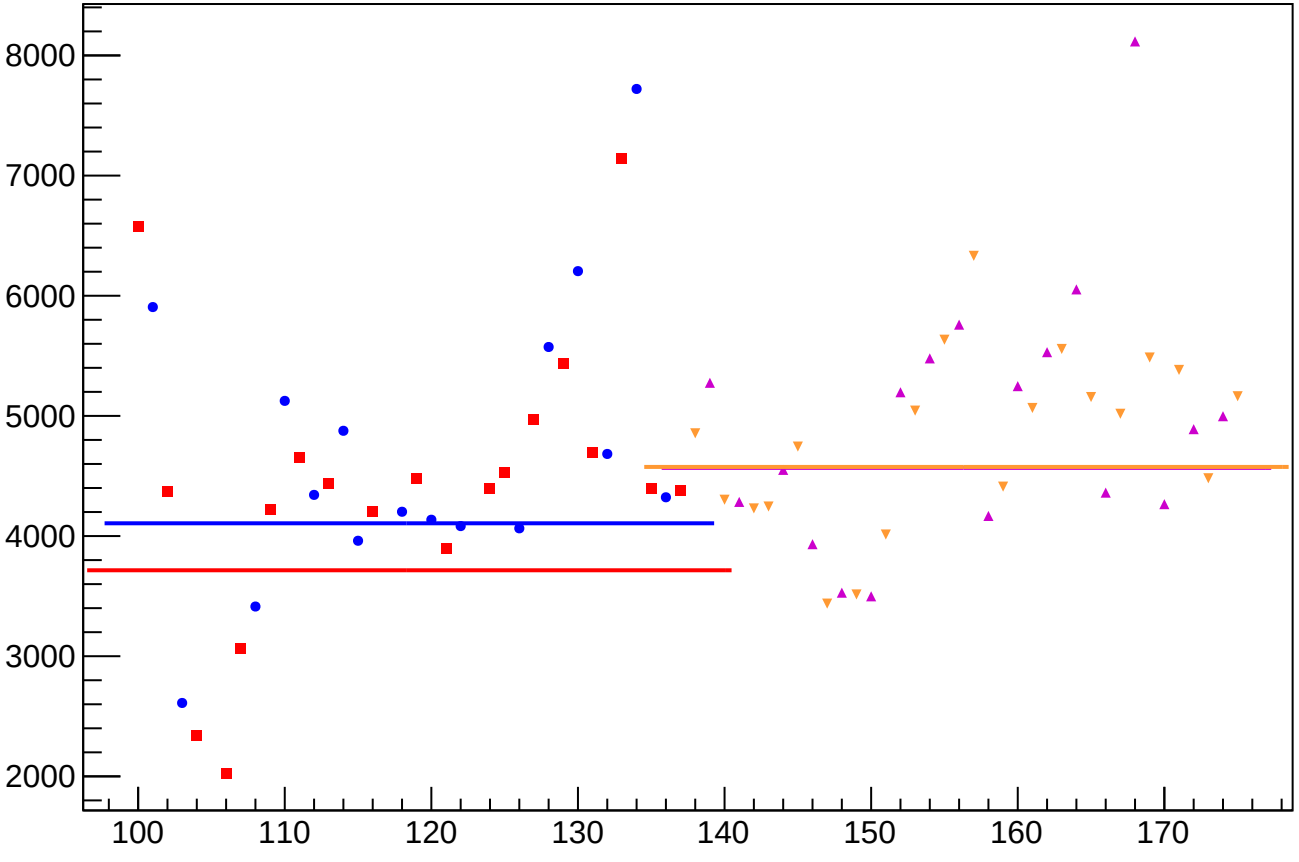
Left In: -395.053+/-1209.697 χ^2/NDF:11.7/17

+ sign -396.954+/-942.136 χ^2/NDF: 39.2/35

All: -233.389+/-661.601 χ^2/NDF: 68.1/72

- sign -74.255+/-929.287 χ^2/NDF: 28.9/36

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4575.383+/-0.828 χ^2/NDF:789230.2/19

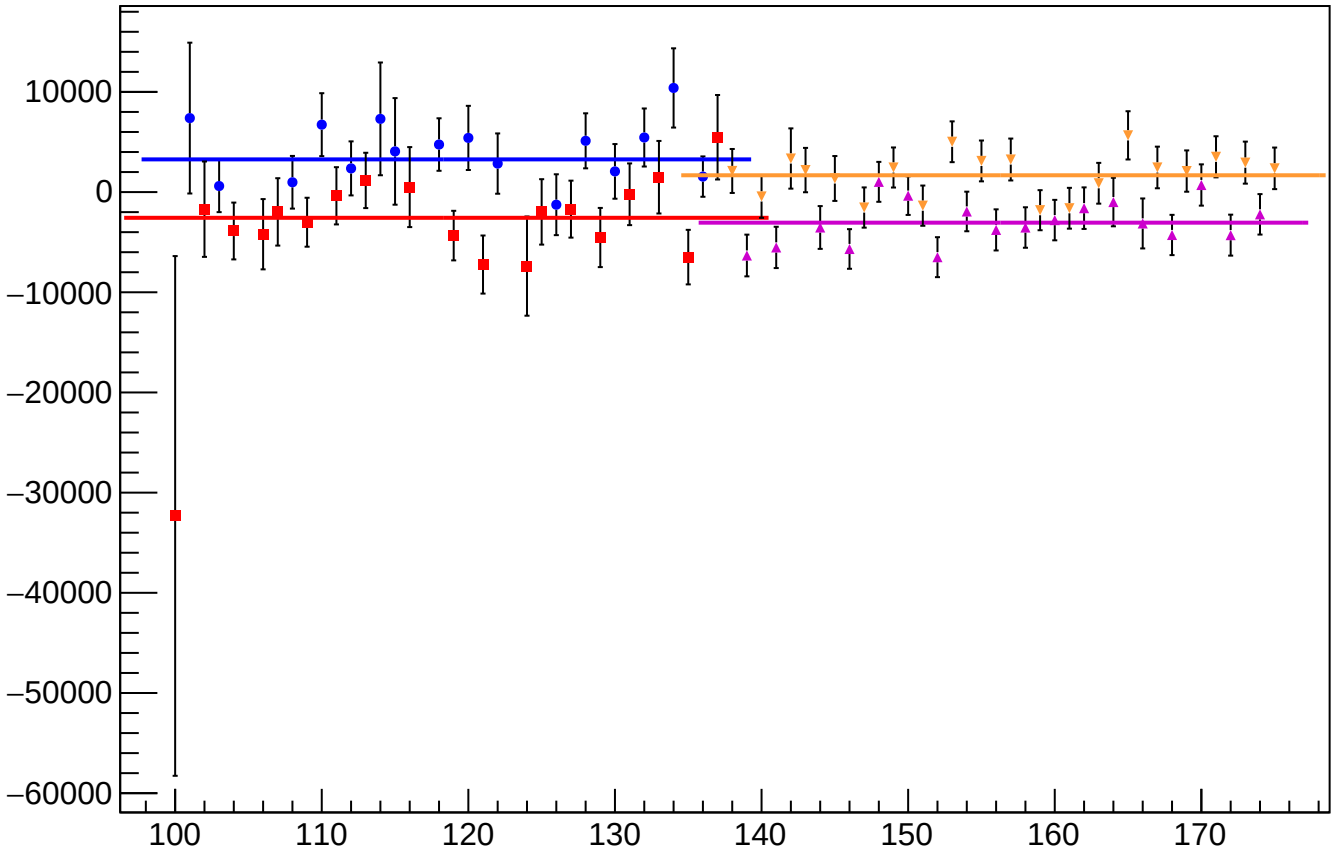
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4567.312+/-0.855 χ^2/NDF:1064410.3/17

+ sign 4409.714+/-0.666 χ^2/NDF: 1858146.8/35

All: 4312.570+/-0.468 χ^2/NDF: 4706348.3/72

- sign 4218.057+/-0.657 χ^2/NDF: 2806250.1/36



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1679.076+/-473.198 χ^2/NDF:20.2/19

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

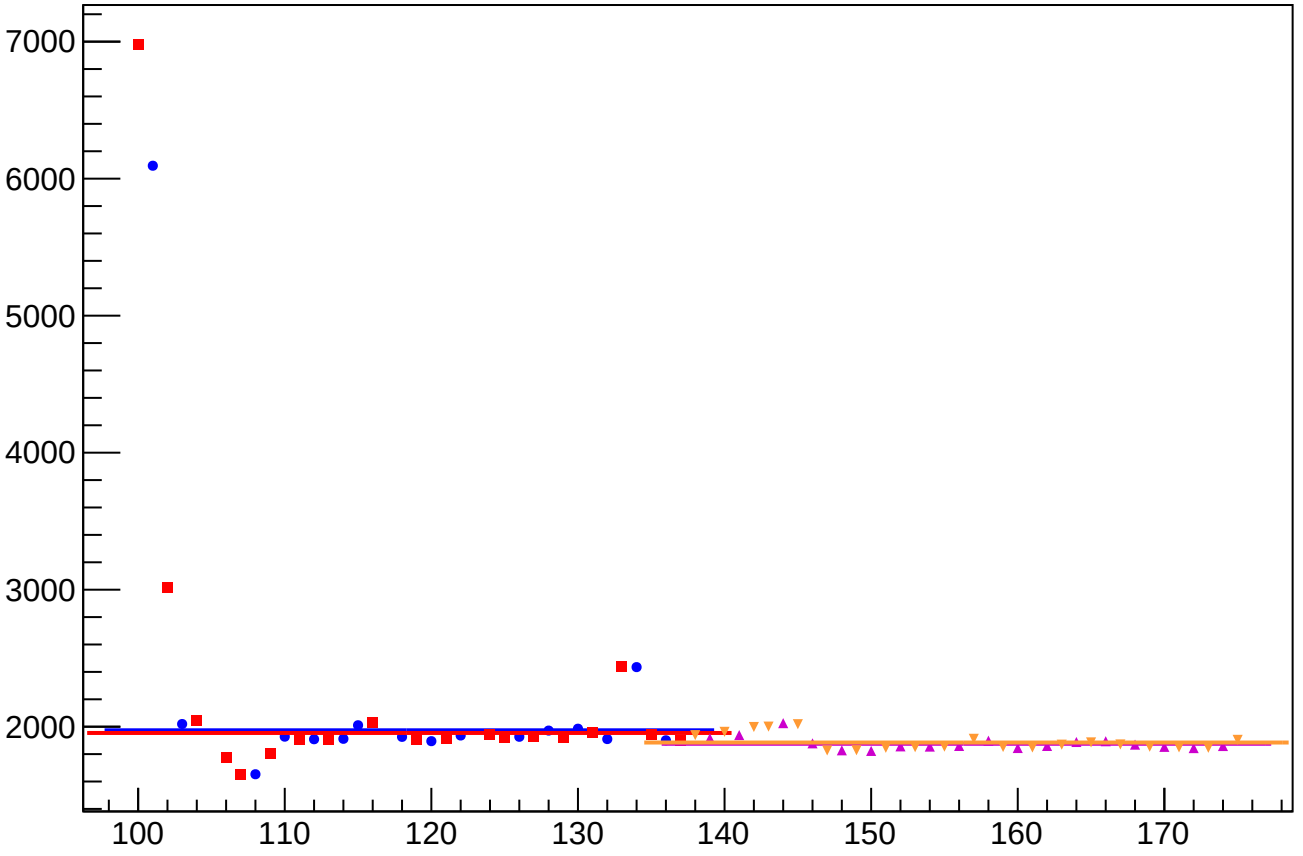
Left In: -3052.878+/-486.274 χ^2/NDF:20.8/17

+ sign 2129.790+/-400.332 χ^2/NDF: 35.5/35

All: -355.044+/-284.898 χ^2/NDF: 151.7/72

- sign -2904.821+/-405.530 χ^2/NDF: 38.2/36

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1884.540+/-0.335 χ^2/NDF:27914.6/19

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

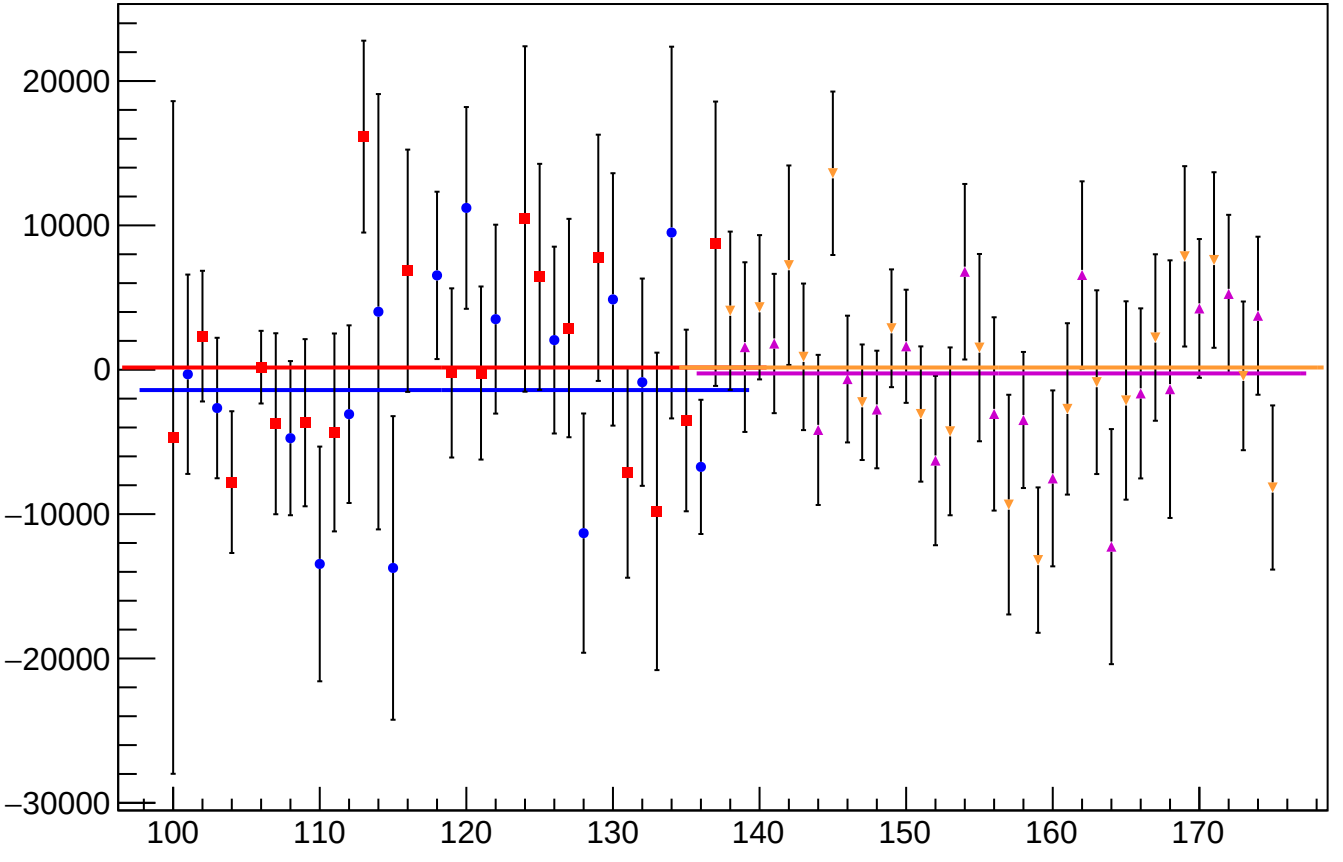
Left In: 1875.330+/-0.344 χ^2/NDF:17587.0/17

+ sign 1909.898+/-0.283 χ^2/NDF: 713244.6/35

All: 1904.725+/-0.201 χ^2/NDF: 993817.4/72

- sign 1899.419+/-0.287 χ^2/NDF: 279896.3/36

asym_atr_avg_dit_correction_mean vs Slug



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 156.200+/-1223.466 χ^2/NDF:24.1/19

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

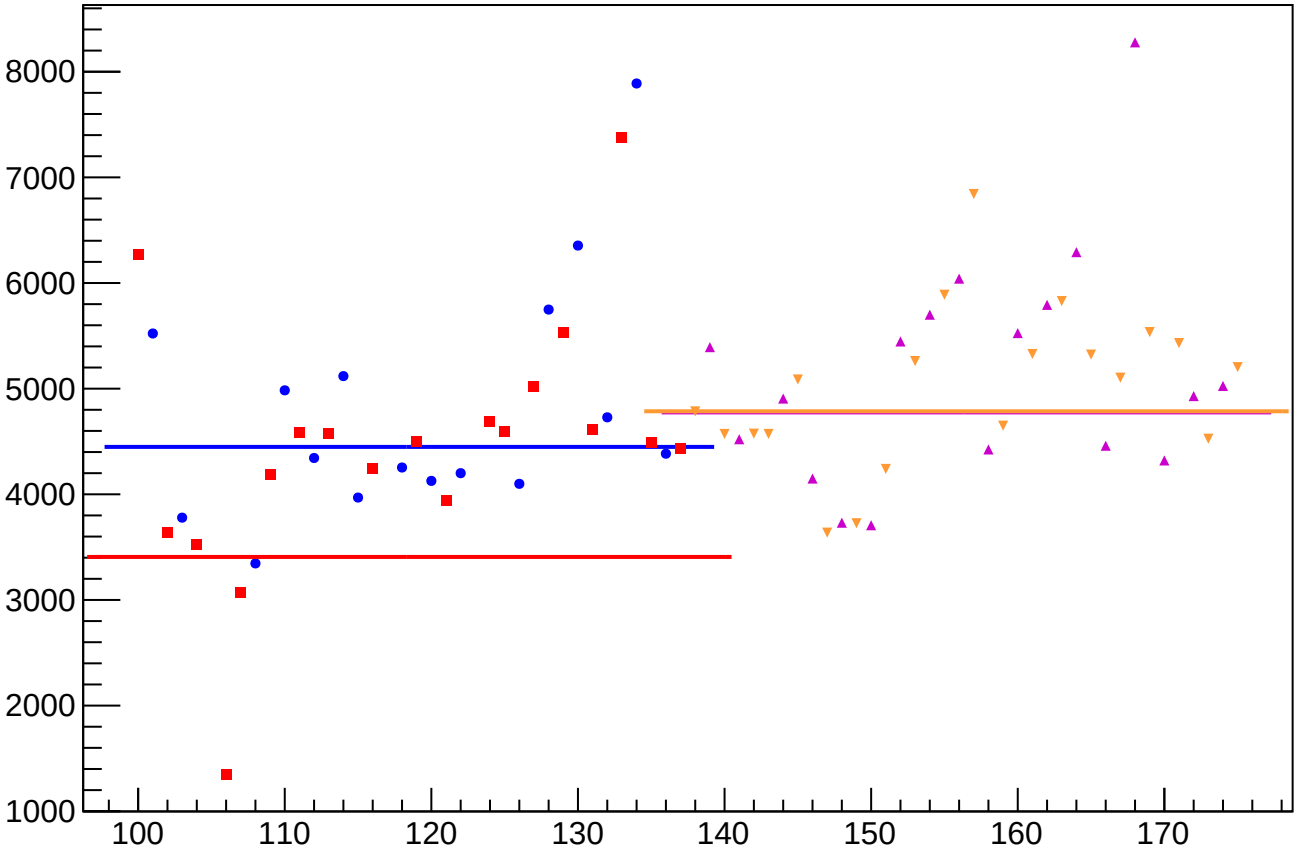
Left In: -254.278+/-1263.139 χ^2/NDF:11.7/17

+ sign -381.478+/-991.025 χ^2/NDF: 38.9/35

All: -212.711+/-676.863 χ^2/NDF: 66.5/72

- sign -65.150+/-926.670 χ^2/NDF: 27.6/36

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4785.914+/-0.865 χ^2/NDF:716509.4/19

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

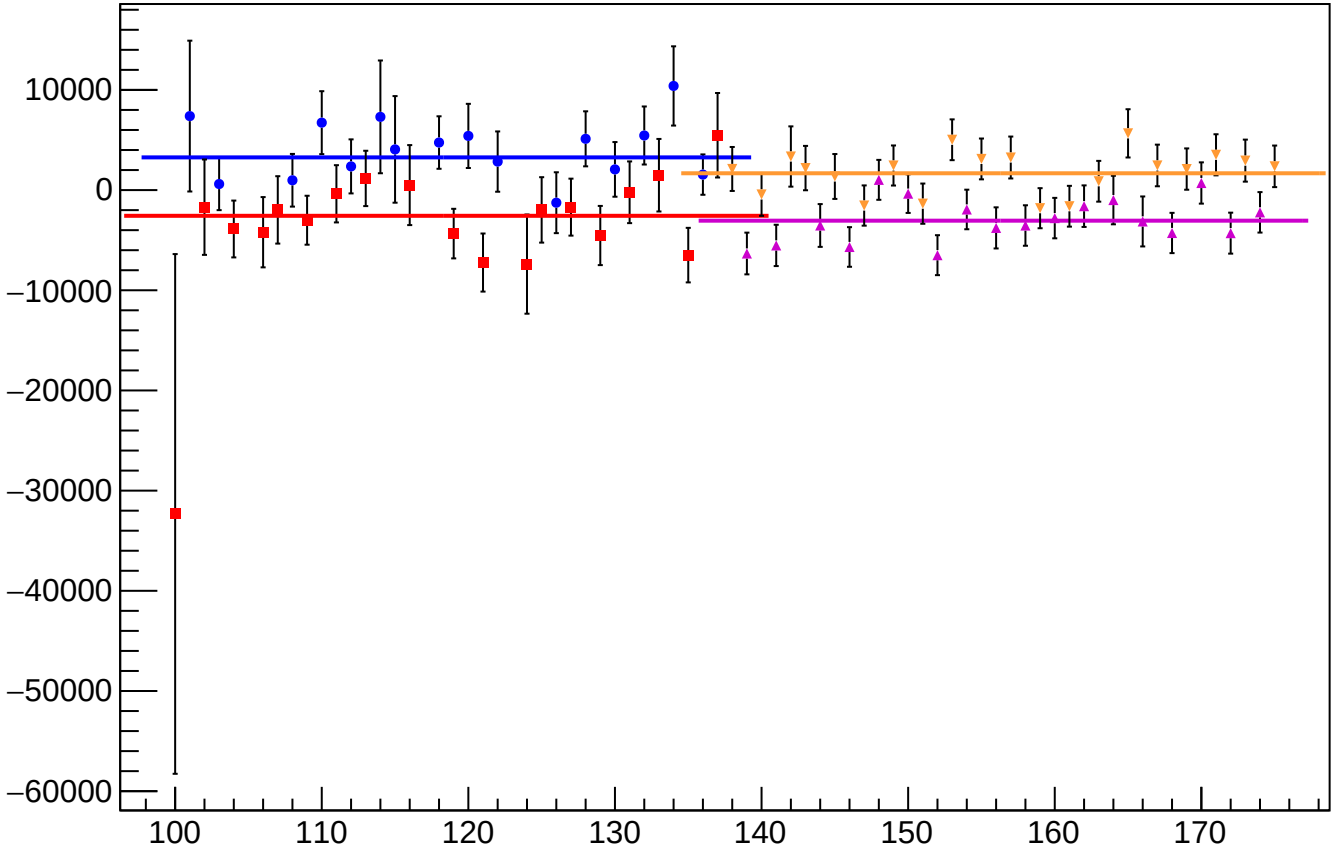
Left In: 4775.161+/-0.893 χ^2/NDF:991294.3/17

+ sign 4669.958+/-0.701 χ^2/NDF: 1263366.4/35

All: 4389.034+/-0.479 χ^2/NDF: 5965297.0/72

- sign 4143.410+/-0.655 χ^2/NDF: 4400708.0/36

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1679.070+/-473.199 χ^2/NDF:20.2/19

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

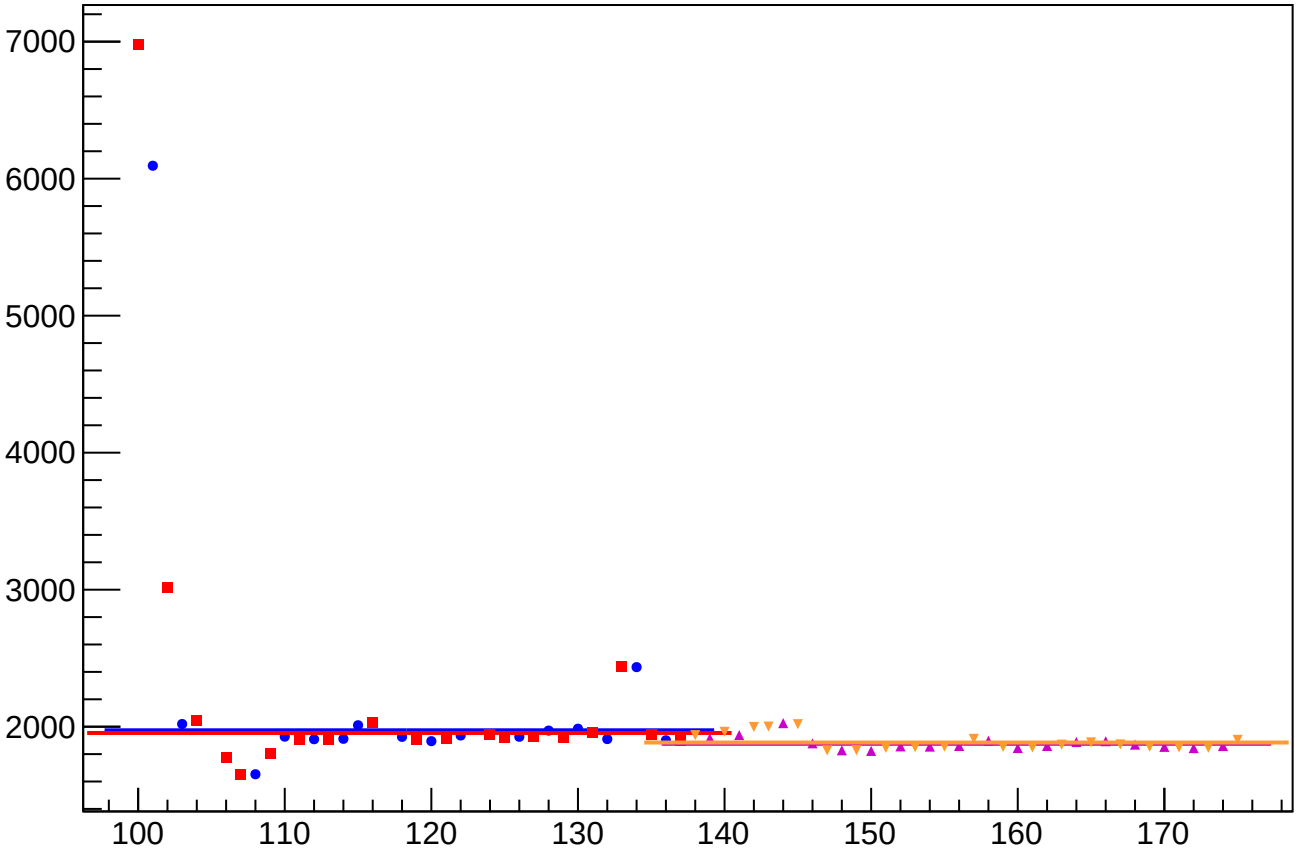
Left In: -3052.880+/-486.275 χ^2/NDF:20.8/17

+ sign 2129.787+/-400.332 χ^2/NDF: 35.5/35

All: -355.046+/-284.898 χ^2/NDF: 151.7/72

- sign -2904.824+/-405.530 χ^2/NDF: 38.2/36

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1884.540+/-0.335 χ^2/NDF:27914.7/19

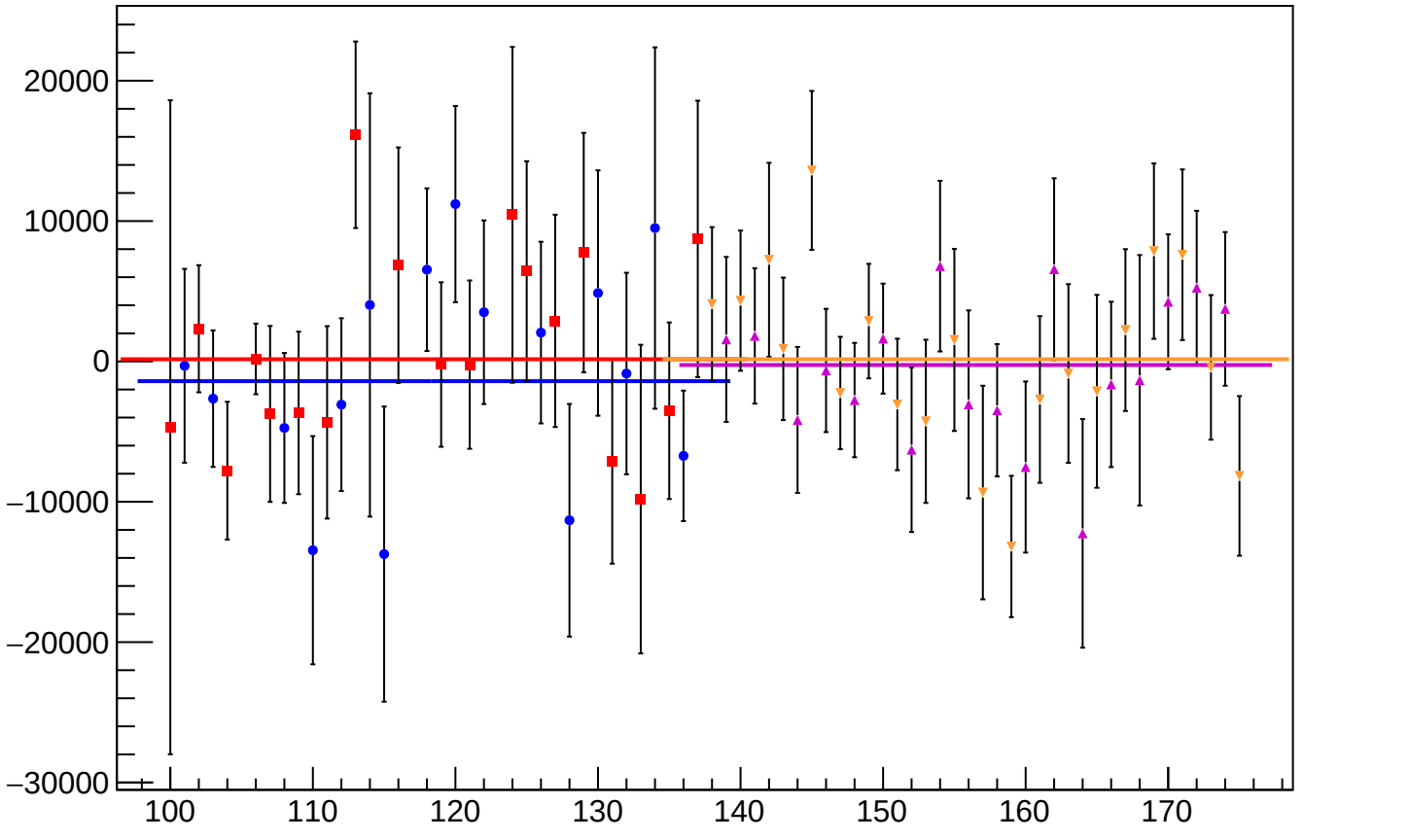
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1875.330+/-0.344 χ^2/NDF:17587.1/17

+ sign 1909.898+/-0.283 χ^2/NDF: 713244.2/35

All: 1904.725+/-0.201 χ^2/NDF: 993816.1/72

- sign 1899.420+/-0.287 χ^2/NDF: 279895.4/36



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 156.198+/-1223.468 χ^2/NDF:24.1/19

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

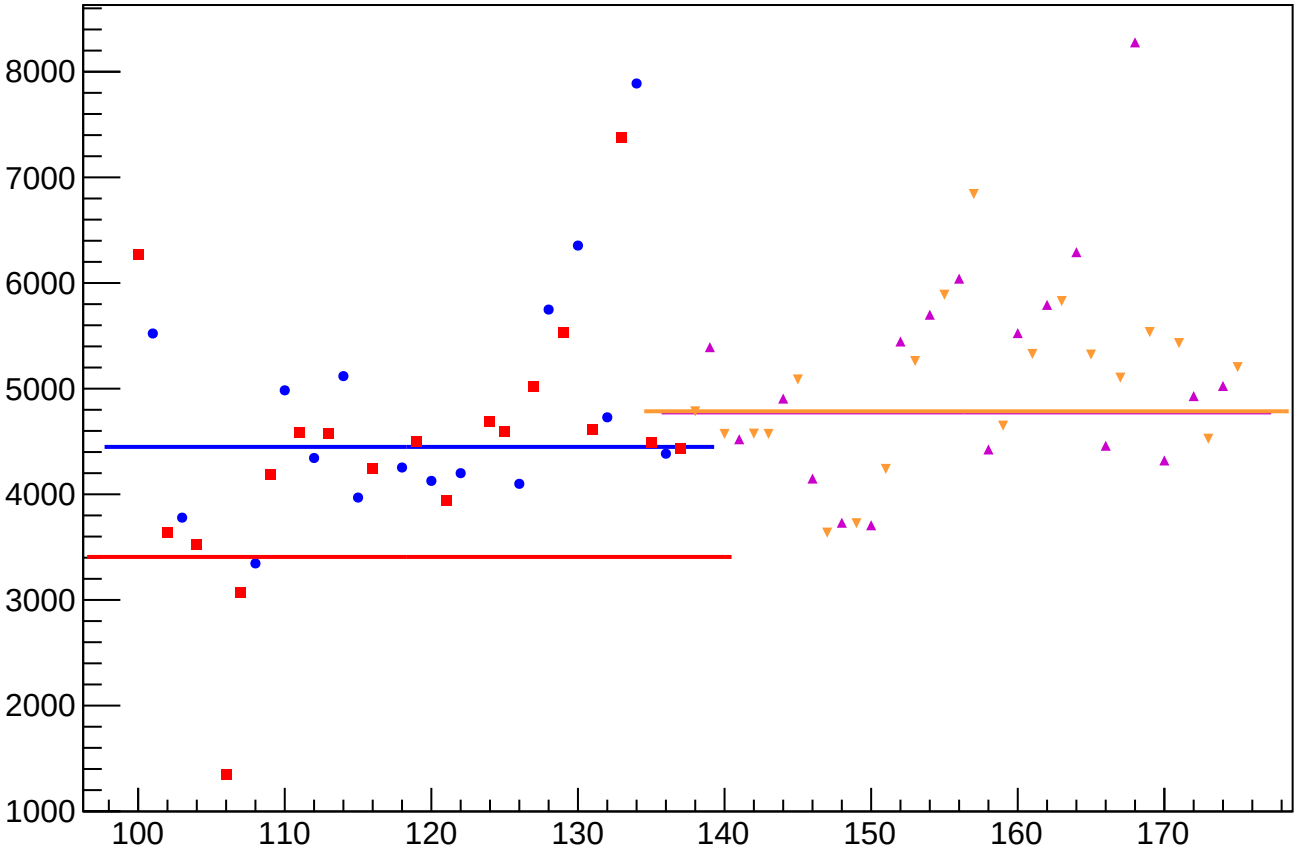
Left In: -254.276+/-1263.141 χ^2/NDF:11.7/17

+ sign -381.476+/-991.026 χ^2/NDF: 38.9/35

All: -212.708+/-676.863 χ^2/NDF: 66.5/72

- sign -65.148+/-926.670 χ^2/NDF: 27.6/36

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4785.922+/-0.865 χ^2/NDF:716509.1/19

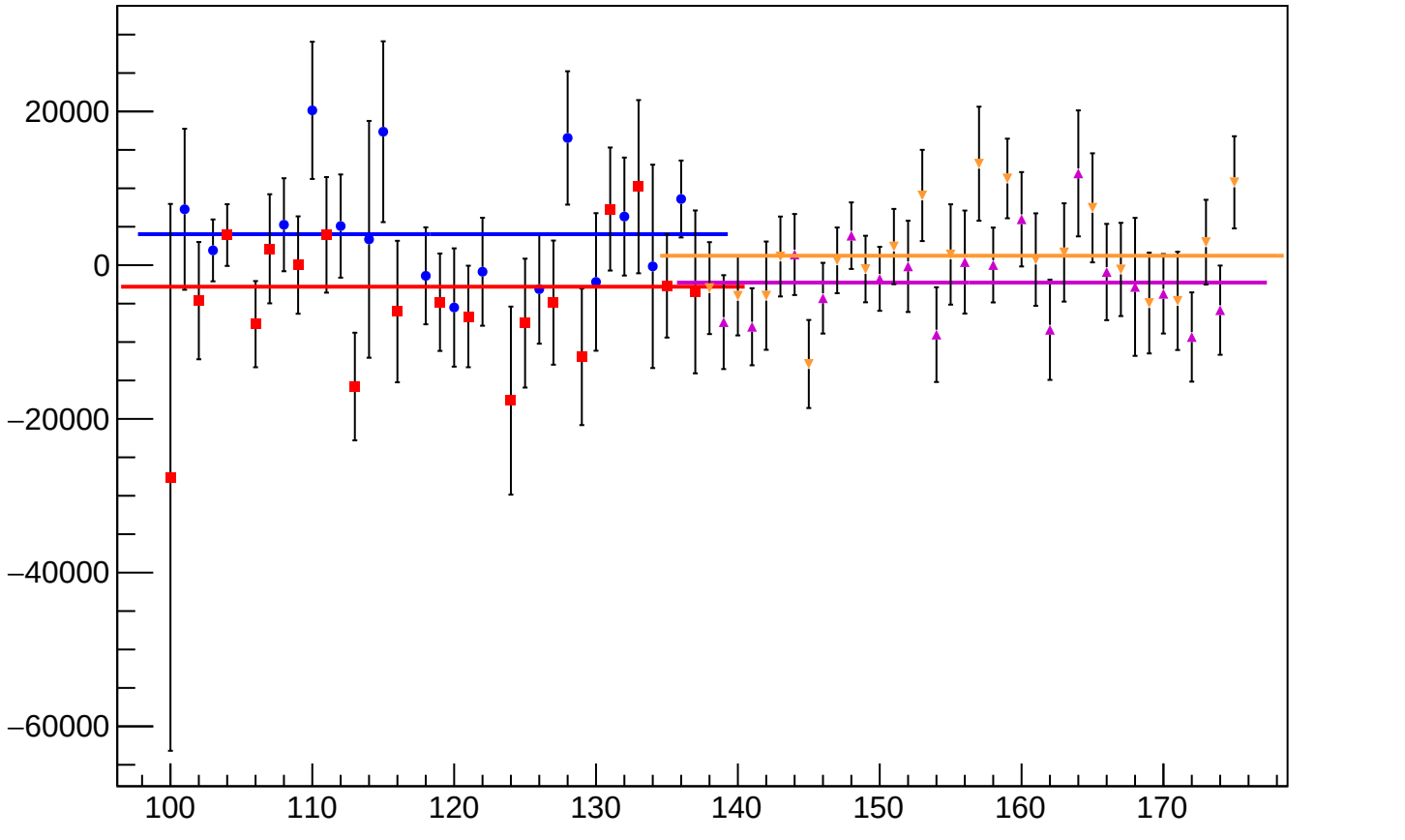
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4775.168+/-0.893 χ^2/NDF:991294.5/17

+ sign 4669.960+/-0.701 χ^2/NDF: 1263367.8/35

All: 4389.033+/-0.479 χ^2/NDF: 5965332.6/72

- sign 4143.408+/-0.655 χ^2/NDF: 4400737.2/36



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 1229.184+/-1272.079 χ^2/NDF:21.7/19

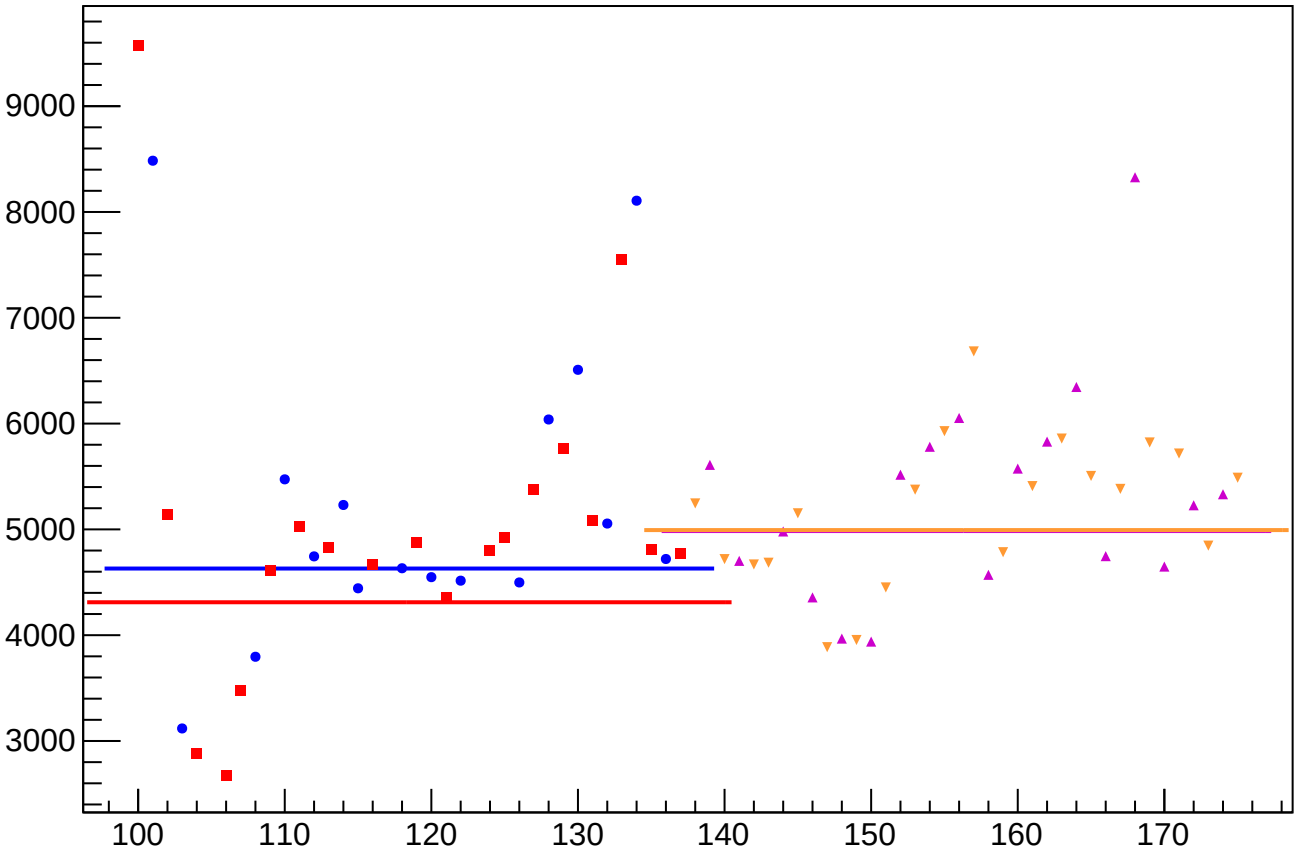
Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: -2258.996+/-1313.519 χ^2/NDF:14.1/17

+ sign 2176.162+/-1035.353 χ^2/NDF: 35.7/35

All: -150.328+/-731.227 χ^2/NDF: 75.4/72

- sign -2465.689+/-1032.874 χ^2/NDF: 29.6/36



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4993.314+/-0.899 χ^2/NDF:589408.7/19

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

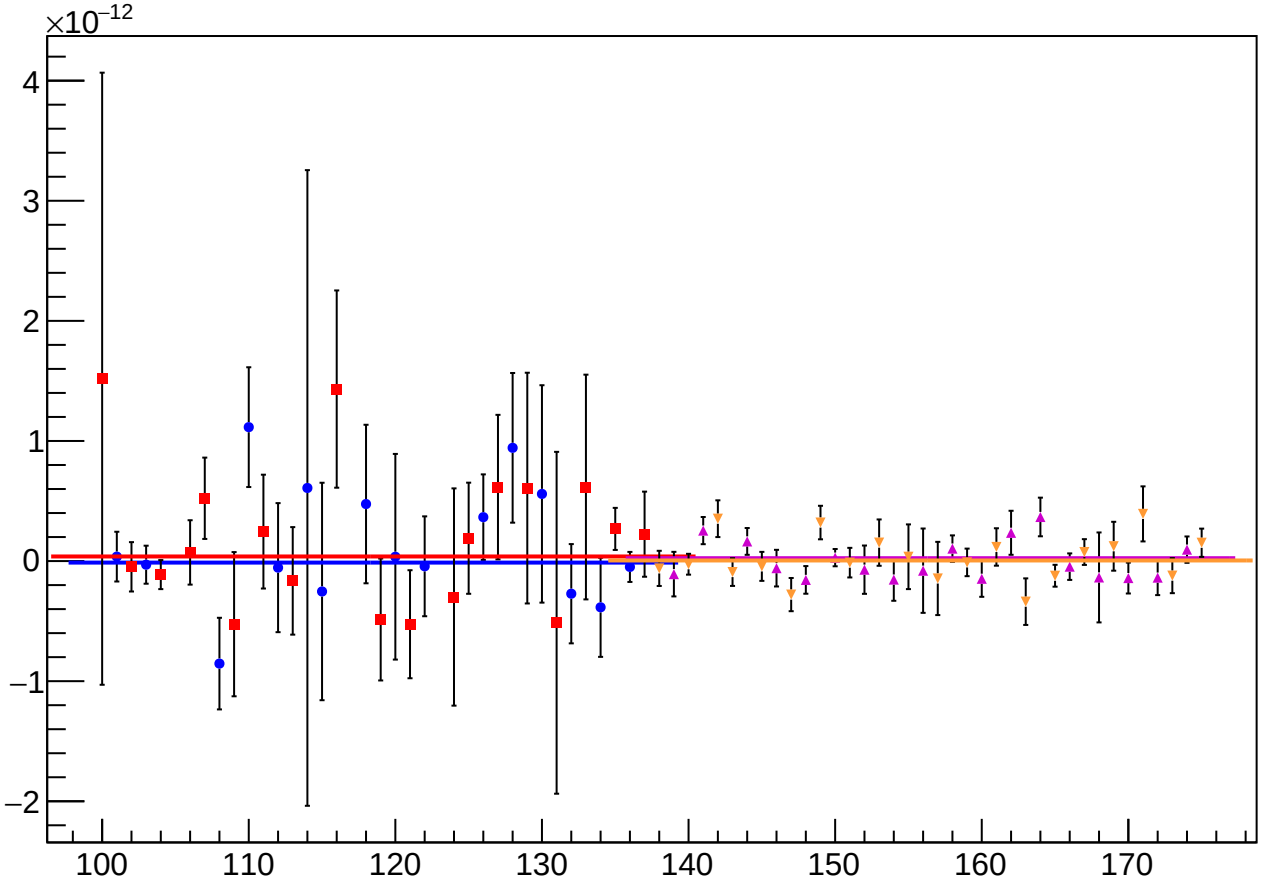
Left In: 4984.173+/-0.929 χ^2/NDF:822380.5/17

+ sign 4870.664+/-0.732 χ^2/NDF: 1544734.7/35

All: 4797.194+/-0.516 χ^2/NDF: 3494398.5/72

- sign 4724.562+/-0.728 χ^2/NDF: 1929636.7/36

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

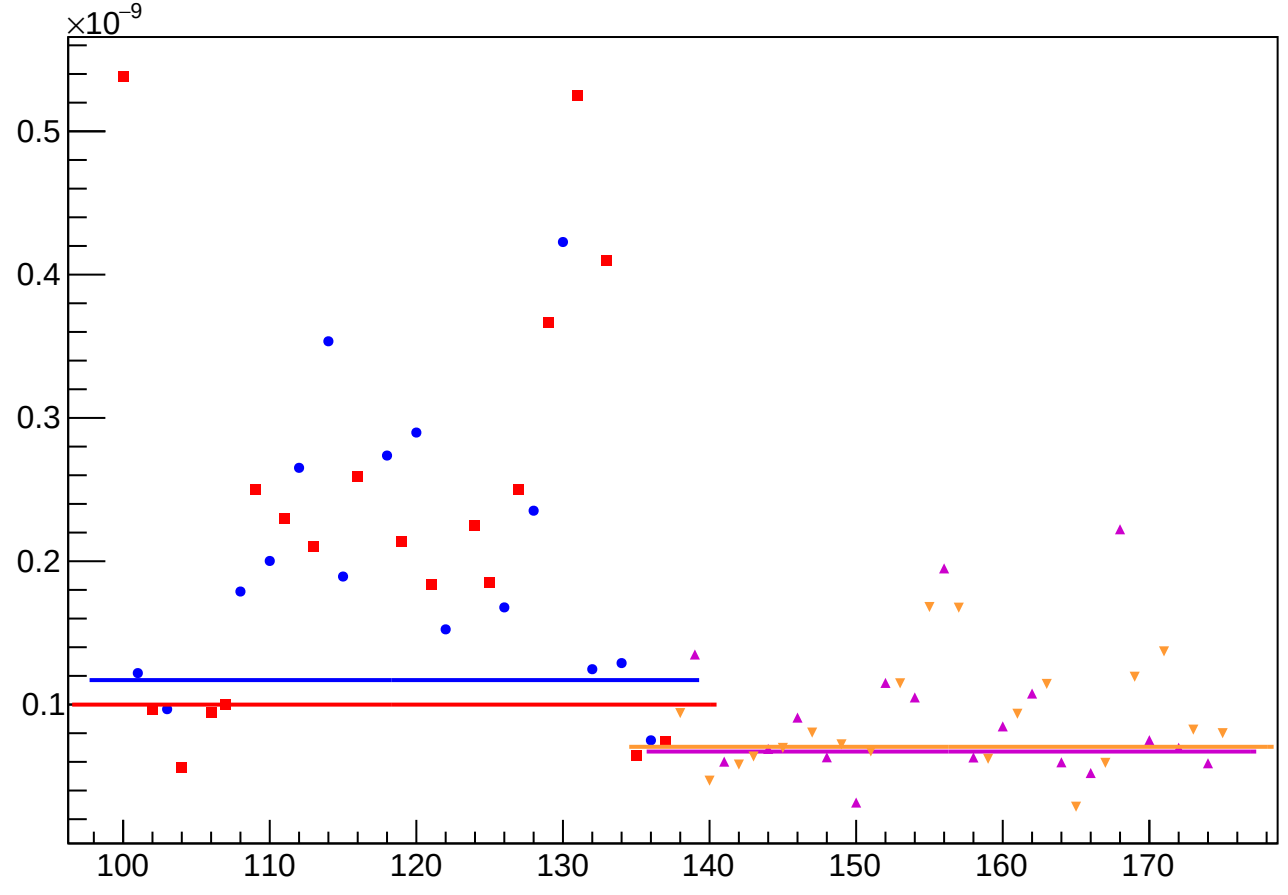
Left In: 0.000+/-0.000 χ^2/NDF:21.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 44.1/35

All: 0.000+/-0.000 χ^2/NDF: 81.4/72

- sign 0.000+/-0.000 χ^2/NDF: 36.9/36

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1713645.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

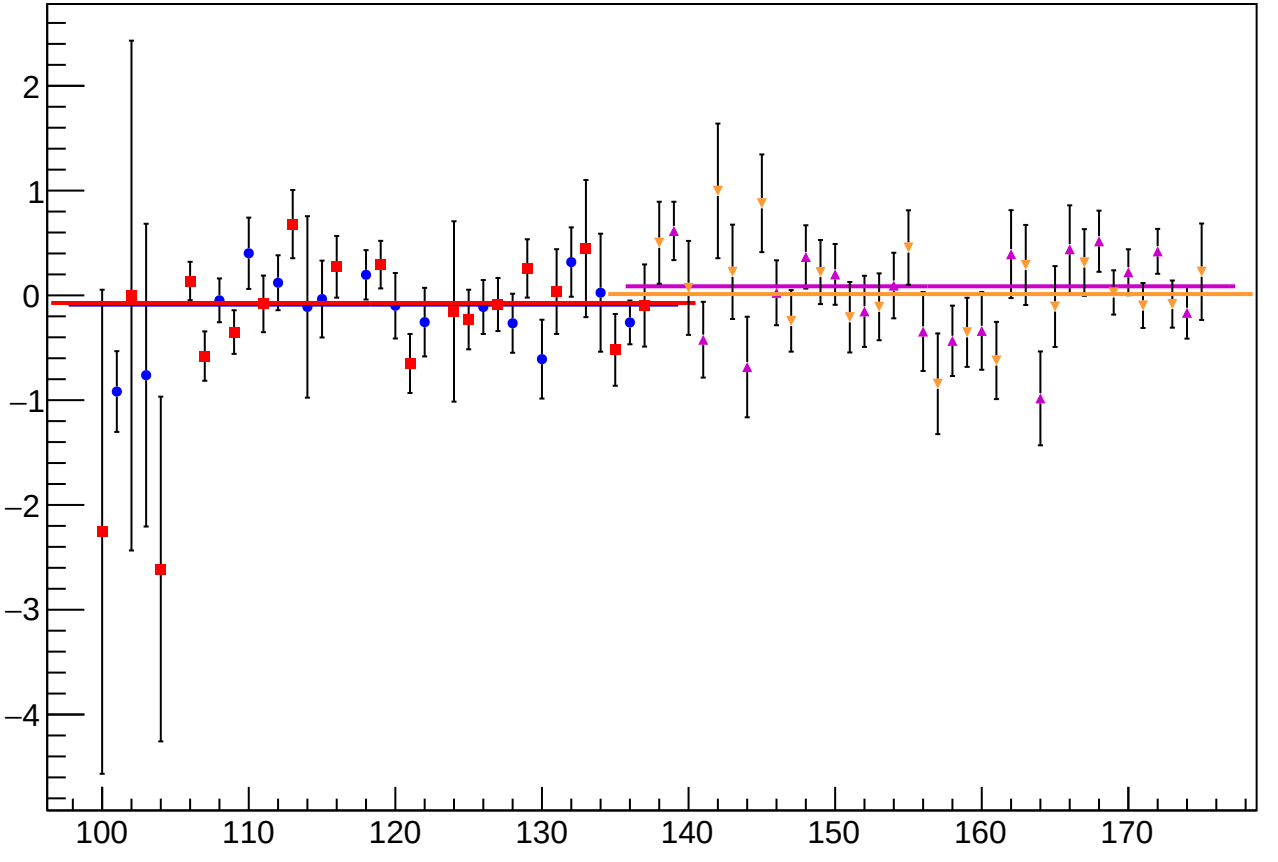
Left In: 0.000+/-0.000 χ^2/NDF:1816717.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 3471137.0/35

All: 0.000+/-0.000 χ^2/NDF: 7503253.1/72

- sign 0.000+/-0.000 χ^2/NDF: 4004699.6/36

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.073 χ^2/NDF:20.5/19

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

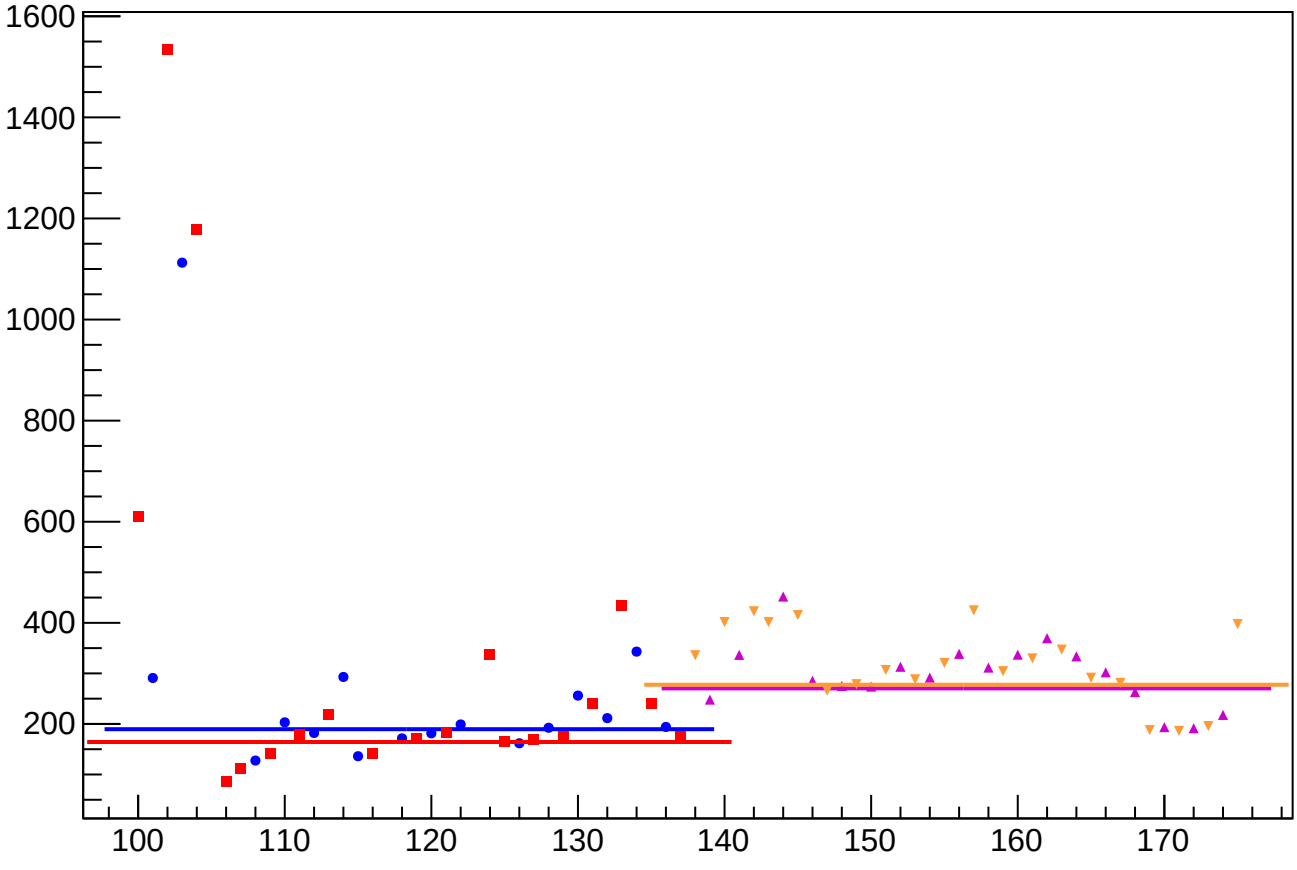
Left In: 0.087+/-0.073 χ^2/NDF:27.7/17

+ sign -0.036+/-0.053 χ^2/NDF: 35.3/35

All: -0.015+/-0.037 χ^2/NDF: 94.4/72

- sign 0.004+/-0.051 χ^2/NDF: 58.8/36

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 277.549+/-0.052 χ^2/NDF:2109312.8/19

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

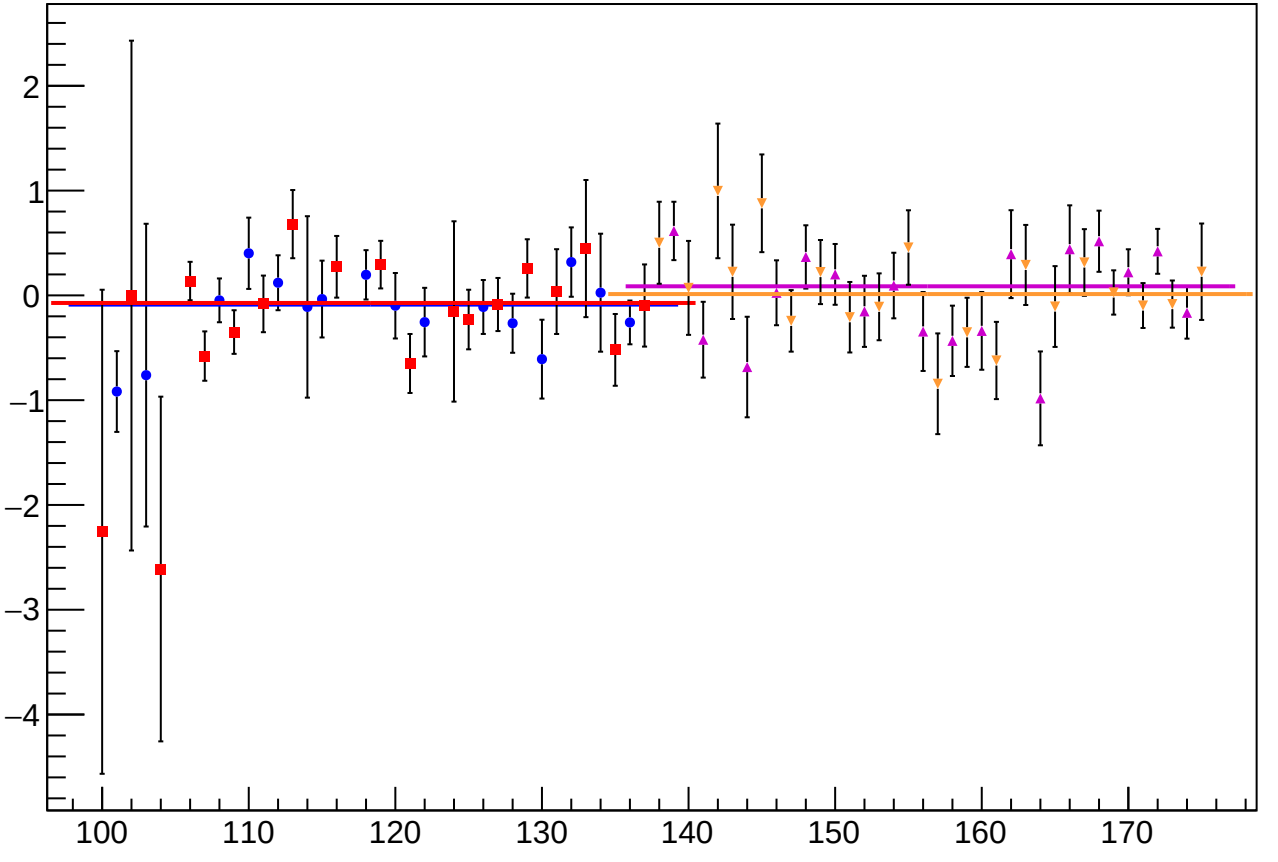
Left In: 270.301+/-0.052 χ^2/NDF:1344329.3/17

+ sign 235.524+/-0.038 χ^2/NDF: 4944185.9/35

All: 224.782+/-0.026 χ^2/NDF: 11283417.2/72

- sign 215.037+/-0.036 χ^2/NDF: 6182973.2/36

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.073 χ^2/NDF:20.5/19

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

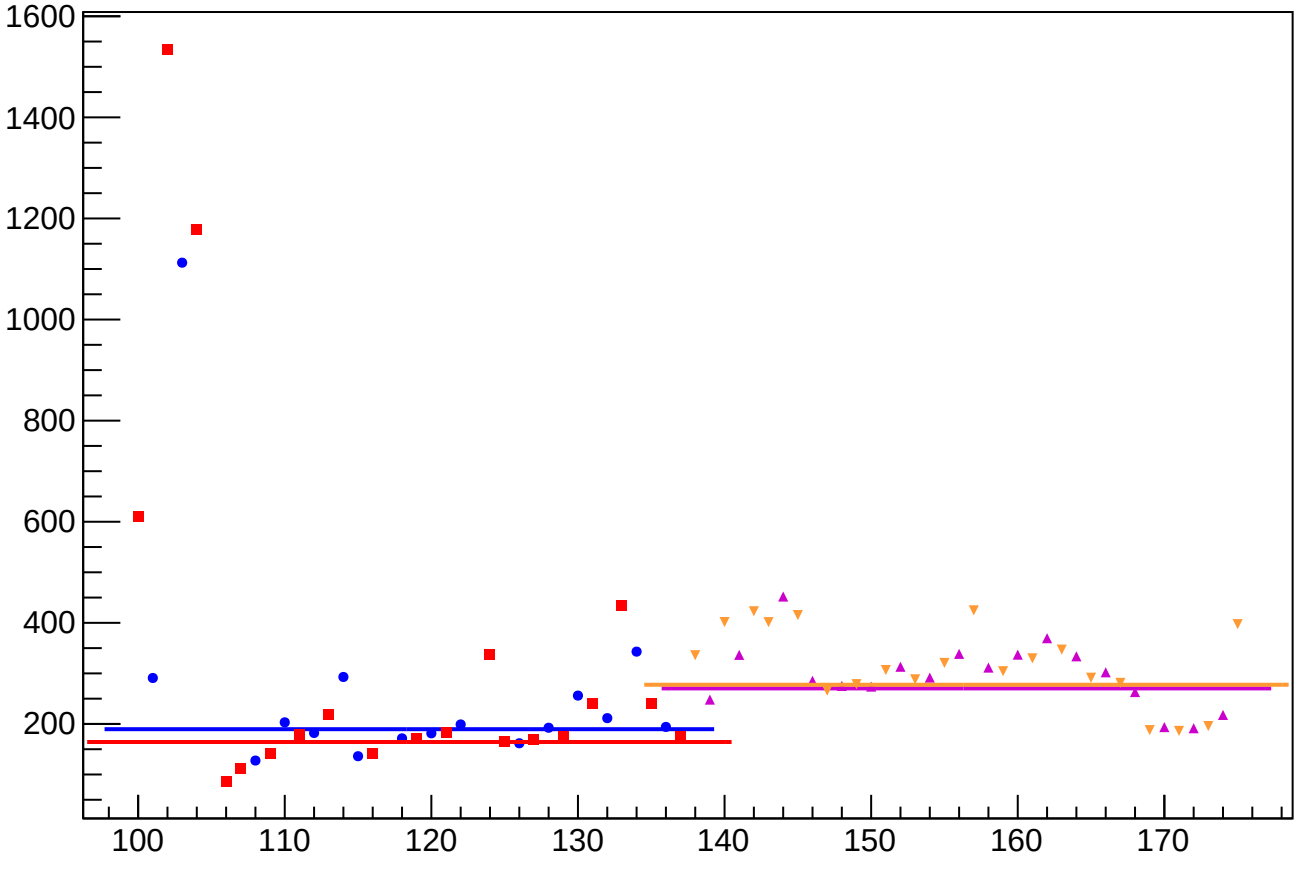
Left In: 0.087+/-0.073 χ^2/NDF:27.7/17

+ sign -0.036+/-0.053 χ^2/NDF: 35.3/35

All: -0.015+/-0.037 χ^2/NDF: 94.4/72

- sign 0.004+/-0.051 χ^2/NDF: 58.8/36

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 277.549+/-0.052 χ^2/NDF:2109312.8/19

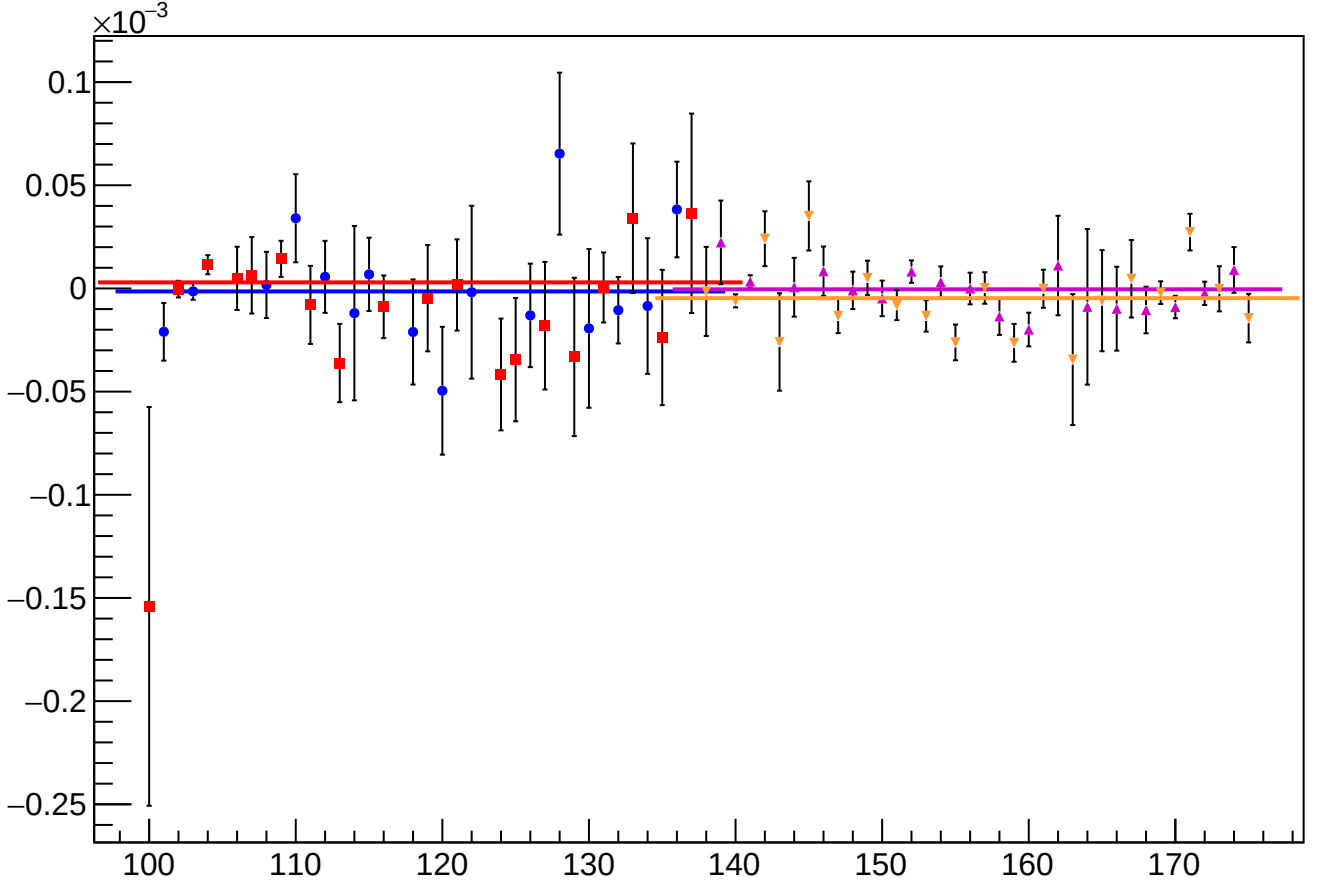
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 270.301+/-0.052 χ^2/NDF:1344329.3/17

+ sign 235.524+/-0.038 χ^2/NDF: 4944185.9/35

All: 224.782+/-0.026 χ^2/NDF: 11283417.2/72

- sign 215.037+/-0.036 χ^2/NDF: 6182973.2/36



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.9/19

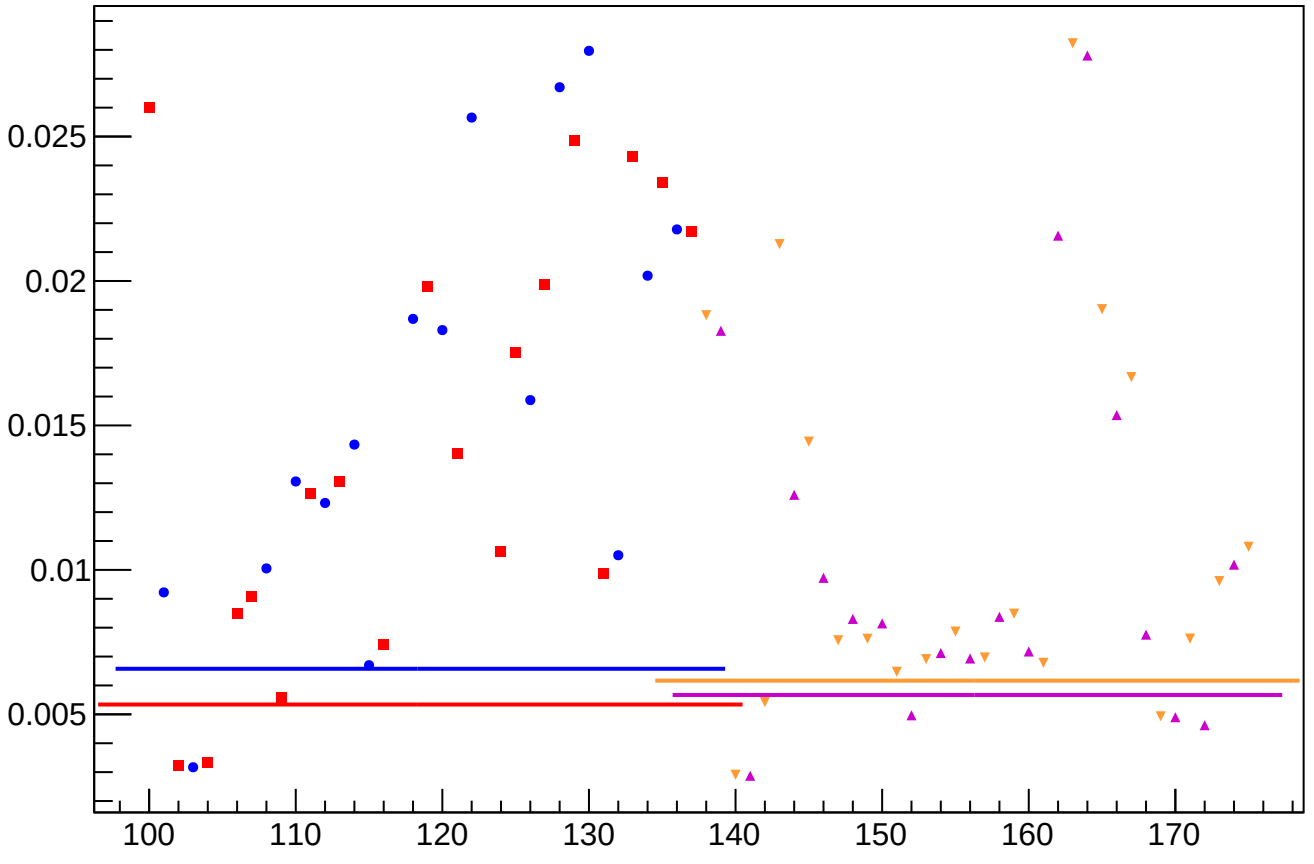
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.7/17

+ sign -0.000+/-0.000 χ^2/NDF: 58.5/35

All: -0.000+/-0.000 χ^2/NDF: 104.2/72

- sign 0.000+/-0.000 χ^2/NDF: 41.2/36



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:7288104.5/19

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

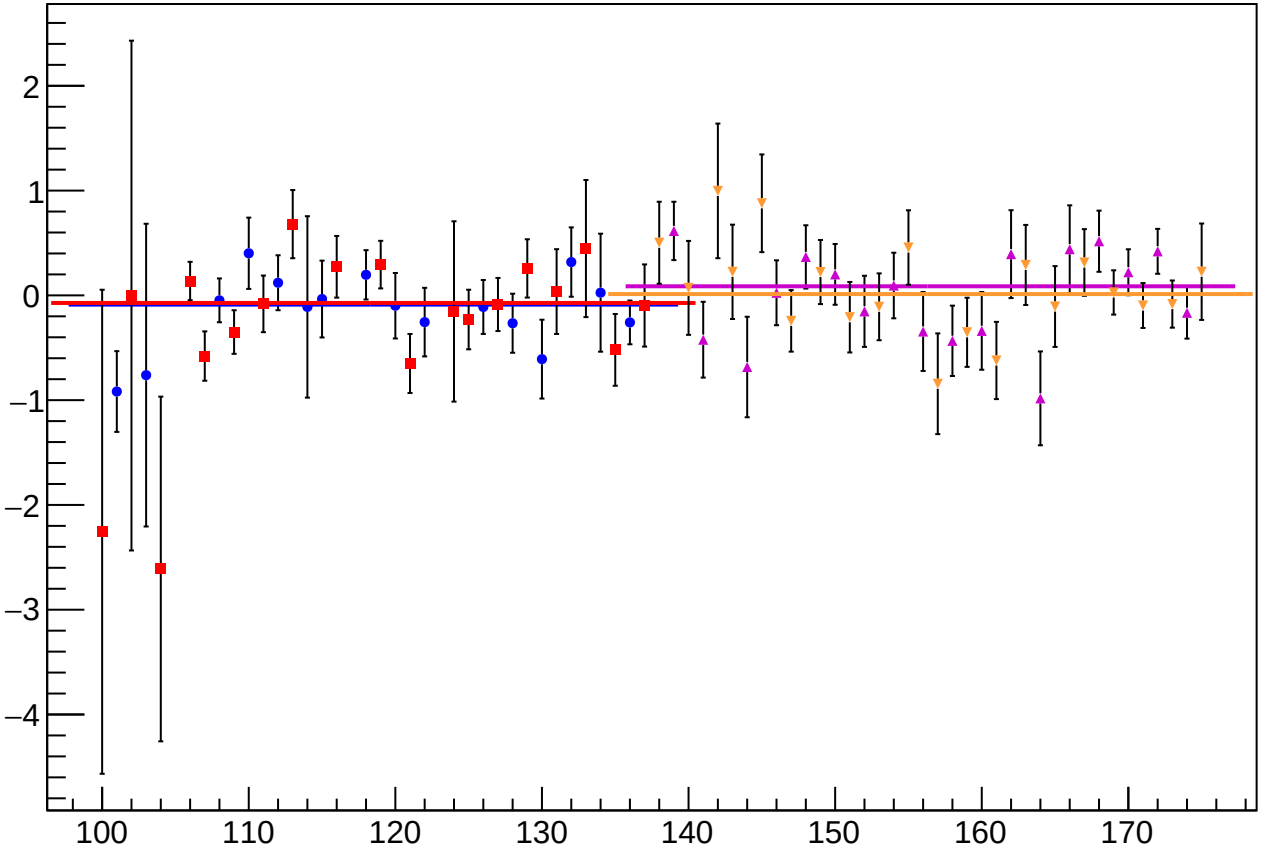
Left In: 0.006+/-0.000 χ^2/NDF:6414781.0/17

+ sign 0.006+/-0.000 χ^2/NDF: 13239740.7/35

All: 0.006+/-0.000 χ^2/NDF: 25571843.2/72

- sign 0.006+/-0.000 χ^2/NDF: 12123369.8/36

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.073 χ^2/NDF:20.5/19

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

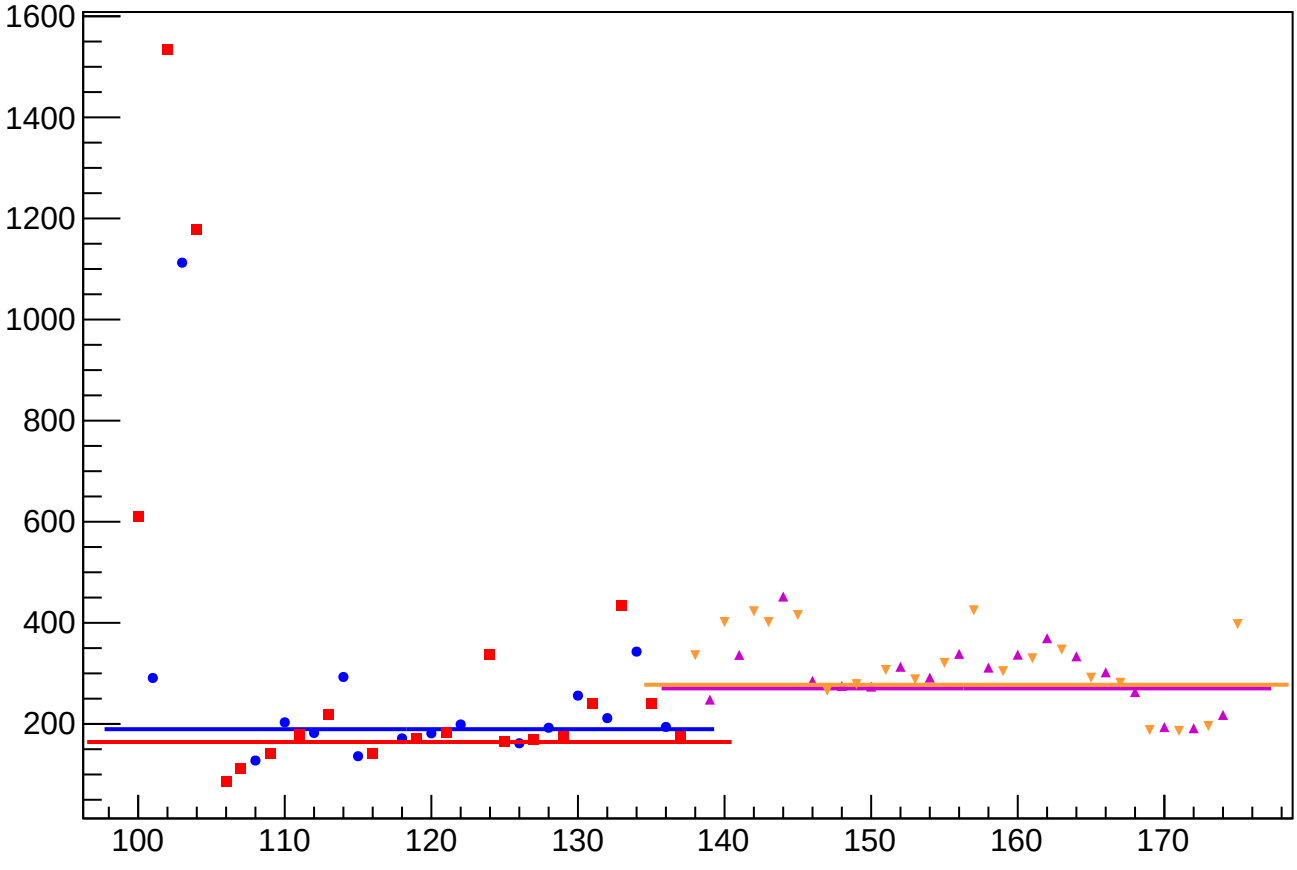
Left In: 0.087+/-0.073 χ^2/NDF:27.7/17

+ sign -0.036+/-0.053 χ^2/NDF: 35.3/35

All: -0.015+/-0.037 χ^2/NDF: 94.4/72

- sign 0.004+/-0.051 χ^2/NDF: 58.8/36

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 277.551+/-0.052 χ^2/NDF:2109399.6/19

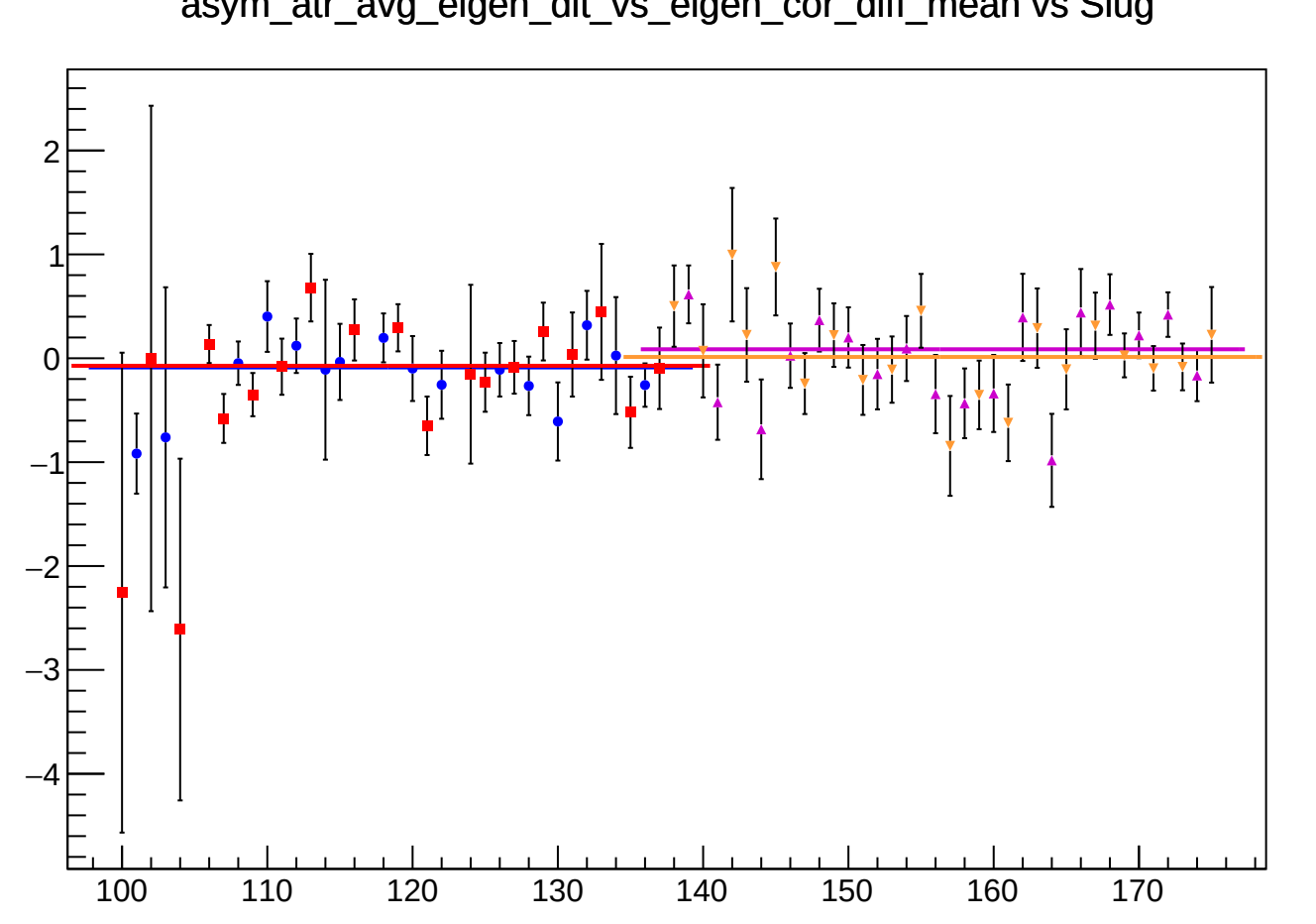
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

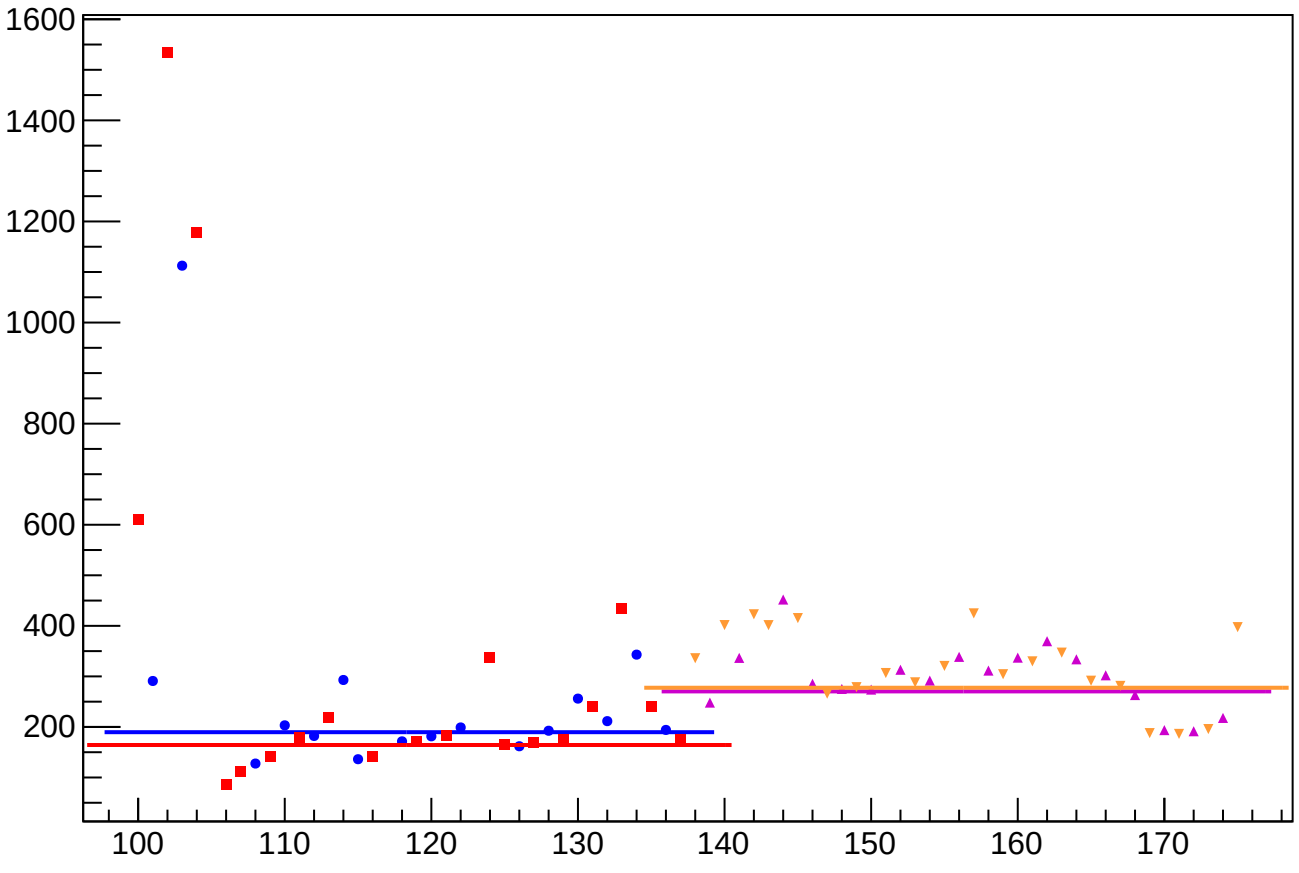
Left In: 270.304+/-0.052 χ^2/NDF:1344378.8/17

+ sign 235.525+/-0.038 χ^2/NDF: 4944347.2/35

All: 224.782+/-0.026 χ^2/NDF: 11283737.6/72

- sign 215.037+/-0.036 χ^2/NDF: 6183129.8/36


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.012+/-0.073 χ²/NDF:20.5/19
Right Out: -0.072+/-0.070 χ²/NDF: 28.7/18
Left In: 0.087+/-0.073 χ²/NDF:27.7/17
+ sign -0.036+/-0.053 χ²/NDF: 35.3/35
All: -0.015+/-0.037 χ²/NDF: 94.4/72
- sign 0.004+/-0.051 χ²/NDF: 58.8/36



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 277.551+/-0.052 χ^2/NDF:2109399.6/19

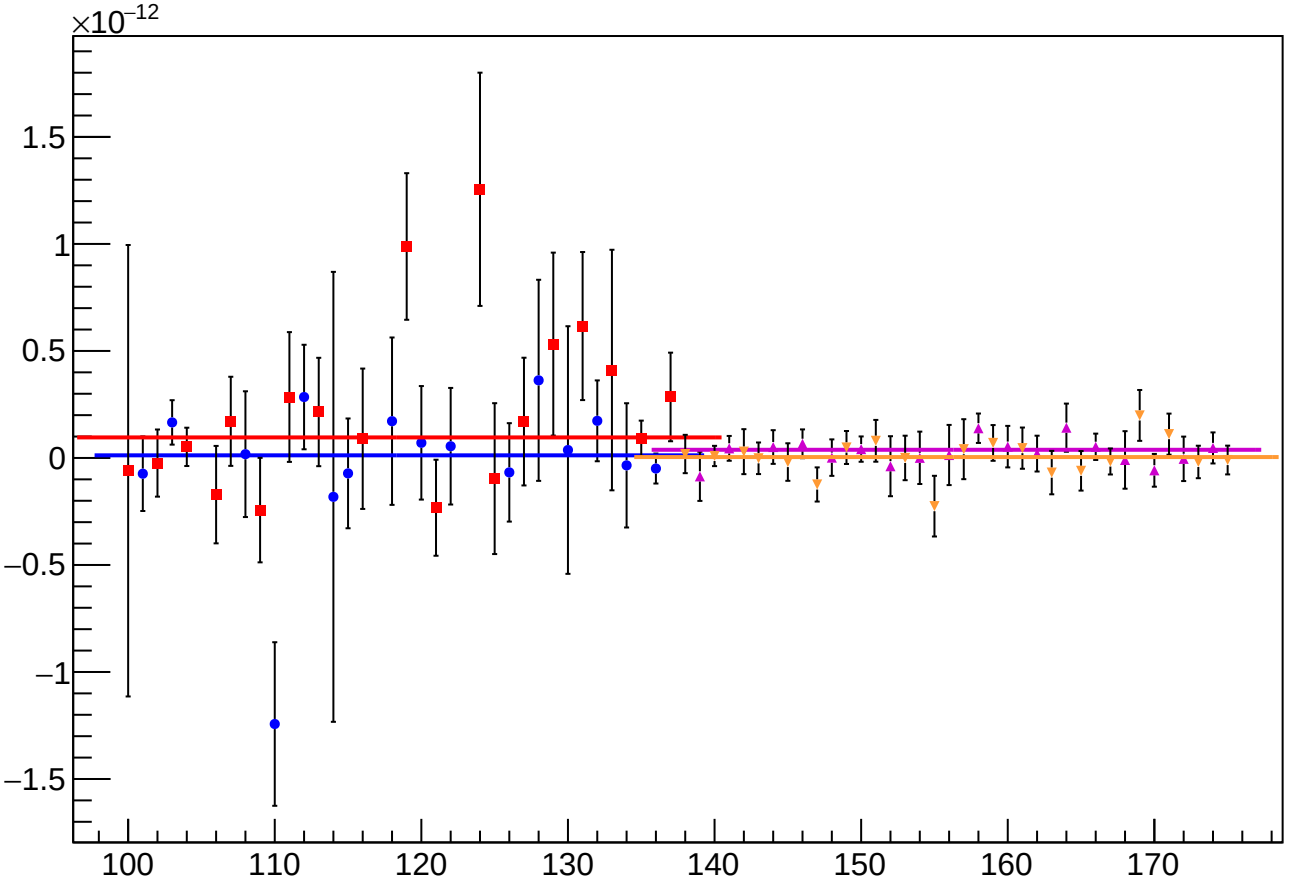
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 270.304+/-0.052 χ^2/NDF:1344378.8/17

+ sign 235.525+/-0.038 χ^2/NDF: 4944347.2/35

All: 224.782+/-0.026 χ^2/NDF: 11283737.6/72

- sign 215.037+/-0.036 χ^2/NDF: 6183129.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

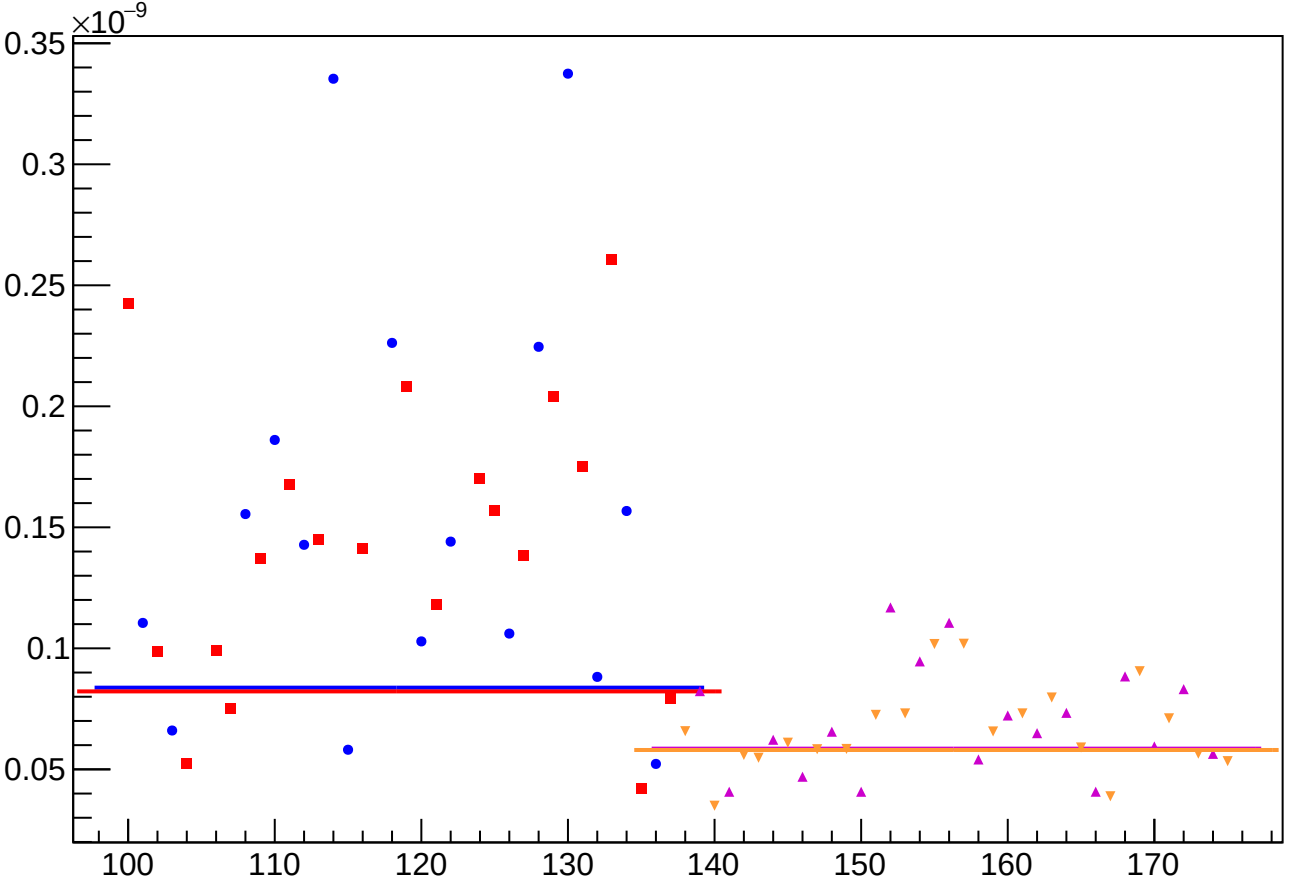
Left In: 0.000+/-0.000 χ^2/NDF:7.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 29.5/35

All: 0.000+/-0.000 χ^2/NDF: 63.9/72

- sign 0.000+/-0.000 χ^2/NDF: 31.6/36

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1521046.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

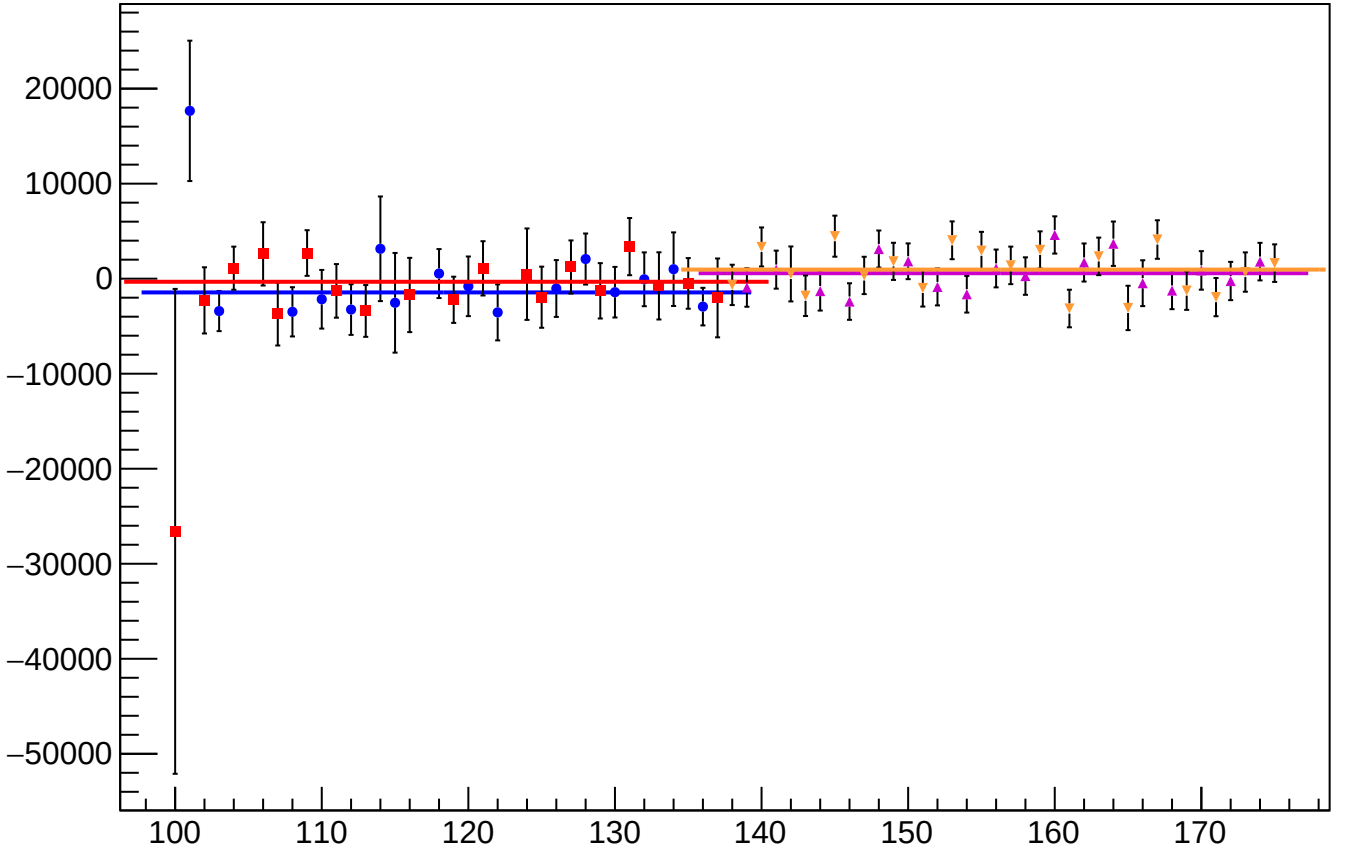
Left In: 0.000+/-0.000 χ^2/NDF:1801153.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 4178078.7/35

All: 0.000+/-0.000 χ^2/NDF: 8722875.2/72

- sign 0.000+/-0.000 χ^2/NDF: 4543483.4/36

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 957.318+/-459.461 χ^2/NDF:25.7/19

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

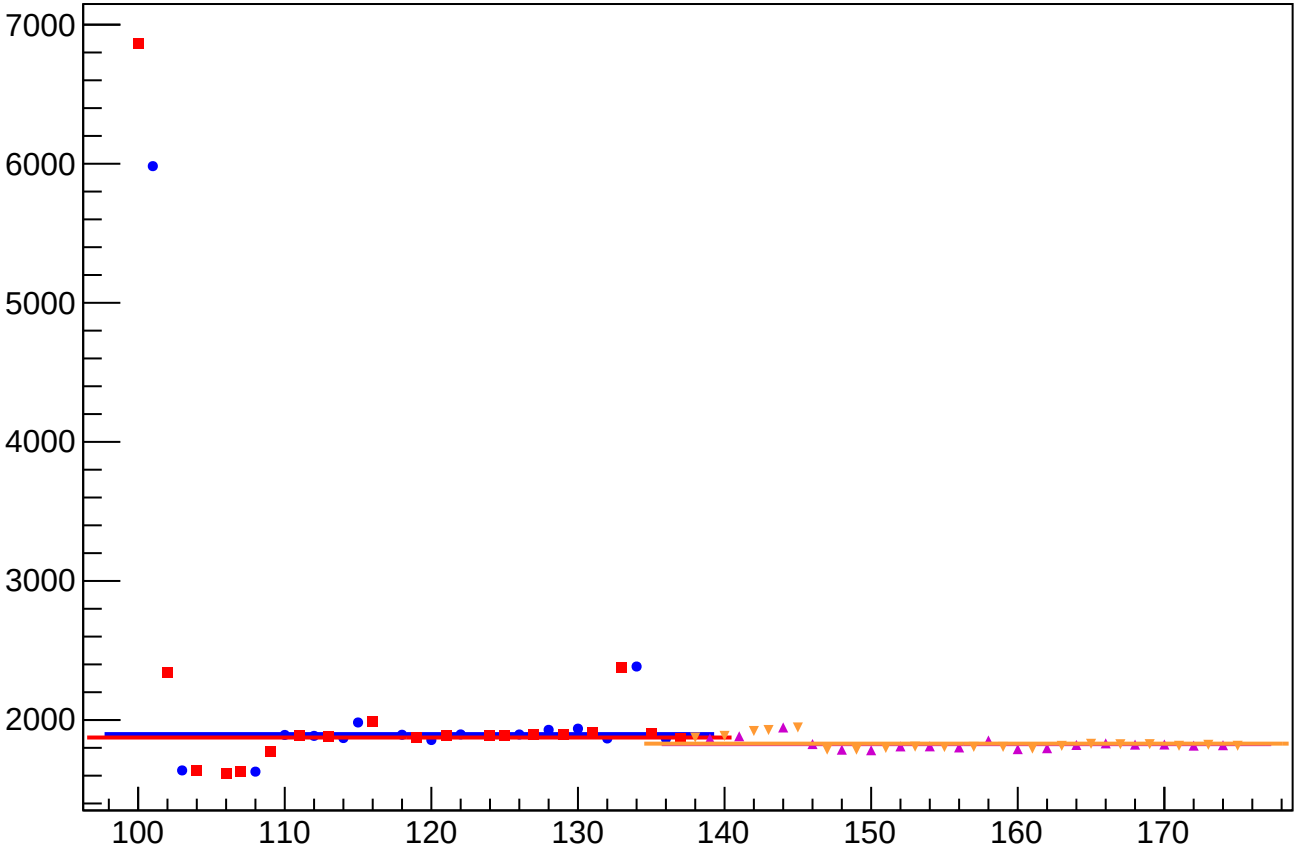
Left In: 574.580+/-473.579 χ^2/NDF:15.9/17

+ sign 265.981+/-387.804 χ^2/NDF: 47.1/35

All: 279.467+/-275.937 χ^2/NDF: 74.0/72

- sign 293.297+/-392.709 χ^2/NDF: 26.9/36

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1830.216+/-0.325 χ^2/NDF:18986.0/19

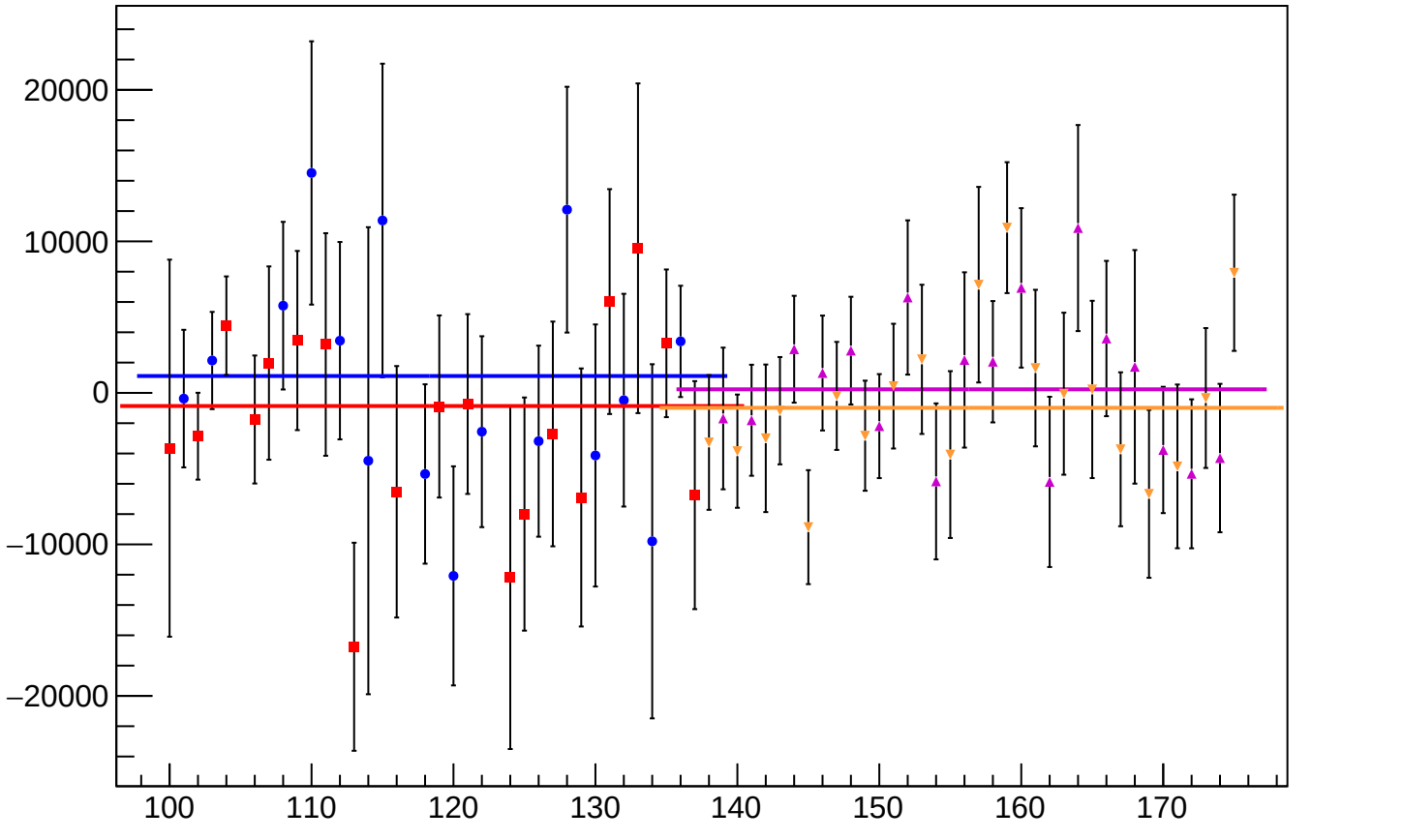
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1826.581+/-0.335 χ^2/NDF:13253.1/17

+ sign 1849.948+/-0.274 χ^2/NDF: 729326.1/35

All: 1845.793+/-0.195 χ^2/NDF: 957060.9/72

- sign 1841.541+/-0.277 χ^2/NDF: 227270.3/36



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -985.987+/-1014.364 χ^2/NDF:20.9/19

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

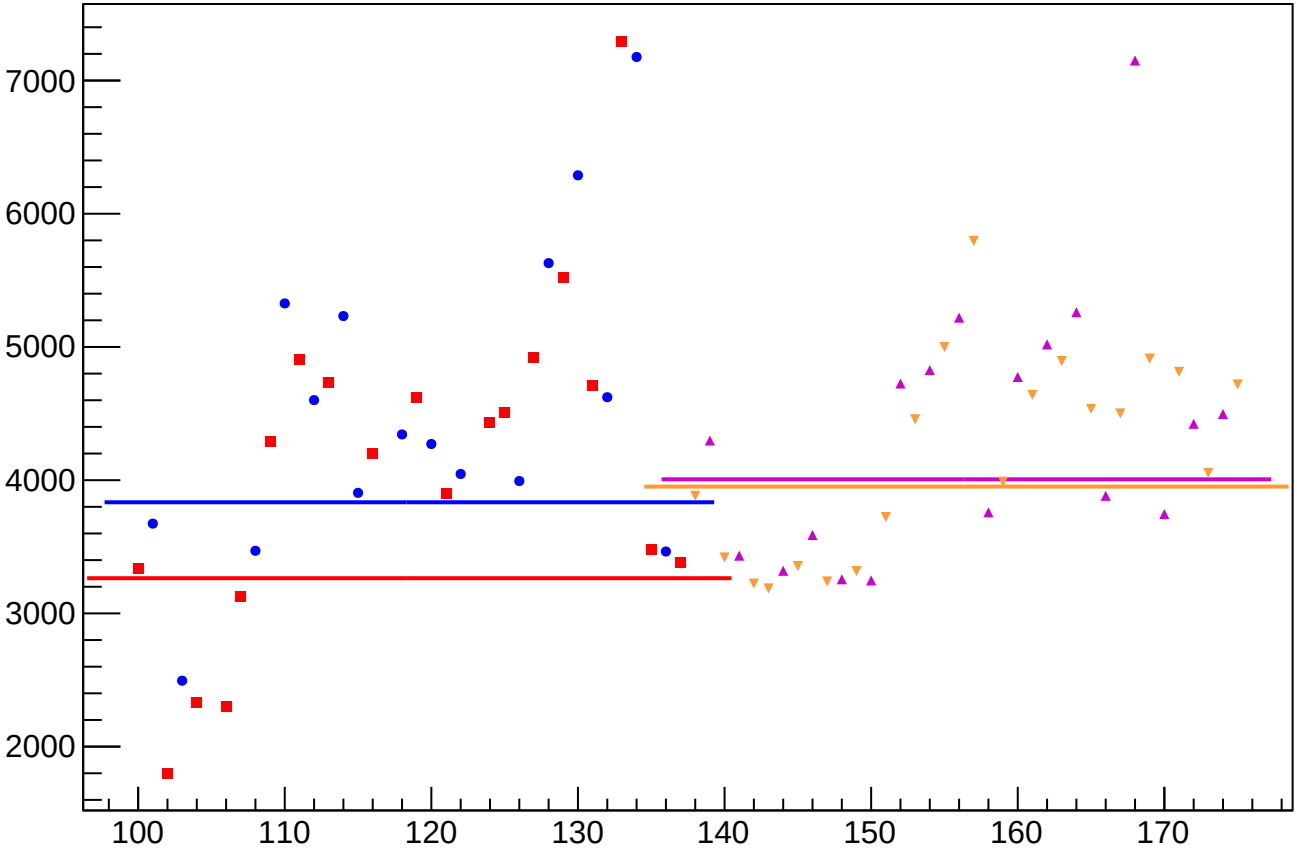
Left In: 235.332+/-1061.340 χ^2/NDF:14.1/17

\+ sign -314.769+/-836.572 χ^2/NDF: 35.7/35

All: -257.838+/-587.036 χ^2/NDF: 65.8/72

\- sign -202.610+/-823.961 χ^2/NDF: 30.1/36

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3951.885+/-0.717 χ^2/NDF:929970.2/19

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

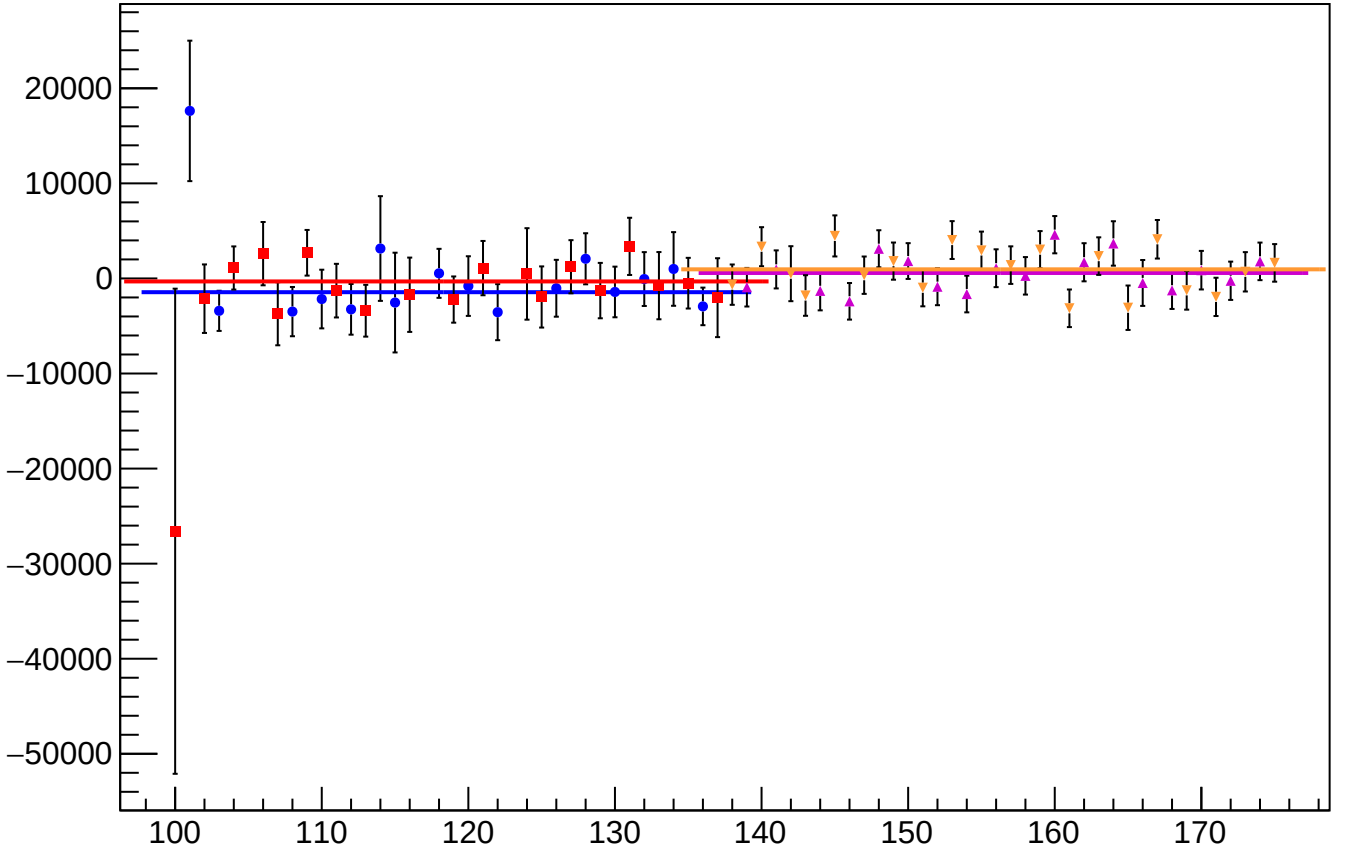
Left In: 4006.475+/-0.750 χ^2/NDF:1081821.6/17

+ sign 3914.235+/-0.592 χ^2/NDF: 1895361.1/35

All: 3811.347+/-0.415 χ^2/NDF: 5289772.5/72

- sign 3711.537+/-0.583 χ^2/NDF: 3334812.6/36

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 957.402+/-459.461 χ^2/NDF:25.7/19

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

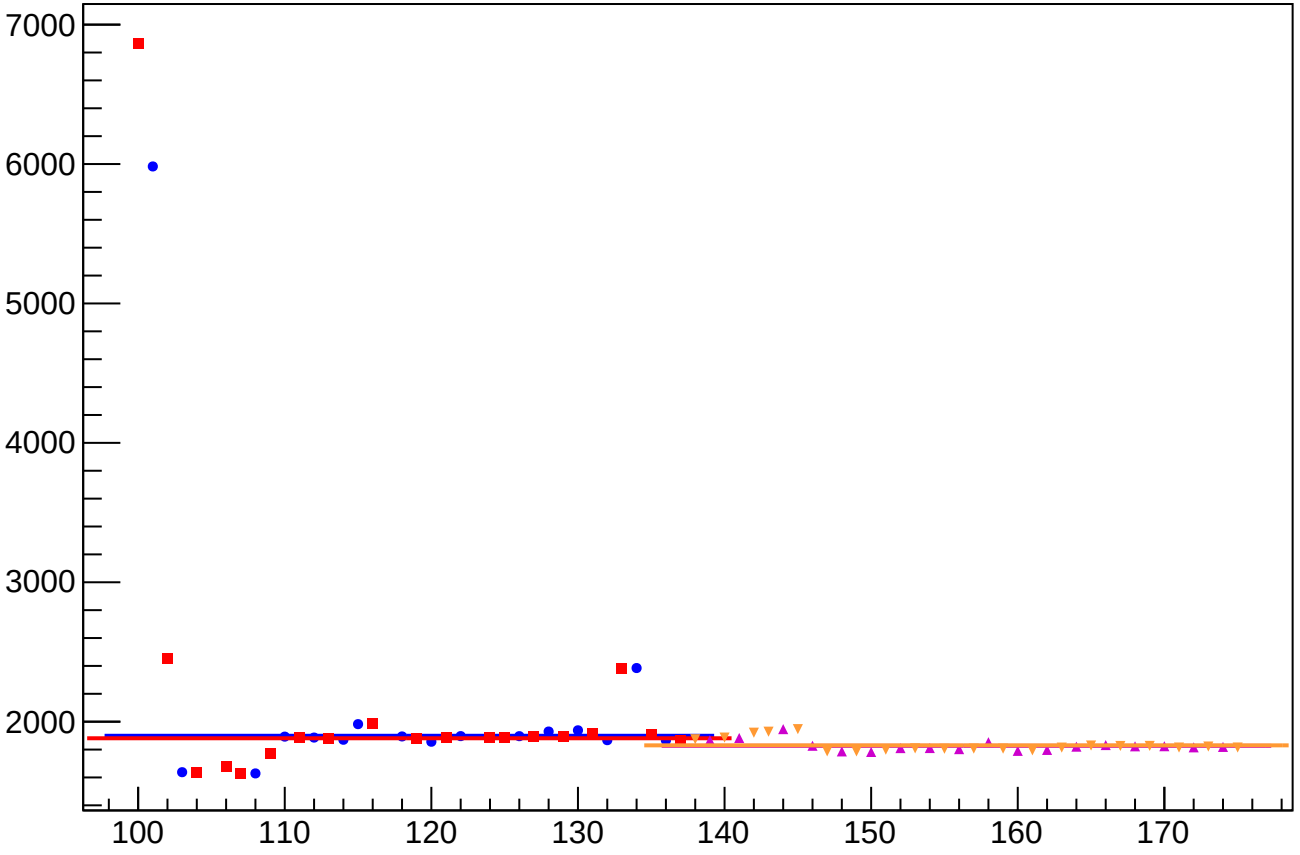
Left In: 574.486+/-473.579 χ^2/NDF:15.9/17

+ sign 265.930+/-387.804 χ^2/NDF: 47.1/35

All: 281.268+/-275.994 χ^2/NDF: 73.9/72

- sign 297.010+/-392.874 χ^2/NDF: 26.8/36

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1830.216+/-0.325 χ^2/NDF:18986.0/19

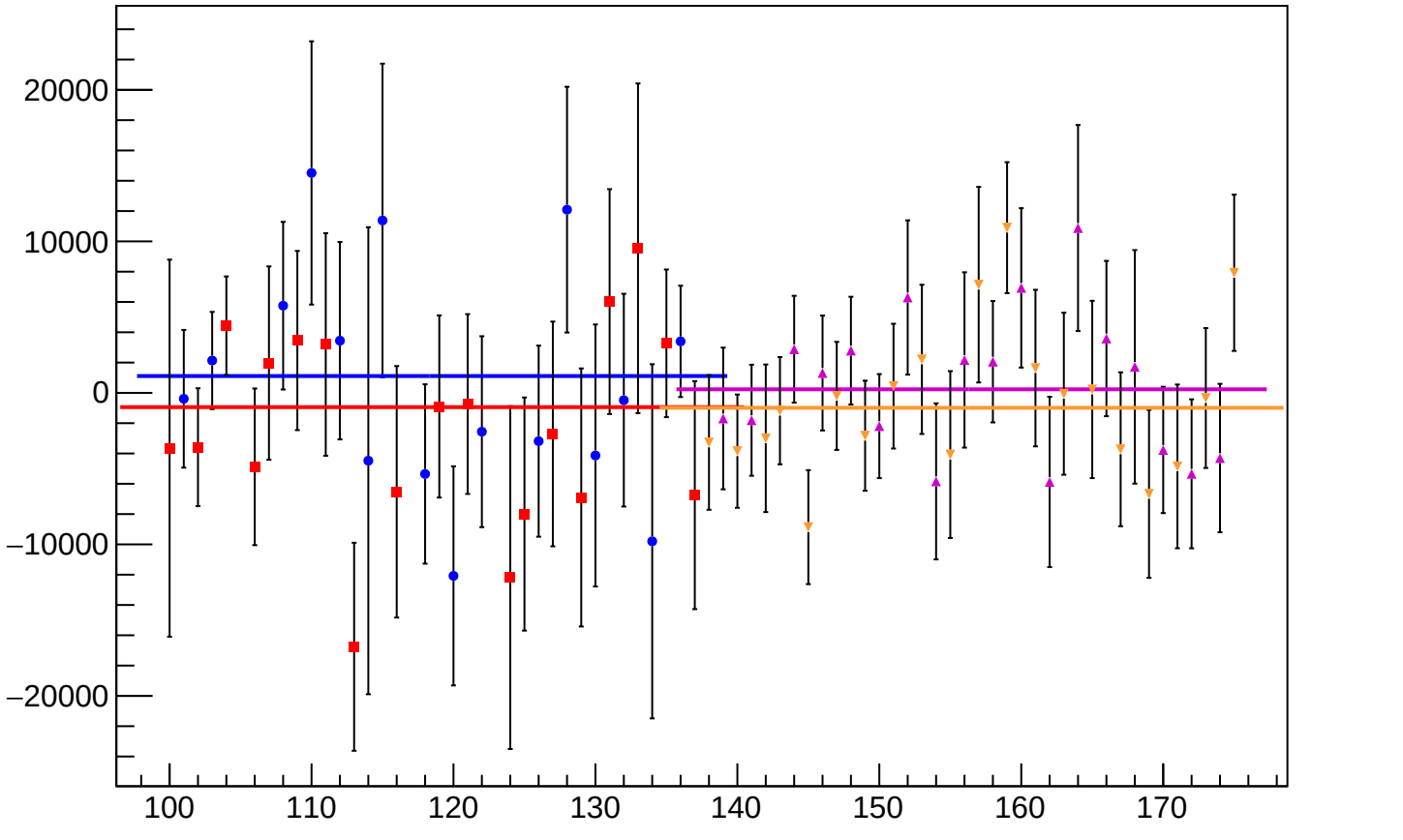
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.581+/-0.335 χ^2/NDF:13253.1/17

+ sign 1849.948+/-0.274 χ^2/NDF: 729326.2/35

All: 1846.807+/-0.195 χ^2/NDF: 967662.8/72

- sign 1843.587+/-0.278 χ^2/NDF: 238070.9/36



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -985.986+/-1014.363 χ^2/NDF:20.9/19

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

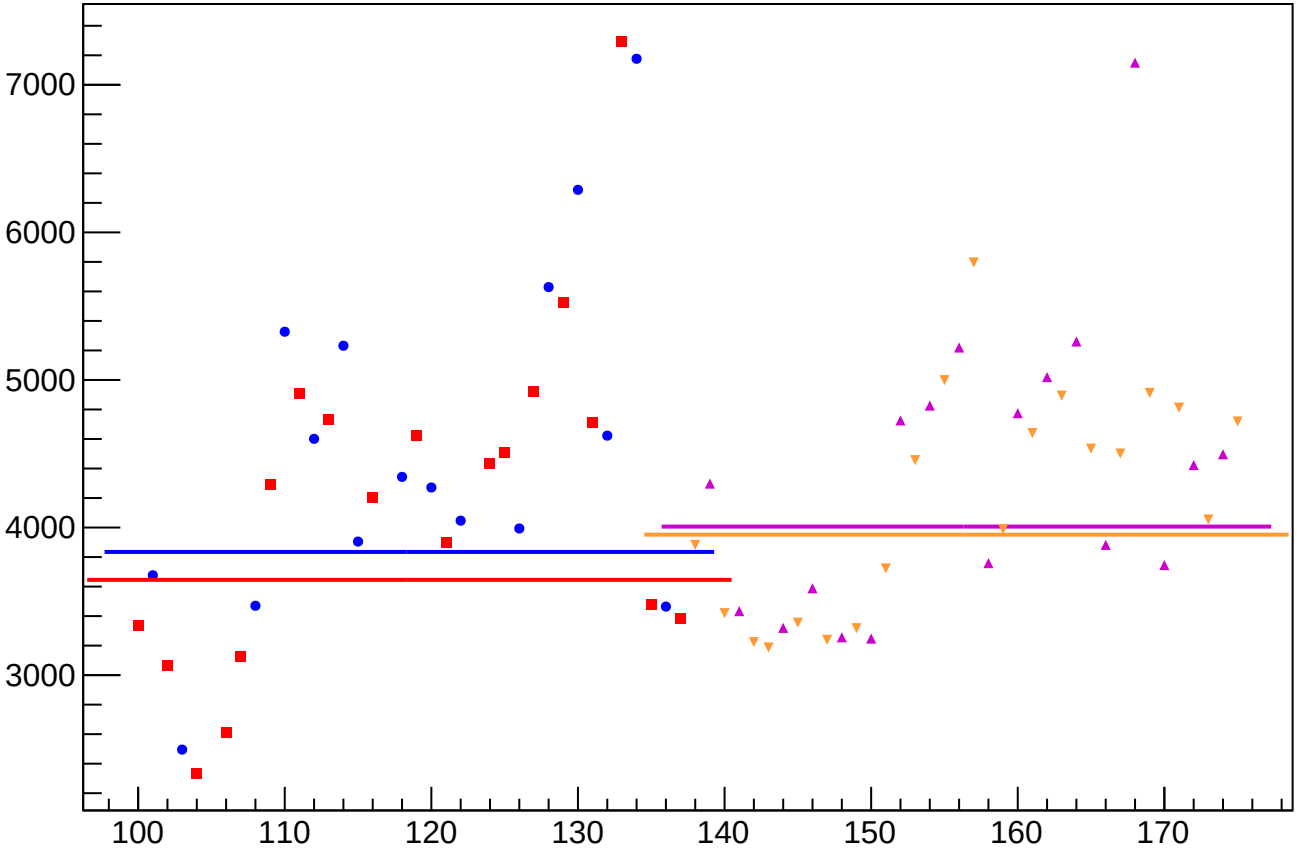
Left In: 235.341+/-1061.338 χ^2/NDF:14.1/17

\+ sign -315.251+/-836.603 χ^2/NDF: 35.7/35

All: -255.403+/-594.705 χ^2/NDF: 66.4/72

\- sign -194.268+/-845.549 χ^2/NDF: 30.7/36

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3951.882+/-0.717 χ^2/NDF:929963.7/19

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

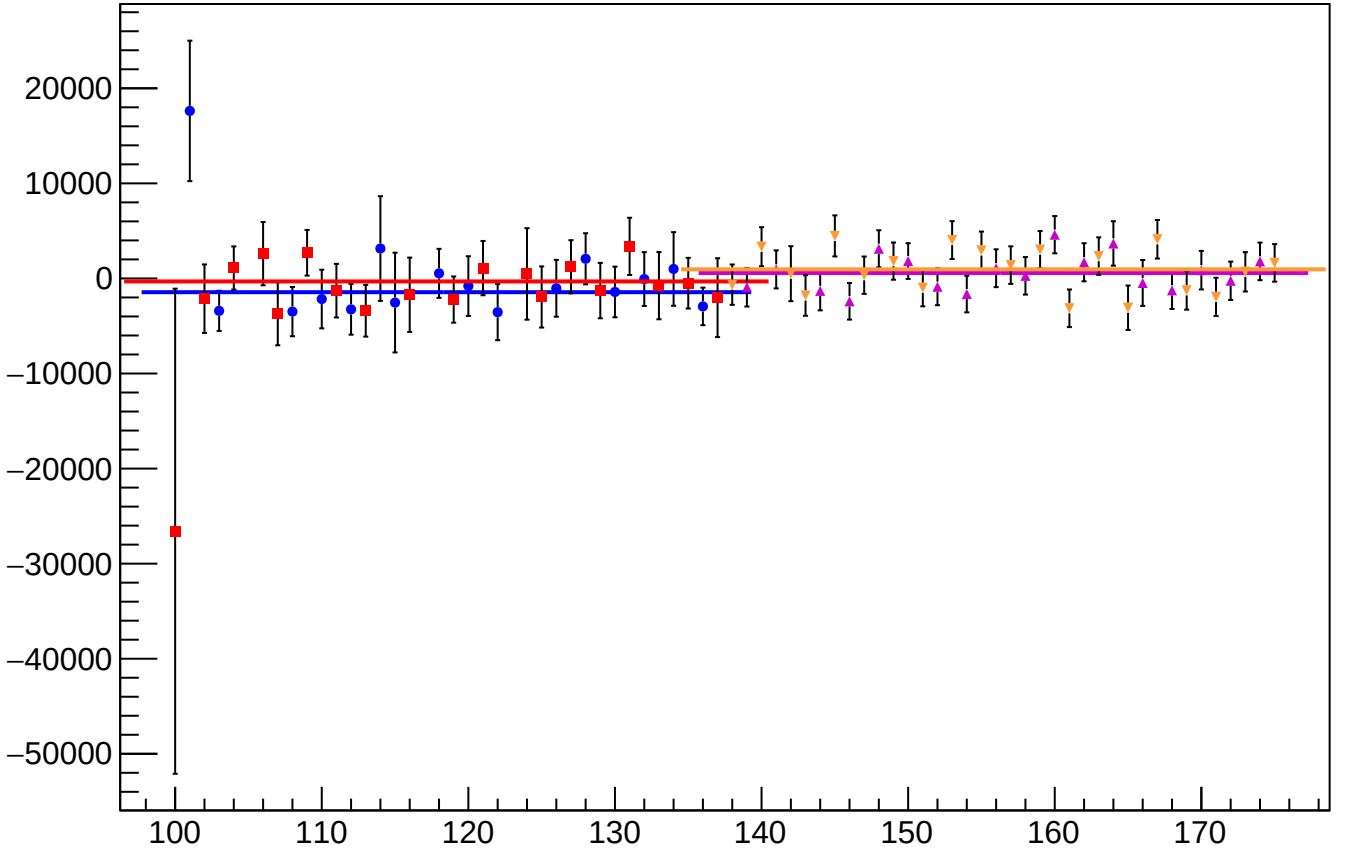
Left In: 4006.468+/-0.750 χ^2/NDF:1081836.5/17

+ sign 3914.406+/-0.592 χ^2/NDF: 1894812.4/35

All: 3894.753+/-0.421 χ^2/NDF: 4188282.9/72

- sign 3874.677+/-0.598 χ^2/NDF: 2291239.3/36

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 957.402+/-459.461 χ^2/NDF:25.7/19

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

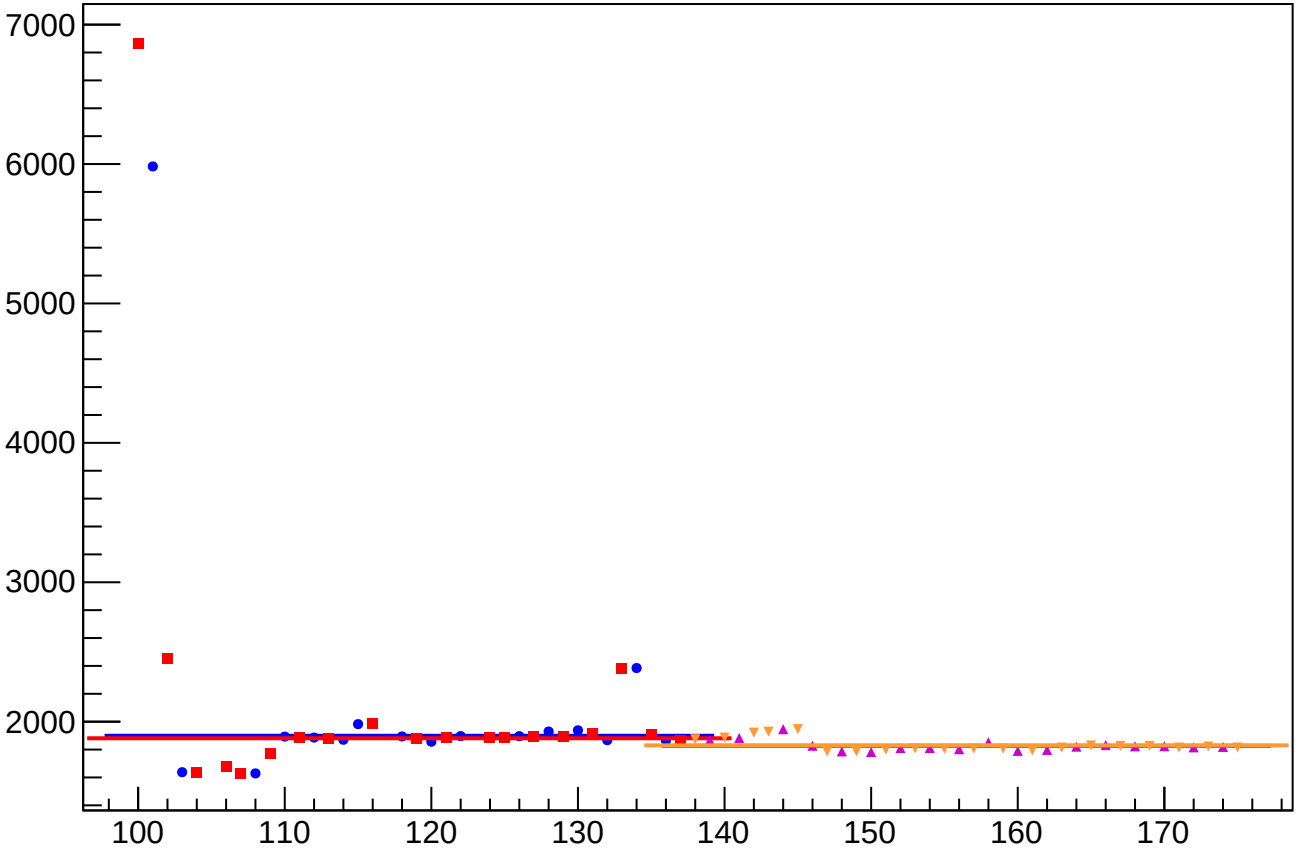
Left In: 574.486+/-473.579 χ^2/NDF:15.9/17

+ sign 265.930+/-387.804 χ^2/NDF: 47.1/35

All: 281.268+/-275.994 χ^2/NDF: 73.9/72

- sign 297.010+/-392.874 χ^2/NDF: 26.8/36

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1830.216+/-0.325 χ^2/NDF:18986.0/19

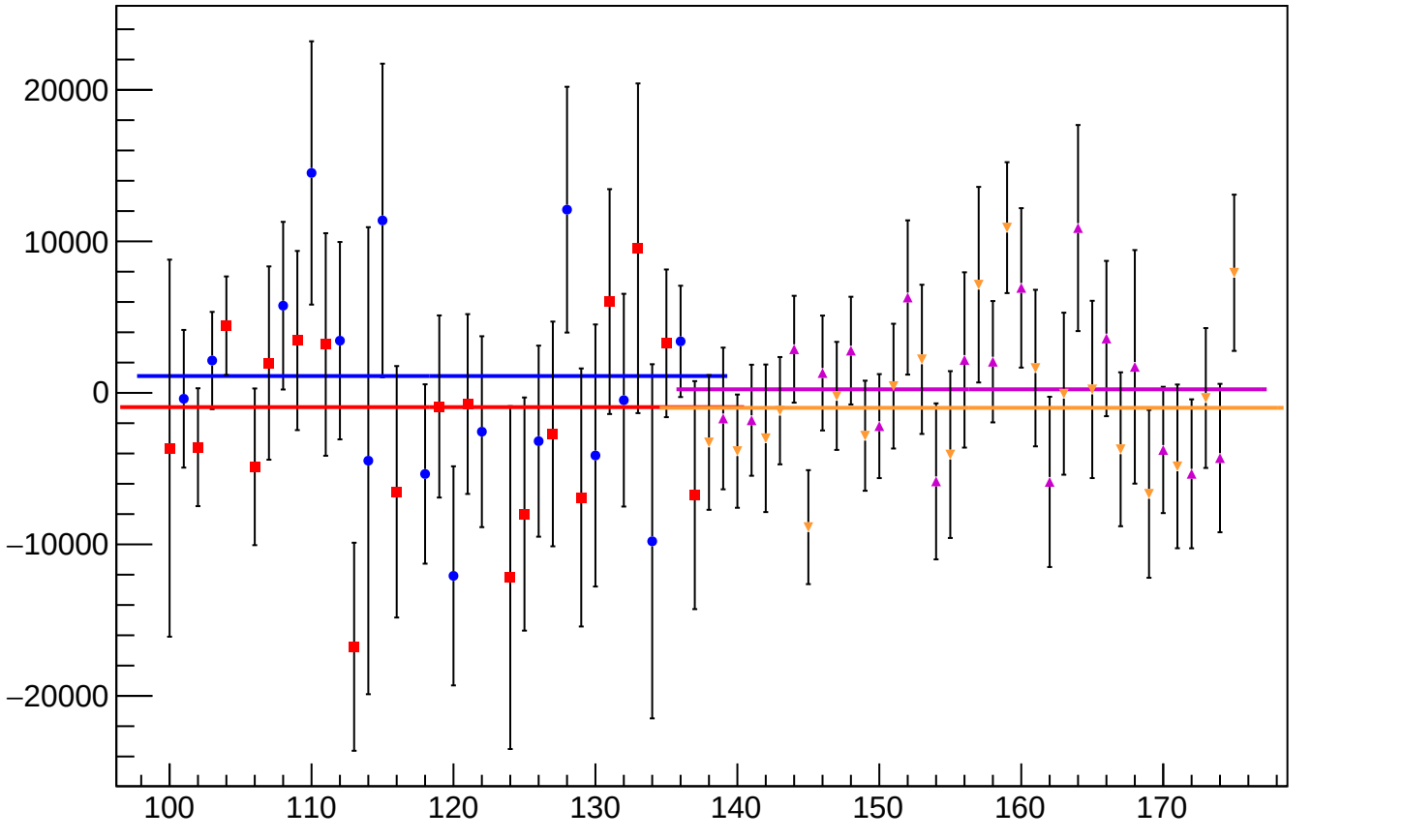
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.581+/-0.335 χ^2/NDF:13253.1/17

+ sign 1849.948+/-0.274 χ^2/NDF: 729326.2/35

All: 1846.807+/-0.195 χ^2/NDF: 967662.8/72

- sign 1843.587+/-0.278 χ^2/NDF: 238070.9/36



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -985.986+/-1014.363 χ^2/NDF:20.9/19

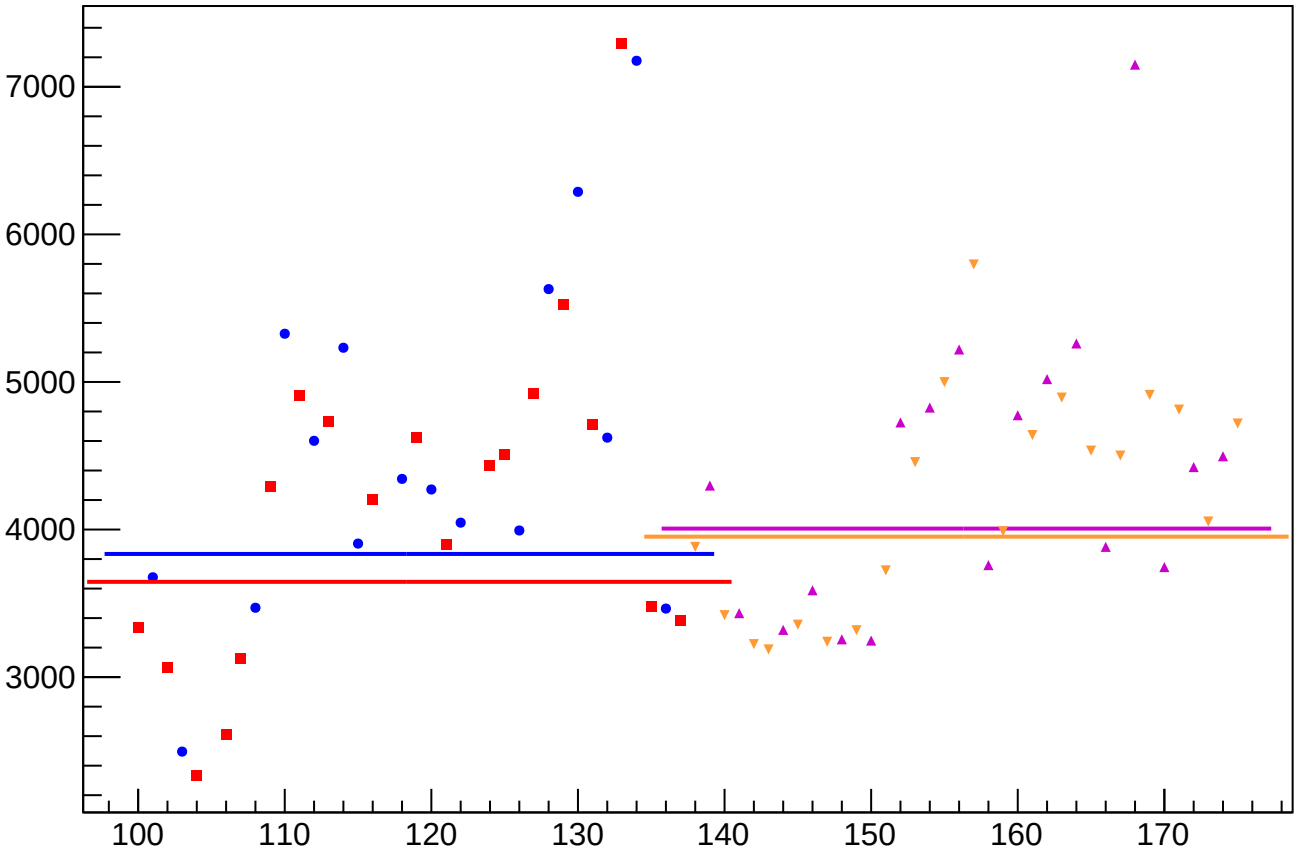
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 235.341+/-1061.338 χ^2/NDF:14.1/17

+ sign -315.251+/-836.603 χ^2/NDF: 35.7/35

All: -255.403+/-594.705 χ^2/NDF: 66.4/72

- sign -194.268+/-845.549 χ^2/NDF: 30.7/36



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3951.882+/-0.717 χ^2/NDF:929963.7/19

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

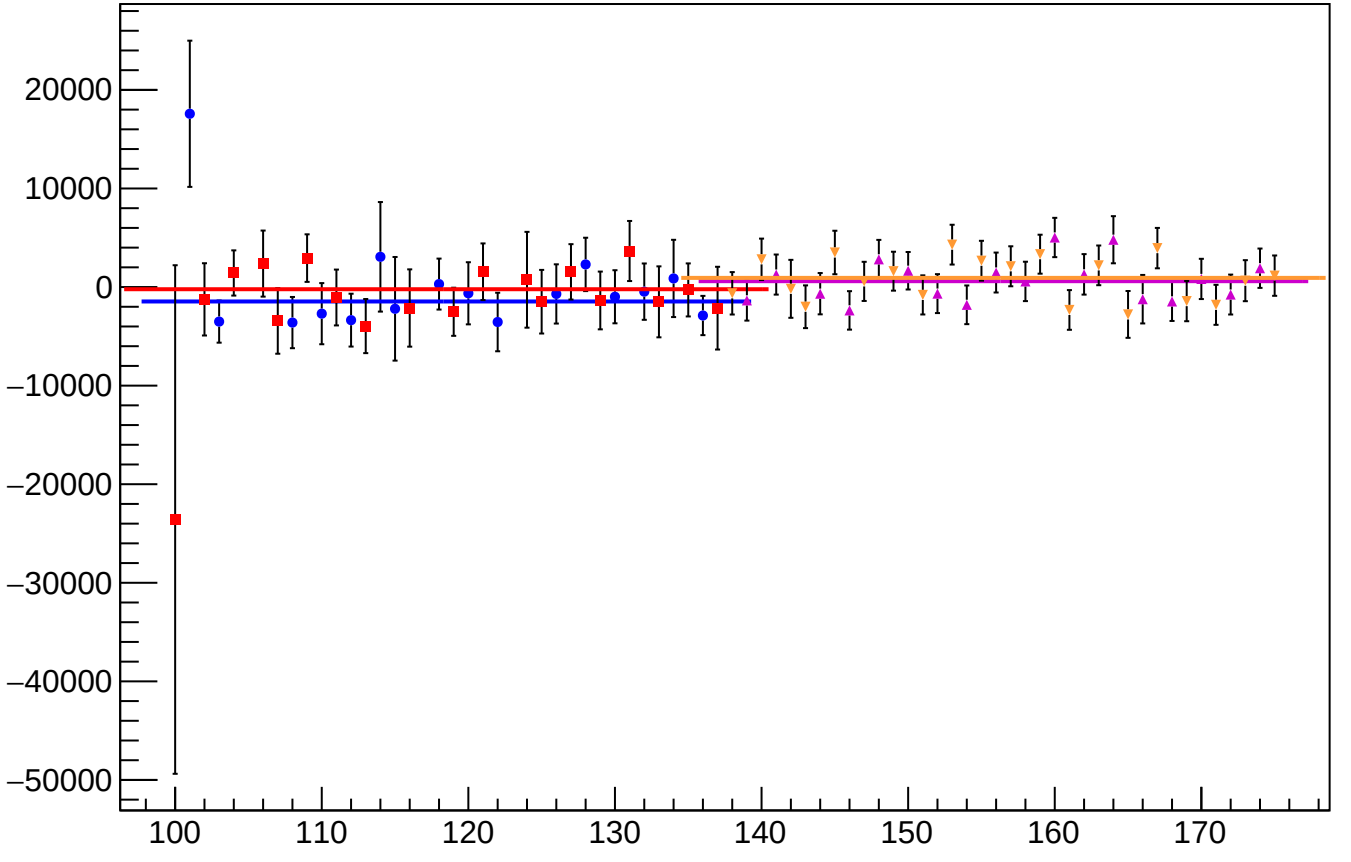
Left In: 4006.468+/-0.750 χ^2/NDF:1081836.5/17

+ sign 3914.406+/-0.592 χ^2/NDF: 1894812.4/35

All: 3894.753+/-0.421 χ^2/NDF: 4188282.9/72

- sign 3874.677+/-0.598 χ^2/NDF: 2291239.3/36

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 930.098+/-466.706 χ^2/NDF:21.7/19

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

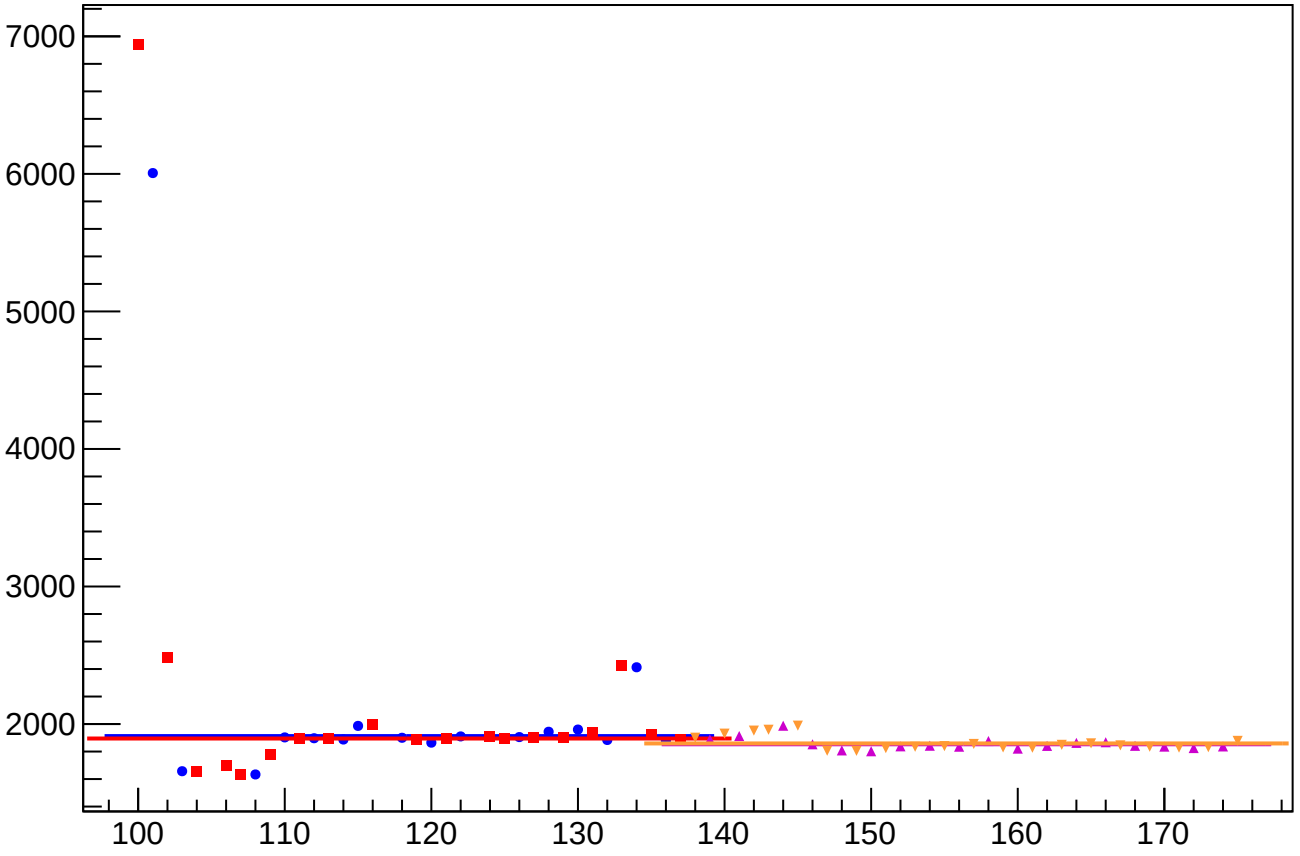
Left In: 595.694+/-480.397 χ^2/NDF:18.0/17

+ sign 233.526+/-392.944 χ^2/NDF: 42.9/35

All: 285.657+/-279.511 χ^2/NDF: 72.7/72

- sign 339.051+/-397.676 χ^2/NDF: 29.7/36

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1858.924+/-0.330 χ^2/NDF:22448.4/19

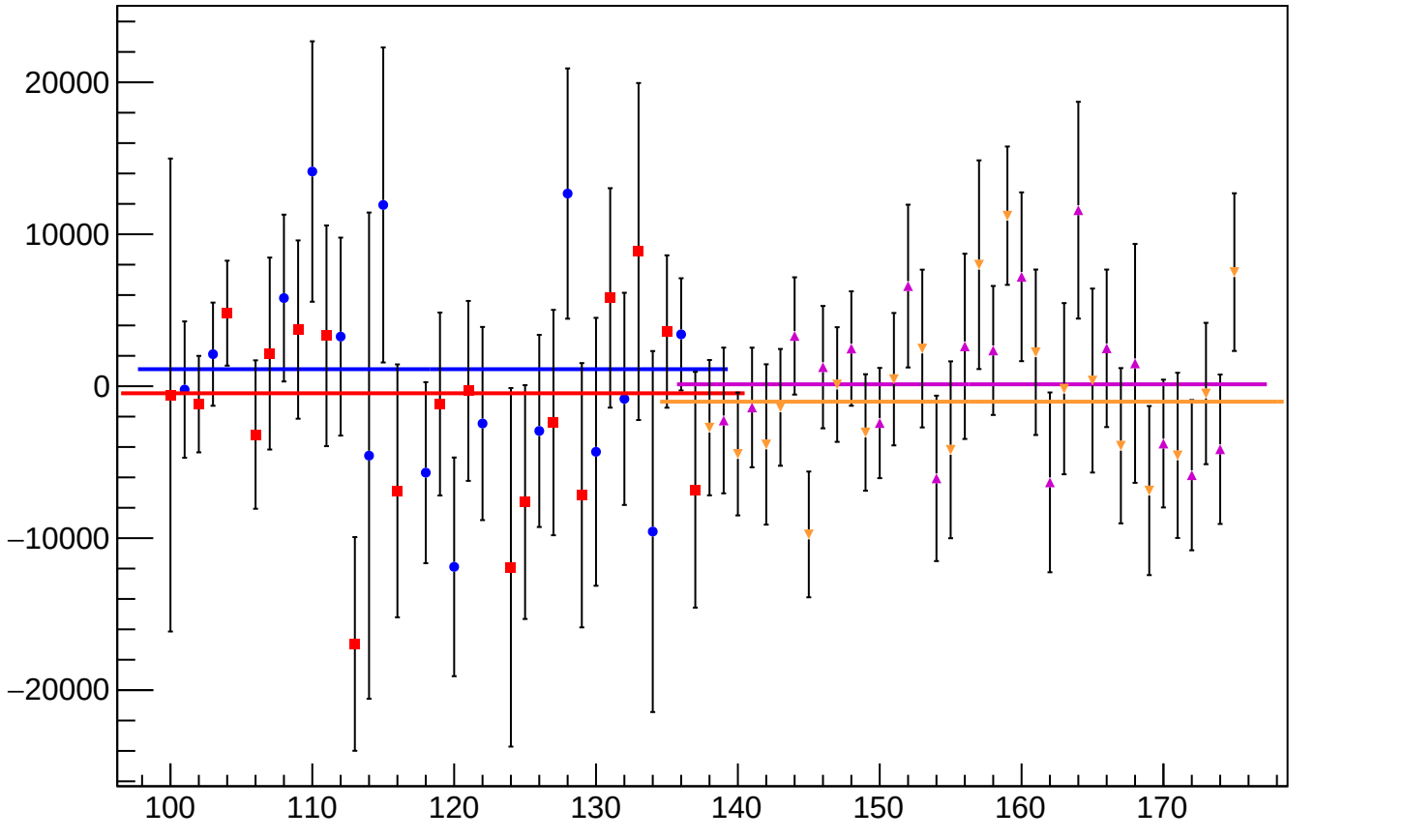
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1852.781+/-0.340 χ^2/NDF:15058.0/17

+ sign 1874.485+/-0.278 χ^2/NDF: 726306.7/35

All: 1870.299+/-0.198 χ^2/NDF: 966420.4/72

- sign 1866.014+/-0.281 χ^2/NDF: 239654.3/36



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -1016.932+/-1065.295 χ^2/NDF:20.8/19

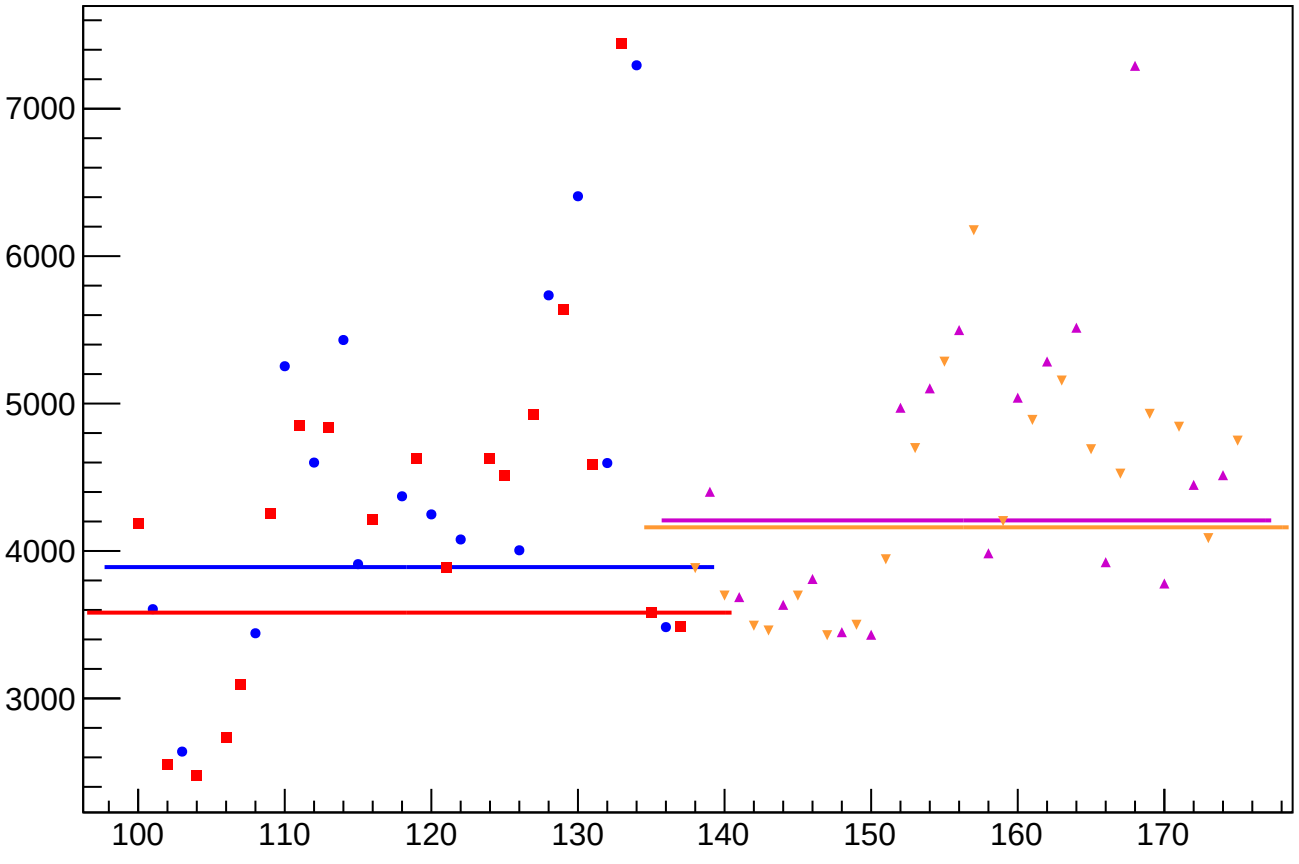
Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: 125.664+/-1112.921 χ^2/NDF:13.9/17

+ sign -298.935+/-868.090 χ^2/NDF: 35.6/35

All: -203.391+/-612.389 χ^2/NDF: 64.7/72

- sign -108.740+/-864.021 χ^2/NDF: 29.1/36



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4160.530+/-0.753 χ^2/NDF:785181.2/19

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

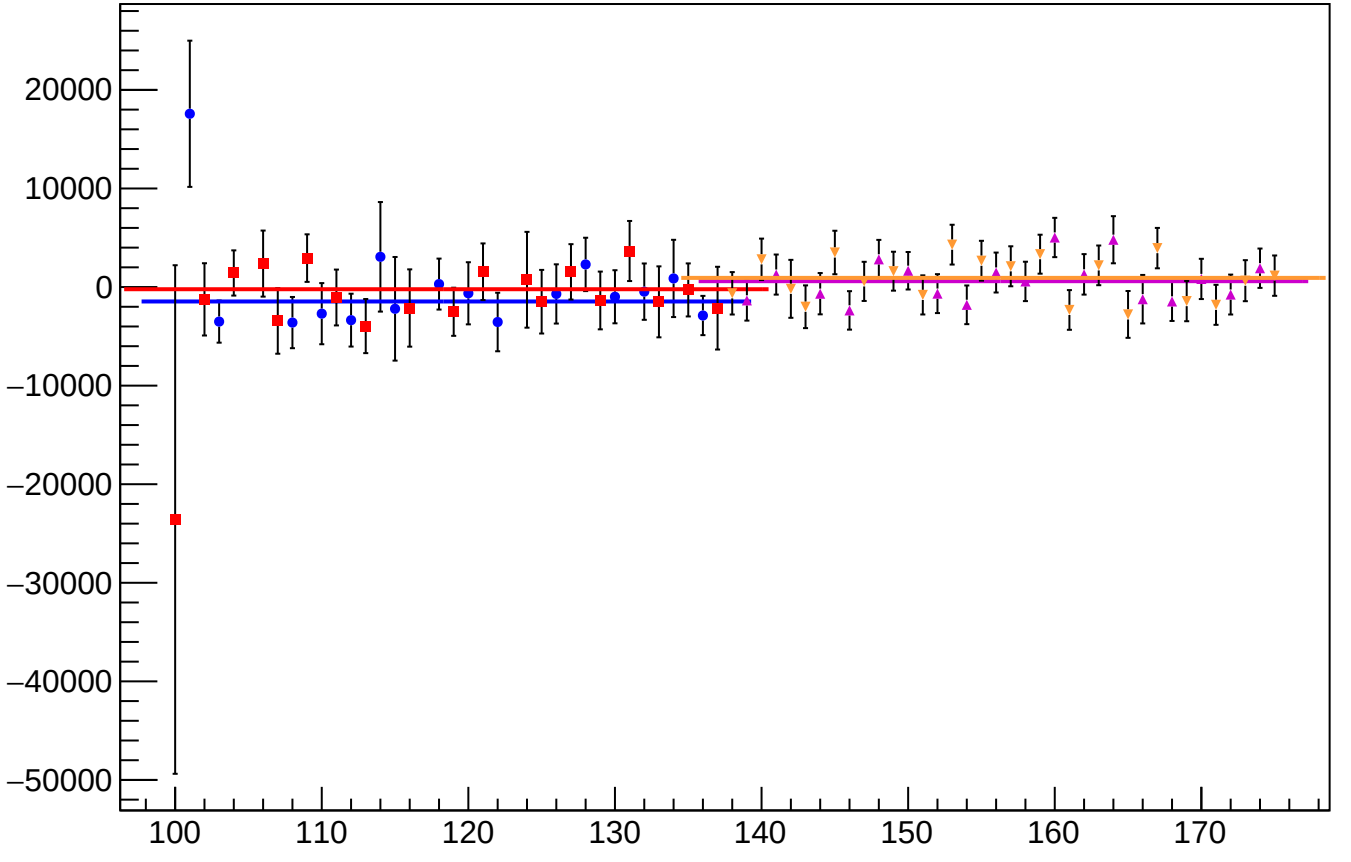
Left In: 4207.401+/-0.787 χ^2/NDF:989999.7/17

+ sign 4069.878+/-0.614 χ^2/NDF: 1706705.6/35

All: 4014.108+/-0.433 χ^2/NDF: 4186074.0/72

- sign 3958.859+/-0.611 χ^2/NDF: 2462935.8/36

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 930.105+/-466.706 χ^2/NDF:21.7/19

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

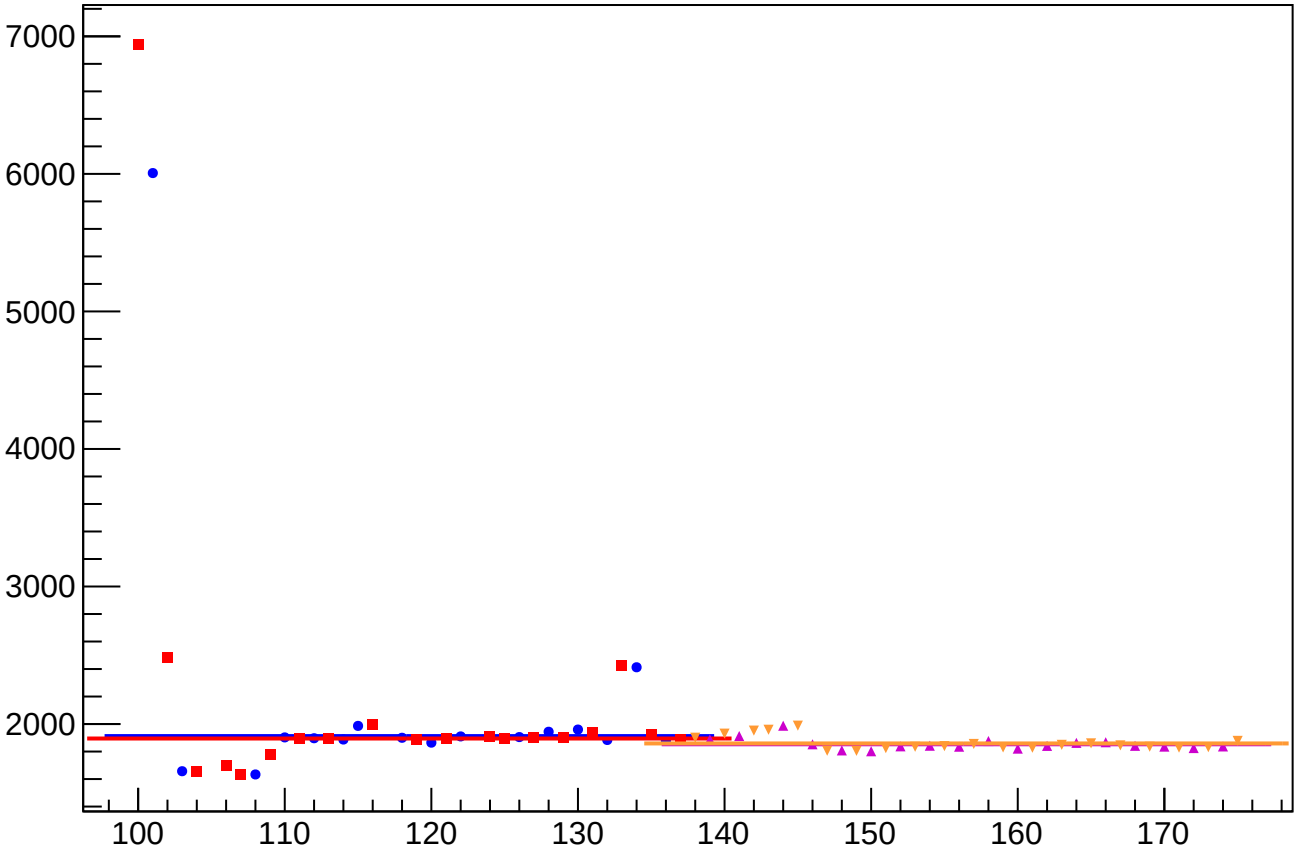
Left In: 595.695+/-480.398 χ^2/NDF:18.0/17

+ sign 233.529+/-392.944 χ^2/NDF: 42.9/35

All: 285.660+/-279.511 χ^2/NDF: 72.7/72

- sign 339.054+/-397.676 χ^2/NDF: 29.7/36

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1858.924+/-0.330 χ^2/NDF:22448.4/19

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

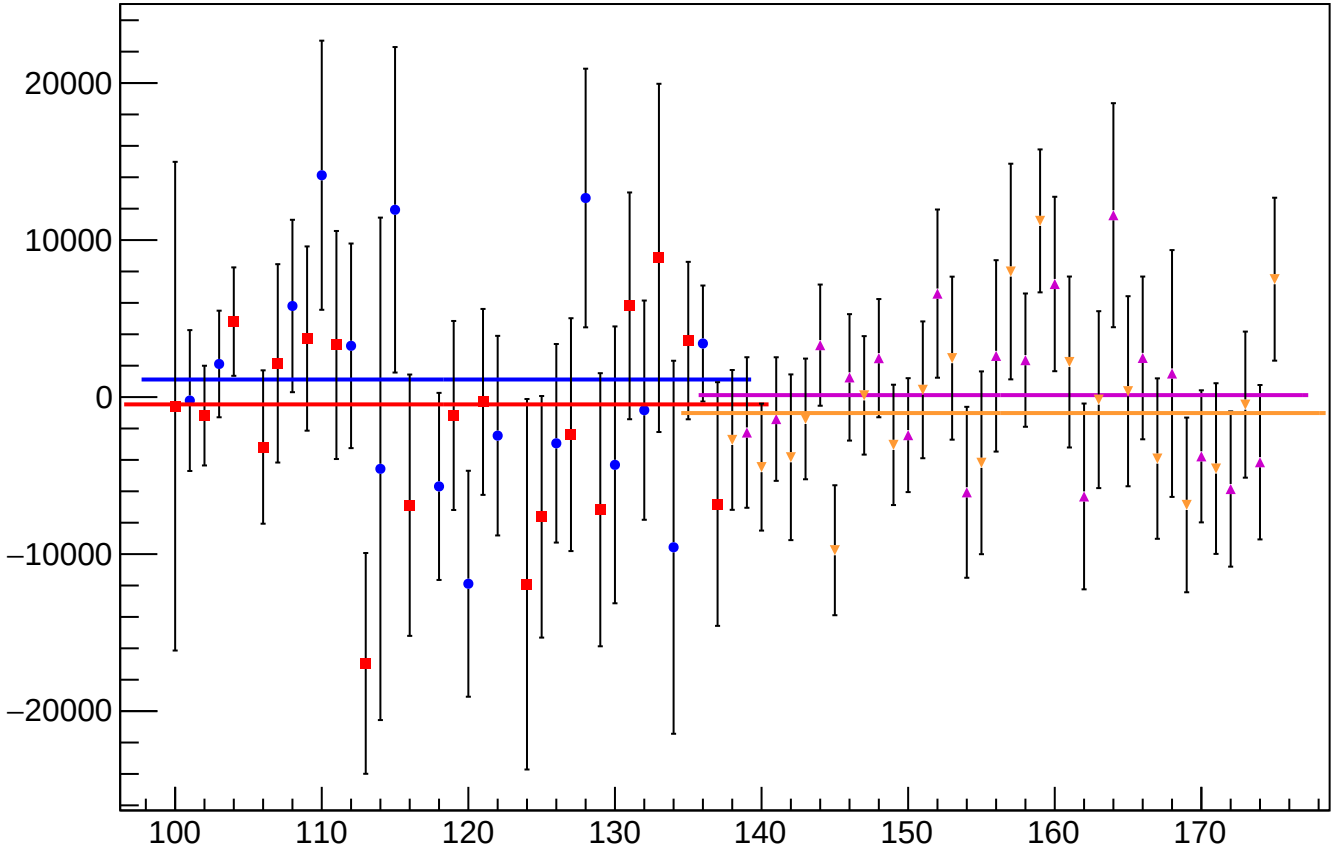
Left In: 1852.781+/-0.340 χ^2/NDF:15057.9/17

+ sign 1874.486+/-0.278 χ^2/NDF: 726306.4/35

All: 1870.299+/-0.198 χ^2/NDF: 966419.8/72

- sign 1866.014+/-0.281 χ^2/NDF: 239654.1/36

asym_atr_dd_eigen_dit_correction_mean vs Slug



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1016.931+/-1065.297 χ^2/NDF:20.8/19

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

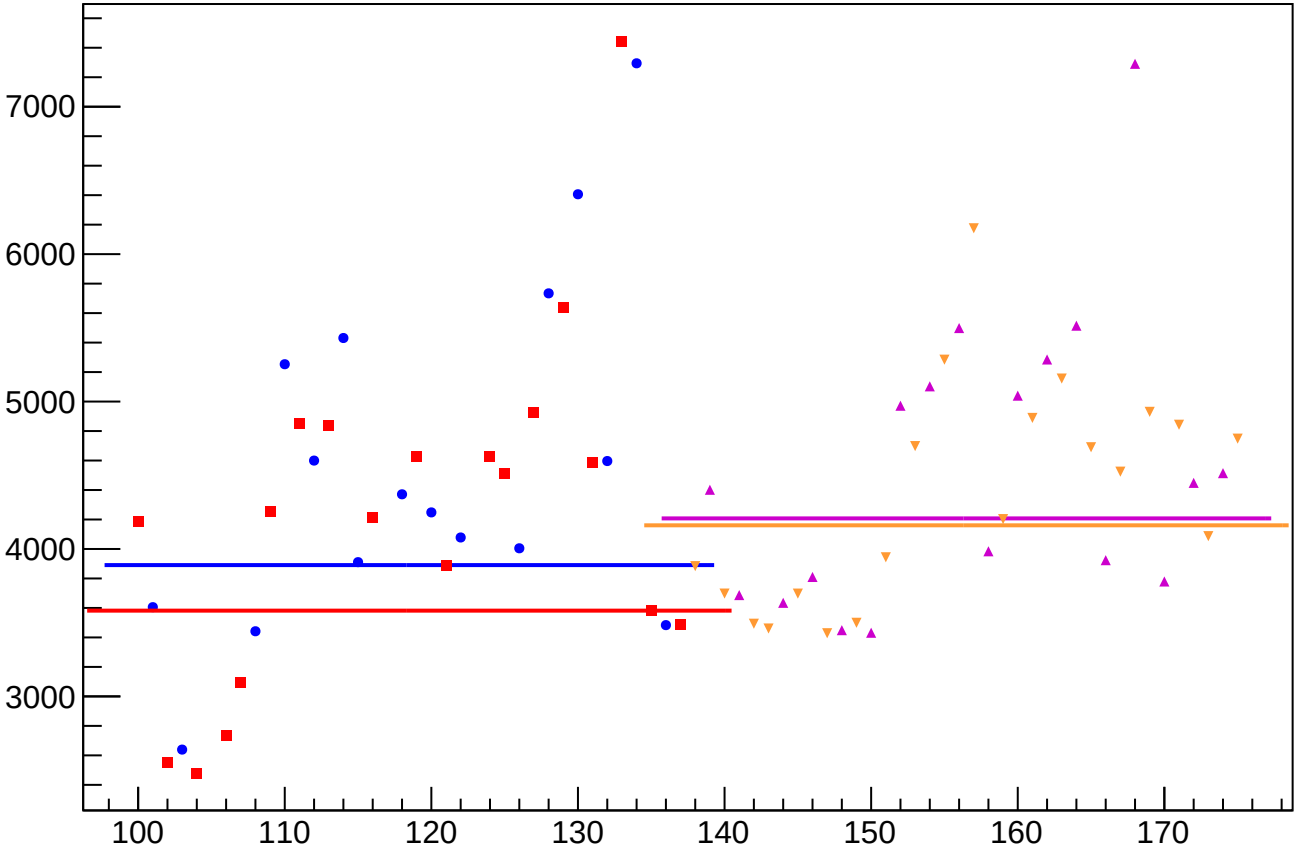
Left In: 125.662+/-1112.922 χ^2/NDF:13.9/17

+ sign -298.937+/-868.090 χ^2/NDF: 35.6/35

All: -203.392+/-612.389 χ^2/NDF: 64.7/72

- sign -108.742+/-864.022 χ^2/NDF: 29.1/36

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4160.536+/-0.753 χ^2/NDF:785181.6/19

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

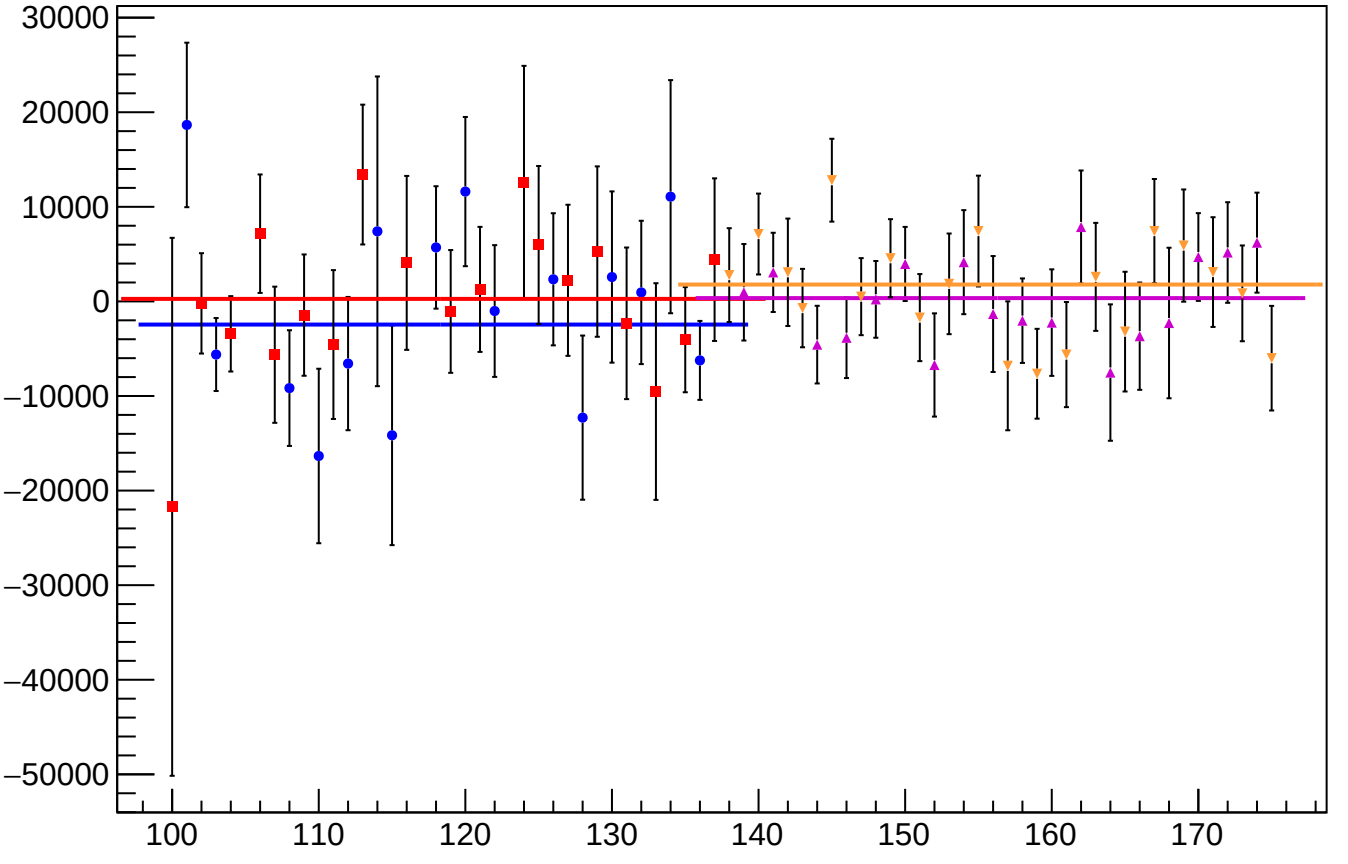
Left In: 4207.407+/-0.787 χ^2/NDF:990002.3/17

+ sign 4069.882+/-0.614 χ^2/NDF: 1706700.1/35

All: 4014.110+/-0.433 χ^2/NDF: 4186070.1/72

- sign 3958.860+/-0.611 χ^2/NDF: 2462937.0/36

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1784.233+/-1129.350 χ^2/NDF:22.0/19

Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

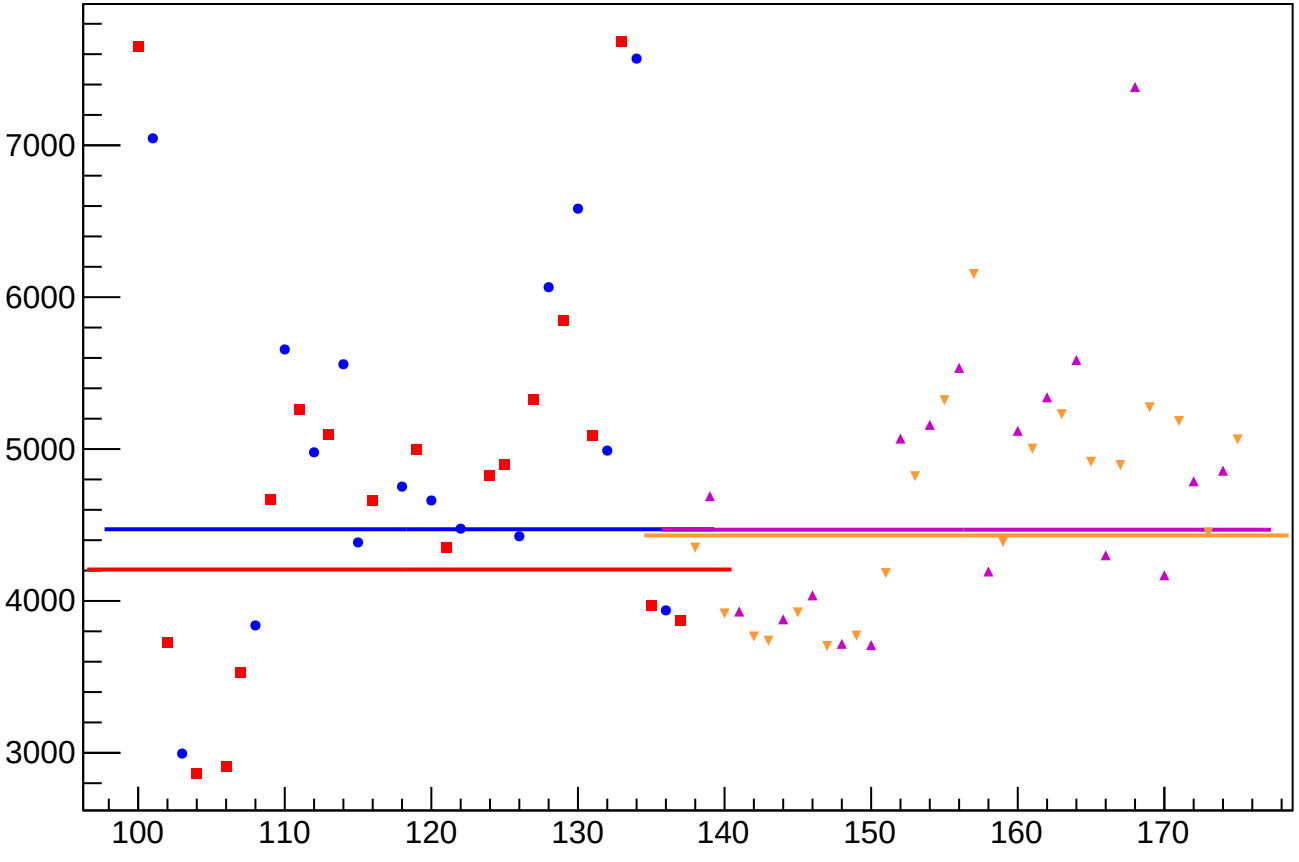
Left In: 348.716+/-1176.519 χ^2/NDF:12.7/17

\+ sign 508.886+/-943.989 χ^2/NDF: 47.1/35

All: 415.375+/-670.483 χ^2/NDF: 70.5/72

\- sign 320.174+/-952.479 χ^2/NDF: 23.4/36

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4431.163+/-0.799 χ^2/NDF:631407.1/19

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

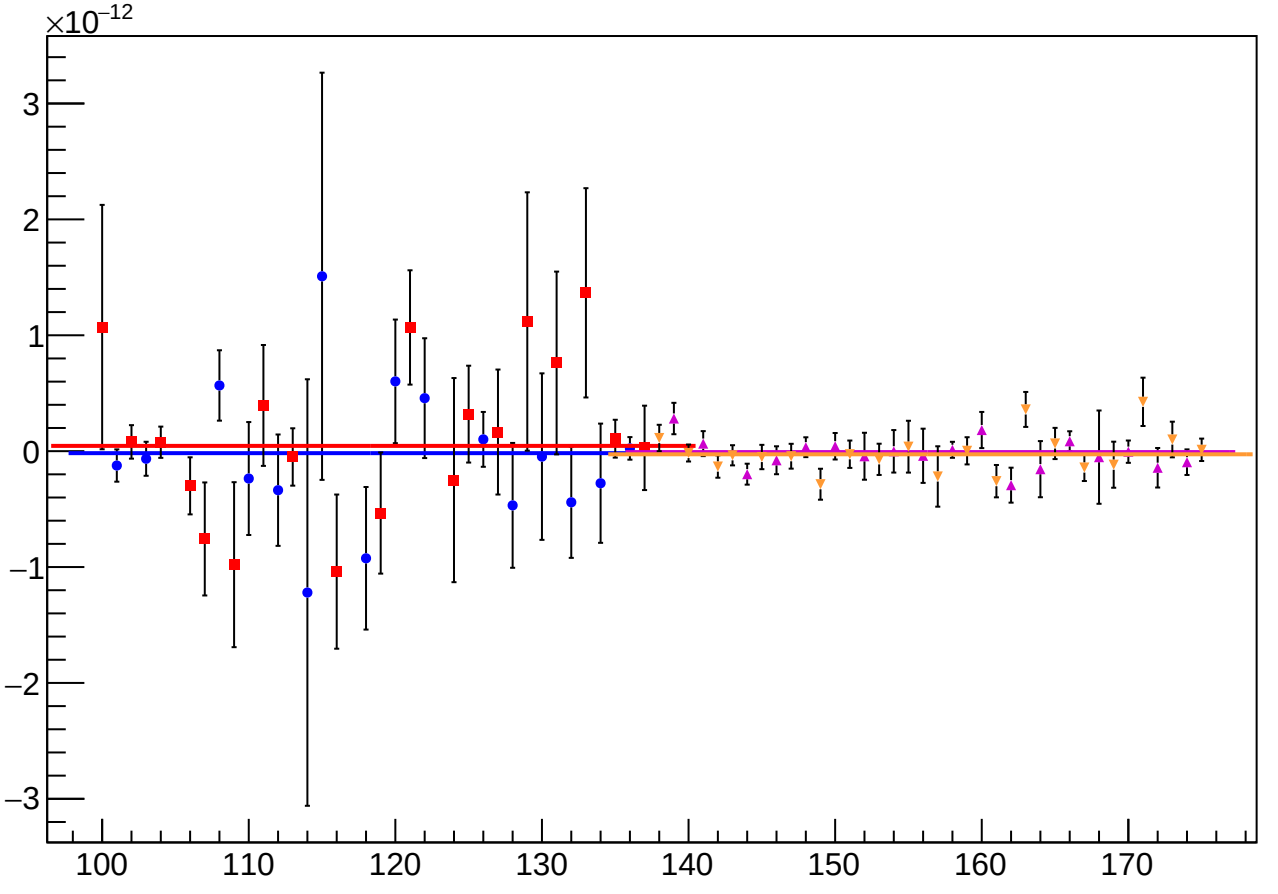
Left In: 4468.941+/-0.832 χ^2/NDF:780209.8/17

+ sign 4443.439+/-0.668 χ^2/NDF: 1523869.8/35

All: 4410.758+/-0.473 χ^2/NDF: 3189982.7/72

- sign 4377.675+/-0.672 χ^2/NDF: 1661289.1/36

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

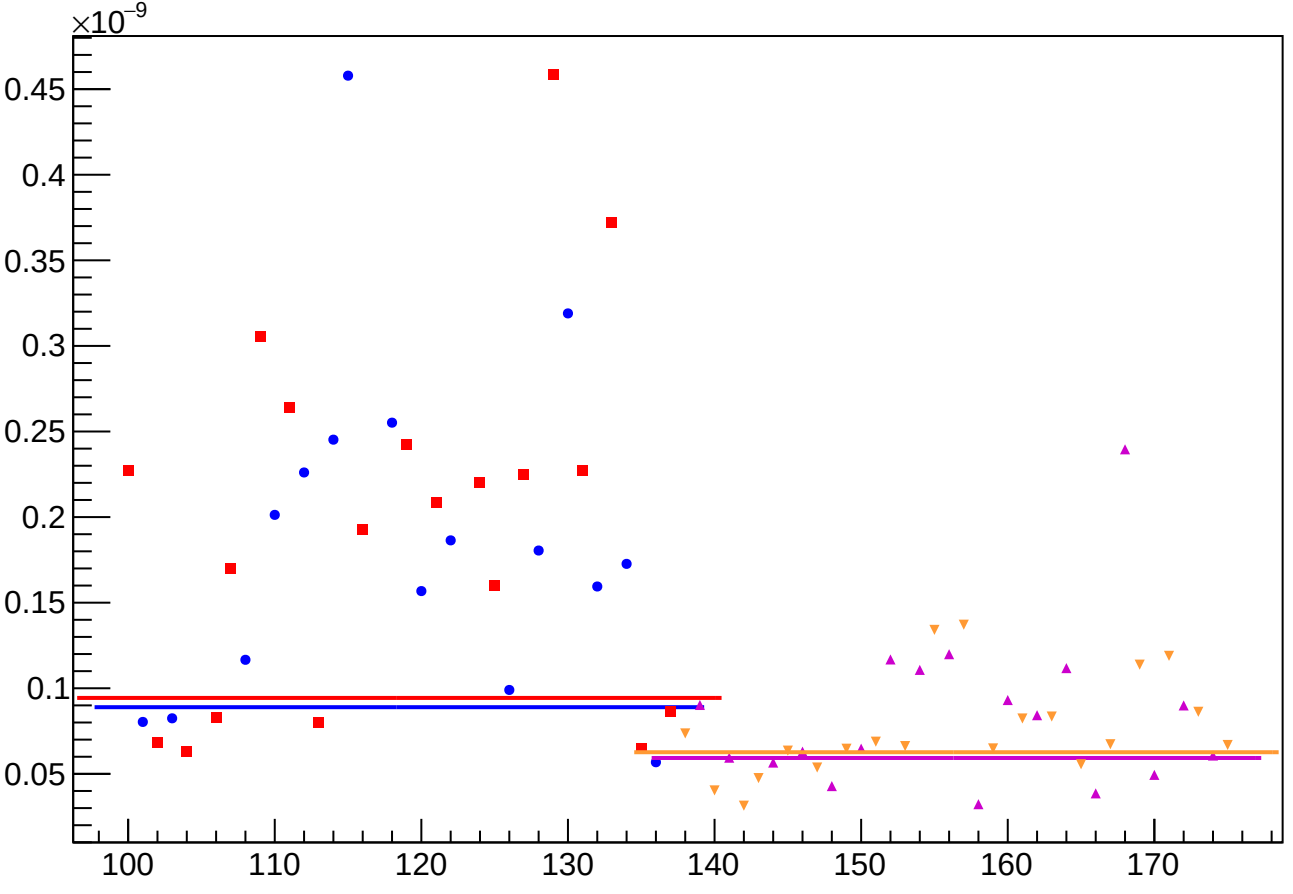
Left In: -0.000+/-0.000 χ^2/NDF:18.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 36.7/35

All: -0.000+/-0.000 χ^2/NDF: 77.2/72

- sign -0.000+/-0.000 χ^2/NDF: 40.0/36

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1280426.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

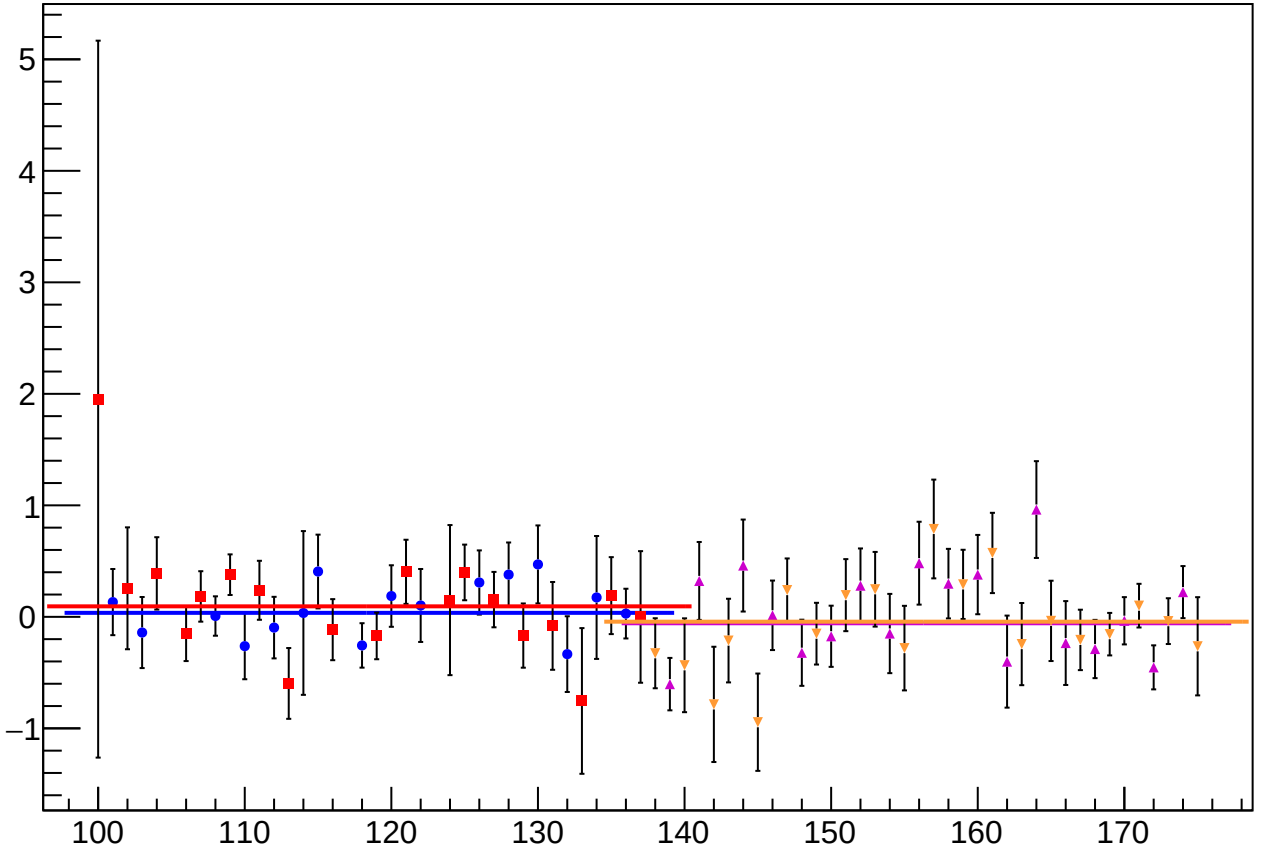
Left In: 0.000+/-0.000 χ^2/NDF:1791651.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 2818690.3/35

All: 0.000+/-0.000 χ^2/NDF: 6770836.0/72

- sign 0.000+/-0.000 χ^2/NDF: 3941825.1/36

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.043+/-0.068 χ^2/NDF:20.5/19

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

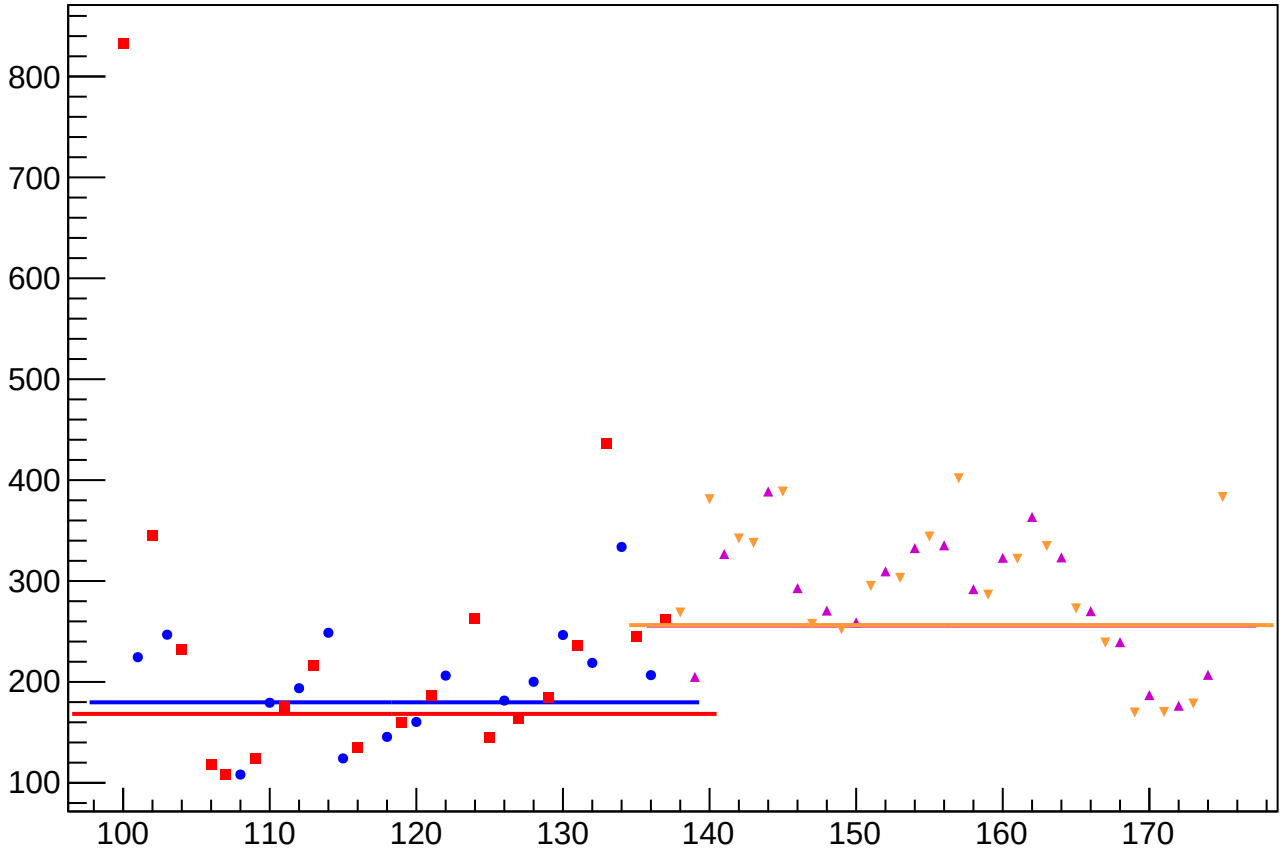
Left In: -0.058+/-0.069 χ^2/NDF:27.8/17

+ sign -0.005+/-0.049 χ^2/NDF: 31.6/35

All: 0.008+/-0.034 χ^2/NDF: 79.7/72

- sign 0.020+/-0.048 χ^2/NDF: 47.9/36

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 256.283+/-0.048 χ^2/NDF:2344838.1/19

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

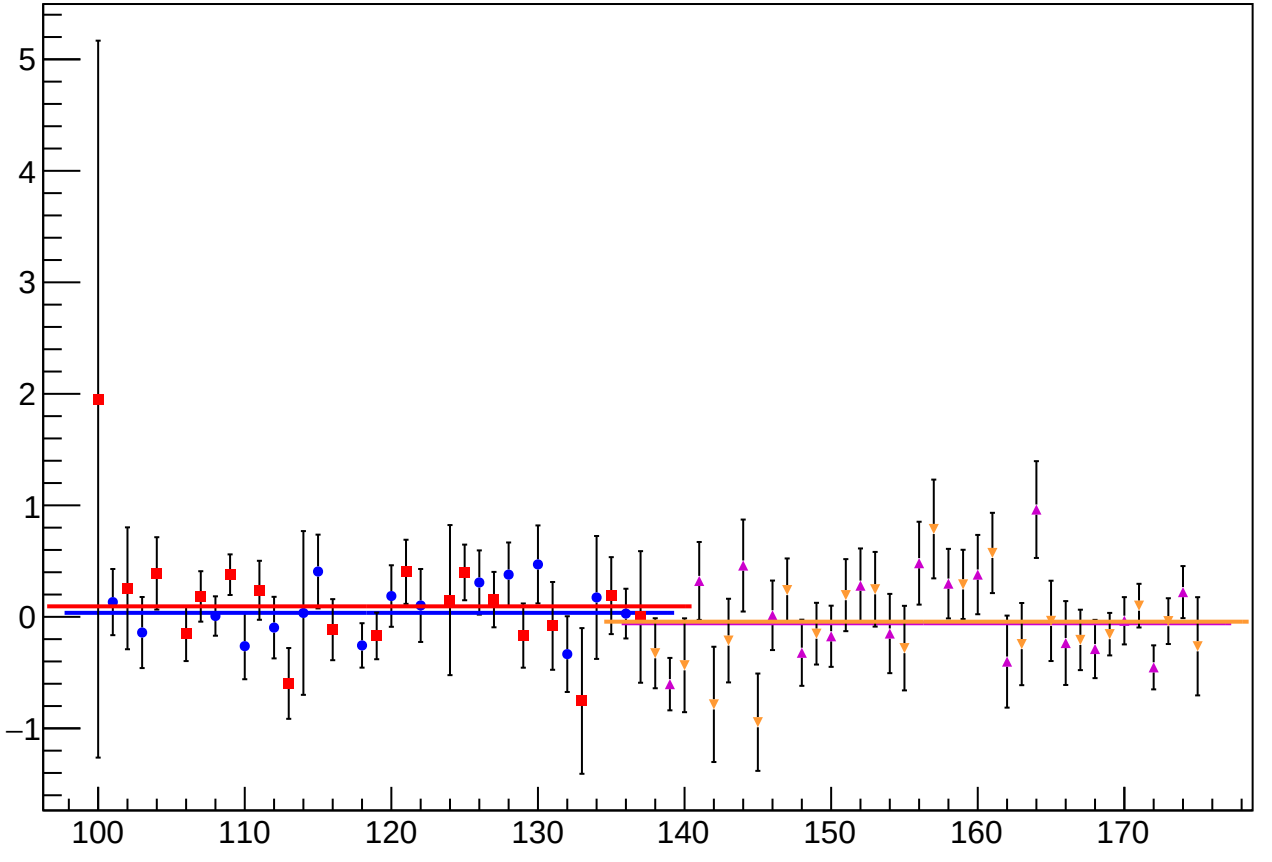
Left In: 255.812+/-0.049 χ^2/NDF:1569577.2/17

+ sign 219.545+/-0.035 χ^2/NDF: 4484043.6/35

All: 215.248+/-0.024 χ^2/NDF: 9126969.9/72

- sign 211.043+/-0.034 χ^2/NDF: 4612385.9/36

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.043+/-0.068 χ^2/NDF:20.5/19

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

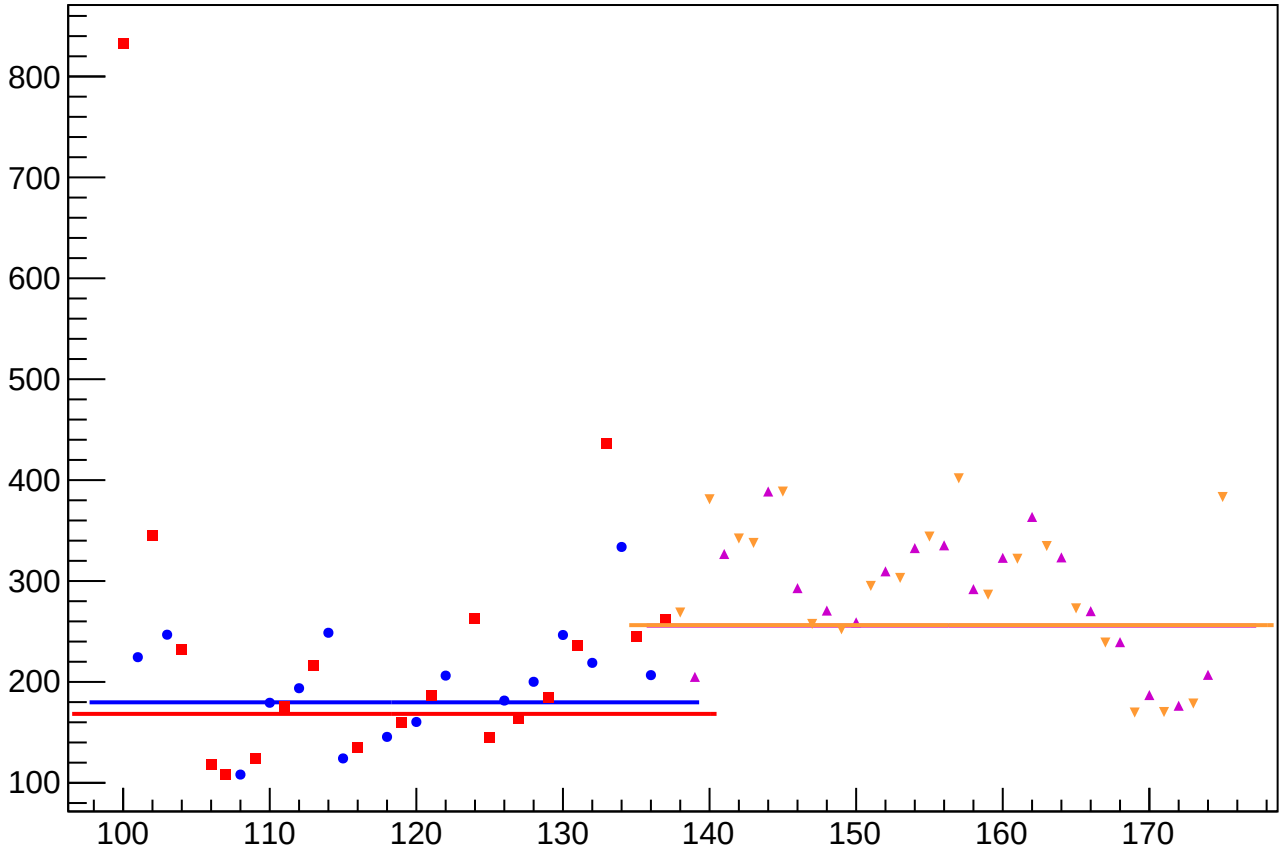
Left In: -0.058+/-0.069 χ^2/NDF:27.8/17

+ sign -0.005+/-0.049 χ^2/NDF: 31.6/35

All: 0.008+/-0.034 χ^2/NDF: 79.7/72

- sign 0.020+/-0.048 χ^2/NDF: 47.9/36

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 256.283+/-0.048 χ^2/NDF:2344838.1/19

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

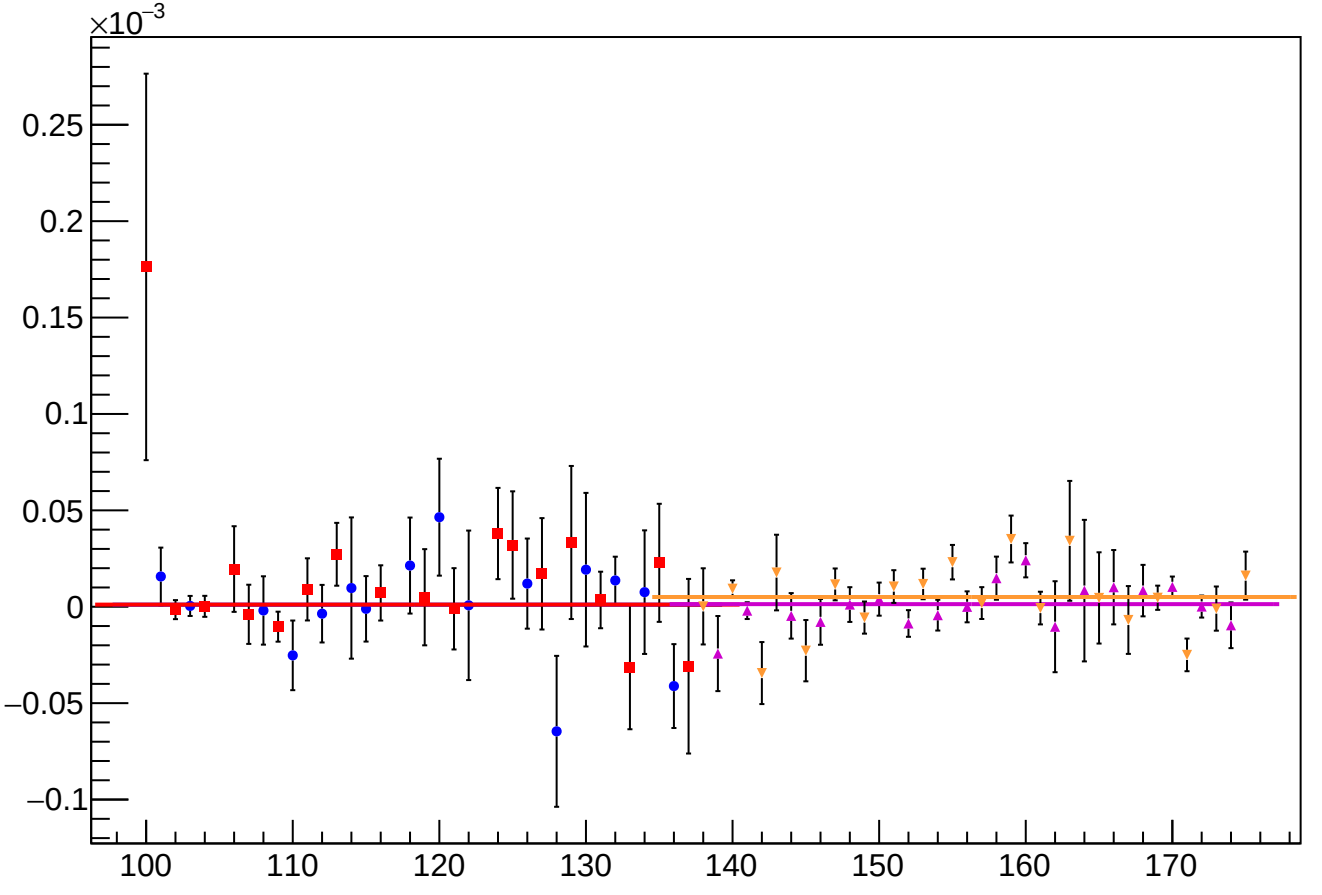
Left In: 255.812+/-0.049 χ^2/NDF:1569577.2/17

+ sign 219.545+/-0.035 χ^2/NDF: 4484043.6/35

All: 215.248+/-0.024 χ^2/NDF: 9126969.9/72

- sign 211.043+/-0.034 χ^2/NDF: 4612385.9/36

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.7/19

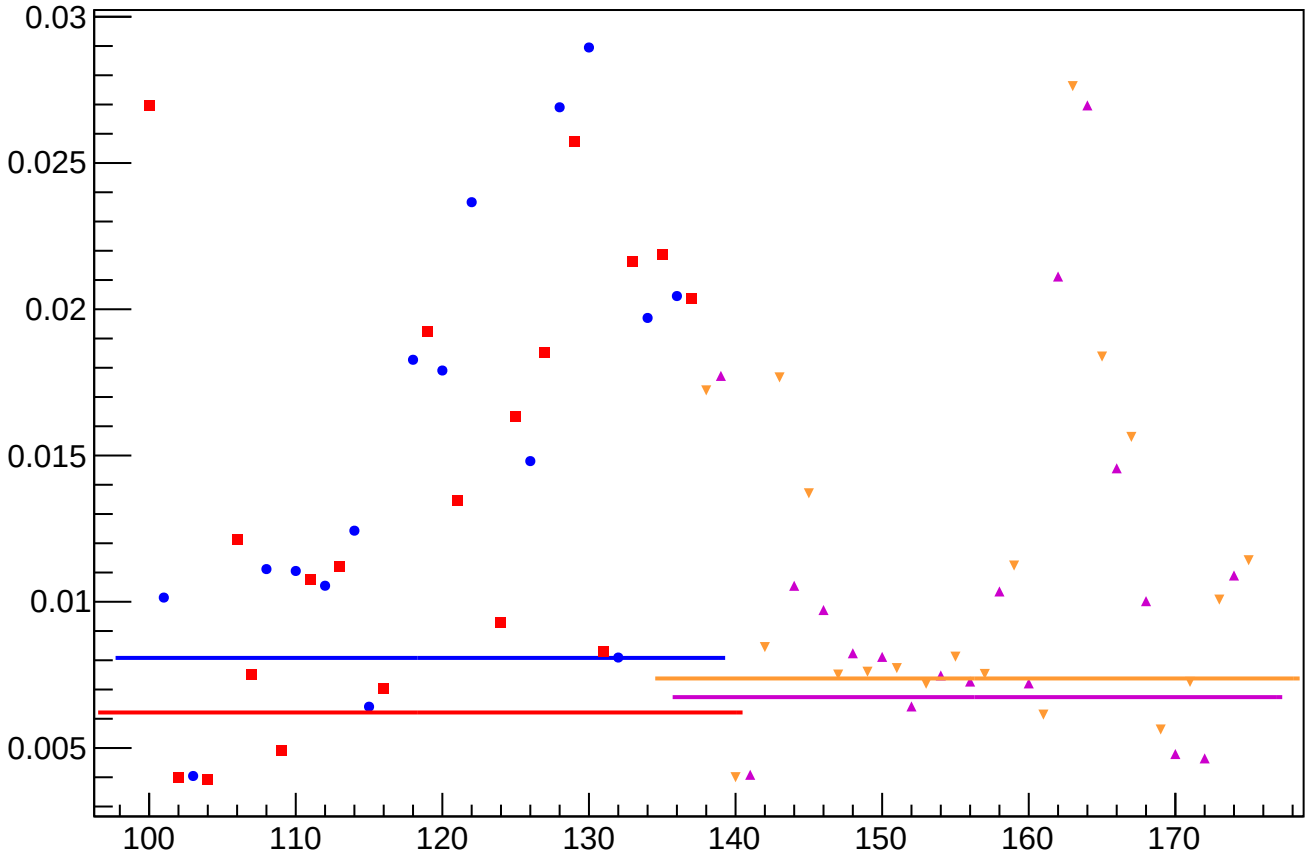
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:18.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 54.9/35

All: 0.000+/-0.000 χ^2/NDF: 90.7/72

- sign 0.000+/-0.000 χ^2/NDF: 34.5/36



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:5032434.5/19

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

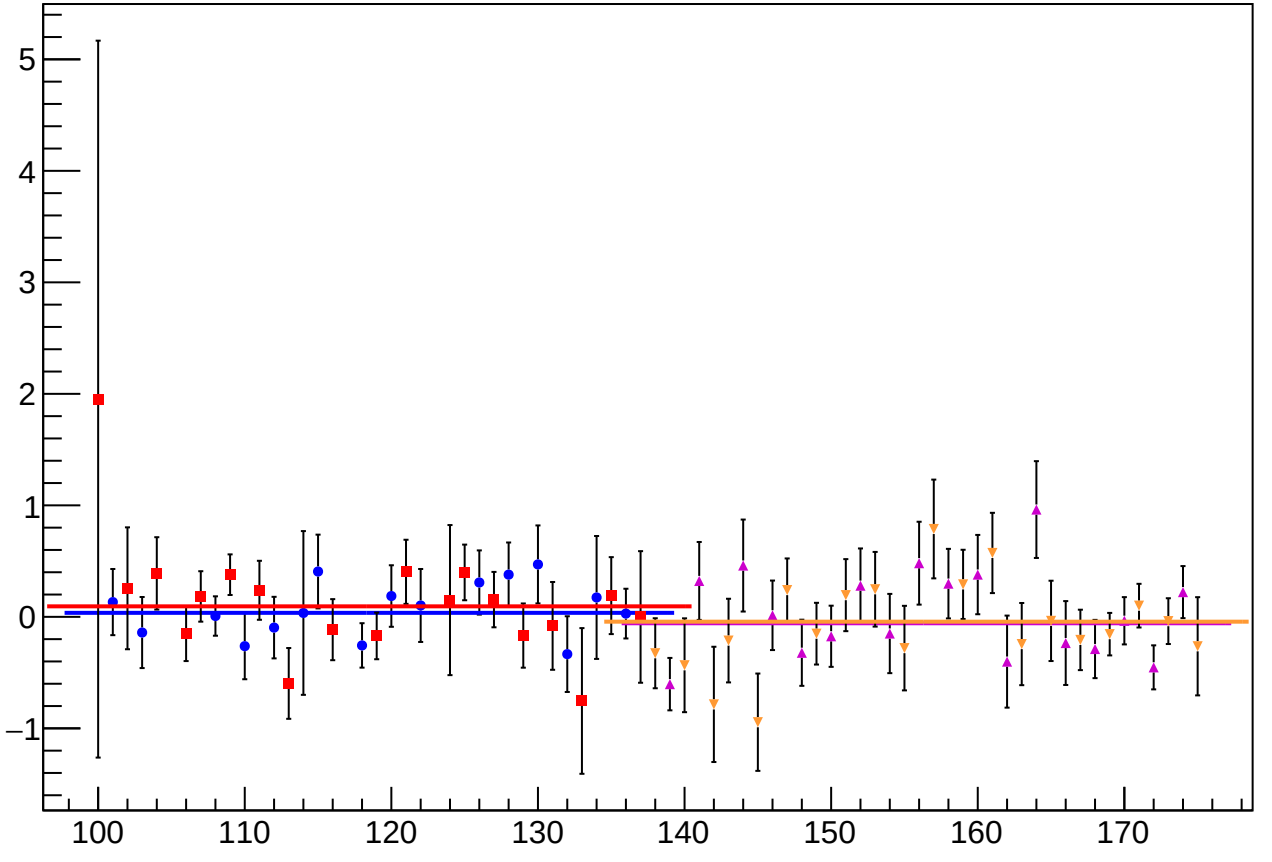
Left In: 0.007+/-0.000 χ^2/NDF:4646855.1/17

+ sign 0.008+/-0.000 χ^2/NDF: 9500459.8/35

All: 0.007+/-0.000 χ^2/NDF: 19078873.6/72

- sign 0.007+/-0.000 χ^2/NDF: 9254181.4/36

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.043+/-0.068 χ^2/NDF:20.5/19

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

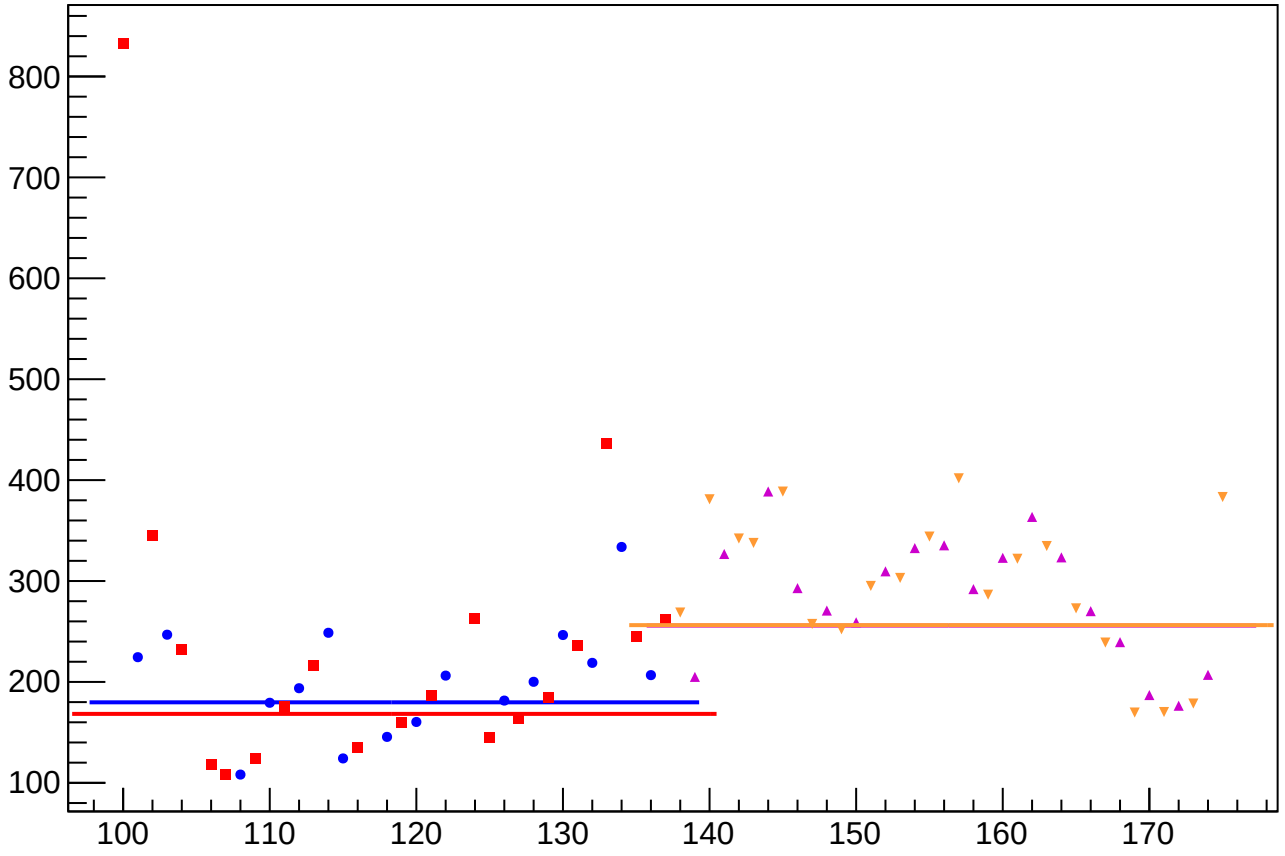
Left In: -0.058+/-0.069 χ^2/NDF:27.8/17

+ sign -0.005+/-0.049 χ^2/NDF: 31.6/35

All: 0.008+/-0.034 χ^2/NDF: 79.7/72

- sign 0.020+/-0.048 χ^2/NDF: 47.9/36

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 256.285+/-0.048 χ^2/NDF:2344962.6/19

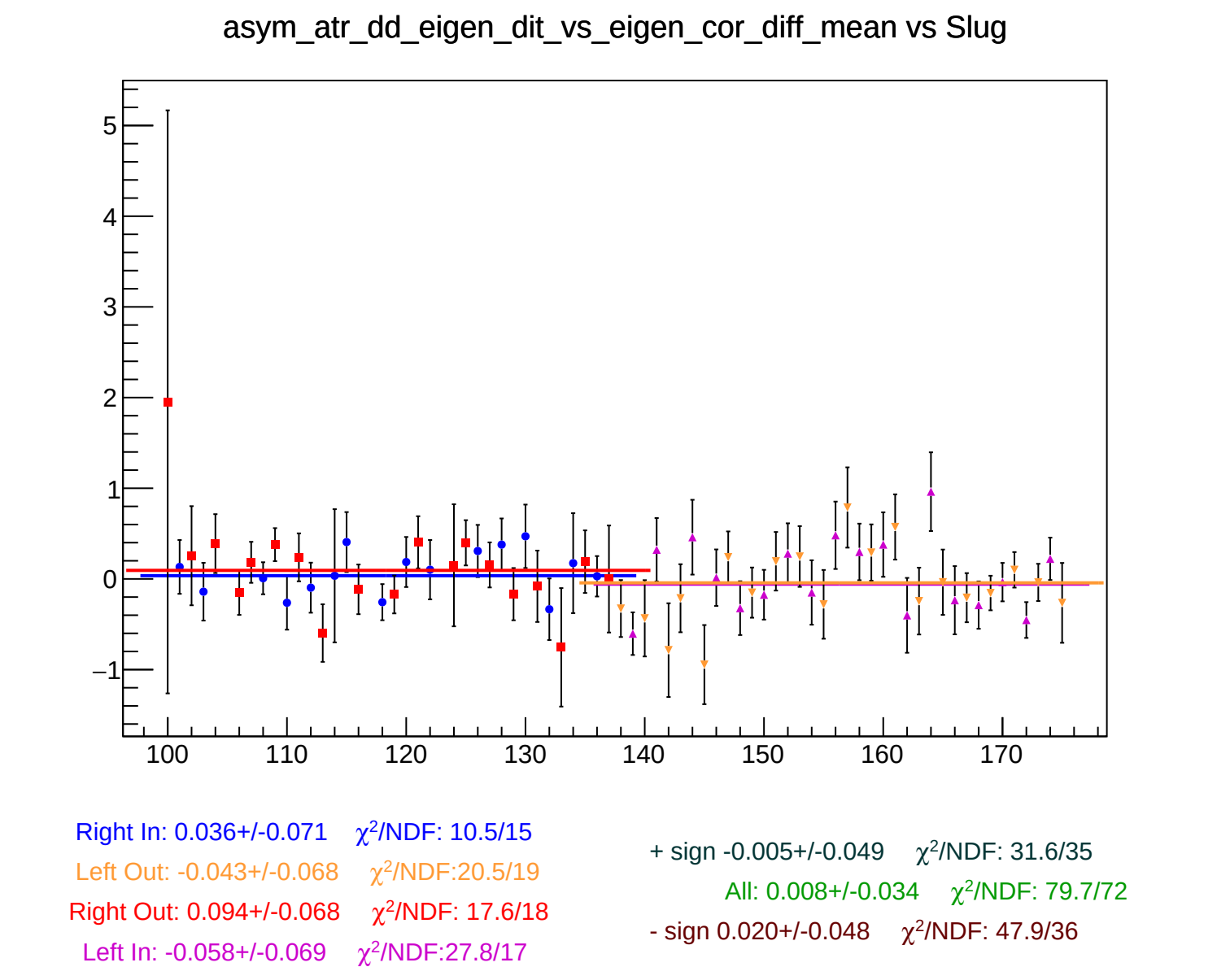
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

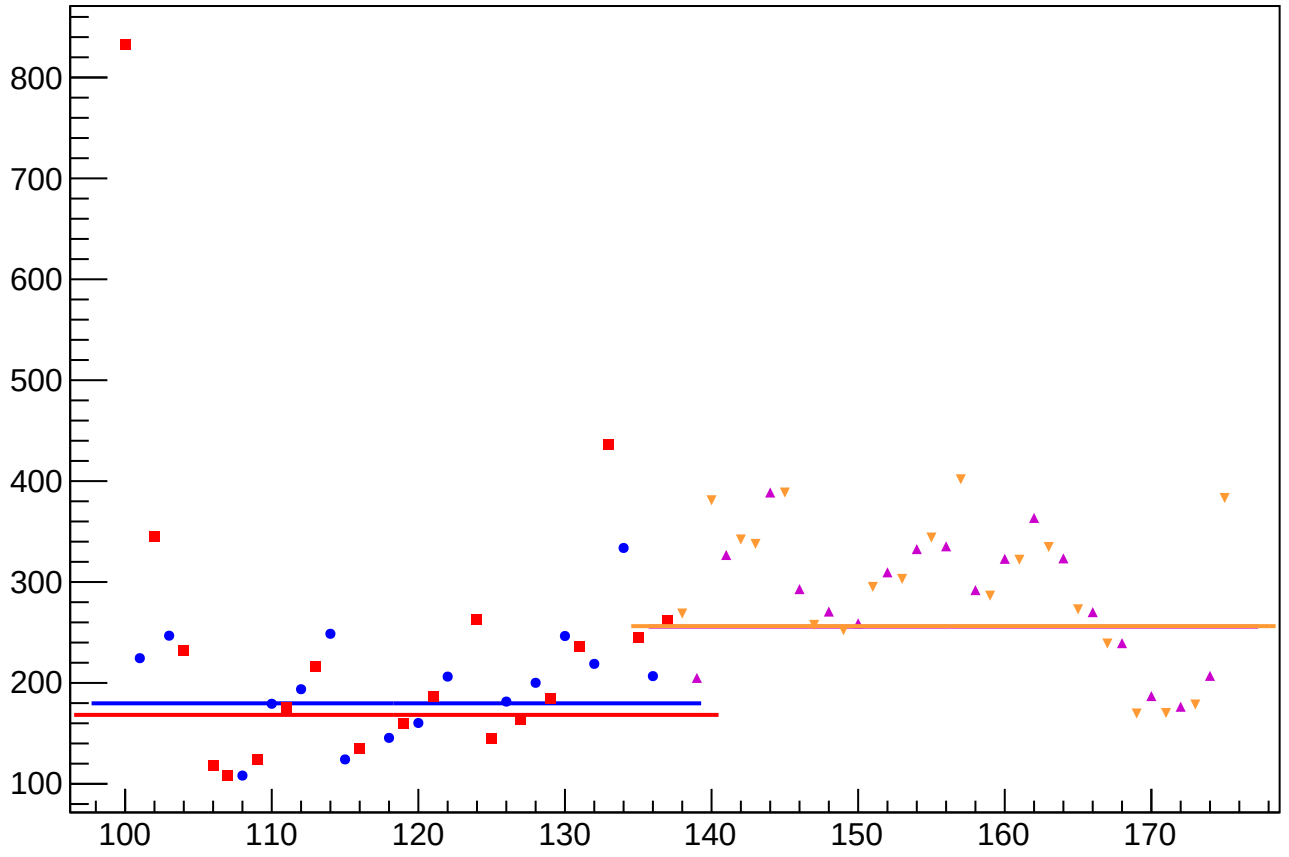
Left In: 255.815+/-0.049 χ^2/NDF:1569628.5/17

+ sign 219.544+/-0.035 χ^2/NDF: 4484353.5/35

All: 215.248+/-0.024 χ^2/NDF: 9127405.5/72

- sign 211.044+/-0.034 χ^2/NDF: 4612525.3/36


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.043+/-0.068 χ²/NDF:20.5/19
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.058+/-0.069 χ²/NDF:27.8/17
+ sign -0.005+/-0.049 χ²/NDF: 31.6/35
All: 0.008+/-0.034 χ²/NDF: 79.7/72
- sign 0.020+/-0.048 χ²/NDF: 47.9/36



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 256.285+/-0.048 χ^2/NDF:2344962.6/19

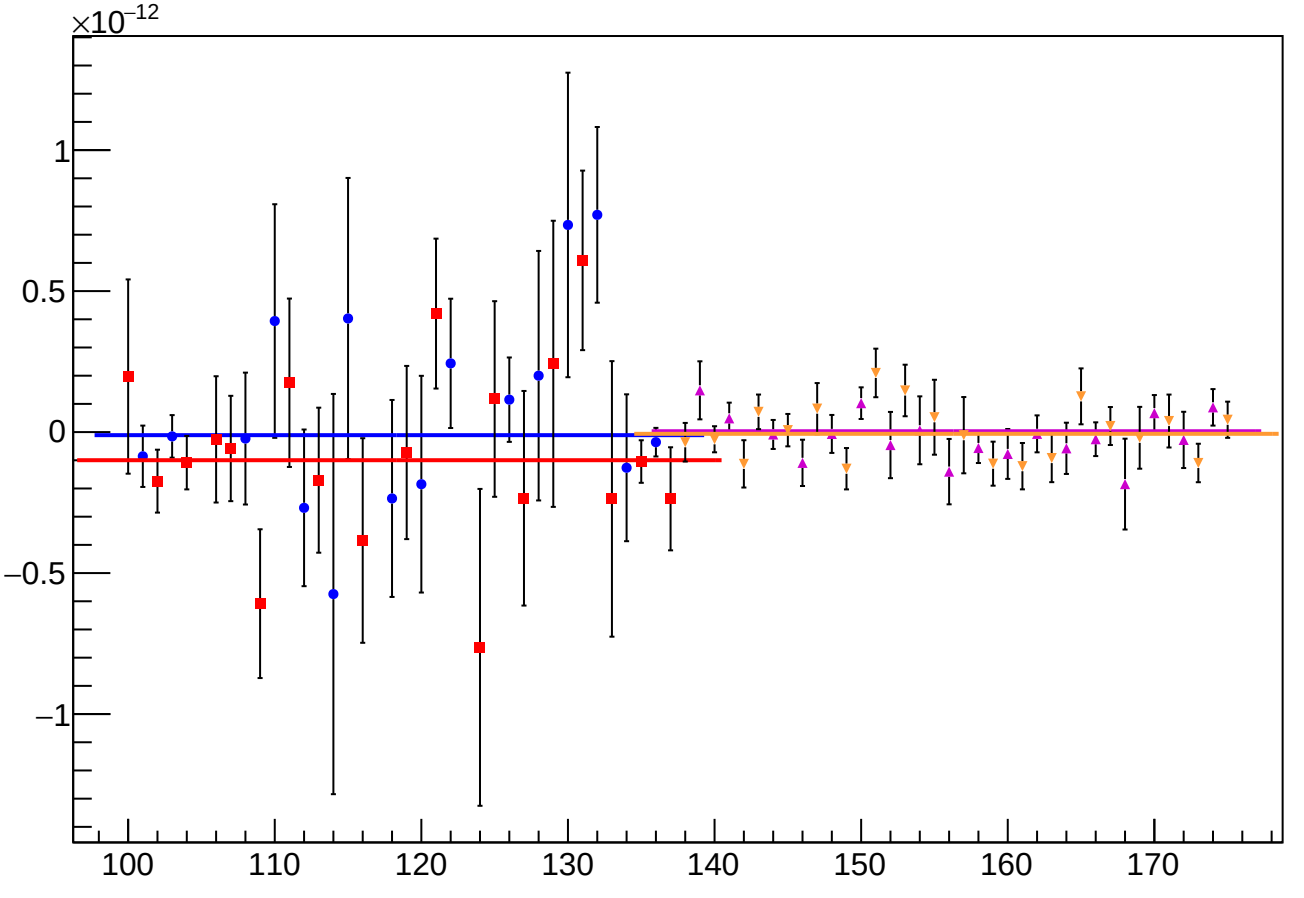
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 255.815+/-0.049 χ^2/NDF:1569628.5/17

+ sign 219.544+/-0.035 χ^2/NDF: 4484353.5/35

All: 215.248+/-0.024 χ^2/NDF: 9127405.5/72

- sign 211.044+/-0.034 χ^2/NDF: 4612525.3/36



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.7/19

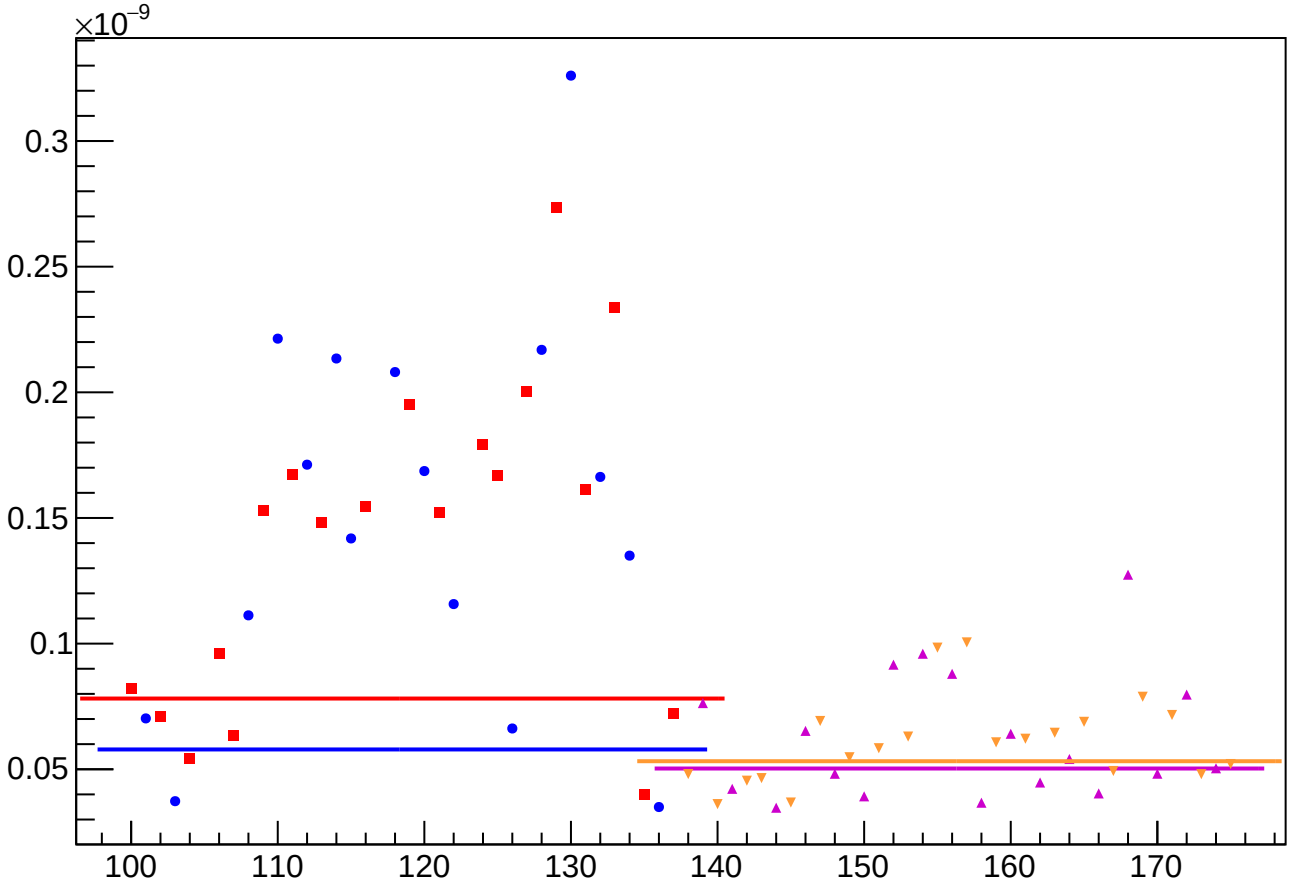
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 41.7/35

All: -0.000+/-0.000 χ^2/NDF: 81.7/72

- sign -0.000+/-0.000 χ^2/NDF: 39.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1390065.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

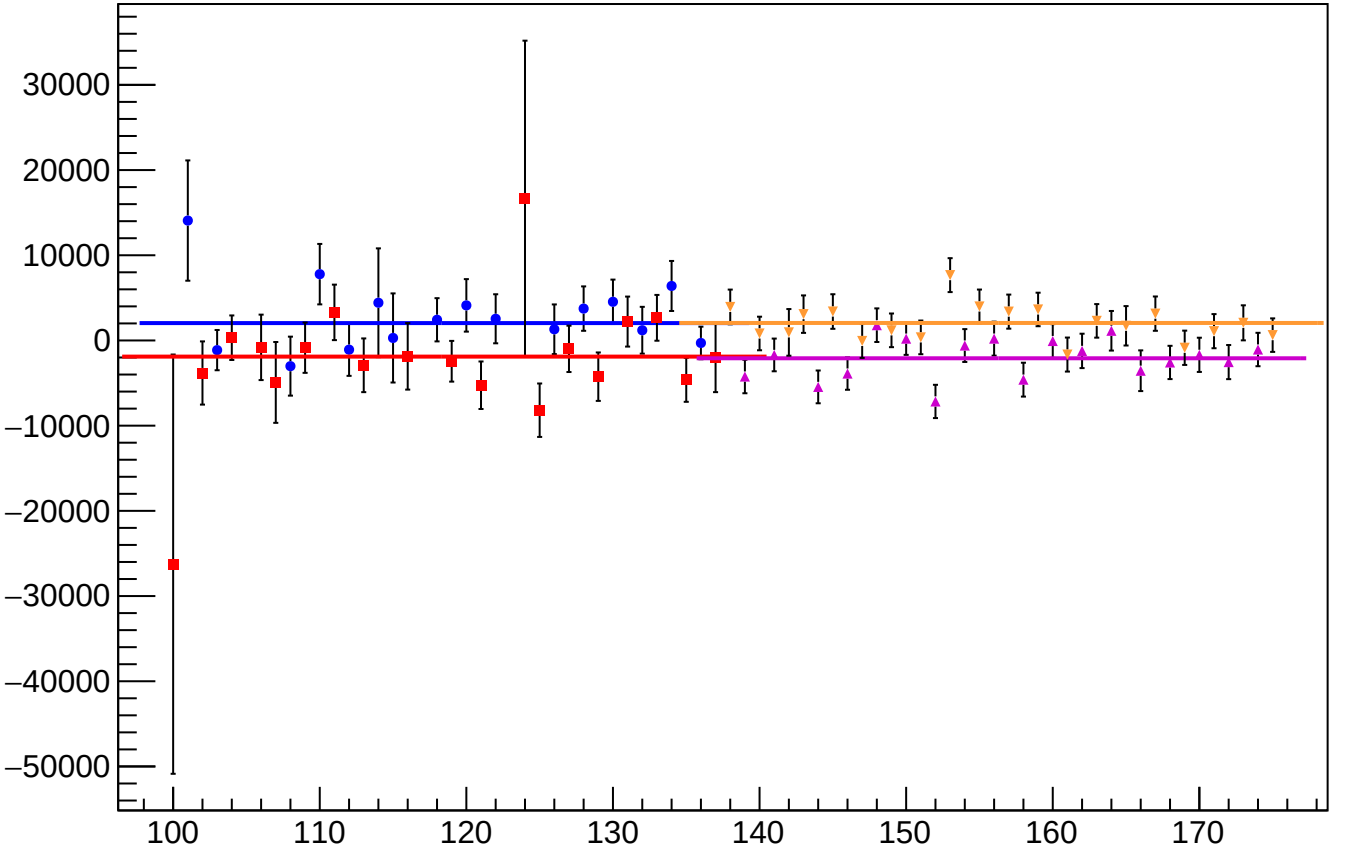
Left In: 0.000+/-0.000 χ^2/NDF:2133309.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 4741674.1/35

All: 0.000+/-0.000 χ^2/NDF: 10358069.9/72

- sign 0.000+/-0.000 χ^2/NDF: 5616309.0/36

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2054.317+/-456.701 χ^2/NDF:20.8/19

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

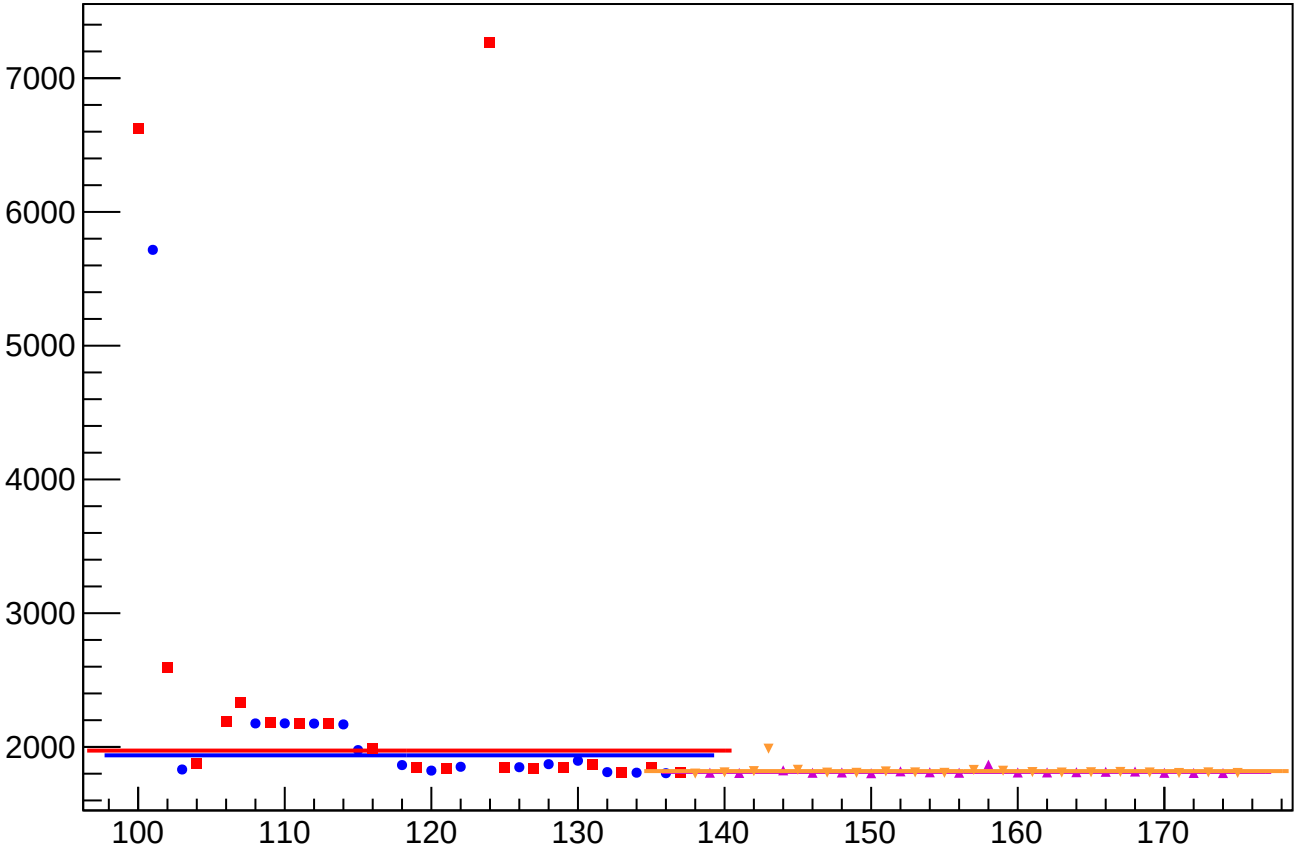
Left In: -2091.469+/-470.029 χ^2/NDF:24.7/17

+ sign 2050.119+/-388.093 χ^2/NDF: 37.2/35

All: 50.225+/-277.265 χ^2/NDF: 134.7/72

- sign -2034.707+/-396.258 χ^2/NDF: 43.3/36

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.400+/-0.323 χ^2/NDF:12645.7/19

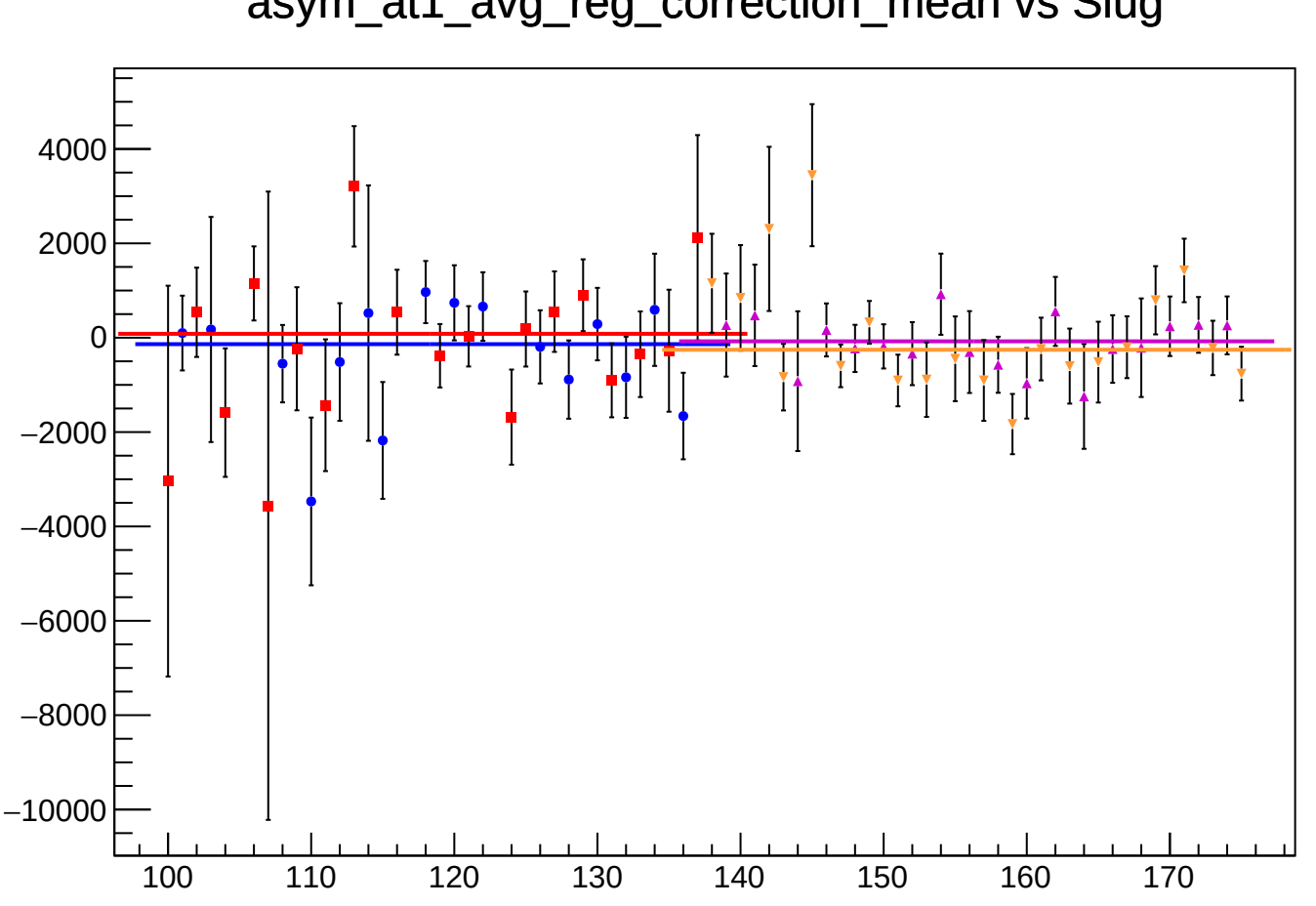
Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1813.232+/-0.332 χ^2/NDF:1823.1/17

\+ sign 1852.149+/-0.274 χ^2/NDF: 687746.4/35

All: 1855.689+/-0.196 χ^2/NDF: 1134089.4/72

\- sign 1859.379+/-0.280 χ^2/NDF: 446003.2/36



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -255.326+/-154.288 χ^2/NDF:32.1/19

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

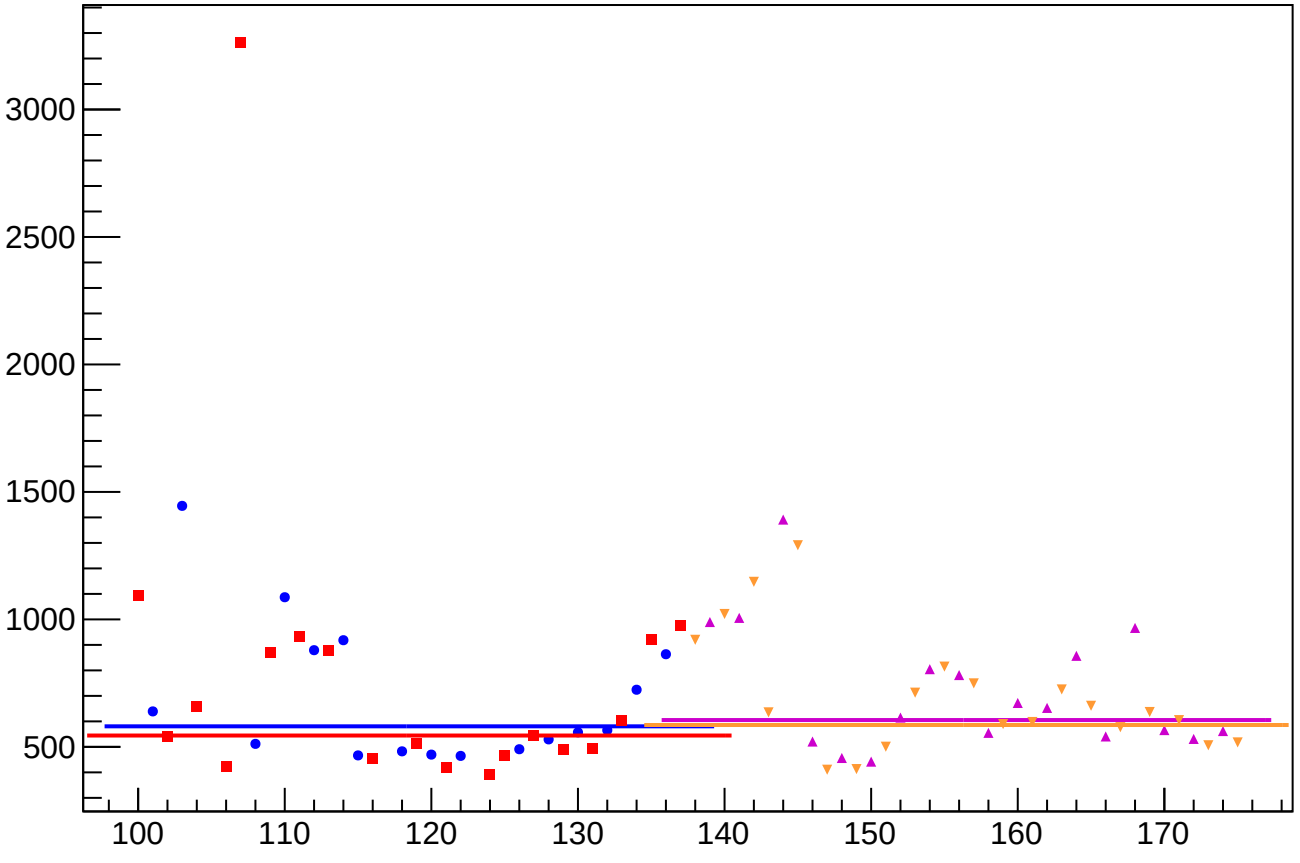
Left In: -76.460+/-164.379 χ^2/NDF:7.5/17

+ sign -218.589+/-128.204 χ^2/NDF: 49.1/35

All: -122.395+/-92.004 χ^2/NDF: 77.9/72

- sign -20.248+/-132.111 χ^2/NDF: 27.6/36

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 585.802+/-0.109 χ^2/NDF:2214364.3/19

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

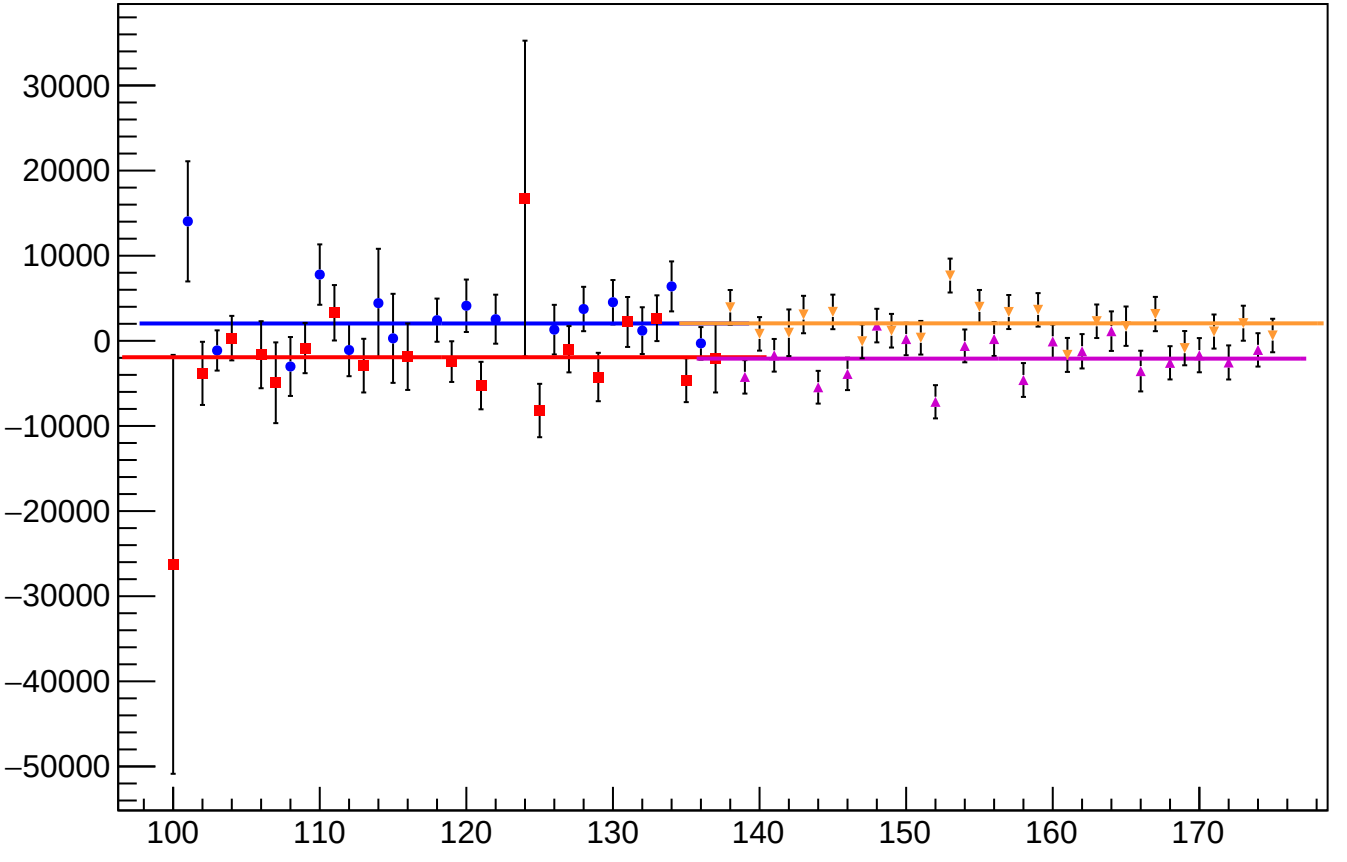
Left In: 605.243+/-0.116 χ^2/NDF:2190378.8/17

+ sign 584.195+/-0.091 χ^2/NDF: 3218475.8/35

All: 583.977+/-0.065 χ^2/NDF: 6793113.2/72

- sign 583.746+/-0.093 χ^2/NDF: 3574625.5/36

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2054.295+/-456.701 χ^2/NDF:20.8/19

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

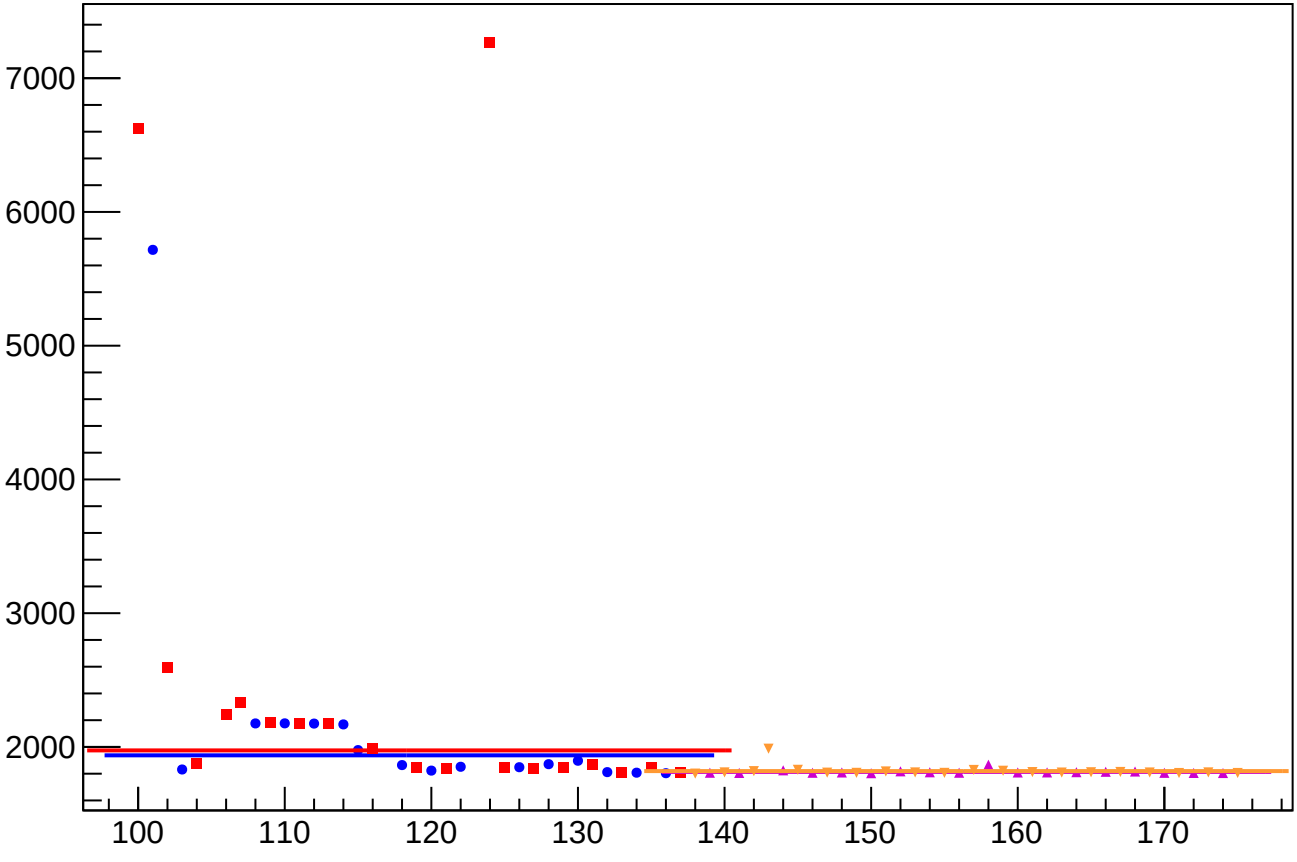
Left In: -2091.543+/-470.029 χ^2/NDF:24.7/17

+ sign 2050.001+/-388.093 χ^2/NDF: 37.2/35

All: 46.236+/-277.299 χ^2/NDF: 134.9/72

- sign -2043.793+/-396.359 χ^2/NDF: 43.2/36

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.400+/-0.323 χ^2/NDF:12645.7/19

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

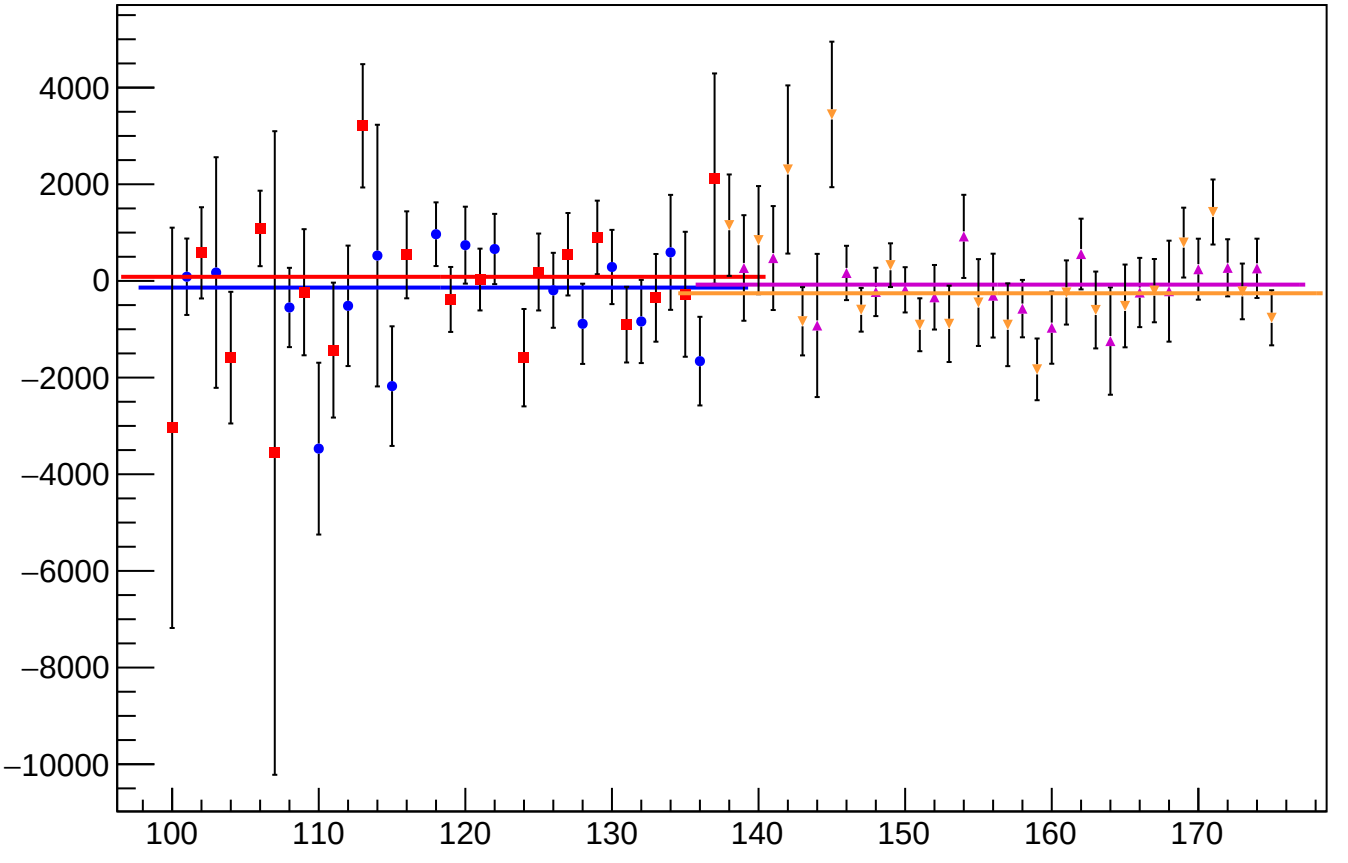
Left In: 1813.232+/-0.332 χ^2/NDF:1823.1/17

+ sign 1852.149+/-0.274 χ^2/NDF: 687746.4/35

All: 1855.857+/-0.196 χ^2/NDF: 1138101.6/72

- sign 1859.724+/-0.280 χ^2/NDF: 449982.3/36

asym_at1_avg_cor_correction_mean vs Slug



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -255.410+/-154.287 χ^2/NDF:32.1/19

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

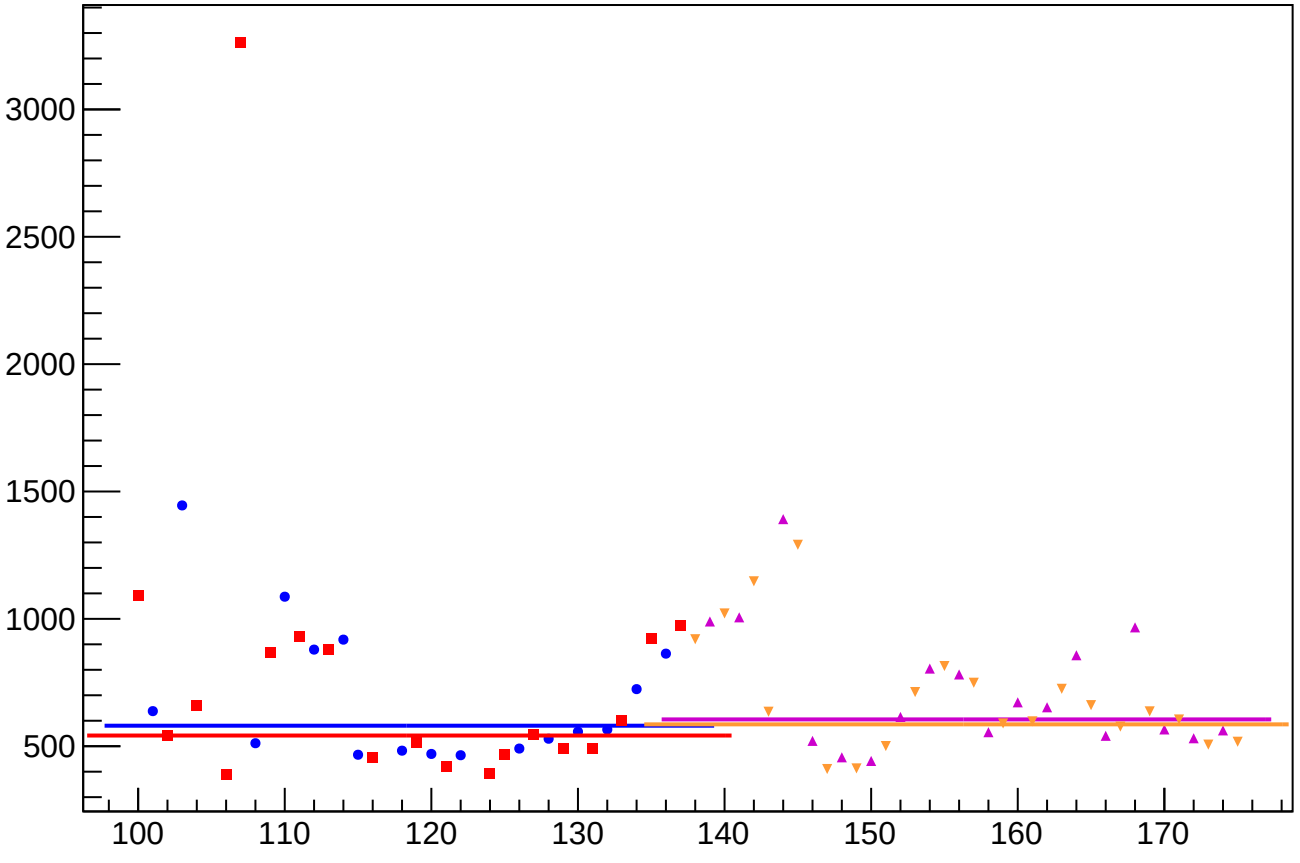
Left In: -76.510+/-164.381 χ^2/NDF:7.5/17

+ sign -218.899+/-128.195 χ^2/NDF: 49.1/35

All: -122.077+/-91.991 χ^2/NDF: 77.5/72

- sign -19.295+/-132.082 χ^2/NDF: 27.2/36

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 585.800+/-0.109 χ^2/NDF:2214486.3/19

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

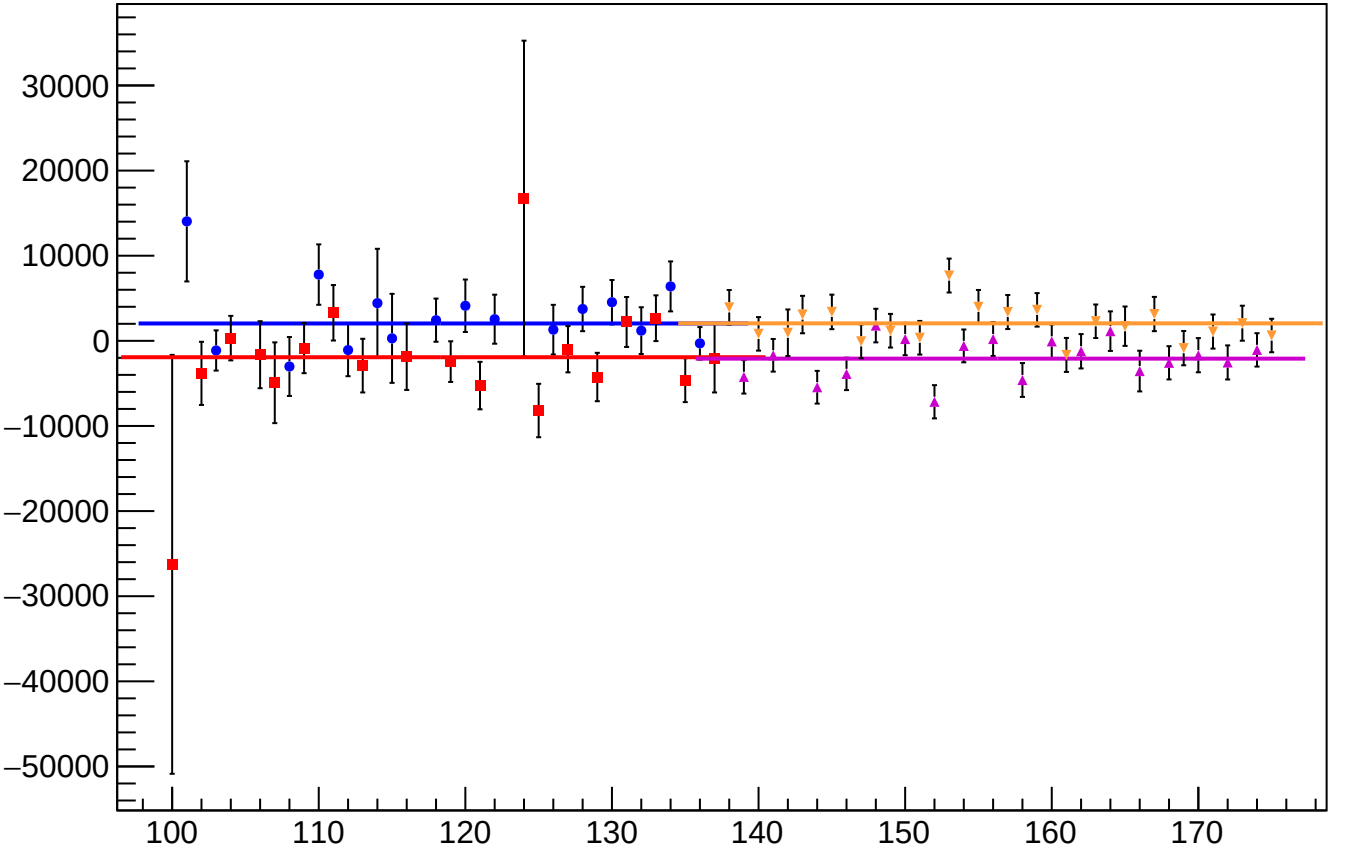
Left In: 605.249+/-0.116 χ^2/NDF:2190413.8/17

+ sign 584.165+/-0.091 χ^2/NDF: 3218112.3/35

All: 583.510+/-0.065 χ^2/NDF: 6832614.5/72

- sign 582.814+/-0.093 χ^2/NDF: 3614394.5/36

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2054.295+/-456.701 χ^2/NDF:20.8/19

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

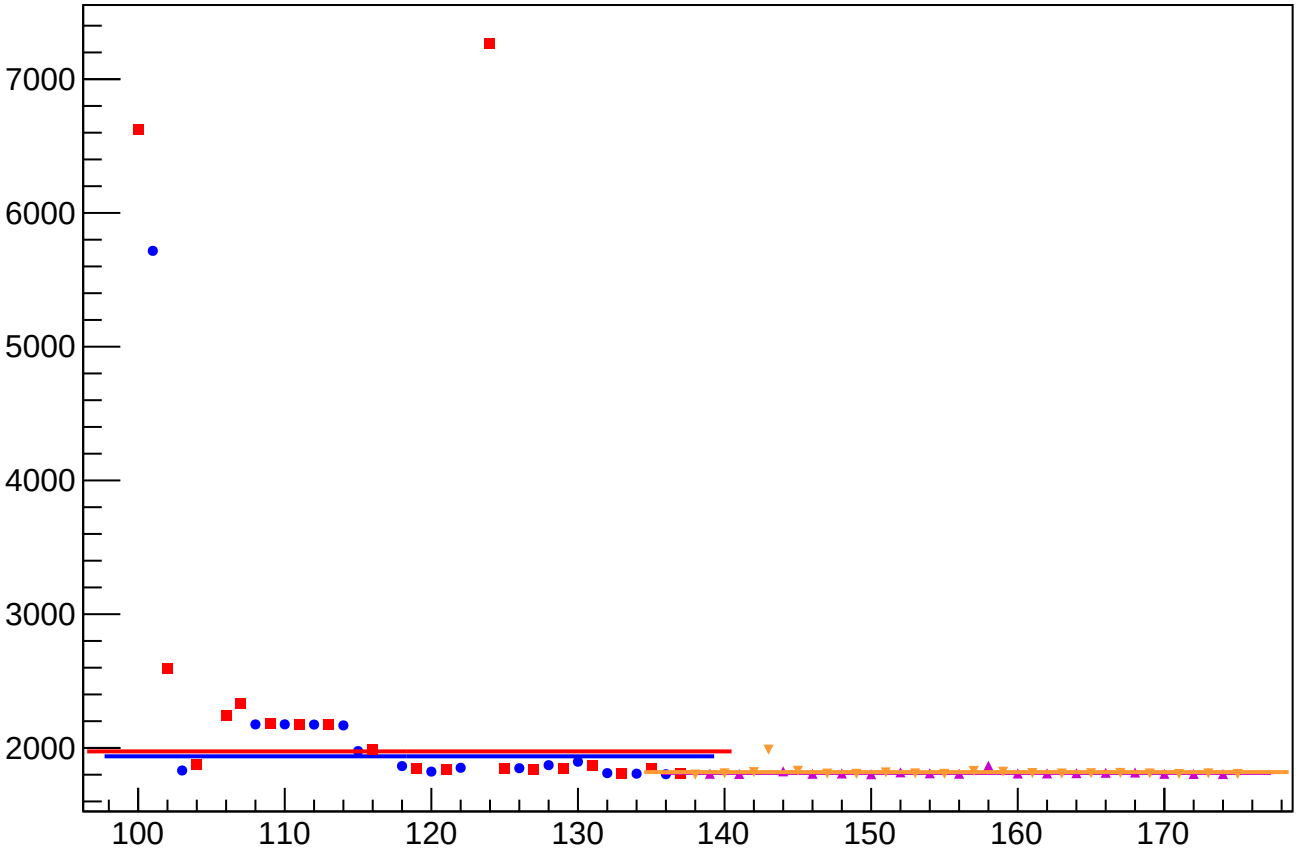
Left In: -2091.543+/-470.029 χ^2/NDF:24.7/17

+ sign 2050.001+/-388.093 χ^2/NDF: 37.2/35

All: 46.236+/-277.299 χ^2/NDF: 134.9/72

- sign -2043.793+/-396.359 χ^2/NDF: 43.2/36

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.400+/-0.323 χ^2/NDF:12645.7/19

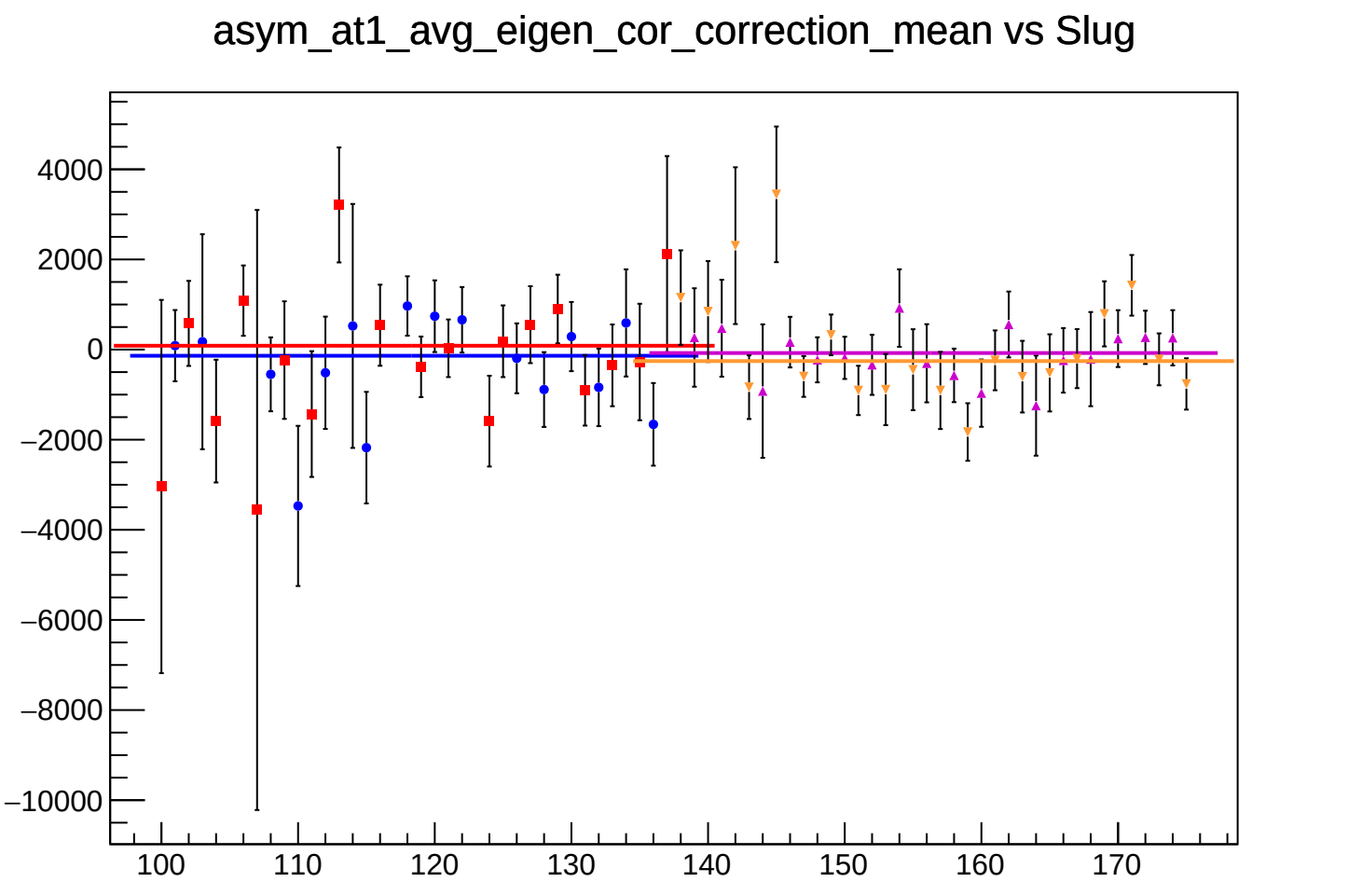
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.232+/-0.332 χ^2/NDF:1823.1/17

+ sign 1852.149+/-0.274 χ^2/NDF: 687746.4/35

All: 1855.857+/-0.196 χ^2/NDF: 1138101.6/72

- sign 1859.724+/-0.280 χ^2/NDF: 449982.3/36



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -255.410+/-154.287 χ^2/NDF:32.1/19

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

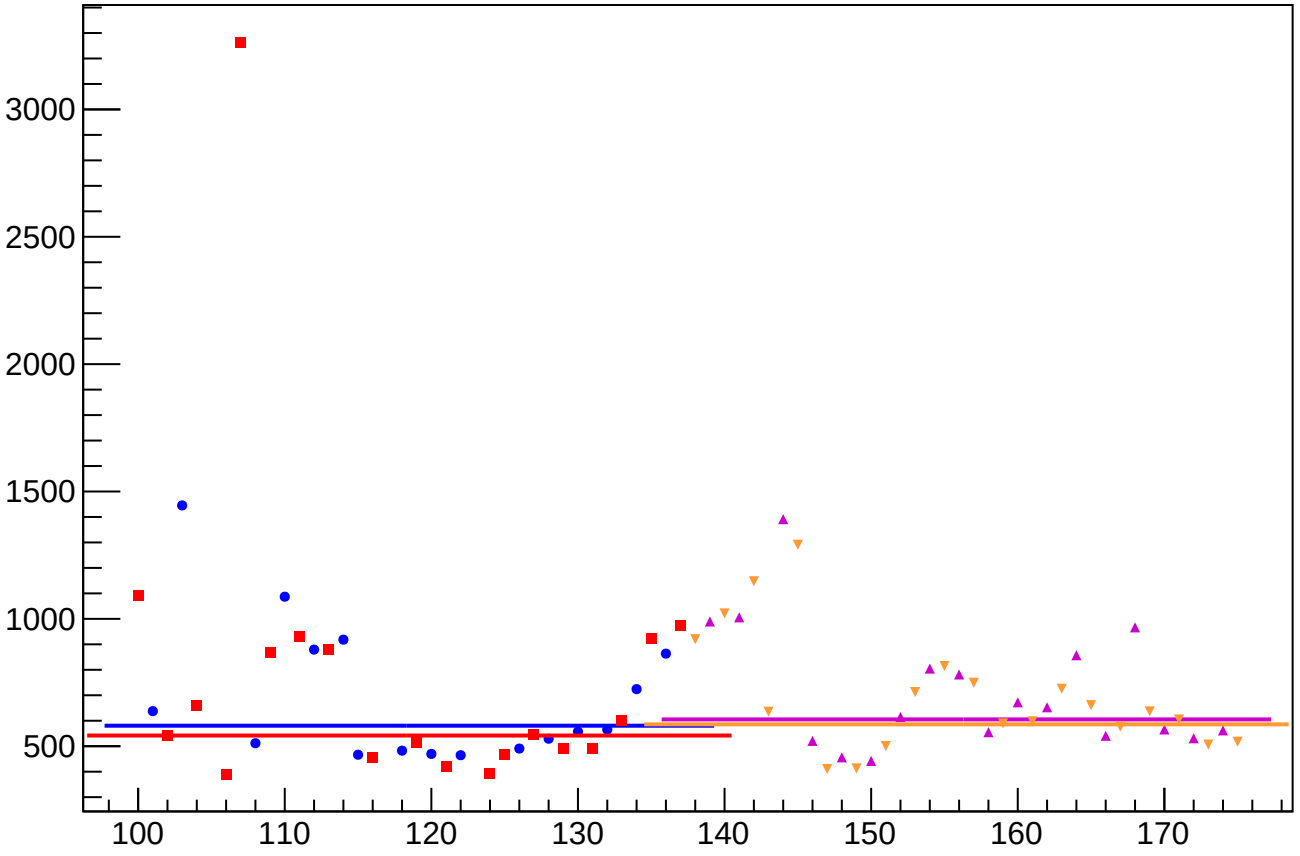
Left In: -76.510+/-164.381 χ^2/NDF:7.5/17

+ sign -218.899+/-128.195 χ^2/NDF: 49.1/35

All: -122.077+/-91.991 χ^2/NDF: 77.5/72

- sign -19.295+/-132.082 χ^2/NDF: 27.2/36

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 585.800+/-0.109 χ^2/NDF:2214486.3/19

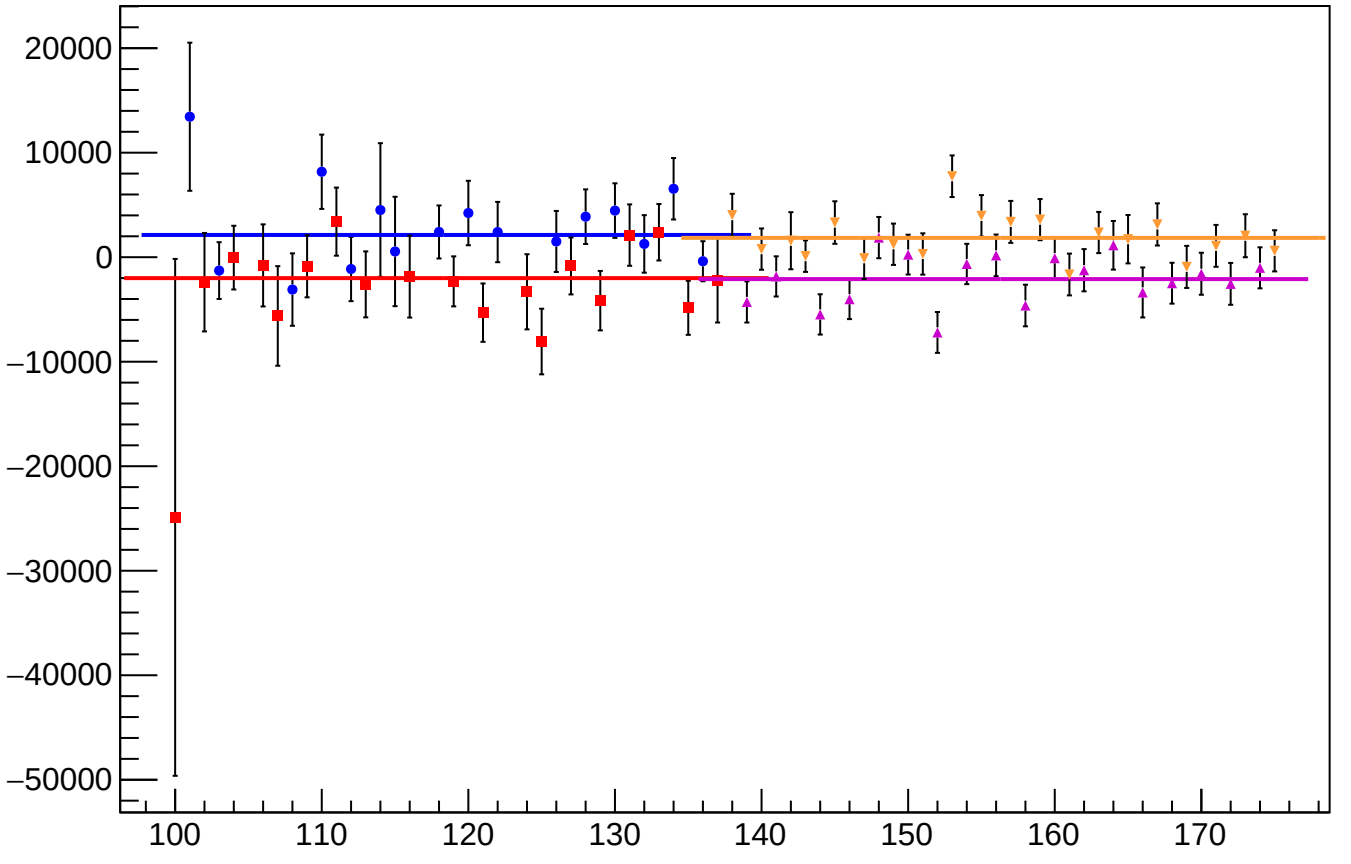
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 605.249+/-0.116 χ^2/NDF:2190413.8/17

+ sign 584.165+/-0.091 χ^2/NDF: 3218112.3/35

All: 583.510+/-0.065 χ^2/NDF: 6832614.5/72

- sign 582.814+/-0.093 χ^2/NDF: 3614394.5/36



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1849.826+/-446.478 χ^2/NDF:22.2/19

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

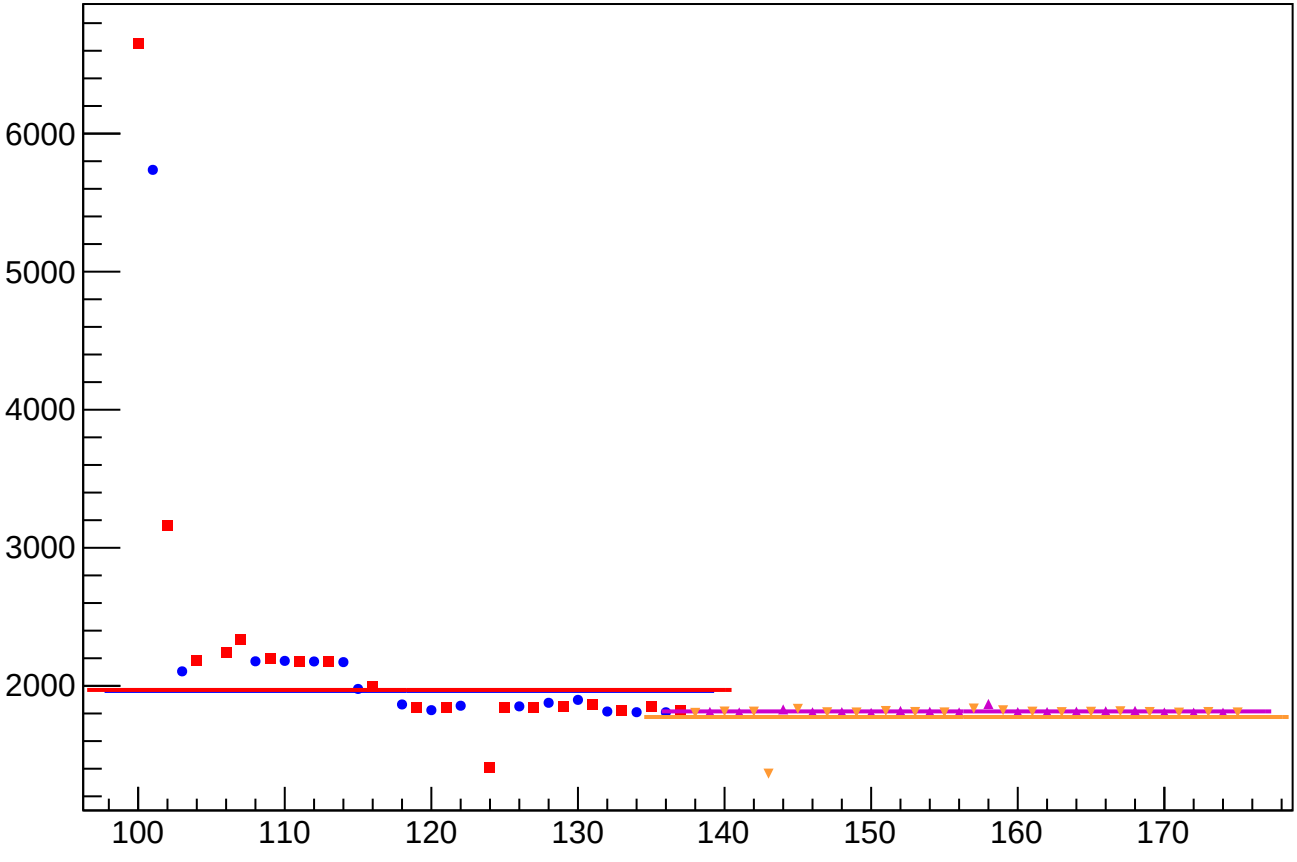
Left In: -2095.556+/-470.518 χ^2/NDF:25.1/17

+ sign 1923.351+/-383.138 χ^2/NDF: 38.8/35

All: -3.606+/-275.562 χ^2/NDF: 133.0/72

- sign -2068.539+/-396.618 χ^2/NDF: 41.8/36

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1774.425+/-0.316 χ^2/NDF:162394.6/19

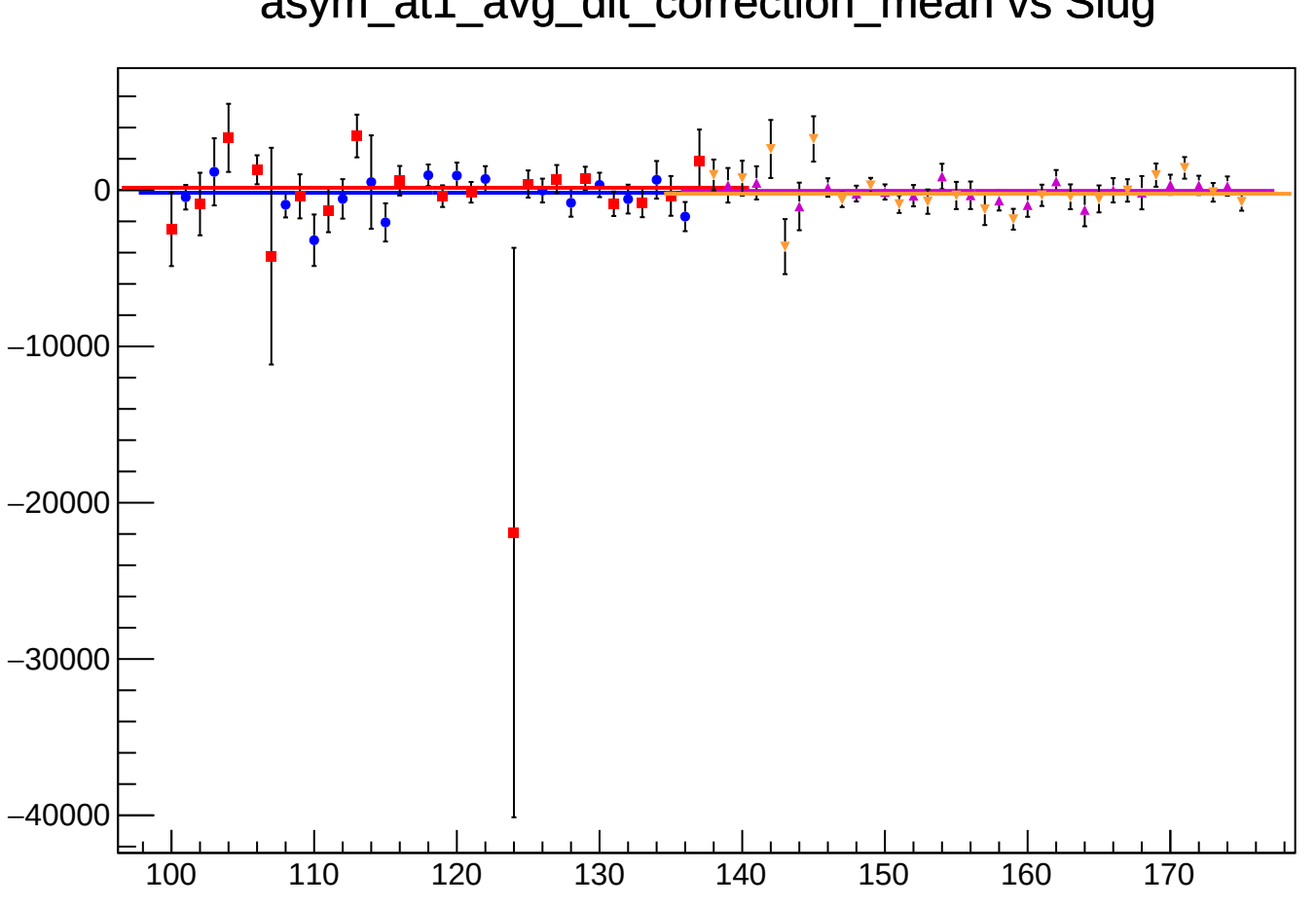
Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1815.098+/-0.333 χ^2/NDF:1885.5/17

+ sign 1824.243+/-0.271 χ^2/NDF: 897111.3/35

All: 1841.537+/-0.195 χ^2/NDF: 1315687.1/72

- sign 1860.068+/-0.280 χ^2/NDF: 410134.9/36



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -233.620+/-162.346 χ^2/NDF:34.4/19

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

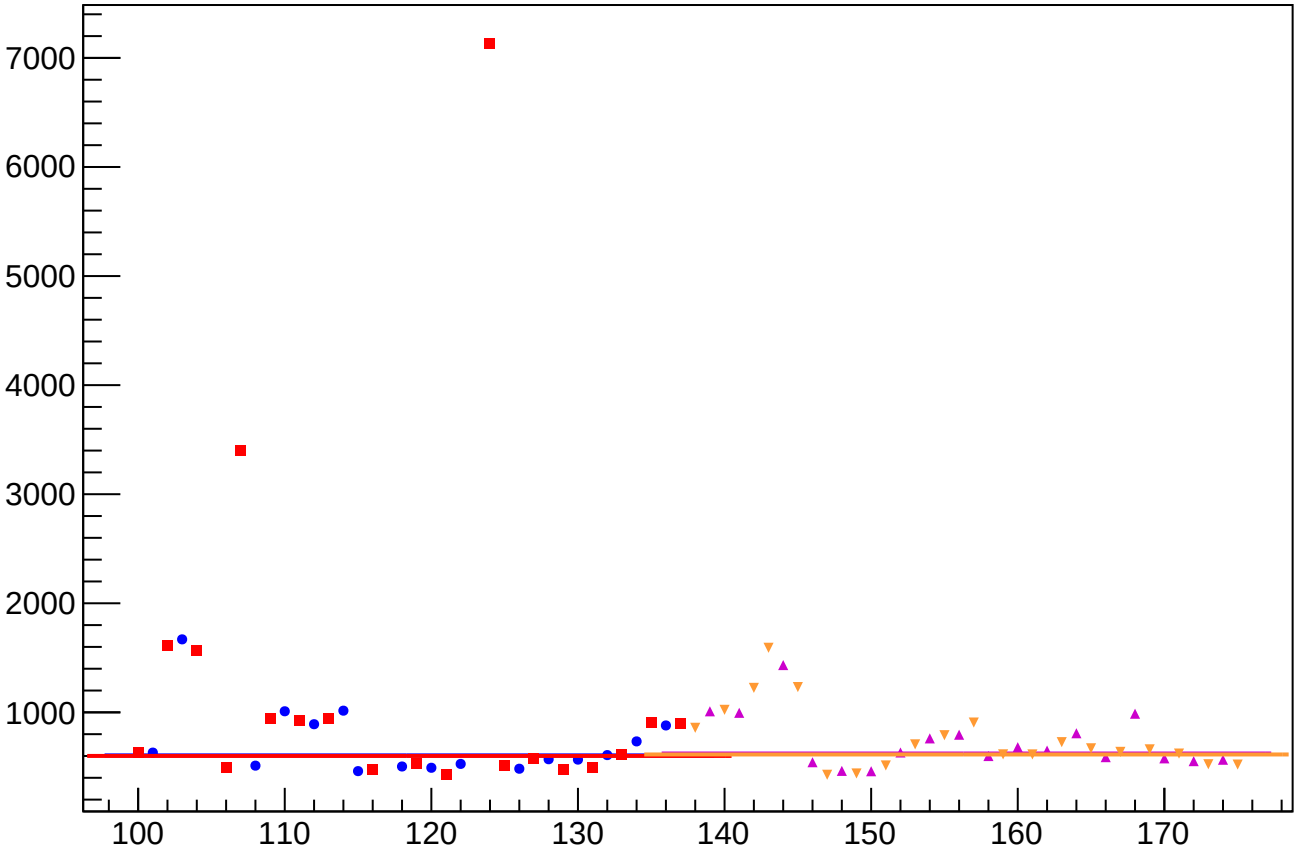
Left In: -52.027+/-168.202 χ^2/NDF:8.0/17

+ sign -213.538+/-133.920 χ^2/NDF: 51.7/35

All: -104.059+/-96.198 χ^2/NDF: 81.6/72

- sign 12.656+/-138.274 χ^2/NDF: 28.6/36

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 613.853+/-0.115 χ^2/NDF:2662243.7/19

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

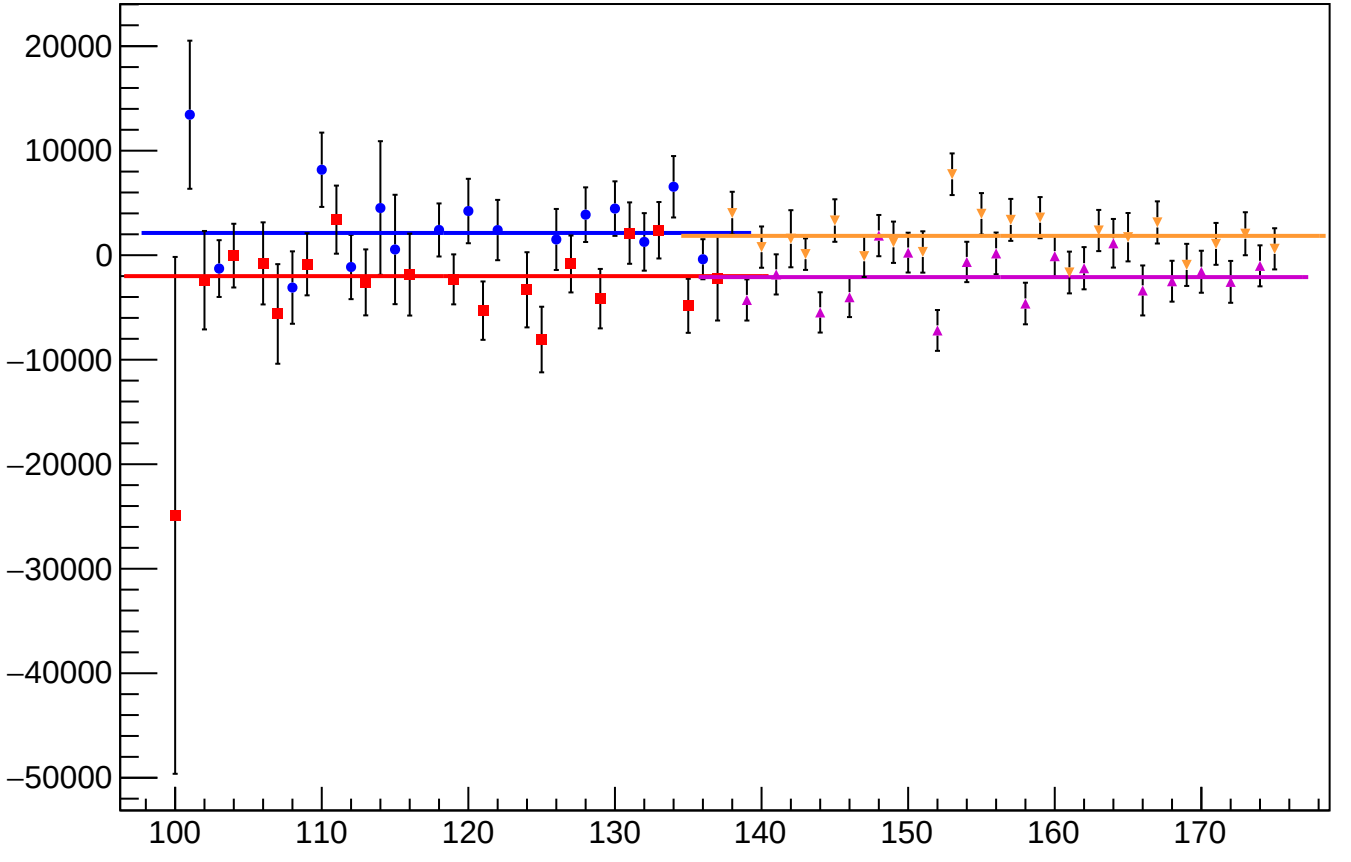
Left In: 622.784+/-0.119 χ^2/NDF:2022697.5/17

+ sign 611.161+/-0.095 χ^2/NDF: 3826418.5/35

All: 613.282+/-0.068 χ^2/NDF: 8190111.2/72

- sign 615.542+/-0.098 χ^2/NDF: 4362656.7/36

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1849.826+/-446.478 χ^2/NDF:22.2/19

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

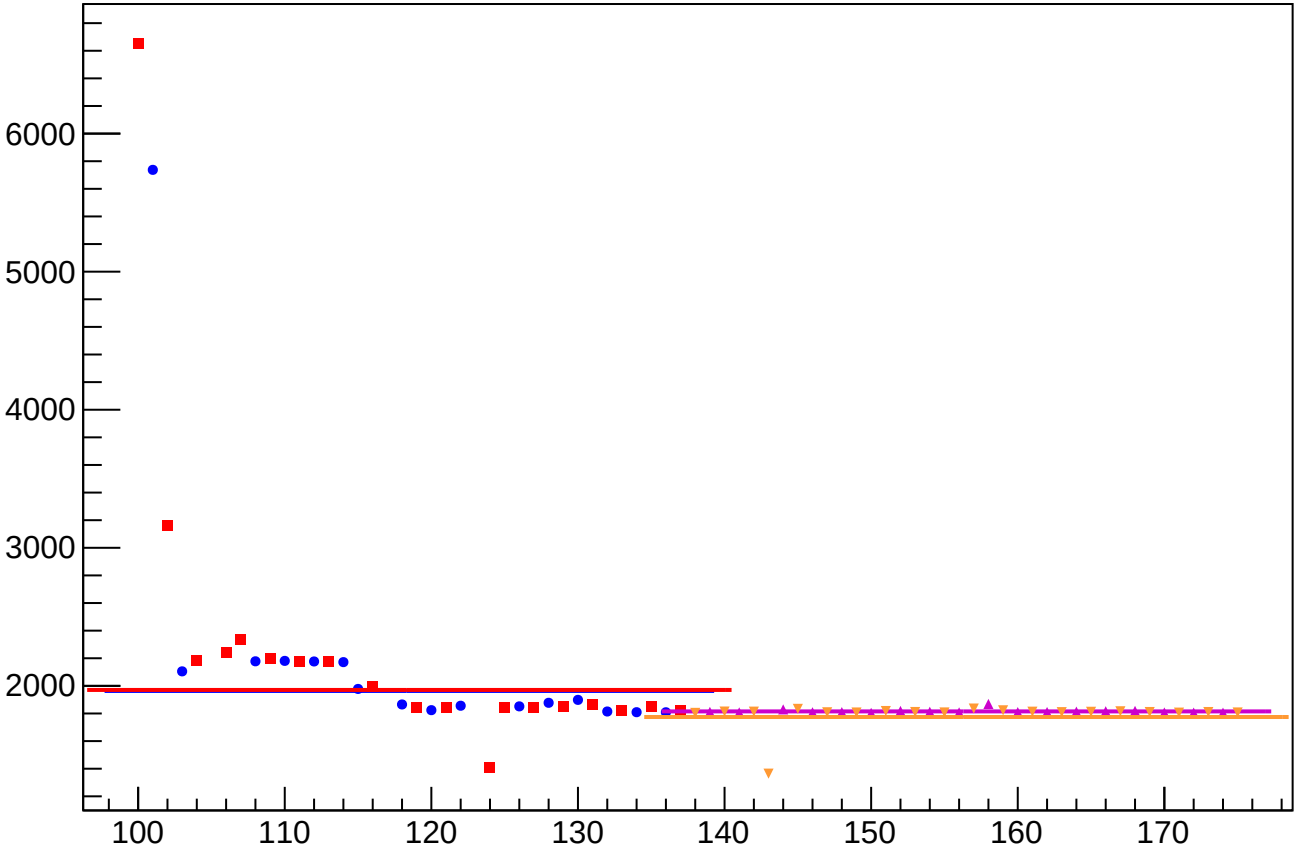
Left In: -2095.556+/-470.518 χ^2/NDF:25.1/17

+ sign 1923.351+/-383.138 χ^2/NDF: 38.8/35

All: -3.606+/-275.562 χ^2/NDF: 133.0/72

- sign -2068.539+/-396.618 χ^2/NDF: 41.8/36

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1774.425+/-0.316 χ^2/NDF:162394.5/19

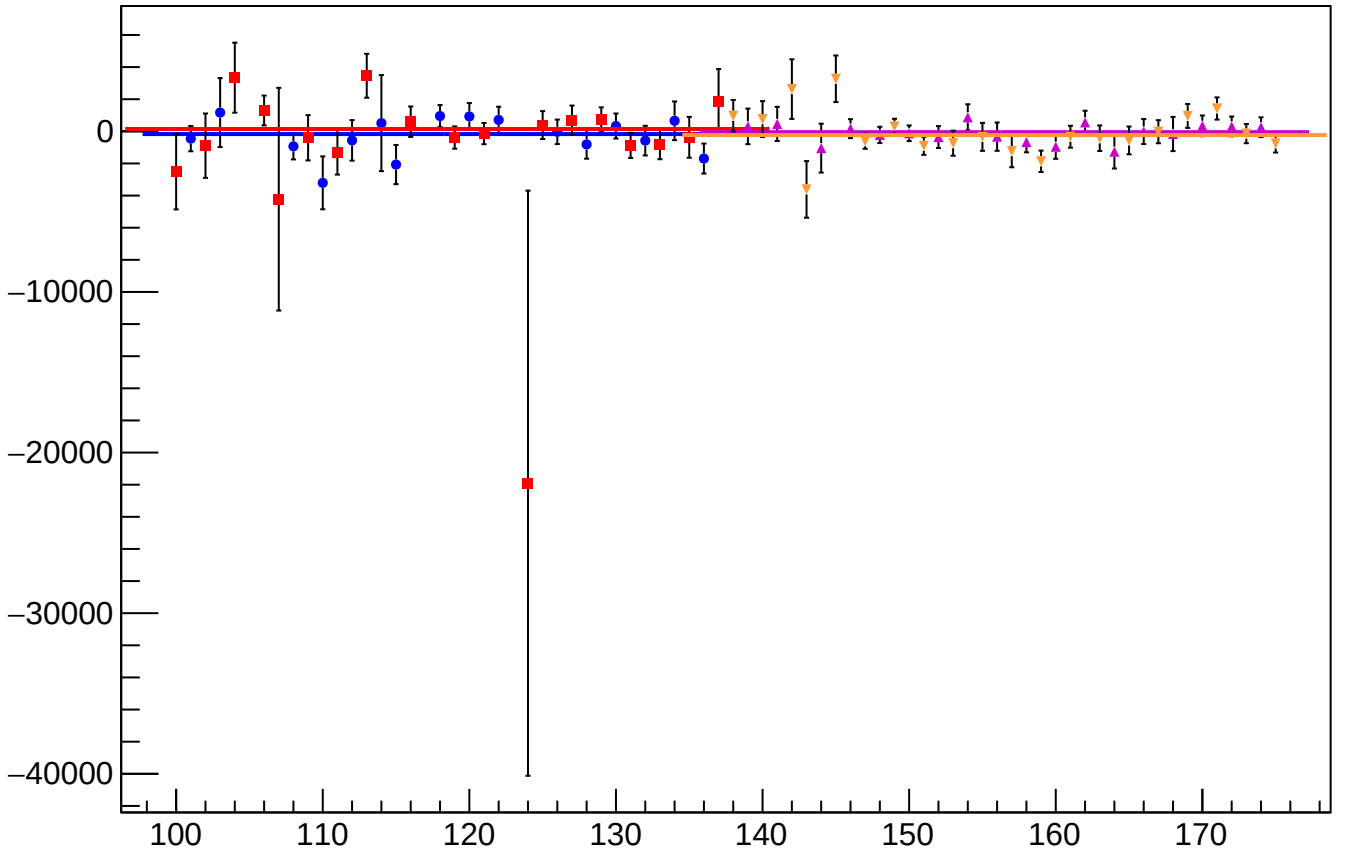
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1815.098+/-0.333 χ^2/NDF:1885.5/17

+ sign 1824.243+/-0.271 χ^2/NDF: 897110.8/35

All: 1841.537+/-0.195 χ^2/NDF: 1315685.0/72

- sign 1860.068+/-0.280 χ^2/NDF: 410133.4/36



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -233.620+/-162.346 χ^2/NDF:34.4/19

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

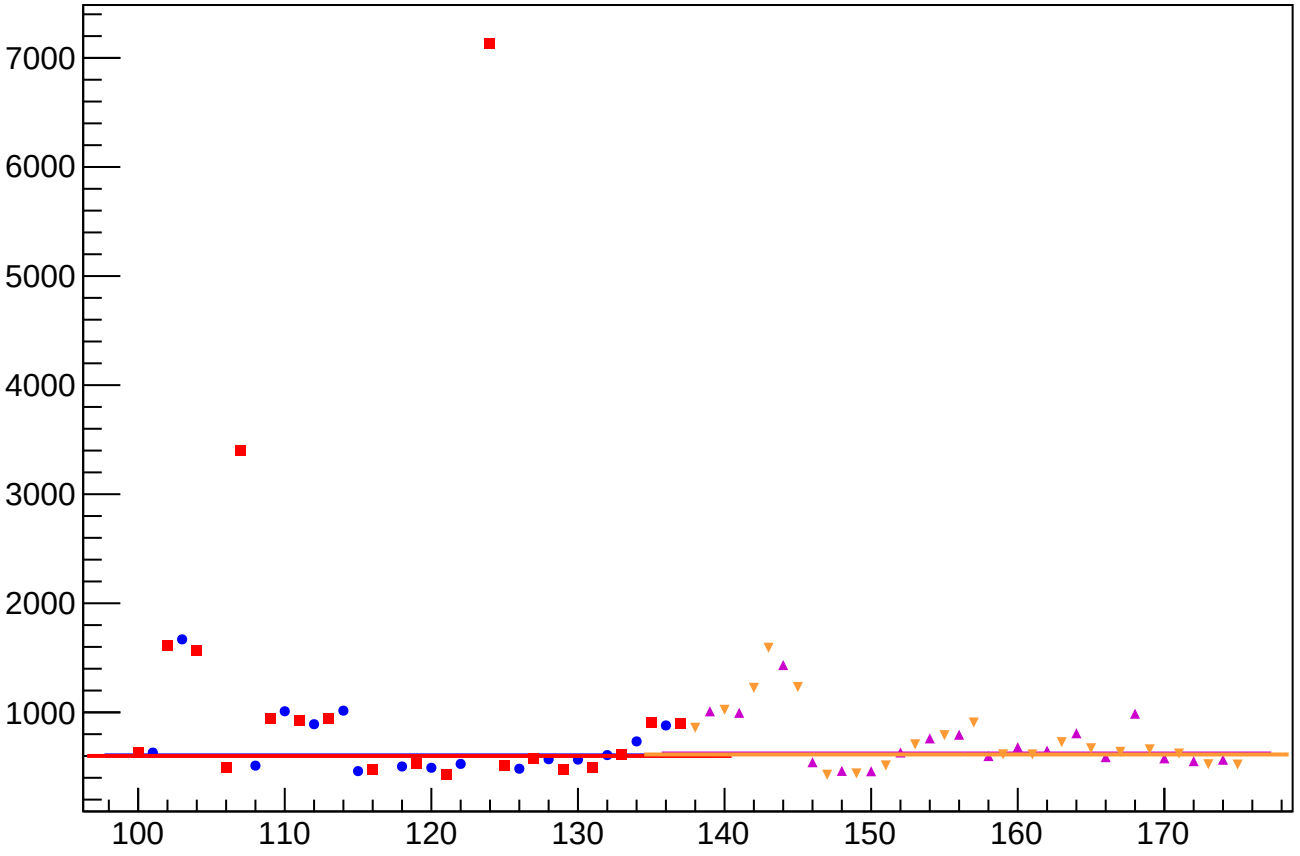
Left In: -52.027+/-168.202 χ^2/NDF:8.0/17

+ sign -213.538+/-133.920 χ^2/NDF: 51.7/35

All: -104.059+/-96.198 χ^2/NDF: 81.6/72

- sign 12.656+/-138.274 χ^2/NDF: 28.6/36

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 613.854+/-0.115 χ^2/NDF:2662237.3/19

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

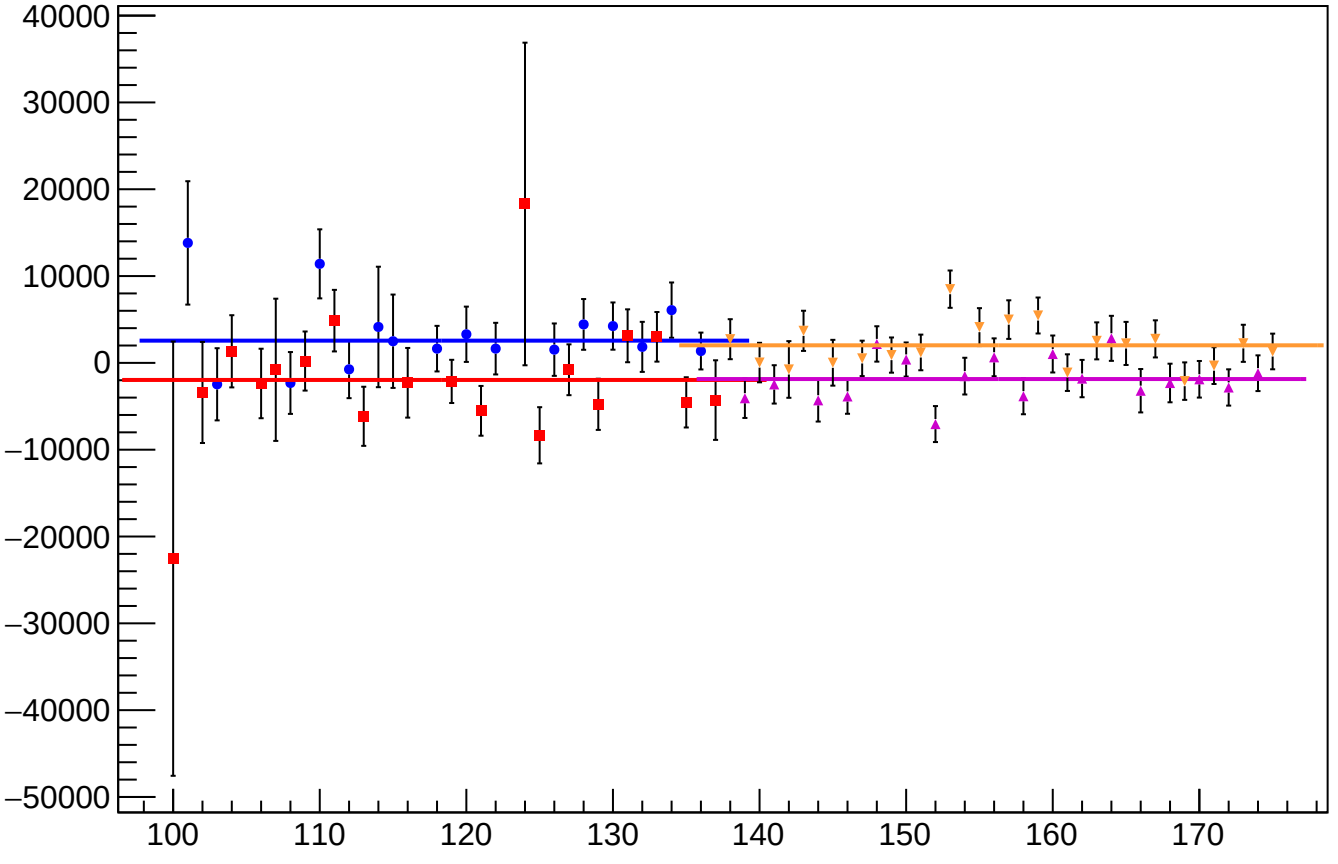
Left In: 622.785+/-0.119 χ^2/NDF:2022692.9/17

+ sign 611.162+/-0.095 χ^2/NDF: 3826421.0/35

All: 613.282+/-0.068 χ^2/NDF: 8190118.9/72

- sign 615.543+/-0.098 χ^2/NDF: 4362662.0/36

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2023.524+/-493.334 χ^2/NDF:25.6/19

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

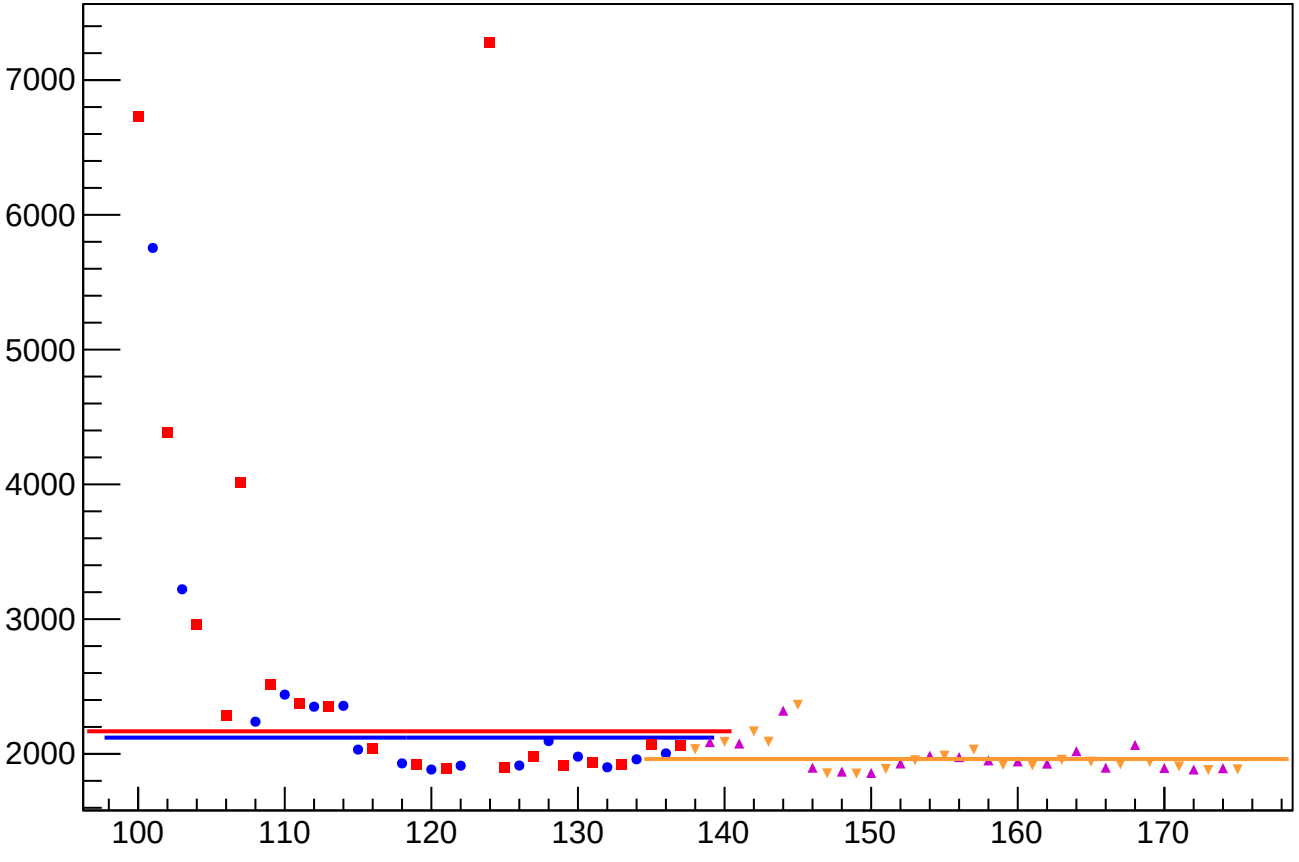
Left In: -1861.518+/-509.487 χ^2/NDF:22.5/17

+ sign 2169.034+/-421.290 χ^2/NDF: 40.5/35

All: 192.777+/-301.812 χ^2/NDF: 129.9/72

- sign -1890.883+/-432.586 χ^2/NDF: 44.1/36

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1961.797+/-0.349 χ^2/NDF:94665.0/19

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

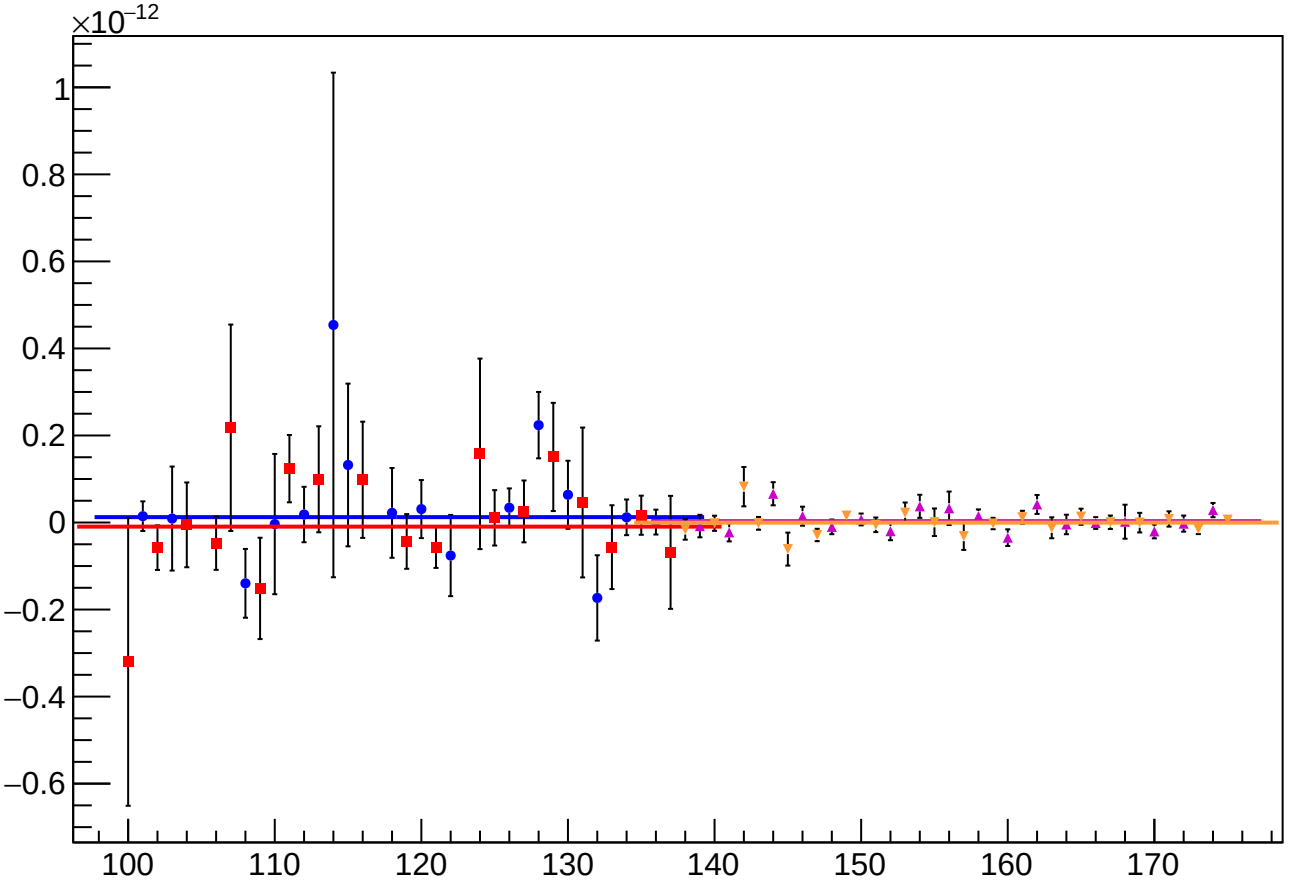
Left In: 1962.171+/-0.360 χ^2/NDF:81481.2/17

+ sign 2004.840+/-0.298 χ^2/NDF: 910867.6/35

All: 2012.011+/-0.213 χ^2/NDF: 1908424.7/72

- sign 2019.572+/-0.306 χ^2/NDF: 996366.6/36

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/19

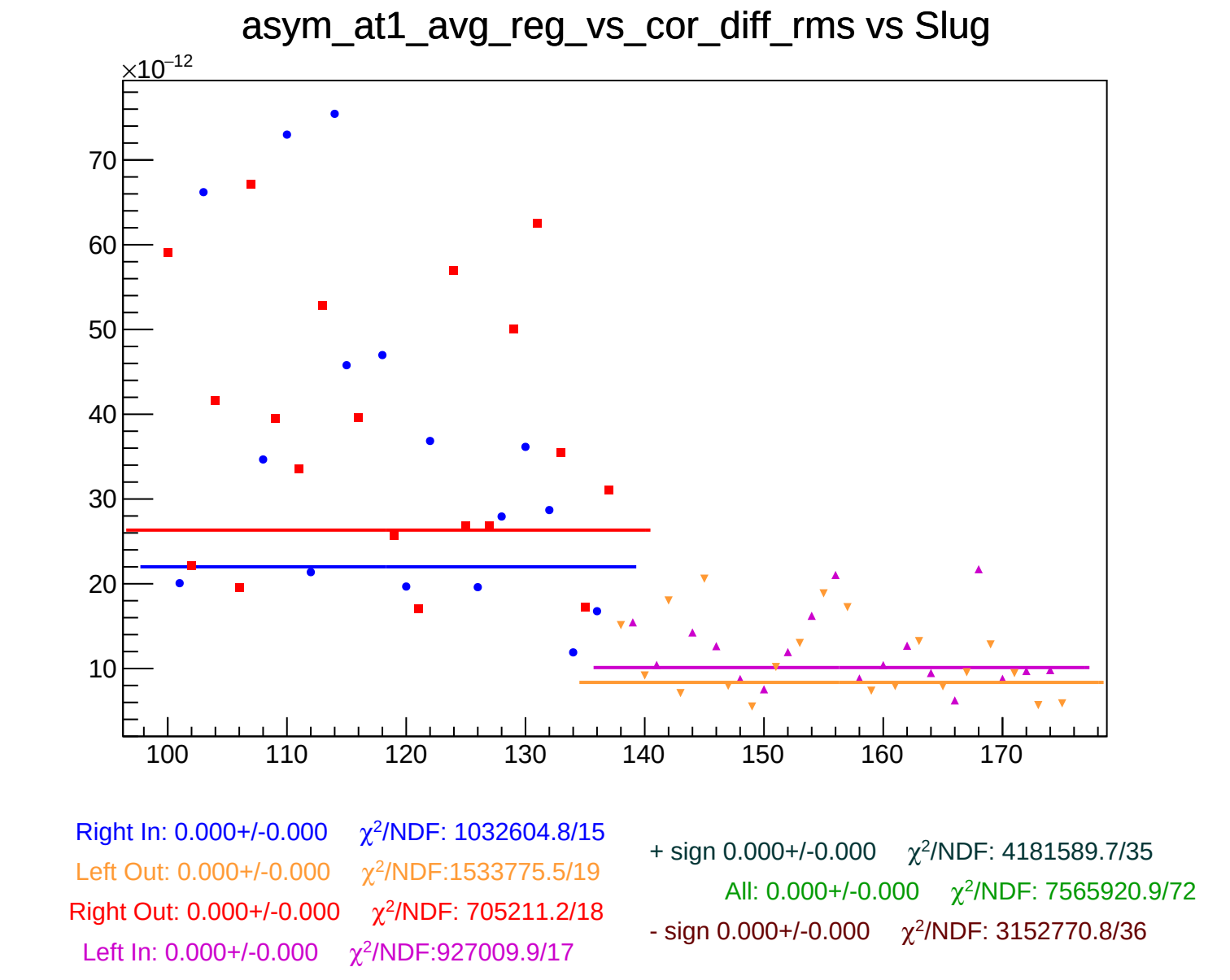
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:24.3/17

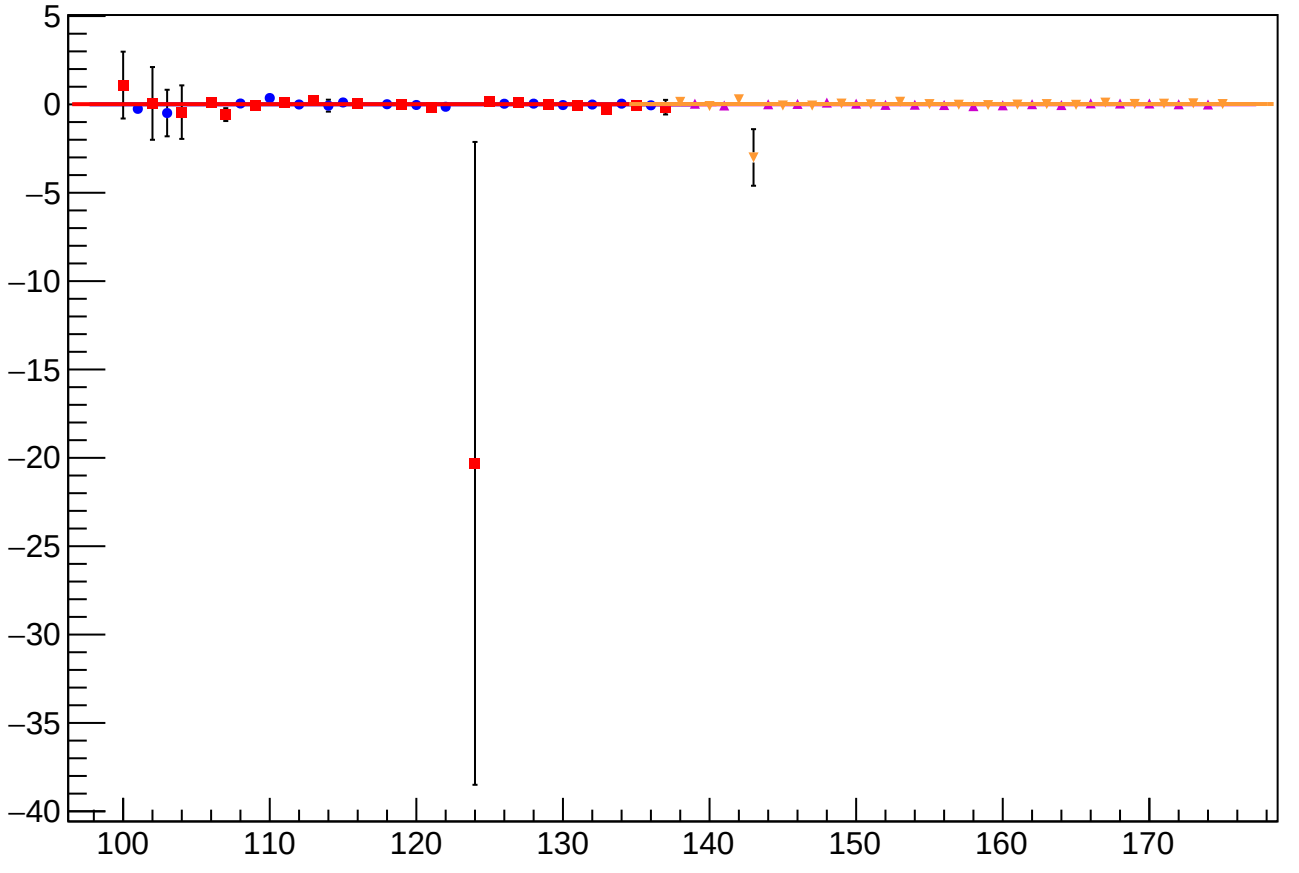
+ sign 0.000+/-0.000 χ^2/NDF: 36.6/35

All: 0.000+/-0.000 χ^2/NDF: 75.2/72

- sign 0.000+/-0.000 χ^2/NDF: 38.5/36


asym_at1_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1533775.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:927009.9/17
+ sign 0.000+/-0.000 χ²/NDF: 4181589.7/35
All: 0.000+/-0.000 χ²/NDF: 7565920.9/72
- sign 0.000+/-0.000 χ²/NDF: 3152770.8/36

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.013 χ^2/NDF:25.0/19

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

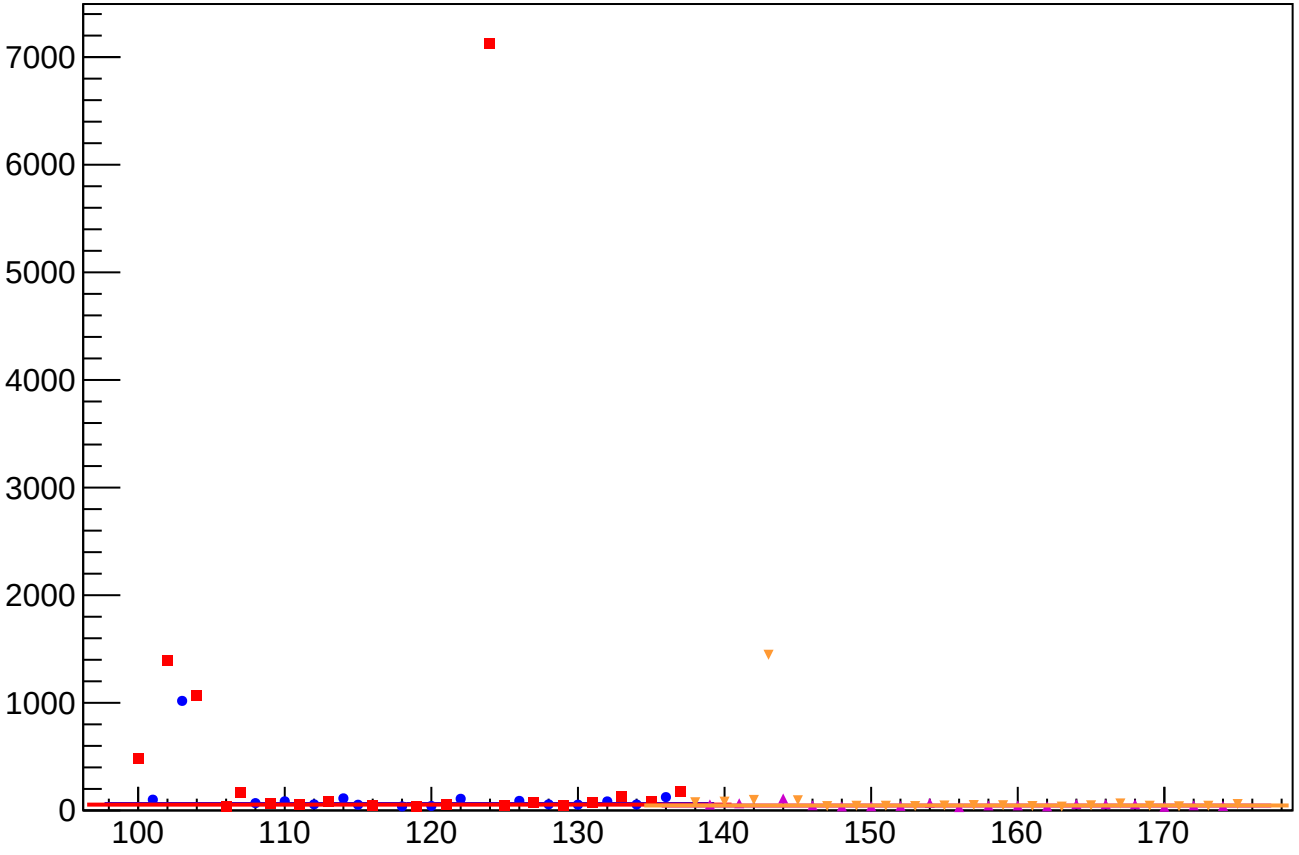
Left In: 0.008+/-0.013 χ^2/NDF:14.5/17

+ sign 0.017+/-0.012 χ^2/NDF: 36.7/35

All: 0.013+/-0.008 χ^2/NDF: 69.1/72

- sign 0.009+/-0.012 χ^2/NDF: 32.1/36

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.338+/-0.009 χ^2/NDF:3063993.2/19

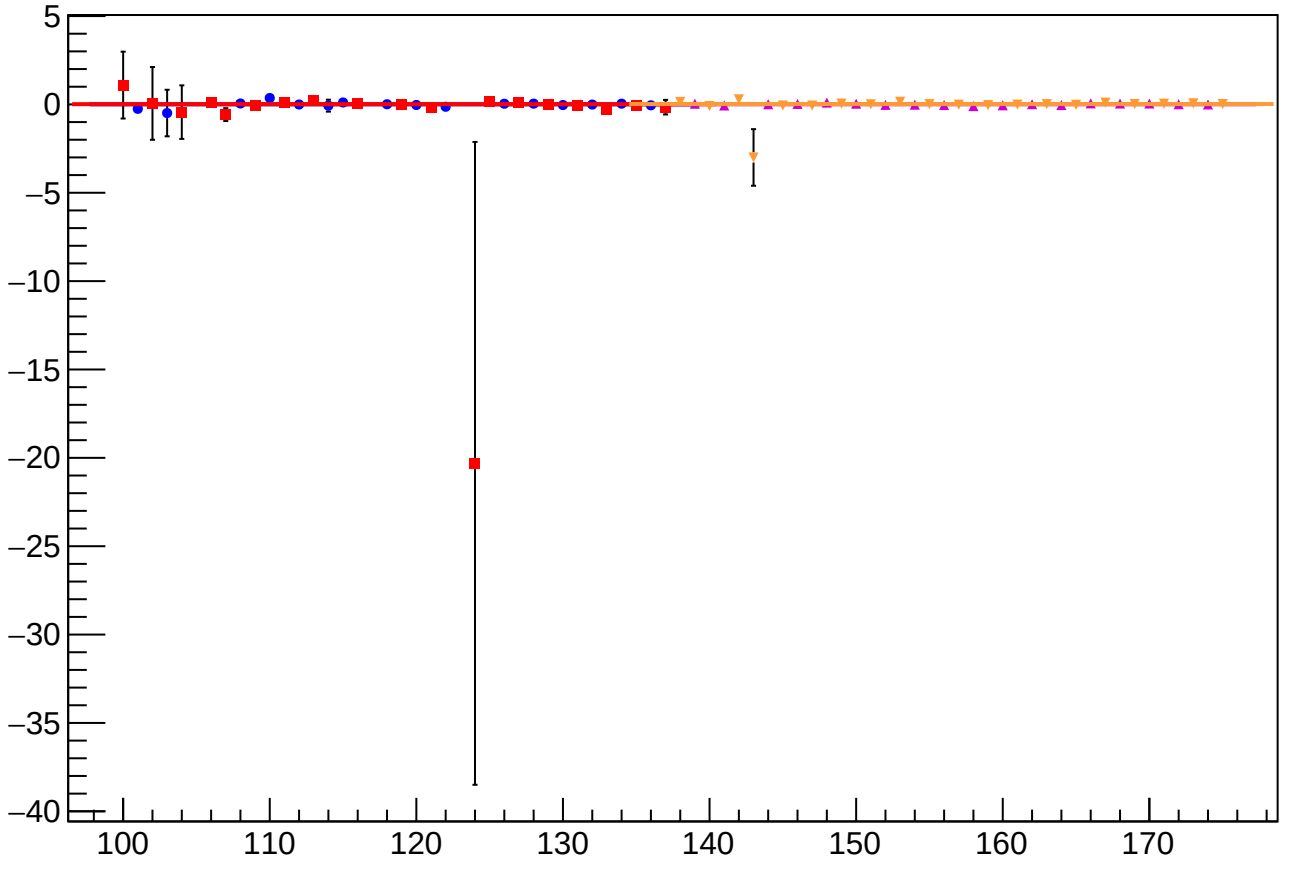
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.322+/-0.009 χ^2/NDF:1688600.6/17

+ sign 49.039+/-0.008 χ^2/NDF: 6011416.1/35

All: 48.095+/-0.006 χ^2/NDF: 11435691.1/72

- sign 47.178+/-0.008 χ^2/NDF: 5399662.9/36



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.013 χ^2/NDF:25.0/19

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

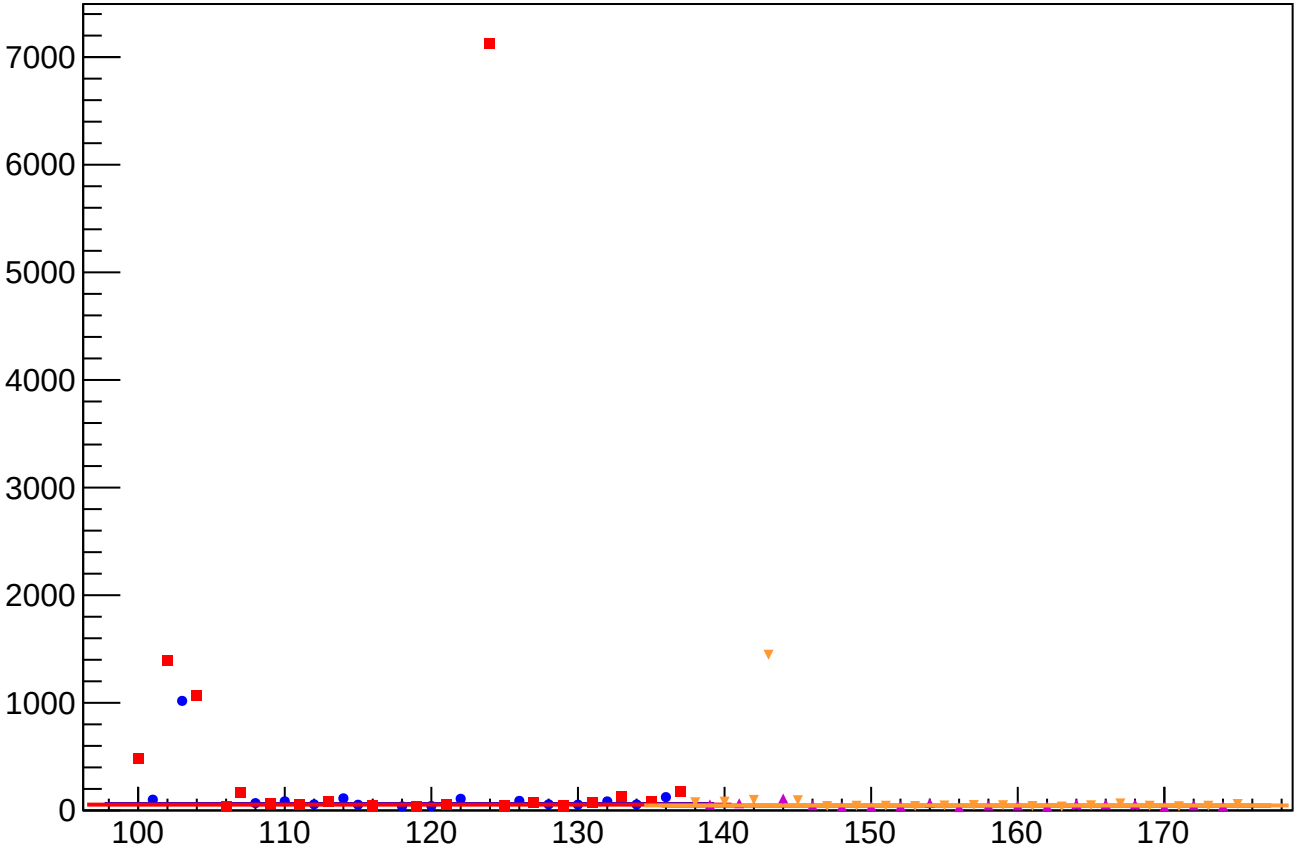
Left In: 0.008+/-0.013 χ^2/NDF:14.5/17

+ sign 0.017+/-0.012 χ^2/NDF: 36.7/35

All: 0.013+/-0.008 χ^2/NDF: 69.1/72

- sign 0.009+/-0.012 χ^2/NDF: 32.1/36

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.338+/-0.009 χ^2/NDF:3063993.2/19

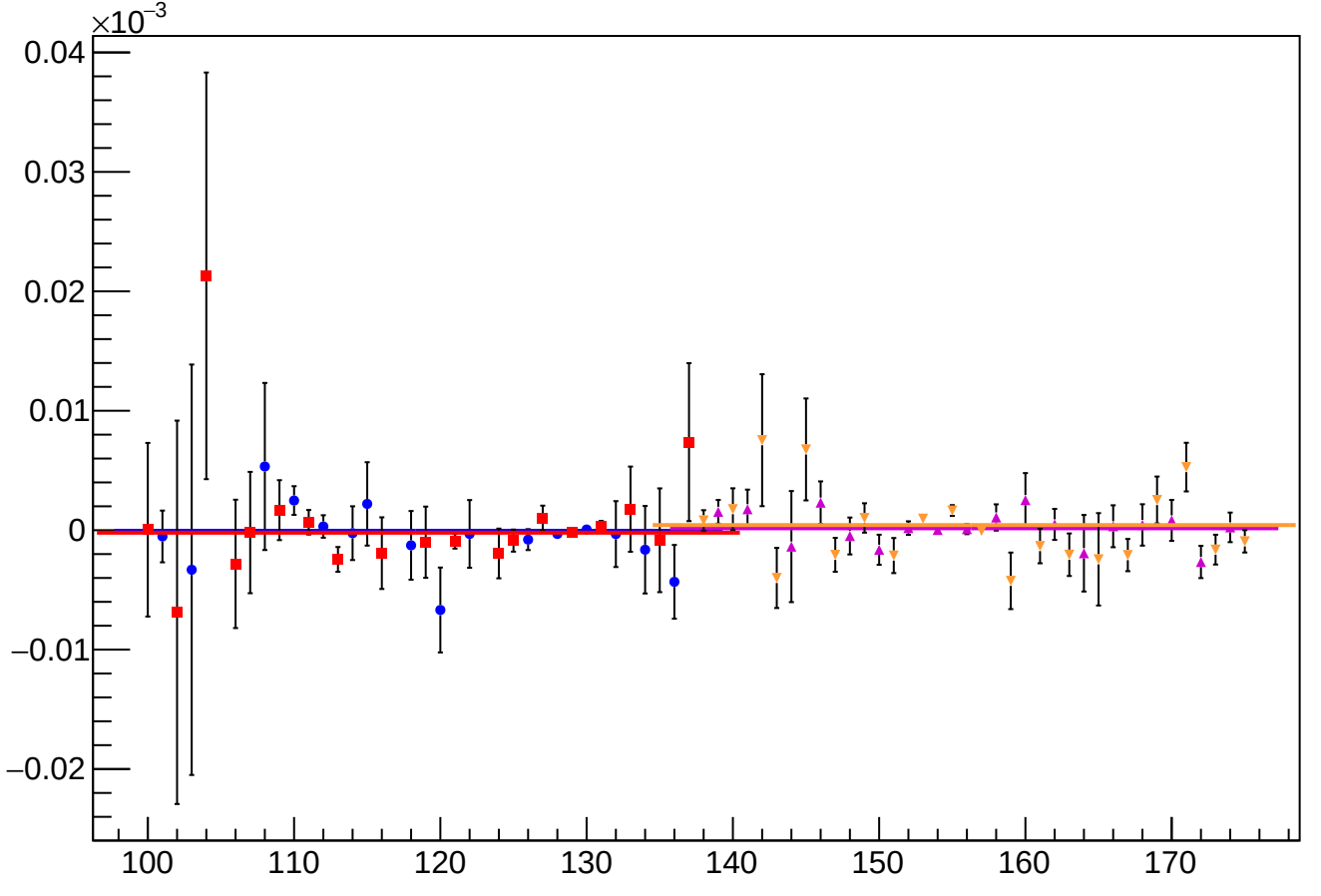
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.322+/-0.009 χ^2/NDF:1688600.6/17

+ sign 49.039+/-0.008 χ^2/NDF: 6011416.1/35

All: 48.095+/-0.006 χ^2/NDF: 11435691.1/72

- sign 47.178+/-0.008 χ^2/NDF: 5399662.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

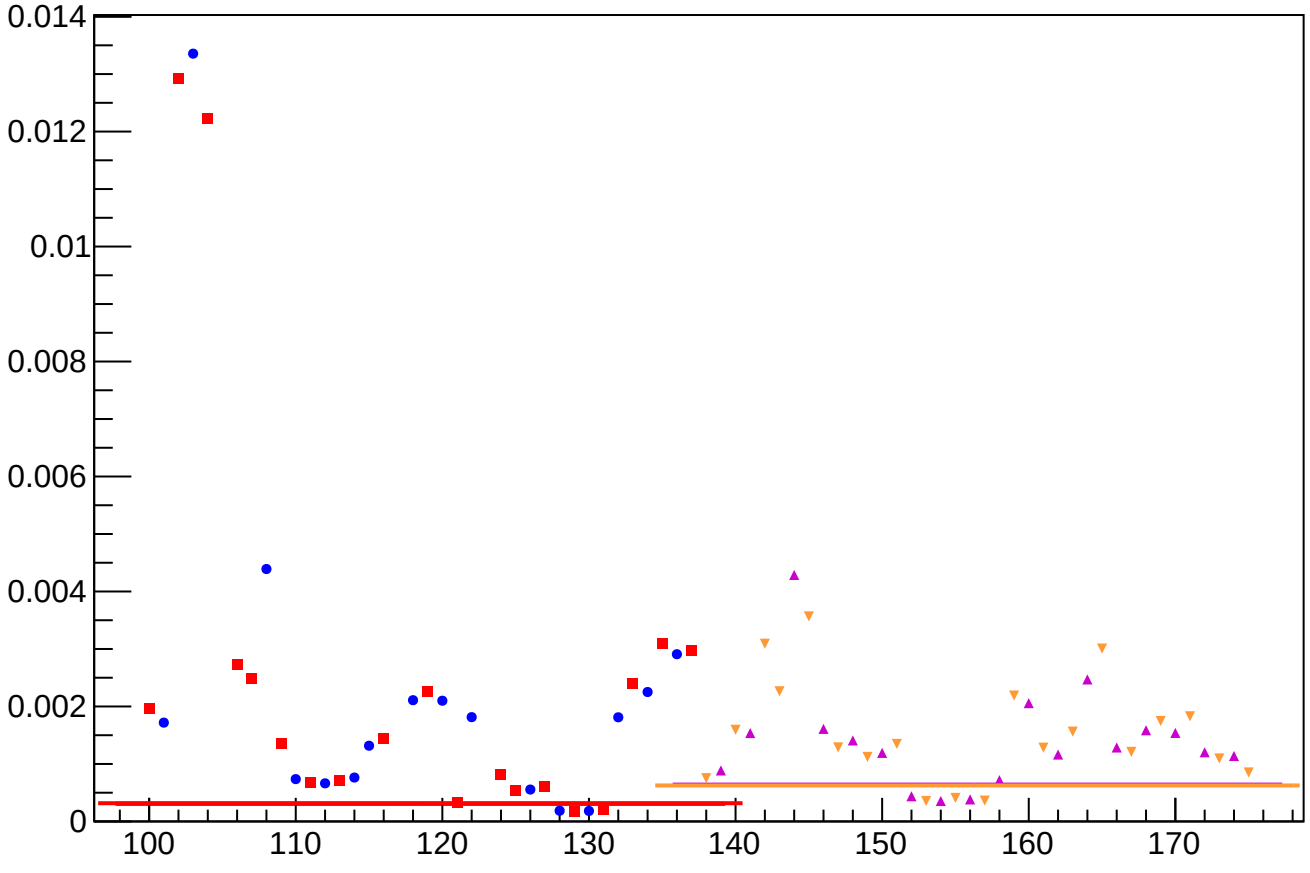
Left In: 0.000+/-0.000 χ^2/NDF:13.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 63.5/35

All: 0.000+/-0.000 χ^2/NDF: 95.7/72

- sign -0.000+/-0.000 χ^2/NDF: 30.9/36

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:11115223.2/19

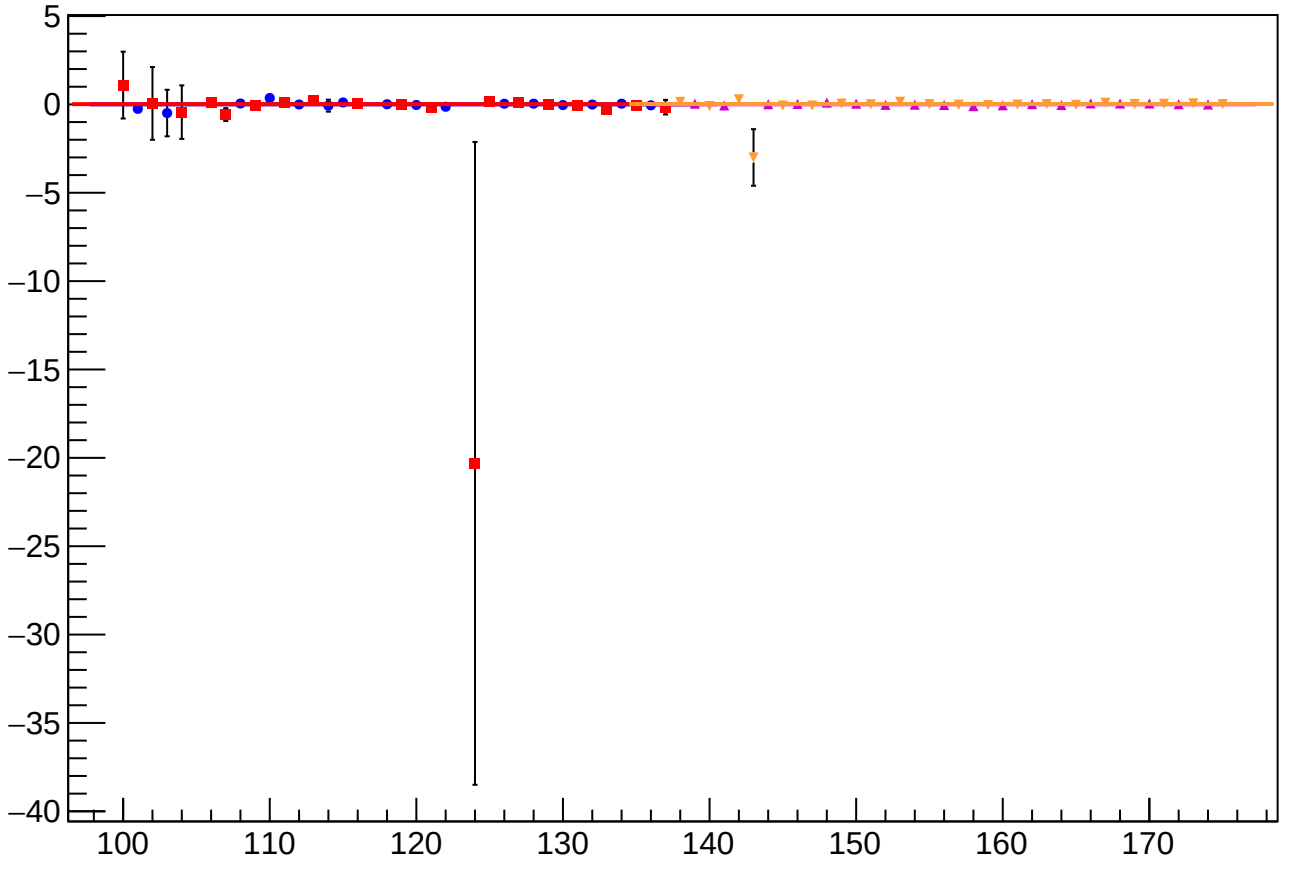
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9393483.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 22490650.9/35

All: 0.000+/-0.000 χ^2/NDF: 42452050.9/72

- sign 0.000+/-0.000 χ^2/NDF: 19961331.4/36



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.013 χ^2/NDF:25.0/19

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

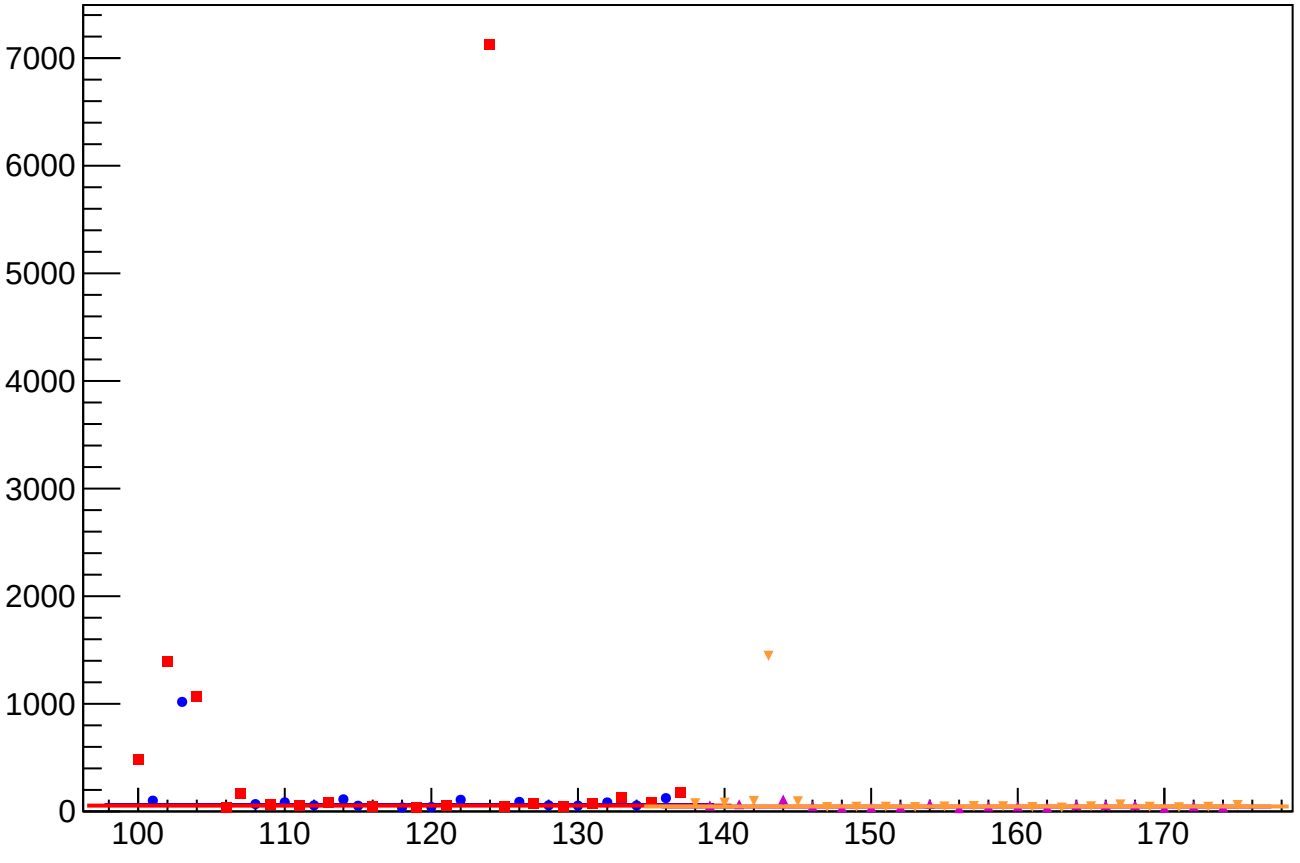
Left In: 0.008+/-0.013 χ^2/NDF:14.5/17

+ sign 0.017+/-0.012 χ^2/NDF: 36.7/35

All: 0.013+/-0.008 χ^2/NDF: 69.1/72

- sign 0.009+/-0.012 χ^2/NDF: 32.1/36

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.339+/-0.009 χ^2/NDF:3063972.6/19

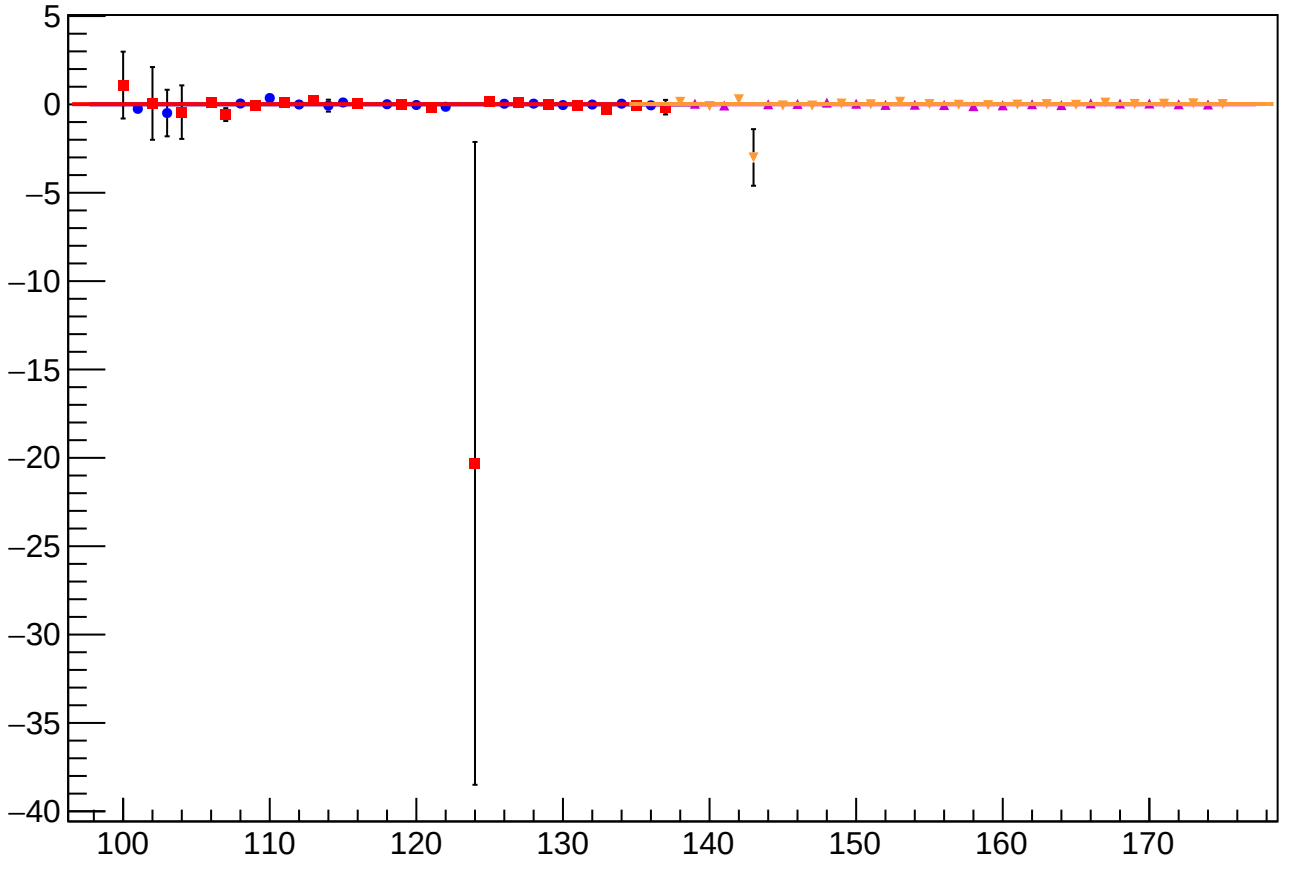
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.322+/-0.009 χ^2/NDF:1688603.0/17

+ sign 49.039+/-0.008 χ^2/NDF: 6011384.7/35

All: 48.095+/-0.006 χ^2/NDF: 11435690.2/72

- sign 47.178+/-0.008 χ^2/NDF: 5399684.5/36



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.013 χ^2/NDF:25.0/19

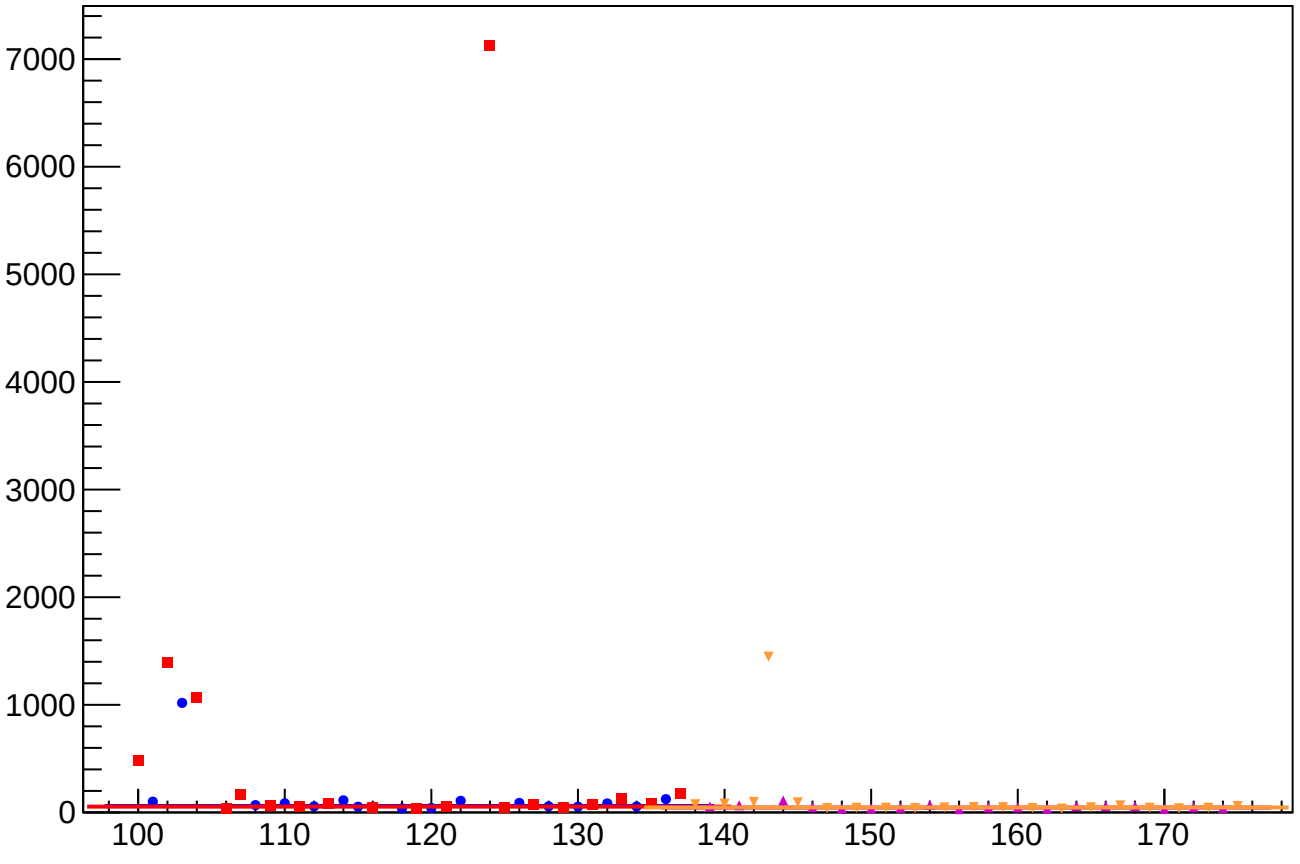
Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.008+/-0.013 χ^2/NDF:14.5/17

+ sign 0.017+/-0.012 χ^2/NDF: 36.7/35

All: 0.013+/-0.008 χ^2/NDF: 69.1/72

- sign 0.009+/-0.012 χ^2/NDF: 32.1/36



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.339+/-0.009 χ^2/NDF:3063972.6/19

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

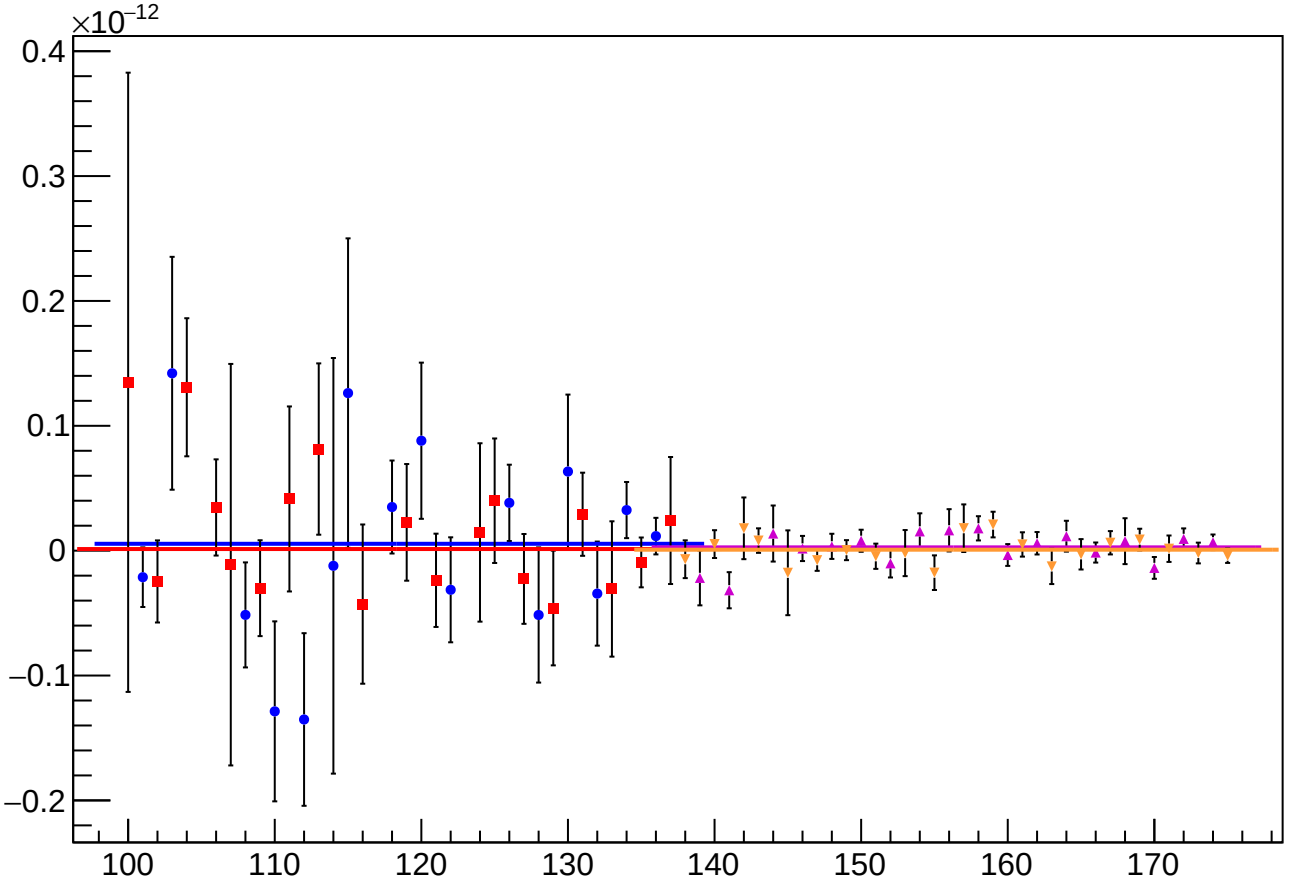
Left In: 45.322+/-0.009 χ^2/NDF:1688603.0/17

+ sign 49.039+/-0.008 χ^2/NDF: 6011384.7/35

All: 48.095+/-0.006 χ^2/NDF: 11435690.2/72

- sign 47.178+/-0.008 χ^2/NDF: 5399684.5/36

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/19

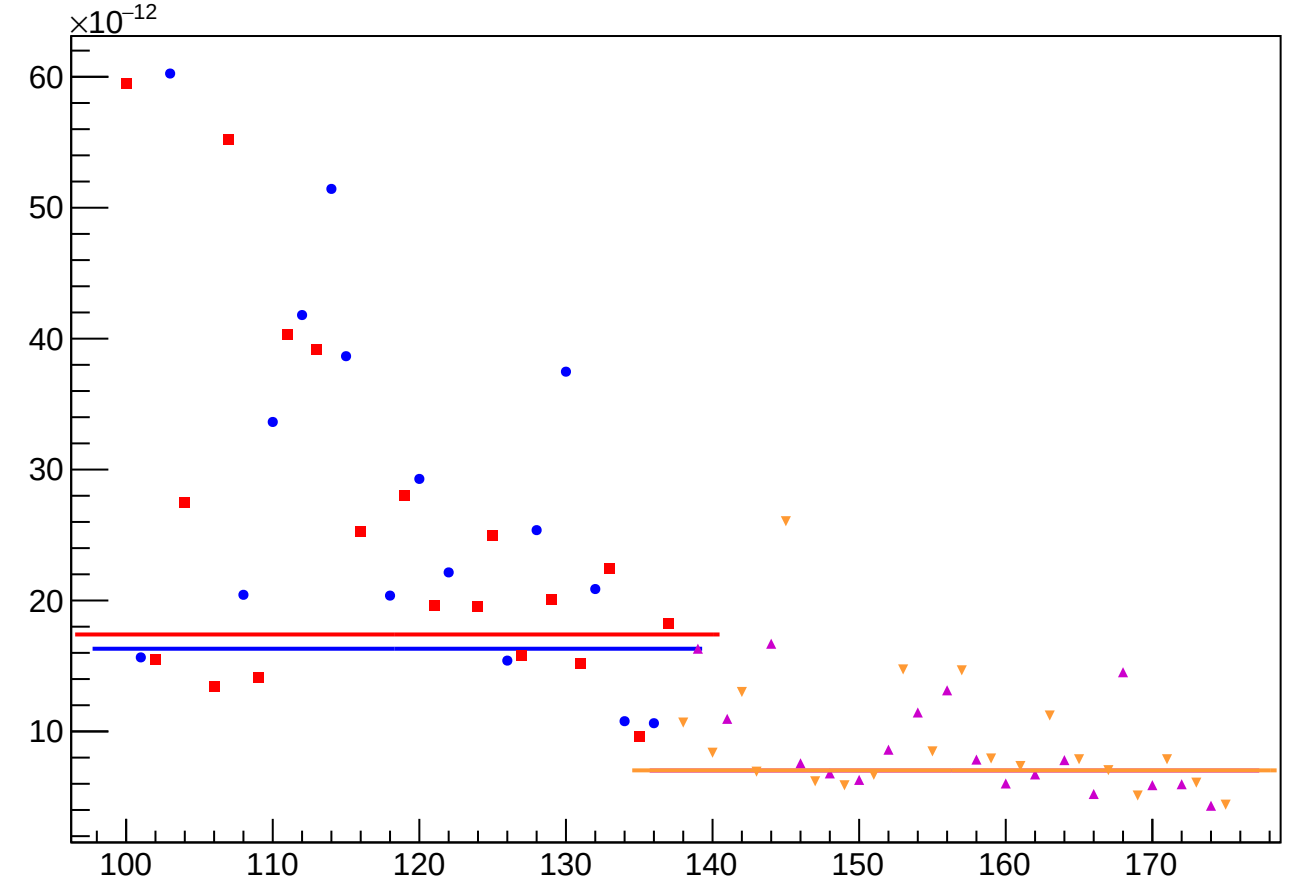
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/35

All: 0.000+/-0.000 χ^2/NDF: 68.8/72

- sign 0.000+/-0.000 χ^2/NDF: 33.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2395307.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

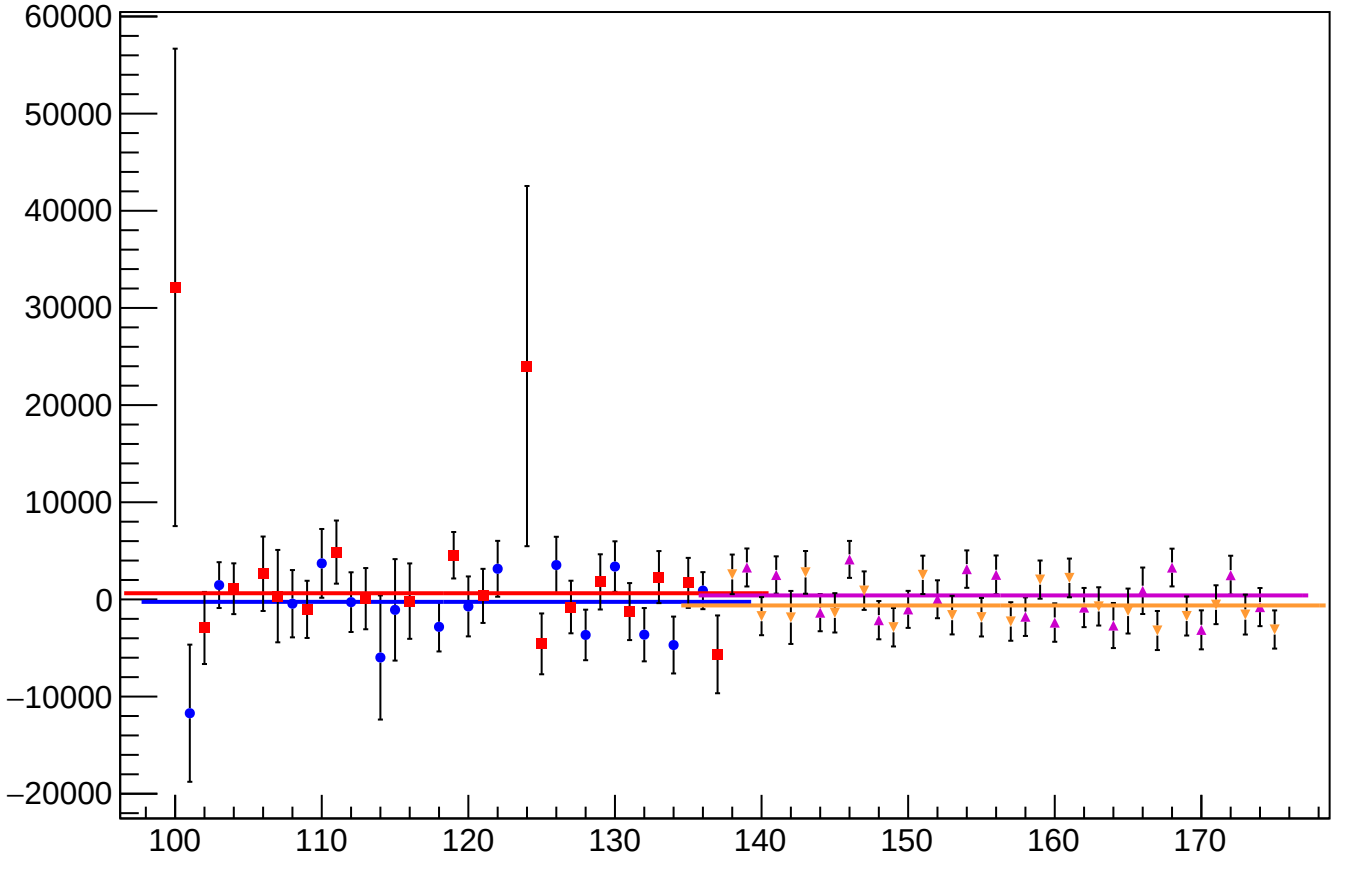
Left In: 0.000+/-0.000 χ^2/NDF:2307518.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 6443207.4/35

All: 0.000+/-0.000 χ^2/NDF: 12078166.7/72

- sign 0.000+/-0.000 χ^2/NDF: 5634628.0/36

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -621.358+/-455.874 χ^2/NDF:18.9/19

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

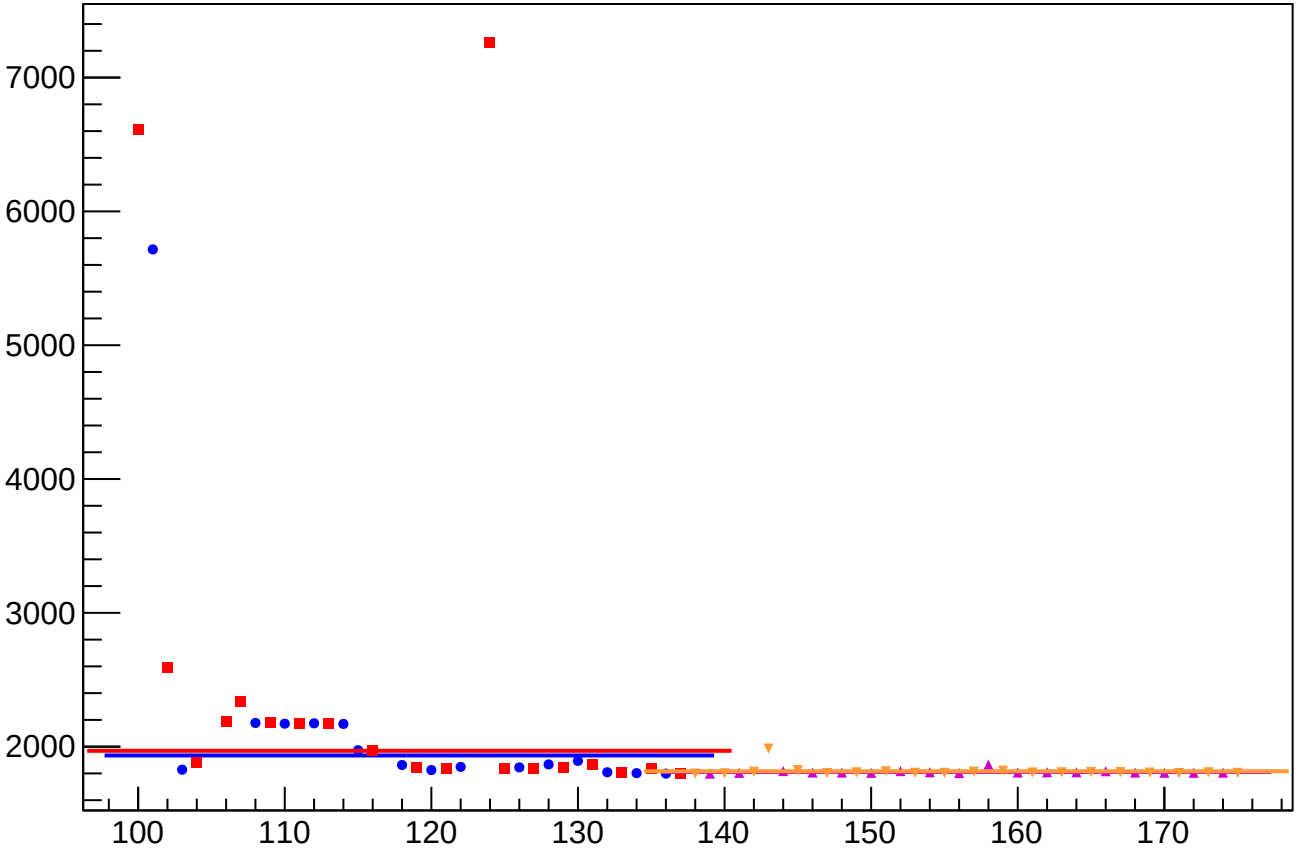
Left In: 411.000+/-469.417 χ^2/NDF:25.6/17

+ sign -518.571+/-387.424 χ^2/NDF: 36.4/35

All: -31.710+/-276.827 χ^2/NDF: 81.1/72

- sign 476.150+/-395.691 χ^2/NDF: 41.5/36

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1816.141+/-0.322 χ^2/NDF:12849.1/19

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

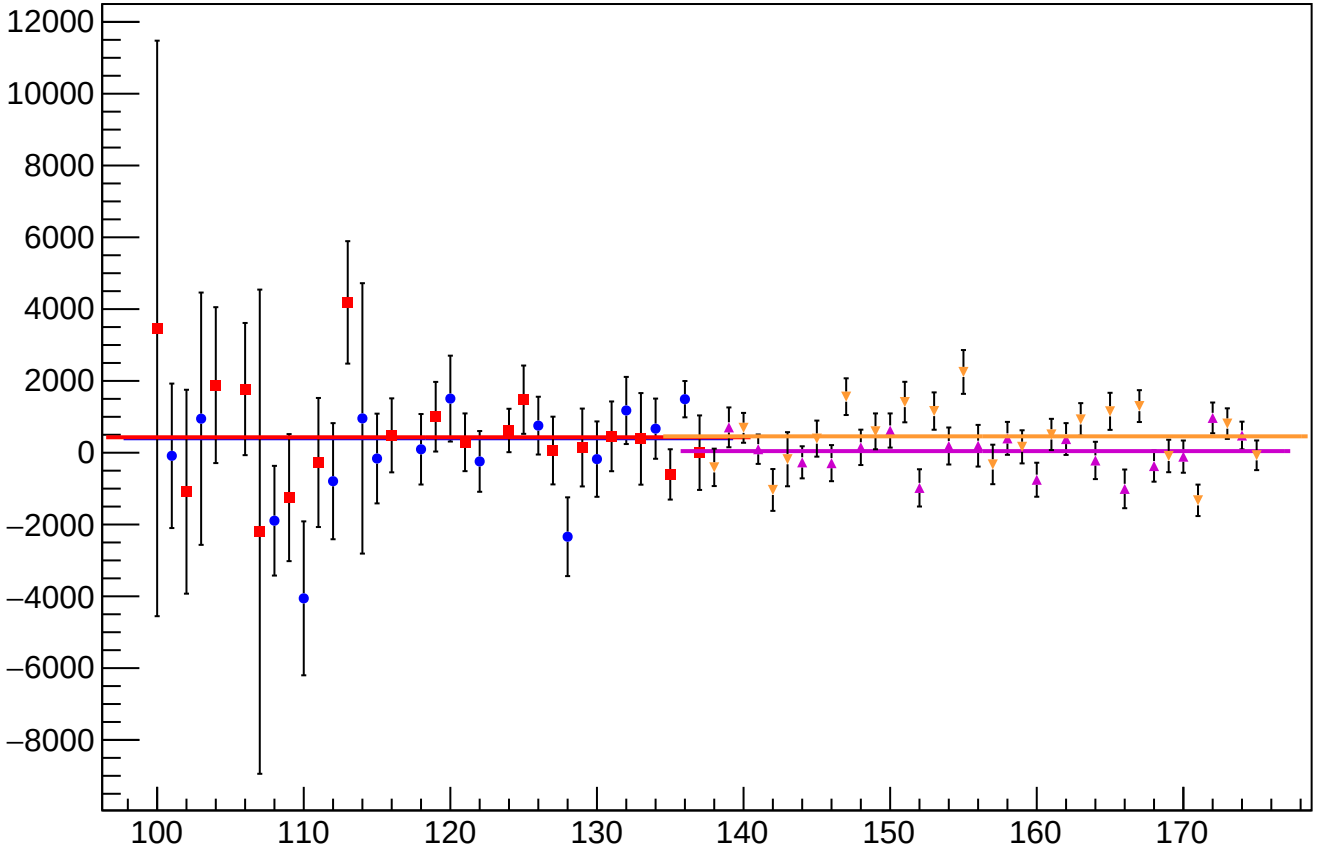
Left In: 1810.890+/-0.332 χ^2/NDF:1801.3/17

+ sign 1848.938+/-0.274 χ^2/NDF: 690036.2/35

All: 1852.744+/-0.196 χ^2/NDF: 1136456.6/72

- sign 1856.714+/-0.280 χ^2/NDF: 446026.0/36

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 456.129+/-109.156 χ^2/NDF:57.7/19

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

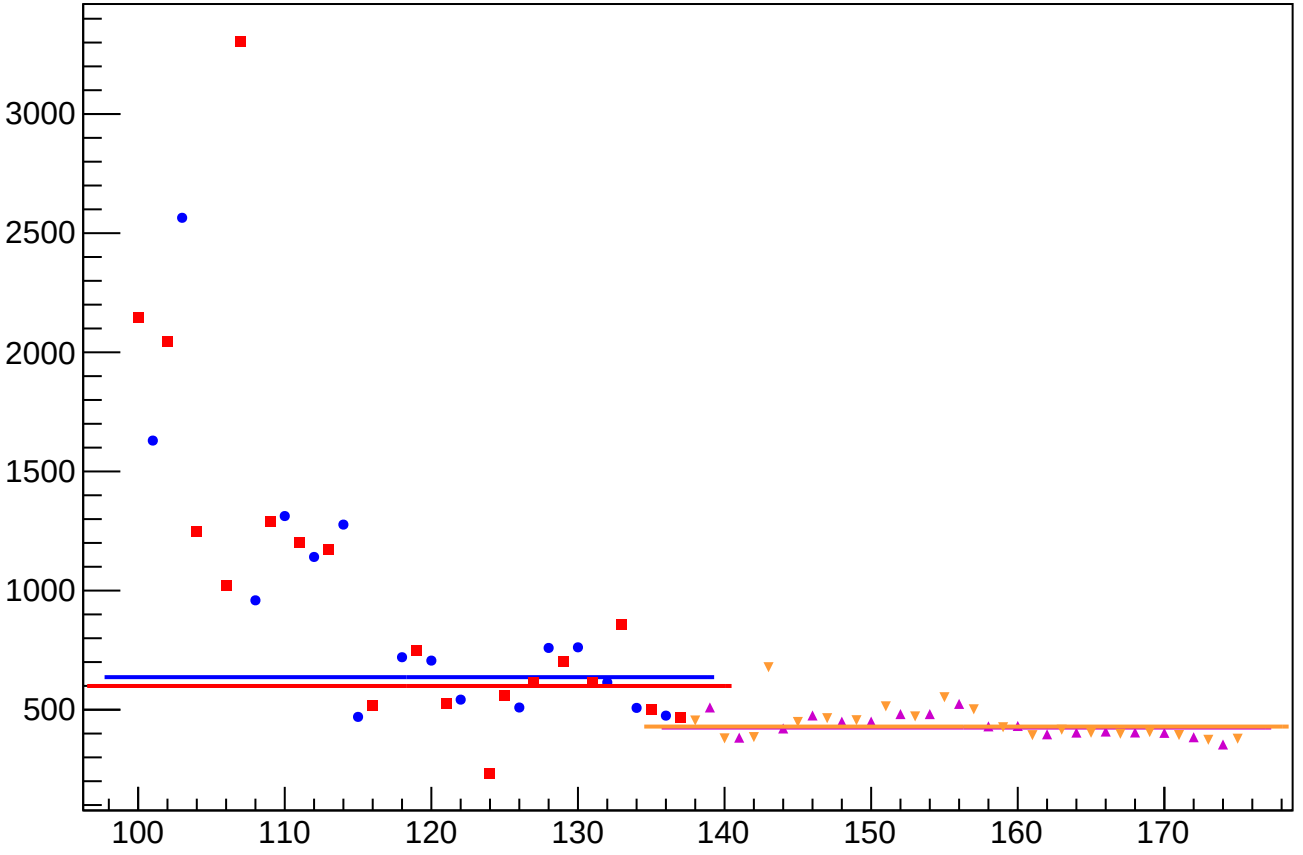
Left In: 44.752+/-111.127 χ^2/NDF:22.9/17

+ sign 448.036+/-100.563 χ^2/NDF: 78.9/35

All: 279.561+/-71.519 χ^2/NDF: 121.2/72

- sign 107.141+/-101.733 χ^2/NDF: 36.6/36

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 429.292+/-0.077 χ^2/NDF:568546.3/19

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

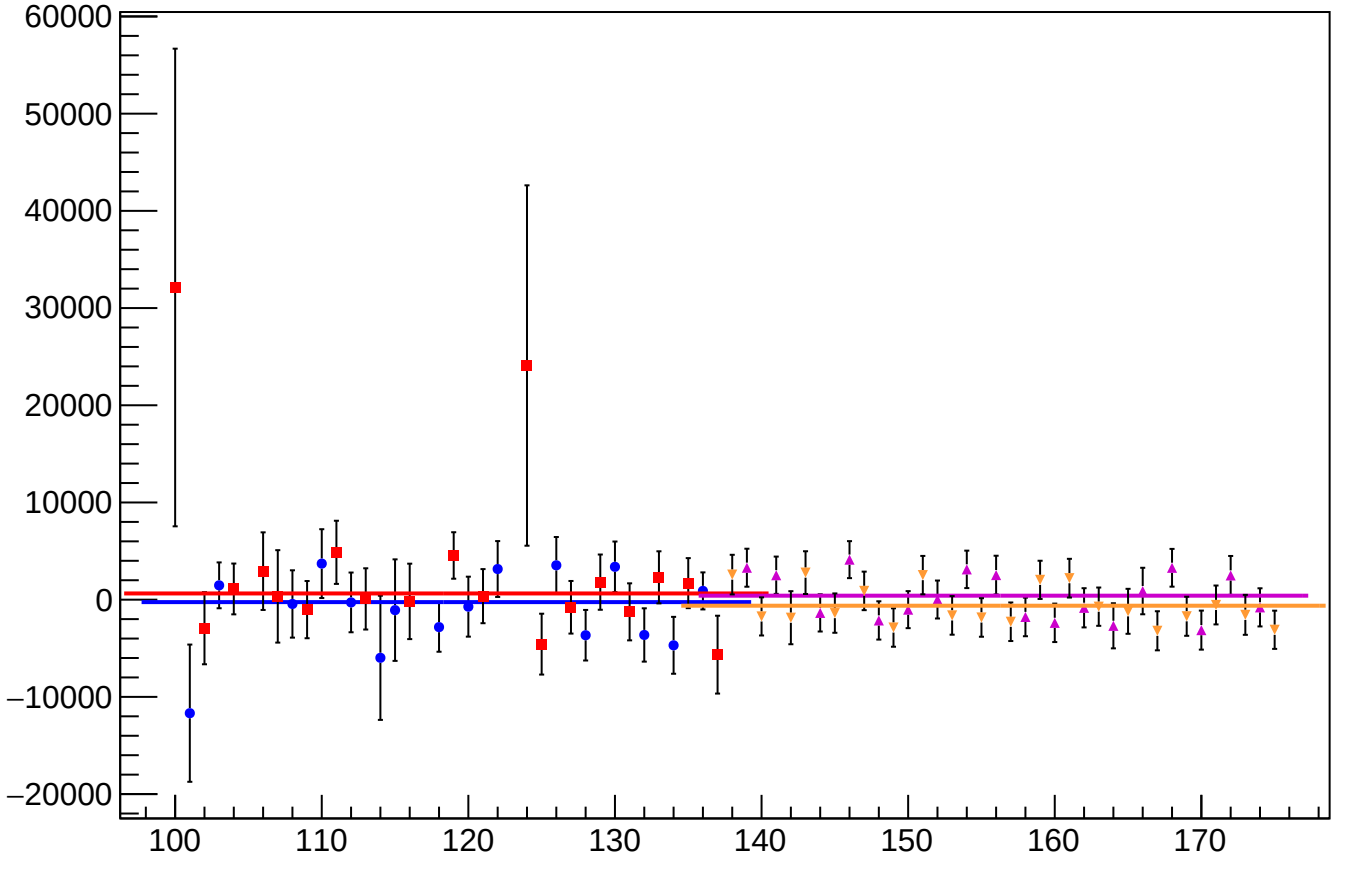
Left In: 425.094+/-0.079 χ^2/NDF:314402.4/17

+ sign 460.663+/-0.071 χ^2/NDF: 3727604.8/35

All: 457.051+/-0.051 χ^2/NDF: 7790164.9/72

- sign 453.355+/-0.072 χ^2/NDF: 4057339.5/36

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -621.383+/-455.874 χ^2/NDF:18.9/19

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

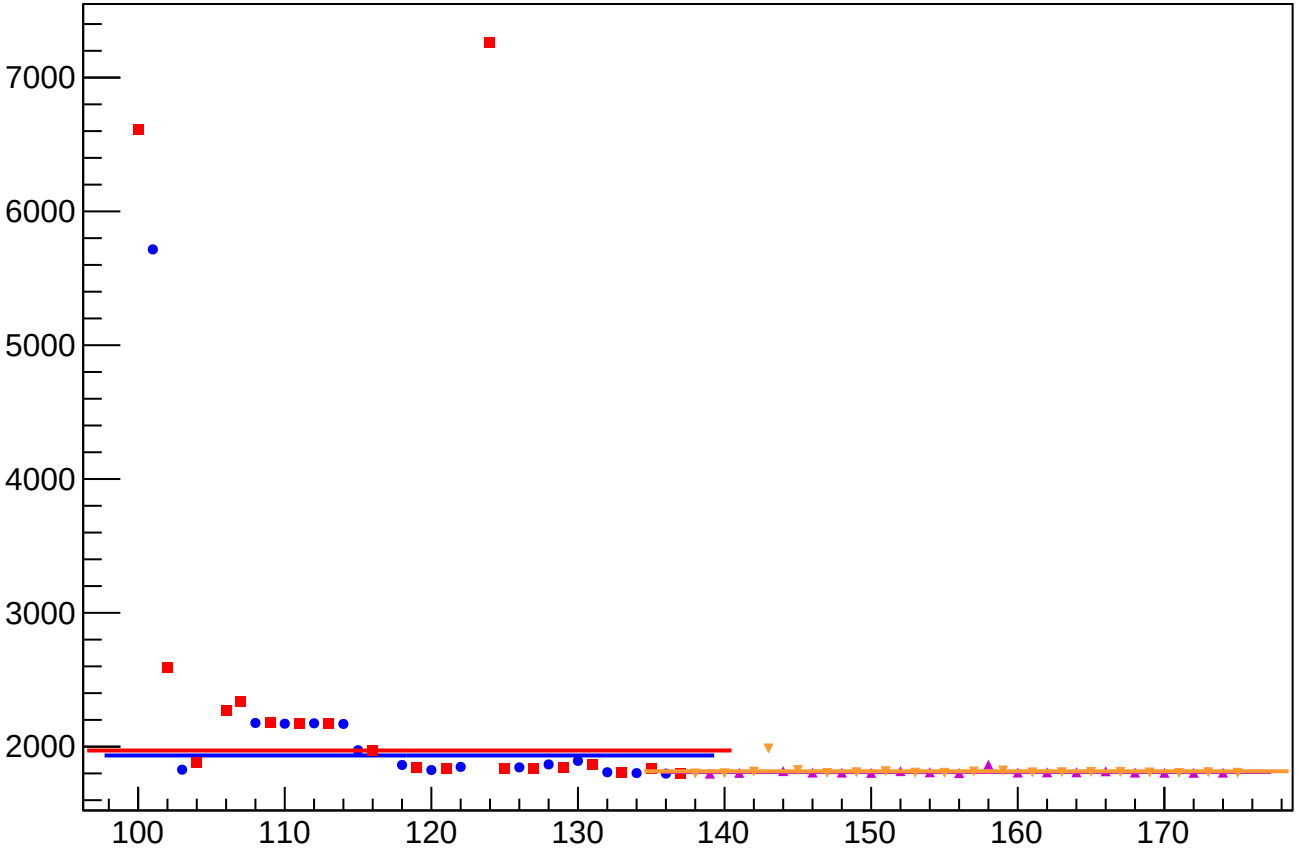
Left In: 410.995+/-469.417 χ^2/NDF:25.6/17

+ sign -518.364+/-387.424 χ^2/NDF: 36.3/35

All: -31.206+/-276.884 χ^2/NDF: 81.2/72

- sign 477.393+/-395.858 χ^2/NDF: 41.6/36

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1816.141+/-0.322 χ^2/NDF:12849.1/19

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

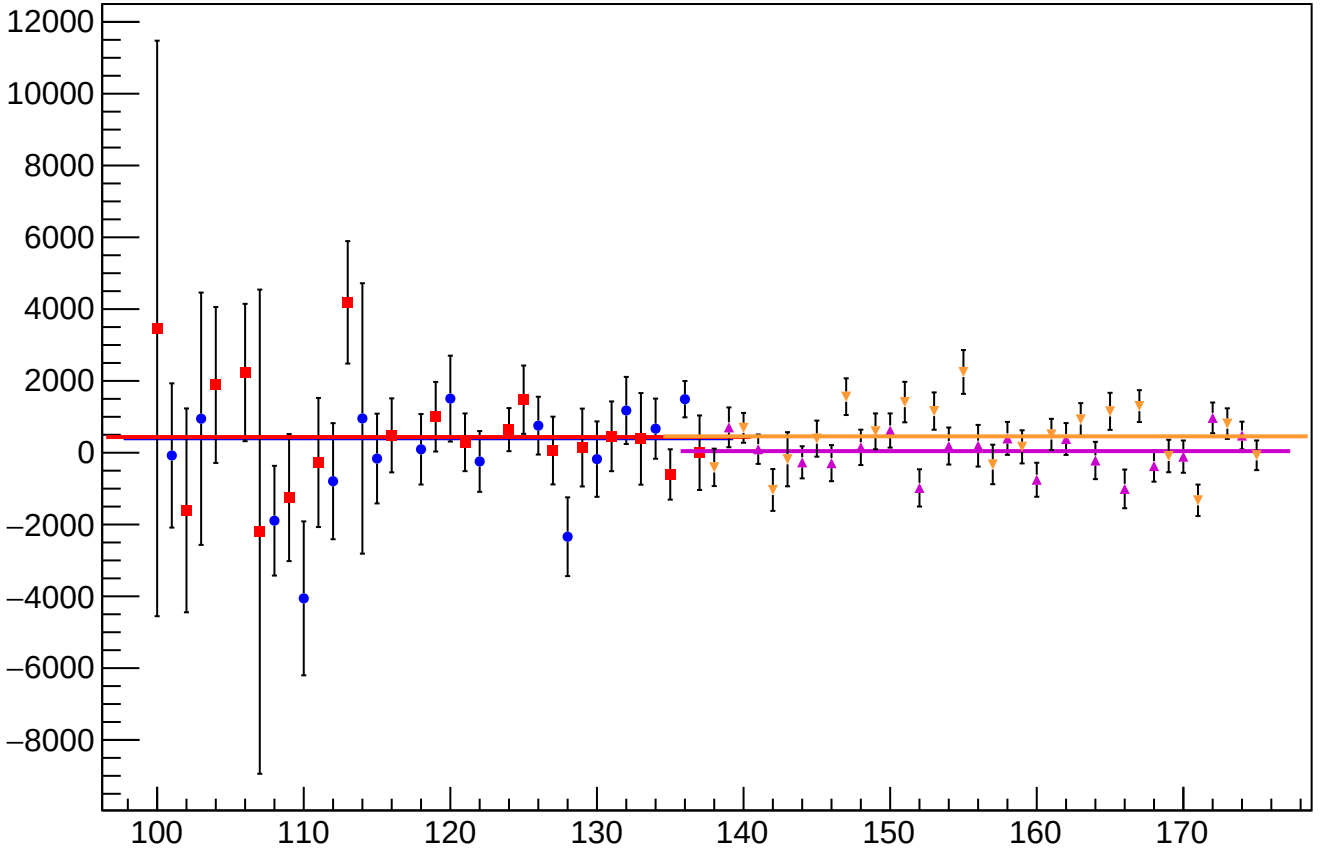
Left In: 1810.890+/-0.332 χ^2/NDF:1801.3/17

+ sign 1848.938+/-0.274 χ^2/NDF: 690036.1/35

All: 1853.000+/-0.196 χ^2/NDF: 1142972.3/72

- sign 1857.241+/-0.280 χ^2/NDF: 452486.8/36

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 456.118+/-109.156 χ^2/NDF:57.7/19

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

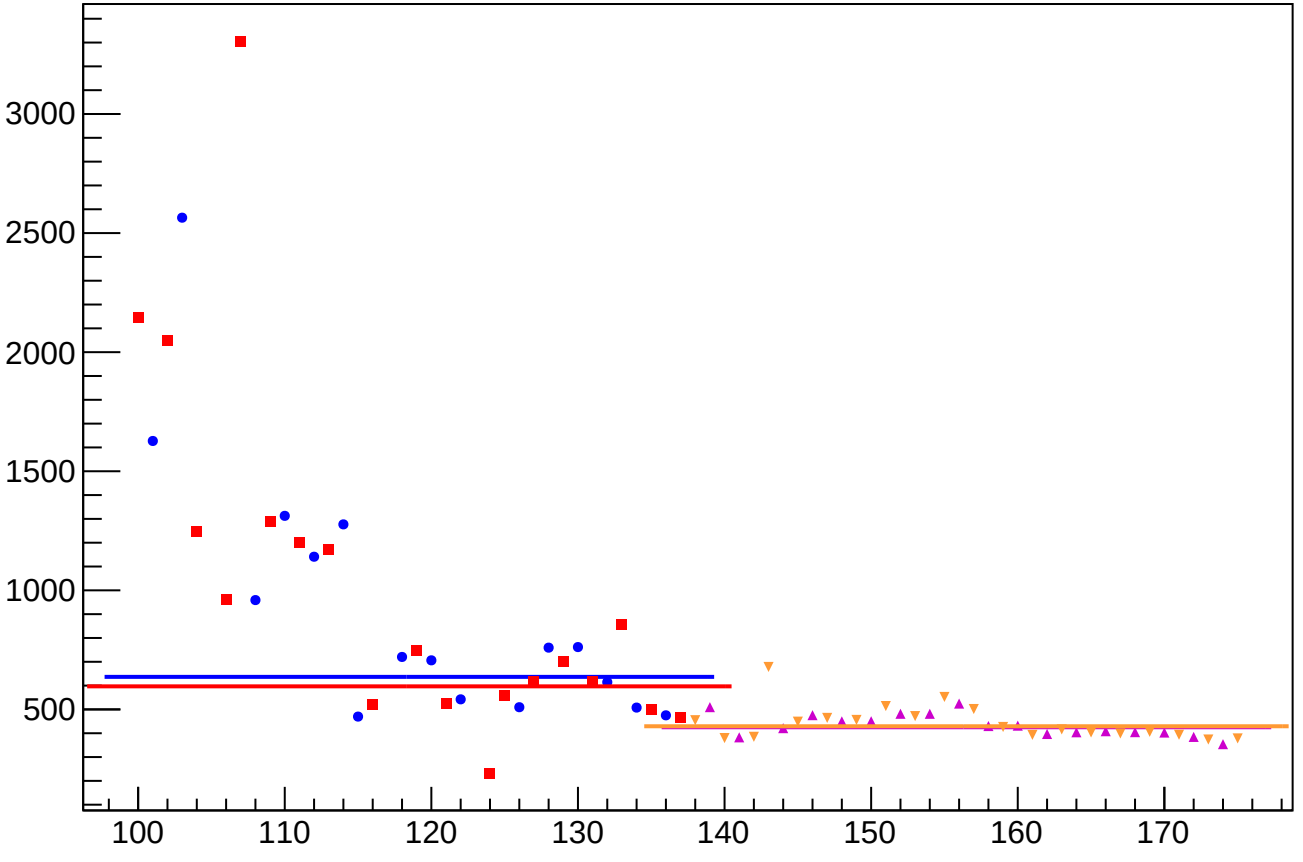
Left In: 44.735+/-111.126 χ^2/NDF:23.0/17

+ sign 448.038+/-100.562 χ^2/NDF: 78.9/35

All: 280.100+/-71.515 χ^2/NDF: 121.9/72

- sign 108.262+/-101.723 χ^2/NDF: 37.3/36

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 429.289+/-0.077 χ^2/NDF:568575.3/19

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

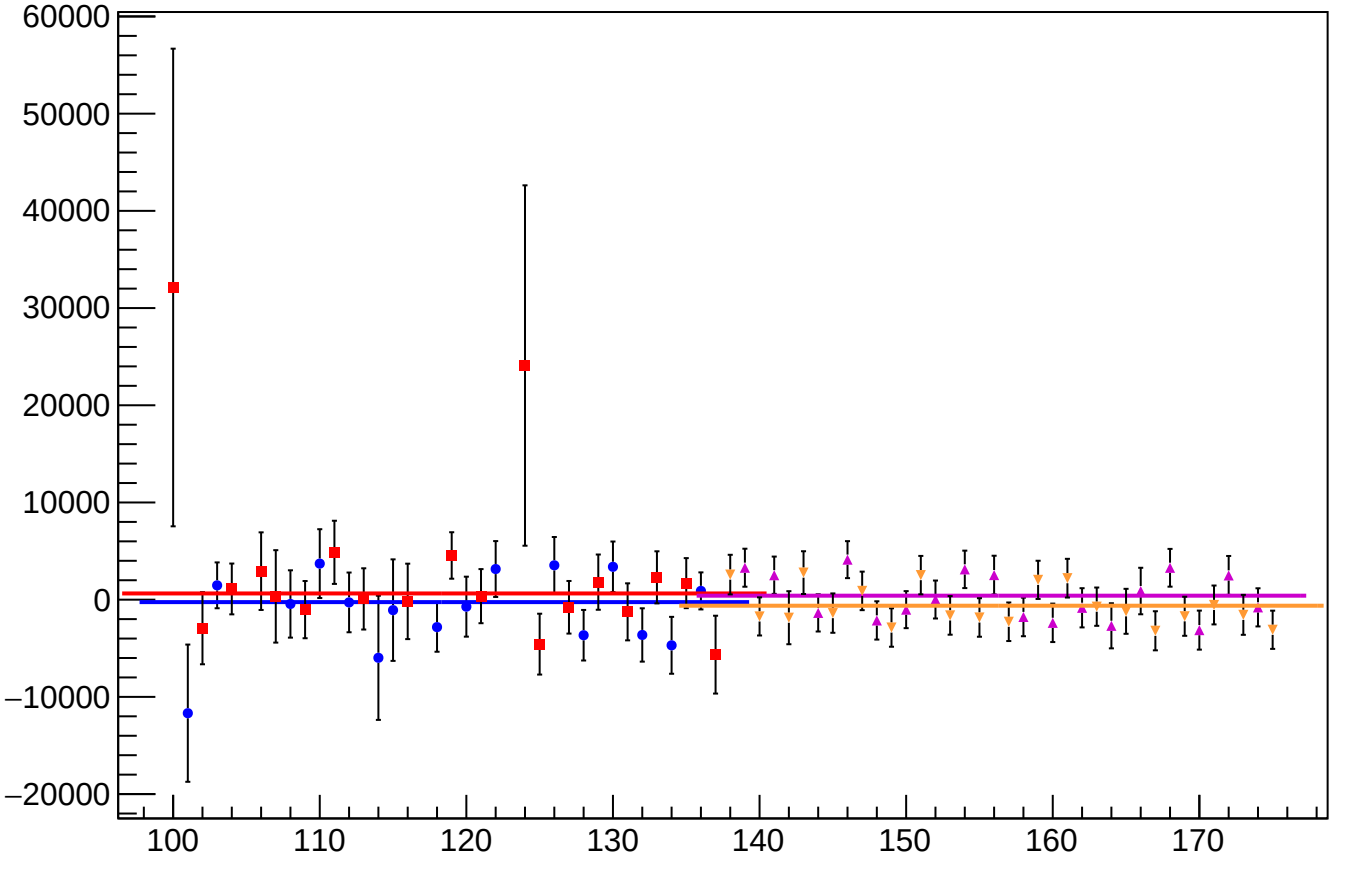
Left In: 425.090+/-0.079 χ^2/NDF:314426.2/17

+ sign 460.662+/-0.071 χ^2/NDF: 3726855.0/35

All: 456.841+/-0.051 χ^2/NDF: 7752069.2/72

- sign 452.930+/-0.072 χ^2/NDF: 4019370.8/36

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -621.383+/-455.874 χ^2/NDF:18.9/19

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

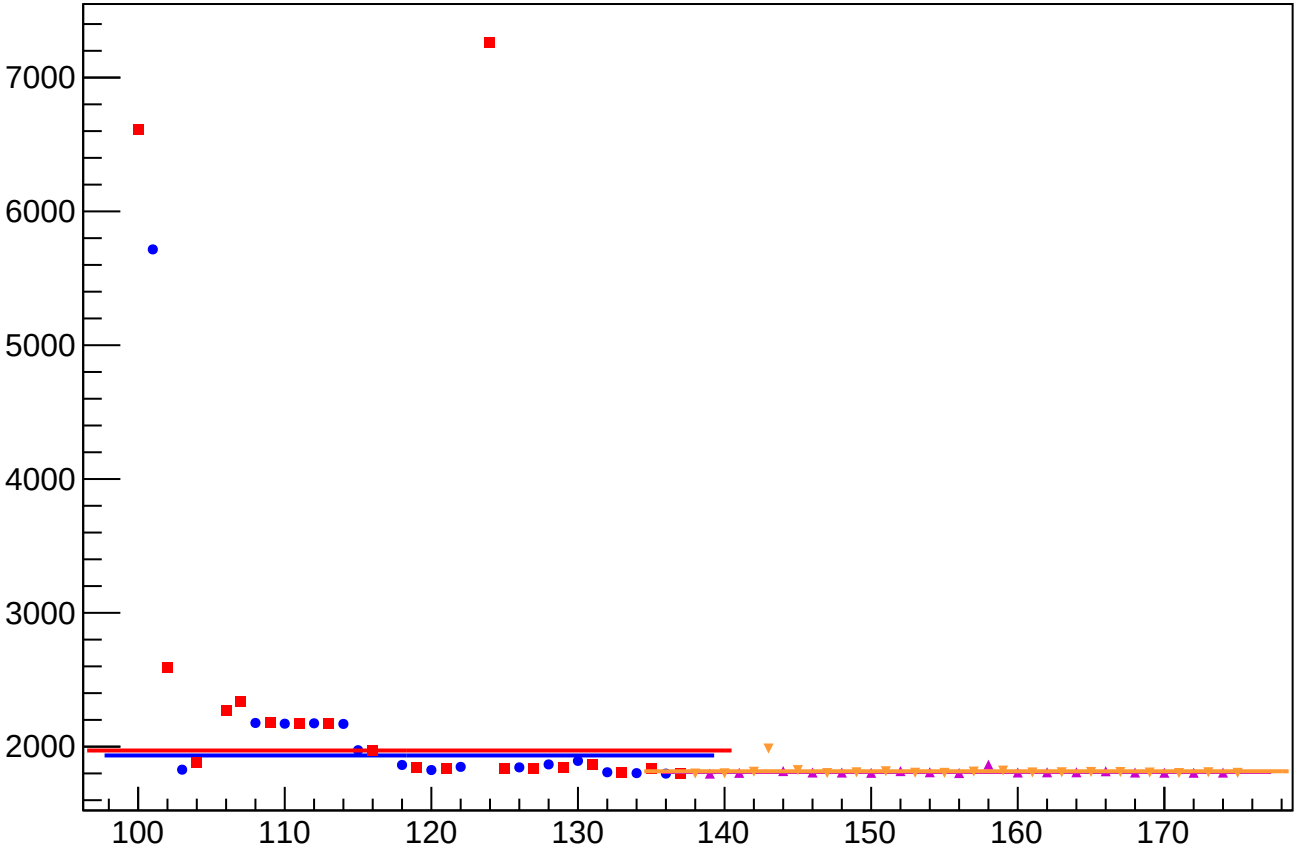
Left In: 410.995+/-469.417 χ^2/NDF:25.6/17

+ sign -518.364+/-387.424 χ^2/NDF: 36.3/35

All: -31.206+/-276.884 χ^2/NDF: 81.2/72

- sign 477.393+/-395.858 χ^2/NDF: 41.6/36

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1816.141+/-0.322 χ^2/NDF:12849.1/19

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

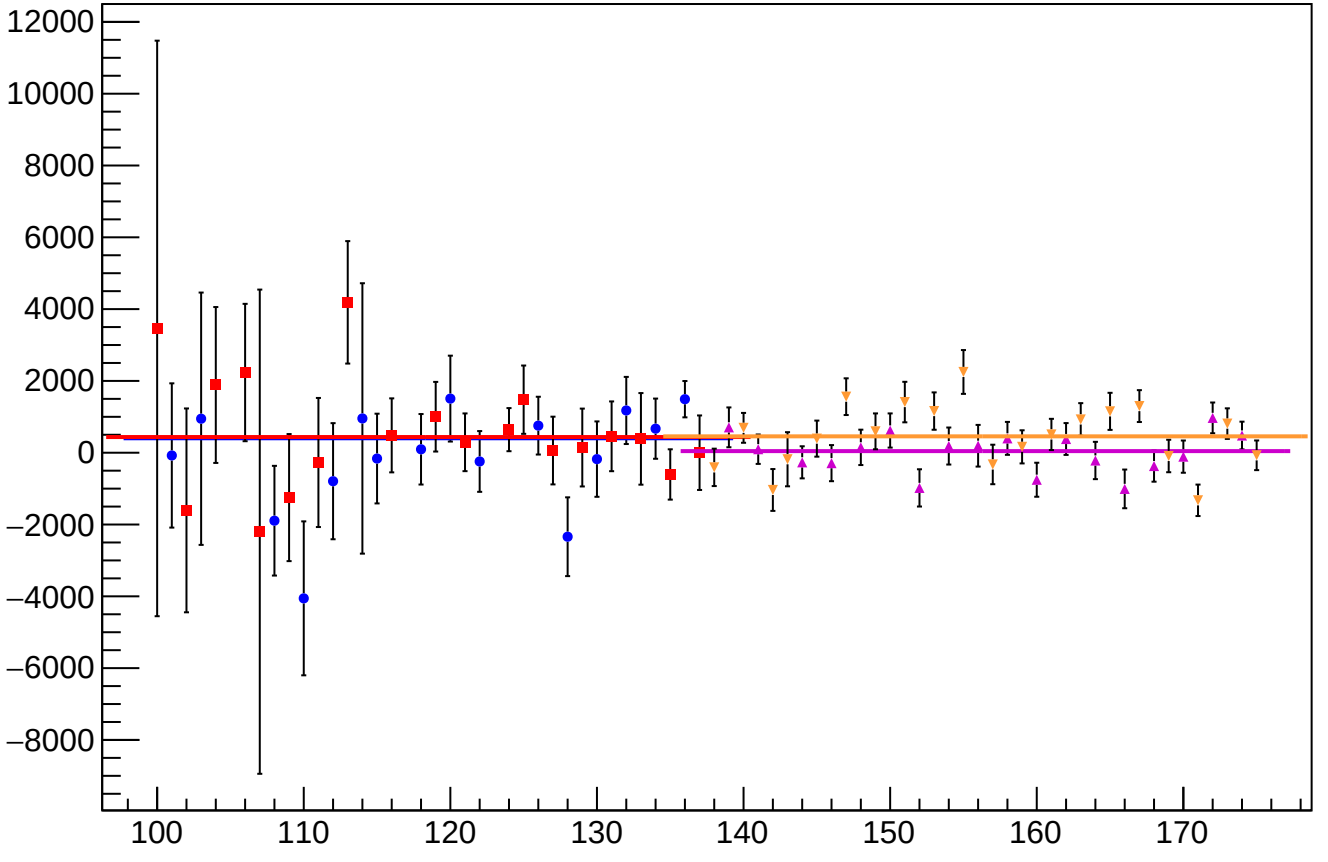
Left In: 1810.890+/-0.332 χ^2/NDF:1801.3/17

+ sign 1848.938+/-0.274 χ^2/NDF: 690036.1/35

All: 1853.000+/-0.196 χ^2/NDF: 1142972.3/72

- sign 1857.241+/-0.280 χ^2/NDF: 452486.8/36

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 456.118+/-109.156 χ^2/NDF:57.7/19

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

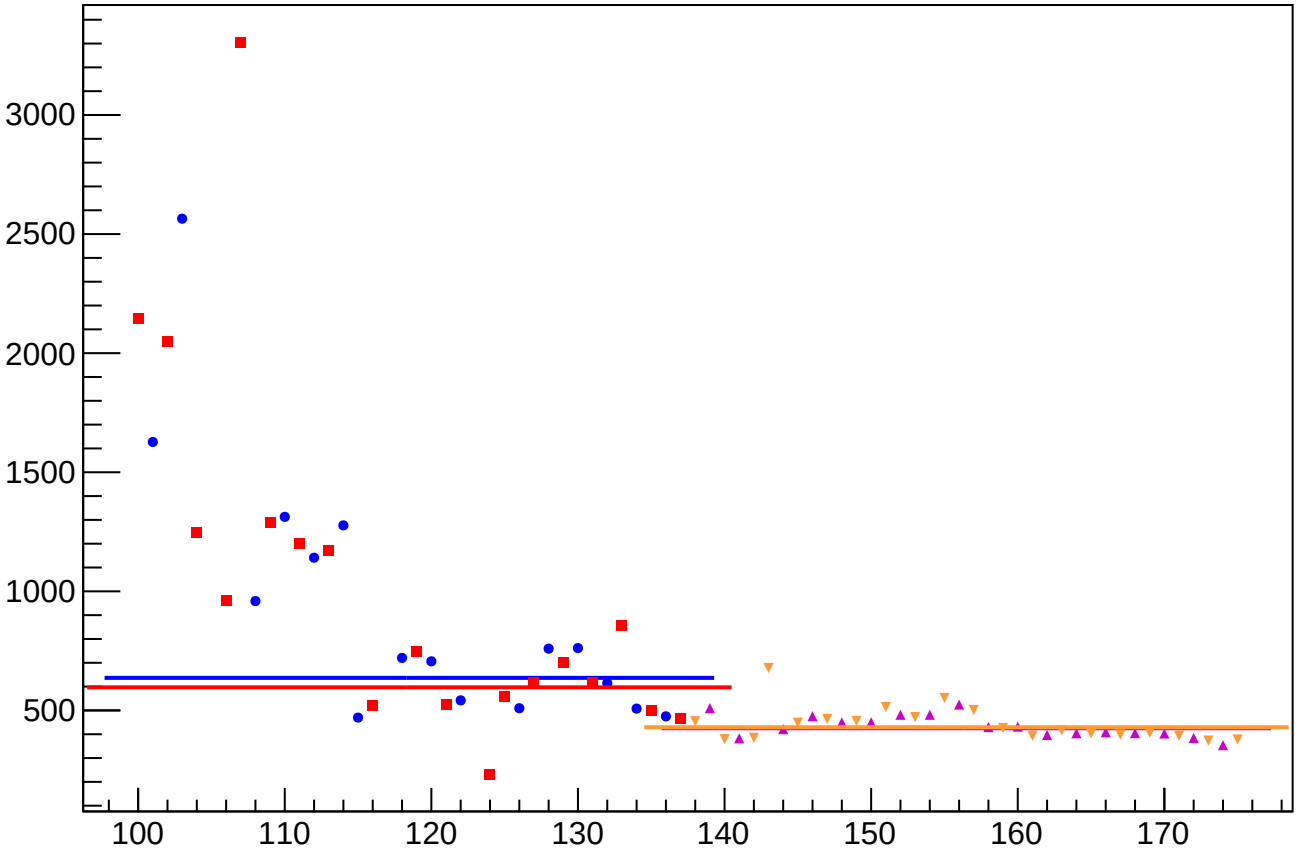
Left In: 44.735+/-111.126 χ^2/NDF:23.0/17

+ sign 448.038+/-100.562 χ^2/NDF: 78.9/35

All: 280.100+/-71.515 χ^2/NDF: 121.9/72

- sign 108.262+/-101.723 χ^2/NDF: 37.3/36

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 429.289+/-0.077 χ^2/NDF:568575.3/19

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

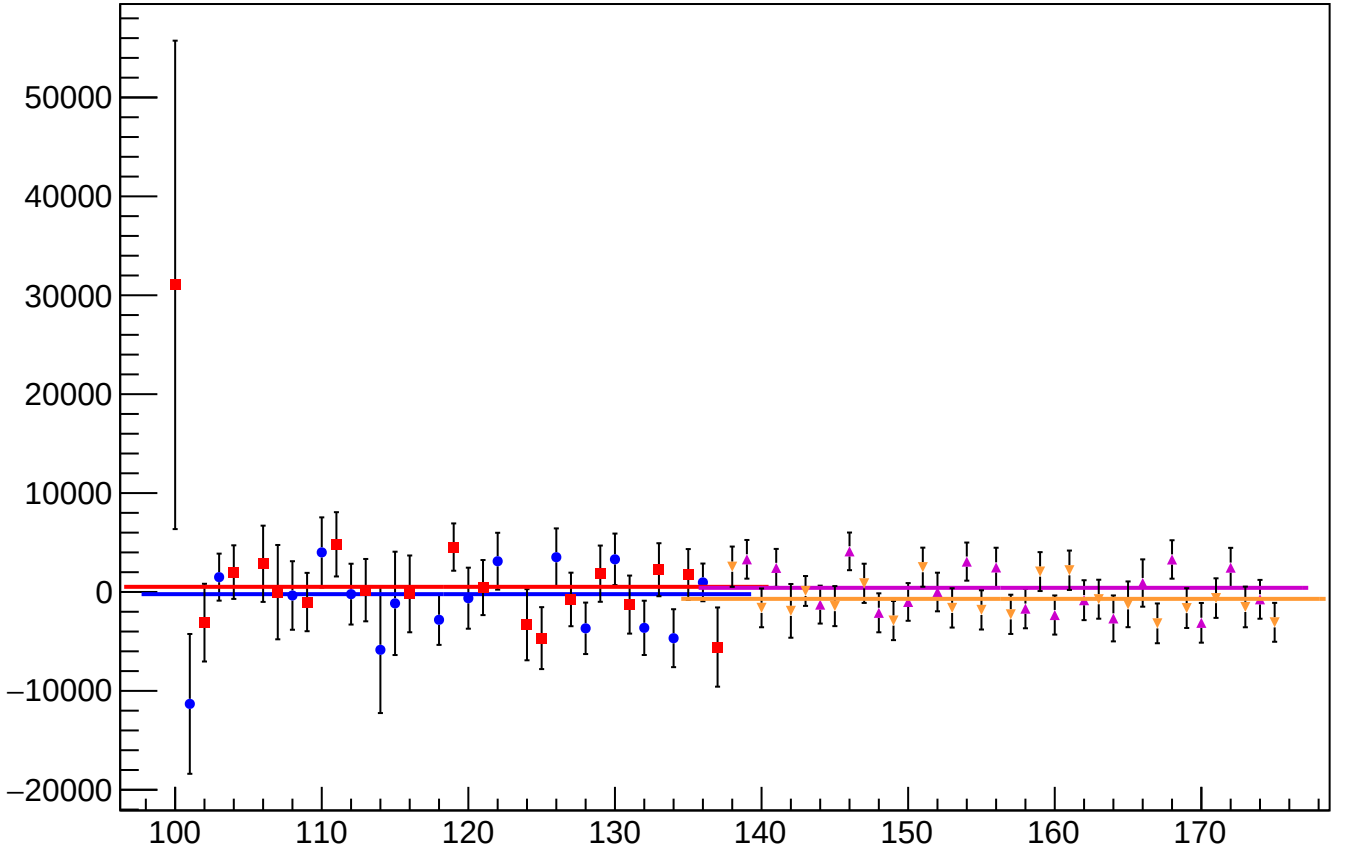
Left In: 425.090+/-0.079 χ^2/NDF:314426.2/17

+ sign 460.662+/-0.071 χ^2/NDF: 3726855.0/35

All: 456.841+/-0.051 χ^2/NDF: 7752069.2/72

- sign 452.930+/-0.072 χ^2/NDF: 4019370.8/36

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -695.931+/-445.360 χ^2/NDF:16.5/19

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

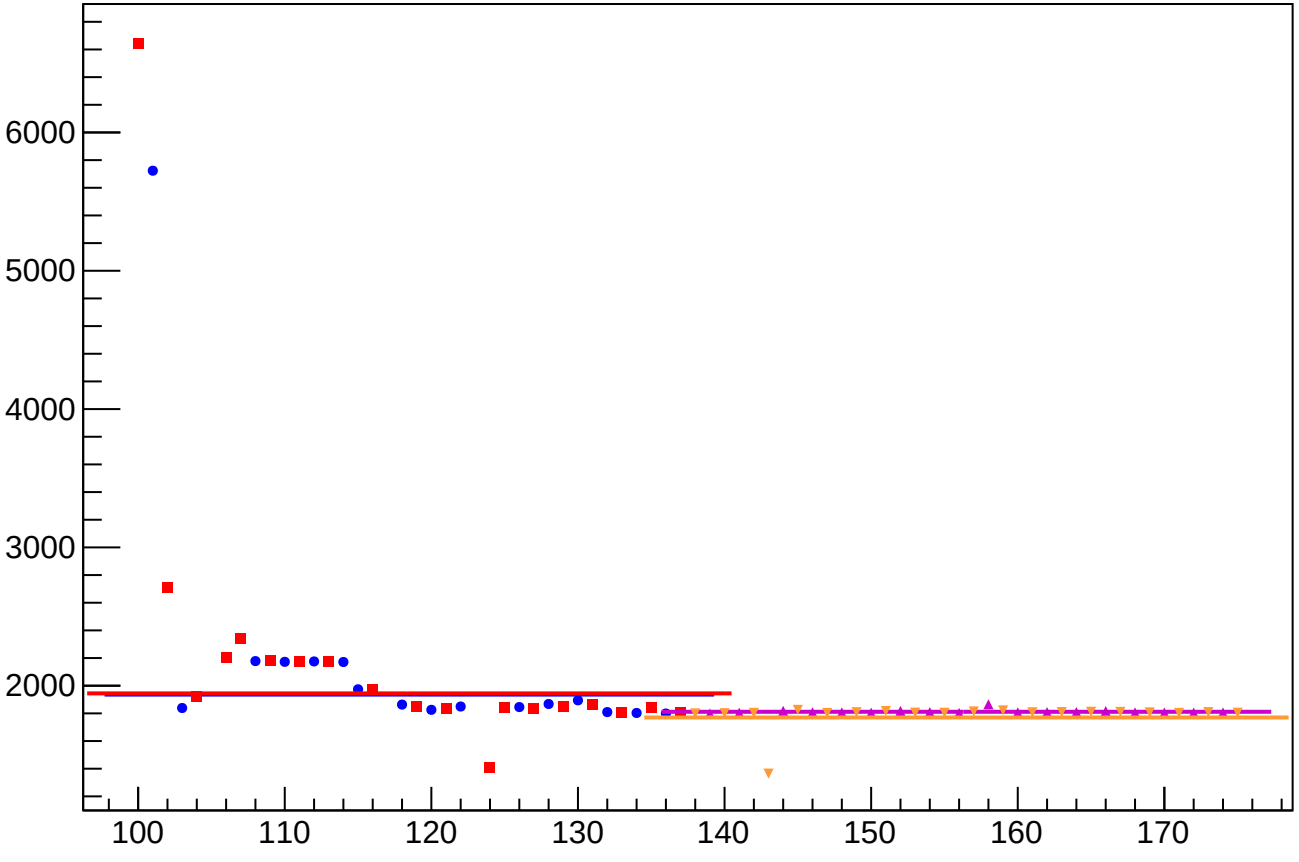
Left In: 418.990+/-469.572 χ^2/NDF:25.0/17

+ sign -568.449+/-381.016 χ^2/NDF: 33.9/35

All: -76.962+/-273.936 χ^2/NDF: 77.9/72

- sign 448.921+/-394.123 χ^2/NDF: 40.6/36

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1770.144+/-0.315 χ^2/NDF:158707.5/19

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

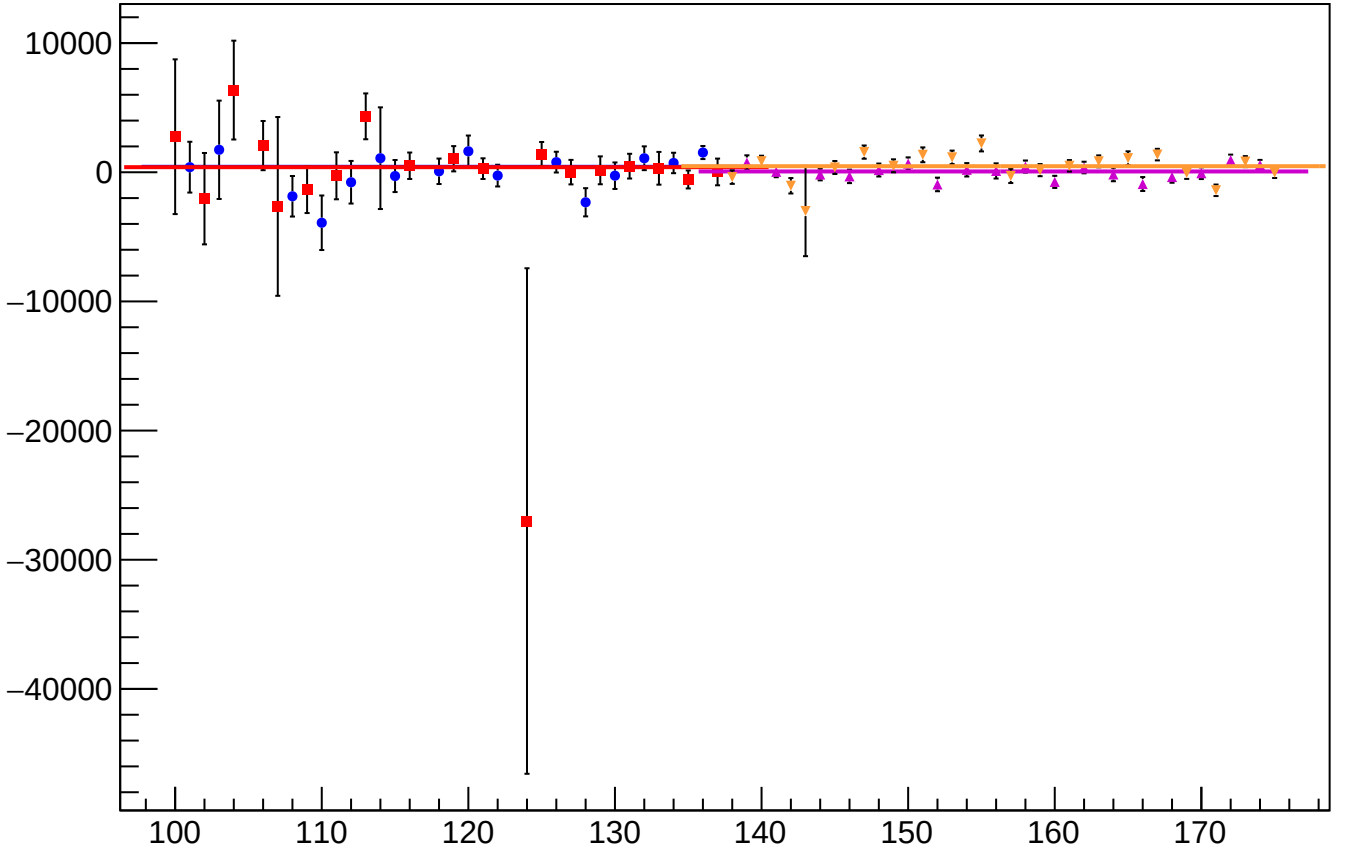
Left In: 1811.489+/-0.332 χ^2/NDF:1797.8/17

+ sign 1814.599+/-0.269 χ^2/NDF: 872851.5/35

All: 1832.086+/-0.194 χ^2/NDF: 1207015.3/72

- sign 1850.797+/-0.279 χ^2/NDF: 325443.5/36

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 469.326+/-111.693 χ^2/NDF:56.9/19

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

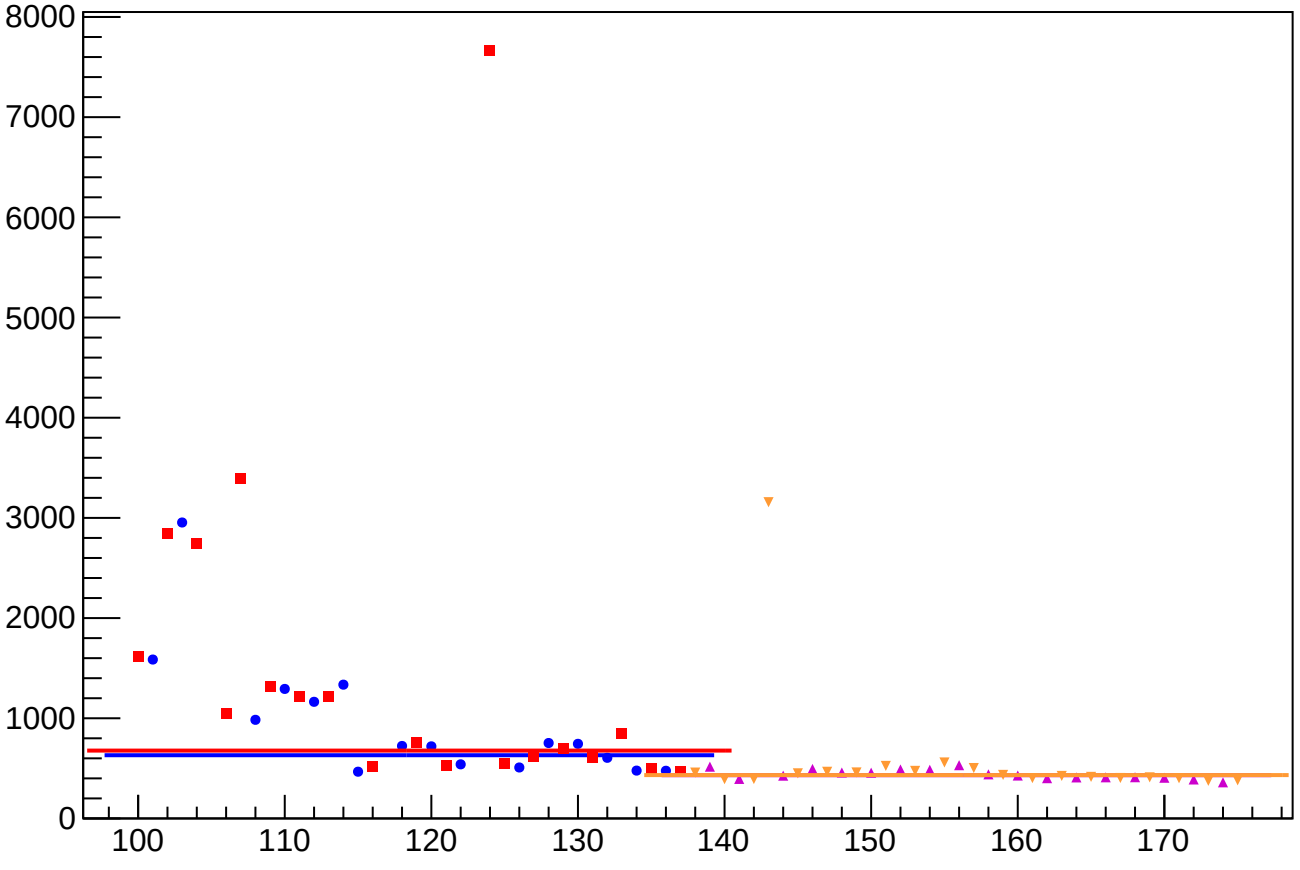
Left In: 61.737+/-112.730 χ^2/NDF:21.9/17

+ sign 461.659+/-102.421 χ^2/NDF: 78.4/35

All: 288.539+/-73.164 χ^2/NDF: 123.2/72

- sign 108.149+/-104.550 χ^2/NDF: 38.9/36

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 432.831+/-0.079 χ^2/NDF:1545634.9/19

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

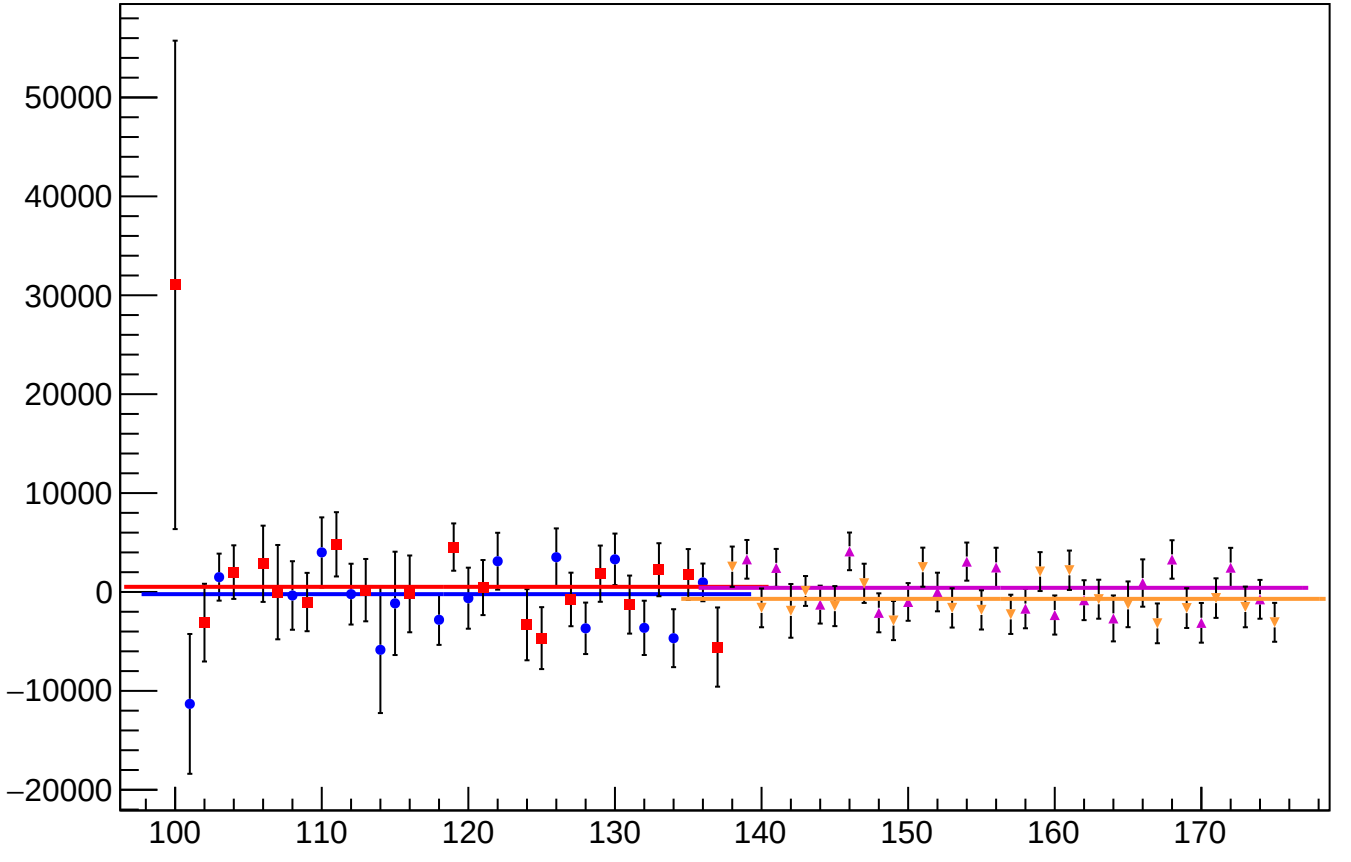
Left In: 431.682+/-0.080 χ^2/NDF:315178.4/17

+ sign 464.388+/-0.072 χ^2/NDF: 4783397.3/35

All: 465.204+/-0.052 χ^2/NDF: 9509785.4/72

- sign 466.053+/-0.074 χ^2/NDF: 4726129.5/36

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -695.932+/-445.360 χ^2/NDF:16.5/19

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

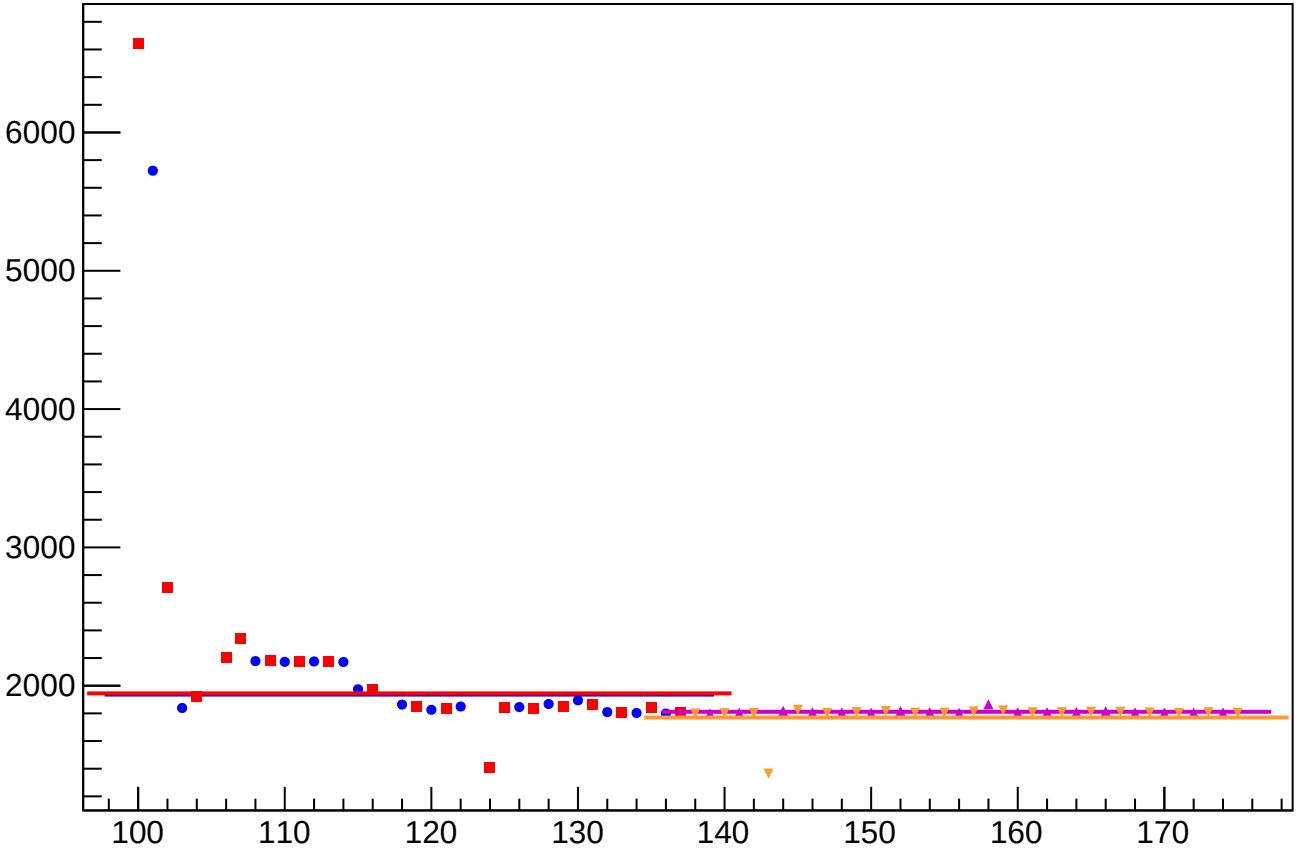
Left In: 418.990+/-469.572 χ^2/NDF:25.0/17

+ sign -568.450+/-381.016 χ^2/NDF: 33.9/35

All: -76.962+/-273.936 χ^2/NDF: 77.9/72

- sign 448.920+/-394.123 χ^2/NDF: 40.6/36

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1770.144+/-0.315 χ^2/NDF:158707.4/19

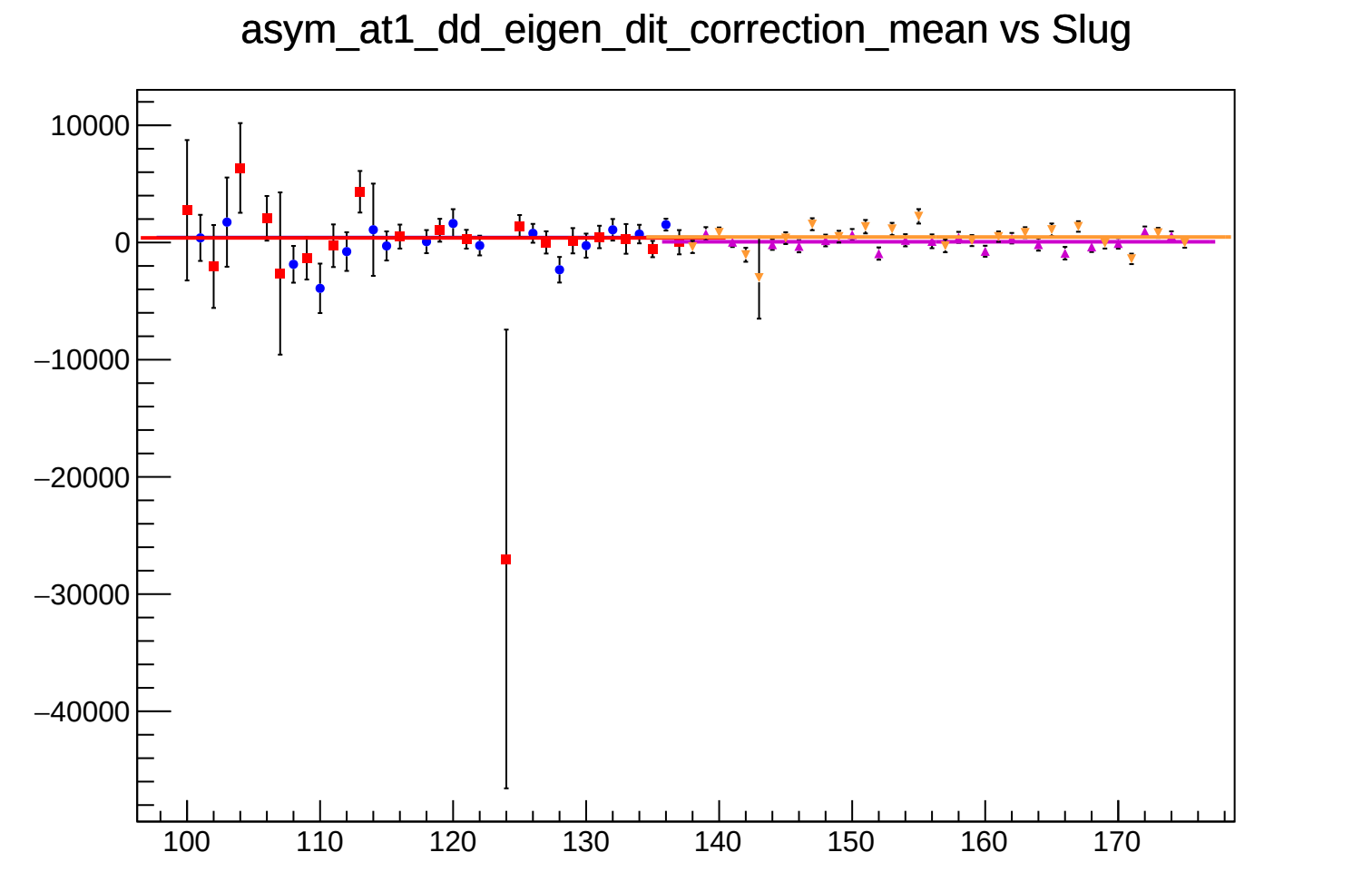
Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1811.489+/-0.332 χ^2/NDF:1797.8/17

+ sign 1814.599+/-0.269 χ^2/NDF: 872851.4/35

All: 1832.086+/-0.194 χ^2/NDF: 1207015.0/72

- sign 1850.797+/-0.279 χ^2/NDF: 325443.2/36



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 469.325+/-111.693 χ^2/NDF:56.9/19

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

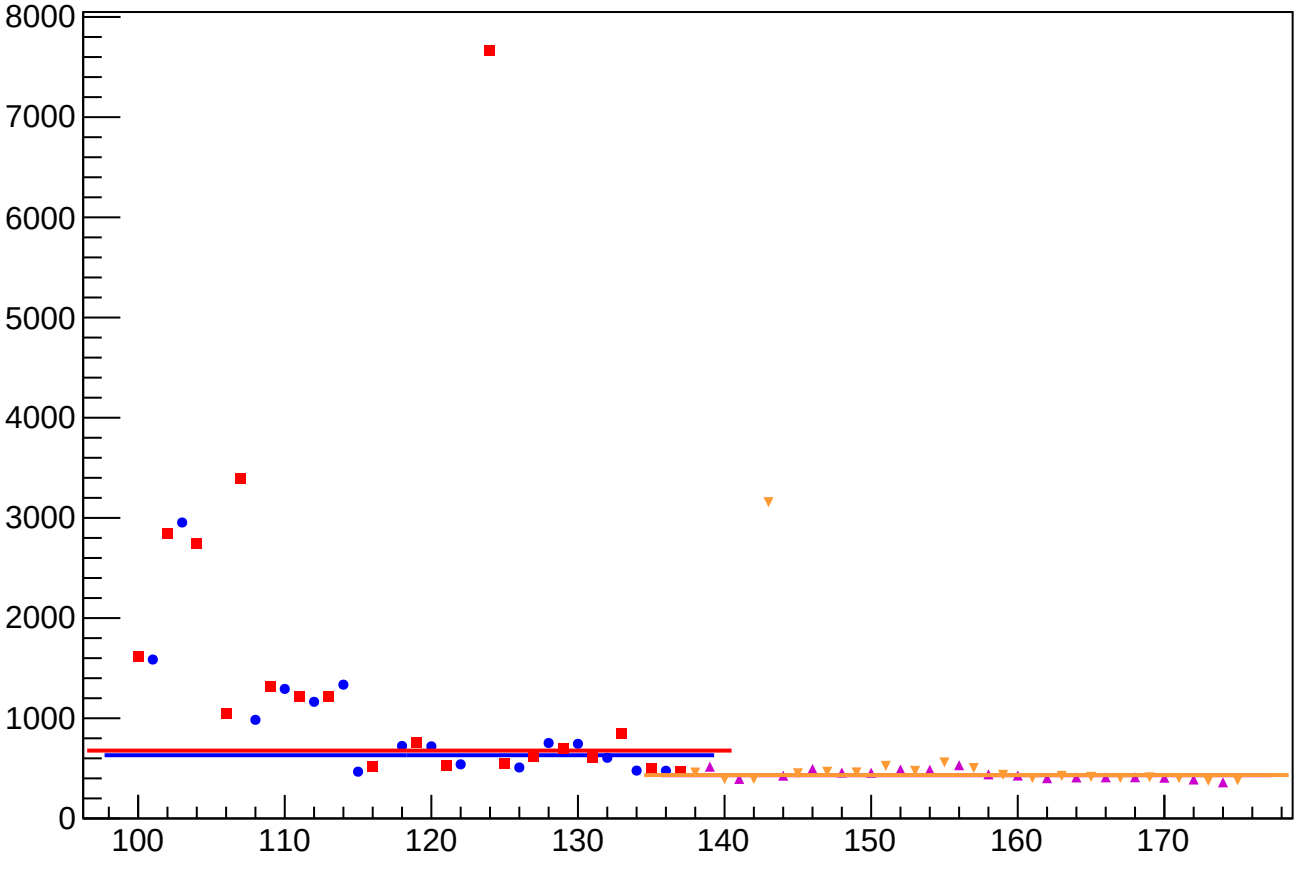
Left In: 61.736+/-112.730 χ^2/NDF:21.9/17

+ sign 461.658+/-102.421 χ^2/NDF: 78.4/35

All: 288.539+/-73.164 χ^2/NDF: 123.2/72

- sign 108.148+/-104.550 χ^2/NDF: 38.9/36

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 432.830+/-0.079 χ^2/NDF:1545636.3/19

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

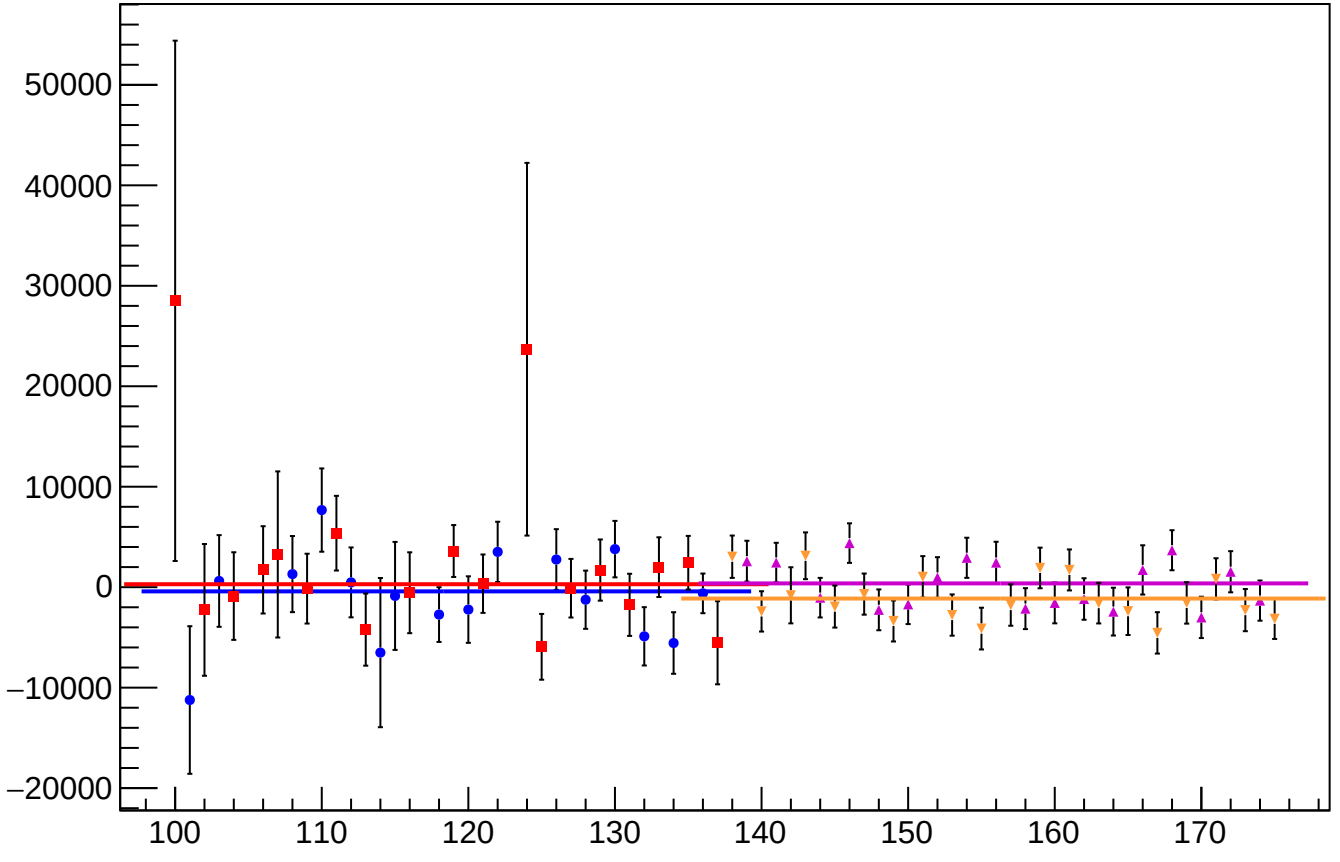
Left In: 431.682+/-0.080 χ^2/NDF:315181.4/17

+ sign 464.388+/-0.072 χ^2/NDF: 4783398.8/35

All: 465.203+/-0.052 χ^2/NDF: 9509791.2/72

- sign 466.053+/-0.074 χ^2/NDF: 4726133.7/36

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1130.907+/-470.051 χ^2/NDF:22.5/19

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

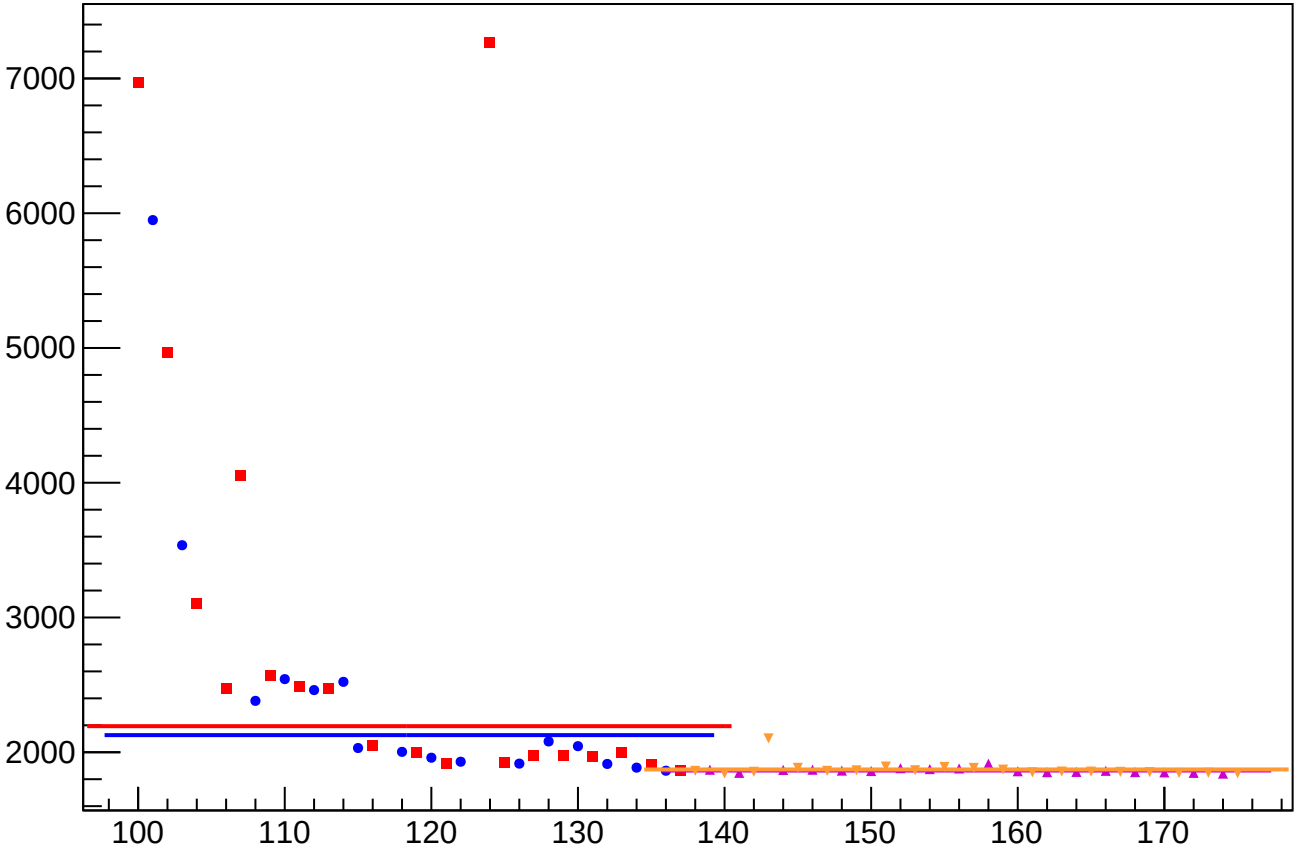
Left In: 376.595+/-483.259 χ^2/NDF:23.7/17

+ sign -952.995+/-407.228 χ^2/NDF: 41.5/35

All: -315.378+/-291.630 χ^2/NDF: 85.8/72

- sign 355.877+/-417.832 χ^2/NDF: 39.3/36

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1872.315+/-0.332 χ^2/NDF:22531.2/19

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

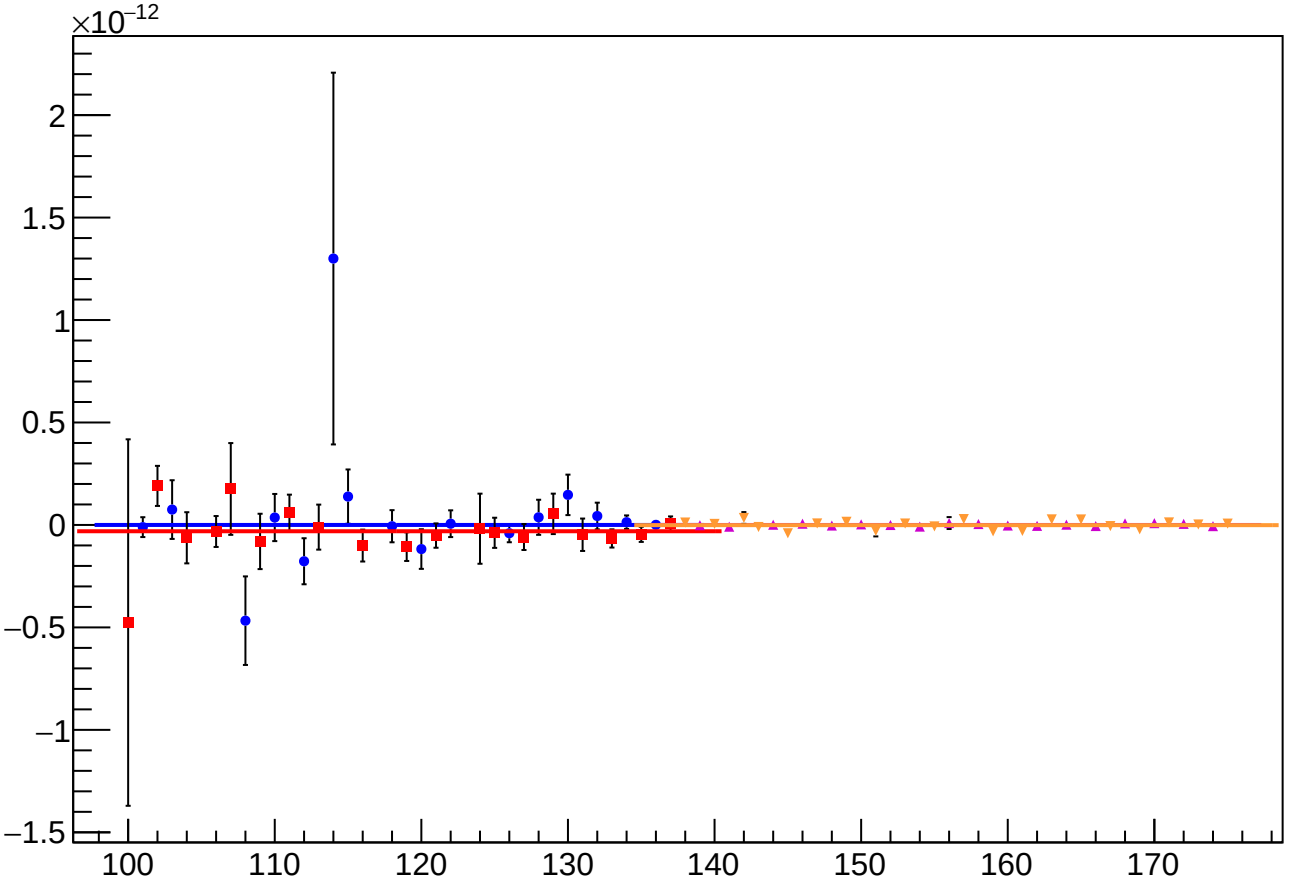
Left In: 1864.252+/-0.342 χ^2/NDF:2439.5/17

+ sign 1935.854+/-0.288 χ^2/NDF: 1044114.8/35

All: 1941.471+/-0.206 χ^2/NDF: 2224361.7/72

- sign 1947.384+/-0.295 χ^2/NDF: 1179465.9/36

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

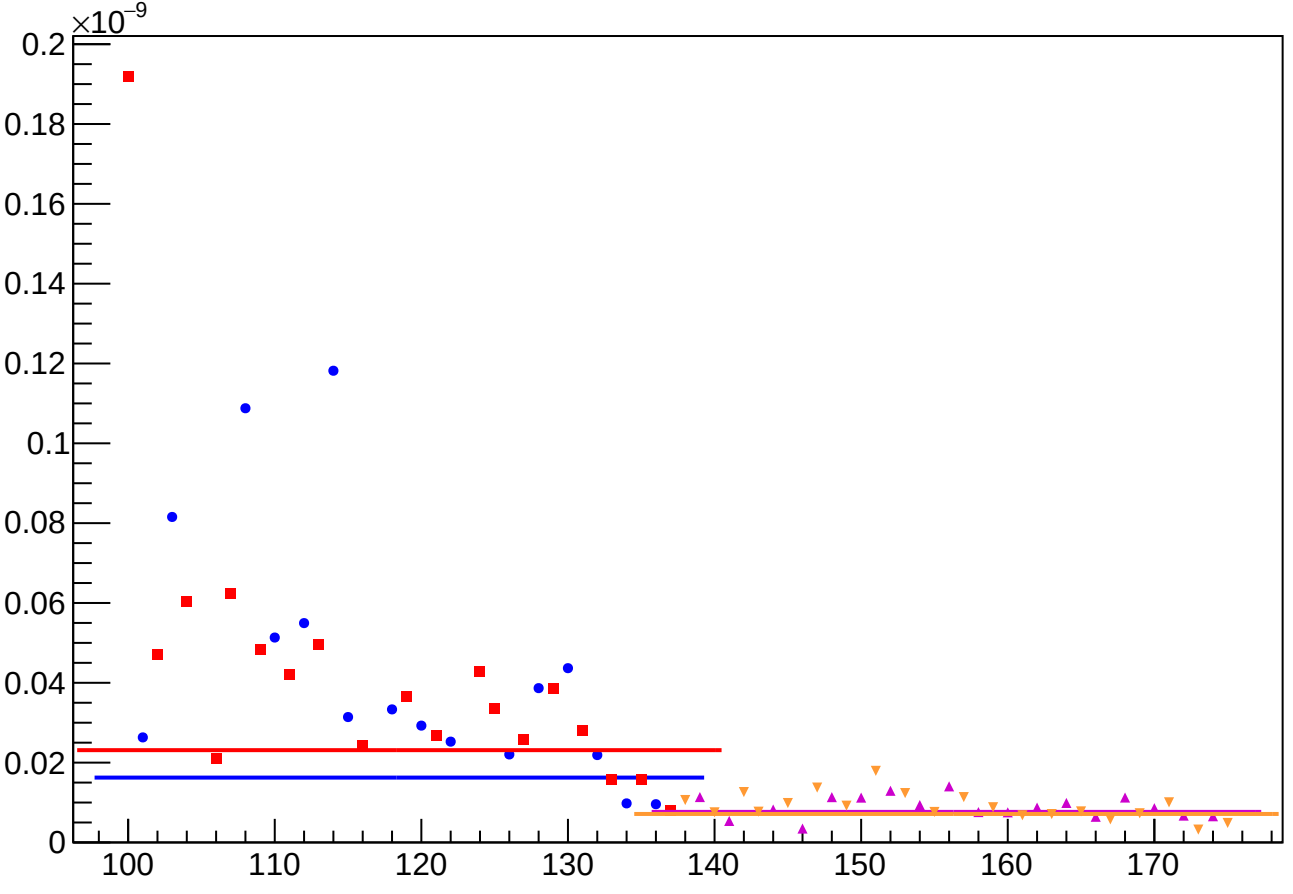
Left In: -0.000+/-0.000 χ^2/NDF:2.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 47.3/35

All: -0.000+/-0.000 χ^2/NDF: 65.8/72

- sign -0.000+/-0.000 χ^2/NDF: 18.5/36

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1570533.2/19

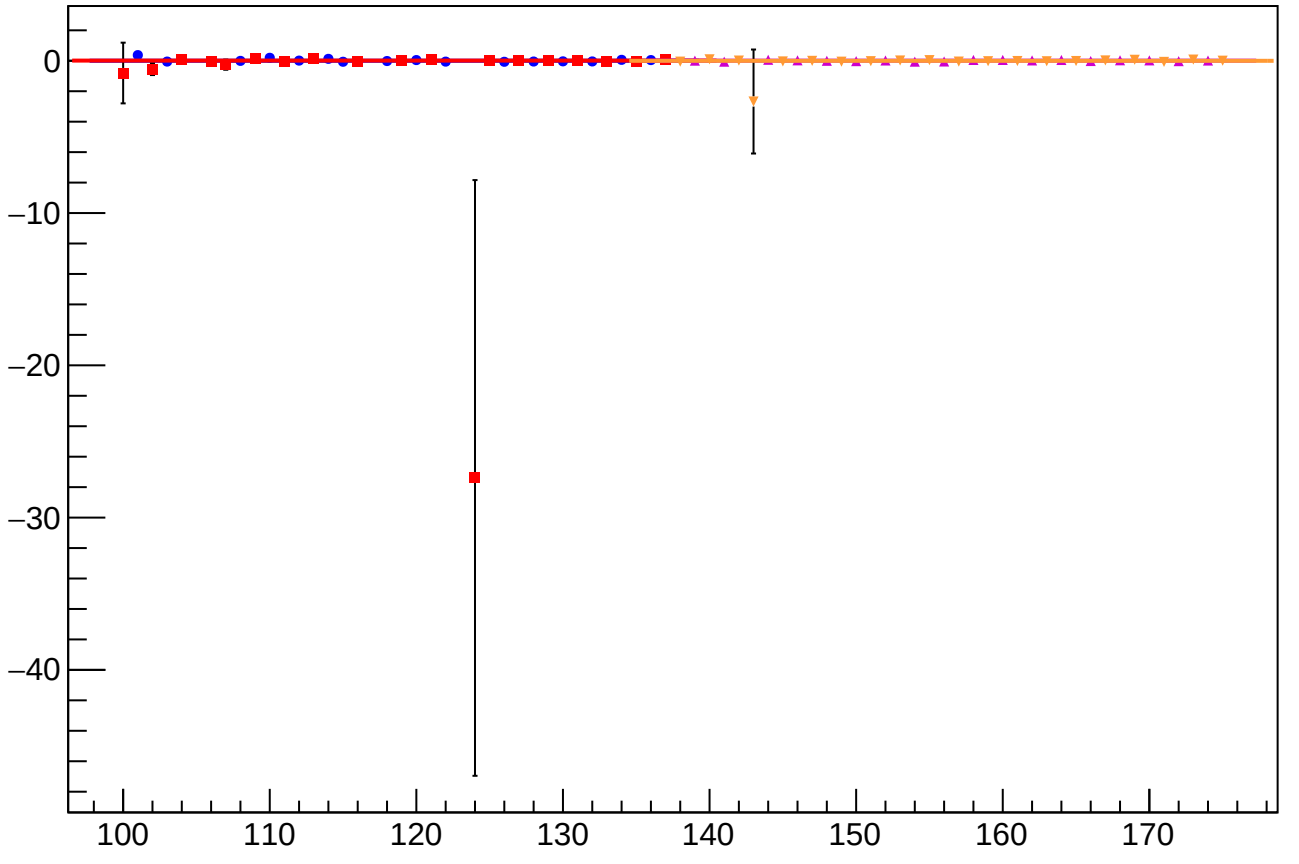
Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1012373.5/17

\+ sign 0.000+/-0.000 χ^2/NDF: 4957238.2/35

All: 0.000+/-0.000 χ^2/NDF: 9260292.0/72

\- sign 0.000+/-0.000 χ^2/NDF: 4263709.6/36



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/19

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

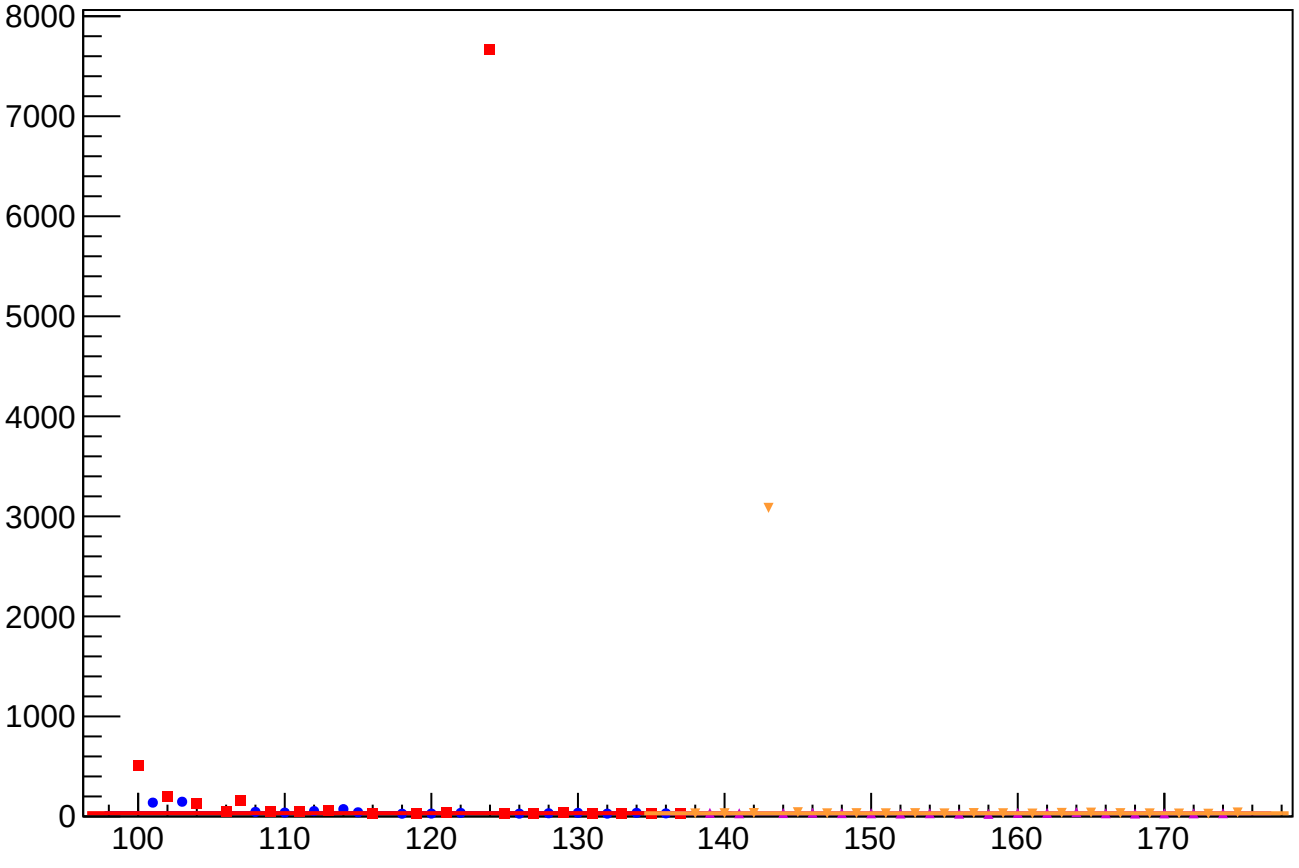
Left In: 0.007+/-0.009 χ^2/NDF:18.0/17

+ sign -0.002+/-0.008 χ^2/NDF: 51.7/35

All: 0.003+/-0.005 χ^2/NDF: 84.8/72

- sign 0.008+/-0.008 χ^2/NDF: 32.3/36

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.104+/-0.006 χ^2/NDF:1870546.5/19

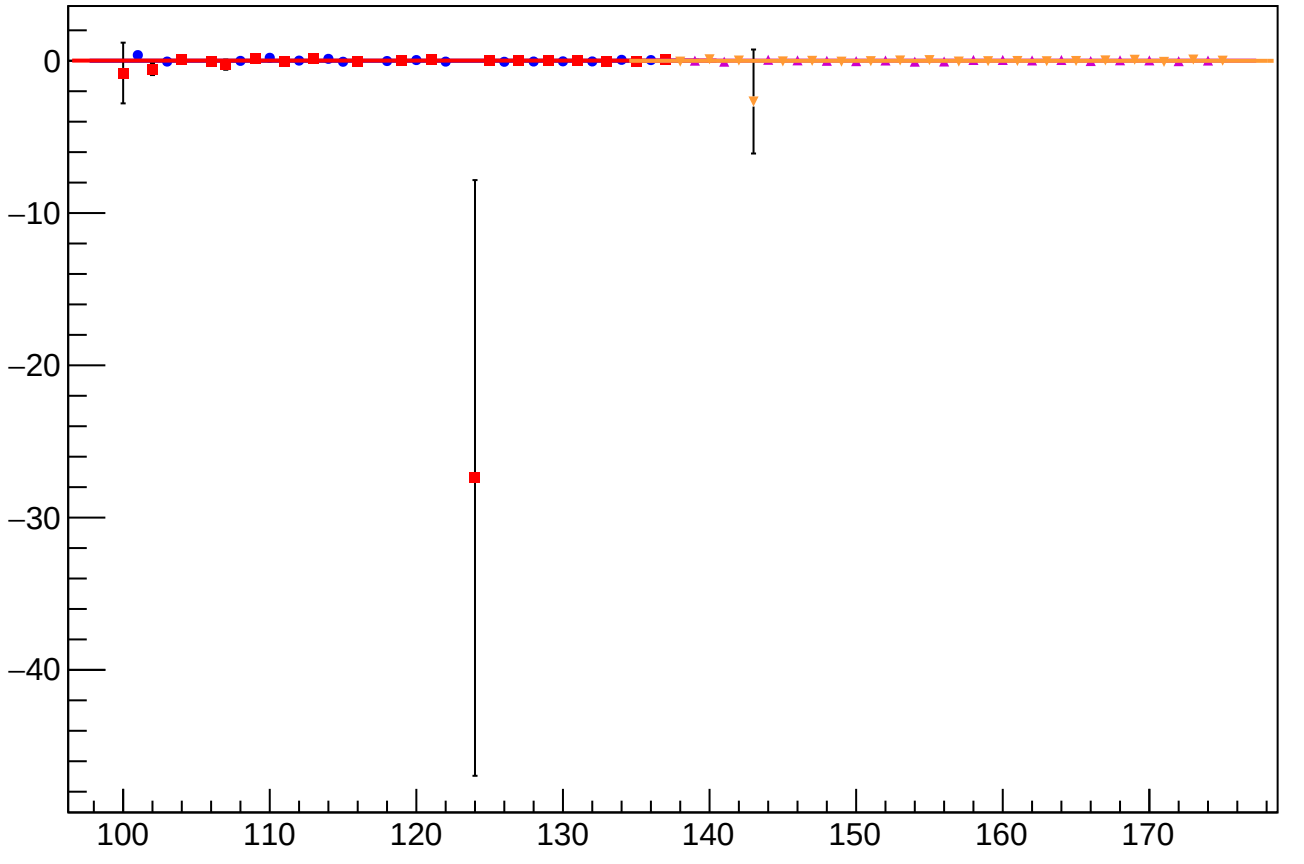
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.265+/-0.006 χ^2/NDF:268224.7/17

+ sign 32.632+/-0.005 χ^2/NDF: 3613322.1/35

All: 32.561+/-0.004 χ^2/NDF: 5961435.2/72

- sign 32.488+/-0.005 χ^2/NDF: 2347765.1/36



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/19

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

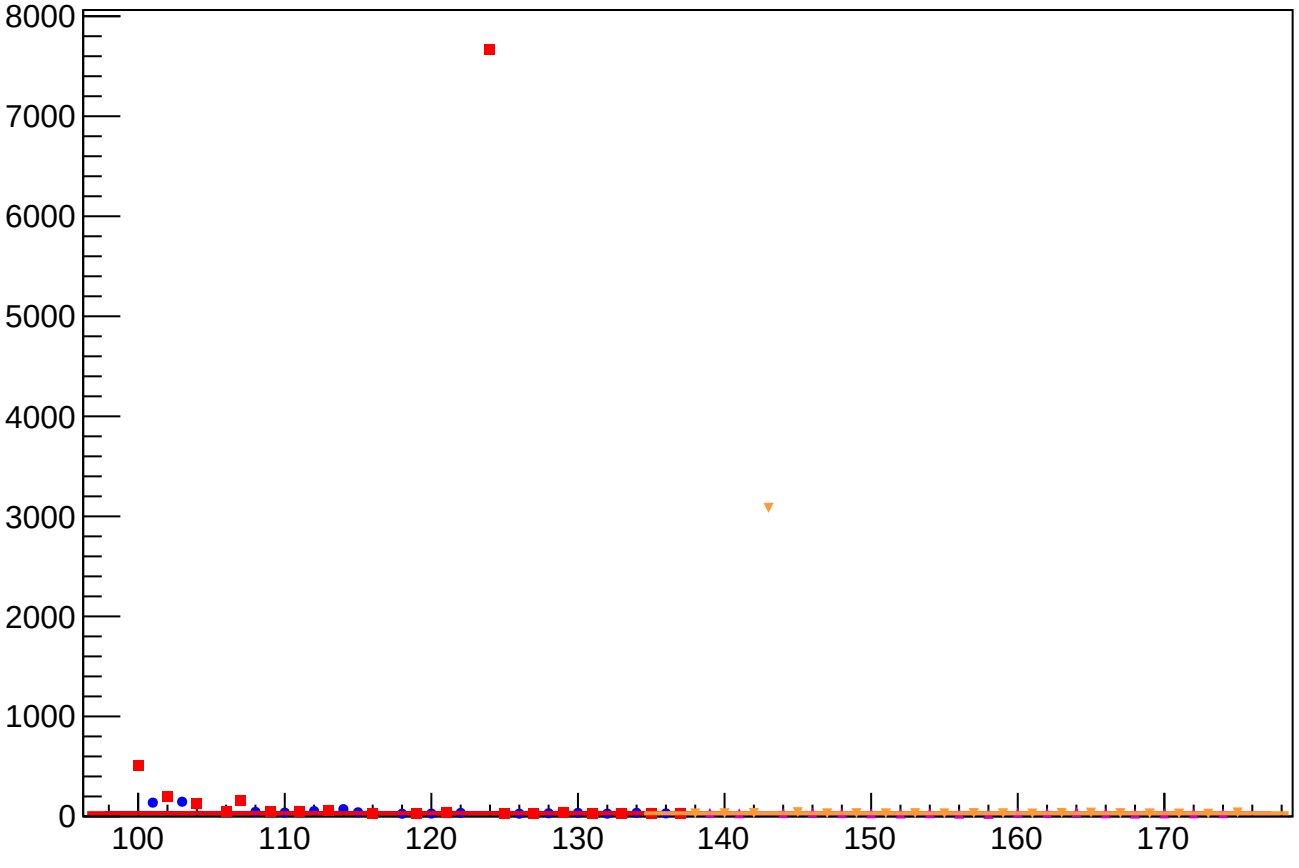
Left In: 0.007+/-0.009 χ^2/NDF:18.0/17

+ sign -0.002+/-0.008 χ^2/NDF: 51.7/35

All: 0.003+/-0.005 χ^2/NDF: 84.8/72

- sign 0.008+/-0.008 χ^2/NDF: 32.3/36

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.104+/-0.006 χ^2/NDF:1870546.5/19

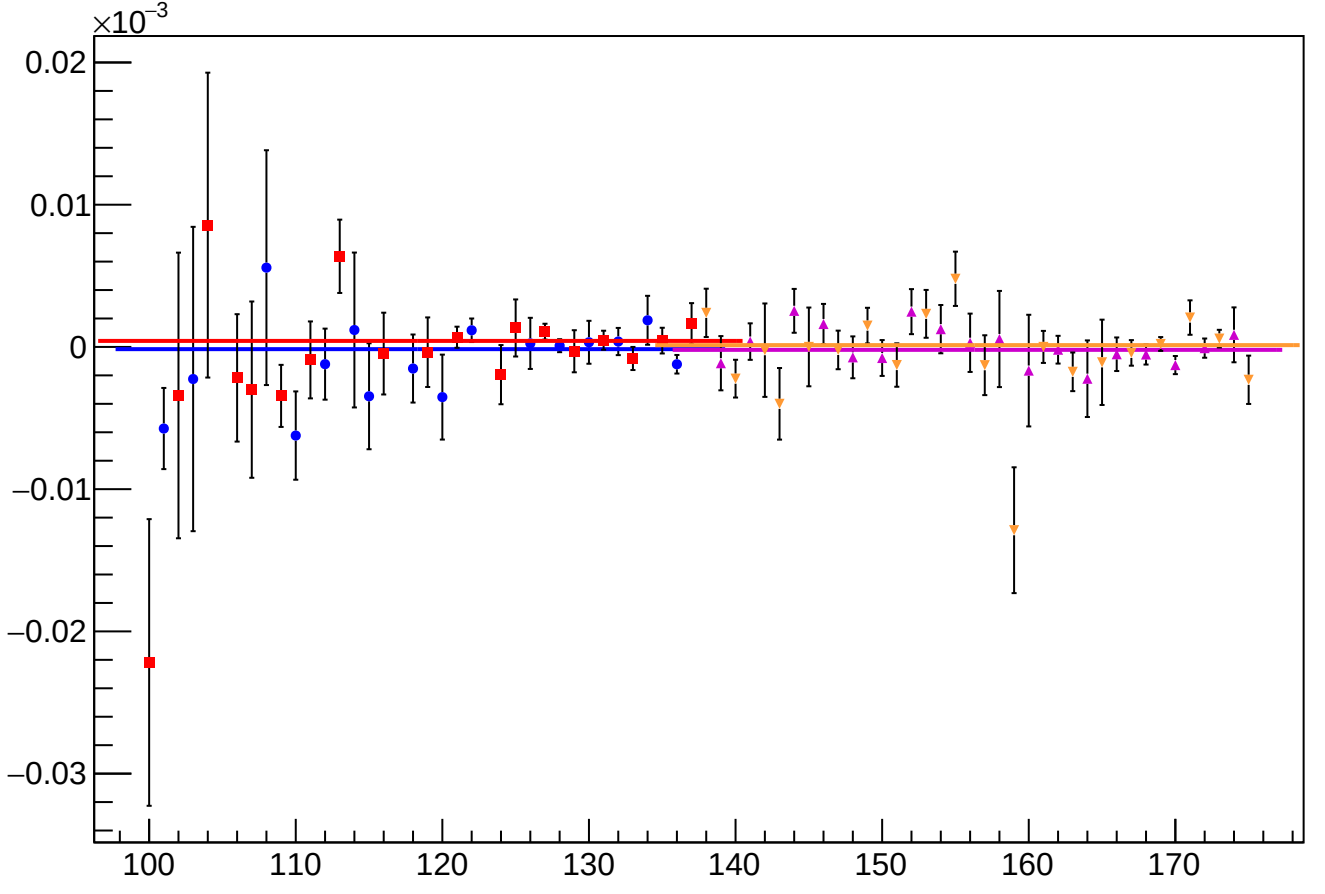
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.265+/-0.006 χ^2/NDF:268224.7/17

+ sign 32.632+/-0.005 χ^2/NDF: 3613322.1/35

All: 32.561+/-0.004 χ^2/NDF: 5961435.2/72

- sign 32.488+/-0.005 χ^2/NDF: 2347765.1/36



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/19

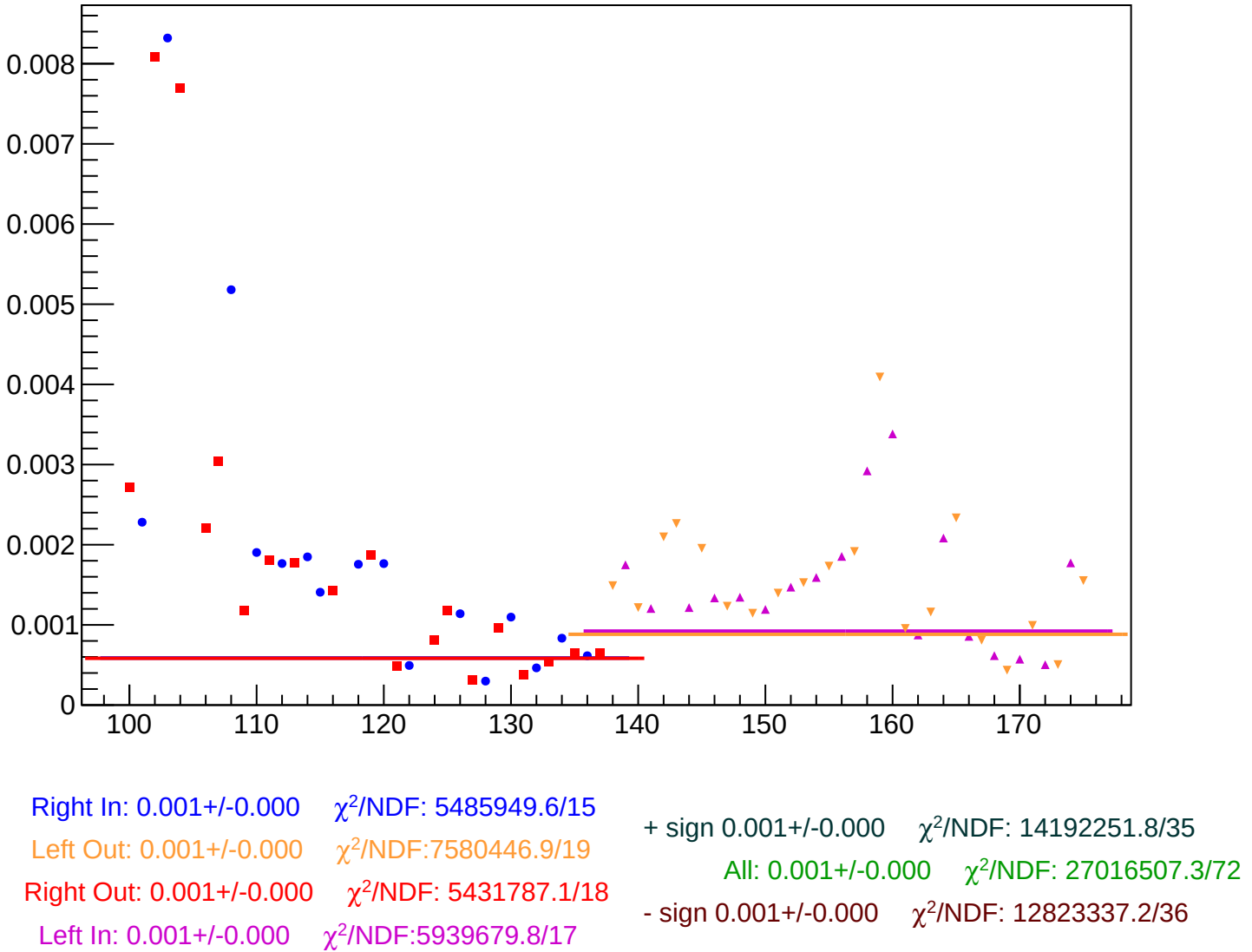
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

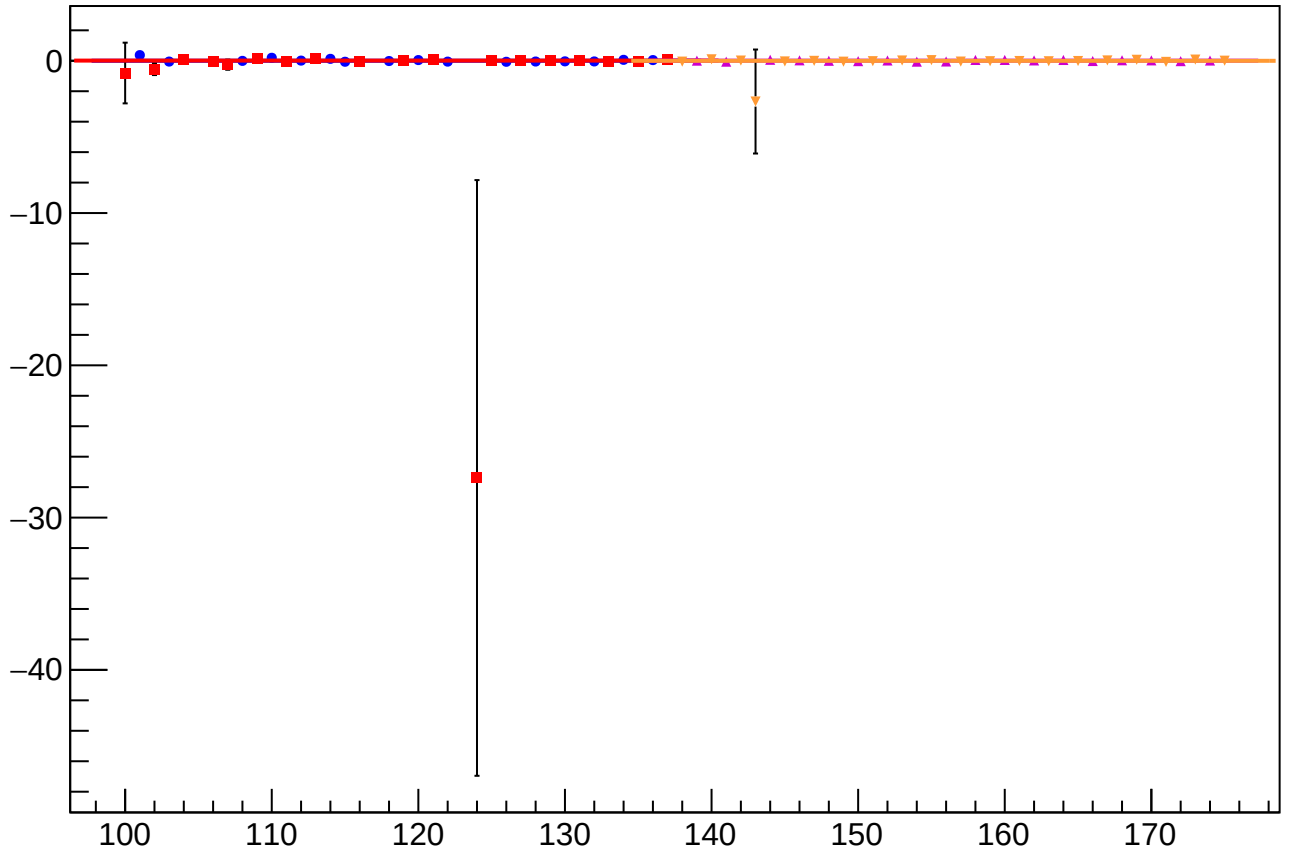
Left In: -0.000+/-0.000 χ^2/NDF:13.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 52.9/35

All: 0.000+/-0.000 χ^2/NDF: 90.5/72

- sign 0.000+/-0.000 χ^2/NDF: 37.5/36


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 5485949.6/15
Left Out: 0.001+/-0.000 χ²/NDF:7580446.9/19
Right Out: 0.001+/-0.000 χ²/NDF: 5431787.1/18
Left In: 0.001+/-0.000 χ²/NDF:5939679.8/17
+ sign 0.001+/-0.000 χ²/NDF: 14192251.8/35
All: 0.001+/-0.000 χ²/NDF: 27016507.3/72
- sign 0.001+/-0.000 χ²/NDF: 12823337.2/36



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/19

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

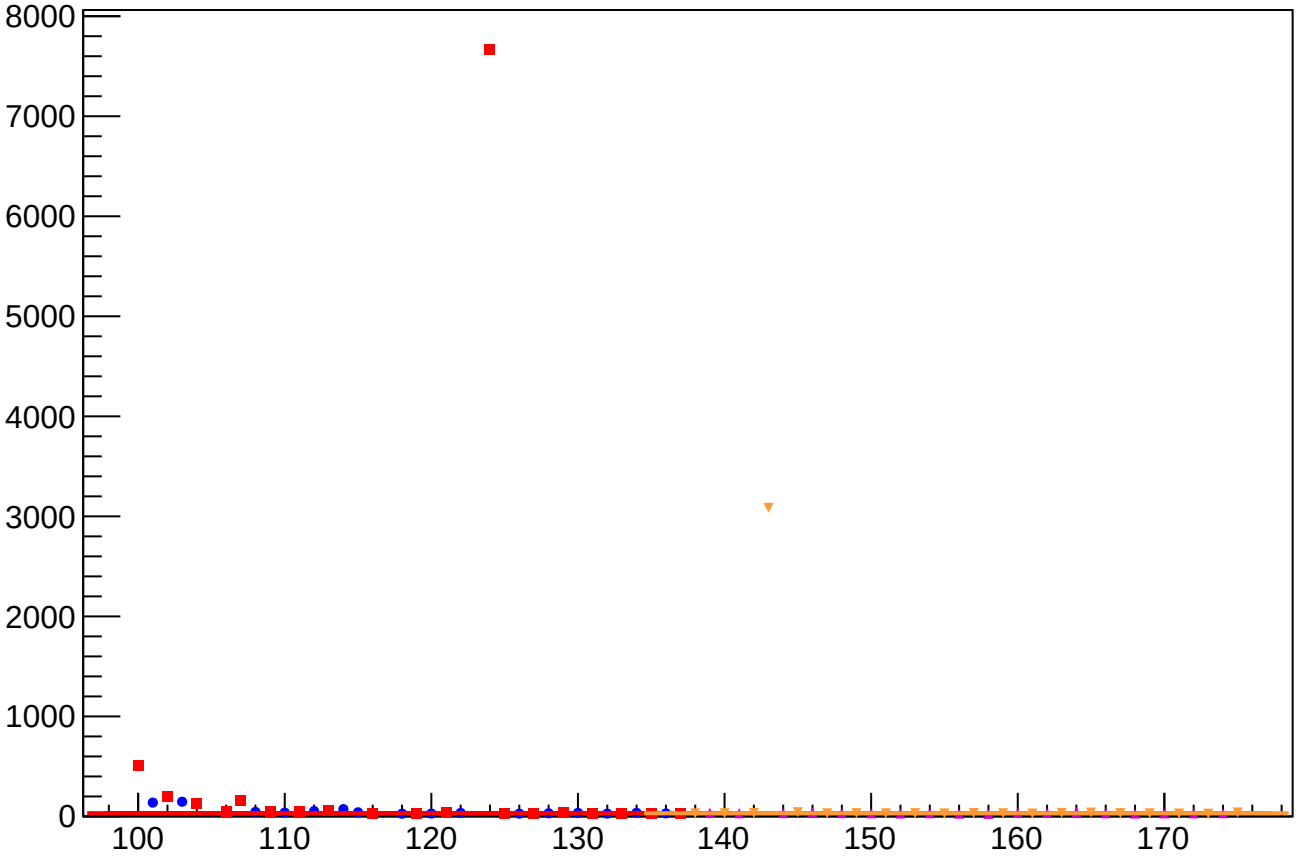
Left In: 0.007+/-0.009 χ^2/NDF:18.0/17

+ sign -0.002+/-0.008 χ^2/NDF: 51.7/35

All: 0.003+/-0.005 χ^2/NDF: 84.8/72

- sign 0.008+/-0.008 χ^2/NDF: 32.3/36

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.104+/-0.006 χ^2/NDF:1870539.9/19

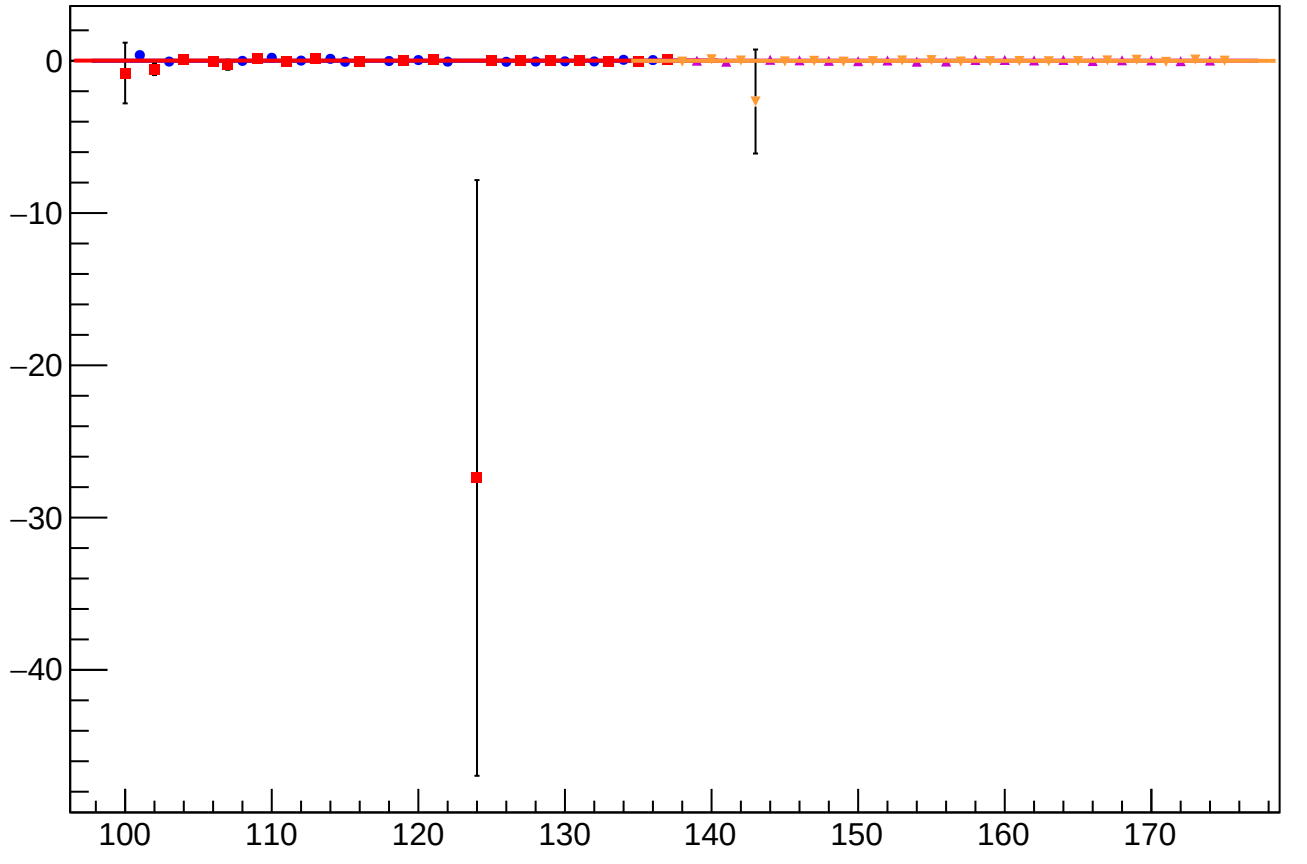
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.265+/-0.006 χ^2/NDF:268147.4/17

+ sign 32.632+/-0.005 χ^2/NDF: 3613304.2/35

All: 32.561+/-0.004 χ^2/NDF: 5961317.2/72

- sign 32.488+/-0.005 χ^2/NDF: 2347665.6/36



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/19

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

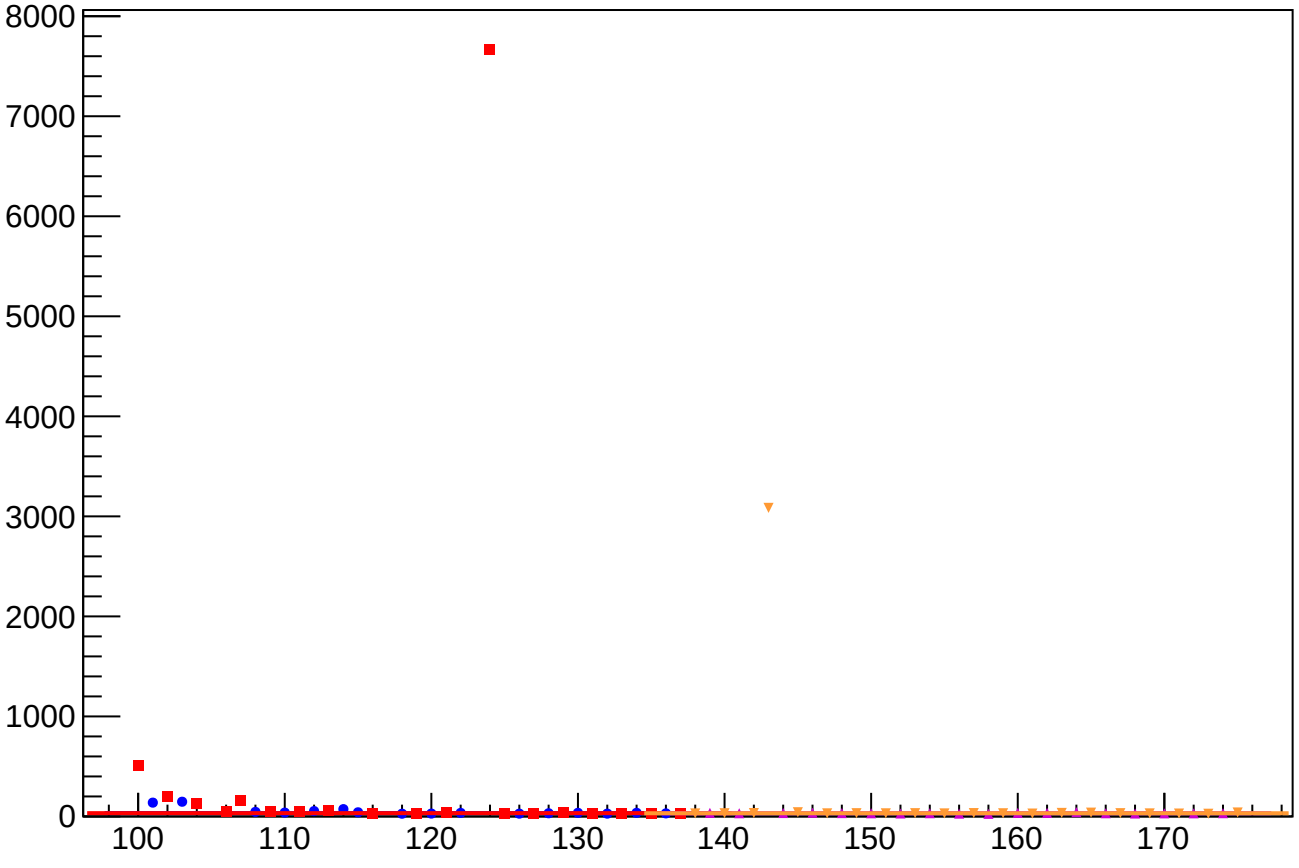
Left In: 0.007+/-0.009 χ^2/NDF:18.0/17

+ sign -0.002+/-0.008 χ^2/NDF: 51.7/35

All: 0.003+/-0.005 χ^2/NDF: 84.8/72

- sign 0.008+/-0.008 χ^2/NDF: 32.3/36

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.104+/-0.006 χ^2/NDF:1870539.9/19

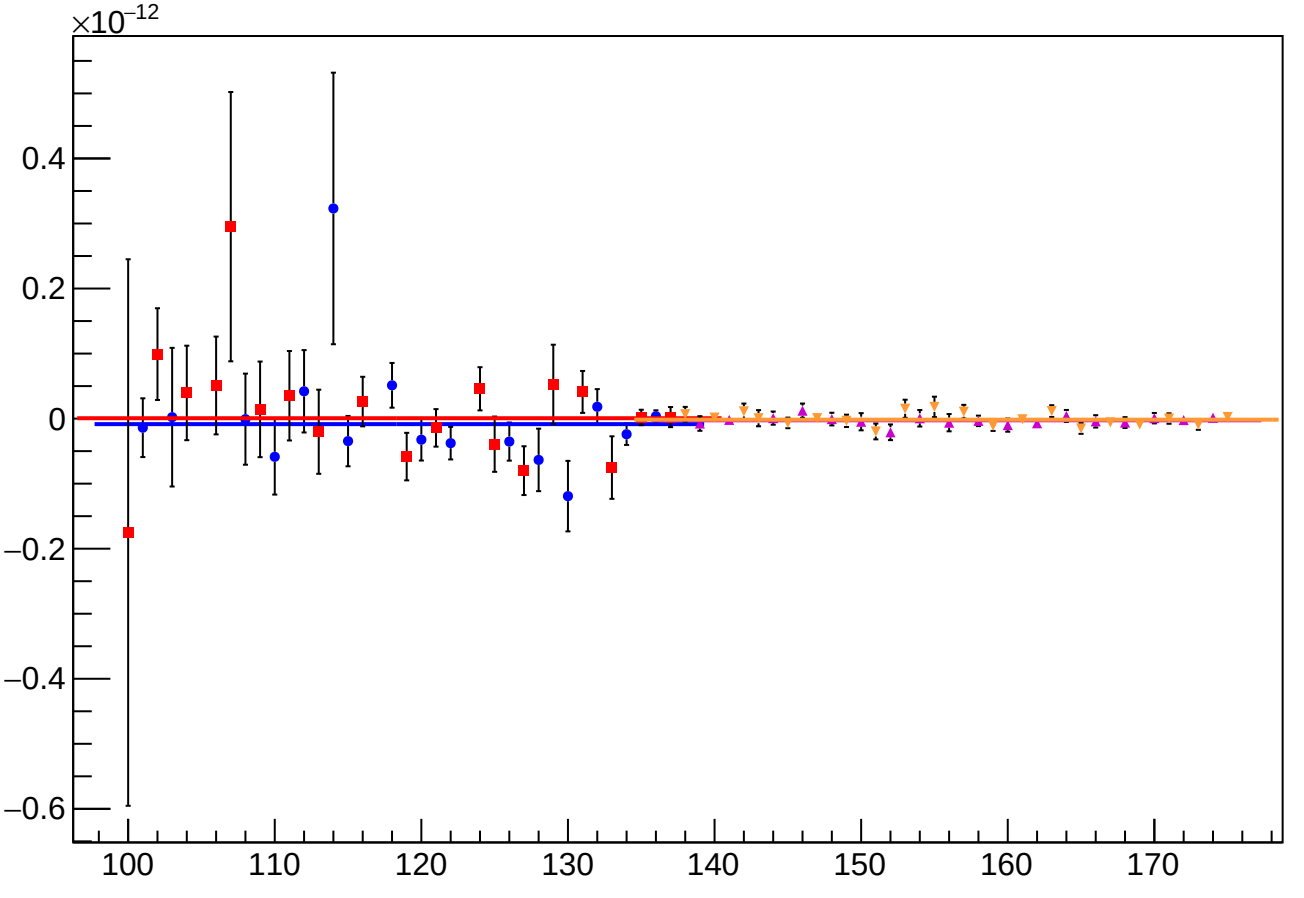
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

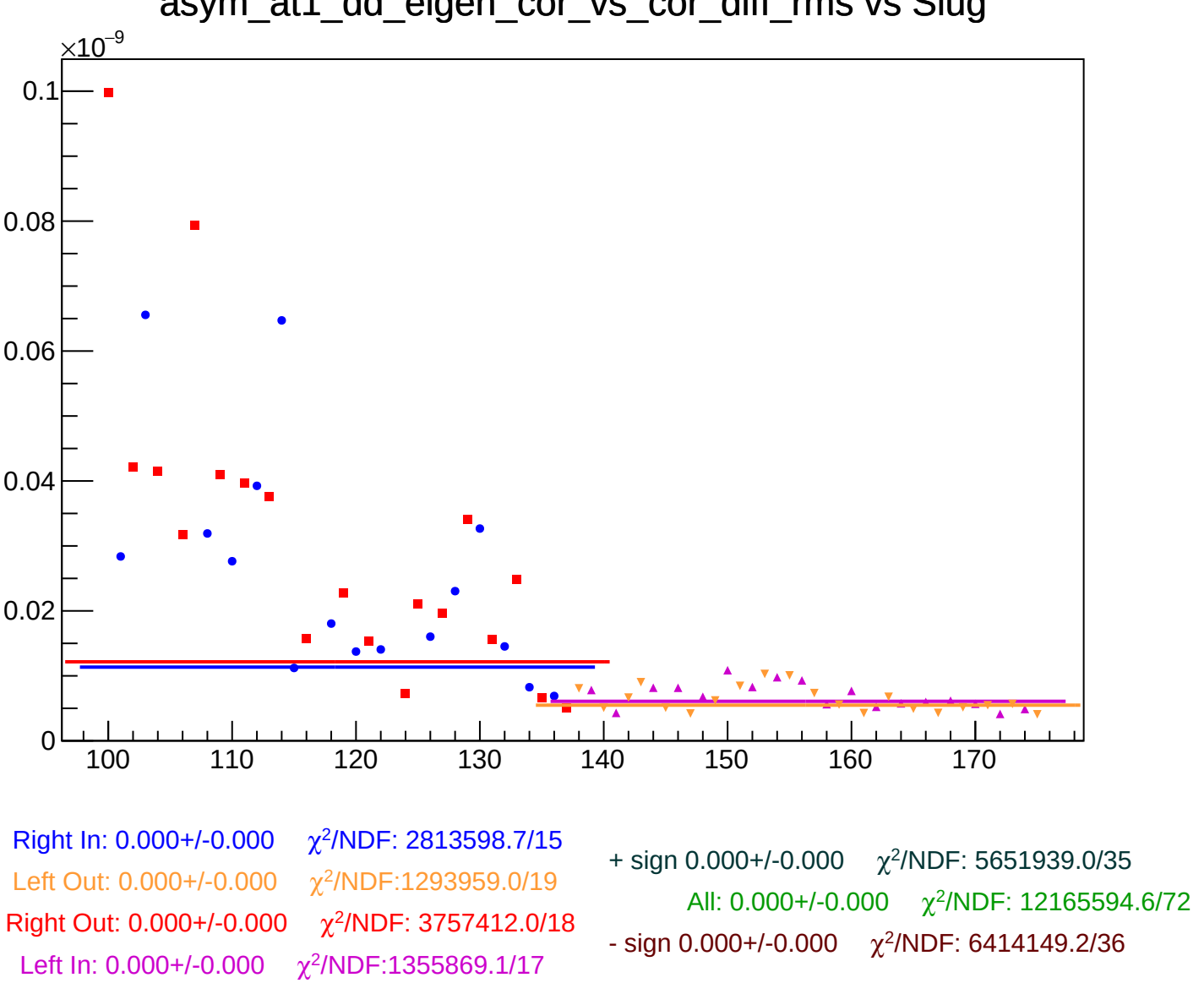
Left In: 32.265+/-0.006 χ^2/NDF:268147.4/17

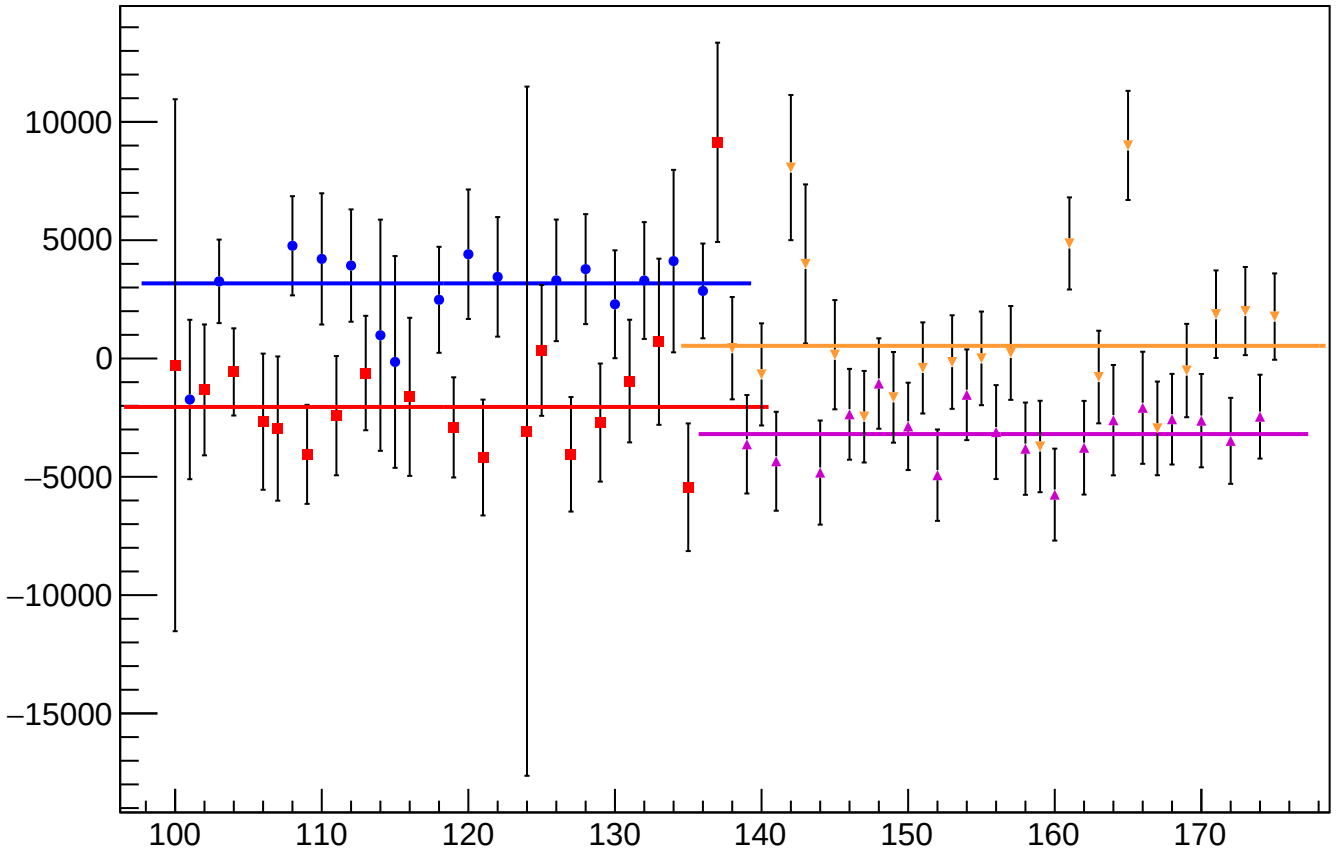
\+ sign 32.632+/-0.005 χ^2/NDF: 3613304.2/35

All: 32.561+/-0.004 χ^2/NDF: 5961317.2/72

\- sign 32.488+/-0.005 χ^2/NDF: 2347665.6/36


asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 19.3/15
Left Out: -0.000+/-0.000 χ²/NDF:18.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 20.8/18
Left In: -0.000+/-0.000 χ²/NDF:6.9/17
+ sign -0.000+/-0.000 χ²/NDF: 38.6/35
All: -0.000+/-0.000 χ²/NDF: 66.4/72
- sign -0.000+/-0.000 χ²/NDF: 27.8/36


asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2813598.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1293959.0/19
Right Out: 0.000+/-0.000 χ²/NDF: 3757412.0/18
Left In: 0.000+/-0.000 χ²/NDF:1355869.1/17
+ sign 0.000+/-0.000 χ²/NDF: 5651939.0/35
All: 0.000+/-0.000 χ²/NDF: 12165594.6/72
- sign 0.000+/-0.000 χ²/NDF: 6414149.2/36



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 536.198+/-458.408 χ^2/NDF:40.3/19

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

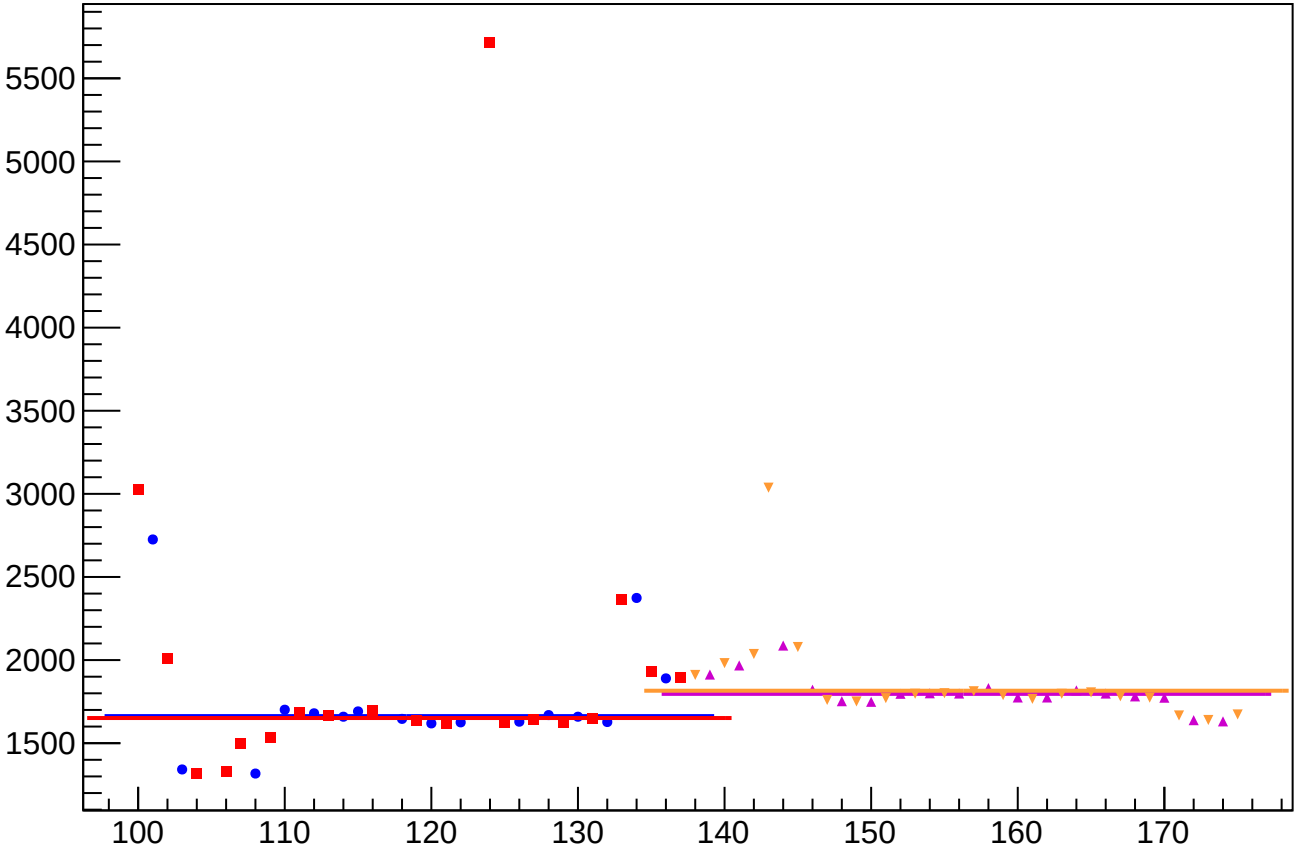
Left In: -3193.643+/-466.485 χ^2/NDF:6.5/17

+ sign 1453.695+/-370.257 χ^2/NDF: 56.1/35

All: -647.346+/-262.805 χ^2/NDF: 143.8/72

- sign -2780.587+/-373.084 χ^2/NDF: 22.7/36

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1815.644+/-0.324 χ^2/NDF:367741.3/19

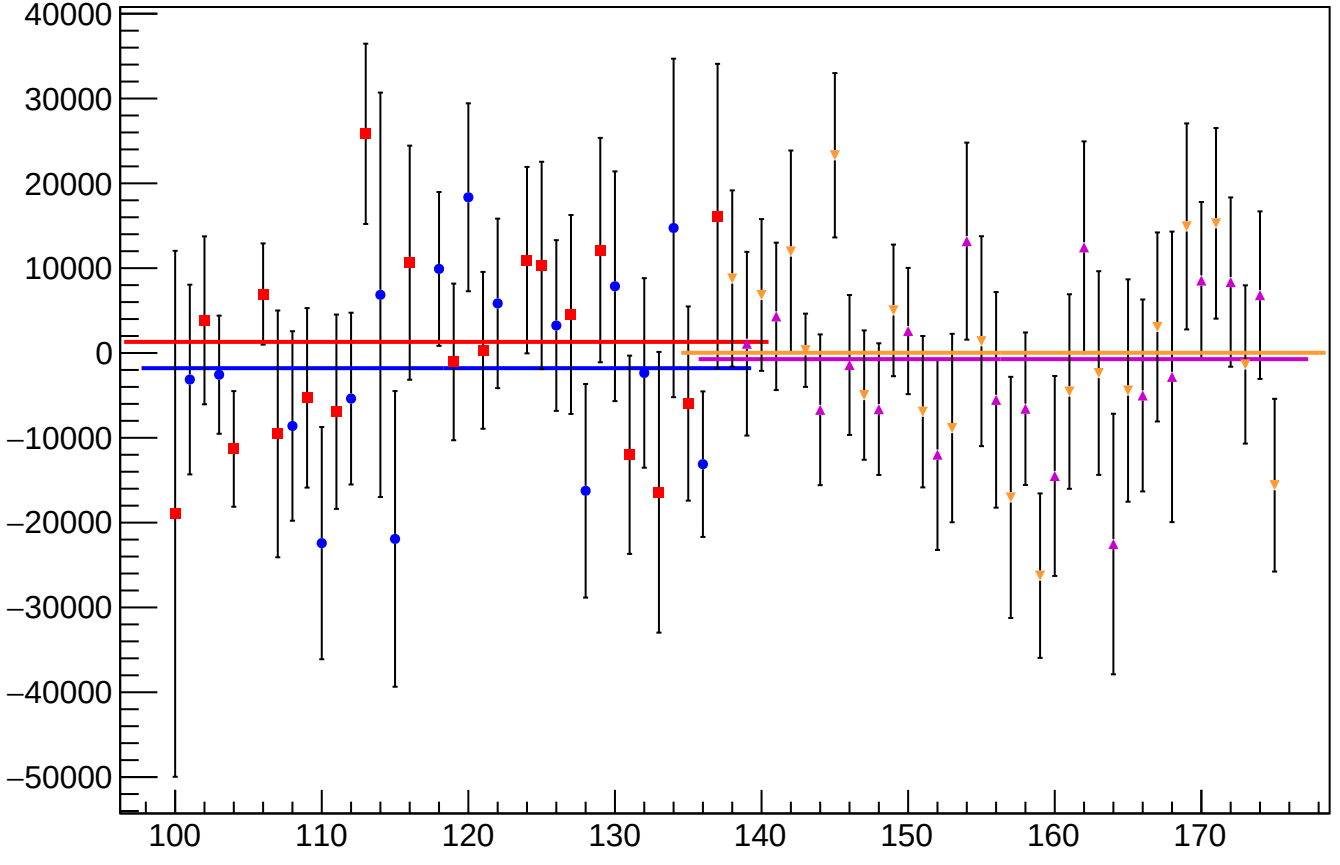
Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1796.675+/-0.330 χ^2/NDF:91527.4/17

+ sign 1762.548+/-0.262 χ^2/NDF: 860558.8/35

All: 1753.491+/-0.186 χ^2/NDF: 1456437.2/72

- sign 1744.296+/-0.264 χ^2/NDF: 593466.9/36



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 25.376+/-2067.563 χ^2/NDF:25.1/19

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

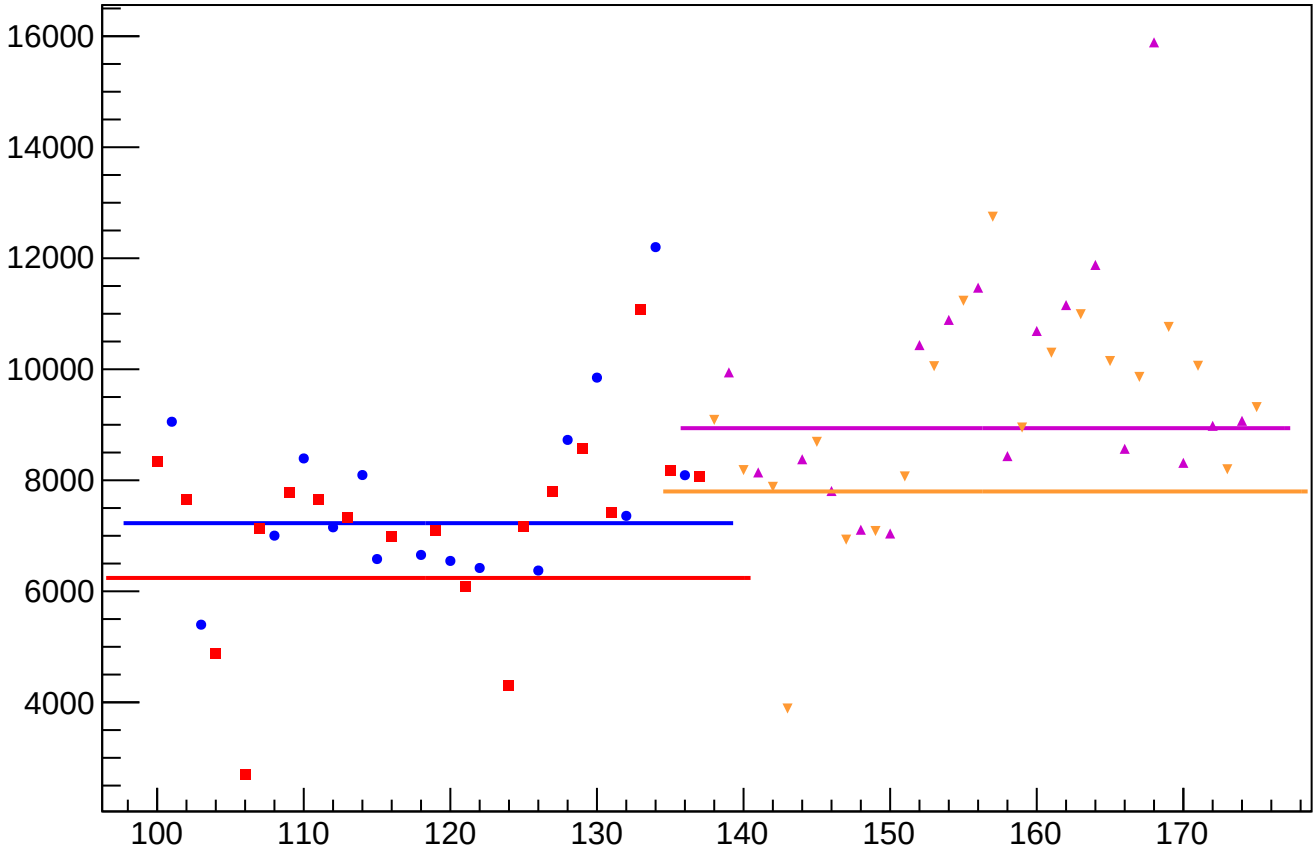
Left In: -726.278+/-2365.369 χ^2/NDF:11.7/17

\+ sign -632.533+/-1651.201 χ^2/NDF: 39.7/35

All: -196.675+/-1182.749 χ^2/NDF: 69.6/72

\- sign 262.600+/-1694.979 χ^2/NDF: 29.8/36

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 7798.697+/-1.462 χ^2/NDF:2861151.3/19

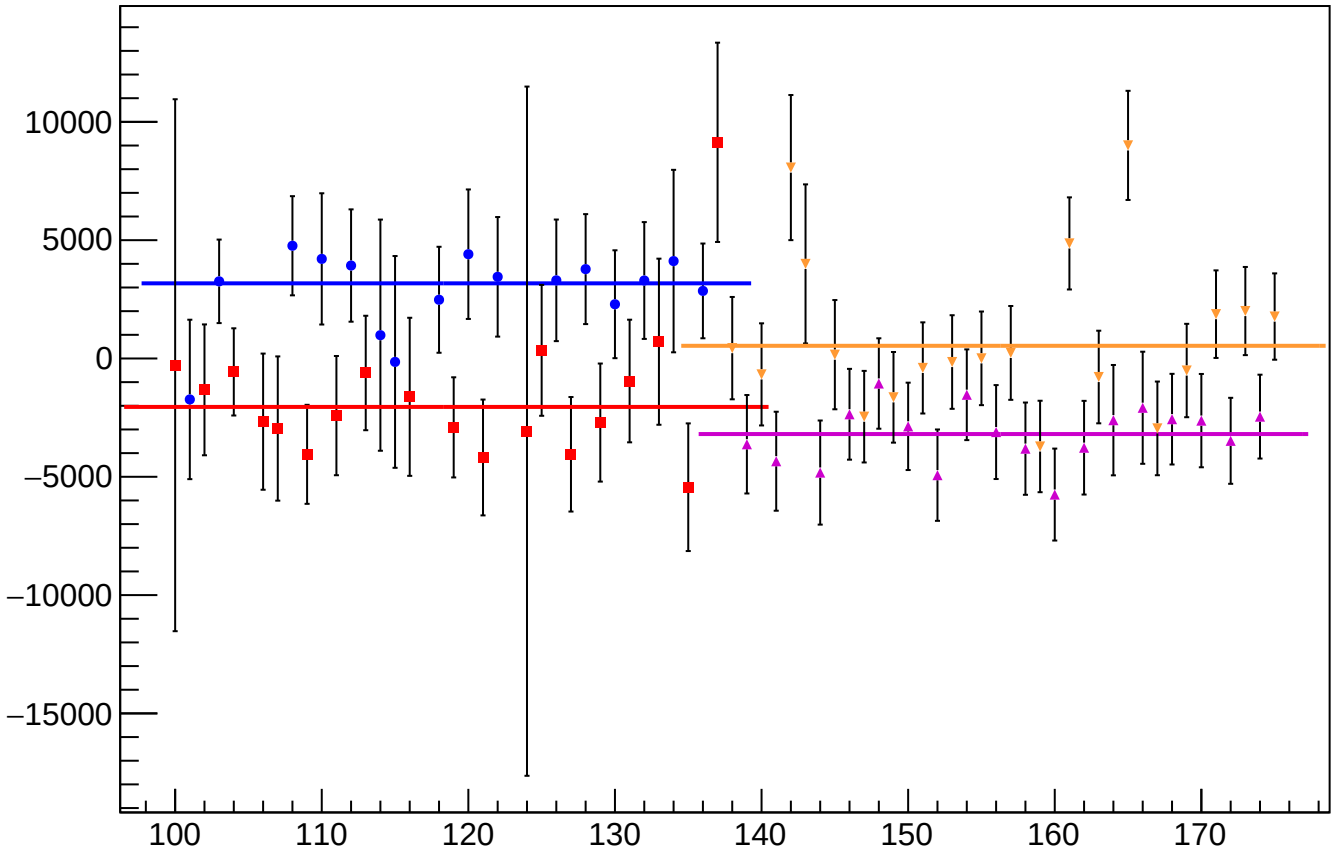
Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8938.869+/-1.673 χ^2/NDF:1019801.8/17

+ sign 7591.840+/-1.168 χ^2/NDF: 3419683.5/35

All: 7608.526+/-0.836 χ^2/NDF: 7105203.4/72

- sign 7626.109+/-1.199 χ^2/NDF: 3685100.5/36



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 536.129+/-458.408 χ^2/NDF:40.3/19

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

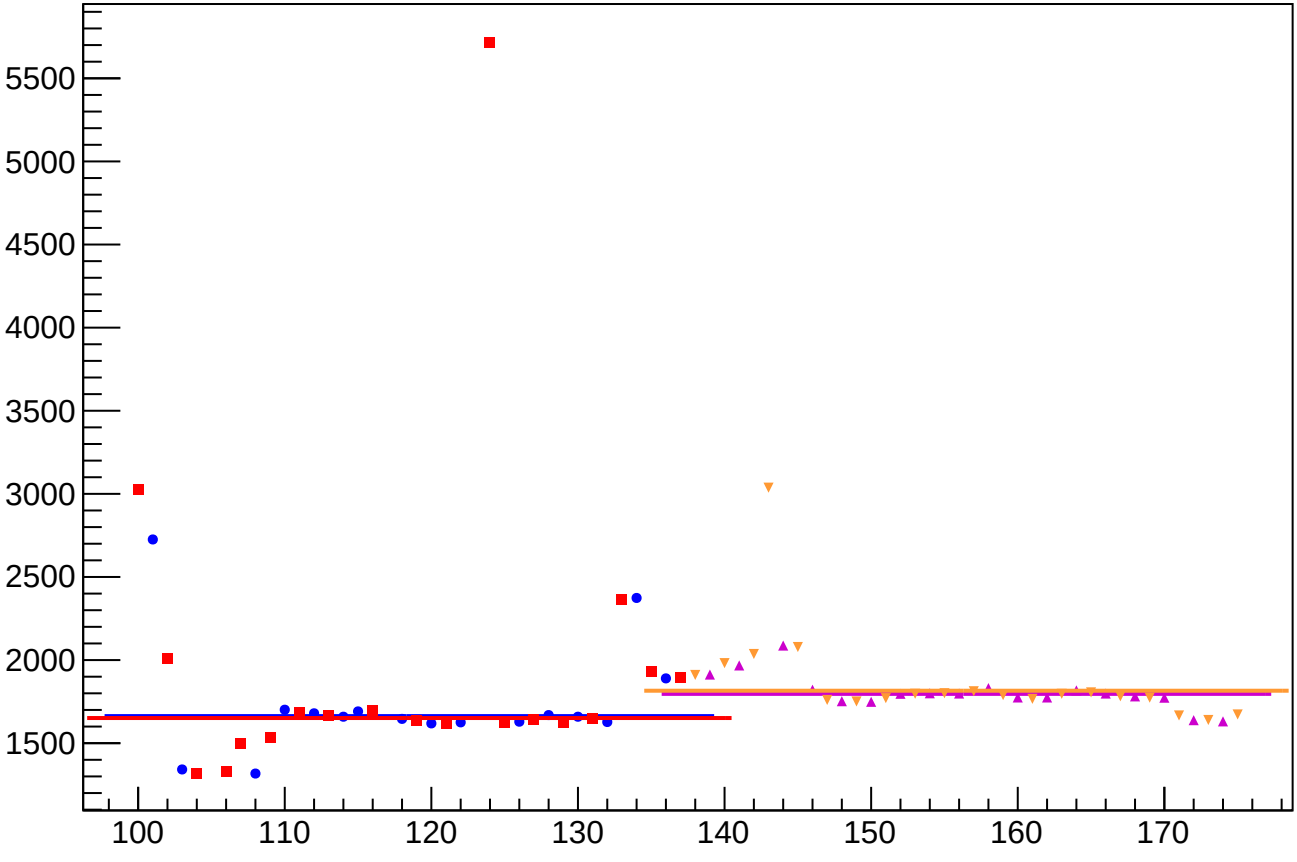
Left In: -3193.594+/-466.485 χ^2/NDF:6.5/17

+ sign 1453.682+/-370.257 χ^2/NDF: 56.1/35

All: -647.303+/-262.805 χ^2/NDF: 143.8/72

- sign -2780.486+/-373.084 χ^2/NDF: 22.7/36

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1815.644+/-0.324 χ^2/NDF:367741.3/19

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

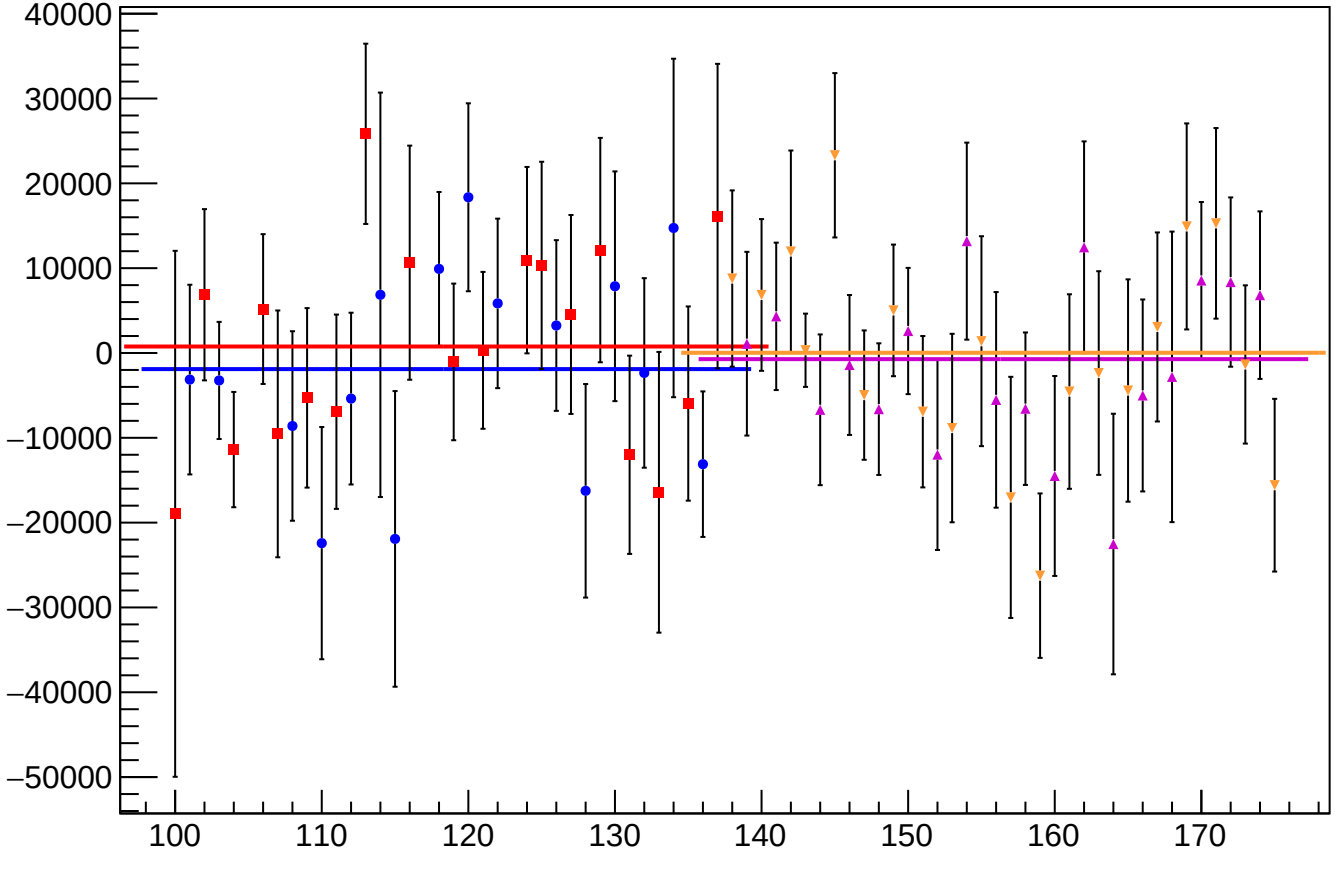
Left In: 1796.675+/-0.330 χ^2/NDF:91527.4/17

+ sign 1762.548+/-0.262 χ^2/NDF: 860559.3/35

All: 1753.491+/-0.186 χ^2/NDF: 1456438.0/72

- sign 1744.296+/-0.264 χ^2/NDF: 593467.1/36

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 25.306+/-2067.558 χ^2/NDF:25.1/19

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

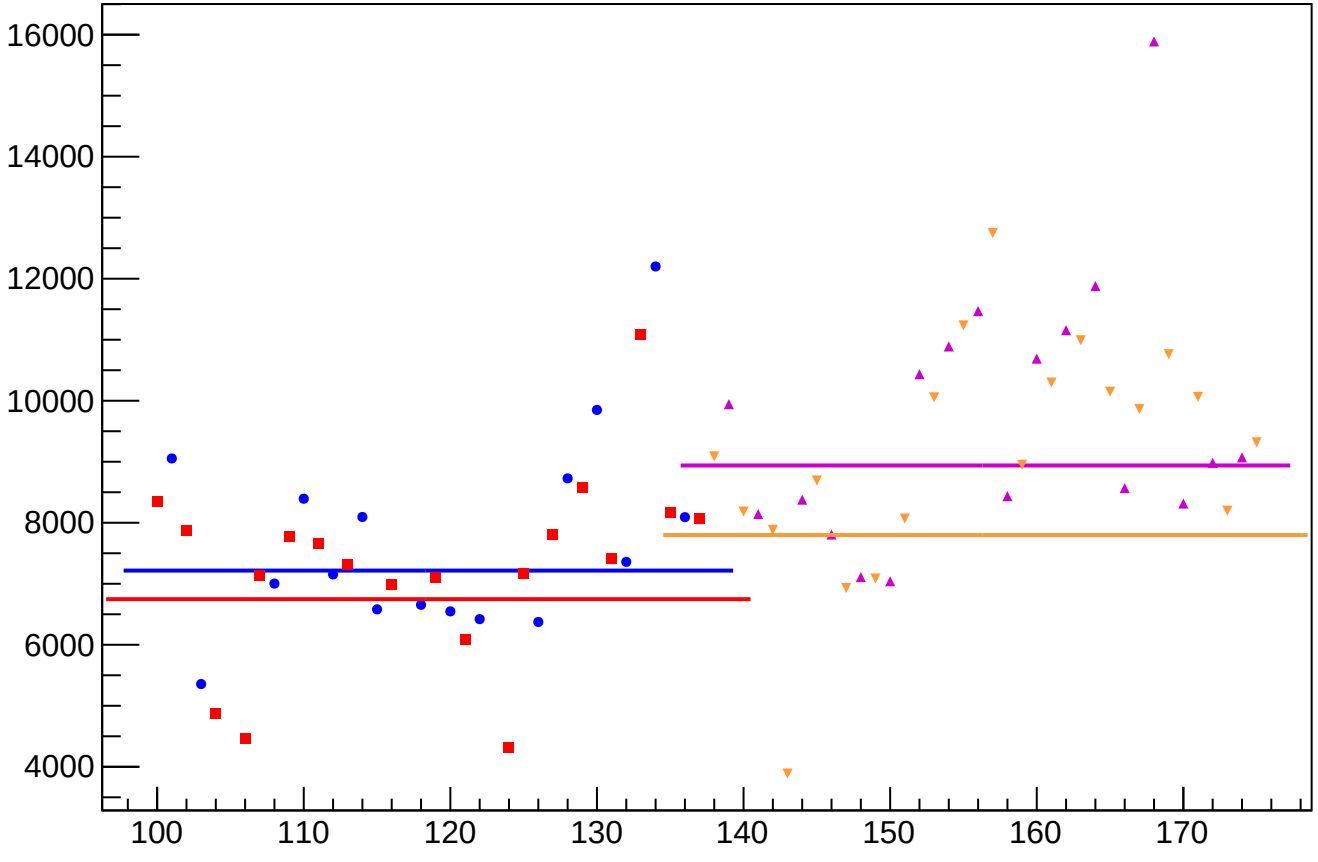
Left In: -726.341+/-2365.368 χ^2/NDF:11.7/17

+ sign -673.278+/-1650.398 χ^2/NDF: 39.7/35

All: -371.228+/-1195.521 χ^2/NDF: 68.9/72

- sign -37.743+/-1734.152 χ^2/NDF: 29.1/36

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7798.667+/-1.462 χ^2/NDF:2861218.3/19

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

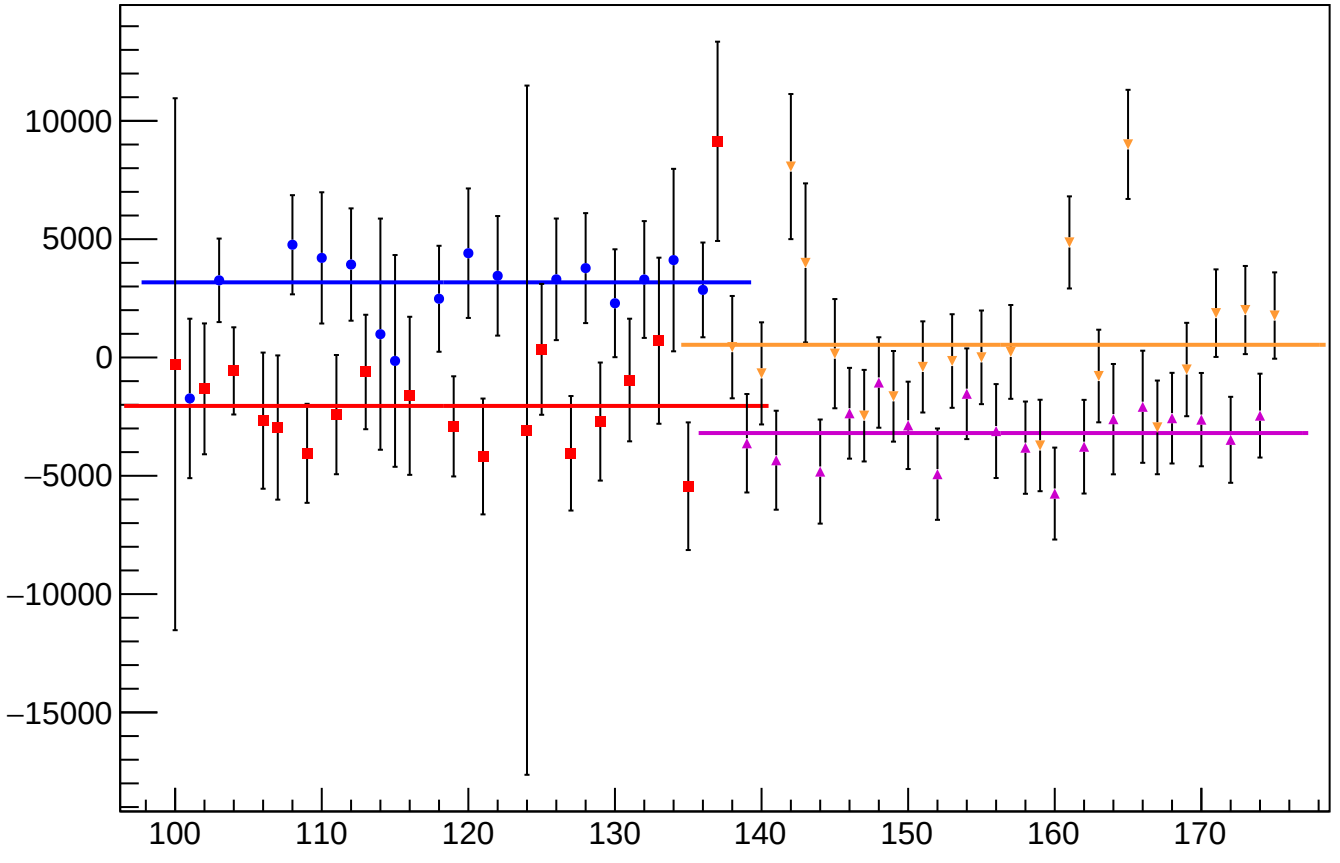
Left In: 8938.864+/-1.673 χ^2/NDF:1019806.9/17

+ sign 7587.274+/-1.167 χ^2/NDF: 3430968.5/35

All: 7748.005+/-0.845 χ^2/NDF: 5993226.6/72

- sign 7925.463+/-1.226 χ^2/NDF: 2522345.5/36

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 536.129+/-458.408 χ^2/NDF:40.3/19

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

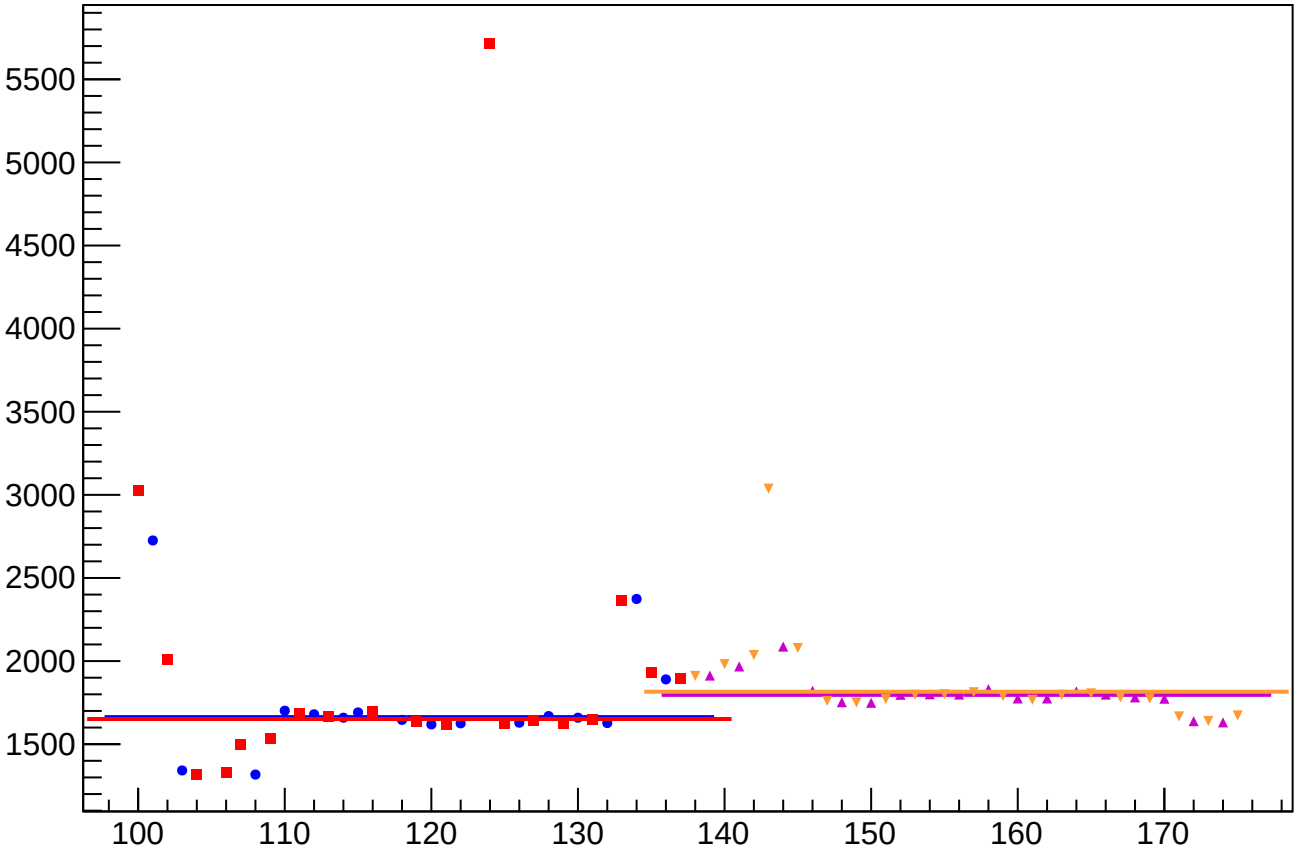
Left In: -3193.594+/-466.485 χ^2/NDF:6.5/17

+ sign 1453.682+/-370.257 χ^2/NDF: 56.1/35

All: -647.303+/-262.805 χ^2/NDF: 143.8/72

- sign -2780.486+/-373.084 χ^2/NDF: 22.7/36

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1815.644+/-0.324 χ^2/NDF:367741.3/19

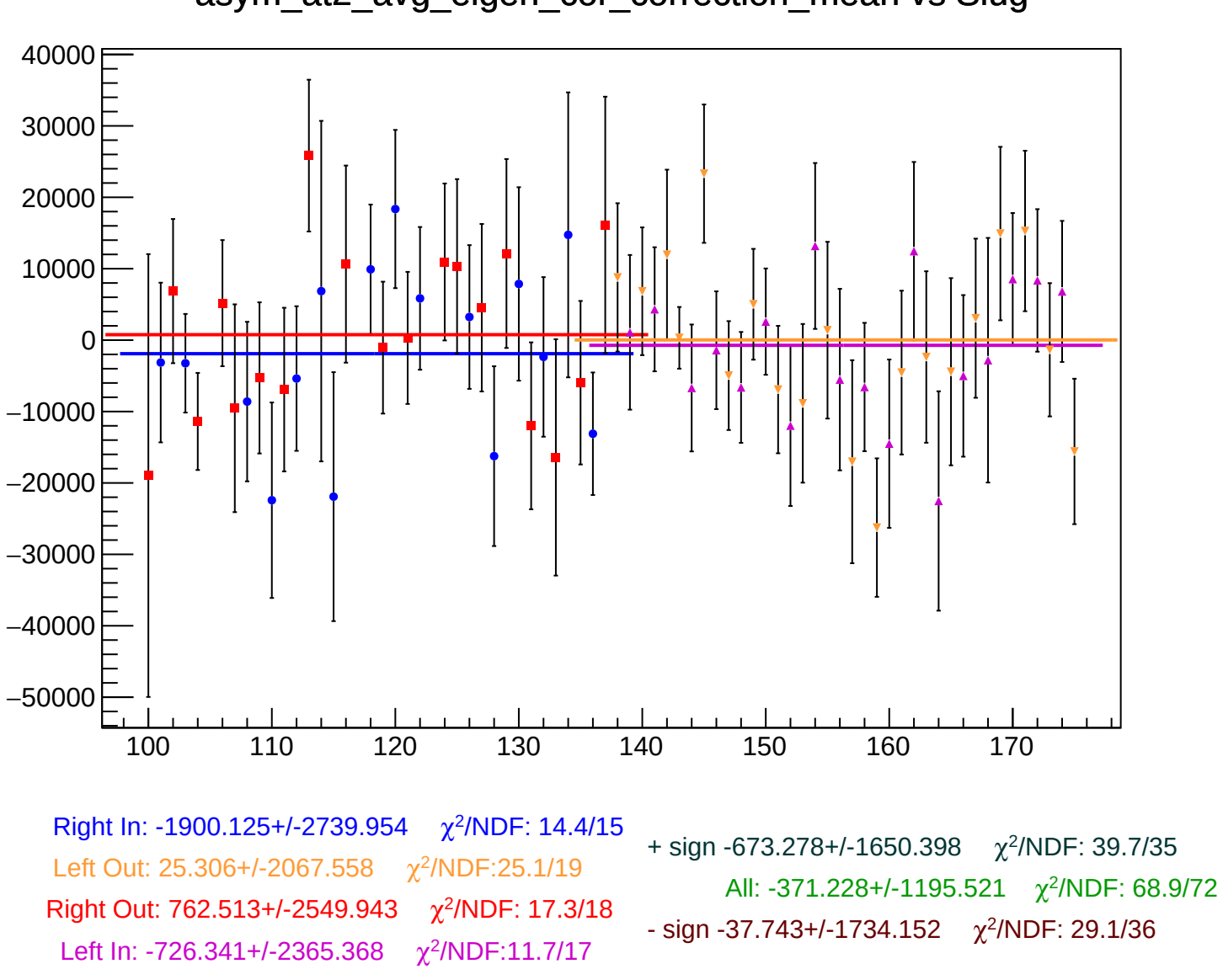
Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1796.675+/-0.330 χ^2/NDF:91527.4/17

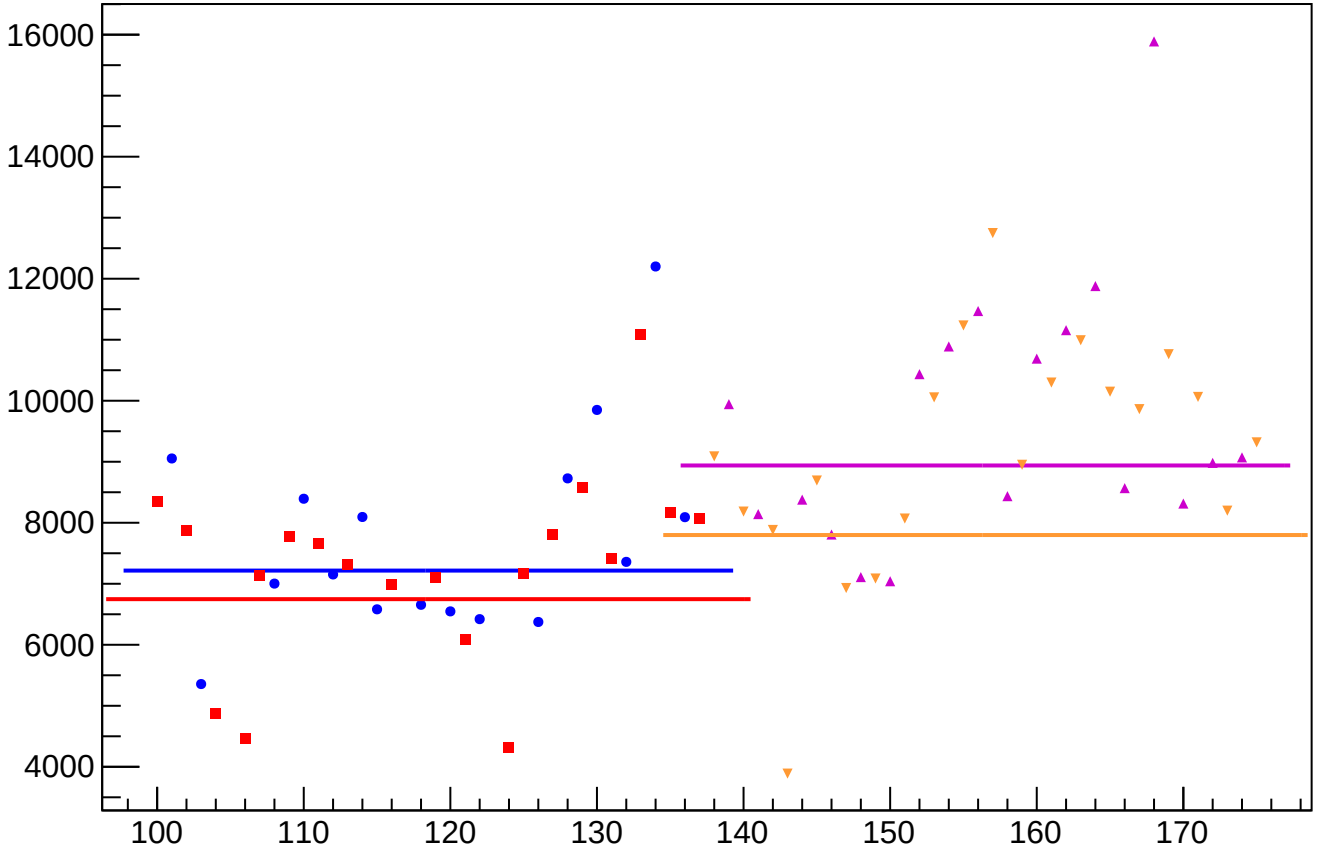
+ sign 1762.548+/-0.262 χ^2/NDF: 860559.3/35

All: 1753.491+/-0.186 χ^2/NDF: 1456438.0/72

- sign 1744.296+/-0.264 χ^2/NDF: 593467.1/36


asym_at2_avg_eigen_cor_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: -1900.125+/-2739.954 χ²/NDF: 14.4/15
Left Out: 25.306+/-2067.558 χ²/NDF:25.1/19
Right Out: 762.513+/-2549.943 χ²/NDF: 17.3/18
Left In: -726.341+/-2365.368 χ²/NDF:11.7/17
+ sign -673.278+/-1650.398 χ²/NDF: 39.7/35
All: -371.228+/-1195.521 χ²/NDF: 68.9/72
- sign -37.743+/-1734.152 χ²/NDF: 29.1/36

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7798.667+/-1.462 χ^2/NDF:2861218.3/19

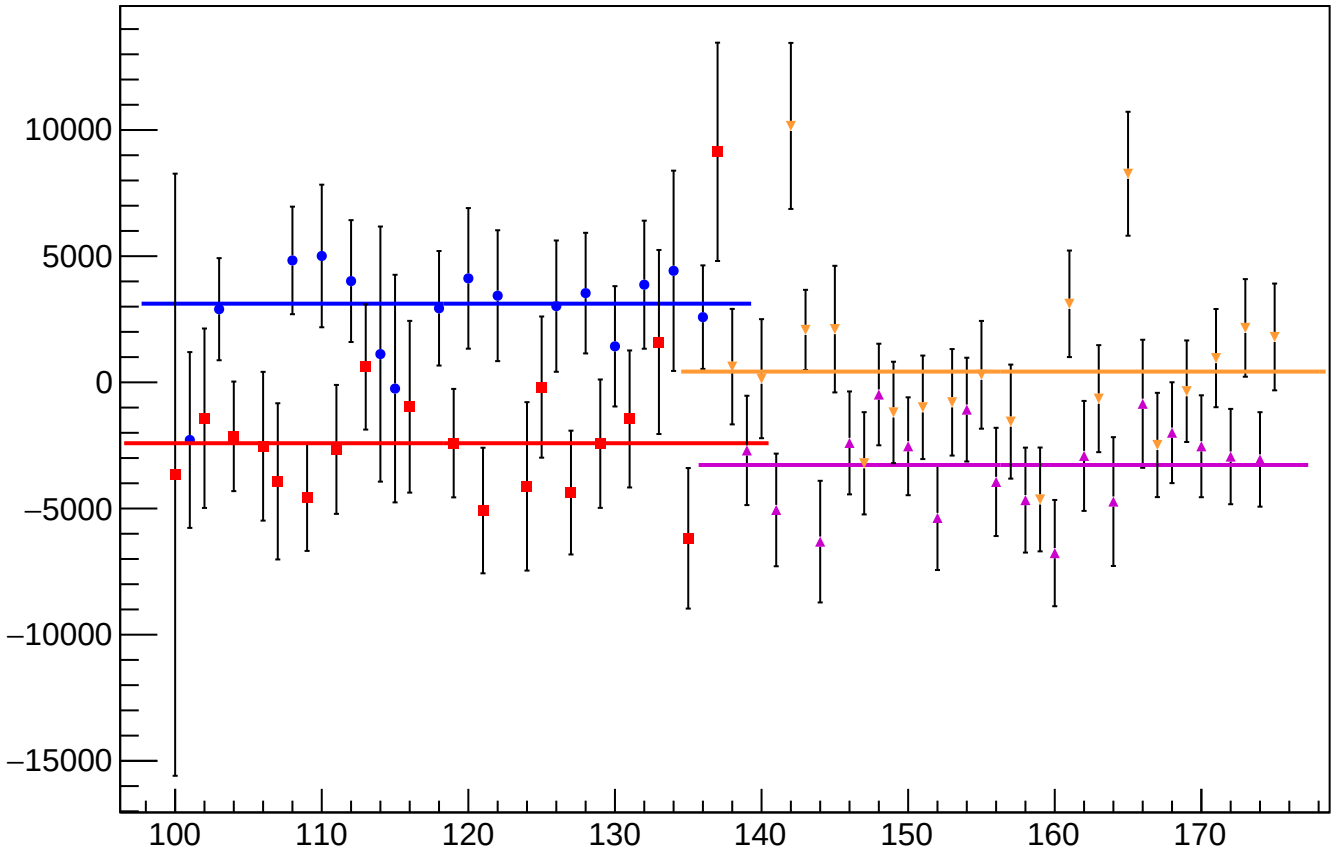
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8938.864+/-1.673 χ^2/NDF:1019806.9/17

\+ sign 7587.274+/-1.167 χ^2/NDF: 3430968.5/35

All: 7748.005+/-0.845 χ^2/NDF: 5993226.6/72

\- sign 7925.463+/-1.226 χ^2/NDF: 2522345.5/36



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 426.490+/-472.892 χ^2/NDF:37.3/19

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

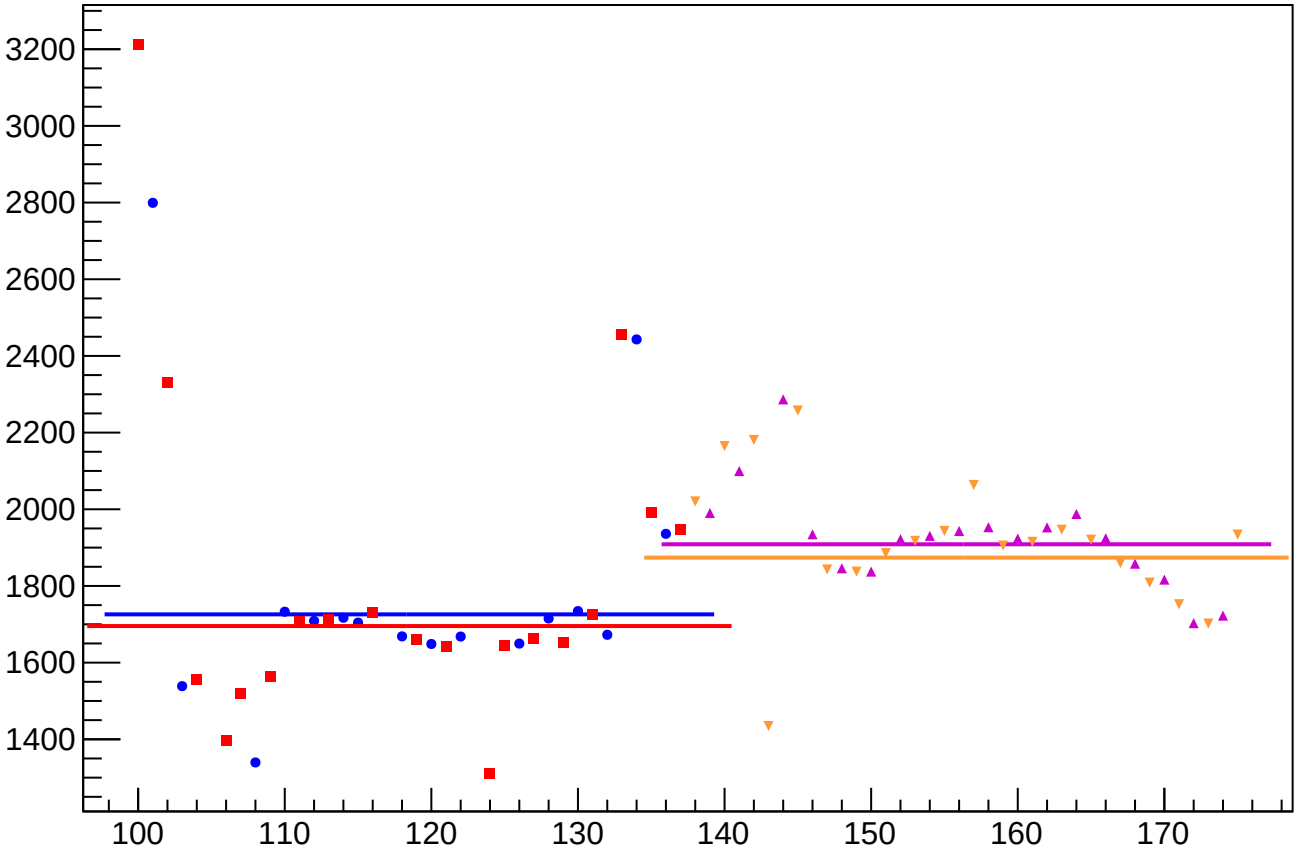
Left In: -3275.049+/-495.996 χ^2/NDF:11.9/17

+ sign 1355.897+/-382.626 χ^2/NDF: 53.8/35

All: -746.321+/-273.750 χ^2/NDF: 144.7/72

- sign -2950.754+/-391.818 χ^2/NDF: 29.0/36

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1873.915+/-0.334 χ^2/NDF:305842.3/19

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

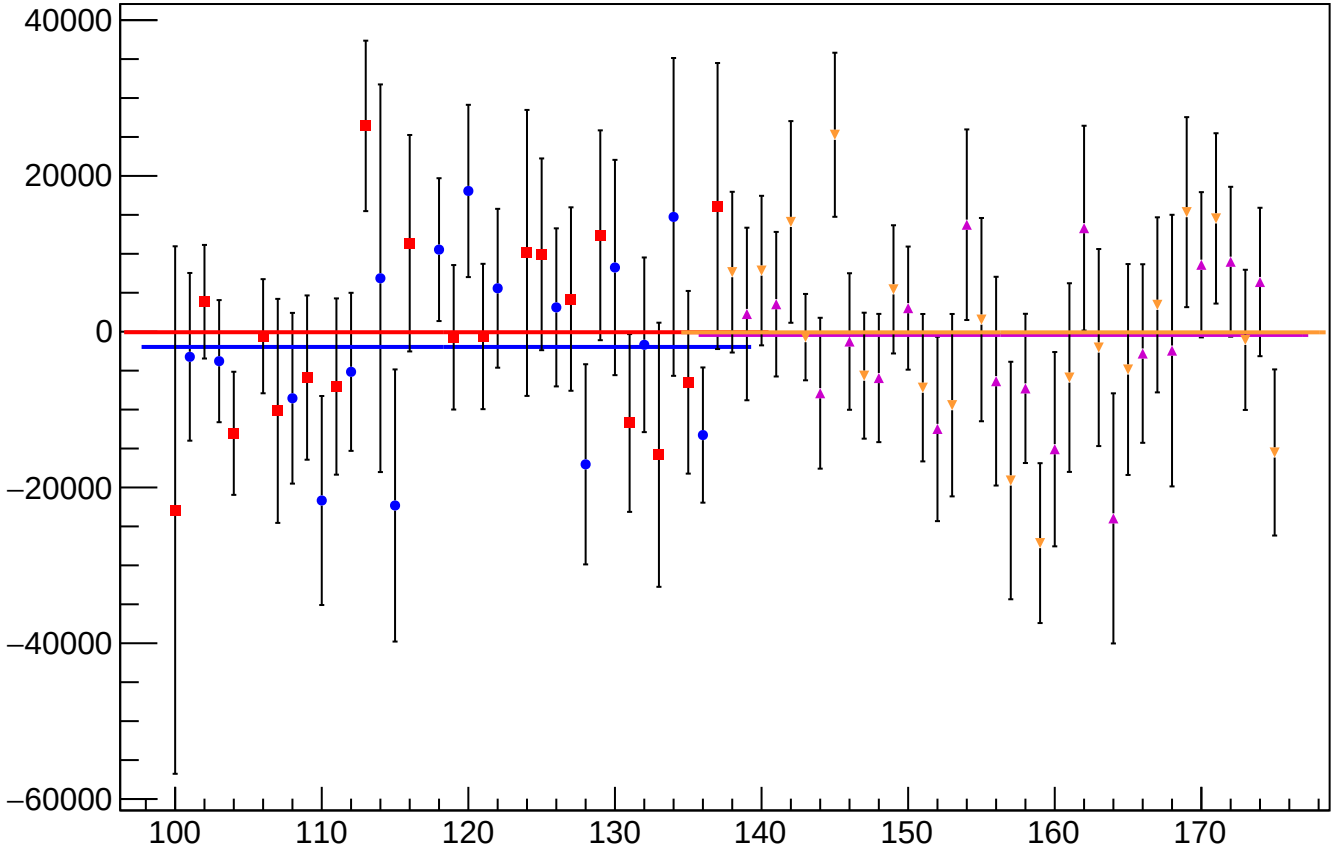
Left In: 1908.722+/-0.351 χ^2/NDF:125215.6/17

+ sign 1822.805+/-0.271 χ^2/NDF: 739133.5/35

All: 1825.575+/-0.194 χ^2/NDF: 1289354.6/72

- sign 1828.479+/-0.277 χ^2/NDF: 550006.4/36

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -82.951+/-2243.853 χ^2/NDF:24.9/19

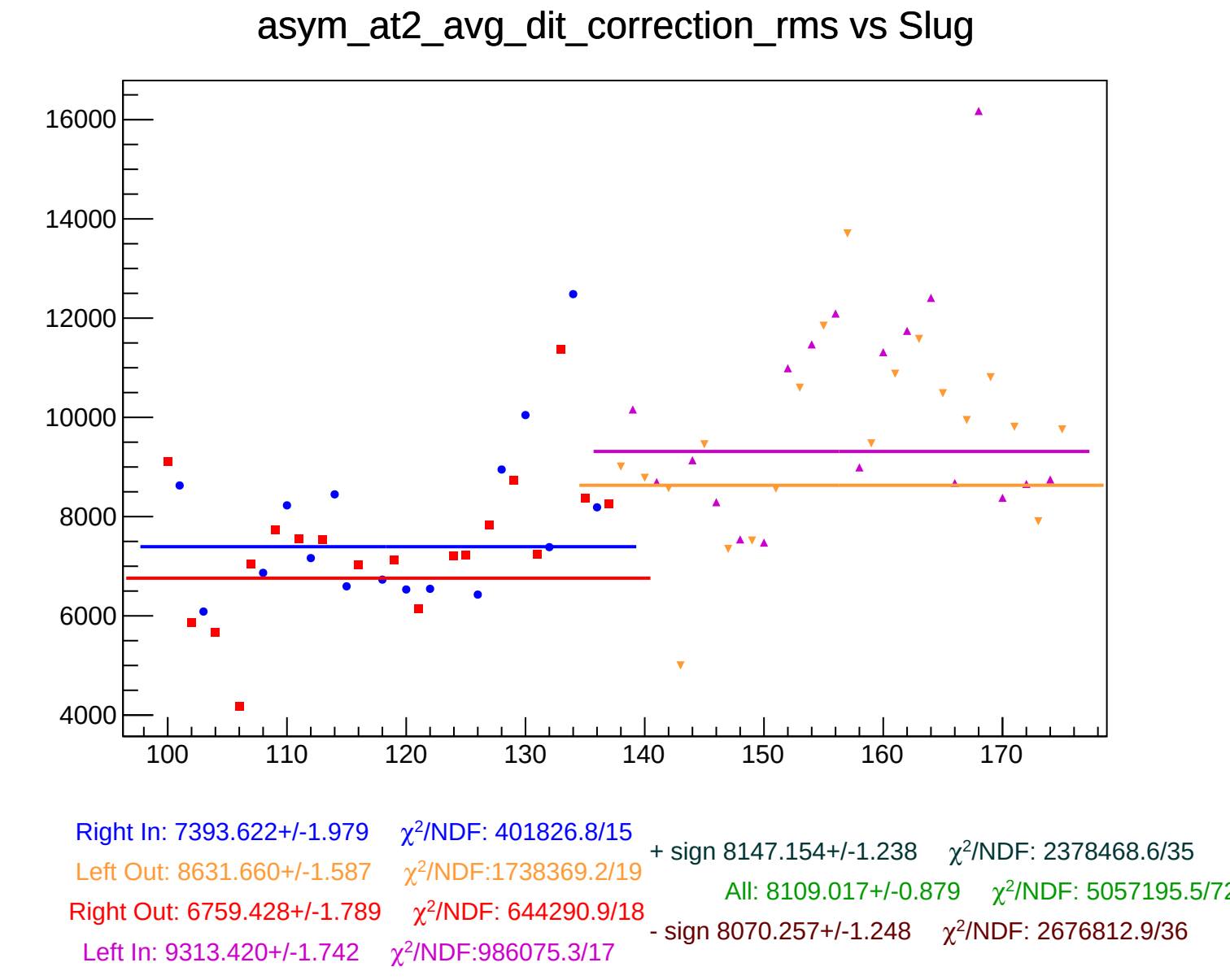
Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: -416.002+/-2463.373 χ^2/NDF:11.6/17

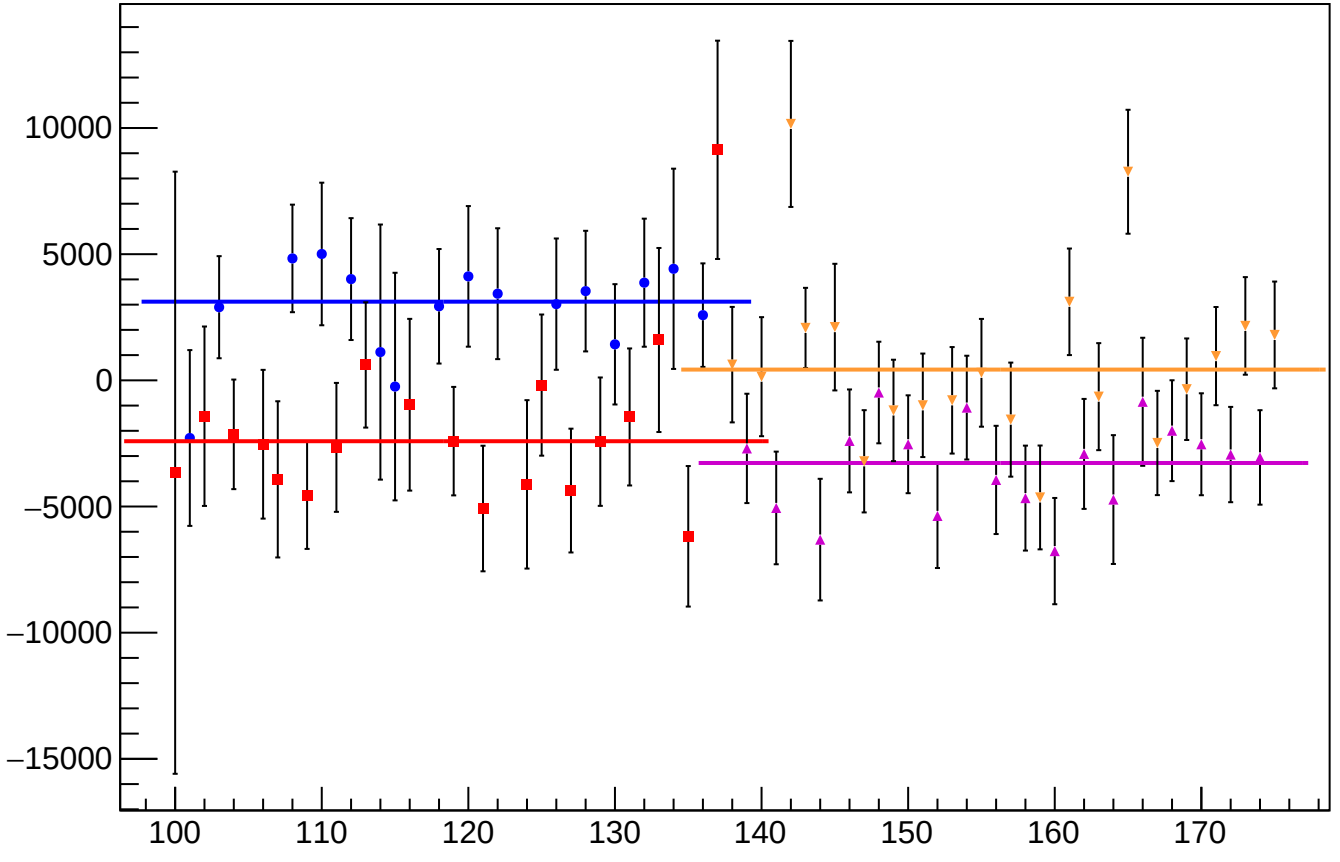
+ sign -816.970+/-1750.565 χ^2/NDF: 39.5/35

All: -534.137+/-1242.836 χ^2/NDF: 67.4/72

- sign -246.687+/-1764.792 χ^2/NDF: 27.8/36


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: 8631.660+/-1.587 χ²/NDF:1738369.2/19
Right Out: 6759.428+/-1.789 χ²/NDF: 644290.9/18
Left In: 9313.420+/-1.742 χ²/NDF:986075.3/17
+ sign 8147.154+/-1.238 χ²/NDF: 2378468.6/35
All: 8109.017+/-0.879 χ²/NDF: 5057195.5/72
- sign 8070.257+/-1.248 χ²/NDF: 2676812.9/36

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 426.482+/-472.893 χ^2/NDF:37.3/19

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

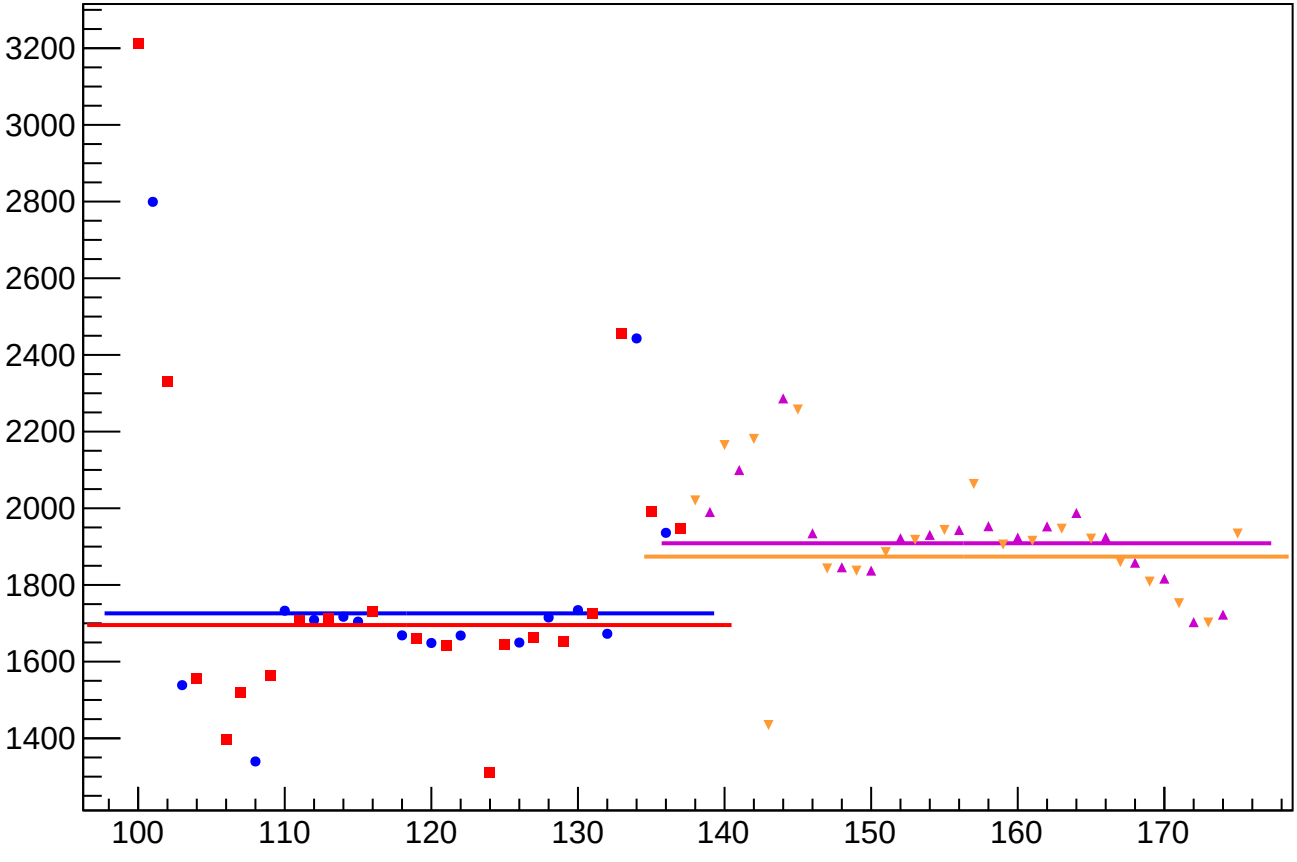
Left In: -3275.049+/-495.997 χ^2/NDF:11.9/17

+ sign 1355.894+/-382.627 χ^2/NDF: 53.8/35

All: -746.324+/-273.750 χ^2/NDF: 144.7/72

- sign -2950.757+/-391.818 χ^2/NDF: 29.0/36

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1873.917+/-0.334 χ^2/NDF:305846.7/19

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

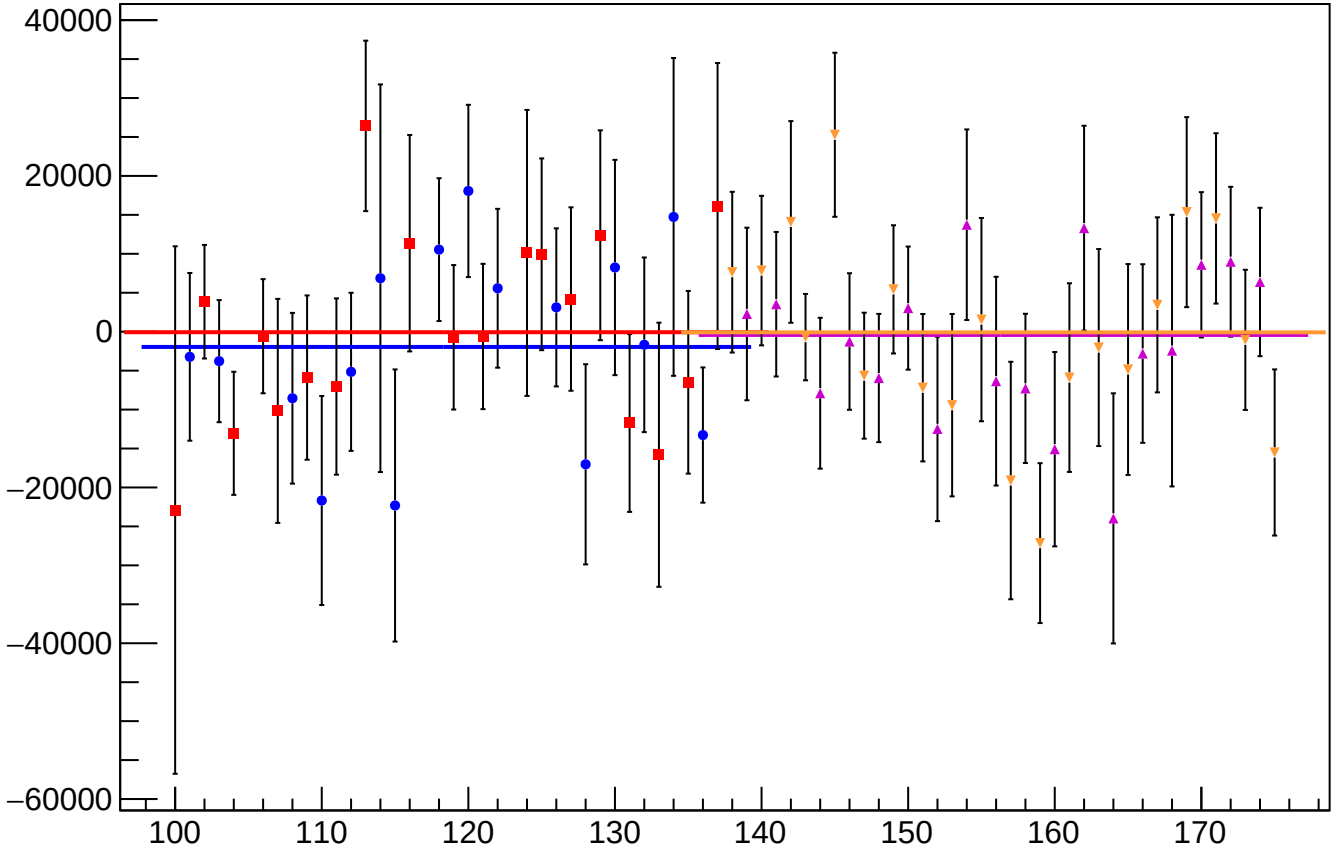
Left In: 1908.725+/-0.351 χ^2/NDF:125220.0/17

+ sign 1822.806+/-0.271 χ^2/NDF: 739140.1/35

All: 1825.576+/-0.194 χ^2/NDF: 1289369.0/72

- sign 1828.481+/-0.277 χ^2/NDF: 550014.2/36

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: -82.958+/-2243.857 χ^2/NDF:24.9/19

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

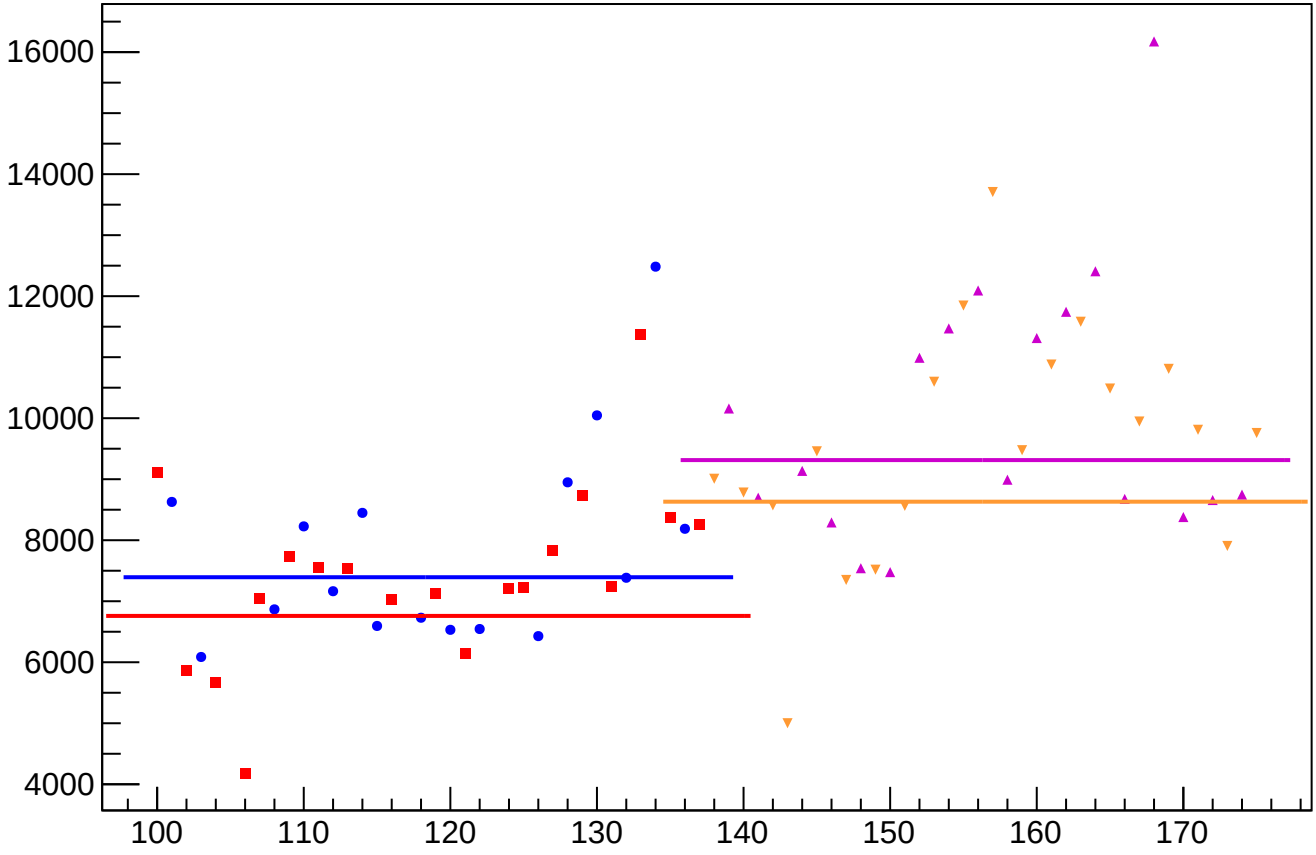
Left In: -416.000+/-2463.376 χ^2/NDF:11.6/17

+ sign -816.970+/-1750.565 χ^2/NDF: 39.5/35

All: -534.137+/-1242.836 χ^2/NDF: 67.4/72

- sign -246.689+/-1764.791 χ^2/NDF: 27.8/36

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8631.674+/-1.587 χ^2/NDF:1738369.3/19

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

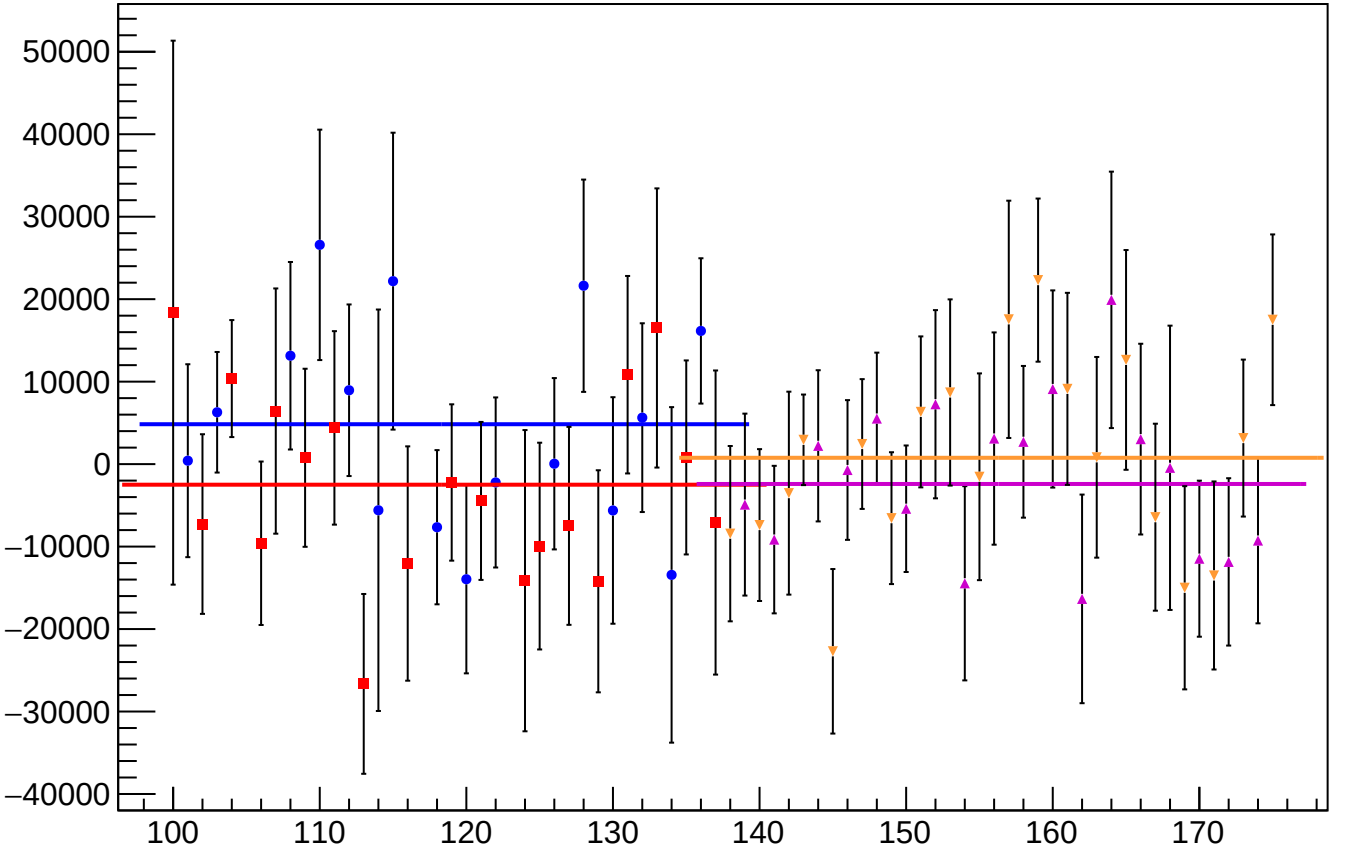
Left In: 9313.433+/-1.742 χ^2/NDF:986077.1/17

+ sign 8147.154+/-1.238 χ^2/NDF: 2378483.5/35

All: 8109.014+/-0.879 χ^2/NDF: 5057234.9/72

- sign 8070.252+/-1.248 χ^2/NDF: 2676837.3/36

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 767.385+/-2205.008 χ^2/NDF:22.8/19

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

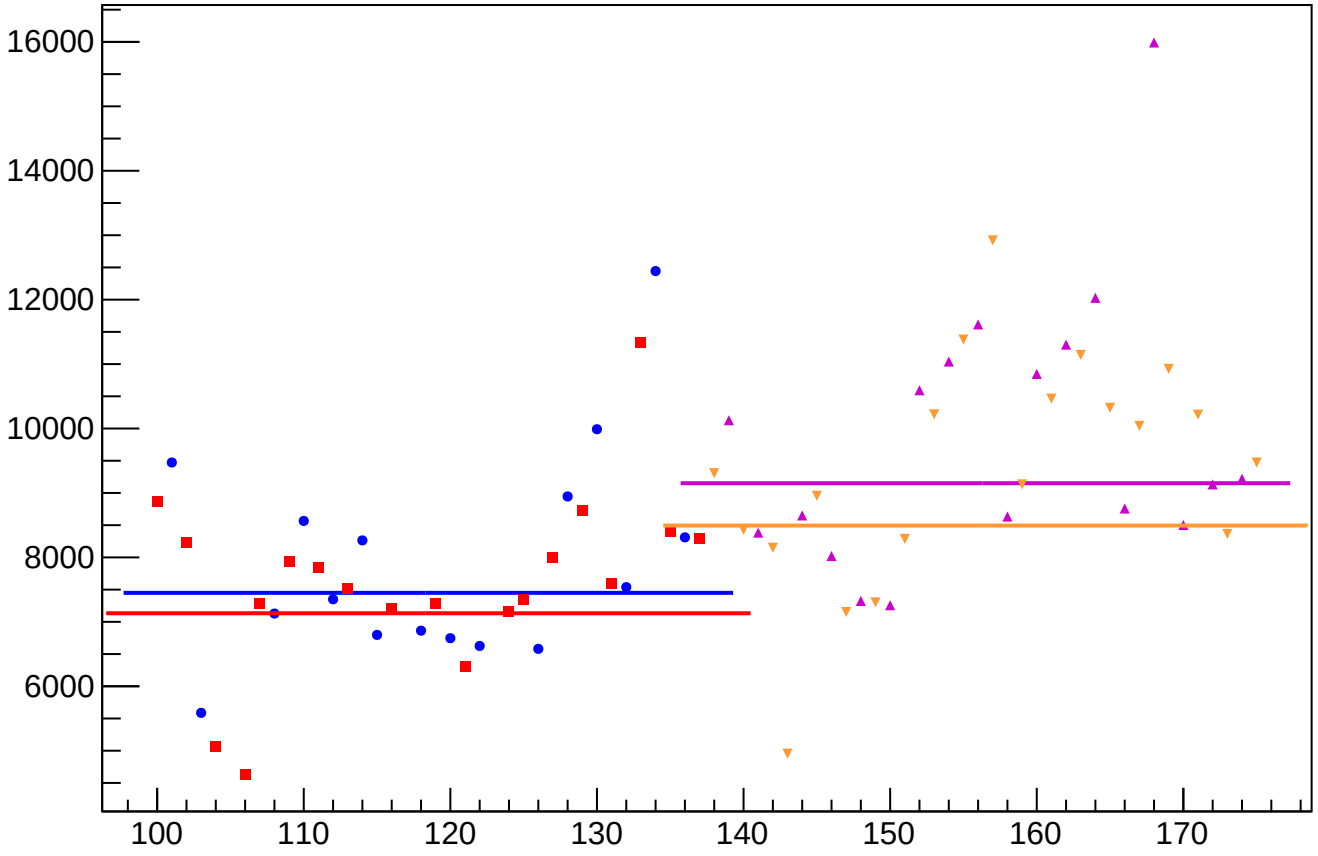
Left In: -2408.180+/-2418.373 χ^2/NDF:11.0/17

+ sign 2305.742+/-1739.115 χ^2/NDF: 38.4/35

All: 11.090+/-1250.739 χ^2/NDF: 68.0/72

- sign -2447.275+/-1800.085 χ^2/NDF: 25.9/36

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8494.247+/-1.559 χ^2/NDF:1671633.4/19

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

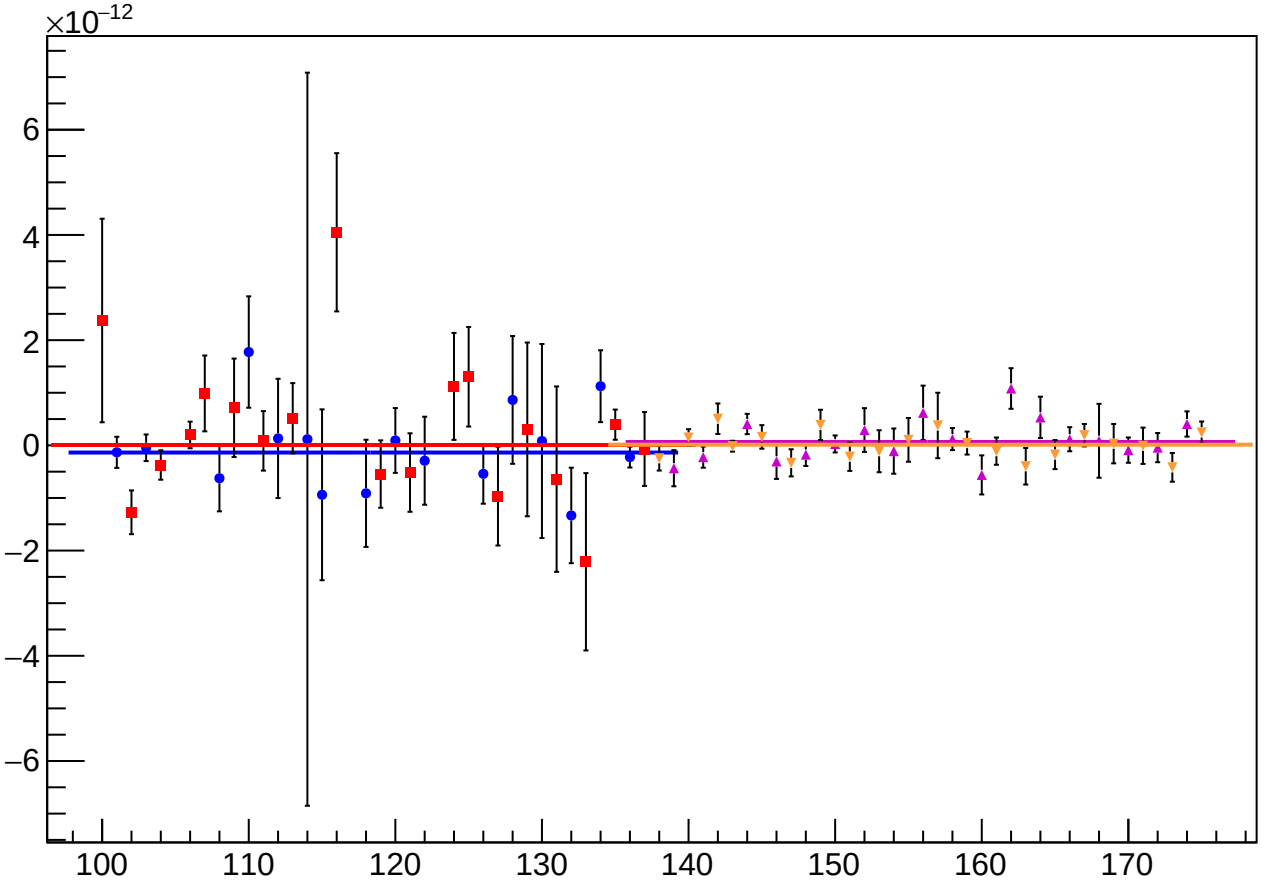
Left In: 9151.641+/-1.710 χ^2/NDF:954546.5/17

+ sign 8099.581+/-1.230 χ^2/NDF: 2327592.2/35

All: 8172.871+/-0.884 χ^2/NDF: 4467906.5/72

- sign 8251.385+/-1.273 χ^2/NDF: 2132957.3/36

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

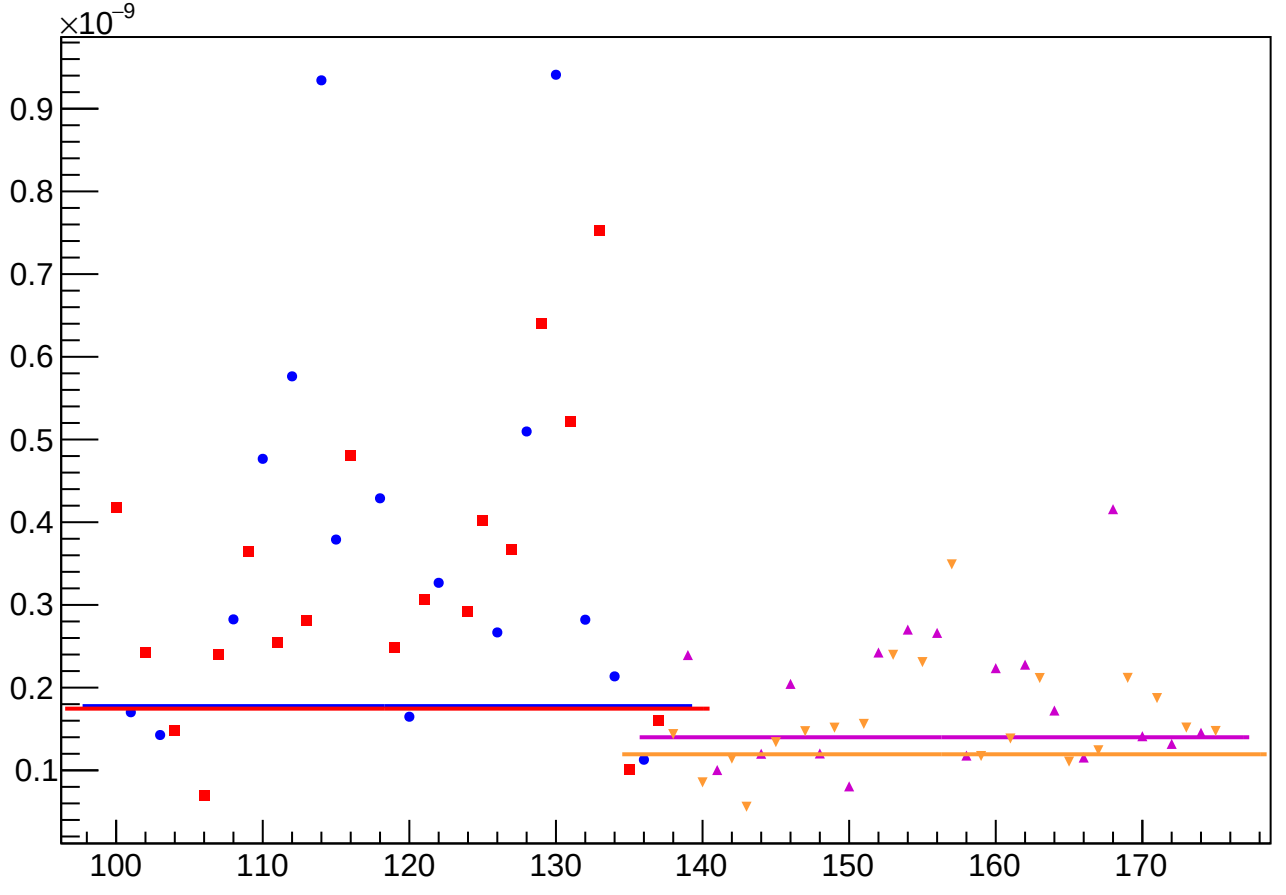
Left In: 0.000+/-0.000 χ^2/NDF:25.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 29.5/35

All: 0.000+/-0.000 χ^2/NDF: 88.4/72

- sign 0.000+/-0.000 χ^2/NDF: 58.2/36

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1976531.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

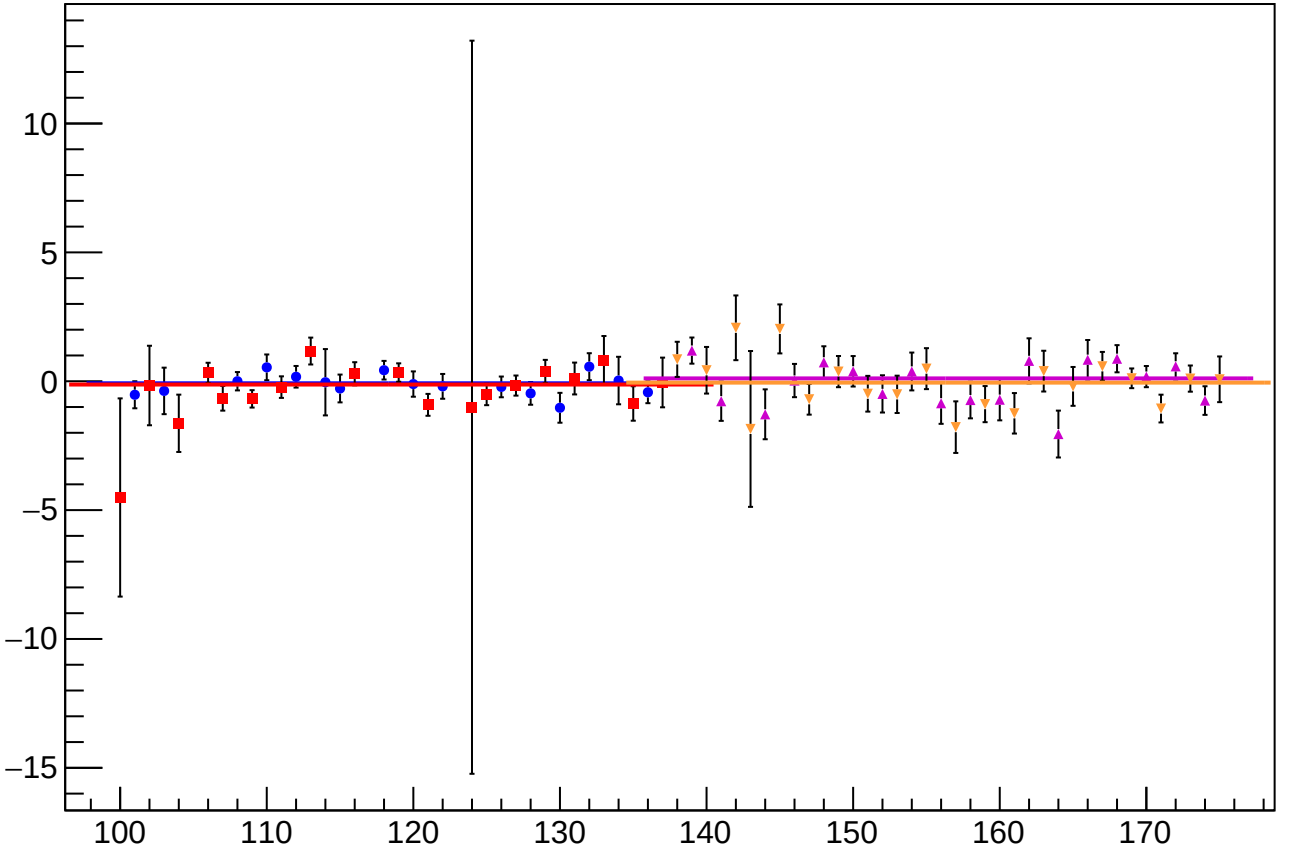
Left In: 0.000+/-0.000 χ^2/NDF:1625973.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 3904139.5/35

All: 0.000+/-0.000 χ^2/NDF: 7423677.5/72

- sign 0.000+/-0.000 χ^2/NDF: 3393066.4/36

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.053+/-0.153 χ^2/NDF:25.1/19

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

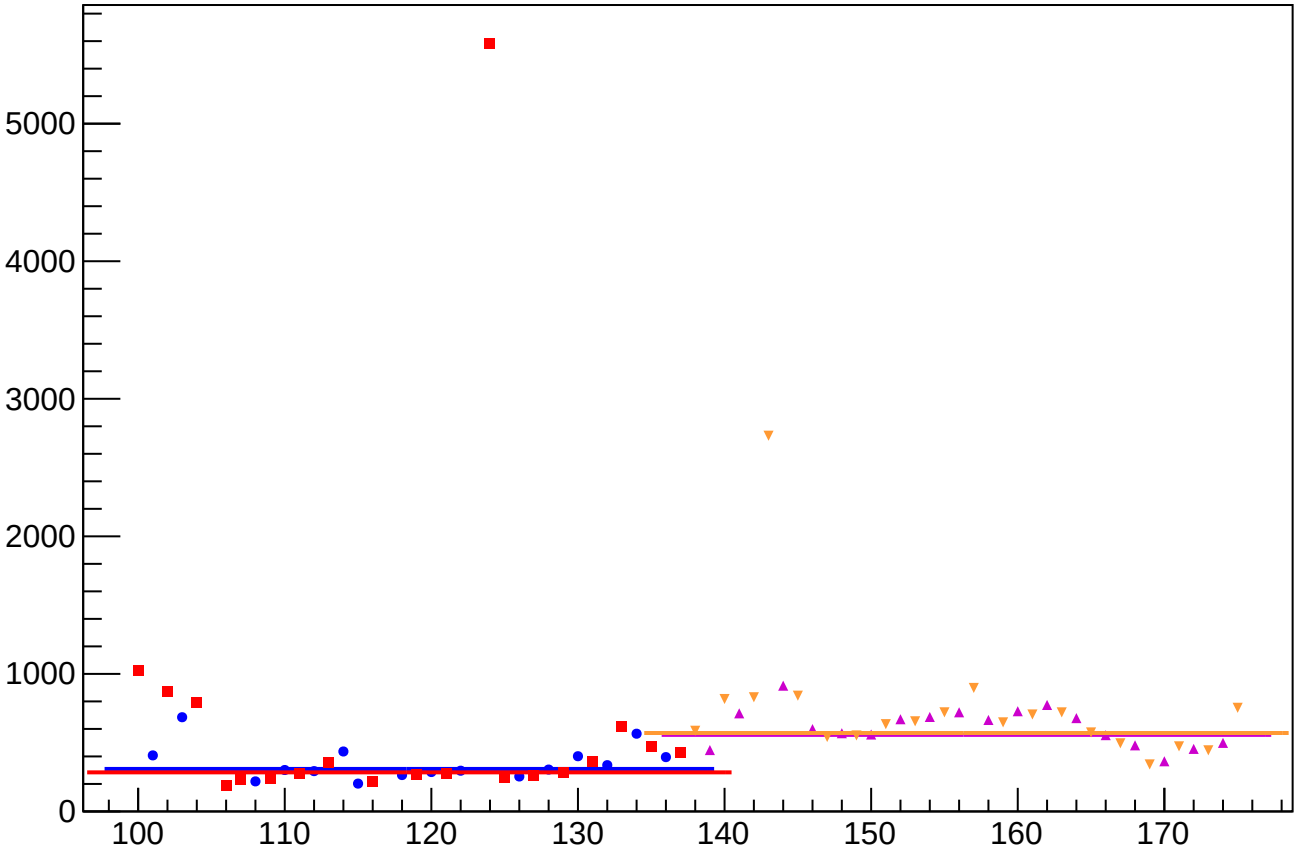
Left In: 0.110+/-0.150 χ^2/NDF:26.4/17

+ sign -0.070+/-0.095 χ^2/NDF: 35.9/35

All: -0.053+/-0.066 χ^2/NDF: 89.2/72

- sign -0.038+/-0.092 χ^2/NDF: 53.3/36

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 570.357+/-0.108 χ^2/NDF:2935336.4/19

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

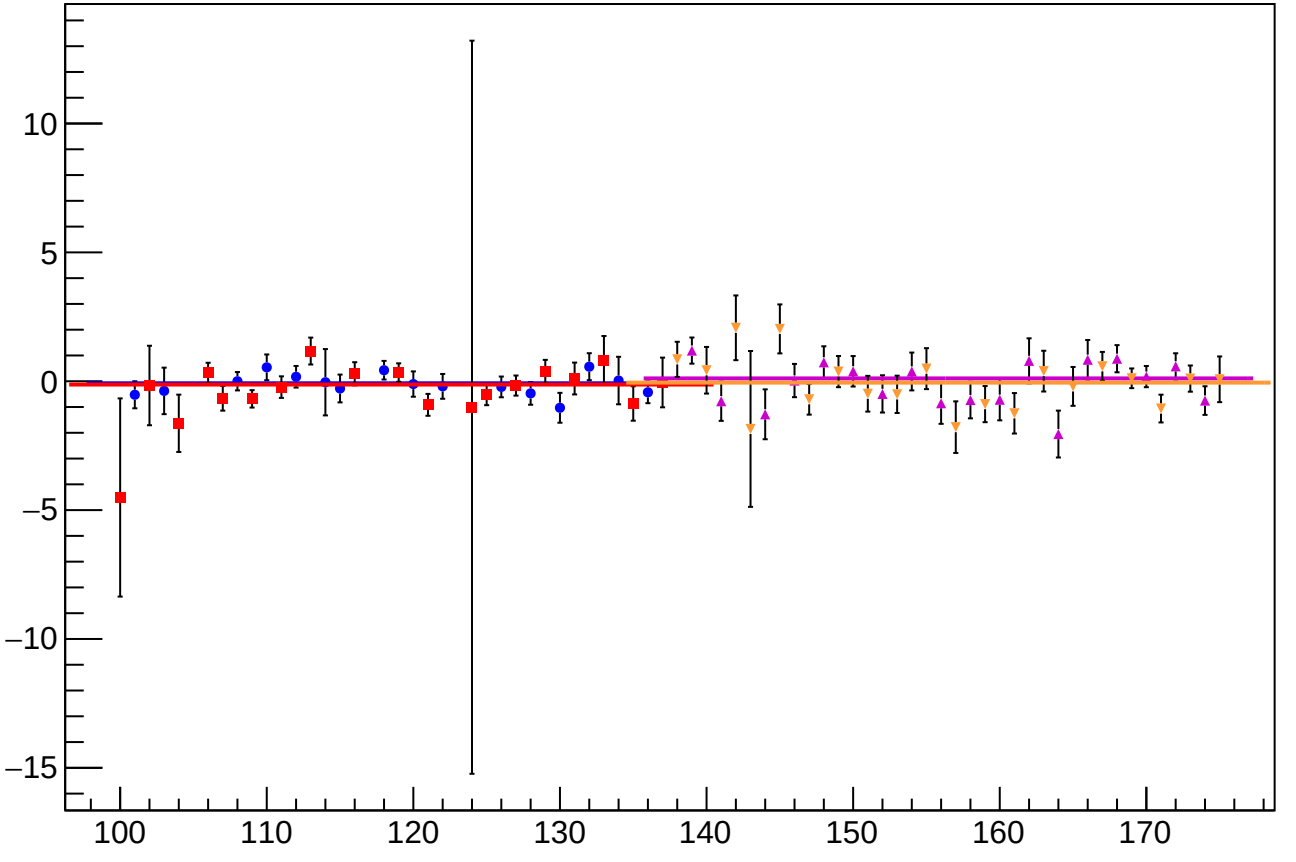
Left In: 556.624+/-0.106 χ^2/NDF:1537318.2/17

+ sign 410.903+/-0.067 χ^2/NDF: 7531977.0/35

All: 398.528+/-0.047 χ^2/NDF: 15085895.1/72

- sign 386.902+/-0.065 χ^2/NDF: 7488383.9/36

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.053+/-0.153 χ^2/NDF:25.1/19

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

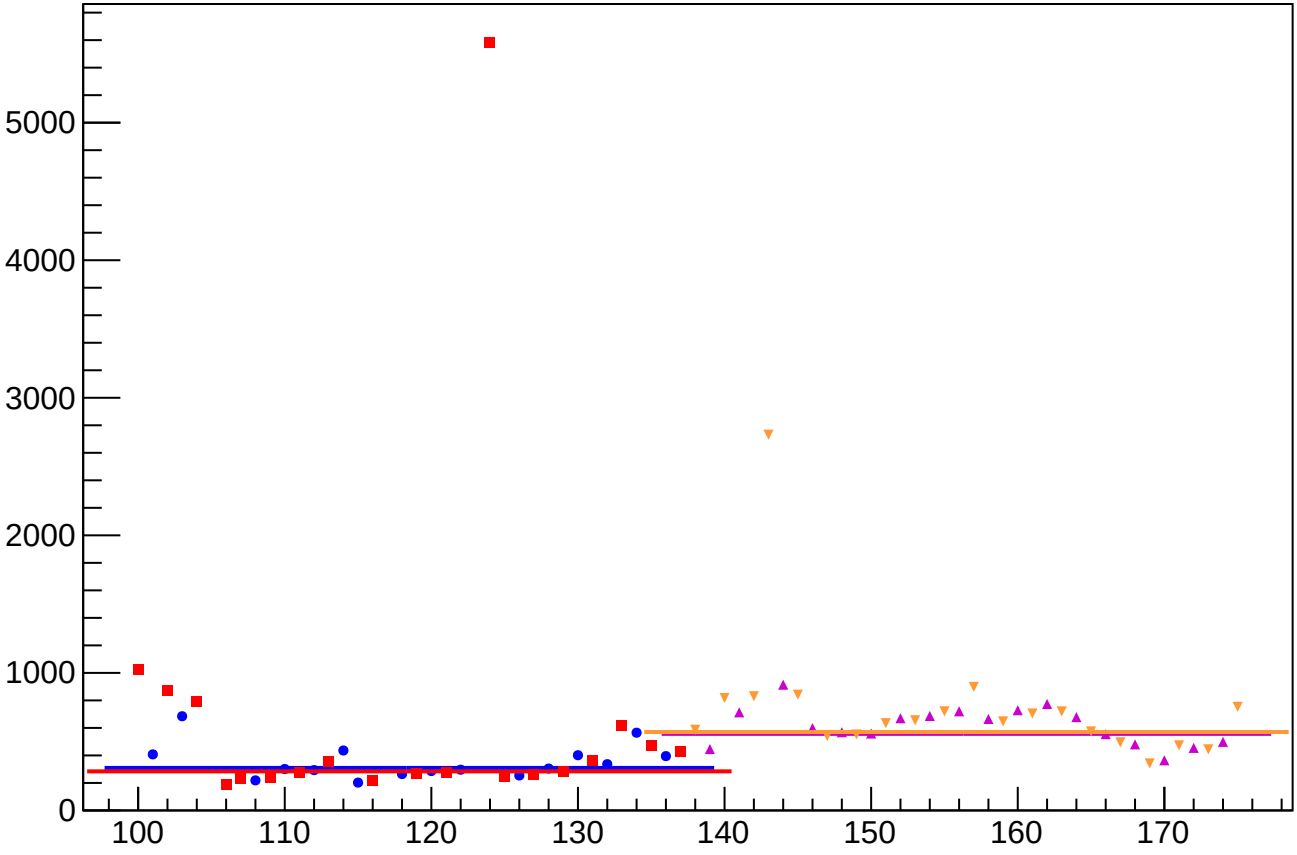
Left In: 0.110+/-0.150 χ^2/NDF:26.4/17

+ sign -0.070+/-0.095 χ^2/NDF: 35.9/35

All: -0.053+/-0.066 χ^2/NDF: 89.2/72

- sign -0.038+/-0.092 χ^2/NDF: 53.3/36

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 570.357+/-0.108 χ^2/NDF:2935336.4/19

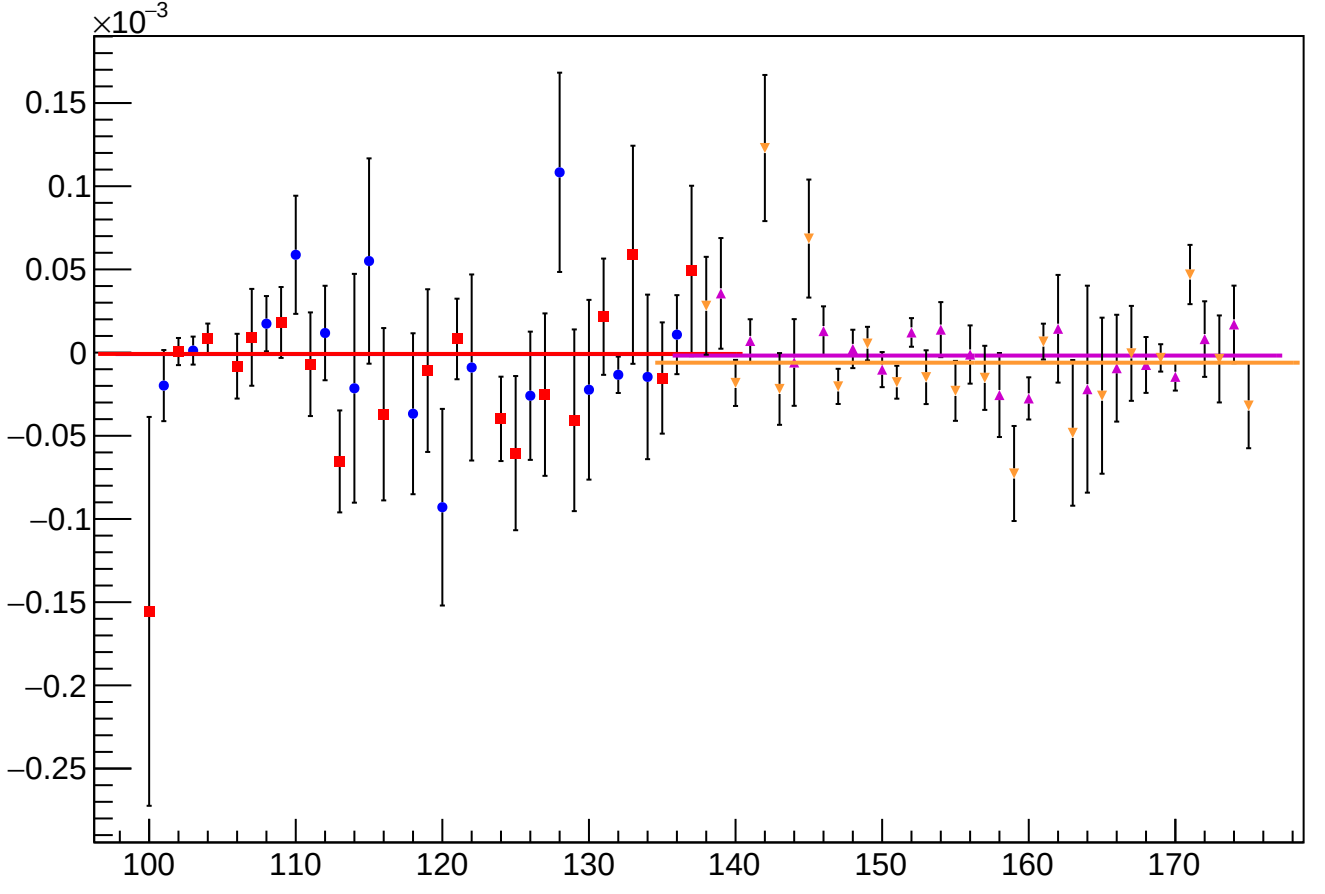
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 556.624+/-0.106 χ^2/NDF:1537318.2/17

+ sign 410.903+/-0.067 χ^2/NDF: 7531977.0/35

All: 398.528+/-0.047 χ^2/NDF: 15085895.1/72

- sign 386.902+/-0.065 χ^2/NDF: 7488383.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.6/19

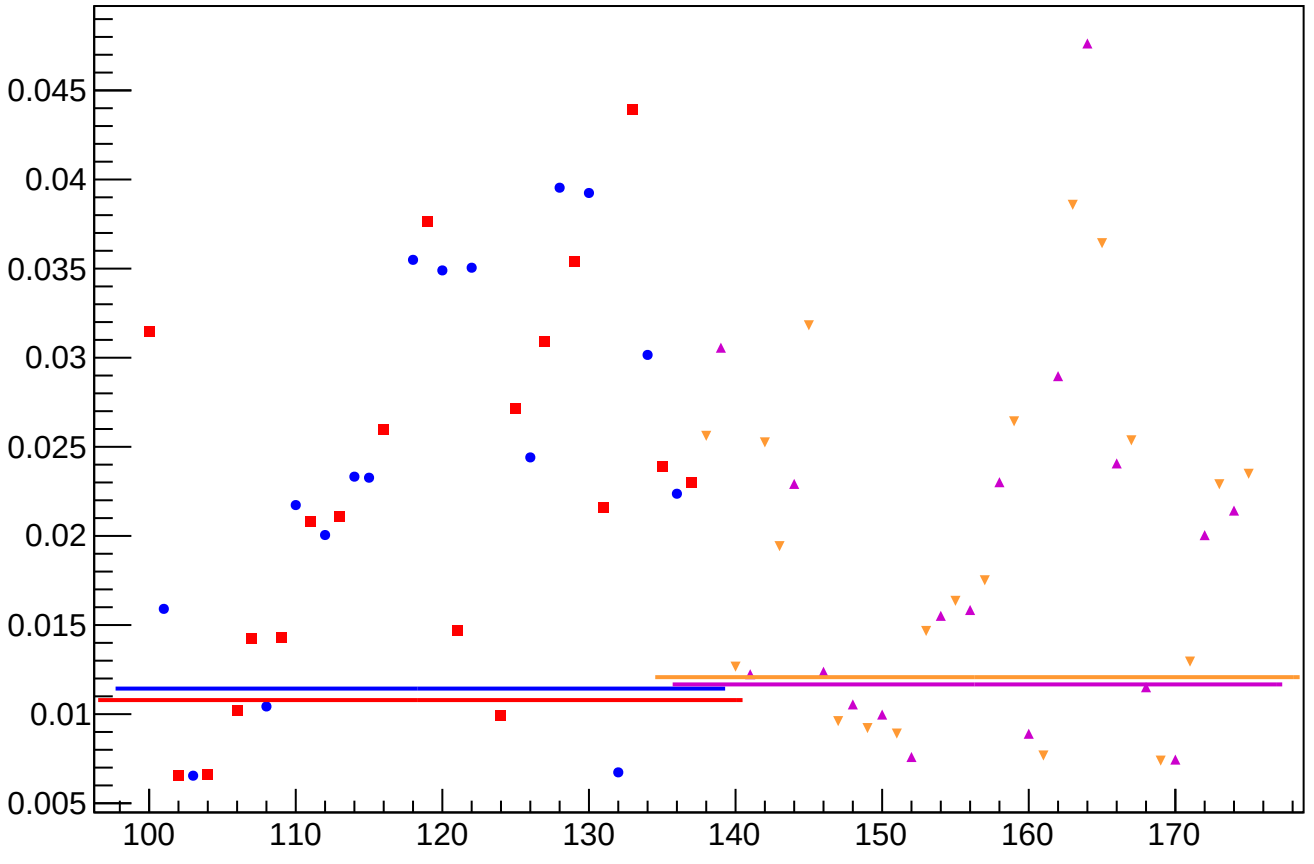
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:15.7/17

+ sign -0.000+/-0.000 χ^2/NDF: 54.8/35

All: -0.000+/-0.000 χ^2/NDF: 87.2/72

- sign -0.000+/-0.000 χ^2/NDF: 31.9/36



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:6193558.3/19

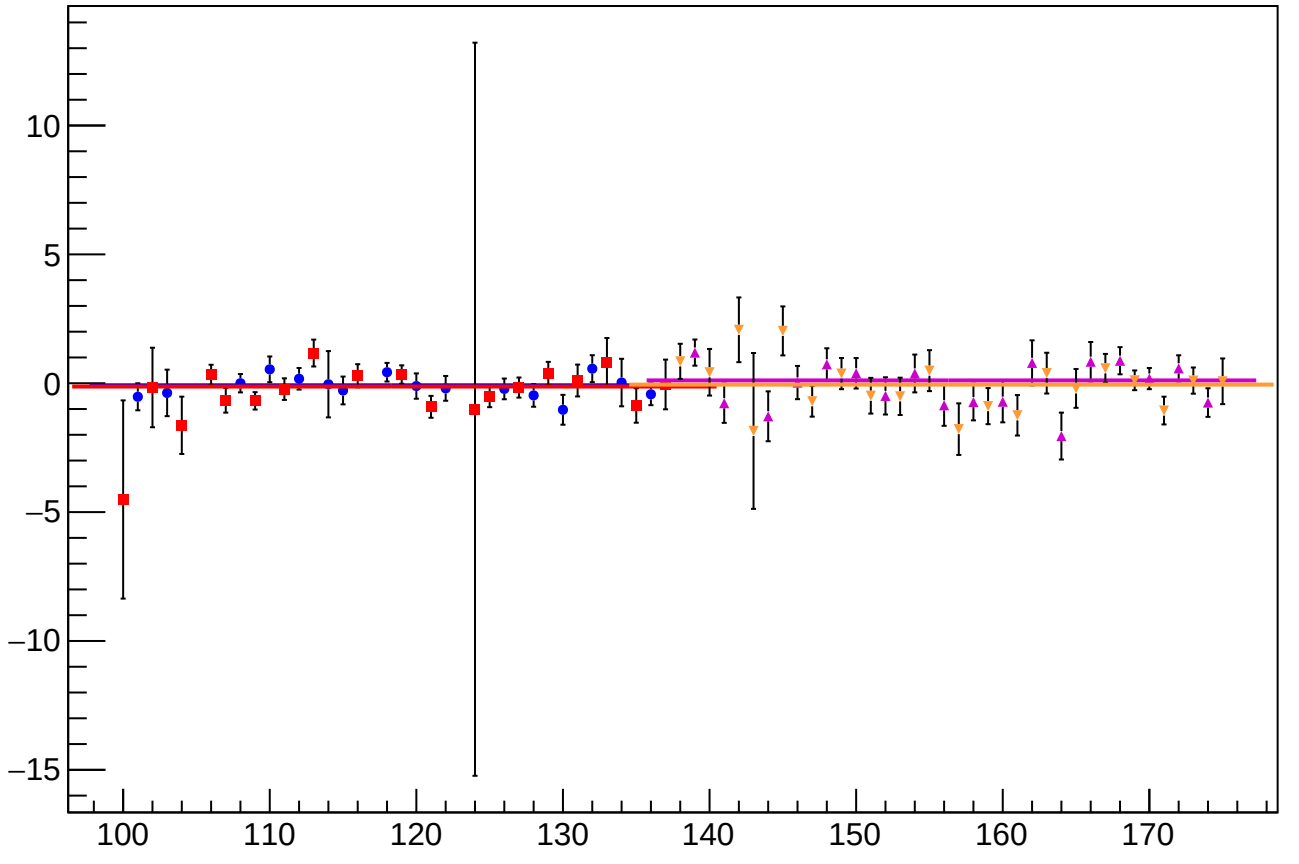
Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:4945315.8/17

+ sign 0.012+/-0.000 χ^2/NDF: 10913740.3/35

All: 0.012+/-0.000 χ^2/NDF: 20407983.2/72

- sign 0.011+/-0.000 χ^2/NDF: 9462303.7/36



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.053+/-0.153 χ^2/NDF:25.1/19

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

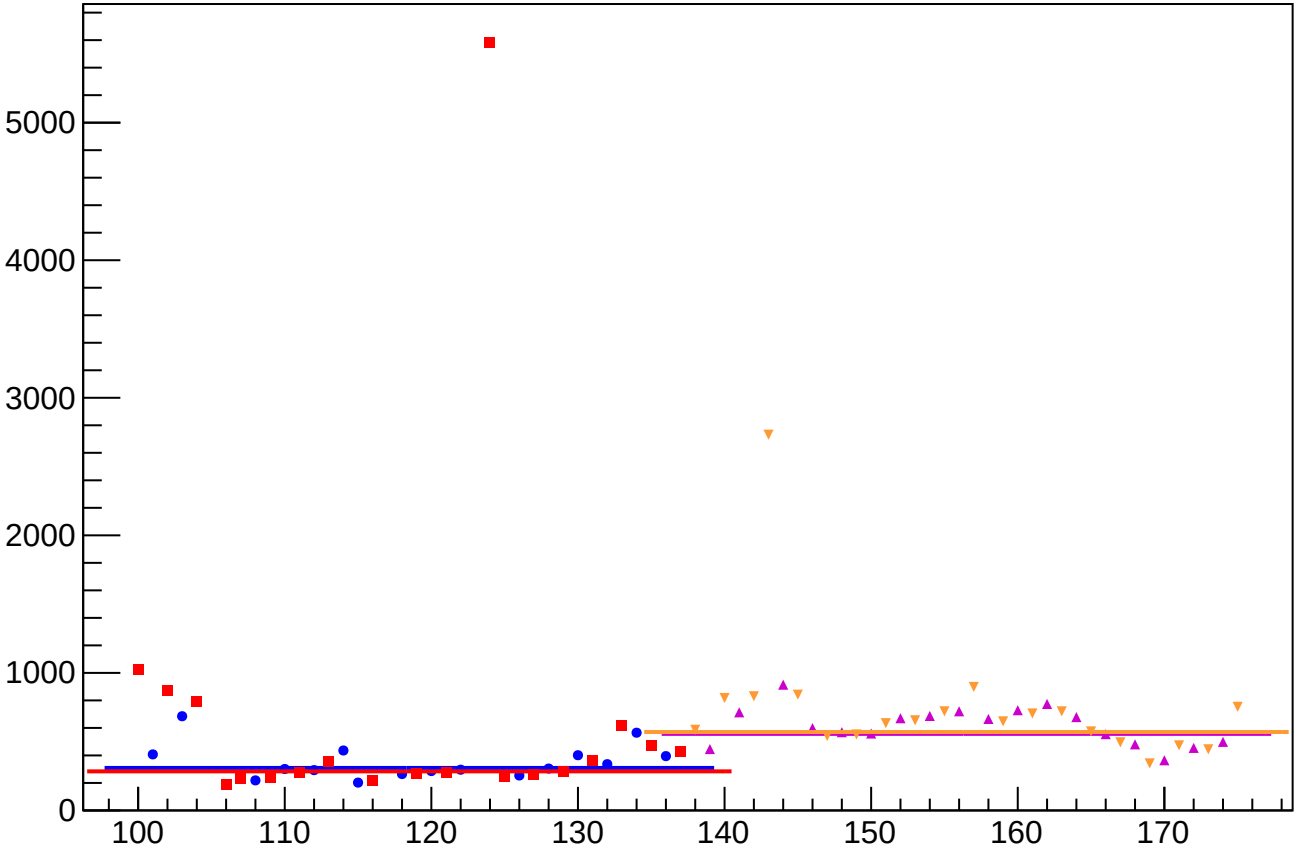
Left In: 0.110+/-0.150 χ^2/NDF:26.4/17

+ sign -0.070+/-0.095 χ^2/NDF: 35.9/35

All: -0.053+/-0.066 χ^2/NDF: 89.2/72

- sign -0.038+/-0.092 χ^2/NDF: 53.3/36

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 570.357+/-0.108 χ^2/NDF:2935484.9/19

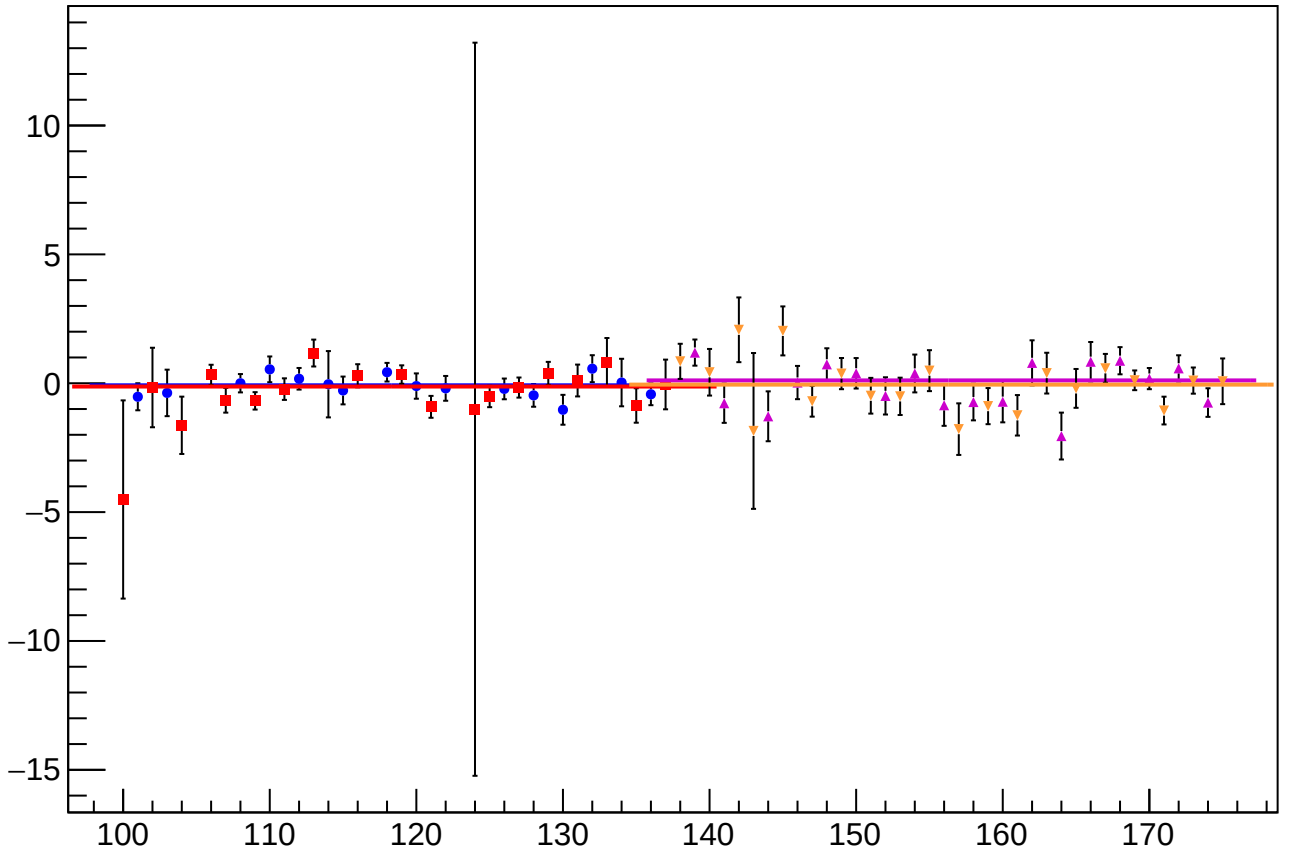
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 556.626+/-0.106 χ^2/NDF:1537404.8/17

+ sign 410.901+/-0.067 χ^2/NDF: 7532109.8/35

All: 398.527+/-0.047 χ^2/NDF: 15086165.0/72

- sign 386.902+/-0.065 χ^2/NDF: 7488524.0/36



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.053+/-0.153 χ^2/NDF:25.1/19

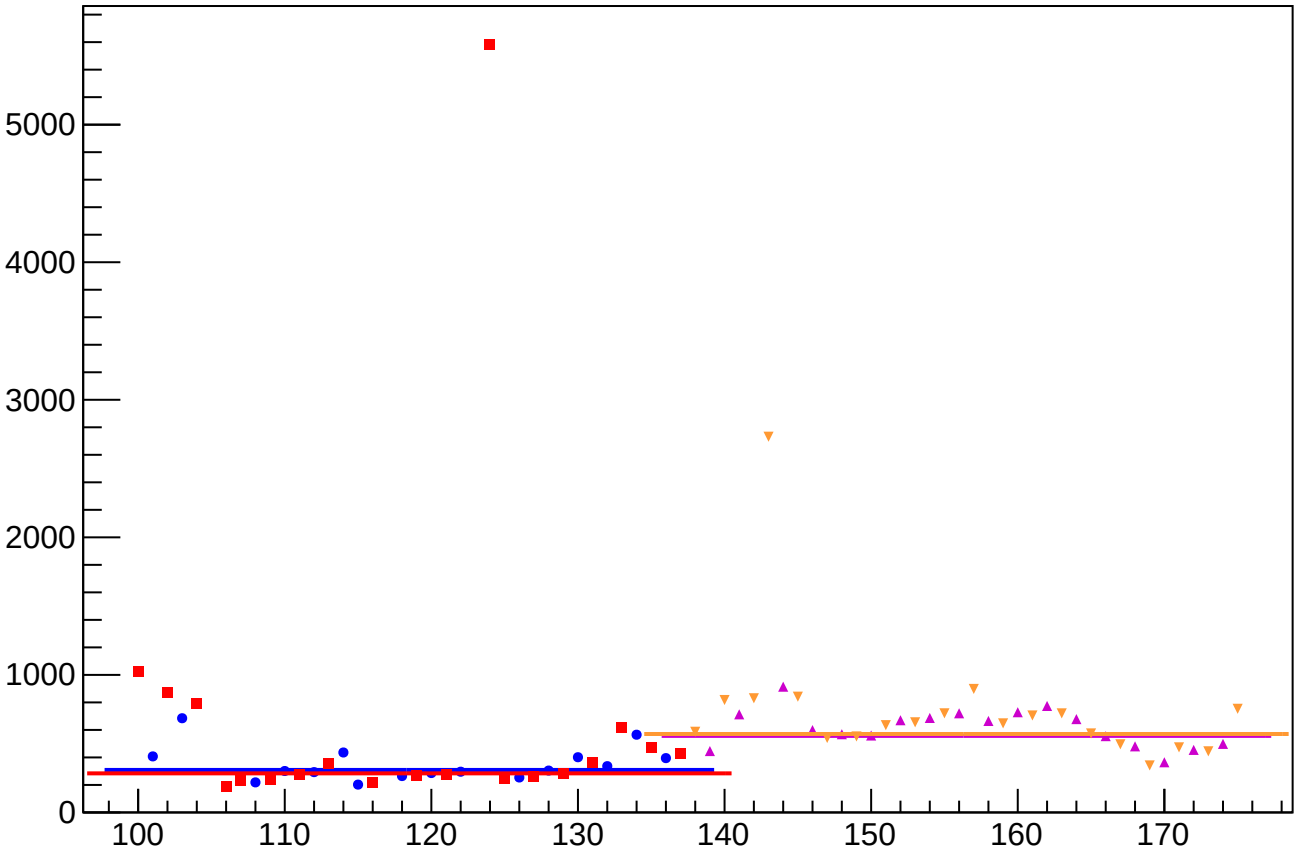
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.110+/-0.150 χ^2/NDF:26.4/17

+ sign -0.070+/-0.095 χ^2/NDF: 35.9/35

All: -0.053+/-0.066 χ^2/NDF: 89.2/72

- sign -0.038+/-0.092 χ^2/NDF: 53.3/36



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 570.357+/-0.108 χ^2/NDF:2935484.9/19

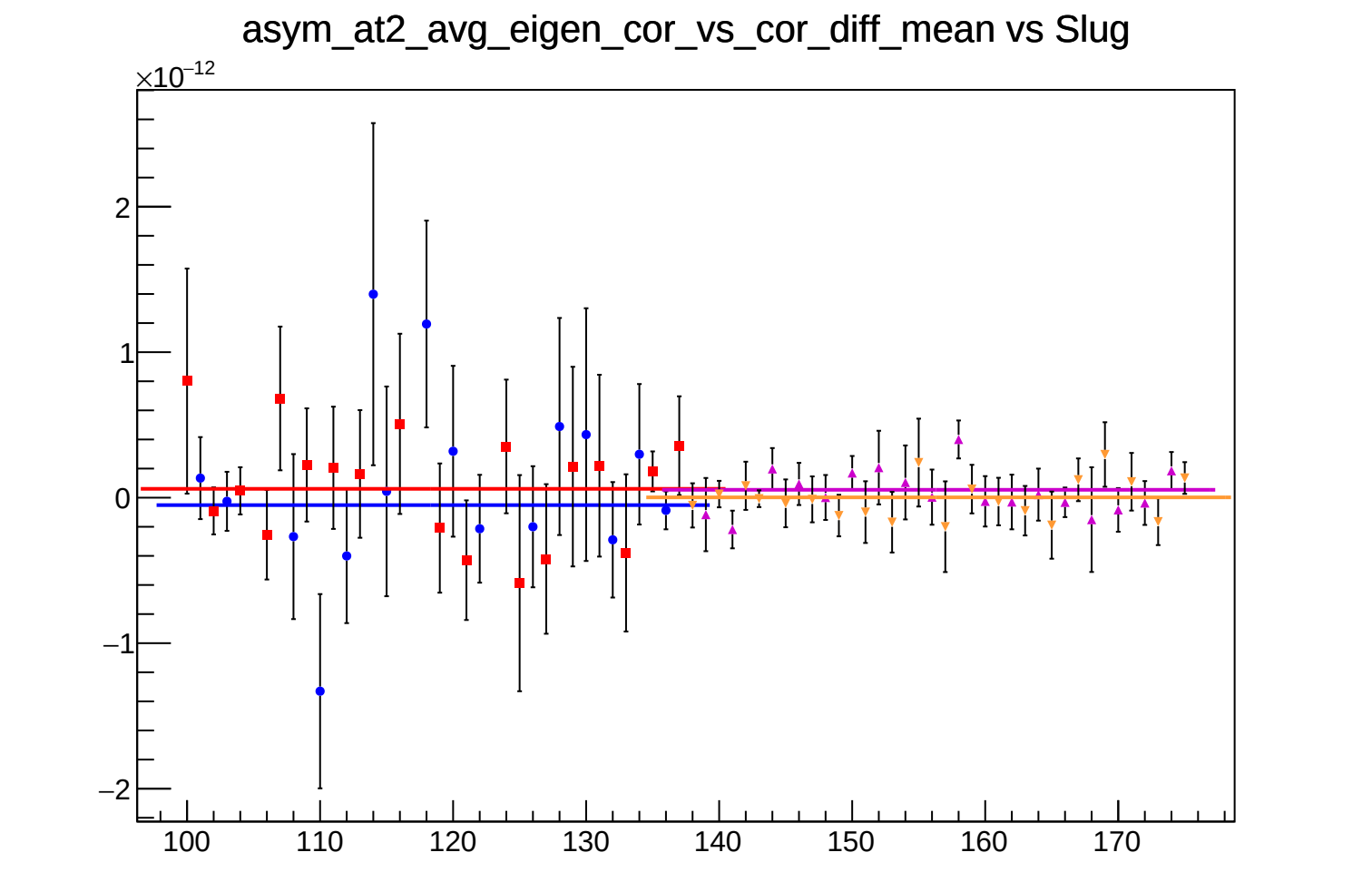
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 556.626+/-0.106 χ^2/NDF:1537404.8/17

+ sign 410.901+/-0.067 χ^2/NDF: 7532109.8/35

All: 398.527+/-0.047 χ^2/NDF: 15086165.0/72

- sign 386.902+/-0.065 χ^2/NDF: 7488524.0/36



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/19

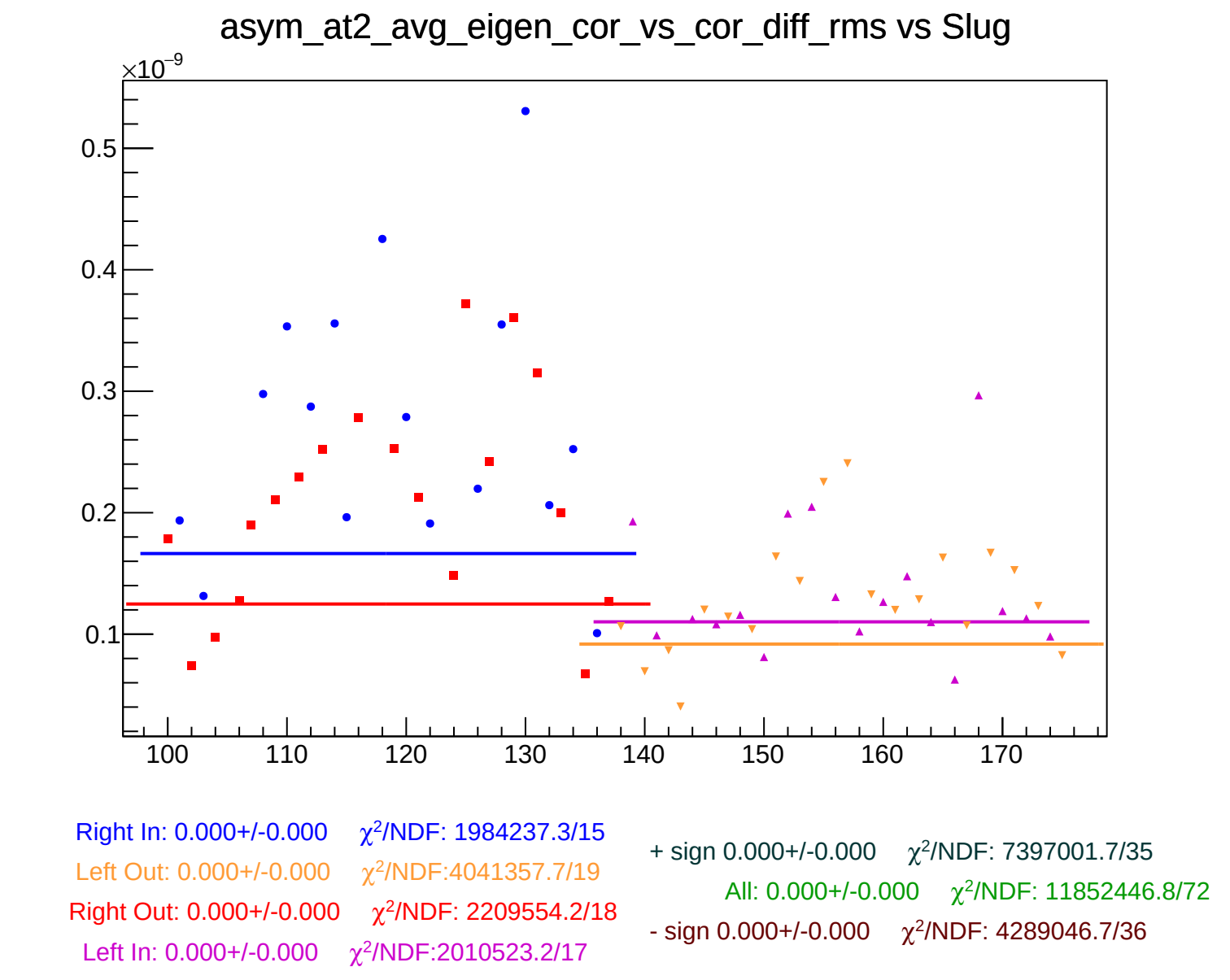
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/17

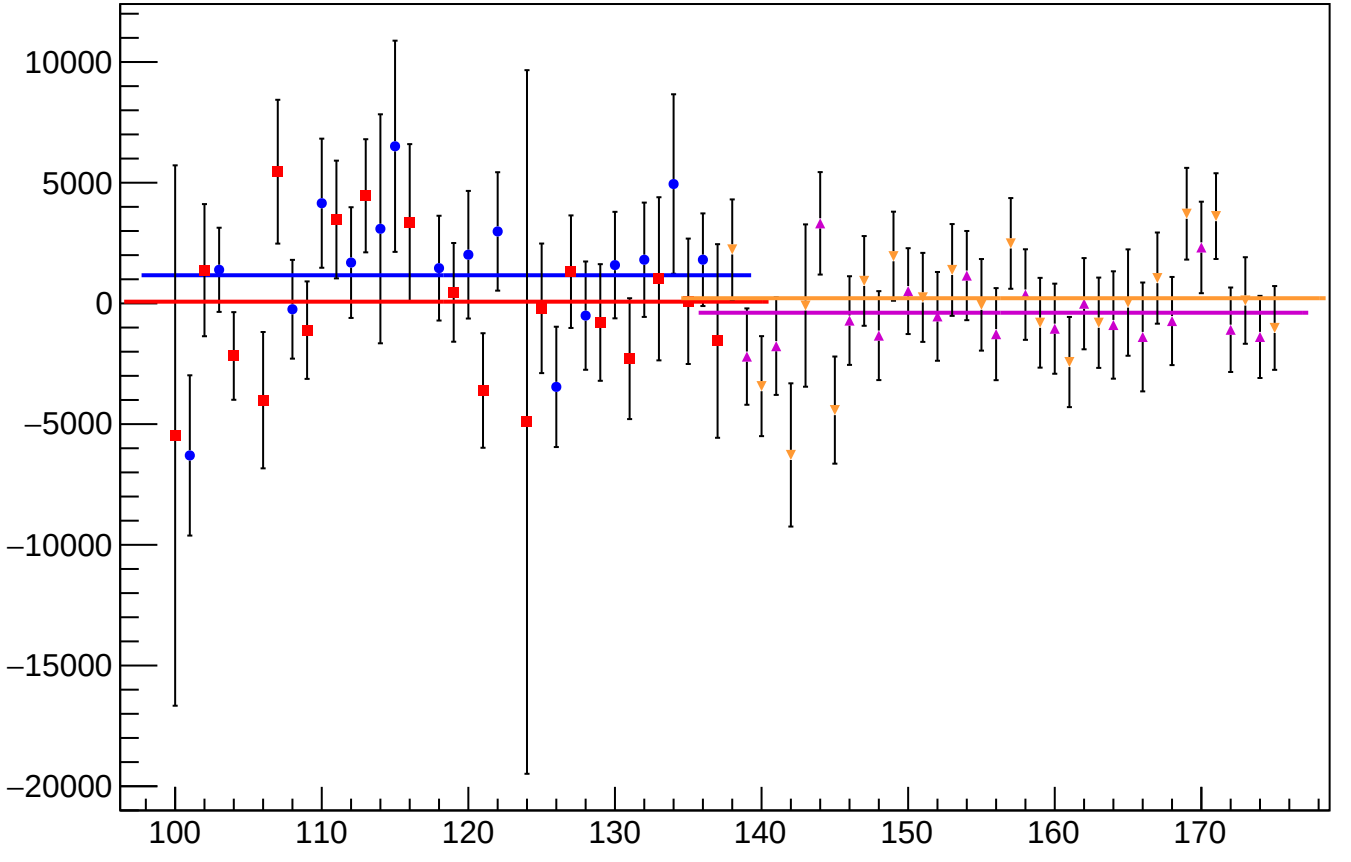
+ sign -0.000+/-0.000 χ^2/NDF: 22.0/35

All: 0.000+/-0.000 χ^2/NDF: 53.6/72

- sign 0.000+/-0.000 χ^2/NDF: 29.7/36


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1984237.3/15
Left Out: 0.000+/-0.000 χ²/NDF:4041357.7/19
Right Out: 0.000+/-0.000 χ²/NDF: 2209554.2/18
Left In: 0.000+/-0.000 χ²/NDF:2010523.2/17
+ sign 0.000+/-0.000 χ²/NDF: 7397001.7/35
All: 0.000+/-0.000 χ²/NDF: 11852446.8/72
- sign 0.000+/-0.000 χ²/NDF: 4289046.7/36

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 215.477+/-439.717 χ^2/NDF:26.5/19

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

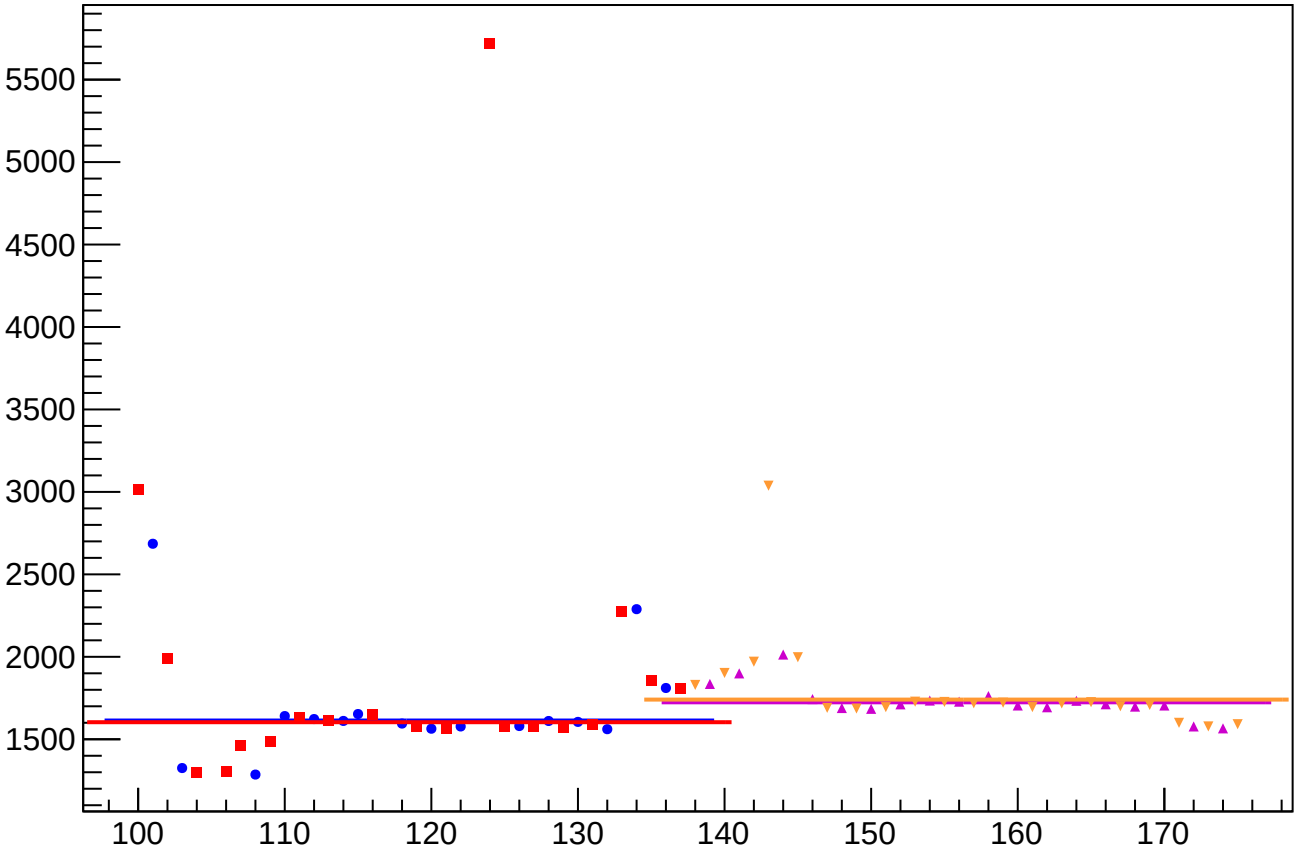
Left In: -386.054+/-447.644 χ^2/NDF:9.0/17

+ sign 541.377+/-356.536 χ^2/NDF: 42.5/35

All: 162.175+/-253.152 χ^2/NDF: 72.4/72

- sign -223.370+/-359.505 χ^2/NDF: 27.6/36

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1740.617+/-0.311 χ^2/NDF:404348.7/19

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

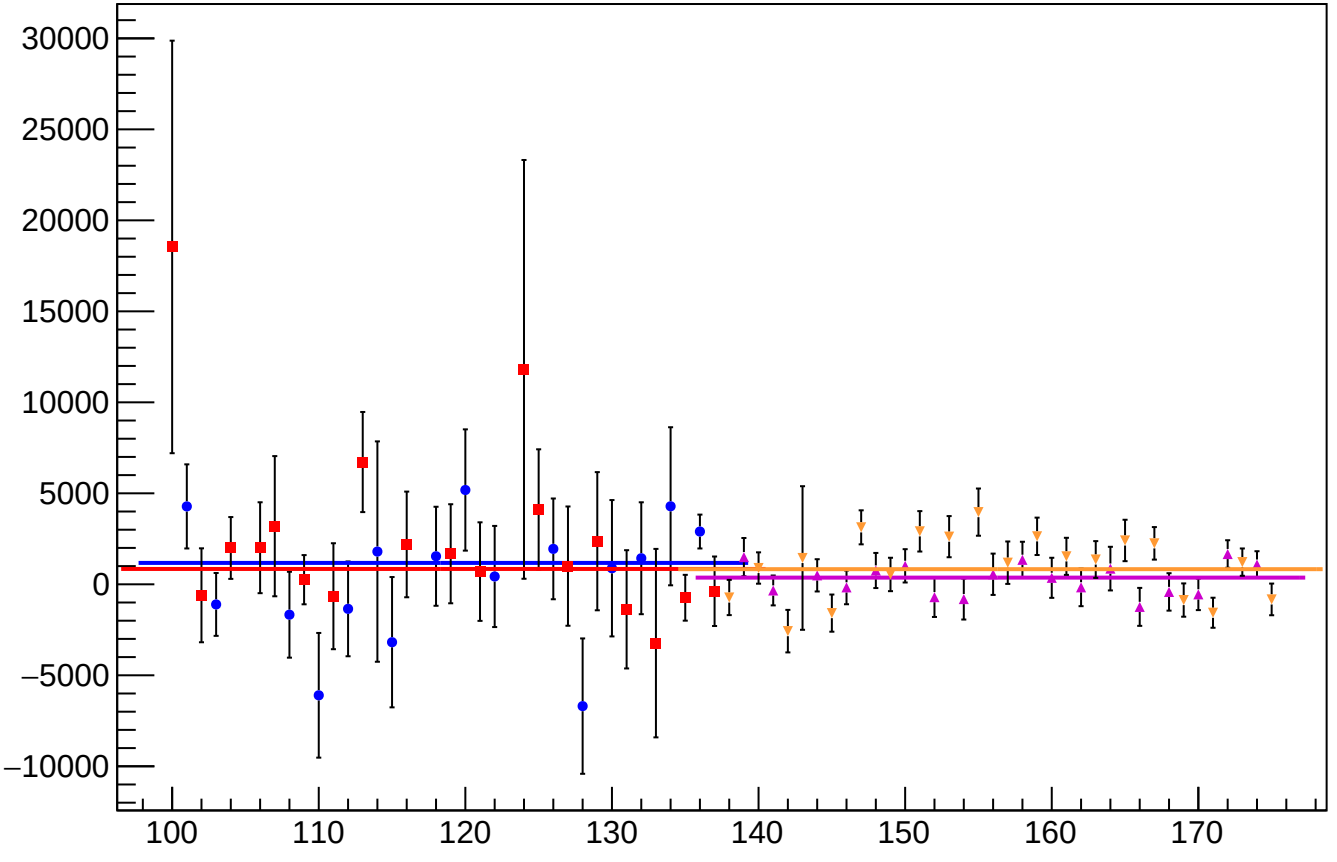
Left In: 1724.094+/-0.317 χ^2/NDF:94124.0/17

+ sign 1697.132+/-0.252 χ^2/NDF: 866136.6/35

All: 1689.266+/-0.179 χ^2/NDF: 1439579.7/72

- sign 1681.268+/-0.254 χ^2/NDF: 571479.7/36

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 831.762+/-223.062 χ^2/NDF:58.9/19

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

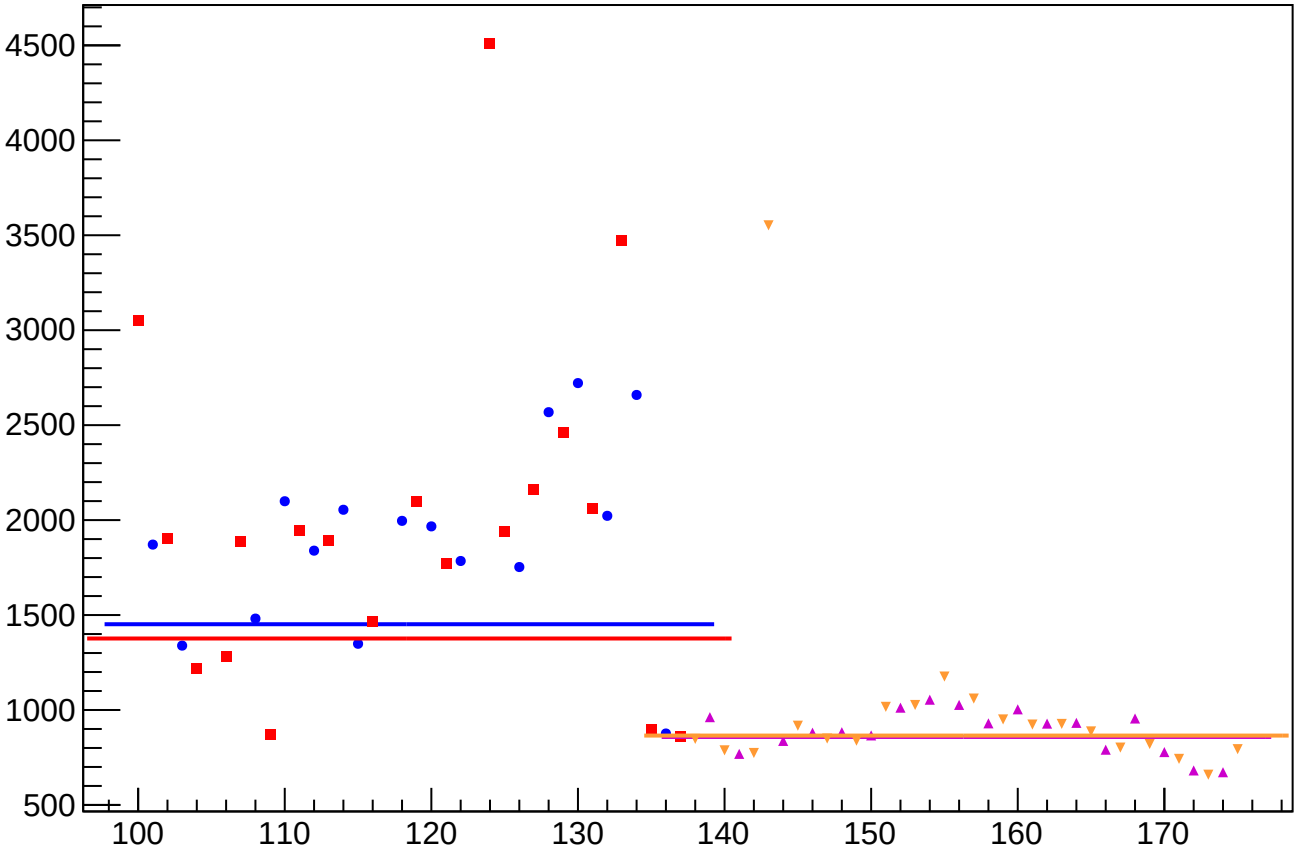
Left In: 367.249+/-224.962 χ^2/NDF:14.4/17

+ sign 876.175+/-208.152 χ^2/NDF: 81.1/35

All: 655.579+/-147.349 χ^2/NDF: 112.7/72

- sign 434.000+/-208.615 χ^2/NDF: 29.3/36

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 865.270+/-0.158 χ^2/NDF:1464288.6/19

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

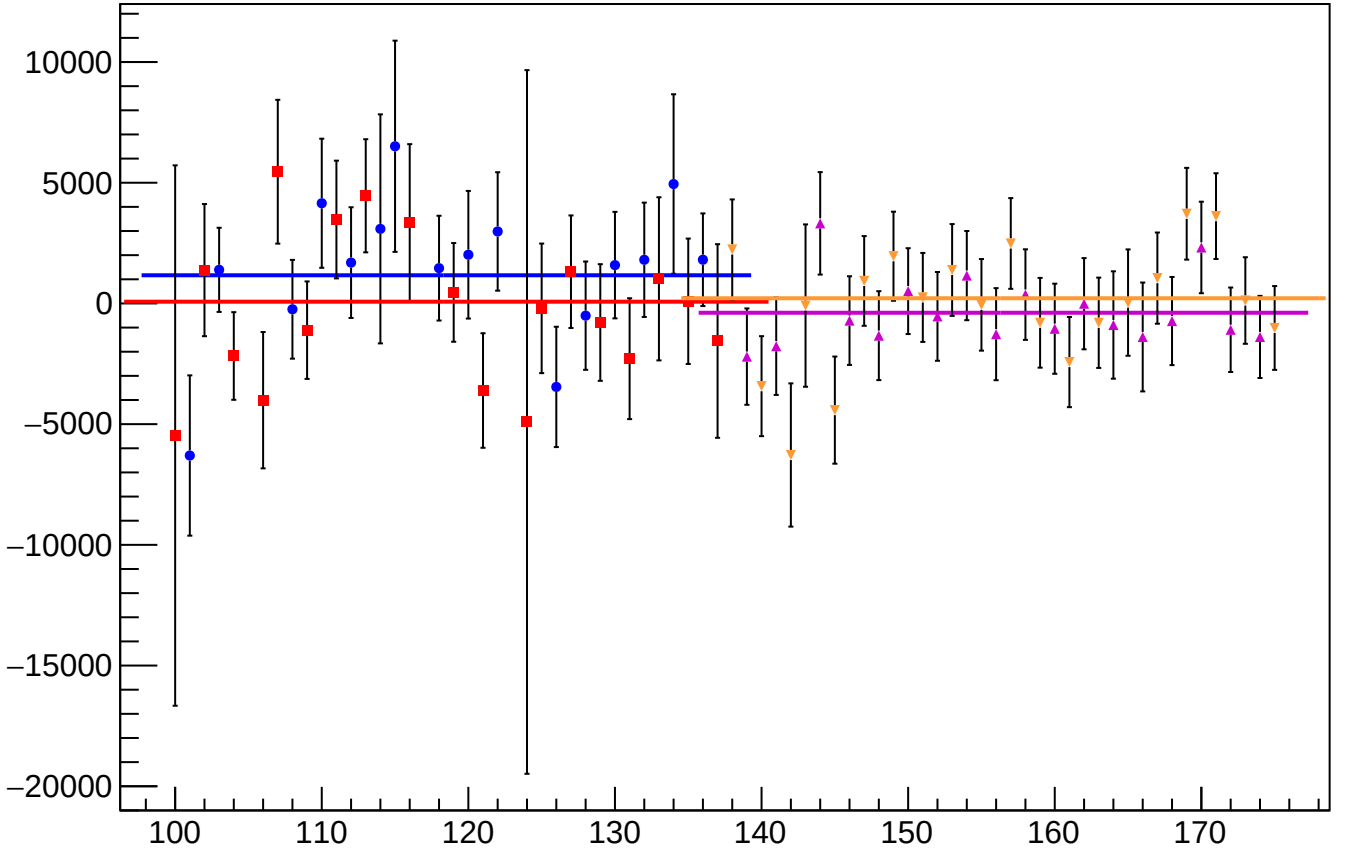
Left In: 857.926+/-0.159 χ^2/NDF:533624.3/17

+ sign 941.036+/-0.147 χ^2/NDF: 5040881.9/35

All: 935.805+/-0.104 χ^2/NDF: 9197345.6/72

- sign 930.551+/-0.148 χ^2/NDF: 4153931.7/36

cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 215.379+/-439.717 χ^2/NDF:26.5/19

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

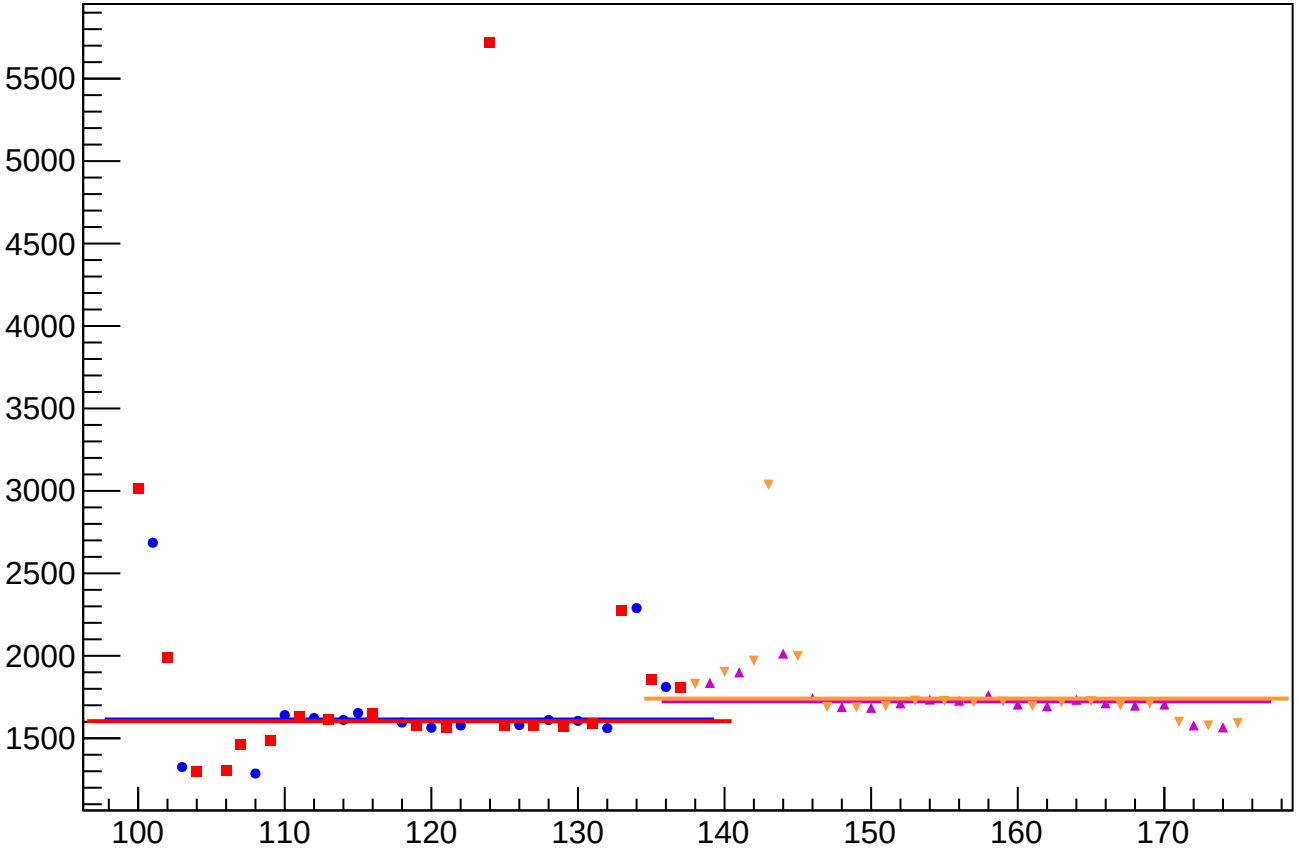
Left In: -385.958+/-447.644 χ^2/NDF:9.0/17

+ sign 541.281+/-356.536 χ^2/NDF: 42.5/35

All: 162.213+/-253.152 χ^2/NDF: 72.4/72

- sign -223.196+/-359.505 χ^2/NDF: 27.6/36

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1740.617+/-0.311 χ^2/NDF:404348.6/19

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

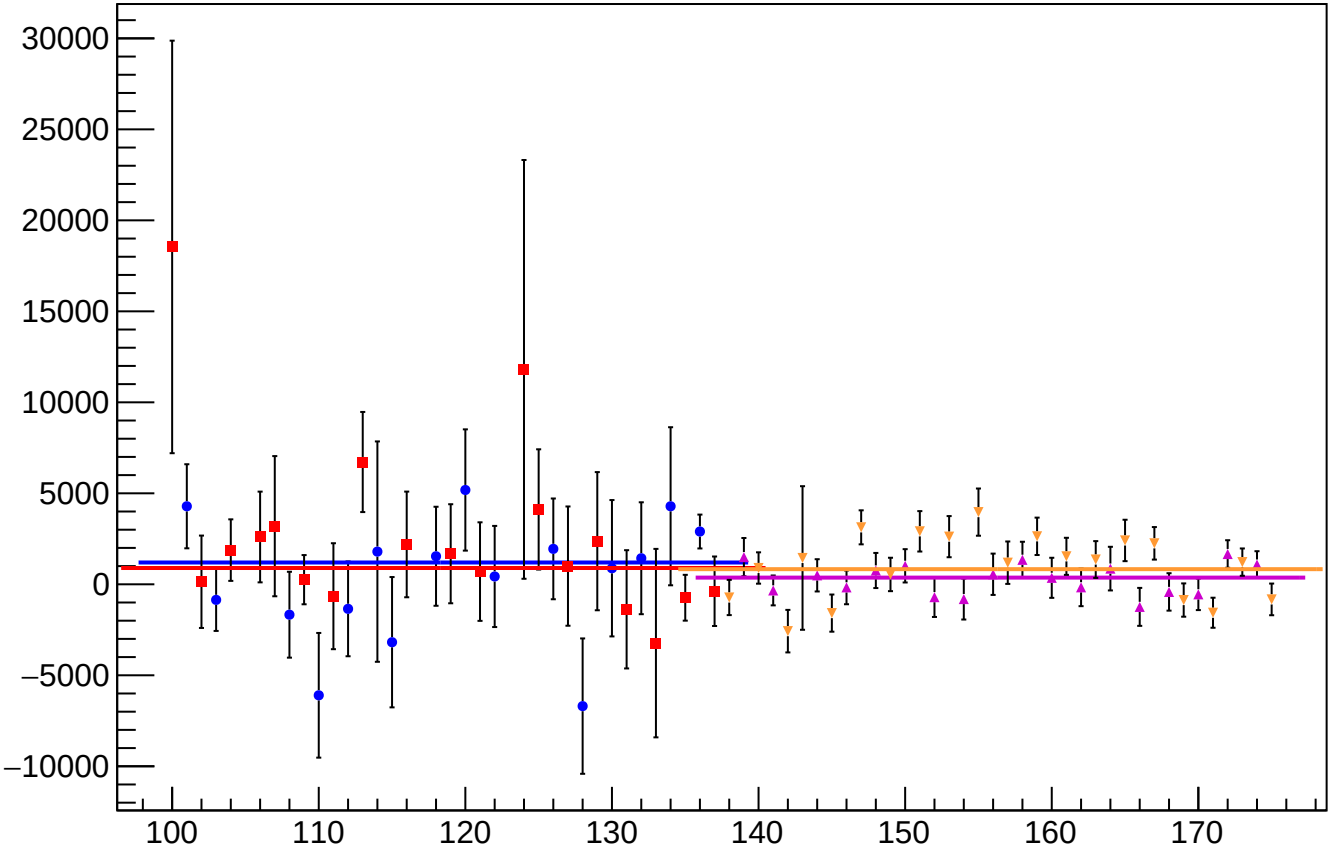
Left In: 1724.094+/-0.317 χ^2/NDF:94124.0/17

+ sign 1697.132+/-0.252 χ^2/NDF: 866136.9/35

All: 1689.266+/-0.179 χ^2/NDF: 1439580.2/72

- sign 1681.268+/-0.254 χ^2/NDF: 571479.8/36

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 831.817+/-223.064 χ^2/NDF:58.8/19

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

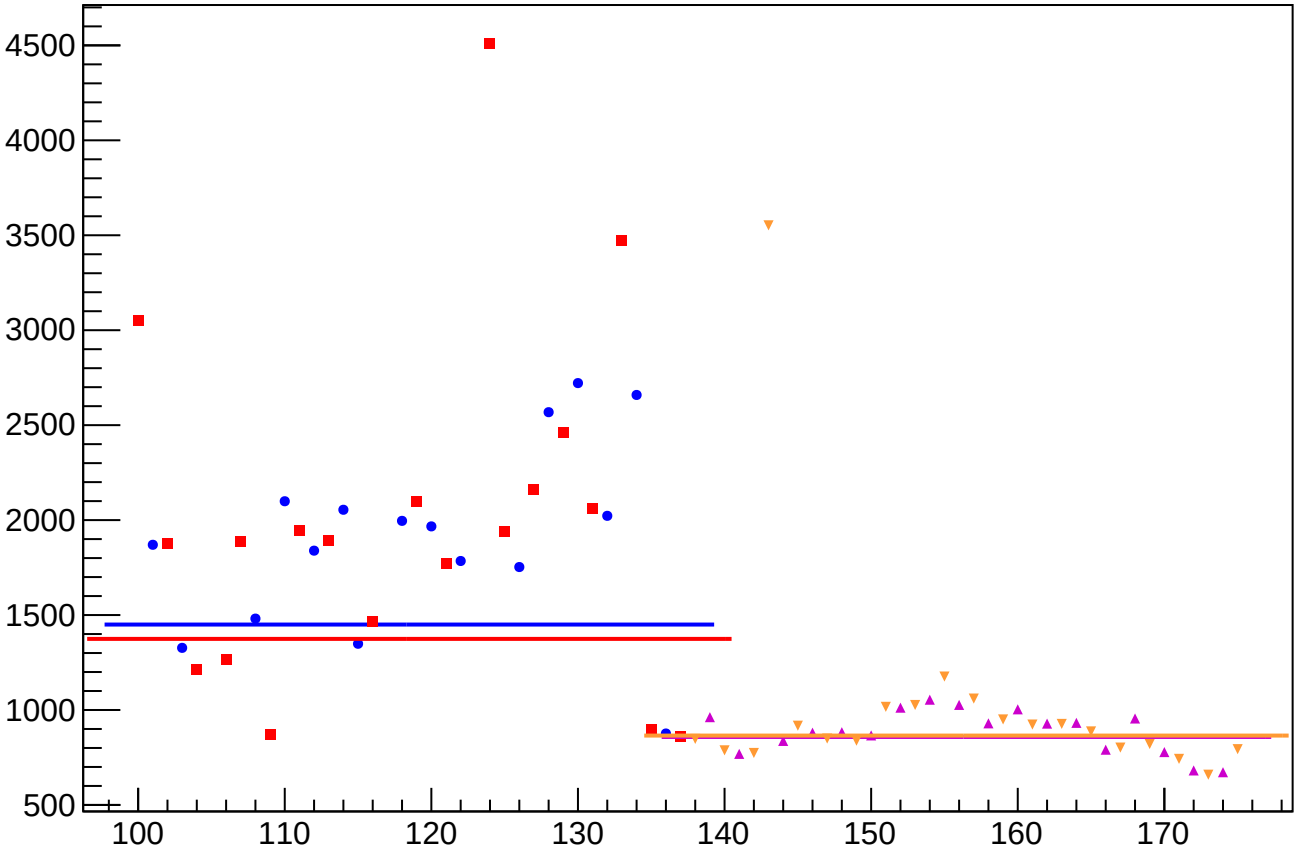
Left In: 367.235+/-224.962 χ^2/NDF:14.4/17

+ sign 879.295+/-208.116 χ^2/NDF: 80.9/35

All: 660.825+/-147.322 χ^2/NDF: 112.4/72

- sign 441.392+/-208.574 χ^2/NDF: 29.4/36

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 865.280+/-0.158 χ^2/NDF:1464218.4/19

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

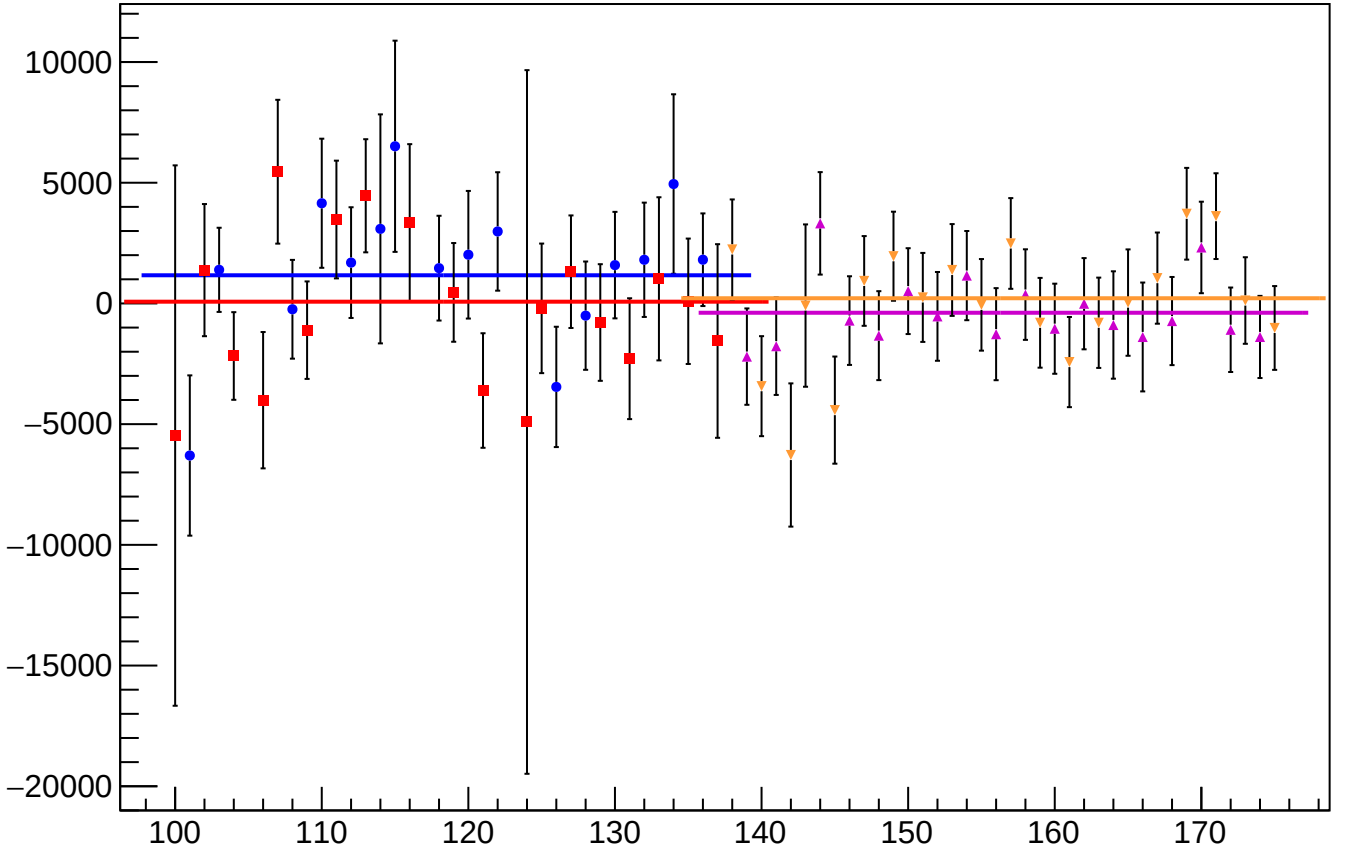
Left In: 857.927+/-0.159 χ^2/NDF:533636.9/17

+ sign 941.015+/-0.147 χ^2/NDF: 5036678.7/35

All: 935.738+/-0.104 χ^2/NDF: 9180723.2/72

- sign 930.439+/-0.147 χ^2/NDF: 4141467.8/36

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 215.379+/-439.717 χ^2/NDF:26.5/19

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

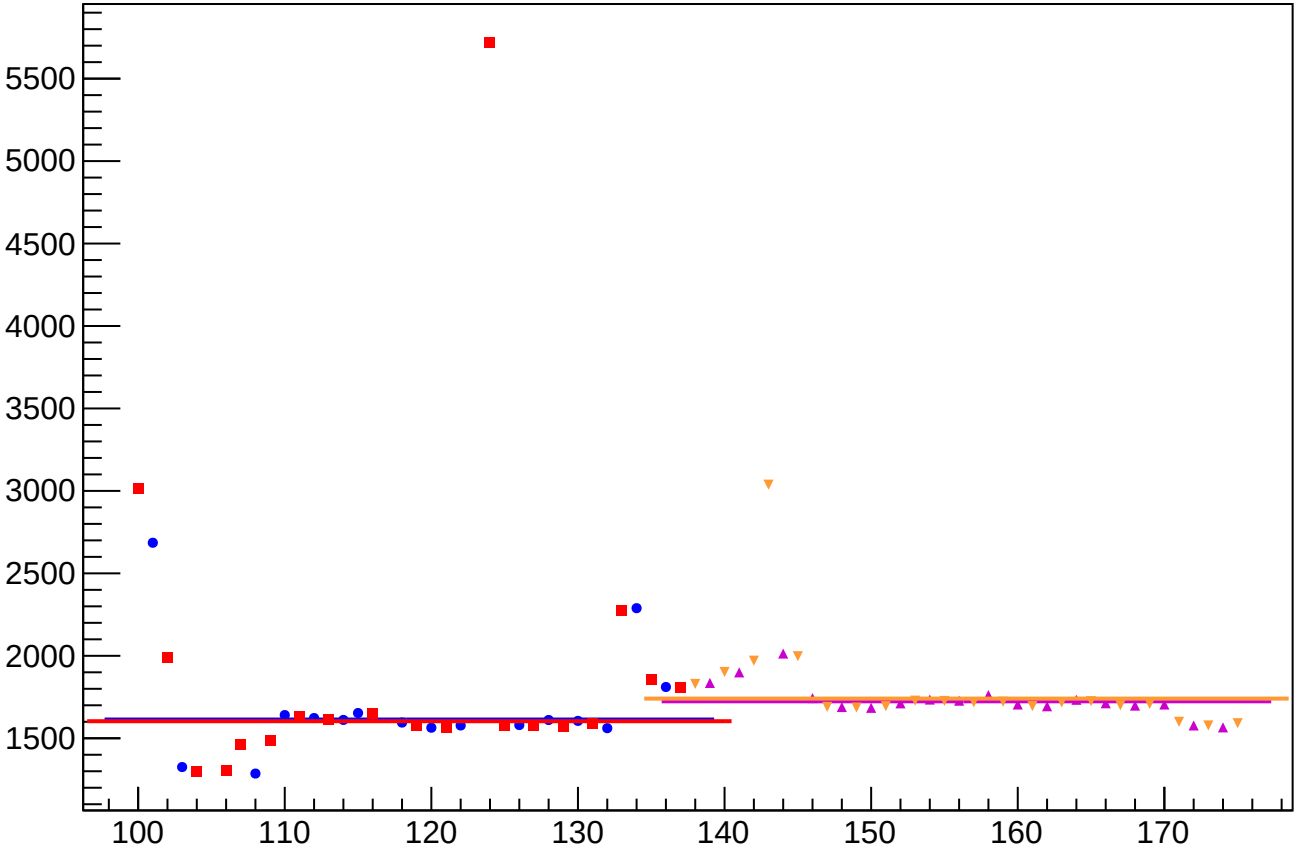
Left In: -385.958+/-447.644 χ^2/NDF:9.0/17

+ sign 541.281+/-356.536 χ^2/NDF: 42.5/35

All: 162.213+/-253.152 χ^2/NDF: 72.4/72

- sign -223.196+/-359.505 χ^2/NDF: 27.6/36

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1740.617+/-0.311 χ^2/NDF:404348.6/19

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

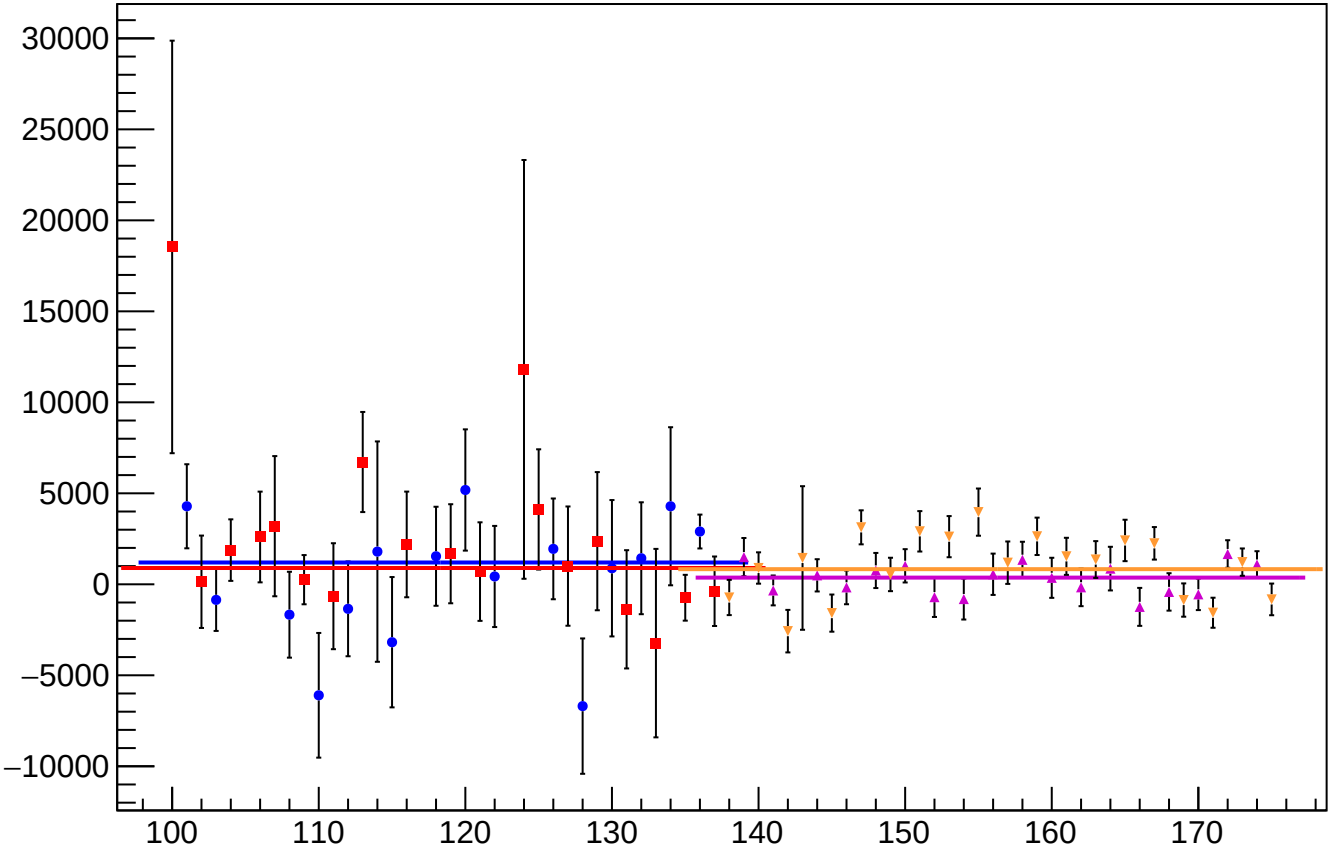
Left In: 1724.094+/-0.317 χ^2/NDF:94124.0/17

+ sign 1697.132+/-0.252 χ^2/NDF: 866136.9/35

All: 1689.266+/-0.179 χ^2/NDF: 1439580.2/72

- sign 1681.268+/-0.254 χ^2/NDF: 571479.8/36

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 831.817+/-223.064 χ^2/NDF:58.8/19

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

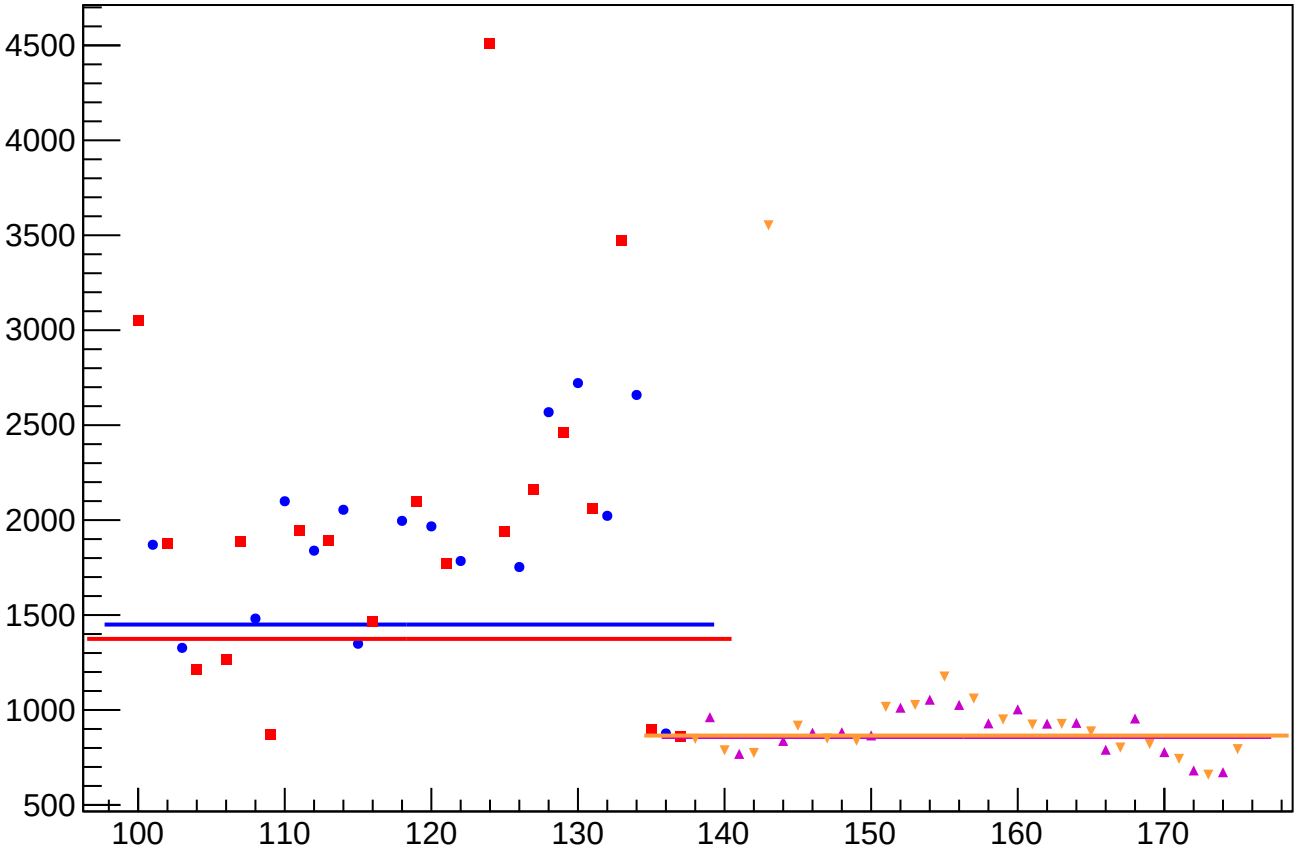
Left In: 367.235+/-224.962 χ^2/NDF:14.4/17

+ sign 879.295+/-208.116 χ^2/NDF: 80.9/35

All: 660.825+/-147.322 χ^2/NDF: 112.4/72

- sign 441.392+/-208.574 χ^2/NDF: 29.4/36

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 865.280+/-0.158 χ^2/NDF:1464218.4/19

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

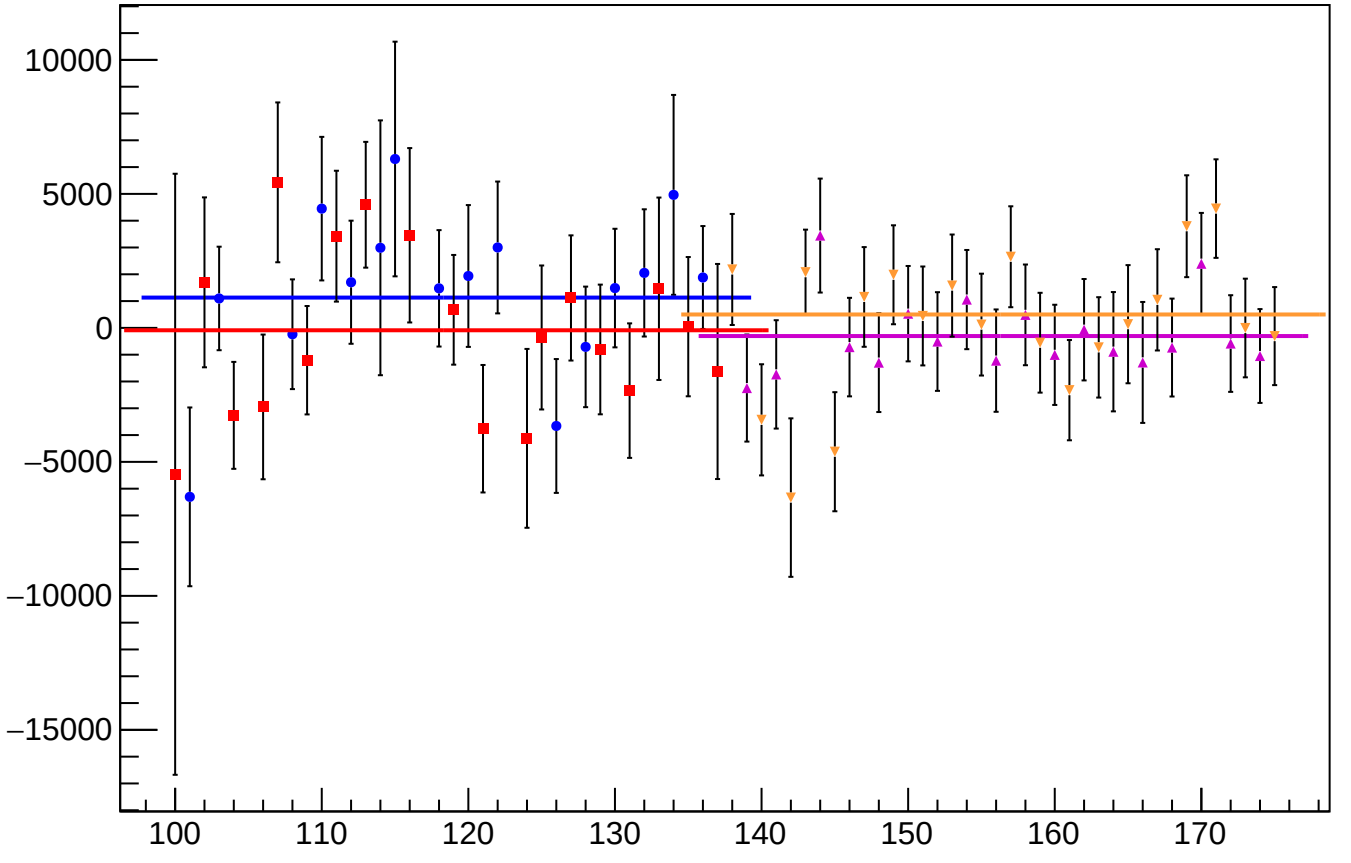
Left In: 857.927+/-0.159 χ^2/NDF:533636.9/17

+ sign 941.015+/-0.147 χ^2/NDF: 5036678.7/35

All: 935.738+/-0.104 χ^2/NDF: 9180723.2/72

- sign 930.439+/-0.147 χ^2/NDF: 4141467.8/36

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 500.078+/-430.298 χ^2/NDF:29.4/19

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

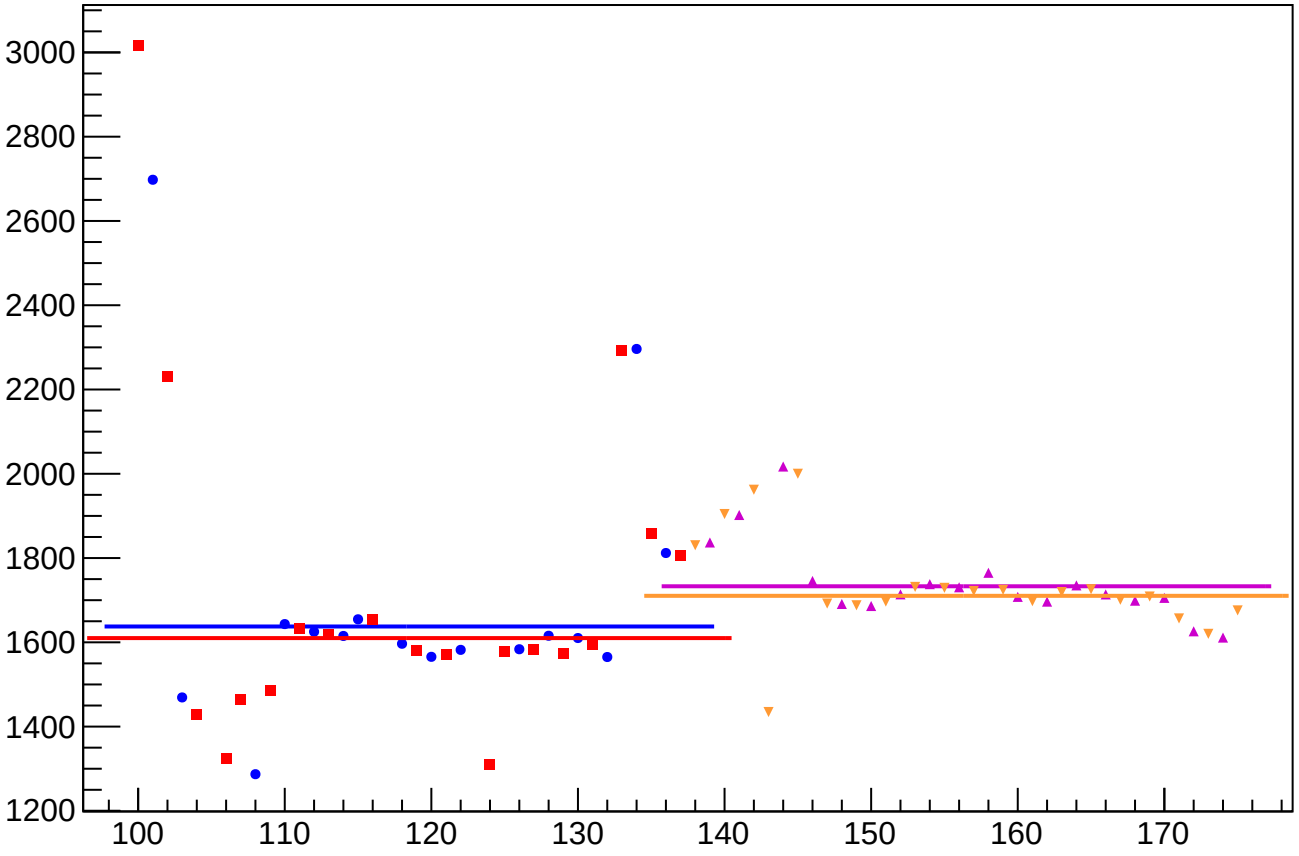
Left In: -304.774+/-449.843 χ^2/NDF:8.8/17

+ sign 706.333+/-352.988 χ^2/NDF: 45.1/35

All: 249.245+/-252.241 χ^2/NDF: 78.0/72

- sign -227.716+/-360.579 χ^2/NDF: 29.5/36

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1710.359+/-0.304 χ^2/NDF:141795.4/19

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

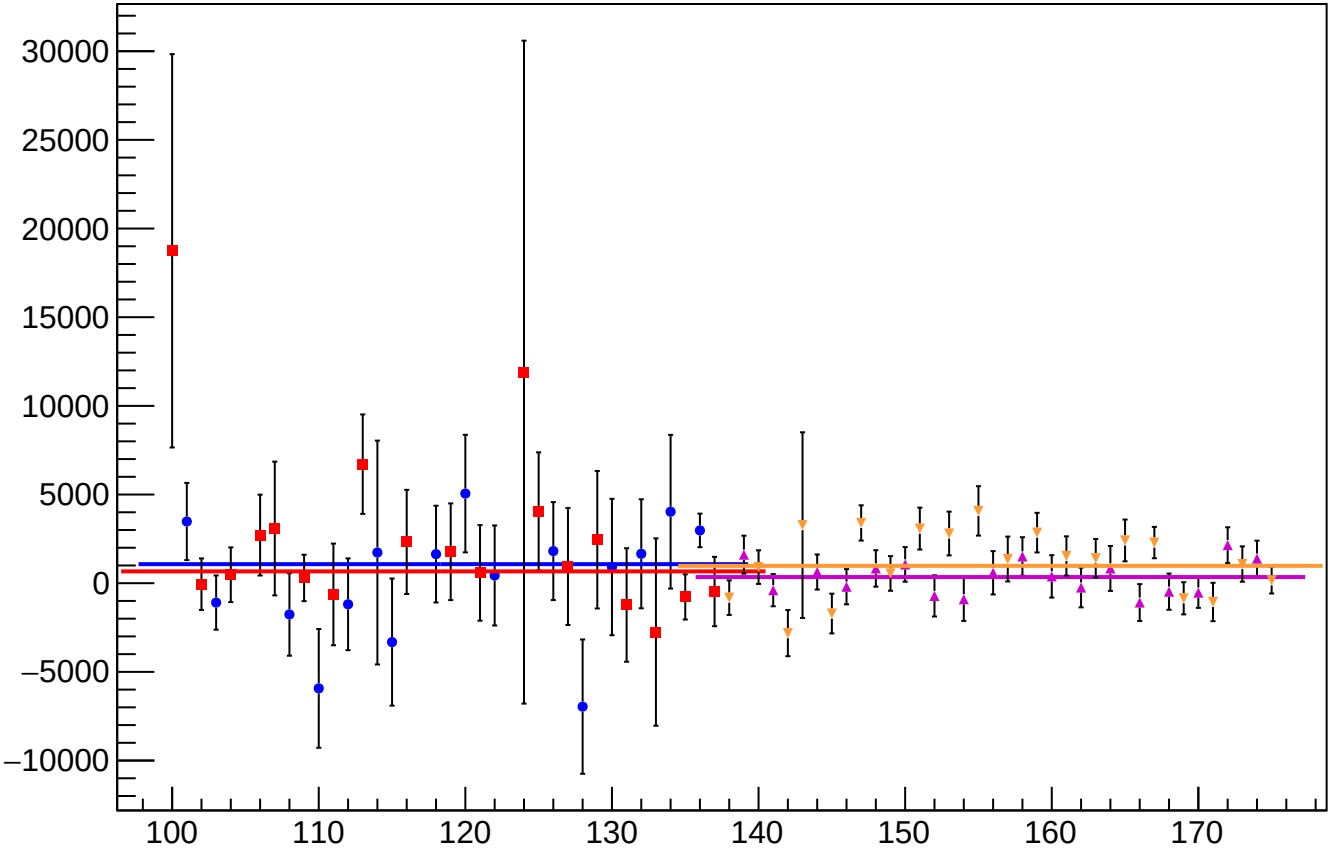
Left In: 1733.020+/-0.318 χ^2/NDF:77552.5/17

\+ sign 1686.554+/-0.250 χ^2/NDF: 521927.6/35

All: 1687.779+/-0.178 χ^2/NDF: 933776.5/72

\- sign 1689.057+/-0.255 χ^2/NDF: 411799.6/36

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 978.529+/-239.003 χ^2/NDF:50.1/19

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

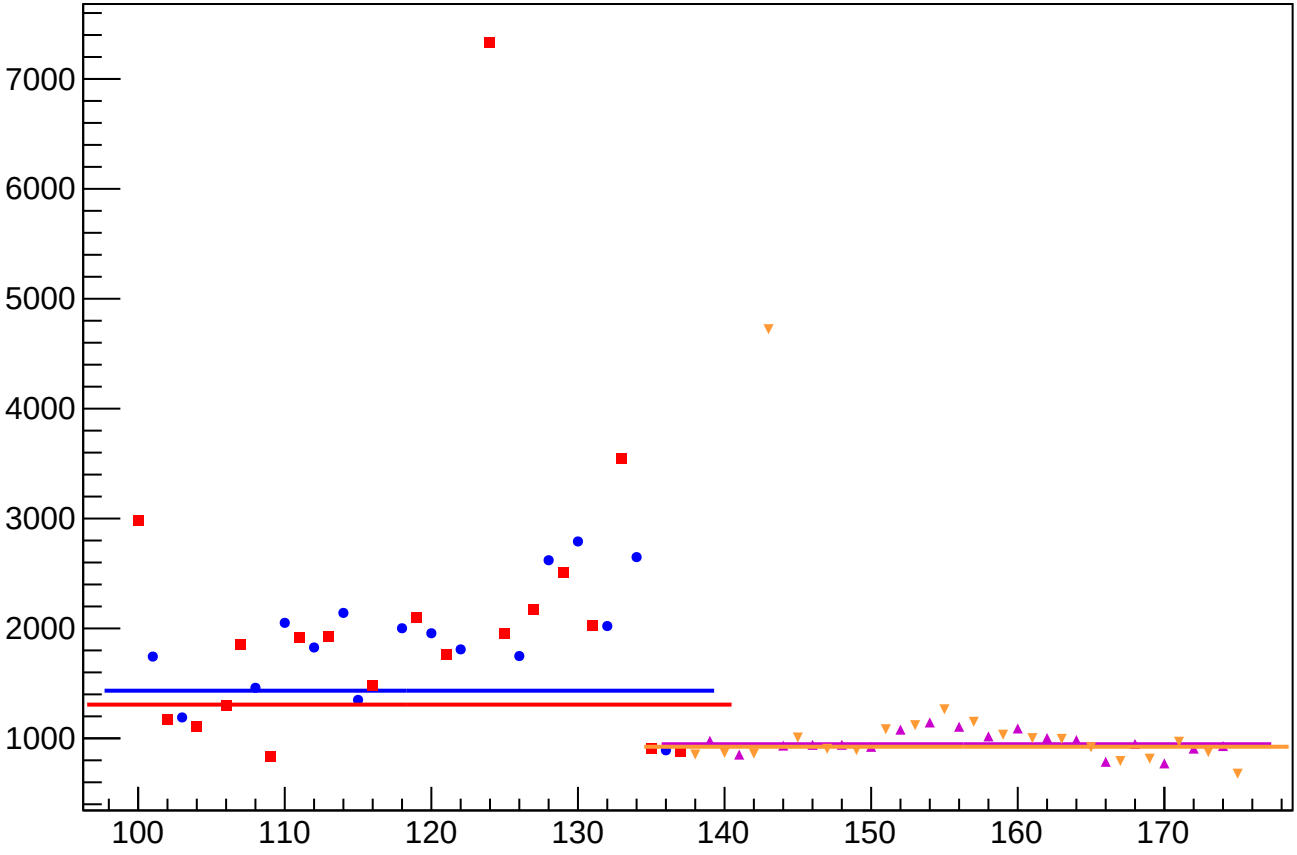
Left In: 347.314+/-247.133 χ^2/NDF:14.5/17

+ sign 992.677+/-220.504 χ^2/NDF: 72.1/35

All: 703.134+/-156.962 χ^2/NDF: 104.0/72

- sign 405.721+/-223.481 χ^2/NDF: 28.4/36

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 923.402+/-0.169 χ^2/NDF:1694329.3/19

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

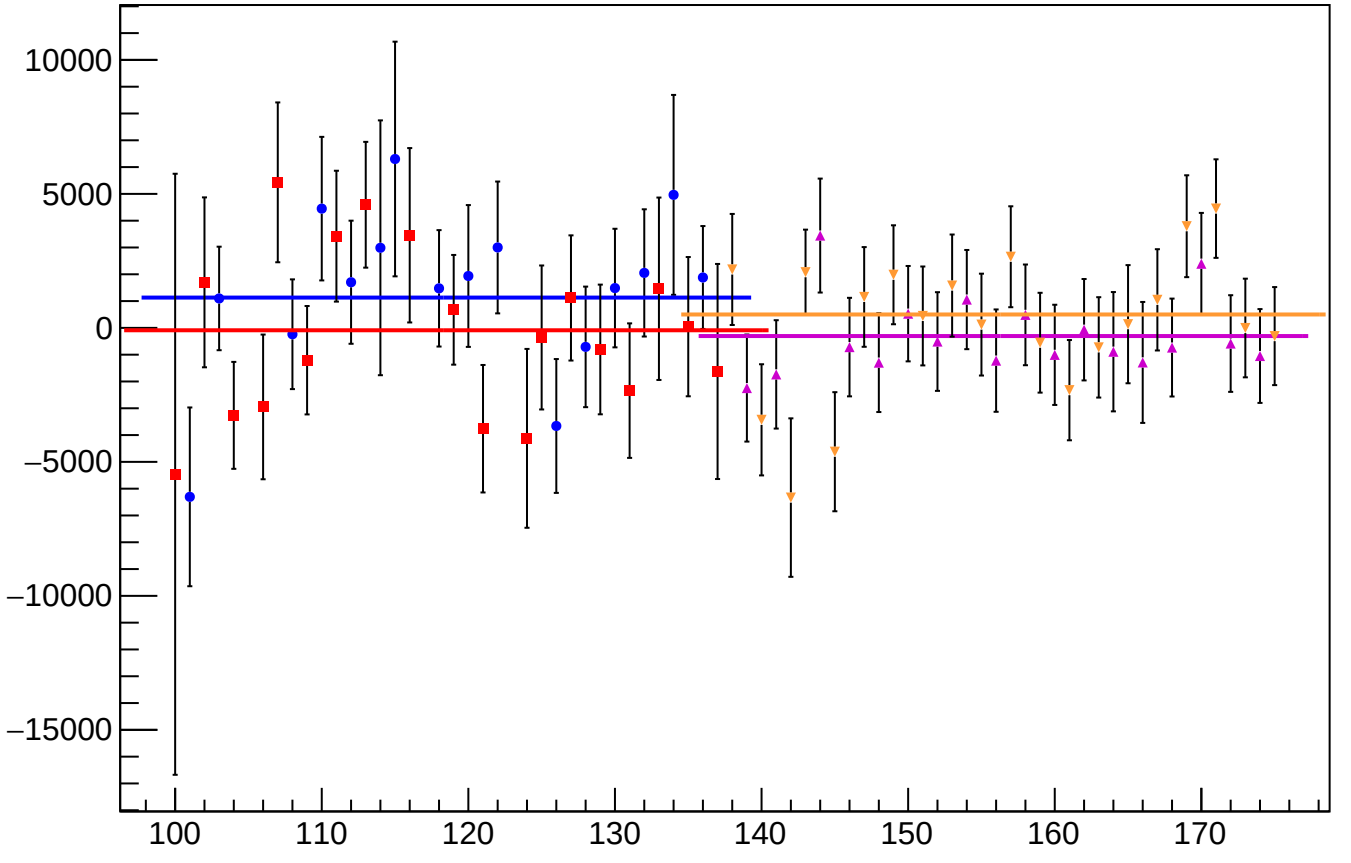
Left In: 946.295+/-0.175 χ^2/NDF:315372.4/17

+ sign 999.306+/-0.156 χ^2/NDF: 4813405.9/35

All: 1005.574+/-0.111 χ^2/NDF: 8091911.1/72

- sign 1012.012+/-0.158 χ^2/NDF: 3275229.7/36

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 500.073+/-430.298 χ^2/NDF:29.4/19

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

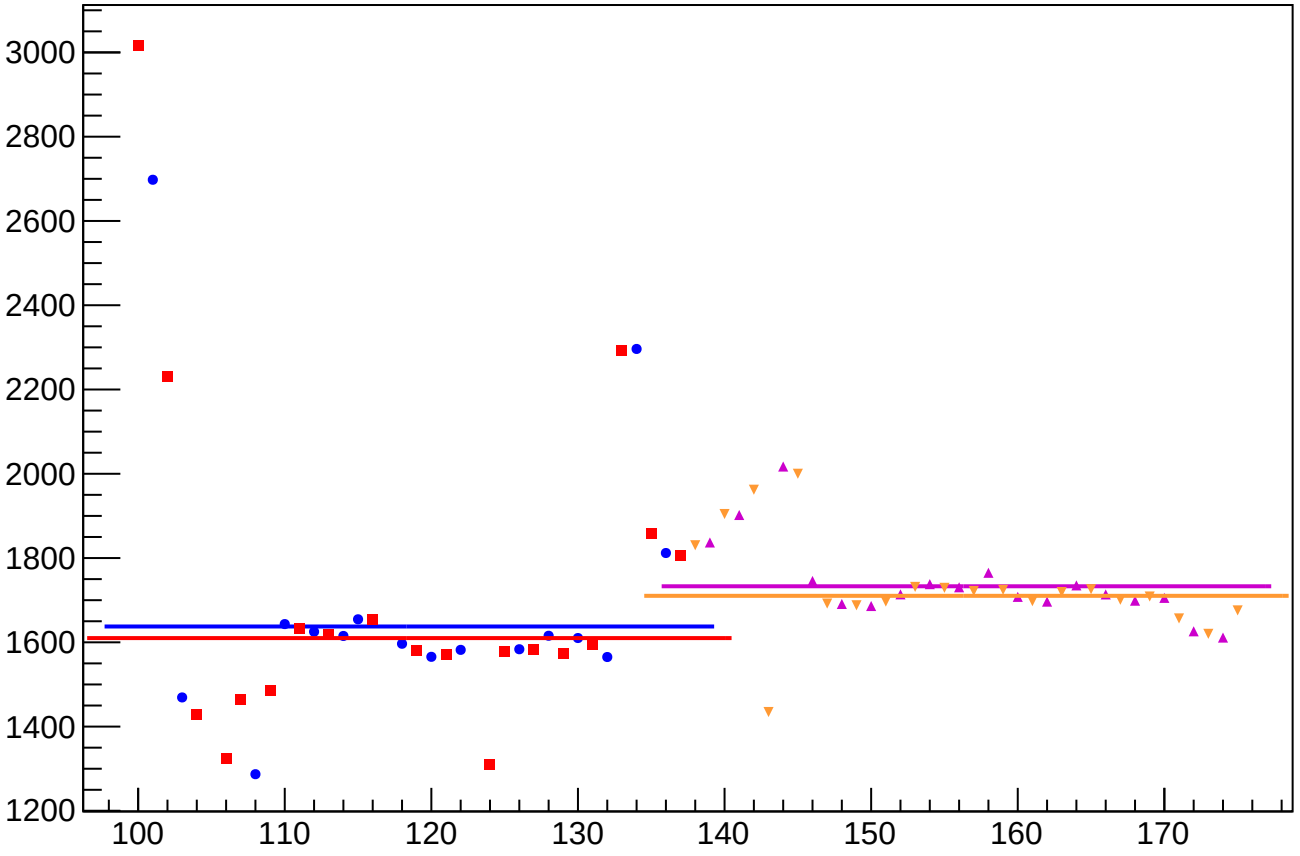
Left In: -304.775+/-449.843 χ^2/NDF:8.8/17

+ sign 706.330+/-352.988 χ^2/NDF: 45.1/35

All: 249.242+/-252.241 χ^2/NDF: 78.0/72

- sign -227.718+/-360.579 χ^2/NDF: 29.5/36

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1710.359+/-0.304 χ^2/NDF:141794.7/19

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

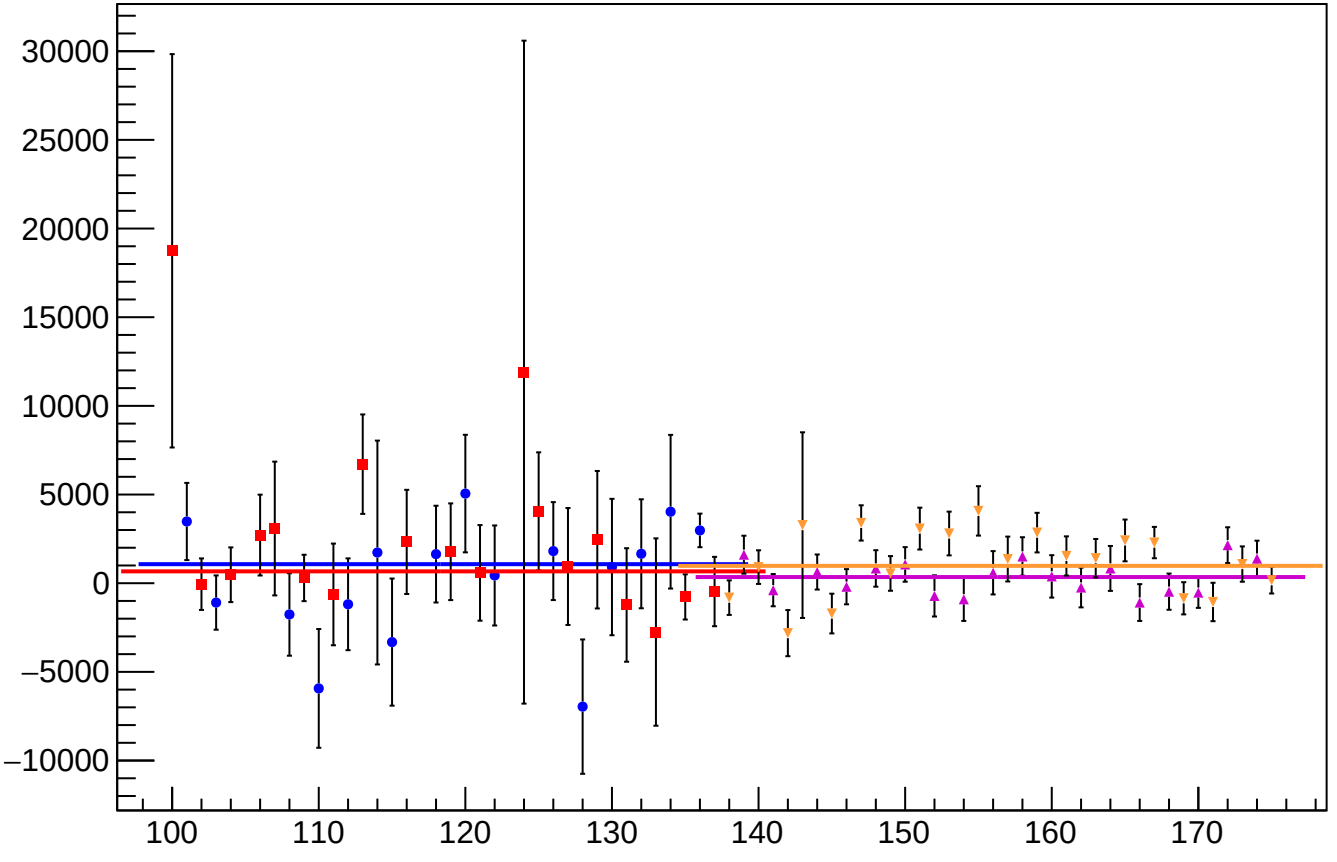
Left In: 1733.020+/-0.318 χ^2/NDF:77553.0/17

\+ sign 1686.554+/-0.250 χ^2/NDF: 521926.8/35

All: 1687.779+/-0.178 χ^2/NDF: 933776.2/72

\- sign 1689.057+/-0.255 χ^2/NDF: 411800.2/36

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 978.534+/-239.003 χ^2/NDF:50.1/19

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

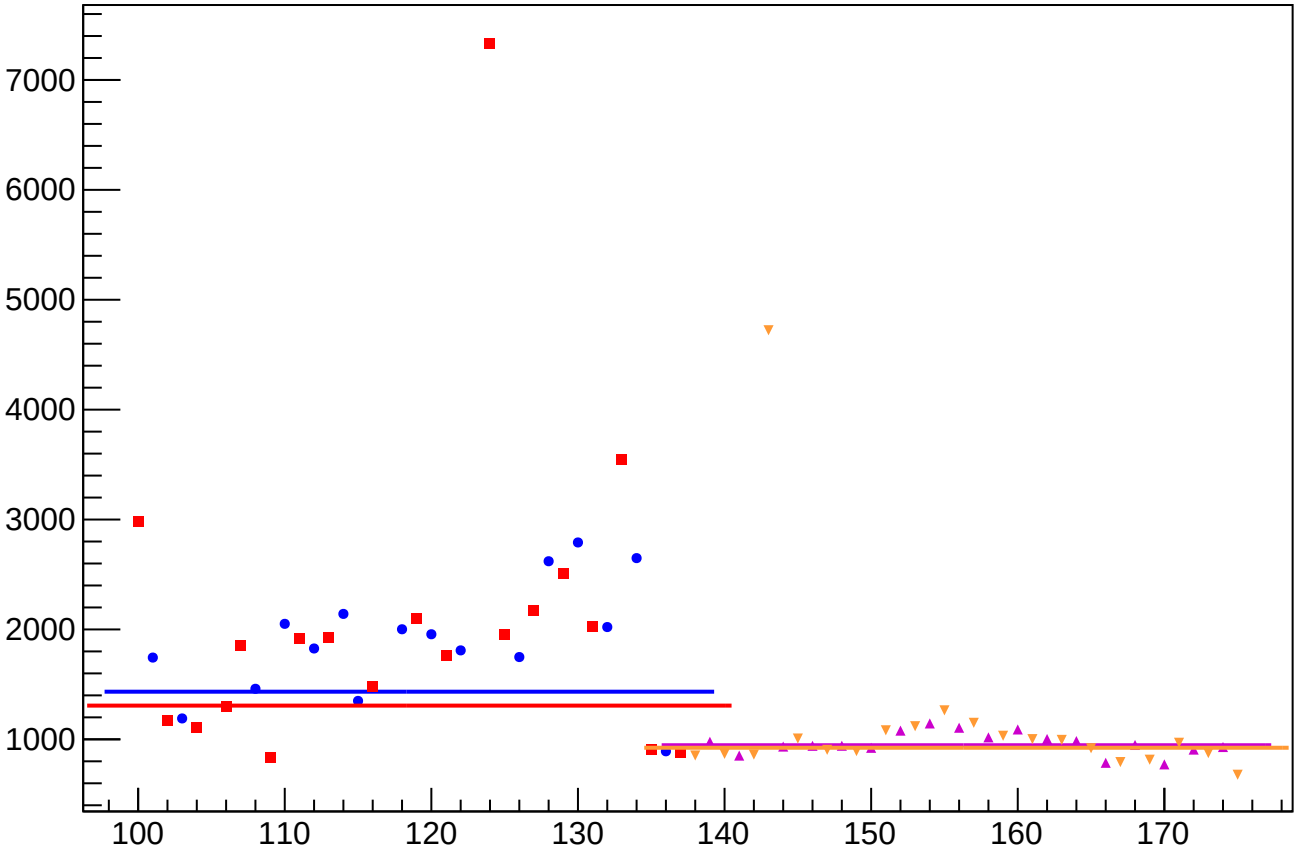
Left In: 347.311+/-247.133 χ^2/NDF:14.5/17

+ sign 992.679+/-220.504 χ^2/NDF: 72.1/35

All: 703.135+/-156.962 χ^2/NDF: 104.0/72

- sign 405.720+/-223.481 χ^2/NDF: 28.4/36

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 923.403+/-0.169 χ^2/NDF:1694317.0/19

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

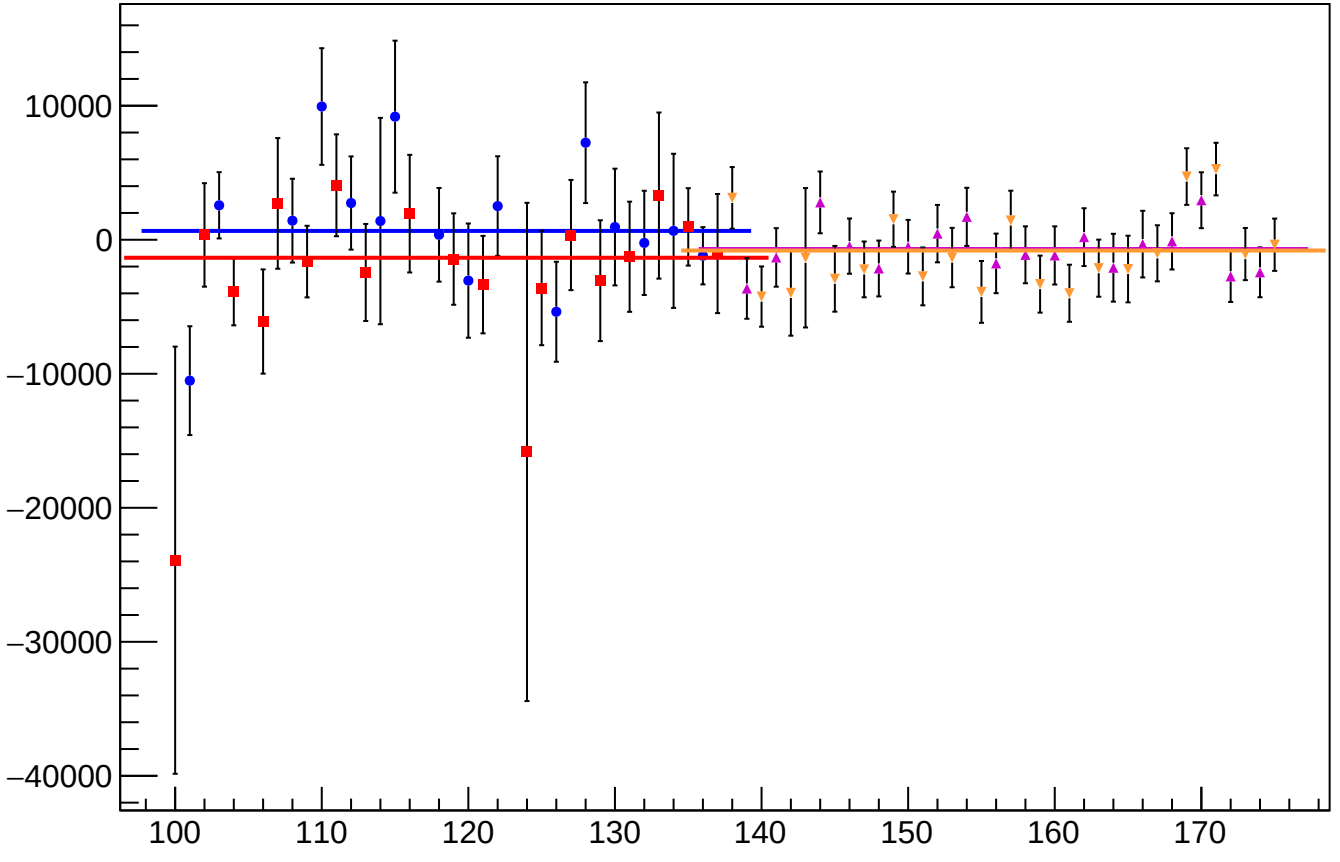
Left In: 946.294+/-0.175 χ^2/NDF:315376.8/17

+ sign 999.309+/-0.156 χ^2/NDF: 4813360.2/35

All: 1005.575+/-0.111 χ^2/NDF: 8091849.0/72

- sign 1012.013+/-0.158 χ^2/NDF: 3275214.0/36

asym_at2_dd_mean vs Slug



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -803.248+/-498.326 χ^2/NDF:33.2/19

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

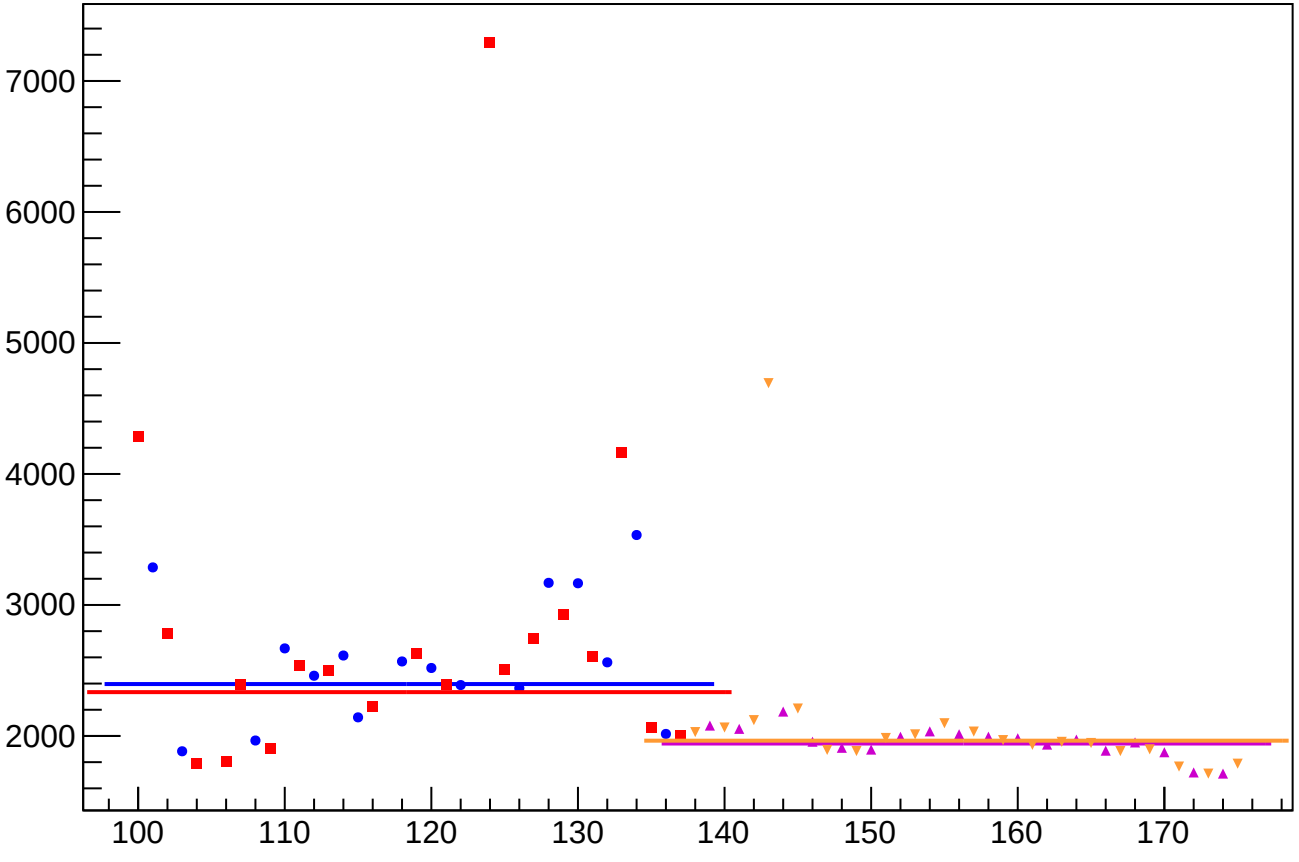
Left In: -693.460+/-504.442 χ^2/NDF:12.0/17

+ sign -465.560+/-437.034 χ^2/NDF: 57.2/35

All: -657.445+/-309.695 χ^2/NDF: 80.9/72

- sign -850.992+/-438.922 χ^2/NDF: 23.3/36

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1963.979+/-0.352 χ^2/NDF:671526.1/19

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

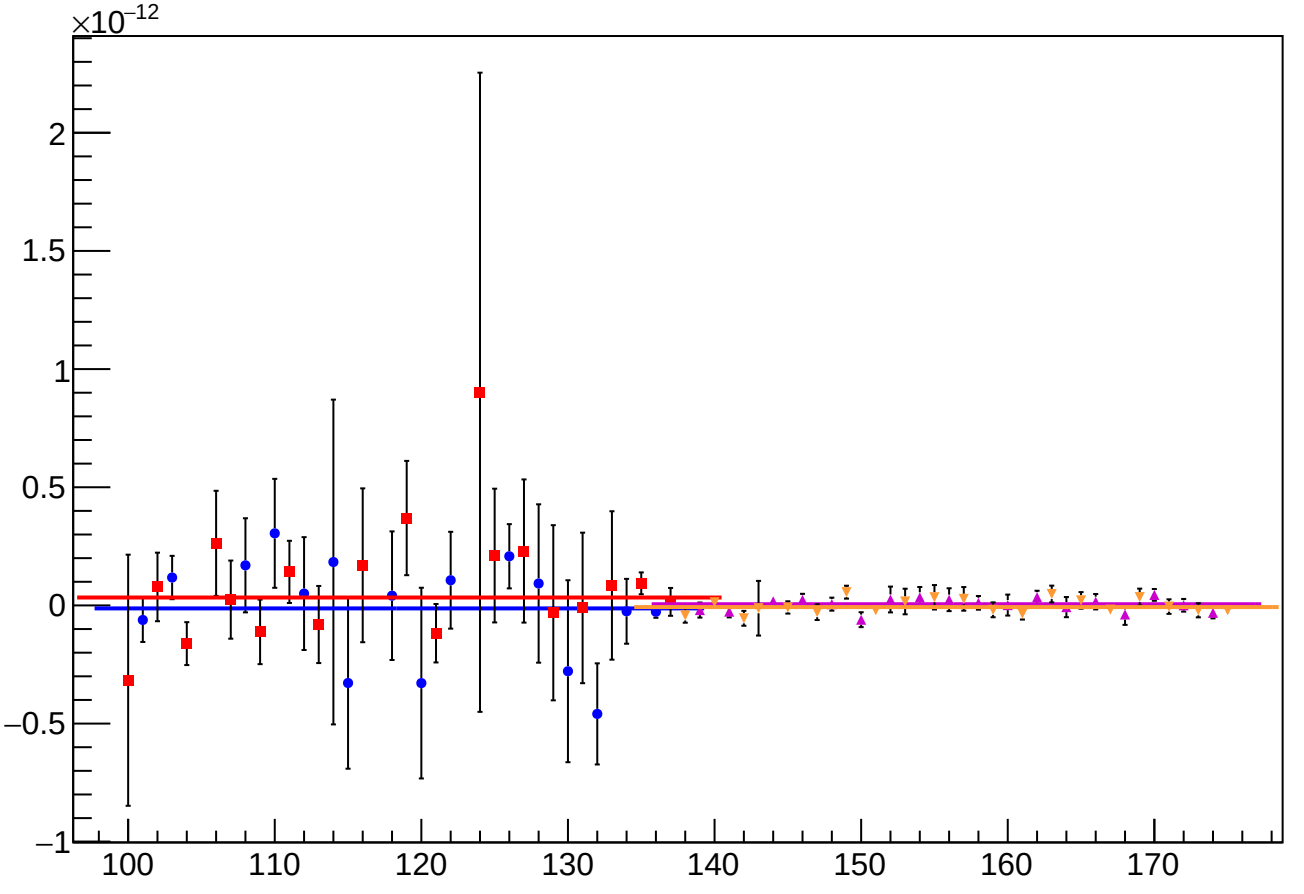
Left In: 1942.304+/-0.357 χ^2/NDF:105915.1/17

+ sign 2063.782+/-0.309 χ^2/NDF: 1526899.1/35

All: 2050.744+/-0.219 χ^2/NDF: 2611761.4/72

- sign 2037.593+/-0.310 χ^2/NDF: 1081286.9/36

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

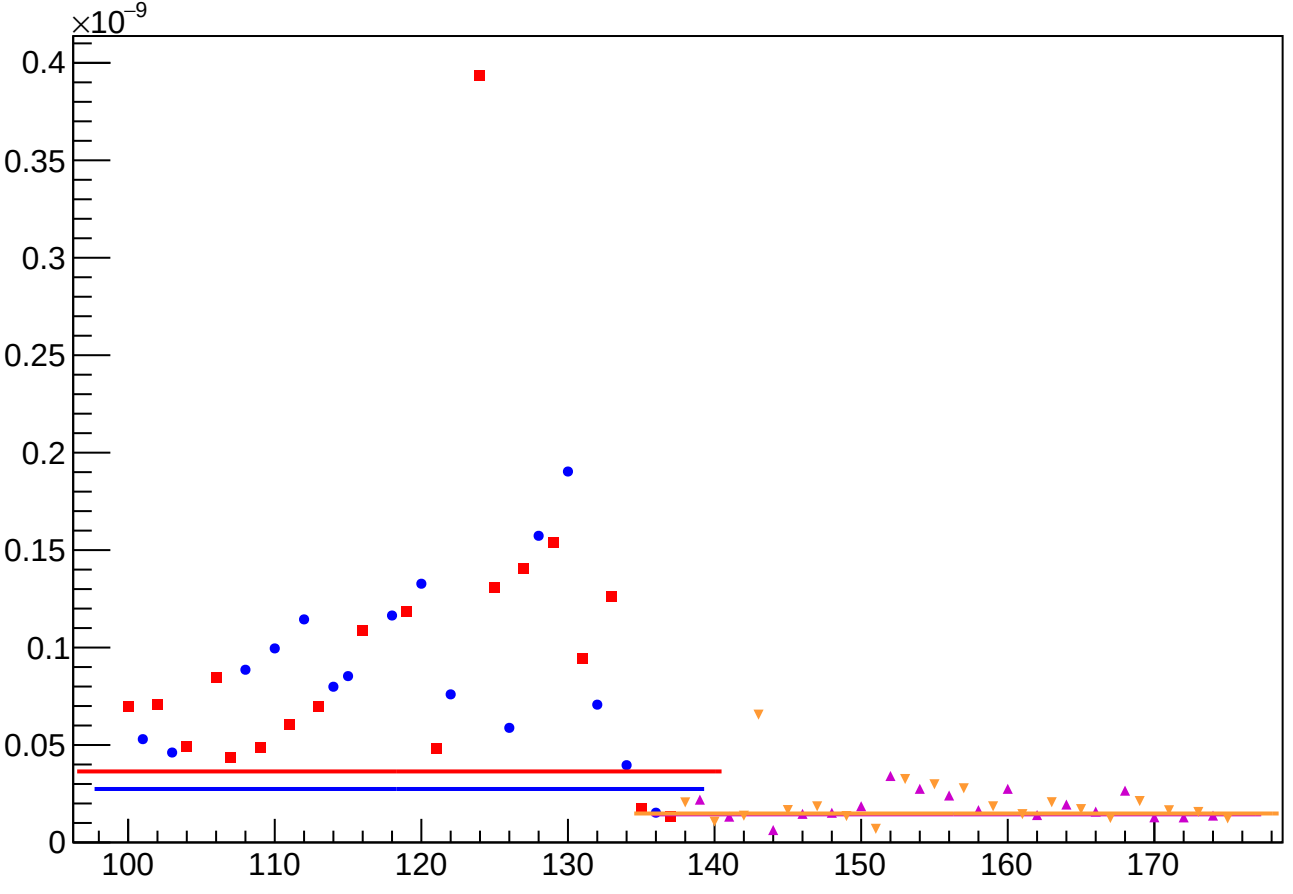
Left In: 0.000+/-0.000 χ^2/NDF:15.8/17

+ sign -0.000+/-0.000 χ^2/NDF: 34.0/35

All: -0.000+/-0.000 χ^2/NDF: 68.5/72

- sign 0.000+/-0.000 χ^2/NDF: 32.0/36

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1683125.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

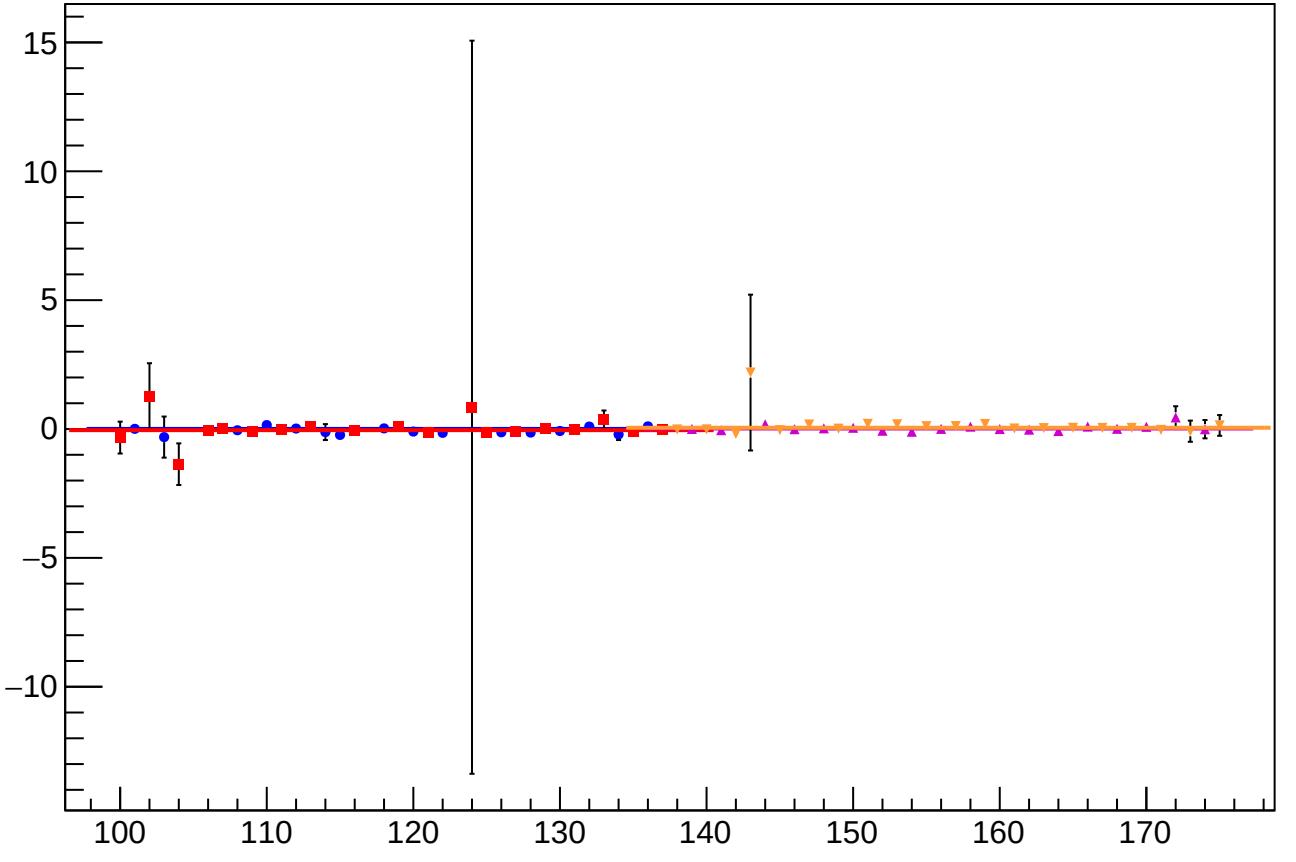
Left In: 0.000+/-0.000 χ^2/NDF:1738616.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 5005259.8/35

All: 0.000+/-0.000 χ^2/NDF: 10360595.1/72

- sign 0.000+/-0.000 χ^2/NDF: 5353963.3/36

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/19

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

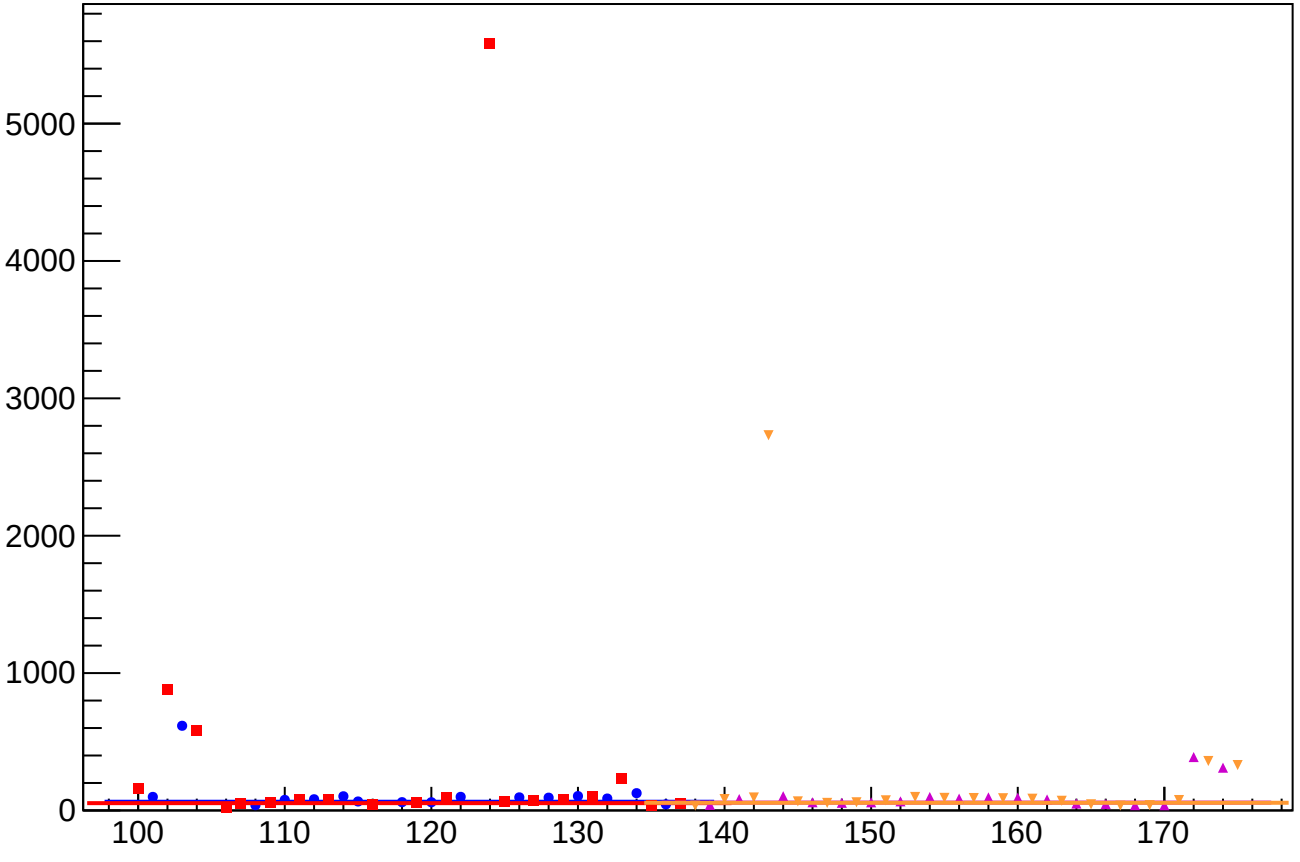
Left In: 0.020+/-0.017 χ^2/NDF:12.8/17

+ sign 0.036+/-0.014 χ^2/NDF: 35.2/35

All: 0.017+/-0.010 χ^2/NDF: 68.4/72

- sign -0.001+/-0.014 χ^2/NDF: 29.9/36

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 55.867+/-0.012 χ^2/NDF:6580802.0/19

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

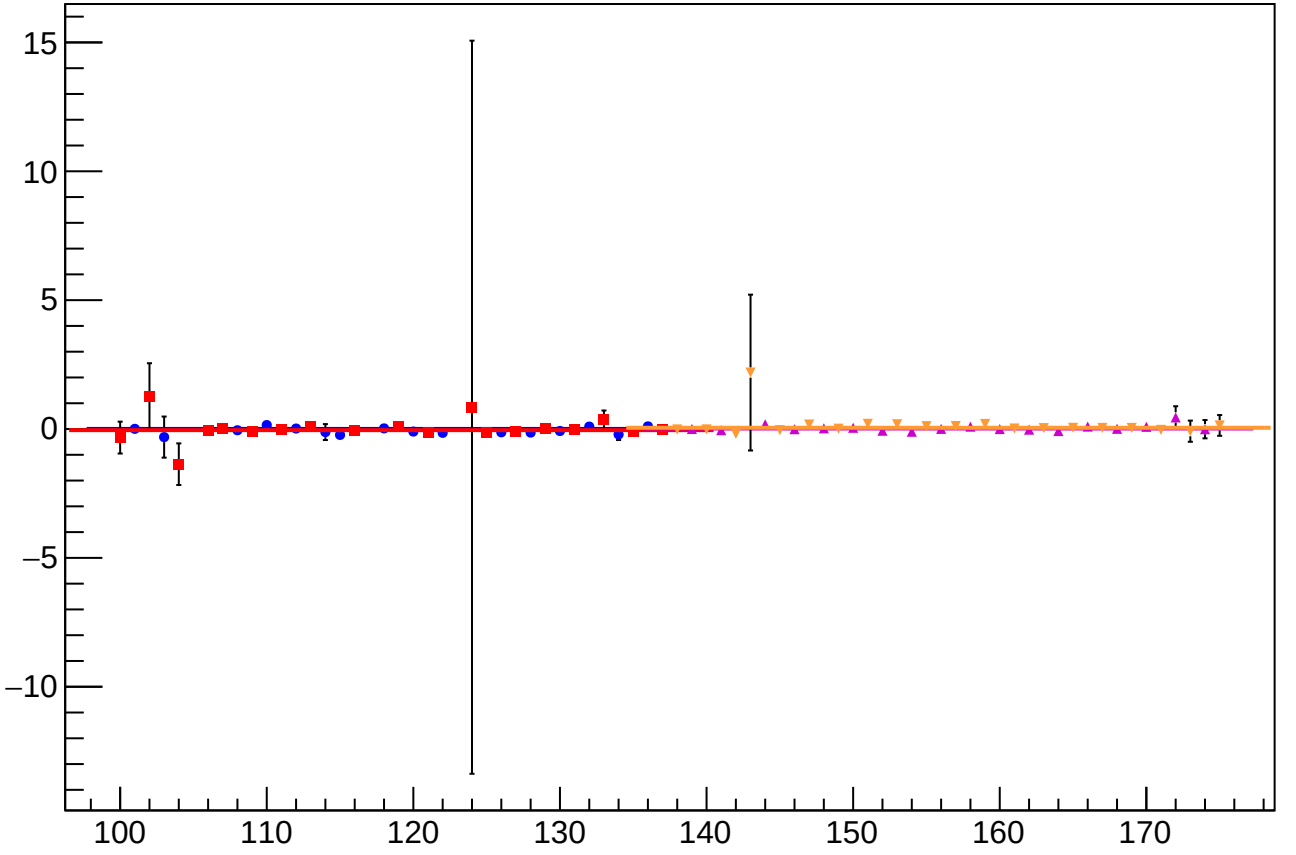
Left In: 57.095+/-0.012 χ^2/NDF:4864225.8/17

+ sign 58.006+/-0.010 χ^2/NDF: 9137693.5/35

All: 56.897+/-0.007 χ^2/NDF: 18003902.4/72

- sign 55.839+/-0.010 χ^2/NDF: 8843191.7/36

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/19

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

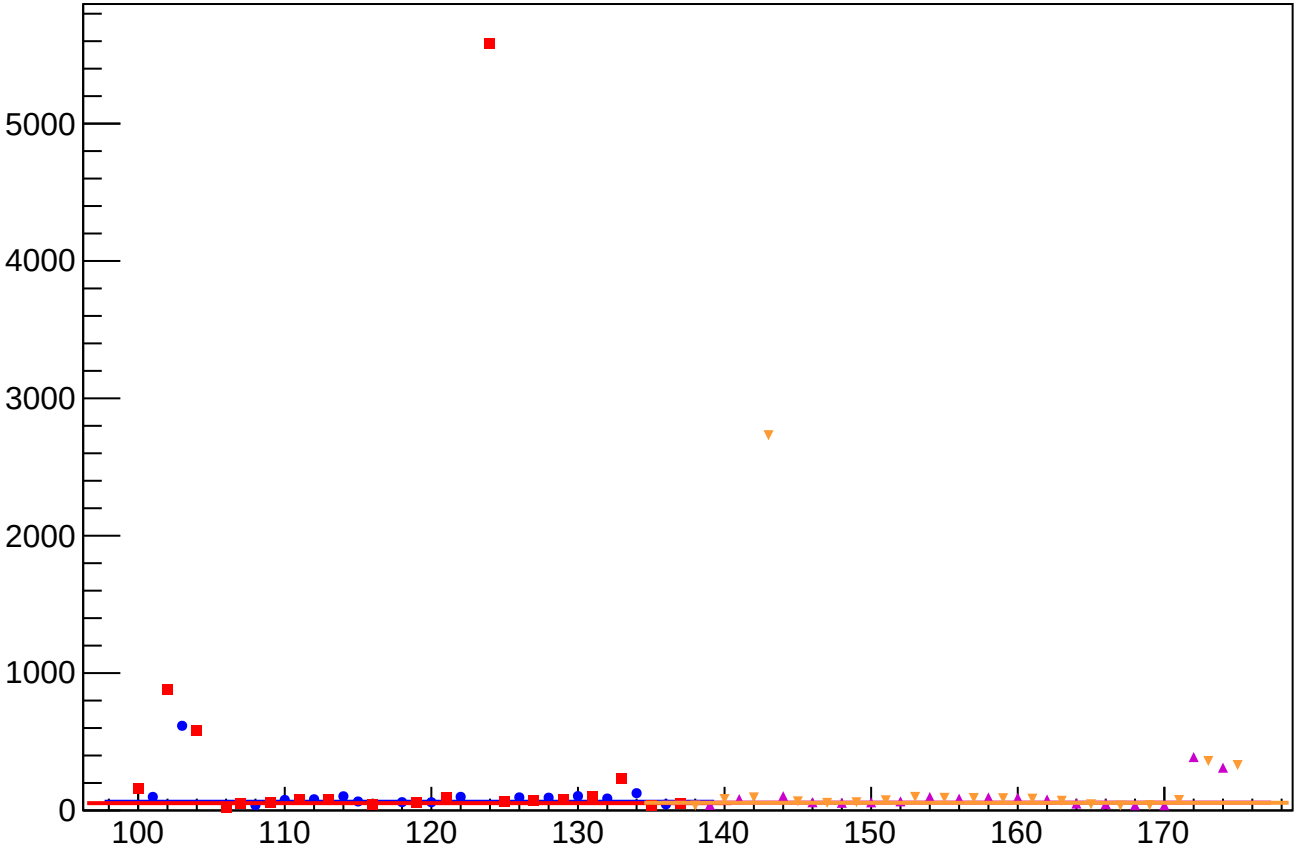
Left In: 0.020+/-0.017 χ^2/NDF:12.8/17

+ sign 0.036+/-0.014 χ^2/NDF: 35.2/35

All: 0.017+/-0.010 χ^2/NDF: 68.4/72

- sign -0.001+/-0.014 χ^2/NDF: 29.9/36

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 55.867+/-0.012 χ^2/NDF:6580802.0/19

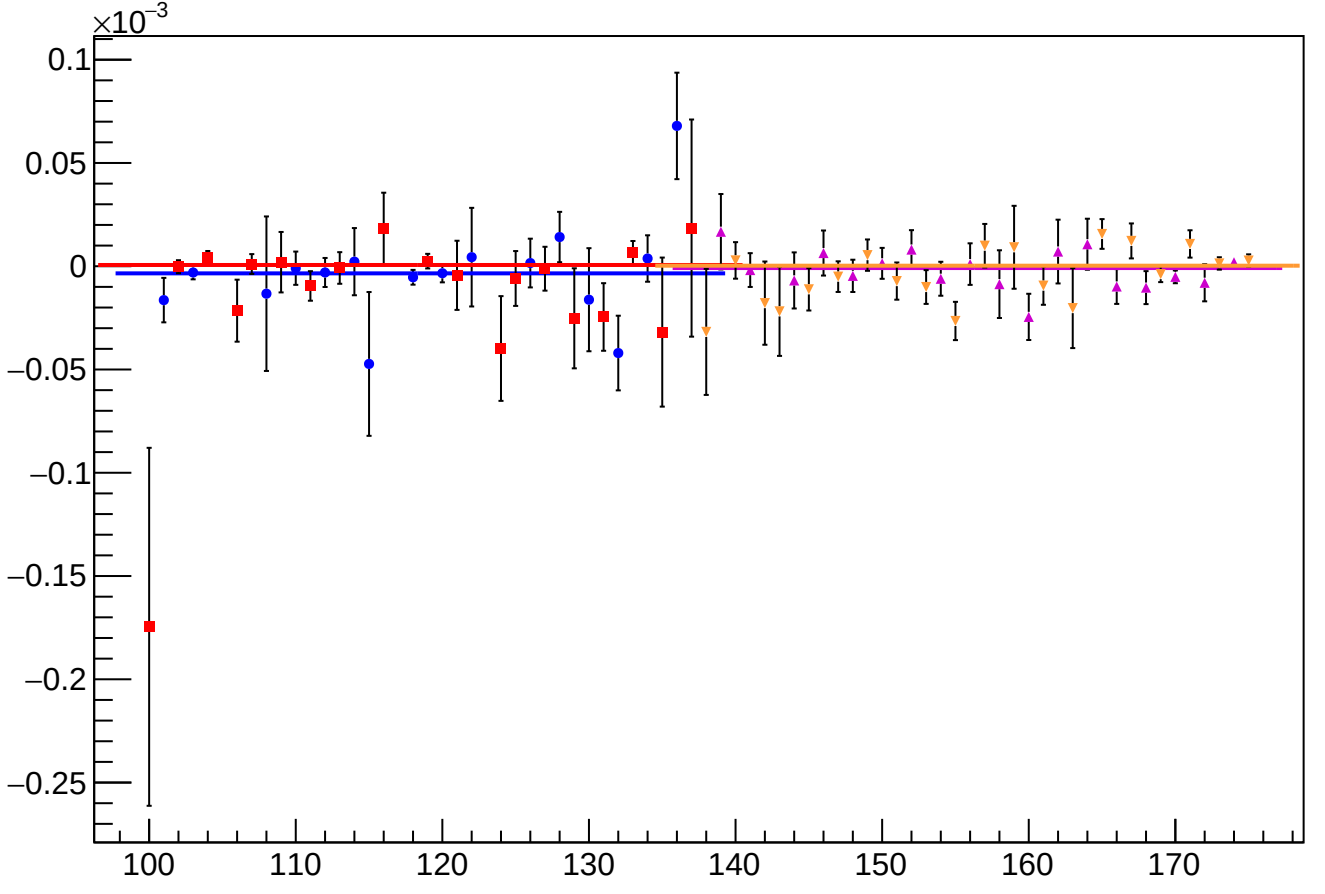
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.095+/-0.012 χ^2/NDF:4864225.8/17

+ sign 58.006+/-0.010 χ^2/NDF: 9137693.5/35

All: 56.897+/-0.007 χ^2/NDF: 18003902.4/72

- sign 55.839+/-0.010 χ^2/NDF: 8843191.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.1/19

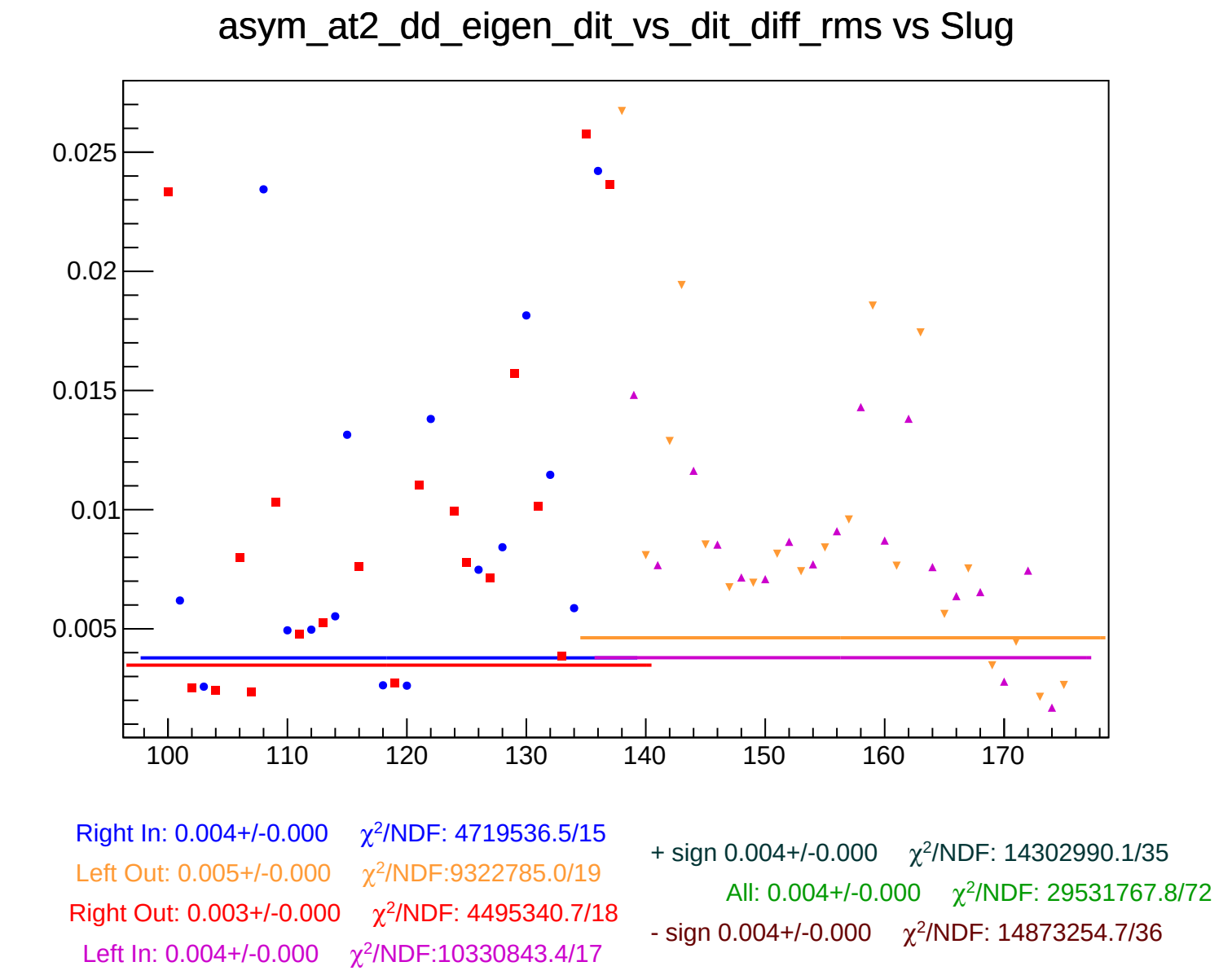
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

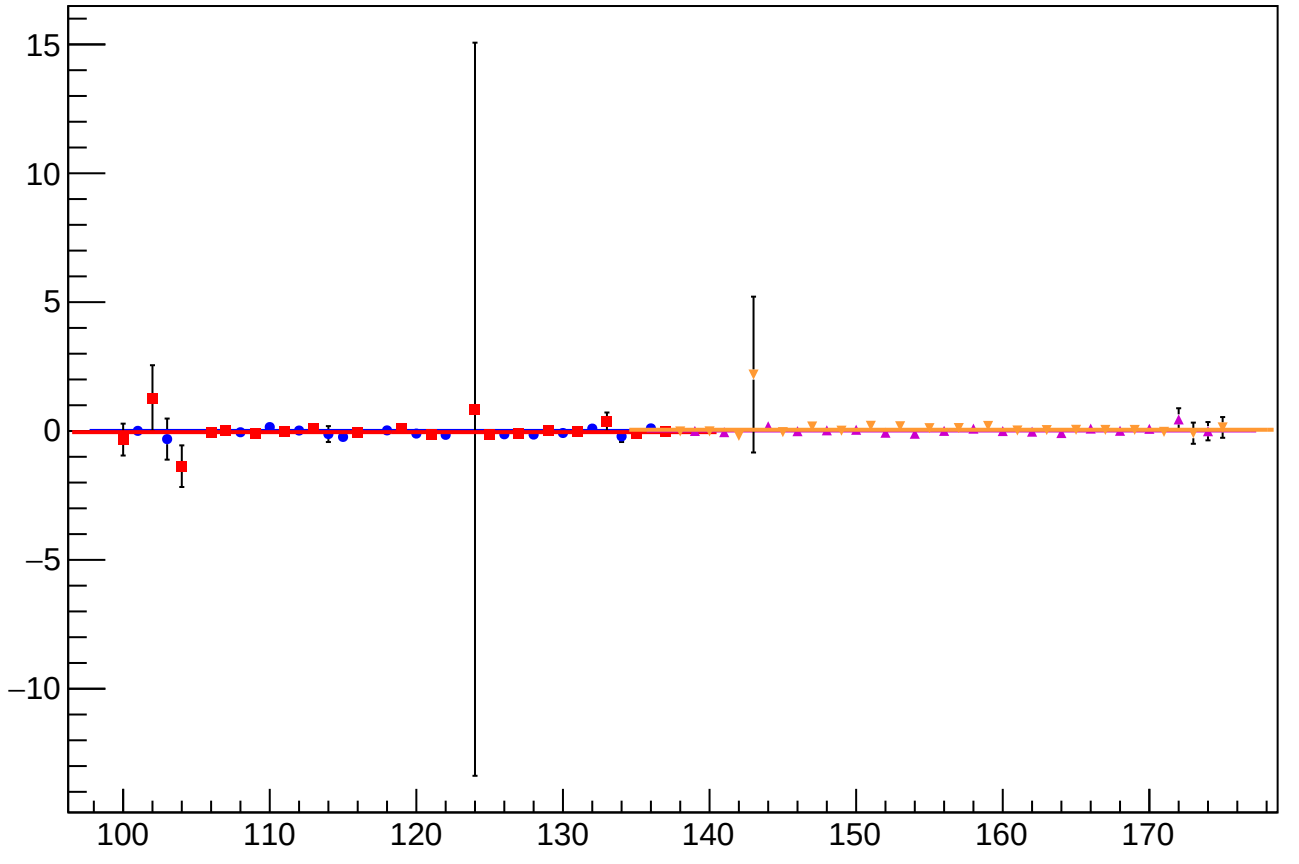
Left In: -0.000+/-0.000 χ^2/NDF:16.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 51.5/35

All: -0.000+/-0.000 χ^2/NDF: 88.0/72

- sign -0.000+/-0.000 χ^2/NDF: 36.1/36


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.004+/-0.000 χ²/NDF: 4719536.5/15
Left Out: 0.005+/-0.000 χ²/NDF:9322785.0/19
Right Out: 0.003+/-0.000 χ²/NDF: 4495340.7/18
Left In: 0.004+/-0.000 χ²/NDF:10330843.4/17
+ sign 0.004+/-0.000 χ²/NDF: 14302990.1/35
All: 0.004+/-0.000 χ²/NDF: 29531767.8/72
- sign 0.004+/-0.000 χ²/NDF: 14873254.7/36



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/19

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

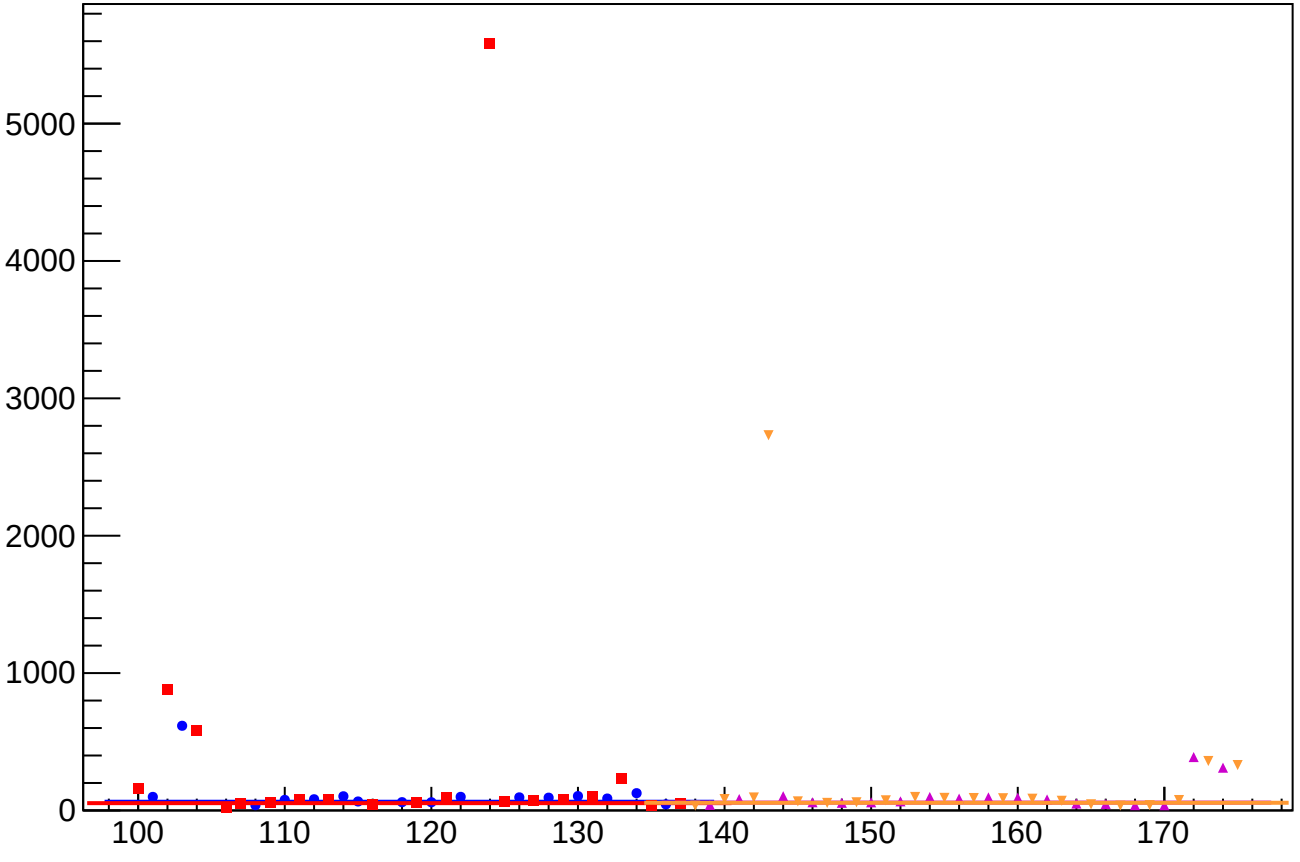
Left In: 0.020+/-0.017 χ^2/NDF:12.8/17

+ sign 0.036+/-0.014 χ^2/NDF: 35.3/35

All: 0.017+/-0.010 χ^2/NDF: 68.4/72

- sign -0.001+/-0.014 χ^2/NDF: 29.9/36

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 55.866+/-0.012 χ^2/NDF:6580526.8/19

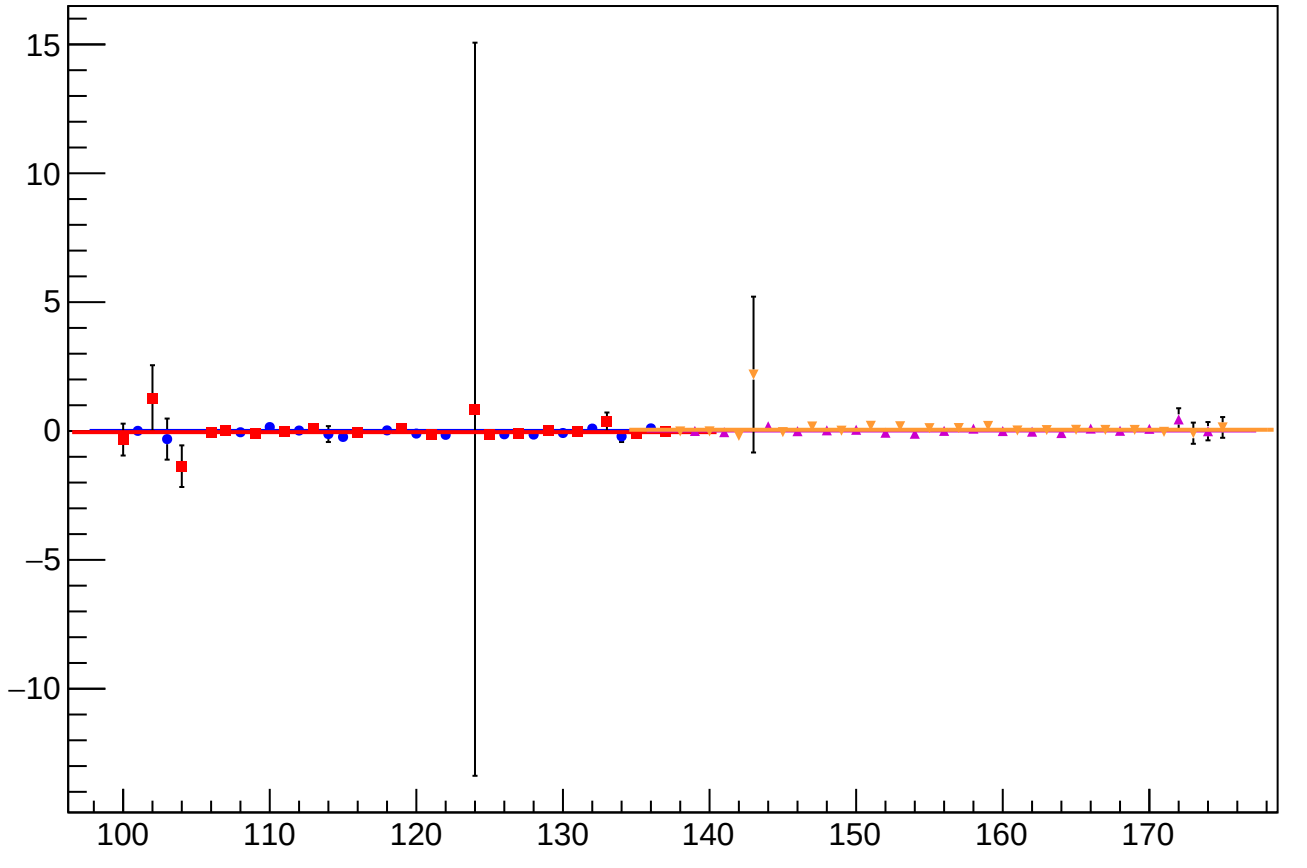
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.097+/-0.012 χ^2/NDF:4863764.9/17

+ sign 58.007+/-0.010 χ^2/NDF: 9136800.9/35

All: 56.898+/-0.007 χ^2/NDF: 18003260.5/72

- sign 55.839+/-0.010 χ^2/NDF: 8843408.7/36



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/19

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

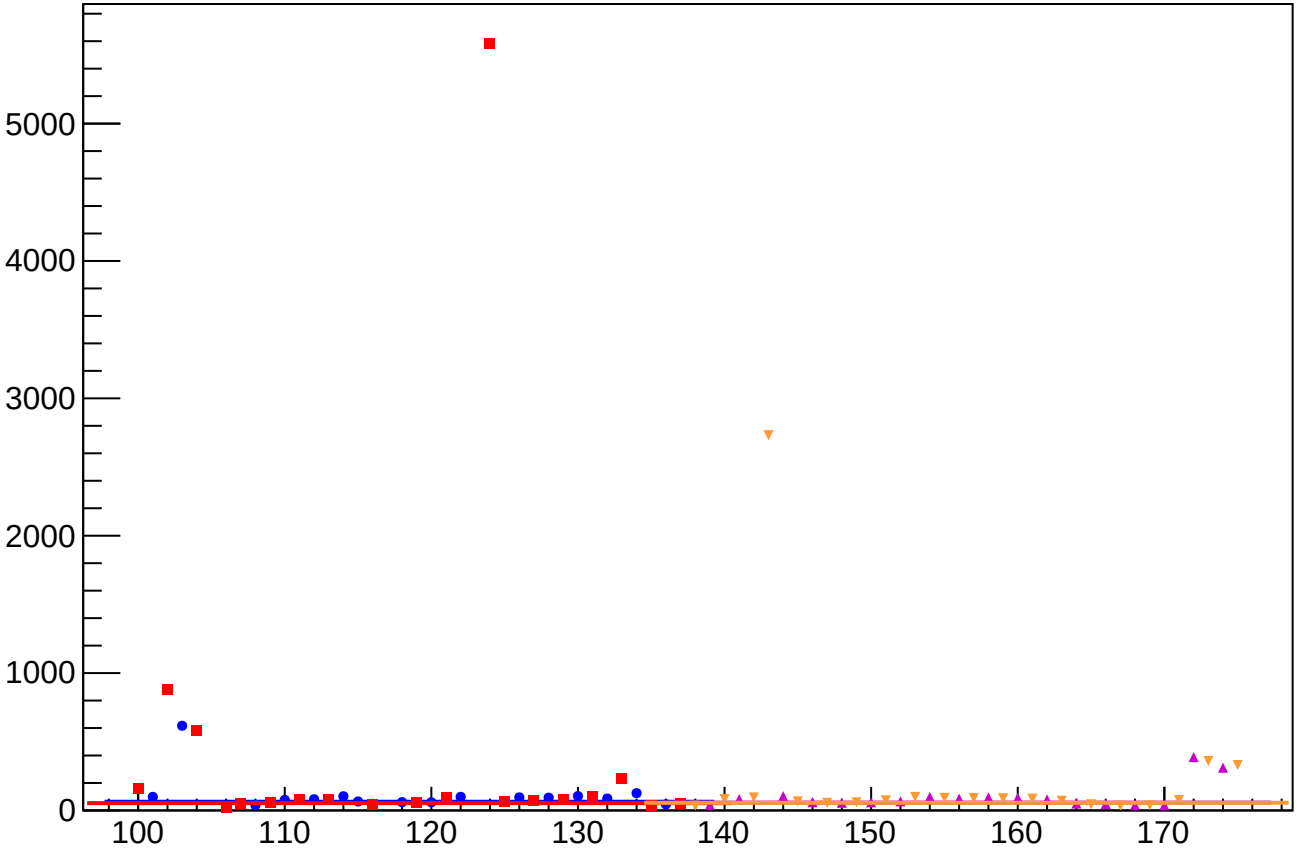
Left In: 0.020+/-0.017 χ^2/NDF:12.8/17

+ sign 0.036+/-0.014 χ^2/NDF: 35.3/35

All: 0.017+/-0.010 χ^2/NDF: 68.4/72

- sign -0.001+/-0.014 χ^2/NDF: 29.9/36

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 55.866+/-0.012 χ^2/NDF:6580526.8/19

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

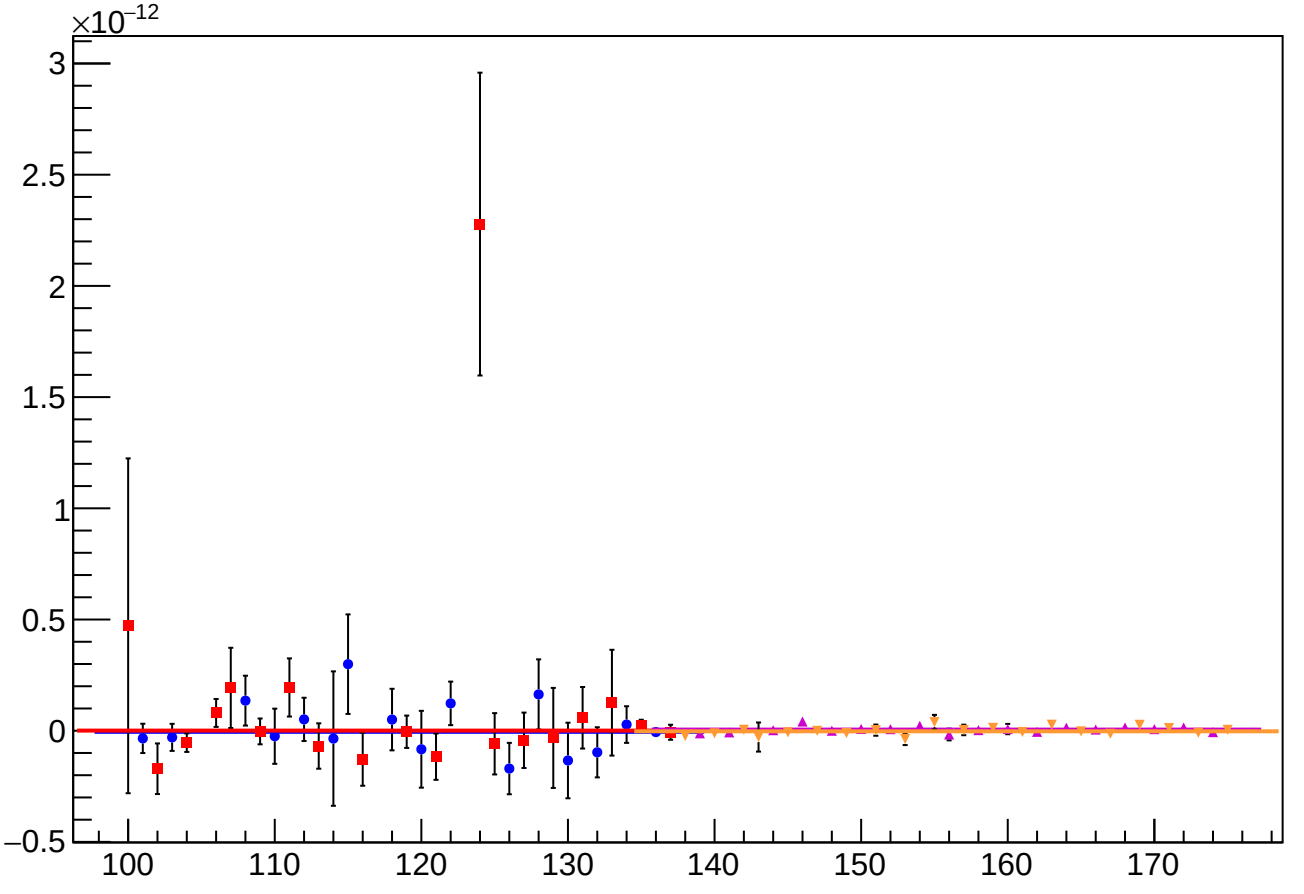
Left In: 57.097+/-0.012 χ^2/NDF:4863764.9/17

+ sign 58.007+/-0.010 χ^2/NDF: 9136800.9/35

All: 56.898+/-0.007 χ^2/NDF: 18003260.5/72

- sign 55.839+/-0.010 χ^2/NDF: 8843408.7/36

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

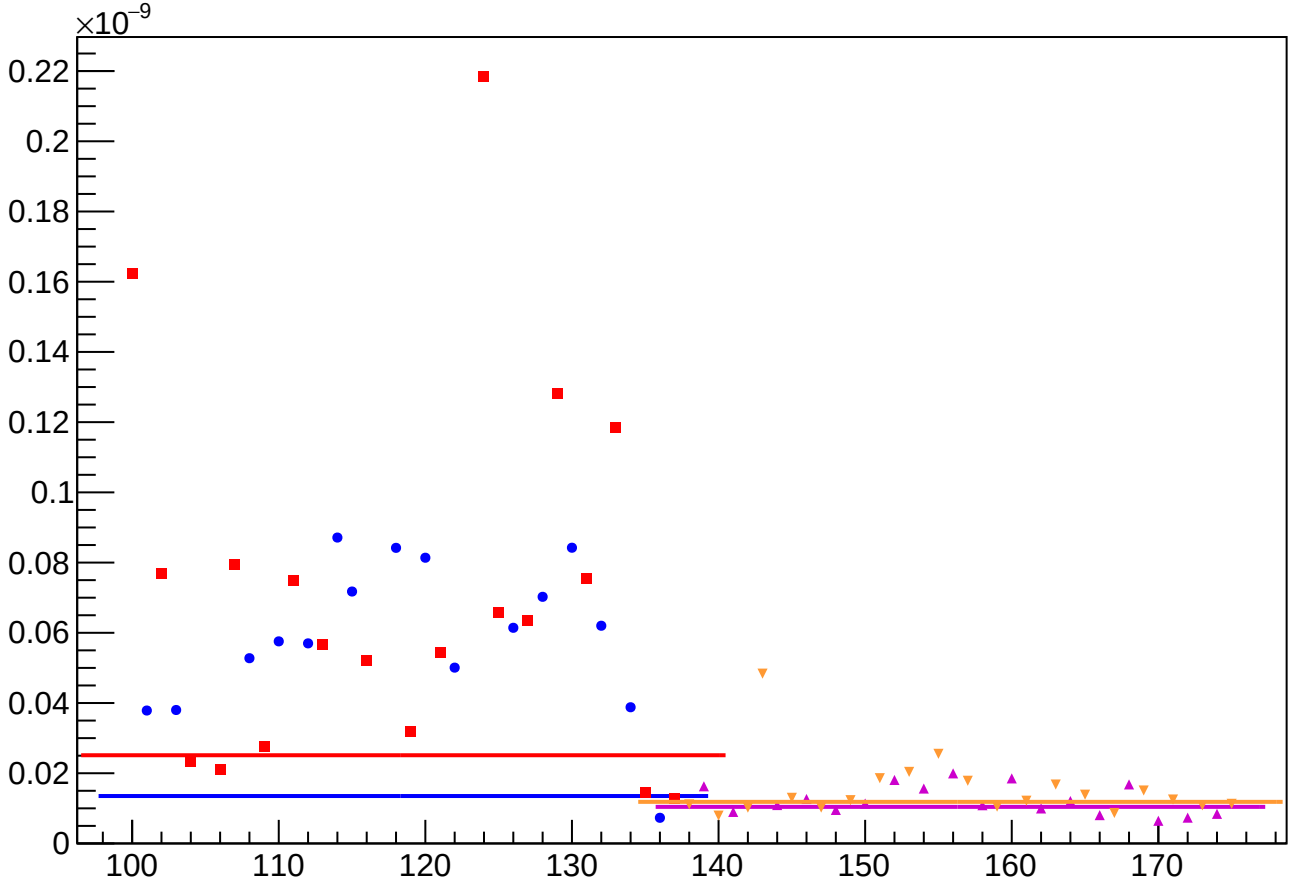
Left In: 0.000+/-0.000 χ^2/NDF:10.9/17

+ sign -0.000+/-0.000 χ^2/NDF: 24.7/35

All: 0.000+/-0.000 χ^2/NDF: 63.2/72

- sign 0.000+/-0.000 χ^2/NDF: 36.1/36

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2148064.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

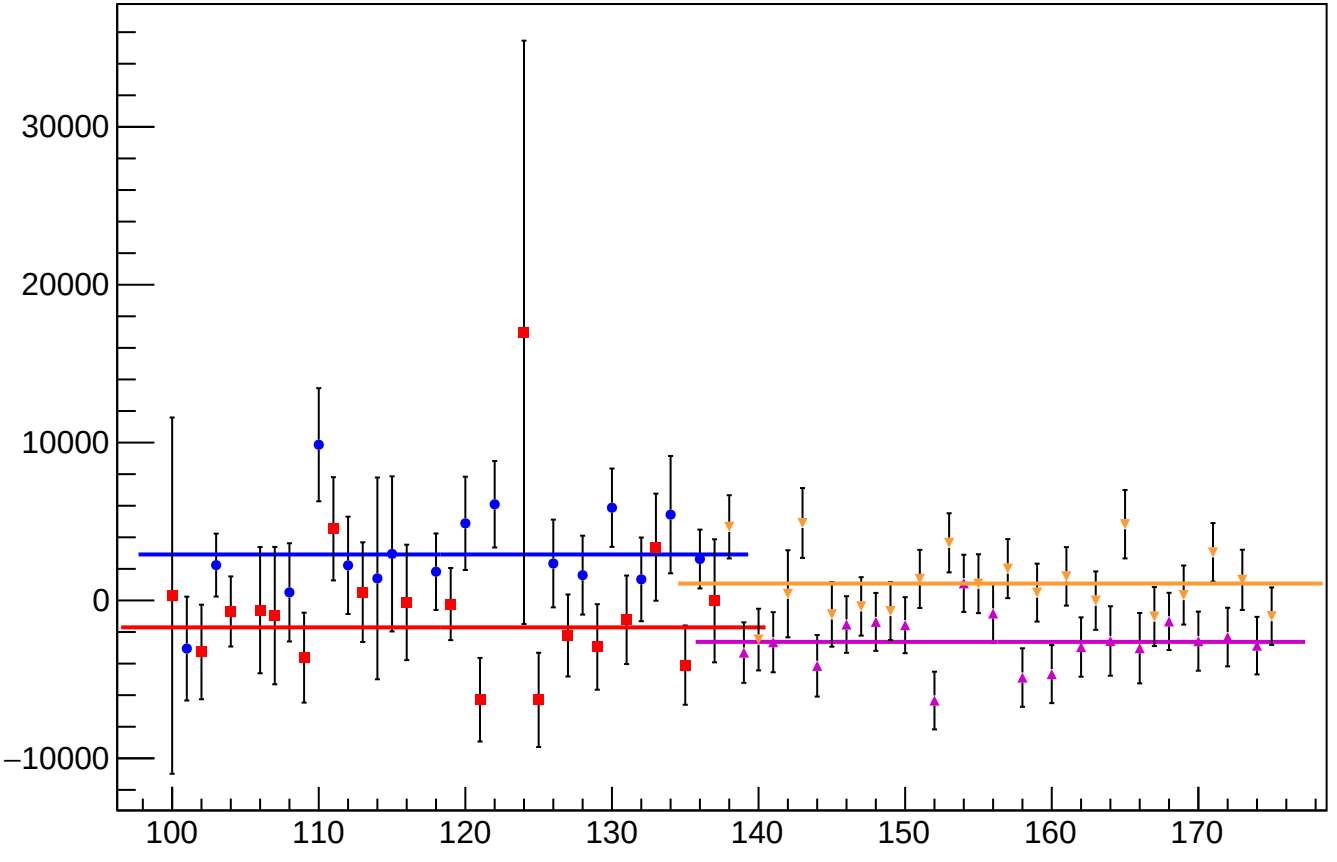
Left In: 0.000+/-0.000 χ^2/NDF:1844263.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 7187445.9/35

All: 0.000+/-0.000 χ^2/NDF: 14479582.3/72

- sign 0.000+/-0.000 χ^2/NDF: 7232414.0/36

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1072.420+/-431.994 χ^2/NDF:21.5/19

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

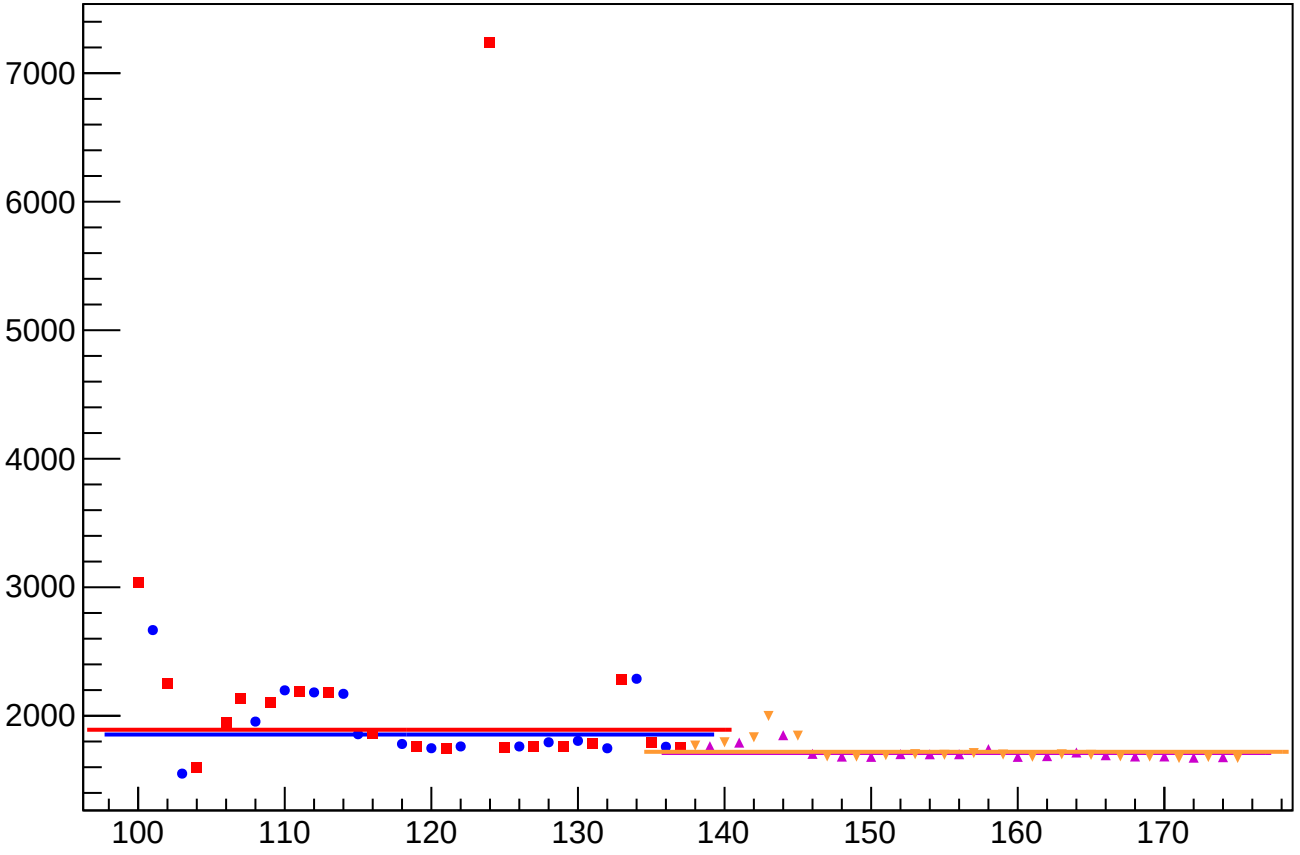
Left In: -2624.653+/-443.557 χ^2/NDF:14.5/17

+ sign 1585.292+/-366.903 χ^2/NDF: 39.0/35

All: -342.915+/-262.498 χ^2/NDF: 127.2/72

- sign -2364.801+/-375.710 χ^2/NDF: 31.6/36

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1719.745+/-0.305 χ^2/NDF:56061.6/19

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

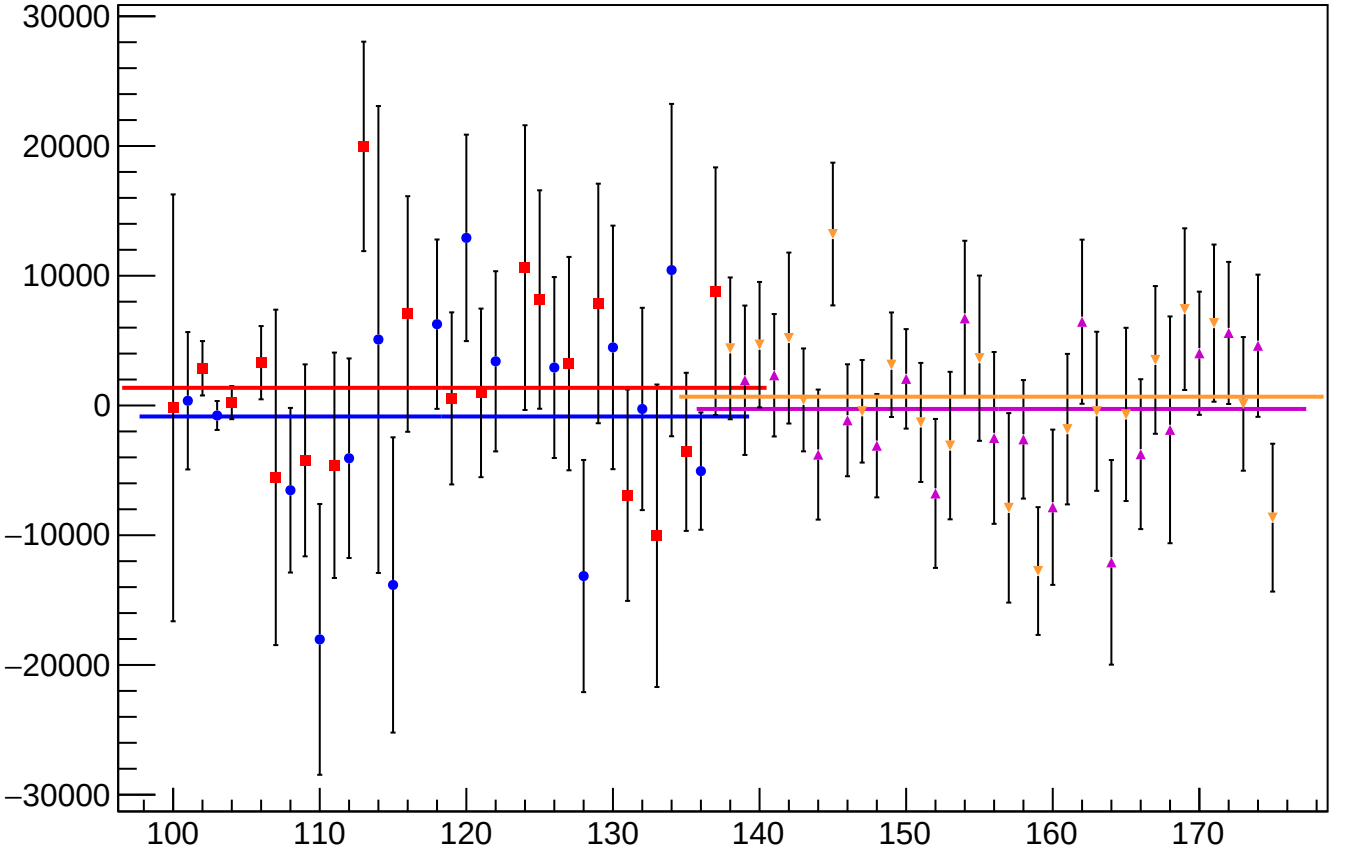
Left In: 1710.560+/-0.314 χ^2/NDF:20230.0/17

+ sign 1757.242+/-0.259 χ^2/NDF: 373461.9/35

All: 1759.489+/-0.186 χ^2/NDF: 852204.5/72

- sign 1761.842+/-0.265 χ^2/NDF: 478589.2/36

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 676.644+/-1181.970 χ^2/NDF:22.2/19

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

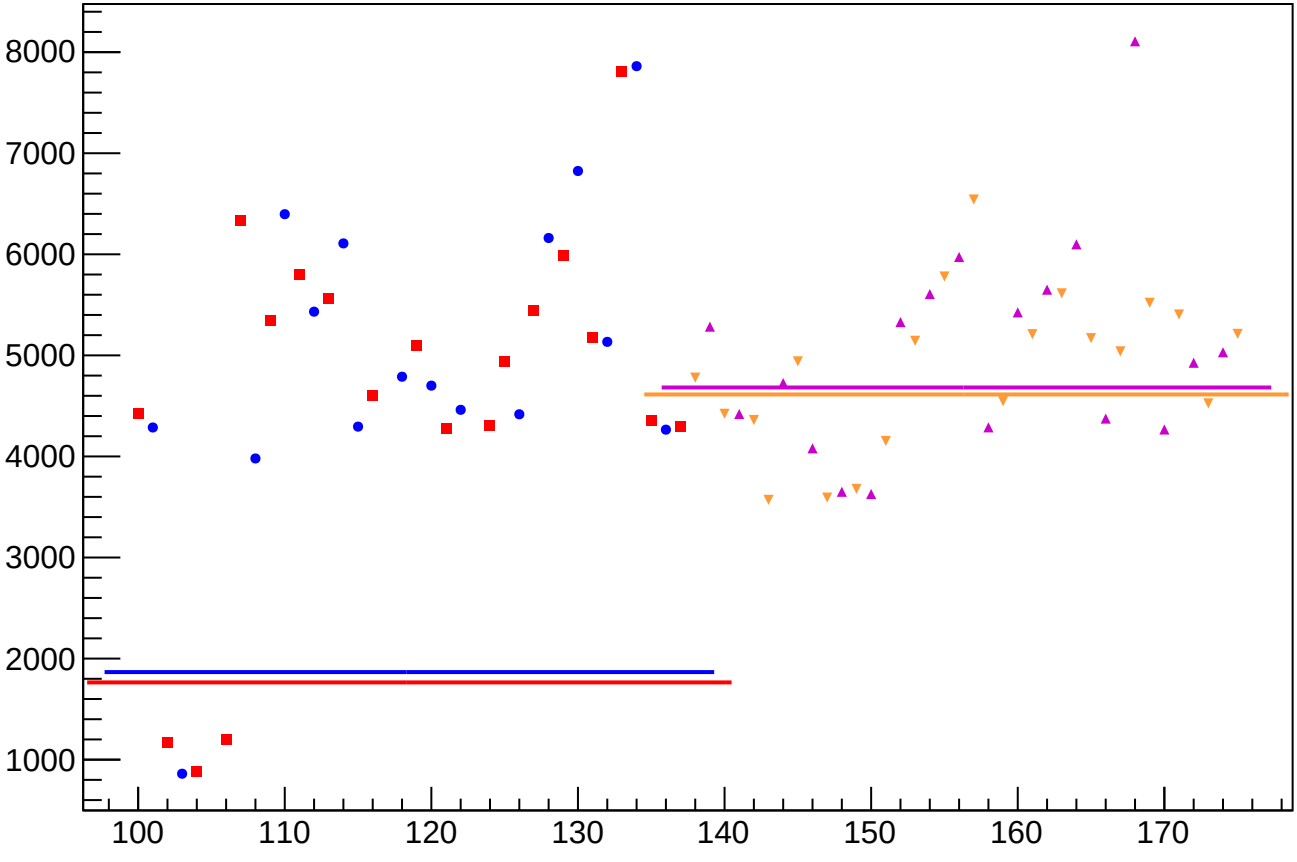
Left In: -268.102+/-1238.772 χ^2/NDF:13.0/17

+ sign -239.764+/-746.541 χ^2/NDF: 37.1/35

All: 279.837+/-524.290 χ^2/NDF: 66.2/72

- sign 785.523+/-736.477 χ^2/NDF: 28.1/36

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4613.306+/-0.836 χ^2/NDF:837642.8/19

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

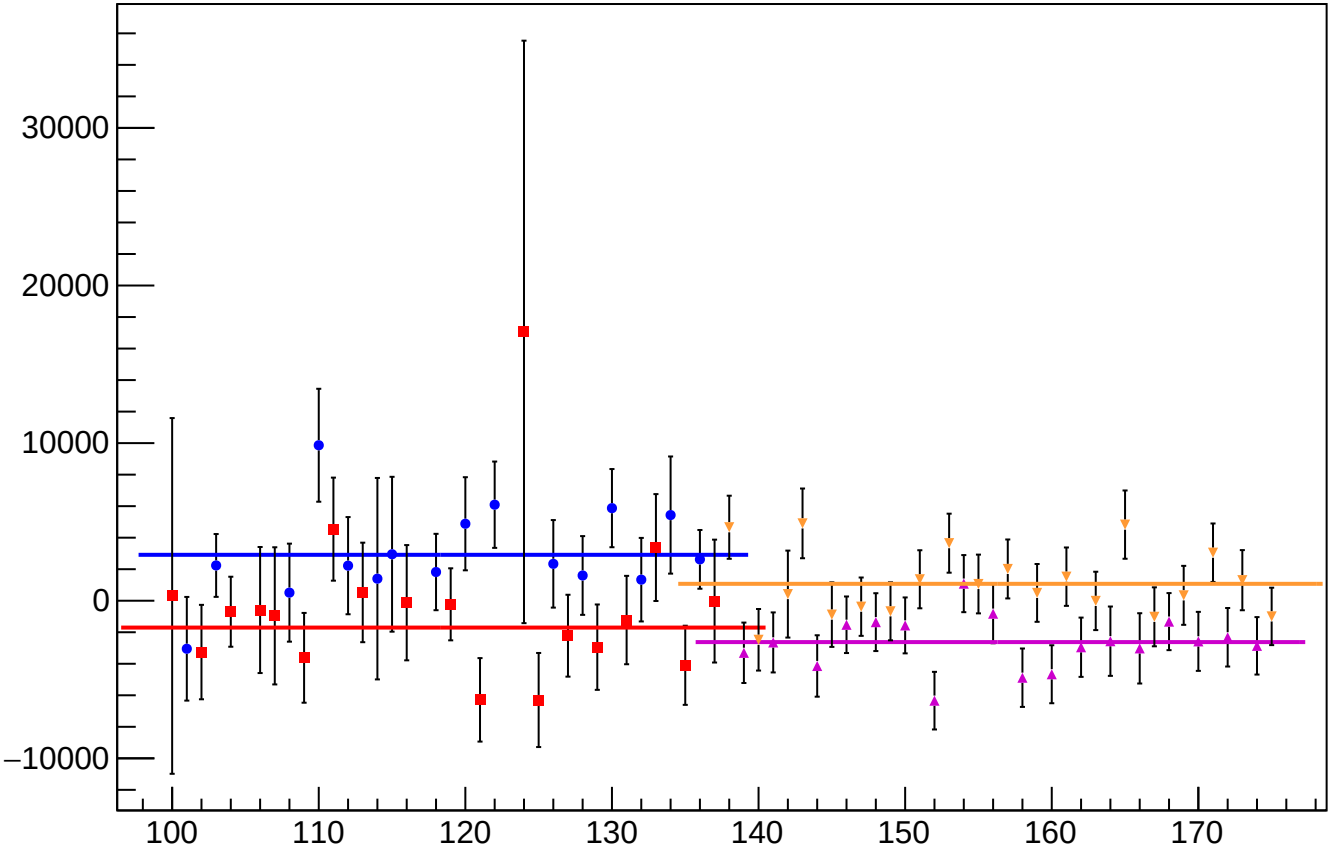
Left In: 4682.158+/-0.876 χ^2/NDF:998862.9/17

\+ sign 2962.219+/-0.528 χ^2/NDF: 14180048.7/35

All: 2877.790+/-0.371 χ^2/NDF: 28838488.5/7

\- sign 2795.621+/-0.521 χ^2/NDF: 14607963.5/36

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1072.312+/-431.994 χ^2/NDF:21.5/19

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

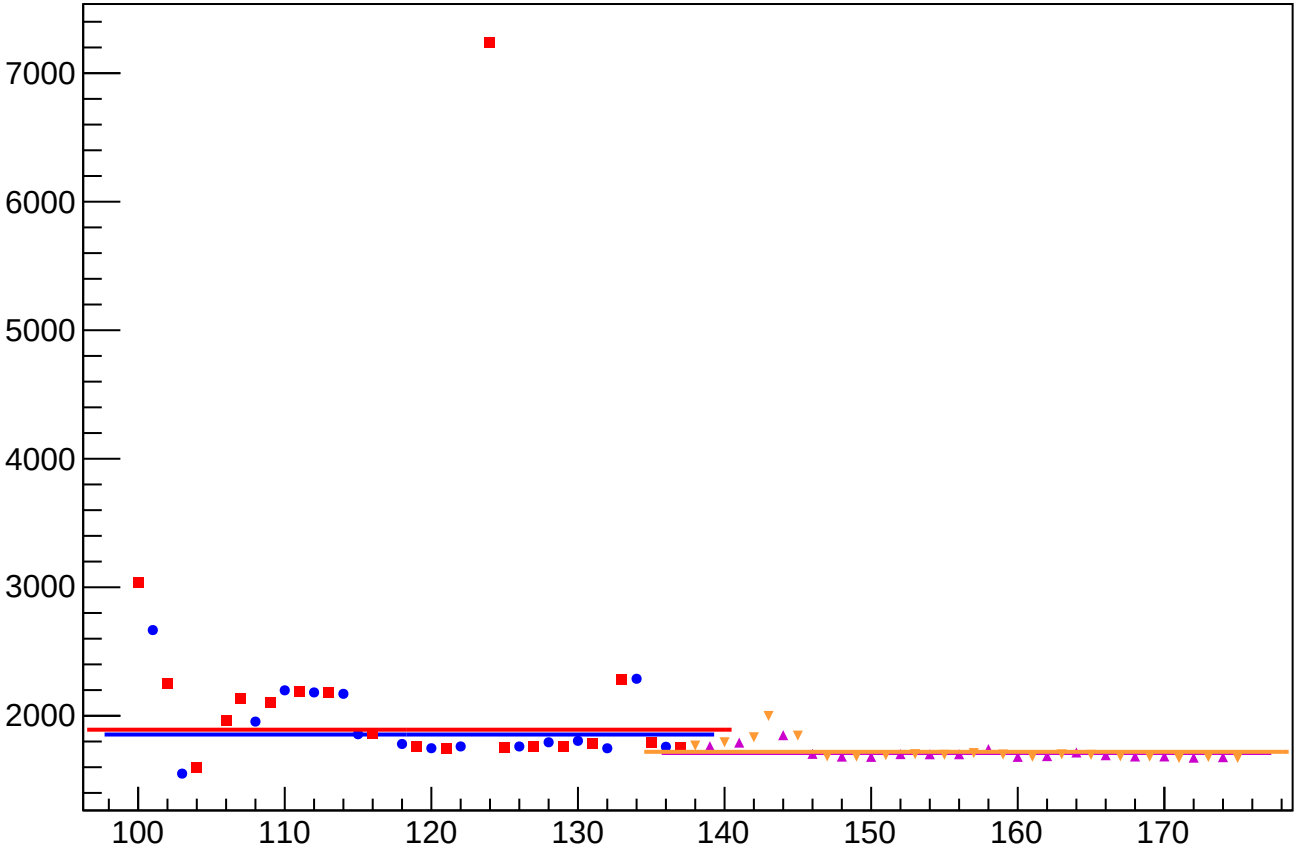
Left In: -2624.628+/-443.557 χ^2/NDF:14.5/17

+ sign 1585.242+/-366.903 χ^2/NDF: 39.0/35

All: -342.741+/-262.498 χ^2/NDF: 127.2/72

- sign -2364.394+/-375.711 χ^2/NDF: 31.6/36

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1719.745+/-0.305 χ^2/NDF:56061.6/19

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

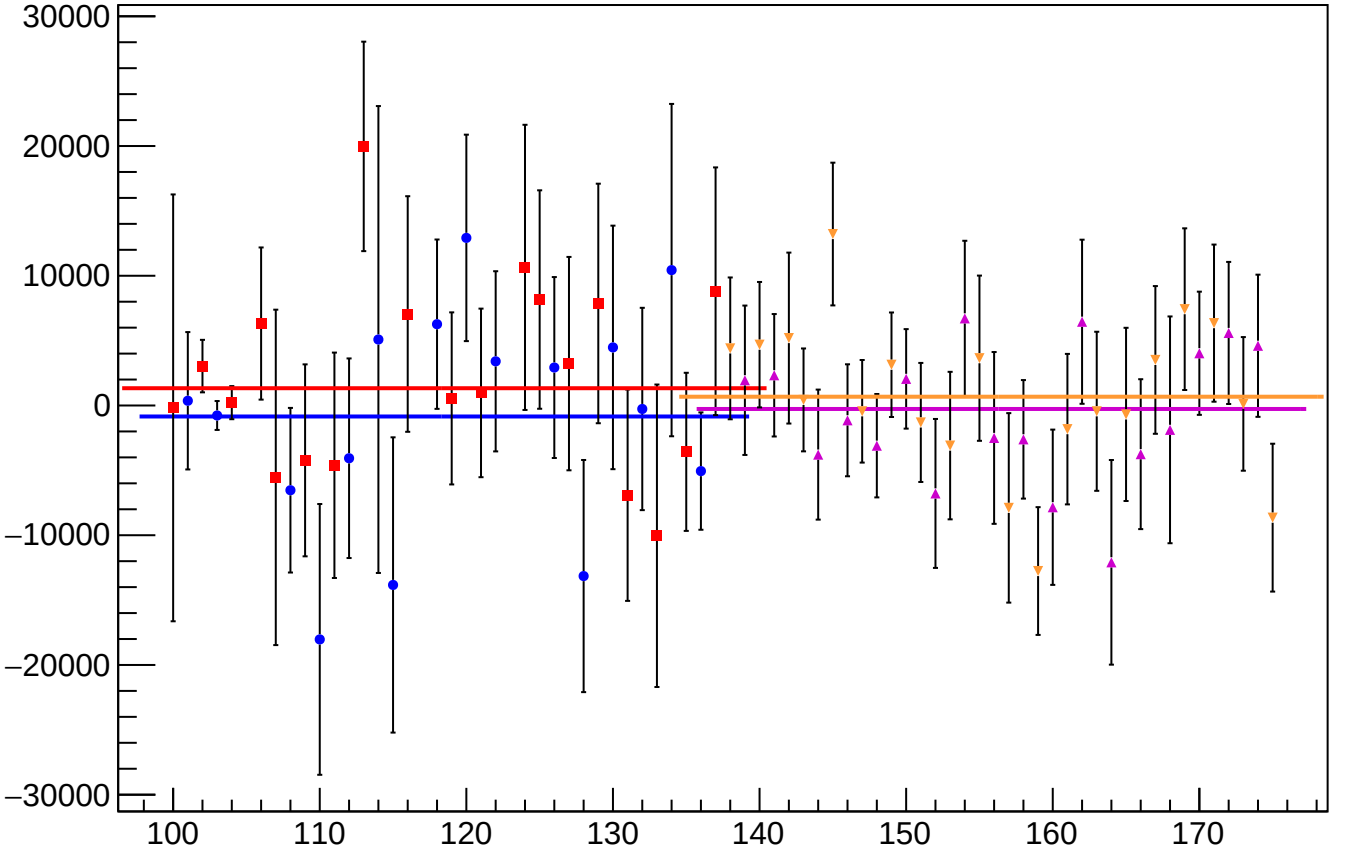
Left In: 1710.560+/-0.314 χ^2/NDF:20230.0/17

+ sign 1757.242+/-0.259 χ^2/NDF: 373461.8/35

All: 1759.544+/-0.186 χ^2/NDF: 852901.3/72

- sign 1761.955+/-0.266 χ^2/NDF: 479278.4/36

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 676.629+/-1181.968 χ^2/NDF:22.2/19

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

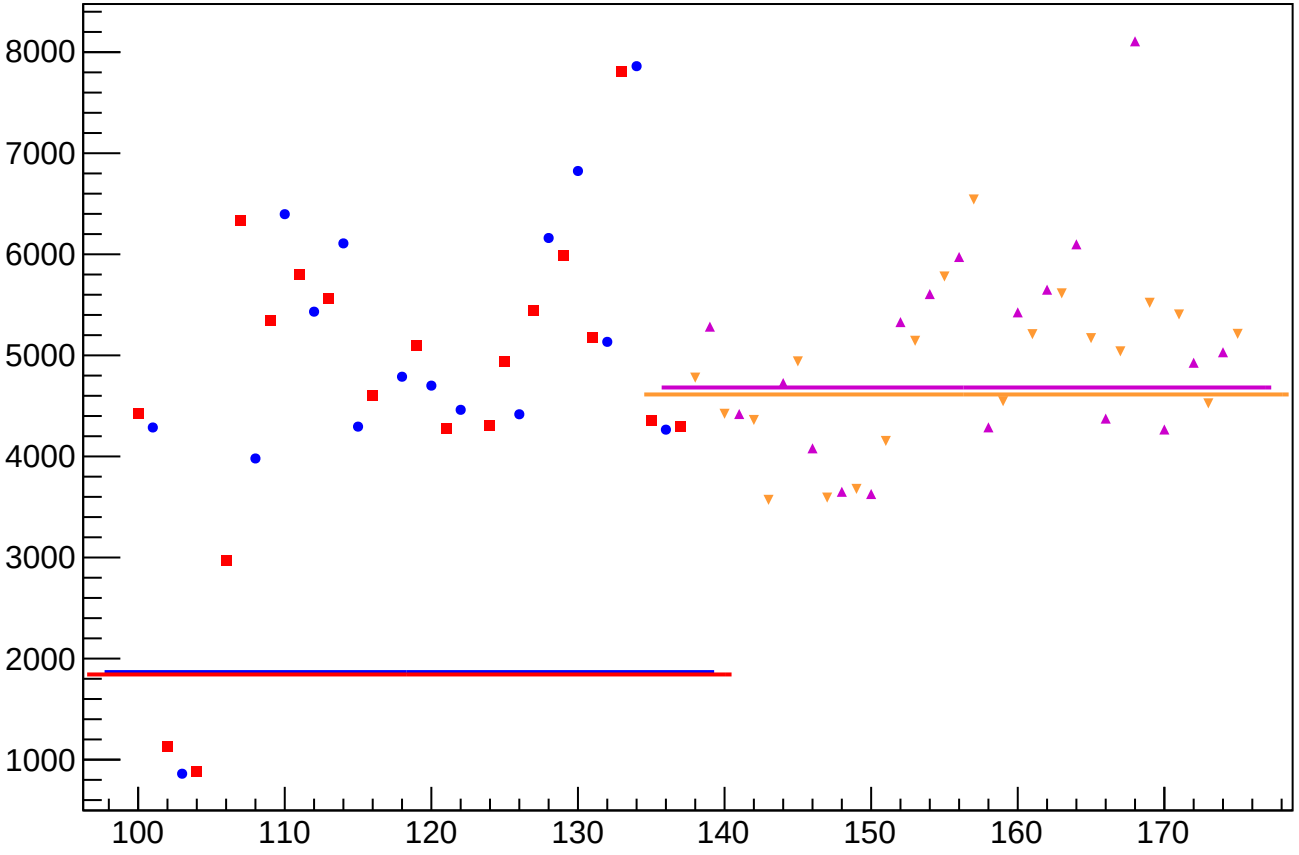
Left In: -268.156+/-1238.772 χ^2/NDF:13.0/17

\+ sign -239.525+/-746.515 χ^2/NDF: 37.1/35

All: 246.283+/-530.118 χ^2/NDF: 66.4/72

\- sign 740.471+/-752.926 χ^2/NDF: 28.5/36

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4613.299+/-0.836 χ^2/NDF:837654.8/19

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

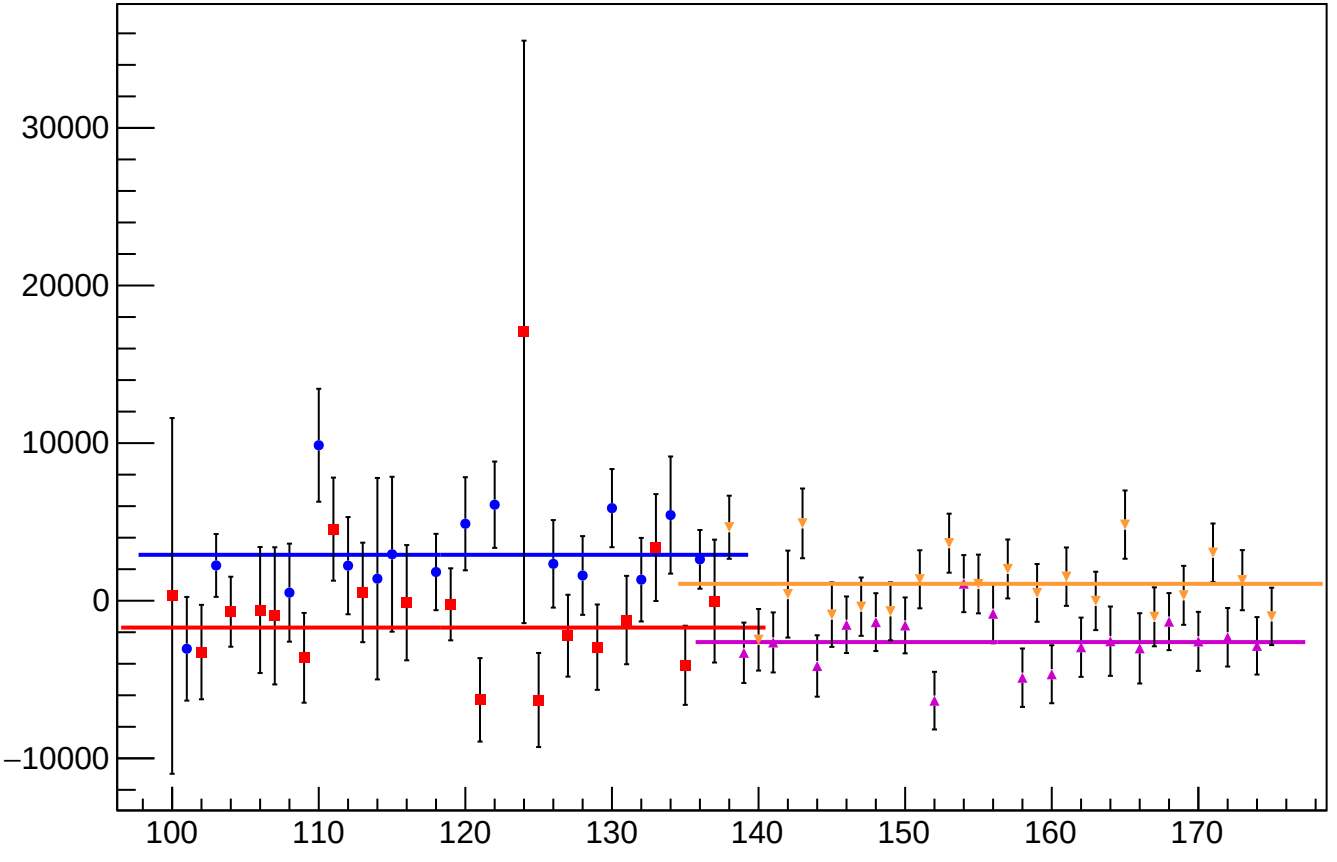
Left In: 4682.156+/-0.876 χ^2/NDF:998880.2/17

+ sign 2962.053+/-0.528 χ^2/NDF: 14181476.6/35

All: 2927.213+/-0.375 χ^2/NDF: 28272830.3/7

- sign 2891.771+/-0.532 χ^2/NDF: 14082565.8/36

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1072.312+/-431.994 χ^2/NDF:21.5/19

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

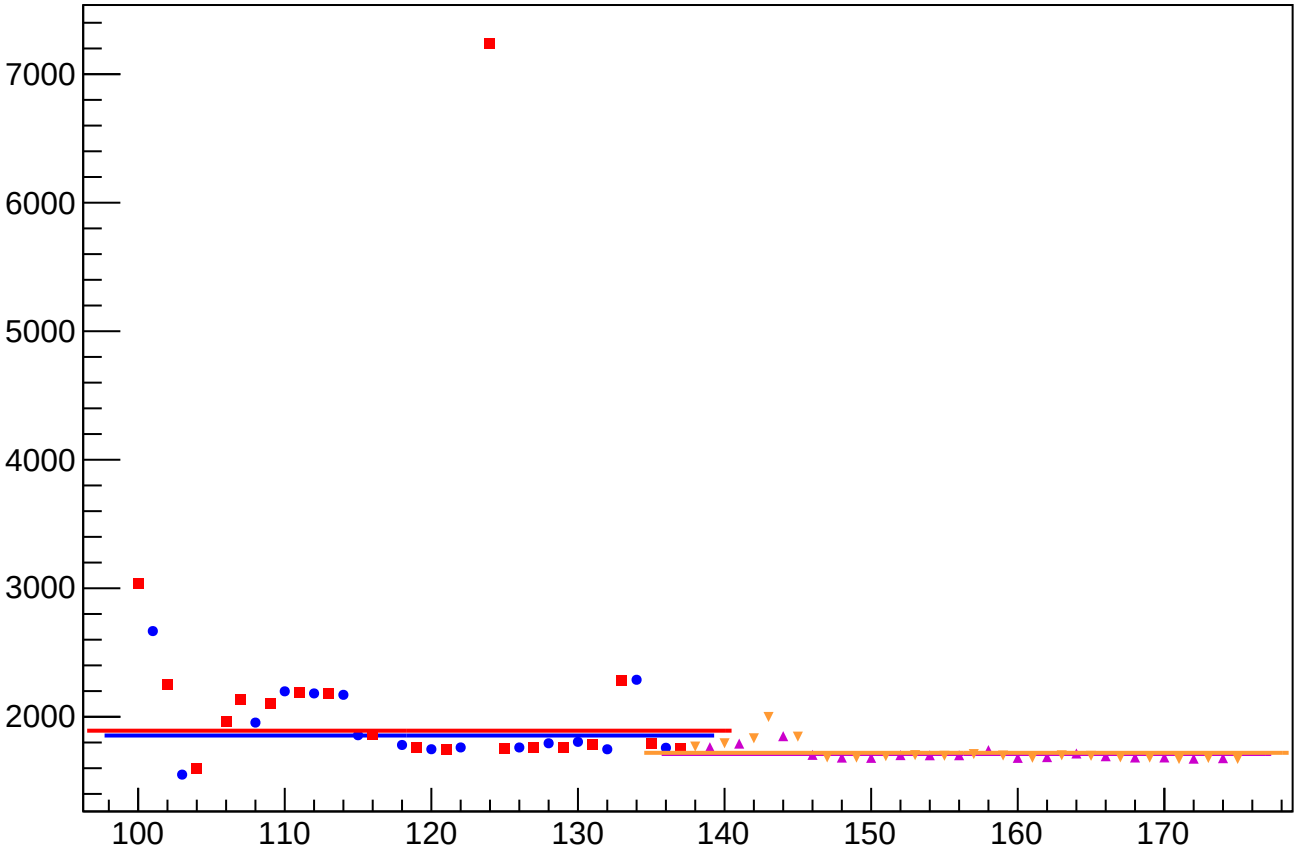
Left In: -2624.628+/-443.557 χ^2/NDF:14.5/17

+ sign 1585.242+/-366.903 χ^2/NDF: 39.0/35

All: -342.741+/-262.498 χ^2/NDF: 127.2/72

- sign -2364.394+/-375.711 χ^2/NDF: 31.6/36

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1719.745+/-0.305 χ^2/NDF:56061.6/19

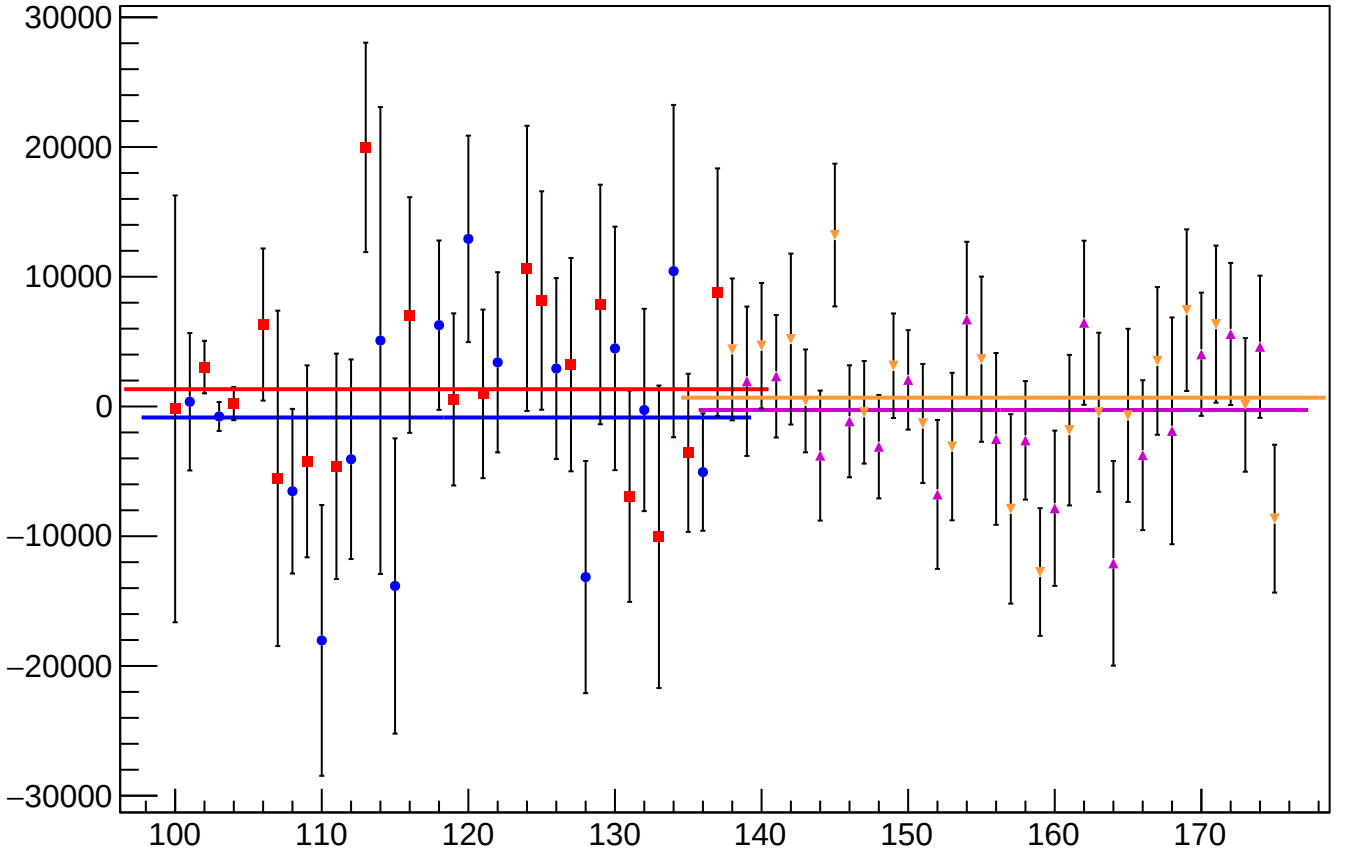
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1710.560+/-0.314 χ^2/NDF:20230.0/17

+ sign 1757.242+/-0.259 χ^2/NDF: 373461.8/35

All: 1759.544+/-0.186 χ^2/NDF: 852901.3/72

- sign 1761.955+/-0.266 χ^2/NDF: 479278.4/36



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 676.629+/-1181.968 χ^2/NDF:22.2/19

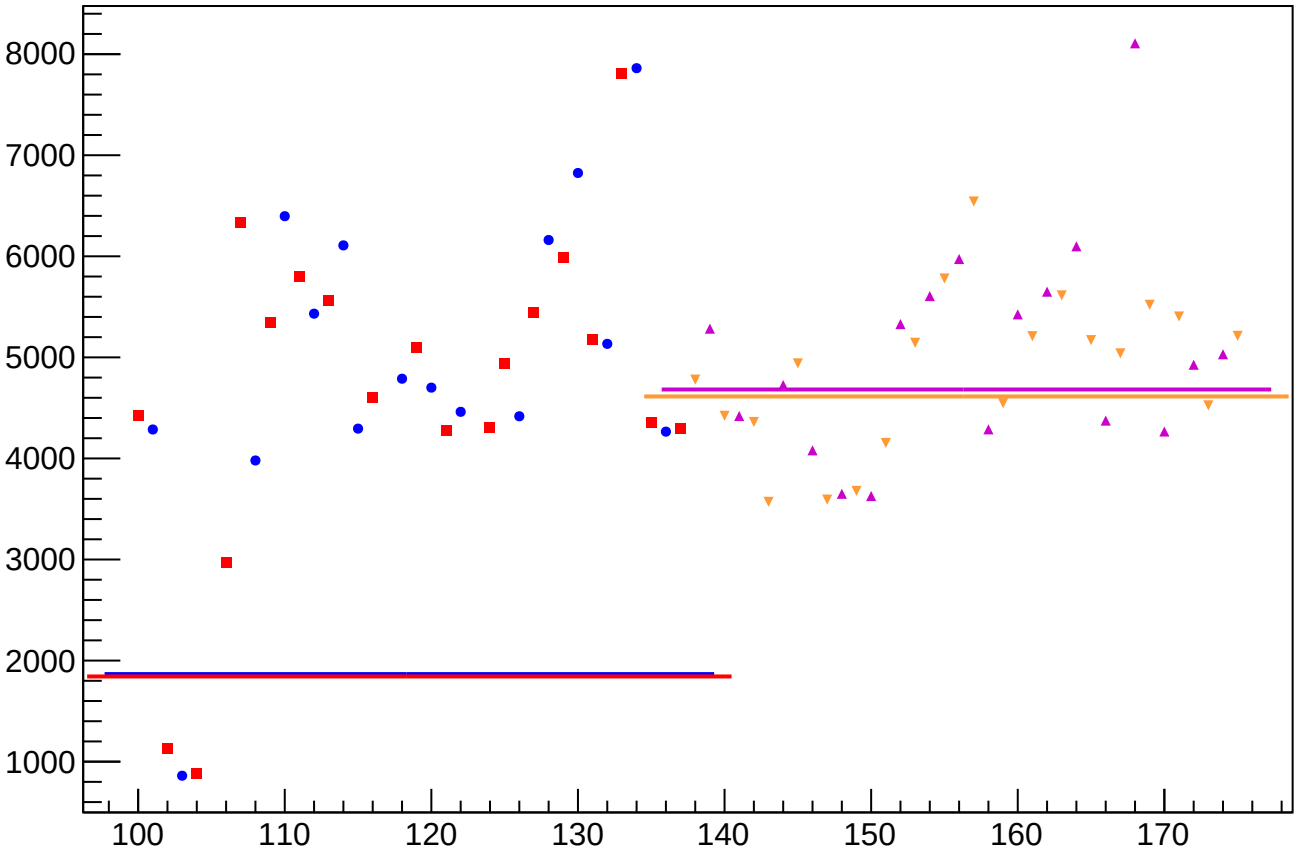
Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -268.156+/-1238.772 χ^2/NDF:13.0/17

+ sign -239.525+/-746.515 χ^2/NDF: 37.1/35

All: 246.283+/-530.118 χ^2/NDF: 66.4/72

- sign 740.471+/-752.926 χ^2/NDF: 28.5/36



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4613.299+/-0.836 χ^2/NDF:837654.8/19

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

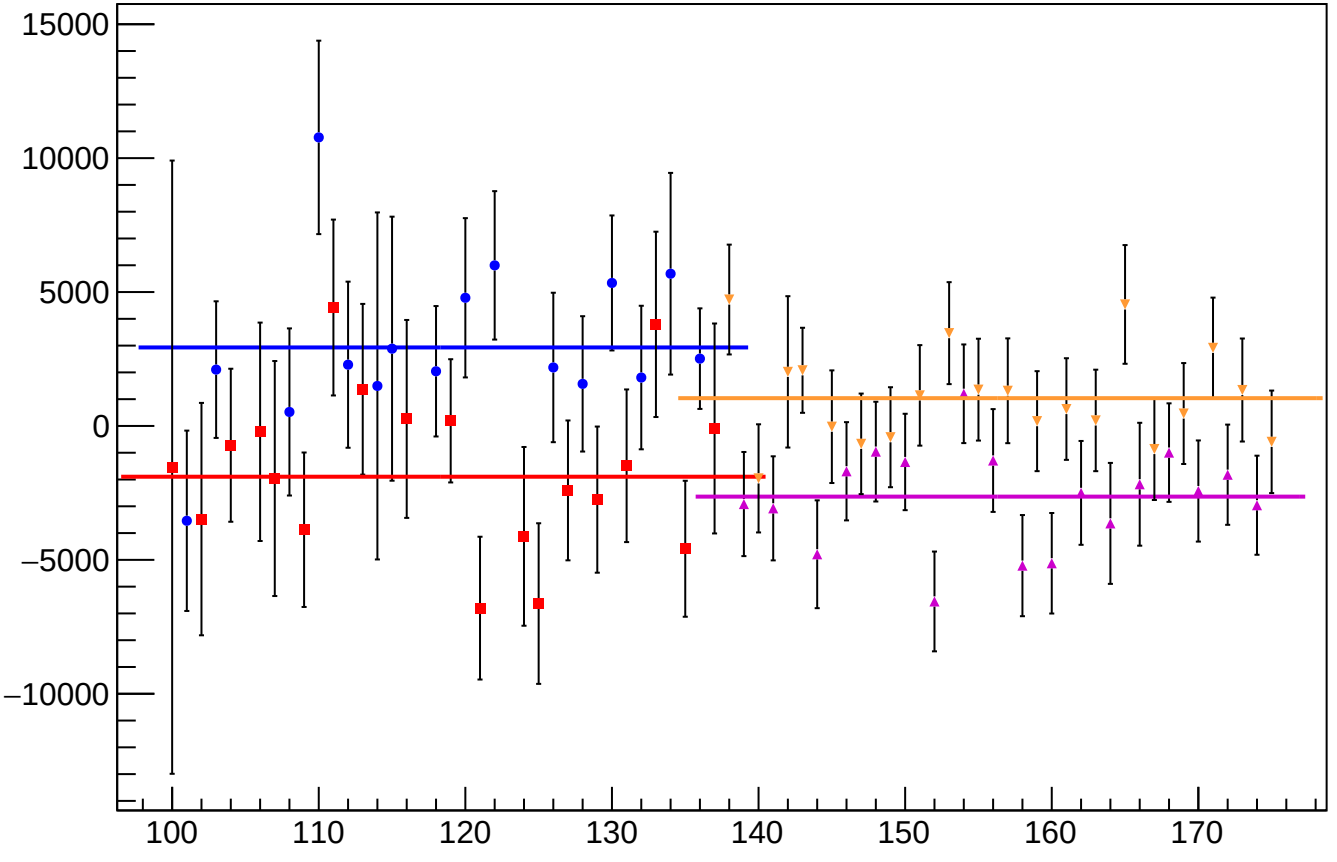
Left In: 4682.156+/-0.876 χ^2/NDF:998880.2/17

+ sign 2962.053+/-0.528 χ^2/NDF: 14181476.6/35

All: 2927.213+/-0.375 χ^2/NDF: 28272830.3/7

- sign 2891.771+/-0.532 χ^2/NDF: 14082565.8/36

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1037.536+/-433.085 χ^2/NDF:15.1/19

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

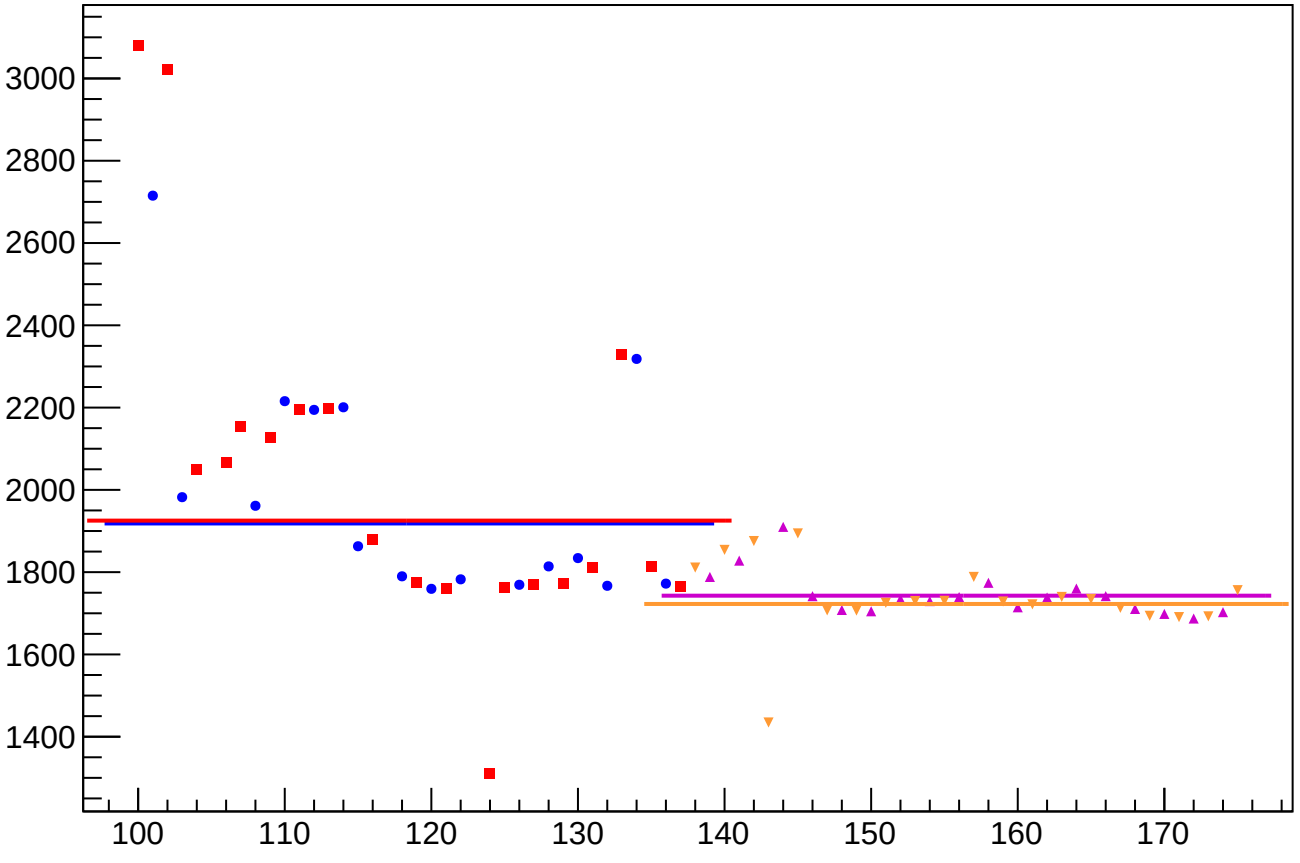
Left In: -2638.739+/-451.986 χ^2/NDF:17.0/17

+ sign 1542.525+/-370.888 χ^2/NDF: 33.2/35

All: -379.143+/-266.470 χ^2/NDF: 123.8/72

- sign -2429.455+/-383.101 χ^2/NDF: 35.1/36

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.662+/-0.306 χ^2/NDF:102246.3/19

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

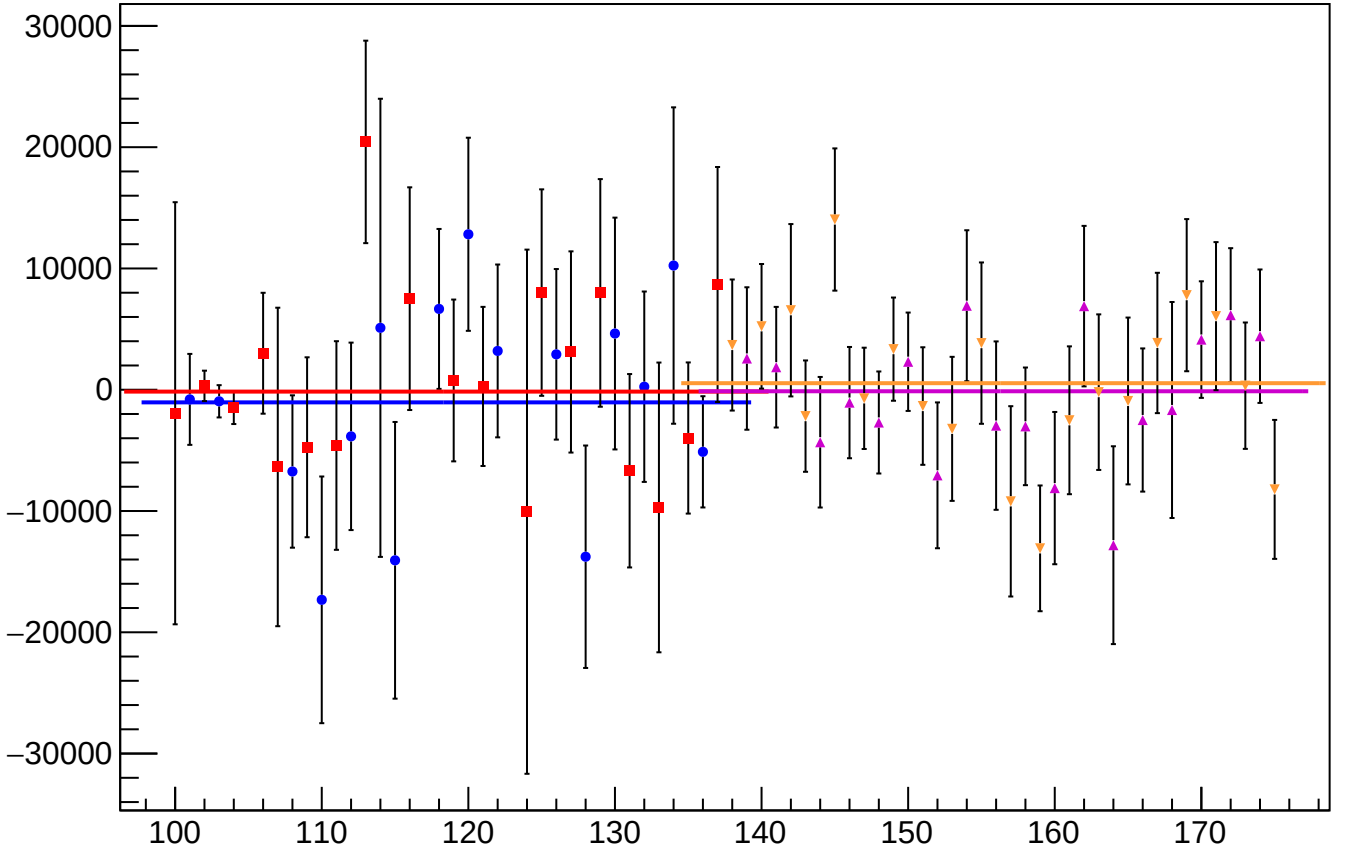
Left In: 1742.804+/-0.320 χ^2/NDF:26026.0/17

+ sign 1774.838+/-0.262 χ^2/NDF: 426720.5/35

All: 1784.228+/-0.188 χ^2/NDF: 886369.5/72

- sign 1794.241+/-0.271 χ^2/NDF: 457000.0/36

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 540.623+/-1240.542 χ^2/NDF:22.4/19

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

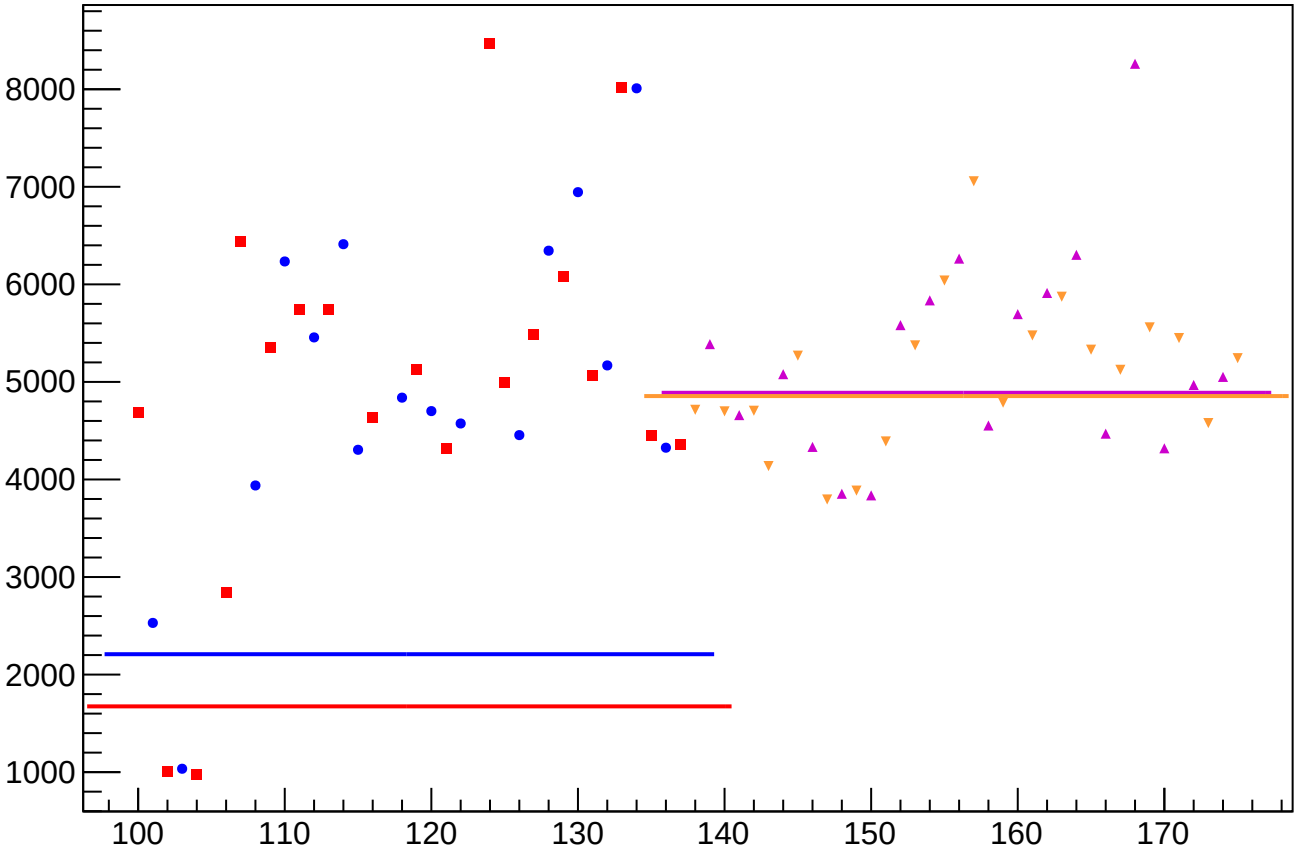
Left In: -125.992+/-1291.938 χ^2/NDF:13.0/17

+ sign -365.077+/-811.289 χ^2/NDF: 37.2/35

All: -239.445+/-530.711 χ^2/NDF: 64.0/72

- sign -145.470+/-701.667 χ^2/NDF: 26.7/36

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4854.869+/-0.877 χ^2/NDF:694584.8/19

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

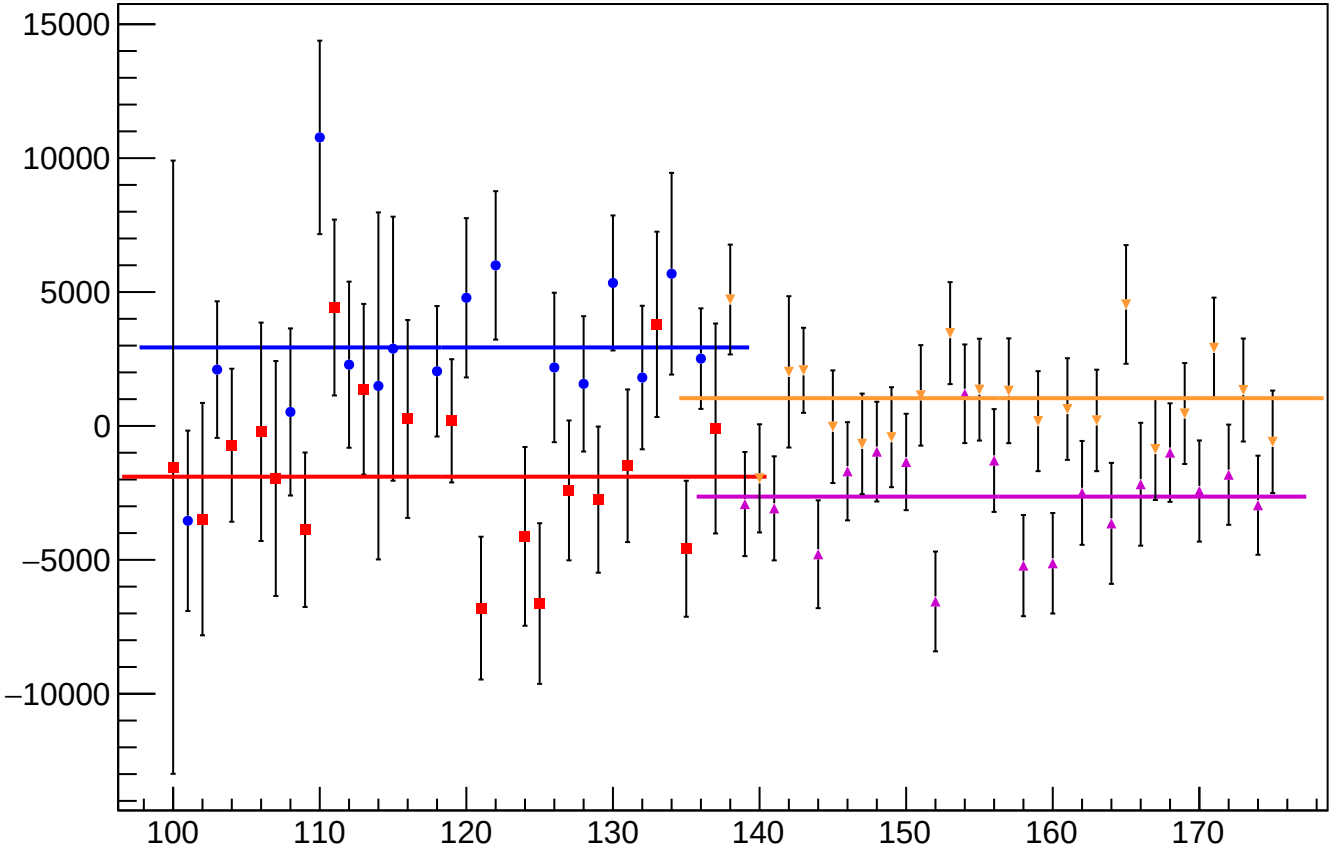
Left In: 4888.523+/-0.914 χ^2/NDF:934981.8/17

+ sign 3340.558+/-0.574 χ^2/NDF: 11400804.9/35

All: 2929.661+/-0.375 χ^2/NDF: 28814360.2/7

- sign 2622.303+/-0.496 χ^2/NDF: 16516764.6/36

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1037.529+/-433.085 χ^2/NDF:15.1/19

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

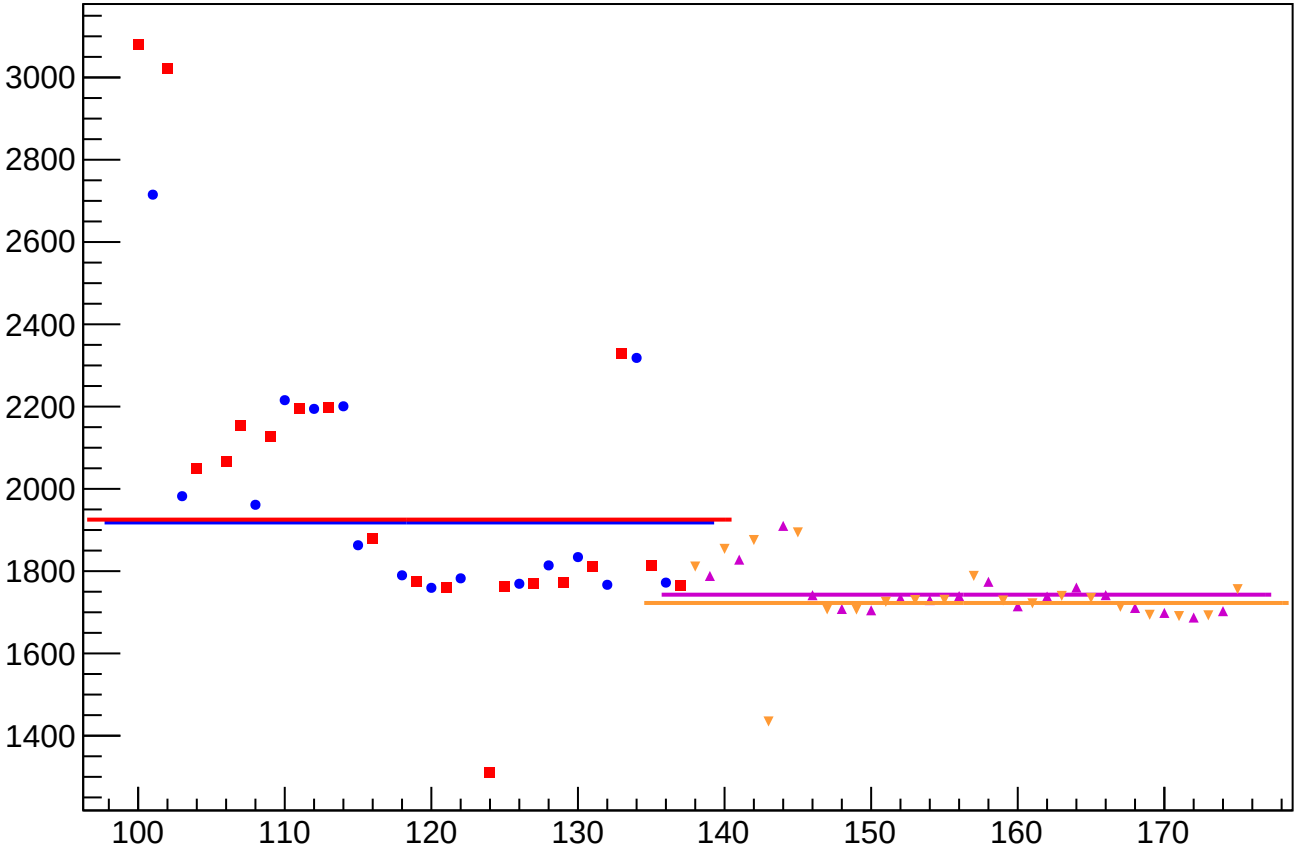
Left In: -2638.742+/-451.987 χ^2/NDF:17.0/17

+ sign 1542.521+/-370.888 χ^2/NDF: 33.2/35

All: -379.146+/-266.470 χ^2/NDF: 123.8/72

- sign -2429.459+/-383.101 χ^2/NDF: 35.1/36

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.663+/-0.306 χ^2/NDF:102245.5/19

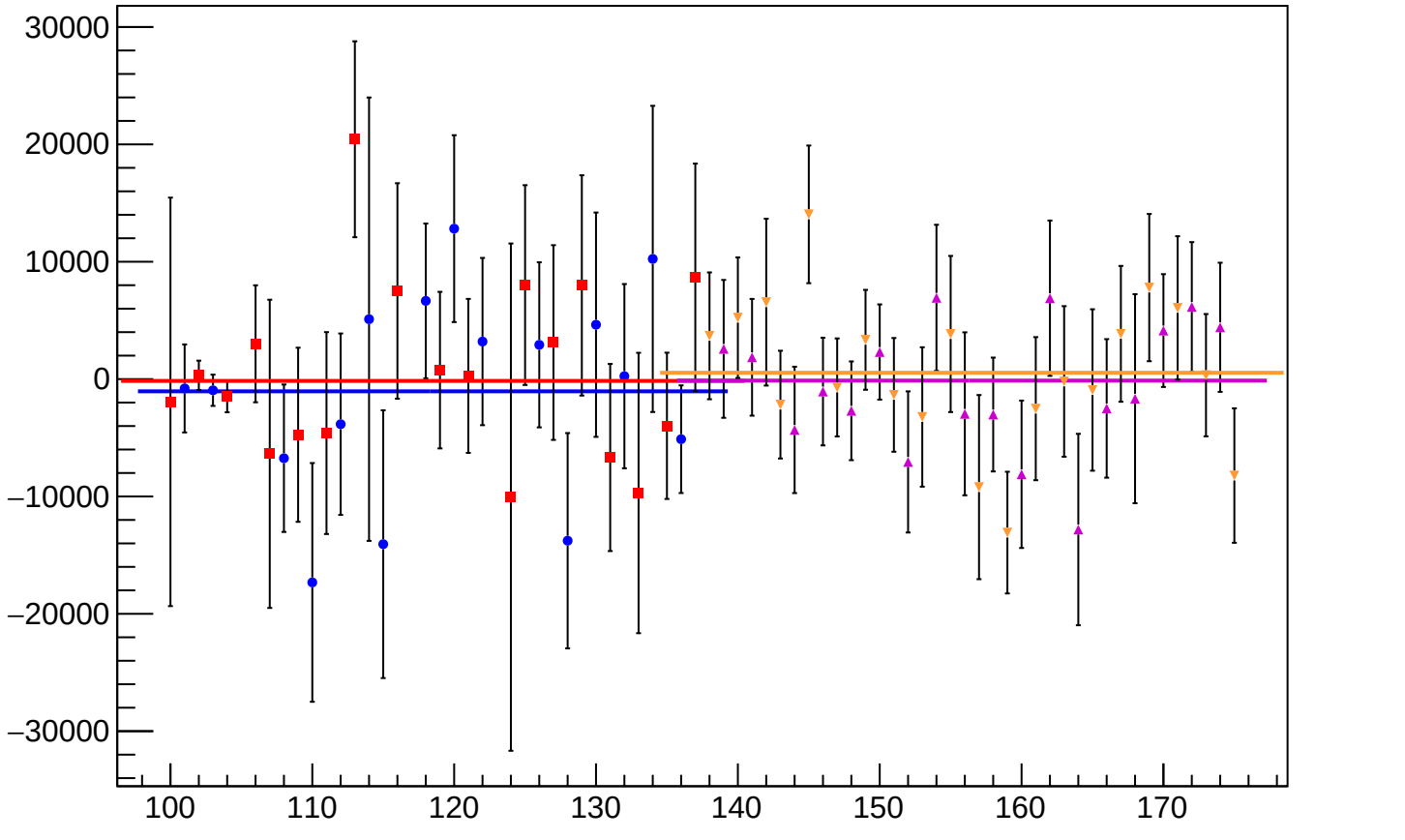
Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1742.805+/-0.320 χ^2/NDF:26026.0/17

+ sign 1774.839+/-0.262 χ^2/NDF: 426718.1/35

All: 1784.228+/-0.188 χ^2/NDF: 886364.5/72

- sign 1794.242+/-0.271 χ^2/NDF: 456997.6/36



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 540.621+/-1240.544 χ^2/NDF:22.4/19

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

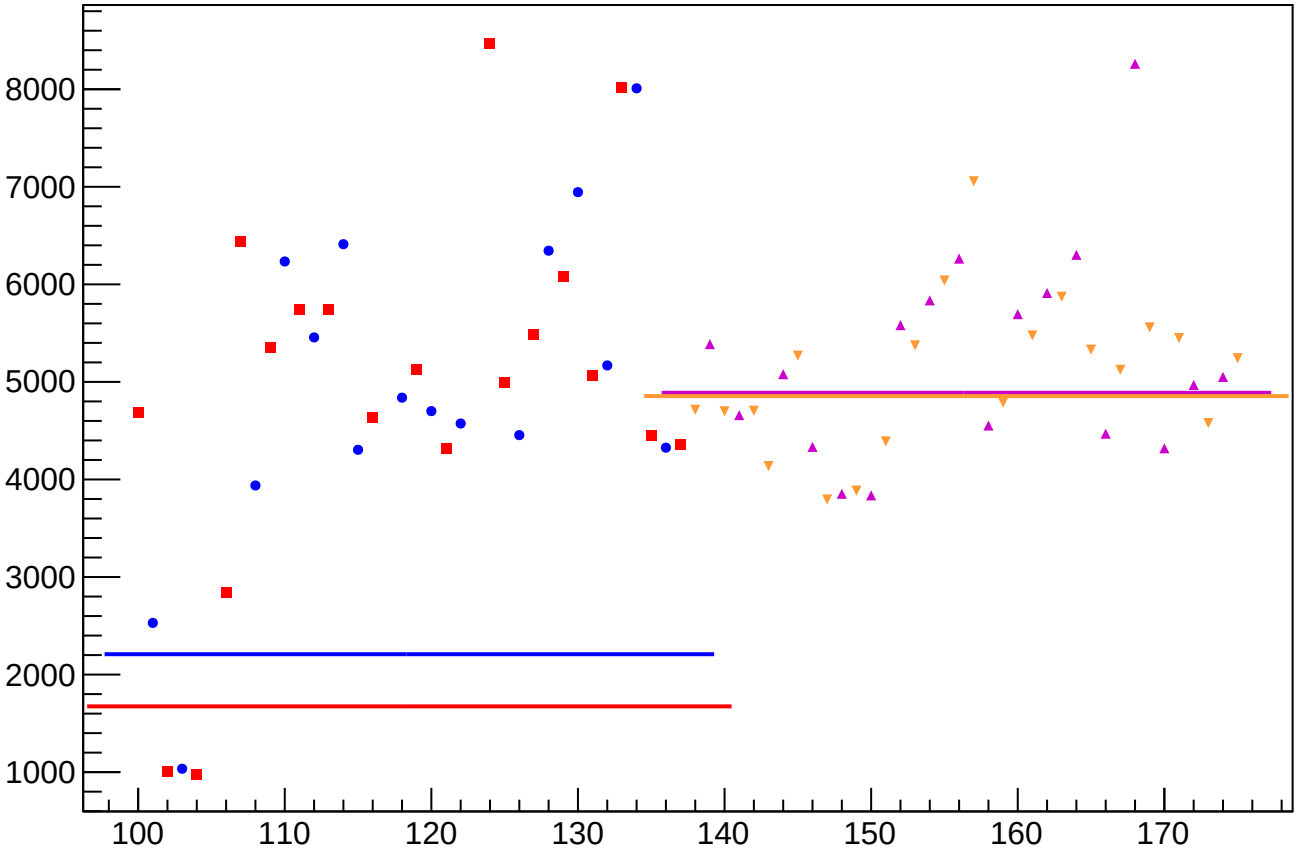
Left In: -125.990+/-1291.940 χ^2/NDF:13.0/17

+ sign -365.079+/-811.289 χ^2/NDF: 37.2/35

All: -239.443+/-530.711 χ^2/NDF: 64.0/72

- sign -145.466+/-701.667 χ^2/NDF: 26.7/36

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4854.877+/-0.877 χ^2/NDF:694584.2/19

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

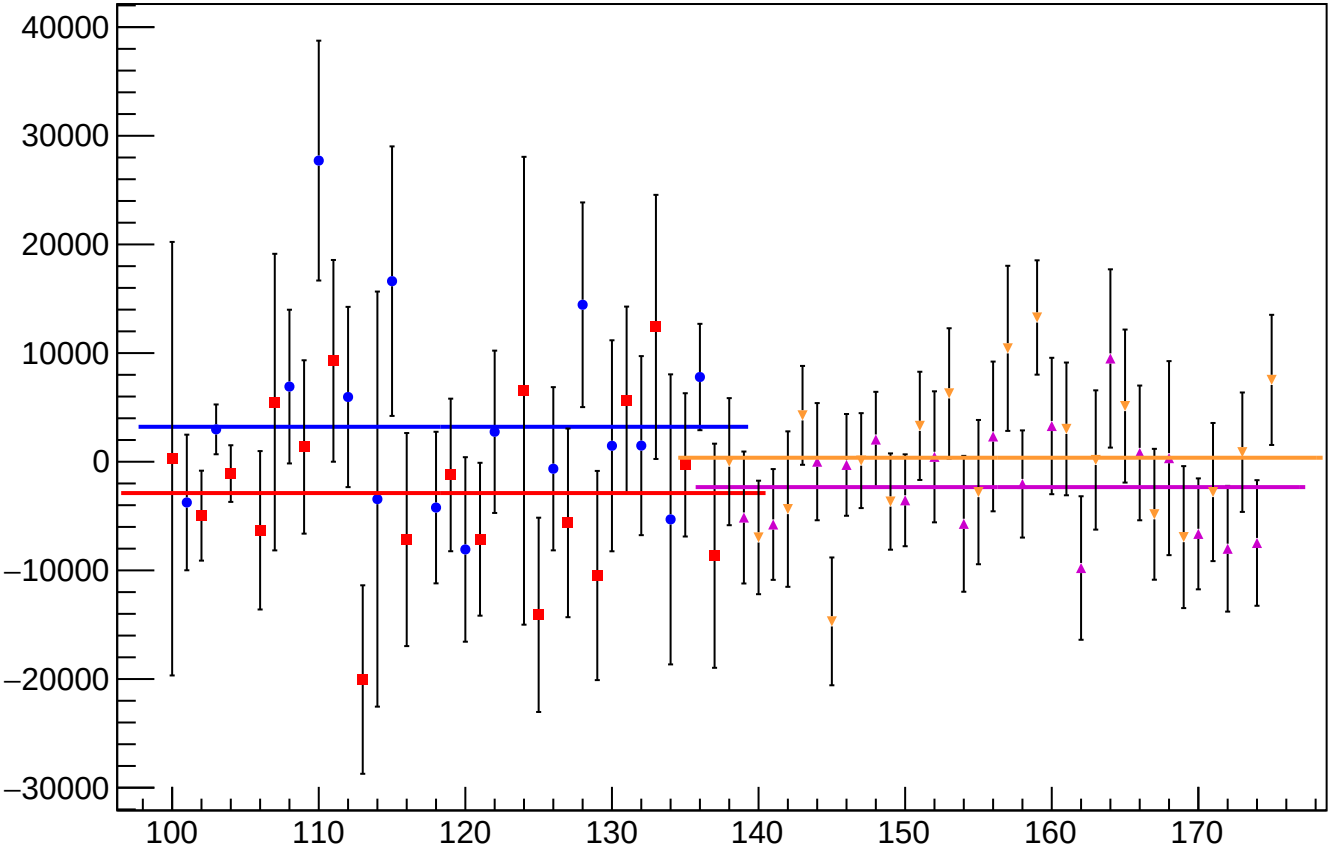
Left In: 4888.531+/-0.914 χ^2/NDF:934982.3/17

+ sign 3340.558+/-0.574 χ^2/NDF: 11400825.5/35

All: 2929.660+/-0.375 χ^2/NDF: 28814400.8/7

- sign 2622.302+/-0.496 χ^2/NDF: 16516783.1/36

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 367.810+/-1271.809 χ^2/NDF:24.2/19

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

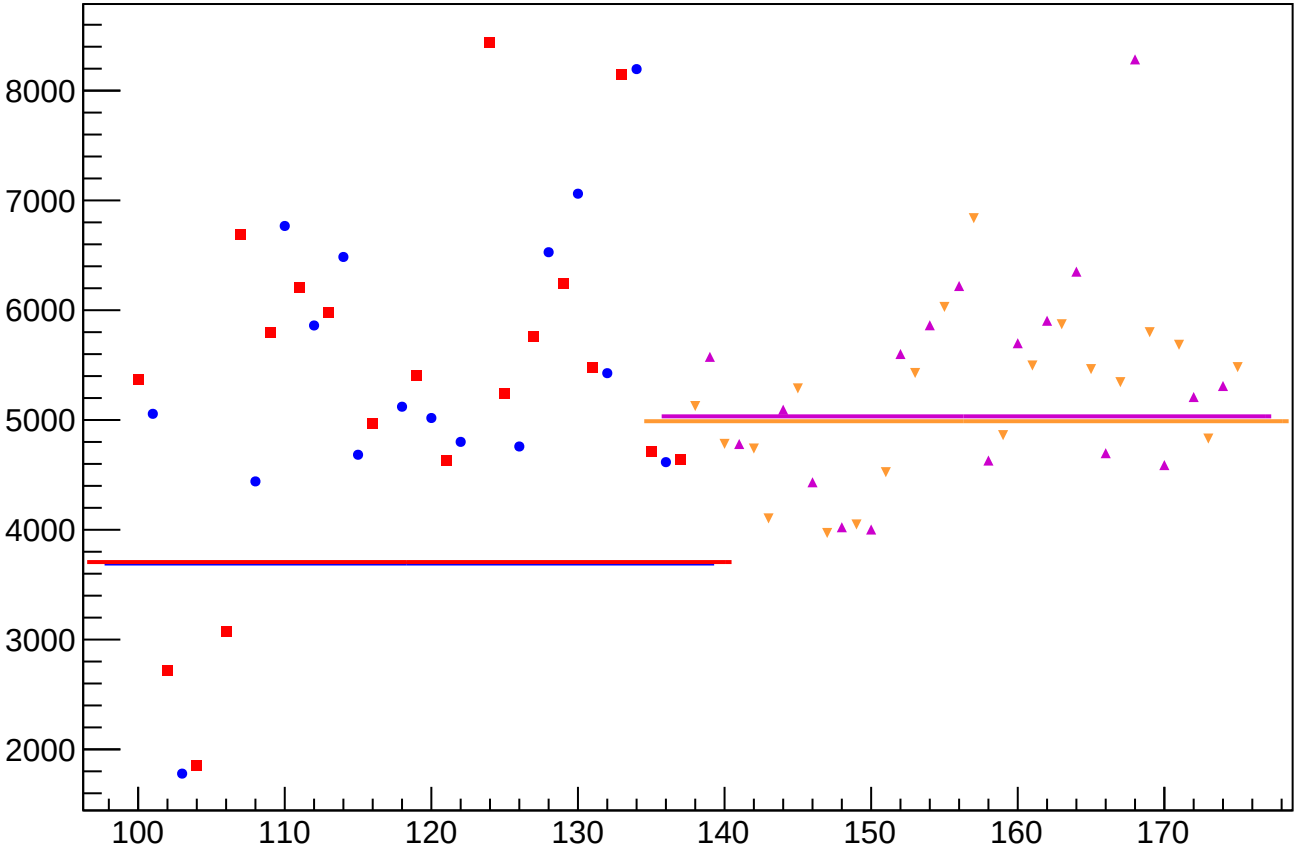
Left In: -2335.035+/-1326.304 χ^2/NDF:10.1/17

+ sign 1523.228+/-980.439 χ^2/NDF: 40.0/35

All: -464.306+/-702.924 χ^2/NDF: 72.0/72

- sign -2566.466+/-1008.315 χ^2/NDF: 23.5/36

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4988.903+/-0.899 χ^2/NDF:620788.0/19

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

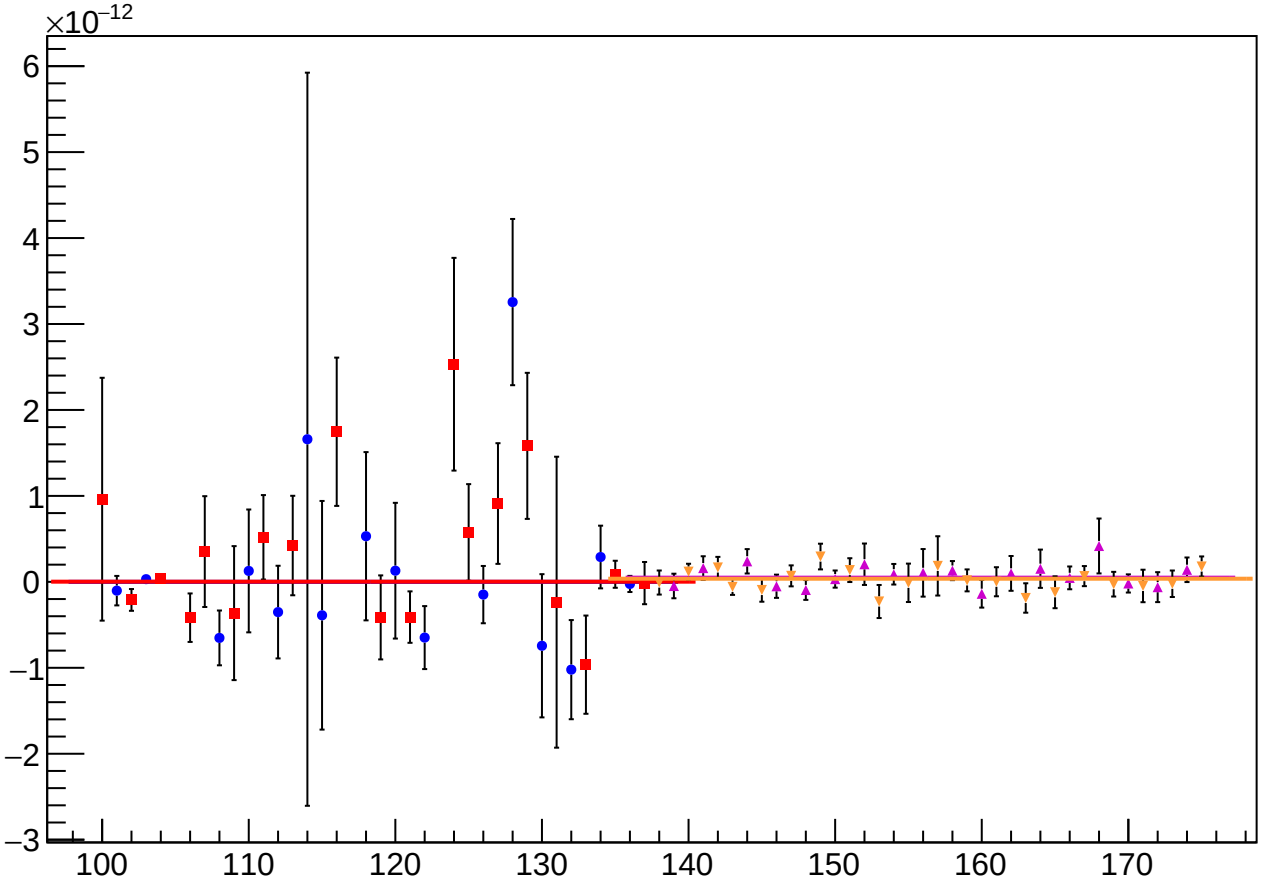
Left In: 5033.288+/-0.938 χ^2/NDF:805702.3/17

+ sign 4463.066+/-0.693 χ^2/NDF: 4349144.0/35

All: 4464.822+/-0.496 χ^2/NDF: 8694410.8/72

- sign 4466.663+/-0.710 χ^2/NDF: 4345253.7/36

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/19

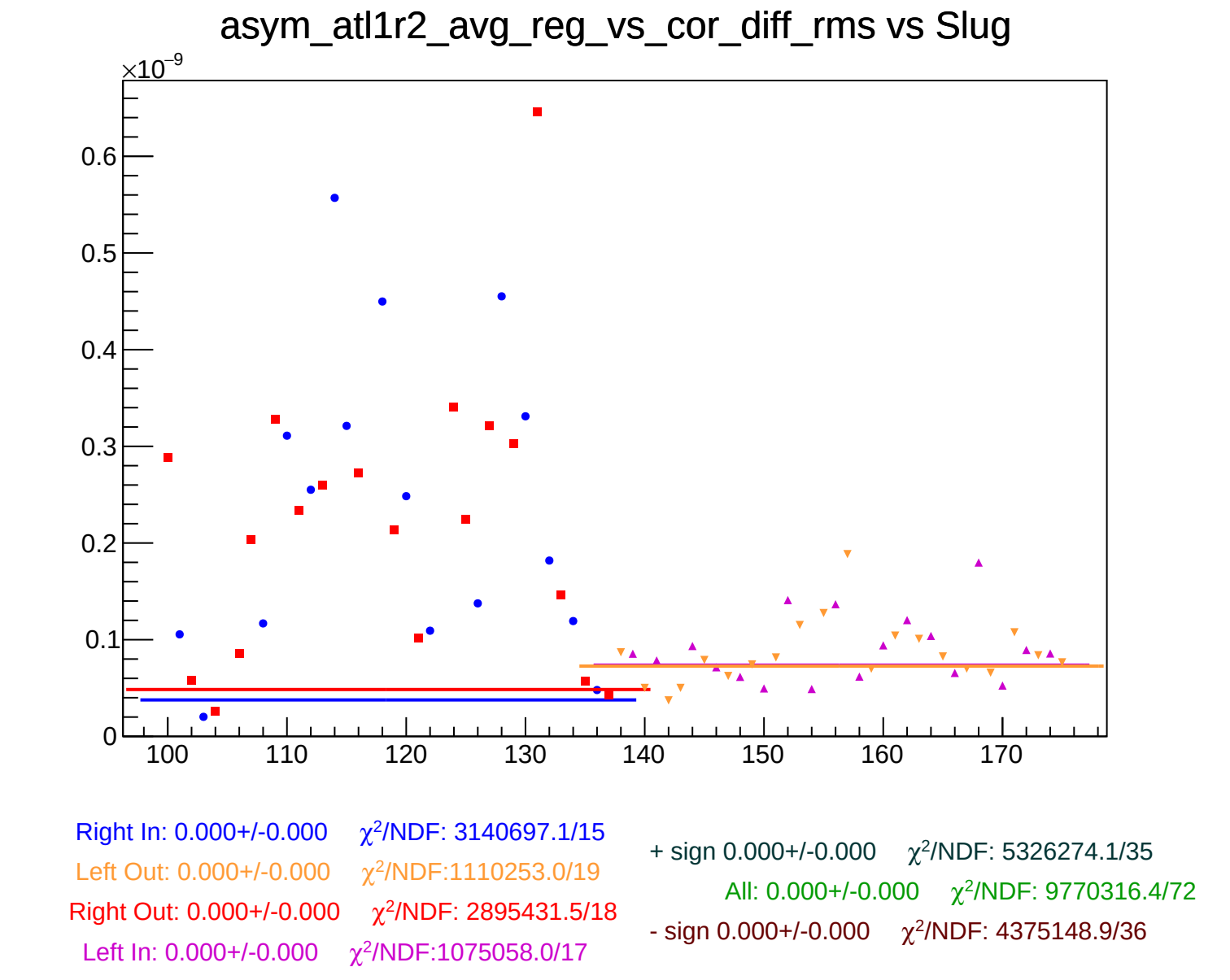
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

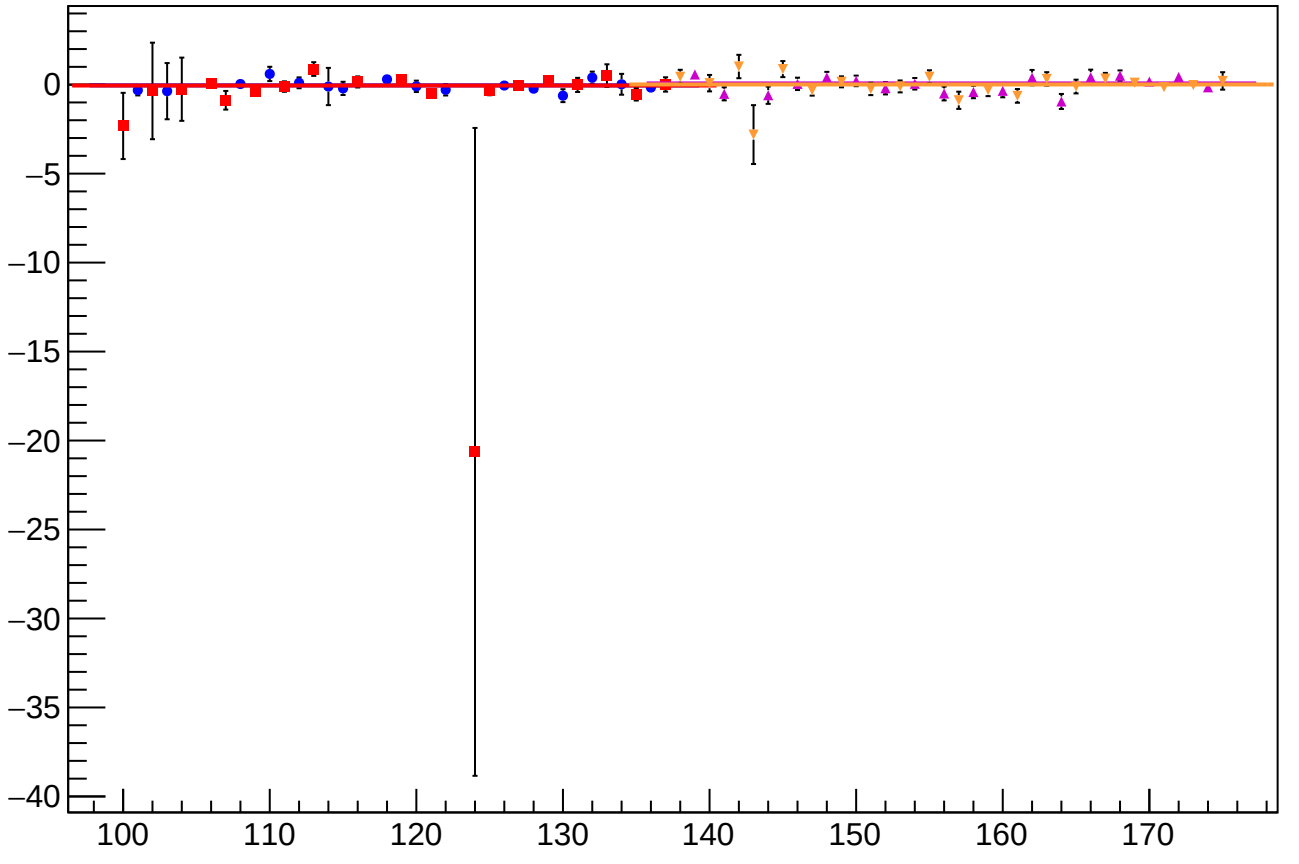
Left In: 0.000+/-0.000 χ^2/NDF:10.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 40.2/35

All: 0.000+/-0.000 χ^2/NDF: 79.6/72

- sign 0.000+/-0.000 χ^2/NDF: 39.2/36


asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1110253.0/19
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:1075058.0/17
+ sign 0.000+/-0.000 χ²/NDF: 5326274.1/35
All: 0.000+/-0.000 χ²/NDF: 9770316.4/72
- sign 0.000+/-0.000 χ²/NDF: 4375148.9/36



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.010+/-0.076 χ^2/NDF:23.3/19

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

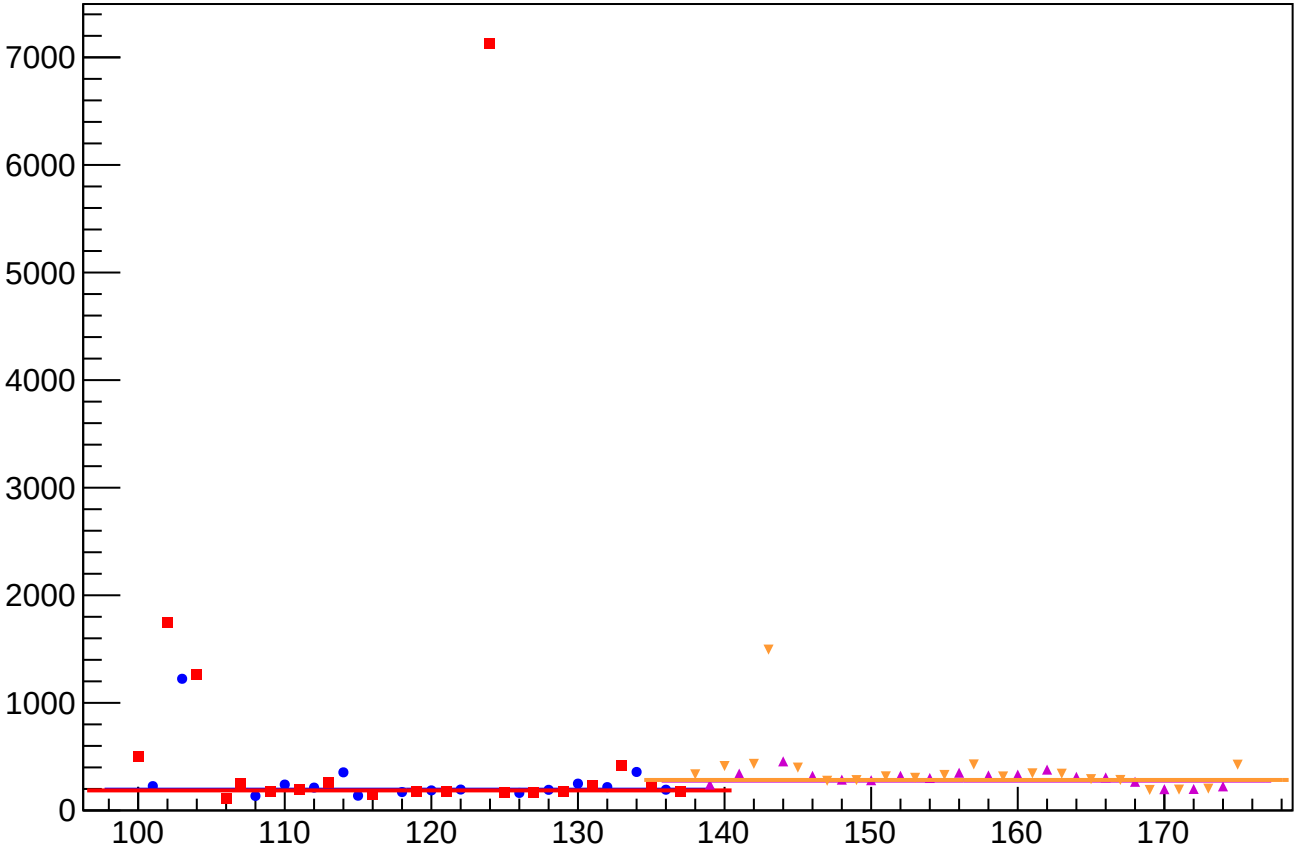
Left In: 0.070+/-0.075 χ^2/NDF:27.8/17

+ sign -0.015+/-0.054 χ^2/NDF: 35.2/35

All: -0.001+/-0.038 χ^2/NDF: 87.3/72

- sign 0.013+/-0.054 χ^2/NDF: 52.0/36

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 283.470+/-0.054 χ^2/NDF:2963202.7/19

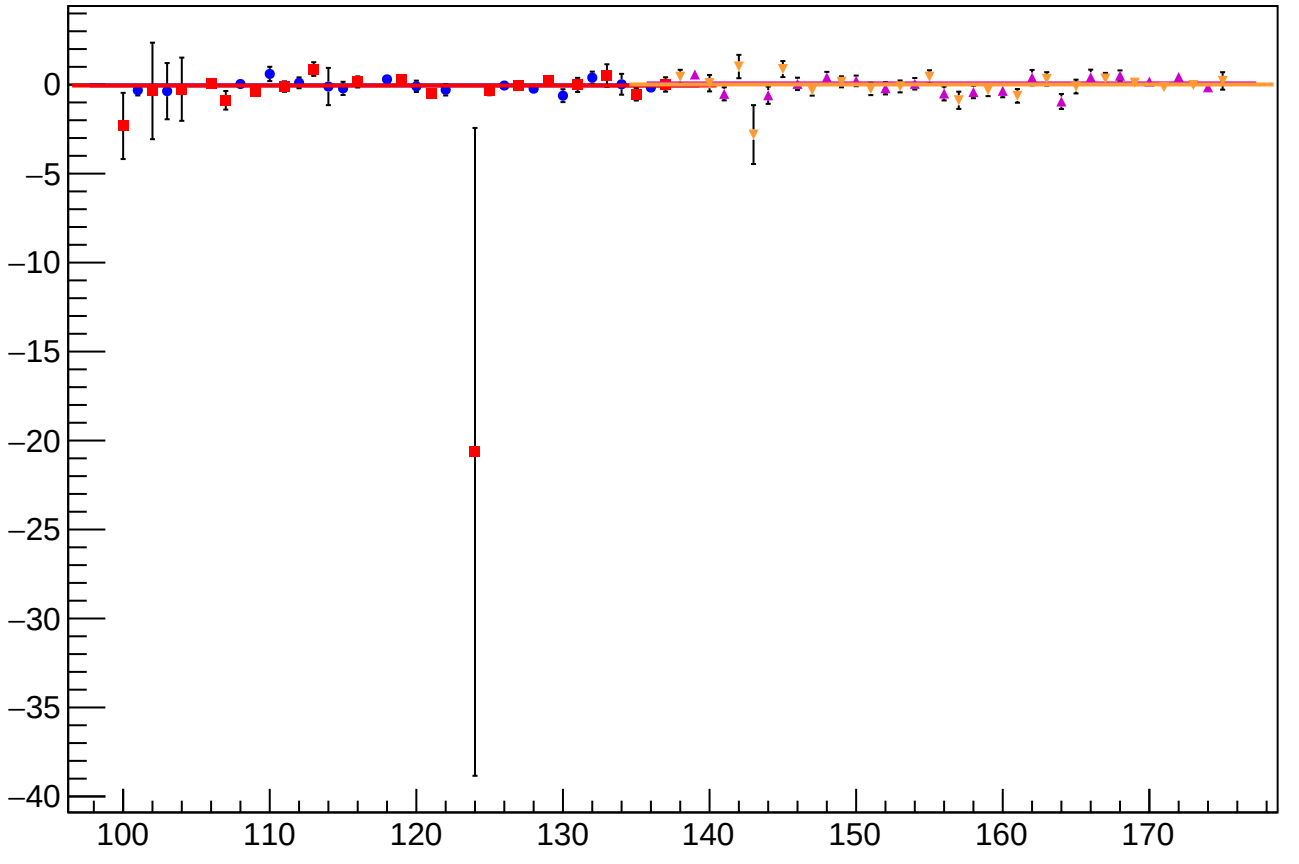
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 277.369+/-0.053 χ^2/NDF:1323455.3/17

+ sign 239.298+/-0.038 χ^2/NDF: 5746005.0/35

All: 236.721+/-0.027 χ^2/NDF: 10957968.4/72

- sign 234.153+/-0.038 χ^2/NDF: 5203003.8/36



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.010+/-0.076 χ^2/NDF:23.3/19

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

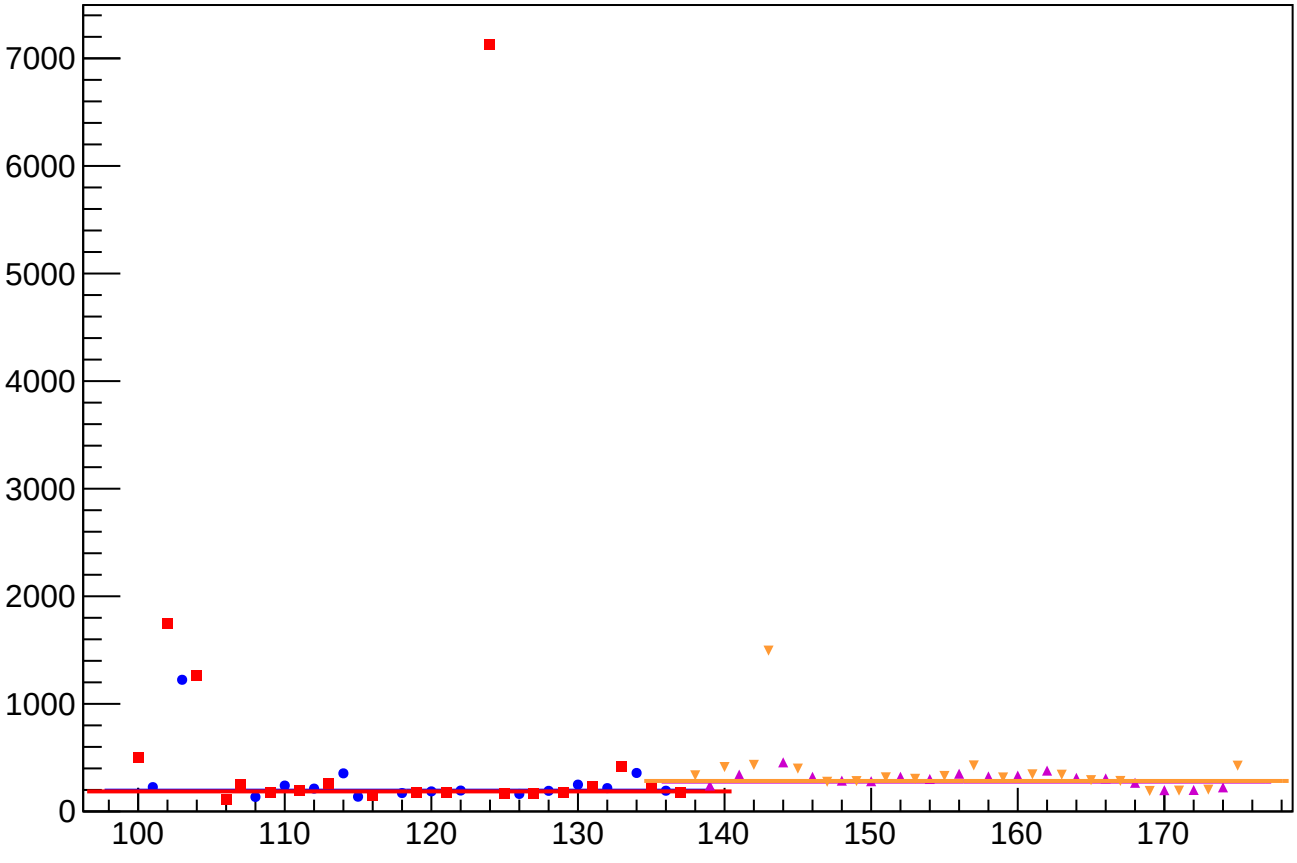
Left In: 0.070+/-0.075 χ^2/NDF:27.8/17

+ sign -0.015+/-0.054 χ^2/NDF: 35.2/35

All: -0.001+/-0.038 χ^2/NDF: 87.3/72

- sign 0.013+/-0.054 χ^2/NDF: 52.0/36

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 283.470+/-0.054 χ^2/NDF:2963202.7/19

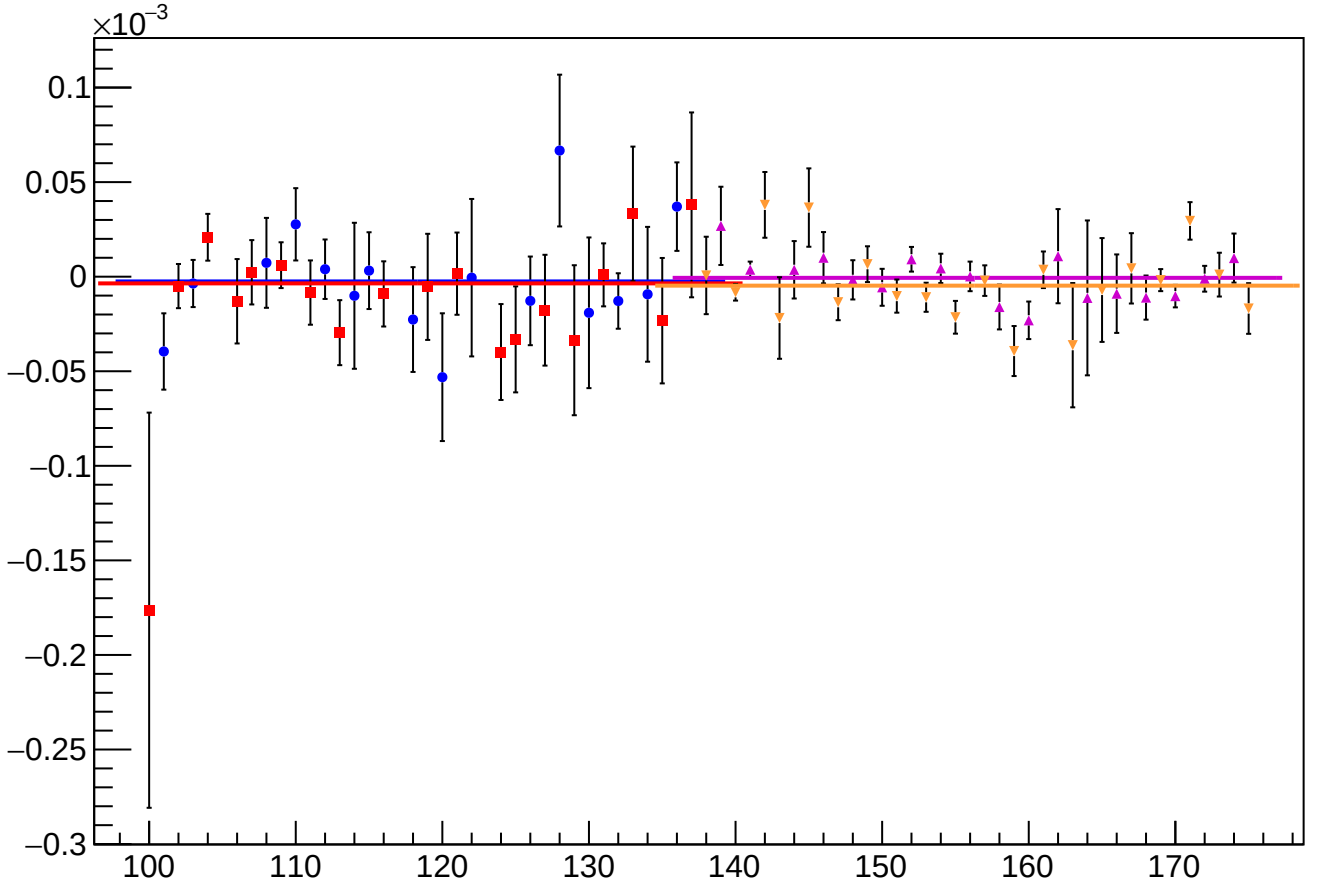
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 277.369+/-0.053 χ^2/NDF:1323455.3/17

+ sign 239.298+/-0.038 χ^2/NDF: 5746005.0/35

All: 236.721+/-0.027 χ^2/NDF: 10957968.4/72

- sign 234.153+/-0.038 χ^2/NDF: 5203003.8/36



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.5/19

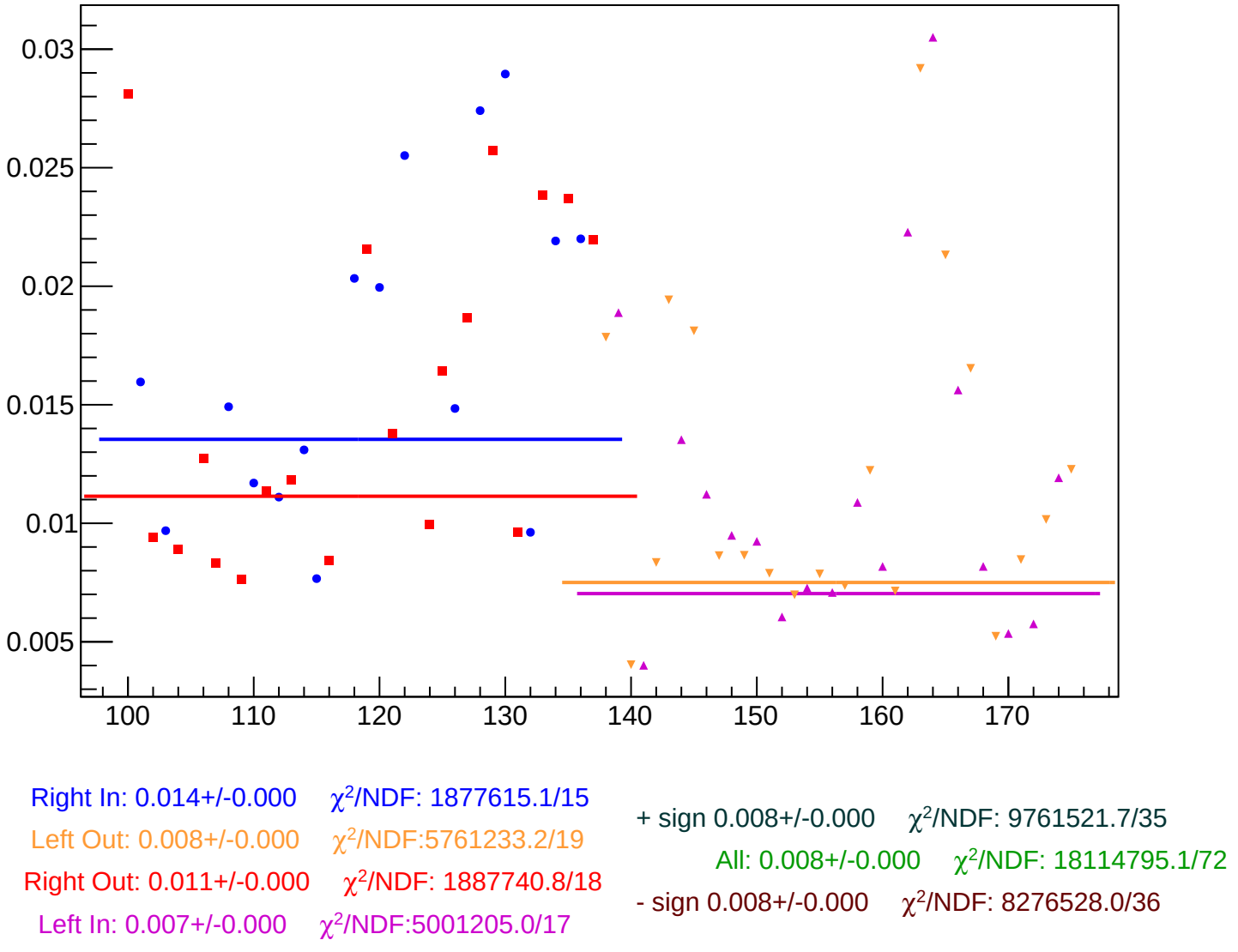
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

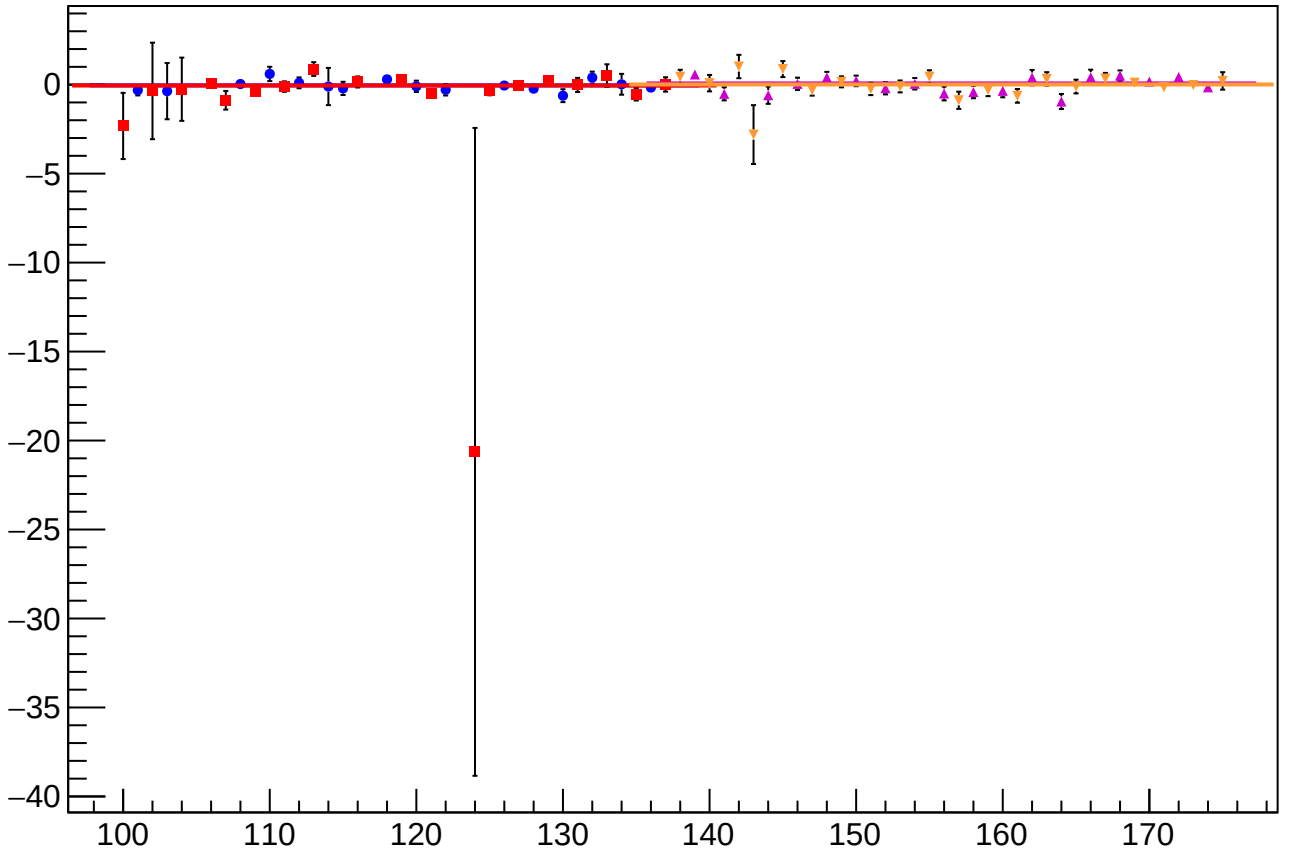
Left In: -0.000+/-0.000 χ^2/NDF:17.8/17

+ sign -0.000+/-0.000 χ^2/NDF: 56.5/35

All: -0.000+/-0.000 χ^2/NDF: 92.4/72

- sign -0.000+/-0.000 χ^2/NDF: 34.4/36


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.014+/-0.000 χ²/NDF: 1877615.1/15
Left Out: 0.008+/-0.000 χ²/NDF:5761233.2/19
Right Out: 0.011+/-0.000 χ²/NDF: 1887740.8/18
Left In: 0.007+/-0.000 χ²/NDF:5001205.0/17
+ sign 0.008+/-0.000 χ²/NDF: 9761521.7/35
All: 0.008+/-0.000 χ²/NDF: 18114795.1/72
- sign 0.008+/-0.000 χ²/NDF: 8276528.0/36



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.010+/-0.076 χ^2/NDF:23.3/19

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

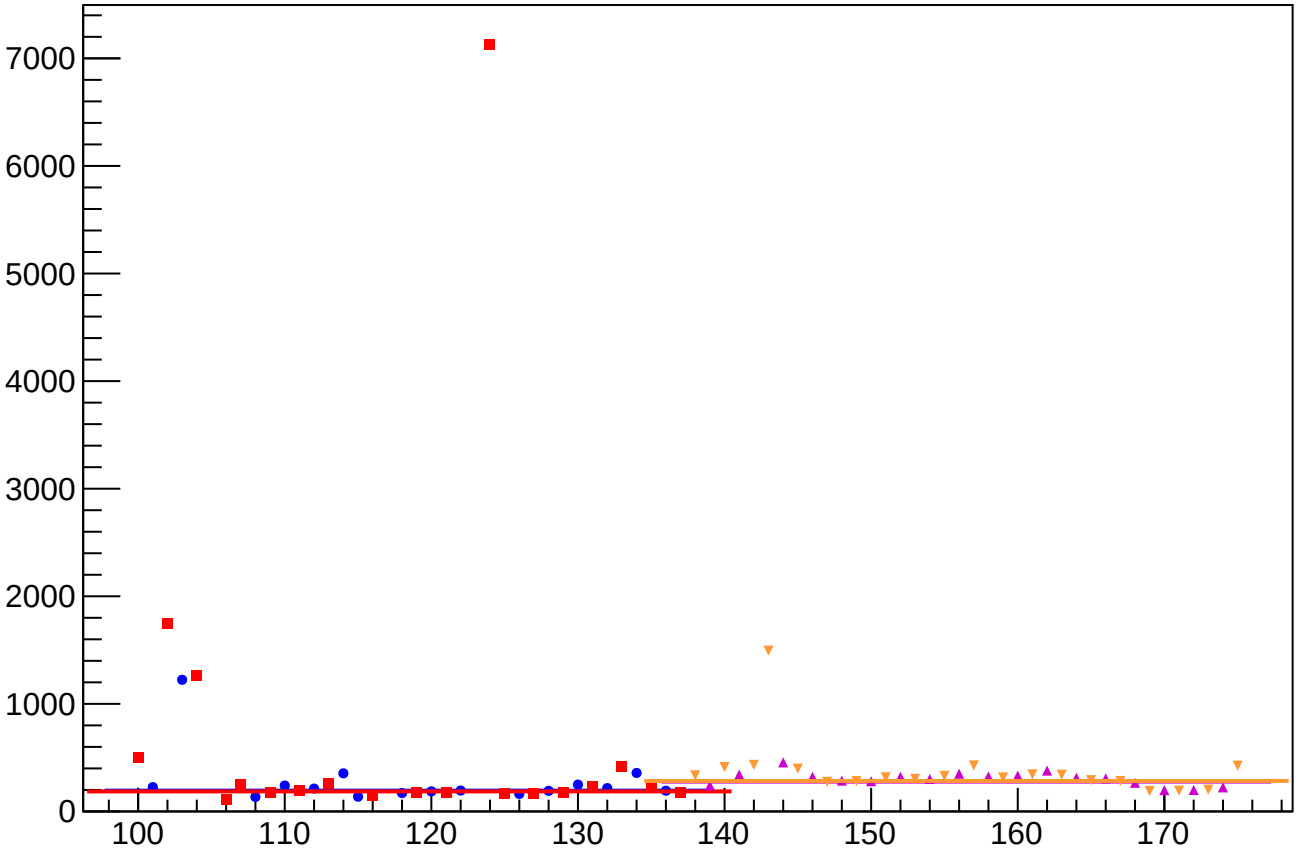
Left In: 0.070+/-0.075 χ^2/NDF:27.8/17

+ sign -0.015+/-0.054 χ^2/NDF: 35.2/35

All: -0.001+/-0.038 χ^2/NDF: 87.3/72

- sign 0.013+/-0.054 χ^2/NDF: 52.0/36

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 283.472+/-0.054 χ^2/NDF:2963269.9/19

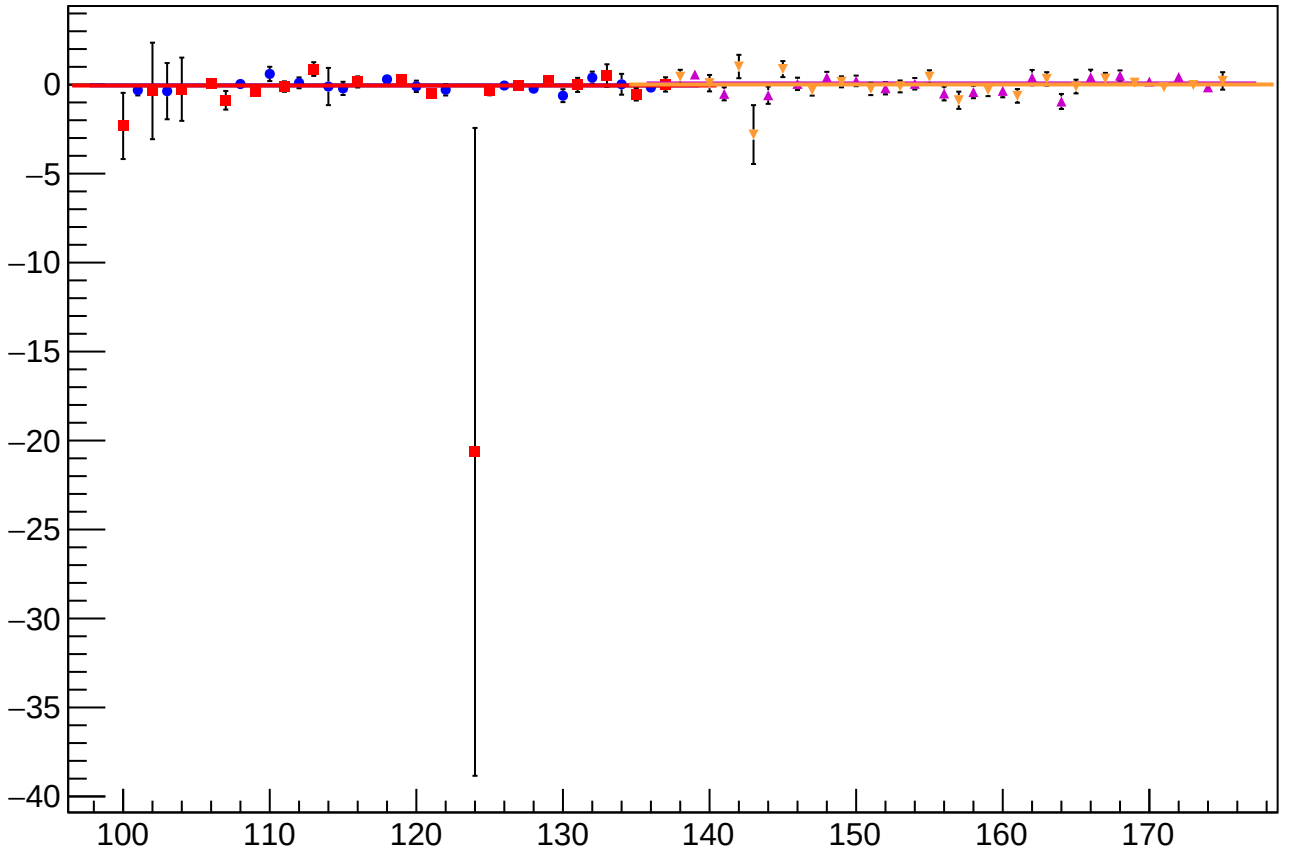
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 277.372+/-0.053 χ^2/NDF:1323506.3/17

+ sign 239.298+/-0.038 χ^2/NDF: 5746180.7/35

All: 236.720+/-0.027 χ^2/NDF: 10958381.6/72

- sign 234.153+/-0.038 χ^2/NDF: 5203240.4/36



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.010+/-0.076 χ^2/NDF:23.3/19

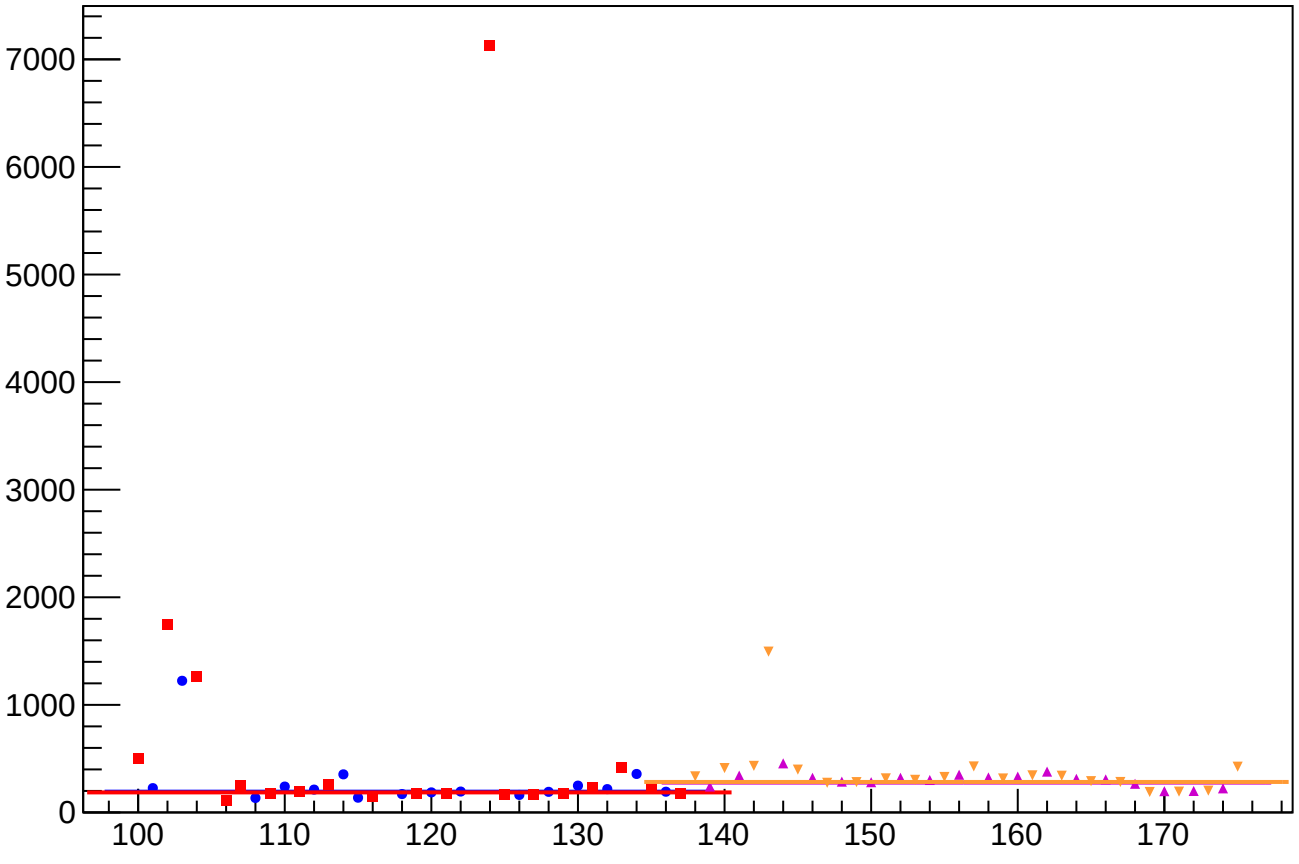
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.070+/-0.075 χ^2/NDF:27.8/17

+ sign -0.015+/-0.054 χ^2/NDF: 35.2/35

All: -0.001+/-0.038 χ^2/NDF: 87.3/72

- sign 0.013+/-0.054 χ^2/NDF: 52.0/36



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 283.472+/-0.054 χ^2/NDF:2963269.9/19

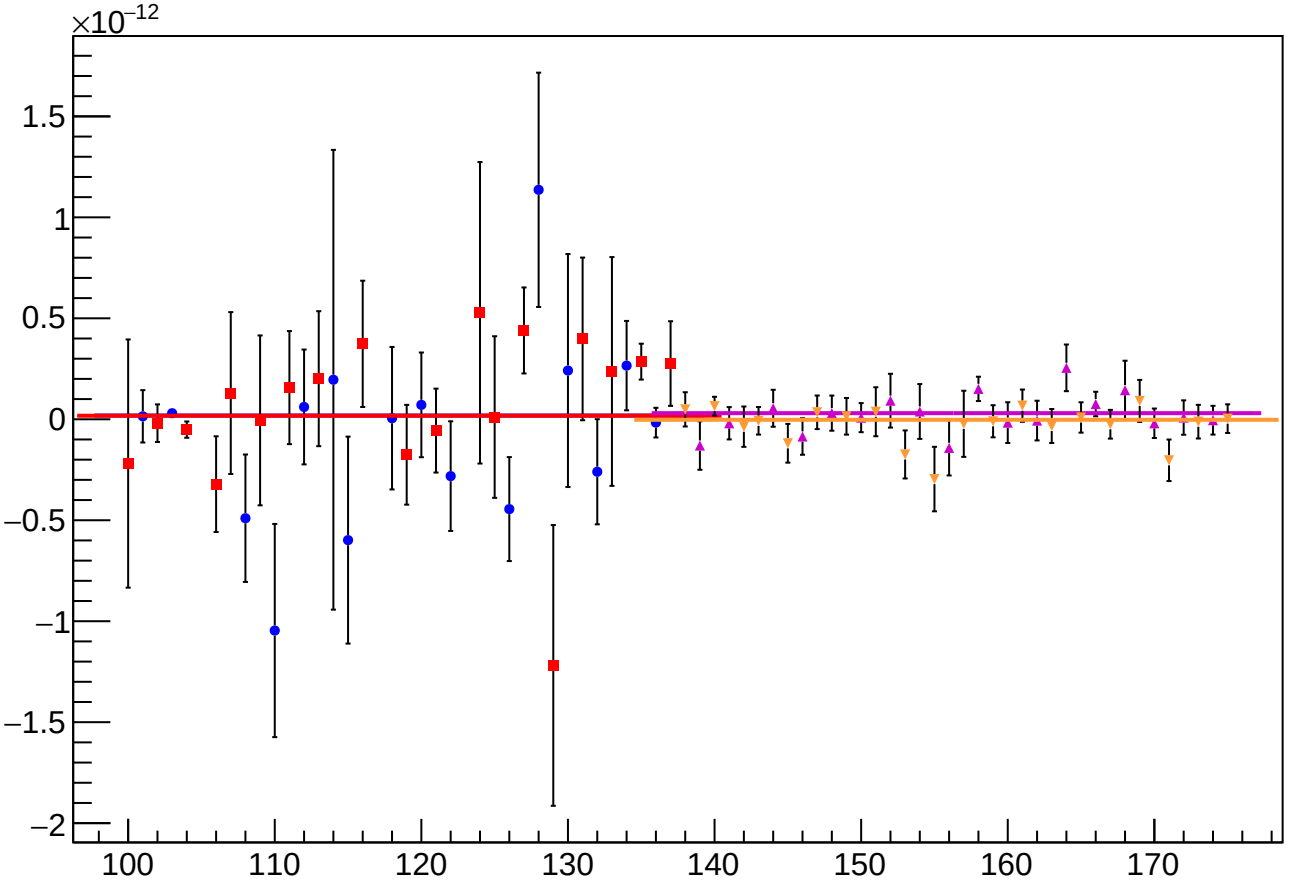
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 277.372+/-0.053 χ^2/NDF:1323506.3/17

+ sign 239.298+/-0.038 χ^2/NDF: 5746180.7/35

All: 236.720+/-0.027 χ^2/NDF: 10958381.6/72

- sign 234.153+/-0.038 χ^2/NDF: 5203240.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/19

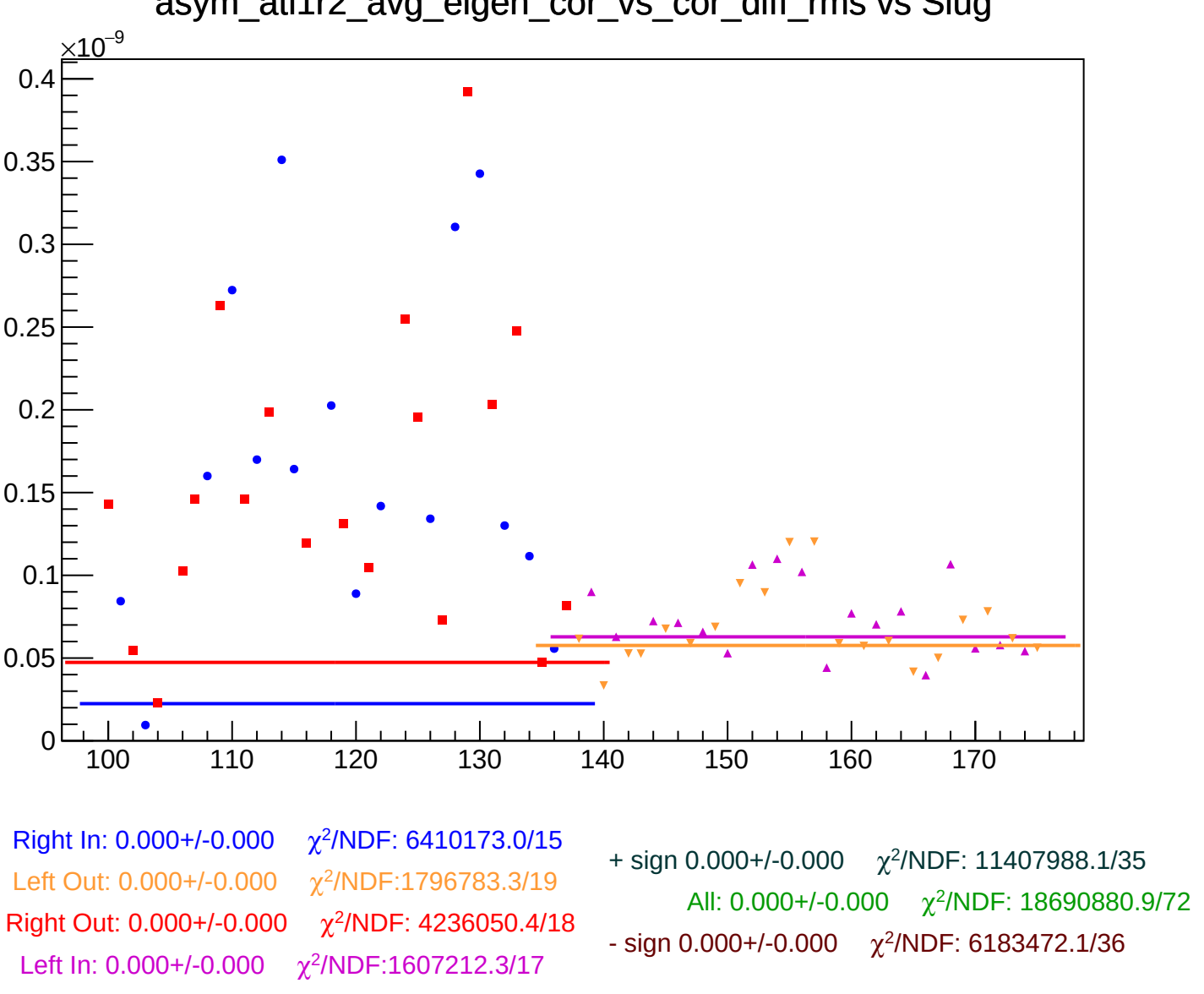
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.8/17

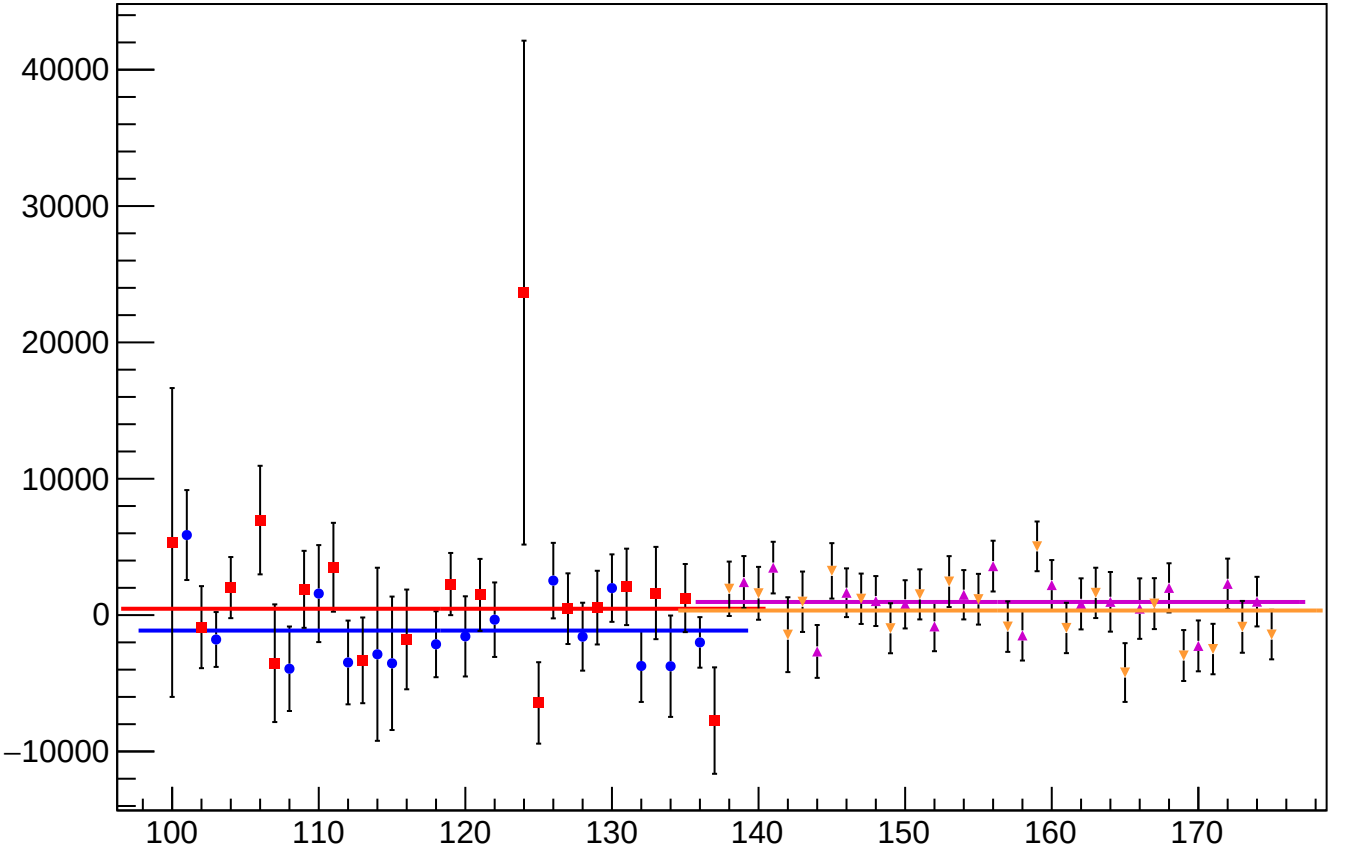
+ sign 0.000+/-0.000 χ^2/NDF: 35.6/35

All: 0.000+/-0.000 χ^2/NDF: 79.4/72

- sign 0.000+/-0.000 χ^2/NDF: 43.1/36


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1796783.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:1607212.3/17
+ sign 0.000+/-0.000 χ²/NDF: 11407988.1/35
All: 0.000+/-0.000 χ²/NDF: 18690880.9/72
- sign 0.000+/-0.000 χ²/NDF: 6183472.1/36

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 336.508+/-430.370 χ^2/NDF:25.6/19

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

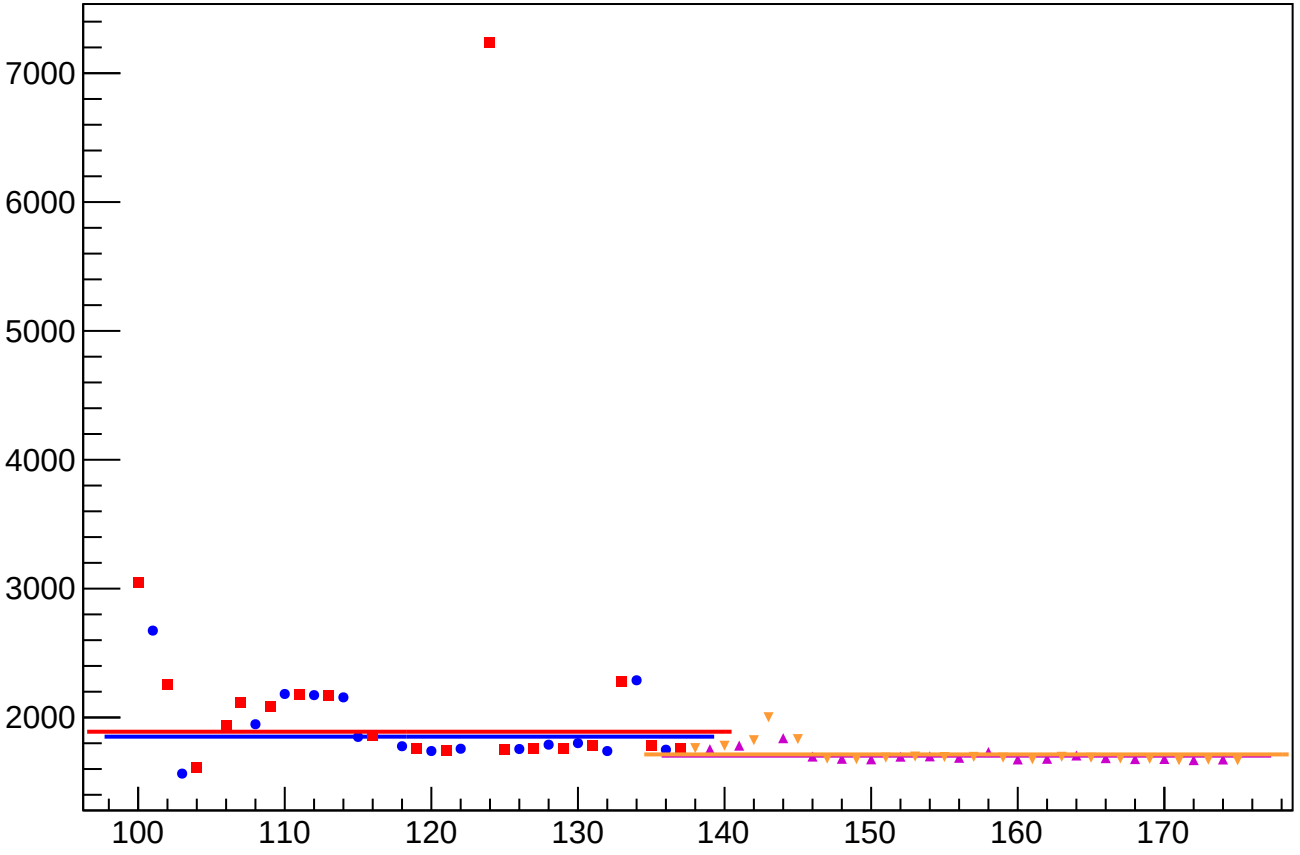
Left In: 962.820+/-441.756 χ^2/NDF:15.2/17

+ sign -72.285+/-365.719 χ^2/NDF: 41.1/35

All: 364.707+/-261.644 χ^2/NDF: 79.5/72

- sign 822.878+/-374.476 χ^2/NDF: 35.5/36

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1713.307+/-0.304 χ^2/NDF:56378.2/19

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

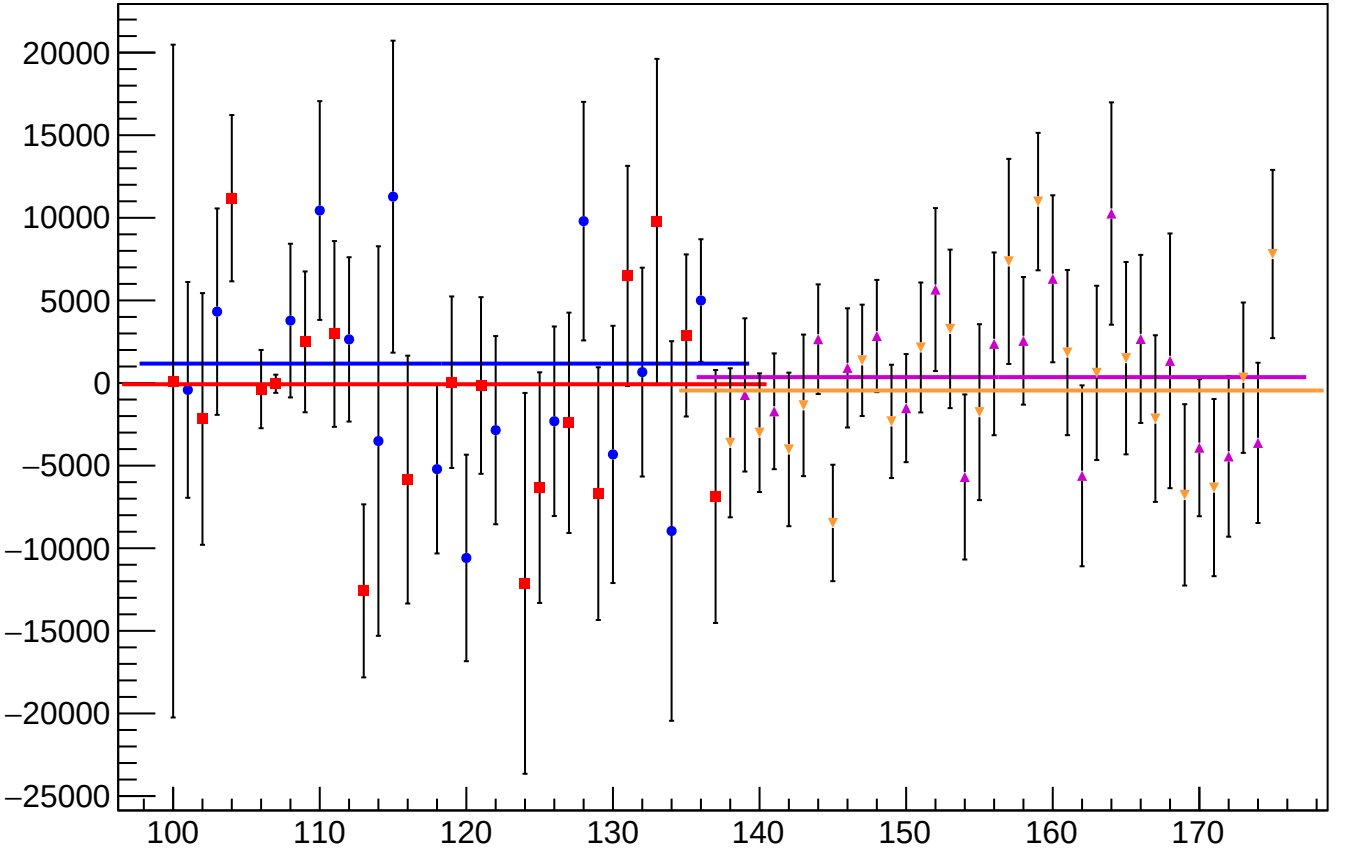
Left In: 1703.664+/-0.312 χ^2/NDF:19133.5/17

+ sign 1751.604+/-0.259 χ^2/NDF: 373355.6/35

All: 1753.821+/-0.185 χ^2/NDF: 851503.5/72

- sign 1756.141+/-0.265 χ^2/NDF: 477997.6/36

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -453.100+/-996.103 χ^2/NDF:23.3/19

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

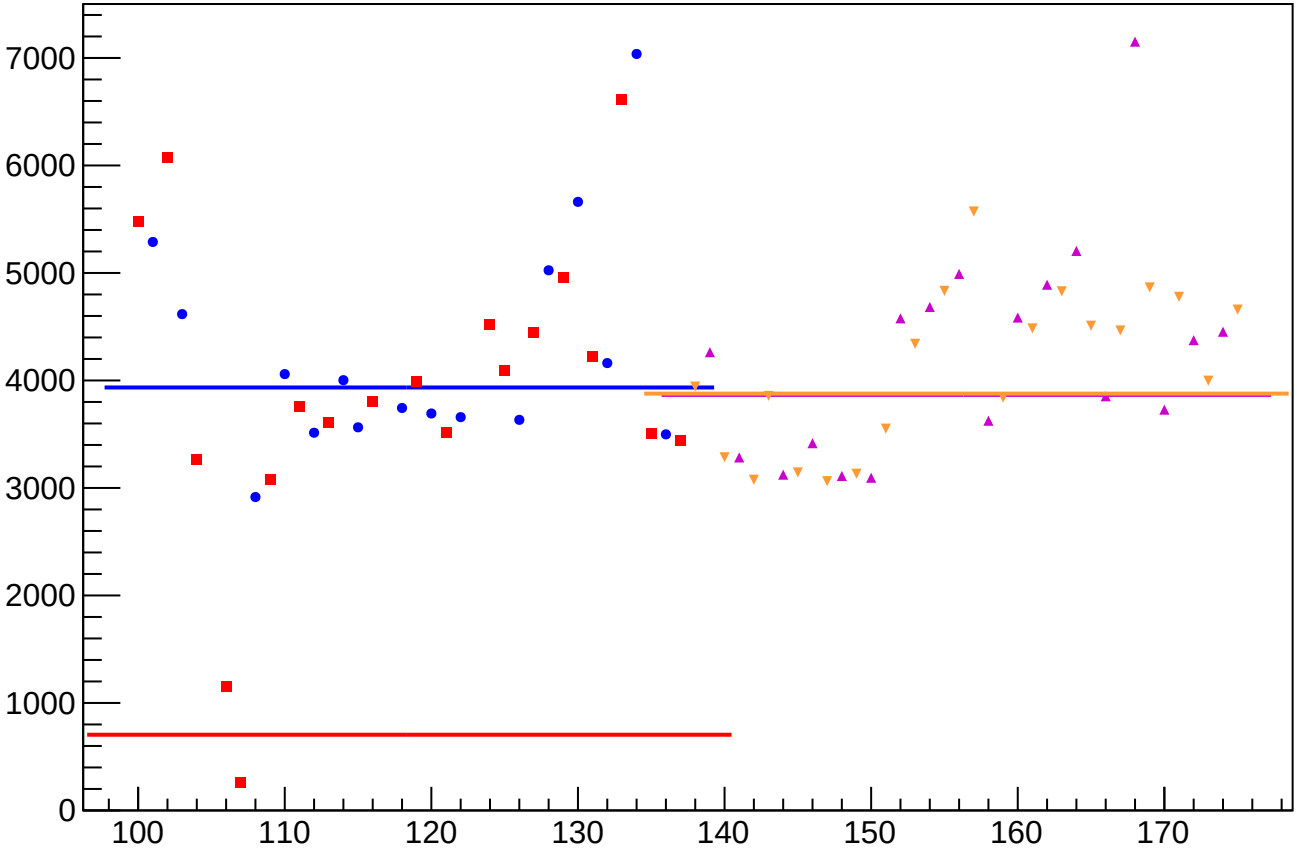
Left In: 357.410+/-1026.175 χ^2/NDF:12.5/17

+ sign 44.301+/-830.161 χ^2/NDF: 37.8/35

All: 18.931+/-398.059 χ^2/NDF: 68.4/72

- sign 11.357+/-453.606 χ^2/NDF: 30.6/36

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3877.545+/-0.704 χ^2/NDF:973045.0/19

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

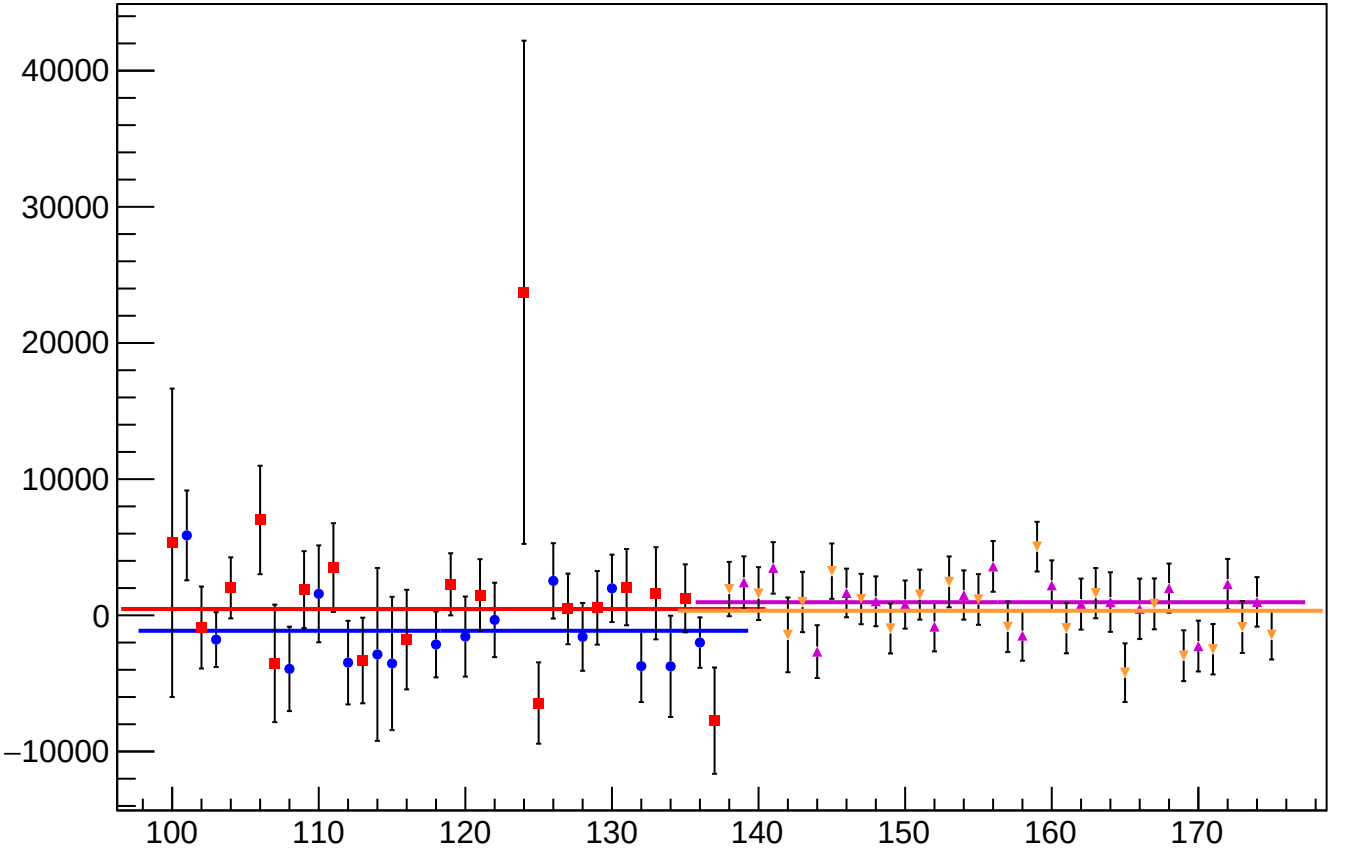
Left In: 3865.559+/-0.726 χ^2/NDF:1203172.0/17

+ sign 3895.008+/-0.587 χ^2/NDF: 1535182.9/35

All: 1913.625+/-0.281 χ^2/NDF: 43422578.1/7

- sign 1322.063+/-0.321 χ^2/NDF: 27092778.8/36

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 336.568+/-430.370 χ^2/NDF:25.6/19

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

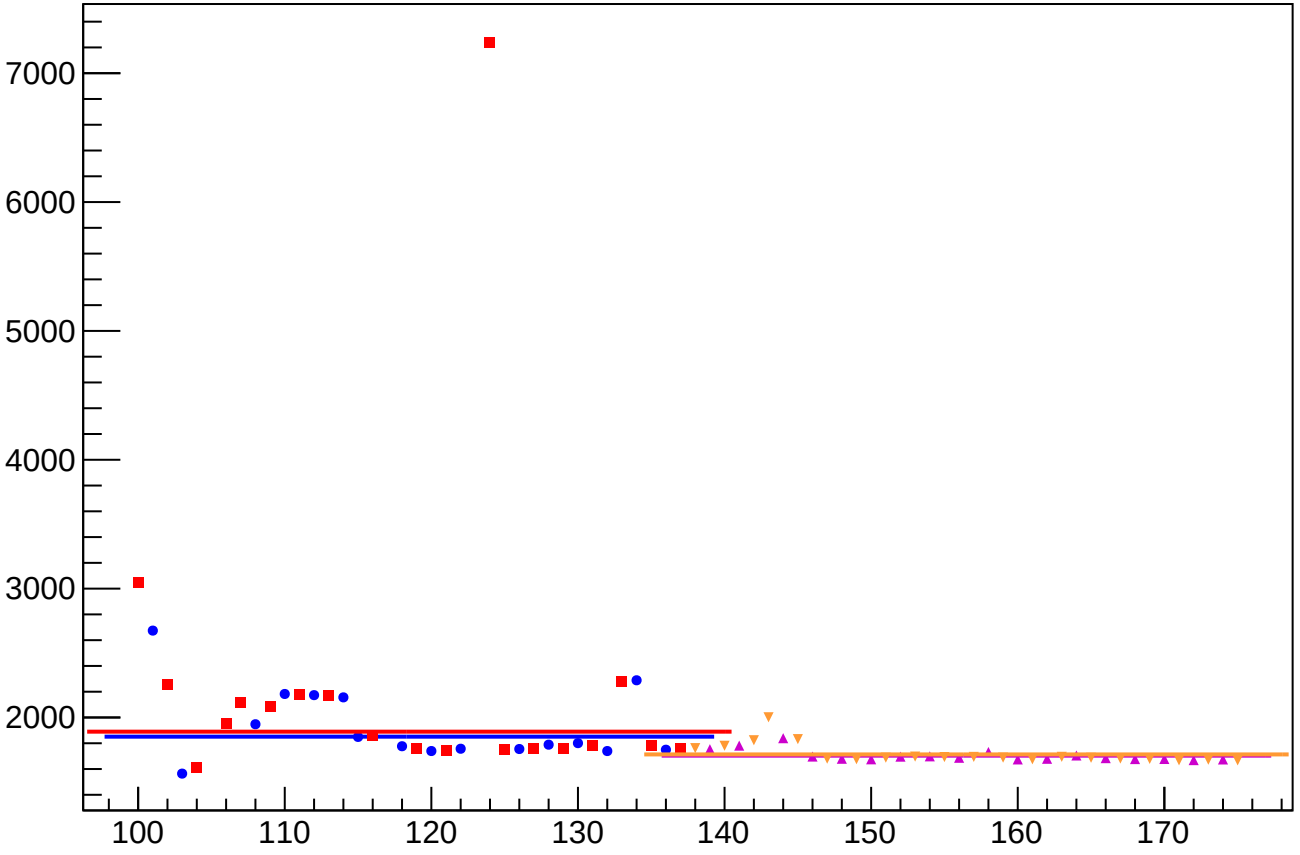
Left In: 962.716+/-441.756 χ^2/NDF:15.2/17

+ sign -72.122+/-365.719 χ^2/NDF: 41.1/35

All: 364.806+/-261.644 χ^2/NDF: 79.6/72

- sign 822.910+/-374.477 χ^2/NDF: 35.6/36

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1713.307+/-0.304 χ^2/NDF:56378.2/19

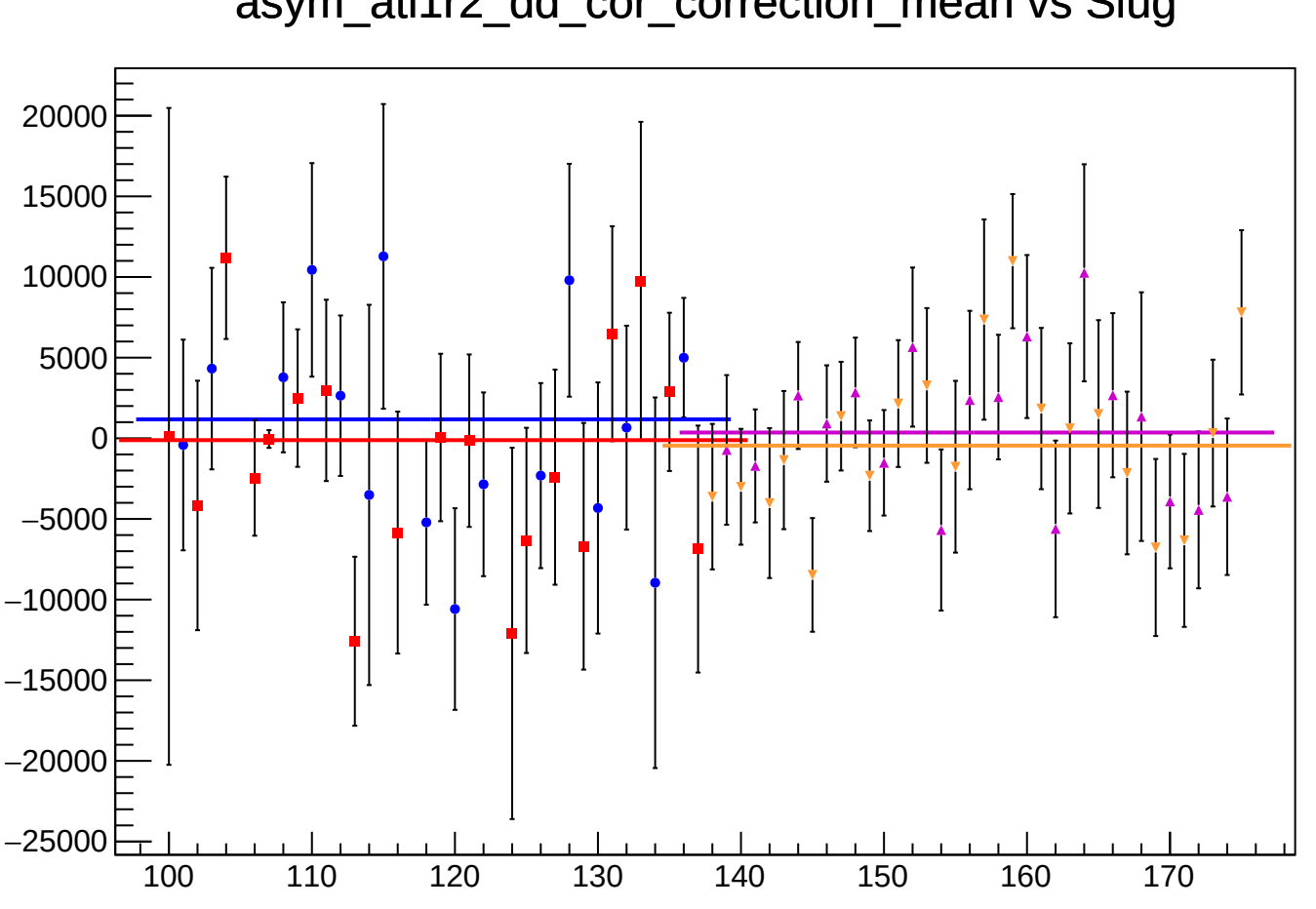
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1703.664+/-0.312 χ^2/NDF:19133.5/17

+ sign 1751.605+/-0.259 χ^2/NDF: 373355.1/35

All: 1753.875+/-0.185 χ^2/NDF: 852191.0/72

- sign 1756.253+/-0.265 χ^2/NDF: 478678.1/36



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -453.103+/-996.101 χ^2/NDF:23.3/19

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

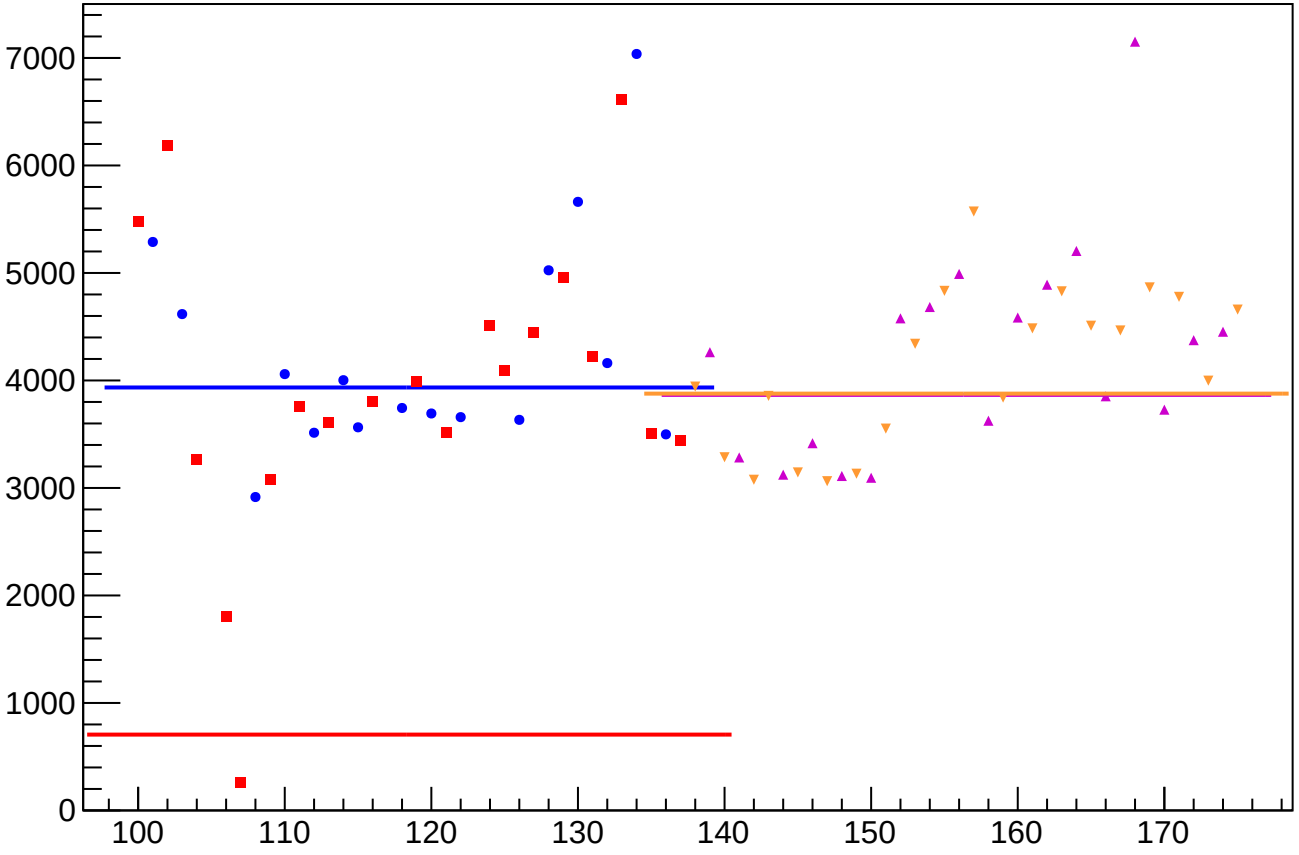
Left In: 357.378+/-1026.175 χ^2/NDF:12.5/17

+ sign 44.288+/-830.161 χ^2/NDF: 37.8/35

All: -6.126+/-401.252 χ^2/NDF: 69.1/72

- sign -21.493+/-458.348 χ^2/NDF: 31.2/36

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3877.536+/-0.704 χ^2/NDF:973054.9/19

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

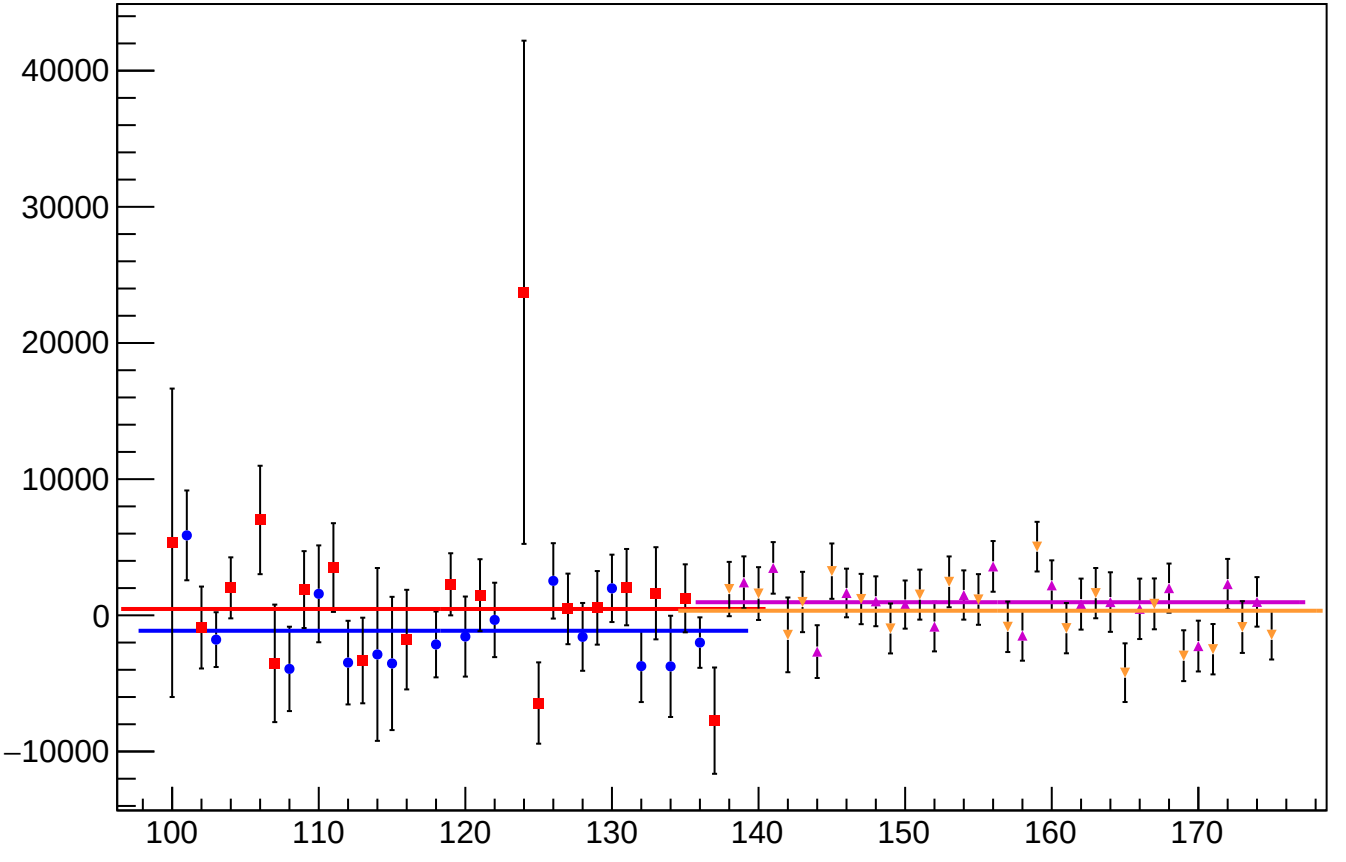
Left In: 3865.558+/-0.726 χ^2/NDF:1203159.9/17

+ sign 3895.003+/-0.587 χ^2/NDF: 1535218.4/35

All: 1933.861+/-0.284 χ^2/NDF: 43230698.8/7

- sign 1336.035+/-0.324 χ^2/NDF: 27131521.0/36

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 336.568+/-430.370 χ^2/NDF:25.6/19

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

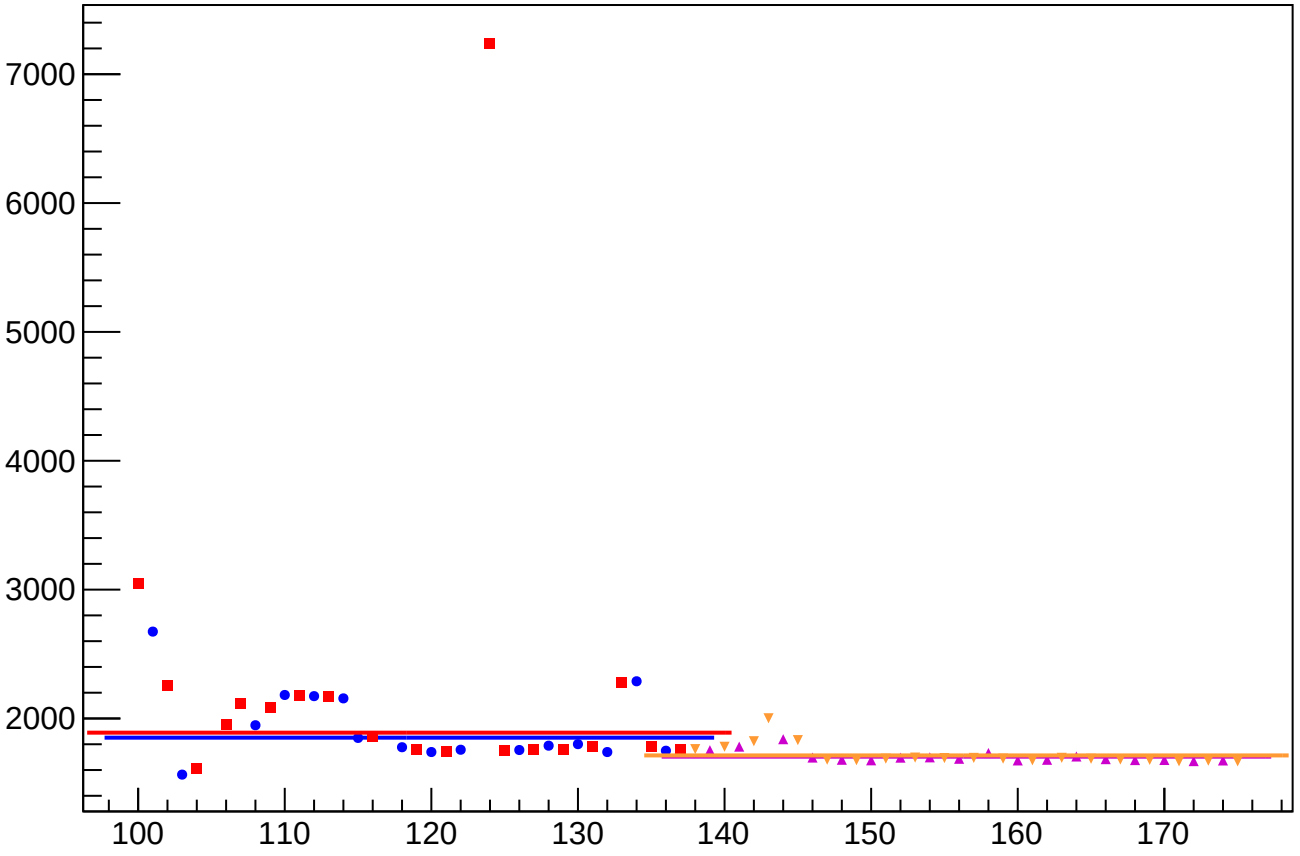
Left In: 962.716+/-441.756 χ^2/NDF:15.2/17

+ sign -72.122+/-365.719 χ^2/NDF: 41.1/35

All: 364.806+/-261.644 χ^2/NDF: 79.6/72

- sign 822.910+/-374.477 χ^2/NDF: 35.6/36

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1713.307+/-0.304 χ^2/NDF:56378.2/19

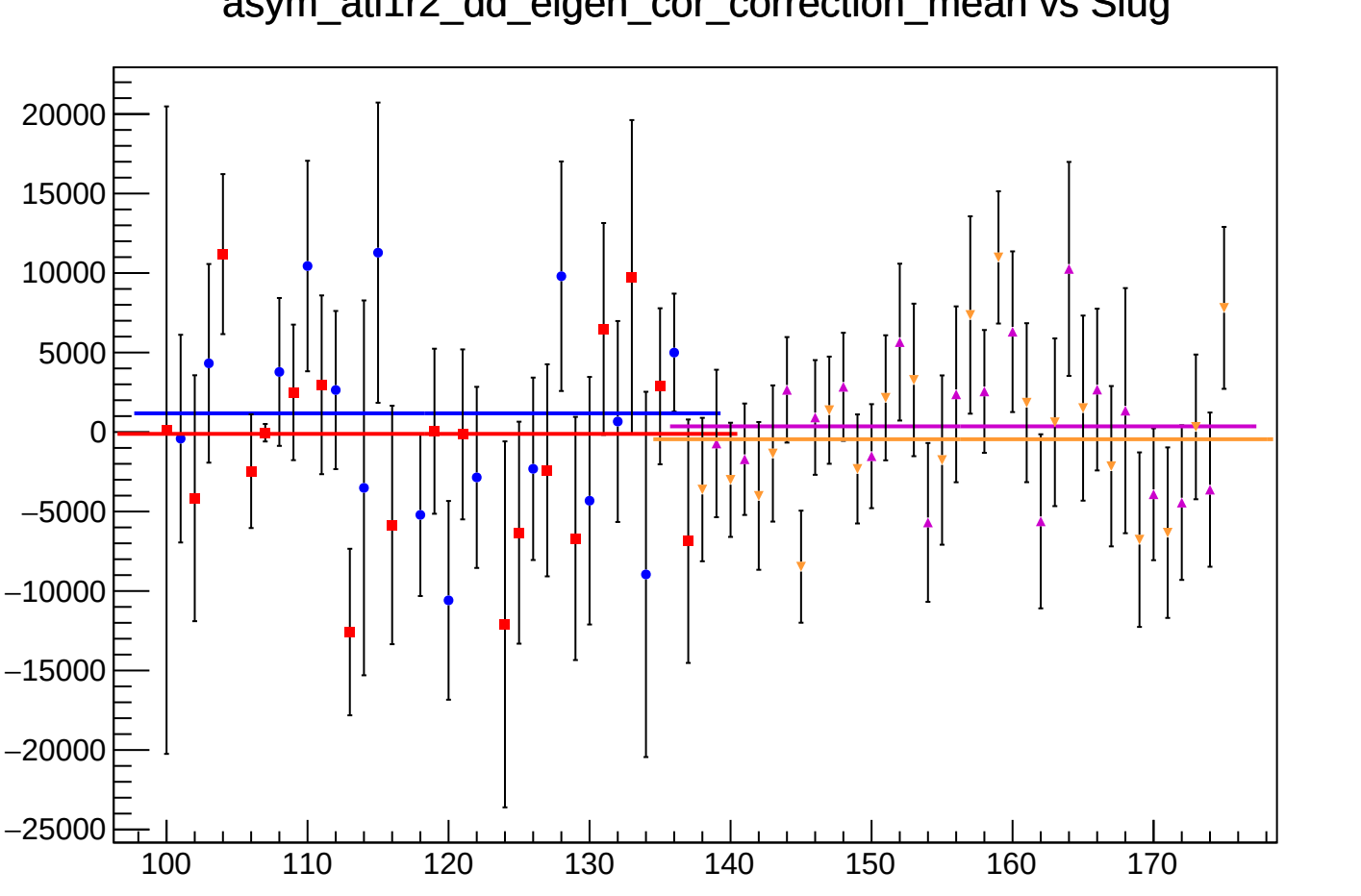
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1703.664+/-0.312 χ^2/NDF:19133.5/17

+ sign 1751.605+/-0.259 χ^2/NDF: 373355.1/35

All: 1753.875+/-0.185 χ^2/NDF: 852191.0/72

- sign 1756.253+/-0.265 χ^2/NDF: 478678.1/36



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -453.103+/-996.101 χ^2/NDF:23.3/19

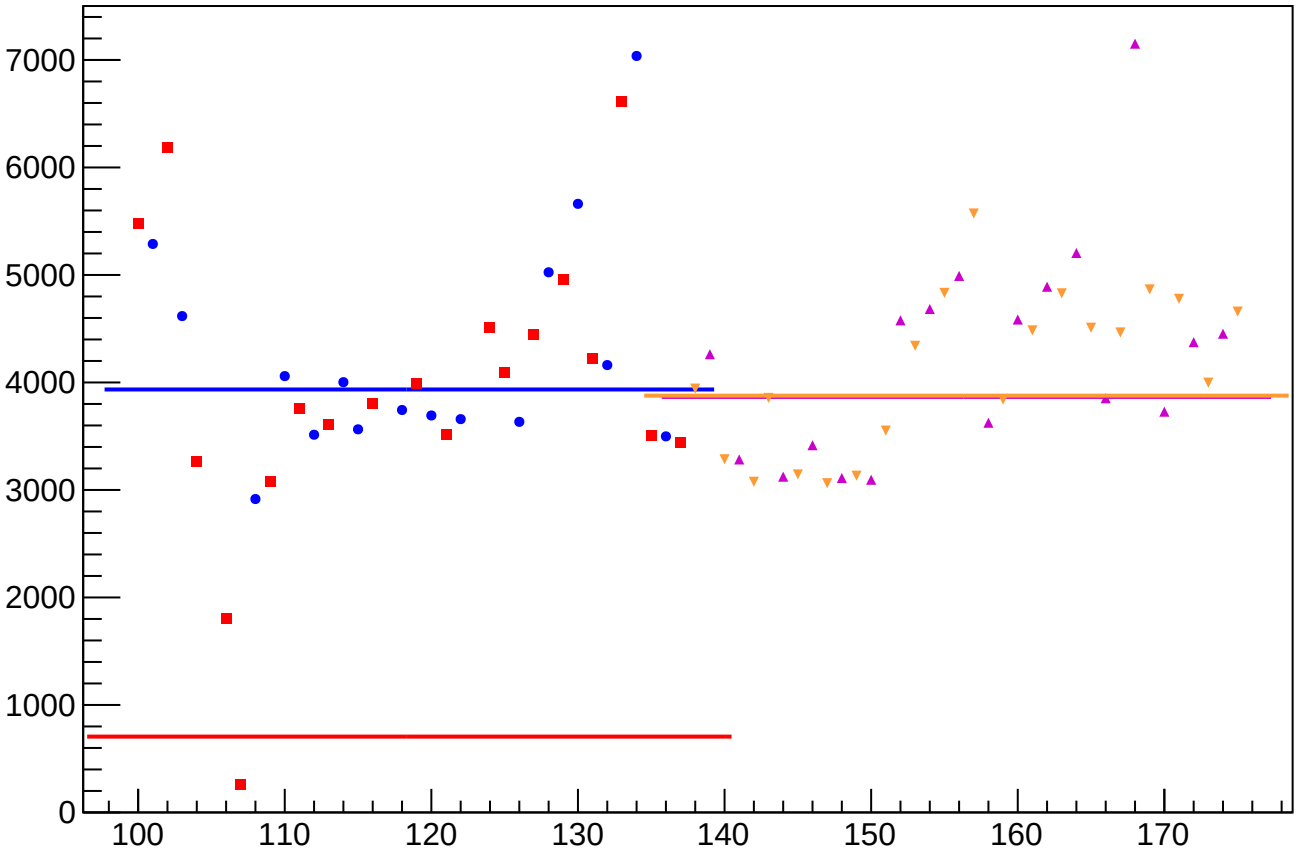
Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 357.378+/-1026.175 χ^2/NDF:12.5/17

+ sign 44.288+/-830.161 χ^2/NDF: 37.8/35

All: -6.126+/-401.252 χ^2/NDF: 69.1/72

- sign -21.493+/-458.348 χ^2/NDF: 31.2/36



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3877.536+/-0.704 χ^2/NDF:973054.9/19

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

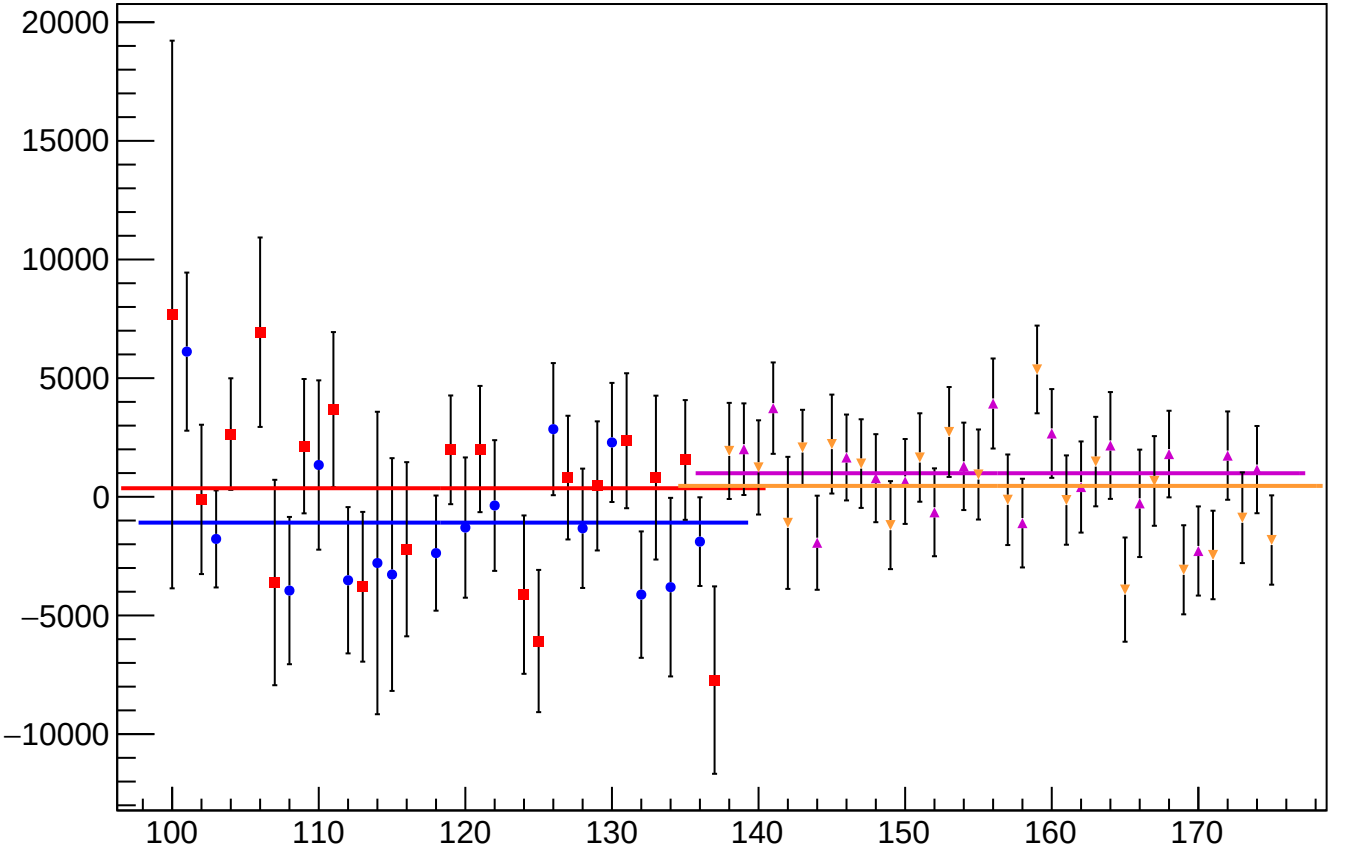
Left In: 3865.558+/-0.726 χ^2/NDF:1203159.9/17

+ sign 3895.003+/-0.587 χ^2/NDF: 1535218.4/35

All: 1933.861+/-0.284 χ^2/NDF: 43230698.8/7

- sign 1336.035+/-0.324 χ^2/NDF: 27131521.0/36

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 459.630+/-429.515 χ^2/NDF:25.2/19

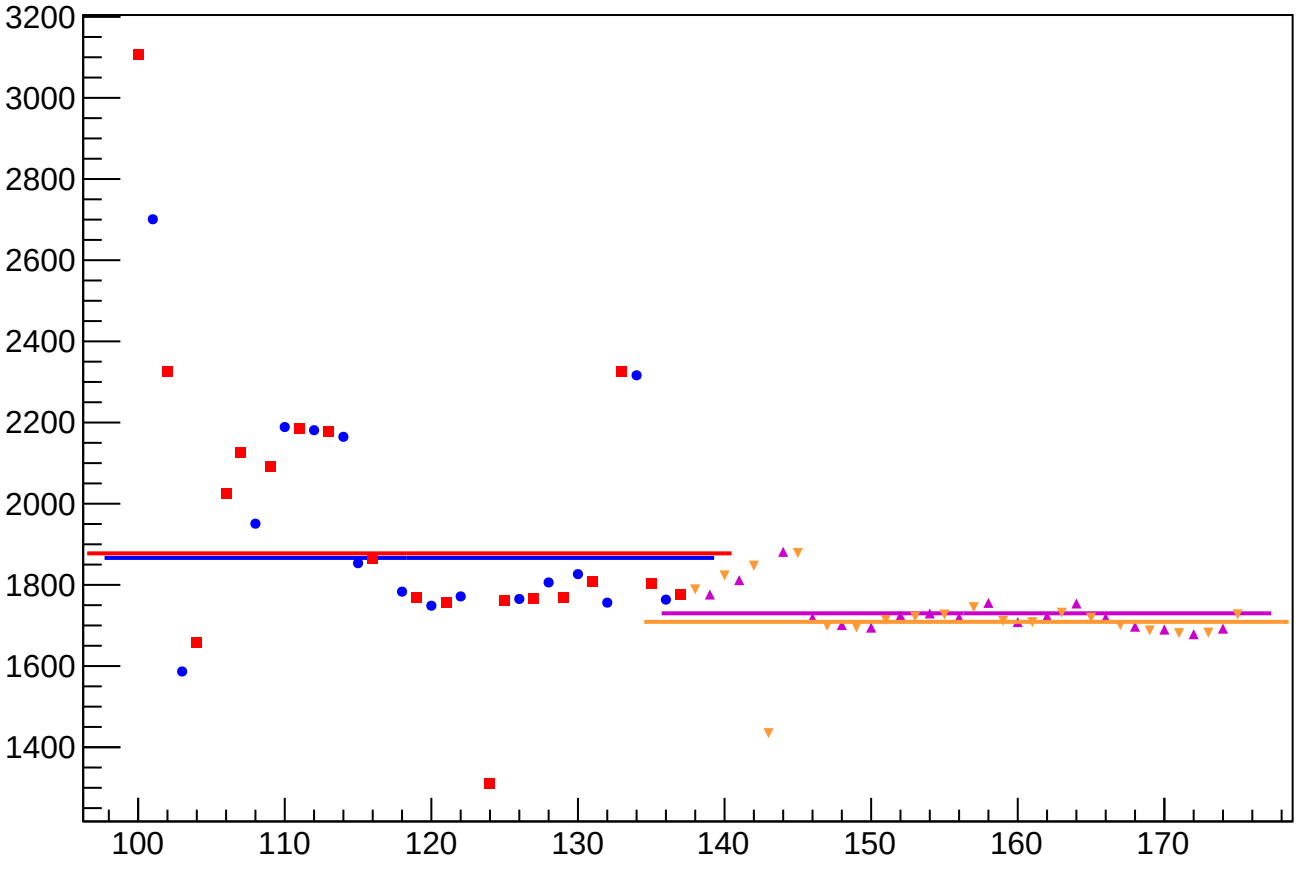
Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: 993.334+/-448.613 χ^2/NDF:14.0/17

+ sign 36.029+/-366.033 χ^2/NDF: 41.9/35

All: 410.525+/-262.836 χ^2/NDF: 79.5/72

- sign 809.173+/-377.651 χ^2/NDF: 35.4/36



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1708.918+/-0.304 χ^2/NDF:90424.8/19

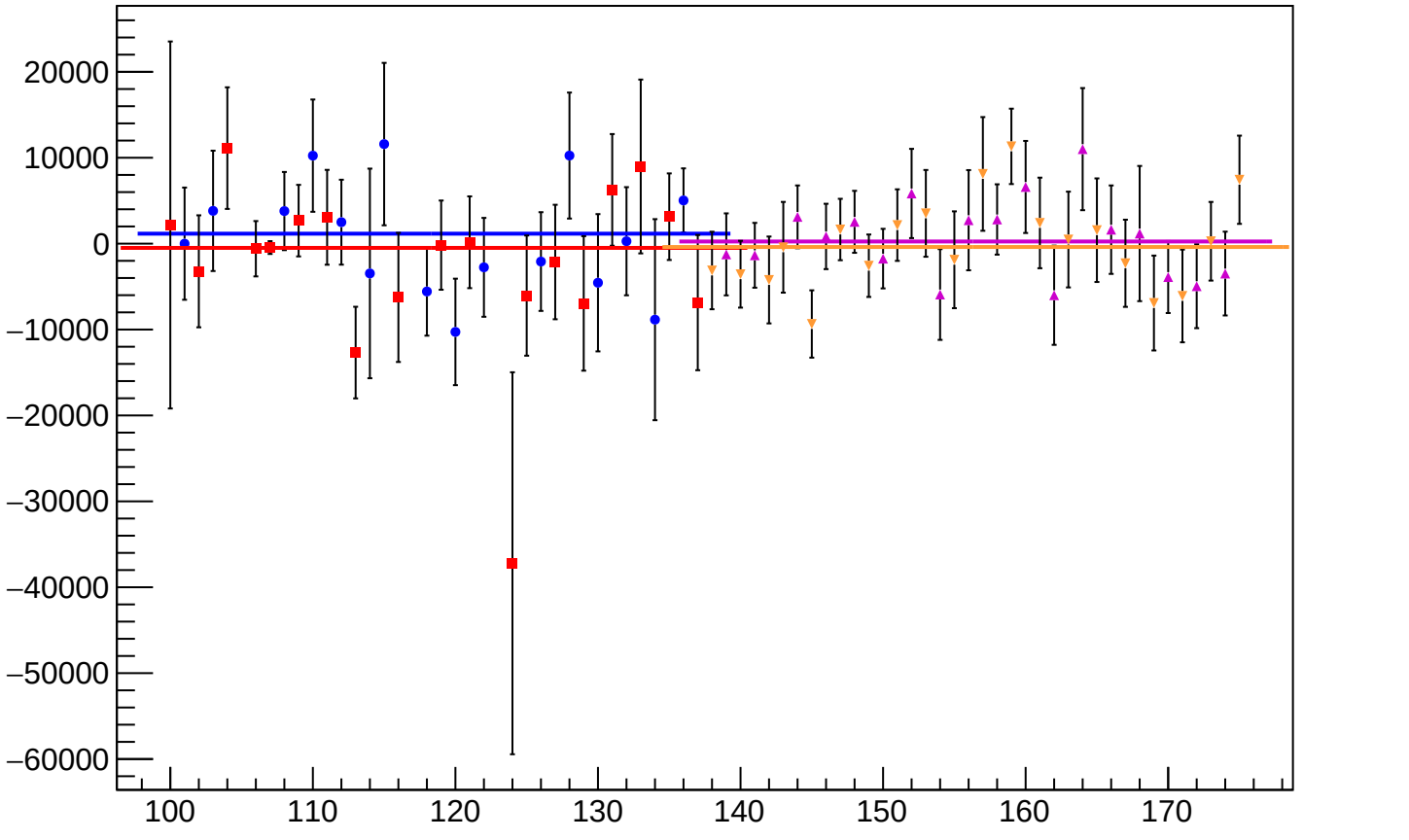
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1729.965+/-0.317 χ^2/NDF:22749.1/17

+ sign 1752.045+/-0.259 χ^2/NDF: 420342.8/35

All: 1762.220+/-0.186 χ^2/NDF: 761361.2/72

- sign 1773.045+/-0.267 χ^2/NDF: 337829.1/36



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -391.188+/-1054.312 χ^2/NDF:22.8/19

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

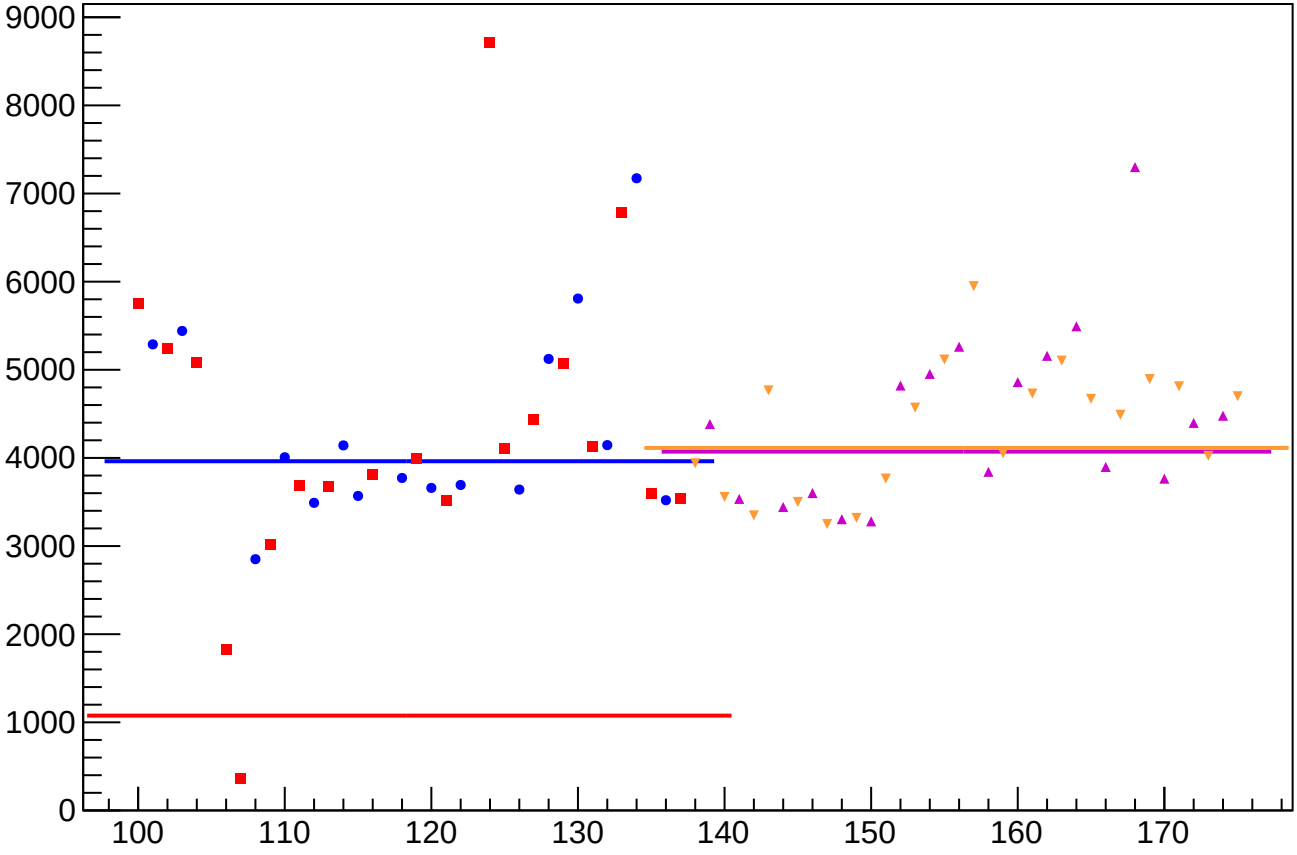
Left In: 251.955+/-1078.706 χ^2/NDF:12.4/17

+ sign 116.554+/-864.865 χ^2/NDF: 37.1/35

All: -169.761+/-471.279 χ^2/NDF: 67.0/72

- sign -290.684+/-562.057 χ^2/NDF: 29.7/36

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4113.322+/-0.746 χ^2/NDF:848436.4/19

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

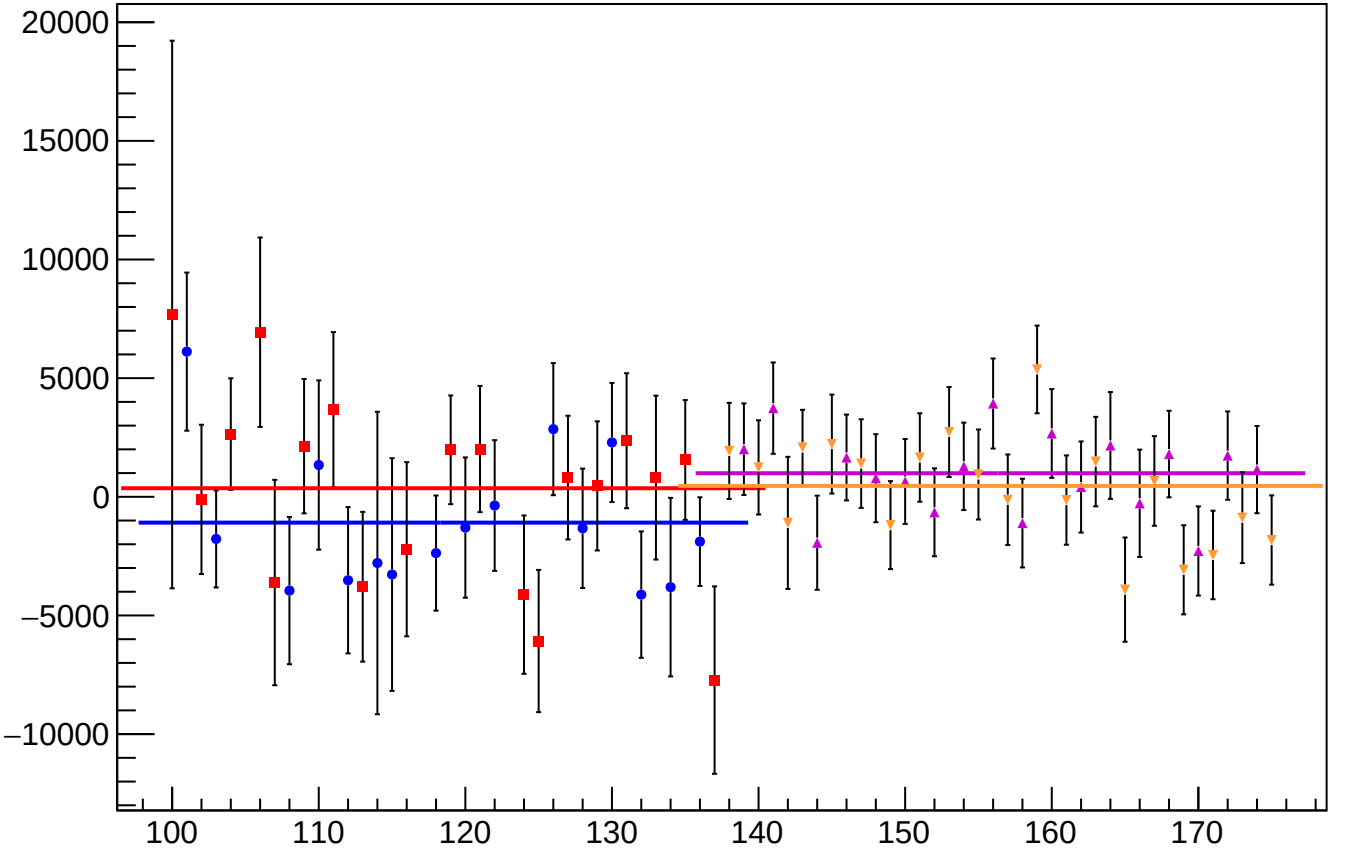
Left In: 4071.270+/-0.763 χ^2/NDF:1086828.1/17

+ sign 4063.947+/-0.612 χ^2/NDF: 1530186.5/35

All: 2534.925+/-0.333 χ^2/NDF: 32300903.6/7

- sign 1889.156+/-0.397 χ^2/NDF: 21879440.7/36

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 459.634+/-429.516 χ^2/NDF:25.2/19

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

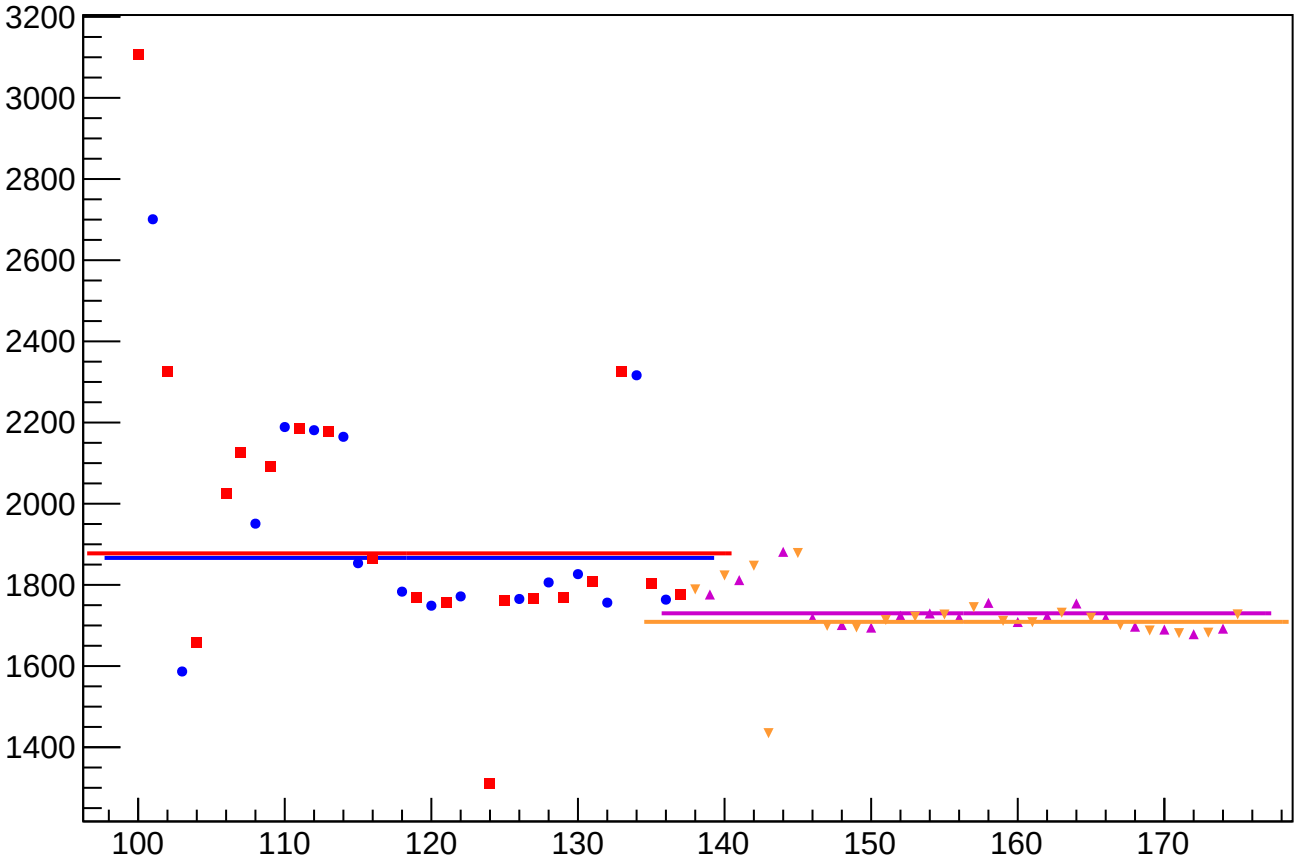
Left In: 993.335+/-448.613 χ^2/NDF:14.0/17

+ sign 36.030+/-366.033 χ^2/NDF: 41.9/35

All: 410.526+/-262.836 χ^2/NDF: 79.5/72

- sign 809.175+/-377.651 χ^2/NDF: 35.4/36

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1708.919+/-0.304 χ^2/NDF:90424.0/19

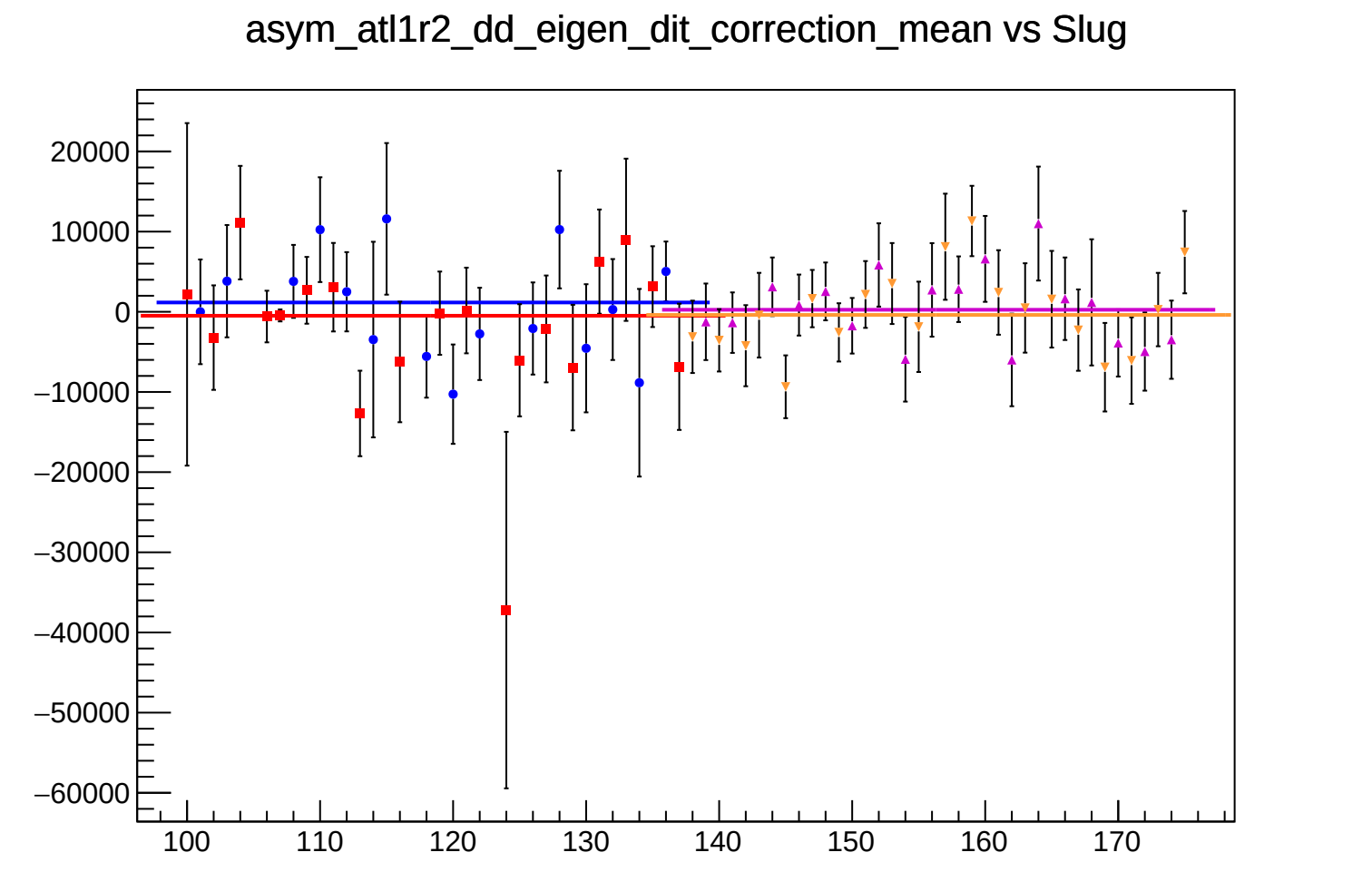
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1729.966+/-0.317 χ^2/NDF:22749.1/17

+ sign 1752.046+/-0.259 χ^2/NDF: 420341.0/35

All: 1762.220+/-0.186 χ^2/NDF: 761359.1/72

- sign 1773.045+/-0.267 χ^2/NDF: 337828.8/36



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -391.188+/-1054.314 χ^2/NDF:22.8/19

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

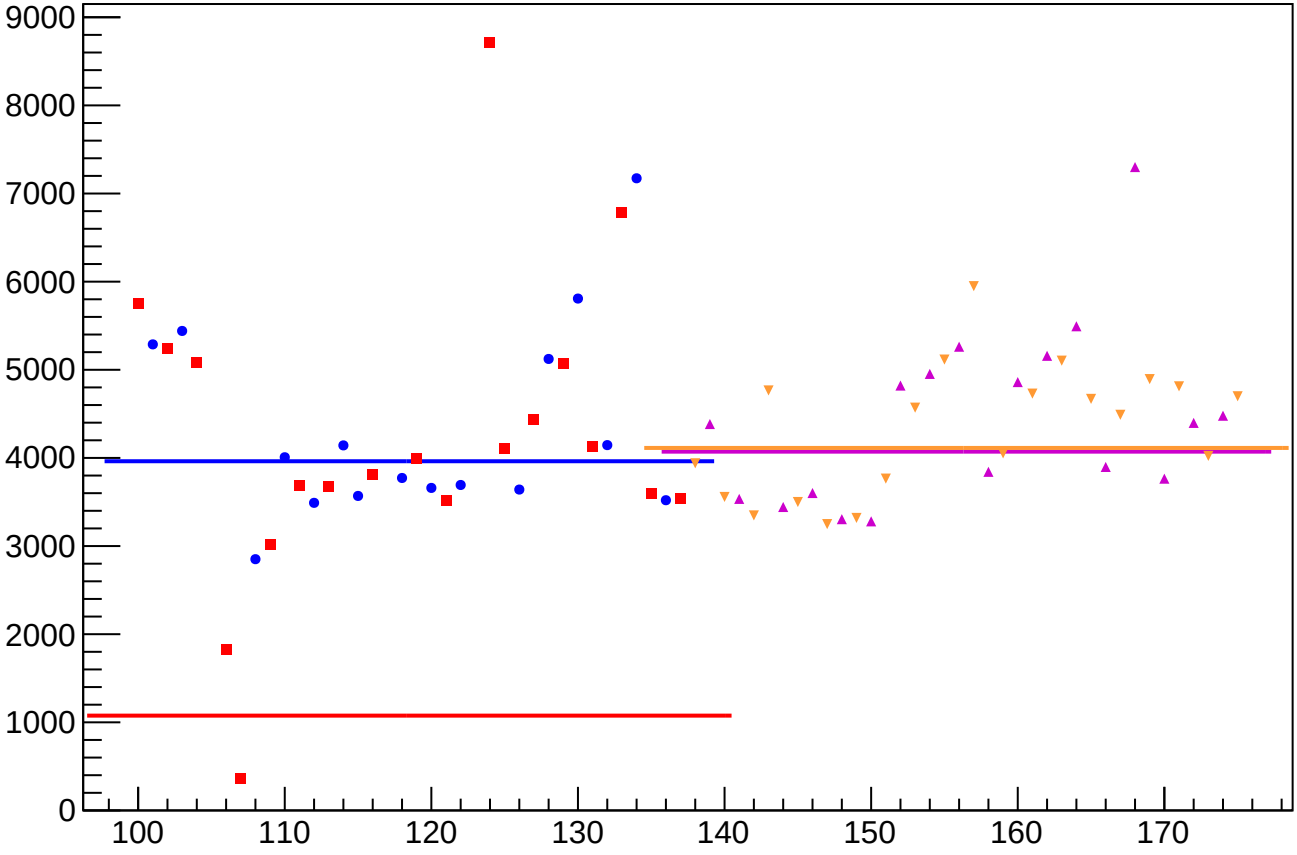
Left In: 251.953+/-1078.707 χ^2/NDF:12.4/17

+ sign 116.549+/-864.866 χ^2/NDF: 37.1/35

All: -169.762+/-471.283 χ^2/NDF: 67.0/72

- sign -290.686+/-562.064 χ^2/NDF: 29.7/36

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4113.327+/-0.746 χ^2/NDF:848436.2/19

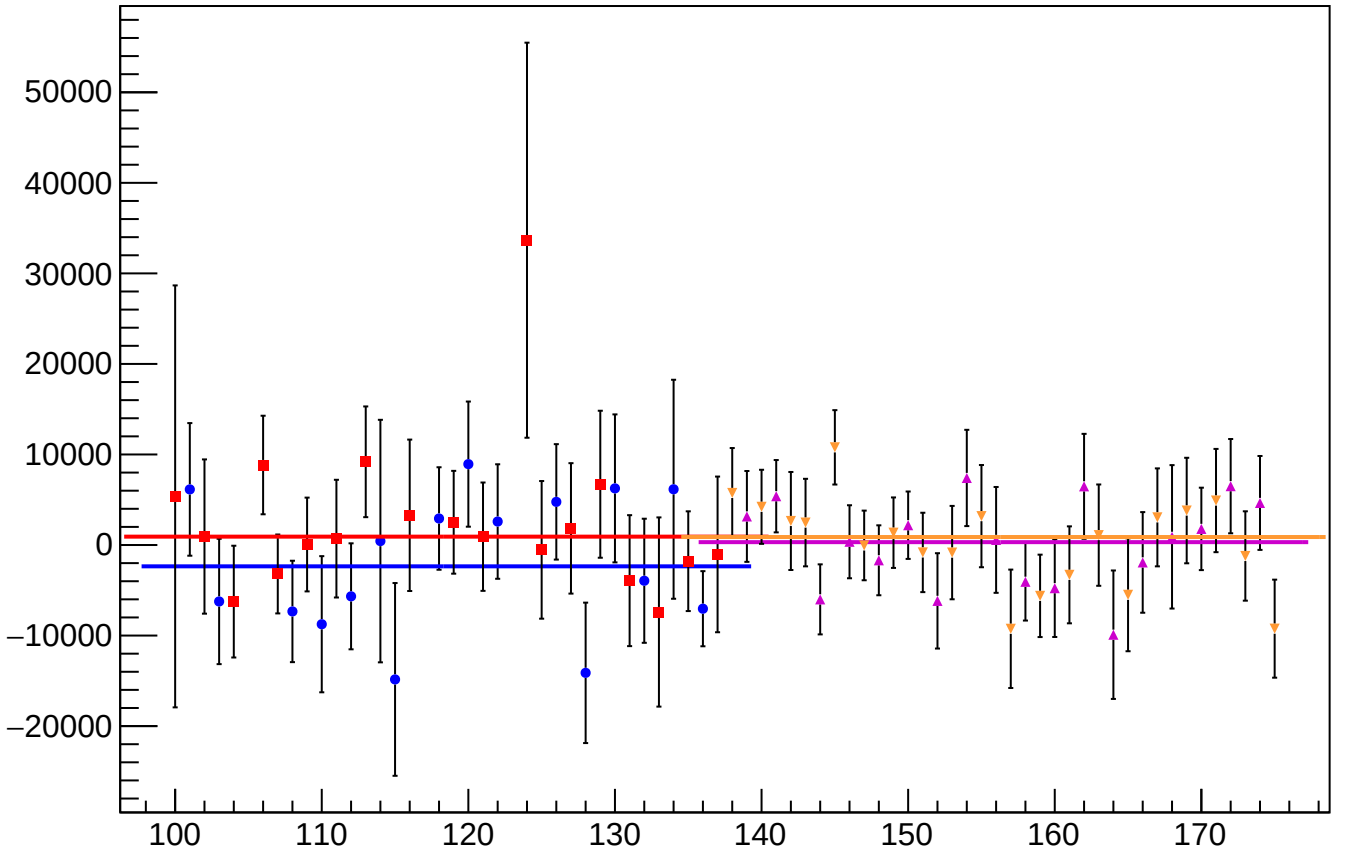
Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 4071.276+/-0.763 χ^2/NDF:1086830.2/17

+ sign 4063.948+/-0.612 χ^2/NDF: 1530184.8/35

All: 2534.966+/-0.333 χ^2/NDF: 32300063.8/7

- sign 1889.198+/-0.397 χ^2/NDF: 21879001.1/36



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 881.816+/-1100.944 χ^2/NDF:18.8/19

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

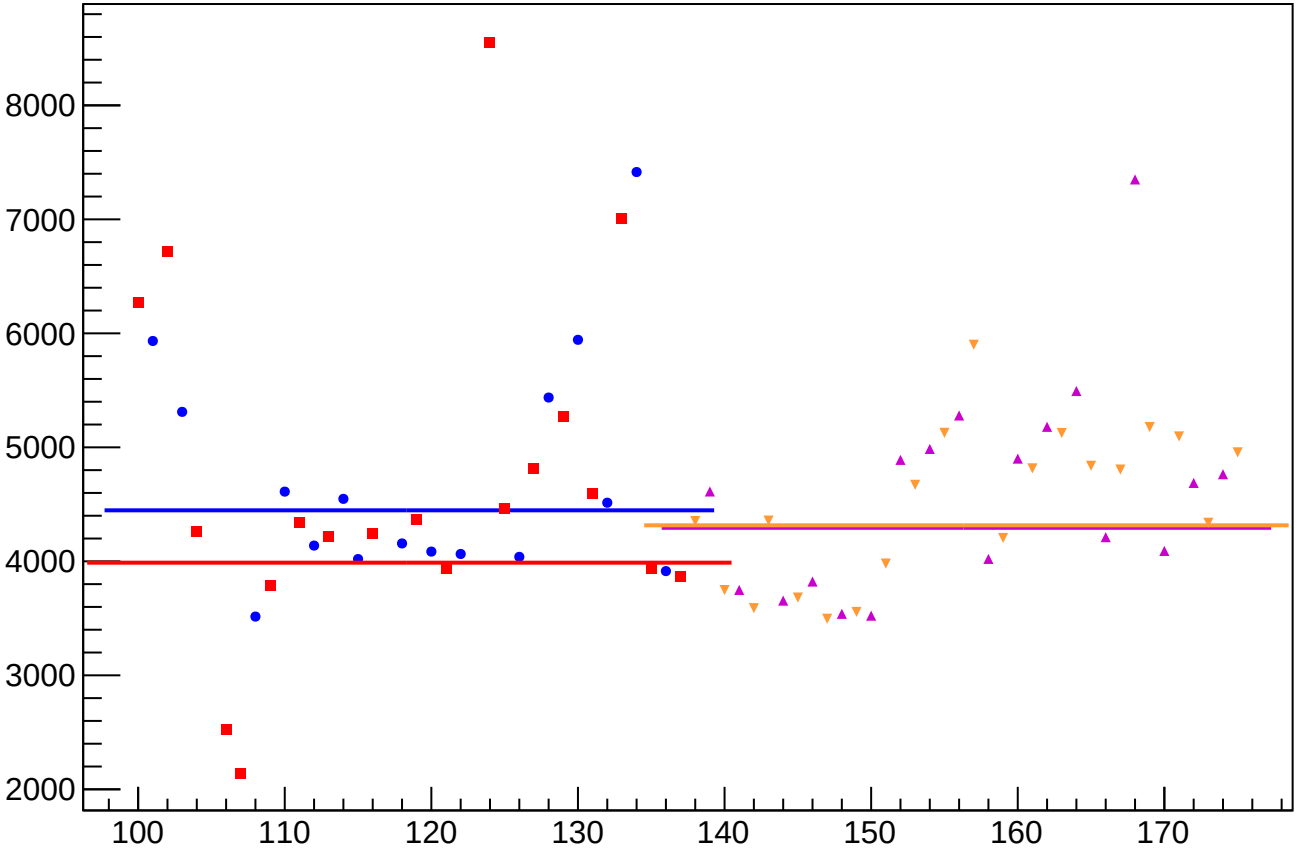
Left In: 316.382+/-1132.324 χ^2/NDF:15.9/17

+ sign -86.711+/-921.619 χ^2/NDF: 37.0/35

All: 223.644+/-648.862 χ^2/NDF: 63.9/72

- sign 528.683+/-913.692 χ^2/NDF: 26.7/36

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4315.997+/-0.778 χ^2/NDF:669532.5/19

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

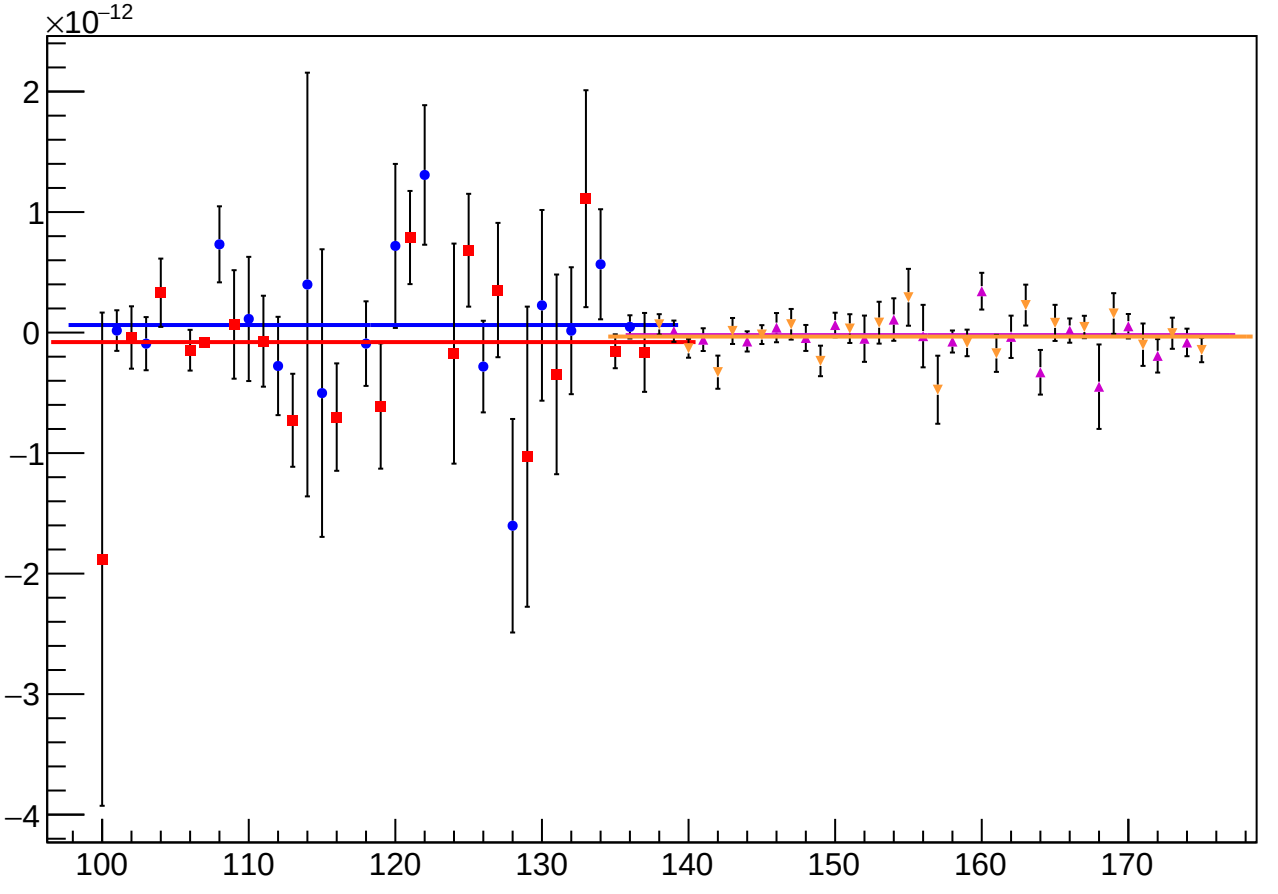
Left In: 4294.051+/-0.801 χ^2/NDF:873104.8/17

+ sign 4355.324+/-0.652 χ^2/NDF: 1136312.5/35

All: 4269.621+/-0.458 χ^2/NDF: 3239079.7/72

- sign 4185.973+/-0.644 χ^2/NDF: 2068591.6/36

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/19

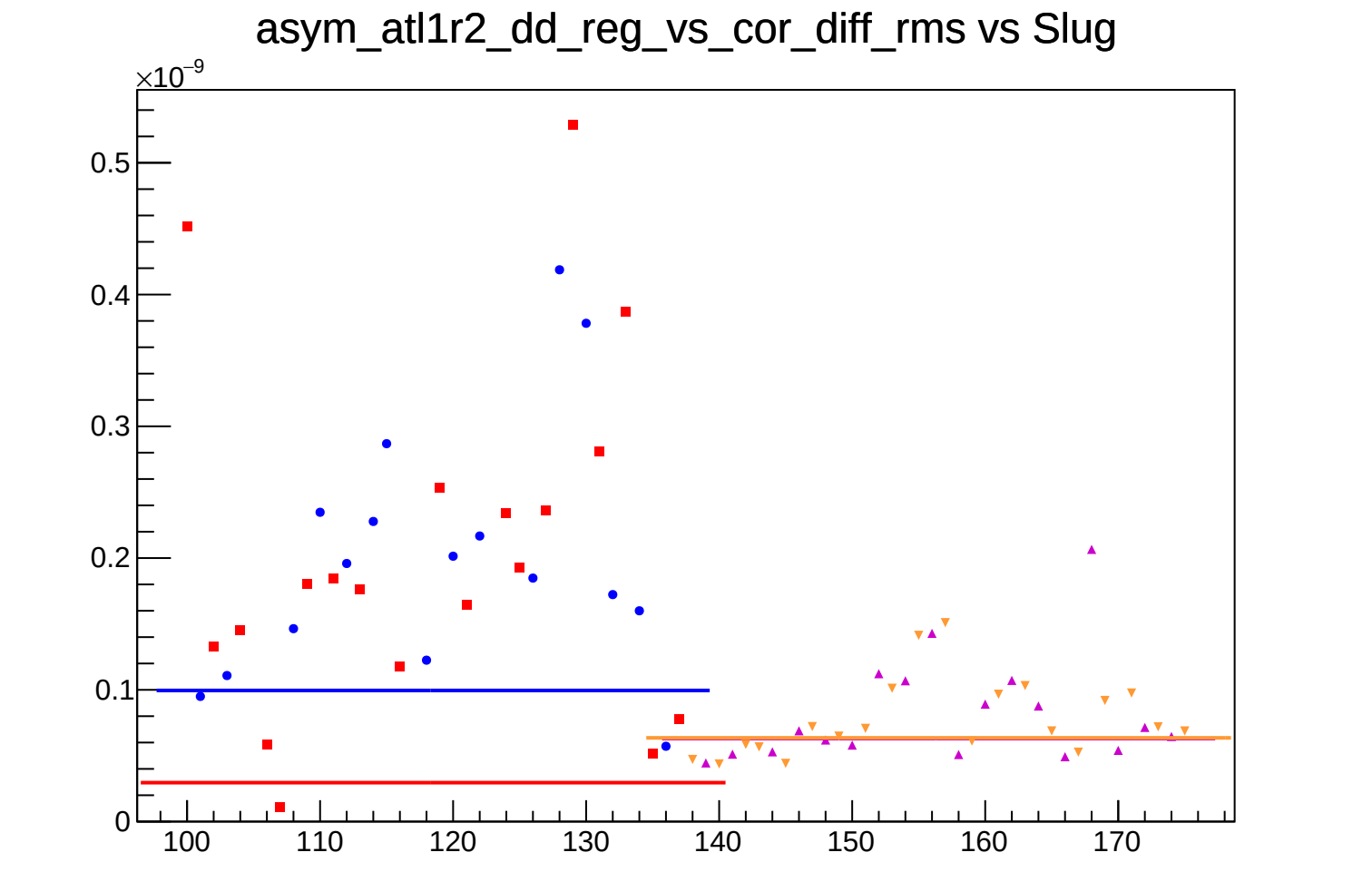
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:15.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 42.7/35

All: -0.000+/-0.000 χ^2/NDF: 80.1/72

- sign -0.000+/-0.000 χ^2/NDF: 36.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1233595.5/19

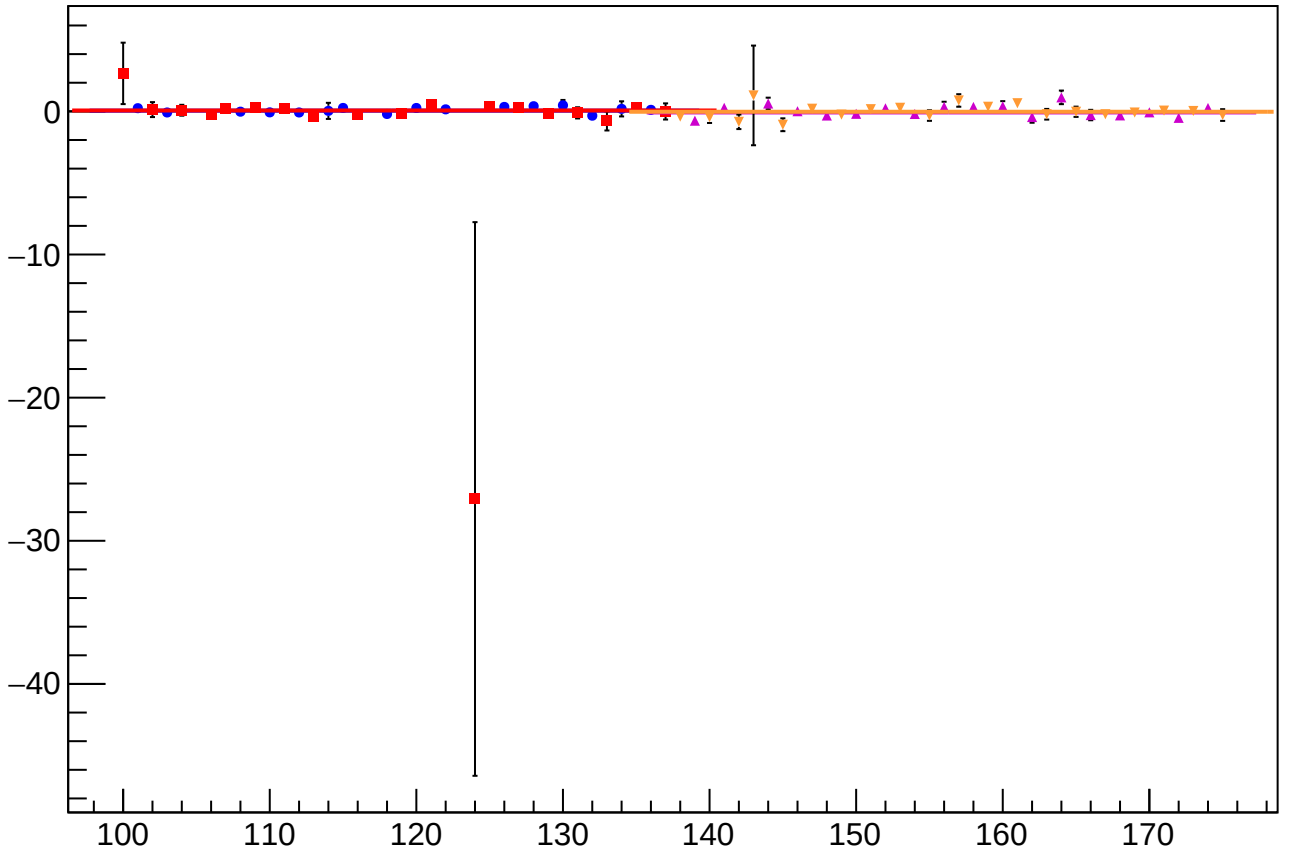
Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1254540.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 3280635.7/35

All: 0.000+/-0.000 χ^2/NDF: 10766861.5/72

- sign 0.000+/-0.000 χ^2/NDF: 6796254.2/36



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.027+/-0.067 χ^2/NDF:19.8/19

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

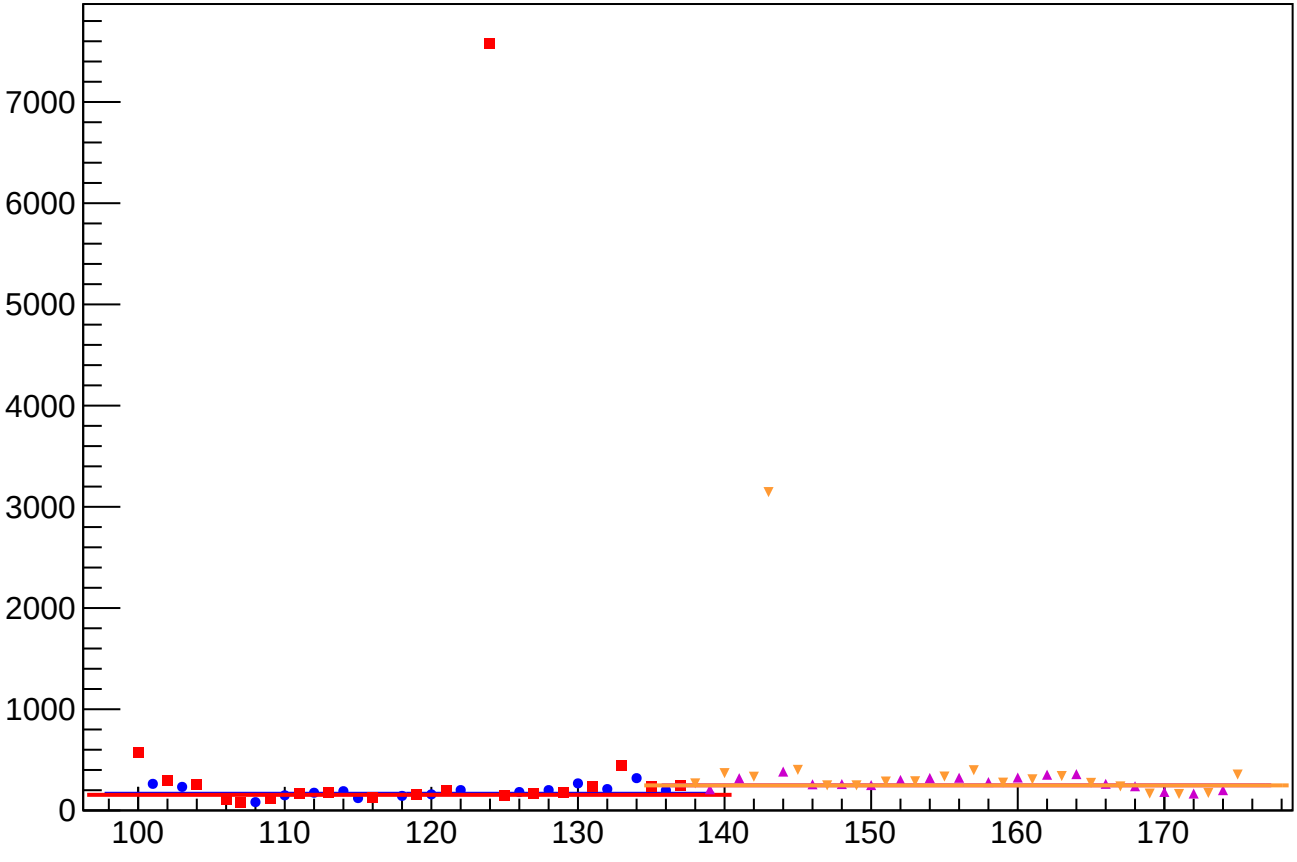
Left In: -0.075+/-0.067 χ^2/NDF:27.3/17

+ sign 0.011+/-0.047 χ^2/NDF: 28.1/35

All: 0.003+/-0.033 χ^2/NDF: 76.0/72

- sign -0.004+/-0.047 χ^2/NDF: 47.9/36

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 247.753+/-0.047 χ^2/NDF:3683857.2/19

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

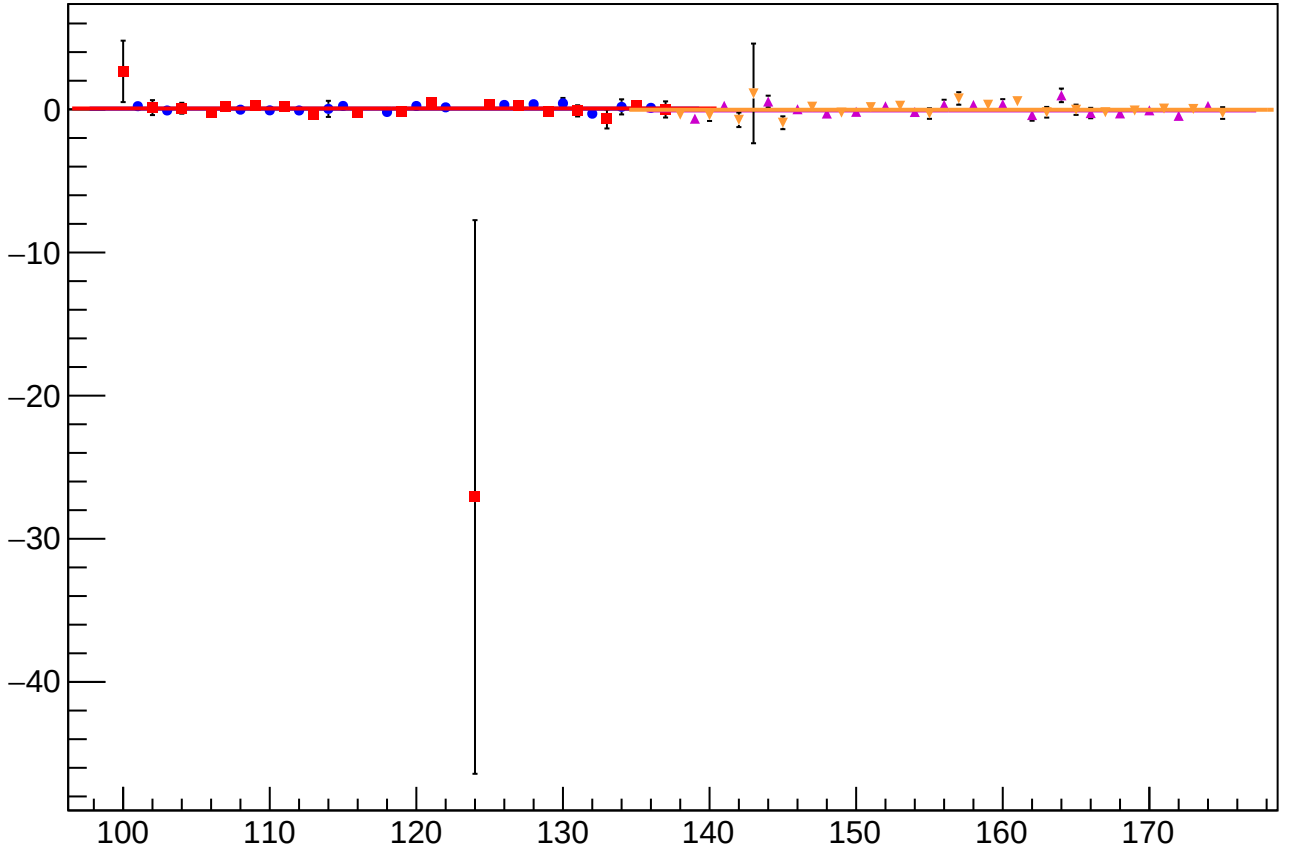
Left In: 248.844+/-0.048 χ^2/NDF:1626759.3/17

+ sign 205.850+/-0.033 χ^2/NDF: 6699446.8/35

All: 202.635+/-0.023 χ^2/NDF: 12320917.4/72

- sign 199.510+/-0.033 χ^2/NDF: 5603184.8/36

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.027+/-0.067 χ^2/NDF:19.8/19

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

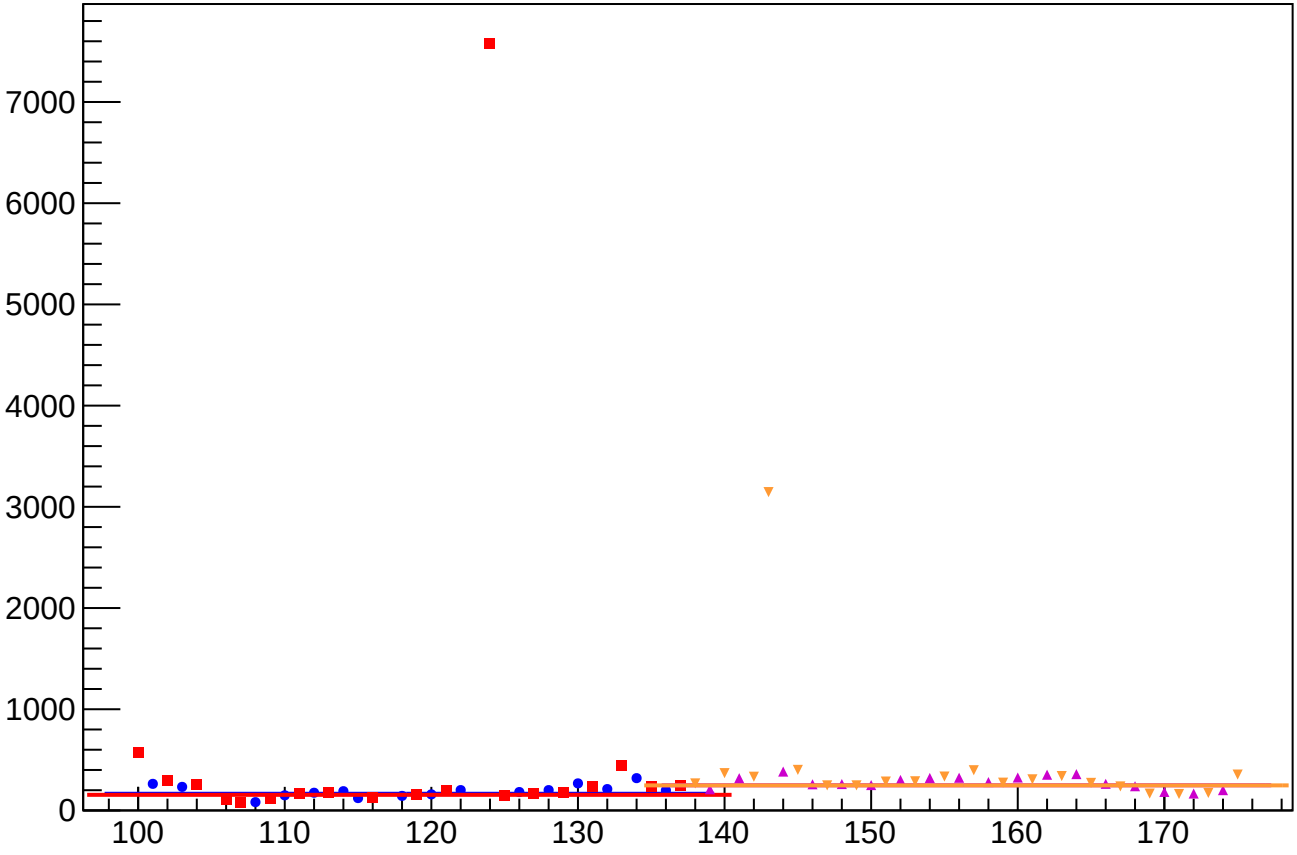
Left In: -0.075+/-0.067 χ^2/NDF:27.3/17

+ sign 0.011+/-0.047 χ^2/NDF: 28.1/35

All: 0.003+/-0.033 χ^2/NDF: 76.0/72

- sign -0.004+/-0.047 χ^2/NDF: 47.9/36

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 247.753+/-0.047 χ^2/NDF:3683857.2/19

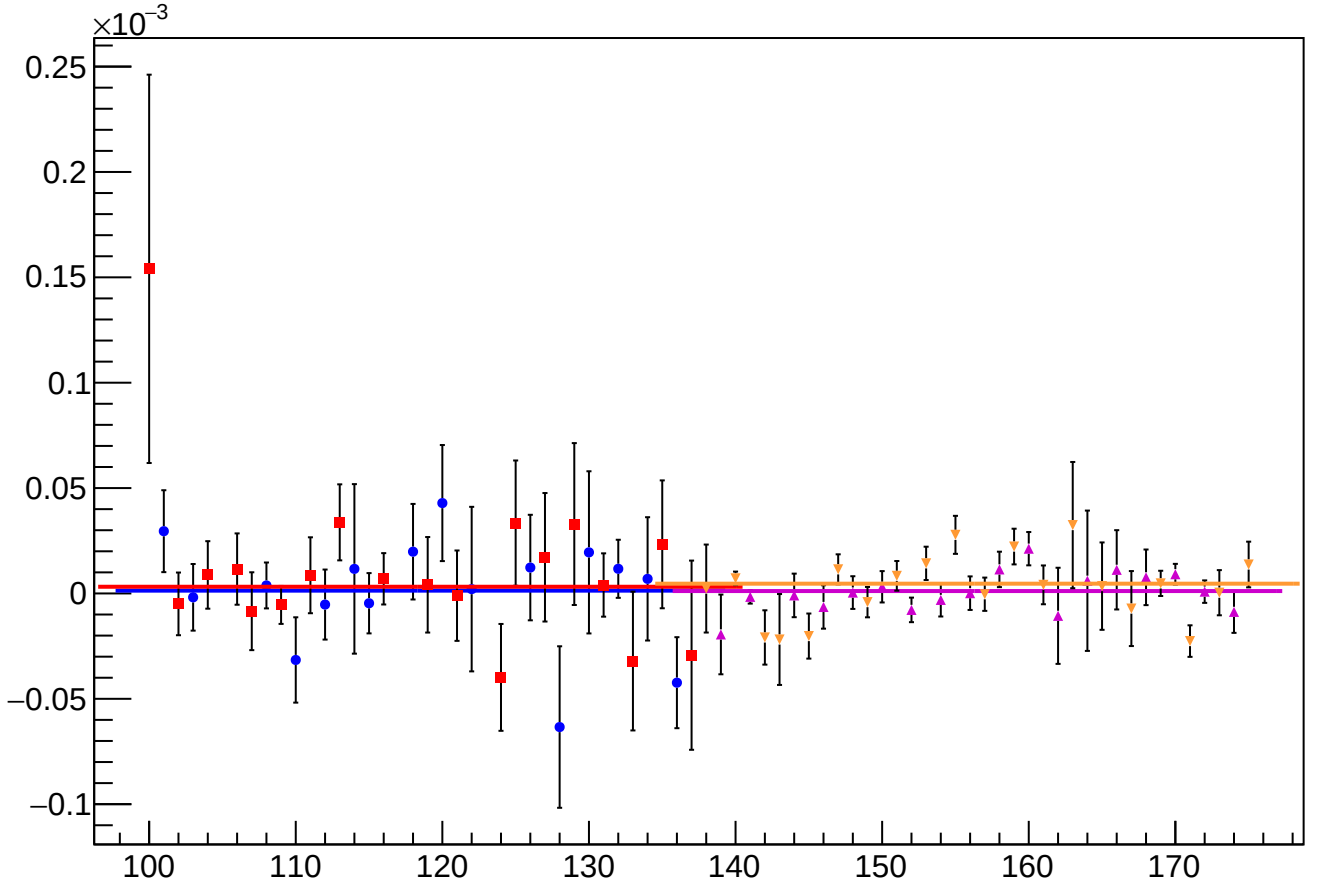
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 248.844+/-0.048 χ^2/NDF:1626759.3/17

+ sign 205.850+/-0.033 χ^2/NDF: 6699446.8/35

All: 202.635+/-0.023 χ^2/NDF: 12320917.4/72

- sign 199.510+/-0.033 χ^2/NDF: 5603184.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.4/19

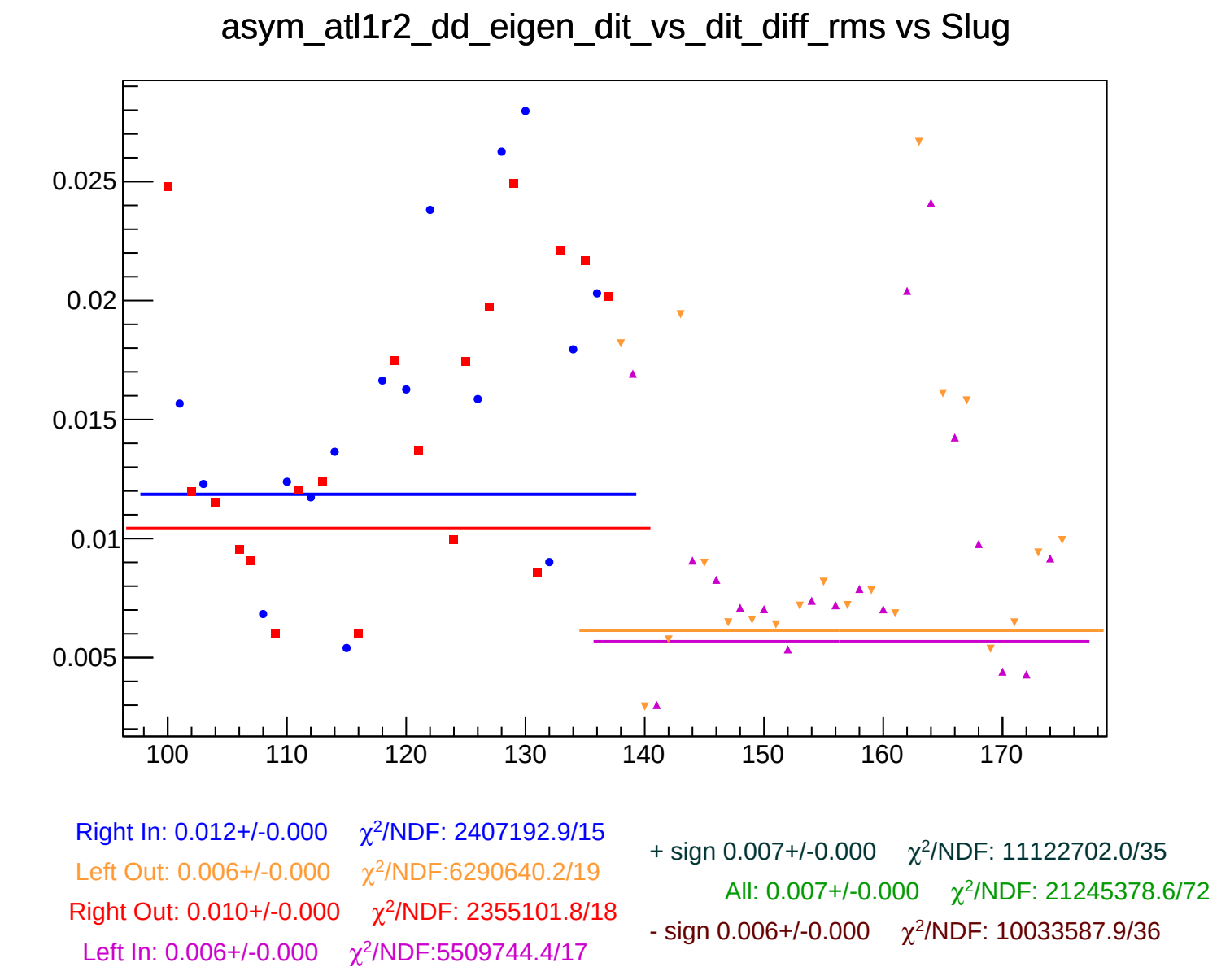
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

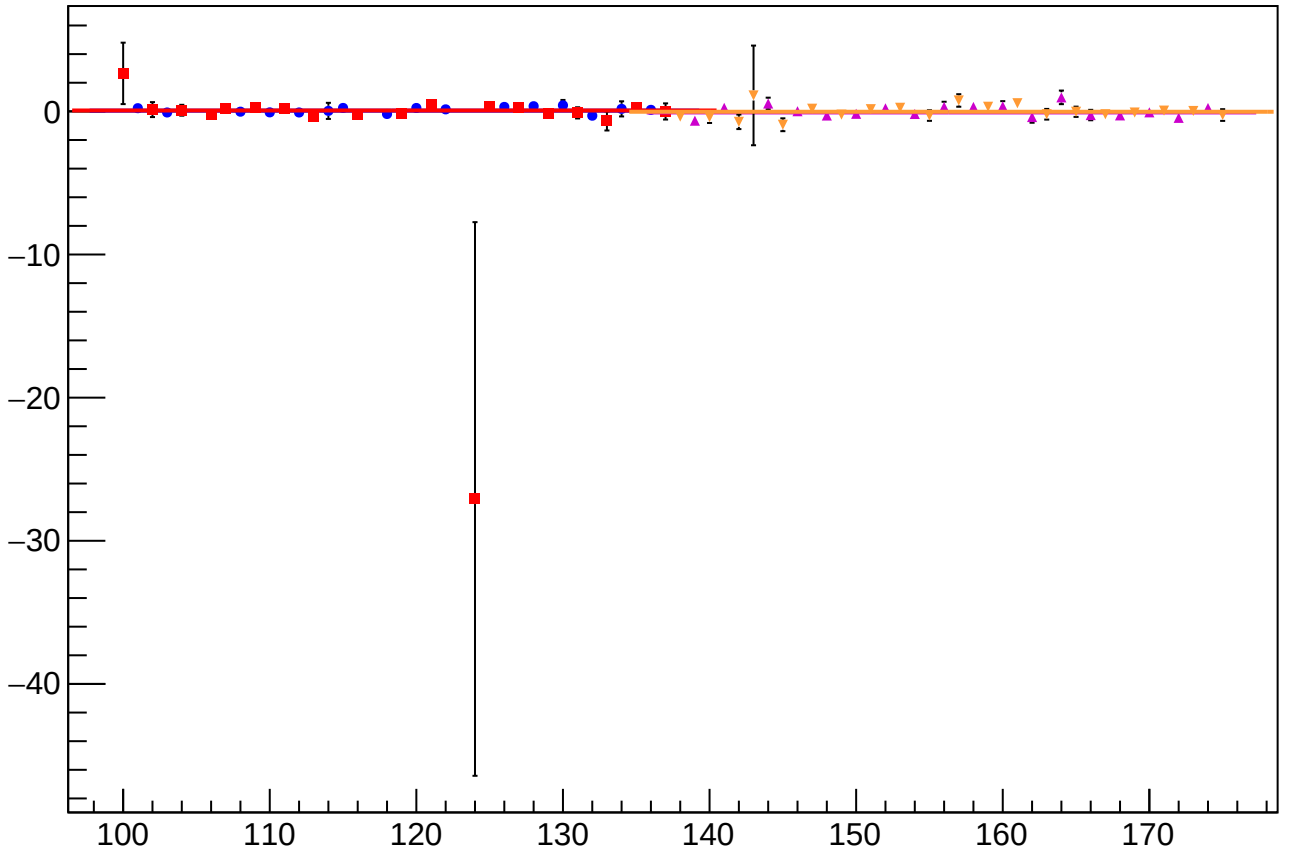
Left In: 0.000+/-0.000 χ^2/NDF:17.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 58.9/35

All: 0.000+/-0.000 χ^2/NDF: 92.8/72

- sign 0.000+/-0.000 χ^2/NDF: 32.4/36


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:6290640.2/19
Right Out: 0.010+/-0.000 χ²/NDF: 2355101.8/18
Left In: 0.006+/-0.000 χ²/NDF:5509744.4/17
+ sign 0.007+/-0.000 χ²/NDF: 11122702.0/35
All: 0.007+/-0.000 χ²/NDF: 21245378.6/72
- sign 0.006+/-0.000 χ²/NDF: 10033587.9/36



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.027+/-0.067 χ^2/NDF:19.8/19

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

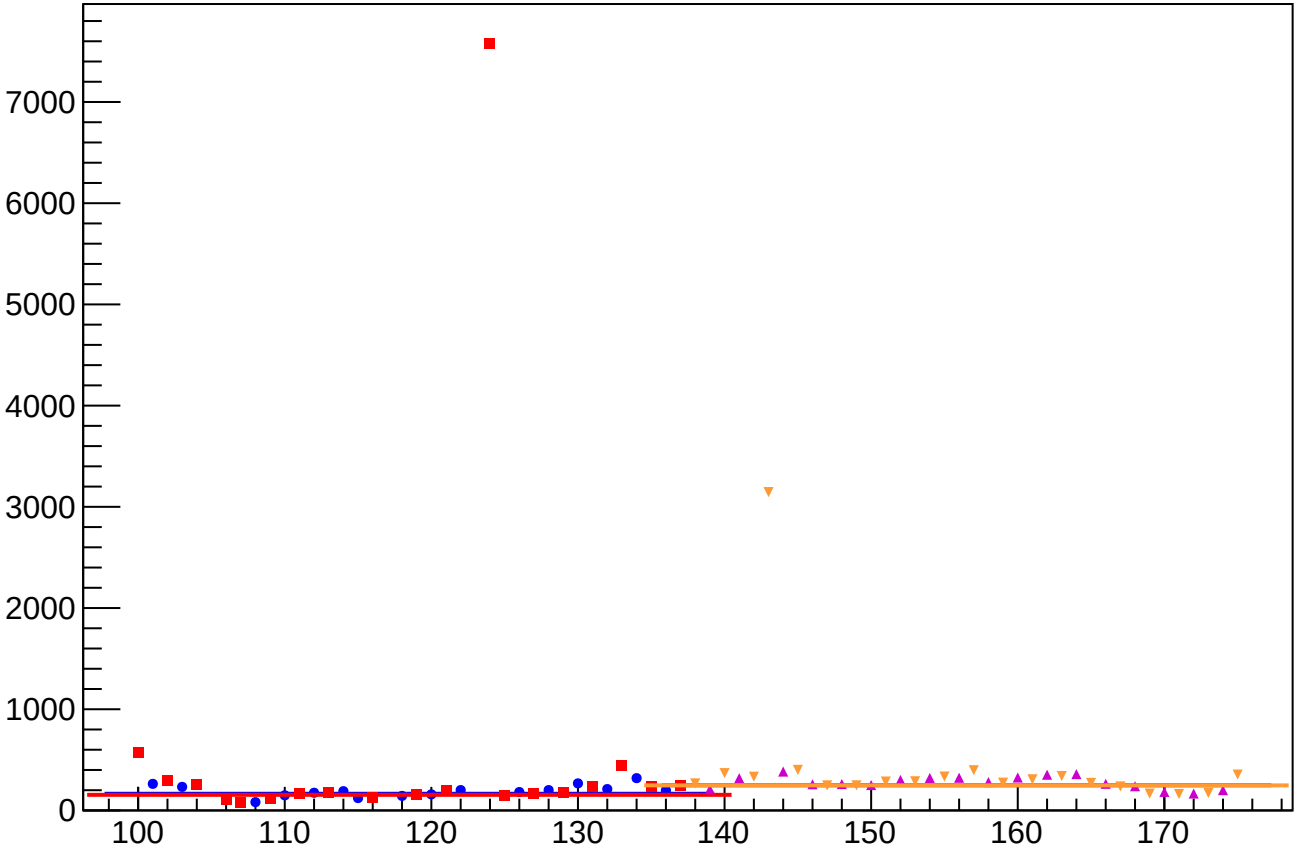
Left In: -0.075+/-0.067 χ^2/NDF:27.3/17

+ sign 0.011+/-0.047 χ^2/NDF: 28.1/35

All: 0.003+/-0.033 χ^2/NDF: 76.0/72

- sign -0.004+/-0.047 χ^2/NDF: 47.9/36

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 247.754+/-0.047 χ^2/NDF:3683975.1/19

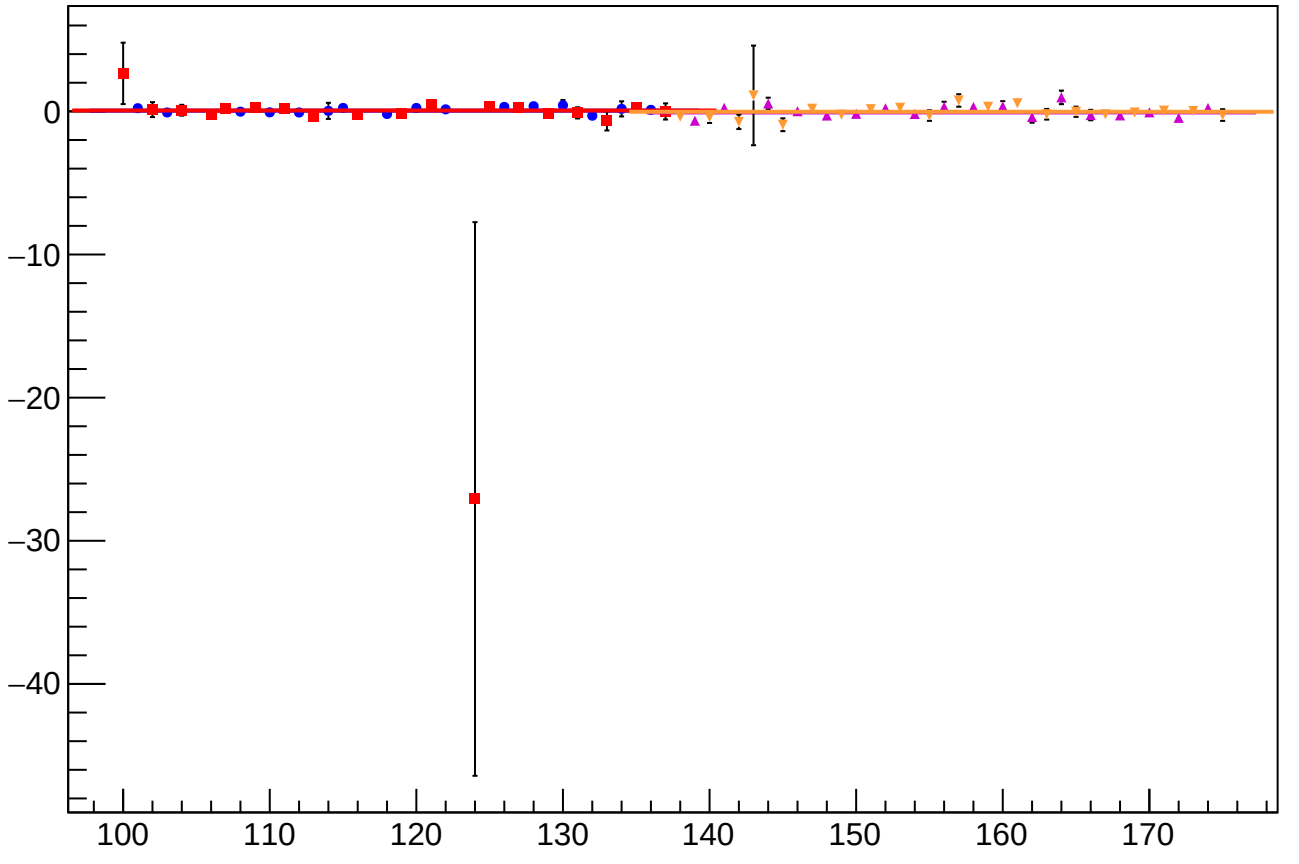
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 248.846+/-0.048 χ^2/NDF:1626804.0/17

+ sign 205.850+/-0.033 χ^2/NDF: 6699584.2/35

All: 202.635+/-0.023 χ^2/NDF: 12321222.5/72

- sign 199.511+/-0.033 χ^2/NDF: 5603355.0/36



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.027+/-0.067 χ^2/NDF:19.8/19

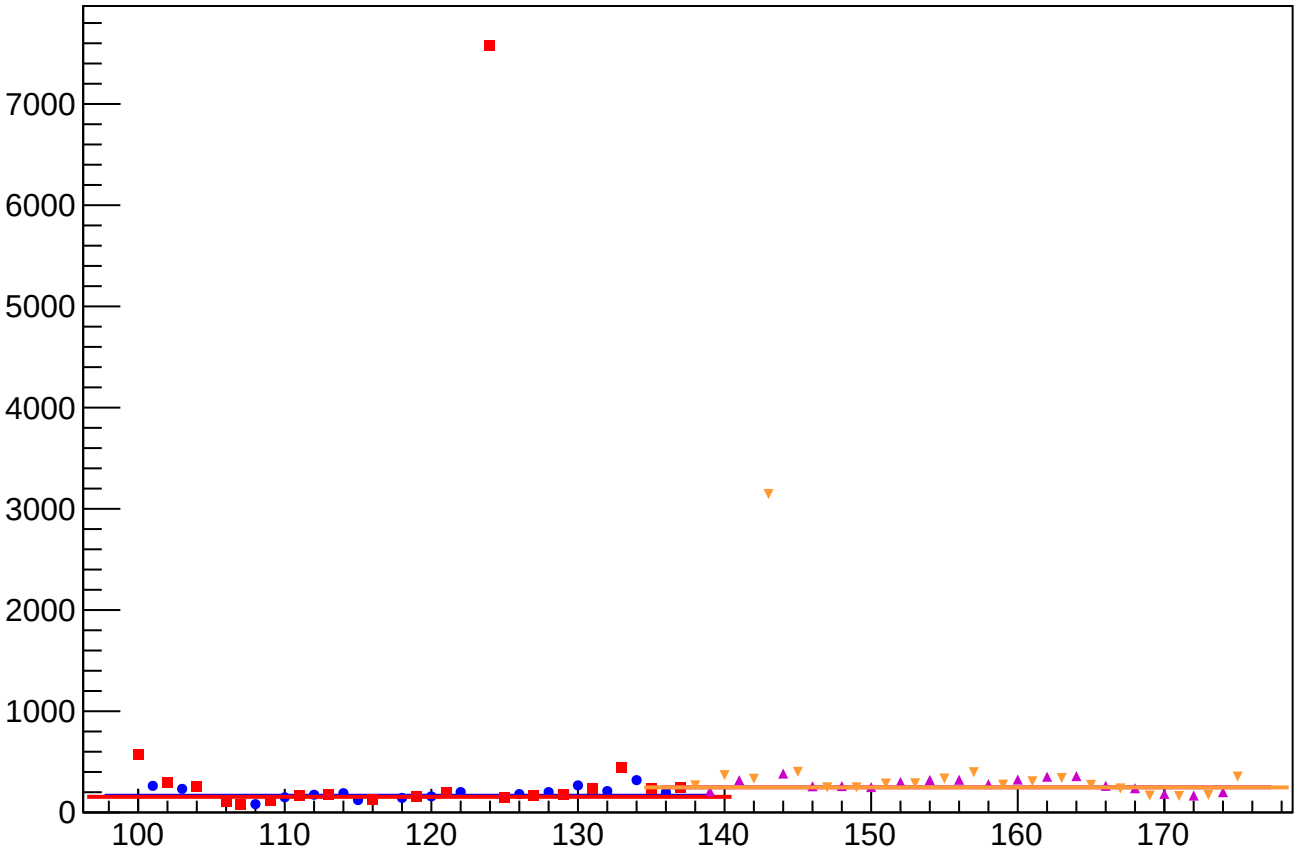
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.075+/-0.067 χ^2/NDF:27.3/17

+ sign 0.011+/-0.047 χ^2/NDF: 28.1/35

All: 0.003+/-0.033 χ^2/NDF: 76.0/72

- sign -0.004+/-0.047 χ^2/NDF: 47.9/36



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 247.754+/-0.047 χ^2/NDF:3683975.1/19

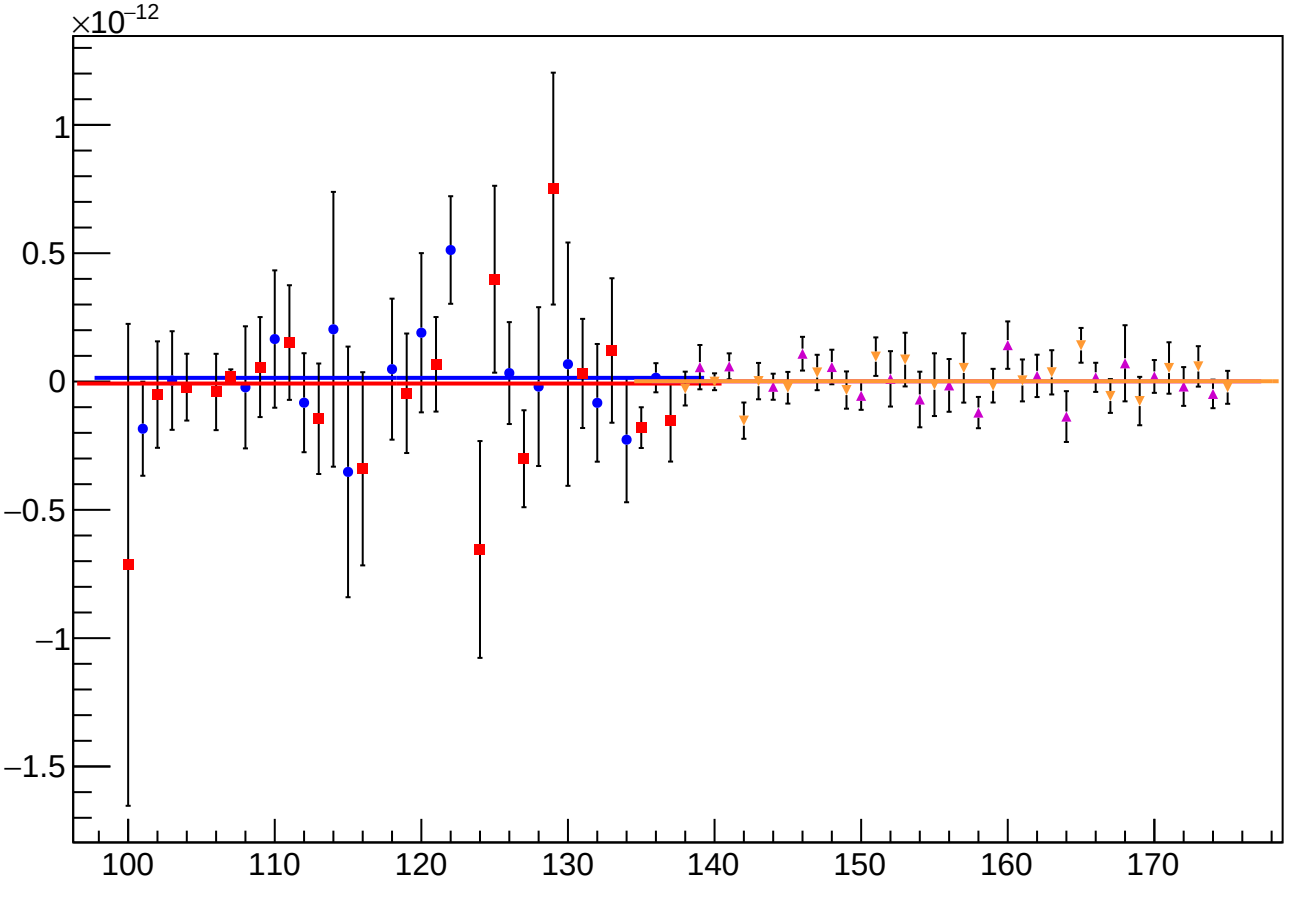
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 248.846+/-0.048 χ^2/NDF:1626804.0/17

+ sign 205.850+/-0.033 χ^2/NDF: 6699584.2/35

All: 202.635+/-0.023 χ^2/NDF: 12321222.5/72

- sign 199.511+/-0.033 χ^2/NDF: 5603355.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/19

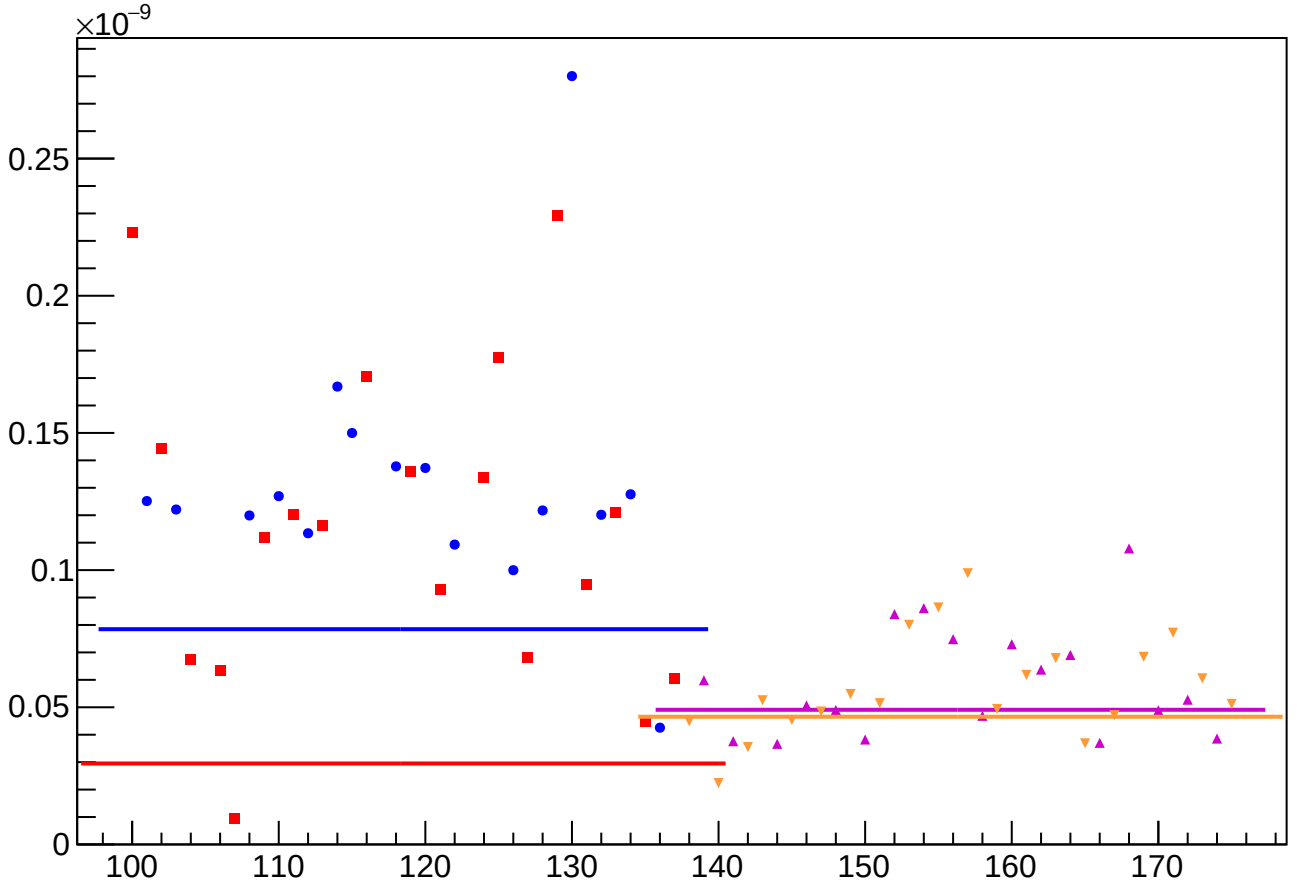
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 24.6/35

All: 0.000+/-0.000 χ^2/NDF: 59.4/72

- sign -0.000+/-0.000 χ^2/NDF: 34.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2511105.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

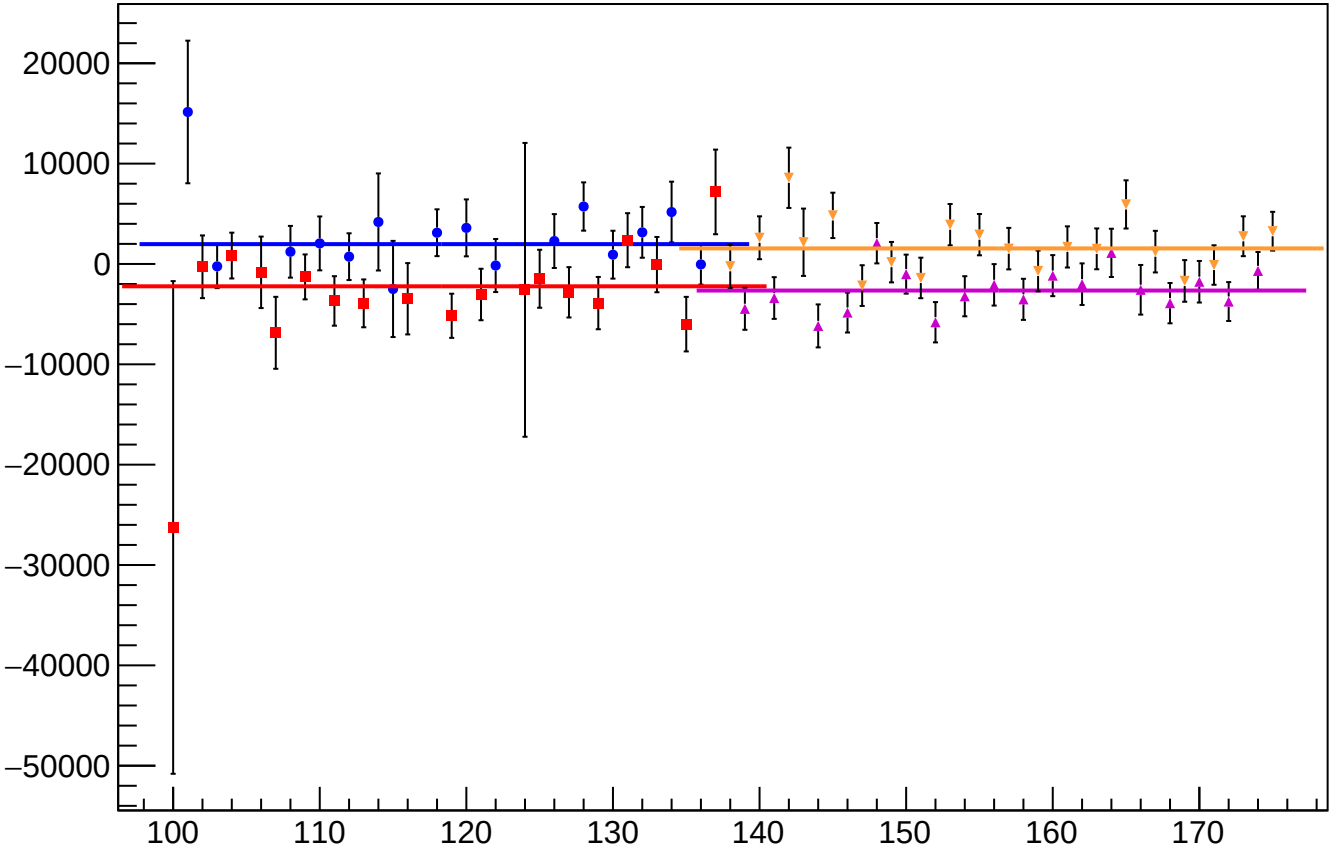
Left In: 0.000+/-0.000 χ^2/NDF:1662065.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 5613827.6/35

All: 0.000+/-0.000 χ^2/NDF: 14041136.5/72

- sign 0.000+/-0.000 χ^2/NDF: 8111218.5/36

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1549.103+/-476.248 χ^2/NDF:25.1/19

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

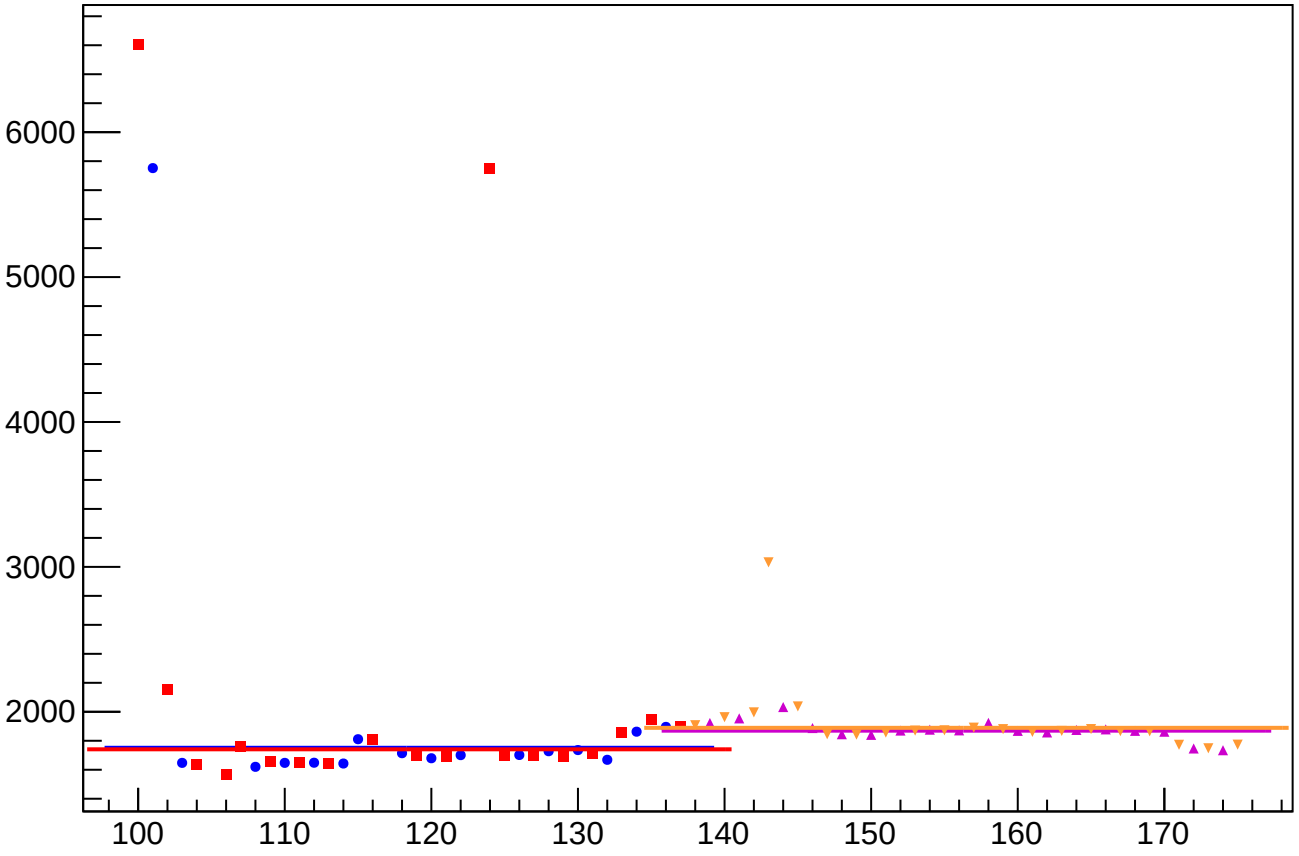
Left In: -2648.112+/-484.994 χ^2/NDF:18.9/17

+ sign 1693.150+/-387.727 χ^2/NDF: 37.5/35

All: -390.468+/-274.981 χ^2/NDF: 133.7/72

- sign -2499.075+/-390.045 χ^2/NDF: 38.1/36

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1889.280+/-0.337 χ^2/NDF:273693.4/19

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

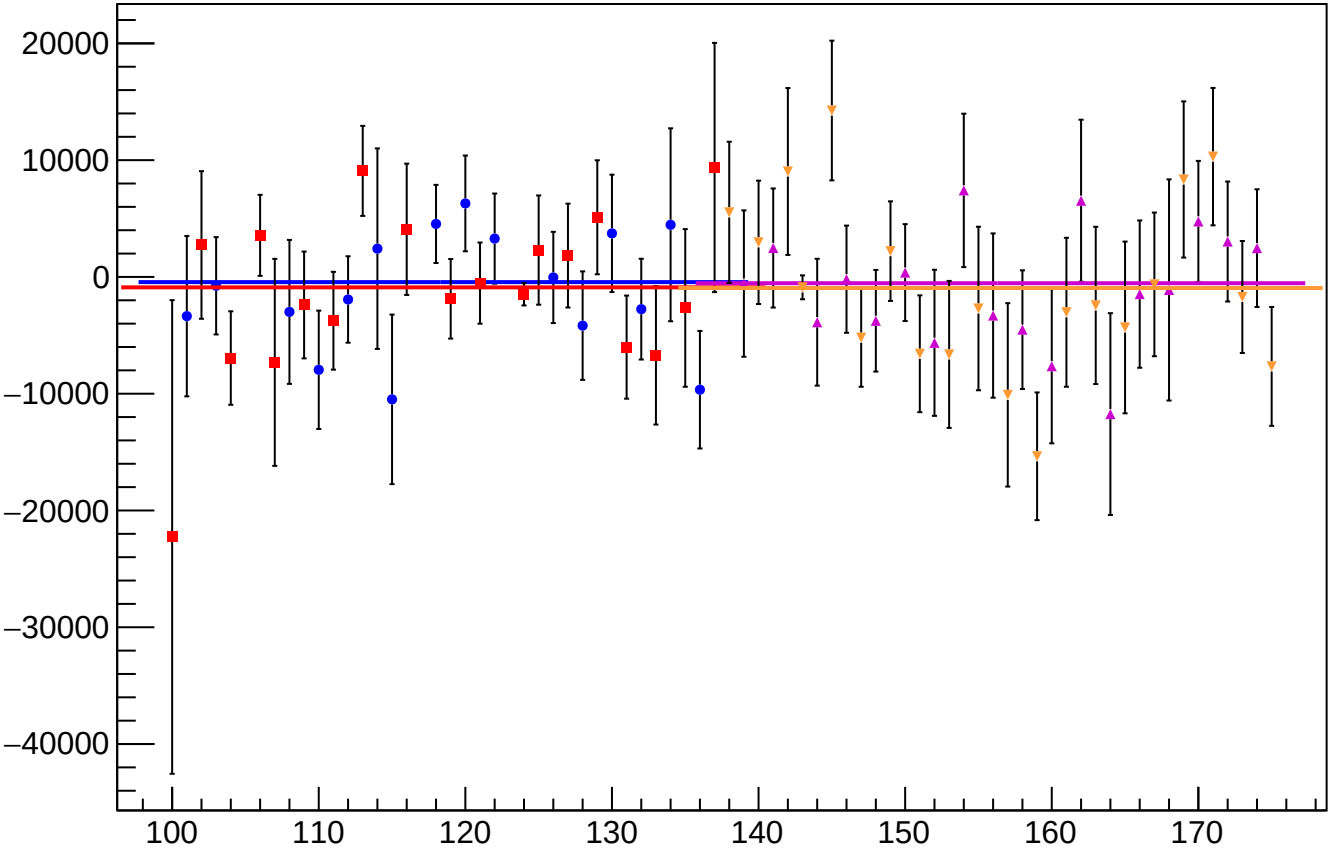
Left In: 1869.763+/-0.343 χ^2/NDF:36965.0/17

+ sign 1842.858+/-0.274 χ^2/NDF: 1000701.3/35

All: 1833.393+/-0.194 χ^2/NDF: 1394943.4/72

- sign 1823.865+/-0.275 χ^2/NDF: 391850.5/36

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -951.158+/-806.074 χ^2/NDF:29.8/19

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

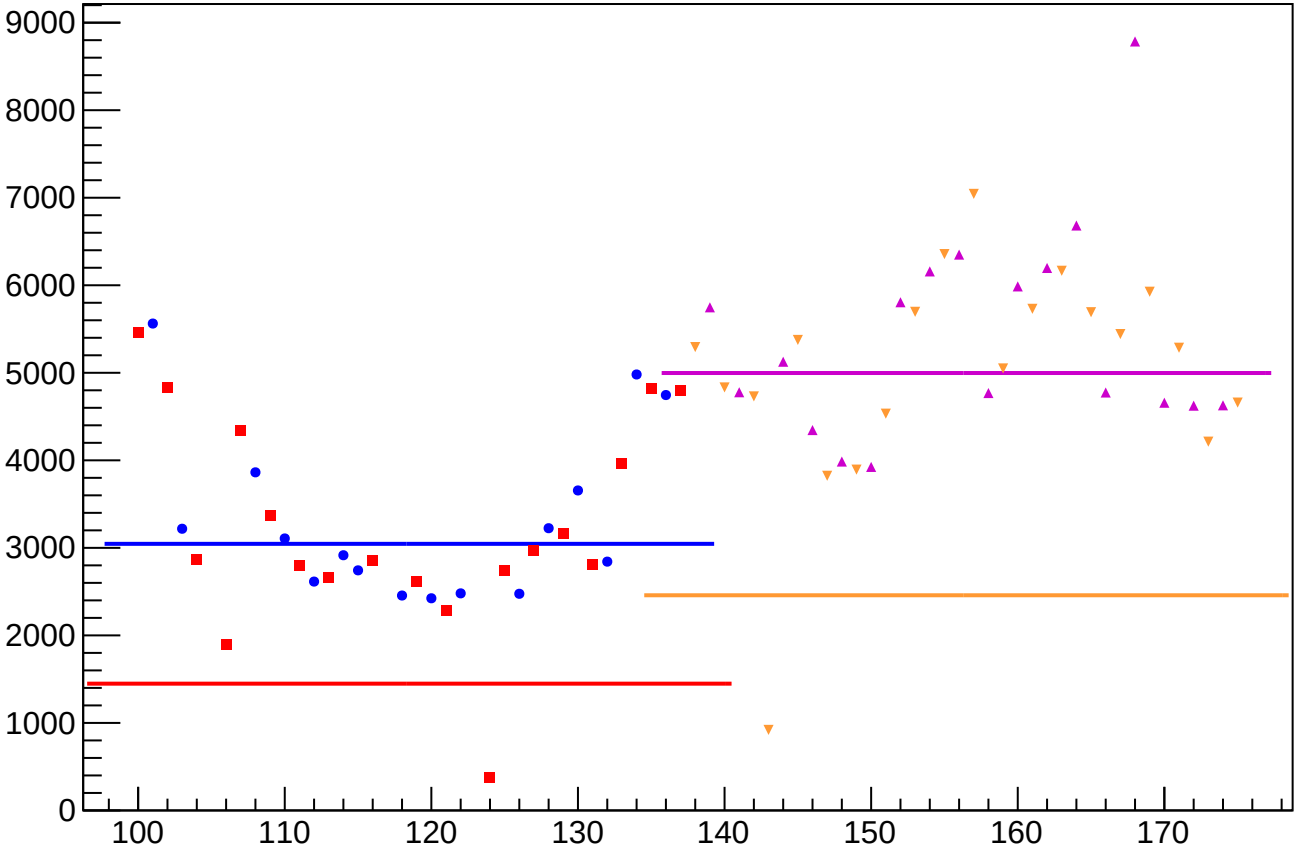
Left In: -538.530+/-1322.480 χ^2/NDF:10.0/17

+ sign -788.843+/-664.598 χ^2/NDF: 45.9/35

All: -800.077+/-459.585 χ^2/NDF: 76.0/72

- sign -810.372+/-636.232 χ^2/NDF: 30.1/36

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2458.347+/-0.570 χ^2/NDF:12741237.5/19

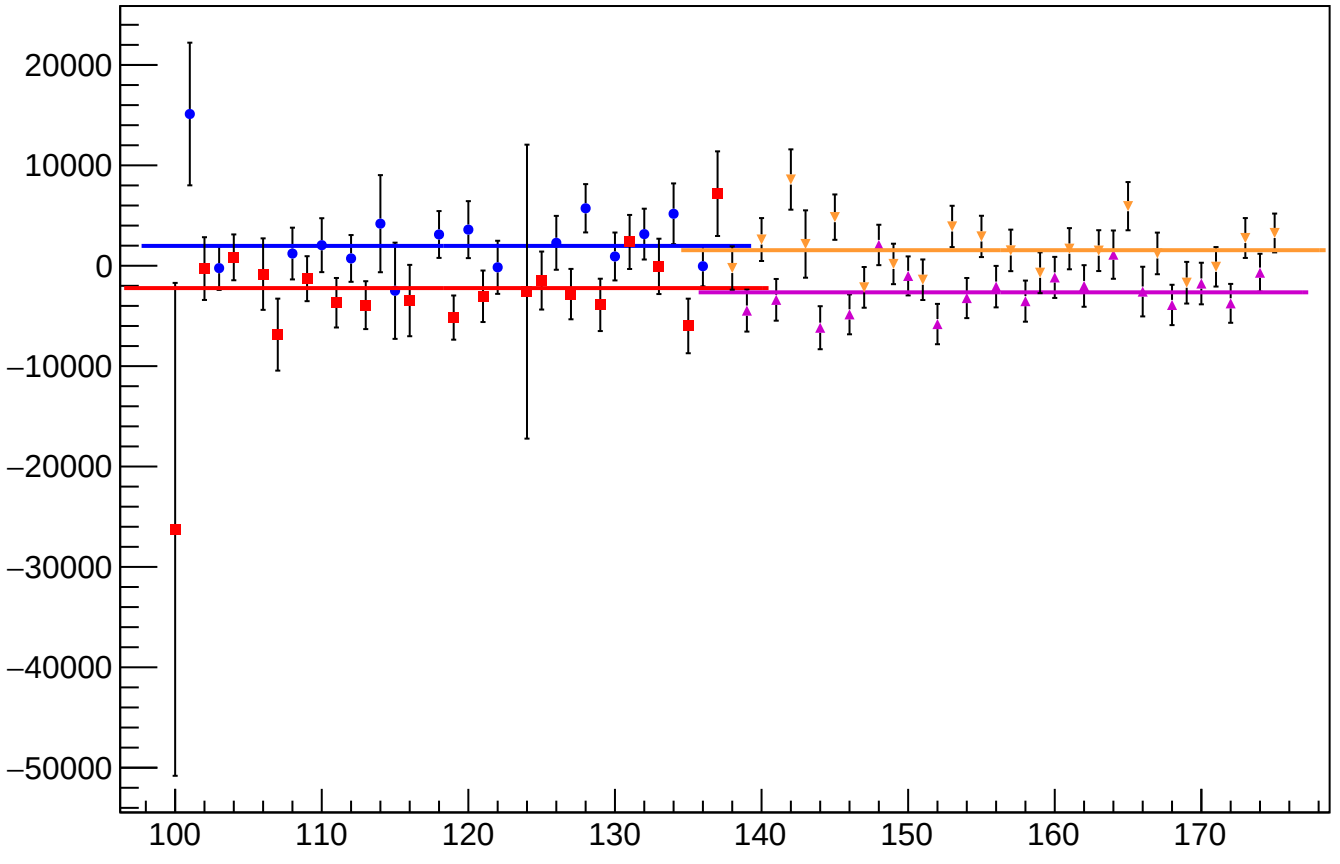
Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4997.531+/-0.935 χ^2/NDF:1022660.2/17

+ sign 2646.499+/-0.470 χ^2/NDF: 13988913.8/35

All: 2450.008+/-0.325 χ^2/NDF: 33203342.0/7

- sign 2269.931+/-0.450 χ^2/NDF: 18879385.3/36



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1549.108+/-476.248 χ^2/NDF:25.1/19

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

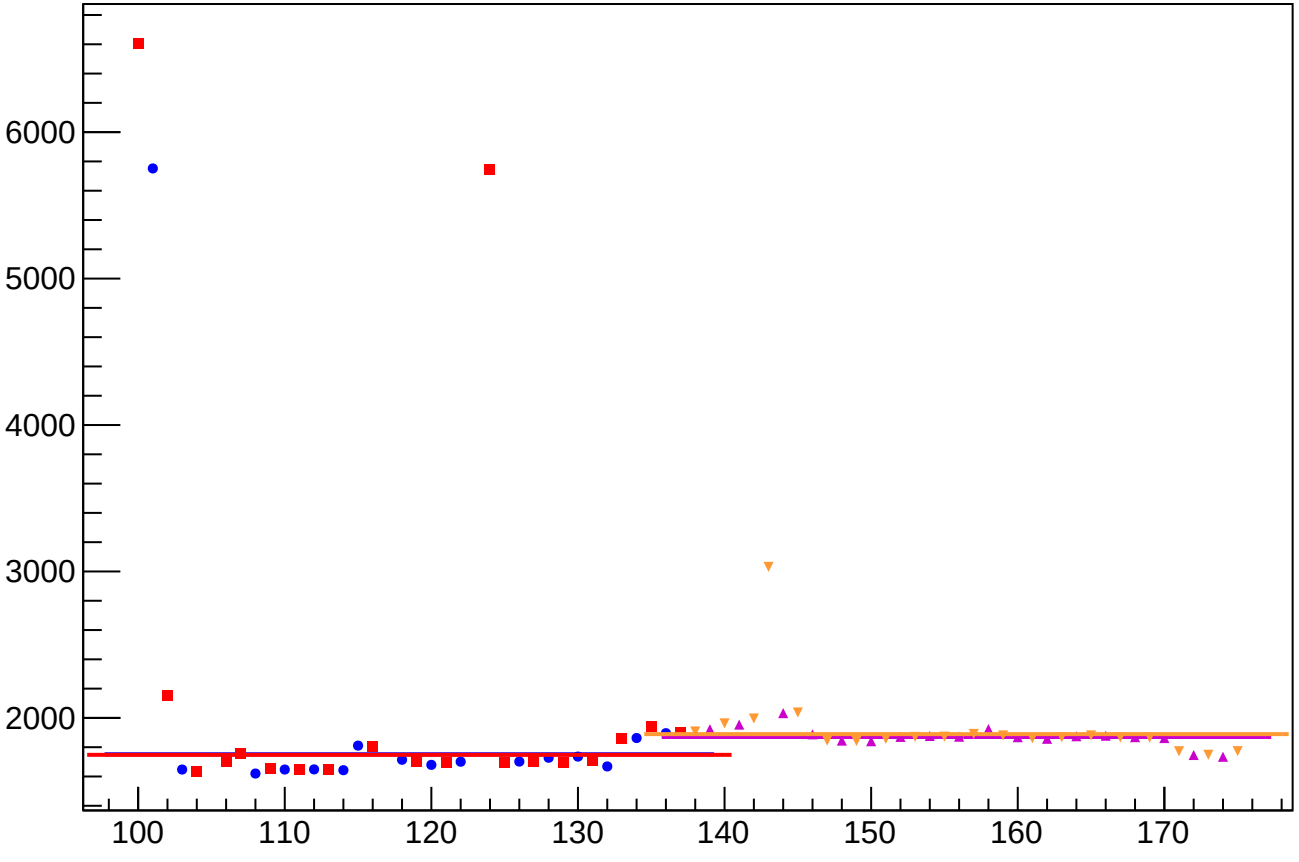
Left In: -2648.169+/-484.994 χ^2/NDF:18.9/17

+ sign 1693.034+/-387.727 χ^2/NDF: 37.5/35

All: -390.562+/-274.981 χ^2/NDF: 133.7/72

- sign -2499.145+/-390.045 χ^2/NDF: 38.1/36

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1889.280+/-0.337 χ^2/NDF:273693.4/19

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

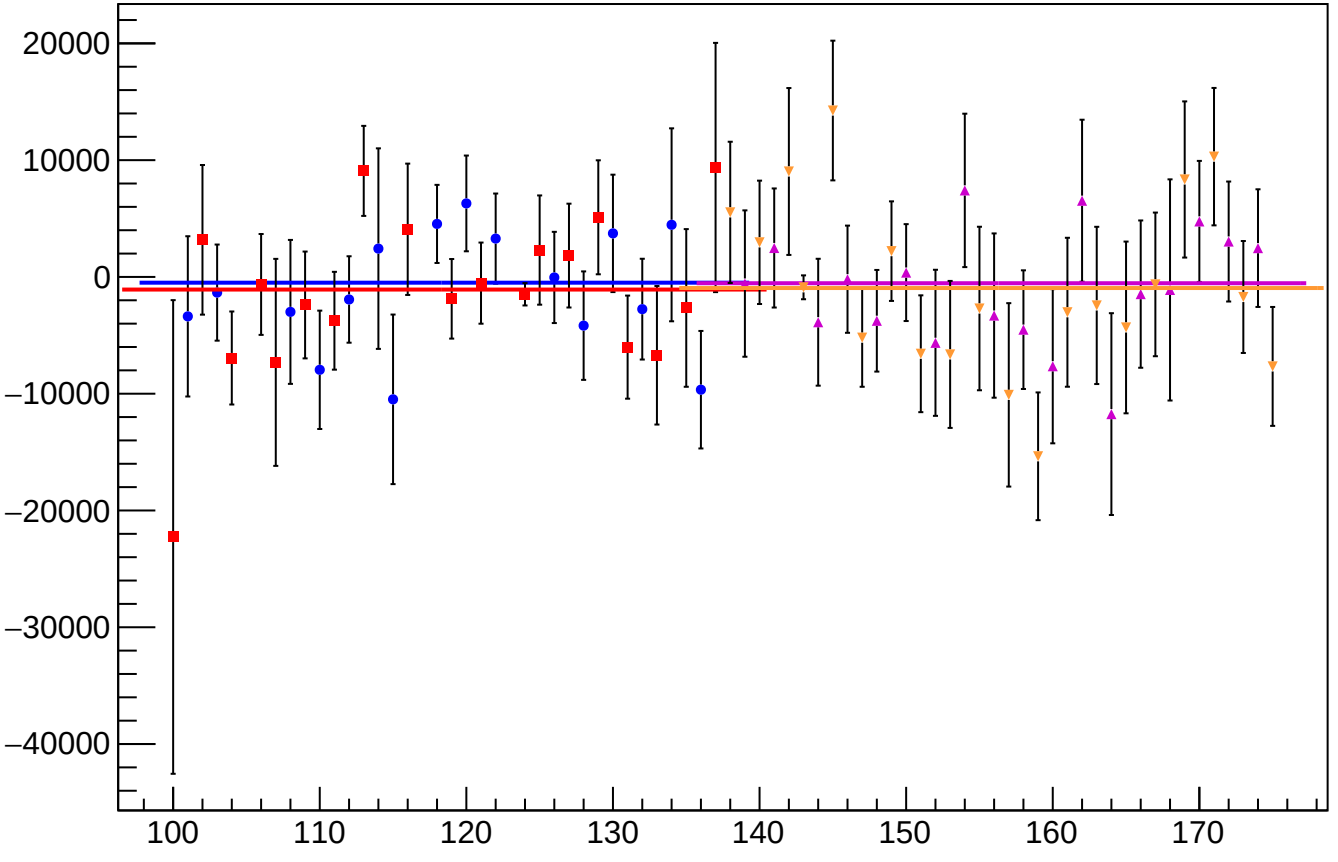
Left In: 1869.763+/-0.343 χ^2/NDF:36965.0/17

+ sign 1842.858+/-0.274 χ^2/NDF: 1000701.8/35

All: 1834.701+/-0.194 χ^2/NDF: 1382264.1/72

- sign 1826.469+/-0.275 χ^2/NDF: 379783.9/36

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -951.004+/-806.054 χ^2/NDF:29.8/19

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

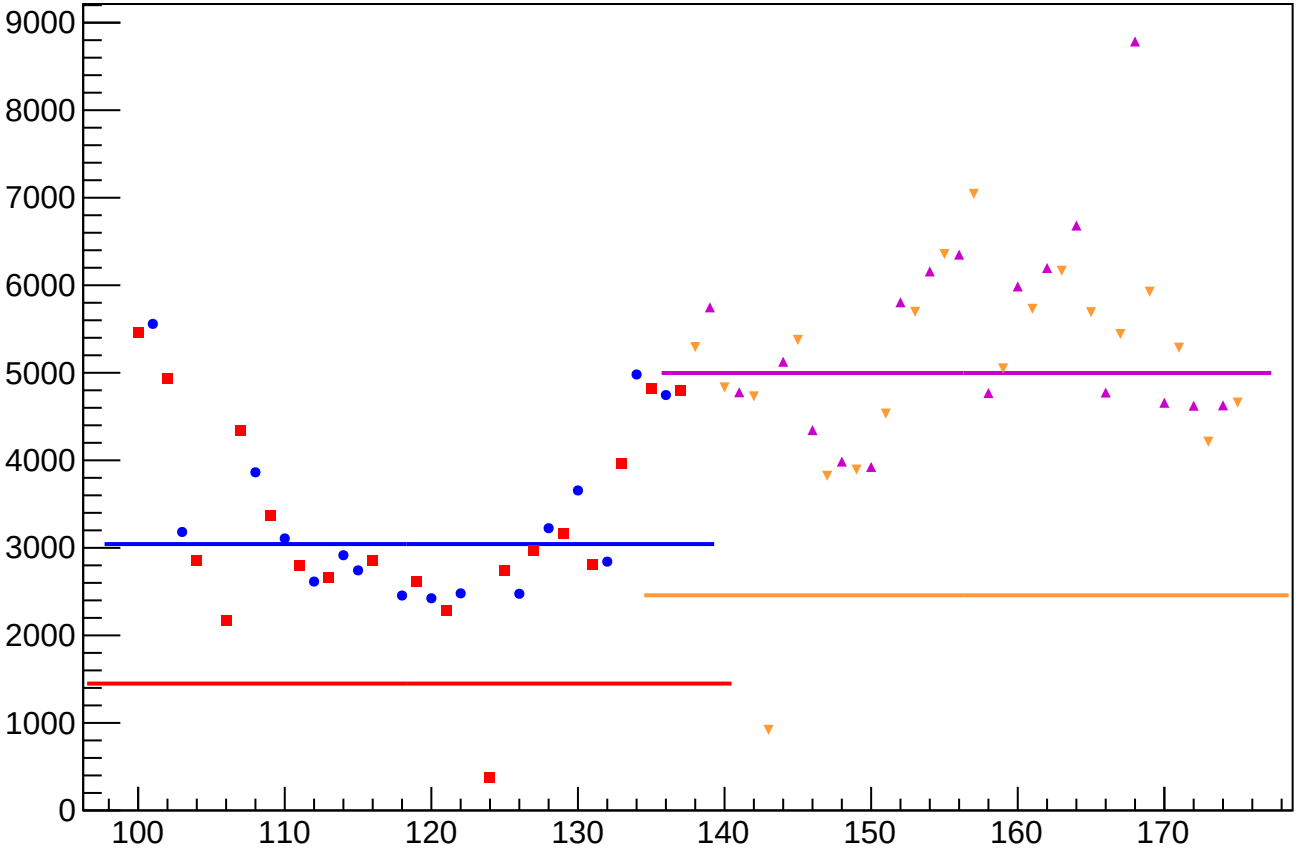
Left In: -538.606+/-1322.480 χ^2/NDF:10.0/17

+ sign -804.114+/-664.367 χ^2/NDF: 45.9/35

All: -881.787+/-460.951 χ^2/NDF: 74.5/72

- sign -953.884+/-640.077 χ^2/NDF: 28.6/36

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2458.245+/-0.570 χ^2/NDF:12741830.7/19

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

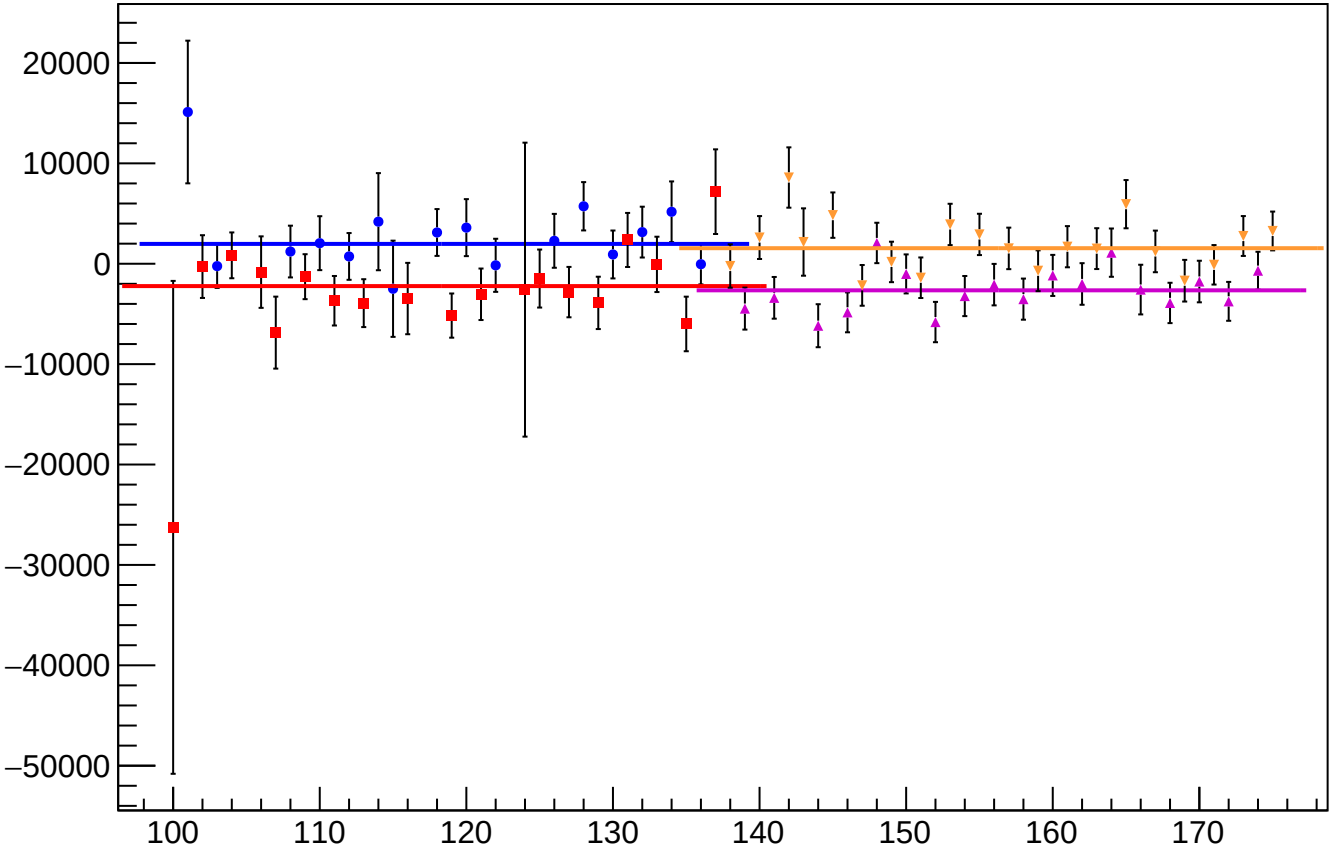
Left In: 4997.531+/-0.935 χ^2/NDF:1022658.6/17

+ sign 2645.838+/-0.470 χ^2/NDF: 13985317.3/35

All: 2456.446+/-0.326 χ^2/NDF: 33170289.1/7

- sign 2280.650+/-0.453 χ^2/NDF: 18871576.5/36

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1549.108+/-476.248 χ^2/NDF:25.1/19

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

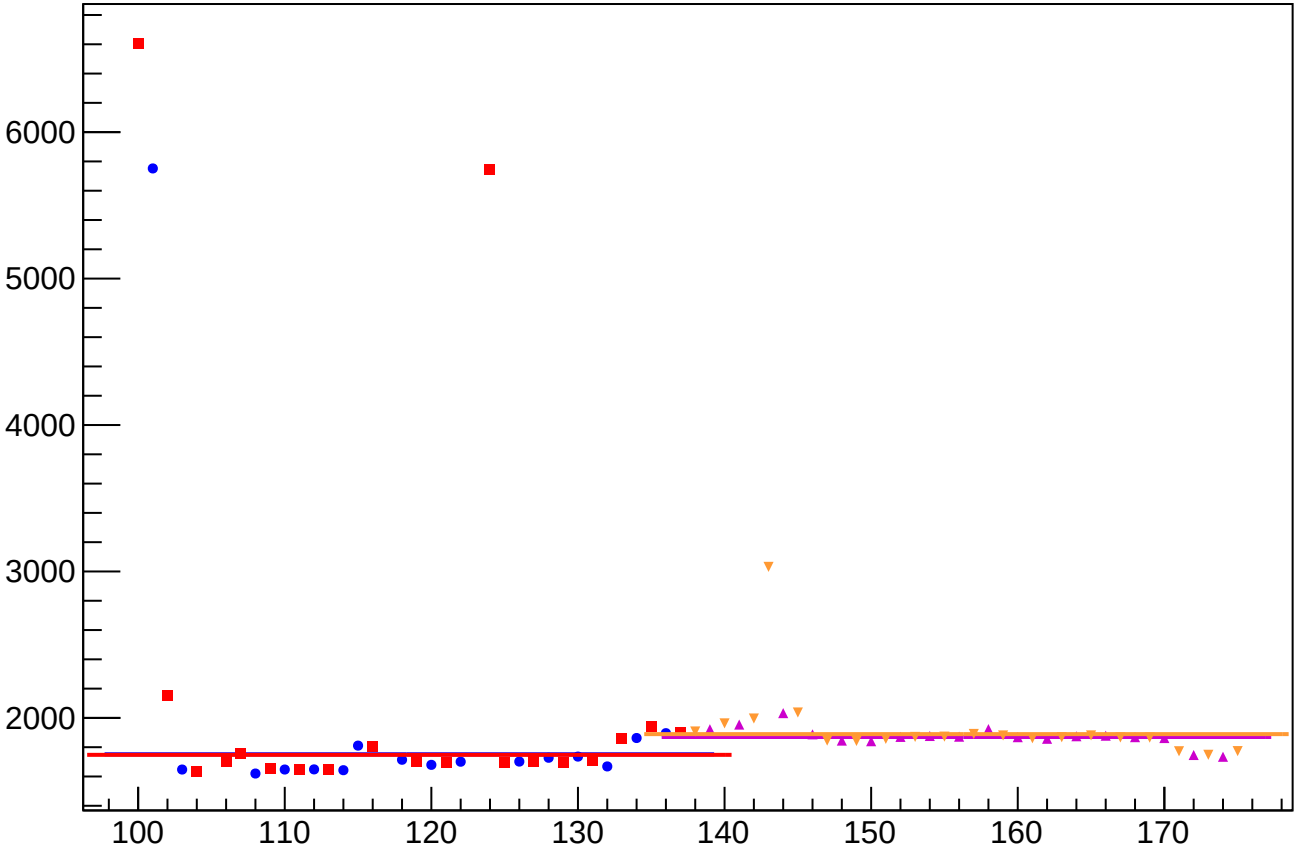
Left In: -2648.169+/-484.994 χ^2/NDF:18.9/17

+ sign 1693.034+/-387.727 χ^2/NDF: 37.5/35

All: -390.562+/-274.981 χ^2/NDF: 133.7/72

- sign -2499.145+/-390.045 χ^2/NDF: 38.1/36

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1889.280+/-0.337 χ^2/NDF:273693.4/19

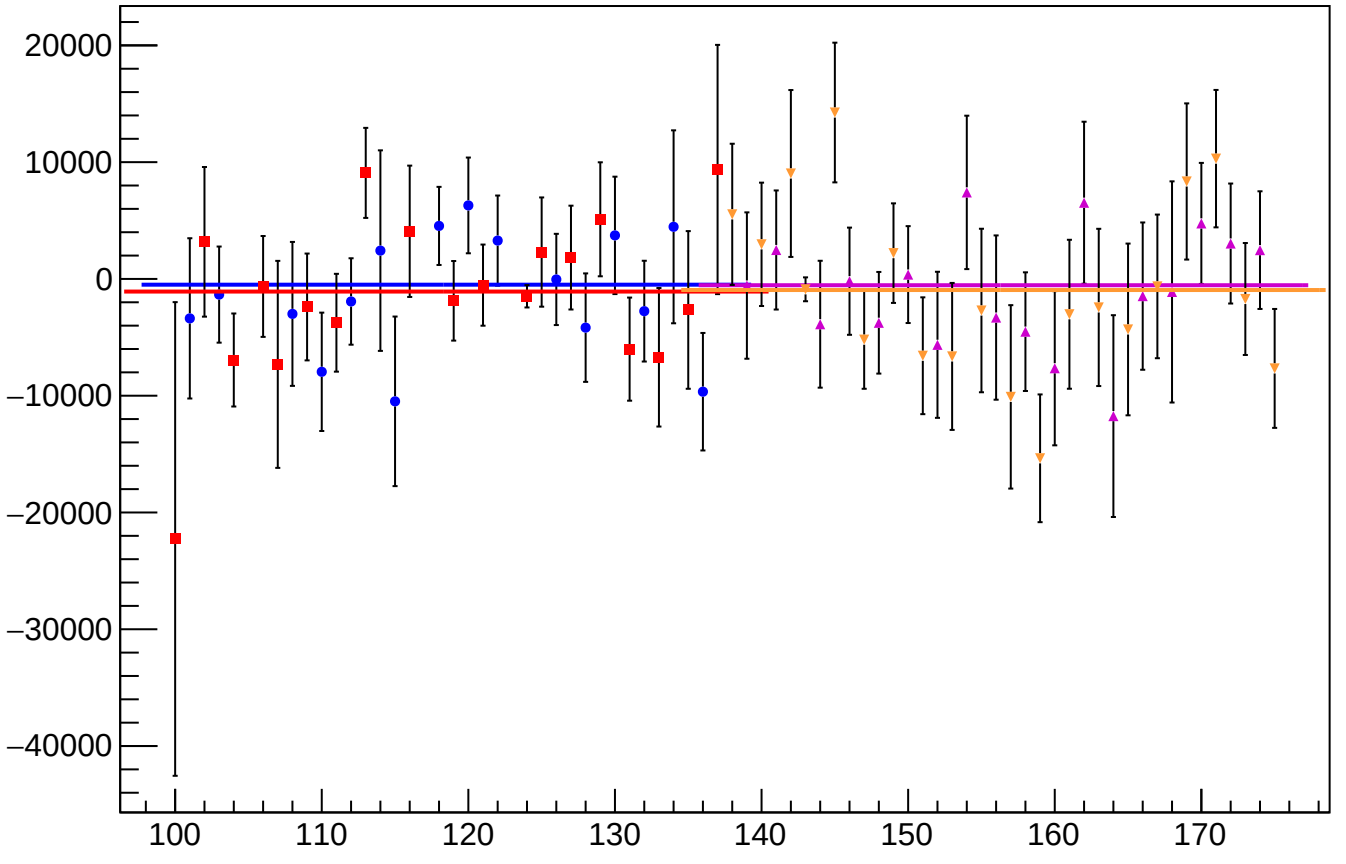
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1869.763+/-0.343 χ^2/NDF:36965.0/17

+ sign 1842.858+/-0.274 χ^2/NDF: 1000701.8/35

All: 1834.701+/-0.194 χ^2/NDF: 1382264.1/72

- sign 1826.469+/-0.275 χ^2/NDF: 379783.9/36



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -951.004+/-806.054 χ^2/NDF:29.8/19

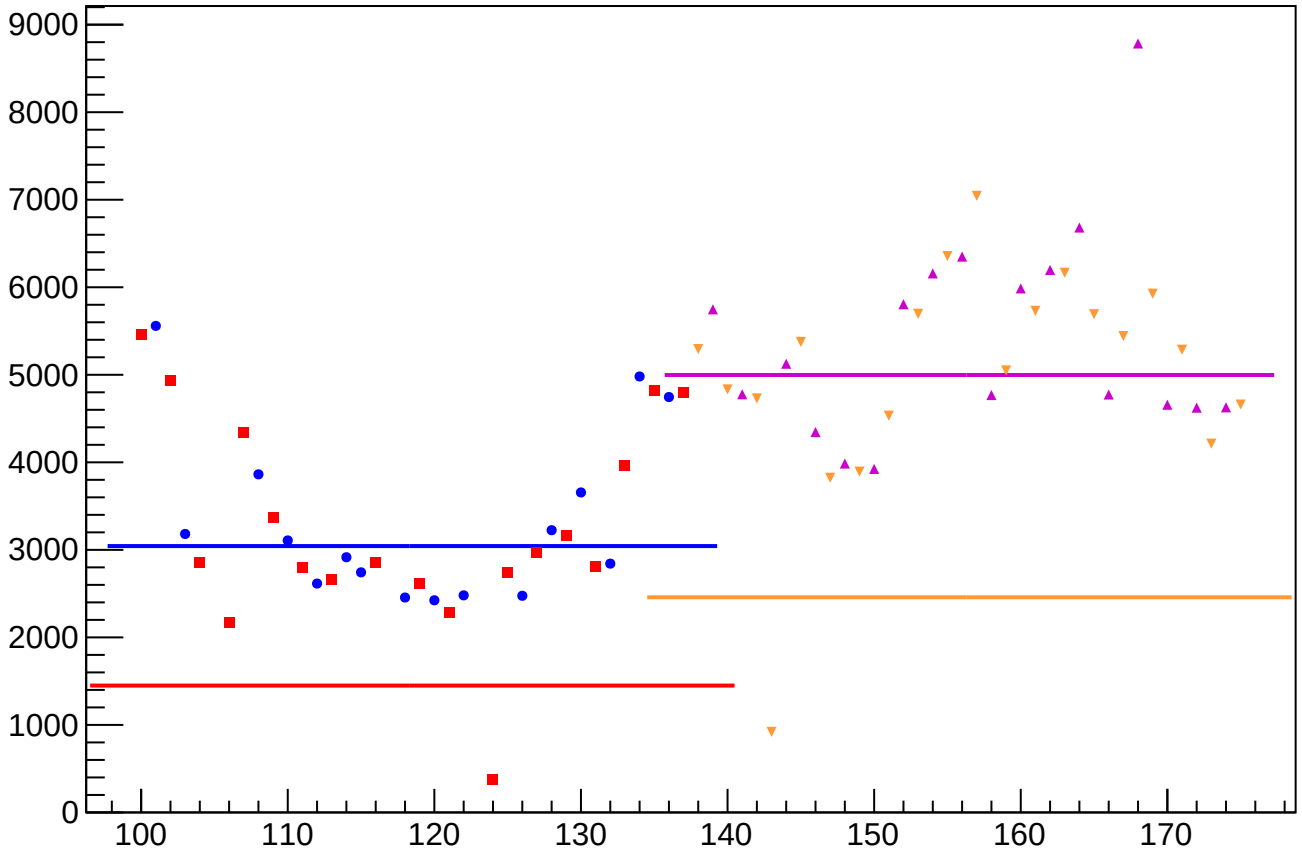
Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: -538.606+/-1322.480 χ^2/NDF:10.0/17

+ sign -804.114+/-664.367 χ^2/NDF: 45.9/35

All: -881.787+/-460.951 χ^2/NDF: 74.5/72

- sign -953.884+/-640.077 χ^2/NDF: 28.6/36



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2458.245+/-0.570 χ^2/NDF:12741830.7/19

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

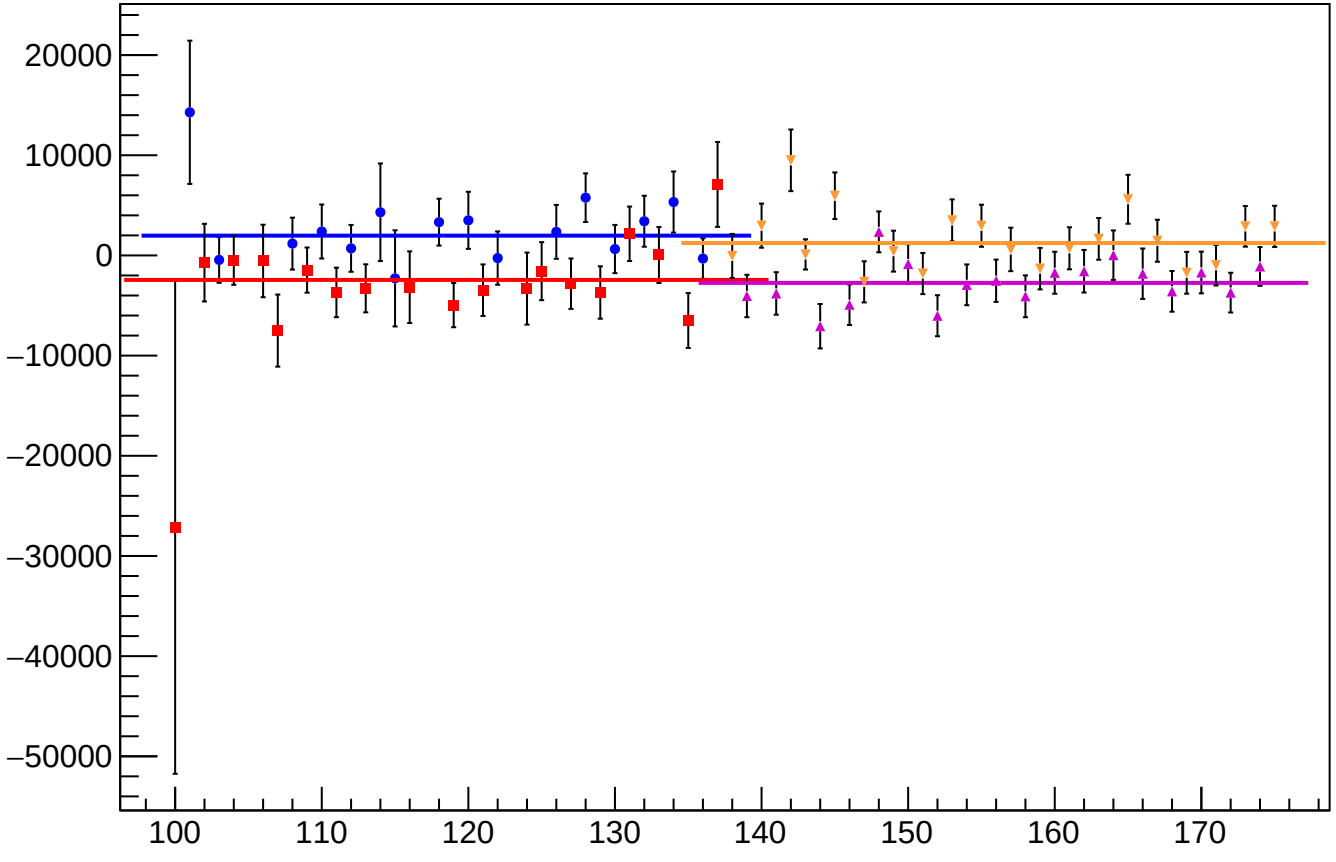
Left In: 4997.531+/-0.935 χ^2/NDF:1022658.6/17

+ sign 2645.838+/-0.470 χ^2/NDF: 13985317.3/35

All: 2456.446+/-0.326 χ^2/NDF: 33170289.1/7

- sign 2280.650+/-0.453 χ^2/NDF: 18871576.5/36

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1241.281+/-468.245 χ^2/NDF:30.1/19

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

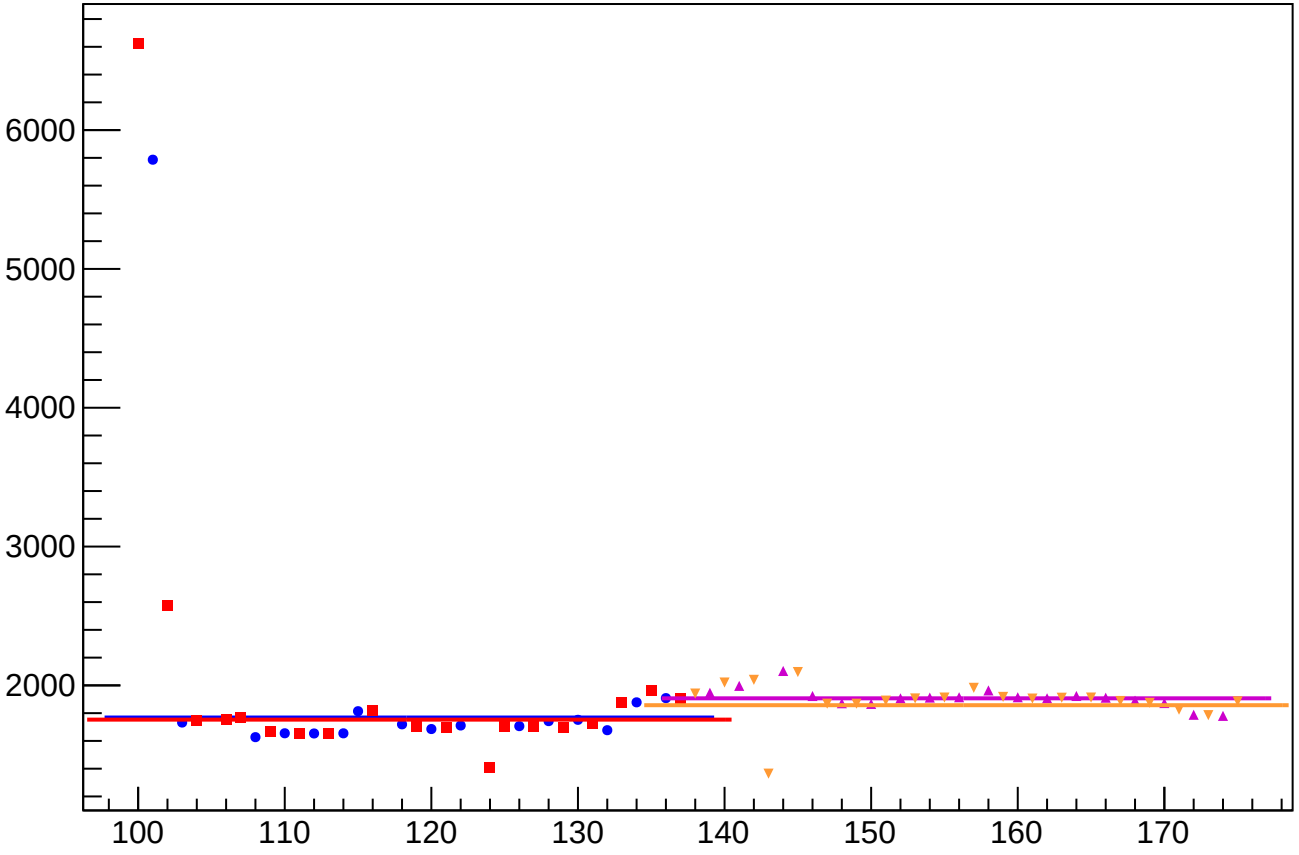
Left In: -2741.217+/-494.655 χ^2/NDF:19.0/17

+ sign 1480.348+/-384.568 χ^2/NDF: 43.3/35

All: -520.058+/-275.654 χ^2/NDF: 135.6/72

- sign -2633.904+/-395.322 χ^2/NDF: 36.6/36

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1857.273+/-0.331 χ^2/NDF:274008.9/19

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

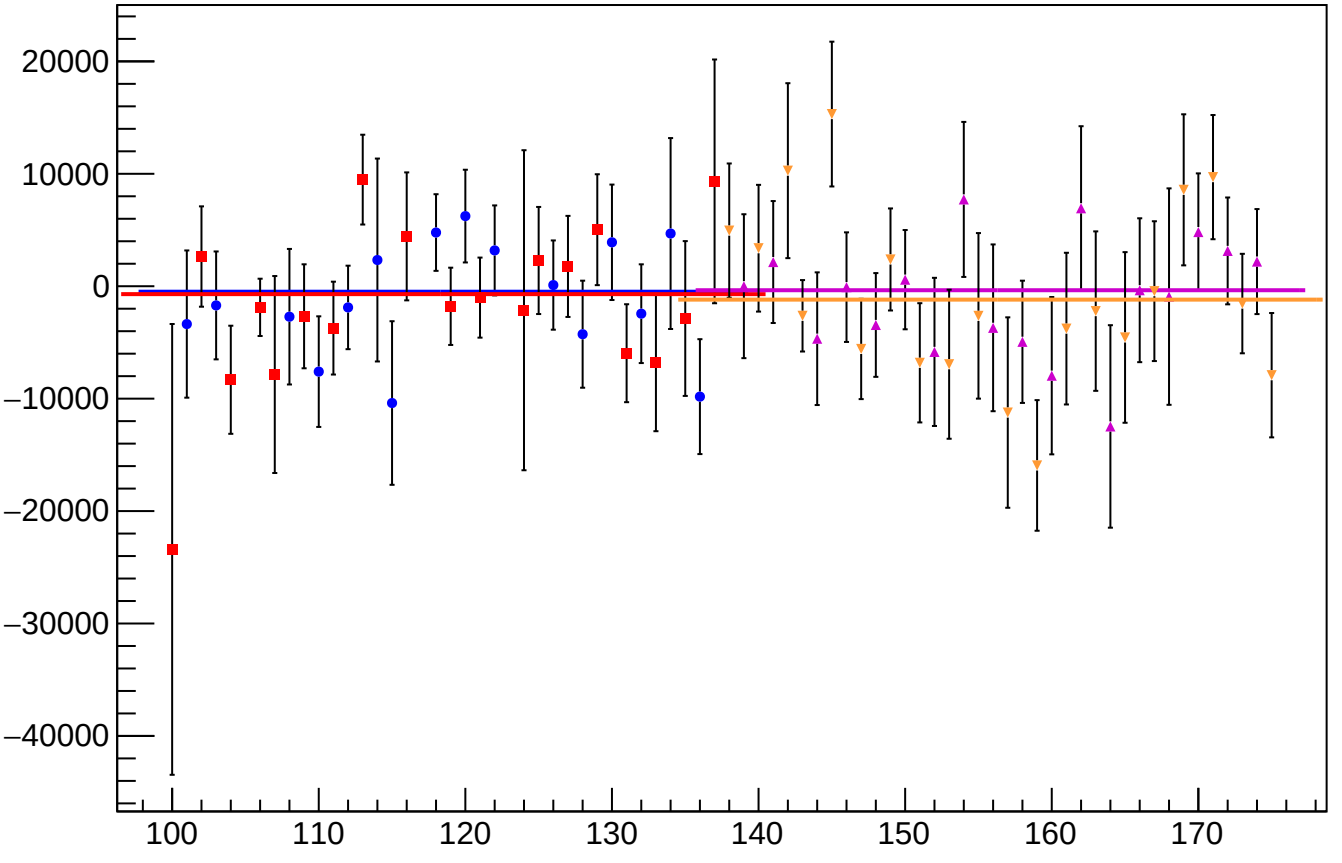
Left In: 1906.844+/-0.350 χ^2/NDF:39636.0/17

+ sign 1828.373+/-0.272 χ^2/NDF: 964783.6/35

All: 1839.488+/-0.195 χ^2/NDF: 1296502.1/72

- sign 1851.210+/-0.279 χ^2/NDF: 328285.9/36

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1192.672+/-1247.848 χ^2/NDF:29.9/19

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

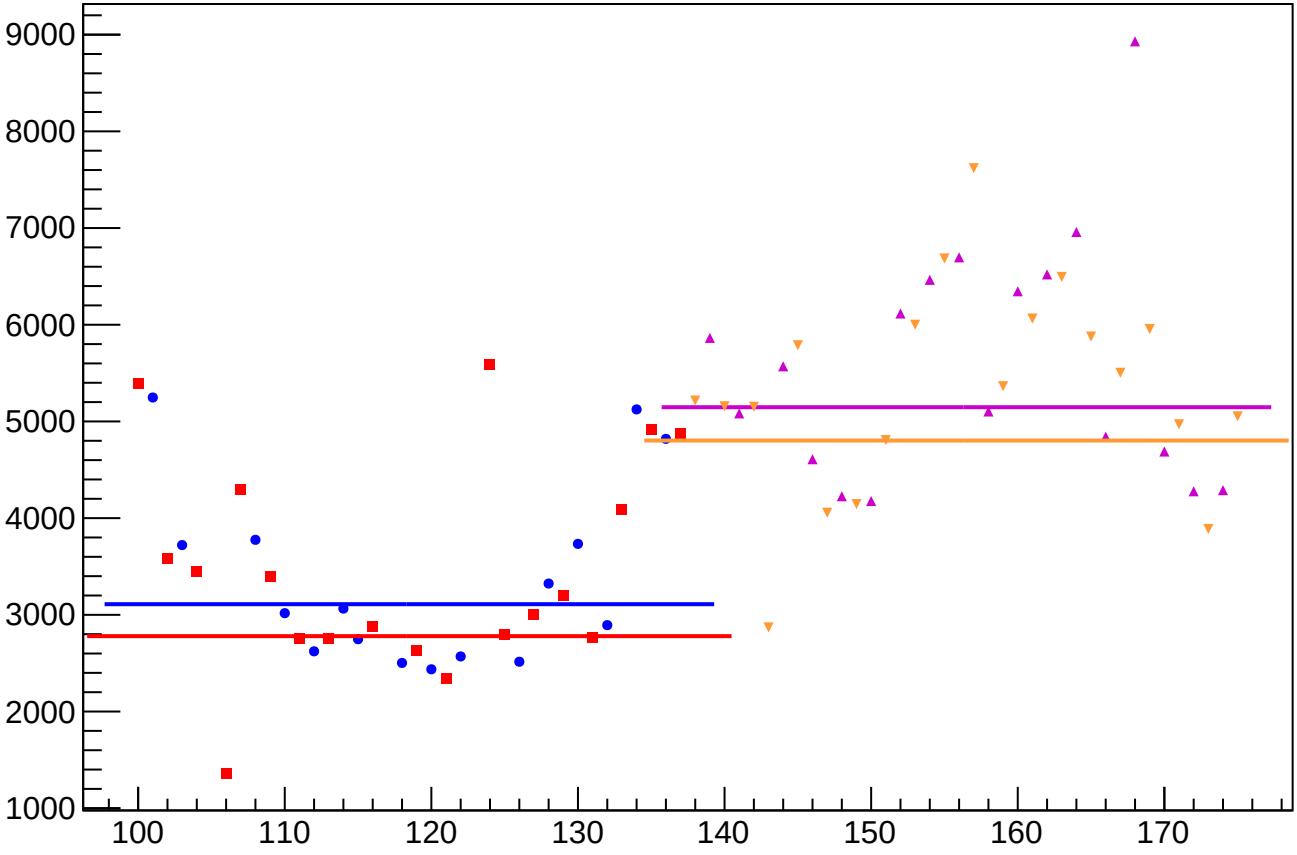
Left In: -355.576+/-1364.393 χ^2/NDF:10.0/17

+ sign -826.183+/-864.389 χ^2/NDF: 45.8/35

All: -695.189+/-603.036 χ^2/NDF: 74.8/72

- sign -570.979+/-841.707 χ^2/NDF: 28.9/36

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4802.498+/-0.882 χ^2/NDF:1742428.8/19

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

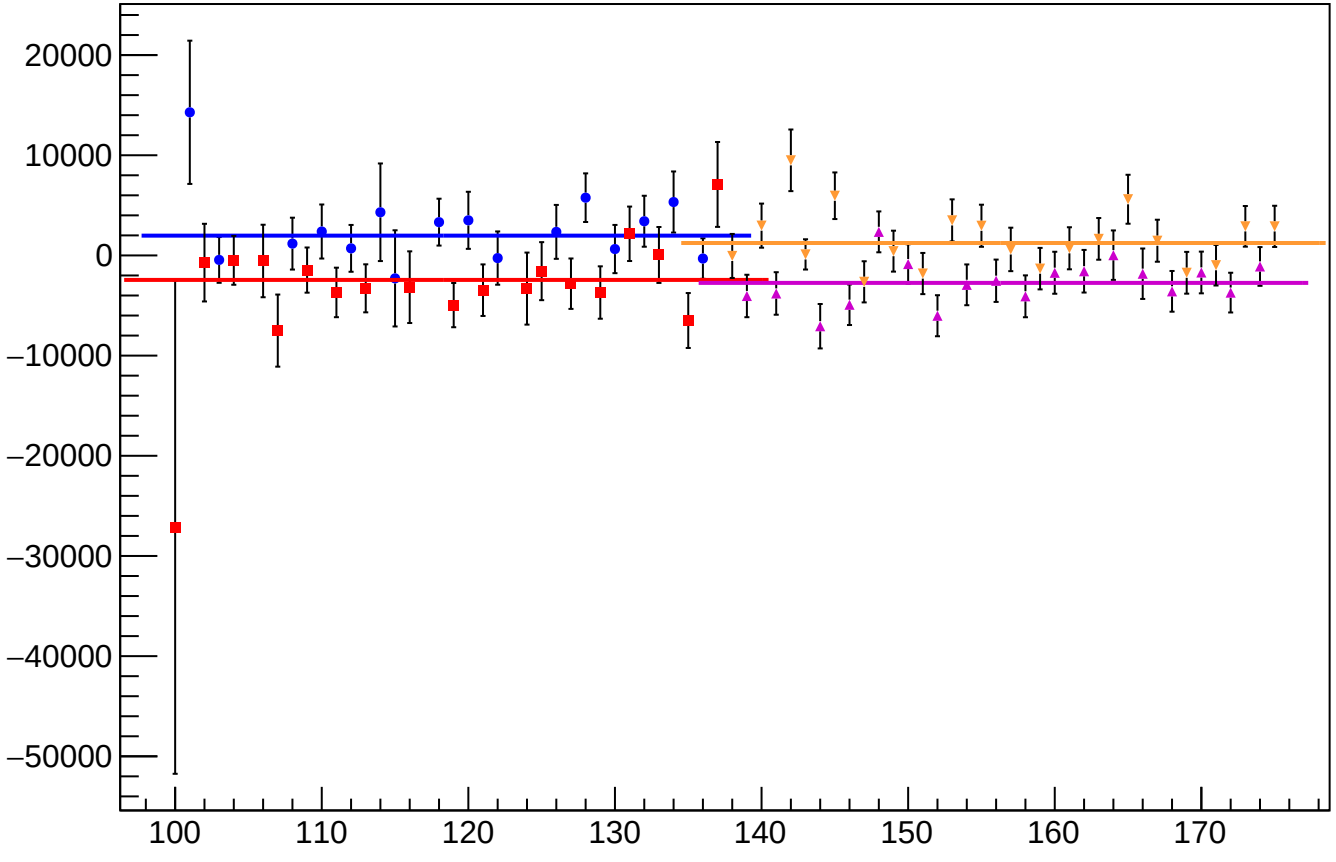
Left In: 5147.147+/-0.965 χ^2/NDF:1113927.7/17

+ sign 3922.195+/-0.611 χ^2/NDF: 4539211.5/35

All: 3798.213+/-0.426 χ^2/NDF: 10811572.5/7

- sign 3680.653+/-0.595 χ^2/NDF: 6192200.7/36

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1241.279+/-468.245 χ^2/NDF:30.1/19

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

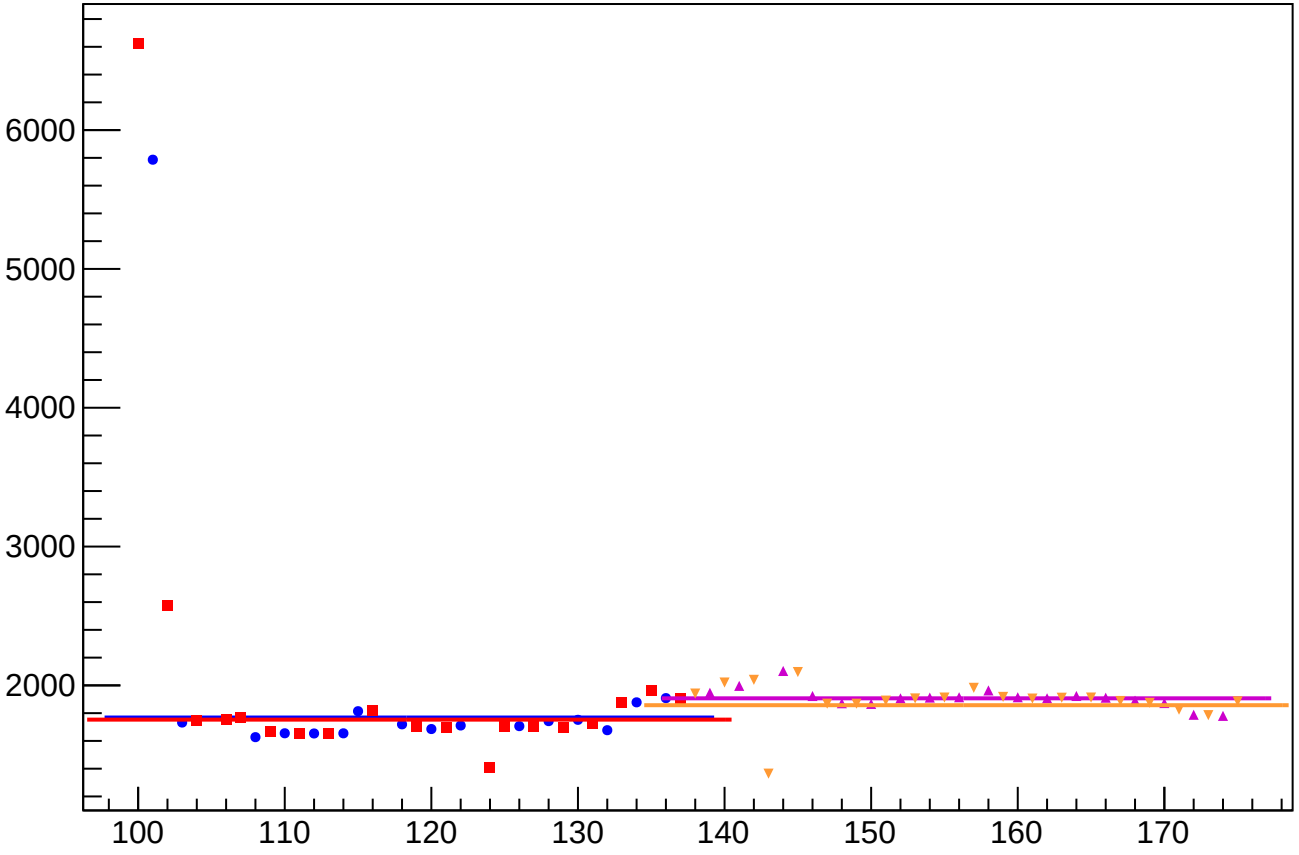
Left In: -2741.217+/-494.655 χ^2/NDF:19.0/17

+ sign 1480.347+/-384.568 χ^2/NDF: 43.3/35

All: -520.059+/-275.654 χ^2/NDF: 135.6/72

- sign -2633.904+/-395.322 χ^2/NDF: 36.6/36

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1857.273+/-0.331 χ^2/NDF:274010.7/19

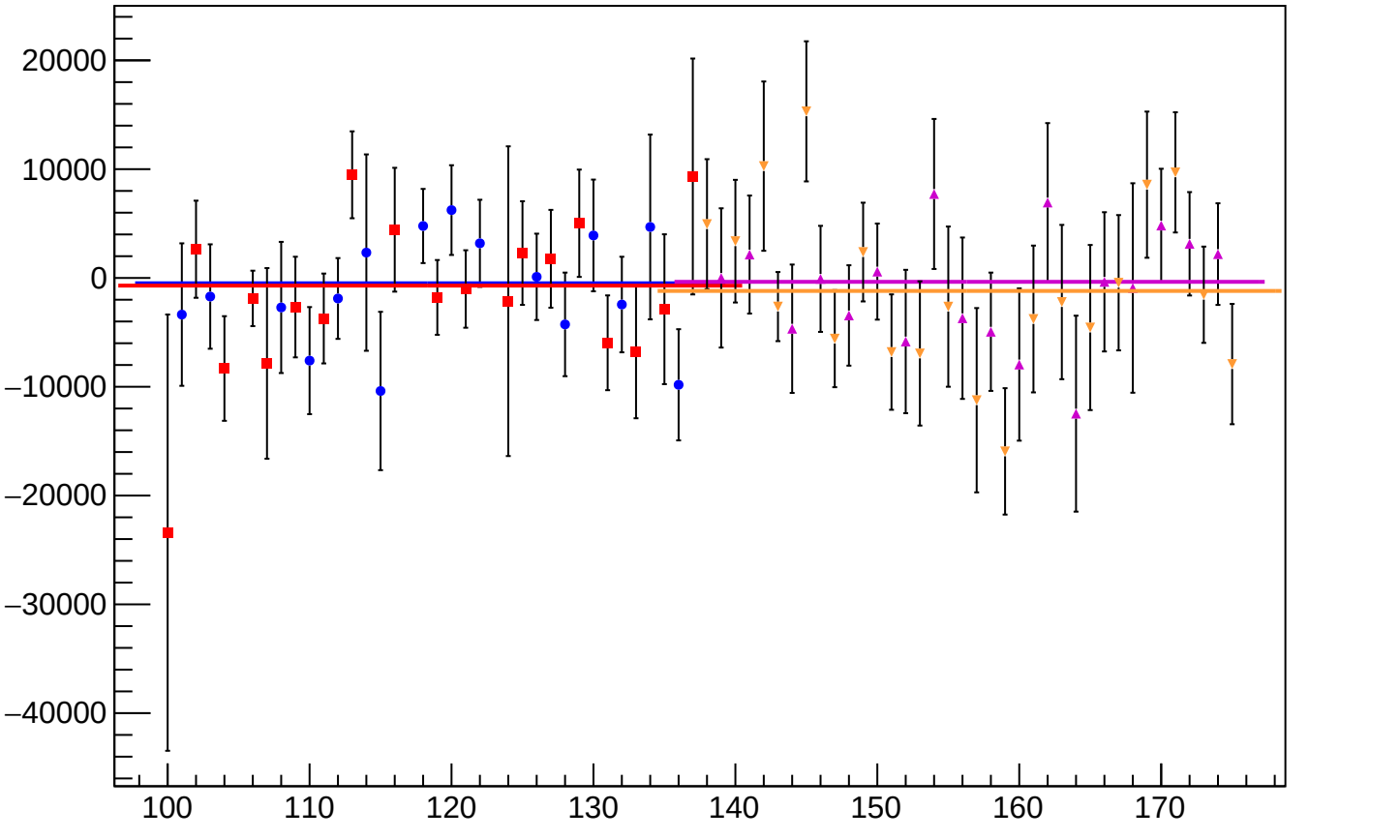
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1906.845+/-0.350 χ^2/NDF:39637.2/17

+ sign 1828.373+/-0.272 χ^2/NDF: 964785.7/35

All: 1839.488+/-0.195 χ^2/NDF: 1296506.0/72

- sign 1851.210+/-0.279 χ^2/NDF: 328287.8/36



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1192.678+/-1247.849 χ^2/NDF:29.9/19

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

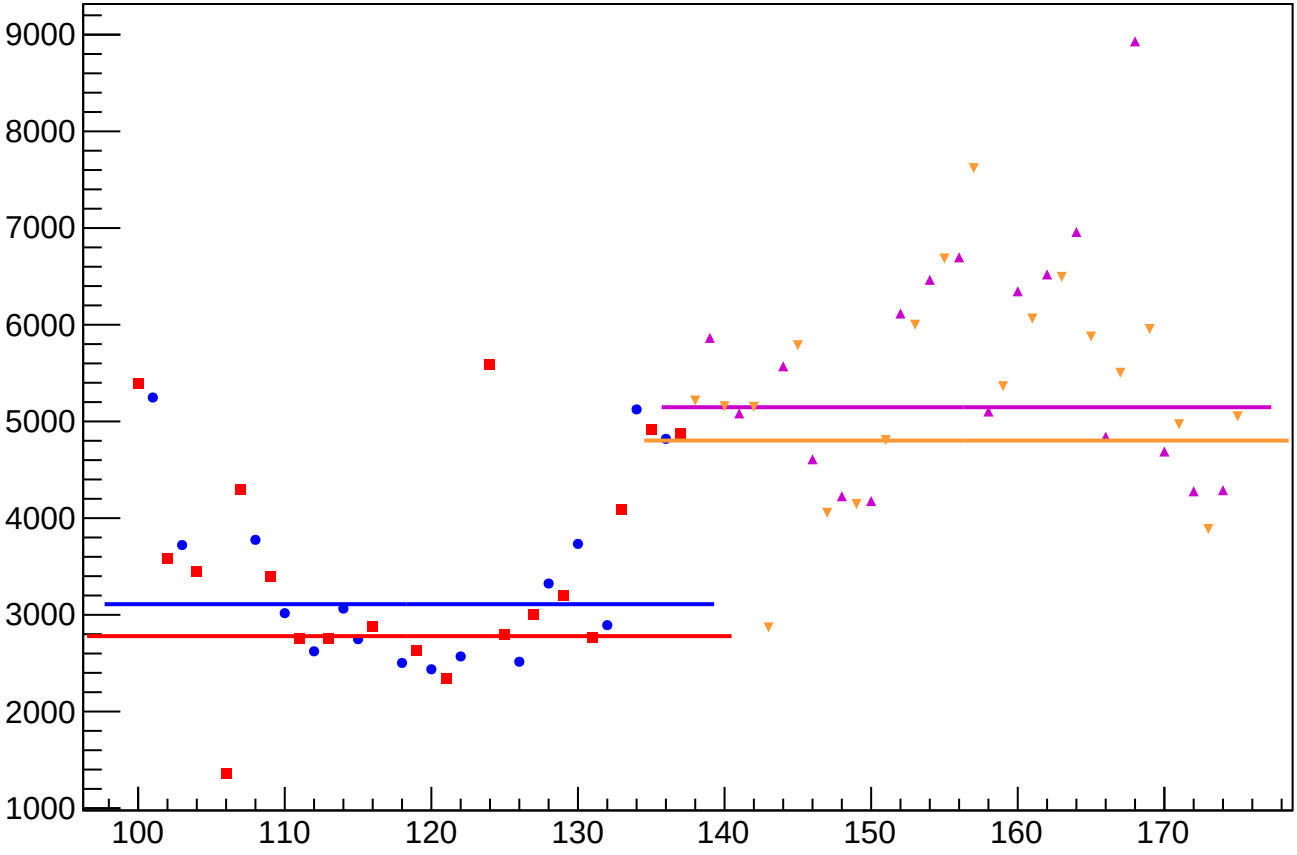
Left In: -355.577+/-1364.395 χ^2/NDF:10.0/17

+ sign -826.181+/-864.388 χ^2/NDF: 45.8/35

All: -695.189+/-603.035 χ^2/NDF: 74.8/72

- sign -570.981+/-841.706 χ^2/NDF: 28.9/36

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4802.504+/-0.882 χ^2/NDF:1742434.9/19

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

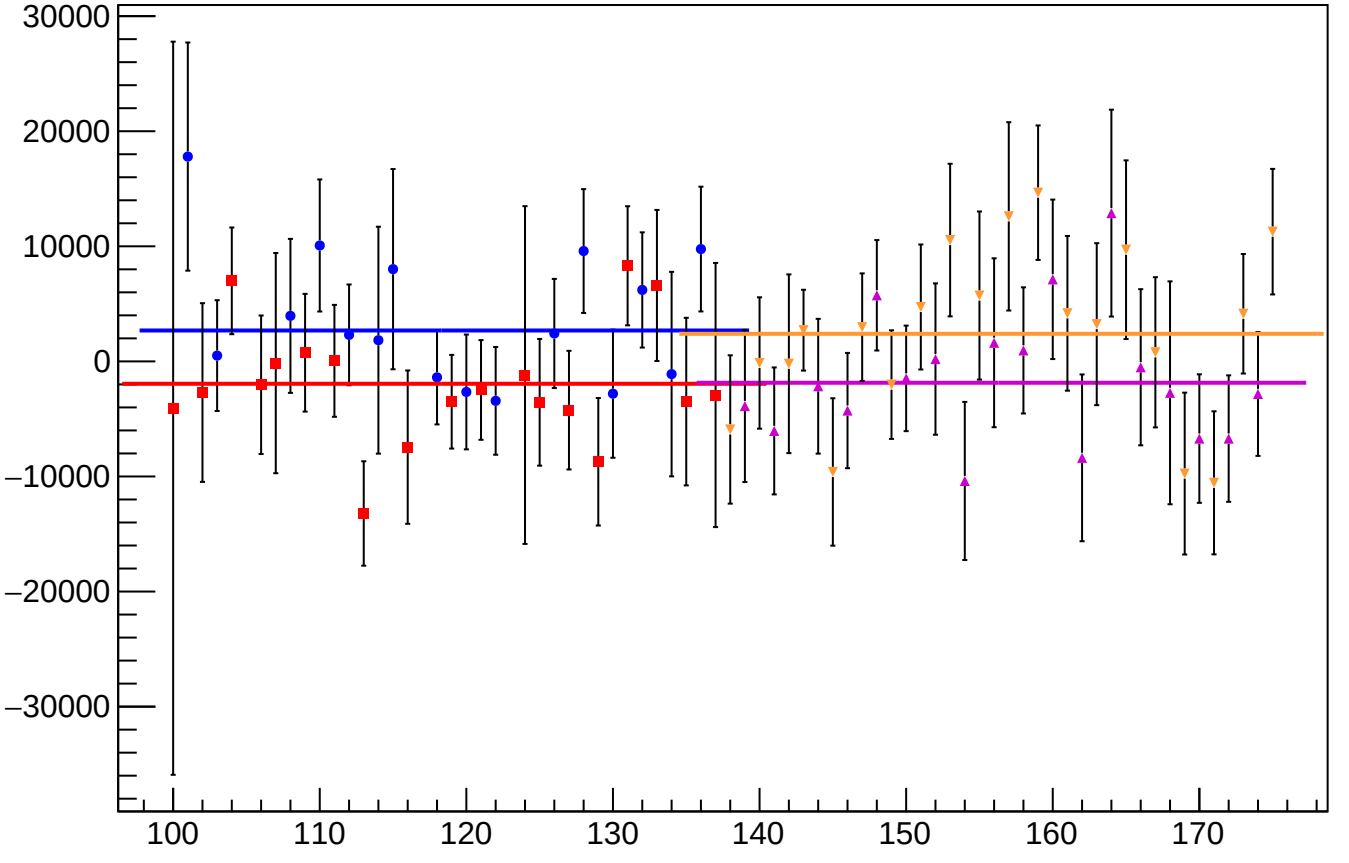
Left In: 5147.155+/-0.965 χ^2/NDF:1113928.7/17

+ sign 3922.188+/-0.611 χ^2/NDF: 4539269.9/35

All: 3798.204+/-0.426 χ^2/NDF: 10811722.4/7

- sign 3680.642+/-0.595 χ^2/NDF: 6192289.0/36

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2396.871+/-1305.948 χ^2/NDF:25.4/19

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

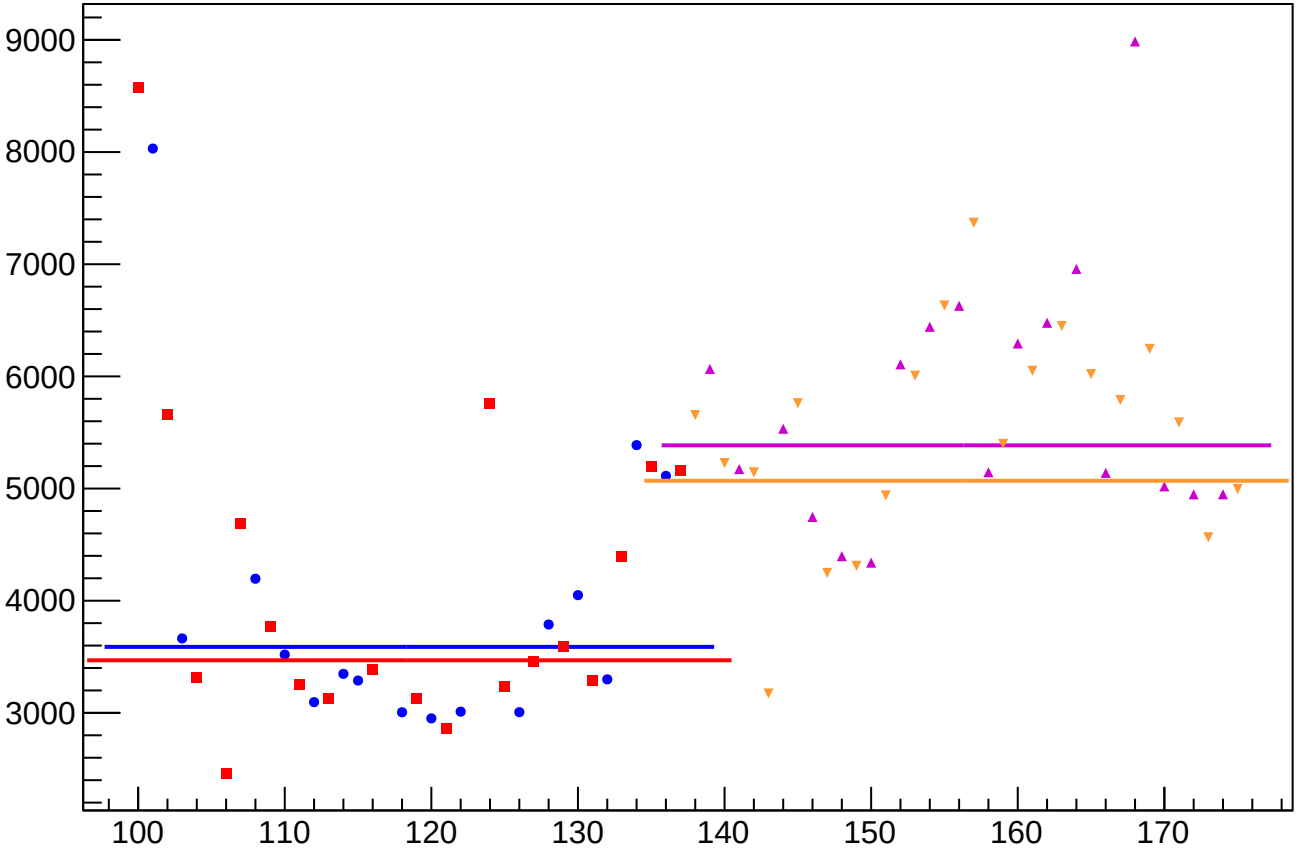
Left In: -1857.001+/-1419.532 χ^2/NDF:12.3/17

+ sign 2533.203+/-948.513 χ^2/NDF: 38.8/35

All: 368.156+/-678.756 χ^2/NDF: 80.6/72

- sign -1904.129+/-971.720 χ^2/NDF: 31.0/36

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5069.359+/-0.923 χ^2/NDF:1298225.9/19

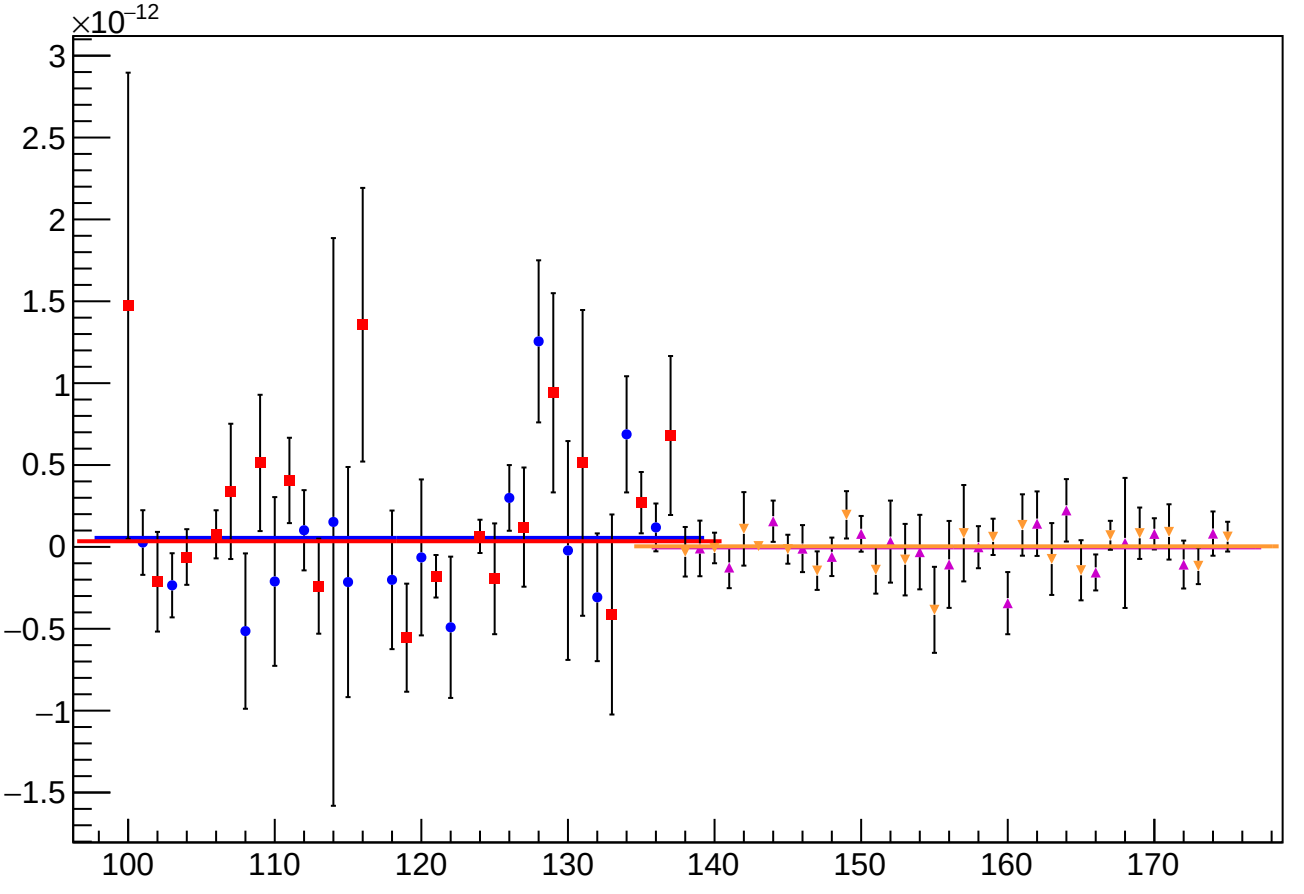
Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5385.379+/-1.004 χ^2/NDF:834211.1/17

+ sign 4369.642+/-0.671 χ^2/NDF: 3358608.4/35

All: 4361.061+/-0.478 χ^2/NDF: 6825232.6/72

- sign 4352.201+/-0.682 χ^2/NDF: 3466291.5/36



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/19

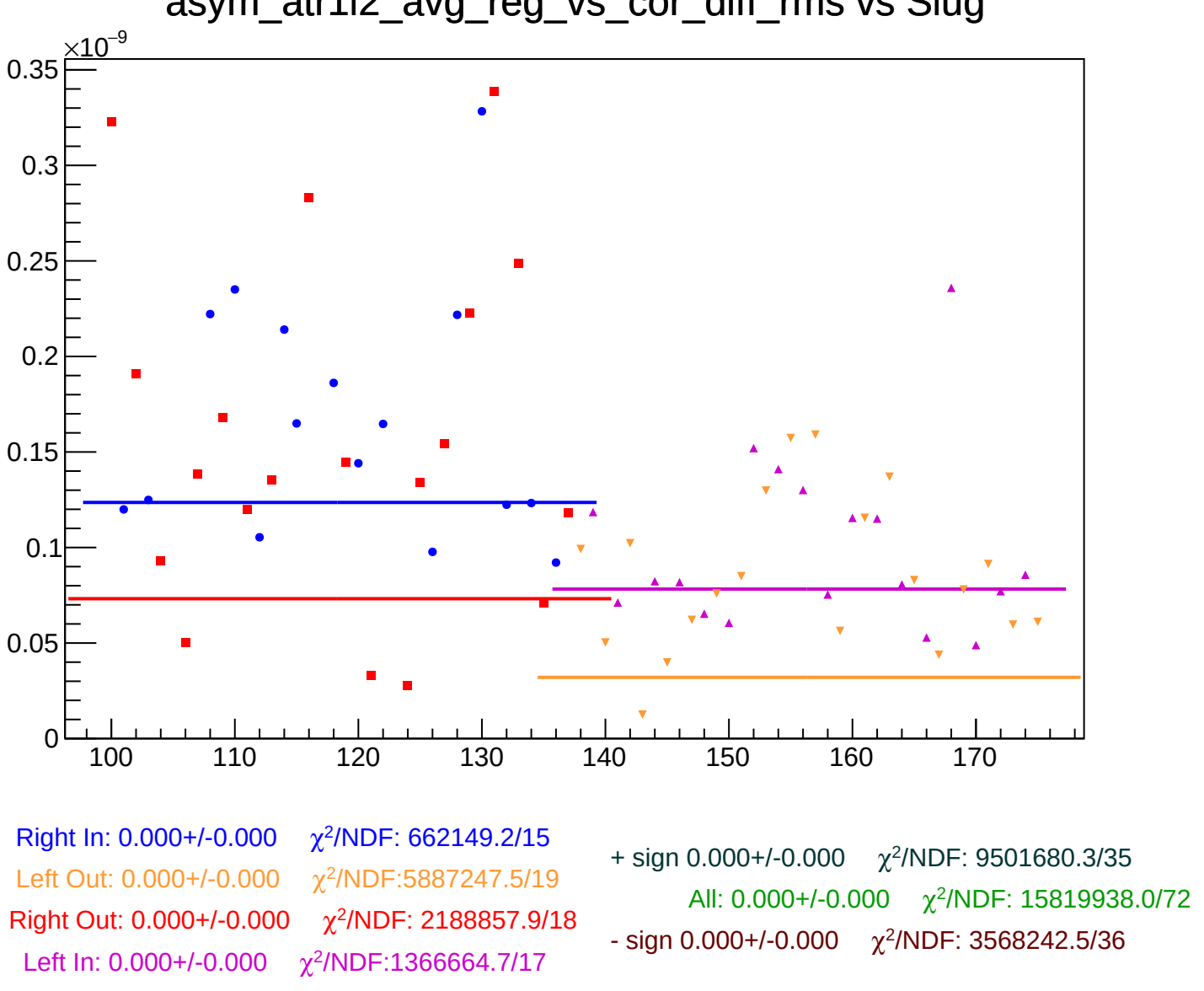
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:12.3/17

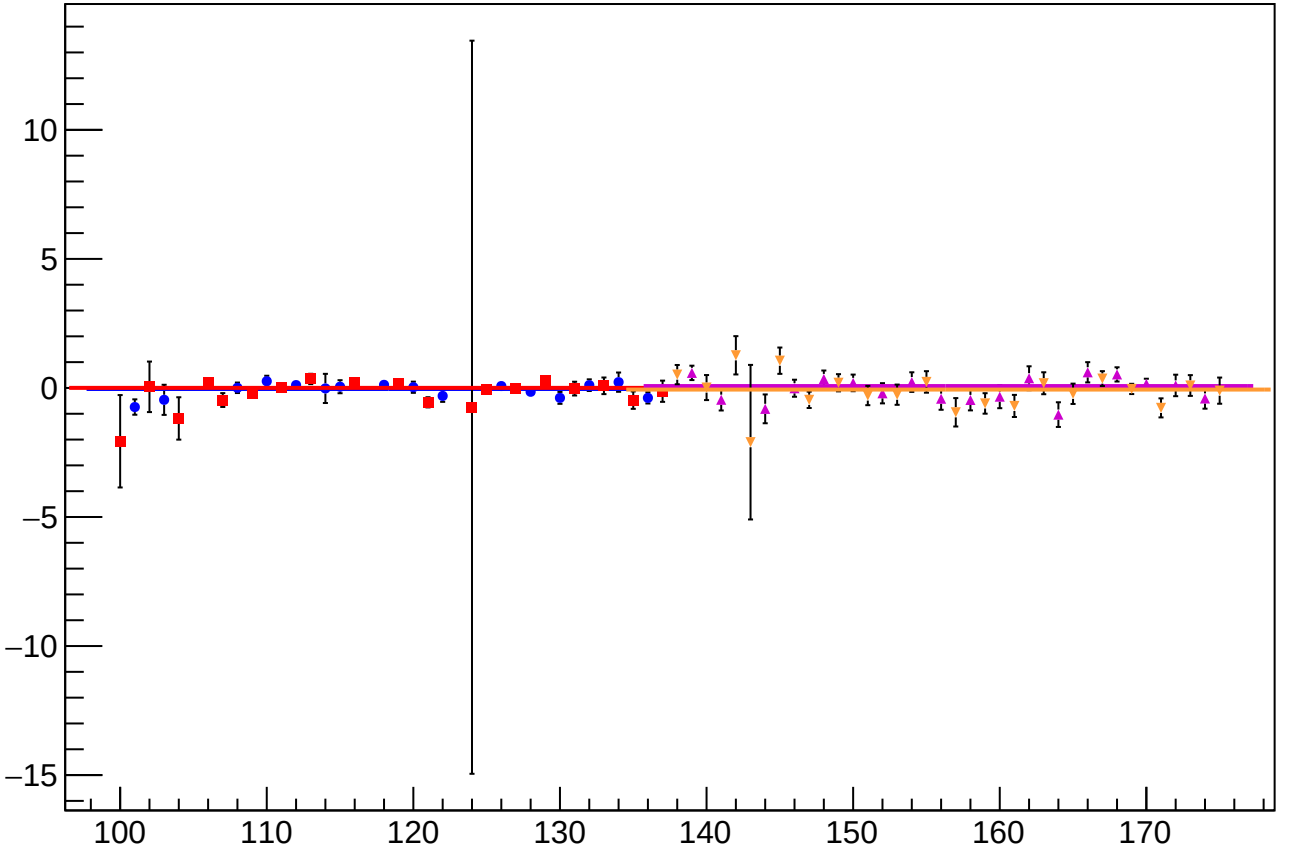
+ sign 0.000+/-0.000 χ^2/NDF: 29.5/35

All: 0.000+/-0.000 χ^2/NDF: 64.4/72

- sign 0.000+/-0.000 χ^2/NDF: 34.9/36


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:5887247.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 2188857.9/18
Left In: 0.000+/-0.000 χ²/NDF:1366664.7/17
+ sign 0.000+/-0.000 χ²/NDF: 9501680.3/35
All: 0.000+/-0.000 χ²/NDF: 15819938.0/72
- sign 0.000+/-0.000 χ²/NDF: 3568242.5/36

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.063+/-0.085 χ^2/NDF:27.4/19

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

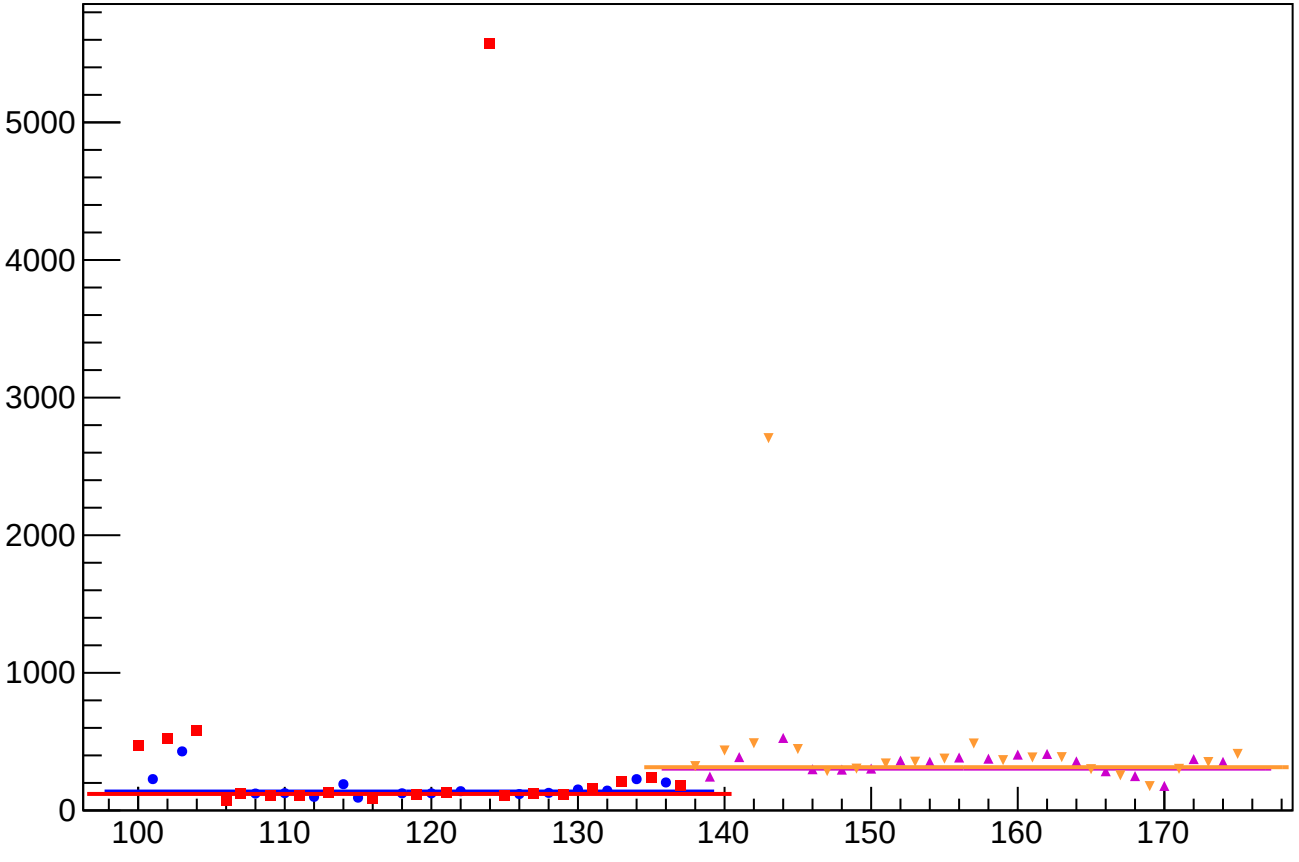
Left In: 0.073+/-0.083 χ^2/NDF:24.9/17

+ sign -0.047+/-0.047 χ^2/NDF: 45.4/35

All: -0.010+/-0.032 χ^2/NDF: 100.7/72

- sign 0.022+/-0.043 χ^2/NDF: 54.2/36

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 314.313+/-0.060 χ^2/NDF:3219988.1/19

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

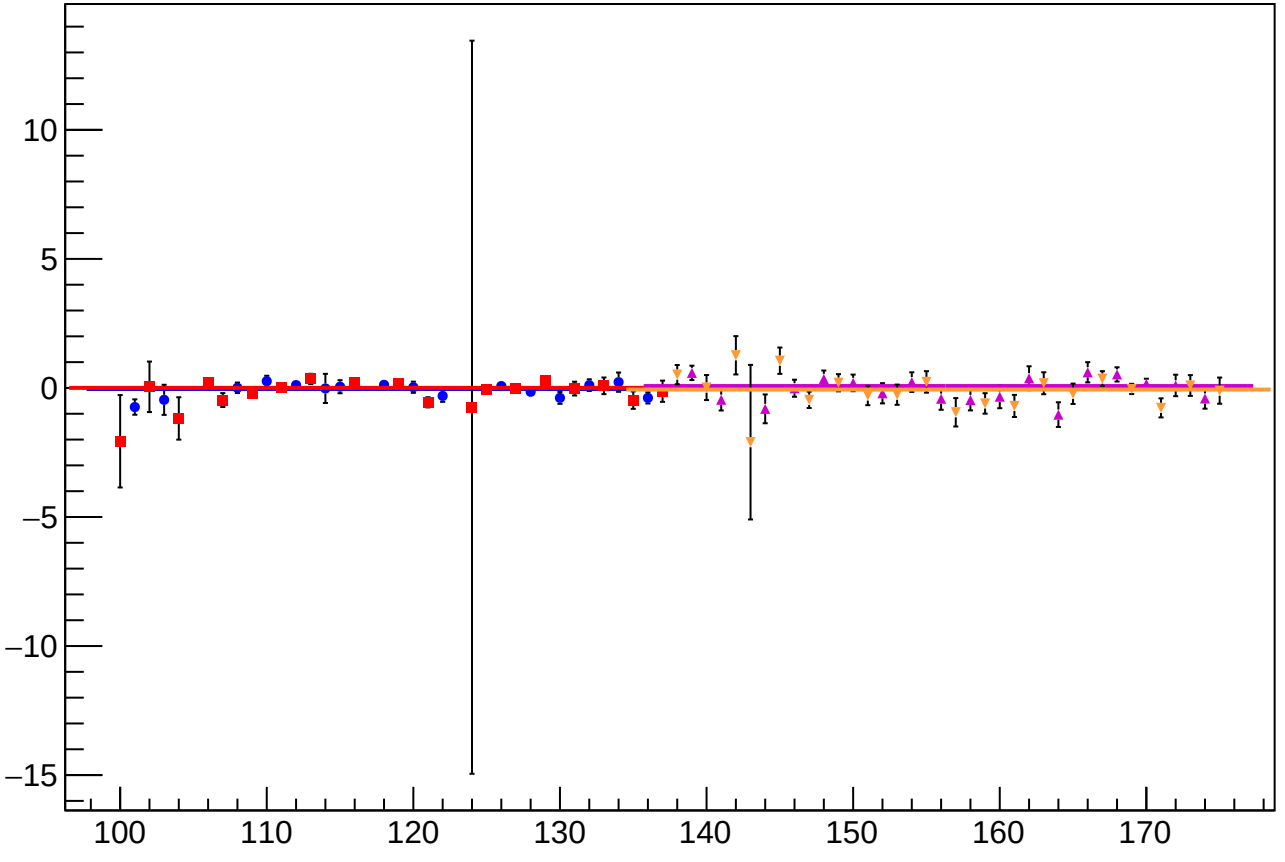
Left In: 303.983+/-0.059 χ^2/NDF:1880951.6/17

+ sign 190.445+/-0.033 χ^2/NDF: 10511732.6/35

All: 179.682+/-0.022 χ^2/NDF: 21878914.4/72

- sign 170.391+/-0.031 χ^2/NDF: 11169315.3/36

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.063+/-0.085 χ^2/NDF:27.4/19

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

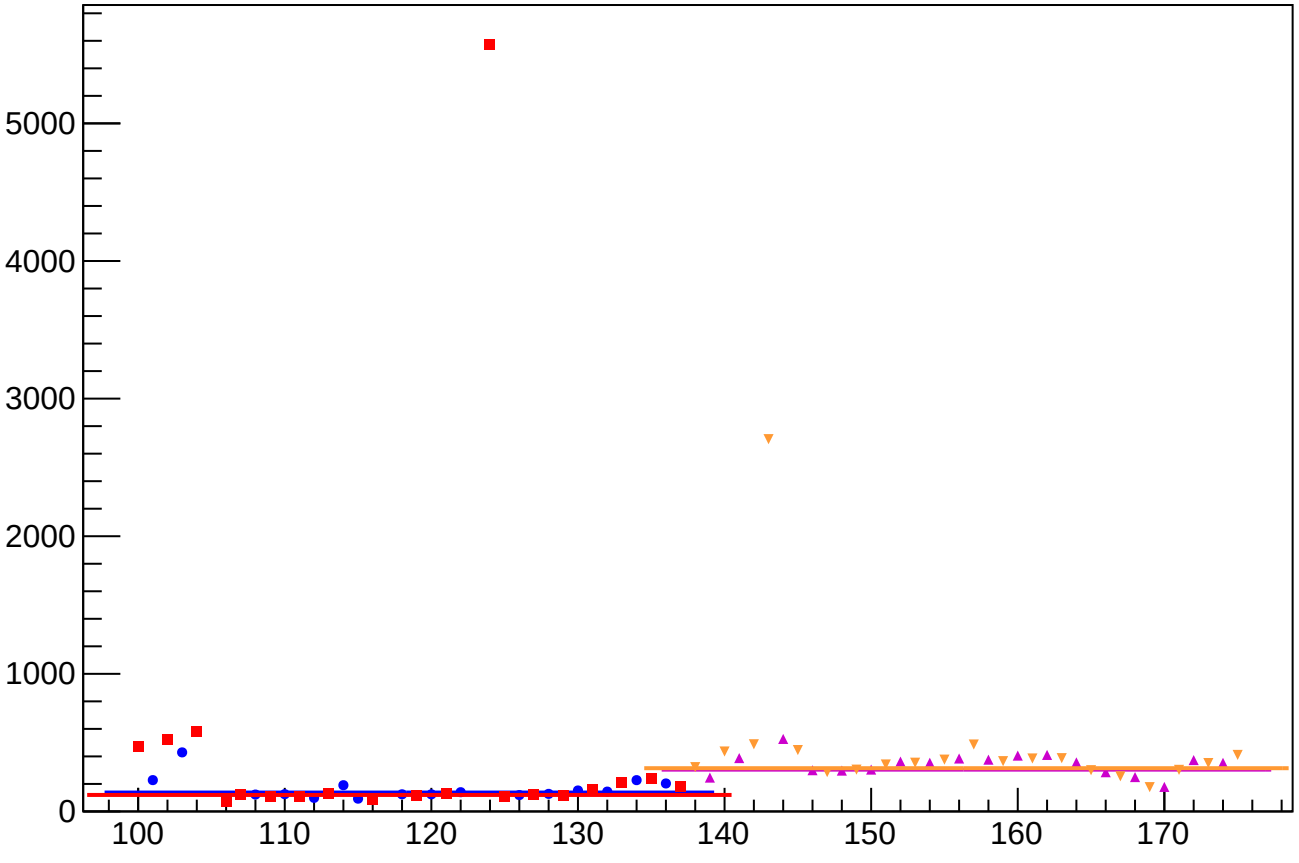
Left In: 0.073+/-0.083 χ^2/NDF:24.9/17

+ sign -0.047+/-0.047 χ^2/NDF: 45.4/35

All: -0.010+/-0.032 χ^2/NDF: 100.7/72

- sign 0.022+/-0.043 χ^2/NDF: 54.2/36

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 314.313+/-0.060 χ^2/NDF:3219988.1/19

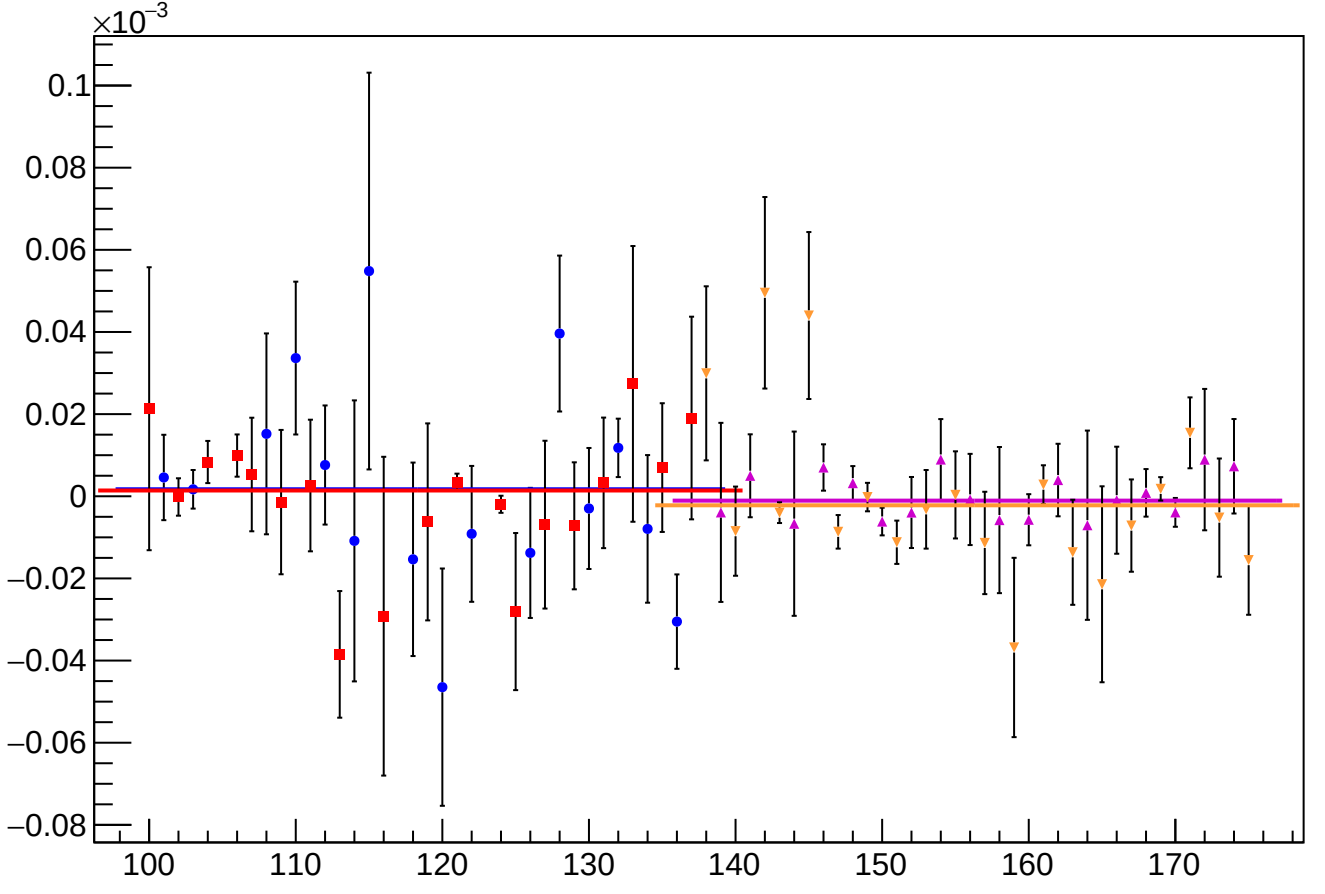
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 303.983+/-0.059 χ^2/NDF:1880951.6/17

+ sign 190.445+/-0.033 χ^2/NDF: 10511732.6/35

All: 179.682+/-0.022 χ^2/NDF: 21878914.4/72

- sign 170.391+/-0.031 χ^2/NDF: 11169315.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

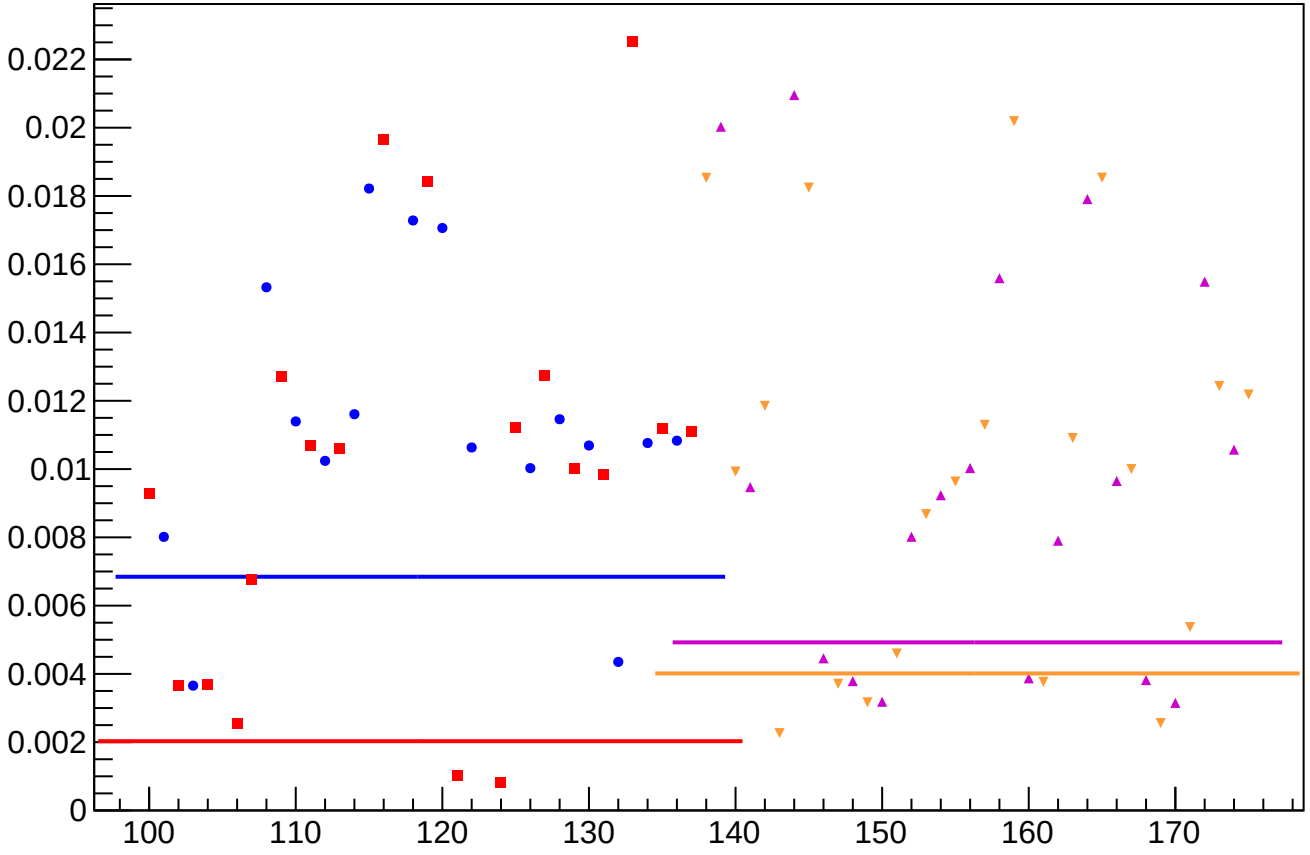
Left In: -0.000+/-0.000 χ^2/NDF:9.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 57.3/35

All: -0.000+/-0.000 χ^2/NDF: 90.4/72

- sign 0.000+/-0.000 χ^2/NDF: 31.4/36

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:10580528.6/19

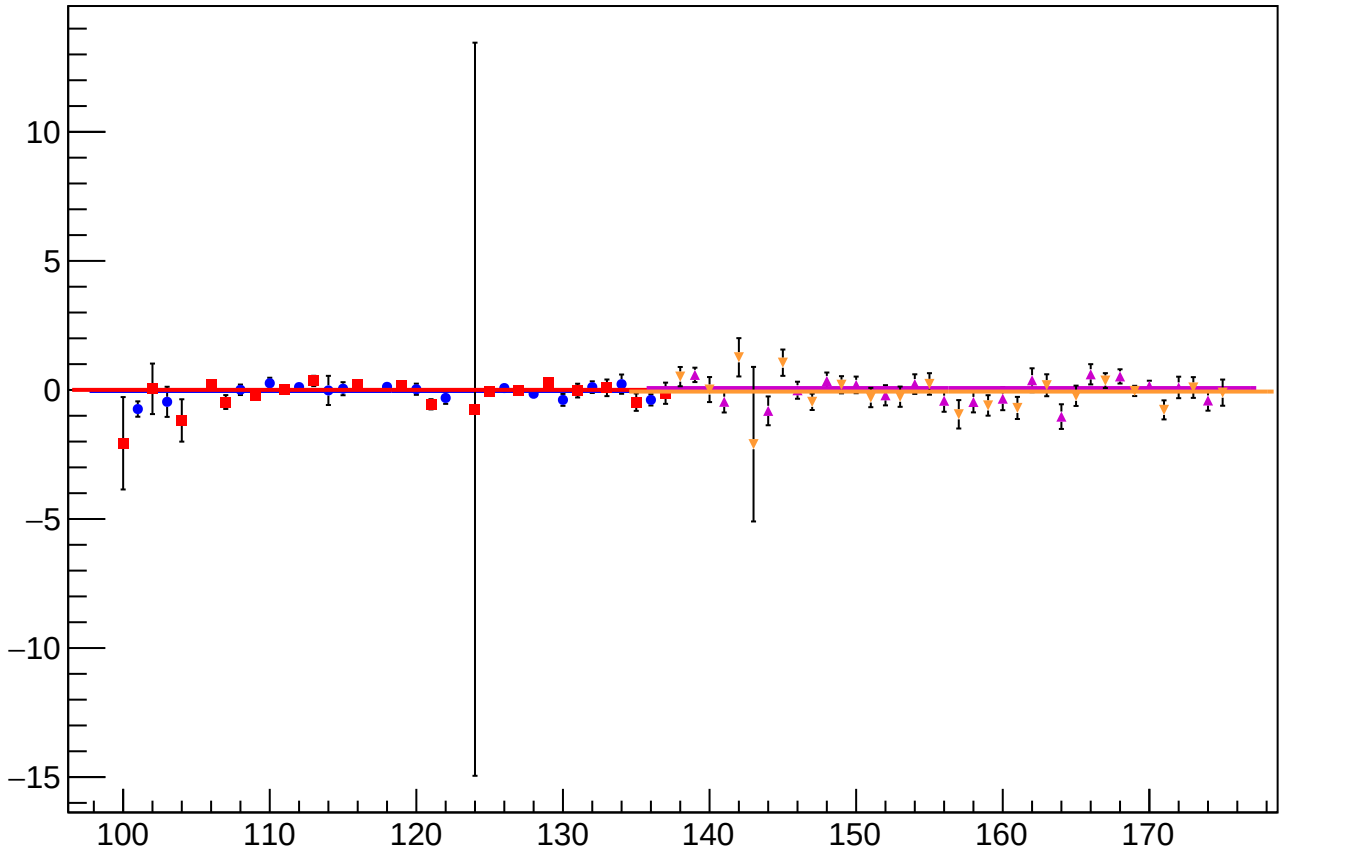
Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:7868994.6/17

+ sign 0.004+/-0.000 χ^2/NDF: 15338438.5/35

All: 0.004+/-0.000 χ^2/NDF: 37770988.9/72

- sign 0.003+/-0.000 χ^2/NDF: 20955072.0/36



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.063+/-0.085 χ^2/NDF:27.4/19

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

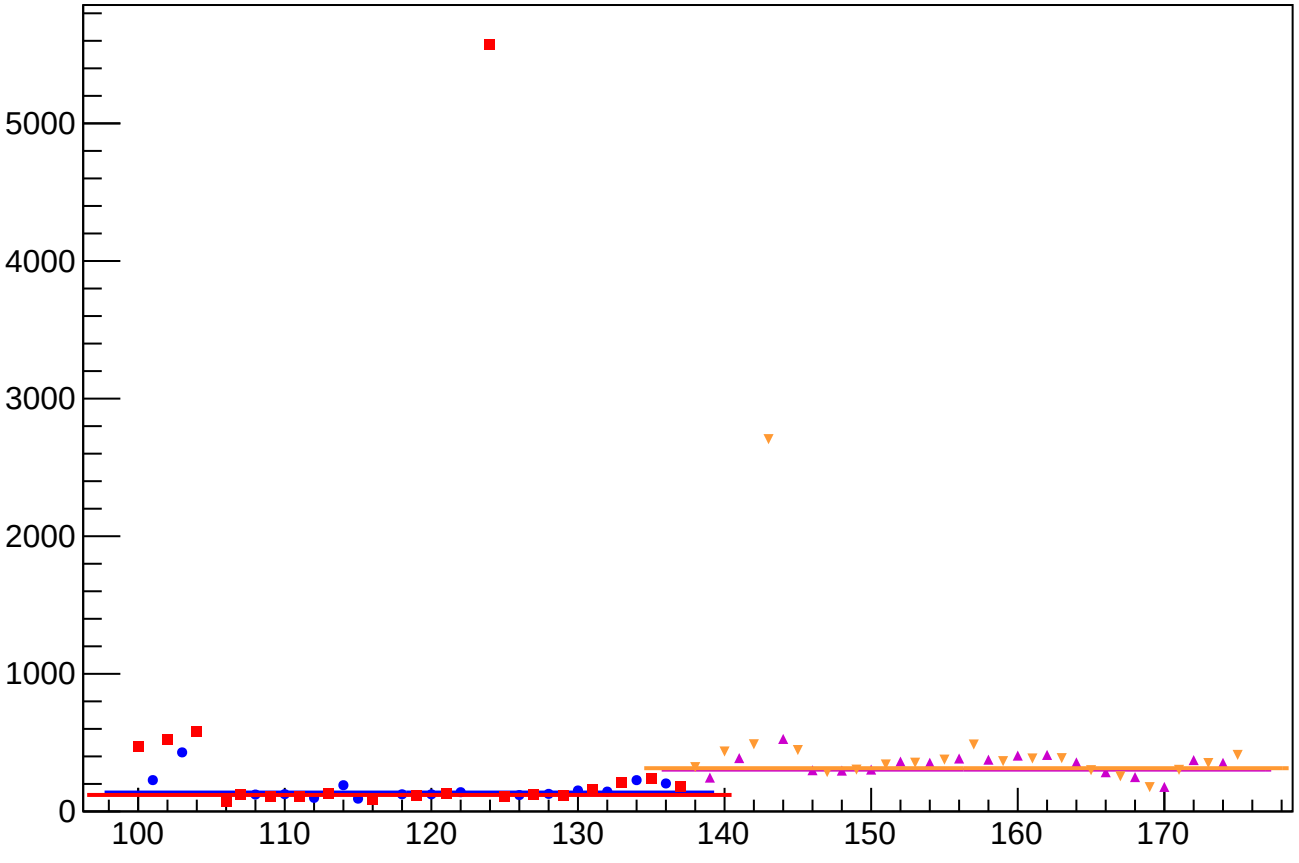
Left In: 0.073+/-0.083 χ^2/NDF:24.9/17

+ sign -0.047+/-0.047 χ^2/NDF: 45.4/35

All: -0.010+/-0.032 χ^2/NDF: 100.7/72

- sign 0.022+/-0.043 χ^2/NDF: 54.2/36

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 314.315+/-0.060 χ^2/NDF:3220028.2/19

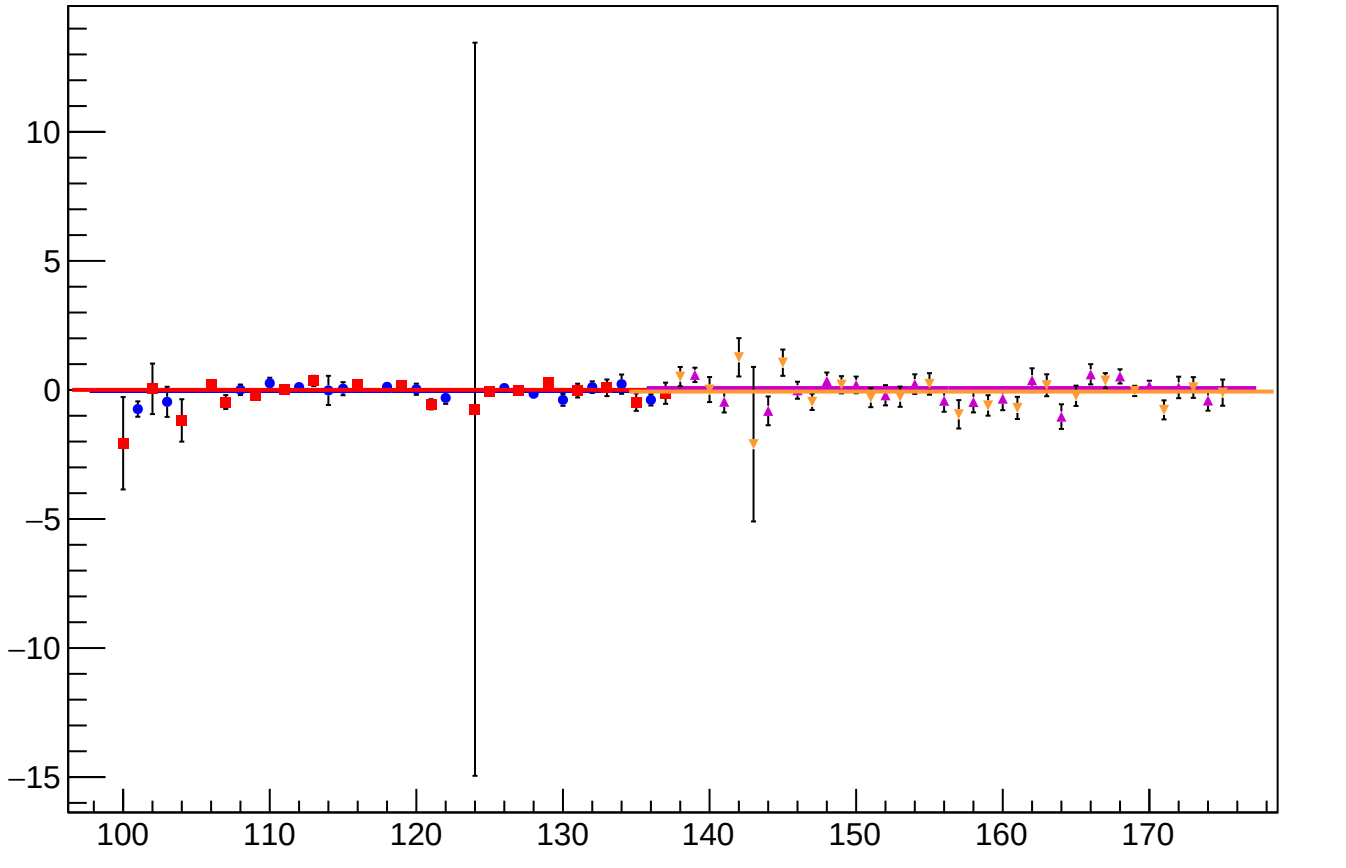
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 303.986+/-0.059 χ^2/NDF:1880941.8/17

+ sign 190.446+/-0.033 χ^2/NDF: 10511703.2/35

All: 179.682+/-0.022 χ^2/NDF: 21878943.5/72

- sign 170.391+/-0.031 χ^2/NDF: 11169353.1/36



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.063+/-0.085 χ^2/NDF:27.4/19

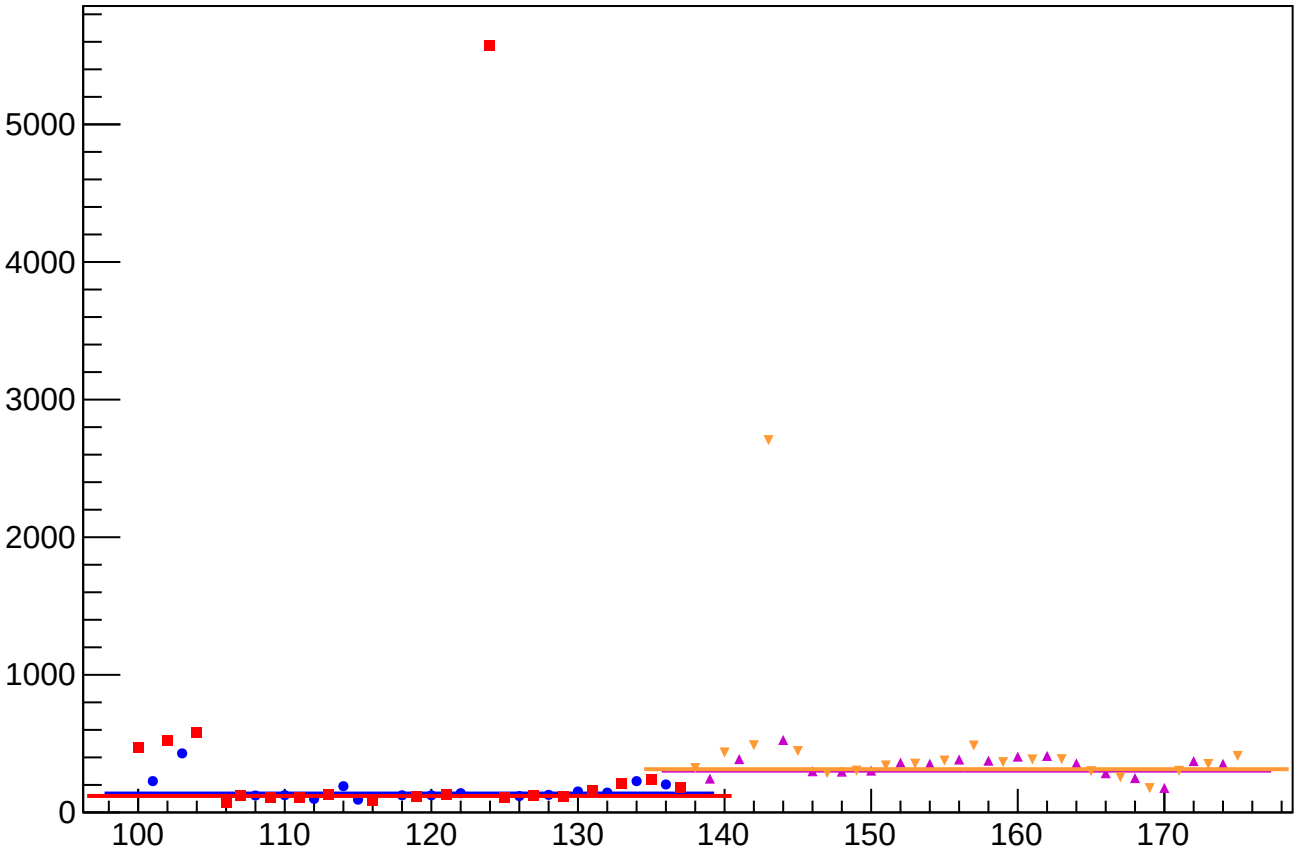
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.073+/-0.083 χ^2/NDF:24.9/17

+ sign -0.047+/-0.047 χ^2/NDF: 45.4/35

All: -0.010+/-0.032 χ^2/NDF: 100.7/72

- sign 0.022+/-0.043 χ^2/NDF: 54.2/36



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 314.315+/-0.060 χ^2/NDF:3220028.2/19

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

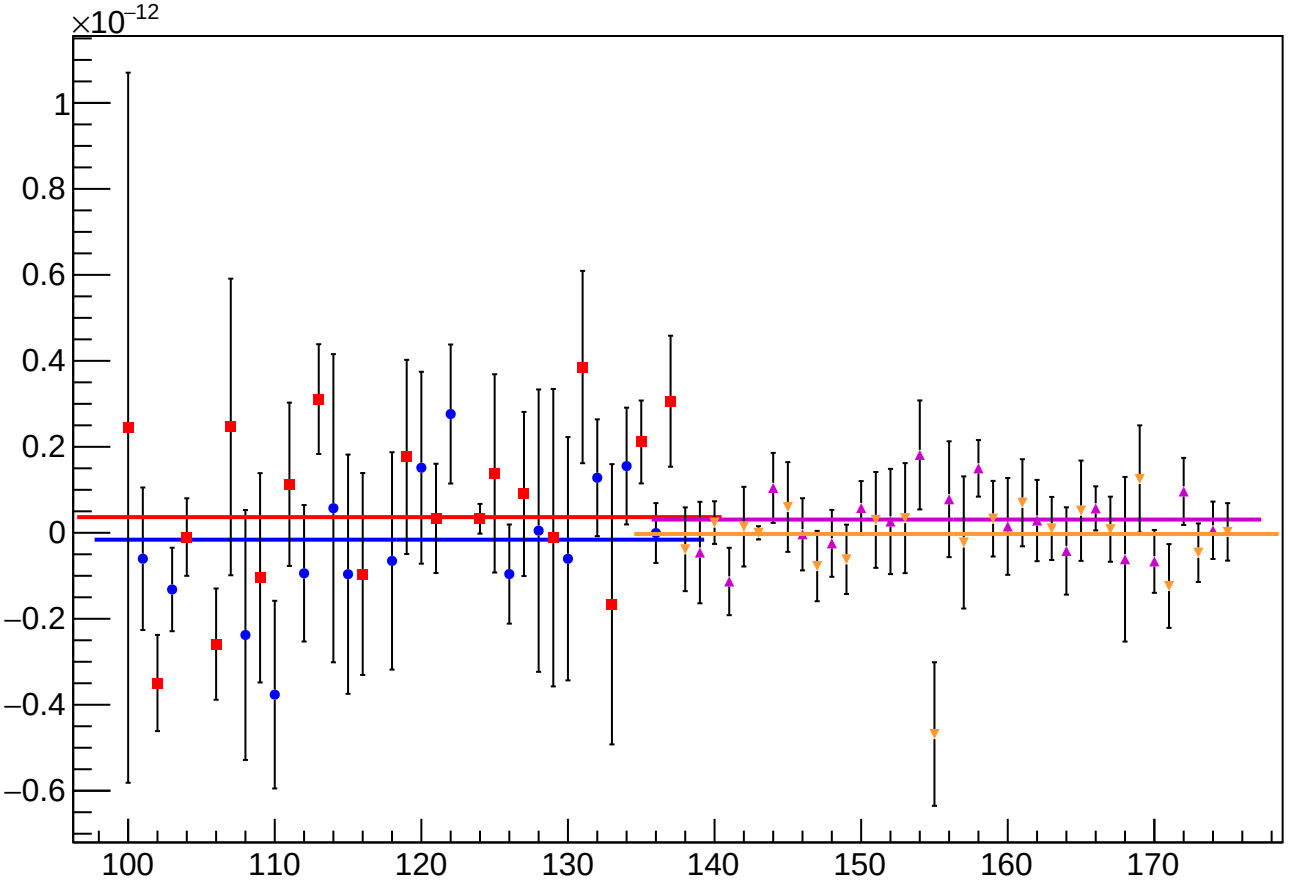
Left In: 303.986+/-0.059 χ^2/NDF:1880941.8/17

\+ sign 190.446+/-0.033 χ^2/NDF: 10511703.2/35

All: 179.682+/-0.022 χ^2/NDF: 21878943.5/72

\- sign 170.391+/-0.031 χ^2/NDF: 11169353.1/36

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/19

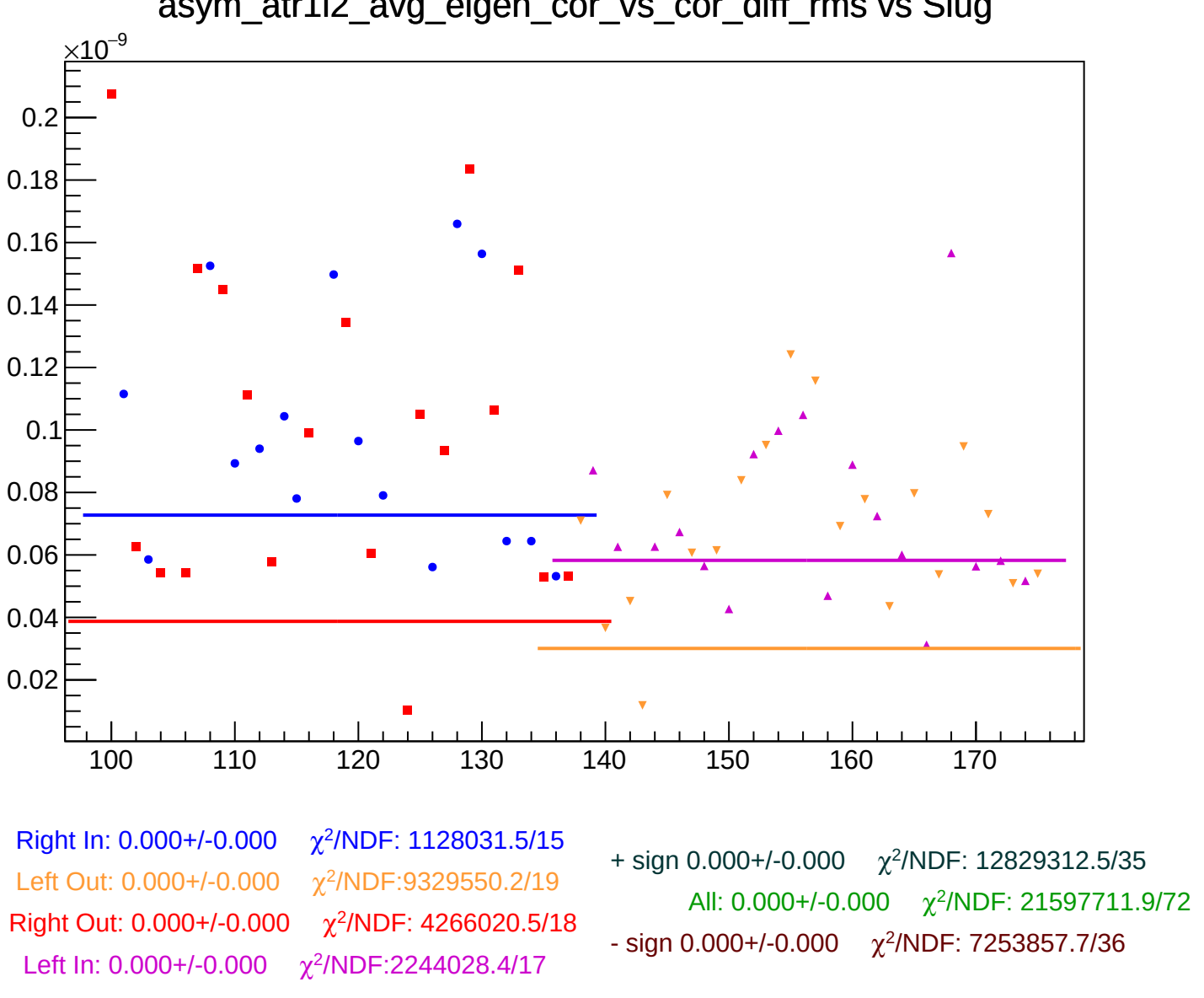
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/17

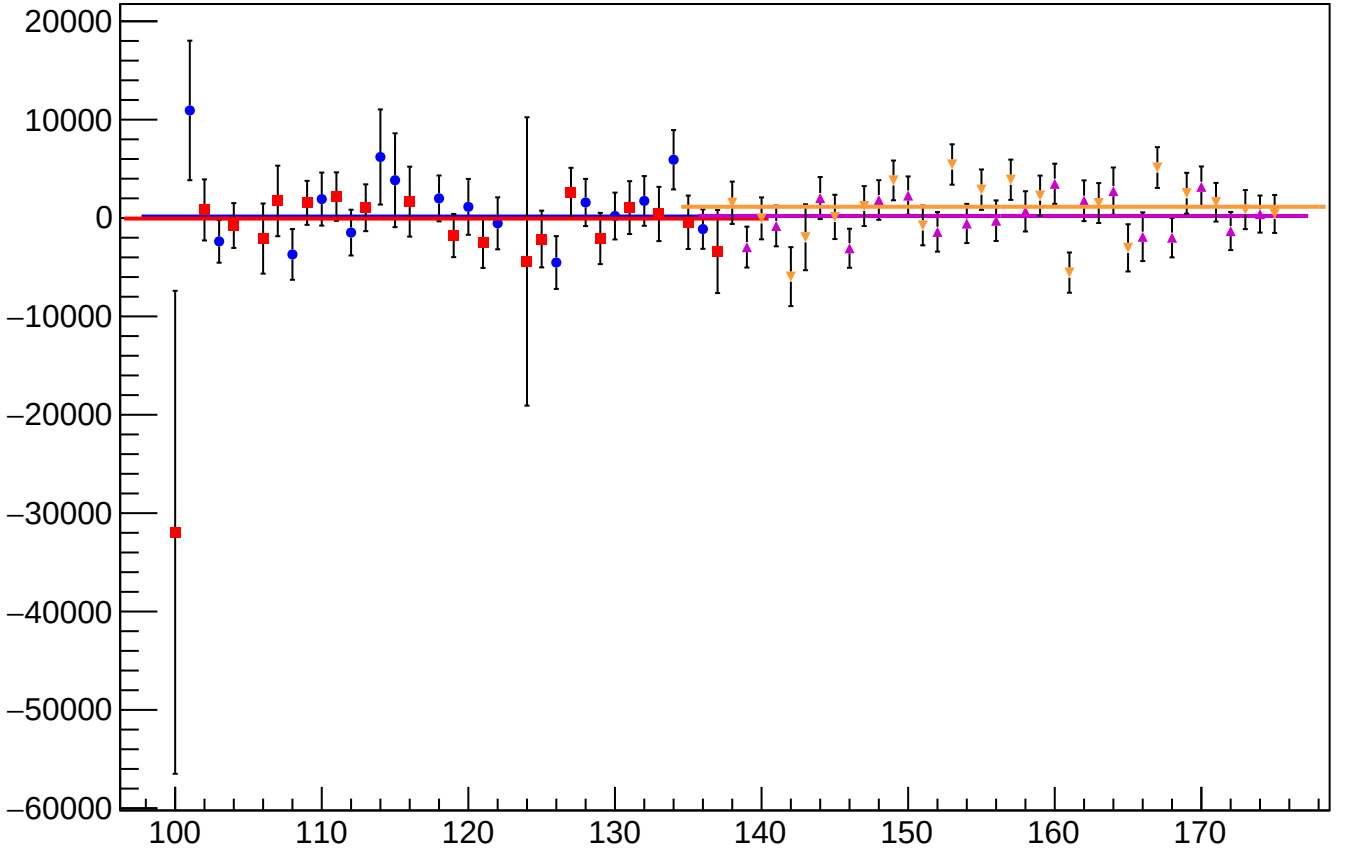
+ sign -0.000+/-0.000 χ^2/NDF: 26.5/35

All: 0.000+/-0.000 χ^2/NDF: 77.3/72

- sign 0.000+/-0.000 χ^2/NDF: 47.1/36


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:9329550.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:2244028.4/17
+ sign 0.000+/-0.000 χ²/NDF: 12829312.5/35
All: 0.000+/-0.000 χ²/NDF: 21597711.9/72
- sign 0.000+/-0.000 χ²/NDF: 7253857.7/36

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1143.226+/-475.358 χ^2/NDF:35.0/19

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

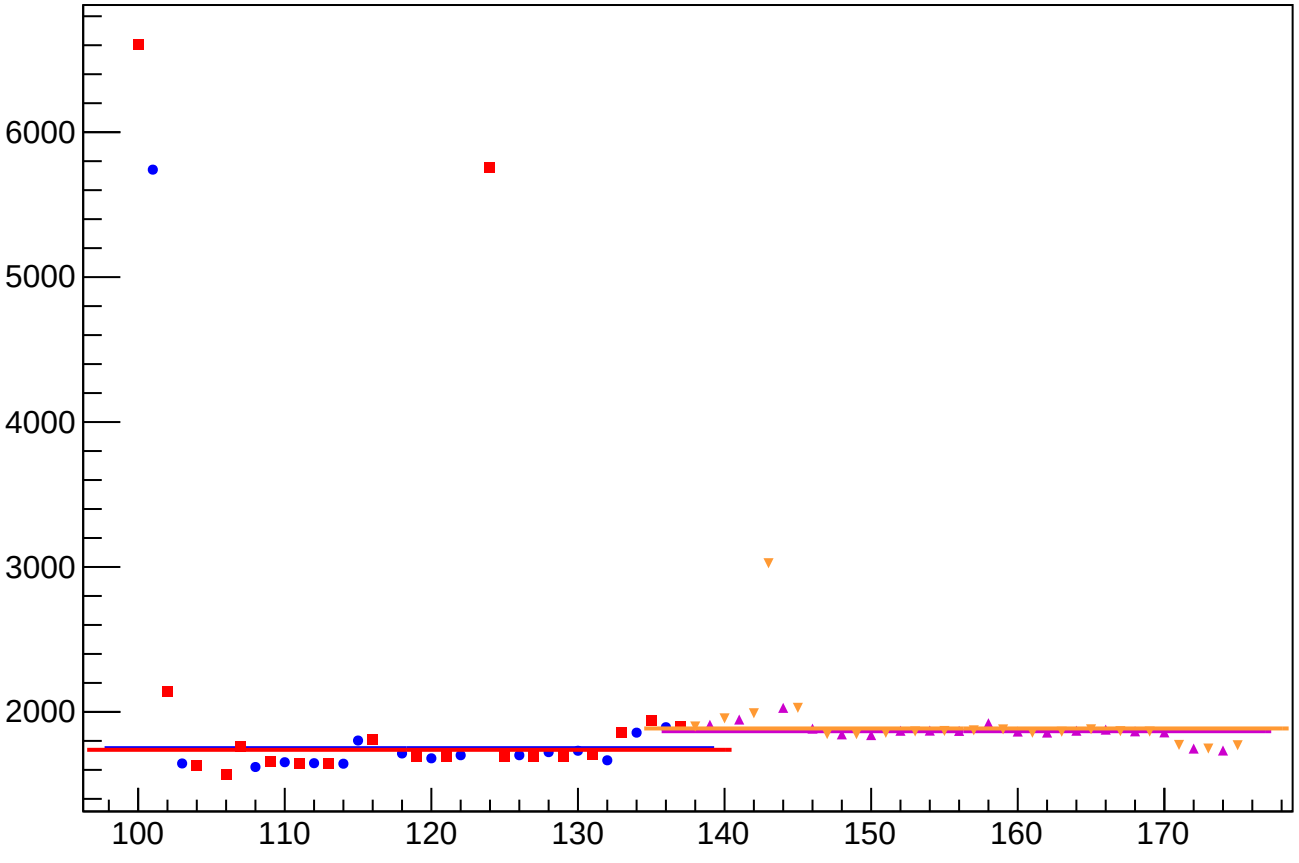
Left In: 206.576+/-484.233 χ^2/NDF:17.6/17

+ sign 808.939+/-387.114 χ^2/NDF: 54.2/35

All: 463.796+/-274.548 χ^2/NDF: 82.4/72

- sign 114.500+/-389.436 χ^2/NDF: 26.7/36

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1885.861+/-0.336 χ^2/NDF:271540.0/19

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

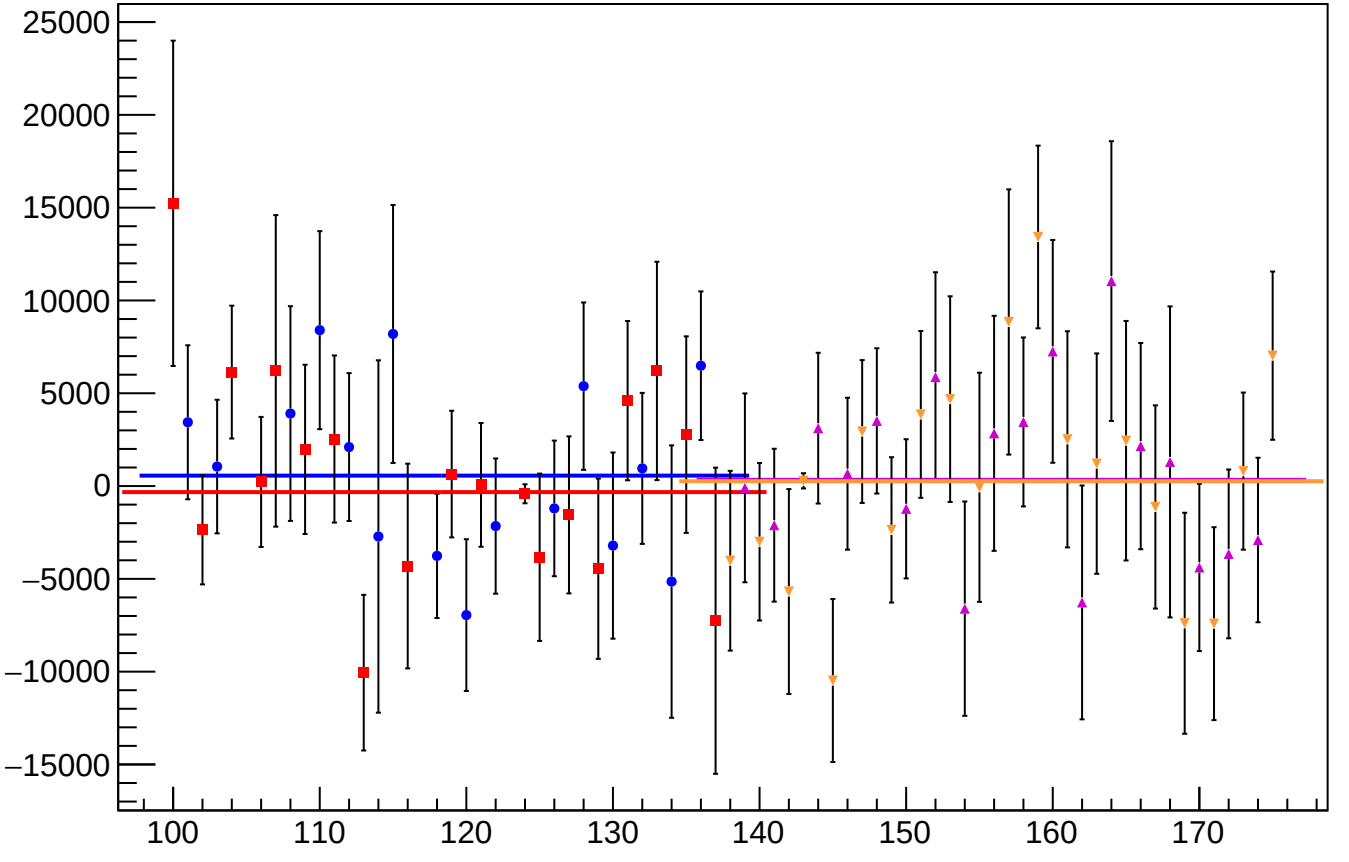
Left In: 1866.916+/-0.342 χ^2/NDF:35322.5/17

+ sign 1840.055+/-0.274 χ^2/NDF: 996251.4/35

All: 1830.621+/-0.194 χ^2/NDF: 1388611.8/72

- sign 1821.122+/-0.275 χ^2/NDF: 389976.5/36

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 260.670+/-385.041 χ^2/NDF:25.8/19

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

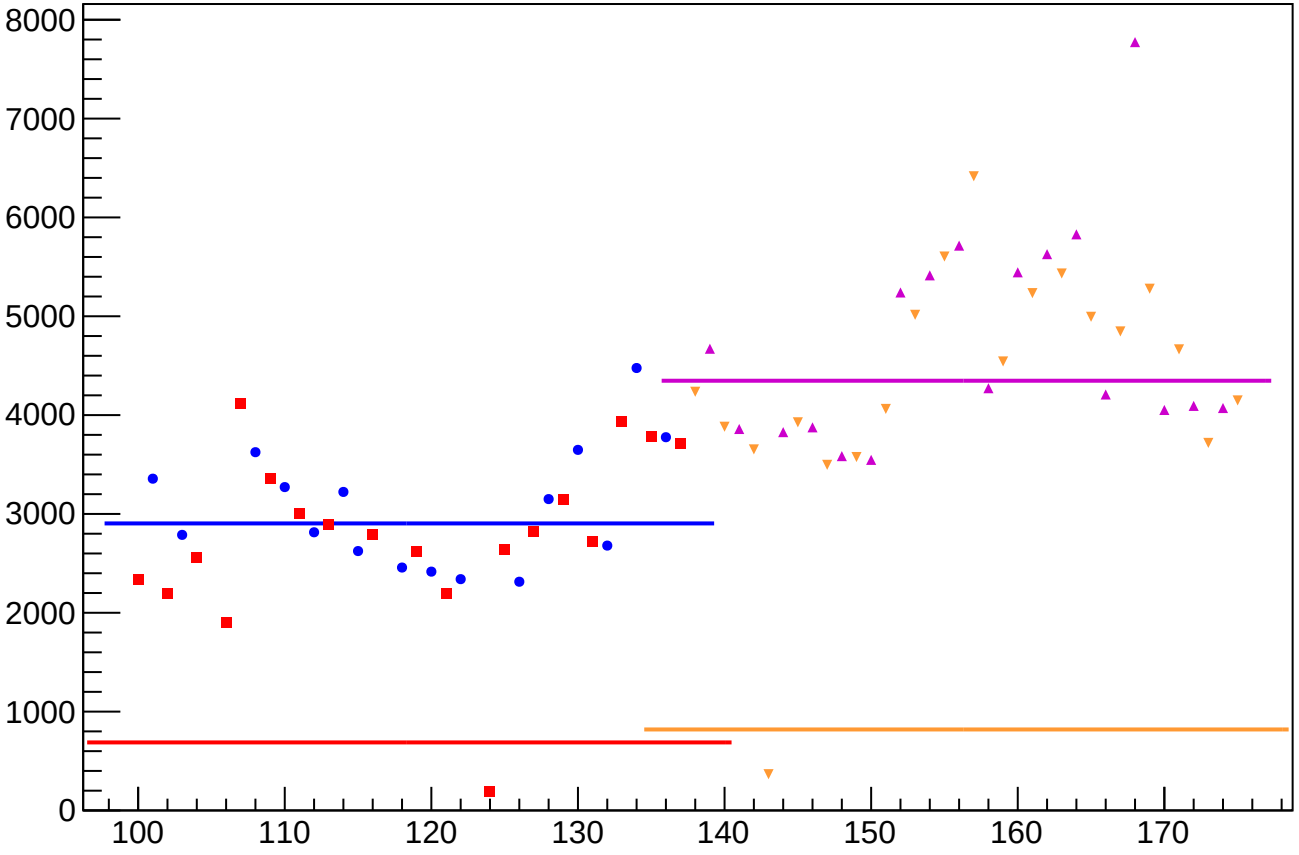
Left In: 334.436+/-1151.189 χ^2/NDF:11.7/17

+ sign 293.536+/-363.462 χ^2/NDF: 40.6/35

All: 70.417+/-276.367 χ^2/NDF: 72.7/72

- sign -235.392+/-425.516 χ^2/NDF: 31.2/36

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 819.442+/-0.272 χ^2/NDF:22248930.1/19

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

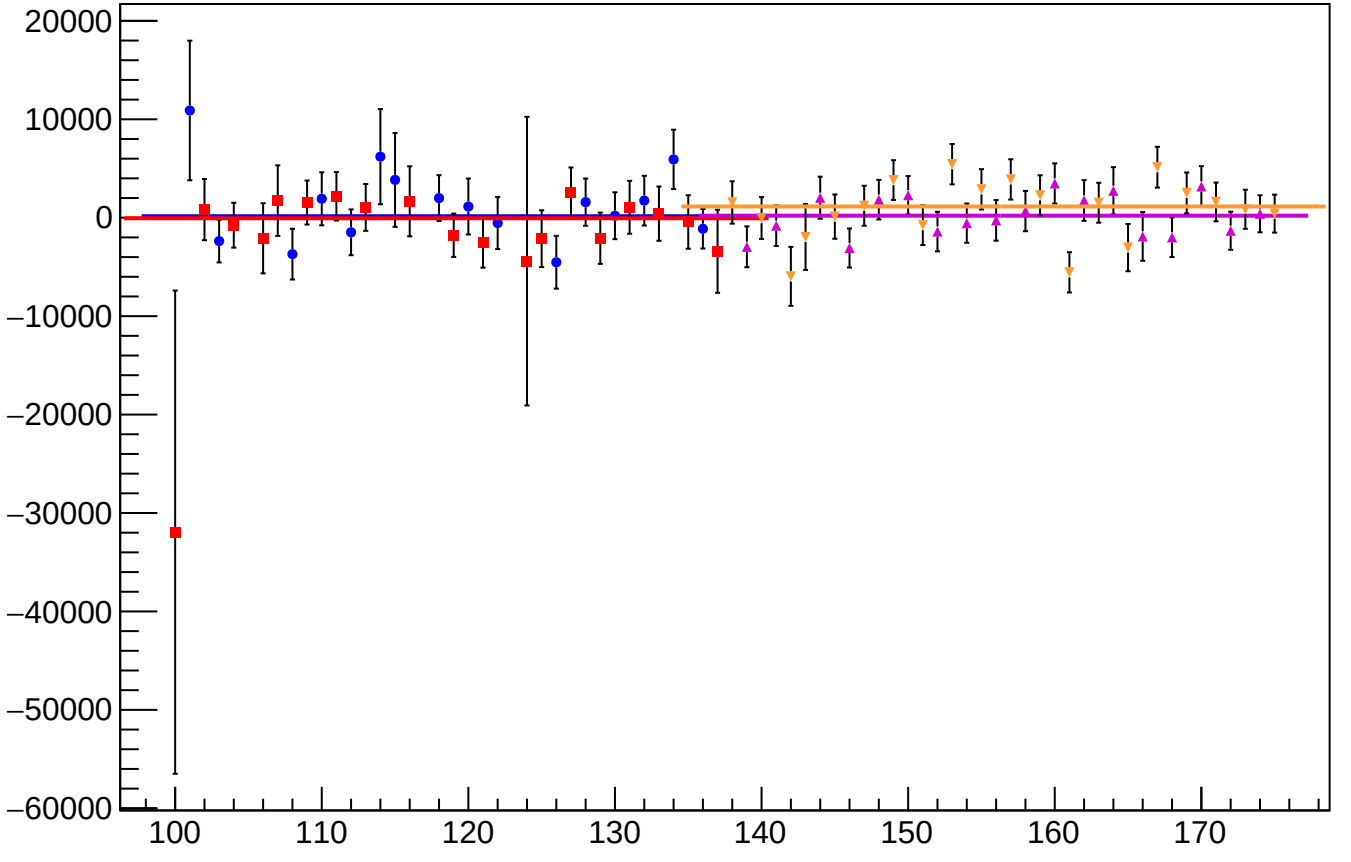
Left In: 4347.720+/-0.814 χ^2/NDF:1059728.0/17

+ sign 1046.555+/-0.257 χ^2/NDF: 29115503.0/35

All: 1106.345+/-0.195 χ^2/NDF: 57900819.3/7

- sign 1188.293+/-0.301 χ^2/NDF: 28657016.2/36

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1143.201+/-475.358 χ^2/NDF:35.0/19

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

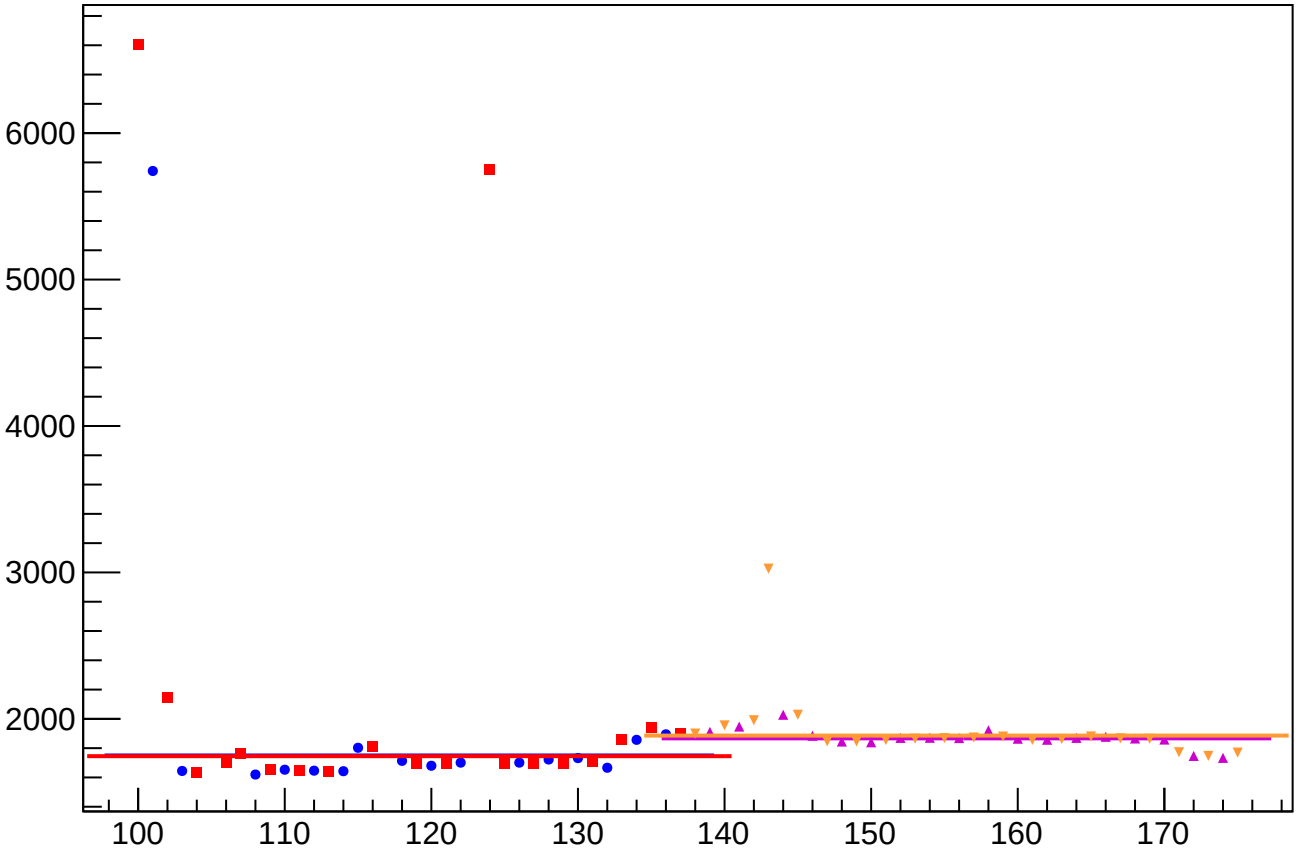
Left In: 206.569+/-484.233 χ^2/NDF:17.6/17

+ sign 808.764+/-387.114 χ^2/NDF: 54.1/35

All: 463.696+/-274.548 χ^2/NDF: 82.4/72

- sign 114.477+/-389.436 χ^2/NDF: 26.7/36

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1885.861+/-0.336 χ^2/NDF:271540.0/19

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

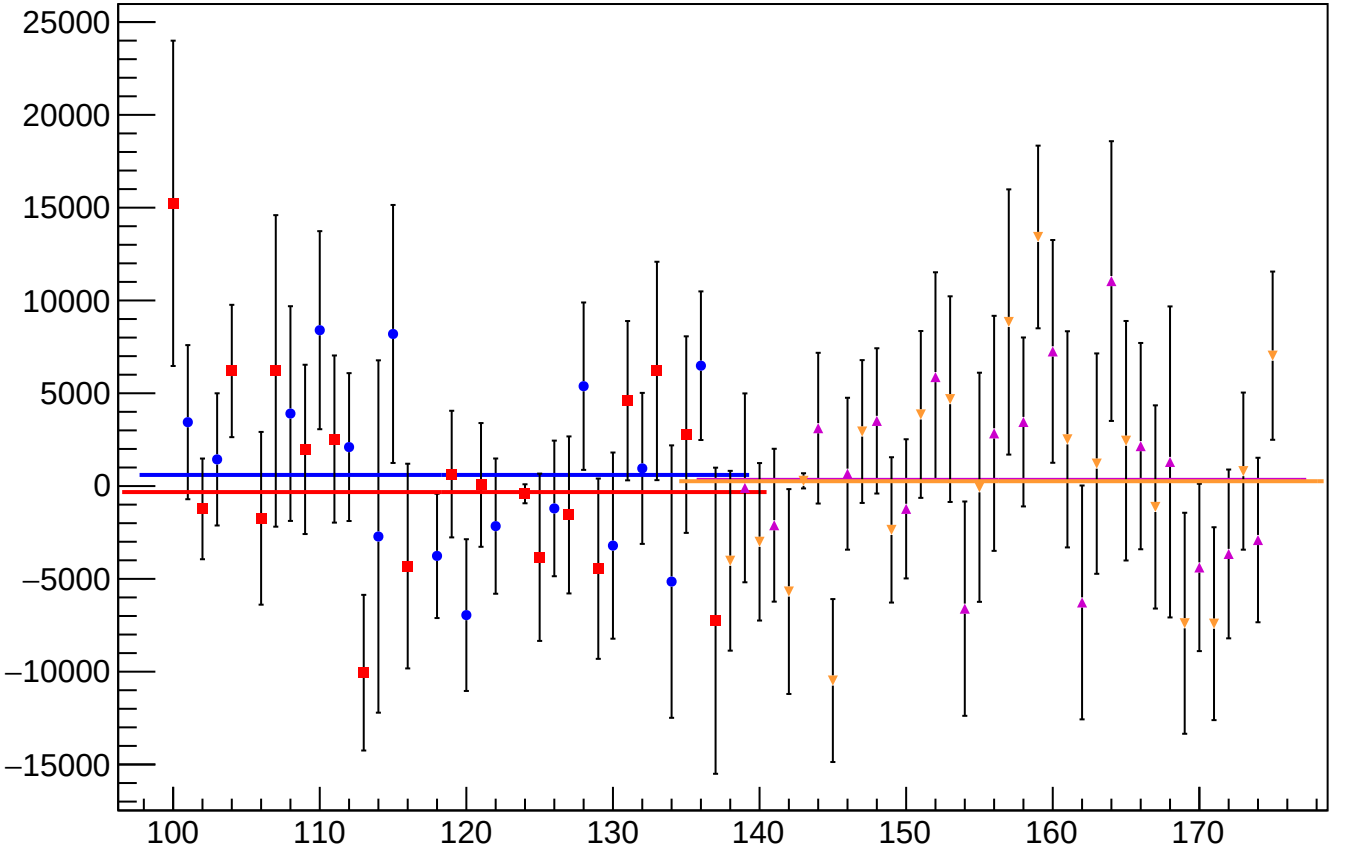
Left In: 1866.916+/-0.342 χ^2/NDF:35322.5/17

+ sign 1840.055+/-0.274 χ^2/NDF: 996251.8/35

All: 1831.921+/-0.194 χ^2/NDF: 1376185.0/72

- sign 1823.712+/-0.275 χ^2/NDF: 378158.9/36

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 261.593+/-385.071 χ^2/NDF:25.8/19

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

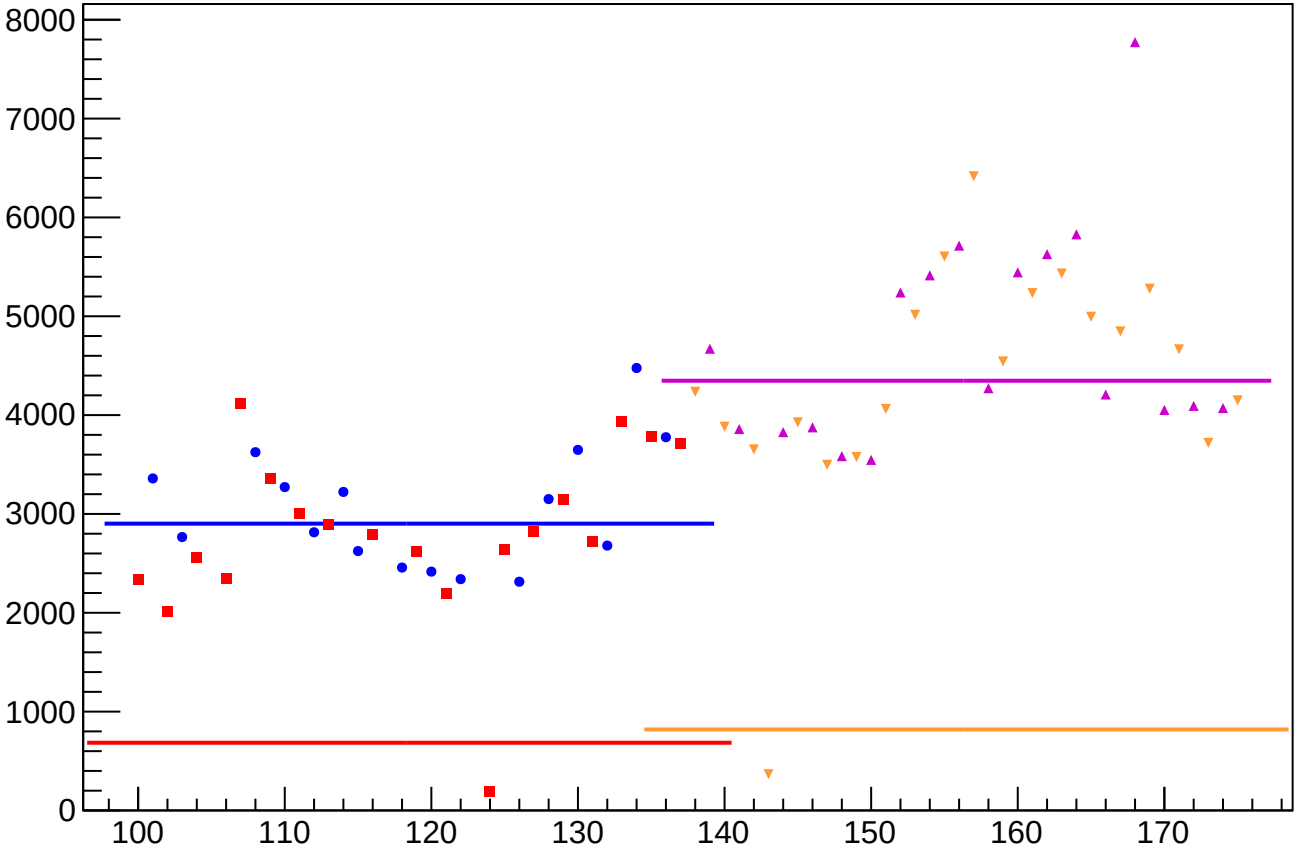
Left In: 334.470+/-1151.187 χ^2/NDF:11.7/17

+ sign 298.551+/-363.450 χ^2/NDF: 40.7/35

All: 74.779+/-276.562 χ^2/NDF: 72.6/72

- sign -233.003+/-426.249 χ^2/NDF: 31.0/36

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 819.550+/-0.272 χ^2/NDF:22248054.9/19

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

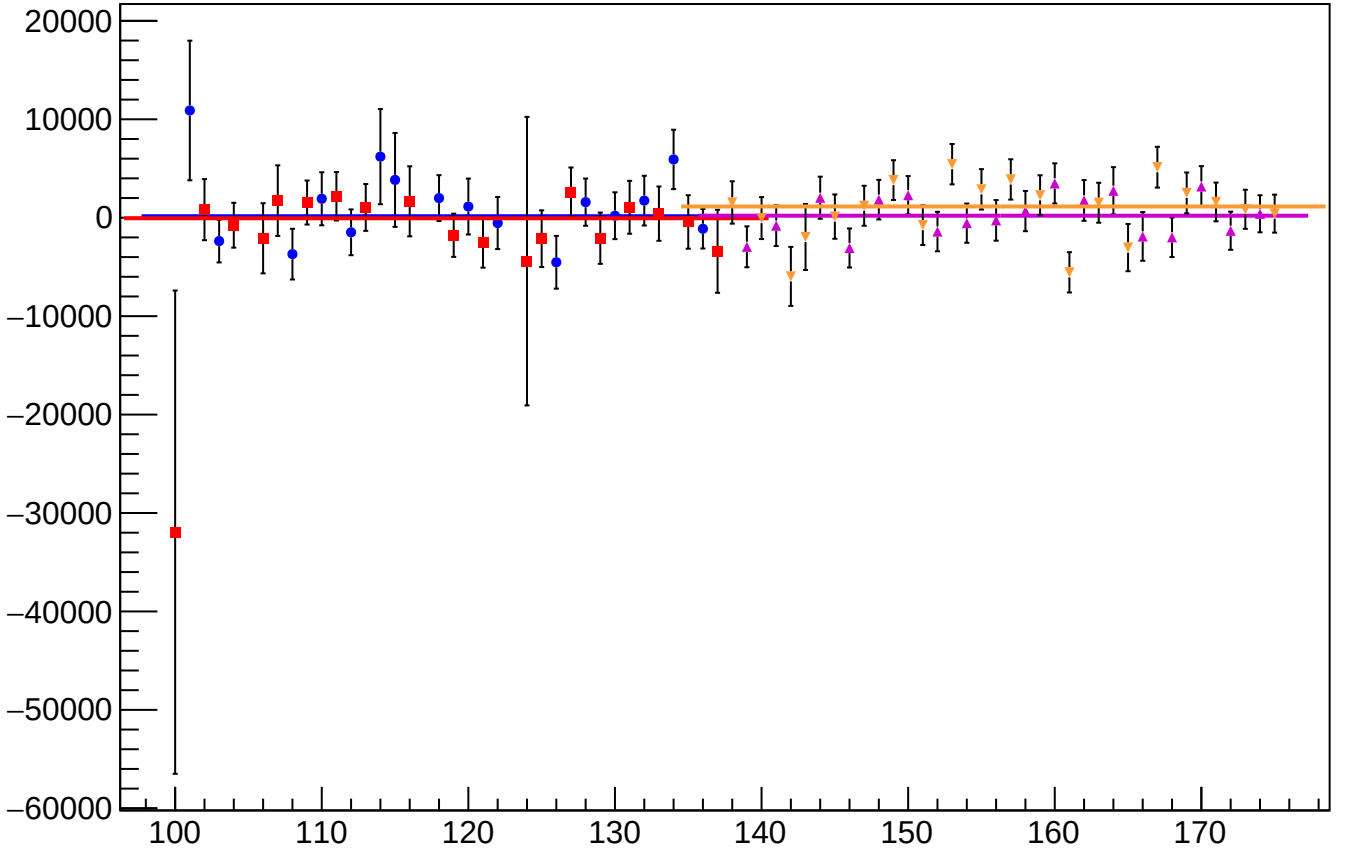
Left In: 4347.711+/-0.814 χ^2/NDF:1059744.6/17

+ sign 1046.824+/-0.257 χ^2/NDF: 29112269.8/35

All: 1105.993+/-0.196 χ^2/NDF: 57871741.1/7

- sign 1187.375+/-0.301 χ^2/NDF: 28633558.8/36

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1143.201+/-475.358 χ^2/NDF:35.0/19

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

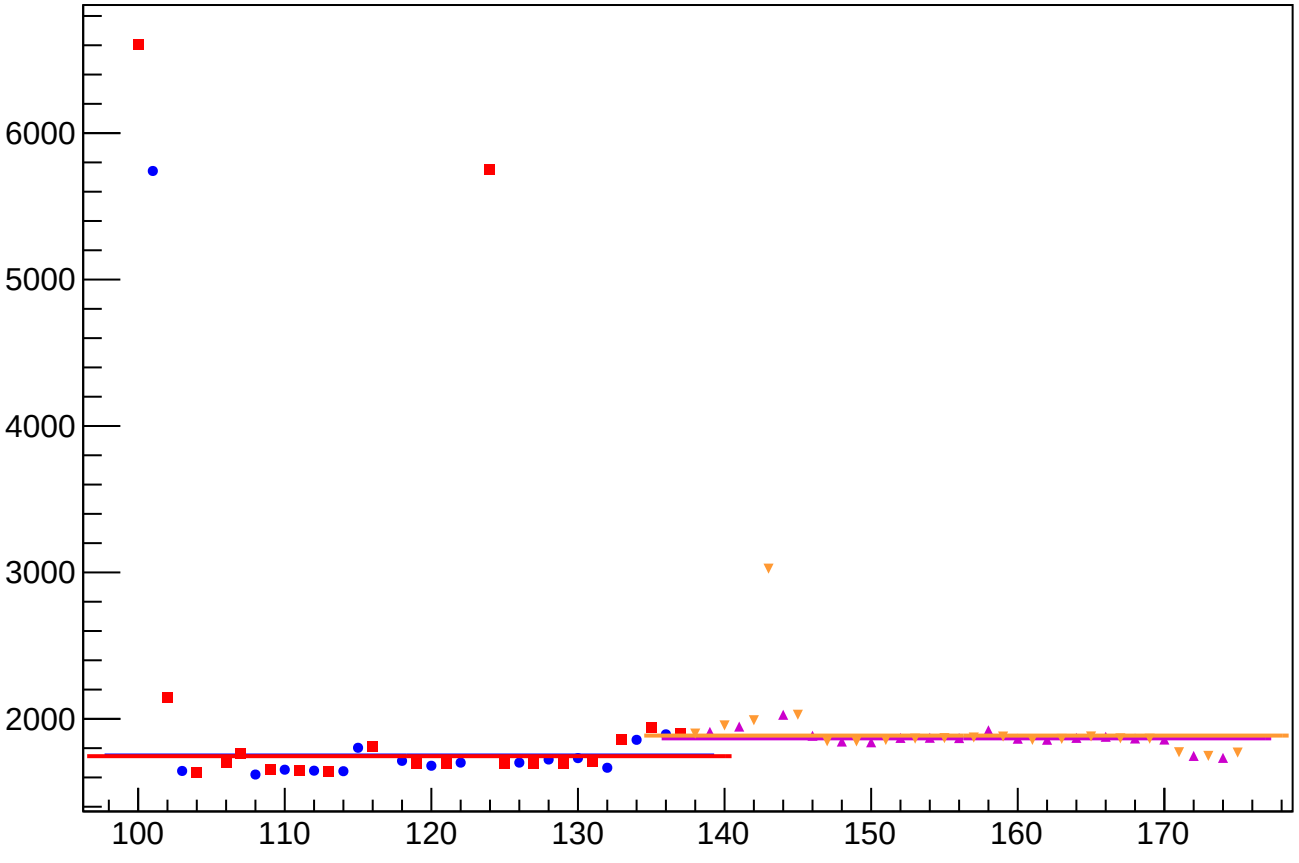
Left In: 206.569+/-484.233 χ^2/NDF:17.6/17

+ sign 808.764+/-387.114 χ^2/NDF: 54.1/35

All: 463.696+/-274.548 χ^2/NDF: 82.4/72

- sign 114.477+/-389.436 χ^2/NDF: 26.7/36

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1885.861+/-0.336 χ^2/NDF:271540.0/19

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

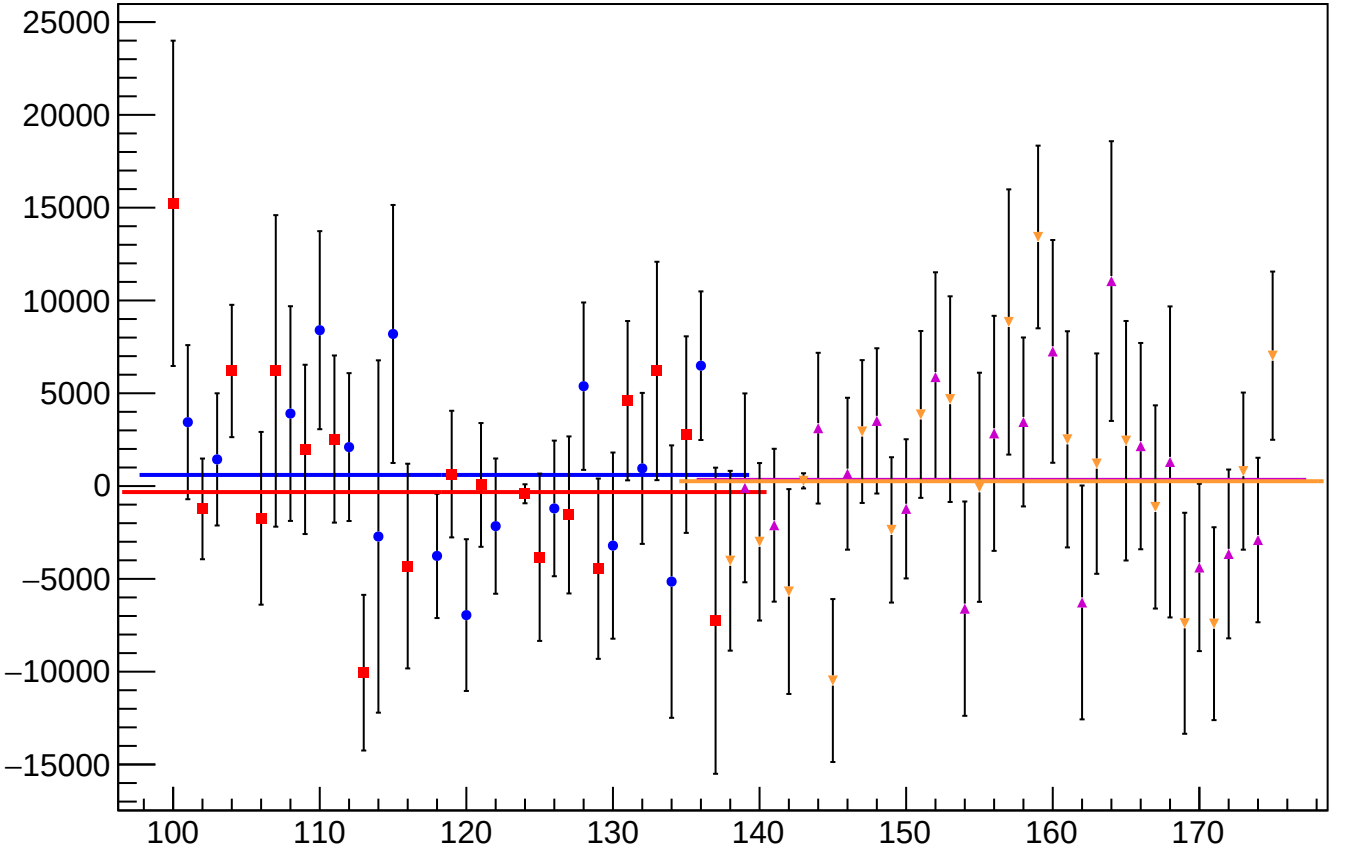
Left In: 1866.916+/-0.342 χ^2/NDF:35322.5/17

+ sign 1840.055+/-0.274 χ^2/NDF: 996251.8/35

All: 1831.921+/-0.194 χ^2/NDF: 1376185.0/72

- sign 1823.712+/-0.275 χ^2/NDF: 378158.9/36

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 261.593+/-385.071 χ^2/NDF:25.8/19

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

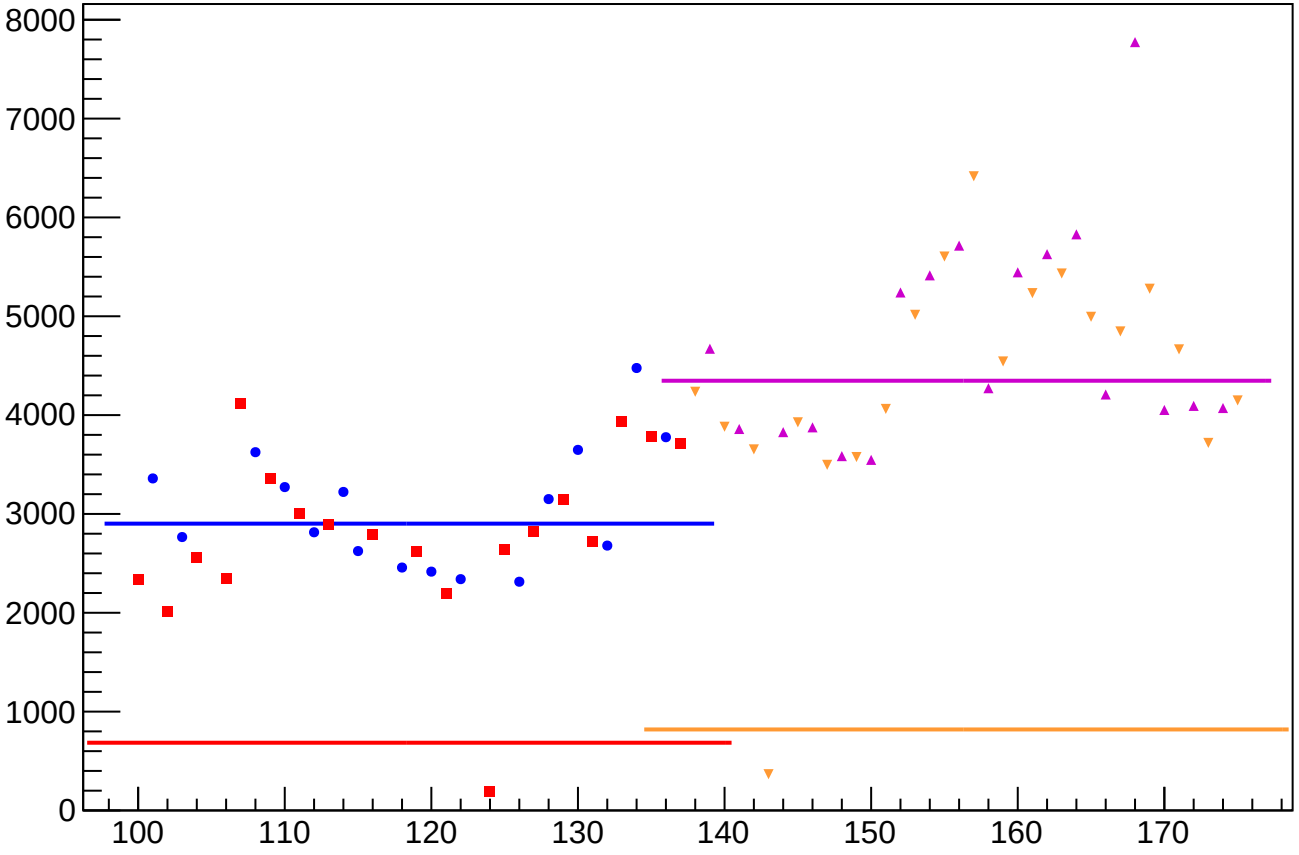
Left In: 334.470+/-1151.187 χ^2/NDF:11.7/17

+ sign 298.551+/-363.450 χ^2/NDF: 40.7/35

All: 74.779+/-276.562 χ^2/NDF: 72.6/72

- sign -233.003+/-426.249 χ^2/NDF: 31.0/36

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 819.550+/-0.272 χ^2/NDF:22248054.9/19

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

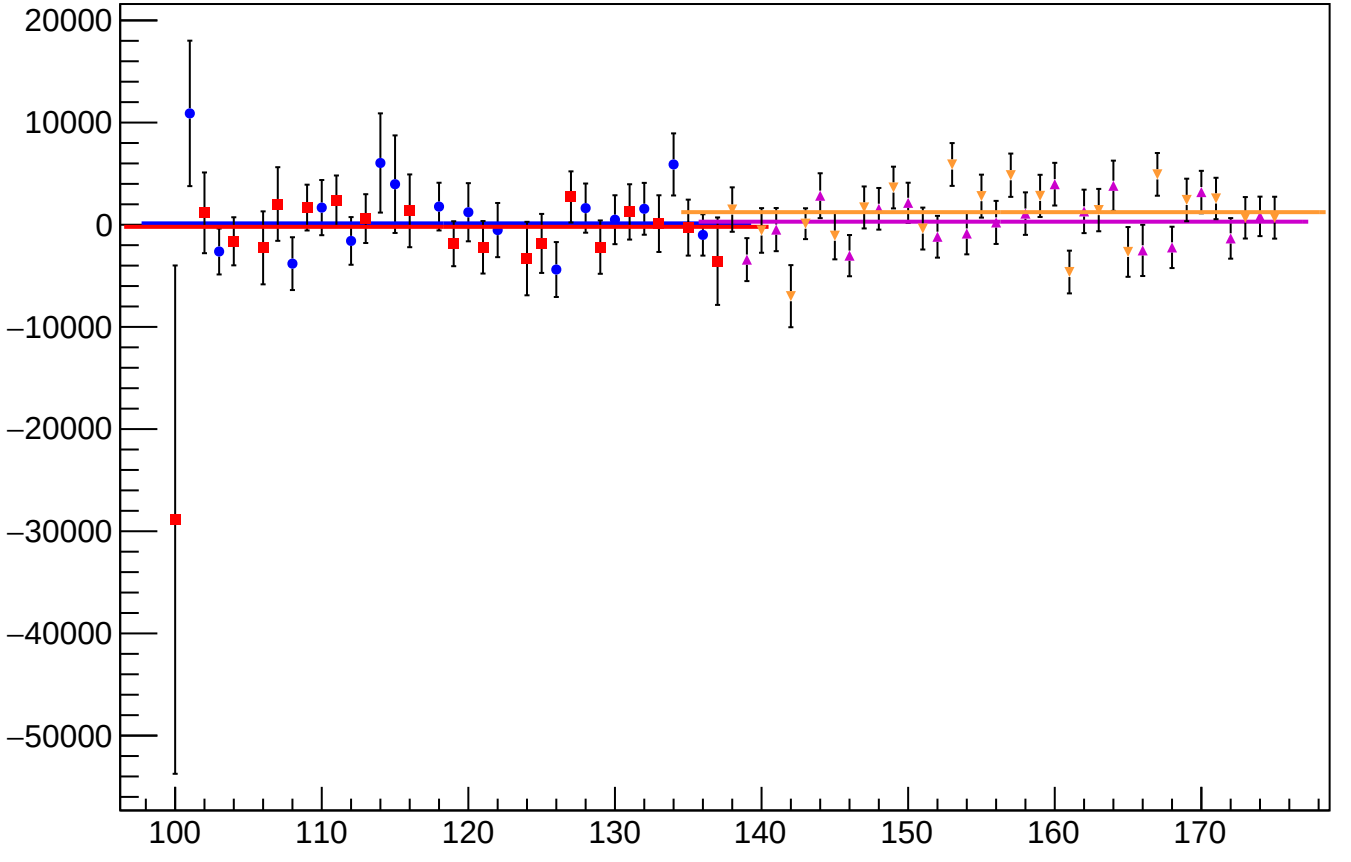
Left In: 4347.711+/-0.814 χ^2/NDF:1059744.6/17

+ sign 1046.824+/-0.257 χ^2/NDF: 29112269.8/35

All: 1105.993+/-0.196 χ^2/NDF: 57871741.1/7

- sign 1187.375+/-0.301 χ^2/NDF: 28633558.8/36

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1232.218+/-466.516 χ^2/NDF:35.1/19

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

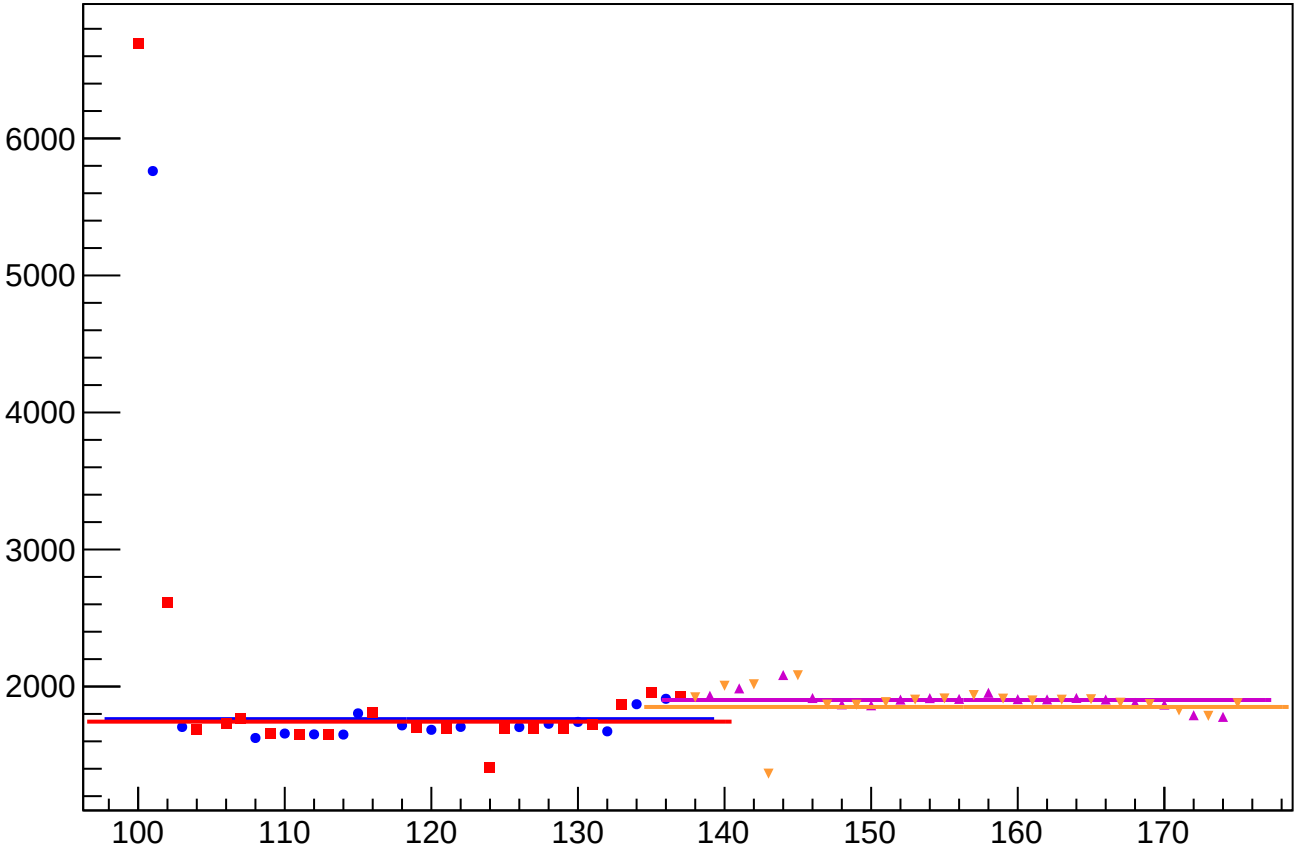
Left In: 298.014+/-493.282 χ^2/NDF:20.4/17

+ sign 874.742+/-383.152 χ^2/NDF: 54.2/35

All: 505.696+/-274.656 χ^2/NDF: 86.6/72

- sign 115.620+/-393.917 χ^2/NDF: 30.5/36

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1850.889+/-0.330 χ^2/NDF:261510.6/19

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

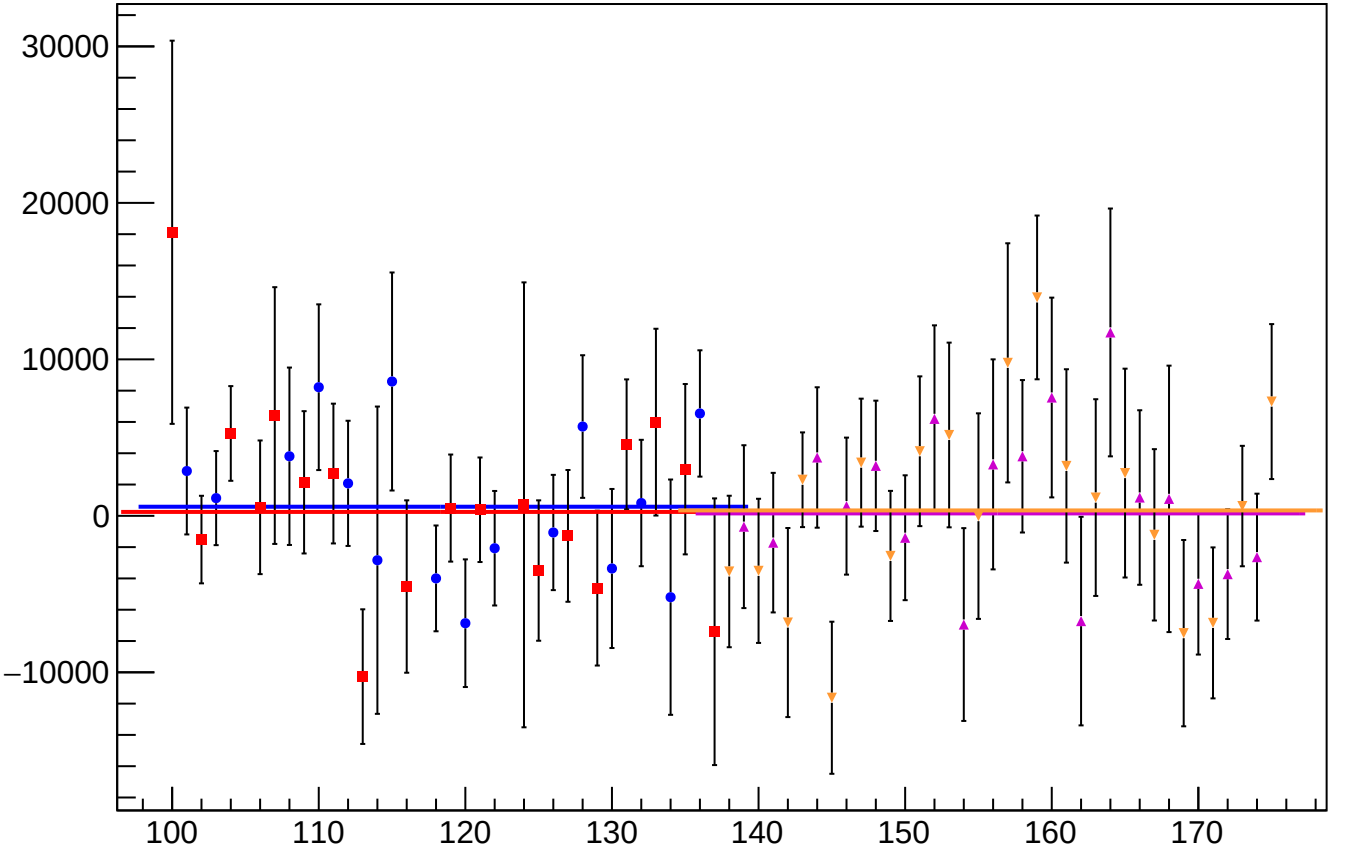
Left In: 1901.729+/-0.349 χ^2/NDF:35410.3/17

+ sign 1821.977+/-0.271 χ^2/NDF: 952811.1/35

All: 1832.828+/-0.194 χ^2/NDF: 1293898.1/72

- sign 1844.273+/-0.278 χ^2/NDF: 337790.9/36

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 345.320+/-1102.746 χ^2/NDF:26.3/19

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

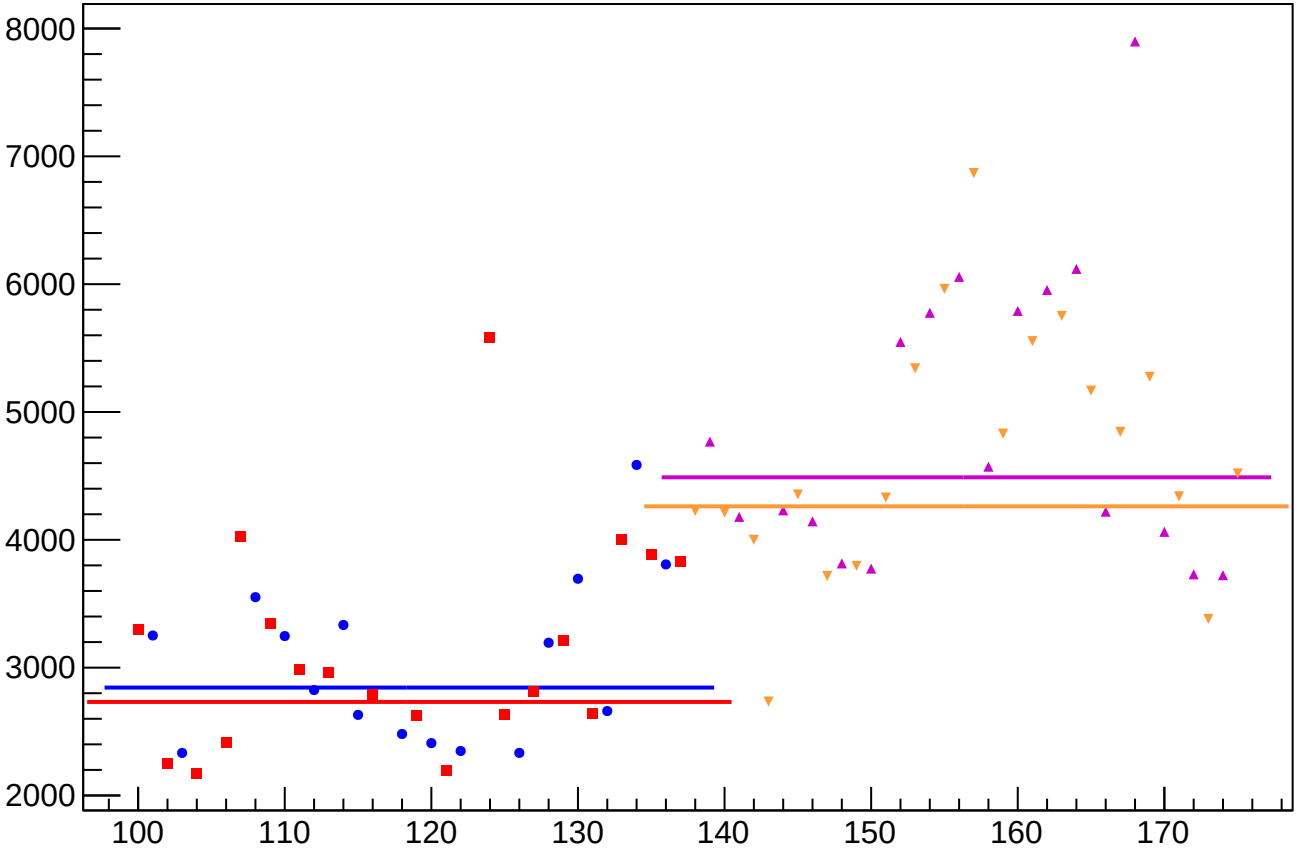
Left In: 155.442+/-1190.904 χ^2/NDF:11.6/17

\+ sign 466.078+/-772.131 χ^2/NDF: 41.1/35

All: 338.571+/-547.038 χ^2/NDF: 70.7/72

\- sign 210.070+/-775.134 χ^2/NDF: 29.5/36

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4261.780+/-0.780 χ^2/NDF:1460633.4/19

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

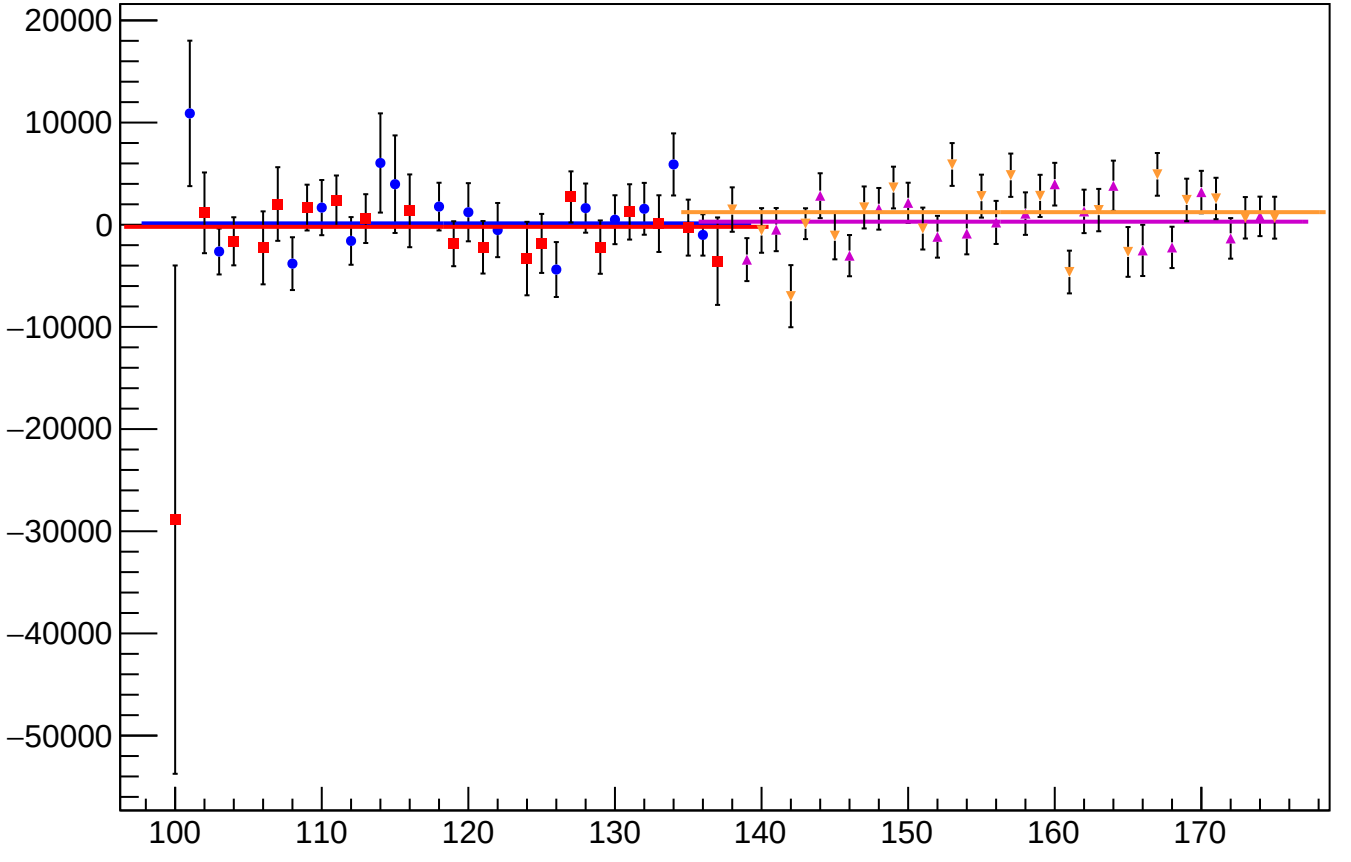
Left In: 4488.918+/-0.842 χ^2/NDF:1156925.9/17

+ sign 3539.166+/-0.546 χ^2/NDF: 3687462.0/35

All: 3507.852+/-0.387 χ^2/NDF: 7971160.2/72

- sign 3476.293+/-0.548 χ^2/NDF: 4277093.5/36

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1232.219+/-466.516 χ^2/NDF:35.1/19

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

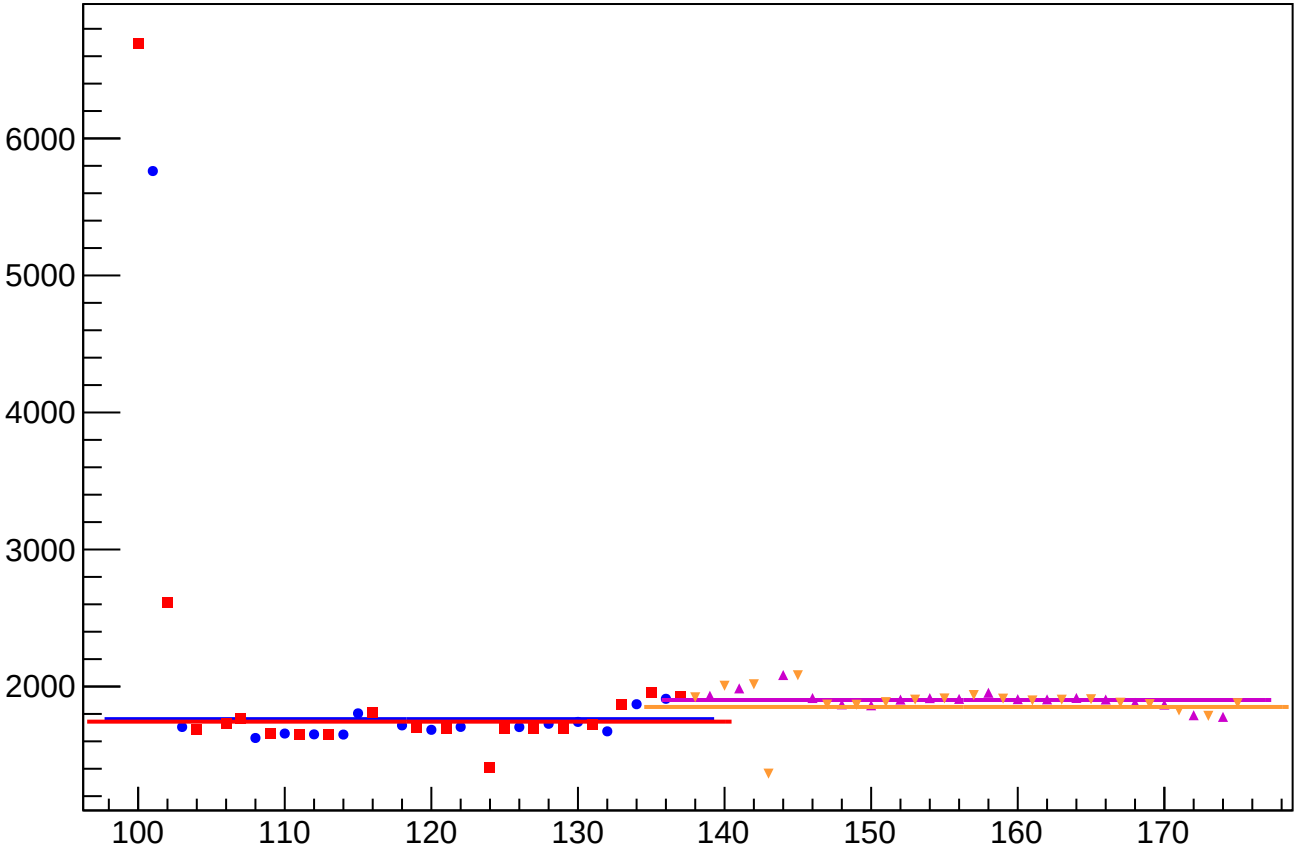
Left In: 298.015+/-493.282 χ^2/NDF:20.4/17

+ sign 874.742+/-383.152 χ^2/NDF: 54.2/35

All: 505.696+/-274.656 χ^2/NDF: 86.6/72

- sign 115.621+/-393.917 χ^2/NDF: 30.5/36

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1850.890+/-0.330 χ^2/NDF:261512.2/19

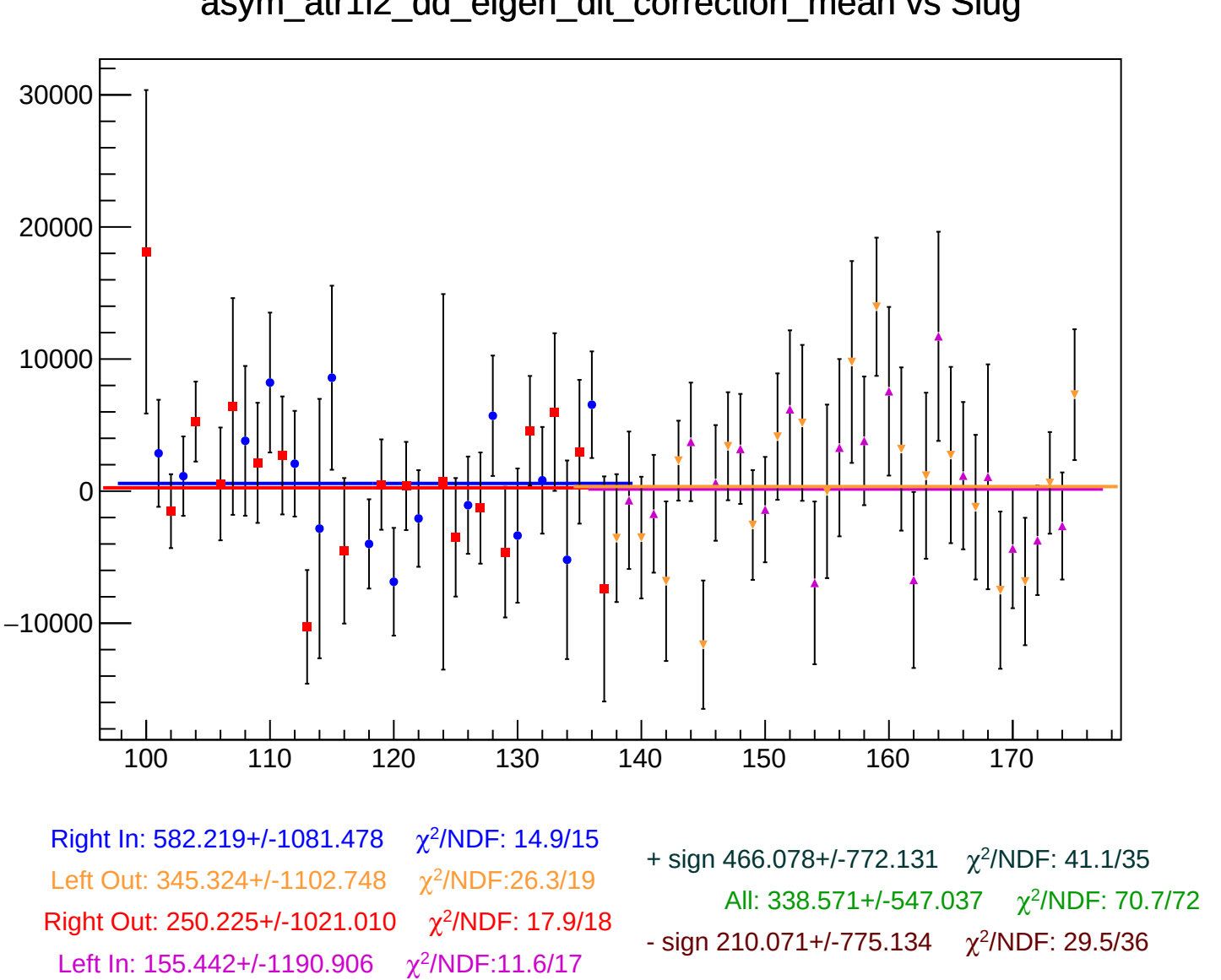
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1901.730+/-0.349 χ^2/NDF:35411.4/17

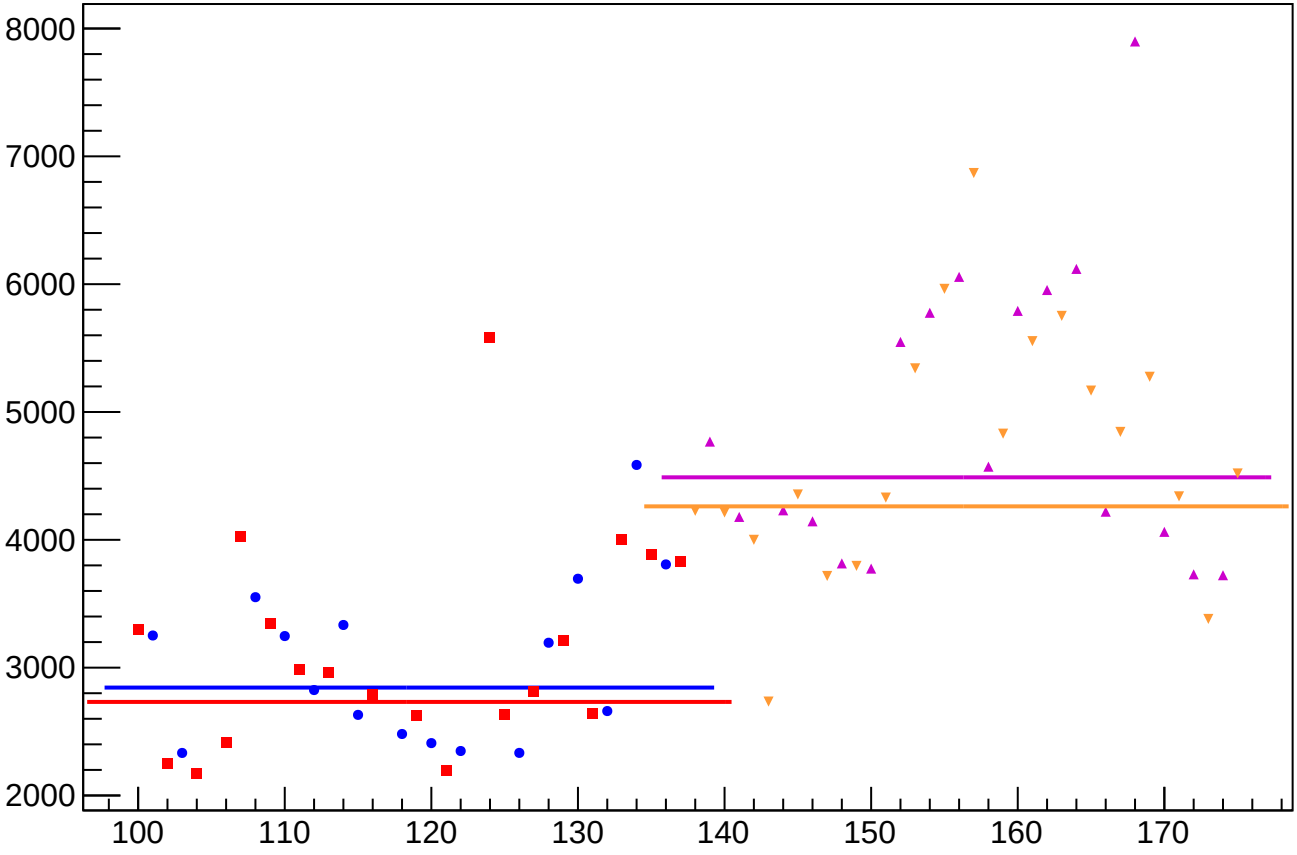
+ sign 1821.977+/-0.271 χ^2/NDF: 952812.9/35

All: 1832.828+/-0.194 χ^2/NDF: 1293901.6/72

- sign 1844.274+/-0.278 χ^2/NDF: 337792.5/36


asym_atr1l2_dd_eigen_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: 582.219+/-1081.478 χ²/NDF: 14.9/15
Left Out: 345.324+/-1102.748 χ²/NDF:26.3/19
Right Out: 250.225+/-1021.010 χ²/NDF: 17.9/18
Left In: 155.442+/-1190.906 χ²/NDF:11.6/17
+ sign 466.078+/-772.131 χ²/NDF: 41.1/35
All: 338.571+/-547.037 χ²/NDF: 70.7/72
- sign 210.071+/-775.134 χ²/NDF: 29.5/36

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4261.787+/-0.780 χ^2/NDF:1460636.8/19

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

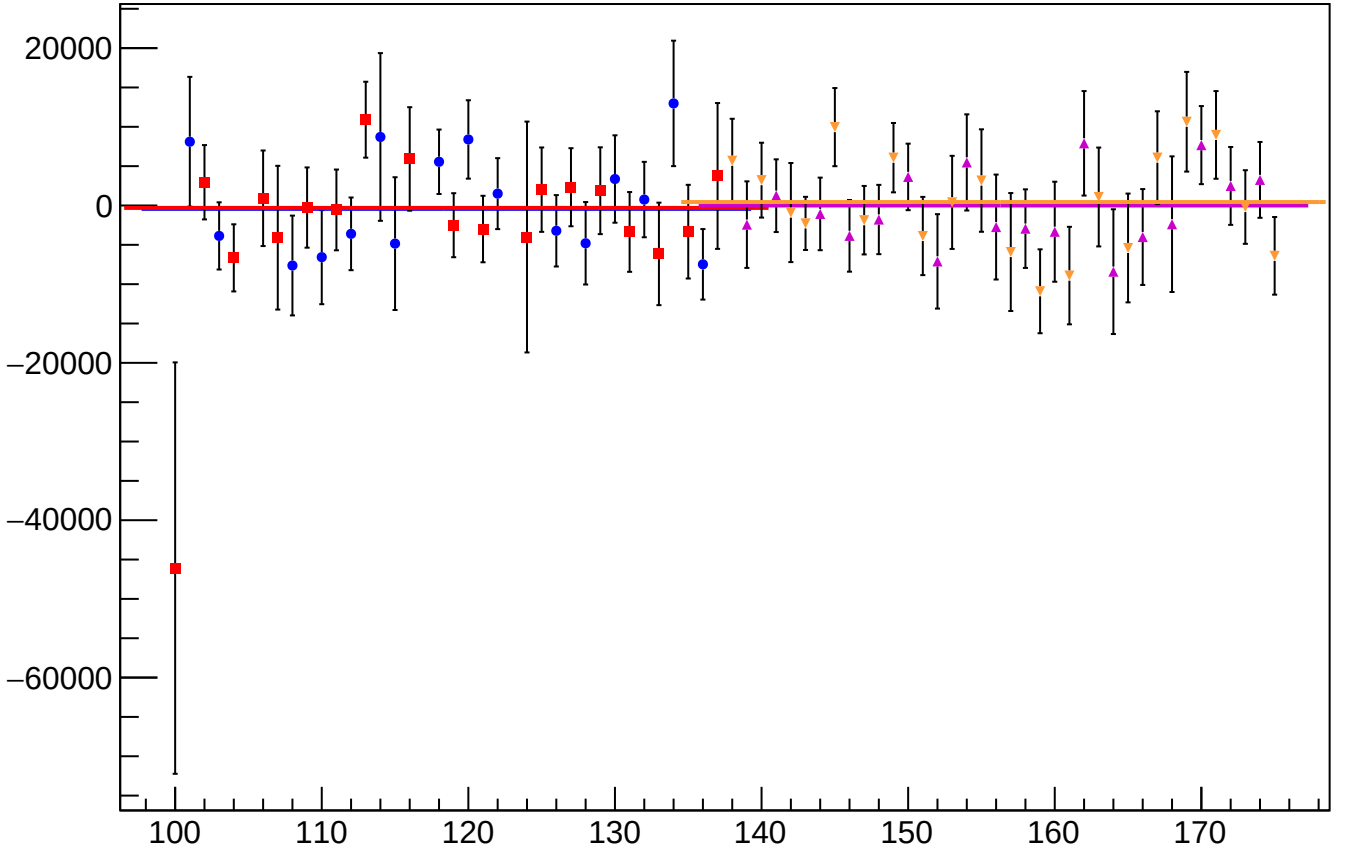
Left In: 4488.925+/-0.842 χ^2/NDF:1156925.3/17

+ sign 3539.162+/-0.546 χ^2/NDF: 3687504.7/35

All: 3507.848+/-0.387 χ^2/NDF: 7971237.2/72

- sign 3476.290+/-0.548 χ^2/NDF: 4277127.9/36

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 437.481+/-1172.274 χ^2/NDF:24.6/19

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

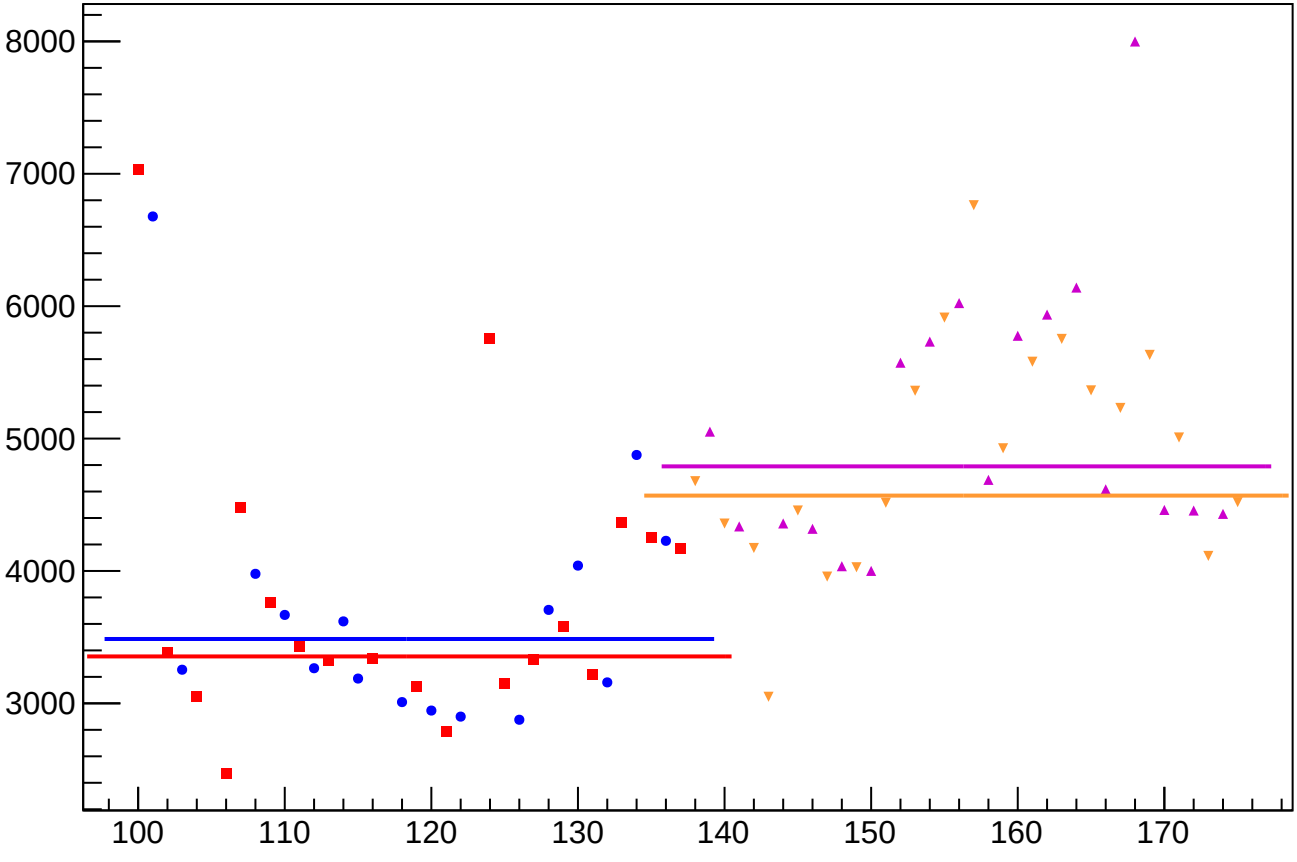
Left In: -1.704+/-1261.887 χ^2/NDF:11.1/17

+ sign 60.333+/-878.633 χ^2/NDF: 42.7/35

All: -44.157+/-627.728 χ^2/NDF: 69.1/72

- sign -153.095+/-897.139 χ^2/NDF: 26.4/36

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4569.268+/-0.829 χ^2/NDF:1053934.4/19

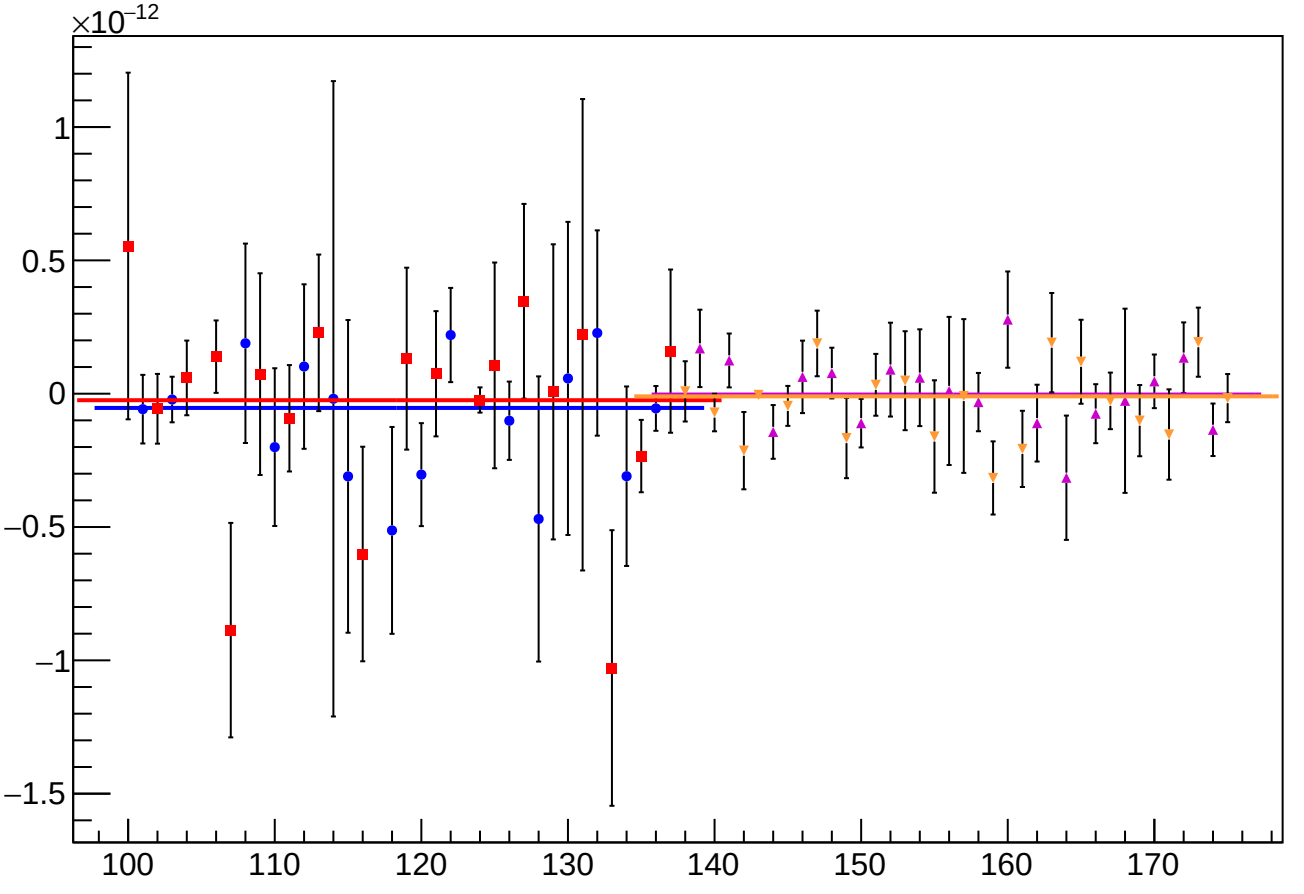
Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4790.041+/-0.892 χ^2/NDF:815674.6/17

+ sign 4094.617+/-0.621 χ^2/NDF: 2397921.0/35

All: 4082.470+/-0.442 χ^2/NDF: 4889157.5/72

- sign 4069.981+/-0.630 χ^2/NDF: 2490461.1/36



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

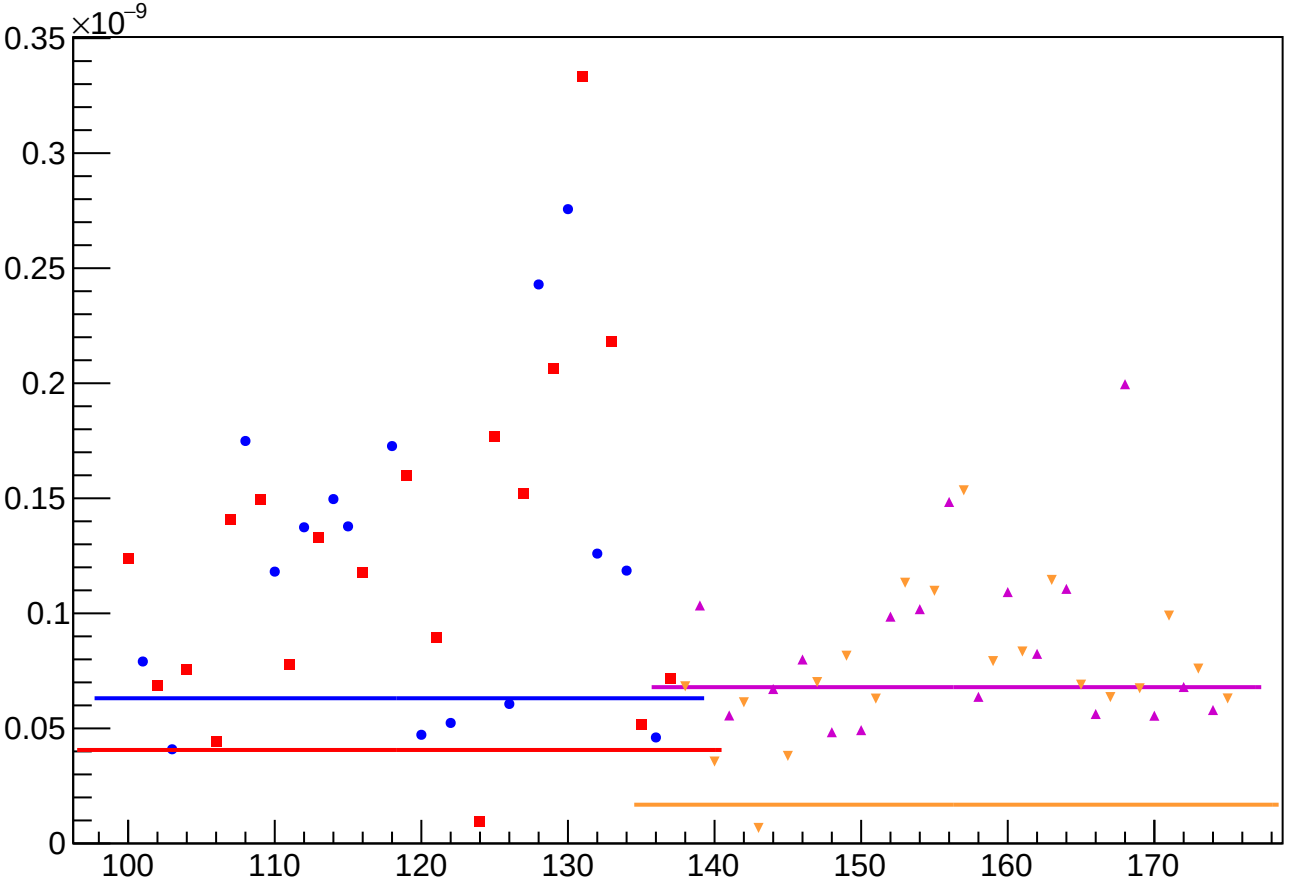
Left In: -0.000+/-0.000 χ^2/NDF:16.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 29.5/35

All: -0.000+/-0.000 χ^2/NDF: 64.2/72

- sign -0.000+/-0.000 χ^2/NDF: 34.7/36

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8271773.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

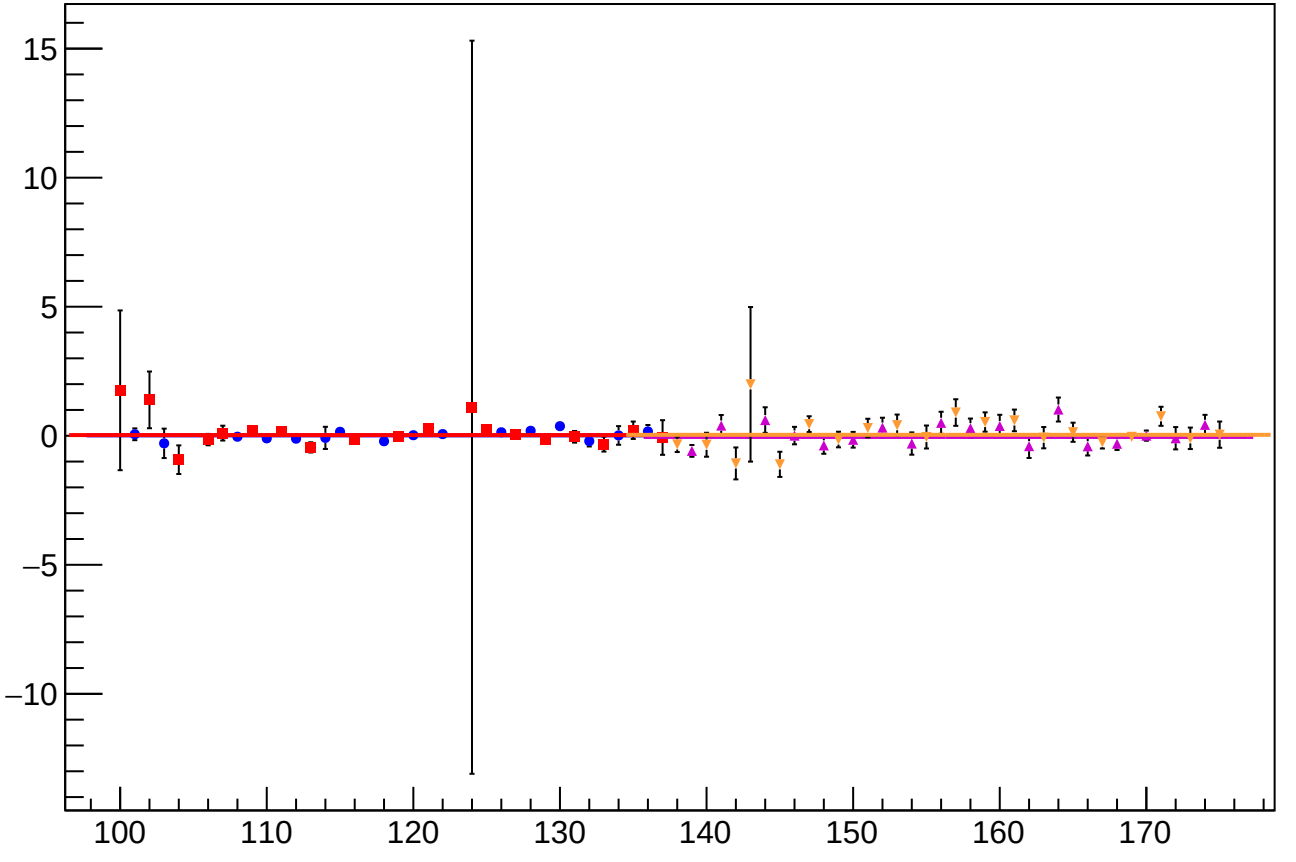
Left In: 0.000+/-0.000 χ^2/NDF:1191350.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 11728098.9/35

All: 0.000+/-0.000 χ^2/NDF: 20982483.6/72

- sign 0.000+/-0.000 χ^2/NDF: 5054712.6/36

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.079 χ^2/NDF:26.9/19

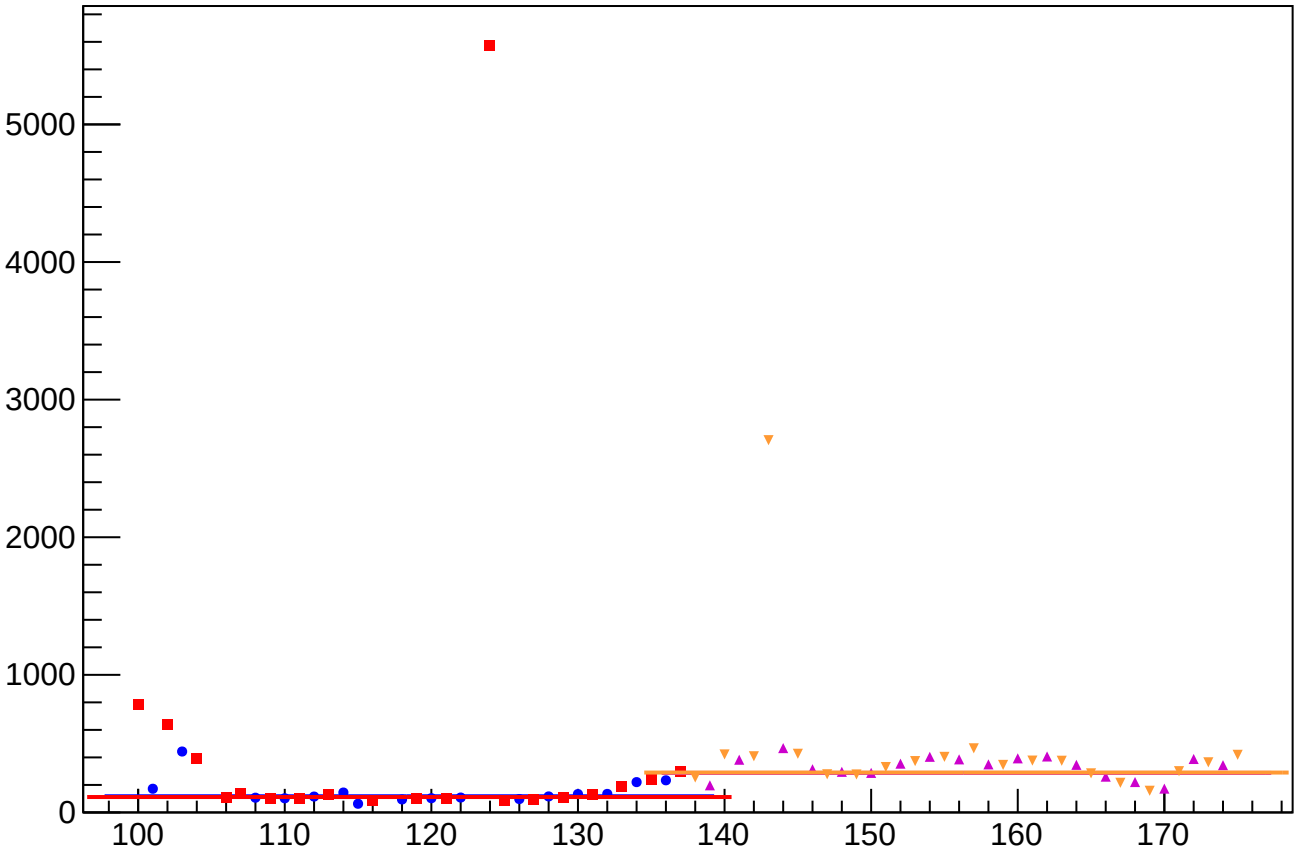
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.046+/-0.079 χ^2/NDF:23.9/17

+ sign 0.021+/-0.041 χ^2/NDF: 38.8/35

All: 0.014+/-0.029 χ^2/NDF: 85.4/72

- sign 0.007+/-0.040 χ^2/NDF: 46.6/36



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 289.974+/-0.056 χ^2/NDF:3909390.9/19

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

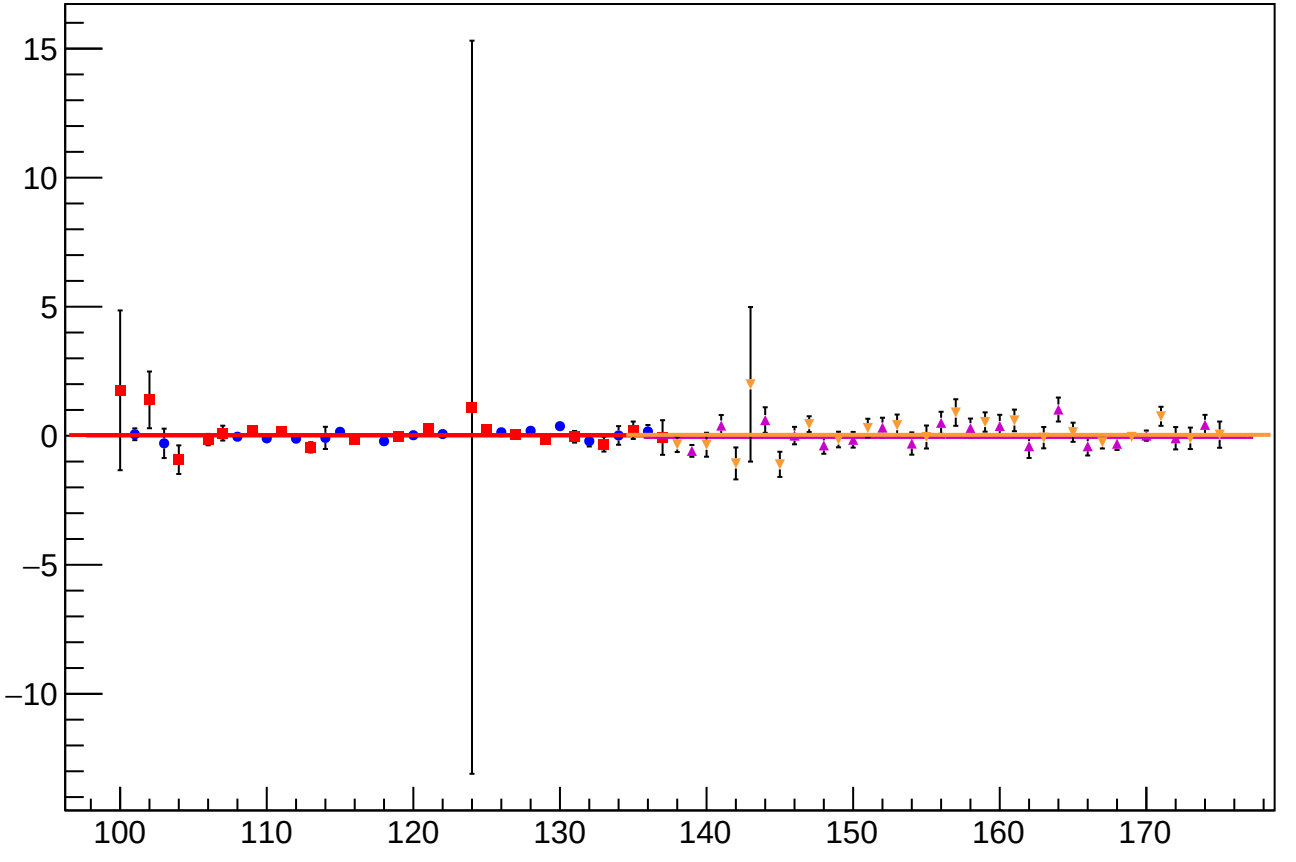
Left In: 287.230+/-0.056 χ^2/NDF:2348177.4/17

+ sign 163.609+/-0.029 χ^2/NDF: 12537359.0/35

All: 160.646+/-0.020 χ^2/NDF: 24380900.5/72

- sign 157.789+/-0.028 χ^2/NDF: 11823043.6/36

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.079 χ^2/NDF:26.9/19

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

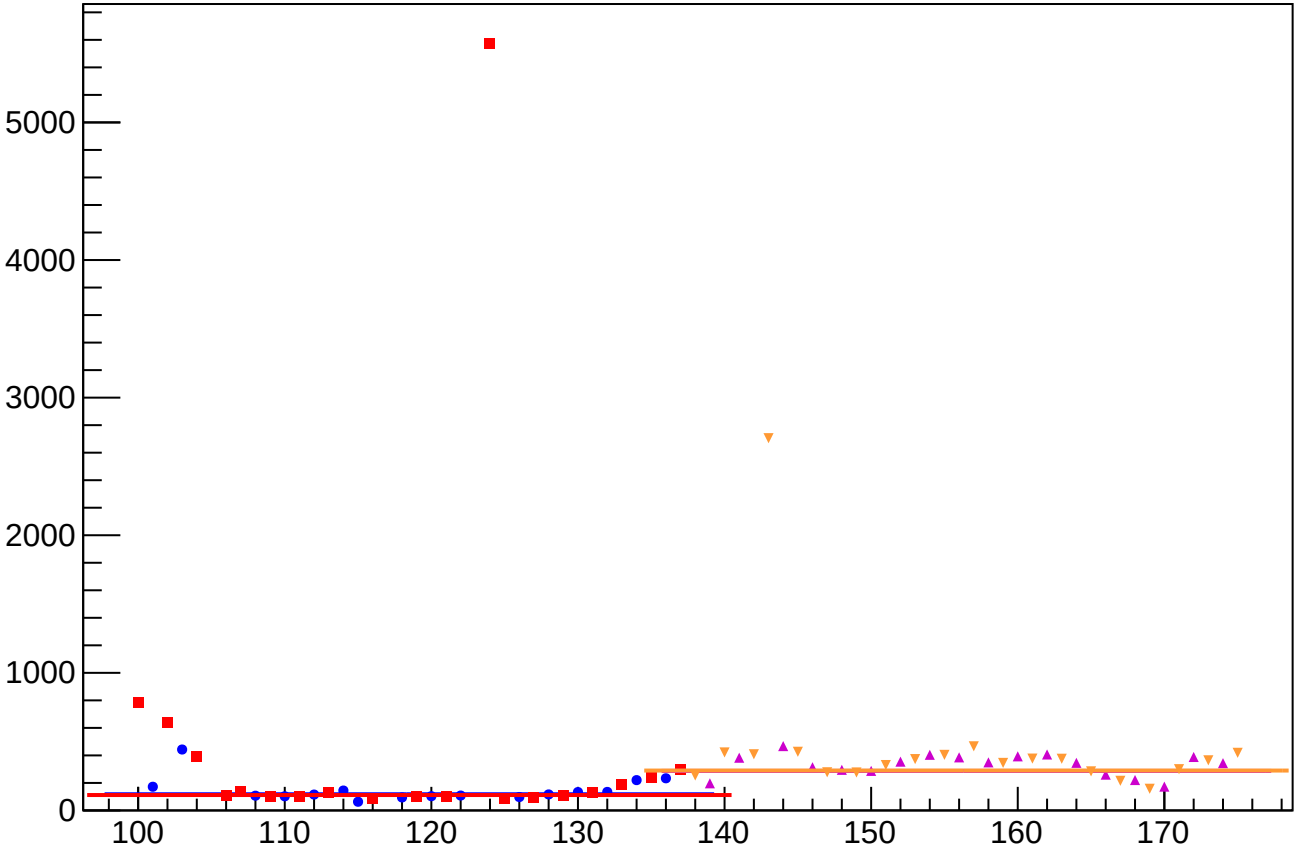
Left In: -0.046+/-0.079 χ^2/NDF:23.9/17

+ sign 0.021+/-0.041 χ^2/NDF: 38.8/35

All: 0.014+/-0.029 χ^2/NDF: 85.4/72

- sign 0.007+/-0.040 χ^2/NDF: 46.6/36

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 289.974+/-0.056 χ^2/NDF:3909390.9/19

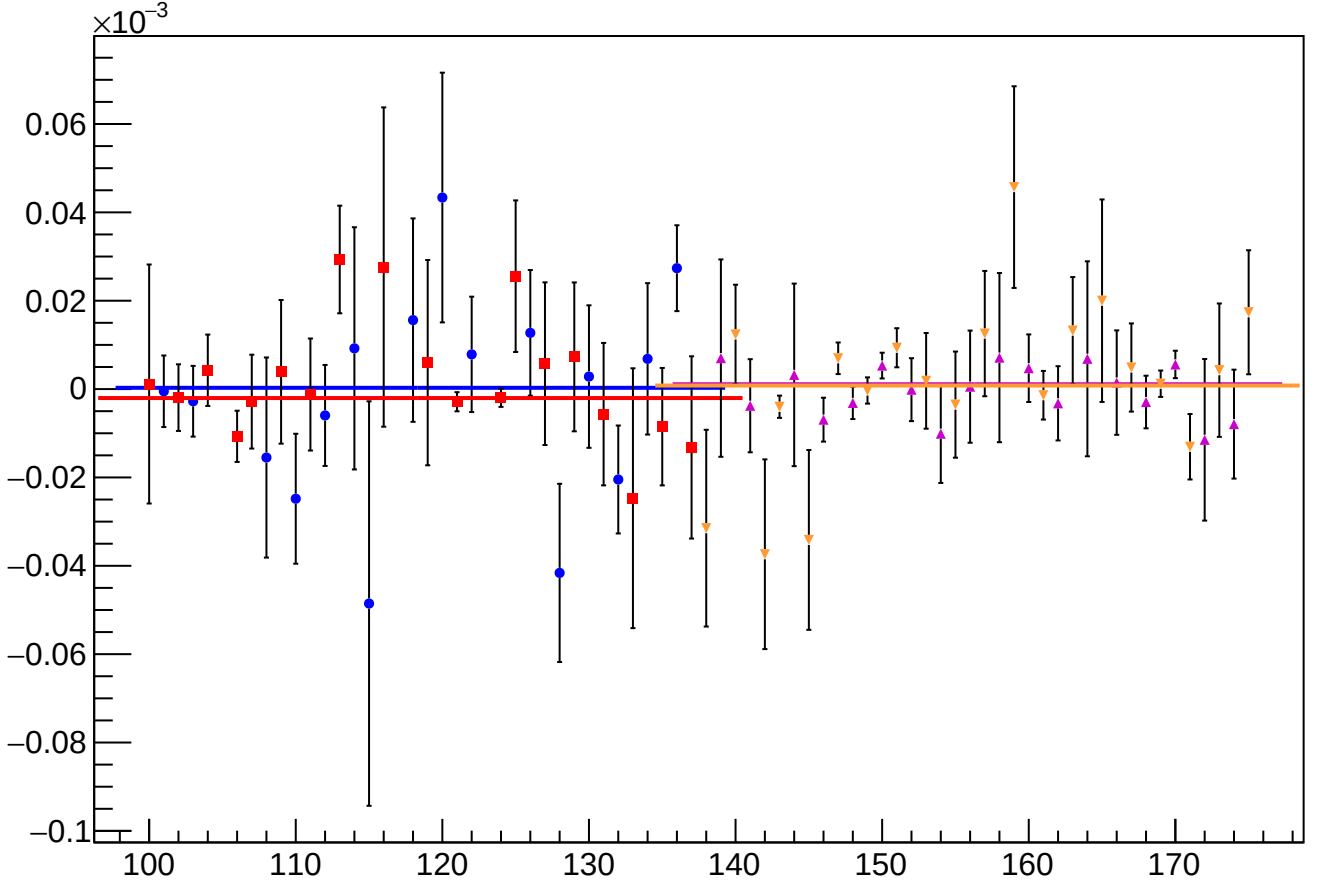
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 287.230+/-0.056 χ^2/NDF:2348177.4/17

+ sign 163.609+/-0.029 χ^2/NDF: 12537359.0/35

All: 160.646+/-0.020 χ^2/NDF: 24380900.5/72

- sign 157.789+/-0.028 χ^2/NDF: 11823043.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

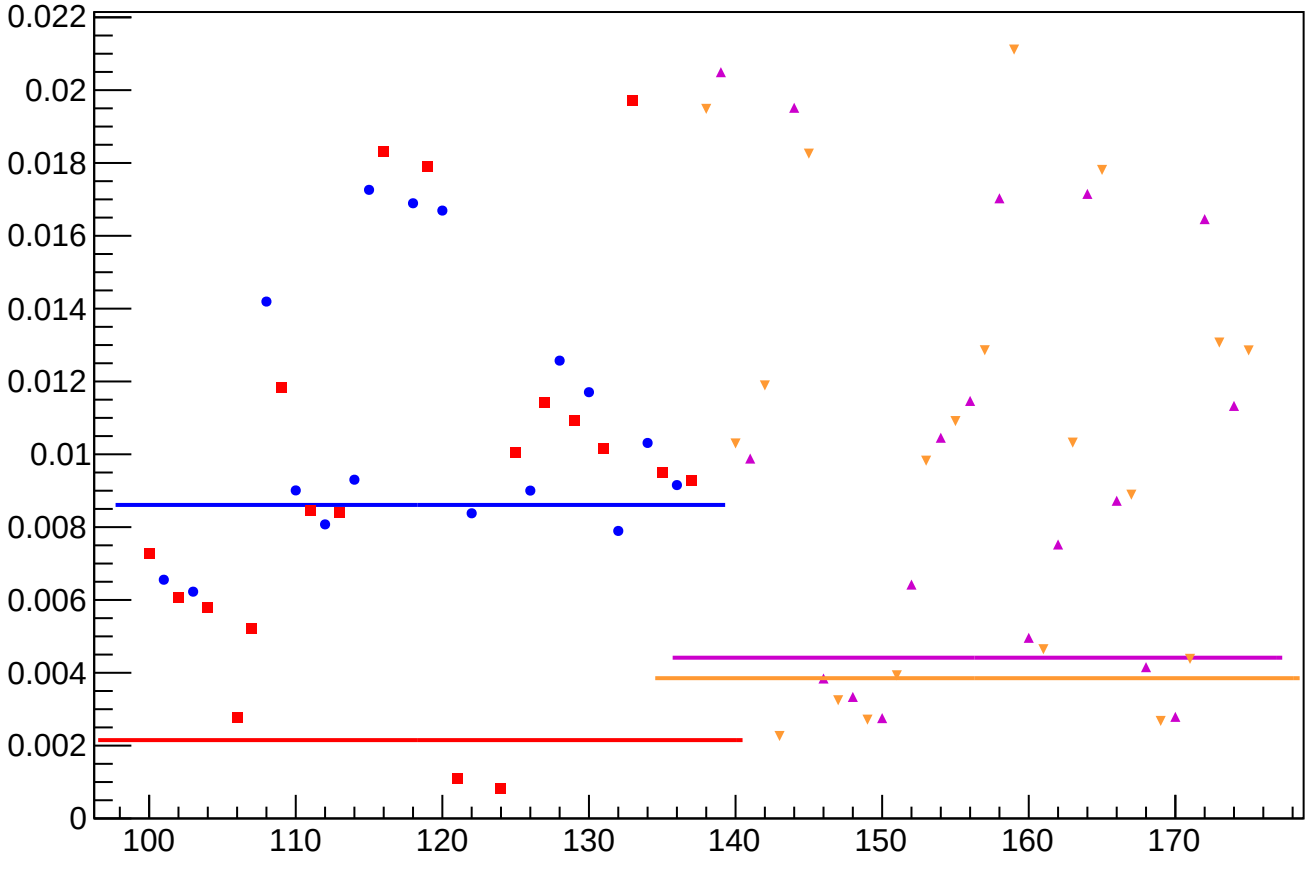
Left In: 0.000+/-0.000 χ^2/NDF:11.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 55.6/35

All: -0.000+/-0.000 χ^2/NDF: 85.3/72

- sign -0.000+/-0.000 χ^2/NDF: 28.9/36

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:11072566.2/19

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

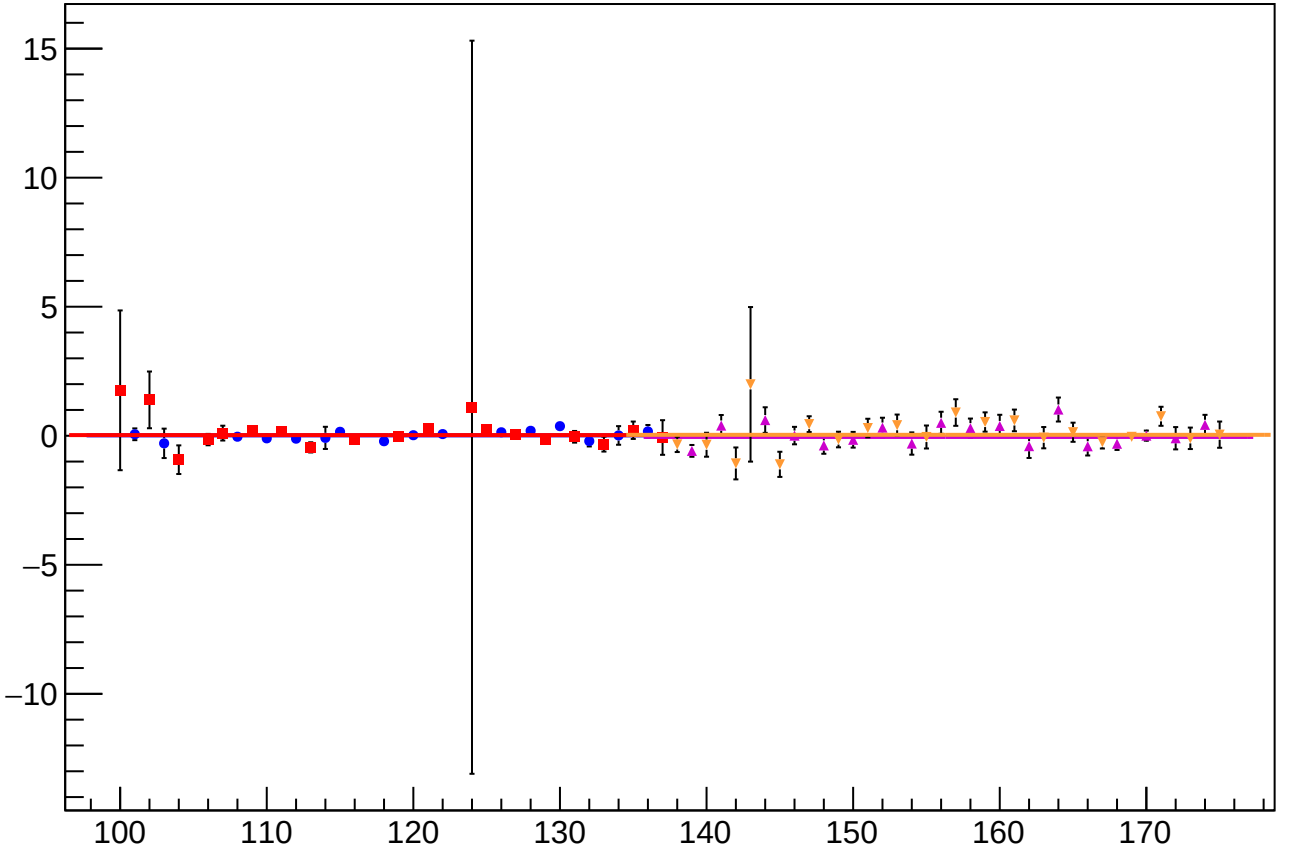
Left In: 0.004+/-0.000 χ^2/NDF:8988696.6/17

+ sign 0.004+/-0.000 χ^2/NDF: 15675937.0/35

All: 0.004+/-0.000 χ^2/NDF: 37682852.0/72

- sign 0.003+/-0.000 χ^2/NDF: 20677071.5/36

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.079 χ^2/NDF:26.9/19

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

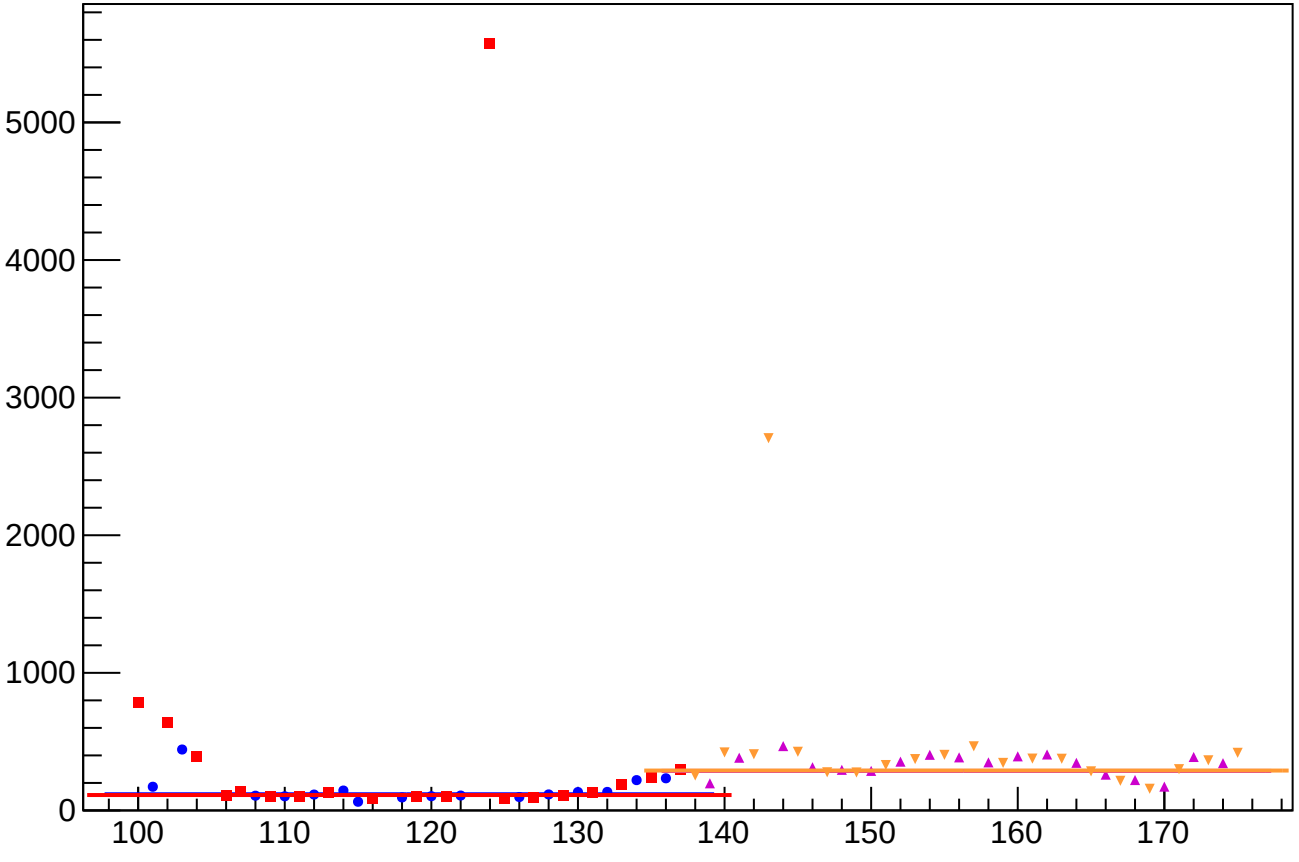
Left In: -0.046+/-0.079 χ^2/NDF:23.9/17

+ sign 0.021+/-0.041 χ^2/NDF: 38.8/35

All: 0.014+/-0.029 χ^2/NDF: 85.4/72

- sign 0.007+/-0.040 χ^2/NDF: 46.6/36

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 289.976+/-0.056 χ^2/NDF:3909442.7/19

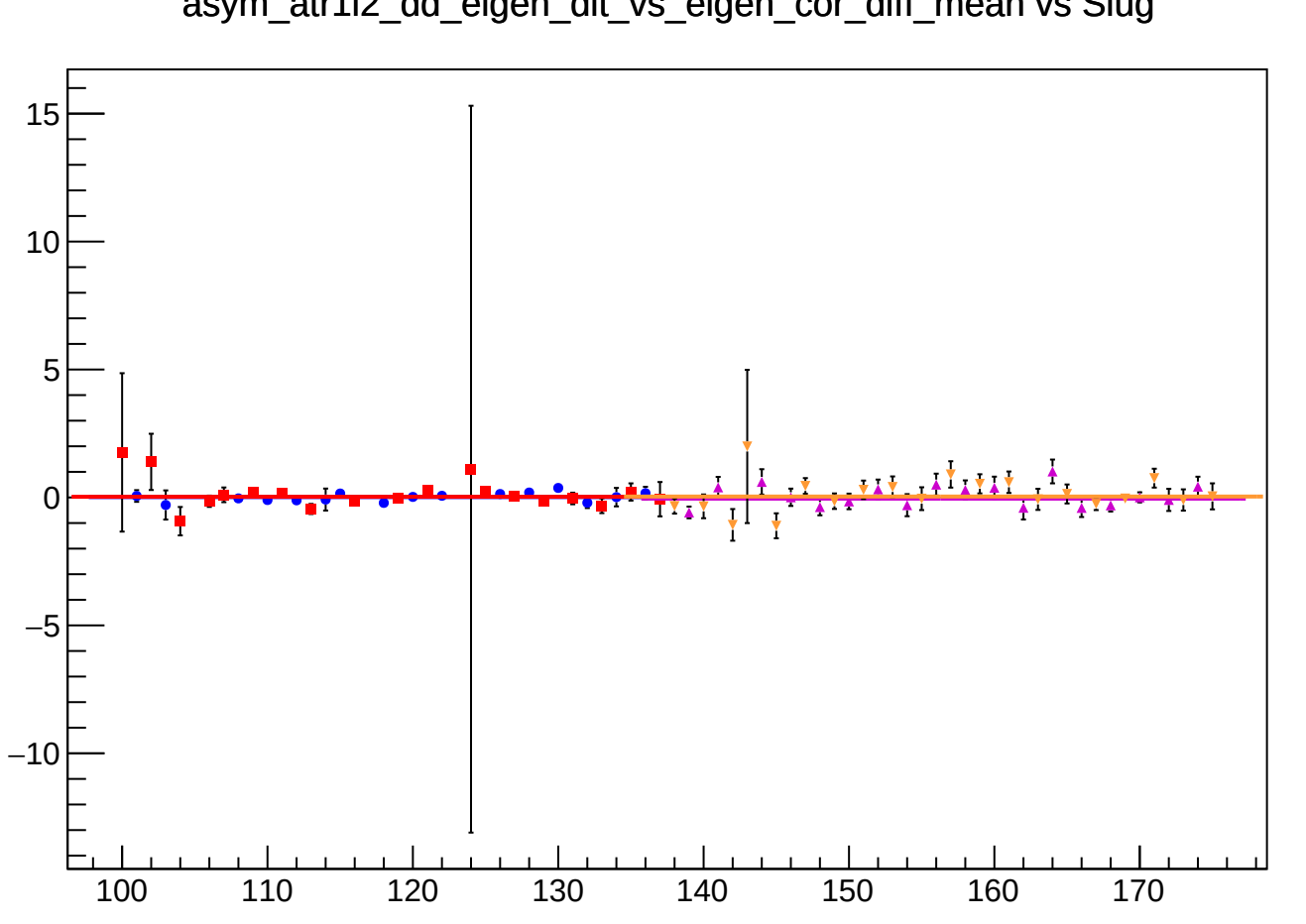
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 287.232+/-0.056 χ^2/NDF:2348151.8/17

+ sign 163.609+/-0.029 χ^2/NDF: 12537440.7/35

All: 160.647+/-0.020 χ^2/NDF: 24380826.2/72

- sign 157.791+/-0.028 χ^2/NDF: 11822902.1/36



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.079 χ^2/NDF:26.9/19

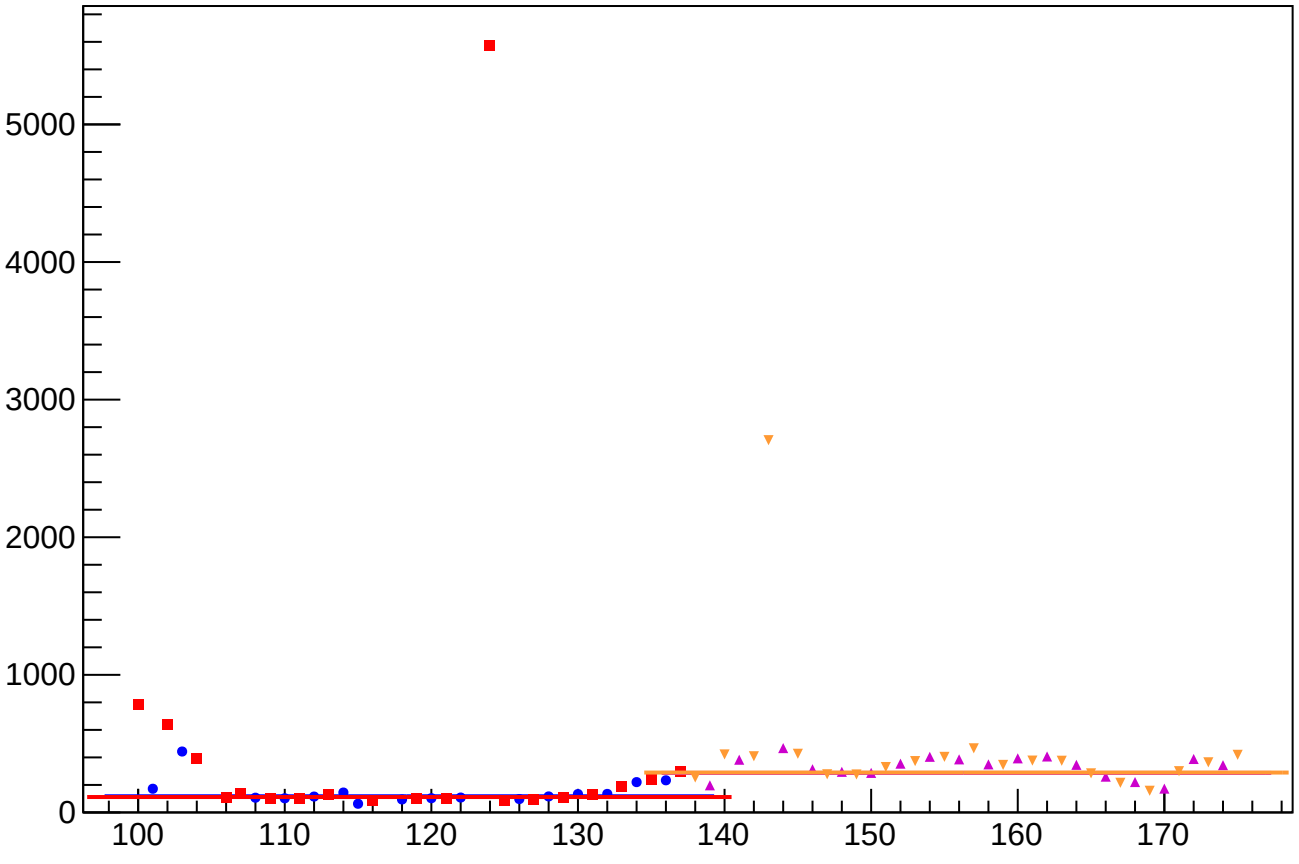
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.046+/-0.079 χ^2/NDF:23.9/17

+ sign 0.021+/-0.041 χ^2/NDF: 38.8/35

All: 0.014+/-0.029 χ^2/NDF: 85.4/72

- sign 0.007+/-0.040 χ^2/NDF: 46.6/36



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 289.976+/-0.056 χ^2/NDF:3909442.7/19

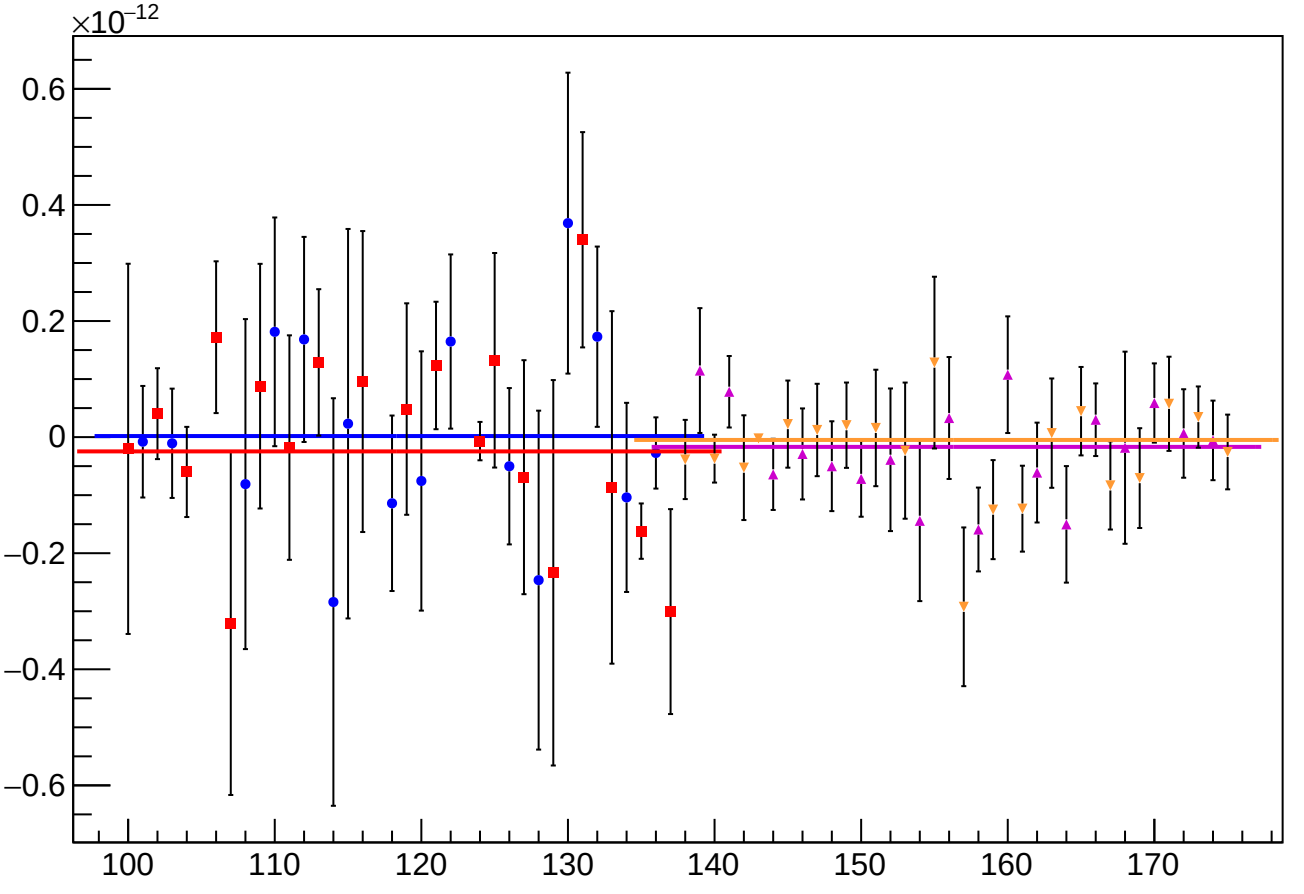
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 287.232+/-0.056 χ^2/NDF:2348151.8/17

+ sign 163.609+/-0.029 χ^2/NDF: 12537440.7/35

All: 160.647+/-0.020 χ^2/NDF: 24380826.2/72

- sign 157.791+/-0.028 χ^2/NDF: 11822902.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.8/19

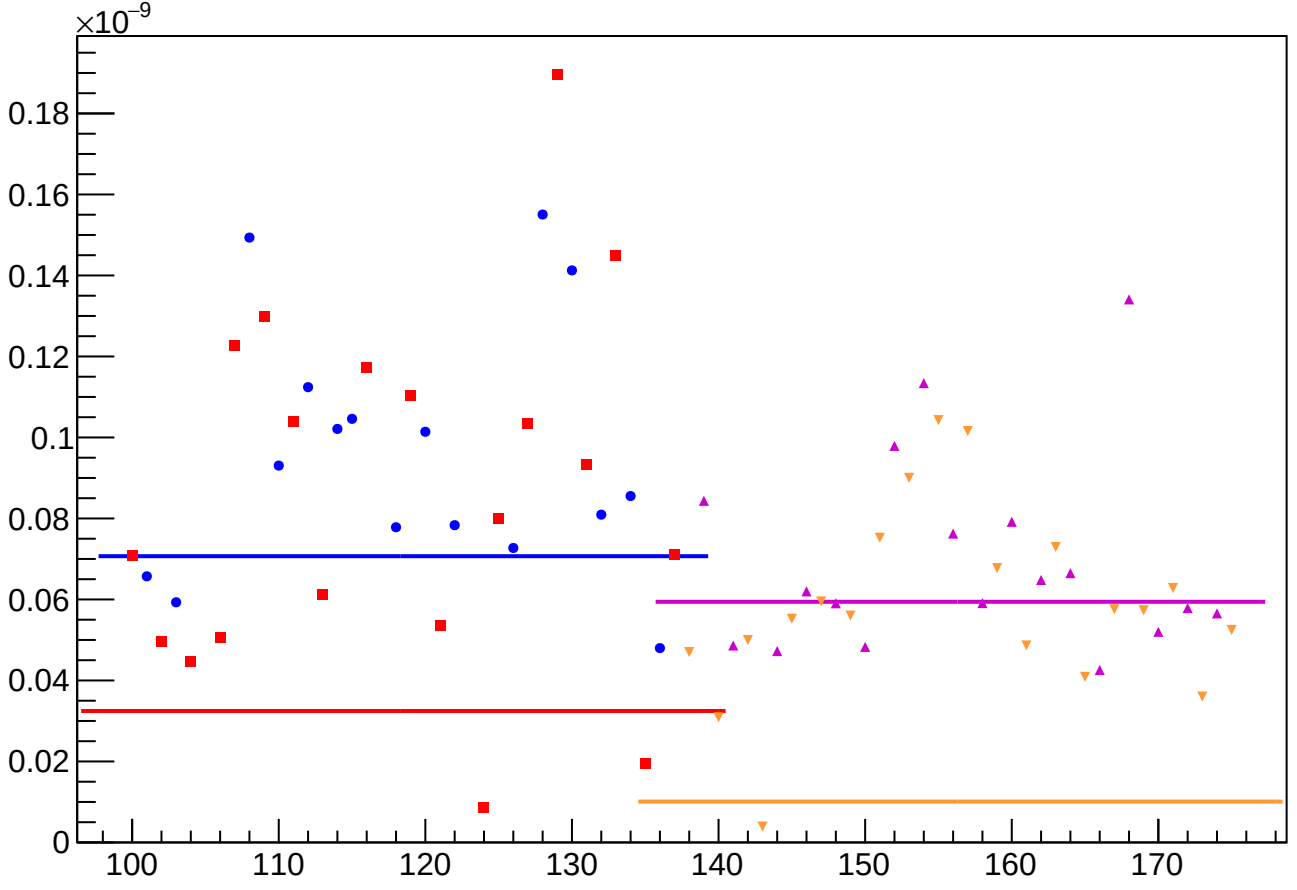
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/17

+ sign -0.000+/-0.000 χ^2/NDF: 23.9/35

All: -0.000+/-0.000 χ^2/NDF: 65.1/72

- sign -0.000+/-0.000 χ^2/NDF: 40.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15221473.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

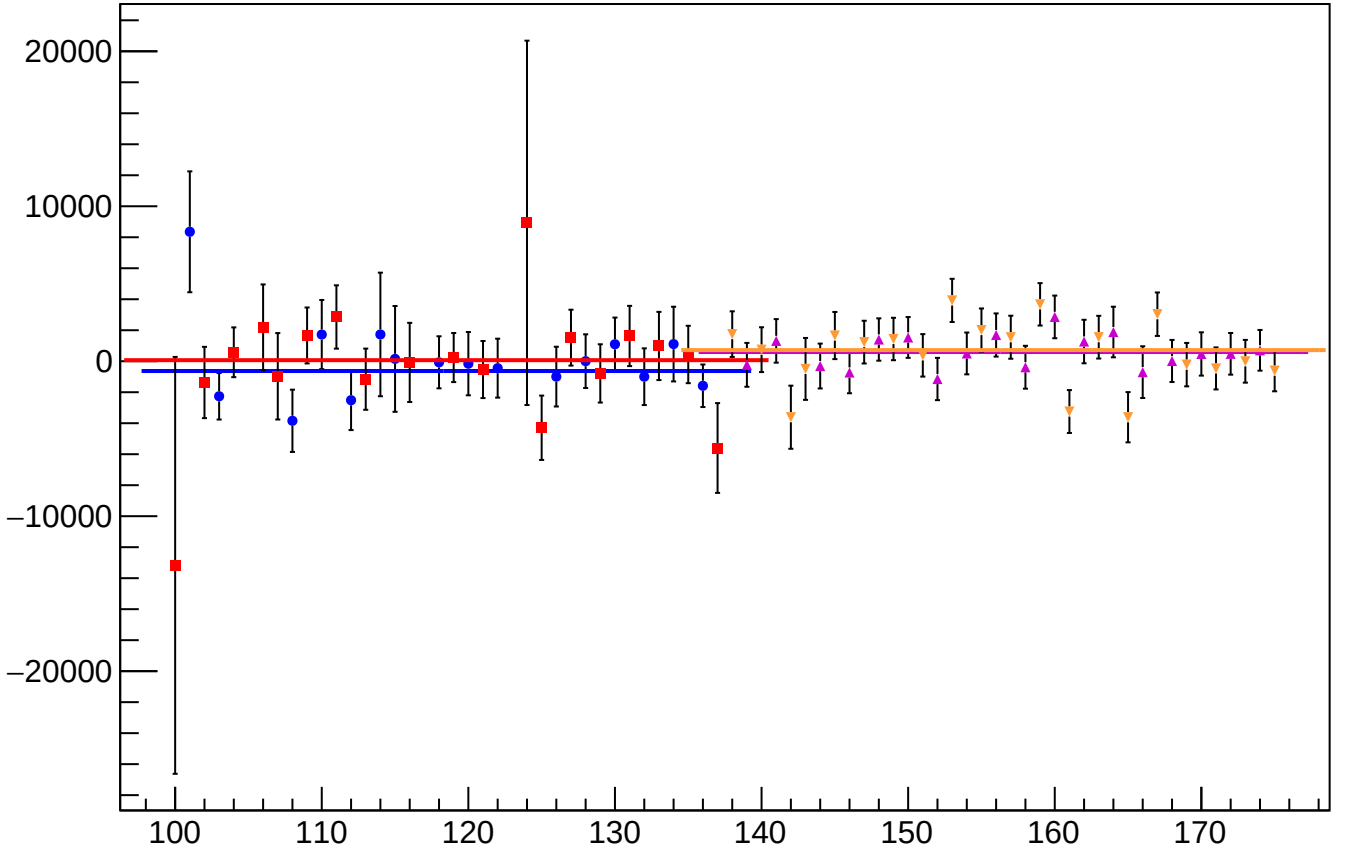
Left In: 0.000+/-0.000 χ^2/NDF:1535539.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 22242333.2/35

All: 0.000+/-0.000 χ^2/NDF: 40701808.8/72

- sign 0.000+/-0.000 χ^2/NDF: 7749655.7/36

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.812+/-322.406 χ^2/NDF:38.3/19

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

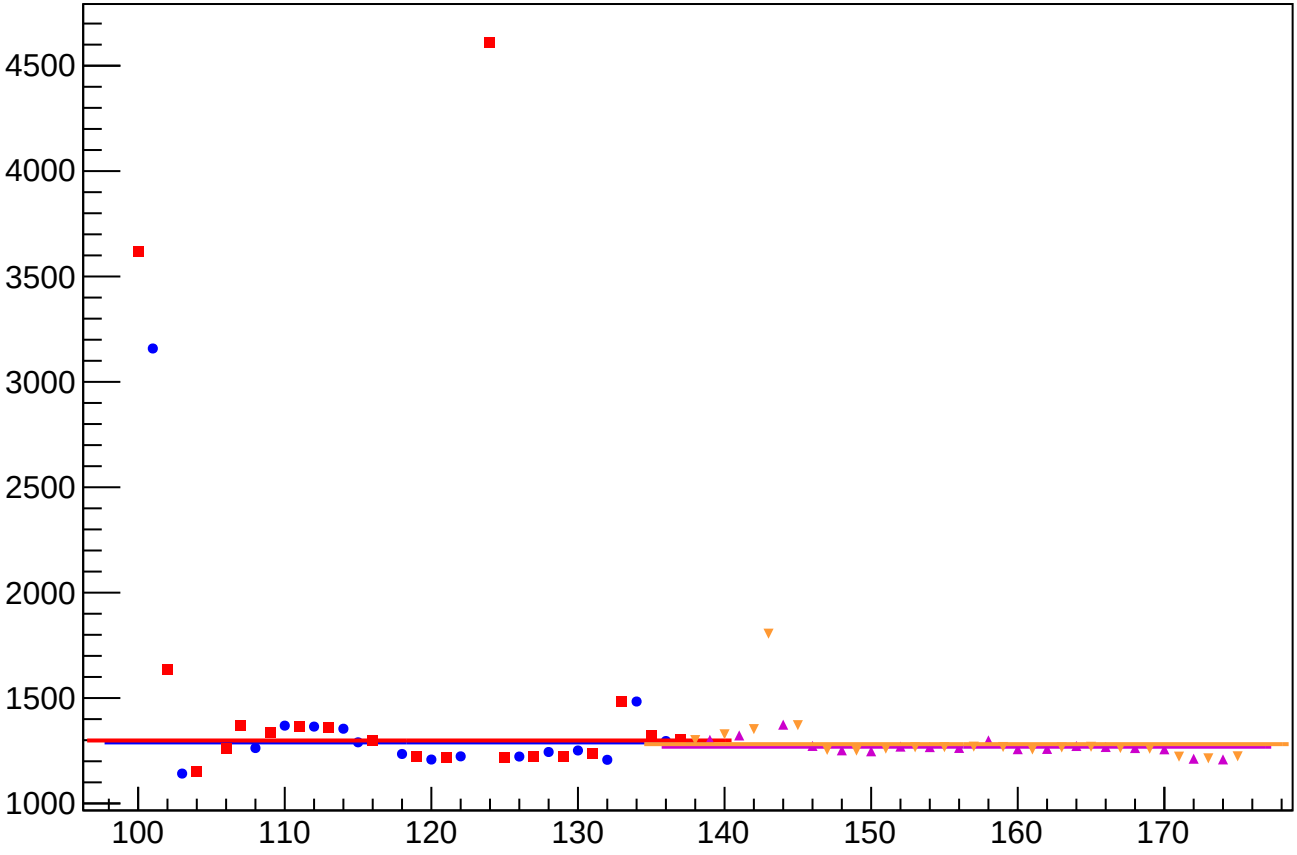
Left In: 594.396+/-329.096 χ^2/NDF:10.0/17

+ sign 308.731+/-269.111 χ^2/NDF: 57.5/35

All: 368.348+/-191.584 χ^2/NDF: 84.3/72

- sign 429.614+/-272.808 χ^2/NDF: 26.6/36

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

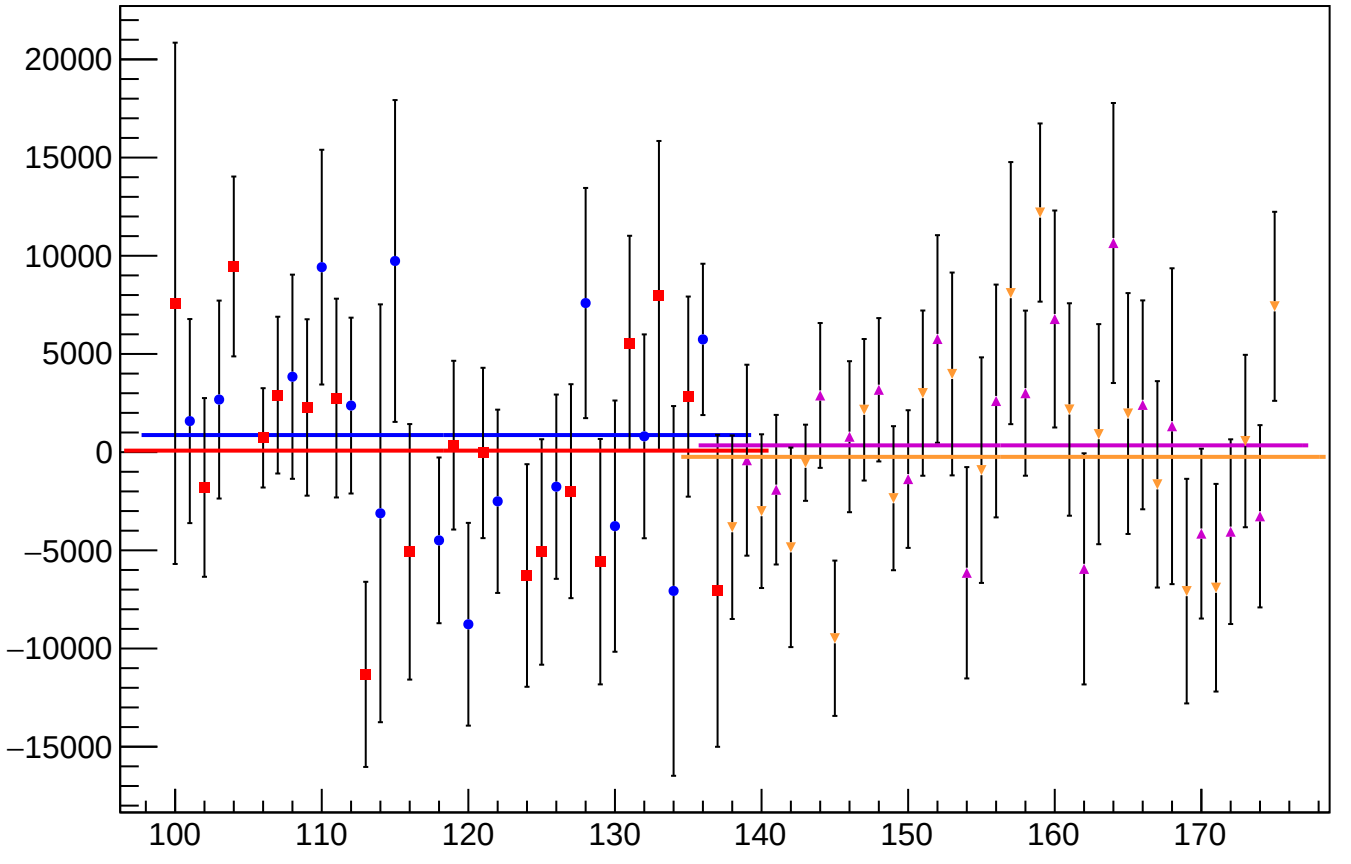
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1283.736+/-0.190 χ^2/NDF: 681837.6/35

All: 1281.076+/-0.135 χ^2/NDF: 1031199.6/72

- sign 1278.348+/-0.193 χ^2/NDF: 348966.3/36



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -240.210+/-946.405 χ^2/NDF:24.5/19

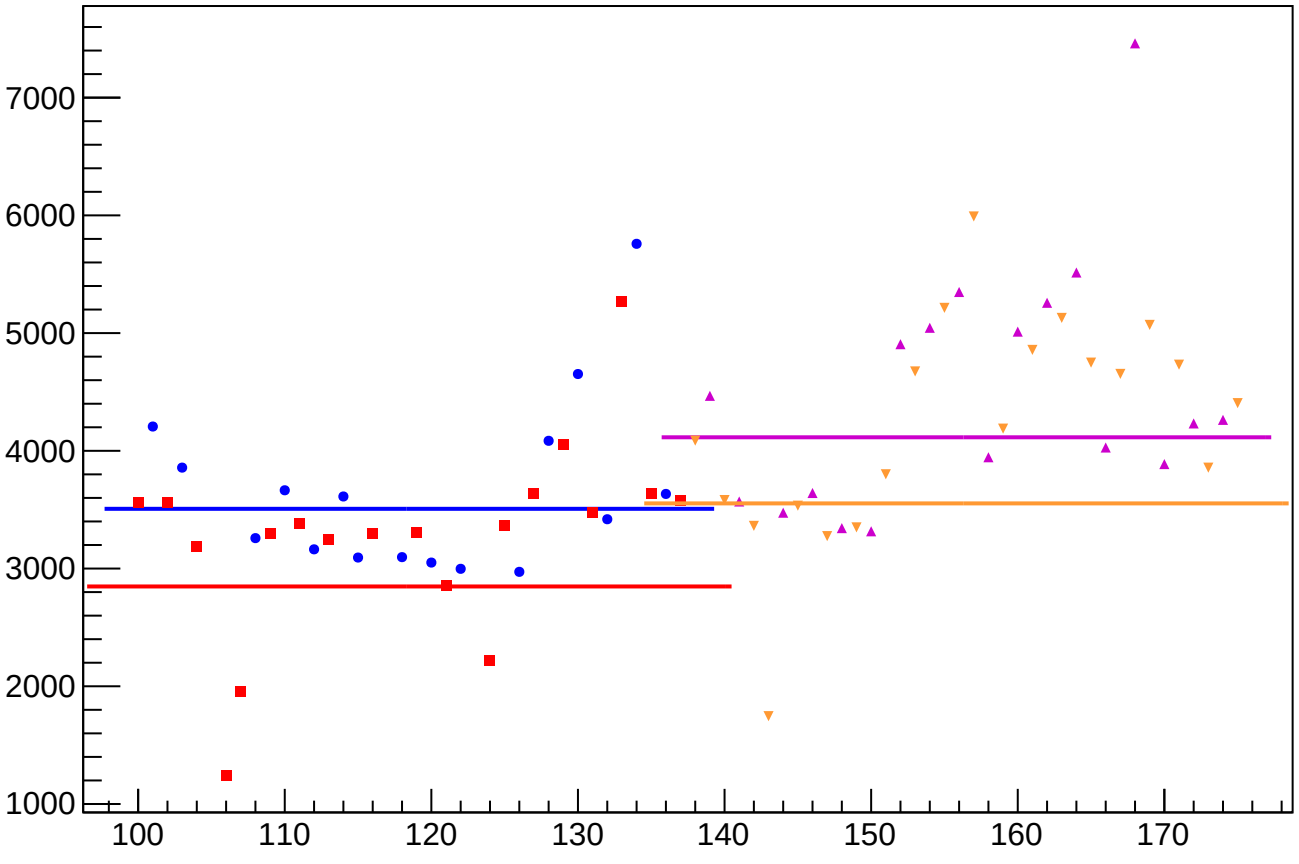
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 345.521+/-1090.150 χ^2/NDF:12.1/17

\+ sign 134.844+/-770.182 χ^2/NDF: 39.0/35

All: 174.000+/-547.395 χ^2/NDF: 69.5/72

\- sign 213.971+/-778.145 χ^2/NDF: 30.5/36



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3553.411+/-0.669 χ^2/NDF:3108258.5/19

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

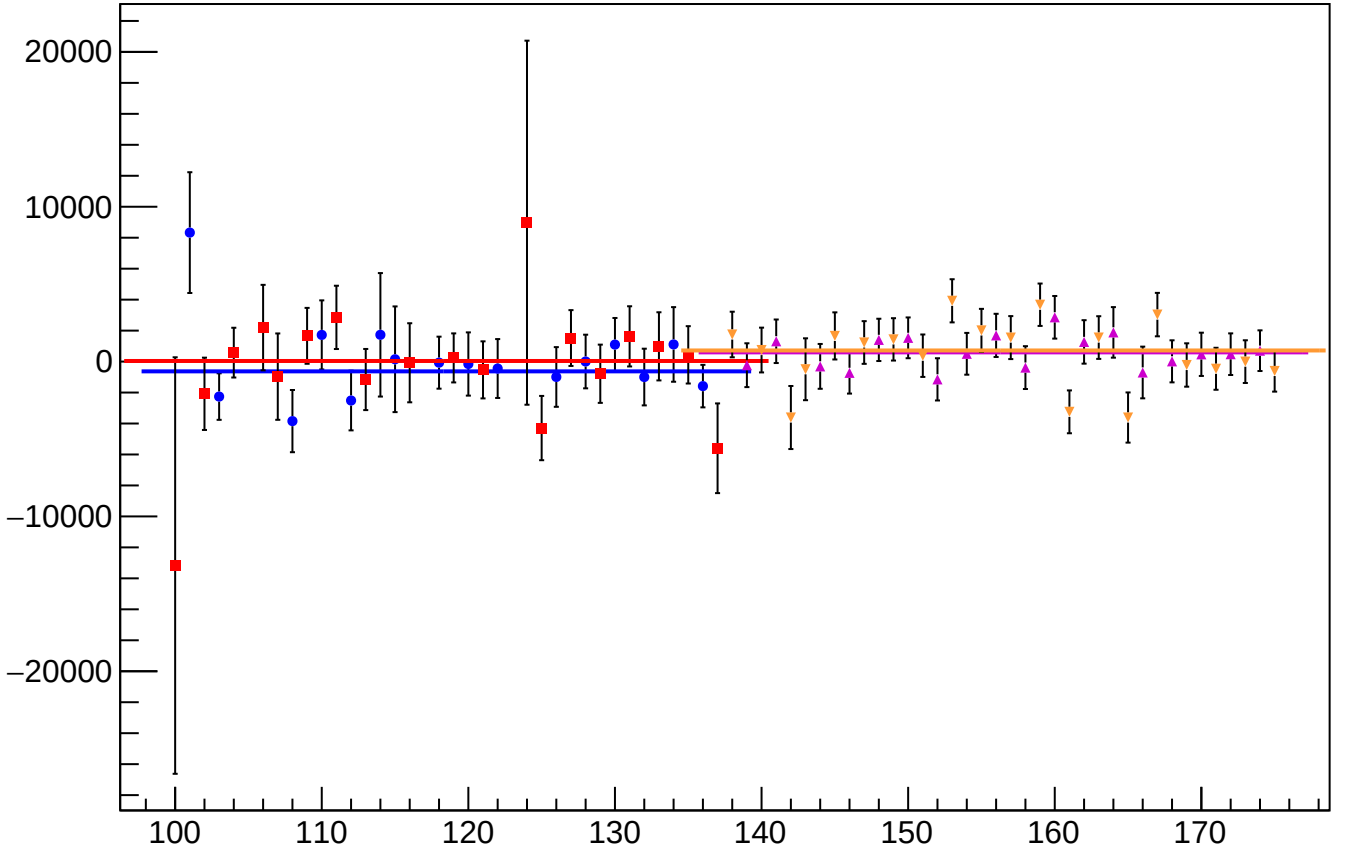
Left In: 4114.916+/-0.771 χ^2/NDF:1090708.1/17

+ sign 3537.871+/-0.545 χ^2/NDF: 3463834.3/35

All: 3515.873+/-0.387 χ^2/NDF: 7382478.3/72

- sign 3493.418+/-0.550 χ^2/NDF: 3915347.0/36

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

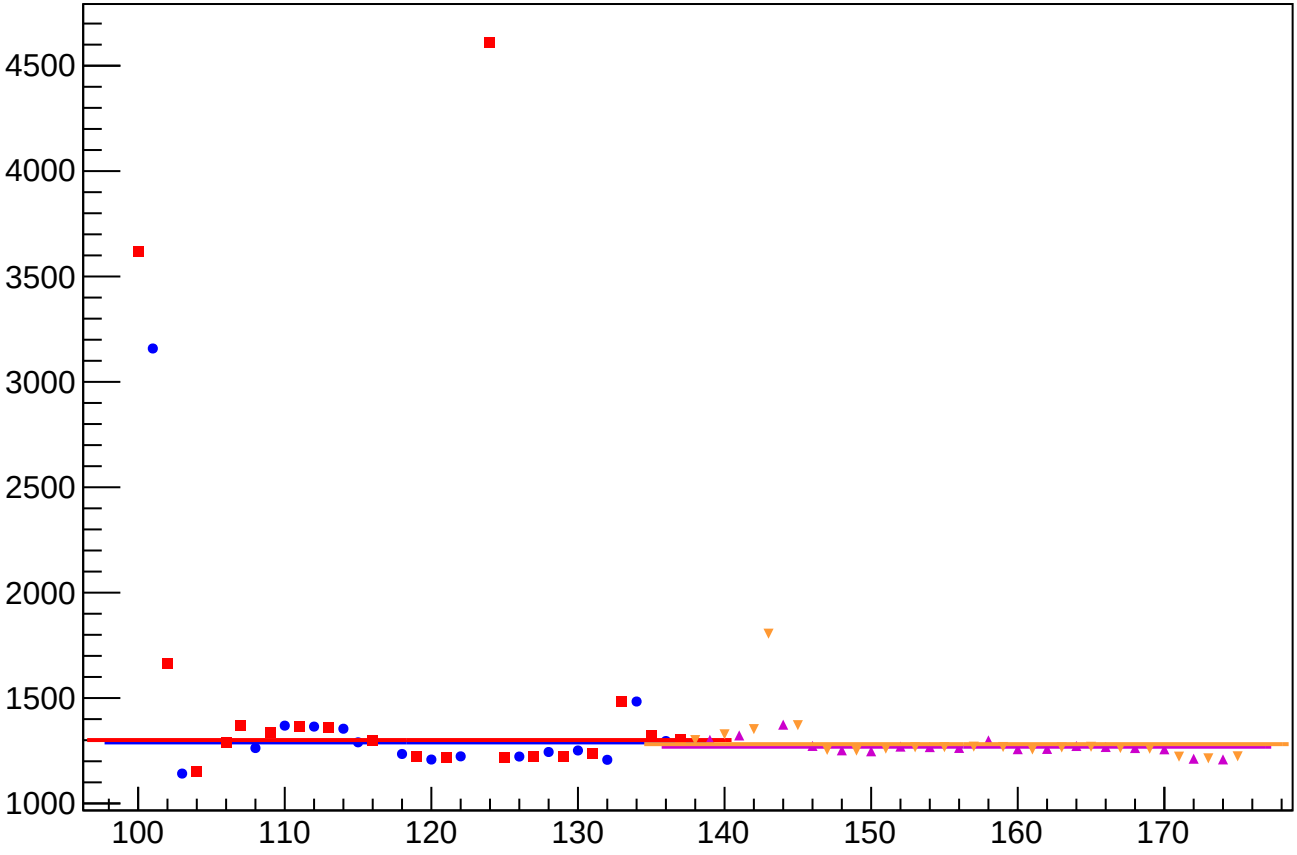
Left In: 594.340+/-329.096 χ^2/NDF:10.0/17

\+ sign 308.627+/-269.111 χ^2/NDF: 57.5/35

All: 363.866+/-191.604 χ^2/NDF: 84.8/72

\- sign 420.657+/-272.864 χ^2/NDF: 27.2/36

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

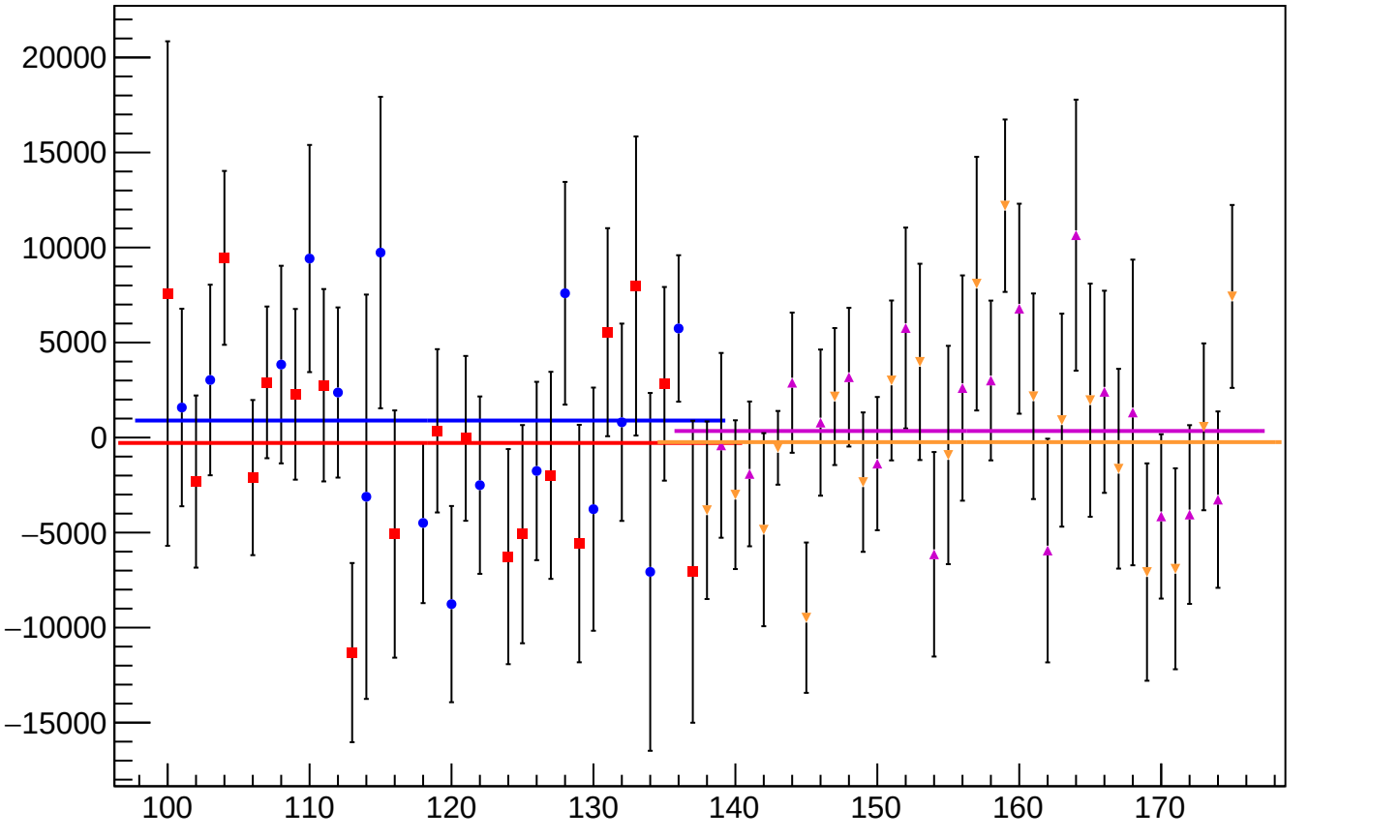
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1283.736+/-0.190 χ^2/NDF: 681839.1/35

All: 1281.382+/-0.135 χ^2/NDF: 1038356.9/72

- sign 1278.965+/-0.193 χ^2/NDF: 356207.8/36



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -240.144+/-946.403 χ^2/NDF:24.5/19

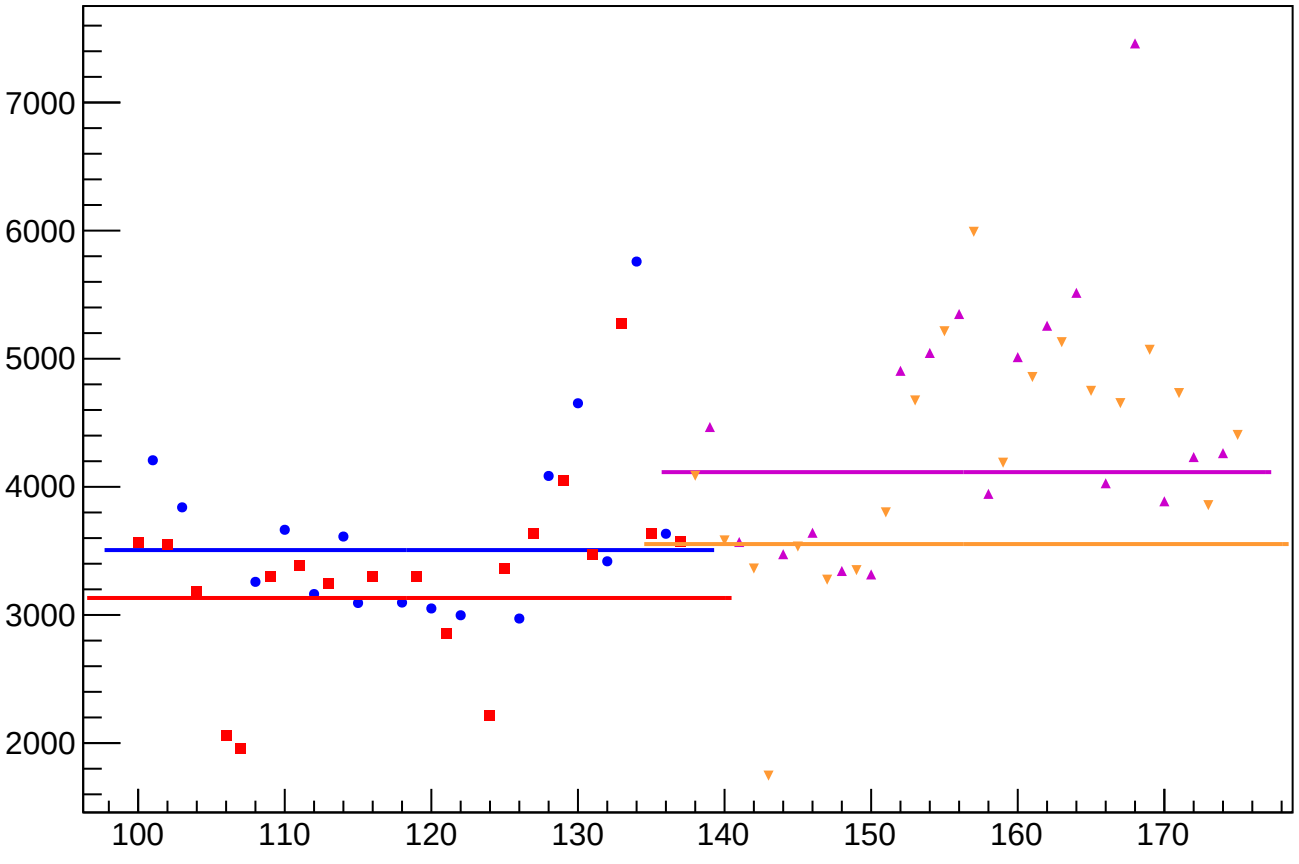
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 345.521+/-1090.149 χ^2/NDF:12.1/17

+ sign 143.749+/-770.092 χ^2/NDF: 39.1/35

All: 101.877+/-555.383 χ^2/NDF: 70.0/72

- sign 56.494+/-801.723 χ^2/NDF: 30.8/36



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

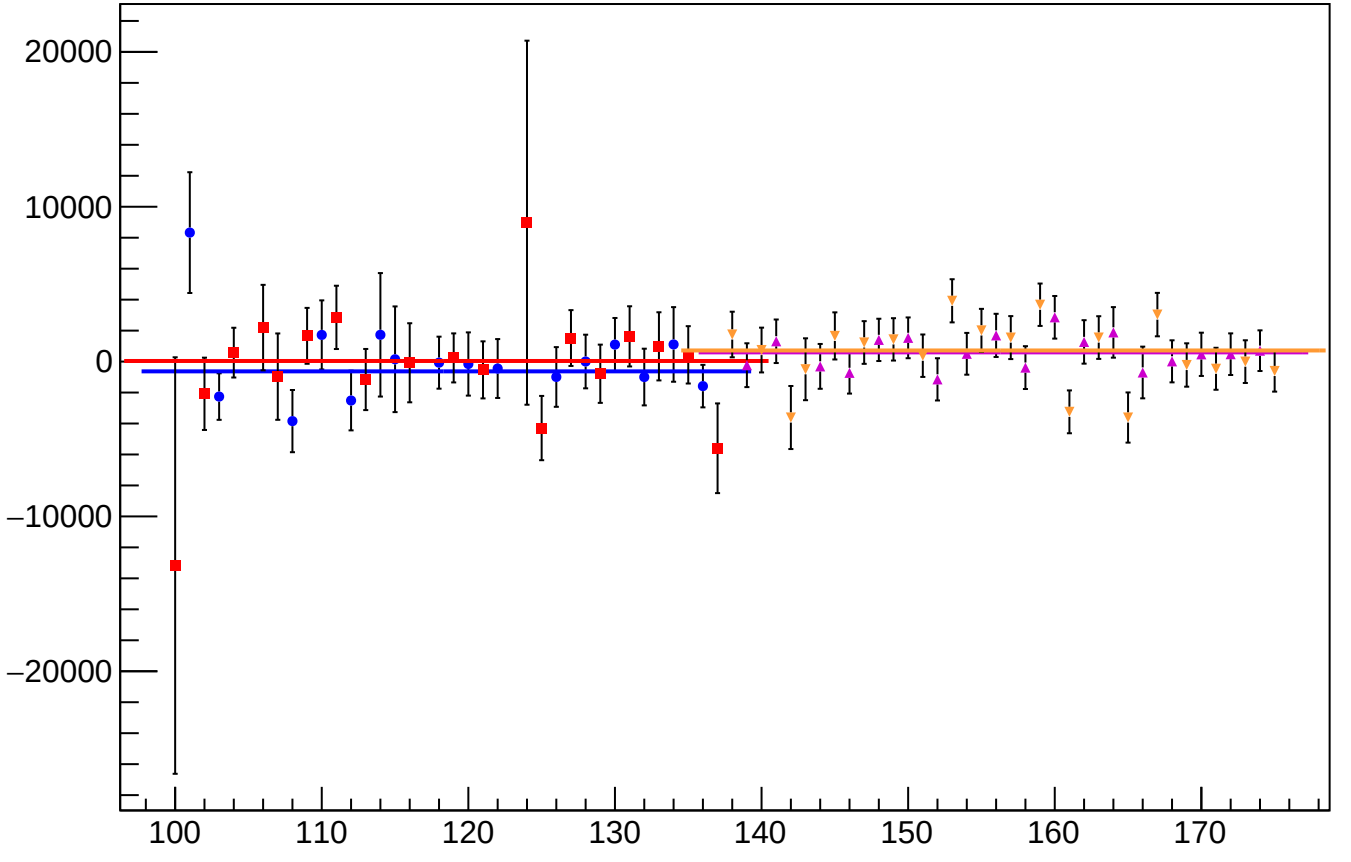
Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

+ sign 3537.549+/-0.545 χ^2/NDF: 3463190.0/35

All: 3598.173+/-0.393 χ^2/NDF: 5974967.6/72

- sign 3663.878+/-0.567 χ^2/NDF: 2485950.0/36

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

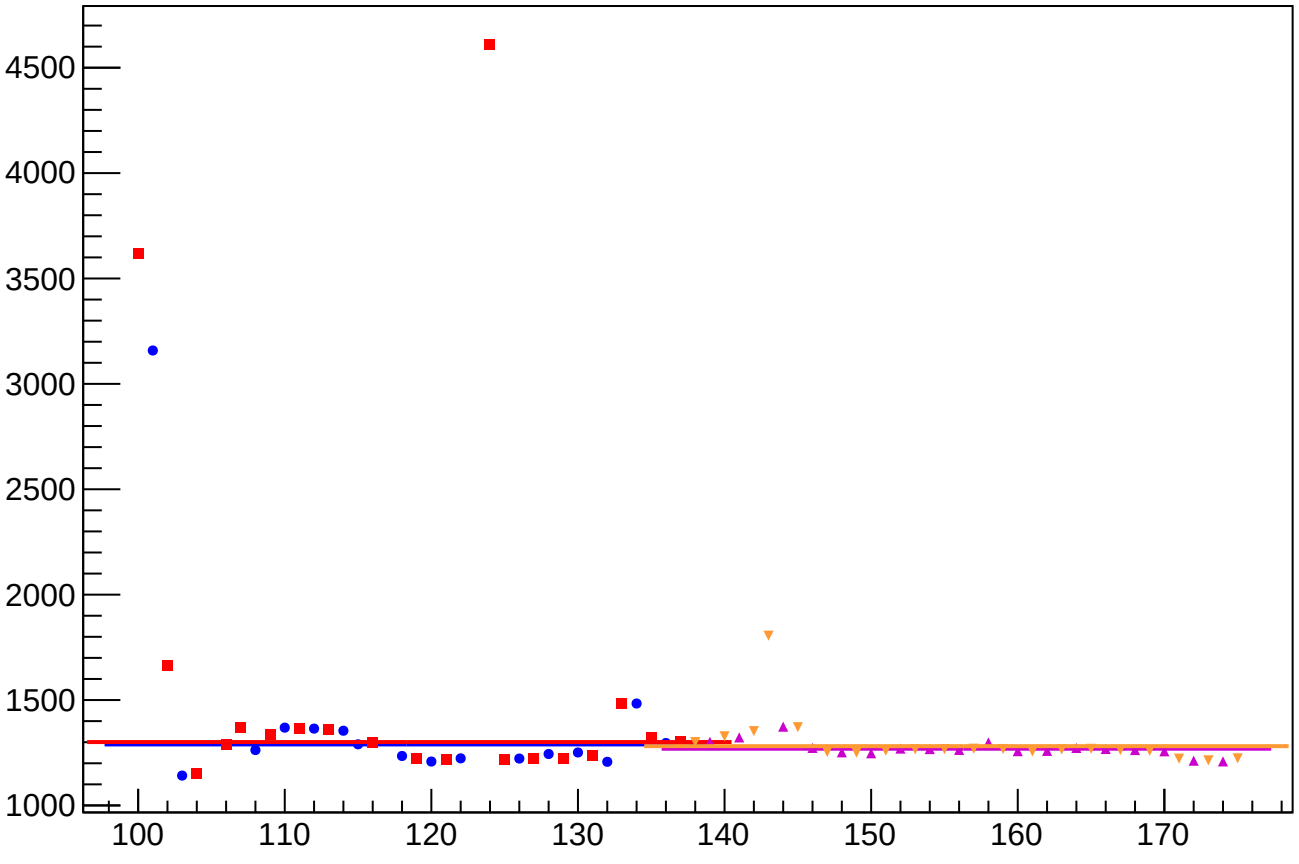
Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 594.340+/-329.096 χ^2/NDF:10.0/17

+ sign 308.627+/-269.111 χ^2/NDF: 57.5/35

All: 363.866+/-191.604 χ^2/NDF: 84.8/72

- sign 420.657+/-272.864 χ^2/NDF: 27.2/36



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

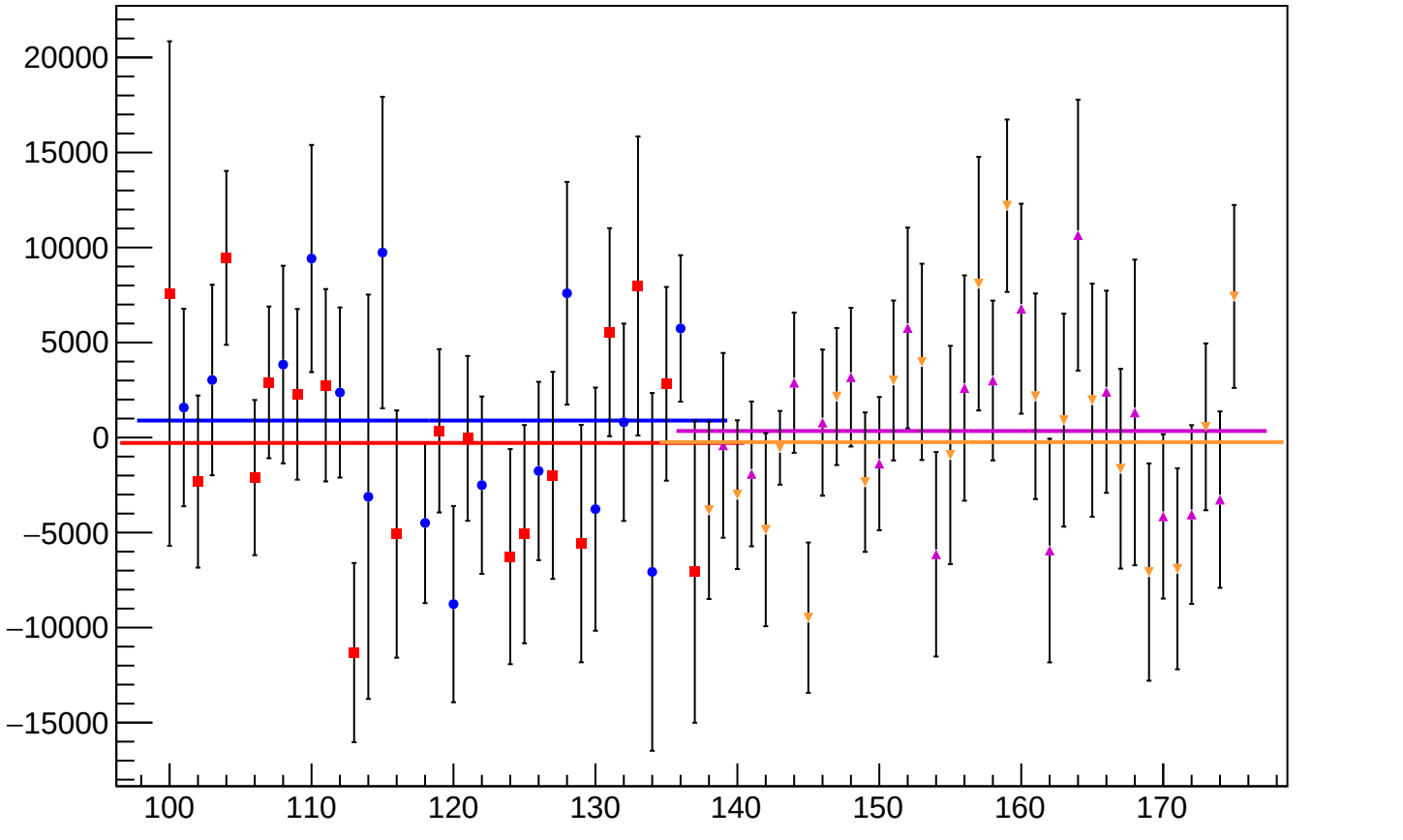
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1283.736+/-0.190 χ^2/NDF: 681839.1/35

All: 1281.382+/-0.135 χ^2/NDF: 1038356.9/72

- sign 1278.965+/-0.193 χ^2/NDF: 356207.8/36



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -240.144+/-946.403 χ^2/NDF:24.5/19

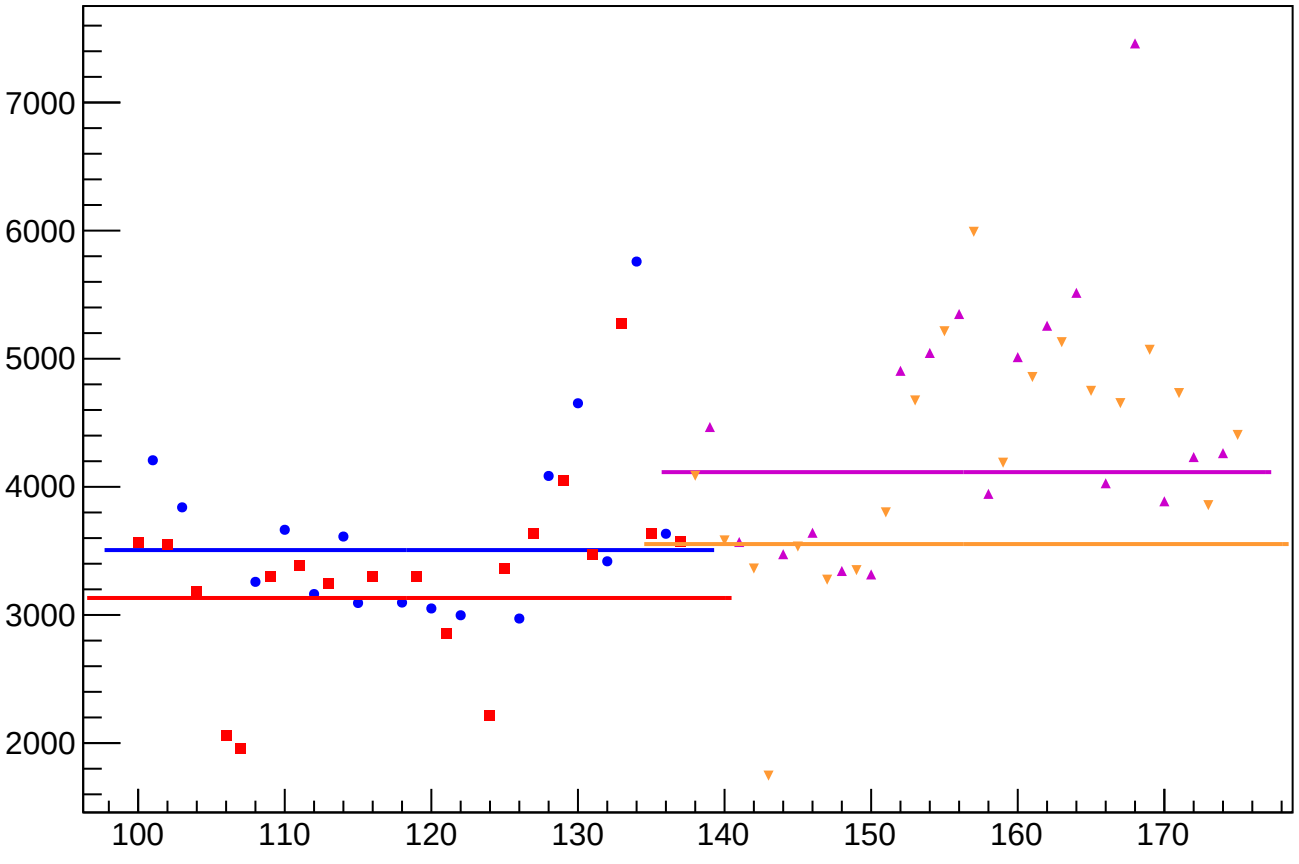
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 345.521+/-1090.149 χ^2/NDF:12.1/17

+ sign 143.749+/-770.092 χ^2/NDF: 39.1/35

All: 101.877+/-555.383 χ^2/NDF: 70.0/72

- sign 56.494+/-801.723 χ^2/NDF: 30.8/36



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

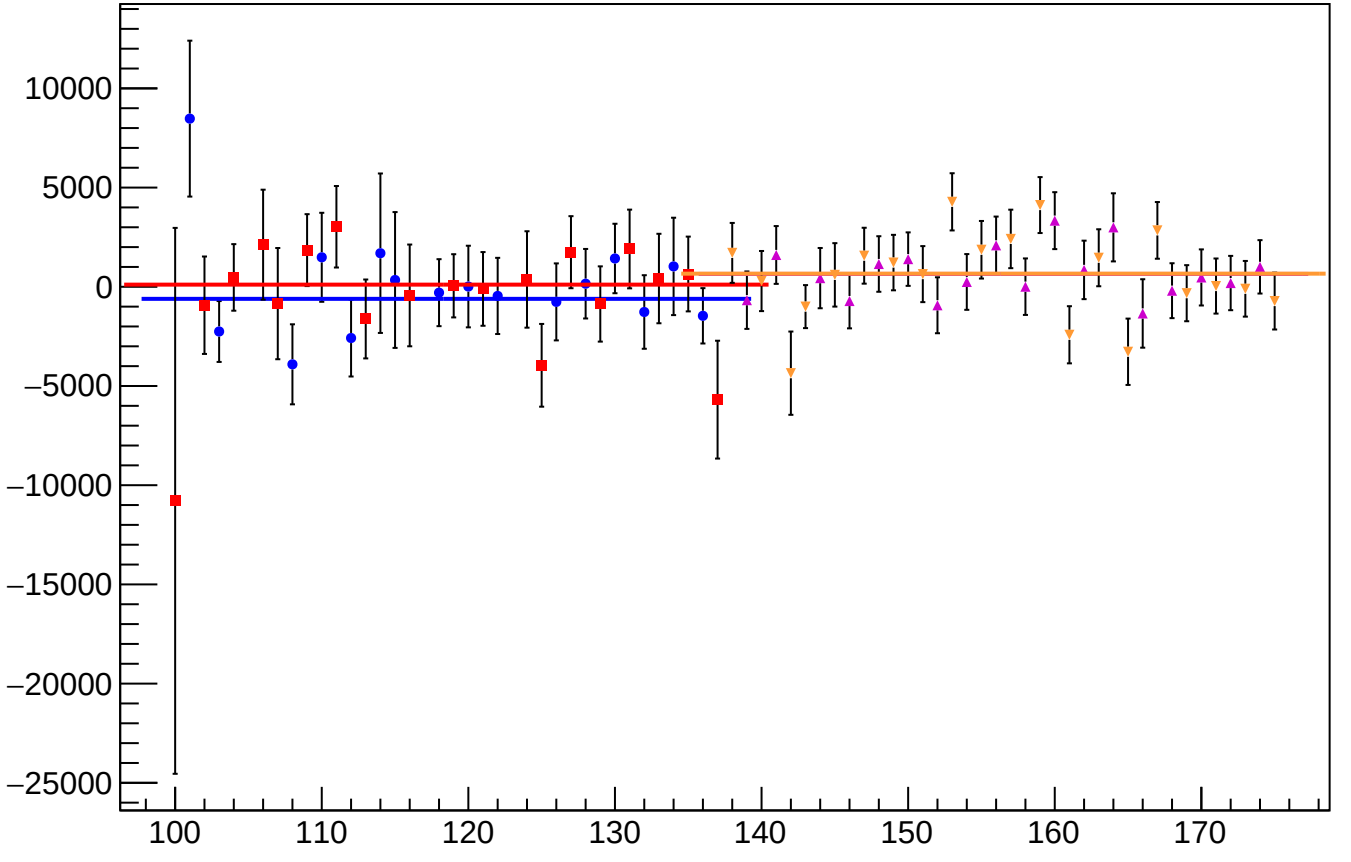
Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

+ sign 3537.549+/-0.545 χ^2/NDF: 3463190.0/35

All: 3598.173+/-0.393 χ^2/NDF: 5974967.6/72

- sign 3663.878+/-0.567 χ^2/NDF: 2485950.0/36

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.416+/-322.595 χ^2/NDF:38.3/19

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

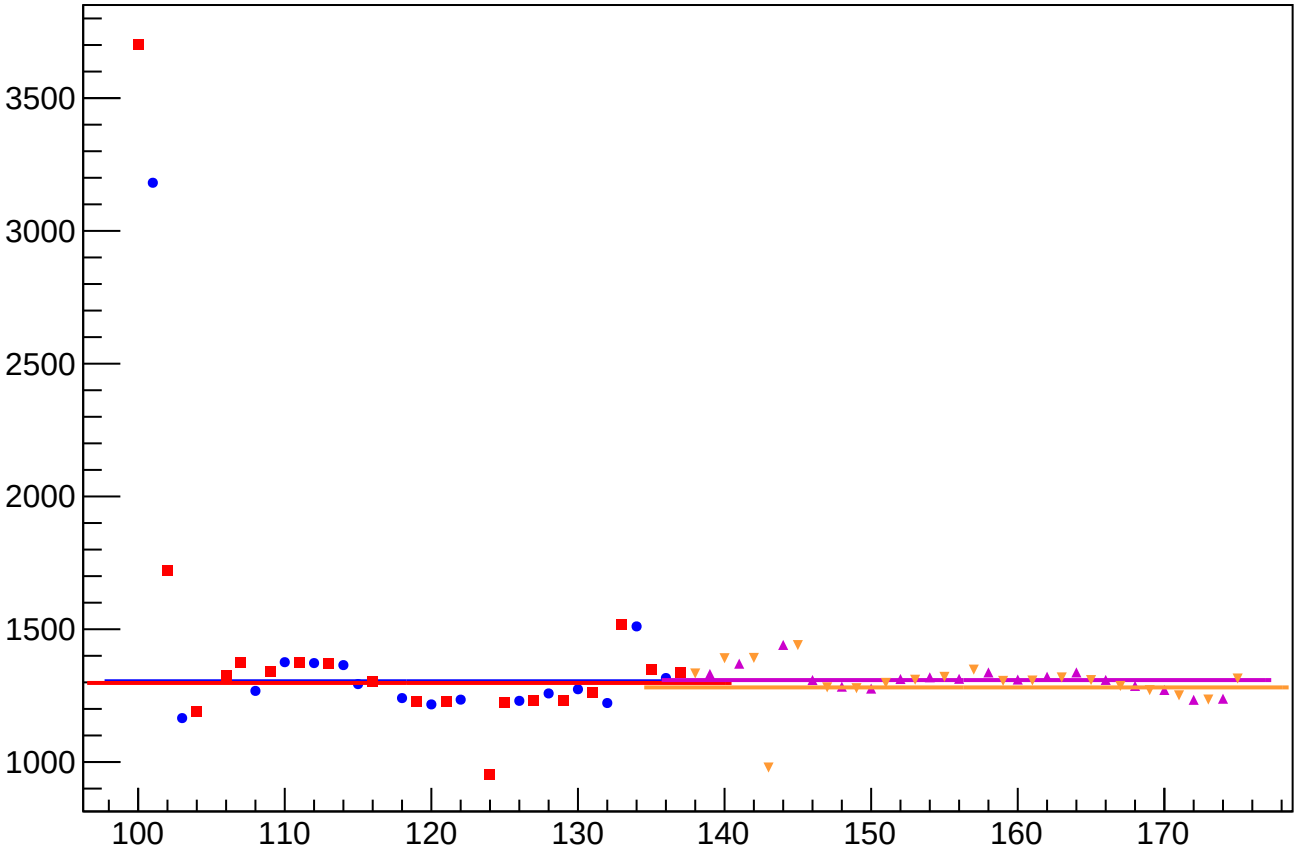
Left In: 647.406+/-339.439 χ^2/NDF:12.5/17

+ sign 282.163+/-270.134 χ^2/NDF: 57.0/35

All: 373.577+/-193.802 χ^2/NDF: 85.5/72

- sign 470.533+/-278.200 χ^2/NDF: 28.2/36

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207501.3/19

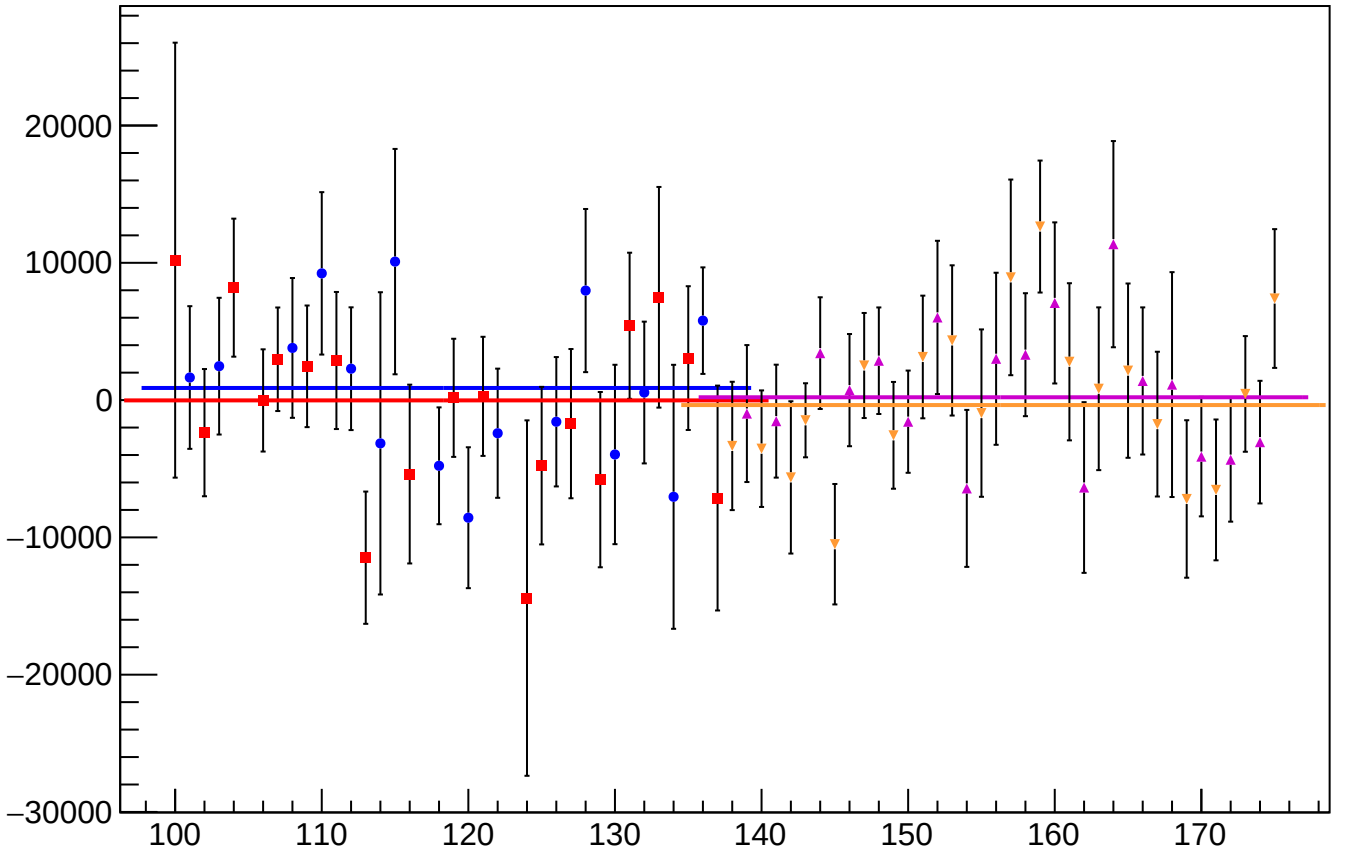
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1308.584+/-0.240 χ^2/NDF:35969.6/17

+ sign 1287.885+/-0.191 χ^2/NDF: 721162.3/35

All: 1296.212+/-0.137 χ^2/NDF: 974807.4/72

- sign 1305.039+/-0.197 χ^2/NDF: 249730.3/36



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -361.243+/-1045.588 χ^2/NDF:24.5/19

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

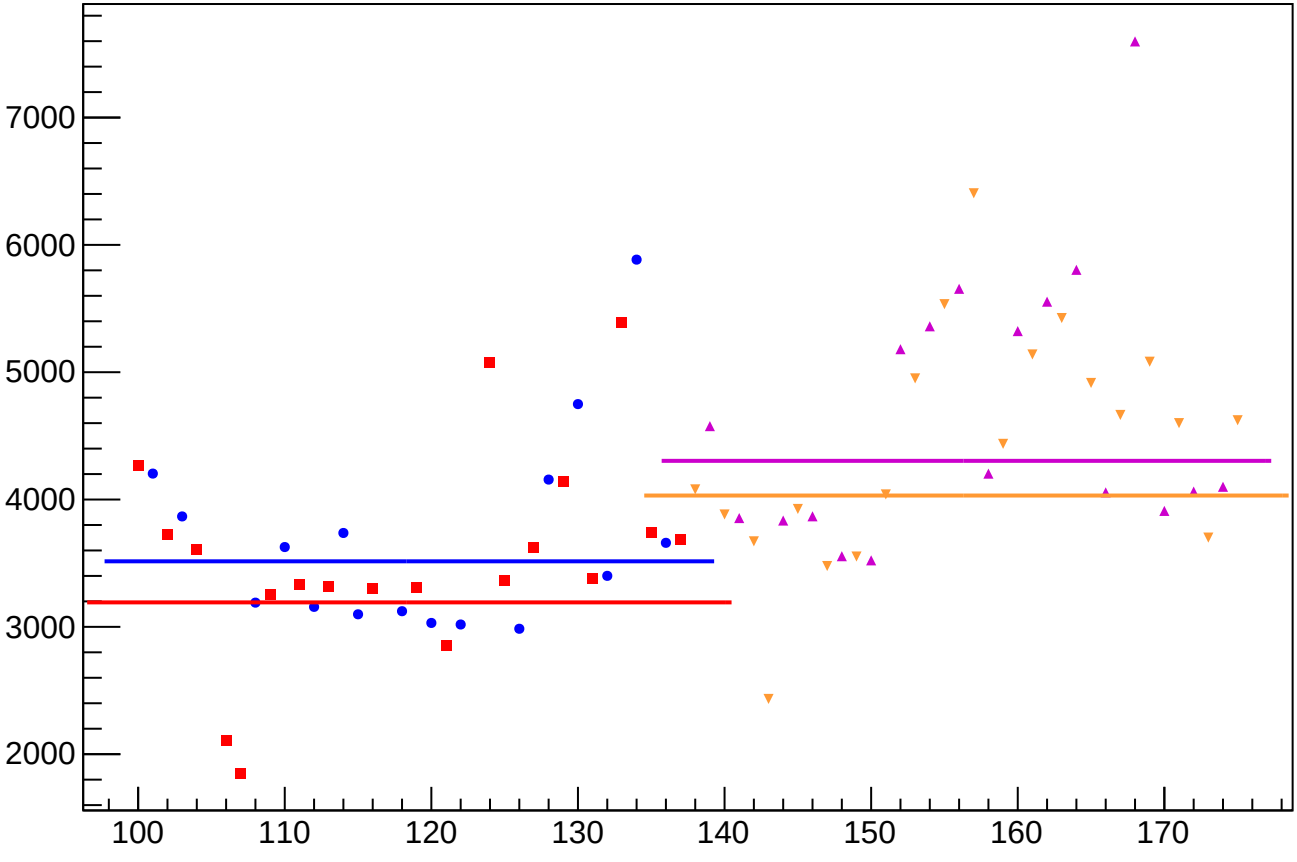
Left In: 206.543+/-1139.188 χ^2/NDF:12.0/17

\+ sign 115.575+/-821.373 χ^2/NDF: 39.2/35

All: 107.254+/-582.496 χ^2/NDF: 68.0/72

\- sign 98.836+/-826.194 χ^2/NDF: 28.8/36

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4031.441+/-0.739 χ^2/NDF:1584886.0/19

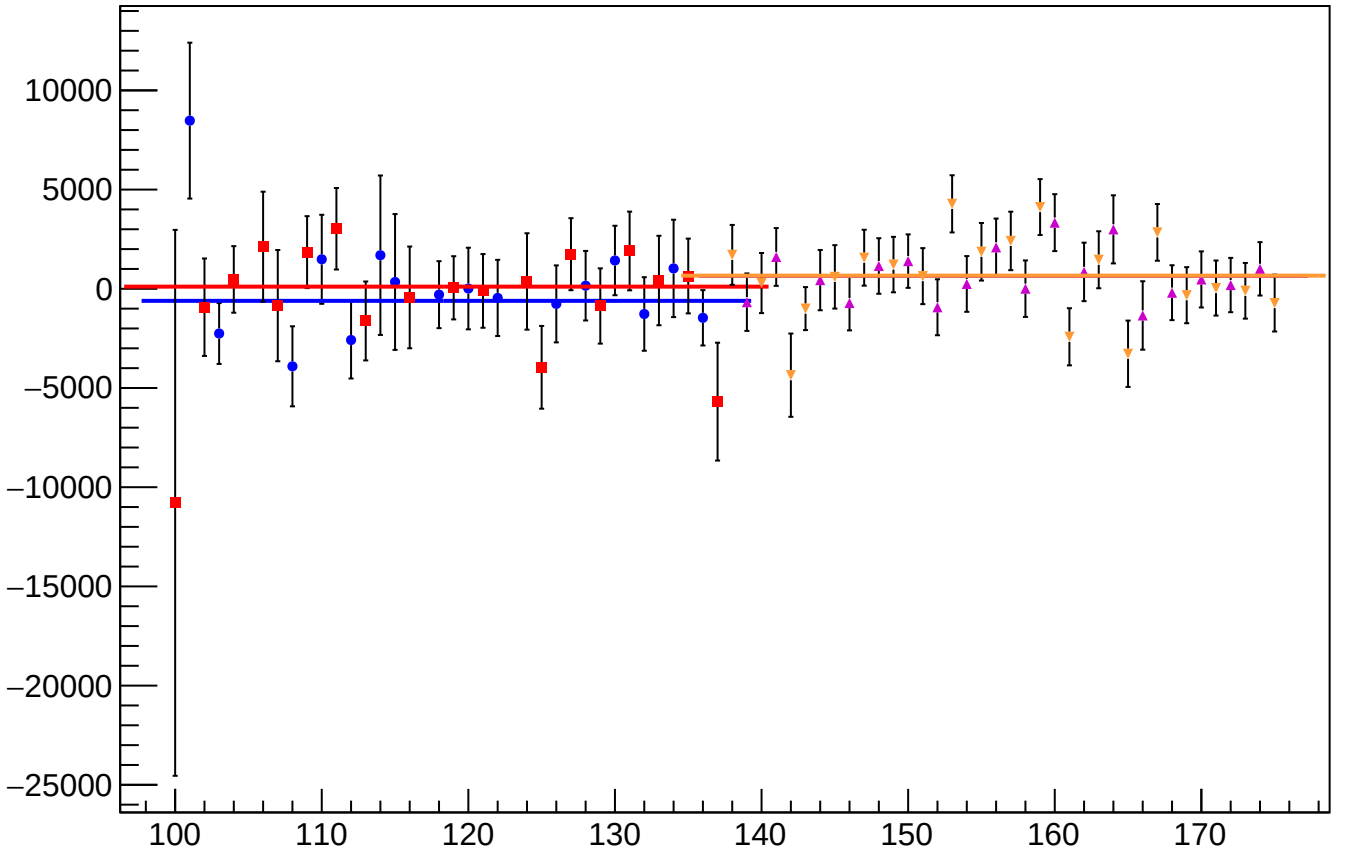
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4303.858+/-0.806 χ^2/NDF:1028472.8/17

+ sign 3833.602+/-0.581 χ^2/NDF: 2146971.3/35

All: 3805.426+/-0.412 χ^2/NDF: 4855430.0/72

- sign 3776.918+/-0.584 χ^2/NDF: 2703723.9/36



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.419+/-322.596 χ^2/NDF:38.3/19

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

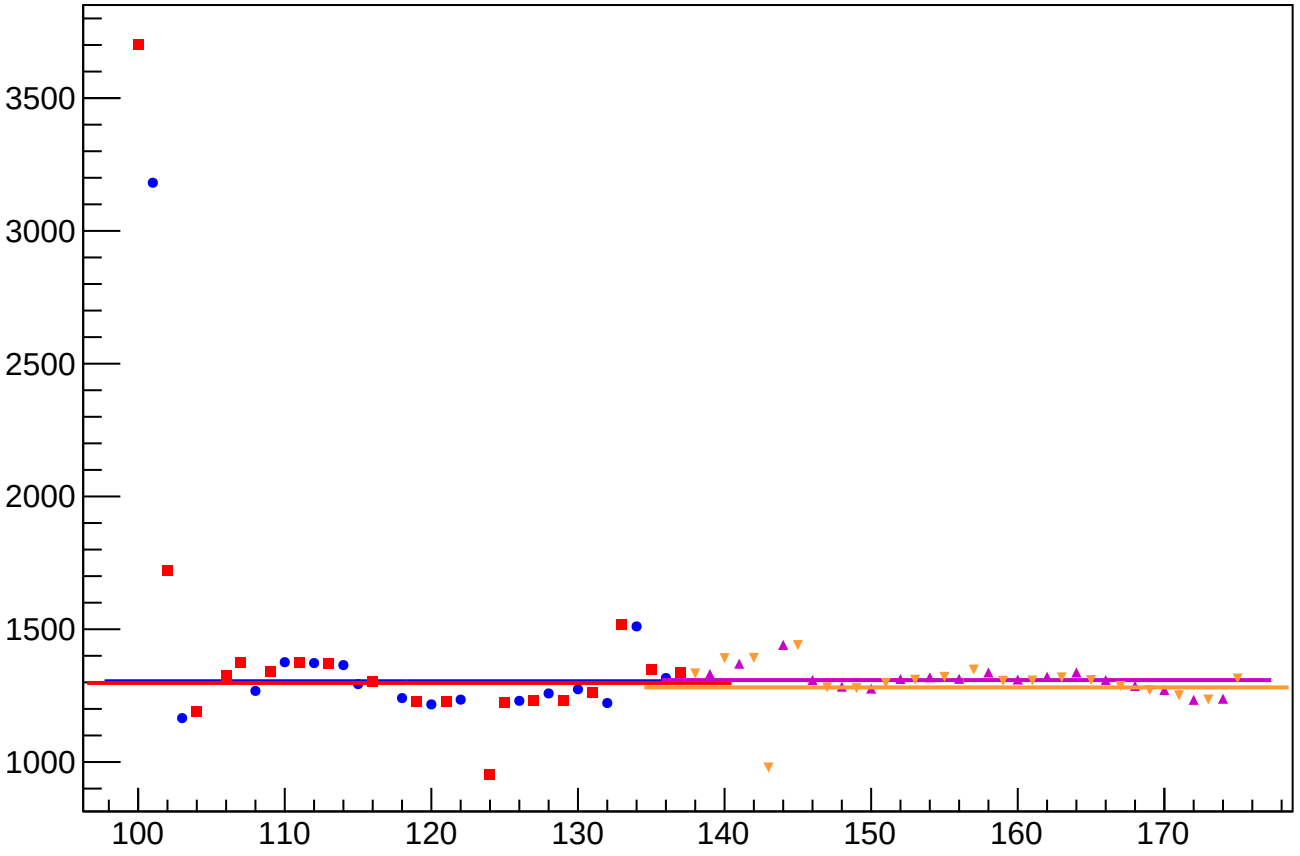
Left In: 647.407+/-339.439 χ^2/NDF:12.5/17

+ sign 282.163+/-270.134 χ^2/NDF: 57.0/35

All: 373.579+/-193.802 χ^2/NDF: 85.5/72

- sign 470.535+/-278.200 χ^2/NDF: 28.2/36

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207502.5/19

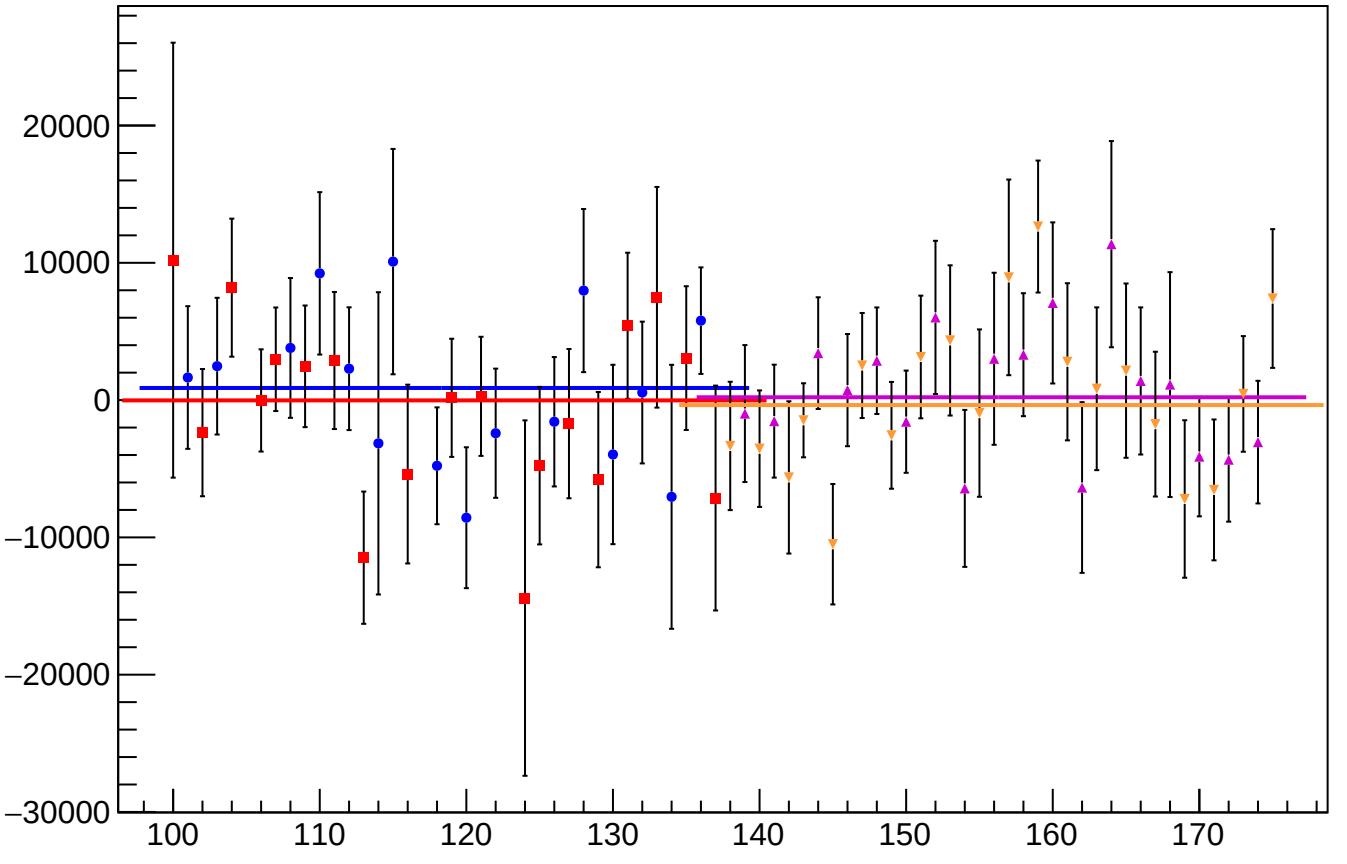
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1308.585+/-0.240 χ^2/NDF:35970.7/17

+ sign 1287.886+/-0.191 χ^2/NDF: 721163.4/35

All: 1296.212+/-0.137 χ^2/NDF: 974809.8/72

- sign 1305.040+/-0.197 χ^2/NDF: 249731.6/36



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -361.241+/-1045.589 χ^2/NDF:24.5/19

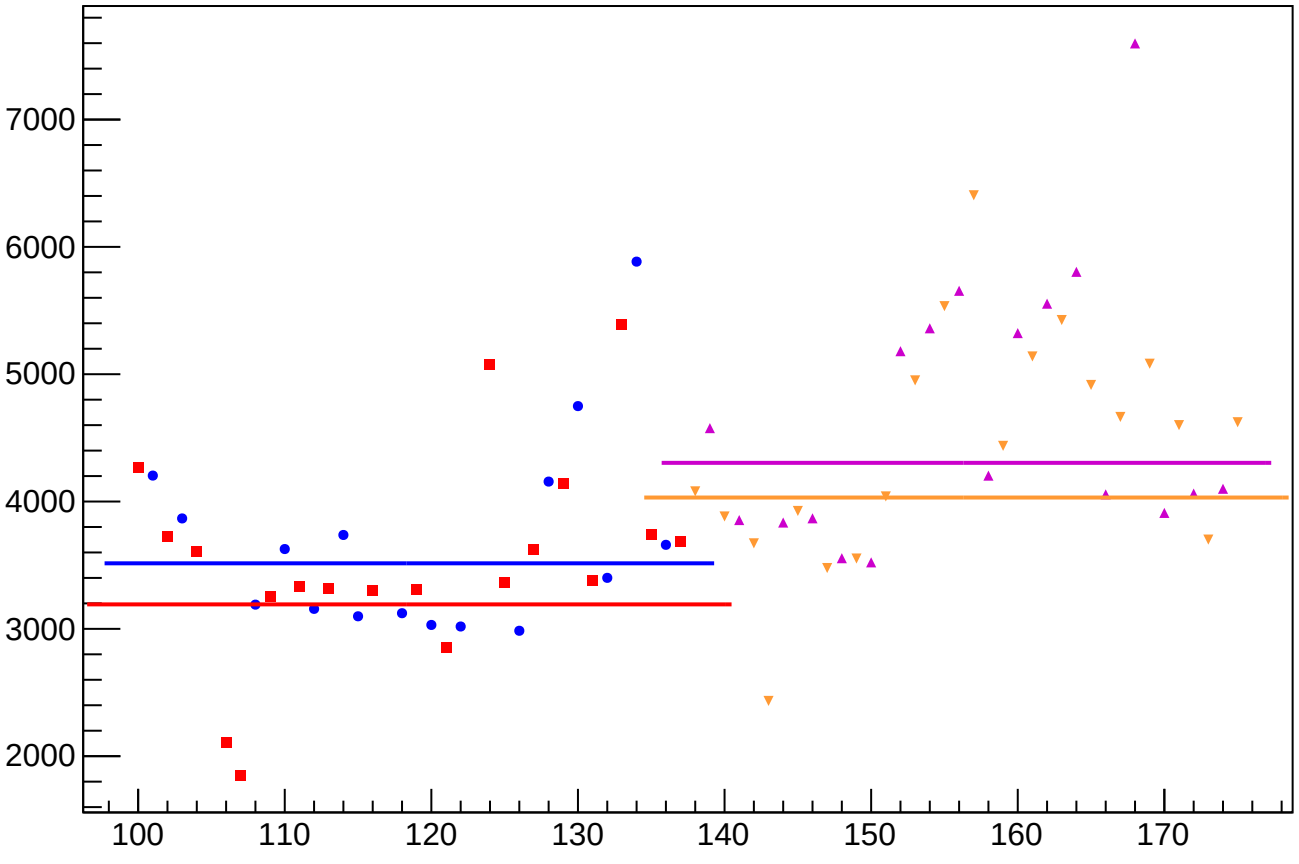
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 206.542+/-1139.189 χ^2/NDF:12.0/17

+ sign 115.574+/-821.373 χ^2/NDF: 39.2/35

All: 107.255+/-582.496 χ^2/NDF: 68.0/72

- sign 98.837+/-826.194 χ^2/NDF: 28.8/36



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4031.448+/-0.739 χ^2/NDF:1584887.1/19

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

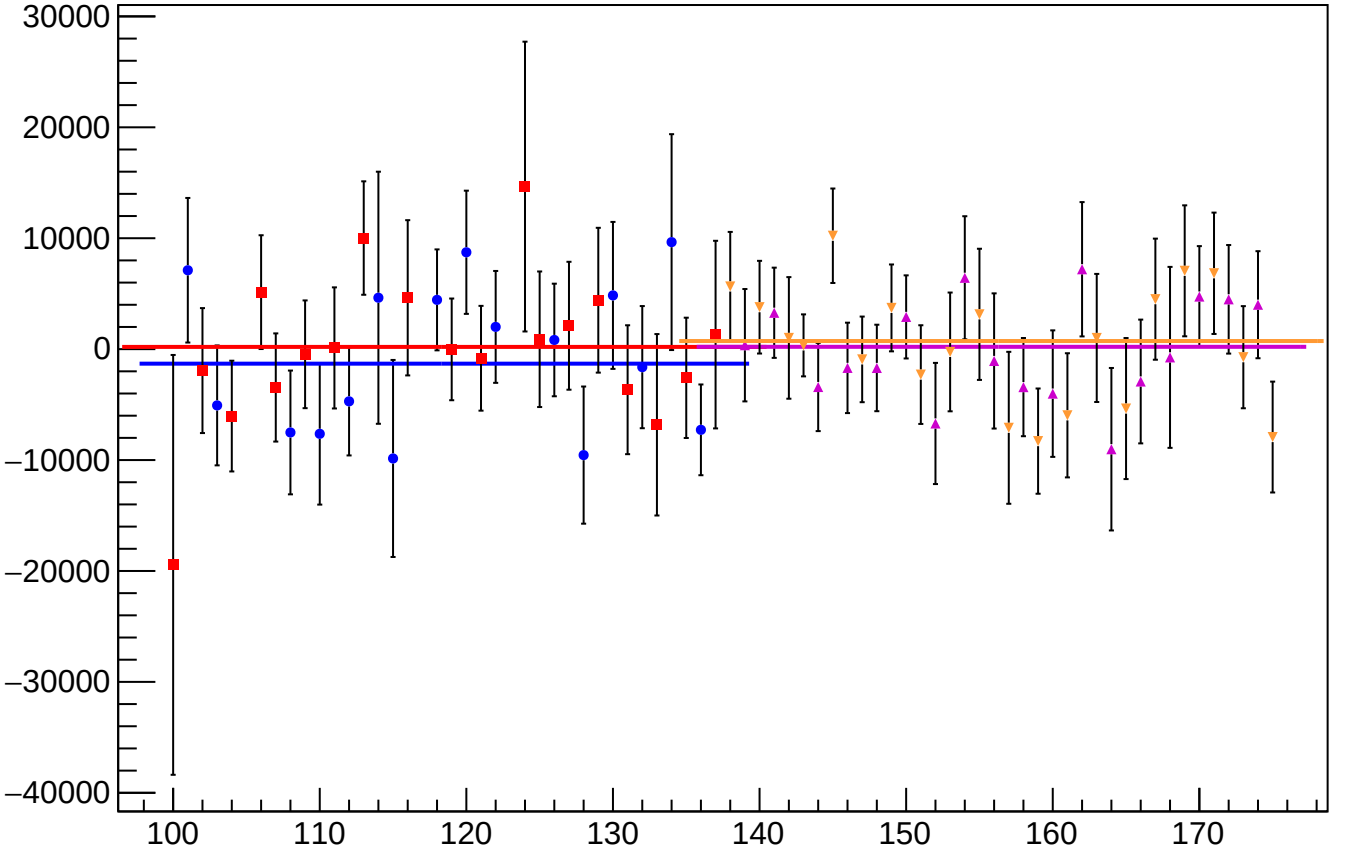
Left In: 4303.864+/-0.806 χ^2/NDF:1028474.8/17

+ sign 3833.601+/-0.581 χ^2/NDF: 2146988.1/35

All: 3805.424+/-0.412 χ^2/NDF: 4855475.3/72

- sign 3776.915+/-0.584 χ^2/NDF: 2703752.1/36

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 730.737+/-1056.069 χ^2/NDF:21.2/19

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

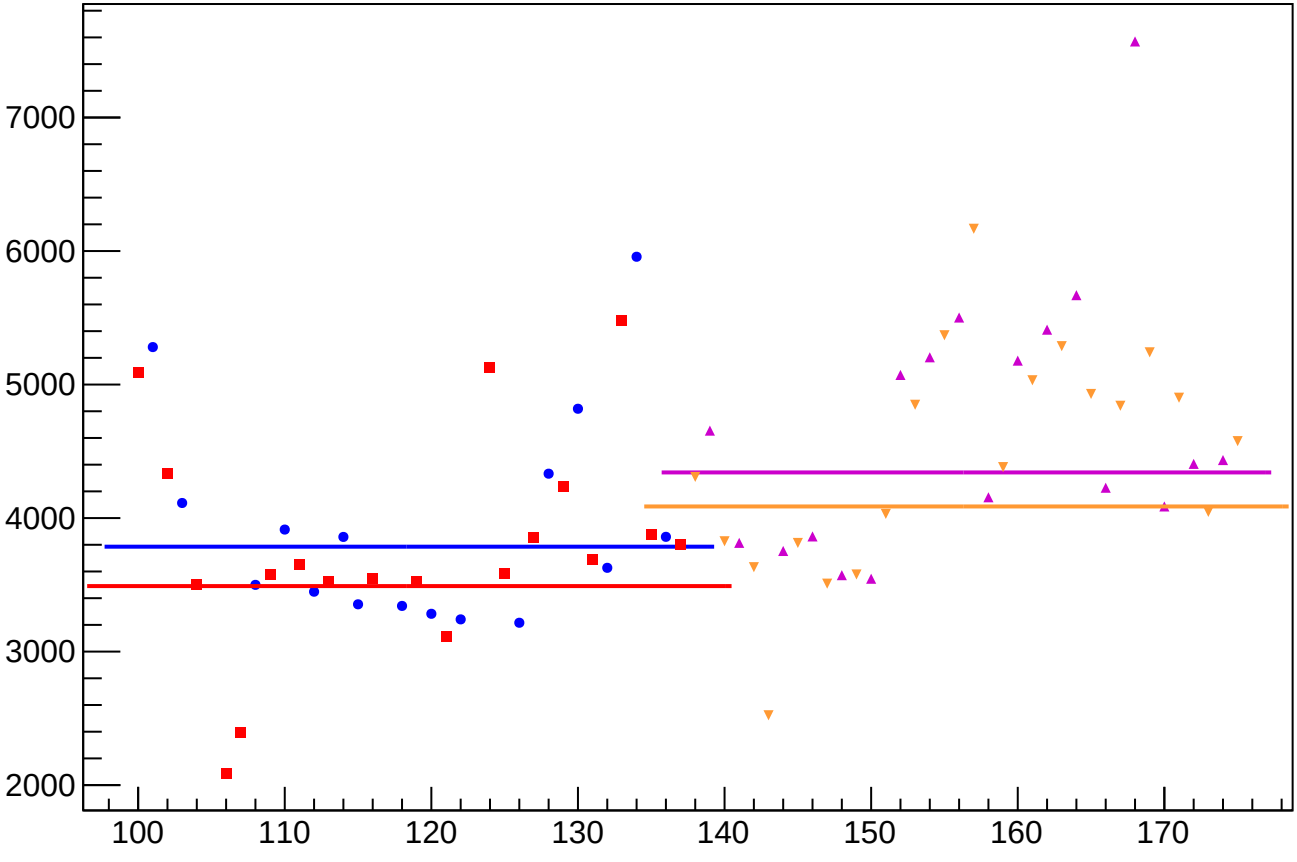
Left In: 210.269+/-1146.548 χ^2/NDF:12.1/17

+ sign 11.814+/-849.857 χ^2/NDF: 40.1/35

All: 106.911+/-607.967 χ^2/NDF: 63.9/72

- sign 206.589+/-870.089 χ^2/NDF: 23.8/36

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4086.971+/-0.747 χ^2/NDF:1422530.3/19

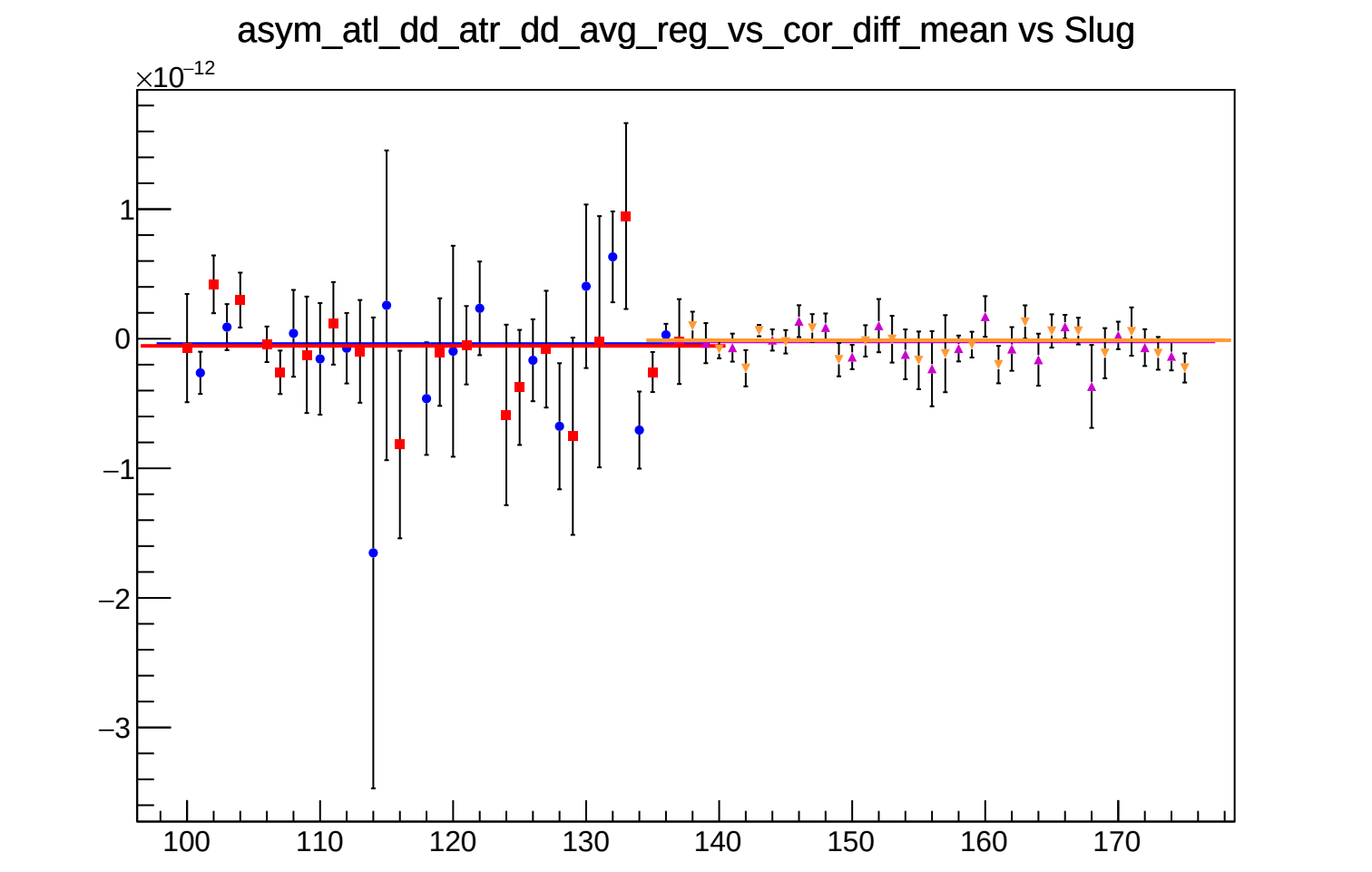
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

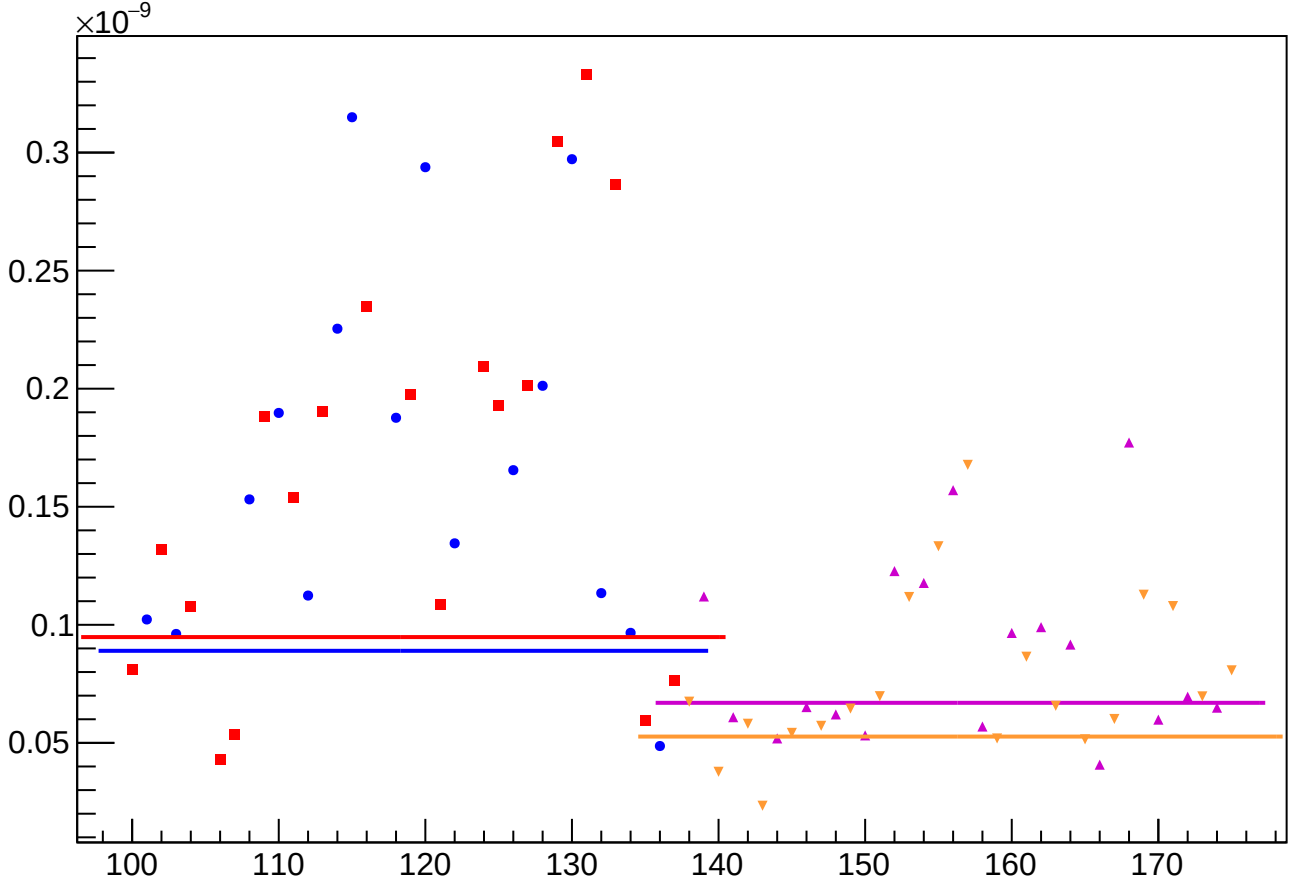
Left In: 4341.856+/-0.811 χ^2/NDF:933474.2/17

\+ sign 3980.828+/-0.601 χ^2/NDF: 1862853.9/35

All: 3978.024+/-0.429 χ^2/NDF: 3858041.8/72

\- sign 3975.120+/-0.612 χ^2/NDF: 1995143.6/36


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:18.4/19
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:12.1/17
+ sign -0.000+/-0.000 χ²/NDF: 35.2/35
All: -0.000+/-0.000 χ²/NDF: 63.6/72
- sign -0.000+/-0.000 χ²/NDF: 28.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2521984.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

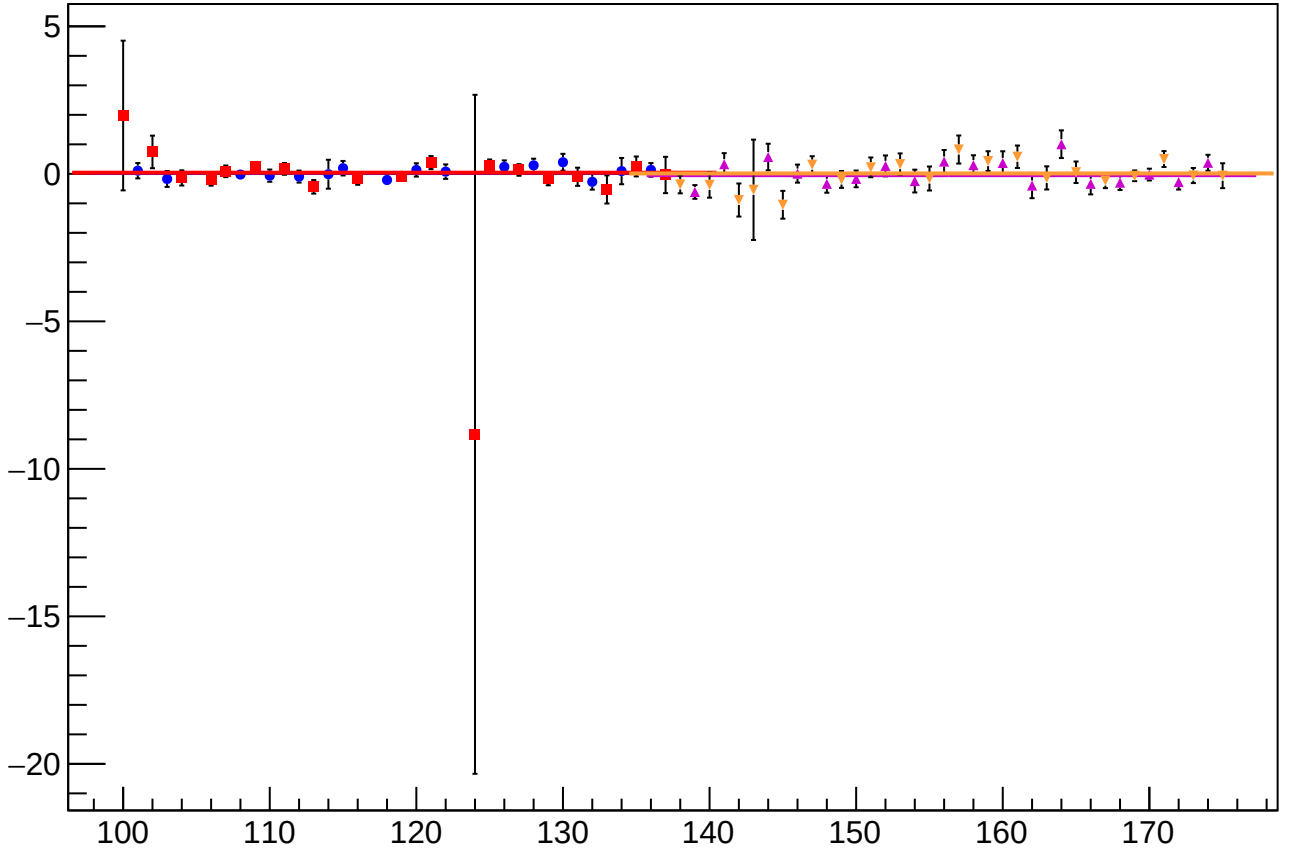
Left In: 0.000+/-0.000 χ^2/NDF:1375901.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 4636836.9/35

All: 0.000+/-0.000 χ^2/NDF: 8397999.2/72

- sign 0.000+/-0.000 χ^2/NDF: 3423324.0/36

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

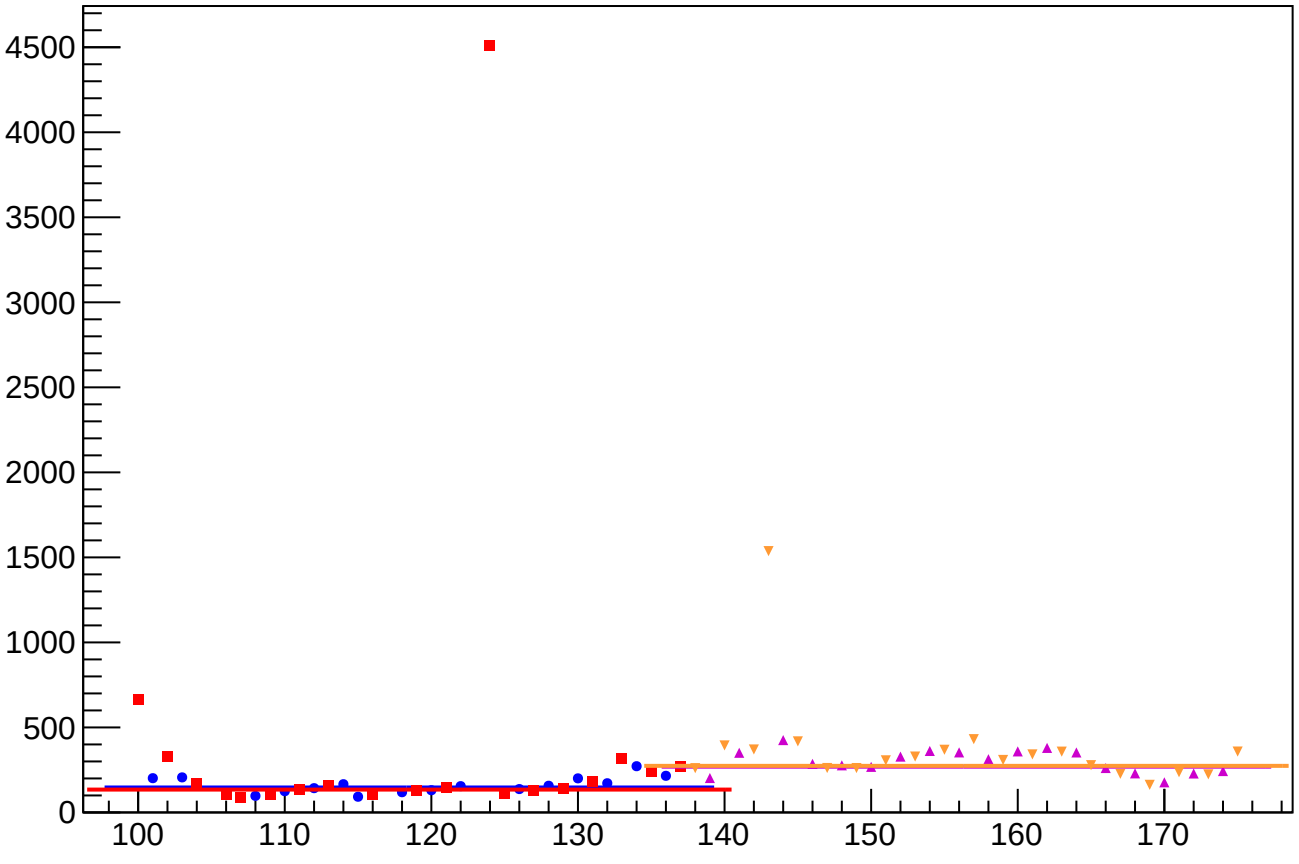
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.016+/-0.031 χ^2/NDF: 79.8/72

- sign 0.009+/-0.044 χ^2/NDF: 46.0/36



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092245.2/19

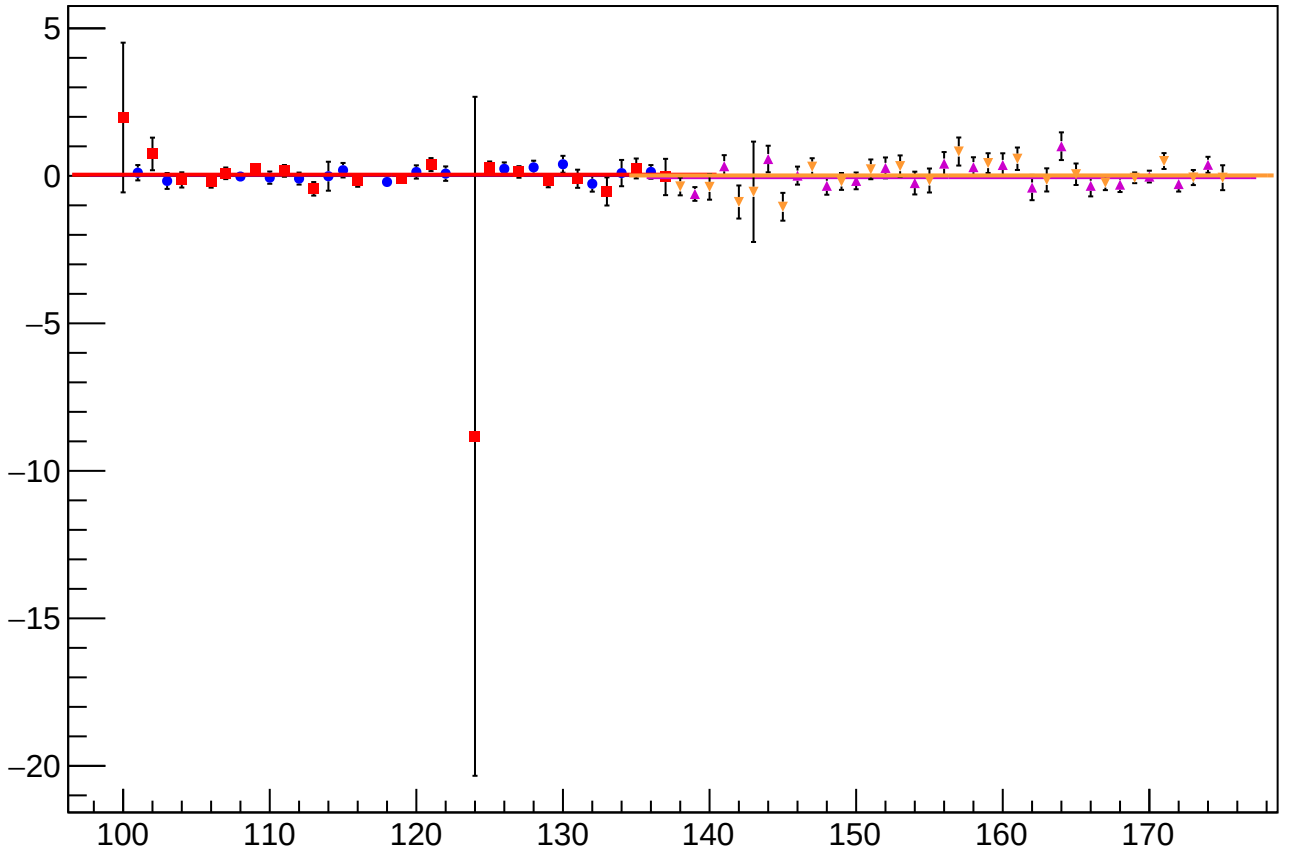
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

+ sign 195.414+/-0.032 χ^2/NDF: 7803505.3/35

All: 189.106+/-0.022 χ^2/NDF: 15507610.9/72

- sign 183.234+/-0.031 χ^2/NDF: 7629435.0/36



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

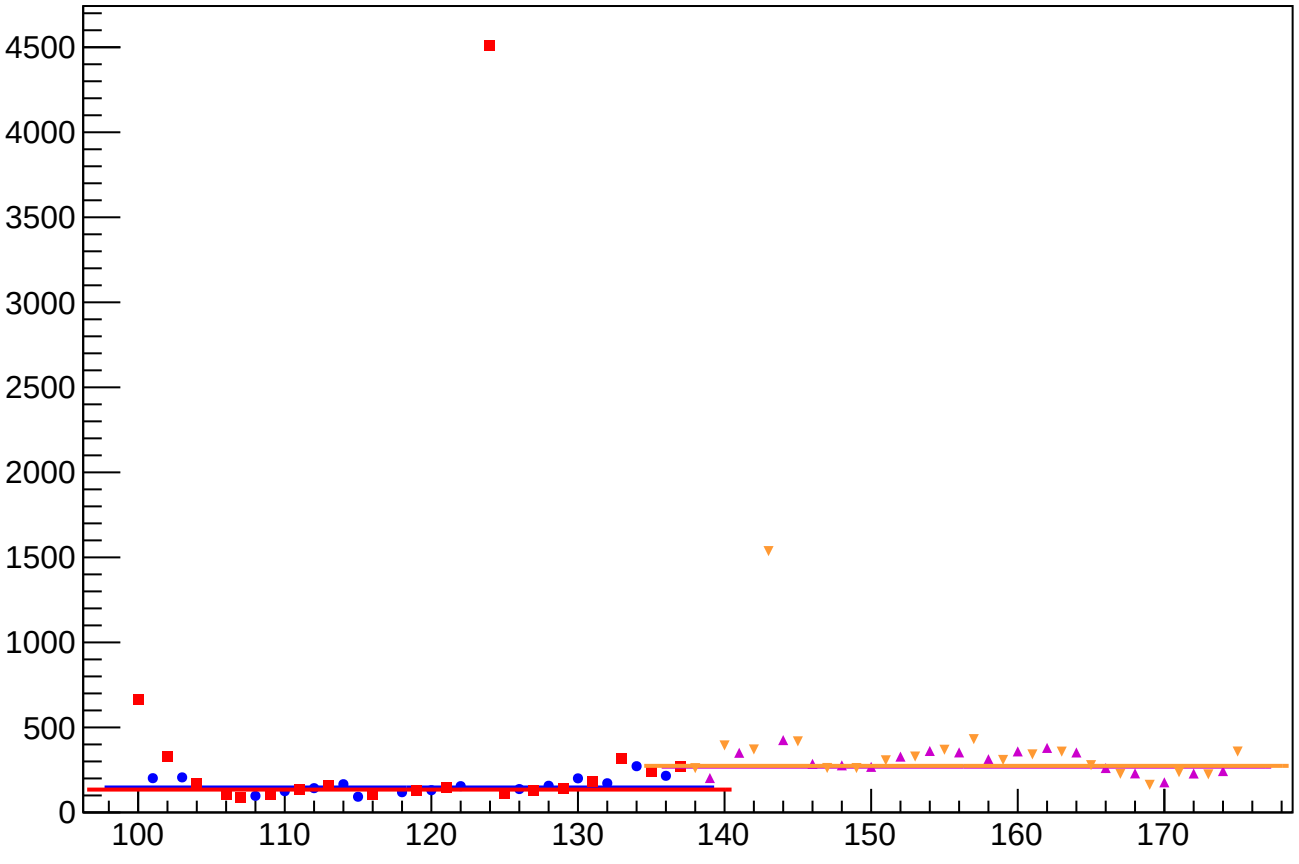
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.016+/-0.031 χ^2/NDF: 79.8/72

- sign 0.009+/-0.044 χ^2/NDF: 46.0/36



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092245.2/19

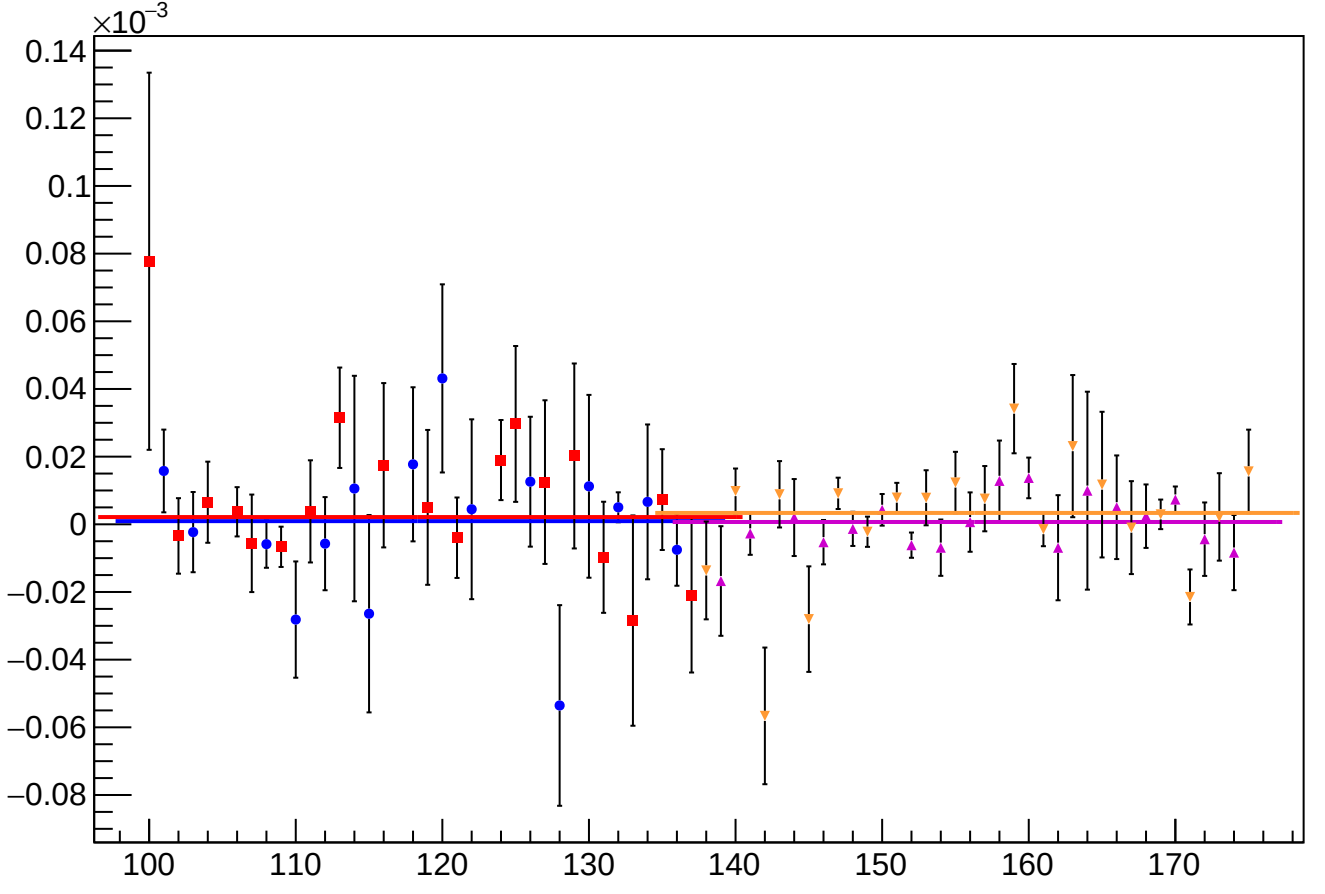
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

+ sign 195.414+/-0.032 χ^2/NDF: 7803505.3/35

All: 189.106+/-0.022 χ^2/NDF: 15507610.9/72

- sign 183.234+/-0.031 χ^2/NDF: 7629435.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.0/19

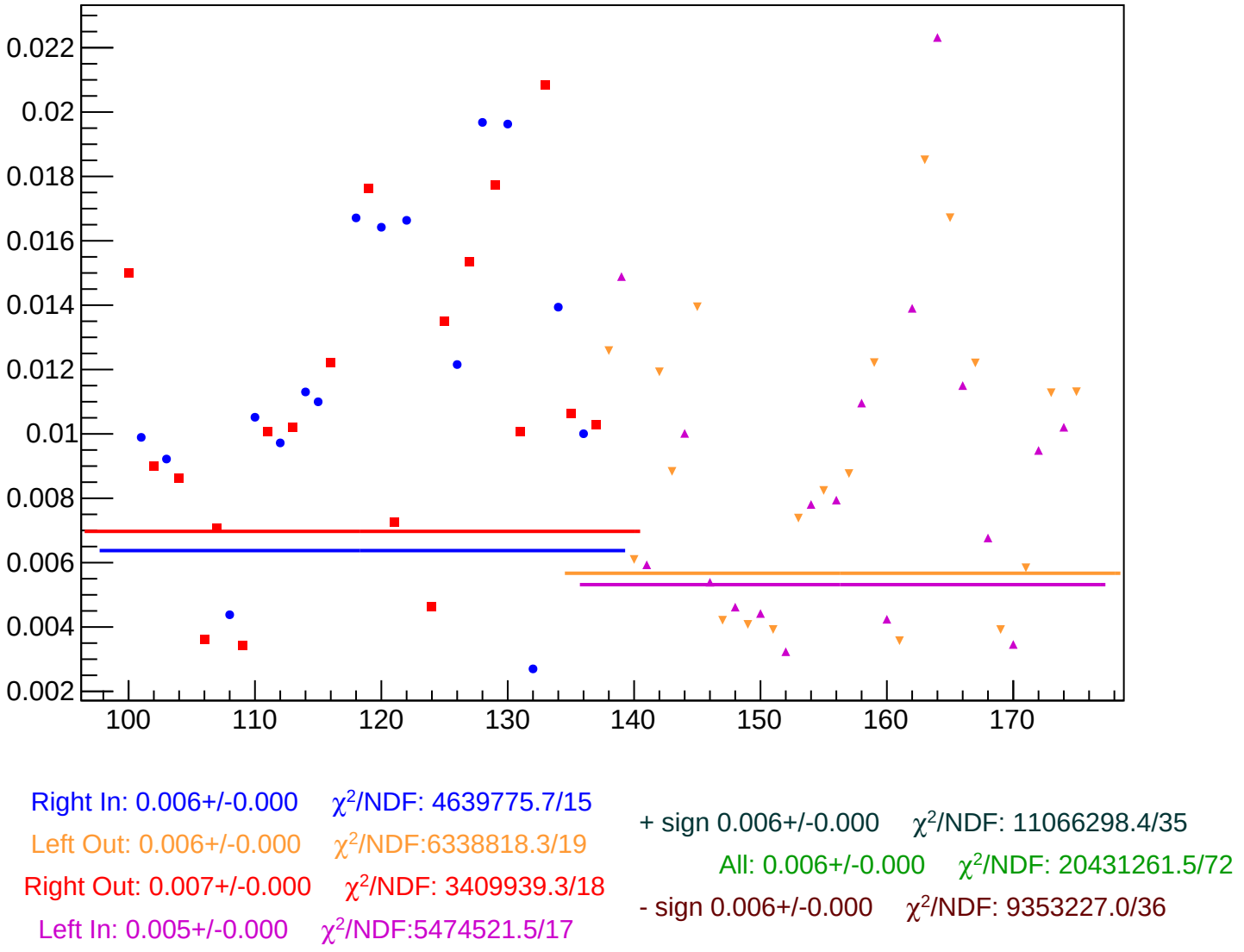
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/17

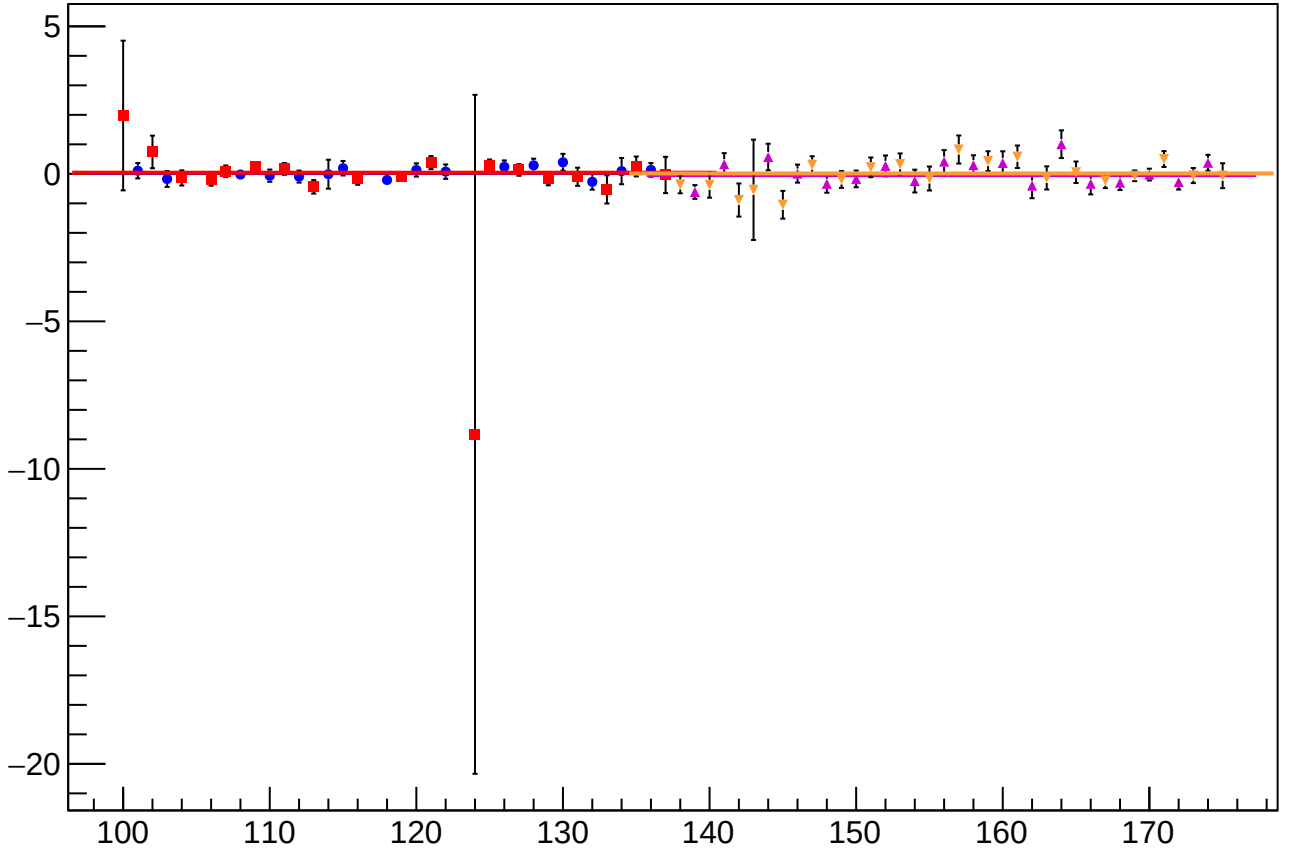
+ sign 0.000+/-0.000 χ^2/NDF: 54.4/35

All: 0.000+/-0.000 χ^2/NDF: 88.7/72

- sign 0.000+/-0.000 χ^2/NDF: 33.5/36


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.006+/-0.000 χ²/NDF: 4639775.7/15
Left Out: 0.006+/-0.000 χ²/NDF:6338818.3/19
Right Out: 0.007+/-0.000 χ²/NDF: 3409939.3/18
Left In: 0.005+/-0.000 χ²/NDF:5474521.5/17
+ sign 0.006+/-0.000 χ²/NDF: 11066298.4/35
All: 0.006+/-0.000 χ²/NDF: 20431261.5/72
- sign 0.006+/-0.000 χ²/NDF: 9353227.0/36

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

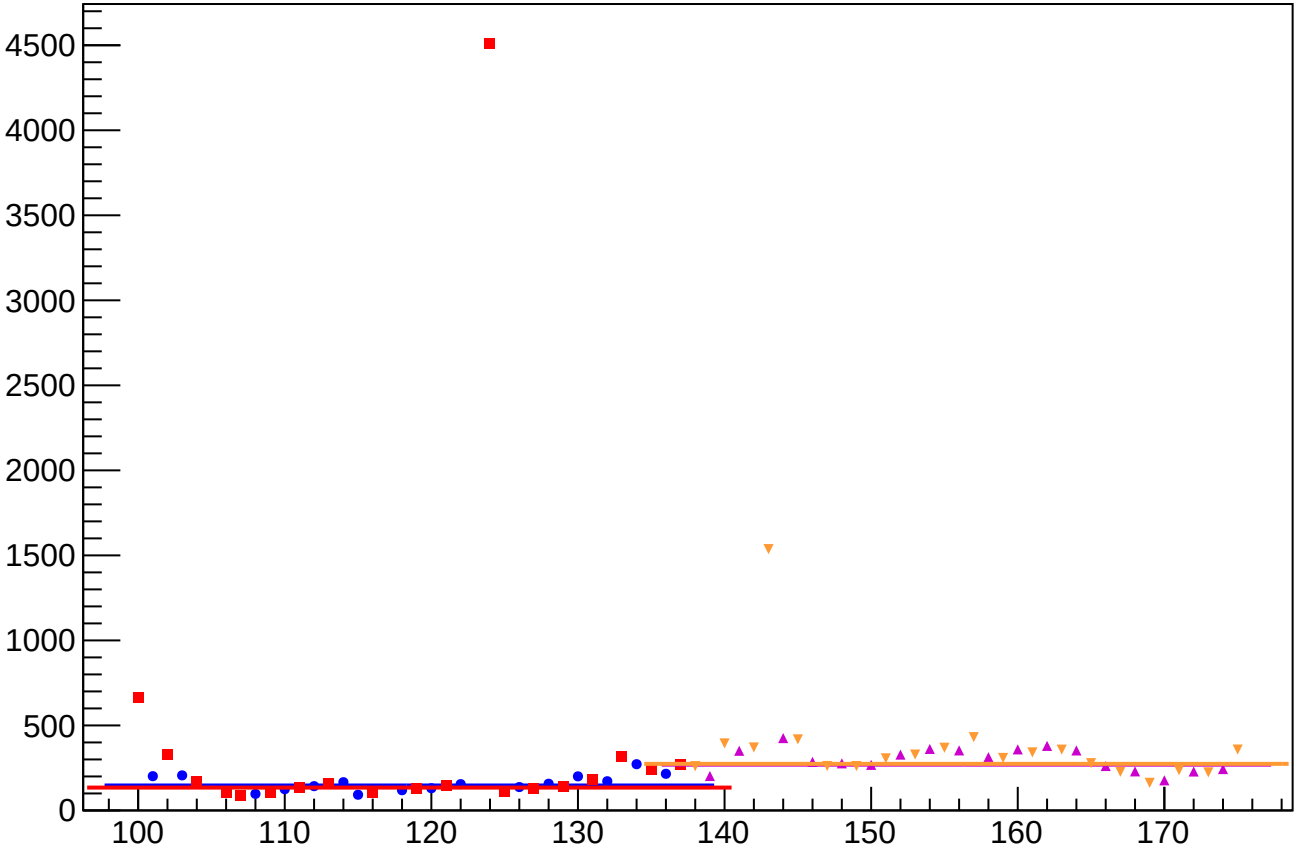
Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.016+/-0.031 χ^2/NDF: 79.8/72

- sign 0.009+/-0.044 χ^2/NDF: 46.0/36

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

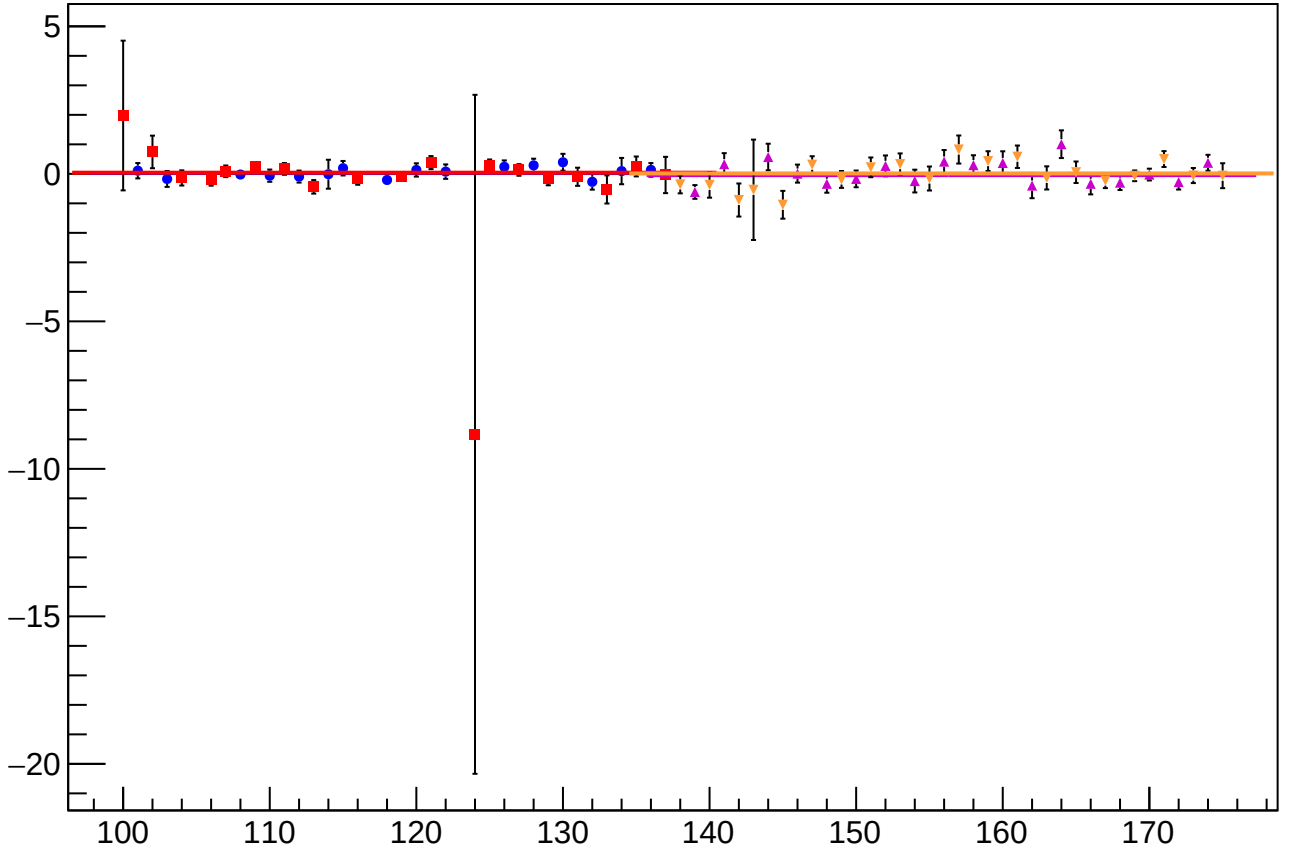
Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

+ sign 195.414+/-0.032 χ^2/NDF: 7803580.4/35

All: 189.106+/-0.022 χ^2/NDF: 15507609.5/72

- sign 183.236+/-0.031 χ^2/NDF: 7629378.7/36

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

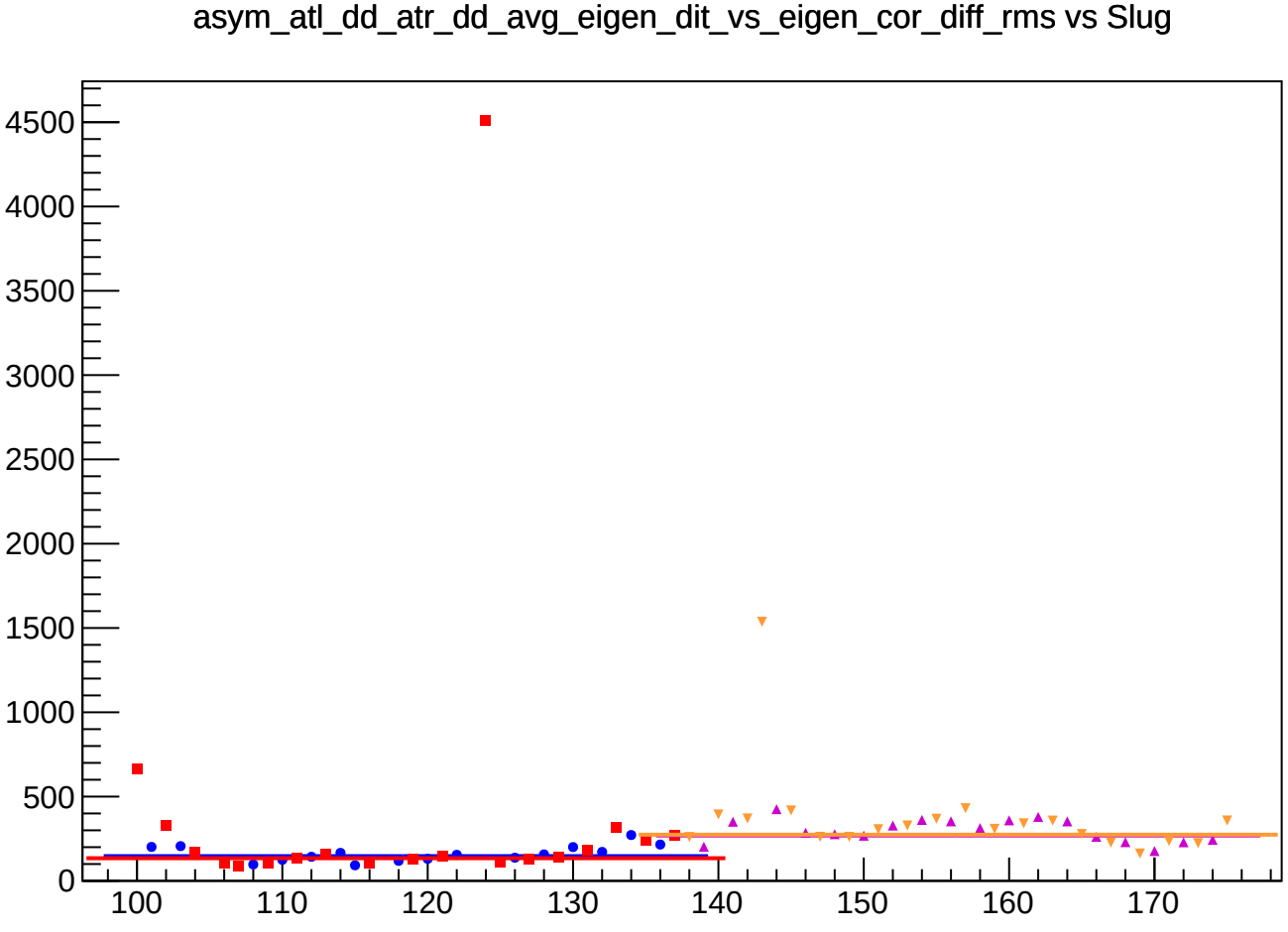
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.016+/-0.031 χ^2/NDF: 79.8/72

- sign 0.009+/-0.044 χ^2/NDF: 46.0/36



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

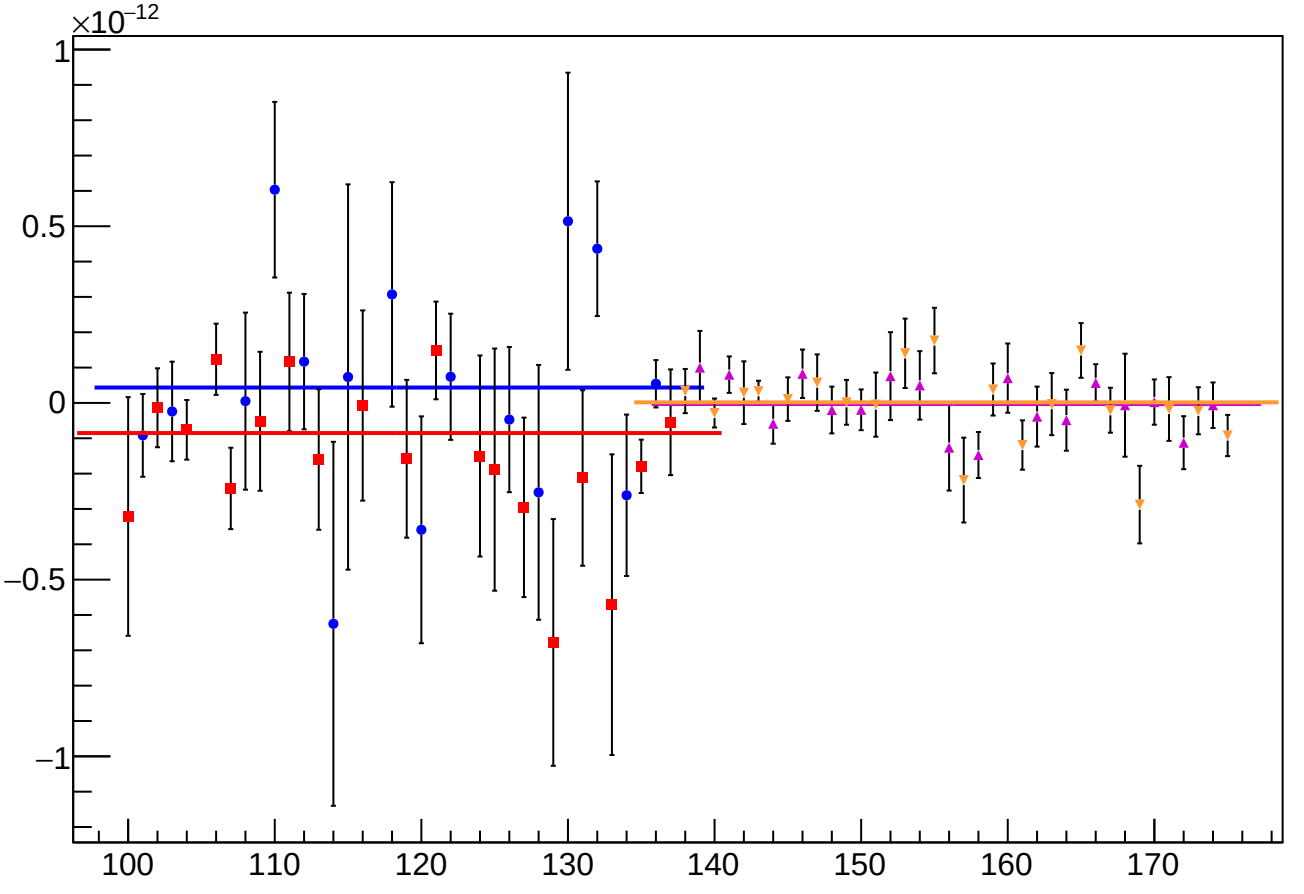
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

+ sign 195.414+/-0.032 χ^2/NDF: 7803580.4/35

All: 189.106+/-0.022 χ^2/NDF: 15507609.5/72

- sign 183.236+/-0.031 χ^2/NDF: 7629378.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/19

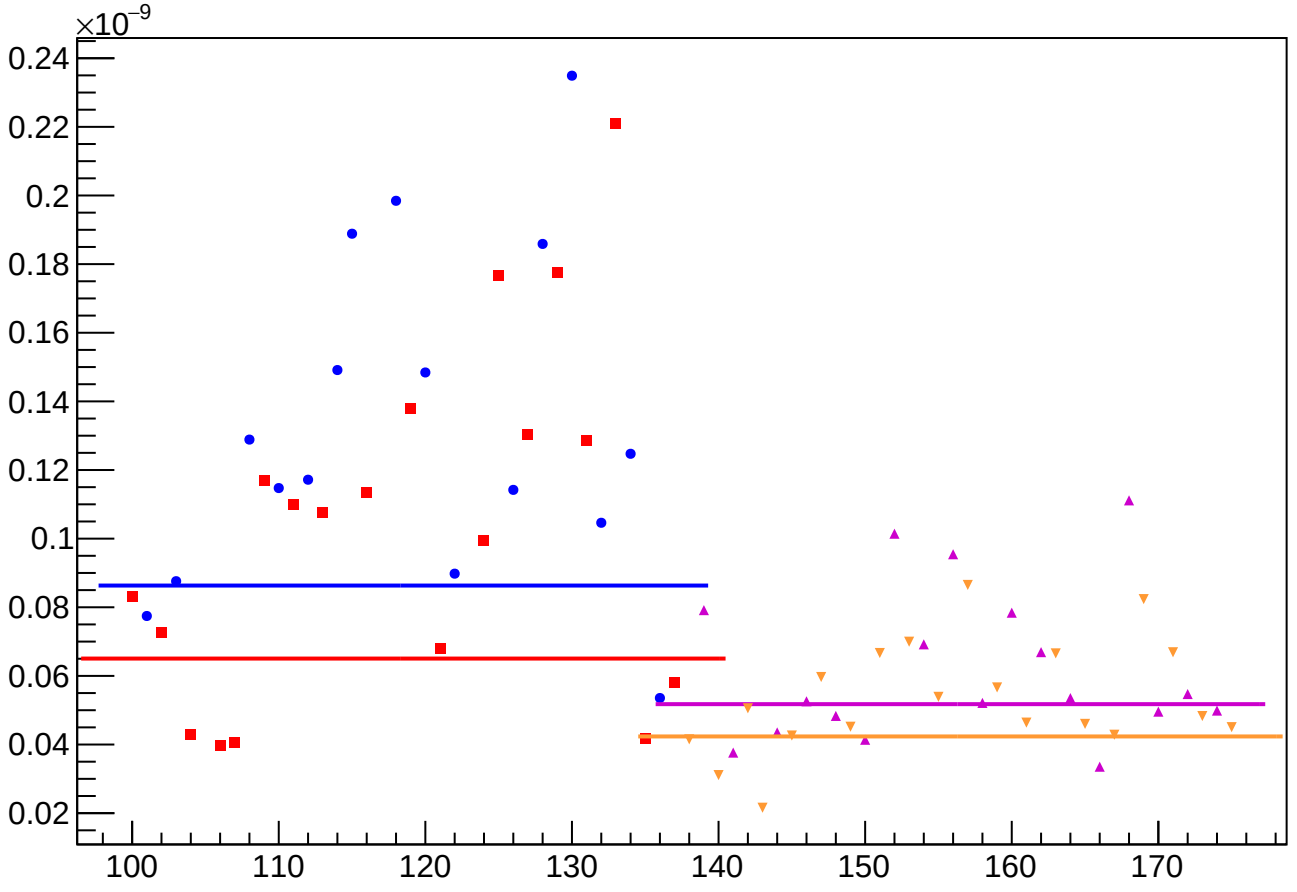
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 48.0/35

All: -0.000+/-0.000 χ^2/NDF: 89.7/72

- sign -0.000+/-0.000 χ^2/NDF: 40.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2525386.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

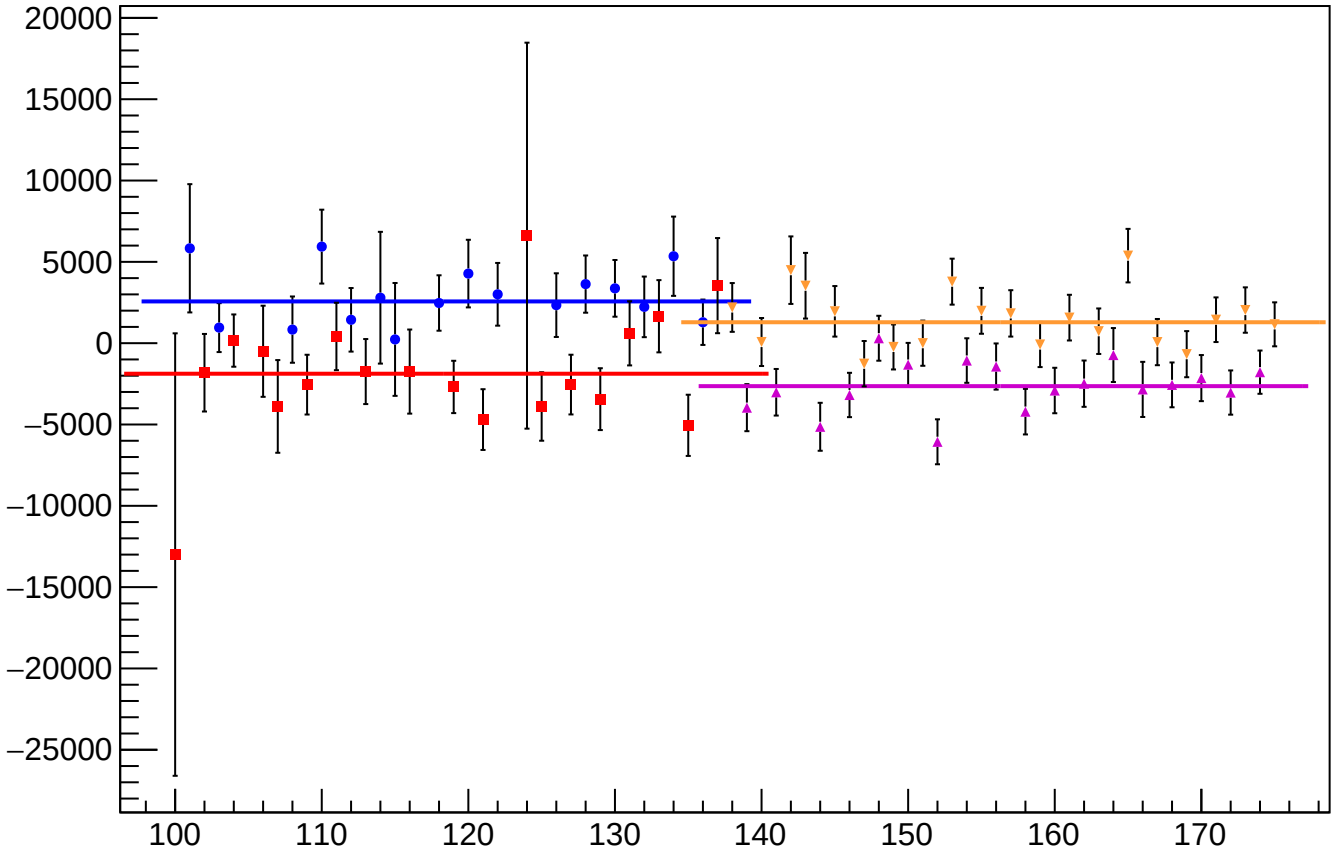
Left In: 0.000+/-0.000 χ^2/NDF:1834286.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 5993964.1/35

All: 0.000+/-0.000 χ^2/NDF: 10504649.2/72

- sign 0.000+/-0.000 χ^2/NDF: 4234532.2/36

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1287.257+/-327.327 χ^2/NDF:24.1/19

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

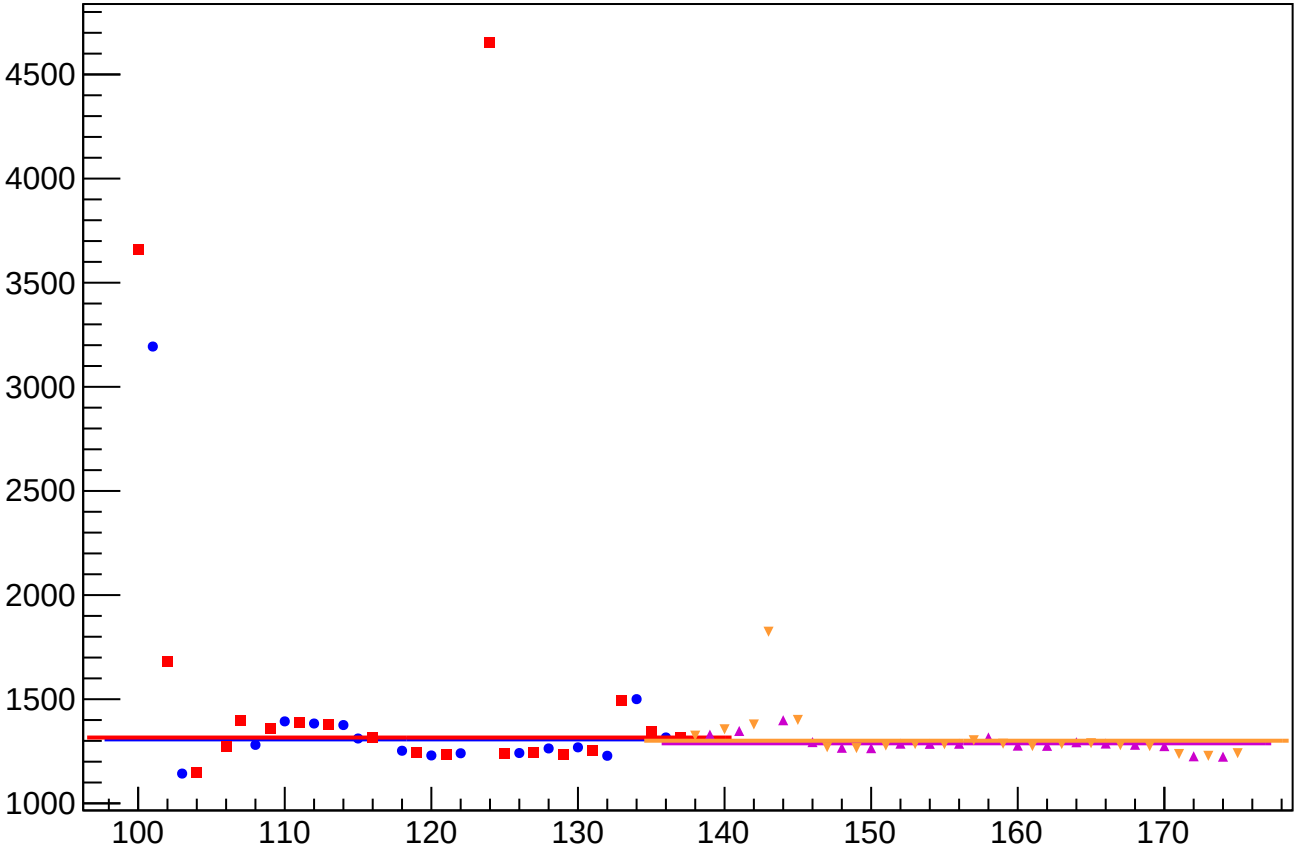
Left In: -2641.873+/-334.098 χ^2/NDF:20.9/17

+ sign 1676.346+/-273.092 χ^2/NDF: 37.8/35

All: -335.088+/-194.429 χ^2/NDF: 189.9/72

- sign -2402.622+/-276.875 χ^2/NDF: 42.1/36

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1300.691+/-0.231 χ^2/NDF:168297.0/19

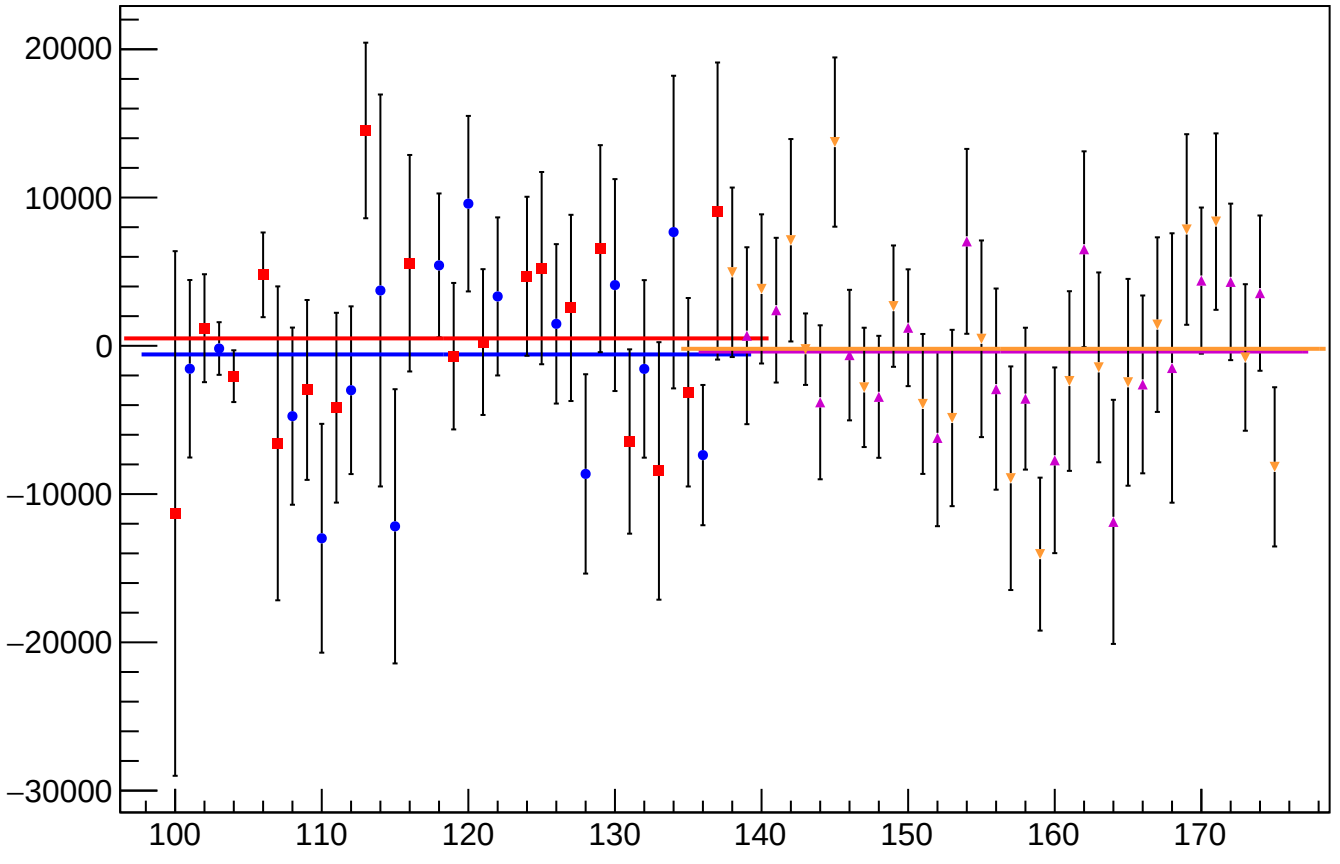
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1288.212+/-0.236 χ^2/NDF:27701.4/17

+ sign 1302.629+/-0.193 χ^2/NDF: 684776.8/35

All: 1299.825+/-0.137 χ^2/NDF: 1043674.8/72

- sign 1296.948+/-0.196 χ^2/NDF: 358470.8/36



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -202.369+/-1120.824 χ^2/NDF:25.5/19

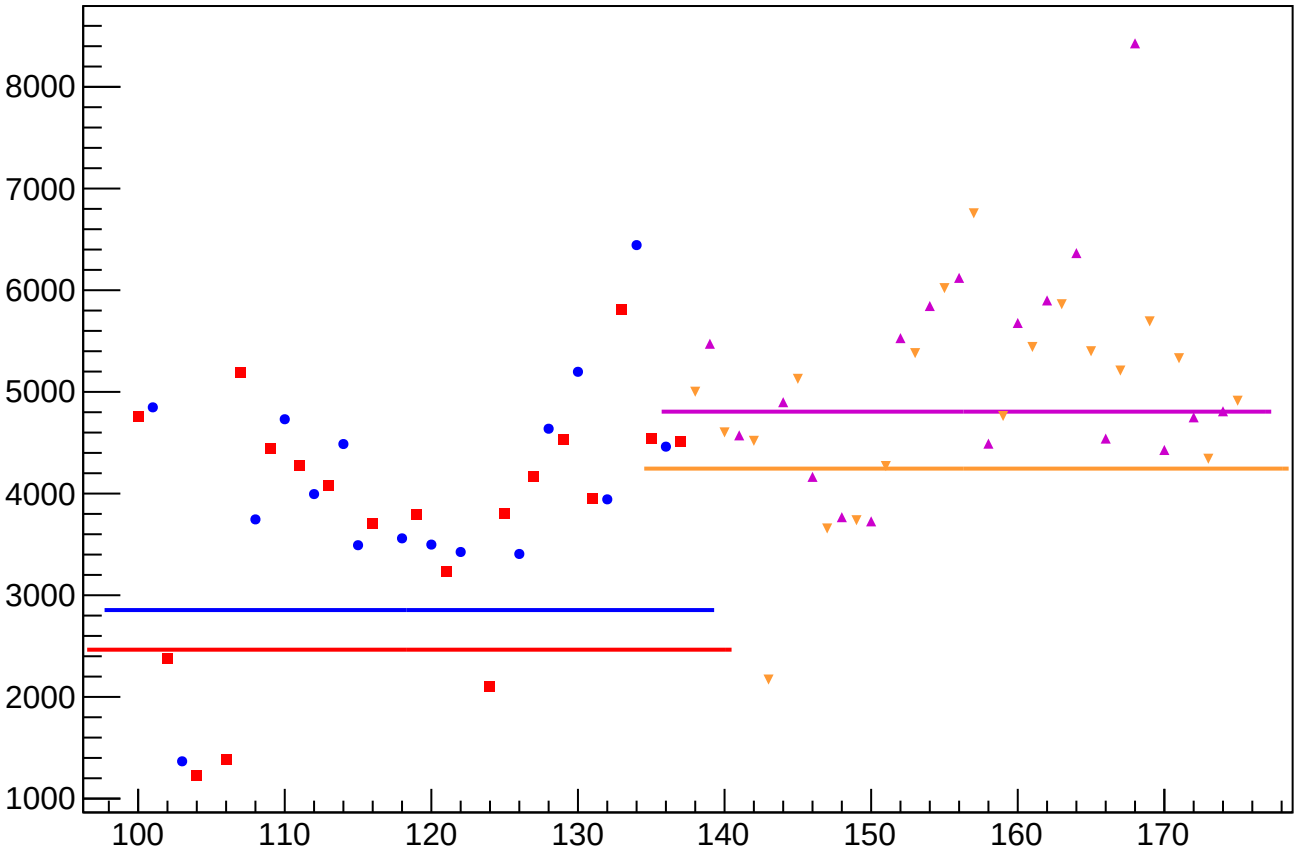
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -386.685+/-1271.793 χ^2/NDF:11.3/17

+ sign -380.277+/-816.822 χ^2/NDF: 40.3/35

All: -119.440+/-575.934 χ^2/NDF: 69.8/72

- sign 138.443+/-812.185 χ^2/NDF: 29.3/36



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4245.569+/-0.793 χ^2/NDF:2622986.4/19

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

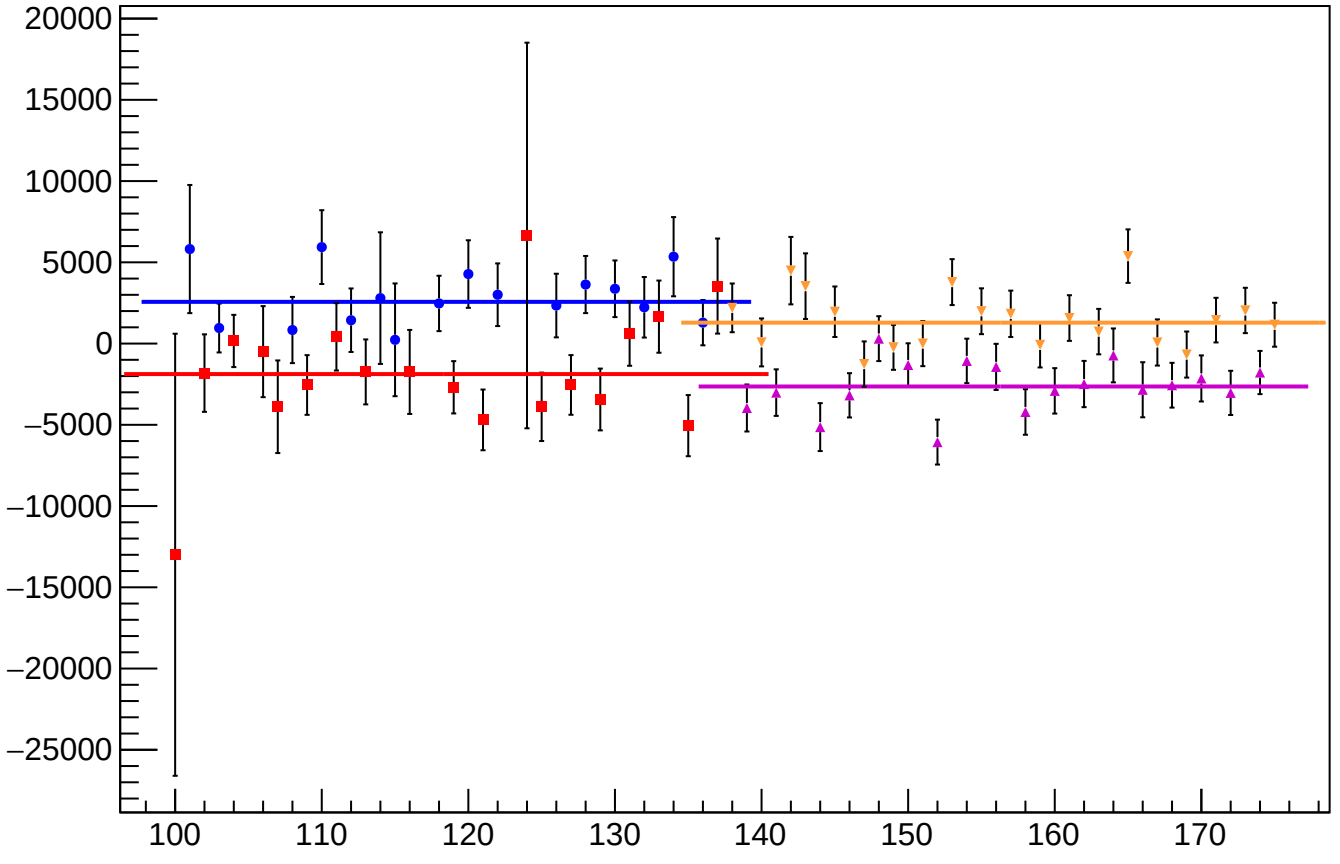
Left In: 4805.694+/-0.899 χ^2/NDF:1018175.9/17

+ sign 3593.210+/-0.578 χ^2/NDF: 6972758.5/35

All: 3505.790+/-0.407 χ^2/NDF: 15405589.1/7

- sign 3419.360+/-0.574 χ^2/NDF: 8387272.9/36

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1287.205+/-327.327 χ^2/NDF:24.1/19

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

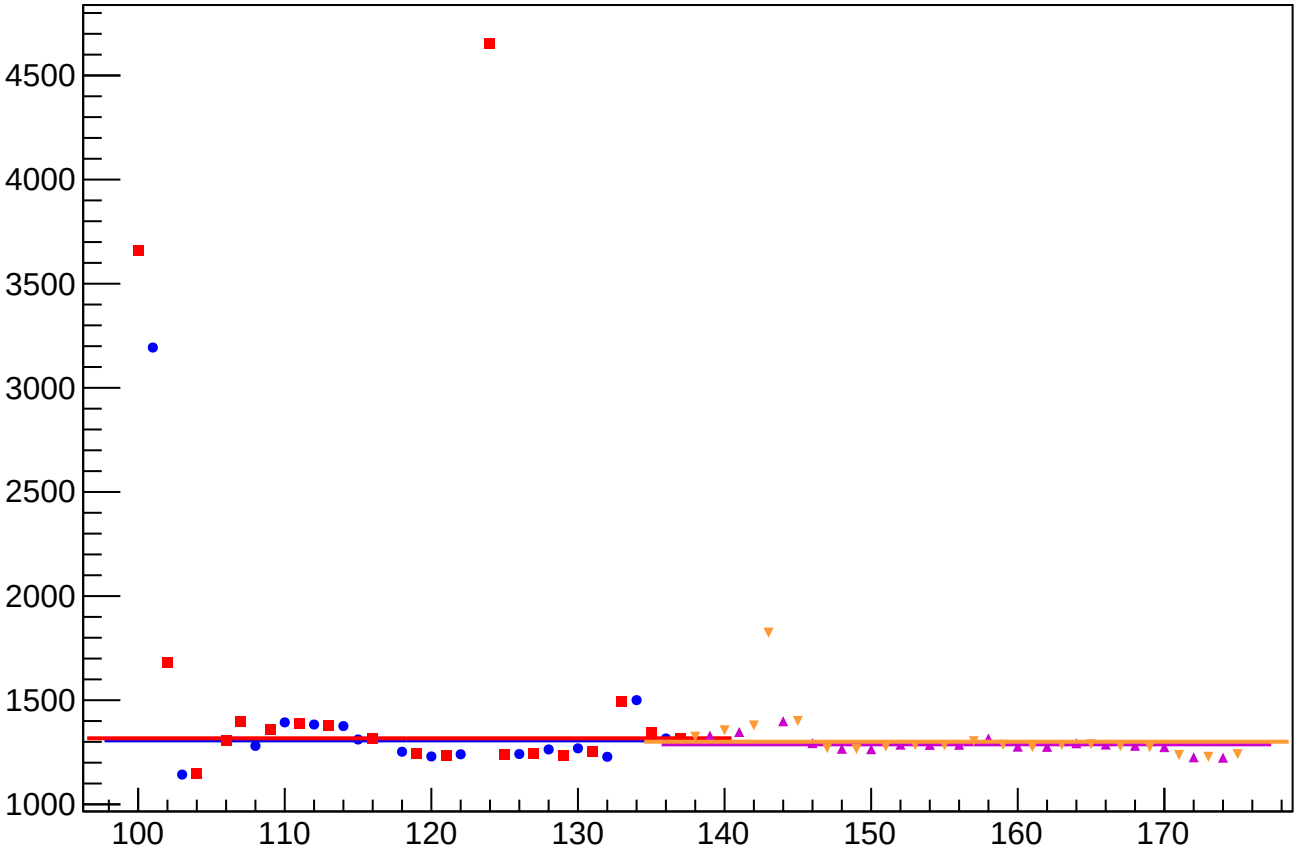
Left In: -2641.889+/-334.098 χ^2/NDF:20.9/17

+ sign 1676.225+/-273.092 χ^2/NDF: 37.8/35

All: -335.115+/-194.429 χ^2/NDF: 189.9/72

- sign -2402.554+/-276.875 χ^2/NDF: 42.1/36

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1300.691+/-0.231 χ^2/NDF:168297.0/19

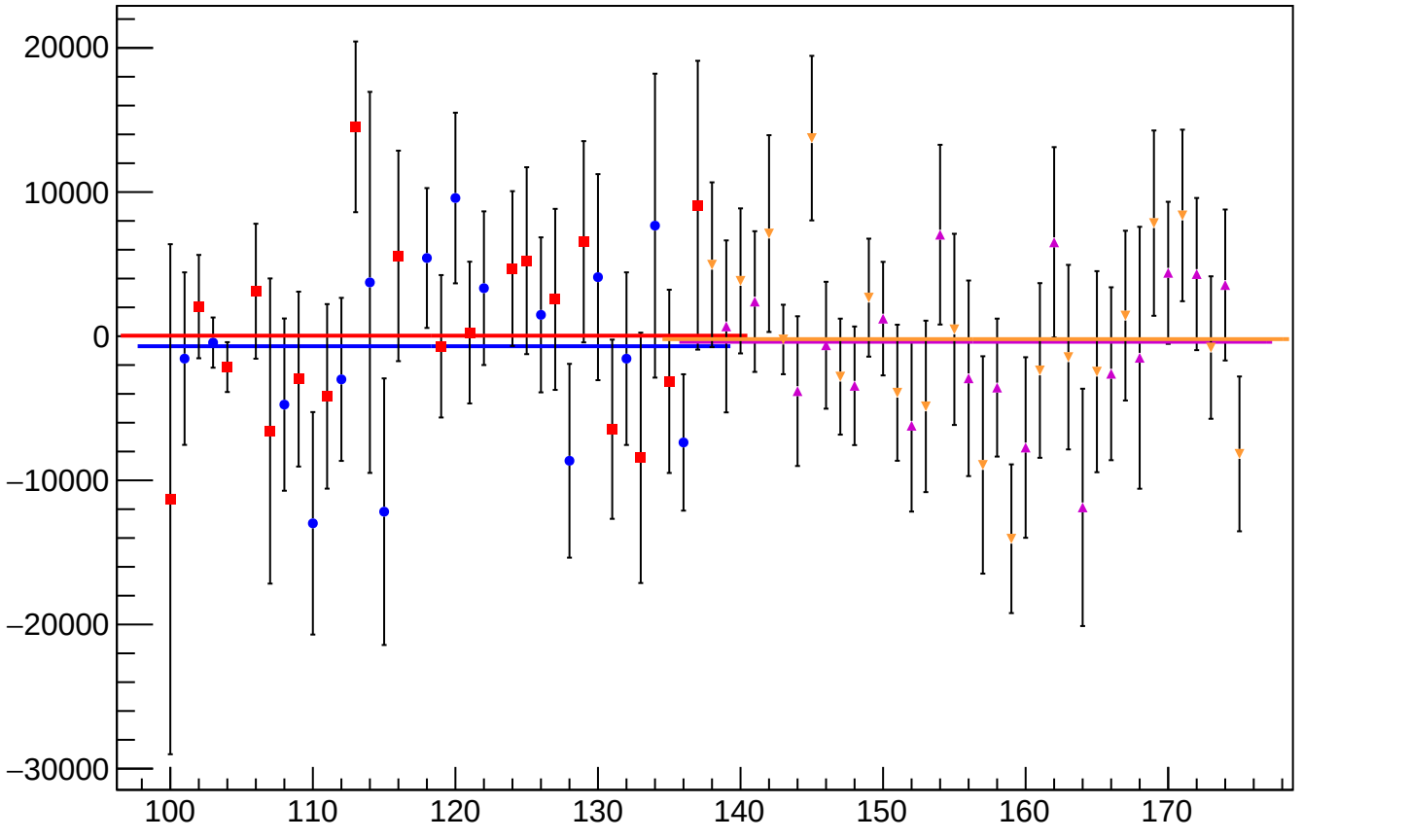
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1288.212+/-0.236 χ^2/NDF:27701.4/17

+ sign 1302.629+/-0.193 χ^2/NDF: 684778.3/35

All: 1299.996+/-0.137 χ^2/NDF: 1043488.2/72

- sign 1297.293+/-0.196 χ^2/NDF: 358333.1/36



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -202.390+/-1120.820 χ^2/NDF:25.5/19

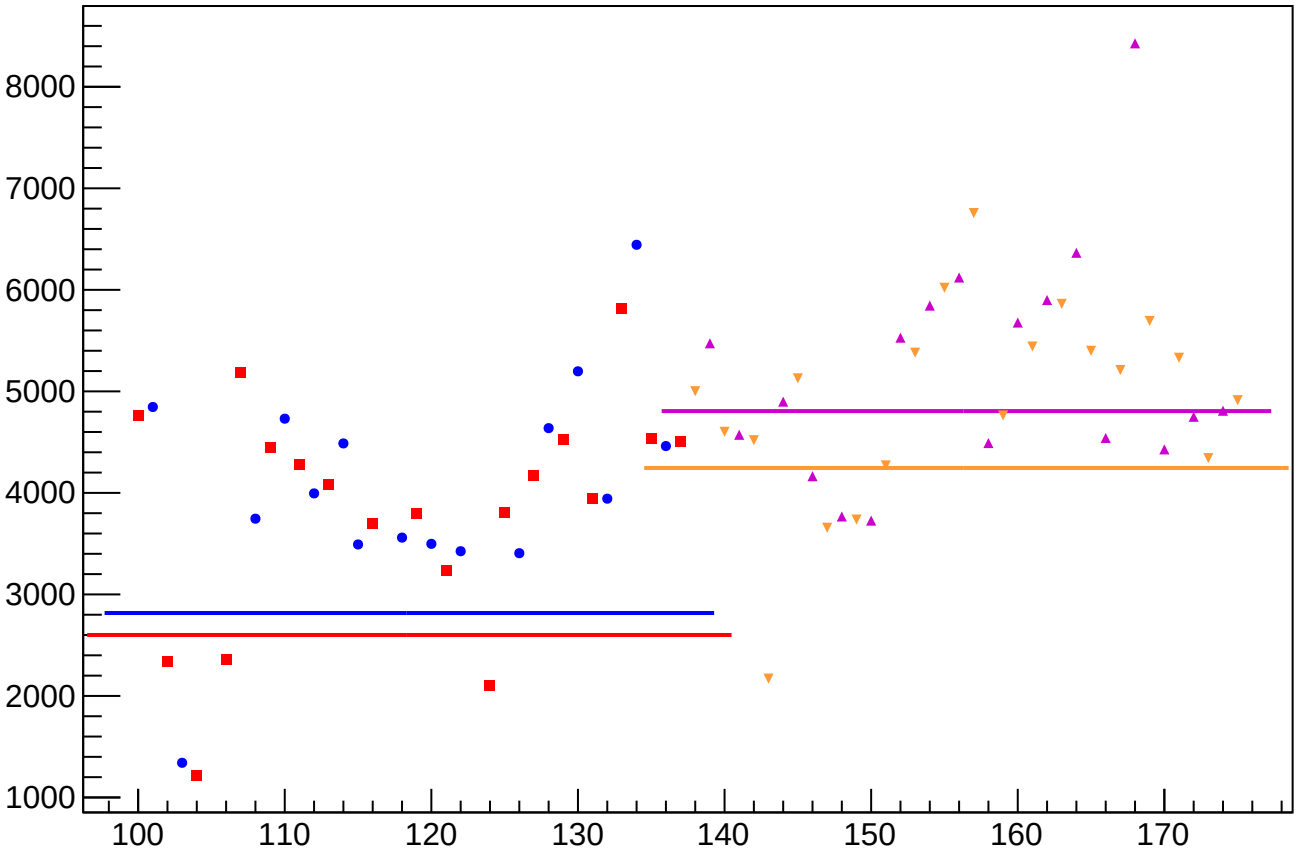
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -386.746+/-1271.793 χ^2/NDF:11.3/17

+ sign -435.645+/-813.449 χ^2/NDF: 40.3/35

All: -293.219+/-581.370 χ^2/NDF: 67.7/72

- sign -144.509+/-831.200 χ^2/NDF: 27.3/36



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4245.549+/-0.793 χ^2/NDF:2623069.0/19

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

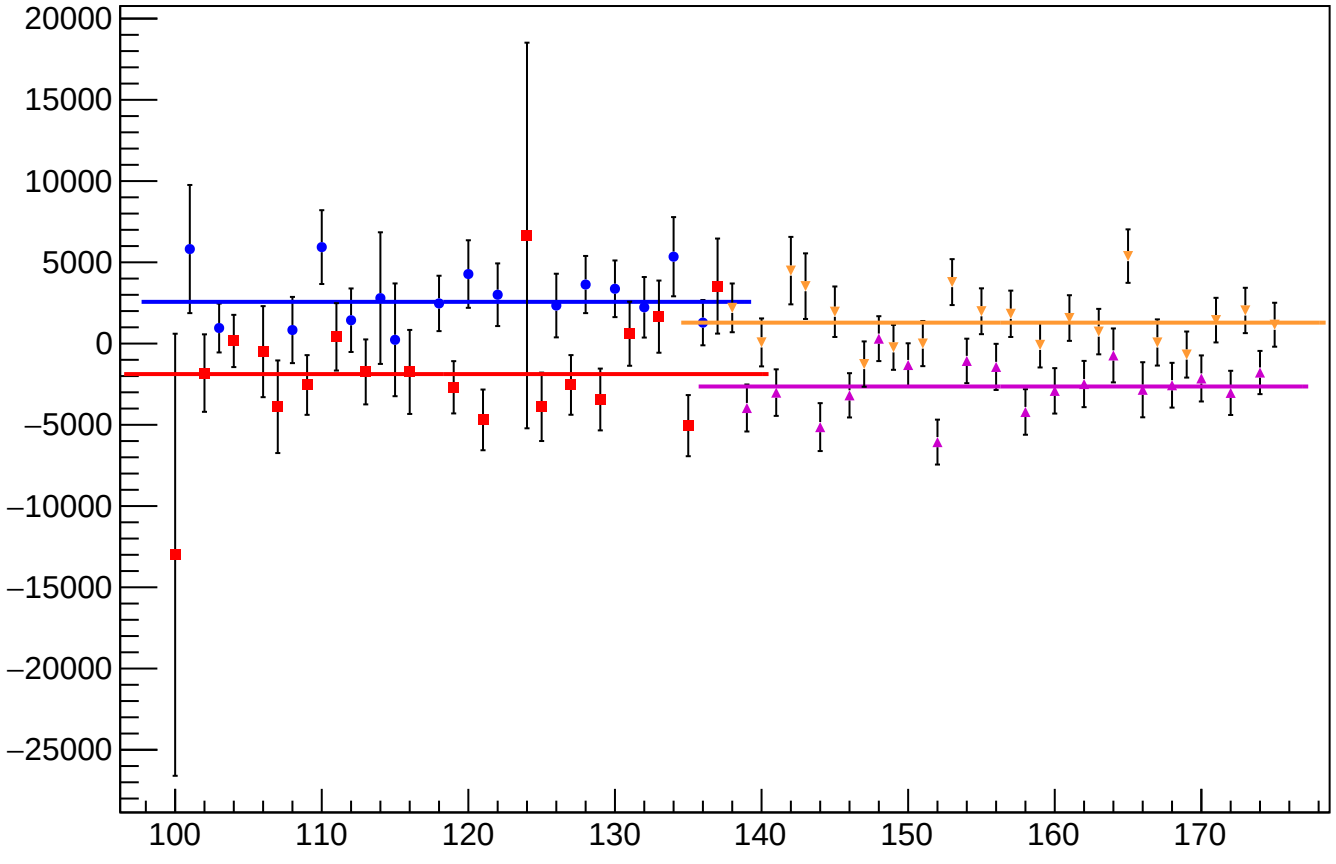
Left In: 4805.693+/-0.899 χ^2/NDF:1018183.6/17

\+ sign 3569.359+/-0.575 χ^2/NDF: 7168751.7/35

All: 3556.199+/-0.411 χ^2/NDF: 14713258.3/7

\- sign 3542.457+/-0.588 χ^2/NDF: 7543436.5/36

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1287.205+/-327.327 χ^2/NDF:24.1/19

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

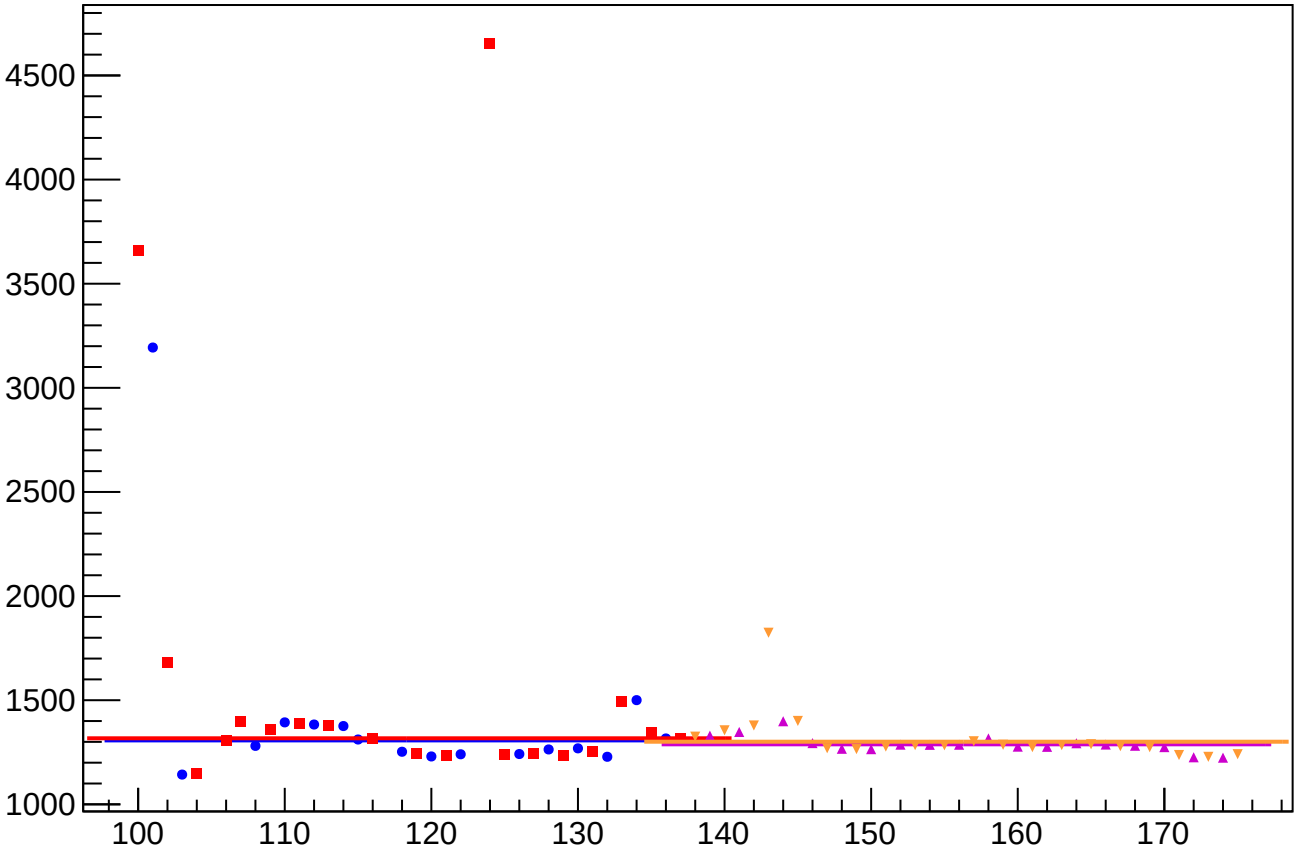
Left In: -2641.889+/-334.098 χ^2/NDF:20.9/17

+ sign 1676.225+/-273.092 χ^2/NDF: 37.8/35

All: -335.115+/-194.429 χ^2/NDF: 189.9/72

- sign -2402.554+/-276.875 χ^2/NDF: 42.1/36

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1300.691+/-0.231 χ^2/NDF:168297.0/19

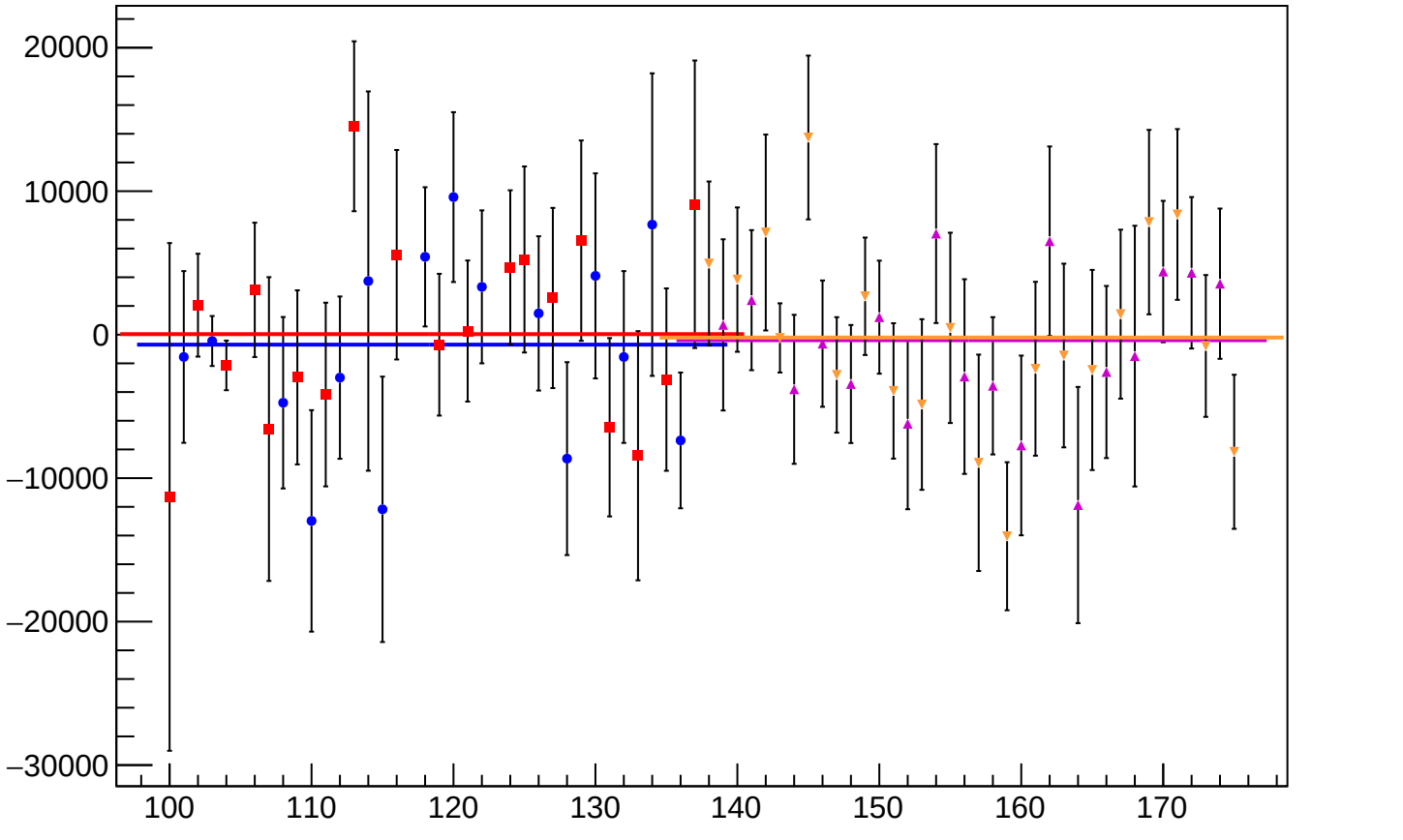
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1288.212+/-0.236 χ^2/NDF:27701.4/17

+ sign 1302.629+/-0.193 χ^2/NDF: 684778.3/35

All: 1299.996+/-0.137 χ^2/NDF: 1043488.2/72

- sign 1297.293+/-0.196 χ^2/NDF: 358333.1/36



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -202.390+/-1120.820 χ^2/NDF:25.5/19

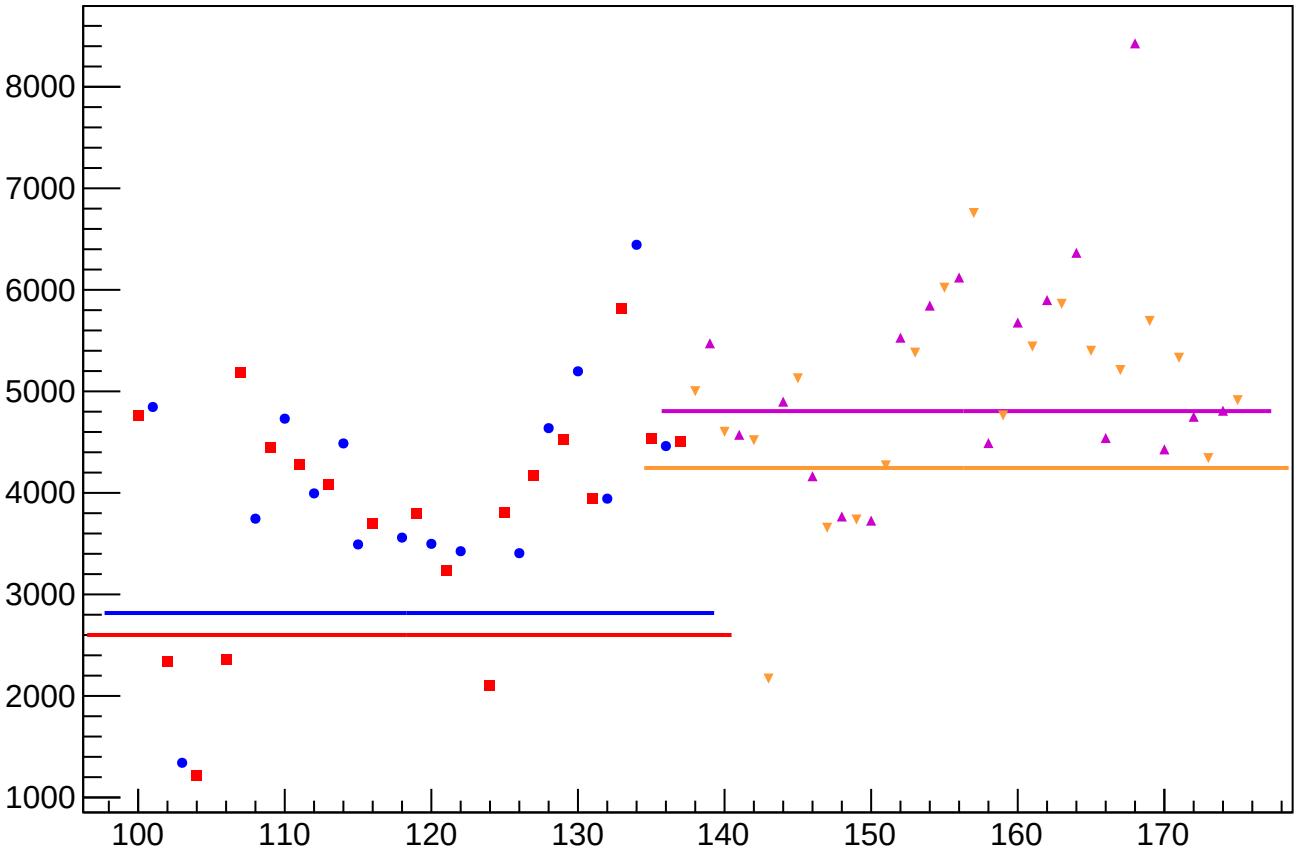
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -386.746+/-1271.793 χ^2/NDF:11.3/17

+ sign -435.645+/-813.449 χ^2/NDF: 40.3/35

All: -293.219+/-581.370 χ^2/NDF: 67.7/72

- sign -144.509+/-831.200 χ^2/NDF: 27.3/36



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4245.549+/-0.793 χ^2/NDF:2623069.0/19

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

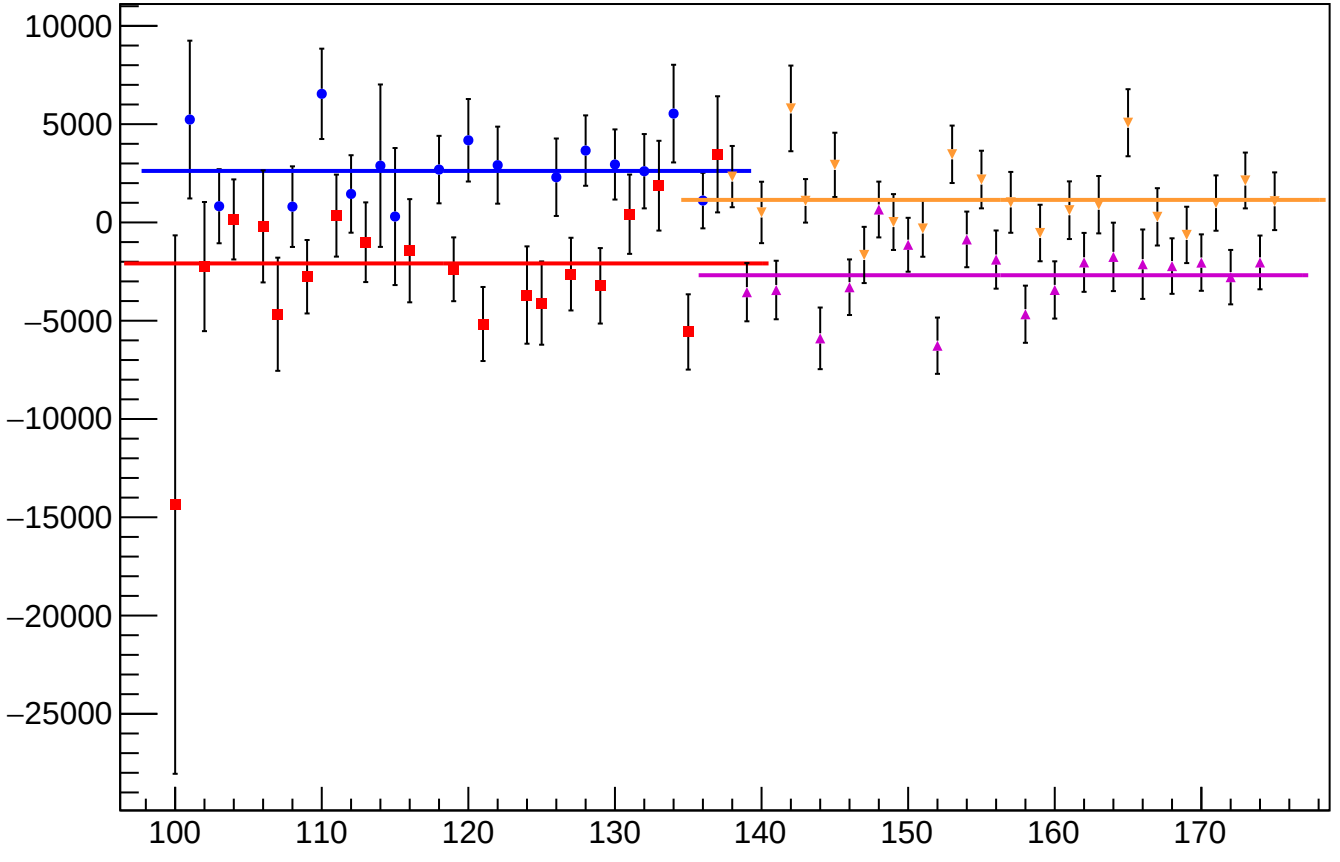
Left In: 4805.693+/-0.899 χ^2/NDF:1018183.6/17

\+ sign 3569.359+/-0.575 χ^2/NDF: 7168751.7/35

All: 3556.199+/-0.411 χ^2/NDF: 14713258.3/7

\- sign 3542.457+/-0.588 χ^2/NDF: 7543436.5/36

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1146.647+/-329.268 χ^2/NDF:24.2/19

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

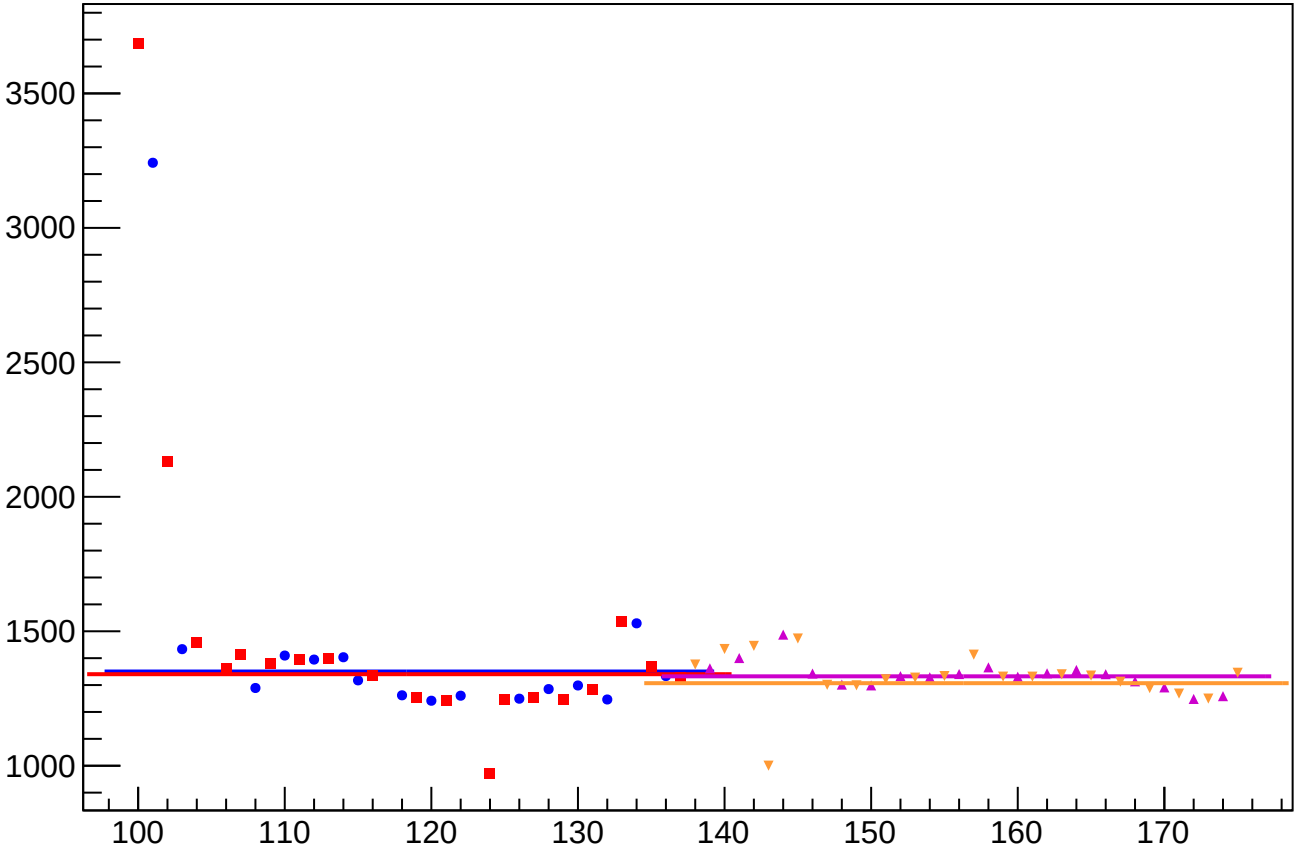
Left In: -2685.941+/-345.718 χ^2/NDF:23.3/17

+ sign 1578.456+/-276.865 χ^2/NDF: 39.4/35

All: -397.182+/-198.671 χ^2/NDF: 189.6/72

- sign -2494.303+/-285.250 χ^2/NDF: 45.2/36

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1307.012+/-0.233 χ^2/NDF:219373.0/19

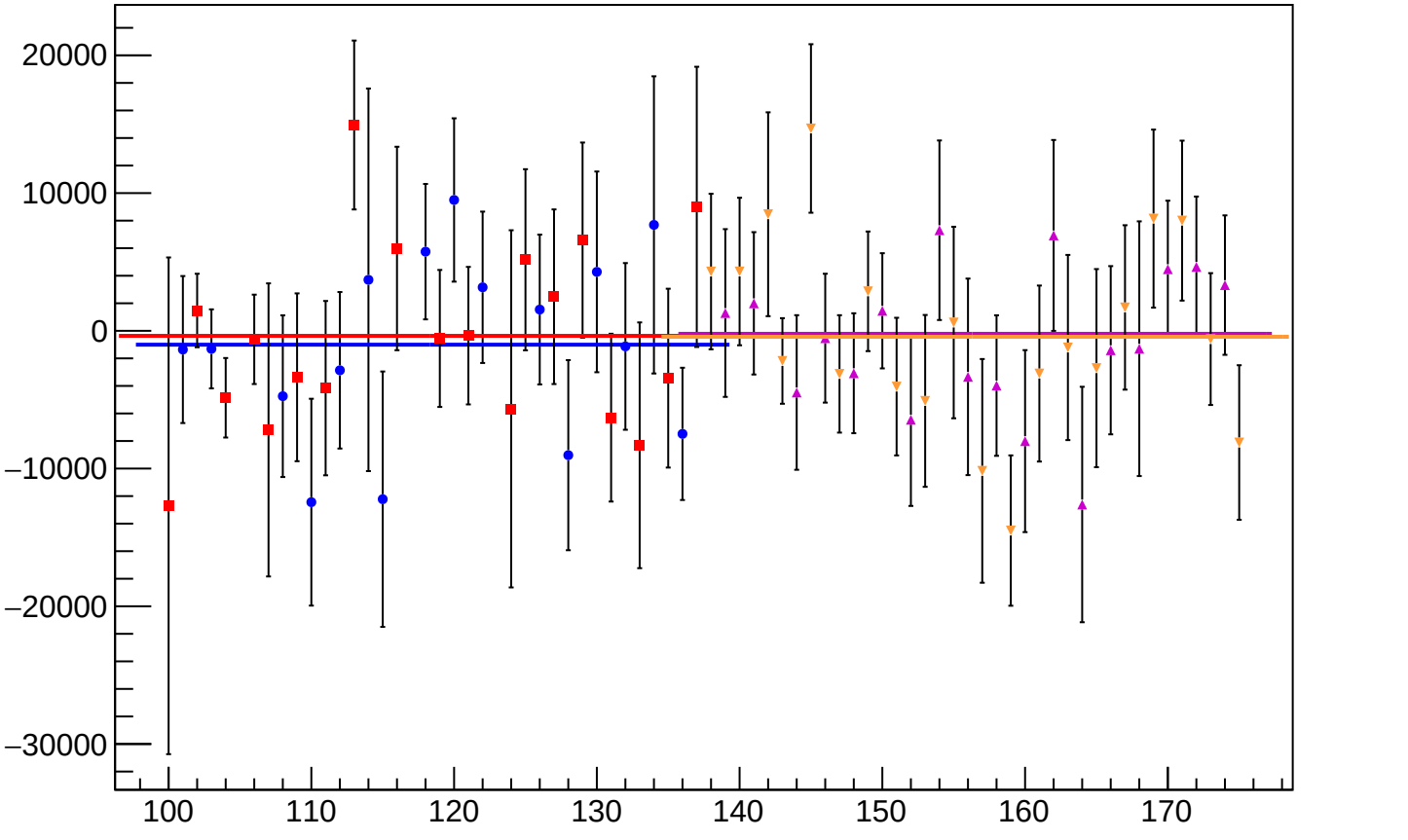
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1332.494+/-0.244 χ^2/NDF:43635.4/17

+ sign 1319.714+/-0.196 χ^2/NDF: 723583.9/35

All: 1327.145+/-0.140 χ^2/NDF: 1042708.6/72

- sign 1335.029+/-0.202 χ^2/NDF: 316155.6/36



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: -432.880+/-1211.737 χ^2/NDF:25.7/19

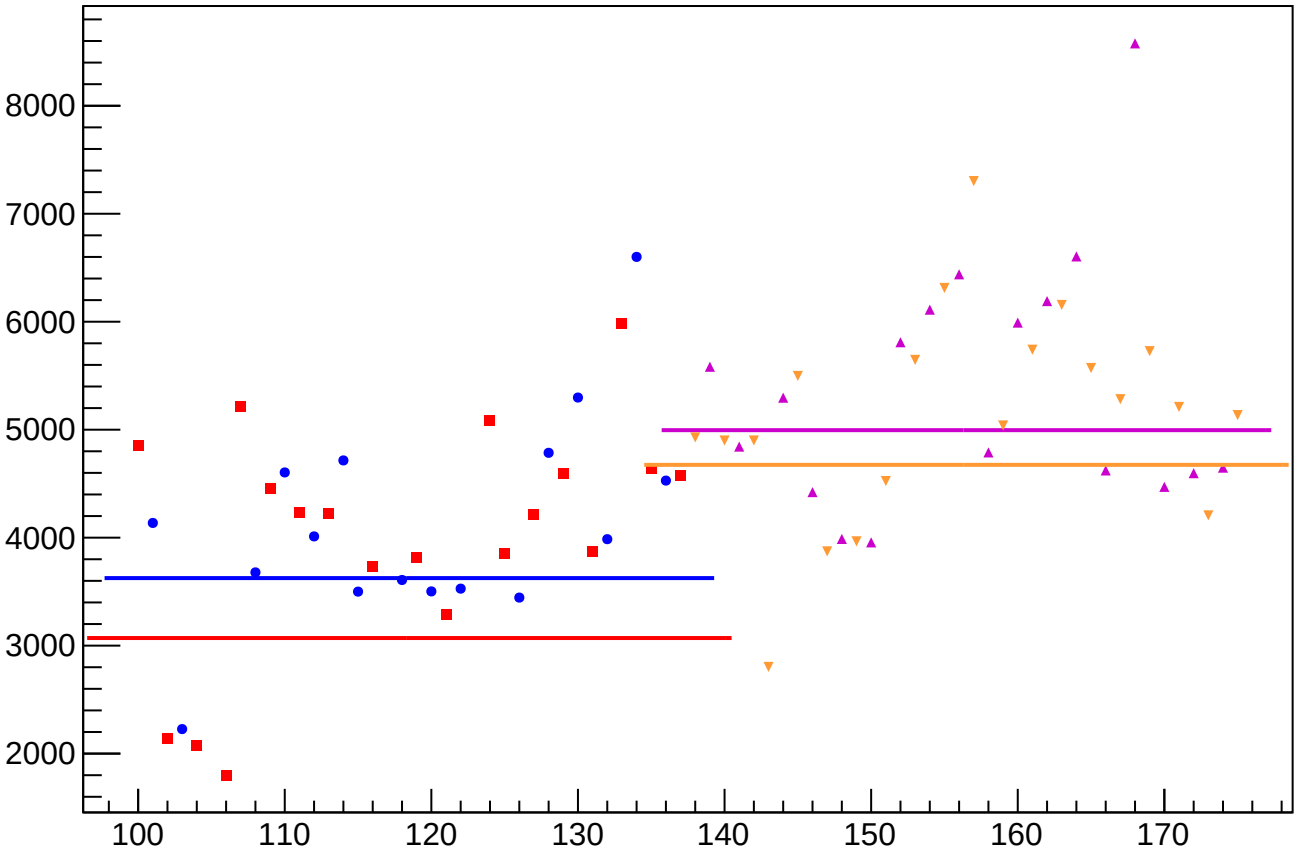
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -216.224+/-1321.542 χ^2/NDF:11.4/17

+ sign -677.770+/-917.459 χ^2/NDF: 40.4/35

All: -481.648+/-638.594 χ^2/NDF: 68.1/72

- sign -297.336+/-889.409 χ^2/NDF: 27.6/36



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4674.338+/-0.857 χ^2/NDF:1582560.6/19

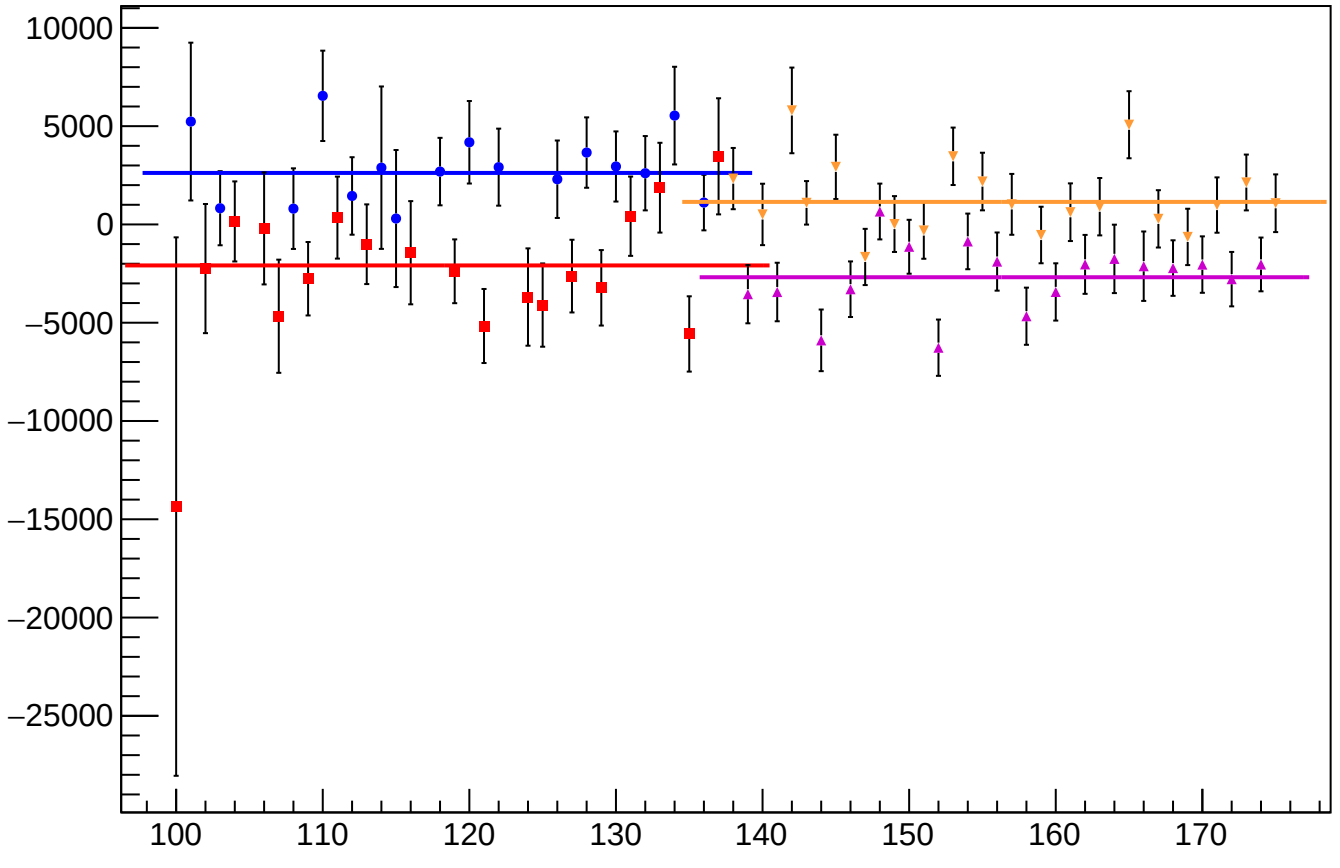
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4995.674+/-0.934 χ^2/NDF:991722.3/17

+ sign 4226.769+/-0.649 χ^2/NDF: 3166871.5/35

All: 4080.201+/-0.452 χ^2/NDF: 8418299.2/72

- sign 3942.458+/-0.629 χ^2/NDF: 5152415.1/36



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1146.642+/-329.268 χ^2/NDF:24.2/19

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

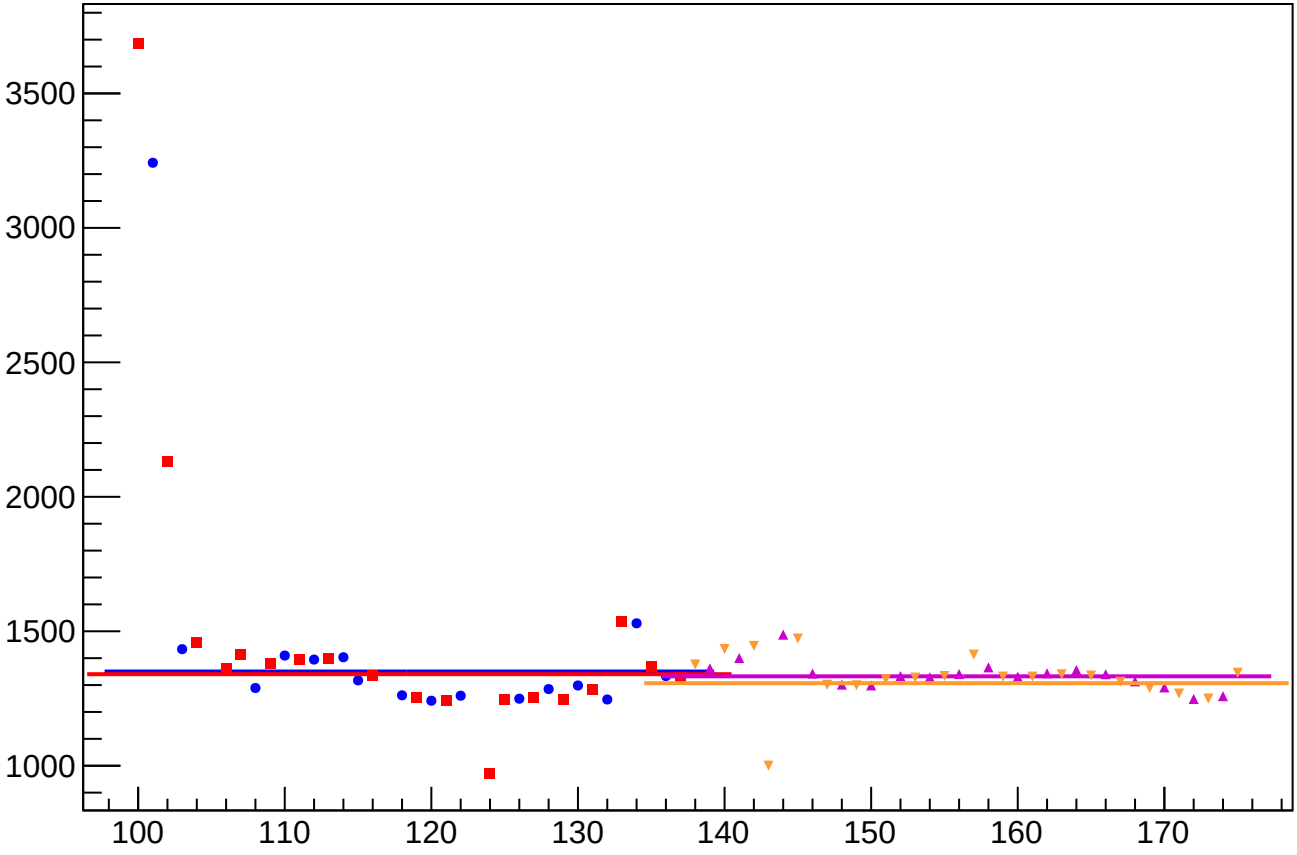
Left In: -2685.942+/-345.718 χ^2/NDF:23.3/17

+ sign 1578.453+/-276.865 χ^2/NDF: 39.4/35

All: -397.184+/-198.671 χ^2/NDF: 189.6/72

- sign -2494.304+/-285.250 χ^2/NDF: 45.2/36

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1307.012+/-0.233 χ^2/NDF:219374.3/19

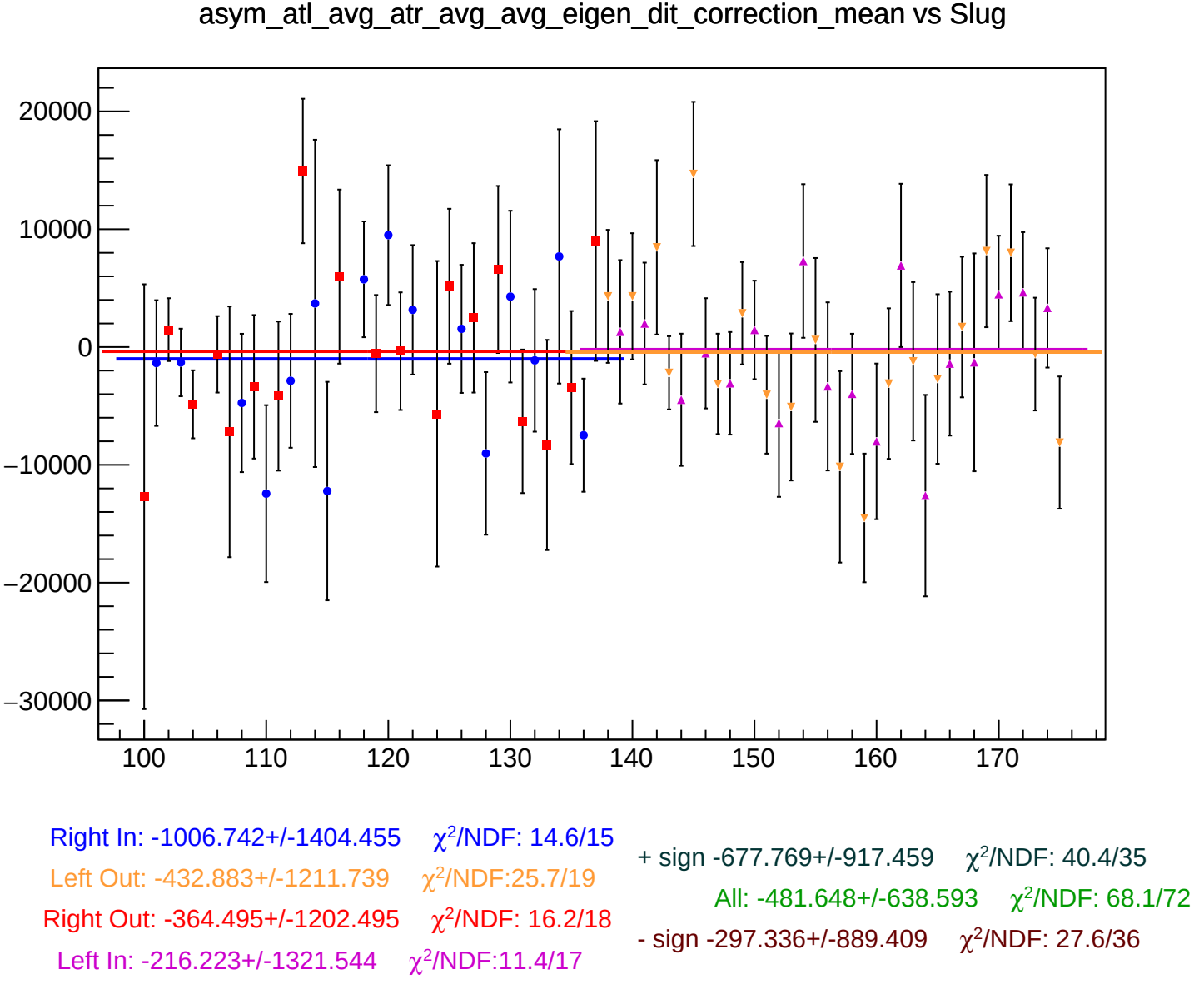
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

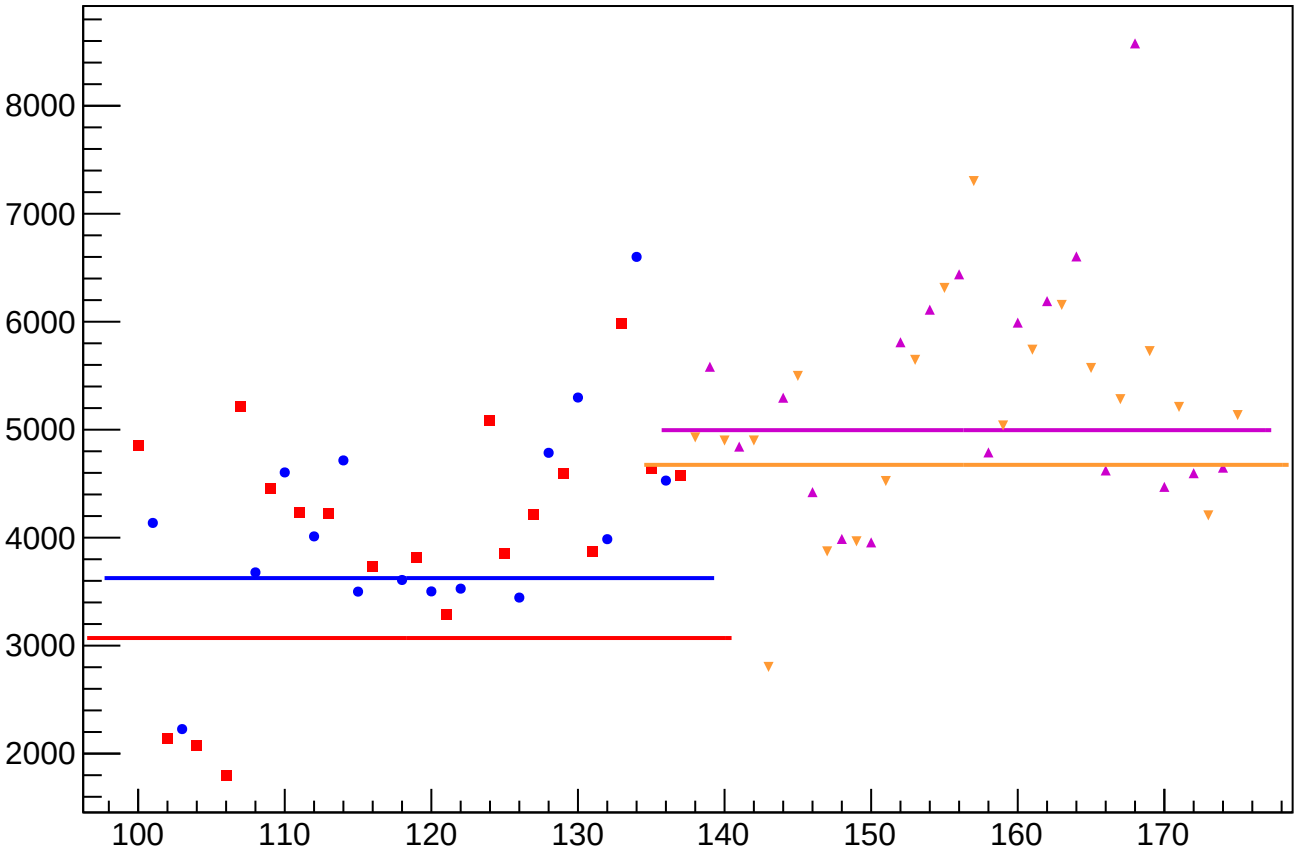
Left In: 1332.495+/-0.244 χ^2/NDF:43636.8/17

+ sign 1319.715+/-0.196 χ^2/NDF: 723584.7/35

All: 1327.145+/-0.140 χ^2/NDF: 1042709.6/72

- sign 1335.029+/-0.202 χ^2/NDF: 316155.8/36


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: -432.883+/-1211.739 χ²/NDF:25.7/19
Right Out: -364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: -216.223+/-1321.544 χ²/NDF:11.4/17
+ sign -677.769+/-917.459 χ²/NDF: 40.4/35
All: -481.648+/-638.593 χ²/NDF: 68.1/72
- sign -297.336+/-889.409 χ²/NDF: 27.6/36



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4674.346+/-0.857 χ^2/NDF:1582560.8/19

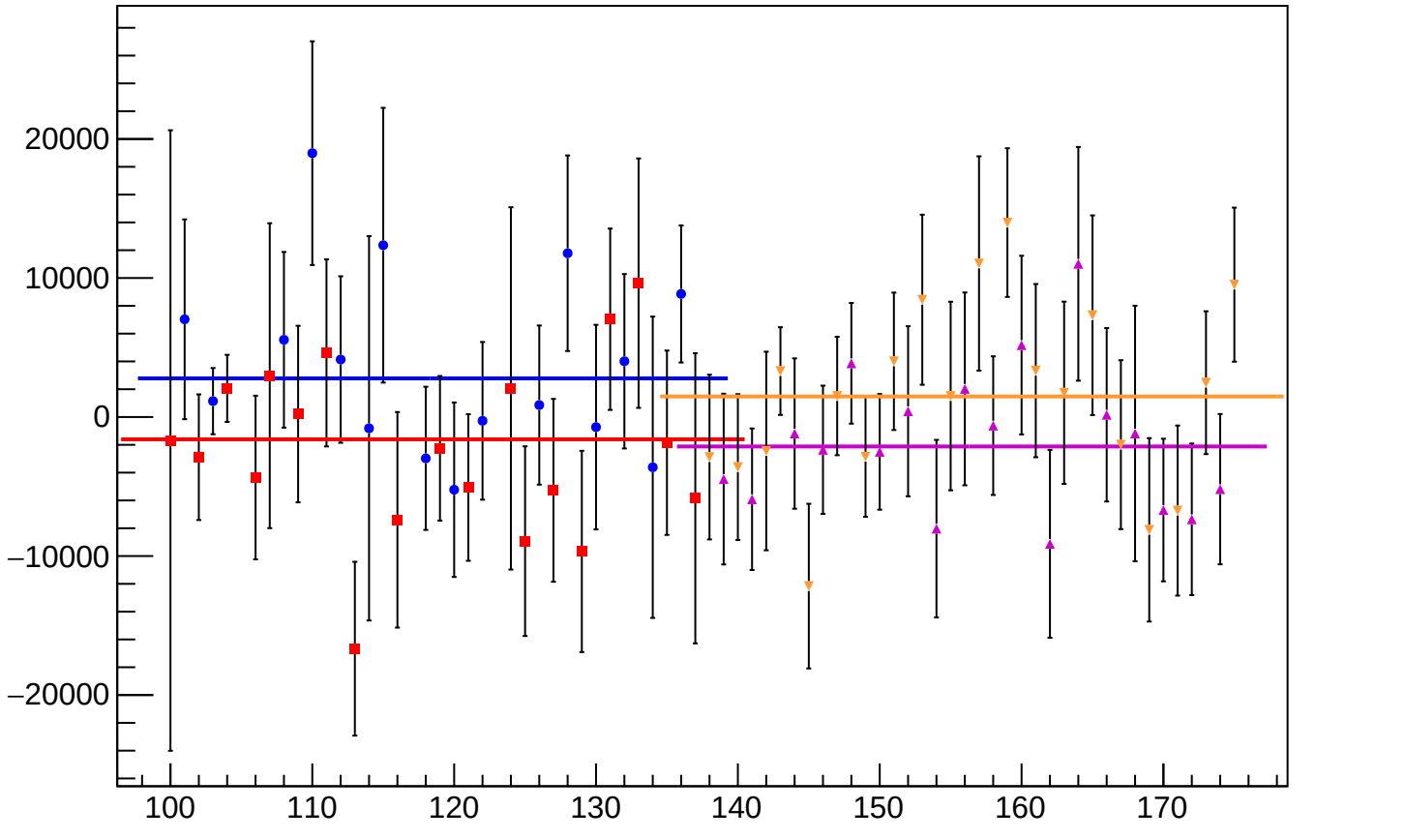
Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 4995.681+/-0.934 χ^2/NDF:991723.9/17

+ sign 4226.768+/-0.649 χ^2/NDF: 3166895.1/35

All: 4080.198+/-0.452 χ^2/NDF: 8418370.0/72

- sign 3942.453+/-0.629 χ^2/NDF: 5152459.7/36



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1480.062+/-1213.645 χ^2/NDF:24.1/19

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

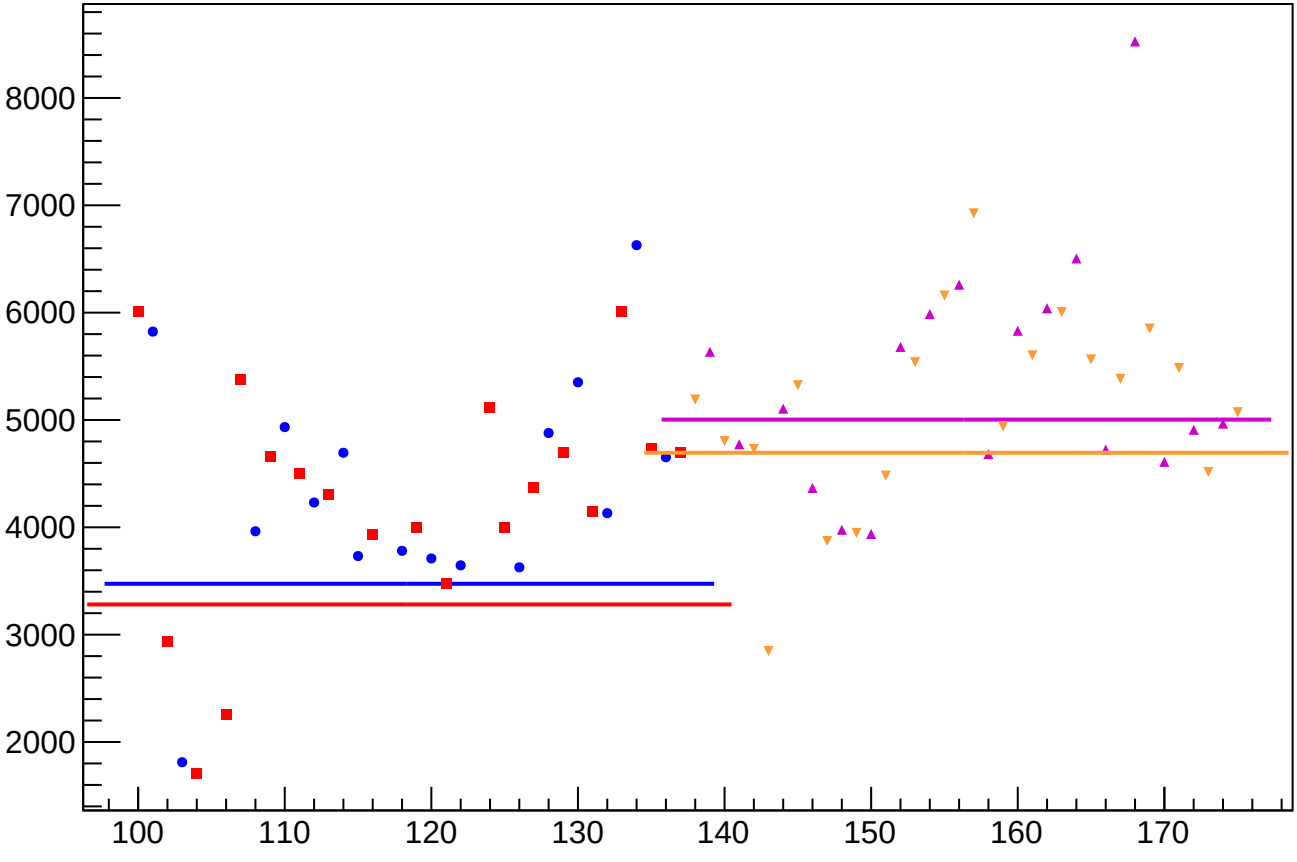
Left In: -2118.765+/-1321.105 χ^2/NDF:11.1/17

+ sign 2043.021+/-914.050 χ^2/NDF: 37.8/35

All: 143.743+/-655.224 χ^2/NDF: 74.7/72

- sign -1863.785+/-939.738 χ^2/NDF: 28.0/36

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4694.612+/-0.858 χ^2/NDF:1447996.2/19

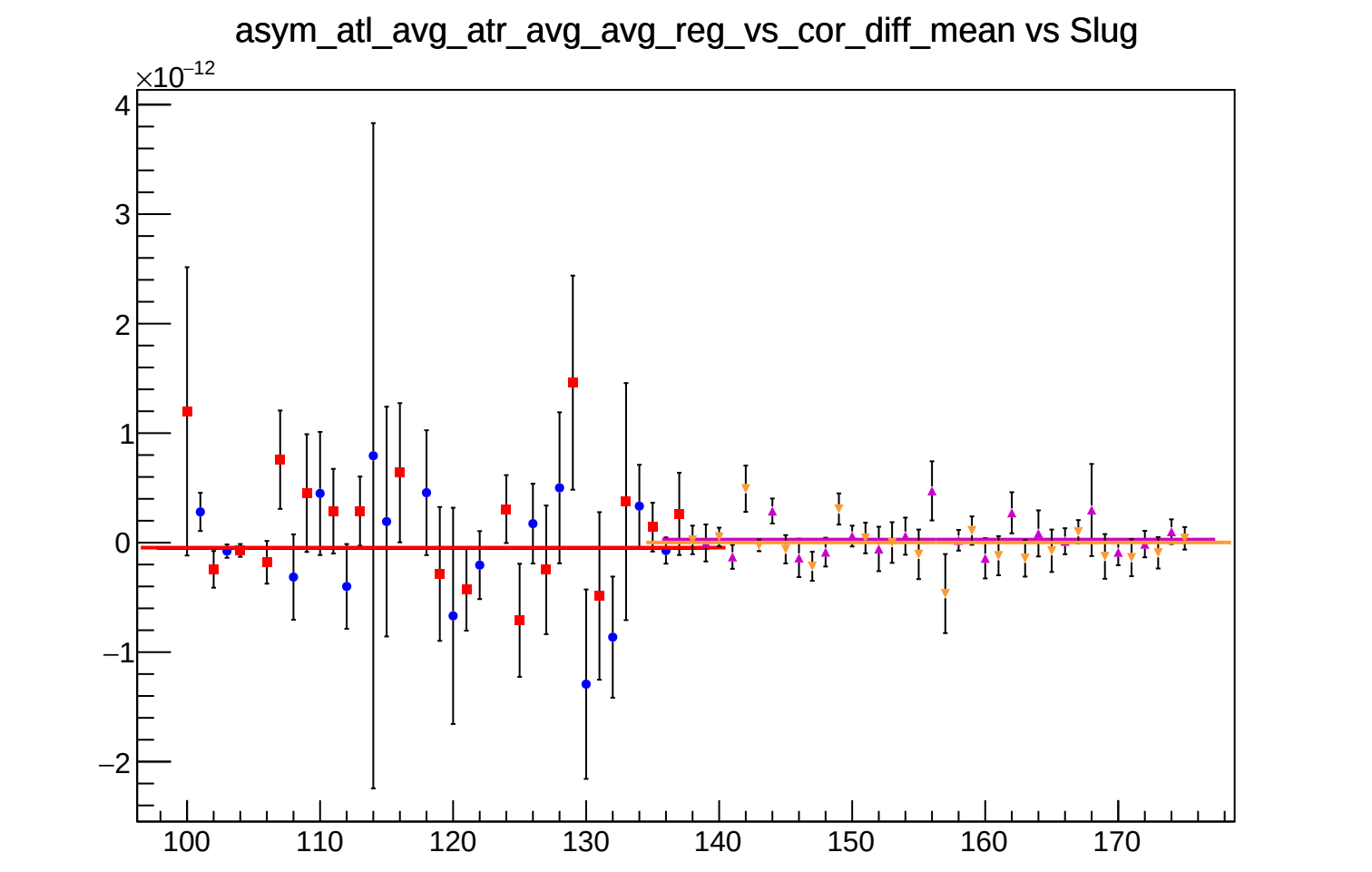
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

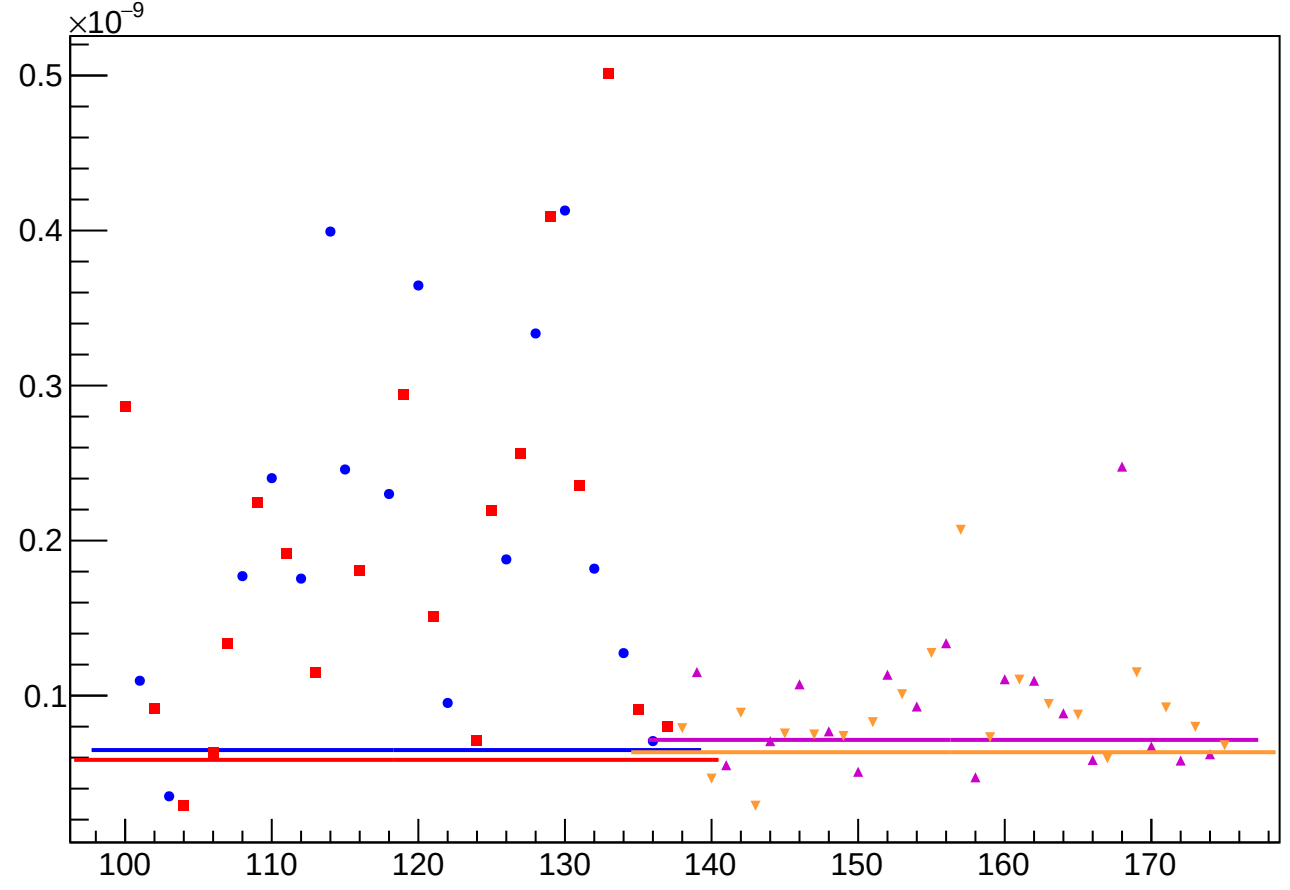
Left In: 5003.589+/-0.934 χ^2/NDF:907278.8/17

+ sign 4166.314+/-0.646 χ^2/NDF: 4167627.7/35

All: 4153.919+/-0.462 χ^2/NDF: 8653401.8/72

- sign 4140.995+/-0.660 χ^2/NDF: 4485022.7/36


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:20.1/19
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:16.6/17
+ sign -0.000+/-0.000 χ²/NDF: 34.6/35
All: -0.000+/-0.000 χ²/NDF: 71.6/72
- sign 0.000+/-0.000 χ²/NDF: 36.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2097566.0/19

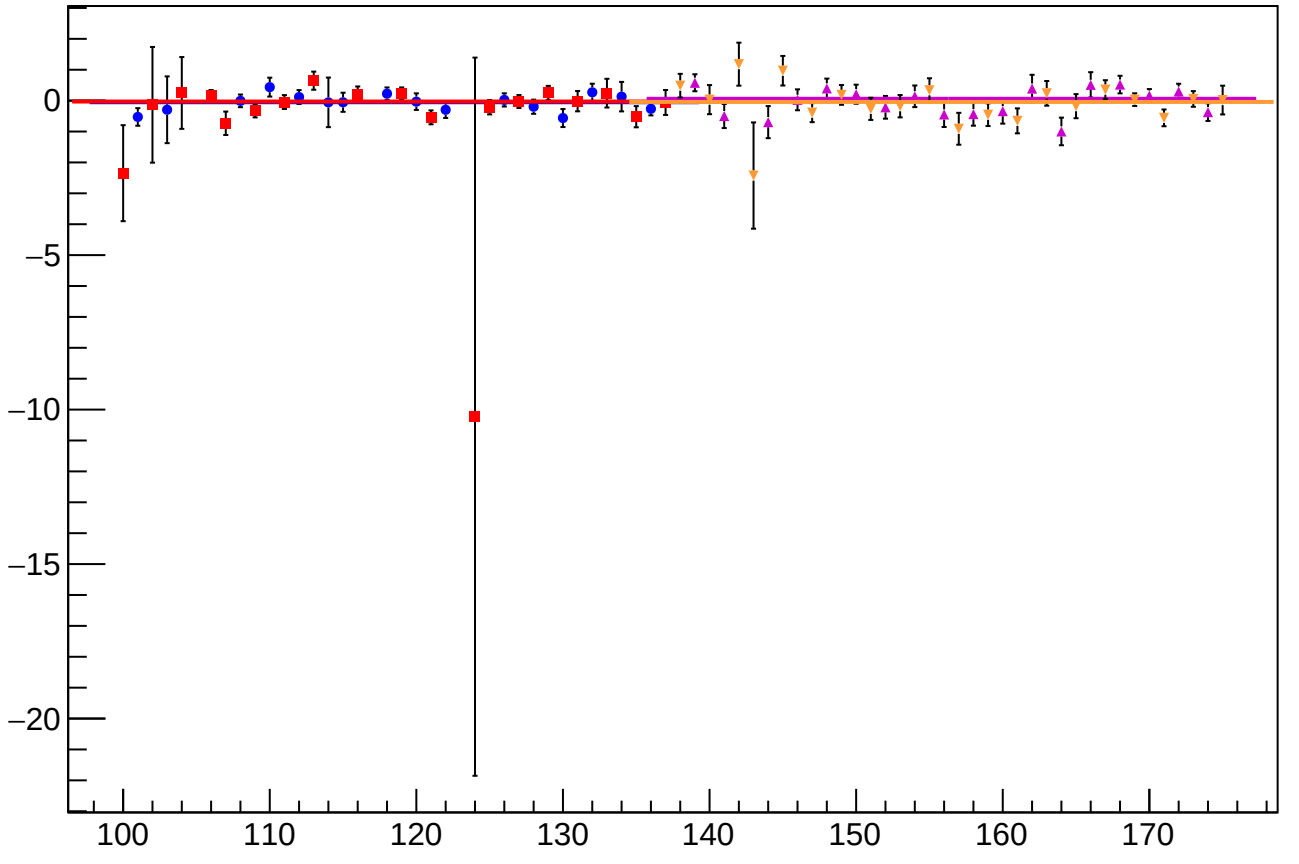
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1316931.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 4691708.2/35

All: 0.000+/-0.000 χ^2/NDF: 8983344.3/72

- sign 0.000+/-0.000 χ^2/NDF: 4272333.0/36



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.042+/-0.079 χ^2/NDF:27.3/19

Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

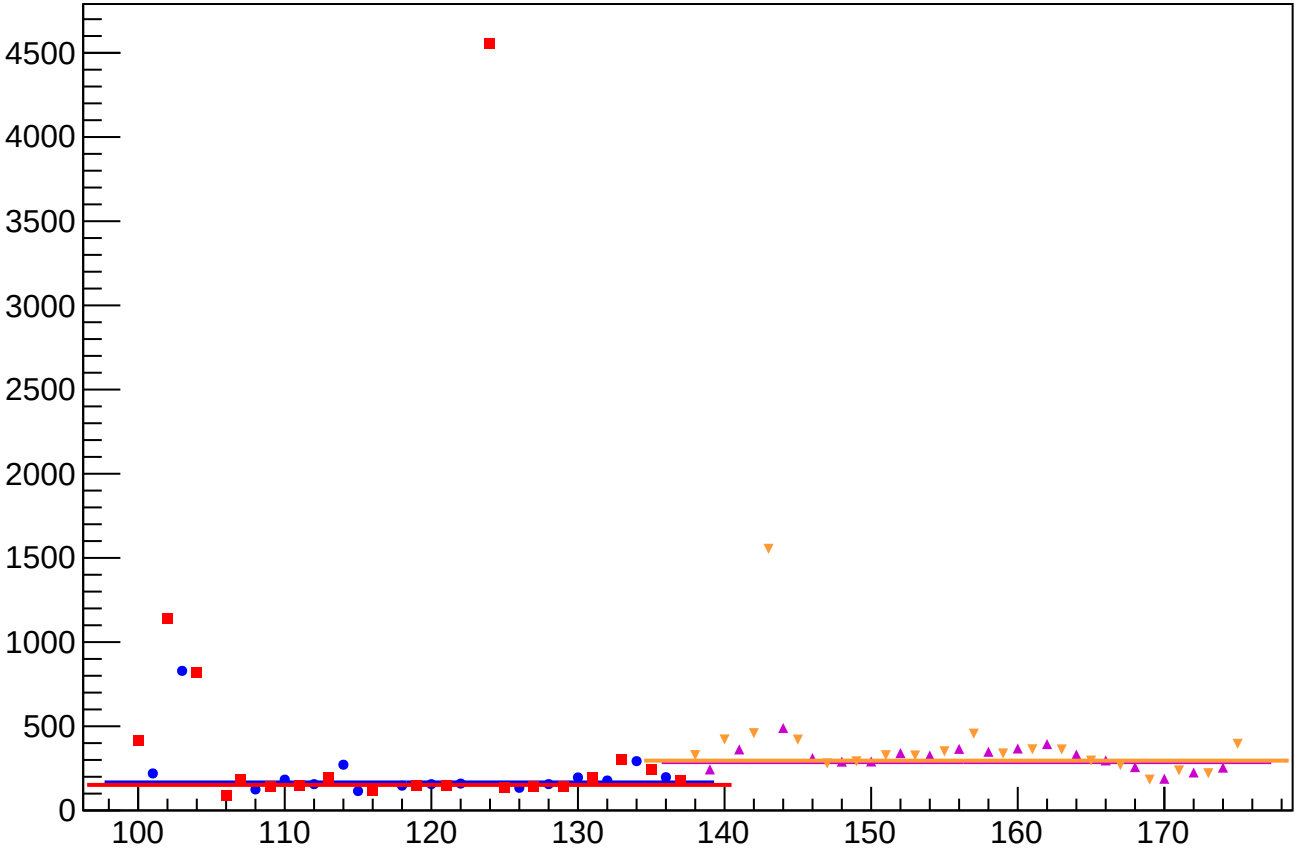
Left In: 0.059+/-0.078 χ^2/NDF:27.3/17

+ sign -0.047+/-0.051 χ^2/NDF: 42.1/35

All: -0.019+/-0.036 χ^2/NDF: 98.4/72

- sign 0.007+/-0.049 χ^2/NDF: 55.6/36

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 295.930+/-0.056 χ^2/NDF:2860859.9/19

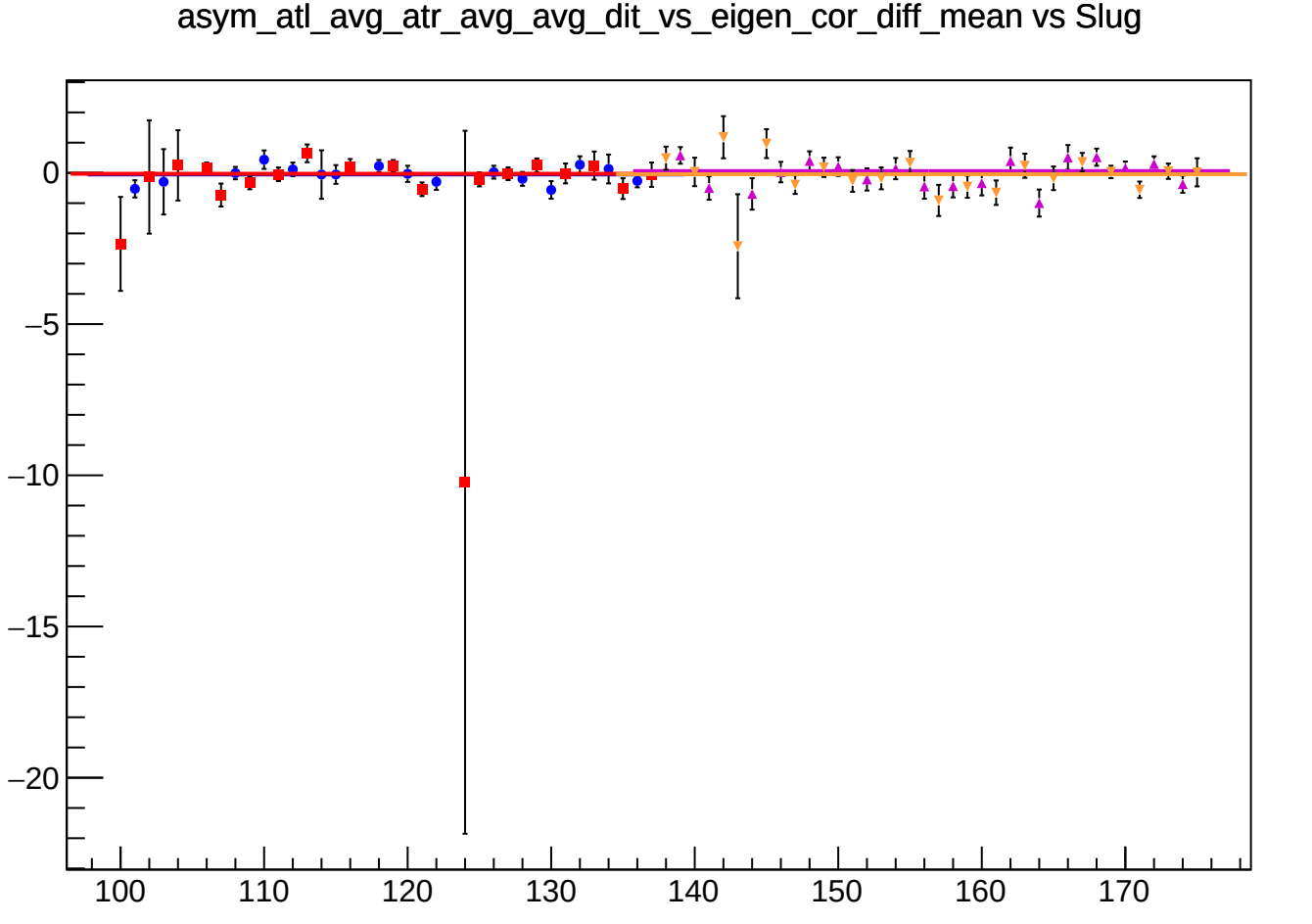
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 287.162+/-0.055 χ^2/NDF:1449562.2/17

+ sign 220.068+/-0.036 χ^2/NDF: 7269368.3/35

All: 213.103+/-0.025 χ^2/NDF: 14725853.3/72

- sign 206.584+/-0.035 χ^2/NDF: 7384433.8/36



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.042+/-0.079 χ^2/NDF:27.3/19

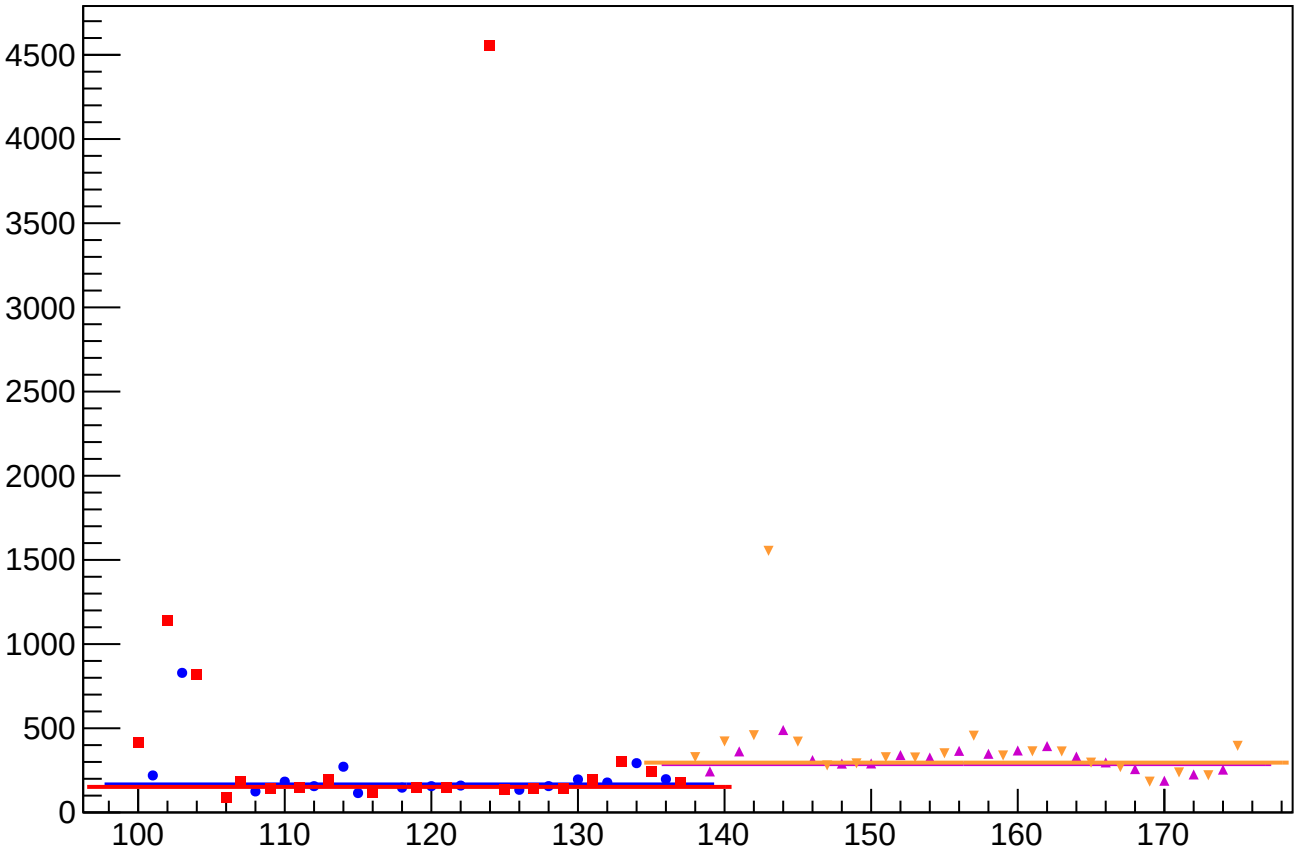
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.059+/-0.078 χ^2/NDF:27.3/17

+ sign -0.047+/-0.051 χ^2/NDF: 42.1/35

All: -0.019+/-0.036 χ^2/NDF: 98.4/72

- sign 0.007+/-0.049 χ^2/NDF: 55.6/36



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 295.930+/-0.056 χ^2/NDF:2860859.9/19

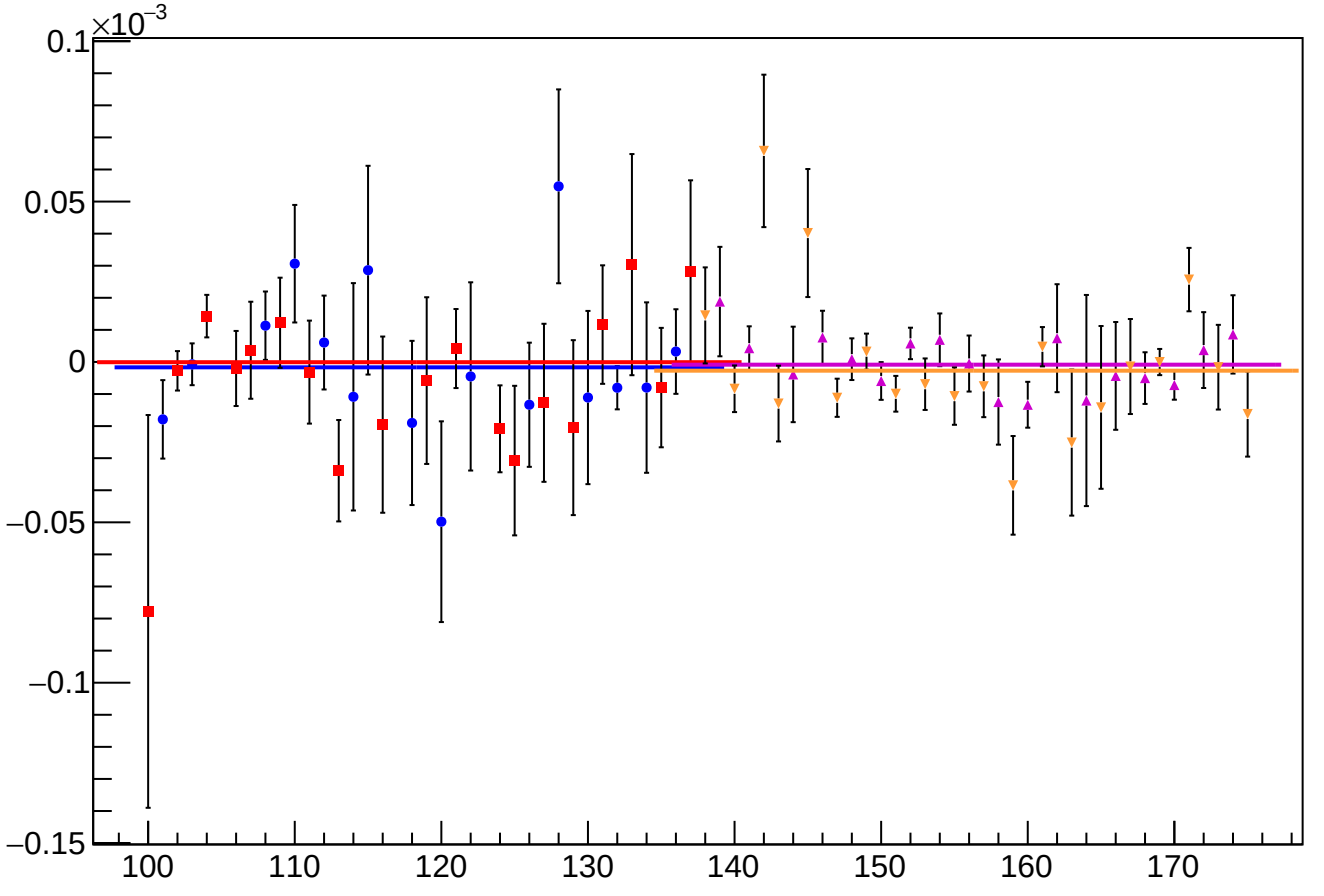
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 287.162+/-0.055 χ^2/NDF:1449562.2/17

+ sign 220.068+/-0.036 χ^2/NDF: 7269368.3/35

All: 213.103+/-0.025 χ^2/NDF: 14725853.3/72

- sign 206.584+/-0.035 χ^2/NDF: 7384433.8/36



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.5/19

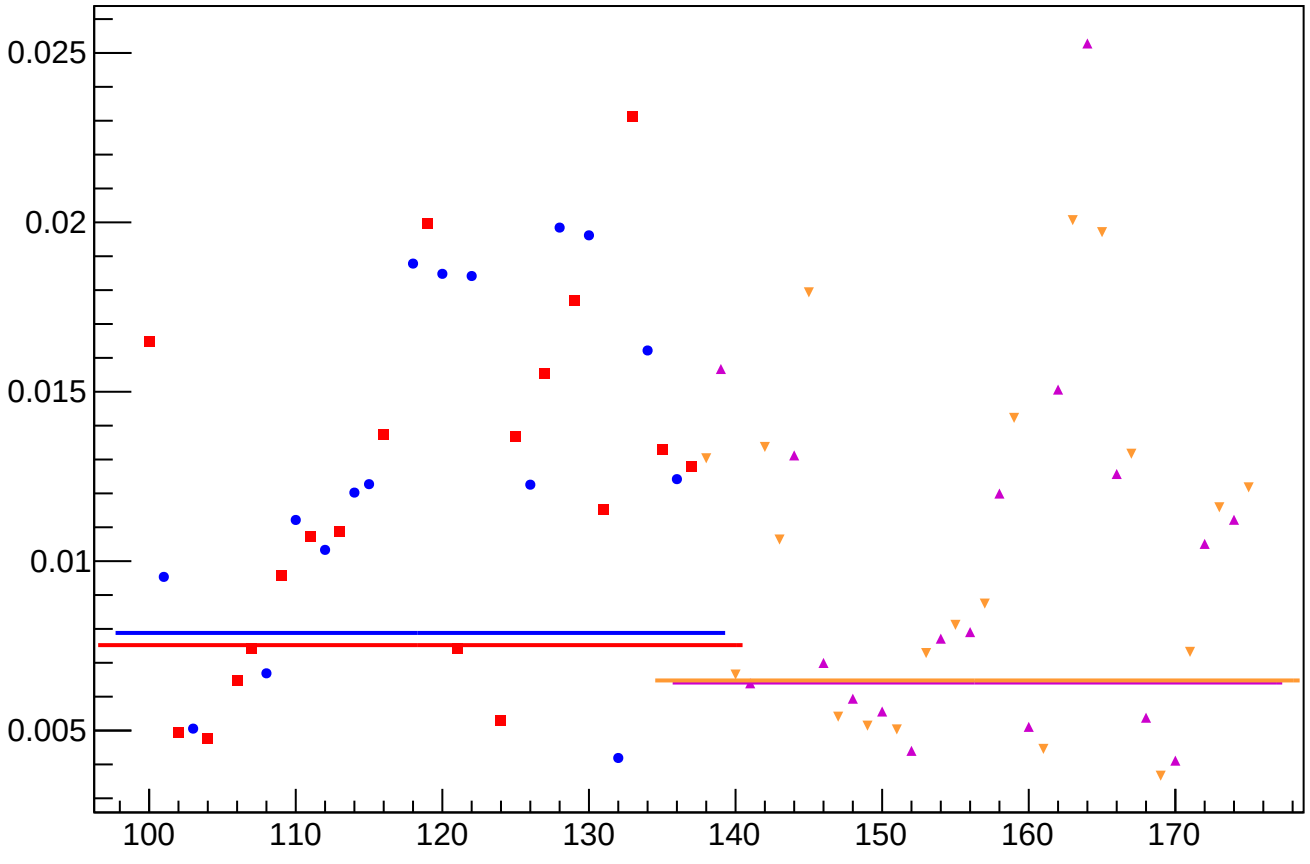
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:13.7/17

+ sign -0.000+/-0.000 χ^2/NDF: 55.1/35

All: -0.000+/-0.000 χ^2/NDF: 89.3/72

- sign -0.000+/-0.000 χ^2/NDF: 33.6/36



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:5989767.1/19

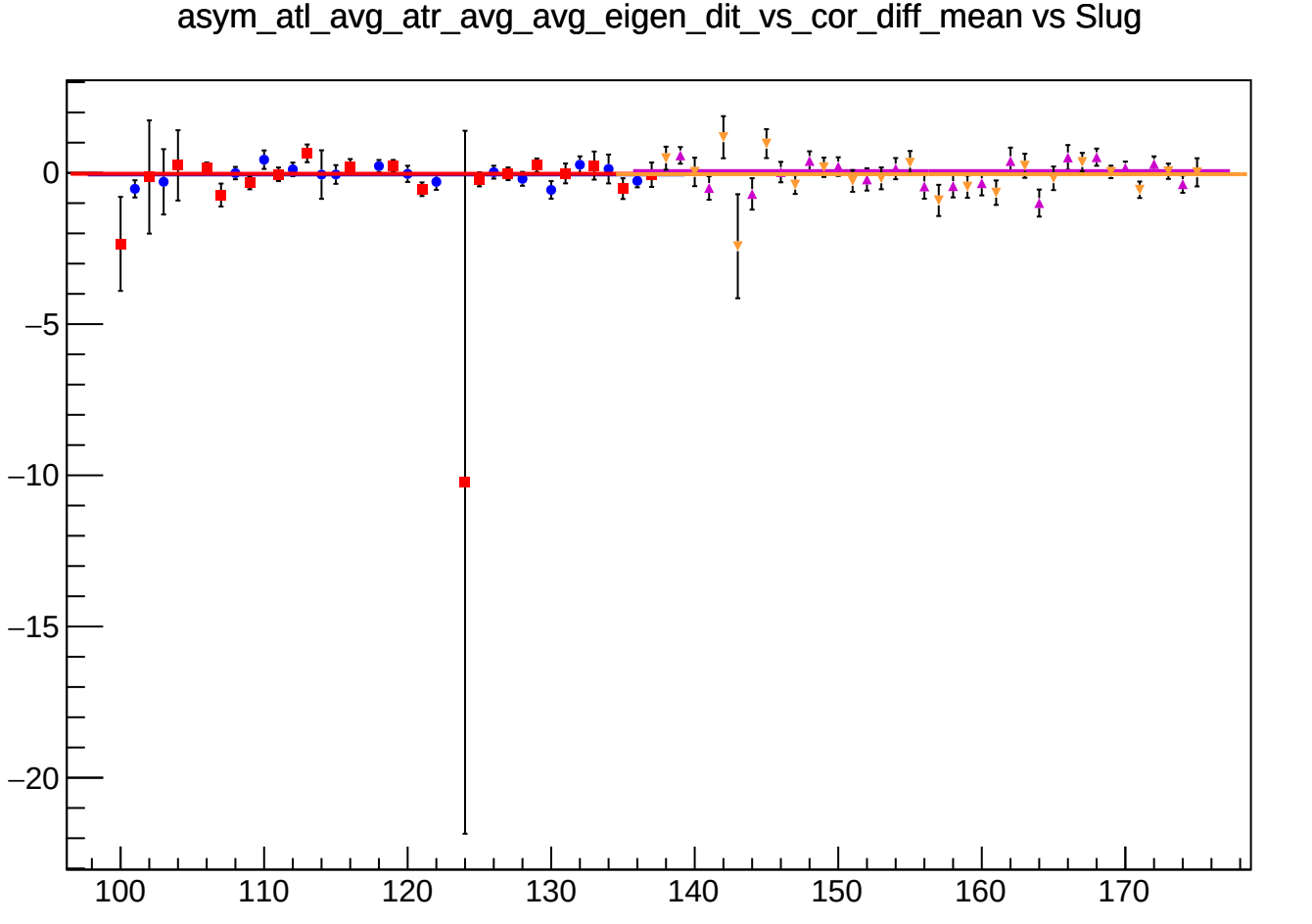
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.006+/-0.000 χ^2/NDF:4466135.6/17

+ sign 0.007+/-0.000 χ^2/NDF: 9552874.7/35

All: 0.007+/-0.000 χ^2/NDF: 17178748.9/72

- sign 0.007+/-0.000 χ^2/NDF: 7622816.8/36



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.042+/-0.079 χ^2/NDF:27.3/19

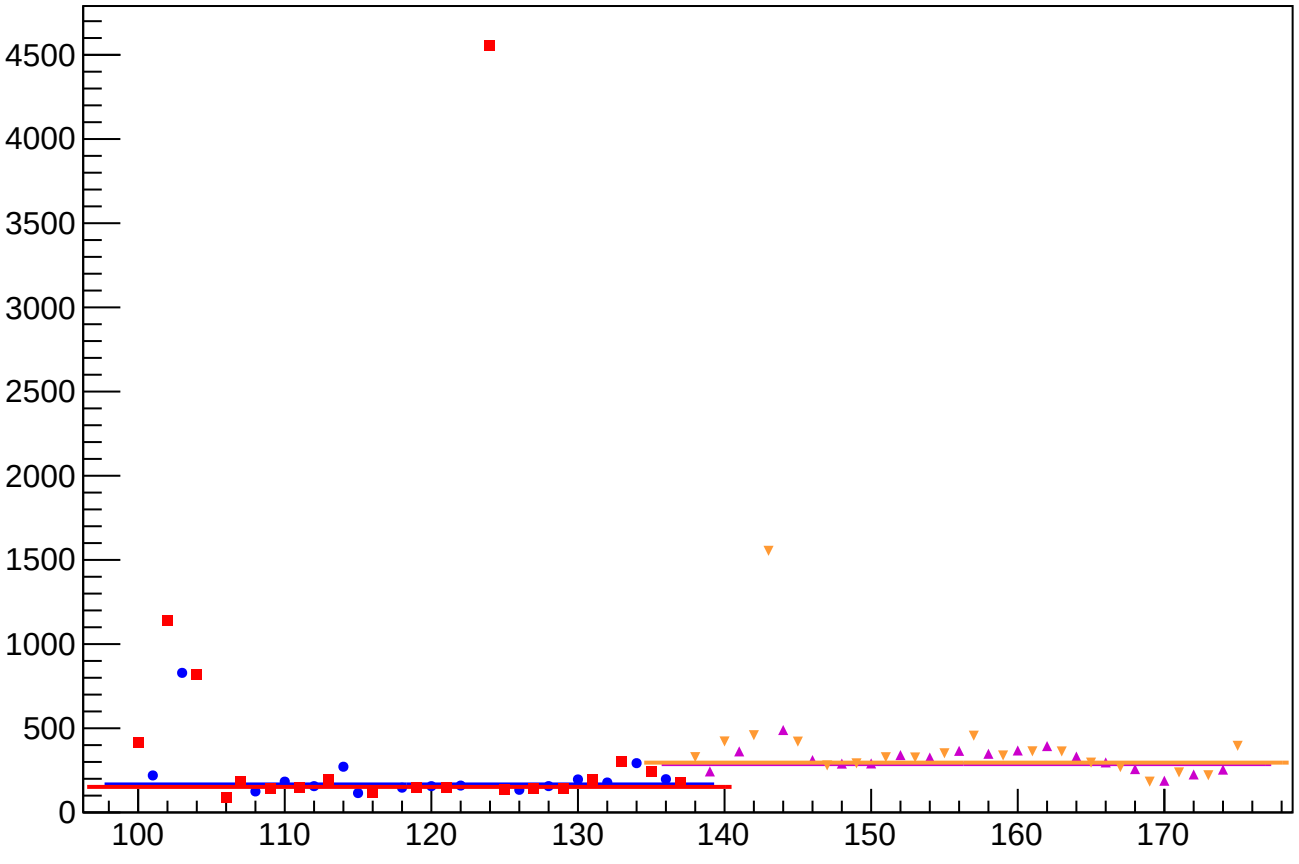
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.059+/-0.078 χ^2/NDF:27.3/17

+ sign -0.047+/-0.051 χ^2/NDF: 42.1/35

All: -0.019+/-0.036 χ^2/NDF: 98.4/72

- sign 0.007+/-0.049 χ^2/NDF: 55.6/36



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 295.930+/-0.056 χ^2/NDF:2861017.4/19

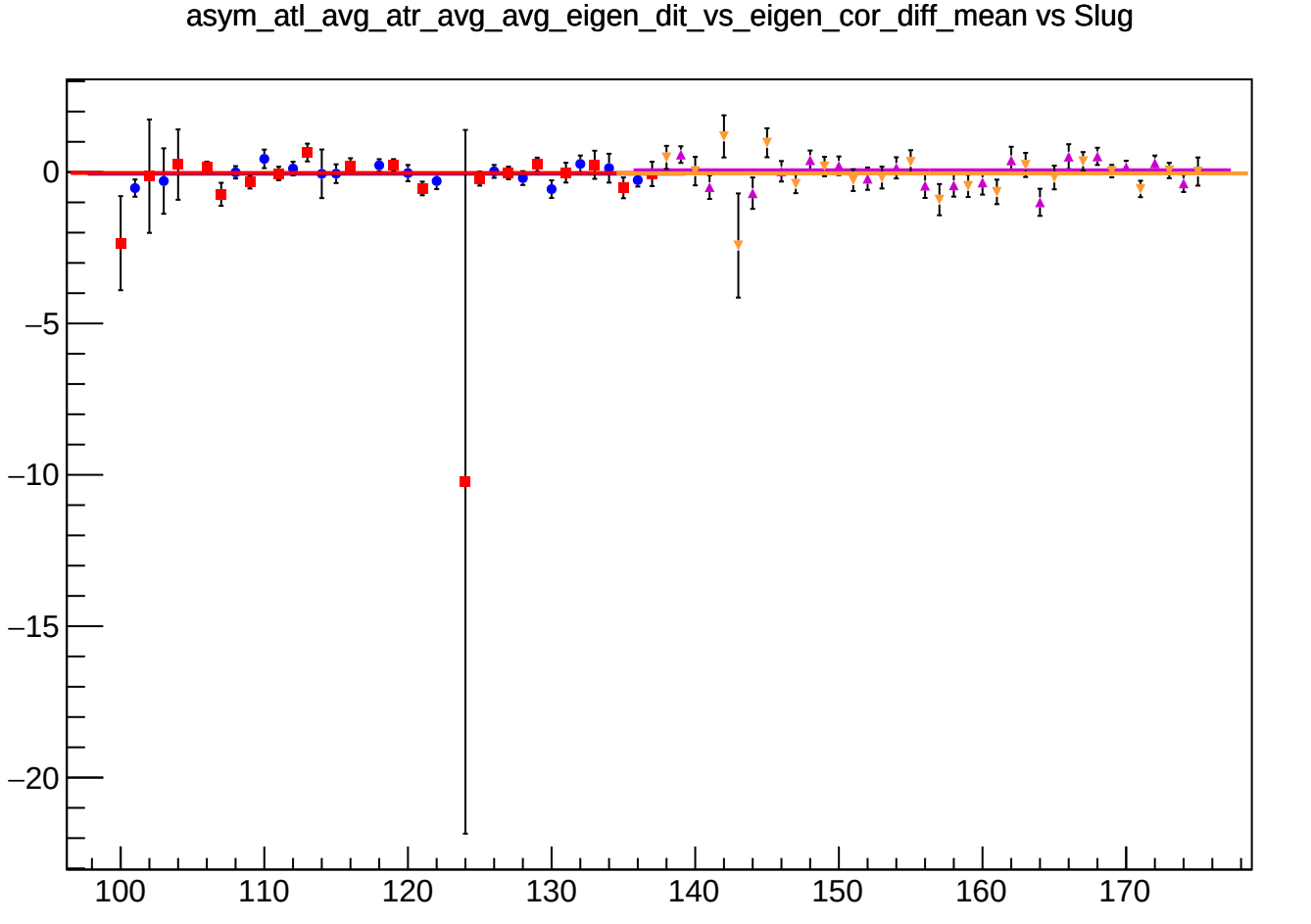
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 287.163+/-0.055 χ^2/NDF:1449666.8/17

+ sign 220.067+/-0.036 χ^2/NDF: 7269554.6/35

All: 213.102+/-0.025 χ^2/NDF: 14726275.5/72

- sign 206.583+/-0.035 χ^2/NDF: 7384665.7/36



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.042+/-0.079 χ^2/NDF:27.3/19

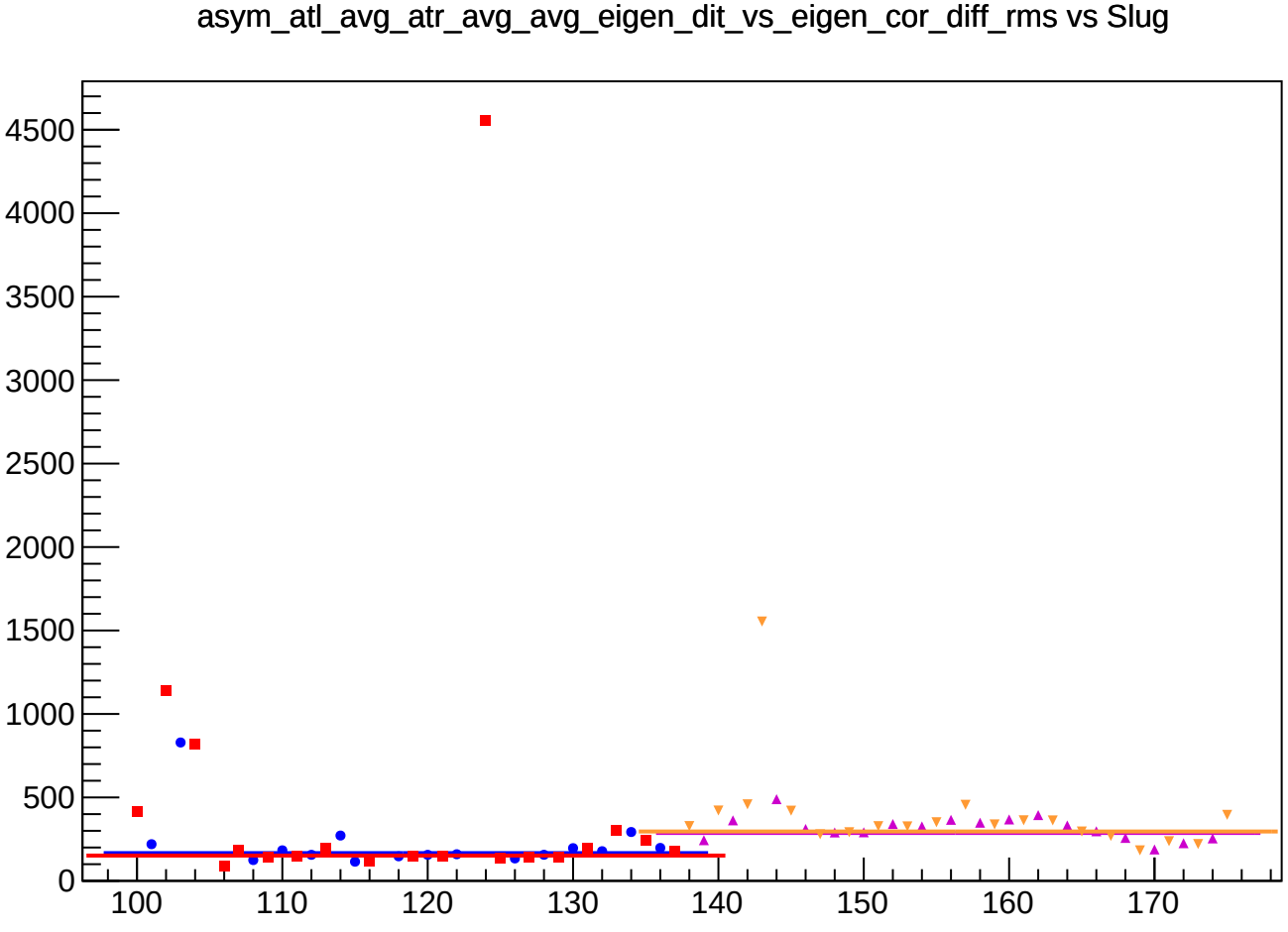
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

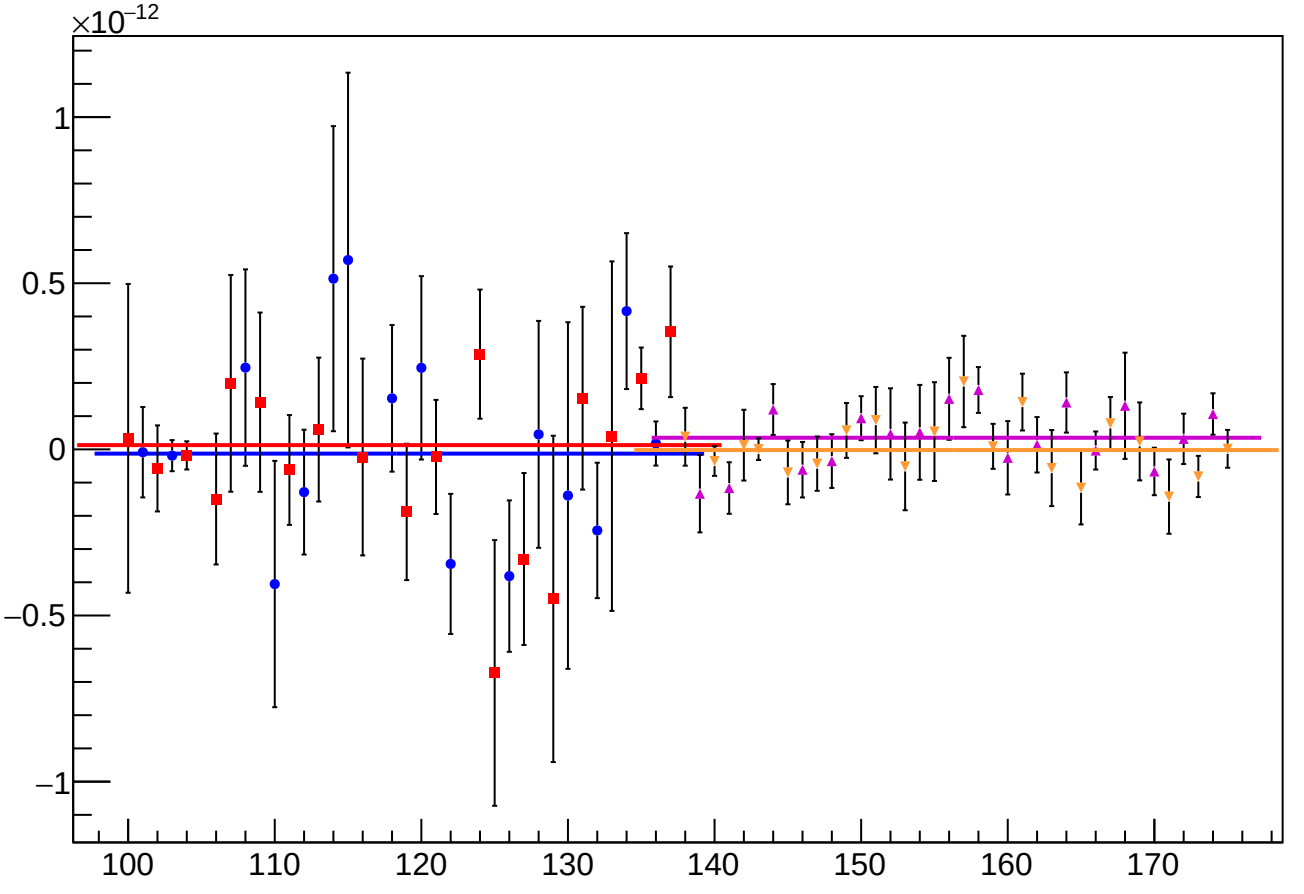
Left In: 0.059+/-0.078 χ^2/NDF:27.3/17

+ sign -0.047+/-0.051 χ^2/NDF: 42.1/35

All: -0.019+/-0.036 χ^2/NDF: 98.4/72

- sign 0.007+/-0.049 χ^2/NDF: 55.6/36


asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
Right In: 166.359+/-0.047 χ²/NDF: 1282724.2/15
Left Out: 295.930+/-0.056 χ²/NDF:2861017.4/19
Right Out: 151.790+/-0.045 χ²/NDF: 2315641.8/18
Left In: 287.163+/-0.055 χ²/NDF:1449666.8/17
+ sign 220.067+/-0.036 χ²/NDF: 7269554.6/35
All: 213.102+/-0.025 χ²/NDF: 14726275.5/72
- sign 206.583+/-0.035 χ²/NDF: 7384665.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.8/19

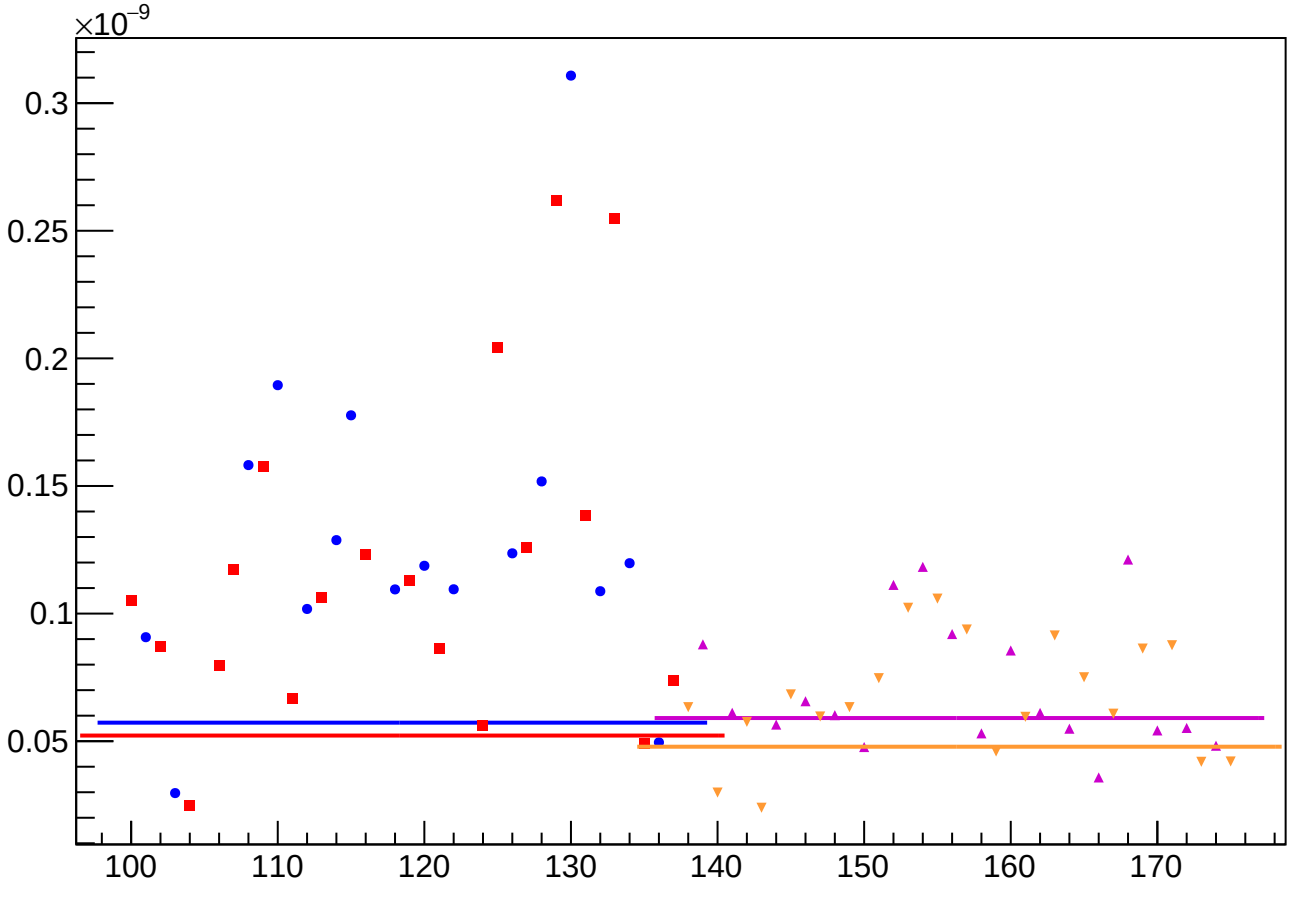
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:21.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 30.1/35

All: 0.000+/-0.000 χ^2/NDF: 72.7/72

- sign 0.000+/-0.000 χ^2/NDF: 40.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3706776.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

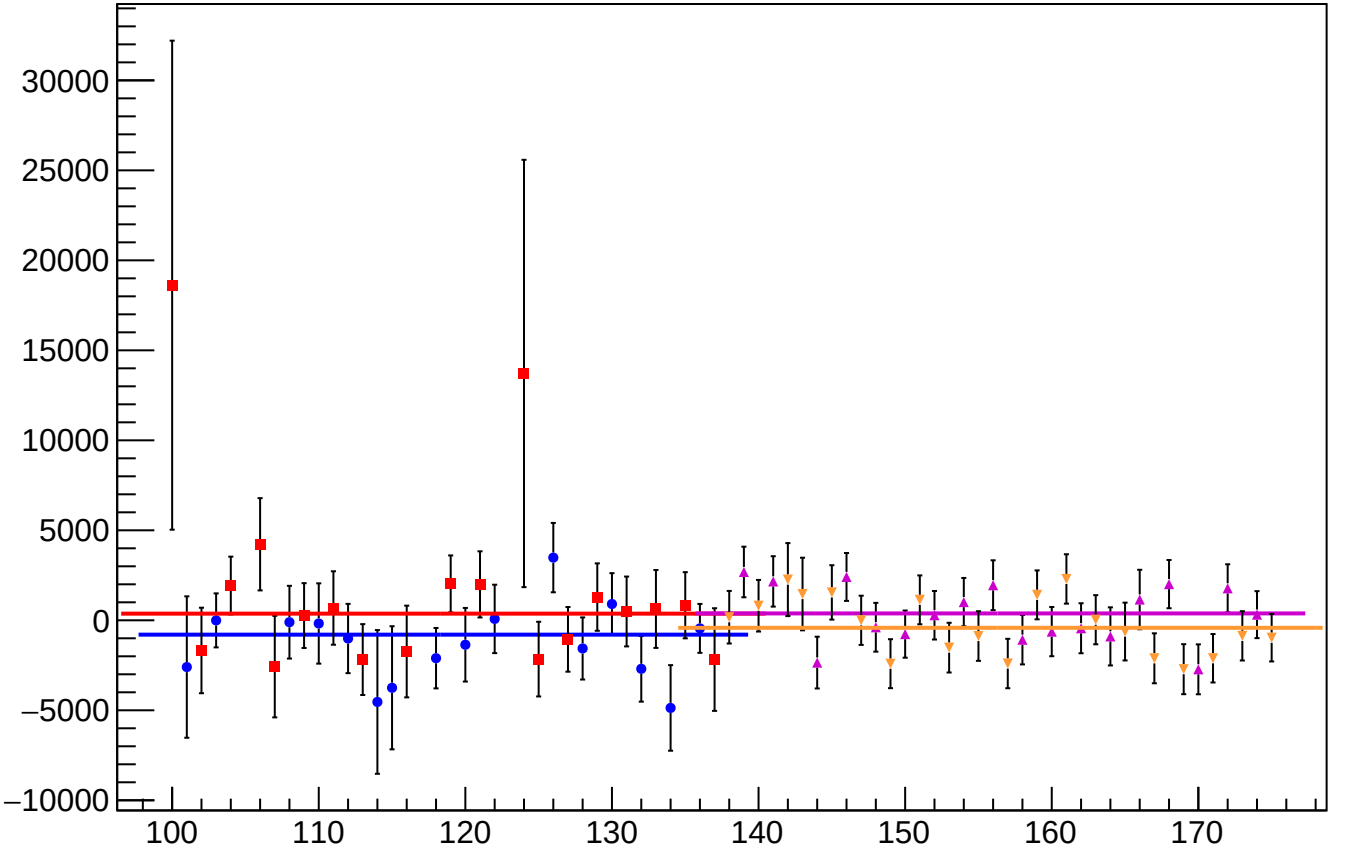
Left In: 0.000+/-0.000 χ^2/NDF:1817489.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 6821187.8/35

All: 0.000+/-0.000 χ^2/NDF: 12222297.1/72

- sign 0.000+/-0.000 χ^2/NDF: 5173920.4/36

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -417.294+/-319.809 χ^2/NDF:23.5/19

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

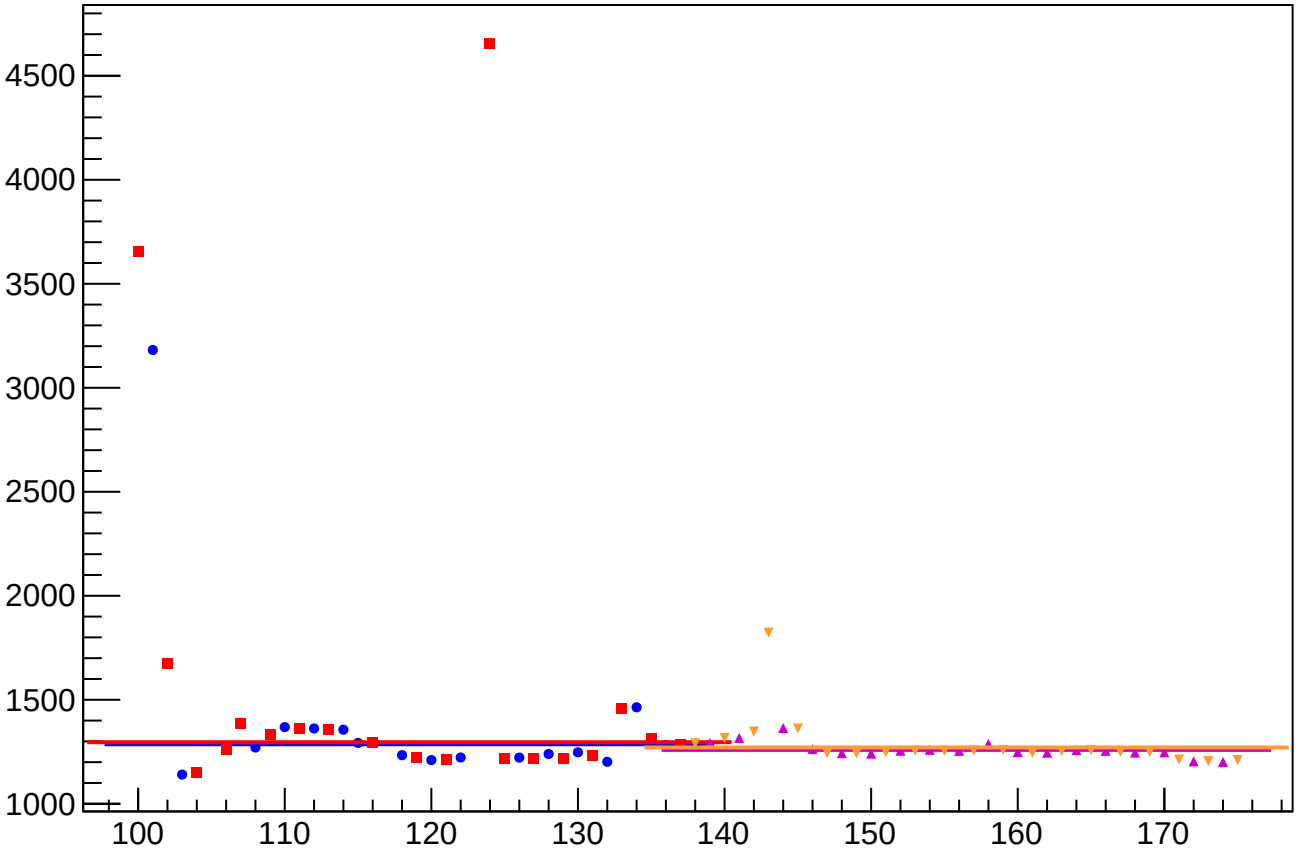
Left In: 382.635+/-326.503 χ^2/NDF:23.3/17

+ sign -531.639+/-267.396 χ^2/NDF: 37.4/35

All: -82.544+/-190.336 χ^2/NDF: 82.0/72

- sign 378.707+/-270.991 χ^2/NDF: 38.9/36

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

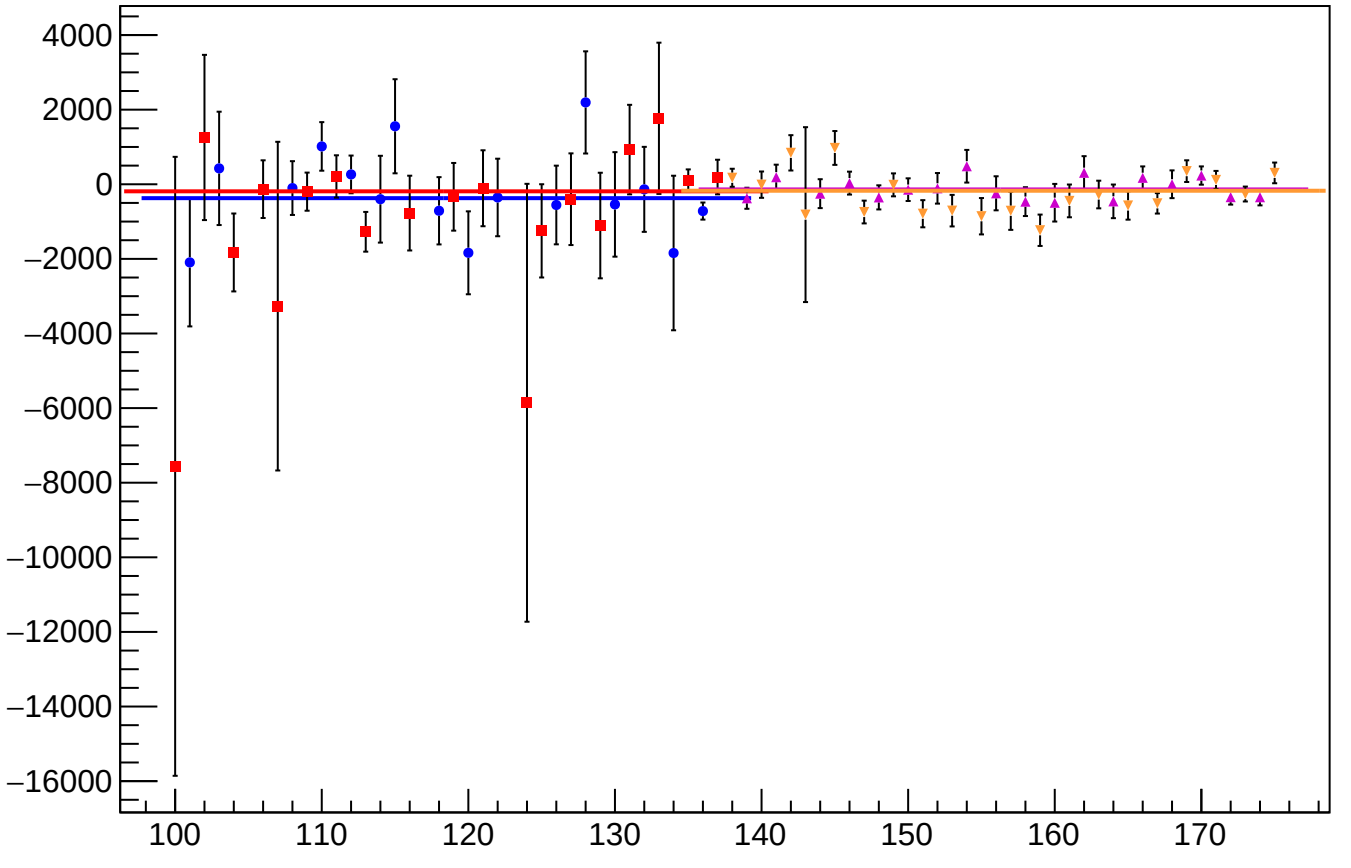
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

+ sign 1275.301+/-0.189 χ^2/NDF: 699535.4/35

All: 1272.944+/-0.135 χ^2/NDF: 1060692.4/72

- sign 1270.524+/-0.192 χ^2/NDF: 360842.1/36



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -173.360+/-74.015 χ^2/NDF:41.9/19

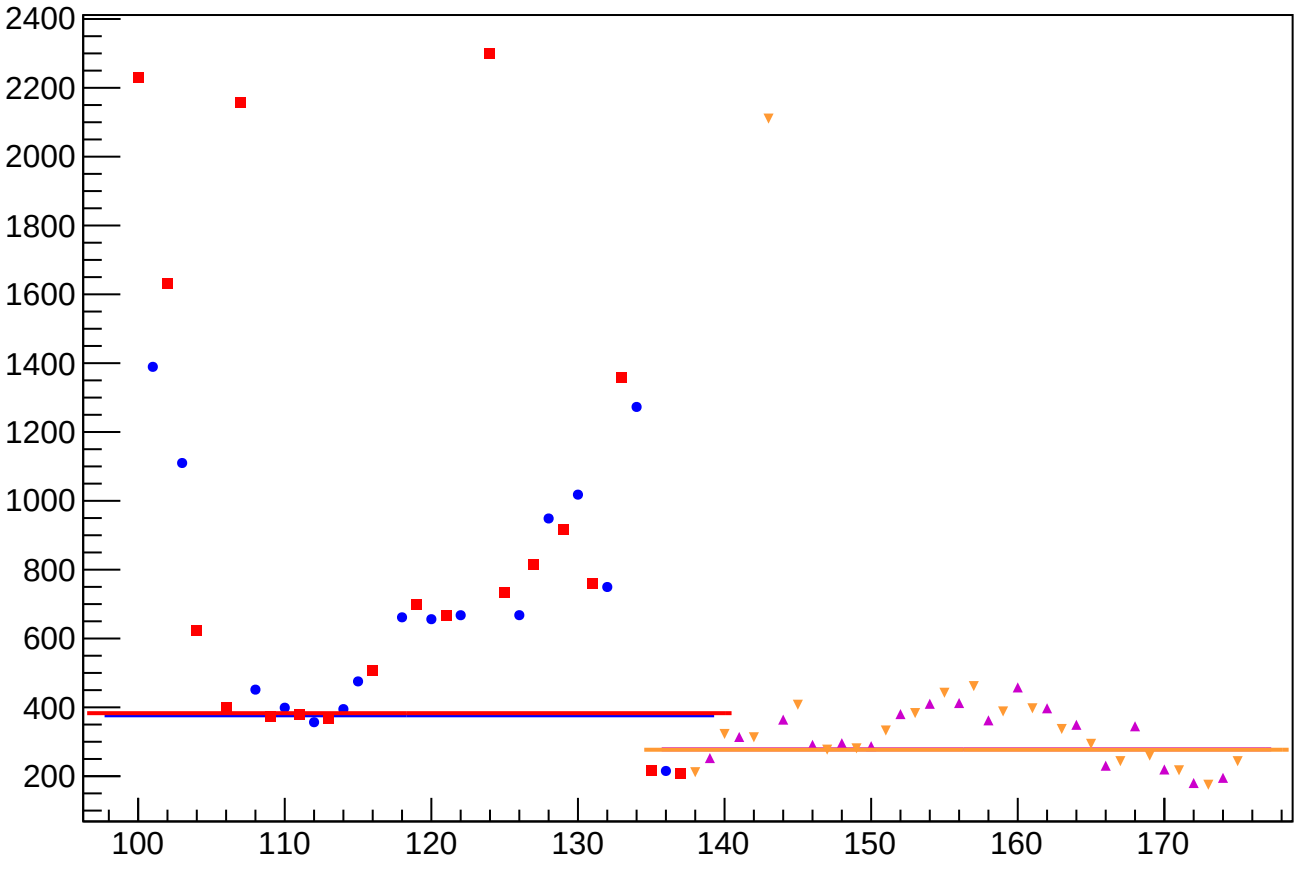
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -138.419+/-75.356 χ^2/NDF:12.8/17

+ sign -205.636+/-67.746 χ^2/NDF: 61.3/35

All: -176.675+/-48.294 χ^2/NDF: 89.1/72

- sign -146.751+/-68.863 χ^2/NDF: 27.5/36



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 276.848+/-0.052 χ^2/NDF:3300805.1/19

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

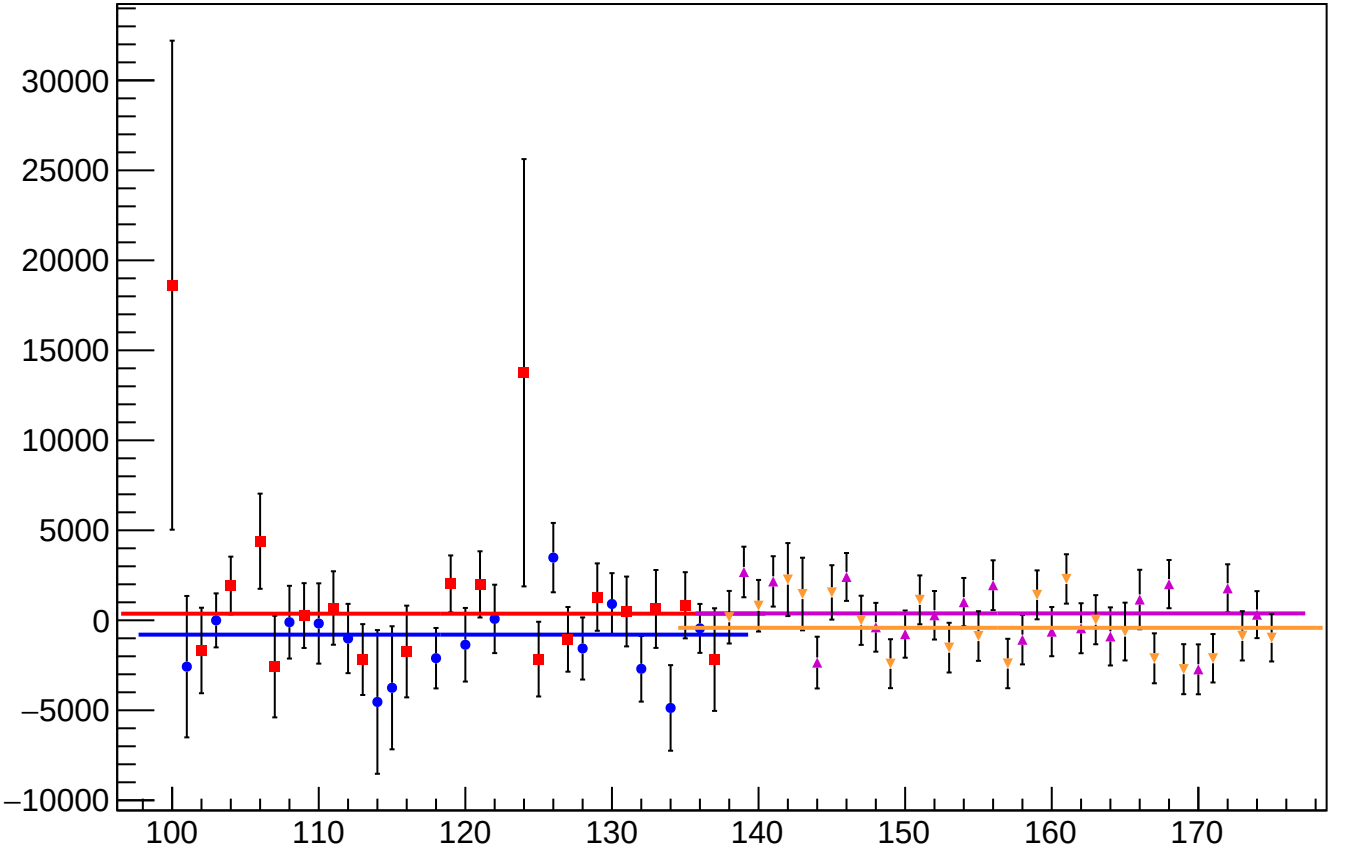
Left In: 278.004+/-0.053 χ^2/NDF:2165381.0/17

+ sign 293.077+/-0.048 χ^2/NDF: 8083762.3/35

All: 294.185+/-0.034 χ^2/NDF: 14945553.0/72

- sign 295.331+/-0.049 χ^2/NDF: 6860701.5/36

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -417.253+/-319.809 χ^2/NDF:23.5/19

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

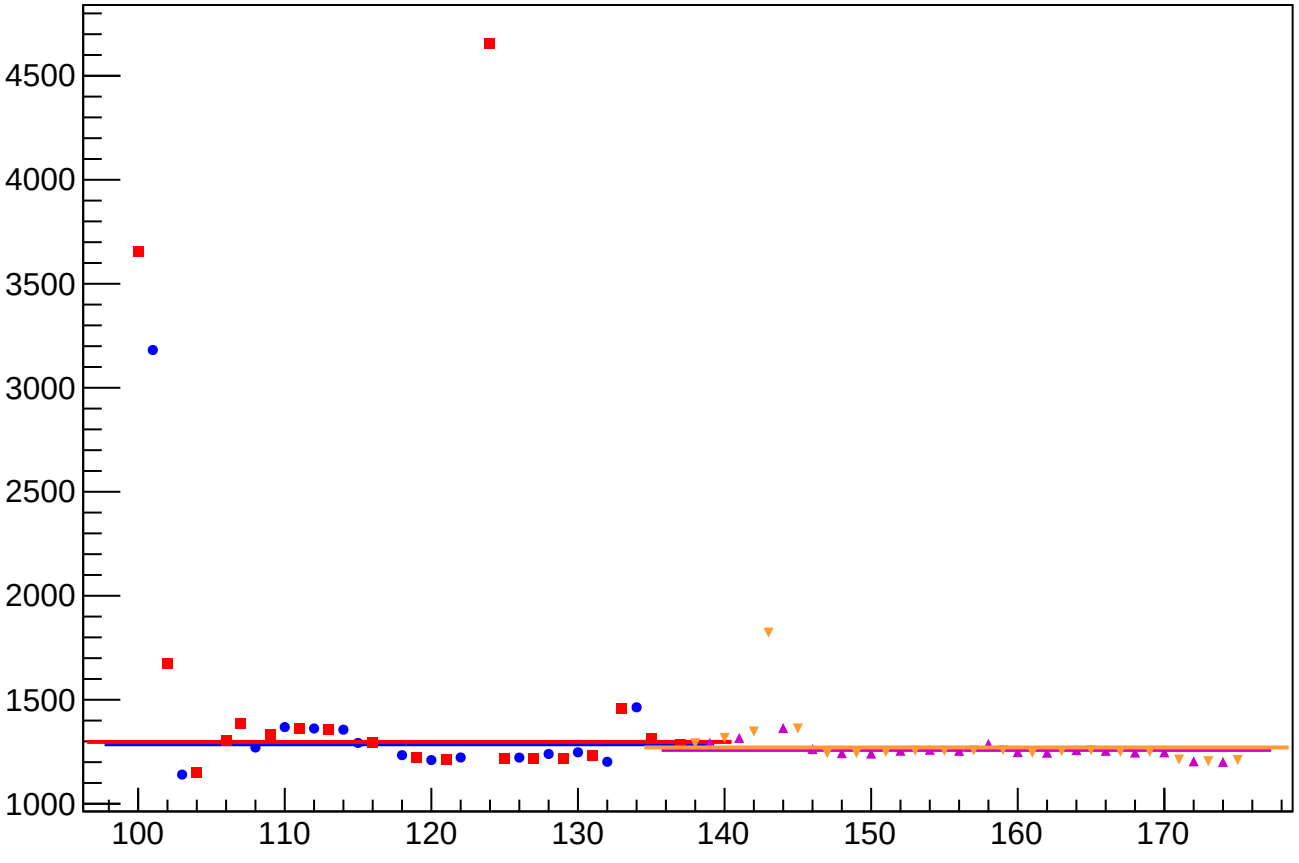
Left In: 382.583+/-326.503 χ^2/NDF:23.3/17

+ sign -531.490+/-267.396 χ^2/NDF: 37.4/35

All: -83.023+/-190.367 χ^2/NDF: 82.0/72

- sign 377.890+/-271.082 χ^2/NDF: 39.0/36

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

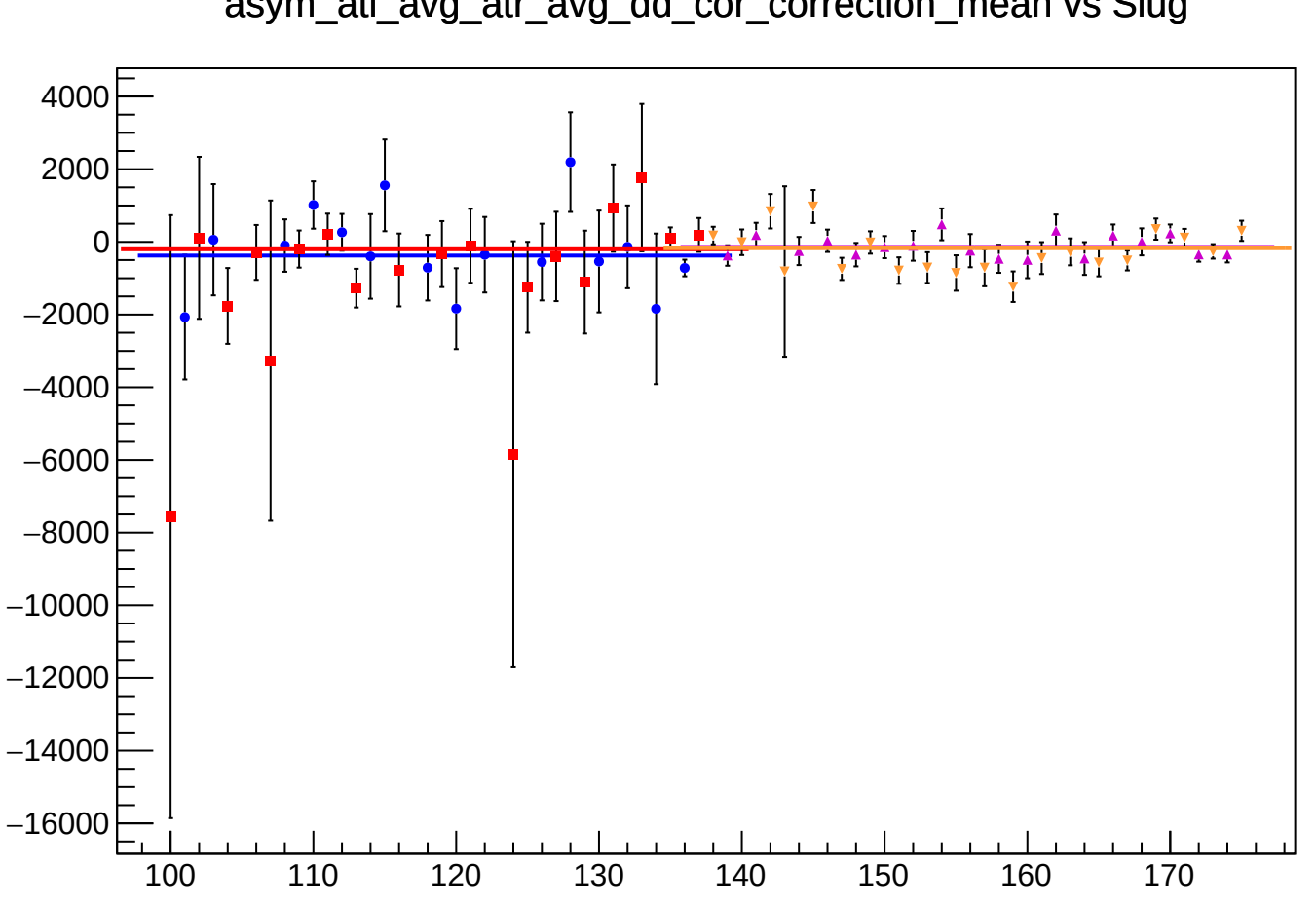
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

+ sign 1275.301+/-0.189 χ^2/NDF: 699536.8/35

All: 1273.159+/-0.135 χ^2/NDF: 1060935.5/72

- sign 1270.958+/-0.192 χ^2/NDF: 361138.5/36



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -173.341+/-74.017 χ^2/NDF:41.9/19

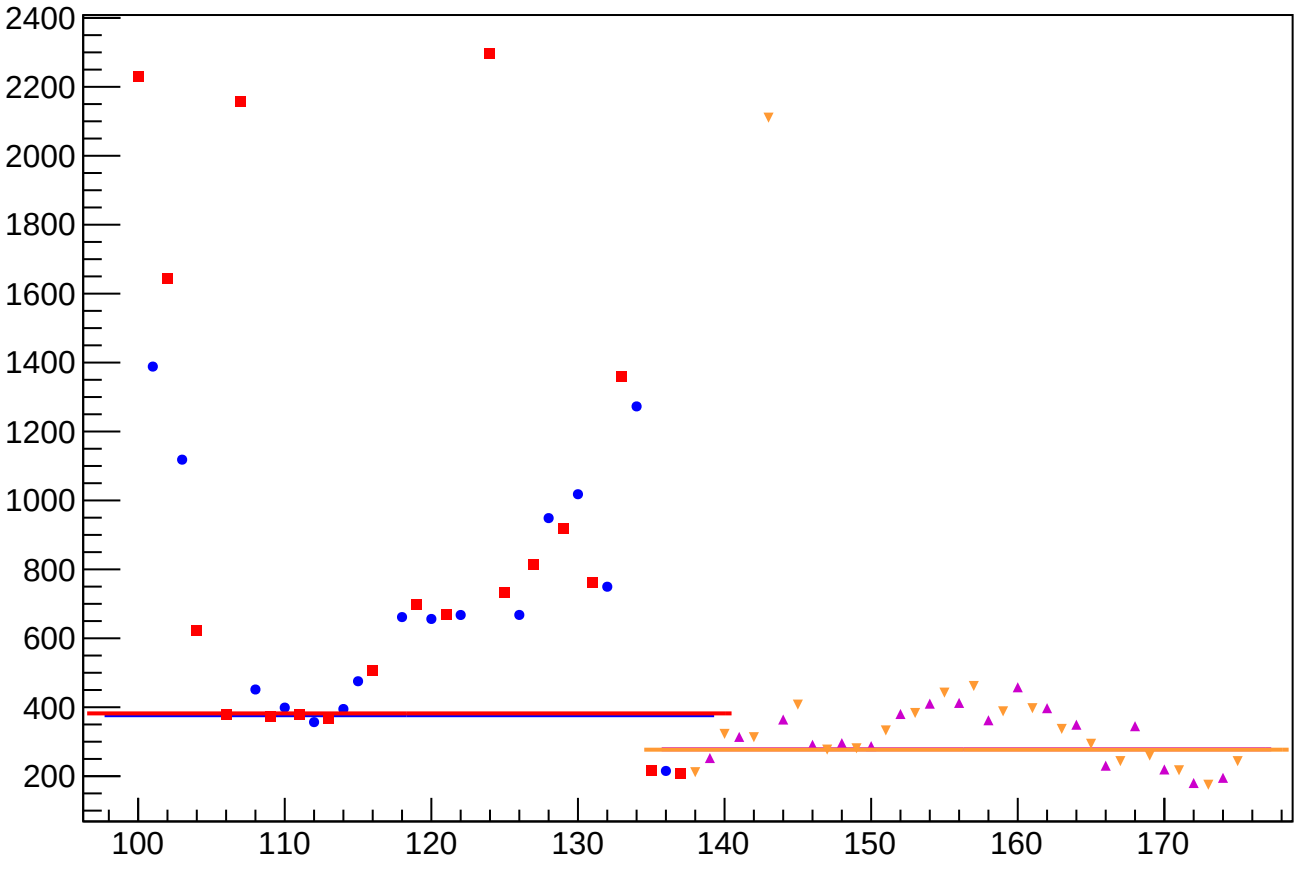
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -138.492+/-75.357 χ^2/NDF:12.8/17

+ sign -206.336+/-67.749 χ^2/NDF: 61.1/35

All: -178.135+/-48.291 χ^2/NDF: 88.4/72

- sign -149.009+/-68.851 χ^2/NDF: 26.9/36



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 276.857+/-0.052 χ^2/NDF:3300574.5/19

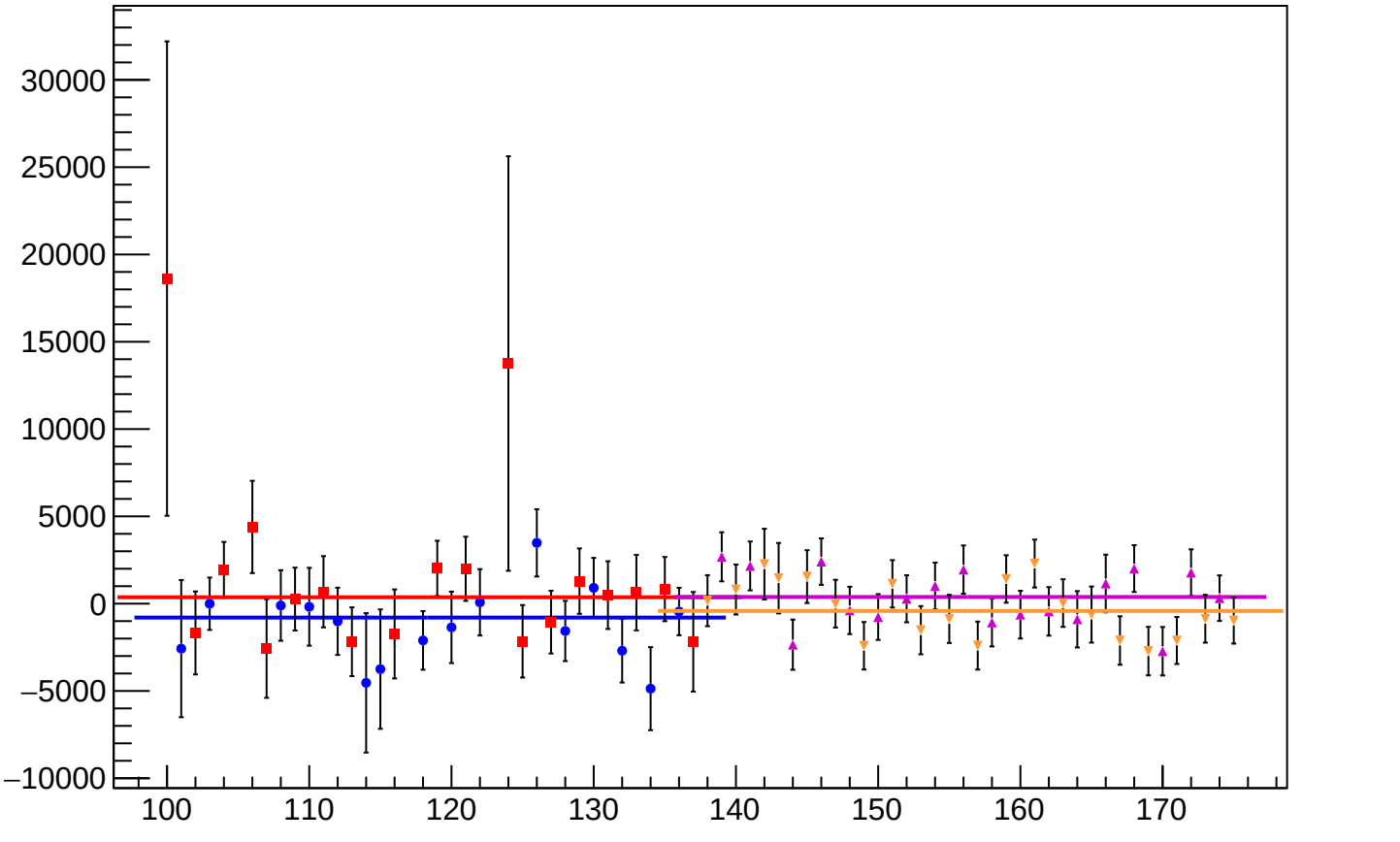
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.011+/-0.053 χ^2/NDF:2165200.3/17

+ sign 293.081+/-0.048 χ^2/NDF: 8086324.7/35

All: 294.131+/-0.034 χ^2/NDF: 14943052.7/72

- sign 295.216+/-0.049 χ^2/NDF: 6855751.0/36



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -417.253+/-319.809 χ^2/NDF:23.5/19

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

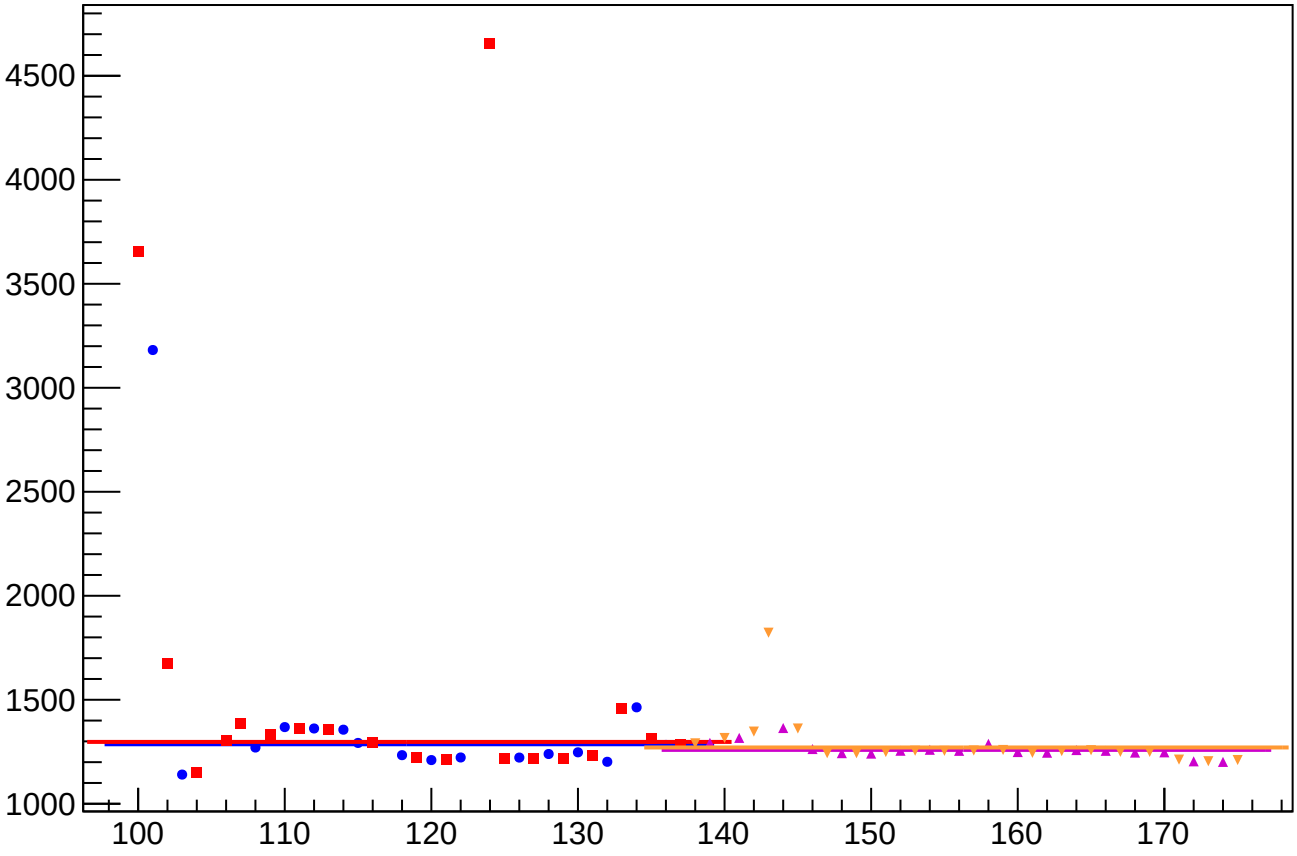
Left In: 382.583+/-326.503 χ^2/NDF:23.3/17

+ sign -531.490+/-267.396 χ^2/NDF: 37.4/35

All: -83.023+/-190.367 χ^2/NDF: 82.0/72

- sign 377.890+/-271.082 χ^2/NDF: 39.0/36

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

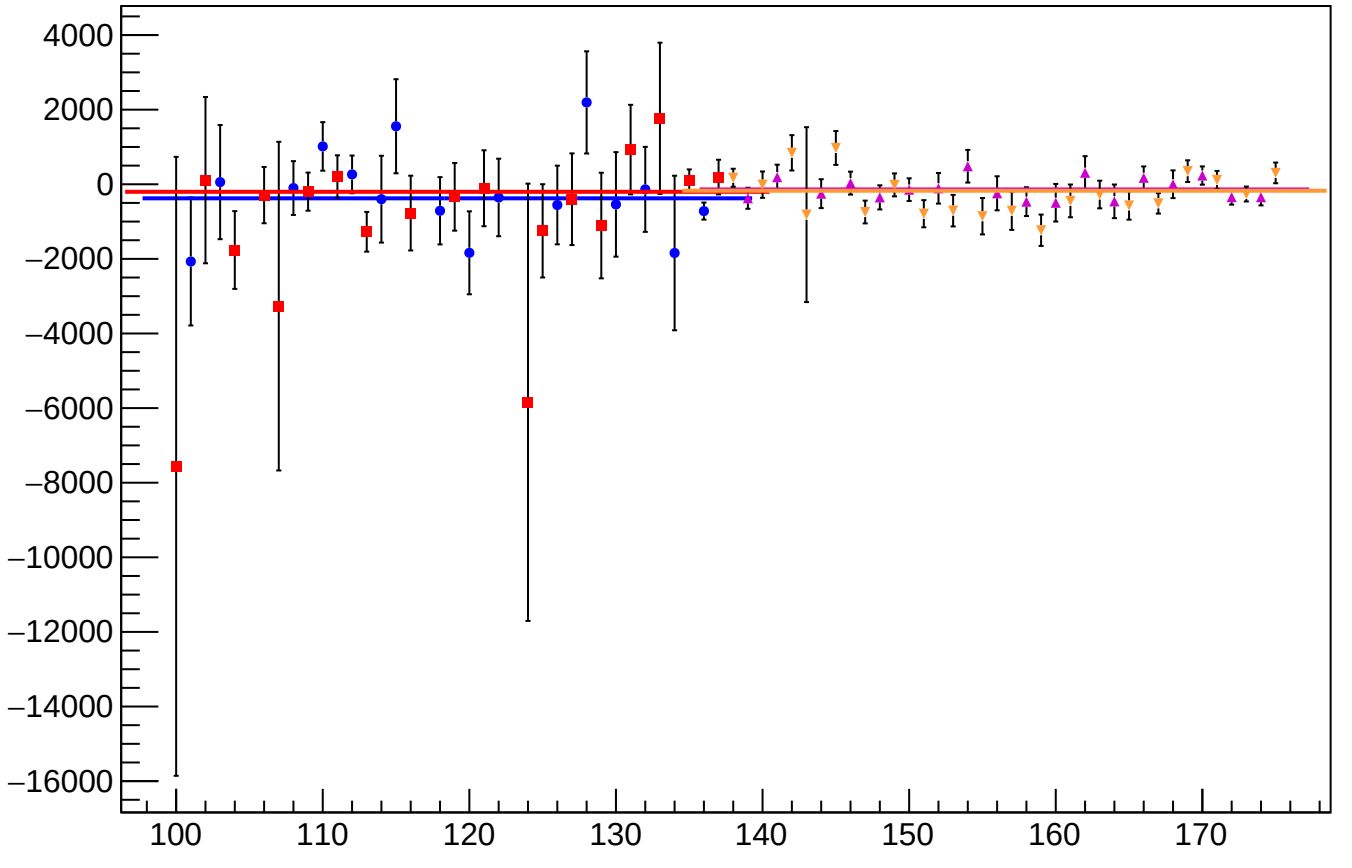
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

+ sign 1275.301+/-0.189 χ^2/NDF: 699536.8/35

All: 1273.159+/-0.135 χ^2/NDF: 1060935.5/72

- sign 1270.958+/-0.192 χ^2/NDF: 361138.5/36



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -173.341+/-74.017 χ^2/NDF:41.9/19

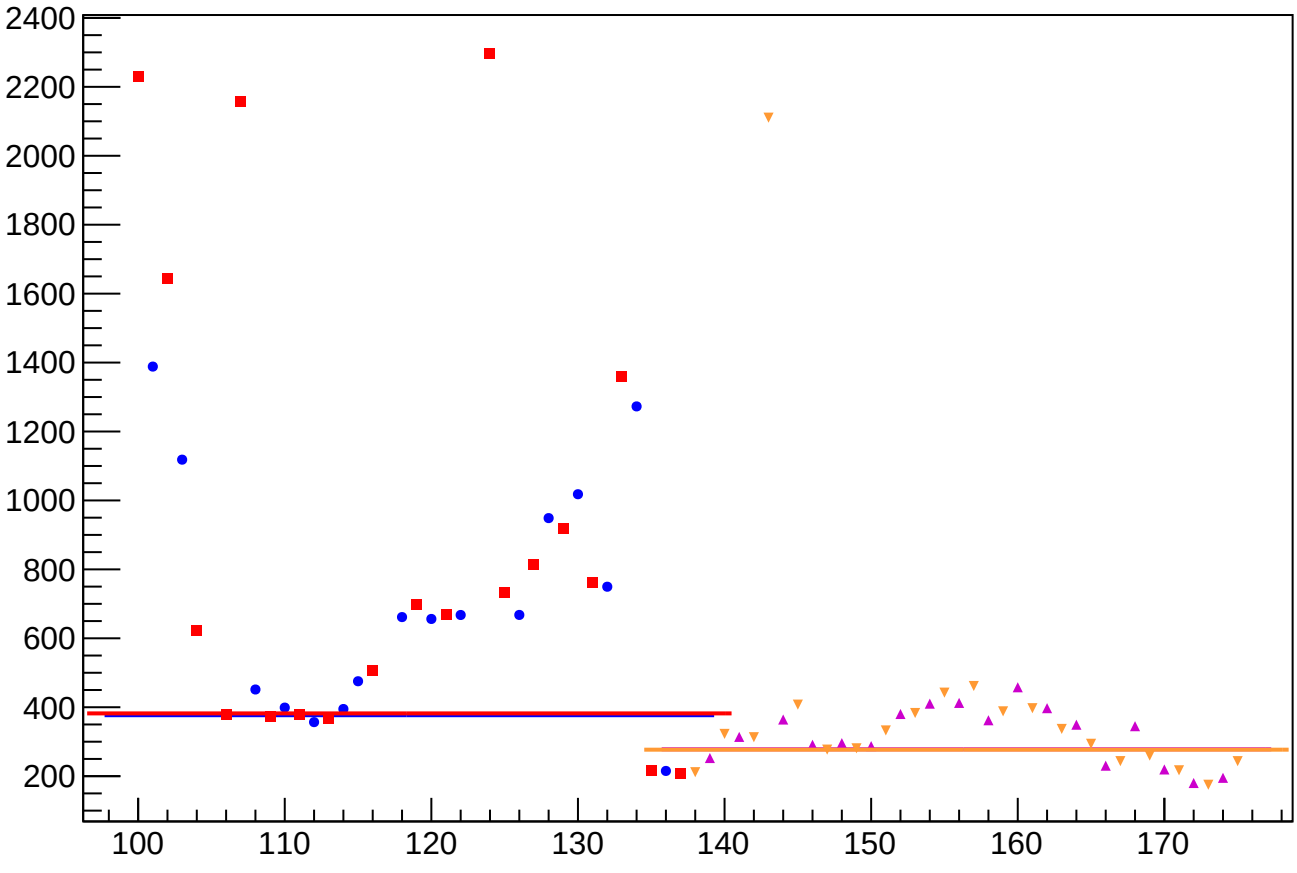
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -138.492+/-75.357 χ^2/NDF:12.8/17

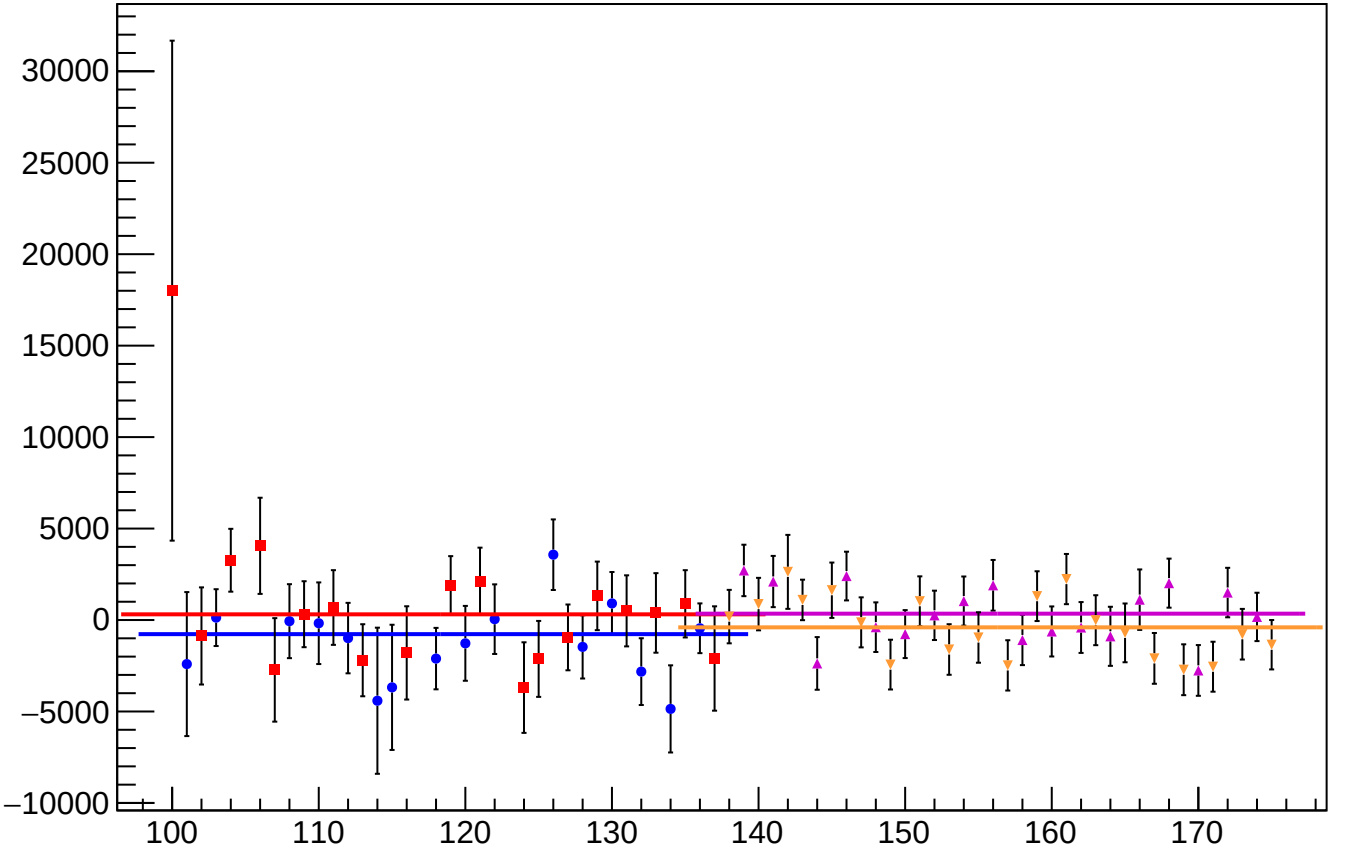
+ sign -206.336+/-67.749 χ^2/NDF: 61.1/35

All: -178.135+/-48.291 χ^2/NDF: 88.4/72

- sign -149.009+/-68.851 χ^2/NDF: 26.9/36


asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 376.884+/-0.119 χ²/NDF: 4193328.0/15
Left Out: 276.857+/-0.052 χ²/NDF:3300574.5/19
Right Out: 382.136+/-0.120 χ²/NDF: 4059600.2/18
Left In: 278.011+/-0.053 χ²/NDF:2165200.3/17
+ sign 293.081+/-0.048 χ²/NDF: 8086324.7/35
All: 294.131+/-0.034 χ²/NDF: 14943052.7/72
- sign 295.216+/-0.049 χ²/NDF: 6855751.0/36

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -399.922+/-311.835 χ^2/NDF:26.1/19

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

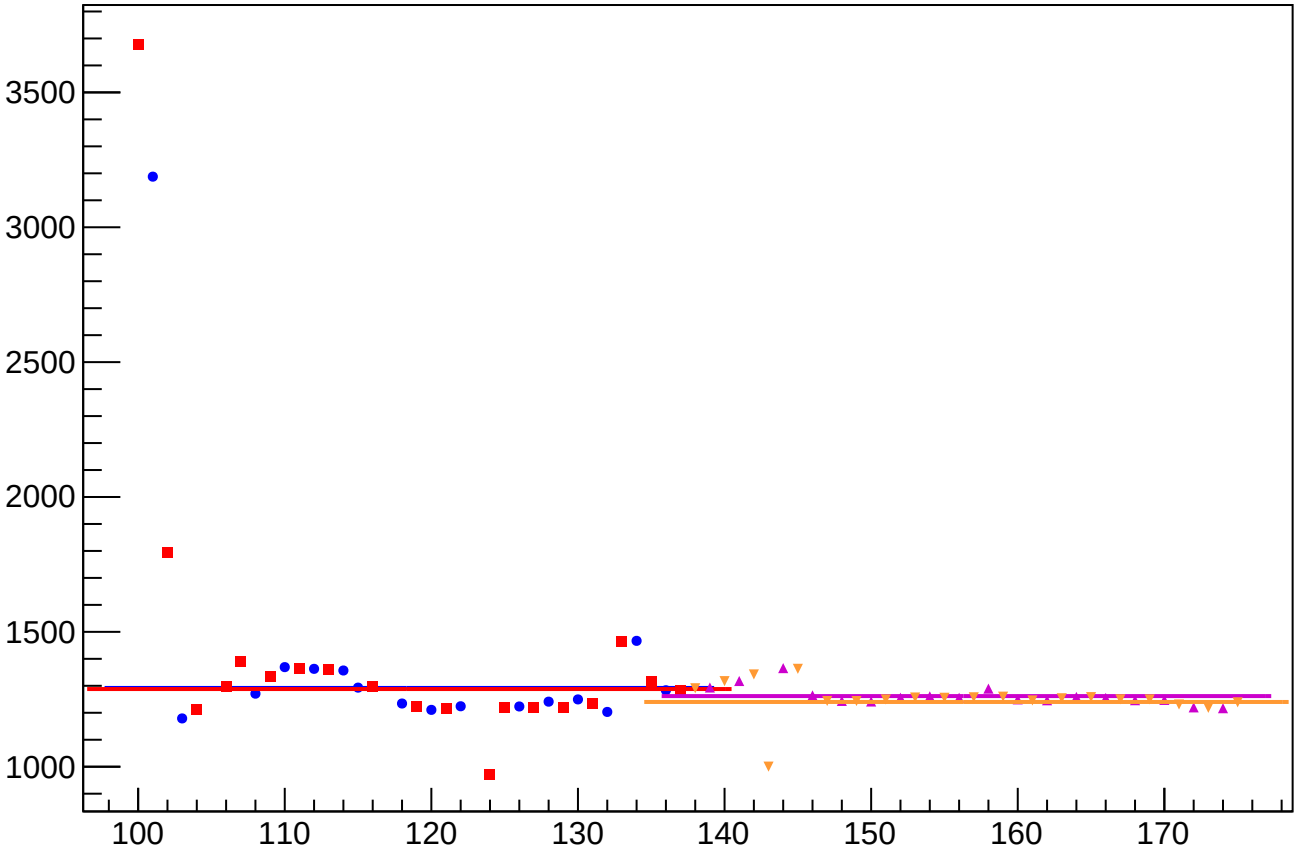
Left In: 347.668+/-327.223 χ^2/NDF:22.9/17

+ sign -507.156+/-263.018 χ^2/NDF: 40.2/35

All: -97.812+/-188.688 χ^2/NDF: 86.0/72

- sign 336.252+/-270.843 χ^2/NDF: 40.8/36

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.063+/-0.221 χ^2/NDF:122949.8/19

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

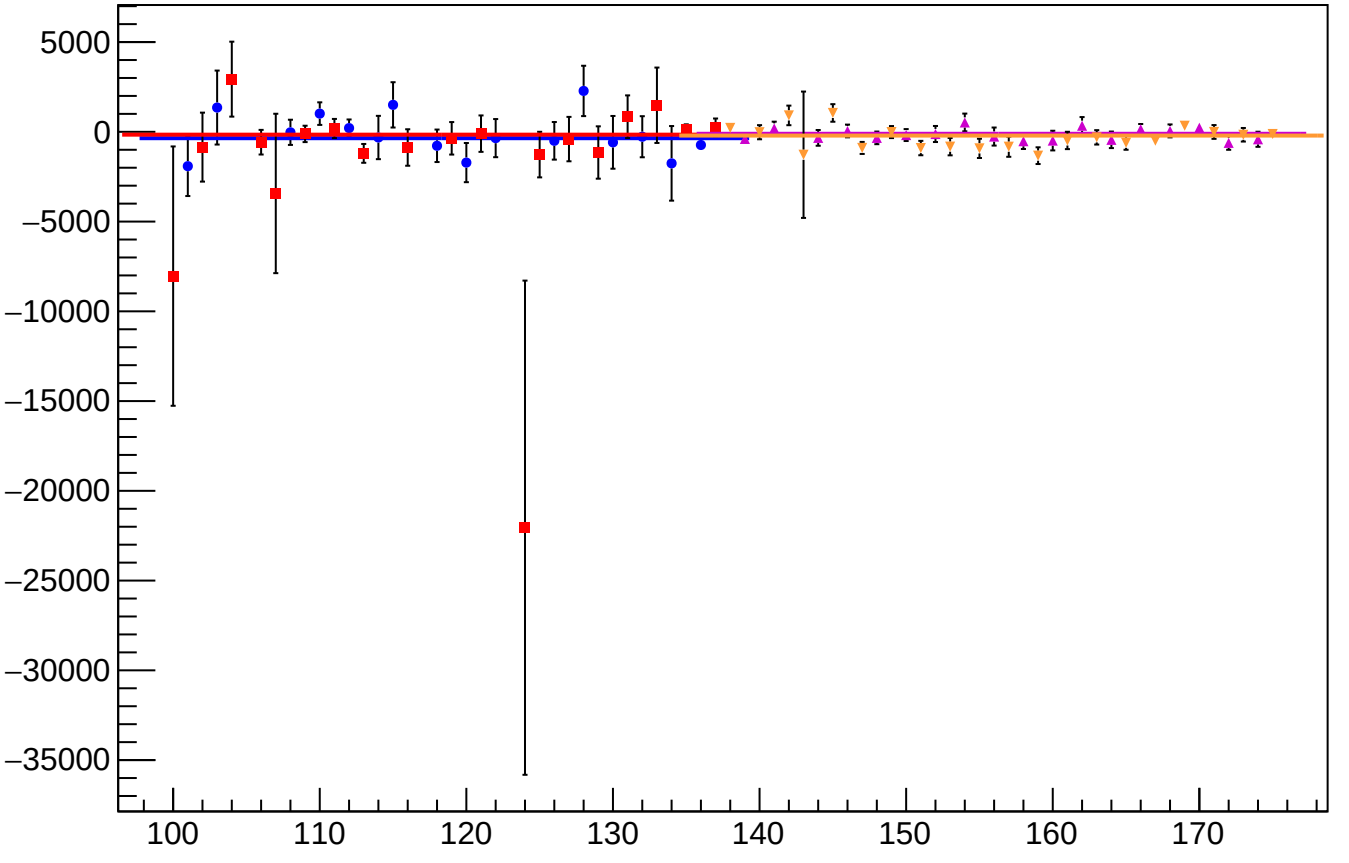
Left In: 1261.887+/-0.231 χ^2/NDF:21446.4/17

+ sign 1255.063+/-0.186 χ^2/NDF: 648390.2/35

All: 1262.364+/-0.133 χ^2/NDF: 886228.4/72

- sign 1270.107+/-0.192 χ^2/NDF: 234662.5/36

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -208.923+/-77.385 χ^2/NDF:39.3/19

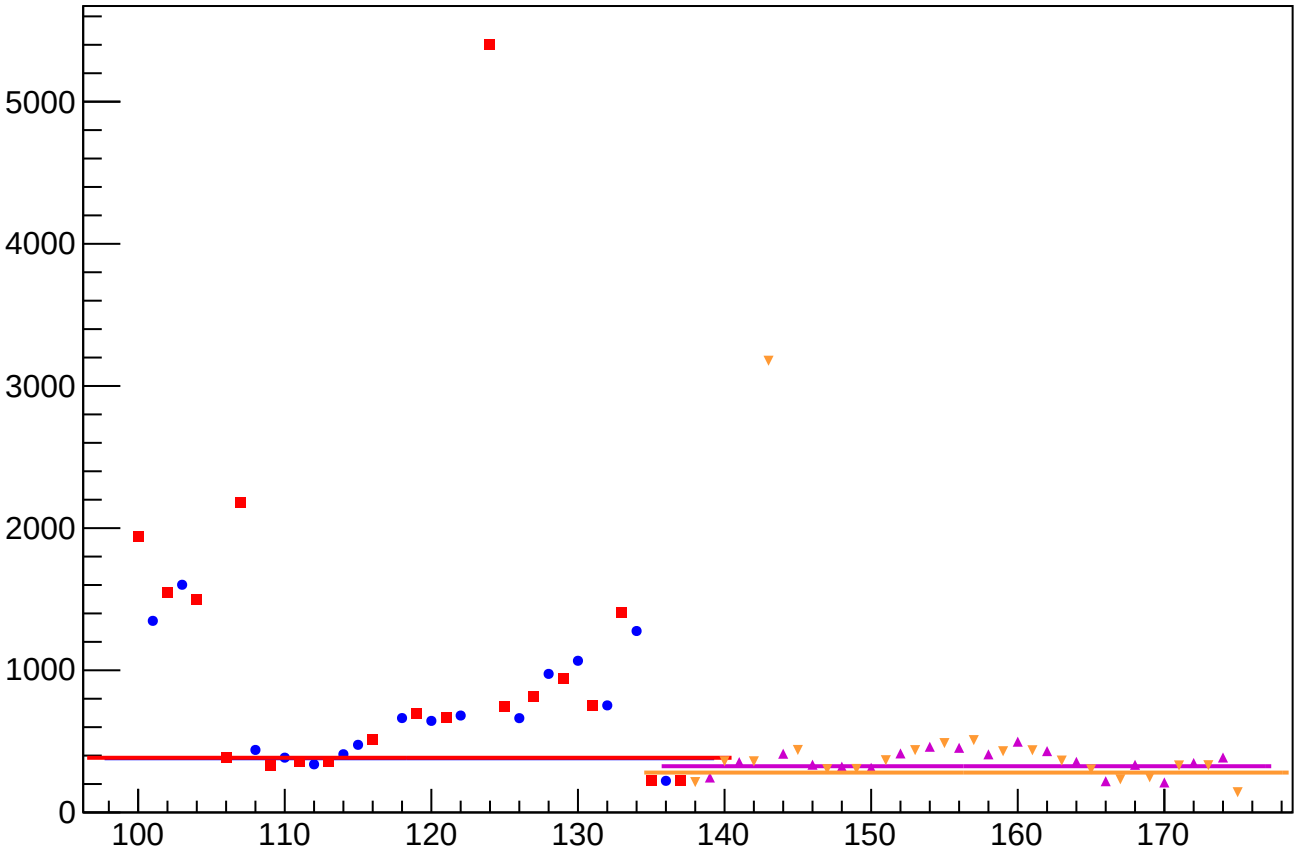
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -109.070+/-87.398 χ^2/NDF:12.4/17

+ sign -234.042+/-70.429 χ^2/NDF: 58.4/35

All: -182.293+/-52.181 χ^2/NDF: 87.8/72

- sign -119.315+/-77.695 χ^2/NDF: 28.3/36



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 280.526+/-0.055 χ^2/NDF:4928292.4/19

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

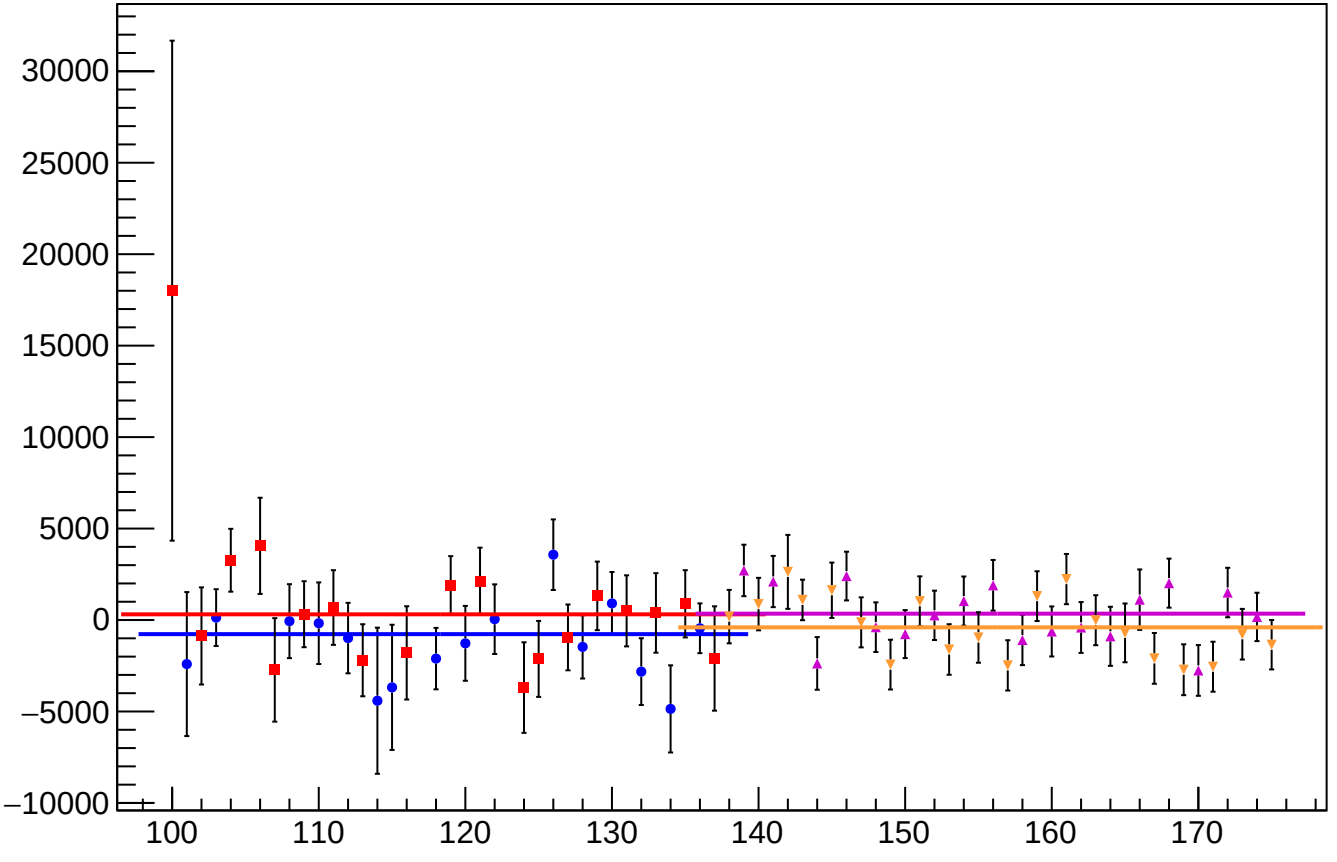
Left In: 325.253+/-0.062 χ^2/NDF:1793354.0/17

+ sign 297.837+/-0.050 χ^2/NDF: 9829110.8/35

All: 315.822+/-0.037 χ^2/NDF: 16665528.5/72

- sign 337.709+/-0.055 χ^2/NDF: 6547279.9/36

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -399.921+/-311.835 χ^2/NDF:26.1/19

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

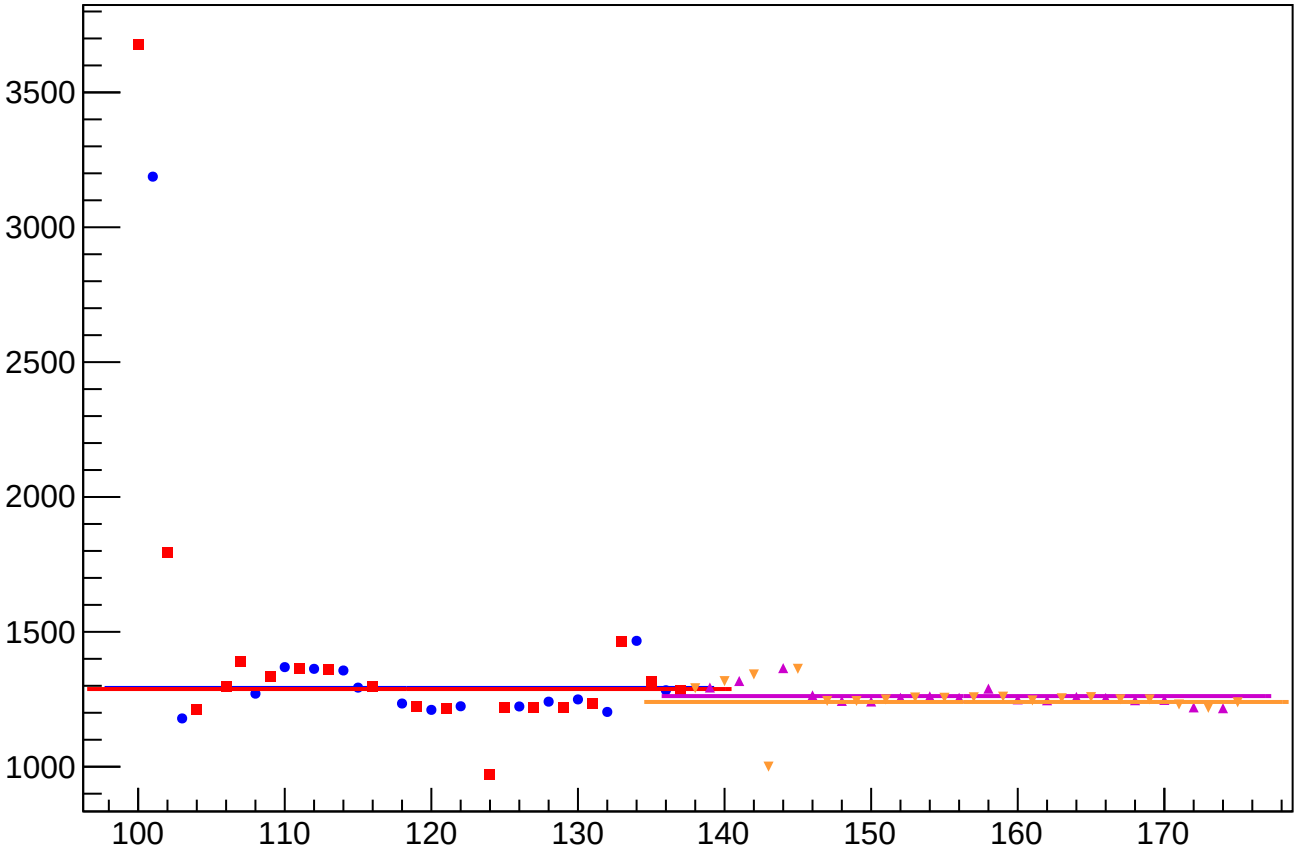
Left In: 347.668+/-327.223 χ^2/NDF:22.9/17

+ sign -507.156+/-263.018 χ^2/NDF: 40.2/35

All: -97.812+/-188.688 χ^2/NDF: 86.0/72

- sign 336.253+/-270.843 χ^2/NDF: 40.8/36

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.063+/-0.221 χ^2/NDF:122949.0/19

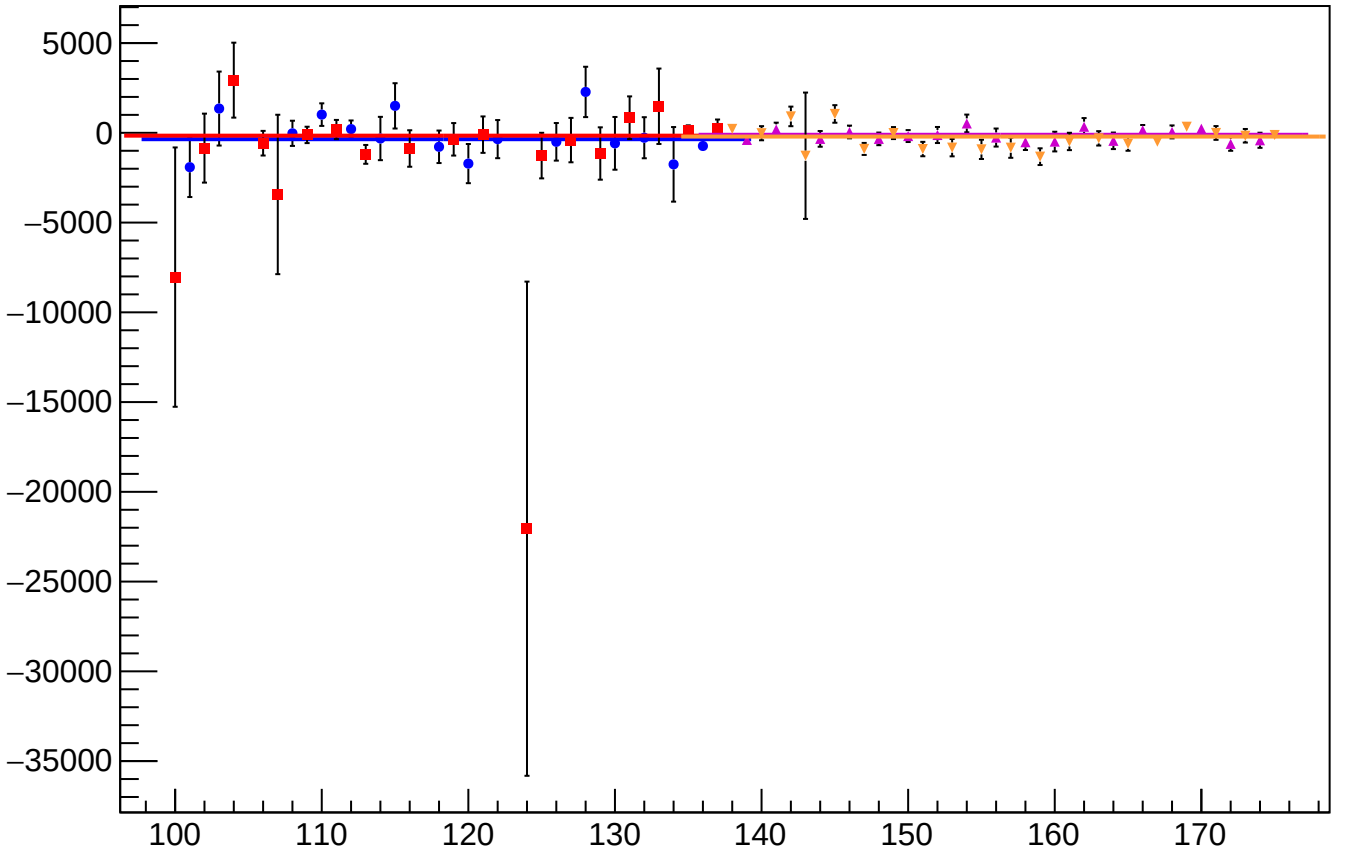
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.887+/-0.231 χ^2/NDF:21446.5/17

+ sign 1255.063+/-0.186 χ^2/NDF: 648389.4/35

All: 1262.364+/-0.133 χ^2/NDF: 886227.9/72

- sign 1270.107+/-0.192 χ^2/NDF: 234662.9/36



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -208.928+/-77.385 χ^2/NDF:39.3/19

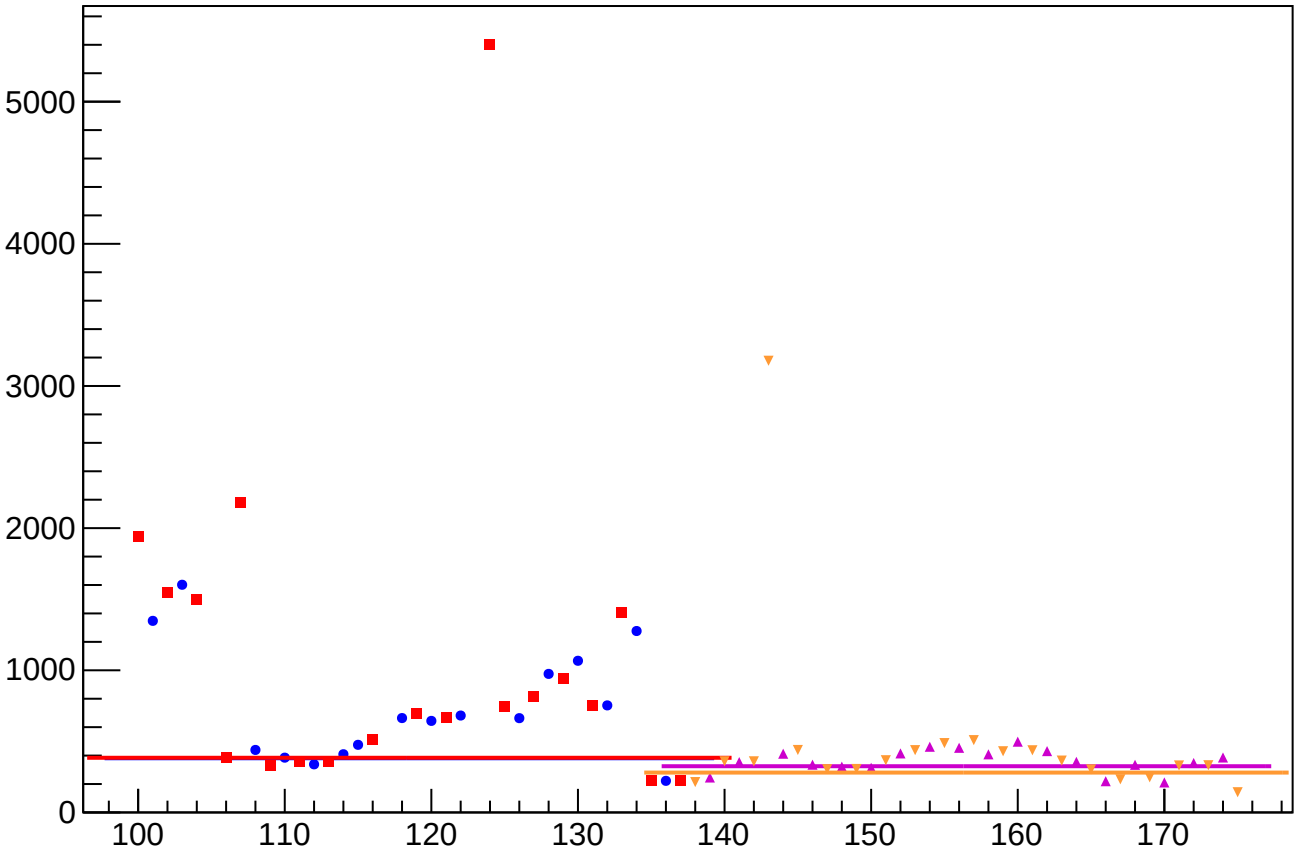
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -109.068+/-87.398 χ^2/NDF:12.4/17

\+ sign -234.046+/-70.430 χ^2/NDF: 58.4/35

All: -182.295+/-52.182 χ^2/NDF: 87.8/72

\- sign -119.315+/-77.696 χ^2/NDF: 28.3/36



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 280.528+/-0.055 χ^2/NDF:4928206.5/19

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

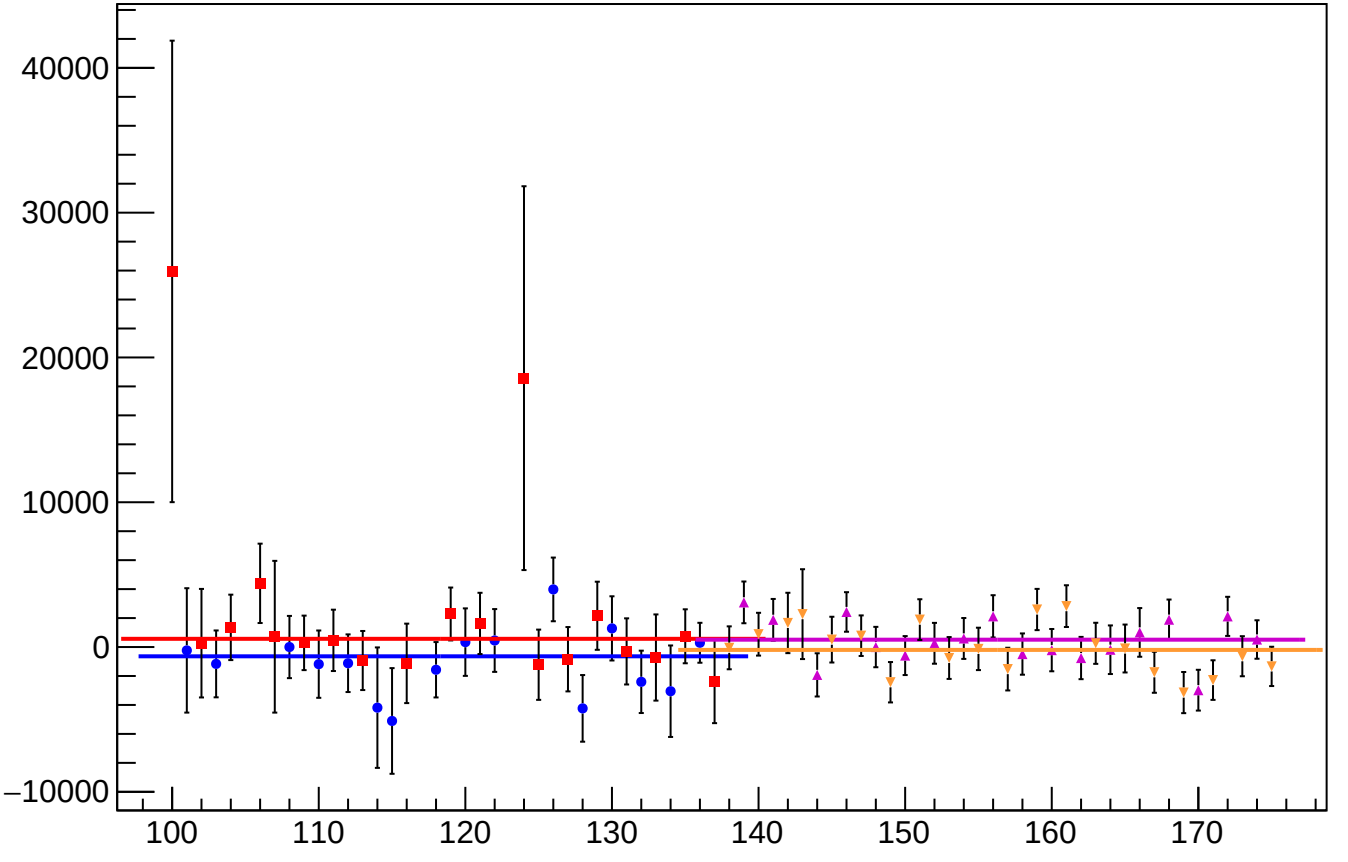
Left In: 325.255+/-0.062 χ^2/NDF:1793288.1/17

+ sign 297.840+/-0.050 χ^2/NDF: 9828917.8/35

All: 315.825+/-0.037 χ^2/NDF: 16665159.2/72

- sign 337.712+/-0.055 χ^2/NDF: 6547111.7/36

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -198.722+/-333.133 χ^2/NDF:25.4/19

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

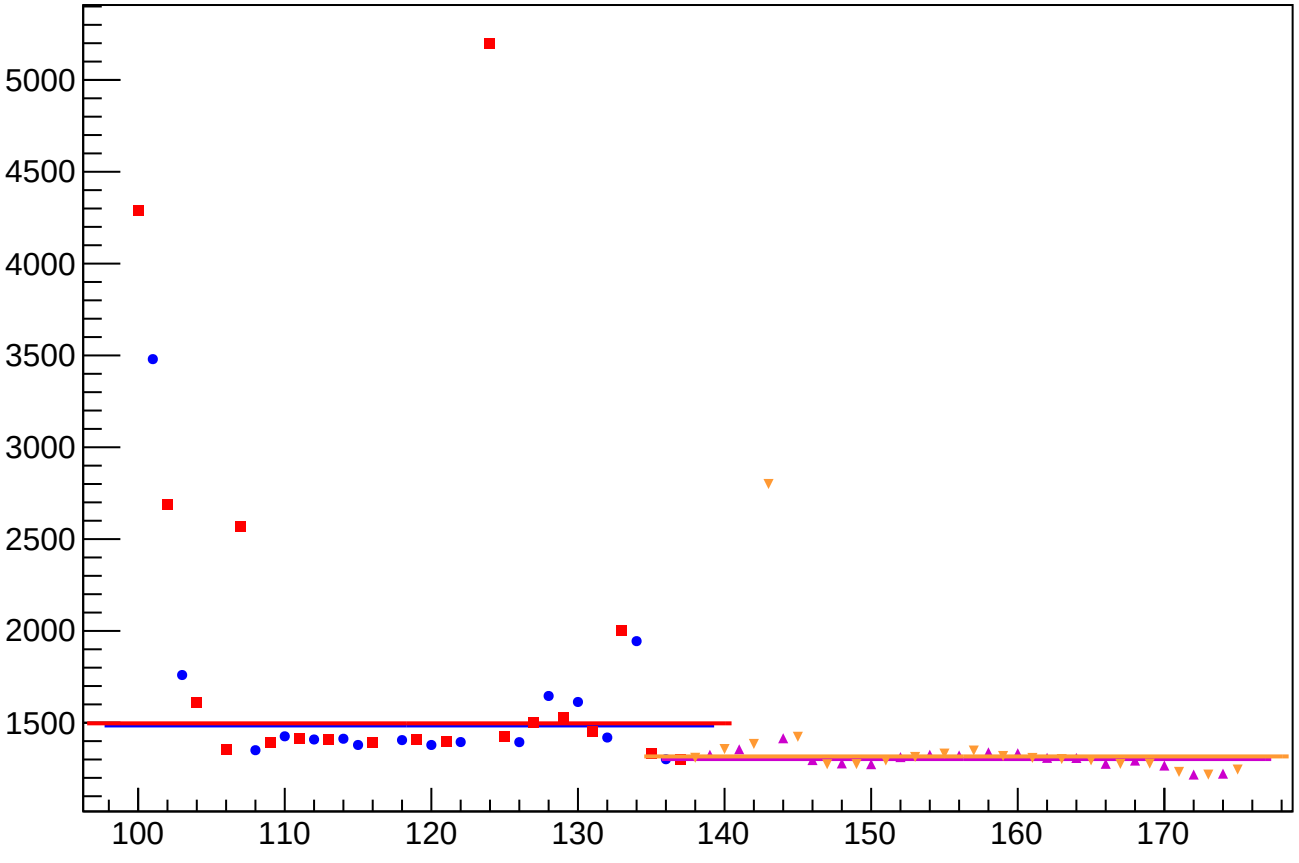
Left In: 507.426+/-337.810 χ^2/NDF:21.1/17

+ sign -312.959+/-286.882 χ^2/NDF: 38.3/35

All: 100.300+/-204.012 χ^2/NDF: 74.9/72

- sign 523.108+/-290.178 χ^2/NDF: 32.4/36

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1316.727+/-0.236 χ^2/NDF:502306.7/19

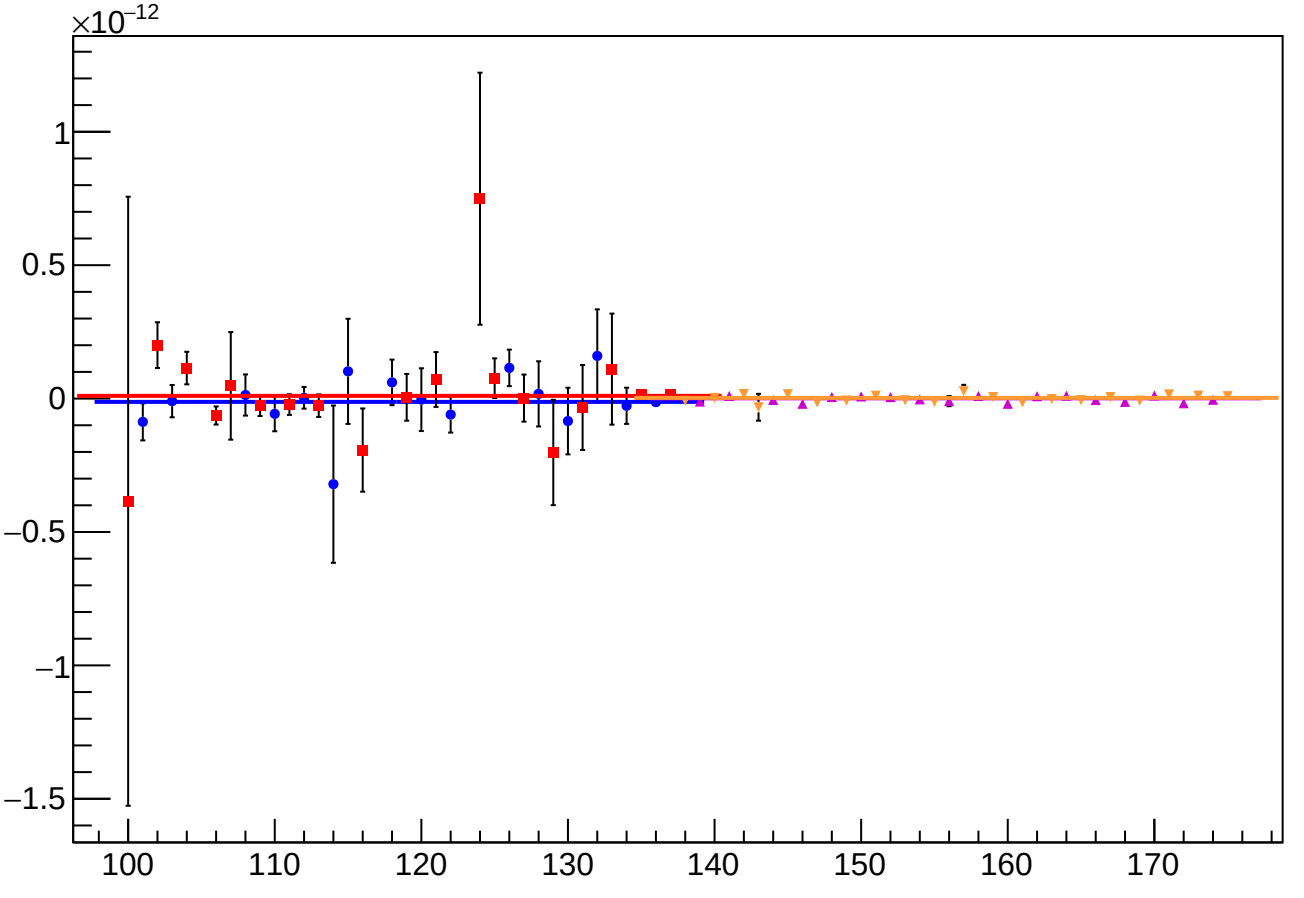
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1302.358+/-0.239 χ^2/NDF:36321.7/17

+ sign 1360.304+/-0.203 χ^2/NDF: 1219216.3/35

All: 1356.864+/-0.144 χ^2/NDF: 2053219.4/72

- sign 1353.344+/-0.205 χ^2/NDF: 833421.2/36



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.9/19

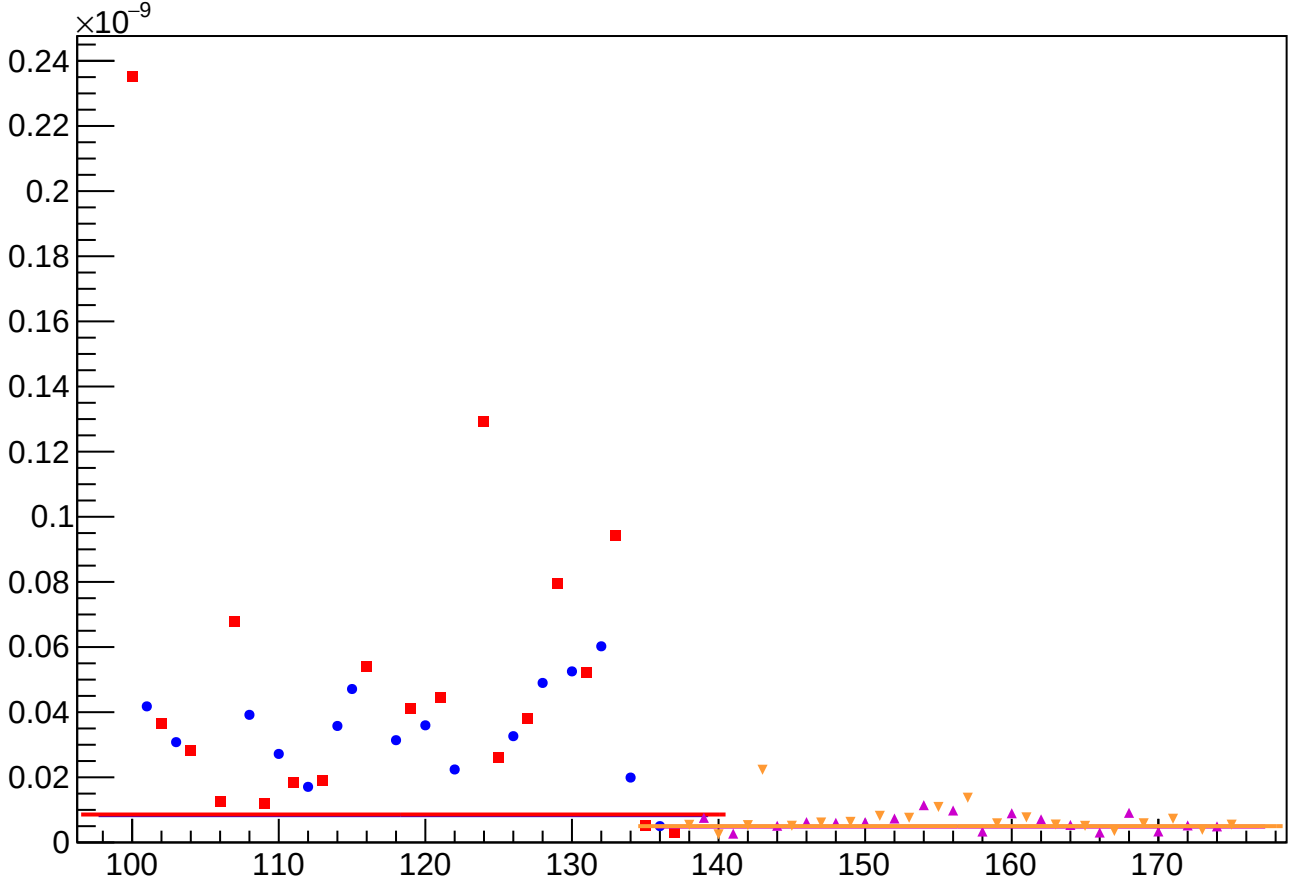
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:21.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 32.1/35

All: 0.000+/-0.000 χ^2/NDF: 77.4/72

- sign 0.000+/-0.000 χ^2/NDF: 45.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1887463.1/19

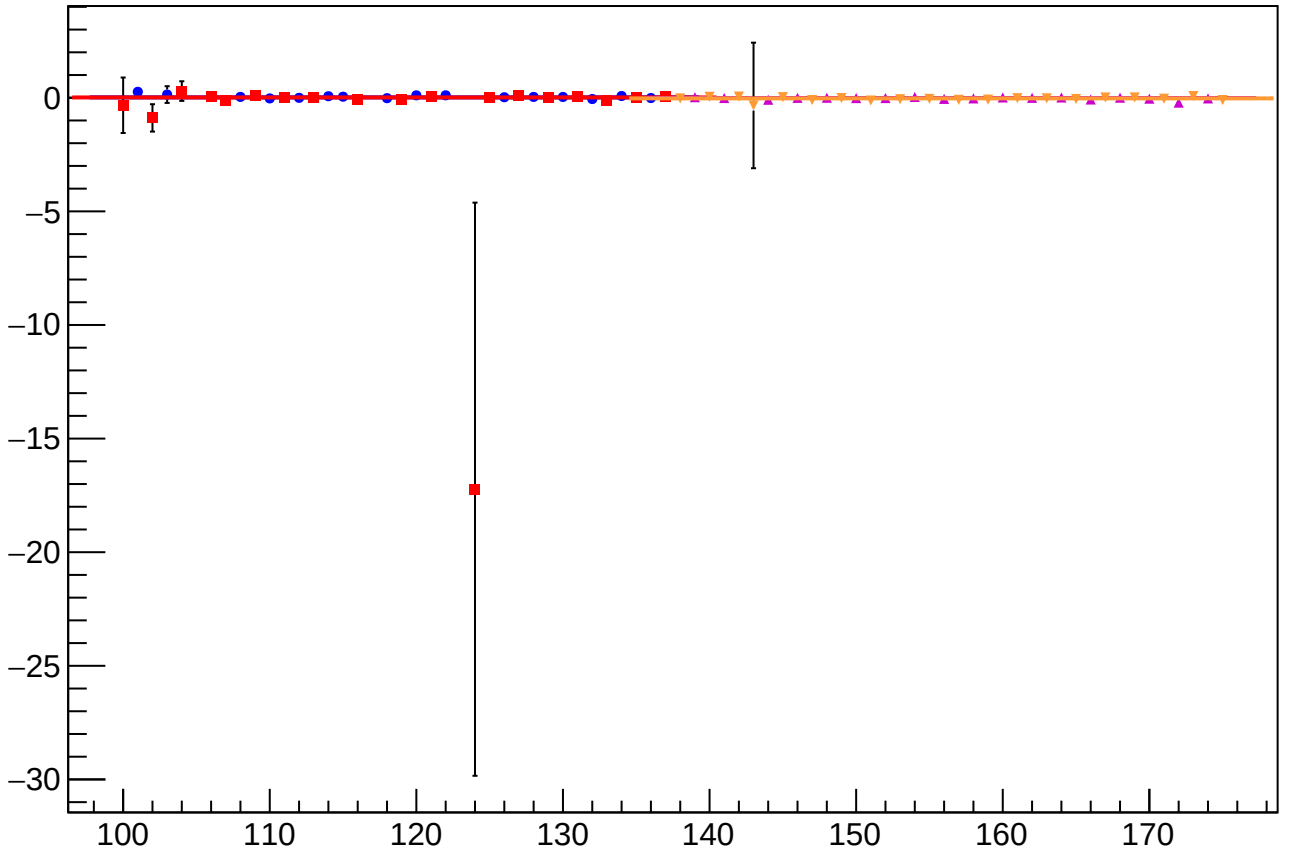
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1690564.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 5328072.6/35

All: 0.000+/-0.000 χ^2/NDF: 10769861.1/72

- sign 0.000+/-0.000 χ^2/NDF: 5437672.2/36



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

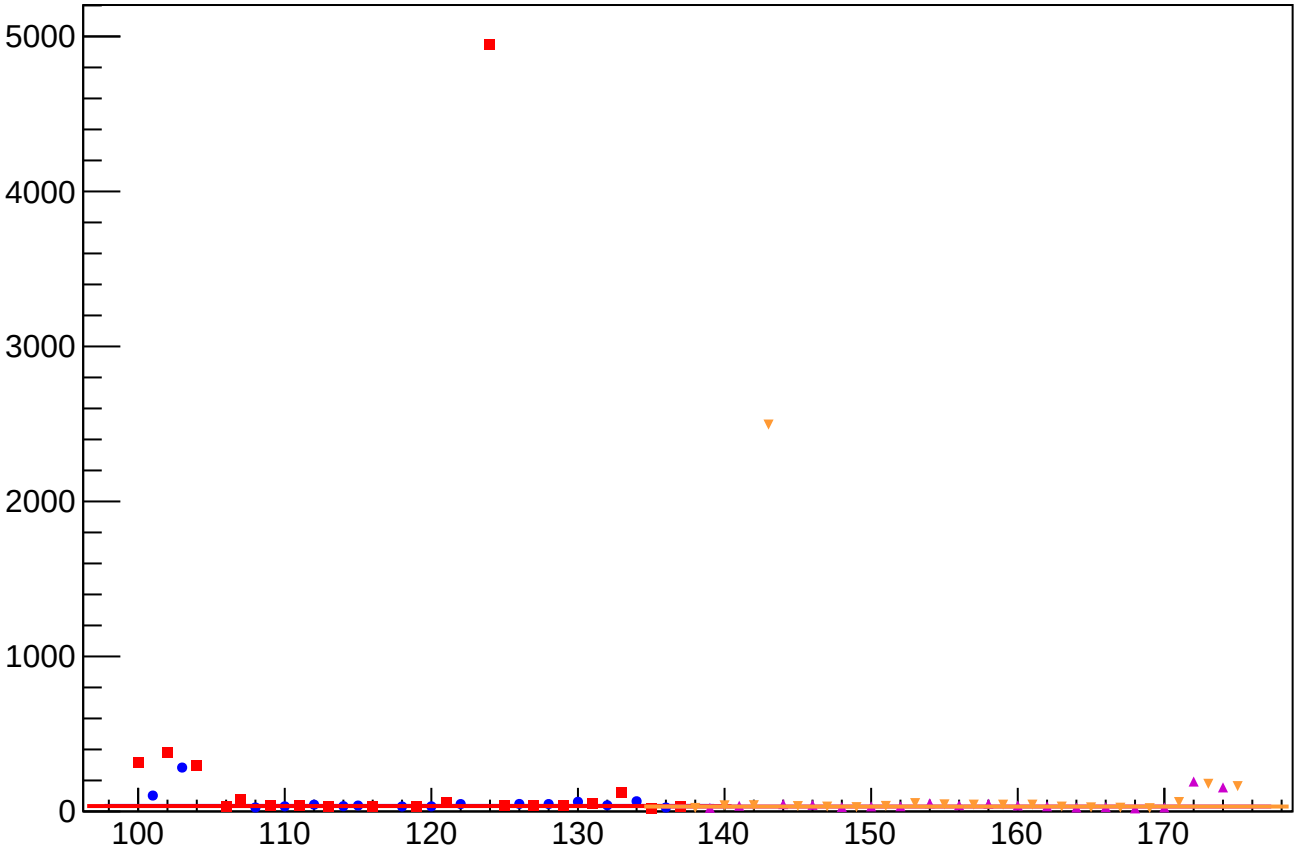
Left In: -0.011+/-0.010 χ^2/NDF:10.7/17

\+ sign -0.015+/-0.008 χ^2/NDF: 41.2/35

All: -0.010+/-0.006 χ^2/NDF: 70.6/72

\- sign -0.005+/-0.008 χ^2/NDF: 28.6/36

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318511.7/19

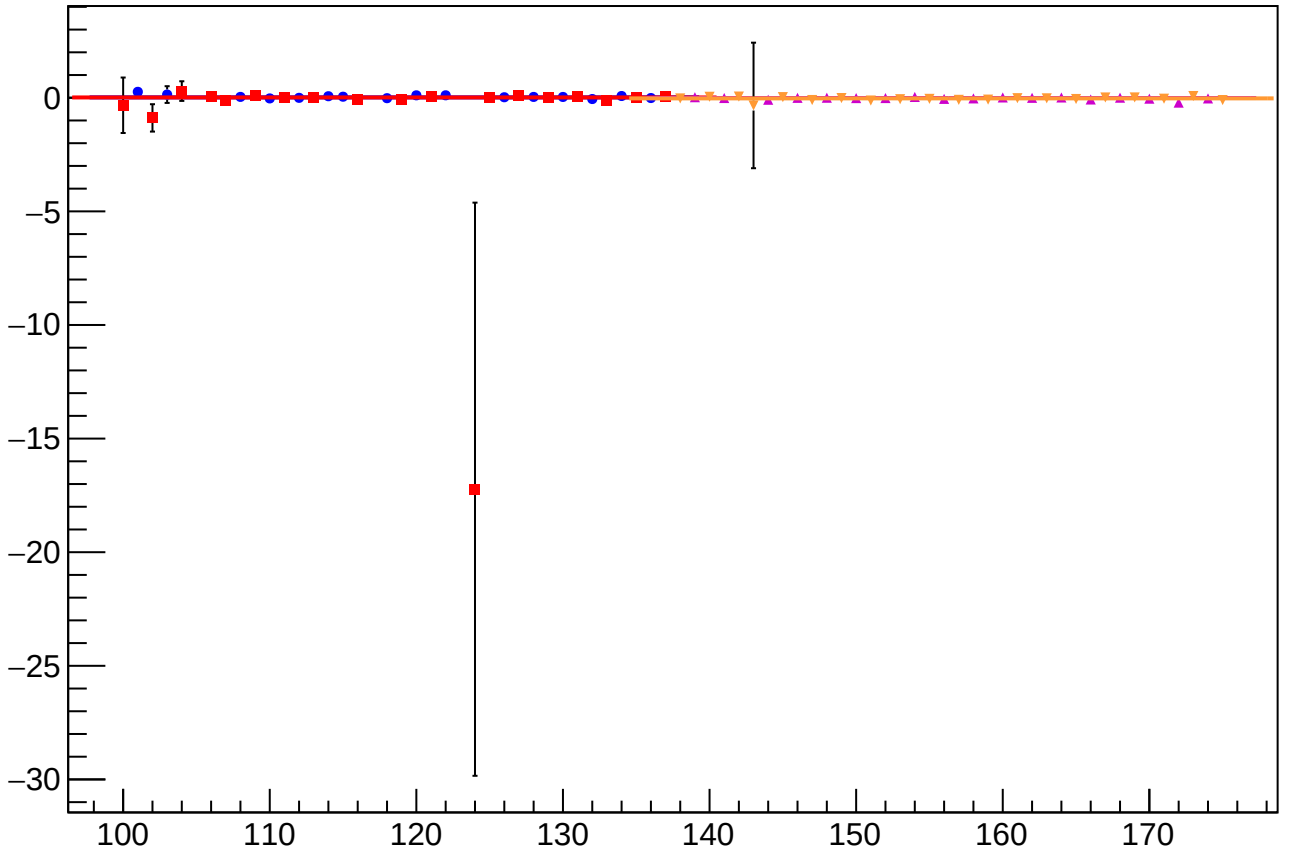
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.832+/-0.007 χ^2/NDF:3762182.0/17

\+ sign 32.798+/-0.006 χ^2/NDF: 7683643.2/35

All: 32.716+/-0.004 χ^2/NDF: 14412918.8/72

\- sign 32.634+/-0.006 χ^2/NDF: 6728872.4/36



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

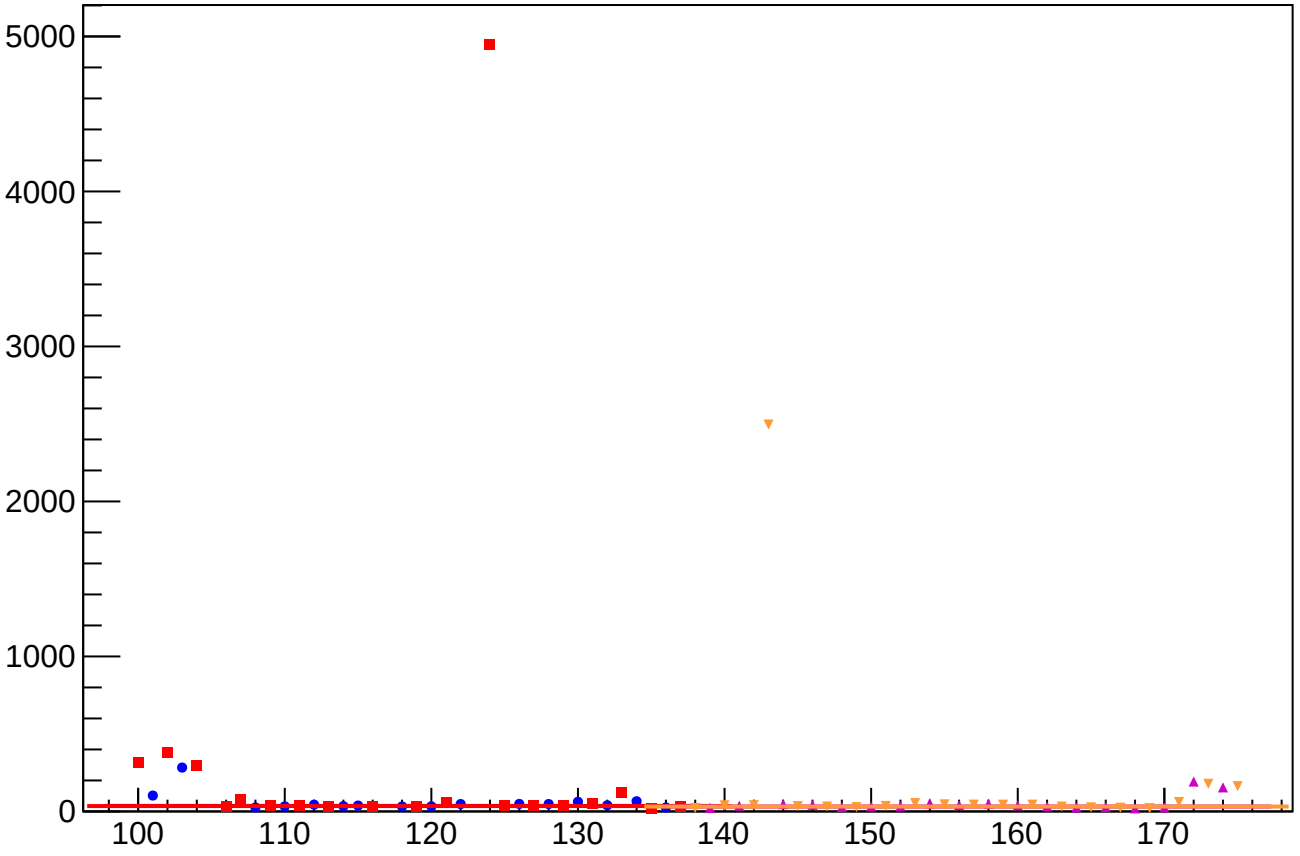
Left In: -0.011+/-0.010 χ^2/NDF:10.7/17

+ sign -0.015+/-0.008 χ^2/NDF: 41.2/35

All: -0.010+/-0.006 χ^2/NDF: 70.6/72

- sign -0.005+/-0.008 χ^2/NDF: 28.6/36

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318511.7/19

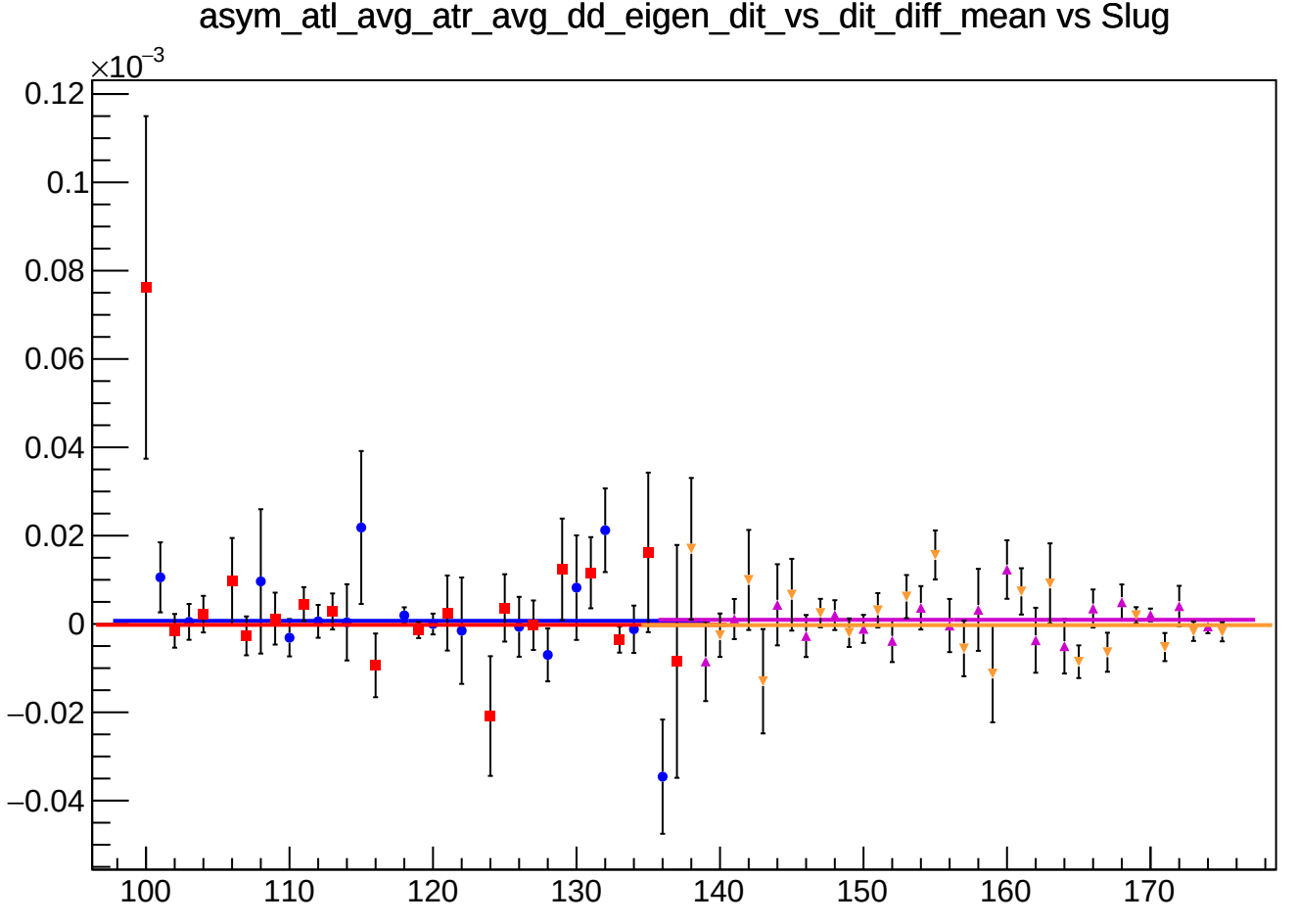
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.832+/-0.007 χ^2/NDF:3762182.0/17

+ sign 32.798+/-0.006 χ^2/NDF: 7683643.2/35

All: 32.716+/-0.004 χ^2/NDF: 14412918.8/72

- sign 32.634+/-0.006 χ^2/NDF: 6728872.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.4/19

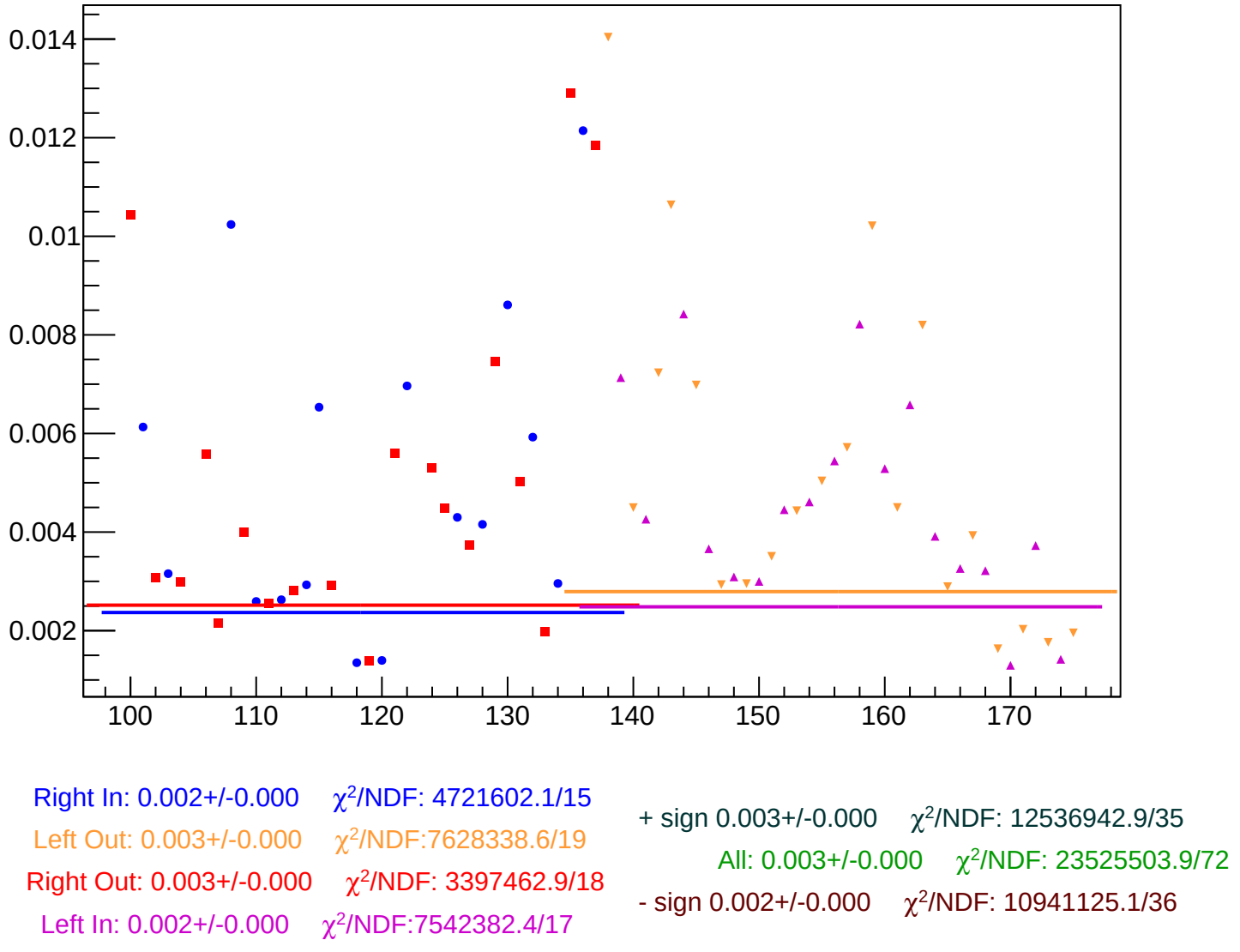
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

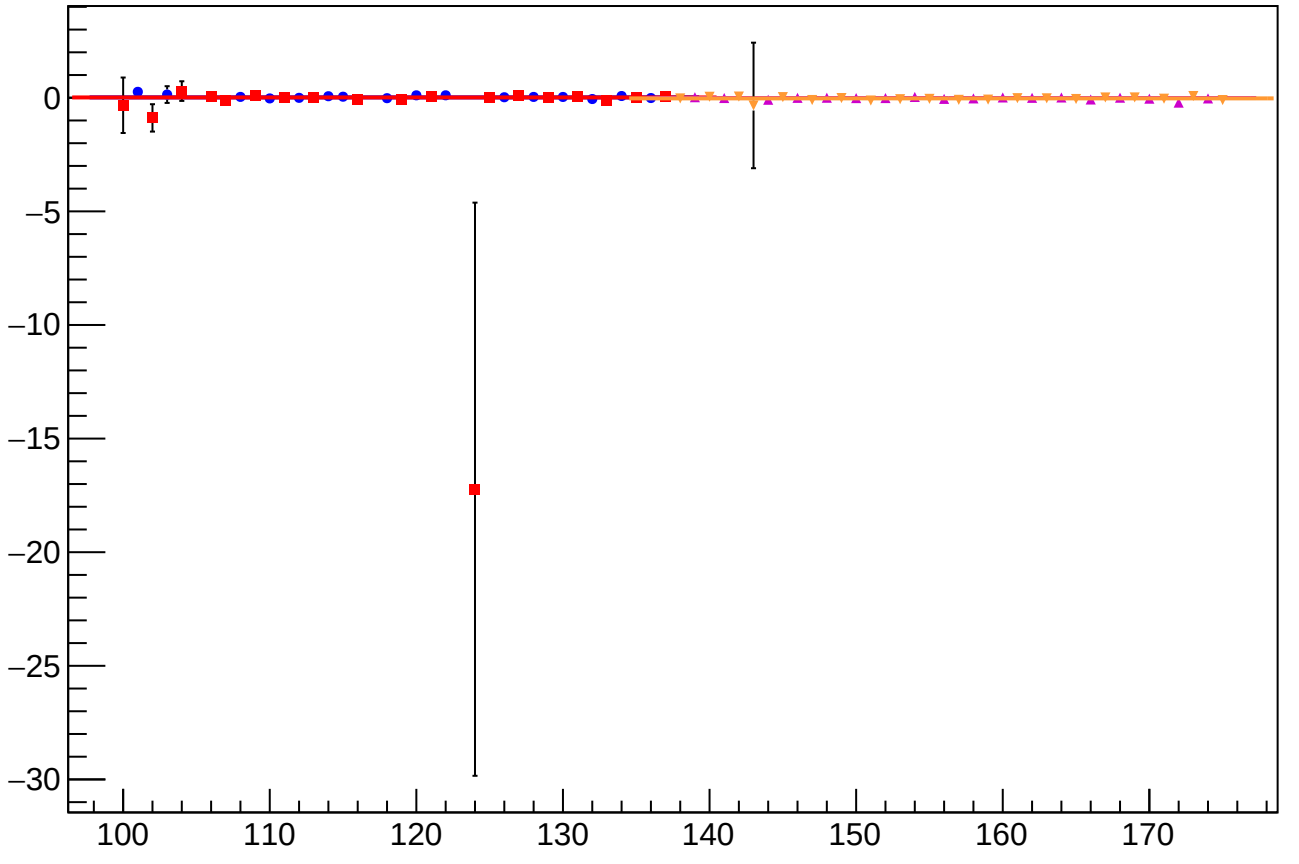
Left In: 0.000+/-0.000 χ^2/NDF:11.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 52.0/35

All: 0.000+/-0.000 χ^2/NDF: 82.5/72

- sign 0.000+/-0.000 χ^2/NDF: 30.2/36


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.003+/-0.000 χ²/NDF:7628338.6/19
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.002+/-0.000 χ²/NDF:7542382.4/17
+ sign 0.003+/-0.000 χ²/NDF: 12536942.9/35
All: 0.003+/-0.000 χ²/NDF: 23525503.9/72
- sign 0.002+/-0.000 χ²/NDF: 10941125.1/36



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

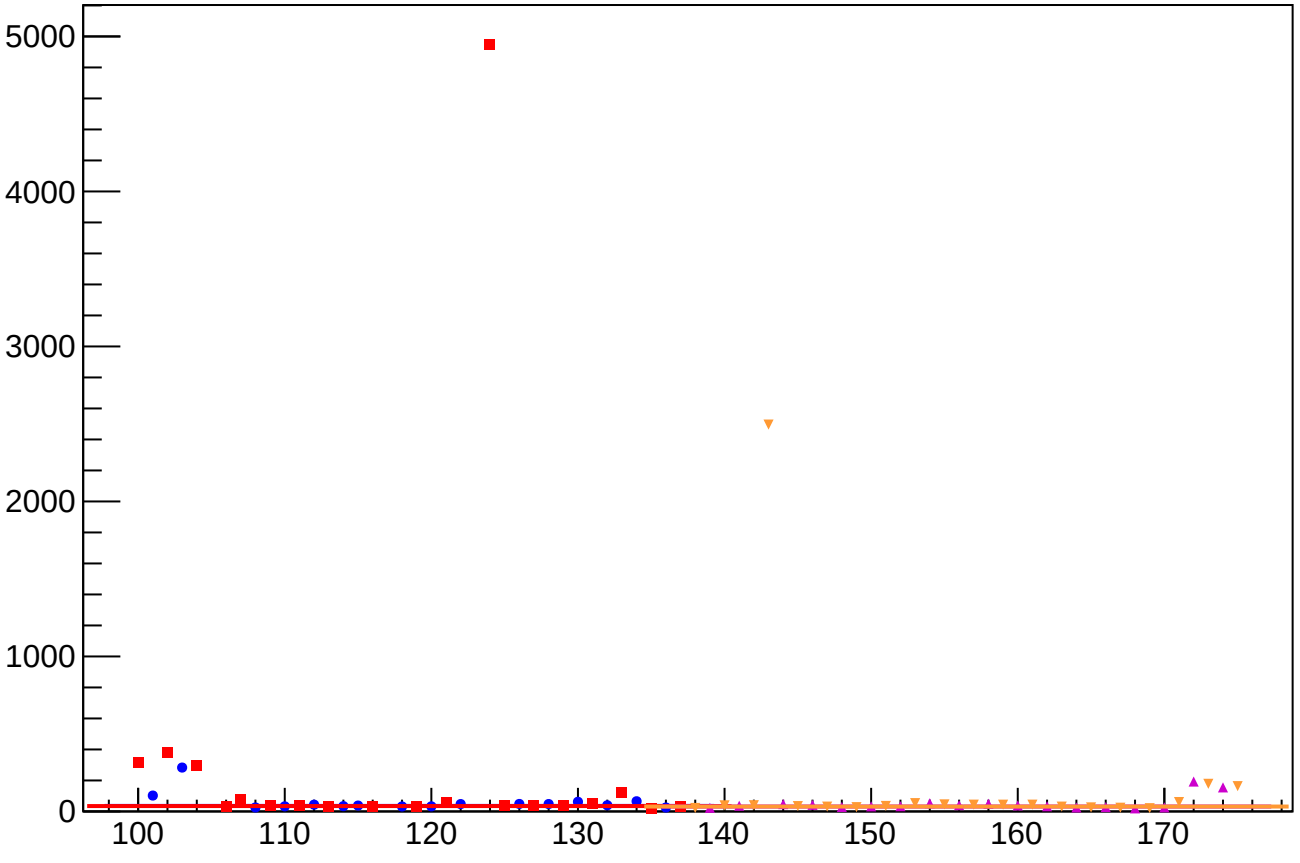
Left In: -0.011+/-0.010 χ^2/NDF:10.7/17

+ sign -0.015+/-0.008 χ^2/NDF: 41.2/35

All: -0.010+/-0.006 χ^2/NDF: 70.7/72

- sign -0.005+/-0.008 χ^2/NDF: 28.6/36

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318765.4/19

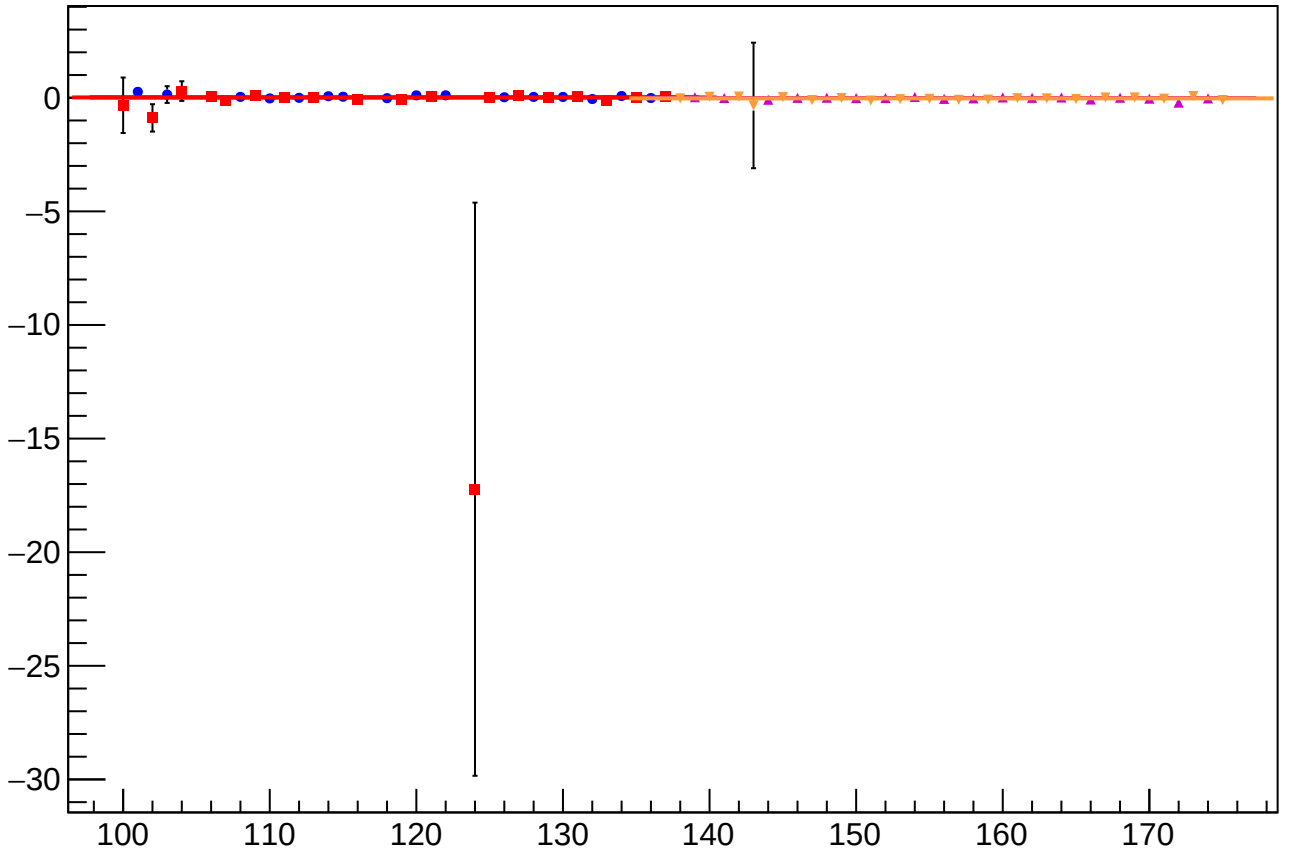
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.830+/-0.007 χ^2/NDF:3762760.2/17

+ sign 32.798+/-0.006 χ^2/NDF: 7683701.7/35

All: 32.716+/-0.004 χ^2/NDF: 14413463.3/72

- sign 32.634+/-0.006 χ^2/NDF: 6729353.7/36



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

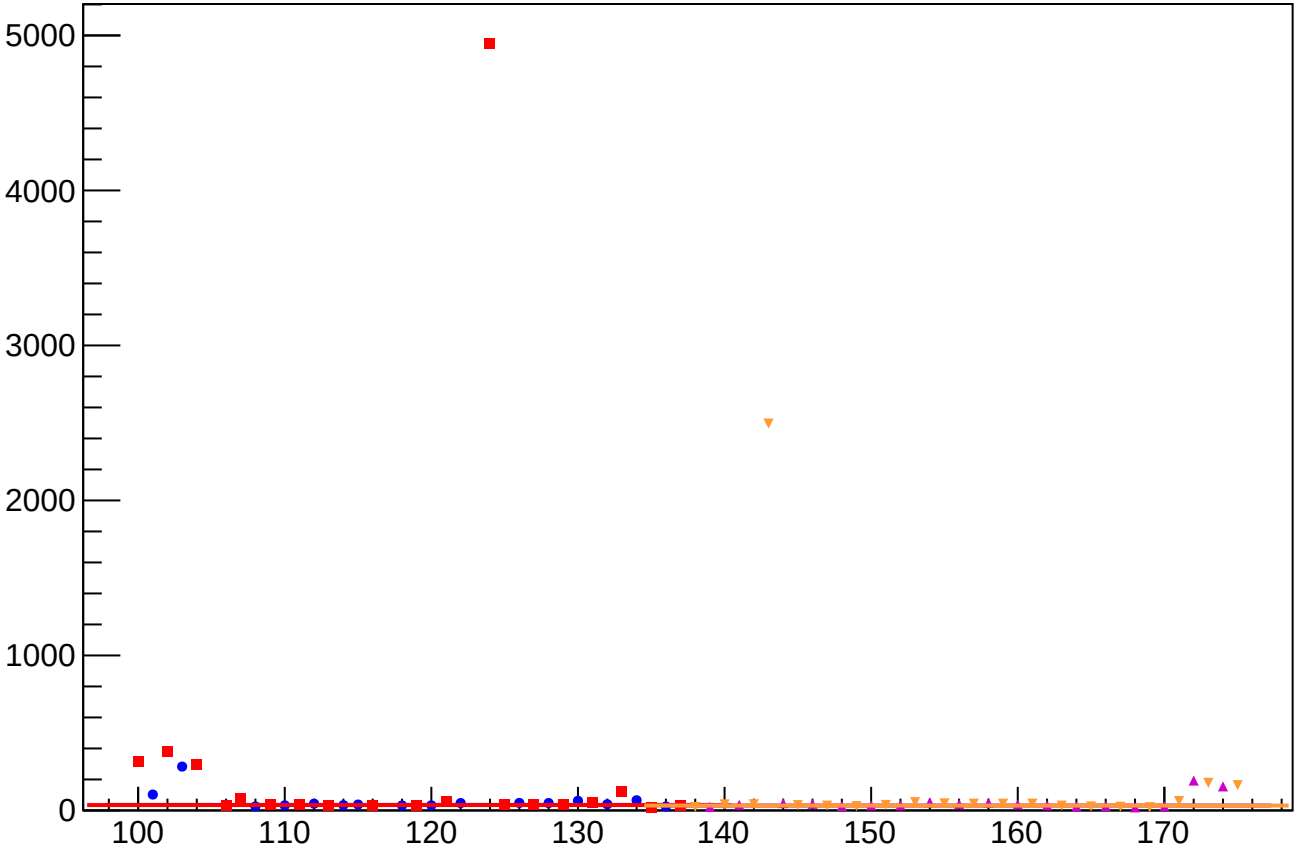
Left In: -0.011+/-0.010 χ^2/NDF:10.7/17

\+ sign -0.015+/-0.008 χ^2/NDF: 41.2/35

All: -0.010+/-0.006 χ^2/NDF: 70.7/72

\- sign -0.005+/-0.008 χ^2/NDF: 28.6/36

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: 31.676+/-0.007 χ^2/NDF:5318765.4/19

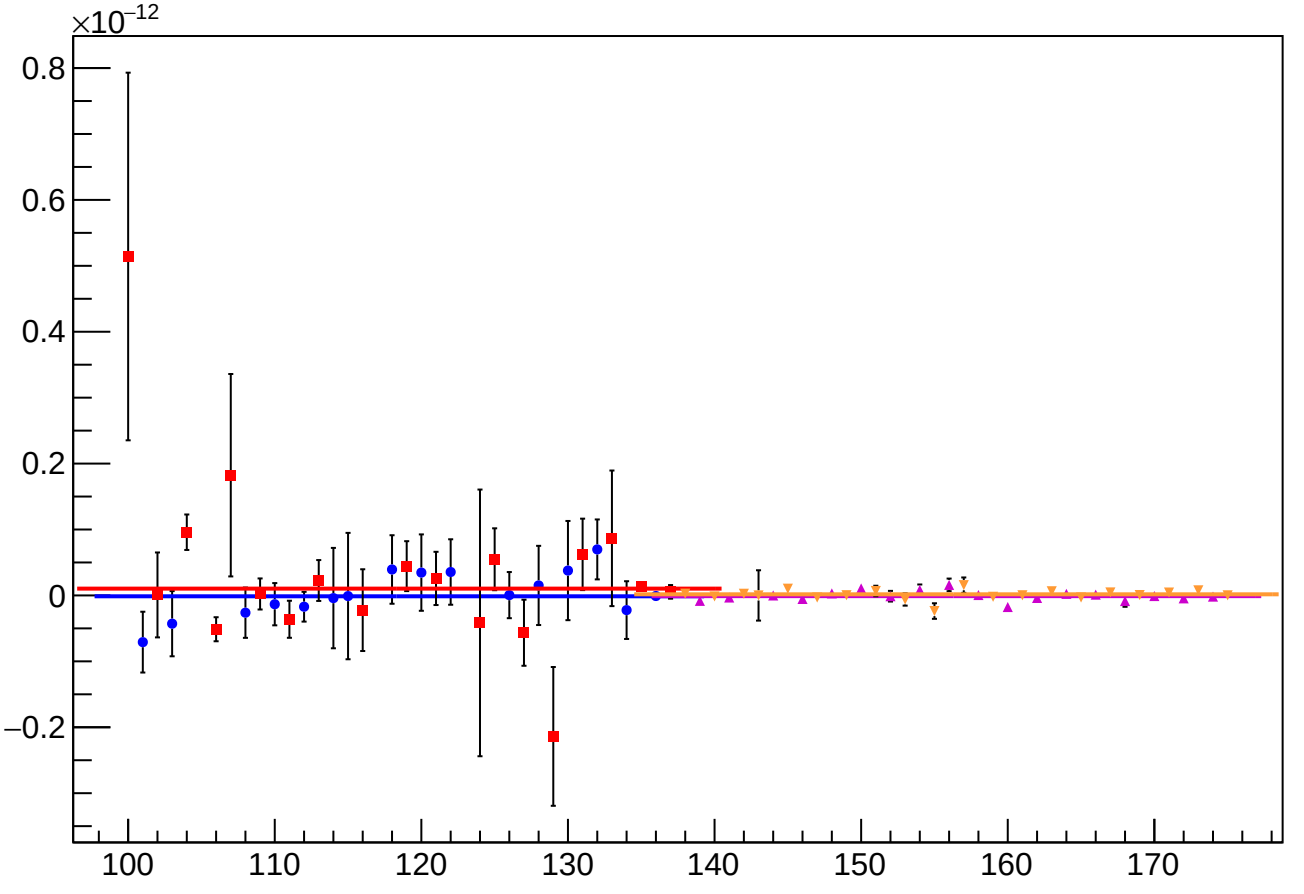
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.830+/-0.007 χ^2/NDF:3762760.2/17

+ sign 32.798+/-0.006 χ^2/NDF: 7683701.7/35

All: 32.716+/-0.004 χ^2/NDF: 14413463.3/72

- sign 32.634+/-0.006 χ^2/NDF: 6729353.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/19

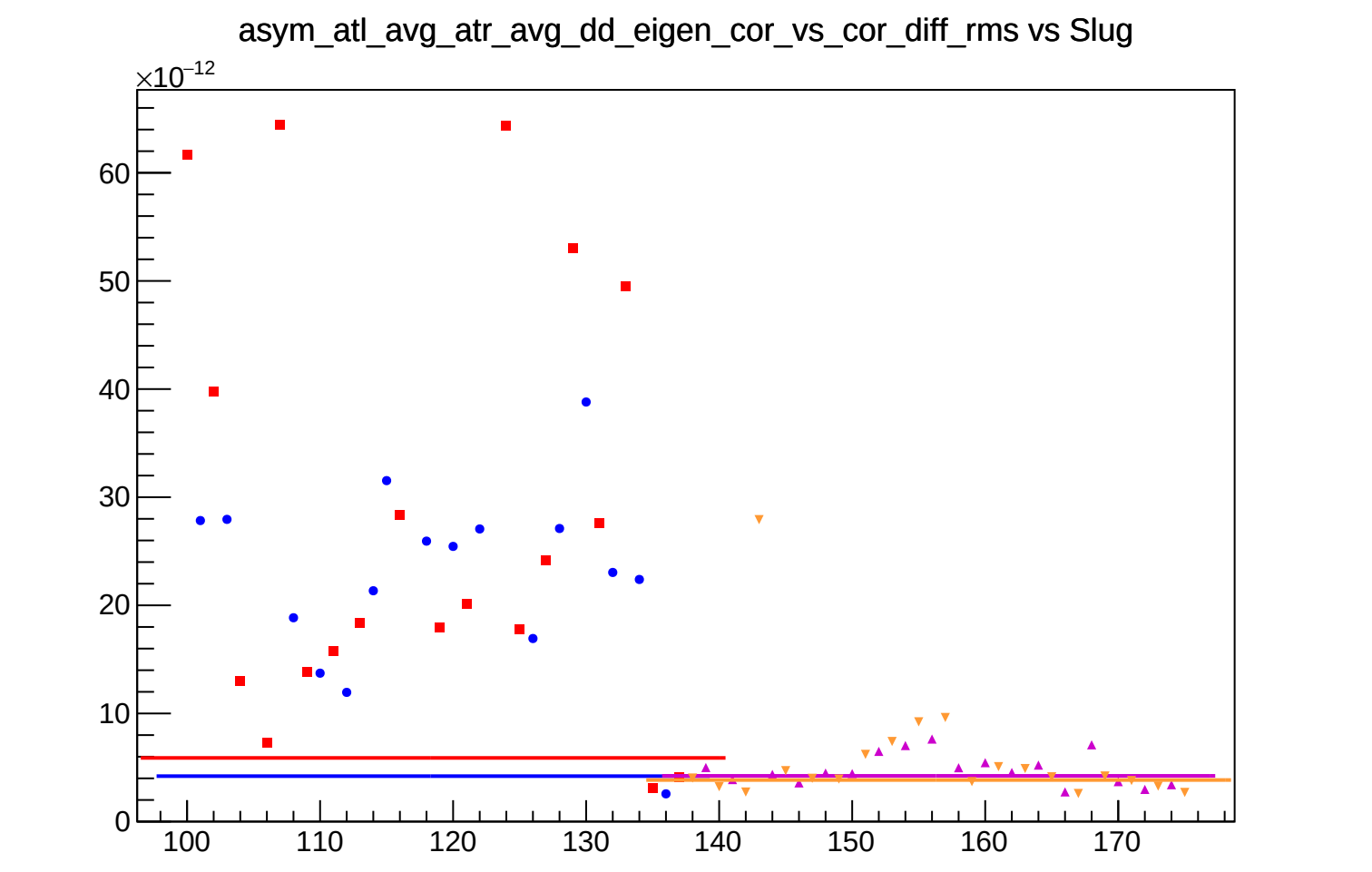
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:19.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 24.2/35

All: 0.000+/-0.000 χ^2/NDF: 90.4/72

- sign -0.000+/-0.000 χ^2/NDF: 65.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2929001.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

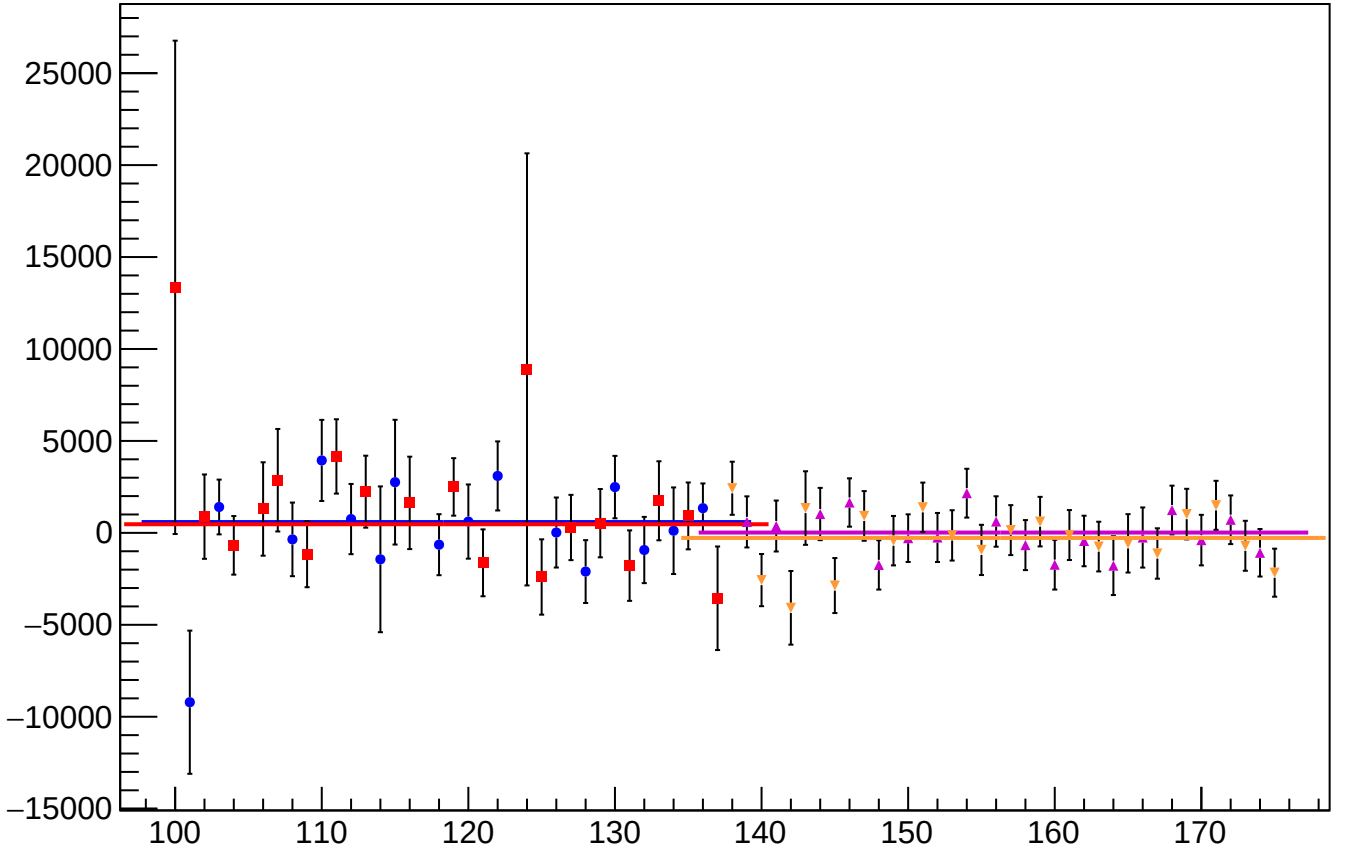
Left In: 0.000+/-0.000 χ^2/NDF:1560233.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 8028485.9/35

All: 0.000+/-0.000 χ^2/NDF: 14899195.8/72

- sign 0.000+/-0.000 χ^2/NDF: 6706698.2/36

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.039+/-316.543 χ^2/NDF:21.9/19

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

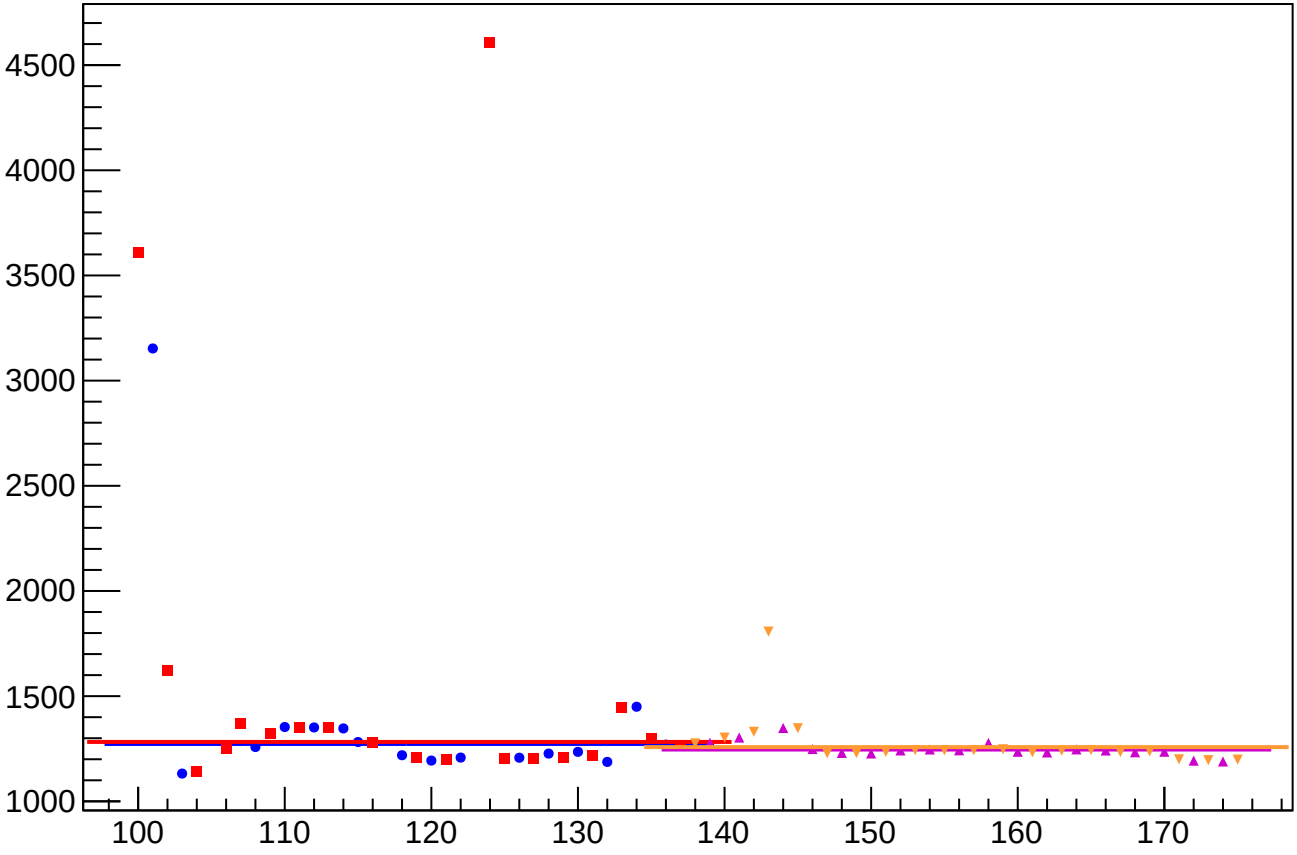
Left In: 17.176+/-323.174 χ^2/NDF:12.2/17

+ sign -15.626+/-264.659 χ^2/NDF: 41.2/35

All: 69.996+/-188.370 χ^2/NDF: 71.0/72

- sign 157.902+/-268.166 χ^2/NDF: 29.6/36

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1257.670+/-0.224 χ^2/NDF:180478.6/19

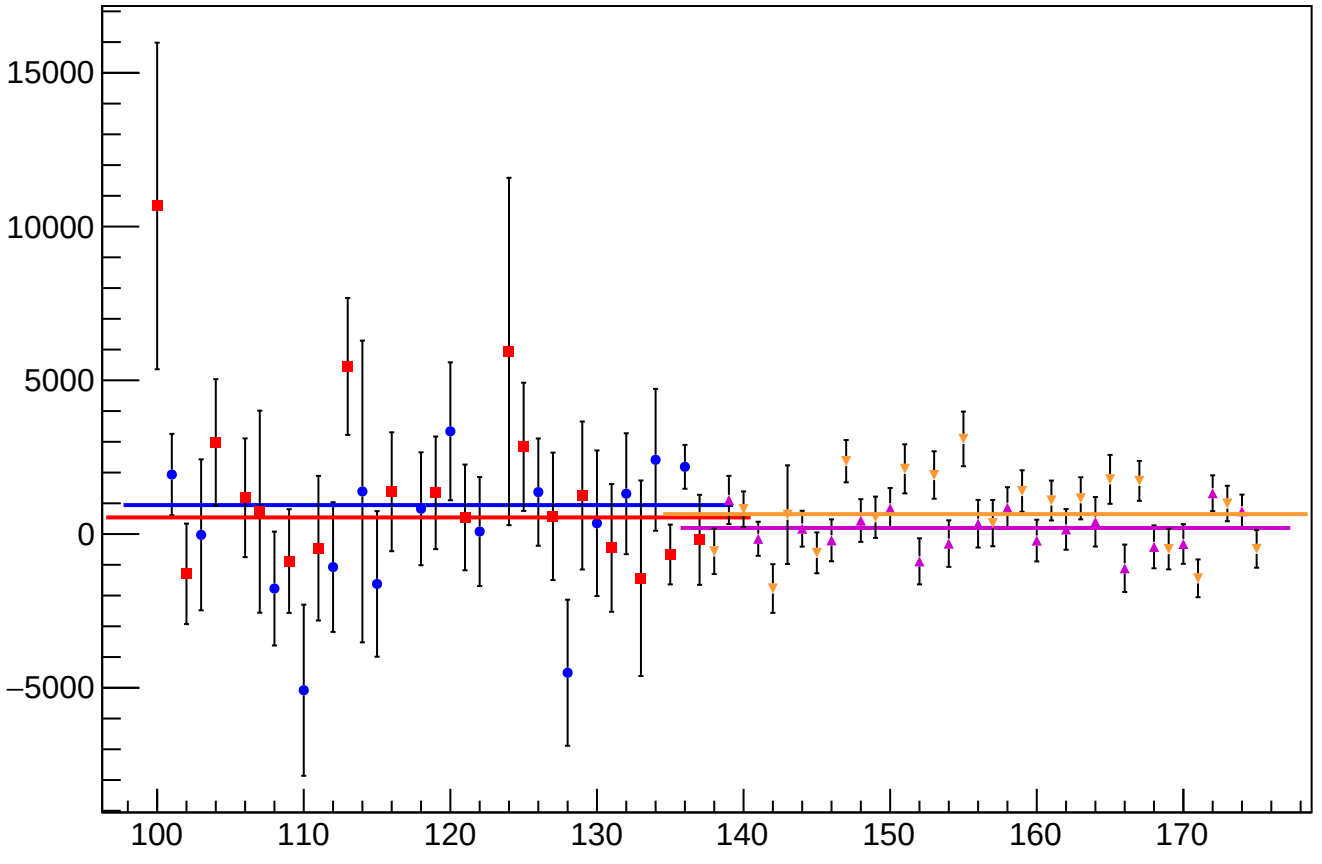
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

+ sign 1262.225+/-0.187 χ^2/NDF: 701152.6/35

All: 1259.885+/-0.133 χ^2/NDF: 1055700.3/72

- sign 1257.483+/-0.190 χ^2/NDF: 354230.9/36



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 648.548+/-156.178 χ^2/NDF:61.2/19

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

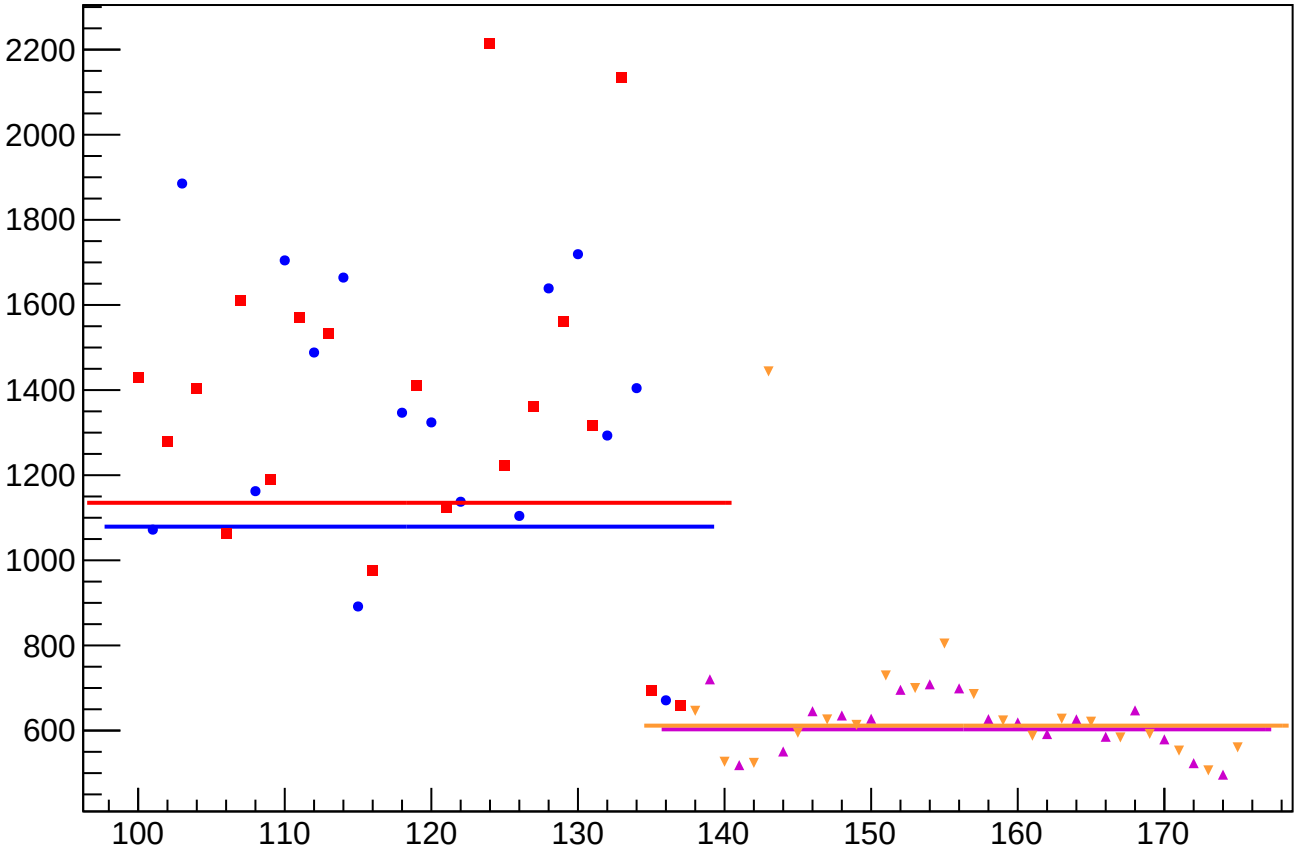
Left In: 198.518+/-157.548 χ^2/NDF:16.2/17

+ sign 683.311+/-146.628 χ^2/NDF: 81.5/35

All: 462.923+/-104.276 χ^2/NDF: 120.1/72

- sign 237.409+/-148.323 χ^2/NDF: 33.9/36

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 611.556+/-0.110 χ^2/NDF:905743.8/19

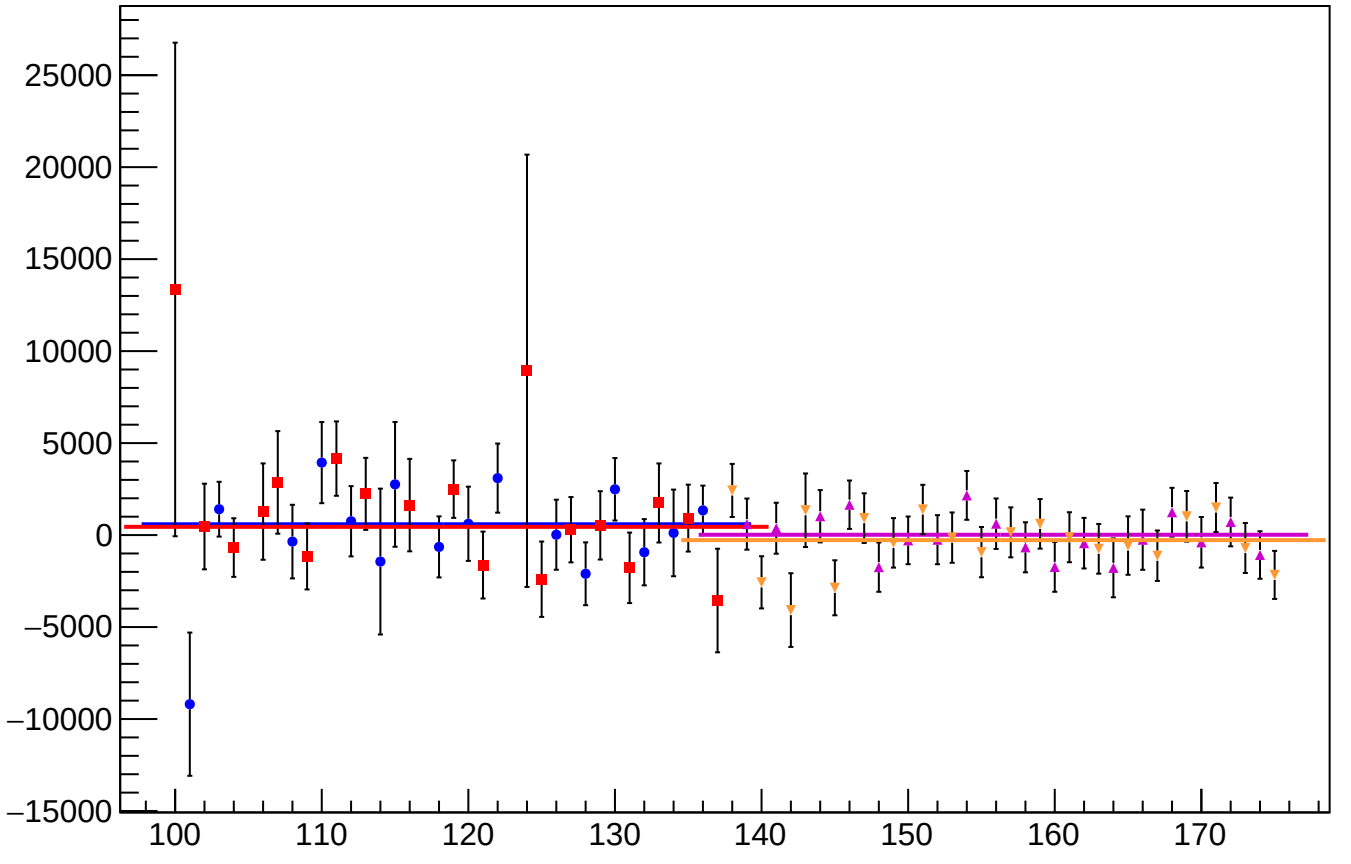
Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 602.855+/-0.111 χ^2/NDF:355480.9/17

+ sign 666.992+/-0.104 χ^2/NDF: 4513255.3/35

All: 665.201+/-0.074 χ^2/NDF: 8757940.0/72

- sign 663.369+/-0.105 χ^2/NDF: 4244081.4/36



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.098+/-316.543 χ^2/NDF:21.9/19

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

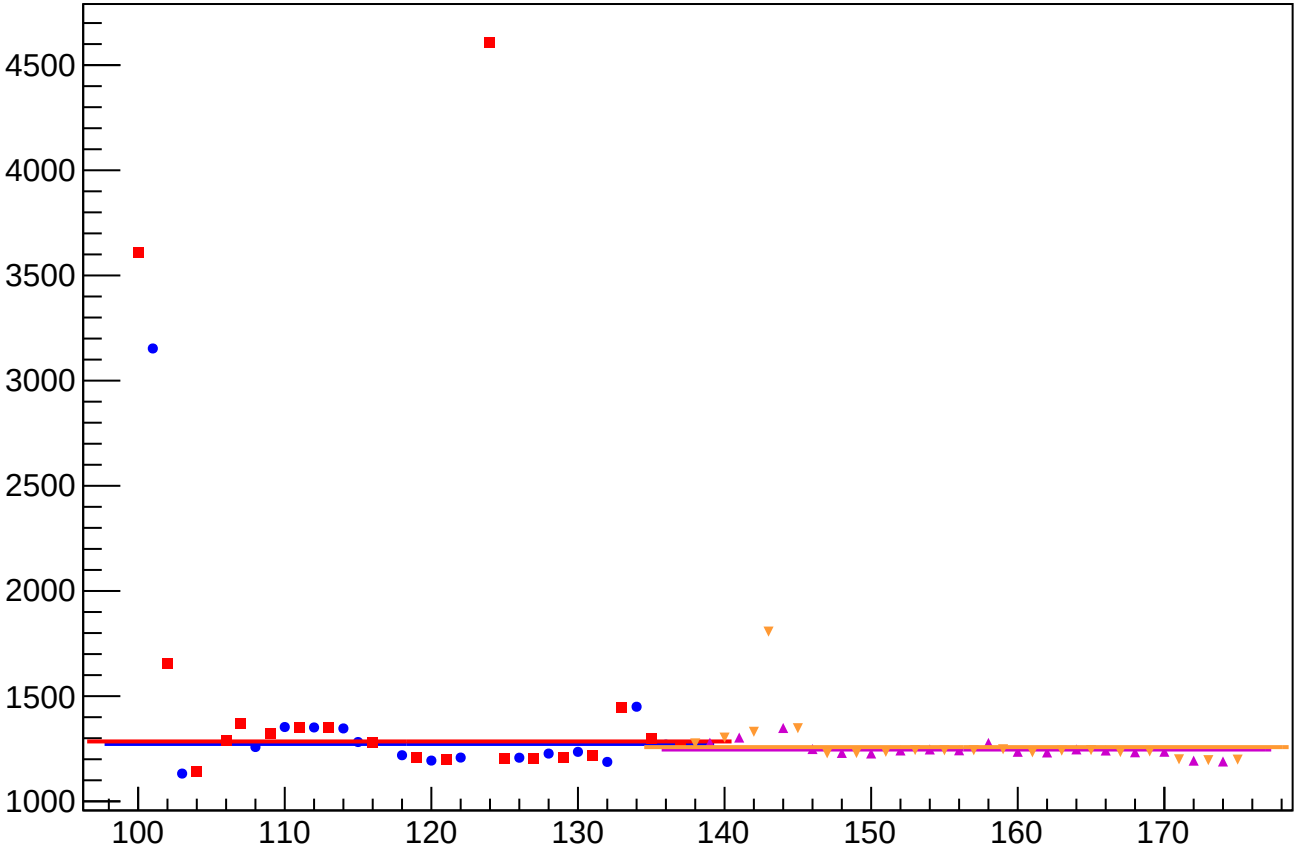
Left In: 17.218+/-323.174 χ^2/NDF:12.2/17

\+ sign -15.571+/-264.659 χ^2/NDF: 41.2/35

All: 66.673+/-188.419 χ^2/NDF: 70.9/72

\- sign 151.200+/-268.308 χ^2/NDF: 29.5/36

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1257.671+/-0.224 χ^2/NDF:180478.6/19

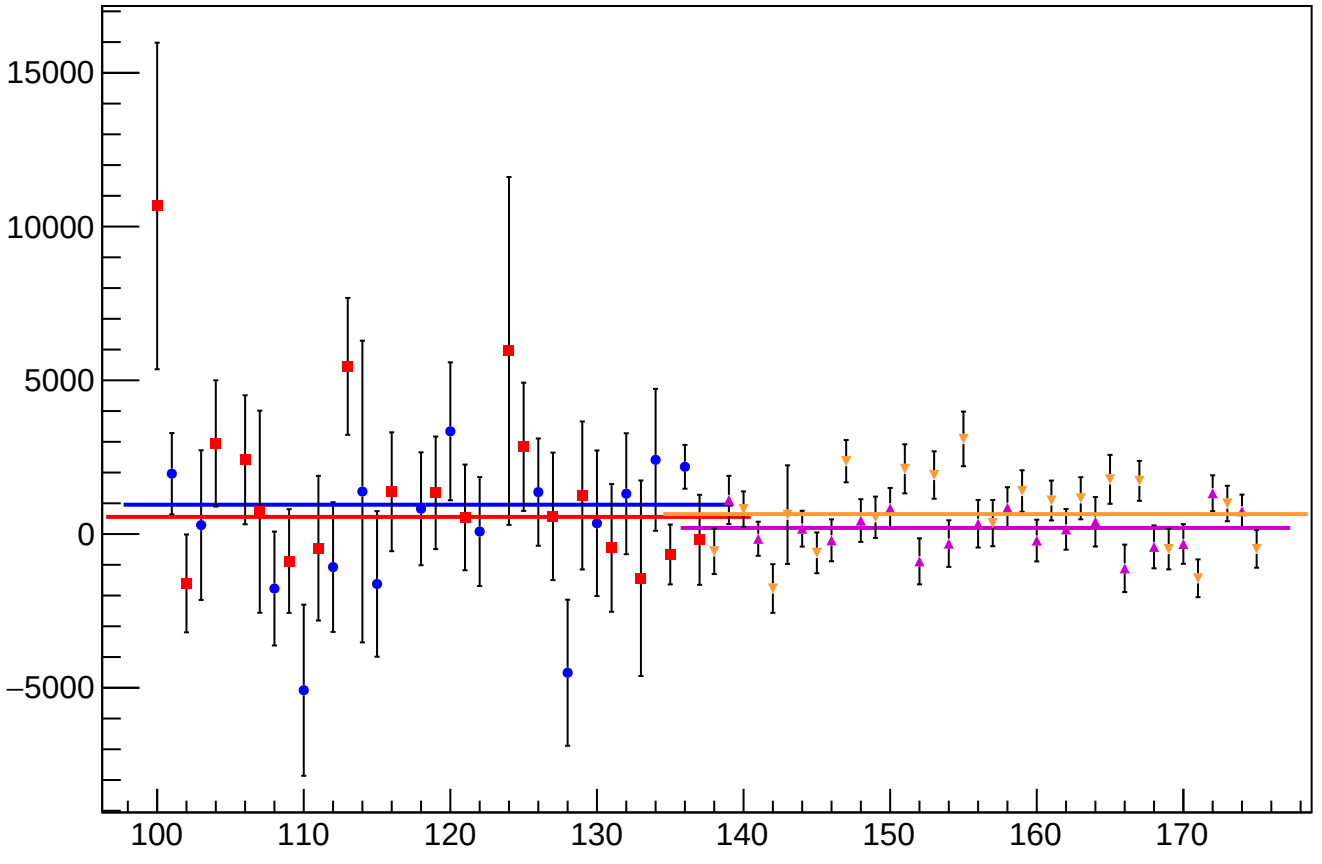
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

+ sign 1262.225+/-0.187 χ^2/NDF: 701154.0/35

All: 1260.224+/-0.133 χ^2/NDF: 1063270.4/72

- sign 1258.168+/-0.190 χ^2/NDF: 361884.7/36



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 648.568+/-156.179 χ^2/NDF:61.2/19

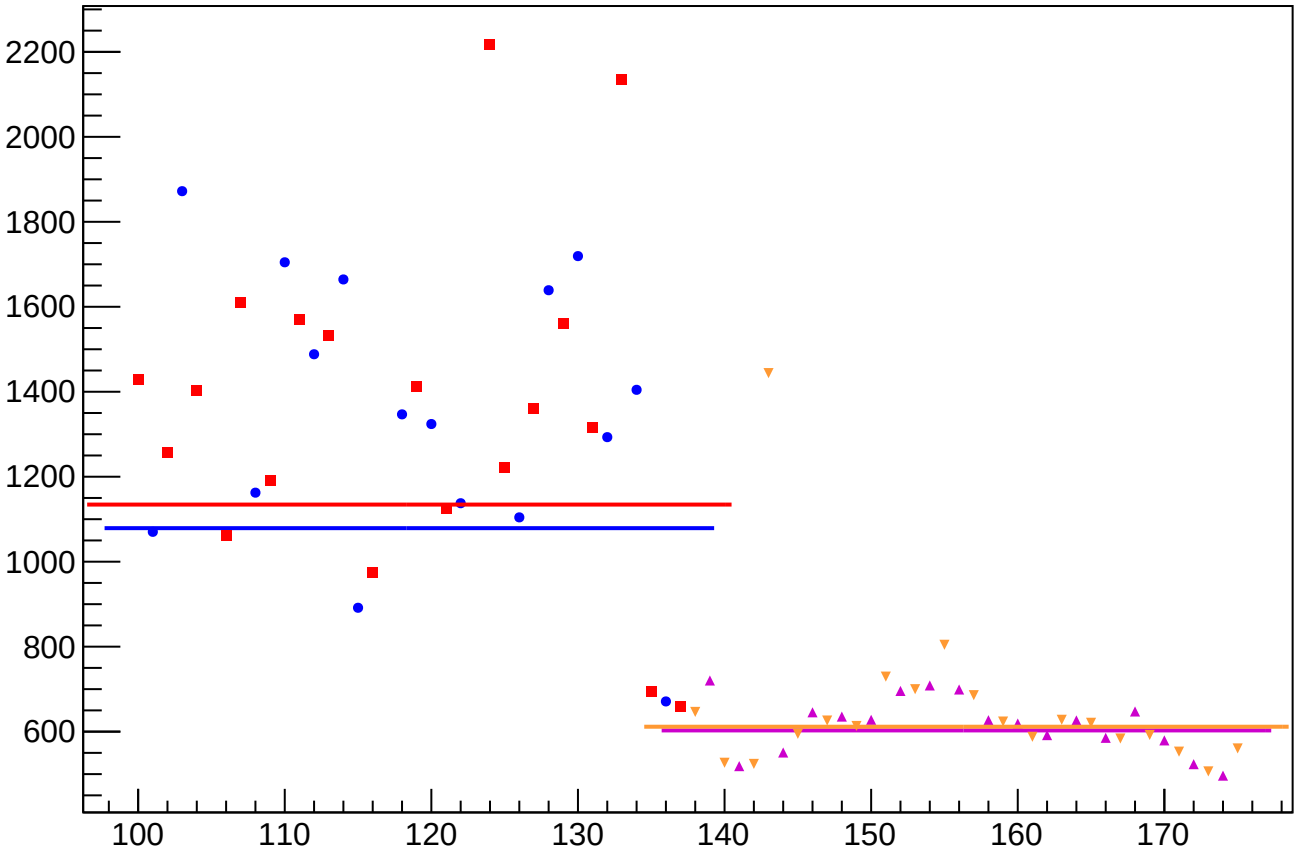
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 198.504+/-157.548 χ^2/NDF:16.2/17

+ sign 684.824+/-146.621 χ^2/NDF: 81.5/35

All: 464.644+/-104.284 χ^2/NDF: 121.3/72

- sign 239.225+/-148.355 χ^2/NDF: 35.2/36



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 611.559+/-0.110 χ^2/NDF:905692.9/19

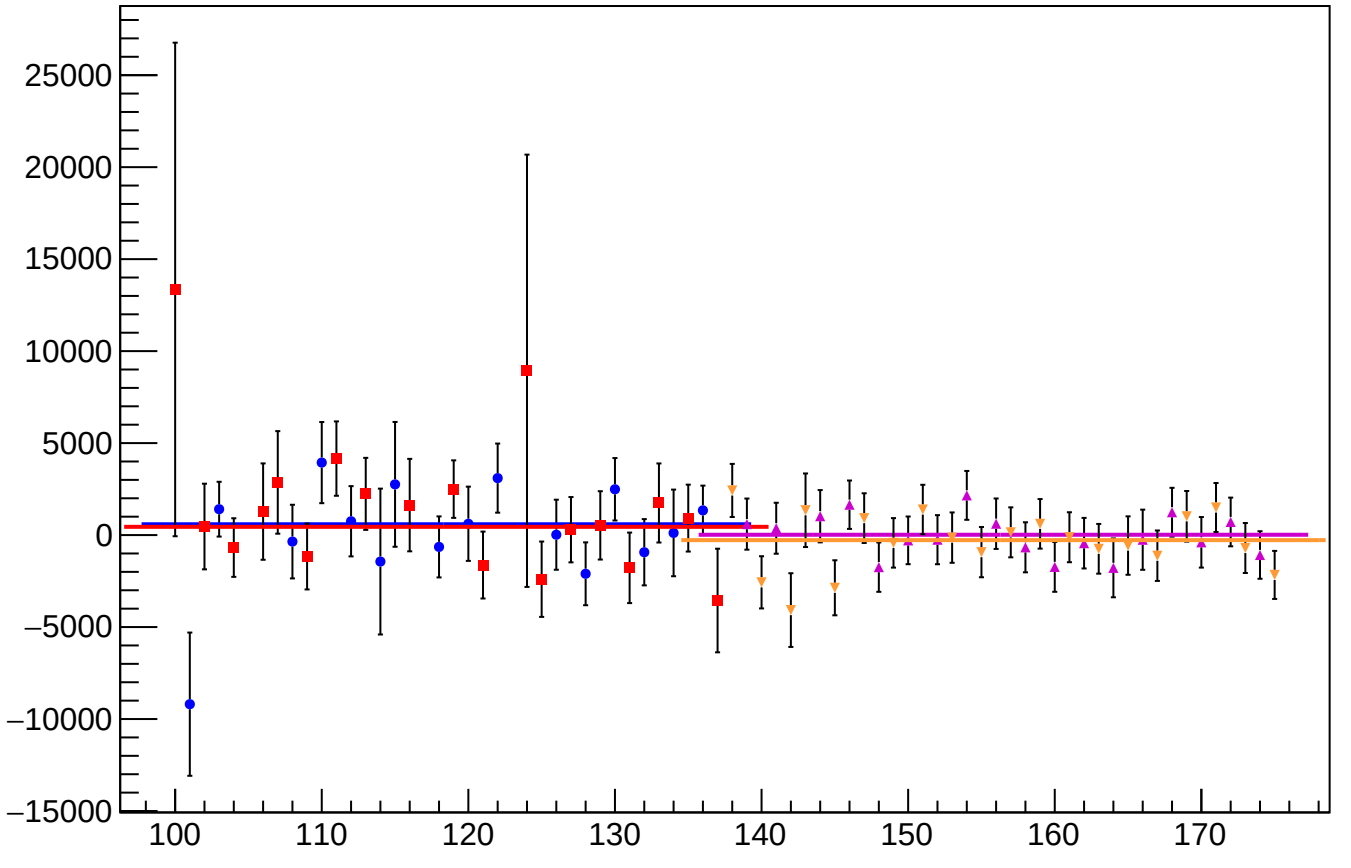
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 602.851+/-0.111 χ^2/NDF:355503.8/17

+ sign 667.013+/-0.104 χ^2/NDF: 4509511.3/35

All: 665.067+/-0.074 χ^2/NDF: 8734161.8/72

- sign 663.075+/-0.105 χ^2/NDF: 4223937.8/36



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.098+/-316.543 χ^2/NDF:21.9/19

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

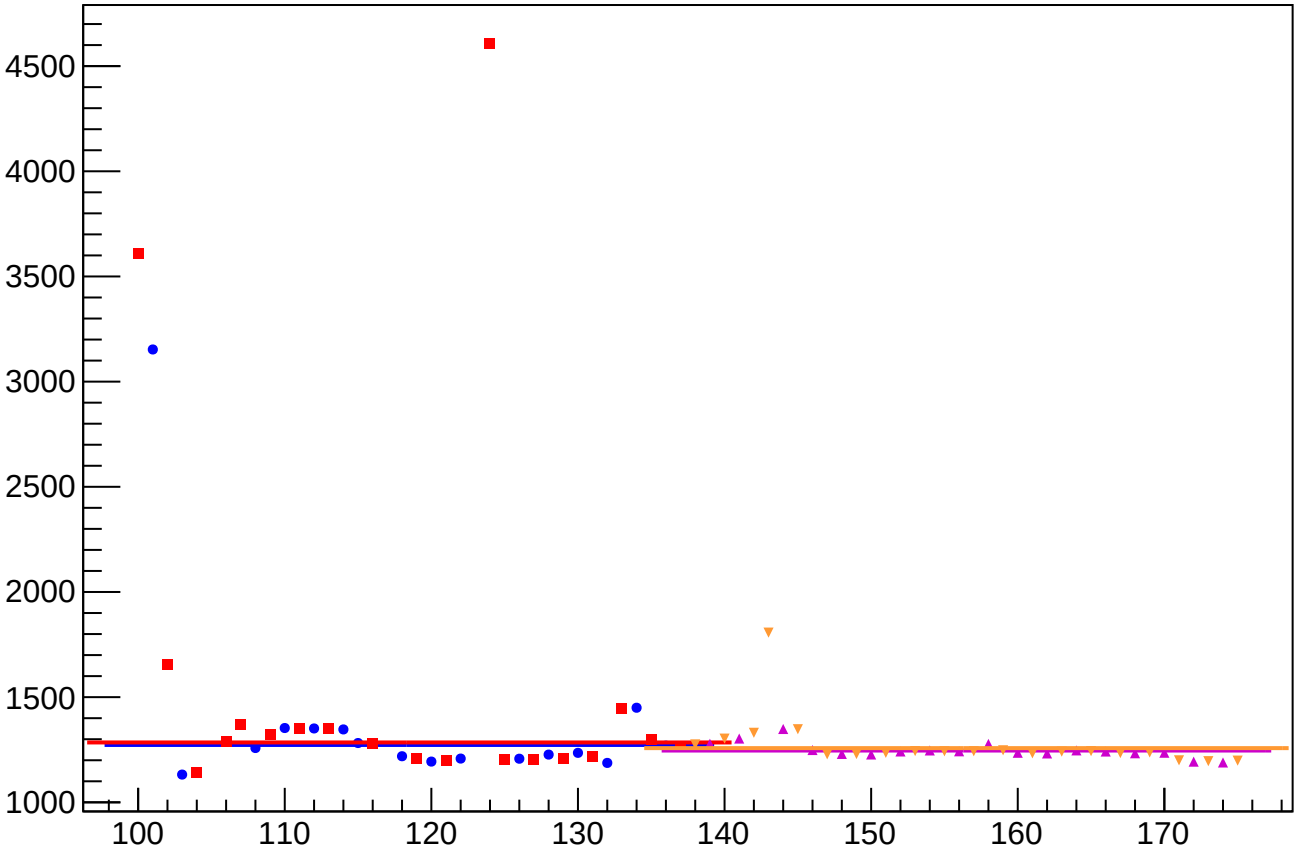
Left In: 17.218+/-323.174 χ^2/NDF:12.2/17

\+ sign -15.571+/-264.659 χ^2/NDF: 41.2/35

All: 66.673+/-188.419 χ^2/NDF: 70.9/72

\- sign 151.200+/-268.308 χ^2/NDF: 29.5/36

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1257.671+/-0.224 χ^2/NDF:180478.6/19

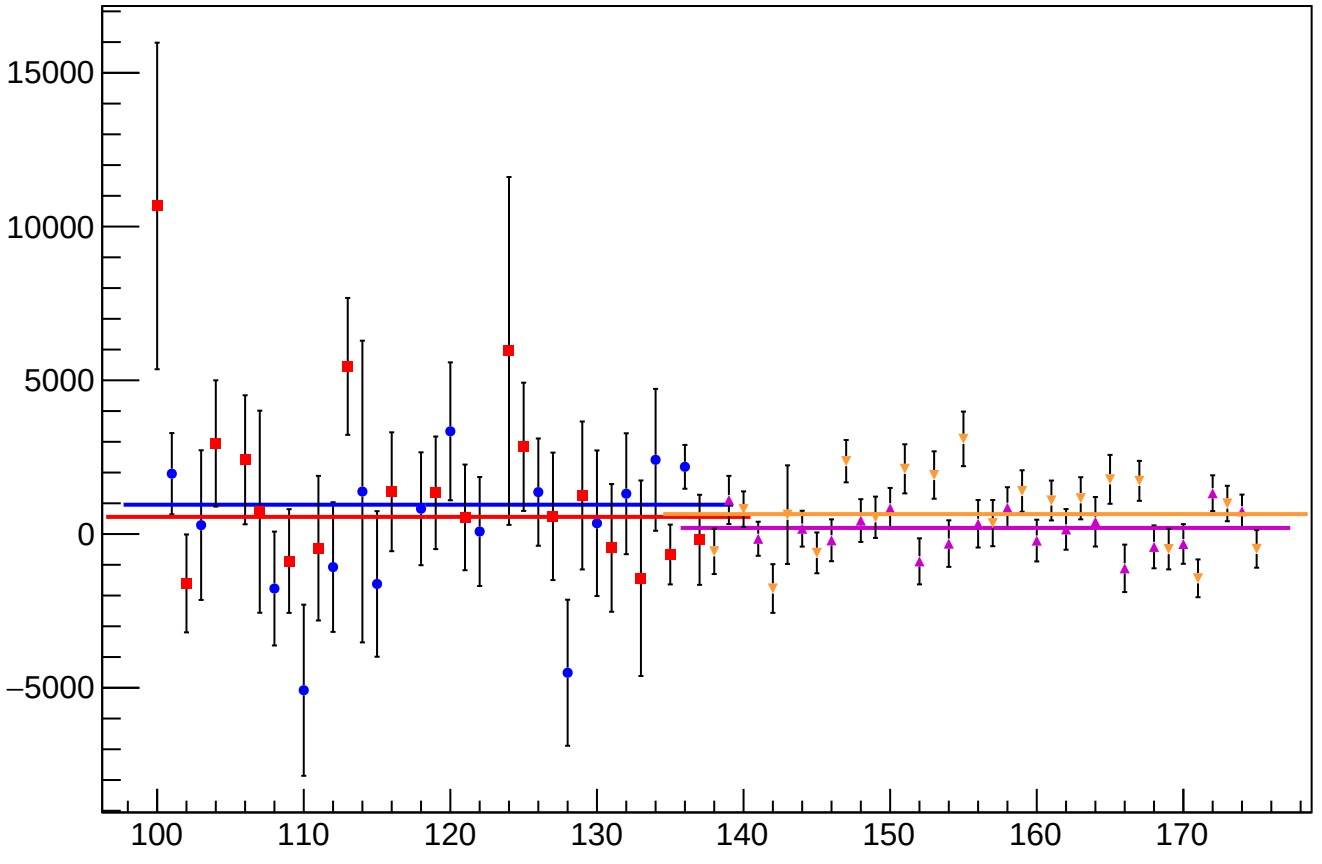
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

+ sign 1262.225+/-0.187 χ^2/NDF: 701154.0/35

All: 1260.224+/-0.133 χ^2/NDF: 1063270.4/72

- sign 1258.168+/-0.190 χ^2/NDF: 361884.7/36



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 648.568+/-156.179 χ^2/NDF:61.2/19

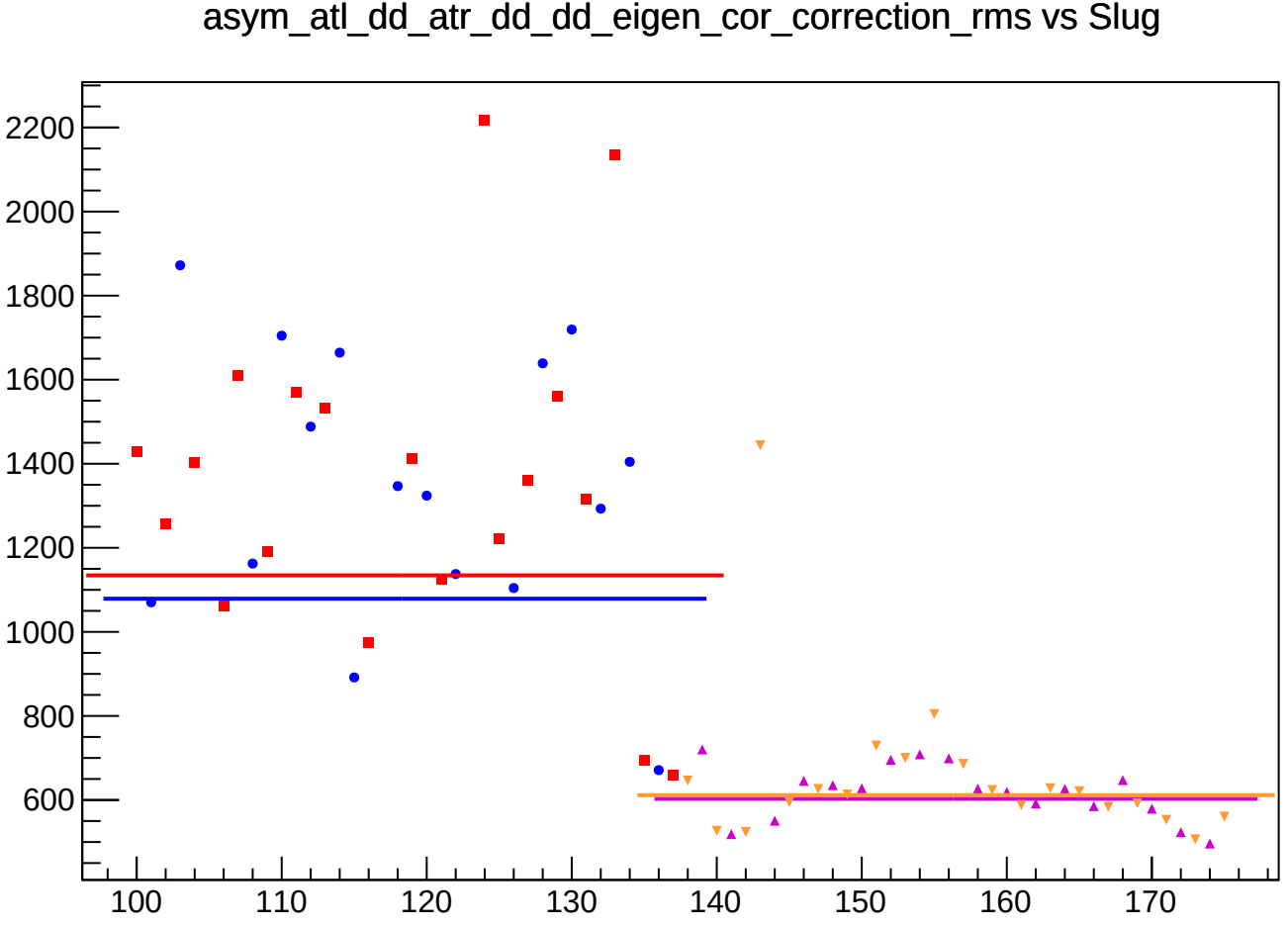
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 198.504+/-157.548 χ^2/NDF:16.2/17

+ sign 684.824+/-146.621 χ^2/NDF: 81.5/35

All: 464.644+/-104.284 χ^2/NDF: 121.3/72

- sign 239.225+/-148.355 χ^2/NDF: 35.2/36



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 611.559+/-0.110 χ^2/NDF:905692.9/19

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

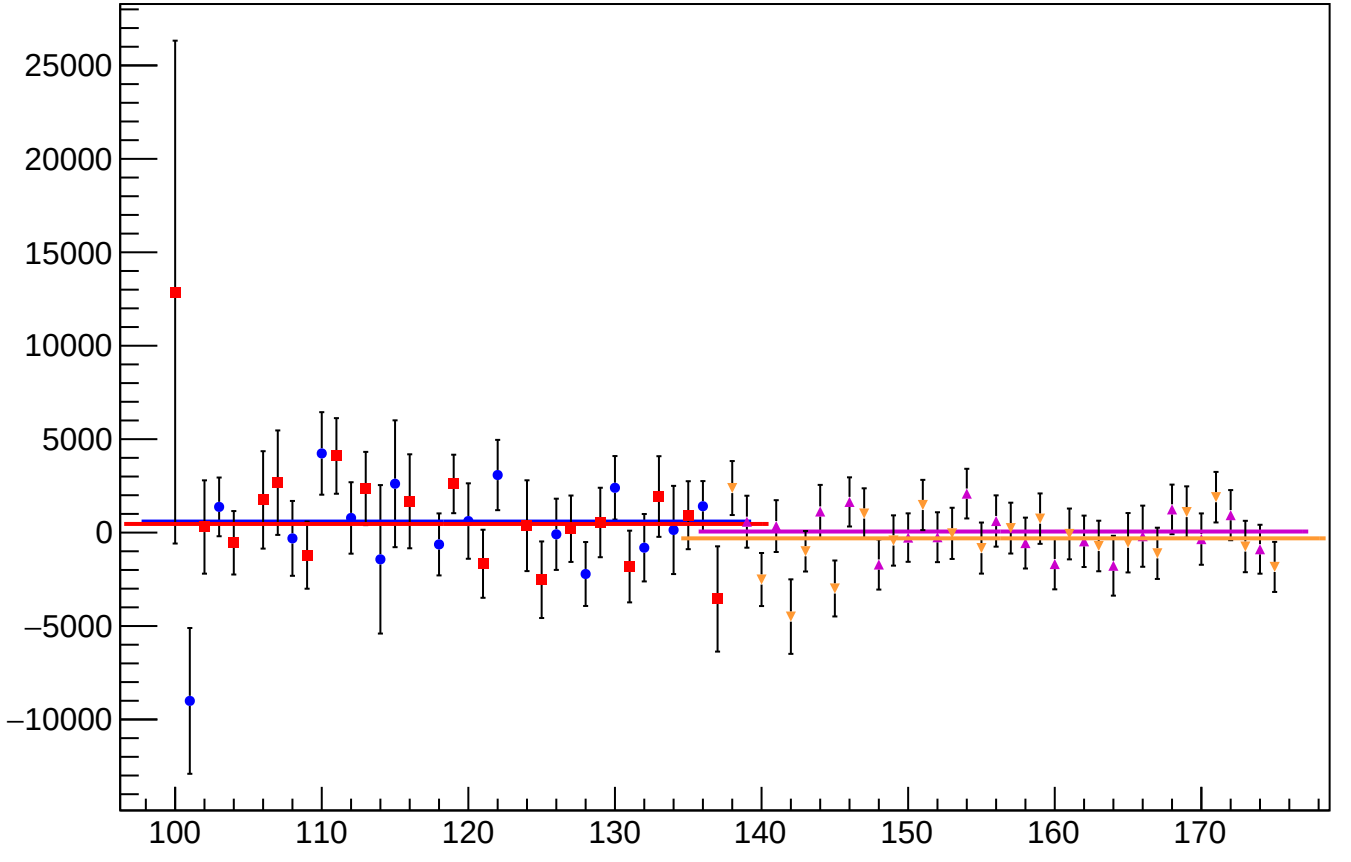
Left In: 602.851+/-0.111 χ^2/NDF:355503.8/17

+ sign 667.013+/-0.104 χ^2/NDF: 4509511.3/35

All: 665.067+/-0.074 χ^2/NDF: 8734161.8/72

- sign 663.075+/-0.105 χ^2/NDF: 4223937.8/36

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -307.984+/-308.452 χ^2/NDF:23.2/19

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

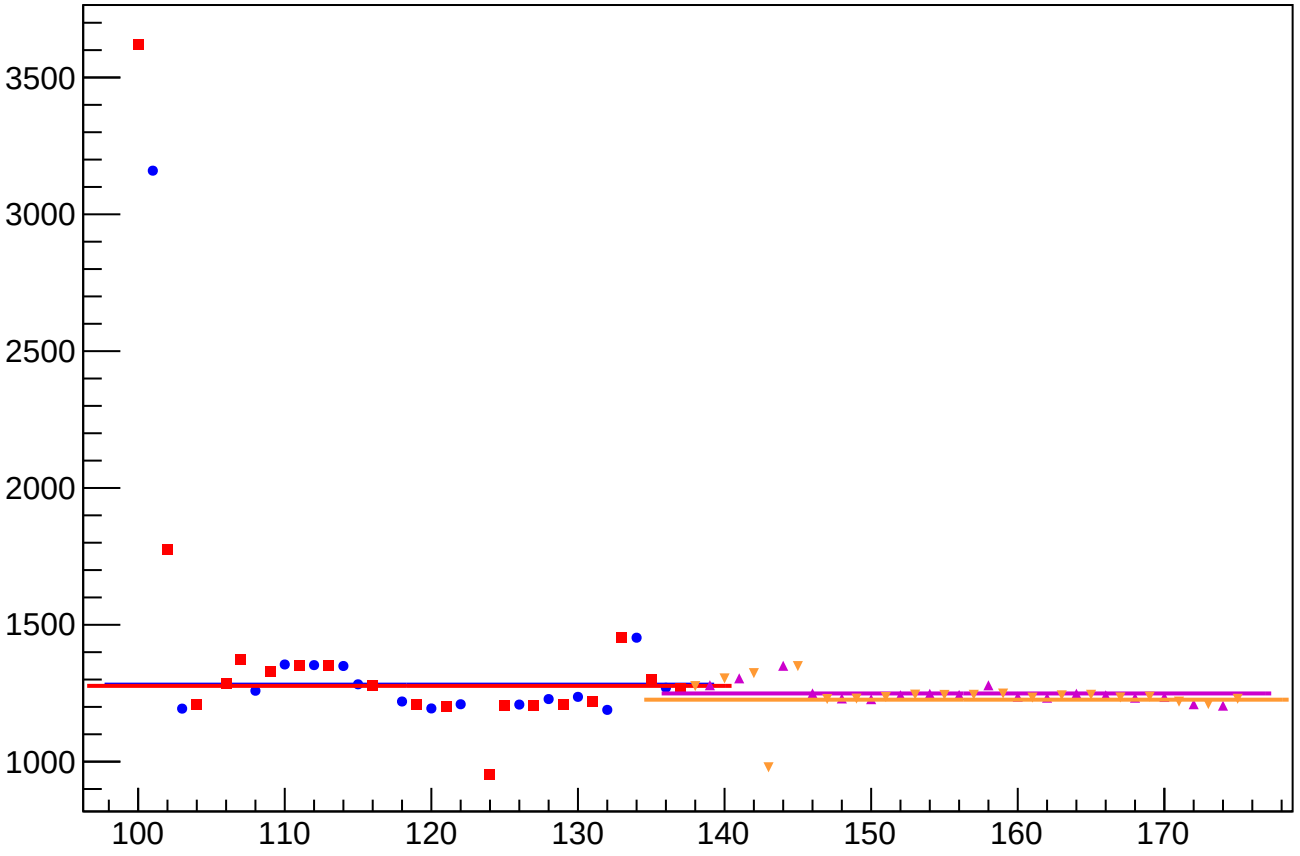
Left In: 57.172+/-323.922 χ^2/NDF:11.7/17

+ sign -49.647+/-260.348 χ^2/NDF: 42.7/35

All: 64.406+/-186.719 χ^2/NDF: 72.0/72

- sign 185.205+/-267.937 χ^2/NDF: 28.9/36

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.396+/-0.218 χ^2/NDF:133269.0/19

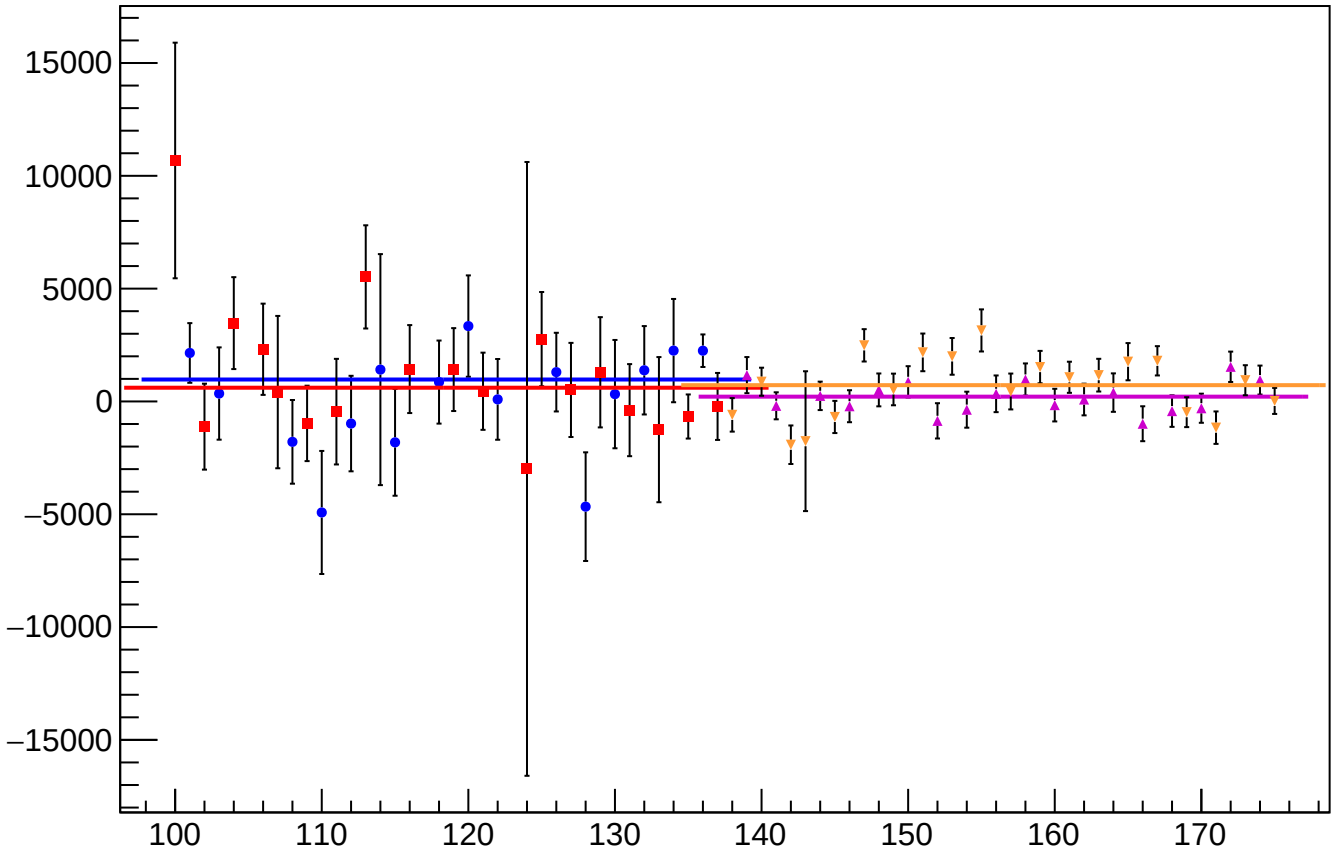
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1249.177+/-0.229 χ^2/NDF:21061.1/17

+ sign 1242.205+/-0.184 χ^2/NDF: 658616.6/35

All: 1249.836+/-0.132 χ^2/NDF: 908342.9/72

- sign 1257.919+/-0.189 χ^2/NDF: 246187.8/36



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 721.544+/-164.925 χ^2/NDF:53.8/19

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

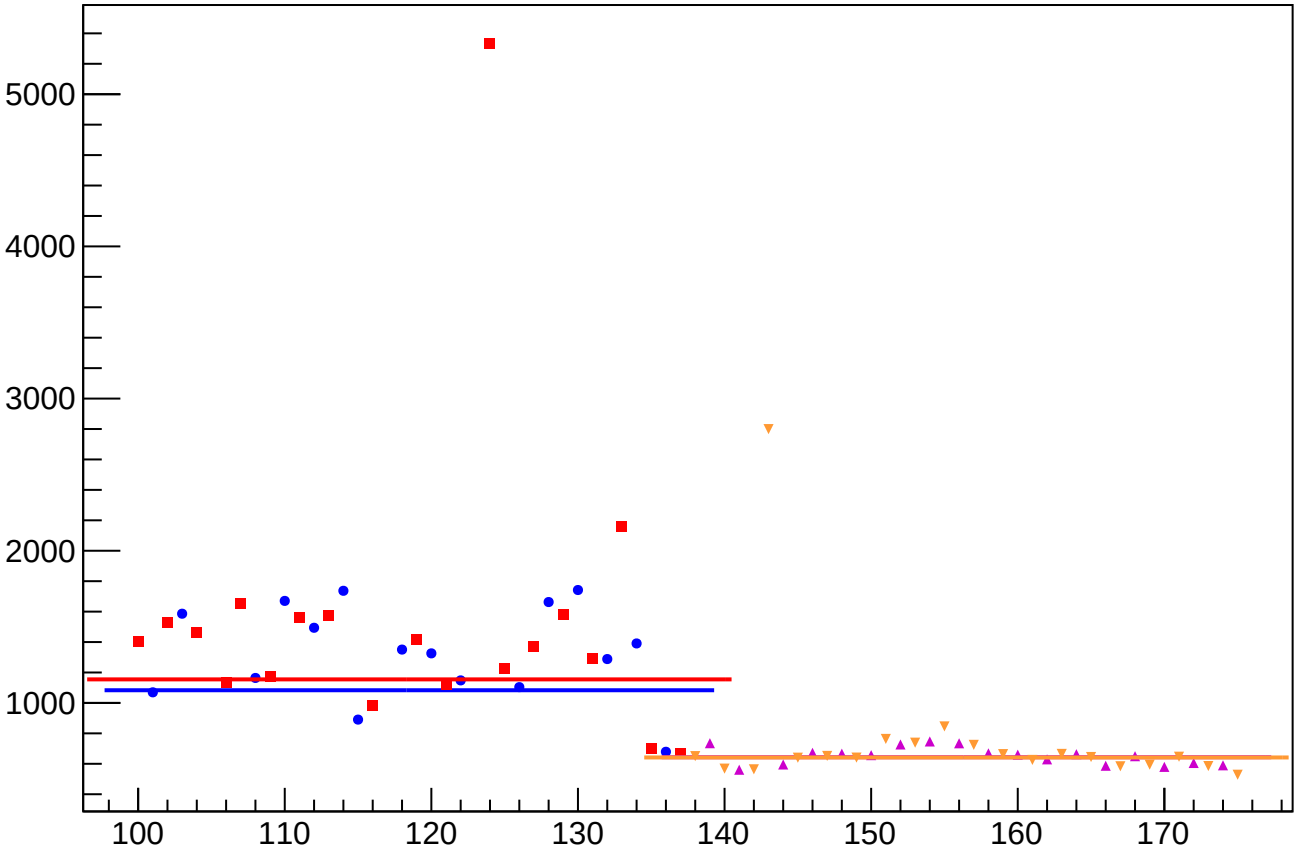
Left In: 212.114+/-167.661 χ^2/NDF:16.3/17

+ sign 754.332+/-153.764 χ^2/NDF: 74.5/35

All: 512.751+/-109.859 χ^2/NDF: 113.6/72

- sign 260.853+/-157.013 χ^2/NDF: 34.1/36

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 641.607+/-0.117 χ^2/NDF:1326091.2/19

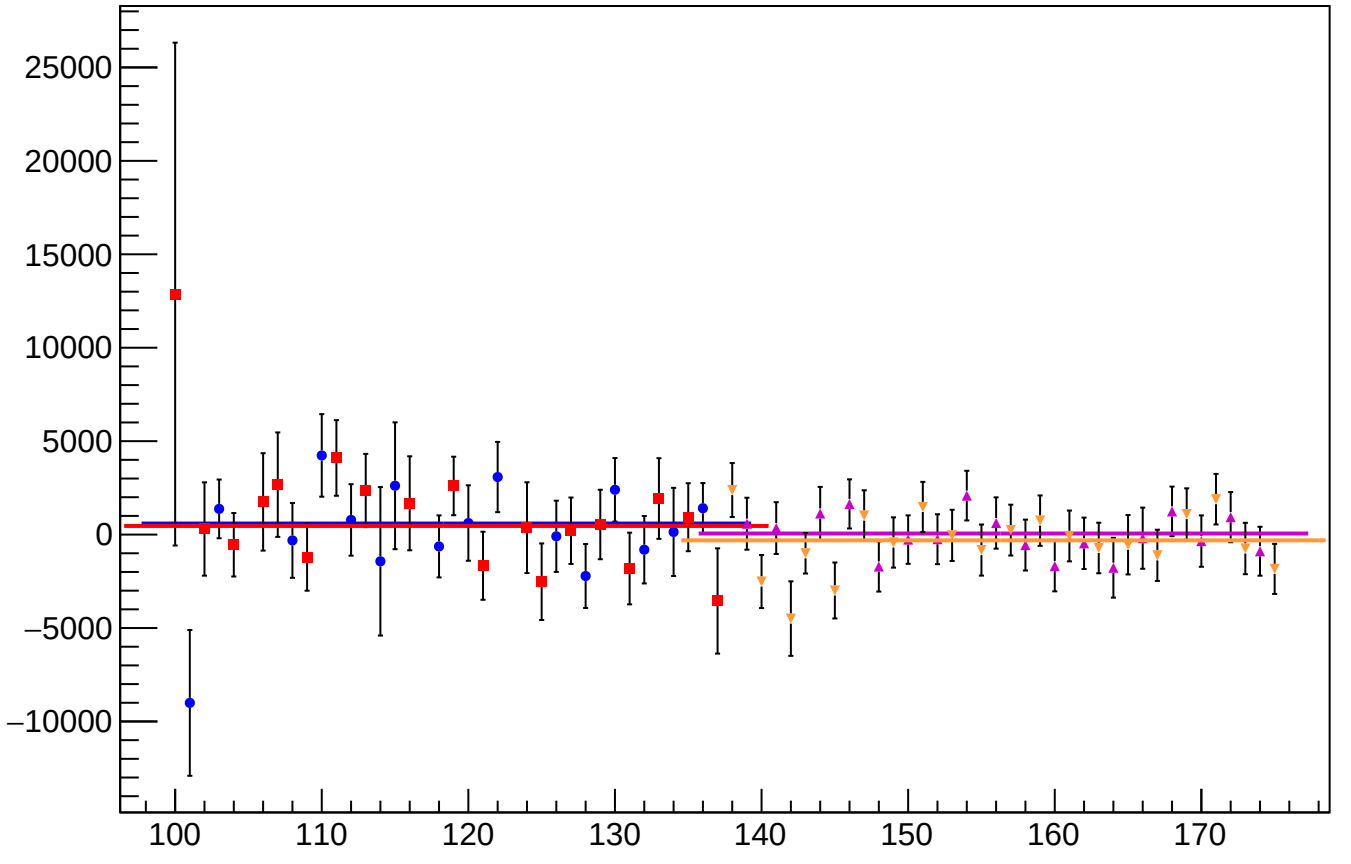
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 643.230+/-0.119 χ^2/NDF:219442.5/17

+ sign 699.369+/-0.109 χ^2/NDF: 4562330.6/35

All: 702.680+/-0.078 χ^2/NDF: 8561155.6/72

- sign 706.134+/-0.111 χ^2/NDF: 3996929.9/36



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -307.986+/-308.452 χ^2/NDF:23.2/19

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

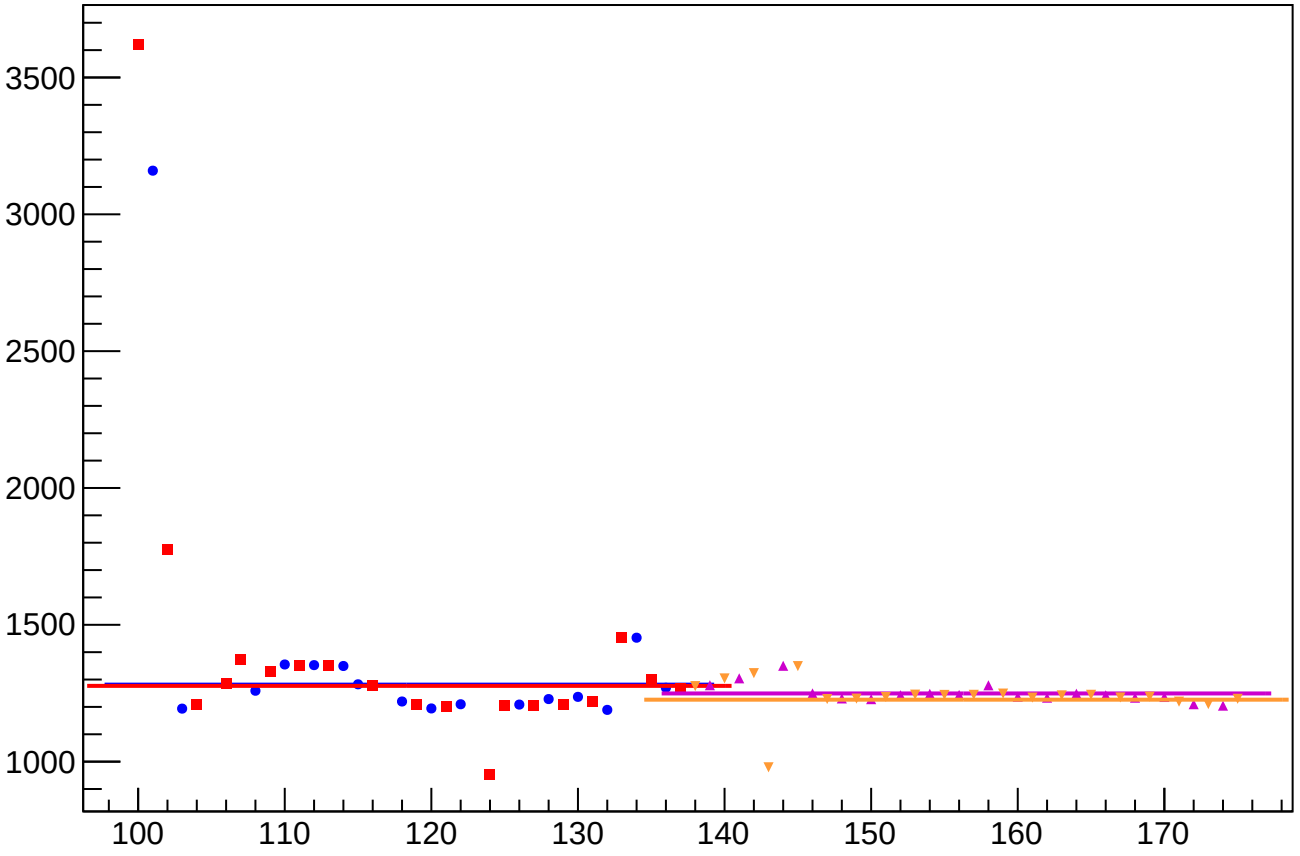
Left In: 57.171+/-323.922 χ^2/NDF:11.7/17

\+ sign -49.648+/-260.348 χ^2/NDF: 42.7/35

All: 64.405+/-186.719 χ^2/NDF: 72.0/72

\- sign 185.204+/-267.937 χ^2/NDF: 28.9/36

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1226.396+/-0.218 χ^2/NDF:133268.3/19

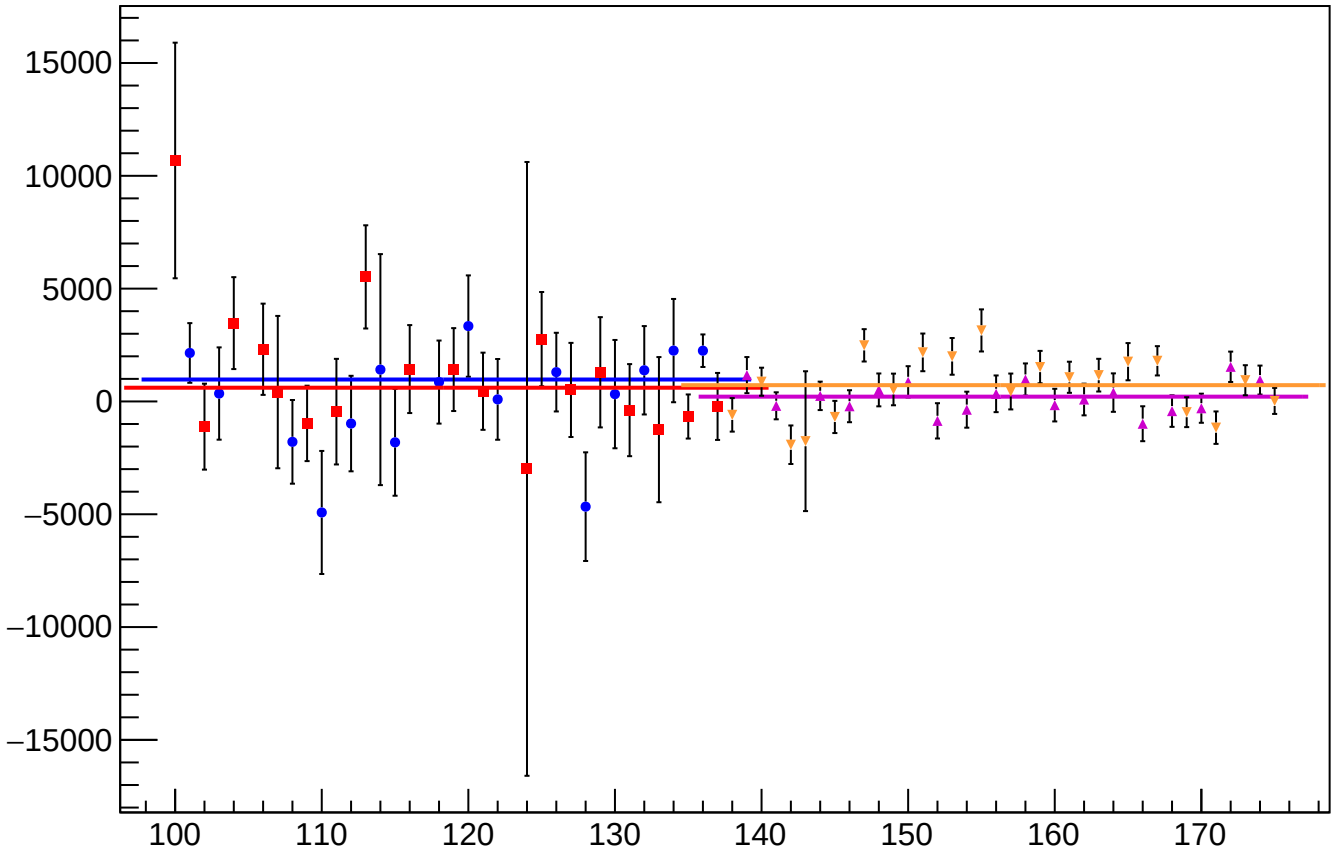
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1249.177+/-0.229 χ^2/NDF:21061.2/17

+ sign 1242.205+/-0.184 χ^2/NDF: 658616.0/35

All: 1249.836+/-0.132 χ^2/NDF: 908342.2/72

- sign 1257.919+/-0.189 χ^2/NDF: 246187.8/36



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 721.545+/-164.925 χ^2/NDF:53.8/19

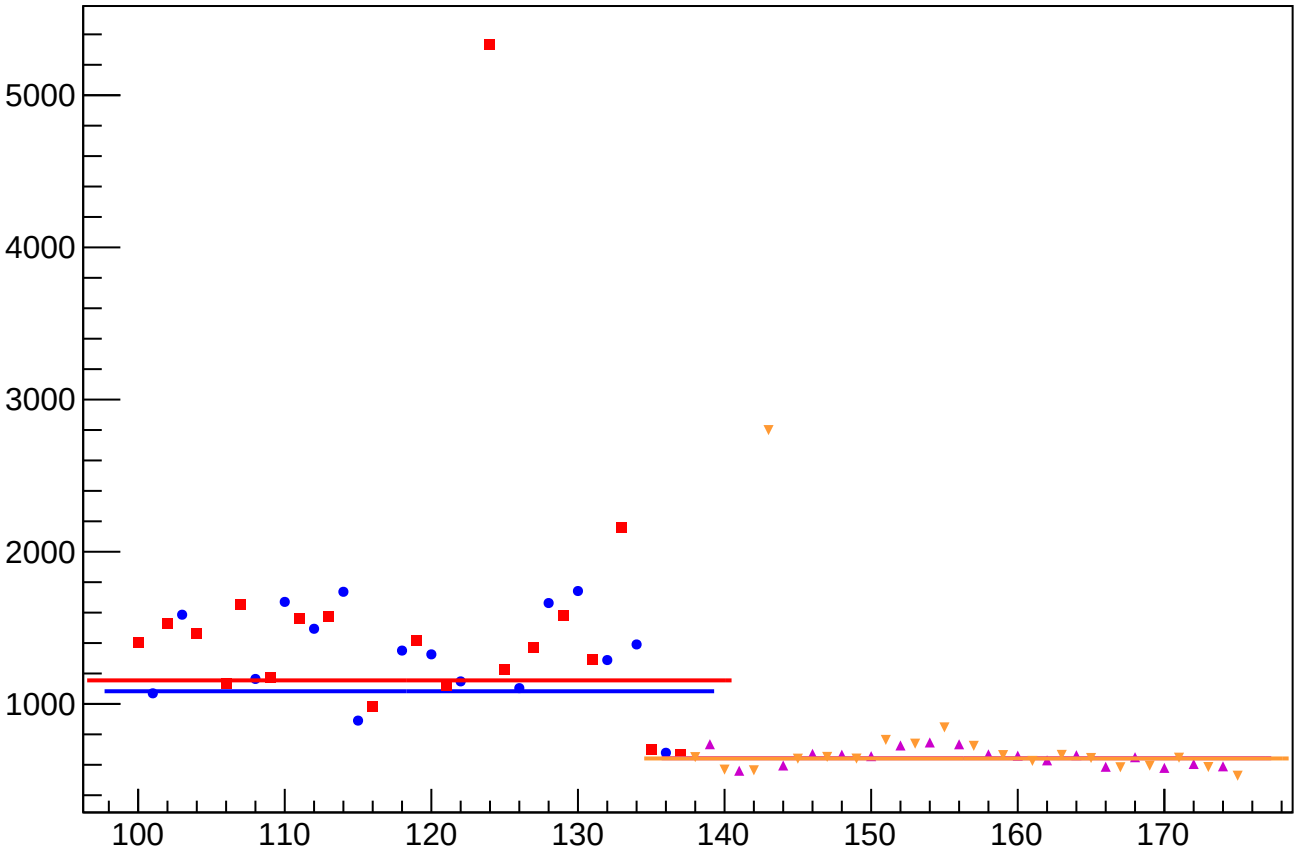
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 212.112+/-167.661 χ^2/NDF:16.3/17

+ sign 754.332+/-153.764 χ^2/NDF: 74.5/35

All: 512.750+/-109.859 χ^2/NDF: 113.6/72

- sign 260.852+/-157.013 χ^2/NDF: 34.1/36



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 641.607+/-0.117 χ^2/NDF:1326088.0/19

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

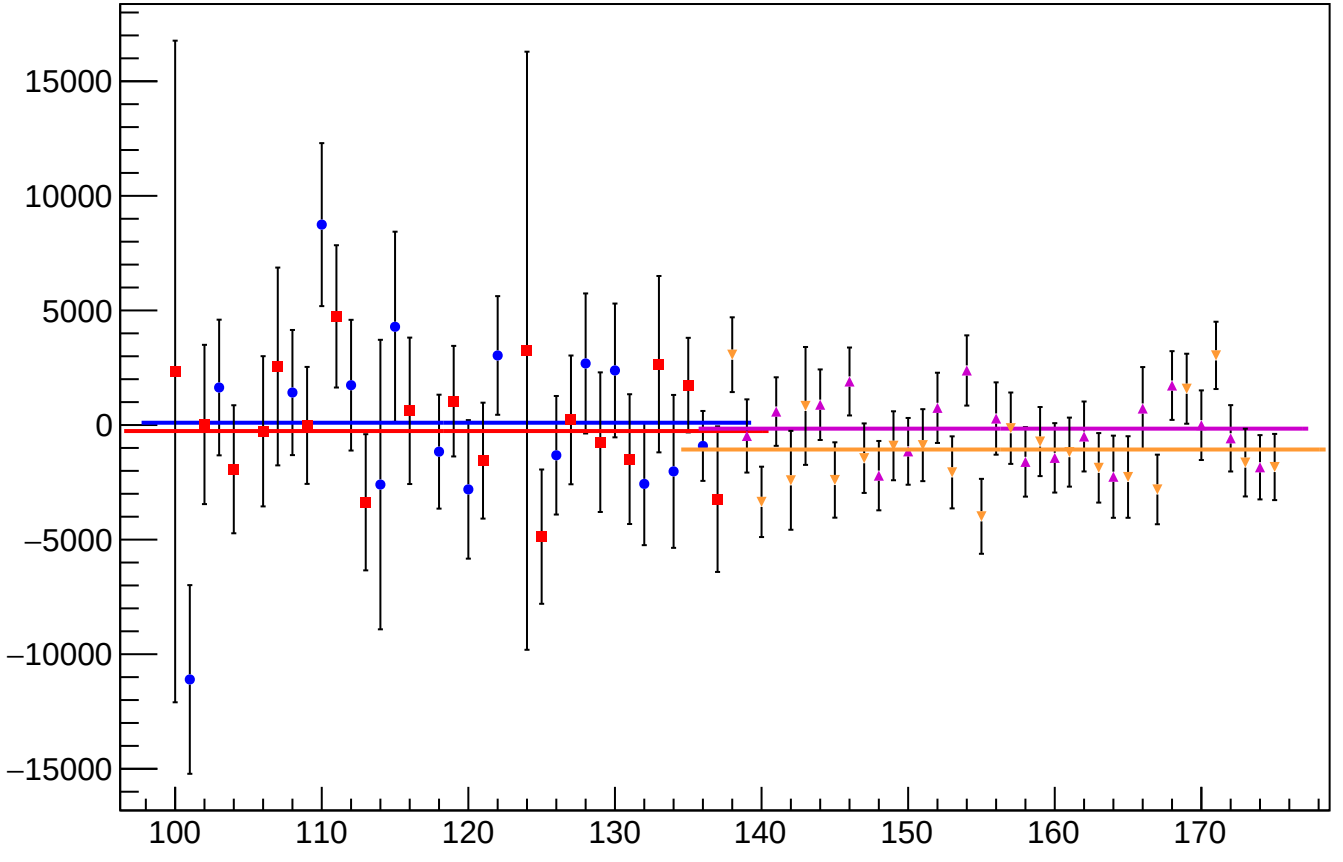
Left In: 643.230+/-0.119 χ^2/NDF:219446.3/17

+ sign 699.369+/-0.109 χ^2/NDF: 4562312.5/35

All: 702.681+/-0.078 χ^2/NDF: 8561142.3/72

- sign 706.133+/-0.111 χ^2/NDF: 3996934.9/36

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1068.069+/-355.670 χ^2/NDF:27.6/19

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

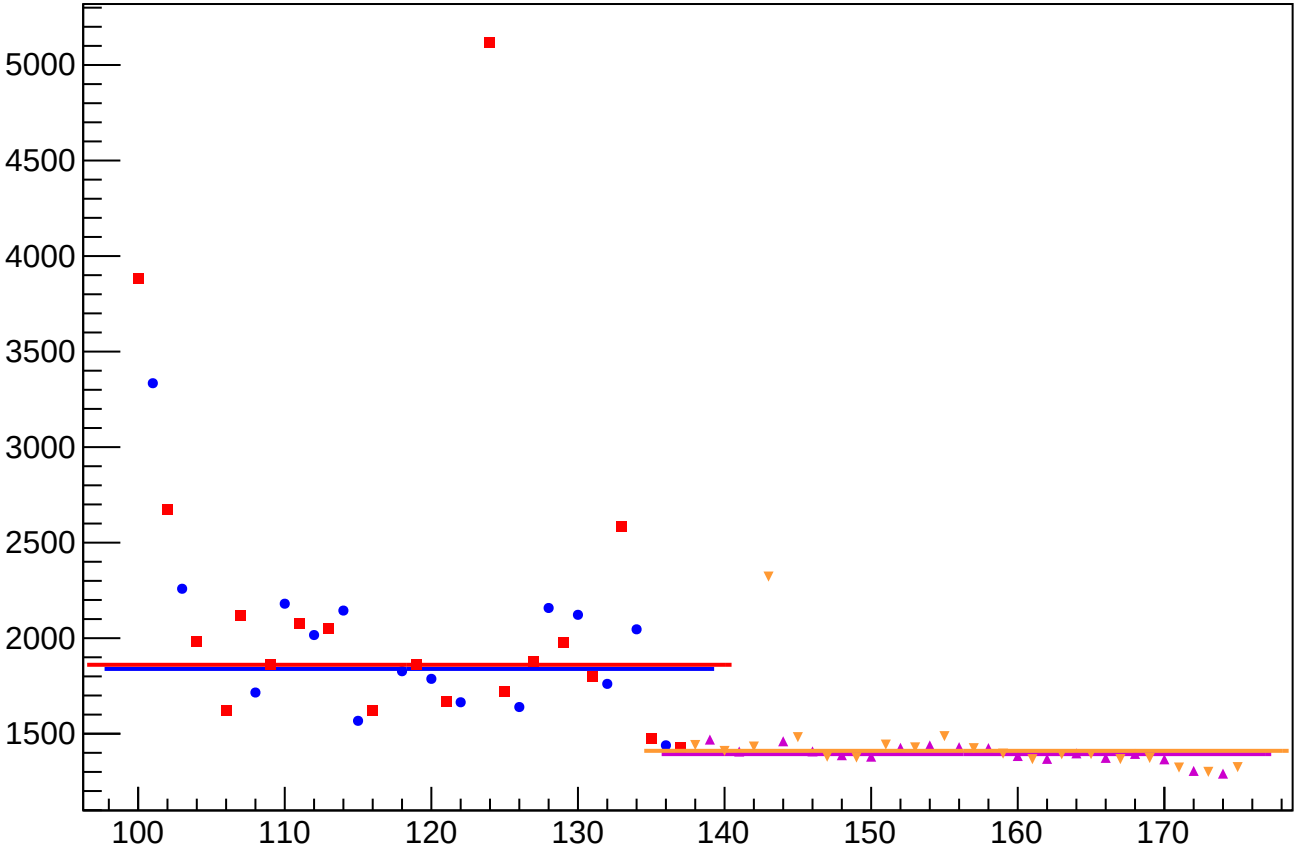
Left In: -158.419+/-361.362 χ^2/NDF:14.5/17

+ sign -827.744+/-316.992 χ^2/NDF: 51.2/35

All: -508.204+/-225.577 χ^2/NDF: 78.1/72

- sign -180.382+/-321.074 χ^2/NDF: 24.9/36

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1410.426+/-0.251 χ^2/NDF:294118.7/19

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

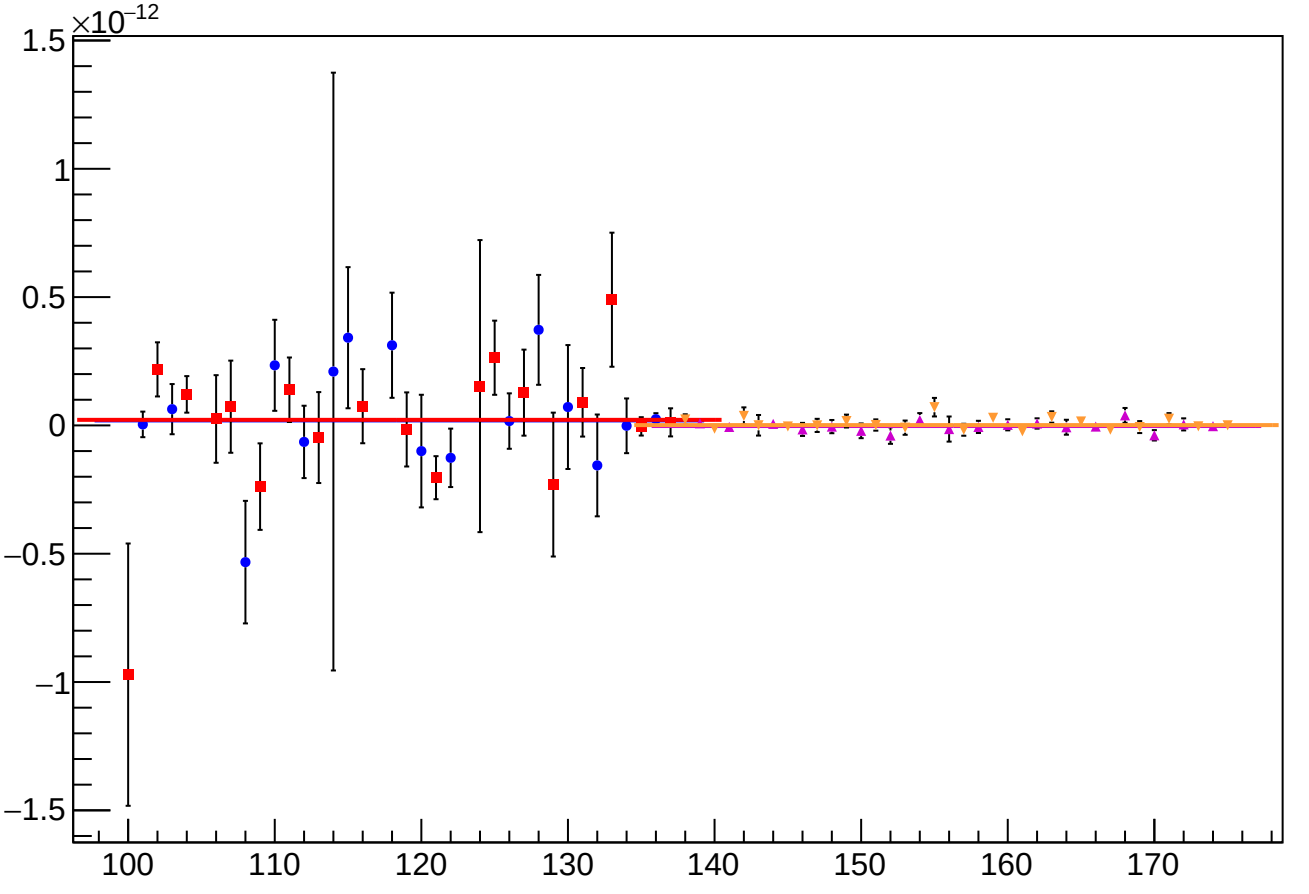
Left In: 1393.181+/-0.256 χ^2/NDF:32982.0/17

+ sign 1498.593+/-0.224 χ^2/NDF: 1448404.4/35

All: 1495.156+/-0.160 χ^2/NDF: 2709006.4/72

- sign 1491.630+/-0.227 χ^2/NDF: 1260125.7/36

asym_atl_dd_atr_dd_dd_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:18.7/19

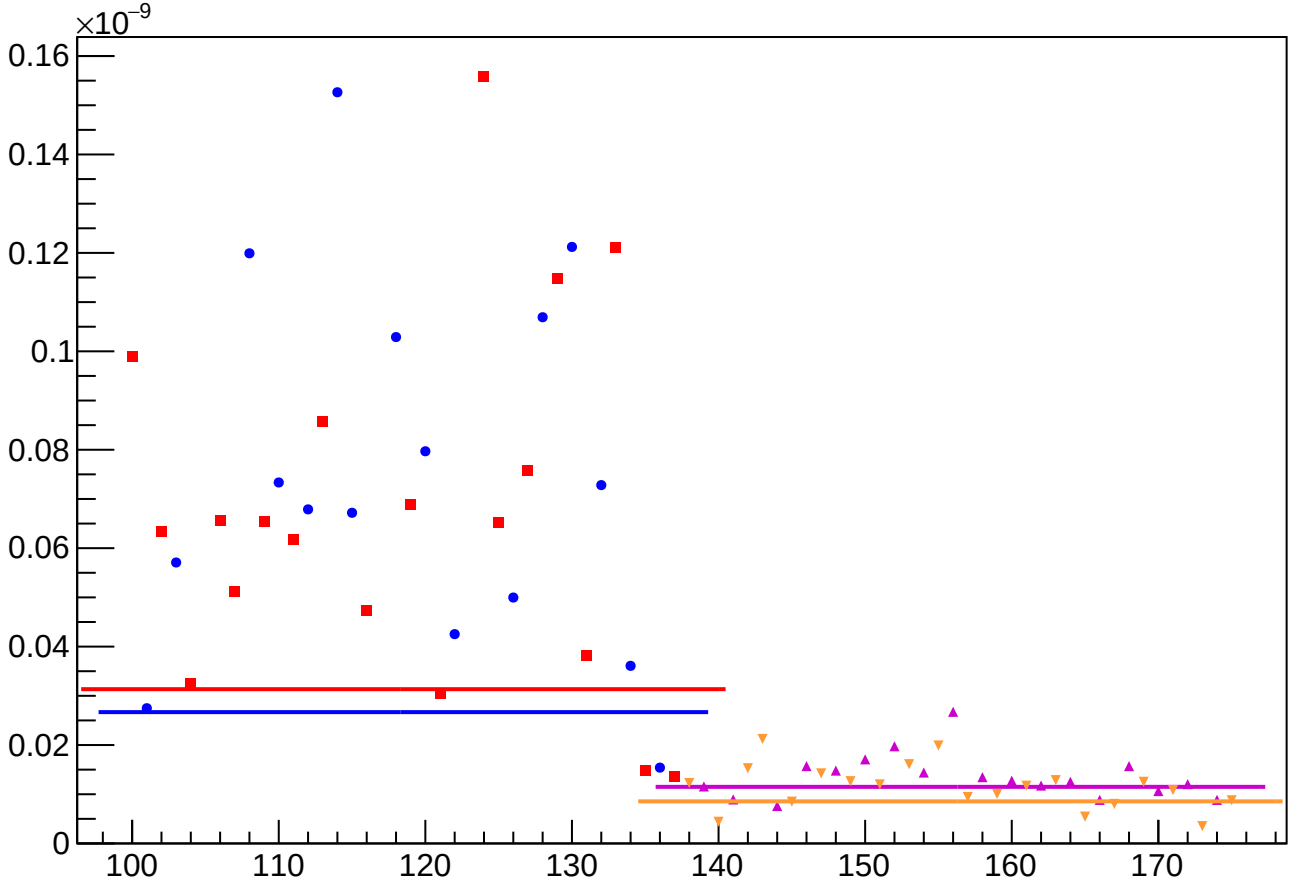
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/35

All: 0.000+/-0.000 χ^2/NDF: 74.9/72

- sign -0.000+/-0.000 χ^2/NDF: 38.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1998162.4/19

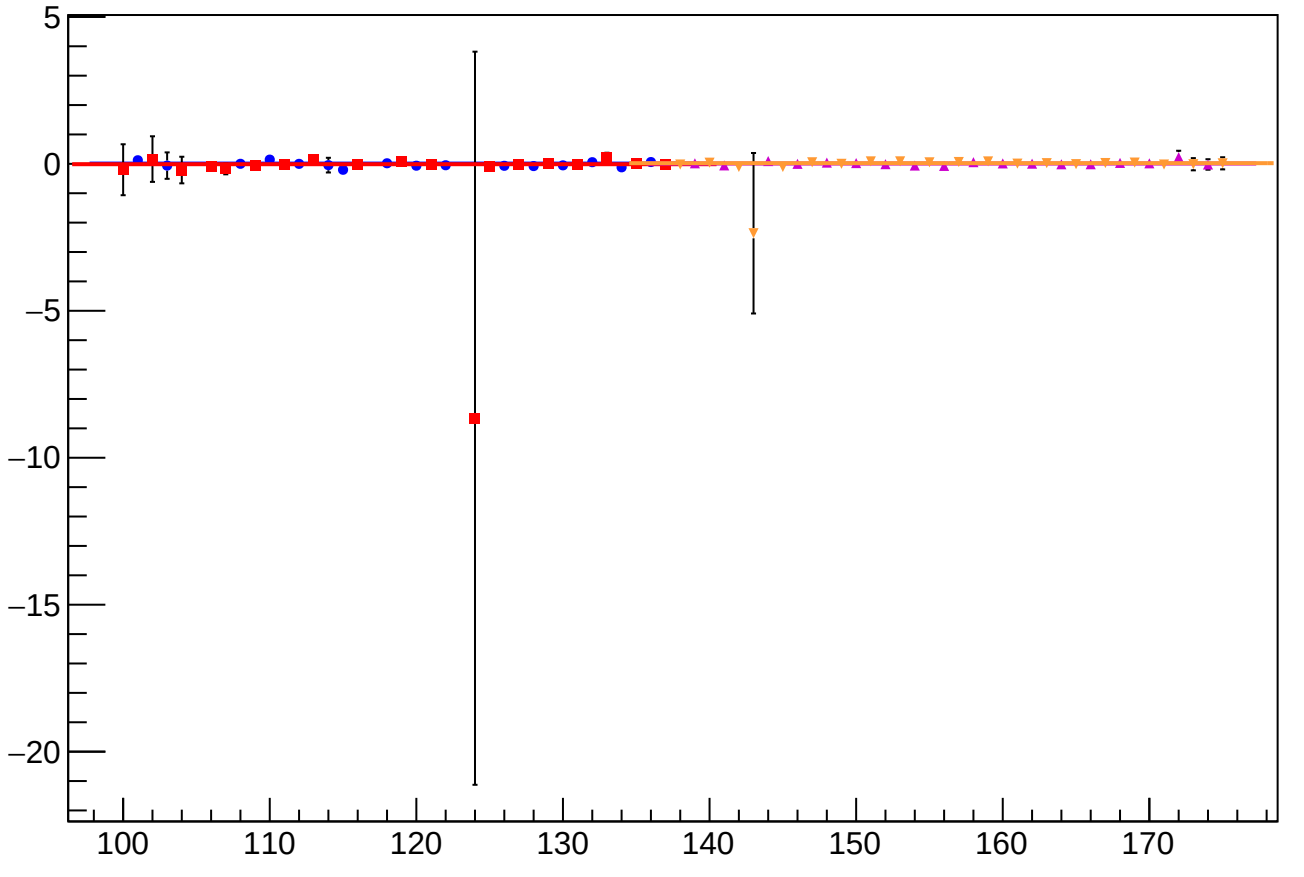
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:892877.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 6355599.7/35

All: 0.000+/-0.000 χ^2/NDF: 11516519.0/72

- sign 0.000+/-0.000 χ^2/NDF: 4674351.2/36



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

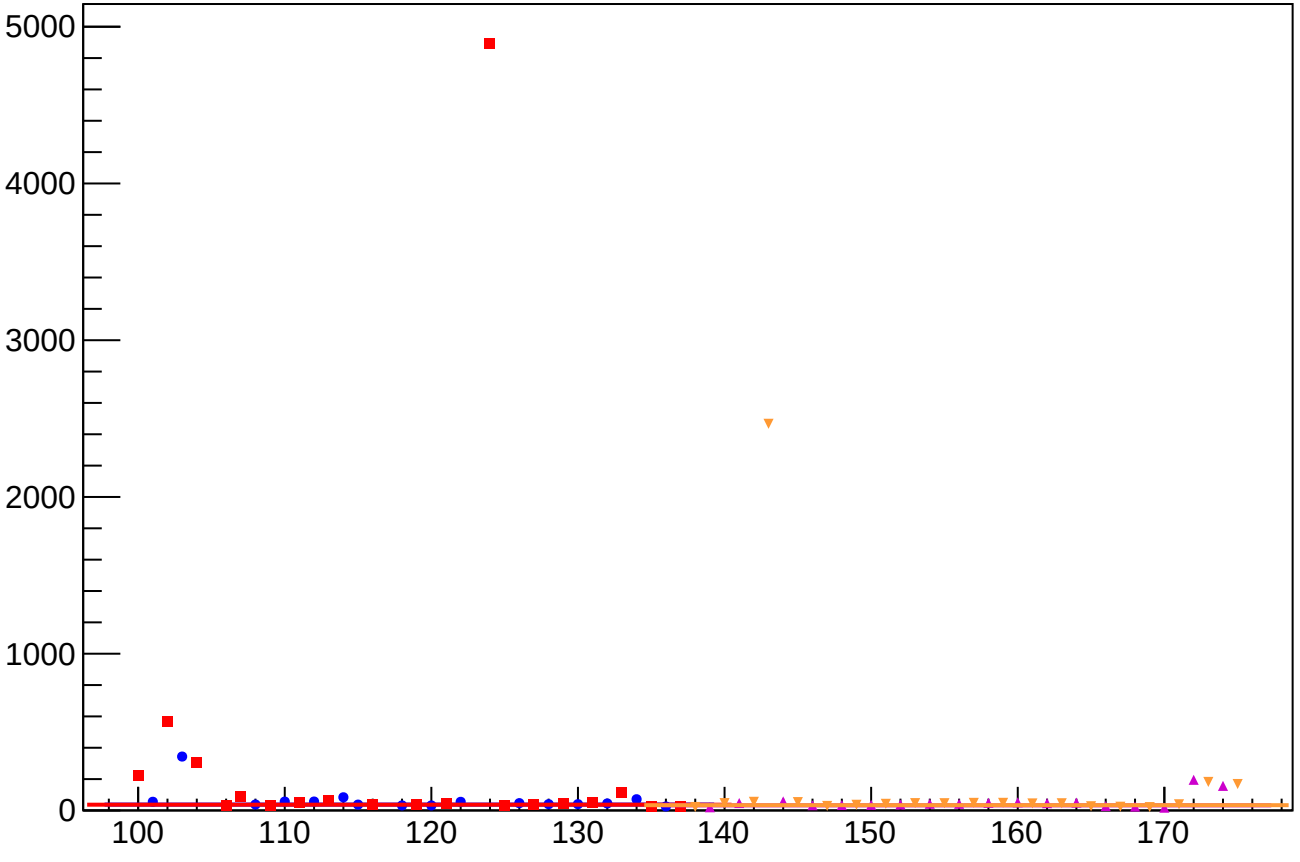
Left In: 0.010+/-0.010 χ^2/NDF:11.9/17

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/35

All: 0.011+/-0.006 χ^2/NDF: 65.2/72

- sign 0.004+/-0.009 χ^2/NDF: 25.9/36

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.667+/-0.007 χ^2/NDF:5853305.7/19

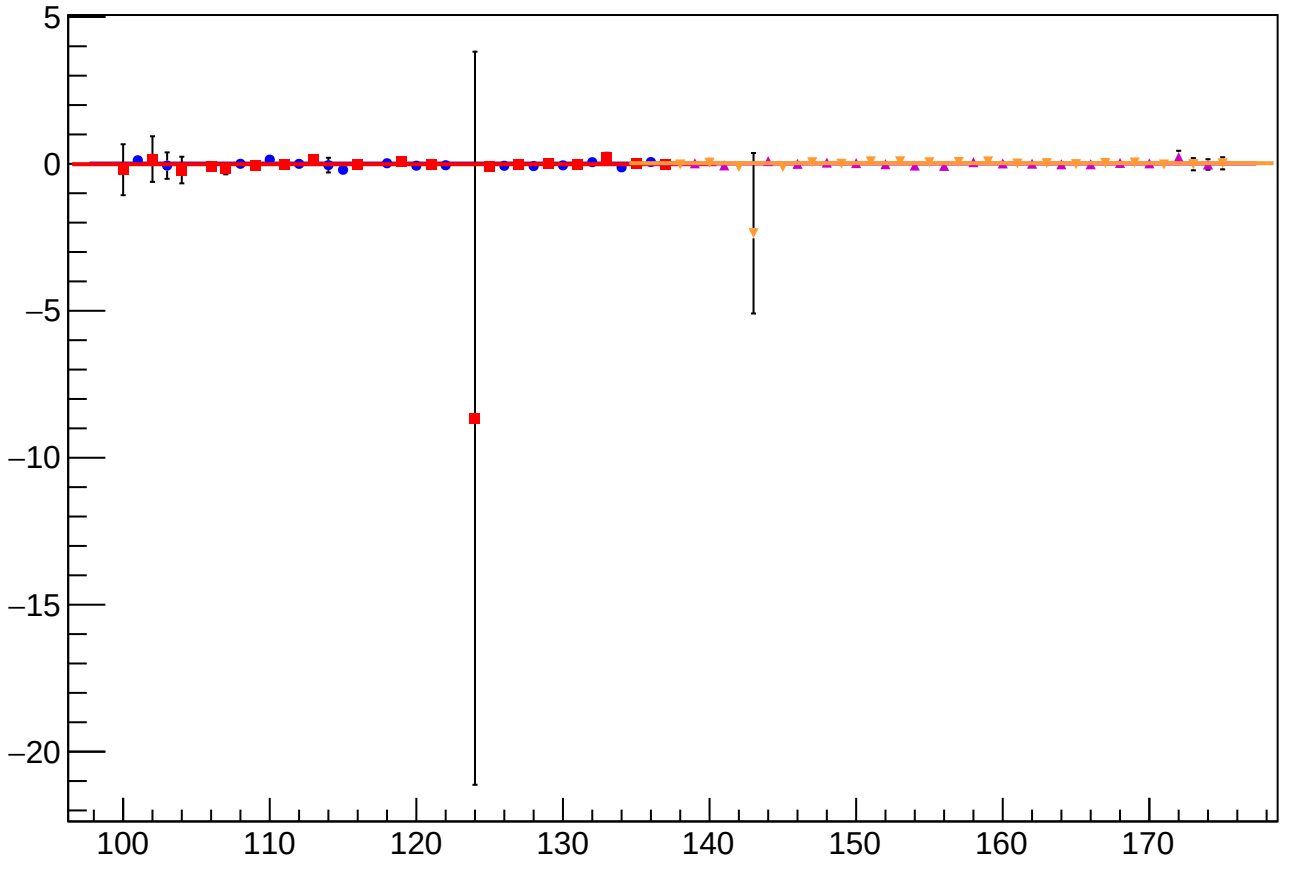
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.619+/-0.007 χ^2/NDF:4812878.9/17

\+ sign 34.769+/-0.006 χ^2/NDF: 7917288.7/35

All: 34.237+/-0.004 χ^2/NDF: 16027623.2/72

\- sign 33.715+/-0.006 χ^2/NDF: 8095269.6/36



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

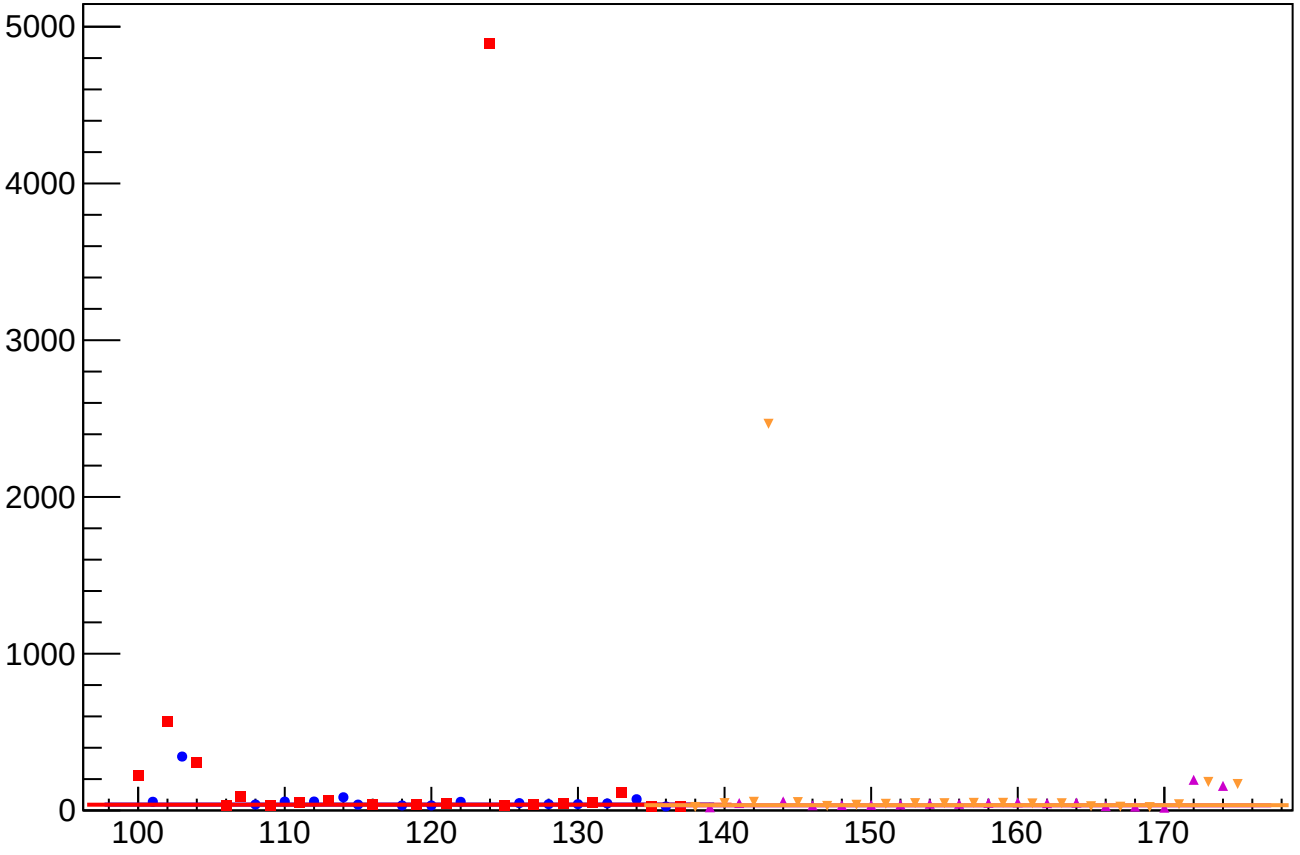
Left In: 0.010+/-0.010 χ^2/NDF:11.9/17

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/35

All: 0.011+/-0.006 χ^2/NDF: 65.2/72

- sign 0.004+/-0.009 χ^2/NDF: 25.9/36

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: 33.667+/-0.007 χ^2/NDF:5853305.7/19

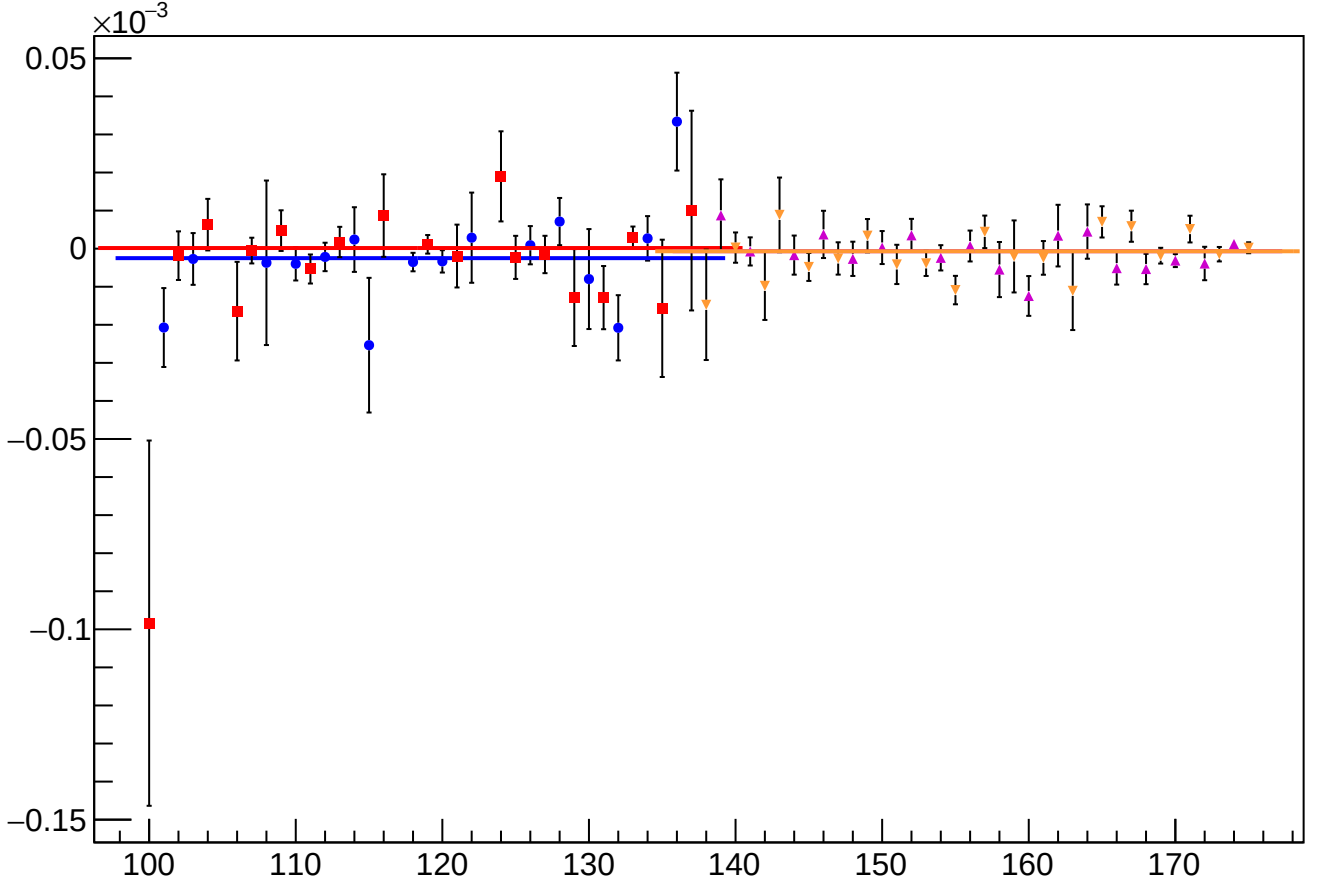
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.619+/-0.007 χ^2/NDF:4812878.9/17

+ sign 34.769+/-0.006 χ^2/NDF: 7917288.7/35

All: 34.237+/-0.004 χ^2/NDF: 16027623.2/72

- sign 33.715+/-0.006 χ^2/NDF: 8095269.6/36



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/19

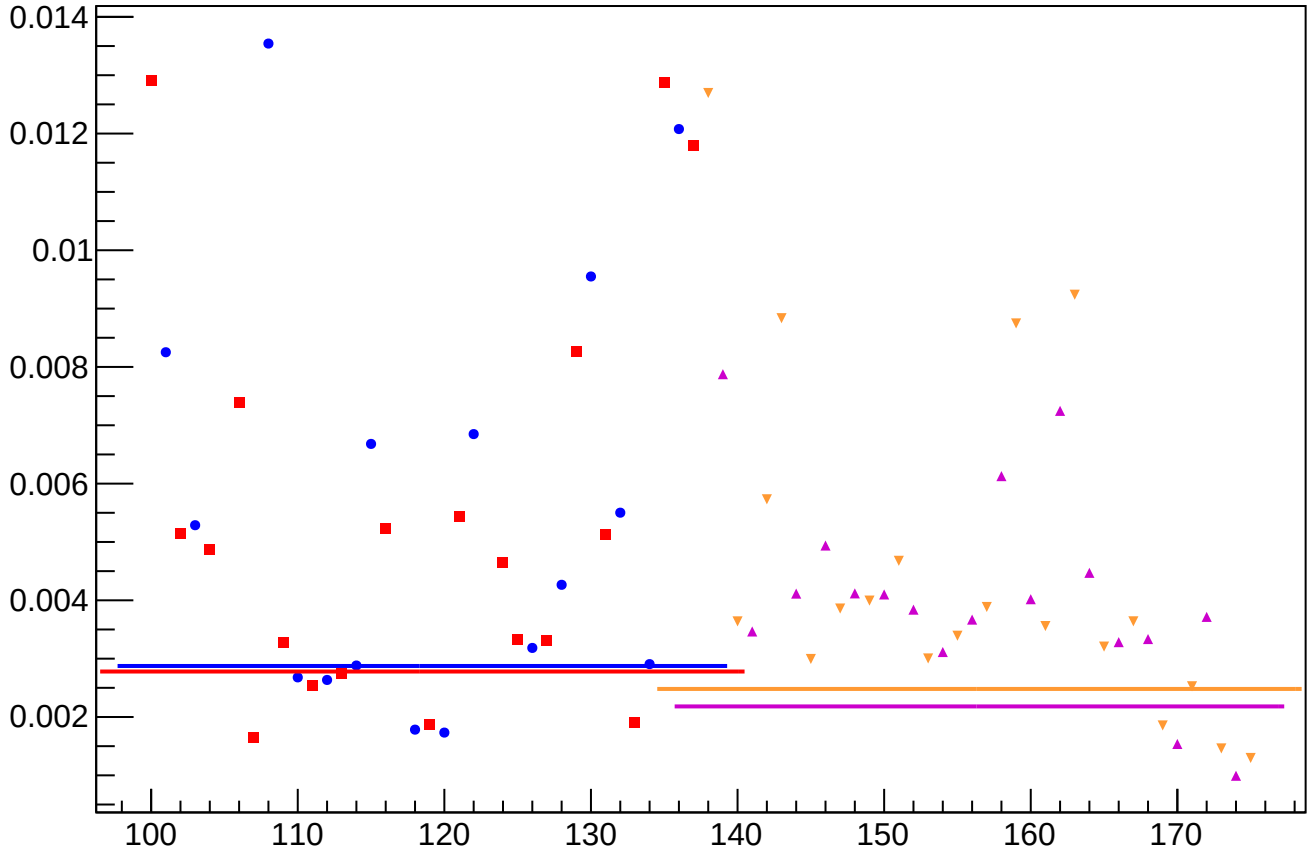
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 49.8/35

All: -0.000+/-0.000 χ^2/NDF: 87.1/72

- sign -0.000+/-0.000 χ^2/NDF: 36.7/36



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:7693908.4/19

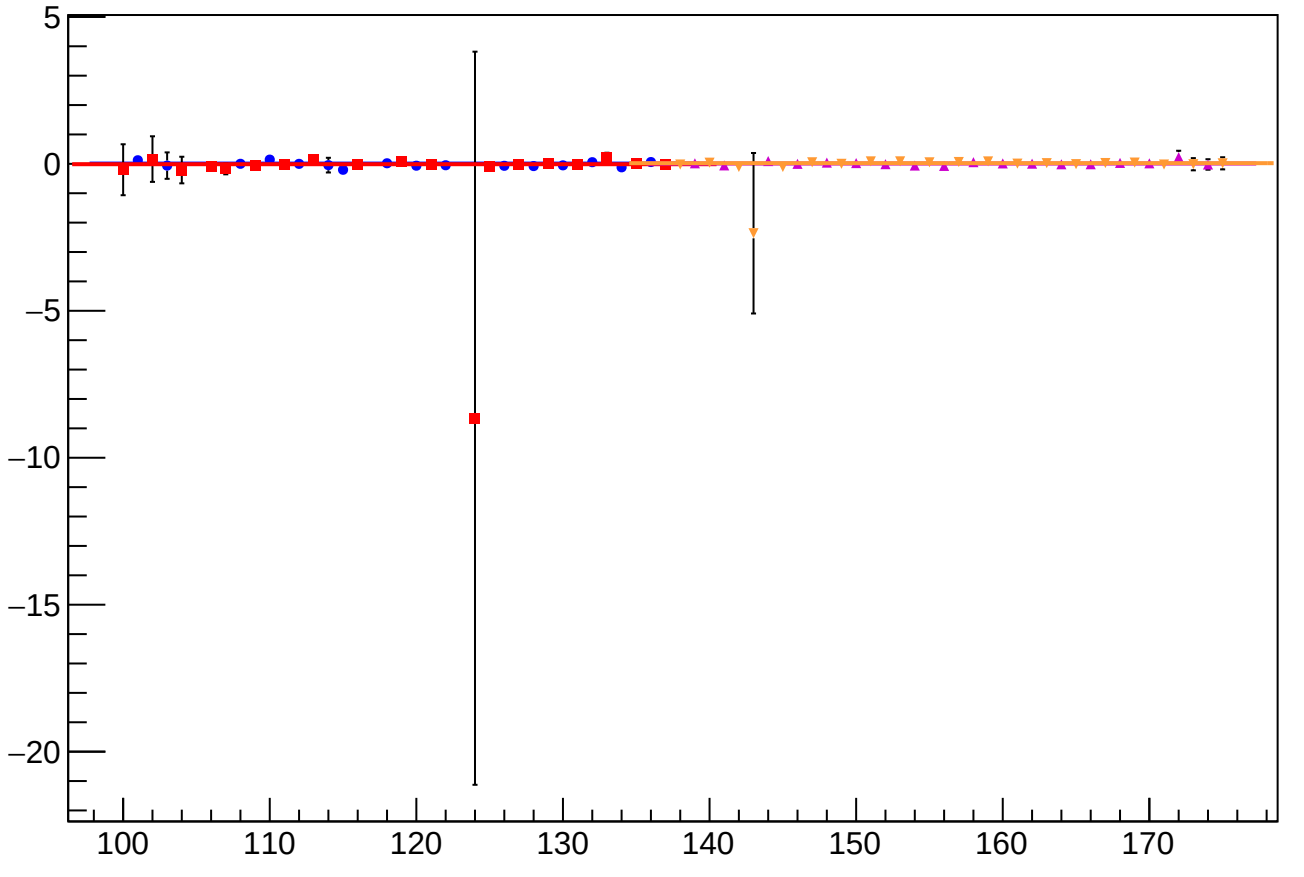
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:8209974.0/17

+ sign 0.003+/-0.000 χ^2/NDF: 11983029.3/35

All: 0.002+/-0.000 χ^2/NDF: 24015967.6/72

- sign 0.002+/-0.000 χ^2/NDF: 11897971.2/36



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

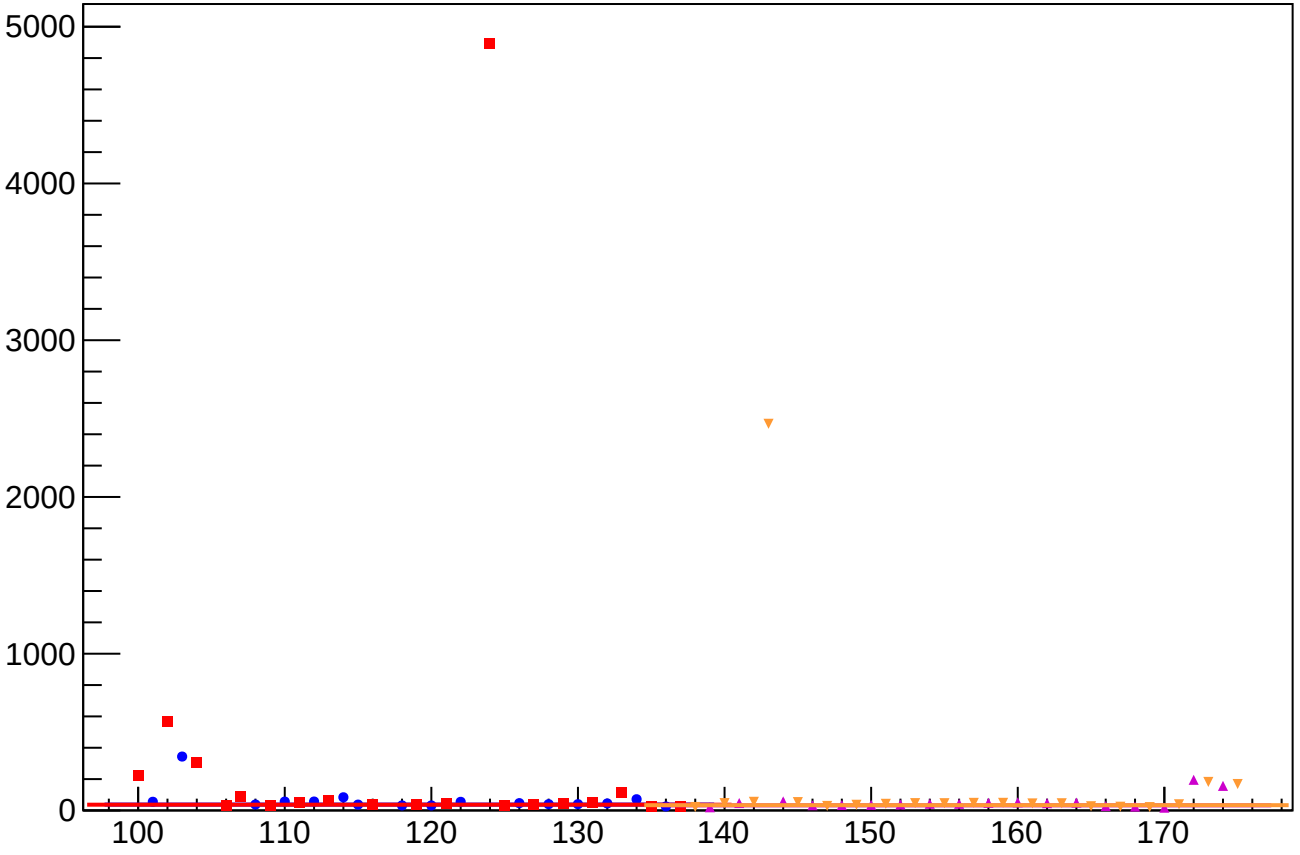
Left In: 0.010+/-0.010 χ^2/NDF:11.9/17

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/35

All: 0.011+/-0.006 χ^2/NDF: 65.2/72

- sign 0.004+/-0.009 χ^2/NDF: 25.9/36

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.666+/-0.007 χ^2/NDF:5853388.1/19

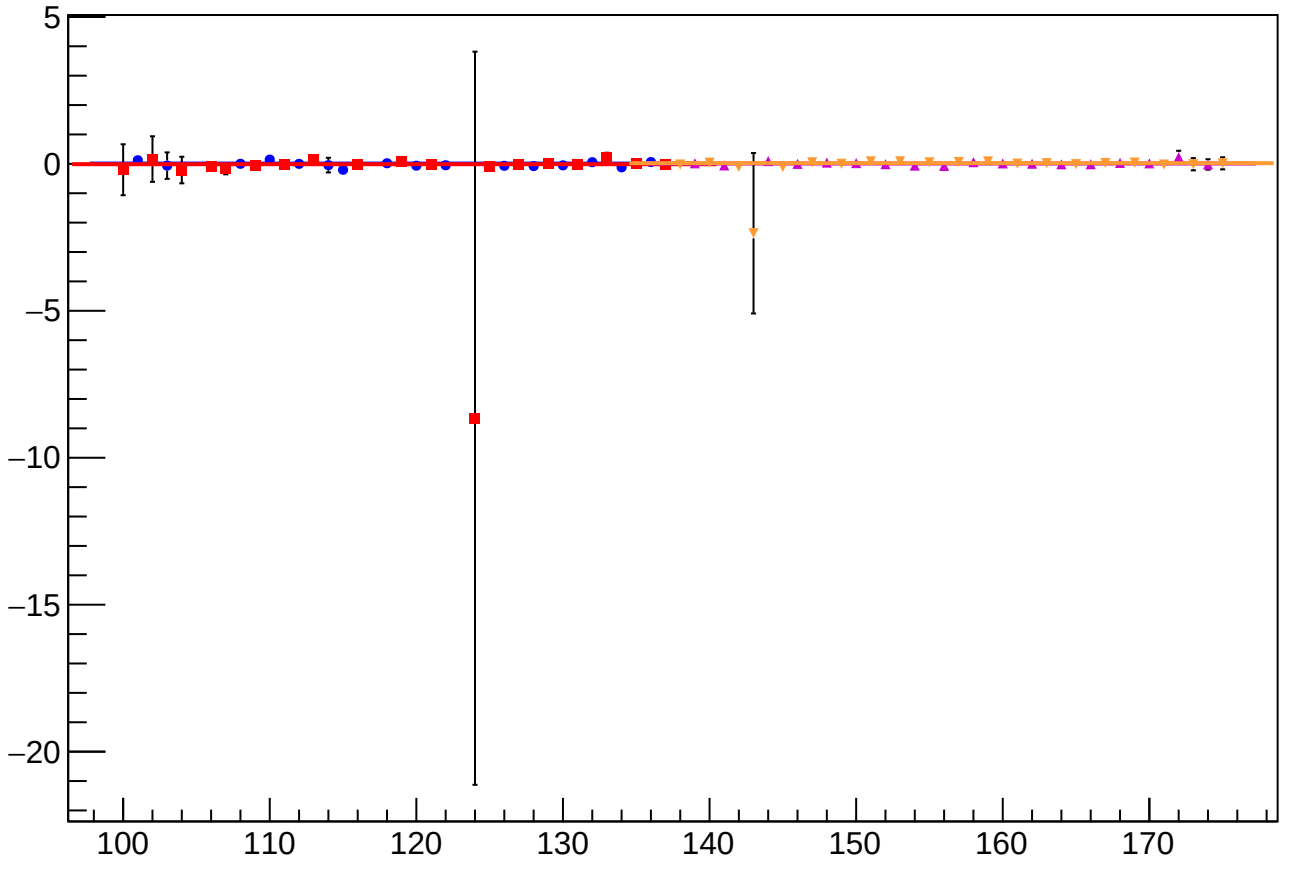
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.621+/-0.007 χ^2/NDF:4811697.3/17

\+ sign 34.768+/-0.006 χ^2/NDF: 7917364.1/35

All: 34.237+/-0.004 χ^2/NDF: 16026112.3/72

\- sign 33.717+/-0.006 χ^2/NDF: 8093759.4/36



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

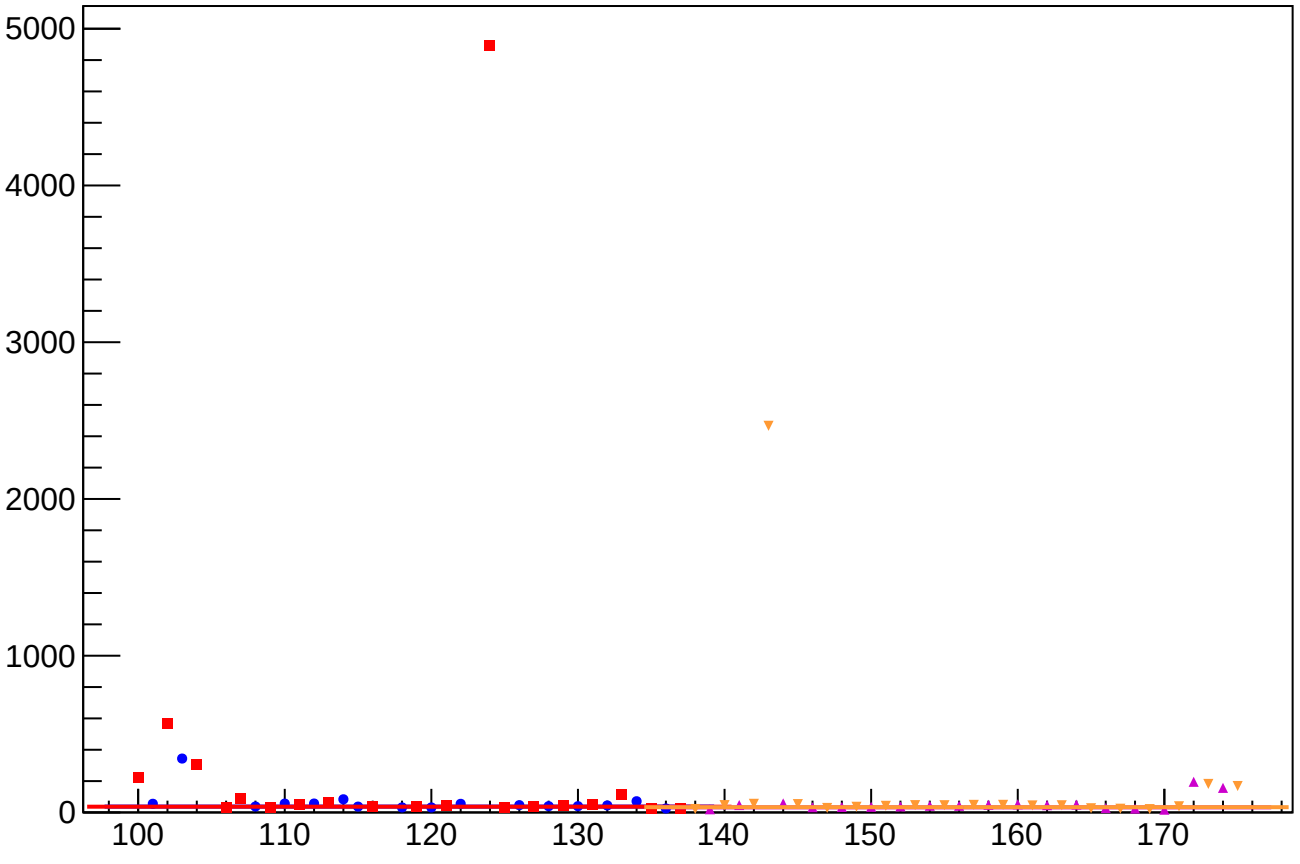
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:11.9/17

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/35

All: 0.011+/-0.006 χ^2/NDF: 65.2/72

- sign 0.004+/-0.009 χ^2/NDF: 25.9/36



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.666+/-0.007 χ^2/NDF:5853388.1/19

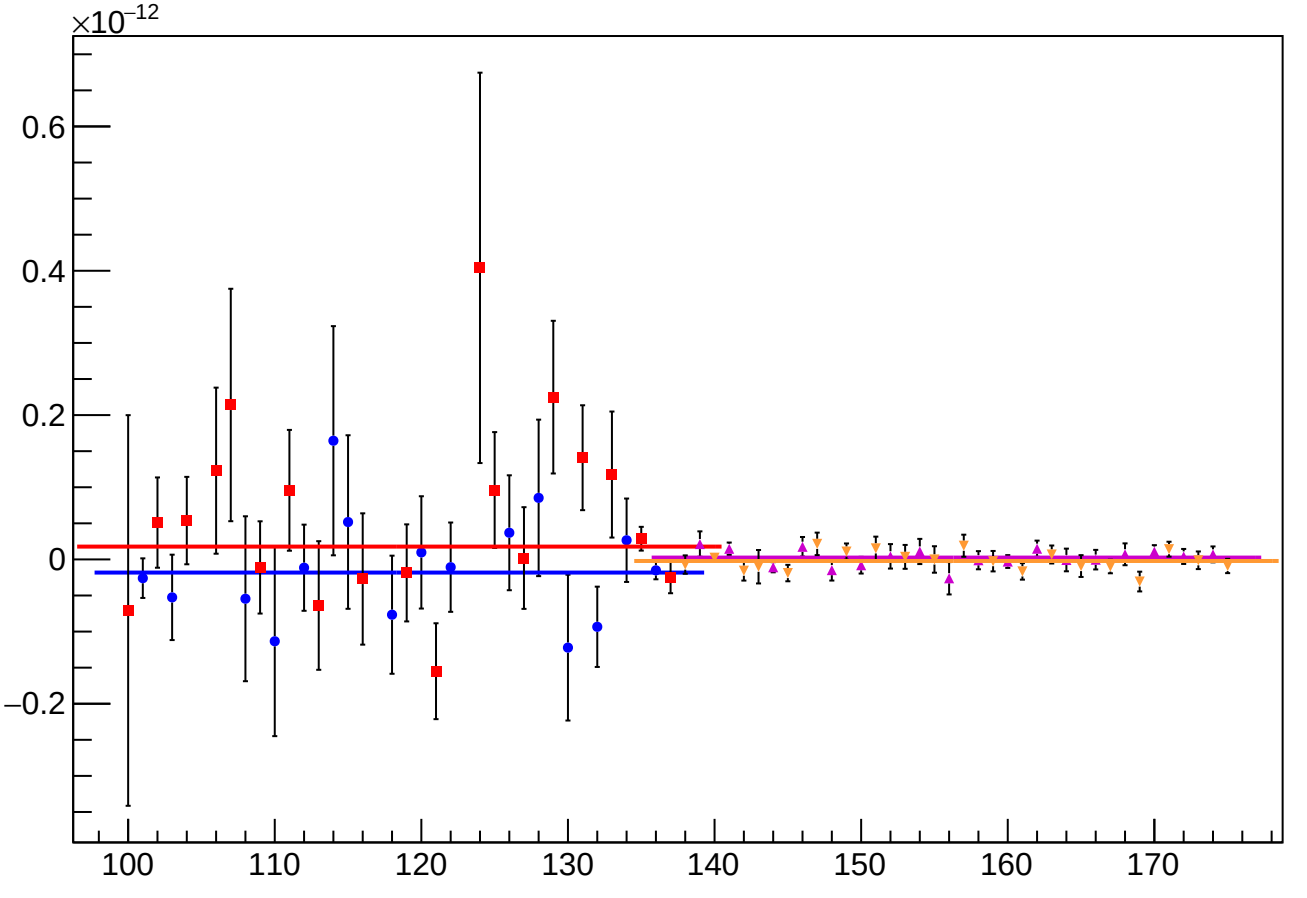
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.621+/-0.007 χ^2/NDF:4811697.3/17

+ sign 34.768+/-0.006 χ^2/NDF: 7917364.1/35

All: 34.237+/-0.004 χ^2/NDF: 16026112.3/72

- sign 33.717+/-0.006 χ^2/NDF: 8093759.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/19

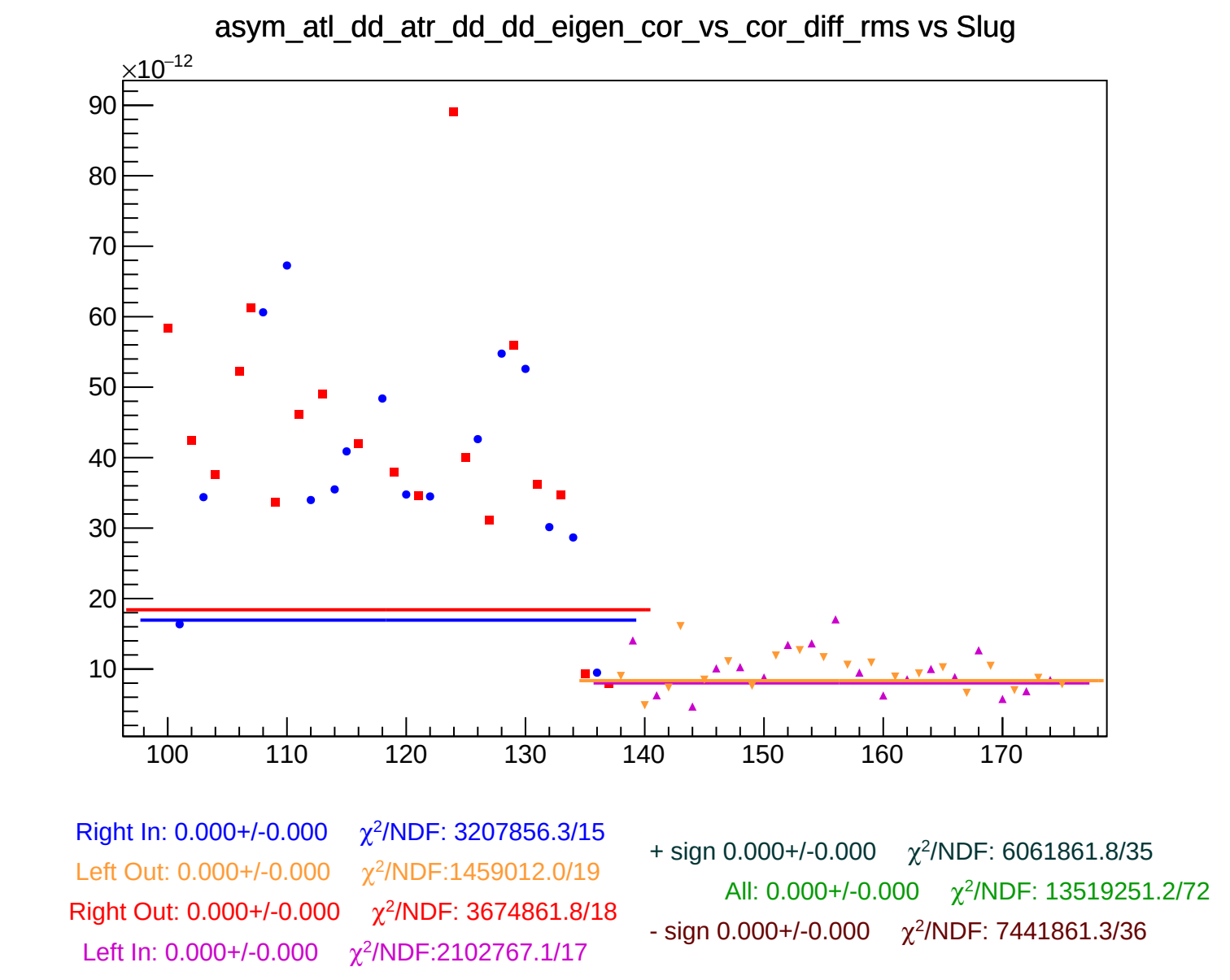
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:15.0/17

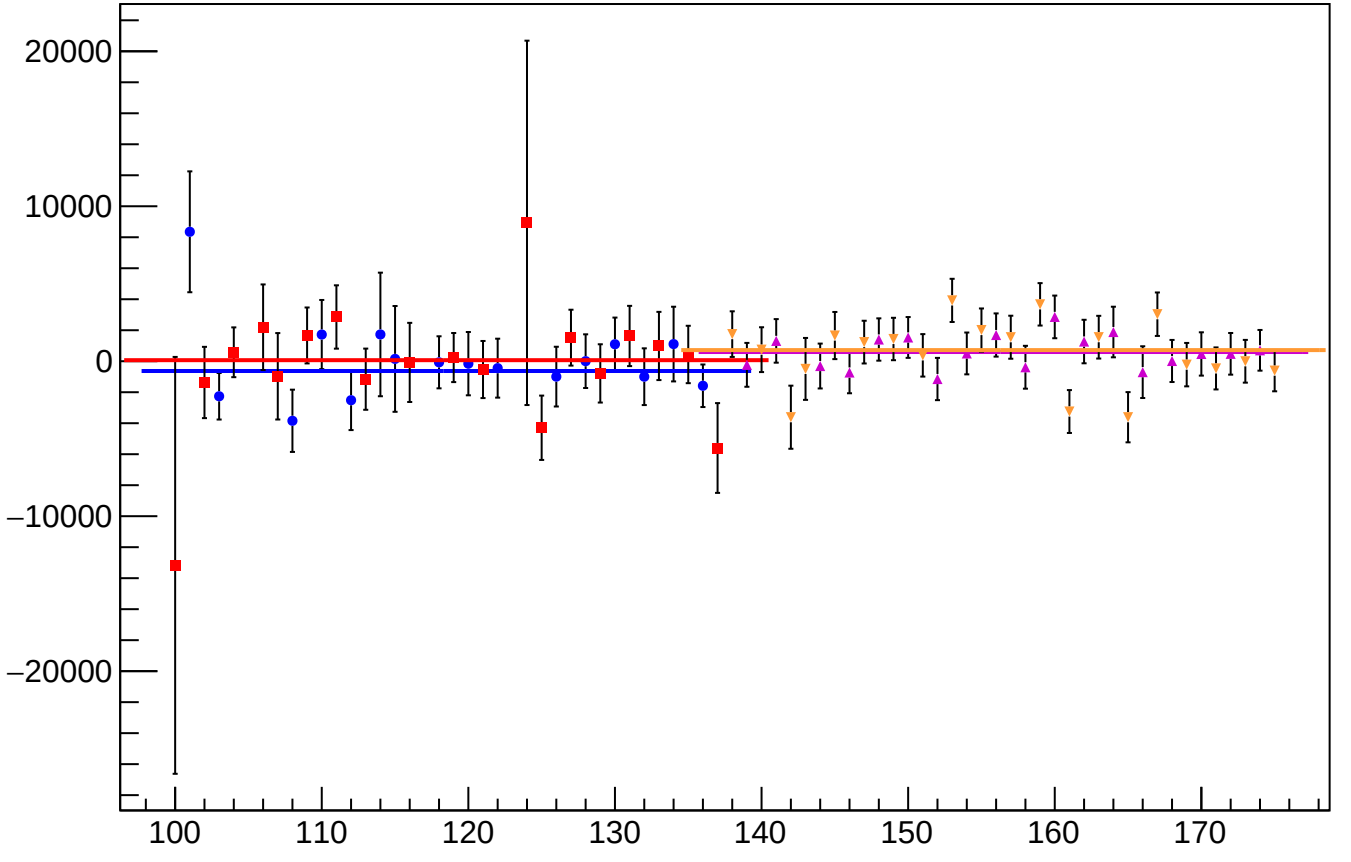
+ sign -0.000+/-0.000 χ^2/NDF: 31.8/35

All: 0.000+/-0.000 χ^2/NDF: 79.1/72

- sign 0.000+/-0.000 χ^2/NDF: 44.1/36


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:1459012.0/19
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:2102767.1/17
+ sign 0.000+/-0.000 χ²/NDF: 6061861.8/35
All: 0.000+/-0.000 χ²/NDF: 13519251.2/72
- sign 0.000+/-0.000 χ²/NDF: 7441861.3/36

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.812+/-322.406 χ^2/NDF:38.3/19

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

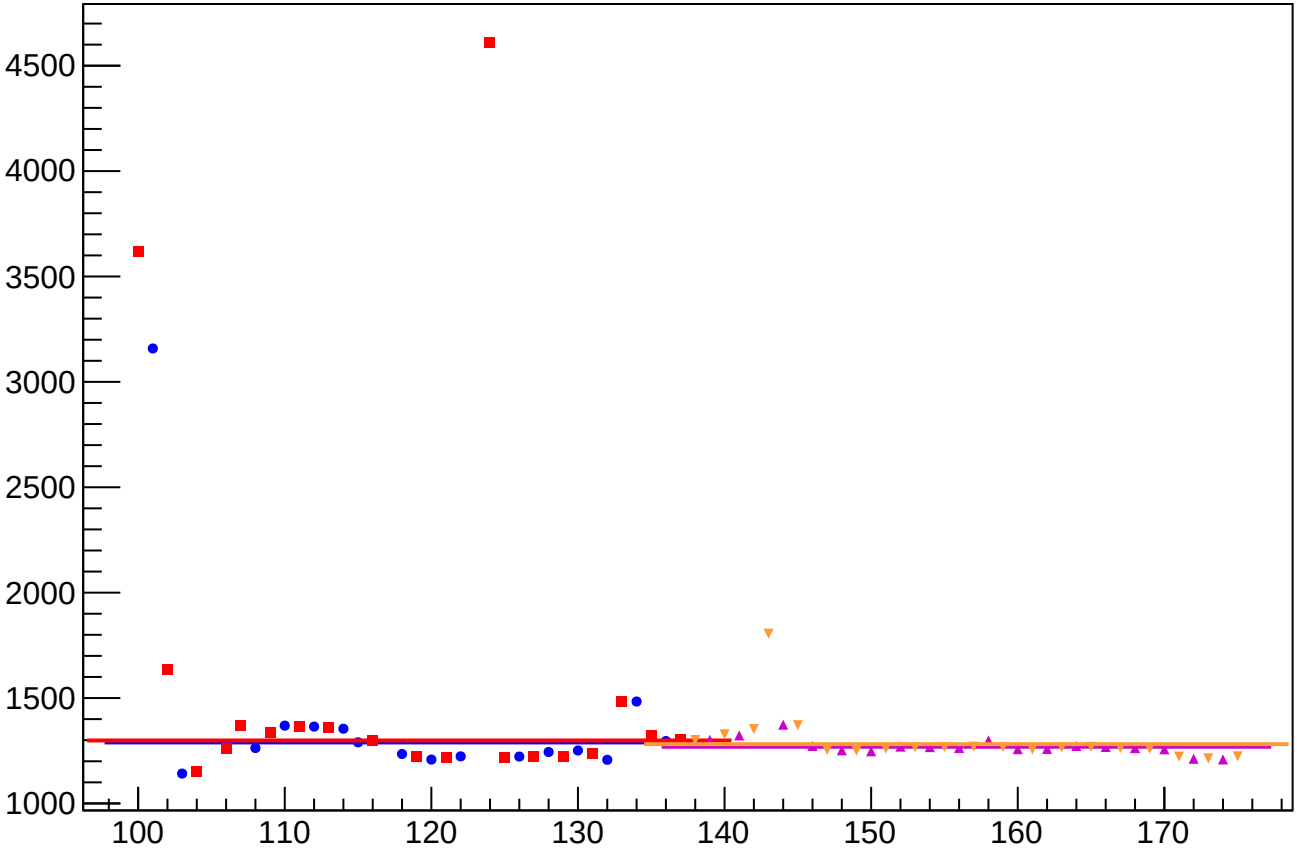
Left In: 594.396+/-329.096 χ^2/NDF:10.0/17

+ sign 308.731+/-269.111 χ^2/NDF: 57.5/35

All: 368.348+/-191.584 χ^2/NDF: 84.3/72

- sign 429.614+/-272.808 χ^2/NDF: 26.6/36

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

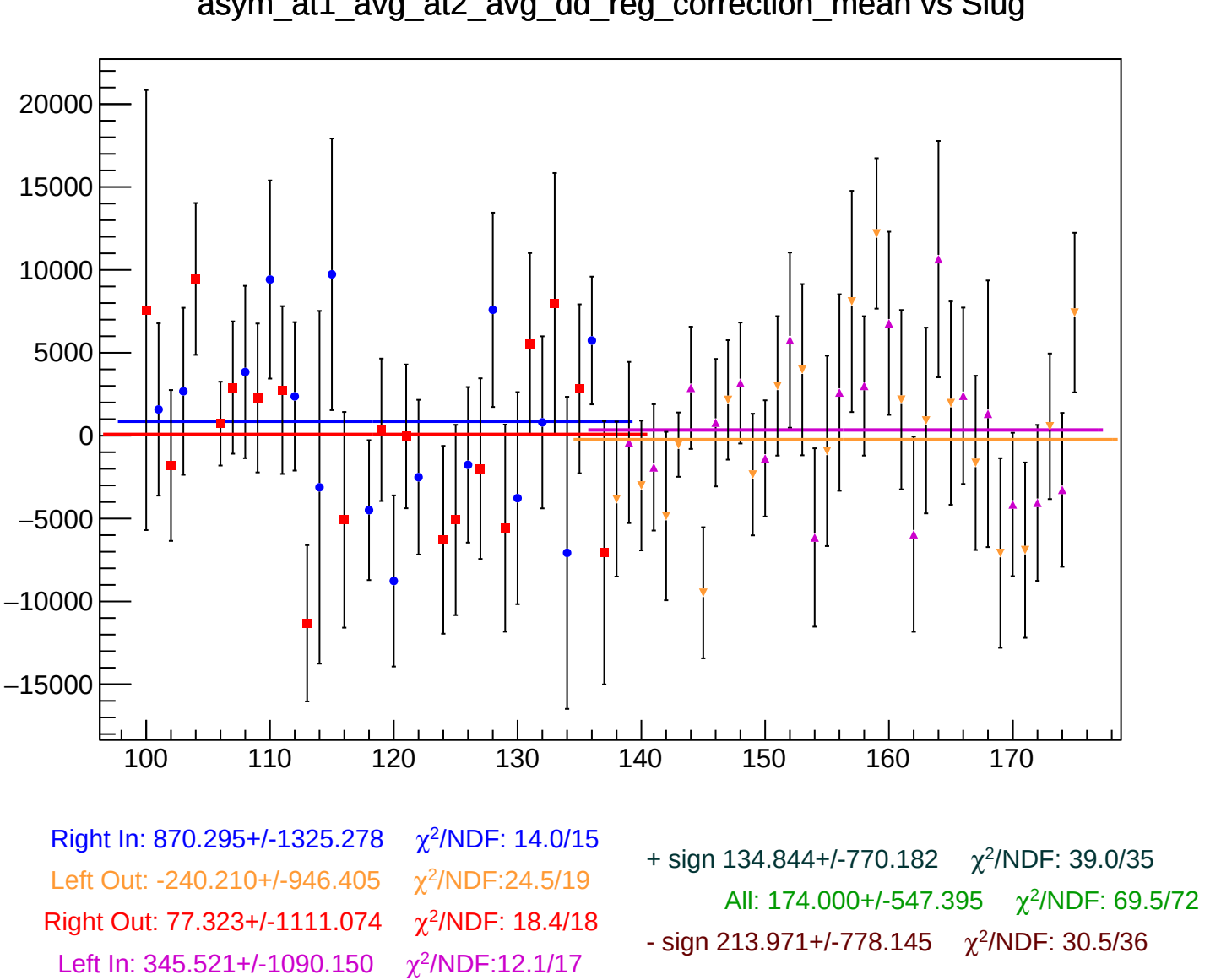
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

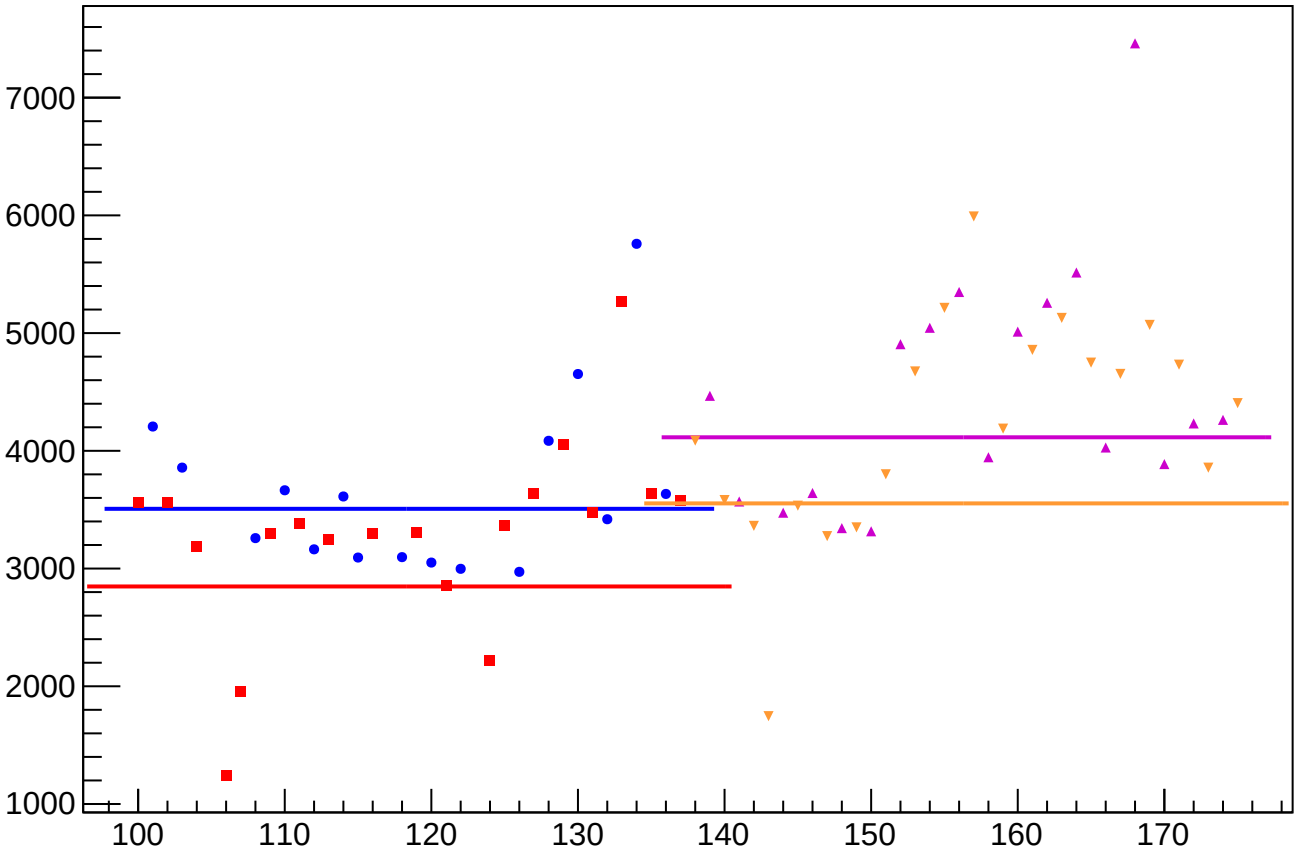
Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1283.736+/-0.190 χ^2/NDF: 681837.6/35

All: 1281.076+/-0.135 χ^2/NDF: 1031199.6/72

- sign 1278.348+/-0.193 χ^2/NDF: 348966.3/36


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: -240.210+/-946.405 χ²/NDF:24.5/19
Right Out: 77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 345.521+/-1090.150 χ²/NDF:12.1/17
+ sign 134.844+/-770.182 χ²/NDF: 39.0/35
All: 174.000+/-547.395 χ²/NDF: 69.5/72
- sign 213.971+/-778.145 χ²/NDF: 30.5/36



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3553.411+/-0.669 χ^2/NDF:3108258.5/19

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

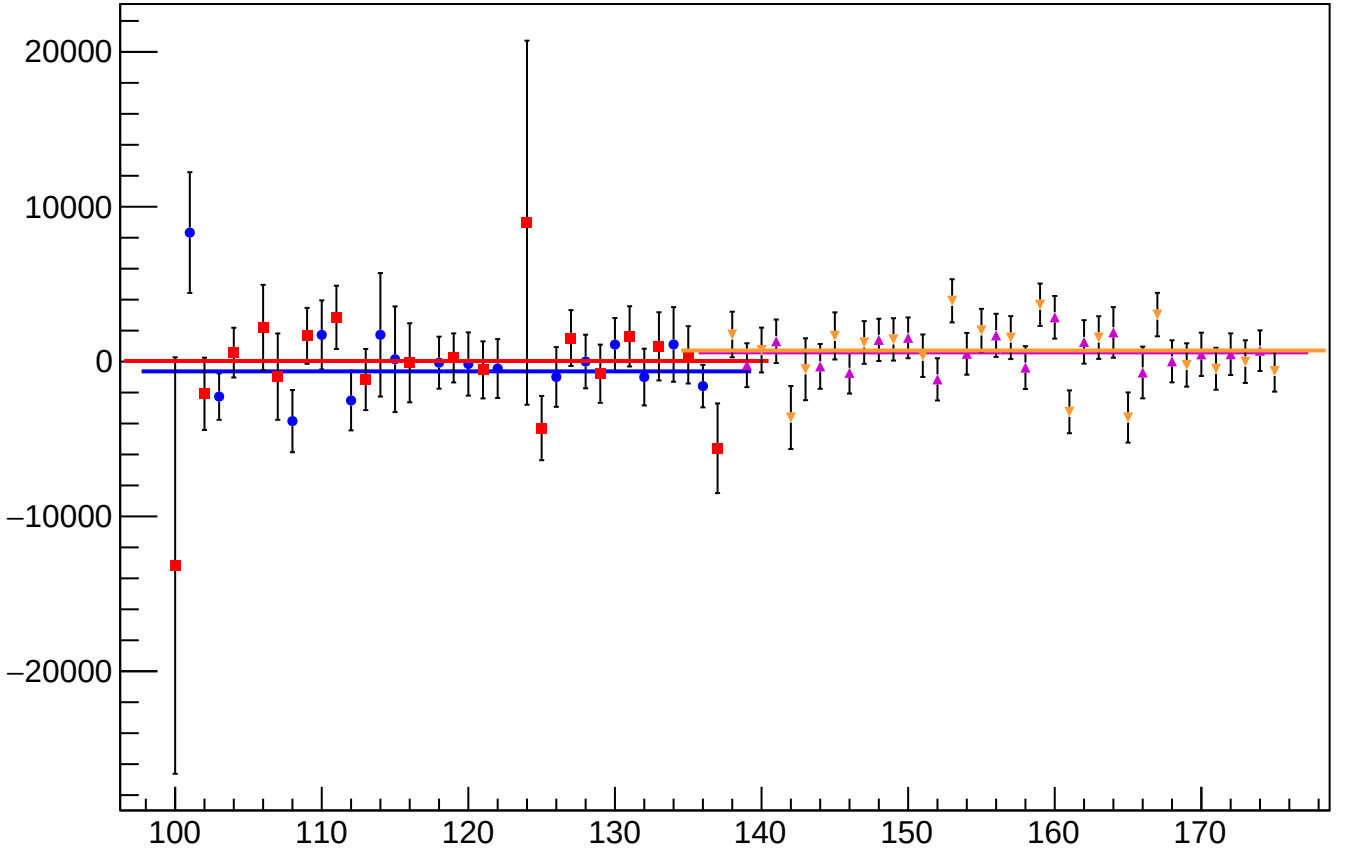
Left In: 4114.916+/-0.771 χ^2/NDF:1090708.1/17

+ sign 3537.871+/-0.545 χ^2/NDF: 3463834.3/35

All: 3515.873+/-0.387 χ^2/NDF: 7382478.3/72

- sign 3493.418+/-0.550 χ^2/NDF: 3915347.0/36

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

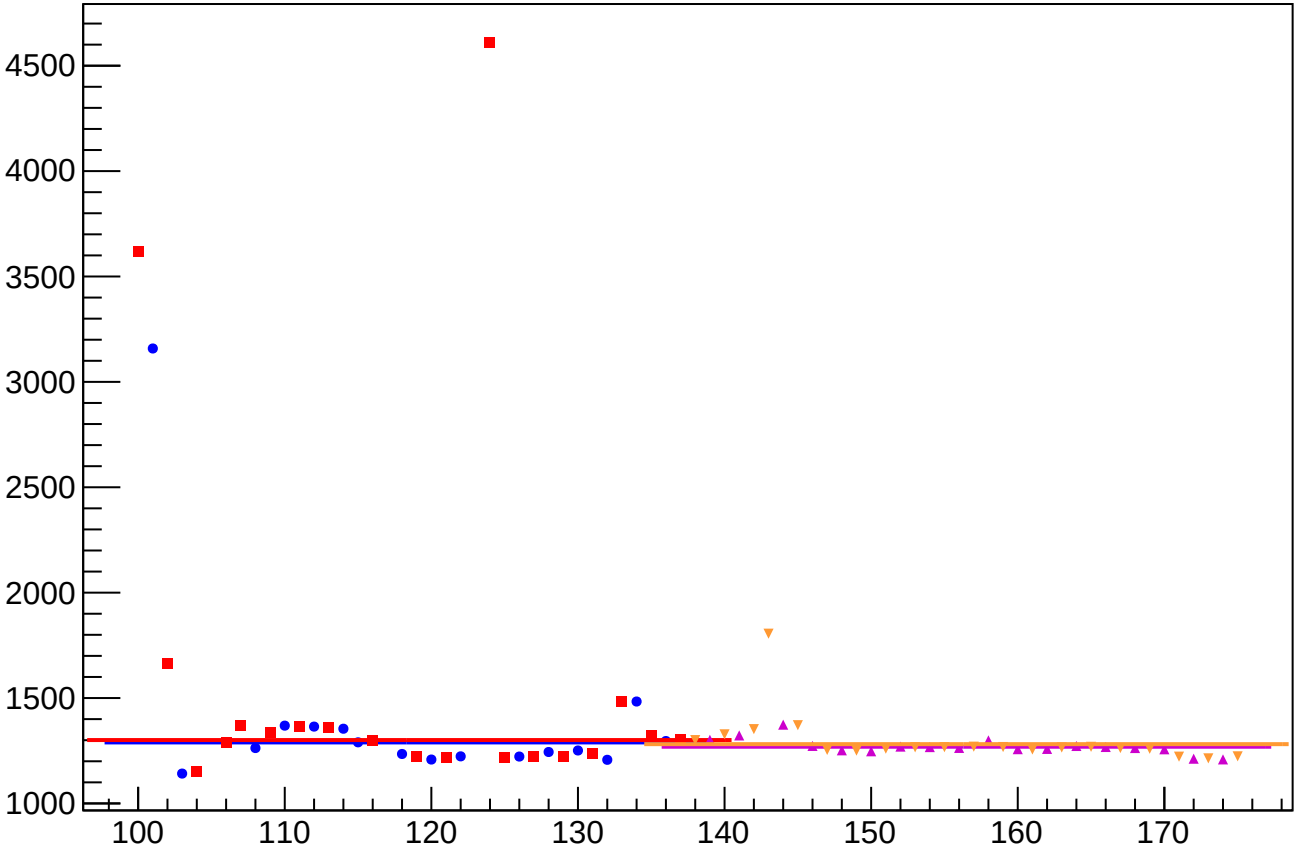
Left In: 594.340+/-329.096 χ^2/NDF:10.0/17

+ sign 308.627+/-269.111 χ^2/NDF: 57.5/35

All: 363.866+/-191.604 χ^2/NDF: 84.8/72

- sign 420.657+/-272.864 χ^2/NDF: 27.2/36

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

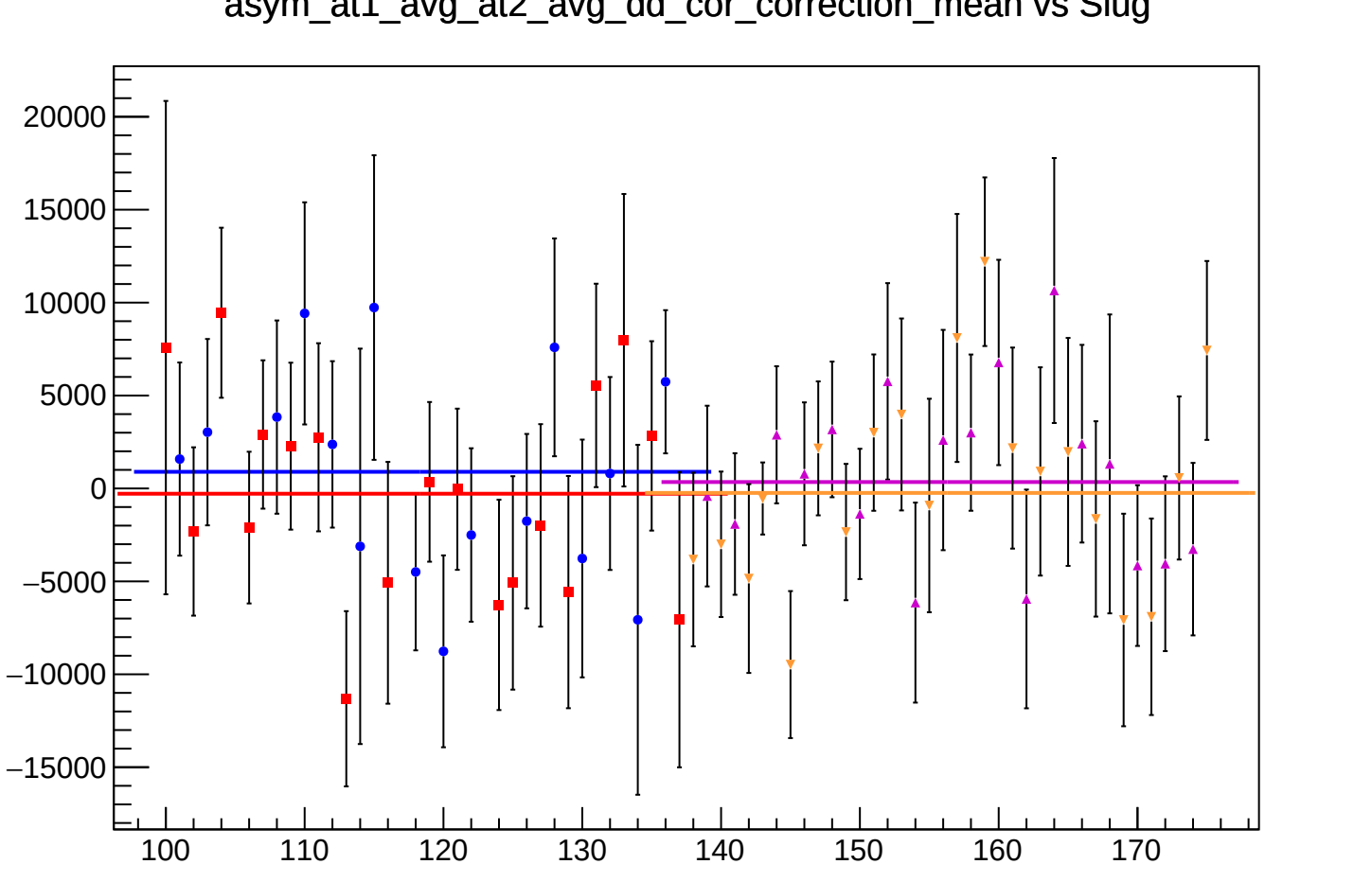
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1283.736+/-0.190 χ^2/NDF: 681839.1/35

All: 1281.382+/-0.135 χ^2/NDF: 1038356.9/72

- sign 1278.965+/-0.193 χ^2/NDF: 356207.8/36



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -240.144+/-946.403 χ^2/NDF:24.5/19

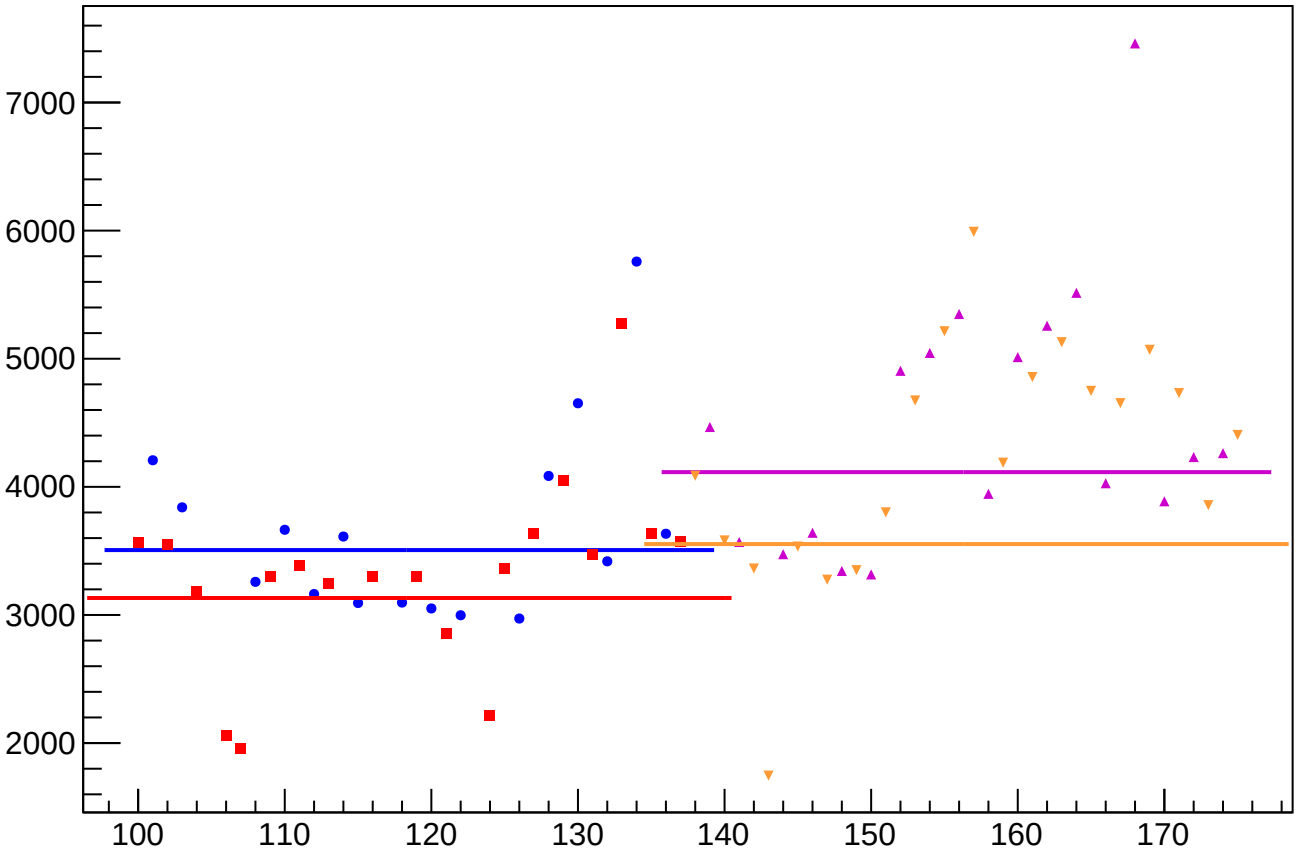
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 345.521+/-1090.149 χ^2/NDF:12.1/17

+ sign 143.749+/-770.092 χ^2/NDF: 39.1/35

All: 101.877+/-555.383 χ^2/NDF: 70.0/72

- sign 56.494+/-801.723 χ^2/NDF: 30.8/36



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

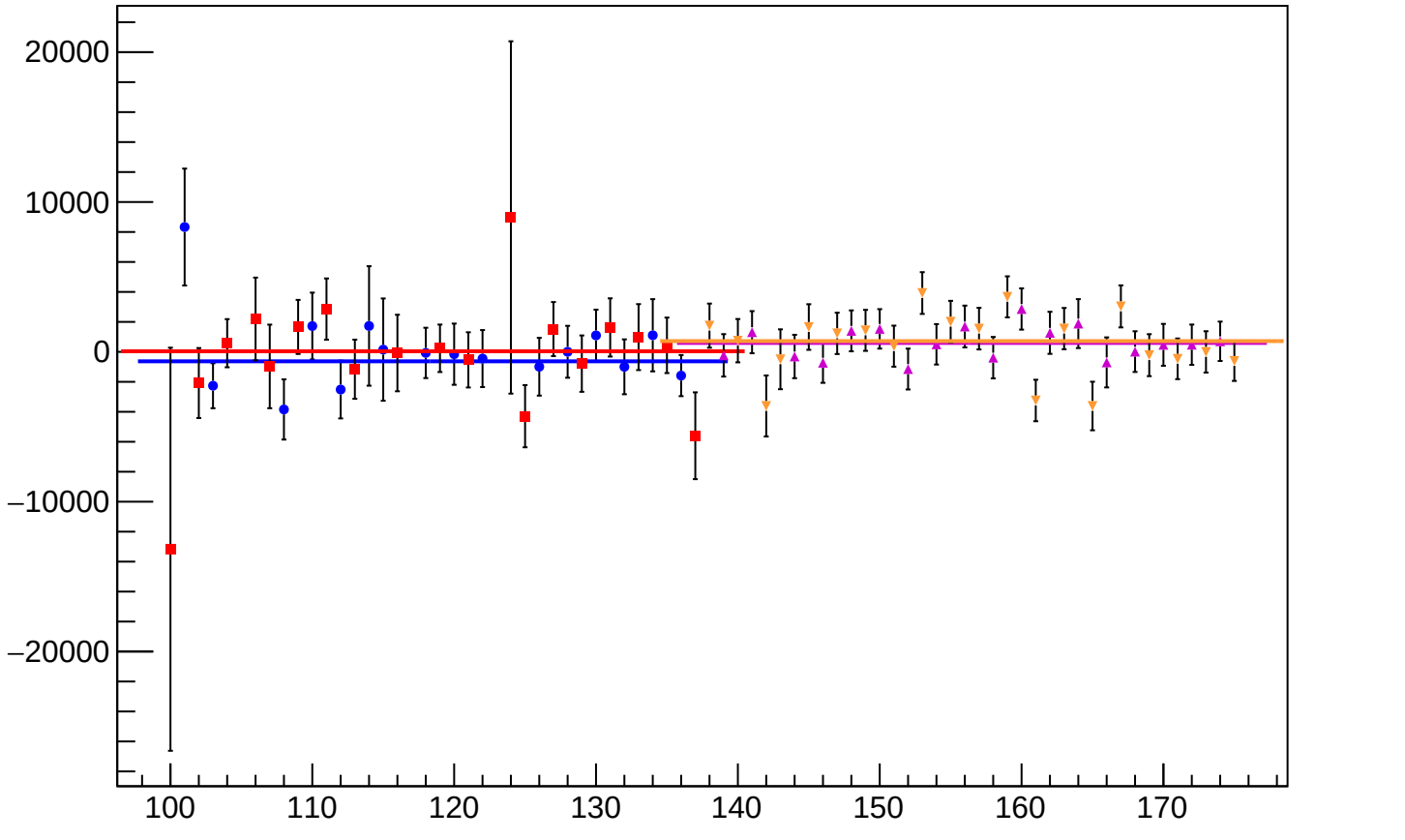
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

+ sign 3537.549+/-0.545 χ^2/NDF: 3463190.0/35

All: 3598.173+/-0.393 χ^2/NDF: 5974967.6/72

- sign 3663.878+/-0.567 χ^2/NDF: 2485950.0/36



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

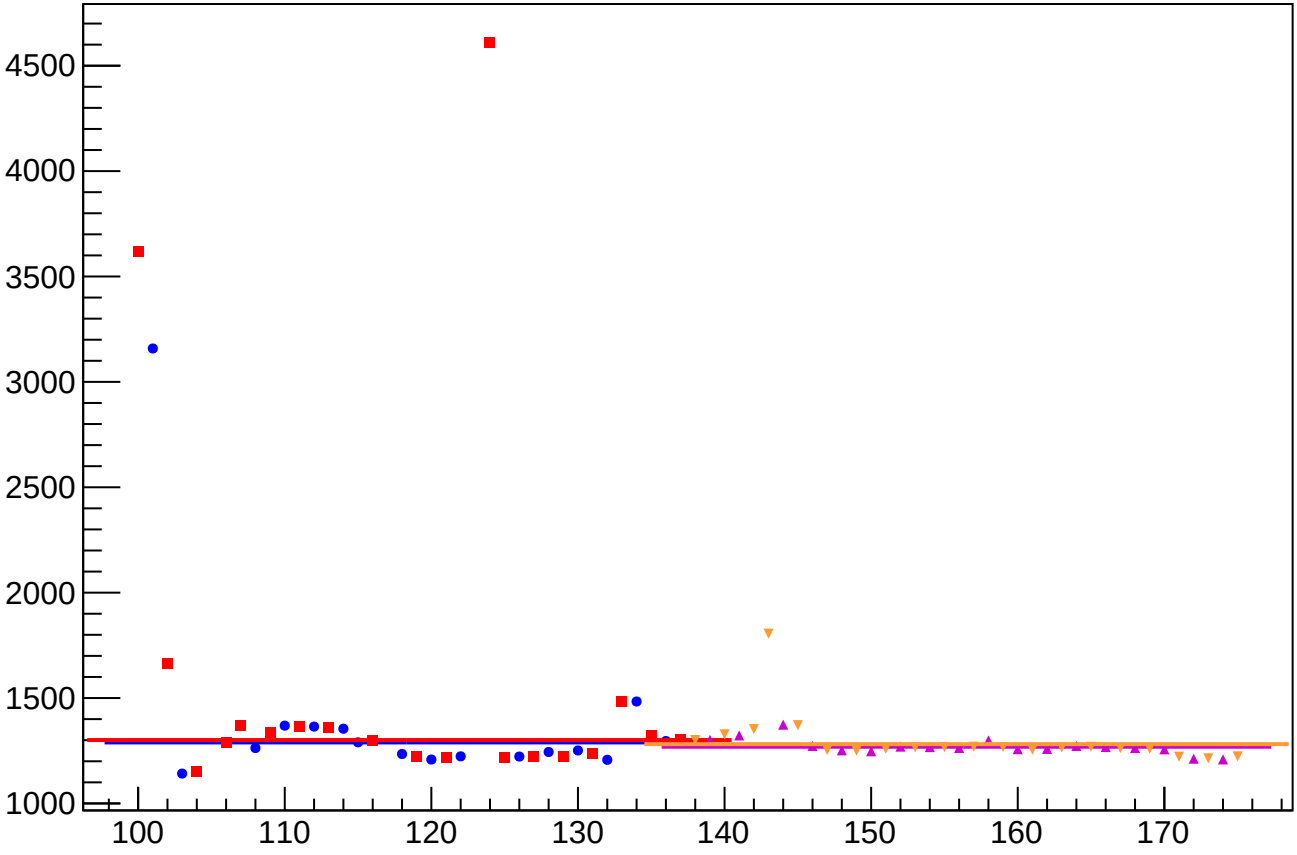
Left In: 594.340+/-329.096 χ^2/NDF:10.0/17

+ sign 308.627+/-269.111 χ^2/NDF: 57.5/35

All: 363.866+/-191.604 χ^2/NDF: 84.8/72

- sign 420.657+/-272.864 χ^2/NDF: 27.2/36

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

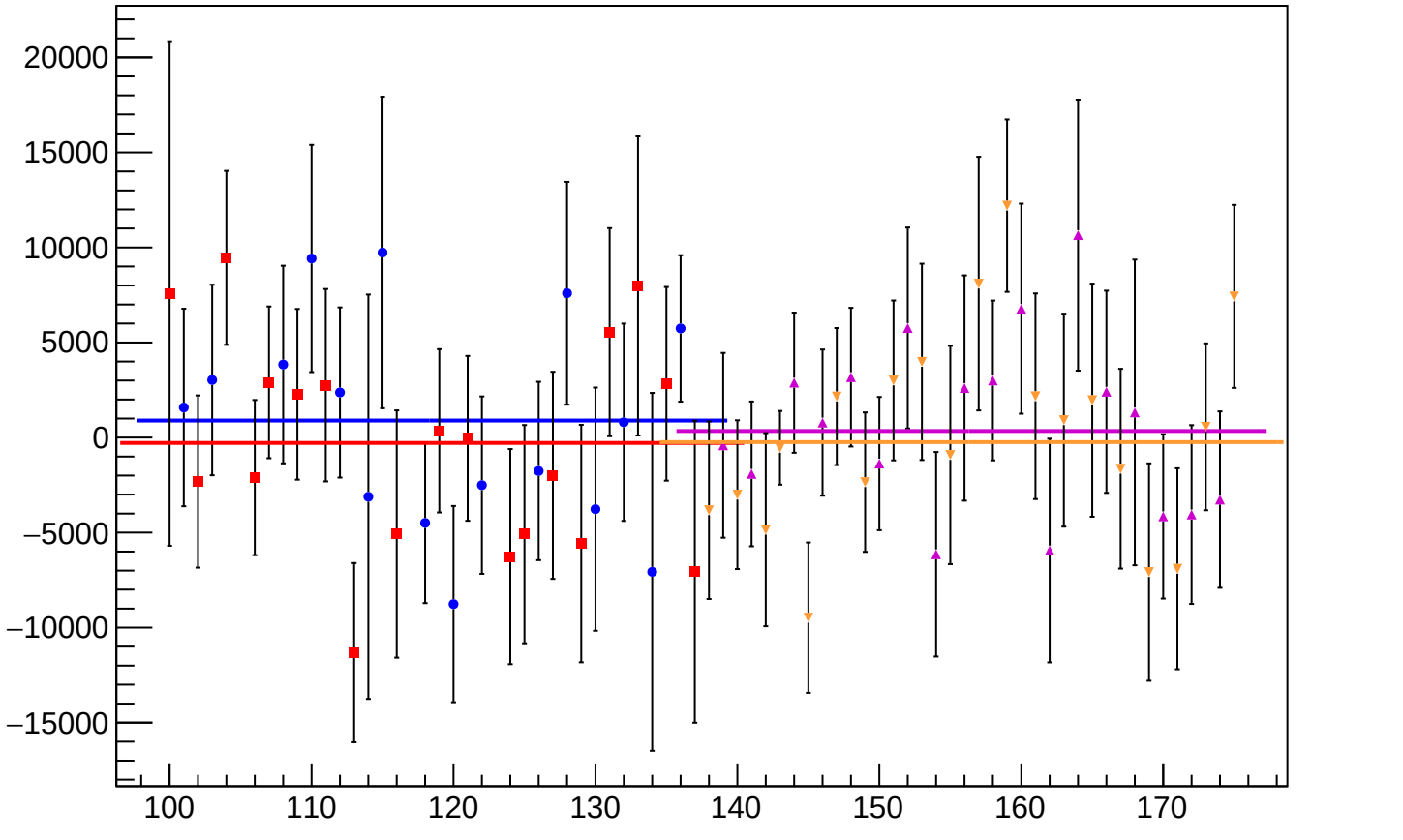
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1283.736+/-0.190 χ^2/NDF: 681839.1/35

All: 1281.382+/-0.135 χ^2/NDF: 1038356.9/72

- sign 1278.965+/-0.193 χ^2/NDF: 356207.8/36



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -240.144+/-946.403 χ^2/NDF:24.5/19

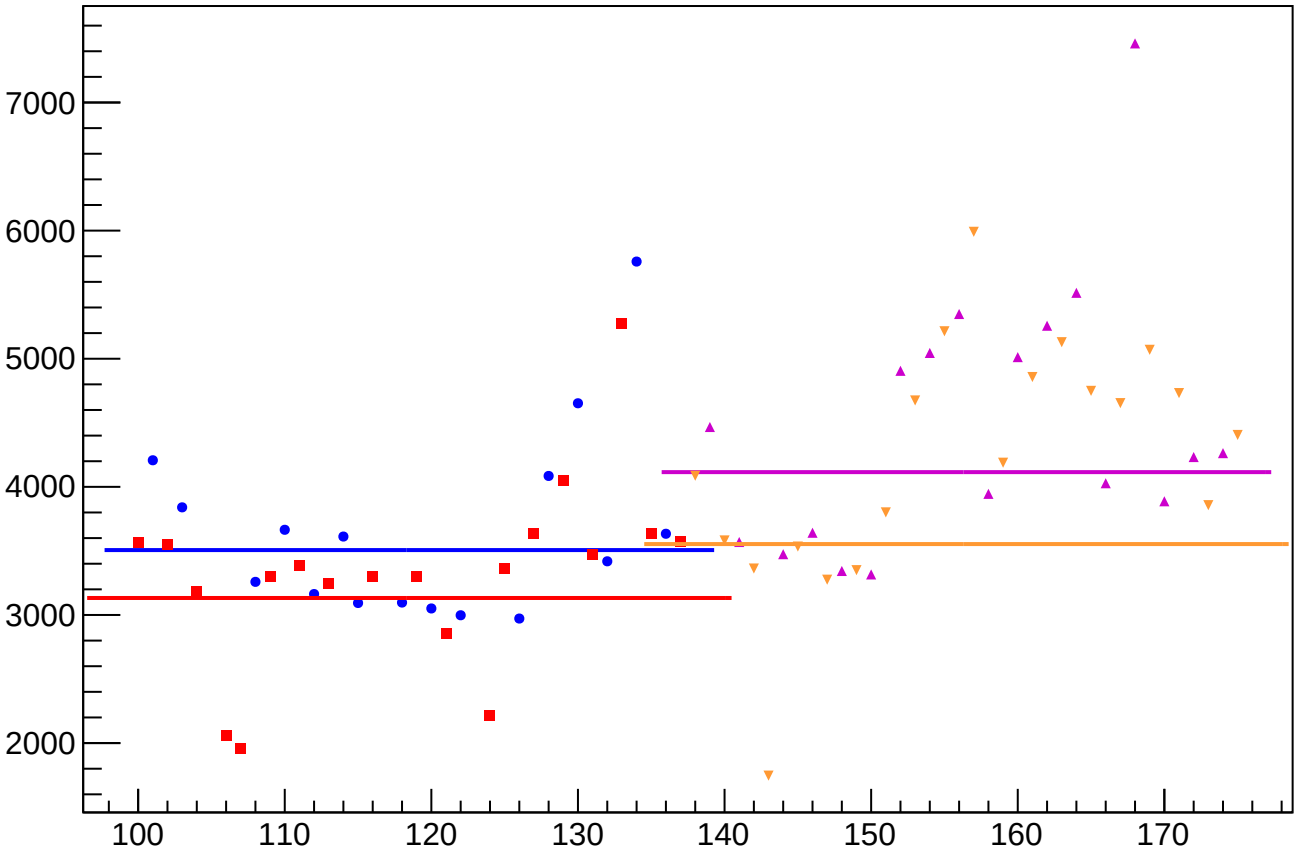
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 345.521+/-1090.149 χ^2/NDF:12.1/17

+ sign 143.749+/-770.092 χ^2/NDF: 39.1/35

All: 101.877+/-555.383 χ^2/NDF: 70.0/72

- sign 56.494+/-801.723 χ^2/NDF: 30.8/36



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

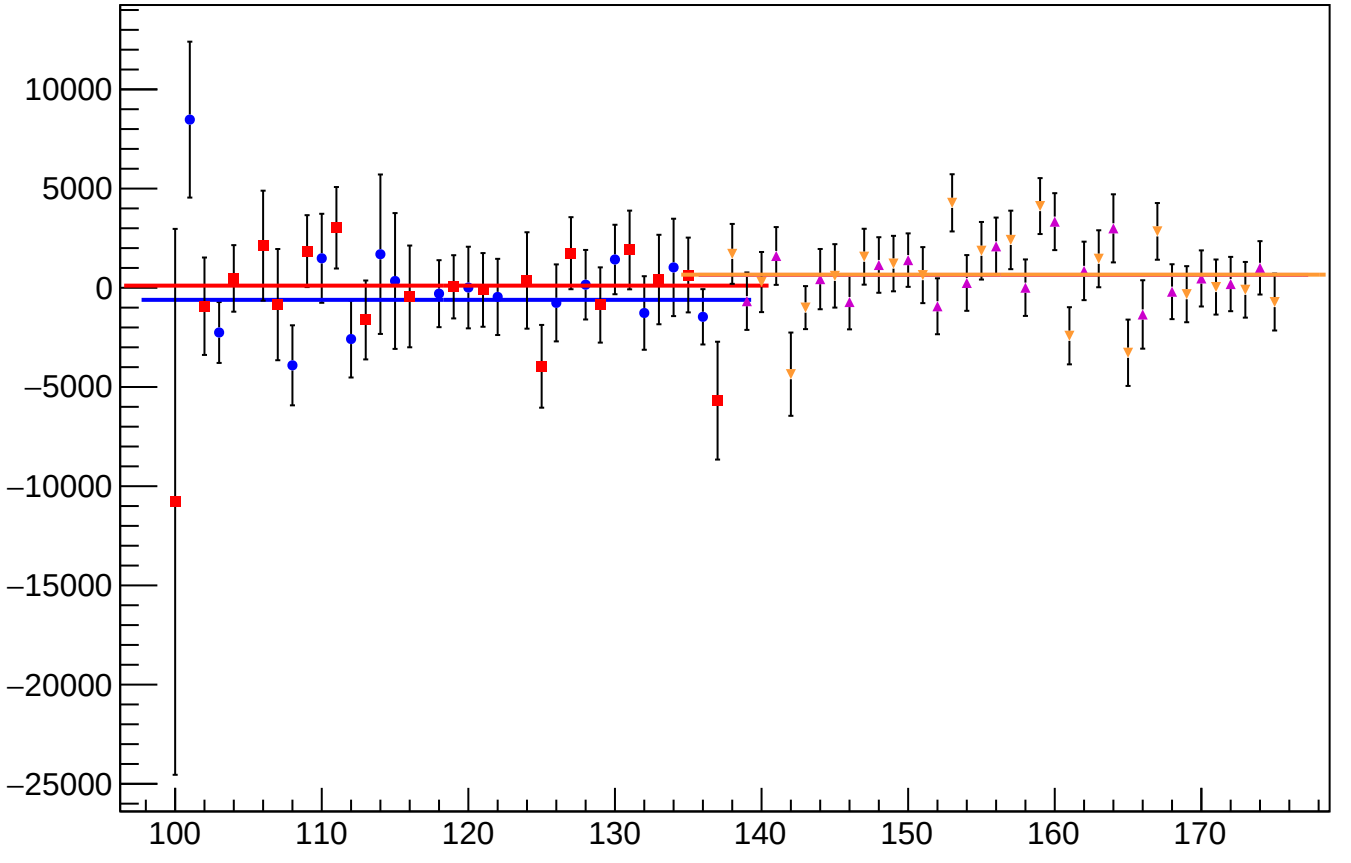
Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

+ sign 3537.549+/-0.545 χ^2/NDF: 3463190.0/35

All: 3598.173+/-0.393 χ^2/NDF: 5974967.6/72

- sign 3663.878+/-0.567 χ^2/NDF: 2485950.0/36

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.416+/-322.595 χ^2/NDF:38.3/19

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

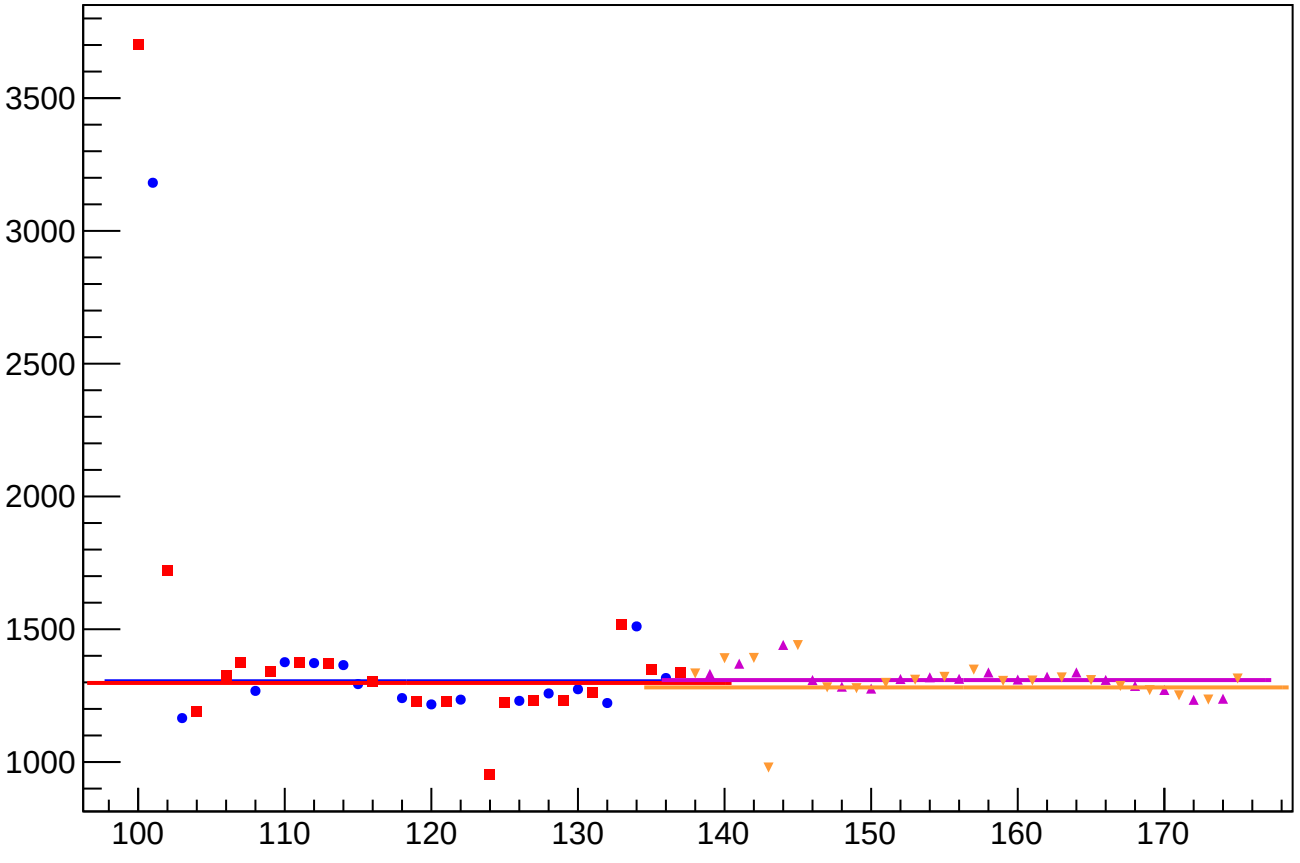
Left In: 647.406+/-339.439 χ^2/NDF:12.5/17

+ sign 282.163+/-270.134 χ^2/NDF: 57.0/35

All: 373.577+/-193.802 χ^2/NDF: 85.5/72

- sign 470.533+/-278.200 χ^2/NDF: 28.2/36

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207501.3/19

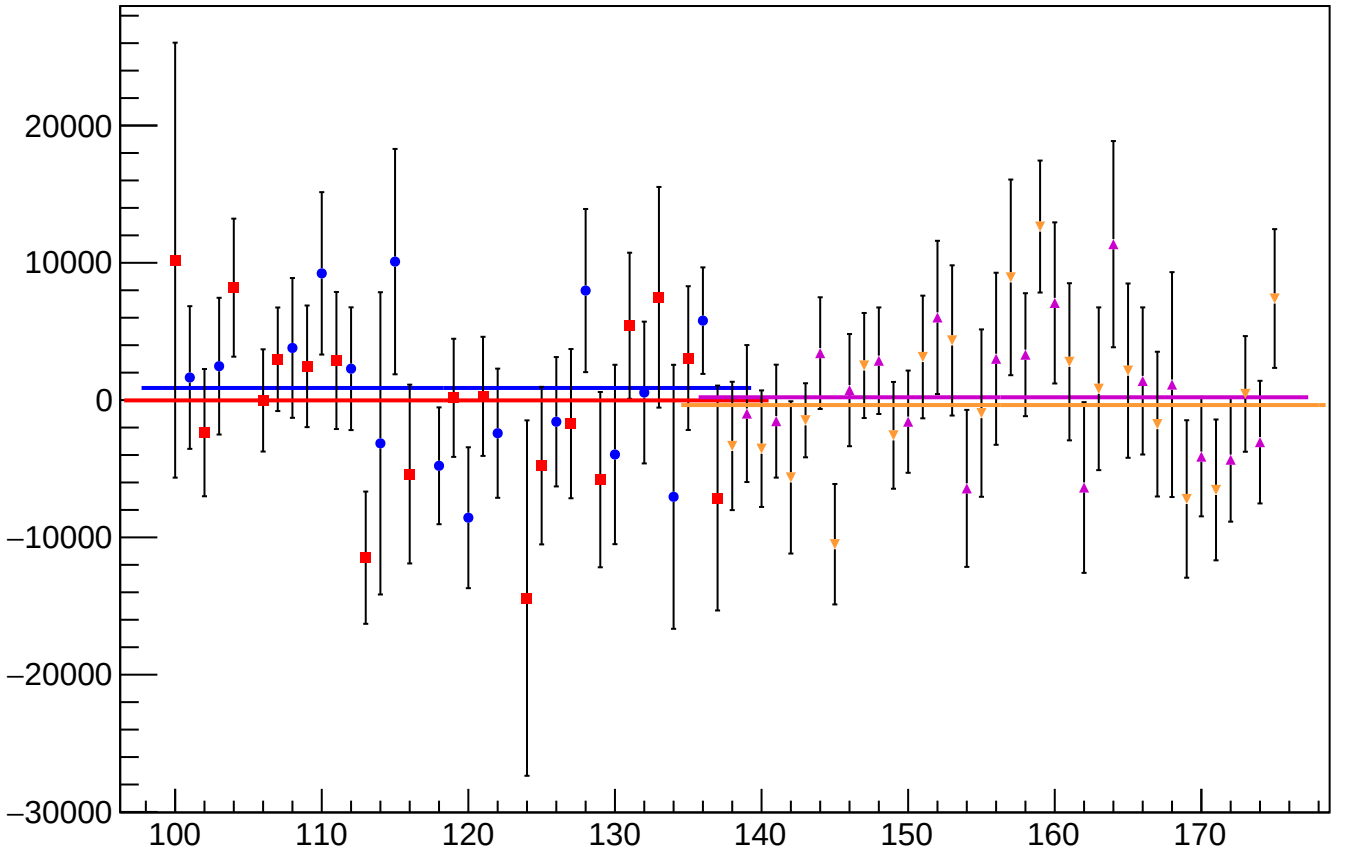
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1308.584+/-0.240 χ^2/NDF:35969.6/17

+ sign 1287.885+/-0.191 χ^2/NDF: 721162.3/35

All: 1296.212+/-0.137 χ^2/NDF: 974807.4/72

- sign 1305.039+/-0.197 χ^2/NDF: 249730.3/36



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -361.243+/-1045.588 χ^2/NDF:24.5/19

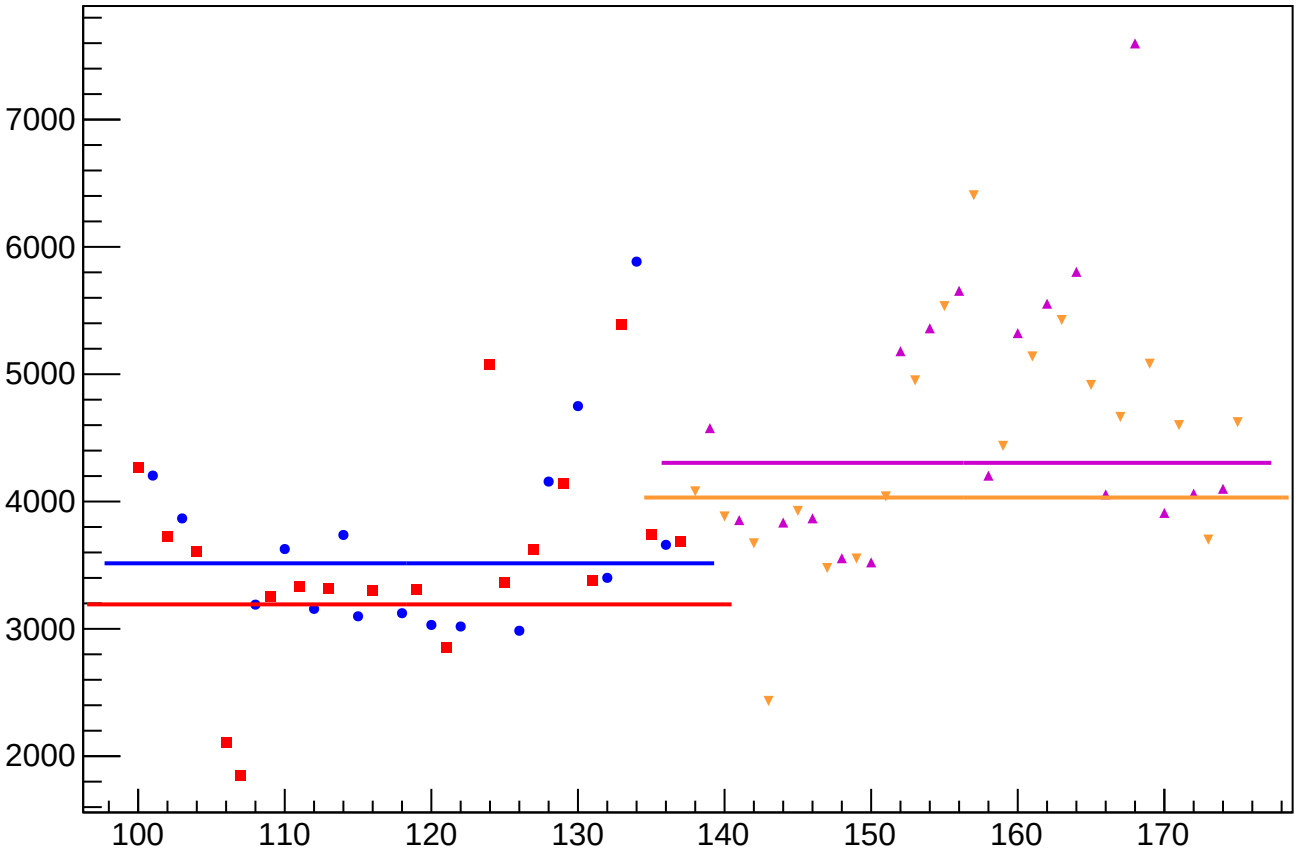
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 206.543+/-1139.188 χ^2/NDF:12.0/17

\+ sign 115.575+/-821.373 χ^2/NDF: 39.2/35

All: 107.254+/-582.496 χ^2/NDF: 68.0/72

\- sign 98.836+/-826.194 χ^2/NDF: 28.8/36



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4031.441+/-0.739 χ^2/NDF:1584886.0/19

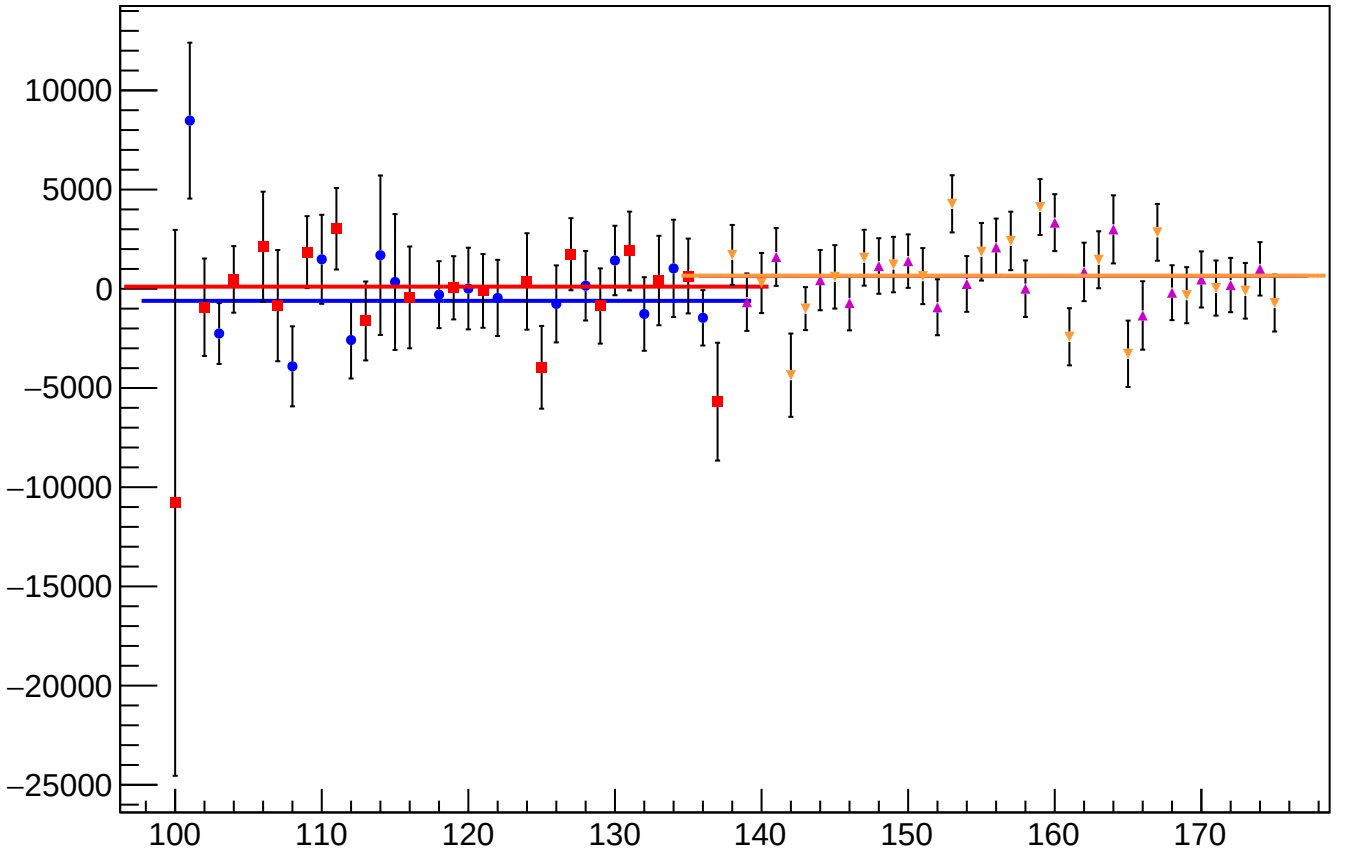
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4303.858+/-0.806 χ^2/NDF:1028472.8/17

+ sign 3833.602+/-0.581 χ^2/NDF: 2146971.3/35

All: 3805.426+/-0.412 χ^2/NDF: 4855430.0/72

- sign 3776.918+/-0.584 χ^2/NDF: 2703723.9/36



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.419+/-322.596 χ^2/NDF:38.3/19

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

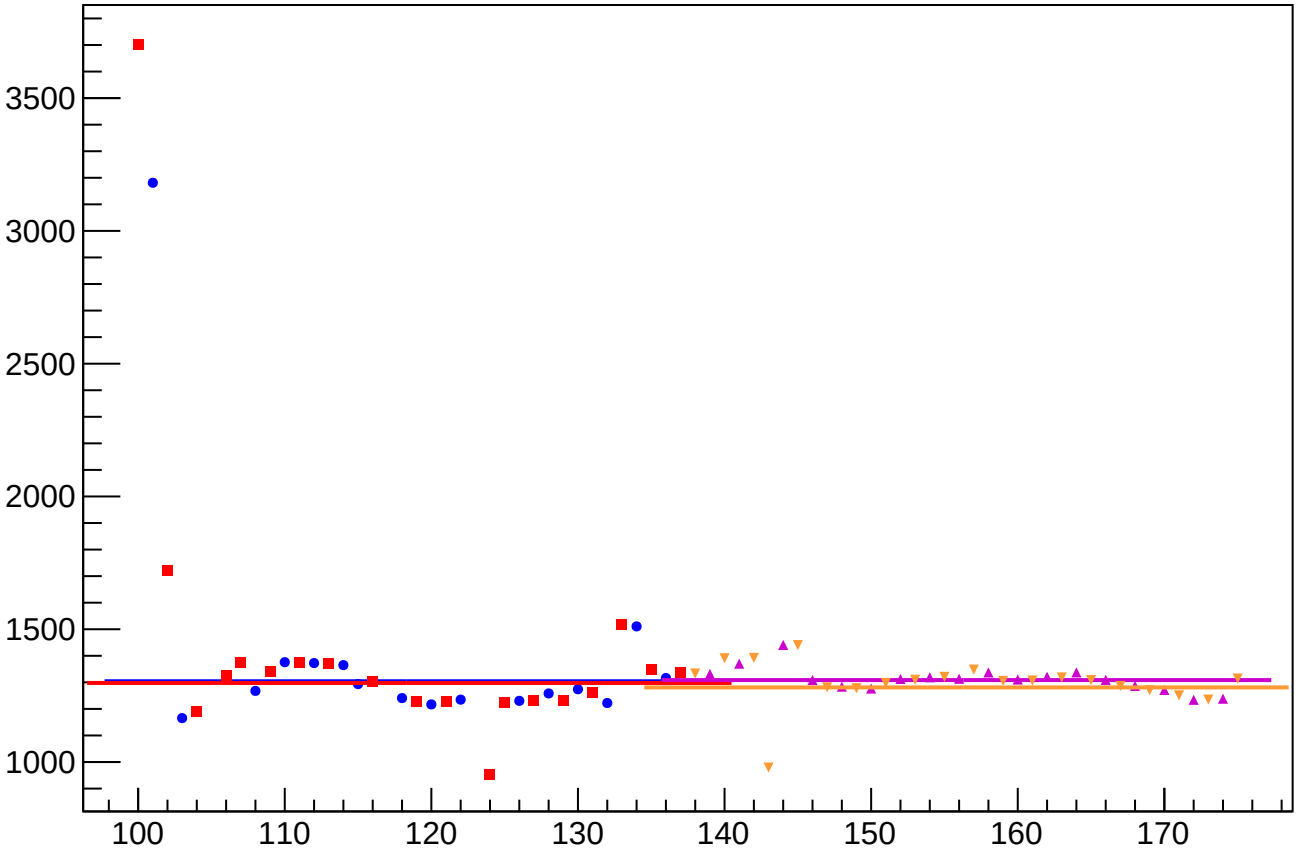
Left In: 647.407+/-339.439 χ^2/NDF:12.5/17

+ sign 282.163+/-270.134 χ^2/NDF: 57.0/35

All: 373.579+/-193.802 χ^2/NDF: 85.5/72

- sign 470.535+/-278.200 χ^2/NDF: 28.2/36

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207502.5/19

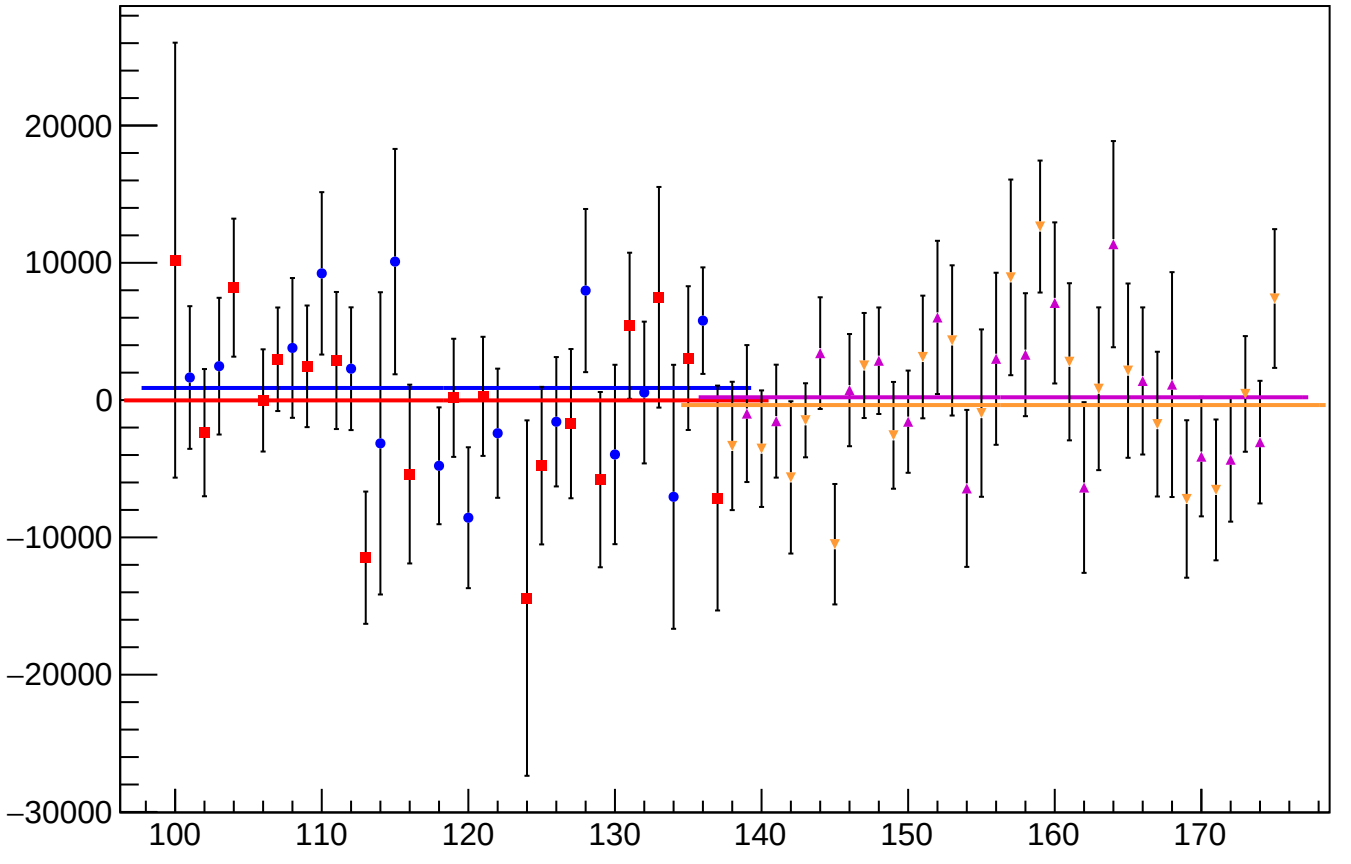
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1308.585+/-0.240 χ^2/NDF:35970.7/17

+ sign 1287.886+/-0.191 χ^2/NDF: 721163.4/35

All: 1296.212+/-0.137 χ^2/NDF: 974809.8/72

- sign 1305.040+/-0.197 χ^2/NDF: 249731.6/36



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -361.241+/-1045.589 χ^2/NDF:24.5/19

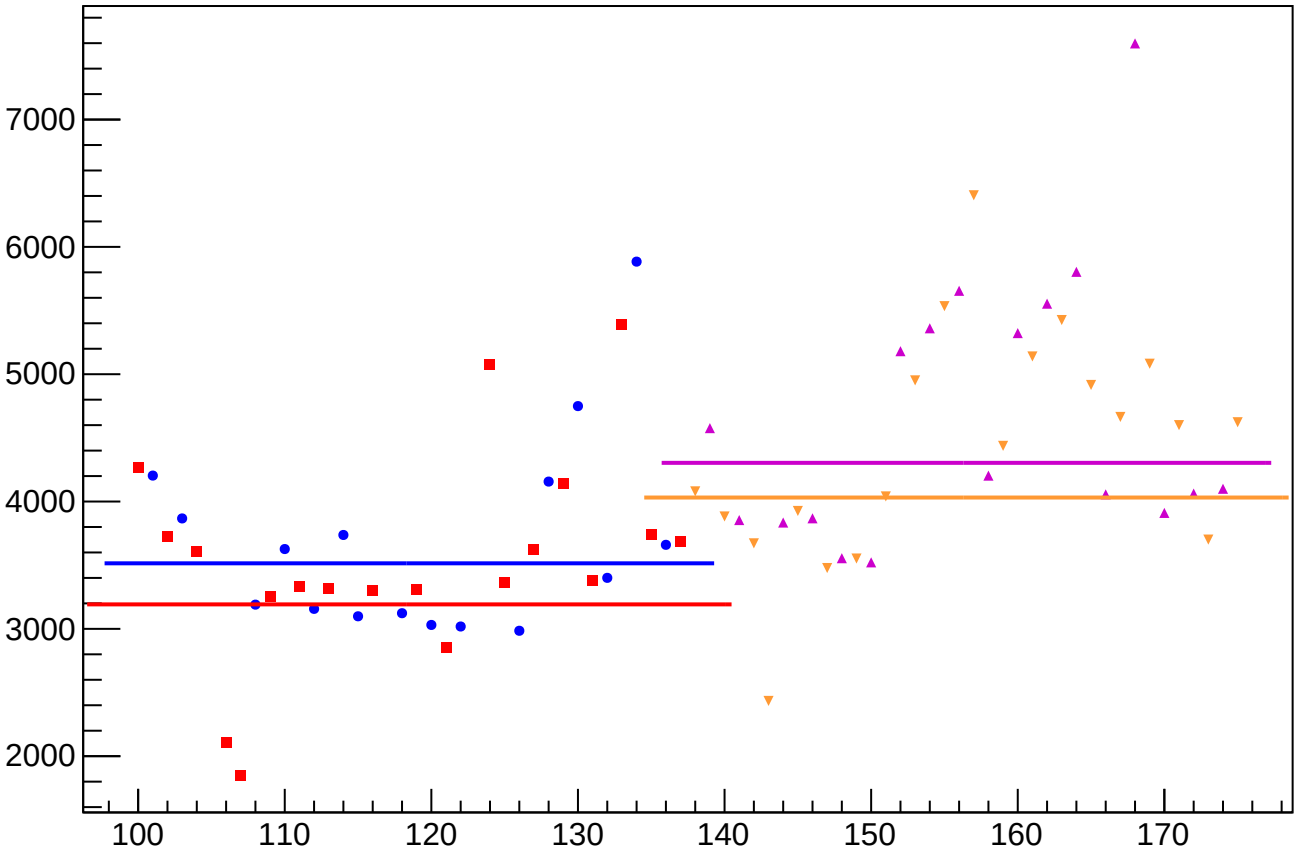
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 206.542+/-1139.189 χ^2/NDF:12.0/17

+ sign 115.574+/-821.373 χ^2/NDF: 39.2/35

All: 107.255+/-582.496 χ^2/NDF: 68.0/72

- sign 98.837+/-826.194 χ^2/NDF: 28.8/36



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4031.448+/-0.739 χ^2/NDF:1584887.1/19

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

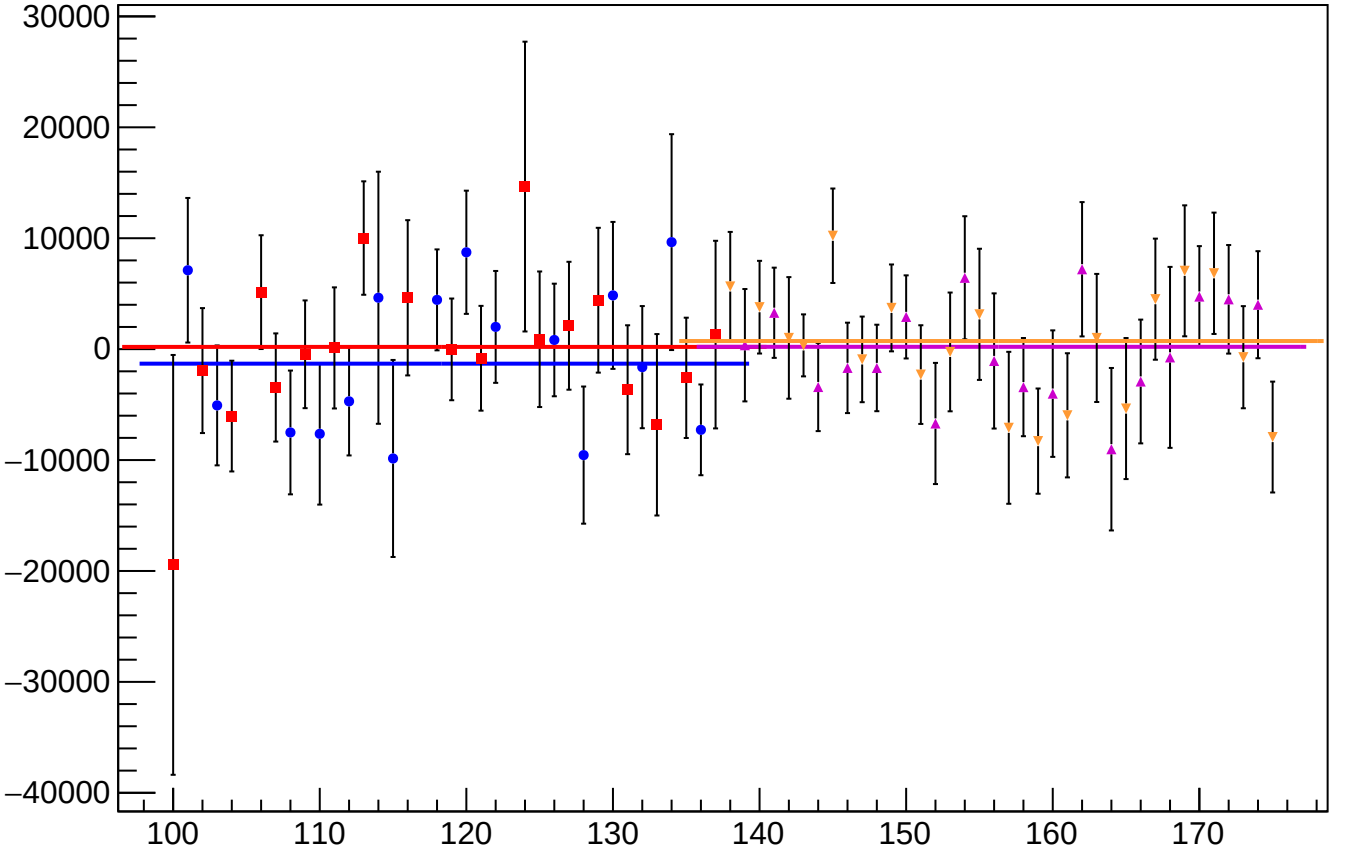
Left In: 4303.864+/-0.806 χ^2/NDF:1028474.8/17

+ sign 3833.601+/-0.581 χ^2/NDF: 2146988.1/35

All: 3805.424+/-0.412 χ^2/NDF: 4855475.3/72

- sign 3776.915+/-0.584 χ^2/NDF: 2703752.1/36

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 730.737+/-1056.069 χ^2/NDF:21.2/19

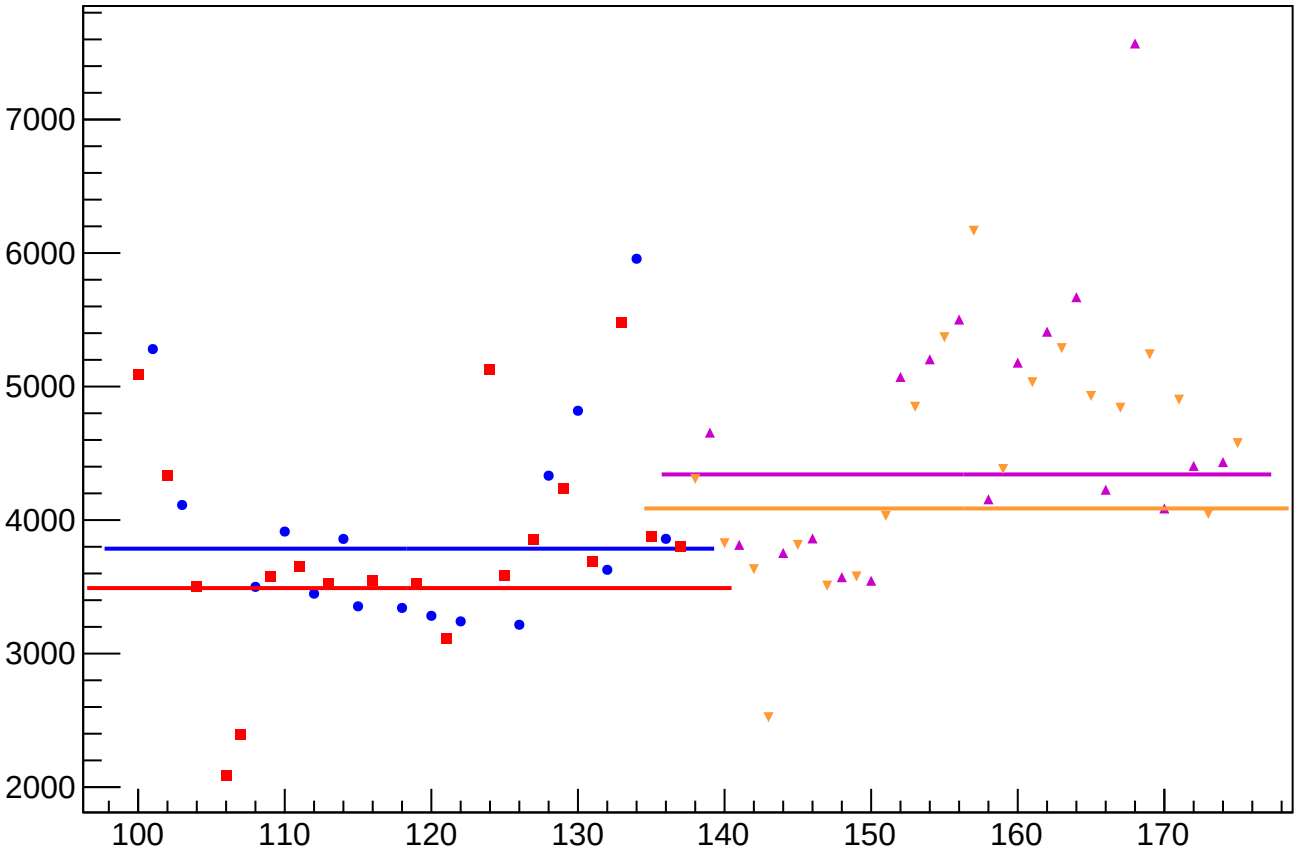
Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 210.269+/-1146.548 χ^2/NDF:12.1/17

+ sign 11.814+/-849.857 χ^2/NDF: 40.1/35

All: 106.911+/-607.967 χ^2/NDF: 63.9/72

- sign 206.589+/-870.089 χ^2/NDF: 23.8/36



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4086.971+/-0.747 χ^2/NDF:1422530.3/19

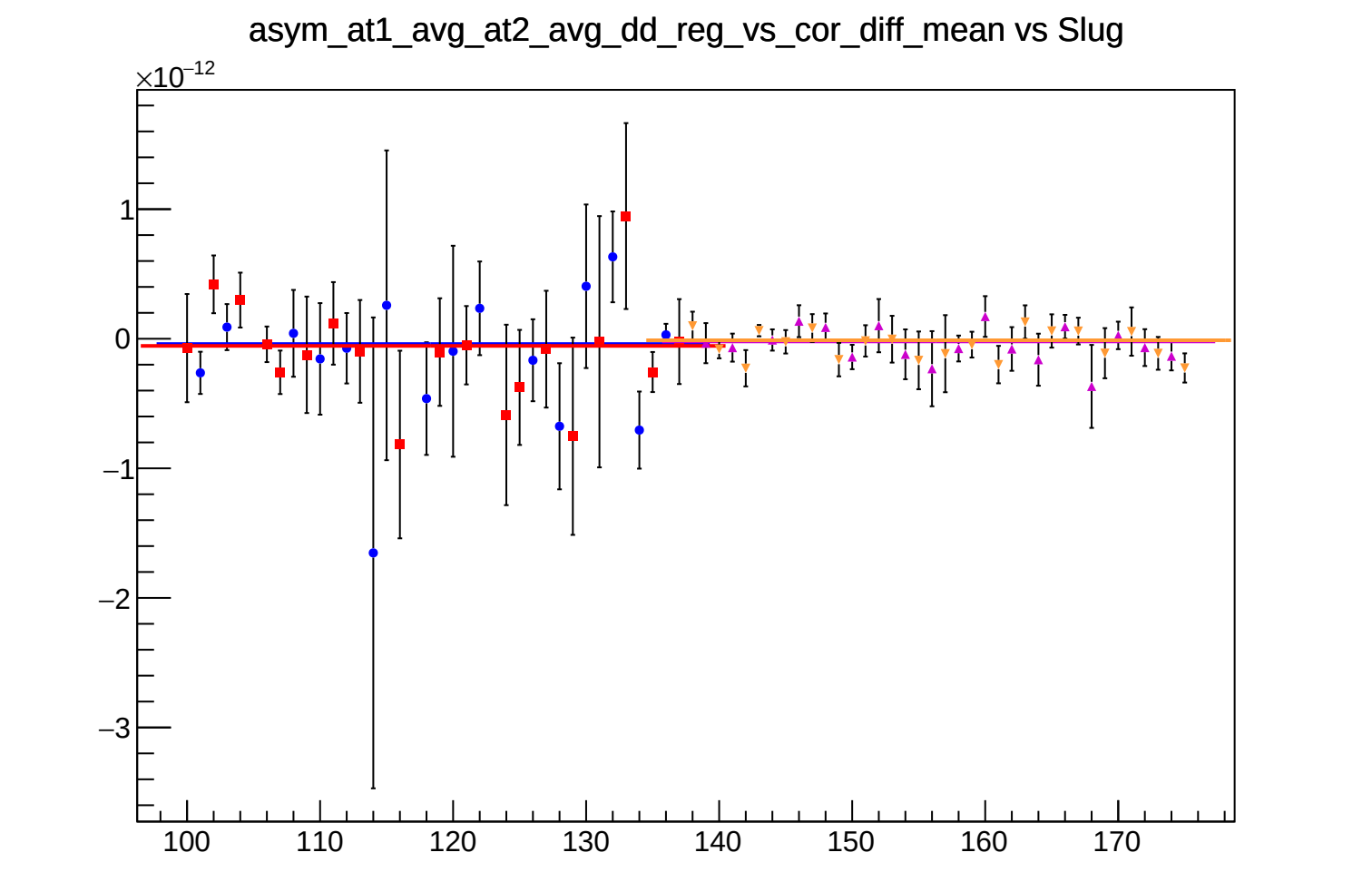
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4341.856+/-0.811 χ^2/NDF:933474.2/17

+ sign 3980.828+/-0.601 χ^2/NDF: 1862853.9/35

All: 3978.024+/-0.429 χ^2/NDF: 3858041.8/72

- sign 3975.120+/-0.612 χ^2/NDF: 1995143.6/36



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.4/19

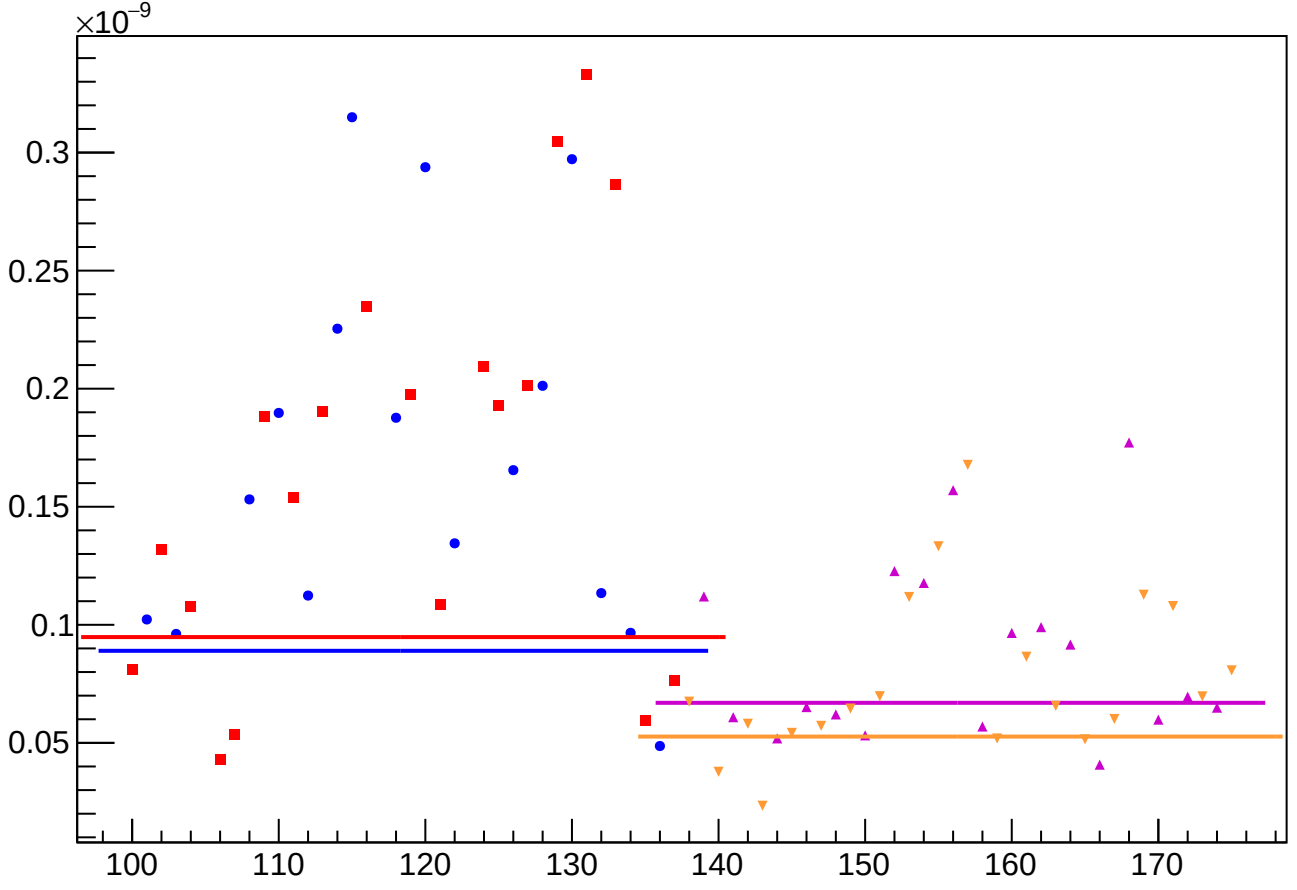
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/35

All: -0.000+/-0.000 χ^2/NDF: 63.6/72

- sign -0.000+/-0.000 χ^2/NDF: 28.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2521984.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

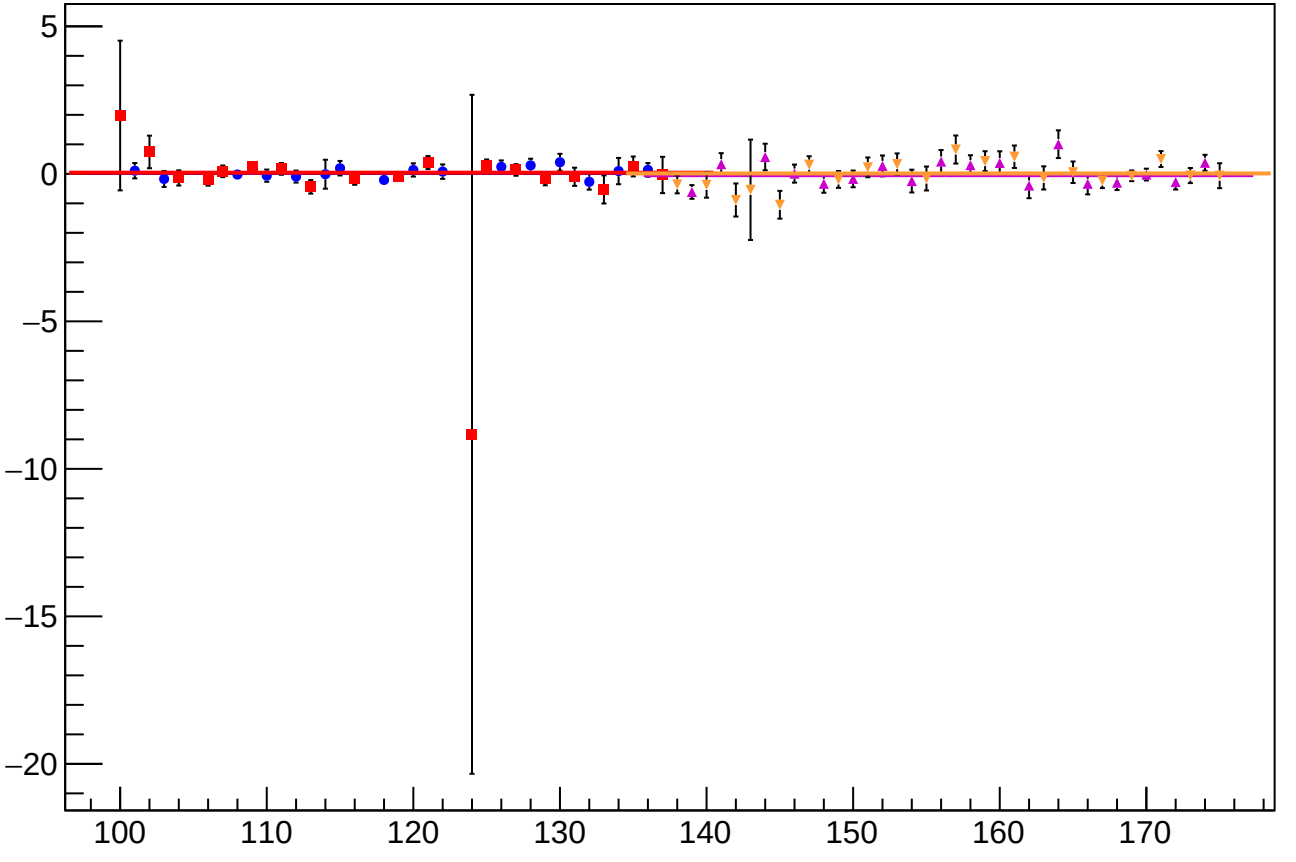
Left In: 0.000+/-0.000 χ^2/NDF:1375901.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 4636836.9/35

All: 0.000+/-0.000 χ^2/NDF: 8397999.2/72

- sign 0.000+/-0.000 χ^2/NDF: 3423324.0/36

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

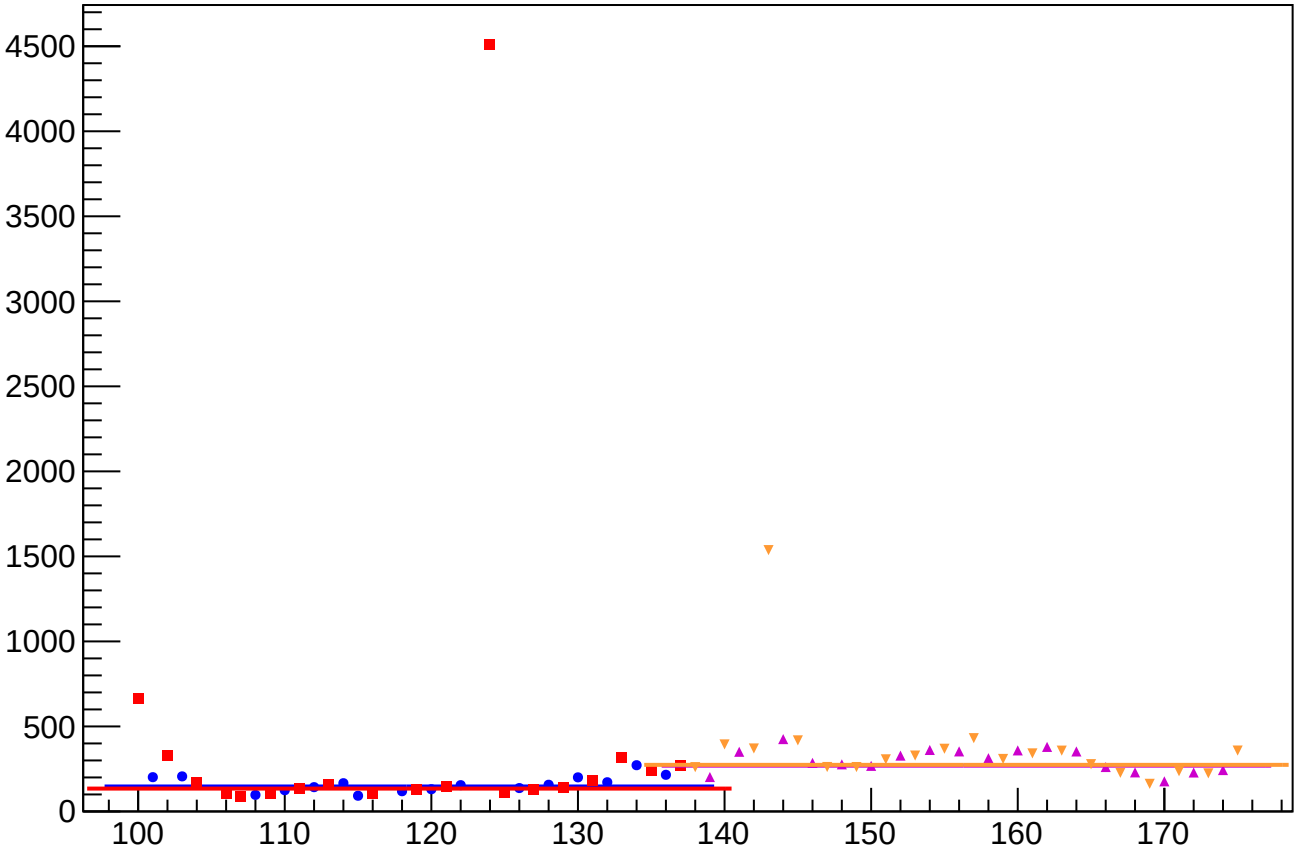
Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.016+/-0.031 χ^2/NDF: 79.8/72

- sign 0.009+/-0.044 χ^2/NDF: 46.0/36

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092245.2/19

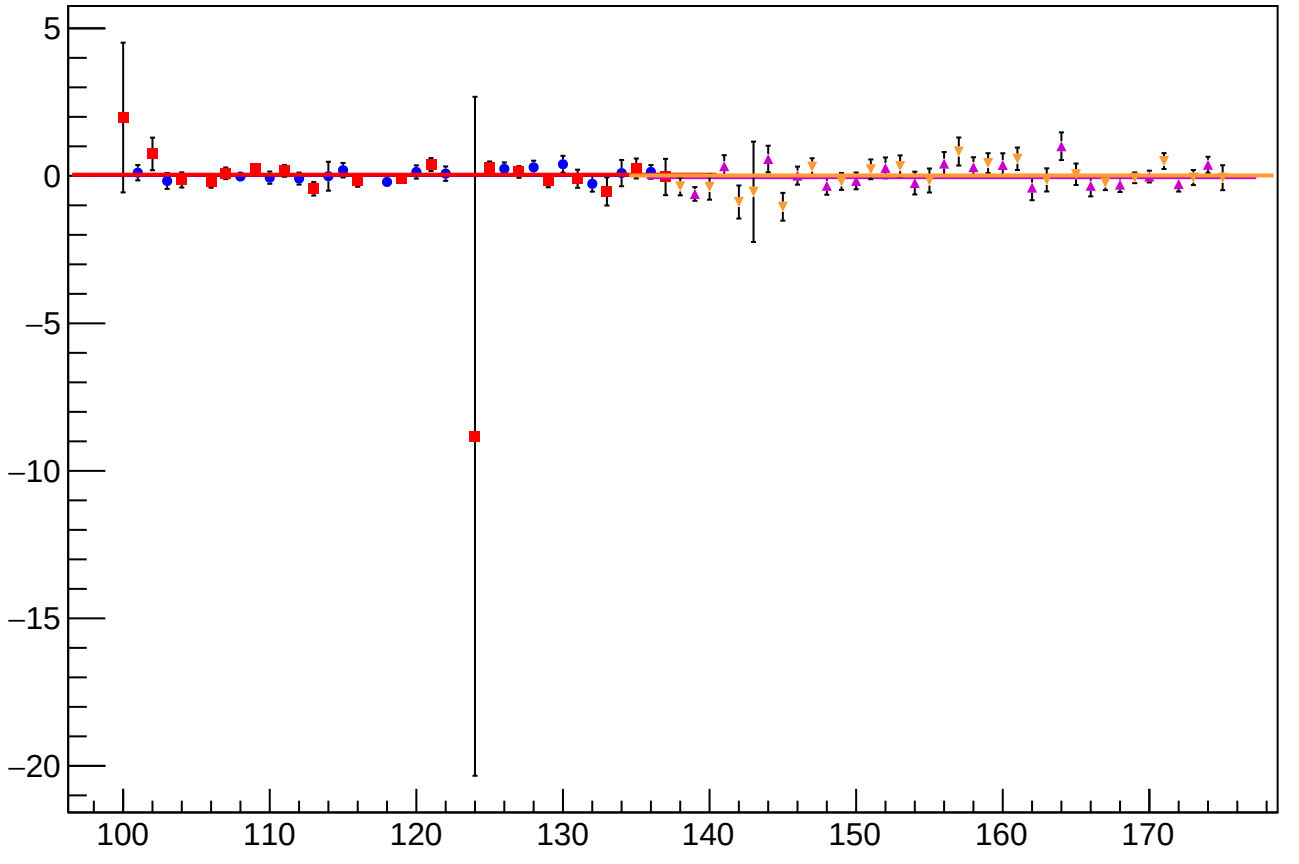
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

+ sign 195.414+/-0.032 χ^2/NDF: 7803505.3/35

All: 189.106+/-0.022 χ^2/NDF: 15507610.9/72

- sign 183.234+/-0.031 χ^2/NDF: 7629435.0/36



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

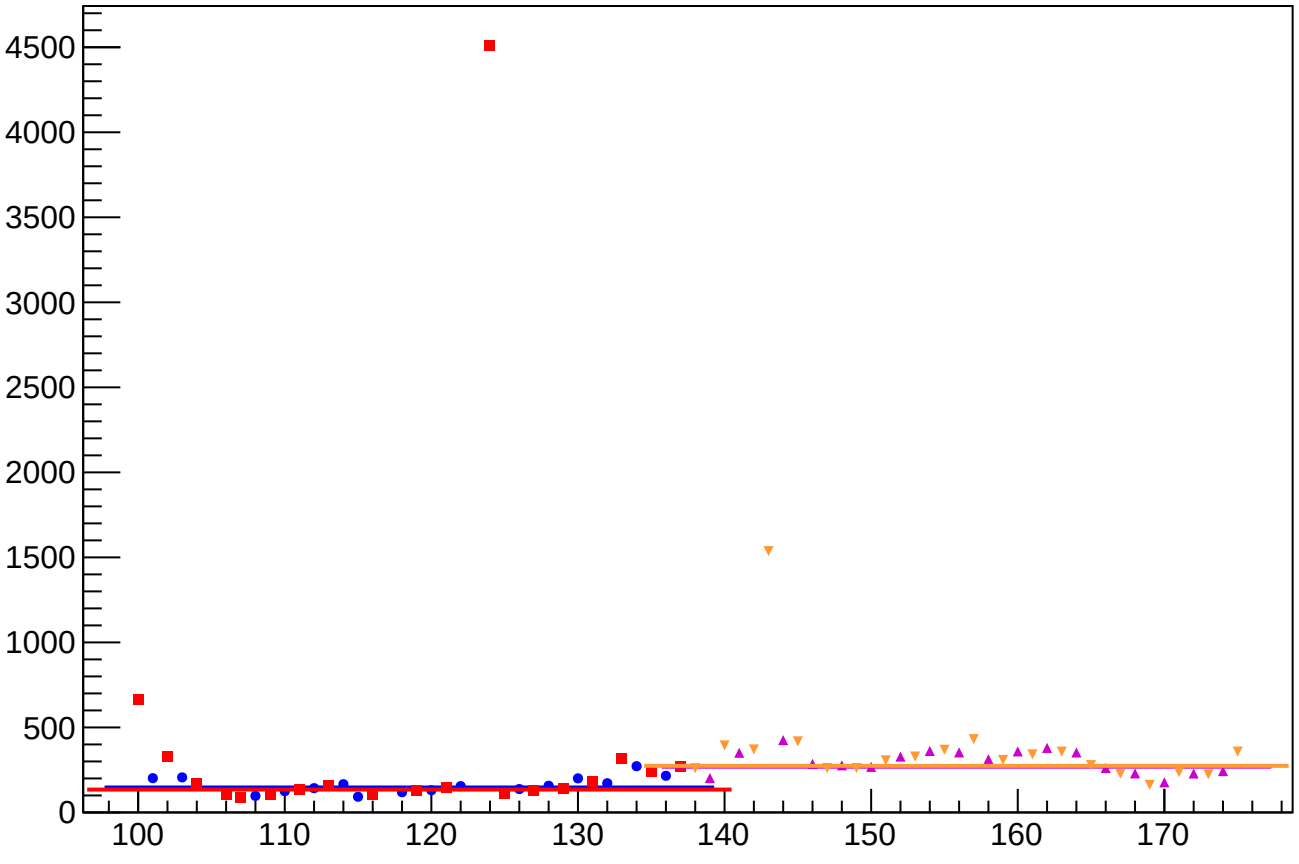
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.016+/-0.031 χ^2/NDF: 79.8/72

- sign 0.009+/-0.044 χ^2/NDF: 46.0/36



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092245.2/19

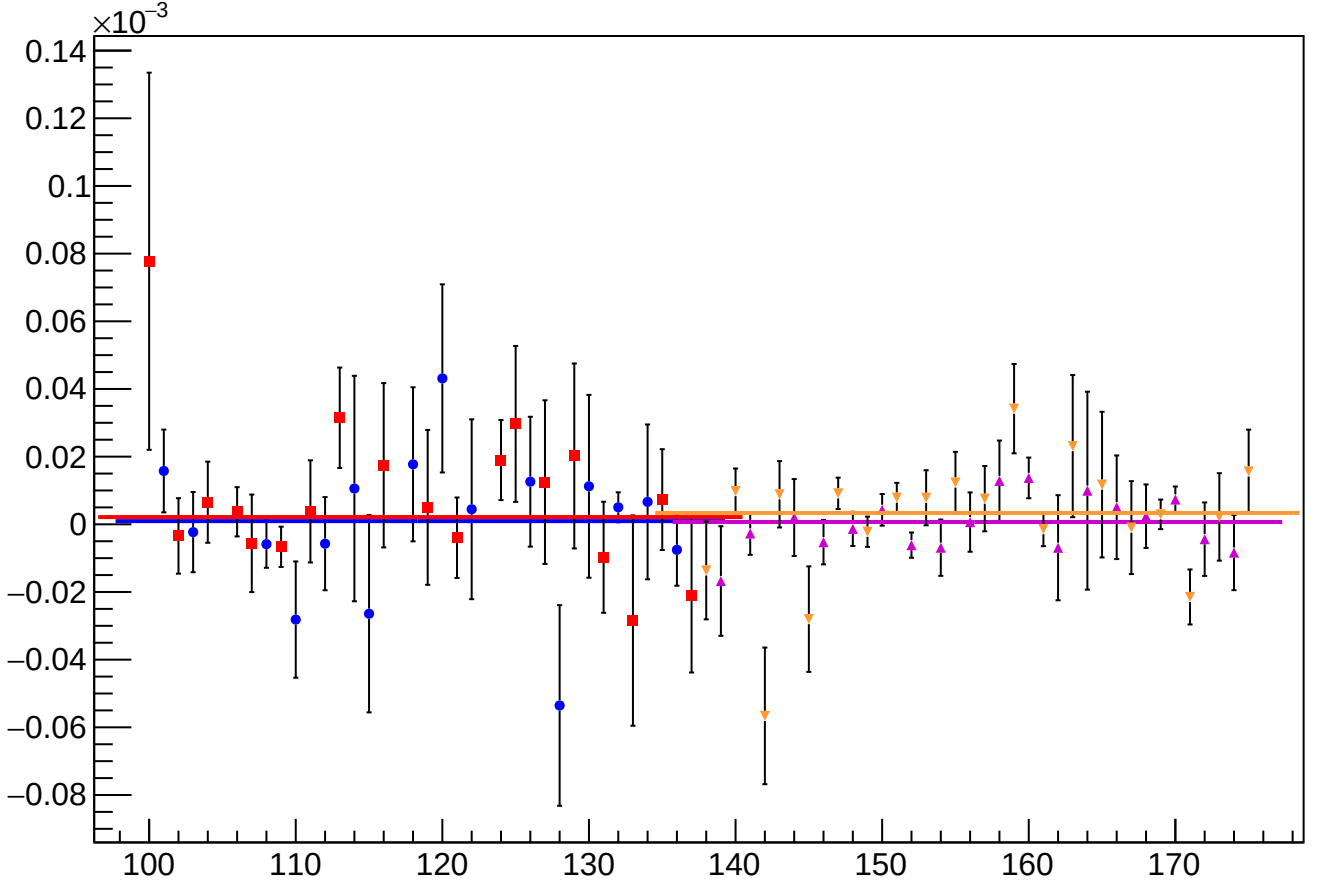
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

+ sign 195.414+/-0.032 χ^2/NDF: 7803505.3/35

All: 189.106+/-0.022 χ^2/NDF: 15507610.9/72

- sign 183.234+/-0.031 χ^2/NDF: 7629435.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.0/19

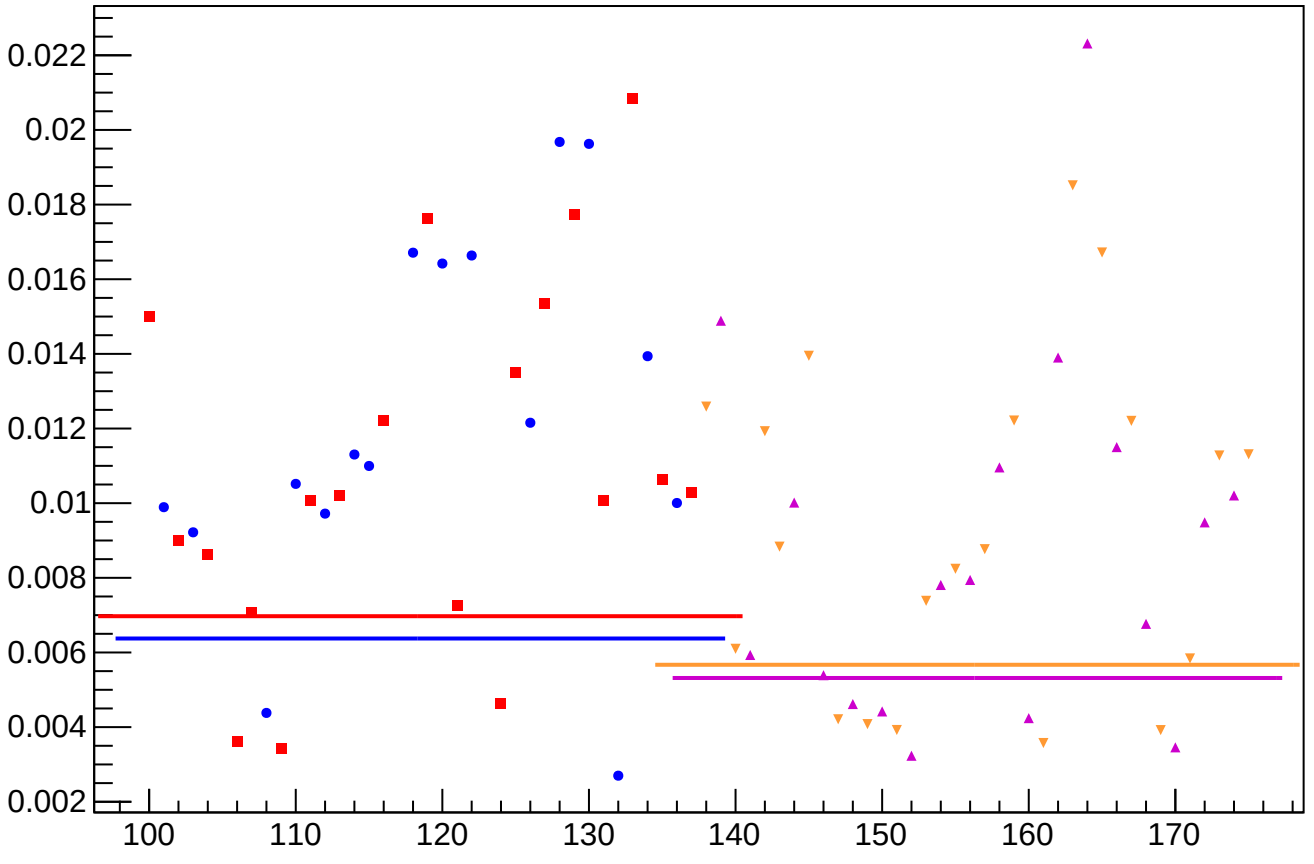
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 54.4/35

All: 0.000+/-0.000 χ^2/NDF: 88.7/72

- sign 0.000+/-0.000 χ^2/NDF: 33.5/36



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6338818.3/19

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

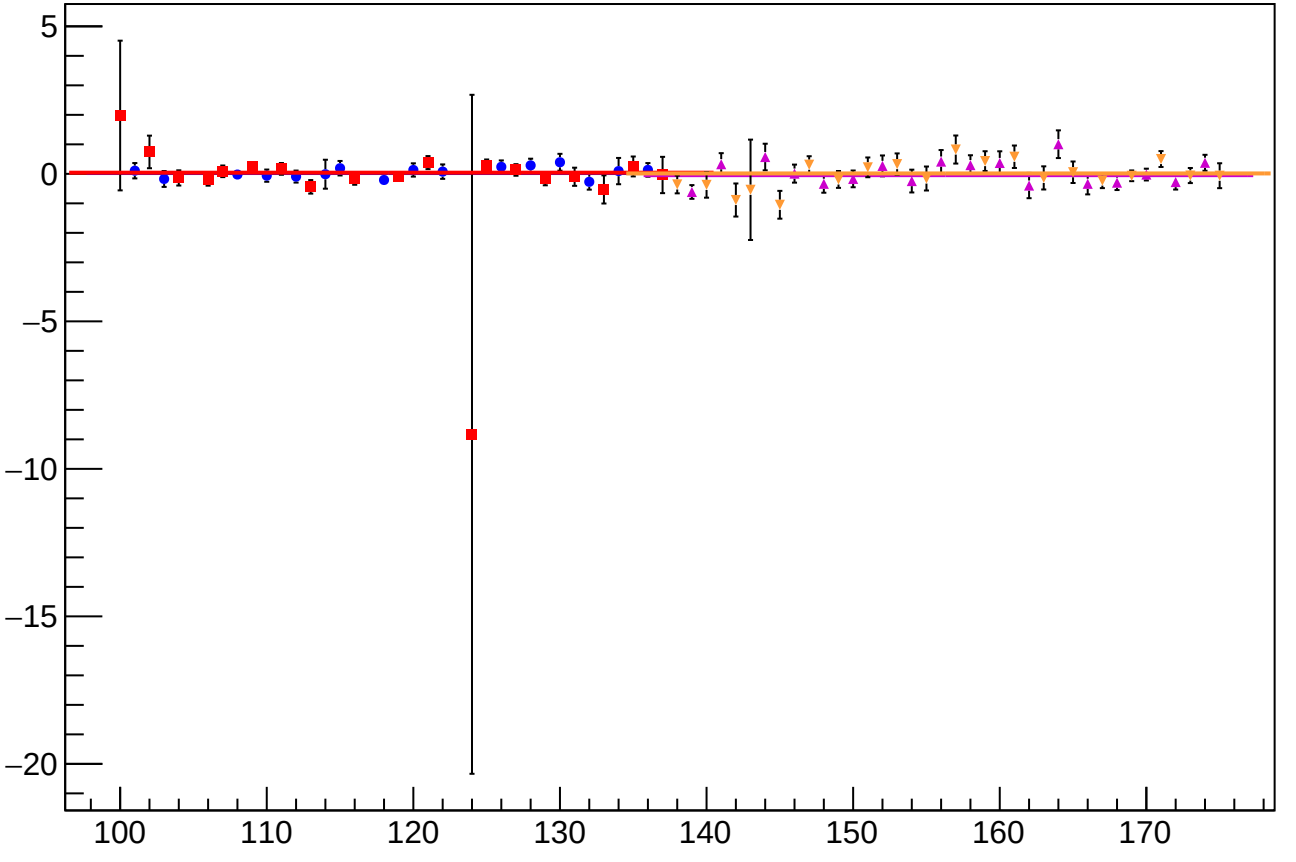
Left In: 0.005+/-0.000 χ^2/NDF:5474521.5/17

+ sign 0.006+/-0.000 χ^2/NDF: 11066298.4/35

All: 0.006+/-0.000 χ^2/NDF: 20431261.5/72

- sign 0.006+/-0.000 χ^2/NDF: 9353227.0/36

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

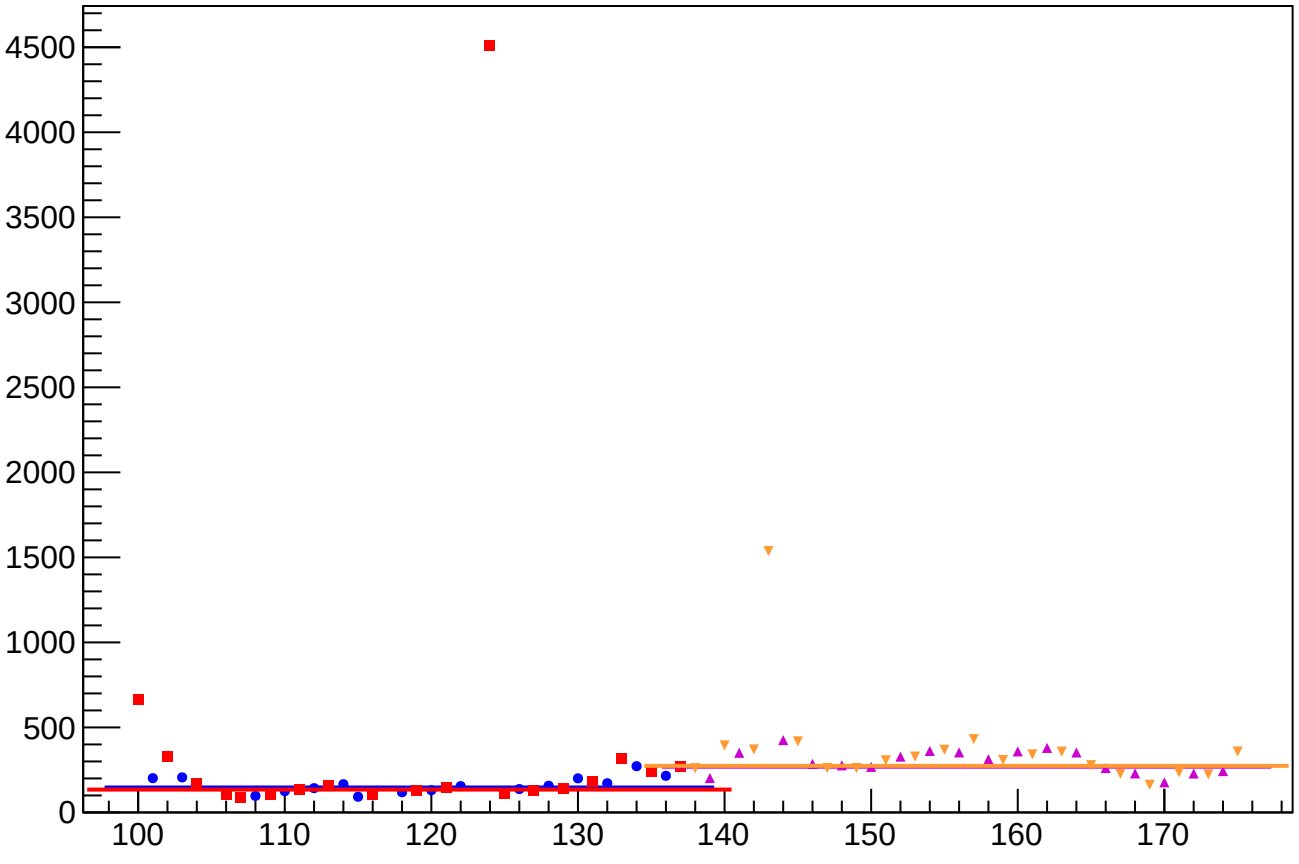
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.016+/-0.031 χ^2/NDF: 79.8/72

- sign 0.009+/-0.044 χ^2/NDF: 46.0/36



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

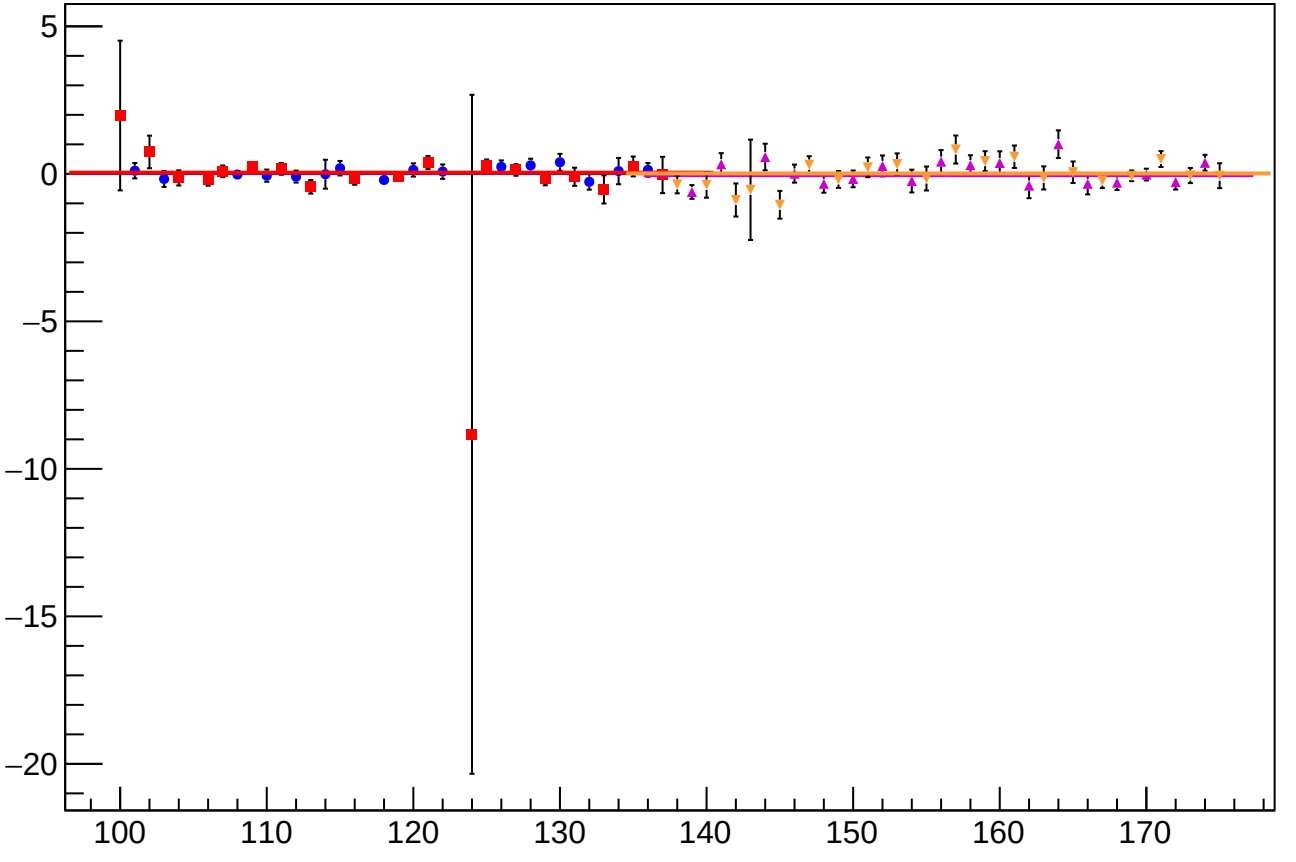
Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

+ sign 195.414+/-0.032 χ^2/NDF: 7803580.4/35

All: 189.106+/-0.022 χ^2/NDF: 15507609.5/72

- sign 183.236+/-0.031 χ^2/NDF: 7629378.7/36

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

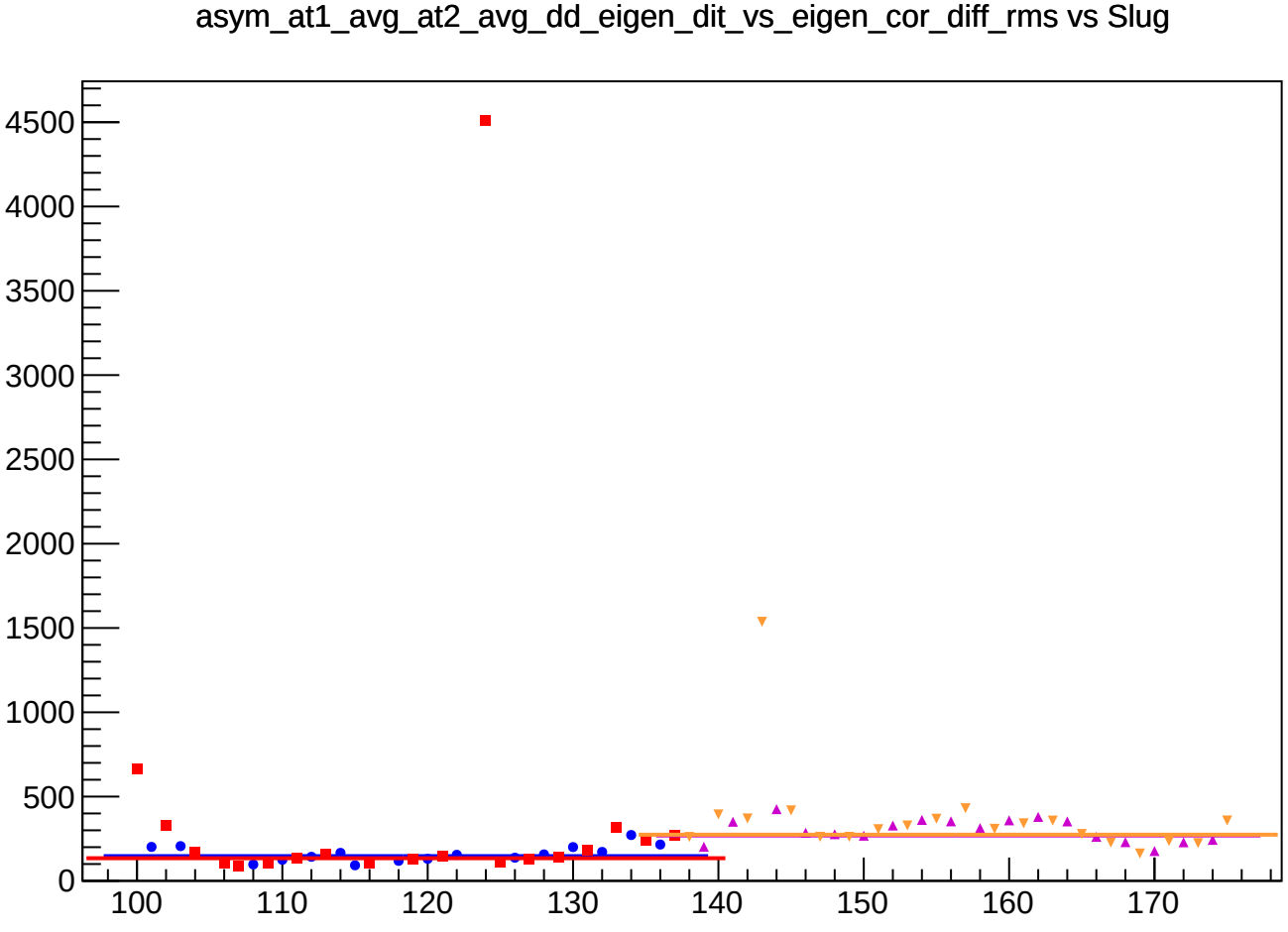
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.016+/-0.031 χ^2/NDF: 79.8/72

- sign 0.009+/-0.044 χ^2/NDF: 46.0/36



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

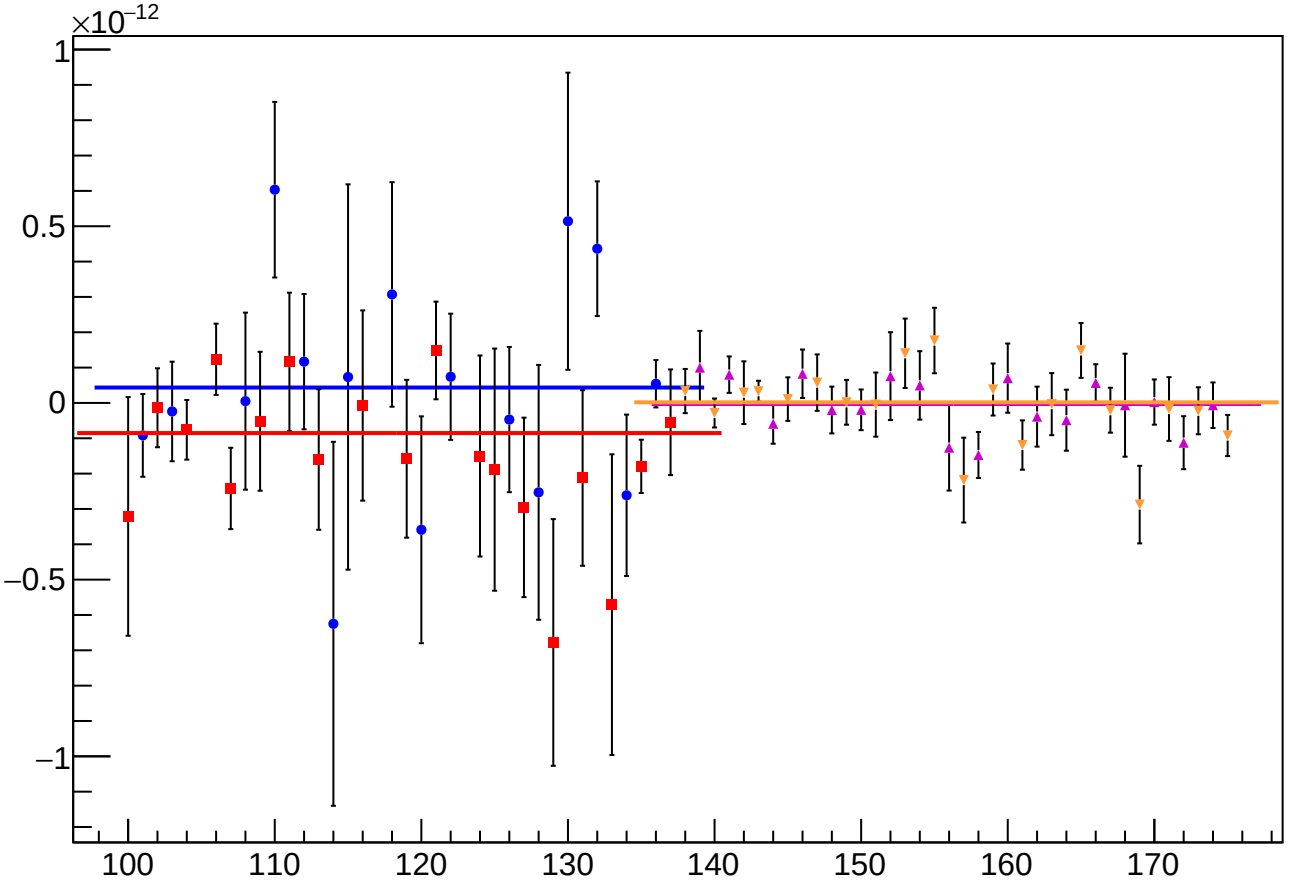
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

+ sign 195.414+/-0.032 χ^2/NDF: 7803580.4/35

All: 189.106+/-0.022 χ^2/NDF: 15507609.5/72

- sign 183.236+/-0.031 χ^2/NDF: 7629378.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/19

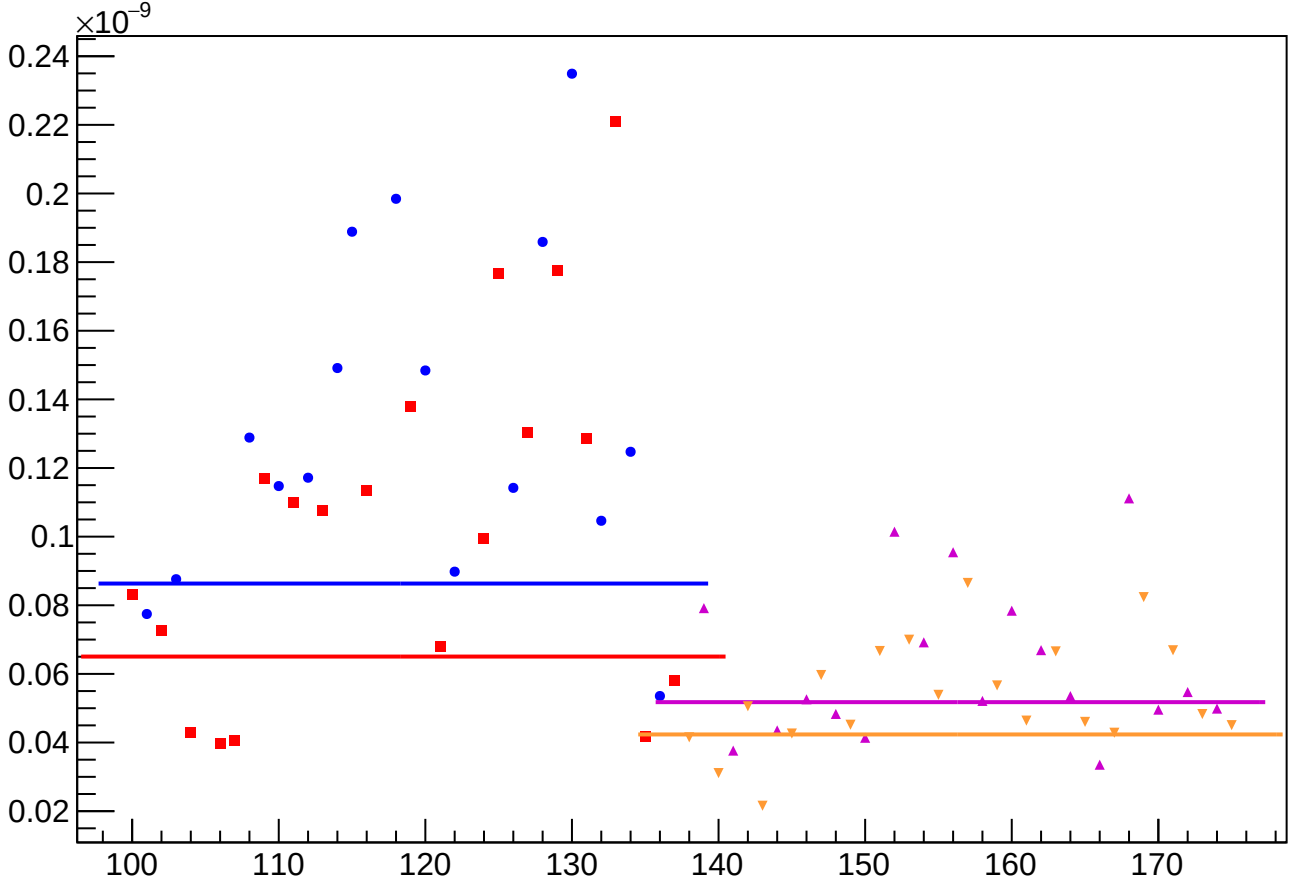
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 48.0/35

All: -0.000+/-0.000 χ^2/NDF: 89.7/72

- sign -0.000+/-0.000 χ^2/NDF: 40.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2525386.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

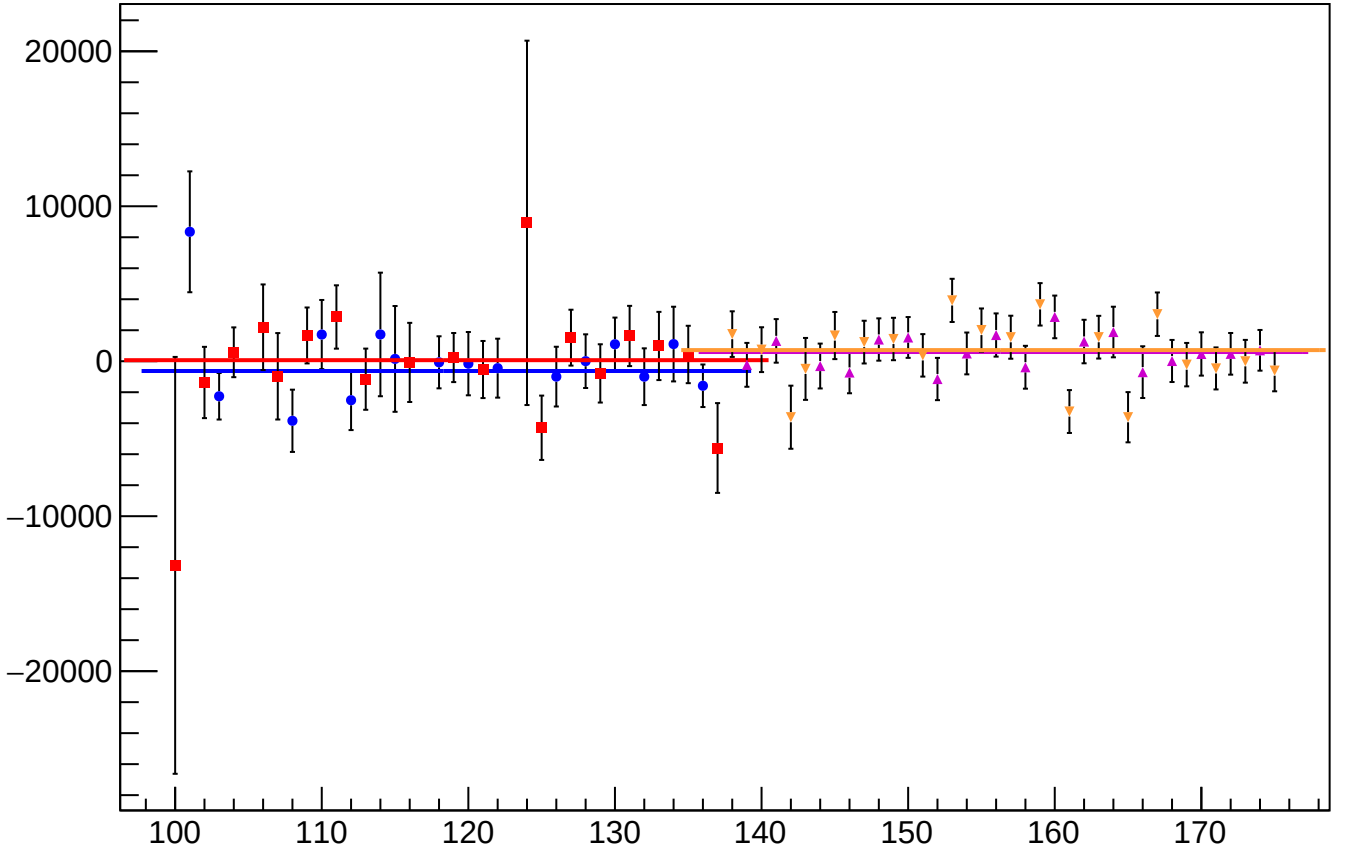
Left In: 0.000+/-0.000 χ^2/NDF:1834286.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 5993964.1/35

All: 0.000+/-0.000 χ^2/NDF: 10504649.2/72

- sign 0.000+/-0.000 χ^2/NDF: 4234532.2/36

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.812+/-322.406 χ^2/NDF:38.3/19

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

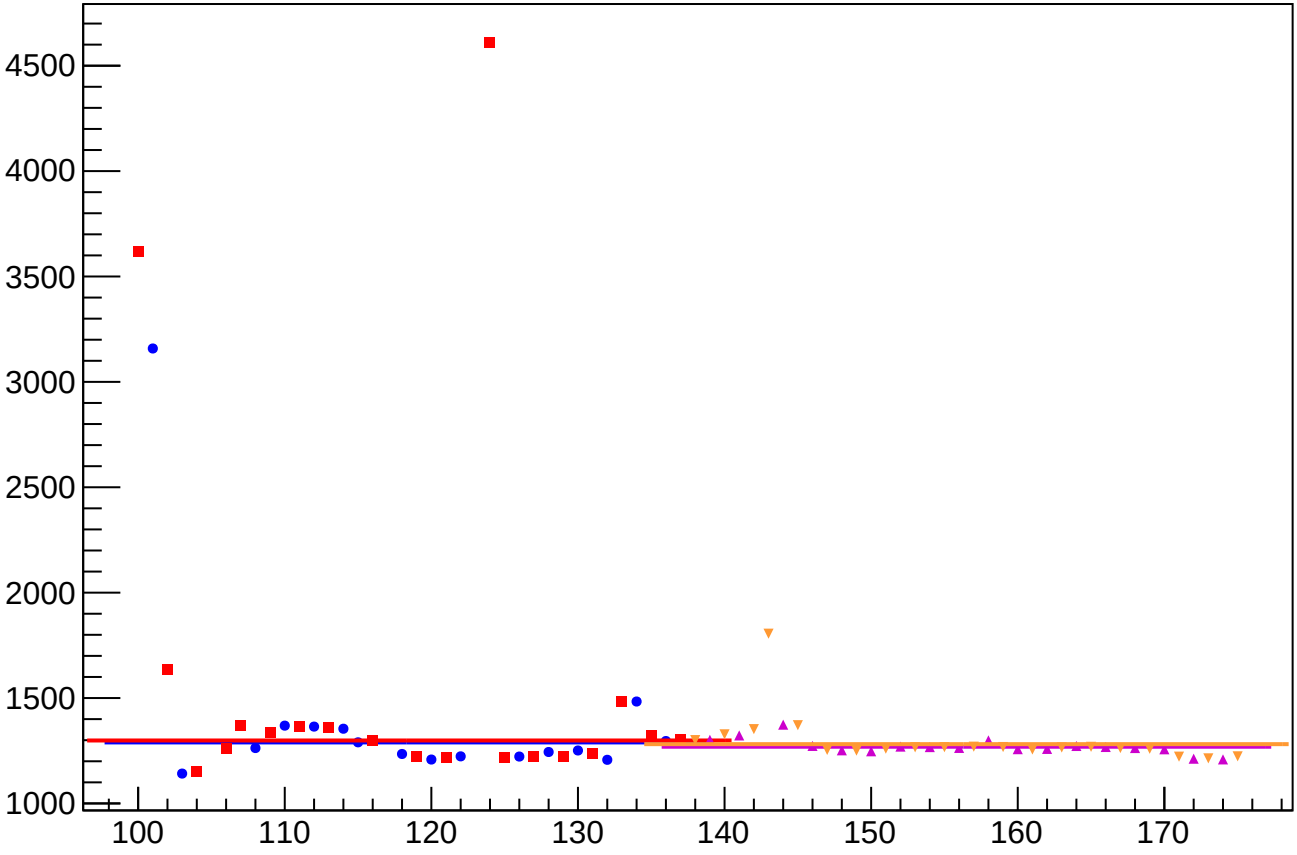
Left In: 594.396+/-329.096 χ^2/NDF:10.0/17

+ sign 308.731+/-269.111 χ^2/NDF: 57.5/35

All: 368.348+/-191.584 χ^2/NDF: 84.3/72

- sign 429.614+/-272.808 χ^2/NDF: 26.6/36

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

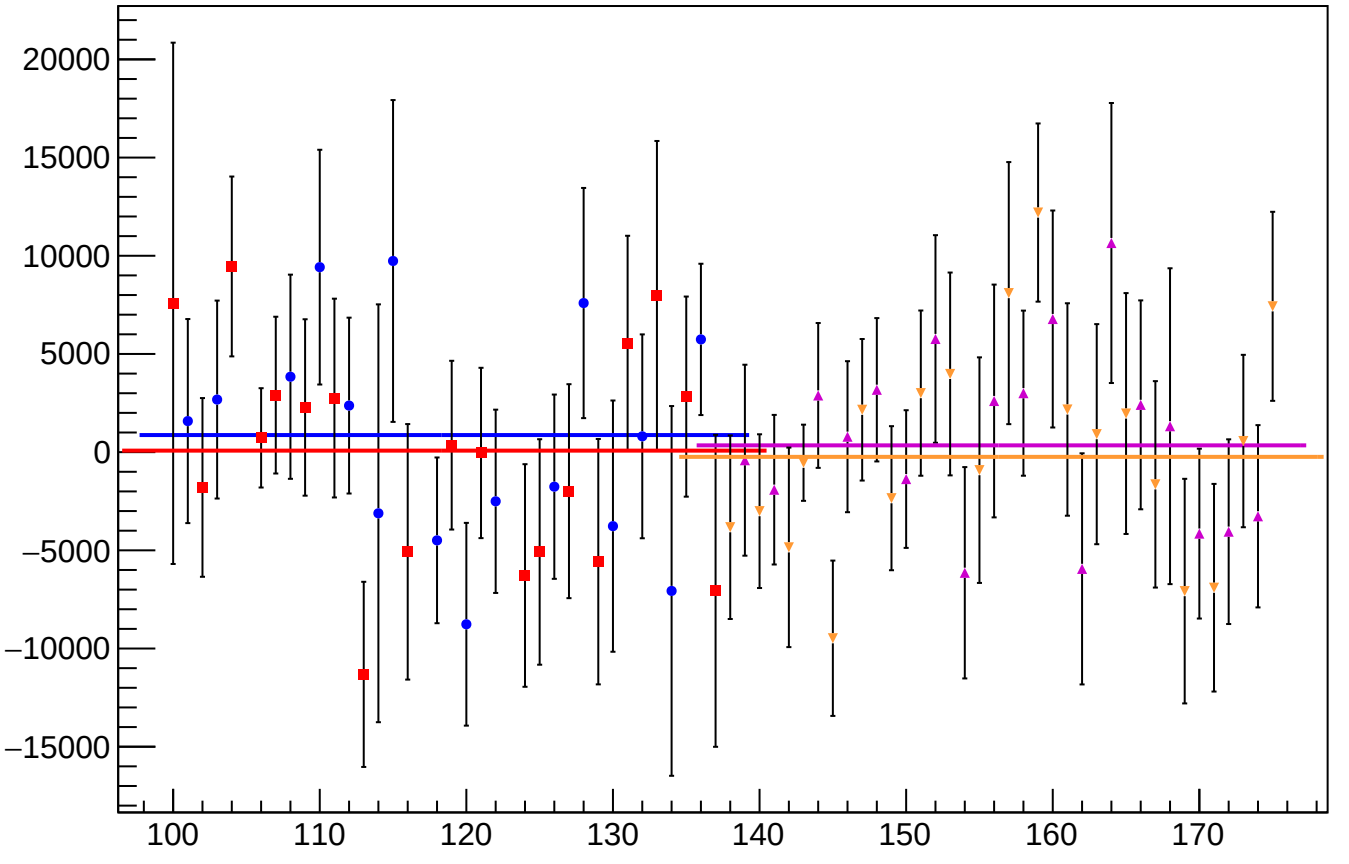
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1283.736+/-0.190 χ^2/NDF: 681837.6/35

All: 1281.076+/-0.135 χ^2/NDF: 1031199.6/72

- sign 1278.348+/-0.193 χ^2/NDF: 348966.3/36



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -240.210+/-946.405 χ^2/NDF:24.5/19

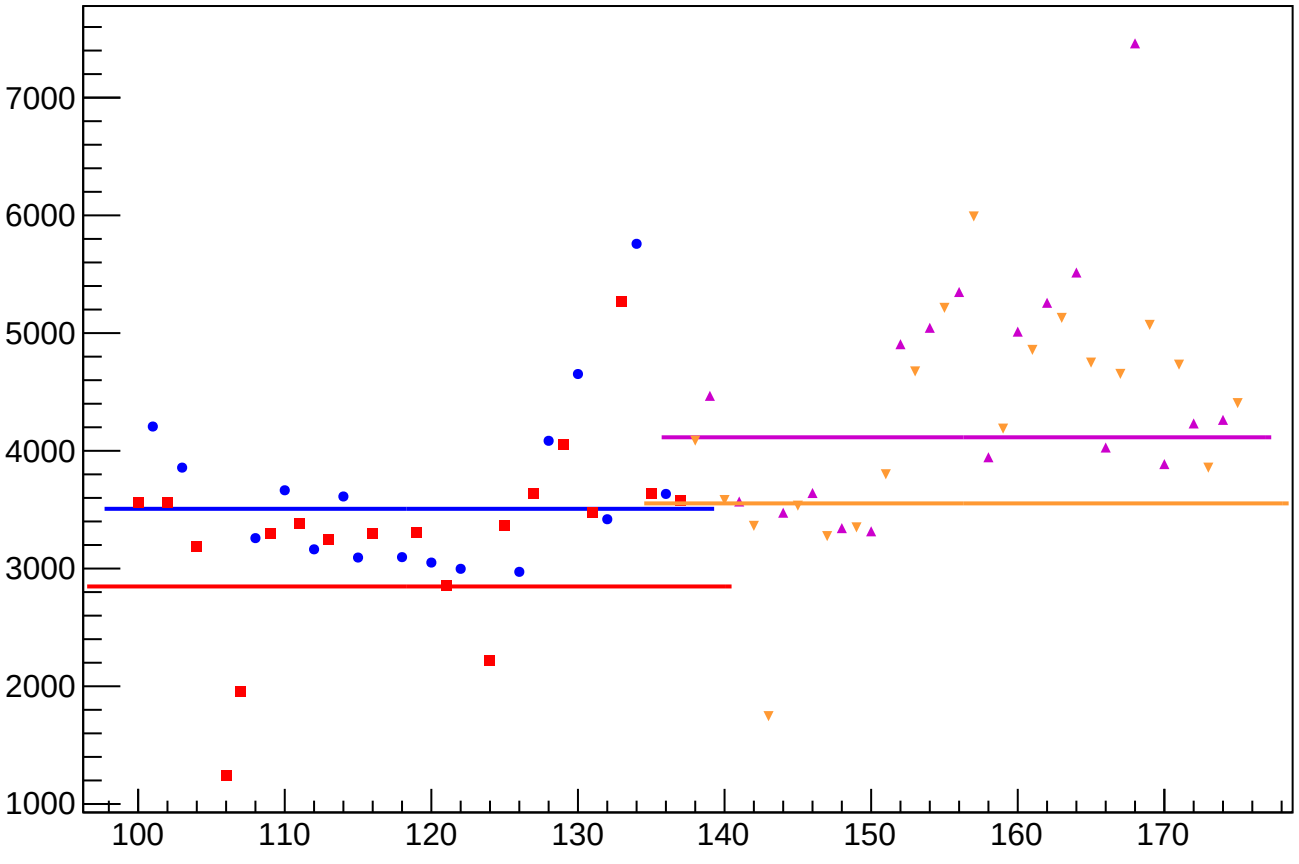
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 345.521+/-1090.150 χ^2/NDF:12.1/17

\+ sign 134.844+/-770.182 χ^2/NDF: 39.0/35

All: 174.000+/-547.395 χ^2/NDF: 69.5/72

\- sign 213.971+/-778.145 χ^2/NDF: 30.5/36



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3553.411+/-0.669 χ^2/NDF:3108258.5/19

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

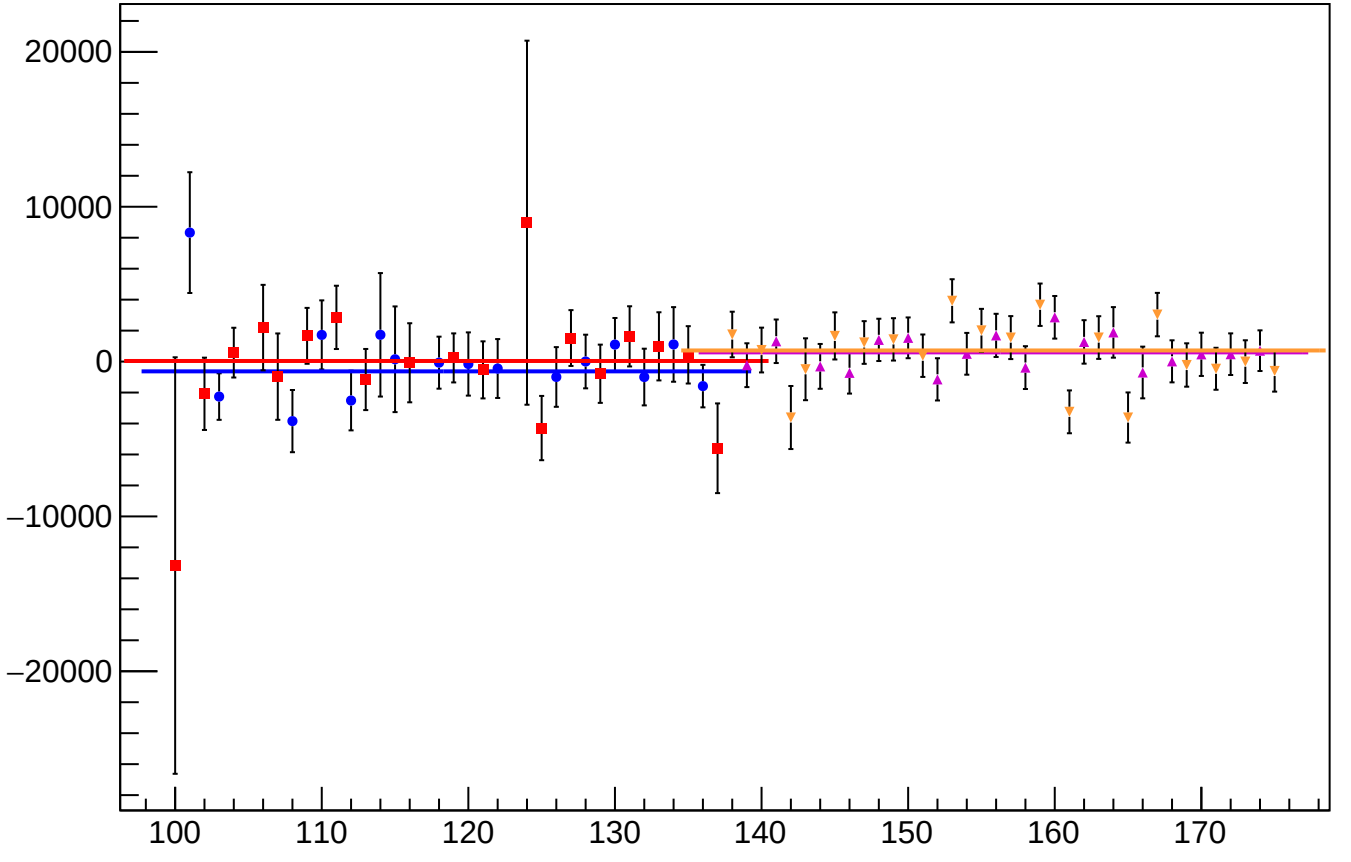
Left In: 4114.916+/-0.771 χ^2/NDF:1090708.1/17

+ sign 3537.871+/-0.545 χ^2/NDF: 3463834.3/35

All: 3515.873+/-0.387 χ^2/NDF: 7382478.3/72

- sign 3493.418+/-0.550 χ^2/NDF: 3915347.0/36

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

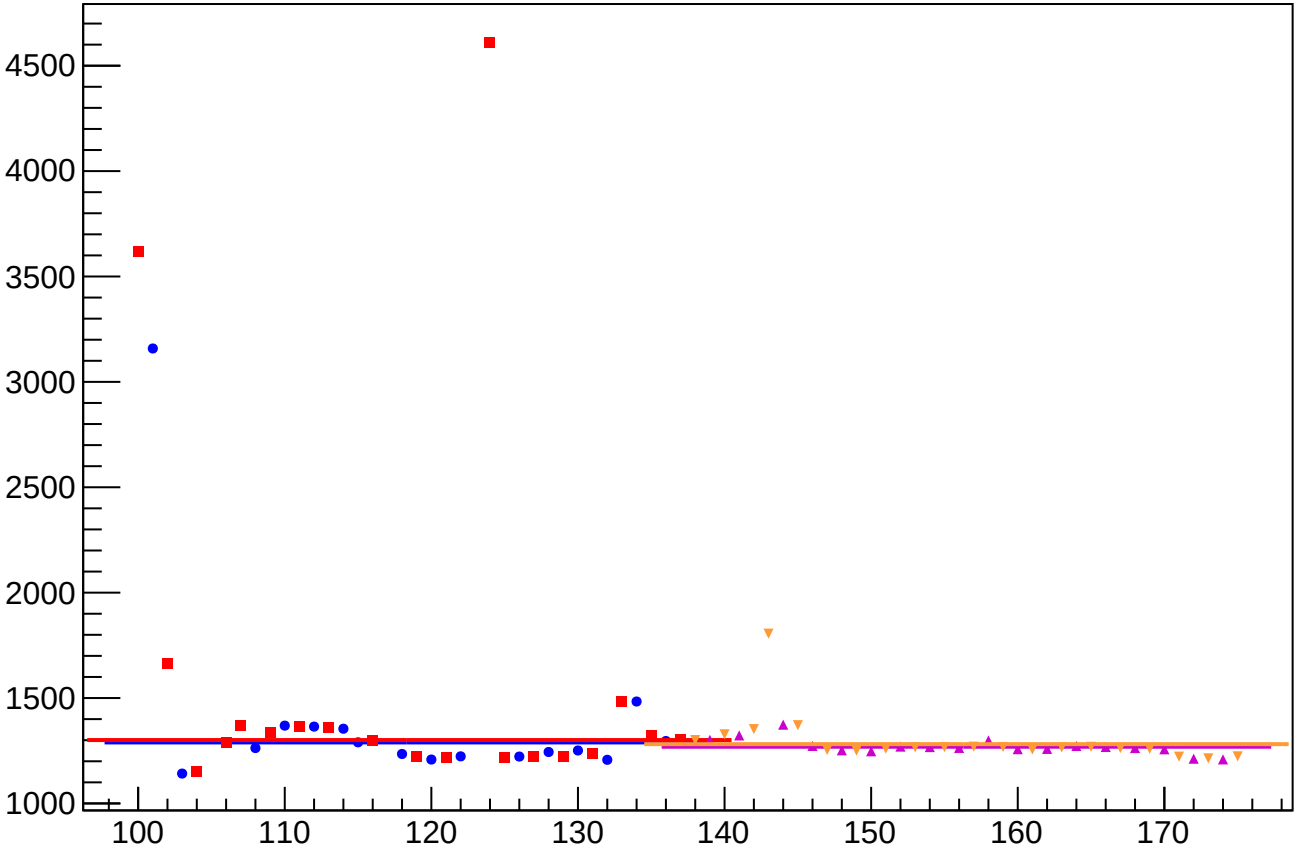
Left In: 594.340+/-329.096 χ^2/NDF:10.0/17

\+ sign 308.627+/-269.111 χ^2/NDF: 57.5/35

All: 363.866+/-191.604 χ^2/NDF: 84.8/72

\- sign 420.657+/-272.864 χ^2/NDF: 27.2/36

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

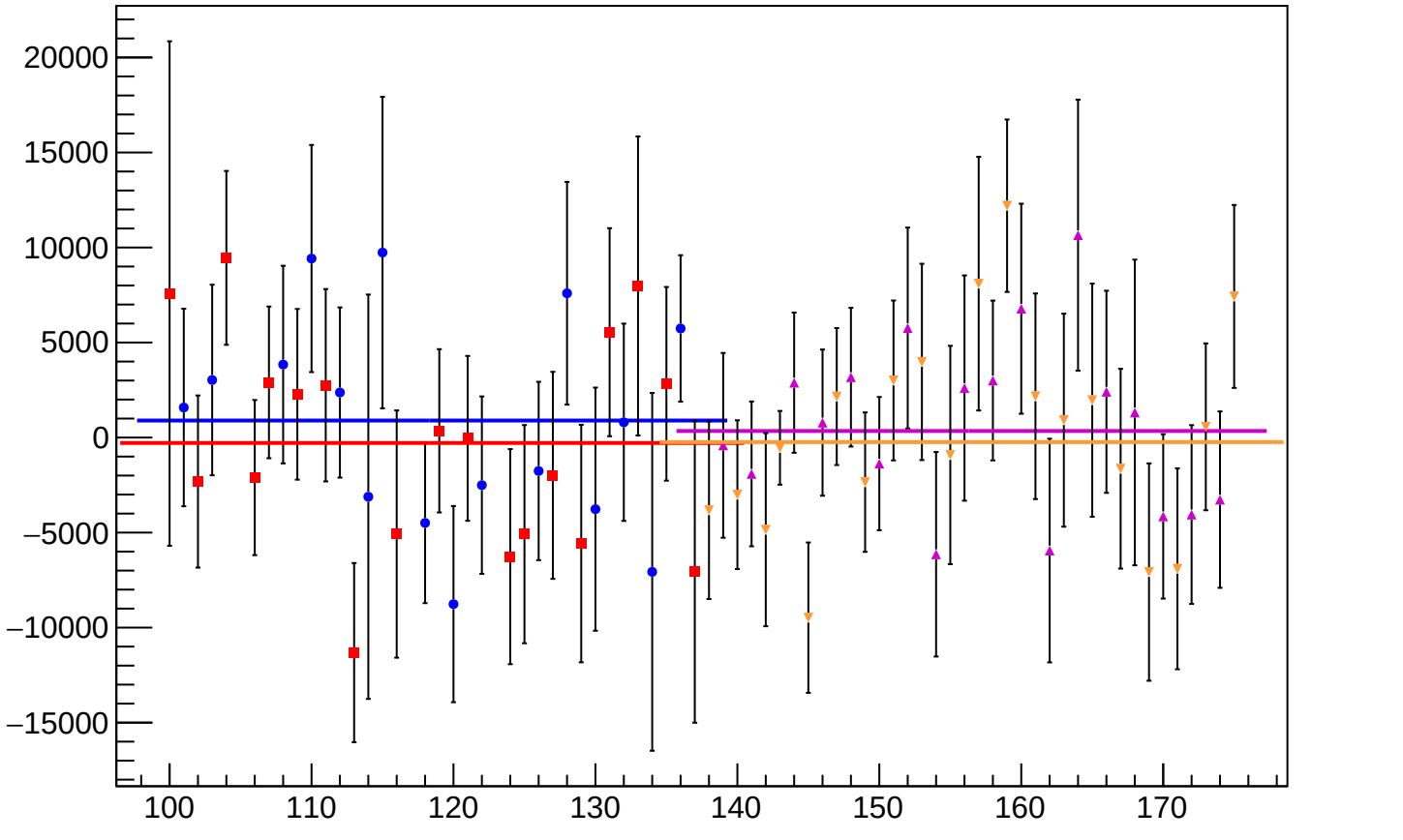
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1283.736+/-0.190 χ^2/NDF: 681839.1/35

All: 1281.382+/-0.135 χ^2/NDF: 1038356.9/72

- sign 1278.965+/-0.193 χ^2/NDF: 356207.8/36



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -240.144+/-946.403 χ^2/NDF:24.5/19

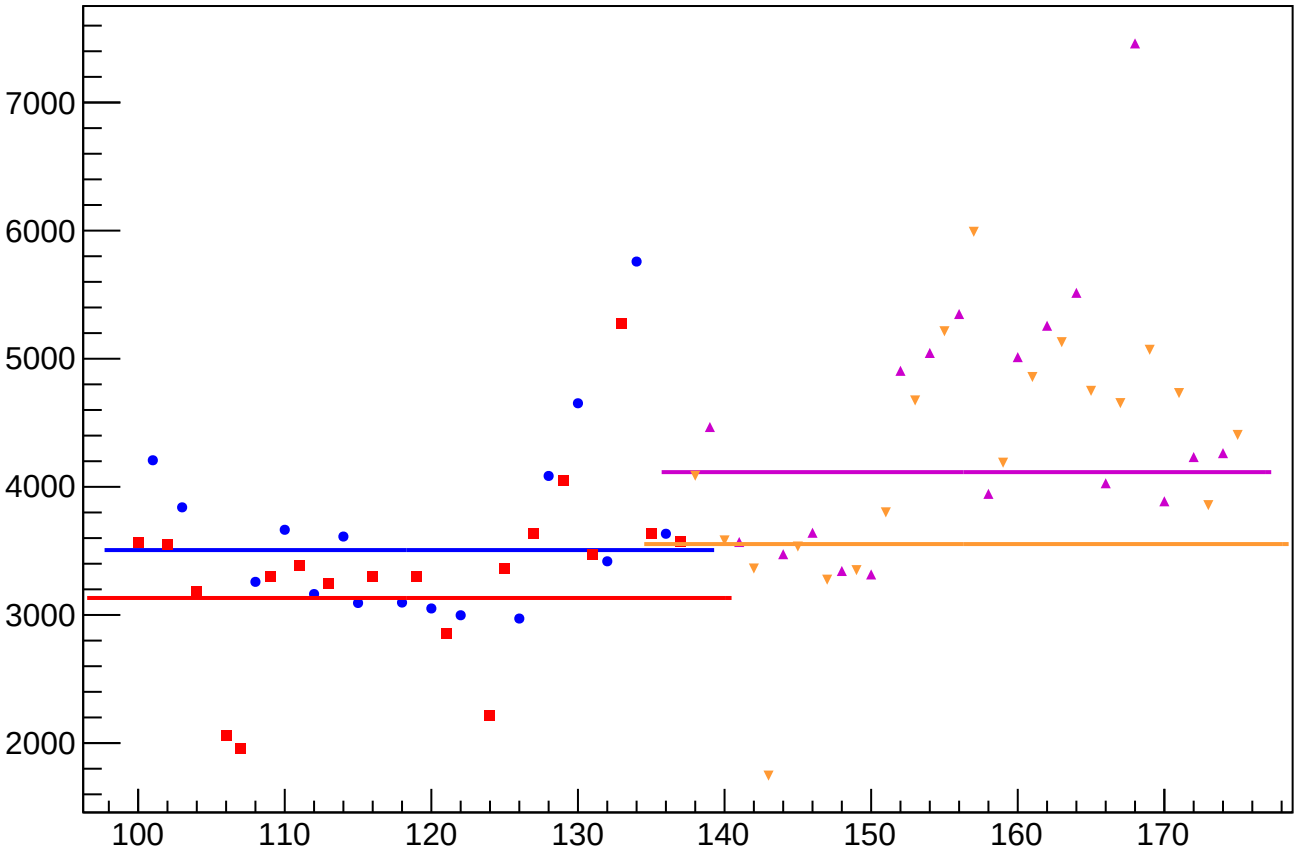
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 345.521+/-1090.149 χ^2/NDF:12.1/17

+ sign 143.749+/-770.092 χ^2/NDF: 39.1/35

All: 101.877+/-555.383 χ^2/NDF: 70.0/72

- sign 56.494+/-801.723 χ^2/NDF: 30.8/36



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

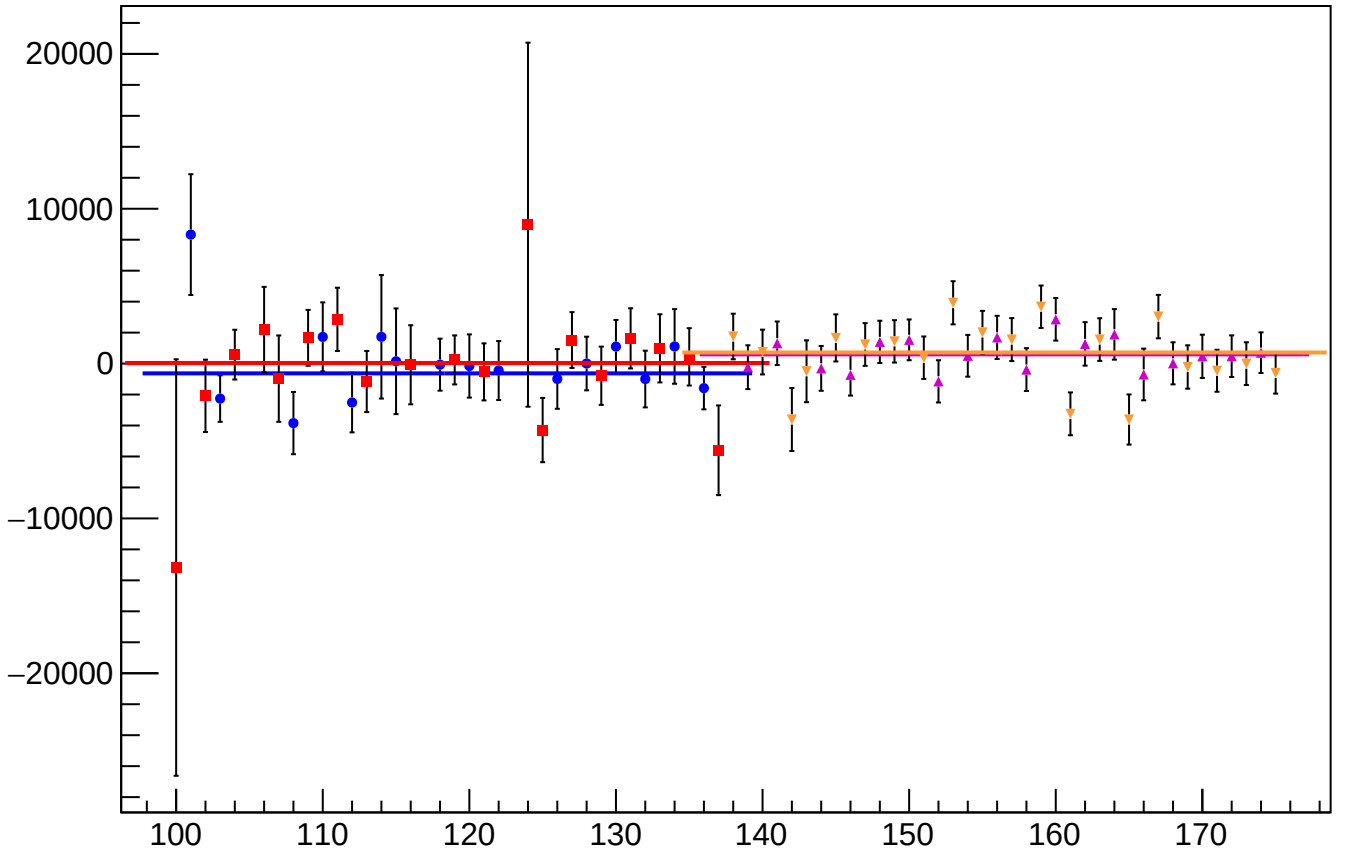
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

+ sign 3537.549+/-0.545 χ^2/NDF: 3463190.0/35

All: 3598.173+/-0.393 χ^2/NDF: 5974967.6/72

- sign 3663.878+/-0.567 χ^2/NDF: 2485950.0/36



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

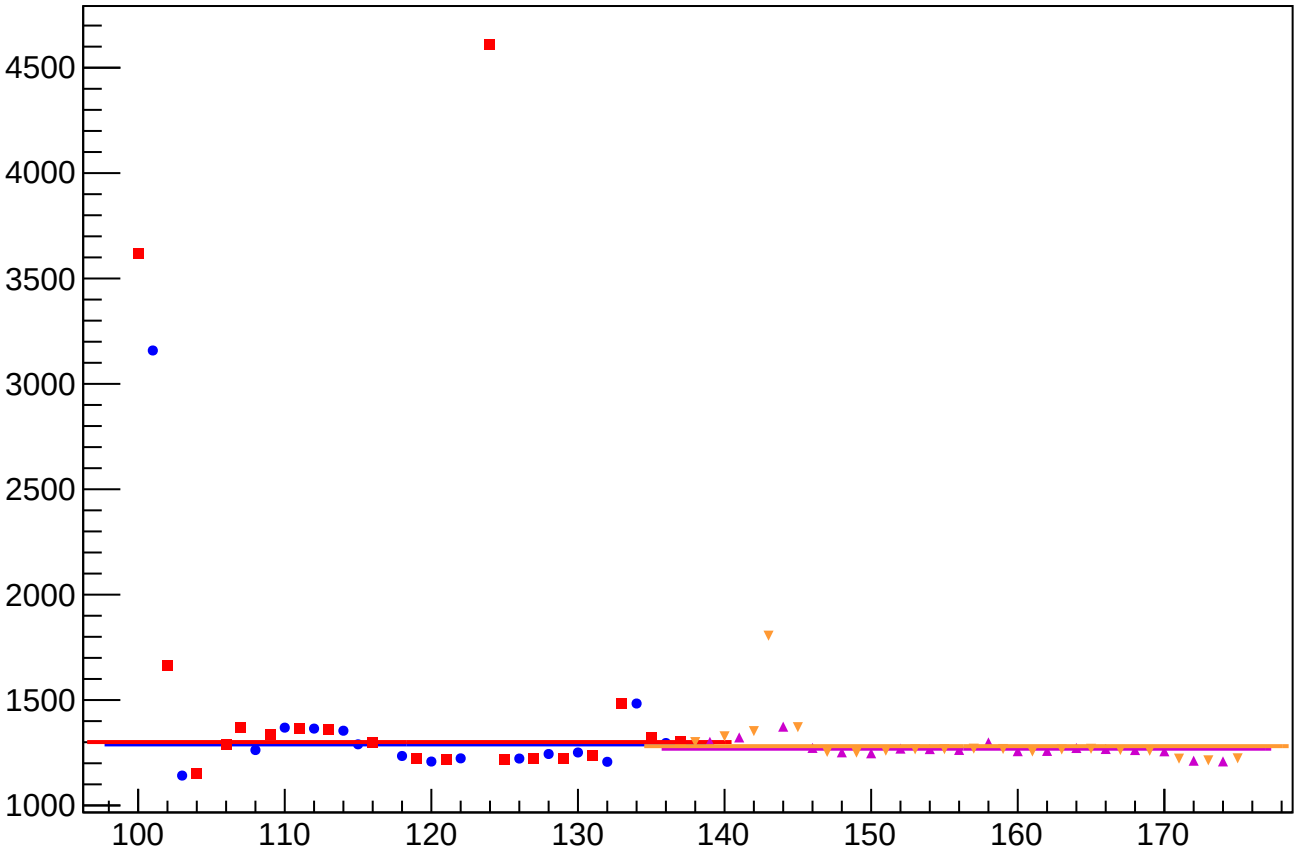
Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 594.340+/-329.096 χ^2/NDF:10.0/17

\+ sign 308.627+/-269.111 χ^2/NDF: 57.5/35

All: 363.866+/-191.604 χ^2/NDF: 84.8/72

\- sign 420.657+/-272.864 χ^2/NDF: 27.2/36



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

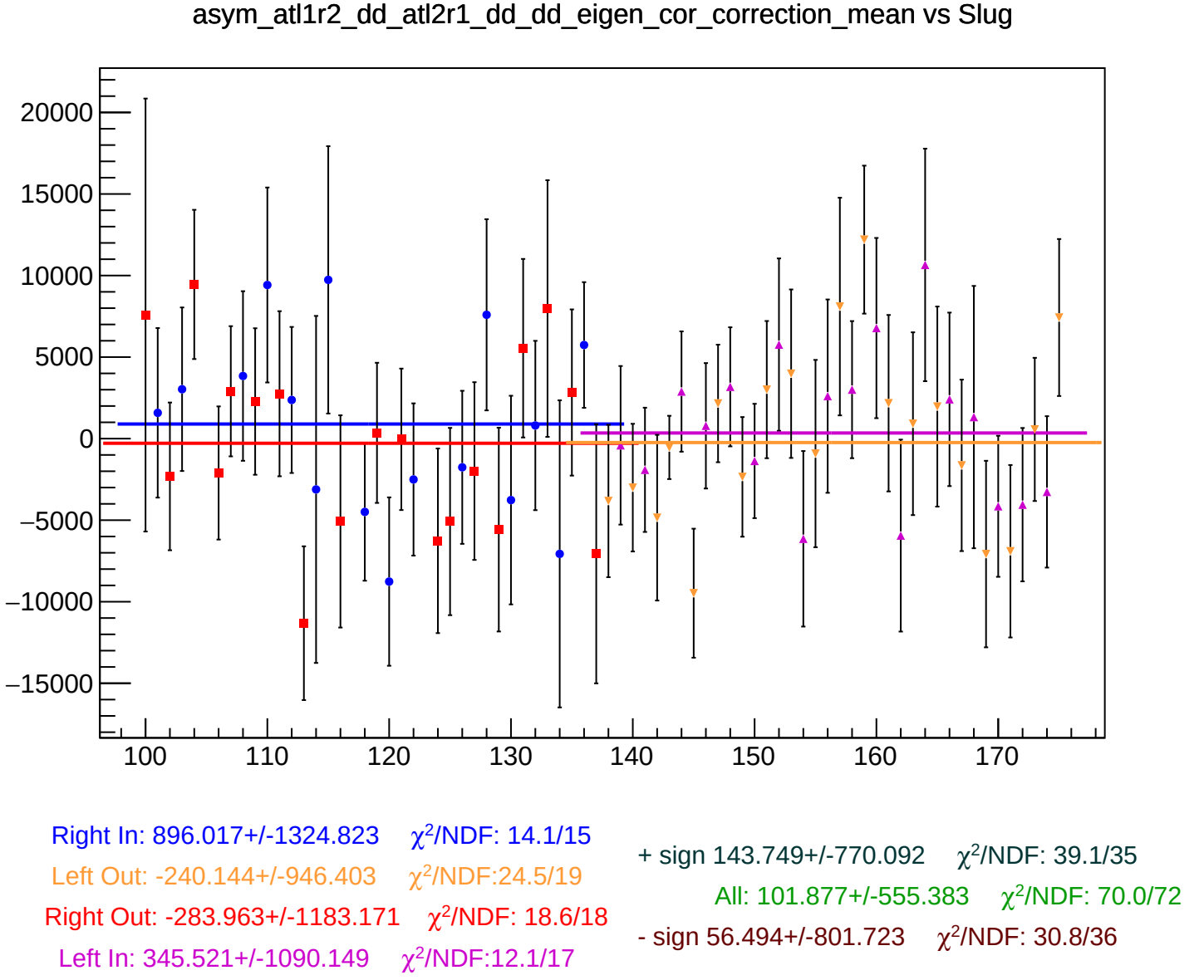
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

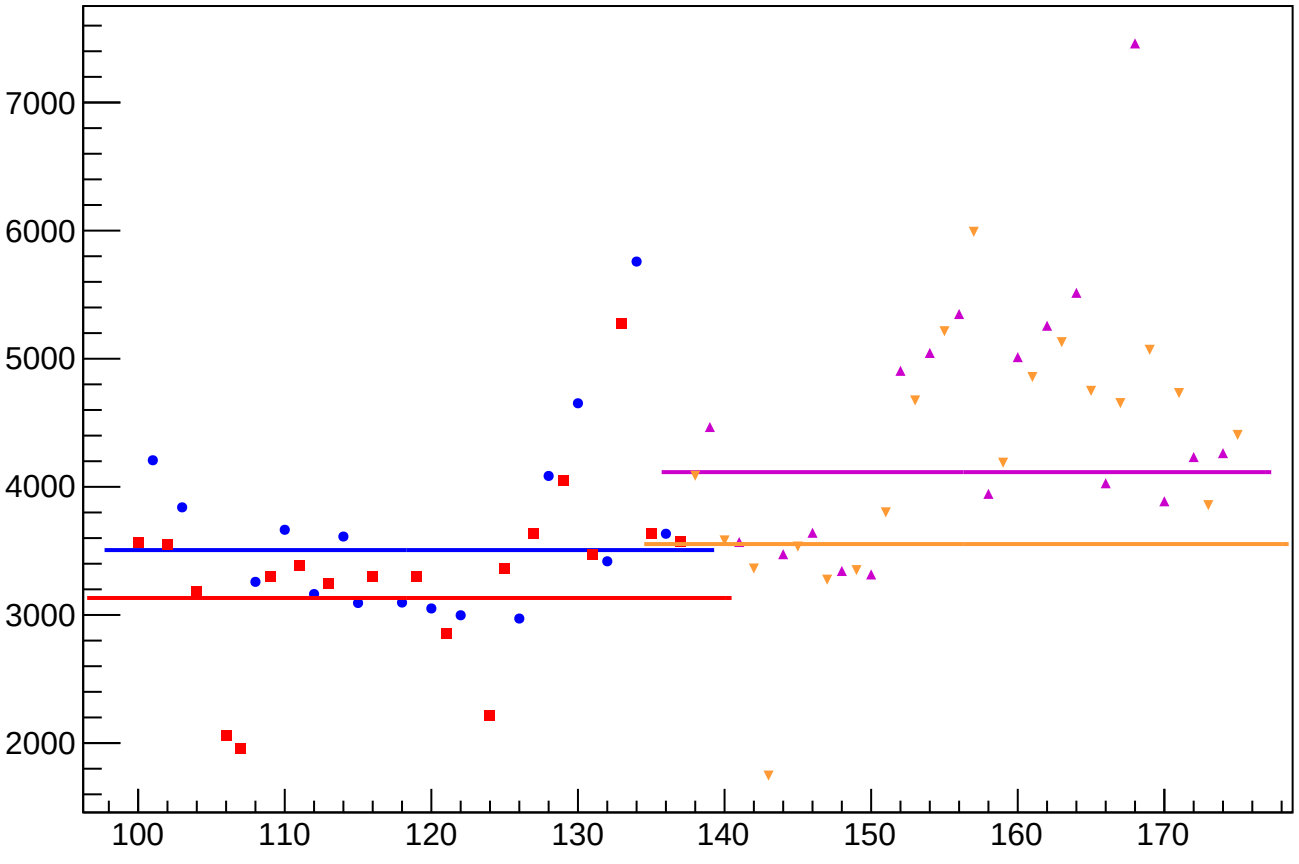
Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1283.736+/-0.190 χ^2/NDF: 681839.1/35

All: 1281.382+/-0.135 χ^2/NDF: 1038356.9/72

- sign 1278.965+/-0.193 χ^2/NDF: 356207.8/36


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -240.144+/-946.403 χ²/NDF:24.5/19
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 345.521+/-1090.149 χ²/NDF:12.1/17
+ sign 143.749+/-770.092 χ²/NDF: 39.1/35
All: 101.877+/-555.383 χ²/NDF: 70.0/72
- sign 56.494+/-801.723 χ²/NDF: 30.8/36



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

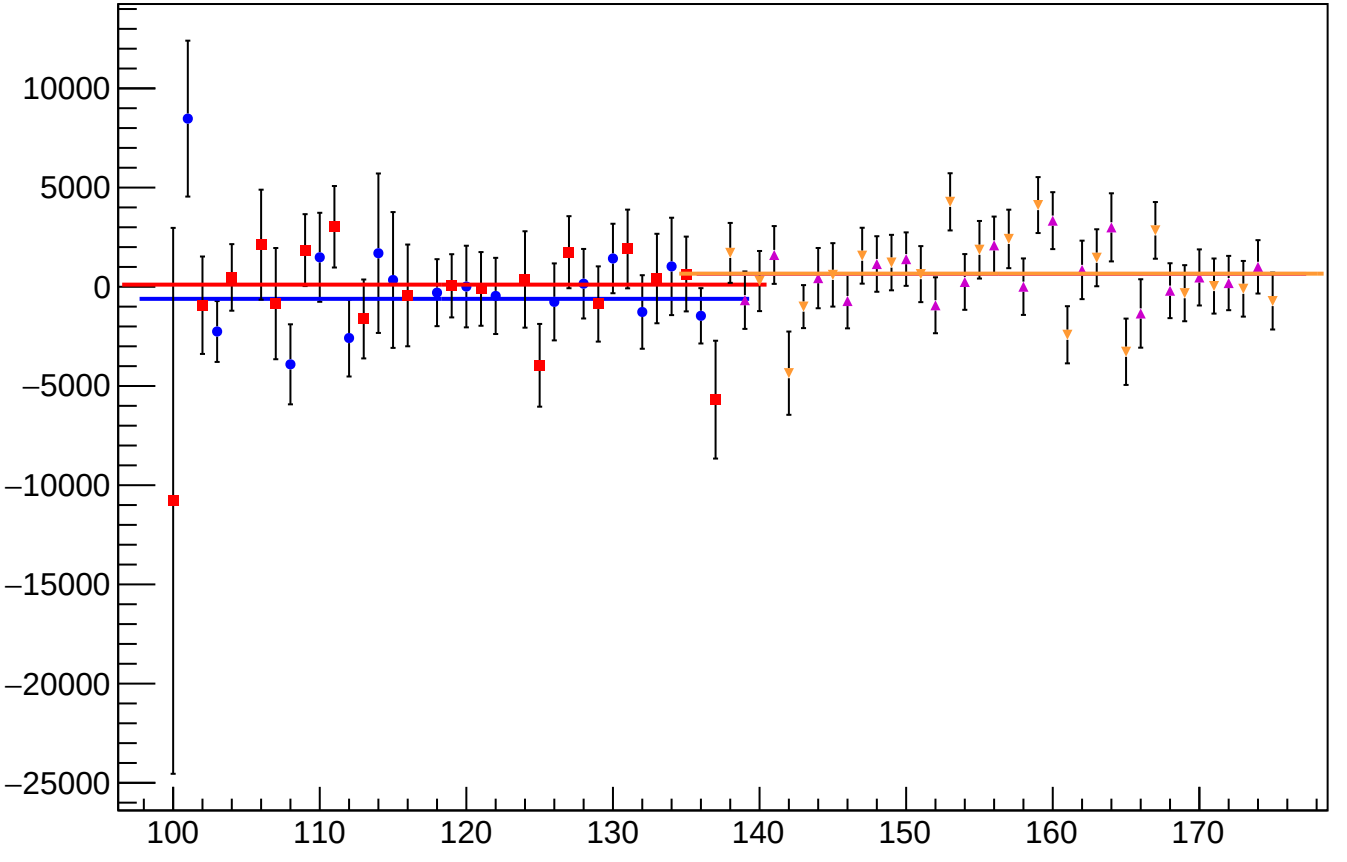
Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

+ sign 3537.549+/-0.545 χ^2/NDF: 3463190.0/35

All: 3598.173+/-0.393 χ^2/NDF: 5974967.6/72

- sign 3663.878+/-0.567 χ^2/NDF: 2485950.0/36

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.416+/-322.595 χ^2/NDF:38.3/19

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

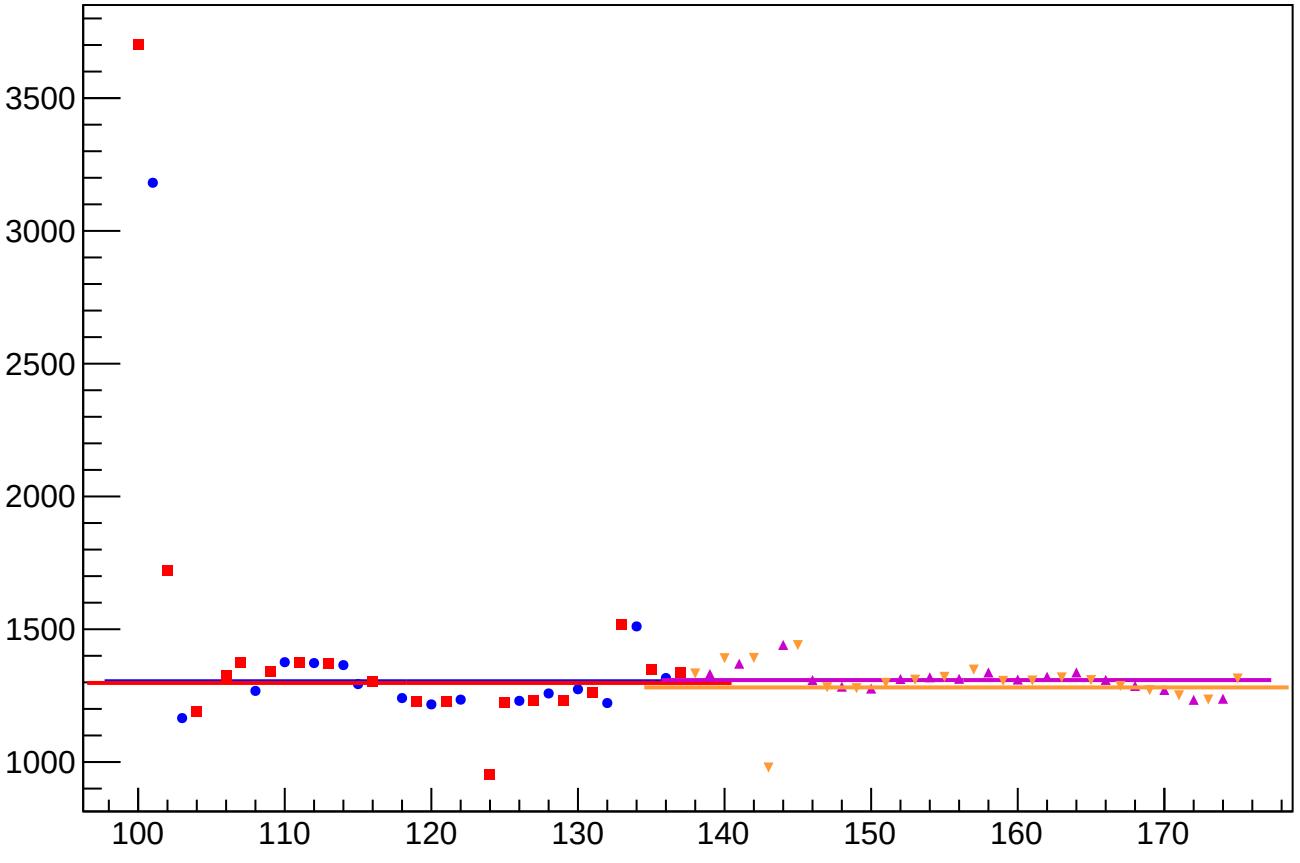
Left In: 647.406+/-339.439 χ^2/NDF:12.5/17

+ sign 282.163+/-270.134 χ^2/NDF: 57.0/35

All: 373.577+/-193.802 χ^2/NDF: 85.5/72

- sign 470.533+/-278.200 χ^2/NDF: 28.2/36

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207501.3/19

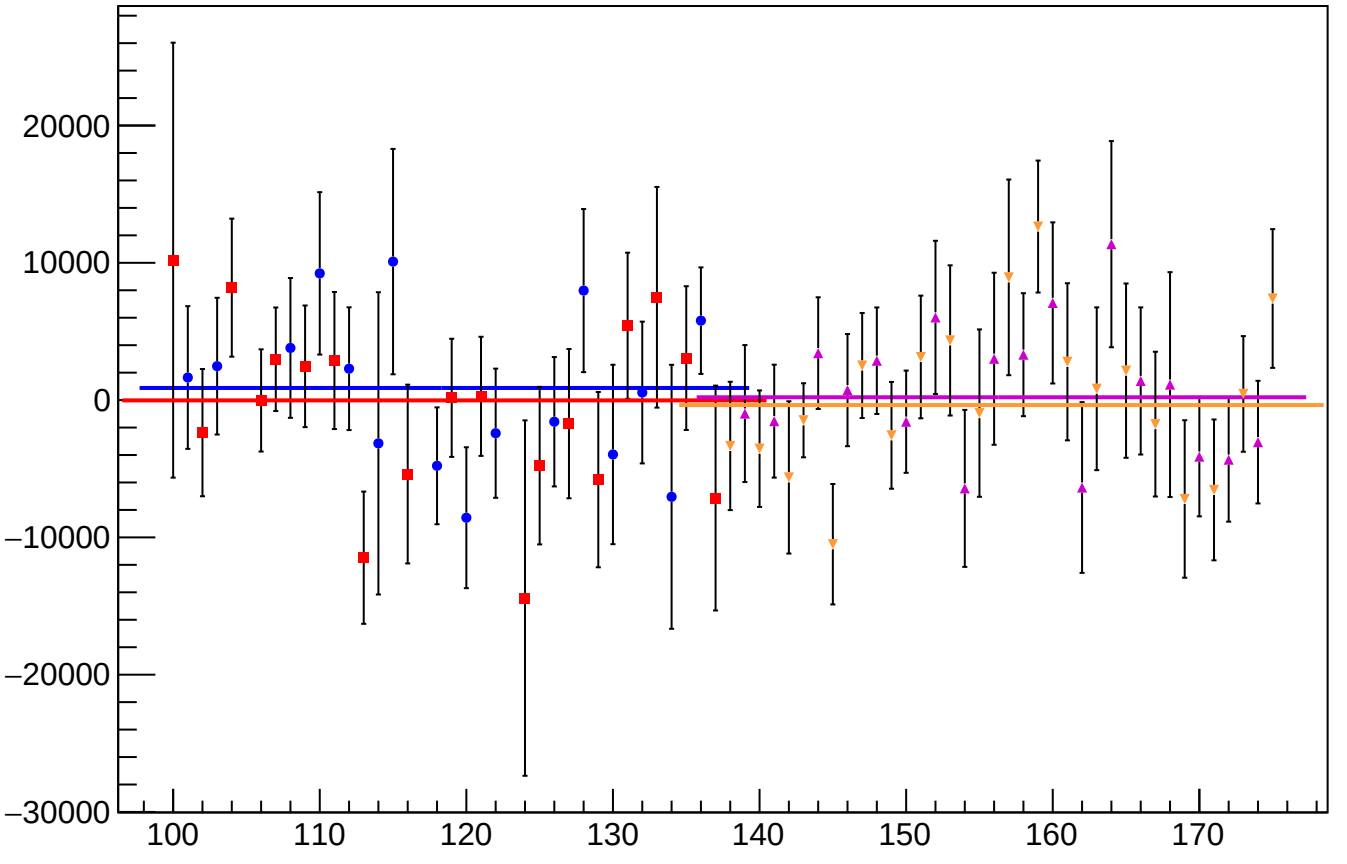
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1308.584+/-0.240 χ^2/NDF:35969.6/17

+ sign 1287.885+/-0.191 χ^2/NDF: 721162.3/35

All: 1296.212+/-0.137 χ^2/NDF: 974807.4/72

- sign 1305.039+/-0.197 χ^2/NDF: 249730.3/36



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -361.243+/-1045.588 χ^2/NDF:24.5/19

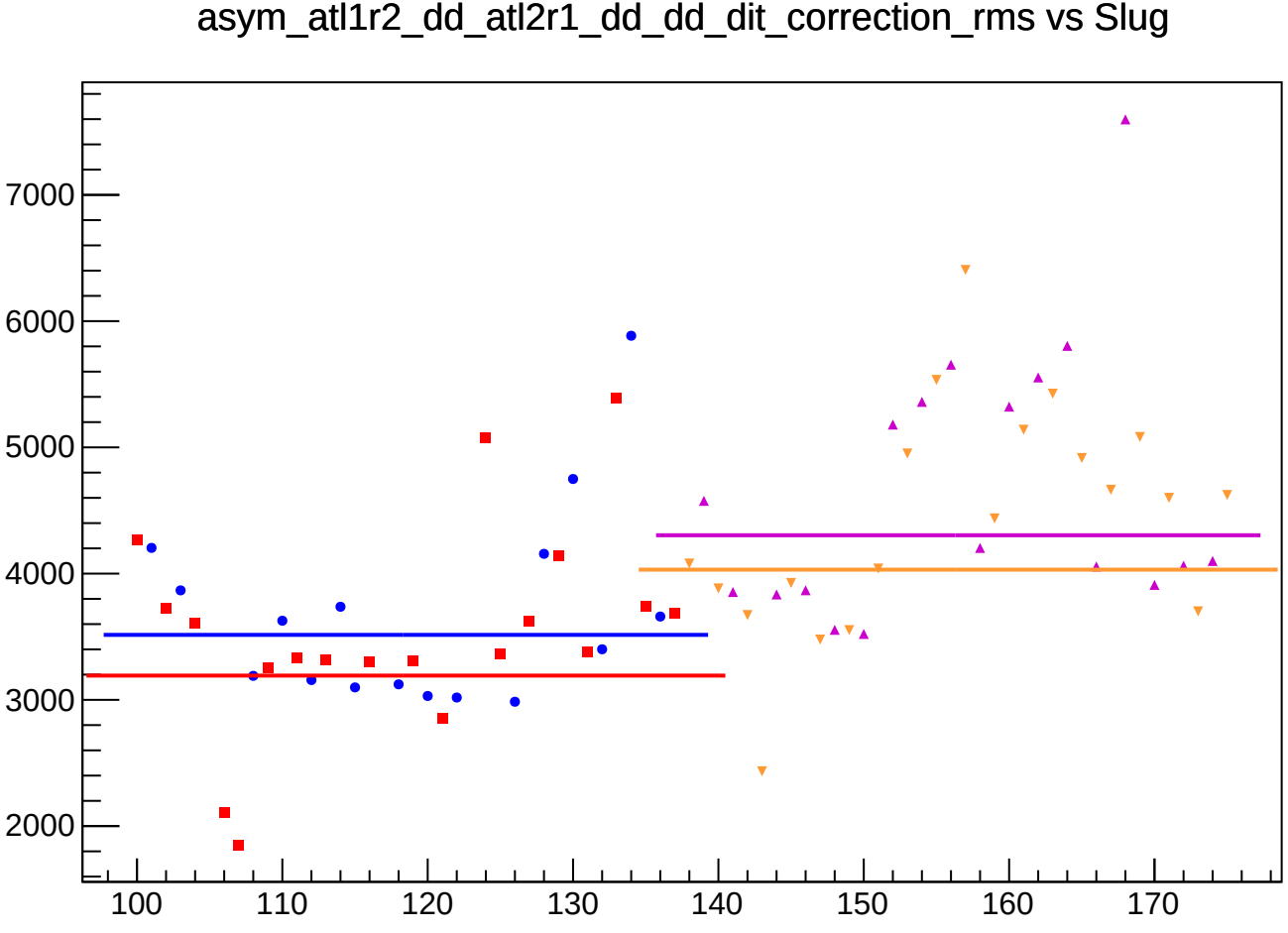
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 206.543+/-1139.188 χ^2/NDF:12.0/17

\+ sign 115.575+/-821.373 χ^2/NDF: 39.2/35

All: 107.254+/-582.496 χ^2/NDF: 68.0/72

\- sign 98.836+/-826.194 χ^2/NDF: 28.8/36



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4031.441+/-0.739 χ^2/NDF:1584886.0/19

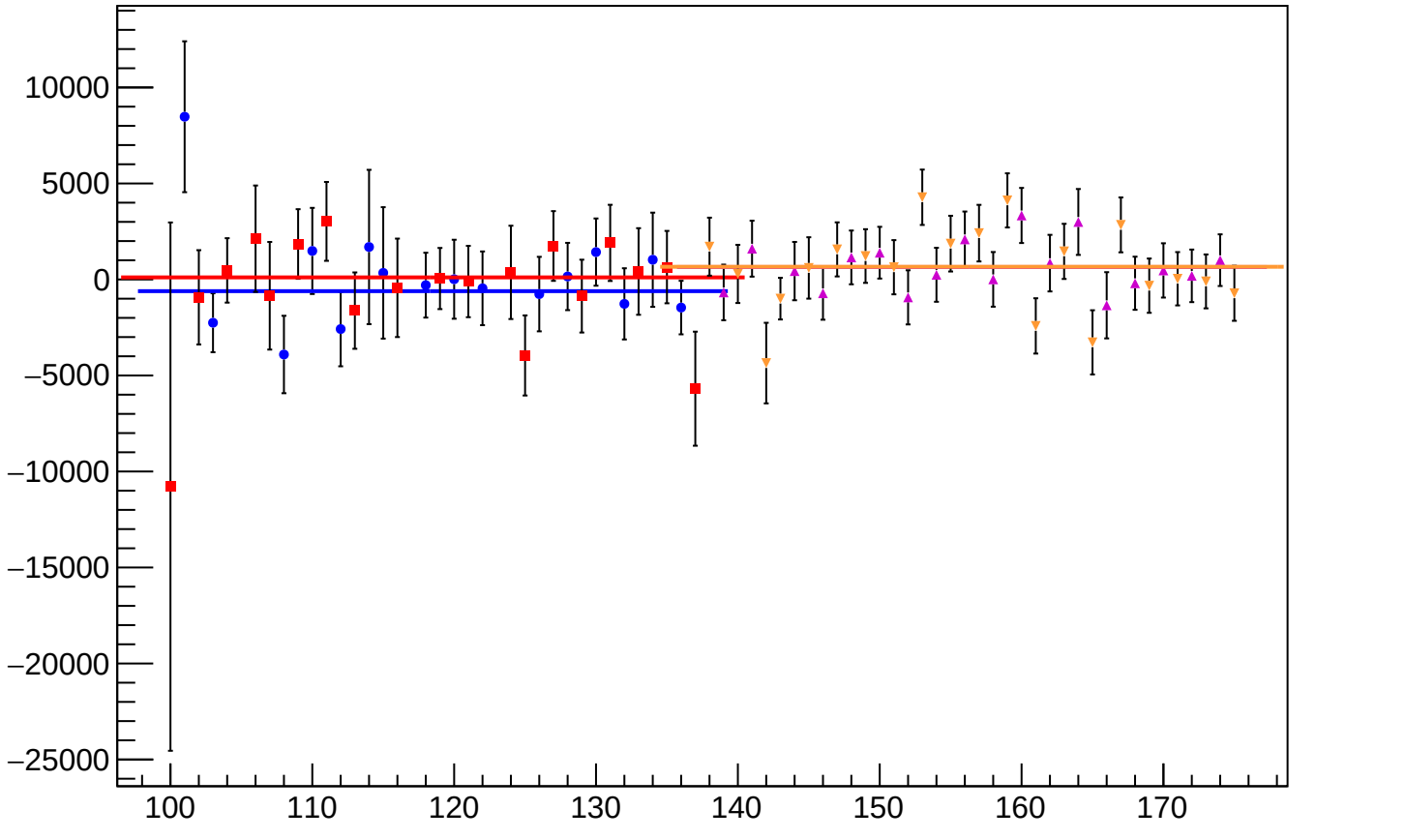
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4303.858+/-0.806 χ^2/NDF:1028472.8/17

\+ sign 3833.602+/-0.581 χ^2/NDF: 2146971.3/35

All: 3805.426+/-0.412 χ^2/NDF: 4855430.0/72

\- sign 3776.918+/-0.584 χ^2/NDF: 2703723.9/36



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.419+/-322.596 χ^2/NDF:38.3/19

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

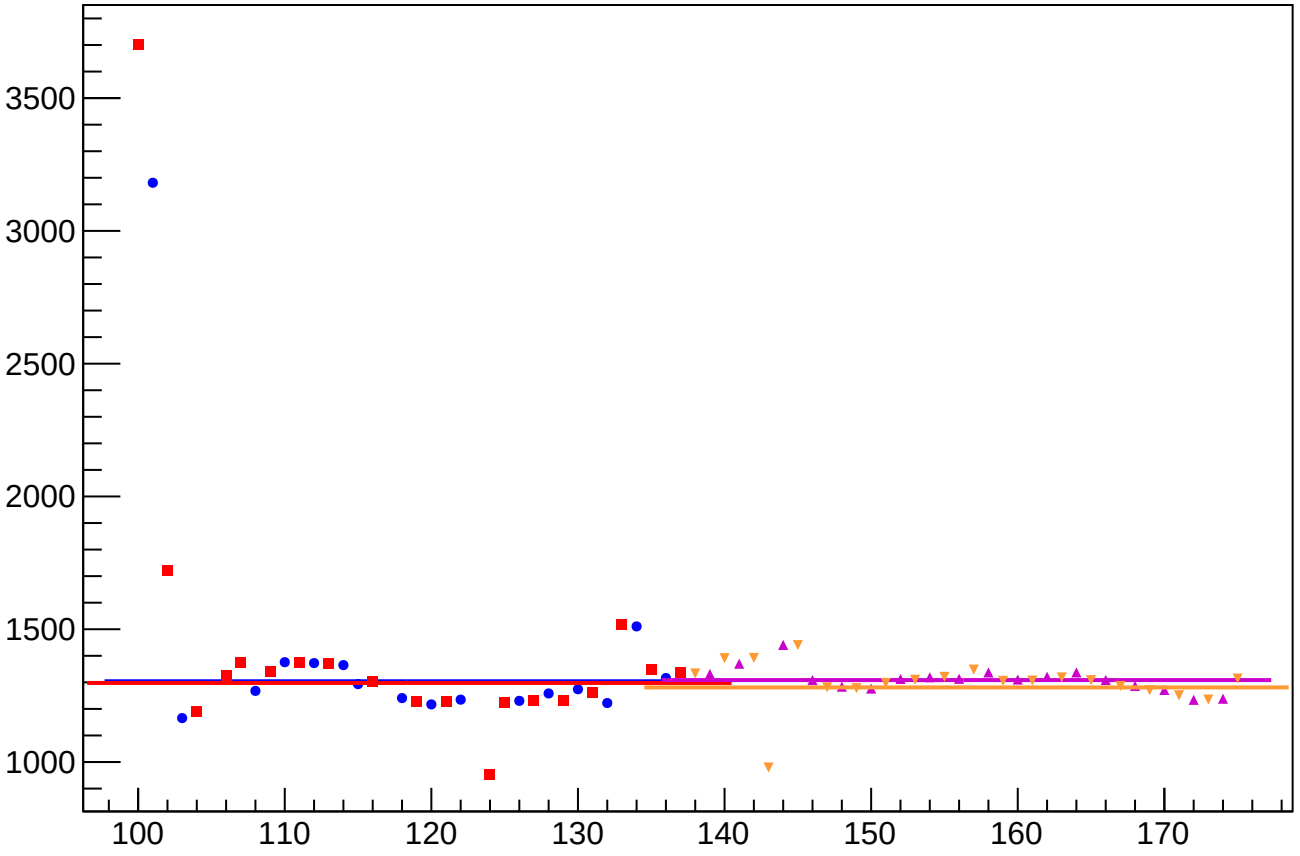
Left In: 647.407+/-339.439 χ^2/NDF:12.5/17

+ sign 282.163+/-270.134 χ^2/NDF: 57.0/35

All: 373.579+/-193.802 χ^2/NDF: 85.5/72

- sign 470.535+/-278.200 χ^2/NDF: 28.2/36

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207502.5/19

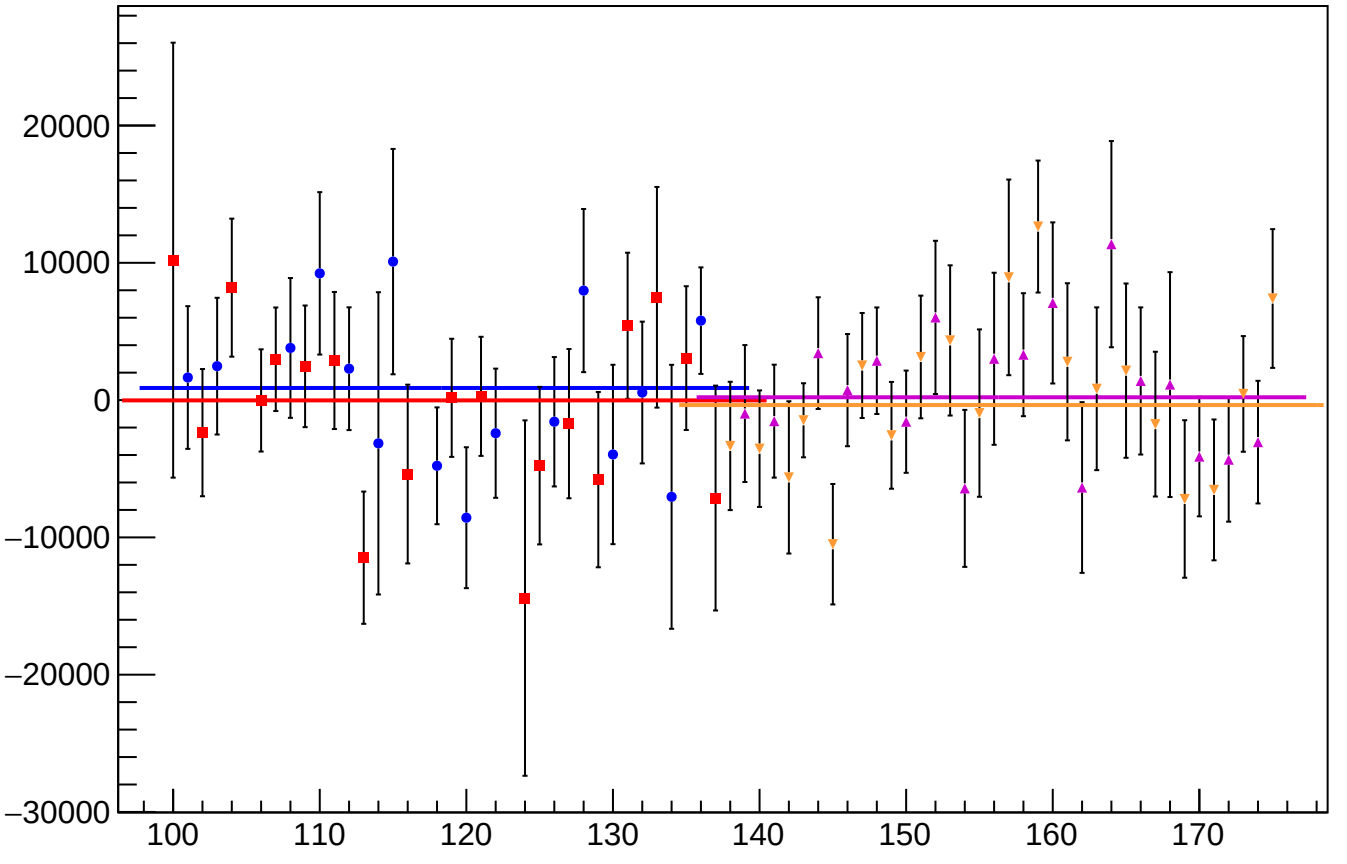
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1308.585+/-0.240 χ^2/NDF:35970.7/17

+ sign 1287.886+/-0.191 χ^2/NDF: 721163.4/35

All: 1296.212+/-0.137 χ^2/NDF: 974809.8/72

- sign 1305.040+/-0.197 χ^2/NDF: 249731.6/36



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -361.241+/-1045.589 χ^2/NDF:24.5/19

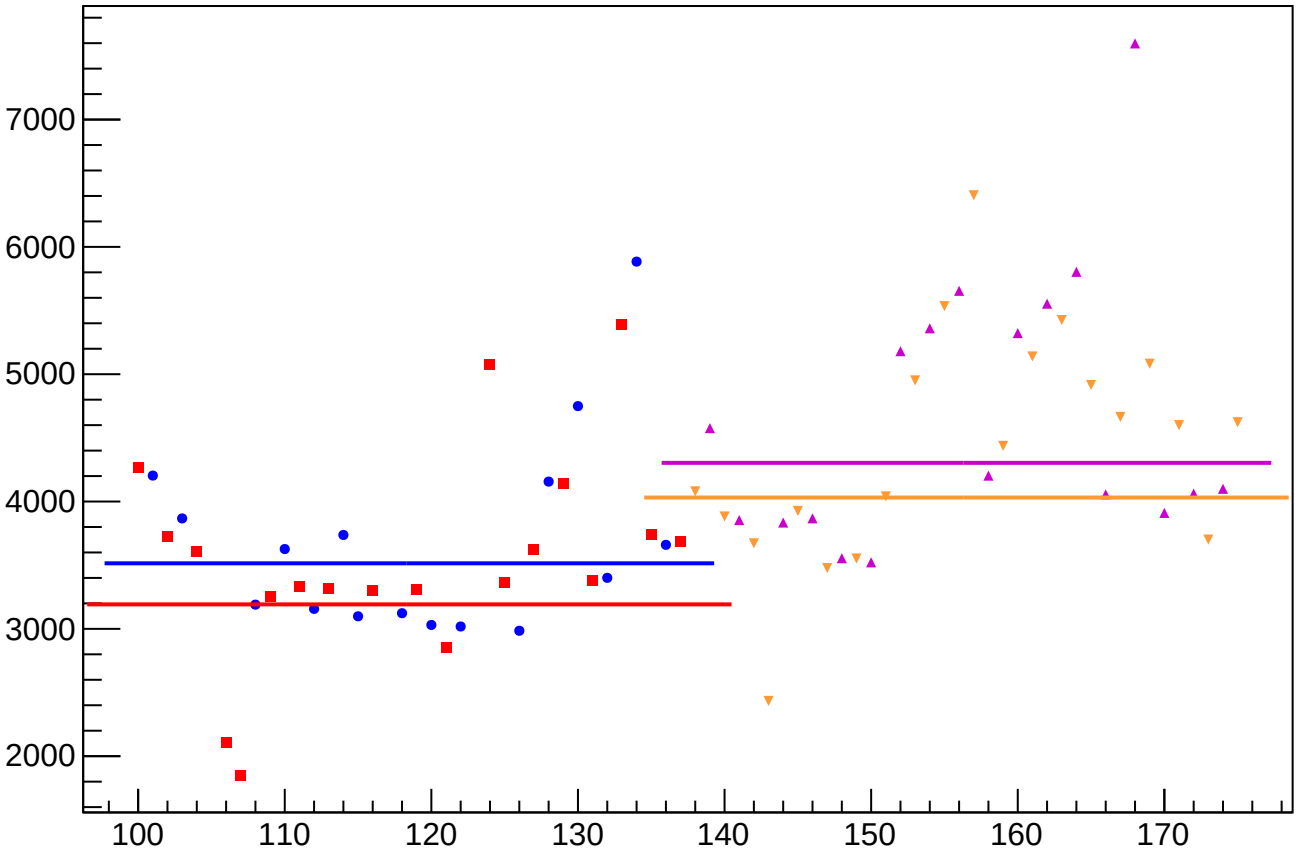
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 206.542+/-1139.189 χ^2/NDF:12.0/17

\+ sign 115.574+/-821.373 χ^2/NDF: 39.2/35

All: 107.255+/-582.496 χ^2/NDF: 68.0/72

\- sign 98.837+/-826.194 χ^2/NDF: 28.8/36



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4031.448+/-0.739 χ^2/NDF:1584887.1/19

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

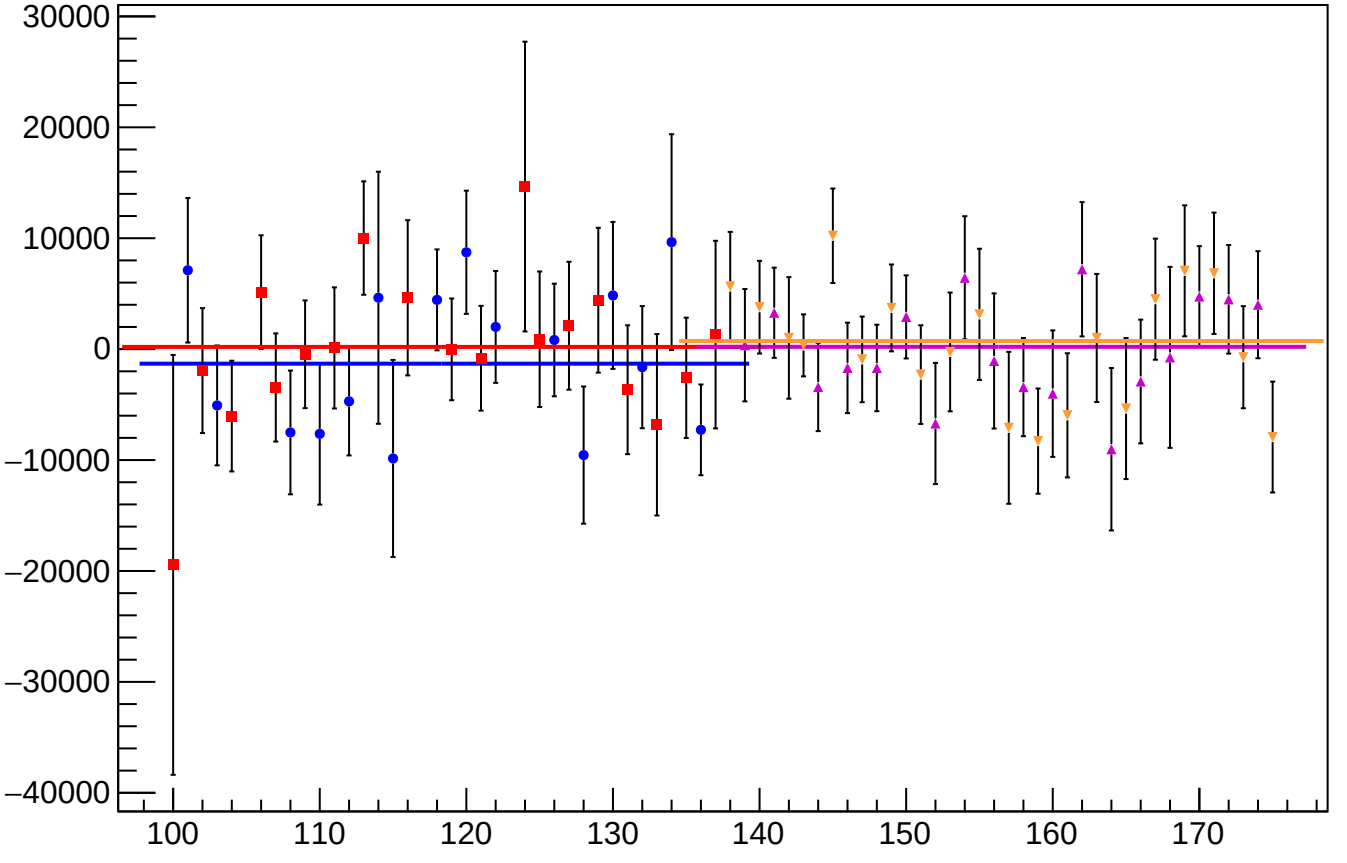
Left In: 4303.864+/-0.806 χ^2/NDF:1028474.8/17

+ sign 3833.601+/-0.581 χ^2/NDF: 2146988.1/35

All: 3805.424+/-0.412 χ^2/NDF: 4855475.3/72

- sign 3776.915+/-0.584 χ^2/NDF: 2703752.1/36

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 730.737+/-1056.069 χ^2/NDF:21.2/19

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

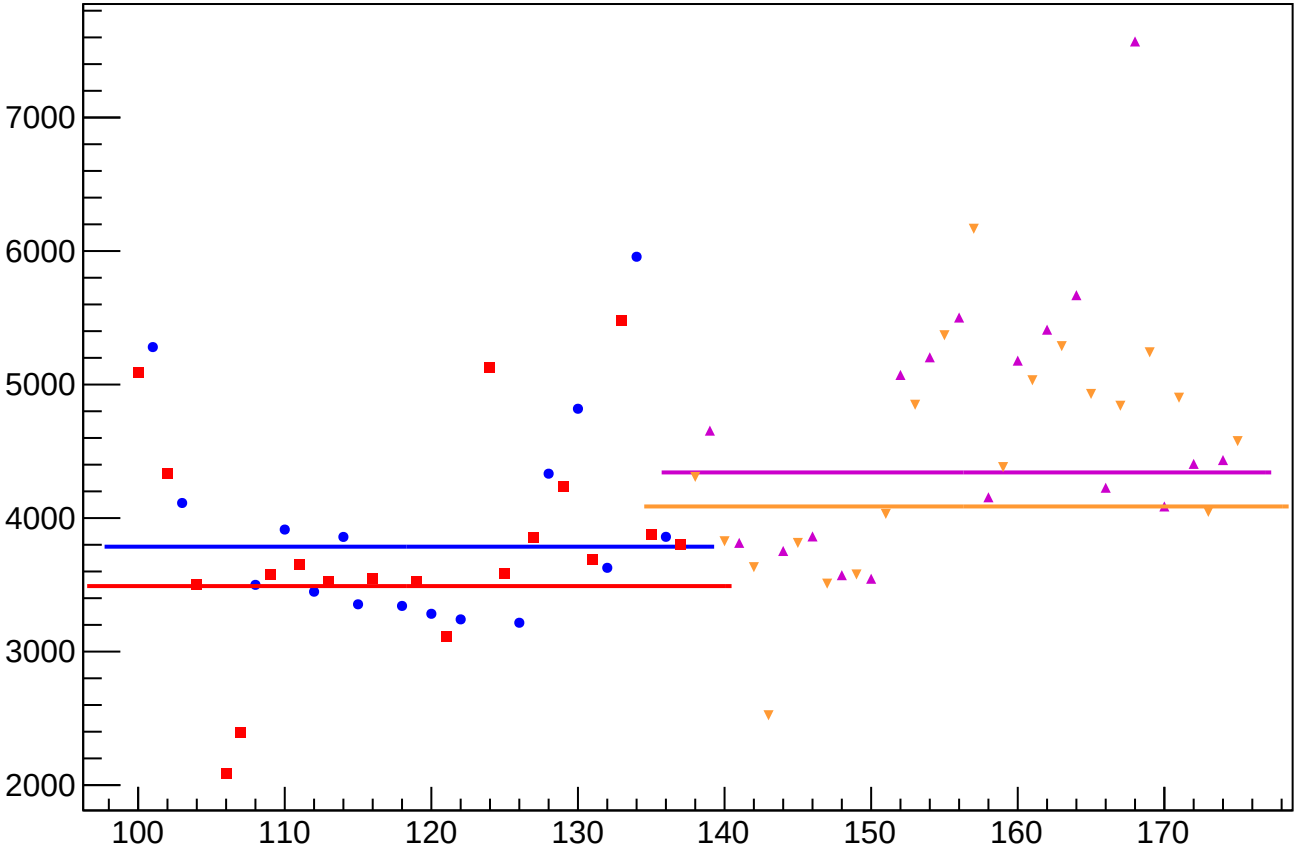
Left In: 210.269+/-1146.548 χ^2/NDF:12.1/17

\+ sign 11.814+/-849.857 χ^2/NDF: 40.1/35

All: 106.911+/-607.967 χ^2/NDF: 63.9/72

\- sign 206.589+/-870.089 χ^2/NDF: 23.8/36

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4086.971+/-0.747 χ^2/NDF:1422530.3/19

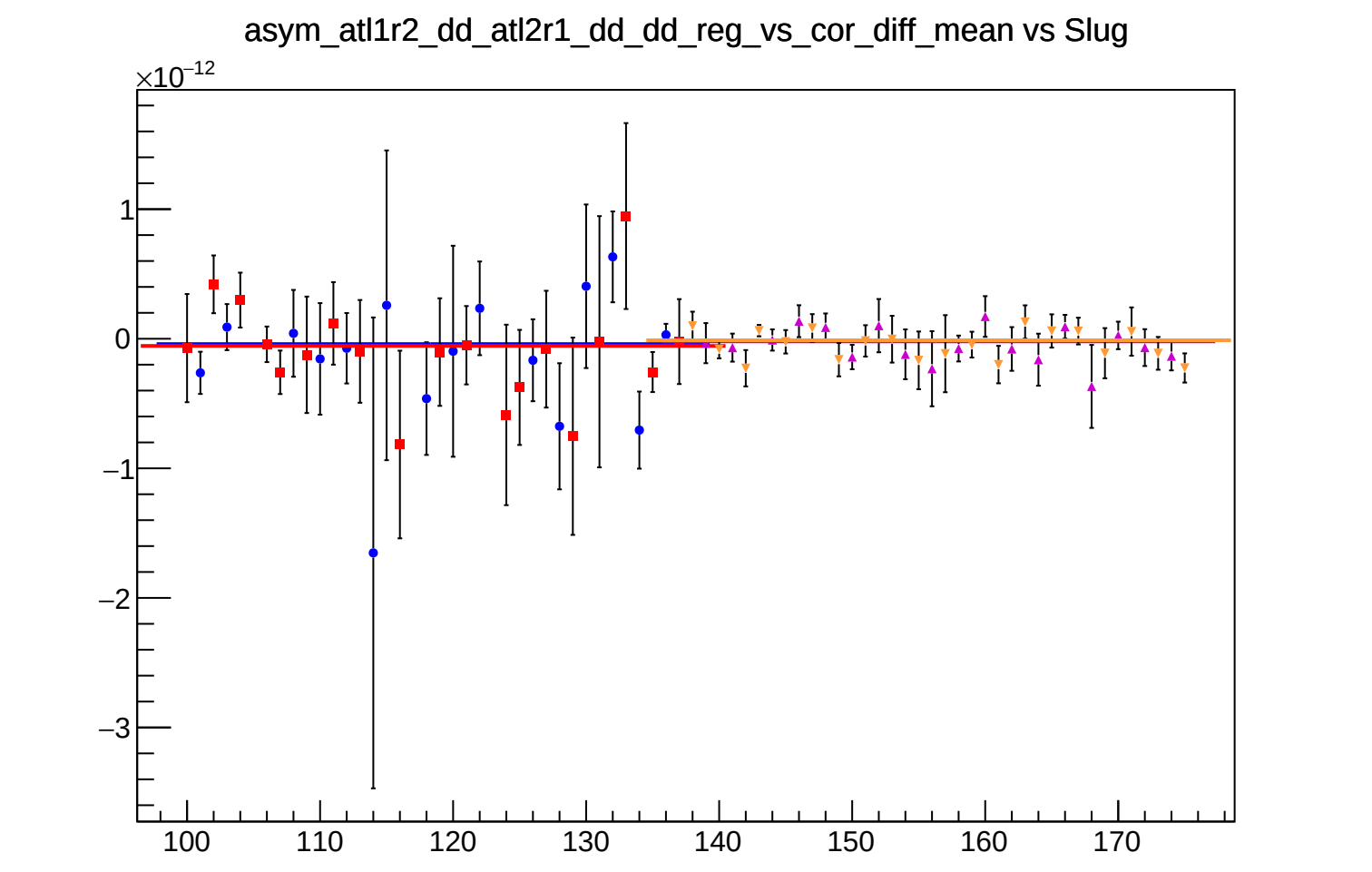
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4341.856+/-0.811 χ^2/NDF:933474.2/17

\+ sign 3980.828+/-0.601 χ^2/NDF: 1862853.9/35

All: 3978.024+/-0.429 χ^2/NDF: 3858041.8/72

\- sign 3975.120+/-0.612 χ^2/NDF: 1995143.6/36



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.4/19

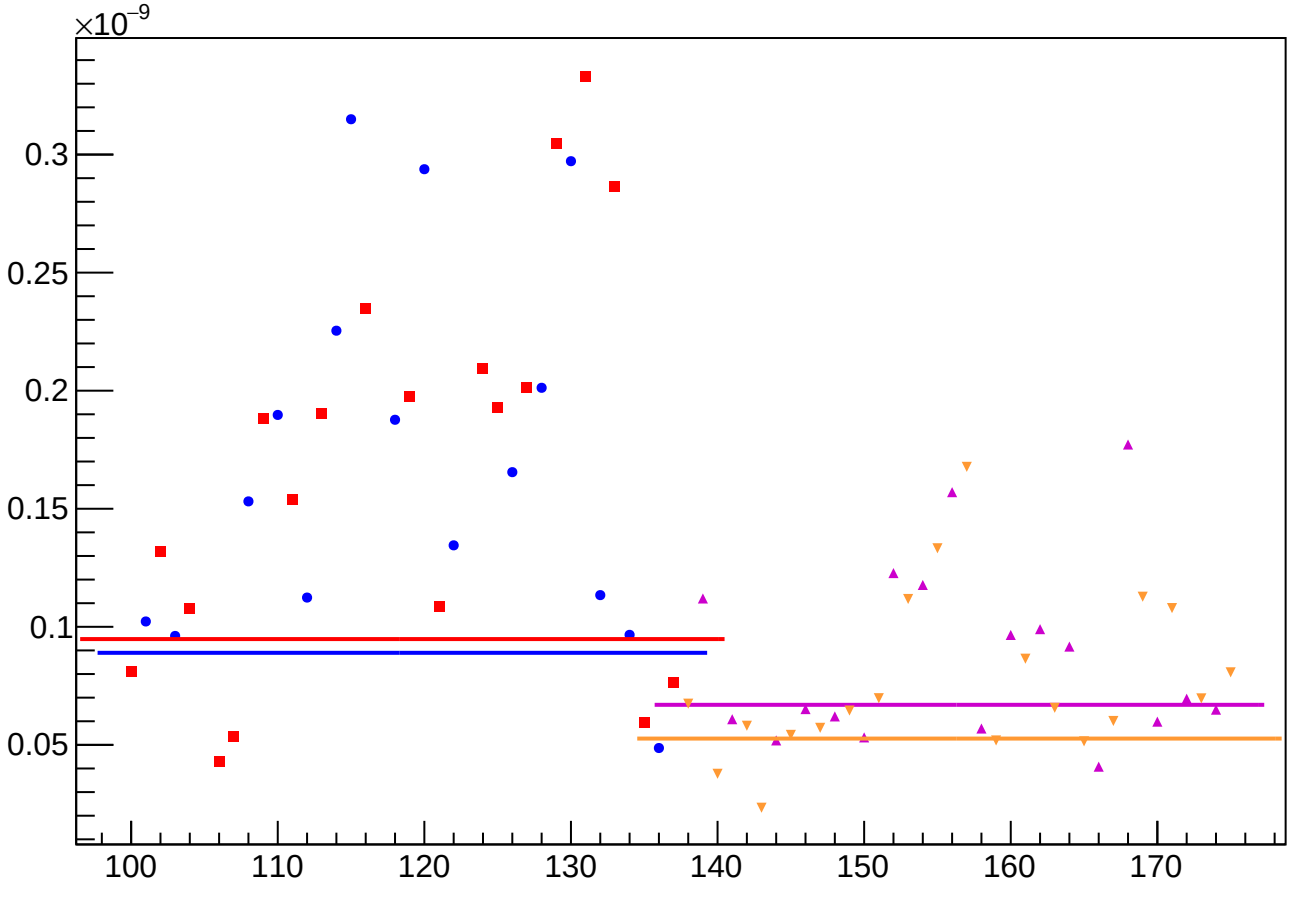
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/35

All: -0.000+/-0.000 χ^2/NDF: 63.6/72

- sign -0.000+/-0.000 χ^2/NDF: 28.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2521984.4/19

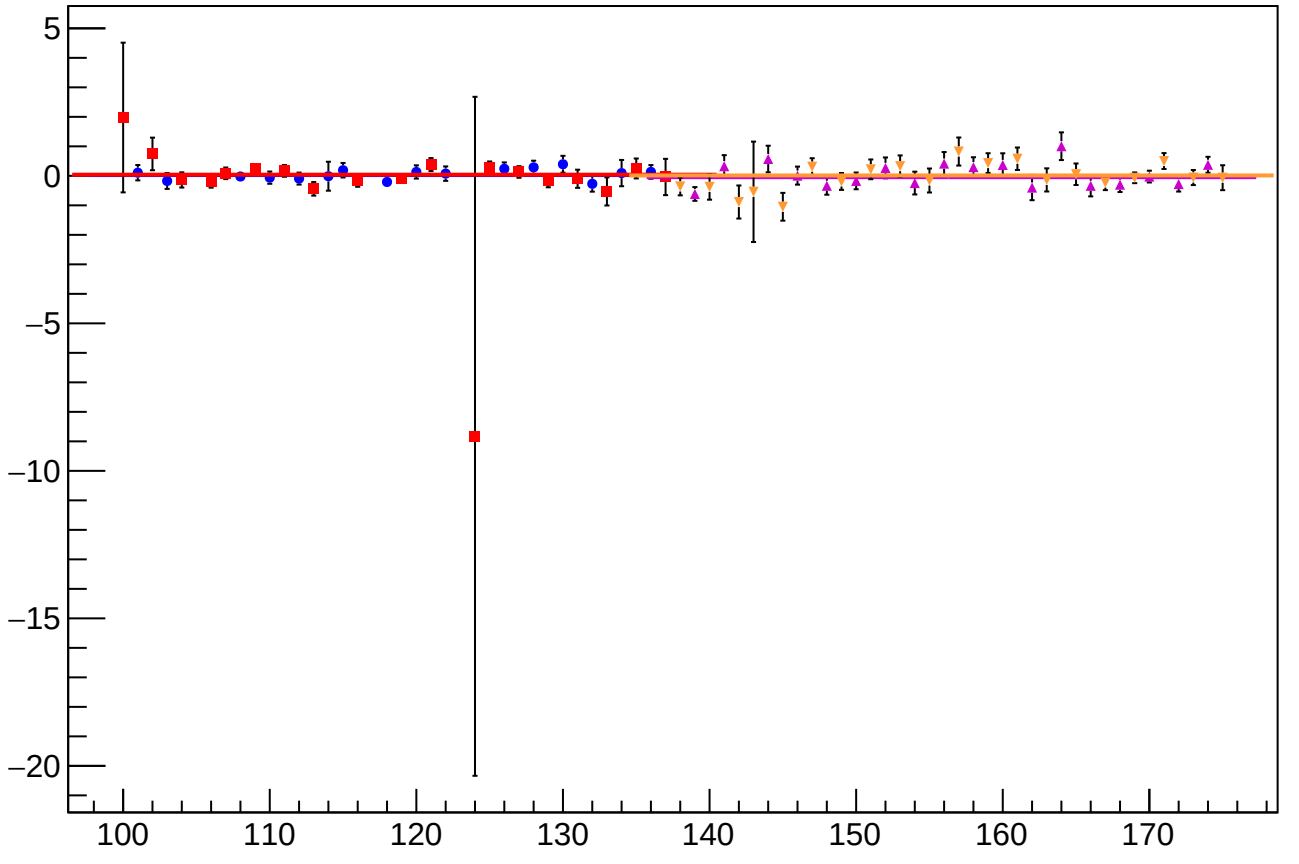
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1375901.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 4636836.9/35

All: 0.000+/-0.000 χ^2/NDF: 8397999.2/72

- sign 0.000+/-0.000 χ^2/NDF: 3423324.0/36



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

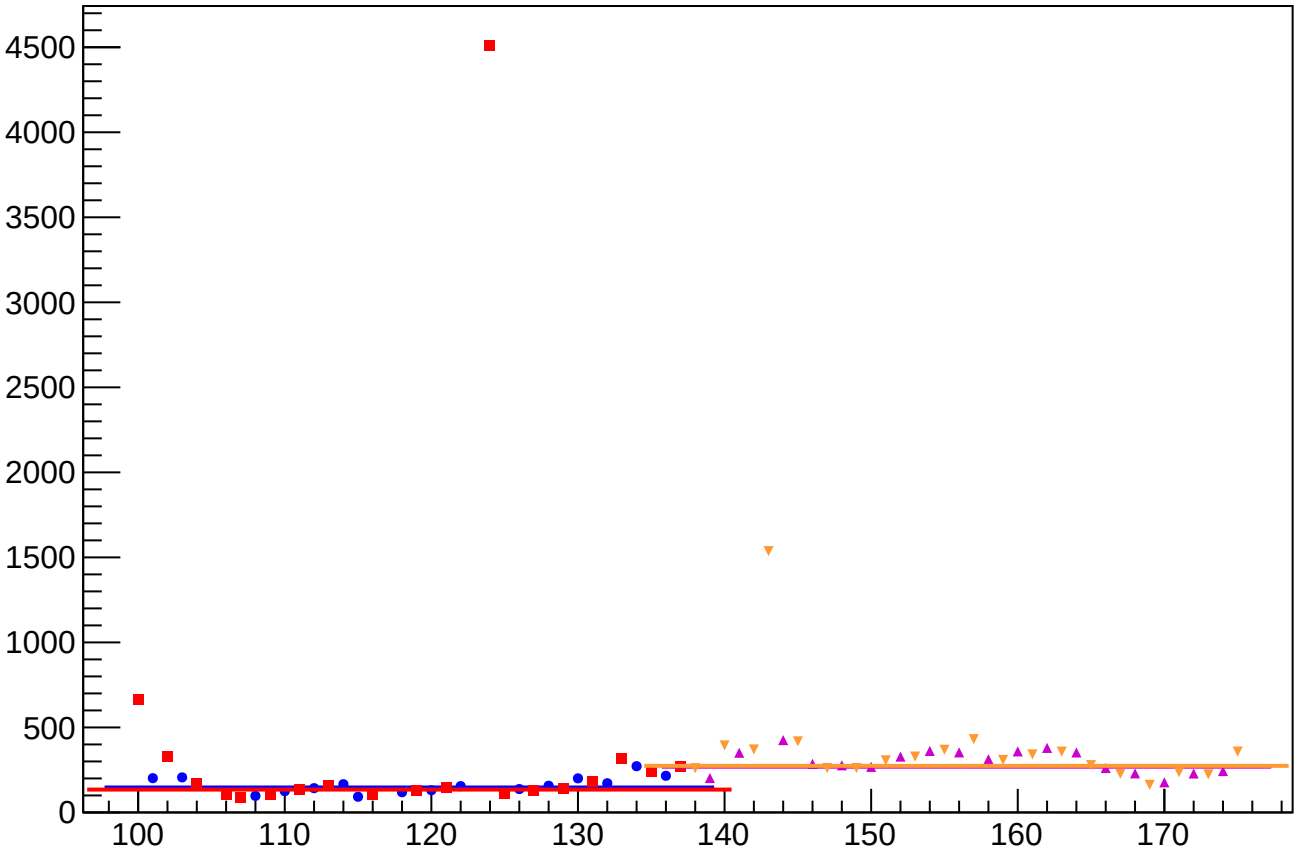
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.016+/-0.031 χ^2/NDF: 79.8/72

- sign 0.009+/-0.044 χ^2/NDF: 46.0/36



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092245.2/19

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

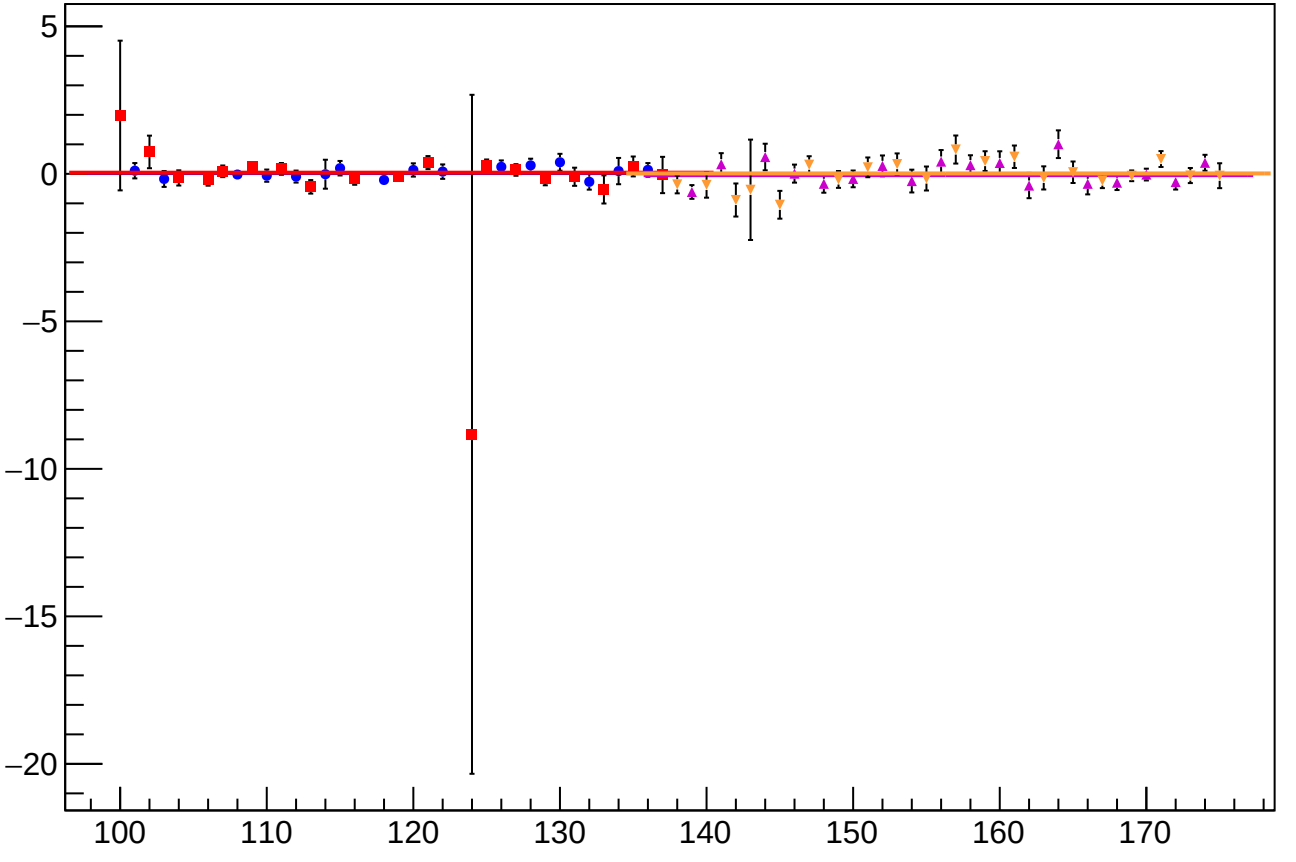
Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

+ sign 195.414+/-0.032 χ^2/NDF: 7803505.3/35

All: 189.106+/-0.022 χ^2/NDF: 15507610.9/72

- sign 183.234+/-0.031 χ^2/NDF: 7629435.0/36

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: 0.014+/-0.073 χ^2/NDF:24.3/19

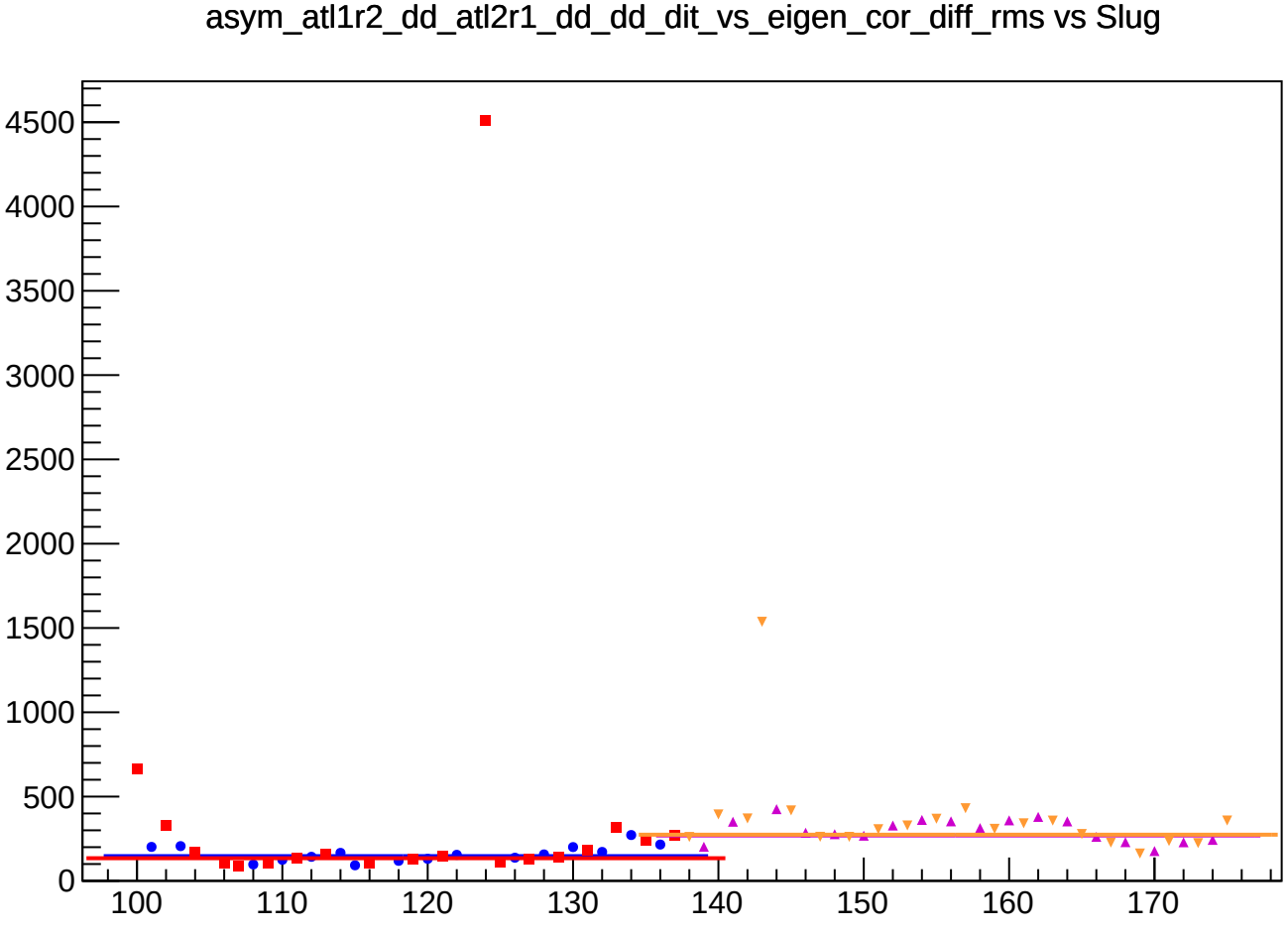
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.016+/-0.031 χ^2/NDF: 79.8/72

- sign 0.009+/-0.044 χ^2/NDF: 46.0/36



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092245.2/19

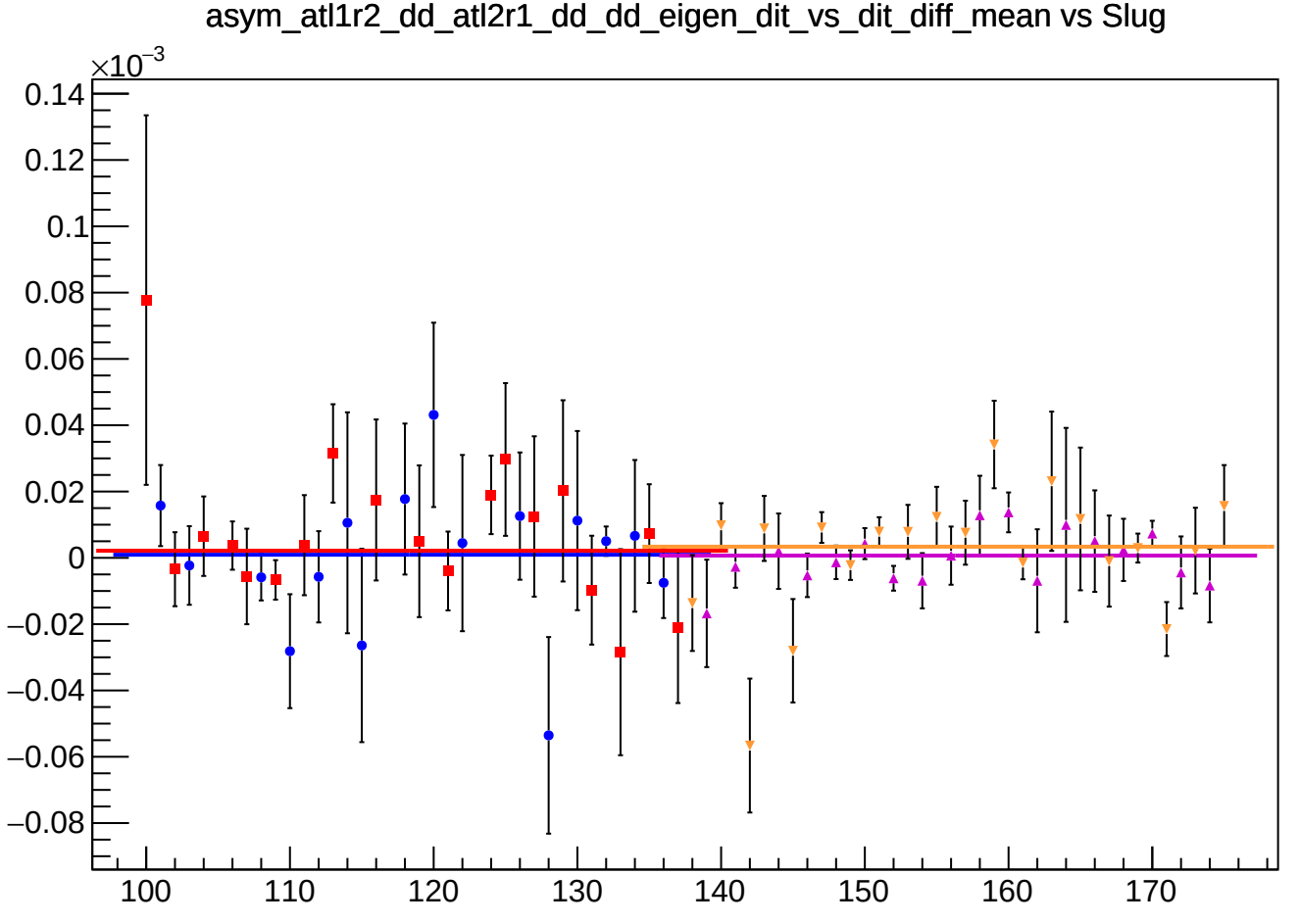
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

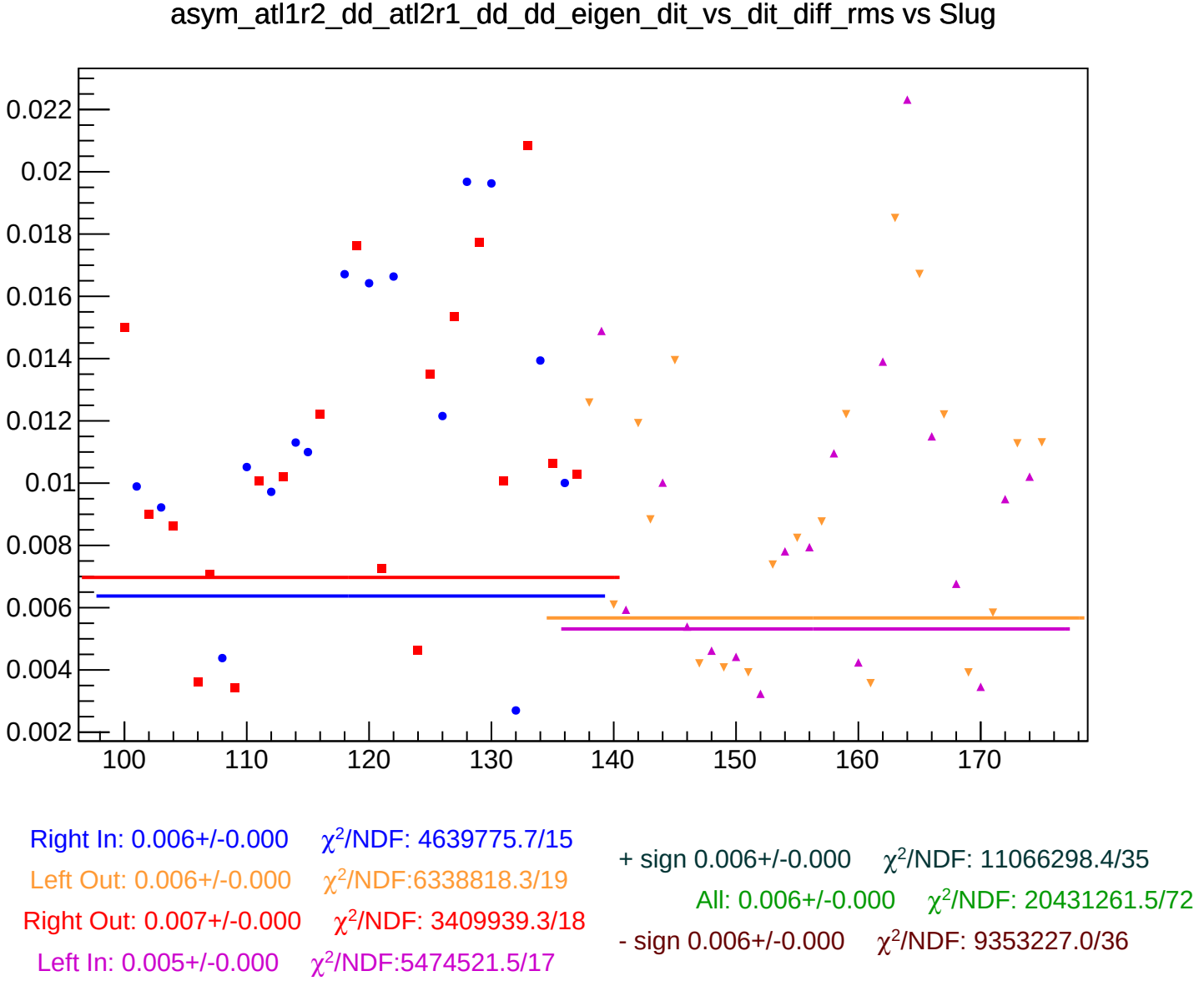
Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

+ sign 195.414+/-0.032 χ^2/NDF: 7803505.3/35

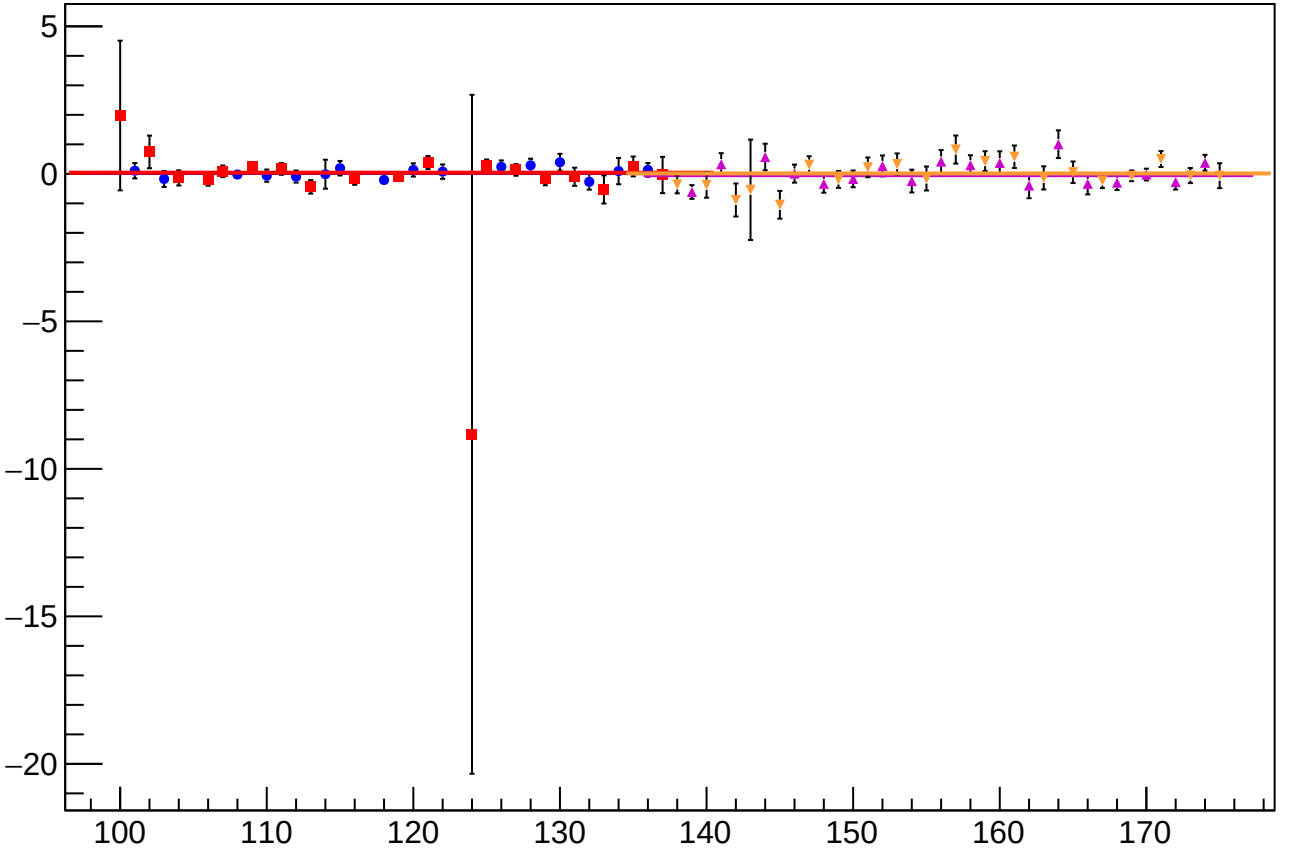
All: 189.106+/-0.022 χ^2/NDF: 15507610.9/72

- sign 183.234+/-0.031 χ^2/NDF: 7629435.0/36


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:39.0/19
Right Out: 0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:17.3/17
+ sign 0.000+/-0.000 χ²/NDF: 54.4/35
All: 0.000+/-0.000 χ²/NDF: 88.7/72
- sign 0.000+/-0.000 χ²/NDF: 33.5/36


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.006+/-0.000 χ²/NDF: 4639775.7/15
Left Out: 0.006+/-0.000 χ²/NDF:6338818.3/19
Right Out: 0.007+/-0.000 χ²/NDF: 3409939.3/18
Left In: 0.005+/-0.000 χ²/NDF:5474521.5/17
+ sign 0.006+/-0.000 χ²/NDF: 11066298.4/35
All: 0.006+/-0.000 χ²/NDF: 20431261.5/72
- sign 0.006+/-0.000 χ²/NDF: 9353227.0/36

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

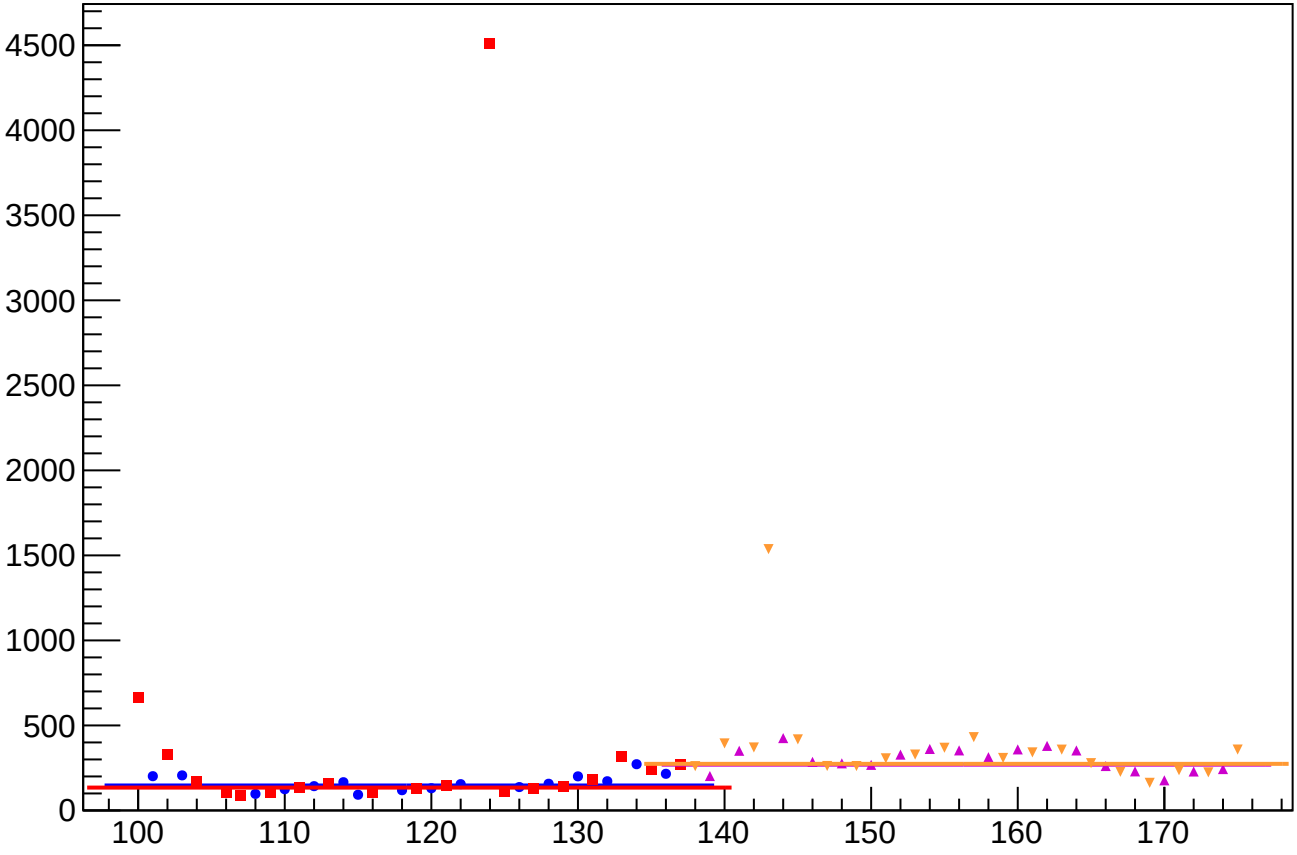
Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.016+/-0.031 χ^2/NDF: 79.8/72

- sign 0.009+/-0.044 χ^2/NDF: 46.0/36

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

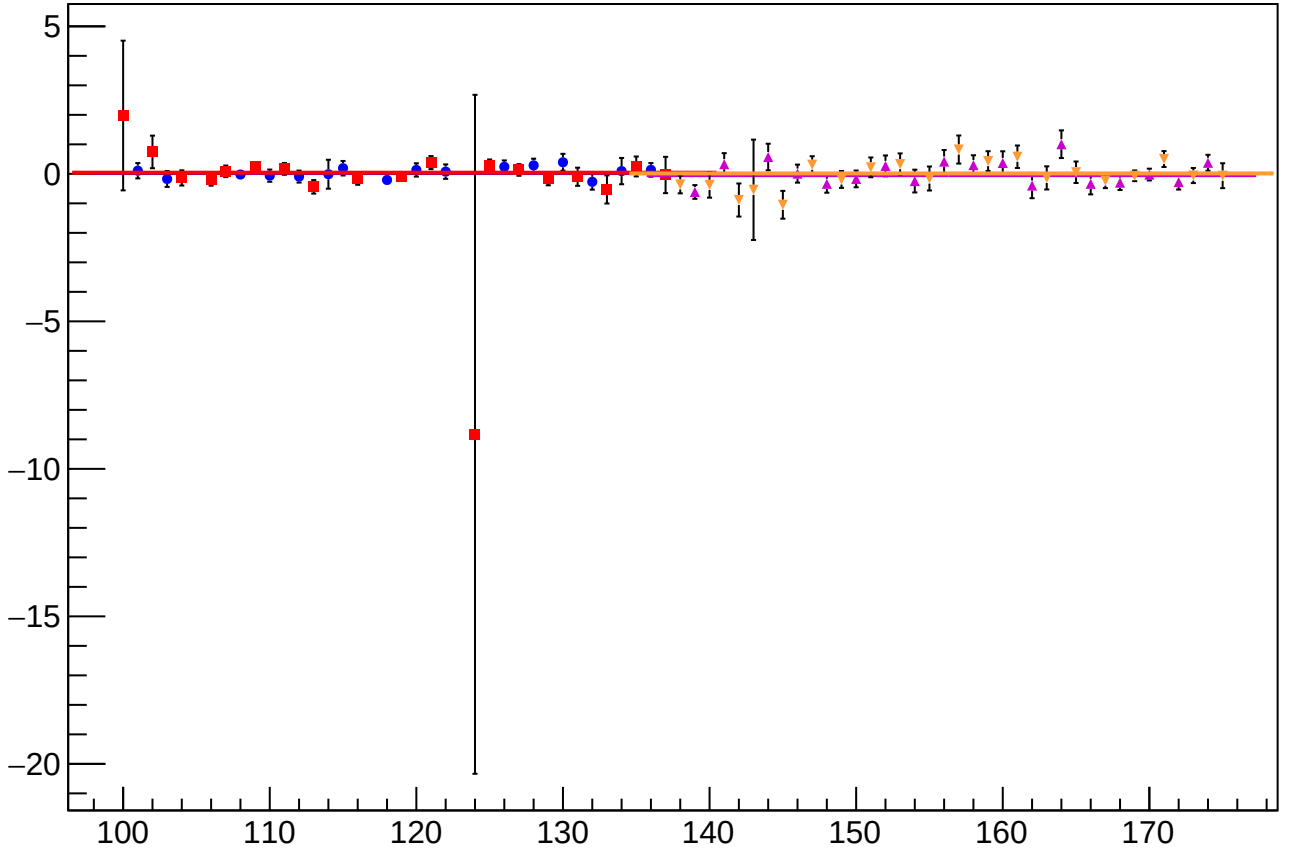
Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

+ sign 195.414+/-0.032 χ^2/NDF: 7803580.4/35

All: 189.106+/-0.022 χ^2/NDF: 15507609.5/72

- sign 183.236+/-0.031 χ^2/NDF: 7629378.7/36

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: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

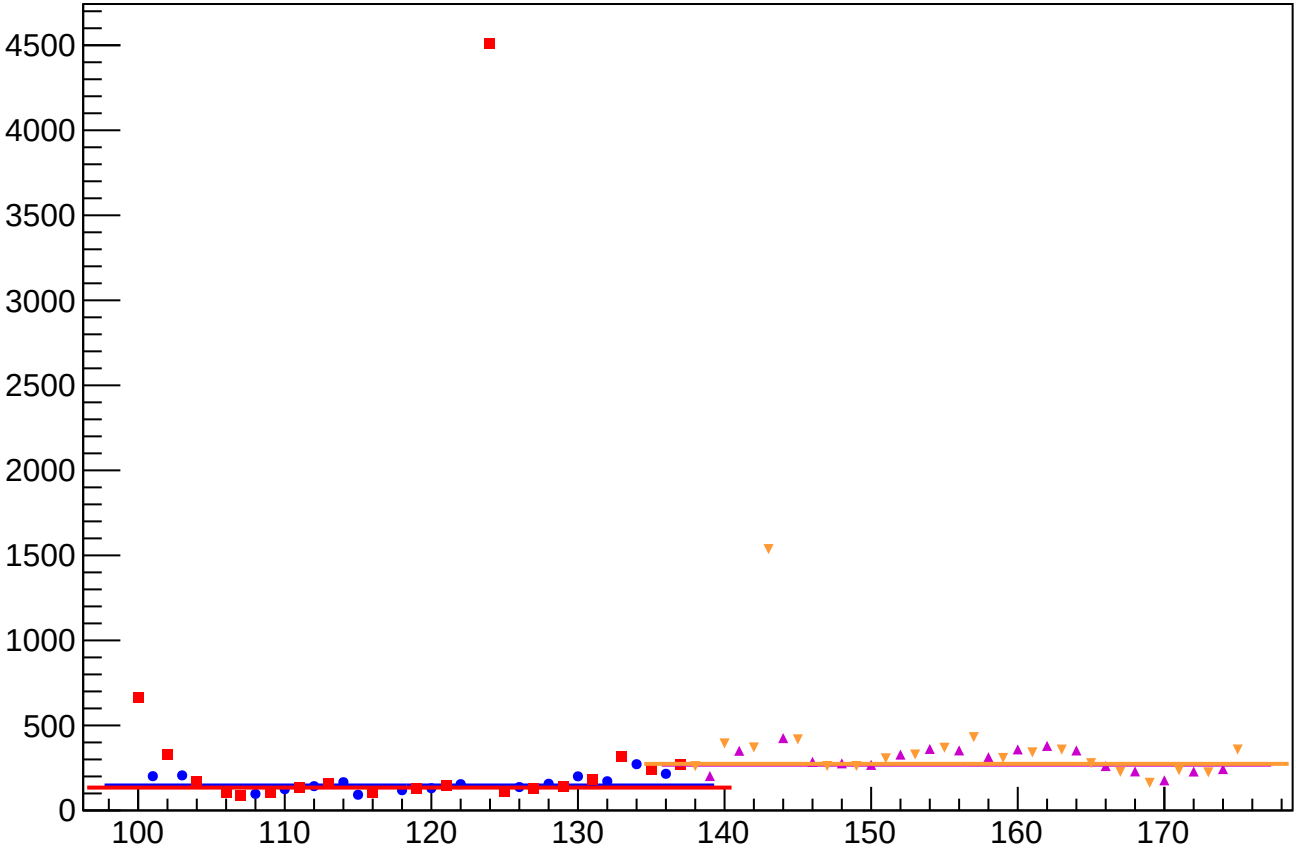
Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.016+/-0.031 χ^2/NDF: 79.8/72

- sign 0.009+/-0.044 χ^2/NDF: 46.0/36

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

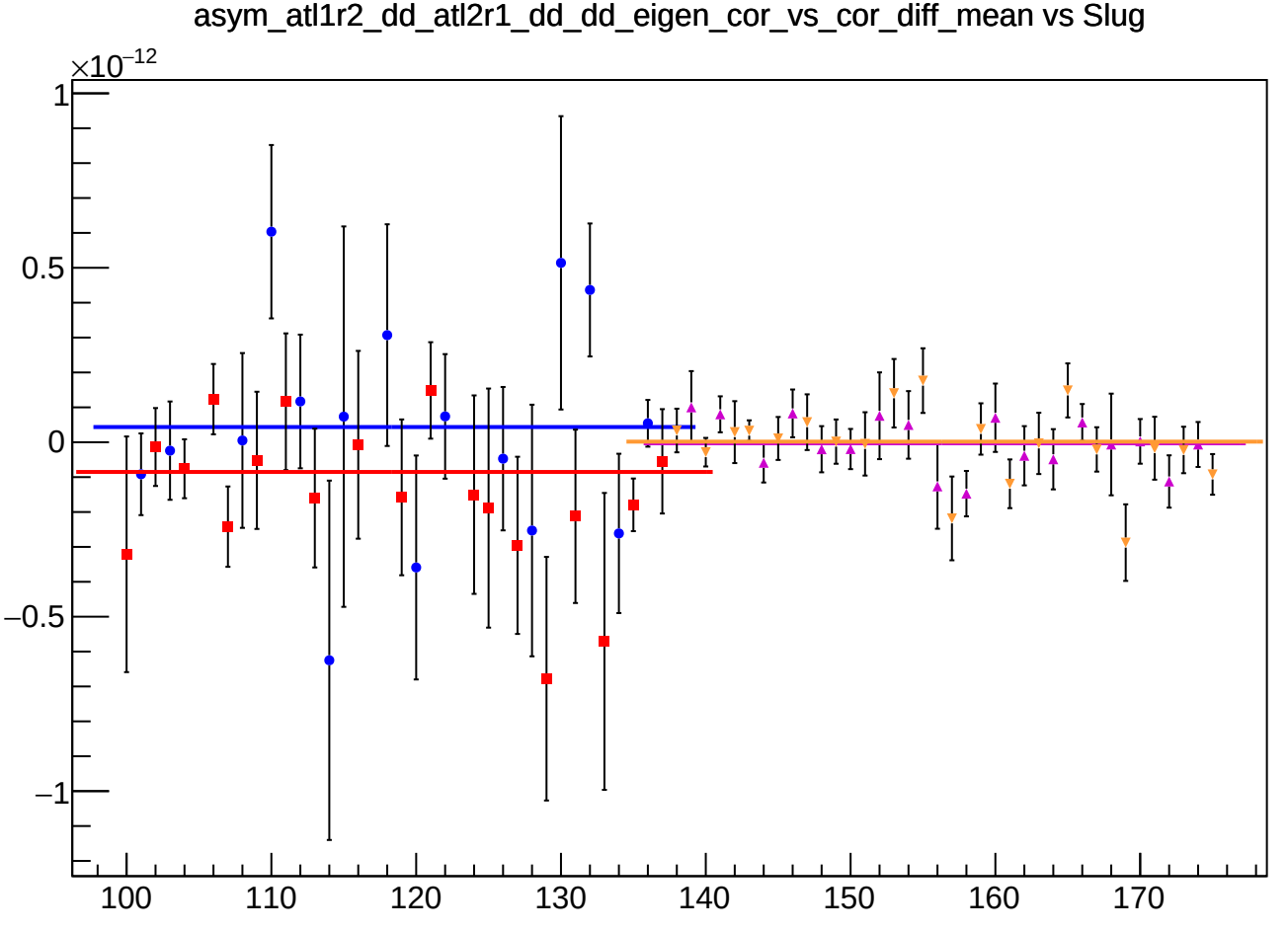
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

+ sign 195.414+/-0.032 χ^2/NDF: 7803580.4/35

All: 189.106+/-0.022 χ^2/NDF: 15507609.5/72

- sign 183.236+/-0.031 χ^2/NDF: 7629378.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/19

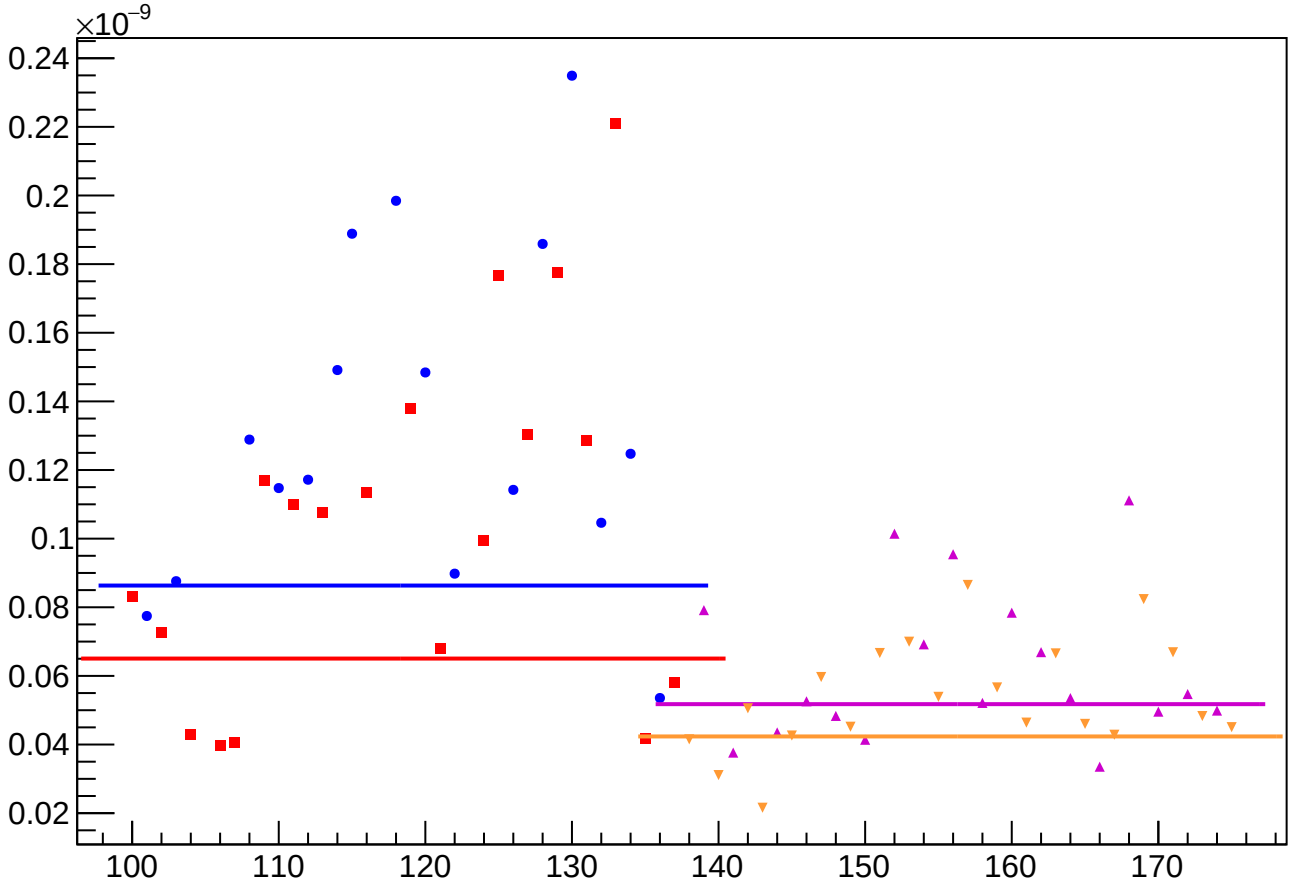
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 48.0/35

All: -0.000+/-0.000 χ^2/NDF: 89.7/72

- sign -0.000+/-0.000 χ^2/NDF: 40.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2525386.2/19

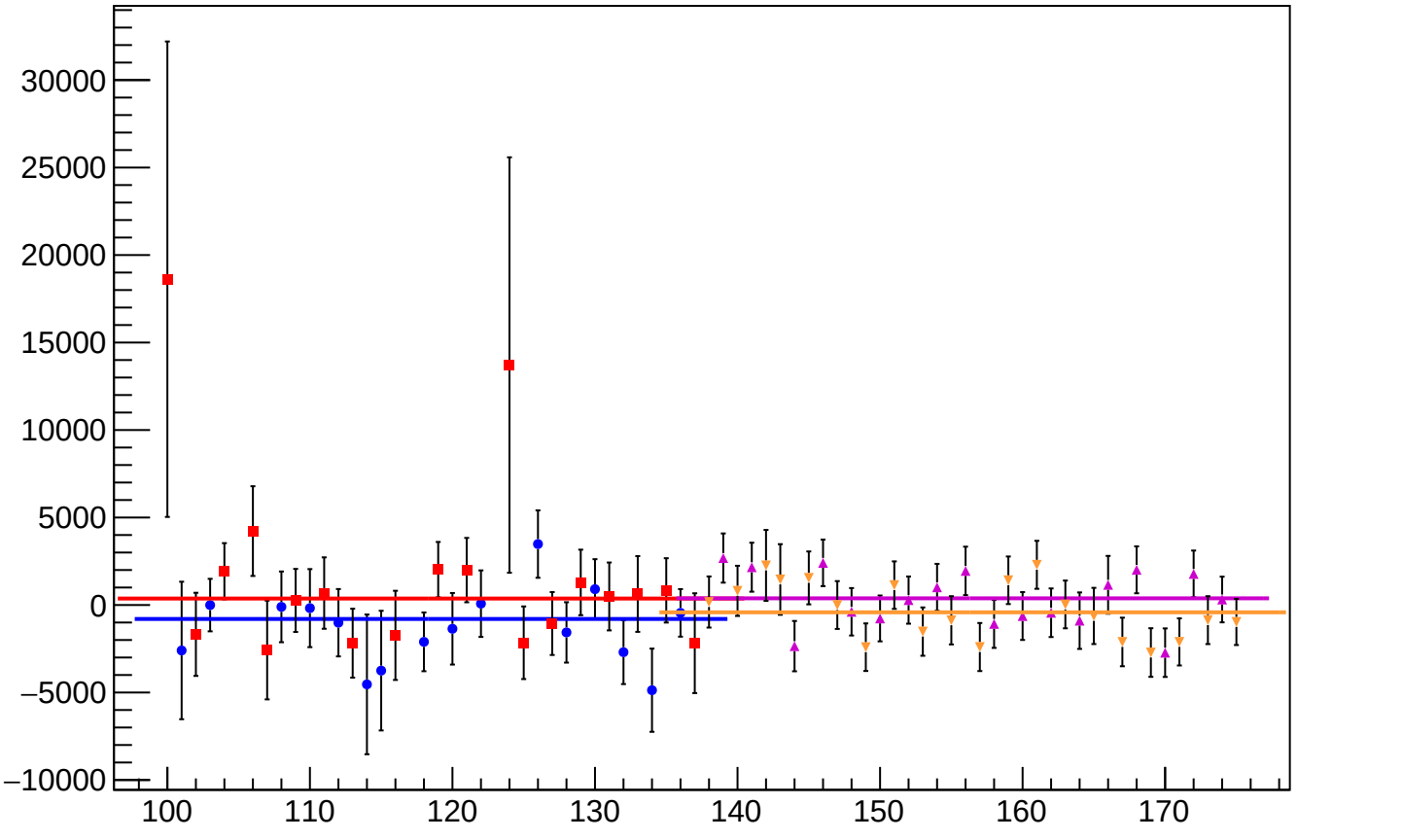
Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1834286.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 5993964.1/35

All: 0.000+/-0.000 χ^2/NDF: 10504649.2/72

- sign 0.000+/-0.000 χ^2/NDF: 4234532.2/36



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -417.294+/-319.809 χ^2/NDF:23.5/19

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

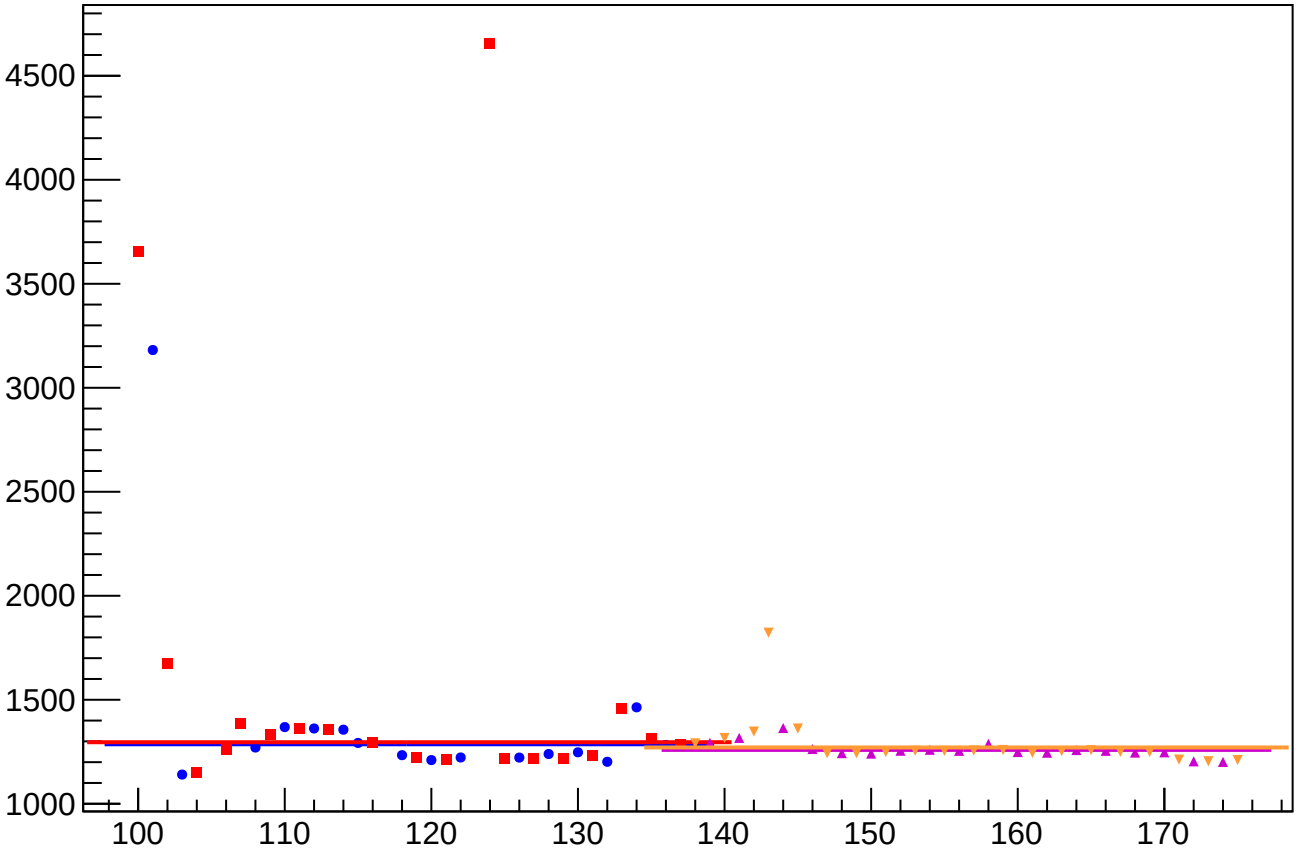
Left In: 382.635+/-326.503 χ^2/NDF:23.3/17

+ sign -531.639+/-267.396 χ^2/NDF: 37.4/35

All: -82.544+/-190.336 χ^2/NDF: 82.0/72

- sign 378.707+/-270.991 χ^2/NDF: 38.9/36

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

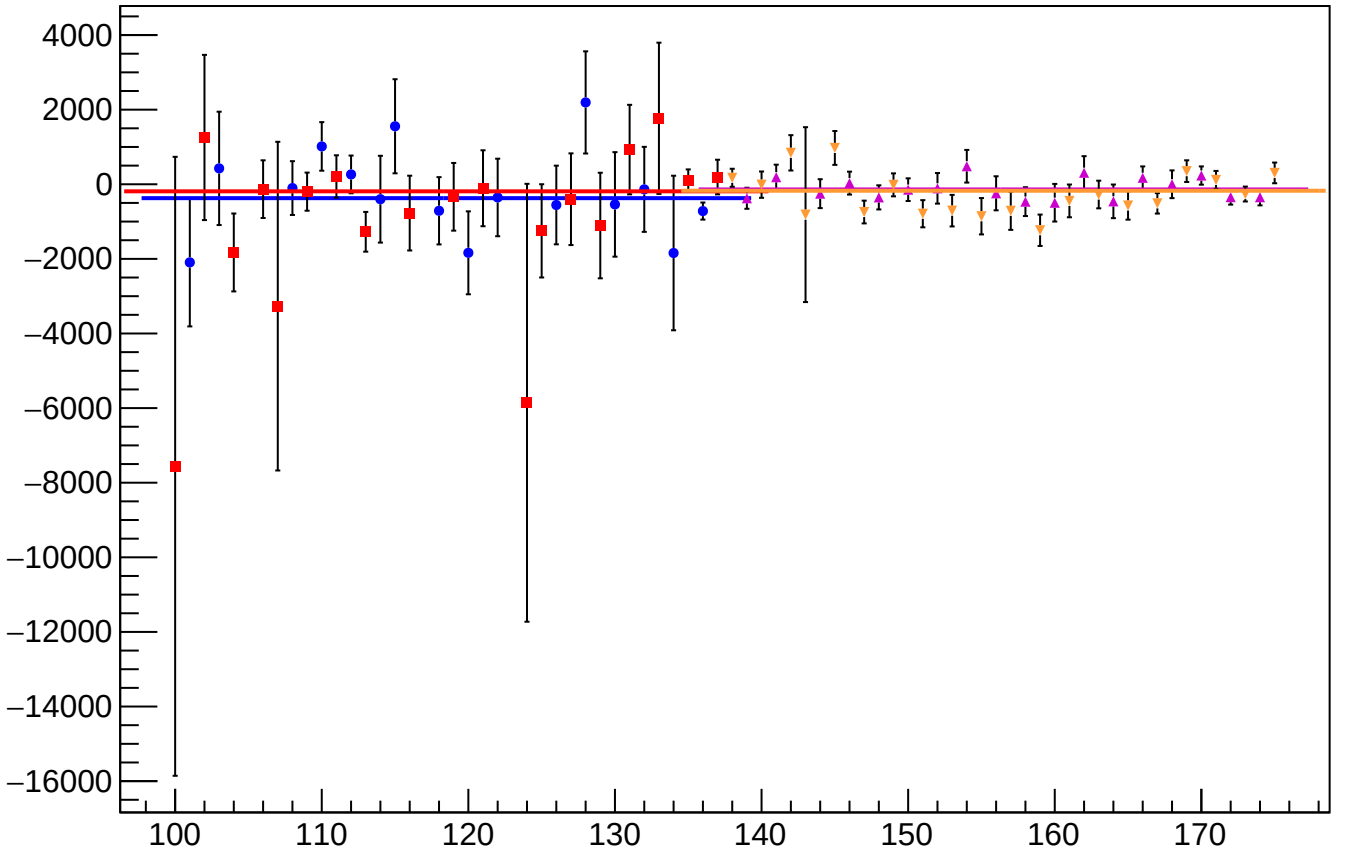
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

+ sign 1275.301+/-0.189 χ^2/NDF: 699535.4/35

All: 1272.944+/-0.135 χ^2/NDF: 1060692.4/72

- sign 1270.524+/-0.192 χ^2/NDF: 360842.1/36



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -173.360+/-74.015 χ^2/NDF:41.9/19

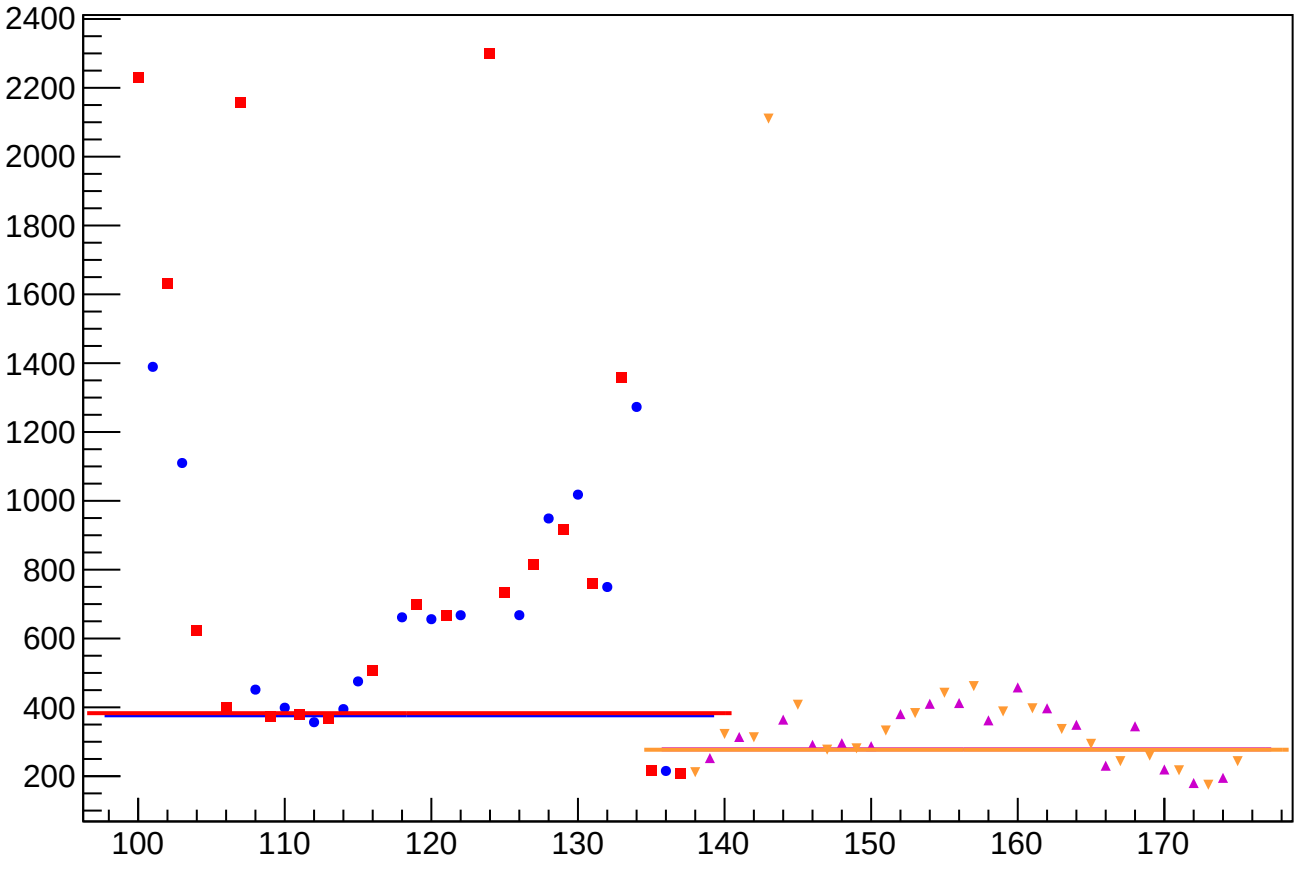
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -138.419+/-75.356 χ^2/NDF:12.8/17

\+ sign -205.636+/-67.746 χ^2/NDF: 61.3/35

All: -176.675+/-48.294 χ^2/NDF: 89.1/72

\- sign -146.751+/-68.863 χ^2/NDF: 27.5/36



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 276.848+/-0.052 χ^2/NDF:3300805.1/19

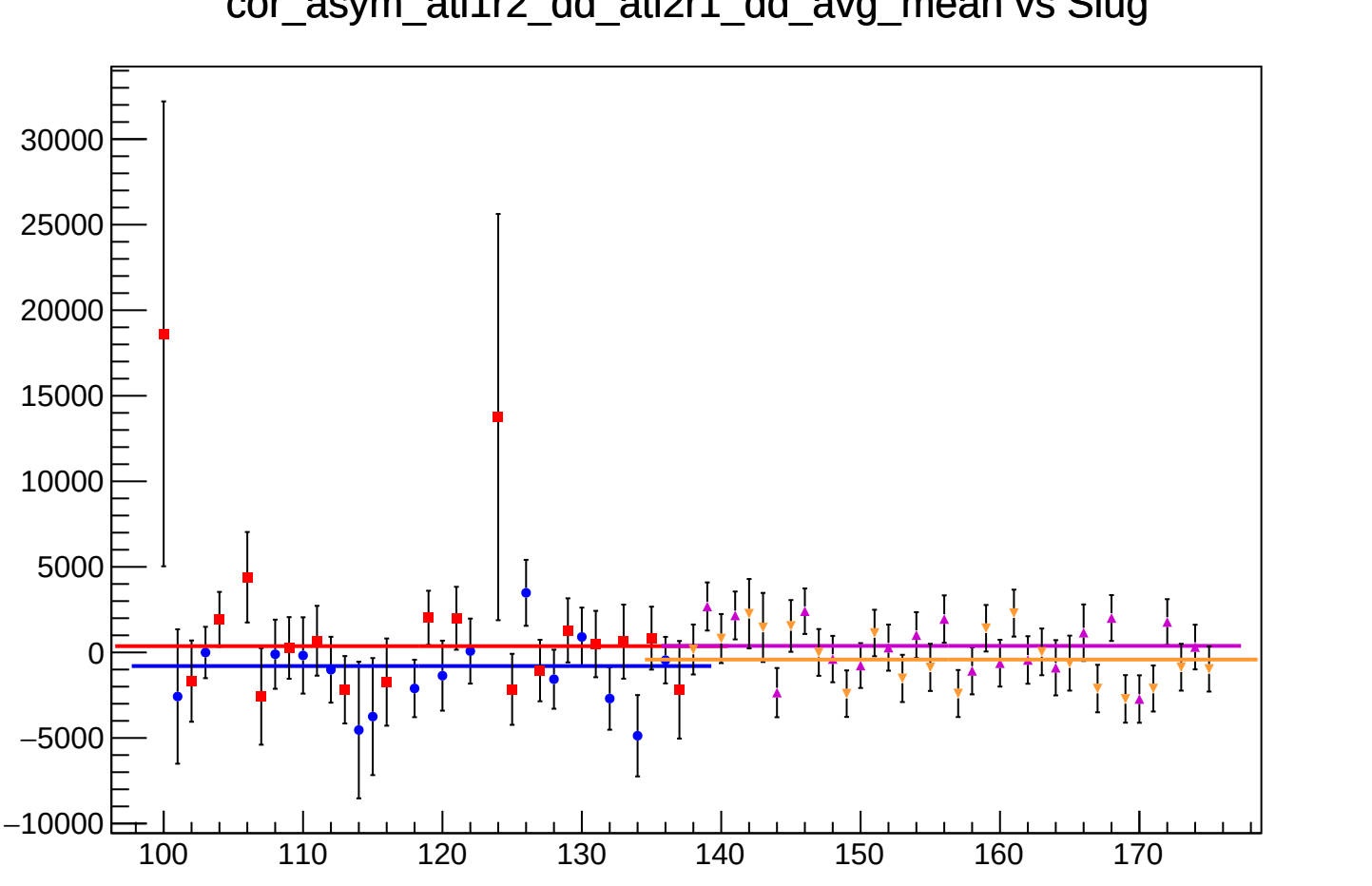
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 278.004+/-0.053 χ^2/NDF:2165381.0/17

+ sign 293.077+/-0.048 χ^2/NDF: 8083762.3/35

All: 294.185+/-0.034 χ^2/NDF: 14945553.0/72

- sign 295.331+/-0.049 χ^2/NDF: 6860701.5/36



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -417.253+/-319.809 χ^2/NDF:23.5/19

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

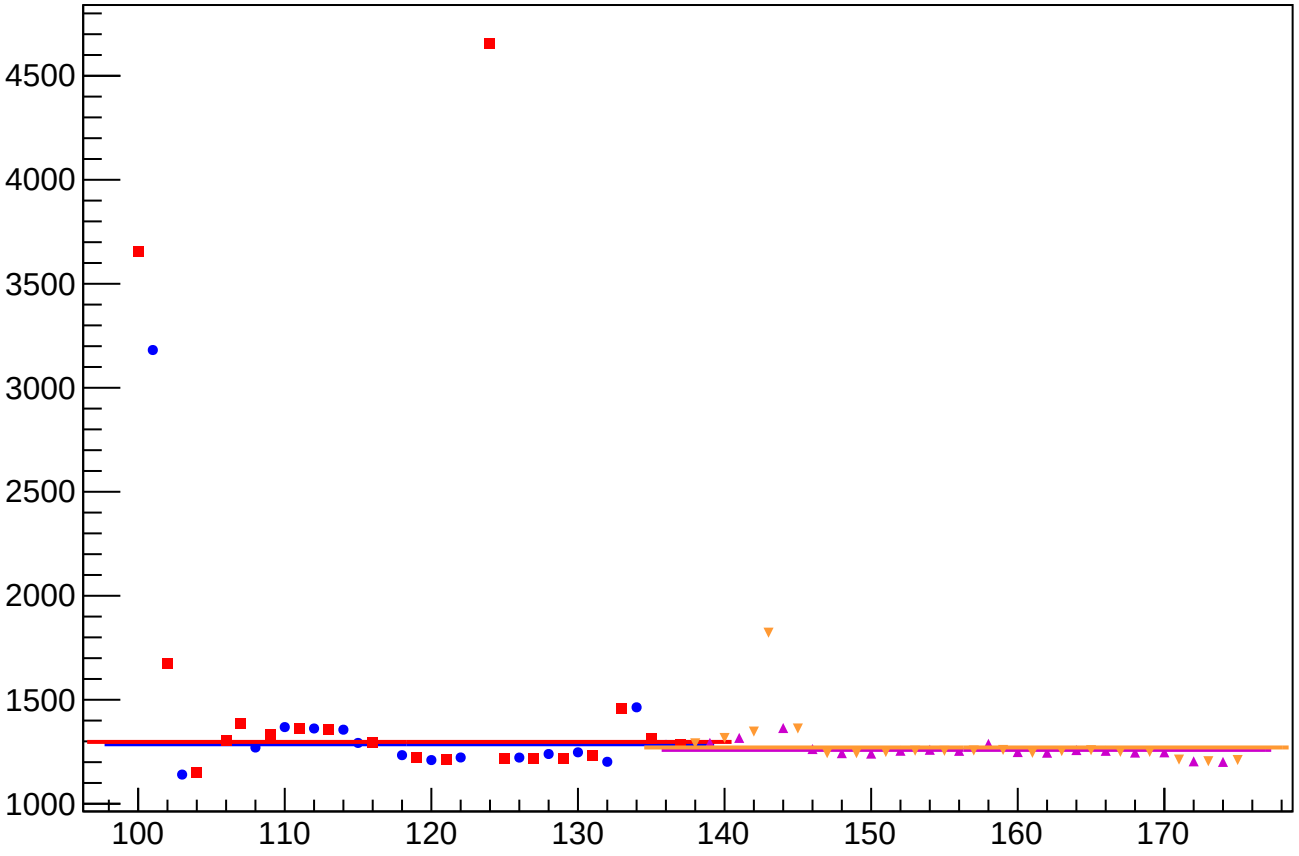
Left In: 382.583+/-326.503 χ^2/NDF:23.3/17

+ sign -531.490+/-267.396 χ^2/NDF: 37.4/35

All: -83.023+/-190.367 χ^2/NDF: 82.0/72

- sign 377.890+/-271.082 χ^2/NDF: 39.0/36

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

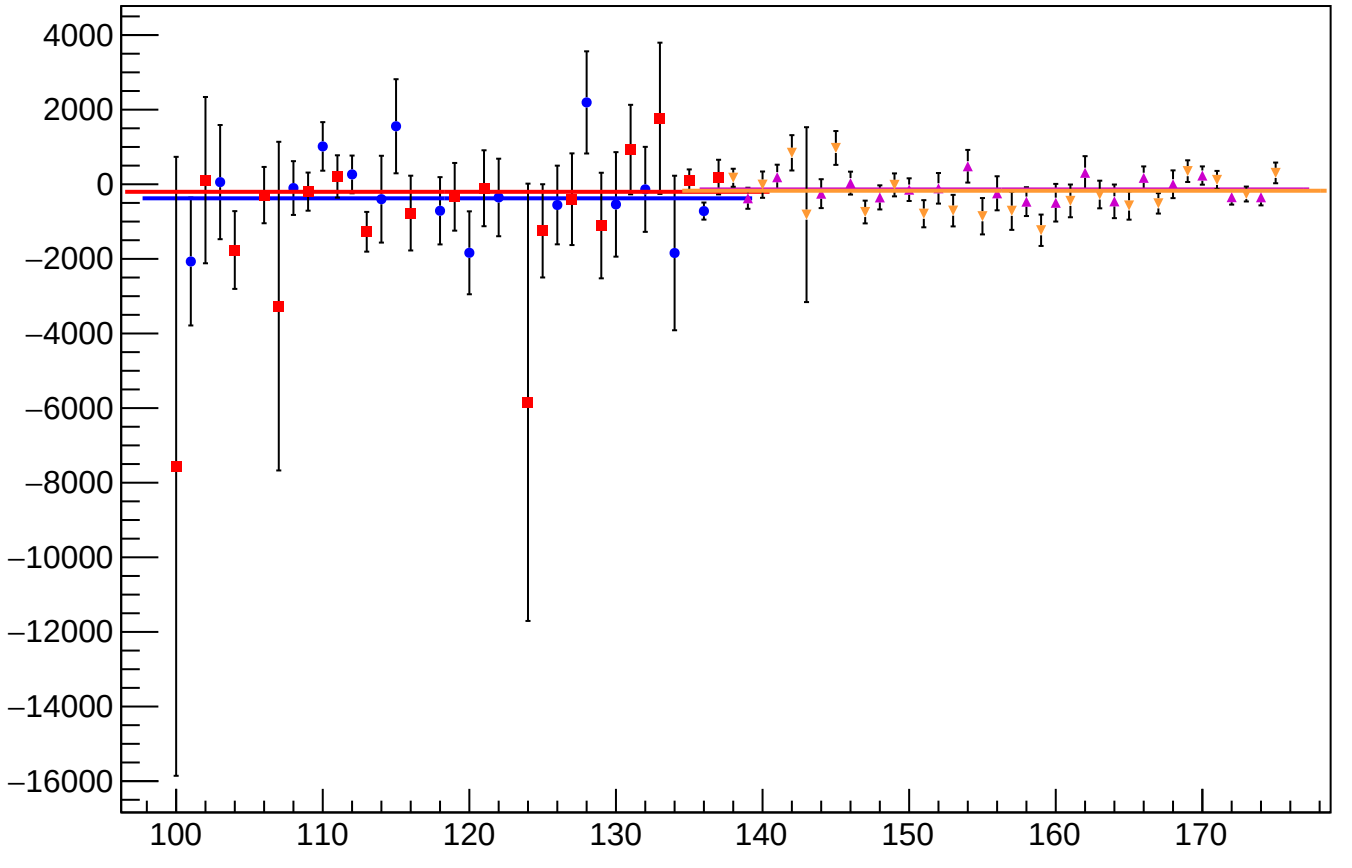
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

+ sign 1275.301+/-0.189 χ^2/NDF: 699536.8/35

All: 1273.159+/-0.135 χ^2/NDF: 1060935.5/72

- sign 1270.958+/-0.192 χ^2/NDF: 361138.5/36



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -173.341+/-74.017 χ^2/NDF:41.9/19

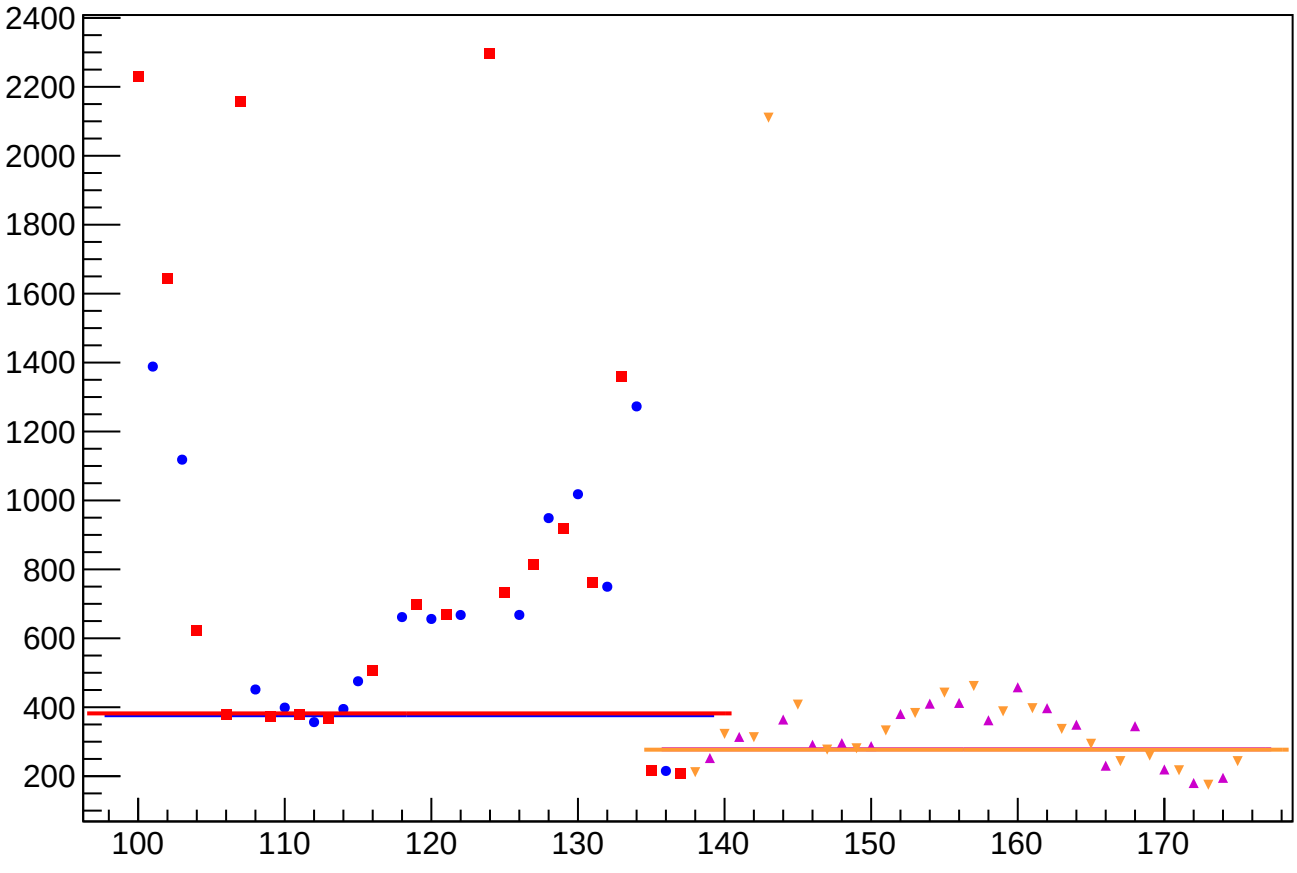
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -138.492+/-75.357 χ^2/NDF:12.8/17

+ sign -206.336+/-67.749 χ^2/NDF: 61.1/35

All: -178.135+/-48.291 χ^2/NDF: 88.4/72

- sign -149.009+/-68.851 χ^2/NDF: 26.9/36



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 276.857+/-0.052 χ^2/NDF:3300574.5/19

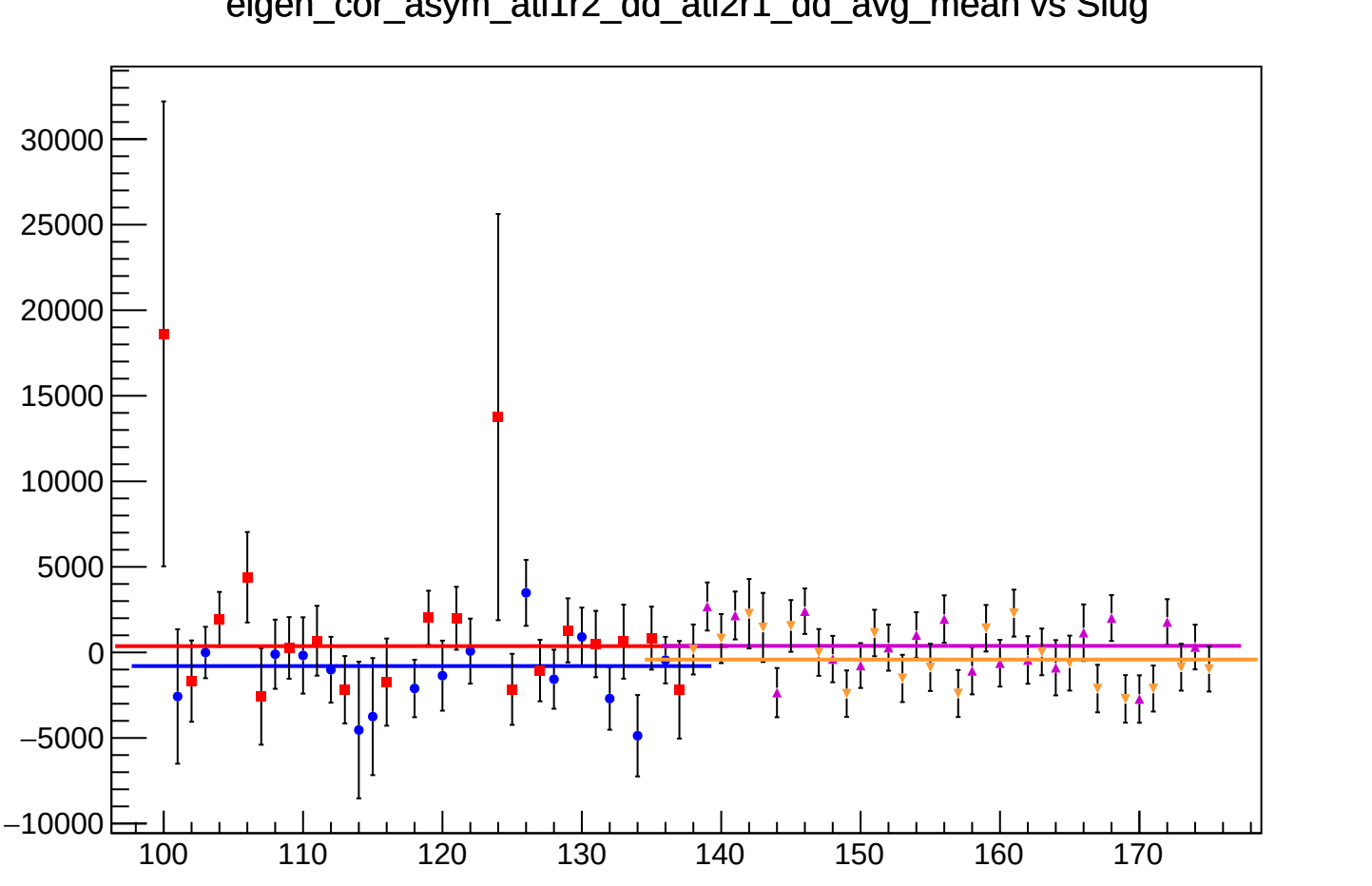
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.011+/-0.053 χ^2/NDF:2165200.3/17

+ sign 293.081+/-0.048 χ^2/NDF: 8086324.7/35

All: 294.131+/-0.034 χ^2/NDF: 14943052.7/72

- sign 295.216+/-0.049 χ^2/NDF: 6855751.0/36



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -417.253+/-319.809 χ^2/NDF:23.5/19

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

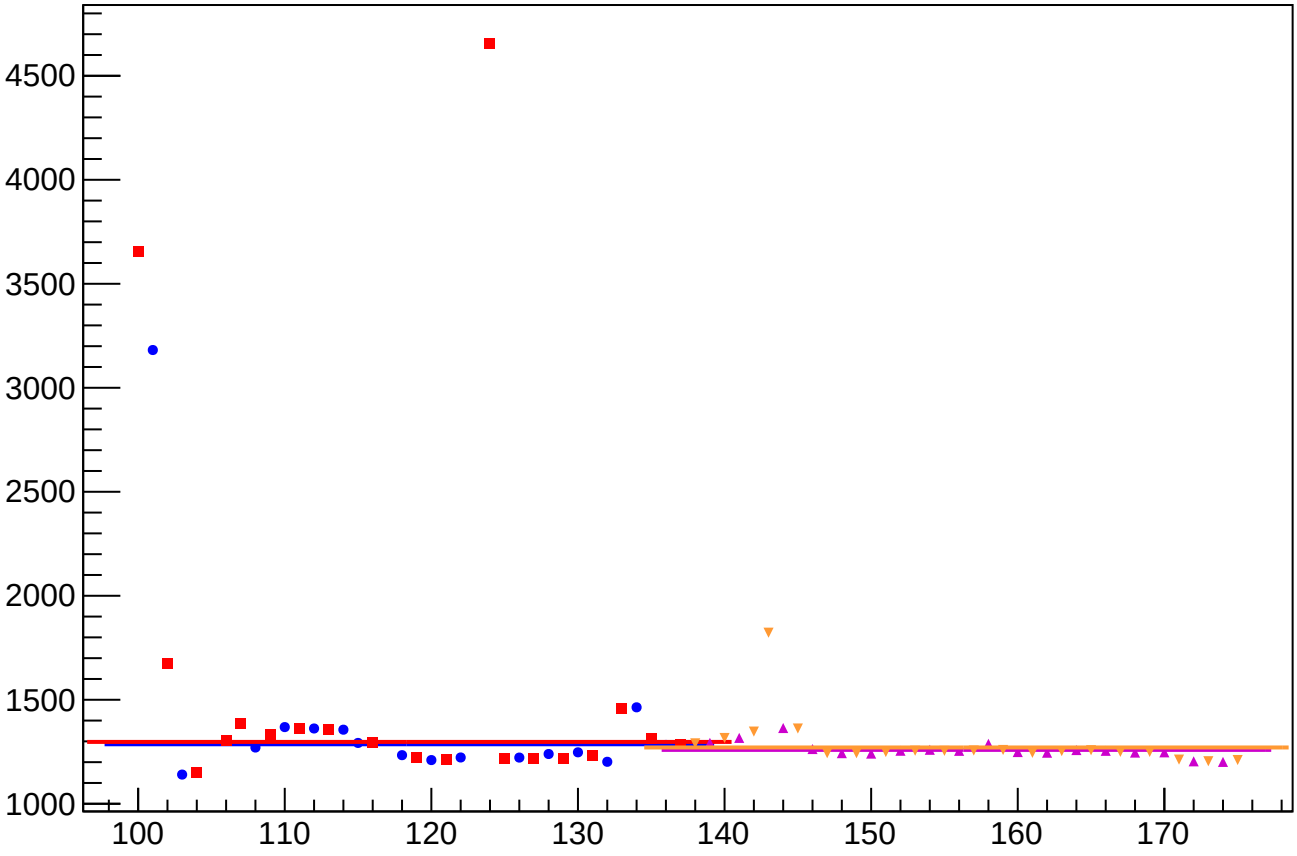
Left In: 382.583+/-326.503 χ^2/NDF:23.3/17

+ sign -531.490+/-267.396 χ^2/NDF: 37.4/35

All: -83.023+/-190.367 χ^2/NDF: 82.0/72

- sign 377.890+/-271.082 χ^2/NDF: 39.0/36

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

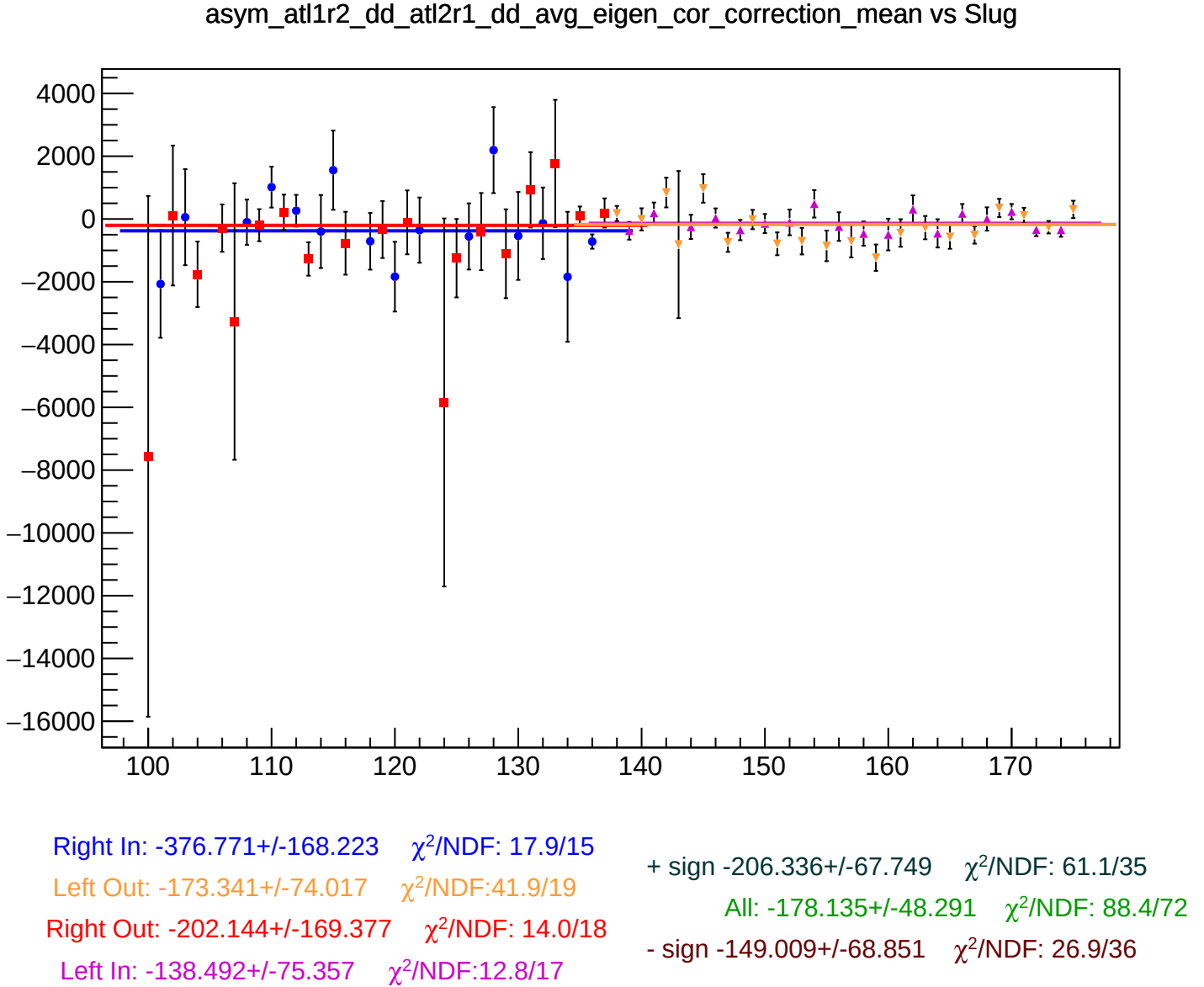
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

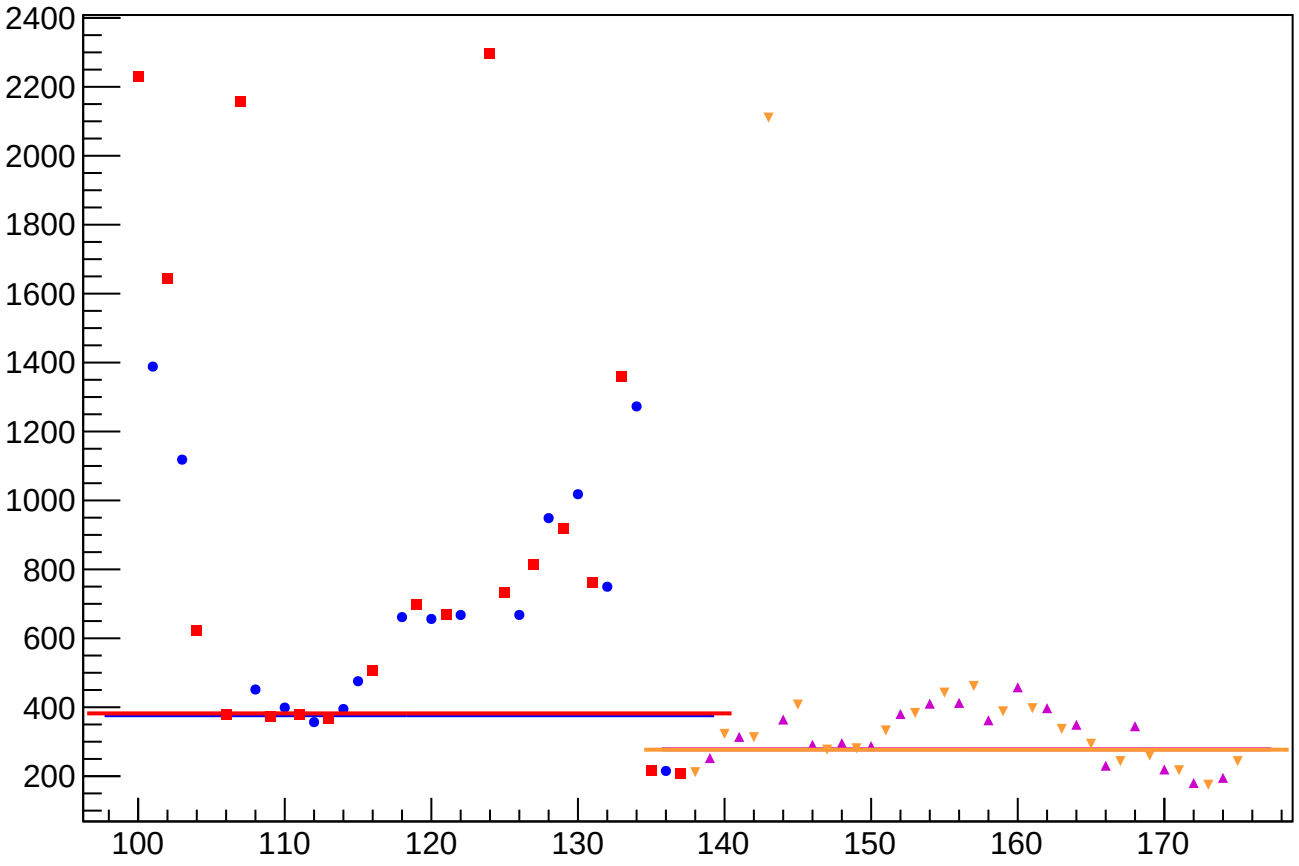
Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

+ sign 1275.301+/-0.189 χ^2/NDF: 699536.8/35

All: 1273.159+/-0.135 χ^2/NDF: 1060935.5/72

- sign 1270.958+/-0.192 χ^2/NDF: 361138.5/36


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
100
110
120
130
140
150
160
170
Right In: -376.771+/-168.223 χ²/NDF: 17.9/15
Left Out: -173.341+/-74.017 χ²/NDF:41.9/19
Right Out: -202.144+/-169.377 χ²/NDF: 14.0/18
Left In: -138.492+/-75.357 χ²/NDF:12.8/17
+ sign -206.336+/-67.749 χ²/NDF: 61.1/35
All: -178.135+/-48.291 χ²/NDF: 88.4/72
- sign -149.009+/-68.851 χ²/NDF: 26.9/36



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 276.857+/-0.052 χ^2/NDF:3300574.5/19

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

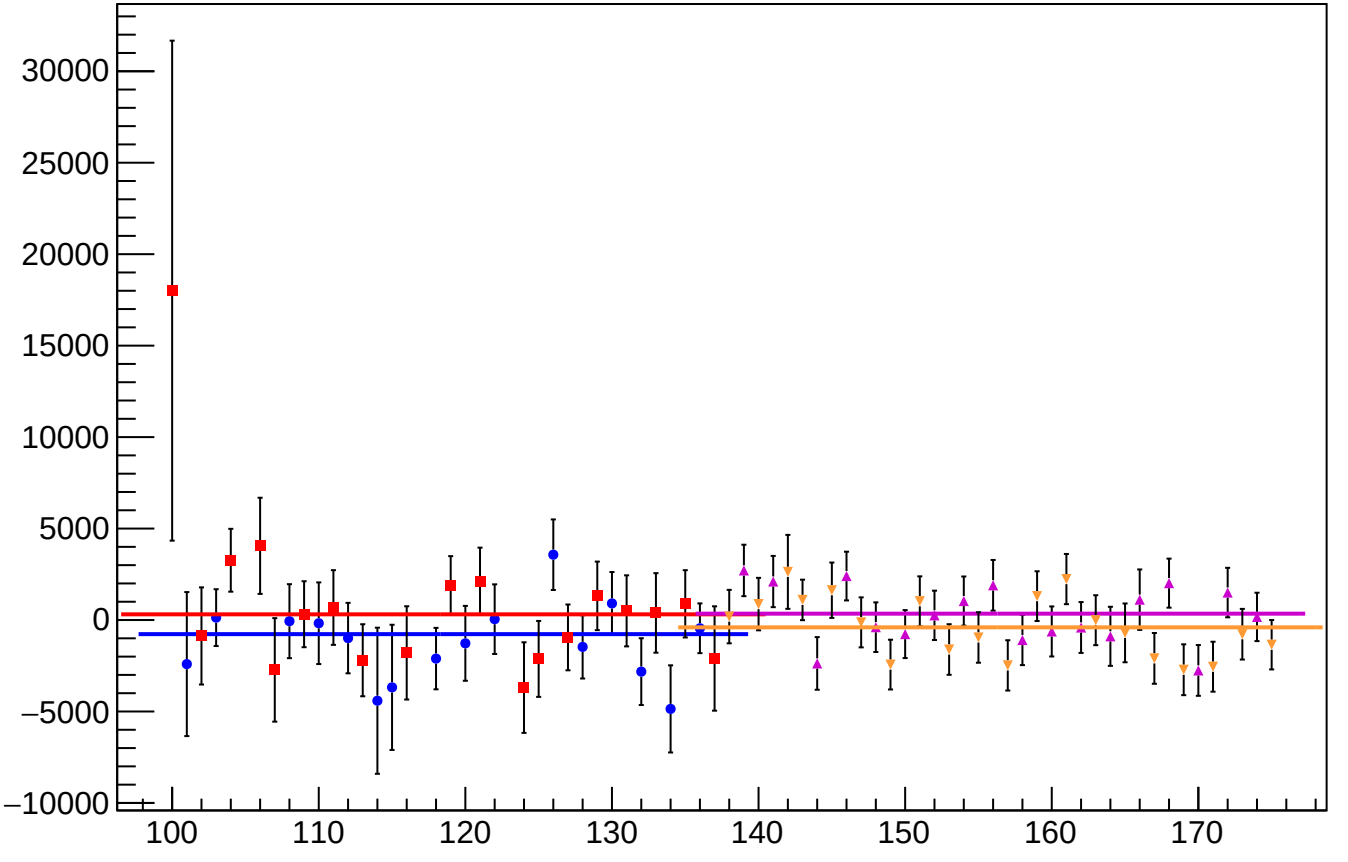
Left In: 278.011+/-0.053 χ^2/NDF:2165200.3/17

+ sign 293.081+/-0.048 χ^2/NDF: 8086324.7/35

All: 294.131+/-0.034 χ^2/NDF: 14943052.7/72

- sign 295.216+/-0.049 χ^2/NDF: 6855751.0/36

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -399.922+/-311.835 χ^2/NDF:26.1/19

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

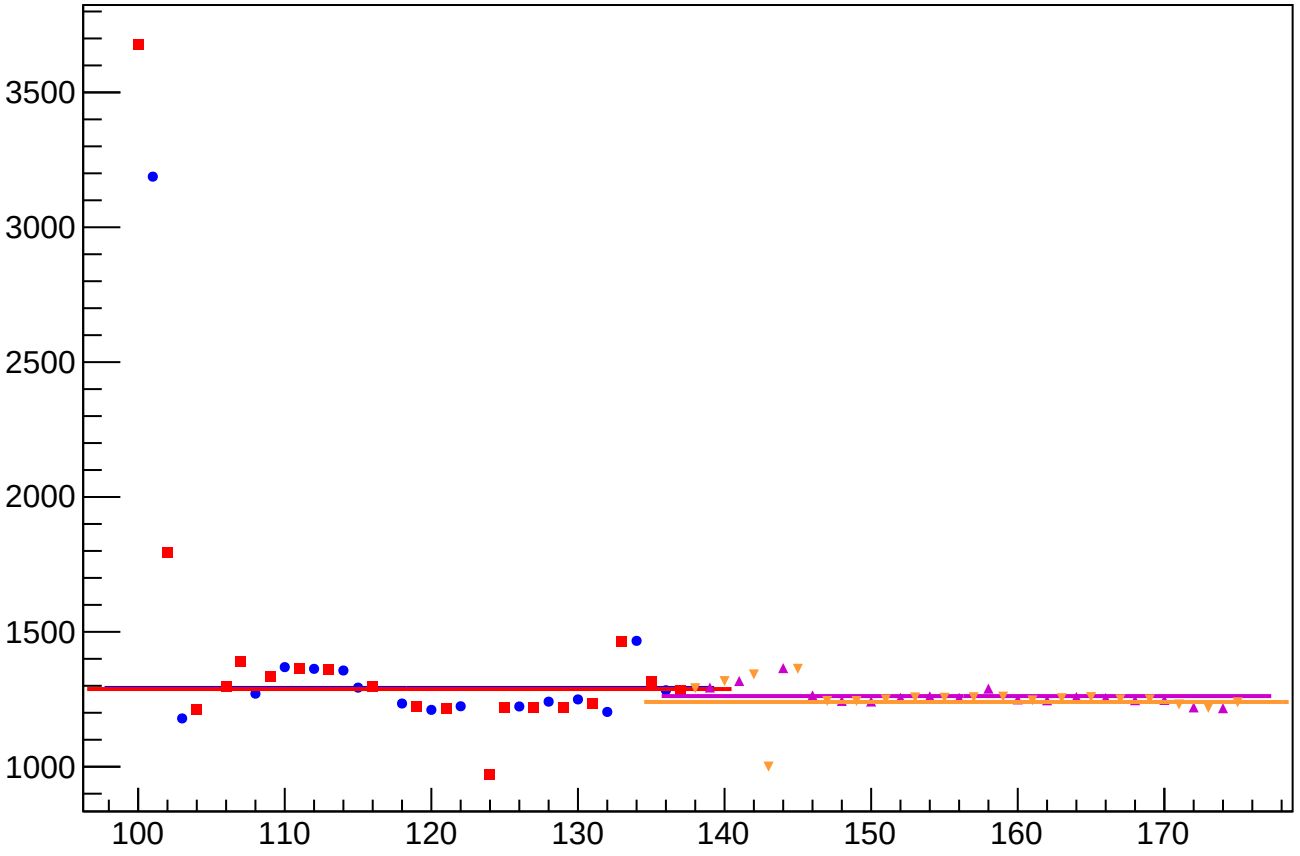
Left In: 347.668+/-327.223 χ^2/NDF:22.9/17

\+ sign -507.156+/-263.018 χ^2/NDF: 40.2/35

All: -97.812+/-188.688 χ^2/NDF: 86.0/72

\- sign 336.252+/-270.843 χ^2/NDF: 40.8/36

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.063+/-0.221 χ^2/NDF:122949.8/19

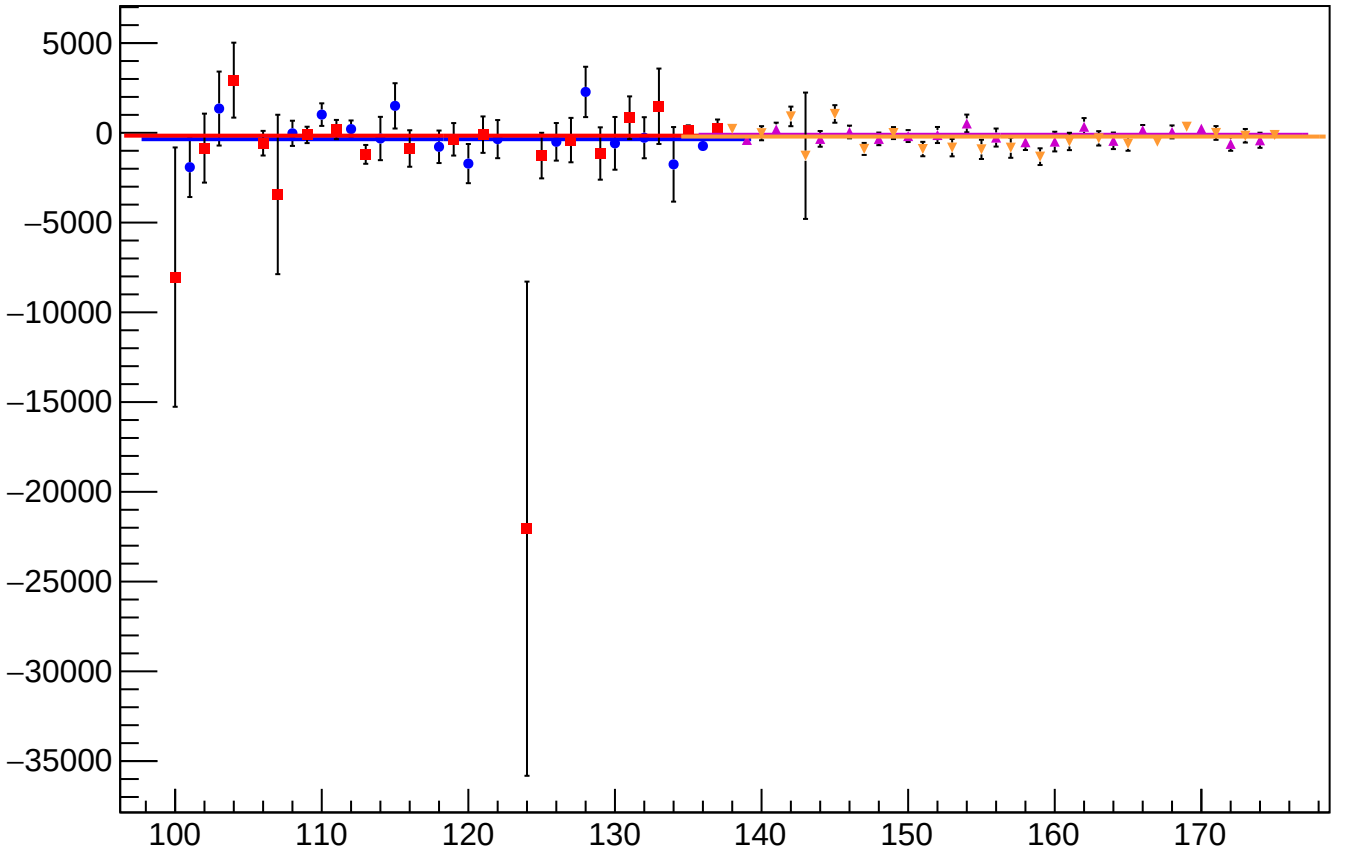
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.887+/-0.231 χ^2/NDF:21446.4/17

+ sign 1255.063+/-0.186 χ^2/NDF: 648390.2/35

All: 1262.364+/-0.133 χ^2/NDF: 886228.4/72

- sign 1270.107+/-0.192 χ^2/NDF: 234662.5/36



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -208.923+/-77.385 χ^2/NDF:39.3/19

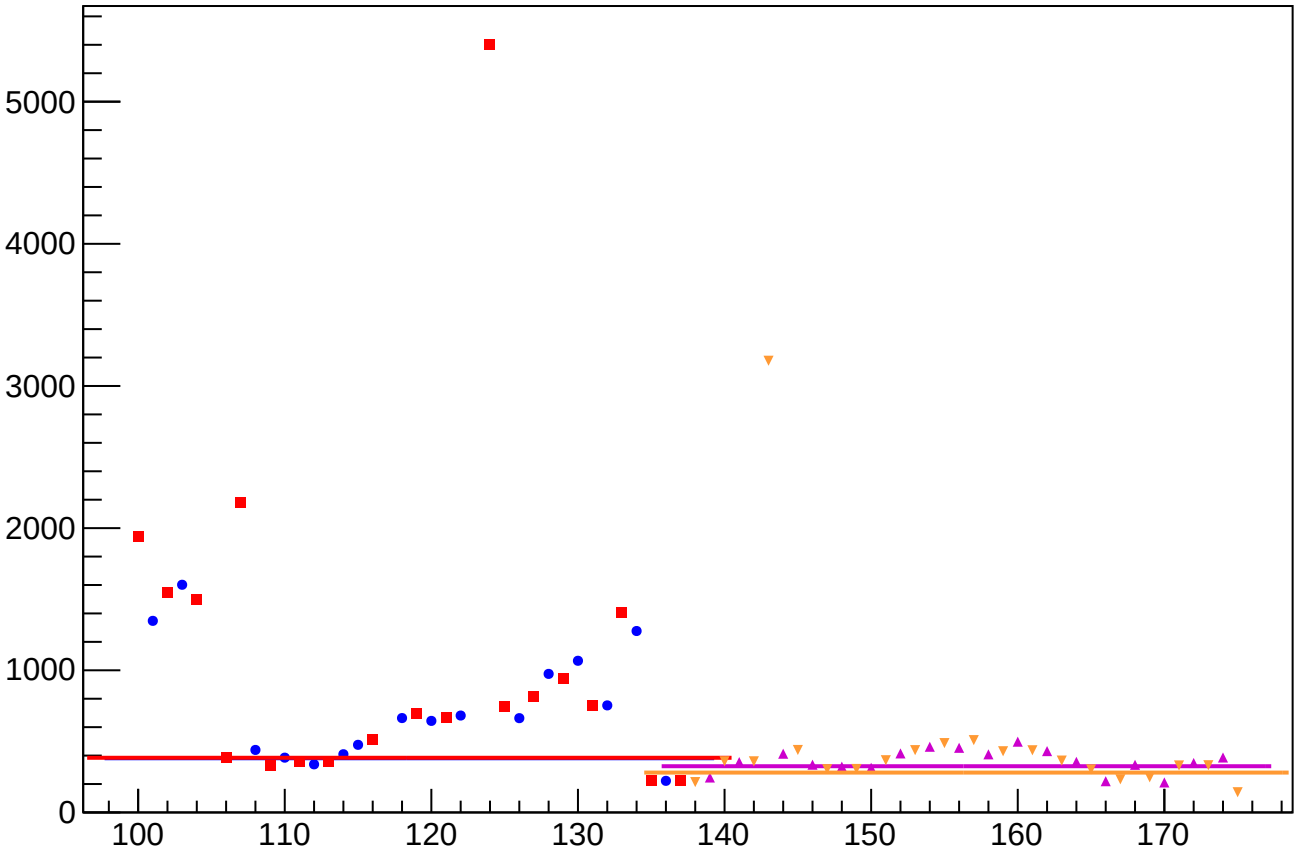
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -109.070+/-87.398 χ^2/NDF:12.4/17

+ sign -234.042+/-70.429 χ^2/NDF: 58.4/35

All: -182.293+/-52.181 χ^2/NDF: 87.8/72

- sign -119.315+/-77.695 χ^2/NDF: 28.3/36



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 280.526+/-0.055 χ^2/NDF:4928292.4/19

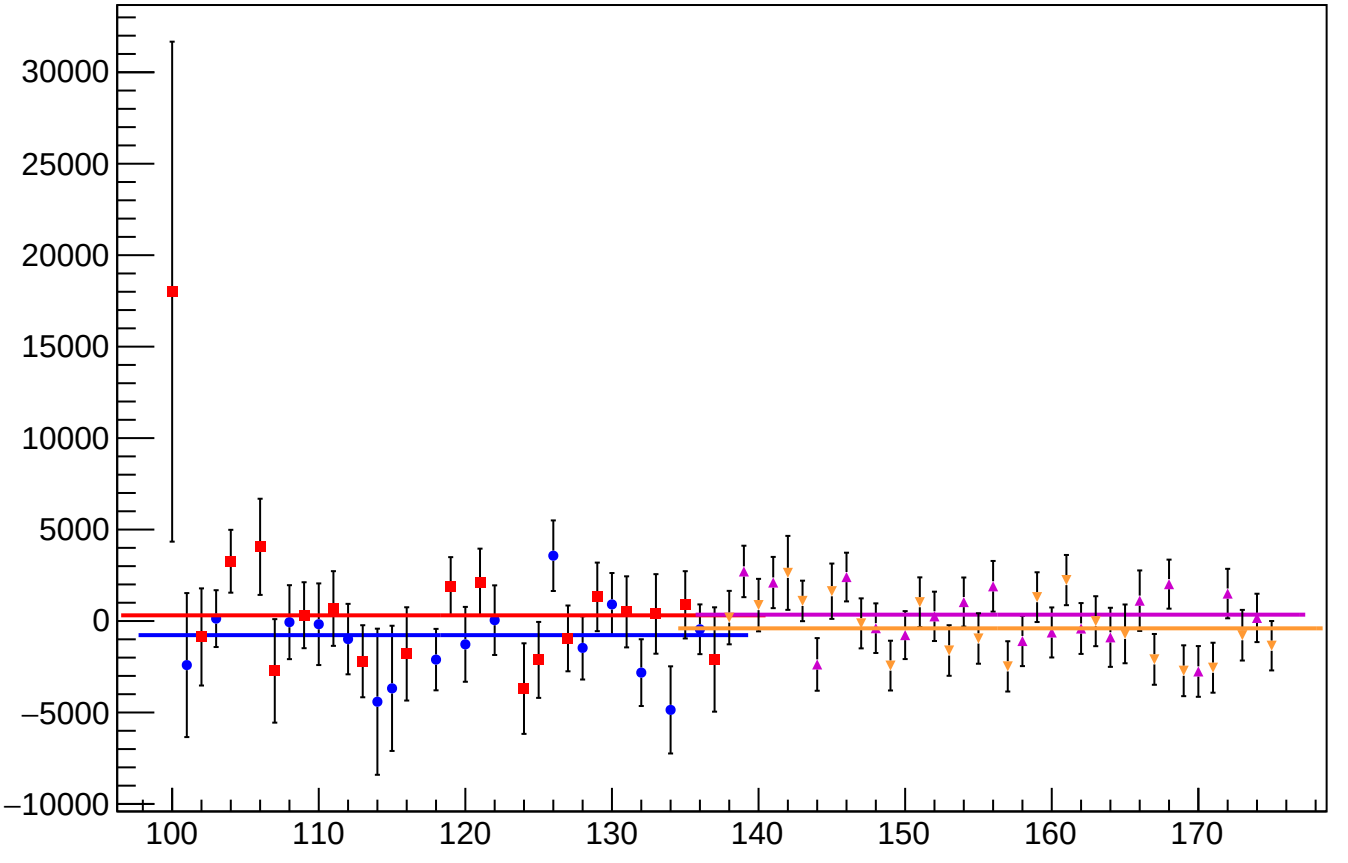
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 325.253+/-0.062 χ^2/NDF:1793354.0/17

+ sign 297.837+/-0.050 χ^2/NDF: 9829110.8/35

All: 315.822+/-0.037 χ^2/NDF: 16665528.5/72

- sign 337.709+/-0.055 χ^2/NDF: 6547279.9/36



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -399.921+/-311.835 χ^2/NDF:26.1/19

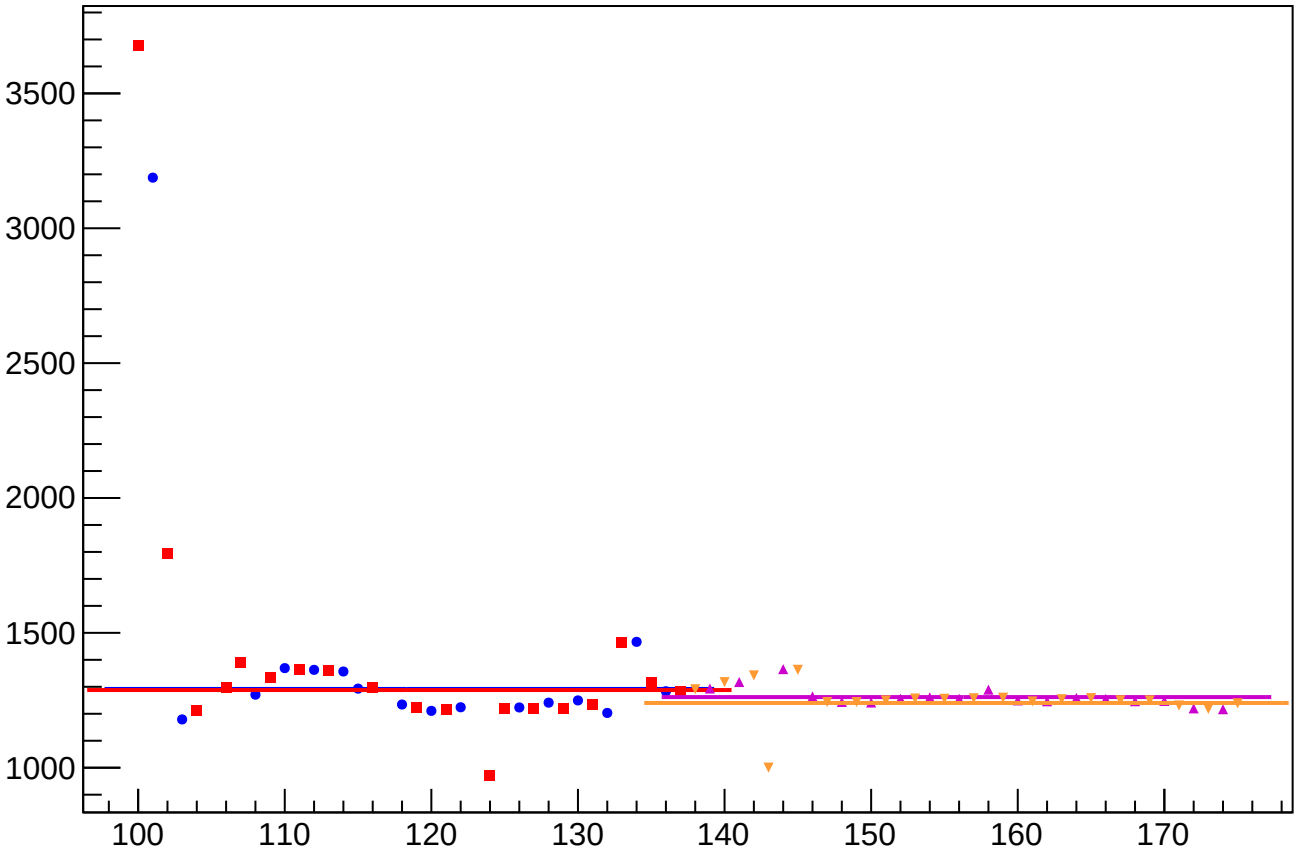
Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: 347.668+/-327.223 χ^2/NDF:22.9/17

\+ sign -507.156+/-263.018 χ^2/NDF: 40.2/35

All: -97.812+/-188.688 χ^2/NDF: 86.0/72

\- sign 336.253+/-270.843 χ^2/NDF: 40.8/36



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.063+/-0.221 χ^2/NDF:122949.0/19

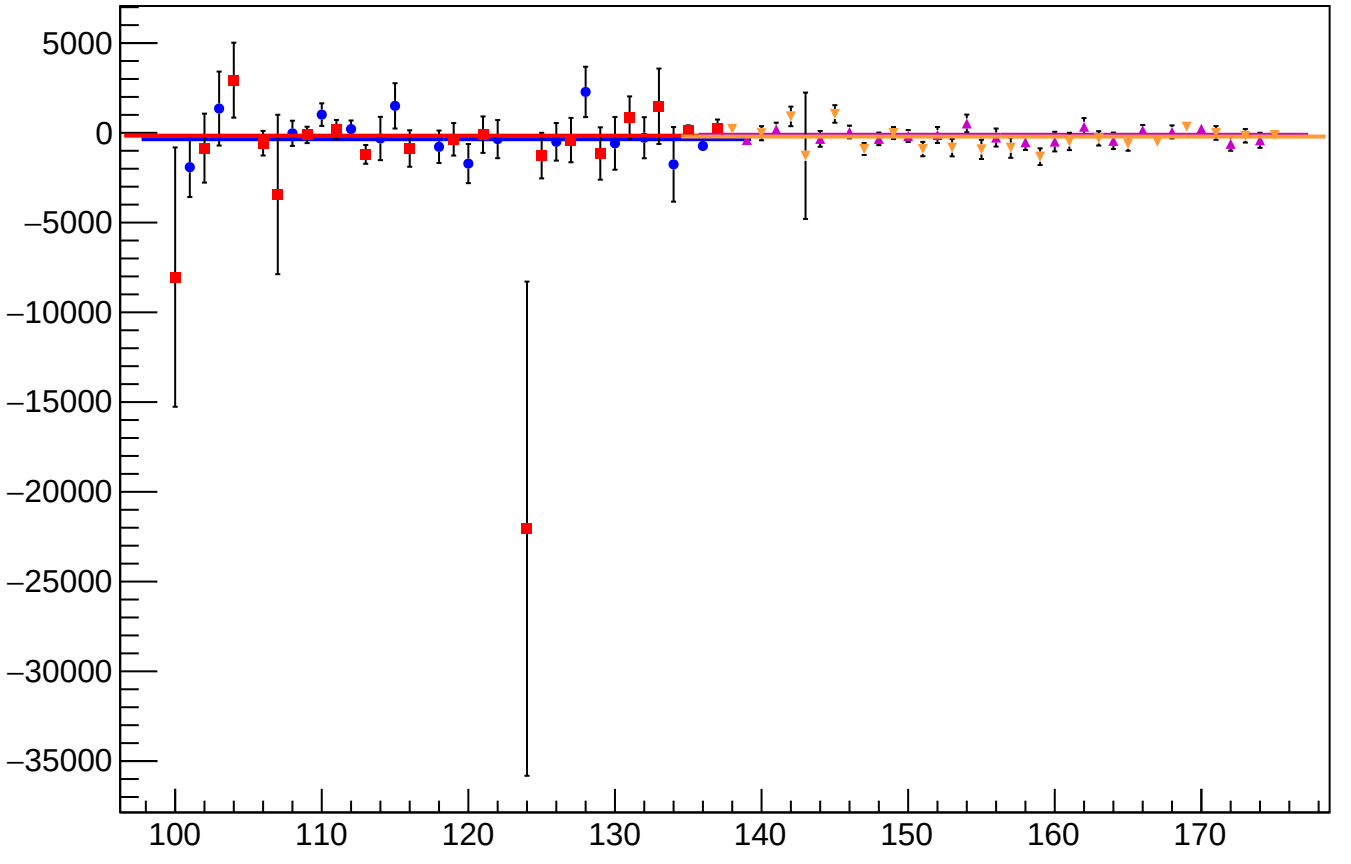
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.887+/-0.231 χ^2/NDF:21446.5/17

+ sign 1255.063+/-0.186 χ^2/NDF: 648389.4/35

All: 1262.364+/-0.133 χ^2/NDF: 886227.9/72

- sign 1270.107+/-0.192 χ^2/NDF: 234662.9/36



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -208.928+/-77.385 χ^2/NDF:39.3/19

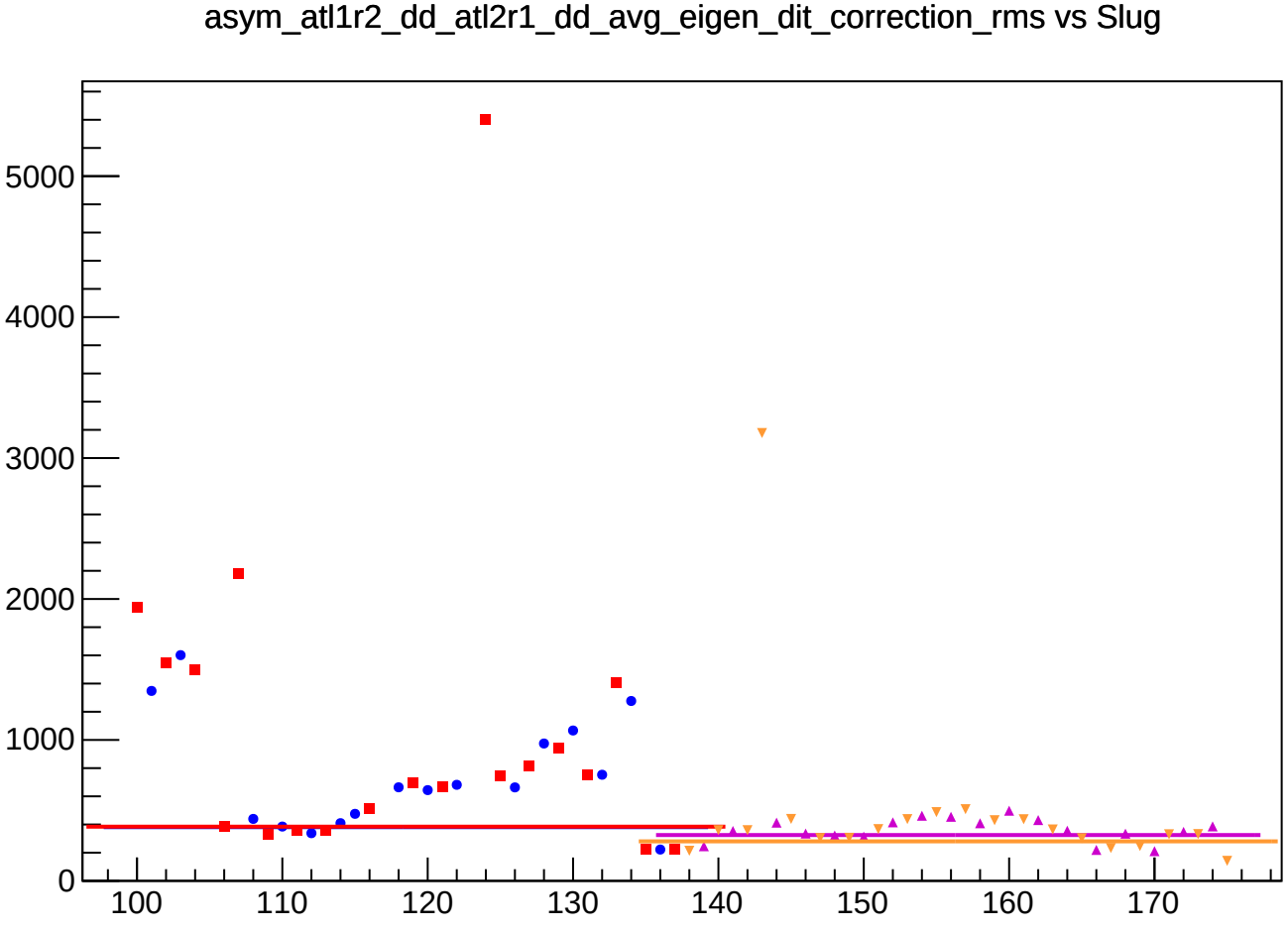
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -109.068+/-87.398 χ^2/NDF:12.4/17

+ sign -234.046+/-70.430 χ^2/NDF: 58.4/35

All: -182.295+/-52.182 χ^2/NDF: 87.8/72

- sign -119.315+/-77.696 χ^2/NDF: 28.3/36



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 280.528+/-0.055 χ^2/NDF:4928206.5/19

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

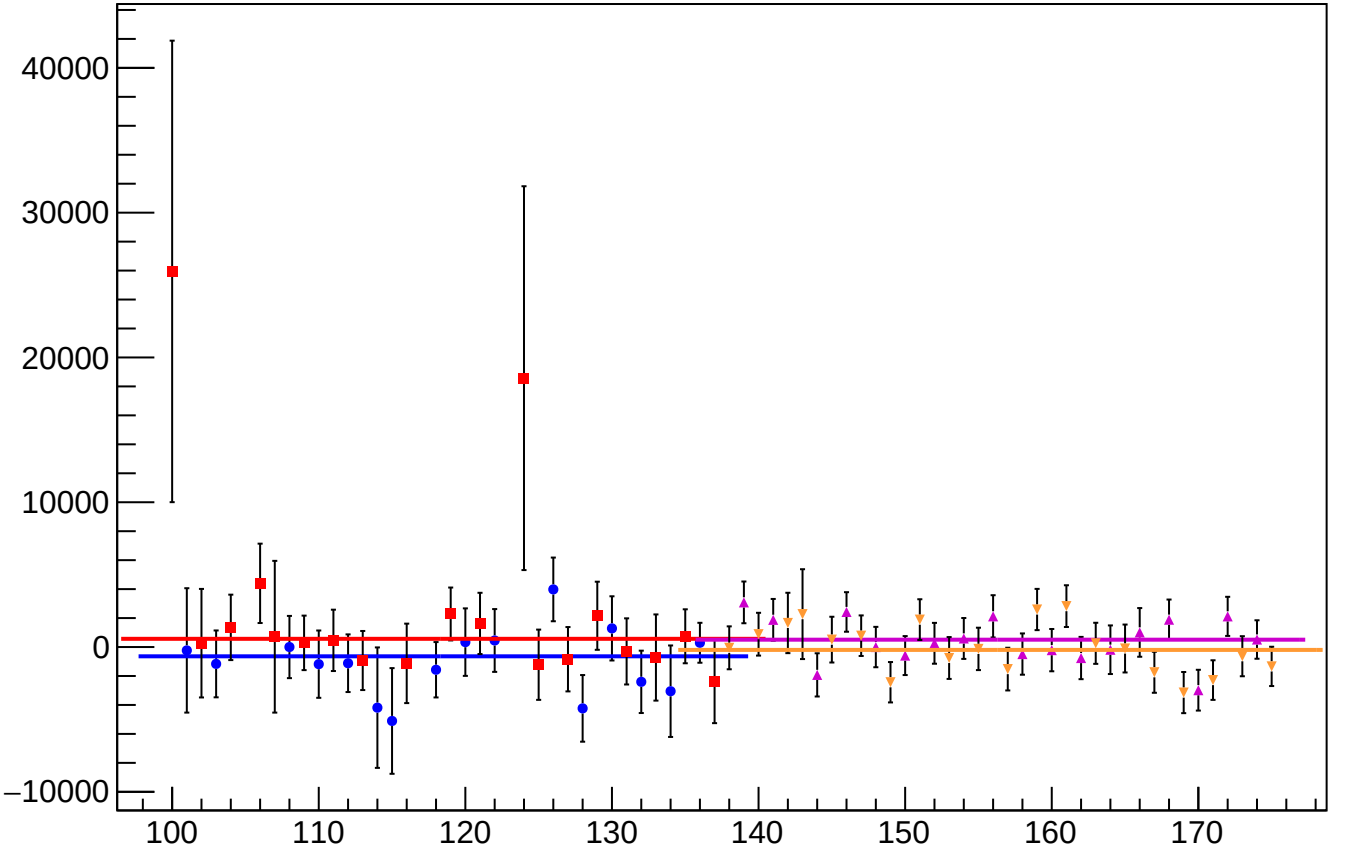
Left In: 325.255+/-0.062 χ^2/NDF:1793288.1/17

+ sign 297.840+/-0.050 χ^2/NDF: 9828917.8/35

All: 315.825+/-0.037 χ^2/NDF: 16665159.2/72

- sign 337.712+/-0.055 χ^2/NDF: 6547111.7/36

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -198.722+/-333.133 χ^2/NDF:25.4/19

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

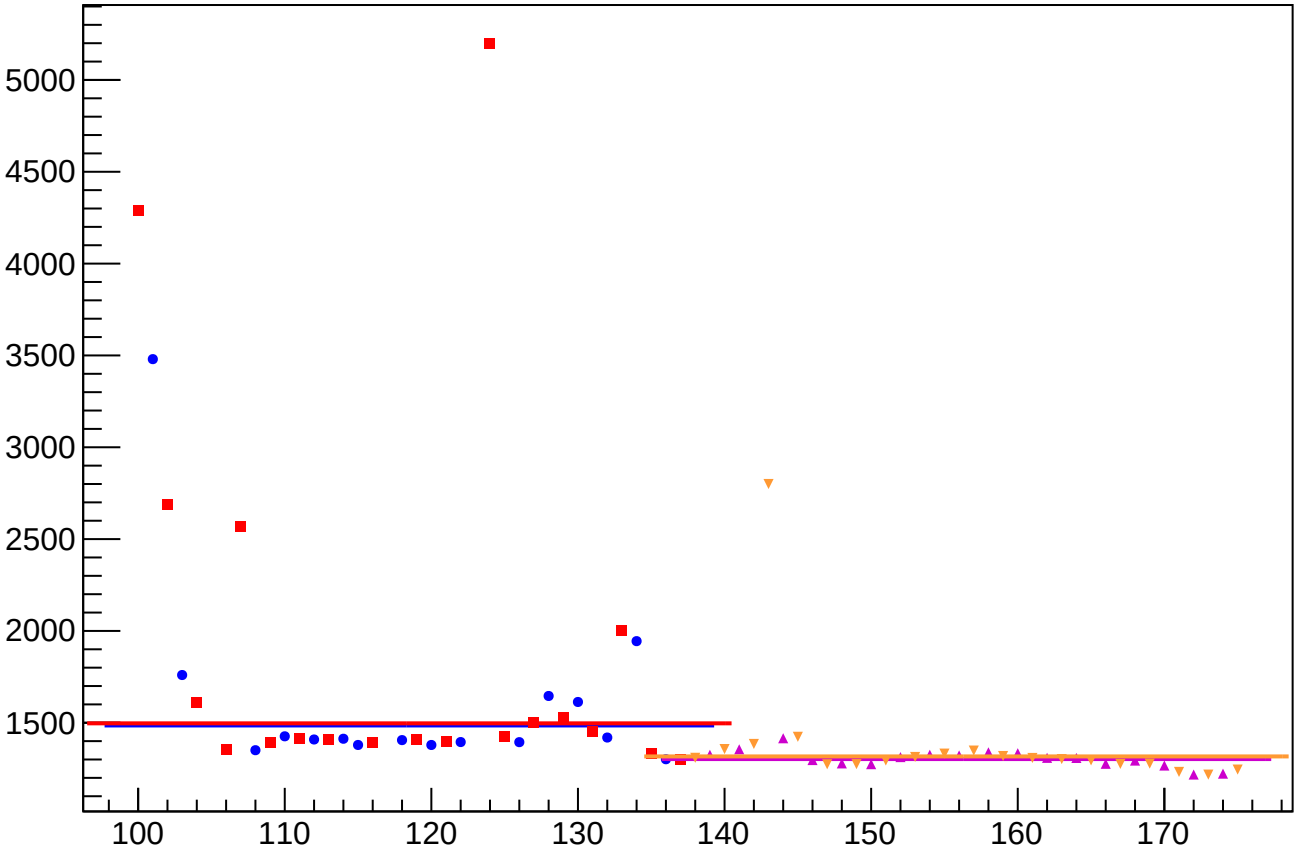
Left In: 507.426+/-337.810 χ^2/NDF:21.1/17

+ sign -312.959+/-286.882 χ^2/NDF: 38.3/35

All: 100.300+/-204.012 χ^2/NDF: 74.9/72

- sign 523.108+/-290.178 χ^2/NDF: 32.4/36

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1316.727+/-0.236 χ^2/NDF:502306.7/19

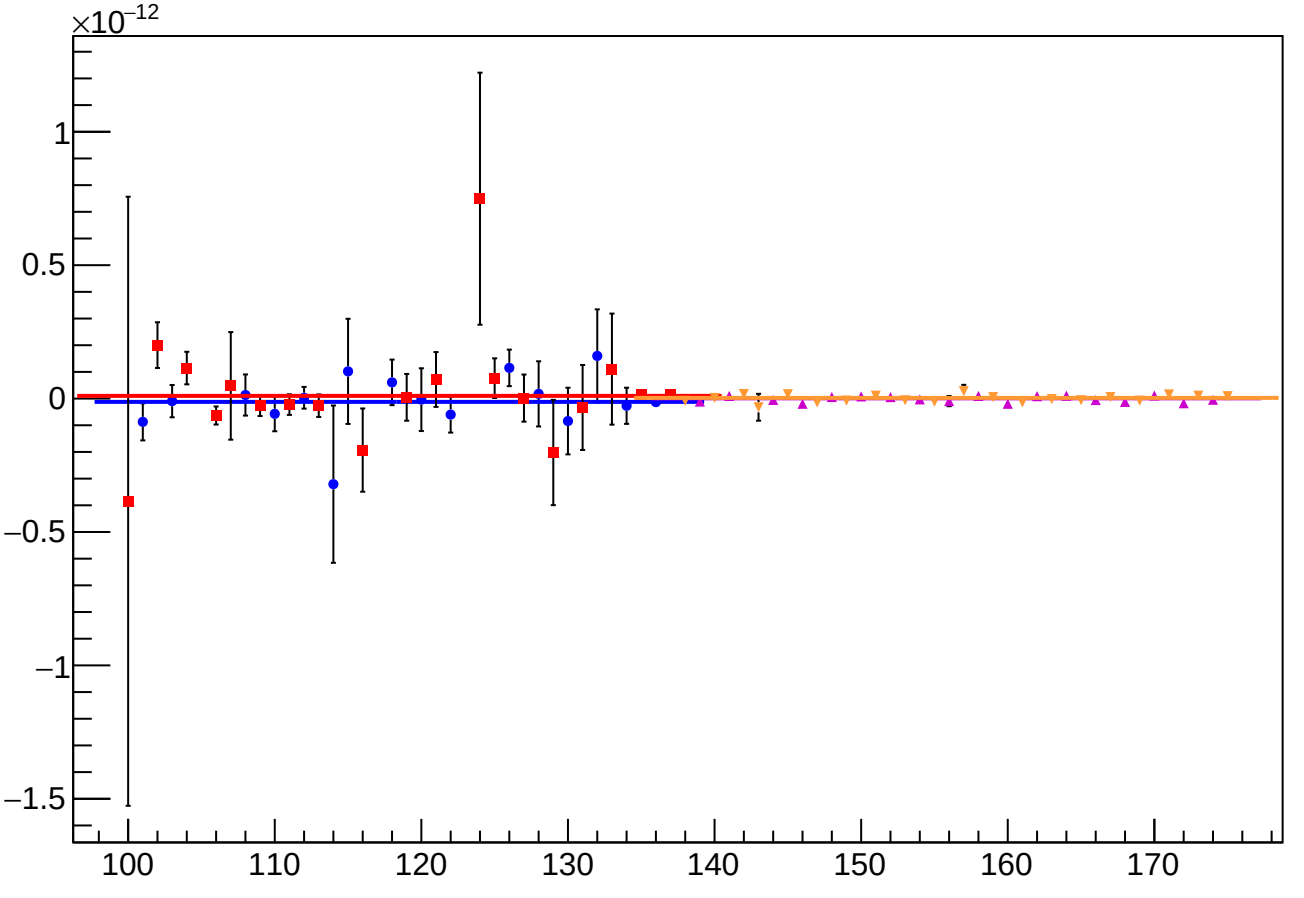
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1302.358+/-0.239 χ^2/NDF:36321.7/17

+ sign 1360.304+/-0.203 χ^2/NDF: 1219216.3/35

All: 1356.864+/-0.144 χ^2/NDF: 2053219.4/72

- sign 1353.344+/-0.205 χ^2/NDF: 833421.2/36



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.9/19

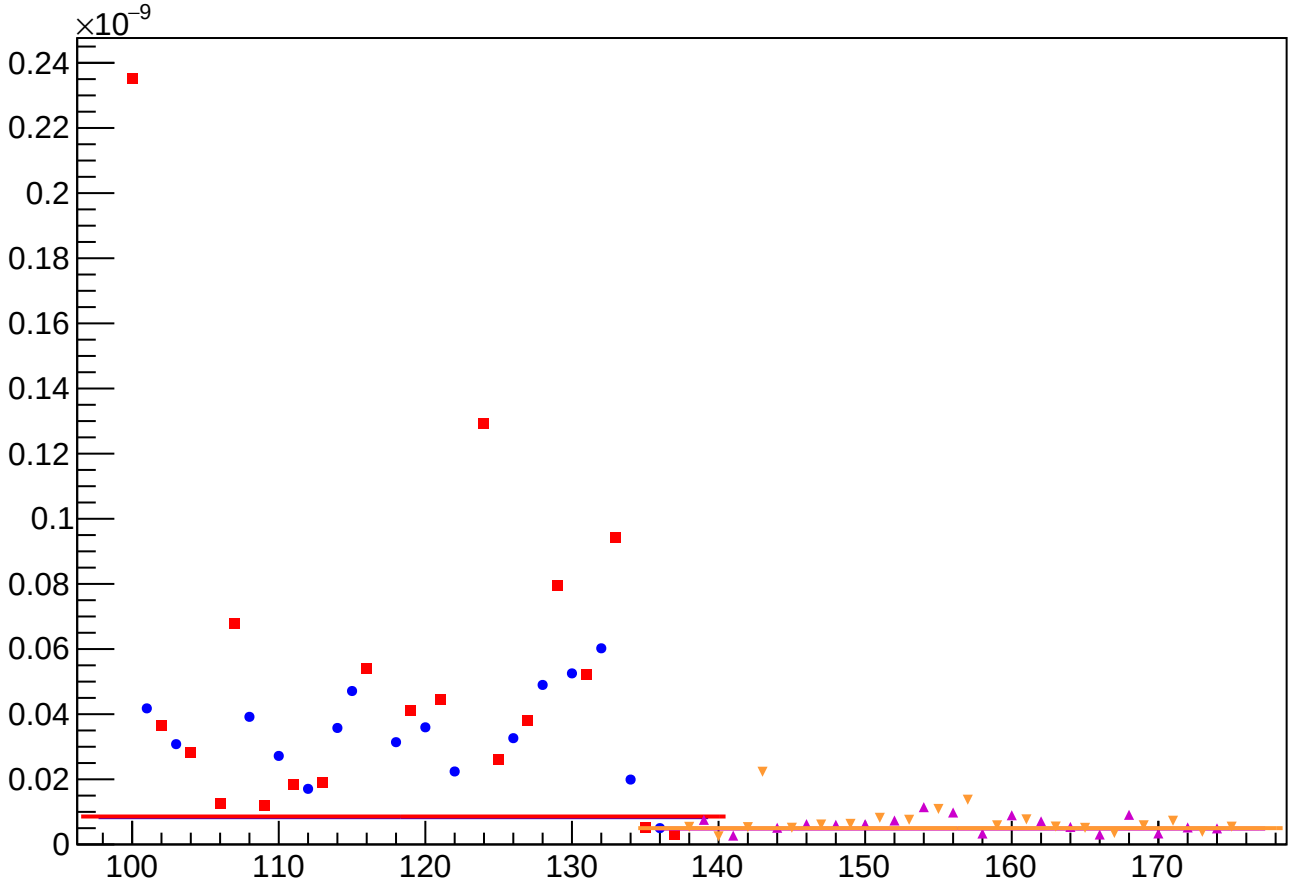
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:21.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 32.1/35

All: 0.000+/-0.000 χ^2/NDF: 77.4/72

- sign 0.000+/-0.000 χ^2/NDF: 45.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1887463.1/19

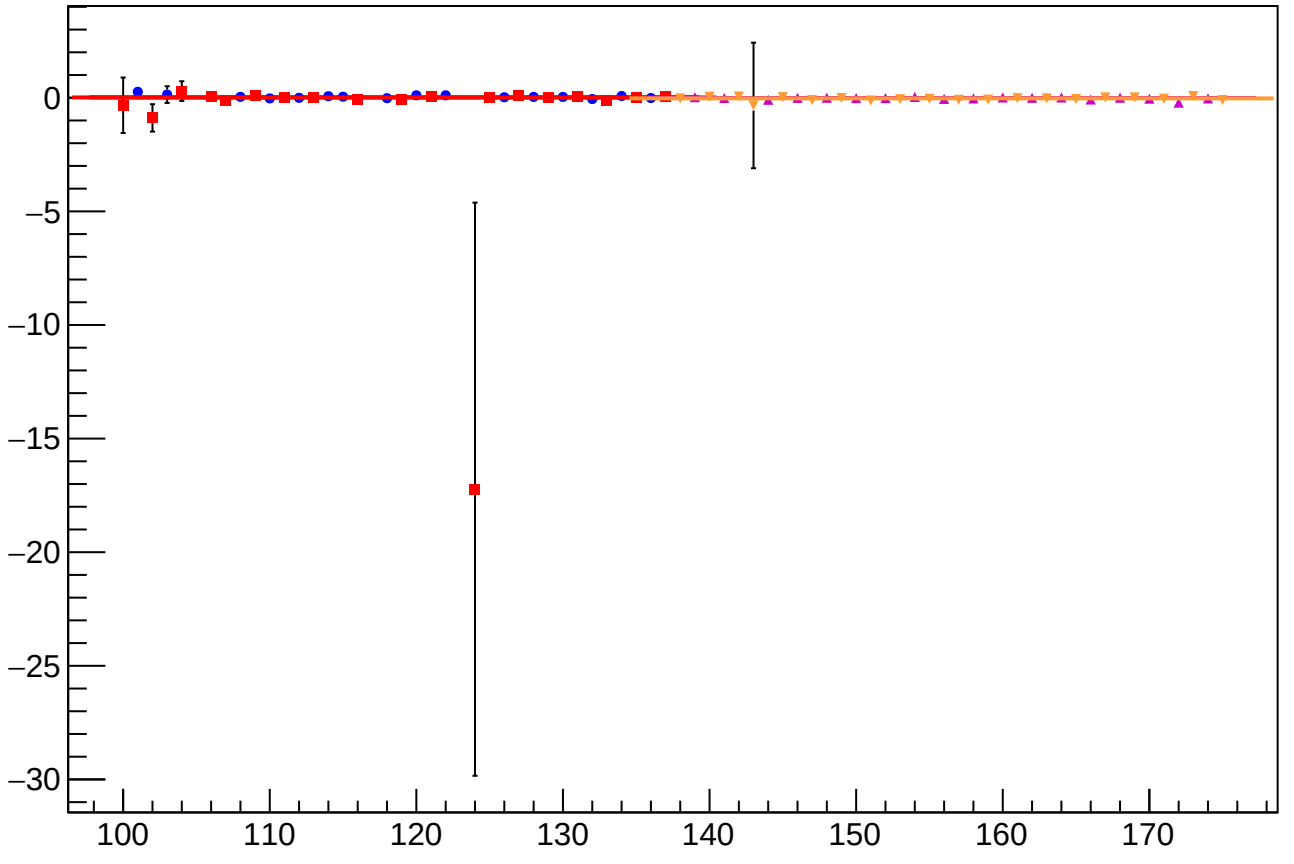
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1690564.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 5328072.6/35

All: 0.000+/-0.000 χ^2/NDF: 10769861.1/72

- sign 0.000+/-0.000 χ^2/NDF: 5437672.2/36



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

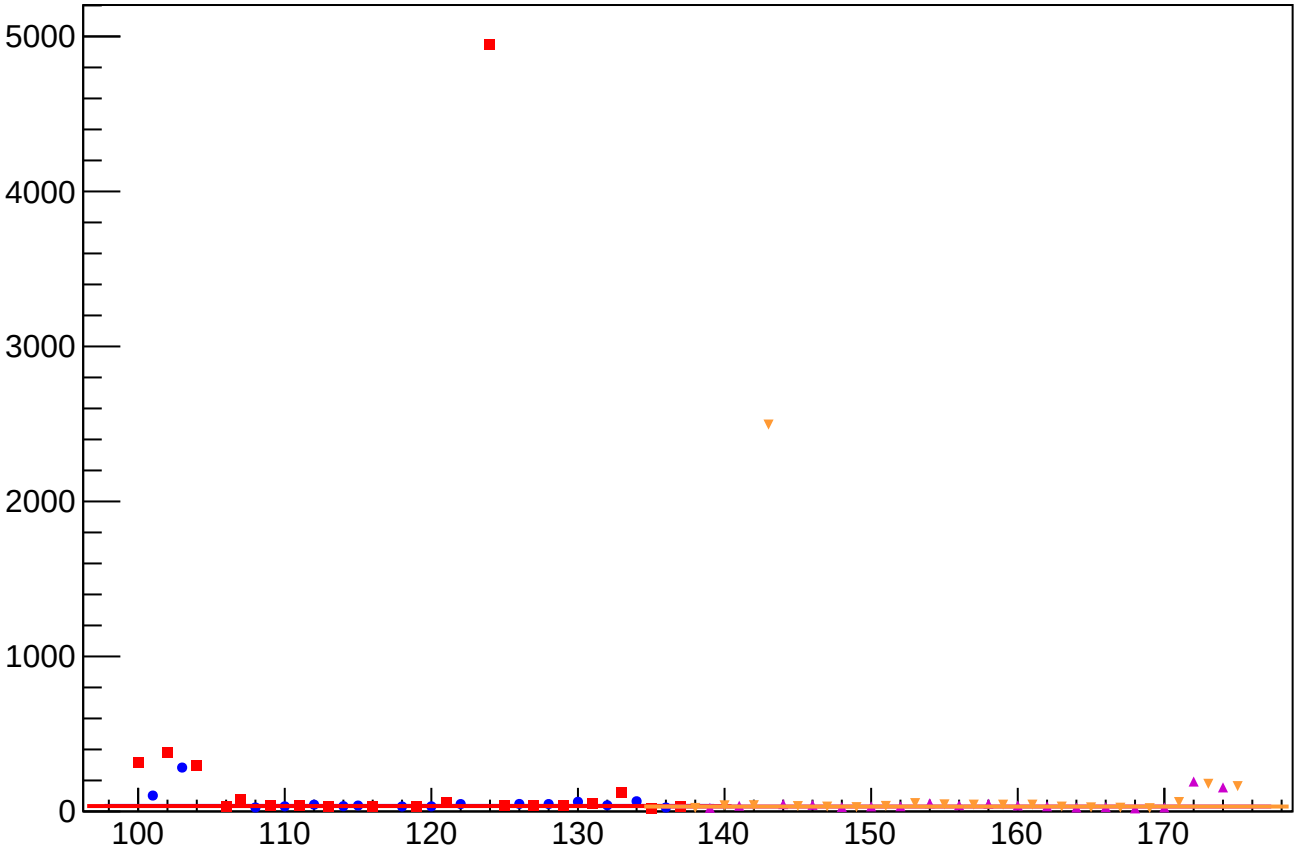
Left In: -0.011+/-0.010 χ^2/NDF:10.7/17

+ sign -0.015+/-0.008 χ^2/NDF: 41.2/35

All: -0.010+/-0.006 χ^2/NDF: 70.6/72

- sign -0.005+/-0.008 χ^2/NDF: 28.6/36

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318511.7/19

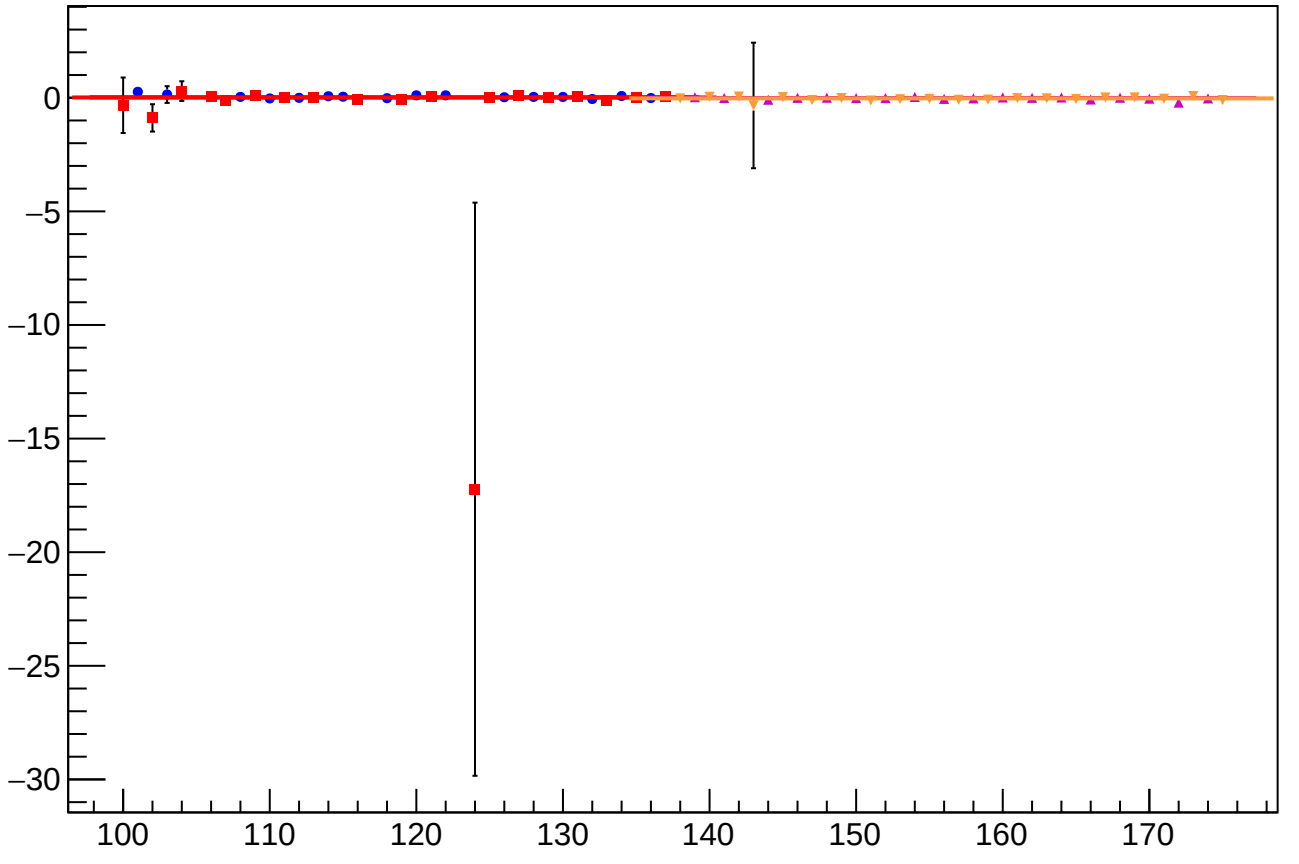
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.832+/-0.007 χ^2/NDF:3762182.0/17

+ sign 32.798+/-0.006 χ^2/NDF: 7683643.2/35

All: 32.716+/-0.004 χ^2/NDF: 14412918.8/72

- sign 32.634+/-0.006 χ^2/NDF: 6728872.4/36



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

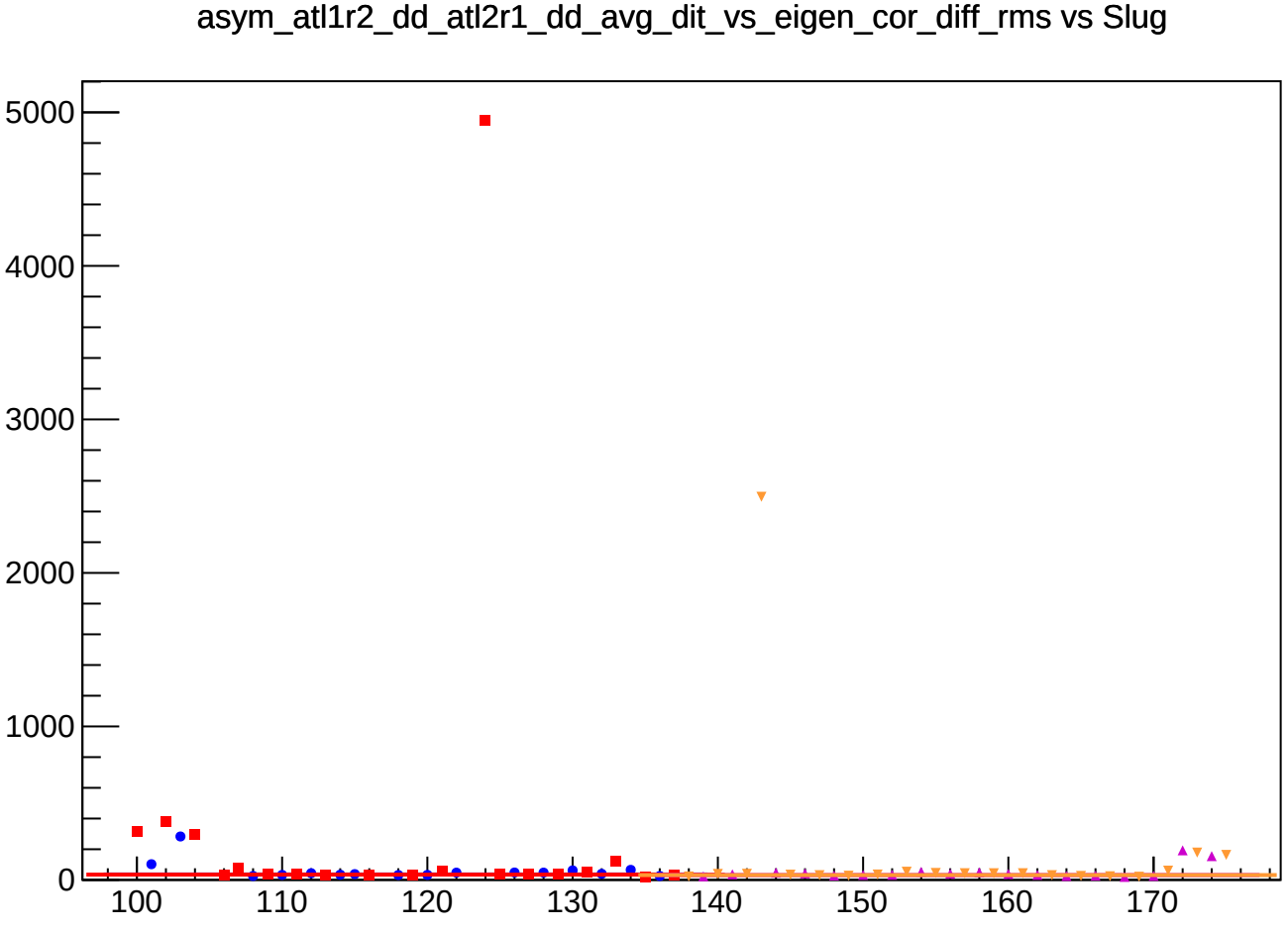
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:10.7/17

+ sign -0.015+/-0.008 χ^2/NDF: 41.2/35

All: -0.010+/-0.006 χ^2/NDF: 70.6/72

- sign -0.005+/-0.008 χ^2/NDF: 28.6/36



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318511.7/19

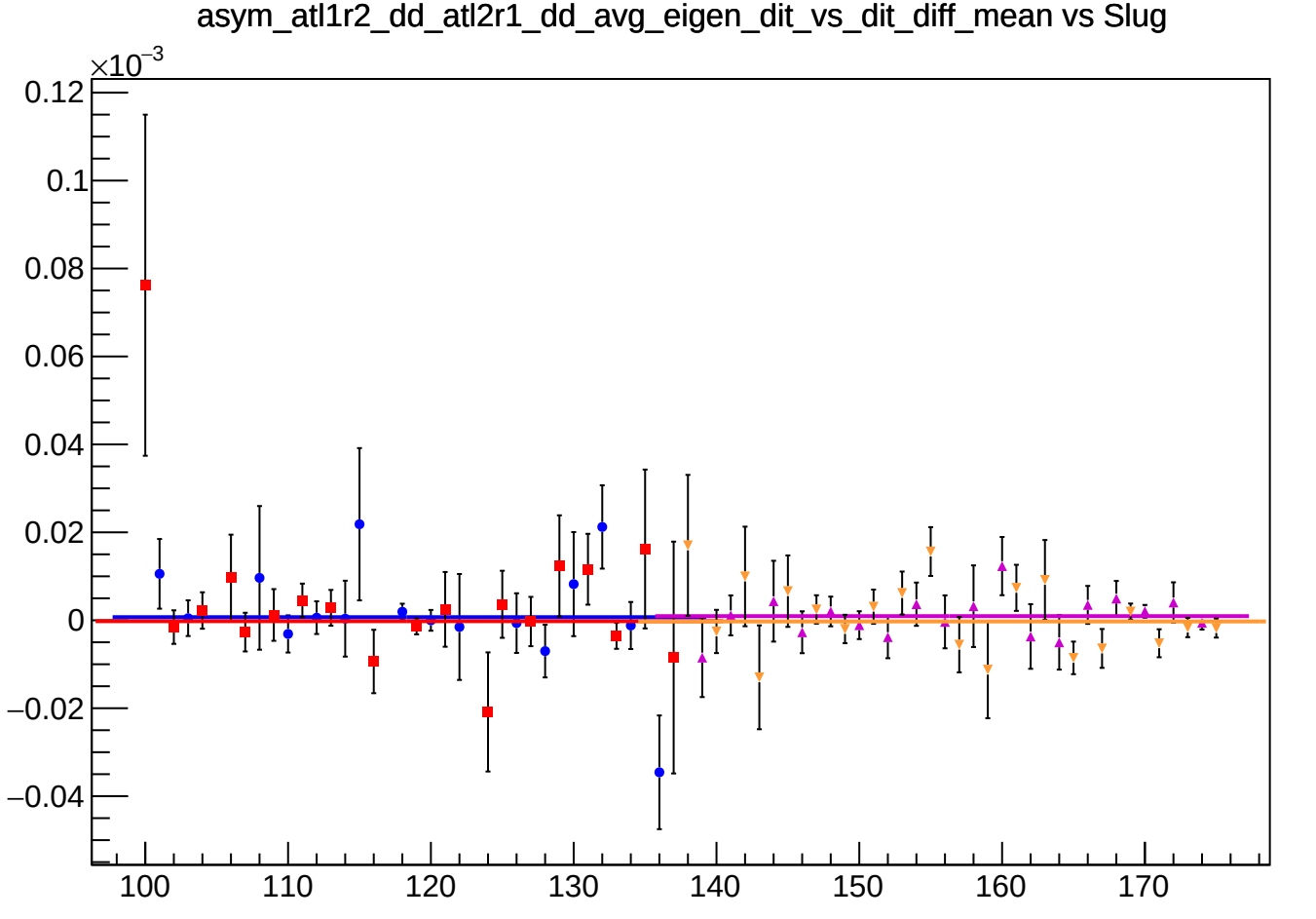
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.832+/-0.007 χ^2/NDF:3762182.0/17

+ sign 32.798+/-0.006 χ^2/NDF: 7683643.2/35

All: 32.716+/-0.004 χ^2/NDF: 14412918.8/72

- sign 32.634+/-0.006 χ^2/NDF: 6728872.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.4/19

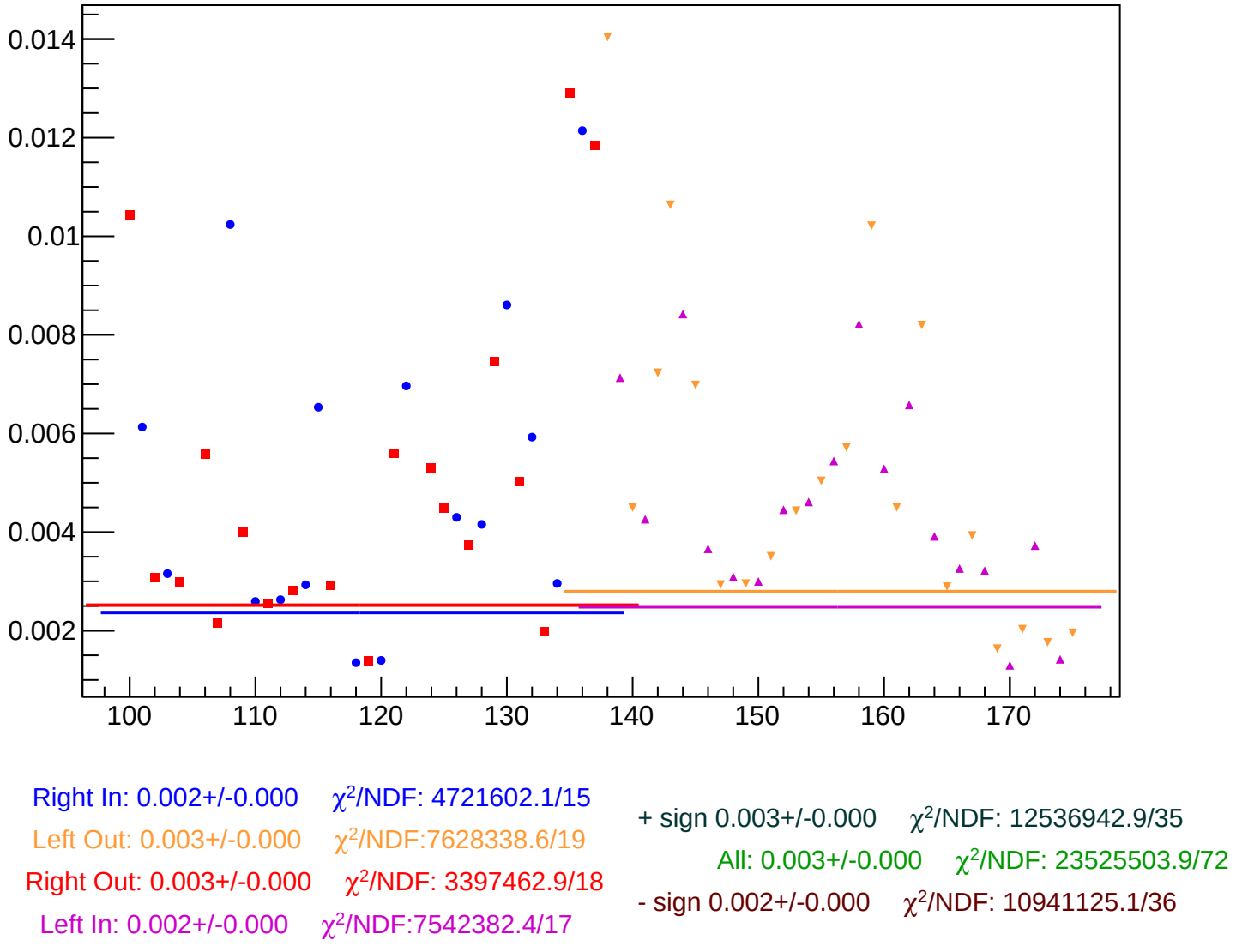
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

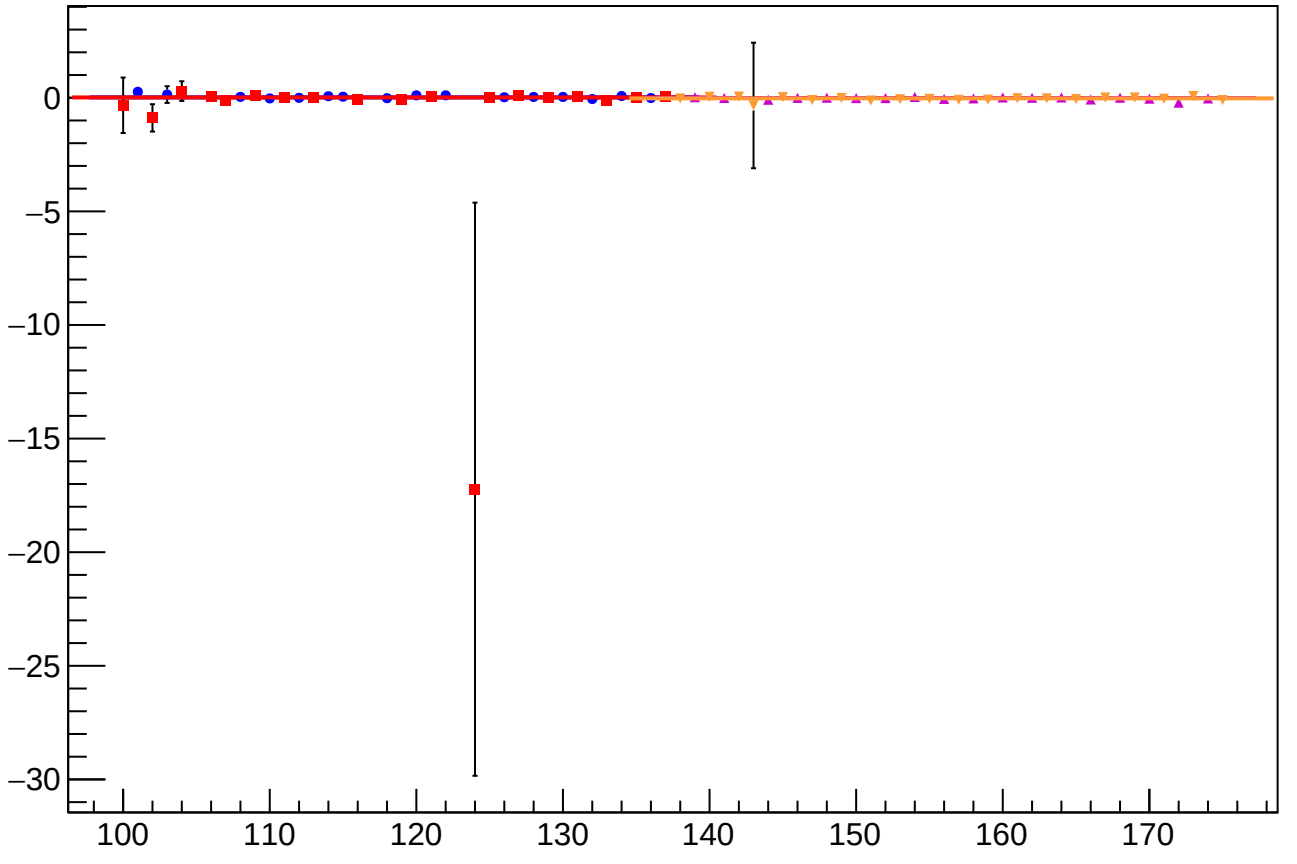
Left In: 0.000+/-0.000 χ^2/NDF:11.4/17

\+ sign 0.000+/-0.000 χ^2/NDF: 52.0/35

All: 0.000+/-0.000 χ^2/NDF: 82.5/72

\- sign 0.000+/-0.000 χ^2/NDF: 30.2/36


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.003+/-0.000 χ²/NDF:7628338.6/19
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.002+/-0.000 χ²/NDF:7542382.4/17
+ sign 0.003+/-0.000 χ²/NDF: 12536942.9/35
All: 0.003+/-0.000 χ²/NDF: 23525503.9/72
- sign 0.002+/-0.000 χ²/NDF: 10941125.1/36



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

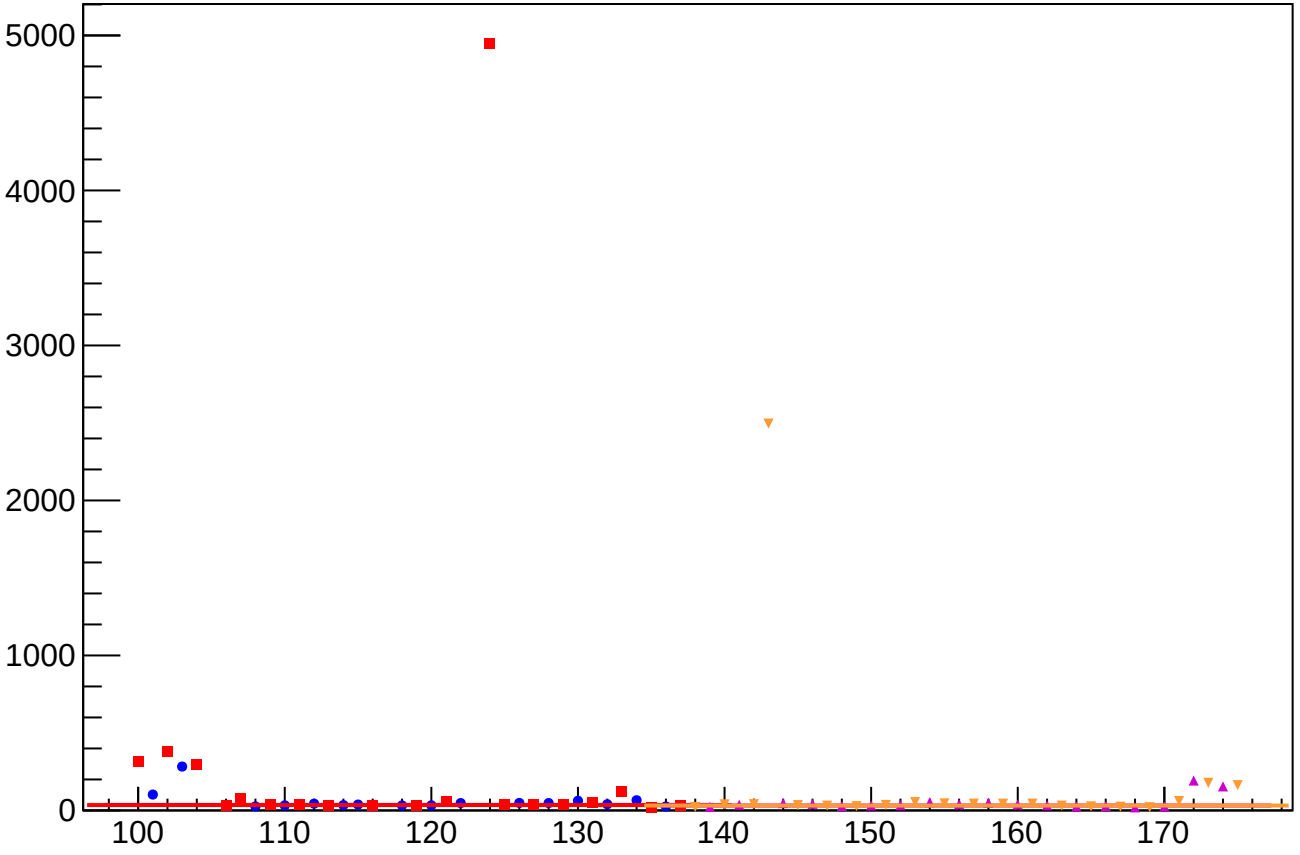
Left In: -0.011+/-0.010 χ^2/NDF:10.7/17

+ sign -0.015+/-0.008 χ^2/NDF: 41.2/35

All: -0.010+/-0.006 χ^2/NDF: 70.7/72

- sign -0.005+/-0.008 χ^2/NDF: 28.6/36

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: 31.676+/-0.007 χ^2/NDF:5318765.4/19

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

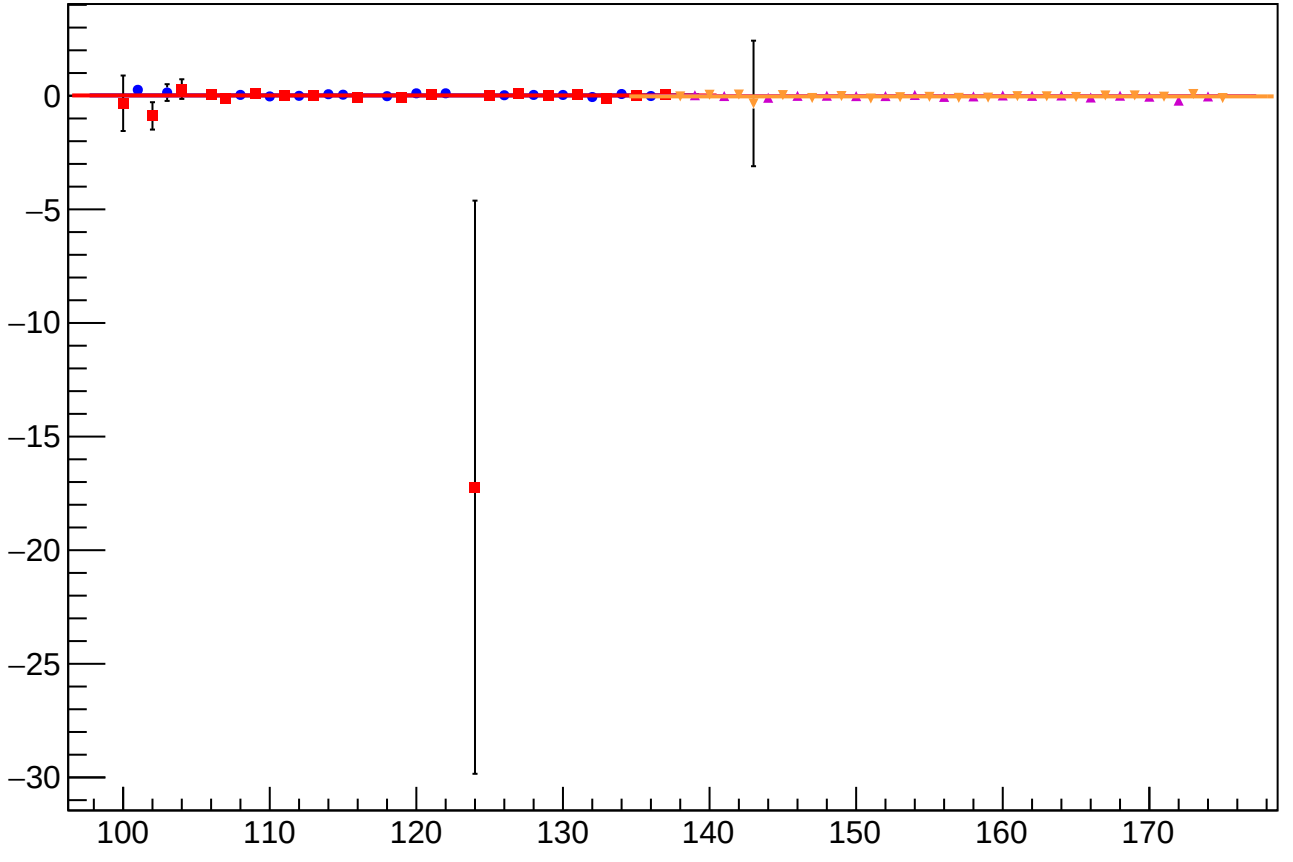
Left In: 31.830+/-0.007 χ^2/NDF:3762760.2/17

+ sign 32.798+/-0.006 χ^2/NDF: 7683701.7/35

All: 32.716+/-0.004 χ^2/NDF: 14413463.3/72

- sign 32.634+/-0.006 χ^2/NDF: 6729353.7/36

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

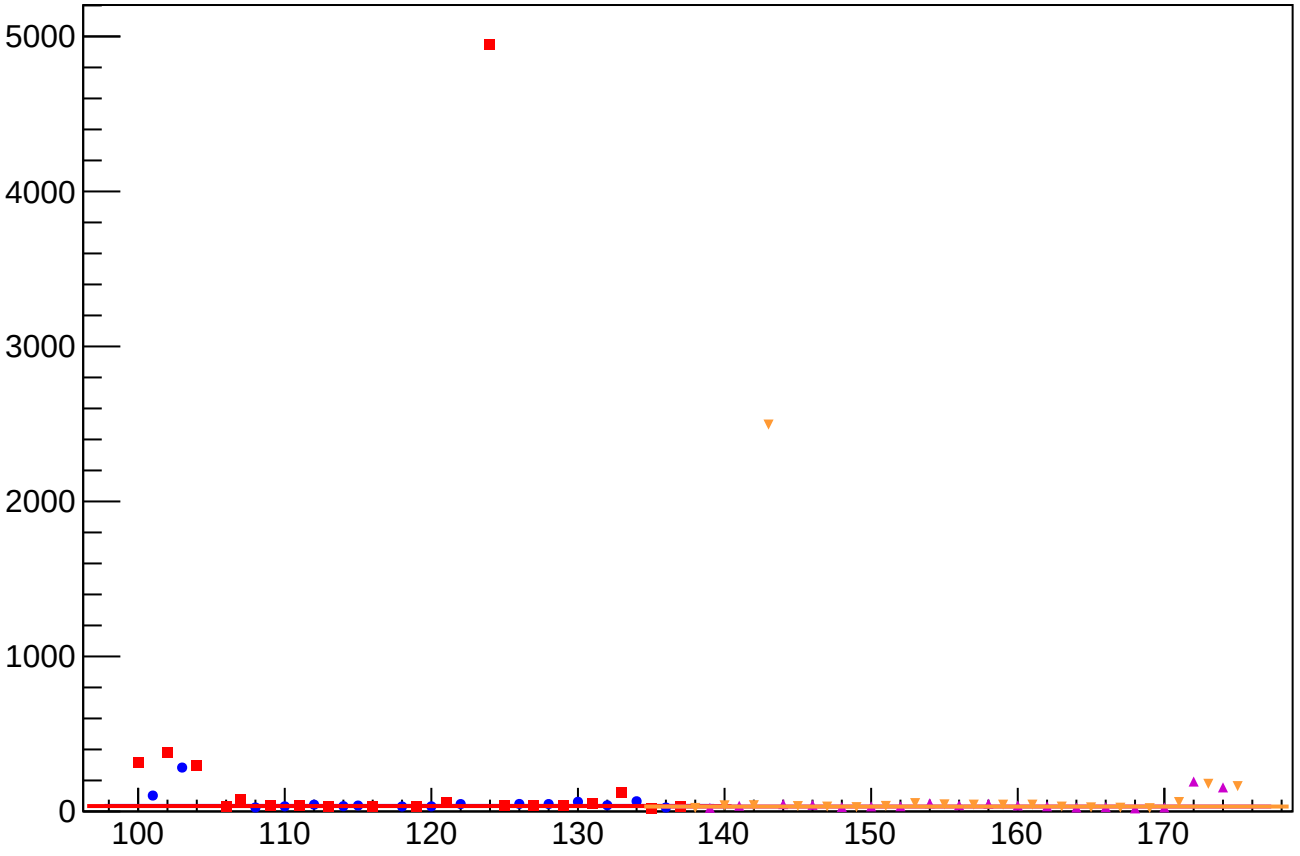
Left In: -0.011+/-0.010 χ^2/NDF:10.7/17

+ sign -0.015+/-0.008 χ^2/NDF: 41.2/35

All: -0.010+/-0.006 χ^2/NDF: 70.7/72

- sign -0.005+/-0.008 χ^2/NDF: 28.6/36

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318765.4/19

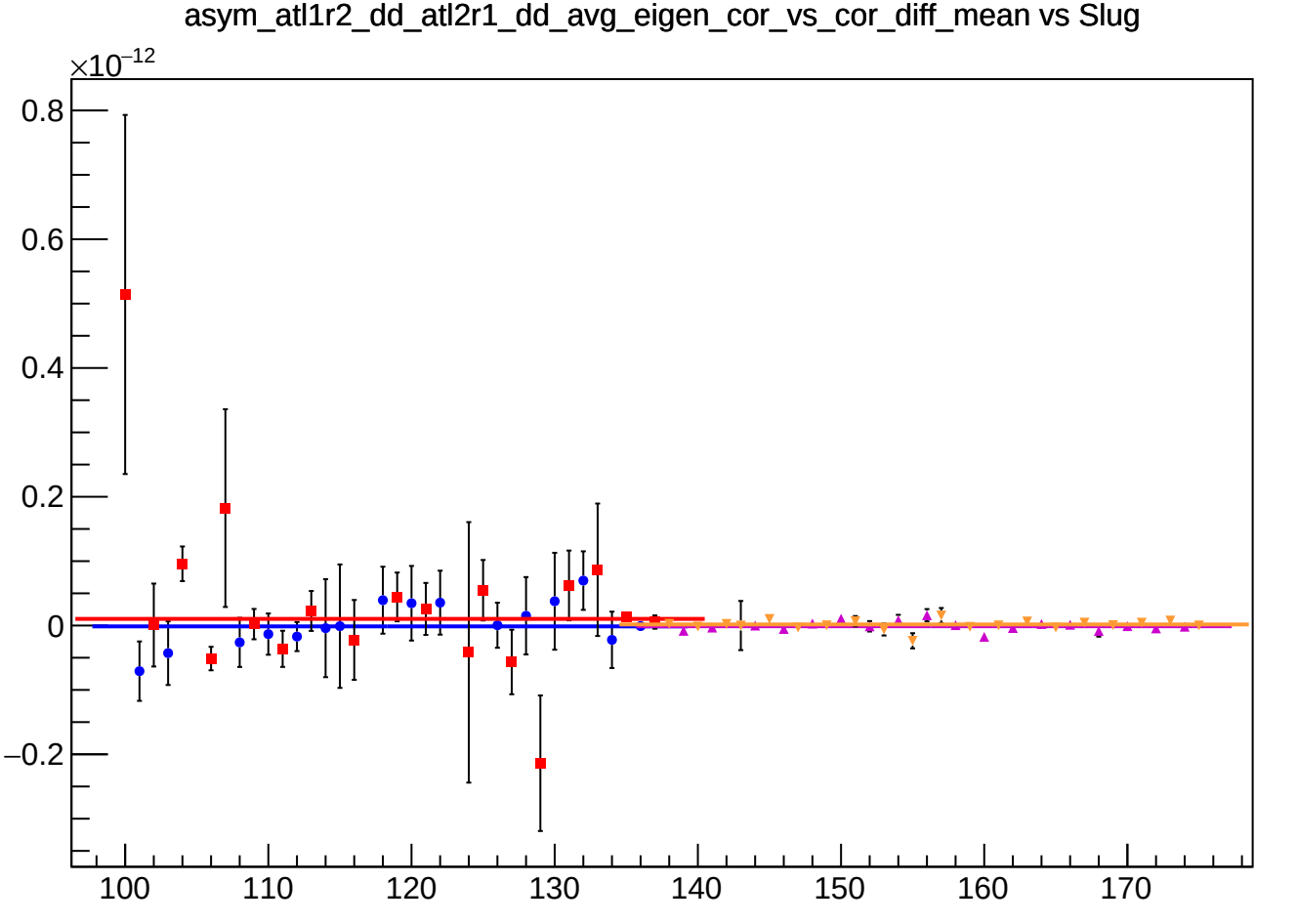
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.830+/-0.007 χ^2/NDF:3762760.2/17

+ sign 32.798+/-0.006 χ^2/NDF: 7683701.7/35

All: 32.716+/-0.004 χ^2/NDF: 14413463.3/72

- sign 32.634+/-0.006 χ^2/NDF: 6729353.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/19

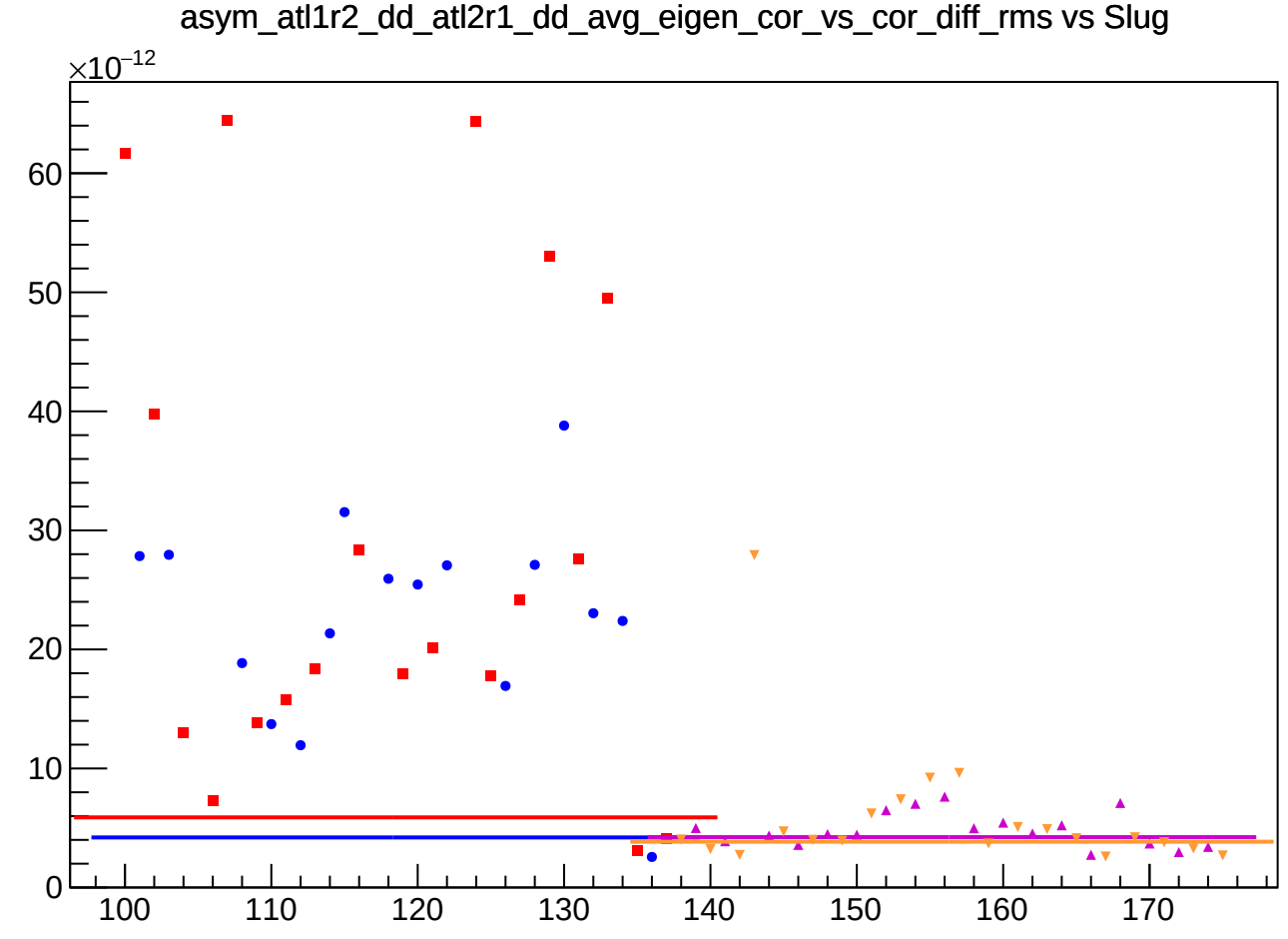
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:19.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 24.2/35

All: 0.000+/-0.000 χ^2/NDF: 90.4/72

- sign -0.000+/-0.000 χ^2/NDF: 65.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2929001.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

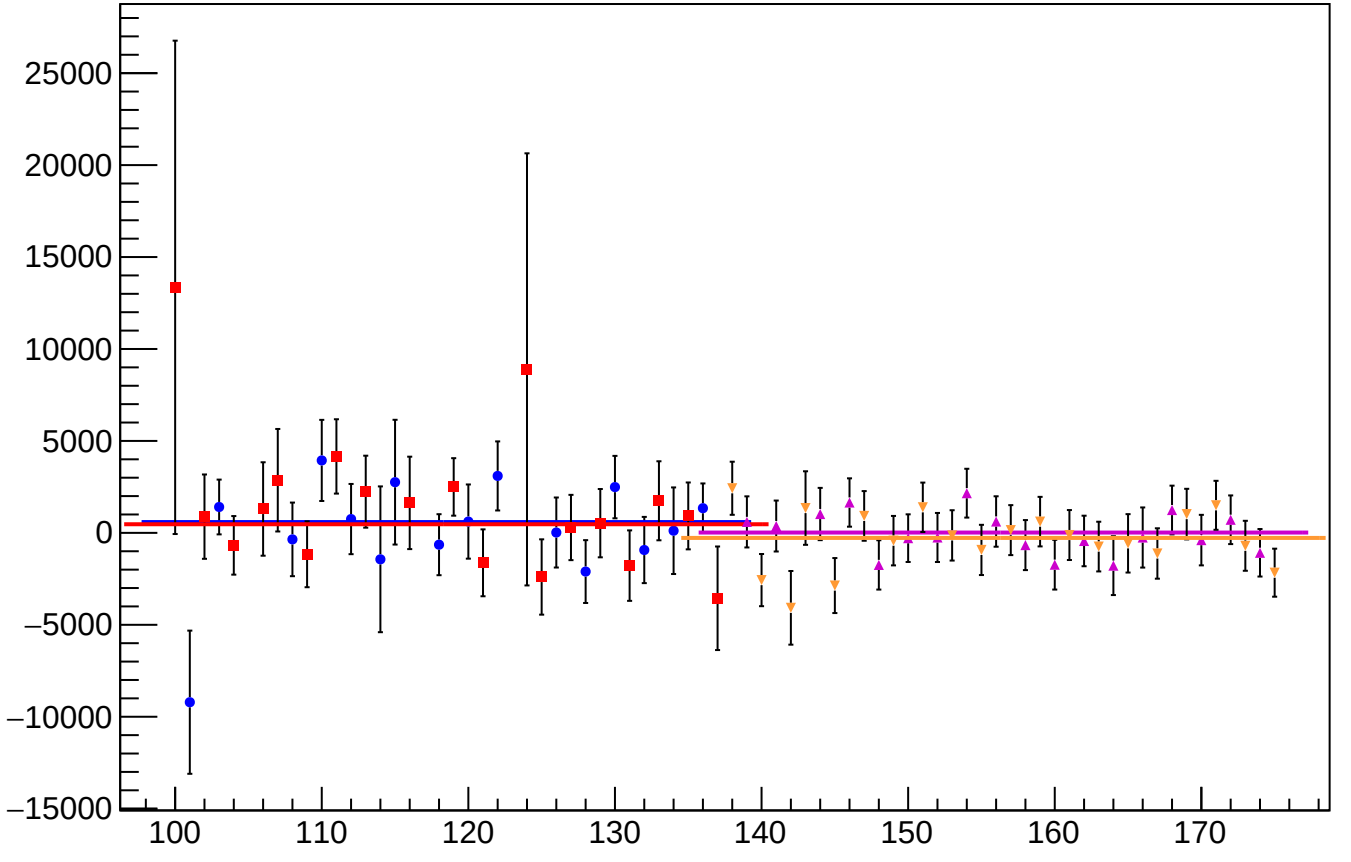
Left In: 0.000+/-0.000 χ^2/NDF:1560233.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 8028485.9/35

All: 0.000+/-0.000 χ^2/NDF: 14899195.8/72

- sign 0.000+/-0.000 χ^2/NDF: 6706698.2/36

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.039+/-316.543 χ^2/NDF:21.9/19

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

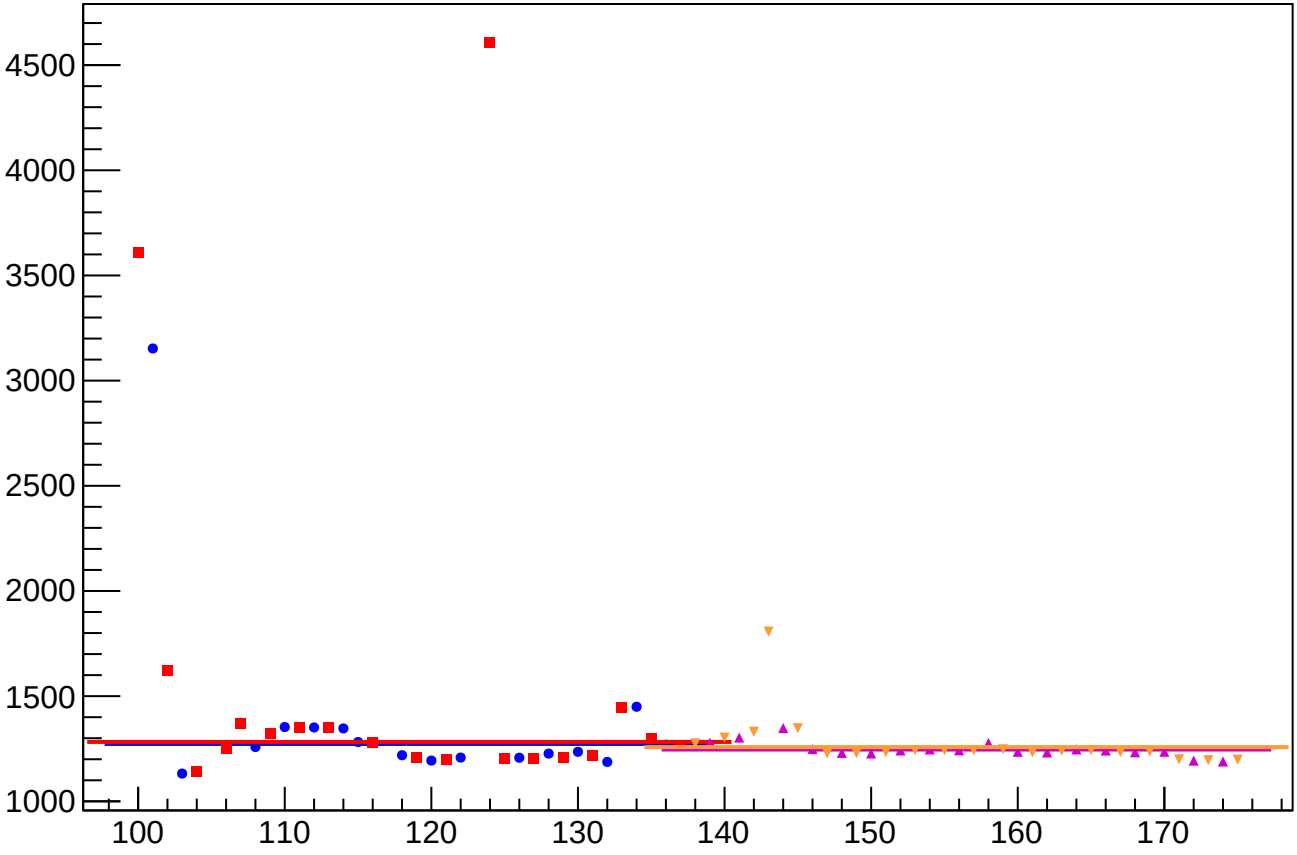
Left In: 17.176+/-323.174 χ^2/NDF:12.2/17

+ sign -15.626+/-264.659 χ^2/NDF: 41.2/35

All: 69.996+/-188.370 χ^2/NDF: 71.0/72

- sign 157.902+/-268.166 χ^2/NDF: 29.6/36

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1257.670+/-0.224 χ^2/NDF:180478.6/19

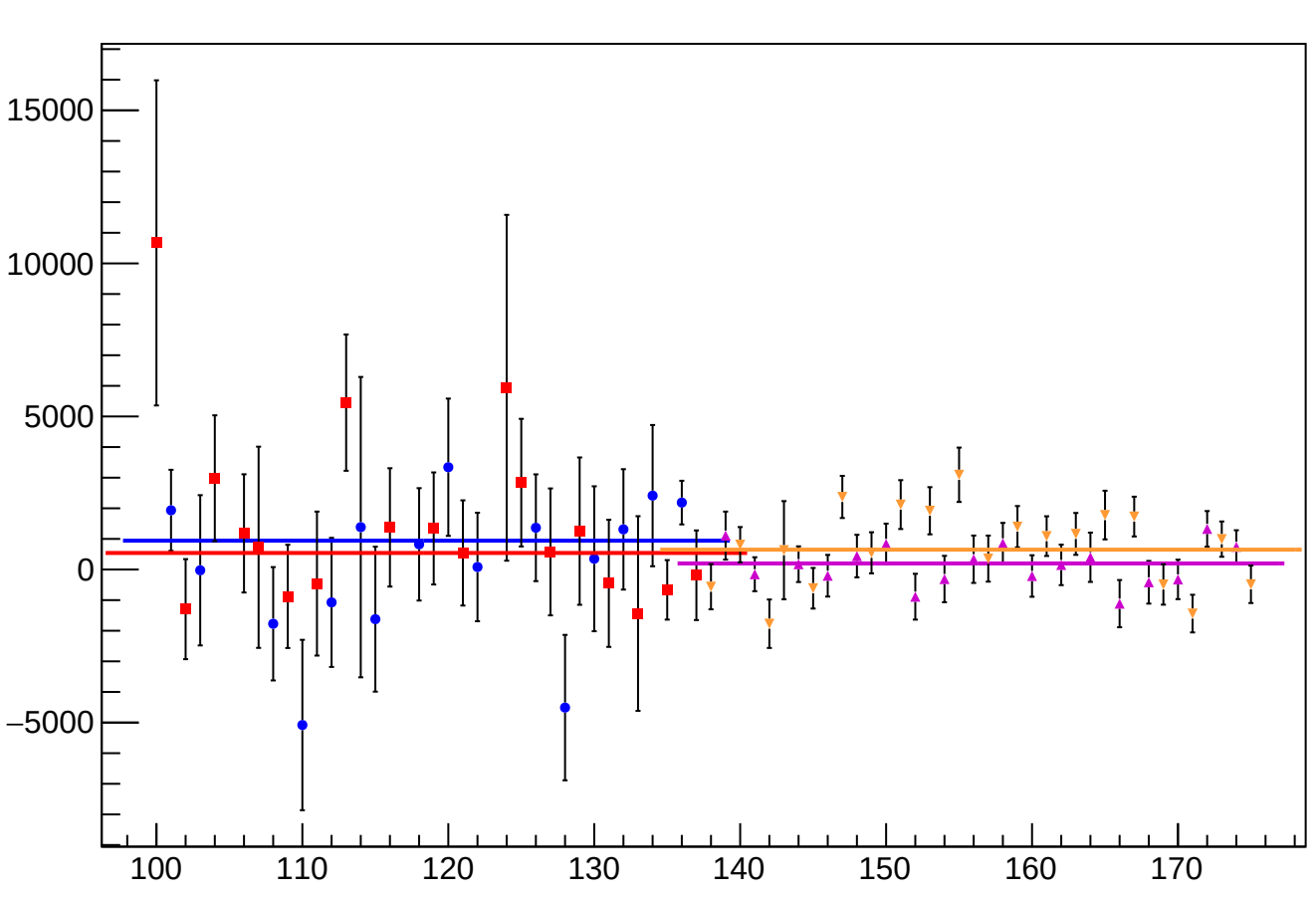
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

+ sign 1262.225+/-0.187 χ^2/NDF: 701152.6/35

All: 1259.885+/-0.133 χ^2/NDF: 1055700.3/72

- sign 1257.483+/-0.190 χ^2/NDF: 354230.9/36



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 648.548+/-156.178 χ^2/NDF:61.2/19

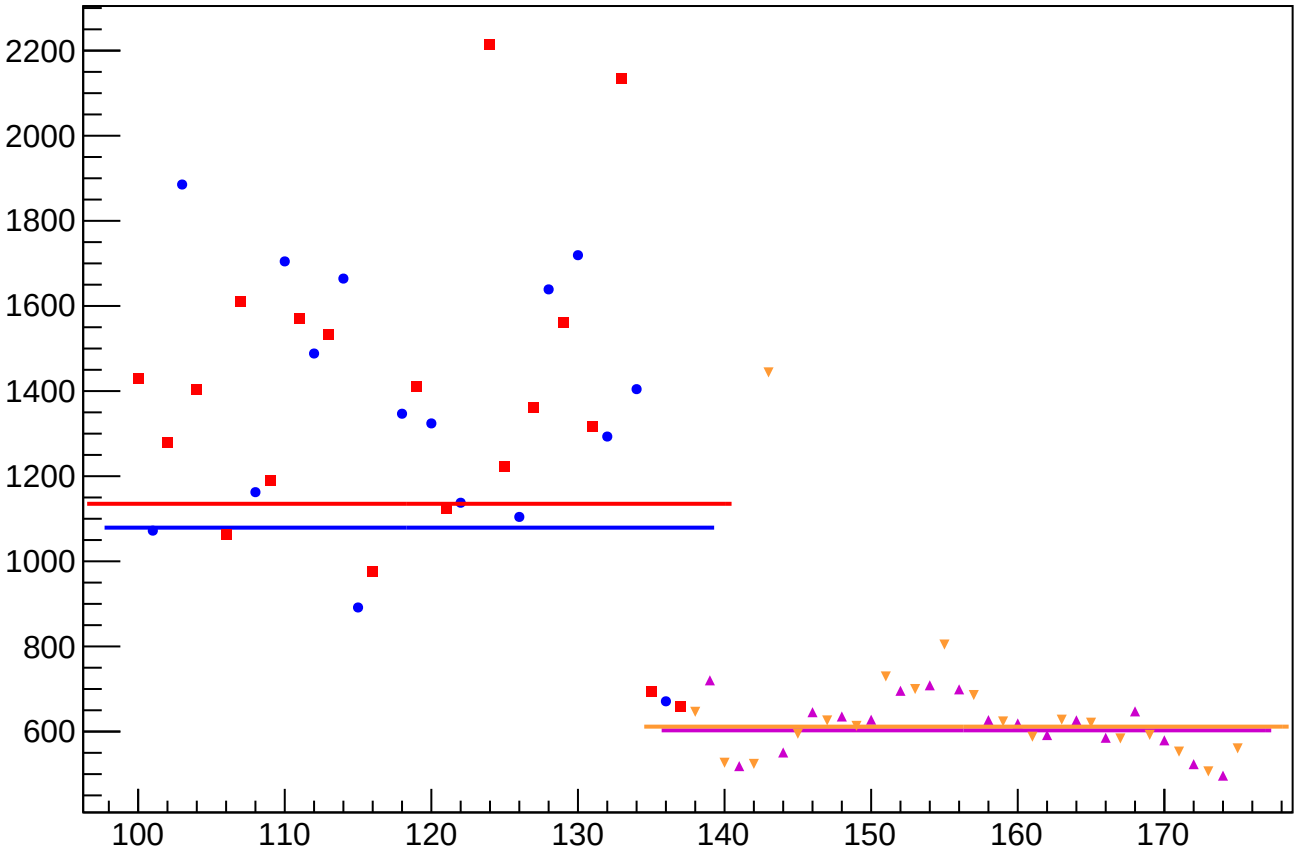
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 198.518+/-157.548 χ^2/NDF:16.2/17

+ sign 683.311+/-146.628 χ^2/NDF: 81.5/35

All: 462.923+/-104.276 χ^2/NDF: 120.1/72

- sign 237.409+/-148.323 χ^2/NDF: 33.9/36



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 611.556+/-0.110 χ^2/NDF:905743.8/19

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

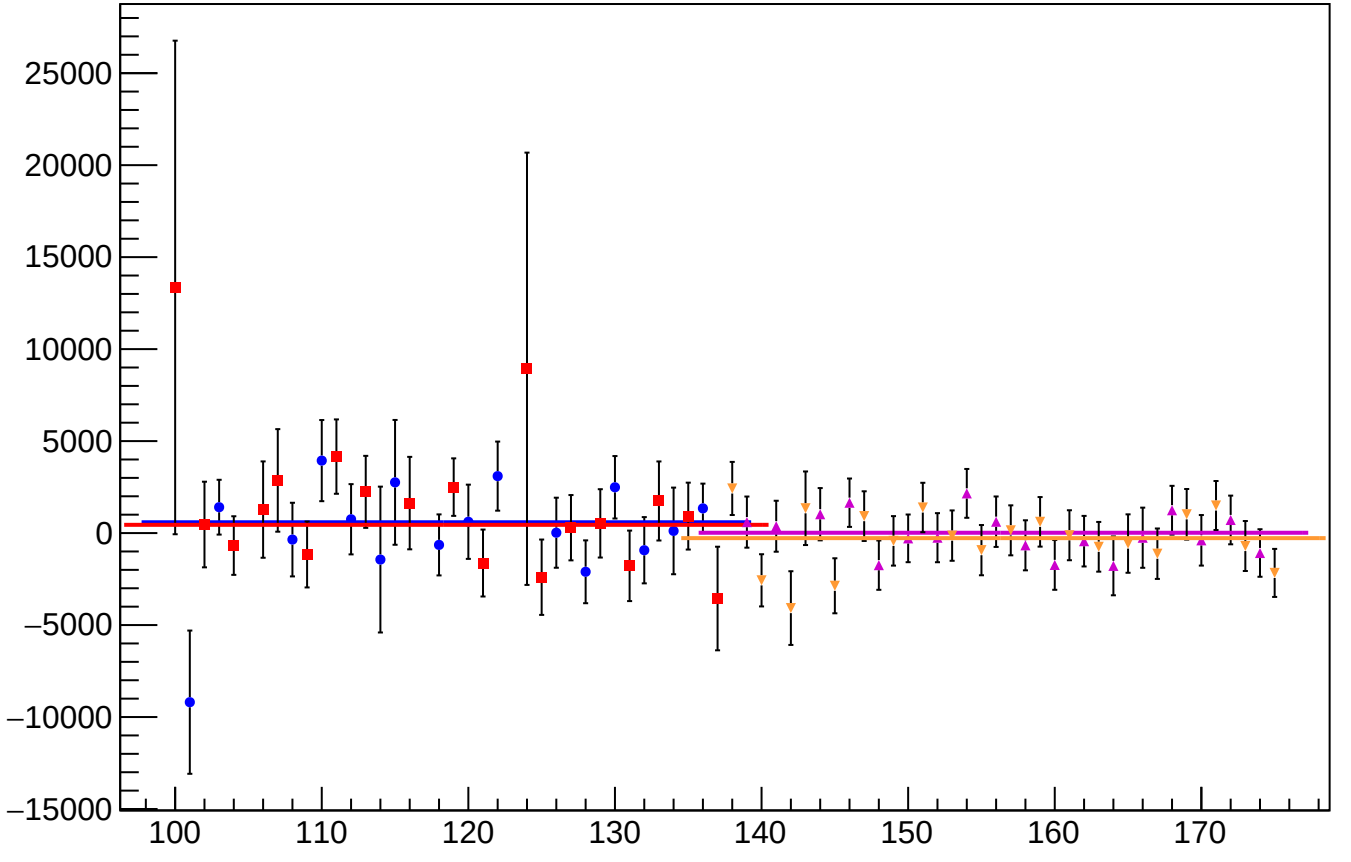
Left In: 602.855+/-0.111 χ^2/NDF:355480.9/17

+ sign 666.992+/-0.104 χ^2/NDF: 4513255.3/35

All: 665.201+/-0.074 χ^2/NDF: 8757940.0/72

- sign 663.369+/-0.105 χ^2/NDF: 4244081.4/36

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.098+/-316.543 χ^2/NDF:21.9/19

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

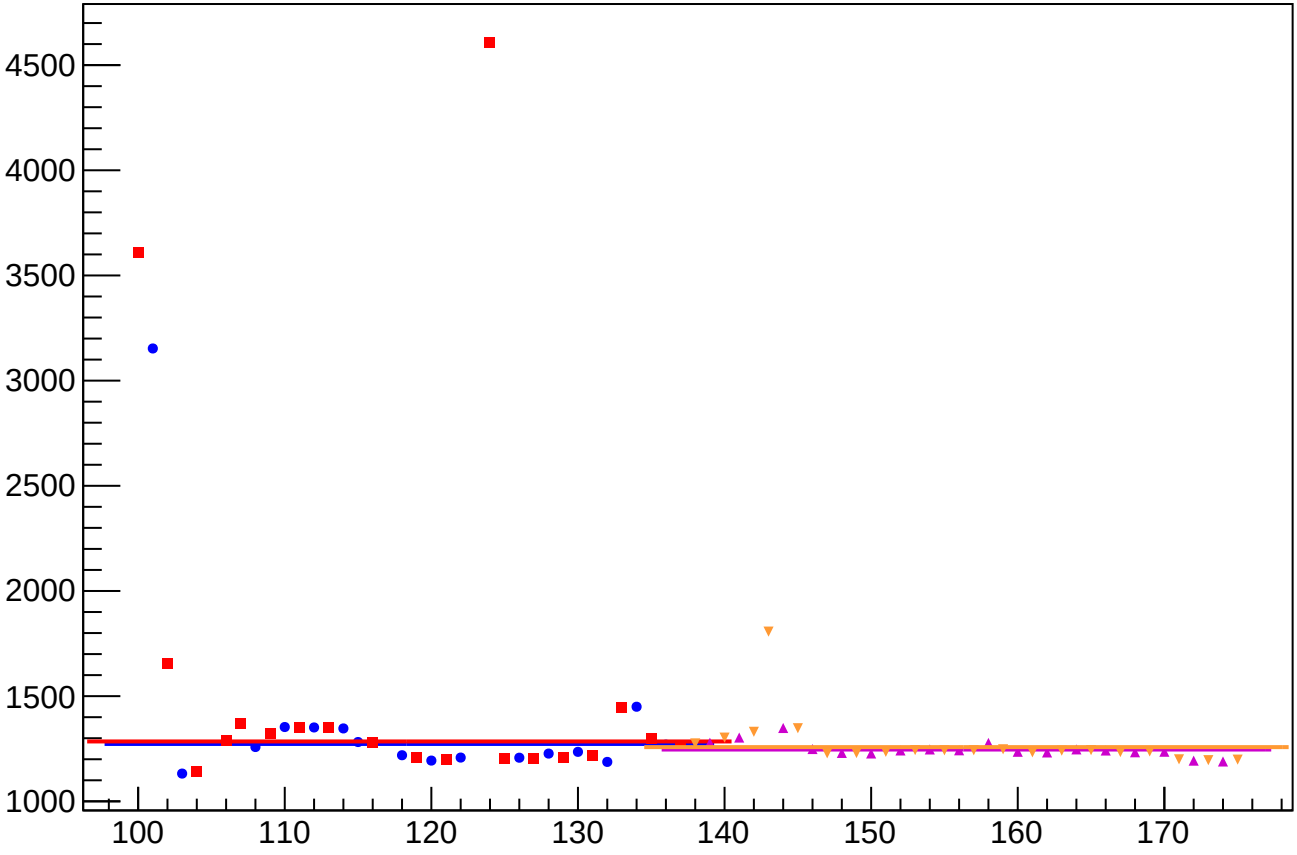
Left In: 17.218+/-323.174 χ^2/NDF:12.2/17

\+ sign -15.571+/-264.659 χ^2/NDF: 41.2/35

All: 66.673+/-188.419 χ^2/NDF: 70.9/72

\- sign 151.200+/-268.308 χ^2/NDF: 29.5/36

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1257.671+/-0.224 χ^2/NDF:180478.6/19

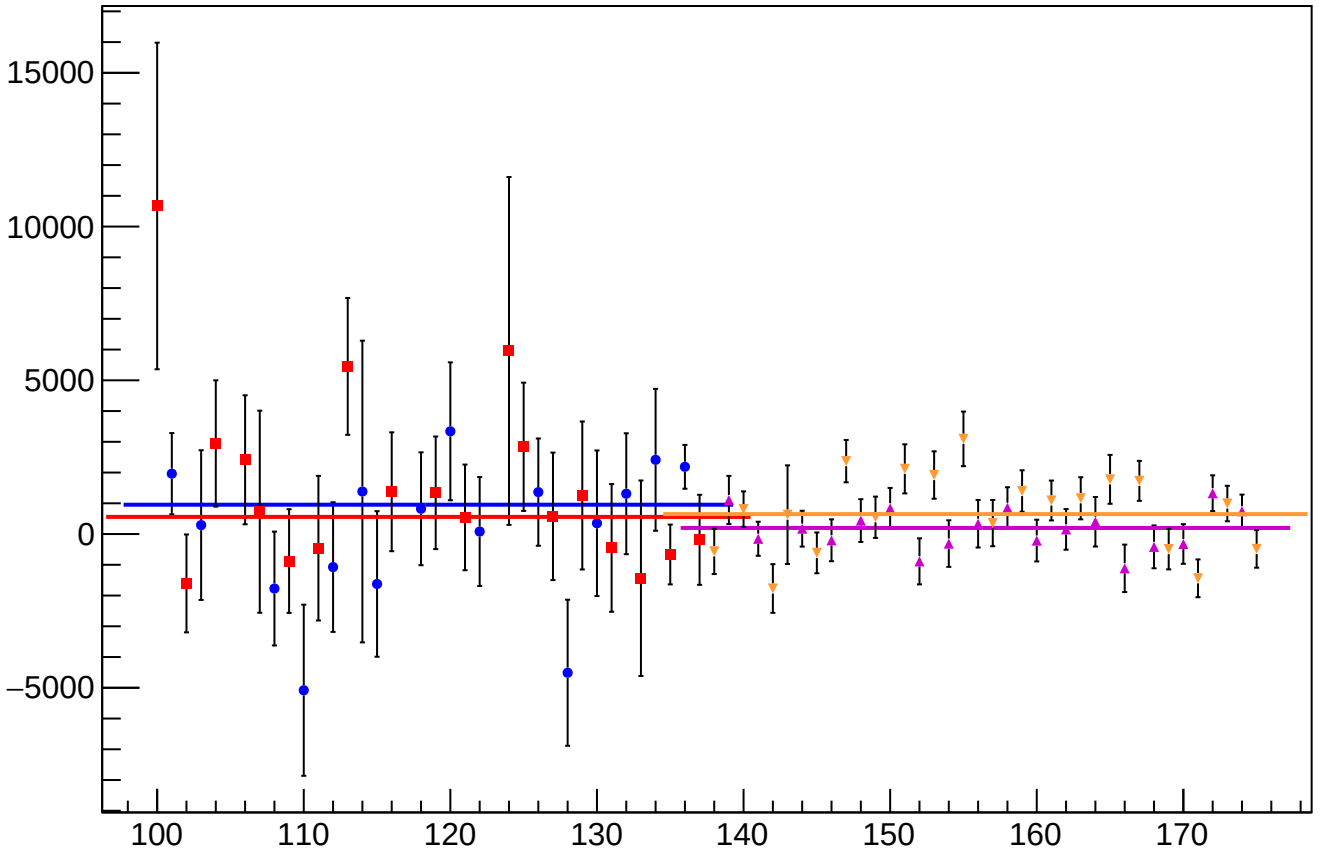
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

+ sign 1262.225+/-0.187 χ^2/NDF: 701154.0/35

All: 1260.224+/-0.133 χ^2/NDF: 1063270.4/72

- sign 1258.168+/-0.190 χ^2/NDF: 361884.7/36



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 648.568+/-156.179 χ^2/NDF:61.2/19

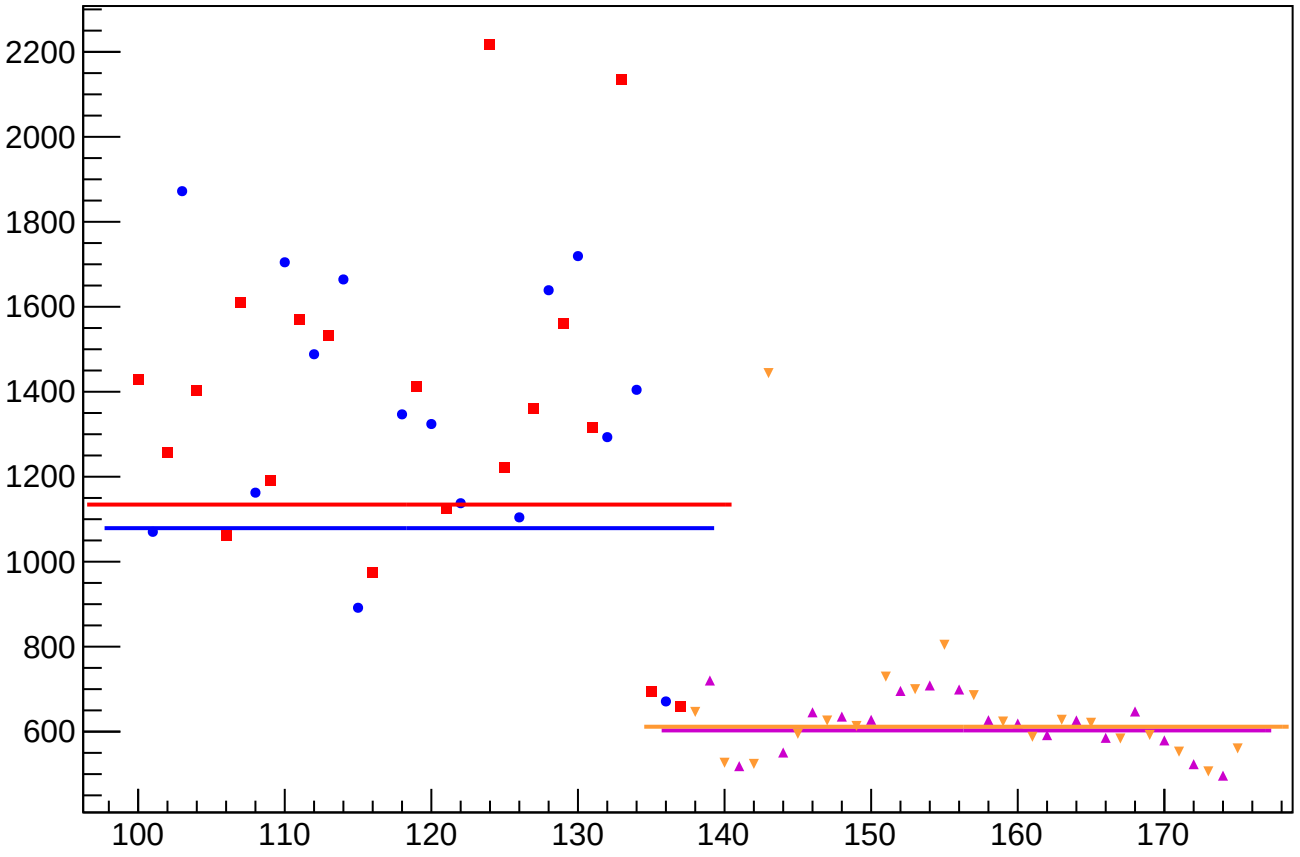
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 198.504+/-157.548 χ^2/NDF:16.2/17

+ sign 684.824+/-146.621 χ^2/NDF: 81.5/35

All: 464.644+/-104.284 χ^2/NDF: 121.3/72

- sign 239.225+/-148.355 χ^2/NDF: 35.2/36



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 611.559+/-0.110 χ^2/NDF:905692.9/19

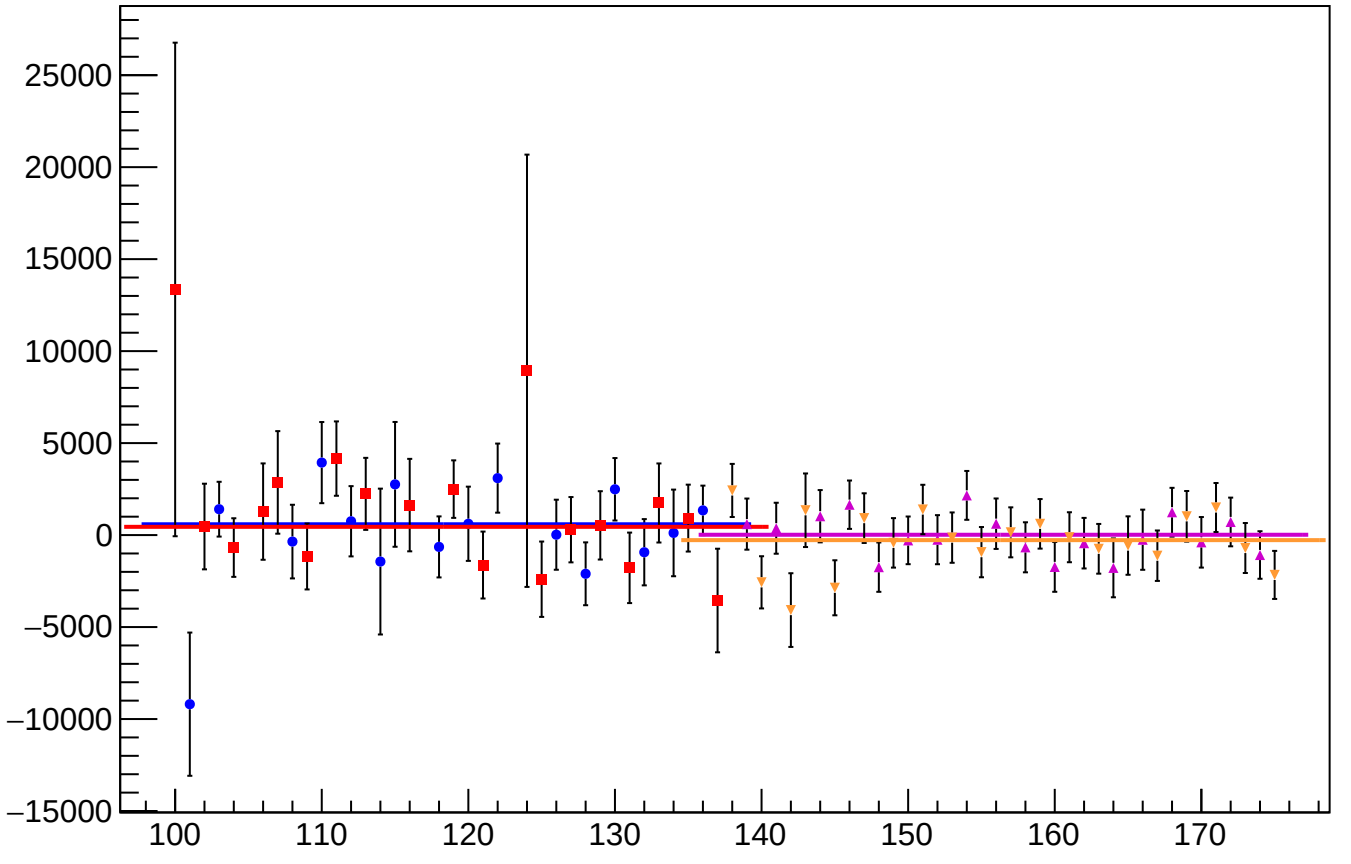
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 602.851+/-0.111 χ^2/NDF:355503.8/17

+ sign 667.013+/-0.104 χ^2/NDF: 4509511.3/35

All: 665.067+/-0.074 χ^2/NDF: 8734161.8/72

- sign 663.075+/-0.105 χ^2/NDF: 4223937.8/36



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.098+/-316.543 χ^2/NDF:21.9/19

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

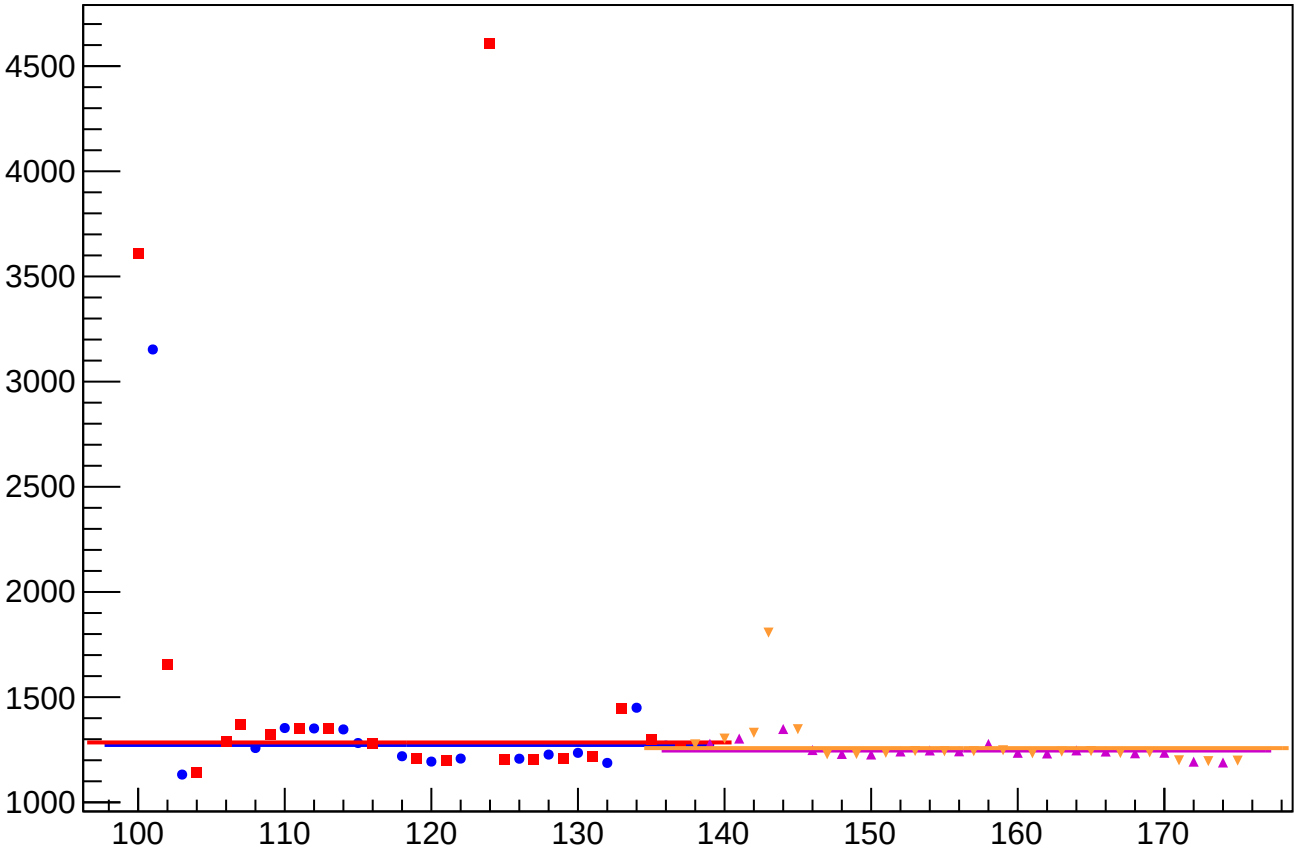
Left In: 17.218+/-323.174 χ^2/NDF:12.2/17

\+ sign -15.571+/-264.659 χ^2/NDF: 41.2/35

All: 66.673+/-188.419 χ^2/NDF: 70.9/72

\- sign 151.200+/-268.308 χ^2/NDF: 29.5/36

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1257.671+/-0.224 χ^2/NDF:180478.6/19

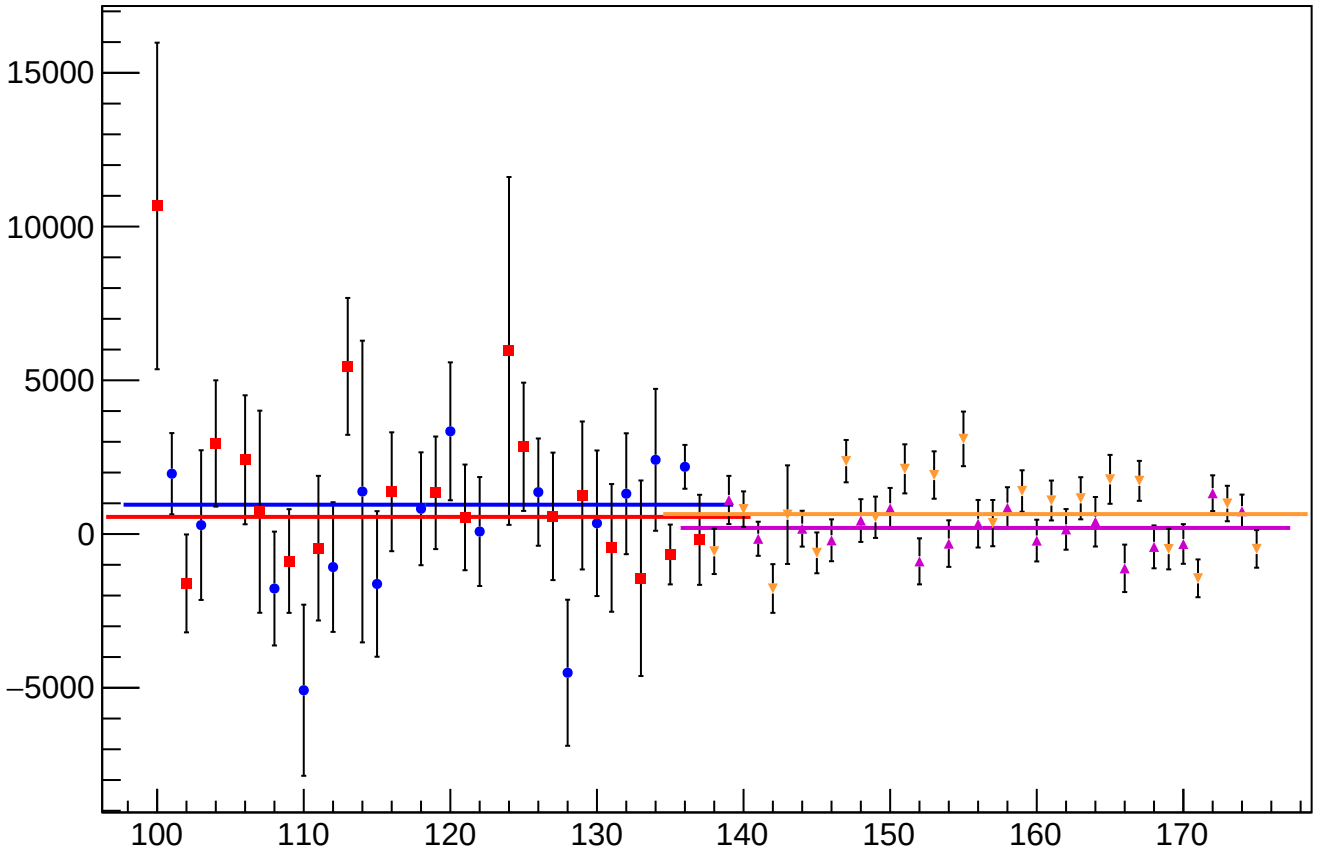
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

+ sign 1262.225+/-0.187 χ^2/NDF: 701154.0/35

All: 1260.224+/-0.133 χ^2/NDF: 1063270.4/72

- sign 1258.168+/-0.190 χ^2/NDF: 361884.7/36



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 648.568+/-156.179 χ^2/NDF:61.2/19

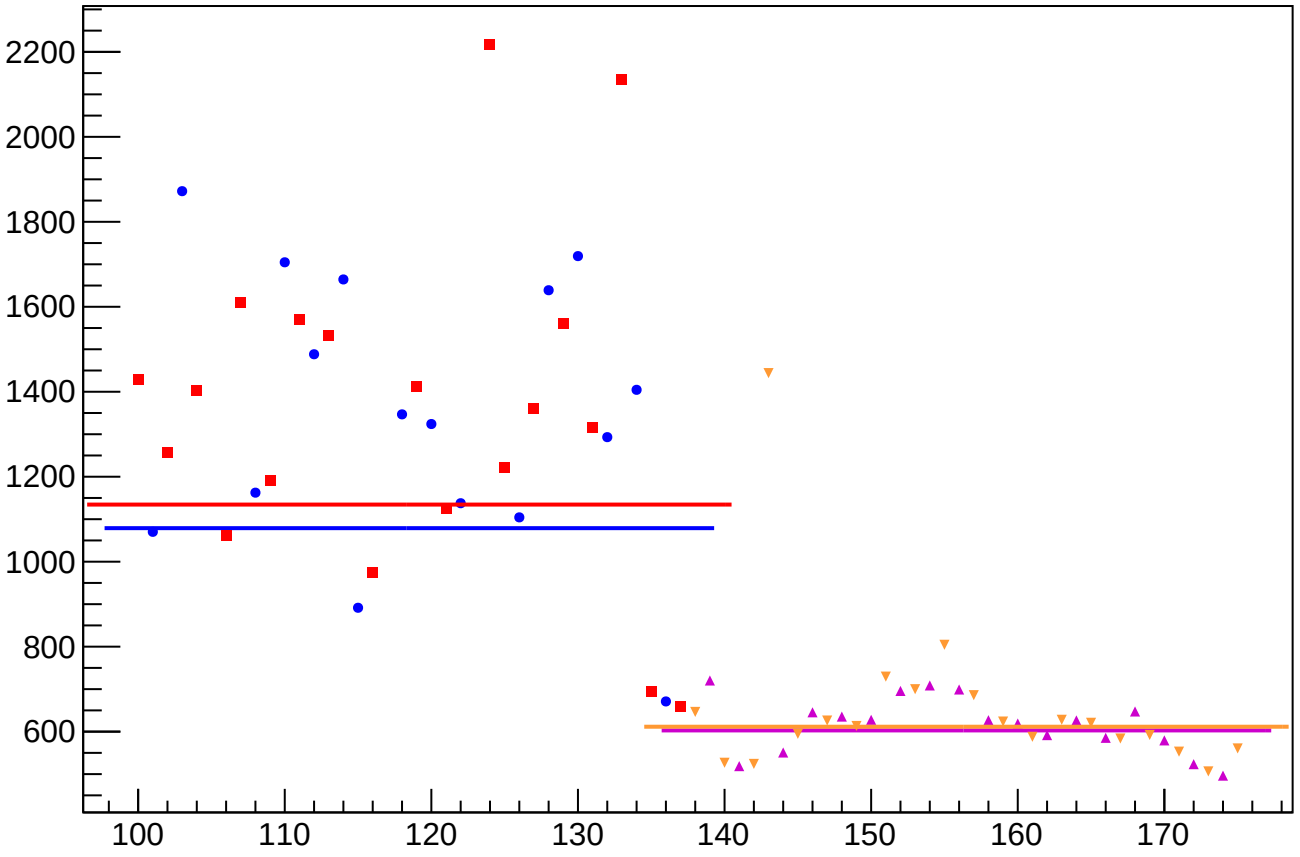
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 198.504+/-157.548 χ^2/NDF:16.2/17

+ sign 684.824+/-146.621 χ^2/NDF: 81.5/35

All: 464.644+/-104.284 χ^2/NDF: 121.3/72

- sign 239.225+/-148.355 χ^2/NDF: 35.2/36



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 611.559+/-0.110 χ^2/NDF:905692.9/19

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

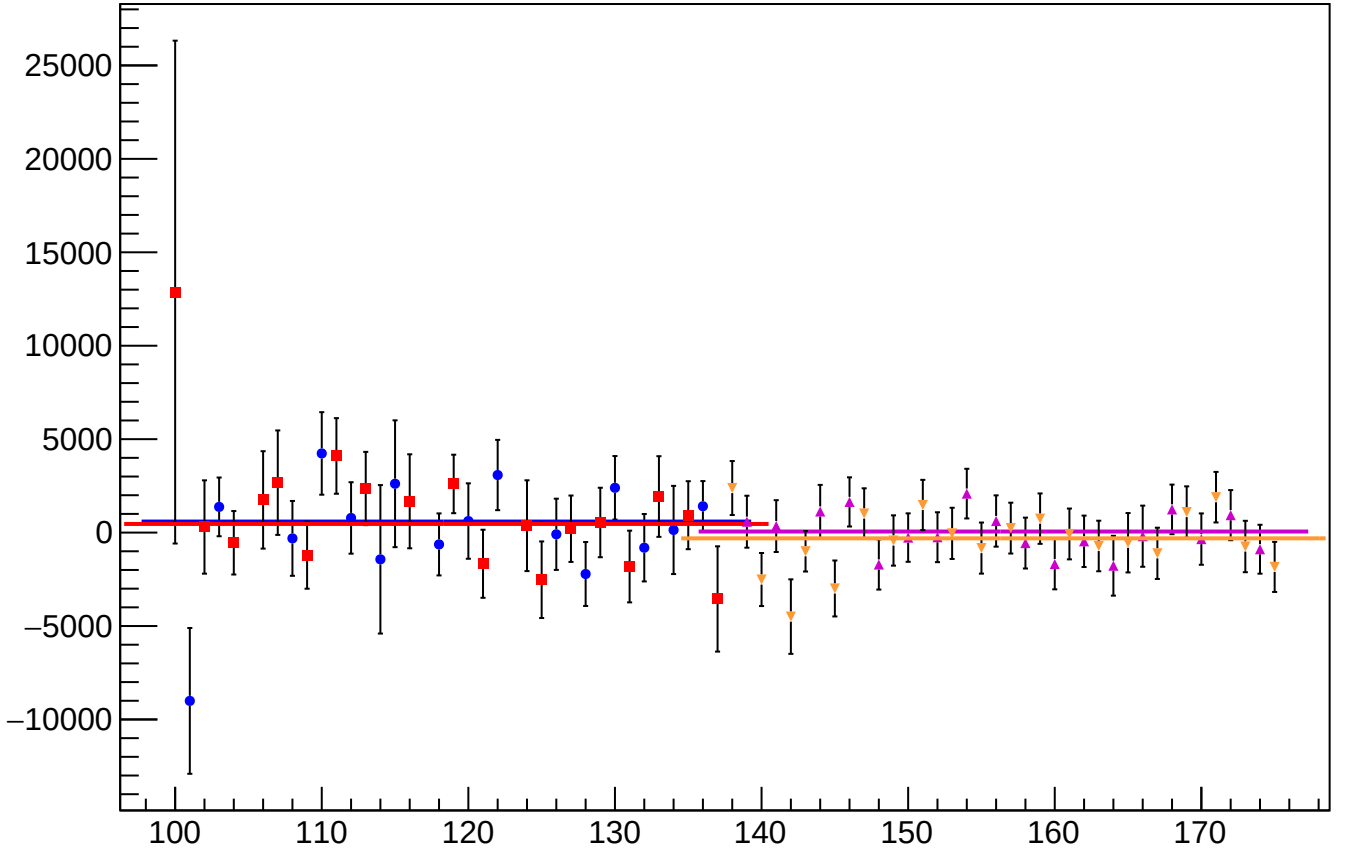
Left In: 602.851+/-0.111 χ^2/NDF:355503.8/17

+ sign 667.013+/-0.104 χ^2/NDF: 4509511.3/35

All: 665.067+/-0.074 χ^2/NDF: 8734161.8/72

- sign 663.075+/-0.105 χ^2/NDF: 4223937.8/36

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -307.984+/-308.452 χ^2/NDF:23.2/19

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

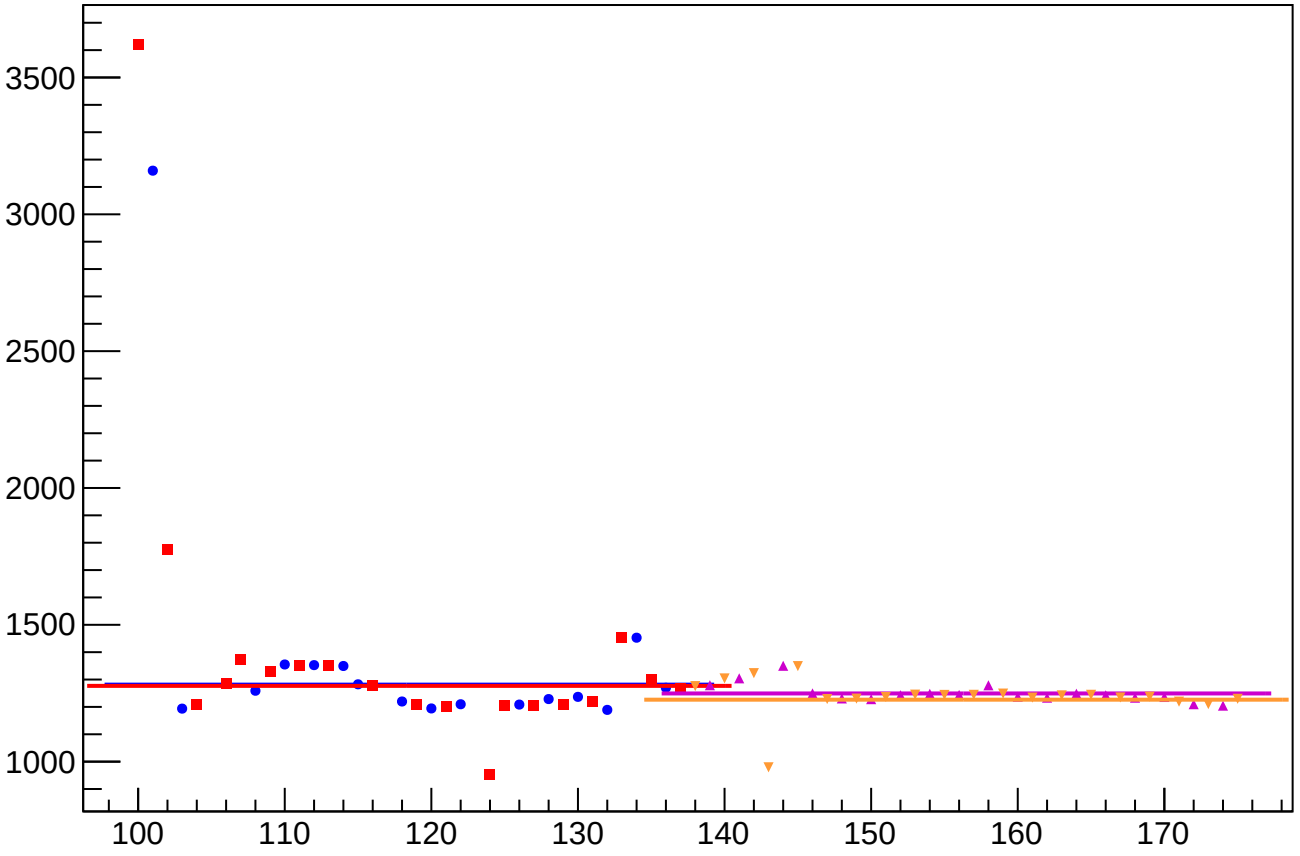
Left In: 57.172+/-323.922 χ^2/NDF:11.7/17

+ sign -49.647+/-260.348 χ^2/NDF: 42.7/35

All: 64.406+/-186.719 χ^2/NDF: 72.0/72

- sign 185.205+/-267.937 χ^2/NDF: 28.9/36

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.396+/-0.218 χ^2/NDF:133269.0/19

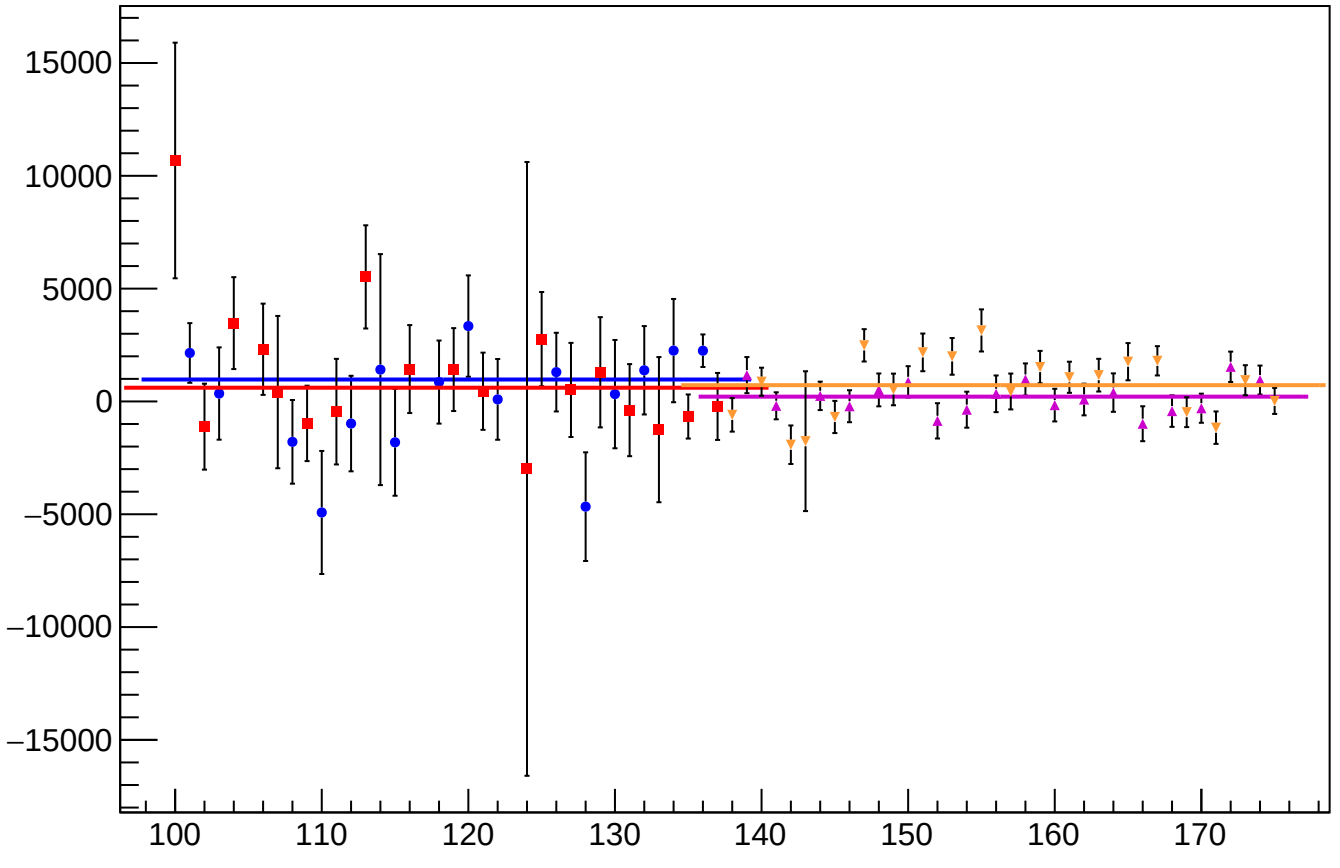
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1249.177+/-0.229 χ^2/NDF:21061.1/17

+ sign 1242.205+/-0.184 χ^2/NDF: 658616.6/35

All: 1249.836+/-0.132 χ^2/NDF: 908342.9/72

- sign 1257.919+/-0.189 χ^2/NDF: 246187.8/36



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 721.544+/-164.925 χ^2/NDF:53.8/19

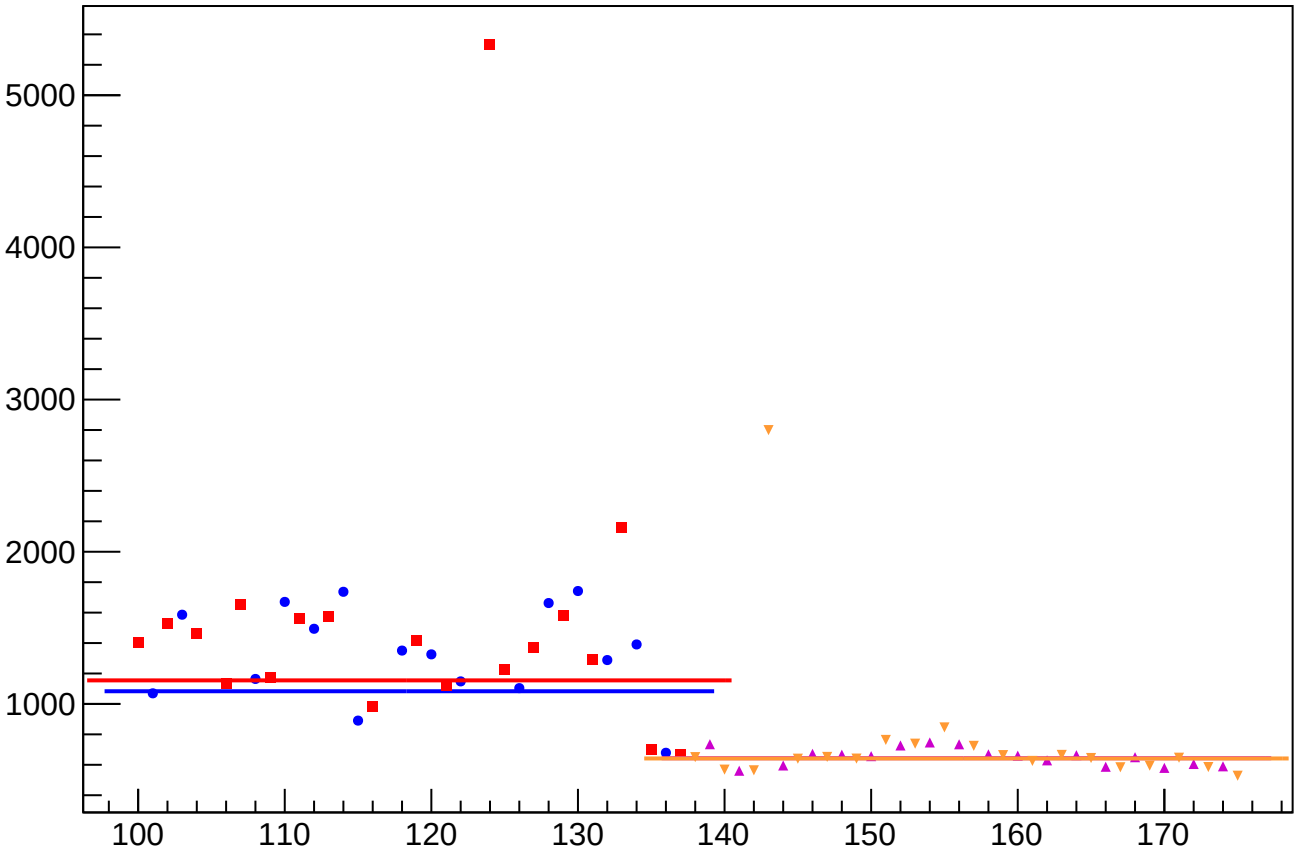
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 212.114+/-167.661 χ^2/NDF:16.3/17

+ sign 754.332+/-153.764 χ^2/NDF: 74.5/35

All: 512.751+/-109.859 χ^2/NDF: 113.6/72

- sign 260.853+/-157.013 χ^2/NDF: 34.1/36



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 641.607+/-0.117 χ^2/NDF:1326091.2/19

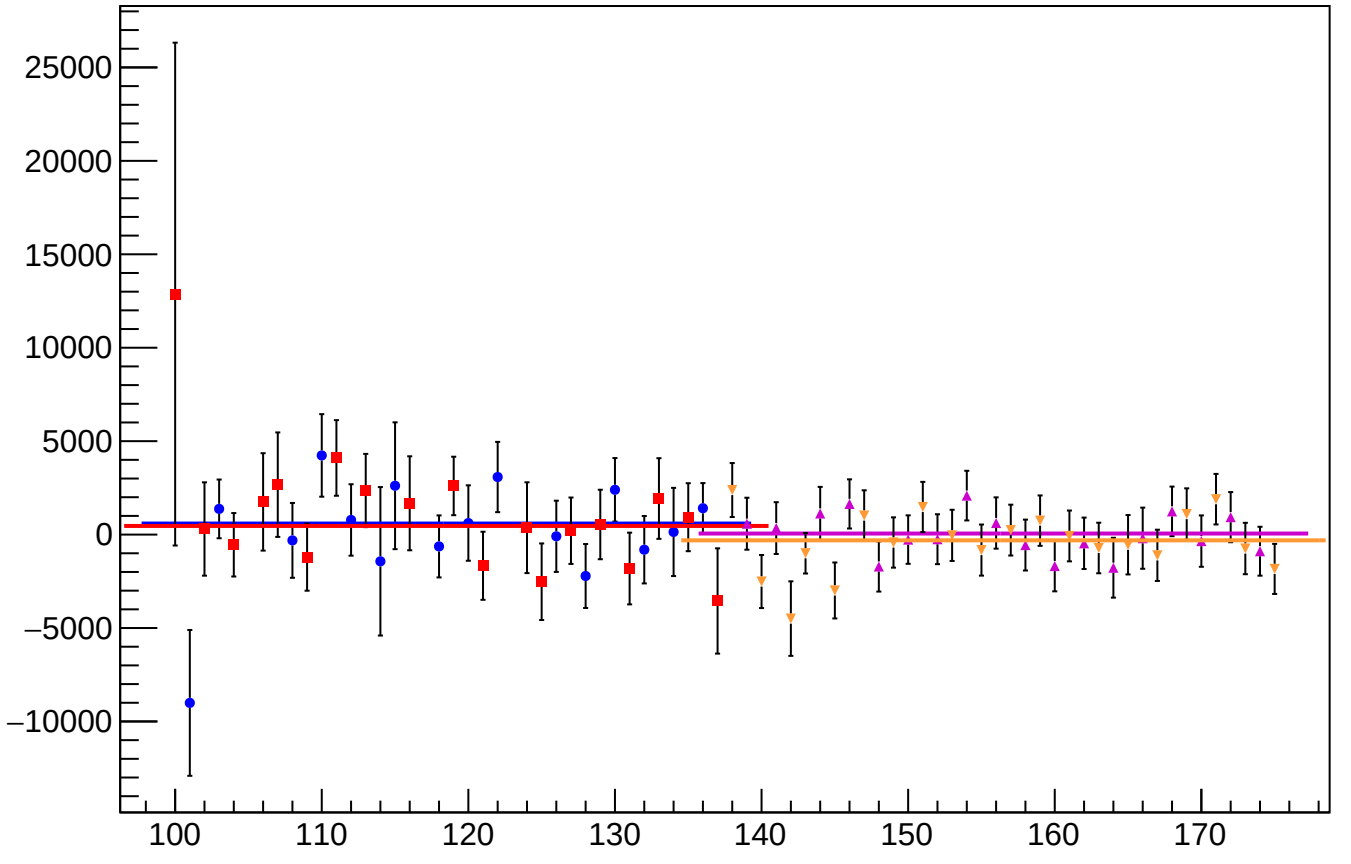
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 643.230+/-0.119 χ^2/NDF:219442.5/17

+ sign 699.369+/-0.109 χ^2/NDF: 4562330.6/35

All: 702.680+/-0.078 χ^2/NDF: 8561155.6/72

- sign 706.134+/-0.111 χ^2/NDF: 3996929.9/36



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -307.986+/-308.452 χ^2/NDF:23.2/19

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

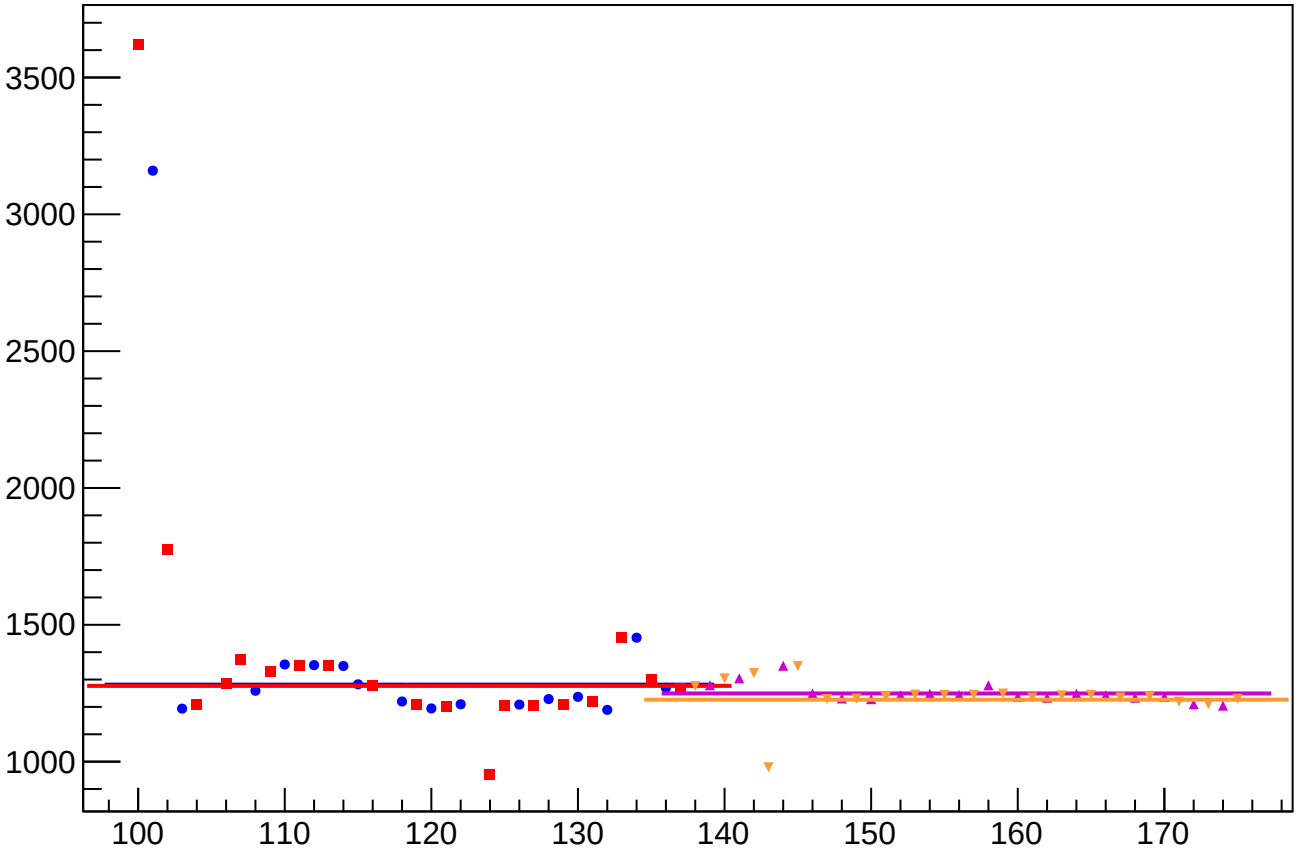
Left In: 57.171+/-323.922 χ^2/NDF:11.7/17

\+ sign -49.648+/-260.348 χ^2/NDF: 42.7/35

All: 64.405+/-186.719 χ^2/NDF: 72.0/72

\- sign 185.204+/-267.937 χ^2/NDF: 28.9/36

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1226.396+/-0.218 χ^2/NDF:133268.3/19

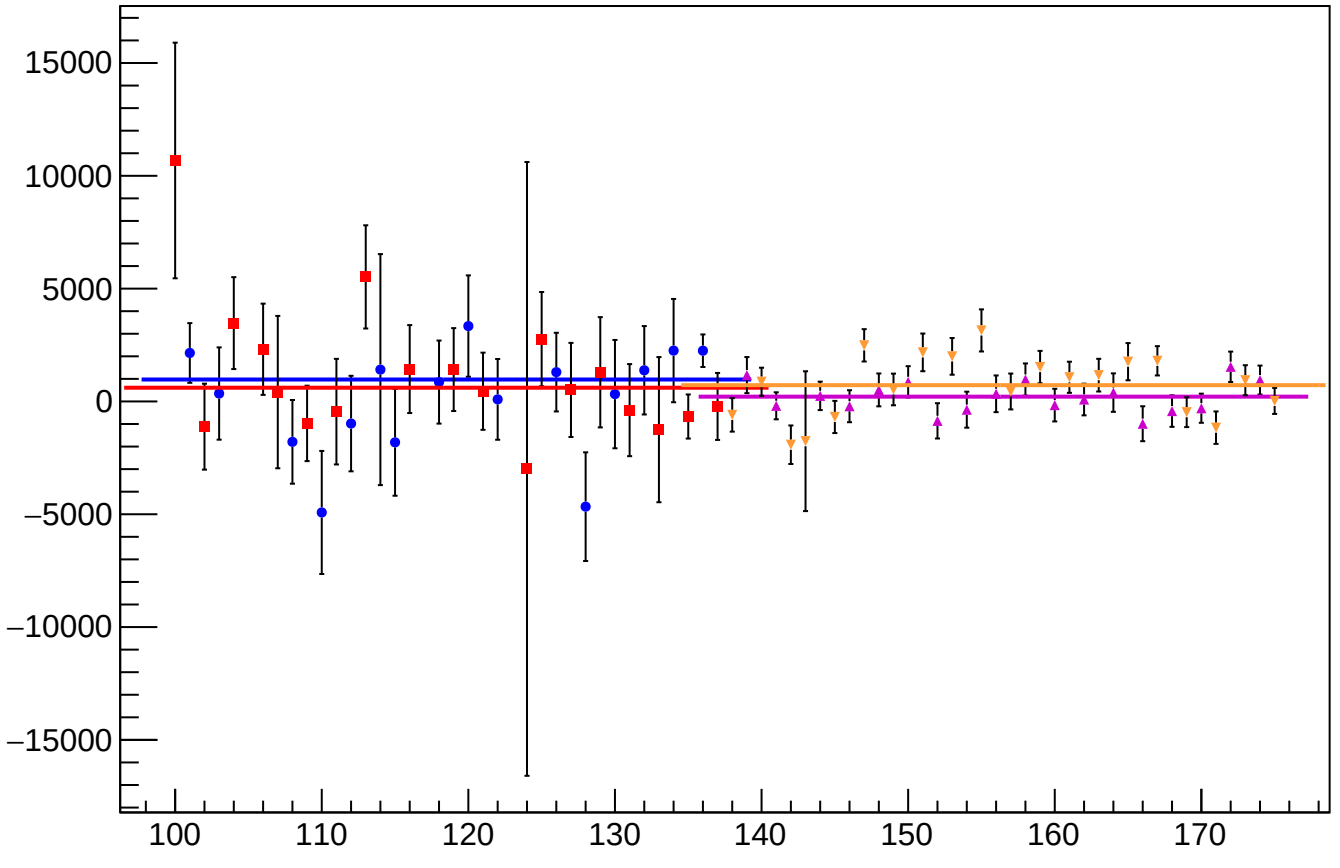
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1249.177+/-0.229 χ^2/NDF:21061.2/17

+ sign 1242.205+/-0.184 χ^2/NDF: 658616.0/35

All: 1249.836+/-0.132 χ^2/NDF: 908342.2/72

- sign 1257.919+/-0.189 χ^2/NDF: 246187.8/36



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 721.545+/-164.925 χ^2/NDF:53.8/19

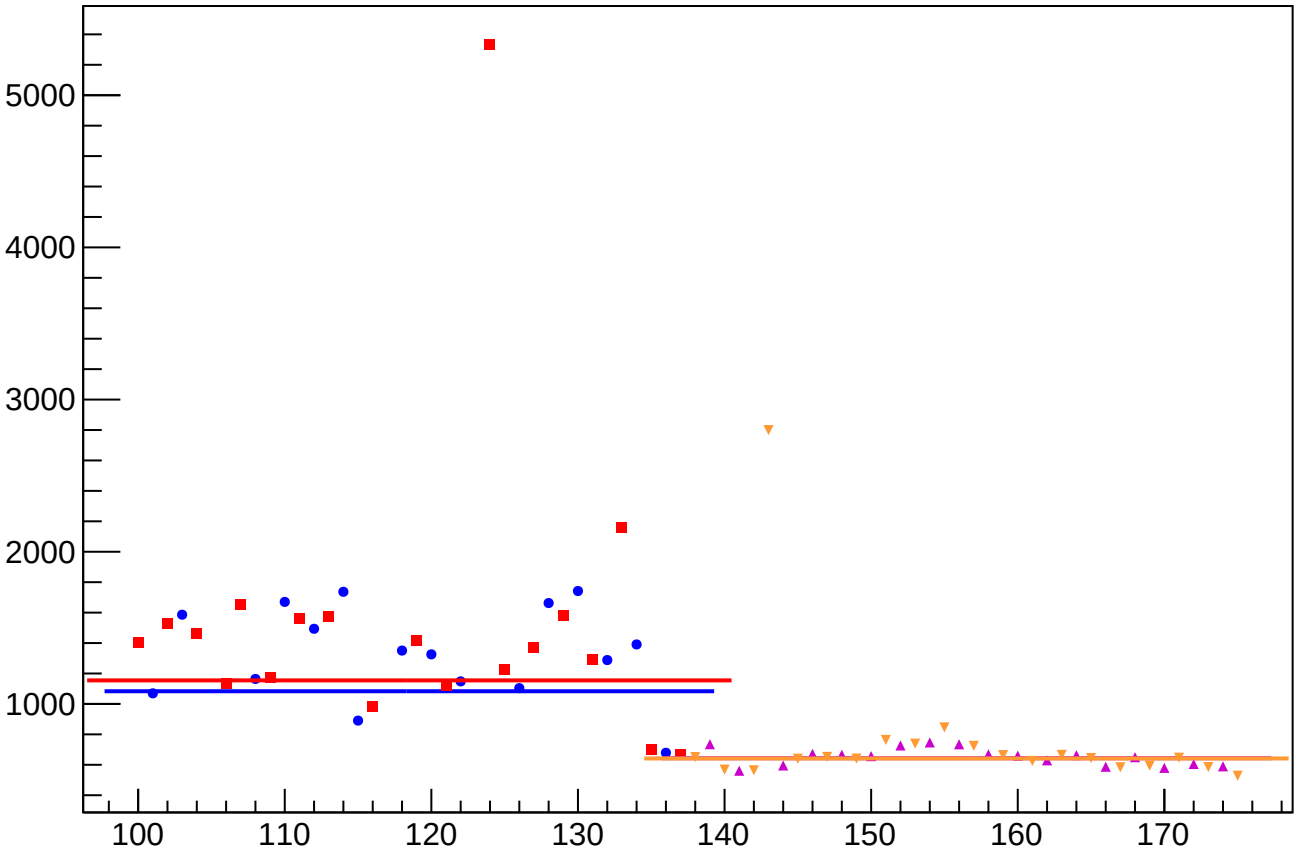
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 212.112+/-167.661 χ^2/NDF:16.3/17

+ sign 754.332+/-153.764 χ^2/NDF: 74.5/35

All: 512.750+/-109.859 χ^2/NDF: 113.6/72

- sign 260.852+/-157.013 χ^2/NDF: 34.1/36



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 641.607+/-0.117 χ^2/NDF:1326088.0/19

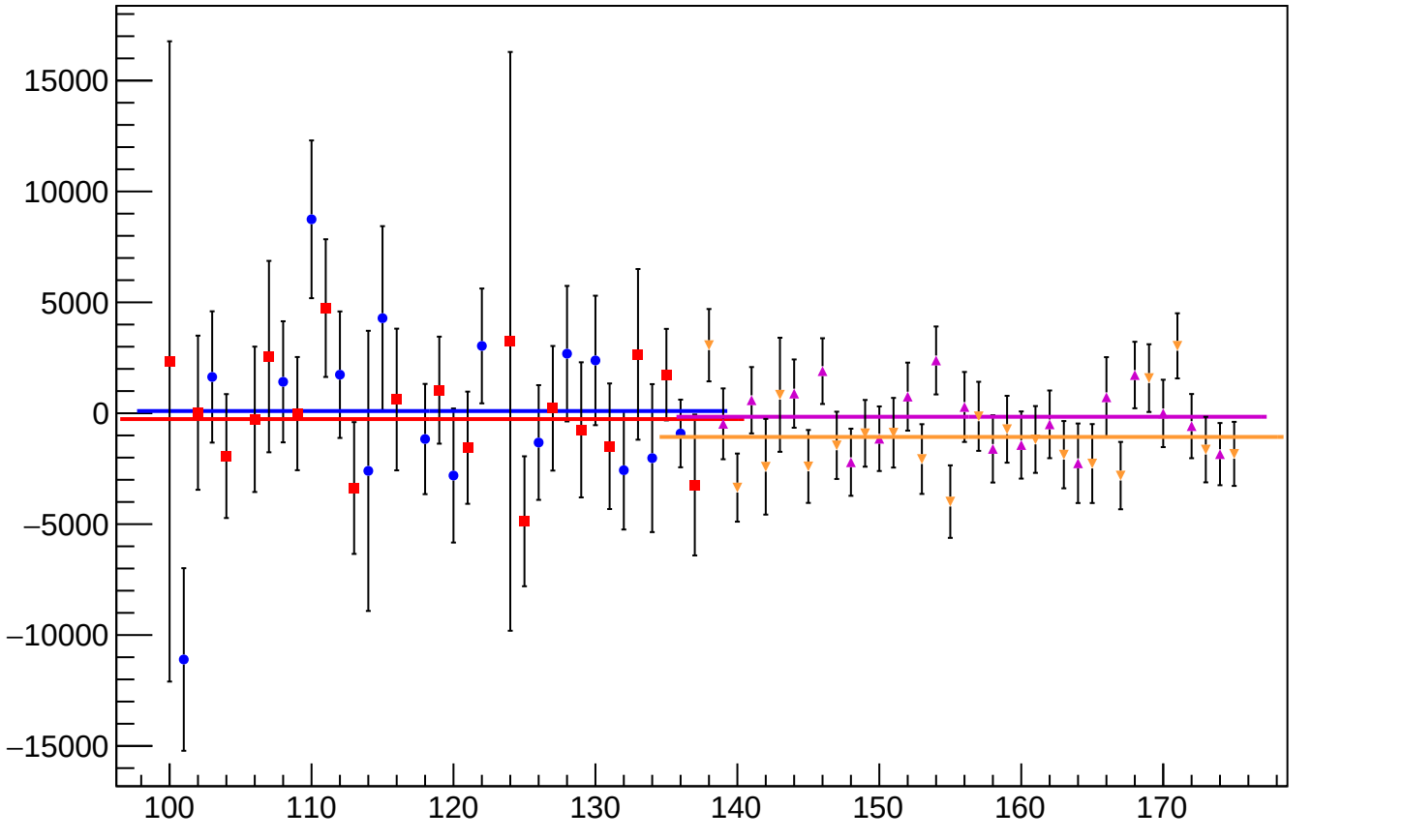
Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 643.230+/-0.119 χ^2/NDF:219446.3/17

\+ sign 699.369+/-0.109 χ^2/NDF: 4562312.5/35

All: 702.681+/-0.078 χ^2/NDF: 8561142.3/72

\- sign 706.133+/-0.111 χ^2/NDF: 3996934.9/36



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1068.069+/-355.670 χ^2/NDF:27.6/19

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

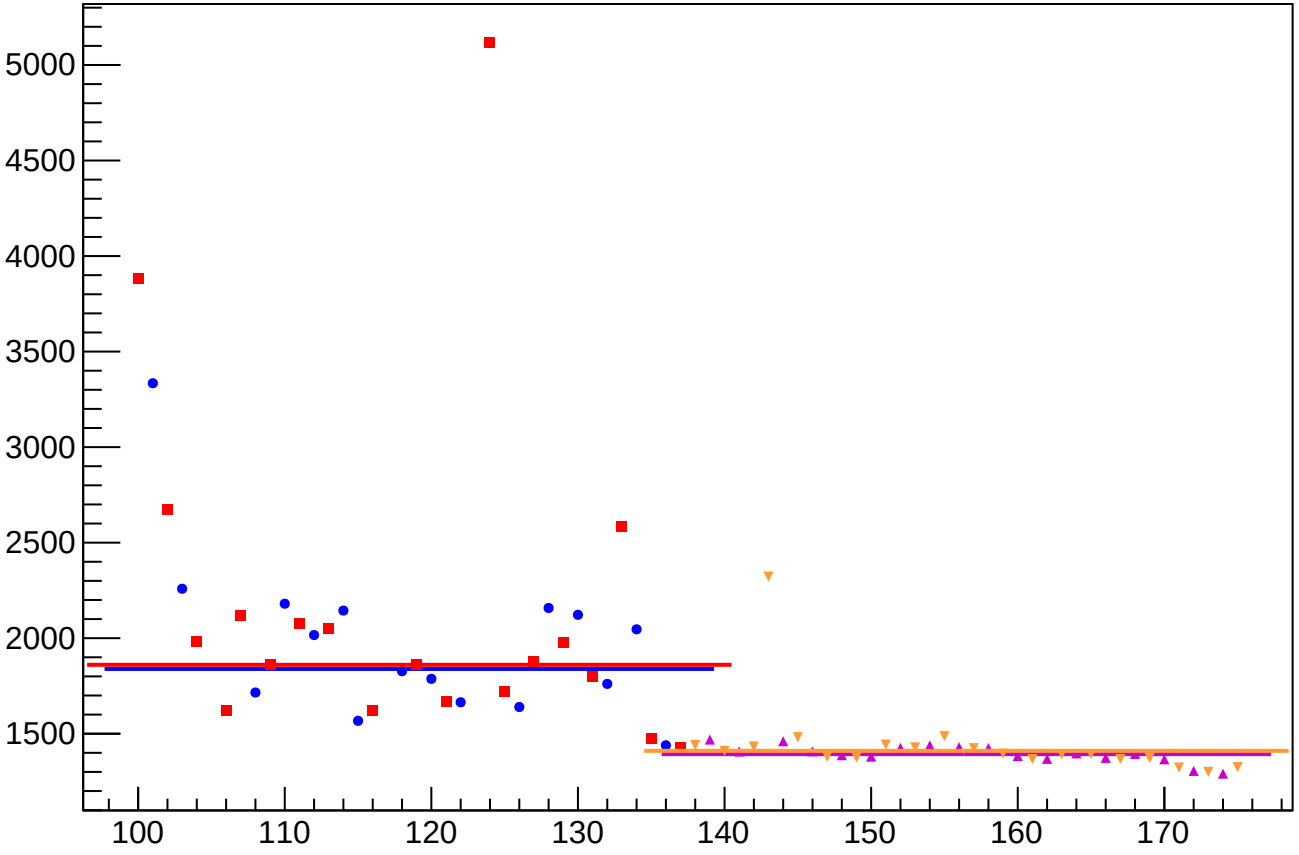
Left In: -158.419+/-361.362 χ^2/NDF:14.5/17

+ sign -827.744+/-316.992 χ^2/NDF: 51.2/35

All: -508.204+/-225.577 χ^2/NDF: 78.1/72

- sign -180.382+/-321.074 χ^2/NDF: 24.9/36

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1410.426+/-0.251 χ^2/NDF:294118.7/19

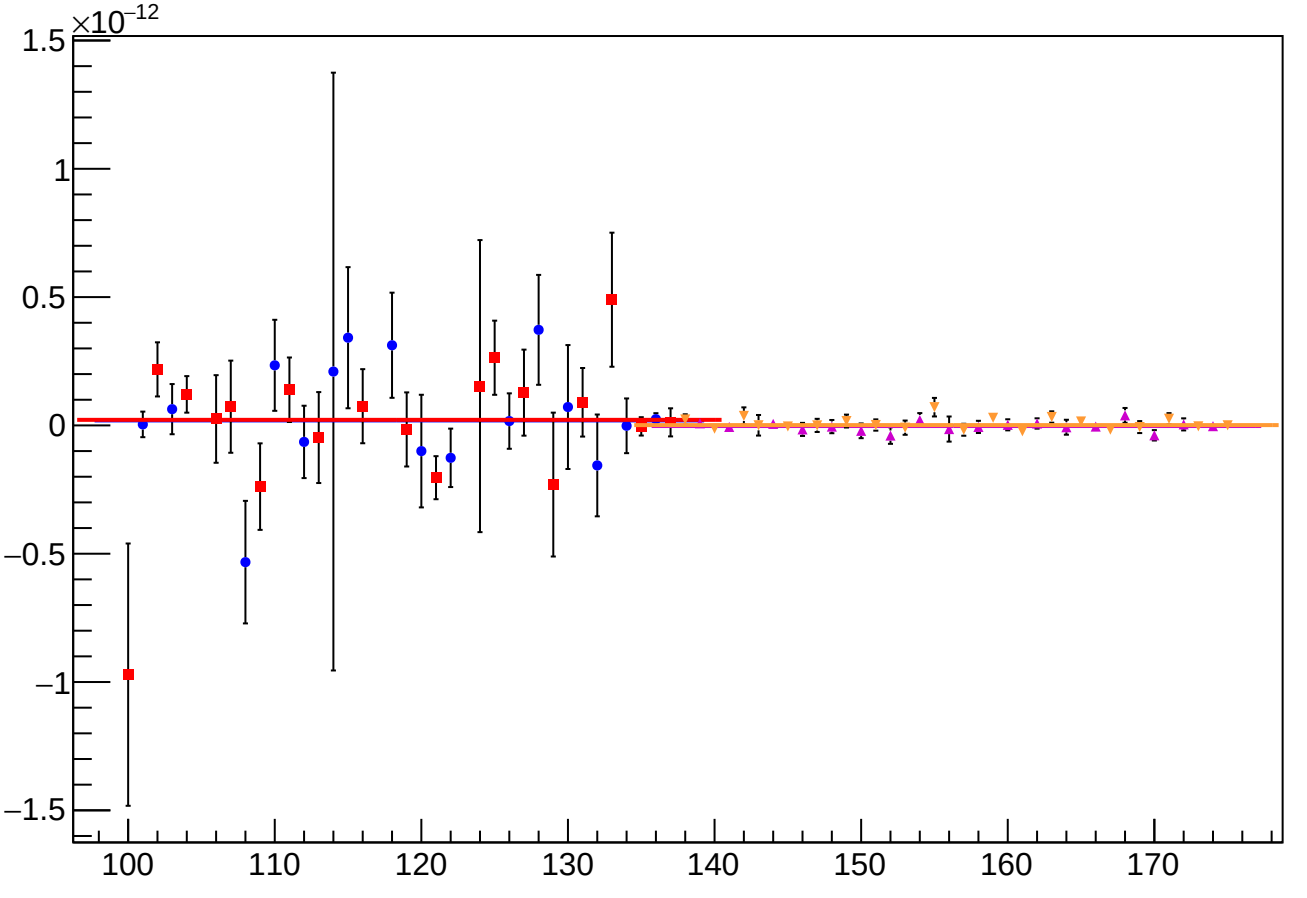
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1393.181+/-0.256 χ^2/NDF:32982.0/17

+ sign 1498.593+/-0.224 χ^2/NDF: 1448404.4/35

All: 1495.156+/-0.160 χ^2/NDF: 2709006.4/72

- sign 1491.630+/-0.227 χ^2/NDF: 1260125.7/36



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

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/19

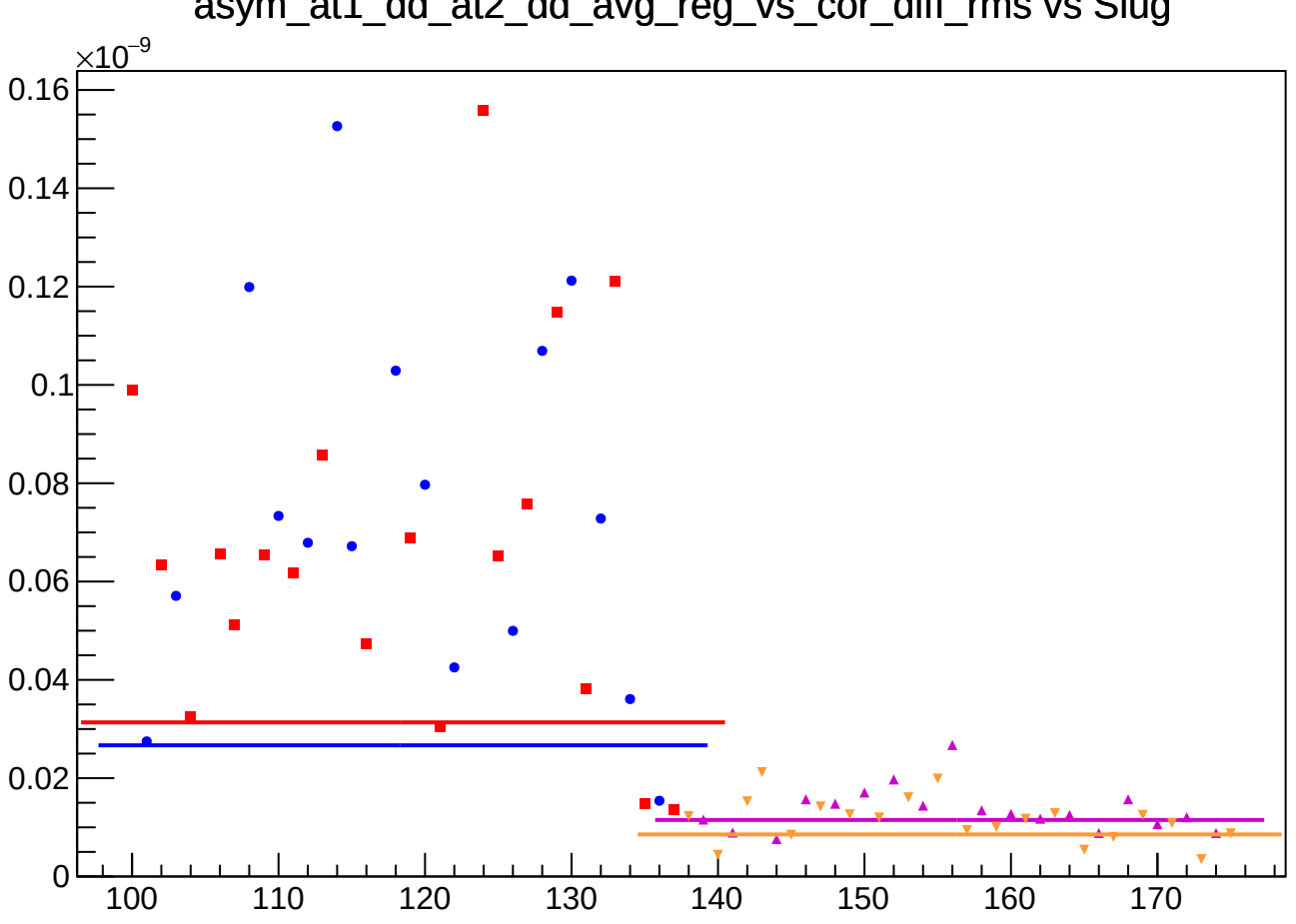
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/35

All: 0.000+/-0.000 χ^2/NDF: 74.9/72

- sign -0.000+/-0.000 χ^2/NDF: 38.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1998162.4/19

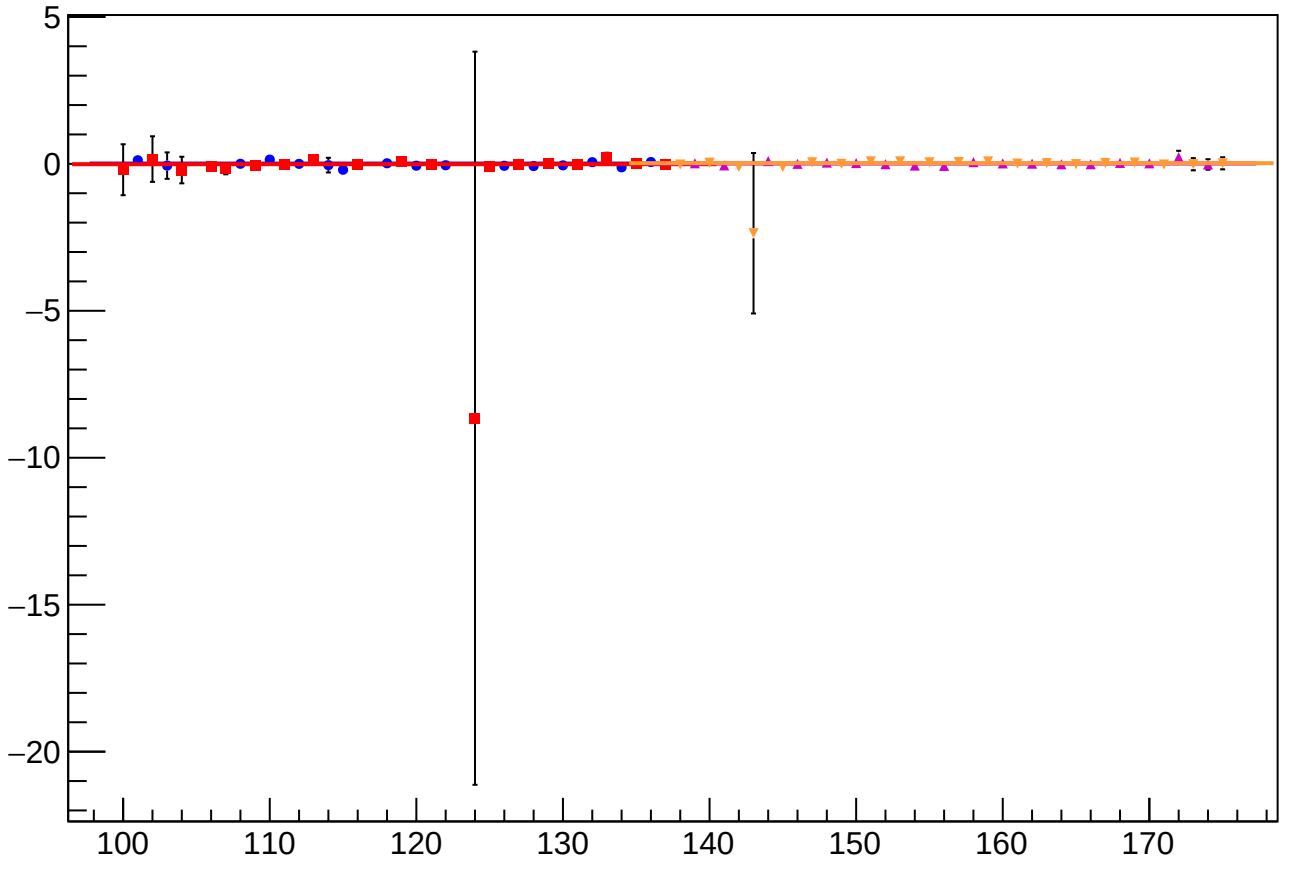
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:892877.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 6355599.7/35

All: 0.000+/-0.000 χ^2/NDF: 11516519.0/72

- sign 0.000+/-0.000 χ^2/NDF: 4674351.2/36



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

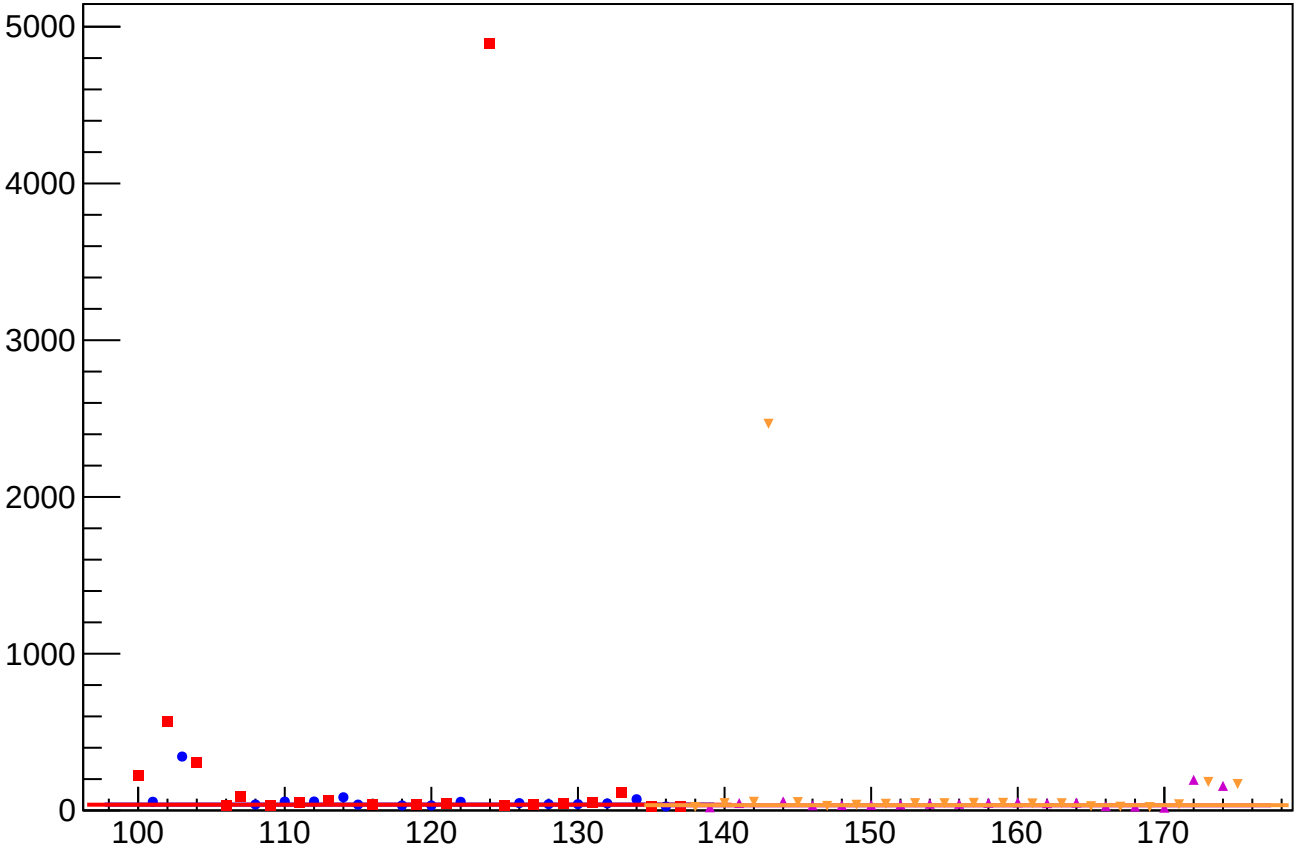
Left In: 0.010+/-0.010 χ^2/NDF:11.9/17

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/35

All: 0.011+/-0.006 χ^2/NDF: 65.2/72

- sign 0.004+/-0.009 χ^2/NDF: 25.9/36

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.667+/-0.007 χ^2/NDF:5853305.7/19

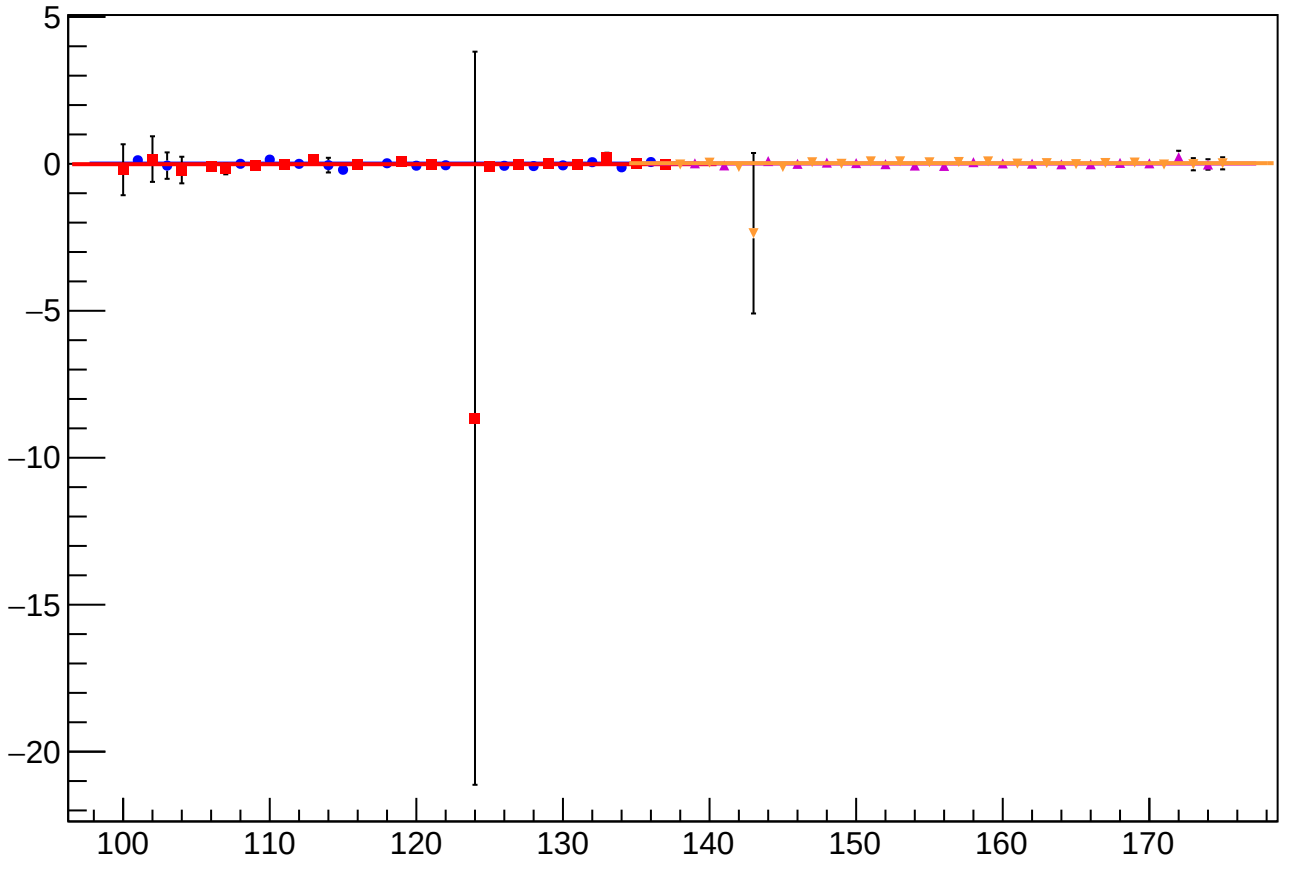
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.619+/-0.007 χ^2/NDF:4812878.9/17

\+ sign 34.769+/-0.006 χ^2/NDF: 7917288.7/35

All: 34.237+/-0.004 χ^2/NDF: 16027623.2/72

\- sign 33.715+/-0.006 χ^2/NDF: 8095269.6/36



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

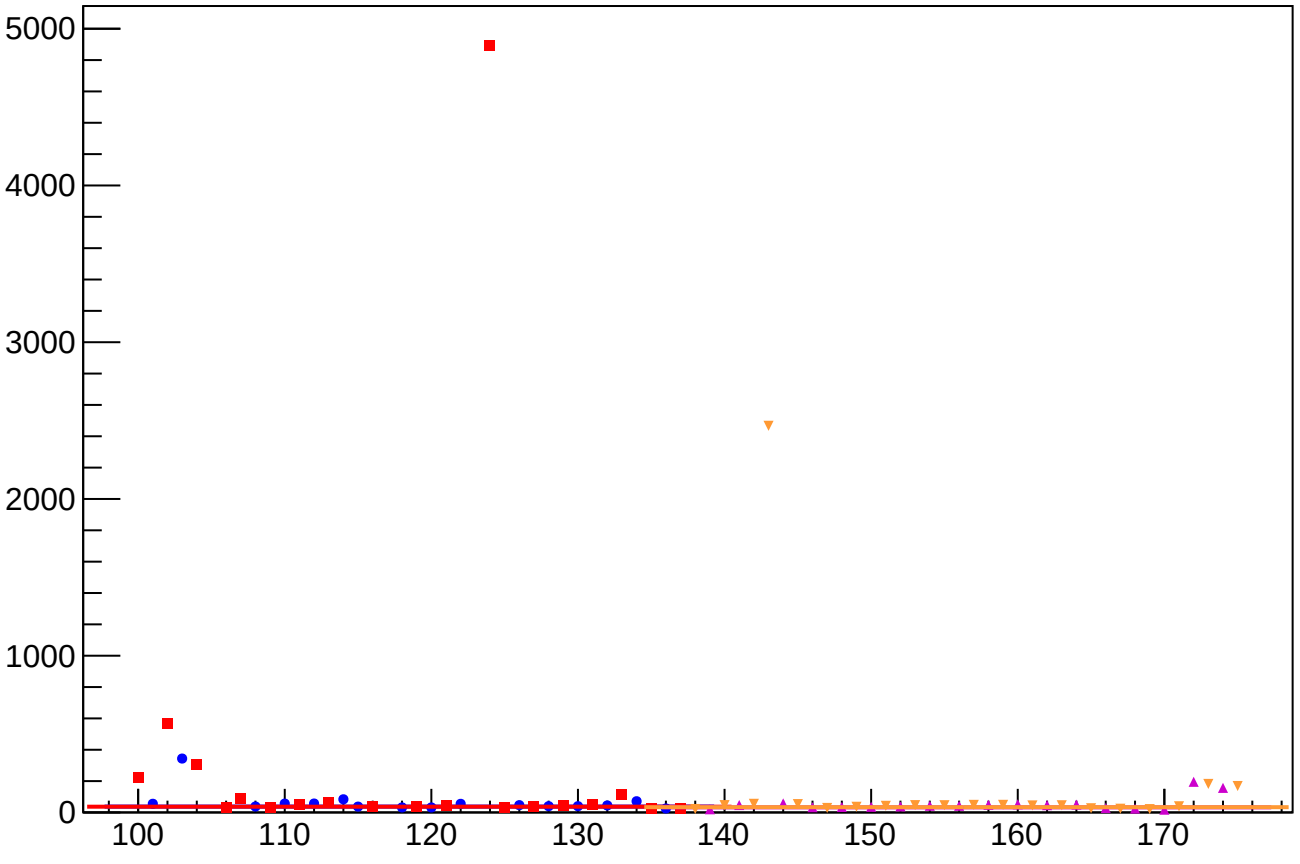
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:11.9/17

\+ sign 0.019+/-0.009 χ^2/NDF: 37.9/35

All: 0.011+/-0.006 χ^2/NDF: 65.2/72

\- sign 0.004+/-0.009 χ^2/NDF: 25.9/36



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.667+/-0.007 χ^2/NDF:5853305.7/19

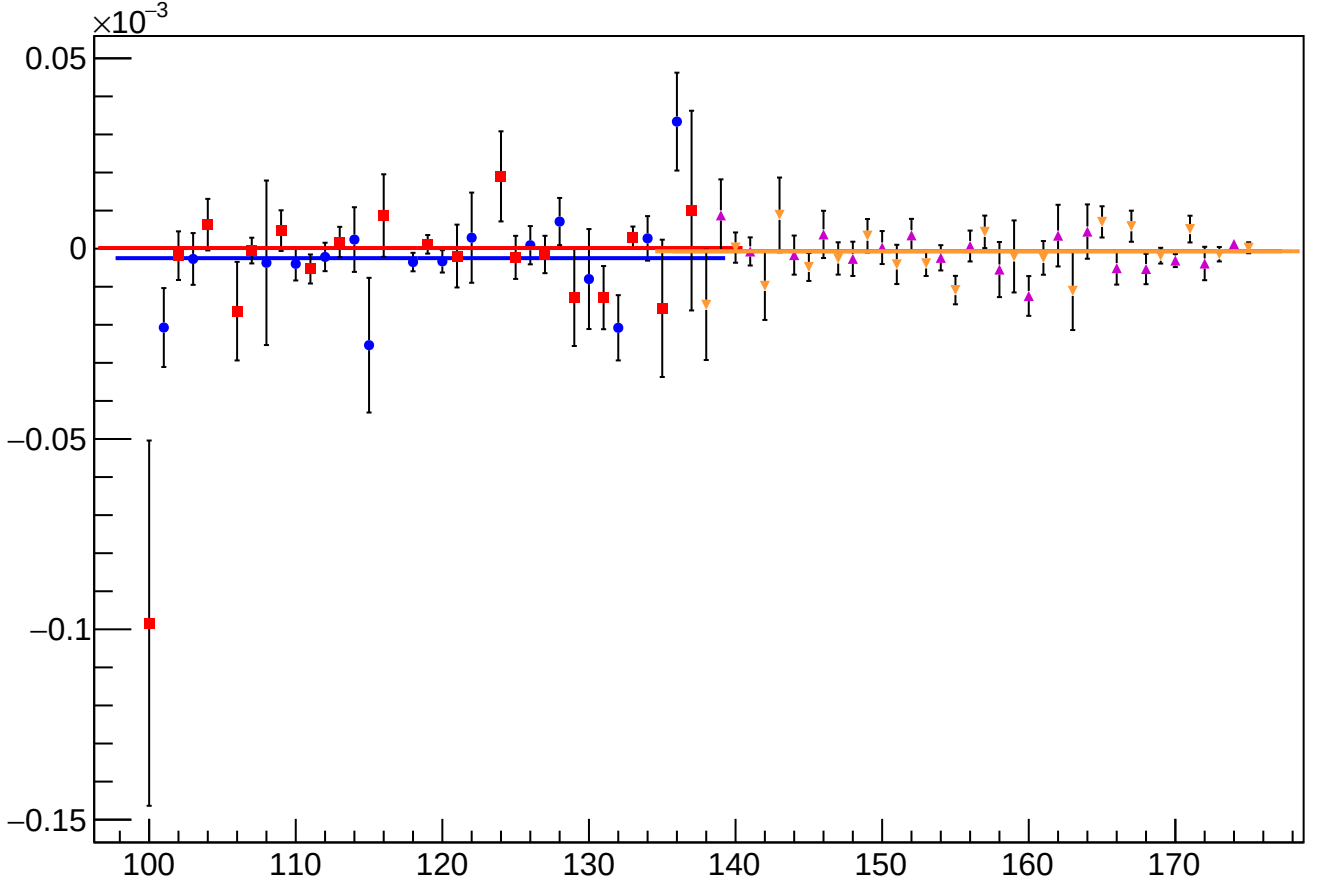
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.619+/-0.007 χ^2/NDF:4812878.9/17

+ sign 34.769+/-0.006 χ^2/NDF: 7917288.7/35

All: 34.237+/-0.004 χ^2/NDF: 16027623.2/72

- sign 33.715+/-0.006 χ^2/NDF: 8095269.6/36



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/19

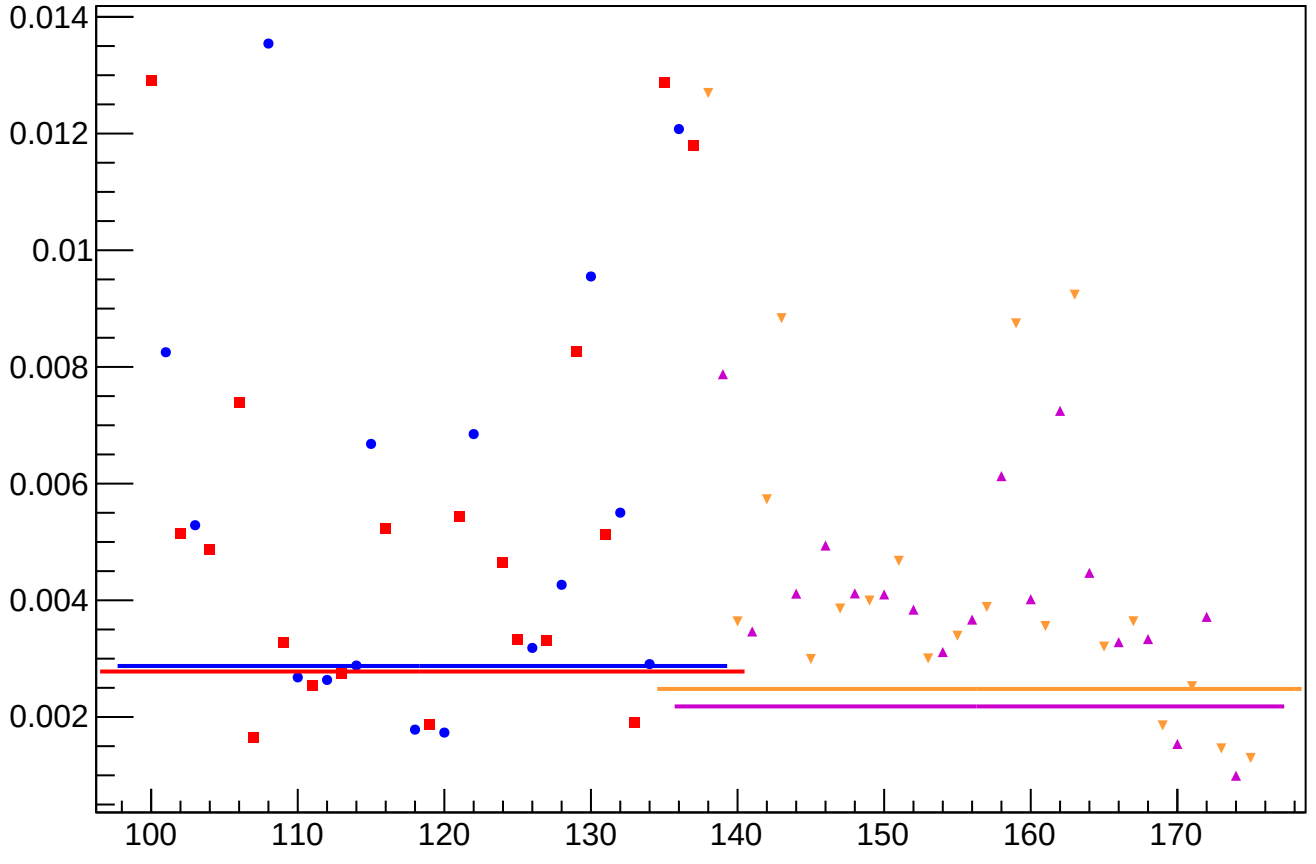
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 49.8/35

All: -0.000+/-0.000 χ^2/NDF: 87.1/72

- sign -0.000+/-0.000 χ^2/NDF: 36.7/36



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:7693908.4/19

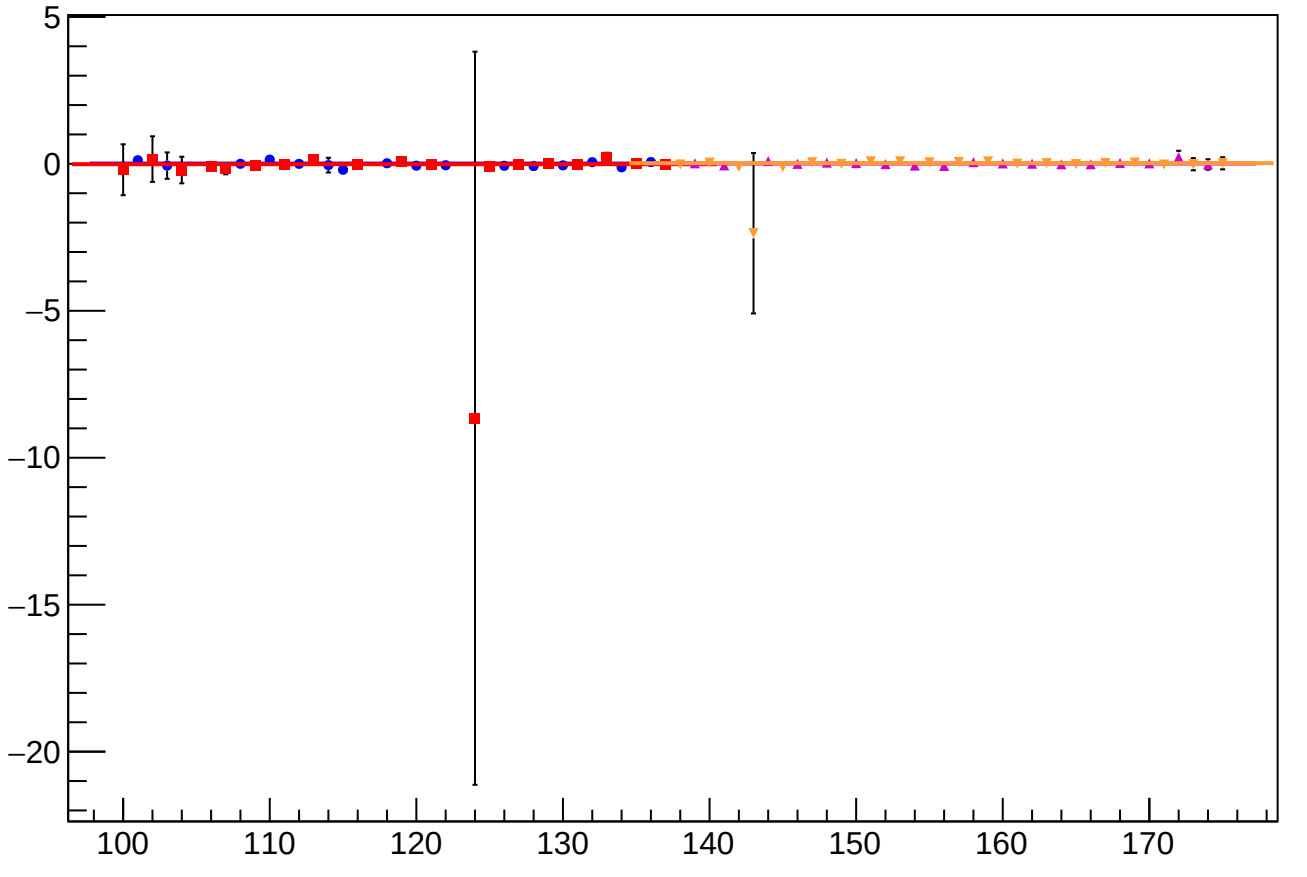
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:8209974.0/17

+ sign 0.003+/-0.000 χ^2/NDF: 11983029.3/35

All: 0.002+/-0.000 χ^2/NDF: 24015967.6/72

- sign 0.002+/-0.000 χ^2/NDF: 11897971.2/36



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

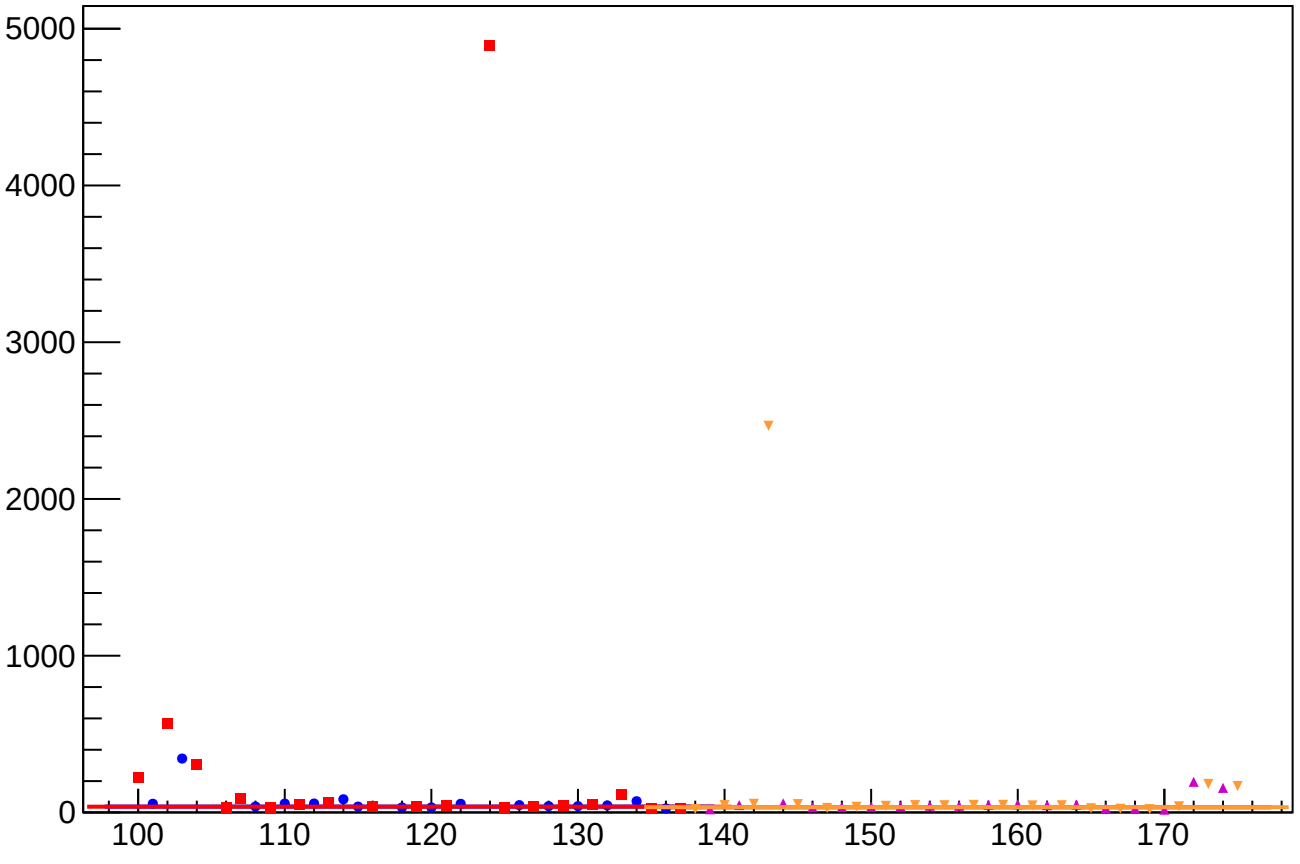
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:11.9/17

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/35

All: 0.011+/-0.006 χ^2/NDF: 65.2/72

- sign 0.004+/-0.009 χ^2/NDF: 25.9/36



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.666+/-0.007 χ^2/NDF:5853388.1/19

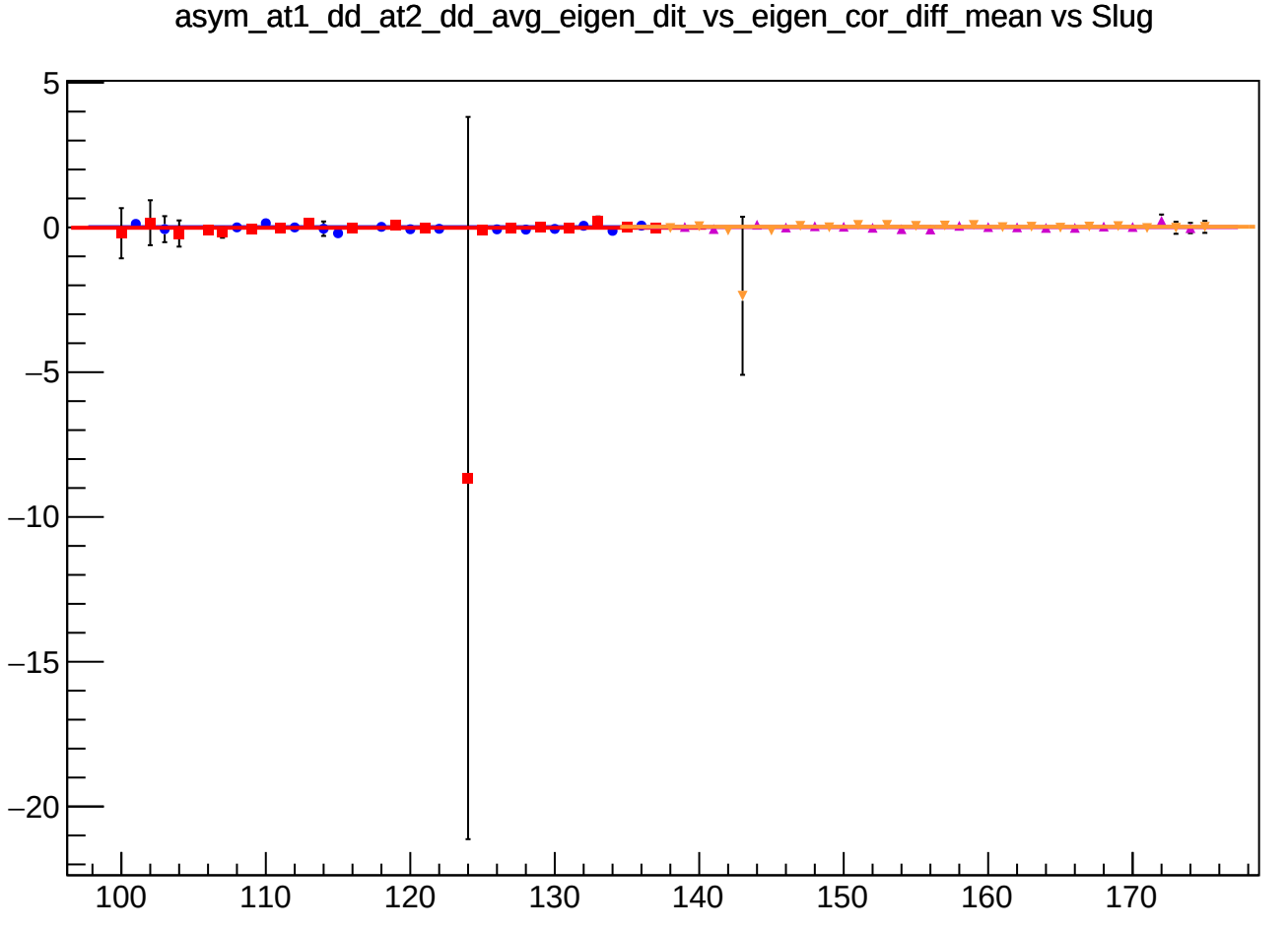
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.621+/-0.007 χ^2/NDF:4811697.3/17

+ sign 34.768+/-0.006 χ^2/NDF: 7917364.1/35

All: 34.237+/-0.004 χ^2/NDF: 16026112.3/72

- sign 33.717+/-0.006 χ^2/NDF: 8093759.4/36



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

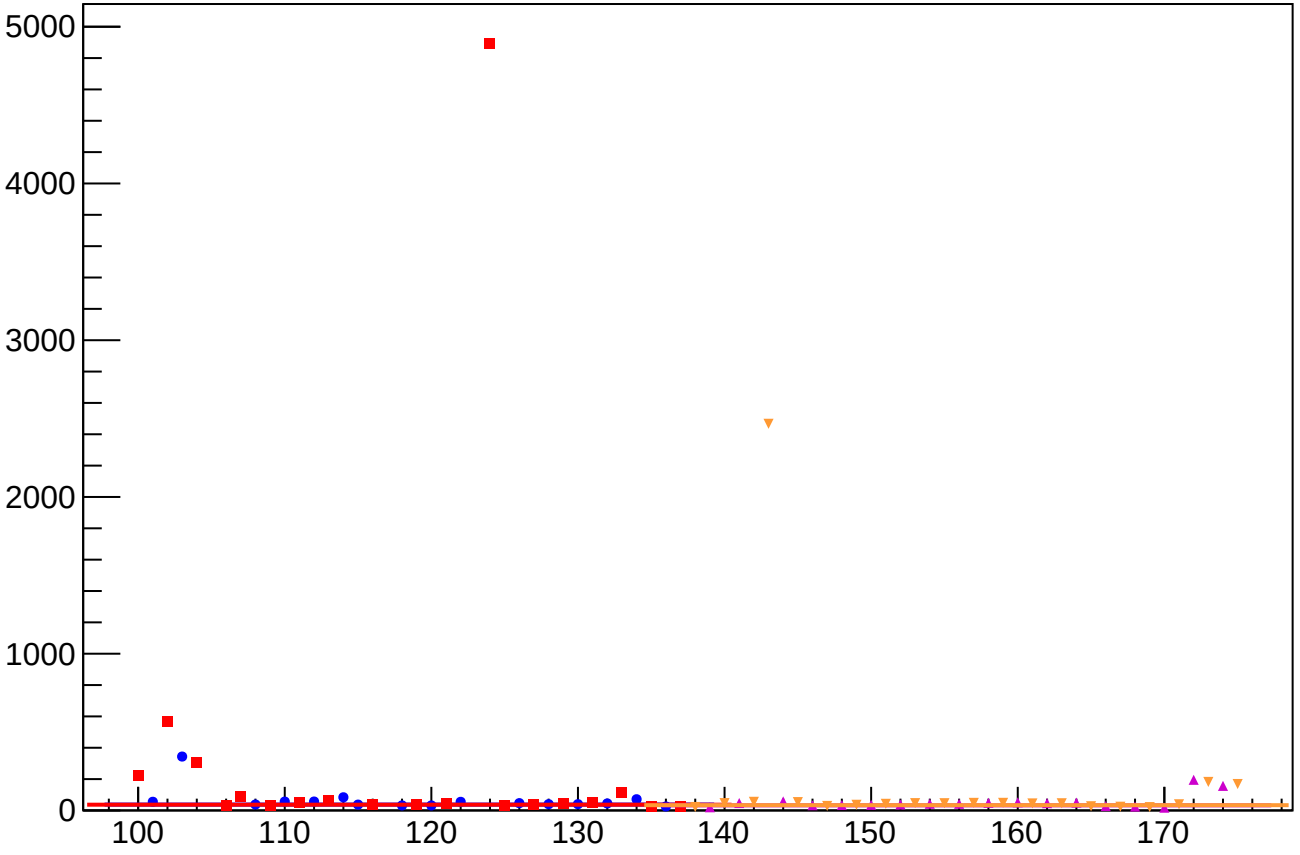
Left In: 0.010+/-0.010 χ^2/NDF:11.9/17

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/35

All: 0.011+/-0.006 χ^2/NDF: 65.2/72

- sign 0.004+/-0.009 χ^2/NDF: 25.9/36

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.666+/-0.007 χ^2/NDF:5853388.1/19

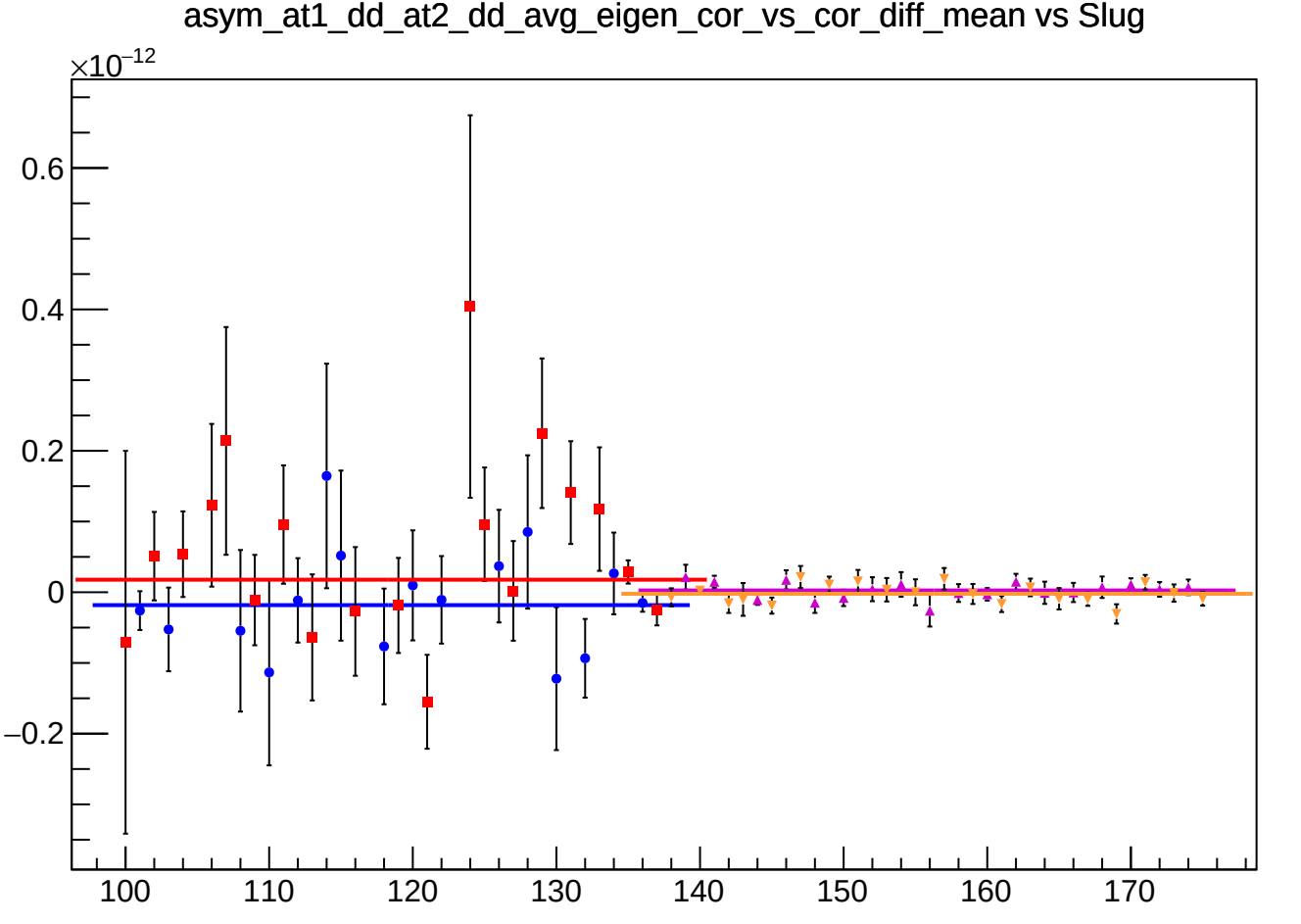
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.621+/-0.007 χ^2/NDF:4811697.3/17

+ sign 34.768+/-0.006 χ^2/NDF: 7917364.1/35

All: 34.237+/-0.004 χ^2/NDF: 16026112.3/72

- sign 33.717+/-0.006 χ^2/NDF: 8093759.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/19

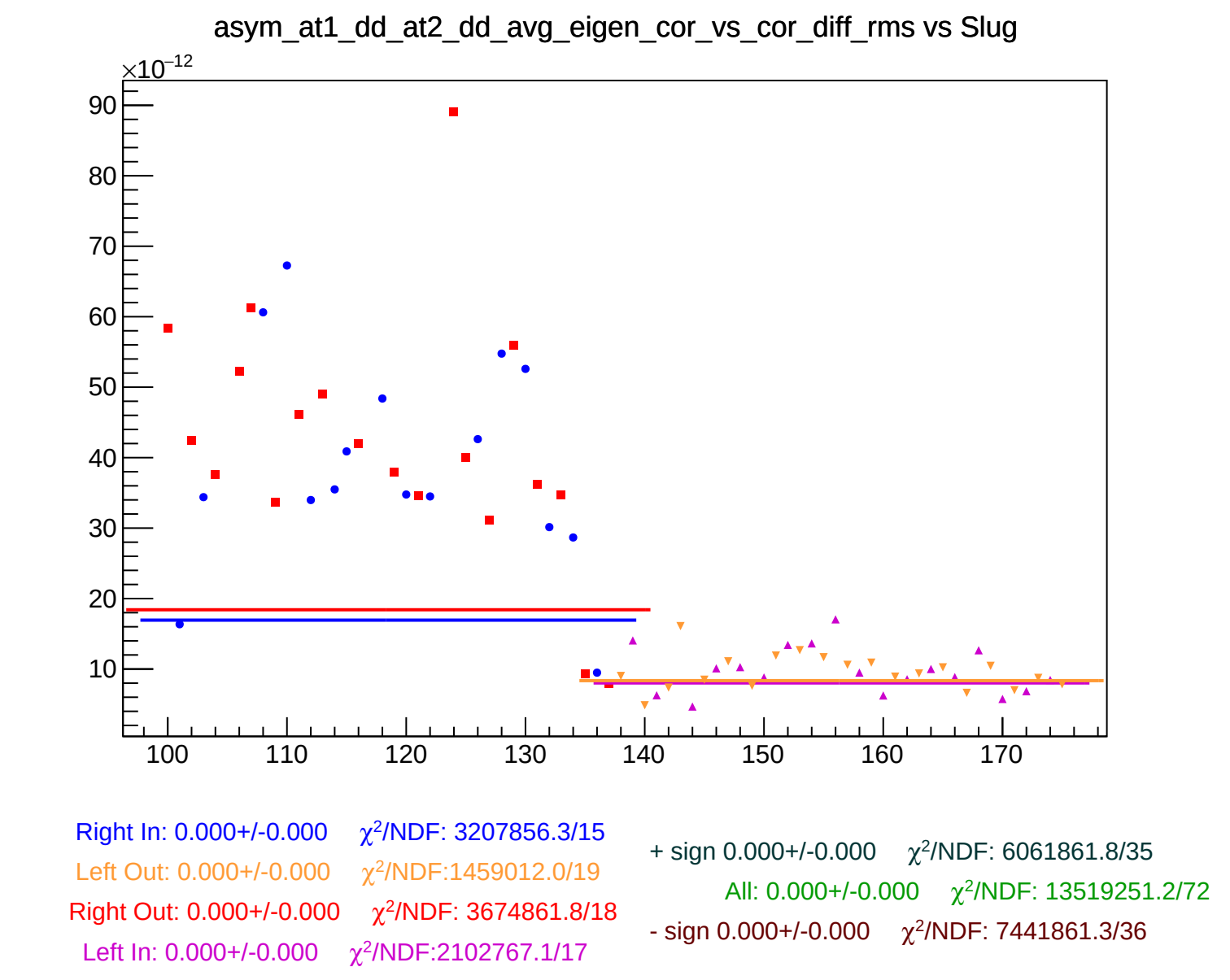
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:15.0/17

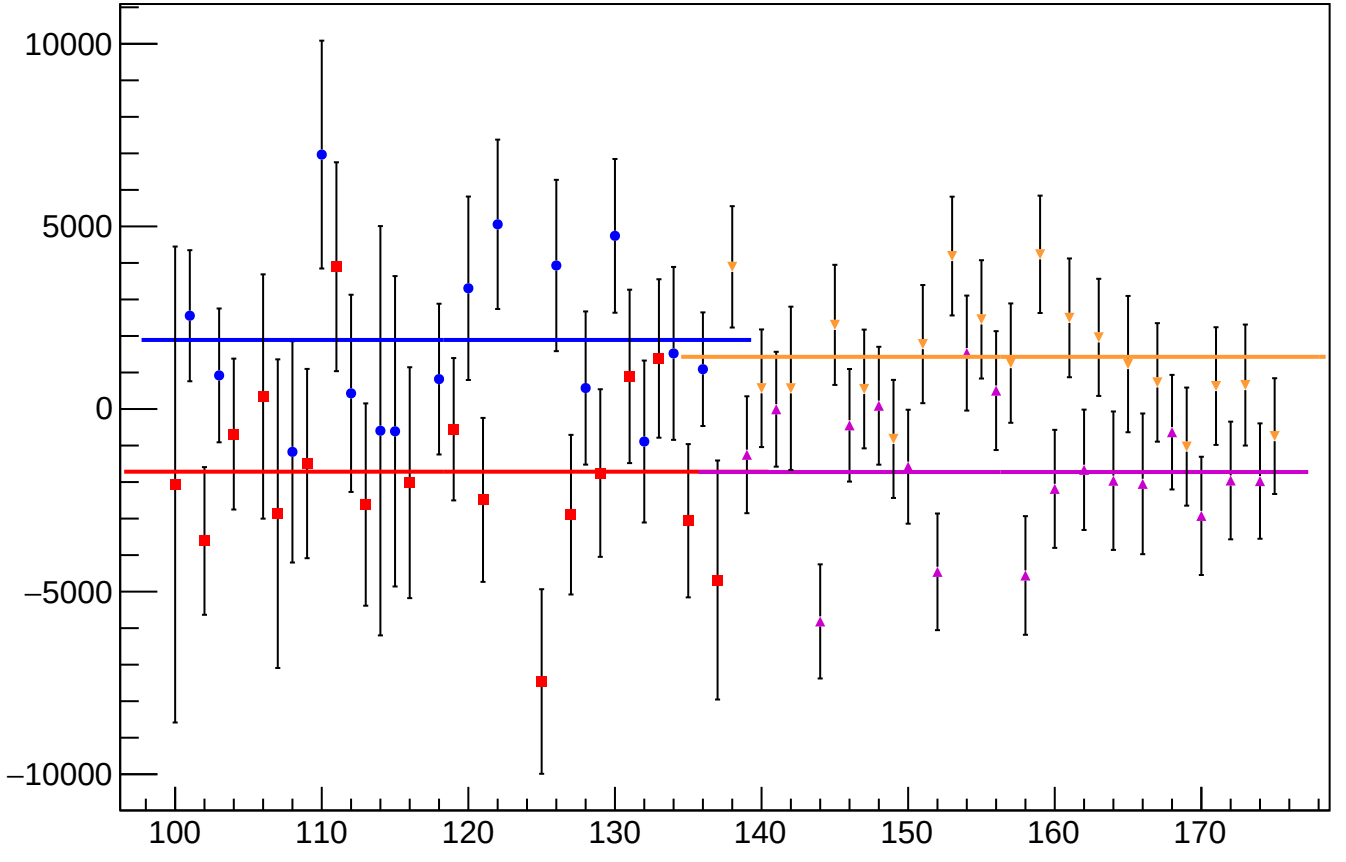
\+ sign -0.000+/-0.000 χ^2/NDF: 31.8/35

All: 0.000+/-0.000 χ^2/NDF: 79.1/72

\- sign 0.000+/-0.000 χ^2/NDF: 44.1/36


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1459012.0/19
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:2102767.1/17
+ sign 0.000+/-0.000 χ²/NDF: 6061861.8/35
All: 0.000+/-0.000 χ²/NDF: 13519251.2/72
- sign 0.000+/-0.000 χ²/NDF: 7441861.3/36

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1429.333+/-379.416 χ^2/NDF:16.9/18

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

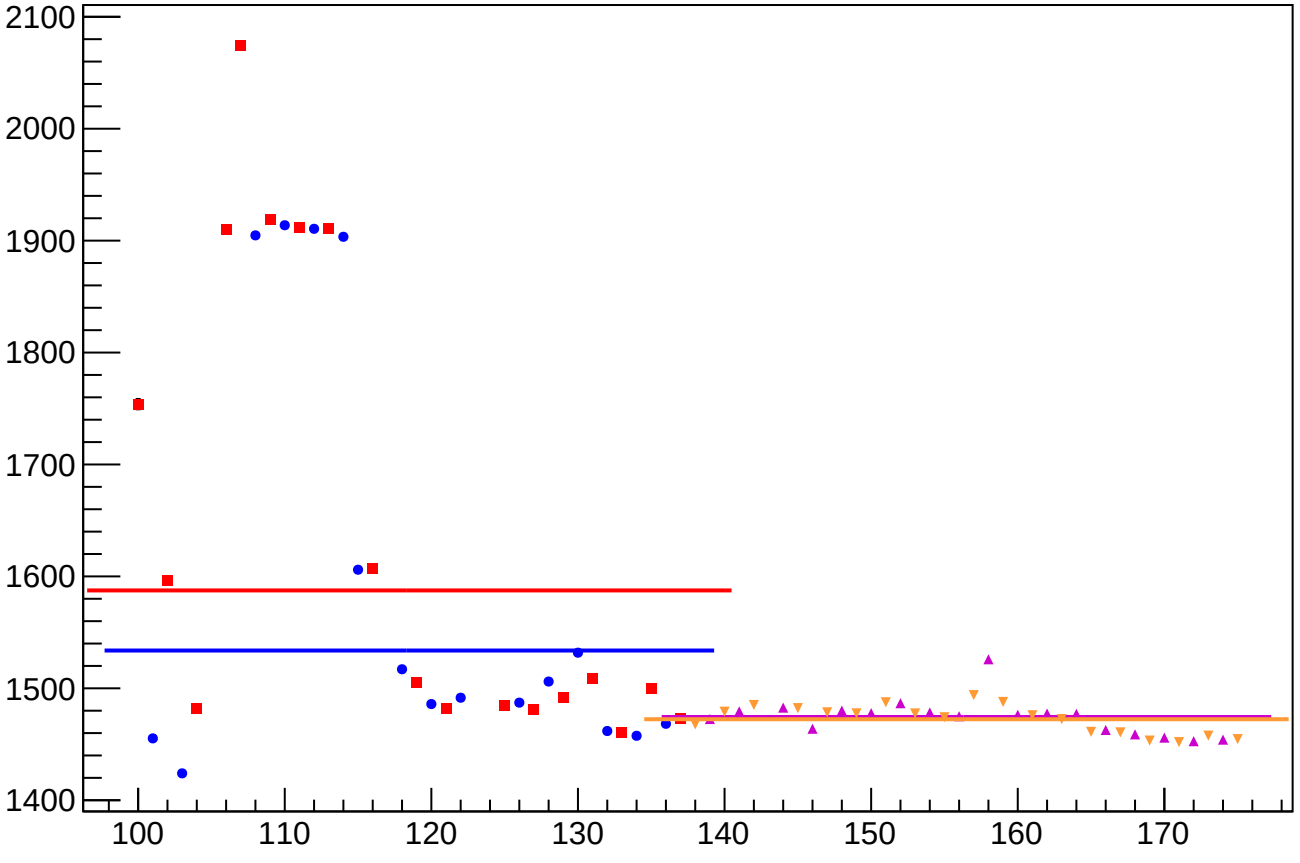
Left In: -1725.035+/-382.202 χ^2/NDF:23.4/17

+ sign 1570.451+/-316.223 χ^2/NDF: 29.6/34

All: -52.799+/-225.169 χ^2/NDF: 122.5/70

- sign -1722.334+/-320.700 χ^2/NDF: 39.4/35

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1472.385+/-0.268 χ^2/NDF:2163.5/18

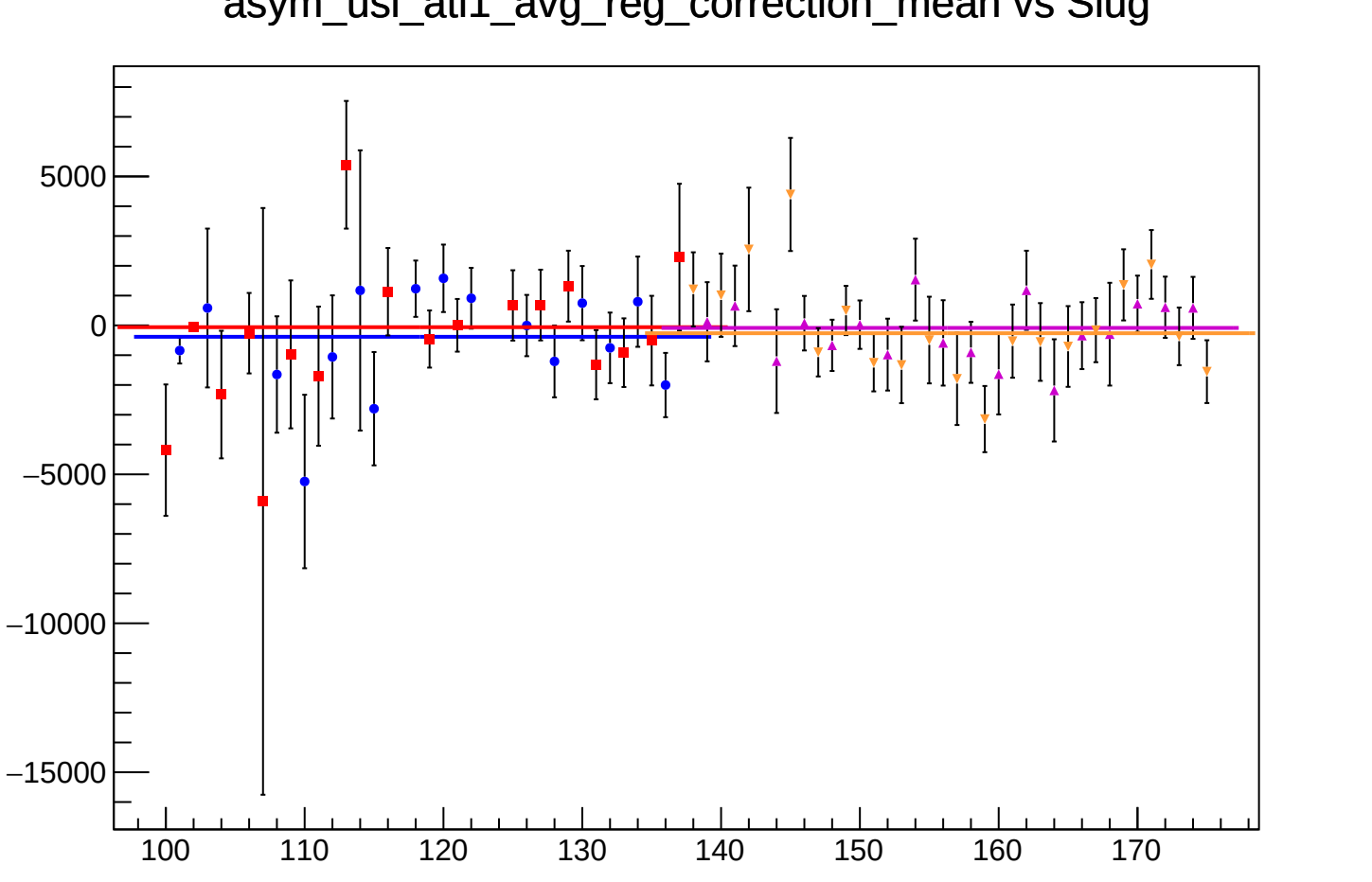
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1474.376+/-0.270 χ^2/NDF:3586.9/17

+ sign 1491.131+/-0.224 χ^2/NDF: 147421.5/34

All: 1499.369+/-0.159 χ^2/NDF: 377565.6/70

- sign 1507.843+/-0.227 χ^2/NDF: 227390.4/35



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -263.155+/-266.151 χ^2/NDF:28.6/18

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

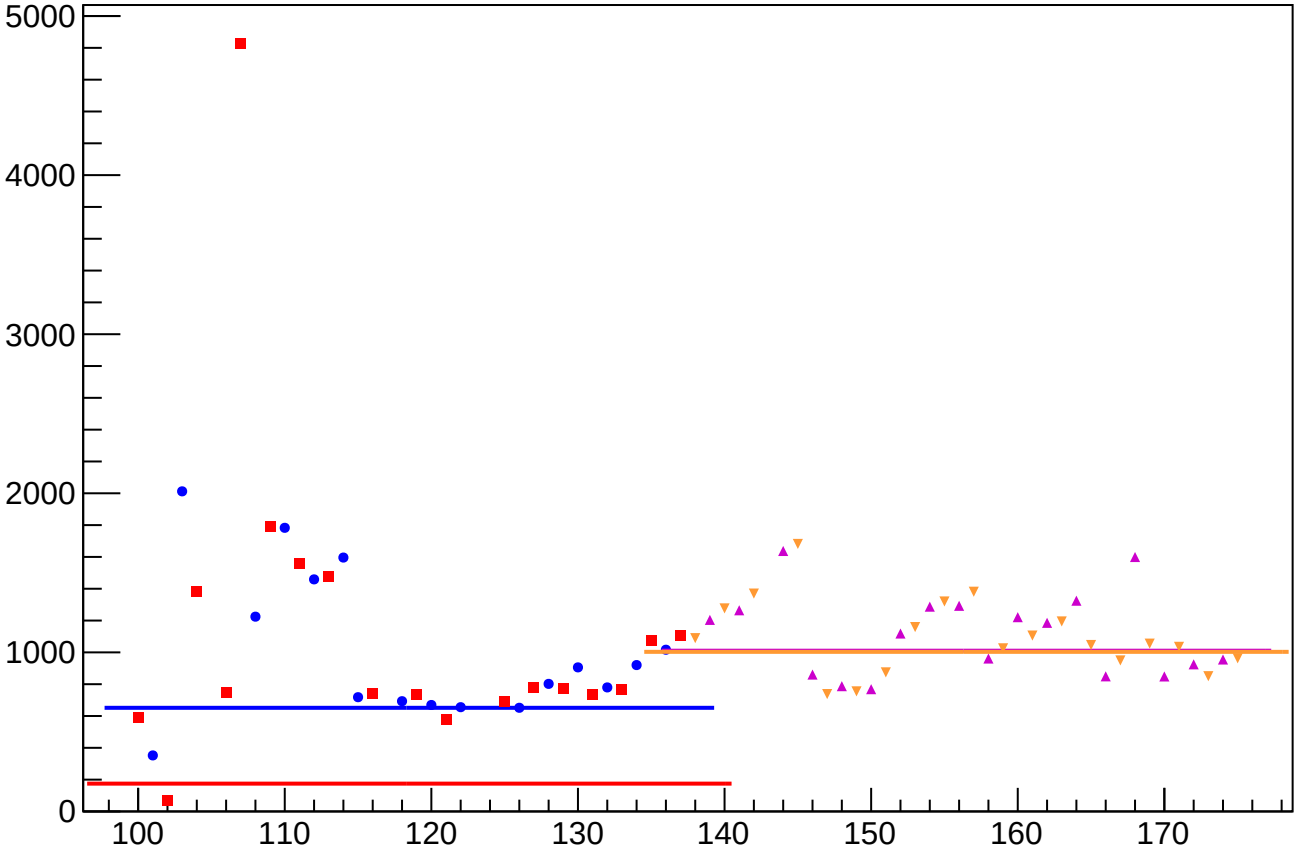
Left In: -84.766+/-269.889 χ^2/NDF:9.3/17

+ sign -321.625+/-190.303 χ^2/NDF: 46.9/34

All: -133.662+/-98.694 χ^2/NDF: 75.4/70

- sign -64.506+/-115.431 χ^2/NDF: 27.1/35

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1003.303+/-0.188 χ^2/NDF:1199937.5/18

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

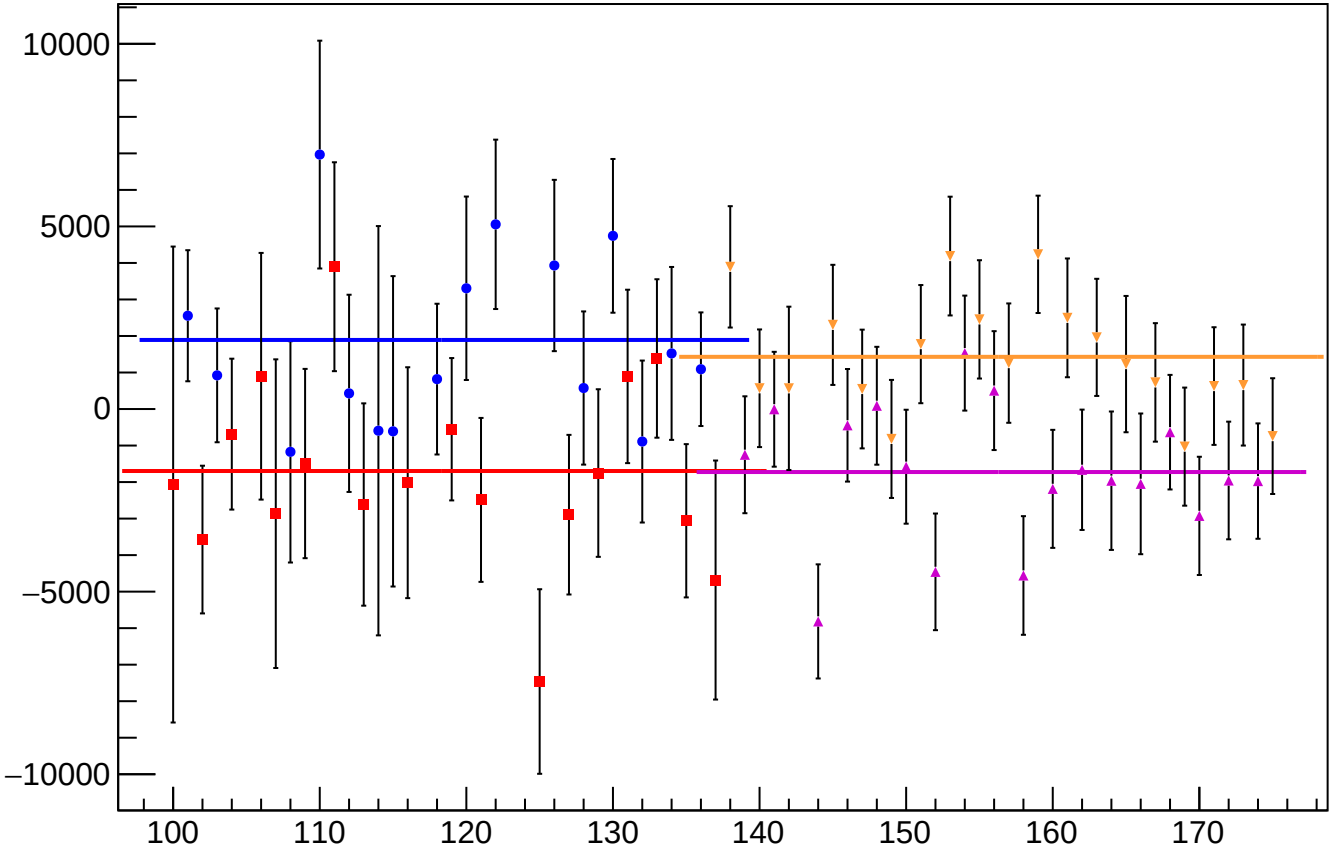
Left In: 1010.492+/-0.191 χ^2/NDF:1420179.3/17

+ sign 831.371+/-0.135 χ^2/NDF: 5670262.4/34

All: 463.206+/-0.070 χ^2/NDF: 42755648.8/70

- sign 327.750+/-0.082 χ^2/NDF: 26845694.1/35

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1429.319+/-379.416 χ^2/NDF:16.9/18

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

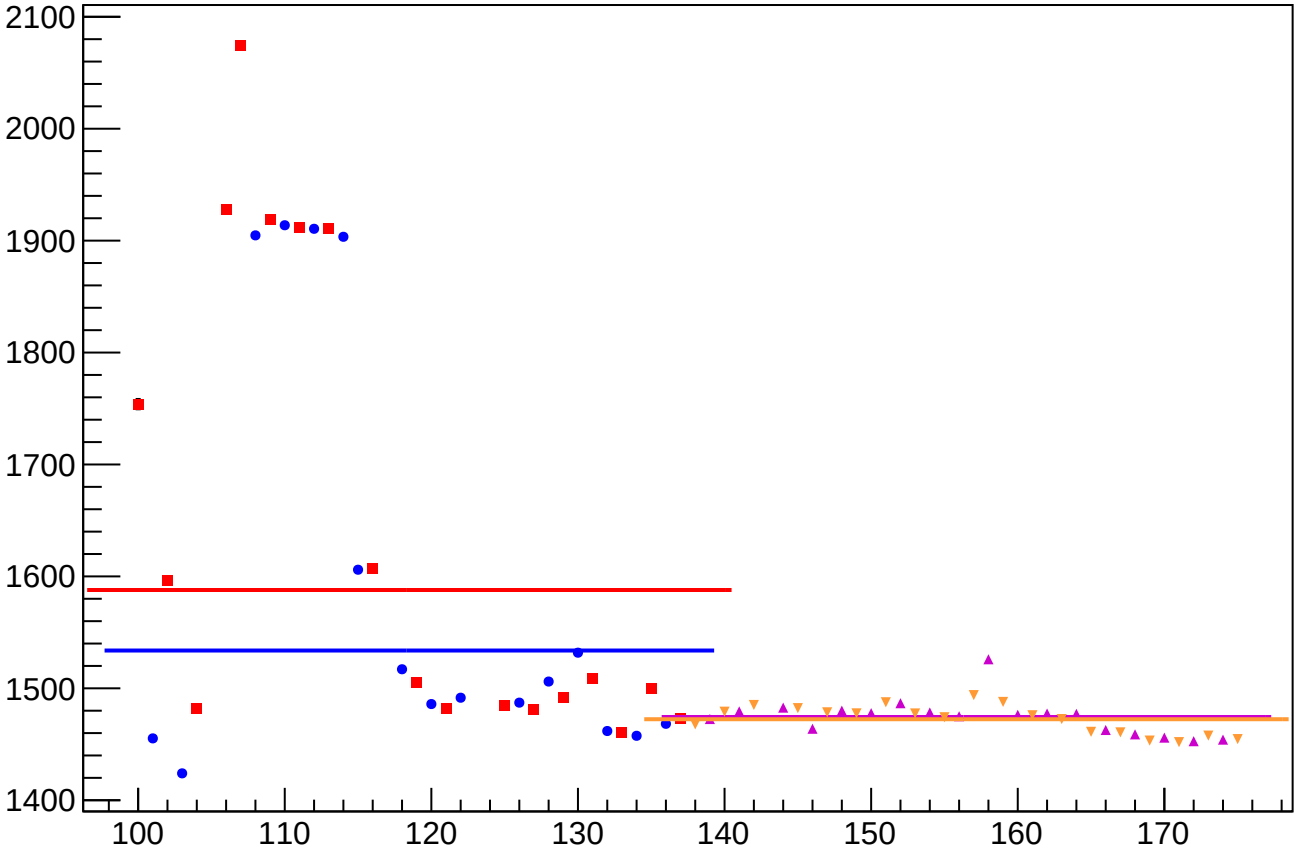
Left In: -1725.111+/-382.202 χ^2/NDF:23.4/17

+ sign 1570.474+/-316.223 χ^2/NDF: 29.6/34

All: -49.906+/-225.180 χ^2/NDF: 122.5/70

- sign -1716.792+/-320.729 χ^2/NDF: 39.6/35

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1472.385+/-0.268 χ^2/NDF:2163.5/18

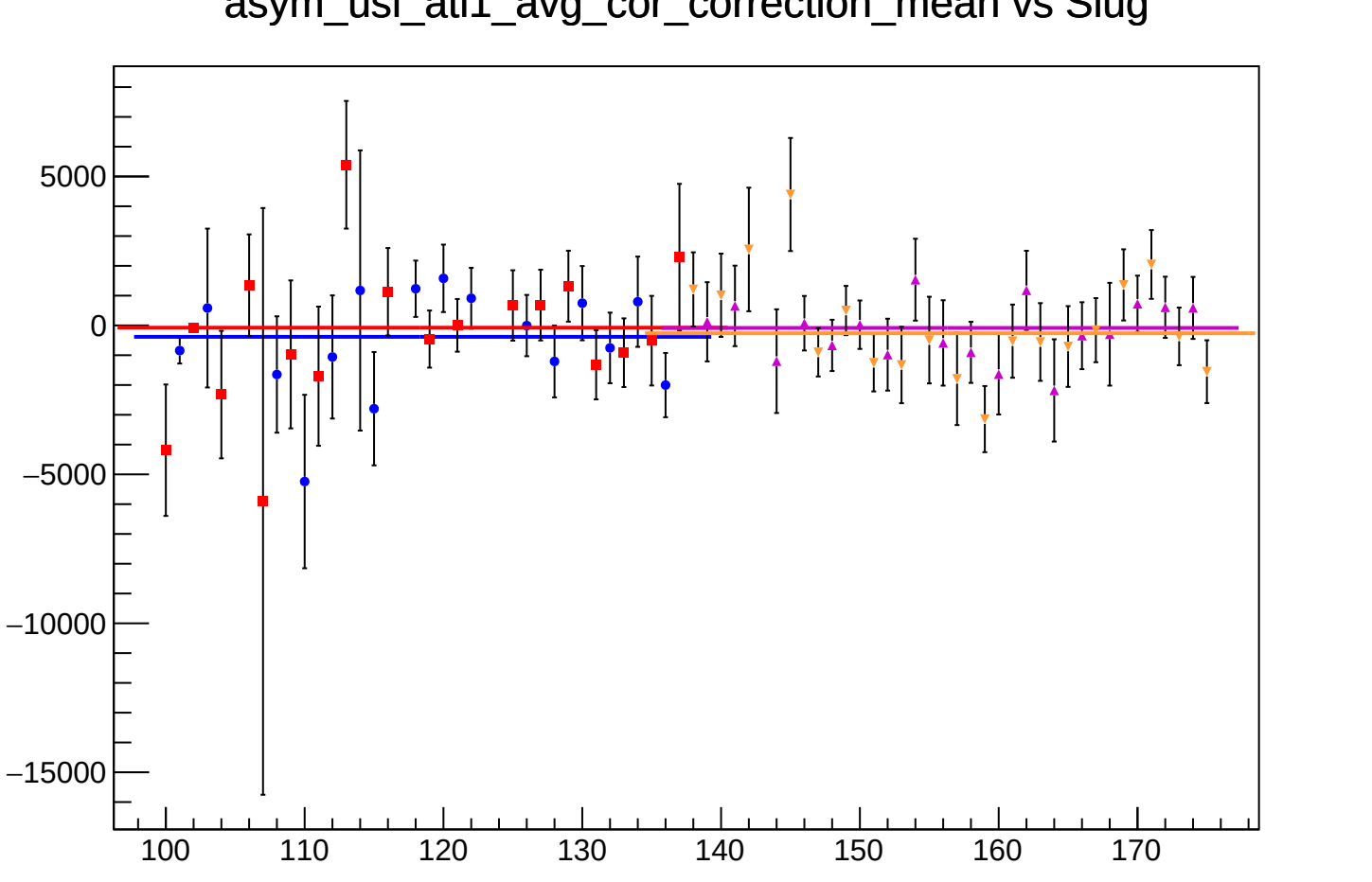
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1474.376+/-0.270 χ^2/NDF:3586.9/17

+ sign 1491.131+/-0.224 χ^2/NDF: 147421.5/34

All: 1499.417+/-0.159 χ^2/NDF: 379707.6/70

- sign 1507.942+/-0.227 χ^2/NDF: 229499.8/35



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -263.165+/-266.151 χ^2/NDF:28.6/18

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

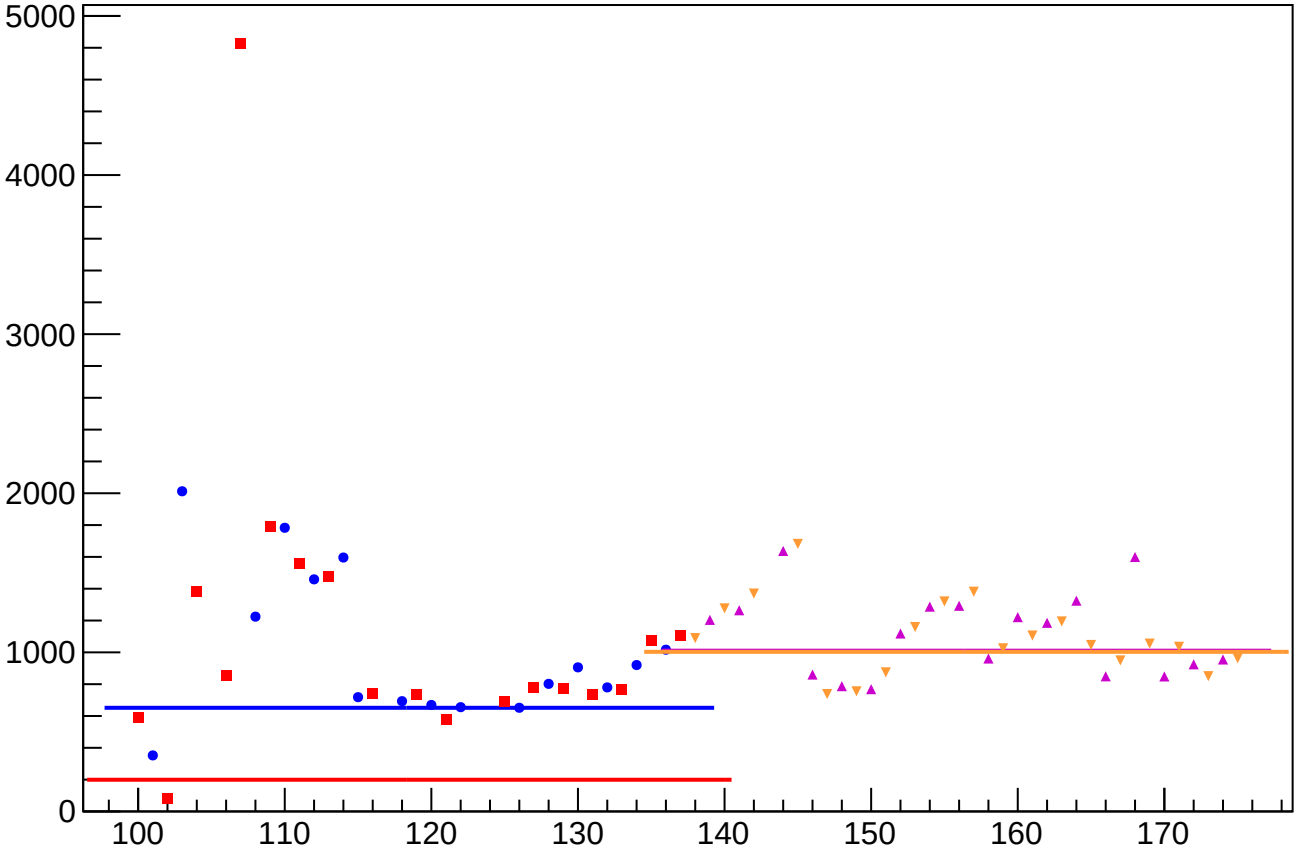
Left In: -84.824+/-269.890 χ^2/NDF:9.3/17

+ sign -321.618+/-190.303 χ^2/NDF: 46.9/34

All: -150.059+/-103.281 χ^2/NDF: 75.9/70

- sign -78.429+/-122.966 χ^2/NDF: 27.8/35

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1003.306+/-0.188 χ^2/NDF:1199954.0/18

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

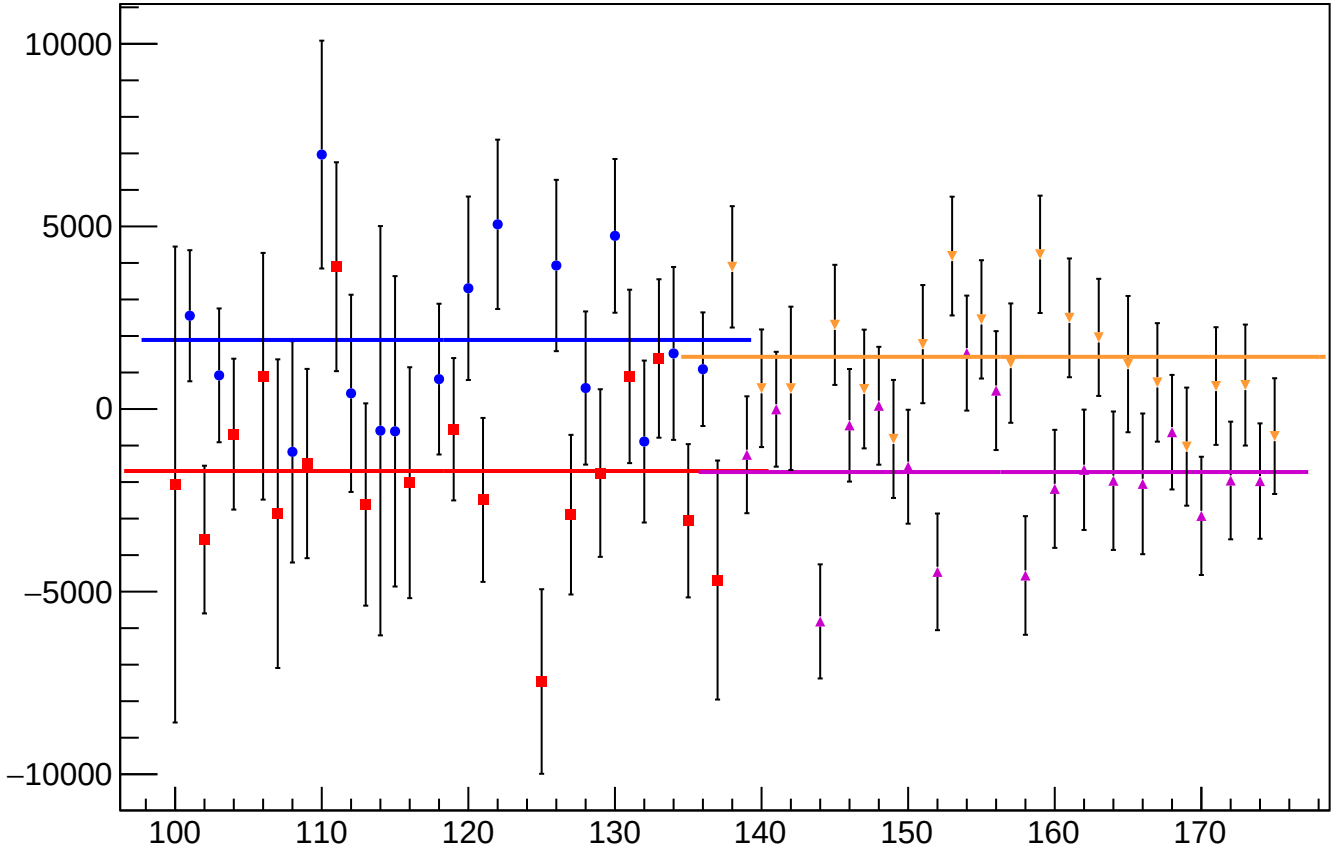
Left In: 1010.493+/-0.191 χ^2/NDF:1420270.0/17

+ sign 831.371+/-0.135 χ^2/NDF: 5670341.1/34

All: 504.292+/-0.073 χ^2/NDF: 39065893.2/70

- sign 367.728+/-0.087 χ^2/NDF: 25020686.1/35

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1429.319+/-379.416 χ^2/NDF:16.9/18

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

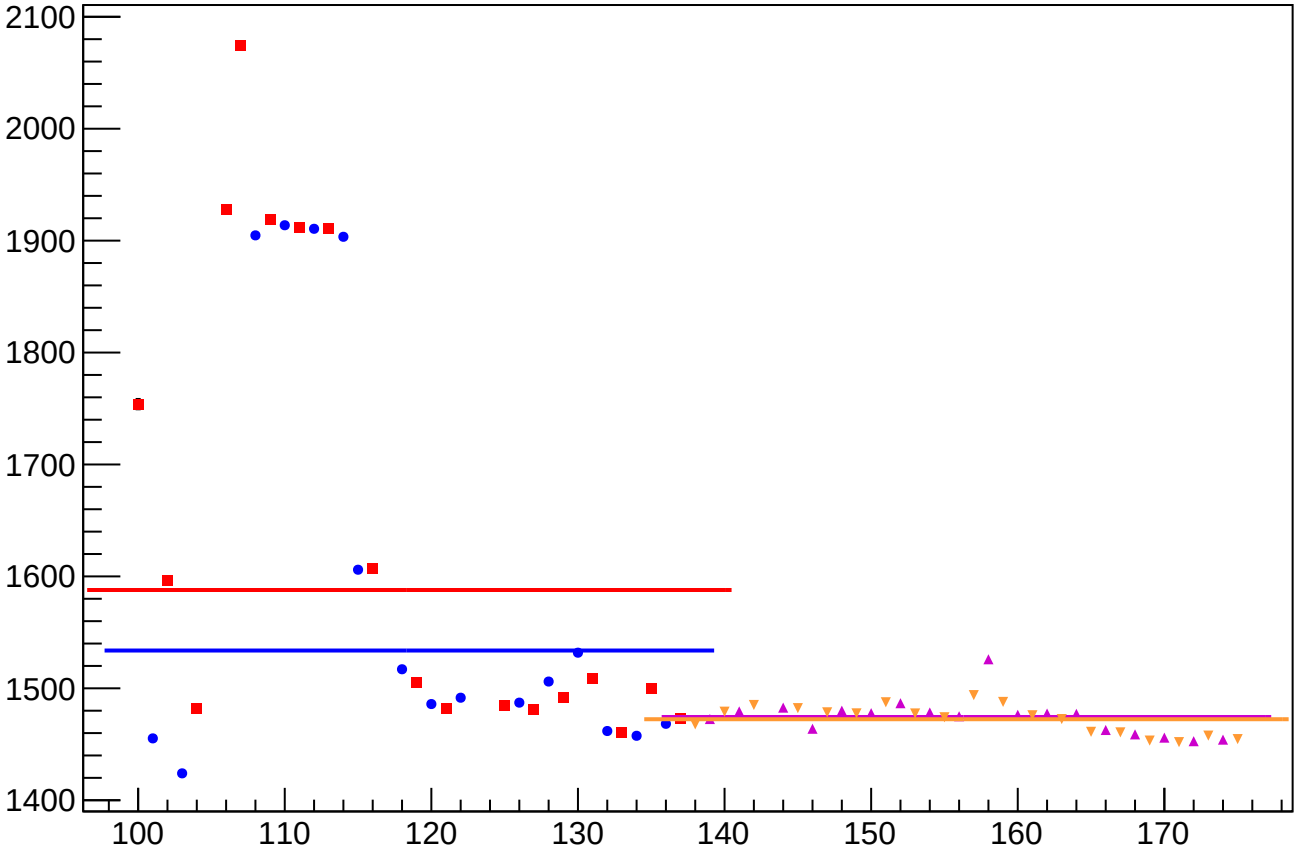
Left In: -1725.111+/-382.202 χ^2/NDF:23.4/17

+ sign 1570.474+/-316.223 χ^2/NDF: 29.6/34

All: -49.906+/-225.180 χ^2/NDF: 122.5/70

- sign -1716.792+/-320.729 χ^2/NDF: 39.6/35

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1472.385+/-0.268 χ^2/NDF:2163.5/18

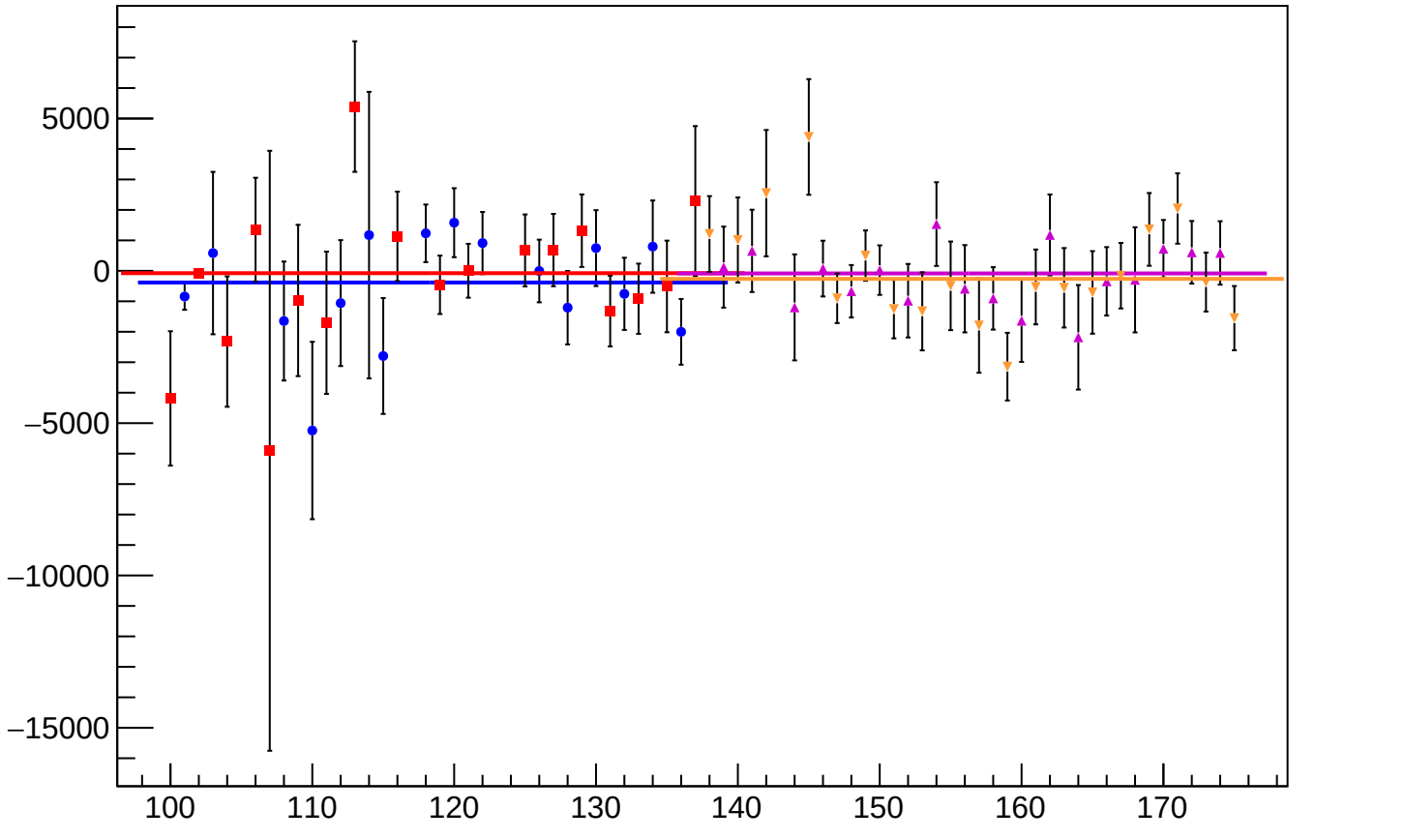
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1474.376+/-0.270 χ^2/NDF:3586.9/17

+ sign 1491.131+/-0.224 χ^2/NDF: 147421.5/34

All: 1499.417+/-0.159 χ^2/NDF: 379707.6/70

- sign 1507.942+/-0.227 χ^2/NDF: 229499.8/35



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -263.165+/-266.151 χ^2/NDF:28.6/18

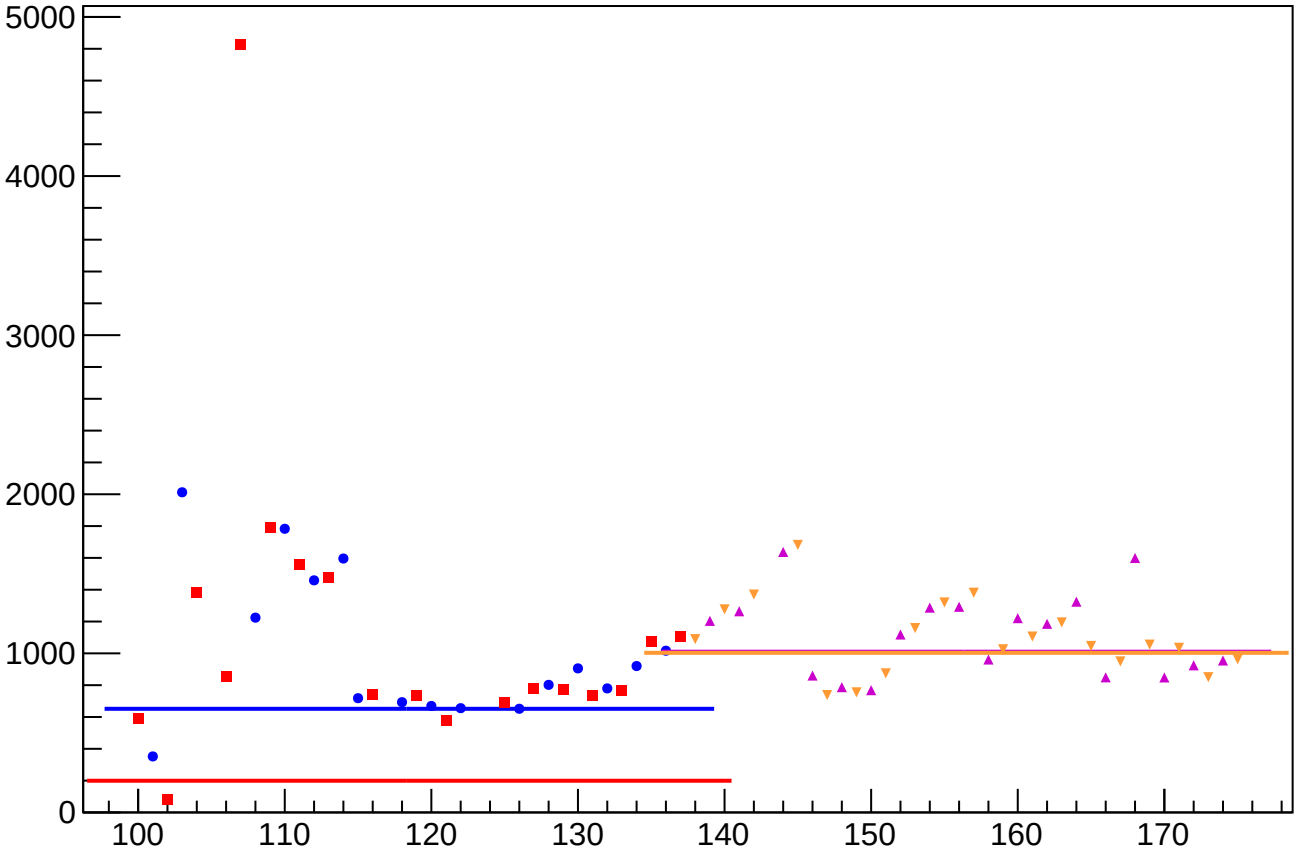
Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: -84.824+/-269.890 χ^2/NDF:9.3/17

+ sign -321.618+/-190.303 χ^2/NDF: 46.9/34

All: -150.059+/-103.281 χ^2/NDF: 75.9/70

- sign -78.429+/-122.966 χ^2/NDF: 27.8/35



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1003.306+/-0.188 χ^2/NDF:1199954.0/18

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

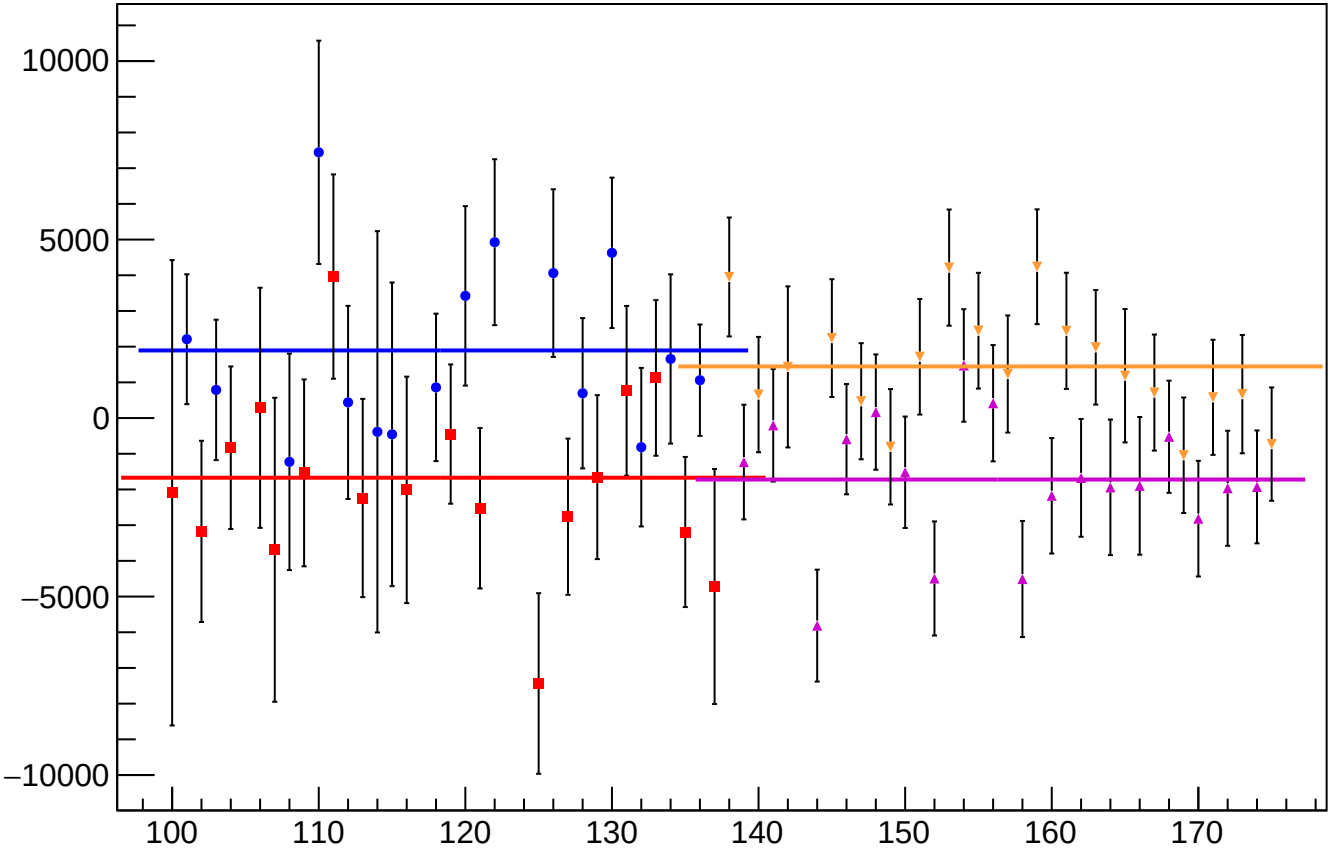
Left In: 1010.493+/-0.191 χ^2/NDF:1420270.0/17

+ sign 831.371+/-0.135 χ^2/NDF: 5670341.1/34

All: 504.292+/-0.073 χ^2/NDF: 39065893.2/70

- sign 367.728+/-0.087 χ^2/NDF: 25020686.1/35

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1445.717+/-380.049 χ^2/NDF:16.8/18

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

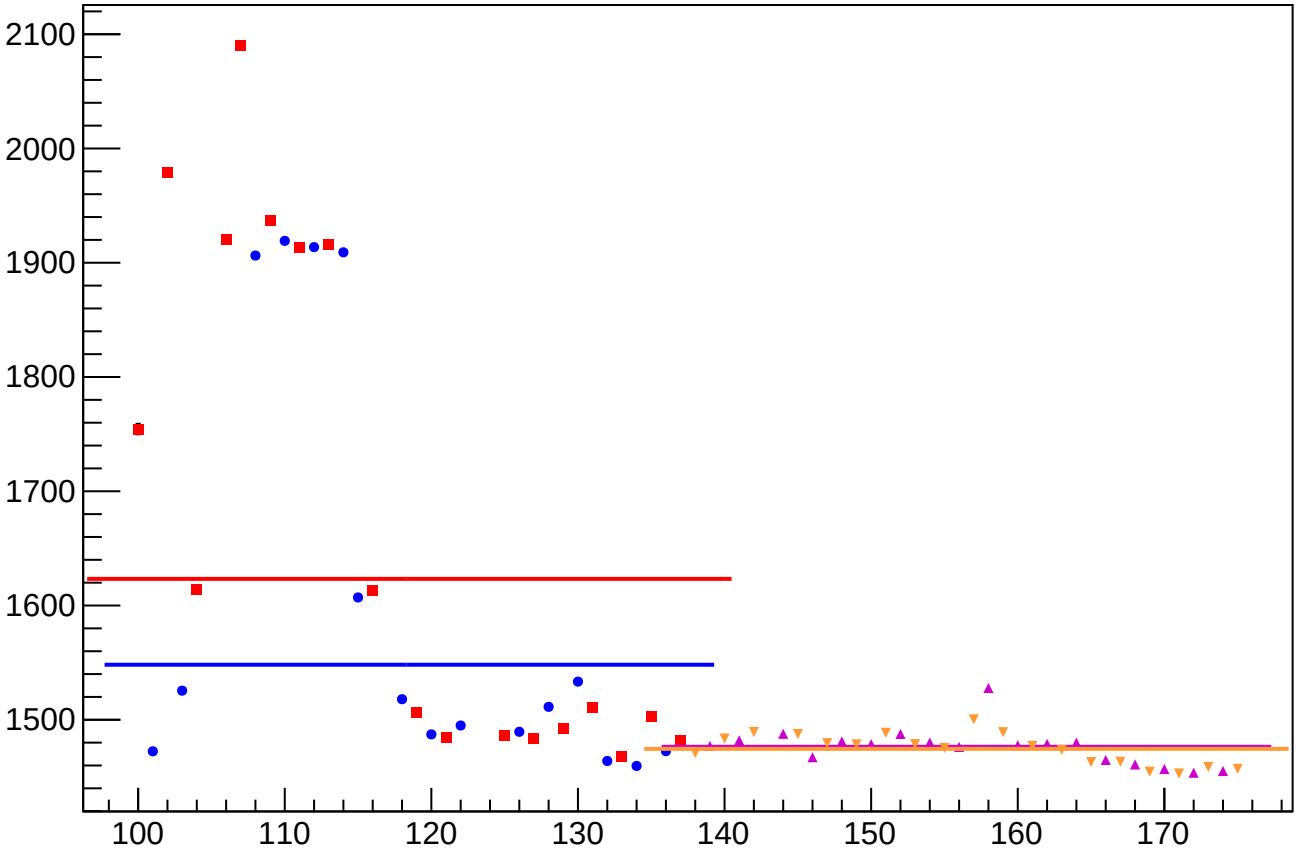
Left In: -1722.240+/-382.721 χ^2/NDF:22.7/17

+ sign 1581.199+/-317.492 χ^2/NDF: 29.5/34

All: -32.806+/-226.565 χ^2/NDF: 119.9/70

- sign -1707.571+/-323.413 χ^2/NDF: 37.8/35

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1474.555+/-0.269 χ^2/NDF:2400.0/18

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

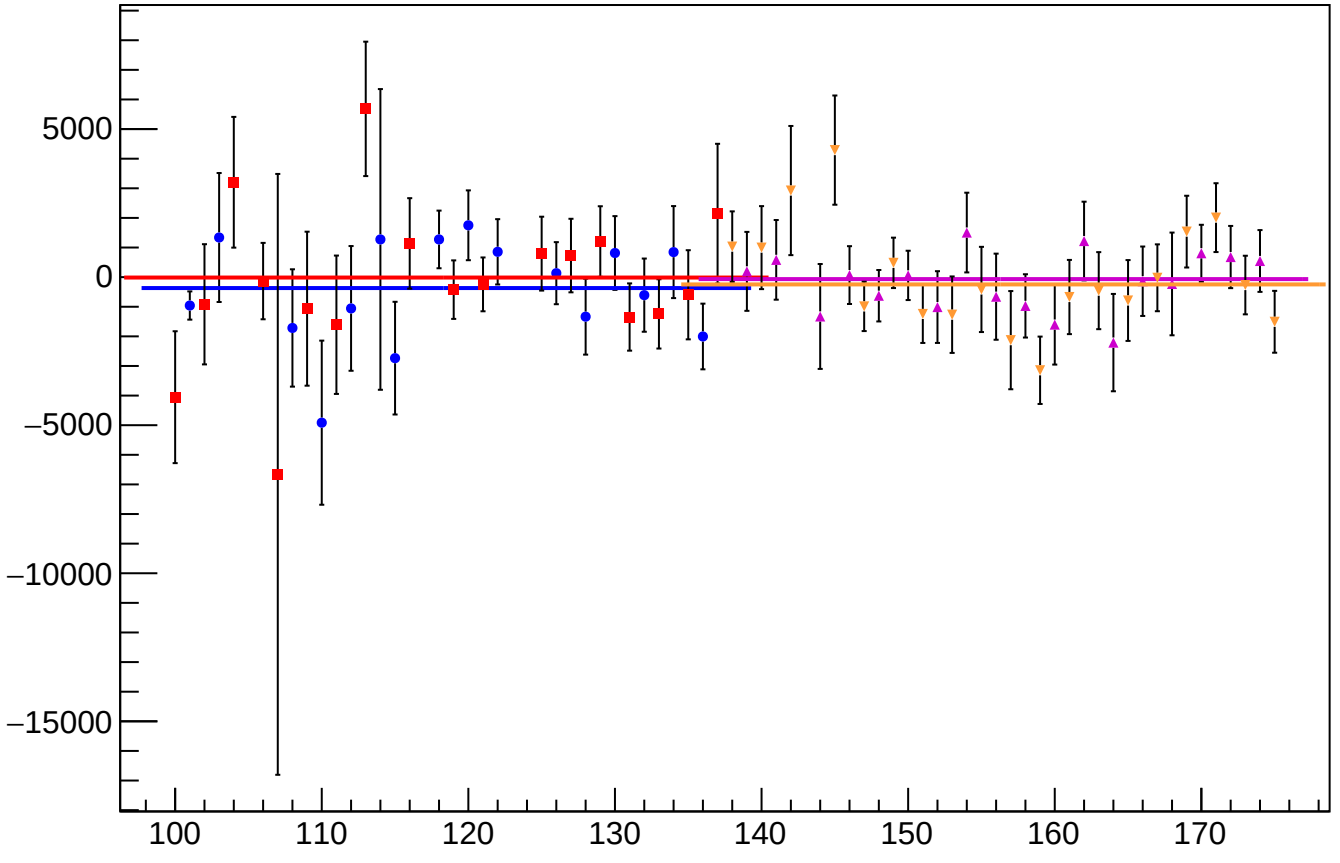
Left In: 1476.356+/-0.271 χ^2/NDF:3660.5/17

+ sign 1496.796+/-0.225 χ^2/NDF: 144977.8/34

All: 1507.388+/-0.160 χ^2/NDF: 449038.3/70

- sign 1518.379+/-0.229 χ^2/NDF: 299524.8/35

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -245.755+/-270.062 χ^2/NDF:28.8/18

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

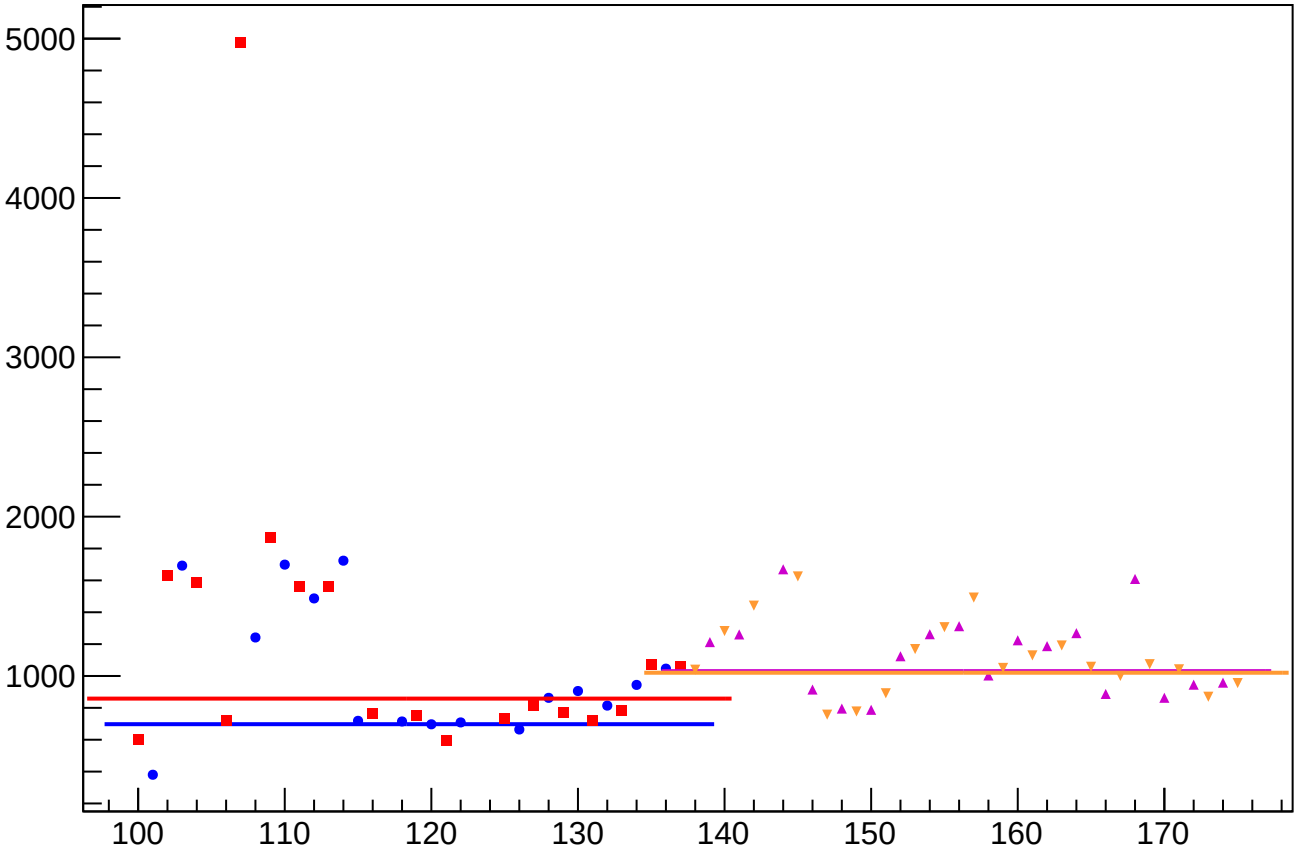
Left In: -66.103+/-274.344 χ^2/NDF:9.7/17

+ sign -303.587+/-196.542 χ^2/NDF: 47.8/34

All: -185.465+/-144.722 χ^2/NDF: 77.4/70

- sign -45.565+/-213.894 χ^2/NDF: 28.8/35

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1020.404+/-0.191 χ^2/NDF:1136306.1/18

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

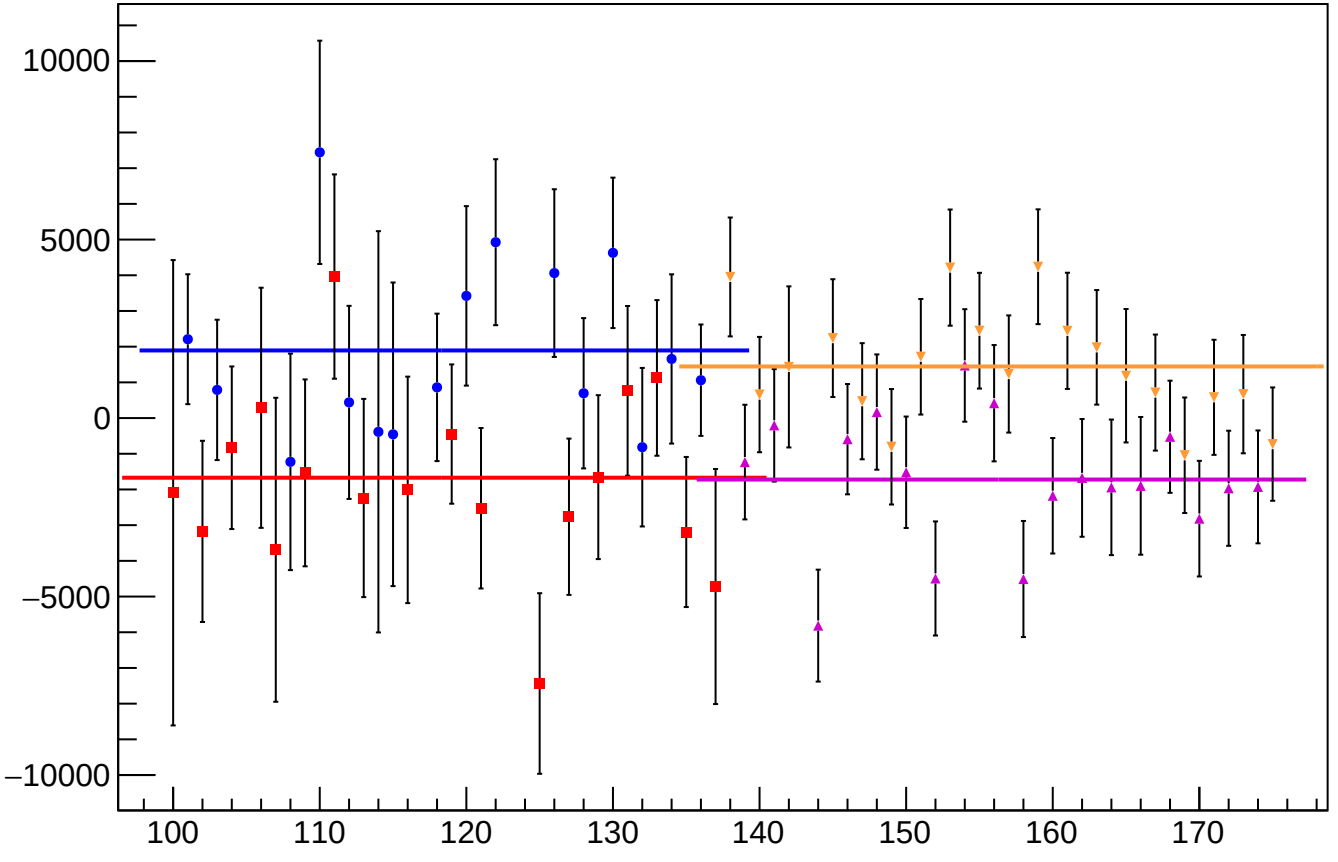
Left In: 1030.459+/-0.194 χ^2/NDF:1295095.7/17

+ sign 868.531+/-0.139 χ^2/NDF: 4916635.4/34

All: 911.719+/-0.102 χ^2/NDF: 8614415.1/70

- sign 962.869+/-0.151 χ^2/NDF: 3486838.7/35

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1445.715+/-380.049 χ^2/NDF:16.8/18

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

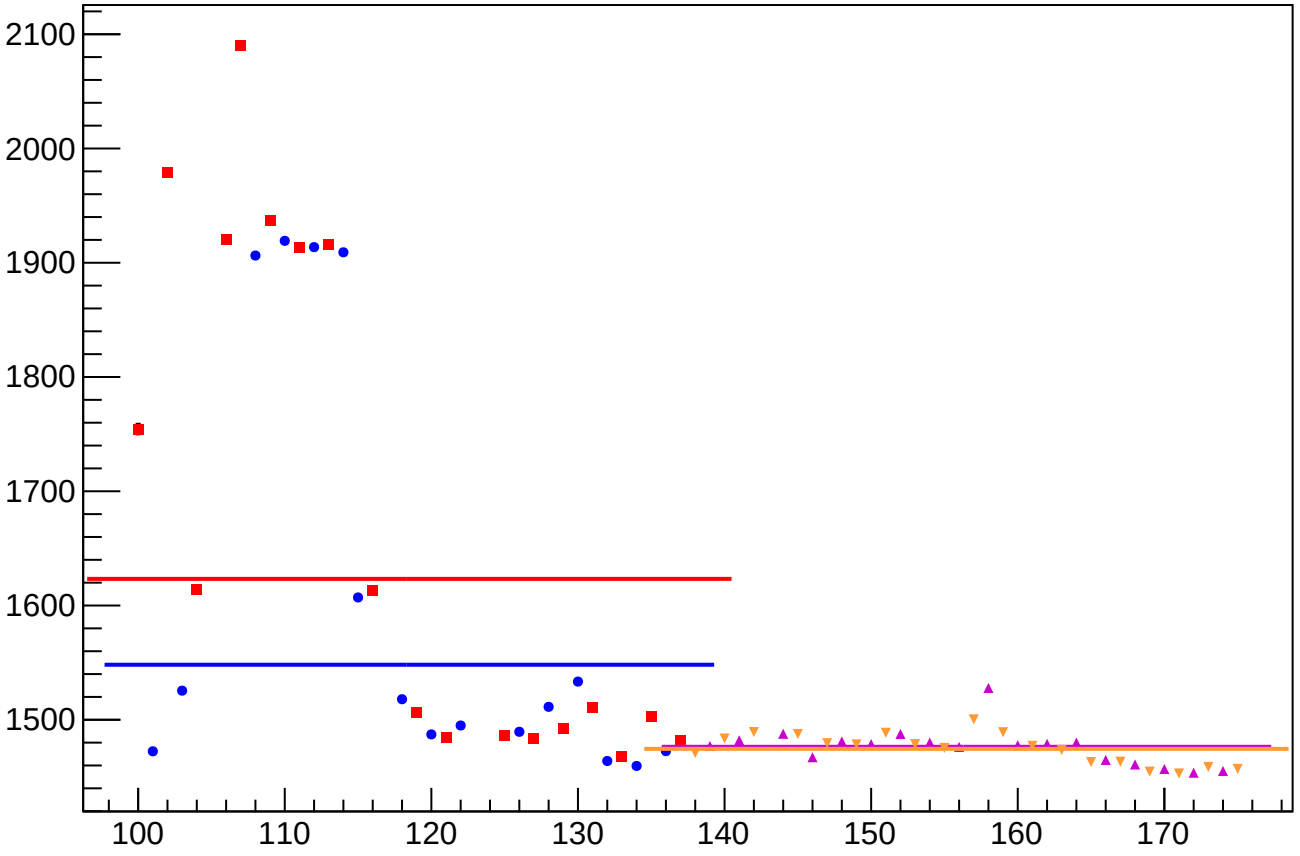
Left In: -1722.241+/-382.721 χ^2/NDF:22.7/17

+ sign 1581.197+/-317.492 χ^2/NDF: 29.5/34

All: -32.807+/-226.565 χ^2/NDF: 119.9/70

- sign -1707.571+/-323.413 χ^2/NDF: 37.8/35

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1474.555+/-0.269 χ^2/NDF:2400.0/18

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

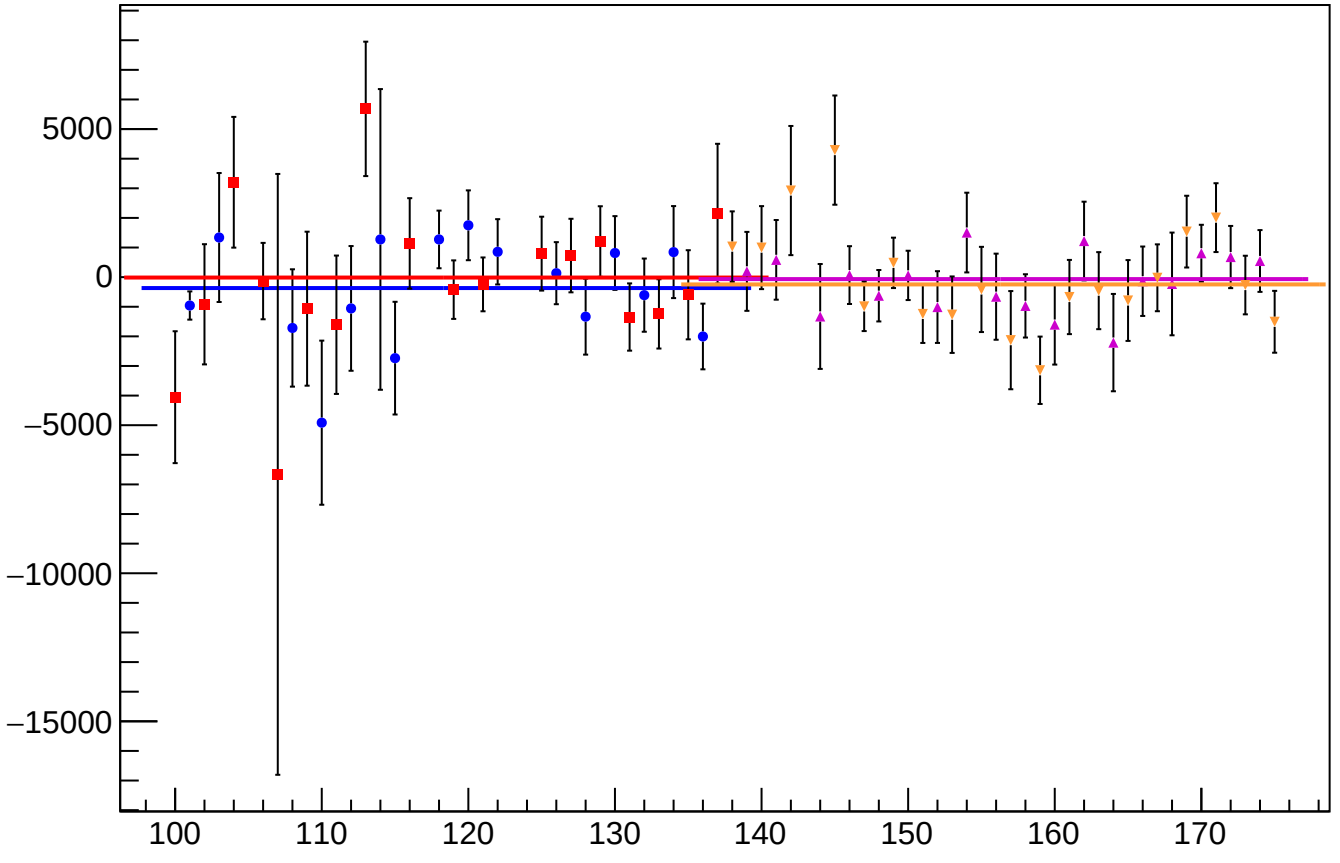
Left In: 1476.356+/-0.271 χ^2/NDF:3660.5/17

+ sign 1496.796+/-0.225 χ^2/NDF: 144977.7/34

All: 1507.388+/-0.160 χ^2/NDF: 449037.8/70

- sign 1518.378+/-0.229 χ^2/NDF: 299524.3/35

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -245.758+/-270.063 χ^2/NDF:28.8/18

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

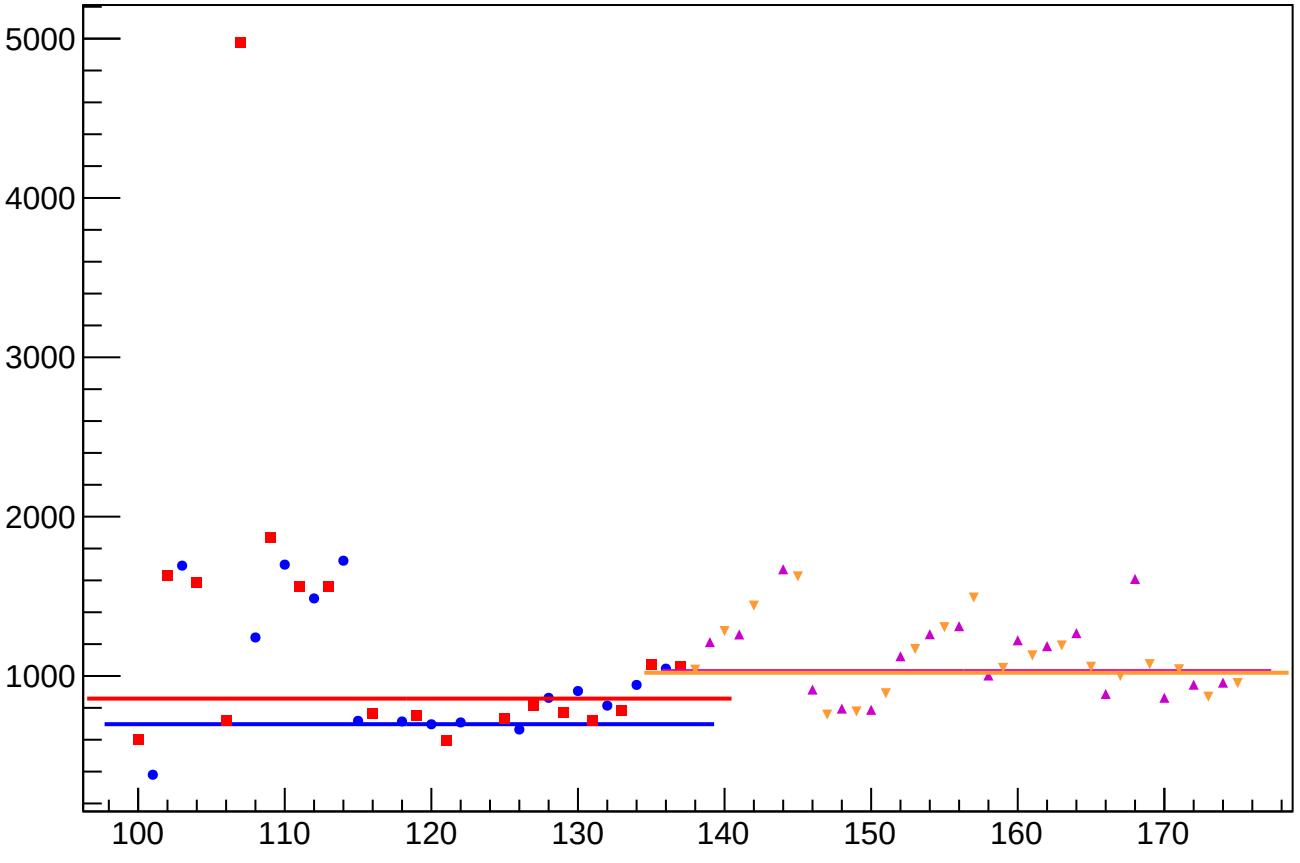
Left In: -66.104+/-274.345 χ^2/NDF:9.7/17

+ sign -303.588+/-196.542 χ^2/NDF: 47.8/34

All: -185.466+/-144.722 χ^2/NDF: 77.4/70

- sign -45.566+/-213.894 χ^2/NDF: 28.8/35

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1020.406+/-0.191 χ^2/NDF:1136304.4/18

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

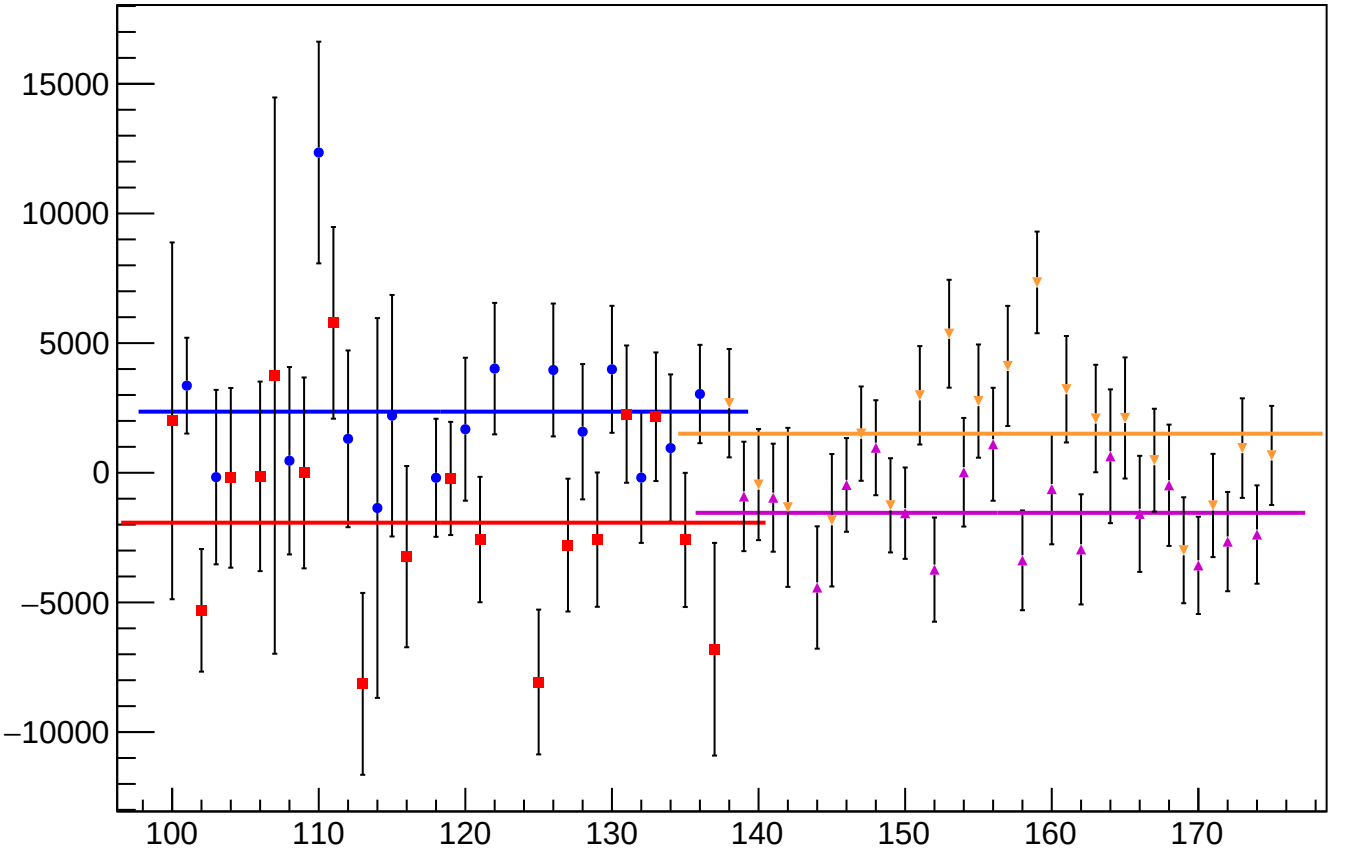
Left In: 1030.461+/-0.194 χ^2/NDF:1295092.1/17

+ sign 868.532+/-0.139 χ^2/NDF: 4916637.5/34

All: 911.719+/-0.102 χ^2/NDF: 8614432.7/70

- sign 962.869+/-0.151 χ^2/NDF: 3486856.6/35

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1507.292+/-475.587 χ^2/NDF:28.7/18

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

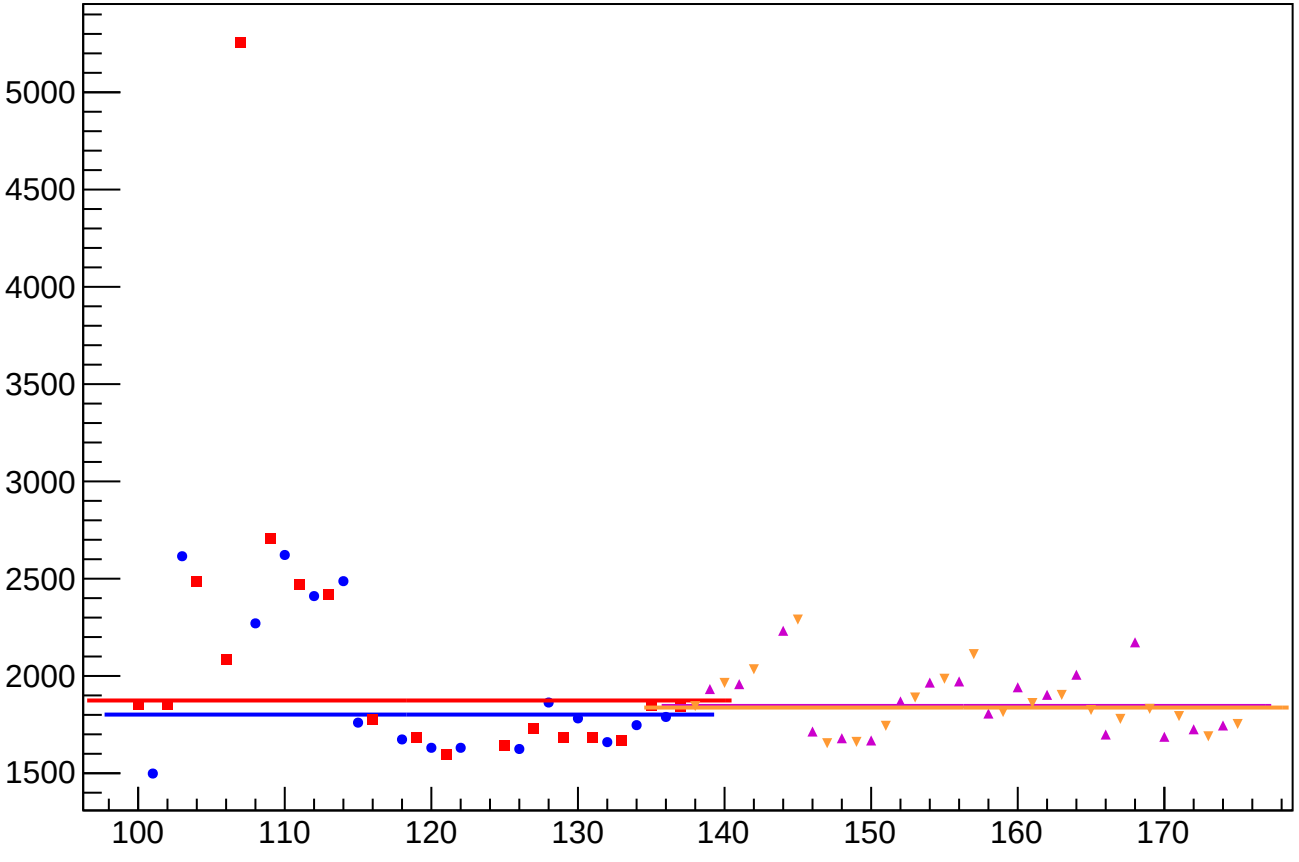
Left In: -1544.628+/-480.674 χ^2/NDF:11.3/17

+ sign 1786.983+/-389.528 χ^2/NDF: 40.8/34

All: 95.895+/-278.203 χ^2/NDF: 114.1/70

- sign -1664.858+/-397.470 χ^2/NDF: 34.9/35

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1837.626+/-0.336 χ^2/NDF:181584.5/18

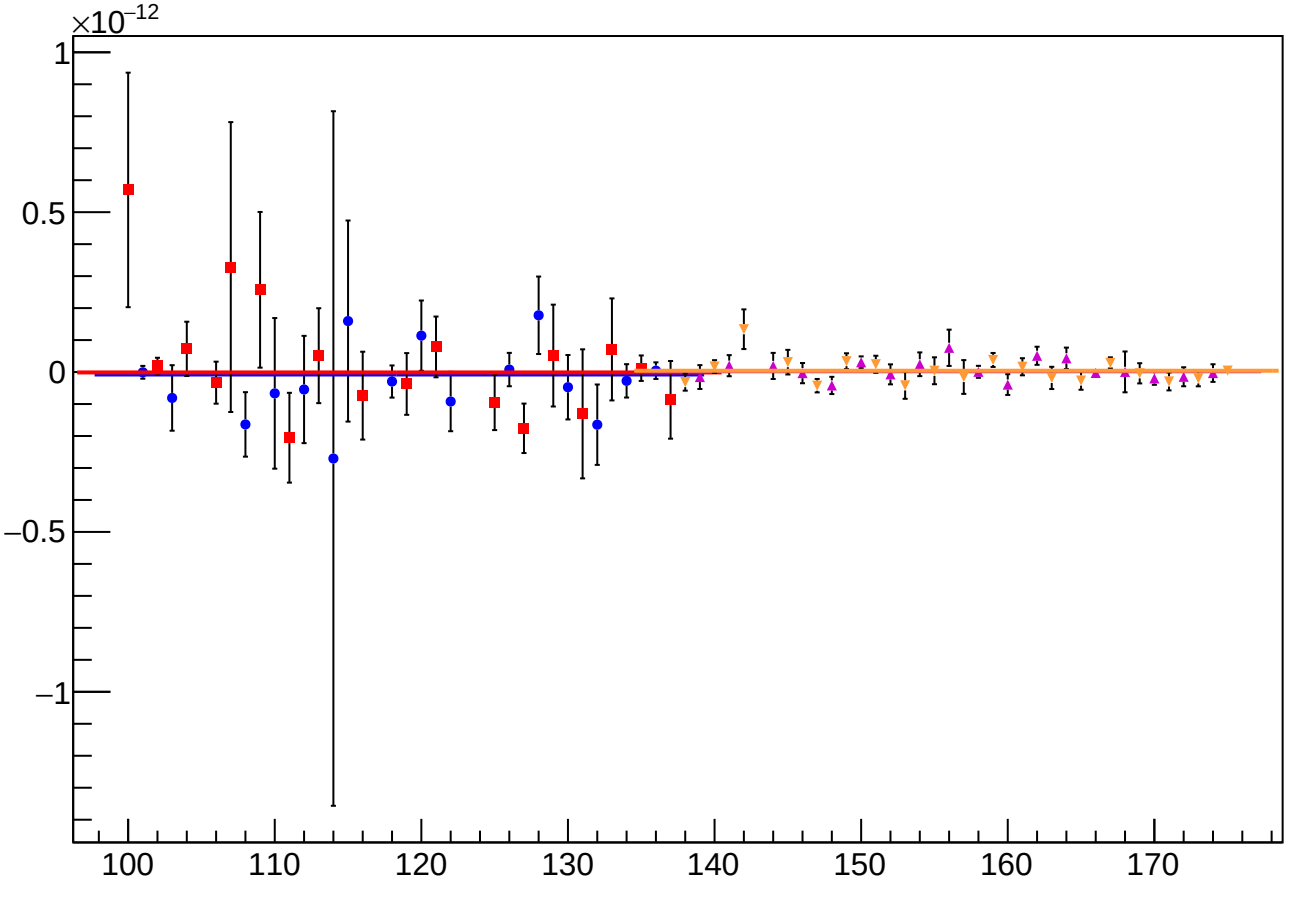
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1845.934+/-0.340 χ^2/NDF:213189.5/17

+ sign 1825.744+/-0.275 χ^2/NDF: 586079.5/34

All: 1839.980+/-0.197 χ^2/NDF: 1376783.1/70

- sign 1854.802+/-0.281 χ^2/NDF: 785251.1/35



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.9/18

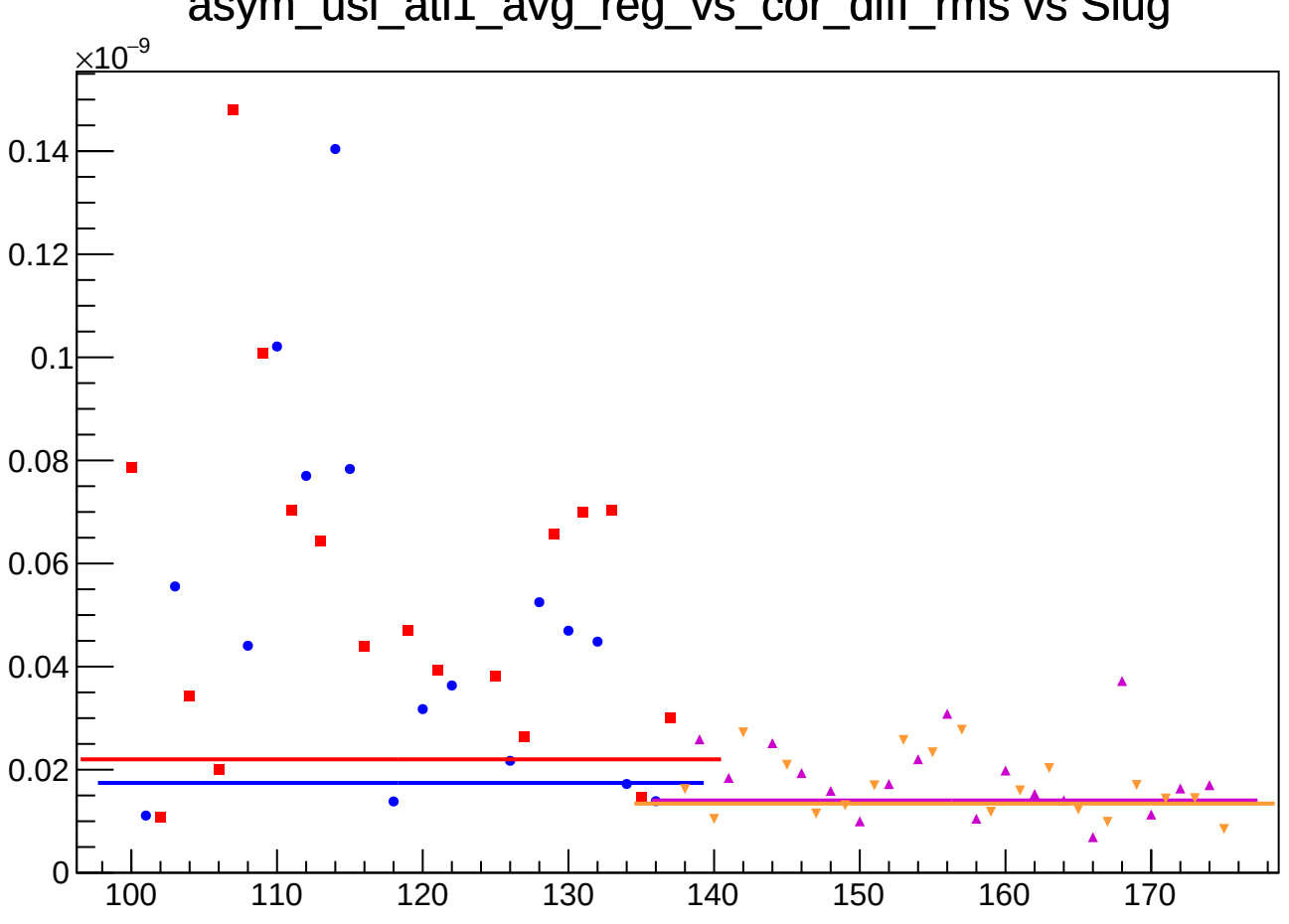
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:15.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 34.8/34

All: 0.000+/-0.000 χ^2/NDF: 67.2/70

- sign 0.000+/-0.000 χ^2/NDF: 32.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1169128.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

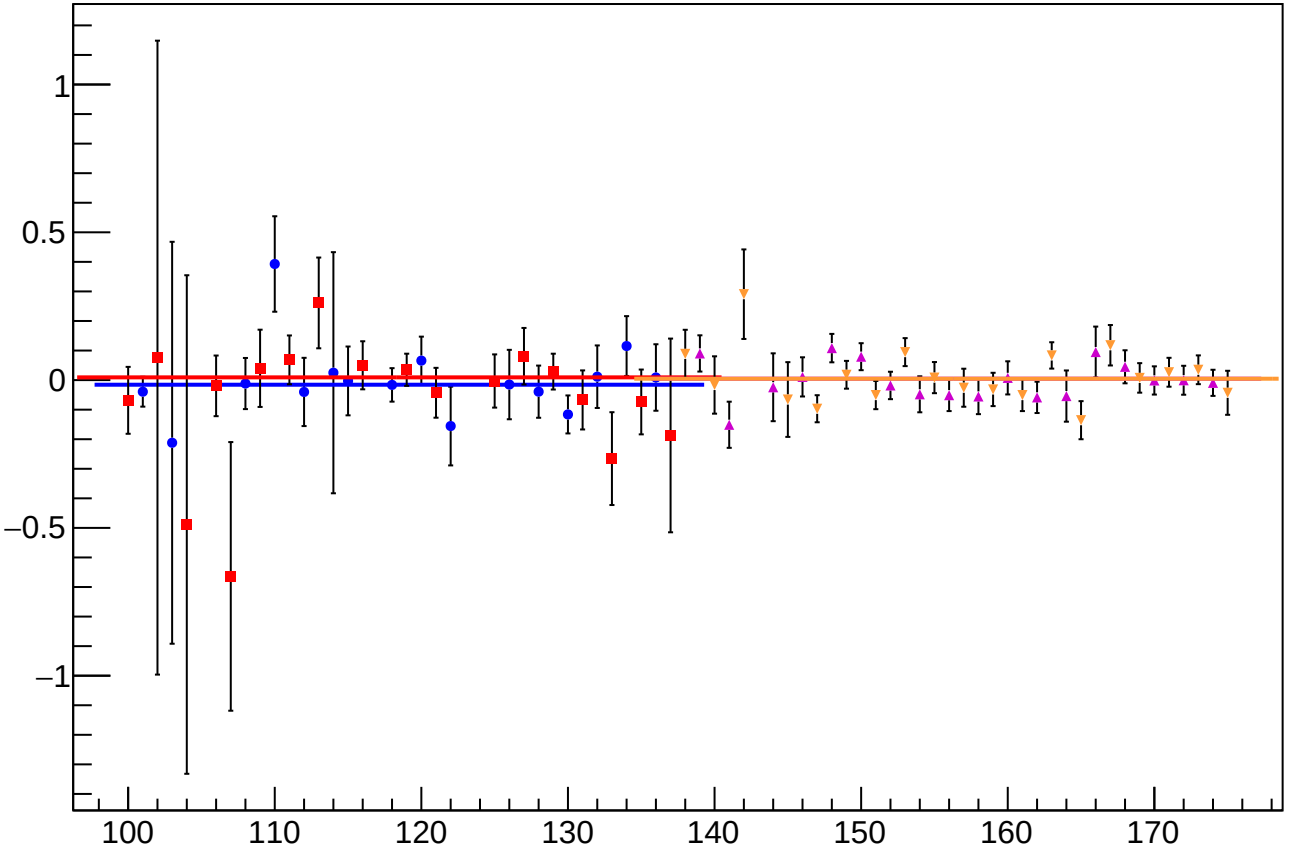
Left In: 0.000+/-0.000 χ^2/NDF:1771195.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 3164746.4/34

All: 0.000+/-0.000 χ^2/NDF: 7440327.4/70

- sign 0.000+/-0.000 χ^2/NDF: 4251220.3/35

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/18

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

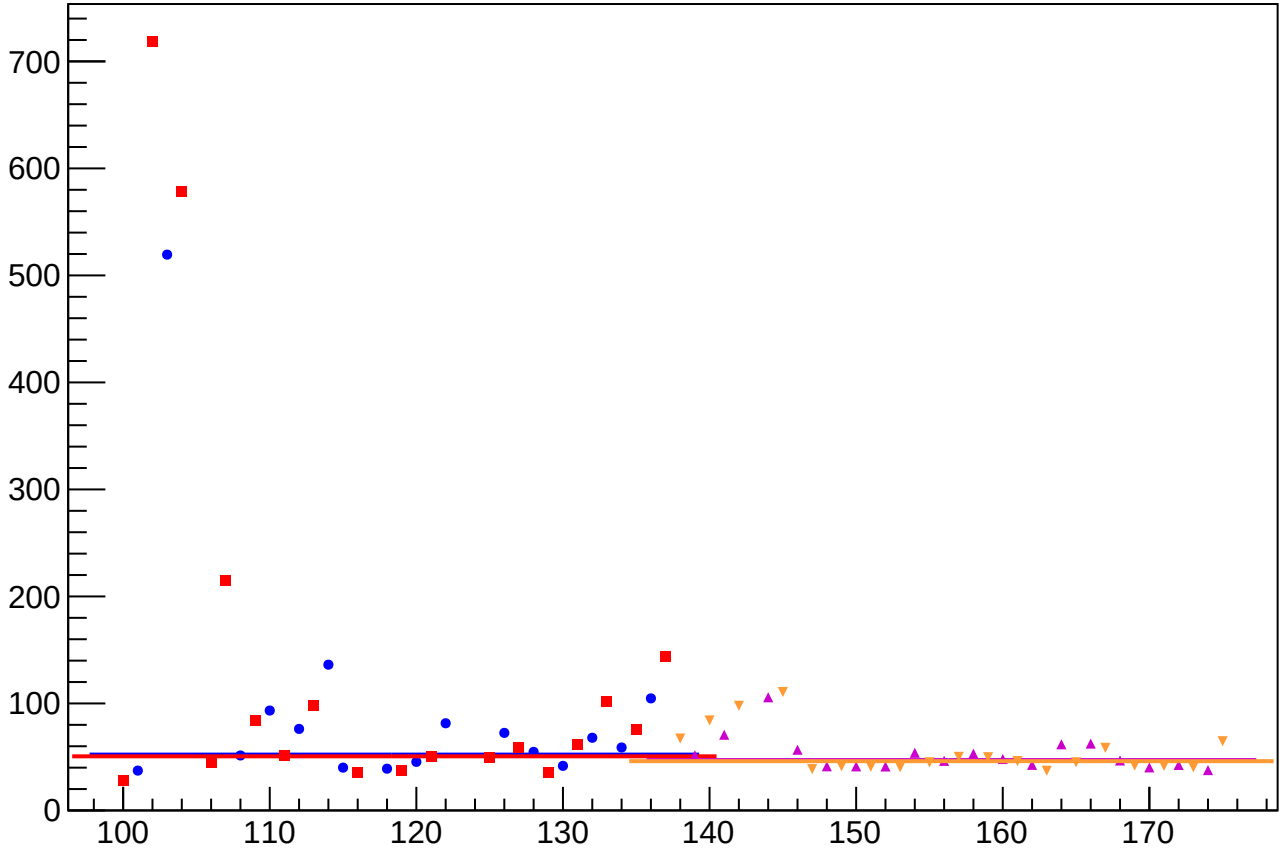
Left In: 0.005+/-0.013 χ^2/NDF:20.0/17

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/34

All: 0.003+/-0.008 χ^2/NDF: 74.7/70

- sign 0.006+/-0.012 χ^2/NDF: 32.5/35

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.070+/-0.009 χ^2/NDF:1672259.1/18

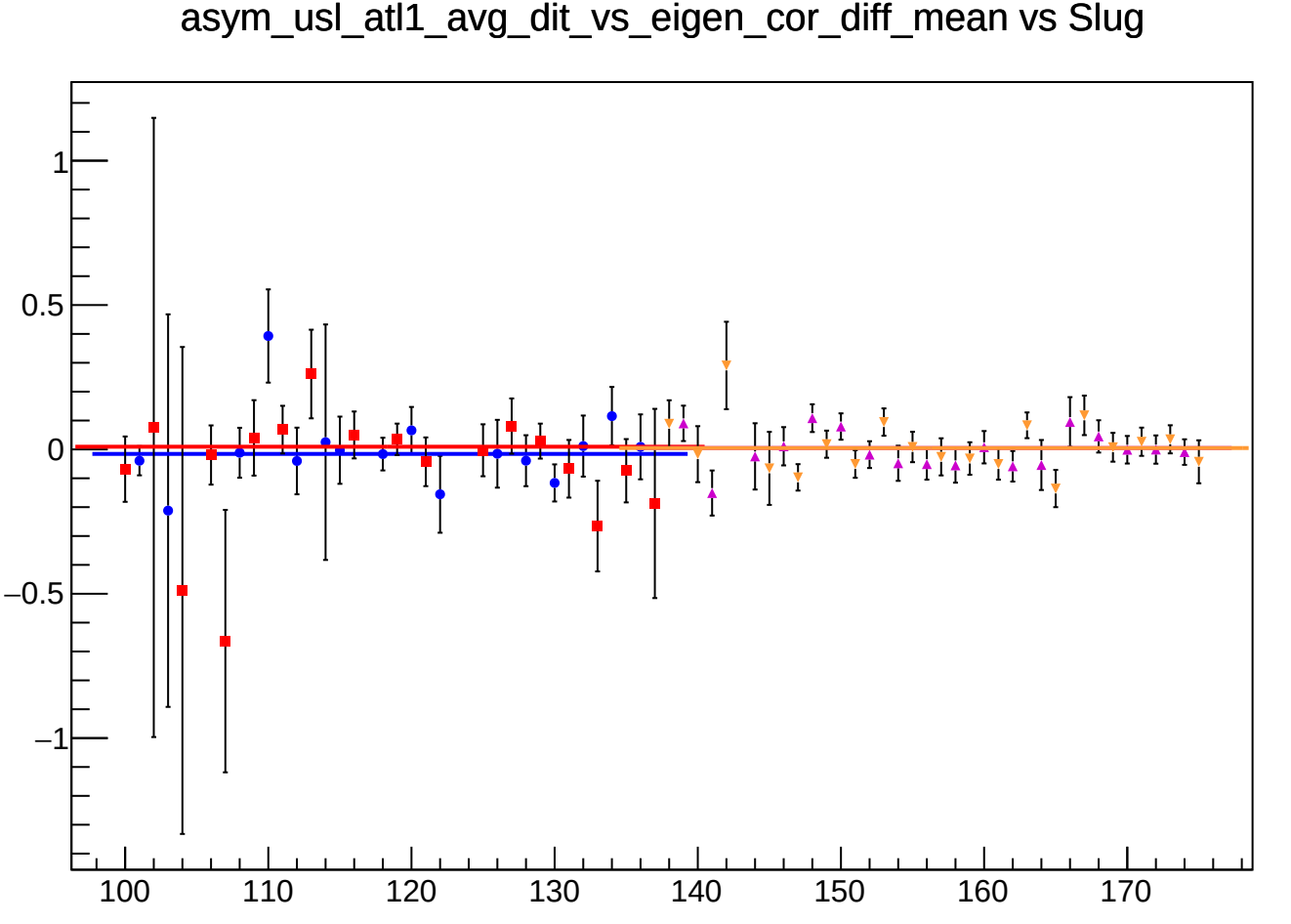
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.070+/-0.009 χ^2/NDF:1186019.3/17

+ sign 47.608+/-0.008 χ^2/NDF: 4048598.0/34

All: 47.760+/-0.006 χ^2/NDF: 8320329.8/70

- sign 47.919+/-0.008 χ^2/NDF: 4270997.5/35



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/18

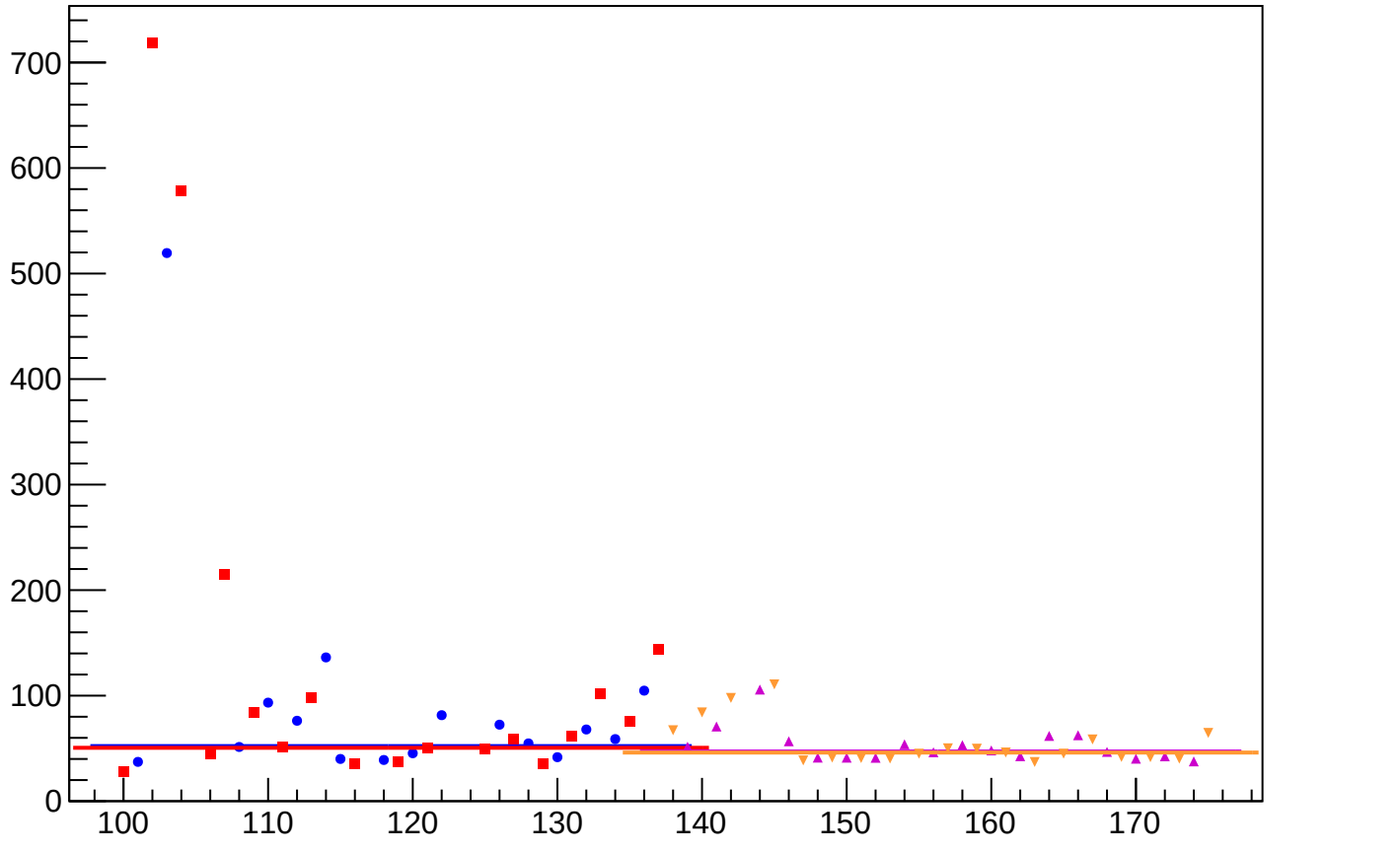
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.005+/-0.013 χ^2/NDF:20.0/17

\+ sign -0.000+/-0.011 χ^2/NDF: 42.0/34

All: 0.003+/-0.008 χ^2/NDF: 74.7/70

\- sign 0.006+/-0.012 χ^2/NDF: 32.5/35



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.070+/-0.009 χ^2/NDF:1672259.1/18

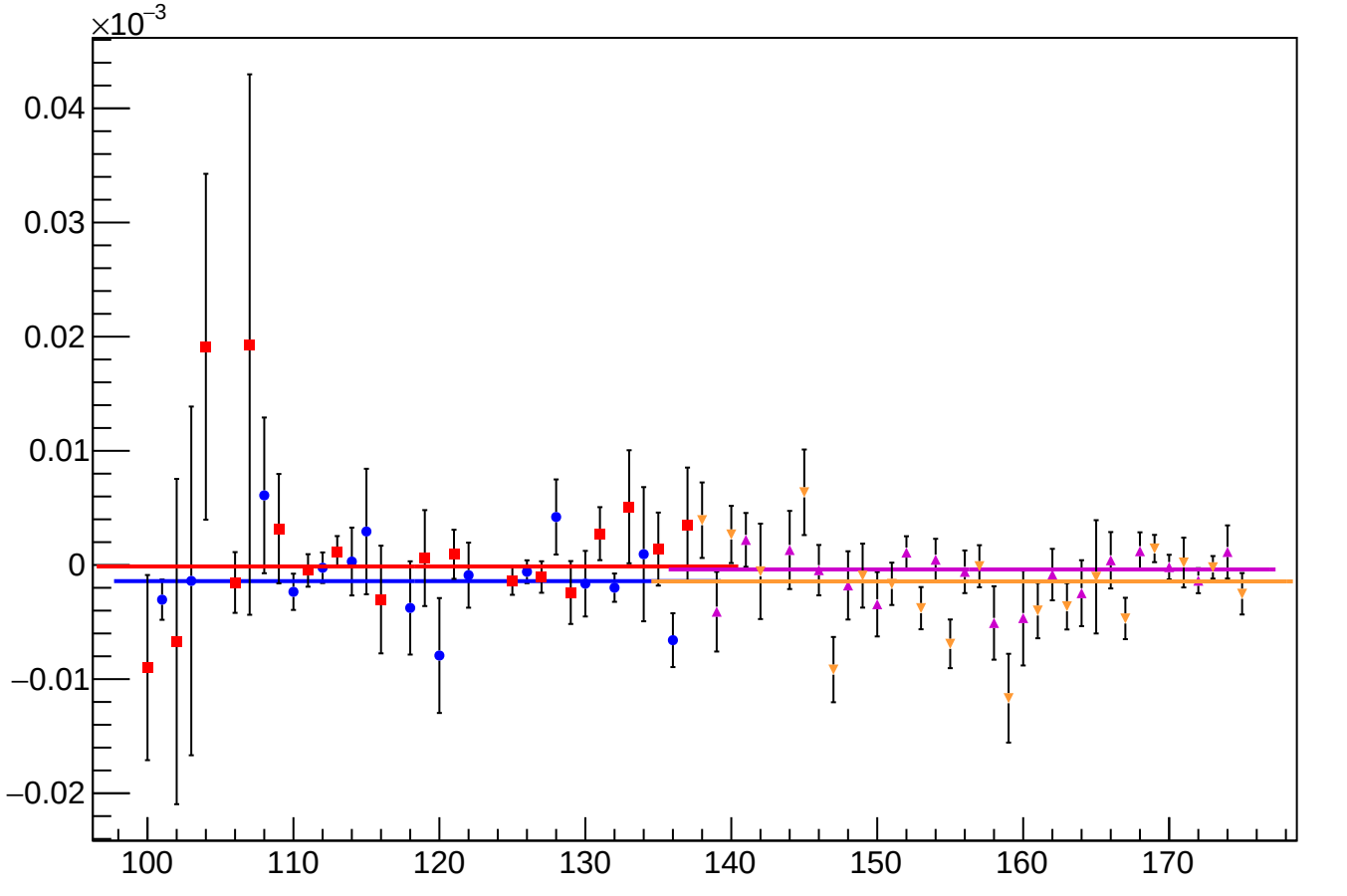
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.070+/-0.009 χ^2/NDF:1186019.3/17

+ sign 47.608+/-0.008 χ^2/NDF: 4048598.0/34

All: 47.760+/-0.006 χ^2/NDF: 8320329.8/70

- sign 47.919+/-0.008 χ^2/NDF: 4270997.5/35



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/18

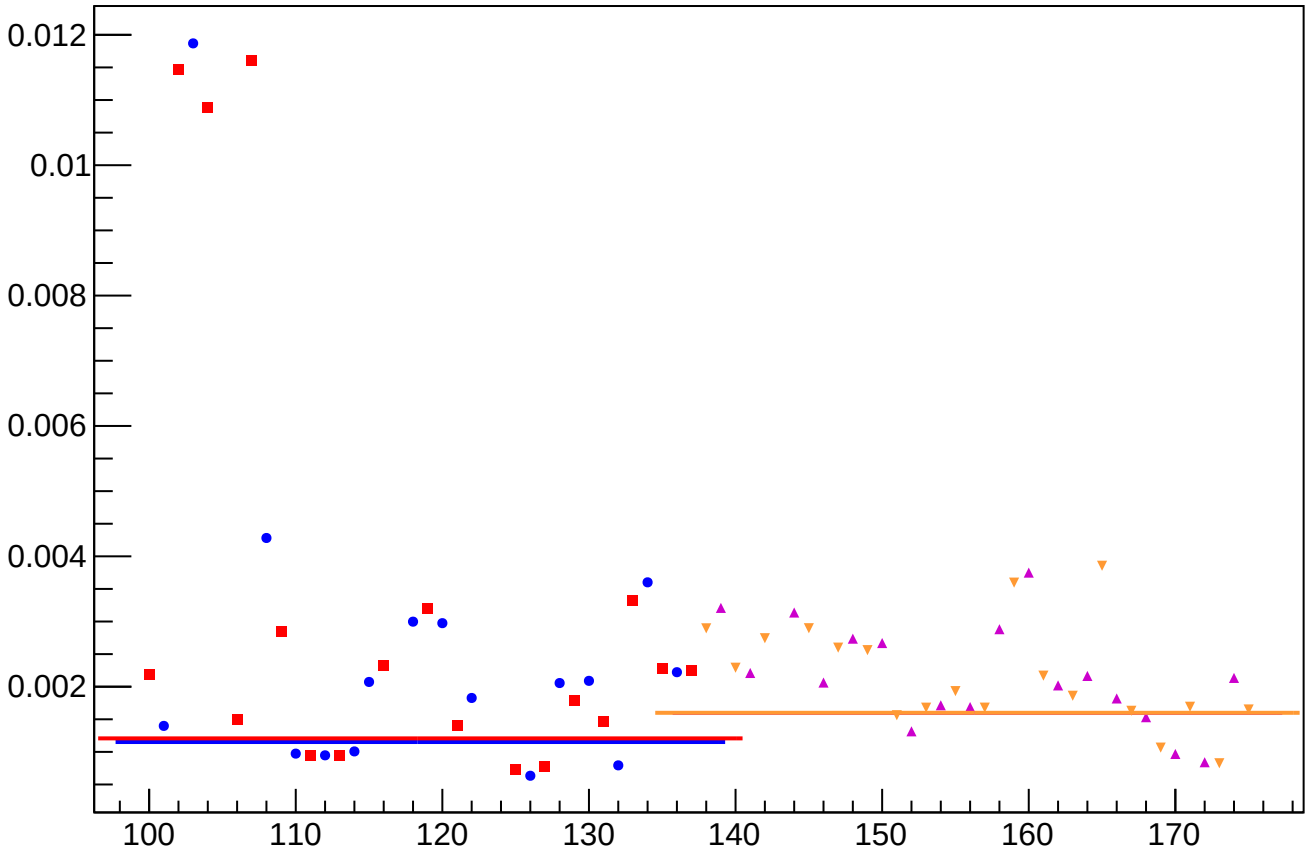
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: -0.000+/-0.000 χ^2/NDF:11.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 61.4/34

All: -0.000+/-0.000 χ^2/NDF: 89.8/70

- sign -0.000+/-0.000 χ^2/NDF: 23.0/35



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:4103637.1/18

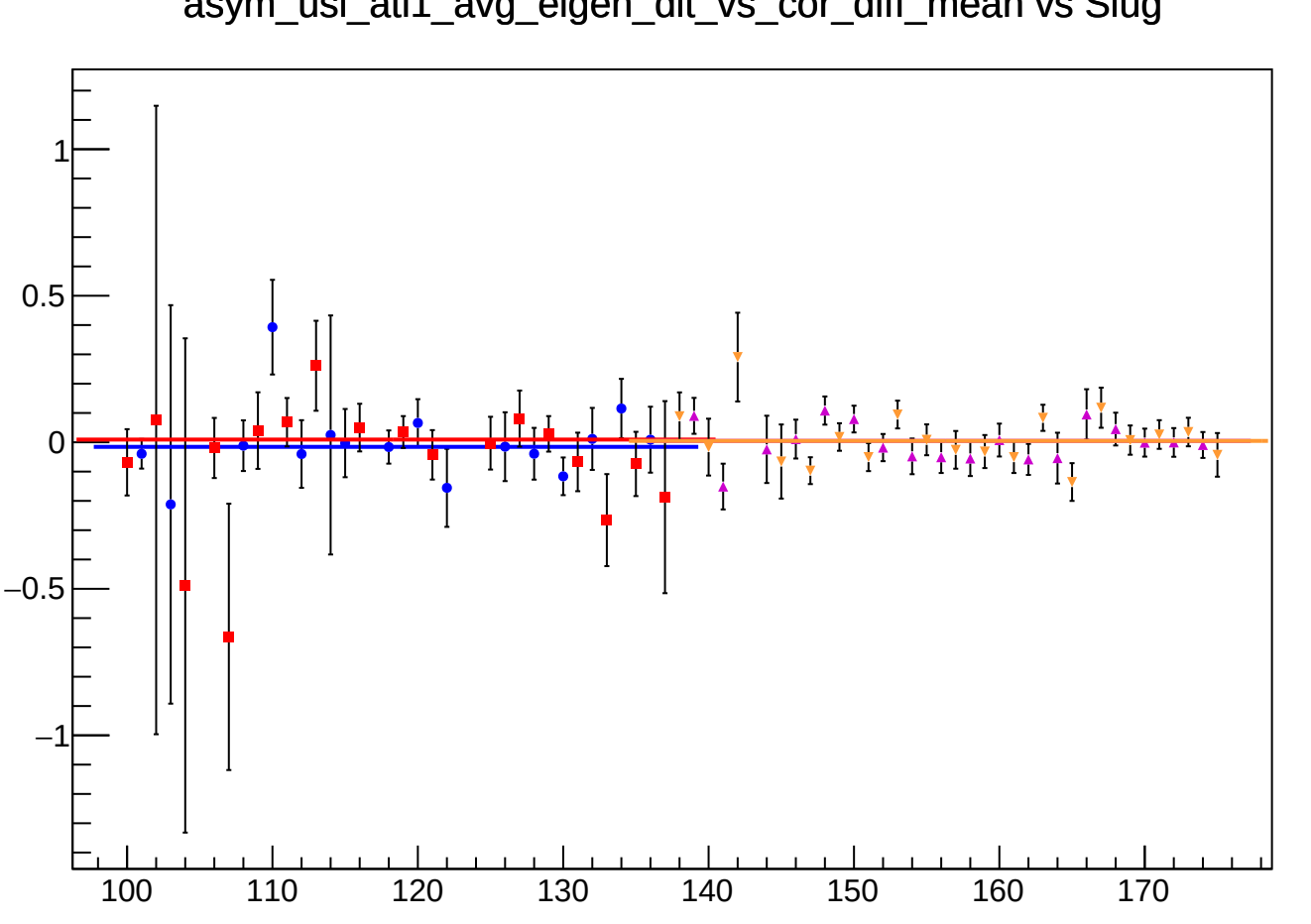
Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4490767.7/17

+ sign 0.001+/-0.000 χ^2/NDF: 9135399.8/34

All: 0.001+/-0.000 χ^2/NDF: 18740475.6/70

- sign 0.001+/-0.000 χ^2/NDF: 9594438.2/35



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/18

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

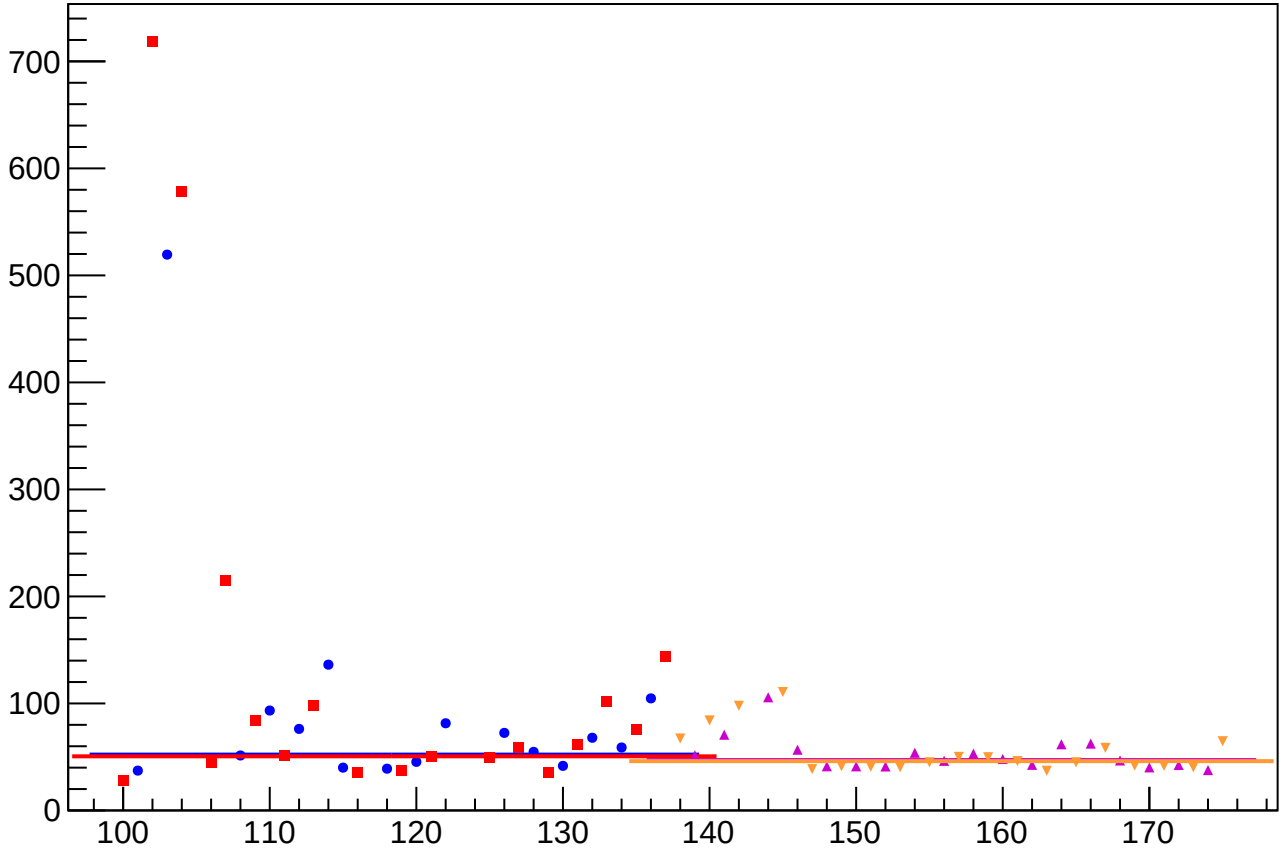
Left In: 0.005+/-0.013 χ^2/NDF:20.0/17

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/34

All: 0.003+/-0.008 χ^2/NDF: 74.7/70

- sign 0.006+/-0.012 χ^2/NDF: 32.5/35

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.071+/-0.009 χ^2/NDF:1672234.7/18

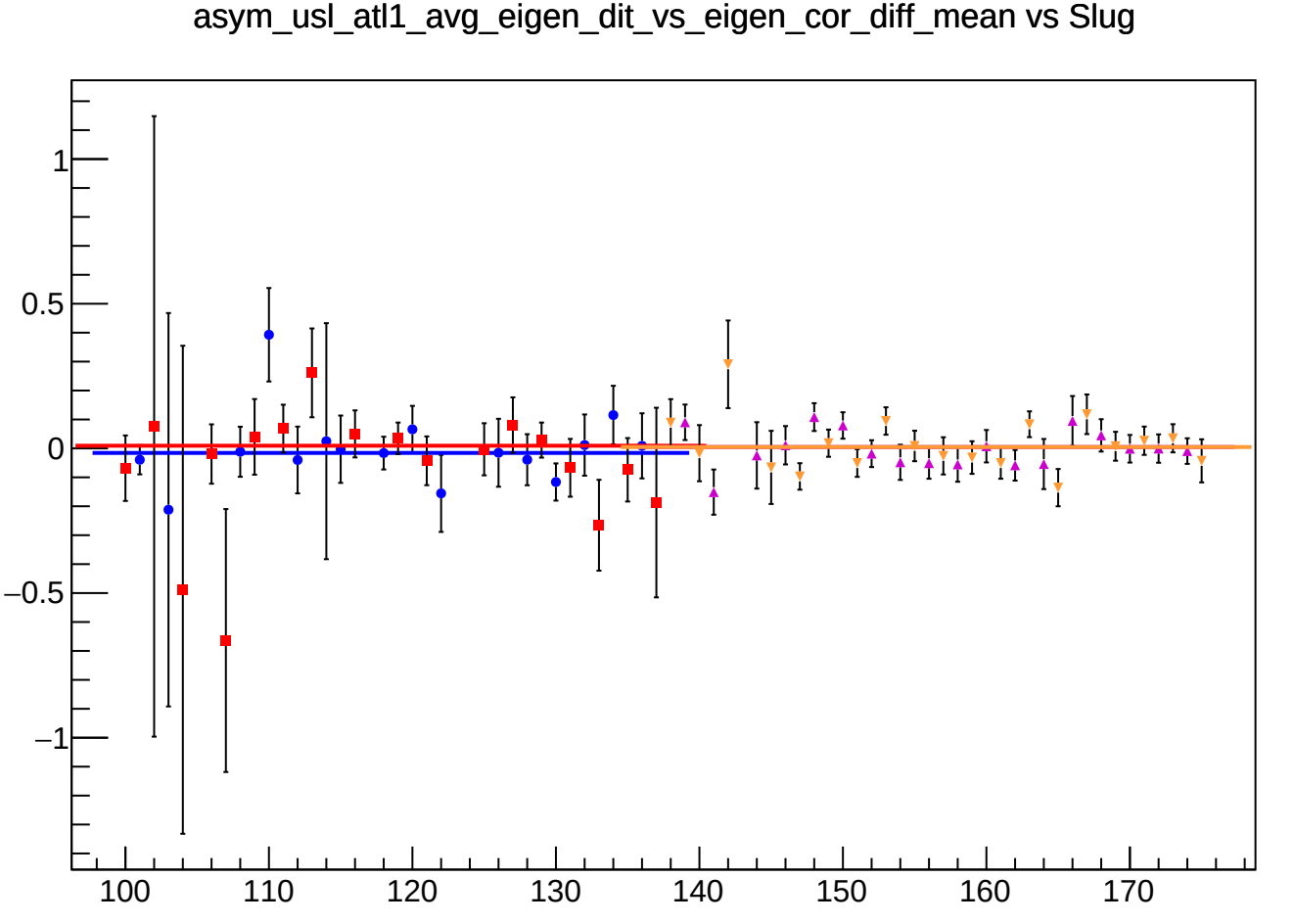
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.070+/-0.009 χ^2/NDF:1186017.4/17

+ sign 47.608+/-0.008 χ^2/NDF: 4048556.4/34

All: 47.760+/-0.006 χ^2/NDF: 8320264.4/70

- sign 47.919+/-0.008 χ^2/NDF: 4270974.4/35



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/18

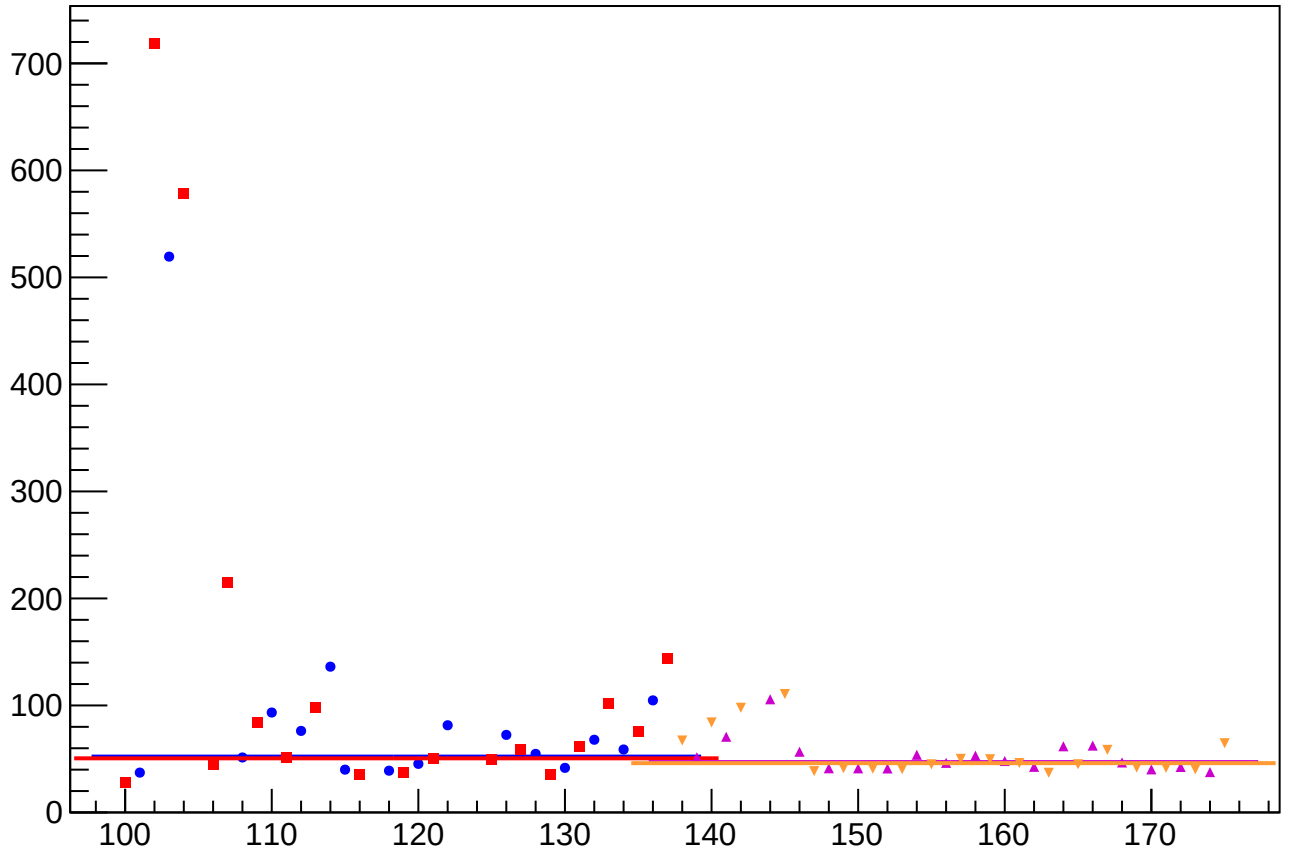
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.005+/-0.013 χ^2/NDF:20.0/17

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/34

All: 0.003+/-0.008 χ^2/NDF: 74.7/70

- sign 0.006+/-0.012 χ^2/NDF: 32.5/35



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.071+/-0.009 χ^2/NDF:1672234.7/18

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

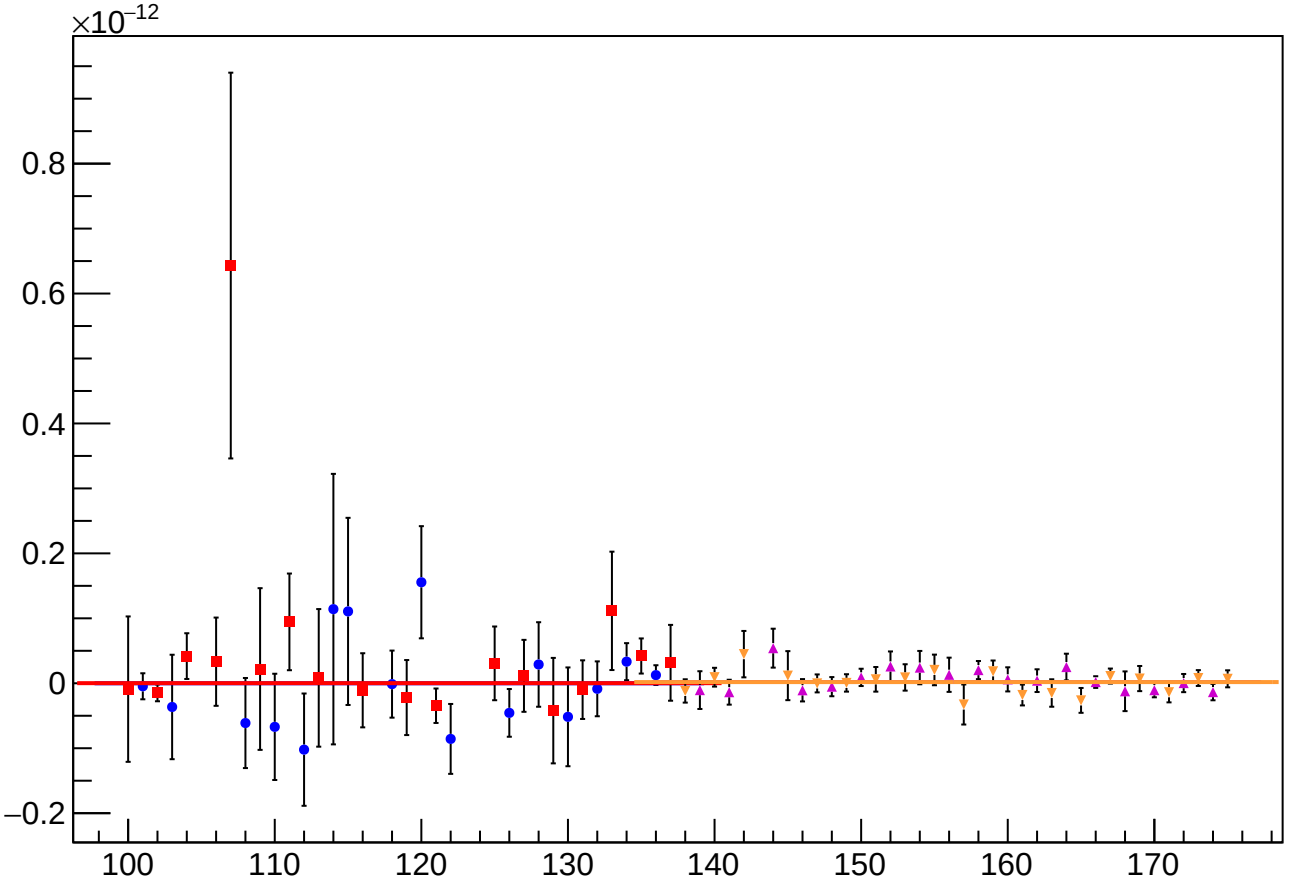
Left In: 47.070+/-0.009 χ^2/NDF:1186017.4/17

\+ sign 47.608+/-0.008 χ^2/NDF: 4048556.4/34

All: 47.760+/-0.006 χ^2/NDF: 8320264.4/70

\- sign 47.919+/-0.008 χ^2/NDF: 4270974.4/35

asym_usl_atl1_avg_eigen_cor_vs_cor_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:11.9/18

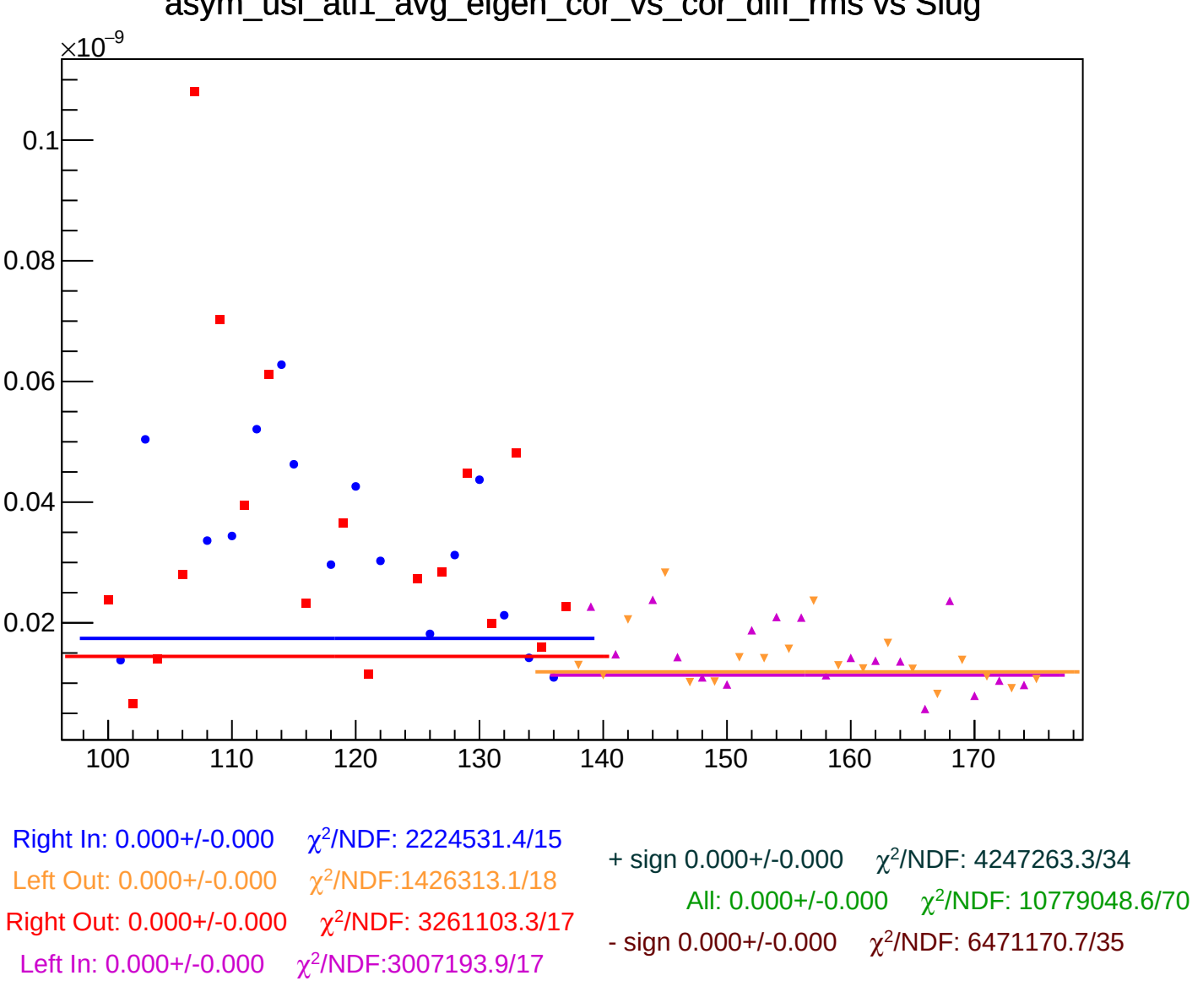
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.0/17

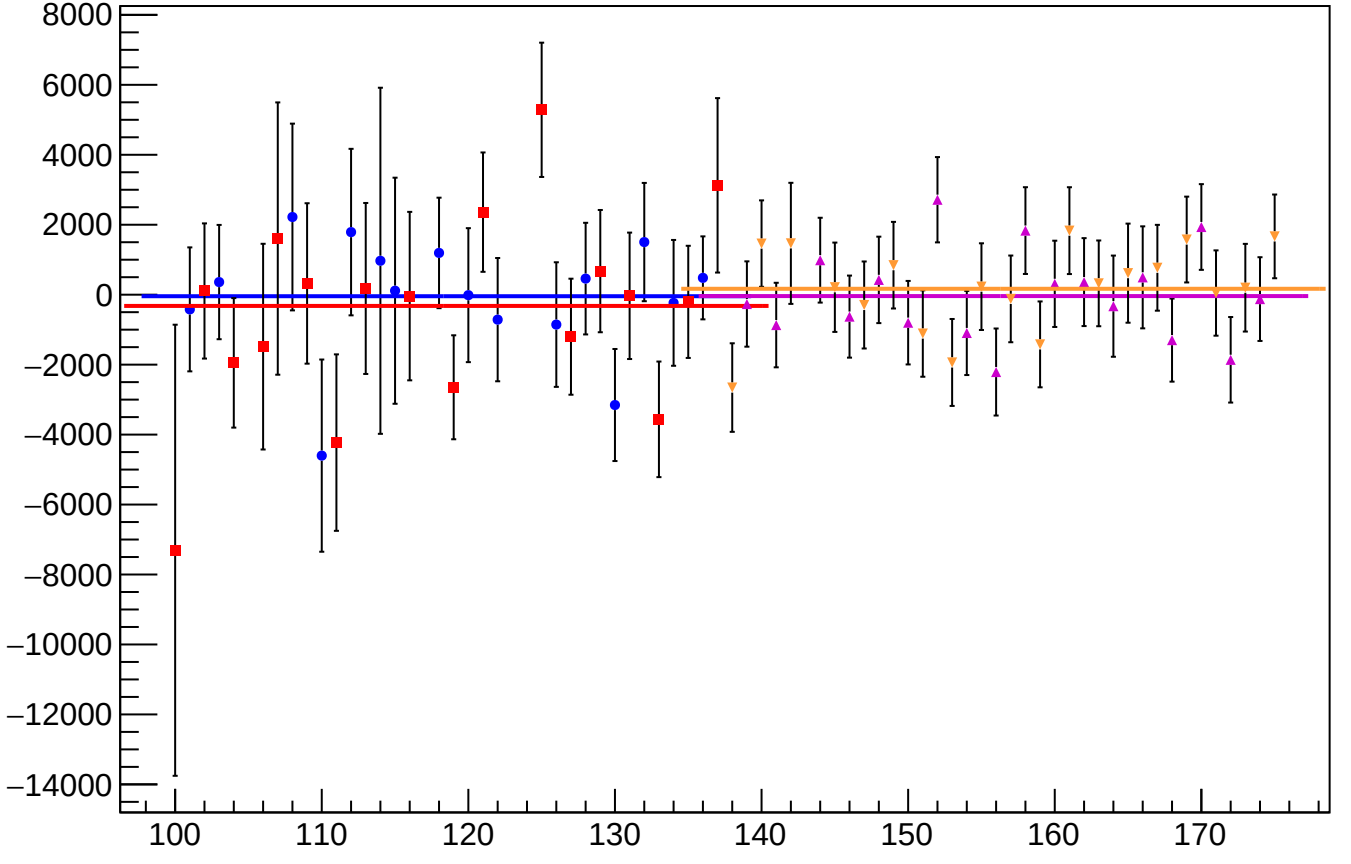
+ sign 0.000+/-0.000 χ^2/NDF: 26.0/34

All: 0.000+/-0.000 χ^2/NDF: 55.1/70

- sign 0.000+/-0.000 χ^2/NDF: 29.1/35


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1426313.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:3007193.9/17
+ sign 0.000+/-0.000 χ²/NDF: 4247263.3/34
All: 0.000+/-0.000 χ²/NDF: 10779048.6/70
- sign 0.000+/-0.000 χ²/NDF: 6471170.7/35

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 169.024+/-289.371 χ^2/NDF:17.8/18

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

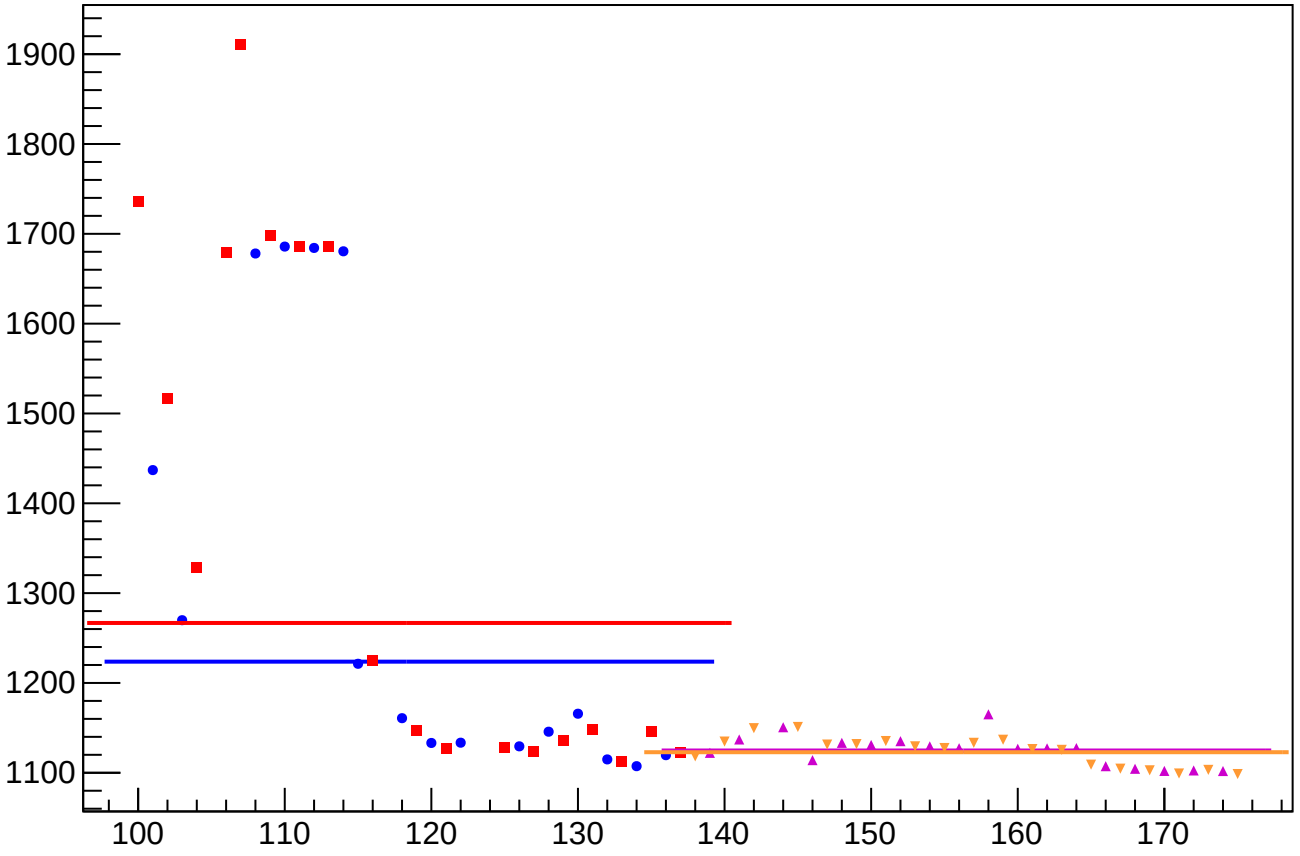
Left In: -39.698+/-291.596 χ^2/NDF:19.5/17

+ sign 108.570+/-244.820 χ^2/NDF: 28.0/34

All: -2.425+/-174.399 χ^2/NDF: 73.0/70

- sign -116.780+/-248.498 χ^2/NDF: 44.6/35

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.900+/-0.205 χ^2/NDF:5818.5/18

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

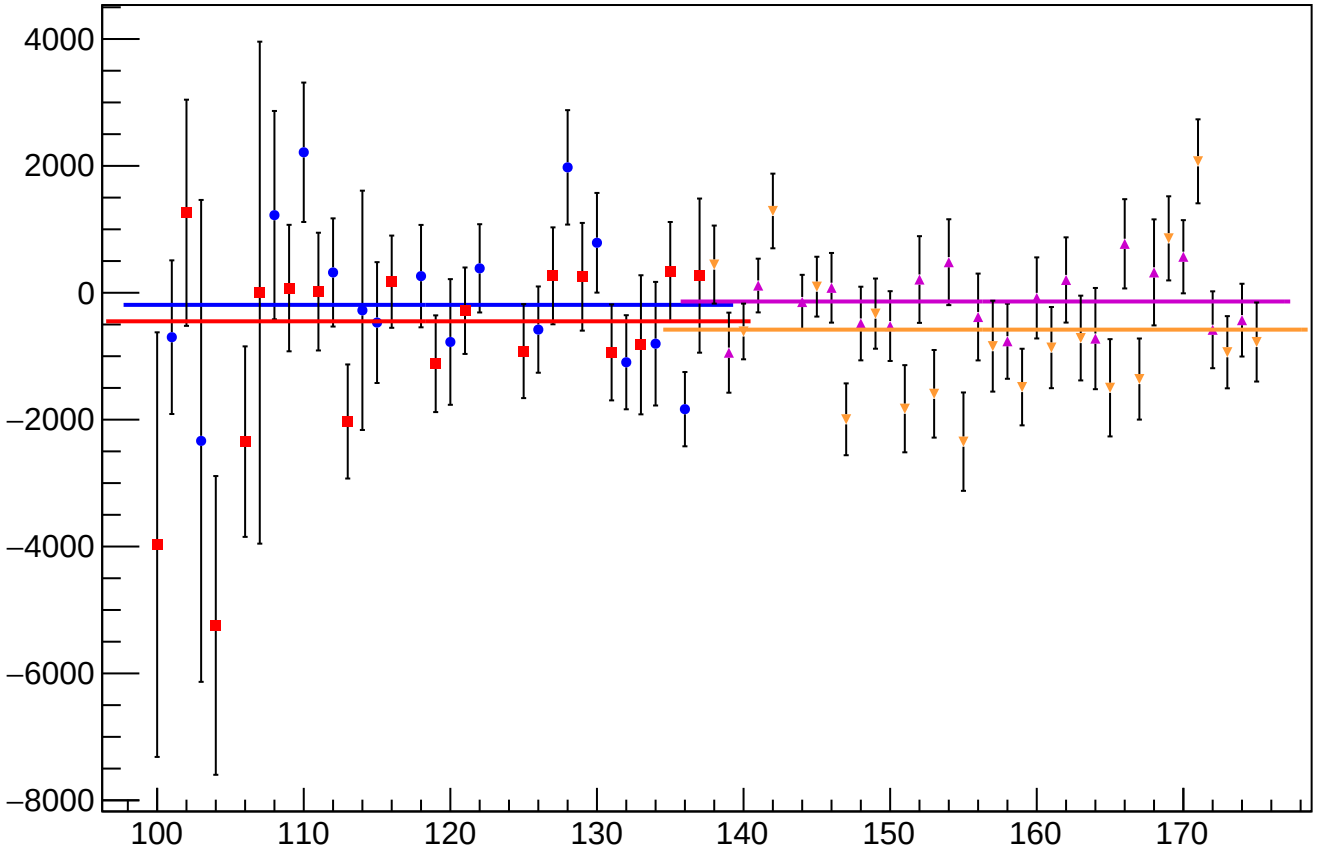
Left In: 1124.799+/-0.206 χ^2/NDF:6707.1/17

+ sign 1151.550+/-0.173 χ^2/NDF: 369766.3/34

All: 1157.519+/-0.123 χ^2/NDF: 941536.9/70

- sign 1163.668+/-0.176 χ^2/NDF: 569357.3/35

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -581.099+/-139.706 χ^2/NDF:58.8/18

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

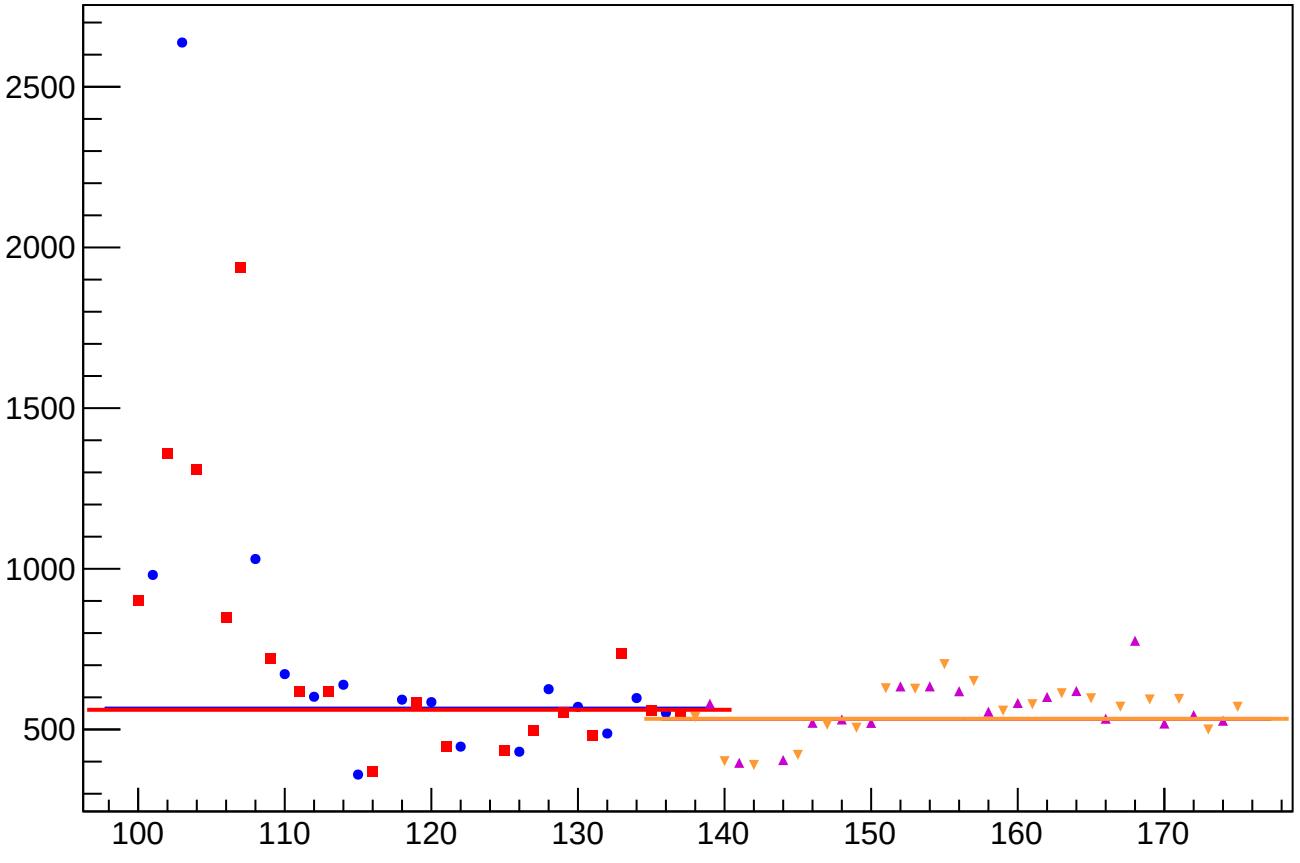
Left In: -137.520+/-140.168 χ^2/NDF:10.4/17

+ sign -470.951+/-118.372 χ^2/NDF: 86.3/34

All: -348.745+/-83.818 χ^2/NDF: 117.0/70

- sign -225.855+/-118.703 χ^2/NDF: 28.6/35

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 533.179+/-0.099 χ^2/NDF:756502.9/18

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

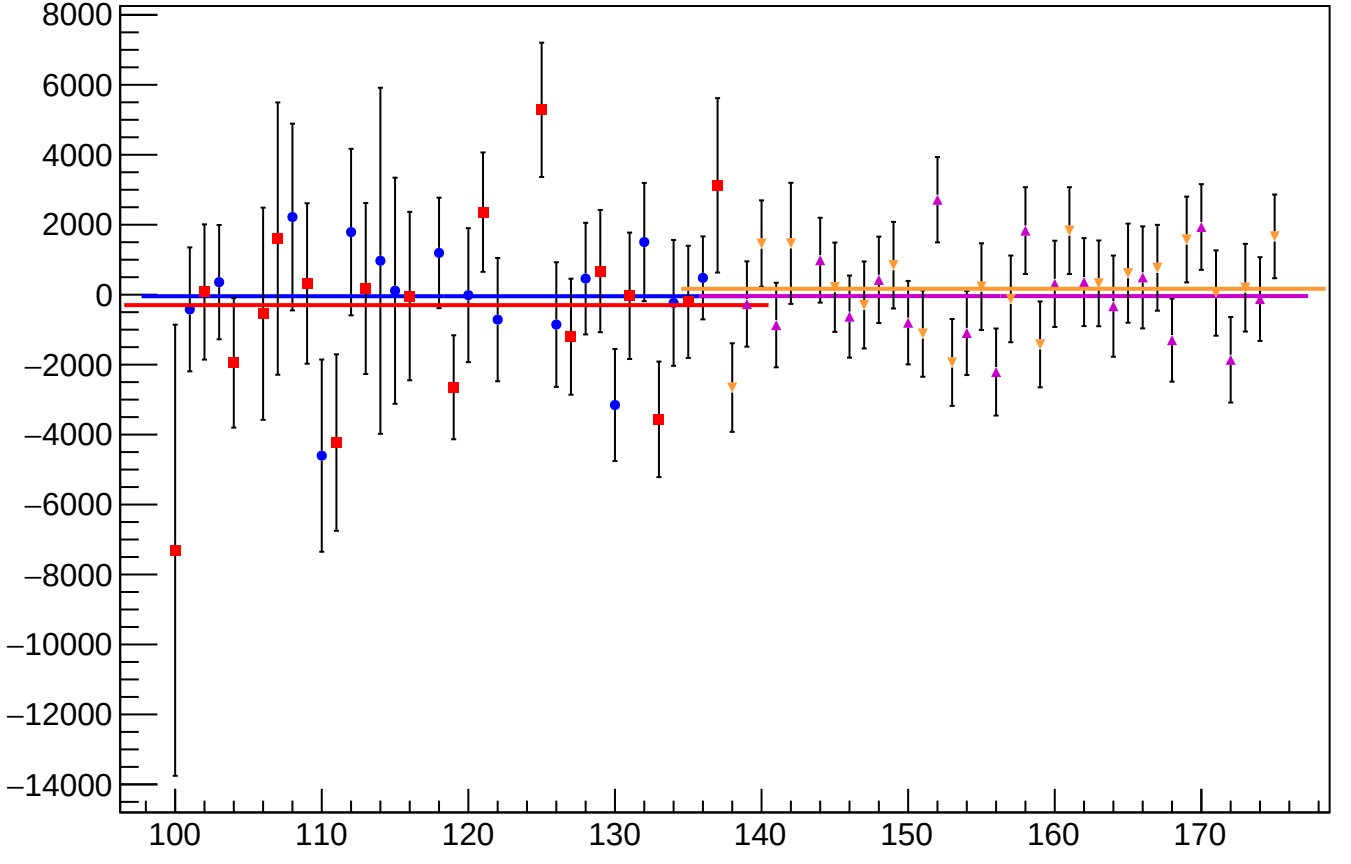
Left In: 532.712+/-0.099 χ^2/NDF:751115.9/17

+ sign 542.144+/-0.084 χ^2/NDF: 2070175.1/34

All: 541.465+/-0.059 χ^2/NDF: 4197099.6/70

- sign 540.781+/-0.084 χ^2/NDF: 2126792.3/35

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 169.065+/-289.371 χ^2/NDF:17.8/18

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

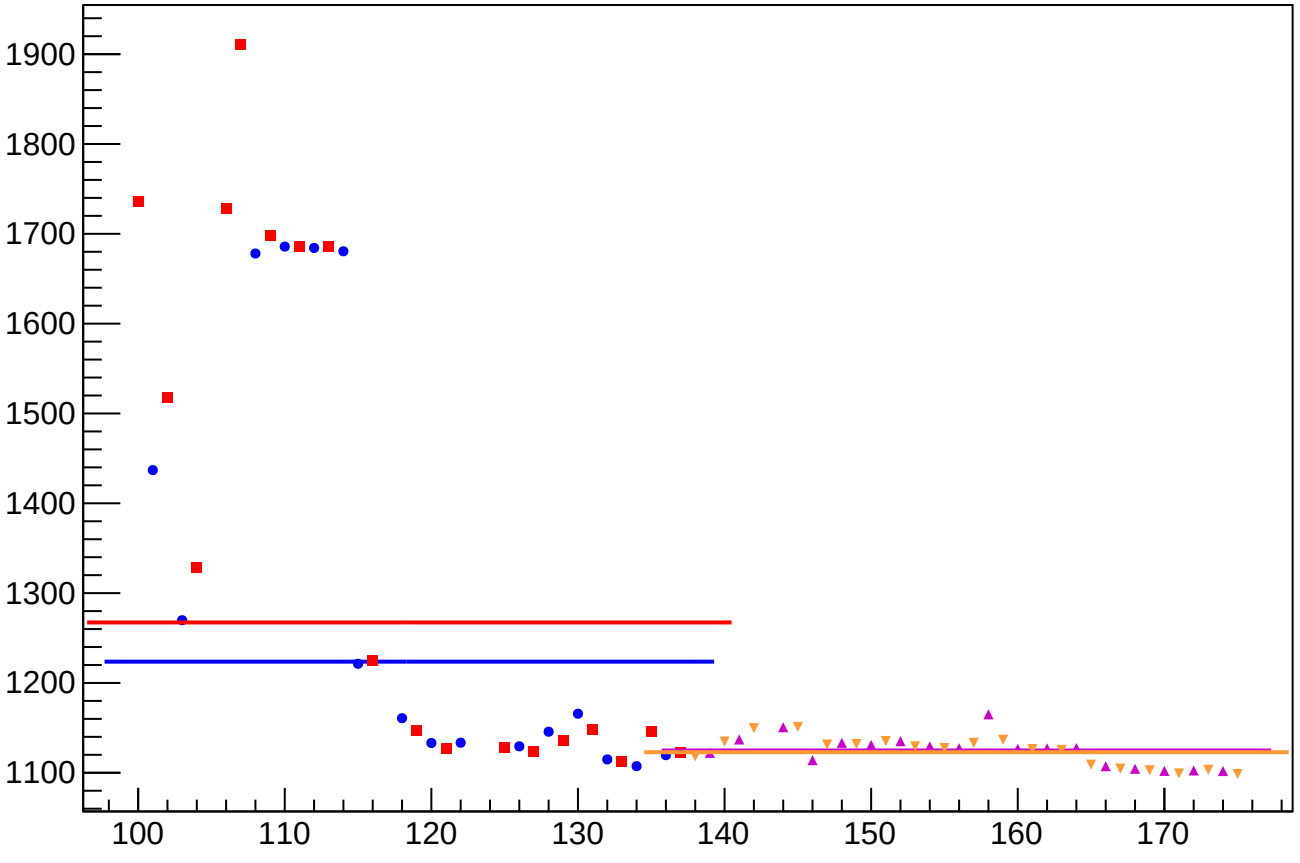
Left In: -39.695+/-291.596 χ^2/NDF:19.5/17

+ sign 108.531+/-244.820 χ^2/NDF: 28.0/34

All: 0.729+/-174.418 χ^2/NDF: 72.8/70

- sign -110.384+/-248.551 χ^2/NDF: 44.4/35

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.900+/-0.205 χ^2/NDF:5818.5/18

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

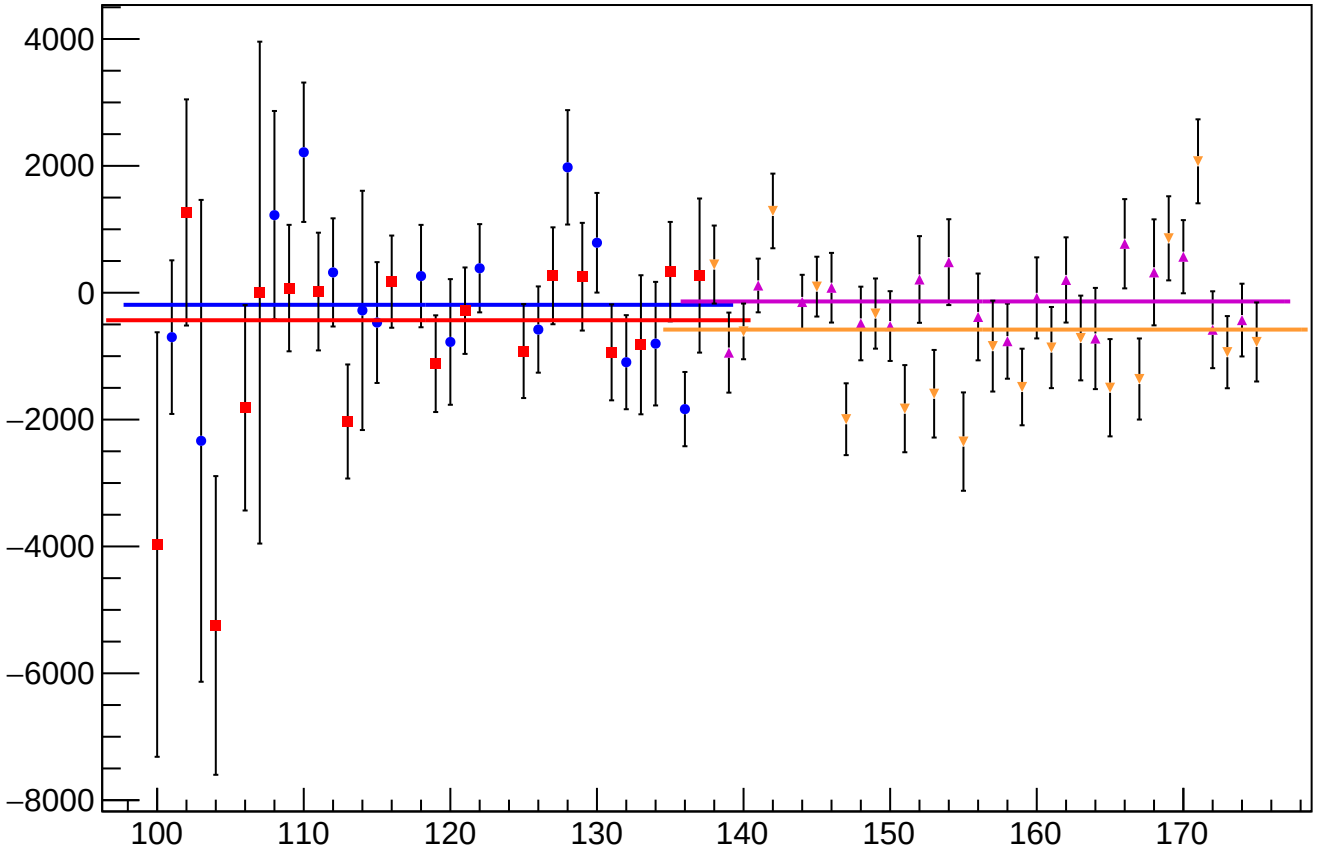
Left In: 1124.799+/-0.206 χ^2/NDF:6707.1/17

+ sign 1151.550+/-0.173 χ^2/NDF: 369766.4/34

All: 1157.574+/-0.123 χ^2/NDF: 949638.2/70

- sign 1163.783+/-0.176 χ^2/NDF: 577413.1/35

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -581.125+/-139.705 χ^2/NDF:58.8/18

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

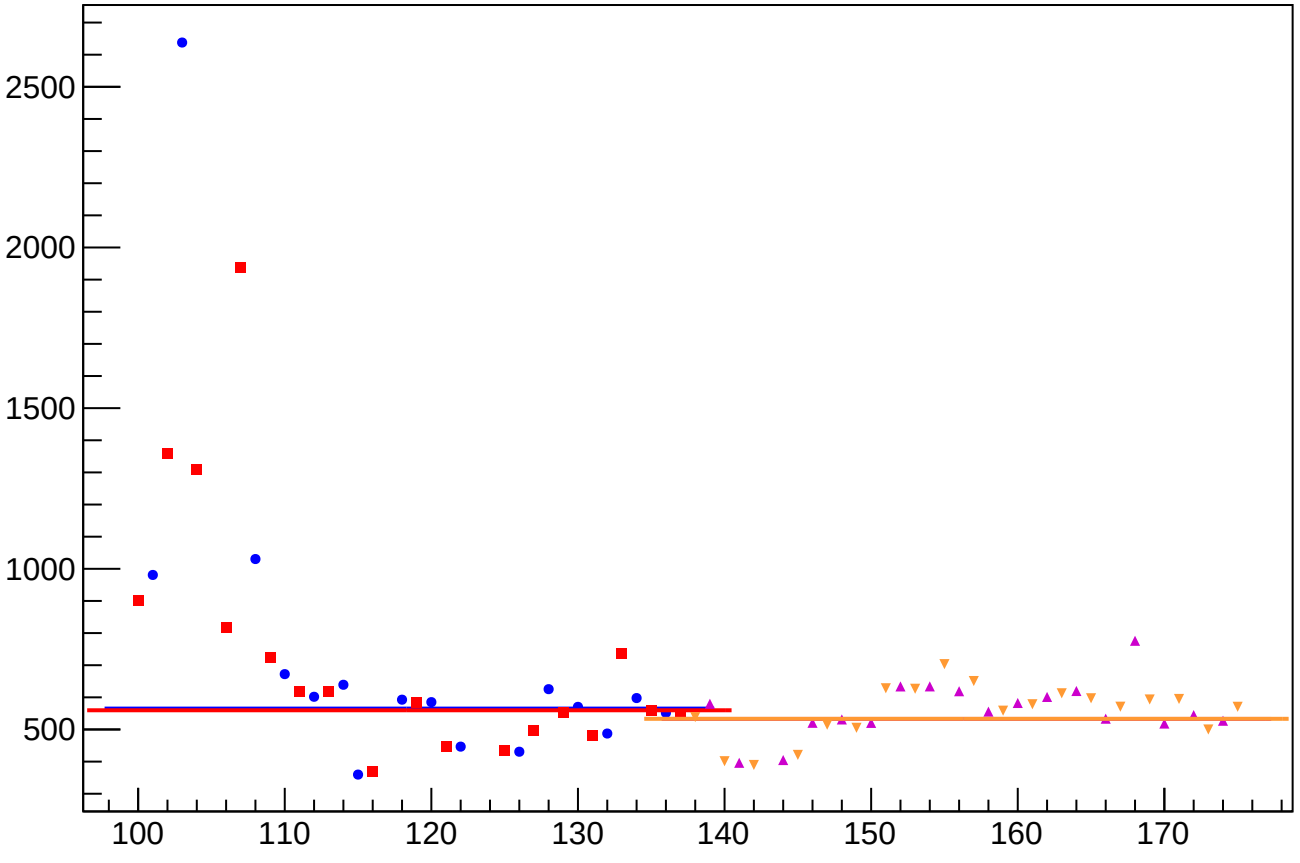
Left In: -137.503+/-140.167 χ^2/NDF:10.4/17

\+ sign -470.972+/-118.371 χ^2/NDF: 86.3/34

All: -346.460+/-83.836 χ^2/NDF: 116.1/70

\- sign -221.141+/-118.754 χ^2/NDF: 27.6/35

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 533.178+/-0.099 χ^2/NDF:756491.1/18

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

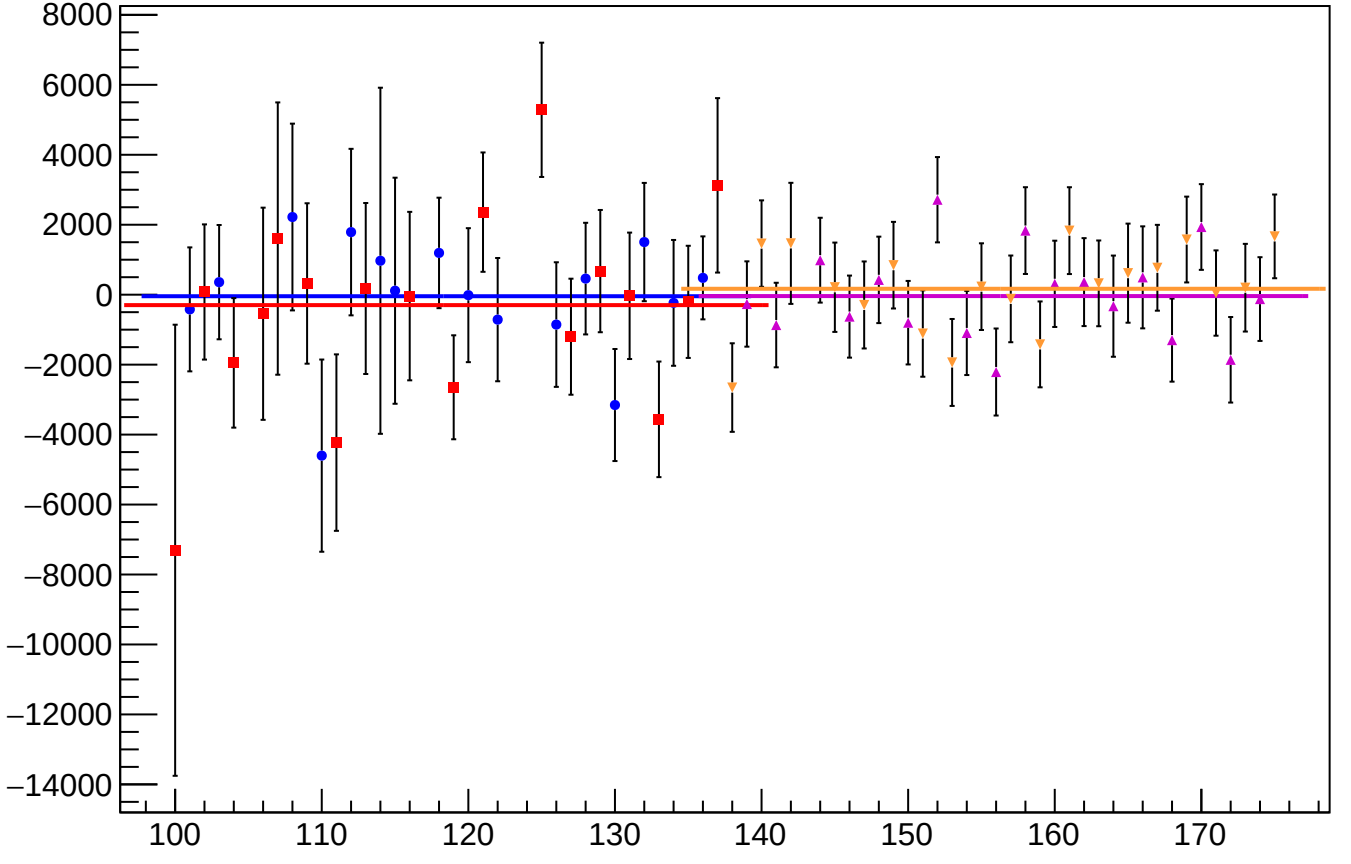
Left In: 532.711+/-0.099 χ^2/NDF:751074.1/17

+ sign 542.142+/-0.084 χ^2/NDF: 2070135.6/34

All: 541.246+/-0.059 χ^2/NDF: 4171811.1/70

- sign 540.344+/-0.084 χ^2/NDF: 2101445.5/35

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 169.065+/-289.371 χ^2/NDF:17.8/18

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

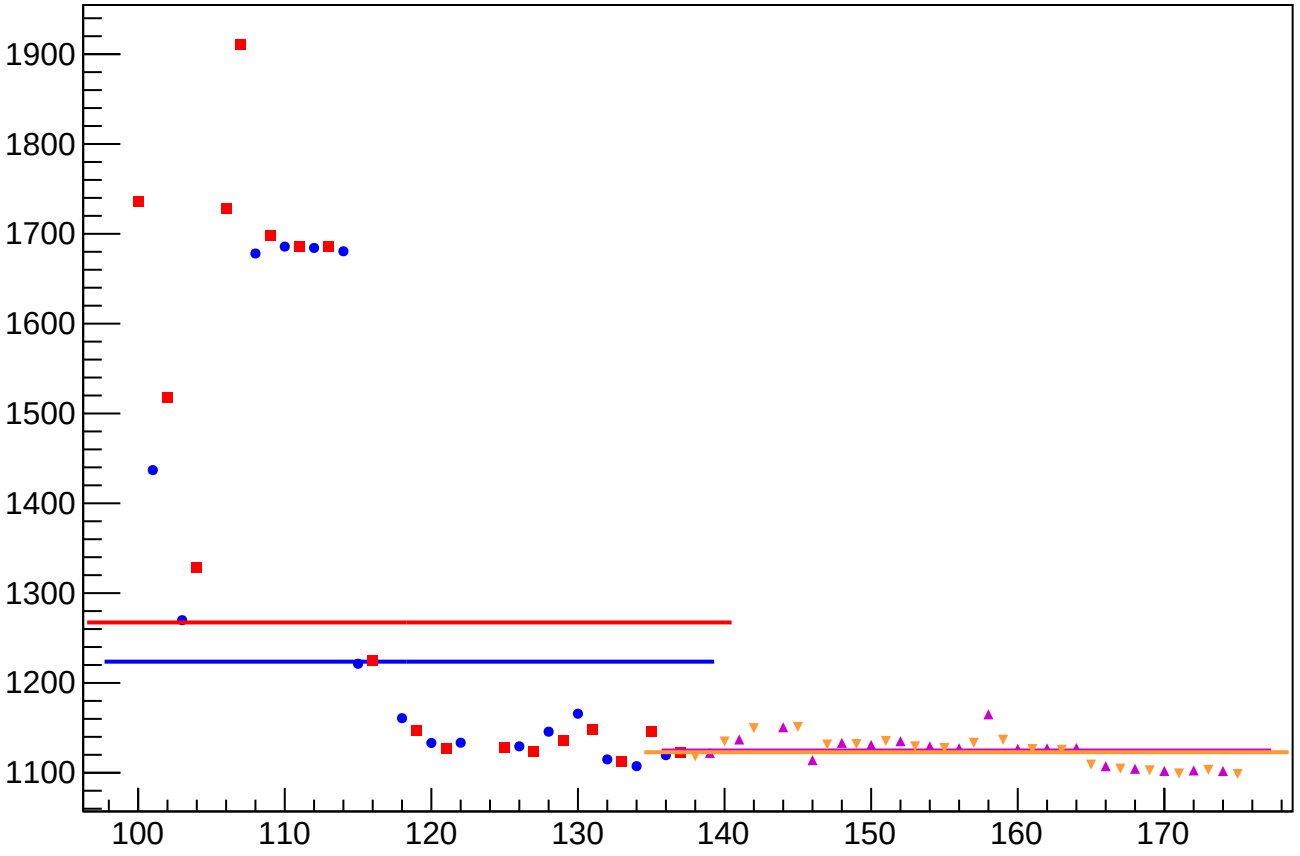
Left In: -39.695+/-291.596 χ^2/NDF:19.5/17

+ sign 108.531+/-244.820 χ^2/NDF: 28.0/34

All: 0.729+/-174.418 χ^2/NDF: 72.8/70

- sign -110.384+/-248.551 χ^2/NDF: 44.4/35

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.900+/-0.205 χ^2/NDF:5818.5/18

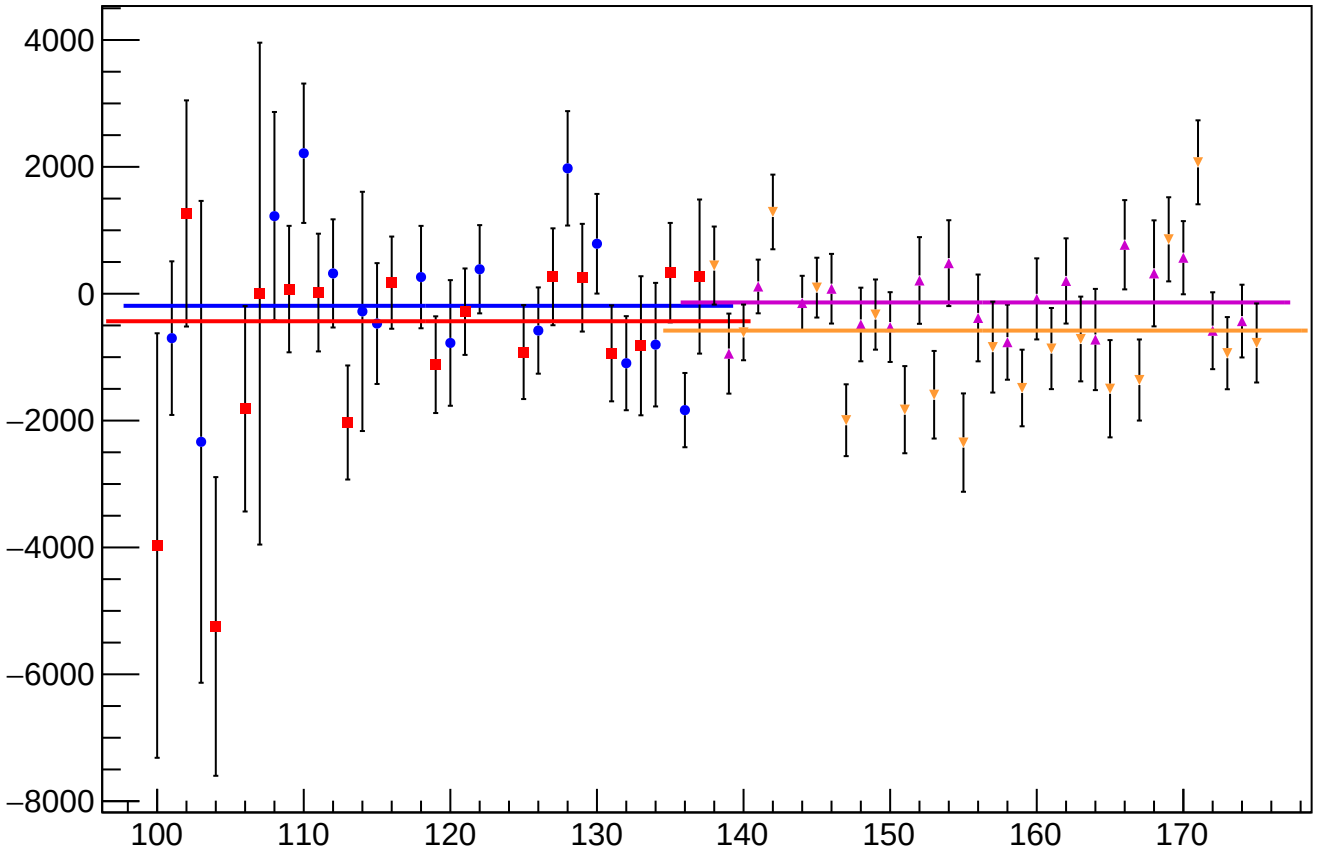
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1124.799+/-0.206 χ^2/NDF:6707.1/17

+ sign 1151.550+/-0.173 χ^2/NDF: 369766.4/34

All: 1157.574+/-0.123 χ^2/NDF: 949638.2/70

- sign 1163.783+/-0.176 χ^2/NDF: 577413.1/35



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -581.125+/-139.705 χ^2/NDF:58.8/18

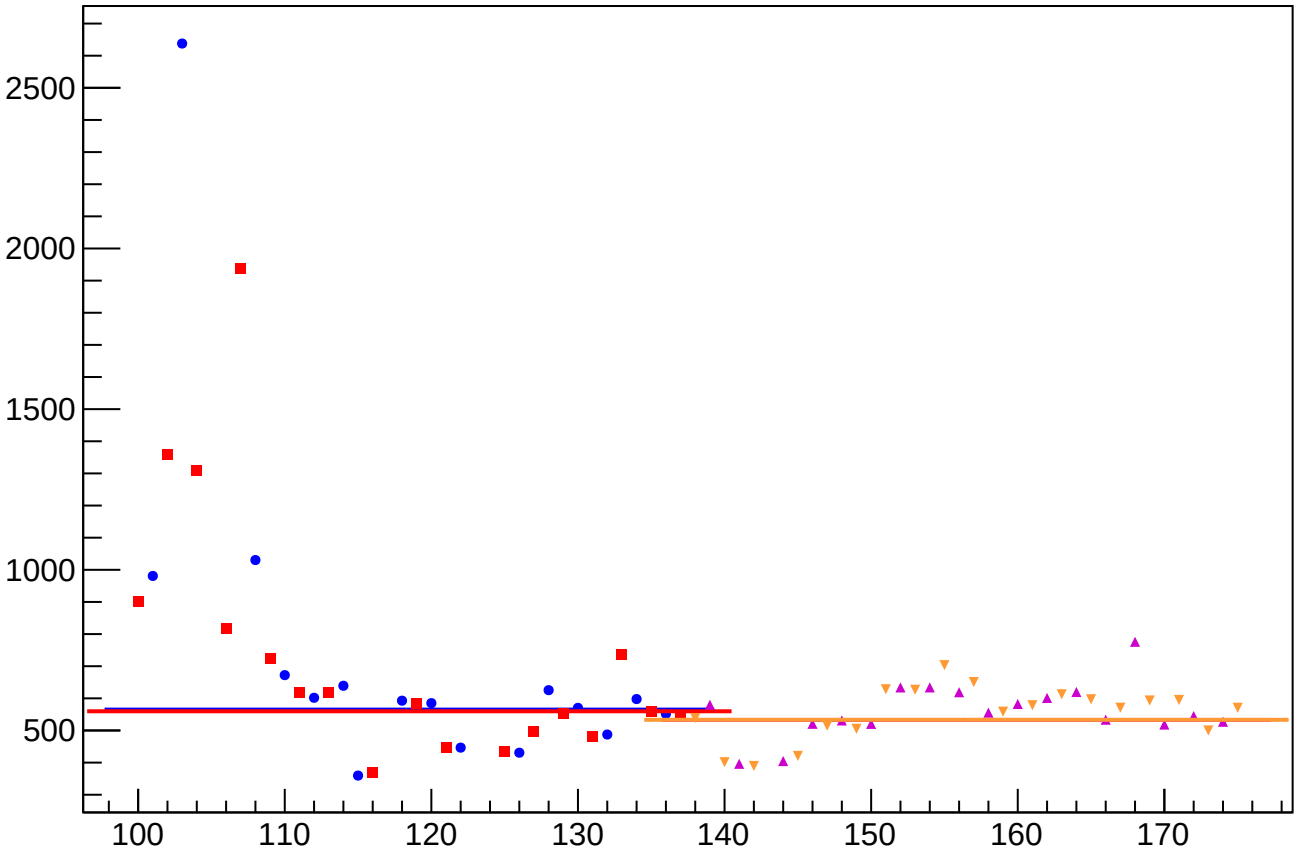
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -137.503+/-140.167 χ^2/NDF:10.4/17

\+ sign -470.972+/-118.371 χ^2/NDF: 86.3/34

All: -346.460+/-83.836 χ^2/NDF: 116.1/70

\- sign -221.141+/-118.754 χ^2/NDF: 27.6/35



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 533.178+/-0.099 χ^2/NDF:756491.1/18

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

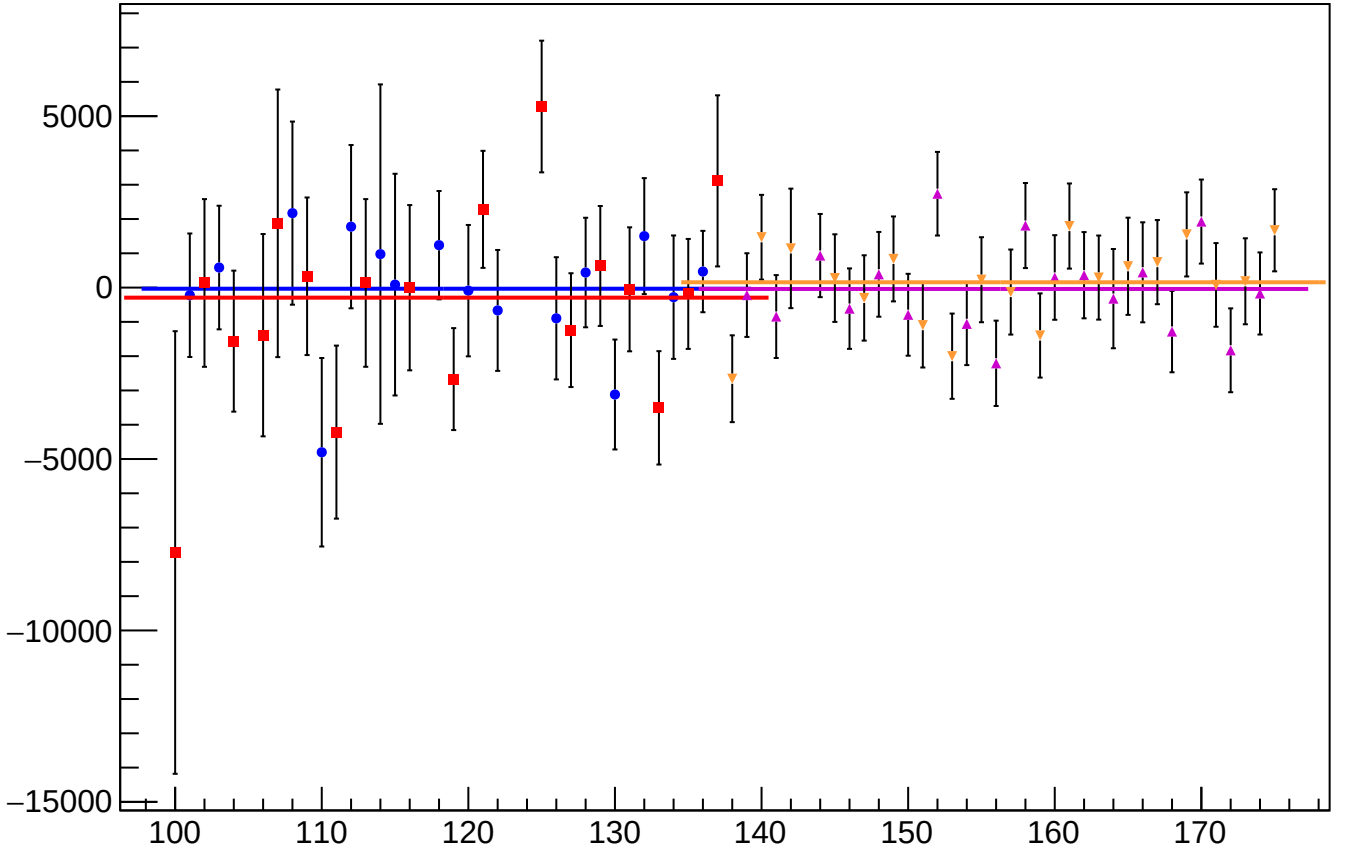
Left In: 532.711+/-0.099 χ^2/NDF:751074.1/17

+ sign 542.142+/-0.084 χ^2/NDF: 2070135.6/34

All: 541.246+/-0.059 χ^2/NDF: 4171811.1/70

- sign 540.344+/-0.084 χ^2/NDF: 2101445.5/35

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 155.205+/-289.543 χ^2/NDF:17.5/18

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

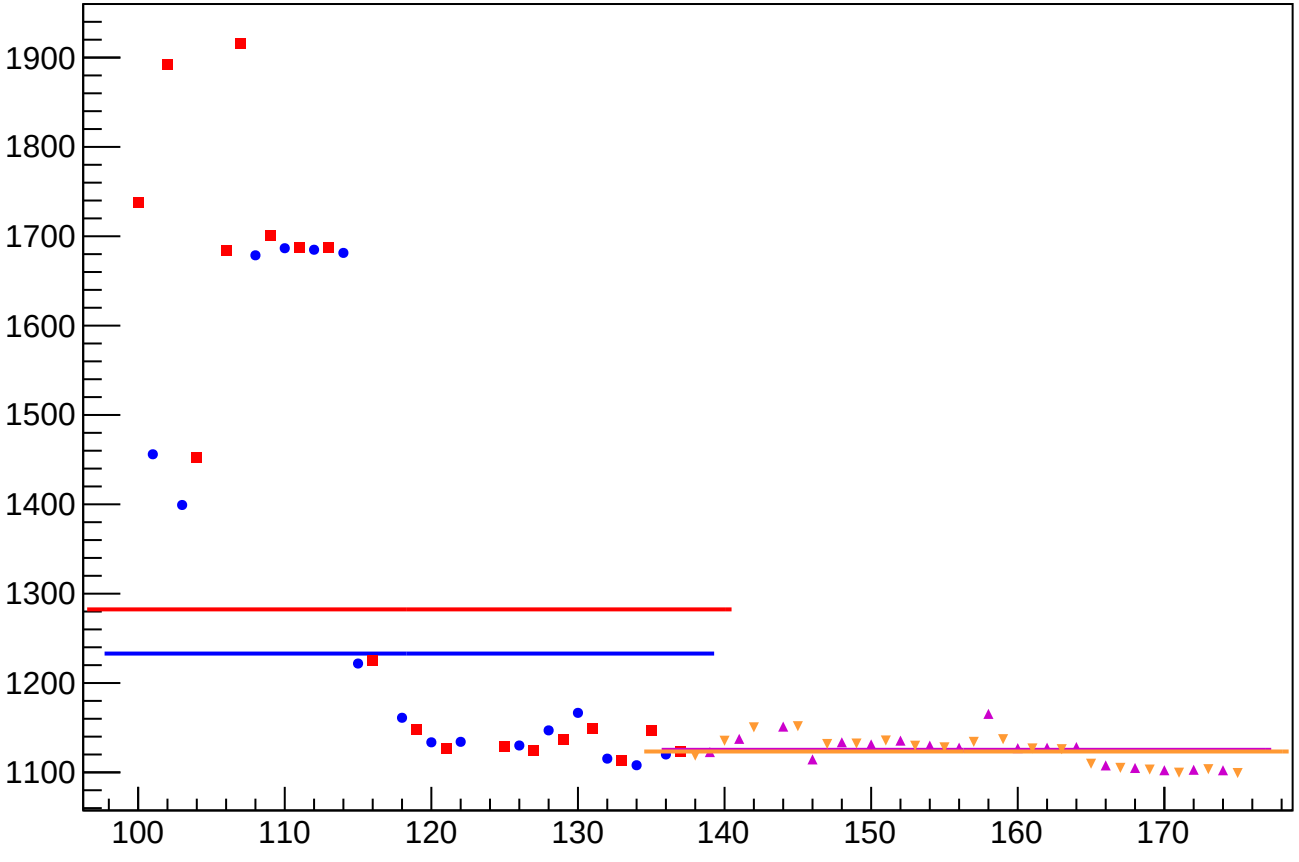
Left In: -39.955+/-291.710 χ^2/NDF:19.2/17

+ sign 102.312+/-245.524 χ^2/NDF: 27.9/34

All: -0.784+/-175.110 χ^2/NDF: 71.9/70

- sign -107.518+/-249.818 χ^2/NDF: 43.6/35

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1123.360+/-0.205 χ^2/NDF:5819.2/18

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

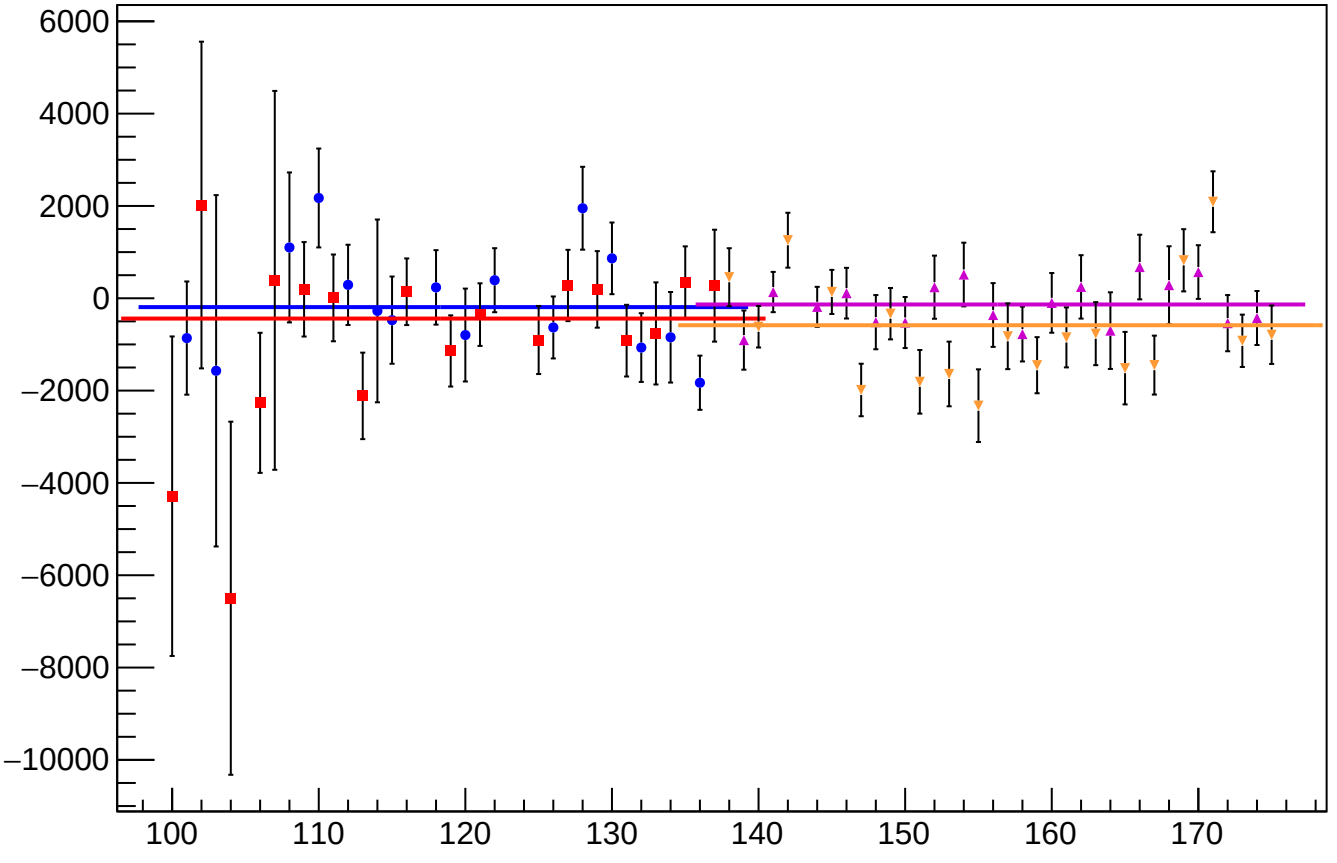
Left In: 1125.237+/-0.206 χ^2/NDF:6711.4/17

+ sign 1154.153+/-0.174 χ^2/NDF: 401805.9/34

All: 1160.533+/-0.124 χ^2/NDF: 1109448.8/70

- sign 1167.137+/-0.177 χ^2/NDF: 704894.7/35

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -584.216+/-141.214 χ^2/NDF:58.1/18

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

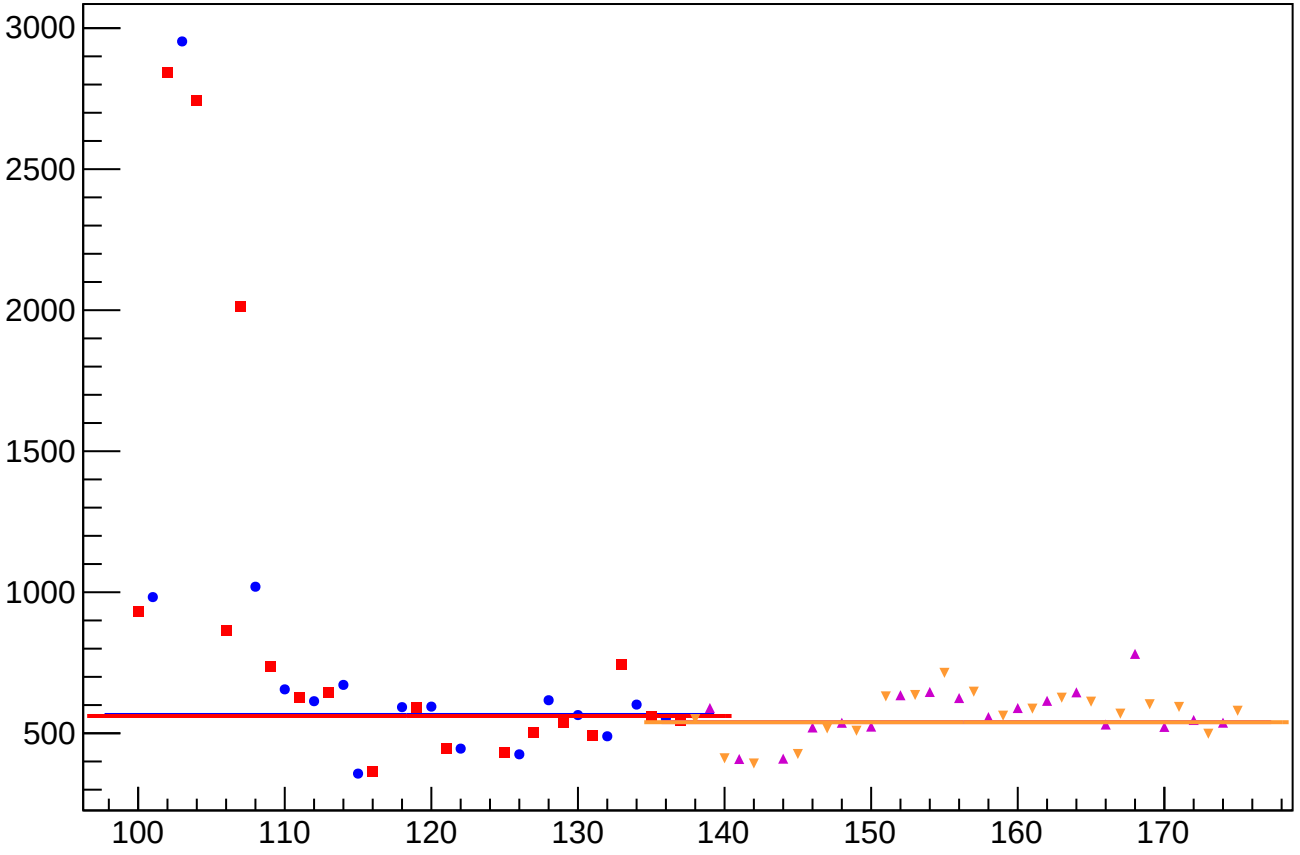
Left In: -134.340+/-141.908 χ^2/NDF:9.9/17

+ sign -471.648+/-119.269 χ^2/NDF: 85.6/34

All: -347.042+/-84.688 χ^2/NDF: 113.7/70

- sign -220.336+/-120.270 χ^2/NDF: 25.9/35

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 539.213+/-0.100 χ^2/NDF:740184.7/18

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

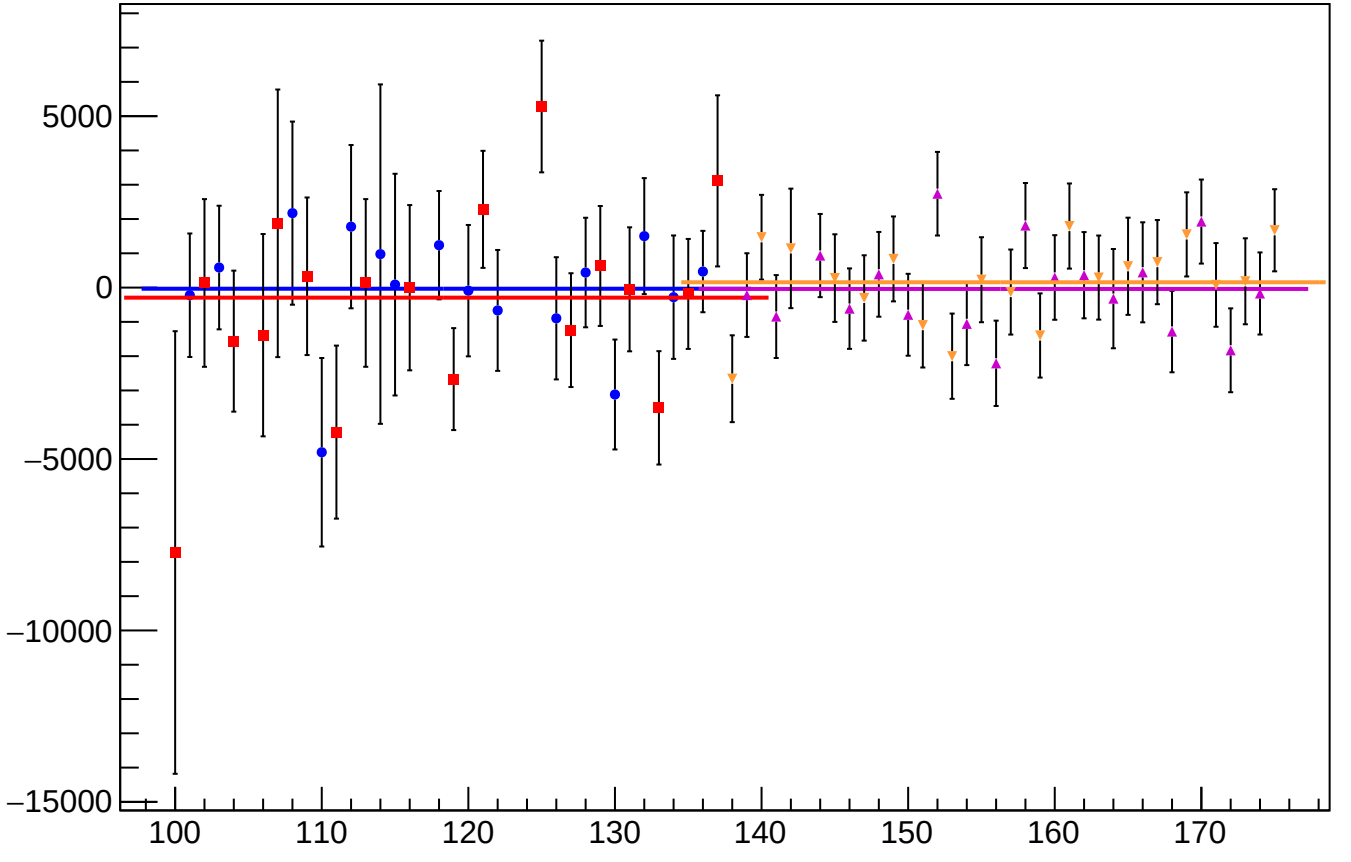
Left In: 539.681+/-0.100 χ^2/NDF:729469.9/17

+ sign 546.568+/-0.084 χ^2/NDF: 2239486.8/34

All: 546.169+/-0.060 χ^2/NDF: 5255417.3/70

- sign 545.764+/-0.085 χ^2/NDF: 3015885.4/35

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 155.203+/-289.543 χ^2/NDF:17.5/18

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

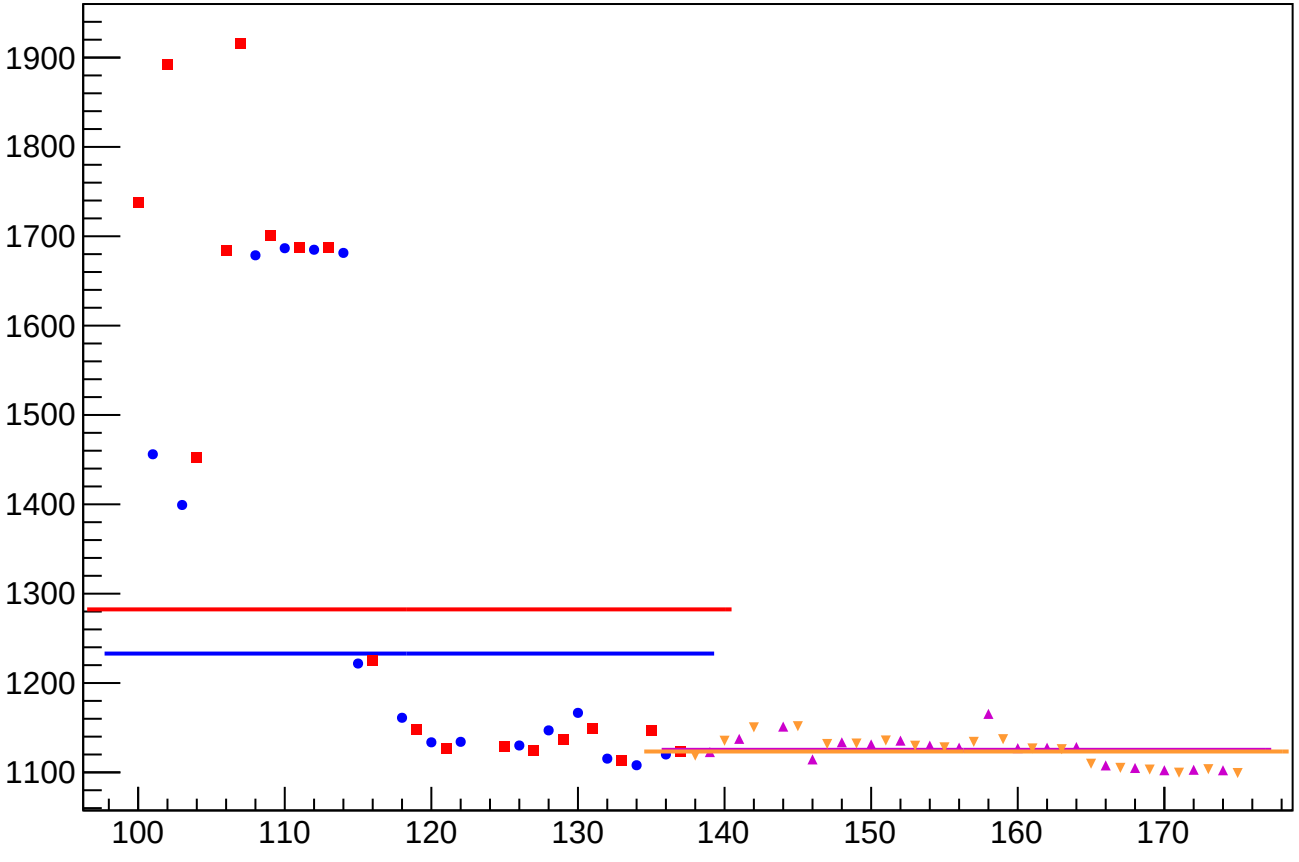
Left In: -39.956+/-291.710 χ^2/NDF:19.2/17

+ sign 102.311+/-245.524 χ^2/NDF: 27.9/34

All: -0.785+/-175.110 χ^2/NDF: 71.9/70

- sign -107.518+/-249.818 χ^2/NDF: 43.6/35

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1123.360+/-0.205 χ^2/NDF:5819.2/18

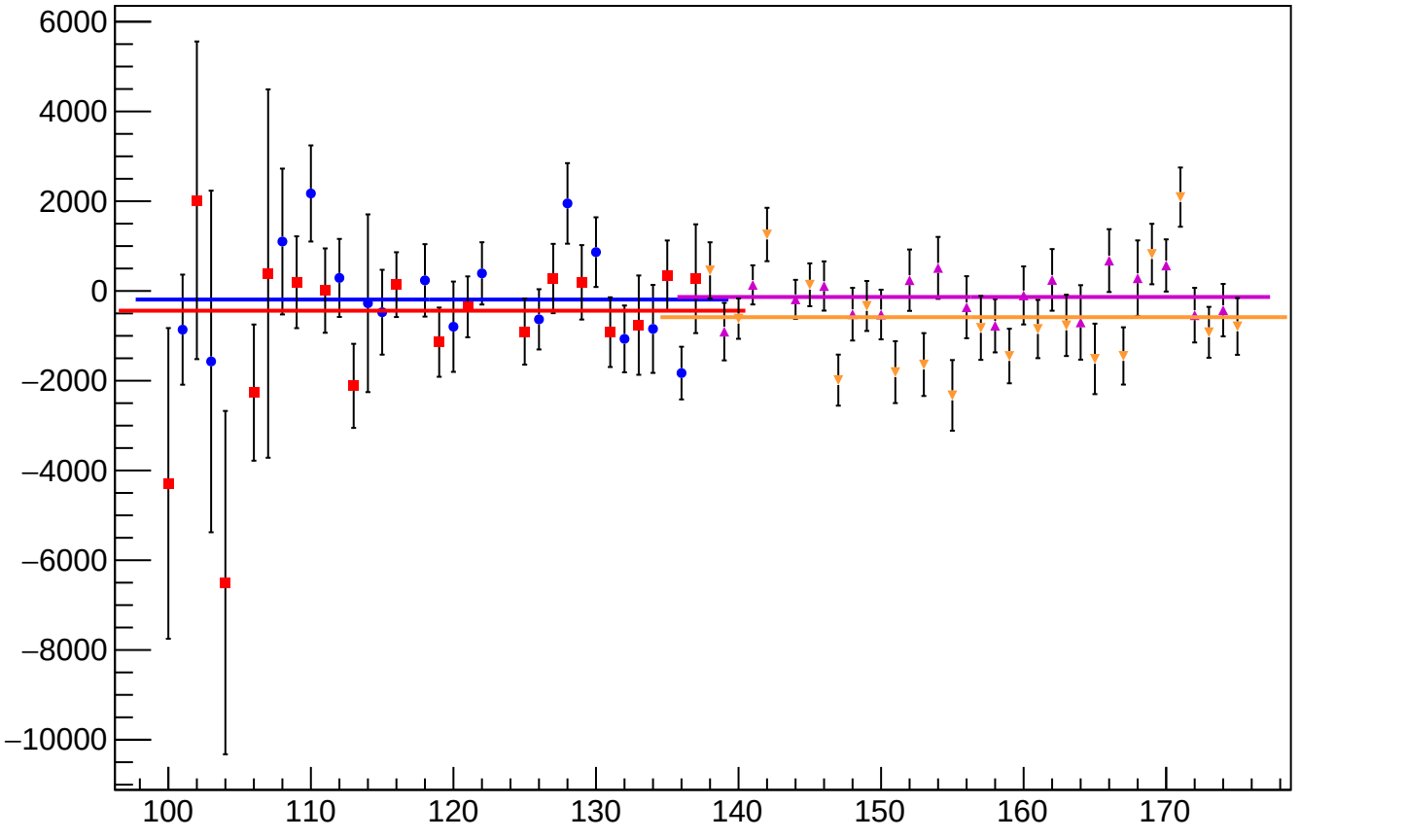
Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1125.237+/-0.206 χ^2/NDF:6711.4/17

+ sign 1154.153+/-0.174 χ^2/NDF: 401805.4/34

All: 1160.533+/-0.124 χ^2/NDF: 1109447.6/70

- sign 1167.137+/-0.177 χ^2/NDF: 704894.0/35



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -584.215+/-141.214 χ^2/NDF:58.1/18

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

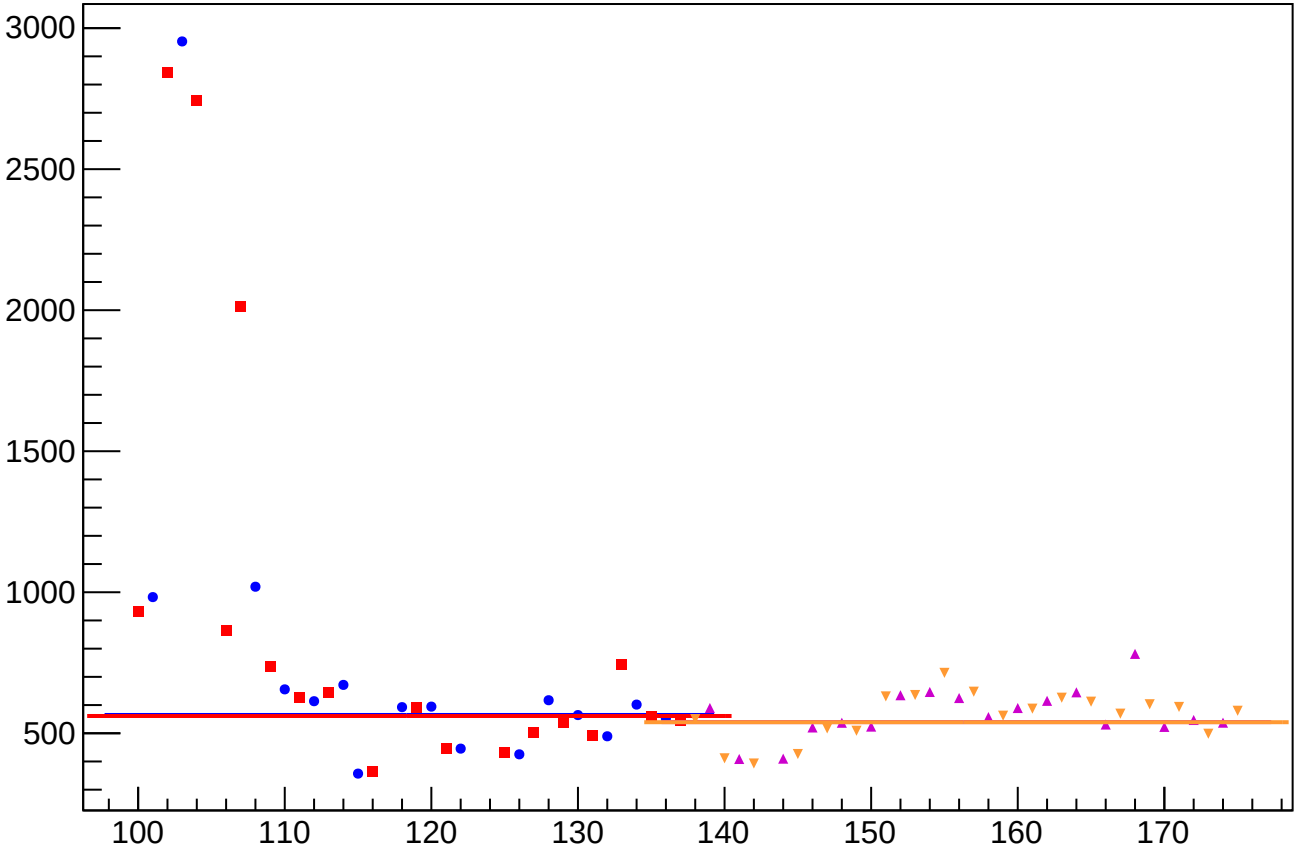
Left In: -134.340+/-141.908 χ^2/NDF:9.9/17

+ sign -471.647+/-119.269 χ^2/NDF: 85.6/34

All: -347.042+/-84.688 χ^2/NDF: 113.7/70

- sign -220.336+/-120.270 χ^2/NDF: 25.9/35

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 539.212+/-0.100 χ^2/NDF:740203.2/18

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

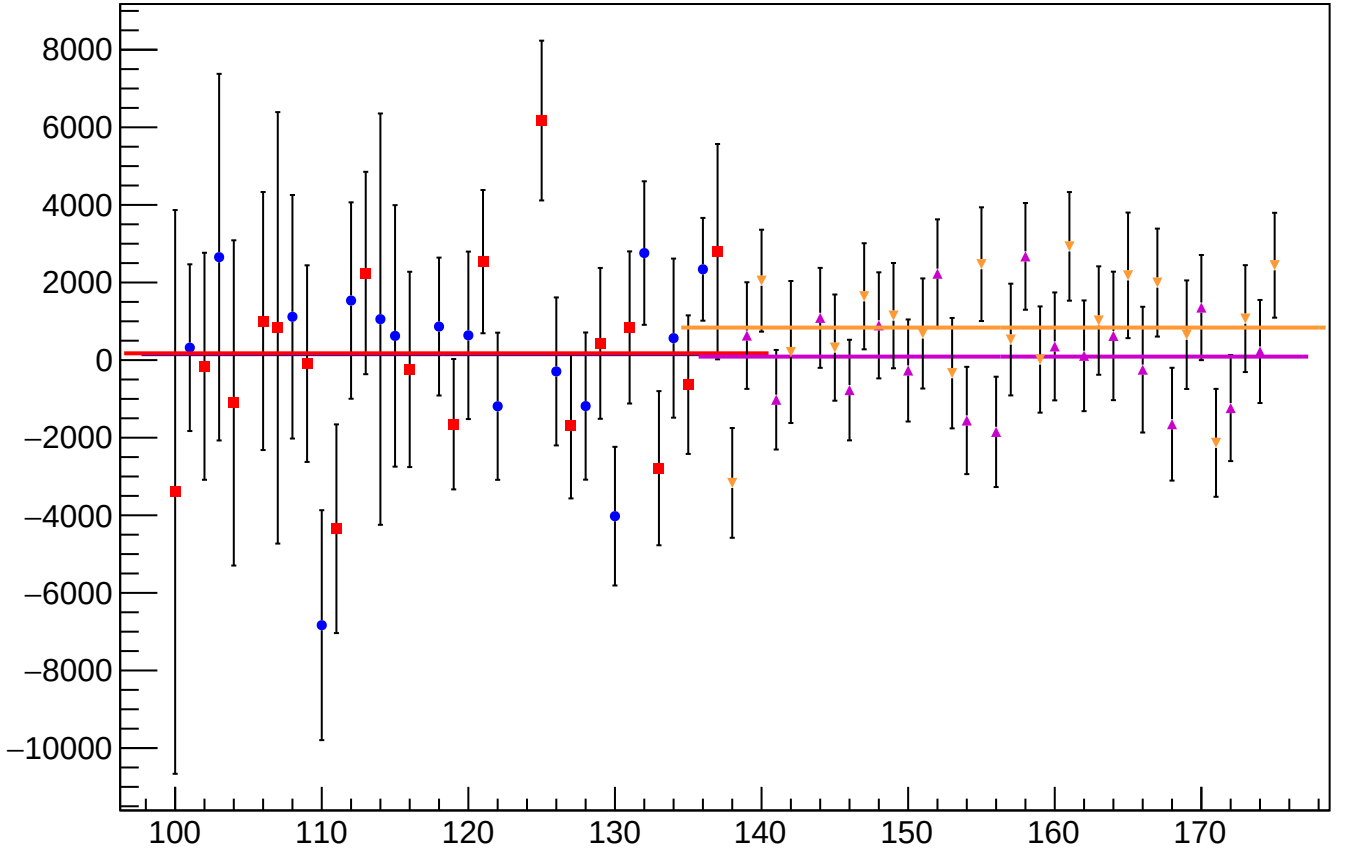
Left In: 539.680+/-0.100 χ^2/NDF:729482.3/17

+ sign 546.568+/-0.084 χ^2/NDF: 2239503.6/34

All: 546.169+/-0.060 χ^2/NDF: 5255447.8/70

- sign 545.763+/-0.085 χ^2/NDF: 3015899.1/35

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 838.108+/-324.711 χ^2/NDF:21.5/18

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

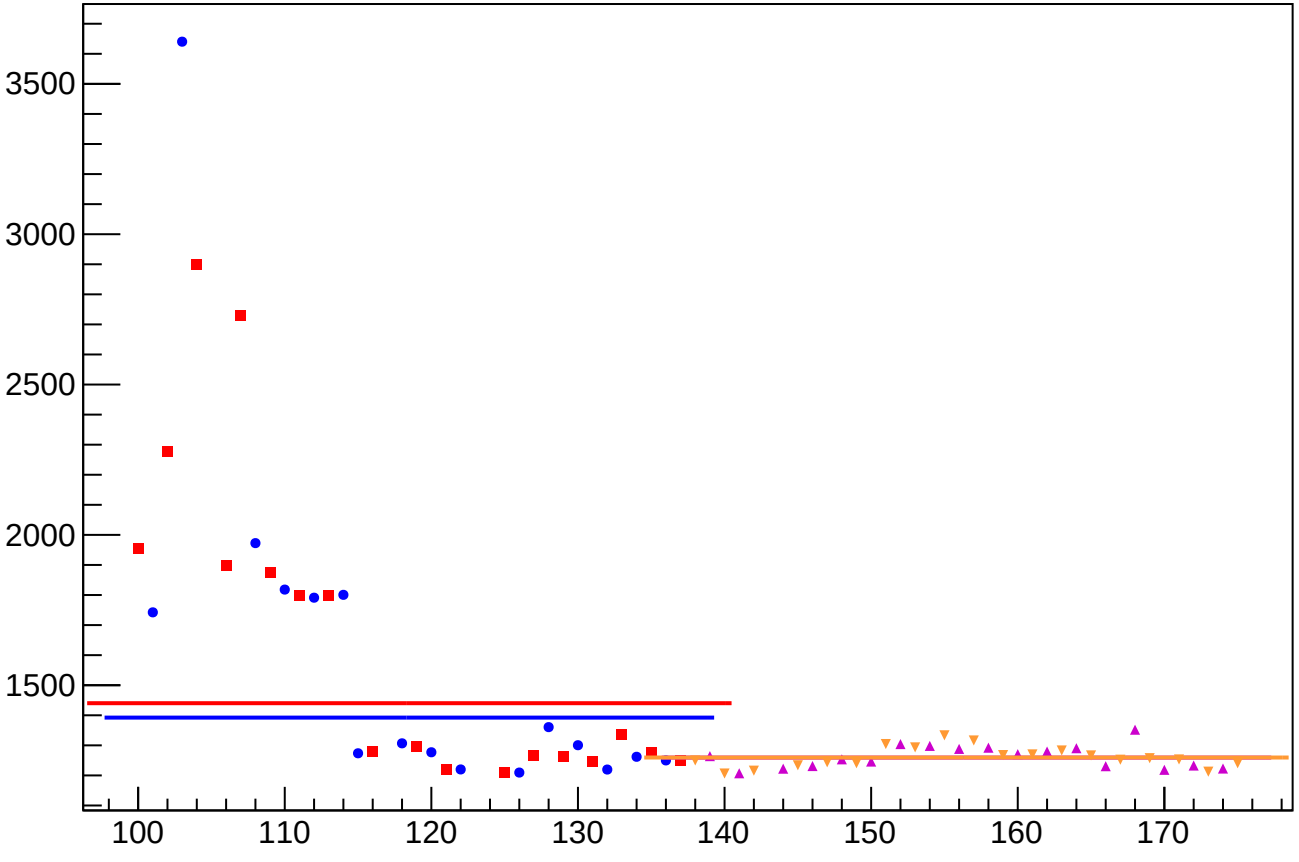
Left In: 90.033+/-326.585 χ^2/NDF:14.9/17

+ sign 652.305+/-277.176 χ^2/NDF: 40.5/34

All: 385.689+/-197.273 χ^2/NDF: 77.0/70

- sign 111.995+/-280.831 χ^2/NDF: 34.6/35

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1259.539+/-0.230 χ^2/NDF:20814.2/18

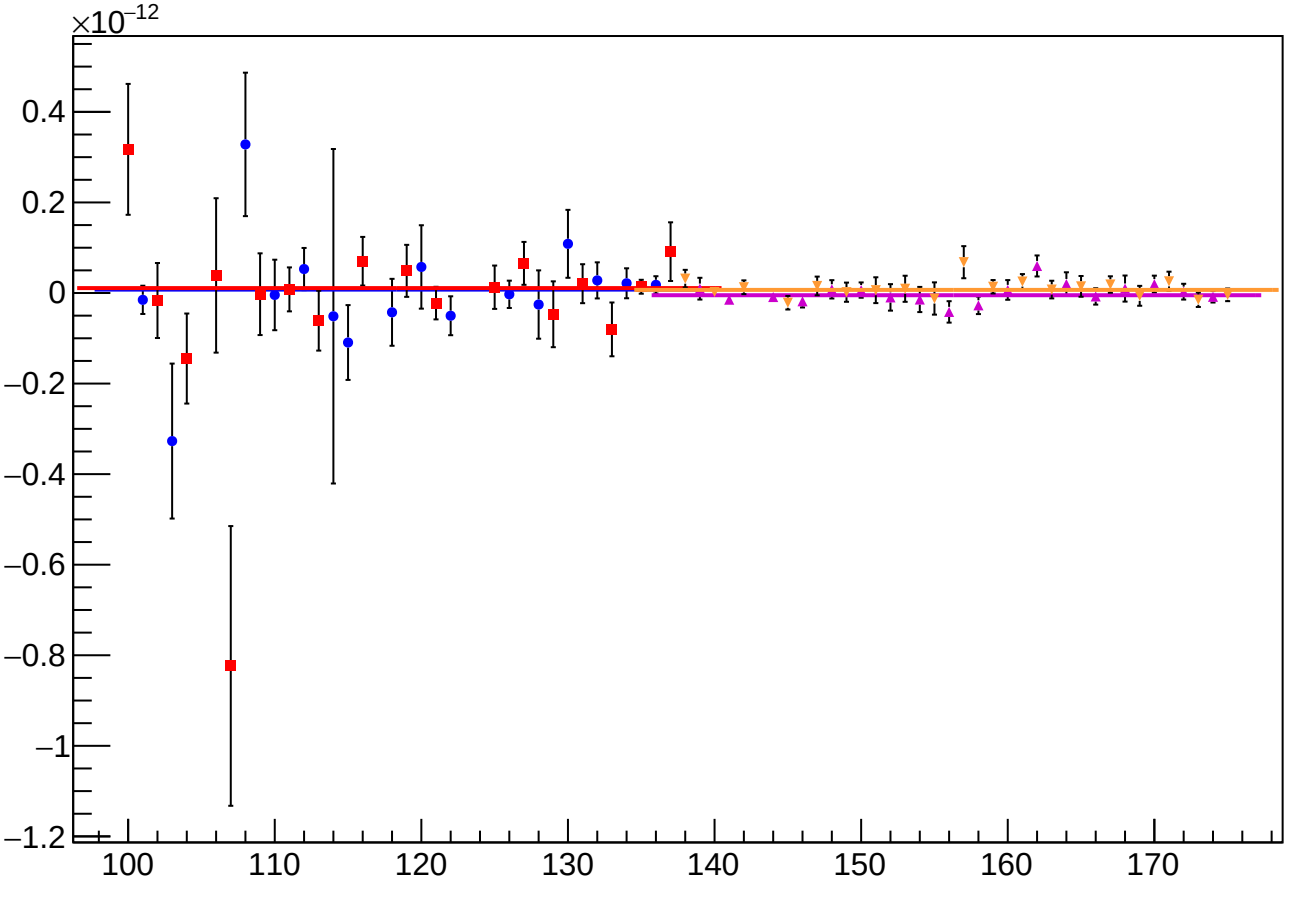
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1259.268+/-0.231 χ^2/NDF:25819.6/17

+ sign 1295.564+/-0.196 χ^2/NDF: 890774.2/34

All: 1300.920+/-0.139 χ^2/NDF: 1932984.5/70

- sign 1306.419+/-0.199 χ^2/NDF: 1040696.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

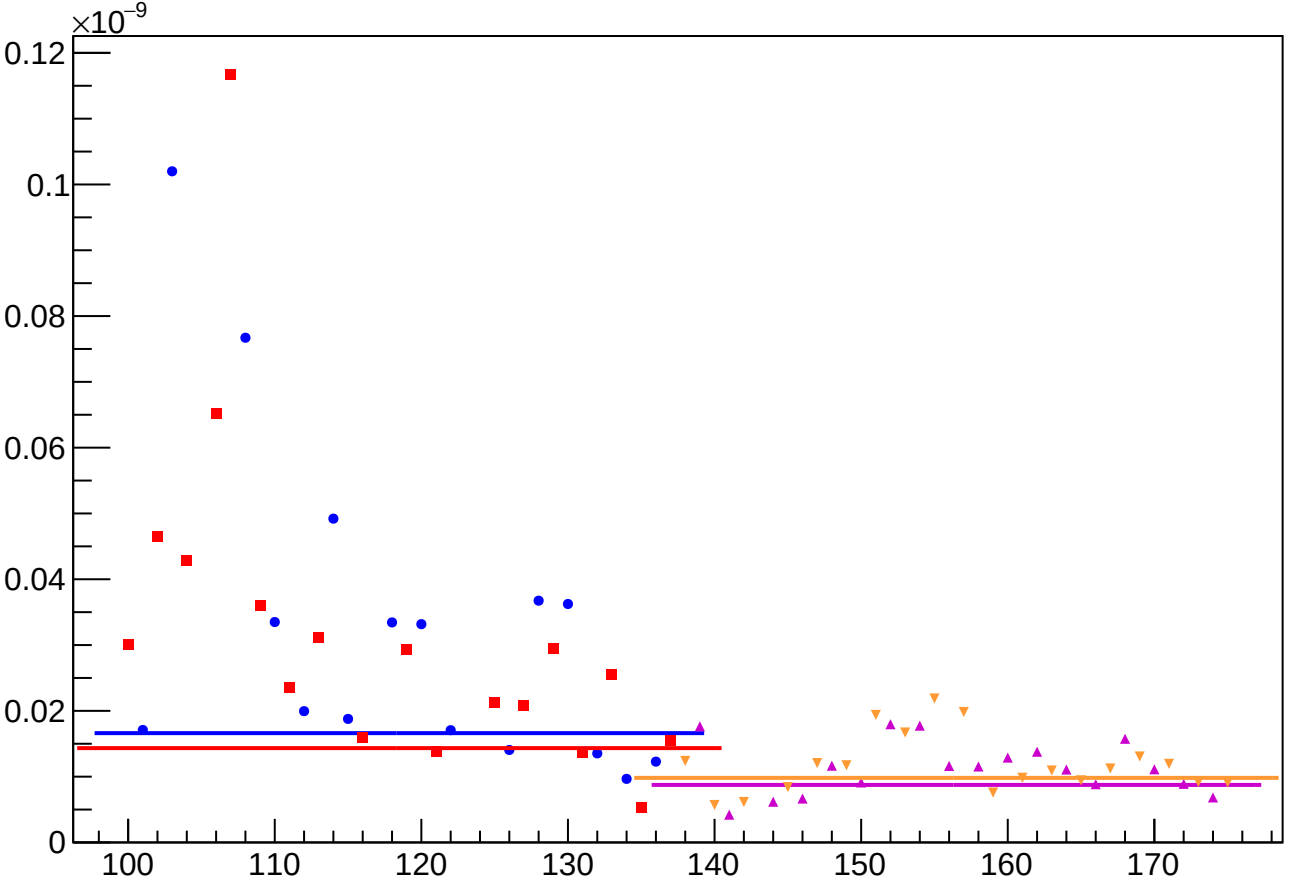
Left In: -0.000+/-0.000 χ^2/NDF:18.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 31.5/34

All: 0.000+/-0.000 χ^2/NDF: 79.3/70

- sign -0.000+/-0.000 χ^2/NDF: 44.5/35

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1351905.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

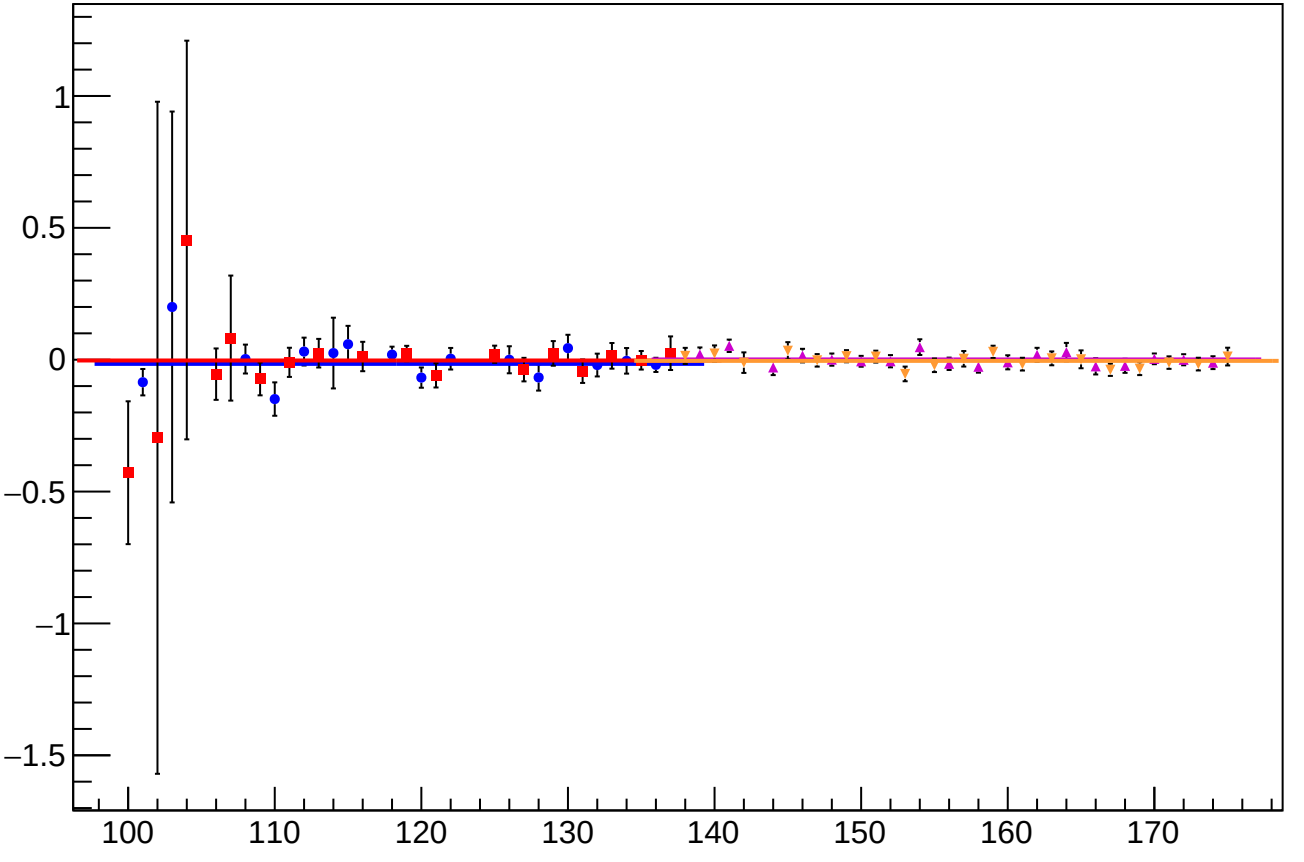
Left In: 0.000+/-0.000 χ^2/NDF:1804819.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 3606579.4/34

All: 0.000+/-0.000 χ^2/NDF: 8262177.2/70

- sign 0.000+/-0.000 χ^2/NDF: 4549706.7/35

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.004+/-0.006 χ^2/NDF:14.1/18

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

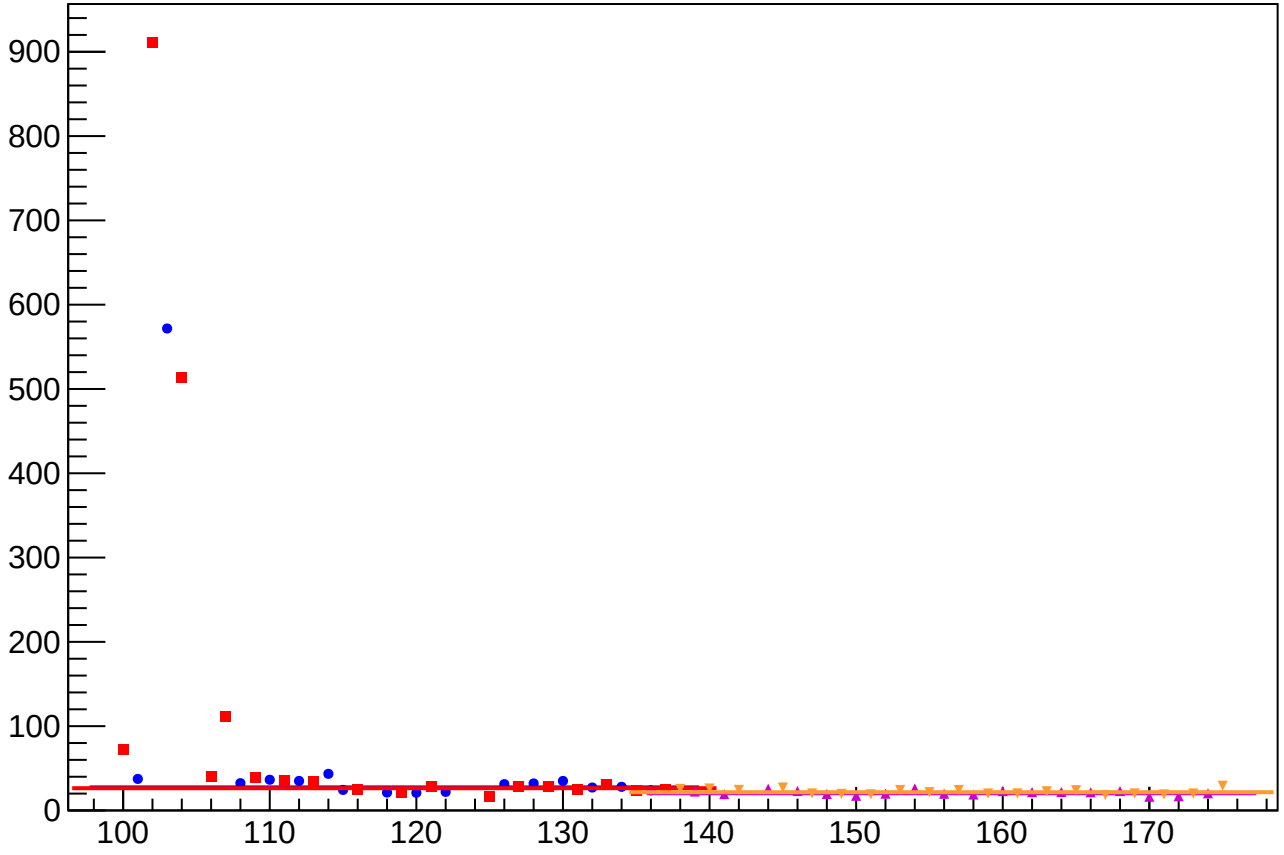
Left In: 0.001+/-0.006 χ^2/NDF:14.5/17

+ sign -0.007+/-0.005 χ^2/NDF: 29.4/34

All: -0.003+/-0.004 χ^2/NDF: 54.8/70

- sign 0.000+/-0.005 χ^2/NDF: 24.4/35

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.652+/-0.004 χ^2/NDF:437117.6/18

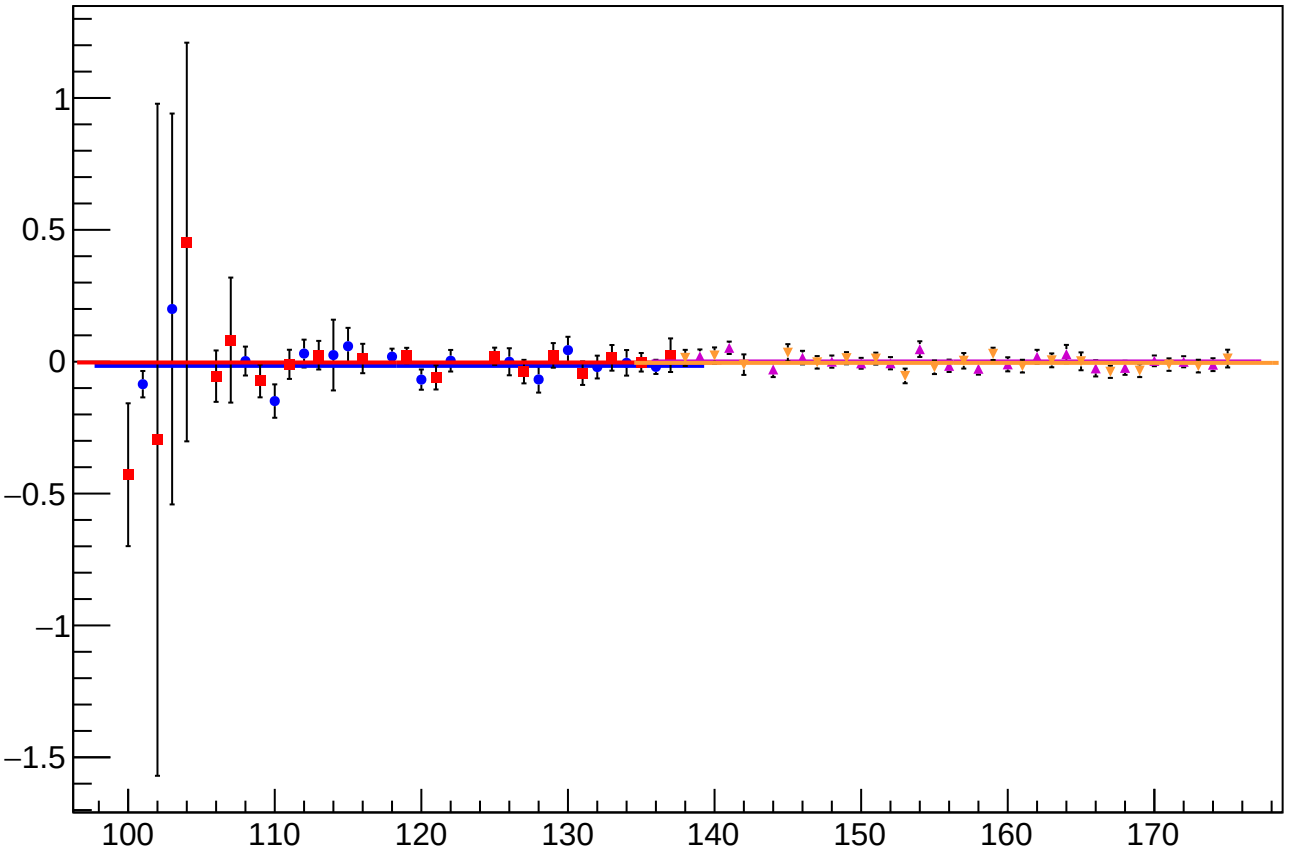
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.343+/-0.004 χ^2/NDF:421773.8/17

+ sign 22.877+/-0.004 χ^2/NDF: 2380080.9/34

All: 22.170+/-0.003 χ^2/NDF: 5894883.8/70

- sign 21.497+/-0.004 χ^2/NDF: 3447372.6/35



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.004+/-0.006 χ^2/NDF:14.1/18

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

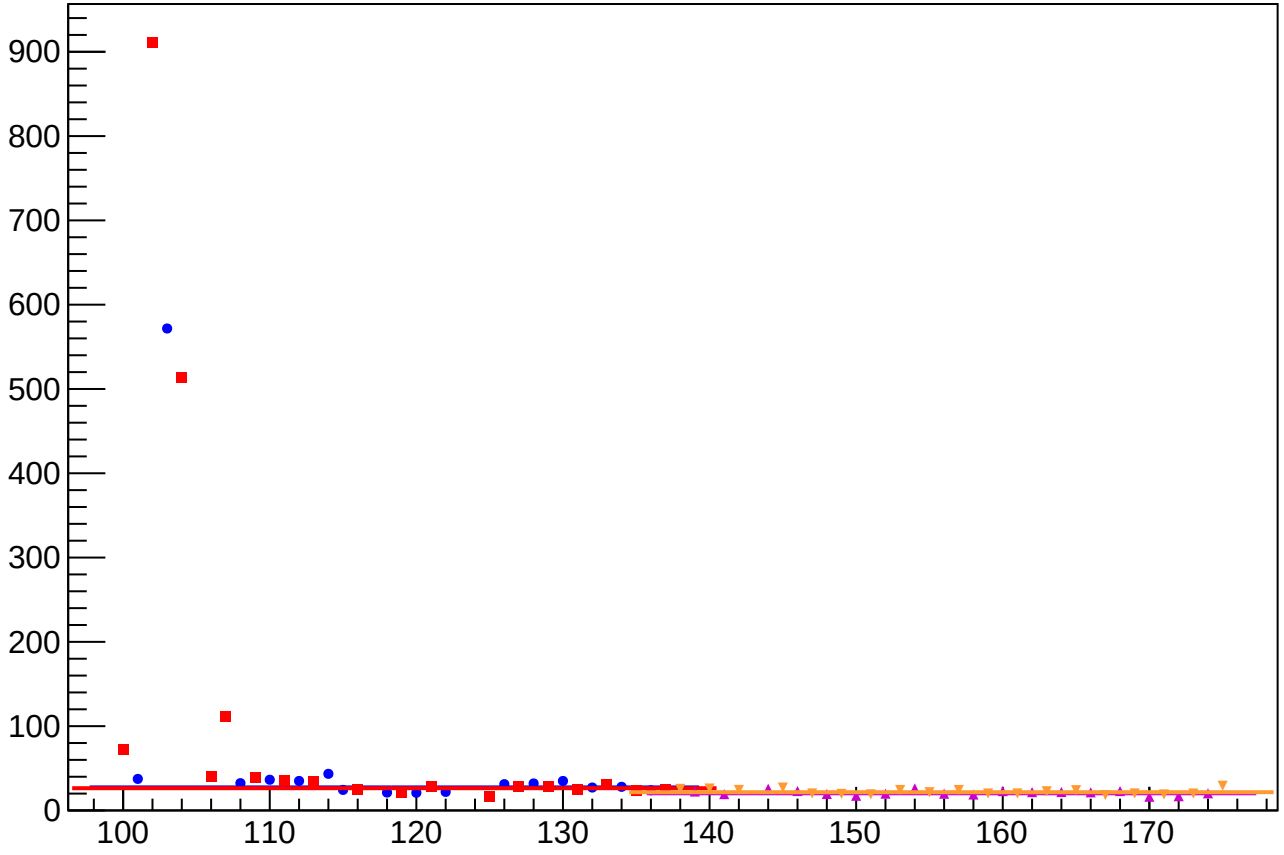
Left In: 0.001+/-0.006 χ^2/NDF:14.5/17

+ sign -0.007+/-0.005 χ^2/NDF: 29.4/34

All: -0.003+/-0.004 χ^2/NDF: 54.8/70

- sign 0.000+/-0.005 χ^2/NDF: 24.4/35

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.652+/-0.004 χ^2/NDF:437117.6/18

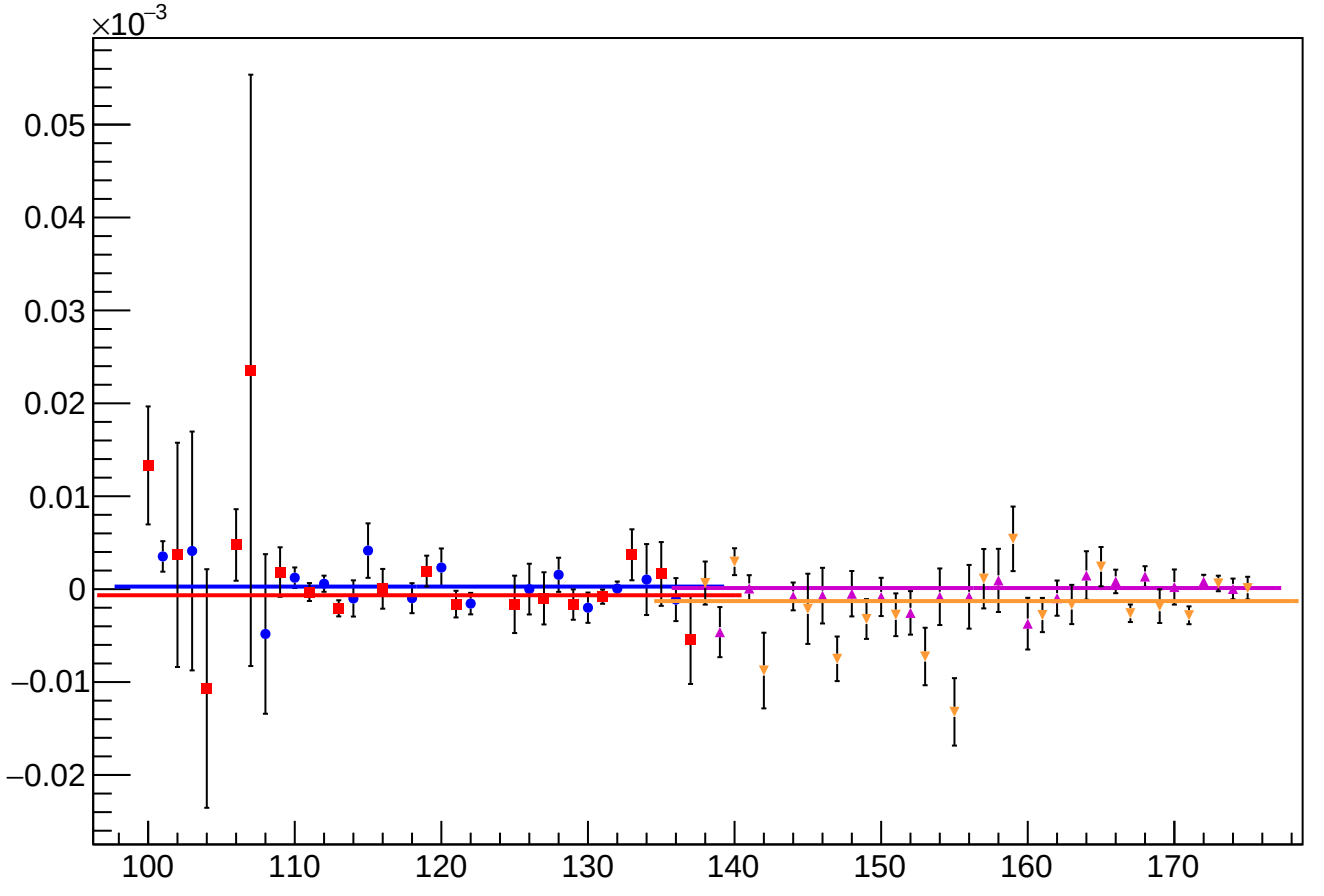
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.343+/-0.004 χ^2/NDF:421773.8/17

+ sign 22.877+/-0.004 χ^2/NDF: 2380080.9/34

All: 22.170+/-0.003 χ^2/NDF: 5894883.8/70

- sign 21.497+/-0.004 χ^2/NDF: 3447372.6/35



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:54.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

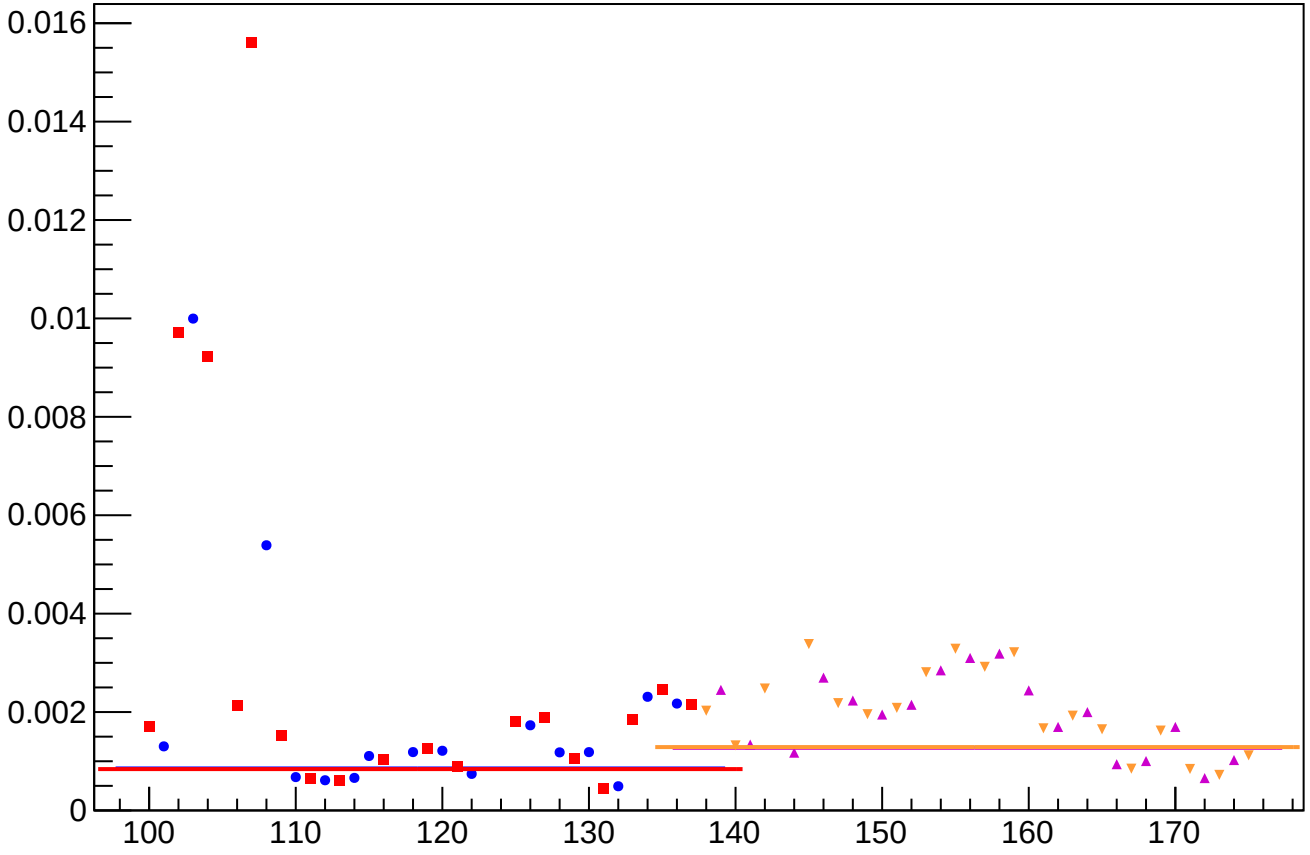
Left In: 0.000+/-0.000 χ^2/NDF:10.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 77.2/34

All: -0.000+/-0.000 χ^2/NDF: 109.3/70

- sign -0.000+/-0.000 χ^2/NDF: 31.6/35

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:6133232.8/18

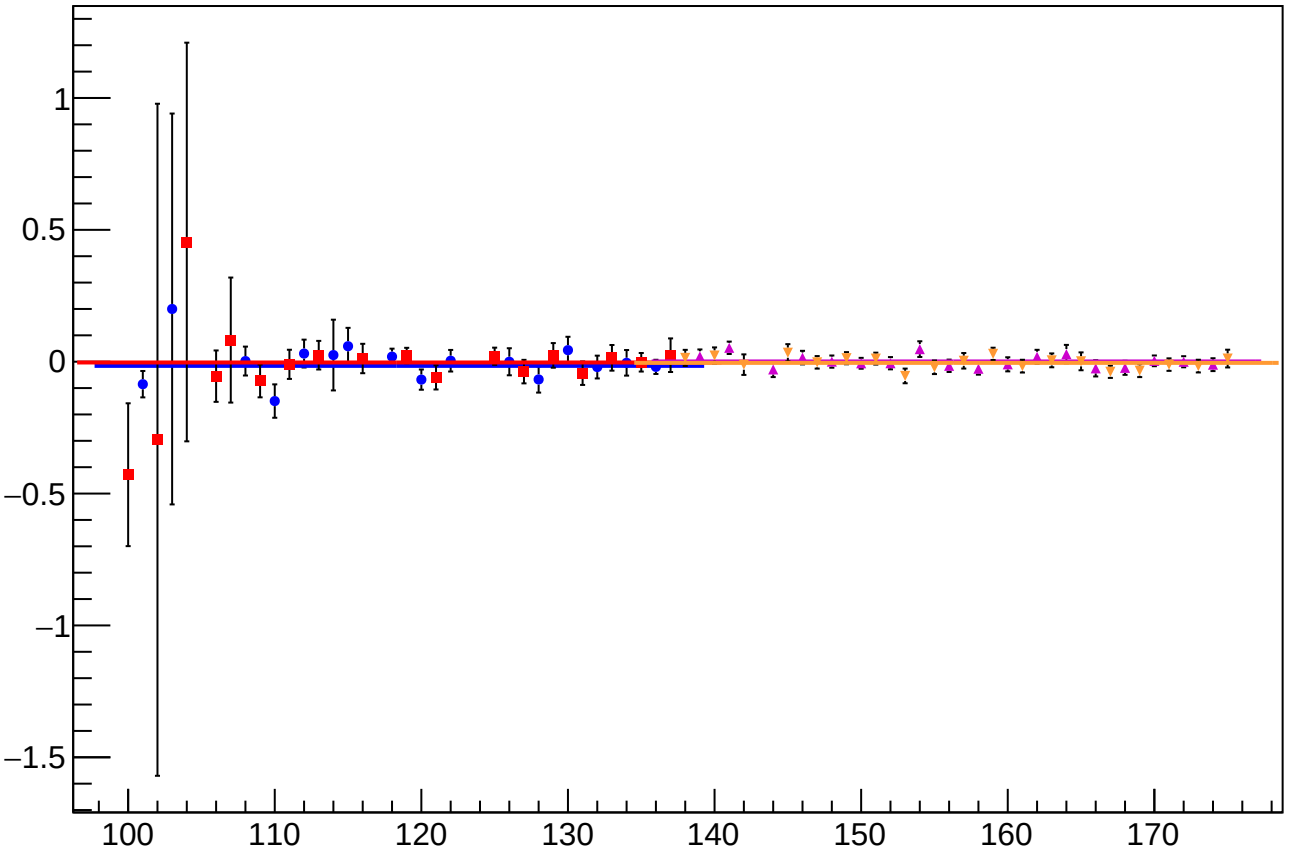
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:5864082.4/17

+ sign 0.001+/-0.000 χ^2/NDF: 11332428.2/34

All: 0.001+/-0.000 χ^2/NDF: 23474575.5/70

- sign 0.001+/-0.000 χ^2/NDF: 12142066.7/35



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.004+/-0.006 χ^2/NDF:14.1/18

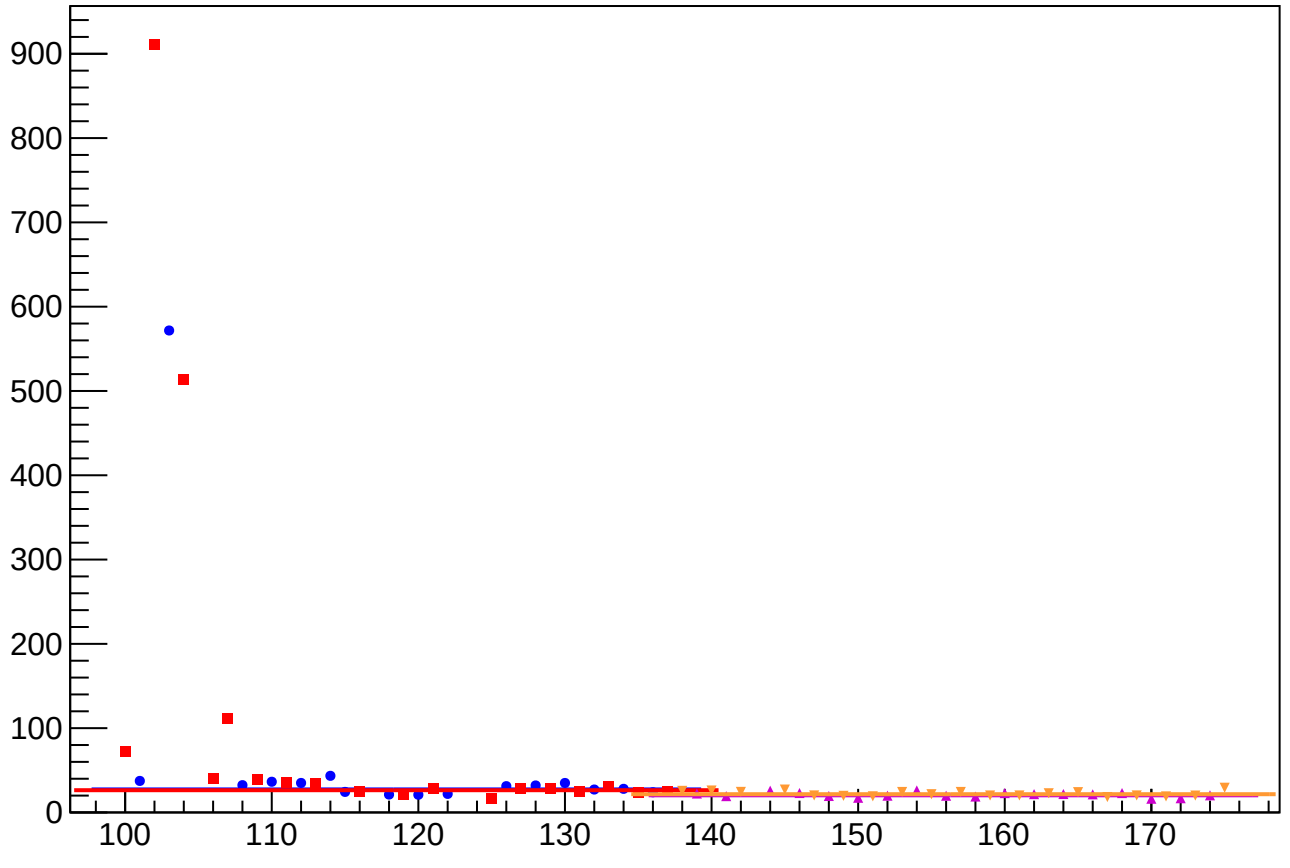
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.001+/-0.006 χ^2/NDF:14.5/17

+ sign -0.007+/-0.005 χ^2/NDF: 29.4/34

All: -0.003+/-0.004 χ^2/NDF: 54.8/70

- sign 0.000+/-0.005 χ^2/NDF: 24.4/35



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.652+/-0.004 χ^2/NDF:437088.7/18

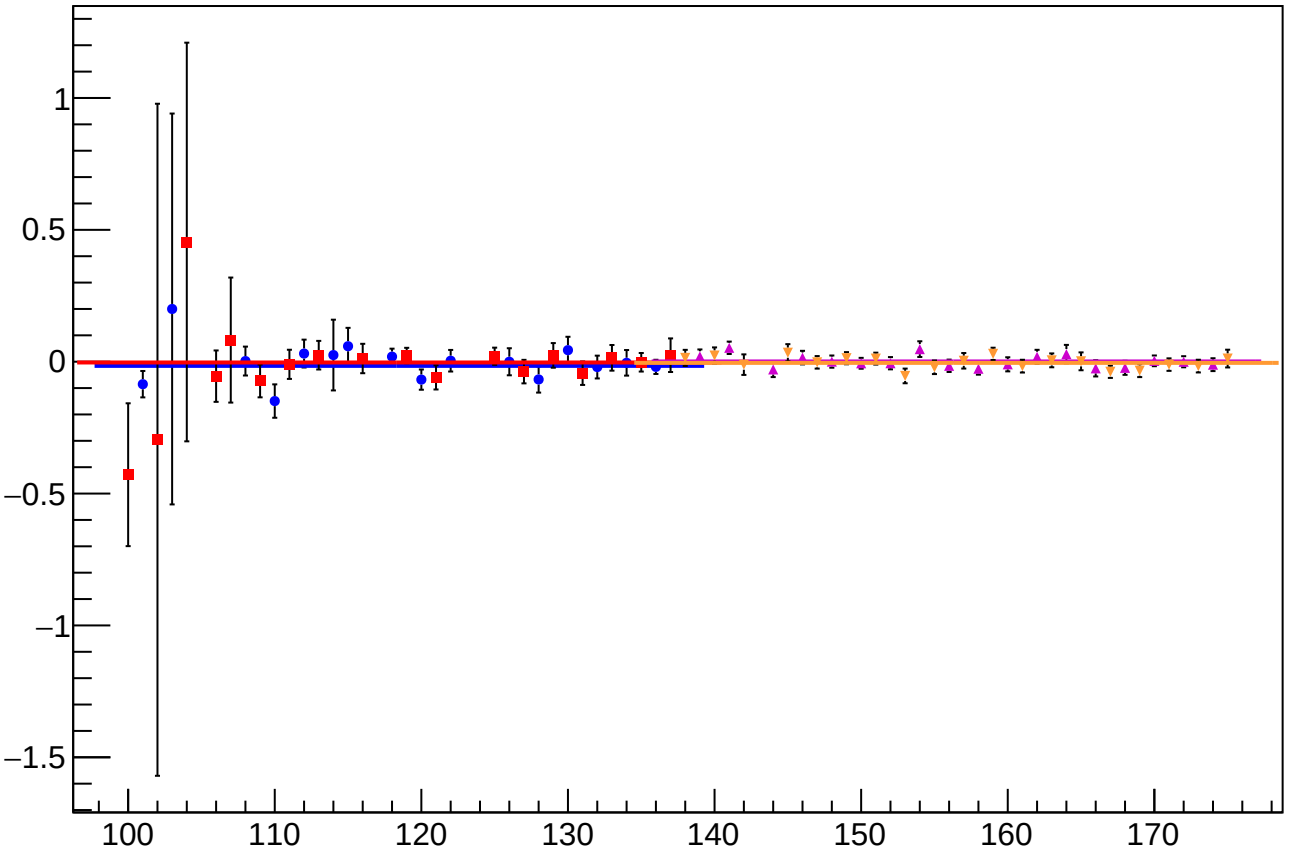
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.343+/-0.004 χ^2/NDF:421796.6/17

+ sign 22.877+/-0.004 χ^2/NDF: 2380053.6/34

All: 22.170+/-0.003 χ^2/NDF: 5894899.7/70

- sign 21.497+/-0.004 χ^2/NDF: 3447417.1/35



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.004+/-0.006 χ^2/NDF:14.1/18

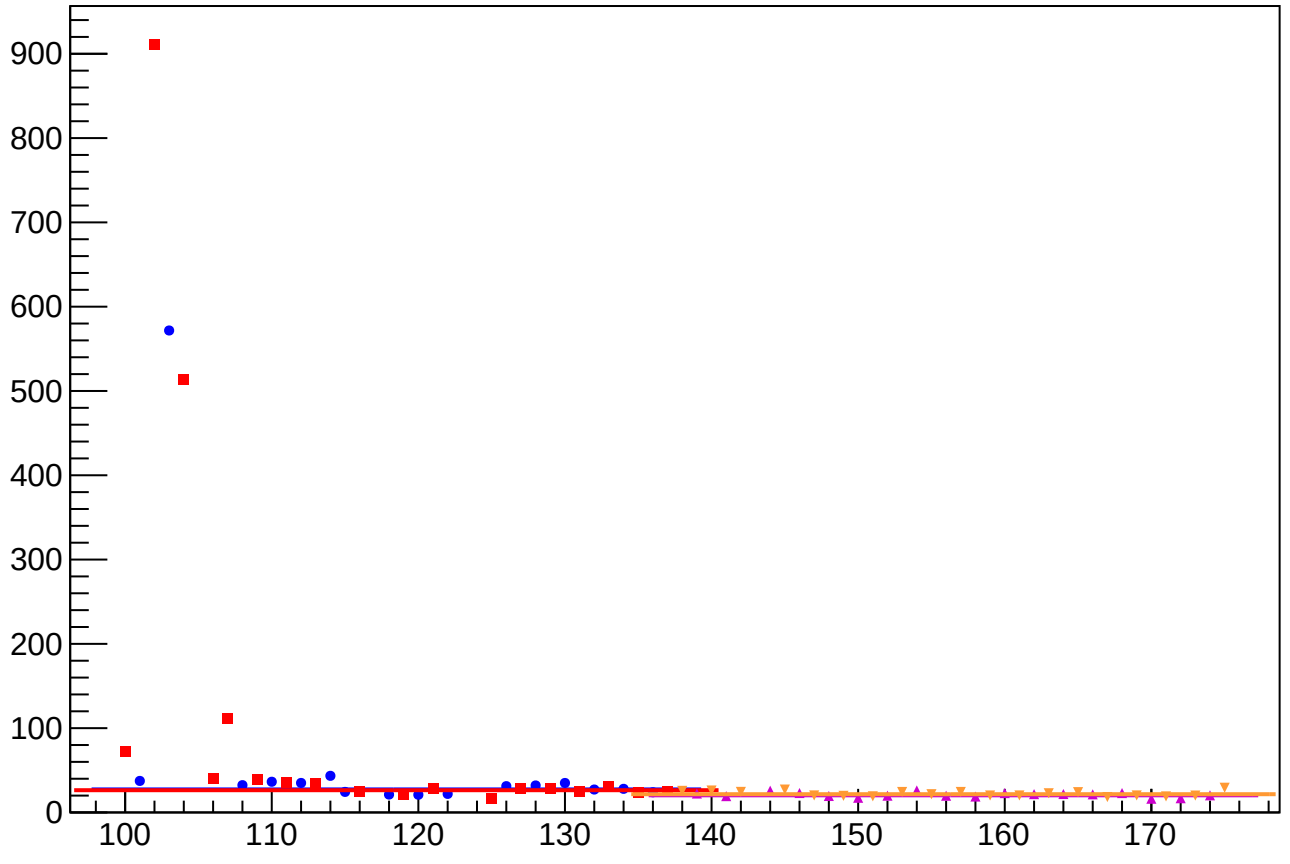
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.001+/-0.006 χ^2/NDF:14.5/17

+ sign -0.007+/-0.005 χ^2/NDF: 29.4/34

All: -0.003+/-0.004 χ^2/NDF: 54.8/70

- sign 0.000+/-0.005 χ^2/NDF: 24.4/35



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.652+/-0.004 χ^2/NDF:437088.7/18

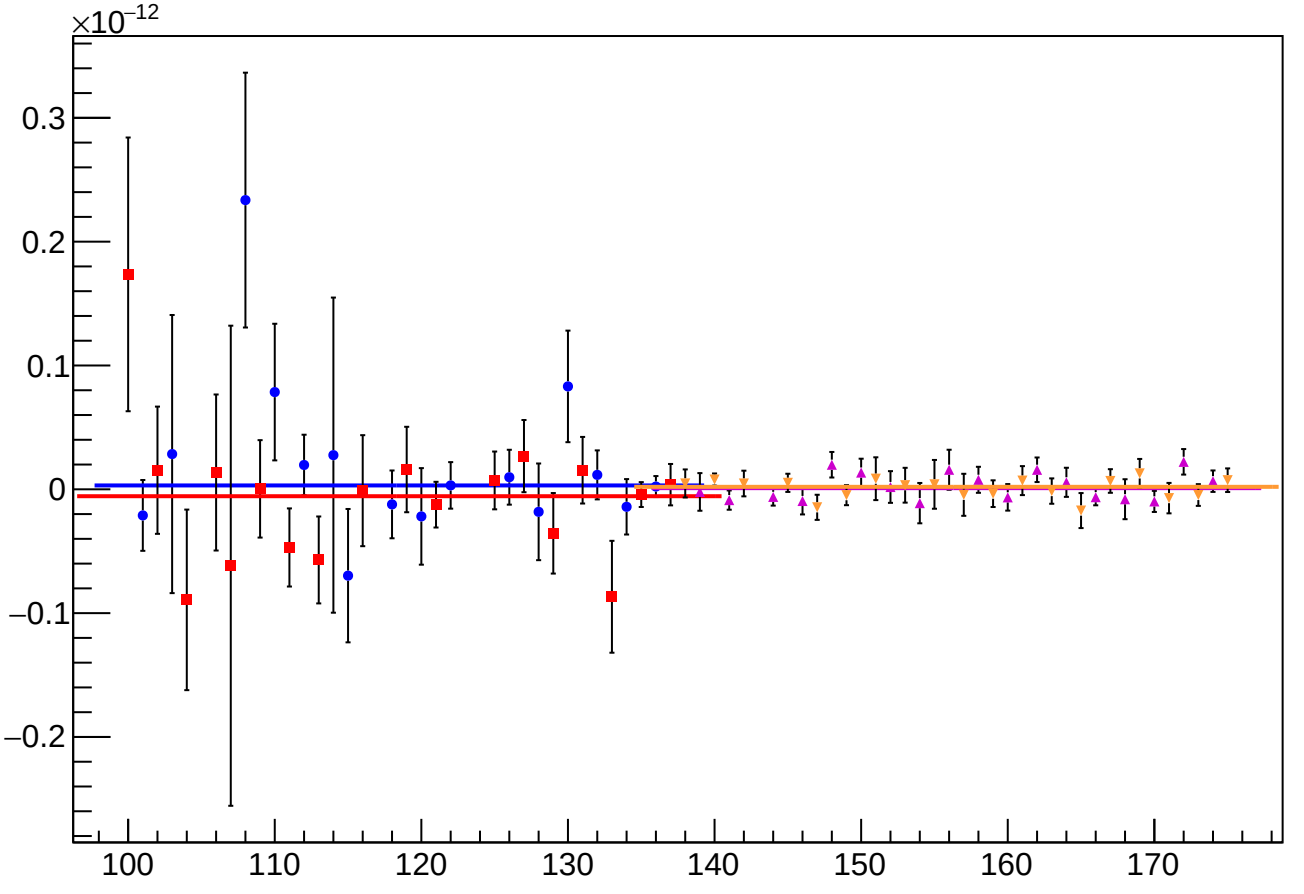
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.343+/-0.004 χ^2/NDF:421796.6/17

+ sign 22.877+/-0.004 χ^2/NDF: 2380053.6/34

All: 22.170+/-0.003 χ^2/NDF: 5894899.7/70

- sign 21.497+/-0.004 χ^2/NDF: 3447417.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/18

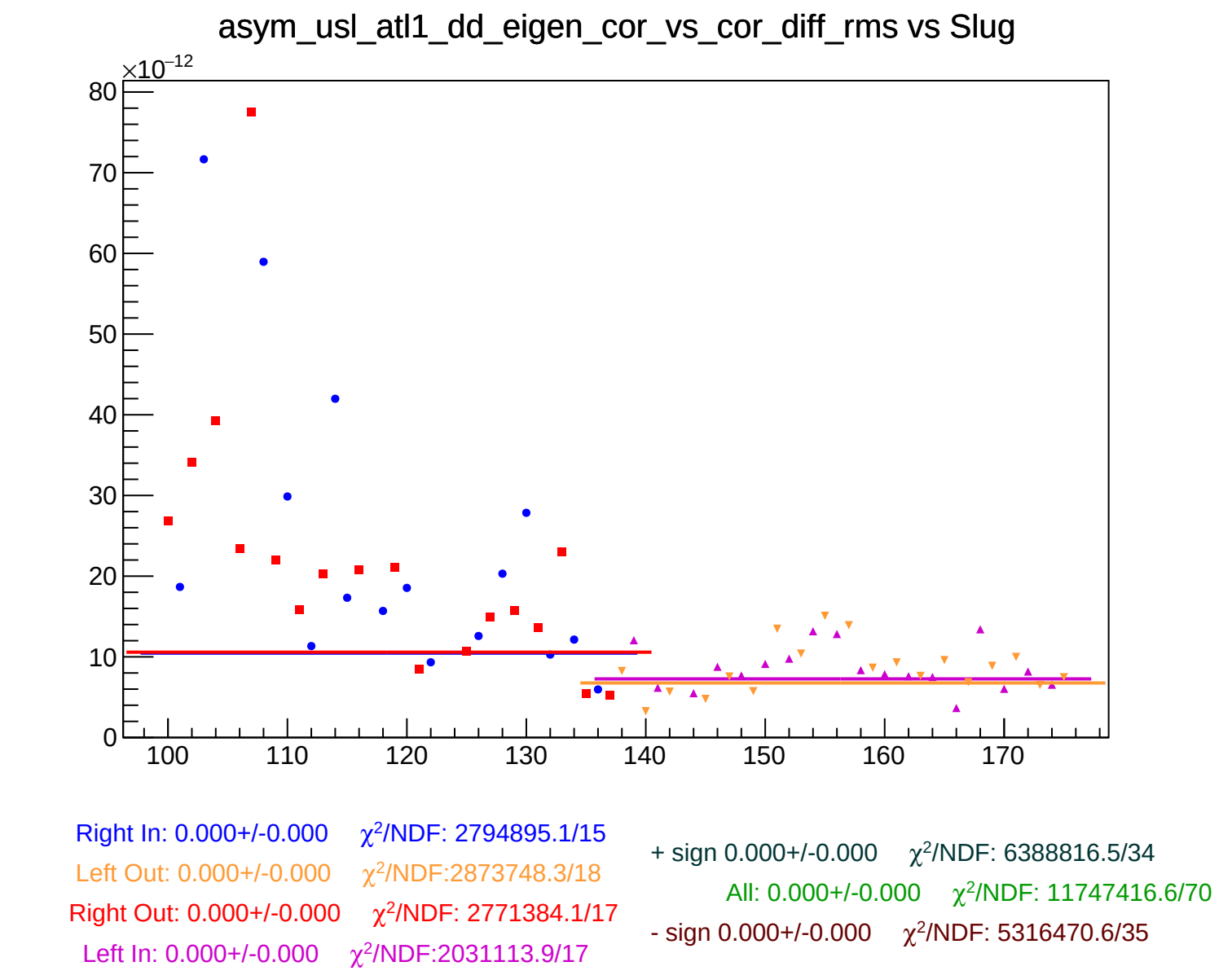
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:20.6/17

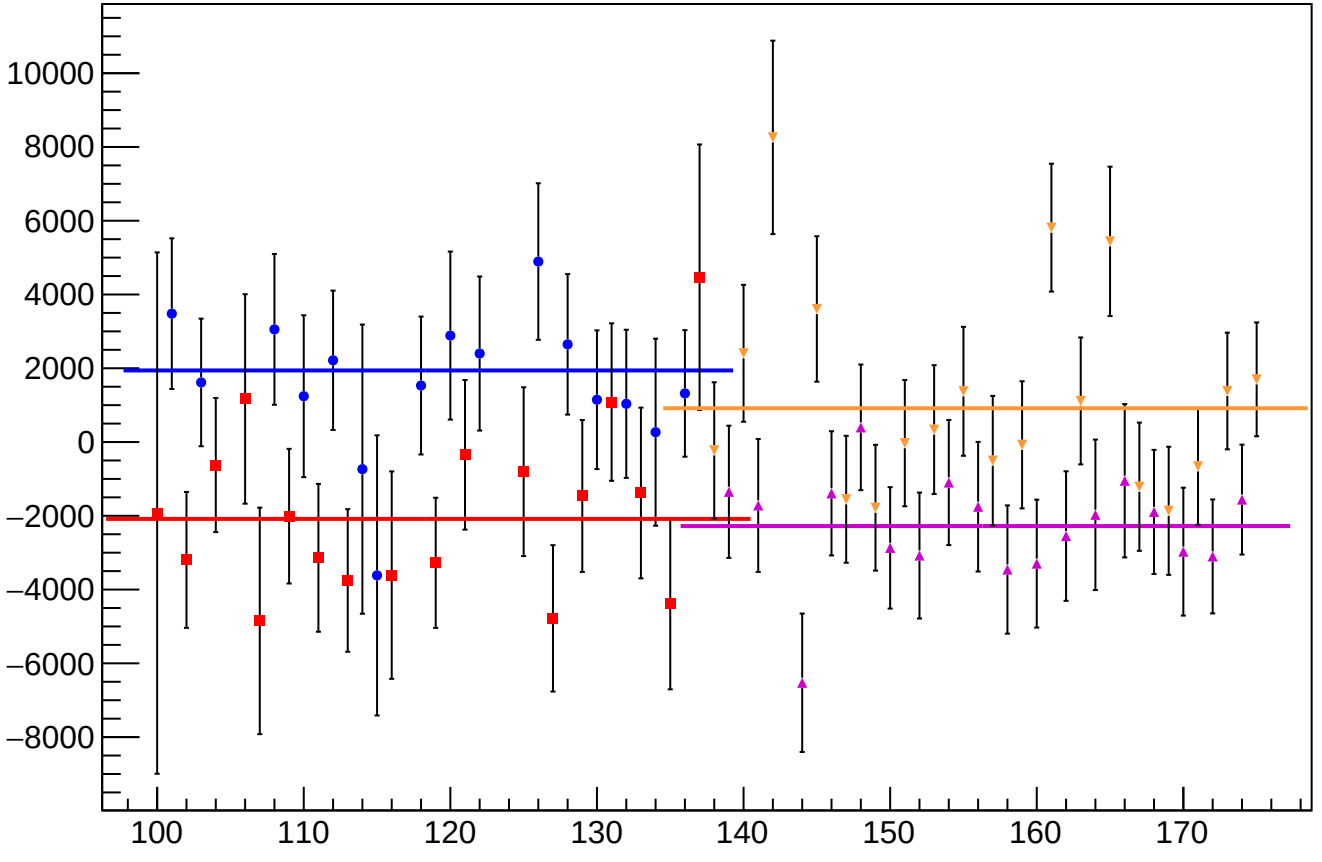
+ sign 0.000+/-0.000 χ^2/NDF: 25.4/34

All: 0.000+/-0.000 χ^2/NDF: 62.7/70

- sign 0.000+/-0.000 χ^2/NDF: 36.8/35


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2873748.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:2031113.9/17
+ sign 0.000+/-0.000 χ²/NDF: 6388816.5/34
All: 0.000+/-0.000 χ²/NDF: 11747416.6/70
- sign 0.000+/-0.000 χ²/NDF: 5316470.6/35

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 916.287+/-404.198 χ^2/NDF:35.1/18

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

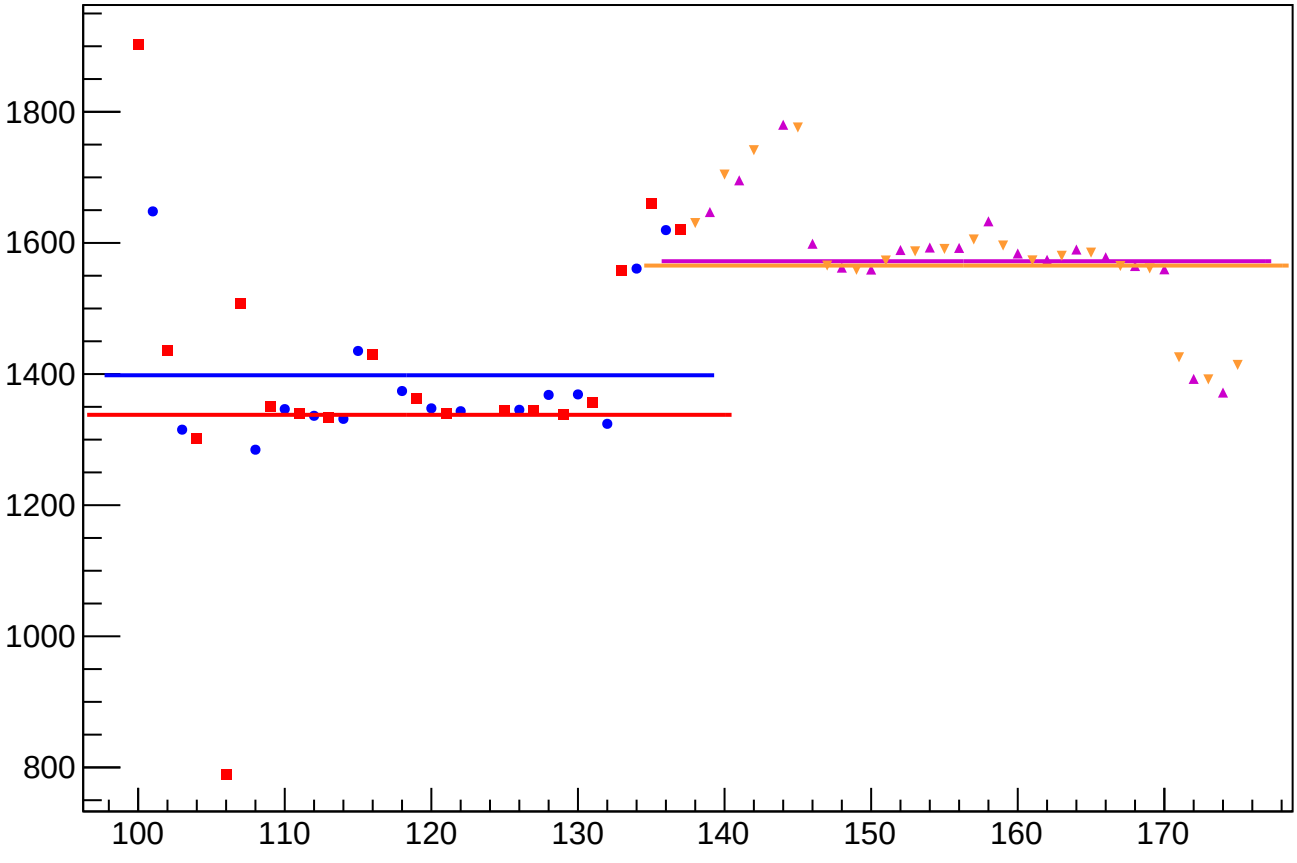
Left In: -2277.911+/-408.270 χ^2/NDF:11.1/17

+ sign 1300.217+/-319.628 χ^2/NDF: 44.5/34

All: -444.201+/-226.503 χ^2/NDF: 130.0/70

- sign -2203.870+/-321.022 χ^2/NDF: 25.6/35

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1565.479+/-0.286 χ^2/NDF:107333.5/18

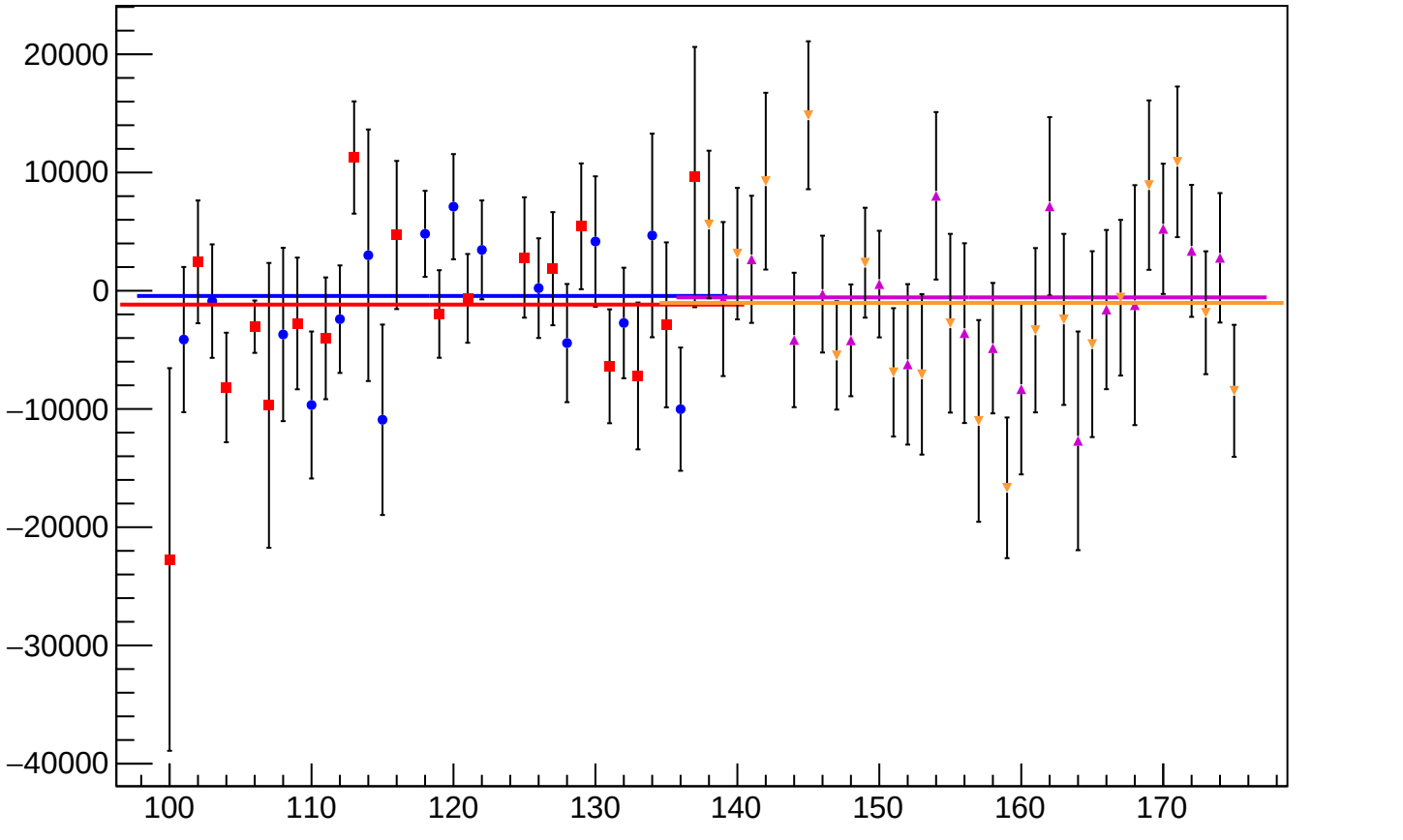
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1572.113+/-0.289 χ^2/NDF:104967.6/17

+ sign 1502.788+/-0.226 χ^2/NDF: 329663.4/34

All: 1490.867+/-0.159 χ^2/NDF: 1019299.2/70

- sign 1479.135+/-0.224 χ^2/NDF: 684115.4/35



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -1031.908+/-1410.250 χ^2/NDF:29.4/18

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

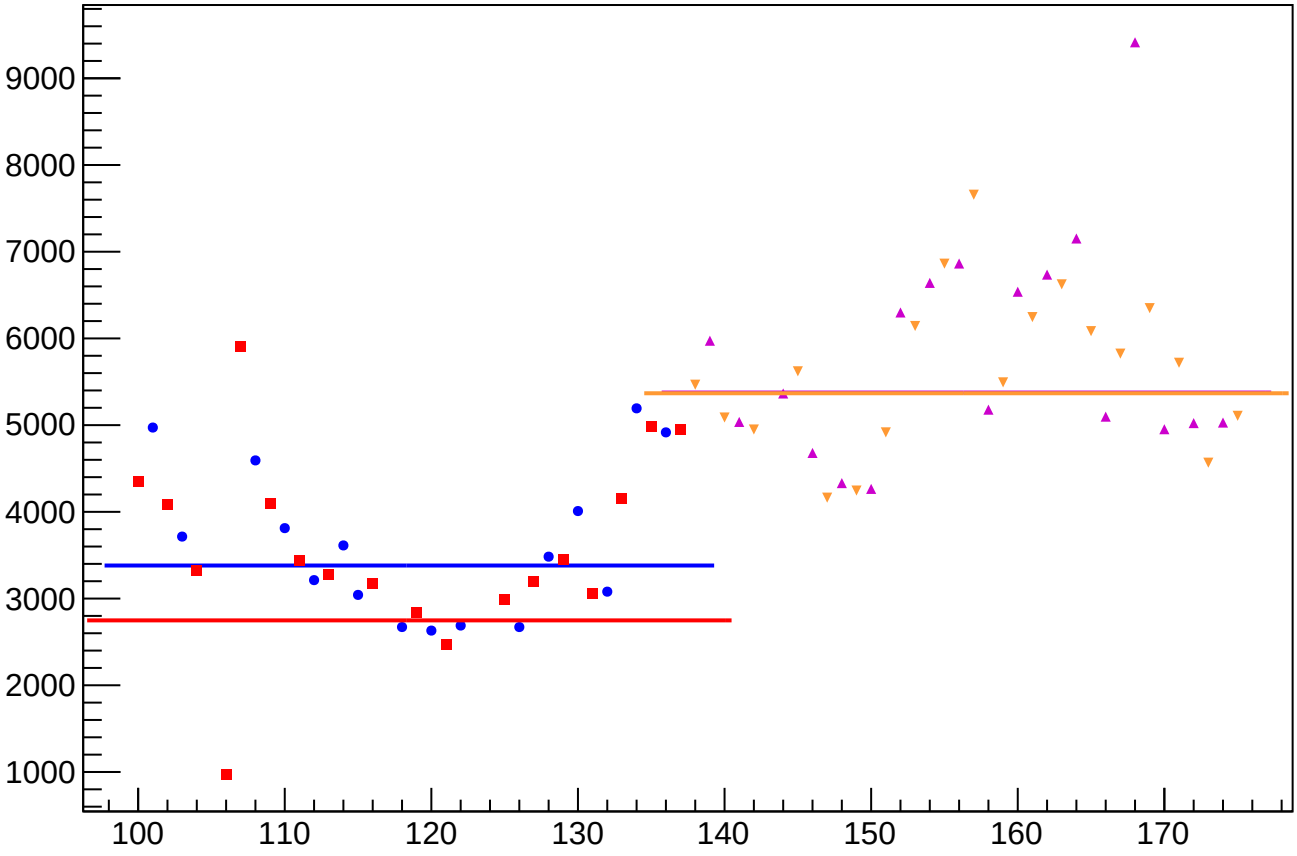
Left In: -561.936+/-1422.136 χ^2/NDF:10.3/17

+ sign -711.608+/-954.215 χ^2/NDF: 45.4/34

All: -834.086+/-646.838 χ^2/NDF: 75.5/70

- sign -938.215+/-879.839 χ^2/NDF: 30.1/35

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5367.608+/-0.997 χ^2/NDF:746686.8/18

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

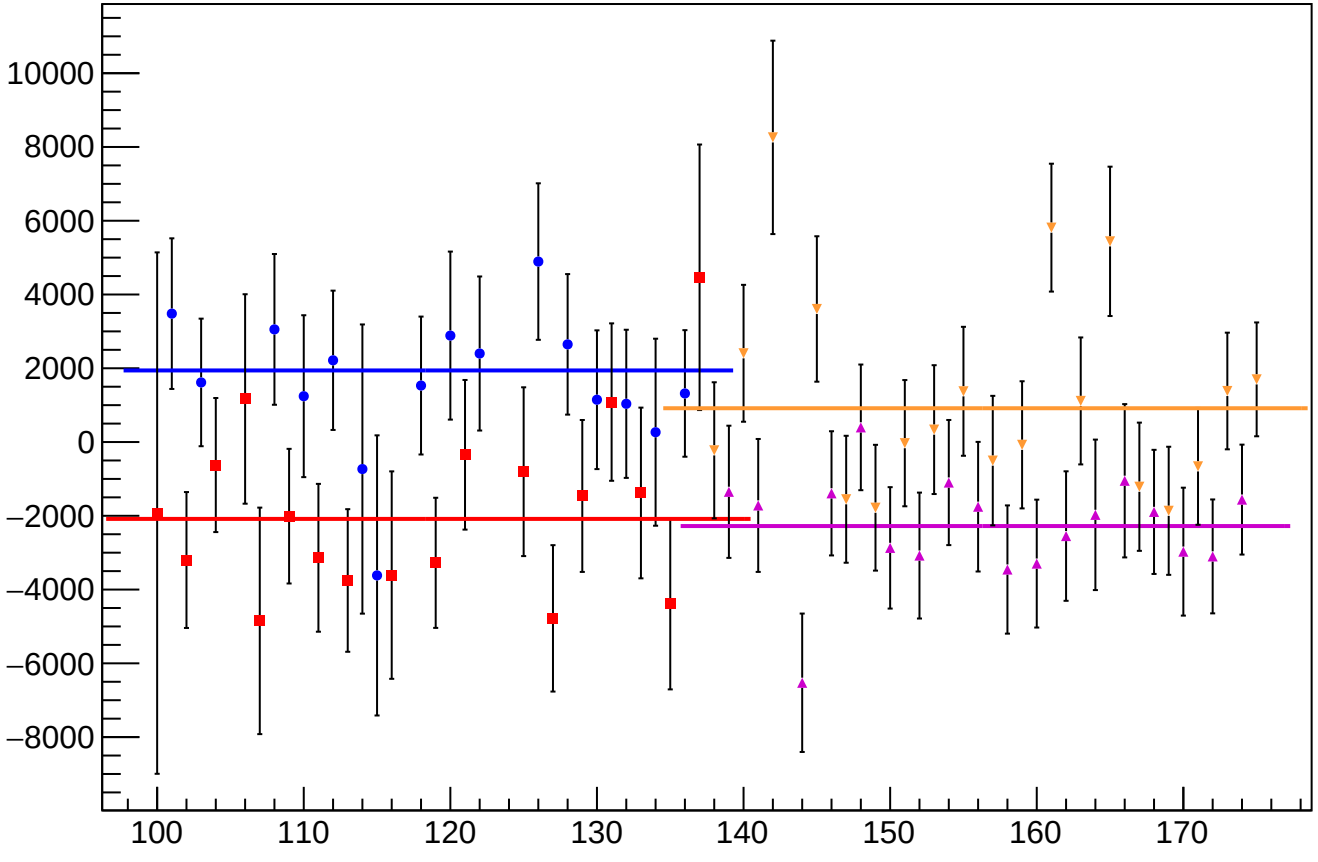
Left In: 5376.009+/-1.006 χ^2/NDF:1002385.1/17

+ sign 4290.584+/-0.675 χ^2/NDF: 3655373.6/34

All: 4000.632+/-0.457 χ^2/NDF: 11478373.9/7

- sign 3754.120+/-0.622 χ^2/NDF: 7481333.1/35

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 916.318+/-404.198 χ^2/NDF:35.1/18

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

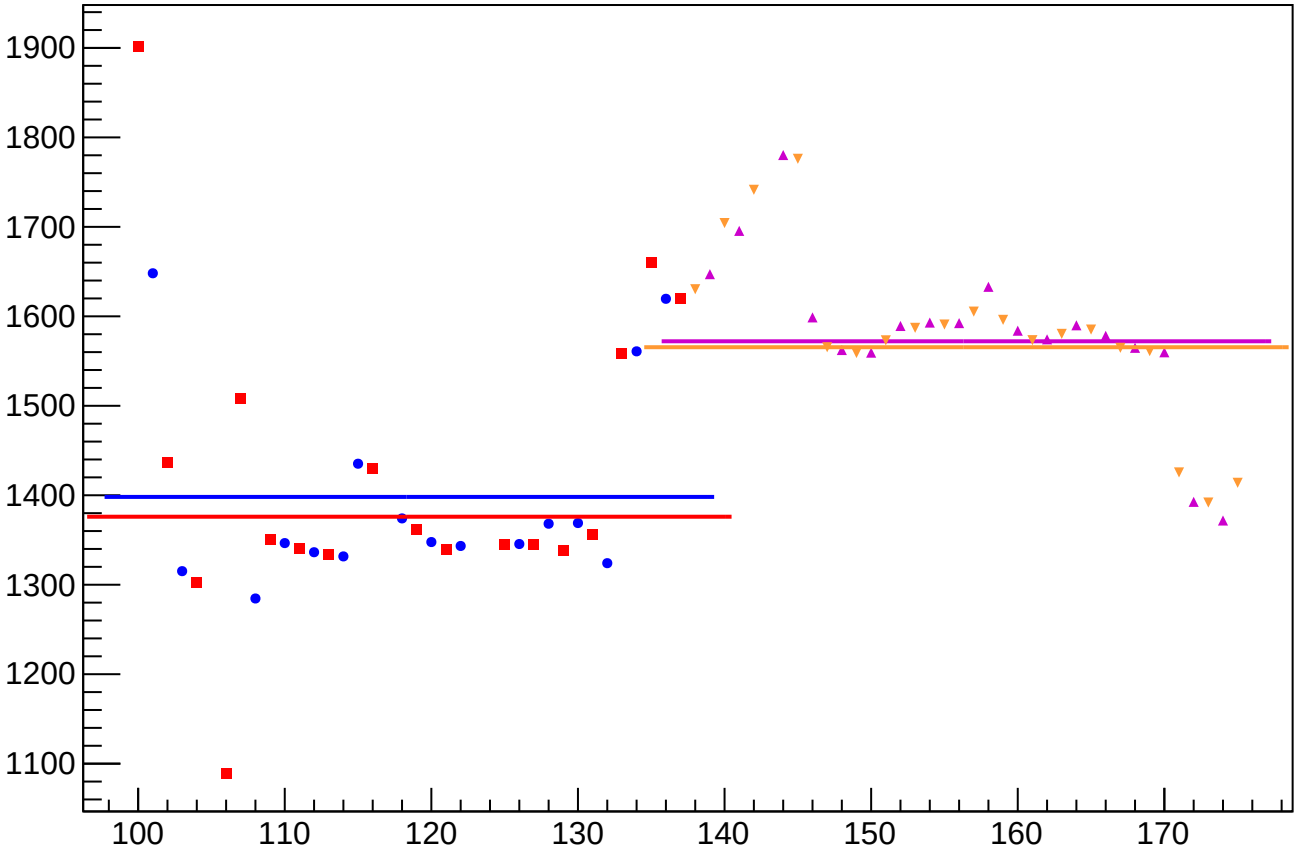
Left In: -2277.966+/-408.270 χ^2/NDF:11.1/17

+ sign 1300.257+/-319.628 χ^2/NDF: 44.5/34

All: -444.235+/-226.503 χ^2/NDF: 130.0/70

- sign -2203.986+/-321.023 χ^2/NDF: 25.7/35

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1565.479+/-0.286 χ^2/NDF:107333.5/18

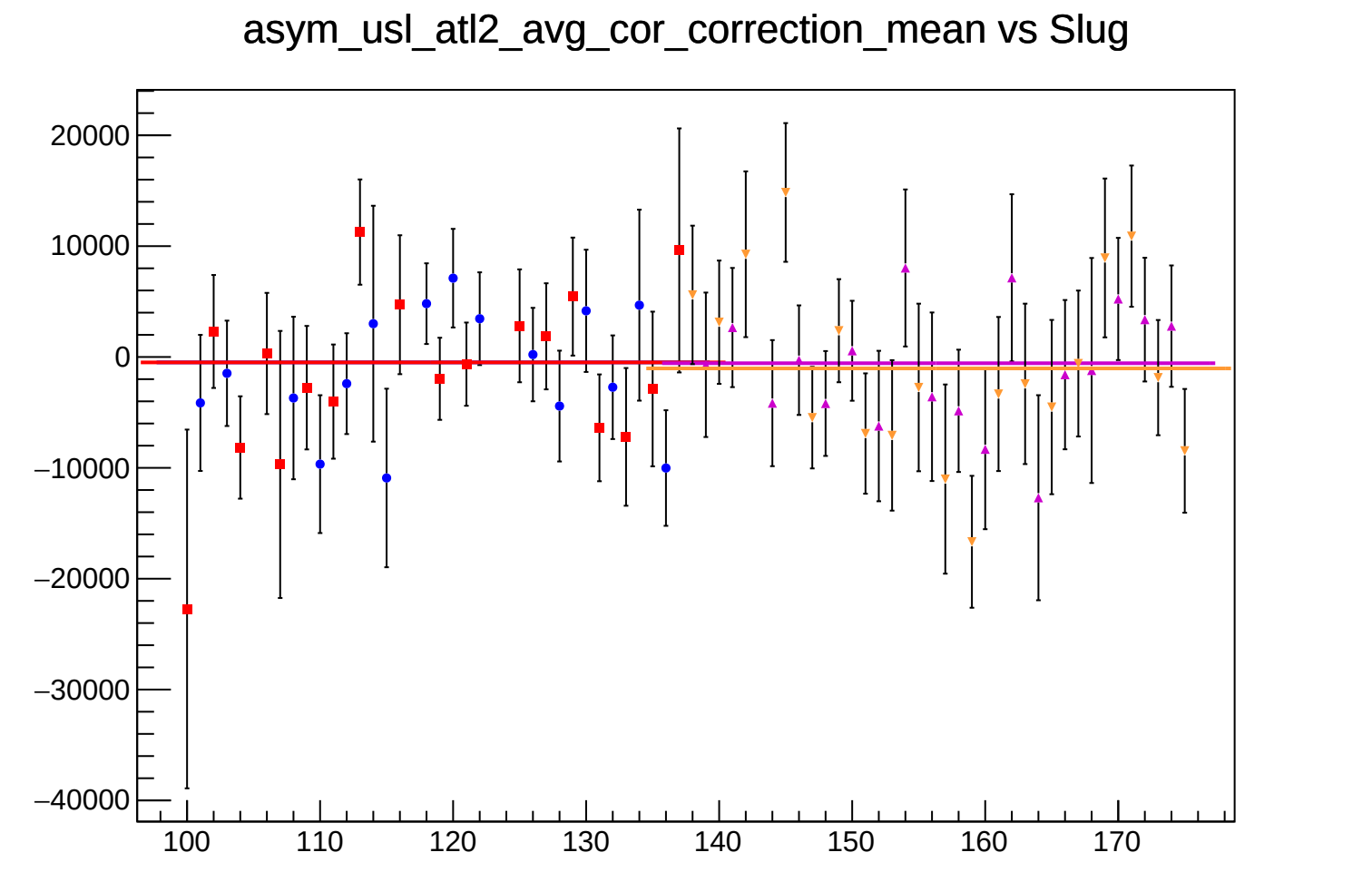
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1572.113+/-0.289 χ^2/NDF:104967.6/17

\+ sign 1502.788+/-0.226 χ^2/NDF: 329663.6/34

All: 1499.400+/-0.160 χ^2/NDF: 728158.9/70

\- sign 1496.017+/-0.226 χ^2/NDF: 398046.1/35



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1031.929+/-1410.251 χ^2/NDF:29.4/18

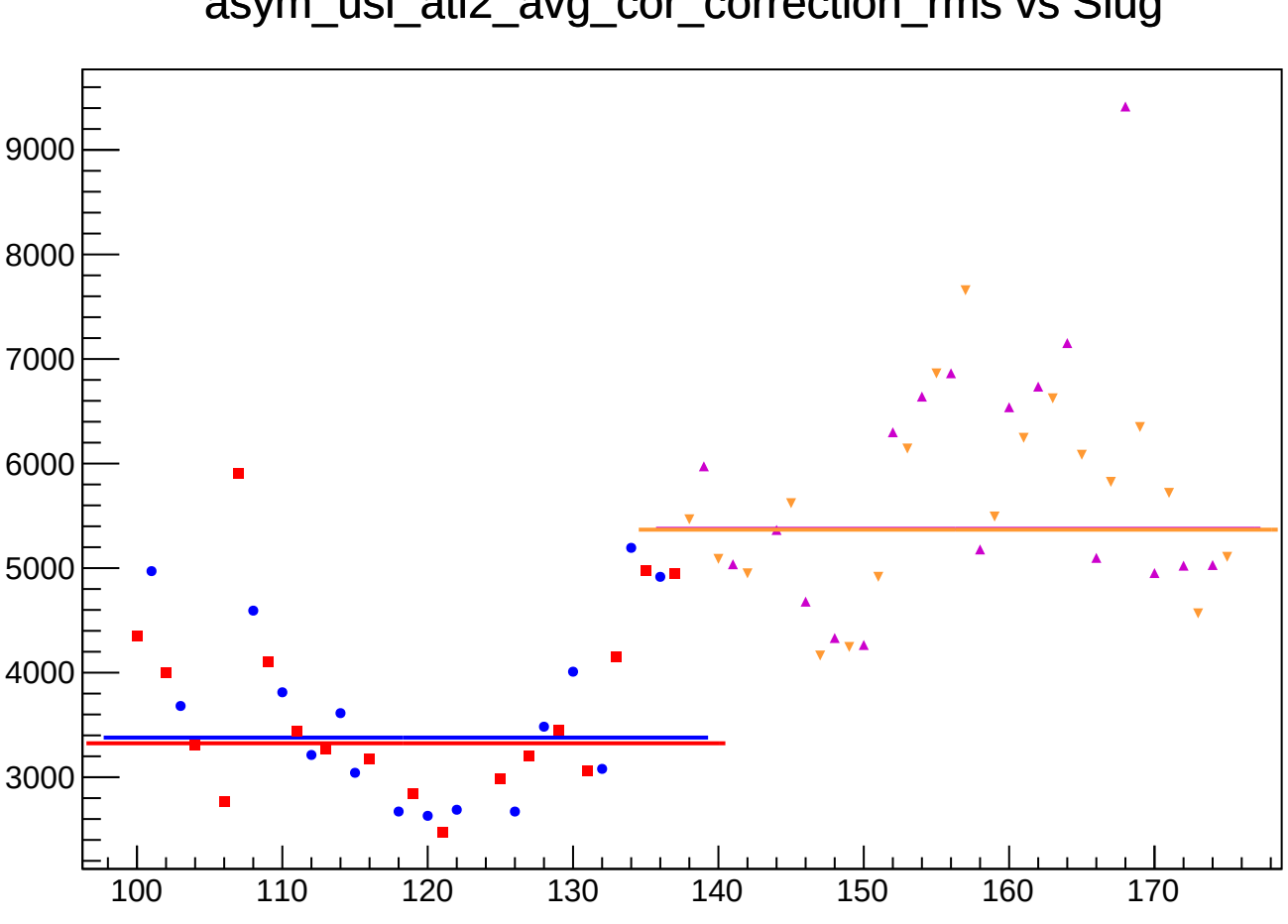
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -562.007+/-1422.136 χ^2/NDF:10.3/17

+ sign -736.039+/-953.822 χ^2/NDF: 45.4/34

All: -627.324+/-670.826 χ^2/NDF: 74.4/70

- sign -520.916+/-943.642 χ^2/NDF: 29.0/35



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5367.611+/-0.997 χ^2/NDF:746681.1/18

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

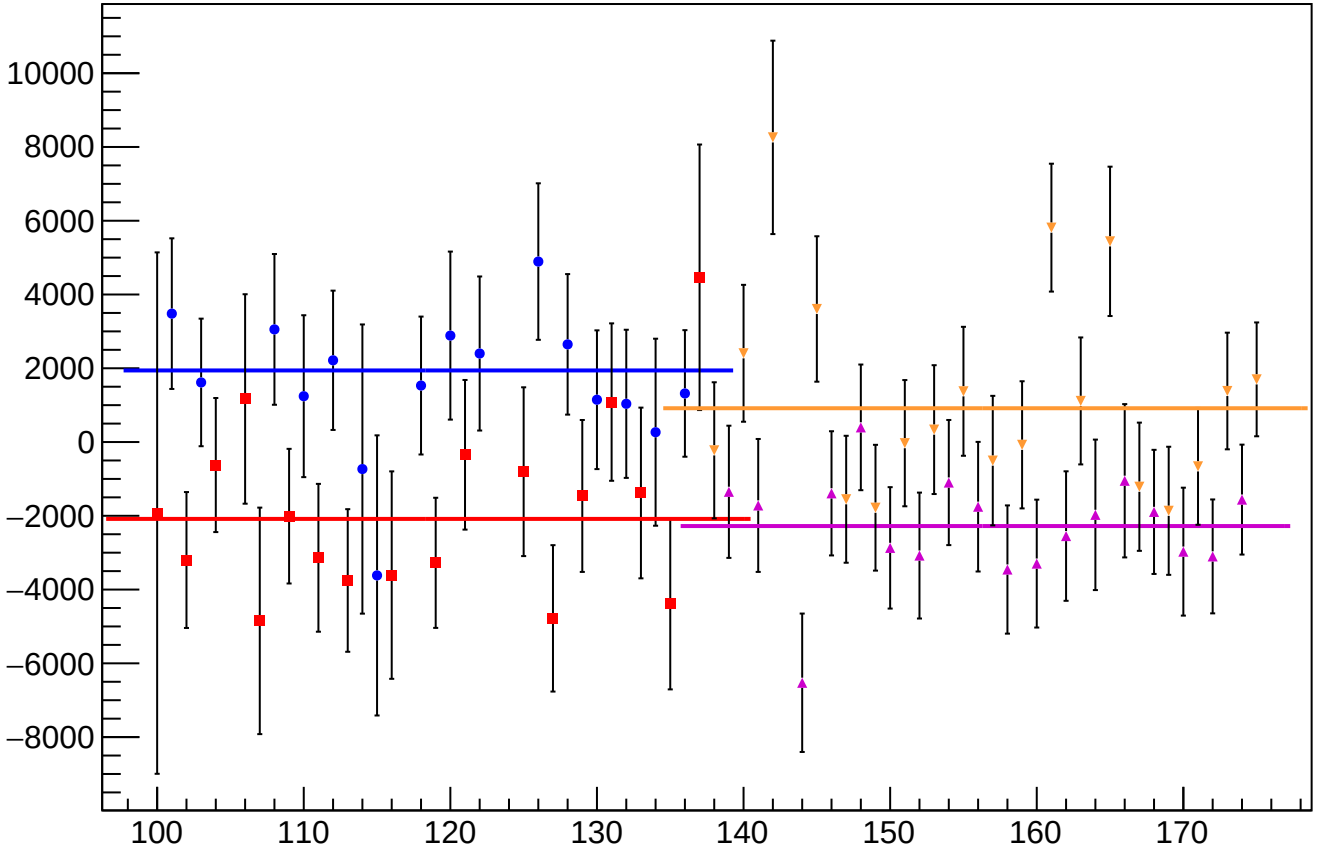
Left In: 5376.005+/-1.006 χ^2/NDF:1002394.3/17

+ sign 4288.746+/-0.674 χ^2/NDF: 3659419.7/34

All: 4257.904+/-0.474 χ^2/NDF: 7539370.8/70

- sign 4227.717+/-0.667 χ^2/NDF: 3875813.3/35

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 916.318+/-404.198 χ^2/NDF:35.1/18

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

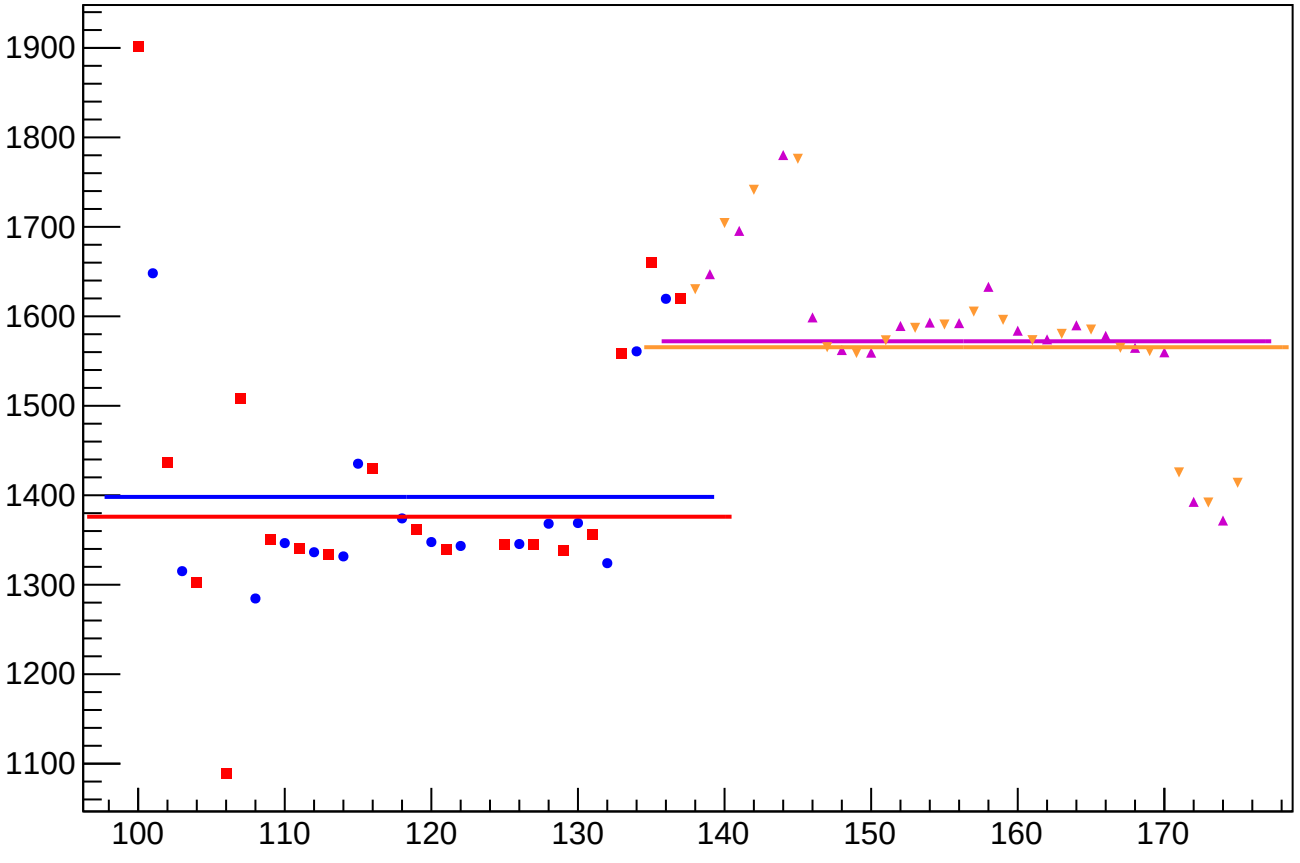
Left In: -2277.966+/-408.270 χ^2/NDF:11.1/17

+ sign 1300.257+/-319.628 χ^2/NDF: 44.5/34

All: -444.235+/-226.503 χ^2/NDF: 130.0/70

- sign -2203.986+/-321.023 χ^2/NDF: 25.7/35

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1565.479+/-0.286 χ^2/NDF:107333.5/18

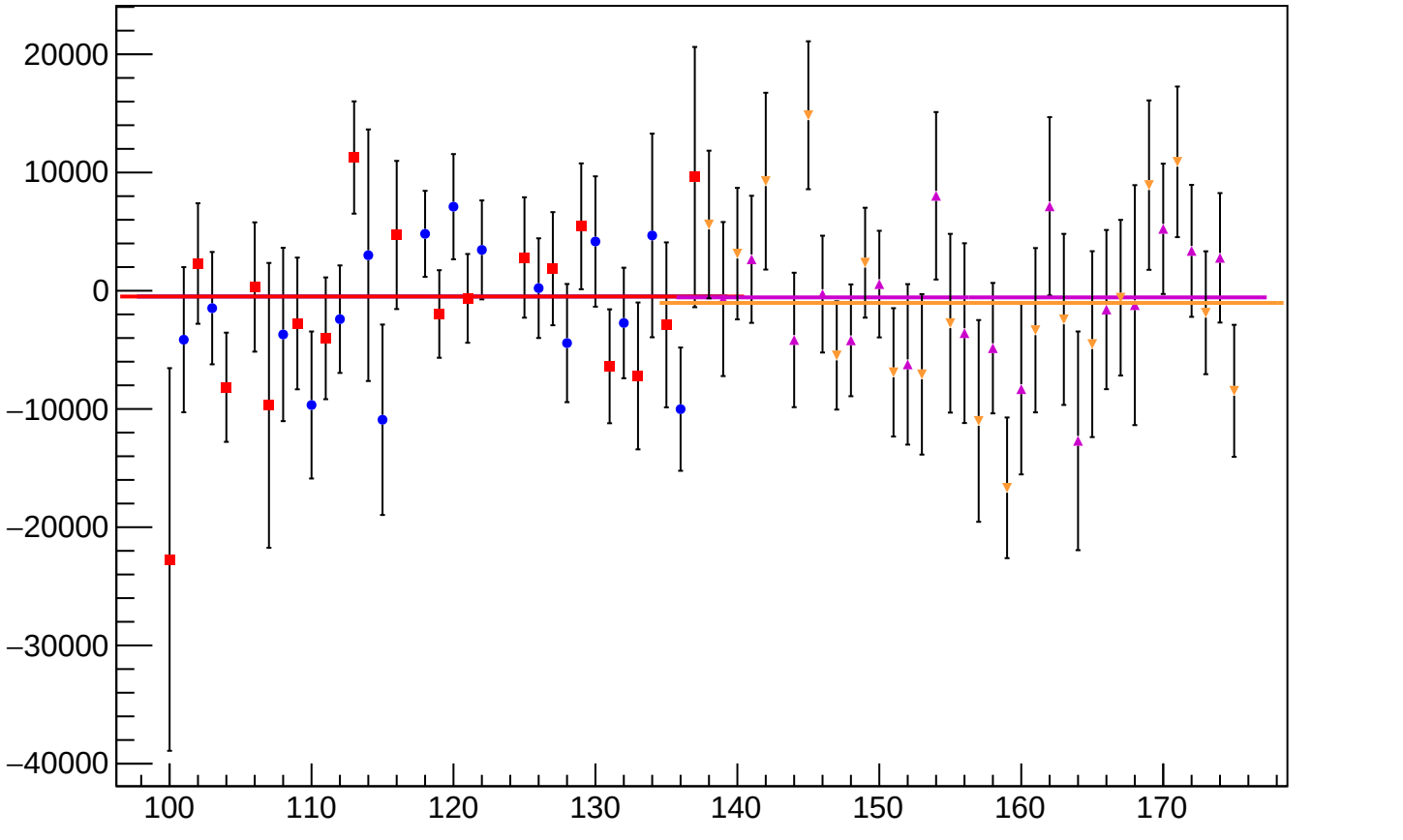
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1572.113+/-0.289 χ^2/NDF:104967.6/17

+ sign 1502.788+/-0.226 χ^2/NDF: 329663.6/34

All: 1499.400+/-0.160 χ^2/NDF: 728158.9/70

- sign 1496.017+/-0.226 χ^2/NDF: 398046.1/35



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1031.929+/-1410.251 χ^2/NDF:29.4/18

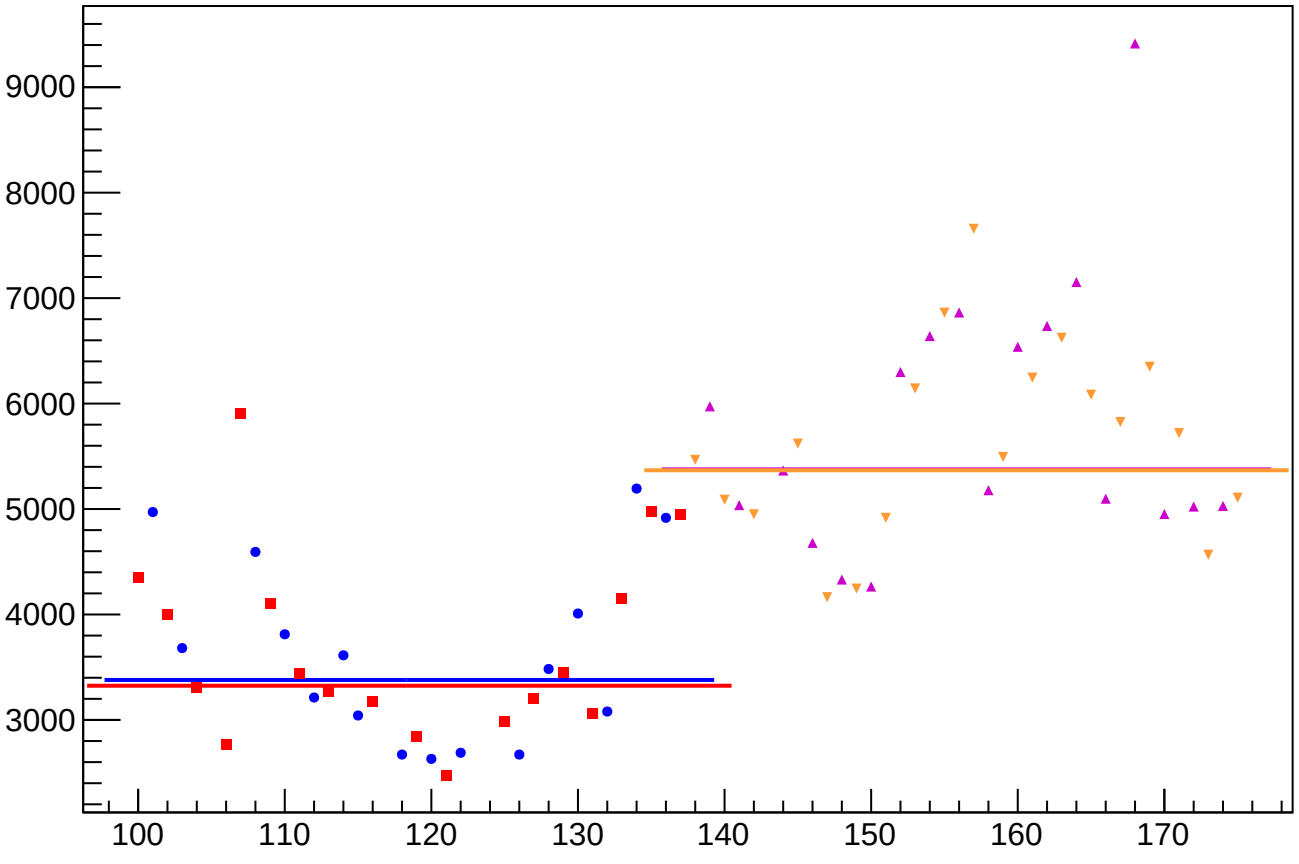
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -562.007+/-1422.136 χ^2/NDF:10.3/17

+ sign -736.039+/-953.822 χ^2/NDF: 45.4/34

All: -627.324+/-670.826 χ^2/NDF: 74.4/70

- sign -520.916+/-943.642 χ^2/NDF: 29.0/35



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5367.611+/-0.997 χ^2/NDF:746681.1/18

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

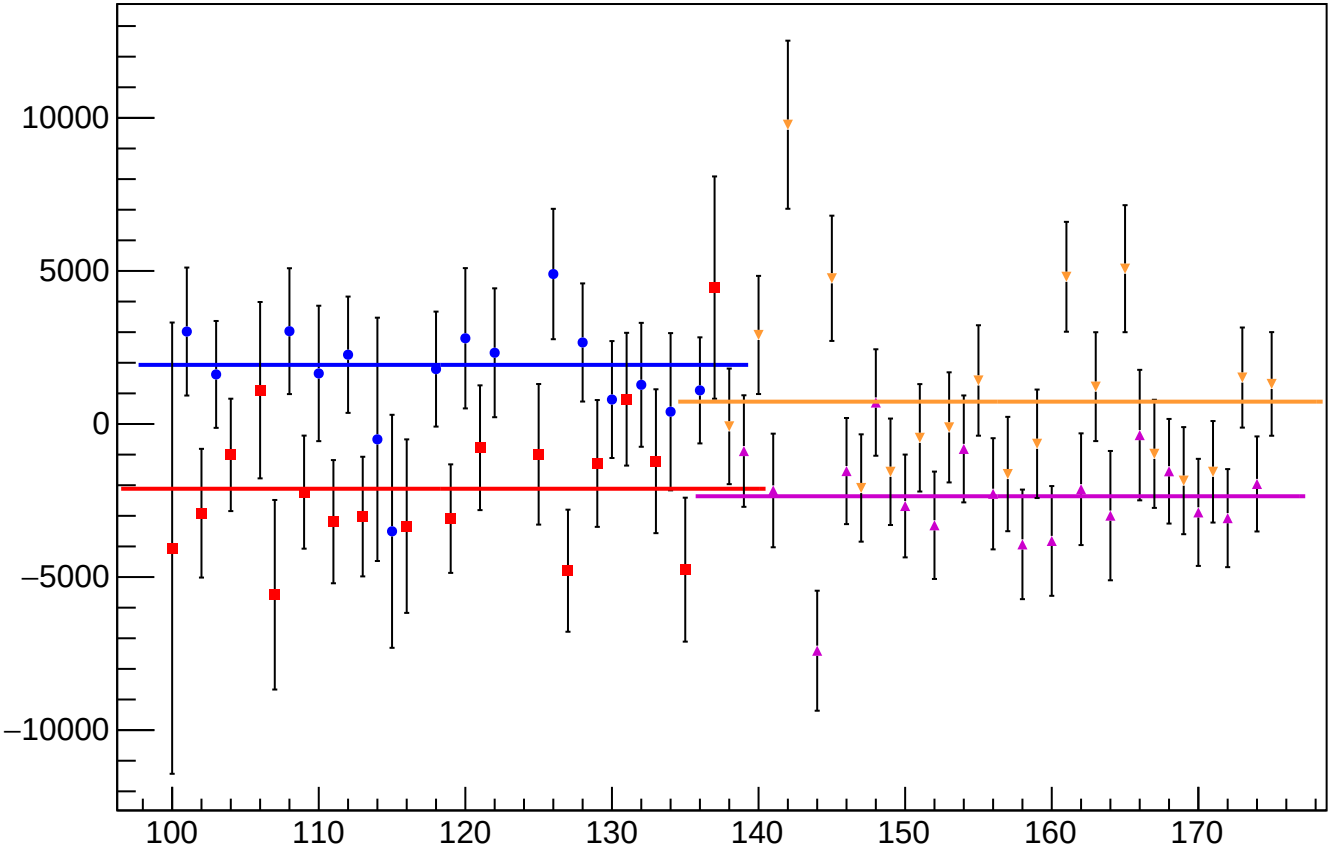
Left In: 5376.005+/-1.006 χ^2/NDF:1002394.3/17

+ sign 4288.746+/-0.674 χ^2/NDF: 3659419.7/34

All: 4257.904+/-0.474 χ^2/NDF: 7539370.8/70

- sign 4227.717+/-0.667 χ^2/NDF: 3875813.3/35

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 730.229+/-418.270 χ^2/NDF:38.5/18

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

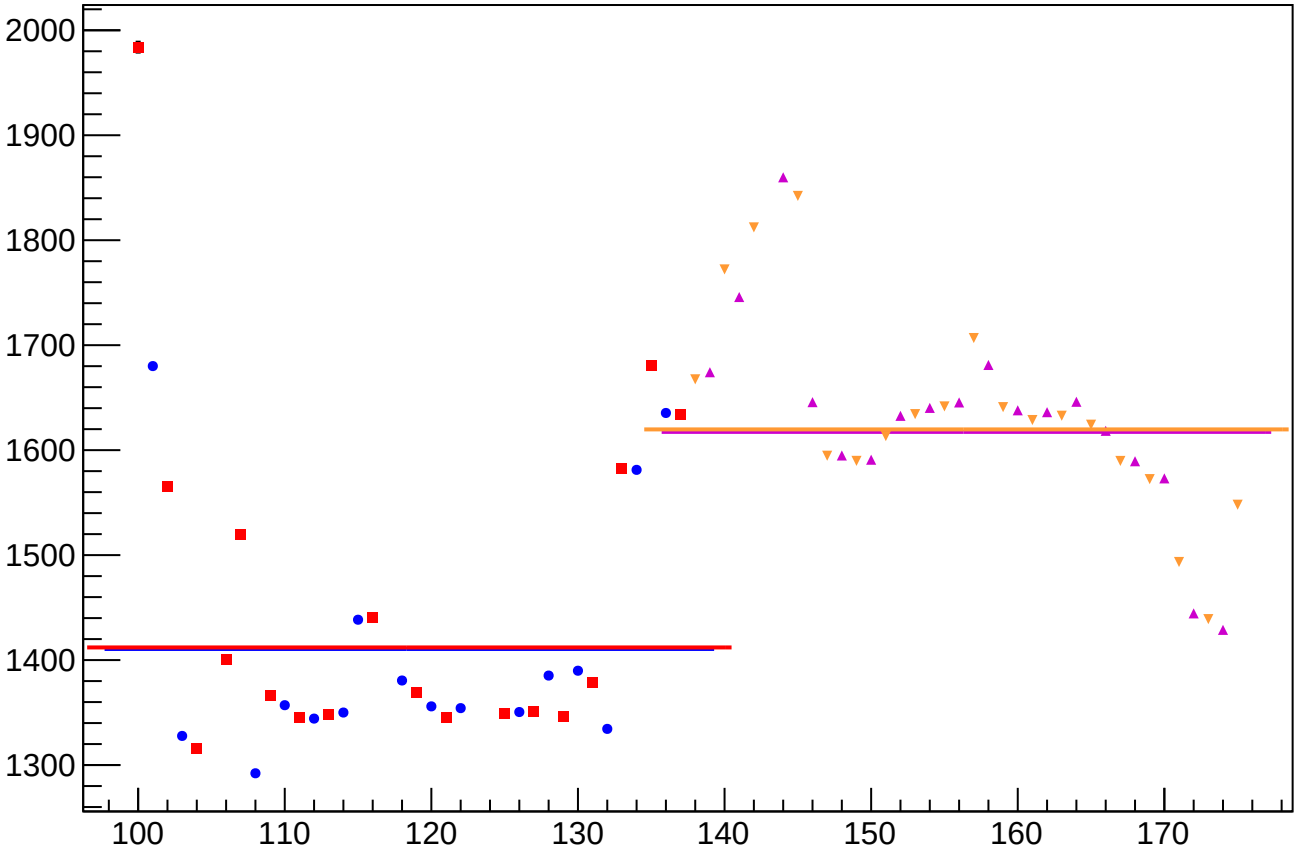
Left In: -2360.147+/-420.047 χ^2/NDF:14.7/17

+ sign 1194.360+/-327.654 χ^2/NDF: 48.1/34

All: -528.902+/-232.128 χ^2/NDF: 131.7/70

- sign -2265.383+/-328.908 χ^2/NDF: 28.1/35

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1619.758+/-0.296 χ^2/NDF:95146.3/18

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

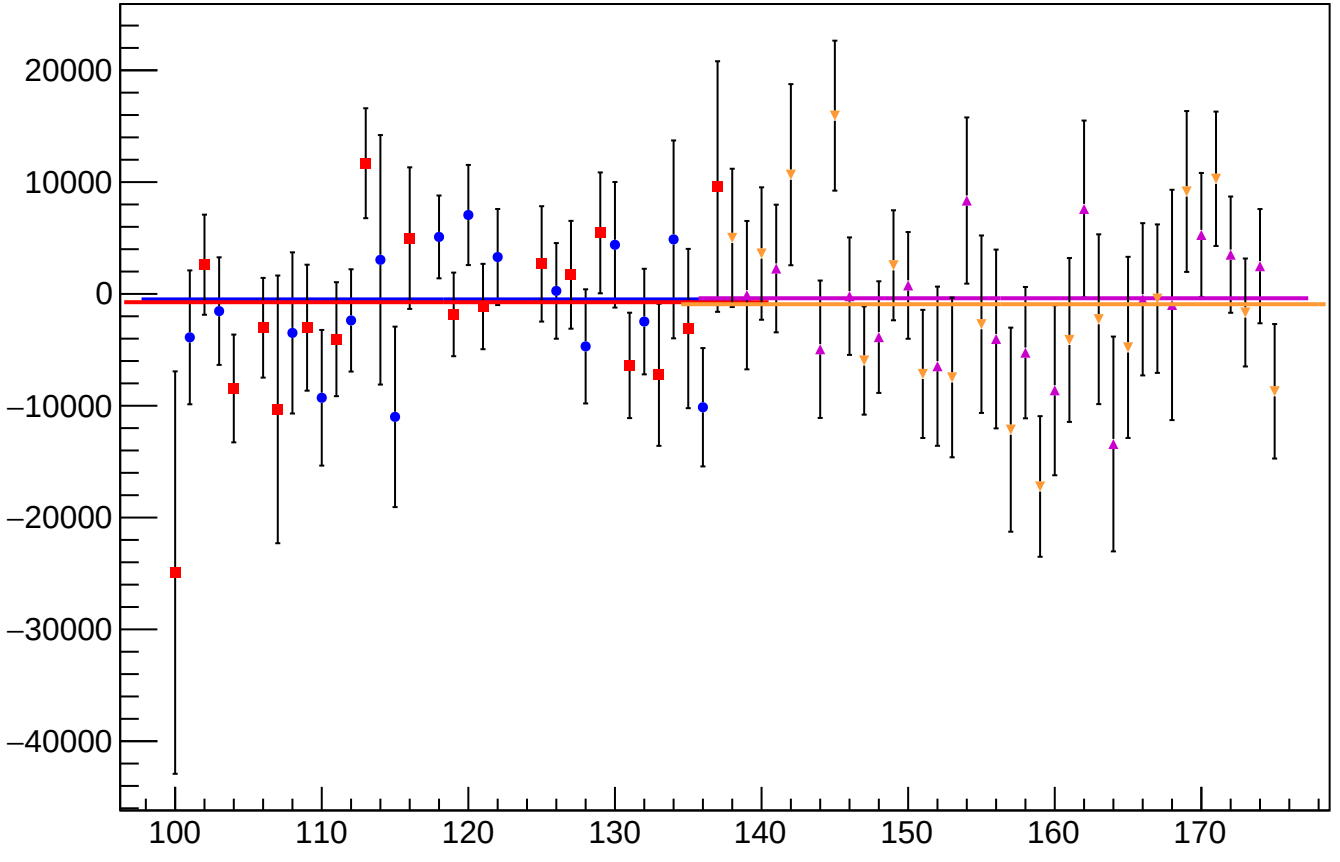
Left In: 1617.410+/-0.297 χ^2/NDF:102499.4/17

+ sign 1538.947+/-0.232 χ^2/NDF: 387525.0/34

All: 1538.326+/-0.164 χ^2/NDF: 765292.4/70

- sign 1537.702+/-0.232 χ^2/NDF: 377753.0/35

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -921.314+/-1457.315 χ^2/NDF:29.4/18

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

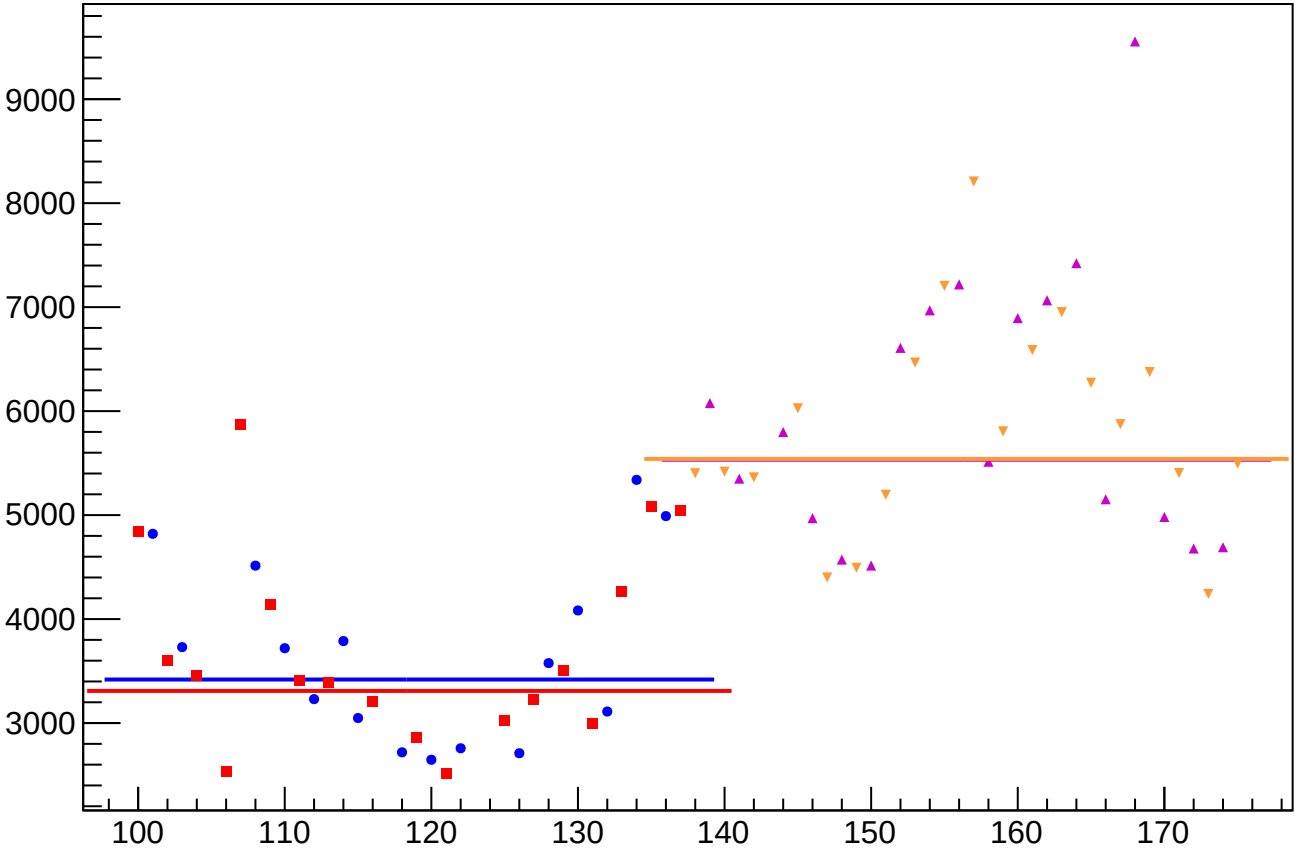
Left In: -386.499+/-1465.447 χ^2/NDF:10.3/17

+ sign -682.217+/-973.703 χ^2/NDF: 45.3/34

All: -635.874+/-680.020 χ^2/NDF: 74.8/70

- sign -591.748+/-950.118 χ^2/NDF: 29.5/35

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5540.438+/-1.030 χ^2/NDF:822422.9/18

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

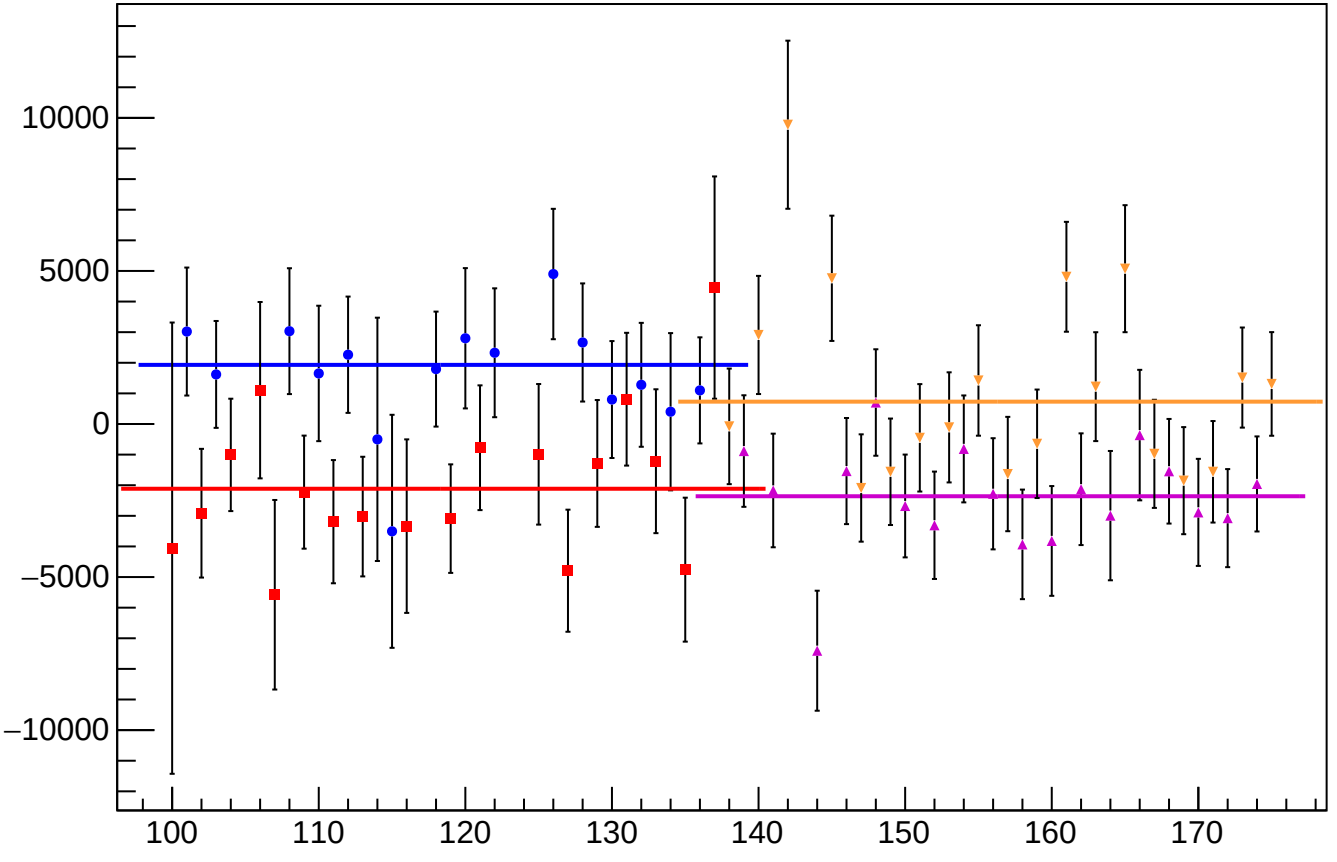
Left In: 5532.286+/-1.036 χ^2/NDF:1072805.7/17

+ sign 4365.892+/-0.689 χ^2/NDF: 3890485.3/34

All: 4303.263+/-0.481 χ^2/NDF: 8219466.1/70

- sign 4243.632+/-0.672 χ^2/NDF: 4312828.4/35

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 730.224+/-418.270 χ^2/NDF:38.5/18

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

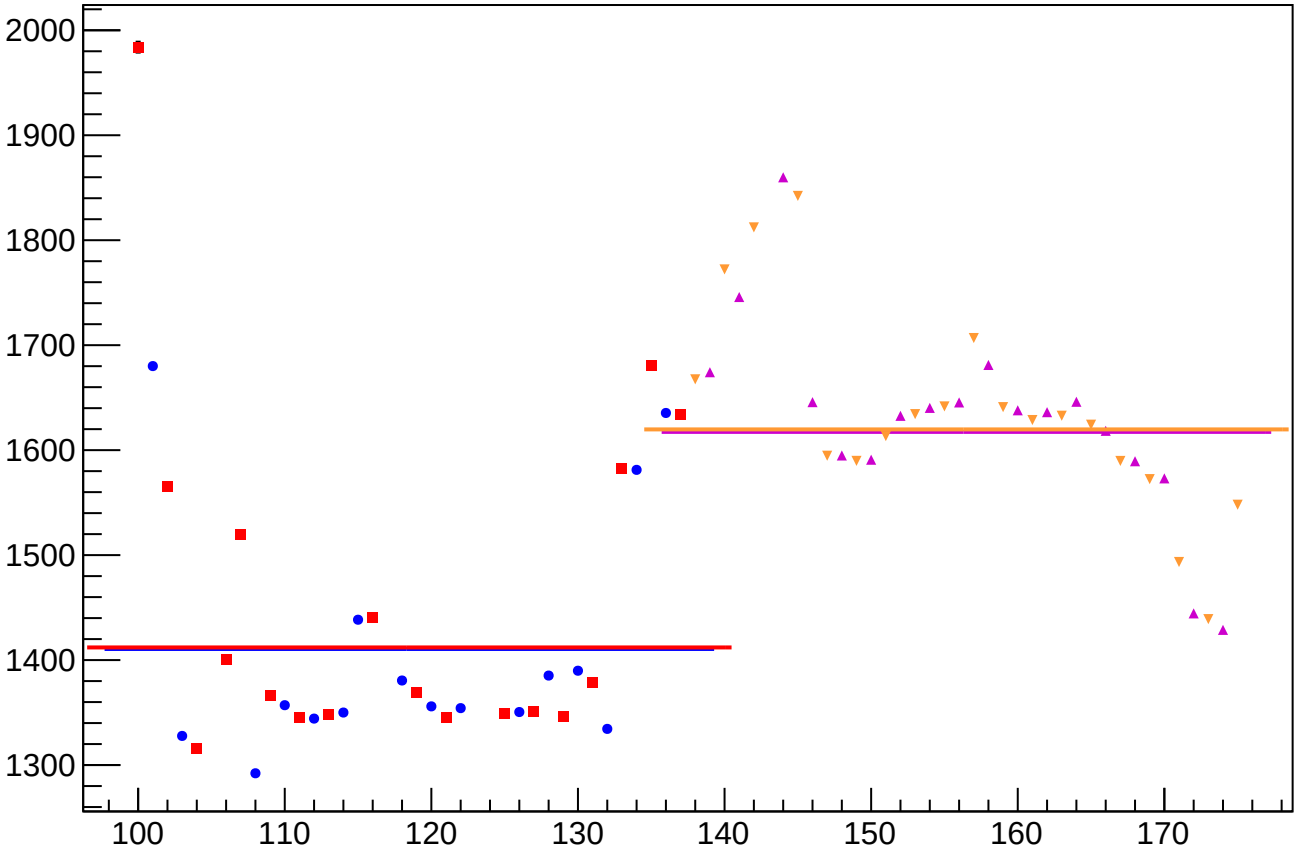
Left In: -2360.148+/-420.047 χ^2/NDF:14.7/17

+ sign 1194.357+/-327.654 χ^2/NDF: 48.1/34

All: -528.903+/-232.129 χ^2/NDF: 131.7/70

- sign -2265.383+/-328.908 χ^2/NDF: 28.1/35

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1619.759+/-0.296 χ^2/NDF:95149.8/18

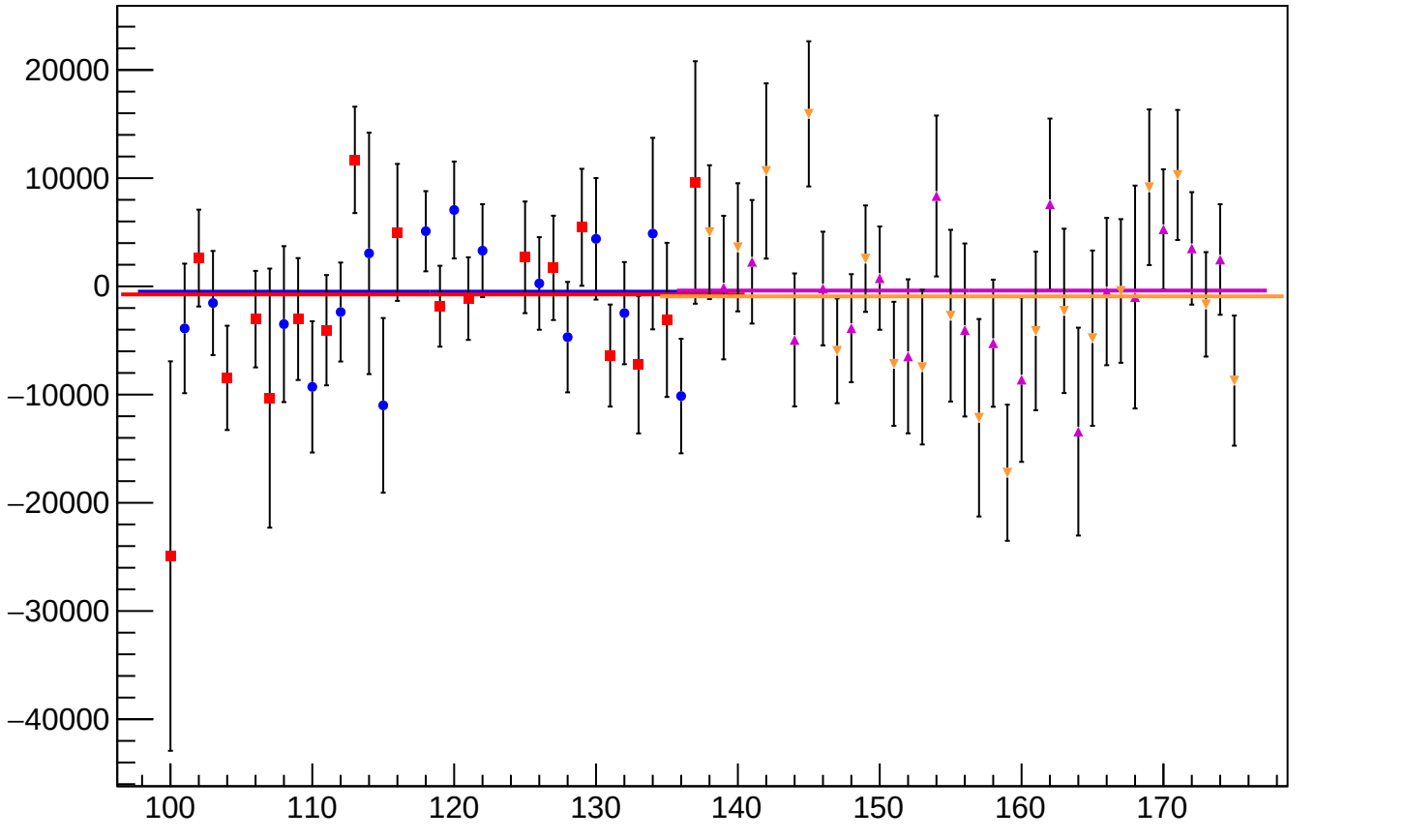
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1617.410+/-0.297 χ^2/NDF:102502.9/17

+ sign 1538.947+/-0.232 χ^2/NDF: 387529.1/34

All: 1538.326+/-0.164 χ^2/NDF: 765301.2/70

- sign 1537.702+/-0.232 χ^2/NDF: 377757.7/35



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -921.322+/-1457.317 χ^2/NDF:29.4/18

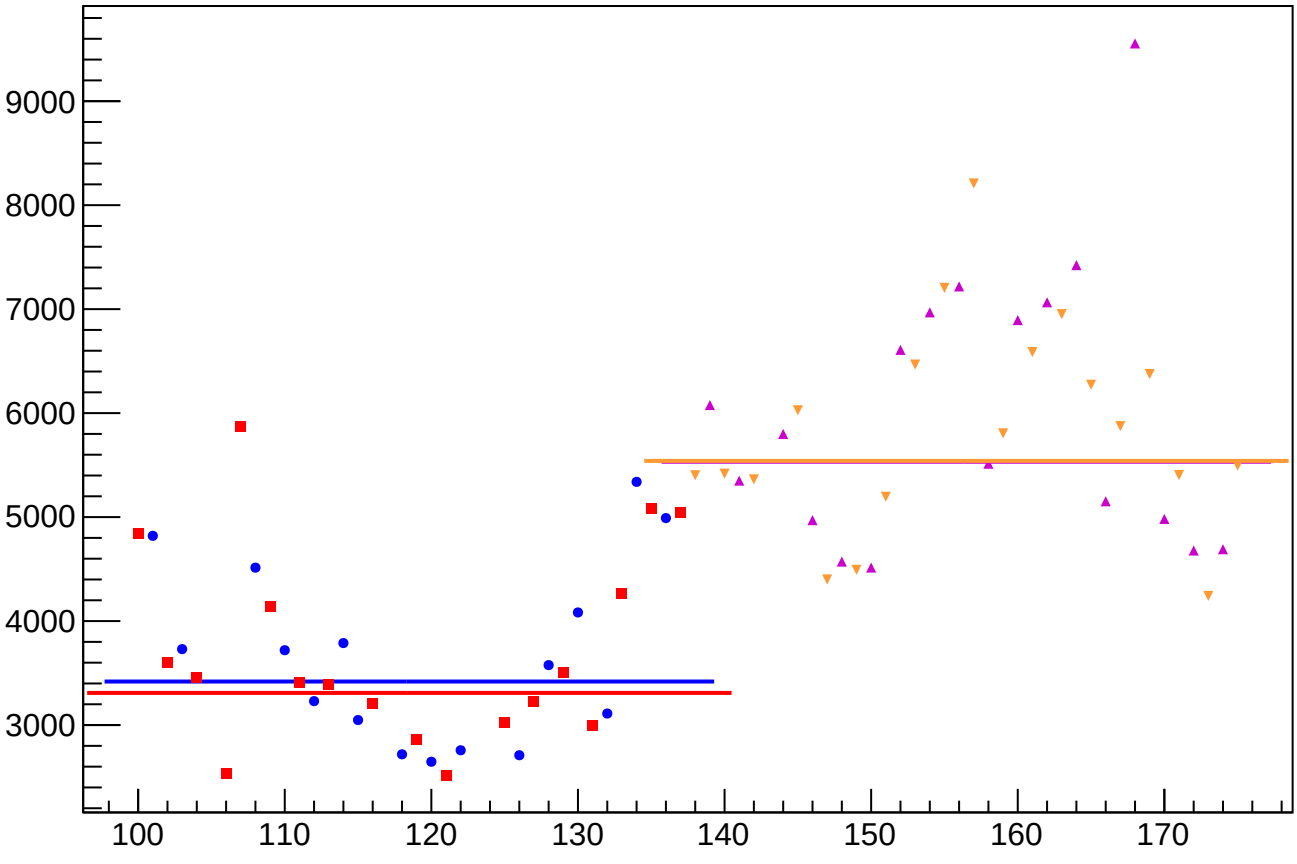
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -386.499+/-1465.450 χ^2/NDF:10.3/17

+ sign -682.216+/-973.702 χ^2/NDF: 45.3/34

All: -635.874+/-680.020 χ^2/NDF: 74.8/70

- sign -591.750+/-950.117 χ^2/NDF: 29.5/35



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5540.447+/-1.030 χ^2/NDF:822423.0/18

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

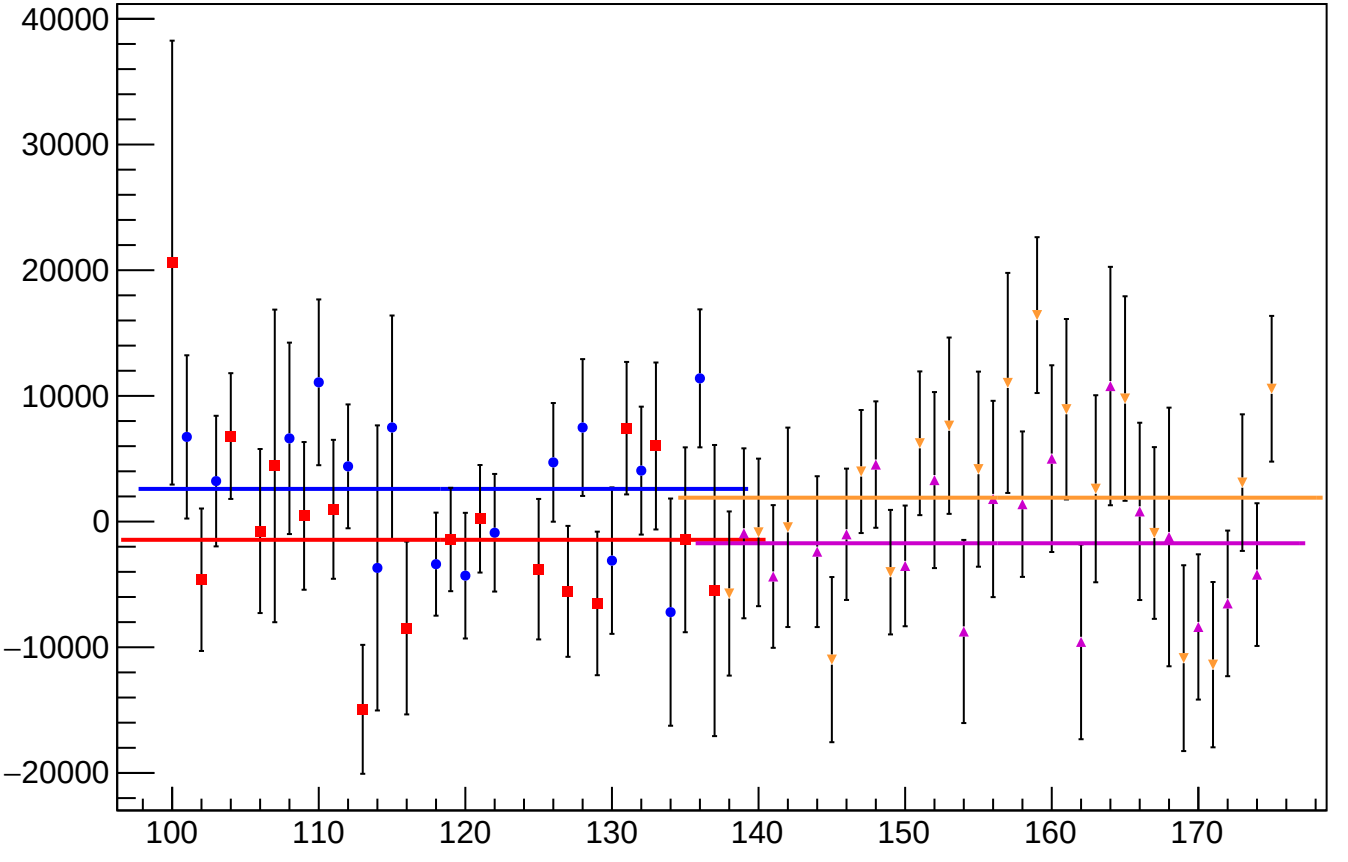
Left In: 5532.294+/-1.036 χ^2/NDF:1072806.2/17

+ sign 4365.885+/-0.689 χ^2/NDF: 3890540.8/34

All: 4303.256+/-0.481 χ^2/NDF: 8219571.3/70

- sign 4243.625+/-0.672 χ^2/NDF: 4312878.1/35

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 1901.128+/-1475.055 χ^2/NDF:26.5/18

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

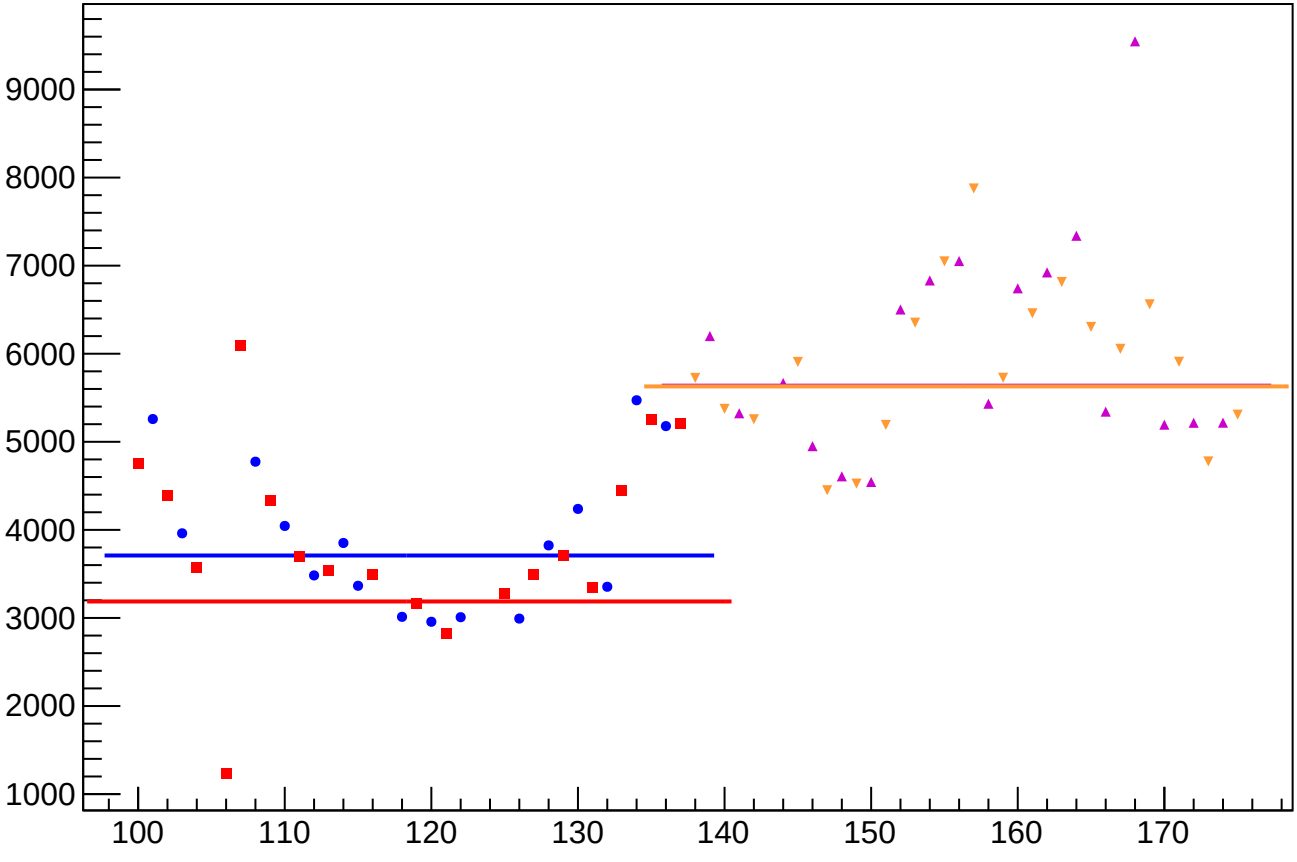
Left In: -1724.742+/-1487.550 χ^2/NDF:9.8/17

+ sign 2265.007+/-1020.939 χ^2/NDF: 40.1/34

All: 328.340+/-719.019 χ^2/NDF: 76.1/70

- sign -1577.584+/-1012.803 χ^2/NDF: 28.9/35

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5628.813+/-1.043 χ^2/NDF:649437.7/18

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

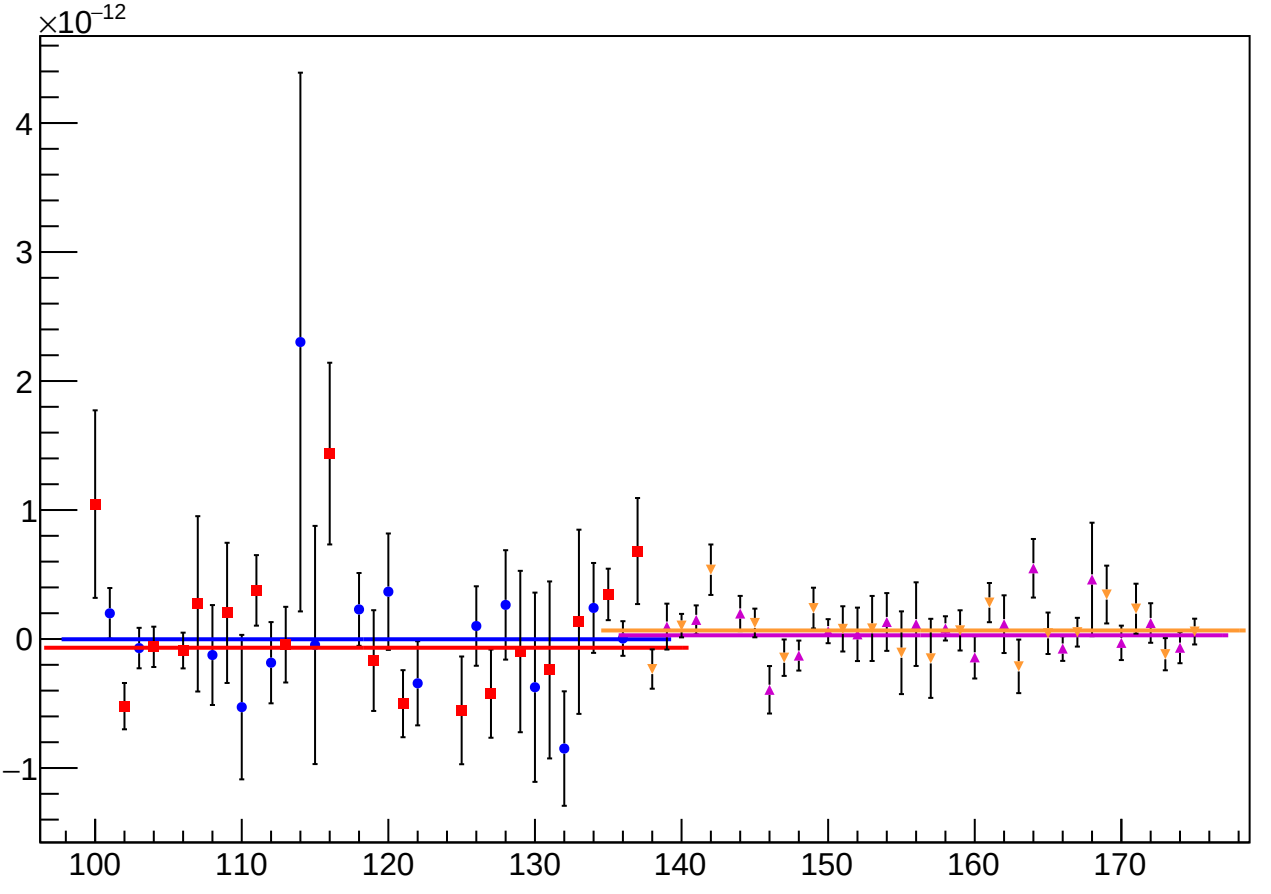
Left In: 5637.336+/-1.052 χ^2/NDF:883836.9/17

+ sign 4628.769+/-0.722 χ^2/NDF: 3024716.9/34

All: 4411.095+/-0.496 χ^2/NDF: 8837014.5/70

- sign 4216.886+/-0.682 χ^2/NDF: 5640264.2/35

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.7/18

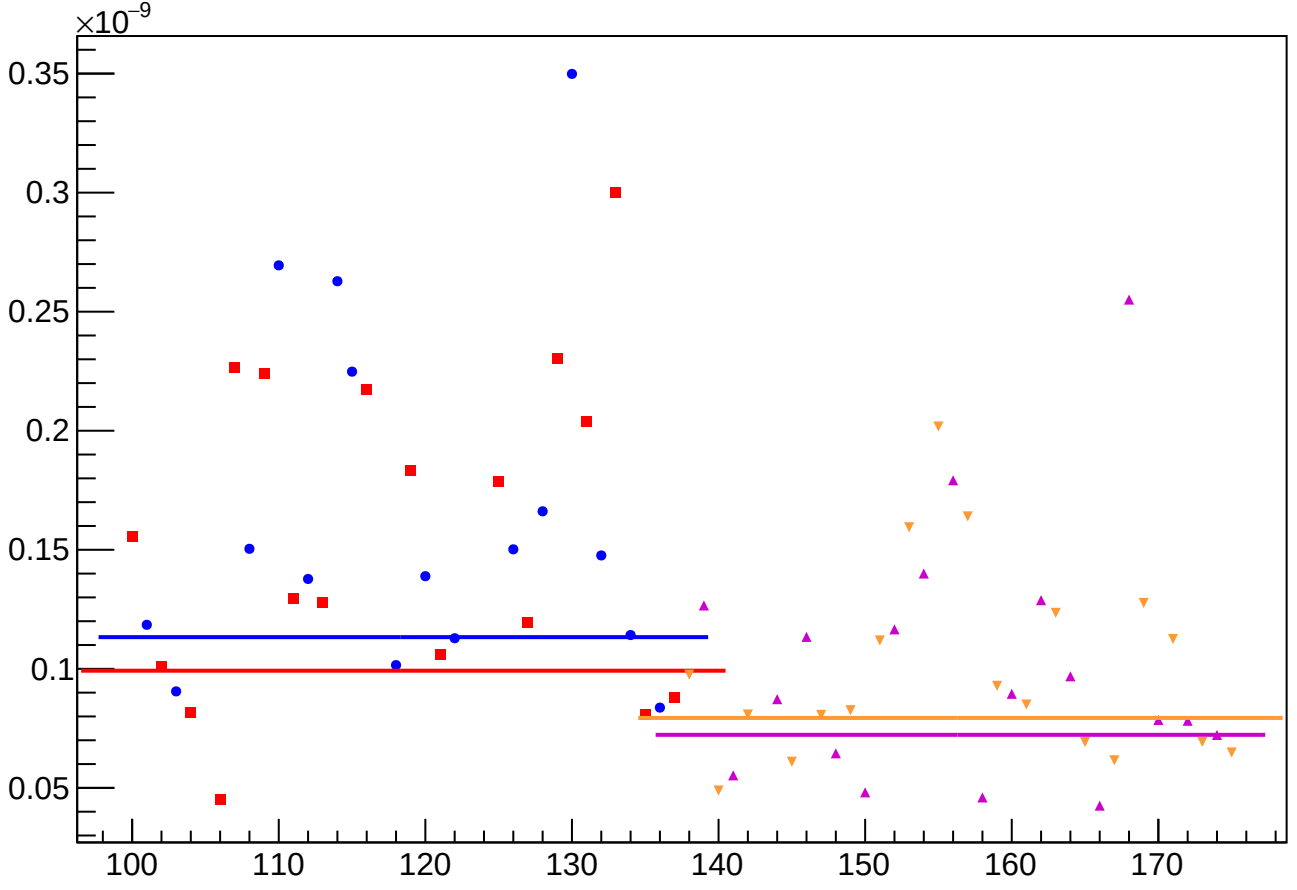
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:20.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 34.5/34

All: 0.000+/-0.000 χ^2/NDF: 87.3/70

- sign 0.000+/-0.000 χ^2/NDF: 51.6/35



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1397400.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

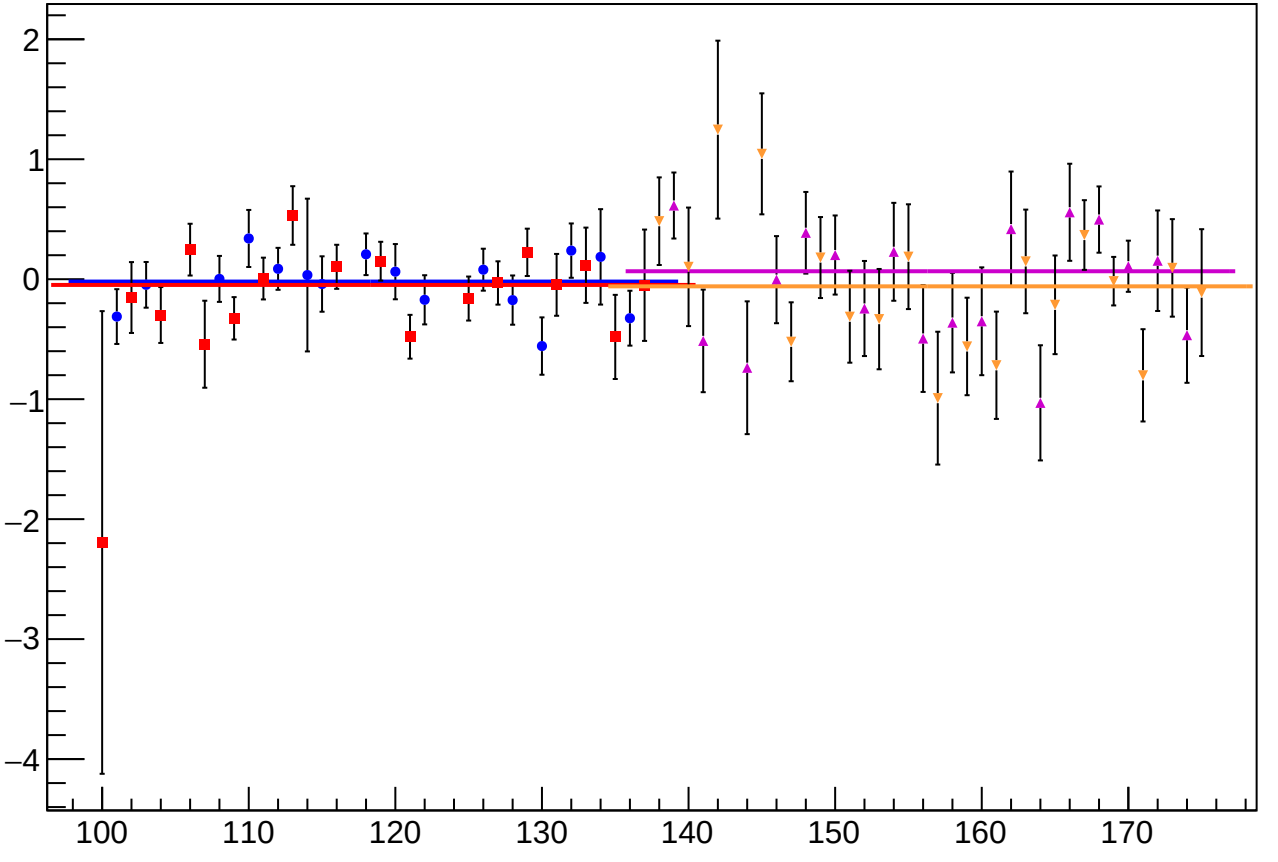
Left In: 0.000+/-0.000 χ^2/NDF:1867936.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 2429901.3/34

All: 0.000+/-0.000 χ^2/NDF: 5737473.8/70

- sign 0.000+/-0.000 χ^2/NDF: 3236738.9/35

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.059+/-0.087 χ^2/NDF:26.9/18

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

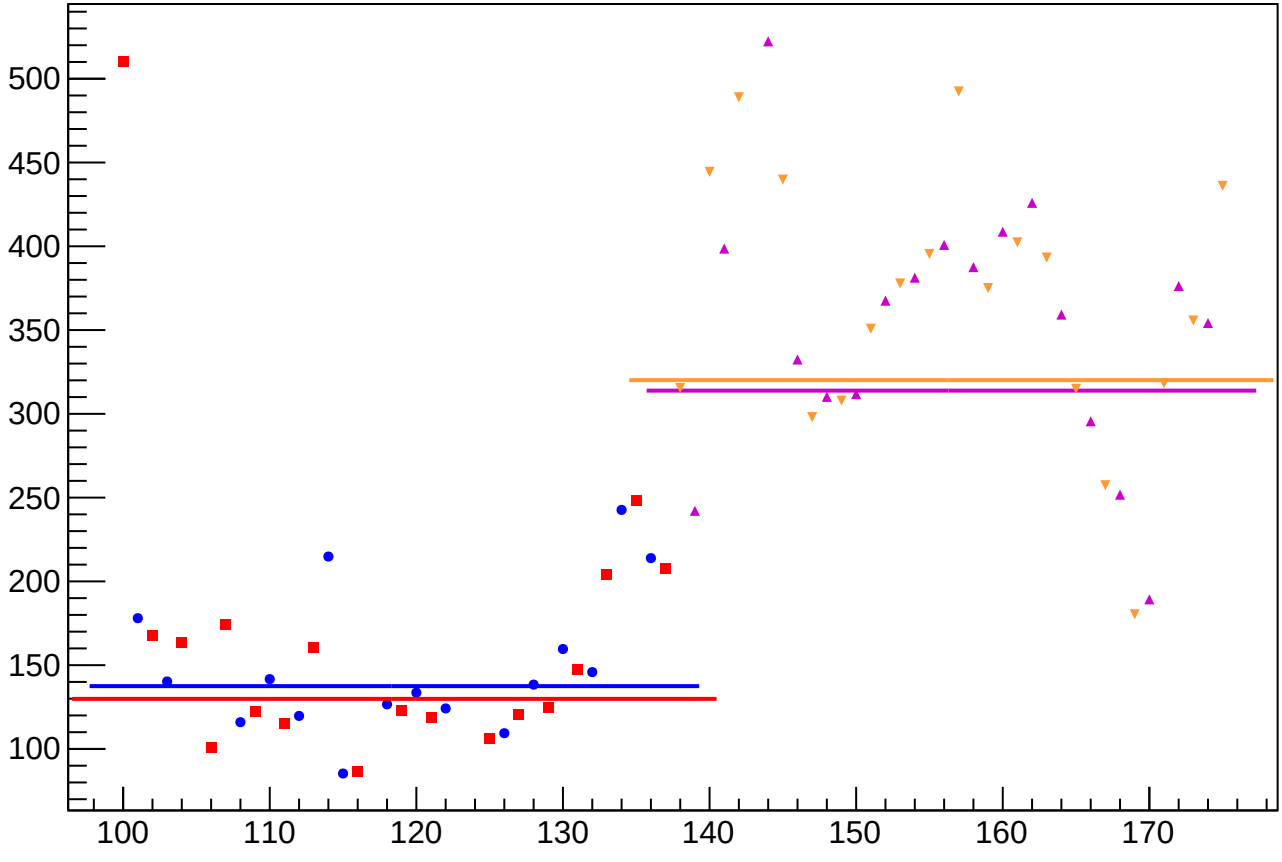
Left In: 0.066+/-0.085 χ^2/NDF:24.8/17

+ sign -0.031+/-0.046 χ^2/NDF: 43.0/34

All: -0.023+/-0.032 χ^2/NDF: 95.5/70

- sign -0.016+/-0.045 χ^2/NDF: 52.4/35

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 320.115+/-0.062 χ^2/NDF:1980312.9/18

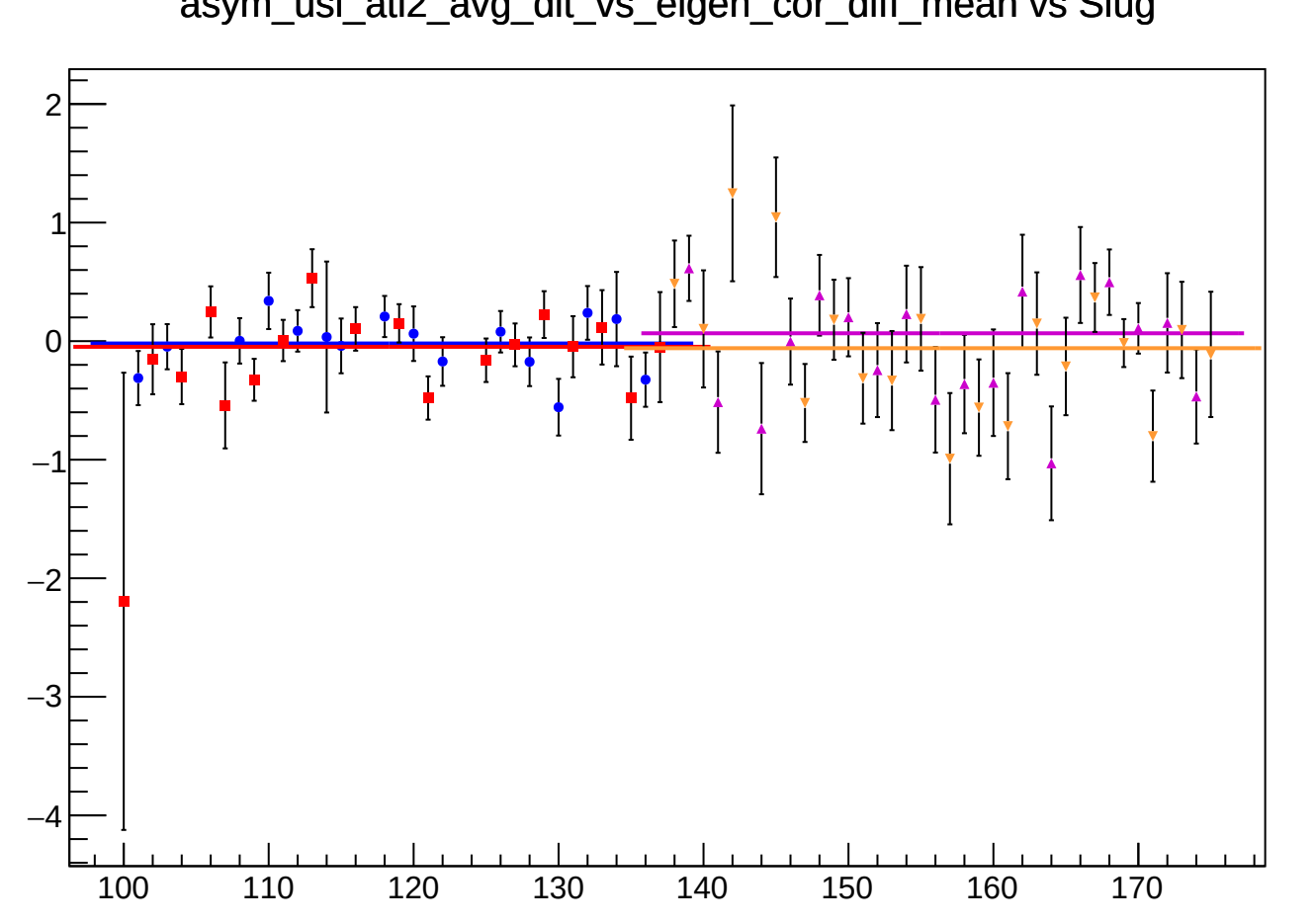
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 313.861+/-0.060 χ^2/NDF:1803626.2/17

+ sign 188.368+/-0.033 χ^2/NDF: 8997336.2/34

All: 184.283+/-0.023 χ^2/NDF: 18414553.8/70

- sign 180.433+/-0.032 χ^2/NDF: 9386639.5/35



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.059+/-0.087 χ^2/NDF:26.9/18

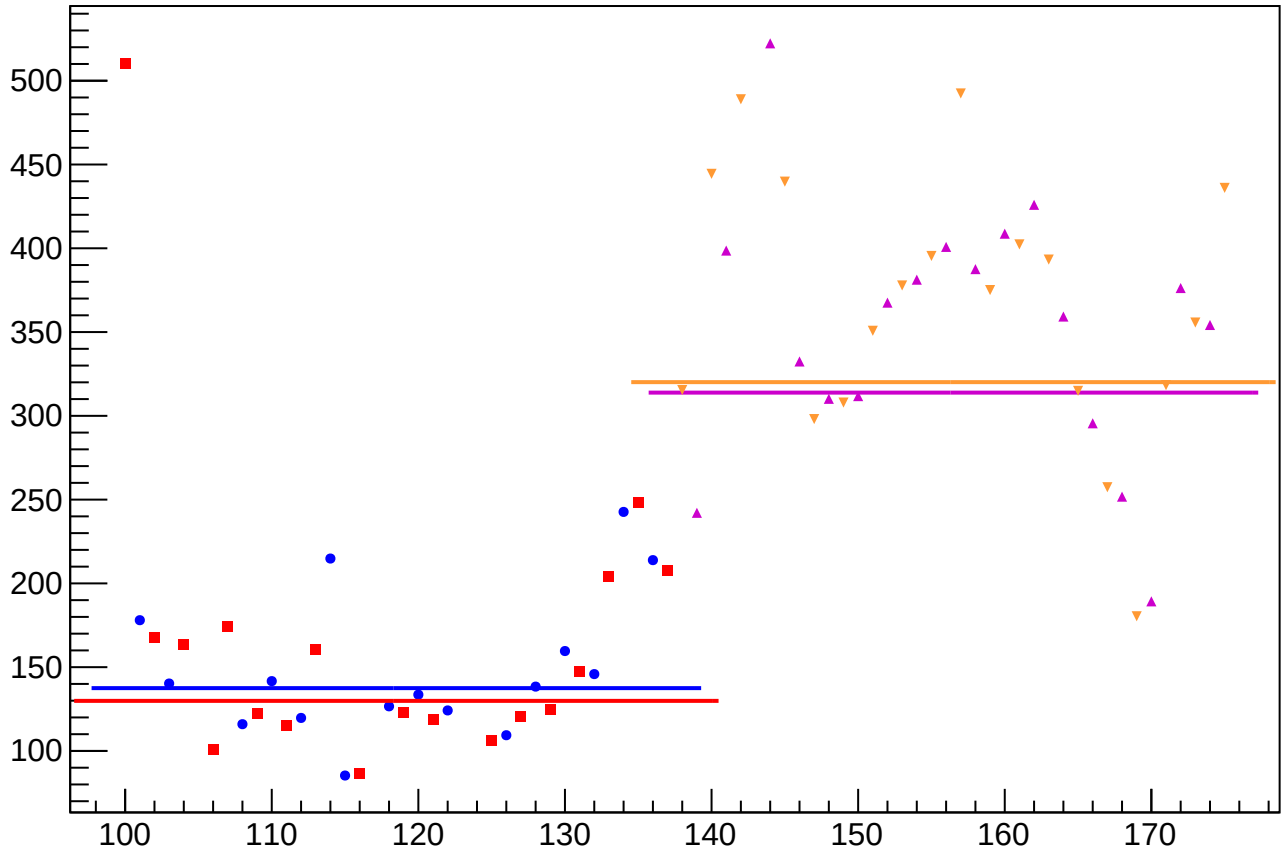
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.066+/-0.085 χ^2/NDF:24.8/17

+ sign -0.031+/-0.046 χ^2/NDF: 43.0/34

All: -0.023+/-0.032 χ^2/NDF: 95.5/70

- sign -0.016+/-0.045 χ^2/NDF: 52.4/35



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 320.115+/-0.062 χ^2/NDF:1980312.9/18

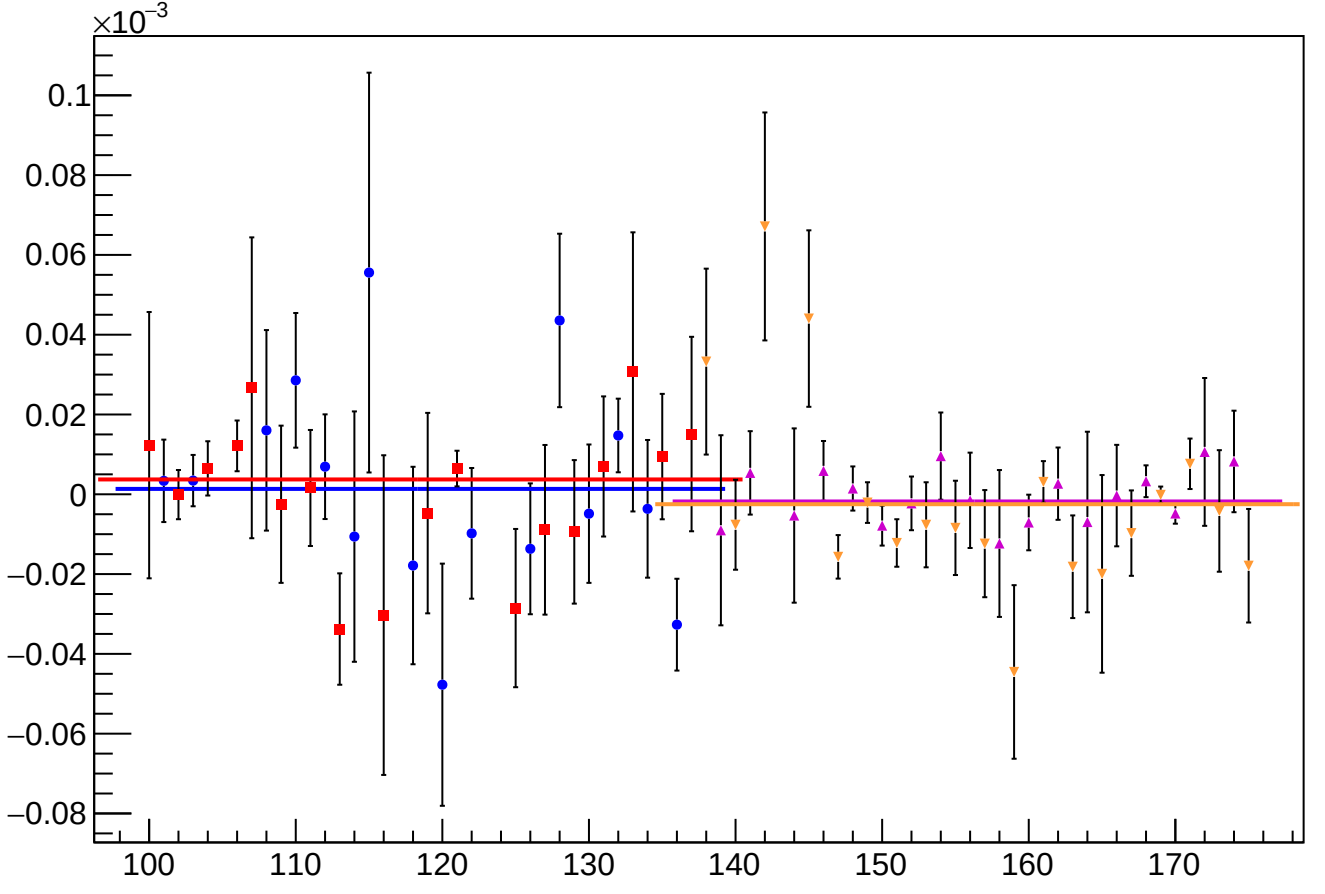
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 313.861+/-0.060 χ^2/NDF:1803626.2/17

+ sign 188.368+/-0.033 χ^2/NDF: 8997336.2/34

All: 184.283+/-0.023 χ^2/NDF: 18414553.8/70

- sign 180.433+/-0.032 χ^2/NDF: 9386639.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/18

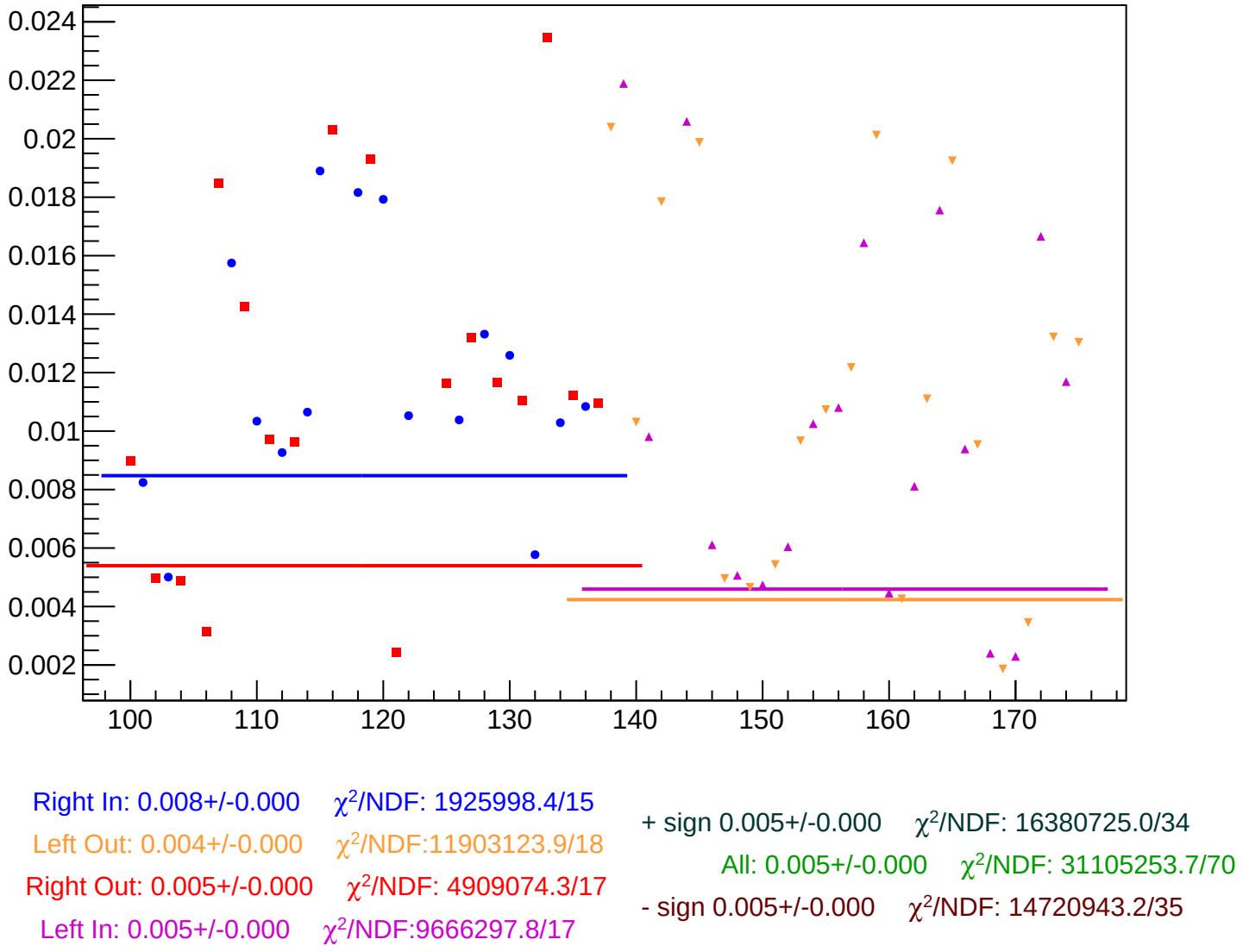
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

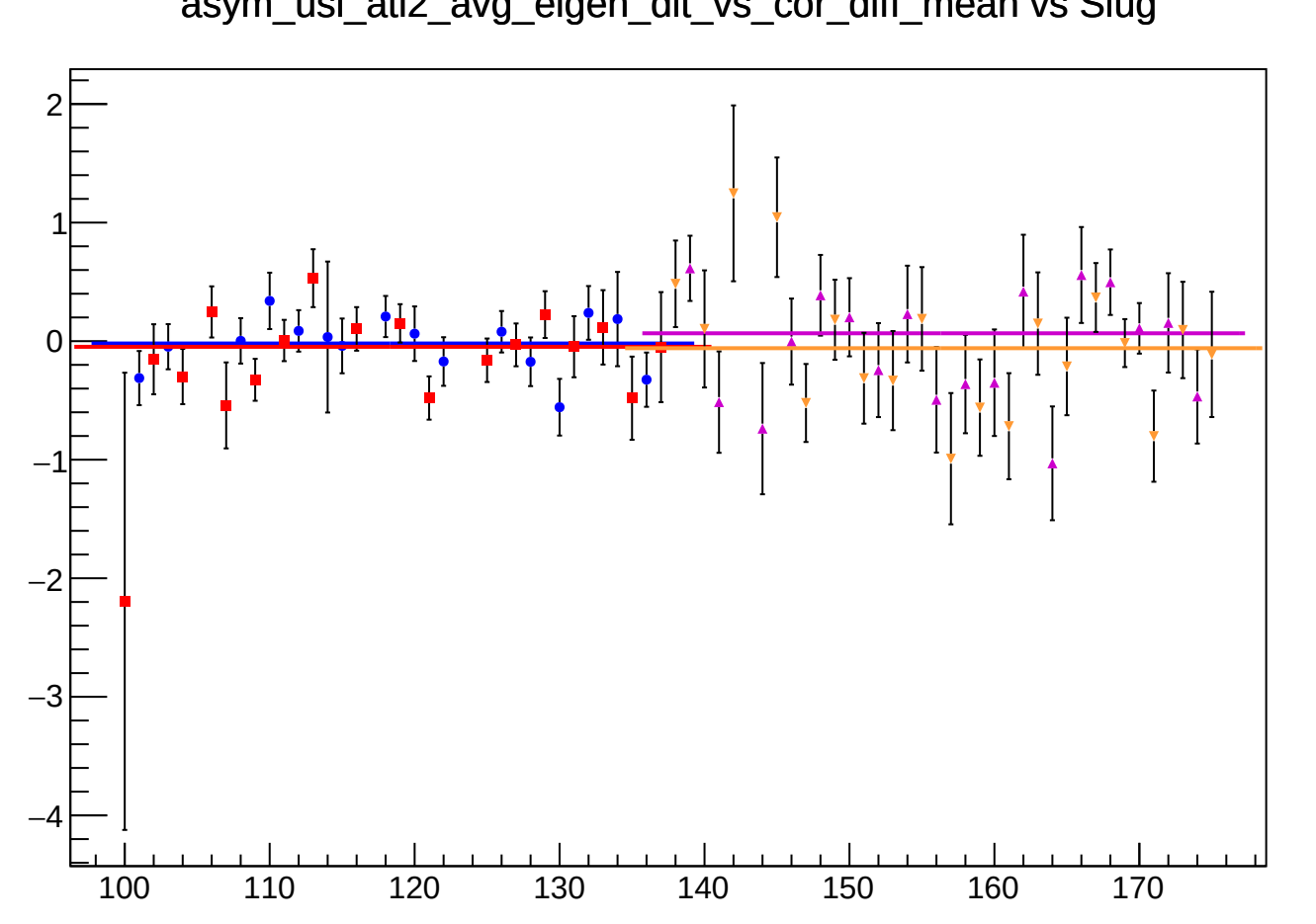
Left In: -0.000+/-0.000 χ^2/NDF:9.8/17

+ sign -0.000+/-0.000 χ^2/NDF: 59.8/34

All: -0.000+/-0.000 χ^2/NDF: 89.6/70

- sign -0.000+/-0.000 χ^2/NDF: 29.0/35


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: 0.004+/-0.000 χ²/NDF:11903123.9/18
Right Out: 0.005+/-0.000 χ²/NDF: 4909074.3/17
Left In: 0.005+/-0.000 χ²/NDF:9666297.8/17
+ sign 0.005+/-0.000 χ²/NDF: 16380725.0/34
All: 0.005+/-0.000 χ²/NDF: 31105253.7/70
- sign 0.005+/-0.000 χ²/NDF: 14720943.2/35



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.059+/-0.087 χ^2/NDF:26.9/18

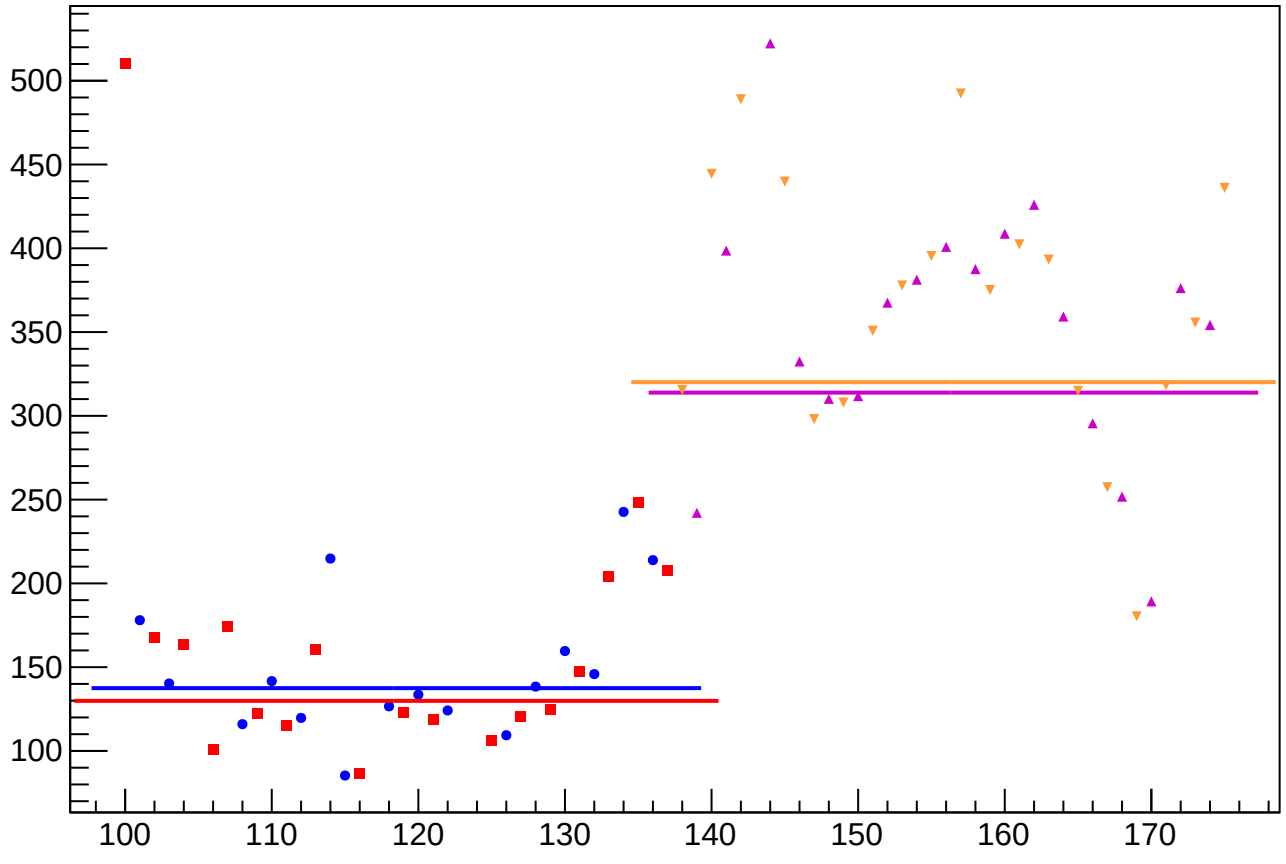
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.066+/-0.085 χ^2/NDF:24.8/17

+ sign -0.031+/-0.046 χ^2/NDF: 43.0/34

All: -0.023+/-0.032 χ^2/NDF: 95.5/70

- sign -0.016+/-0.045 χ^2/NDF: 52.4/35



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 320.117+/-0.062 χ^2/NDF:1980364.8/18

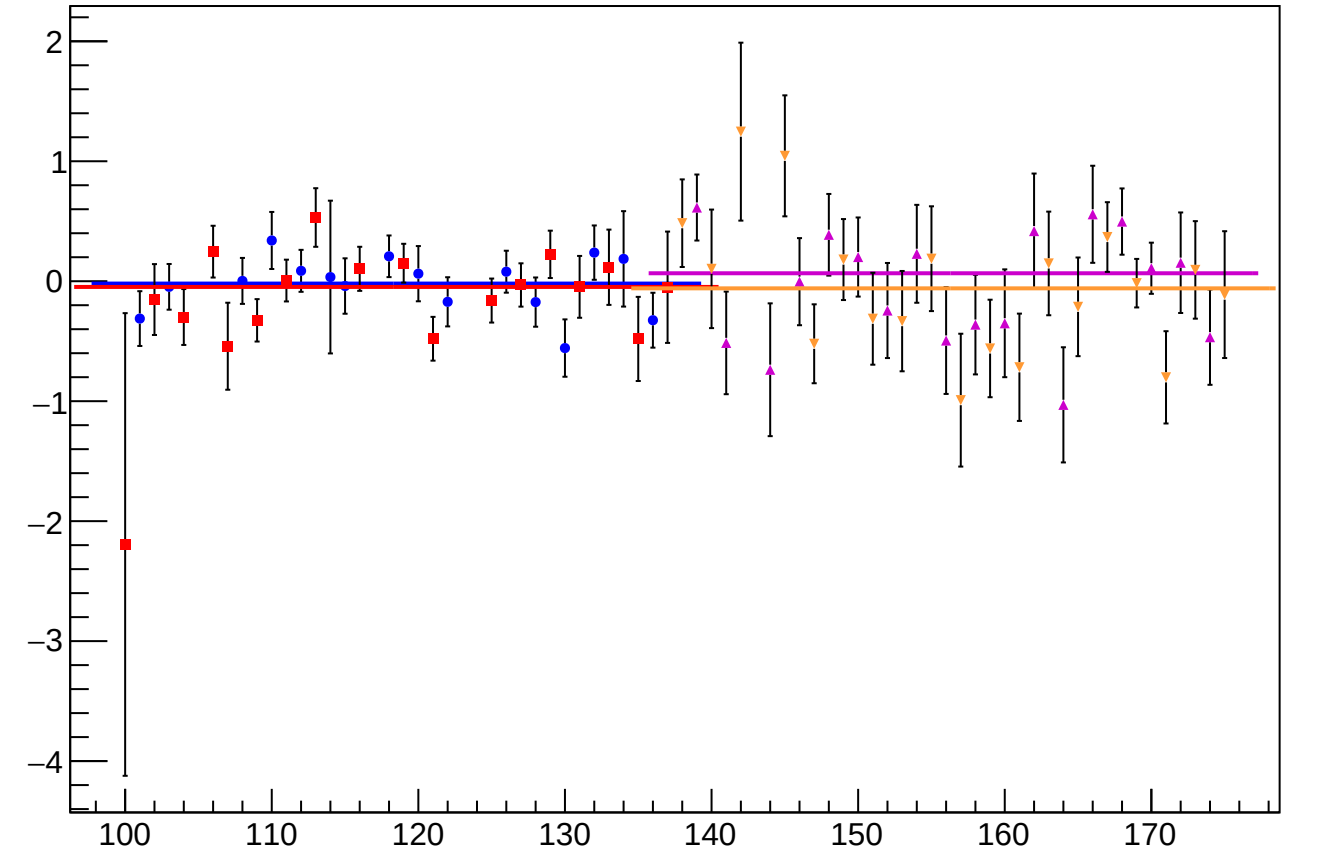
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 313.864+/-0.060 χ^2/NDF:1803617.9/17

+ sign 188.367+/-0.033 χ^2/NDF: 8997446.4/34

All: 184.283+/-0.023 χ^2/NDF: 18414729.7/70

- sign 180.432+/-0.032 χ^2/NDF: 9386706.4/35



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.059+/-0.087 χ^2/NDF:26.9/18

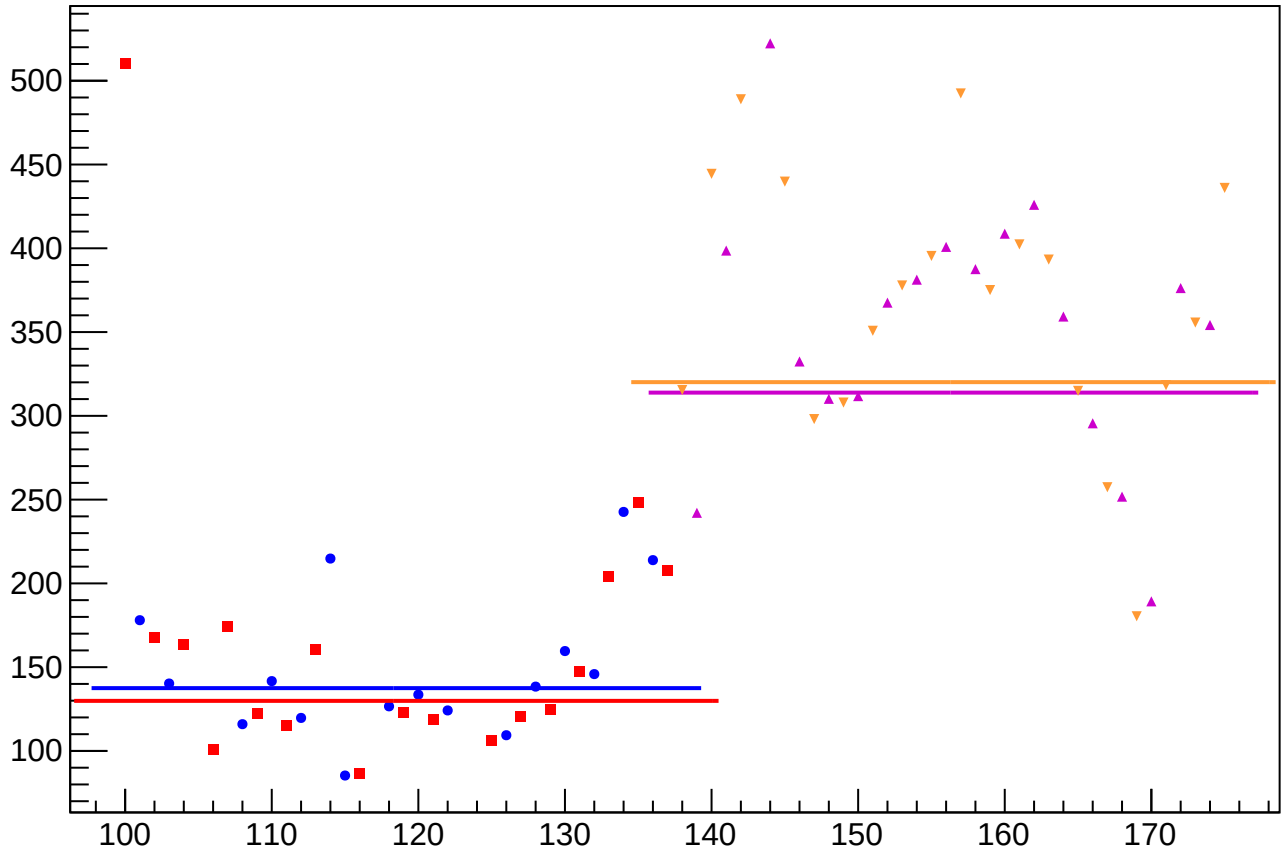
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.066+/-0.085 χ^2/NDF:24.8/17

+ sign -0.031+/-0.046 χ^2/NDF: 43.0/34

All: -0.023+/-0.032 χ^2/NDF: 95.5/70

- sign -0.016+/-0.045 χ^2/NDF: 52.4/35



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 320.117+/-0.062 χ^2/NDF:1980364.8/18

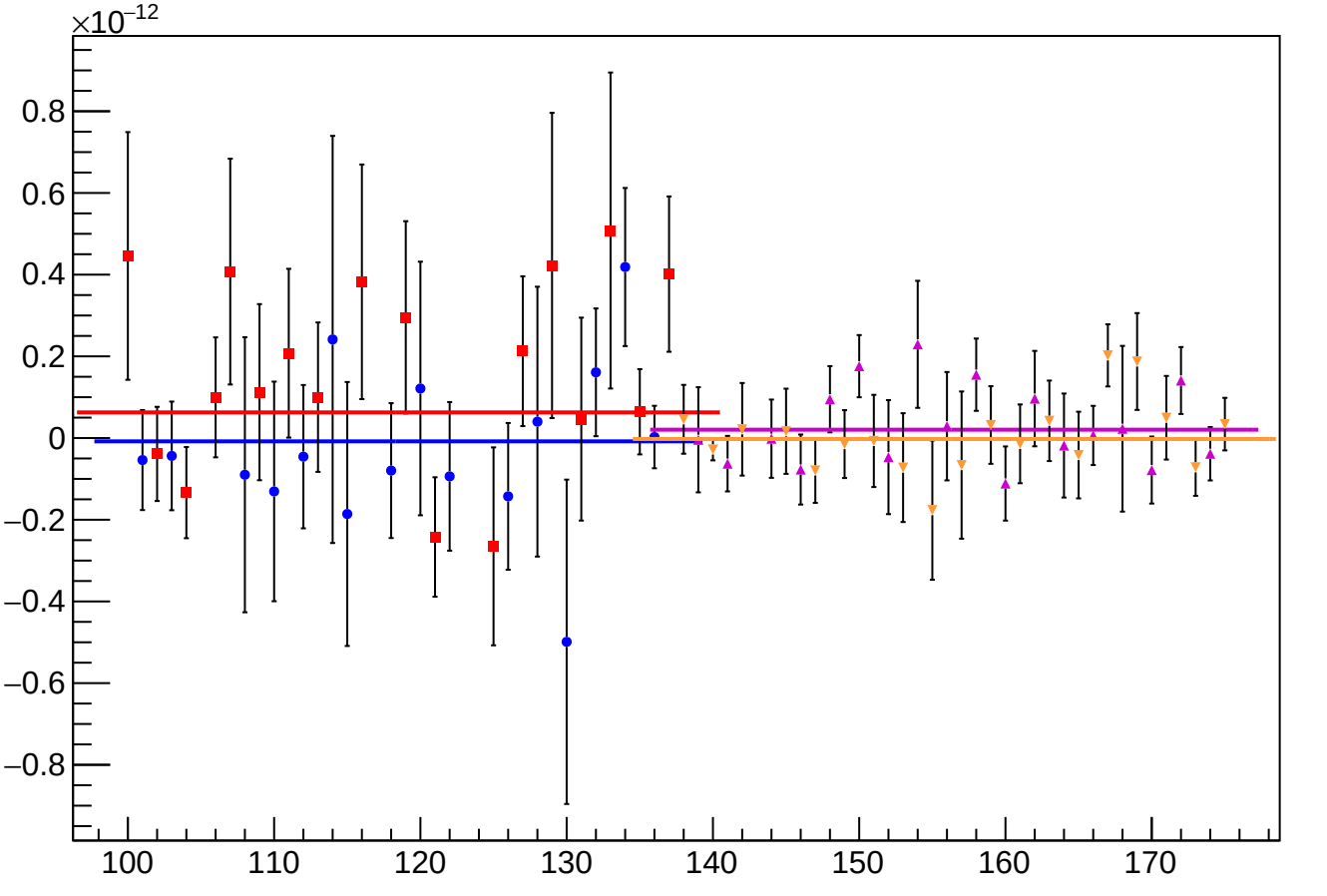
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 313.864+/-0.060 χ^2/NDF:1803617.9/17

+ sign 188.367+/-0.033 χ^2/NDF: 8997446.4/34

All: 184.283+/-0.023 χ^2/NDF: 18414729.7/70

- sign 180.432+/-0.032 χ^2/NDF: 9386706.4/35



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/18

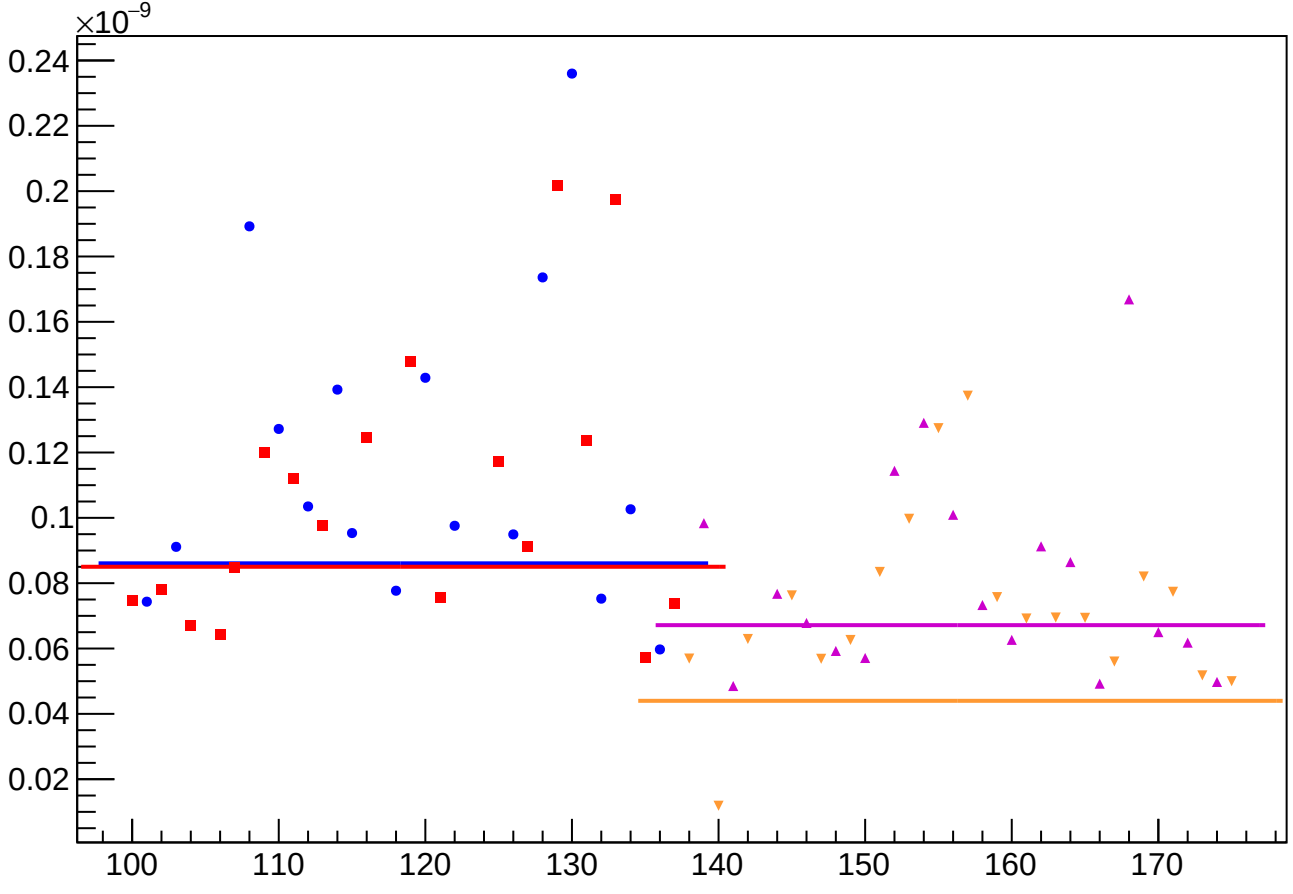
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:19.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 25.4/34

All: 0.000+/-0.000 χ^2/NDF: 69.5/70

- sign 0.000+/-0.000 χ^2/NDF: 42.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6075533.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

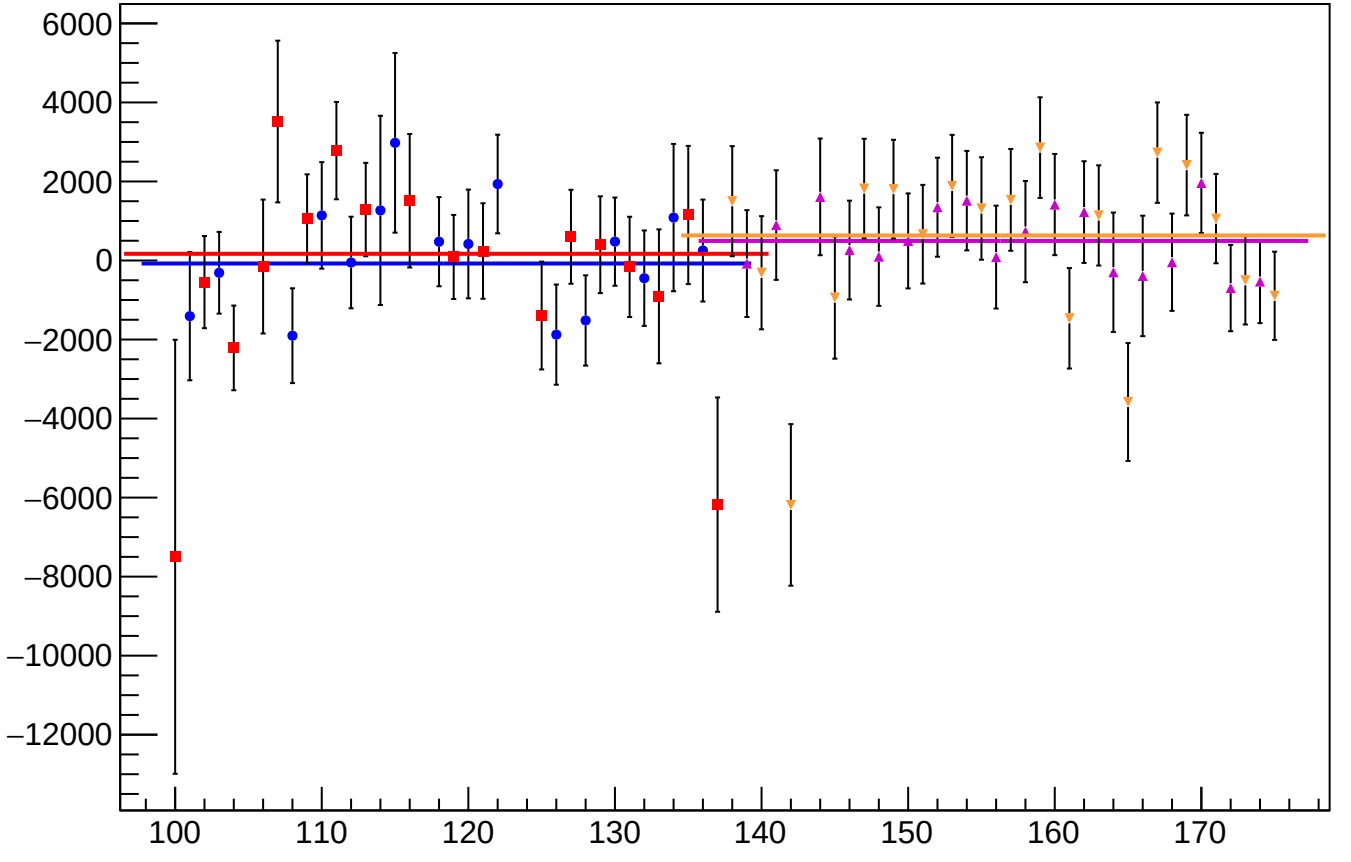
Left In: 0.000+/-0.000 χ^2/NDF:1920806.9/17

\+ sign 0.000+/-0.000 χ^2/NDF: 8836905.6/34

All: 0.000+/-0.000 χ^2/NDF: 13458730.3/70

\- sign 0.000+/-0.000 χ^2/NDF: 3192849.2/35

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 634.032+/-297.533 χ^2/NDF:38.1/18

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

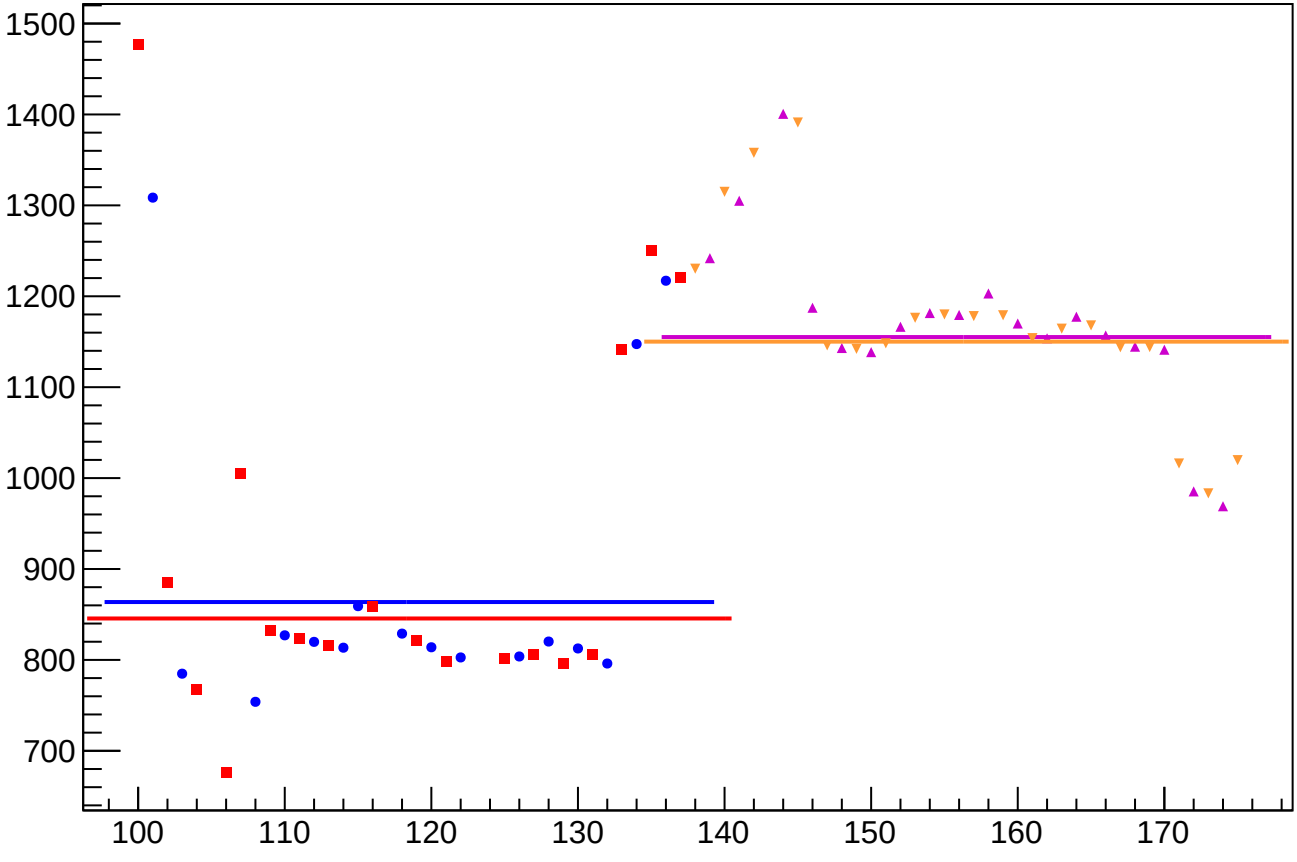
Left In: 494.922+/-300.516 χ^2/NDF:7.3/17

+ sign 311.634+/-219.833 χ^2/NDF: 54.0/34

All: 327.465+/-155.379 χ^2/NDF: 86.3/70

- sign 343.269+/-219.645 χ^2/NDF: 32.3/35

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1150.110+/-0.210 χ^2/NDF:207058.5/18

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

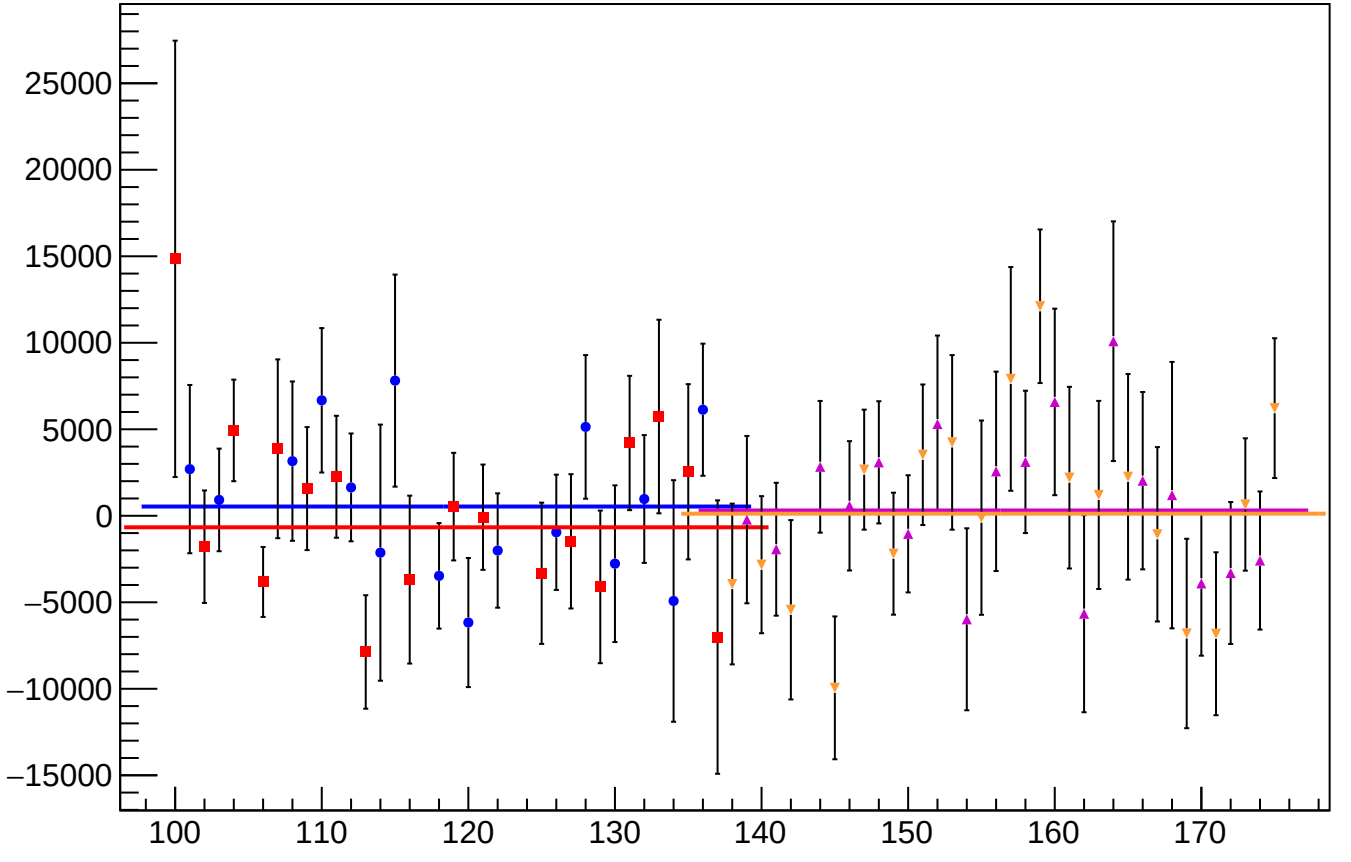
Left In: 1155.148+/-0.212 χ^2/NDF:205239.5/17

+ sign 1020.035+/-0.155 χ^2/NDF: 1456341.4/34

All: 1014.498+/-0.110 χ^2/NDF: 2973592.2/70

- sign 1009.035+/-0.154 χ^2/NDF: 1514730.3/35

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 120.302+/-1041.712 χ^2/NDF:26.0/18

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

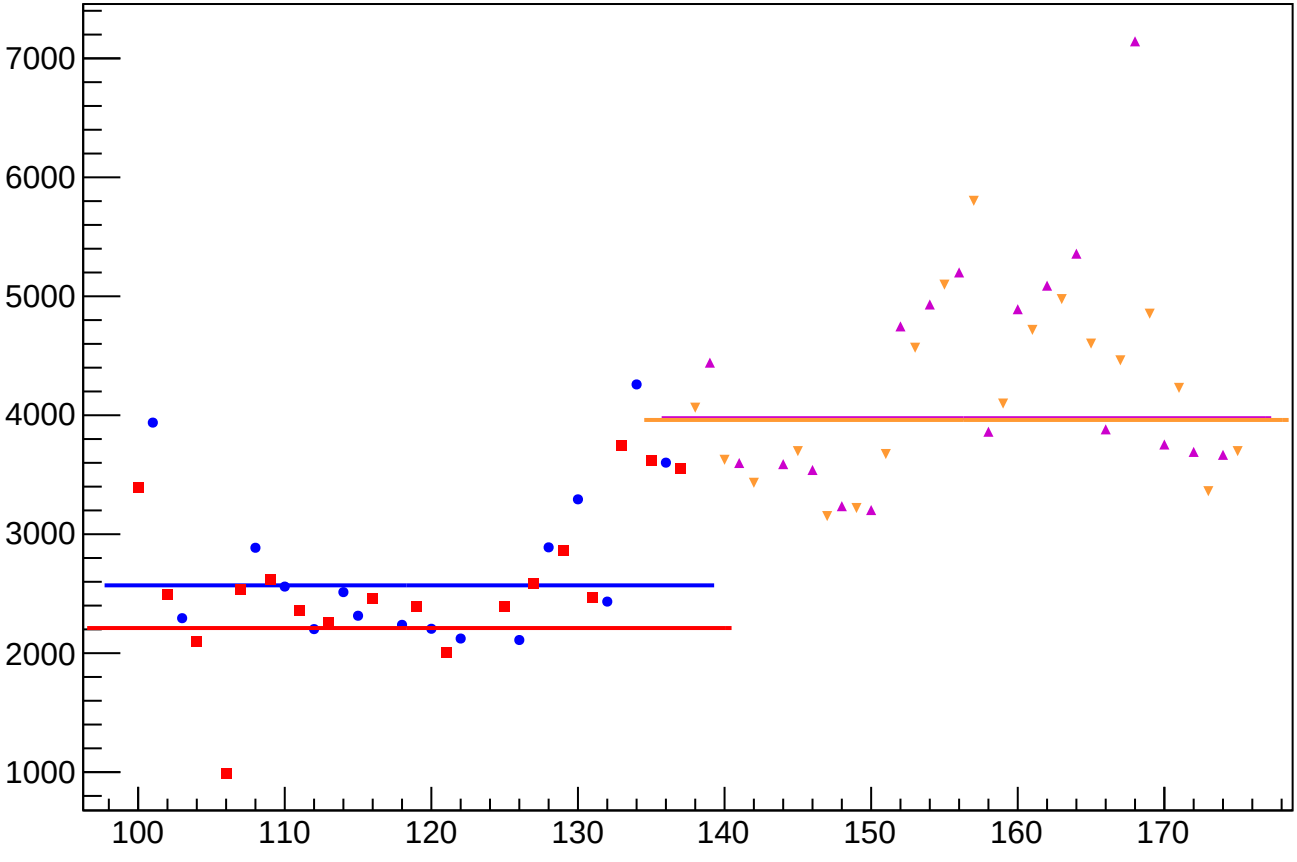
Left In: 306.826+/-1052.567 χ^2/NDF:11.5/17

+ sign 339.765+/-714.283 χ^2/NDF: 40.7/34

All: 12.594+/-487.996 χ^2/NDF: 73.0/70

- sign -273.786+/-668.272 χ^2/NDF: 32.0/35

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3960.492+/-0.737 χ^2/NDF:797787.6/18

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

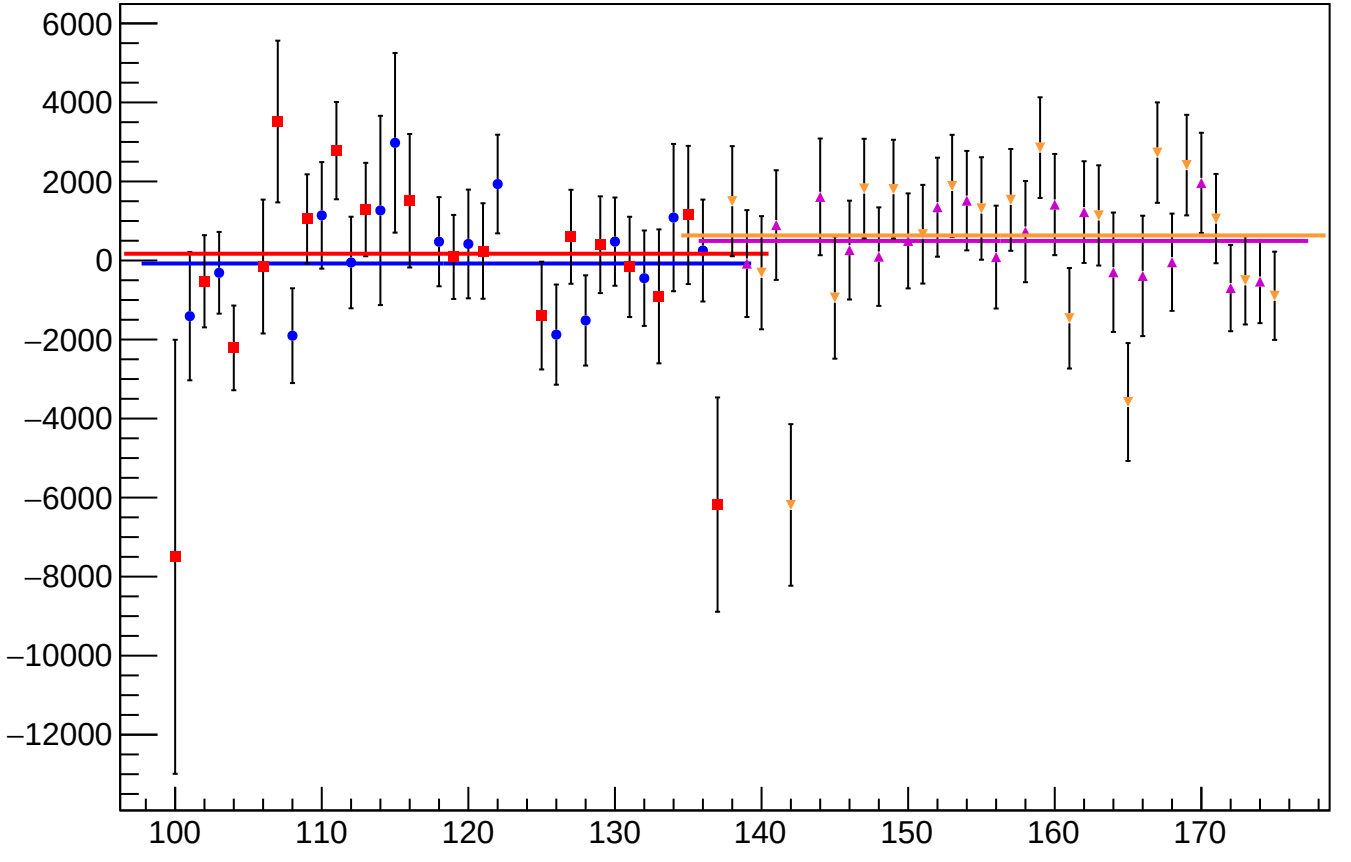
Left In: 3975.313+/-0.744 χ^2/NDF:1061167.8/17

+ sign 3223.825+/-0.505 χ^2/NDF: 3347965.7/34

All: 3063.064+/-0.345 χ^2/NDF: 9216369.3/70

- sign 2922.347+/-0.473 χ^2/NDF: 5678416.8/35

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 634.030+/-297.533 χ^2/NDF:38.1/18

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

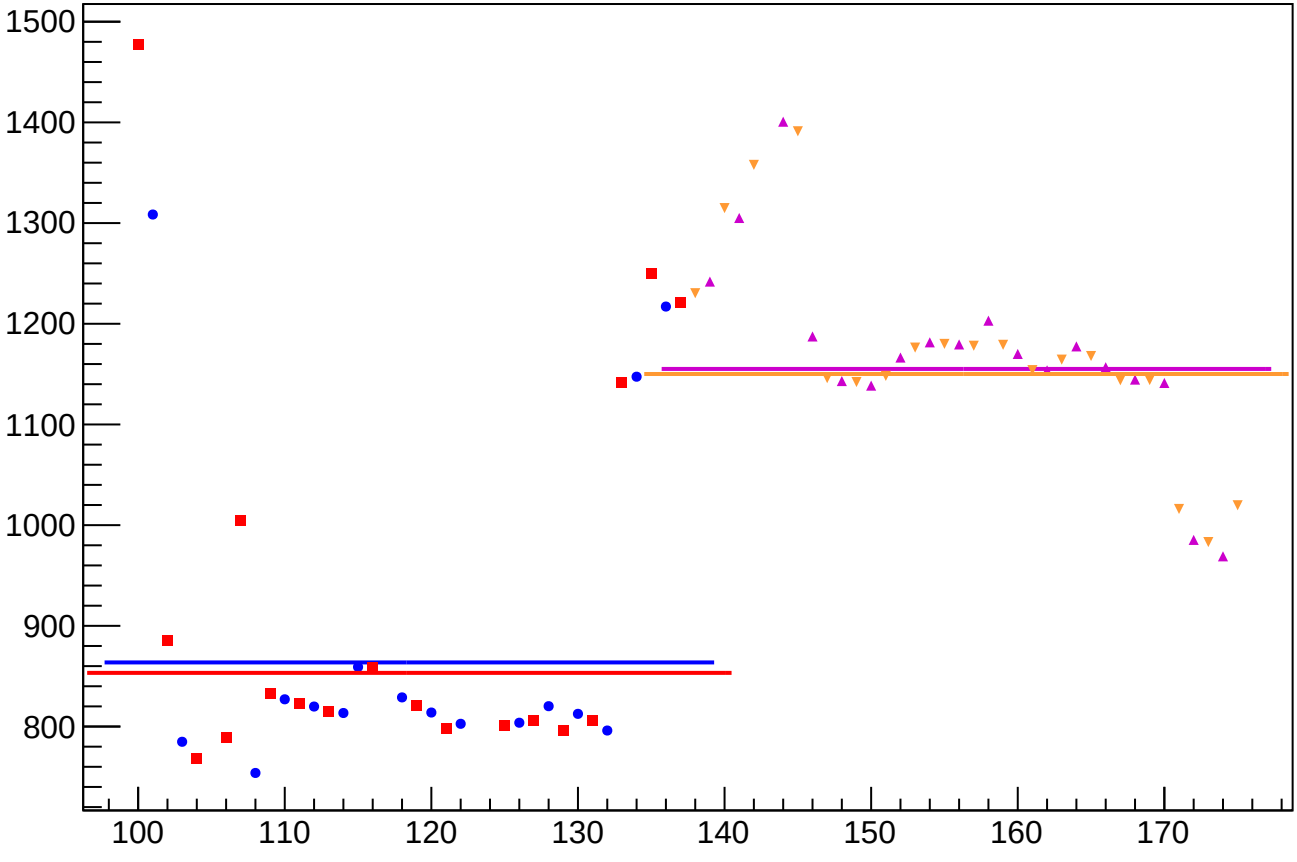
Left In: 494.907+/-300.516 χ^2/NDF:7.3/17

+ sign 311.598+/-219.833 χ^2/NDF: 54.0/34

All: 327.826+/-155.379 χ^2/NDF: 86.3/70

- sign 344.027+/-219.646 χ^2/NDF: 32.2/35

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1150.110+/-0.210 χ^2/NDF:207058.5/18

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

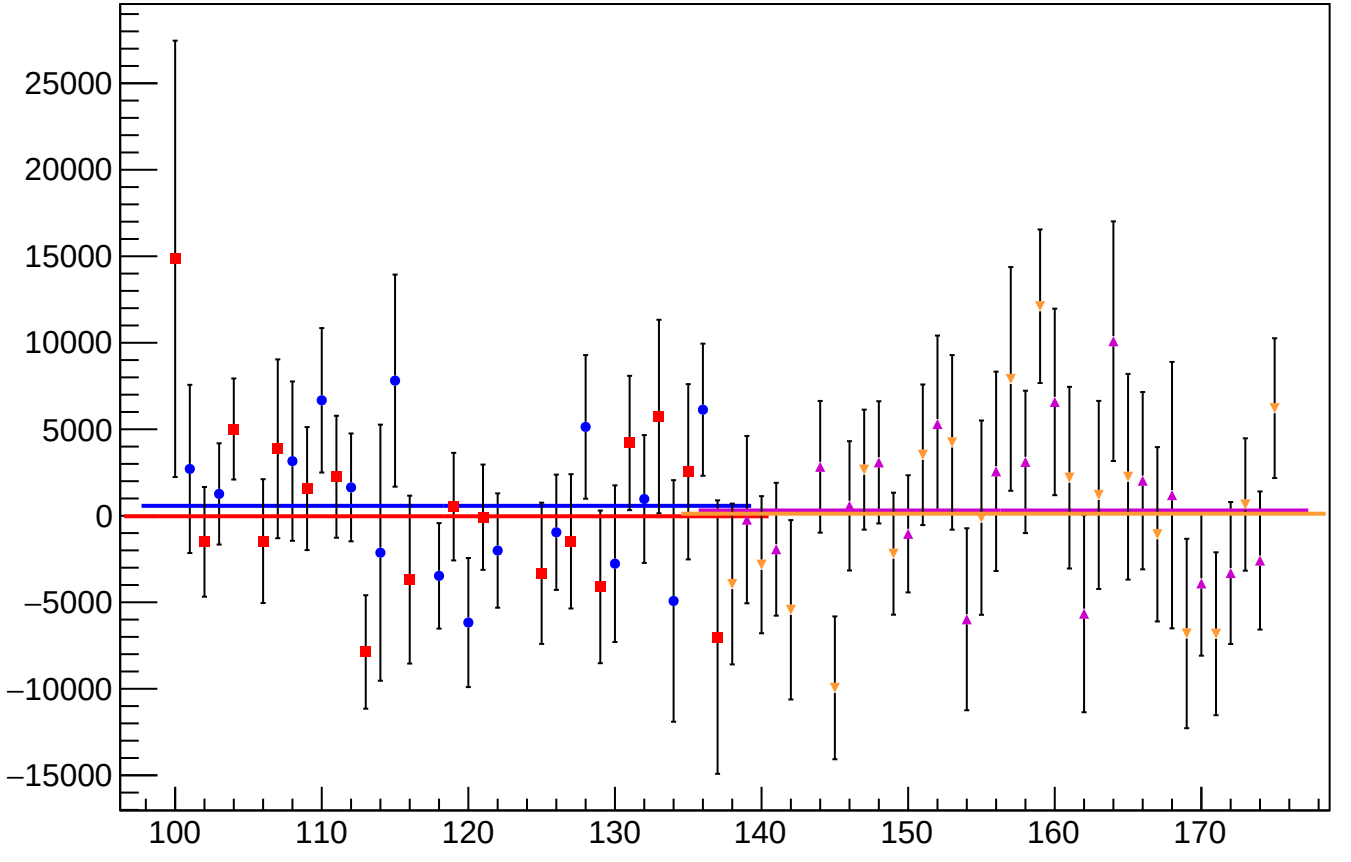
Left In: 1155.148+/-0.212 χ^2/NDF:205239.5/17

+ sign 1020.035+/-0.155 χ^2/NDF: 1456341.6/34

All: 1016.891+/-0.110 χ^2/NDF: 2882877.8/70

- sign 1013.768+/-0.155 χ^2/NDF: 1425721.0/35

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 120.308+/-1041.712 χ^2/NDF:26.0/18

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

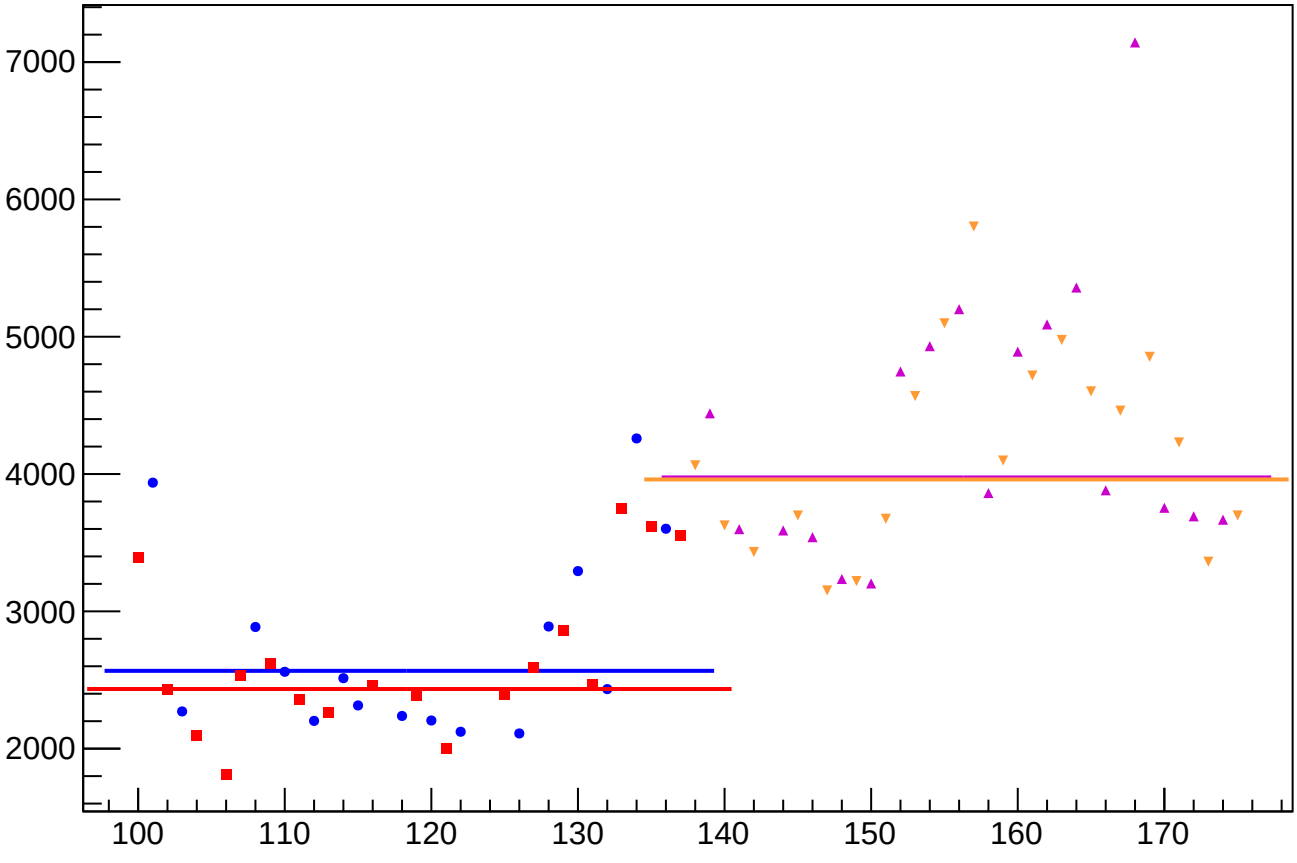
Left In: 306.860+/-1052.566 χ^2/NDF:11.5/17

+ sign 361.535+/-713.729 χ^2/NDF: 40.8/34

All: 235.802+/-497.412 χ^2/NDF: 69.5/70

- sign 117.063+/-693.596 χ^2/NDF: 28.7/35

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3960.494+/-0.737 χ^2/NDF:797784.0/18

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

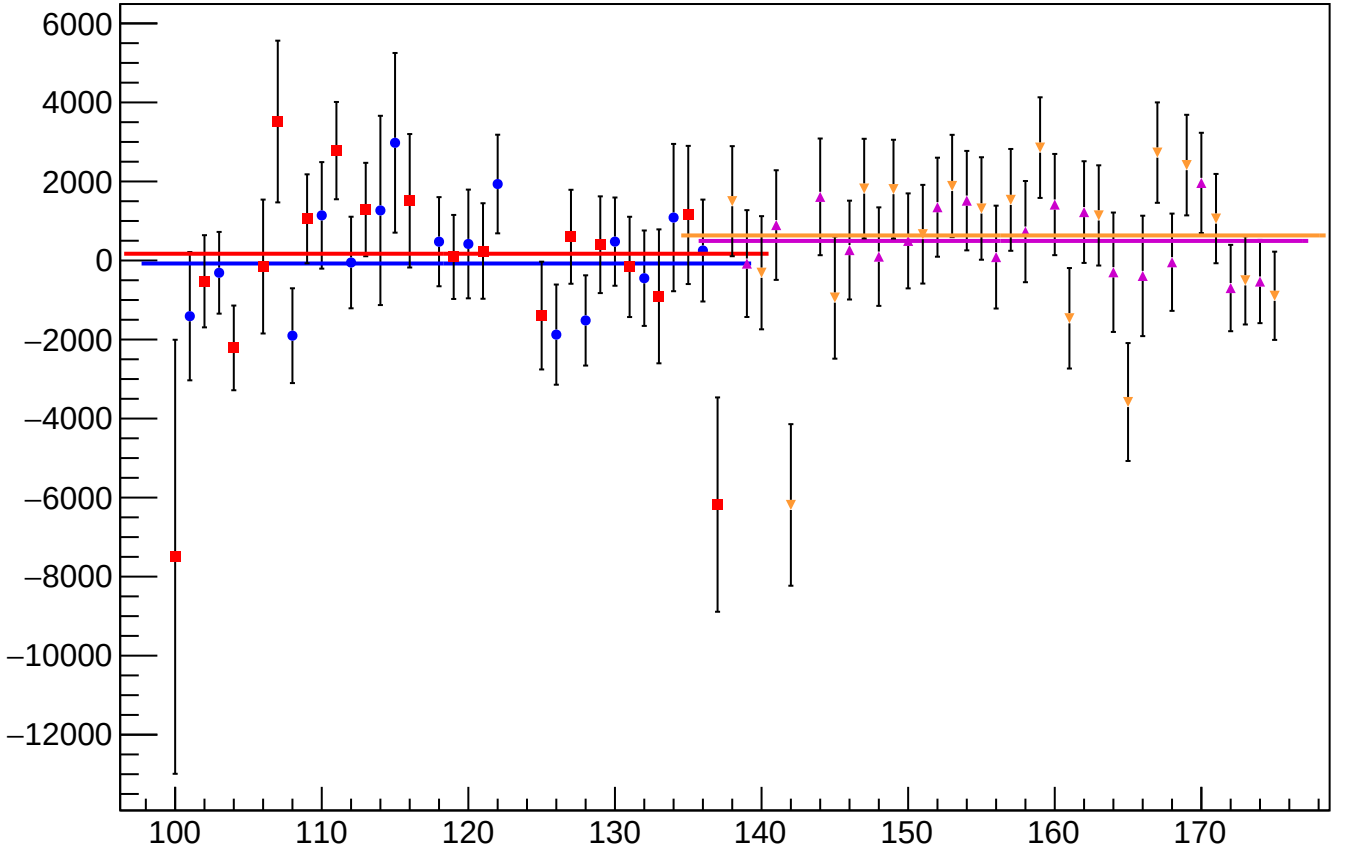
Left In: 3975.308+/-0.744 χ^2/NDF:1061171.1/17

+ sign 3221.007+/-0.505 χ^2/NDF: 3363219.2/34

All: 3160.582+/-0.352 χ^2/NDF: 7311341.5/70

- sign 3103.519+/-0.490 χ^2/NDF: 3920250.2/35

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 634.030+/-297.533 χ^2/NDF:38.1/18

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

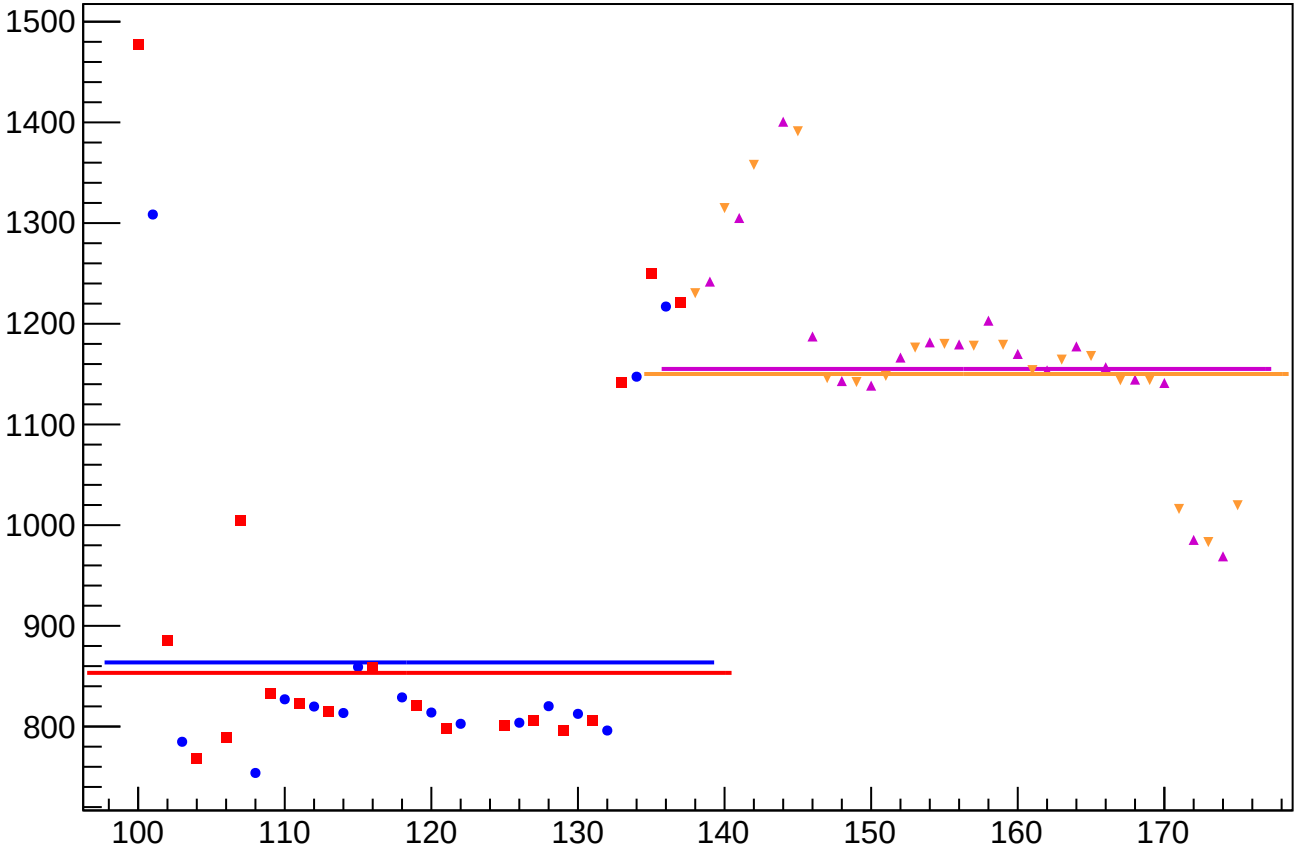
Left In: 494.907+/-300.516 χ^2/NDF:7.3/17

+ sign 311.598+/-219.833 χ^2/NDF: 54.0/34

All: 327.826+/-155.379 χ^2/NDF: 86.3/70

- sign 344.027+/-219.646 χ^2/NDF: 32.2/35

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1150.110+/-0.210 χ^2/NDF:207058.5/18

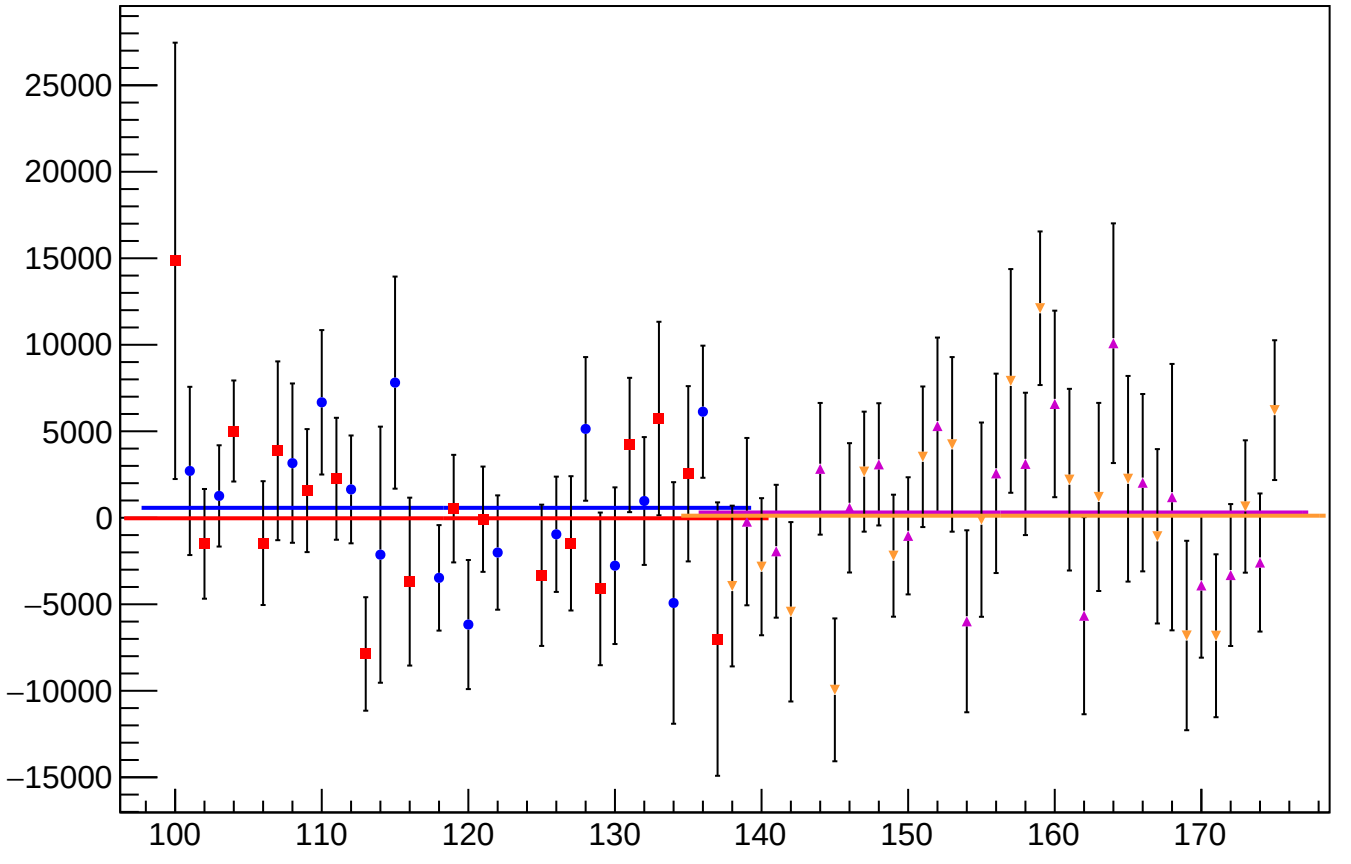
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1155.148+/-0.212 χ^2/NDF:205239.5/17

+ sign 1020.035+/-0.155 χ^2/NDF: 1456341.6/34

All: 1016.891+/-0.110 χ^2/NDF: 2882877.8/70

- sign 1013.768+/-0.155 χ^2/NDF: 1425721.0/35



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 120.308+/-1041.712 χ^2/NDF:26.0/18

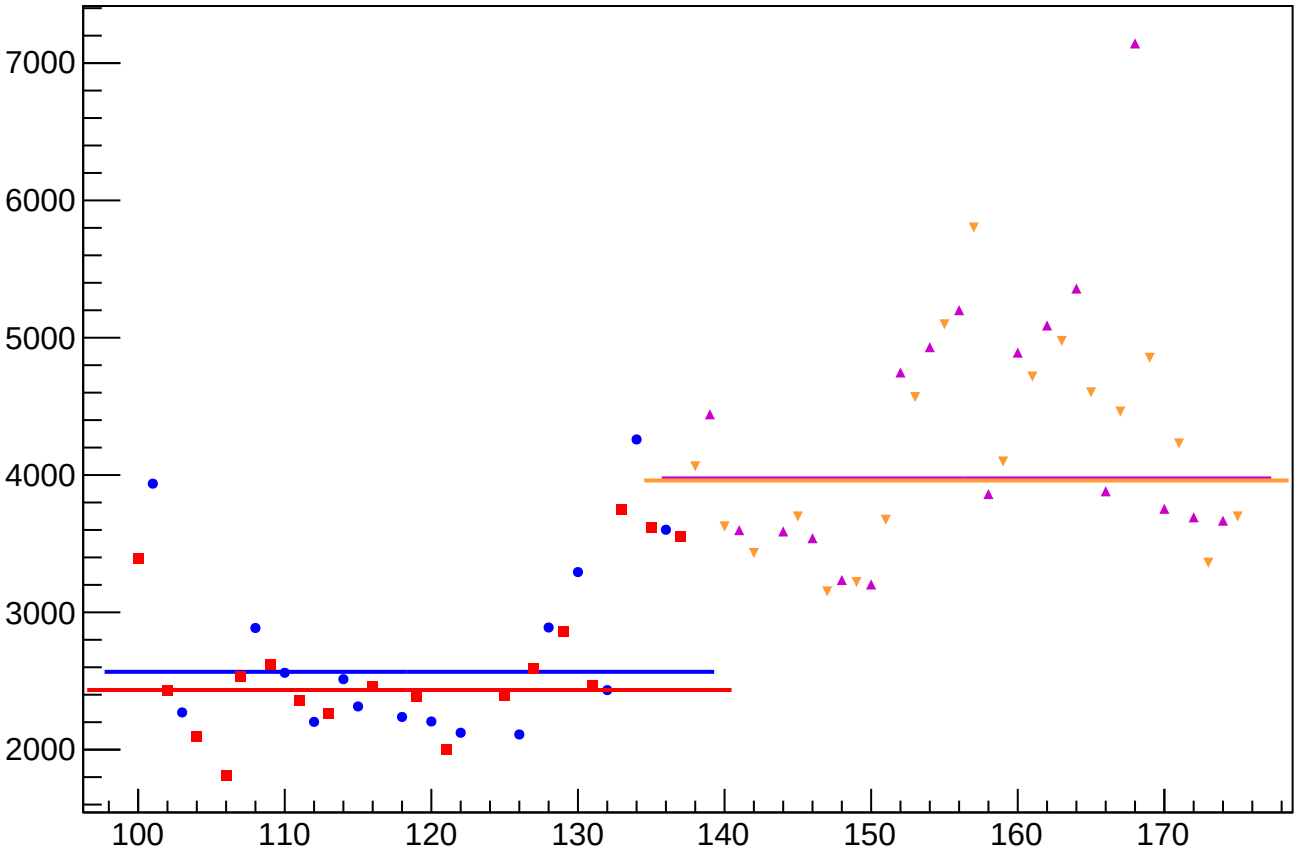
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 306.860+/-1052.566 χ^2/NDF:11.5/17

\+ sign 361.535+/-713.729 χ^2/NDF: 40.8/34

All: 235.802+/-497.412 χ^2/NDF: 69.5/70

\- sign 117.063+/-693.596 χ^2/NDF: 28.7/35



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3960.494+/-0.737 χ^2/NDF:797784.0/18

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

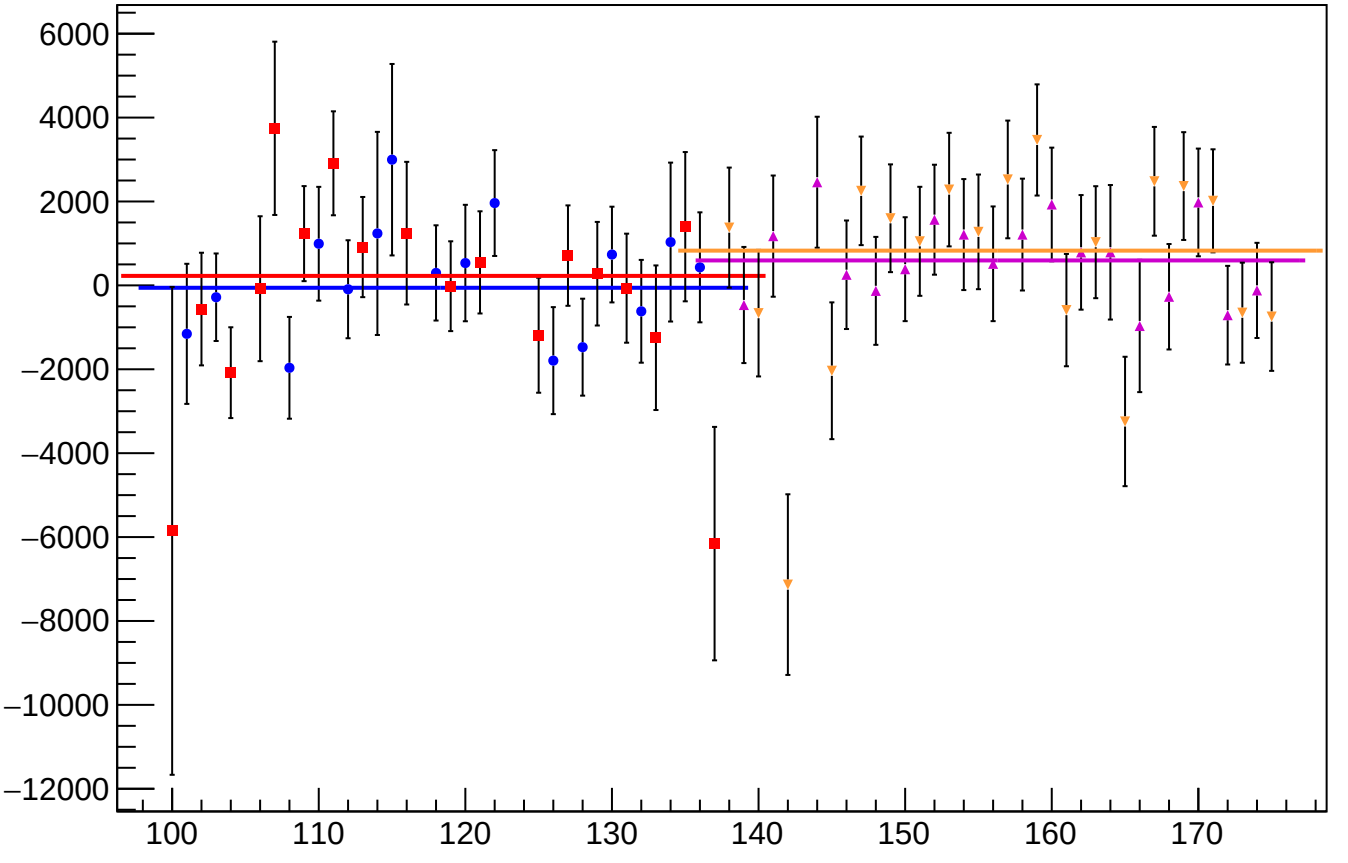
Left In: 3975.308+/-0.744 χ^2/NDF:1061171.1/17

+ sign 3221.007+/-0.505 χ^2/NDF: 3363219.2/34

All: 3160.582+/-0.352 χ^2/NDF: 7311341.5/70

- sign 3103.519+/-0.490 χ^2/NDF: 3920250.2/35

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 828.290+/-313.460 χ^2/NDF:41.3/18

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

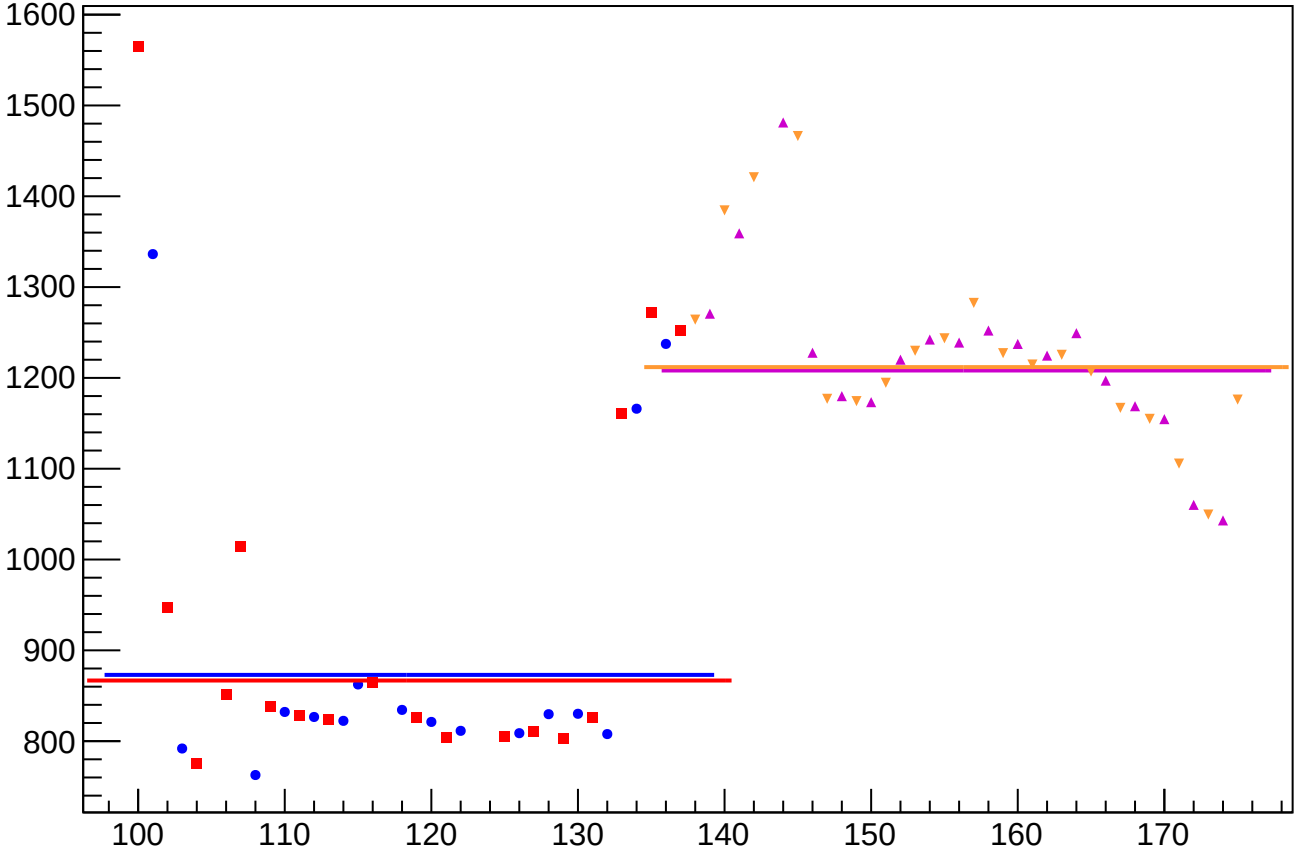
Left In: 594.625+/-314.212 χ^2/NDF:8.8/17

+ sign 408.405+/-227.301 χ^2/NDF: 58.1/34

All: 413.359+/-160.592 χ^2/NDF: 90.5/70

- sign 418.297+/-226.922 χ^2/NDF: 32.4/35

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1211.876+/-0.222 χ^2/NDF:166819.7/18

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

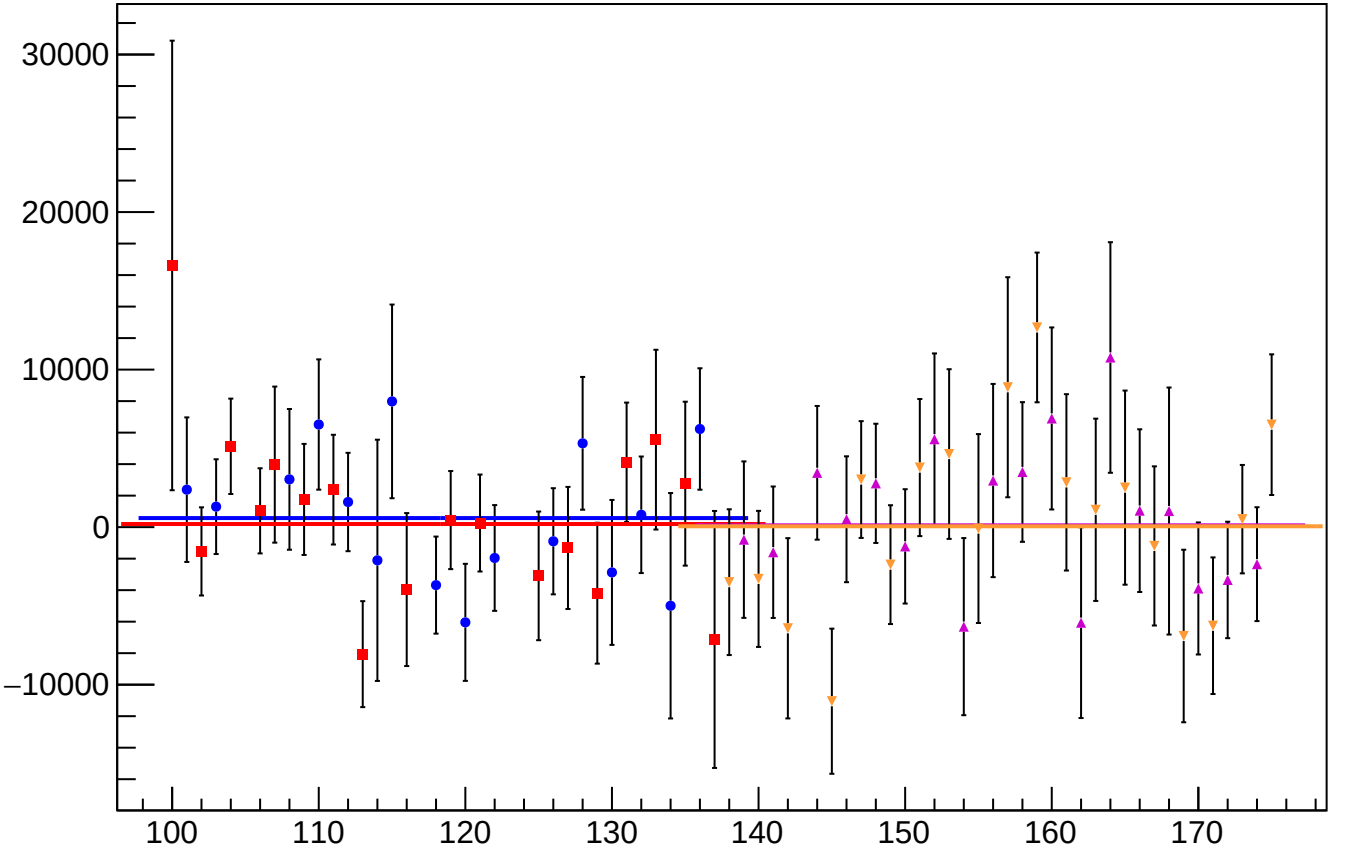
Left In: 1208.164+/-0.222 χ^2/NDF:176945.0/17

+ sign 1051.174+/-0.161 χ^2/NDF: 1692486.6/34

All: 1047.911+/-0.114 χ^2/NDF: 3291380.6/70

- sign 1044.661+/-0.160 χ^2/NDF: 1598071.2/35

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 54.160+/-1085.003 χ^2/NDF:25.8/18

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

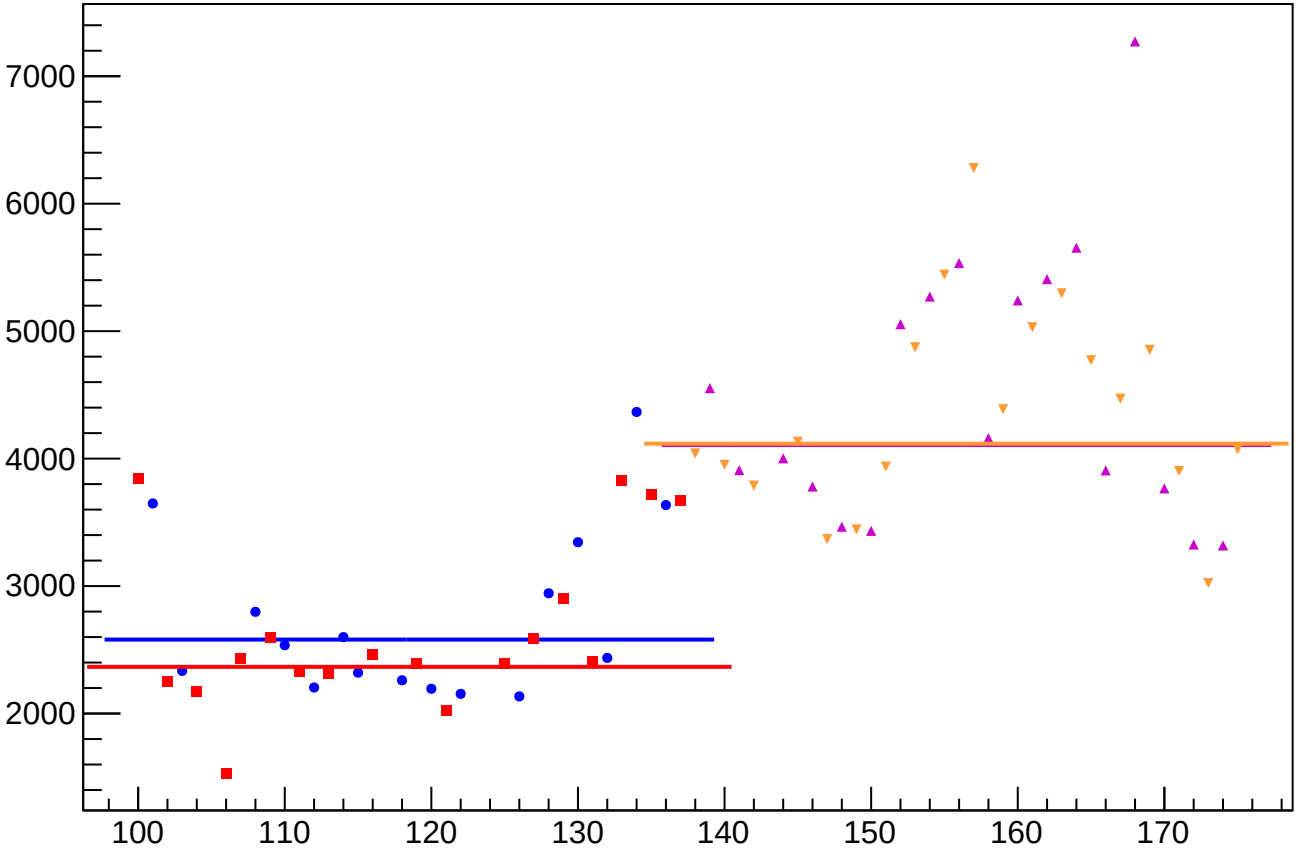
Left In: 115.271+/-1090.319 χ^2/NDF:11.4/17

+ sign 339.861+/-729.252 χ^2/NDF: 40.6/34

All: 247.618+/-501.733 χ^2/NDF: 69.2/70

- sign 164.708+/-691.376 χ^2/NDF: 28.6/35

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4117.207+/-0.767 χ^2/NDF:906249.6/18

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

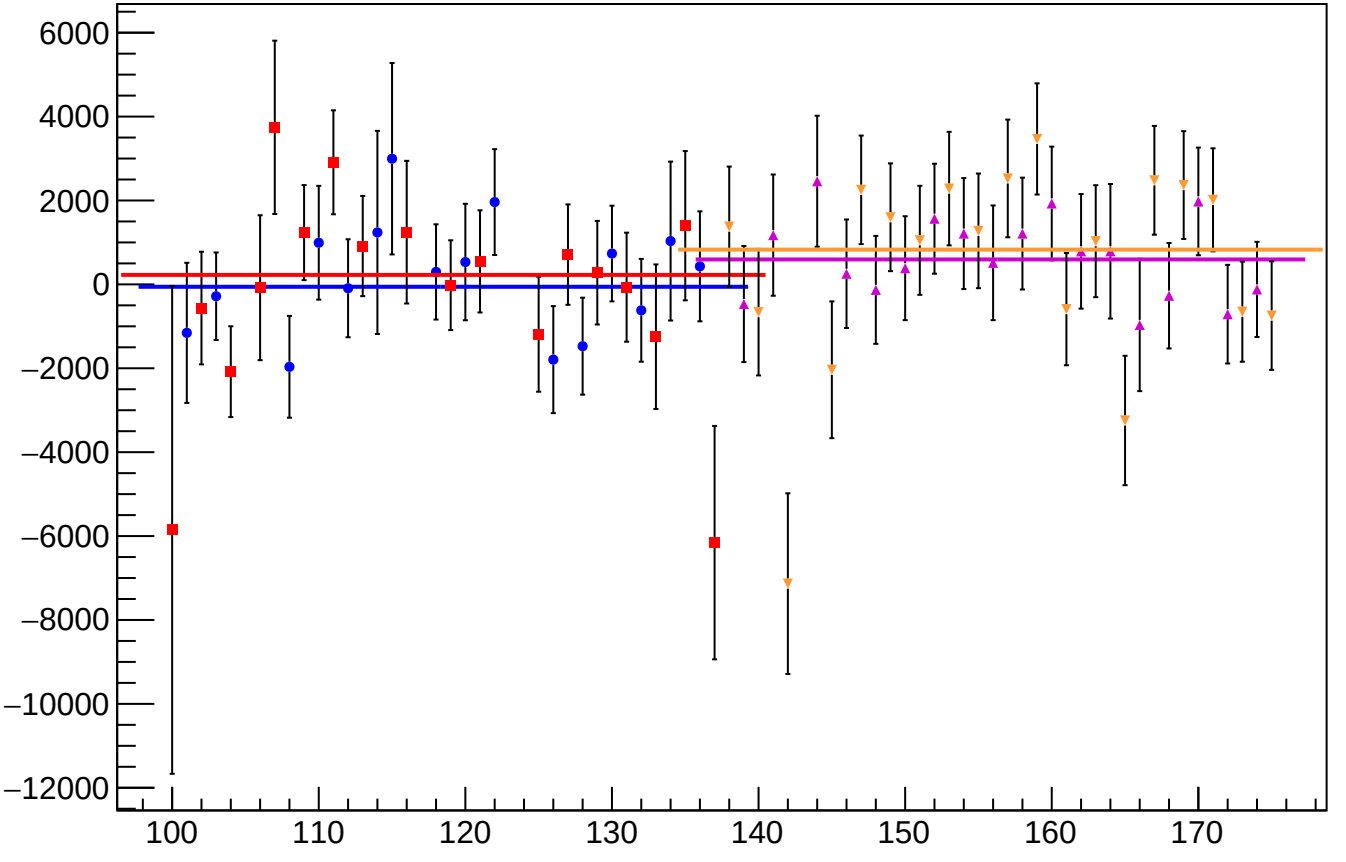
Left In: 4106.626+/-0.771 χ^2/NDF:1202350.3/17

+ sign 3274.633+/-0.516 χ^2/NDF: 3723300.8/34

All: 3164.828+/-0.355 χ^2/NDF: 8669689.2/70

- sign 3066.133+/-0.489 χ^2/NDF: 4860288.4/35

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 828.290+/-313.460 χ^2/NDF:41.3/18

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

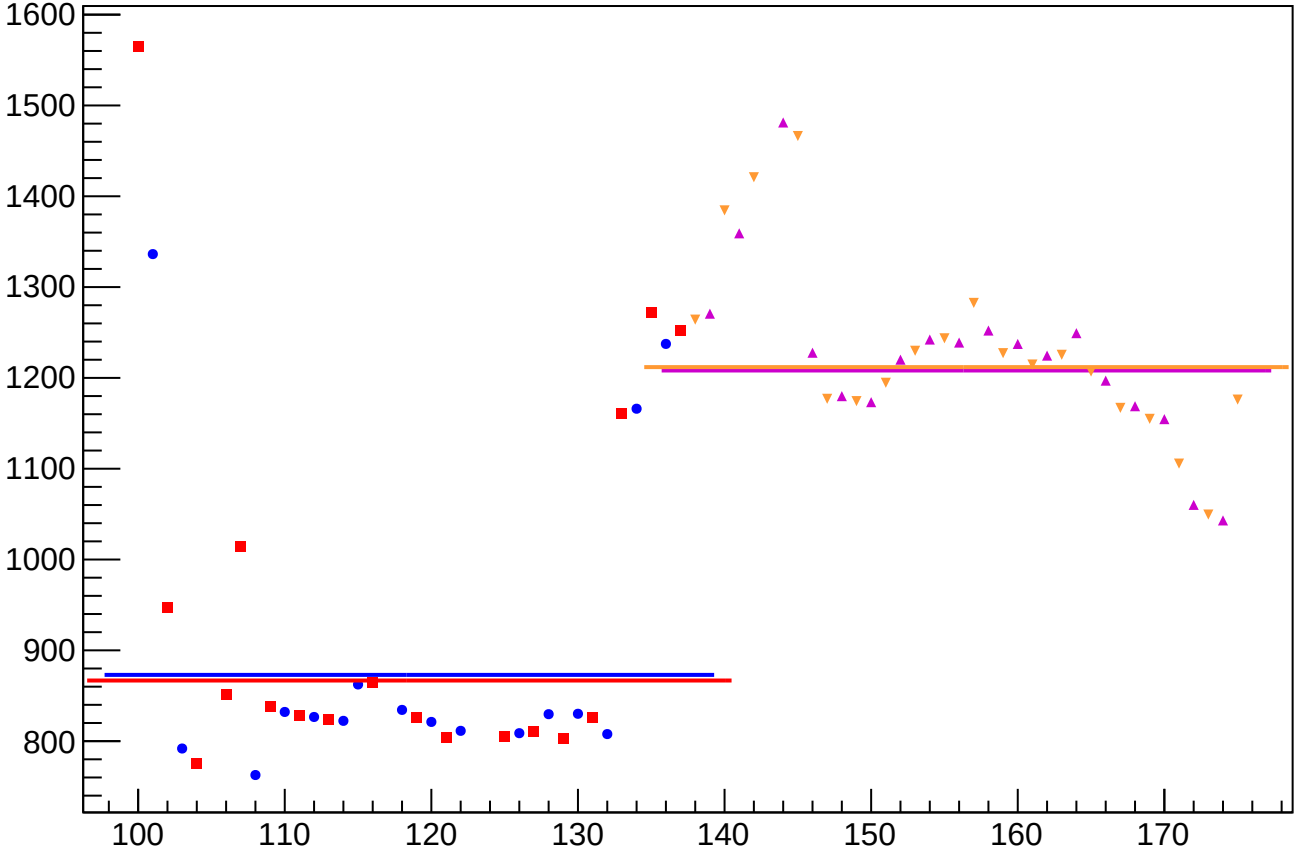
Left In: 594.622+/-314.212 χ^2/NDF:8.8/17

+ sign 408.404+/-227.301 χ^2/NDF: 58.1/34

All: 413.359+/-160.592 χ^2/NDF: 90.5/70

- sign 418.298+/-226.922 χ^2/NDF: 32.4/35

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1211.876+/-0.222 χ^2/NDF:166826.7/18

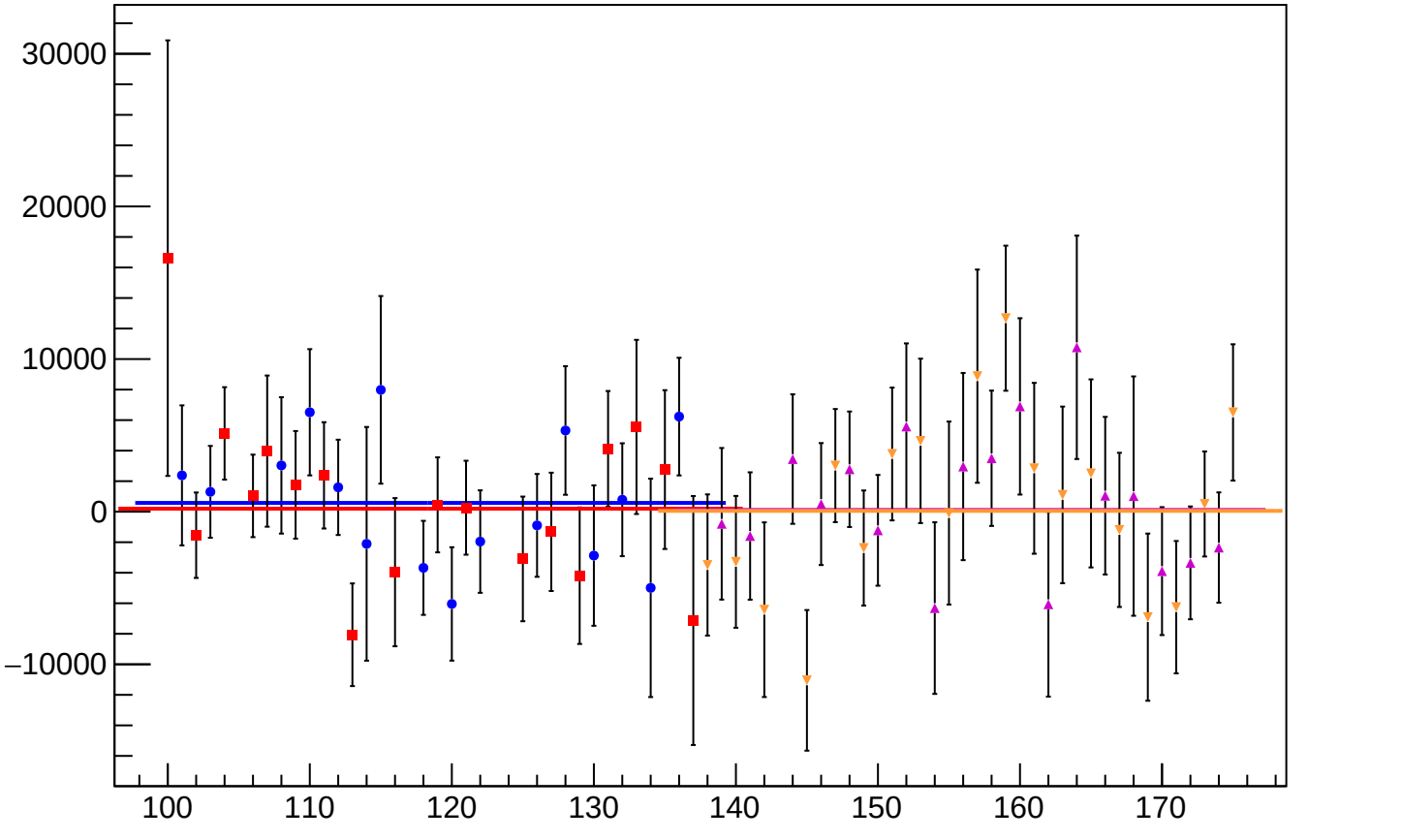
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1208.164+/-0.222 χ^2/NDF:176951.9/17

+ sign 1051.174+/-0.161 χ^2/NDF: 1692493.9/34

All: 1047.911+/-0.114 χ^2/NDF: 3291395.5/70

- sign 1044.662+/-0.160 χ^2/NDF: 1598078.9/35



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 54.161+/-1085.005 χ^2/NDF:25.8/18

Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

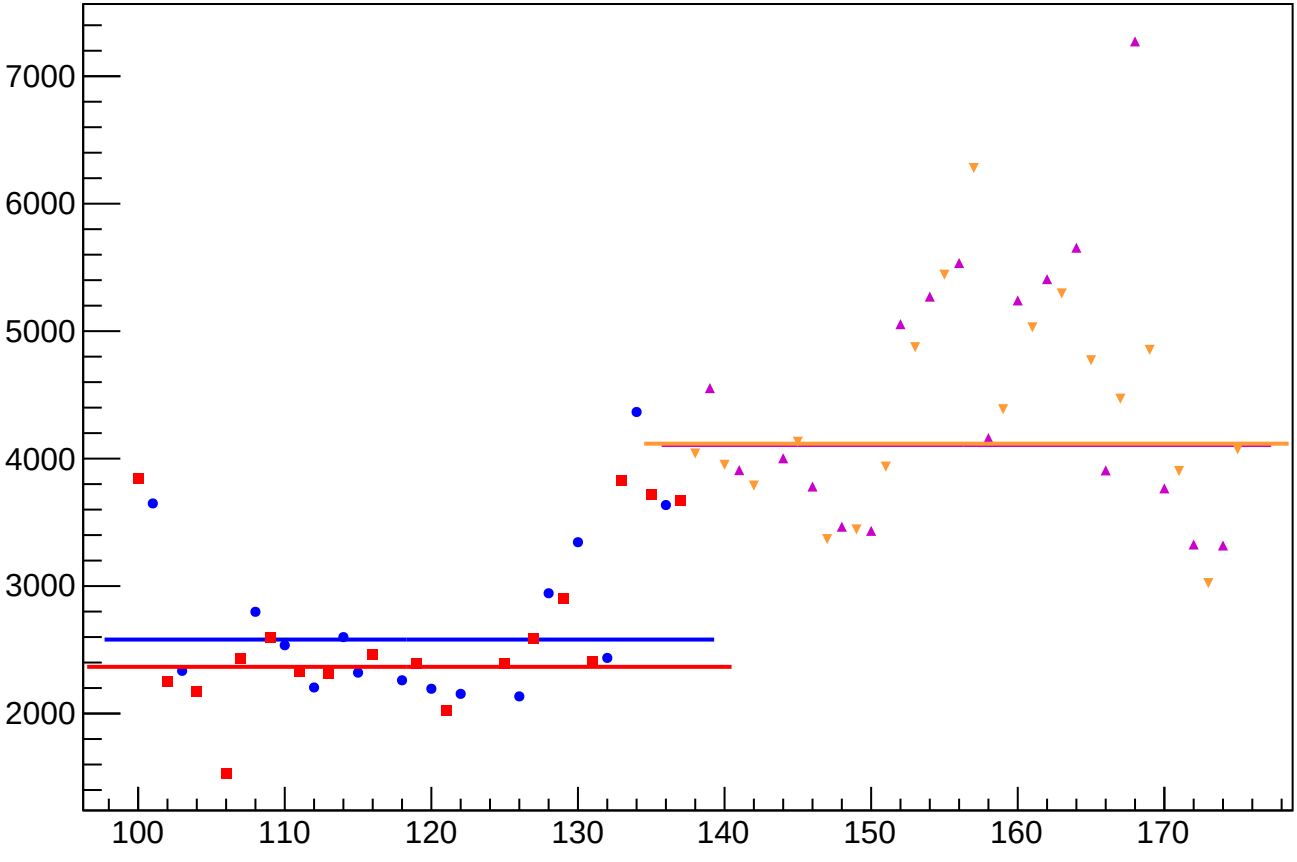
Left In: 115.271+/-1090.320 χ^2/NDF:11.4/17

\+ sign 339.861+/-729.252 χ^2/NDF: 40.6/34

All: 247.618+/-501.732 χ^2/NDF: 69.2/70

\- sign 164.709+/-691.376 χ^2/NDF: 28.6/35

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4117.215+/-0.767 χ^2/NDF:906247.7/18

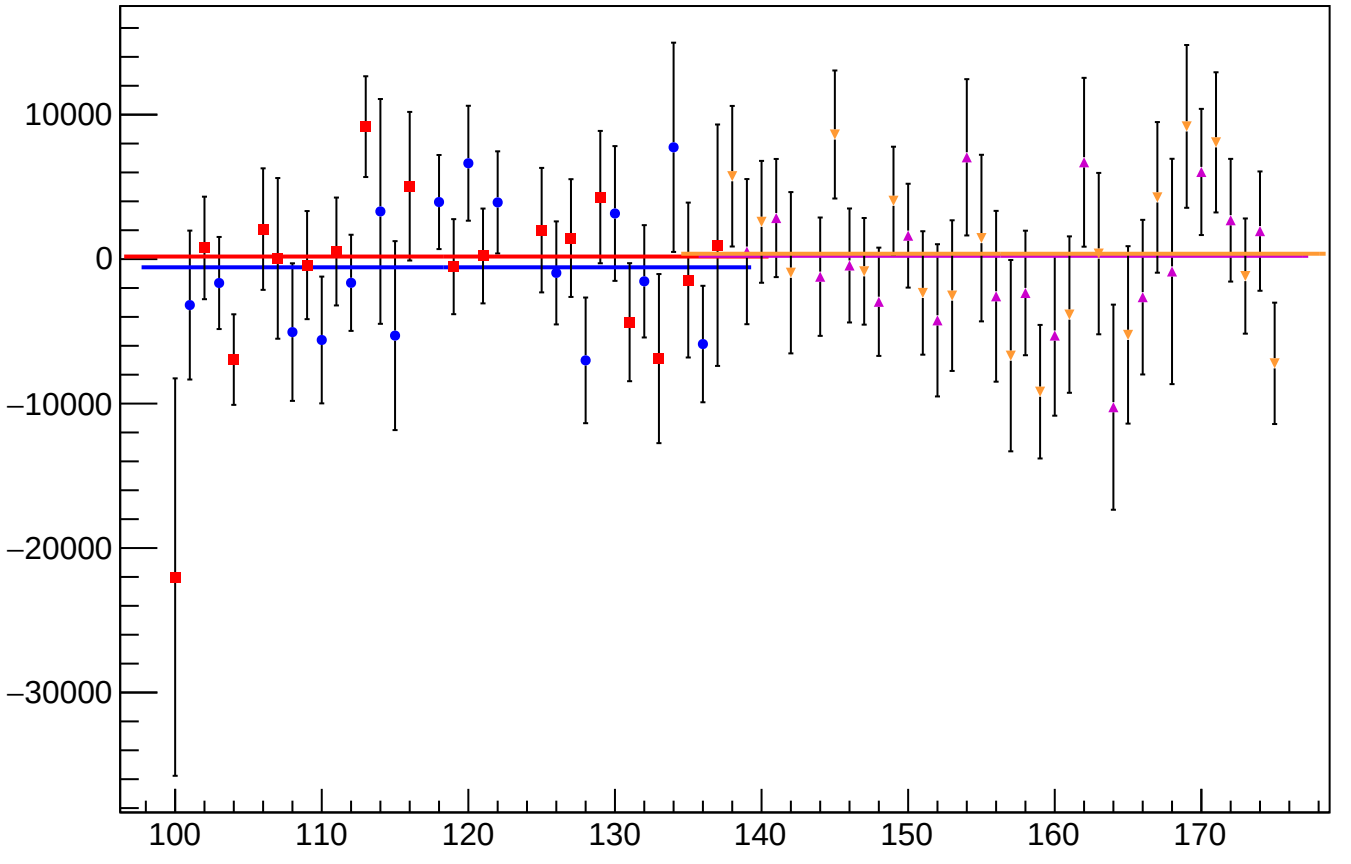
Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4106.633+/-0.771 χ^2/NDF:1202350.0/17

+ sign 3274.629+/-0.516 χ^2/NDF: 3723354.7/34

All: 3164.823+/-0.355 χ^2/NDF: 8669795.9/70

- sign 3066.128+/-0.489 χ^2/NDF: 4860340.9/35



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 372.537+/-1090.775 χ^2/NDF:22.6/18

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

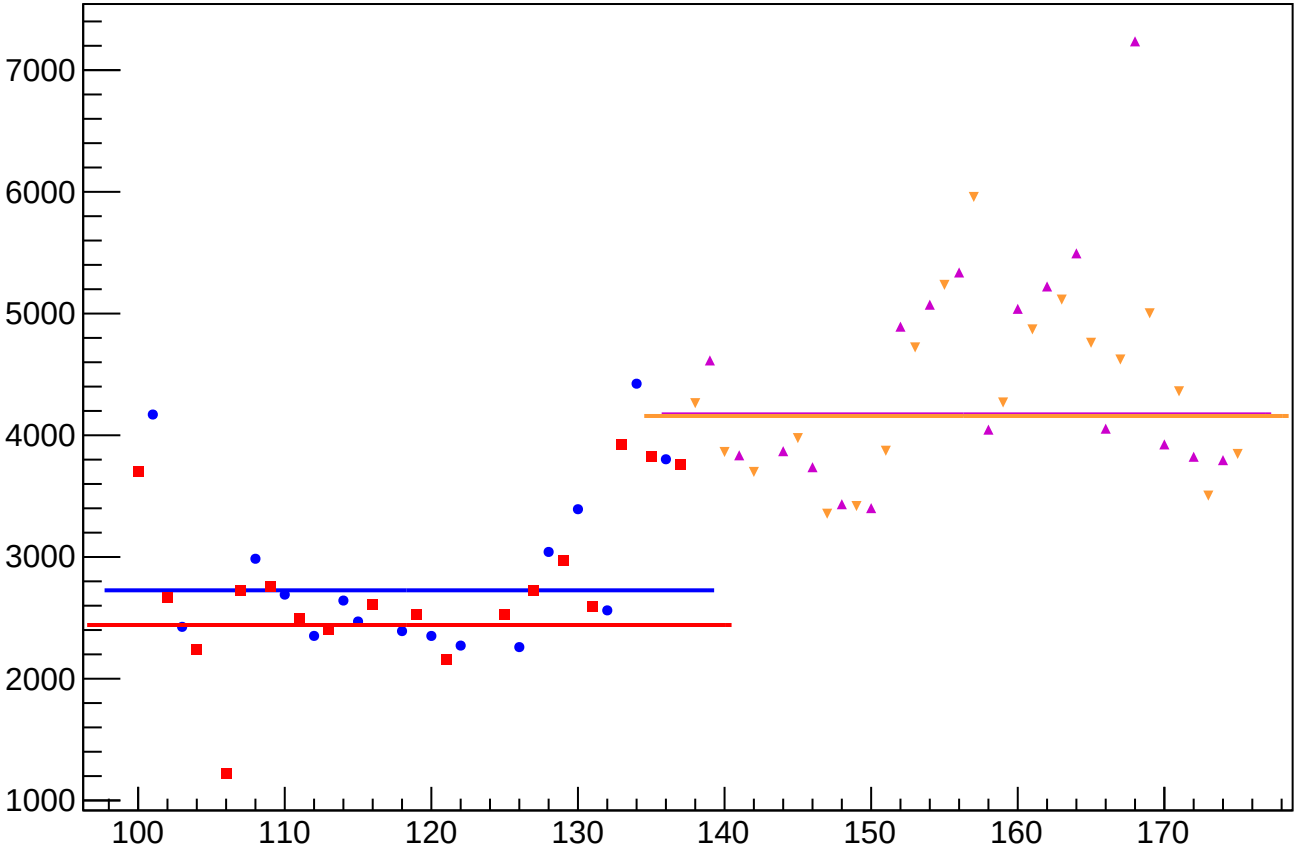
Left In: 228.539+/-1101.675 χ^2/NDF:11.3/17

\+ sign -118.993+/-752.820 χ^2/NDF: 39.2/34

All: 44.614+/-526.167 χ^2/NDF: 70.1/70

\- sign 200.863+/-735.700 χ^2/NDF: 30.8/35

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4158.571+/-0.771 χ^2/NDF:692753.0/18

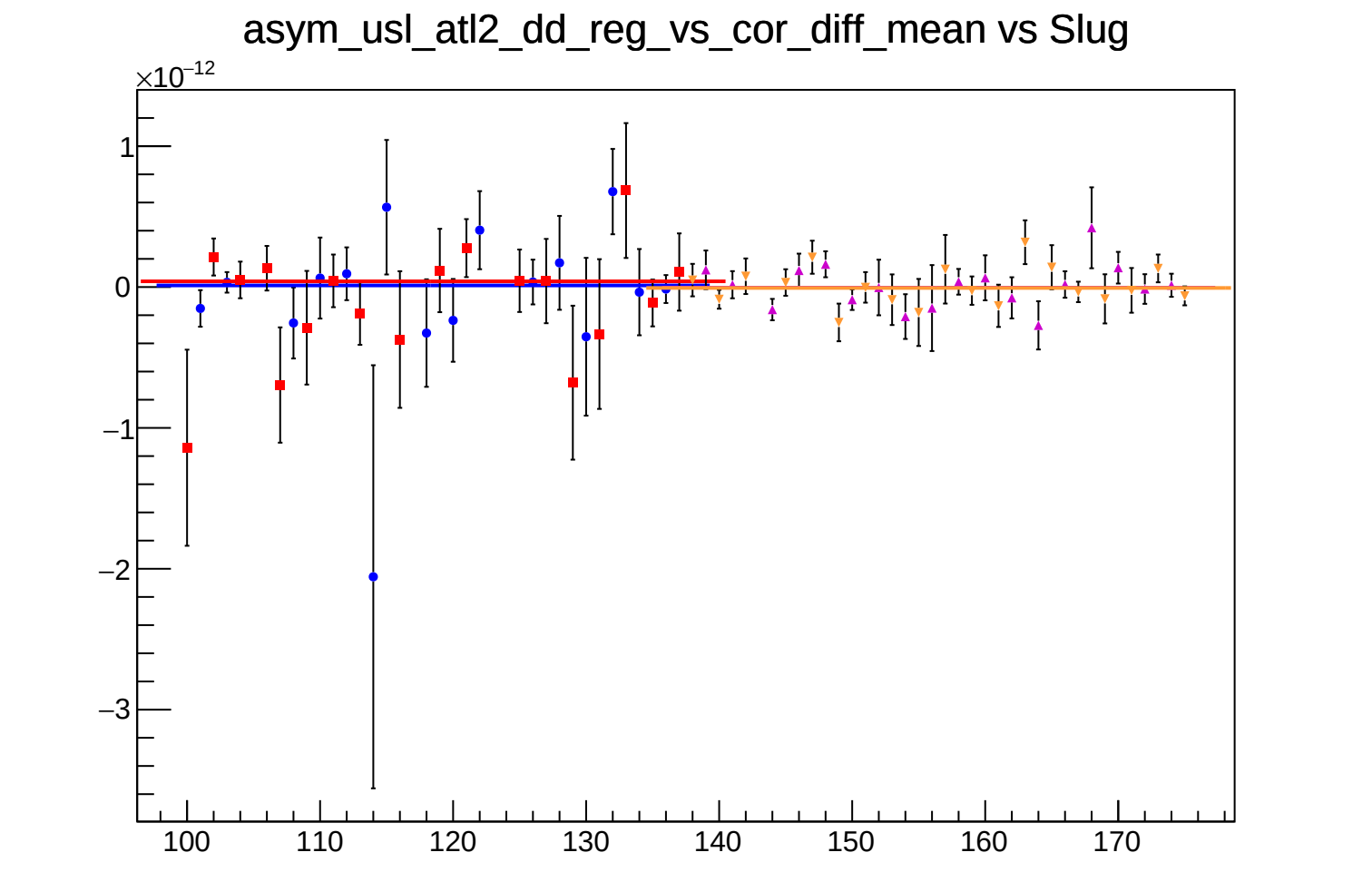
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4171.777+/-0.779 χ^2/NDF:935158.6/17

\+ sign 3408.503+/-0.532 χ^2/NDF: 3121784.0/34

All: 3285.069+/-0.367 χ^2/NDF: 7897805.0/70

\- sign 3173.263+/-0.507 χ^2/NDF: 4673551.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/18

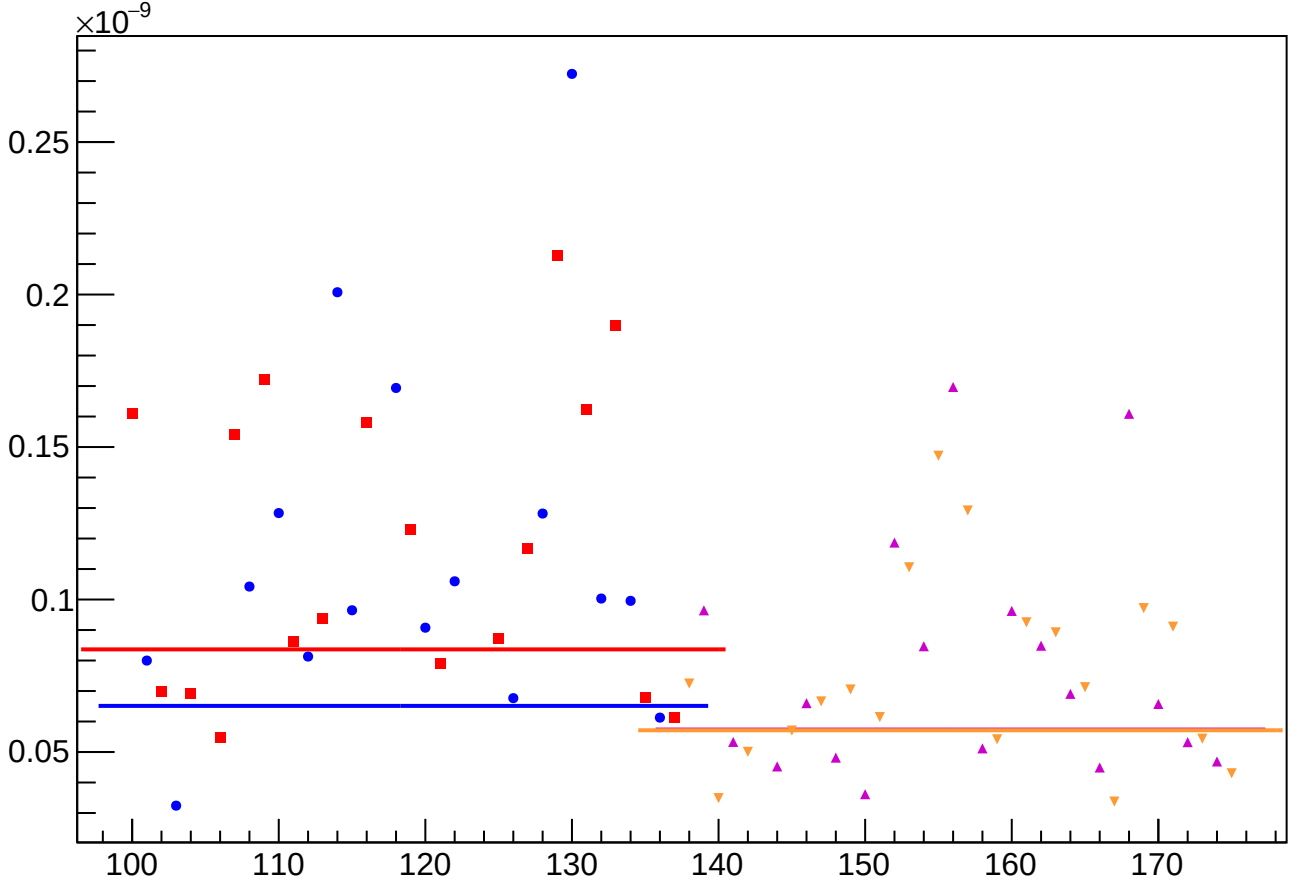
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:19.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 34.7/34

All: 0.000+/-0.000 χ^2/NDF: 71.9/70

- sign 0.000+/-0.000 χ^2/NDF: 37.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1645579.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

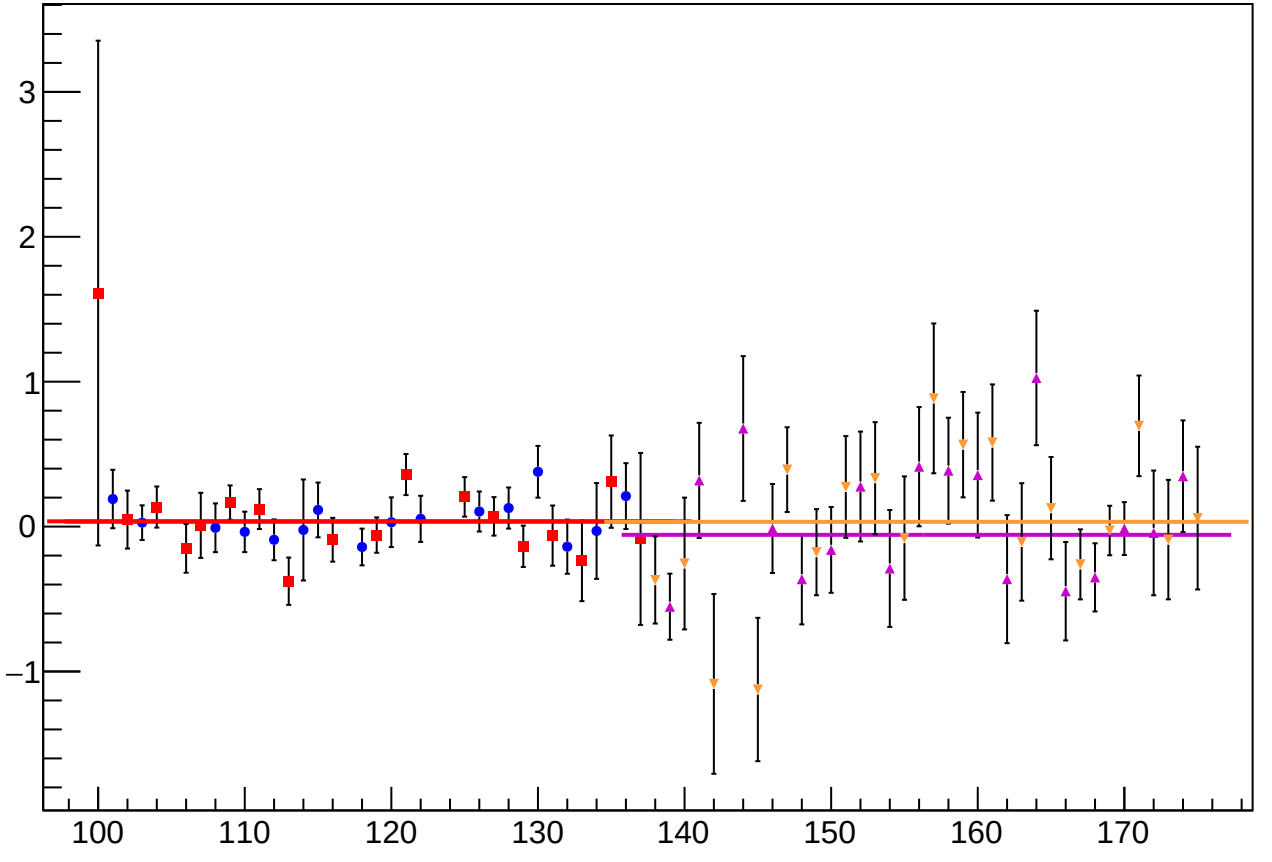
Left In: 0.000+/-0.000 χ^2/NDF:1486931.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 2917725.4/34

All: 0.000+/-0.000 χ^2/NDF: 5509780.9/70

- sign 0.000+/-0.000 χ^2/NDF: 2570459.9/35

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.033+/-0.077 χ^2/NDF:26.3/18

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

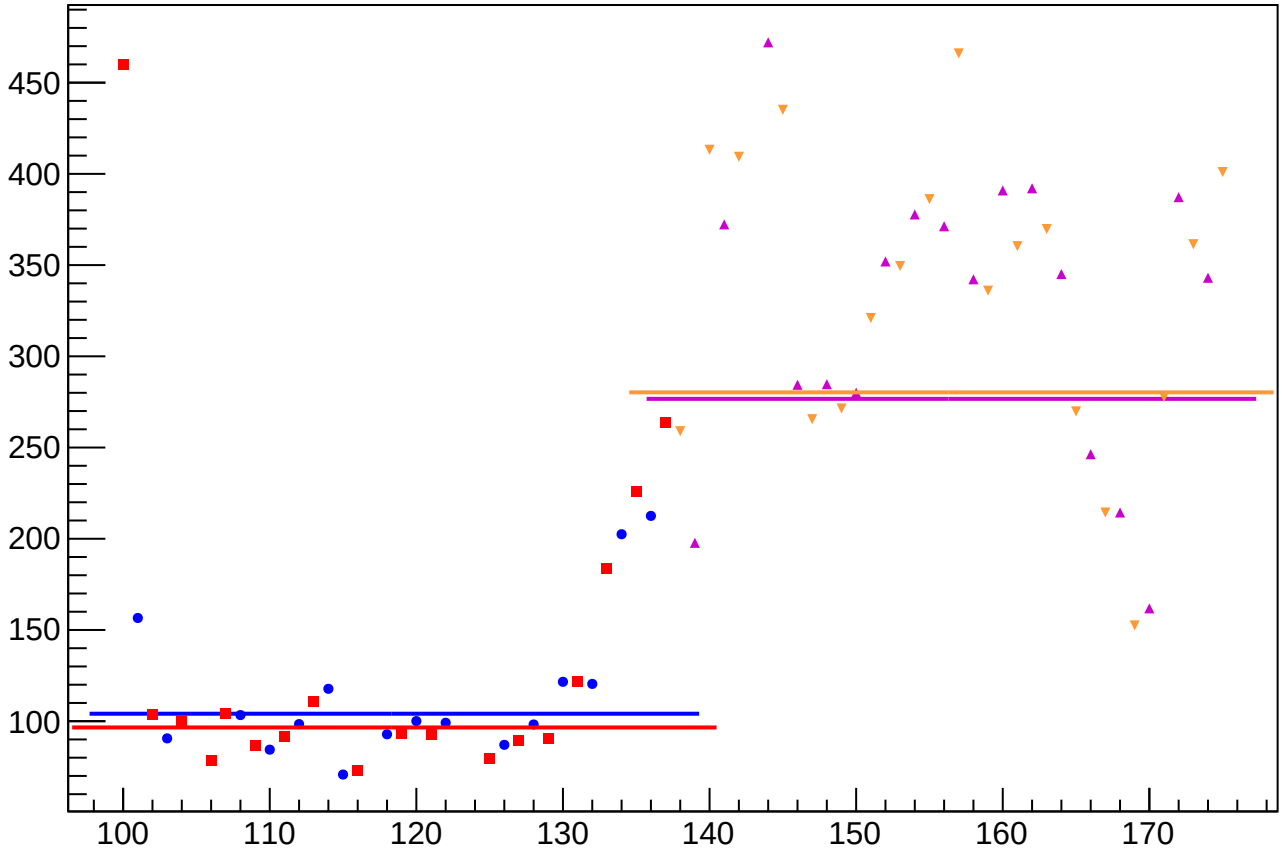
Left In: -0.057+/-0.076 χ^2/NDF:23.6/17

+ sign 0.035+/-0.036 χ^2/NDF: 36.1/34

All: 0.025+/-0.025 χ^2/NDF: 83.0/70

- sign 0.017+/-0.035 χ^2/NDF: 46.9/35

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: 280.238+/-0.055 χ^2/NDF:2635964.9/18

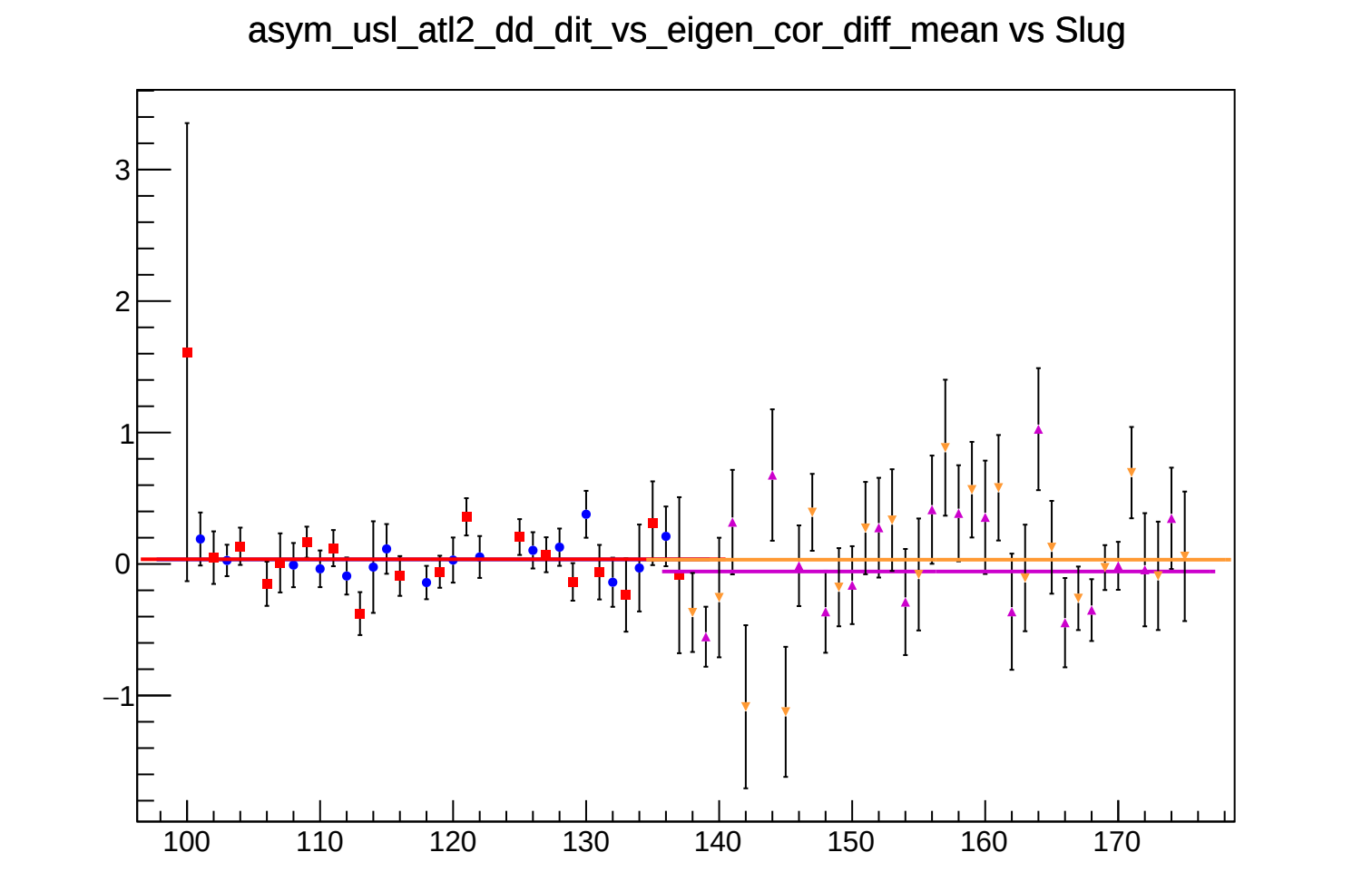
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 276.683+/-0.054 χ^2/NDF:2498197.5/17

+ sign 142.801+/-0.026 χ^2/NDF: 11724107.6/34

All: 138.113+/-0.018 χ^2/NDF: 24112380.3/70

- sign 133.831+/-0.024 χ^2/NDF: 12324263.1/35



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.033+/-0.077 χ^2/NDF:26.3/18

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

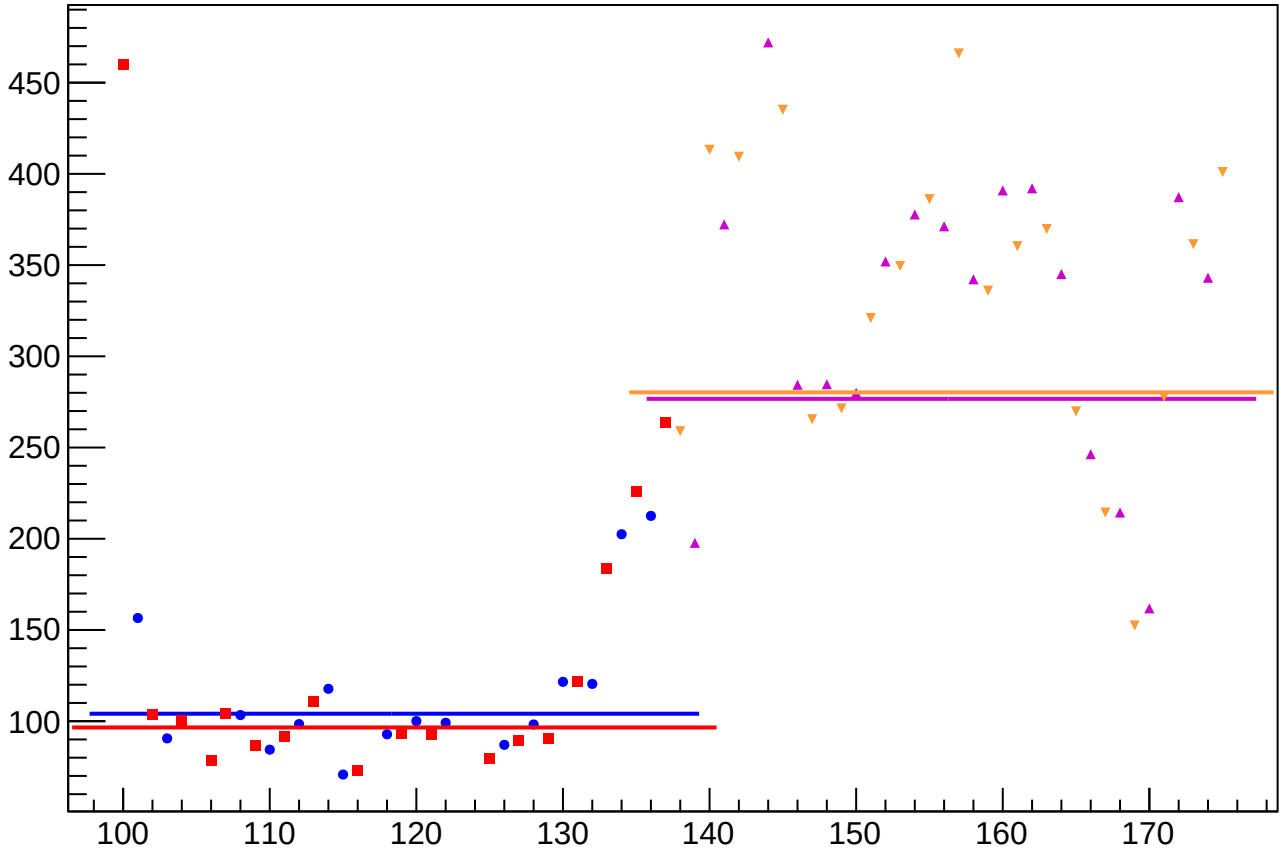
Left In: -0.057+/-0.076 χ^2/NDF:23.6/17

+ sign 0.035+/-0.036 χ^2/NDF: 36.1/34

All: 0.025+/-0.025 χ^2/NDF: 83.0/70

- sign 0.017+/-0.035 χ^2/NDF: 46.9/35

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: 280.238+/-0.055 χ^2/NDF:2635964.9/18

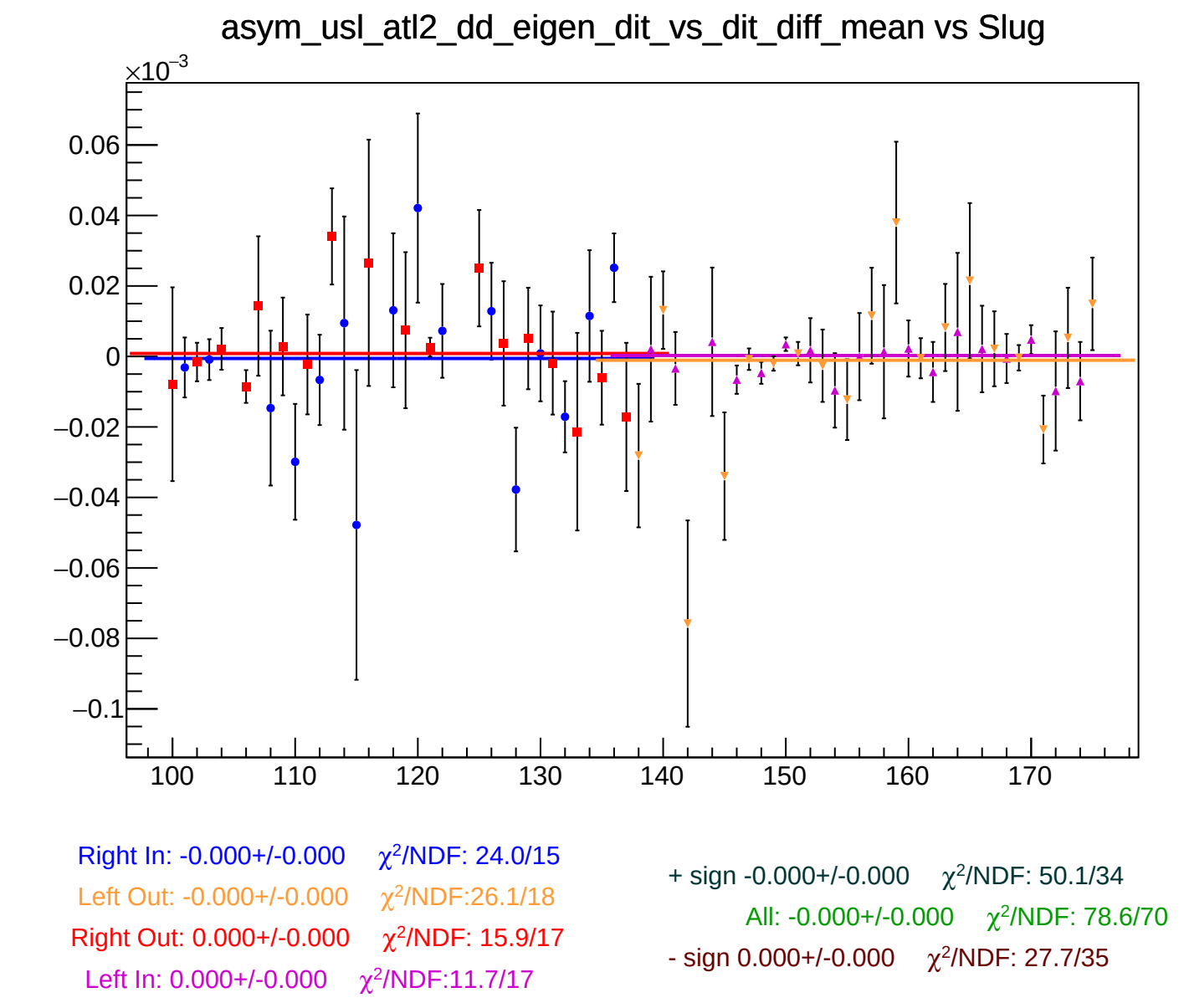
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

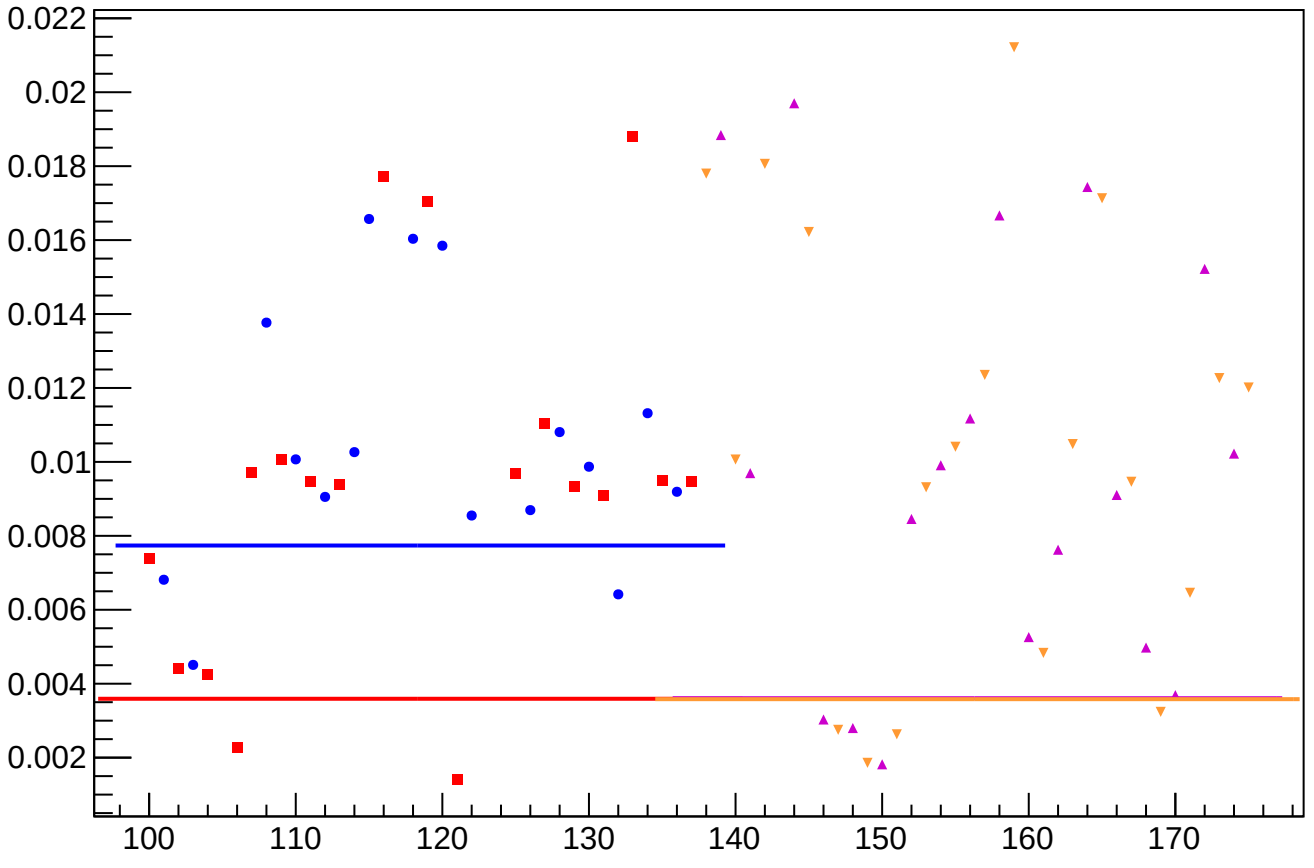
Left In: 276.683+/-0.054 χ^2/NDF:2498197.5/17

+ sign 142.801+/-0.026 χ^2/NDF: 11724107.6/34

All: 138.113+/-0.018 χ^2/NDF: 24112380.3/70

- sign 133.831+/-0.024 χ^2/NDF: 12324263.1/35


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:26.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: 0.000+/-0.000 χ²/NDF:11.7/17
+ sign -0.000+/-0.000 χ²/NDF: 50.1/34
All: -0.000+/-0.000 χ²/NDF: 78.6/70
- sign 0.000+/-0.000 χ²/NDF: 27.7/35



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:12070436.3/18

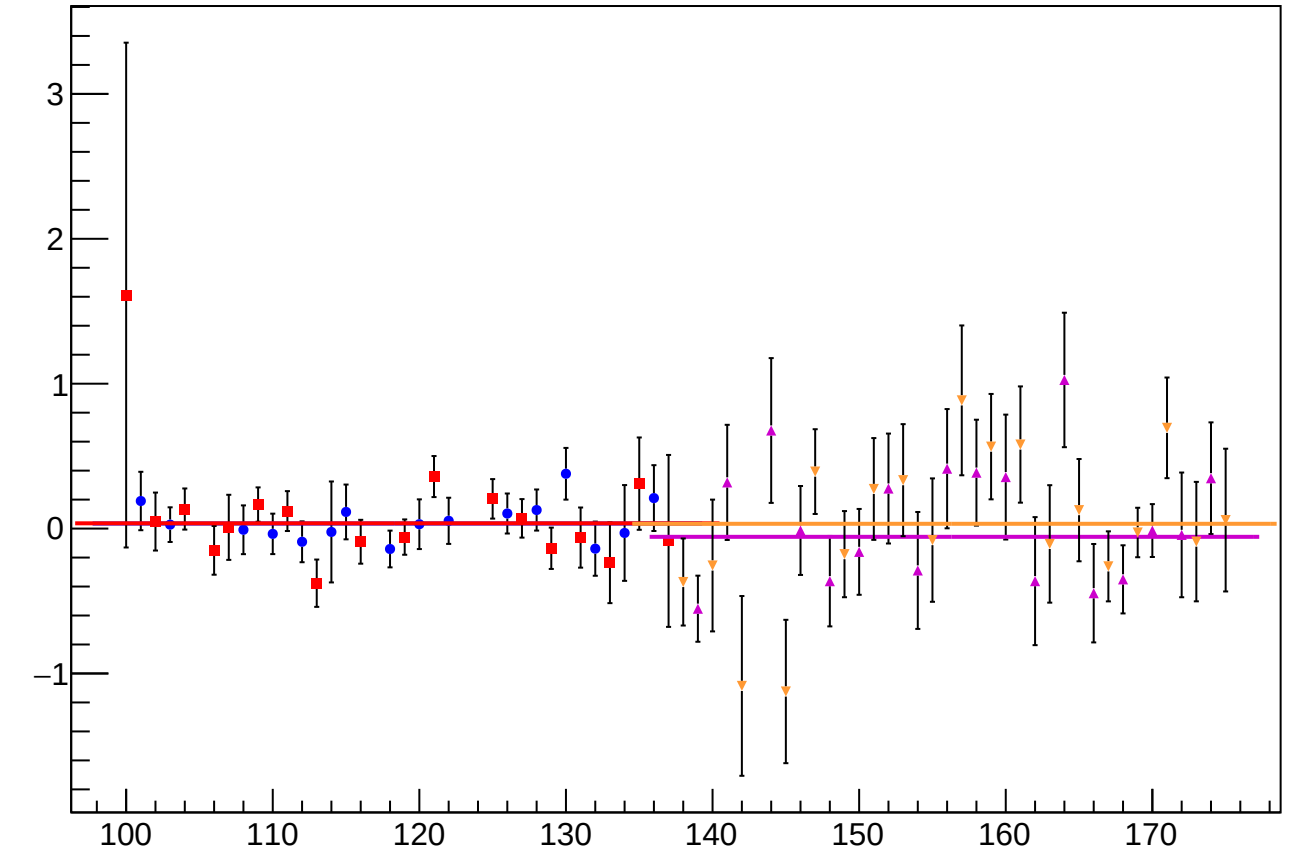
Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:11262711.6/17

+ sign 0.004+/-0.000 χ^2/NDF: 16834355.0/34

All: 0.004+/-0.000 χ^2/NDF: 34722495.5/70

- sign 0.004+/-0.000 χ^2/NDF: 17627692.0/35



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.033+/-0.077 χ^2/NDF:26.3/18

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

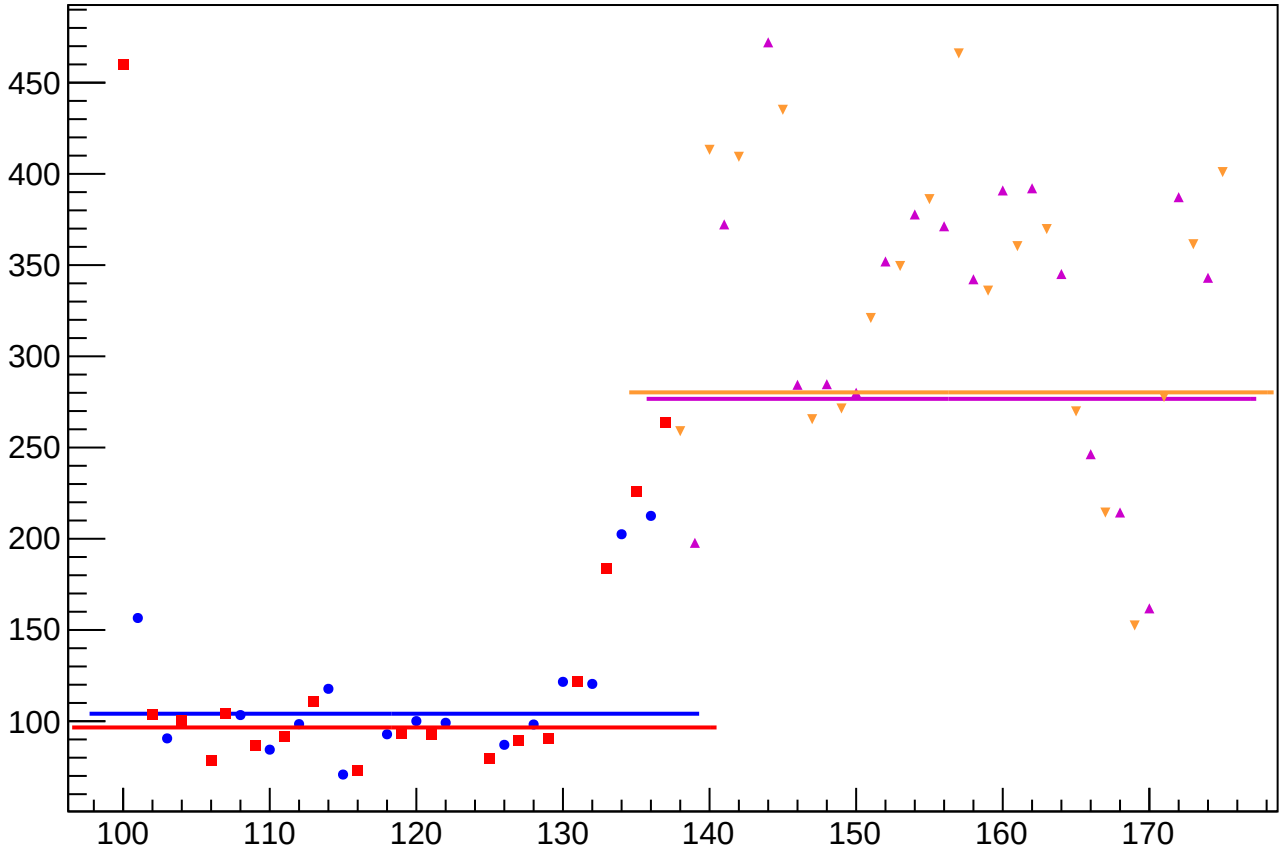
Left In: -0.057+/-0.076 χ^2/NDF:23.6/17

+ sign 0.035+/-0.036 χ^2/NDF: 36.1/34

All: 0.025+/-0.025 χ^2/NDF: 83.1/70

- sign 0.017+/-0.035 χ^2/NDF: 46.9/35

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 280.239+/-0.055 χ^2/NDF:2636009.1/18

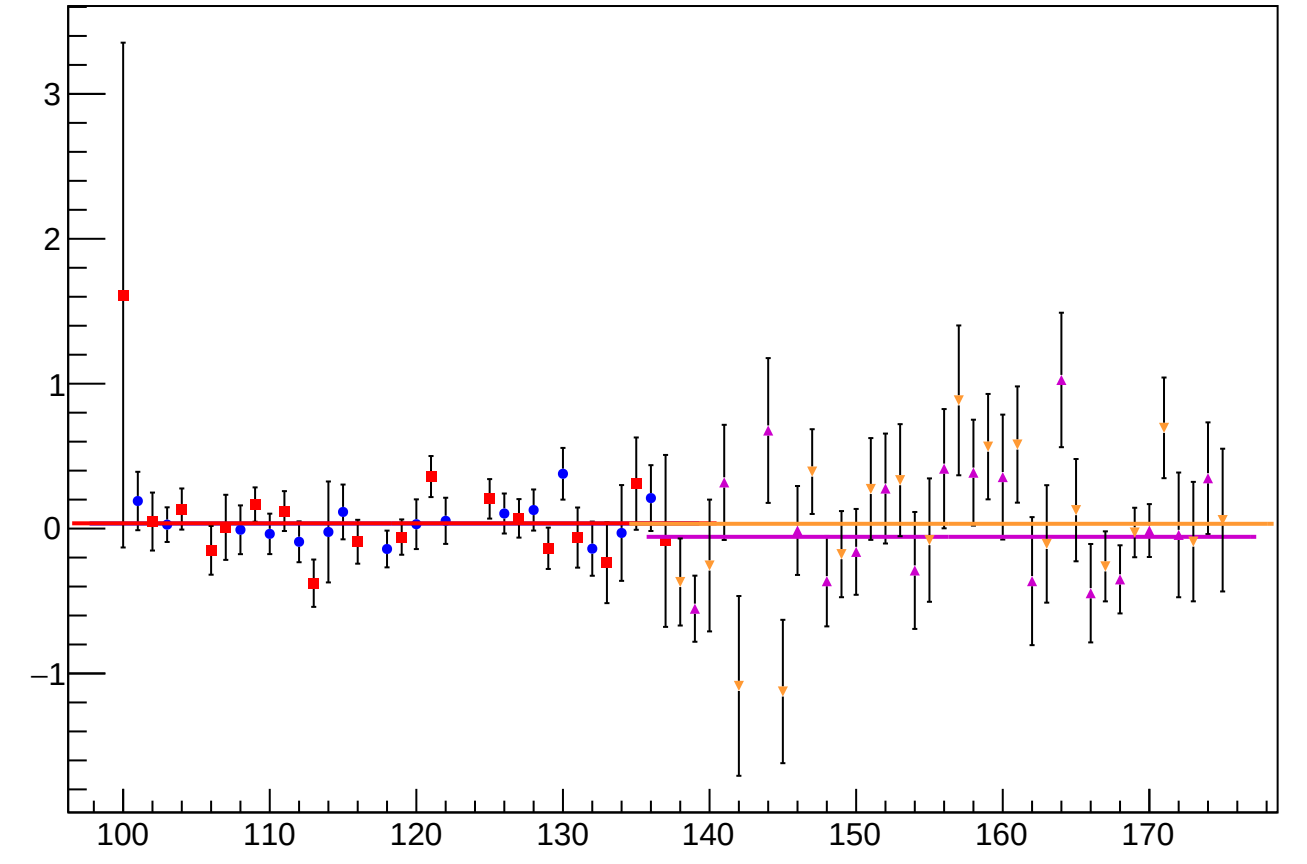
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 276.686+/-0.054 χ^2/NDF:2498152.4/17

+ sign 142.802+/-0.026 χ^2/NDF: 11724075.5/34

All: 138.115+/-0.018 χ^2/NDF: 24112223.9/70

- sign 133.833+/-0.024 χ^2/NDF: 12324148.1/35



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.033+/-0.077 χ^2/NDF:26.3/18

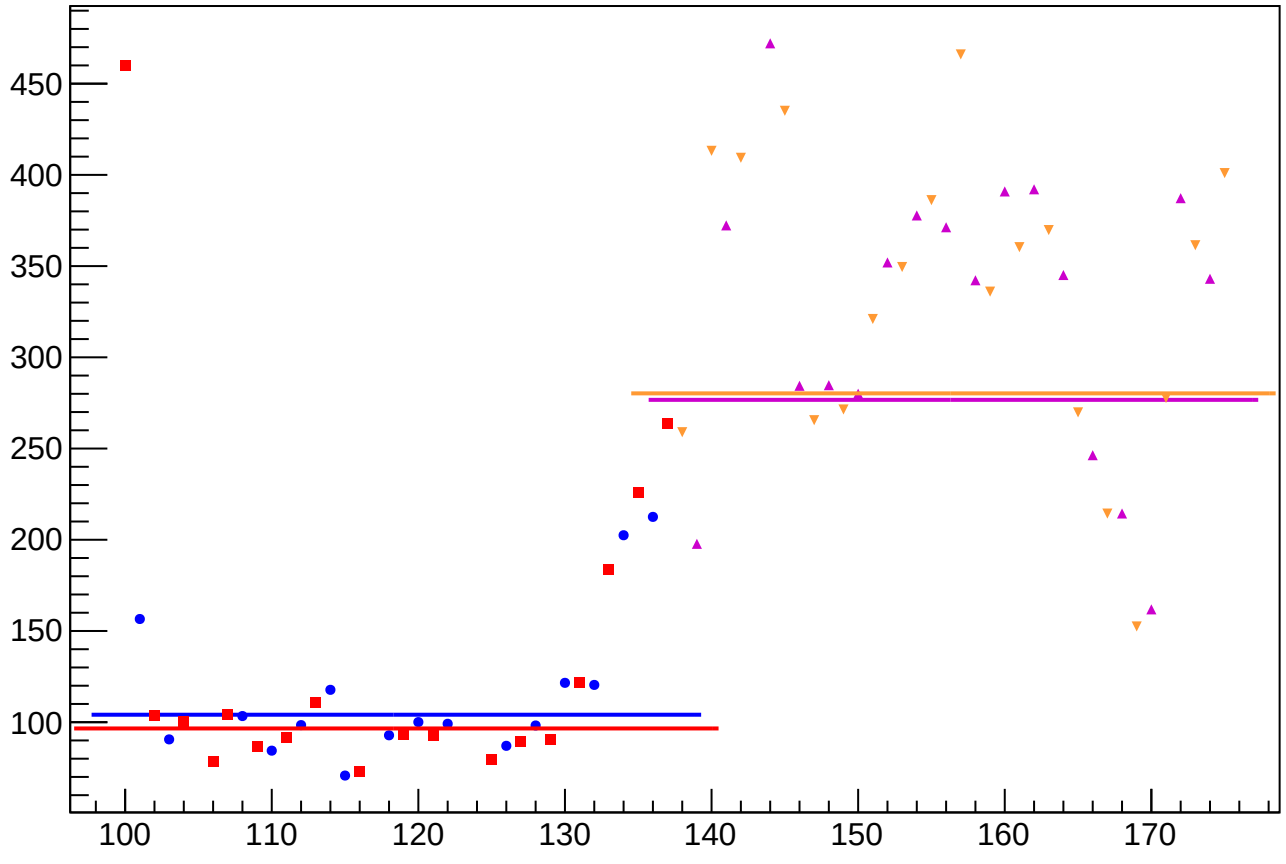
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.057+/-0.076 χ^2/NDF:23.6/17

\+ sign 0.035+/-0.036 χ^2/NDF: 36.1/34

All: 0.025+/-0.025 χ^2/NDF: 83.1/70

\- sign 0.017+/-0.035 χ^2/NDF: 46.9/35



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 280.239+/-0.055 χ^2/NDF:2636009.1/18

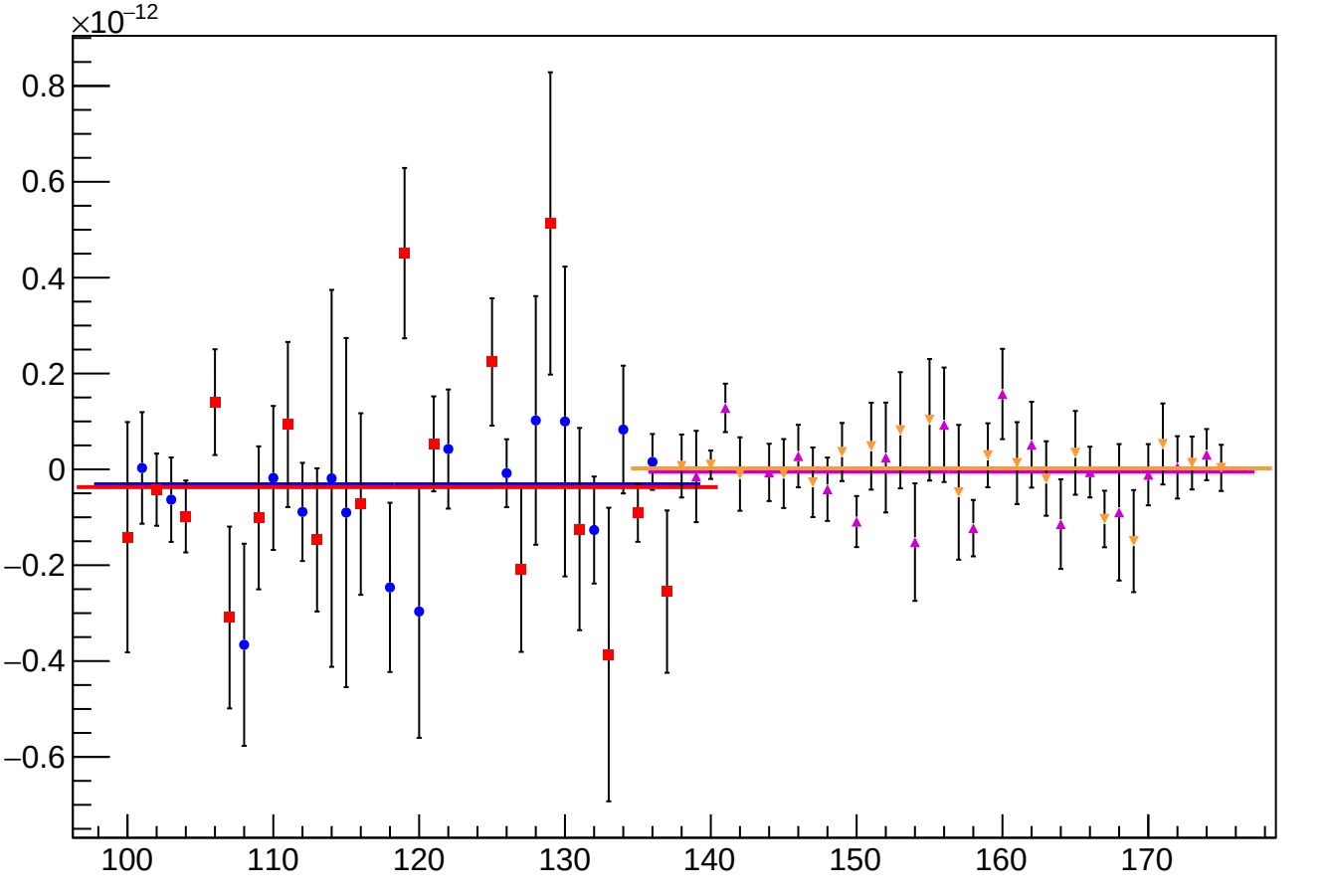
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 276.686+/-0.054 χ^2/NDF:2498152.4/17

+ sign 142.802+/-0.026 χ^2/NDF: 11724075.5/34

All: 138.115+/-0.018 χ^2/NDF: 24112223.9/70

- sign 133.833+/-0.024 χ^2/NDF: 12324148.1/35



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/18

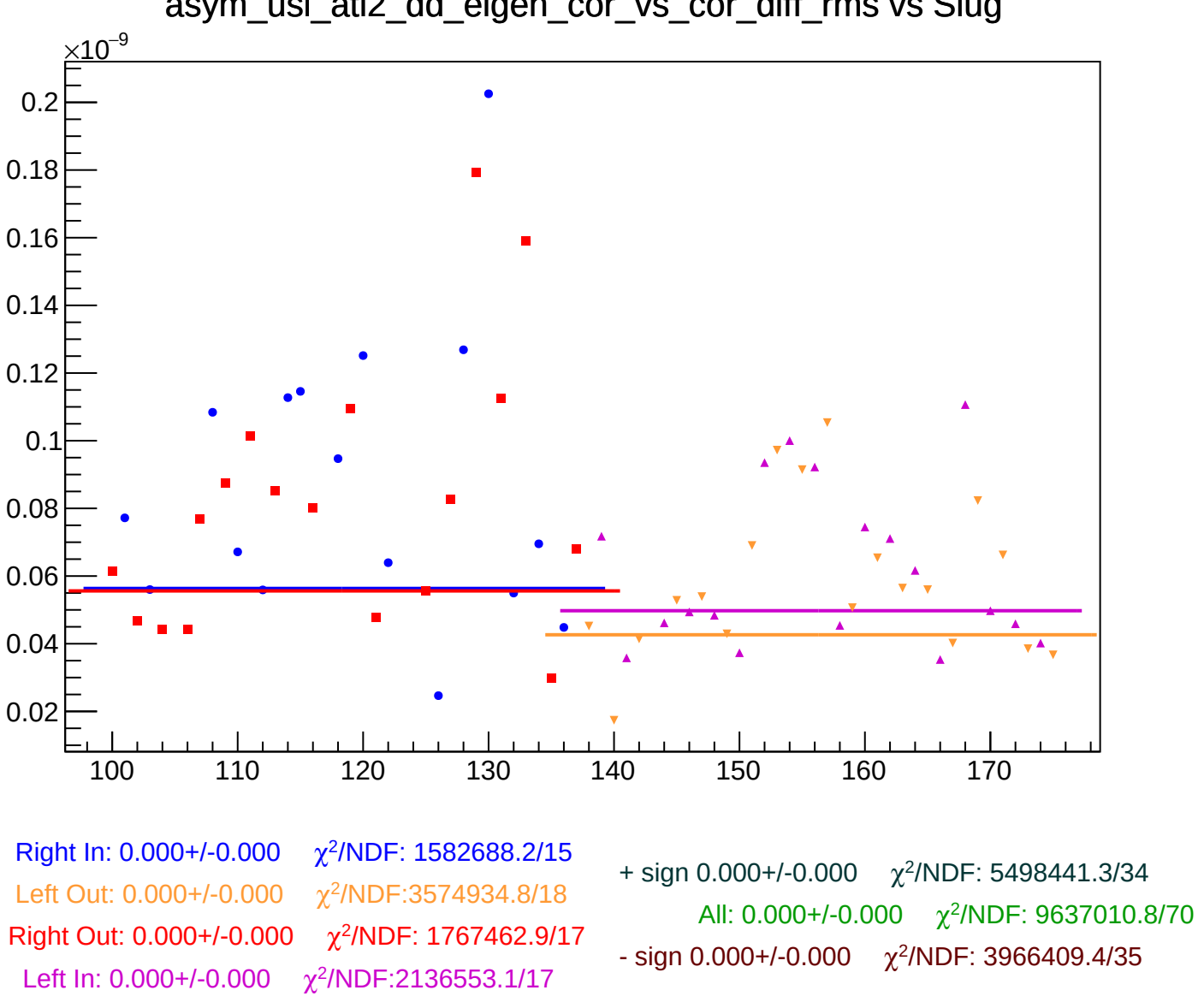
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

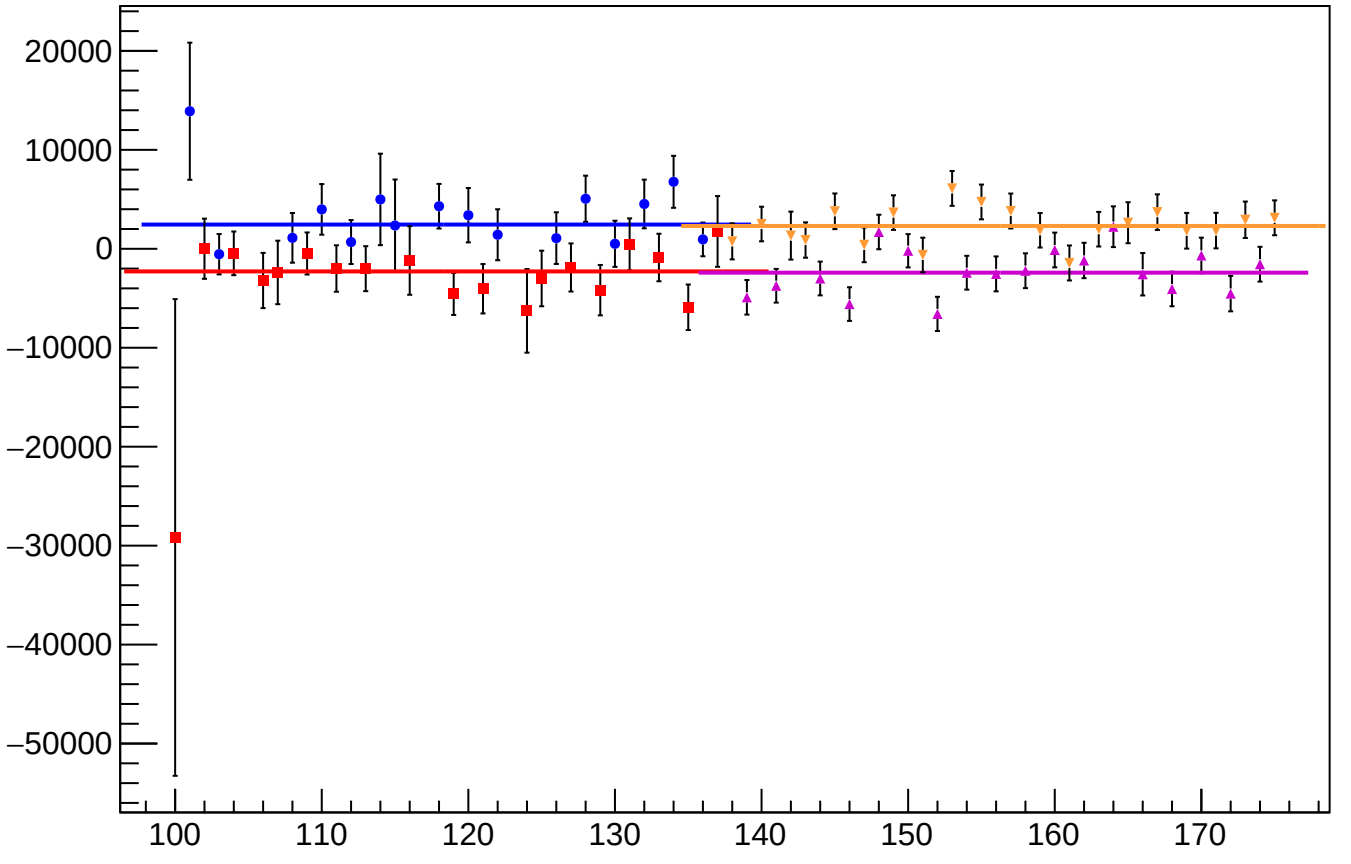
Left In: -0.000+/-0.000 χ^2/NDF:23.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 17.7/34

All: -0.000+/-0.000 χ^2/NDF: 68.9/70

- sign -0.000+/-0.000 χ^2/NDF: 51.0/35


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:3574934.8/18
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:2136553.1/17
+ sign 0.000+/-0.000 χ²/NDF: 5498441.3/34
All: 0.000+/-0.000 χ²/NDF: 9637010.8/70
- sign 0.000+/-0.000 χ²/NDF: 3966409.4/35



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2308.544+/-404.278 χ^2/NDF:19.8/19

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

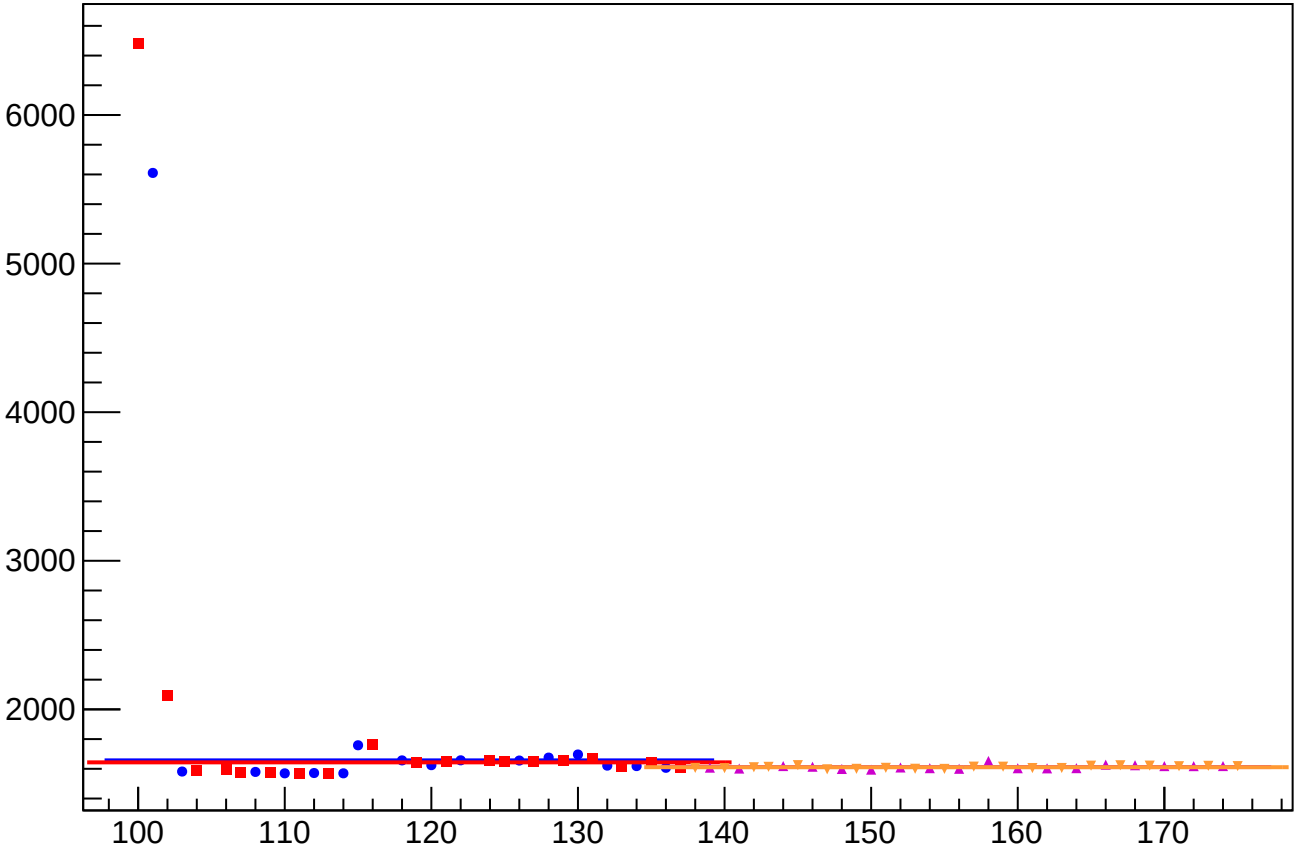
Left In: -2413.542+/-417.856 χ^2/NDF:30.1/17

+ sign 2349.770+/-340.284 χ^2/NDF: 33.6/35

All: 18.041+/-242.121 χ^2/NDF: 170.7/72

- sign -2372.915+/-344.579 χ^2/NDF: 41.9/36

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1610.876+/-0.286 χ^2/NDF:925.7/19

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

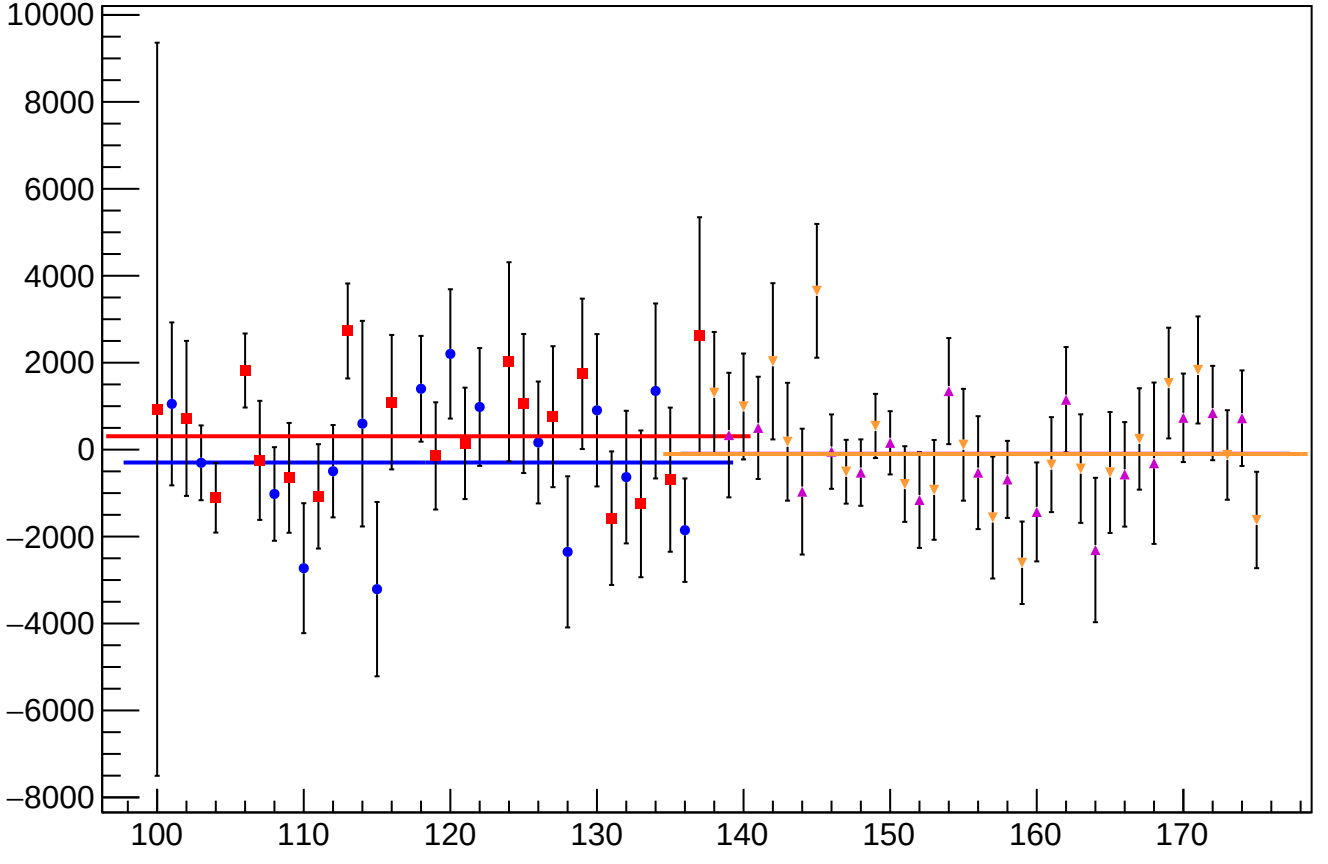
Left In: 1611.966+/-0.295 χ^2/NDF:2047.0/17

+ sign 1624.230+/-0.241 χ^2/NDF: 674637.3/35

All: 1623.146+/-0.171 χ^2/NDF: 817351.9/72

- sign 1622.034+/-0.244 χ^2/NDF: 142673.4/36

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -101.148+/-248.320 χ^2/NDF:25.8/19

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

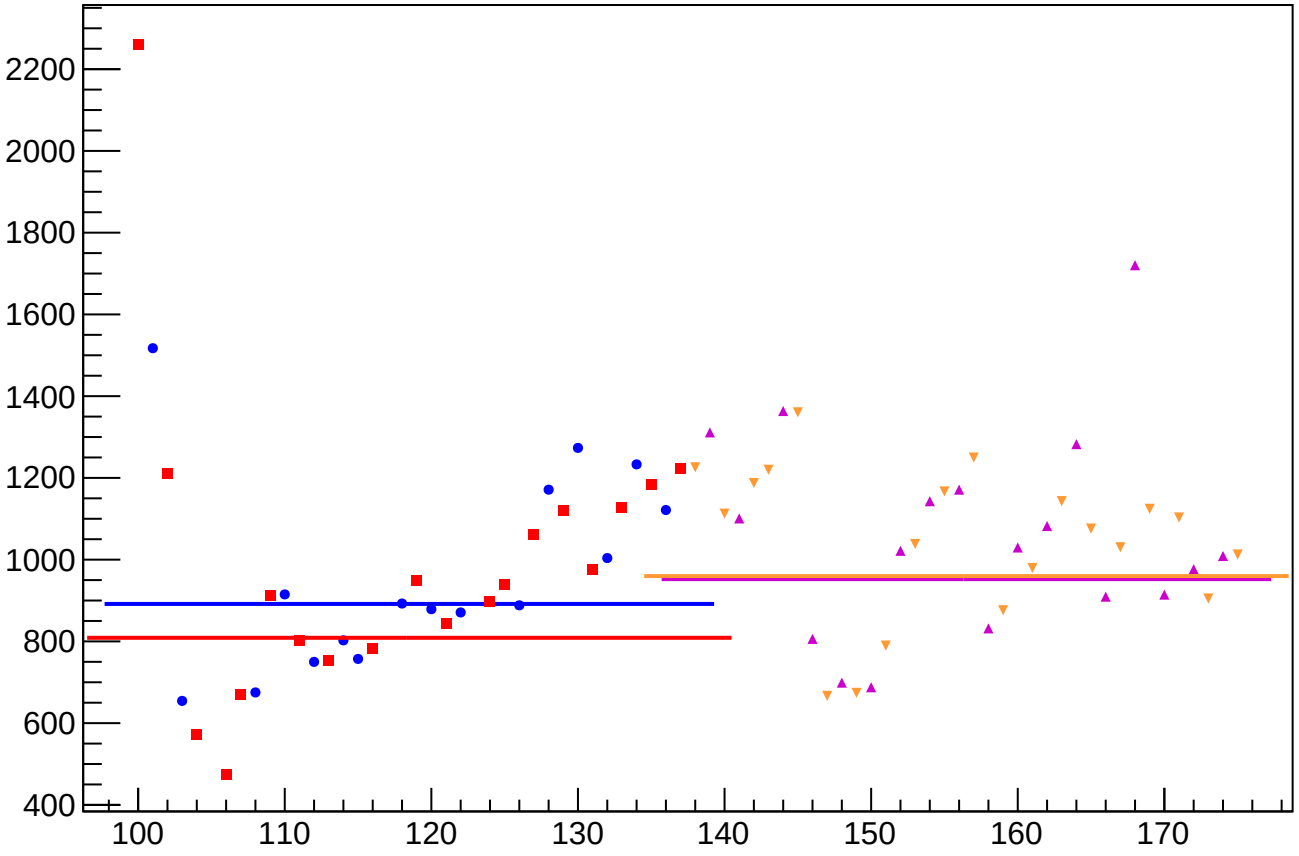
Left In: -94.994+/-254.380 χ^2/NDF:10.4/17

+ sign -168.197+/-201.229 χ^2/NDF: 42.0/35

All: -49.262+/-140.918 χ^2/NDF: 72.7/72

- sign 65.190+/-197.401 χ^2/NDF: 30.1/36

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 959.819+/-0.176 χ^2/NDF:1337983.0/19

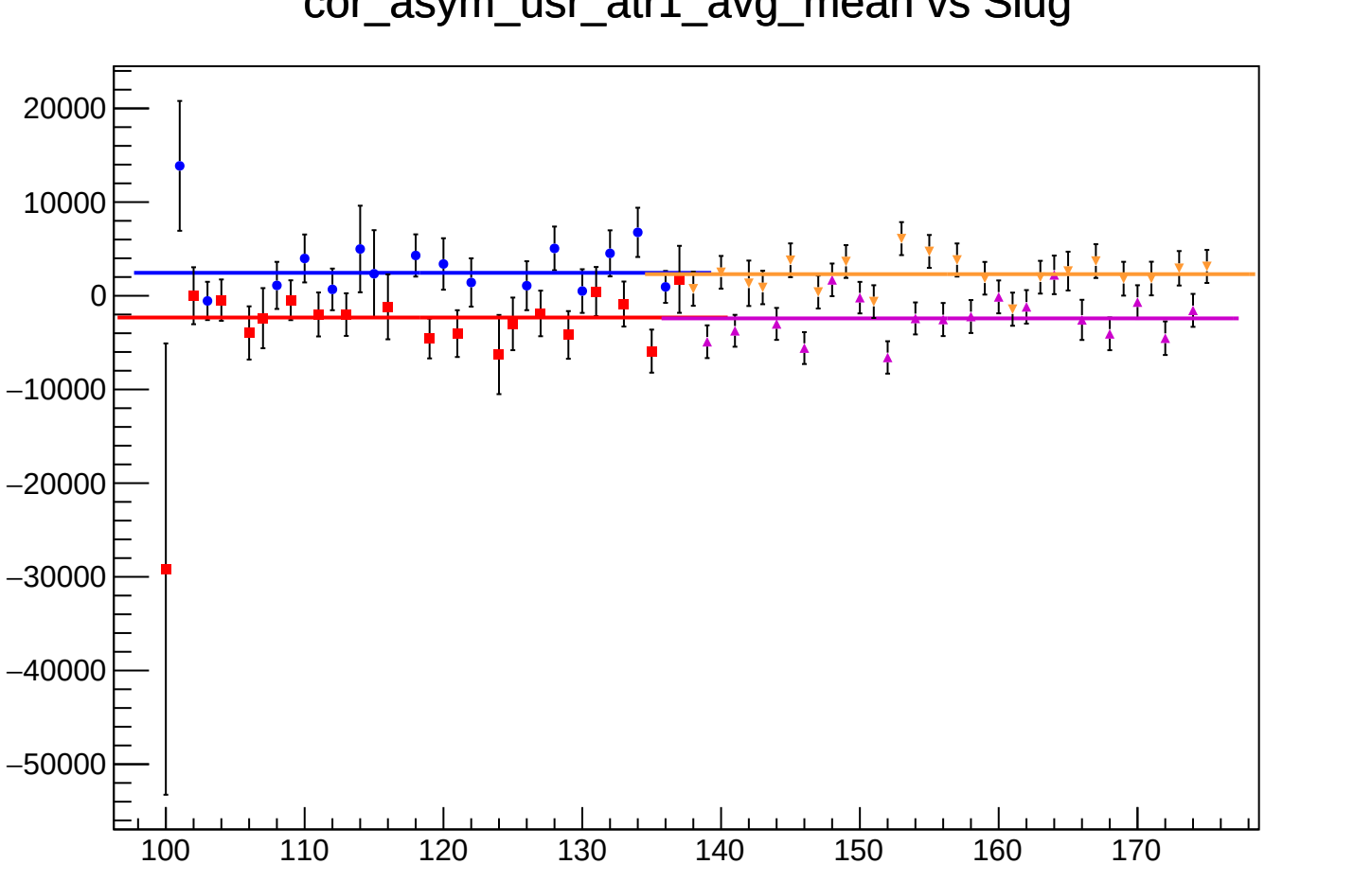
Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 952.308+/-0.180 χ^2/NDF:1477277.7/17

+ sign 936.410+/-0.142 χ^2/NDF: 2183651.1/35

All: 915.421+/-0.100 χ^2/NDF: 5040652.9/72

- sign 895.223+/-0.140 χ^2/NDF: 2814304.6/36



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2308.530+/-404.278 χ^2/NDF:19.8/19

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

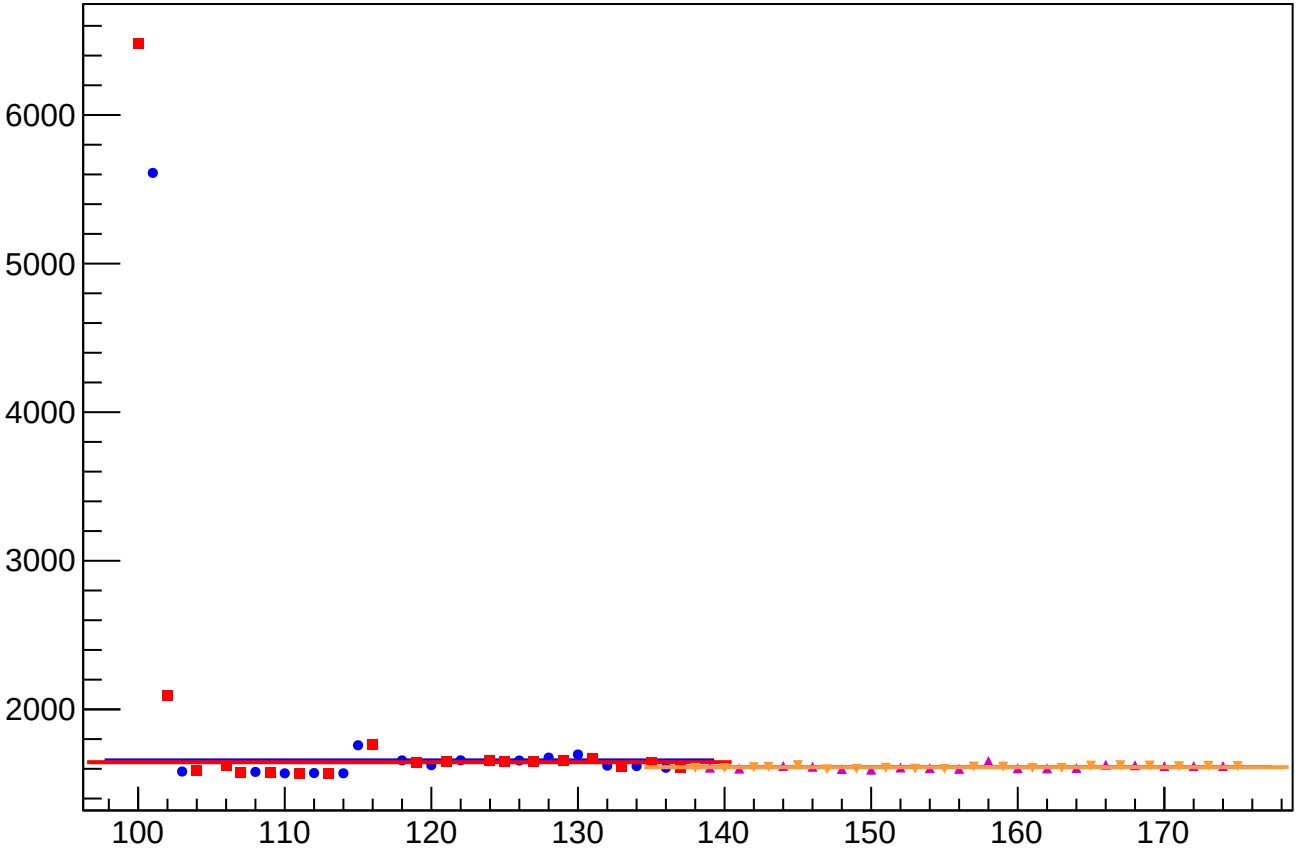
Left In: -2413.565+/-417.856 χ^2/NDF:30.1/17

+ sign 2349.596+/-340.284 χ^2/NDF: 33.6/35

All: 13.178+/-242.153 χ^2/NDF: 171.3/72

- sign -2383.844+/-344.669 χ^2/NDF: 42.2/36

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1610.876+/-0.286 χ^2/NDF:925.7/19

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

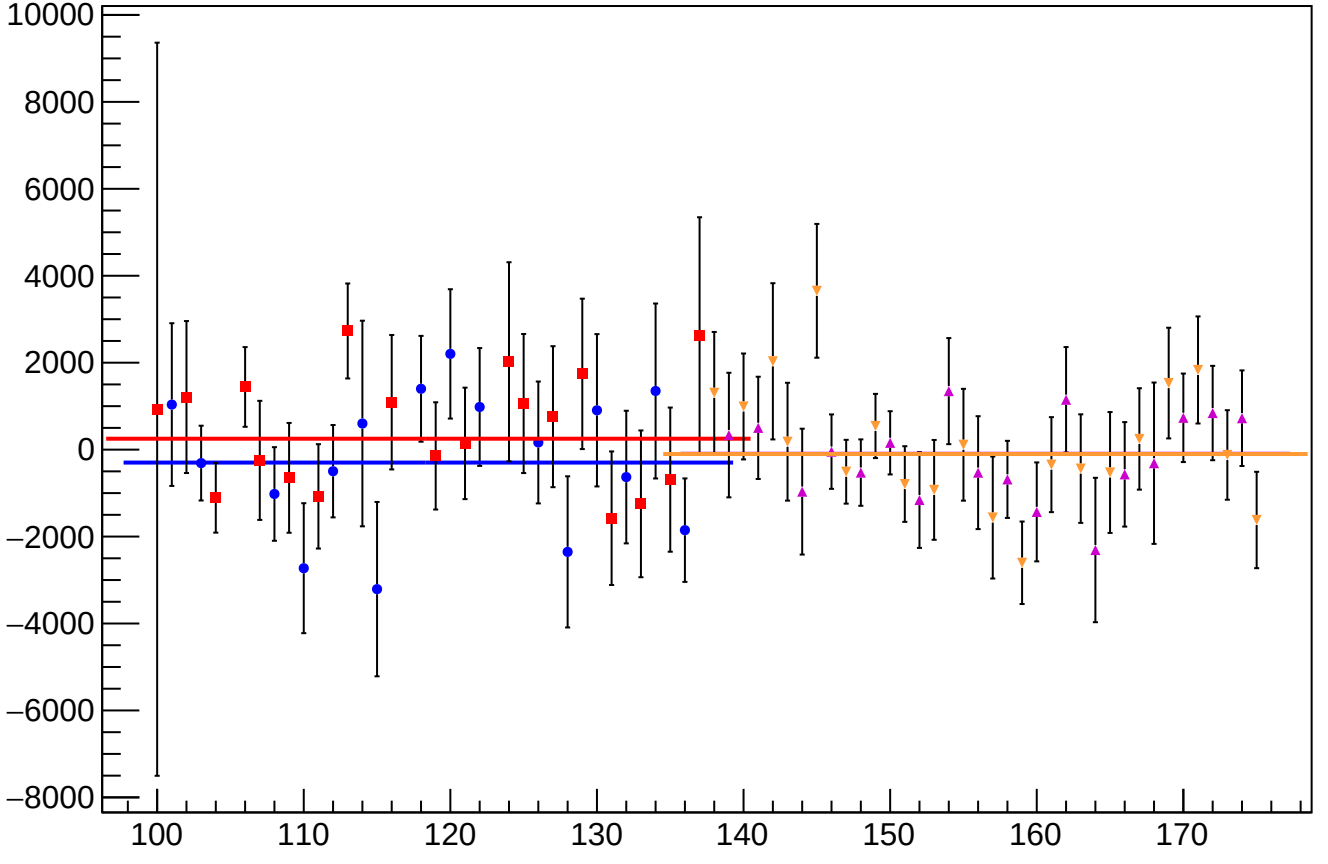
Left In: 1611.966+/-0.295 χ^2/NDF:2047.0/17

+ sign 1624.230+/-0.241 χ^2/NDF: 674636.8/35

All: 1623.346+/-0.171 χ^2/NDF: 817125.1/72

- sign 1622.439+/-0.244 χ^2/NDF: 142460.9/36

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -101.213+/-248.318 χ^2/NDF:25.8/19

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

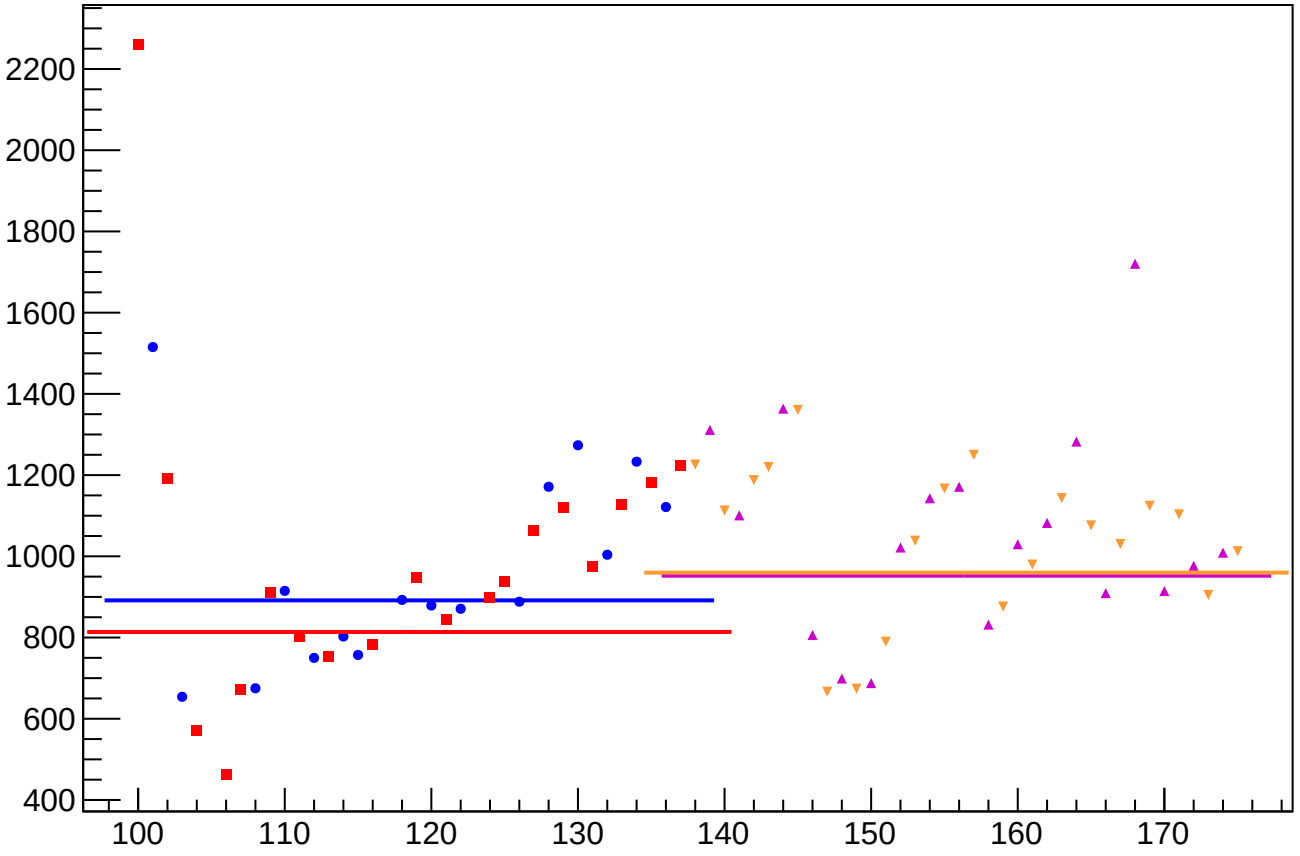
Left In: -95.036+/-254.381 χ^2/NDF:10.4/17

+ sign -168.713+/-201.219 χ^2/NDF: 42.0/35

All: -62.086+/-141.165 χ^2/NDF: 70.9/72

- sign 41.253+/-198.092 χ^2/NDF: 28.4/36

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 959.810+/-0.176 χ^2/NDF:1338075.9/19

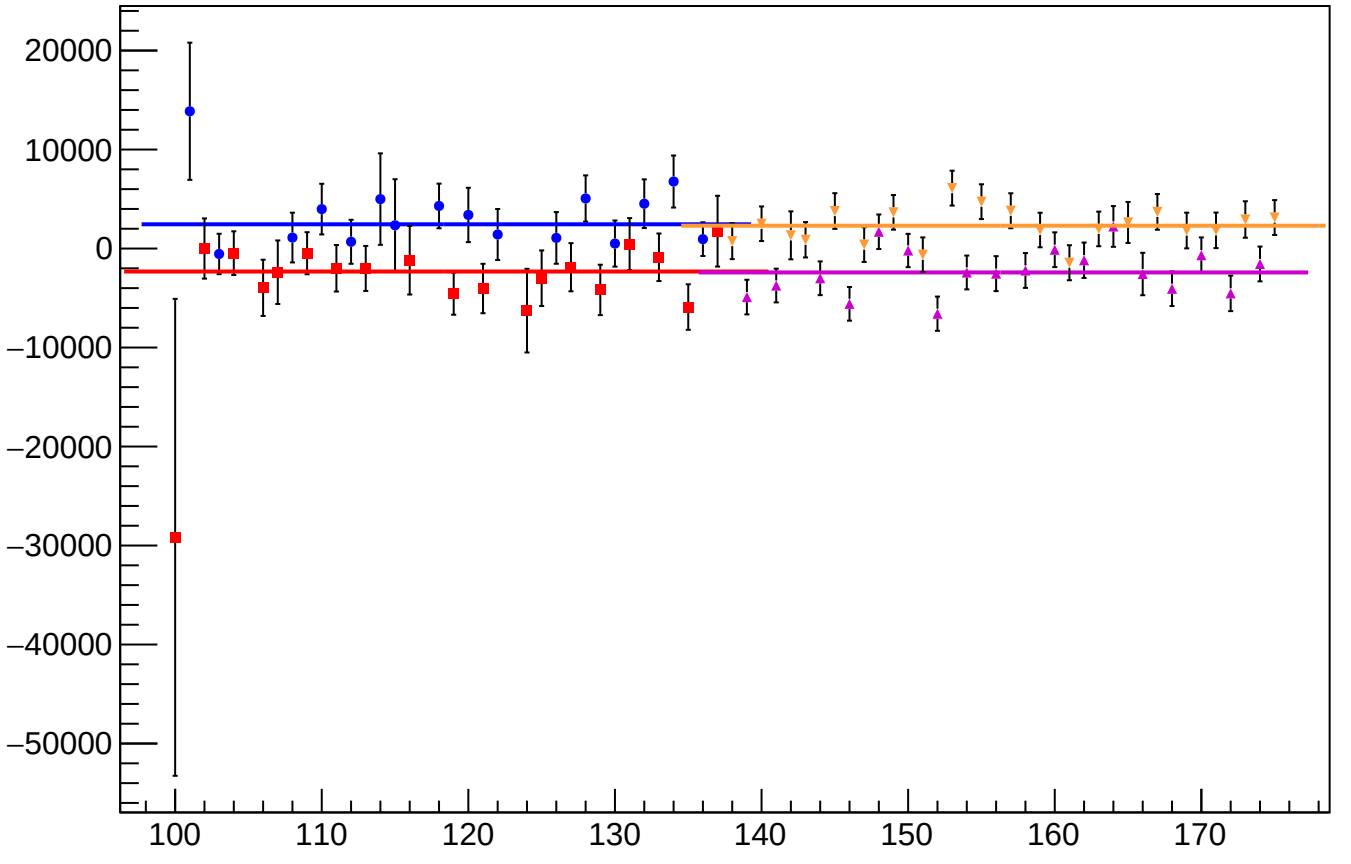
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 952.314+/-0.180 χ^2/NDF:1477232.7/17

+ sign 936.366+/-0.142 χ^2/NDF: 2183652.0/35

All: 916.780+/-0.100 χ^2/NDF: 4984562.3/72

- sign 897.798+/-0.140 χ^2/NDF: 2763598.2/36



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2308.530+/-404.278 χ^2/NDF:19.8/19

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

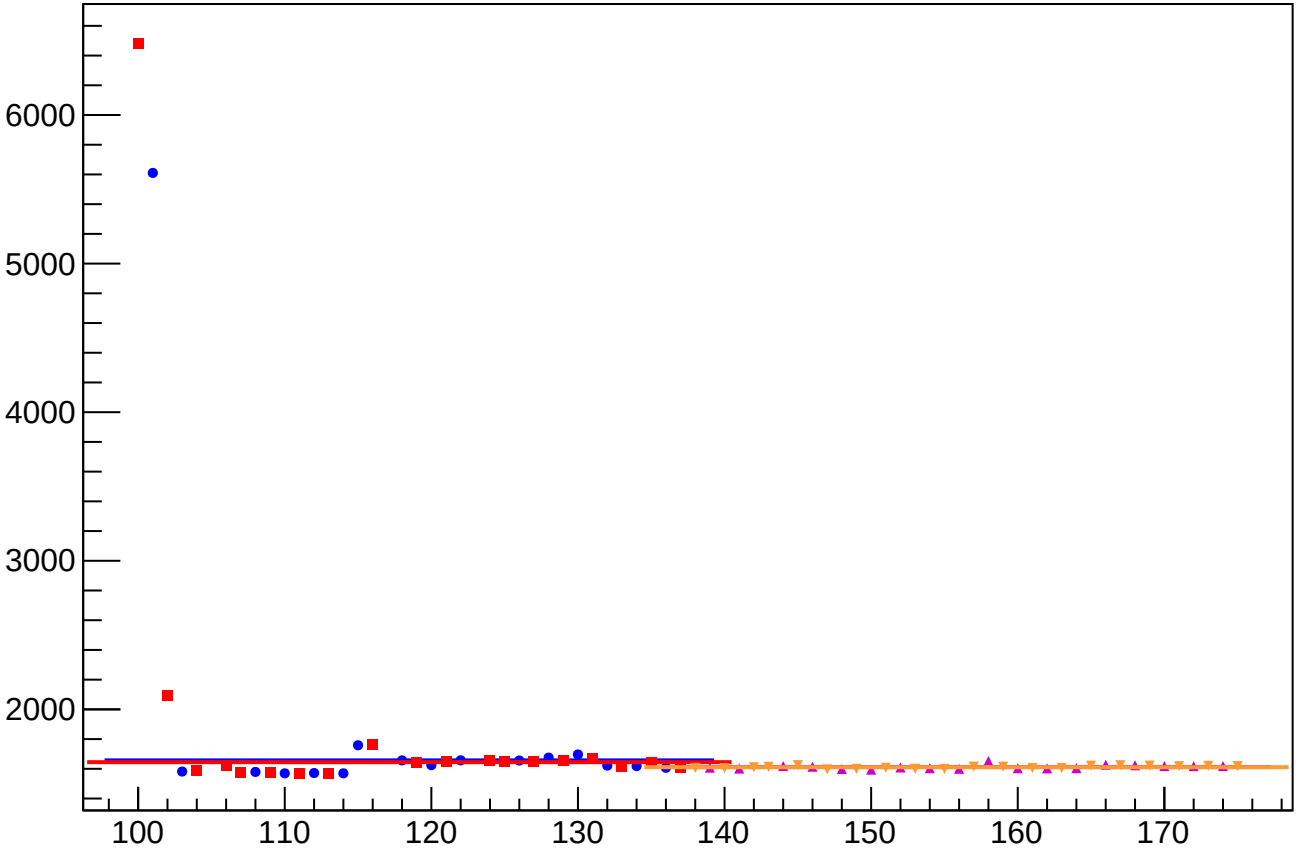
Left In: -2413.565+/-417.856 χ^2/NDF:30.1/17

+ sign 2349.596+/-340.284 χ^2/NDF: 33.6/35

All: 13.178+/-242.153 χ^2/NDF: 171.3/72

- sign -2383.844+/-344.669 χ^2/NDF: 42.2/36

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1610.876+/-0.286 χ^2/NDF:925.7/19

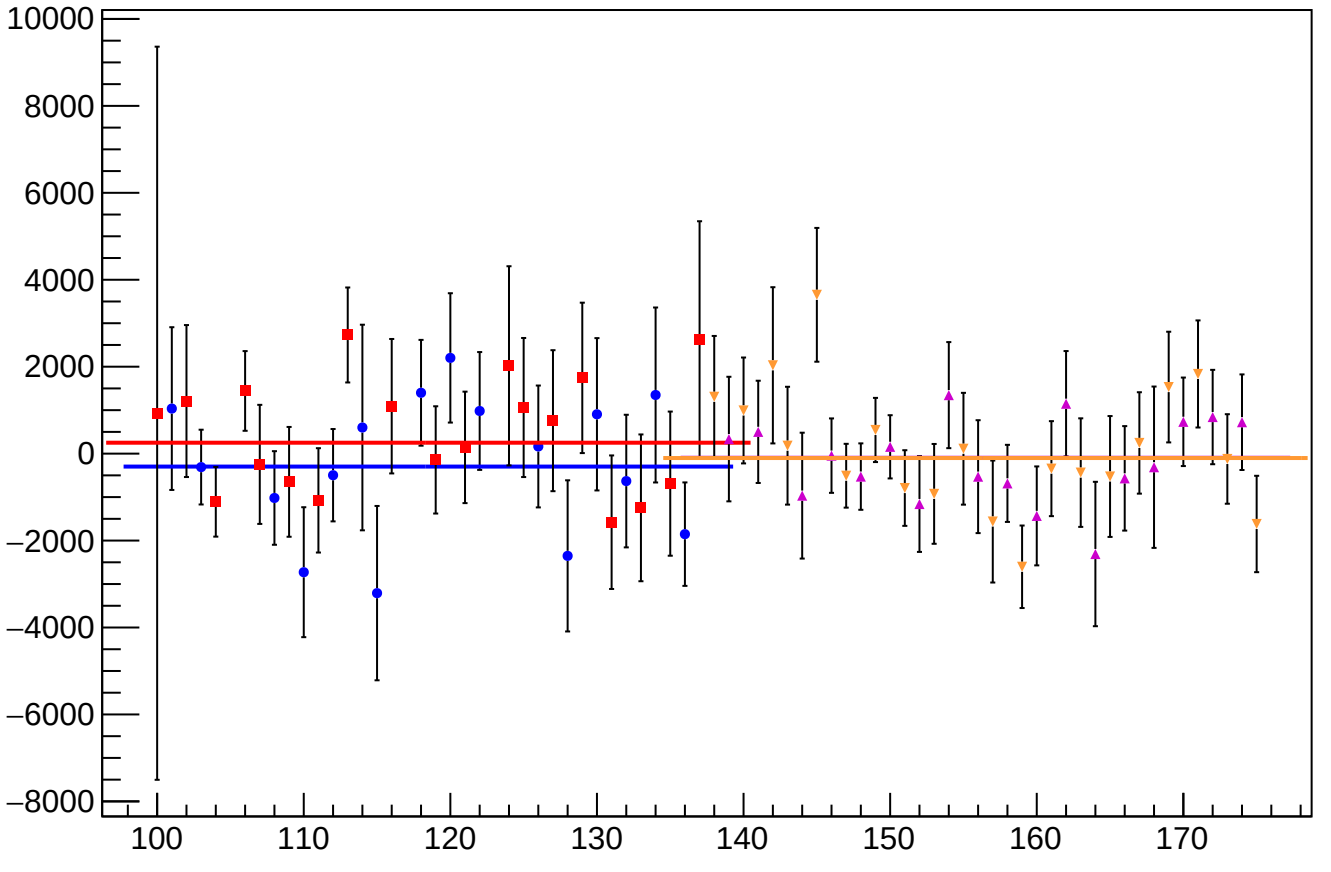
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1611.966+/-0.295 χ^2/NDF:2047.0/17

+ sign 1624.230+/-0.241 χ^2/NDF: 674636.8/35

All: 1623.346+/-0.171 χ^2/NDF: 817125.1/72

- sign 1622.439+/-0.244 χ^2/NDF: 142460.9/36



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -101.213+/-248.318 χ^2/NDF:25.8/19

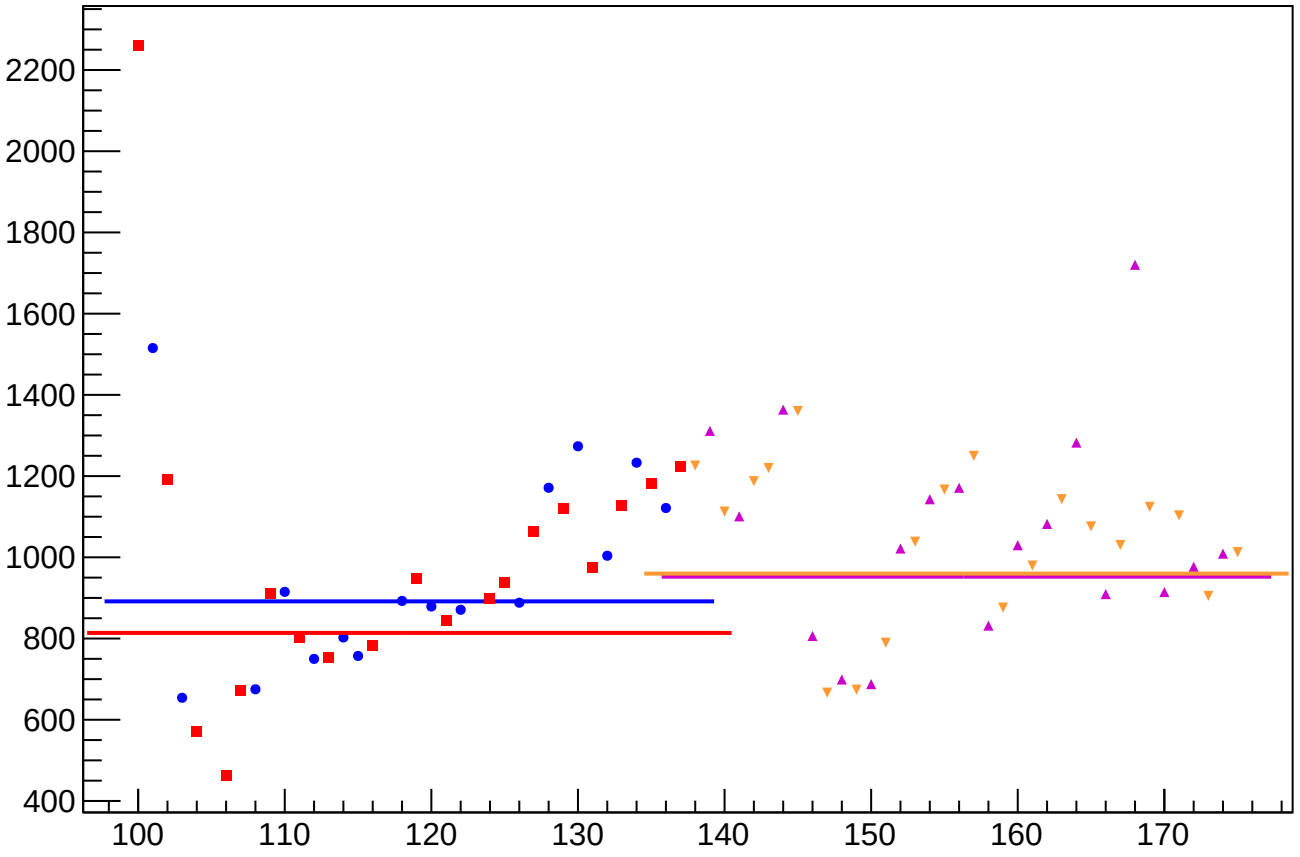
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -95.036+/-254.381 χ^2/NDF:10.4/17

\+ sign -168.713+/-201.219 χ^2/NDF: 42.0/35

All: -62.086+/-141.165 χ^2/NDF: 70.9/72

\- sign 41.253+/-198.092 χ^2/NDF: 28.4/36



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 959.810+/-0.176 χ^2/NDF:1338075.9/19

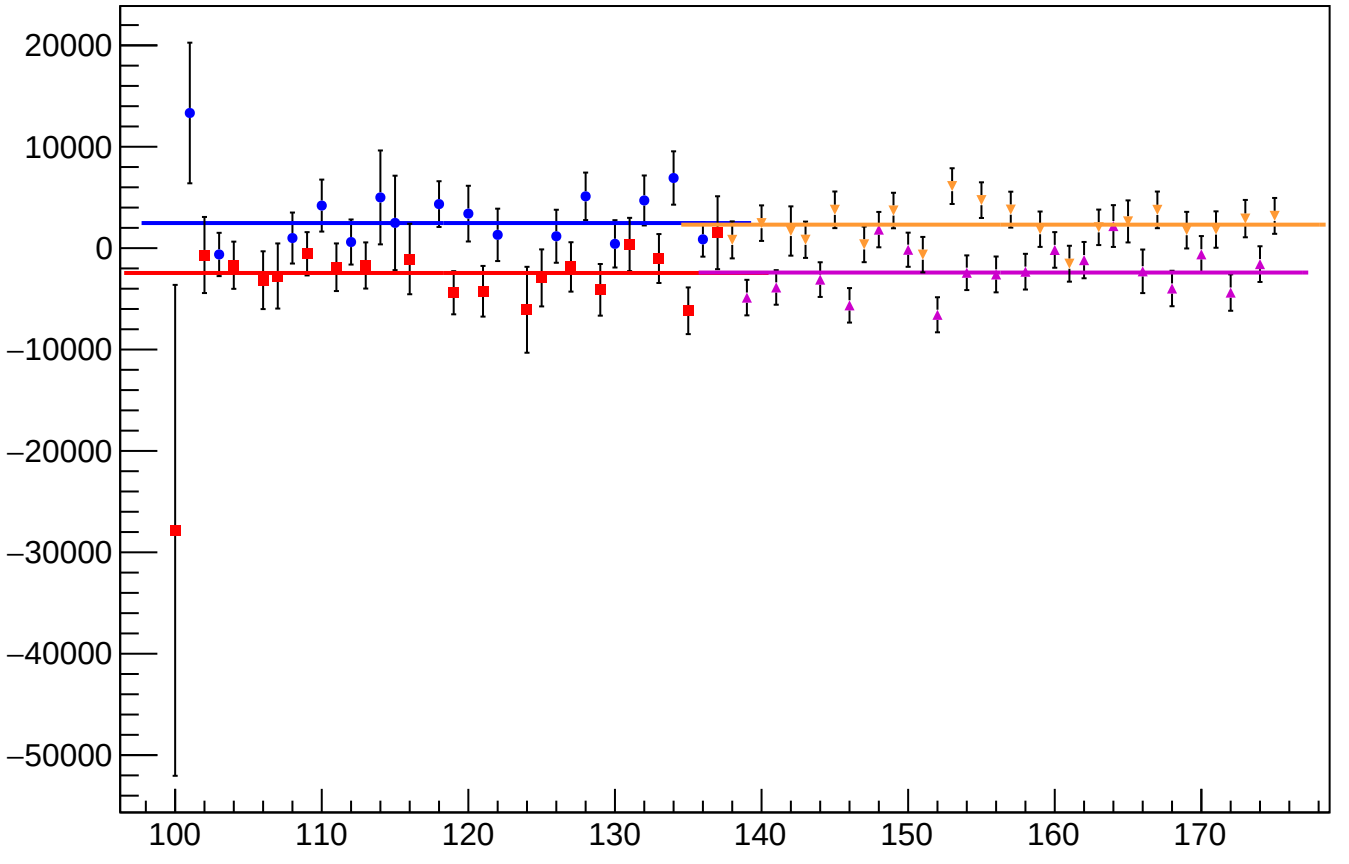
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 952.314+/-0.180 χ^2/NDF:1477232.7/17

+ sign 936.366+/-0.142 χ^2/NDF: 2183652.0/35

All: 916.780+/-0.100 χ^2/NDF: 4984562.3/72

- sign 897.798+/-0.140 χ^2/NDF: 2763598.2/36



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2317.266+/-404.909 χ^2/NDF:20.1/19

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

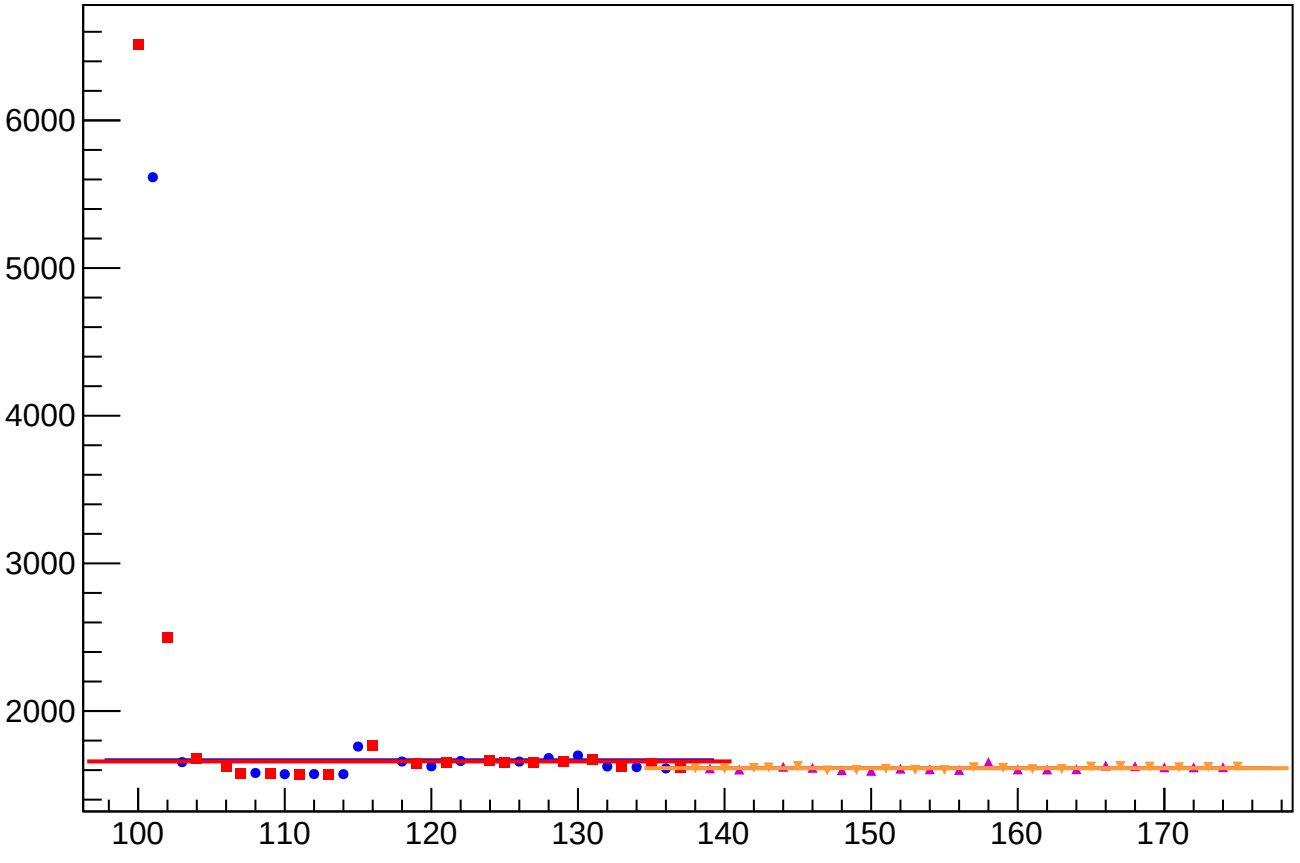
Left In: -2406.903+/-418.380 χ^2/NDF:30.3/17

+ sign 2363.043+/-341.230 χ^2/NDF: 34.3/35

All: 7.203+/-243.083 χ^2/NDF: 171.9/72

- sign -2420.163+/-346.371 χ^2/NDF: 40.8/36

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1613.379+/-0.286 χ^2/NDF:1054.6/19

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

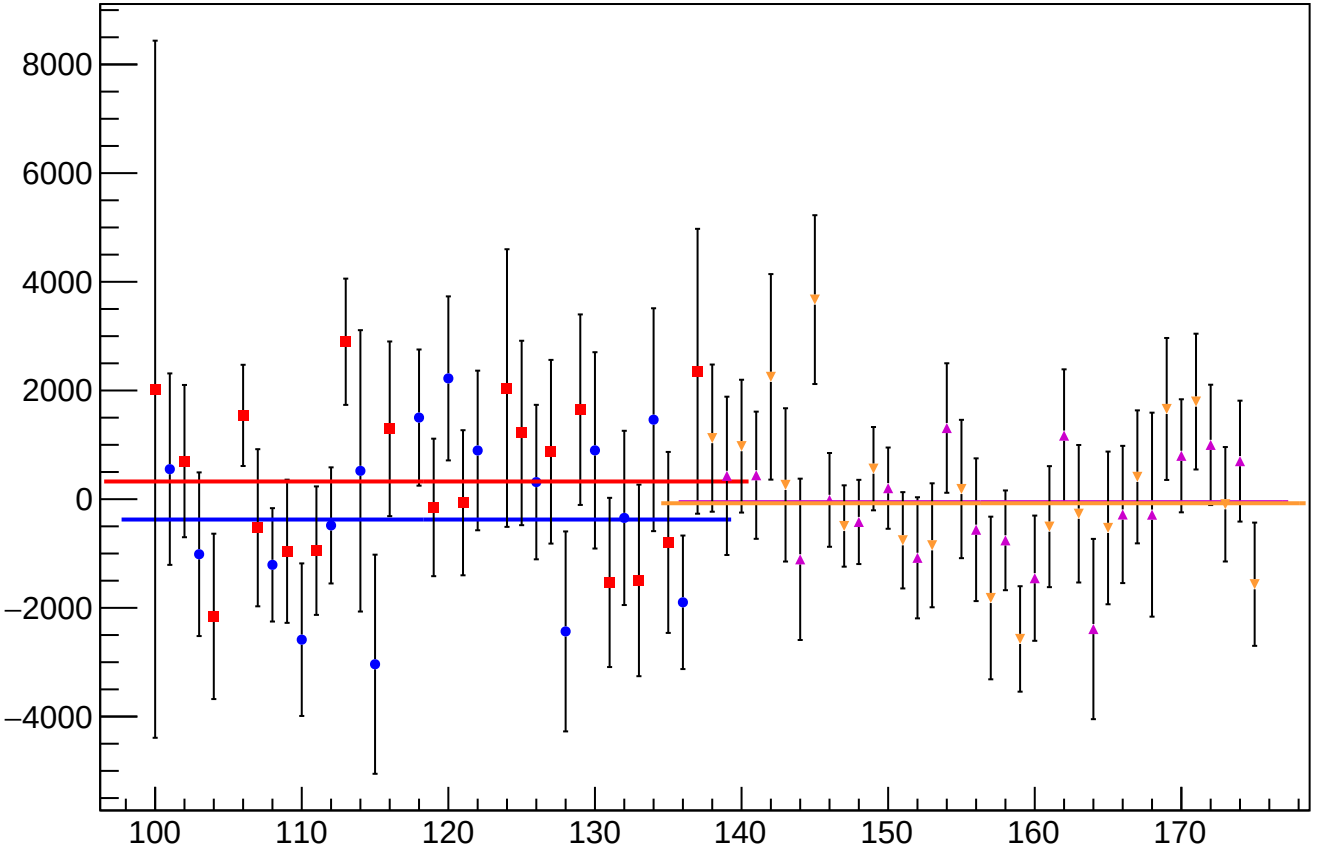
Left In: 1613.976+/-0.296 χ^2/NDF:2112.6/17

+ sign 1628.745+/-0.241 χ^2/NDF: 673907.2/35

All: 1628.448+/-0.172 χ^2/NDF: 876535.1/72

- sign 1628.142+/-0.245 χ^2/NDF: 202624.9/36

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -74.926+/-253.367 χ^2/NDF:25.2/19

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

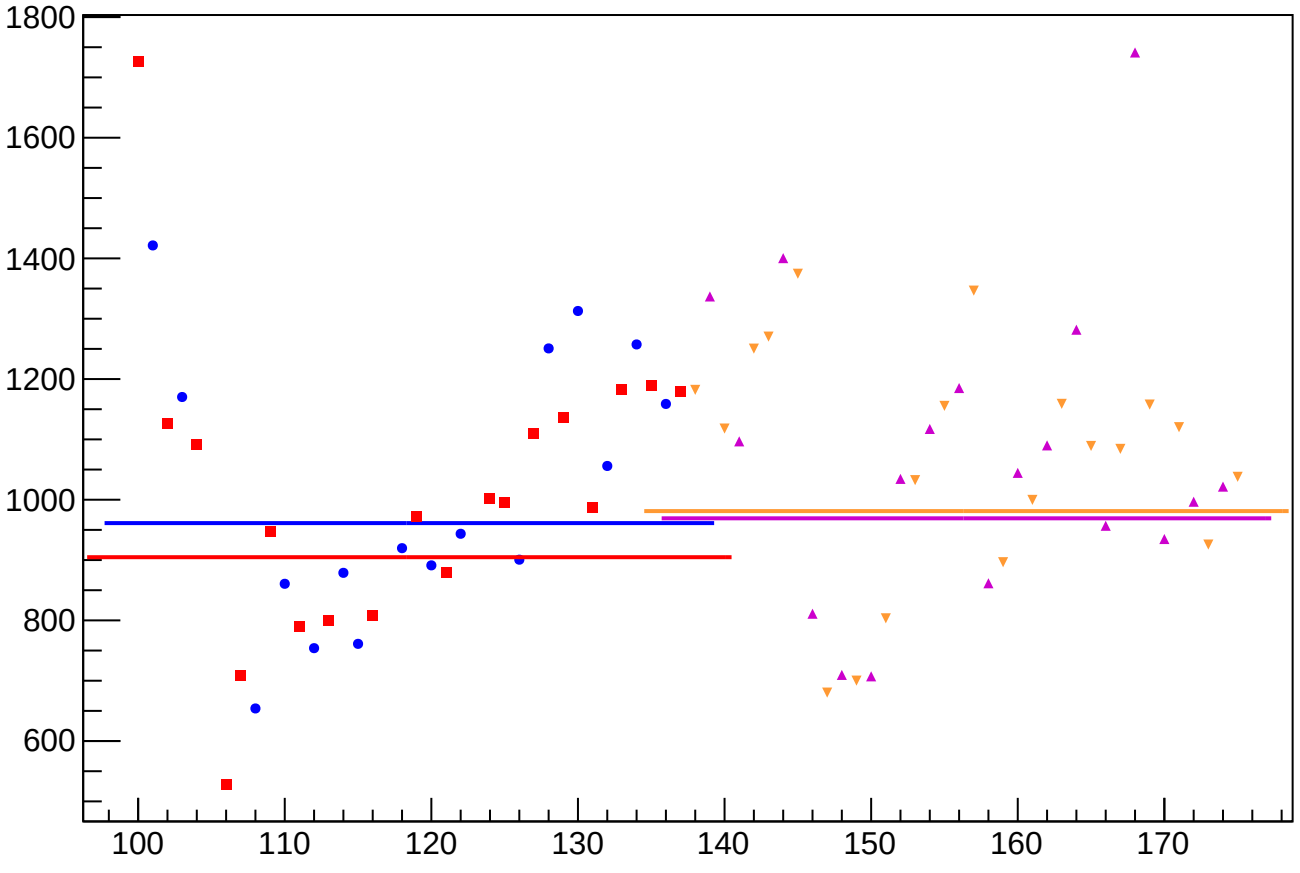
Left In: -54.674+/-258.401 χ^2/NDF:10.6/17

+ sign -171.314+/-208.678 χ^2/NDF: 41.3/35

All: -41.794+/-146.553 χ^2/NDF: 70.9/72

- sign 84.259+/-205.866 χ^2/NDF: 28.8/36

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 981.142+/-0.179 χ^2/NDF:1308287.1/19

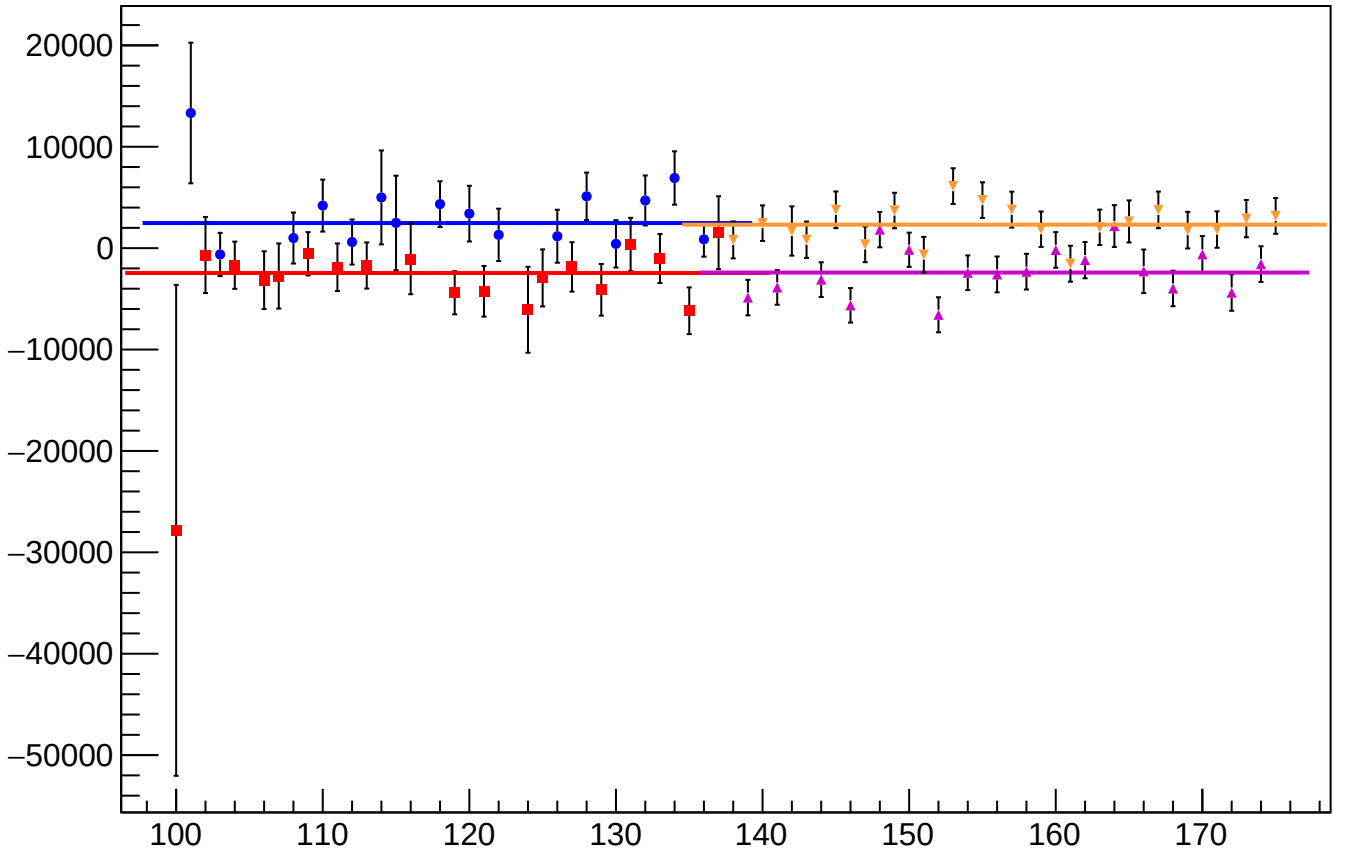
Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 969.160+/-0.183 χ^2/NDF:1422140.3/17

+ sign 974.741+/-0.148 χ^2/NDF: 2004130.8/35

All: 959.987+/-0.104 χ^2/NDF: 4227895.9/72

- sign 945.627+/-0.146 χ^2/NDF: 2204035.5/36



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2317.265+/-404.909 χ^2/NDF:20.1/19

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

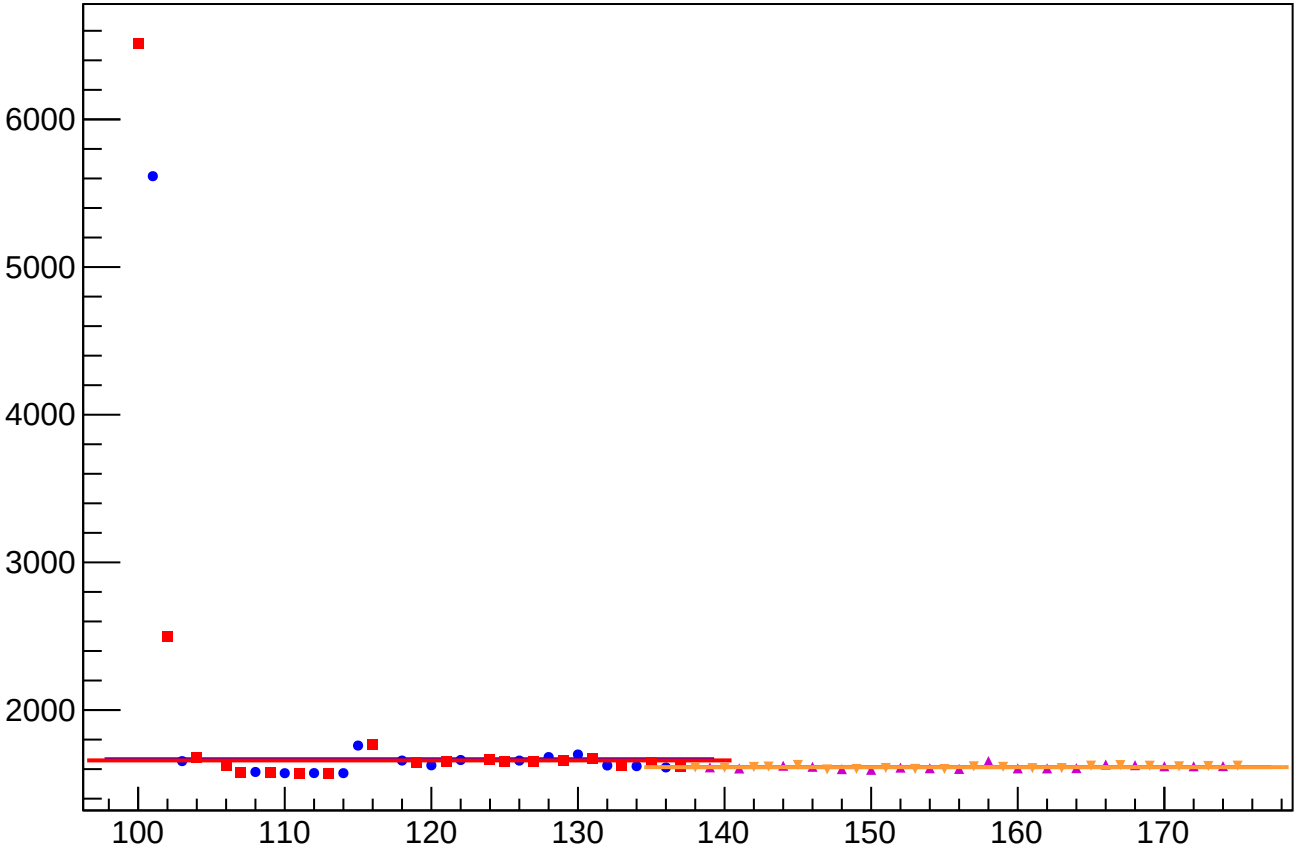
Left In: -2406.903+/-418.380 χ^2/NDF:30.3/17

+ sign 2363.043+/-341.230 χ^2/NDF: 34.3/35

All: 7.202+/-243.083 χ^2/NDF: 171.9/72

- sign -2420.163+/-346.371 χ^2/NDF: 40.8/36

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1613.379+/-0.286 χ^2/NDF:1054.6/19

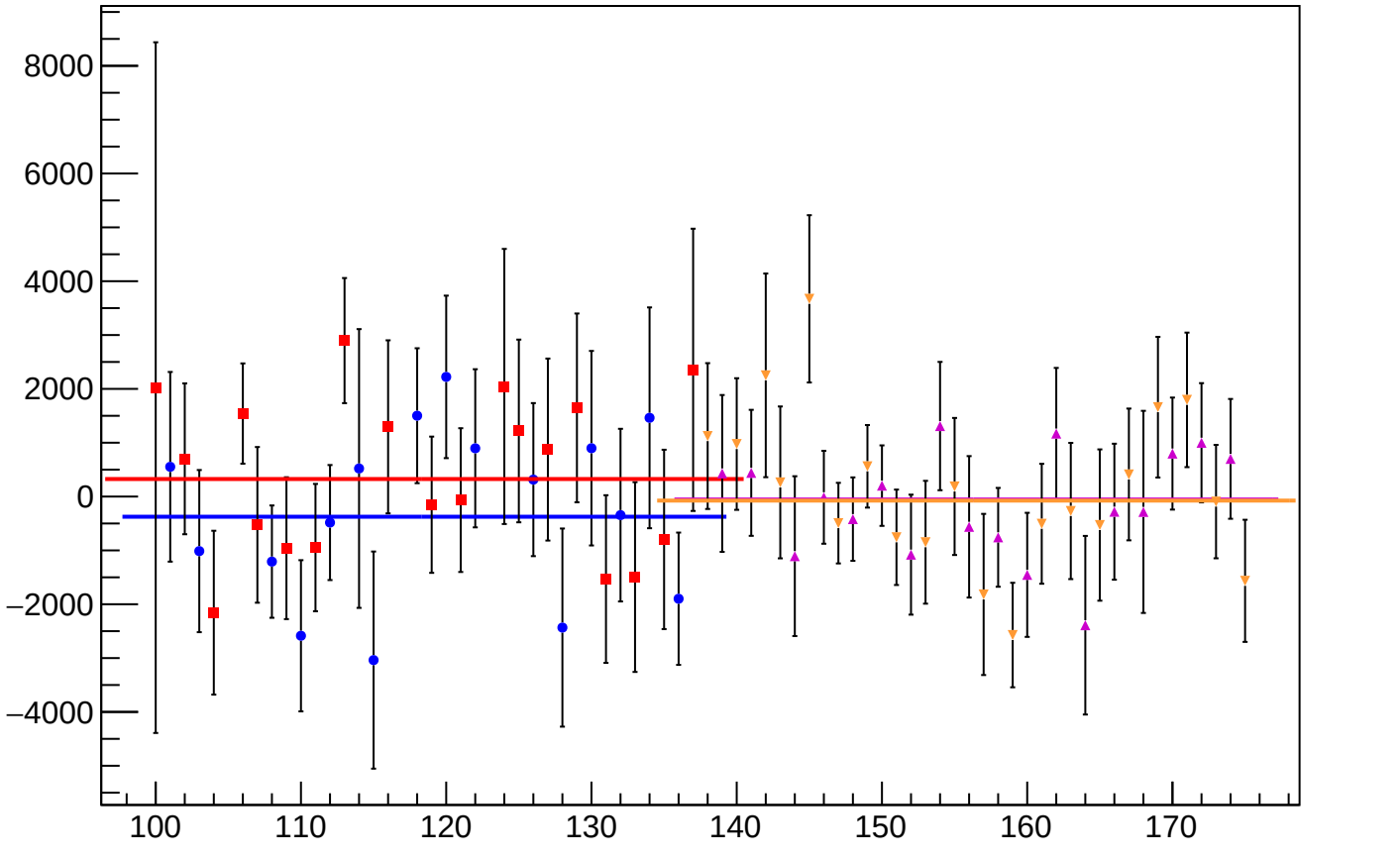
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1613.976+/-0.296 χ^2/NDF:2112.6/17

+ sign 1628.745+/-0.241 χ^2/NDF: 673907.2/35

All: 1628.448+/-0.172 χ^2/NDF: 876534.9/72

- sign 1628.142+/-0.245 χ^2/NDF: 202624.6/36



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -74.927+/-253.367 χ^2/NDF:25.2/19

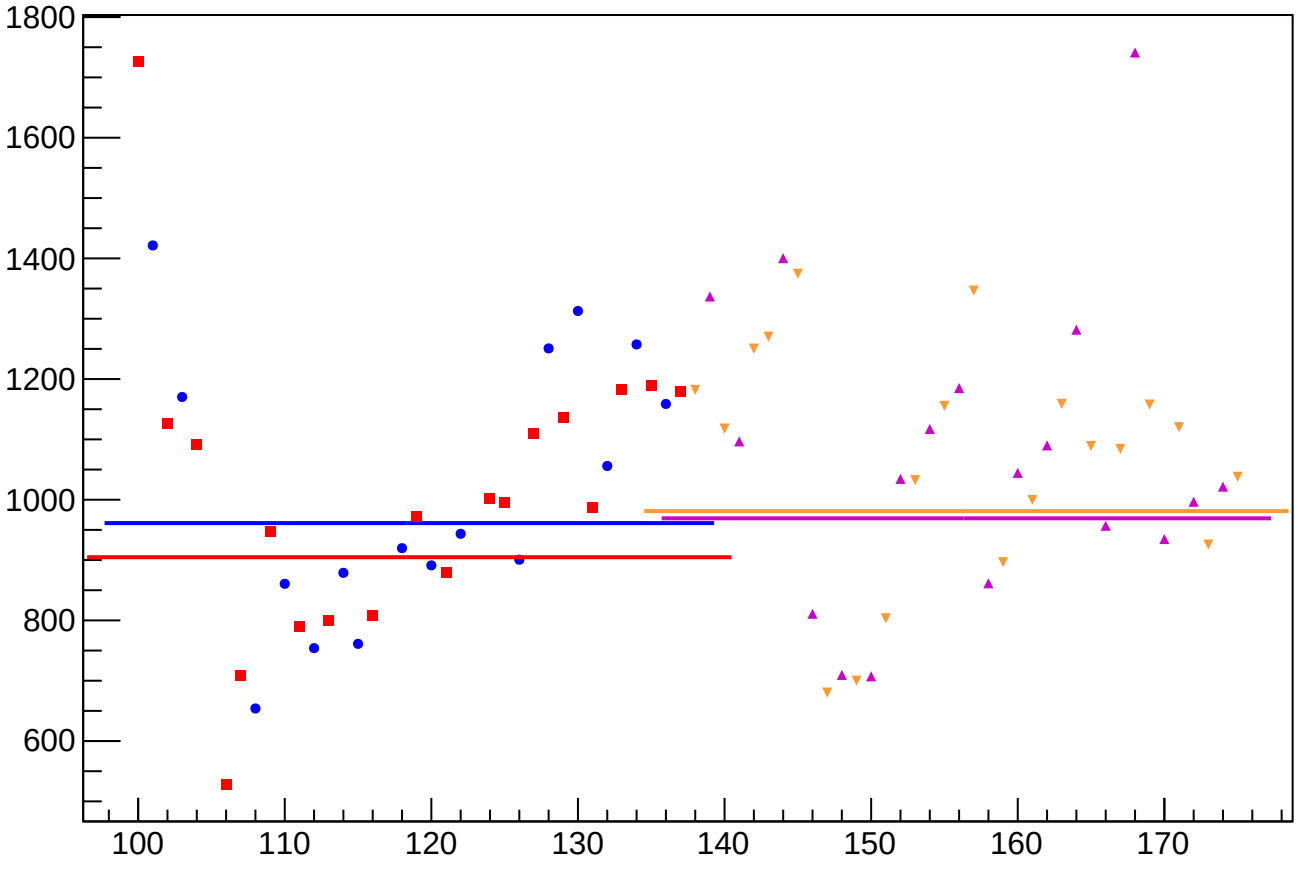
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -54.675+/-258.402 χ^2/NDF:10.6/17

+ sign -171.315+/-208.678 χ^2/NDF: 41.3/35

All: -41.795+/-146.553 χ^2/NDF: 70.9/72

- sign 84.259+/-205.866 χ^2/NDF: 28.8/36



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 981.144+/-0.179 χ^2/NDF:1308290.3/19

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

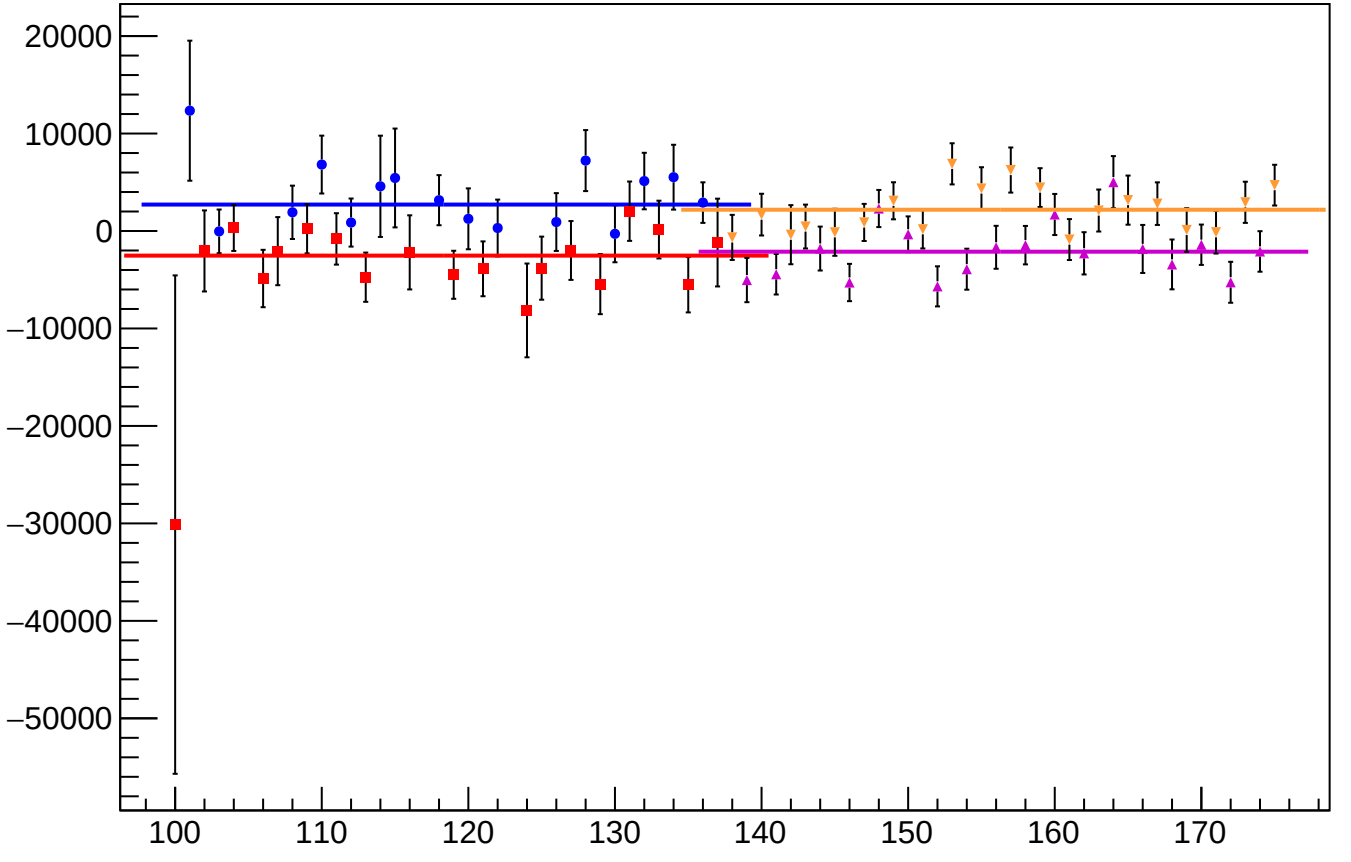
Left In: 969.162+/-0.183 χ^2/NDF:1422143.7/17

+ sign 974.742+/-0.148 χ^2/NDF: 2004144.4/35

All: 959.987+/-0.104 χ^2/NDF: 4227916.7/72

- sign 945.627+/-0.146 χ^2/NDF: 2204043.0/36

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2181.014+/-485.783 χ^2/NDF:21.8/19

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

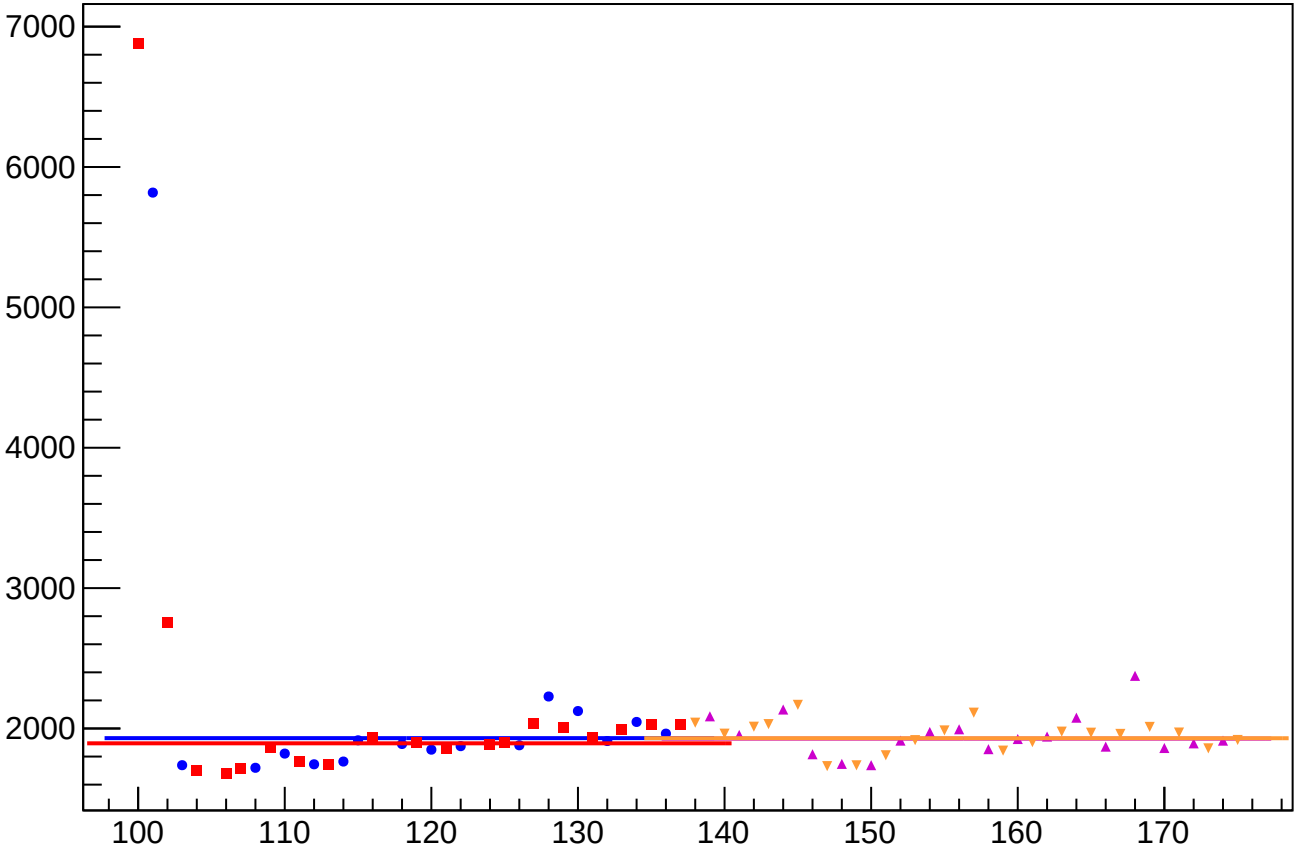
Left In: -2122.853+/-501.209 χ^2/NDF:28.9/17

+ sign 2342.234+/-405.281 χ^2/NDF: 34.3/35

All: 62.040+/-287.805 χ^2/NDF: 140.5/72

- sign -2257.680+/-408.778 χ^2/NDF: 42.4/36

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1930.569+/-0.344 χ^2/NDF:105523.7/19

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

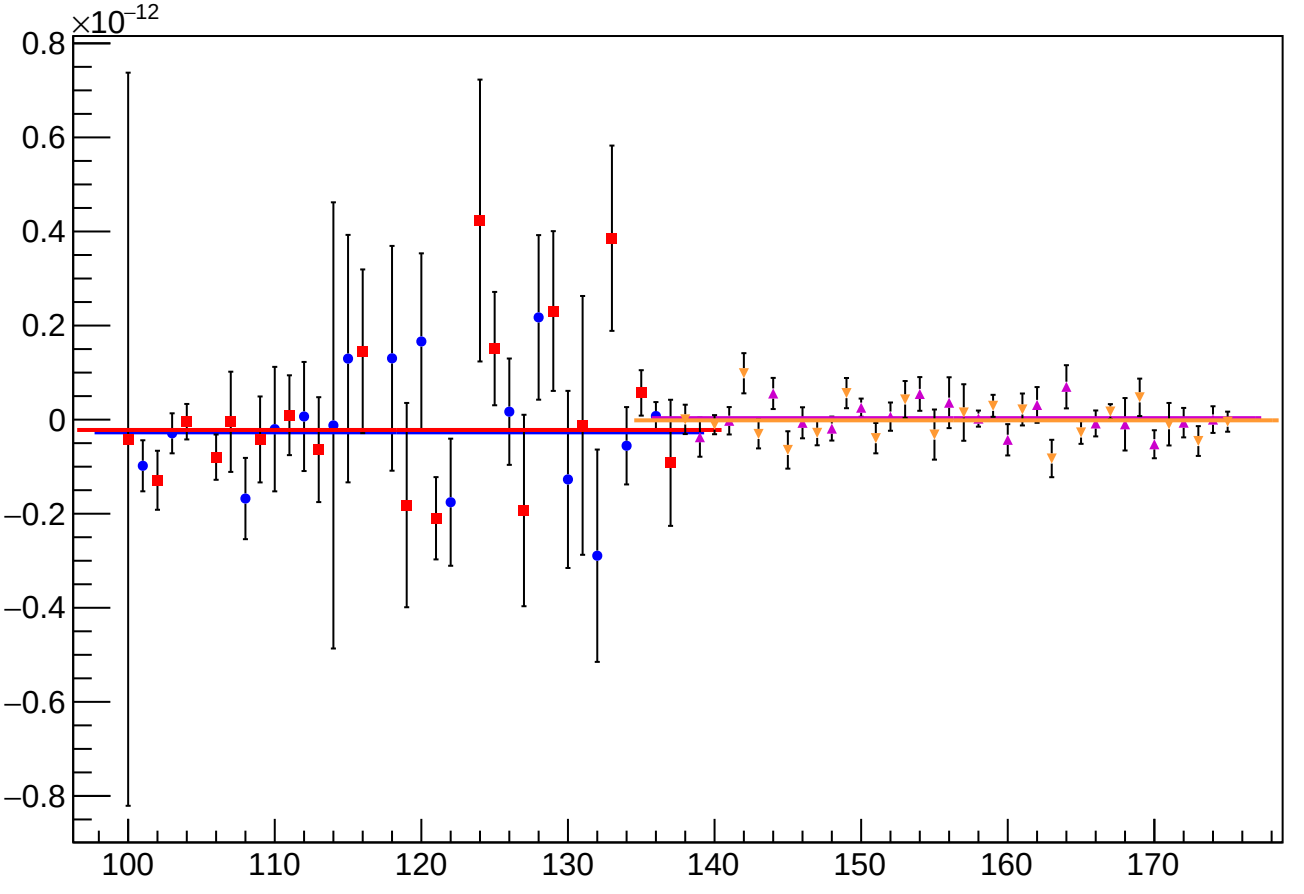
Left In: 1927.724+/-0.354 χ^2/NDF:150008.9/17

+ sign 1930.776+/-0.287 χ^2/NDF: 766751.9/35

All: 1923.723+/-0.204 χ^2/NDF: 1141492.9/72

- sign 1916.549+/-0.289 χ^2/NDF: 373519.2/36

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/19

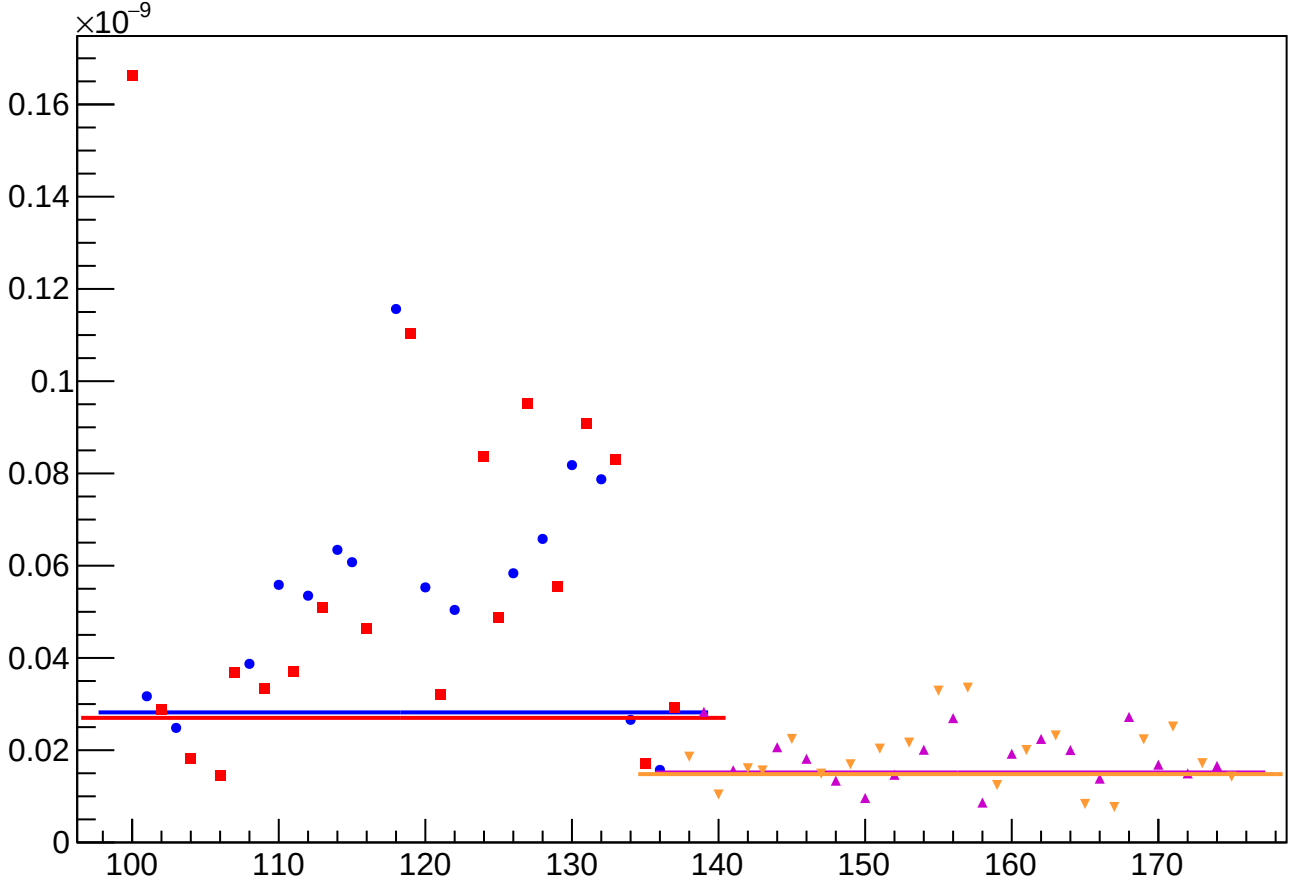
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 43.2/35

All: -0.000+/-0.000 χ^2/NDF: 86.8/72

- sign 0.000+/-0.000 χ^2/NDF: 43.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1645395.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

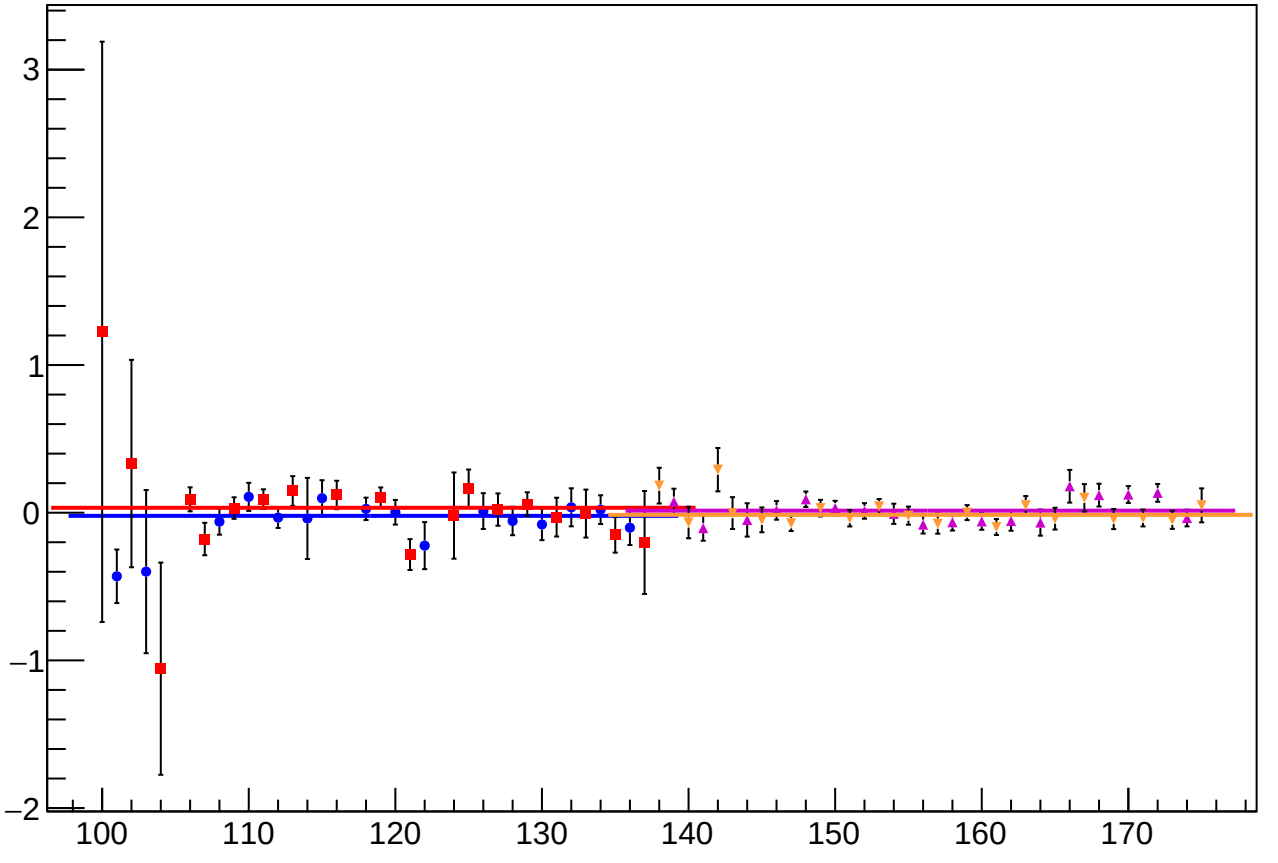
Left In: 0.000+/-0.000 χ^2/NDF:1103848.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 4010170.5/35

All: 0.000+/-0.000 χ^2/NDF: 7333748.2/72

- sign 0.000+/-0.000 χ^2/NDF: 3320787.9/36

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.015+/-0.015 χ^2/NDF:17.6/19

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

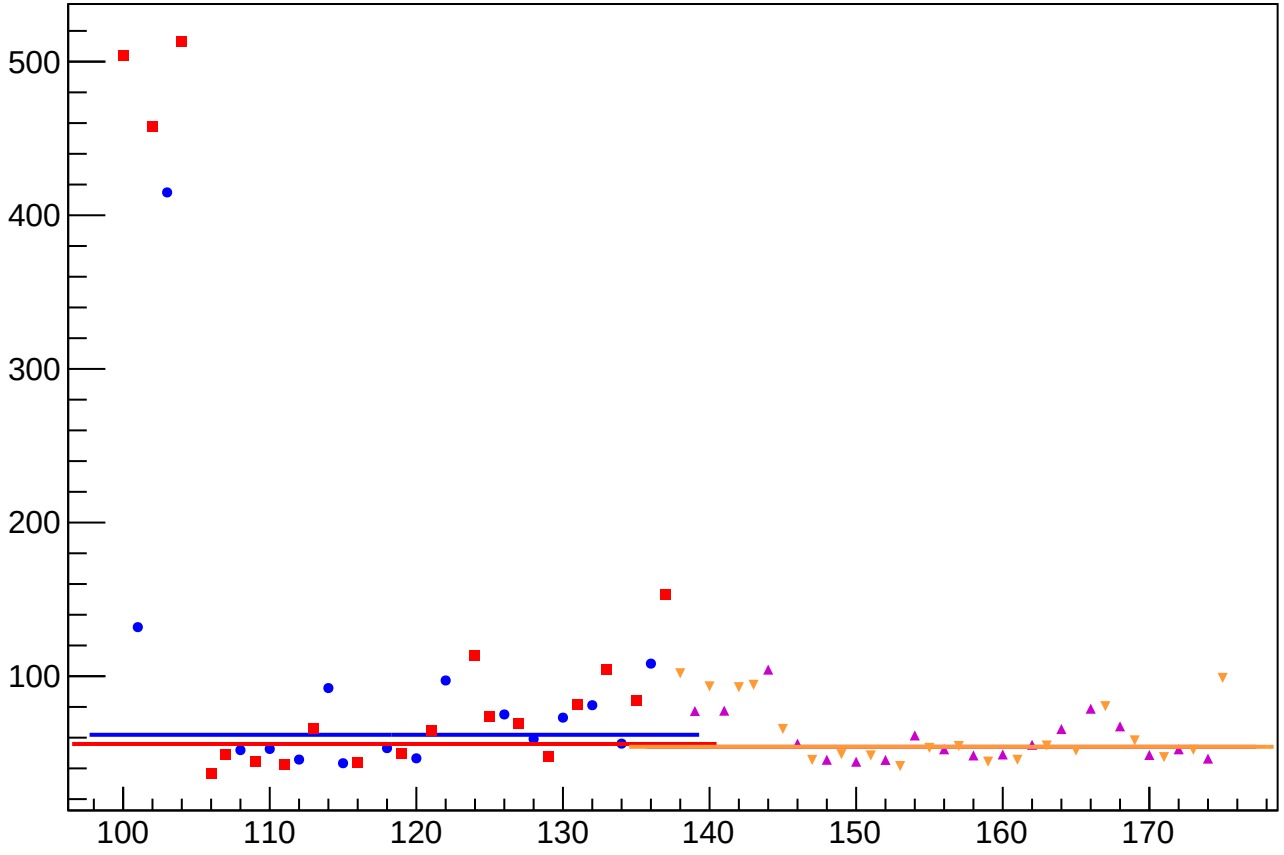
Left In: 0.014+/-0.015 χ^2/NDF:25.6/17

+ sign -0.016+/-0.013 χ^2/NDF: 29.7/35

All: 0.002+/-0.009 χ^2/NDF: 83.8/72

- sign 0.019+/-0.013 χ^2/NDF: 50.5/36

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.052+/-0.011 χ^2/NDF:1880171.0/19

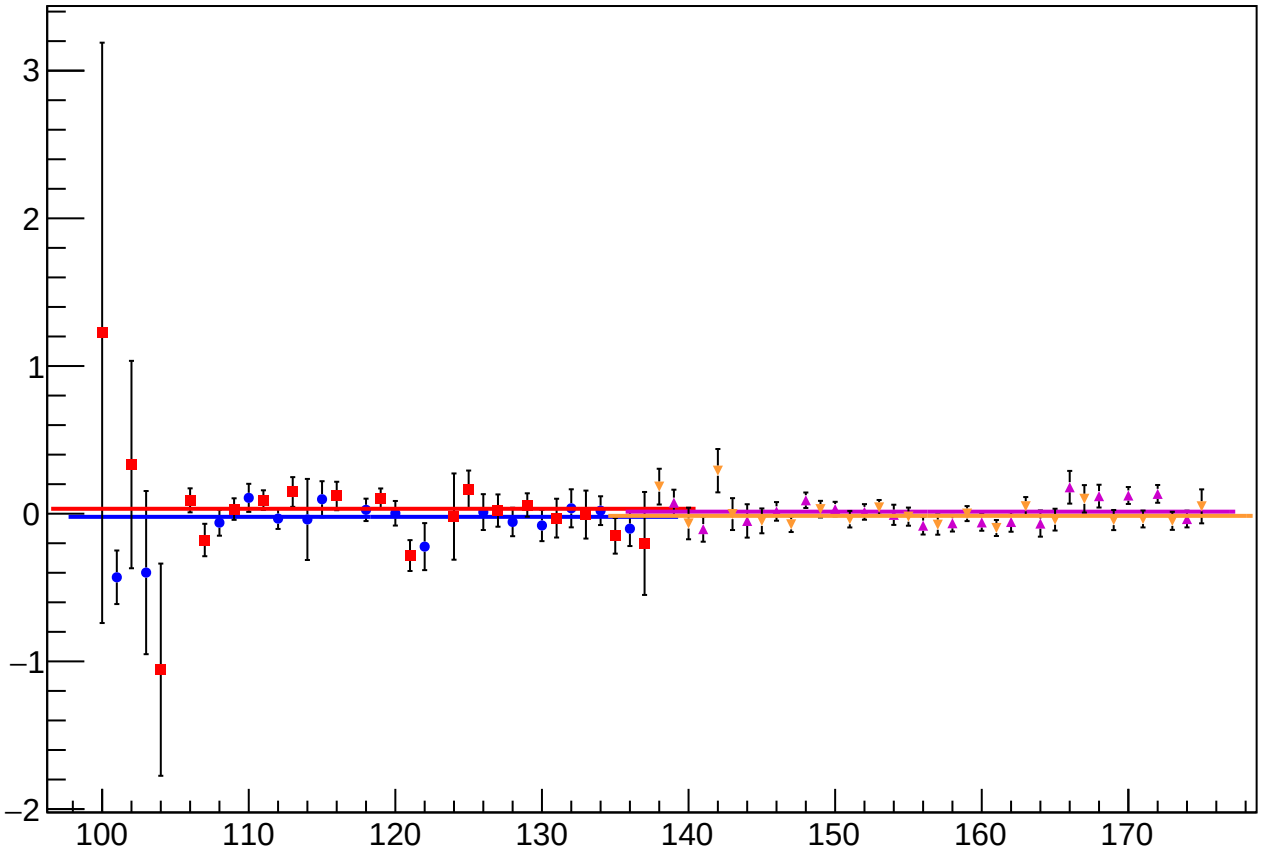
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.047+/-0.011 χ^2/NDF:1181933.7/17

+ sign 55.939+/-0.009 χ^2/NDF: 3949853.0/35

All: 55.239+/-0.006 χ^2/NDF: 7742579.6/72

- sign 54.554+/-0.009 χ^2/NDF: 3781327.2/36



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.015+/-0.015 χ^2/NDF:17.6/19

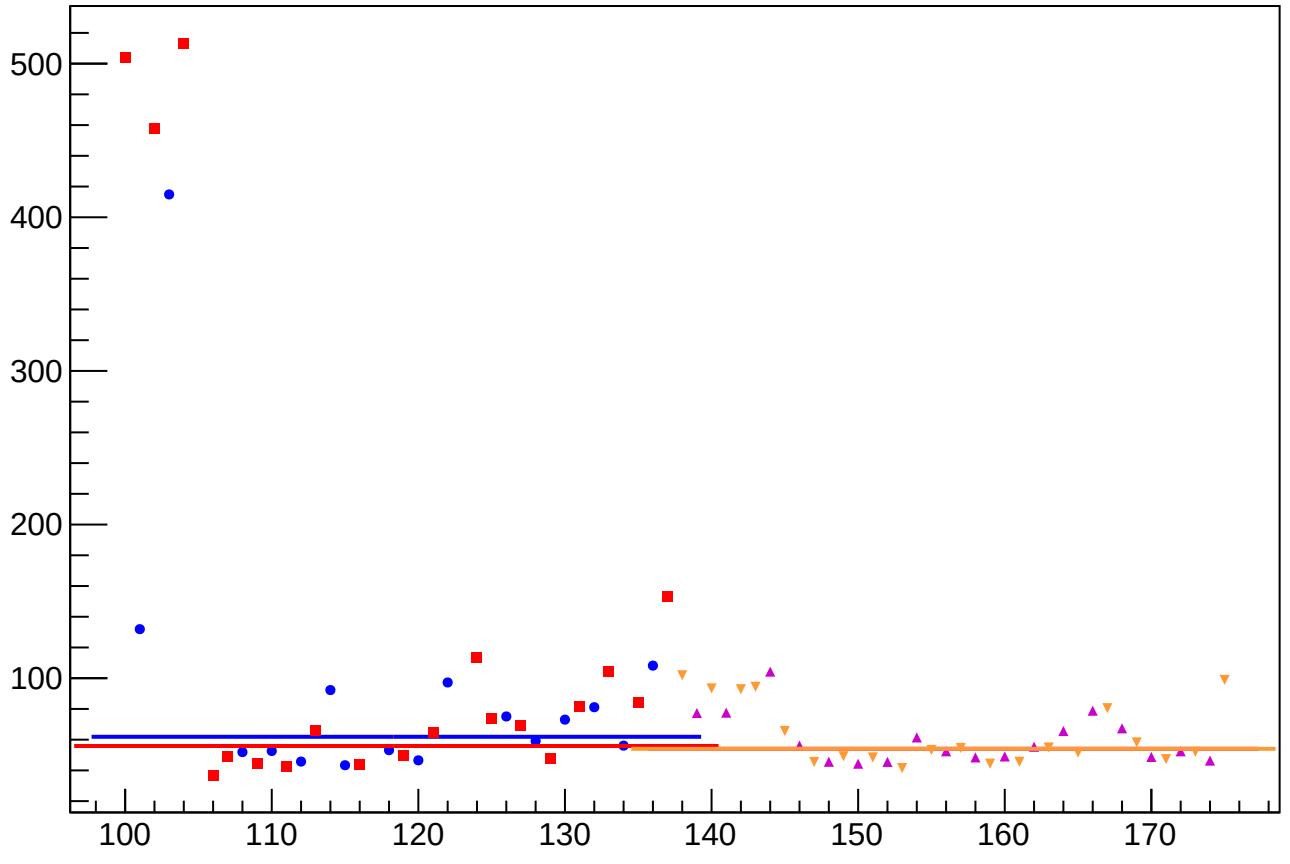
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.014+/-0.015 χ^2/NDF:25.6/17

+ sign -0.016+/-0.013 χ^2/NDF: 29.7/35

All: 0.002+/-0.009 χ^2/NDF: 83.8/72

- sign 0.019+/-0.013 χ^2/NDF: 50.5/36



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.052+/-0.011 χ^2/NDF:1880171.0/19

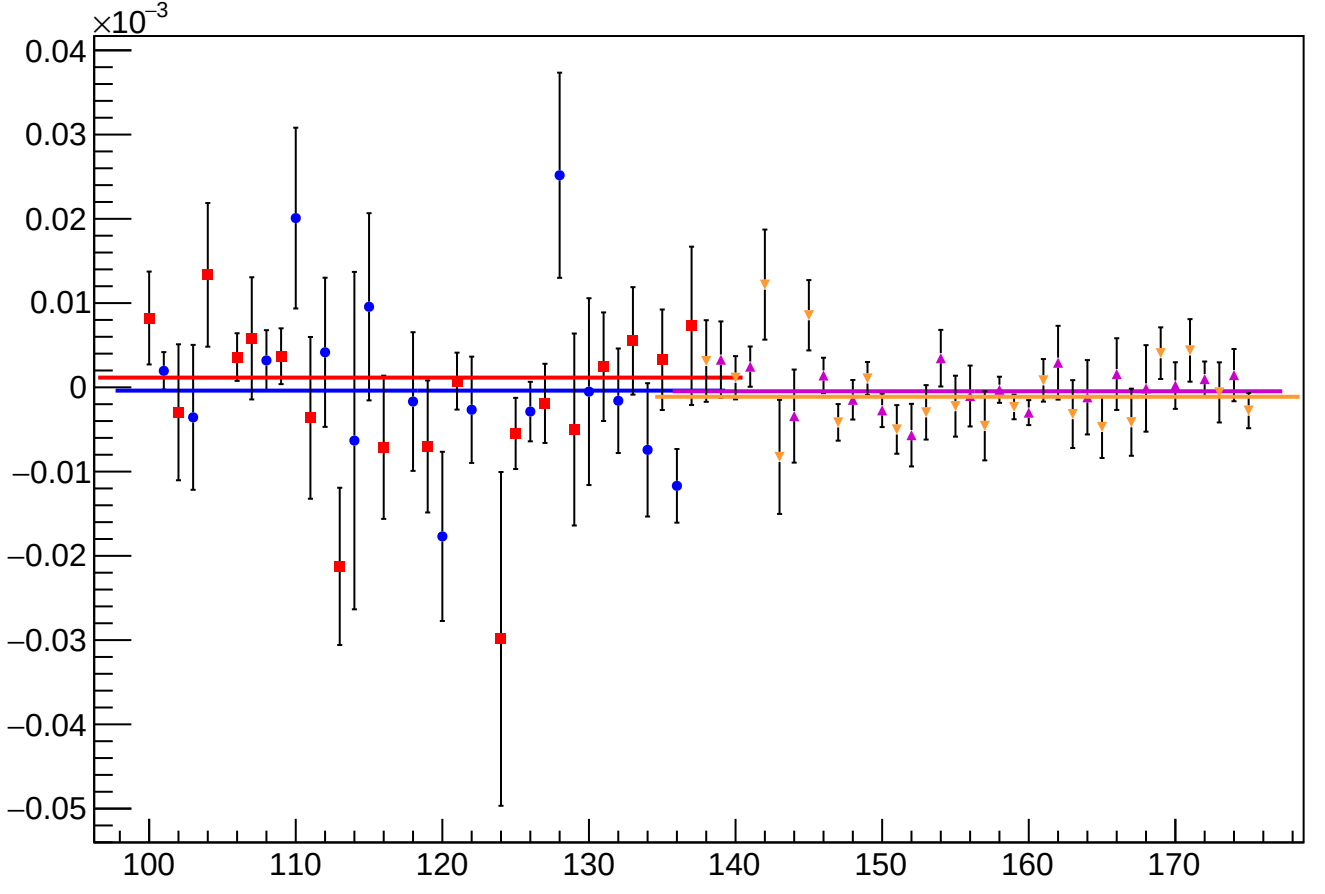
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.047+/-0.011 χ^2/NDF:1181933.7/17

+ sign 55.939+/-0.009 χ^2/NDF: 3949853.0/35

All: 55.239+/-0.006 χ^2/NDF: 7742579.6/72

- sign 54.554+/-0.009 χ^2/NDF: 3781327.2/36



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.1/19

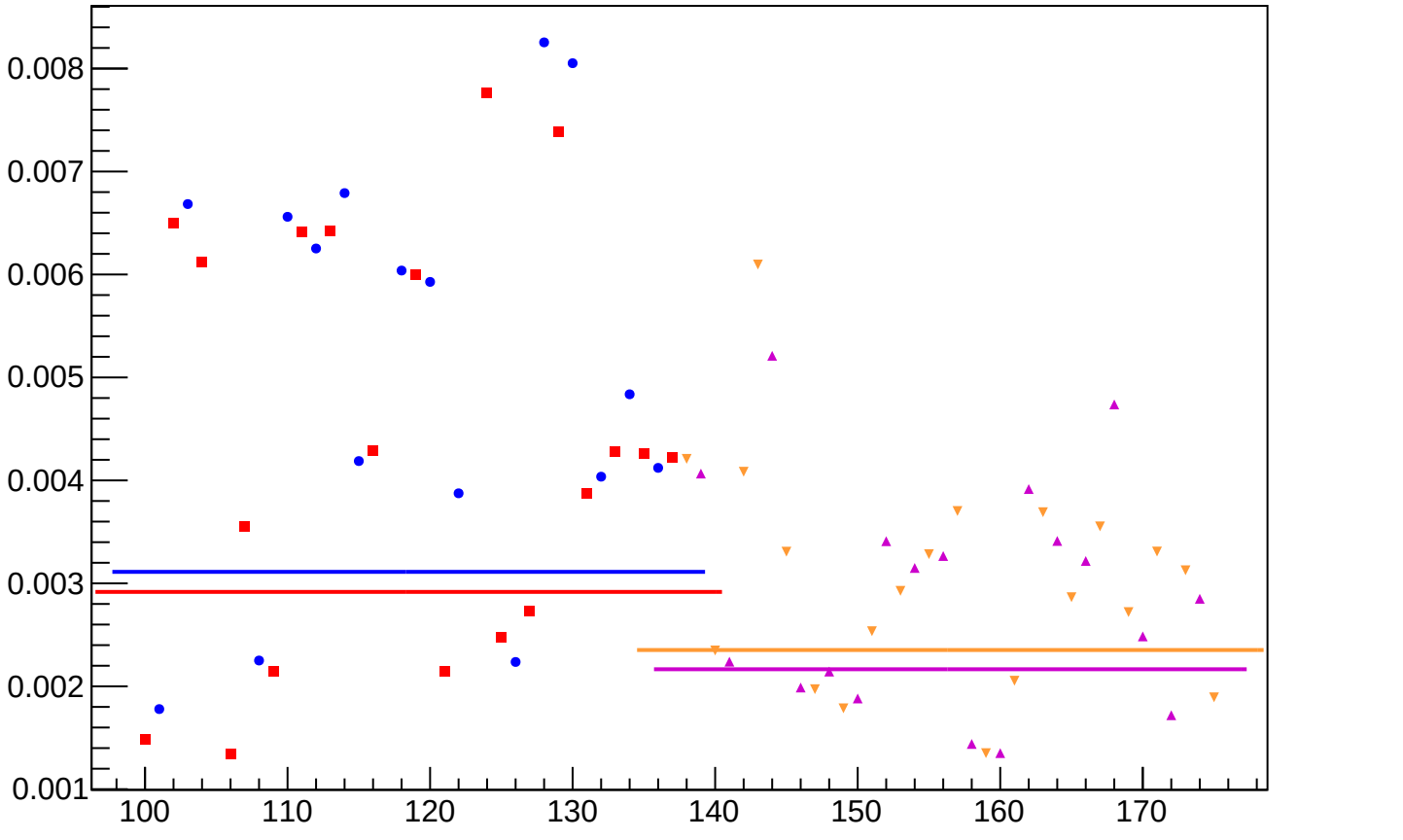
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.8/17

+ sign -0.000+/-0.000 χ^2/NDF: 49.9/35

All: -0.000+/-0.000 χ^2/NDF: 85.6/72

- sign -0.000+/-0.000 χ^2/NDF: 34.6/36



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:3561515.3/19

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

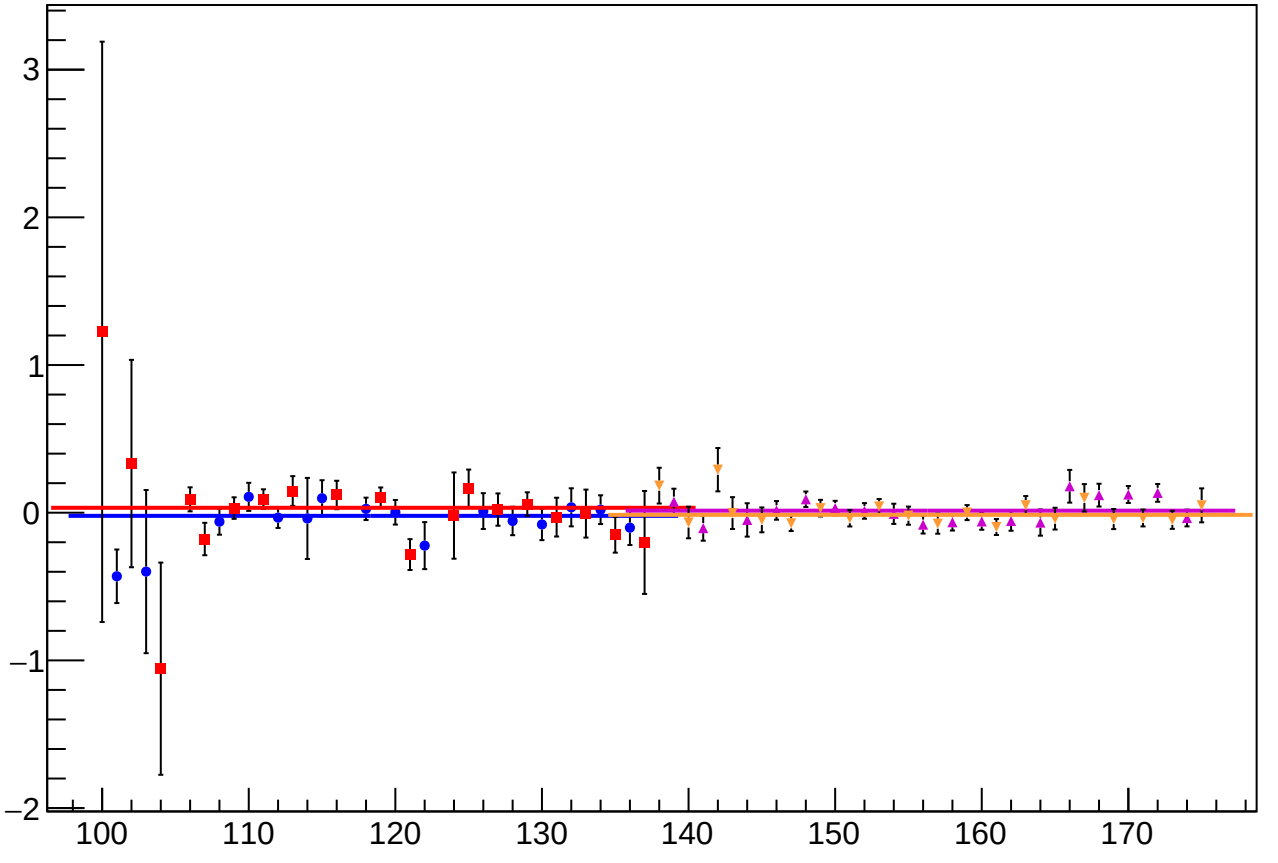
Left In: 0.002+/-0.000 χ^2/NDF:3955965.8/17

+ sign 0.002+/-0.000 χ^2/NDF: 7372967.5/35

All: 0.002+/-0.000 χ^2/NDF: 15314779.8/72

- sign 0.002+/-0.000 χ^2/NDF: 7832972.2/36

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.015+/-0.015 χ^2/NDF:17.6/19

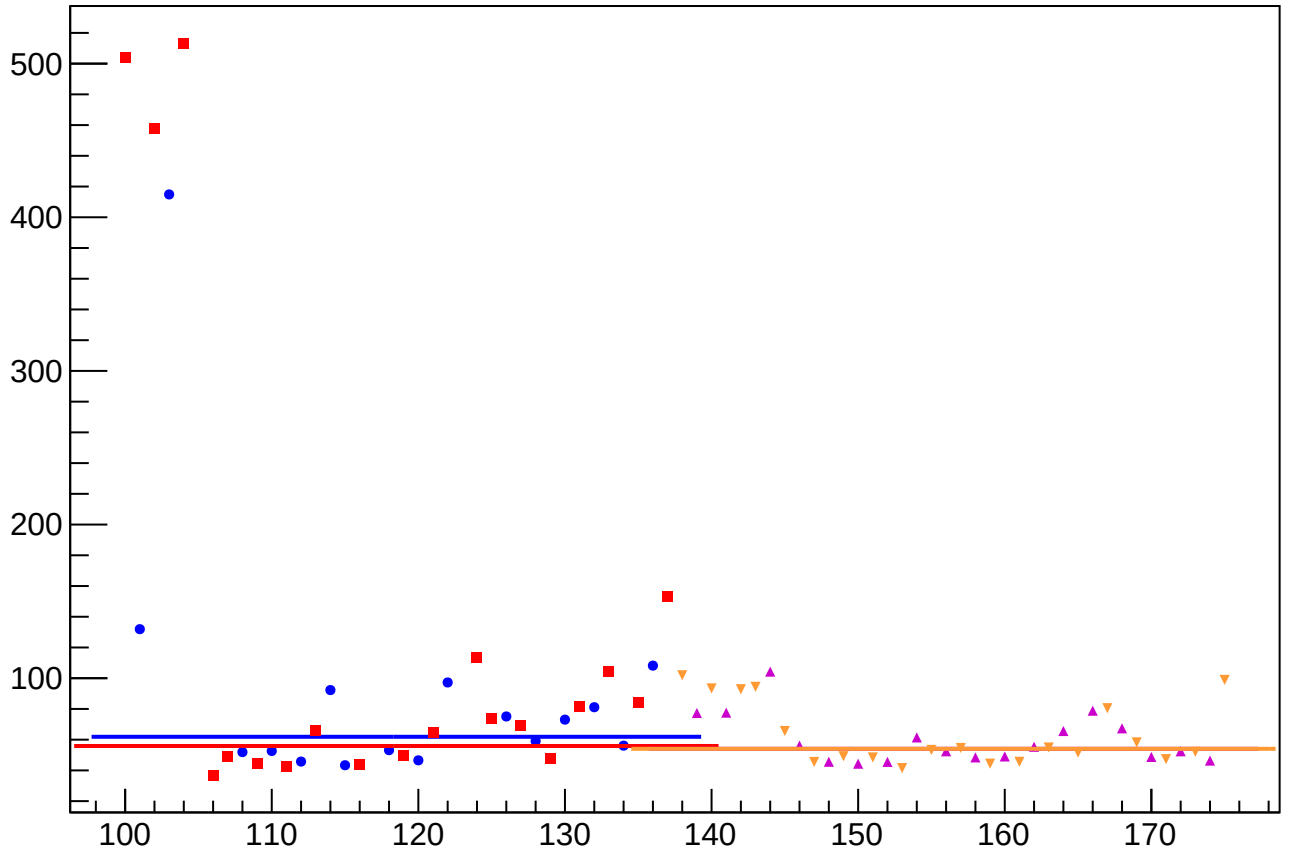
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.014+/-0.015 χ^2/NDF:25.6/17

+ sign -0.016+/-0.013 χ^2/NDF: 29.7/35

All: 0.002+/-0.009 χ^2/NDF: 83.8/72

- sign 0.019+/-0.013 χ^2/NDF: 50.5/36



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.052+/-0.011 χ^2/NDF:1880213.9/19

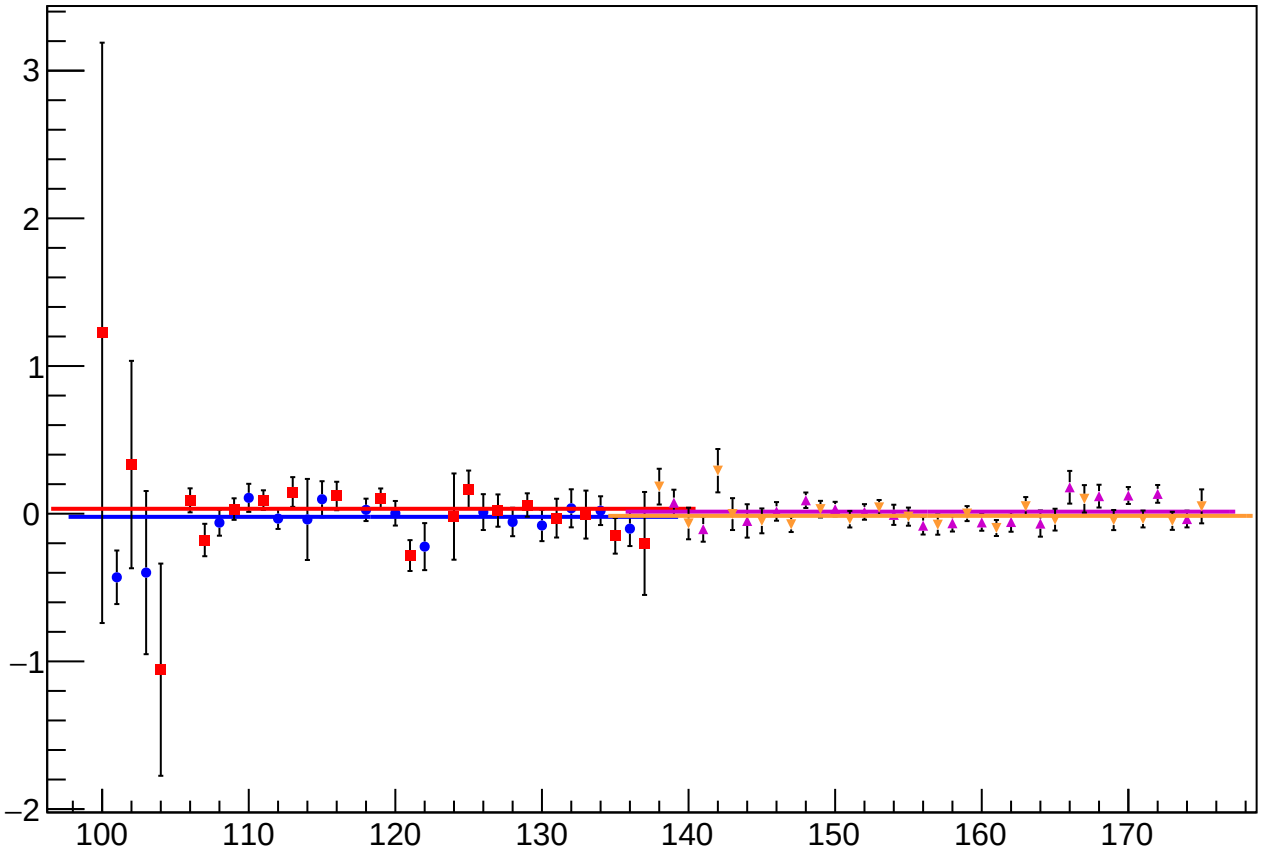
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.047+/-0.011 χ^2/NDF:1181933.1/17

+ sign 55.939+/-0.009 χ^2/NDF: 3949823.6/35

All: 55.239+/-0.006 χ^2/NDF: 7742500.1/72

- sign 54.554+/-0.009 χ^2/NDF: 3781276.4/36



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.015+/-0.015 χ^2/NDF:17.6/19

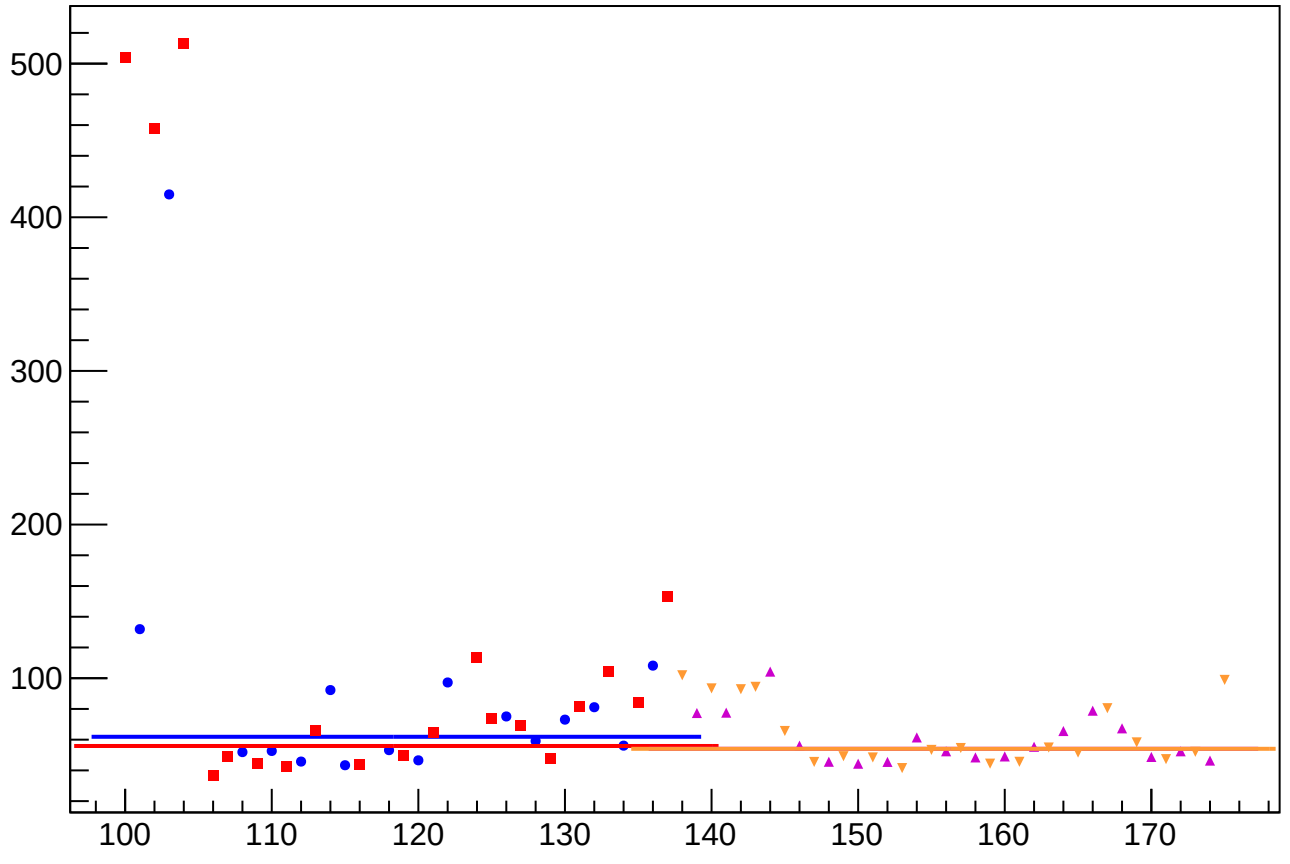
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.014+/-0.015 χ^2/NDF:25.6/17

+ sign -0.016+/-0.013 χ^2/NDF: 29.7/35

All: 0.002+/-0.009 χ^2/NDF: 83.8/72

- sign 0.019+/-0.013 χ^2/NDF: 50.5/36



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.052+/-0.011 χ^2/NDF:1880213.9/19

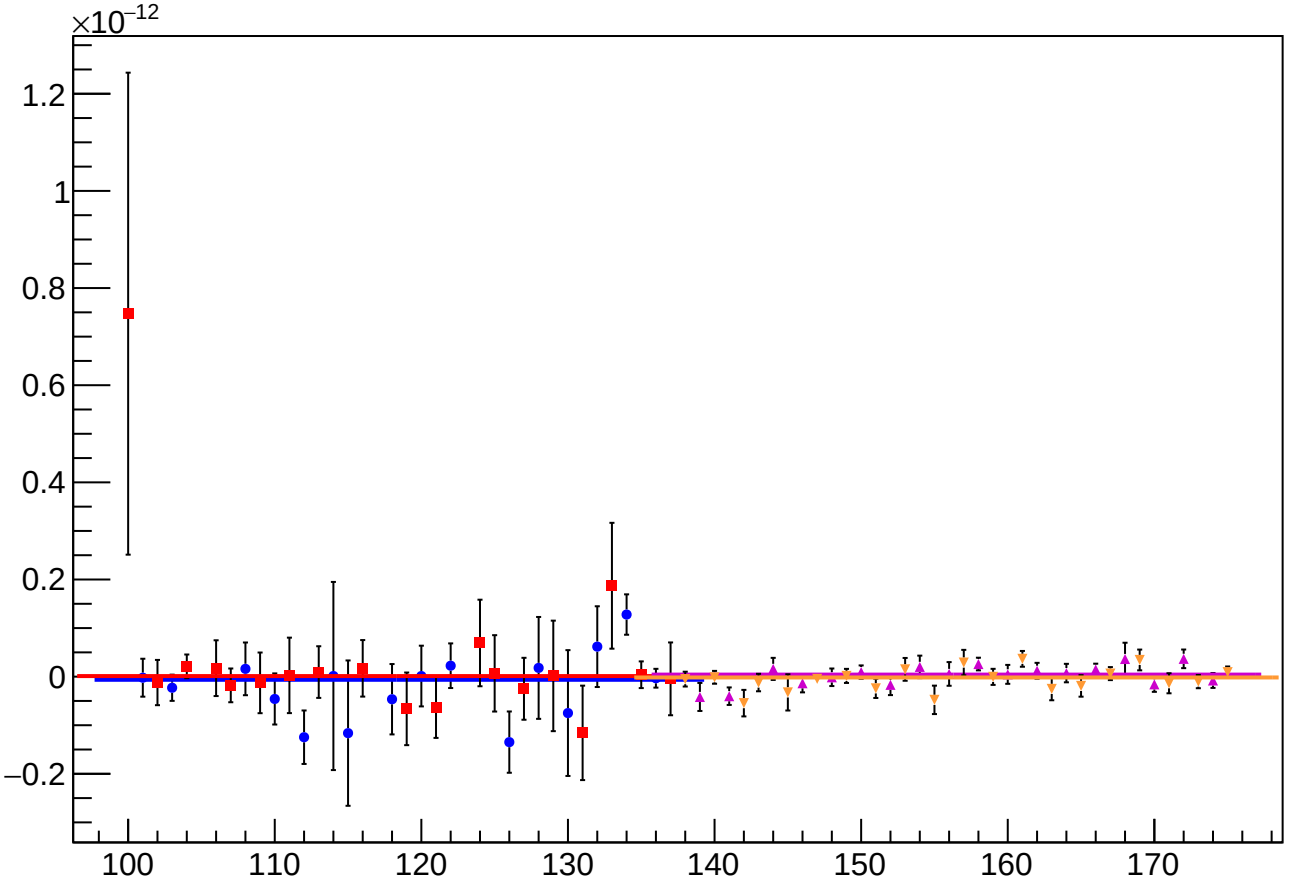
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.047+/-0.011 χ^2/NDF:1181933.1/17

+ sign 55.939+/-0.009 χ^2/NDF: 3949823.6/35

All: 55.239+/-0.006 χ^2/NDF: 7742500.1/72

- sign 54.554+/-0.009 χ^2/NDF: 3781276.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/19

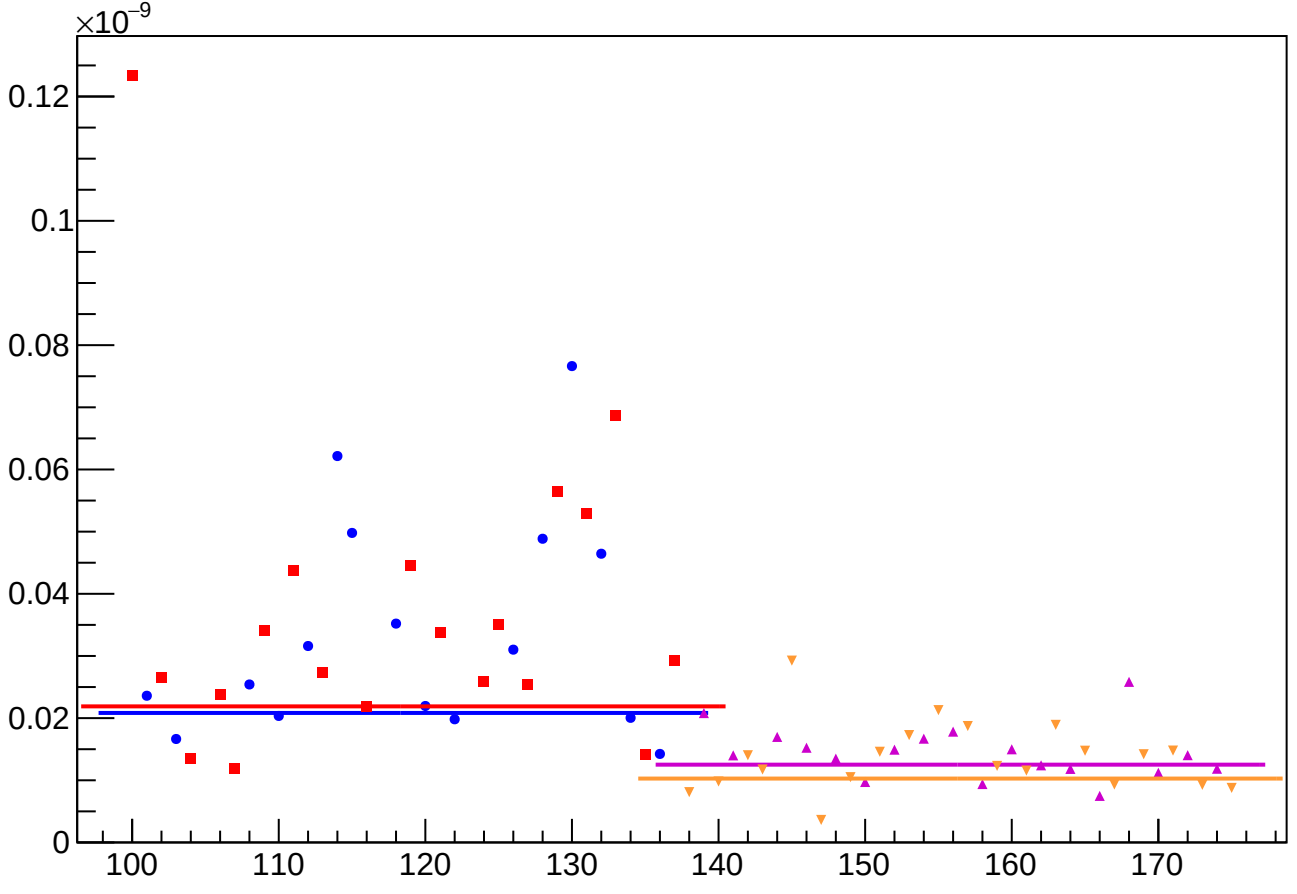
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:21.4/17

\+ sign -0.000+/-0.000 χ^2/NDF: 45.3/35

All: 0.000+/-0.000 χ^2/NDF: 77.8/72

\- sign 0.000+/-0.000 χ^2/NDF: 31.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3263448.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

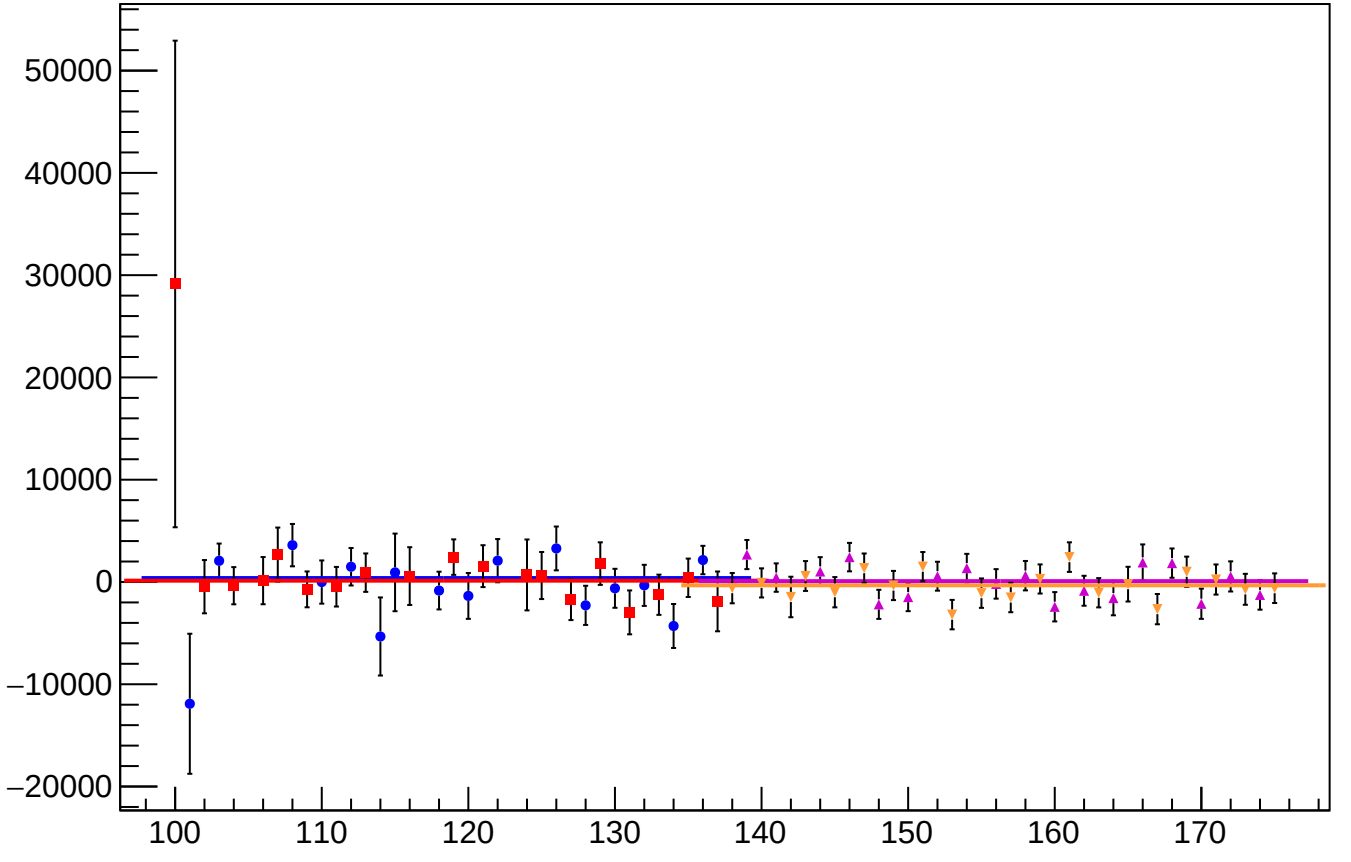
Left In: 0.000+/-0.000 χ^2/NDF:1422879.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 6232561.3/35

All: 0.000+/-0.000 χ^2/NDF: 11041373.1/72

- sign 0.000+/-0.000 χ^2/NDF: 4435238.4/36

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -326.189+/-330.860 χ^2/NDF:16.5/19

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

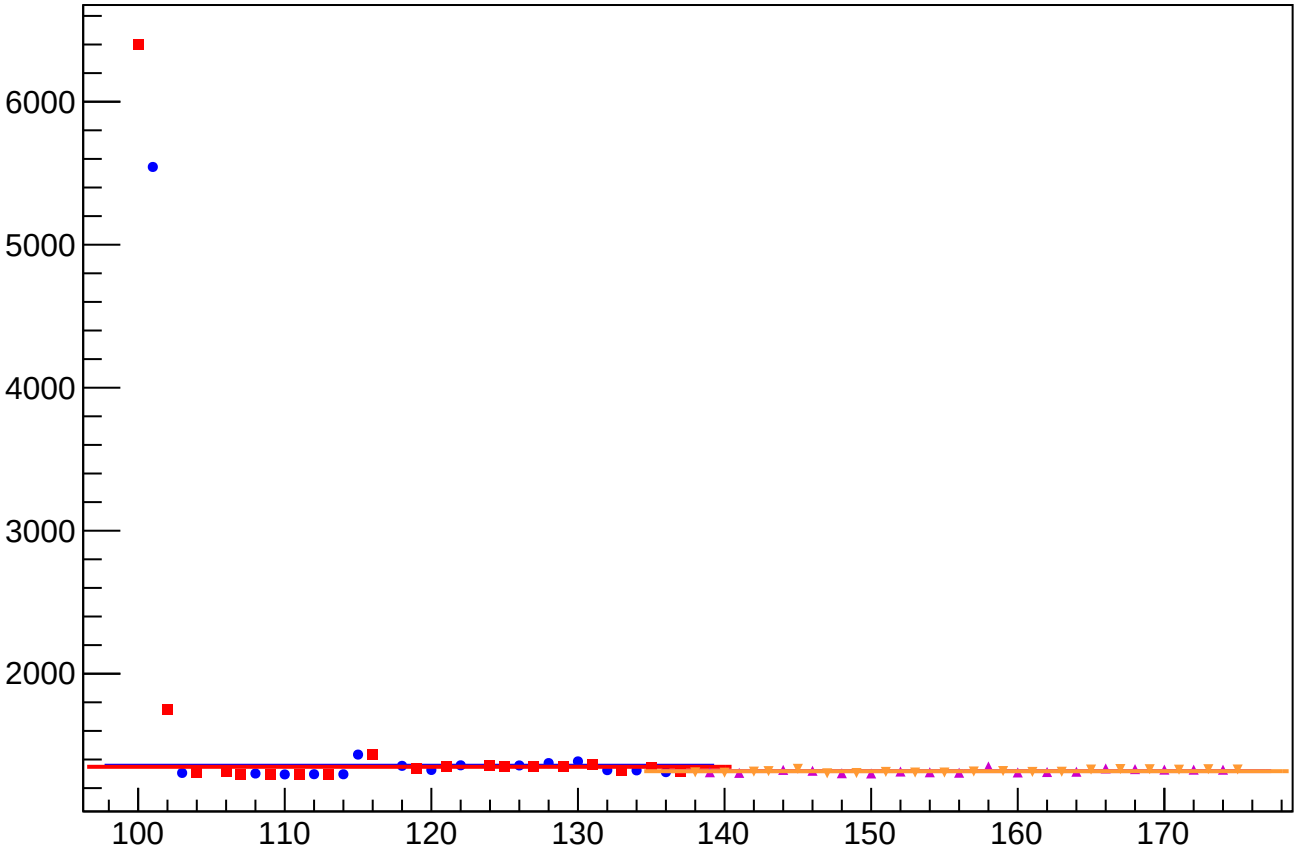
Left In: 81.454+/-341.984 χ^2/NDF:21.9/17

+ sign -121.040+/-278.802 χ^2/NDF: 39.4/35

All: -13.819+/-198.421 χ^2/NDF: 71.5/72

- sign 96.226+/-282.452 χ^2/NDF: 31.9/36

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1318.326+/-0.234 χ^2/NDF:1901.2/19

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

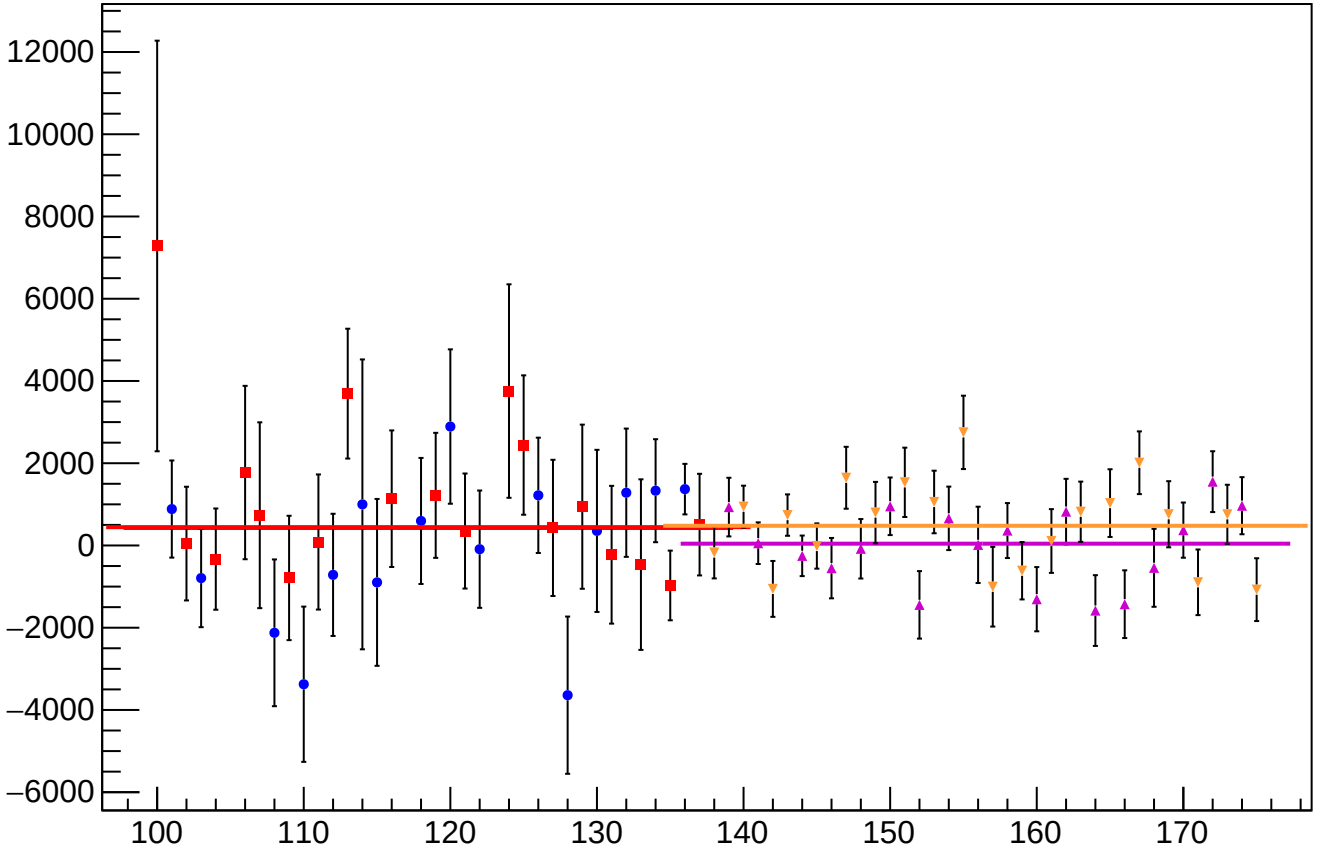
Left In: 1319.260+/-0.242 χ^2/NDF:2848.8/17

+ sign 1329.364+/-0.197 χ^2/NDF: 769844.8/35

All: 1329.039+/-0.140 χ^2/NDF: 924764.3/72

- sign 1328.705+/-0.200 χ^2/NDF: 154913.9/36

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 478.828+/-157.449 χ^2/NDF:36.4/19

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

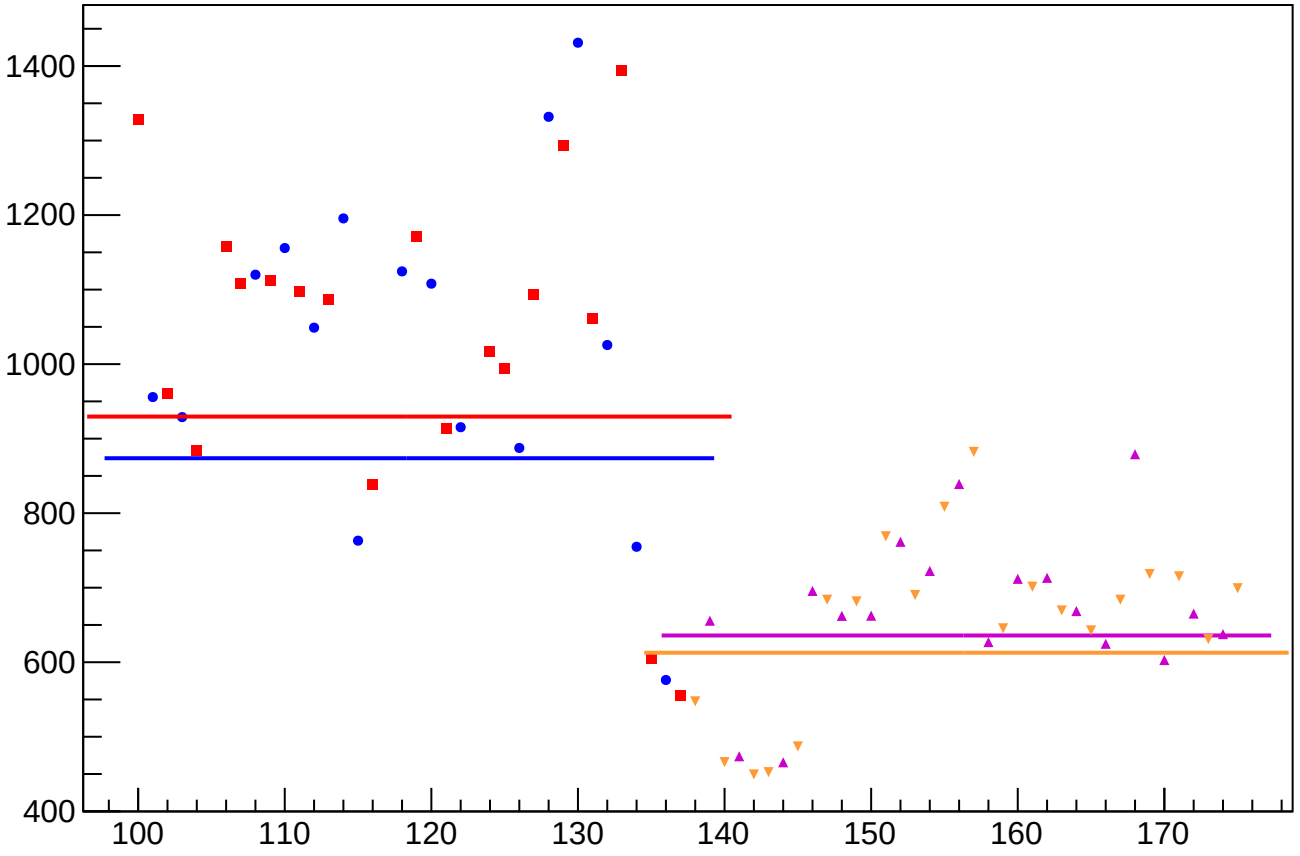
Left In: 43.517+/-167.535 χ^2/NDF:25.7/17

+ sign 470.206+/-142.758 χ^2/NDF: 54.6/35

All: 303.854+/-103.917 χ^2/NDF: 98.7/72

- sign 116.367+/-151.557 χ^2/NDF: 41.1/36

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 612.758+/-0.111 χ^2/NDF:1142269.2/19

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

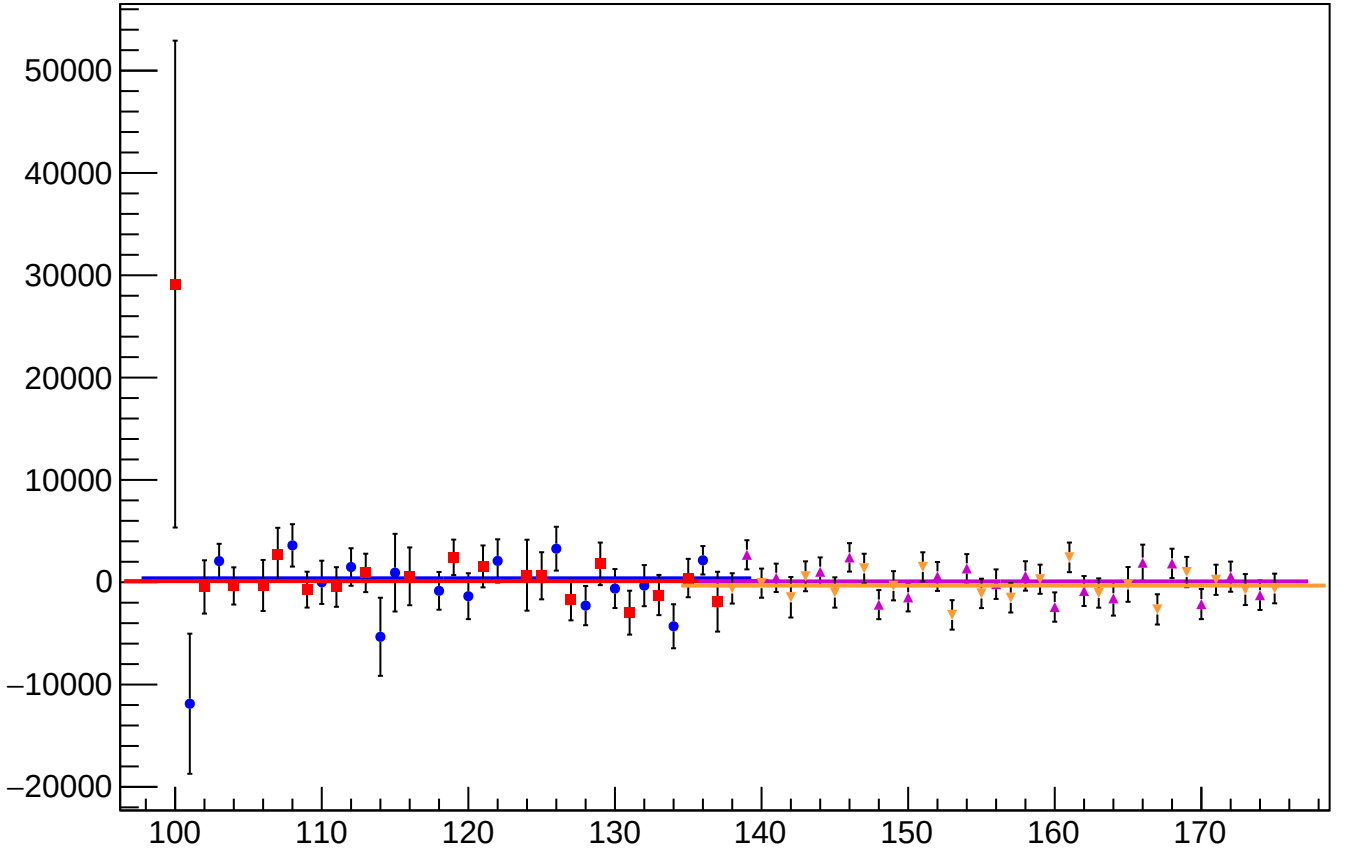
Left In: 635.886+/-0.118 χ^2/NDF:812670.7/17

+ sign 659.187+/-0.101 χ^2/NDF: 3134672.3/35

All: 673.319+/-0.073 χ^2/NDF: 5965873.9/72

- sign 689.246+/-0.107 χ^2/NDF: 2789514.3/36

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -326.212+/-330.860 χ^2/NDF:16.5/19

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

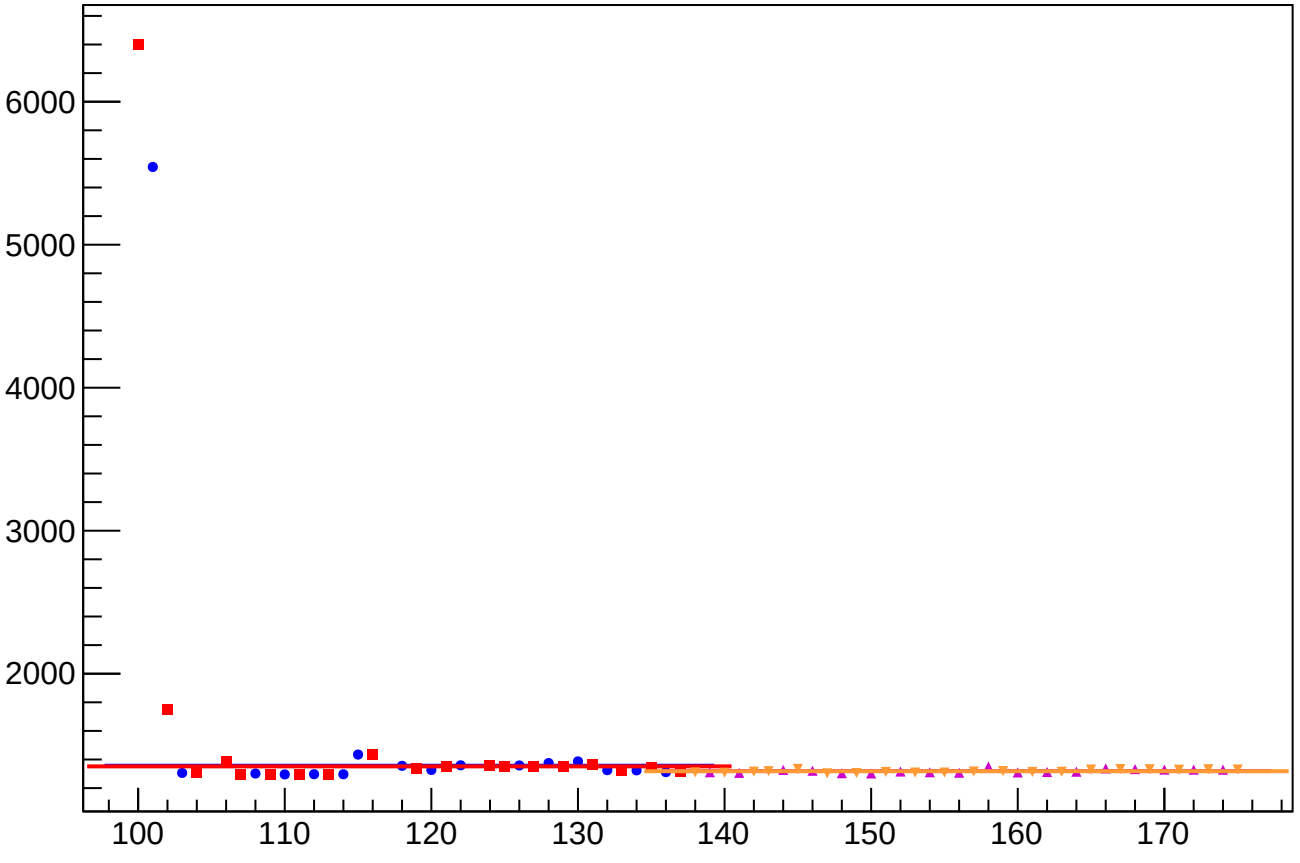
Left In: 81.497+/-341.984 χ^2/NDF:21.9/17

+ sign -120.966+/-278.802 χ^2/NDF: 39.4/35

All: -16.671+/-198.526 χ^2/NDF: 71.5/72

- sign 90.603+/-282.757 χ^2/NDF: 31.9/36

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1318.326+/-0.234 χ^2/NDF:1901.2/19

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

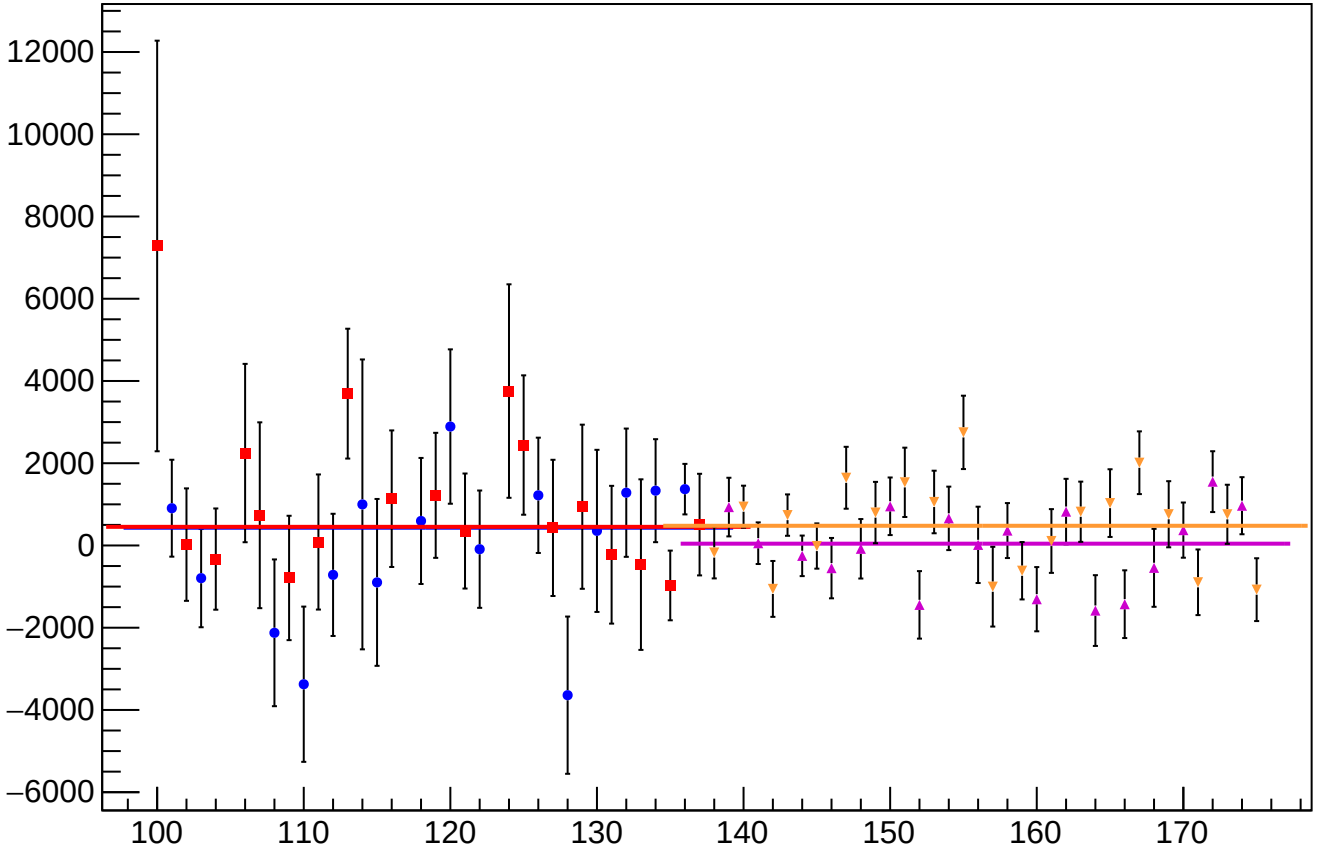
Left In: 1319.260+/-0.242 χ^2/NDF:2848.8/17

+ sign 1329.364+/-0.197 χ^2/NDF: 769843.9/35

All: 1329.502+/-0.140 χ^2/NDF: 925849.3/72

- sign 1329.645+/-0.200 χ^2/NDF: 156004.4/36

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 478.810+/-157.449 χ^2/NDF:36.4/19

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

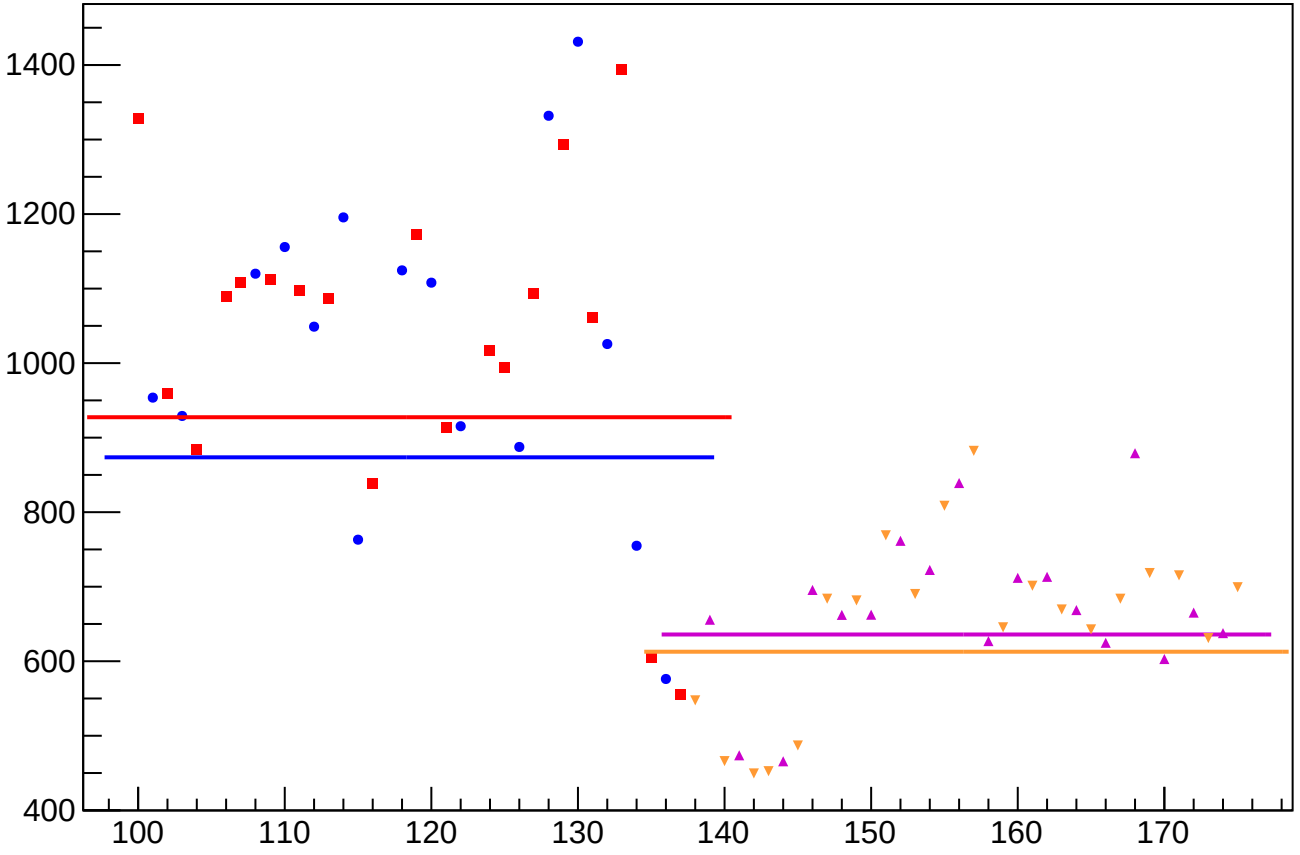
Left In: 43.517+/-167.534 χ^2/NDF:25.7/17

+ sign 470.504+/-142.754 χ^2/NDF: 54.7/35

All: 304.741+/-103.915 χ^2/NDF: 99.0/72

- sign 117.905+/-151.556 χ^2/NDF: 41.5/36

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 612.758+/-0.111 χ^2/NDF:1142188.4/19

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

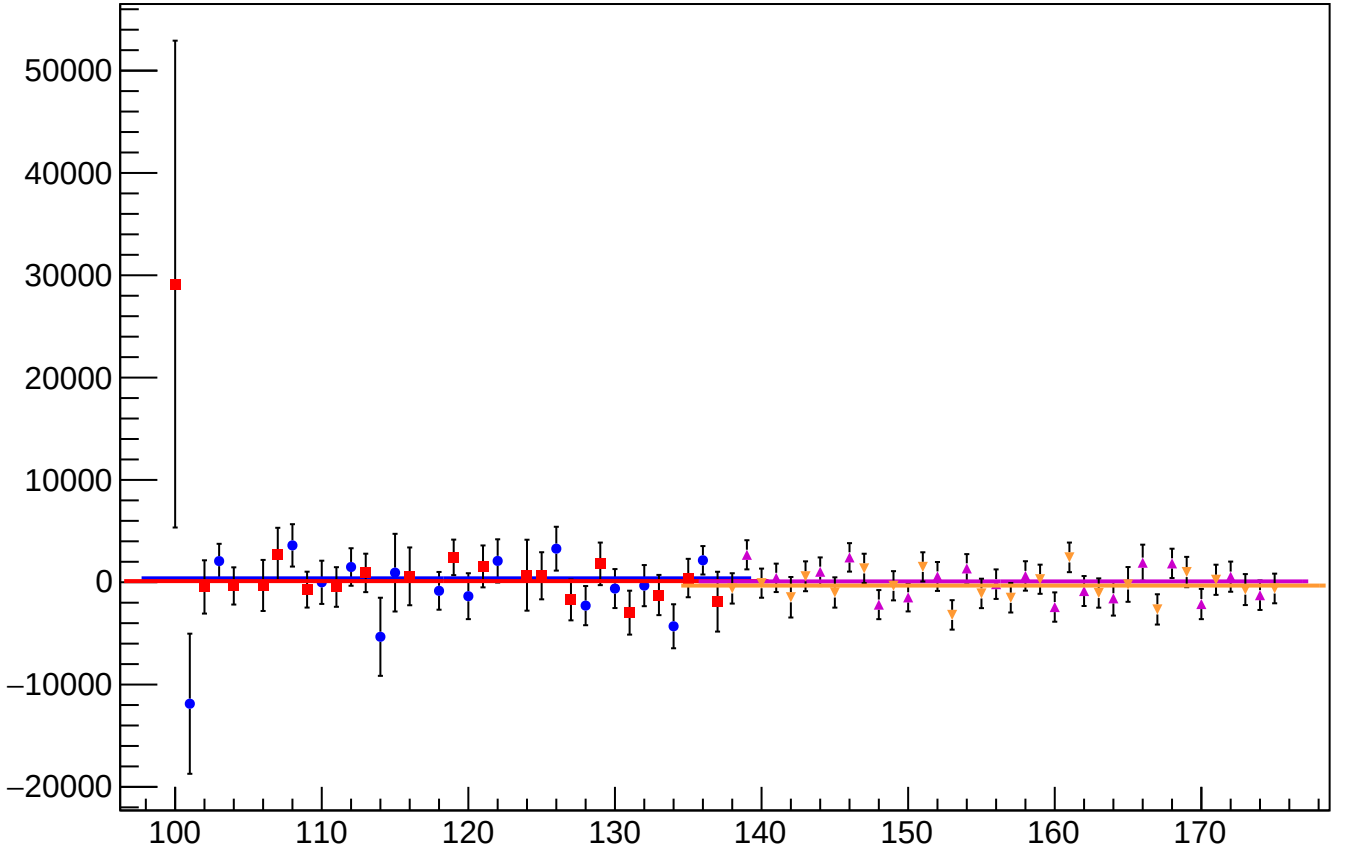
Left In: 635.880+/-0.118 χ^2/NDF:812735.1/17

+ sign 659.177+/-0.101 χ^2/NDF: 3133458.2/35

All: 673.120+/-0.073 χ^2/NDF: 5934195.2/72

- sign 688.835+/-0.107 χ^2/NDF: 2760155.1/36

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -326.212+/-330.860 χ^2/NDF:16.5/19

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

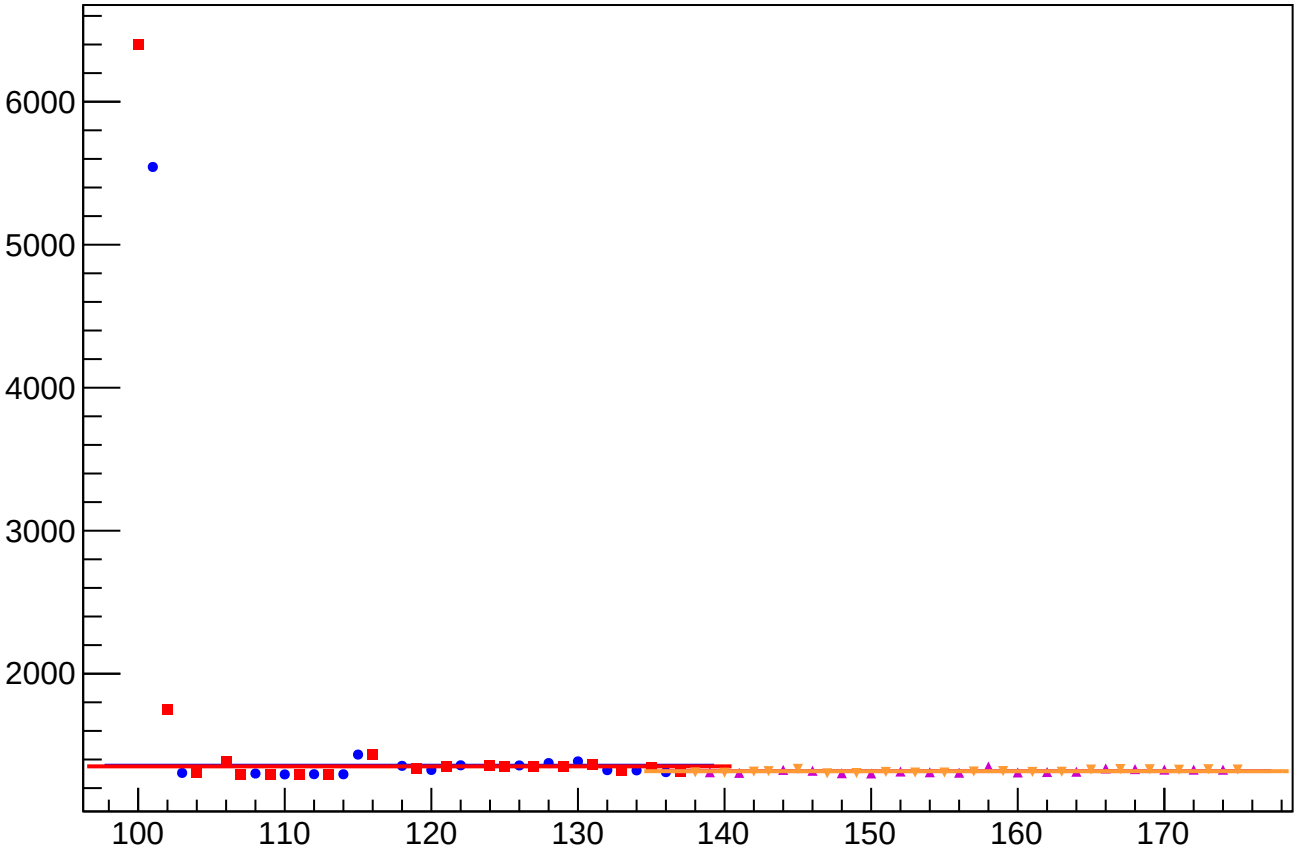
Left In: 81.497+/-341.984 χ^2/NDF:21.9/17

+ sign -120.966+/-278.802 χ^2/NDF: 39.4/35

All: -16.671+/-198.526 χ^2/NDF: 71.5/72

- sign 90.603+/-282.757 χ^2/NDF: 31.9/36

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1318.326+/-0.234 χ^2/NDF:1901.2/19

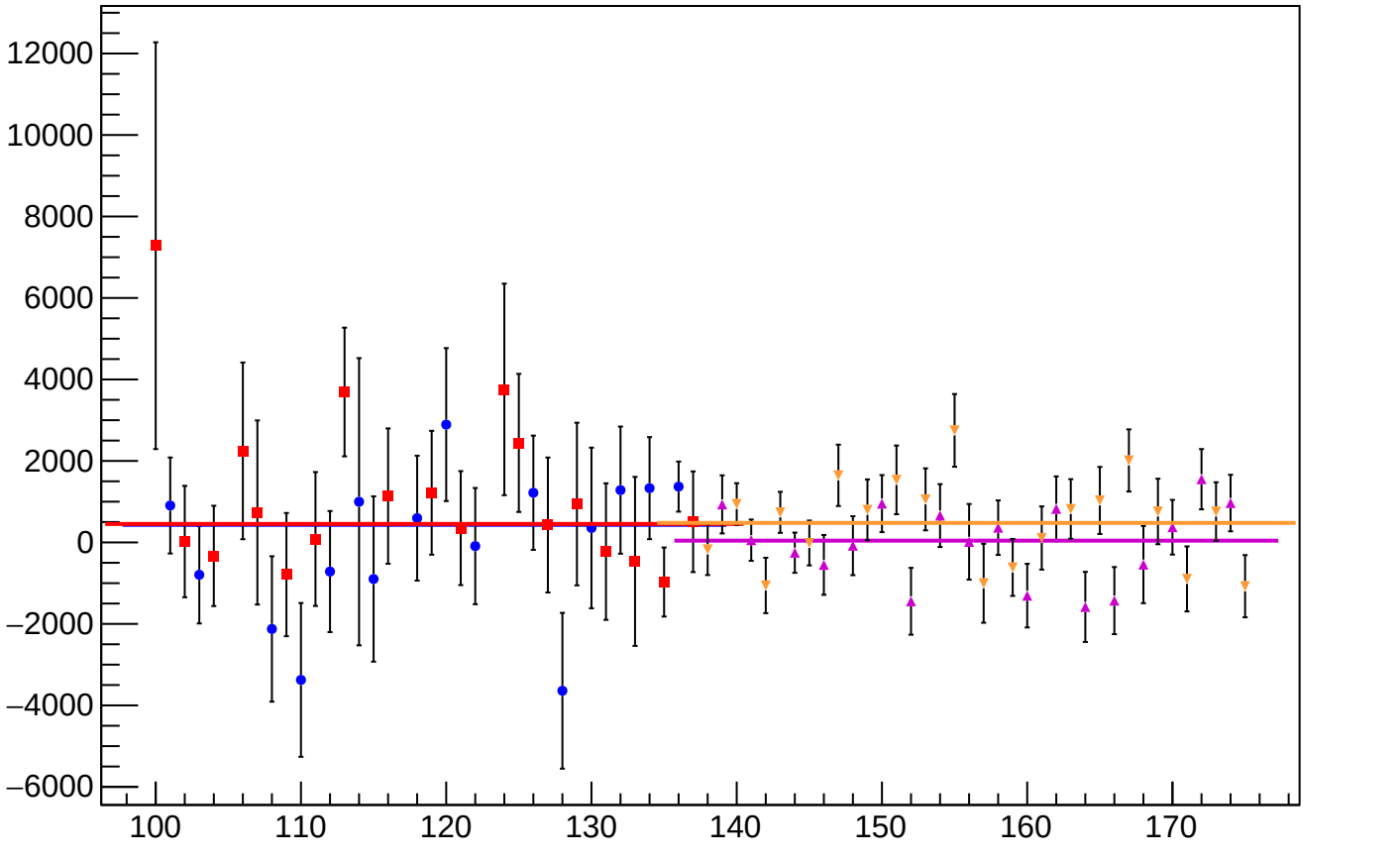
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1319.260+/-0.242 χ^2/NDF:2848.8/17

+ sign 1329.364+/-0.197 χ^2/NDF: 769843.9/35

All: 1329.502+/-0.140 χ^2/NDF: 925849.3/72

- sign 1329.645+/-0.200 χ^2/NDF: 156004.4/36



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 478.810+/-157.449 χ^2/NDF:36.4/19

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

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+ sign 470.504+/-142.754 χ^2/NDF: 54.7/35

All: 304.741+/-103.915 χ^2/NDF: 99.0/72

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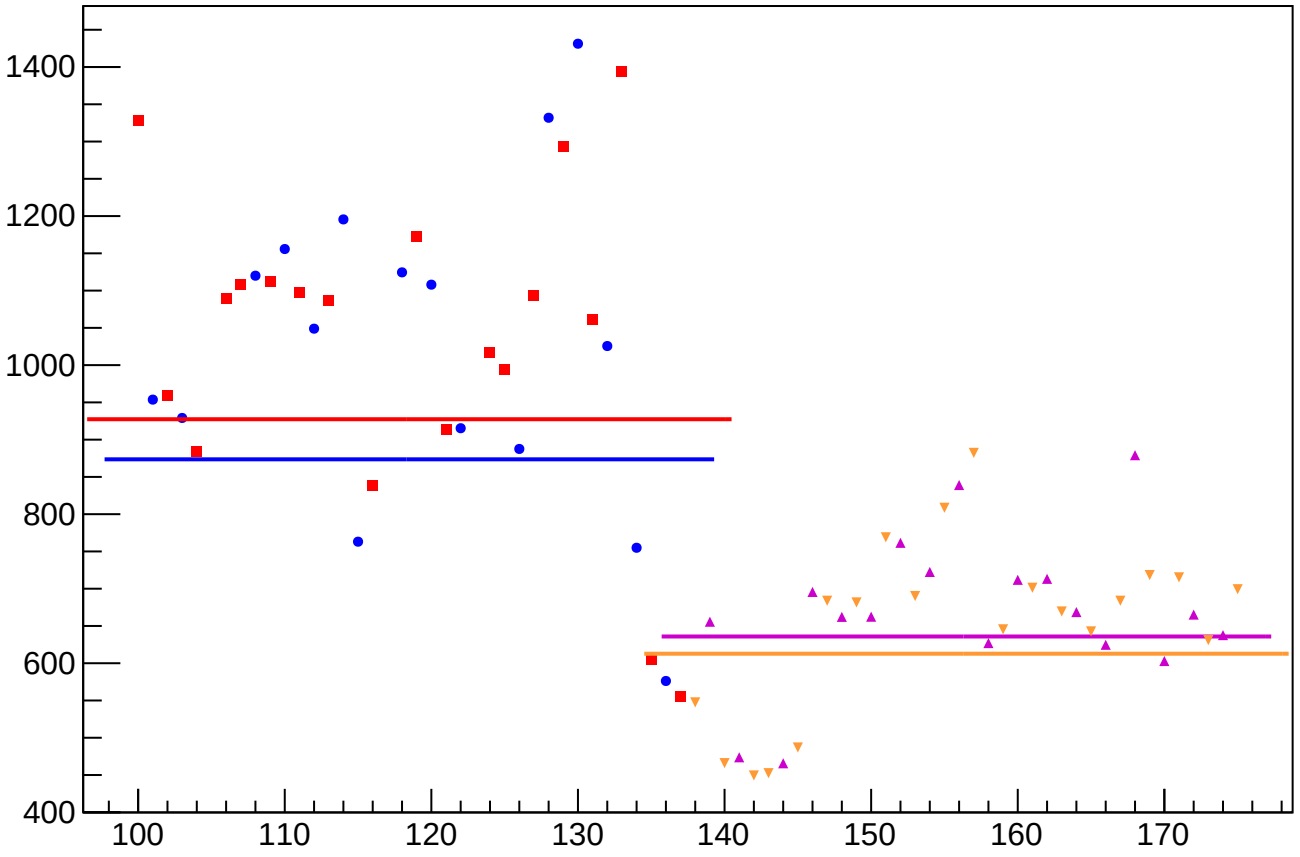

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Left Out: 612.758+/-0.111 χ^2/NDF:1142188.4/19

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

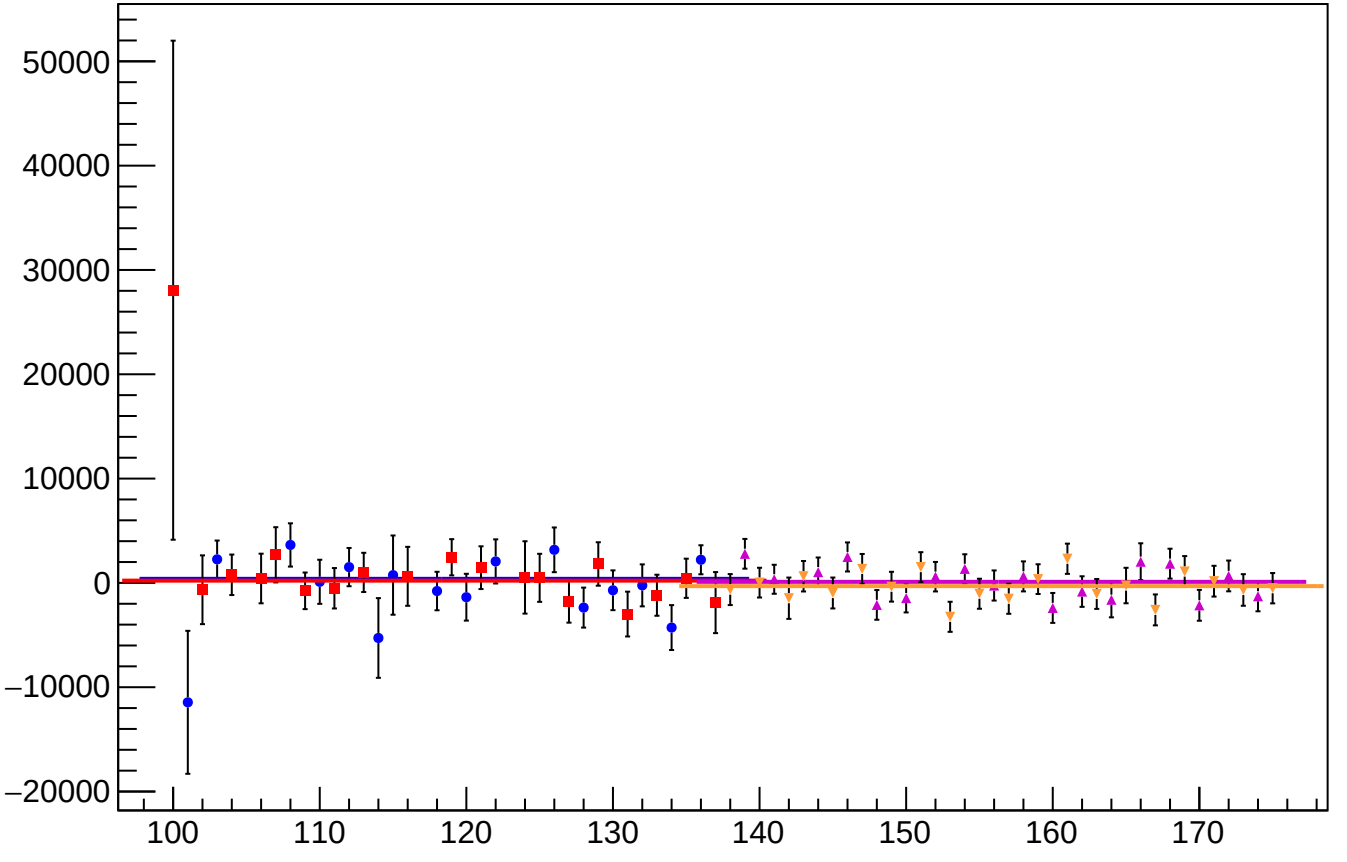
Left In: 635.880+/-0.118 χ^2/NDF:812735.1/17

+ sign 659.177+/-0.101 χ^2/NDF: 3133458.2/35

All: 673.120+/-0.073 χ^2/NDF: 5934195.2/72

- sign 688.835+/-0.107 χ^2/NDF: 2760155.1/36

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -311.734+/-331.154 χ^2/NDF:16.4/19

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

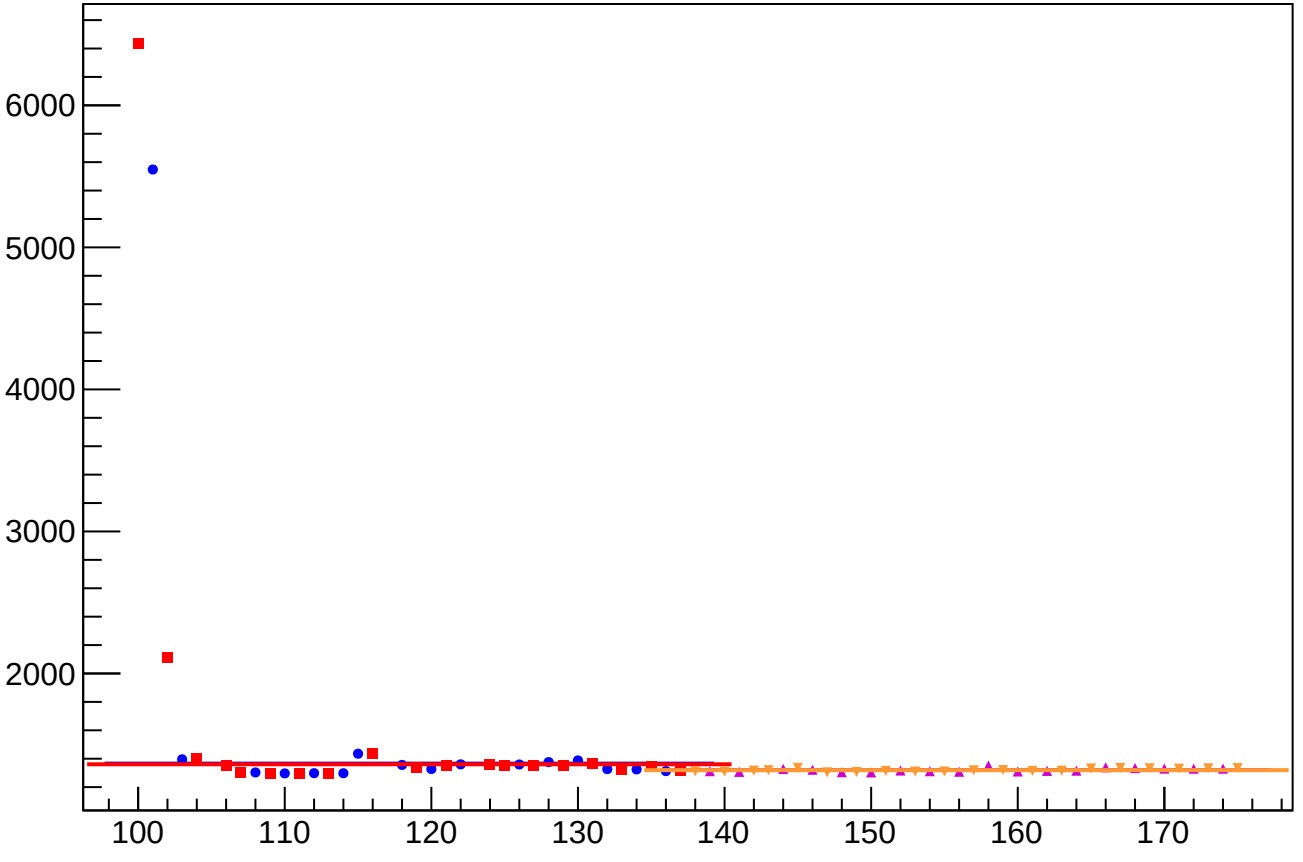
Left In: 101.730+/-342.243 χ^2/NDF:22.3/17

+ sign -109.912+/-279.501 χ^2/NDF: 39.0/35

All: 12.187+/-199.148 χ^2/NDF: 71.7/72

- sign 138.093+/-283.825 χ^2/NDF: 32.3/36

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1319.493+/-0.234 χ^2/NDF:1970.6/19

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

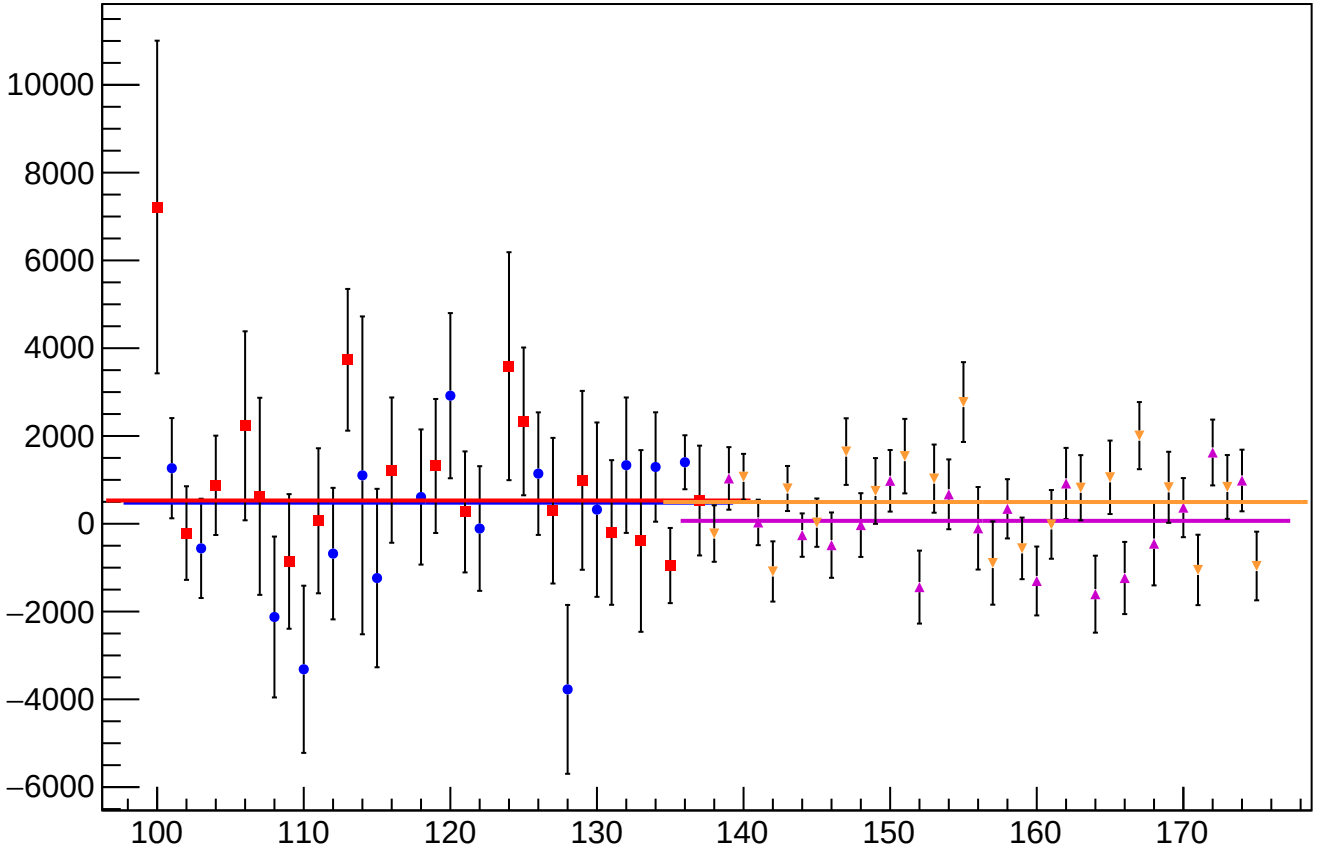
Left In: 1320.256+/-0.242 χ^2/NDF:2874.8/17

+ sign 1332.669+/-0.198 χ^2/NDF: 771922.9/35

All: 1332.786+/-0.141 χ^2/NDF: 988865.2/72

- sign 1332.906+/-0.201 χ^2/NDF: 216941.7/36

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 495.556+/-159.300 χ^2/NDF:36.5/19

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

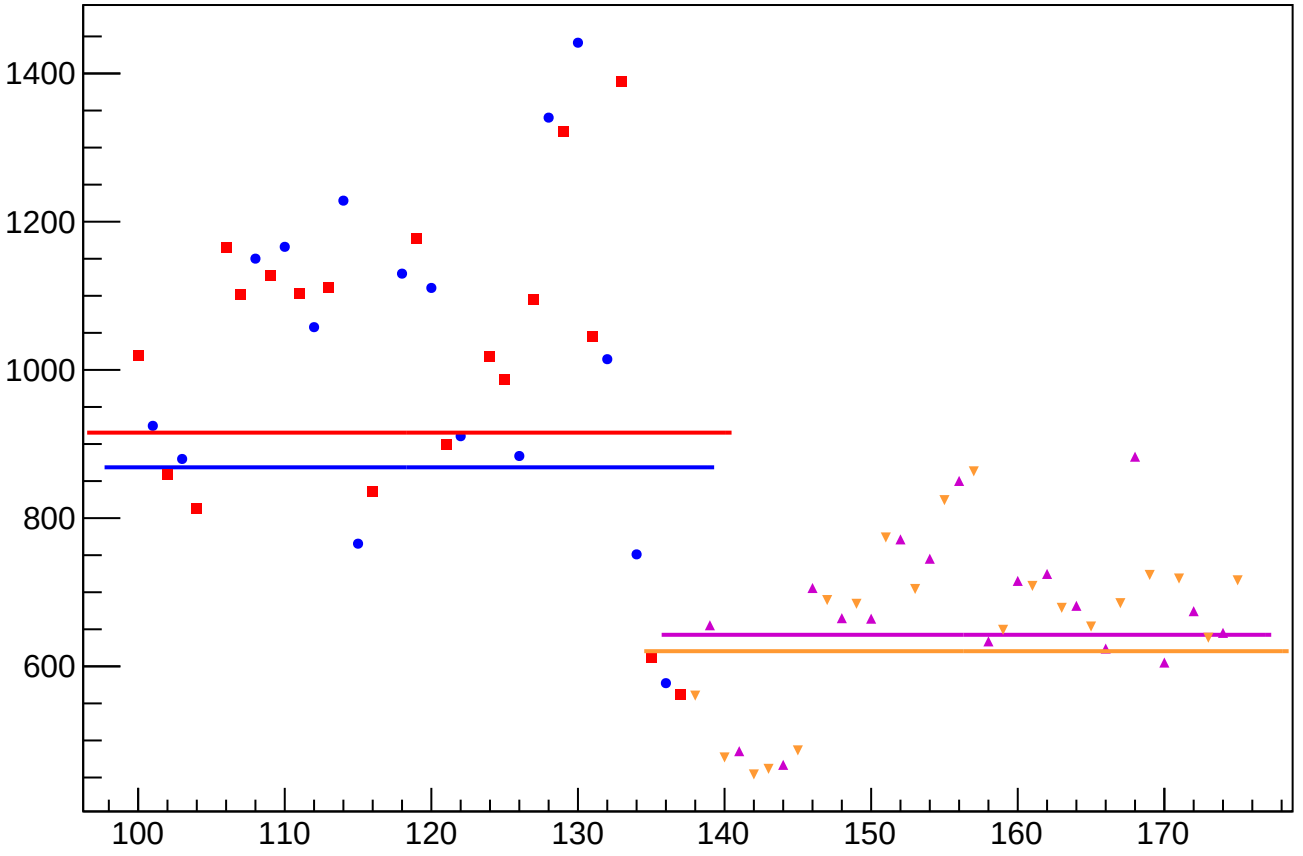
Left In: 66.327+/-169.253 χ^2/NDF:25.4/17

+ sign 492.782+/-143.983 χ^2/NDF: 55.1/35

All: 333.518+/-104.546 χ^2/NDF: 100.2/72

- sign 155.914+/-152.047 χ^2/NDF: 42.5/36

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 620.463+/-0.113 χ^2/NDF:1098246.6/19

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

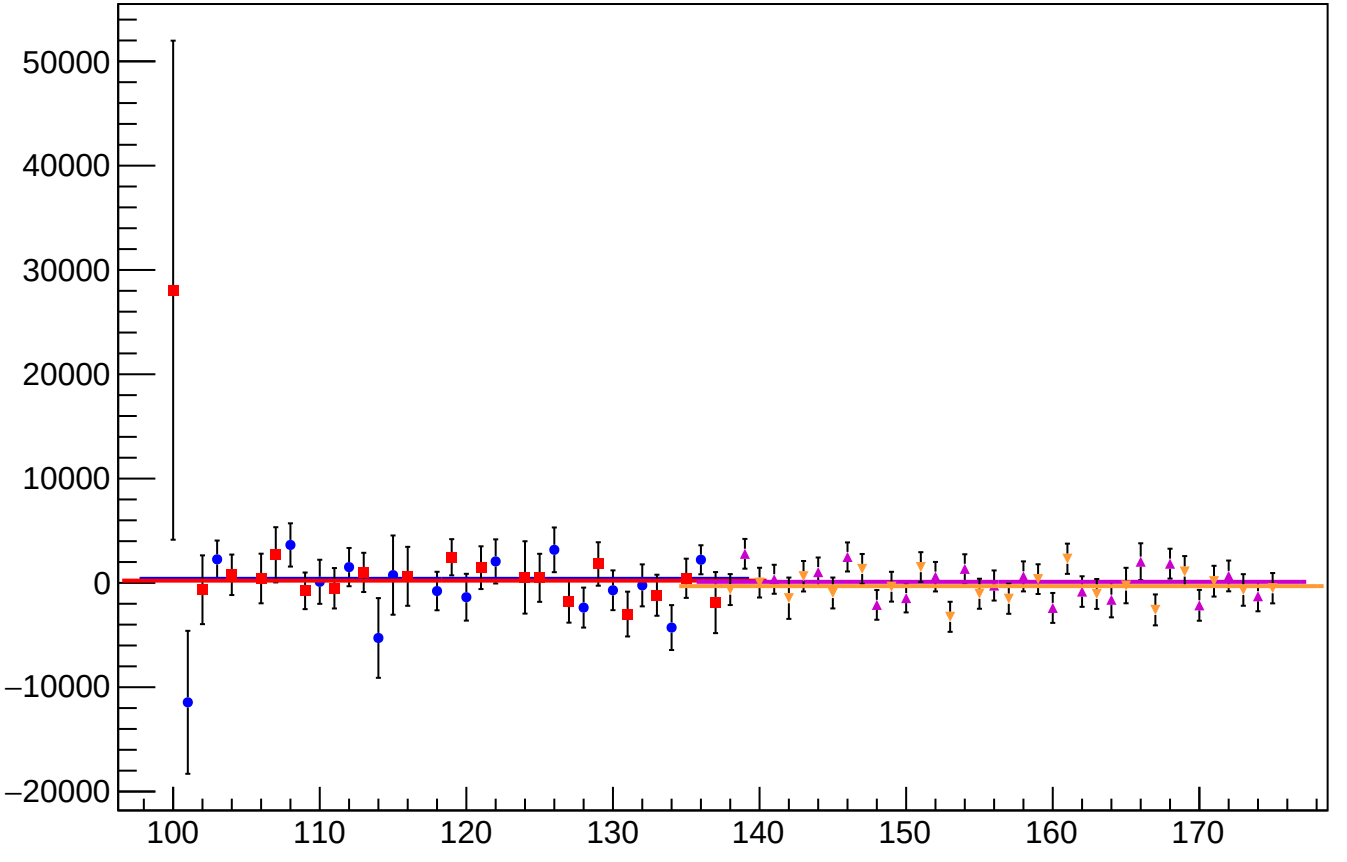
Left In: 642.573+/-0.120 χ^2/NDF:813575.0/17

+ sign 665.882+/-0.102 χ^2/NDF: 3007728.0/35

All: 679.752+/-0.074 χ^2/NDF: 5722092.8/72

- sign 695.219+/-0.108 χ^2/NDF: 2675109.9/36

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -311.736+/-331.154 χ^2/NDF:16.4/19

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

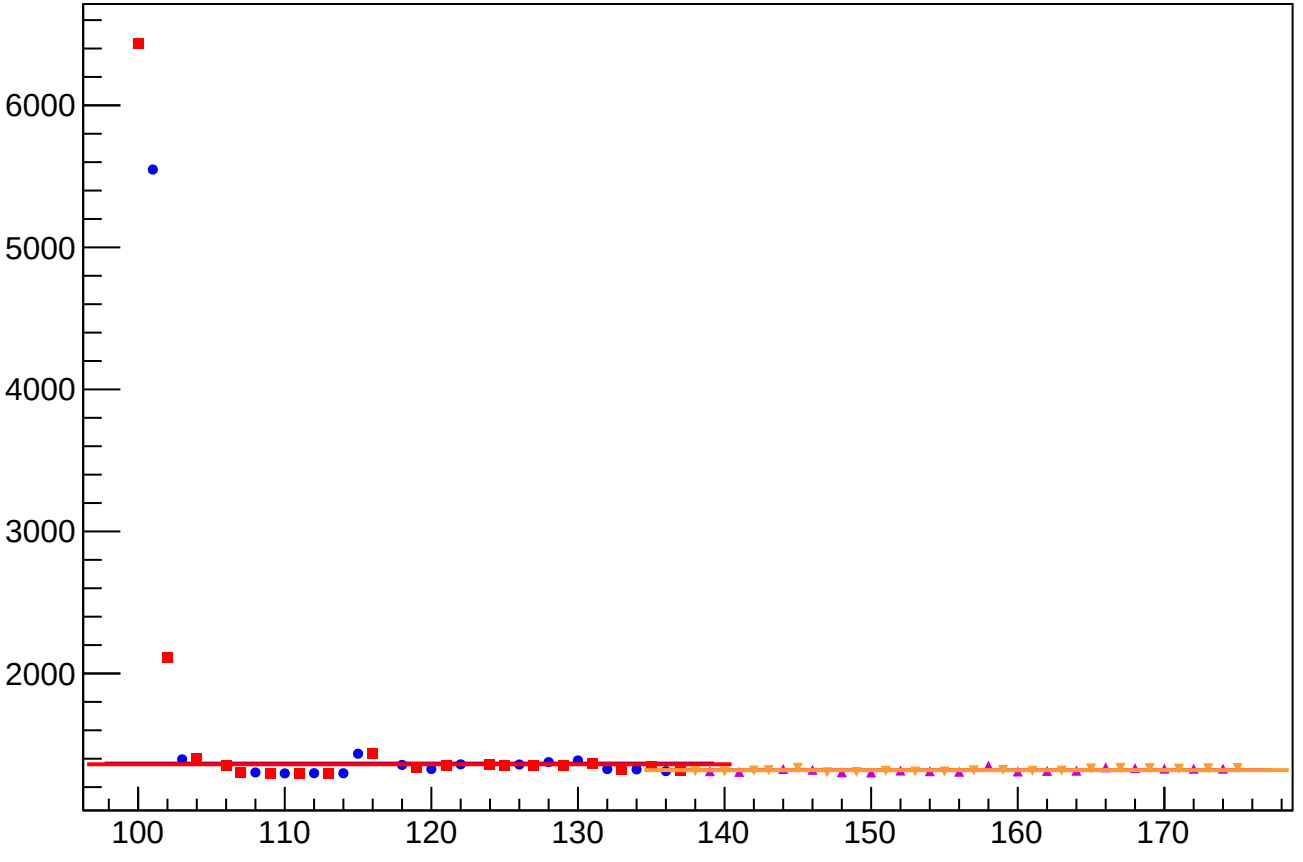
Left In: 101.730+/-342.243 χ^2/NDF:22.3/17

+ sign -109.913+/-279.501 χ^2/NDF: 39.0/35

All: 12.186+/-199.148 χ^2/NDF: 71.7/72

- sign 138.092+/-283.825 χ^2/NDF: 32.3/36

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1319.493+/-0.234 χ^2/NDF:1970.6/19

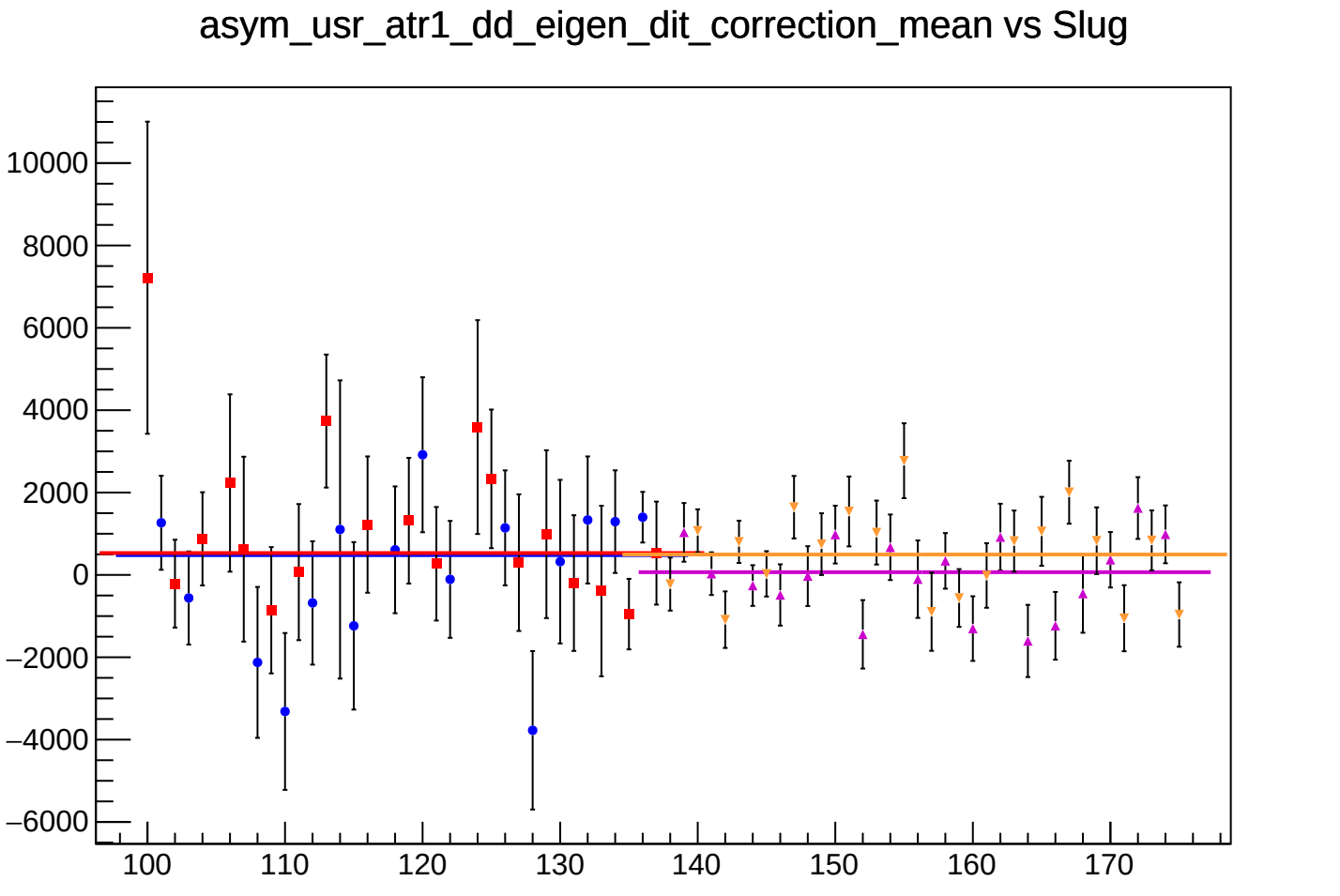
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1320.256+/-0.242 χ^2/NDF:2874.8/17

+ sign 1332.669+/-0.198 χ^2/NDF: 771922.9/35

All: 1332.786+/-0.141 χ^2/NDF: 988865.1/72

- sign 1332.906+/-0.201 χ^2/NDF: 216941.6/36



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 495.556+/-159.300 χ^2/NDF:36.5/19

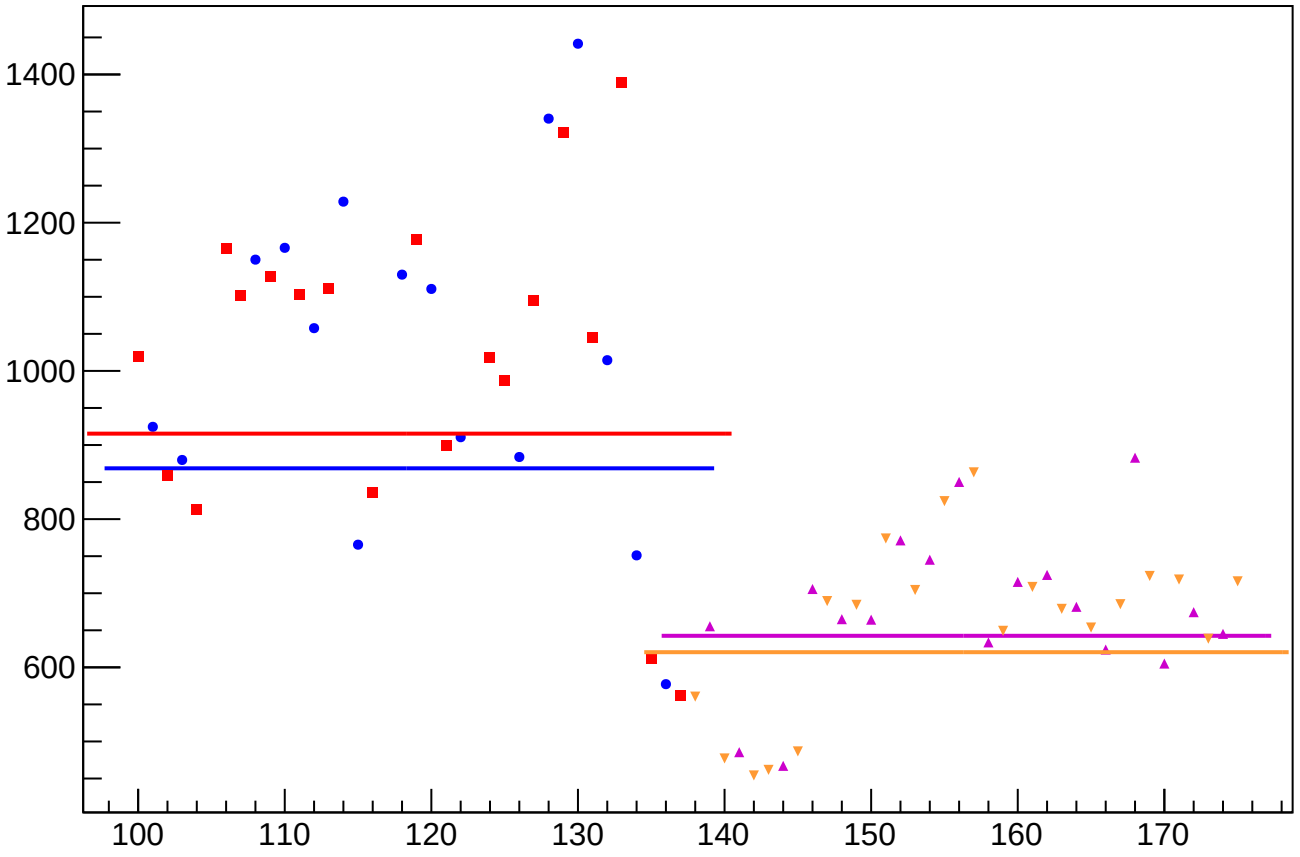
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 66.326+/-169.254 χ^2/NDF:25.4/17

+ sign 492.782+/-143.983 χ^2/NDF: 55.1/35

All: 333.518+/-104.546 χ^2/NDF: 100.2/72

- sign 155.914+/-152.047 χ^2/NDF: 42.5/36



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 620.463+/-0.113 χ^2/NDF:1098263.7/19

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

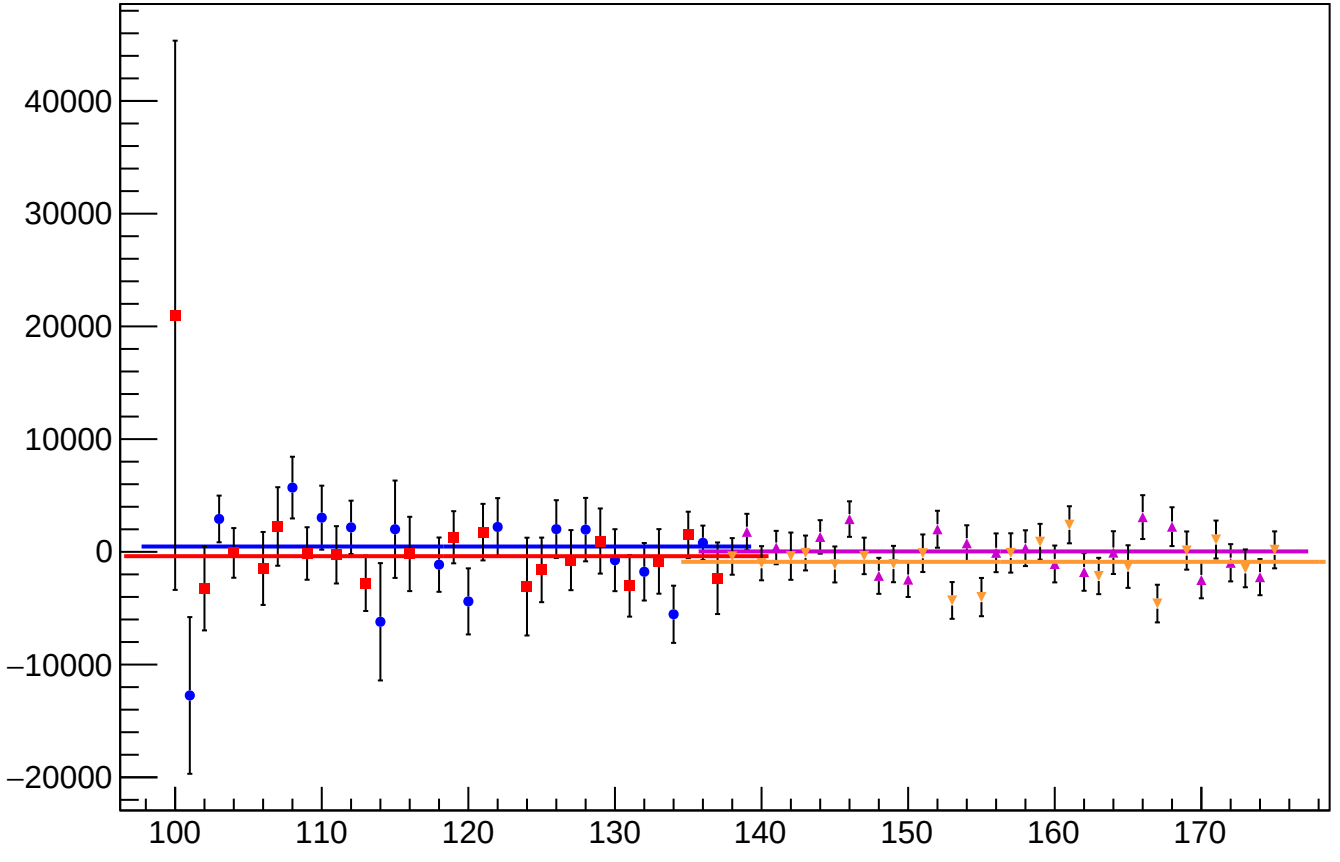
Left In: 642.574+/-0.120 χ^2/NDF:813582.8/17

+ sign 665.882+/-0.102 χ^2/NDF: 3007727.5/35

All: 679.752+/-0.074 χ^2/NDF: 5722082.5/72

- sign 695.220+/-0.108 χ^2/NDF: 2675098.2/36

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -886.246+/-371.476 χ^2/NDF:21.9/19

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

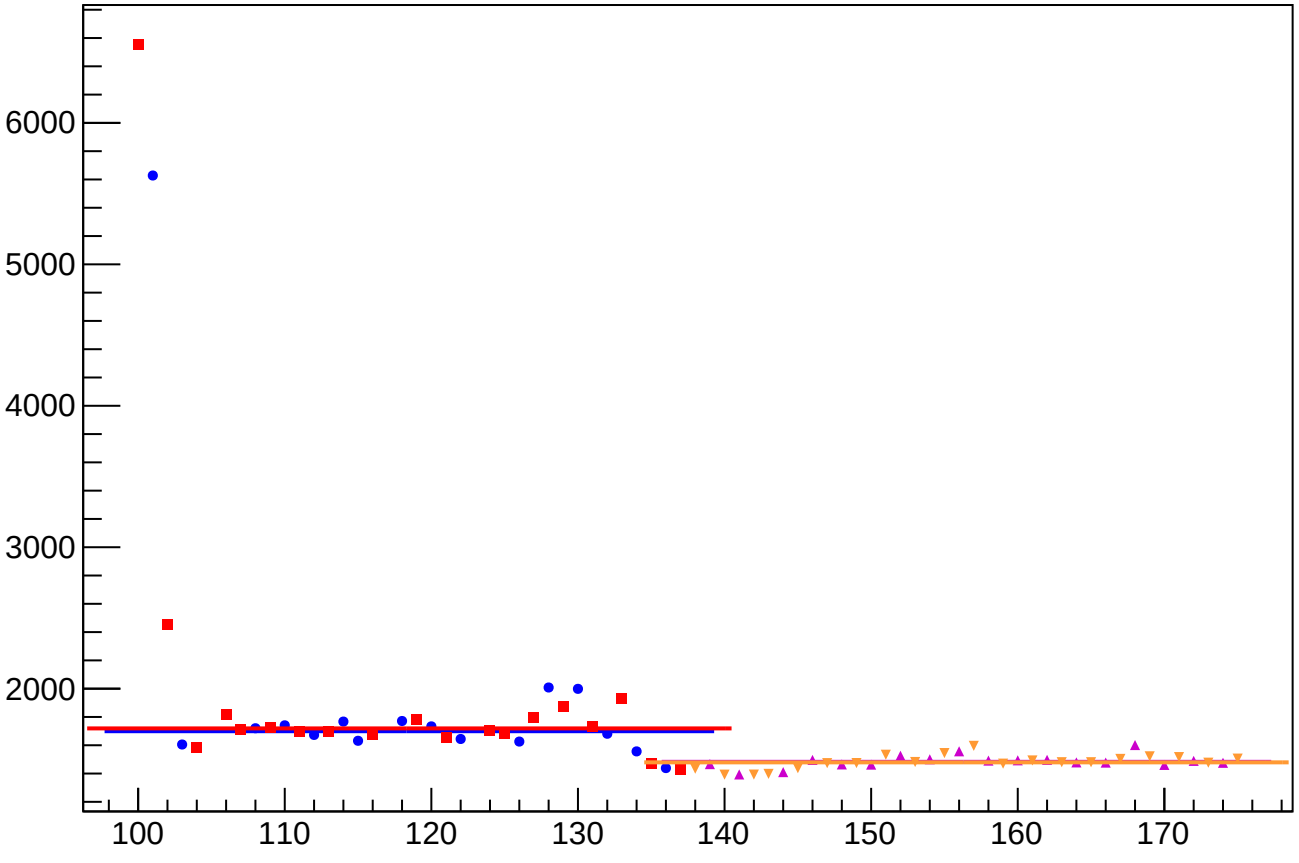
Left In: 38.289+/-384.593 χ^2/NDF:22.0/17

+ sign -550.888+/-322.429 χ^2/NDF: 47.9/35

All: -317.649+/-230.595 χ^2/NDF: 78.5/72

- sign -73.443+/-329.922 χ^2/NDF: 29.6/36

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1479.123+/-0.263 χ^2/NDF:35808.4/19

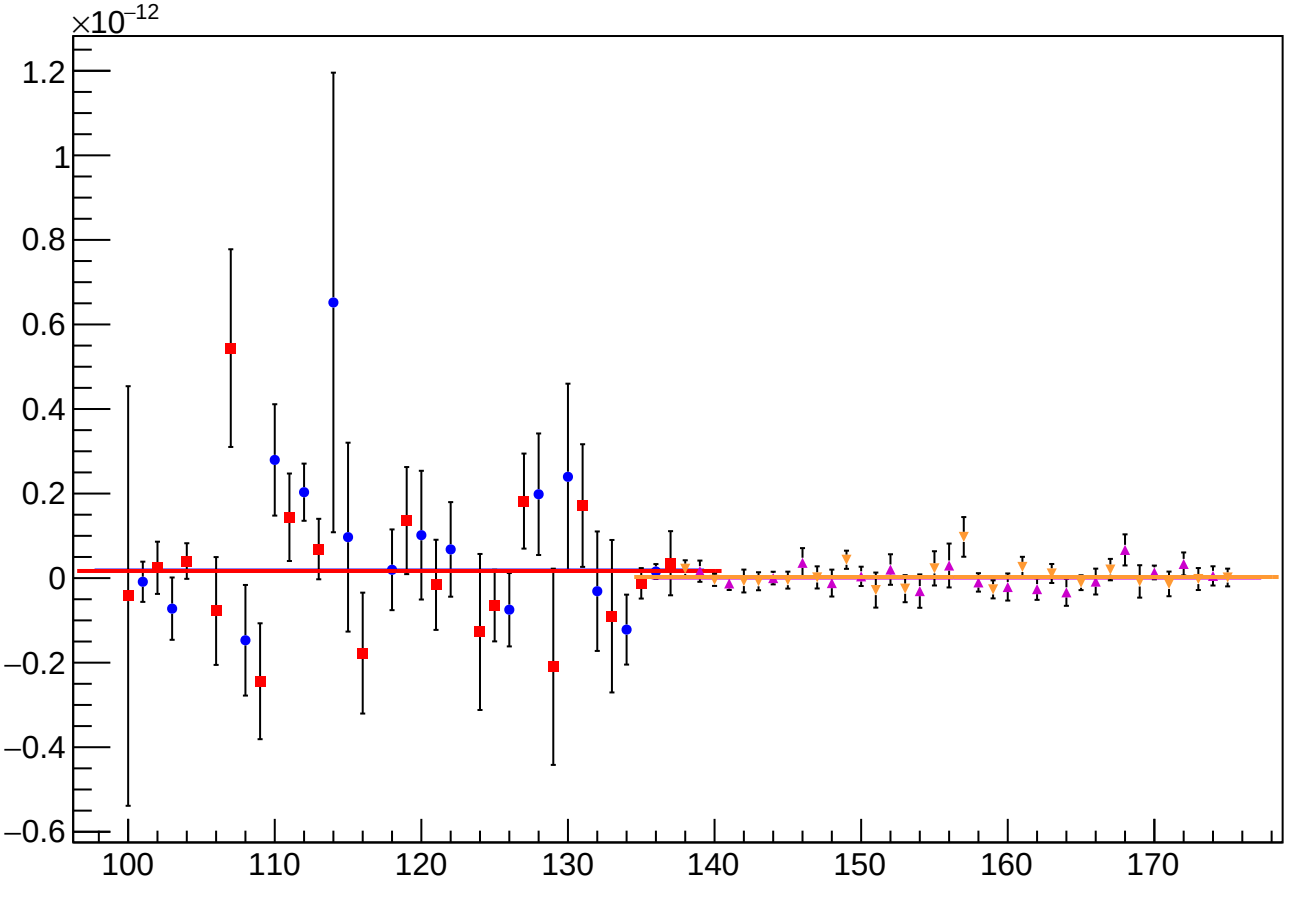
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1482.836+/-0.272 χ^2/NDF:28579.0/17

+ sign 1533.433+/-0.228 χ^2/NDF: 971239.9/35

All: 1539.198+/-0.163 χ^2/NDF: 1434219.2/72

- sign 1545.233+/-0.233 χ^2/NDF: 461670.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/19

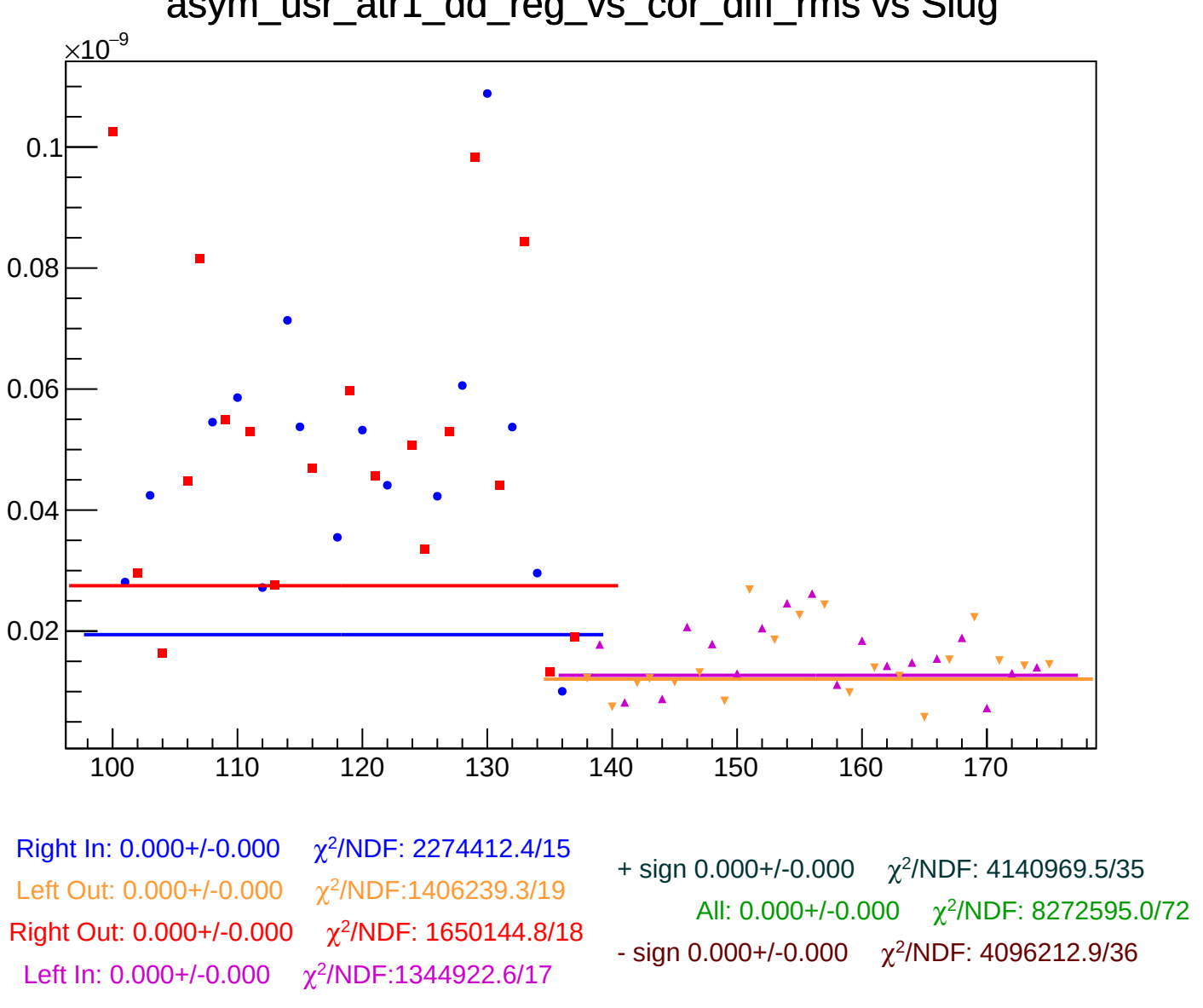
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:12.0/17

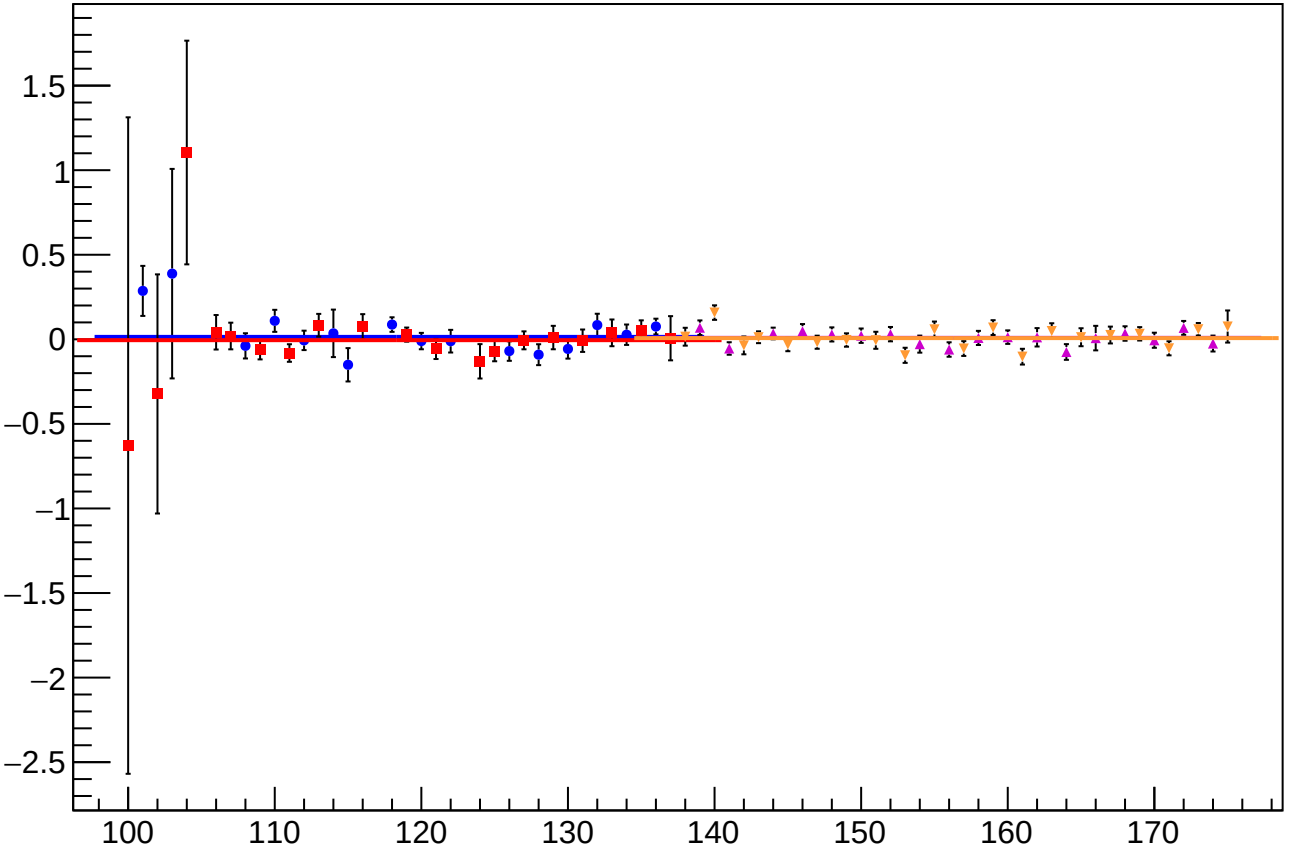
+ sign 0.000+/-0.000 χ^2/NDF: 39.9/35

All: 0.000+/-0.000 χ^2/NDF: 73.9/72

- sign 0.000+/-0.000 χ^2/NDF: 33.9/36


asym_usr_atr1_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: 2274412.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1406239.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 1650144.8/18
Left In: 0.000+/-0.000 χ²/NDF:1344922.6/17
+ sign 0.000+/-0.000 χ²/NDF: 4140969.5/35
All: 0.000+/-0.000 χ²/NDF: 8272595.0/72
- sign 0.000+/-0.000 χ²/NDF: 4096212.9/36

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.4/19

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

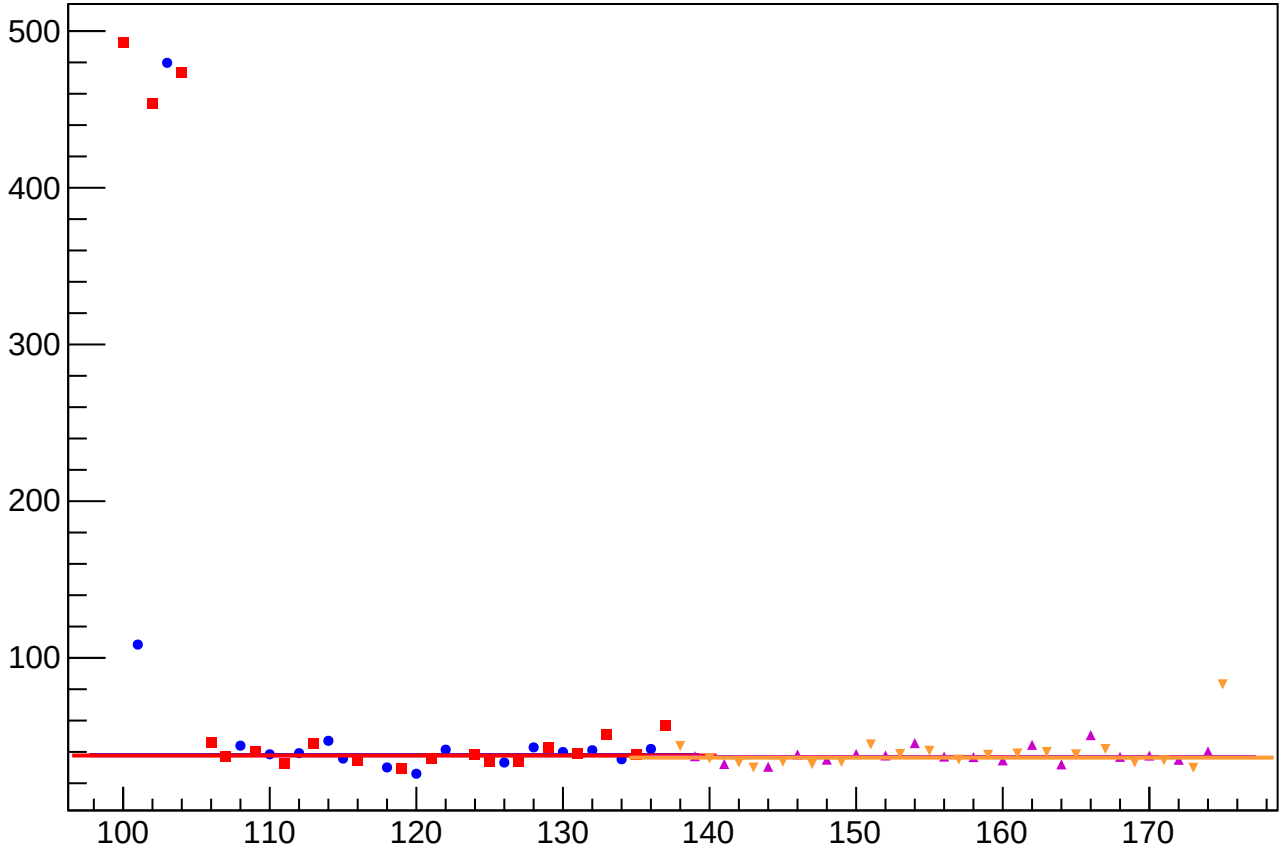
Left In: 0.009+/-0.010 χ^2/NDF:16.3/17

+ sign 0.009+/-0.008 χ^2/NDF: 58.6/35

All: 0.007+/-0.006 χ^2/NDF: 90.4/72

- sign 0.005+/-0.009 χ^2/NDF: 31.7/36

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.354+/-0.007 χ^2/NDF:847808.4/19

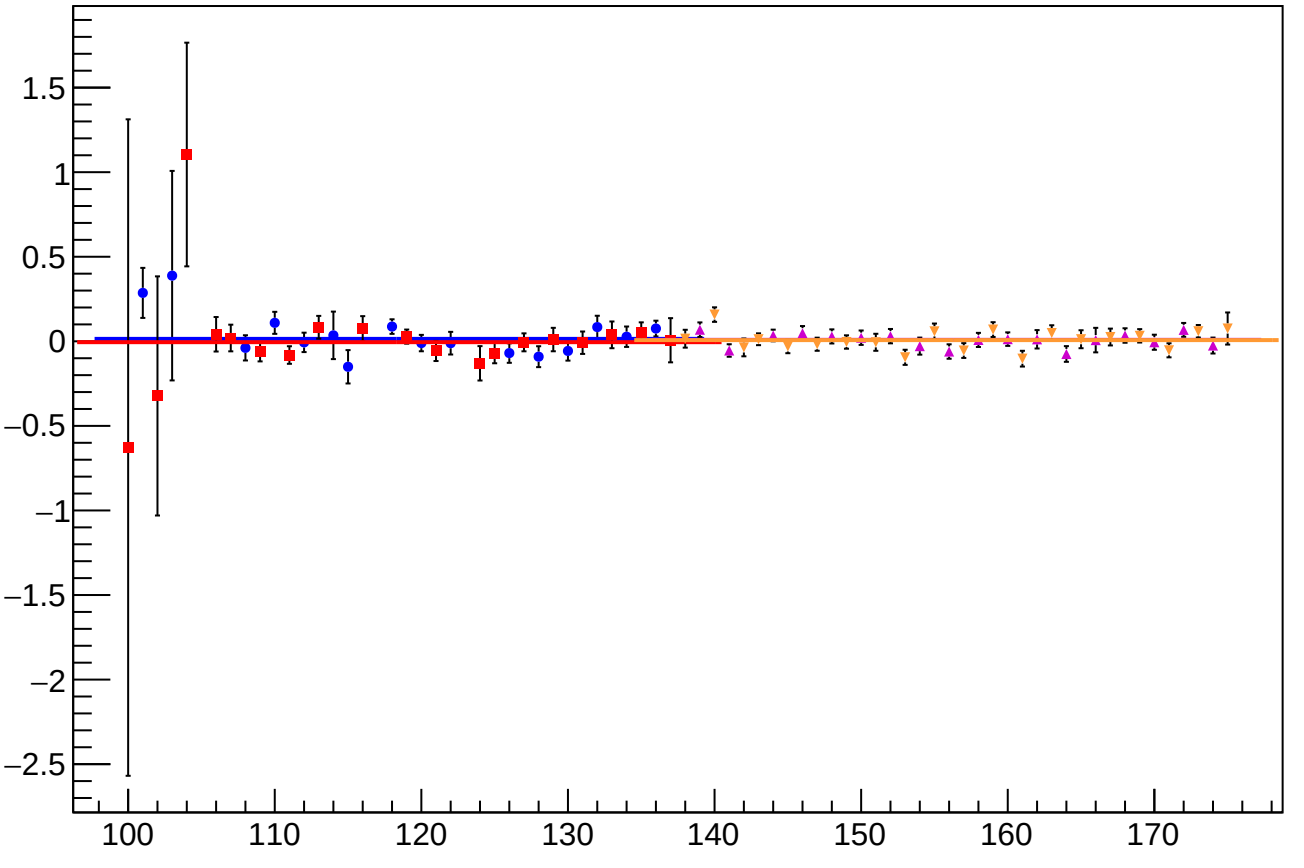
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.738+/-0.007 χ^2/NDF:324562.3/17

\+ sign 36.798+/-0.006 χ^2/NDF: 2601794.8/35

All: 36.904+/-0.004 χ^2/NDF: 4876951.7/72

\- sign 37.014+/-0.006 χ^2/NDF: 2274513.5/36



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.4/19

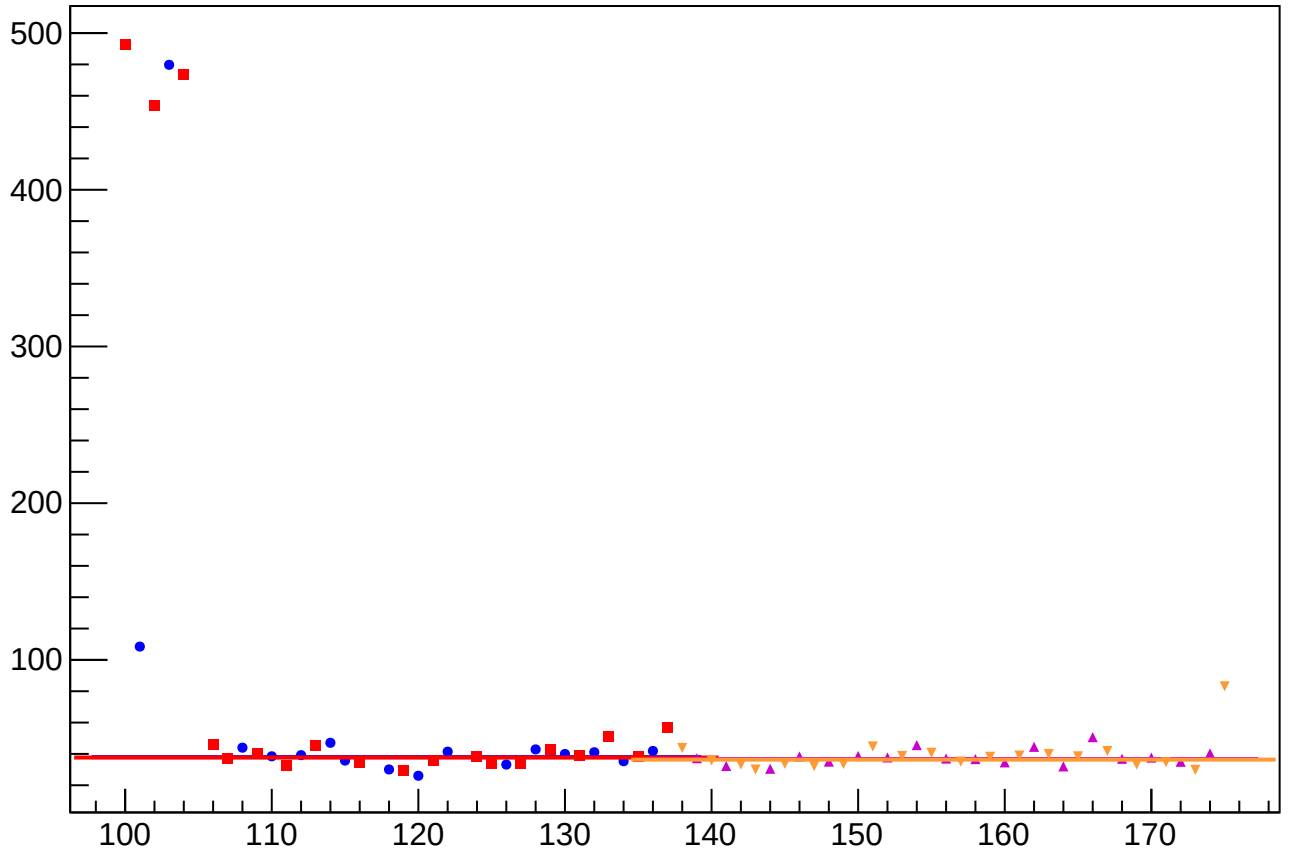
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.009+/-0.010 χ^2/NDF:16.3/17

+ sign 0.009+/-0.008 χ^2/NDF: 58.6/35

All: 0.007+/-0.006 χ^2/NDF: 90.4/72

- sign 0.005+/-0.009 χ^2/NDF: 31.7/36



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.354+/-0.007 χ^2/NDF:847808.4/19

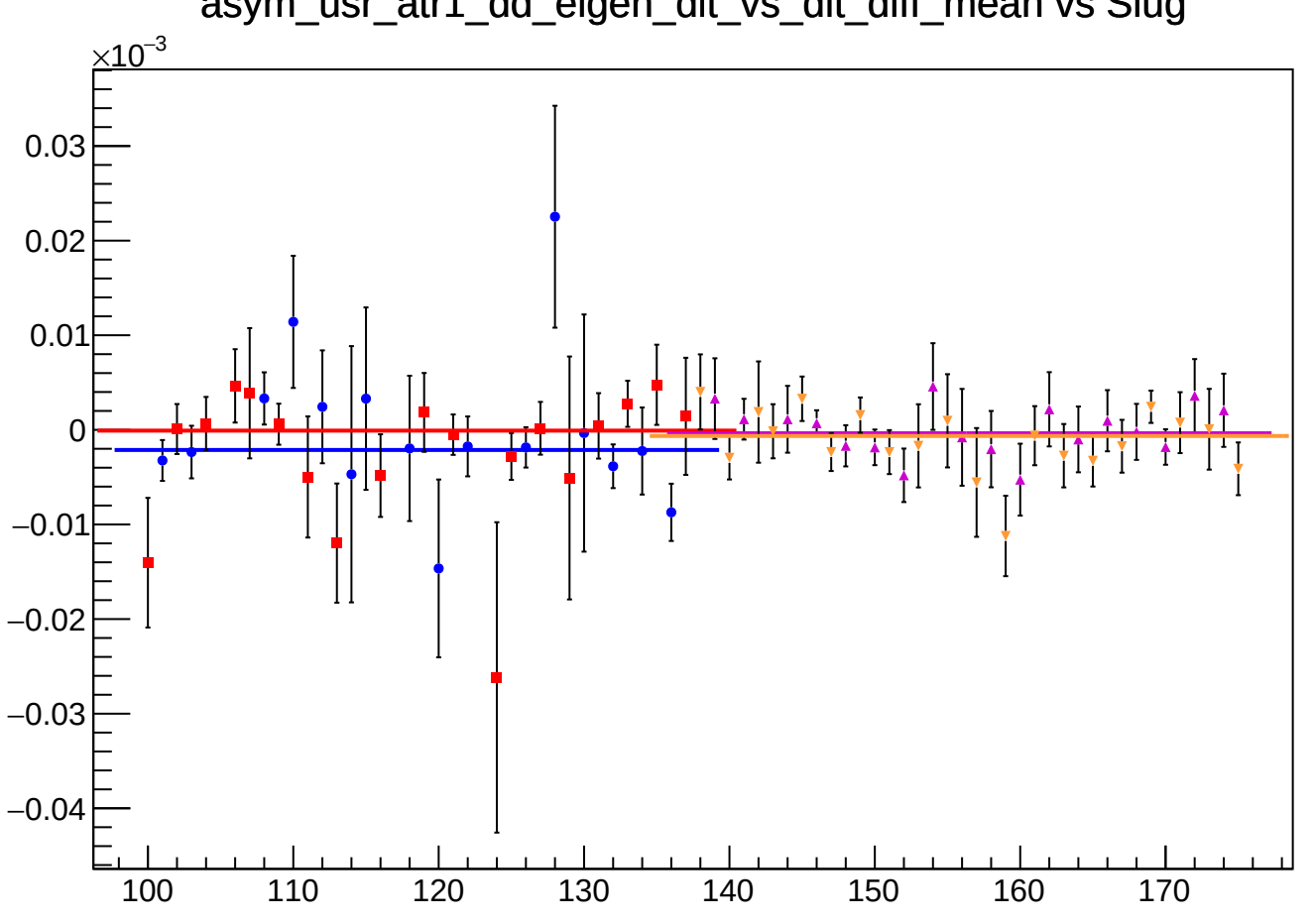
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.738+/-0.007 χ^2/NDF:324562.3/17

\+ sign 36.798+/-0.006 χ^2/NDF: 2601794.8/35

All: 36.904+/-0.004 χ^2/NDF: 4876951.7/72

\- sign 37.014+/-0.006 χ^2/NDF: 2274513.5/36



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/19

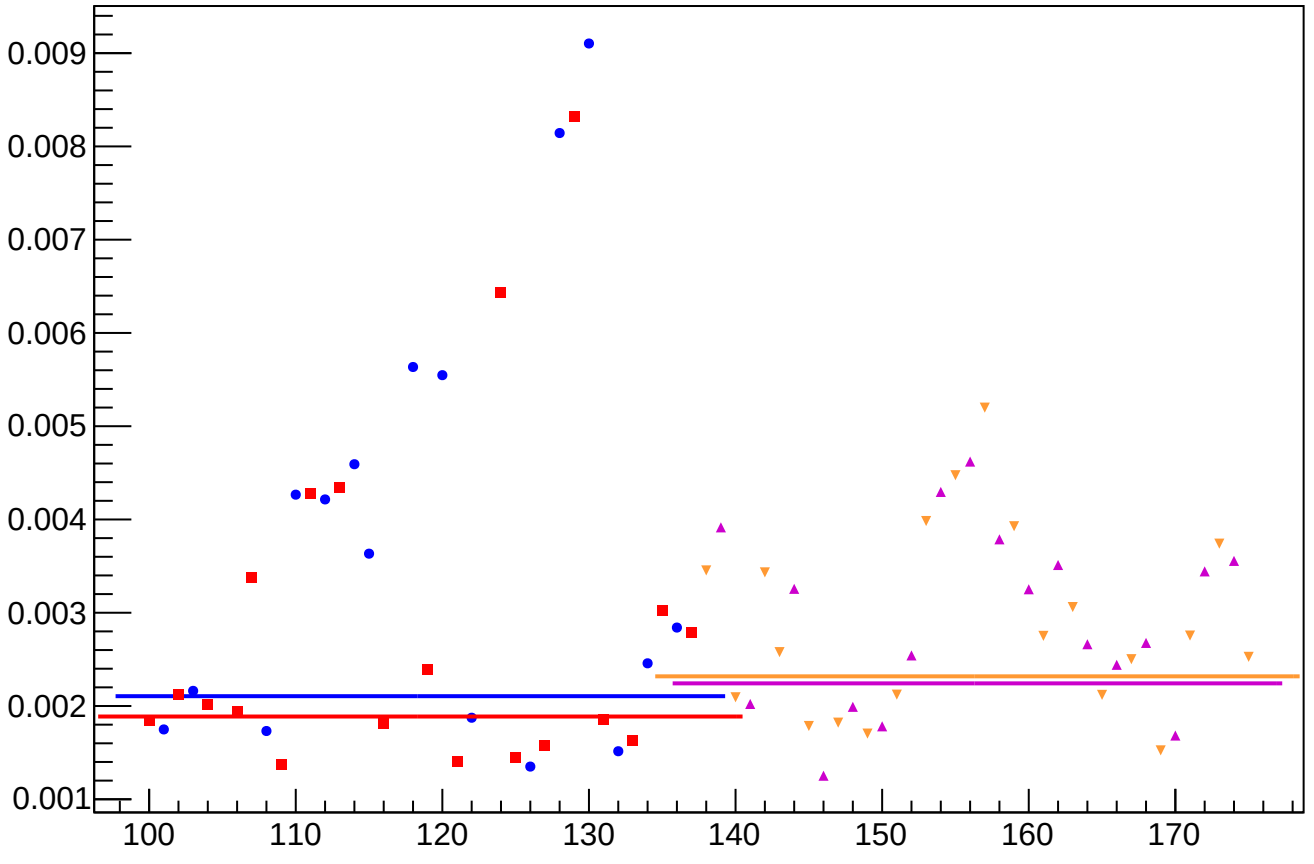
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/35

All: -0.000+/-0.000 χ^2/NDF: 75.1/72

- sign -0.000+/-0.000 χ^2/NDF: 29.6/36



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:3062236.8/19

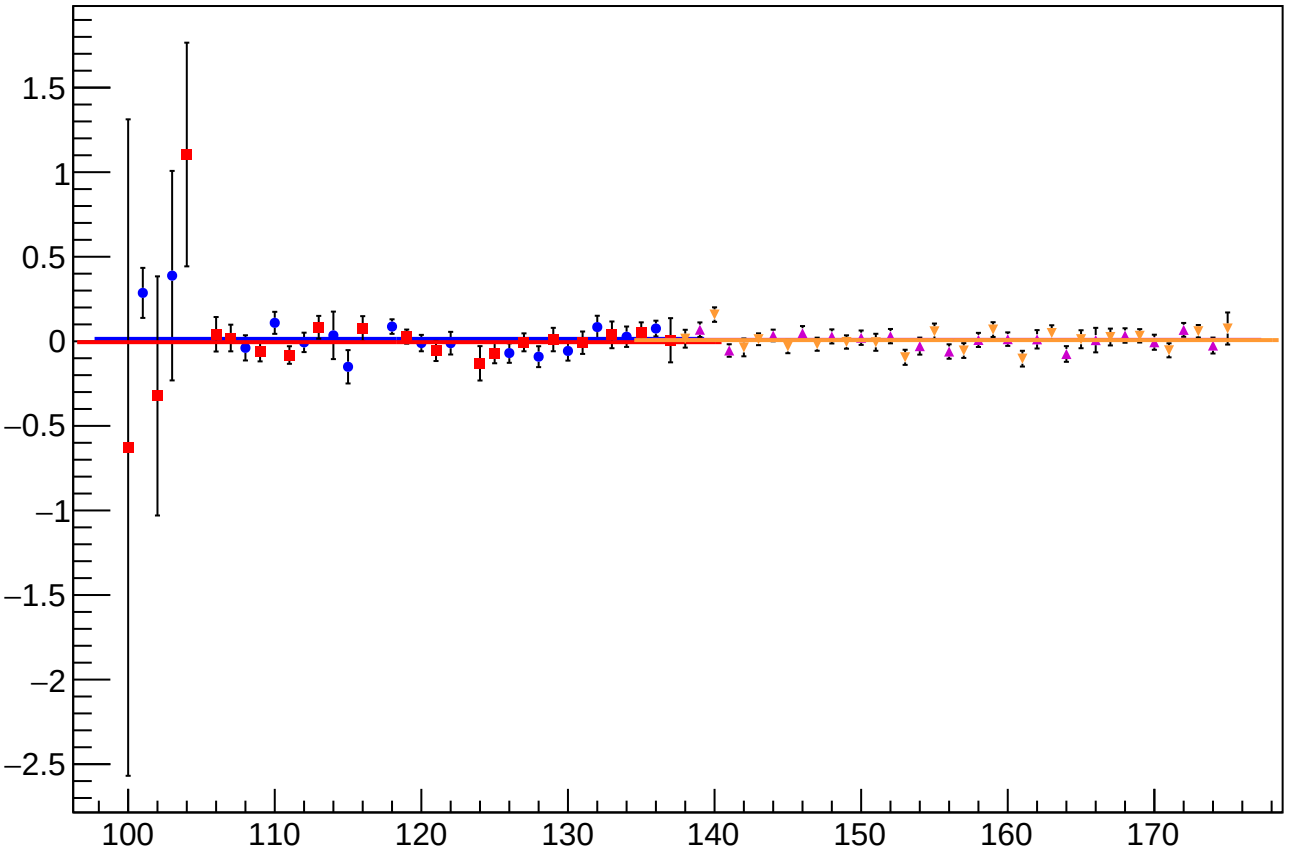
Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3866514.5/17

+ sign 0.002+/-0.000 χ^2/NDF: 6155822.4/35

All: 0.002+/-0.000 χ^2/NDF: 12244644.7/72

- sign 0.002+/-0.000 χ^2/NDF: 6005423.2/36



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.4/19

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

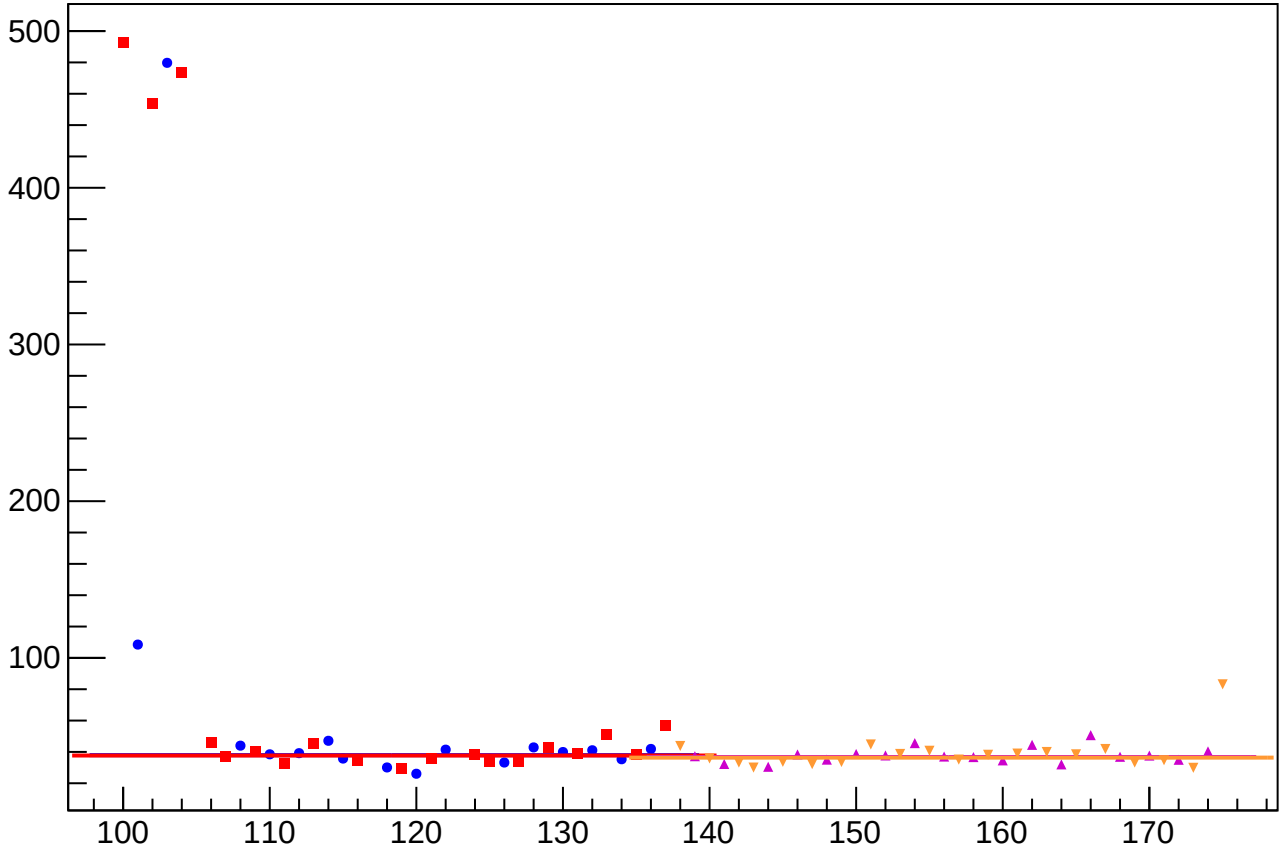
Left In: 0.009+/-0.010 χ^2/NDF:16.3/17

+ sign 0.009+/-0.008 χ^2/NDF: 58.6/35

All: 0.007+/-0.006 χ^2/NDF: 90.4/72

- sign 0.005+/-0.009 χ^2/NDF: 31.7/36

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.354+/-0.007 χ^2/NDF:847846.1/19

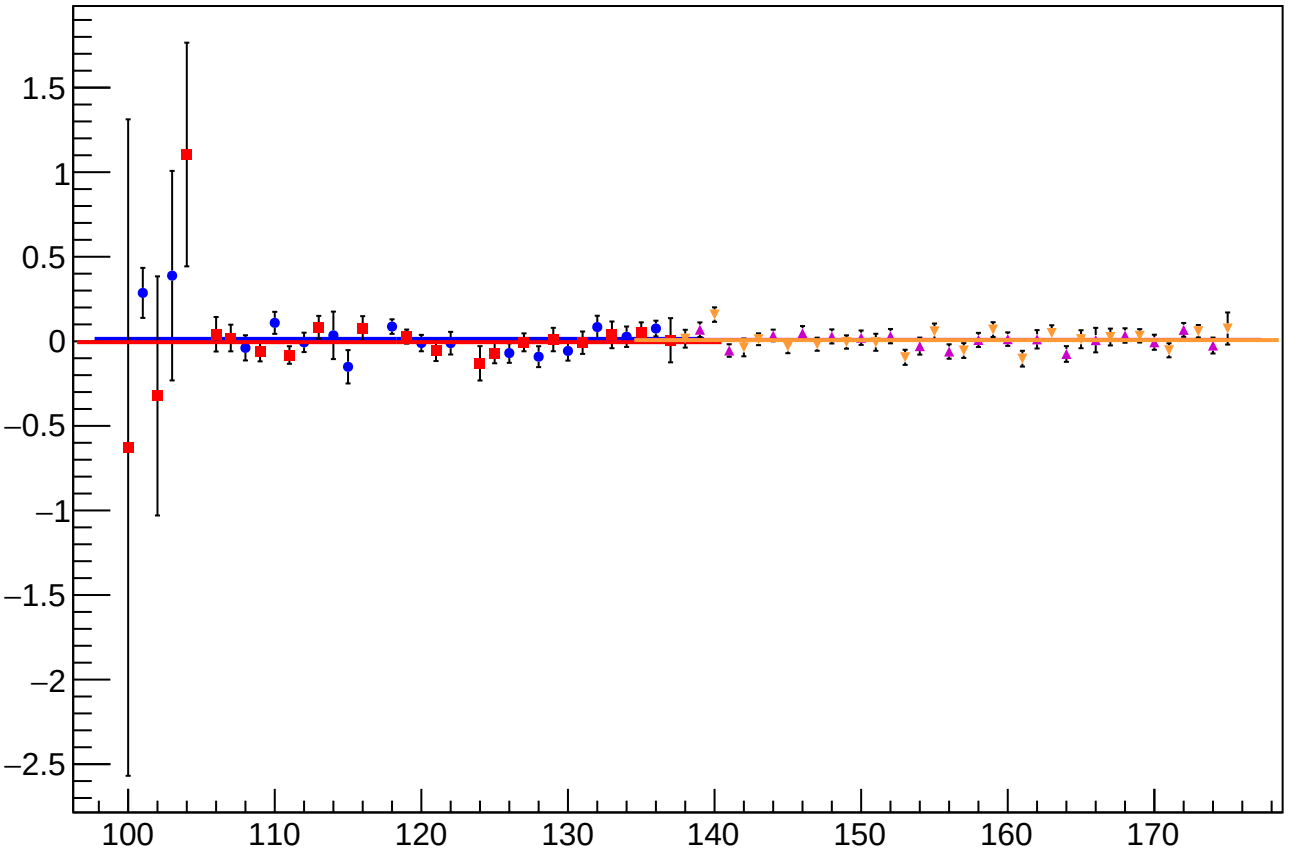
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.737+/-0.007 χ^2/NDF:324603.8/17

+ sign 36.798+/-0.006 χ^2/NDF: 2601836.8/35

All: 36.903+/-0.004 χ^2/NDF: 4877101.0/72

- sign 37.014+/-0.006 χ^2/NDF: 2274623.0/36



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.4/19

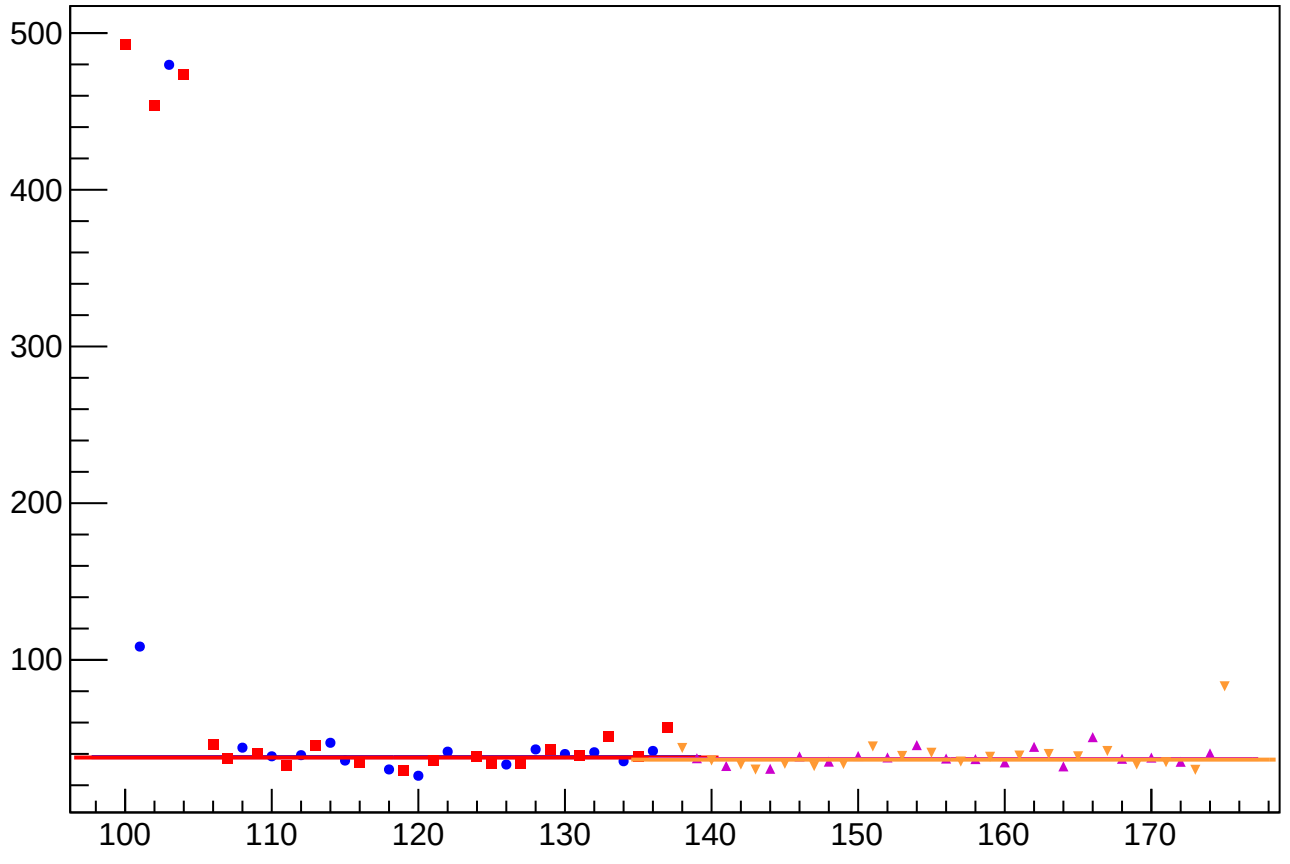
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.009+/-0.010 χ^2/NDF:16.3/17

+ sign 0.009+/-0.008 χ^2/NDF: 58.6/35

All: 0.007+/-0.006 χ^2/NDF: 90.4/72

- sign 0.005+/-0.009 χ^2/NDF: 31.7/36



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.354+/-0.007 χ^2/NDF:847846.1/19

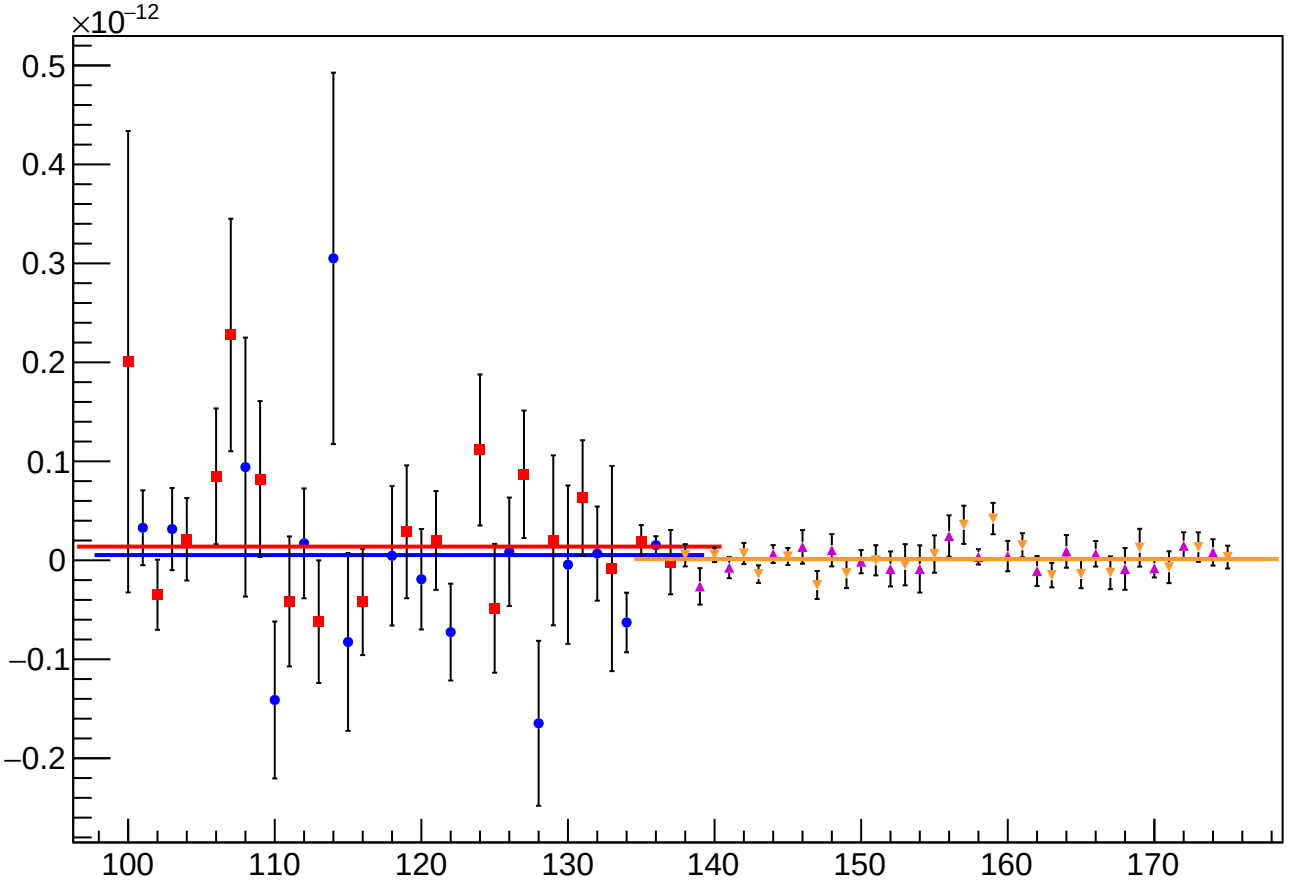
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.737+/-0.007 χ^2/NDF:324603.8/17

+ sign 36.798+/-0.006 χ^2/NDF: 2601836.8/35

All: 36.903+/-0.004 χ^2/NDF: 4877101.0/72

- sign 37.014+/-0.006 χ^2/NDF: 2274623.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.2/19

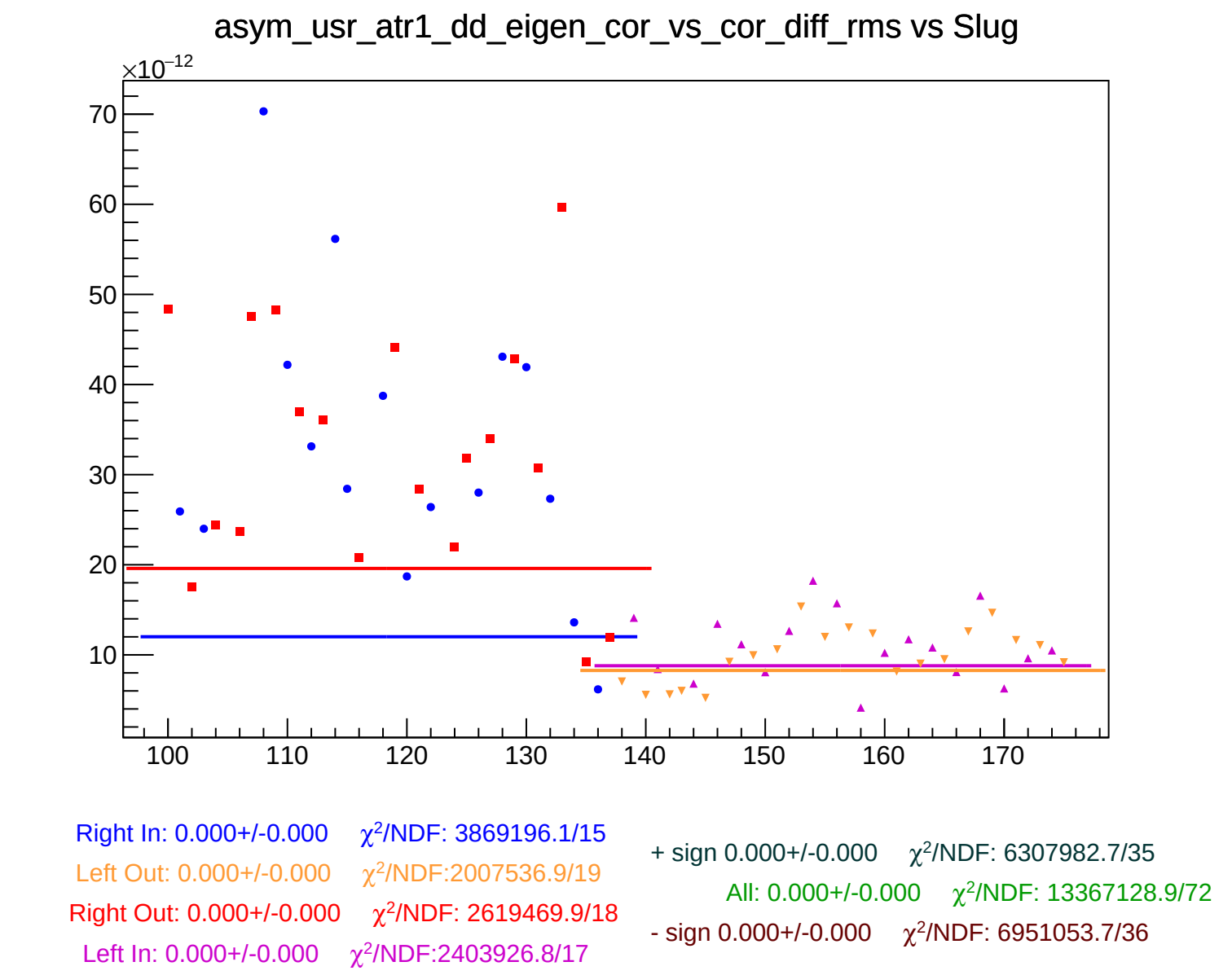
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/17

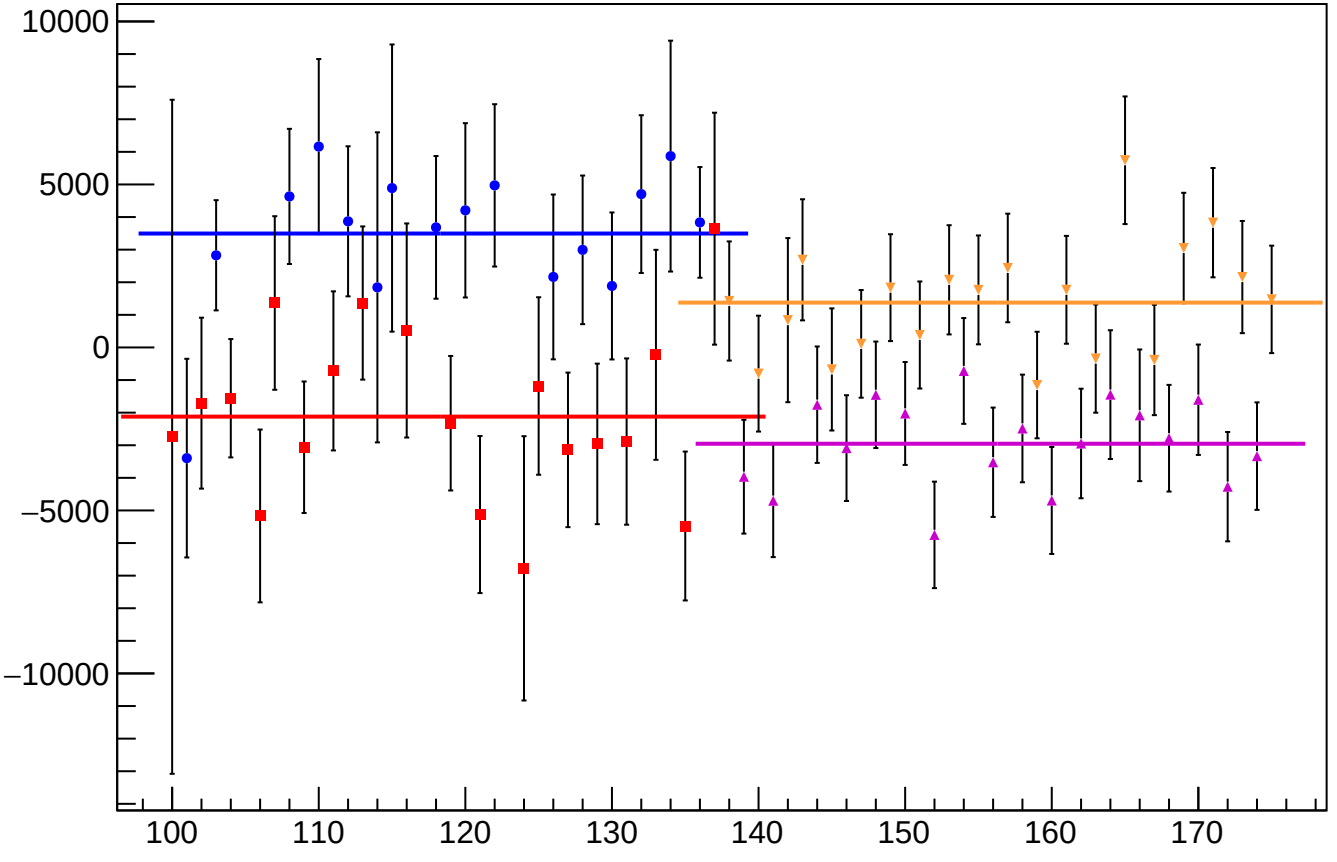
+ sign 0.000+/-0.000 χ^2/NDF: 46.2/35

All: 0.000+/-0.000 χ^2/NDF: 72.9/72

- sign 0.000+/-0.000 χ^2/NDF: 26.7/36


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:2007536.9/19
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:2403926.8/17
+ sign 0.000+/-0.000 χ²/NDF: 6307982.7/35
All: 0.000+/-0.000 χ²/NDF: 13367128.9/72
- sign 0.000+/-0.000 χ²/NDF: 6951053.7/36

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1375.900+/-387.595 χ^2/NDF:17.8/19

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

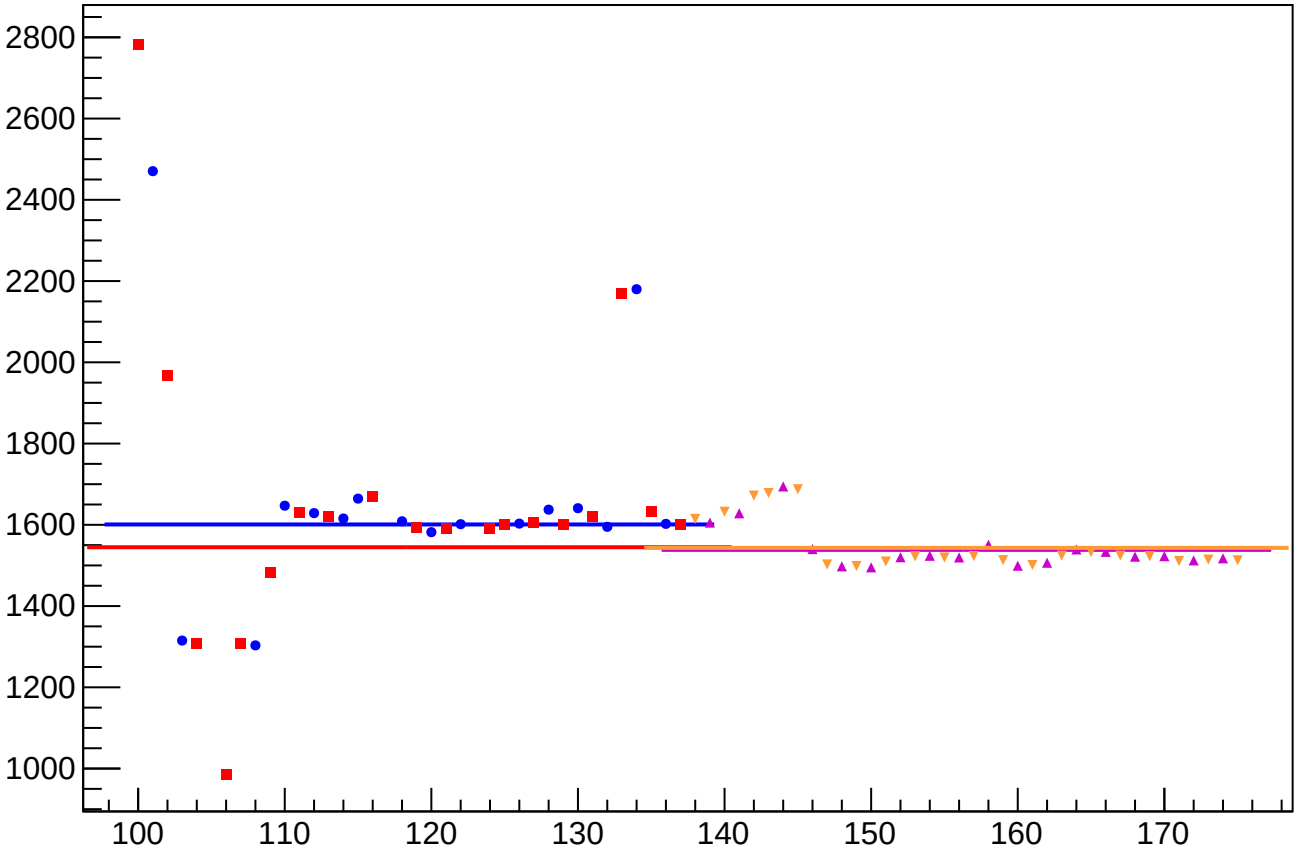
Left In: -2954.137+/-398.965 χ^2/NDF:11.2/17

+ sign 1997.921+/-325.760 χ^2/NDF: 35.4/35

All: -315.930+/-231.858 χ^2/NDF: 165.3/72

- sign -2691.485+/-330.075 χ^2/NDF: 27.7/36

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1543.258+/-0.274 χ^2/NDF:45075.6/19

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

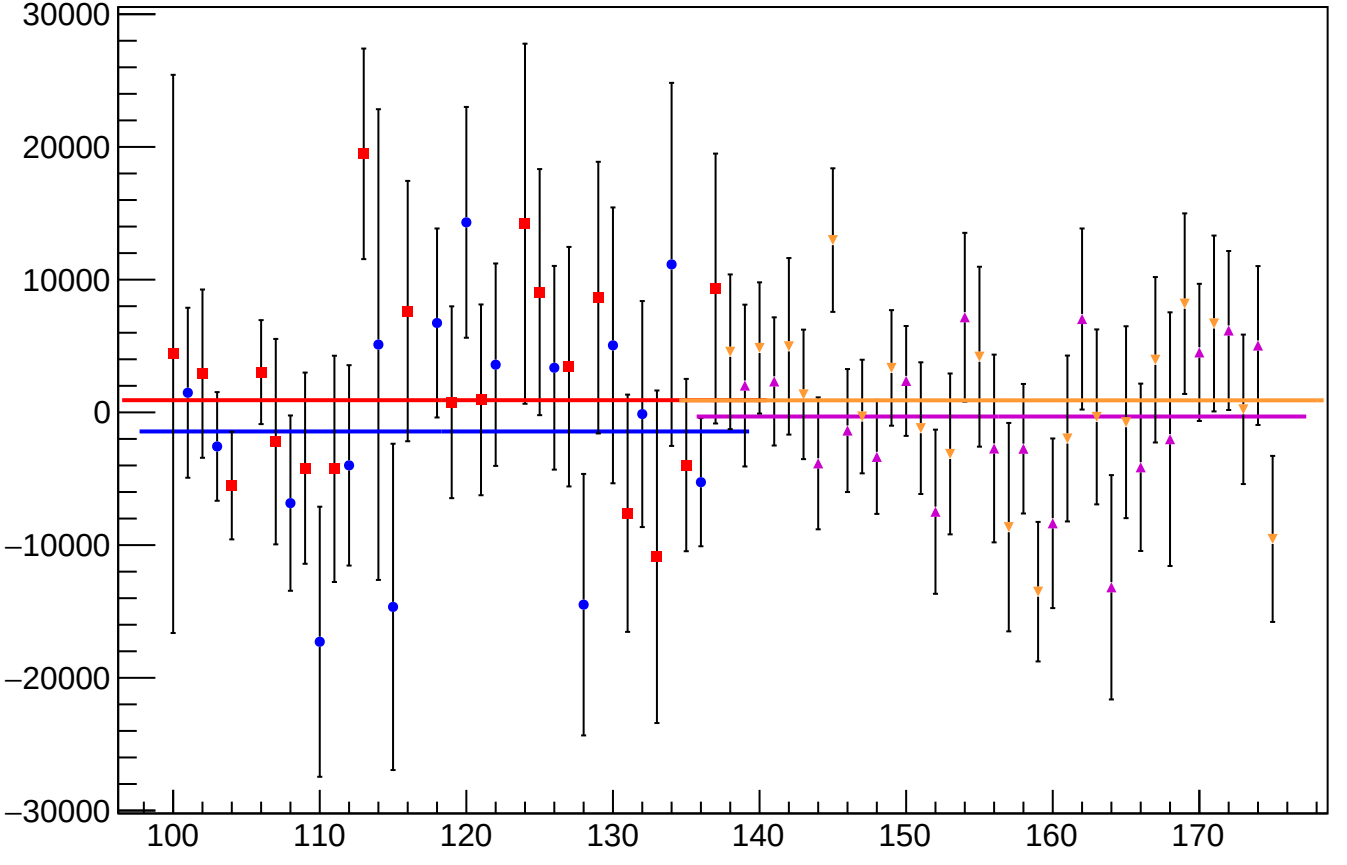
Left In: 1538.331+/-0.282 χ^2/NDF:30190.7/17

+ sign 1560.177+/-0.230 χ^2/NDF: 375468.0/35

All: 1550.377+/-0.164 χ^2/NDF: 785604.9/72

- sign 1540.422+/-0.232 χ^2/NDF: 406488.3/36

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 908.488+/-1276.657 χ^2/NDF:21.9/19

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

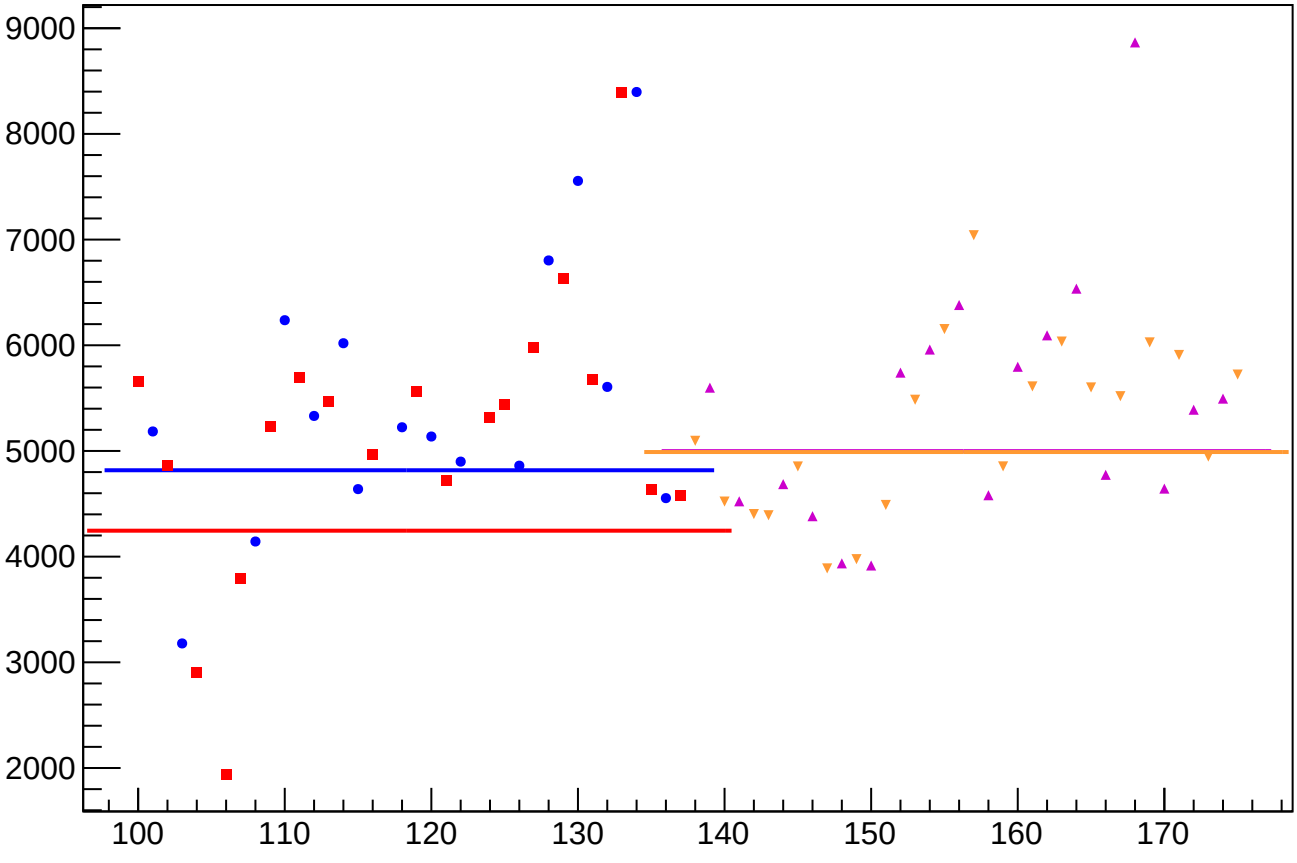
Left In: -311.613+/-1322.696 χ^2/NDF:13.3/17

+ sign 150.862+/-1050.435 χ^2/NDF: 36.8/35

All: 156.926+/-737.864 χ^2/NDF: 65.8/72

- sign 162.832+/-1036.696 χ^2/NDF: 29.0/36

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4989.863+/-0.903 χ^2/NDF:748160.5/19

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

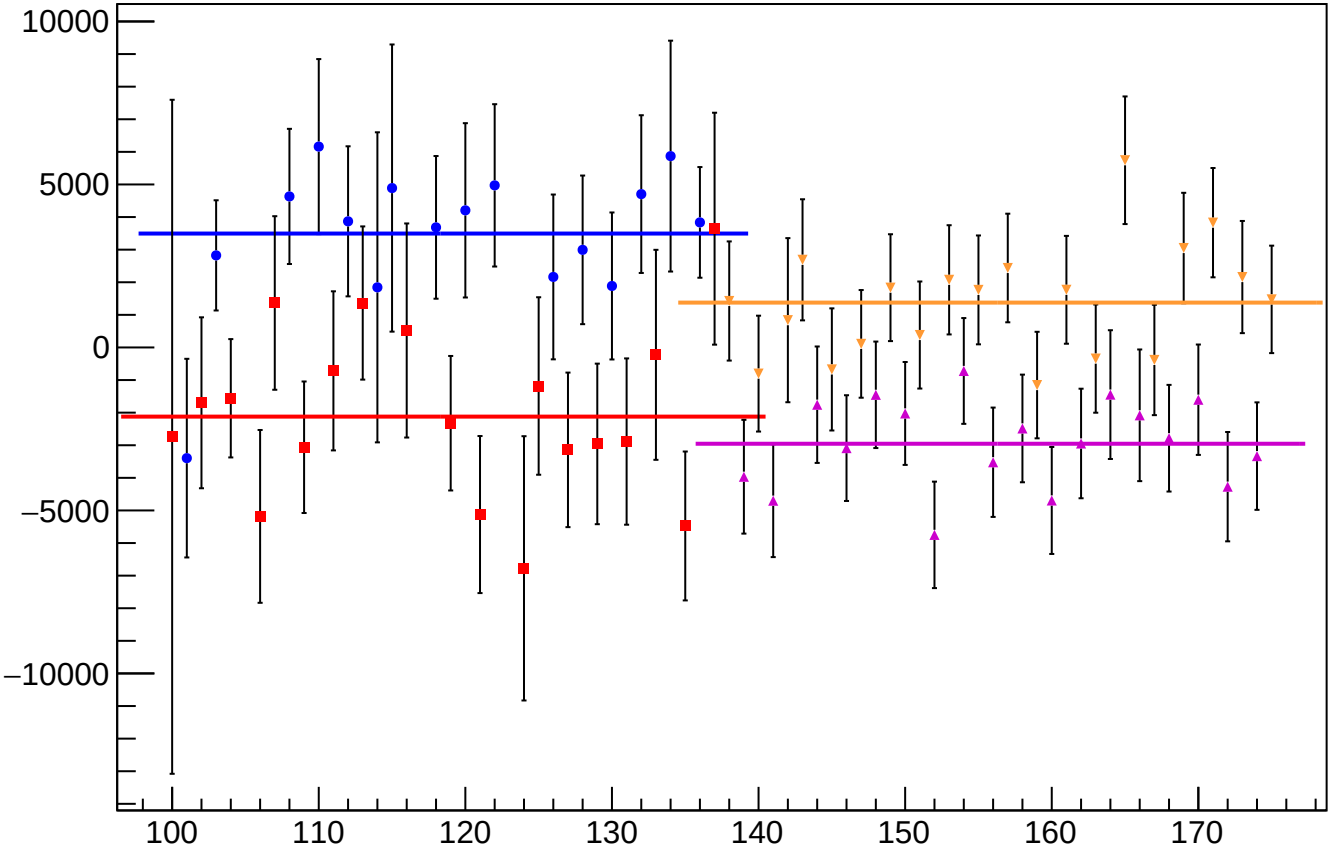
Left In: 4998.353+/-0.935 χ^2/NDF:1017264.3/17

+ sign 4934.140+/-0.743 χ^2/NDF: 1555388.2/35

All: 4819.578+/-0.522 χ^2/NDF: 4552654.5/72

- sign 4707.993+/-0.733 χ^2/NDF: 2950307.0/36

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1375.797+/-387.595 χ^2/NDF:17.8/19

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

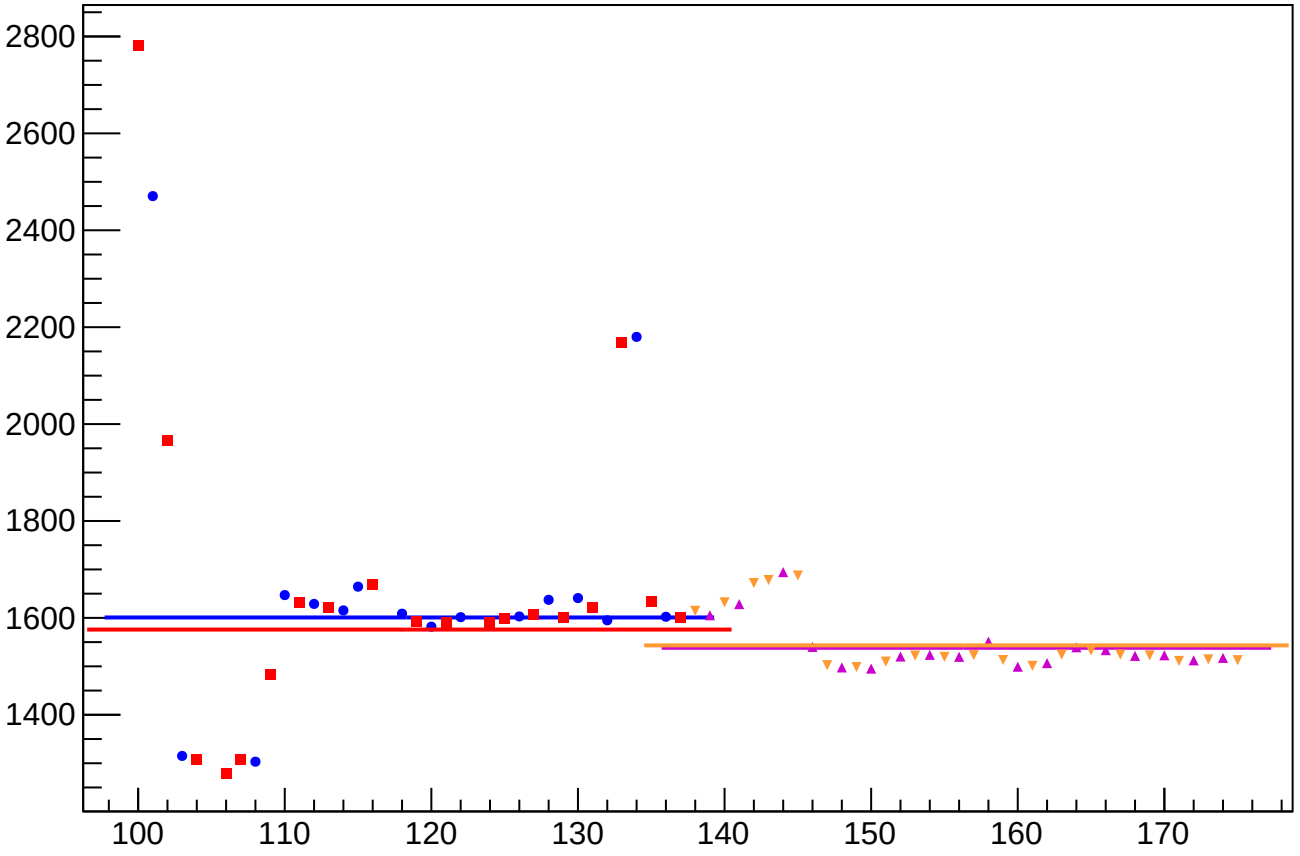
Left In: -2954.060+/-398.965 χ^2/NDF:11.2/17

+ sign 1997.749+/-325.760 χ^2/NDF: 35.4/35

All: -315.987+/-231.858 χ^2/NDF: 165.3/72

- sign -2691.431+/-330.076 χ^2/NDF: 27.7/36

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1543.258+/-0.274 χ^2/NDF:45075.6/19

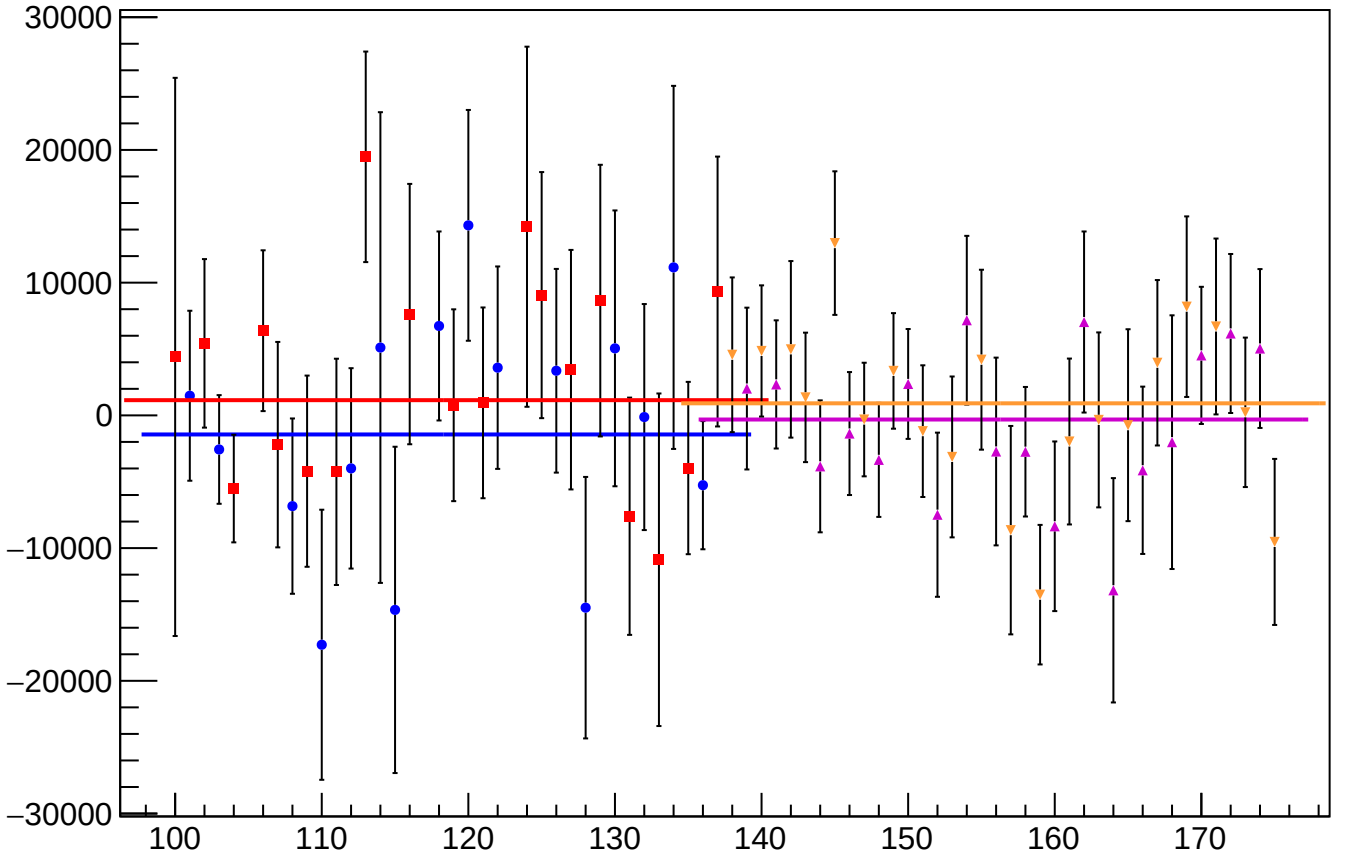
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1538.331+/-0.282 χ^2/NDF:30190.7/17

+ sign 1560.177+/-0.230 χ^2/NDF: 375467.3/35

All: 1555.272+/-0.164 χ^2/NDF: 655533.5/72

- sign 1550.249+/-0.233 χ^2/NDF: 279148.6/36



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 908.477+/-1276.655 χ^2/NDF:21.9/19

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

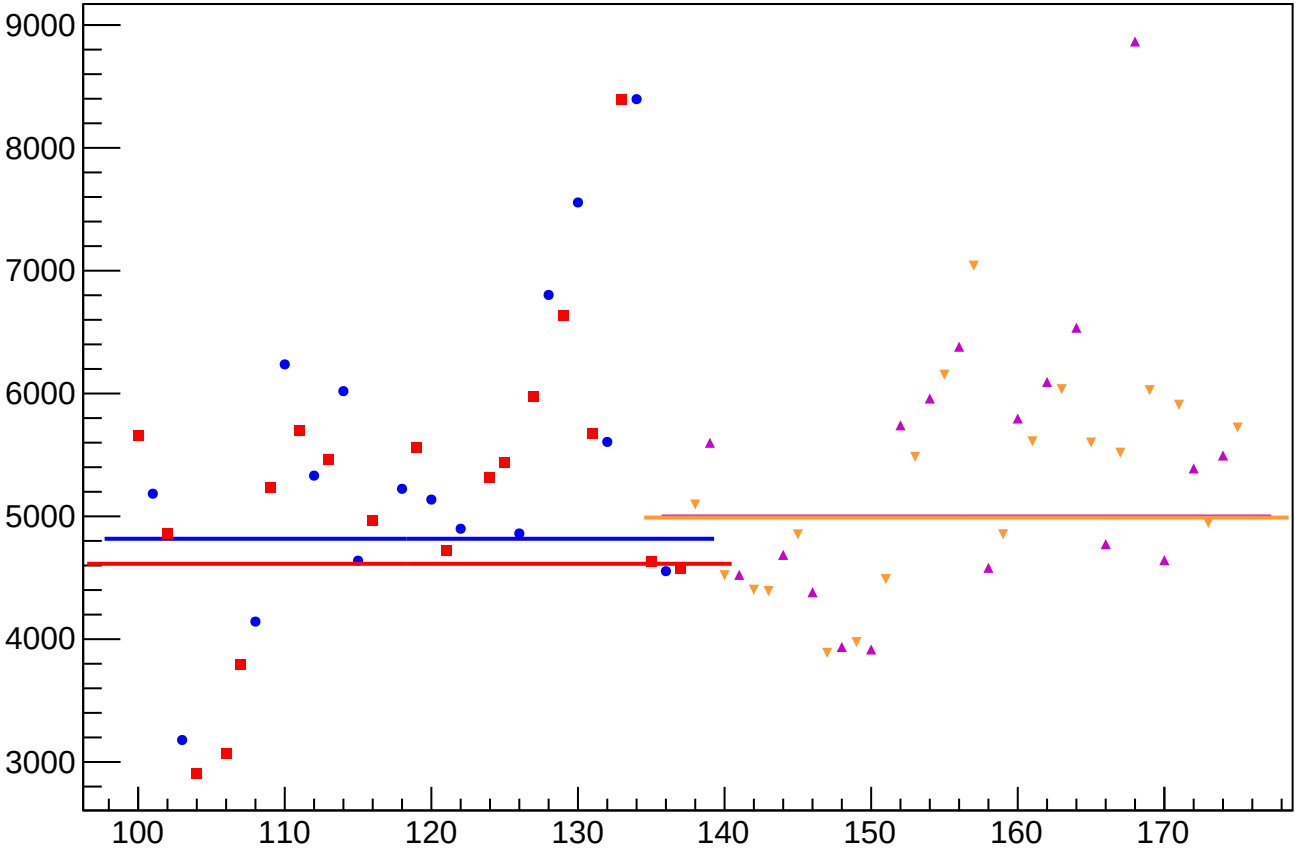
Left In: -311.642+/-1322.696 χ^2/NDF:13.3/17

+ sign 150.798+/-1050.441 χ^2/NDF: 36.8/35

All: 181.407+/-745.622 χ^2/NDF: 66.9/72

- sign 212.491+/-1058.543 χ^2/NDF: 30.0/36

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4989.853+/-0.903 χ^2/NDF:748168.3/19

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

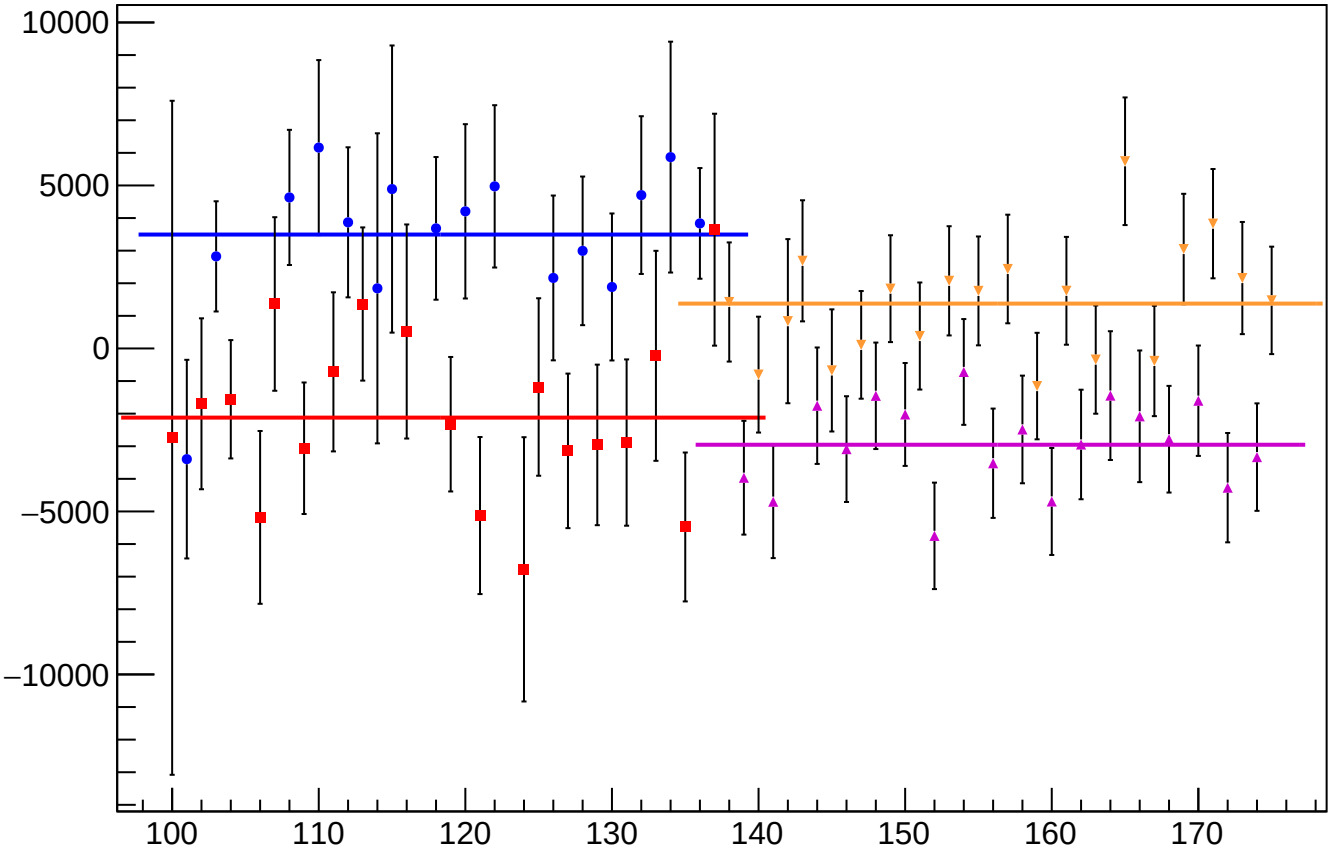
Left In: 4998.352+/-0.935 χ^2/NDF:1017268.0/17

+ sign 4934.178+/-0.743 χ^2/NDF: 1555177.9/35

All: 4897.429+/-0.527 χ^2/NDF: 3616101.5/72

- sign 4860.111+/-0.749 χ^2/NDF: 2055990.1/36

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1375.797+/-387.595 χ^2/NDF:17.8/19

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

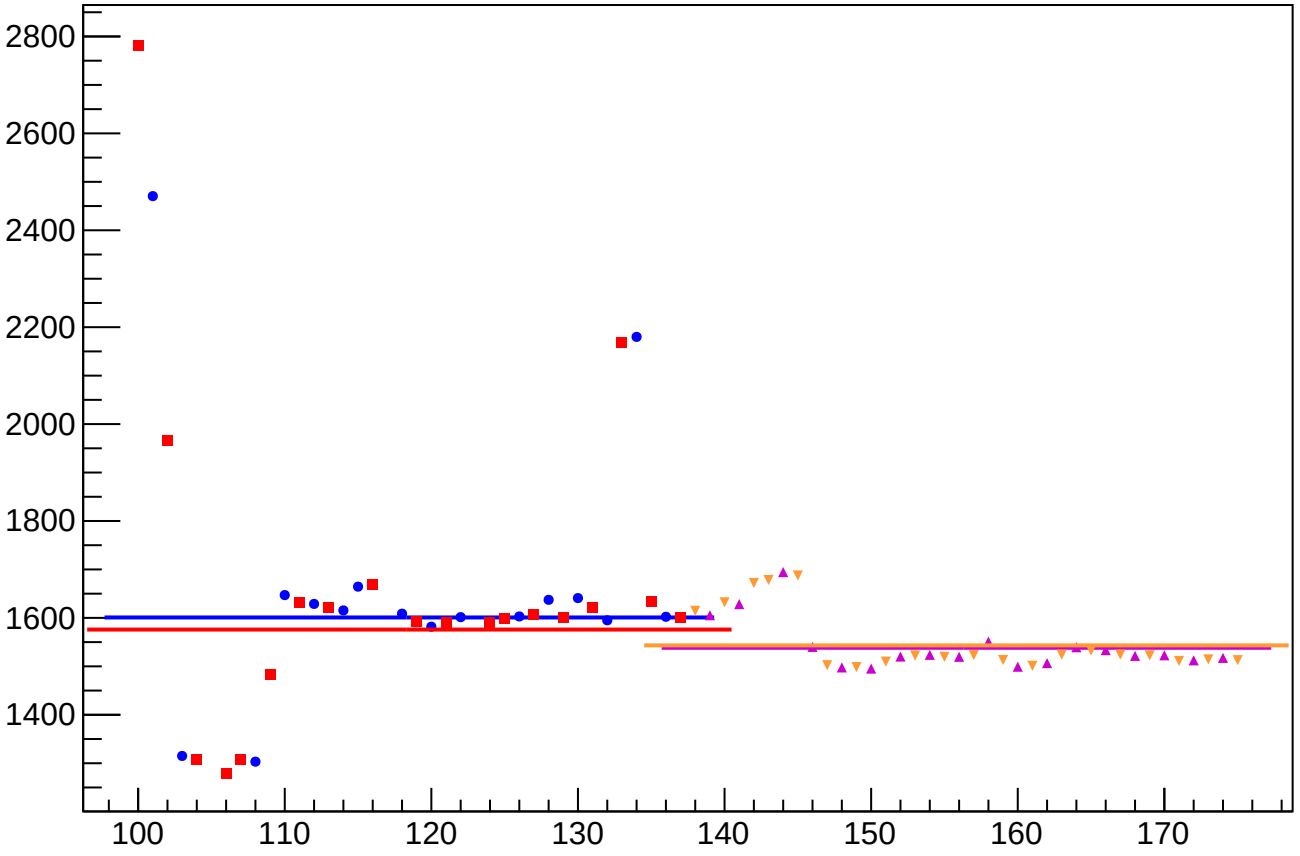
Left In: -2954.060+/-398.965 χ^2/NDF:11.2/17

+ sign 1997.749+/-325.760 χ^2/NDF: 35.4/35

All: -315.987+/-231.858 χ^2/NDF: 165.3/72

- sign -2691.431+/-330.076 χ^2/NDF: 27.7/36

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1543.258+/-0.274 χ^2/NDF:45075.6/19

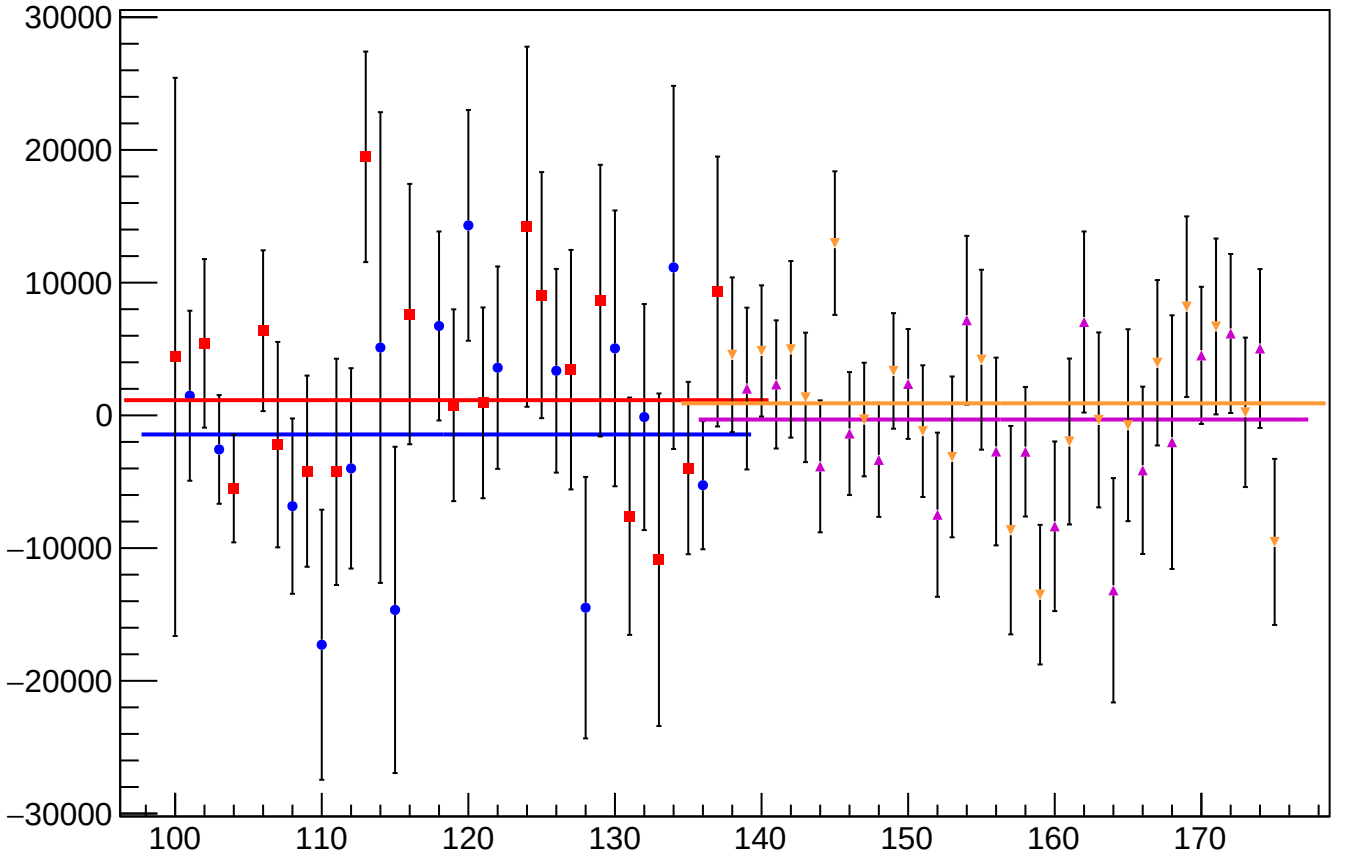
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1538.331+/-0.282 χ^2/NDF:30190.7/17

+ sign 1560.177+/-0.230 χ^2/NDF: 375467.3/35

All: 1555.272+/-0.164 χ^2/NDF: 655533.5/72

- sign 1550.249+/-0.233 χ^2/NDF: 279148.6/36



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 908.477+/-1276.655 χ^2/NDF:21.9/19

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

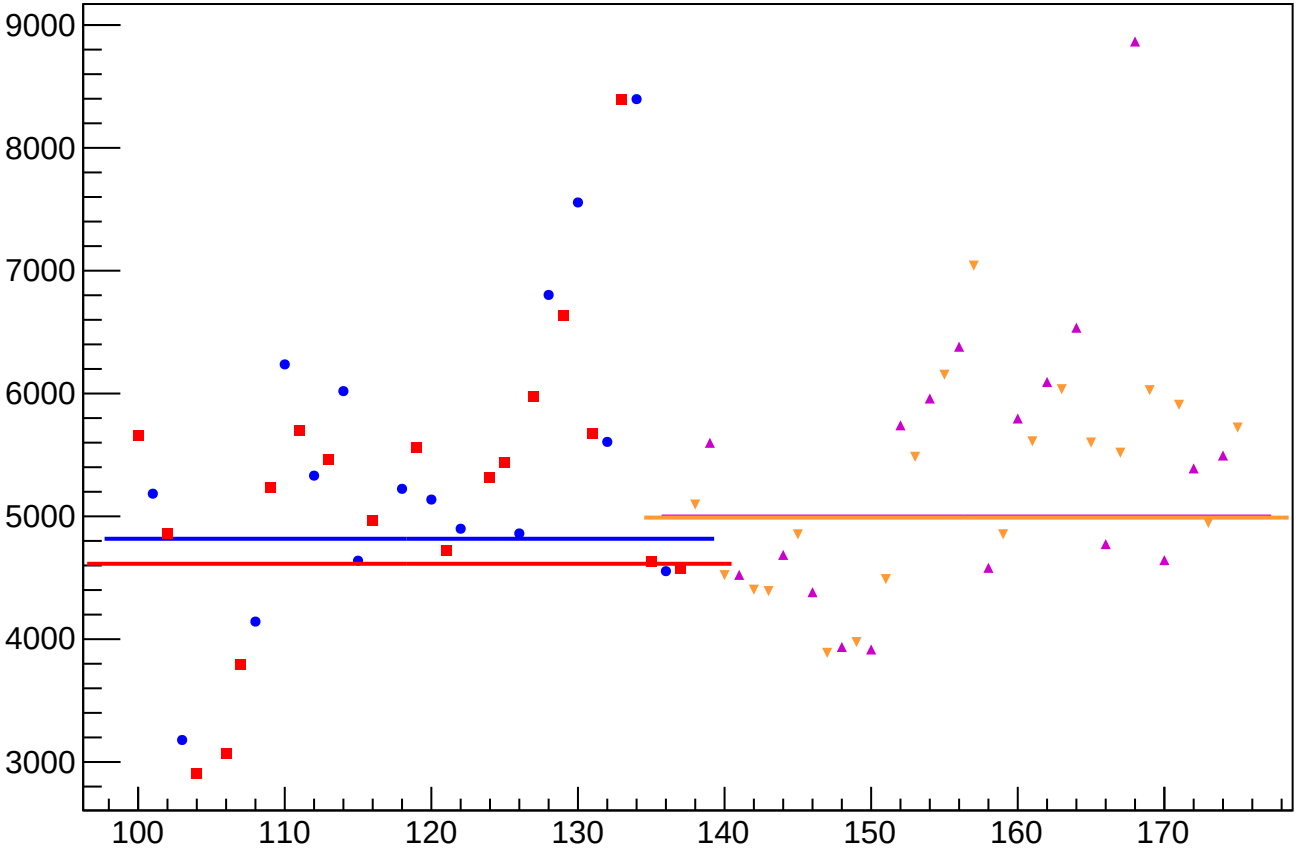
Left In: -311.642+/-1322.696 χ^2/NDF:13.3/17

+ sign 150.798+/-1050.441 χ^2/NDF: 36.8/35

All: 181.407+/-745.622 χ^2/NDF: 66.9/72

- sign 212.491+/-1058.543 χ^2/NDF: 30.0/36

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4989.853+/-0.903 χ^2/NDF:748168.3/19

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

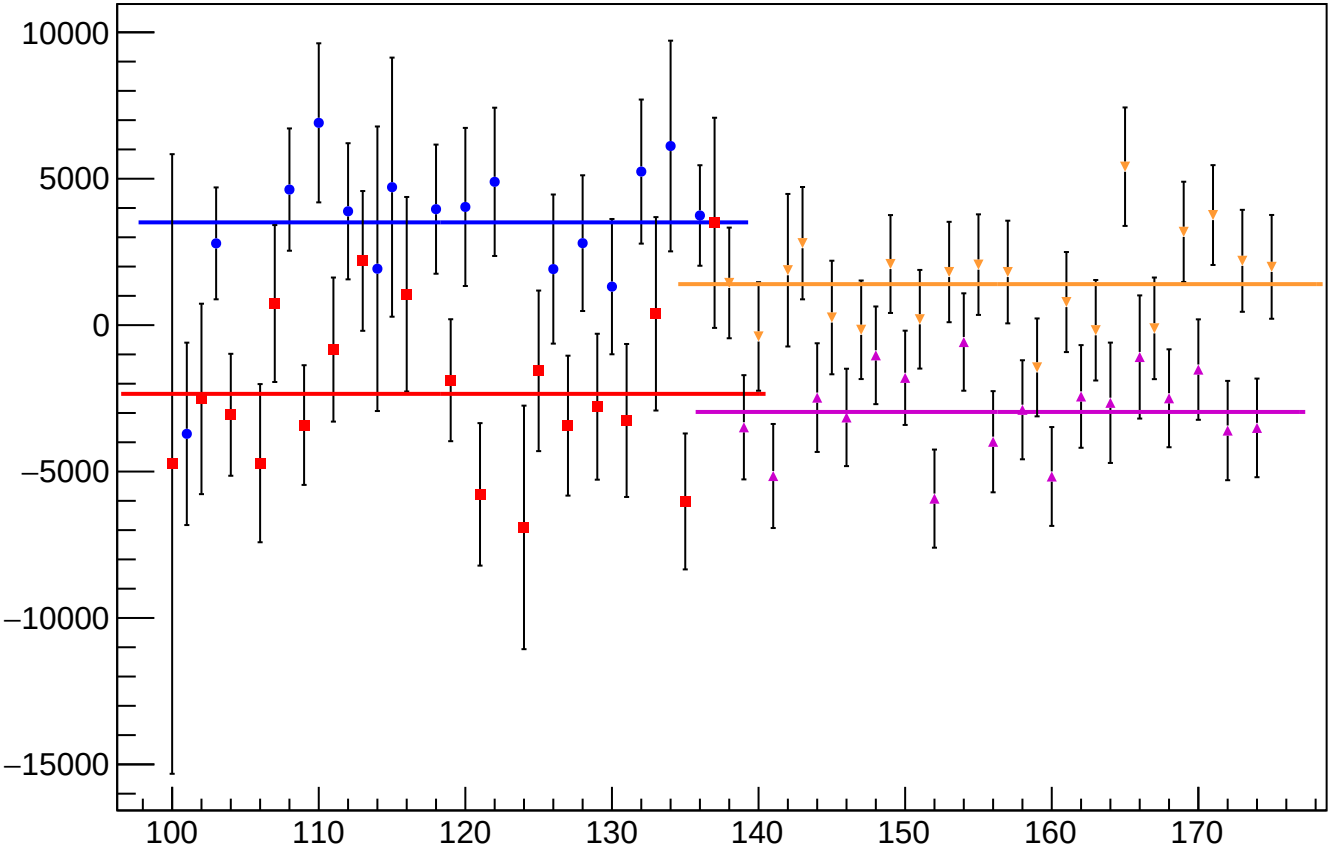
Left In: 4998.352+/-0.935 χ^2/NDF:1017268.0/17

+ sign 4934.178+/-0.743 χ^2/NDF: 1555177.9/35

All: 4897.429+/-0.527 χ^2/NDF: 3616101.5/72

- sign 4860.111+/-0.749 χ^2/NDF: 2055990.1/36

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1400.335+/-399.210 χ^2/NDF:15.5/19

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

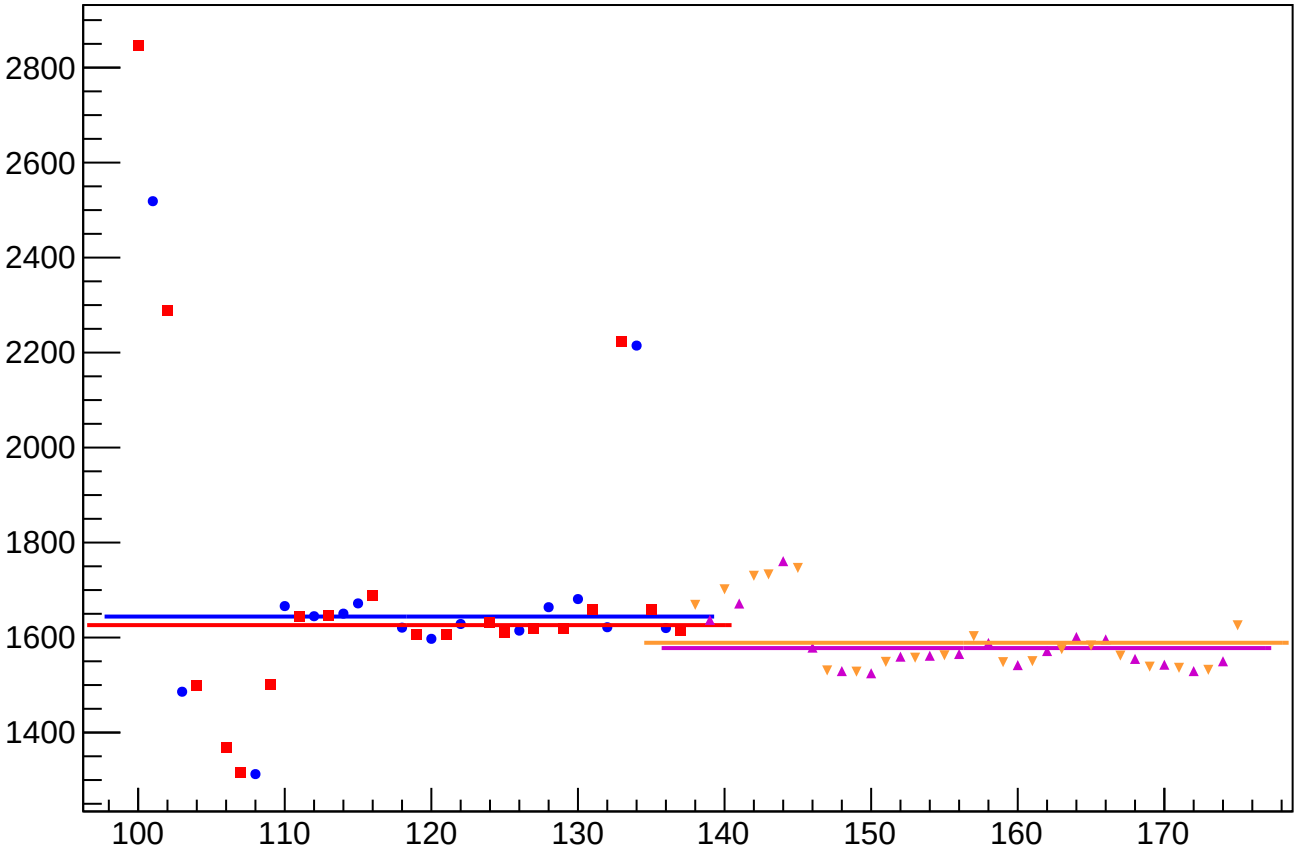
Left In: -2964.559+/-409.284 χ^2/NDF:12.7/17

+ sign 2023.134+/-335.127 χ^2/NDF: 34.1/35

All: -343.660+/-238.479 χ^2/NDF: 165.7/72

- sign -2771.718+/-339.436 χ^2/NDF: 30.6/36

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1589.001+/-0.282 χ^2/NDF:58220.0/19

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

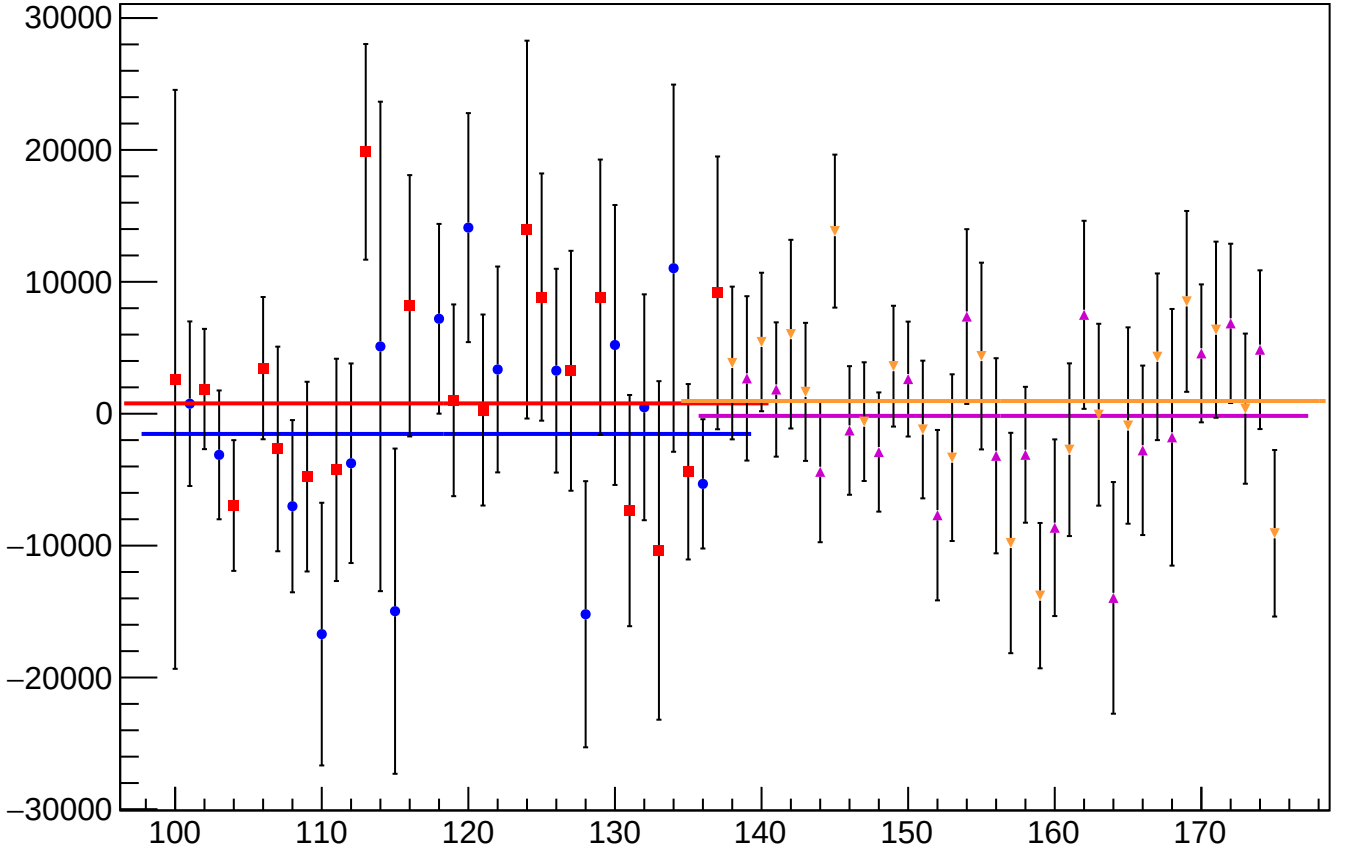
Left In: 1577.823+/-0.289 χ^2/NDF:36441.5/17

+ sign 1605.299+/-0.237 χ^2/NDF: 344328.1/35

All: 1599.195+/-0.169 χ^2/NDF: 628477.2/72

- sign 1592.936+/-0.240 χ^2/NDF: 282805.2/36

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 964.172+/-1330.388 χ^2/NDF:21.7/19

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

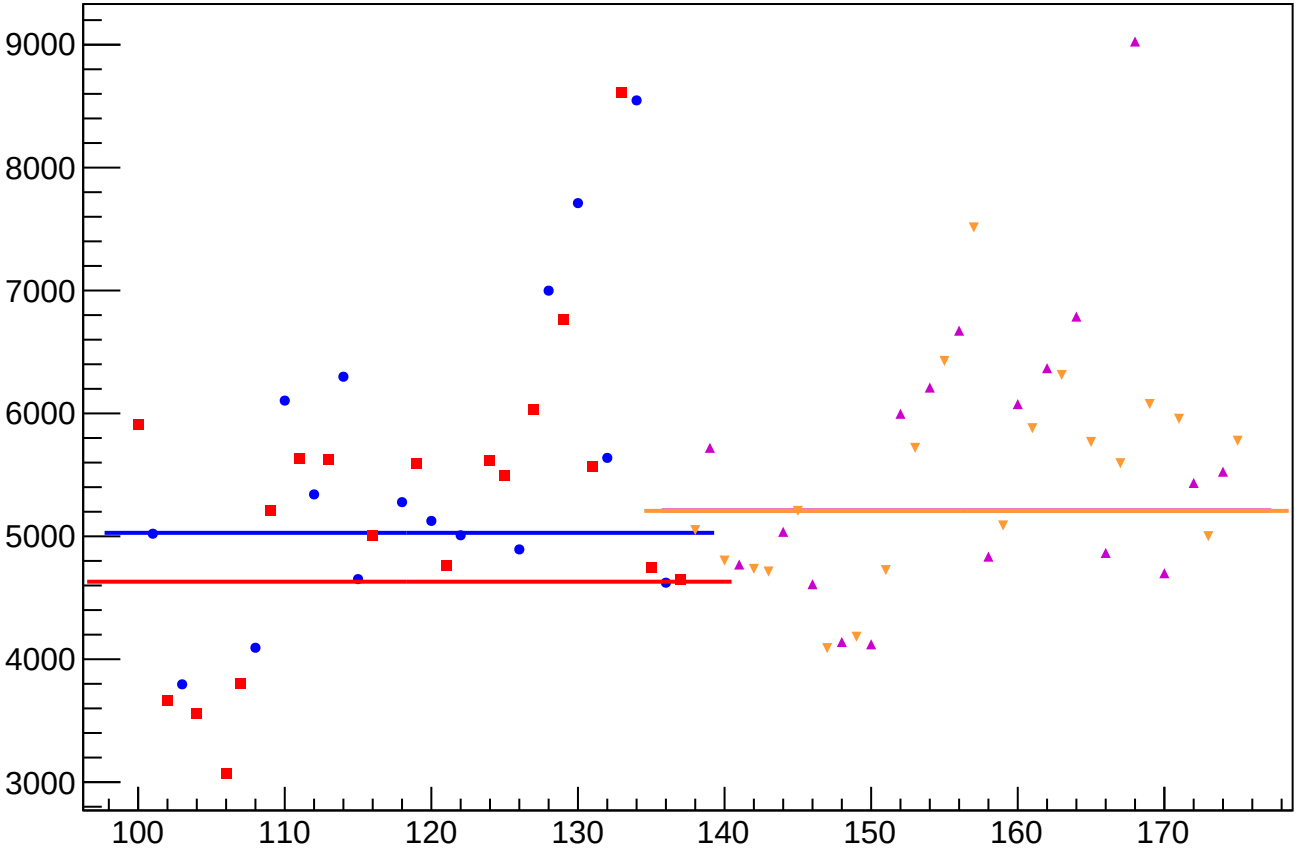
Left In: -164.112+/-1377.295 χ^2/NDF:13.3/17

+ sign 150.882+/-1092.377 χ^2/NDF: 36.7/35

All: 175.166+/-768.719 χ^2/NDF: 65.2/72

- sign 198.989+/-1081.963 χ^2/NDF: 28.5/36

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5207.276+/-0.941 χ^2/NDF:673583.3/19

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

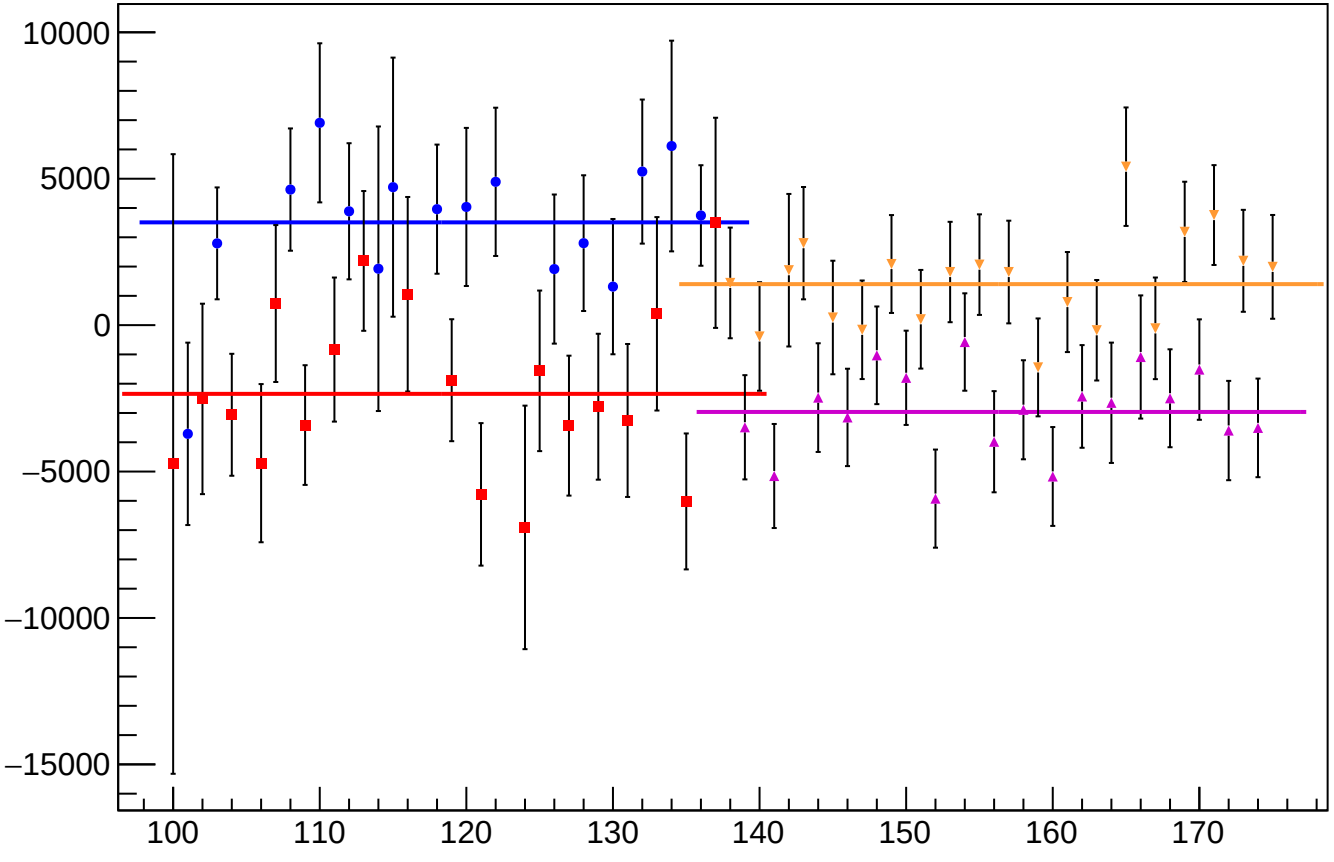
Left In: 5210.392+/-0.974 χ^2/NDF:953247.2/17

+ sign 5149.014+/-0.772 χ^2/NDF: 1250825.7/35

All: 5067.997+/-0.544 χ^2/NDF: 3224941.1/72

- sign 4988.518+/-0.765 χ^2/NDF: 1952322.0/36

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1400.327+/-399.210 χ^2/NDF:15.5/19

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

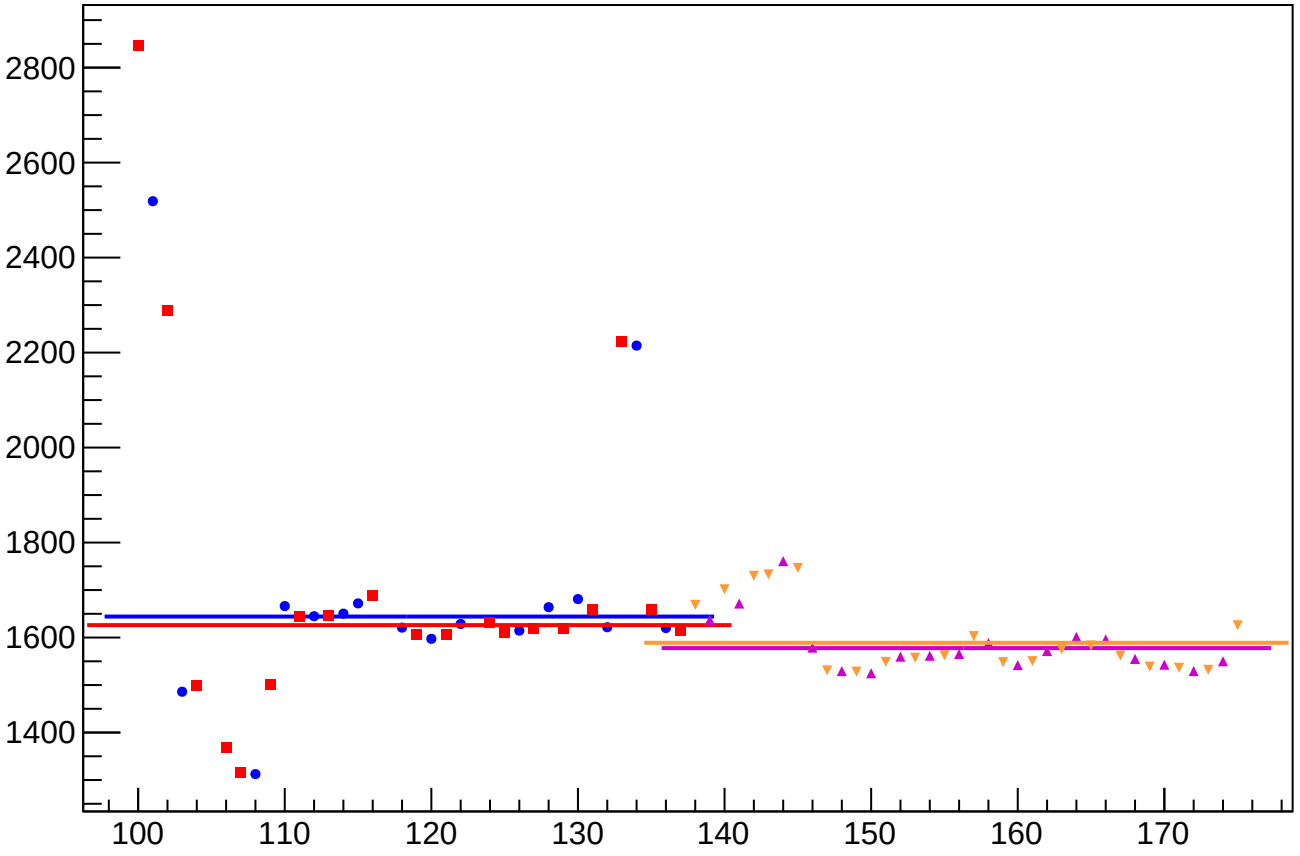
Left In: -2964.562+/-409.284 χ^2/NDF:12.7/17

+ sign 2023.130+/-335.127 χ^2/NDF: 34.1/35

All: -343.663+/-238.480 χ^2/NDF: 165.7/72

- sign -2771.722+/-339.437 χ^2/NDF: 30.6/36

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1589.002+/-0.282 χ^2/NDF:58220.1/19

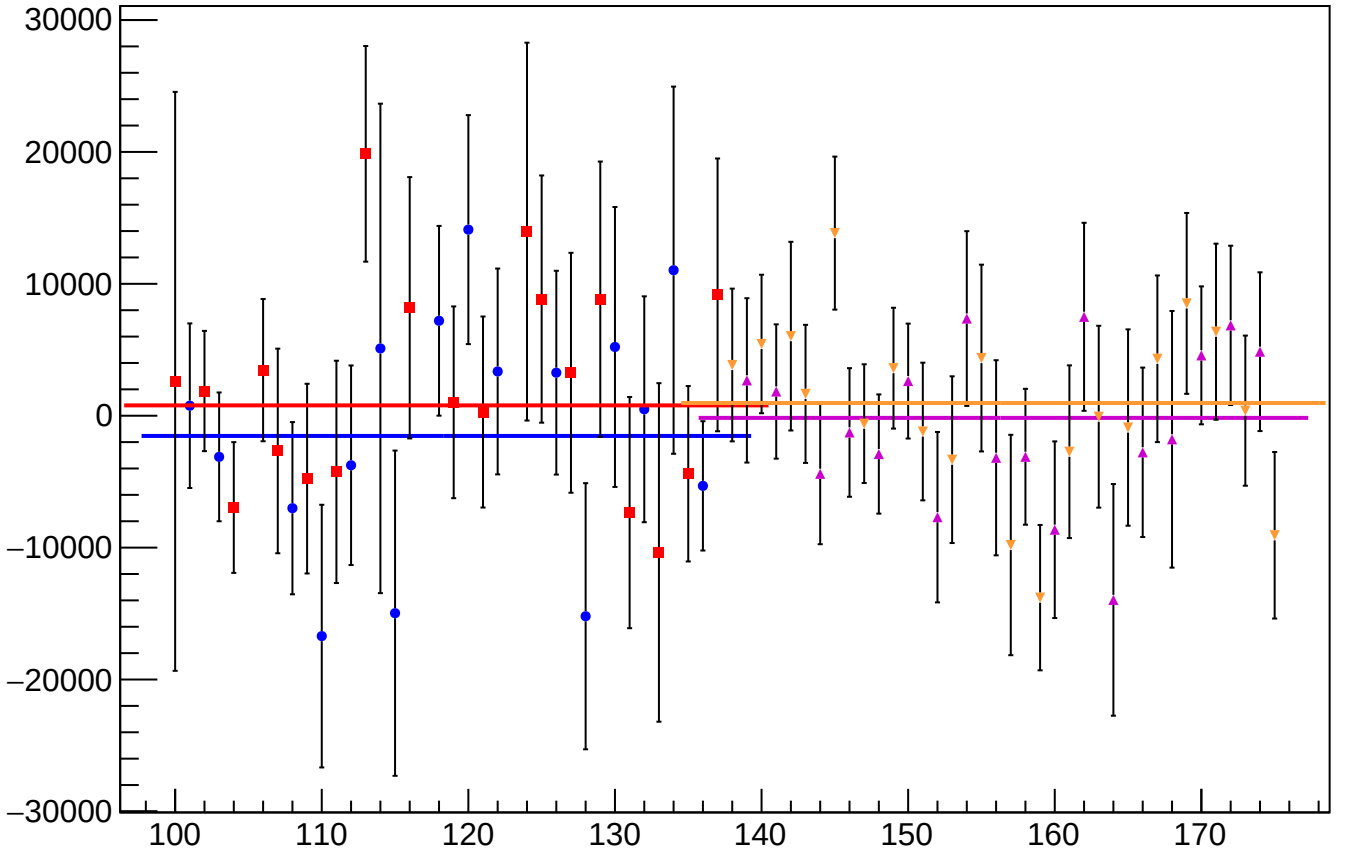
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1577.824+/-0.289 χ^2/NDF:36441.6/17

+ sign 1605.300+/-0.237 χ^2/NDF: 344327.8/35

All: 1599.196+/-0.169 χ^2/NDF: 628476.0/72

- sign 1592.937+/-0.240 χ^2/NDF: 282804.3/36



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 964.170+/-1330.390 χ^2/NDF:21.7/19

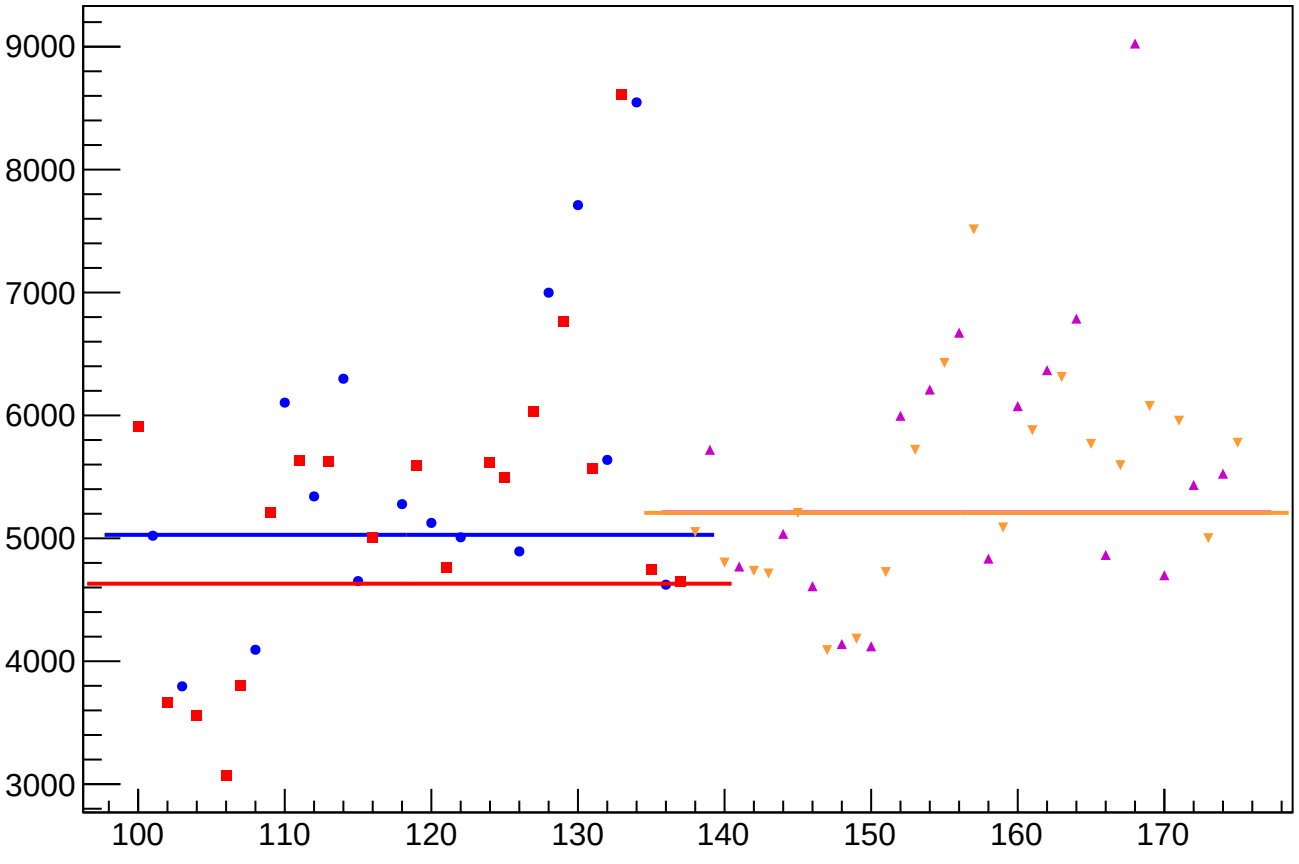
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -164.110+/-1377.297 χ^2/NDF:13.3/17

+ sign 150.881+/-1092.377 χ^2/NDF: 36.7/35

All: 175.167+/-768.719 χ^2/NDF: 65.2/72

- sign 198.992+/-1081.963 χ^2/NDF: 28.5/36



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5207.285+/-0.941 χ^2/NDF:673583.8/19

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

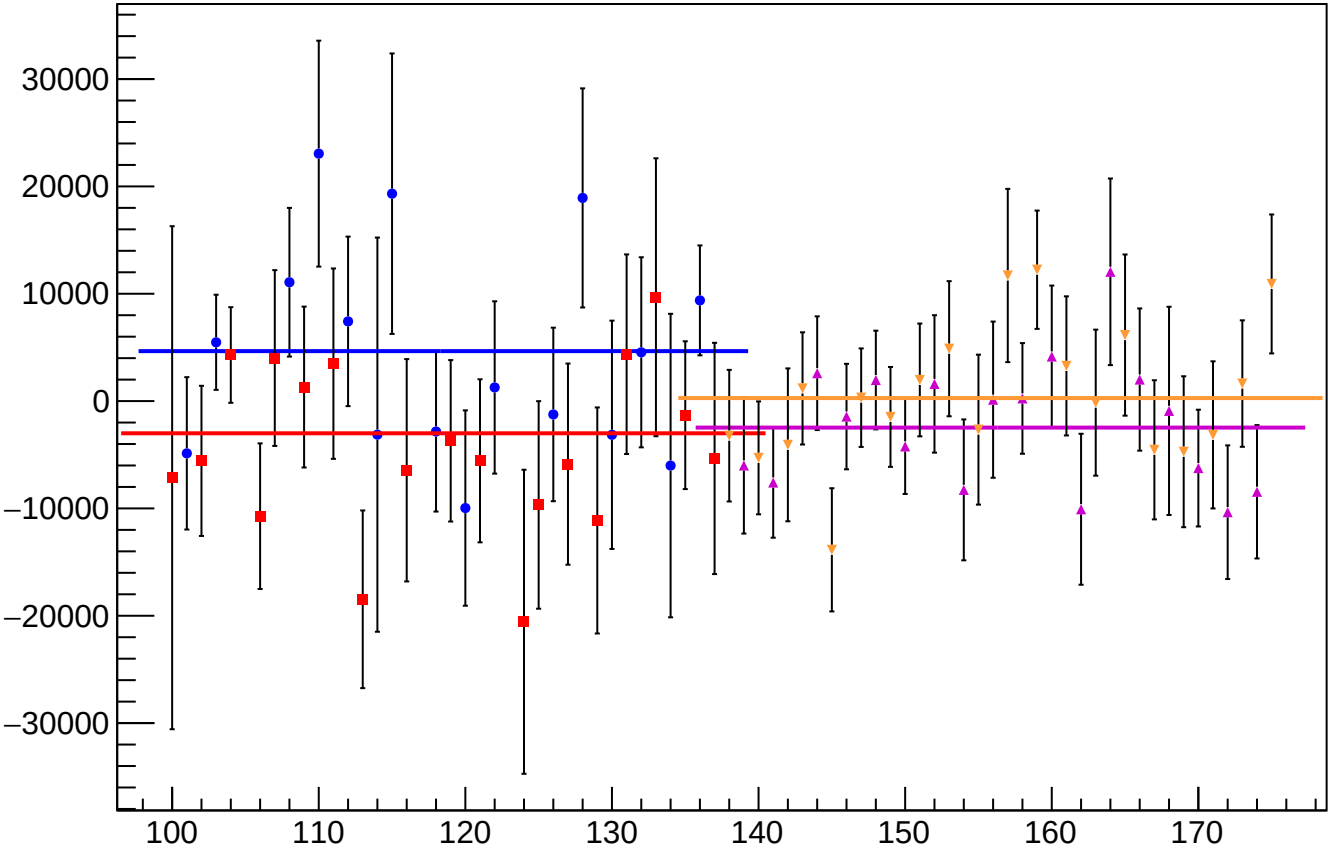
Left In: 5210.401+/-0.974 χ^2/NDF:953248.9/17

+ sign 5149.018+/-0.772 χ^2/NDF: 1250822.0/35

All: 5068.000+/-0.544 χ^2/NDF: 3224940.7/72

- sign 4988.520+/-0.765 χ^2/NDF: 1952324.8/36

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 280.747+/-1342.981 χ^2/NDF:20.5/19

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

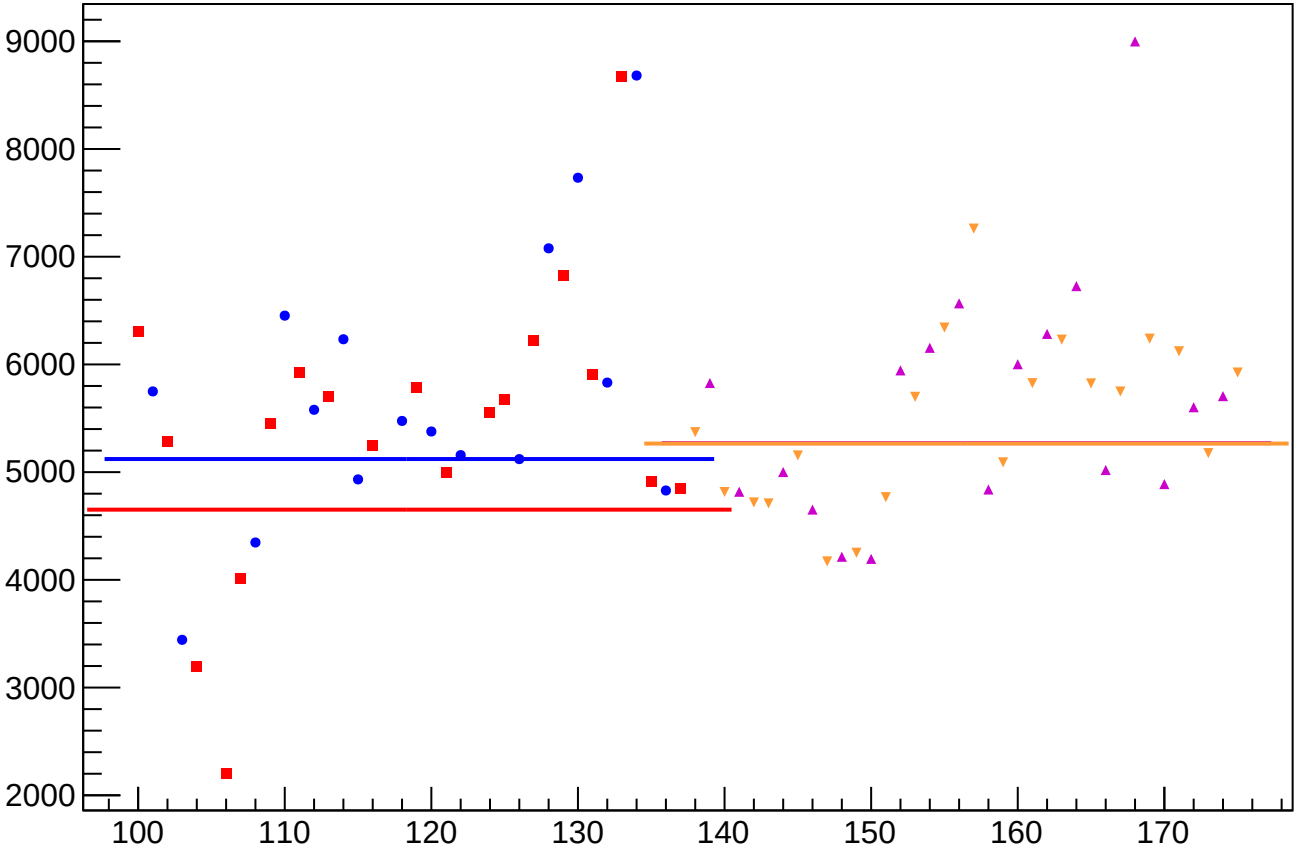
Left In: -2469.833+/-1390.239 χ^2/NDF:13.4/17

+ sign 1679.152+/-1107.592 χ^2/NDF: 39.4/35

All: -467.995+/-786.978 χ^2/NDF: 74.3/72

- sign -2657.242+/-1118.398 χ^2/NDF: 27.3/36

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5265.283+/-0.950 χ^2/NDF:626414.5/19

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

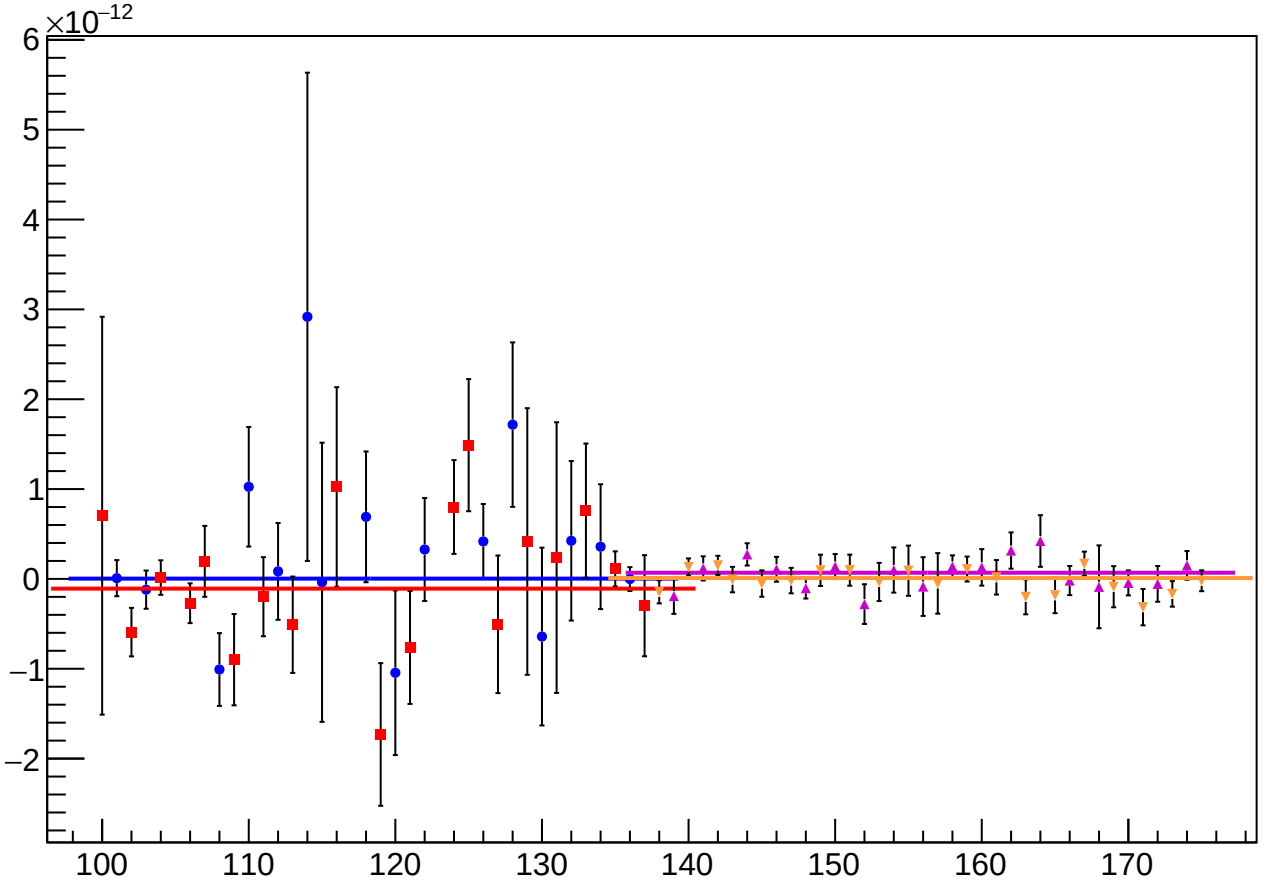
Left In: 5269.485+/-0.983 χ^2/NDF:872819.6/17

+ sign 5219.343+/-0.783 χ^2/NDF: 1354101.8/35

All: 5129.463+/-0.553 χ^2/NDF: 3744472.7/72

- sign 5040.374+/-0.780 χ^2/NDF: 2364146.1/36

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.1/19

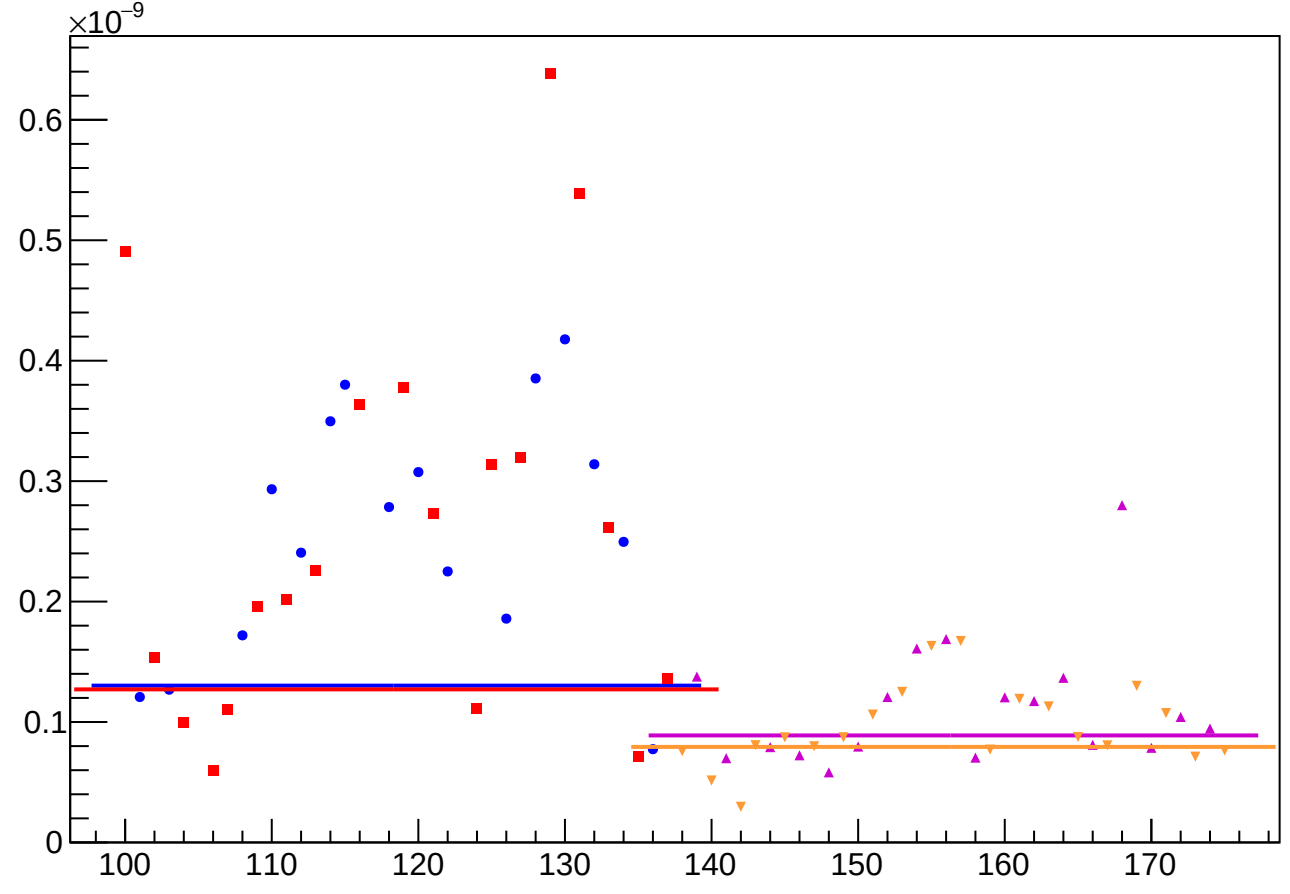
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 32.1/35

All: 0.000+/-0.000 χ^2/NDF: 76.0/72

- sign 0.000+/-0.000 χ^2/NDF: 43.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1370050.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

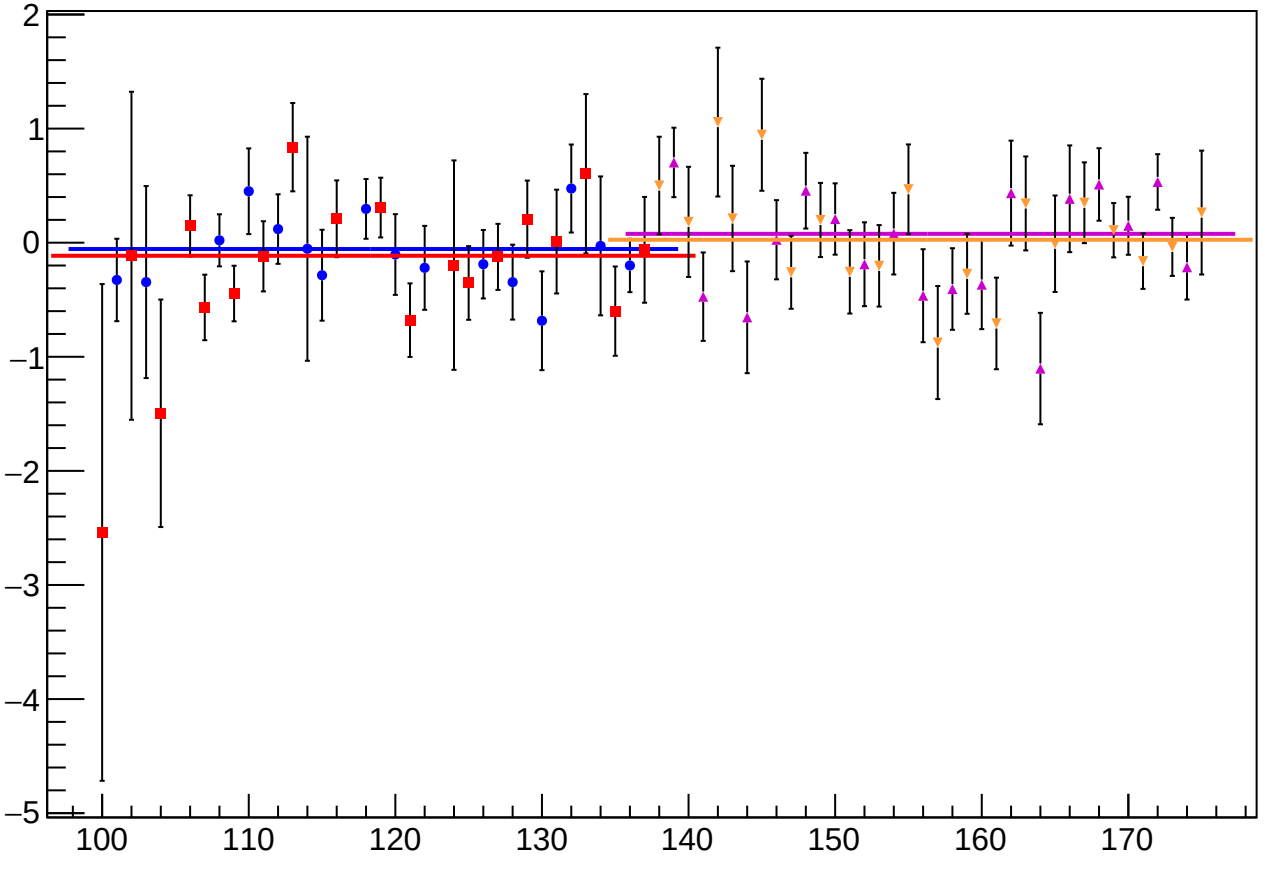
Left In: 0.000+/-0.000 χ^2/NDF:1241069.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 3298754.8/35

All: 0.000+/-0.000 χ^2/NDF: 6648655.1/72

- sign 0.000+/-0.000 χ^2/NDF: 3281424.6/36

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.026+/-0.081 χ^2/NDF:20.7/19

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

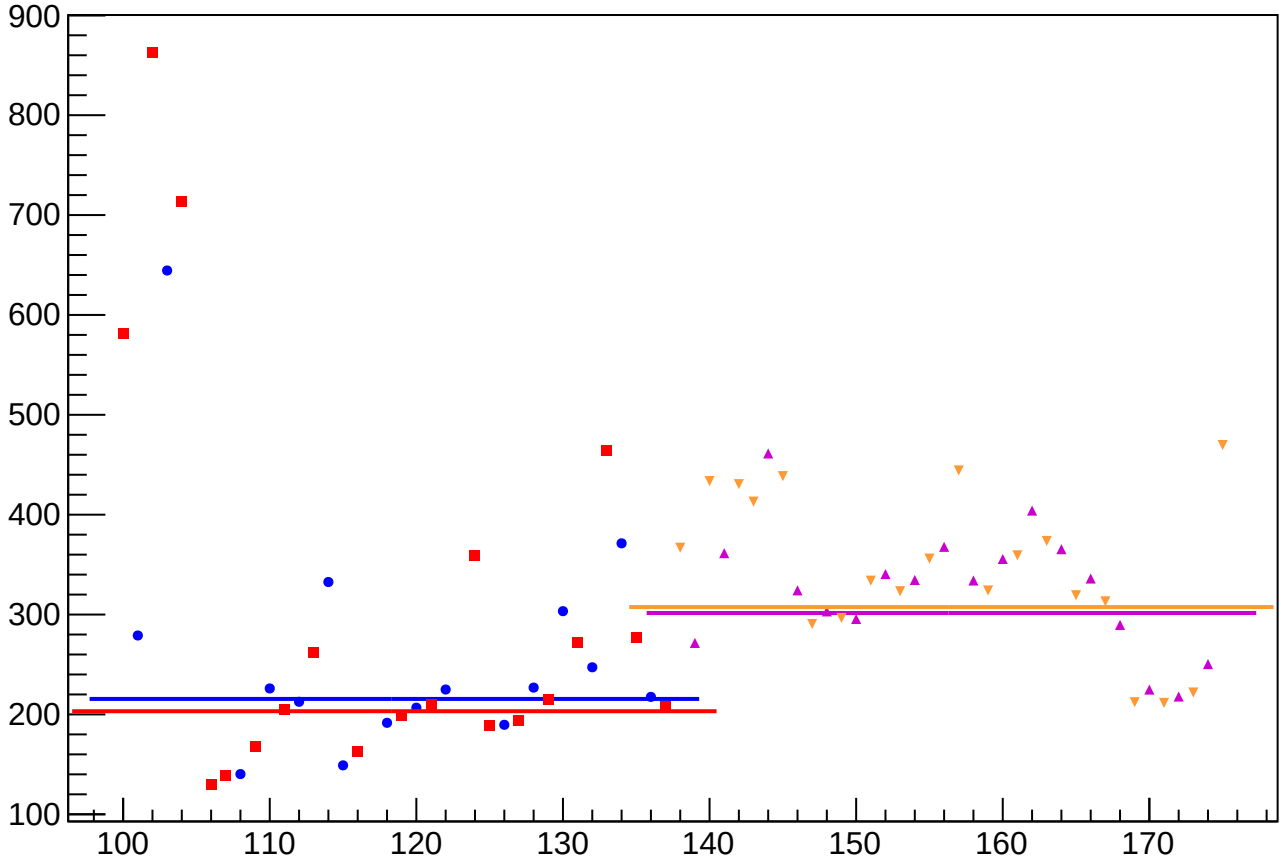
Left In: 0.077+/-0.081 χ^2/NDF:28.8/17

+ sign -0.013+/-0.059 χ^2/NDF: 31.8/35

All: -0.014+/-0.041 χ^2/NDF: 88.5/72

- sign -0.016+/-0.058 χ^2/NDF: 56.7/36

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 307.496+/-0.057 χ^2/NDF:1827239.1/19

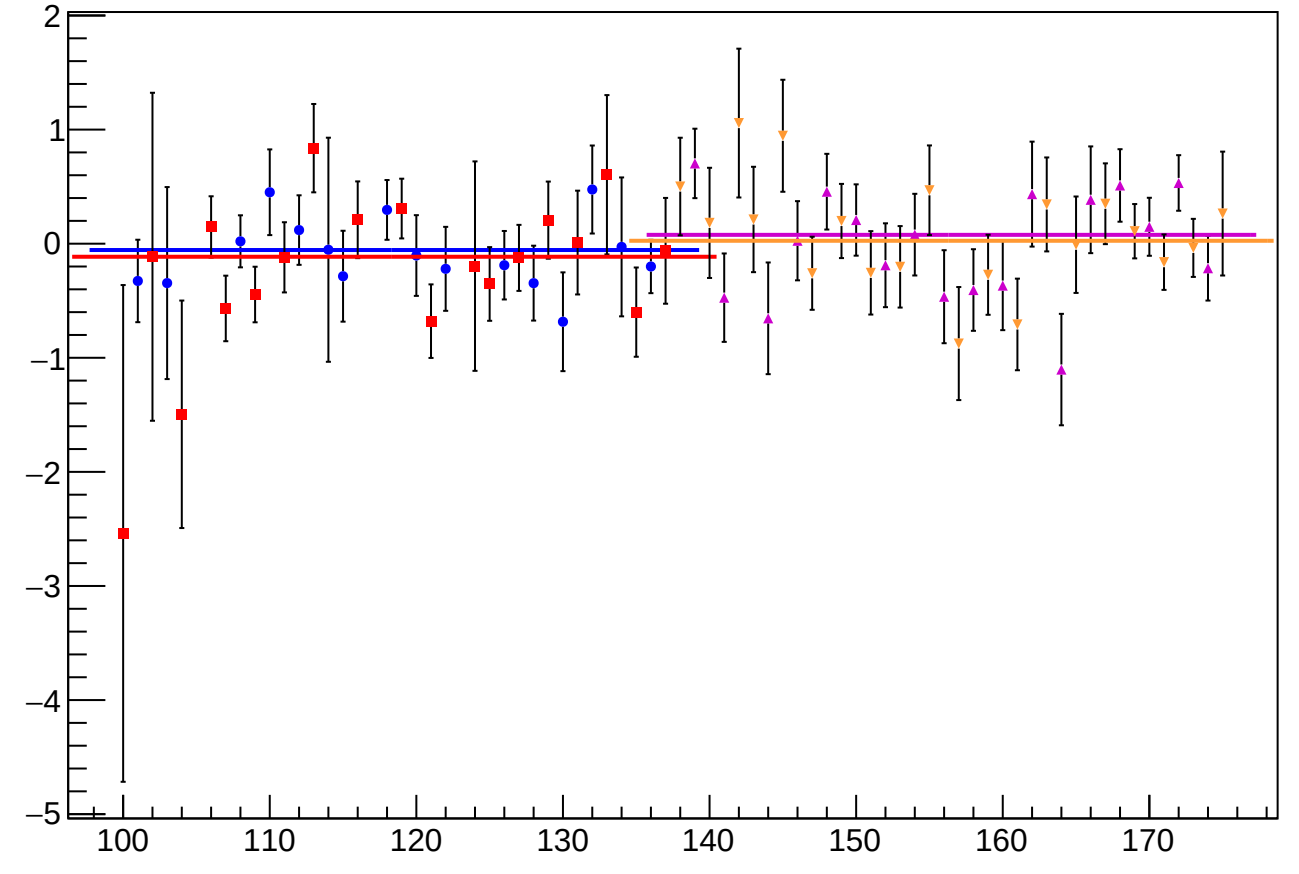
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 301.559+/-0.057 χ^2/NDF:1067132.2/17

+ sign 264.105+/-0.042 χ^2/NDF: 4199436.7/35

All: 258.894+/-0.029 χ^2/NDF: 8570651.5/72

- sign 253.811+/-0.041 χ^2/NDF: 4340086.7/36



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.026+/-0.081 χ^2/NDF:20.7/19

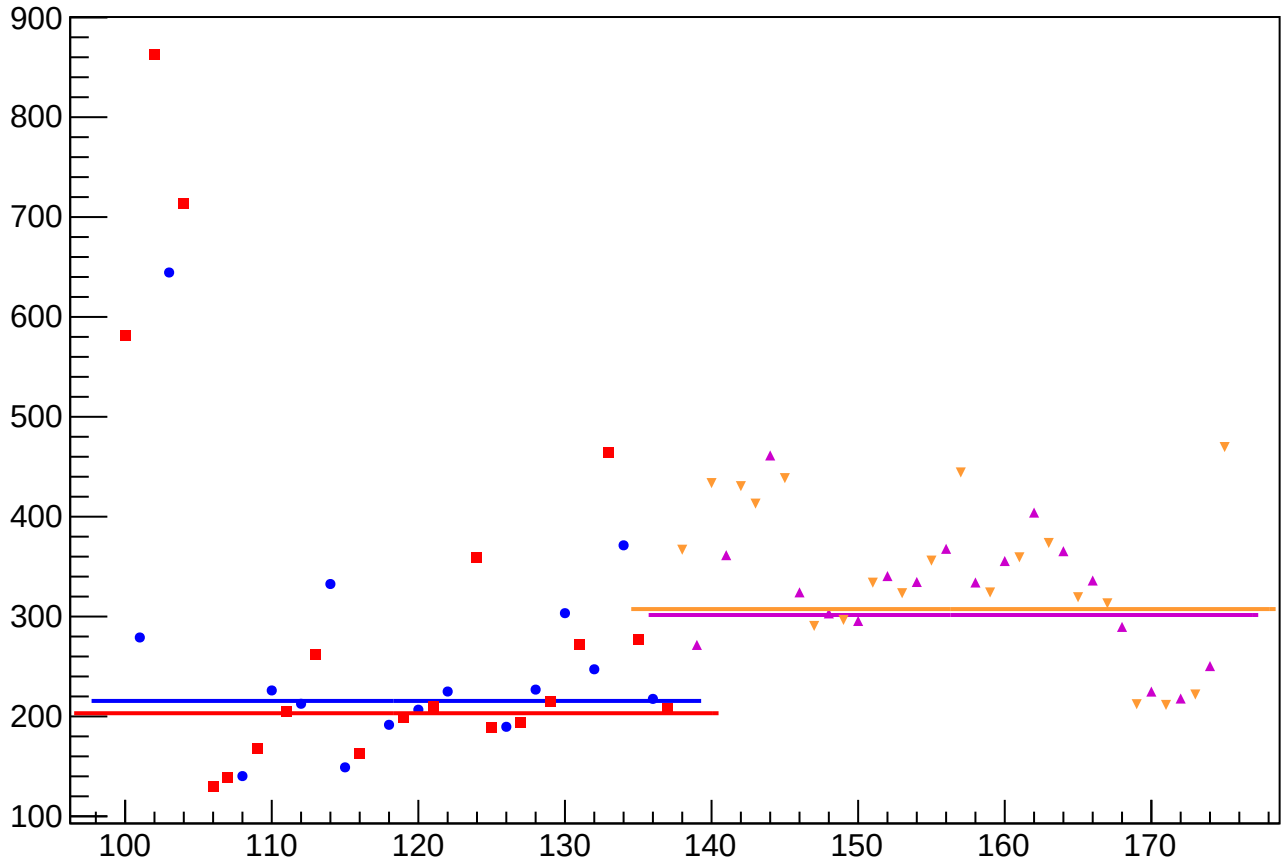
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.077+/-0.081 χ^2/NDF:28.8/17

+ sign -0.013+/-0.059 χ^2/NDF: 31.8/35

All: -0.014+/-0.041 χ^2/NDF: 88.5/72

- sign -0.016+/-0.058 χ^2/NDF: 56.7/36



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 307.496+/-0.057 χ^2/NDF:1827239.1/19

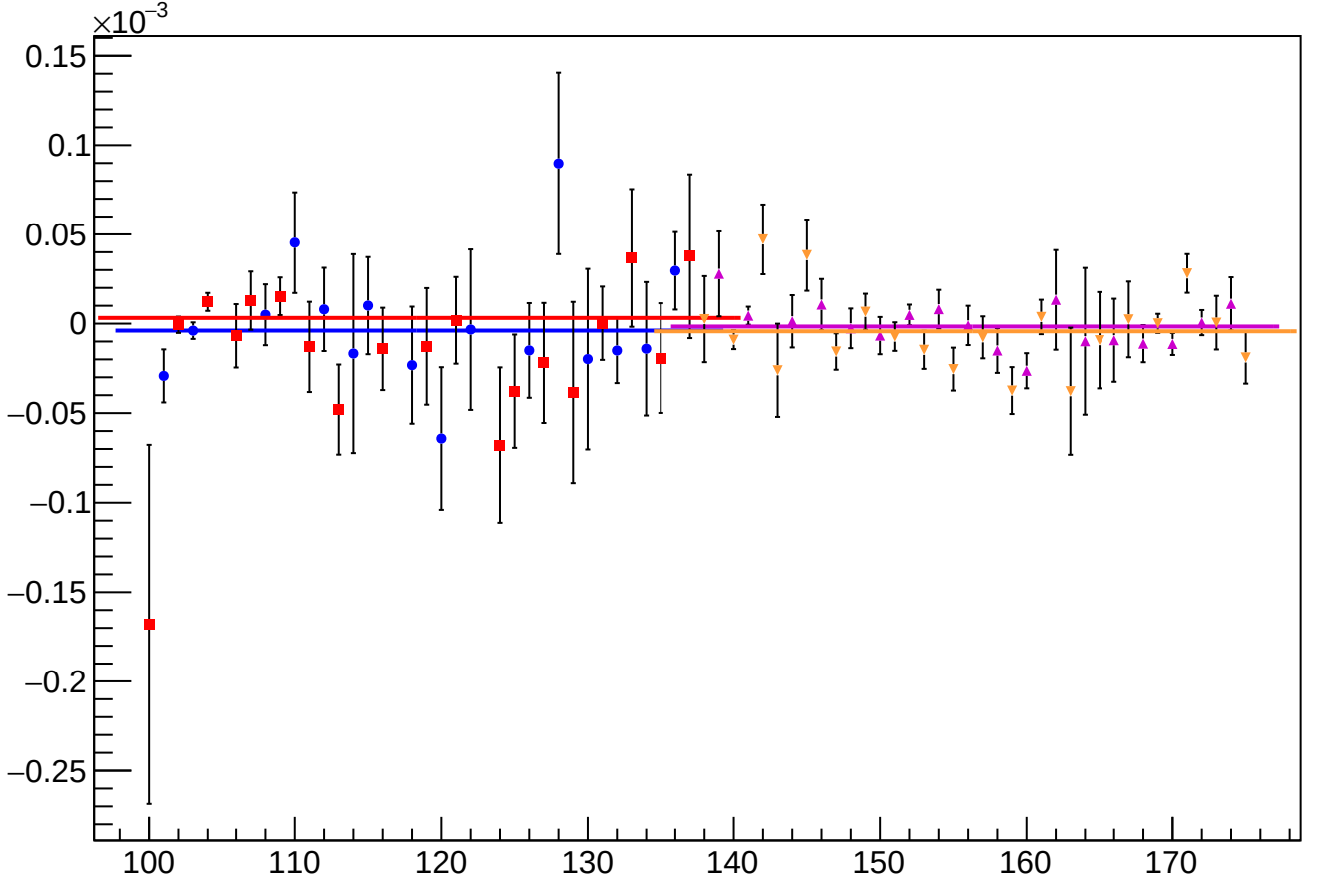
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 301.559+/-0.057 χ^2/NDF:1067132.2/17

+ sign 264.105+/-0.042 χ^2/NDF: 4199436.7/35

All: 258.894+/-0.029 χ^2/NDF: 8570651.5/72

- sign 253.811+/-0.041 χ^2/NDF: 4340086.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.6/19

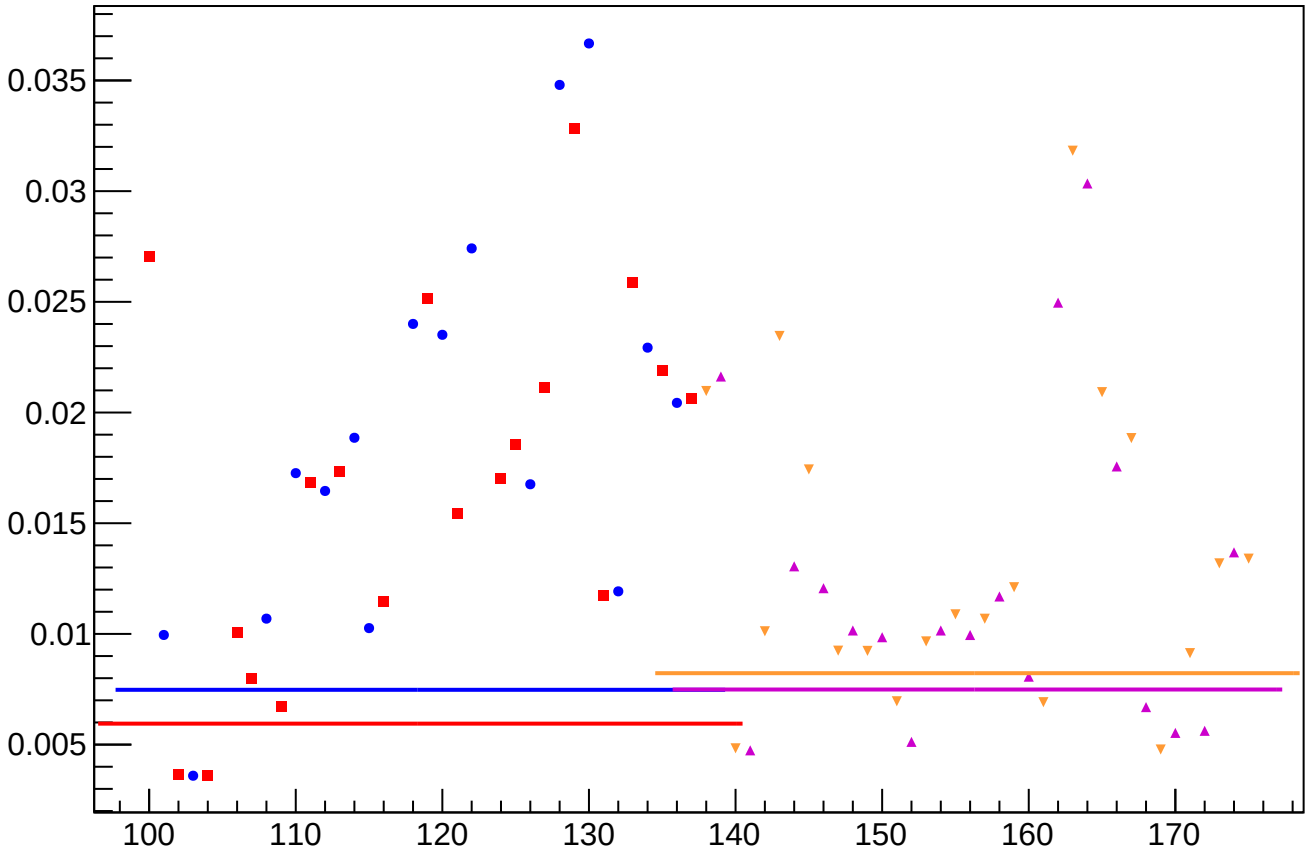
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:18.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 54.6/35

All: -0.000+/-0.000 χ^2/NDF: 98.8/72

- sign 0.000+/-0.000 χ^2/NDF: 41.5/36



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:6195256.3/19

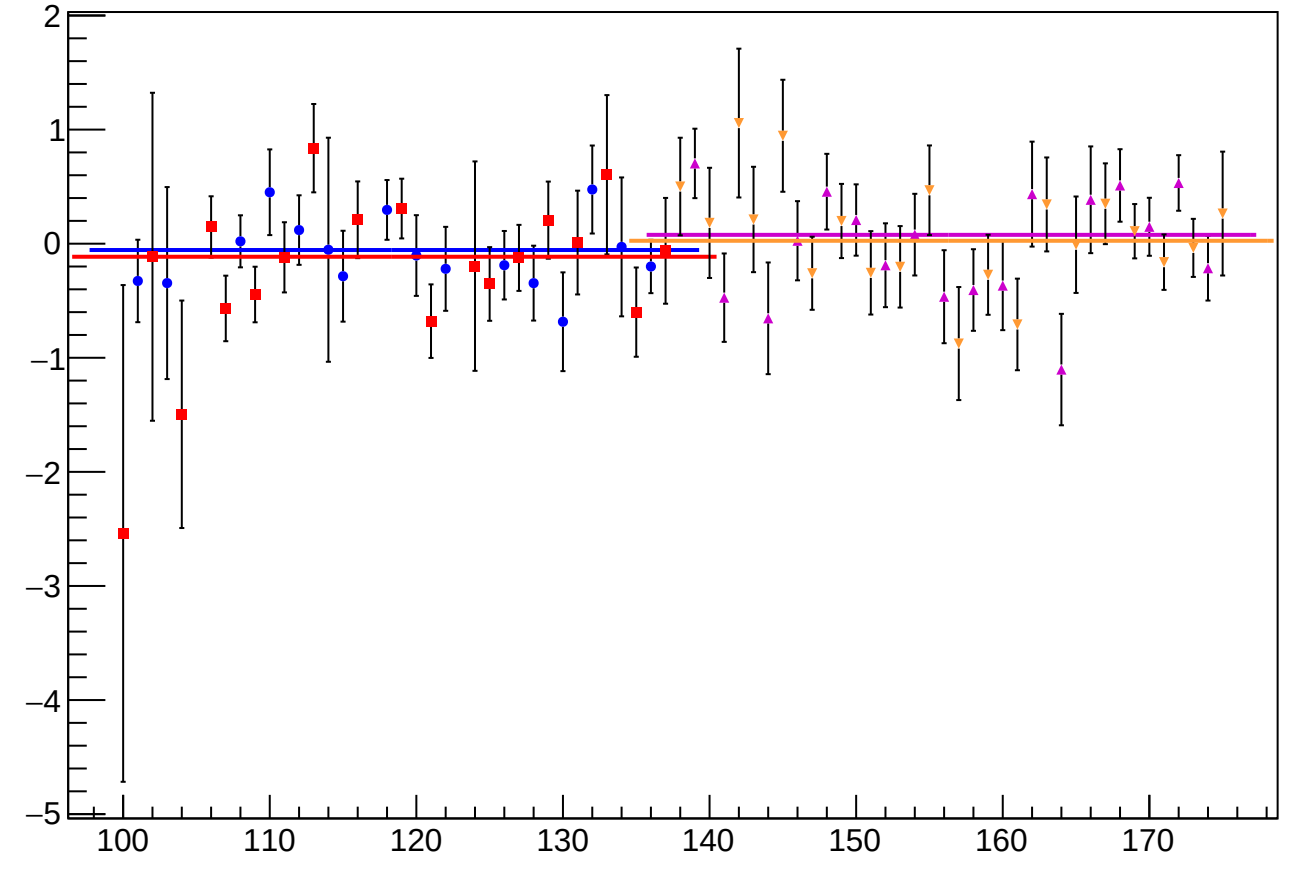
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:5281698.8/17

+ sign 0.008+/-0.000 χ^2/NDF: 12327773.3/35

All: 0.007+/-0.000 χ^2/NDF: 24235174.0/72

- sign 0.007+/-0.000 χ^2/NDF: 11567656.9/36



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.026+/-0.081 χ^2/NDF:20.7/19

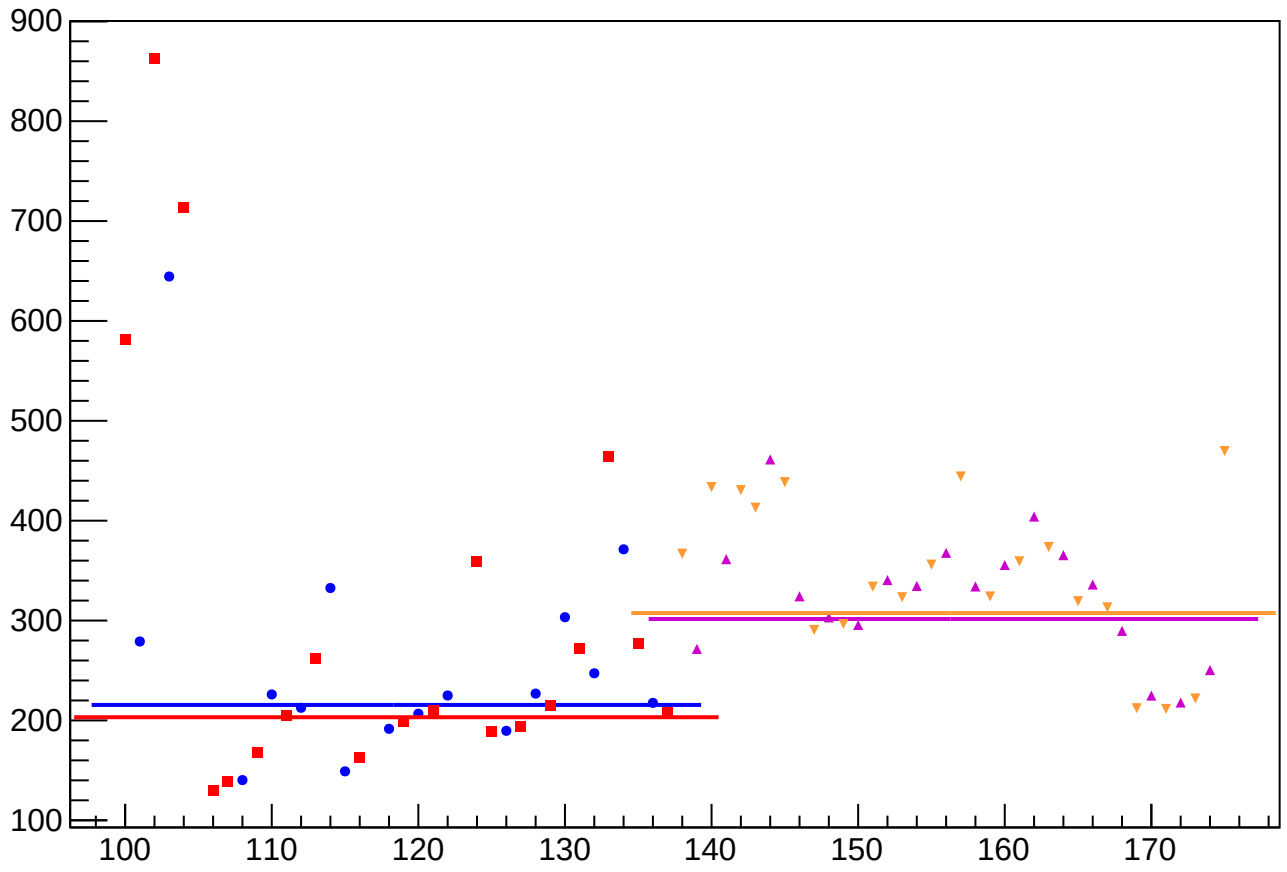
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.077+/-0.081 χ^2/NDF:28.8/17

+ sign -0.013+/-0.059 χ^2/NDF: 31.8/35

All: -0.014+/-0.041 χ^2/NDF: 88.5/72

- sign -0.016+/-0.058 χ^2/NDF: 56.7/36



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 307.499+/-0.057 χ^2/NDF:1827329.9/19

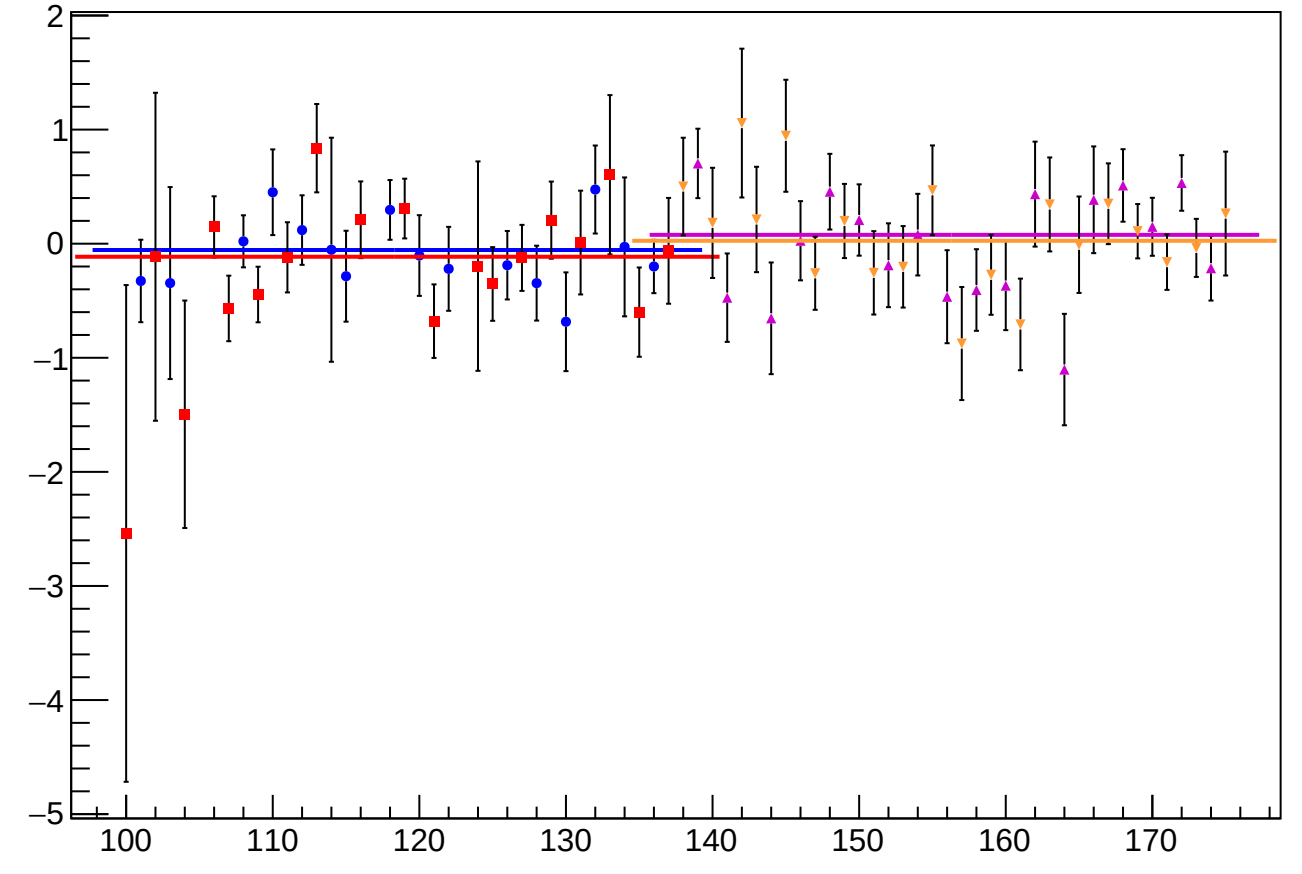
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 301.562+/-0.057 χ^2/NDF:1067182.6/17

+ sign 264.105+/-0.042 χ^2/NDF: 4199606.4/35

All: 258.894+/-0.029 χ^2/NDF: 8570999.1/72

- sign 253.811+/-0.041 χ^2/NDF: 4340264.8/36



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.026+/-0.081 χ^2/NDF:20.7/19

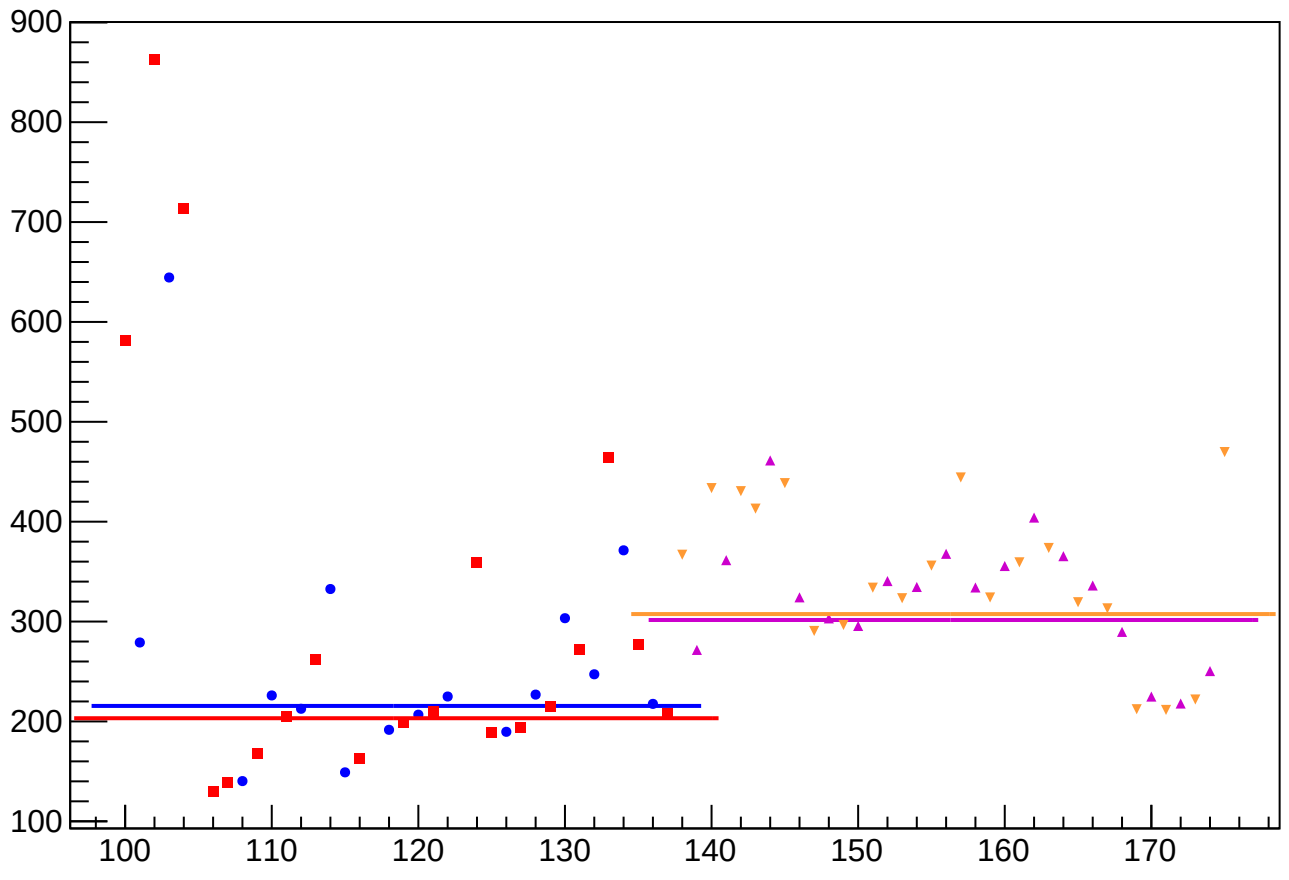
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.077+/-0.081 χ^2/NDF:28.8/17

+ sign -0.013+/-0.059 χ^2/NDF: 31.8/35

All: -0.014+/-0.041 χ^2/NDF: 88.5/72

- sign -0.016+/-0.058 χ^2/NDF: 56.7/36



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 307.499+/-0.057 χ^2/NDF:1827329.9/19

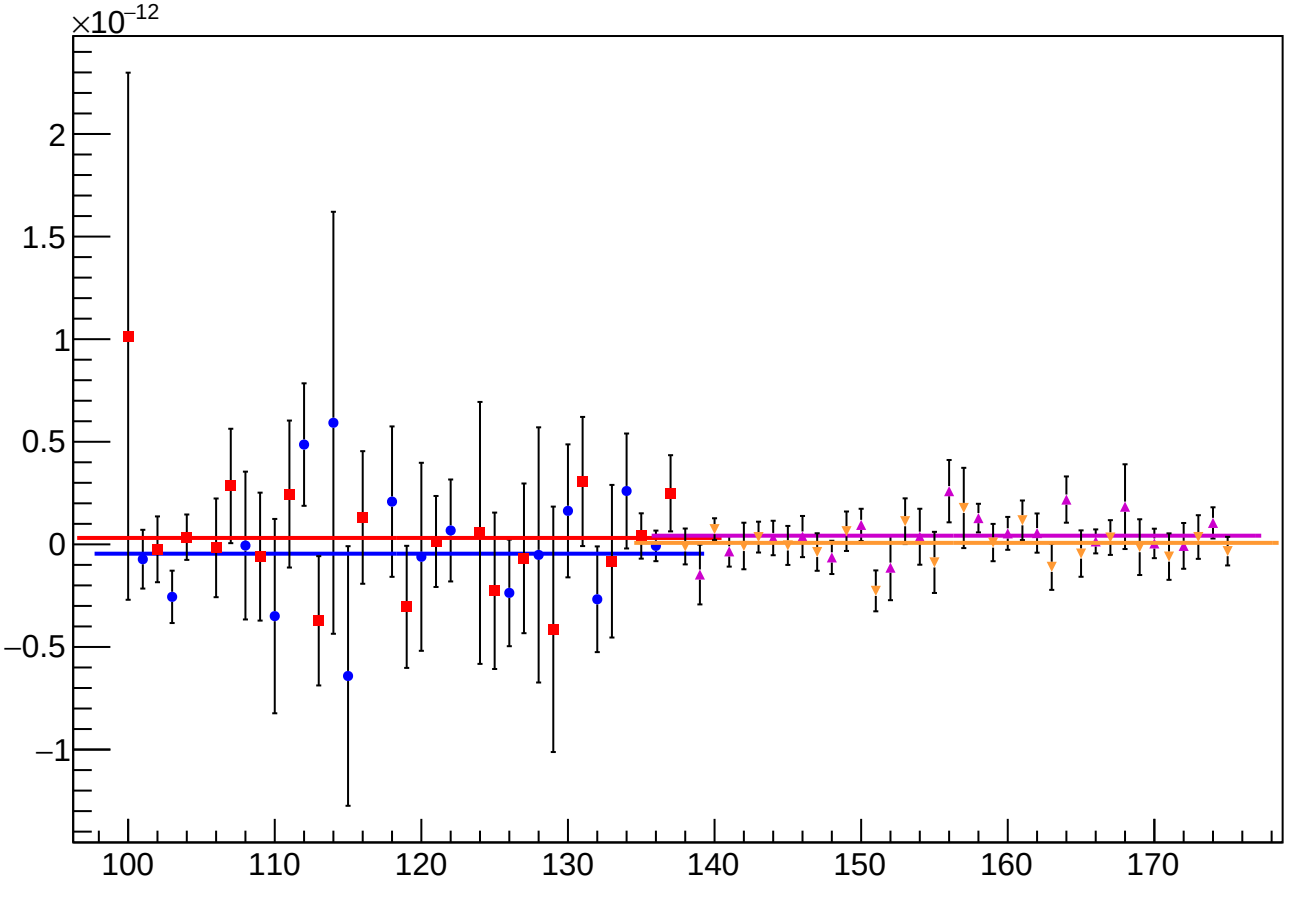
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 301.562+/-0.057 χ^2/NDF:1067182.6/17

+ sign 264.105+/-0.042 χ^2/NDF: 4199606.4/35

All: 258.894+/-0.029 χ^2/NDF: 8570999.1/72

- sign 253.811+/-0.041 χ^2/NDF: 4340264.8/36



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/19

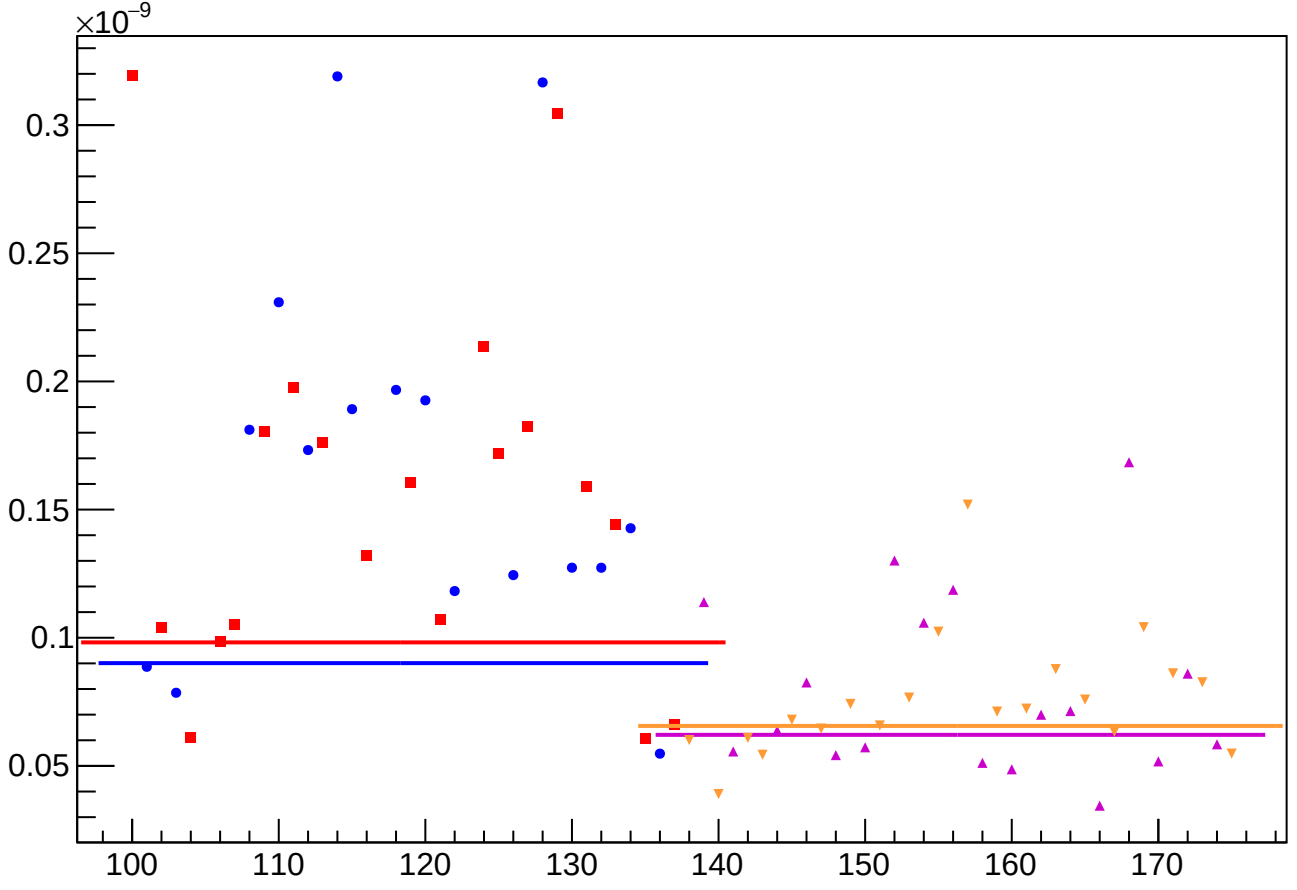
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/17

+ sign -0.000+/-0.000 χ^2/NDF: 25.8/35

All: 0.000+/-0.000 χ^2/NDF: 50.2/72

- sign 0.000+/-0.000 χ^2/NDF: 22.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1545323.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

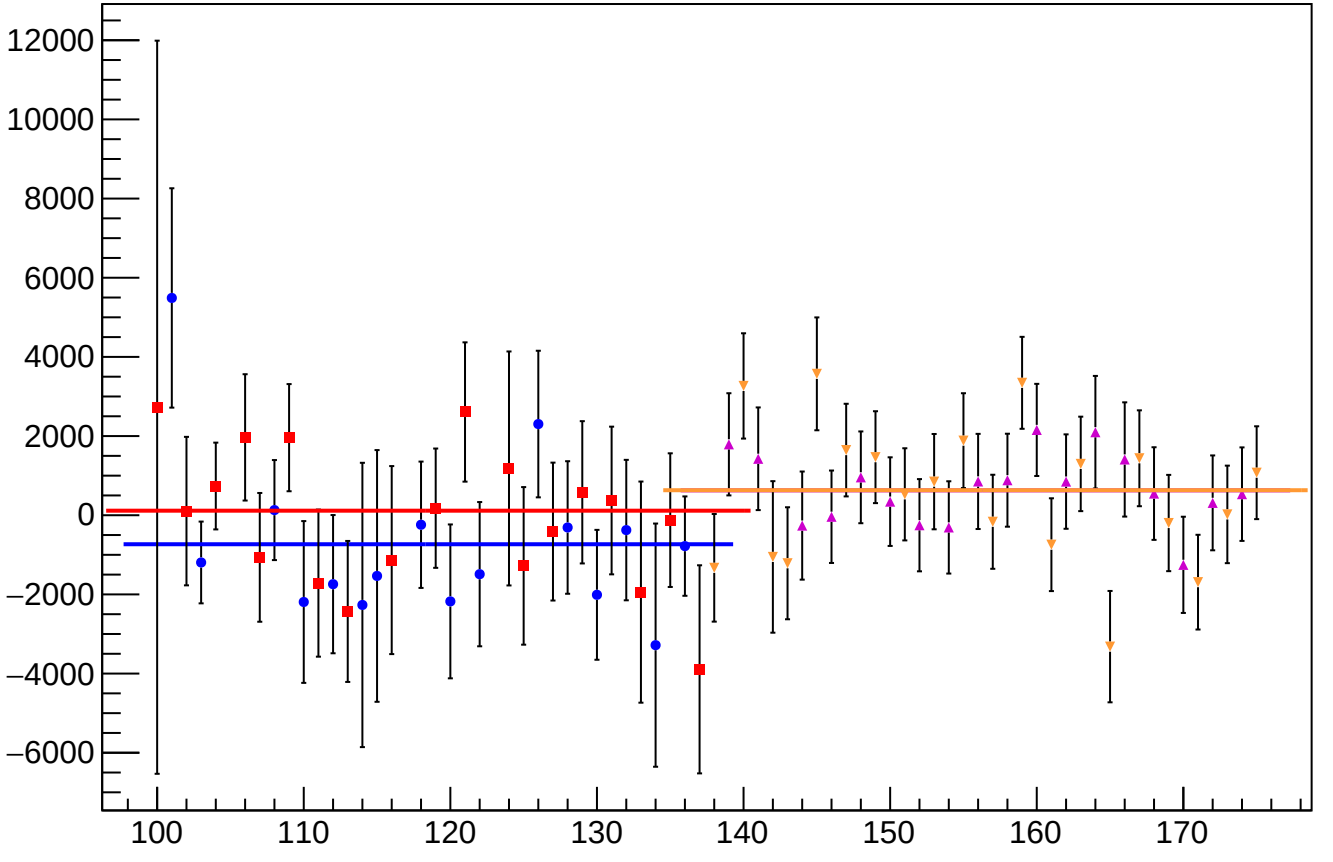
Left In: 0.000+/-0.000 χ^2/NDF:2478026.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 3762252.9/35

All: 0.000+/-0.000 χ^2/NDF: 8769366.9/72

- sign 0.000+/-0.000 χ^2/NDF: 4996256.9/36

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 631.998+/-279.552 χ^2/NDF:35.7/19

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

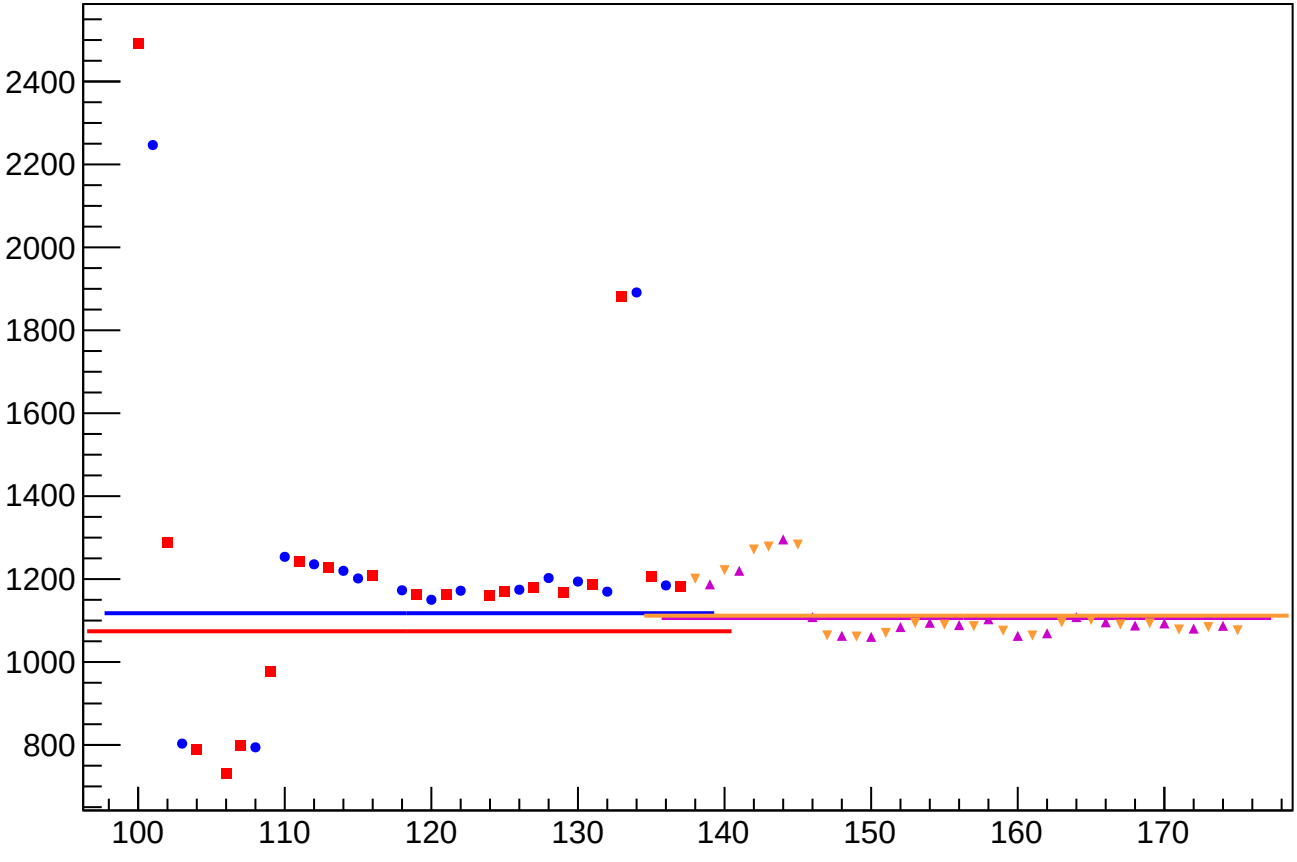
Left In: 627.801+/-287.088 χ^2/NDF:9.0/17

+ sign 223.059+/-233.950 χ^2/NDF: 54.5/35

All: 340.727+/-165.951 χ^2/NDF: 78.2/72

- sign 459.897+/-235.438 χ^2/NDF: 23.1/36

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1111.770+/-0.198 χ^2/NDF:115517.9/19

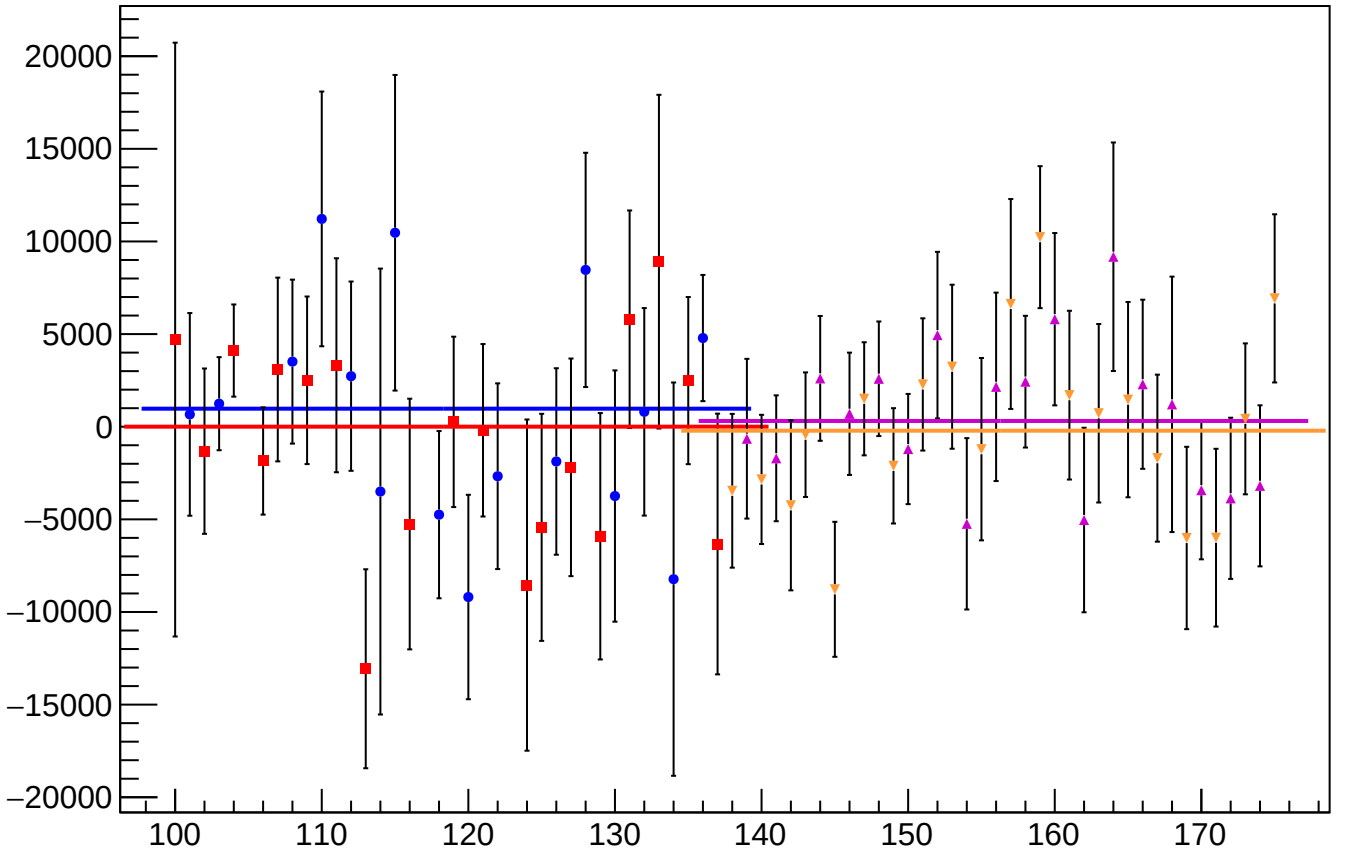
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1106.066+/-0.203 χ^2/NDF:76112.4/17

+ sign 1113.542+/-0.165 χ^2/NDF: 935621.2/35

All: 1104.552+/-0.117 χ^2/NDF: 1675355.5/72

- sign 1095.497+/-0.166 χ^2/NDF: 733806.8/36



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -214.212+/-911.998 χ^2/NDF:24.0/19

Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

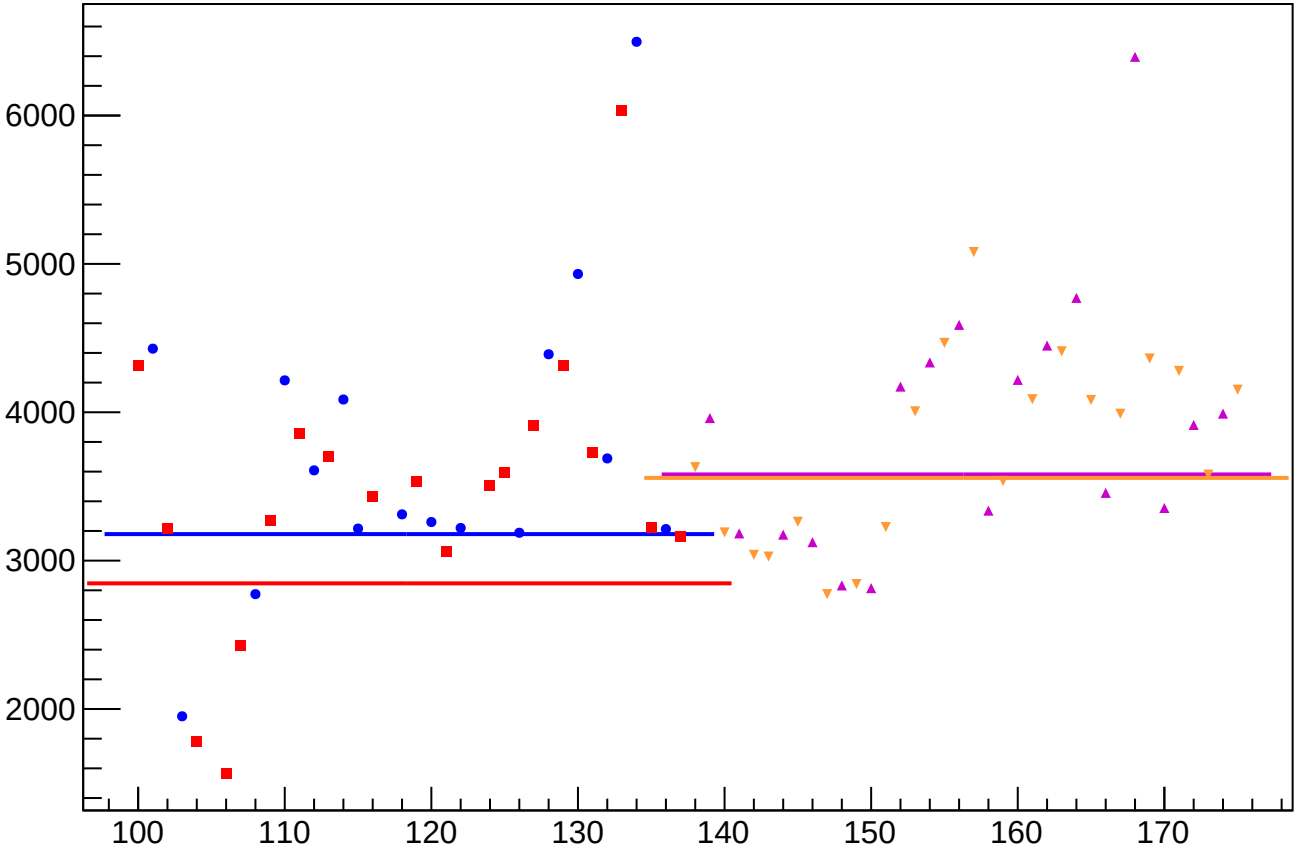
Left In: 309.688+/-948.601 χ^2/NDF:12.1/17

+ sign 205.993+/-733.170 χ^2/NDF: 38.4/35

All: 193.165+/-514.509 χ^2/NDF: 67.0/72

- sign 180.718+/-722.204 χ^2/NDF: 28.7/36

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3557.607+/-0.645 χ^2/NDF:860495.0/19

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

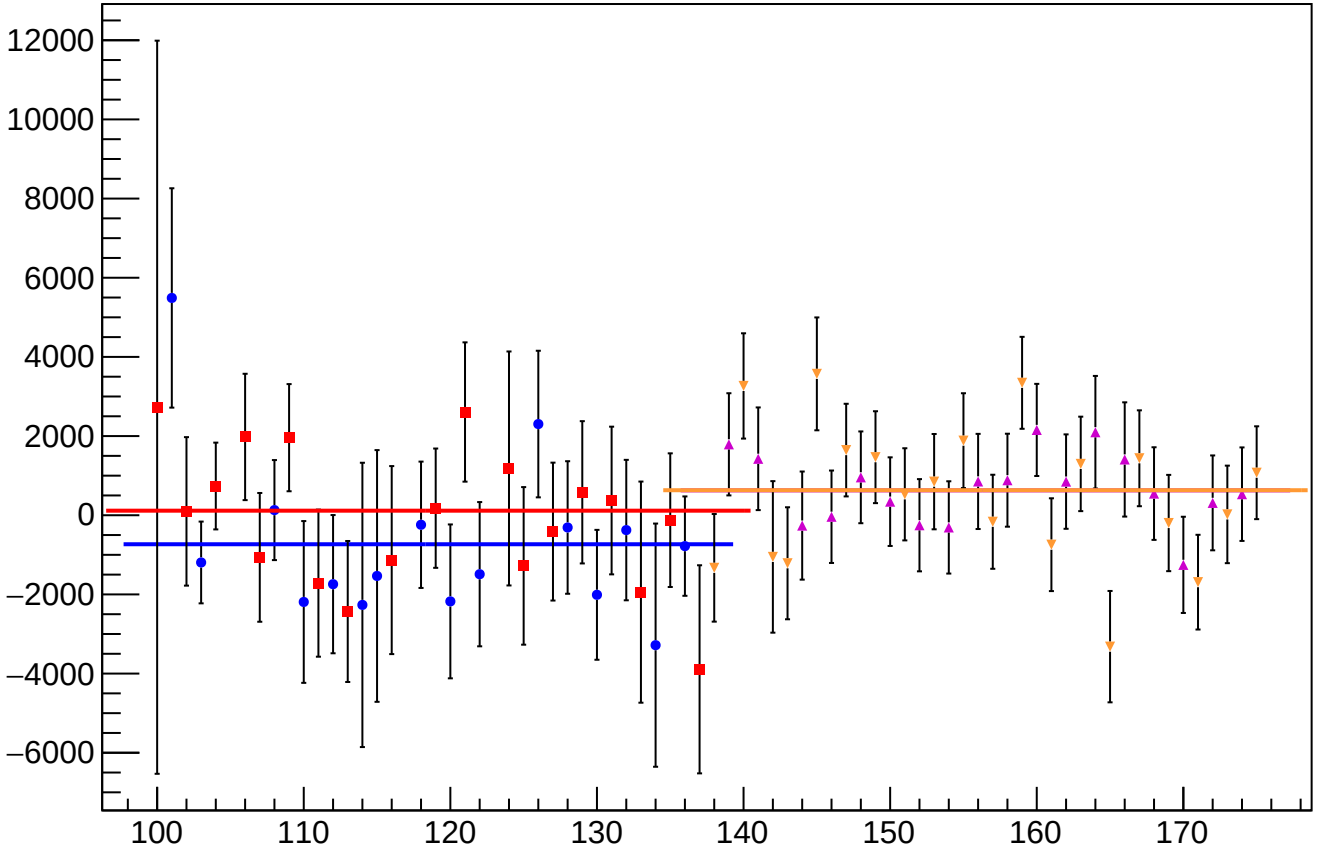
Left In: 3581.026+/-0.671 χ^2/NDF:1080547.4/17

+ sign 3423.641+/-0.518 χ^2/NDF: 2074176.4/35

All: 3346.917+/-0.364 χ^2/NDF: 5212418.0/72

- sign 3272.471+/-0.511 χ^2/NDF: 3095088.1/36

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 632.065+/-279.552 χ^2/NDF:35.7/19

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

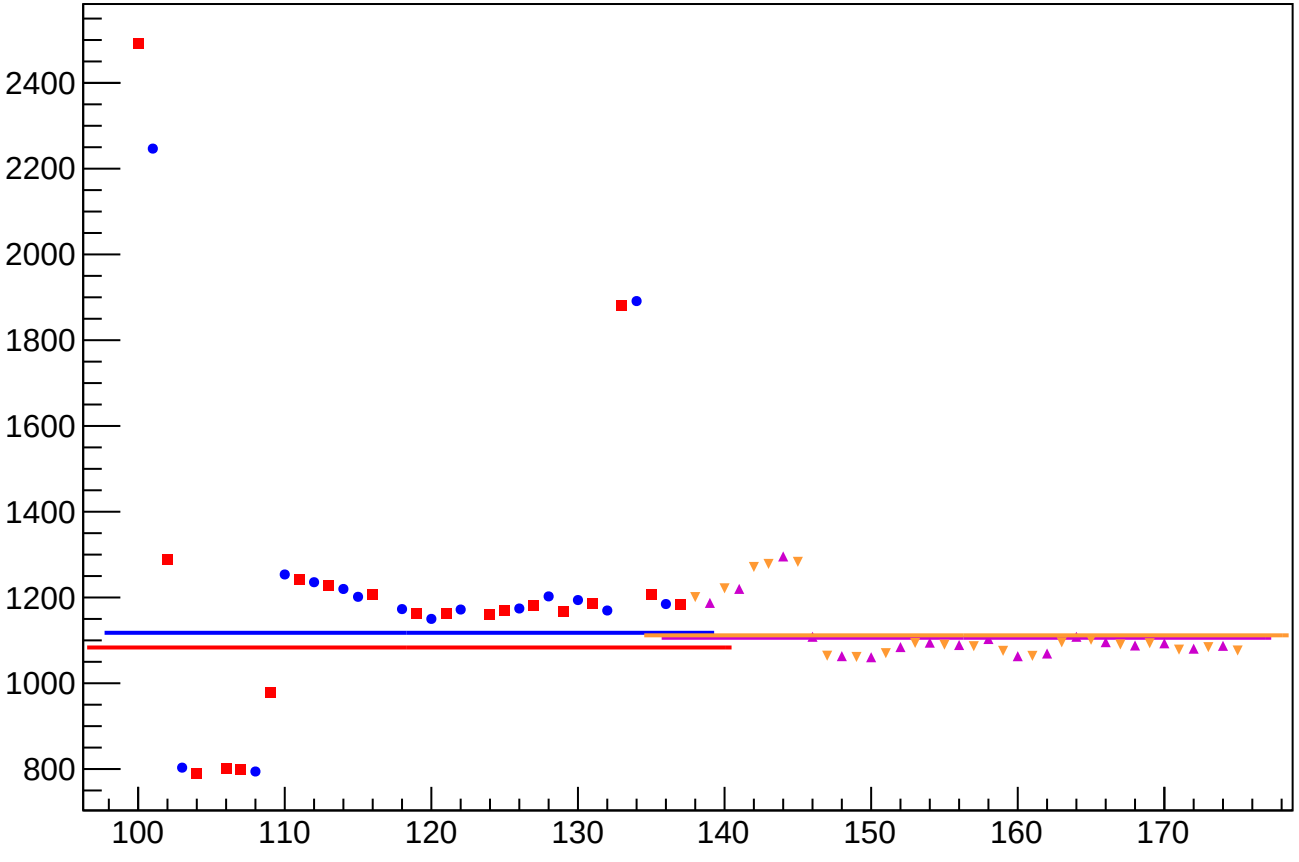
Left In: 627.745+/-287.088 χ^2/NDF:9.0/17

+ sign 223.126+/-233.950 χ^2/NDF: 54.5/35

All: 340.786+/-165.951 χ^2/NDF: 78.2/72

- sign 459.949+/-235.439 χ^2/NDF: 23.2/36

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1111.770+/-0.198 χ^2/NDF:115517.8/19

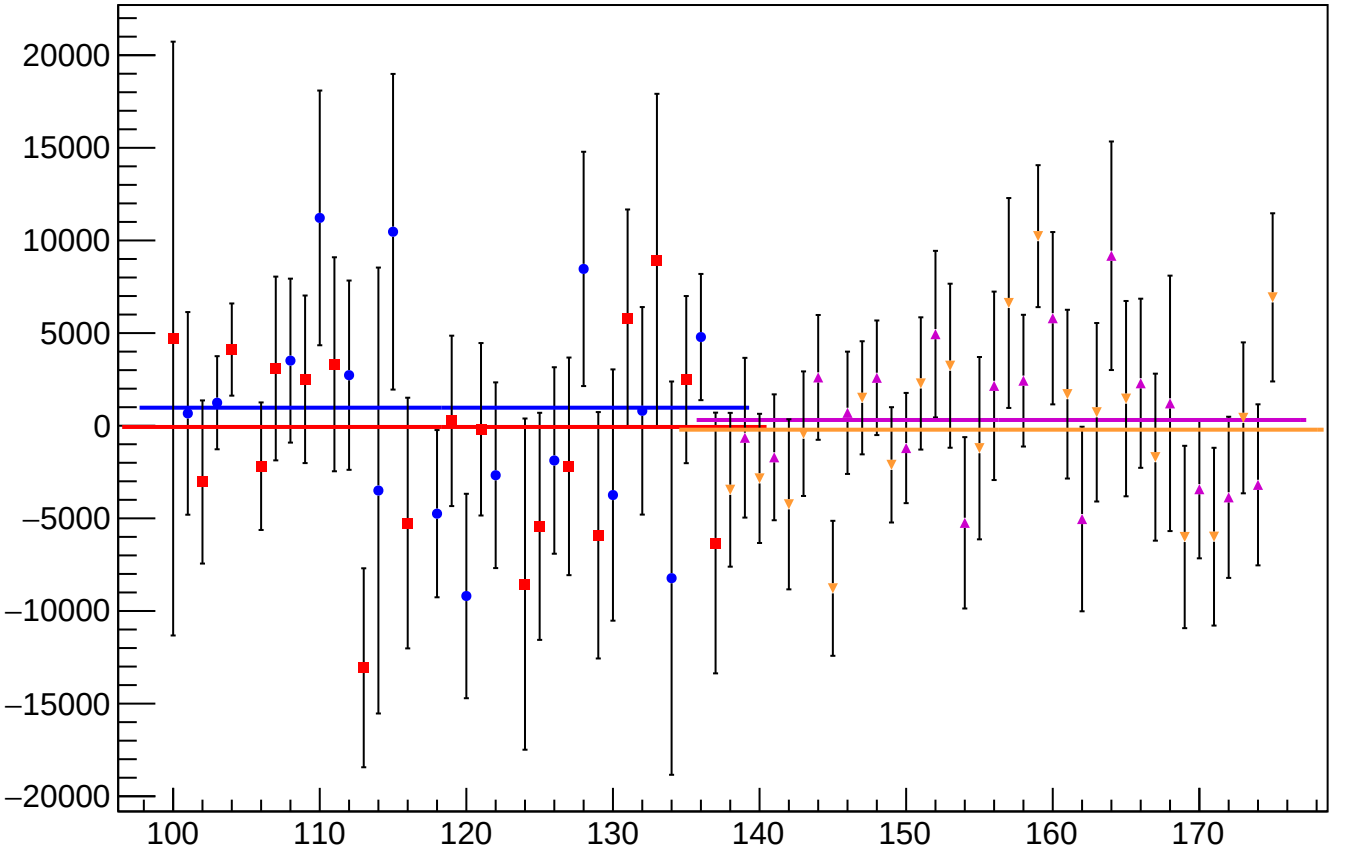
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1106.066+/-0.203 χ^2/NDF:76112.4/17

+ sign 1113.542+/-0.165 χ^2/NDF: 935617.8/35

All: 1106.130+/-0.117 χ^2/NDF: 1614870.6/72

- sign 1098.632+/-0.166 χ^2/NDF: 675214.3/36



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -214.212+/-911.997 χ^2/NDF:24.0/19

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

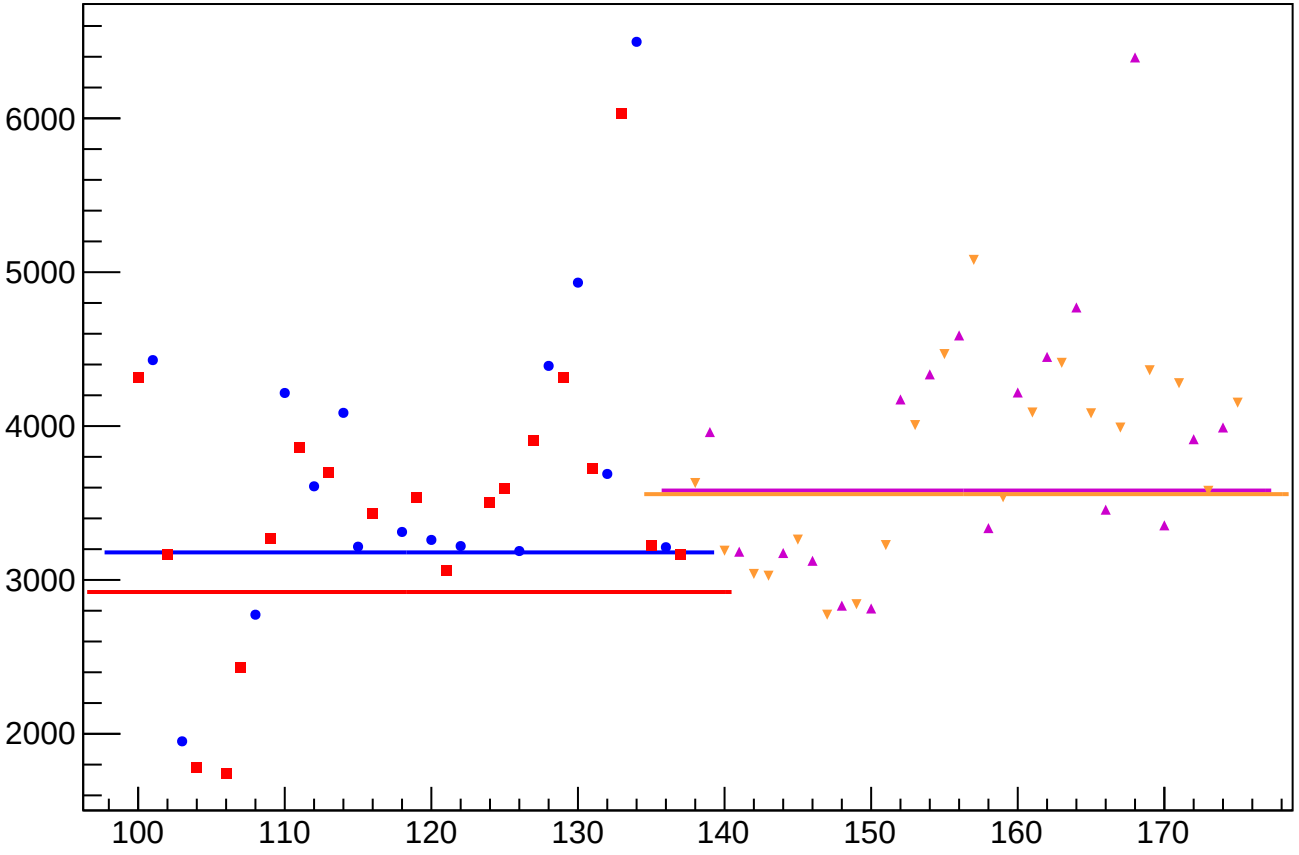
Left In: 309.678+/-948.601 χ^2/NDF:12.1/17

+ sign 205.794+/-733.180 χ^2/NDF: 38.4/35

All: 180.333+/-516.818 χ^2/NDF: 67.4/72

- sign 155.187+/-728.623 χ^2/NDF: 29.1/36

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3557.603+/-0.645 χ^2/NDF:860498.5/19

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

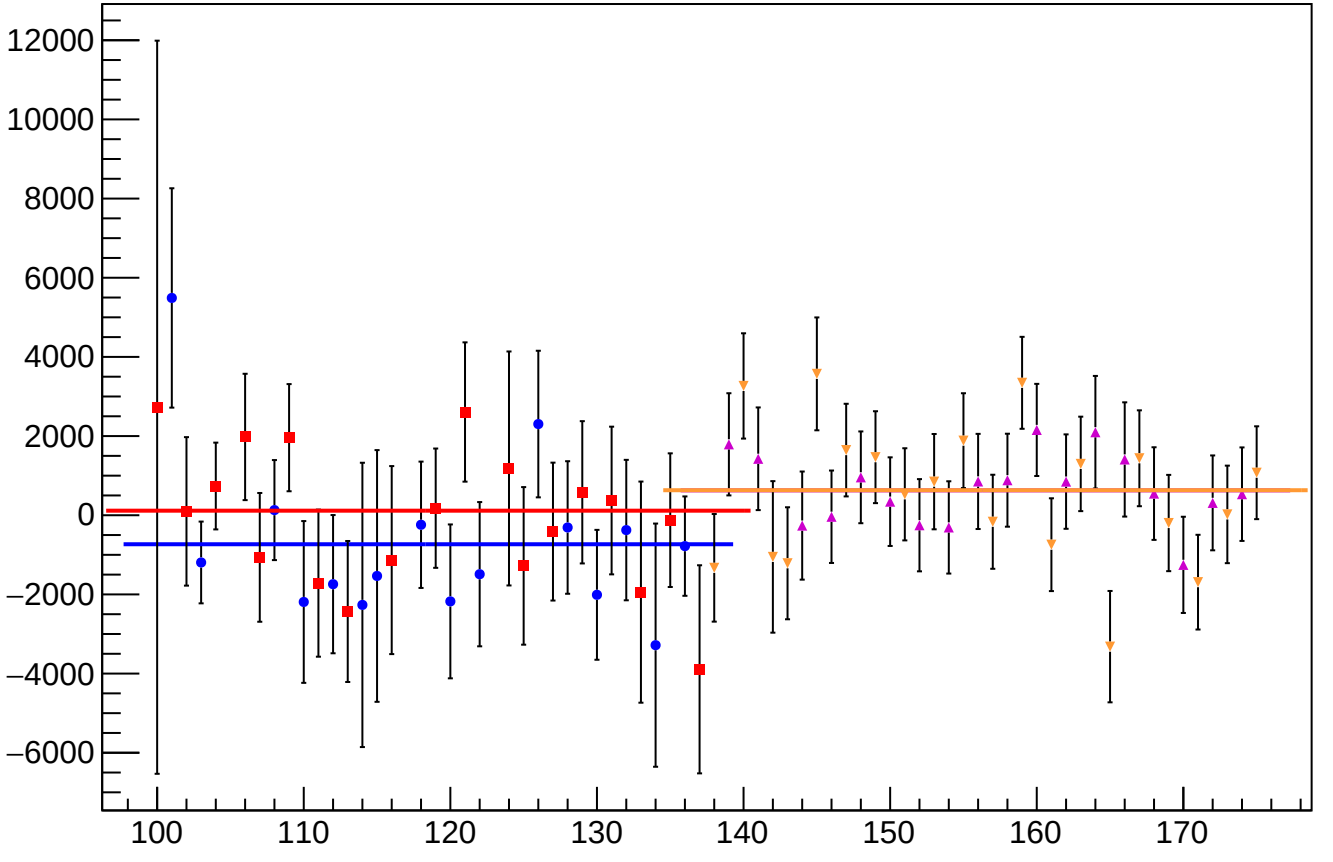
Left In: 3581.024+/-0.671 χ^2/NDF:1080553.0/17

+ sign 3423.711+/-0.518 χ^2/NDF: 2073612.3/35

All: 3366.835+/-0.365 χ^2/NDF: 4887201.8/72

- sign 3310.665+/-0.515 χ^2/NDF: 2789667.9/36

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 632.065+/-279.552 χ^2/NDF:35.7/19

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

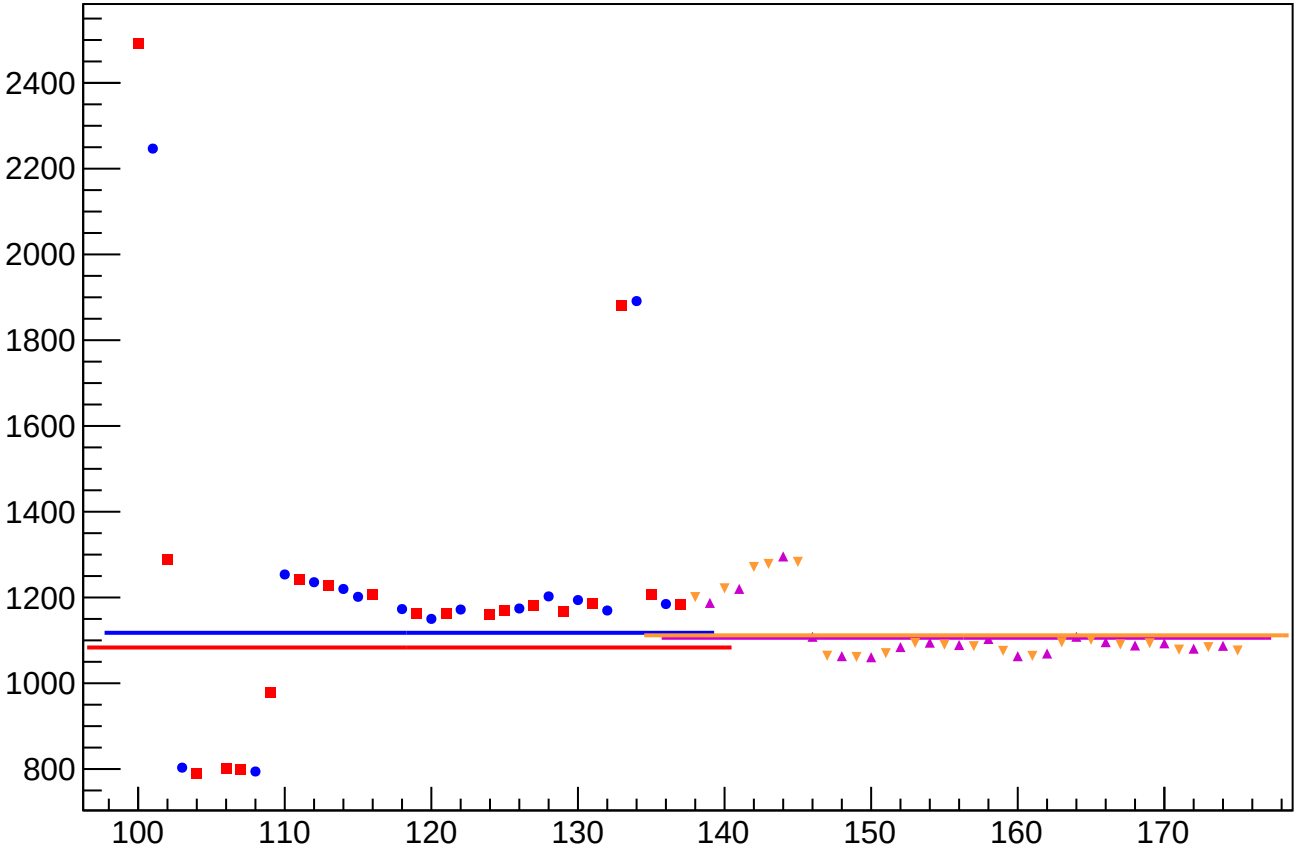
Left In: 627.745+/-287.088 χ^2/NDF:9.0/17

+ sign 223.126+/-233.950 χ^2/NDF: 54.5/35

All: 340.786+/-165.951 χ^2/NDF: 78.2/72

- sign 459.949+/-235.439 χ^2/NDF: 23.2/36

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1111.770+/-0.198 χ^2/NDF:115517.8/19

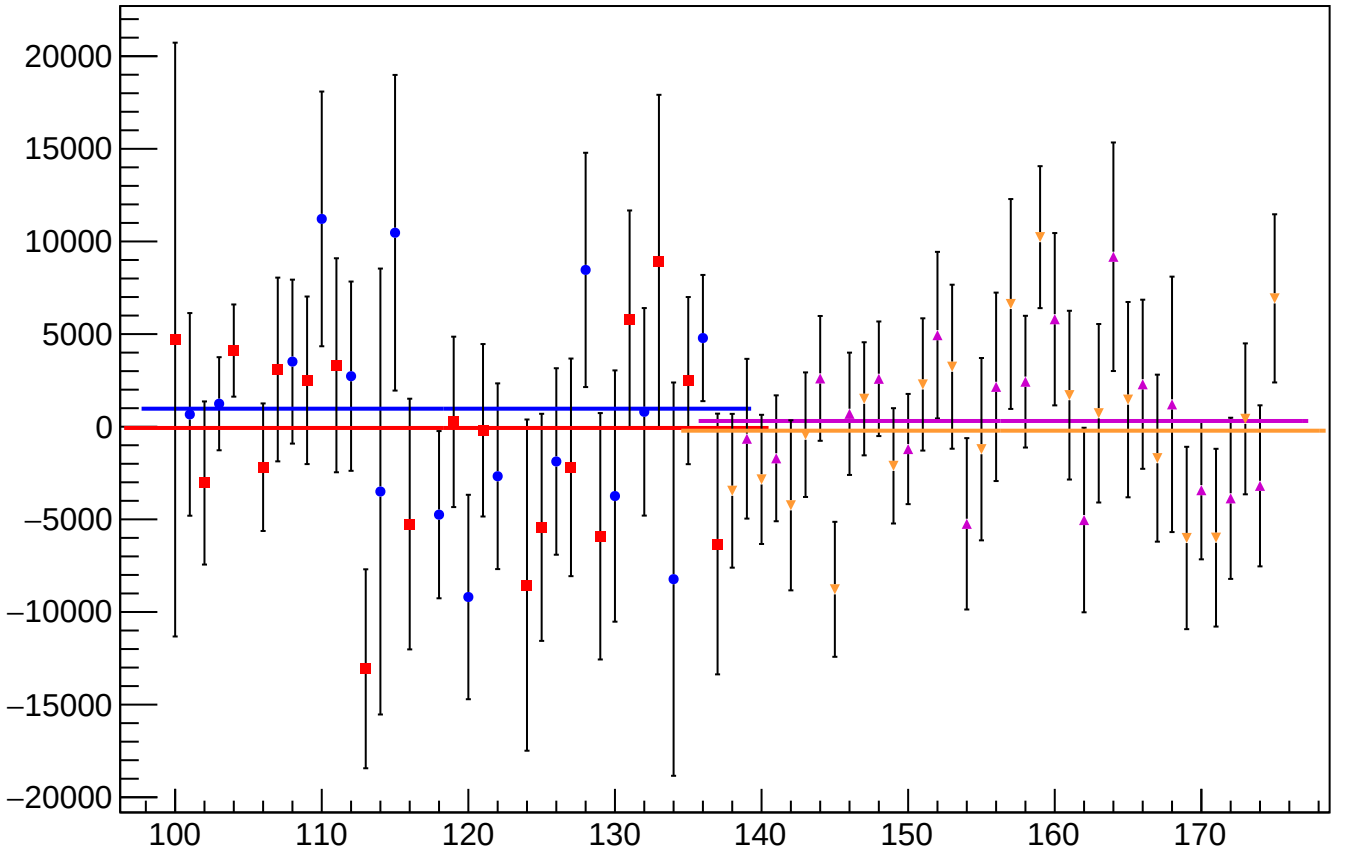
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1106.066+/-0.203 χ^2/NDF:76112.4/17

+ sign 1113.542+/-0.165 χ^2/NDF: 935617.8/35

All: 1106.130+/-0.117 χ^2/NDF: 1614870.6/72

- sign 1098.632+/-0.166 χ^2/NDF: 675214.3/36



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -214.212+/-911.997 χ^2/NDF:24.0/19

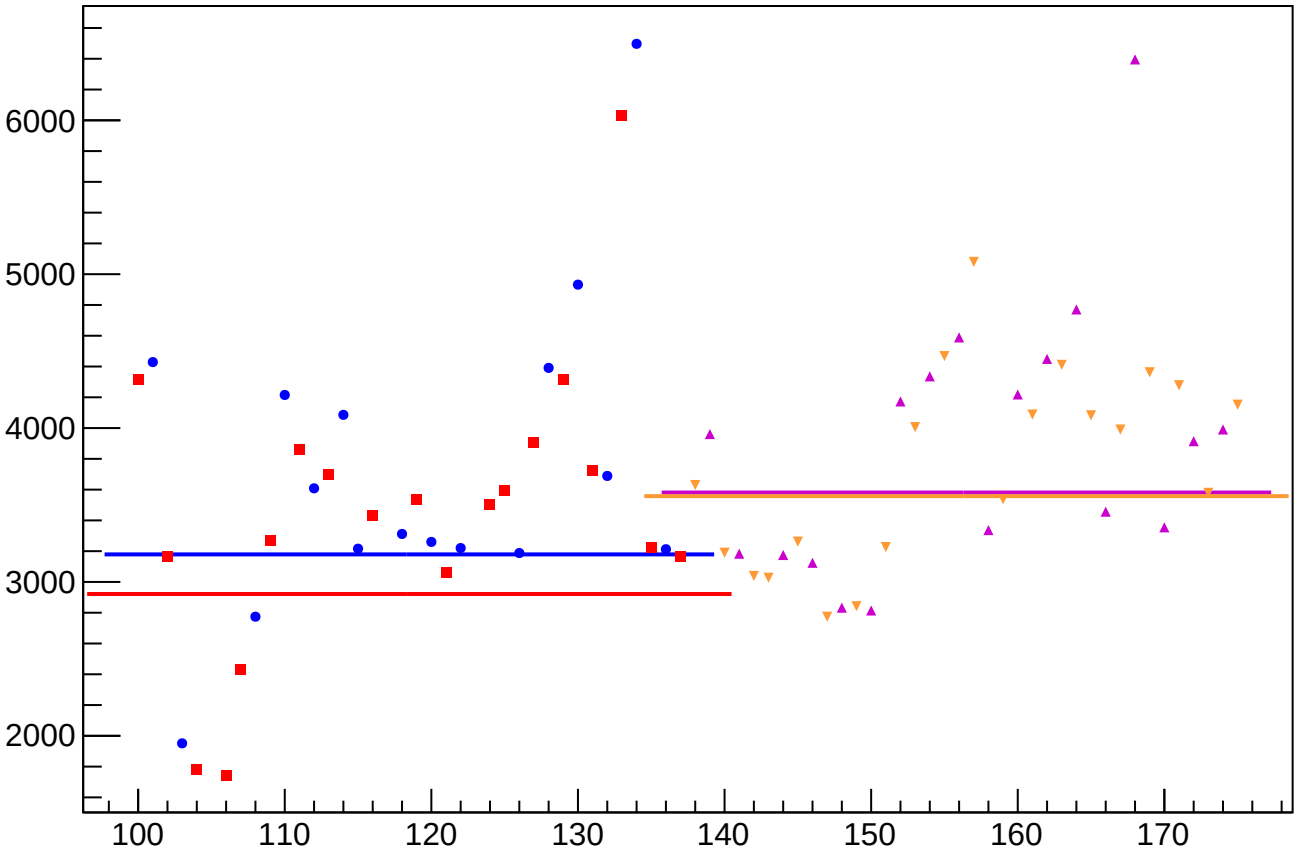
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 309.678+/-948.601 χ^2/NDF:12.1/17

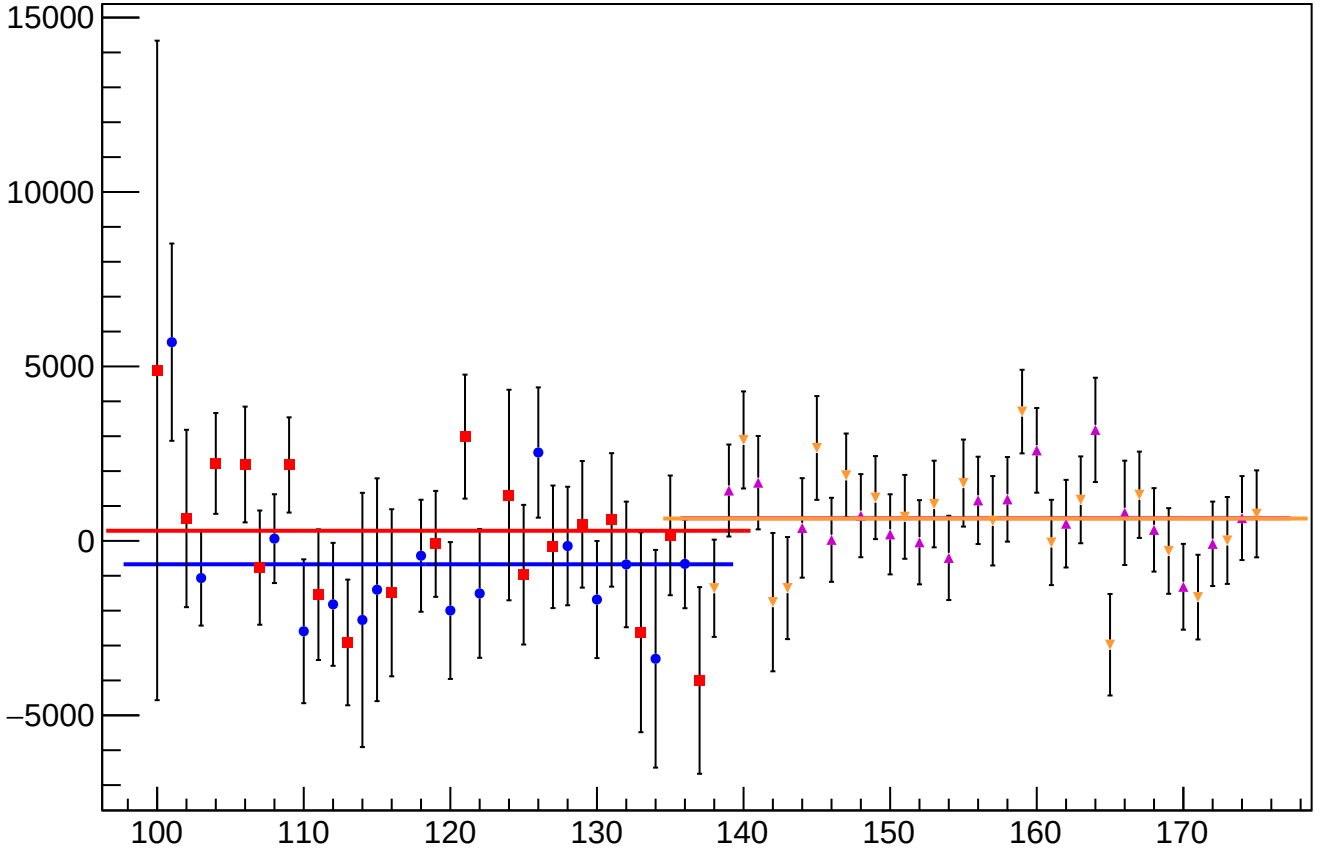
+ sign 205.794+/-733.180 χ^2/NDF: 38.4/35

All: 180.333+/-516.818 χ^2/NDF: 67.4/72

- sign 155.187+/-728.623 χ^2/NDF: 29.1/36


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3557.603+/-0.645 χ²/NDF:860498.5/19
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3581.024+/-0.671 χ²/NDF:1080553.0/17
+ sign 3423.711+/-0.518 χ²/NDF: 2073612.3/35
All: 3366.835+/-0.365 χ²/NDF: 4887201.8/72
- sign 3310.665+/-0.515 χ²/NDF: 2789667.9/36

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 640.887+/-289.035 χ^2/NDF:29.8/19

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

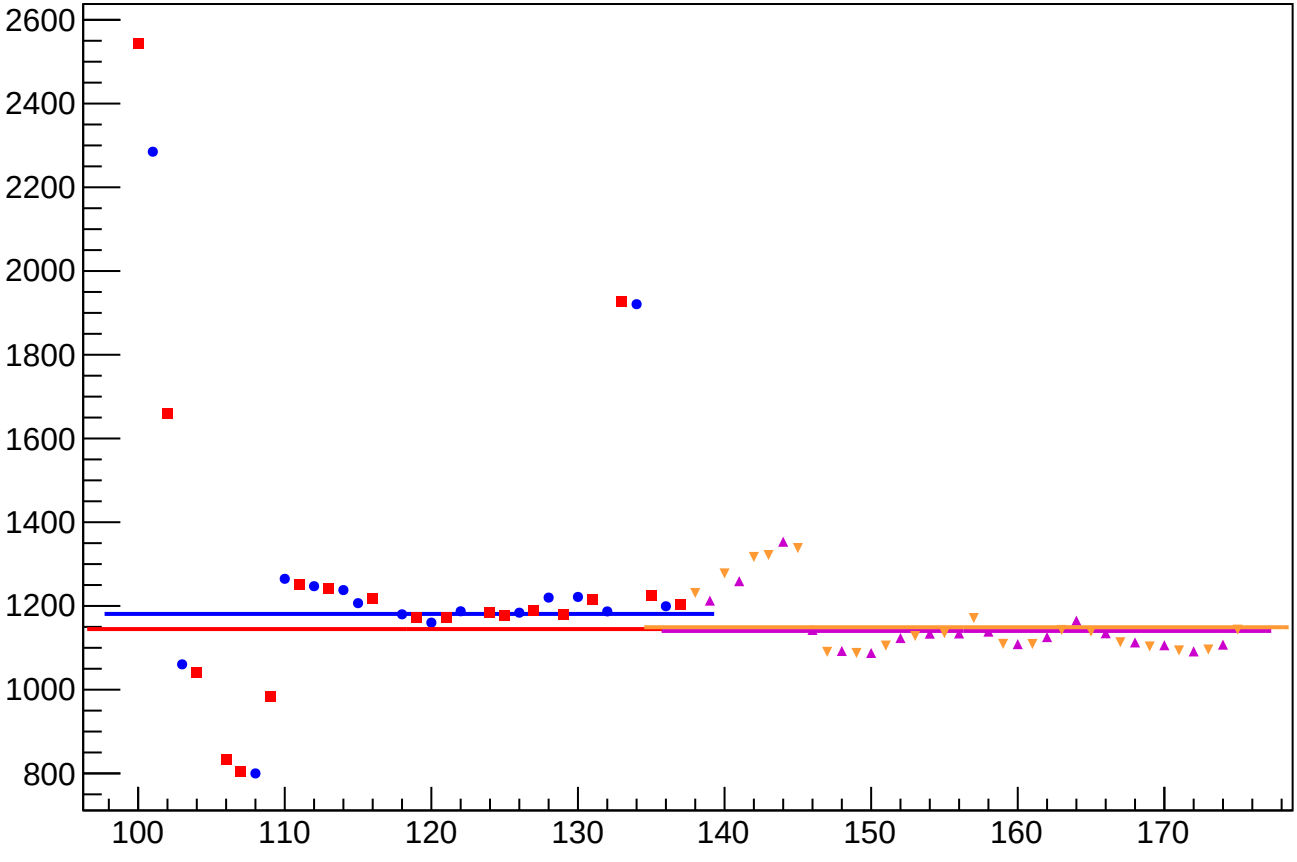
Left In: 649.323+/-296.044 χ^2/NDF:11.5/17

\+ sign 255.976+/-242.954 χ^2/NDF: 47.7/35

All: 394.757+/-172.388 χ^2/NDF: 77.2/72

\- sign 535.472+/-244.640 χ^2/NDF: 28.9/36

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1149.118+/-0.204 χ^2/NDF:129498.4/19

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

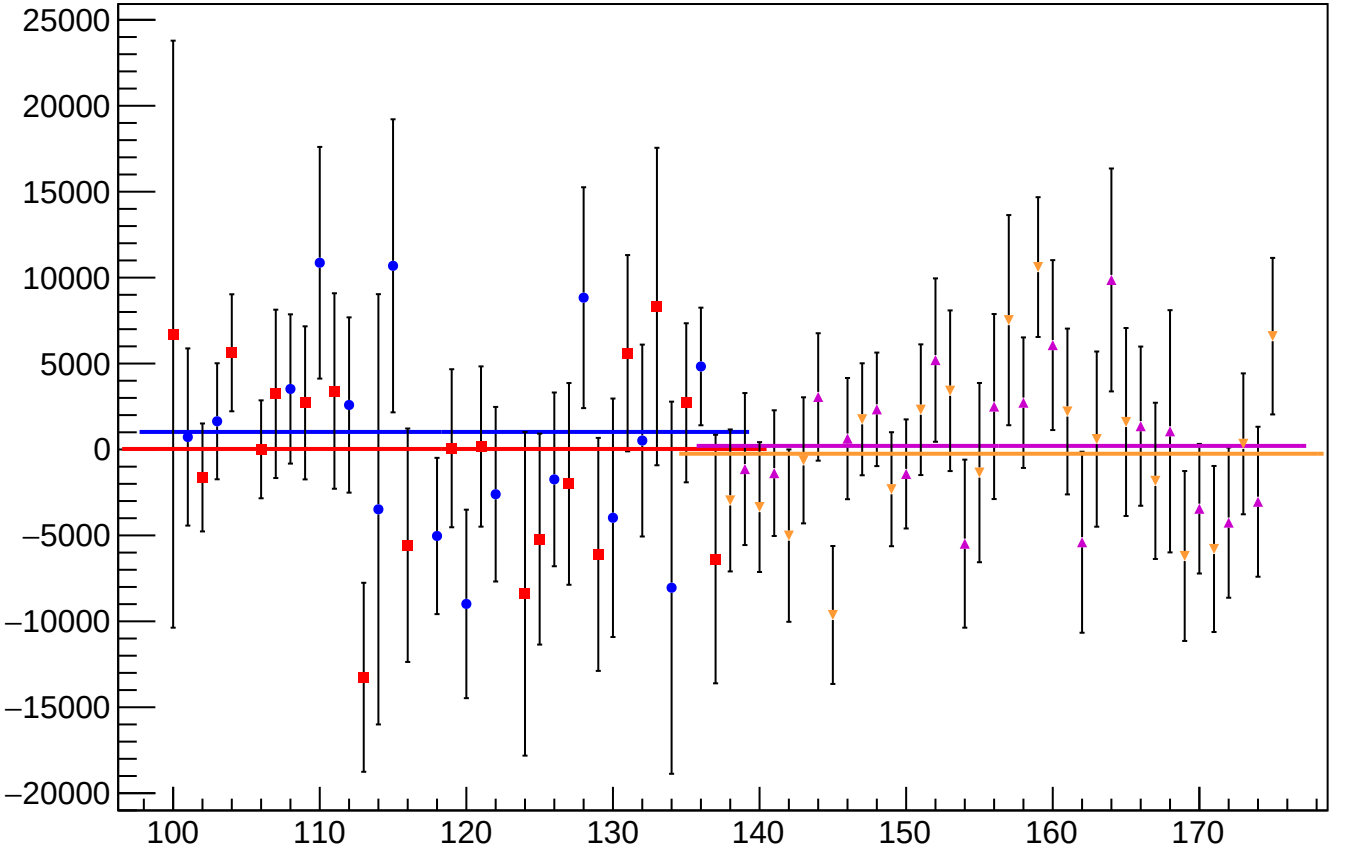
Left In: 1140.339+/-0.209 χ^2/NDF:83889.2/17

+ sign 1158.461+/-0.172 χ^2/NDF: 758497.7/35

All: 1150.160+/-0.122 χ^2/NDF: 1344960.6/72

- sign 1141.747+/-0.173 χ^2/NDF: 581762.4/36

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -248.108+/-960.631 χ^2/NDF:23.7/19

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

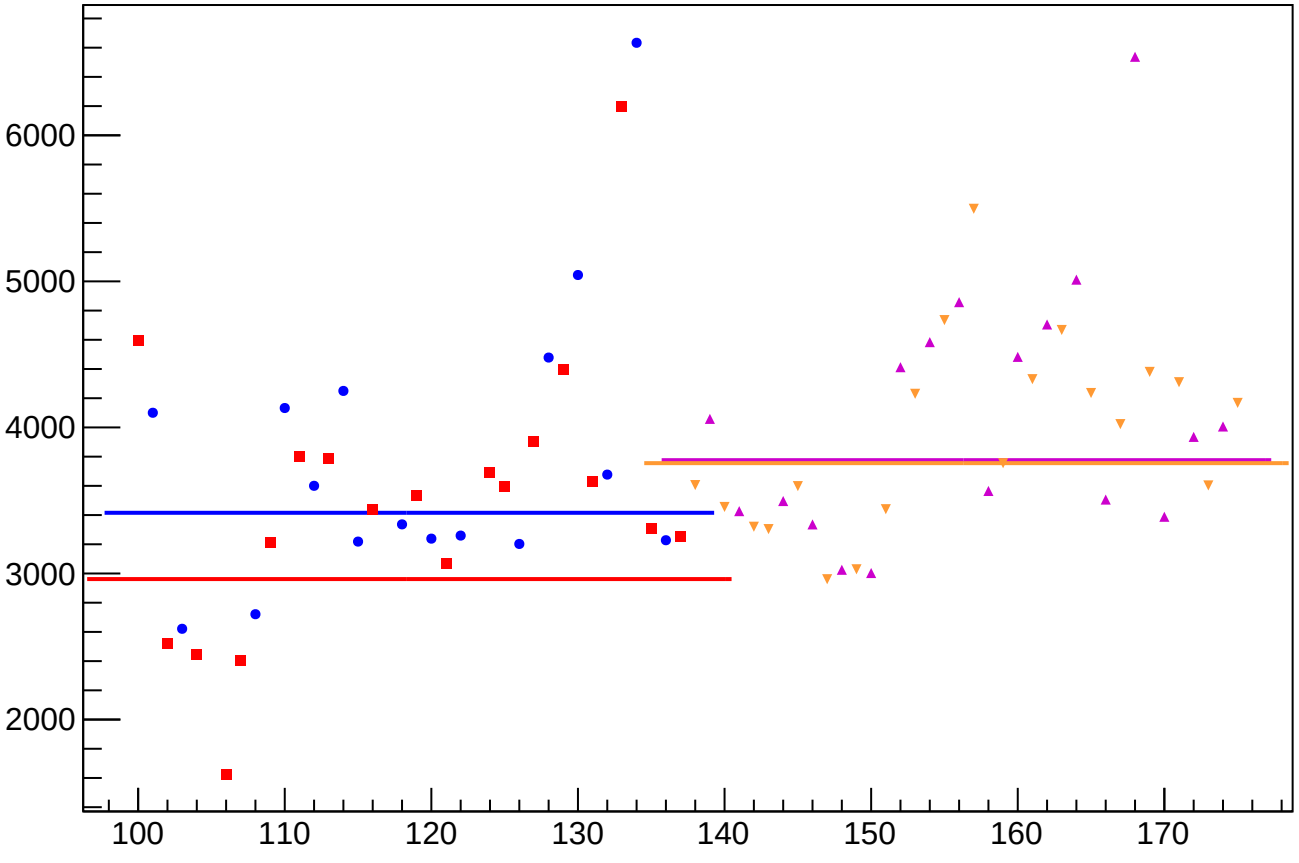
Left In: 208.414+/-998.732 χ^2/NDF:12.0/17

\+ sign 199.058+/-773.094 χ^2/NDF: 38.2/35

All: 163.563+/-537.773 χ^2/NDF: 66.3/72

\- sign 130.284+/-748.552 χ^2/NDF: 28.2/36

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3755.430+/-0.679 χ^2/NDF:738089.0/19

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

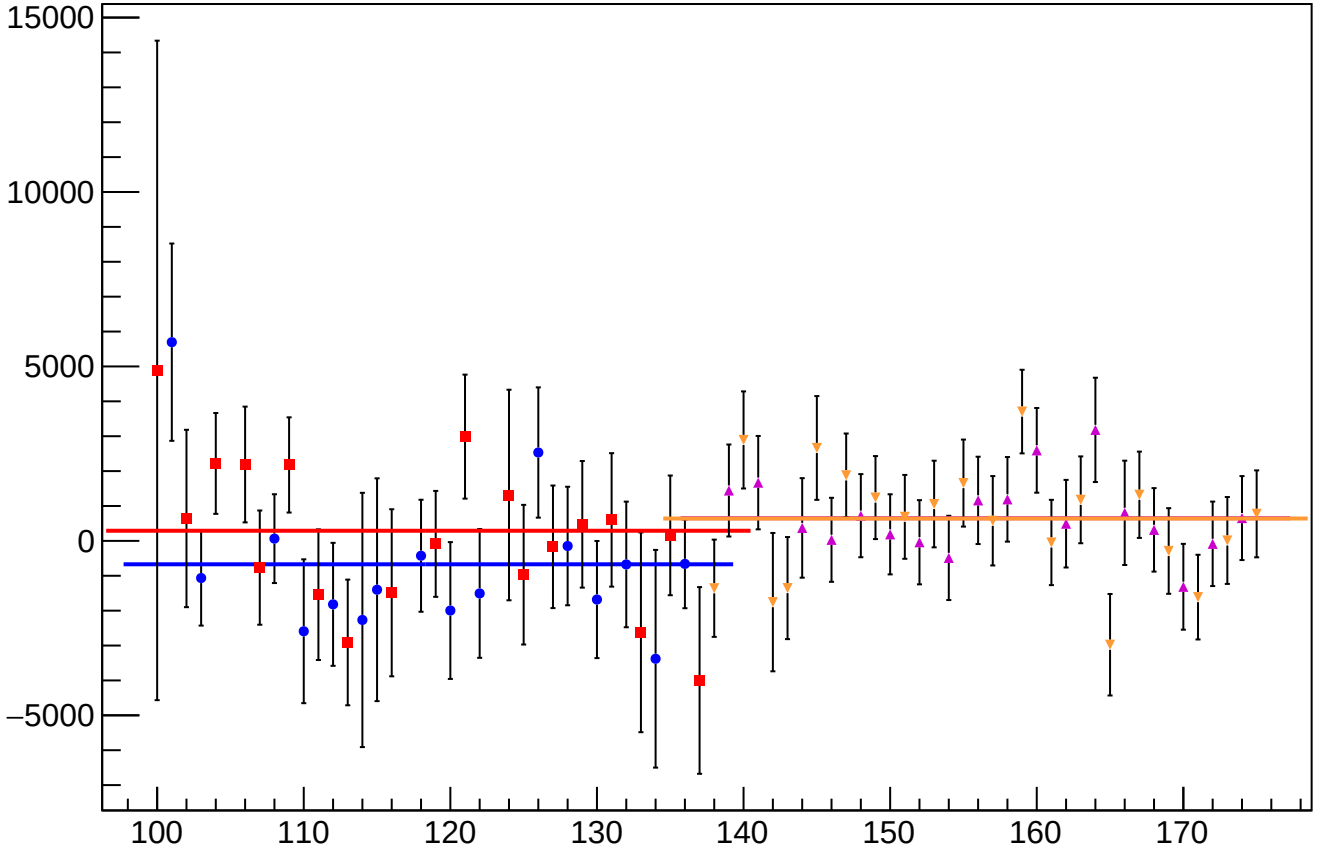
Left In: 3775.826+/-0.706 χ^2/NDF:987220.5/17

\+ sign 3635.694+/-0.547 χ^2/NDF: 1418620.7/35

All: 3523.896+/-0.380 χ^2/NDF: 4238410.9/72

\- sign 3419.083+/-0.529 χ^2/NDF: 2738753.2/36

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 640.892+/-289.035 χ^2/NDF:29.8/19

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

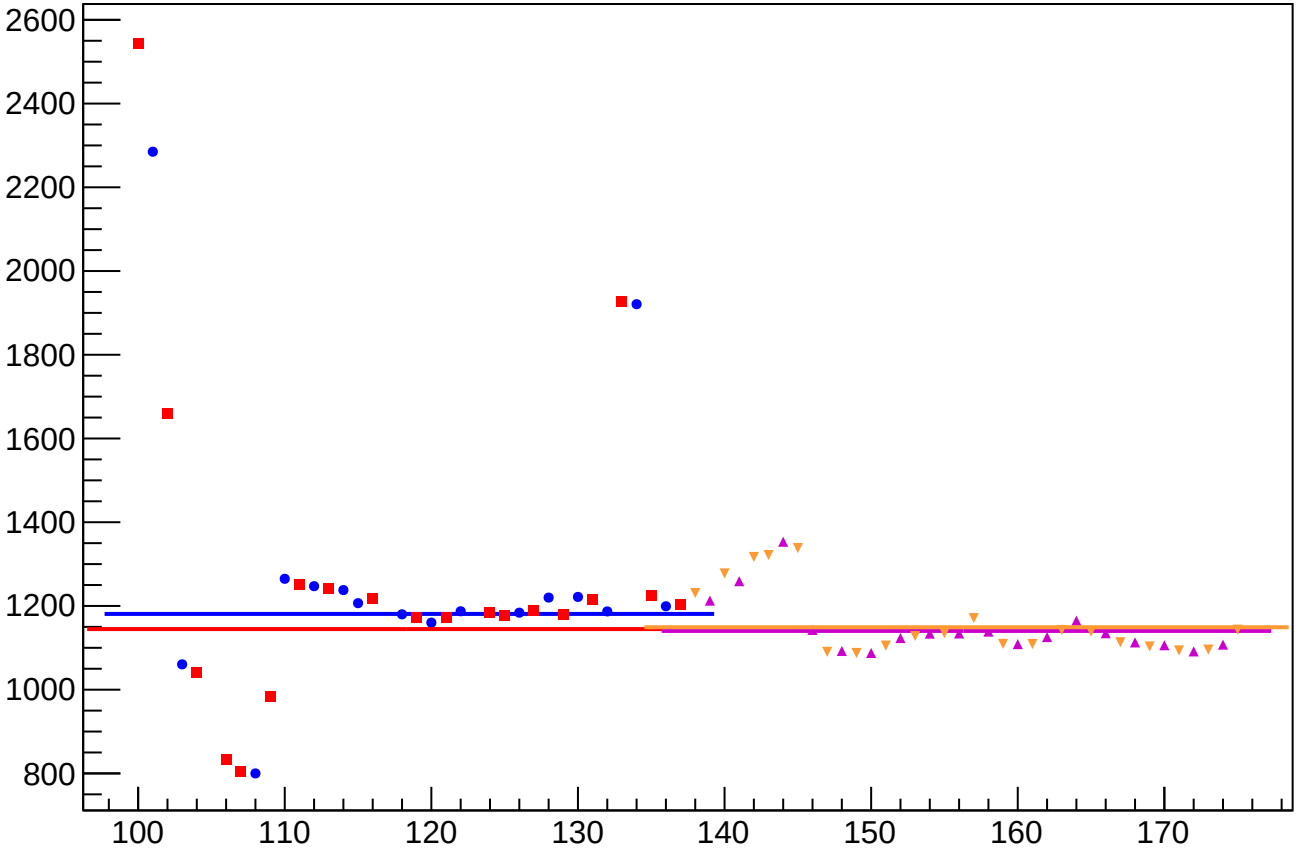
Left In: 649.323+/-296.045 χ^2/NDF:11.5/17

+ sign 255.978+/-242.954 χ^2/NDF: 47.7/35

All: 394.759+/-172.388 χ^2/NDF: 77.2/72

- sign 535.474+/-244.641 χ^2/NDF: 28.9/36

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1149.119+/-0.204 χ^2/NDF:129498.5/19

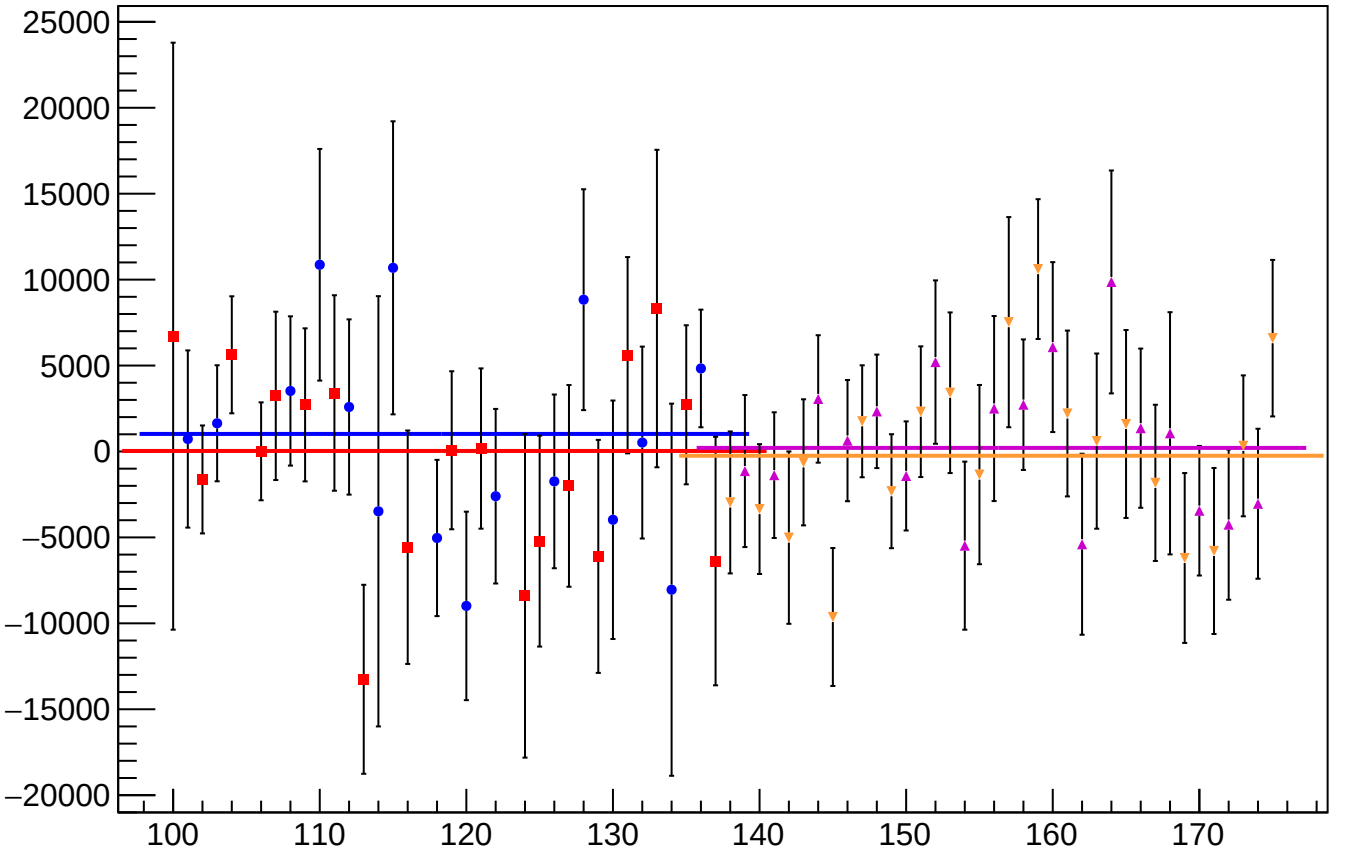
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1140.340+/-0.209 χ^2/NDF:83888.9/17

+ sign 1158.461+/-0.172 χ^2/NDF: 758497.7/35

All: 1150.161+/-0.122 χ^2/NDF: 1344959.7/72

- sign 1141.748+/-0.173 χ^2/NDF: 581761.7/36



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -248.108+/-960.632 χ^2/NDF:23.7/19

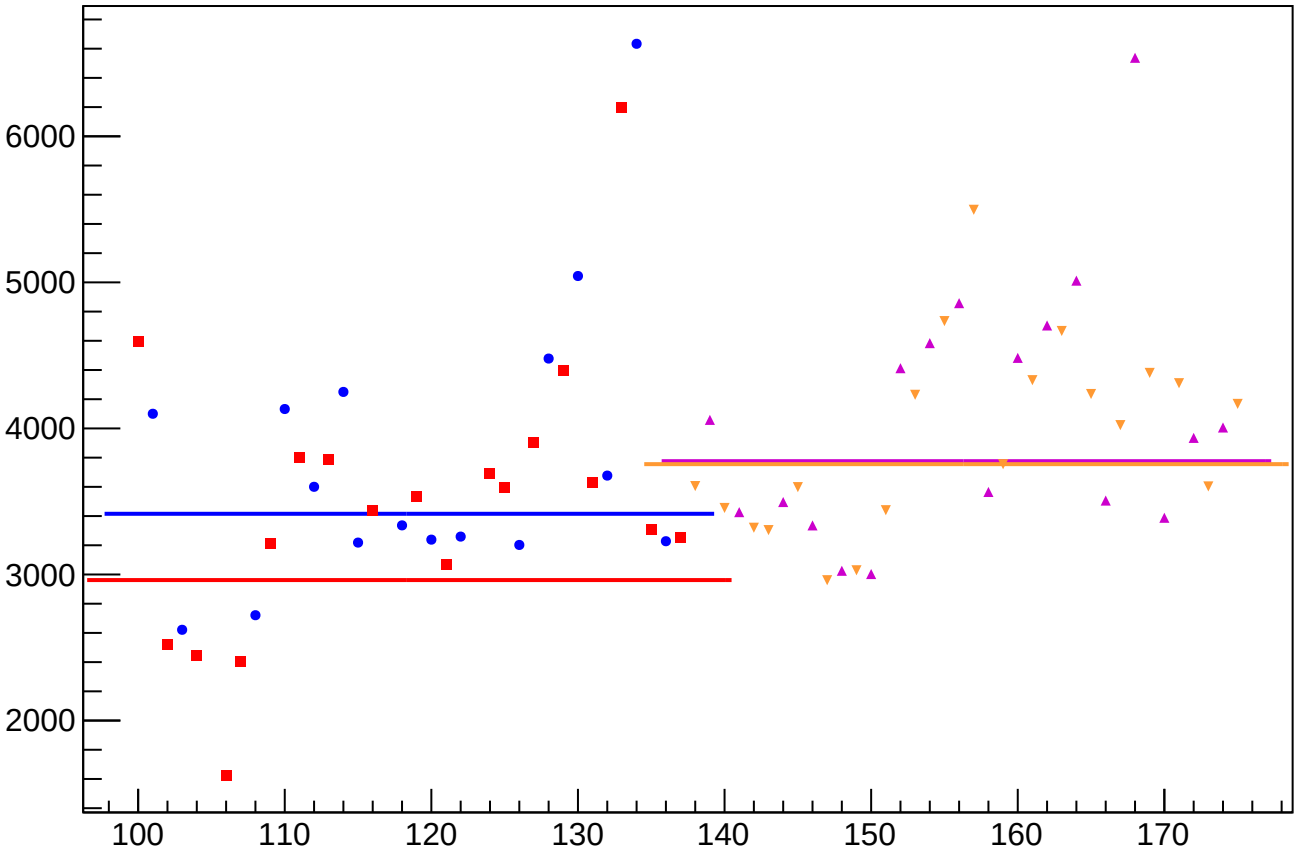
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 208.411+/-998.733 χ^2/NDF:12.0/17

\+ sign 199.054+/-773.094 χ^2/NDF: 38.2/35

All: 163.561+/-537.773 χ^2/NDF: 66.3/72

\- sign 130.285+/-748.552 χ^2/NDF: 28.2/36



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3755.435+/-0.679 χ^2/NDF:738088.1/19

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

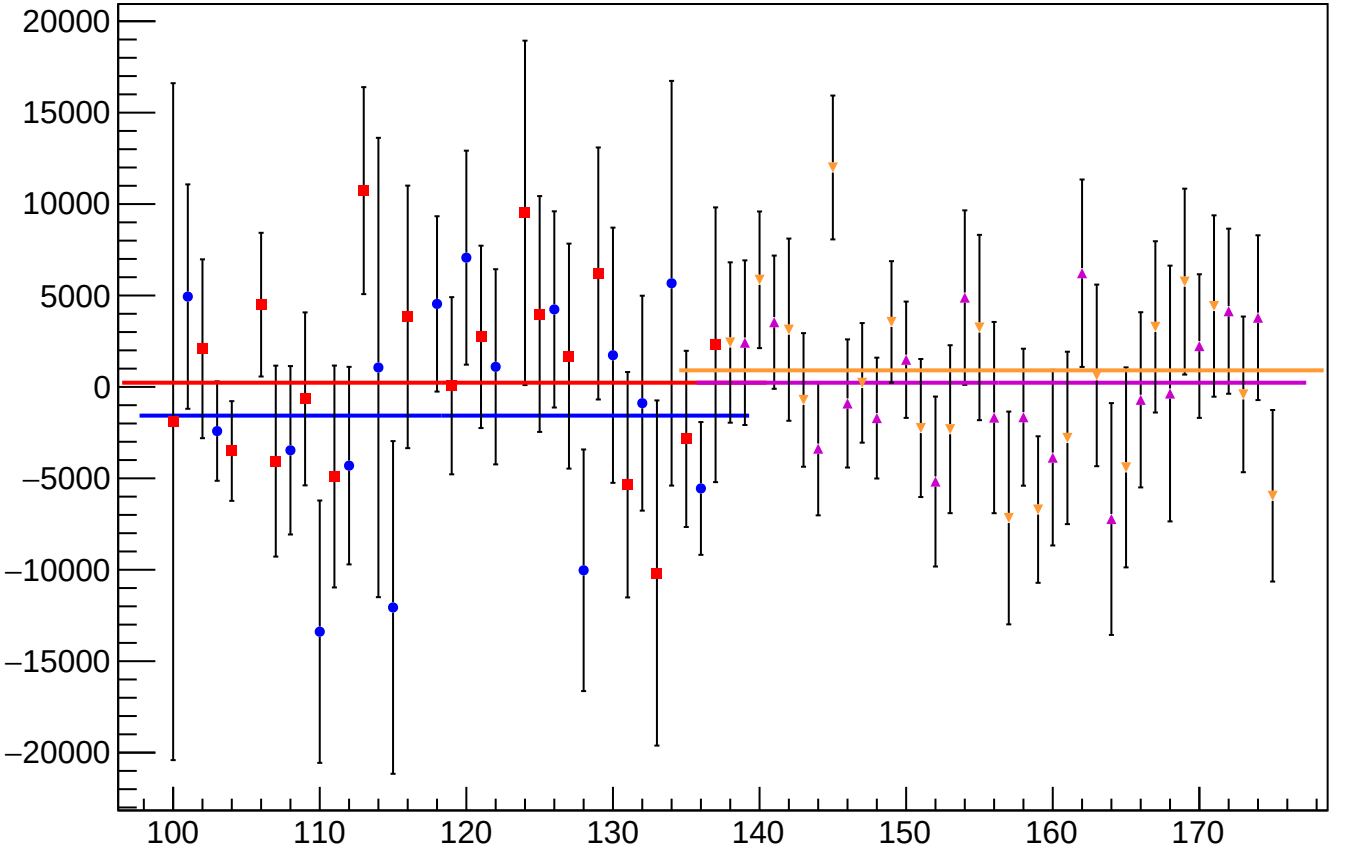
Left In: 3775.831+/-0.706 χ^2/NDF:987221.0/17

+ sign 3635.696+/-0.547 χ^2/NDF: 1418619.4/35

All: 3523.896+/-0.380 χ^2/NDF: 4238425.7/72

- sign 3419.082+/-0.529 χ^2/NDF: 2738767.4/36

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 906.194+/-962.122 χ^2/NDF:23.3/19

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

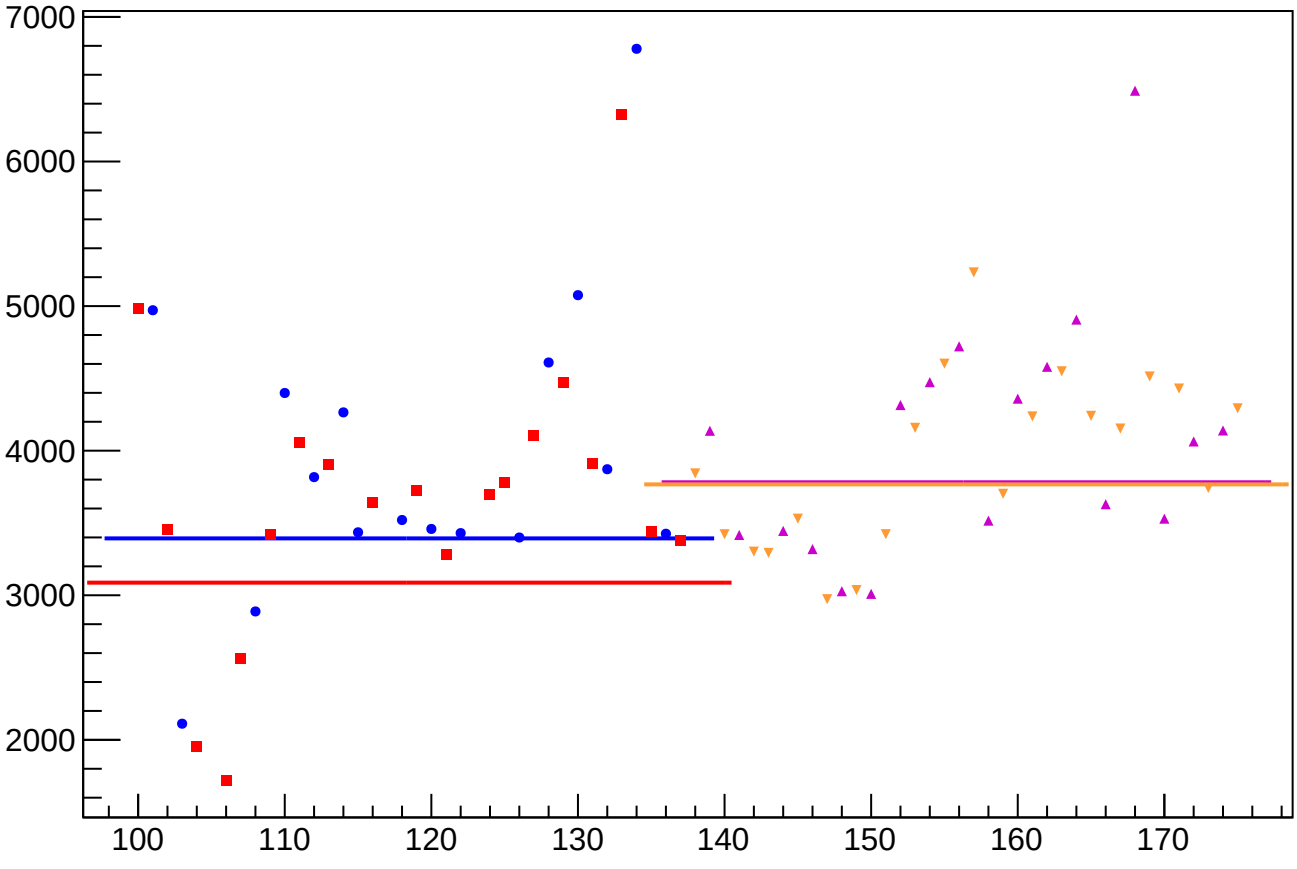
Left In: 230.062+/-998.407 χ^2/NDF:10.5/17

+ sign 41.126+/-776.057 χ^2/NDF: 40.1/35

All: 136.088+/-547.937 χ^2/NDF: 63.8/72

- sign 230.486+/-773.748 χ^2/NDF: 23.7/36

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3766.950+/-0.680 χ^2/NDF:705824.4/19

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

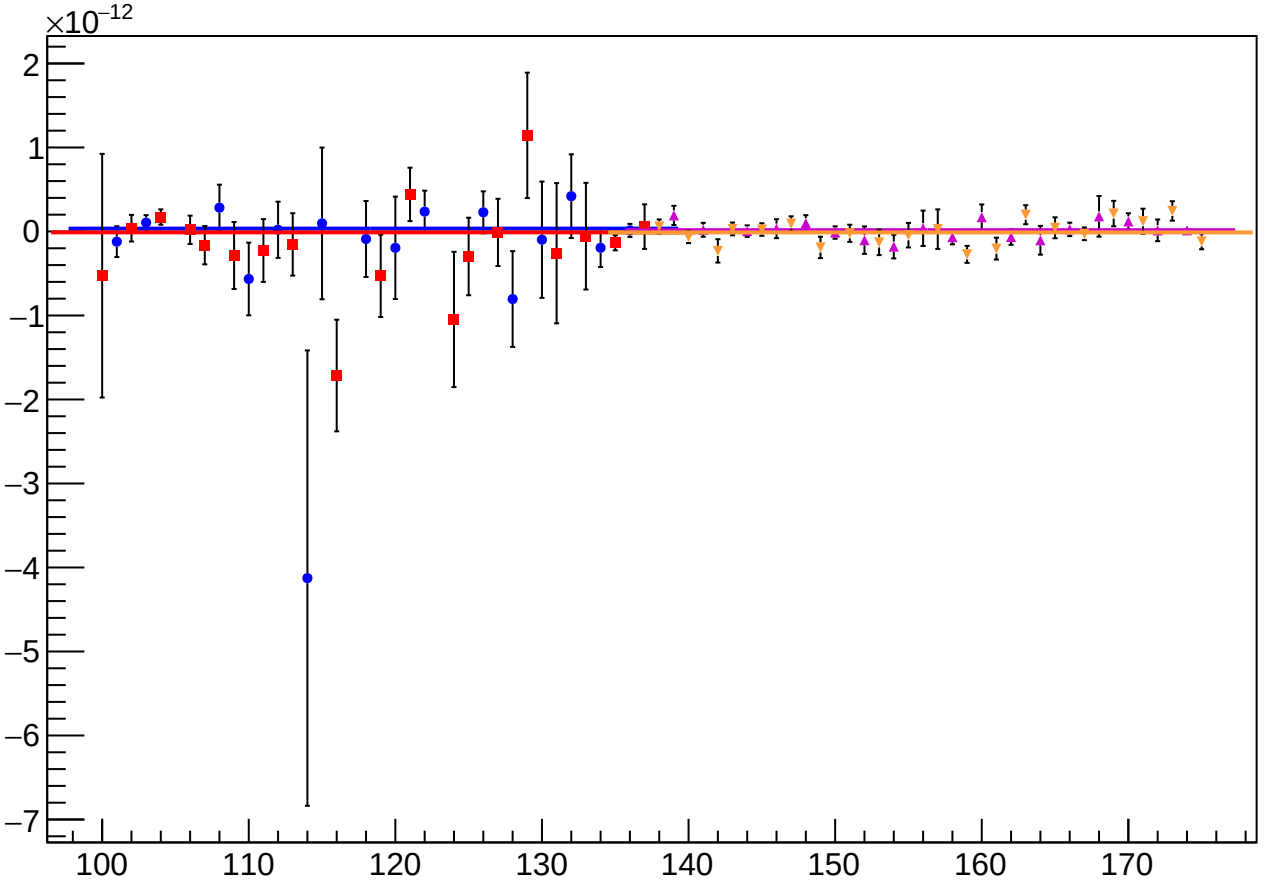
Left In: 3781.511+/-0.706 χ^2/NDF:920464.4/17

+ sign 3636.427+/-0.549 χ^2/NDF: 1859885.5/35

All: 3566.839+/-0.386 χ^2/NDF: 4534606.7/72

- sign 3498.600+/-0.543 χ^2/NDF: 2642871.0/36

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/19

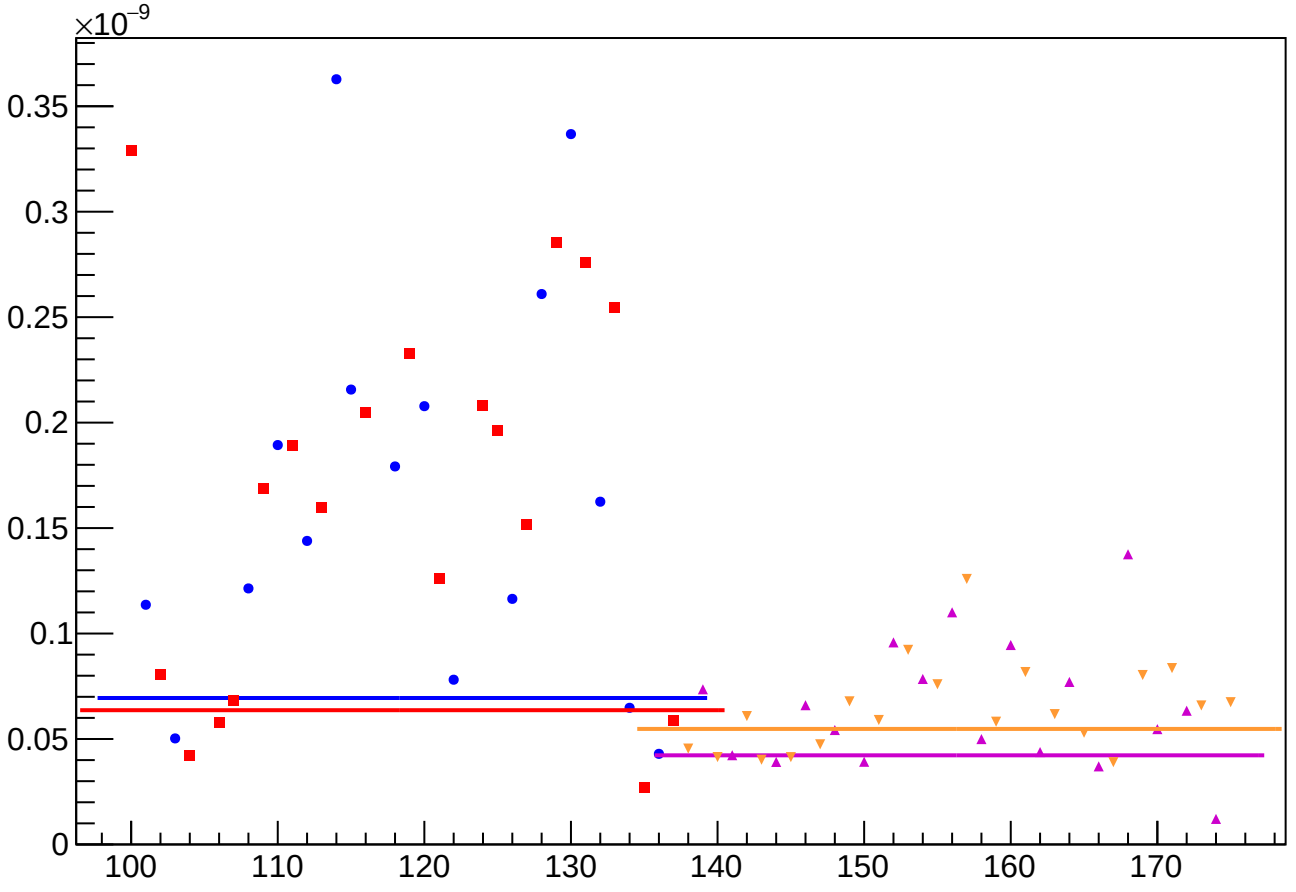
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/17

+ sign -0.000+/-0.000 χ^2/NDF: 42.6/35

All: 0.000+/-0.000 χ^2/NDF: 75.6/72

- sign 0.000+/-0.000 χ^2/NDF: 32.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:989393.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

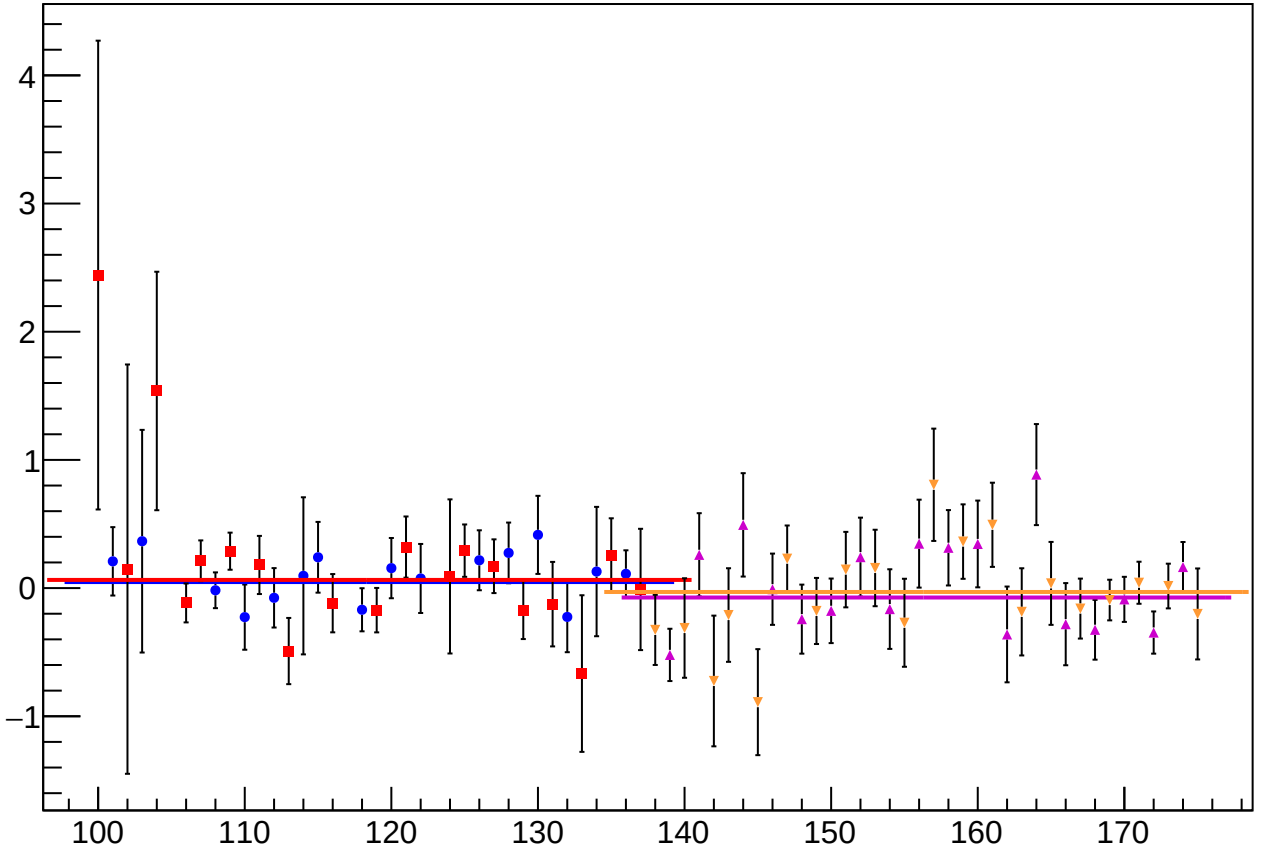
Left In: 0.000+/-0.000 χ^2/NDF:2648280.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 2865779.4/35

All: 0.000+/-0.000 χ^2/NDF: 8418158.5/72

- sign 0.000+/-0.000 χ^2/NDF: 5212807.3/36

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.030+/-0.060 χ^2/NDF:19.9/19

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

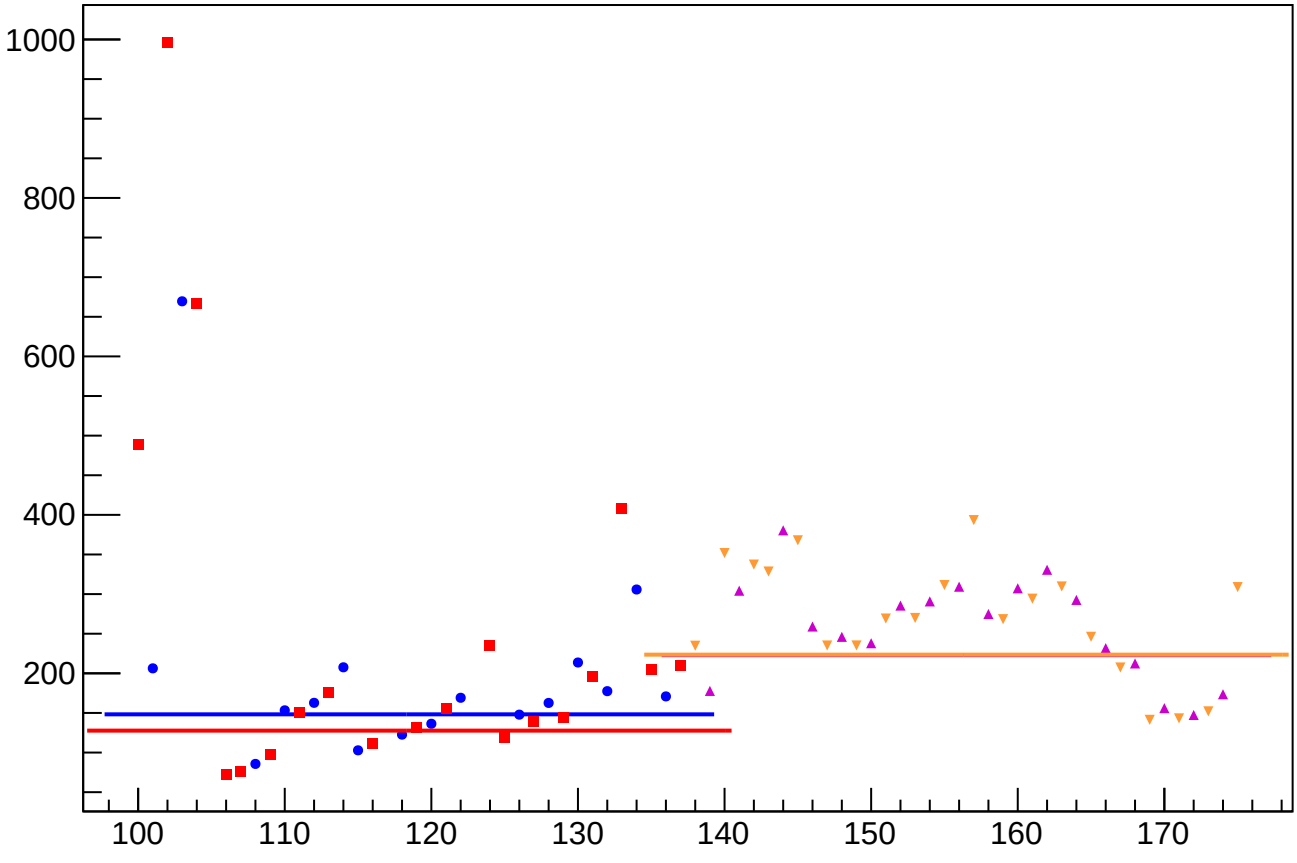
Left In: -0.074+/-0.061 χ^2/NDF:26.7/17

+ sign 0.008+/-0.042 χ^2/NDF: 29.3/35

All: 0.005+/-0.029 χ^2/NDF: 81.1/72

- sign 0.003+/-0.041 χ^2/NDF: 51.7/36

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 223.566+/-0.042 χ^2/NDF:3024897.8/19

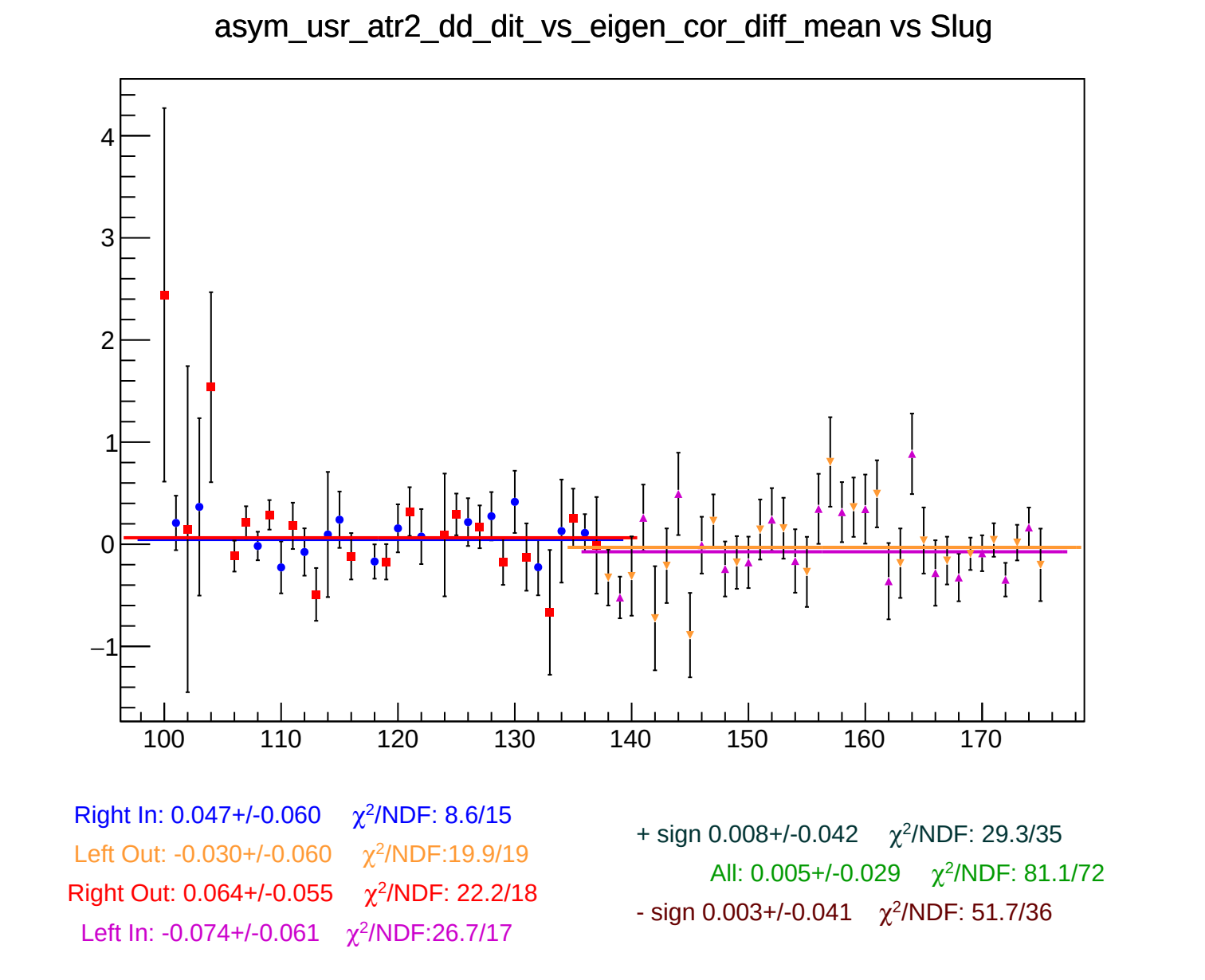
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.885+/-0.043 χ^2/NDF:2147664.4/17

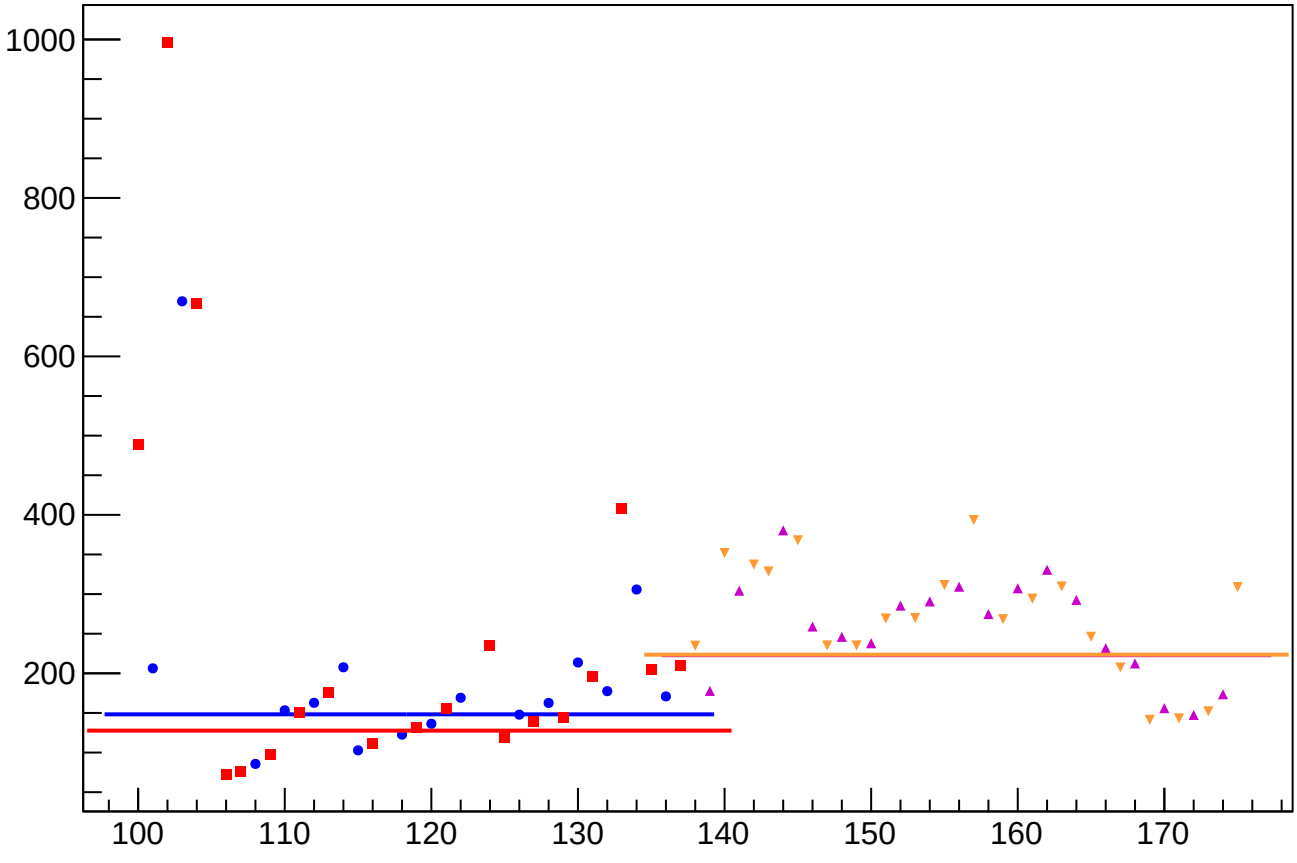
+ sign 186.006+/-0.030 χ^2/NDF: 6313843.7/35

All: 177.739+/-0.021 χ^2/NDF: 14152899.3/72

- sign 170.117+/-0.029 χ^2/NDF: 7692833.0/36


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.030+/-0.060 χ²/NDF:19.9/19
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.074+/-0.061 χ²/NDF:26.7/17
+ sign 0.008+/-0.042 χ²/NDF: 29.3/35
All: 0.005+/-0.029 χ²/NDF: 81.1/72
- sign 0.003+/-0.041 χ²/NDF: 51.7/36

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 223.566+/-0.042 χ^2/NDF:3024897.8/19

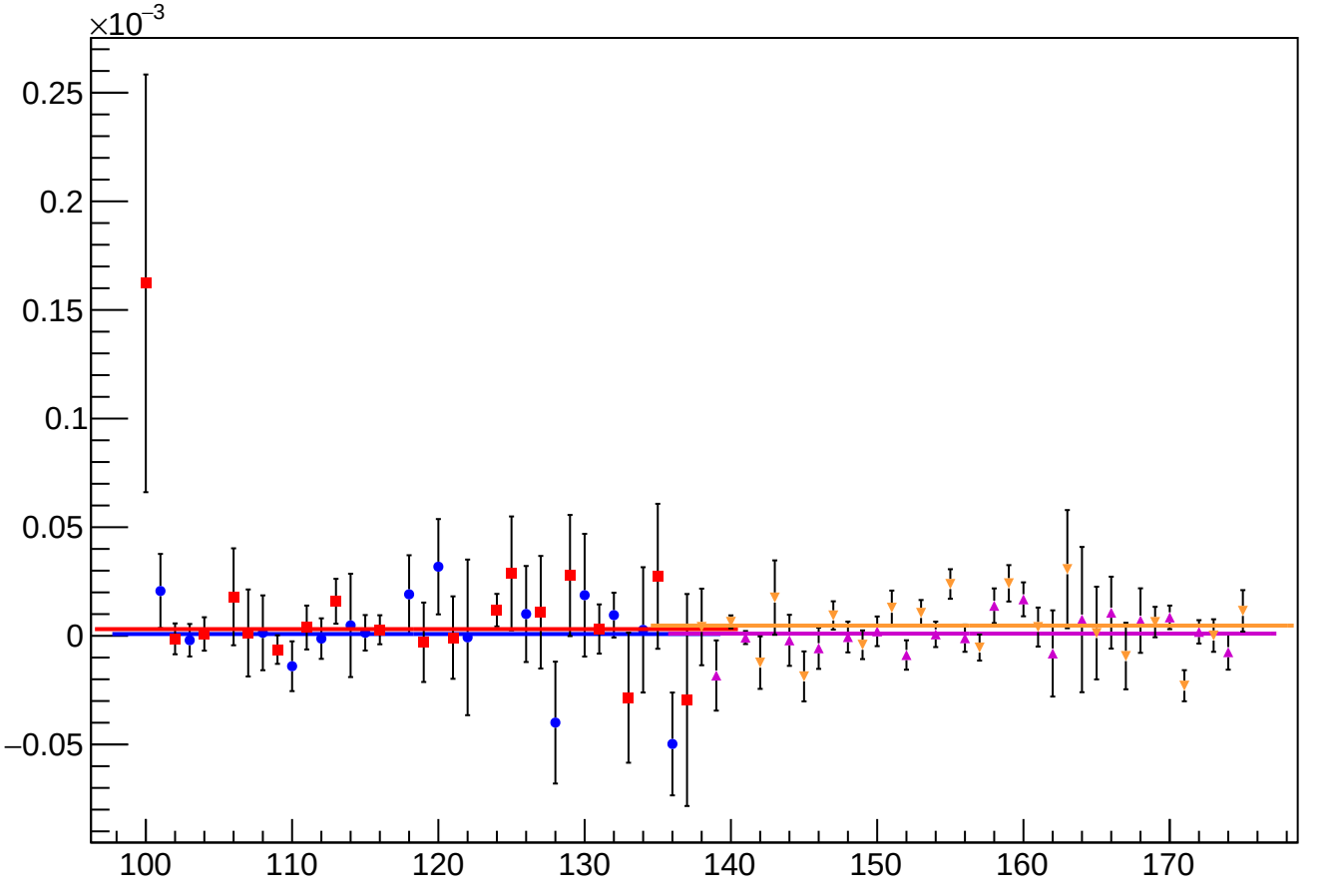
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.885+/-0.043 χ^2/NDF:2147664.4/17

+ sign 186.006+/-0.030 χ^2/NDF: 6313843.7/35

All: 177.739+/-0.021 χ^2/NDF: 14152899.3/72

- sign 170.117+/-0.029 χ^2/NDF: 7692833.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.2/19

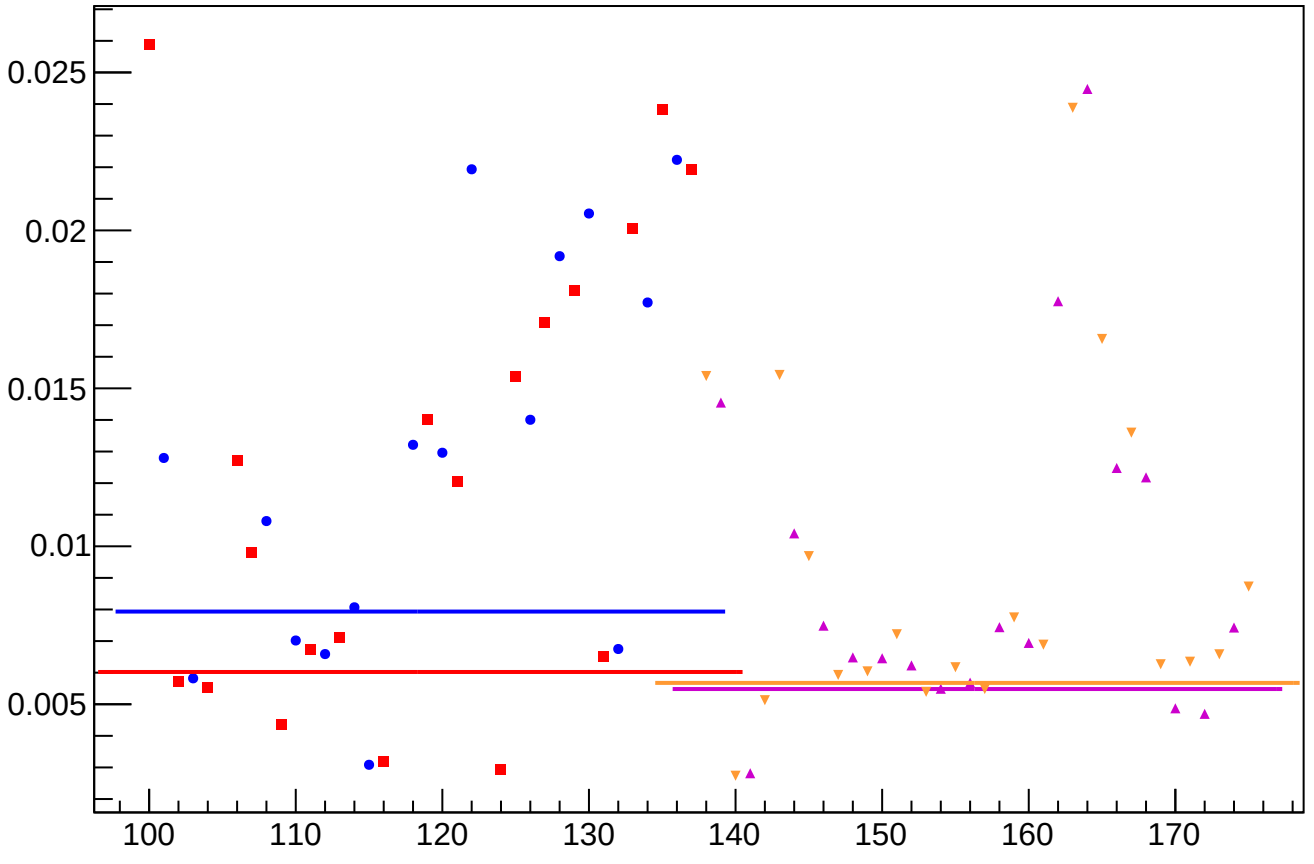
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 60.5/35

All: 0.000+/-0.000 χ^2/NDF: 90.2/72

- sign 0.000+/-0.000 χ^2/NDF: 28.3/36



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:5915914.9/19

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

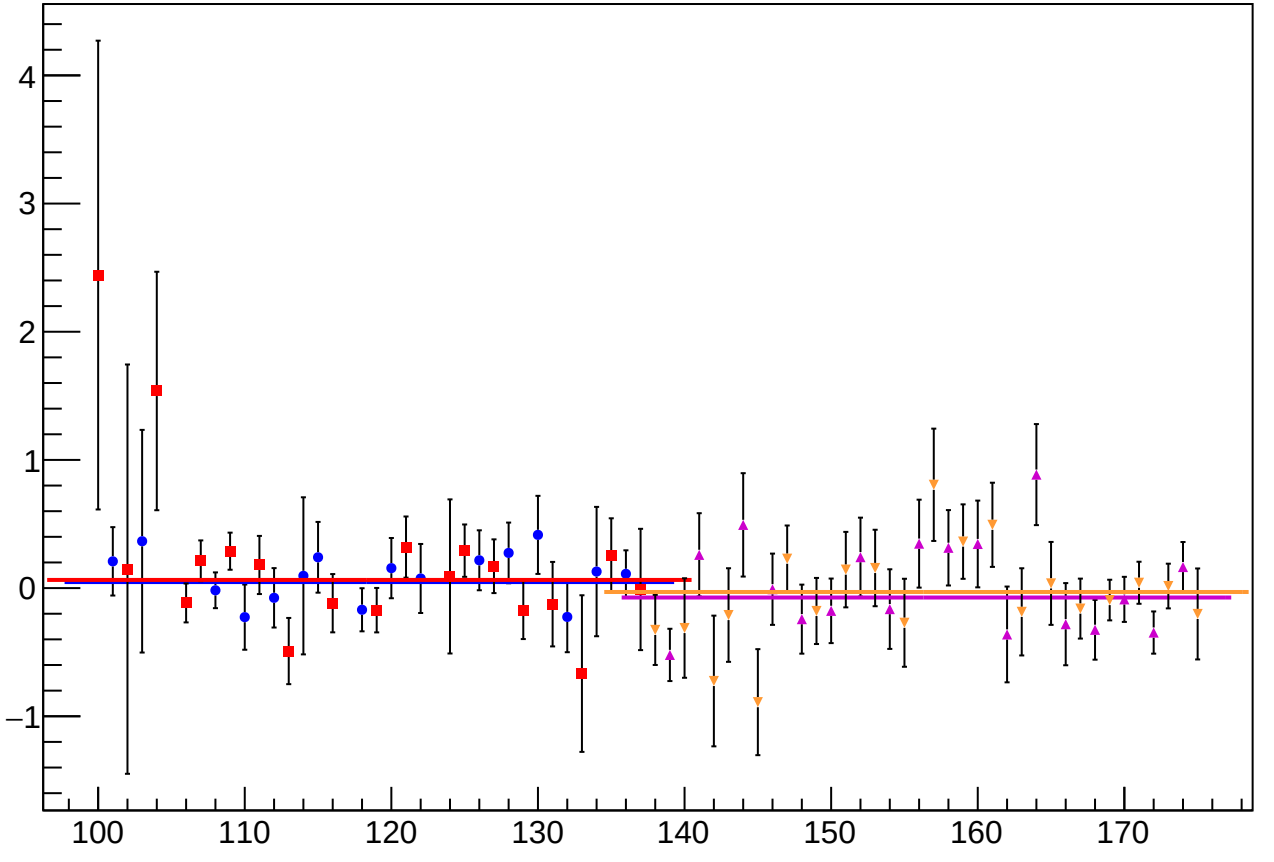
Left In: 0.005+/-0.000 χ^2/NDF:5305820.1/17

+ sign 0.006+/-0.000 χ^2/NDF: 10190265.3/35

All: 0.006+/-0.000 χ^2/NDF: 19667799.5/72

- sign 0.006+/-0.000 χ^2/NDF: 9376218.4/36

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: -0.030+/-0.060 χ^2/NDF:19.9/19

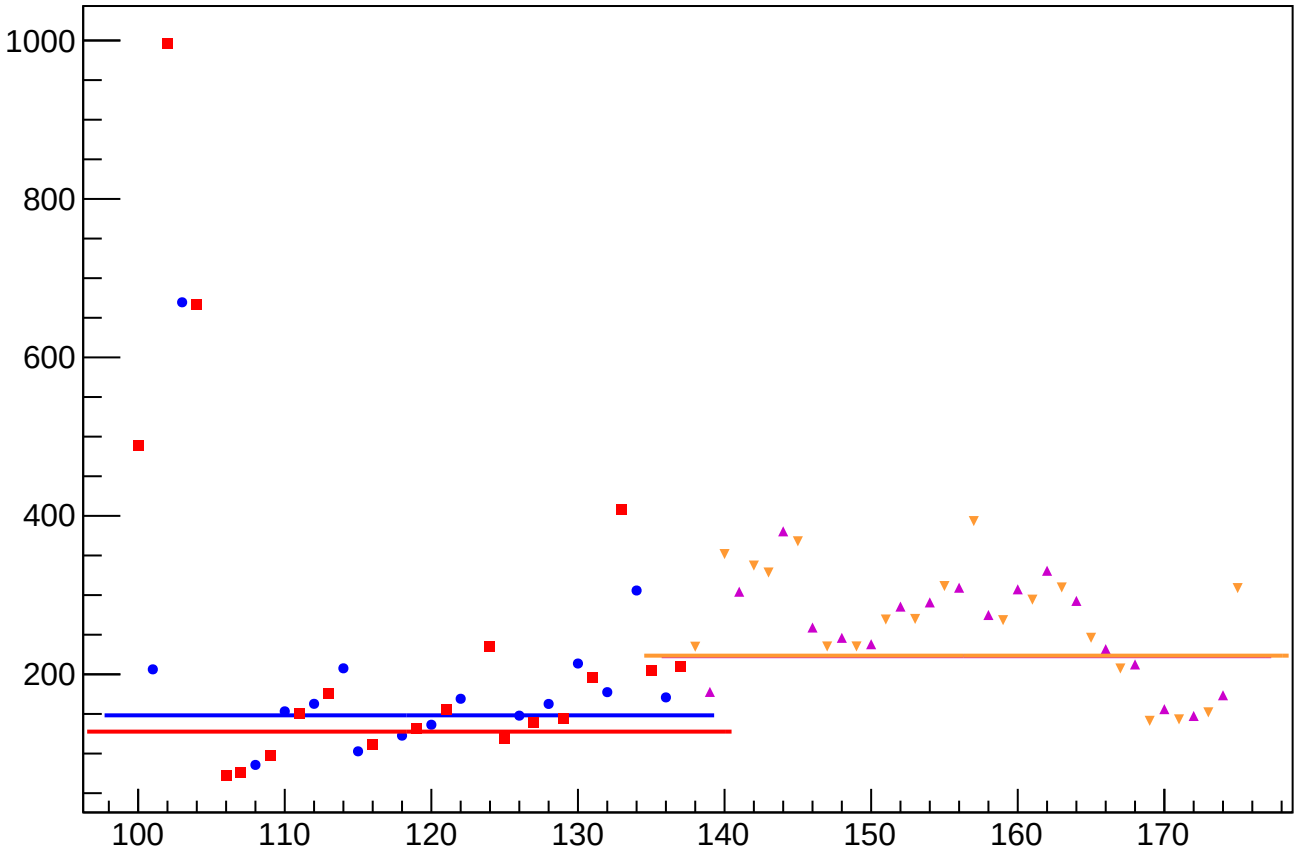
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.074+/-0.061 χ^2/NDF:26.7/17

+ sign 0.008+/-0.042 χ^2/NDF: 29.3/35

All: 0.005+/-0.029 χ^2/NDF: 81.1/72

- sign 0.003+/-0.041 χ^2/NDF: 51.7/36



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 223.567+/-0.042 χ^2/NDF:3025025.2/19

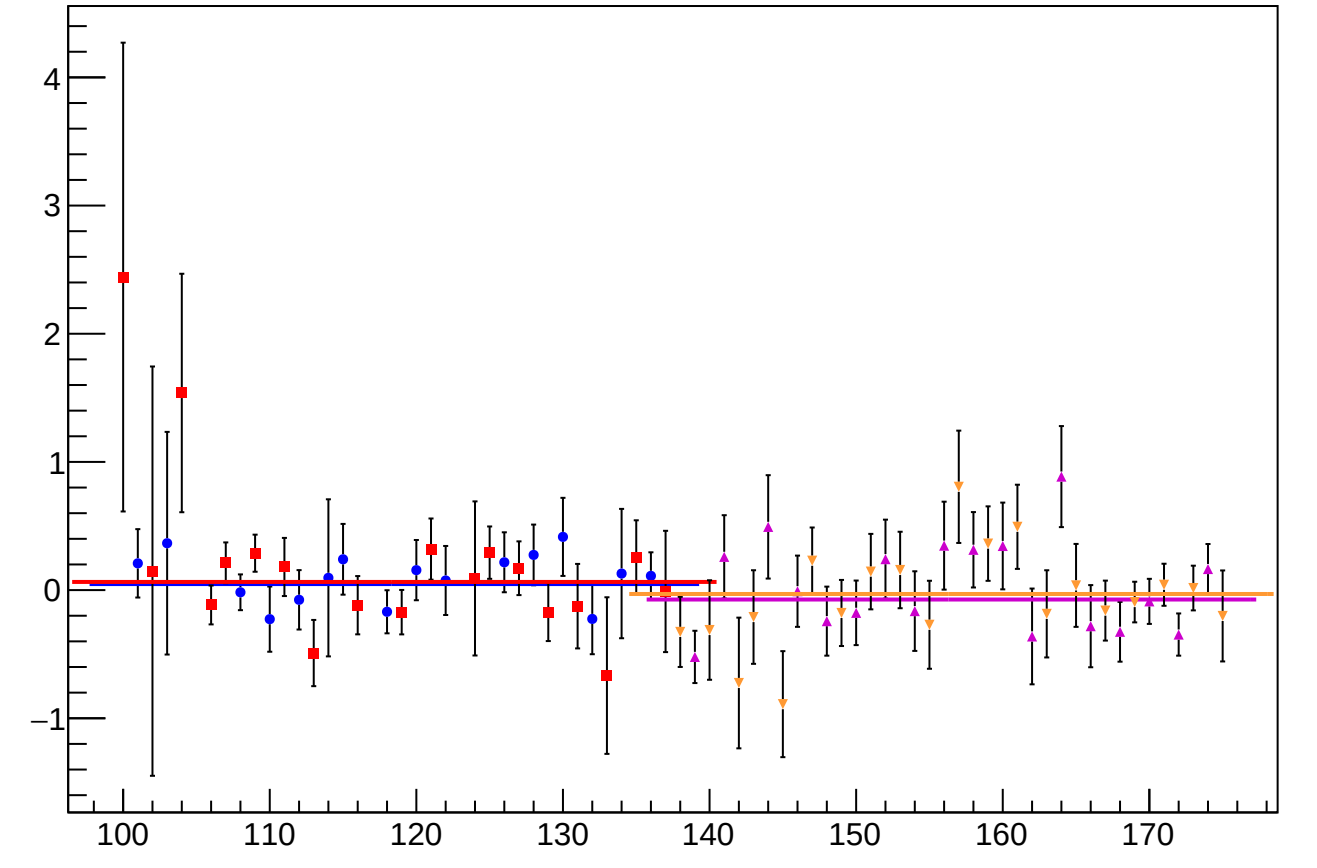
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.887+/-0.043 χ^2/NDF:2147703.3/17

+ sign 186.005+/-0.030 χ^2/NDF: 6314197.9/35

All: 177.738+/-0.021 χ^2/NDF: 14153321.7/72

- sign 170.117+/-0.029 χ^2/NDF: 7692937.1/36



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.030+/-0.060 χ^2/NDF:19.9/19

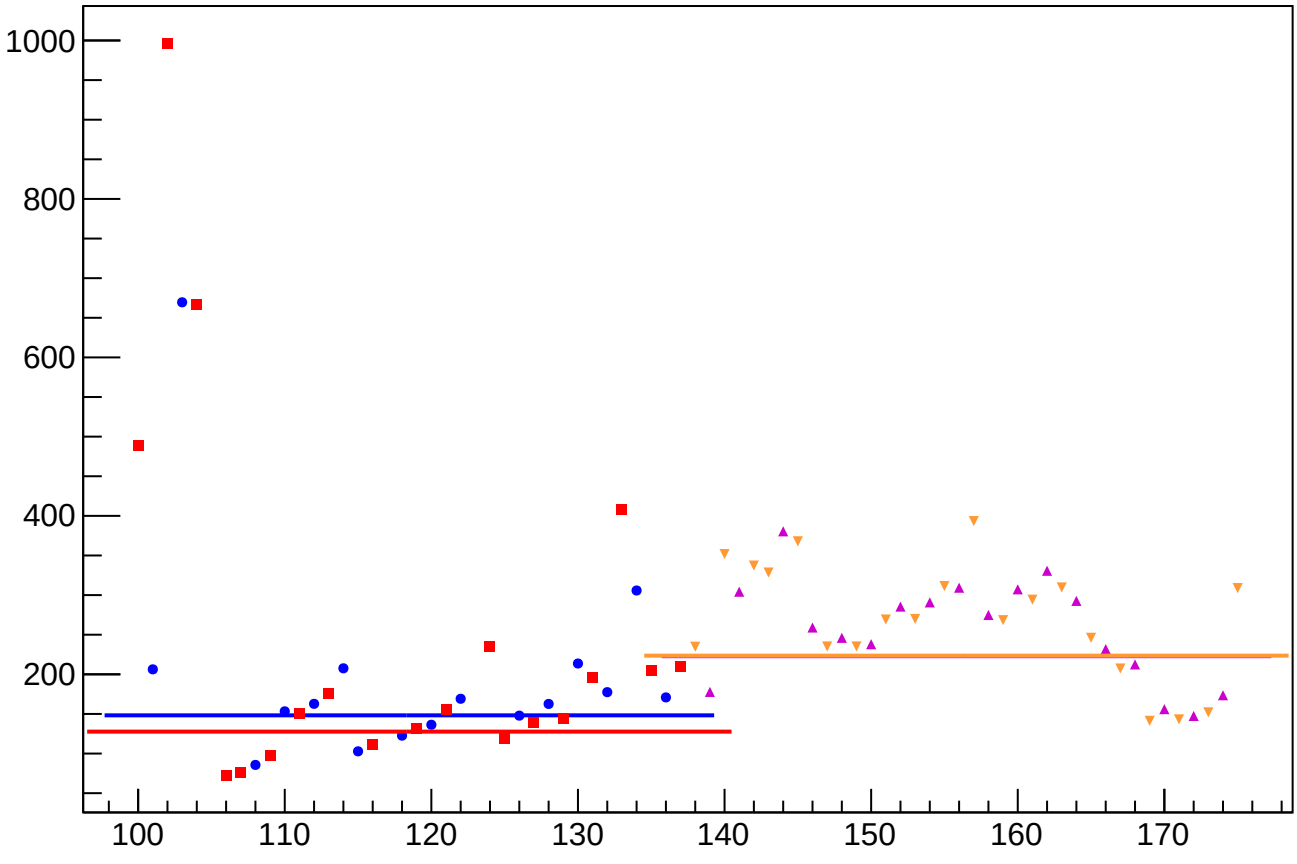
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.074+/-0.061 χ^2/NDF:26.7/17

\+ sign 0.008+/-0.042 χ^2/NDF: 29.3/35

All: 0.005+/-0.029 χ^2/NDF: 81.1/72

\- sign 0.003+/-0.041 χ^2/NDF: 51.7/36



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 223.567+/-0.042 χ^2/NDF:3025025.2/19

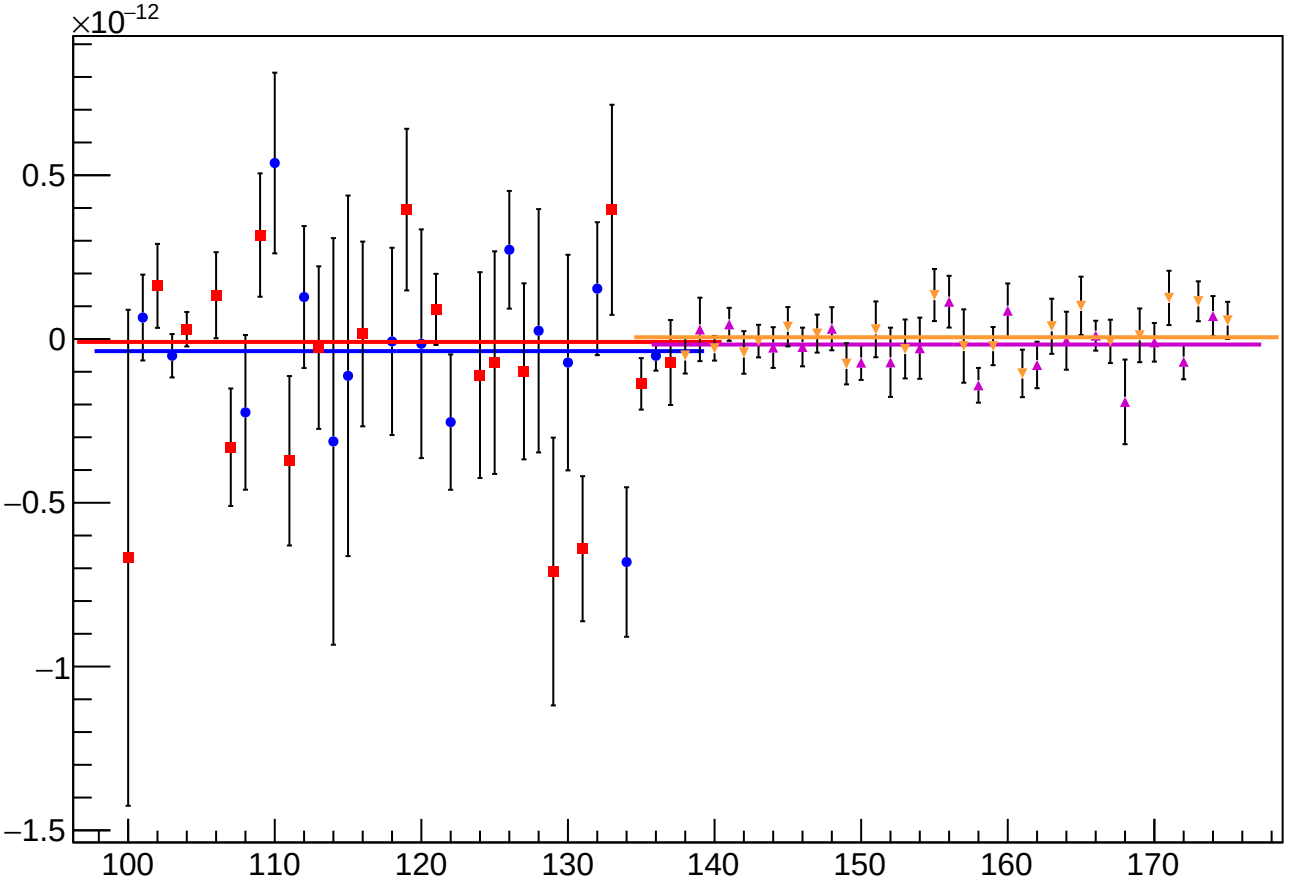
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.887+/-0.043 χ^2/NDF:2147703.3/17

+ sign 186.005+/-0.030 χ^2/NDF: 6314197.9/35

All: 177.738+/-0.021 χ^2/NDF: 14153321.7/72

- sign 170.117+/-0.029 χ^2/NDF: 7692937.1/36



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/19

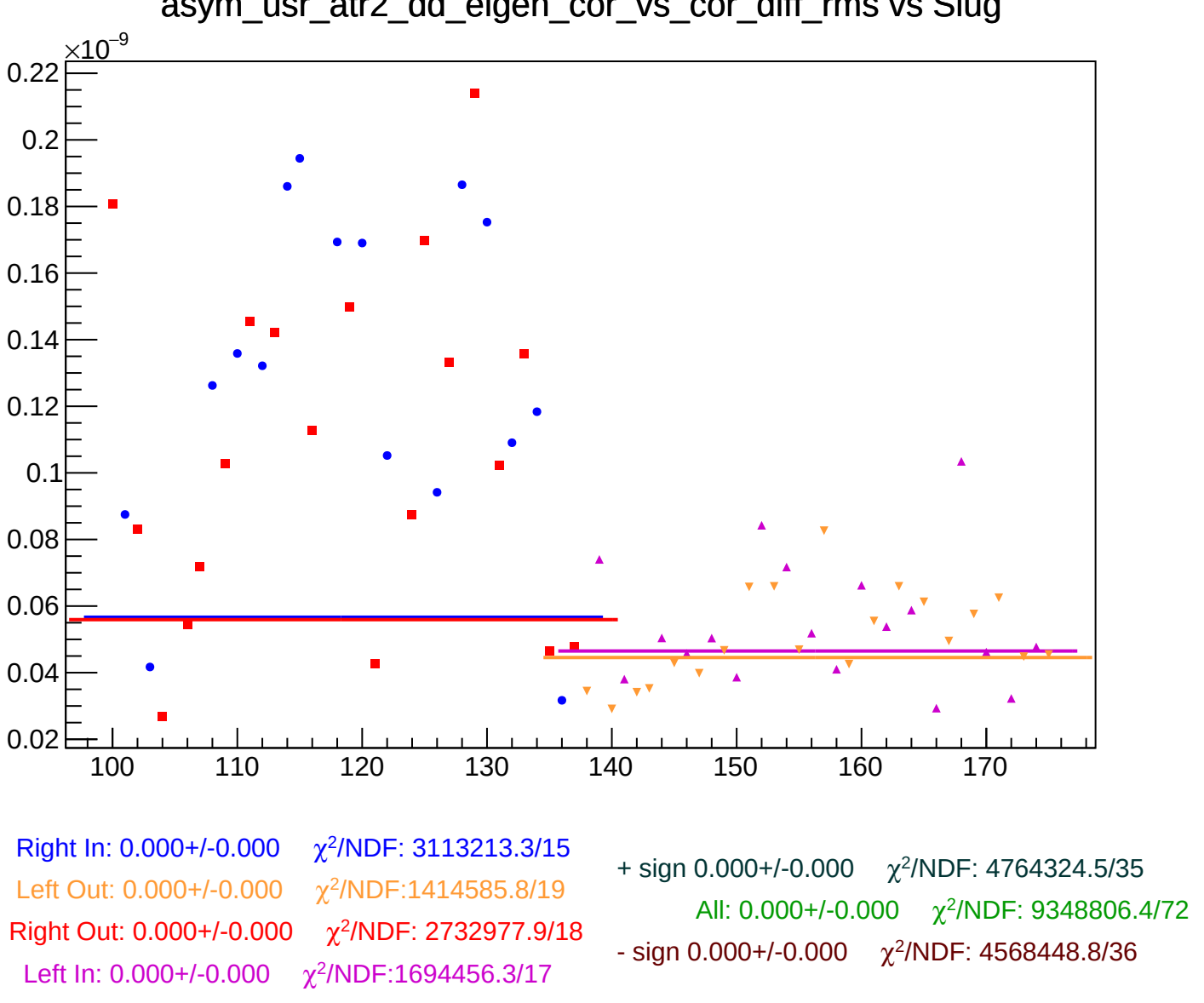
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.4/17

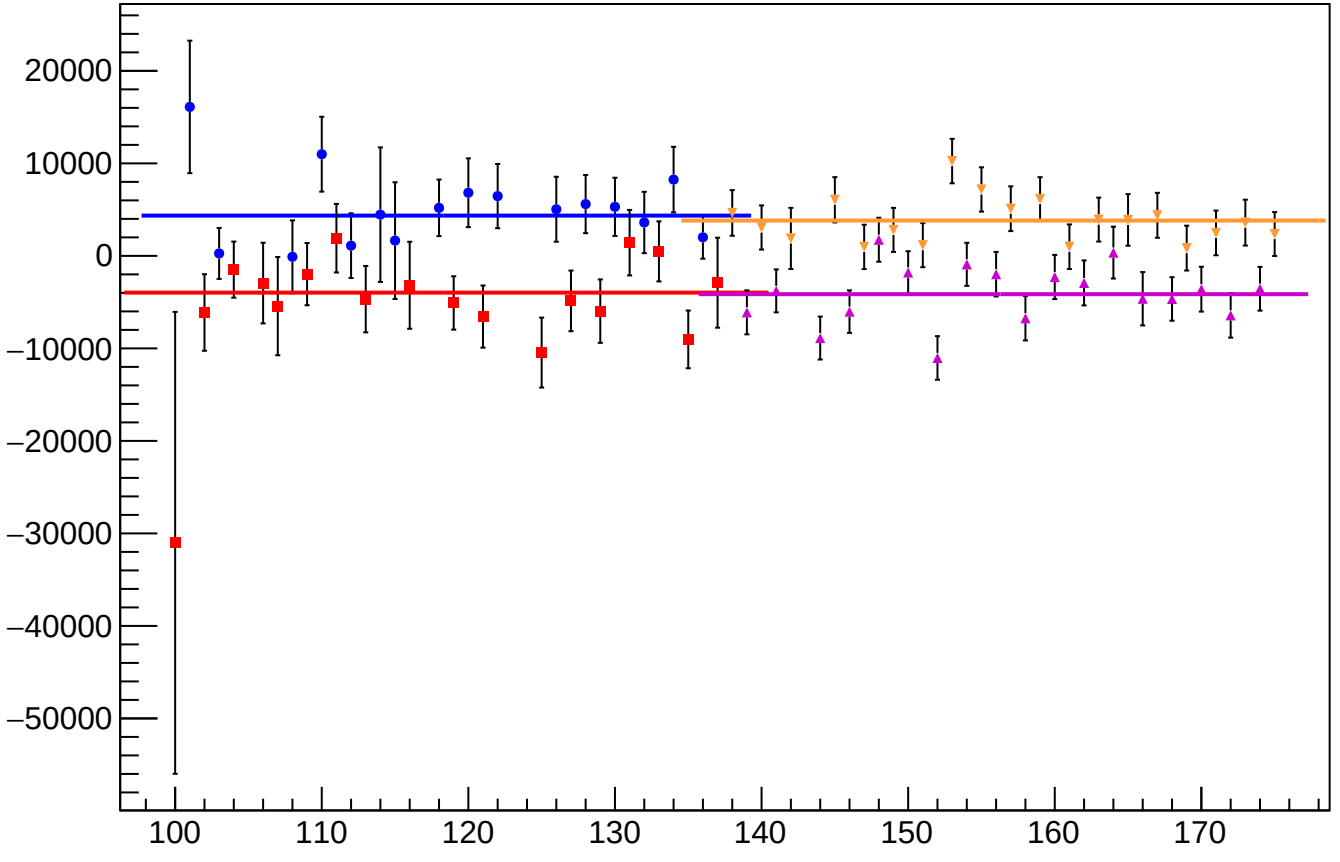
+ sign -0.000+/-0.000 χ^2/NDF: 38.3/35

All: -0.000+/-0.000 χ^2/NDF: 90.0/72

- sign -0.000+/-0.000 χ^2/NDF: 51.2/36


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1414585.8/19
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:1694456.3/17
+ sign 0.000+/-0.000 χ²/NDF: 4764324.5/35
All: 0.000+/-0.000 χ²/NDF: 9348806.4/72
- sign 0.000+/-0.000 χ²/NDF: 4568448.8/36

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3817.378+/-563.326 χ^2/NDF:18.2/18

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

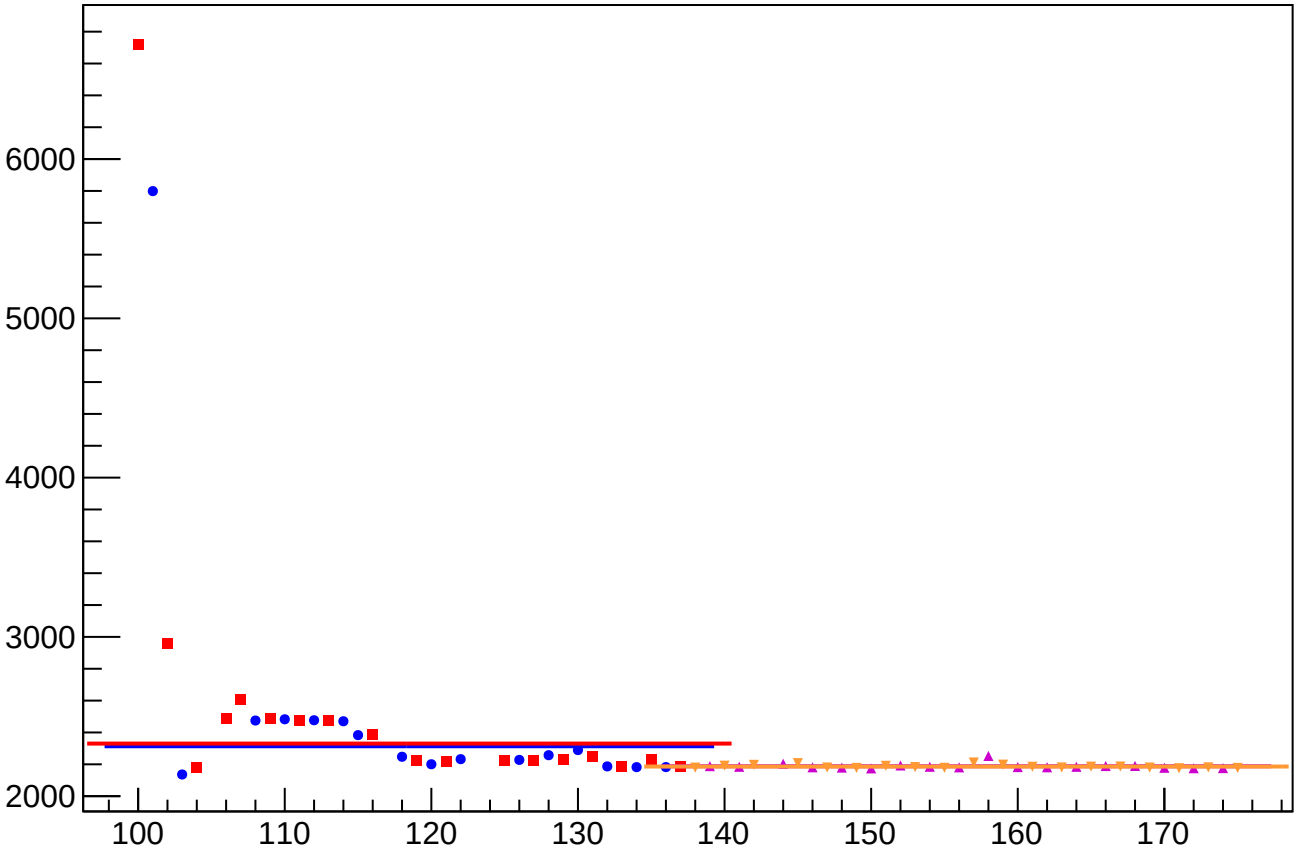
Left In: -4139.765+/-567.141 χ^2/NDF:29.7/17

+ sign 3974.685+/-473.679 χ^2/NDF: 31.9/34

All: -43.595+/-335.520 χ^2/NDF: 222.2/70

- sign -4089.743+/-475.318 χ^2/NDF: 45.9/35

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.086+/-0.398 χ^2/NDF:634.8/18

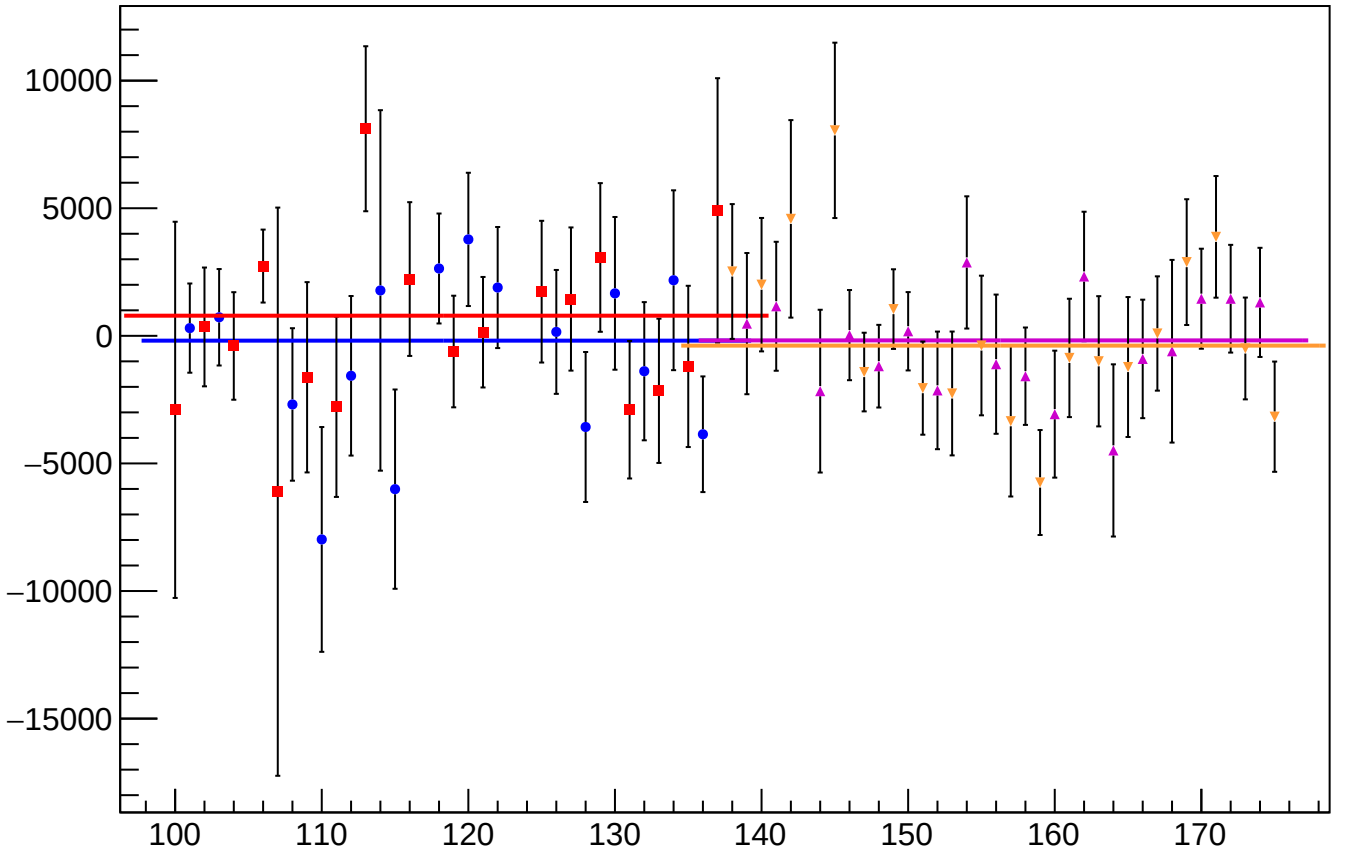
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2187.836+/-0.401 χ^2/NDF:1858.5/17

+ sign 2223.387+/-0.335 χ^2/NDF: 542939.6/34

All: 2226.783+/-0.237 χ^2/NDF: 733719.4/70

- sign 2230.203+/-0.336 χ^2/NDF: 190573.4/35



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -383.422+/-519.448 χ^2/NDF:27.1/18

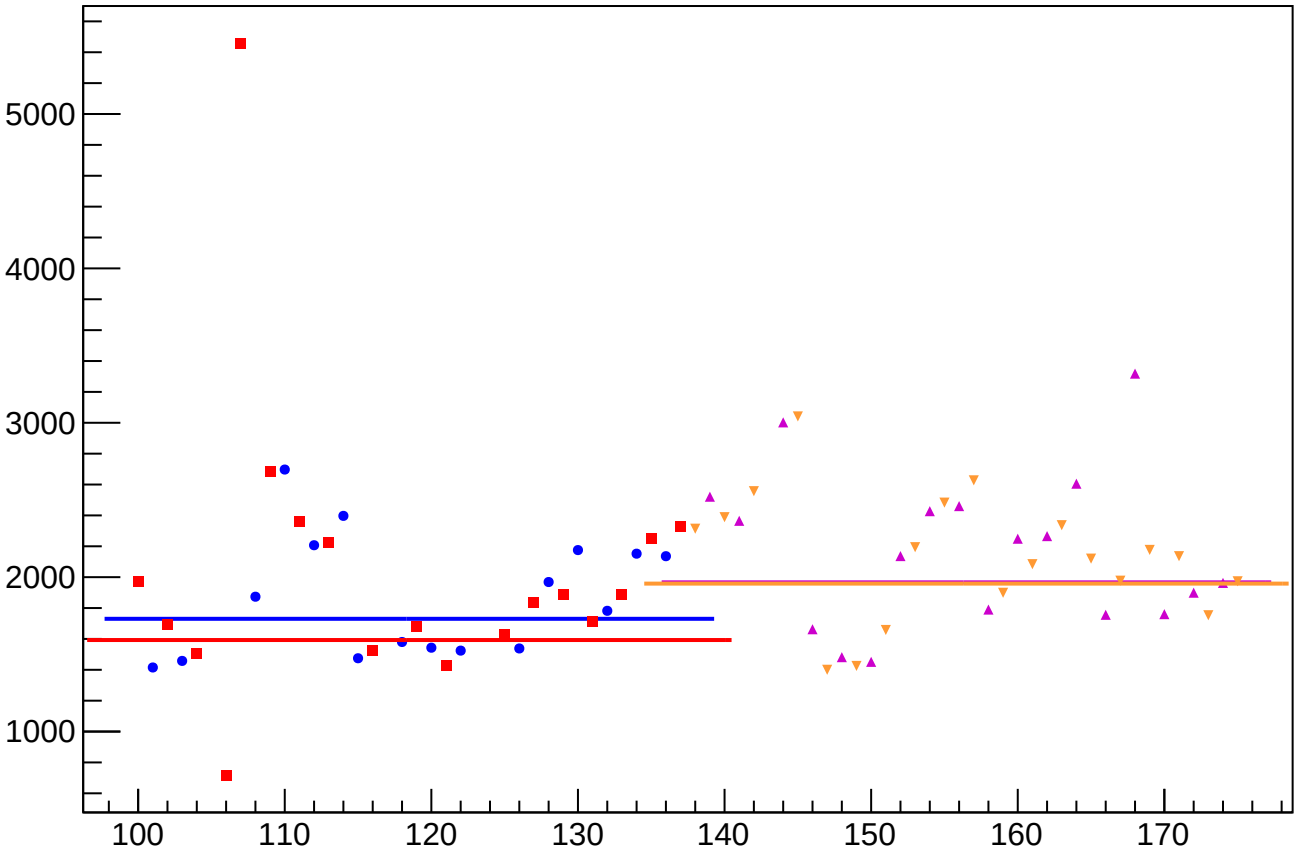
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -178.498+/-524.889 χ^2/NDF:9.8/17

+ sign -308.692+/-407.793 χ^2/NDF: 43.6/34

All: -45.039+/-287.197 χ^2/NDF: 70.5/70

- sign 214.427+/-404.542 χ^2/NDF: 26.1/35



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1958.275+/-0.367 χ^2/NDF:1188864.2/18

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

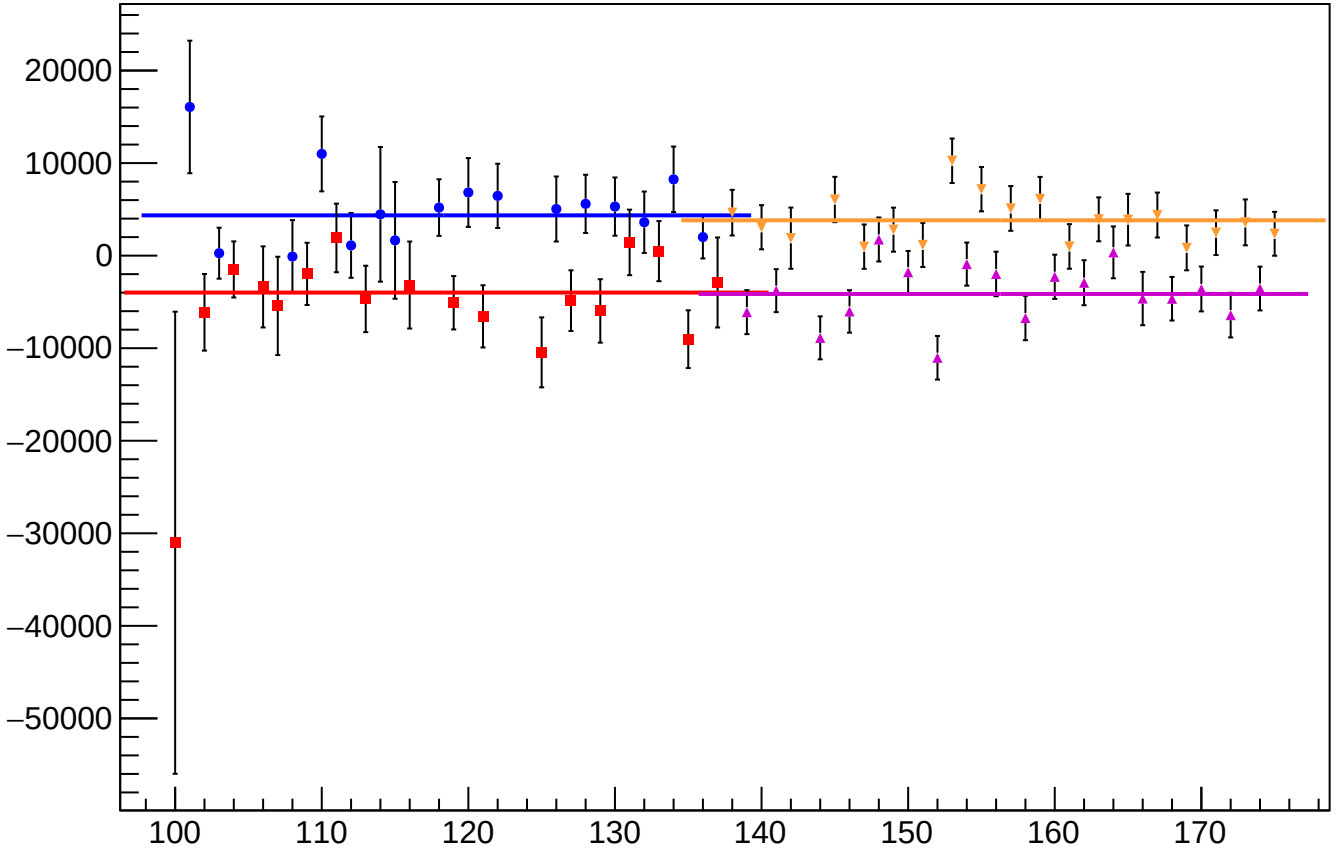
Left In: 1966.574+/-0.371 χ^2/NDF:1412567.9/17

+ sign 1870.797+/-0.288 χ^2/NDF: 1815622.7/34

All: 1842.592+/-0.203 χ^2/NDF: 5215072.1/70

- sign 1814.835+/-0.286 χ^2/NDF: 3380466.2/35

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3817.326+/-563.326 χ^2/NDF:18.2/18

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

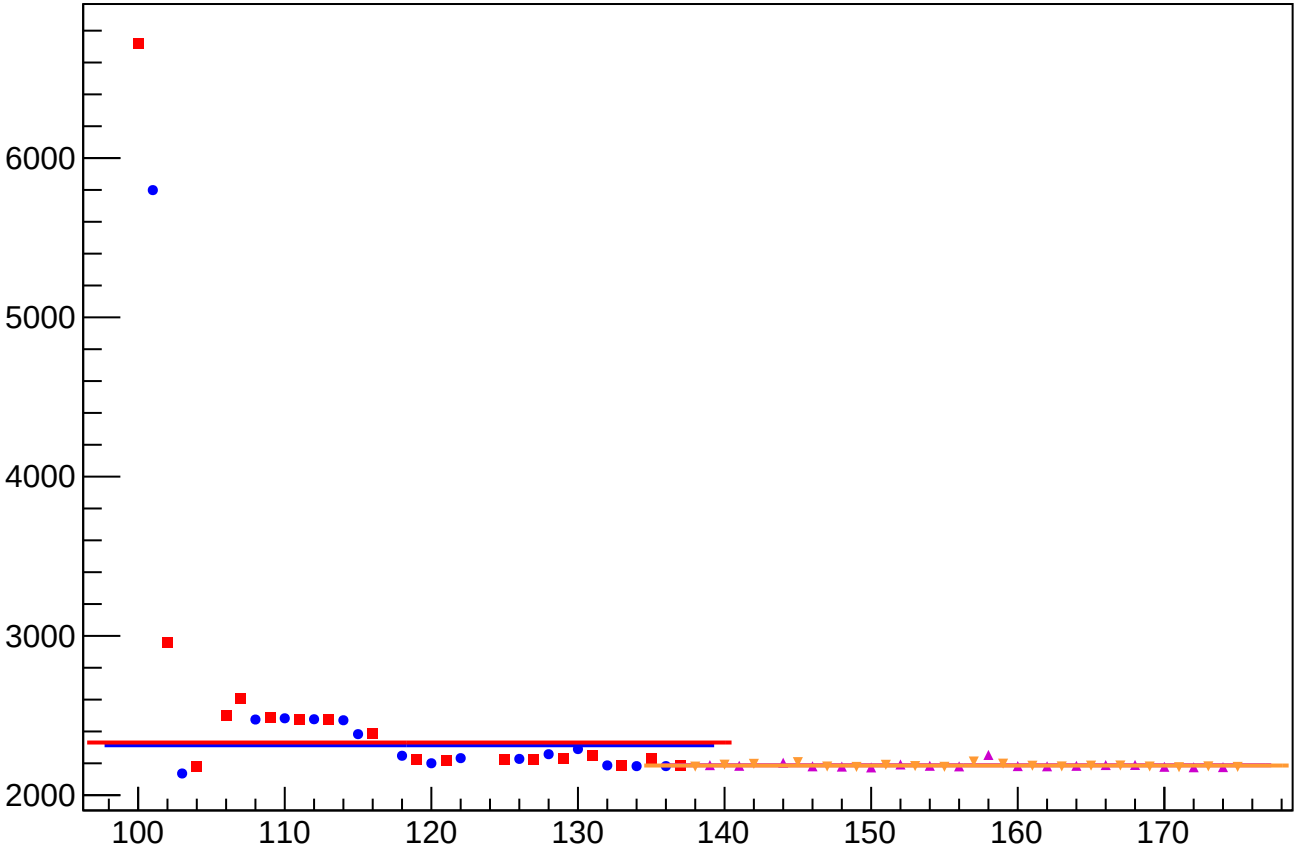
Left In: -4139.865+/-567.141 χ^2/NDF:29.7/17

+ sign 3974.450+/-473.679 χ^2/NDF: 31.9/34

All: -46.246+/-335.528 χ^2/NDF: 222.3/70

- sign -4095.242+/-475.343 χ^2/NDF: 45.9/35

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.086+/-0.398 χ^2/NDF:634.8/18

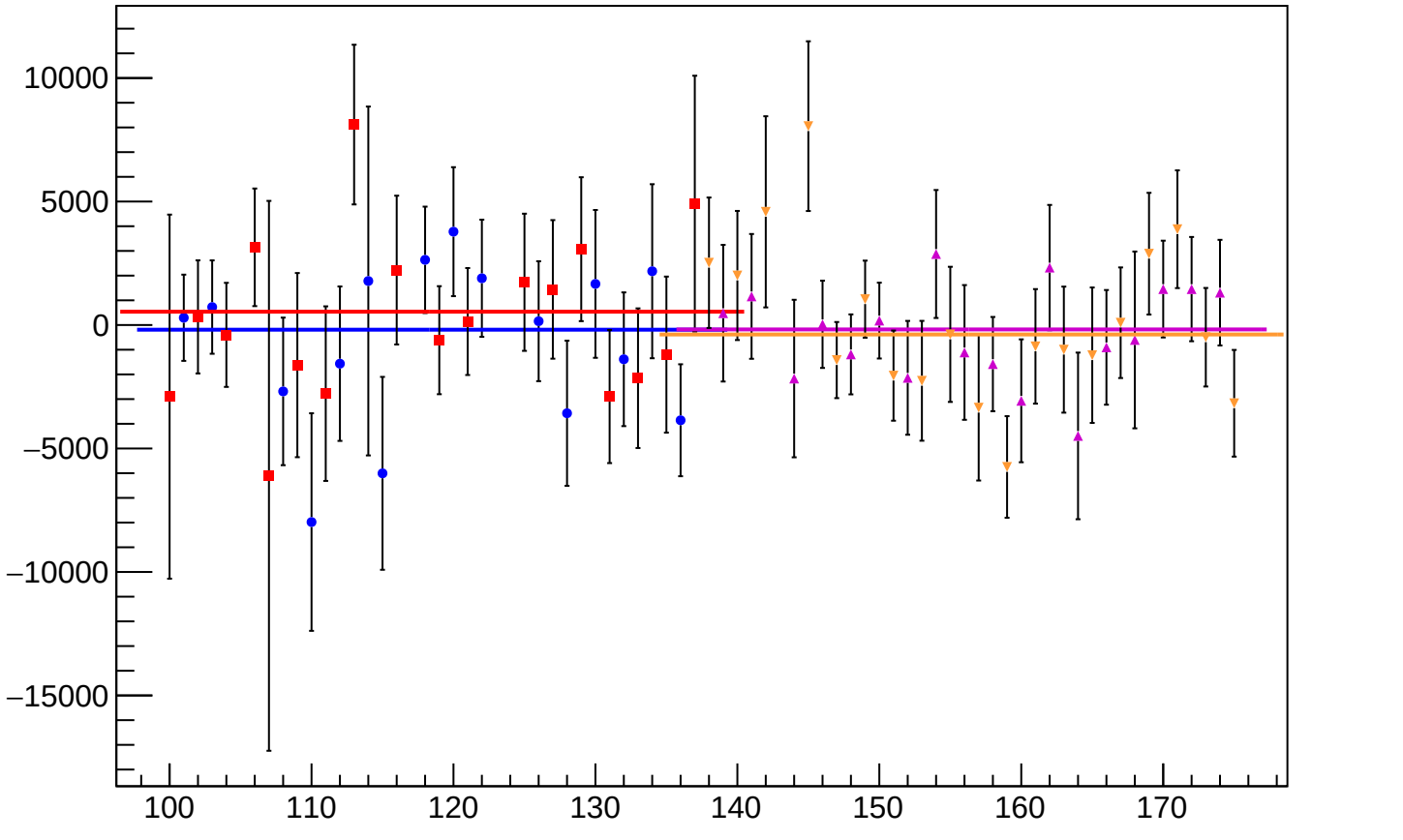
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.836+/-0.401 χ^2/NDF:1858.5/17

+ sign 2223.387+/-0.335 χ^2/NDF: 542940.0/34

All: 2226.833+/-0.237 χ^2/NDF: 734257.6/70

- sign 2230.303+/-0.336 χ^2/NDF: 191105.2/35



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -383.532+/-519.447 χ^2/NDF:27.1/18

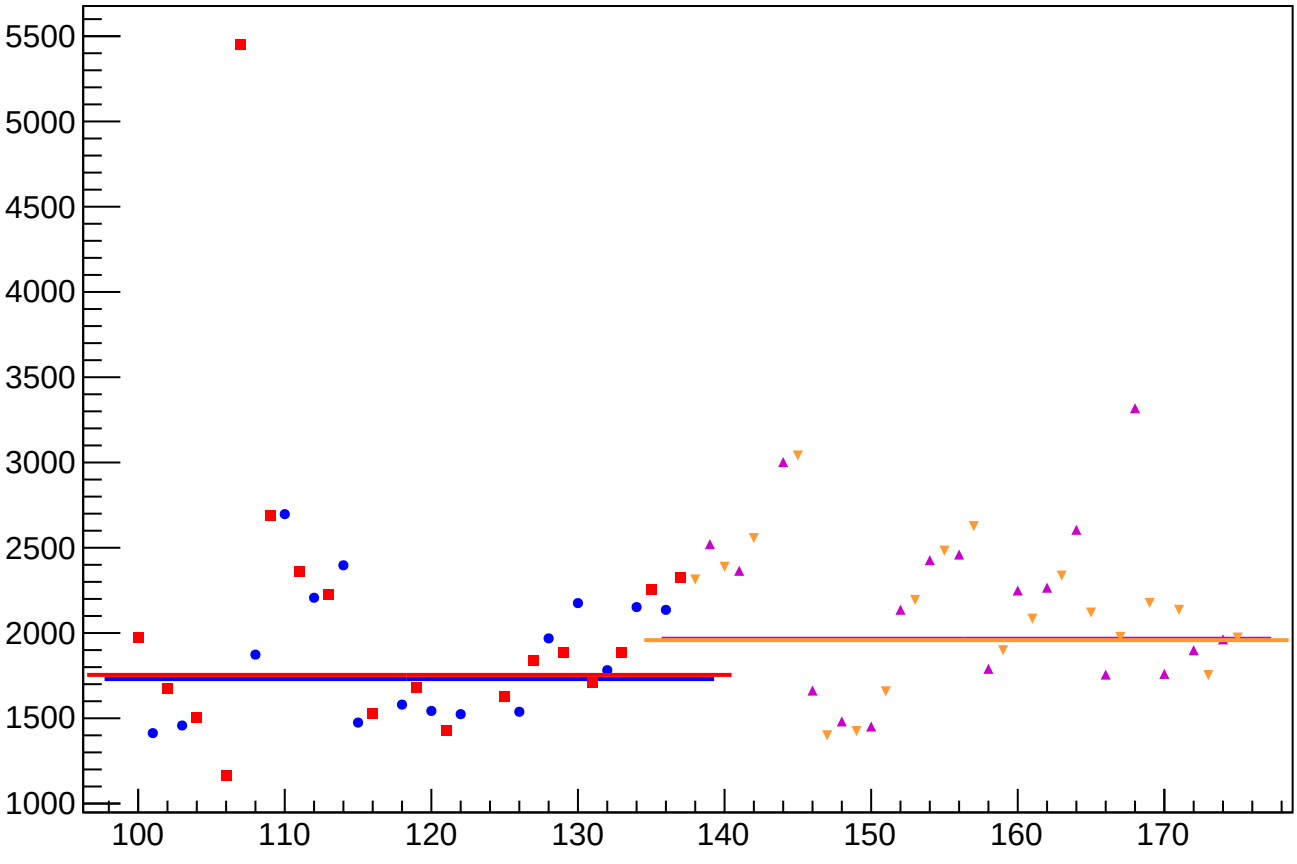
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -178.605+/-524.890 χ^2/NDF:9.8/17

+ sign -309.166+/-407.762 χ^2/NDF: 43.6/34

All: -112.943+/-290.890 χ^2/NDF: 68.5/70

- sign 90.401+/-415.096 χ^2/NDF: 24.4/35



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1958.270+/-0.367 χ^2/NDF:1188904.2/18

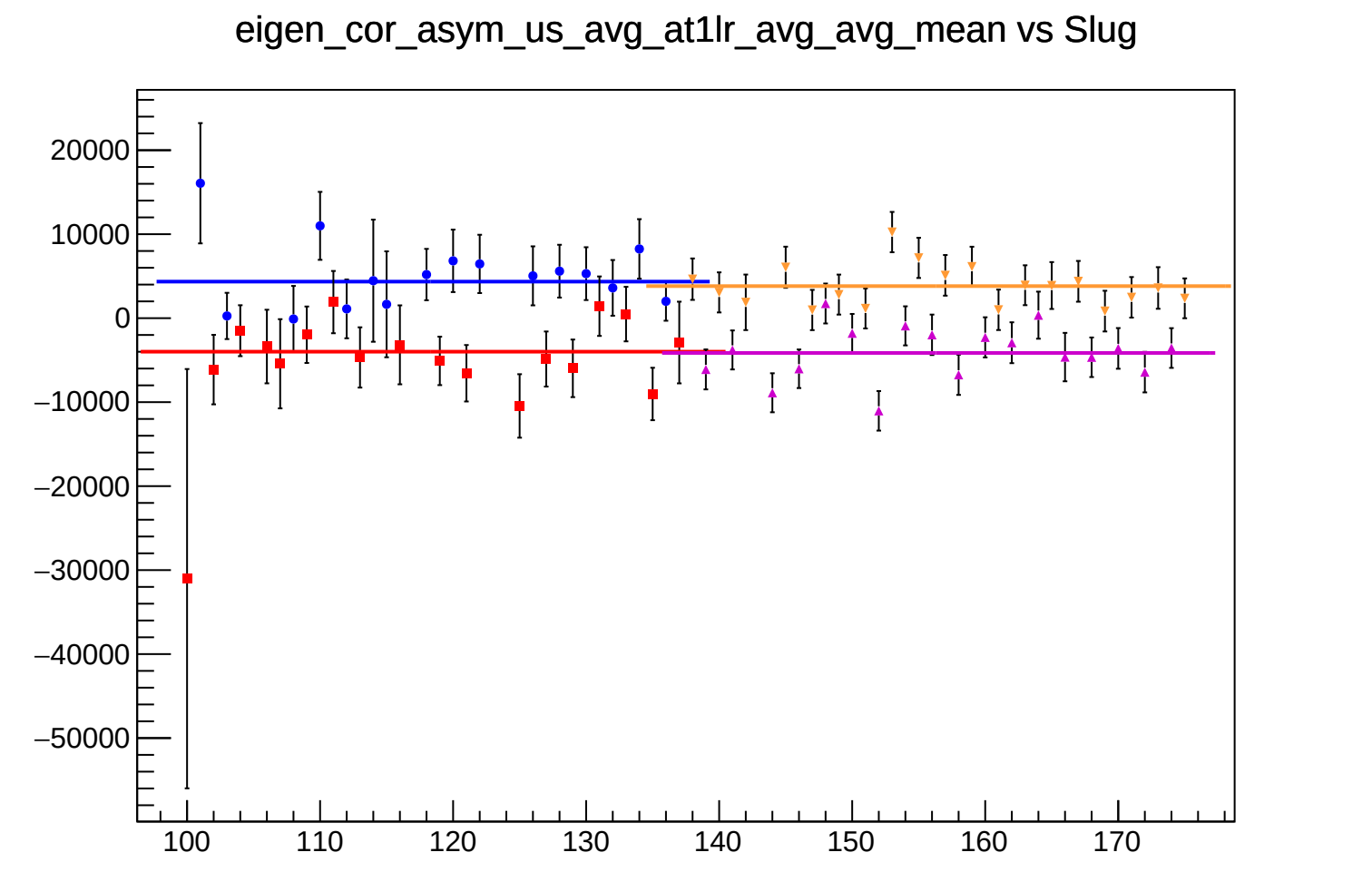
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1966.580+/-0.371 χ^2/NDF:1412590.7/17

+ sign 1870.623+/-0.288 χ^2/NDF: 1817163.9/34

All: 1878.737+/-0.206 χ^2/NDF: 4104655.0/70

- sign 1887.146+/-0.294 χ^2/NDF: 2285878.6/35



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3817.326+/-563.326 χ^2/NDF:18.2/18

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

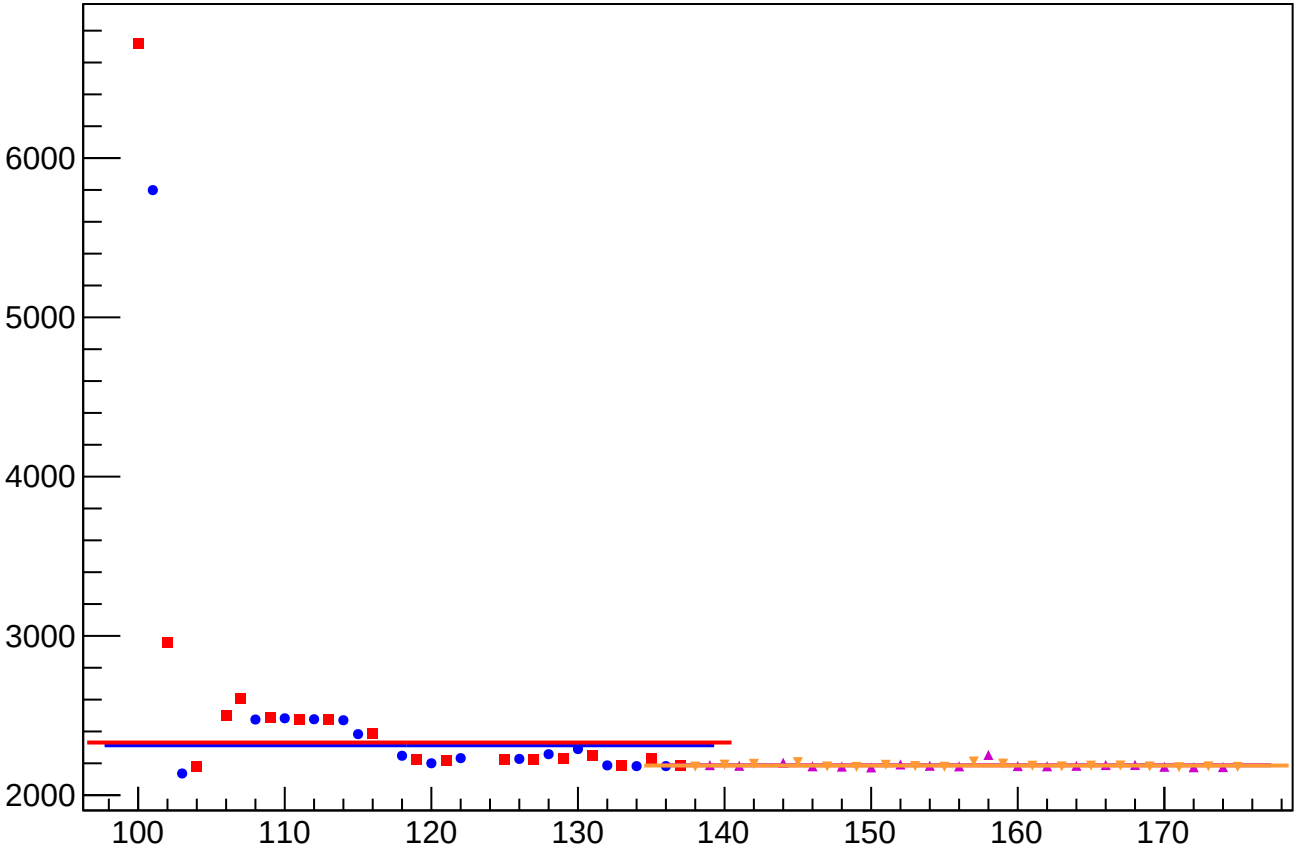
Left In: -4139.865+/-567.141 χ^2/NDF:29.7/17

+ sign 3974.450+/-473.679 χ^2/NDF: 31.9/34

All: -46.246+/-335.528 χ^2/NDF: 222.3/70

- sign -4095.242+/-475.343 χ^2/NDF: 45.9/35

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.086+/-0.398 χ^2/NDF:634.8/18

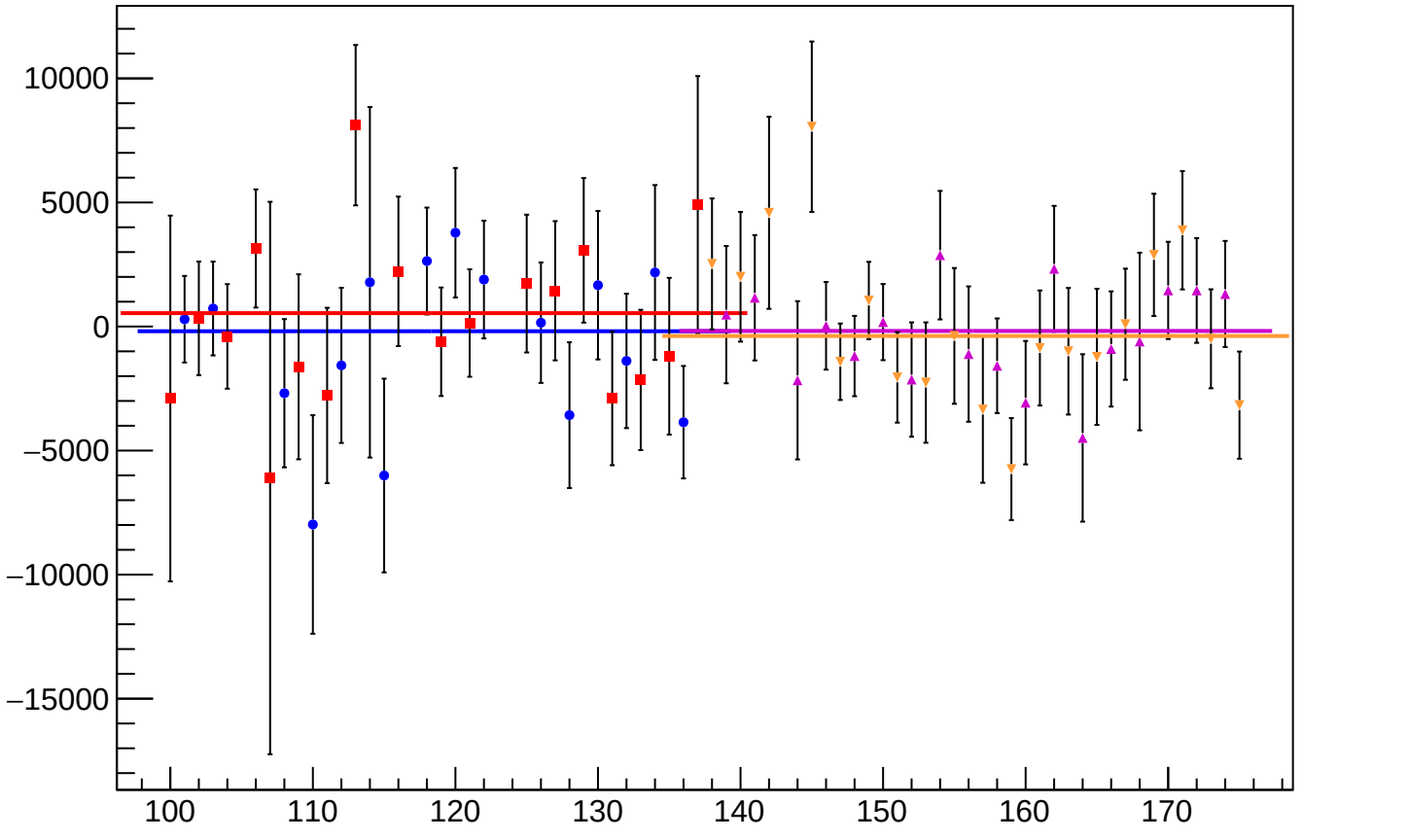
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.836+/-0.401 χ^2/NDF:1858.5/17

+ sign 2223.387+/-0.335 χ^2/NDF: 542940.0/34

All: 2226.833+/-0.237 χ^2/NDF: 734257.6/70

- sign 2230.303+/-0.336 χ^2/NDF: 191105.2/35



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -383.532+/-519.447 χ^2/NDF:27.1/18

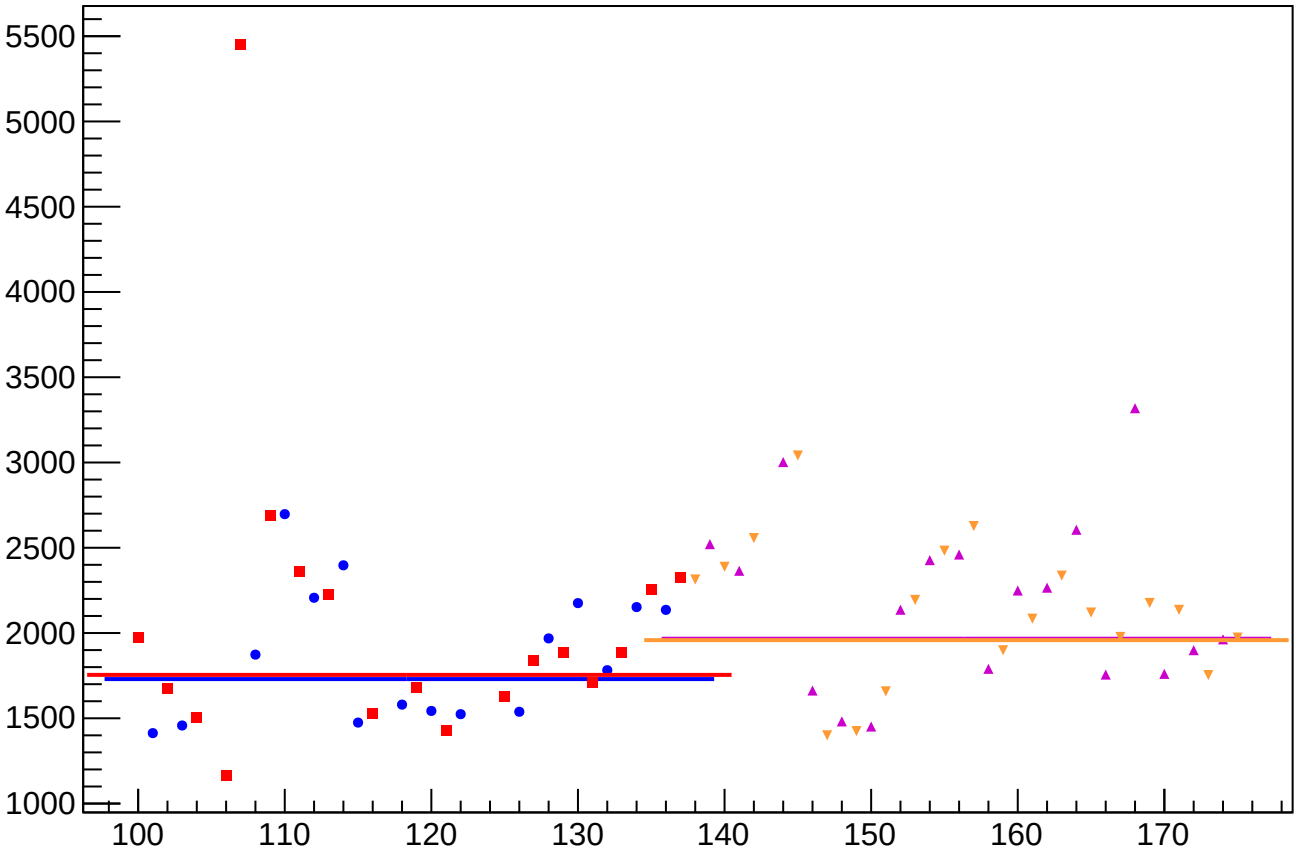
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -178.605+/-524.890 χ^2/NDF:9.8/17

+ sign -309.166+/-407.762 χ^2/NDF: 43.6/34

All: -112.943+/-290.890 χ^2/NDF: 68.5/70

- sign 90.401+/-415.096 χ^2/NDF: 24.4/35



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1958.270+/-0.367 χ^2/NDF:1188904.2/18

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

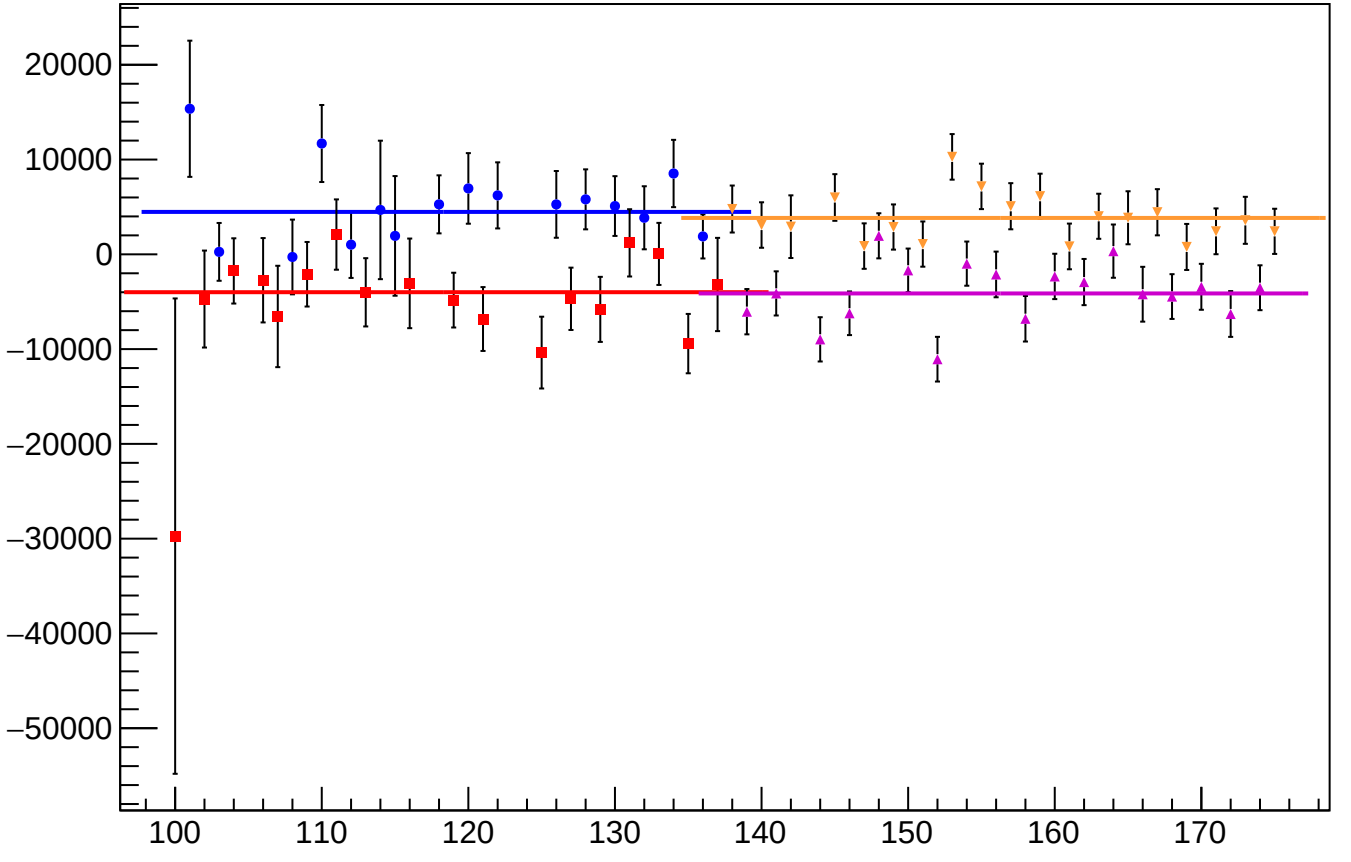
Left In: 1966.580+/-0.371 χ^2/NDF:1412590.7/17

+ sign 1870.623+/-0.288 χ^2/NDF: 1817163.9/34

All: 1878.737+/-0.206 χ^2/NDF: 4104655.0/70

- sign 1887.146+/-0.294 χ^2/NDF: 2285878.6/35

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3840.004+/-564.704 χ^2/NDF:18.3/18

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

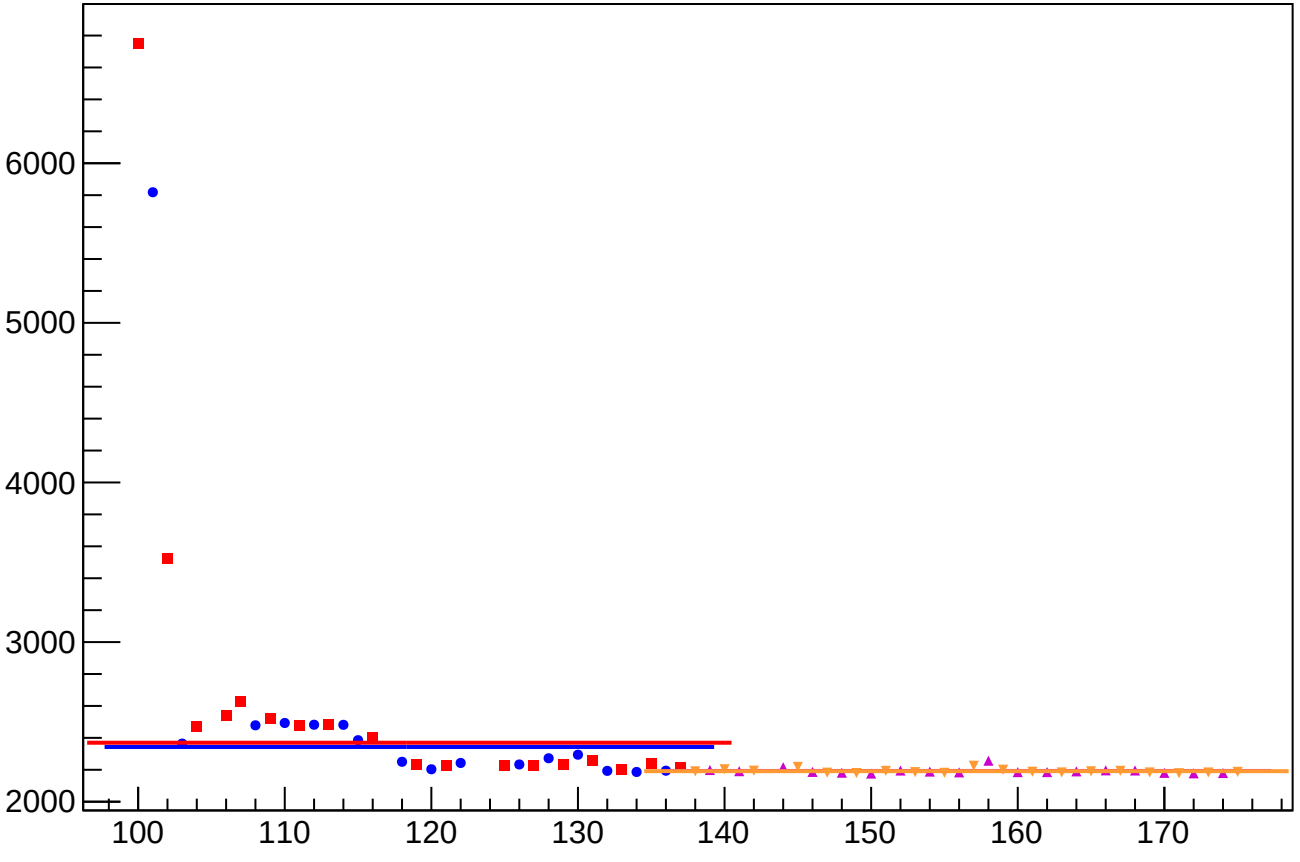
Left In: -4127.236+/-568.391 χ^2/NDF:30.1/17

+ sign 4023.830+/-476.217 χ^2/NDF: 32.2/34

All: -8.165+/-337.752 χ^2/NDF: 222.1/70

- sign -4089.187+/-479.103 χ^2/NDF: 45.7/35

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.347+/-0.399 χ^2/NDF:971.3/18

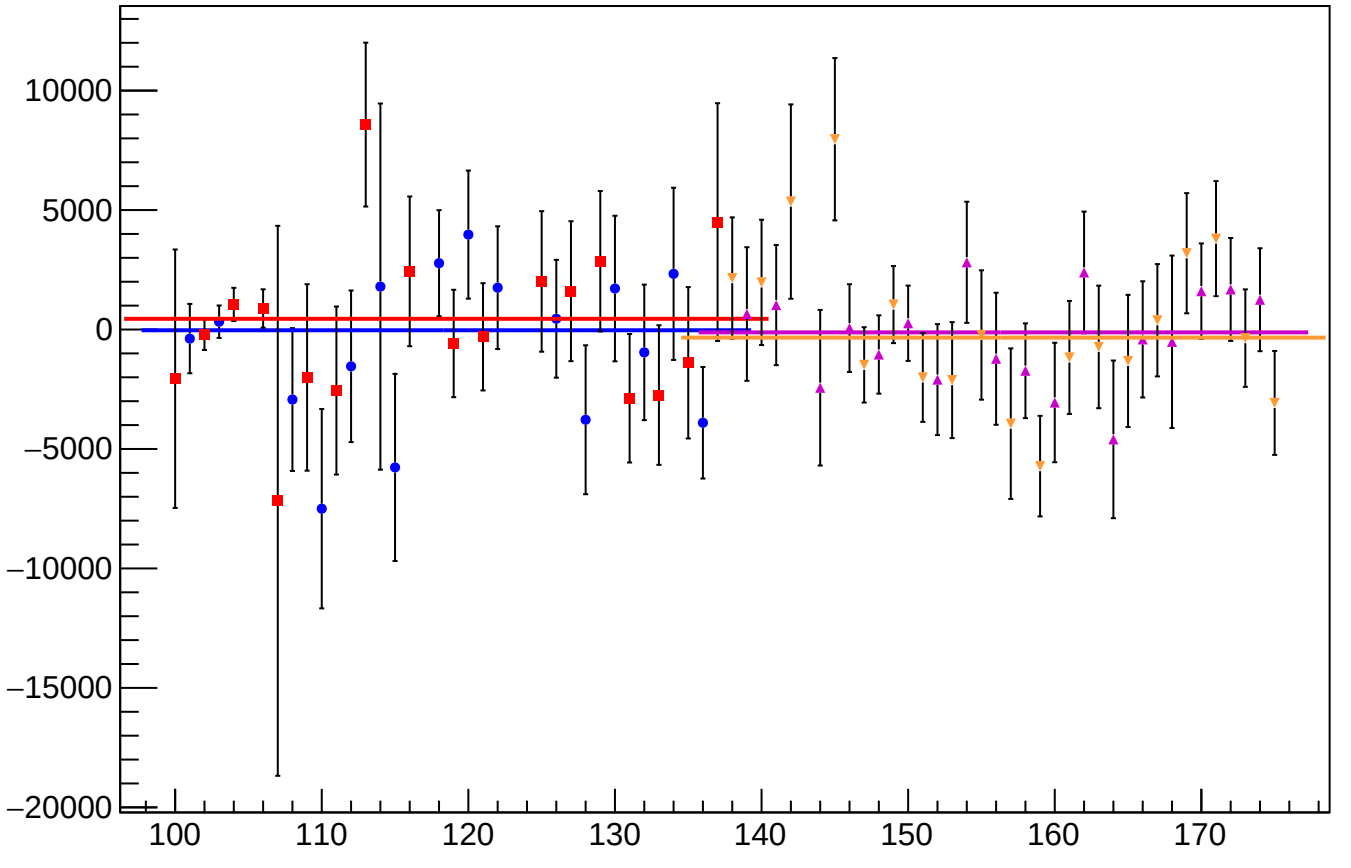
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2192.599+/-0.402 χ^2/NDF:2058.9/17

+ sign 2235.126+/-0.337 χ^2/NDF: 545452.8/34

All: 2239.453+/-0.239 χ^2/NDF: 814122.4/70

- sign 2243.833+/-0.339 χ^2/NDF: 268337.3/35



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -339.490+/-528.486 χ^2/NDF:27.0/18

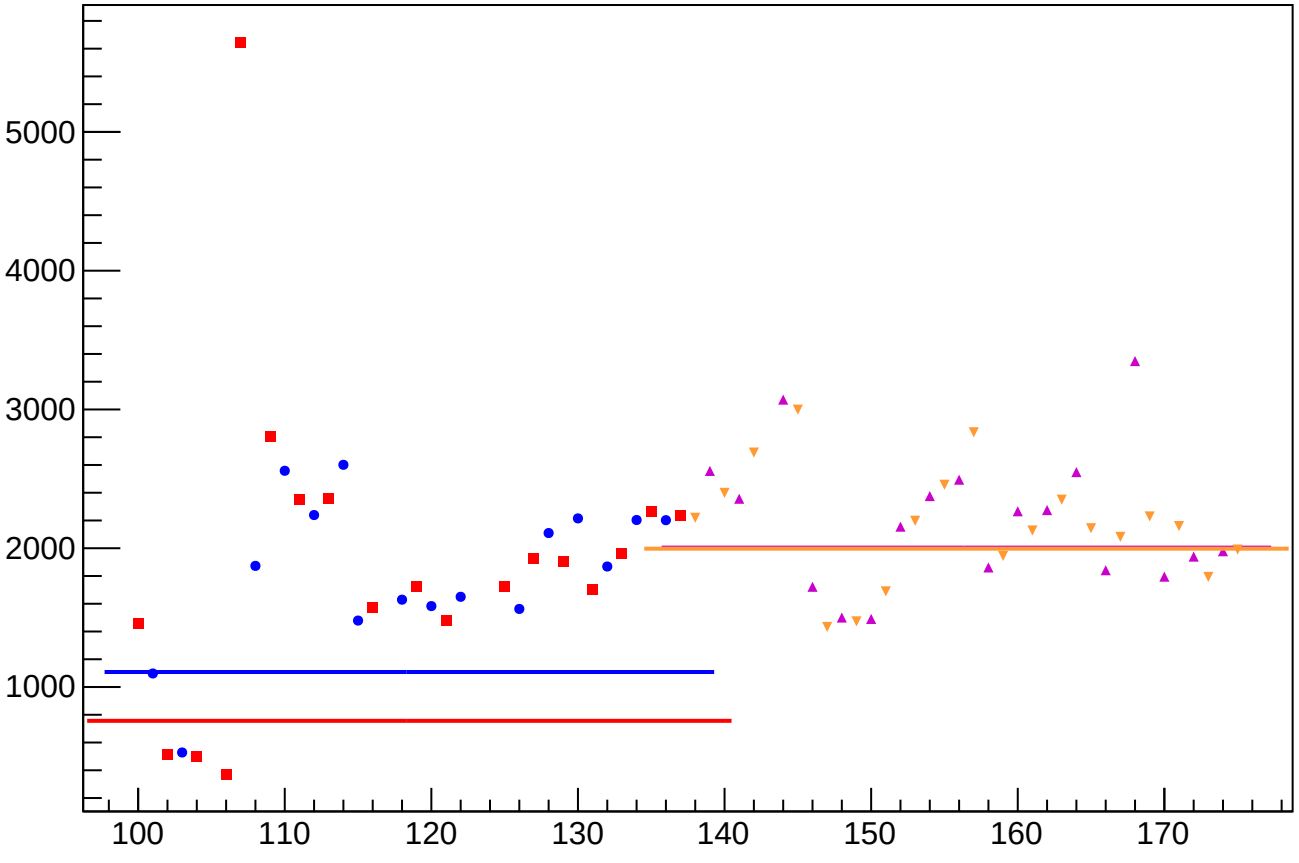
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -119.648+/-533.599 χ^2/NDF:10.1/17

+ sign -172.350+/-357.464 χ^2/NDF: 43.5/34

All: 86.615+/-229.748 χ^2/NDF: 70.4/70

- sign 268.880+/-299.891 χ^2/NDF: 26.0/35



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1996.883+/-0.374 χ^2/NDF:1128966.5/18

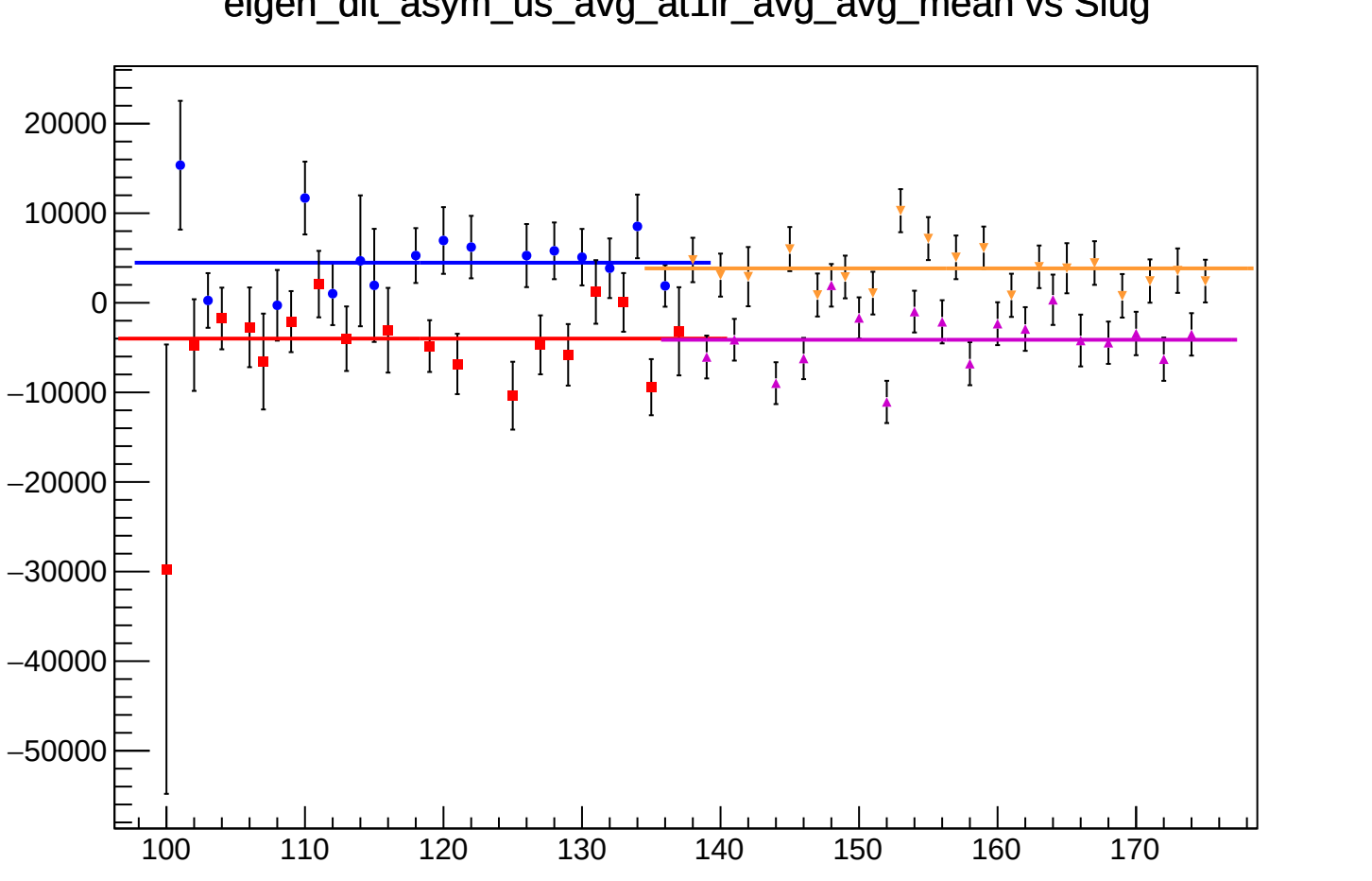
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2004.425+/-0.377 χ^2/NDF:1315028.7/17

+ sign 1514.746+/-0.253 χ^2/NDF: 7943825.9/34

All: 1301.033+/-0.162 χ^2/NDF: 23564828.1/7

- sign 1150.617+/-0.212 χ^2/NDF: 14402990.9/35



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3840.003+/-564.704 χ^2/NDF:18.3/18

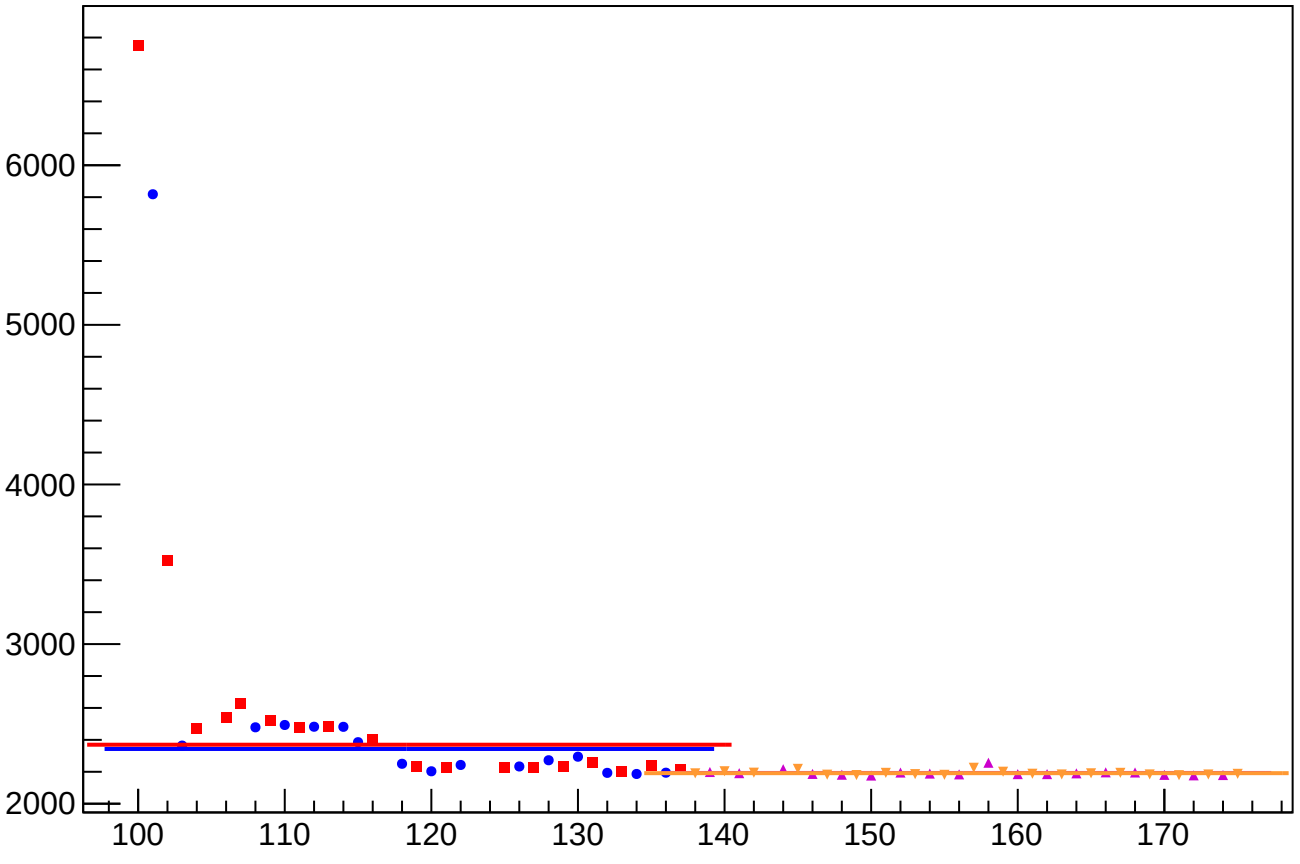
Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: -4127.237+/-568.391 χ^2/NDF:30.1/17

+ sign 4023.827+/-476.217 χ^2/NDF: 32.2/34

All: -8.166+/-337.752 χ^2/NDF: 222.1/70

- sign -4089.187+/-479.103 χ^2/NDF: 45.7/35



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.347+/-0.399 χ^2/NDF:971.3/18

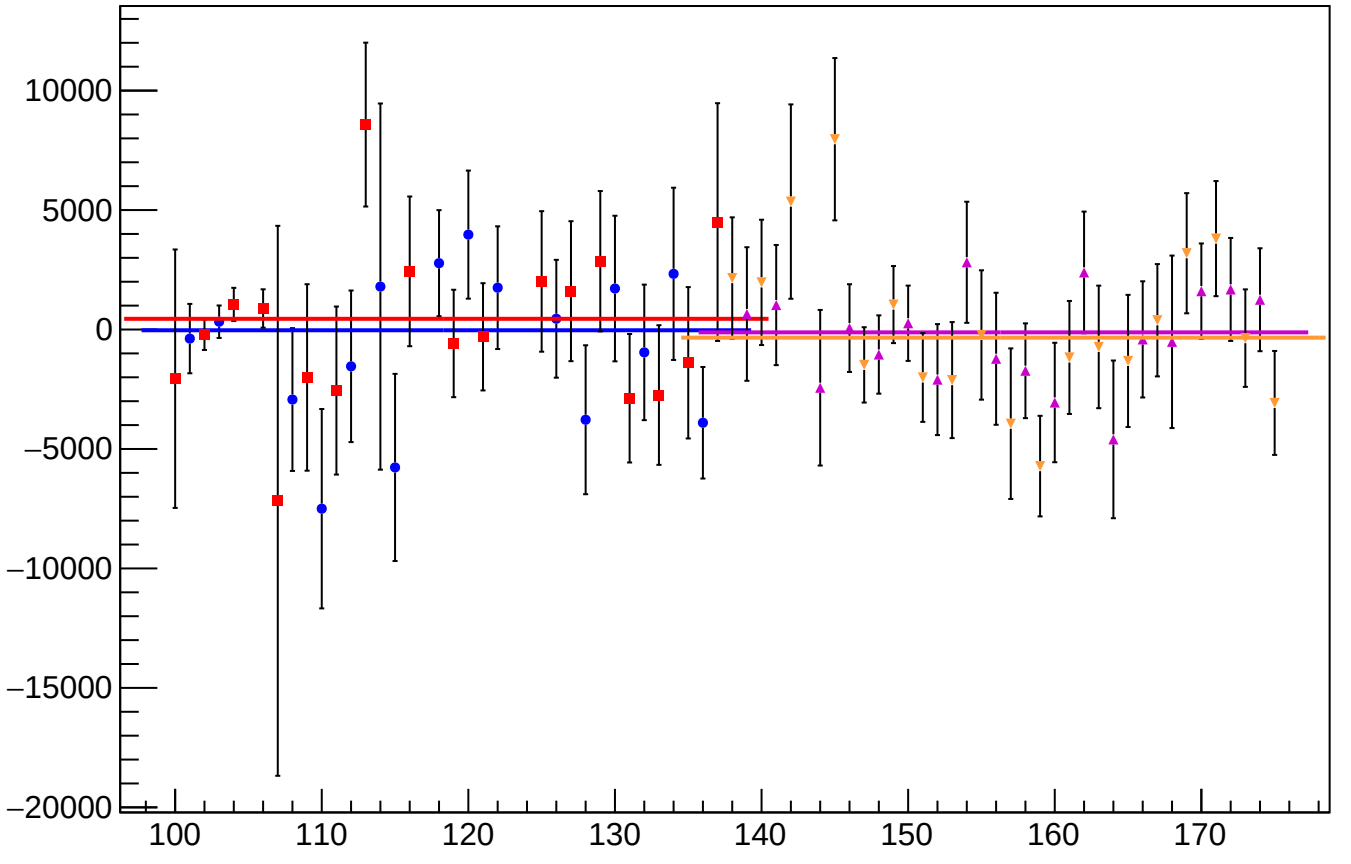
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2192.599+/-0.402 χ^2/NDF:2058.9/17

+ sign 2235.126+/-0.337 χ^2/NDF: 545452.6/34

All: 2239.453+/-0.239 χ^2/NDF: 814120.7/70

- sign 2243.833+/-0.339 χ^2/NDF: 268335.8/35



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -339.495+/-528.487 χ^2/NDF:27.0/18

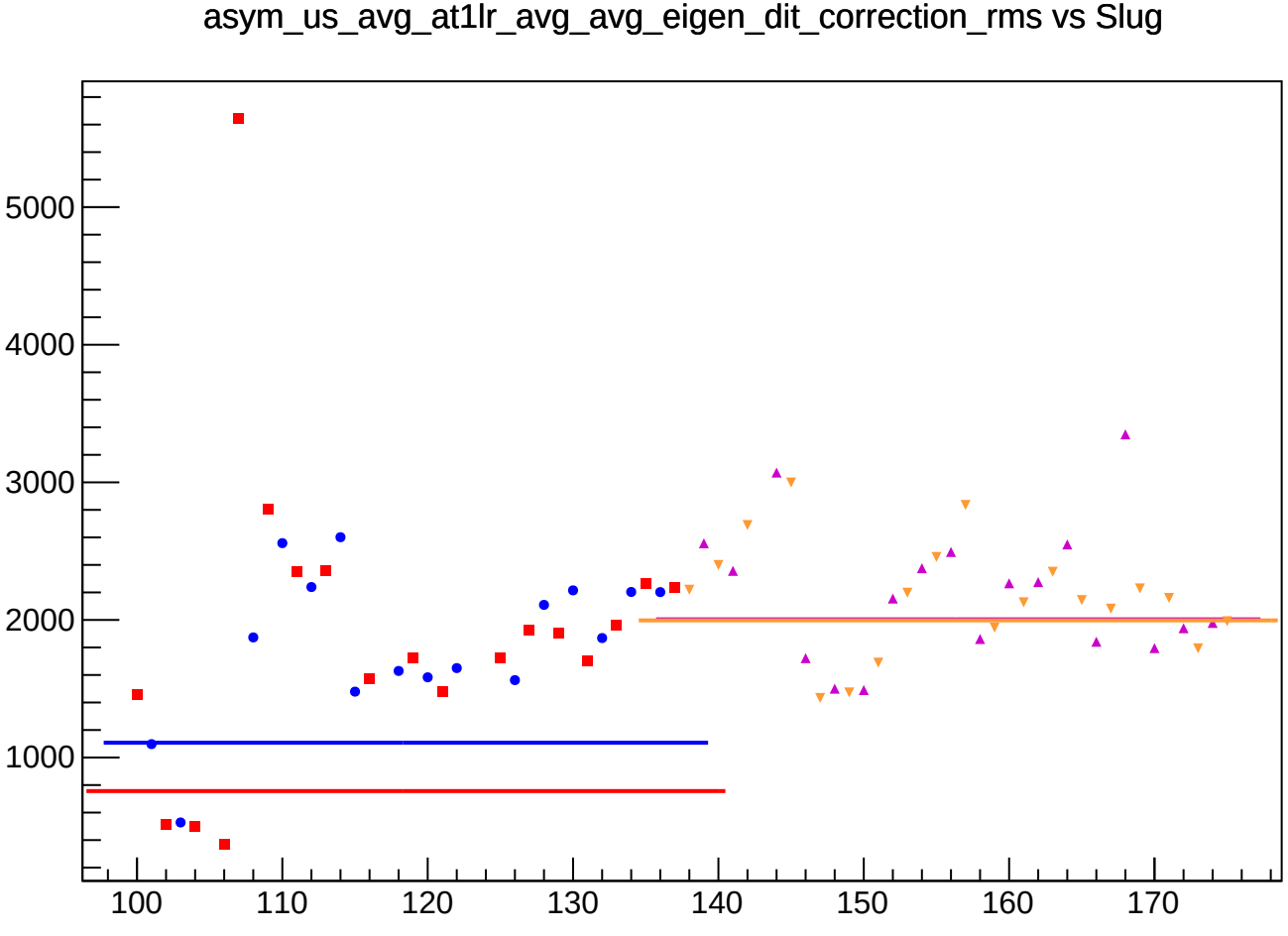
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -119.649+/-533.600 χ^2/NDF:10.1/17

+ sign -172.356+/-357.466 χ^2/NDF: 43.5/34

All: 86.611+/-229.750 χ^2/NDF: 70.4/70

- sign 268.879+/-299.894 χ^2/NDF: 26.0/35



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1996.886+/-0.374 χ^2/NDF:1128966.6/18

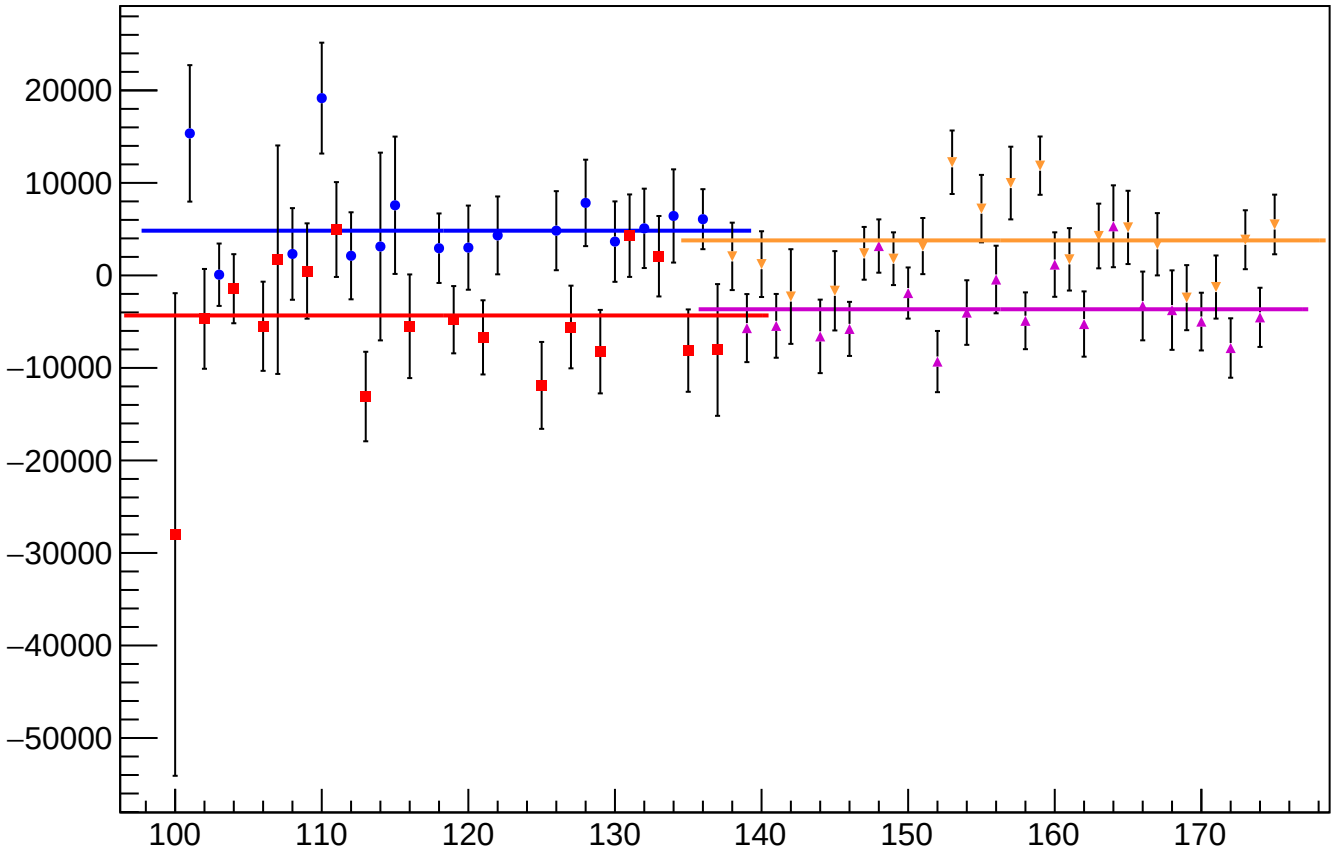
Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2004.428+/-0.377 χ^2/NDF:1315027.7/17

+ sign 1514.755+/-0.253 χ^2/NDF: 7943687.4/34

All: 1301.048+/-0.162 χ^2/NDF: 23564278.2/7

- sign 1150.635+/-0.212 χ^2/NDF: 14402654.8/35



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3784.072+/-787.946 χ^2/NDF:26.6/18

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

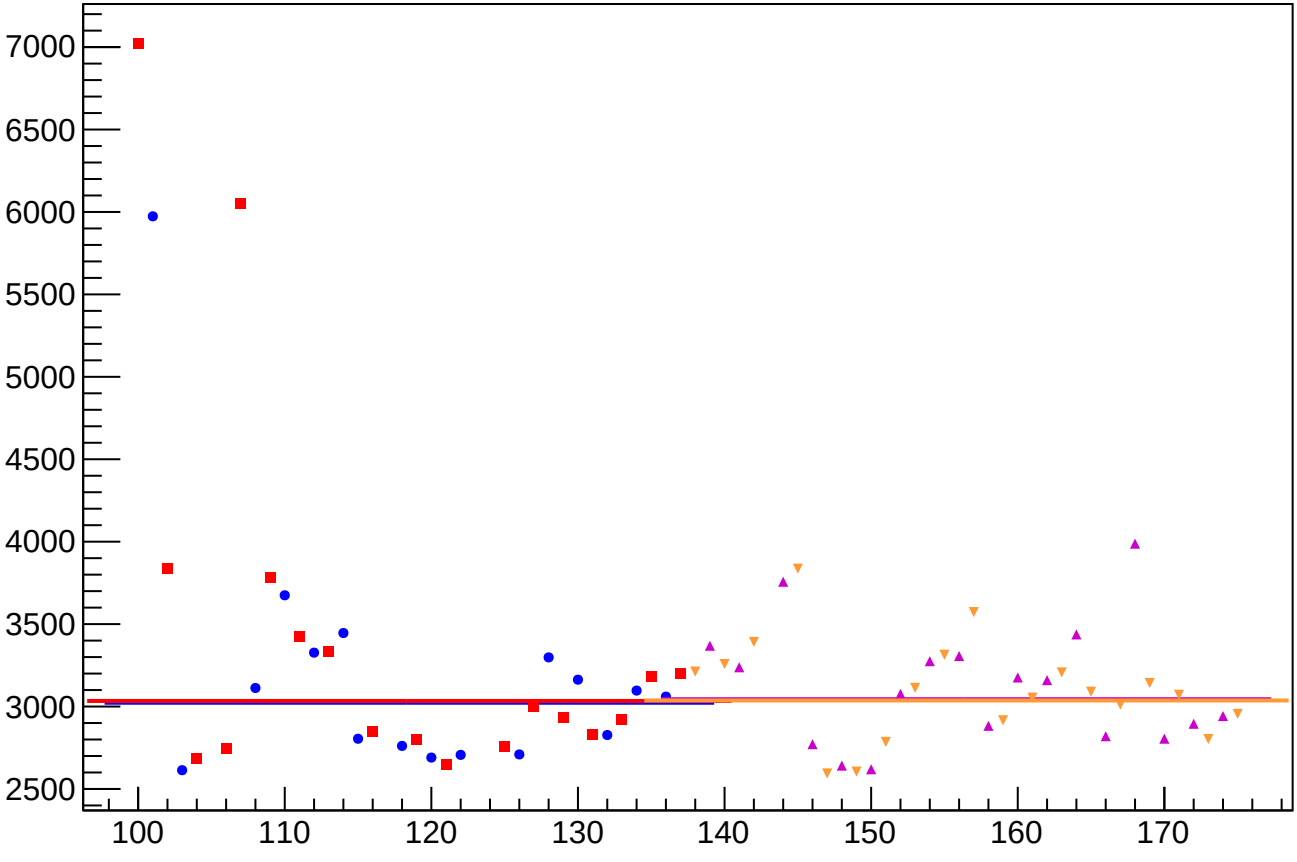
Left In: -3658.774+/-795.050 χ^2/NDF:19.7/17

+ sign 4122.418+/-648.650 χ^2/NDF: 38.9/34

All: 149.360+/-460.184 χ^2/NDF: 154.3/70

- sign -3876.788+/-652.969 χ^2/NDF: 39.9/35

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3036.830+/-0.557 χ^2/NDF:271240.4/18

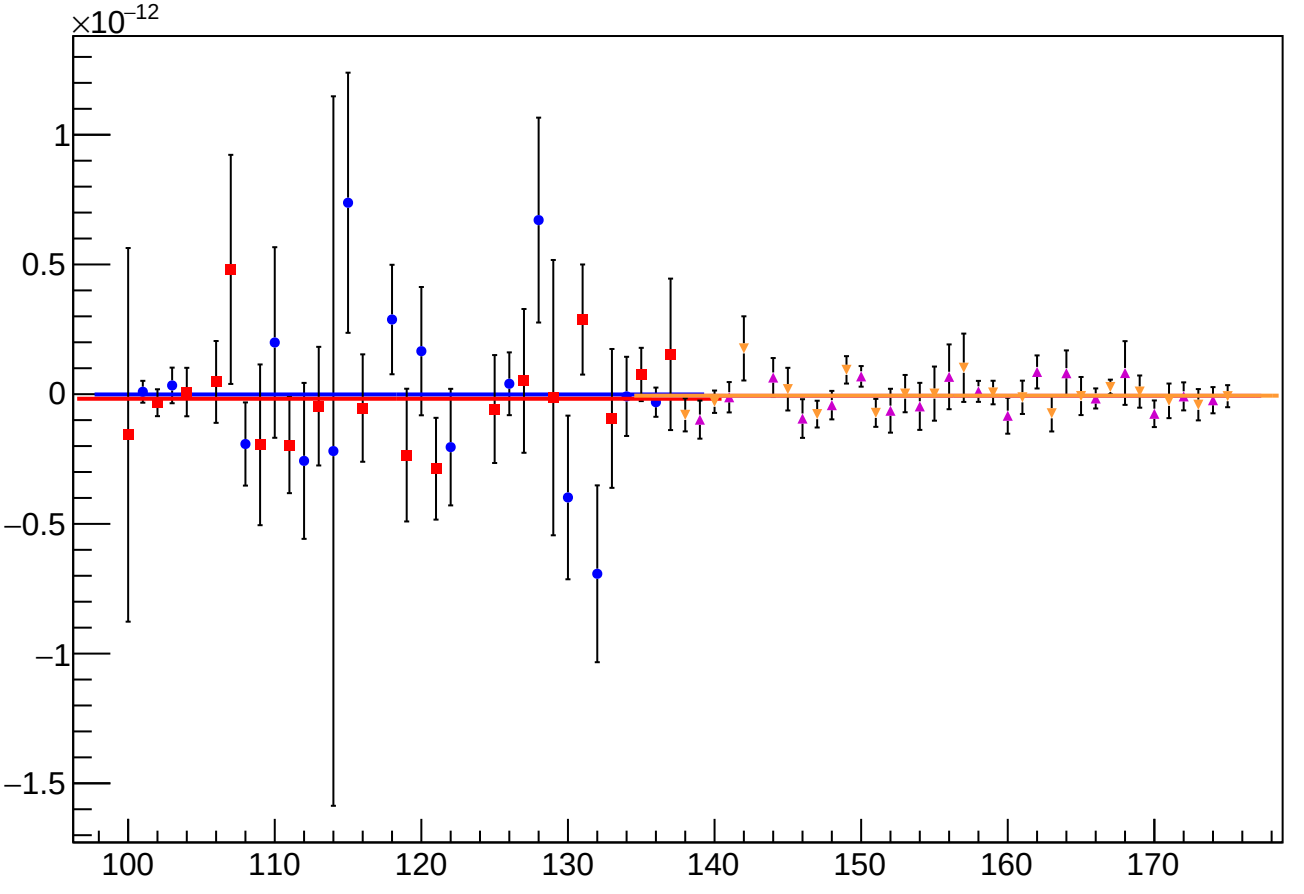
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3044.461+/-0.562 χ^2/NDF:357411.3/17

+ sign 3032.394+/-0.459 χ^2/NDF: 715142.9/34

All: 3036.675+/-0.325 χ^2/NDF: 1415519.7/70

- sign 3041.013+/-0.462 χ^2/NDF: 700201.5/35



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/18

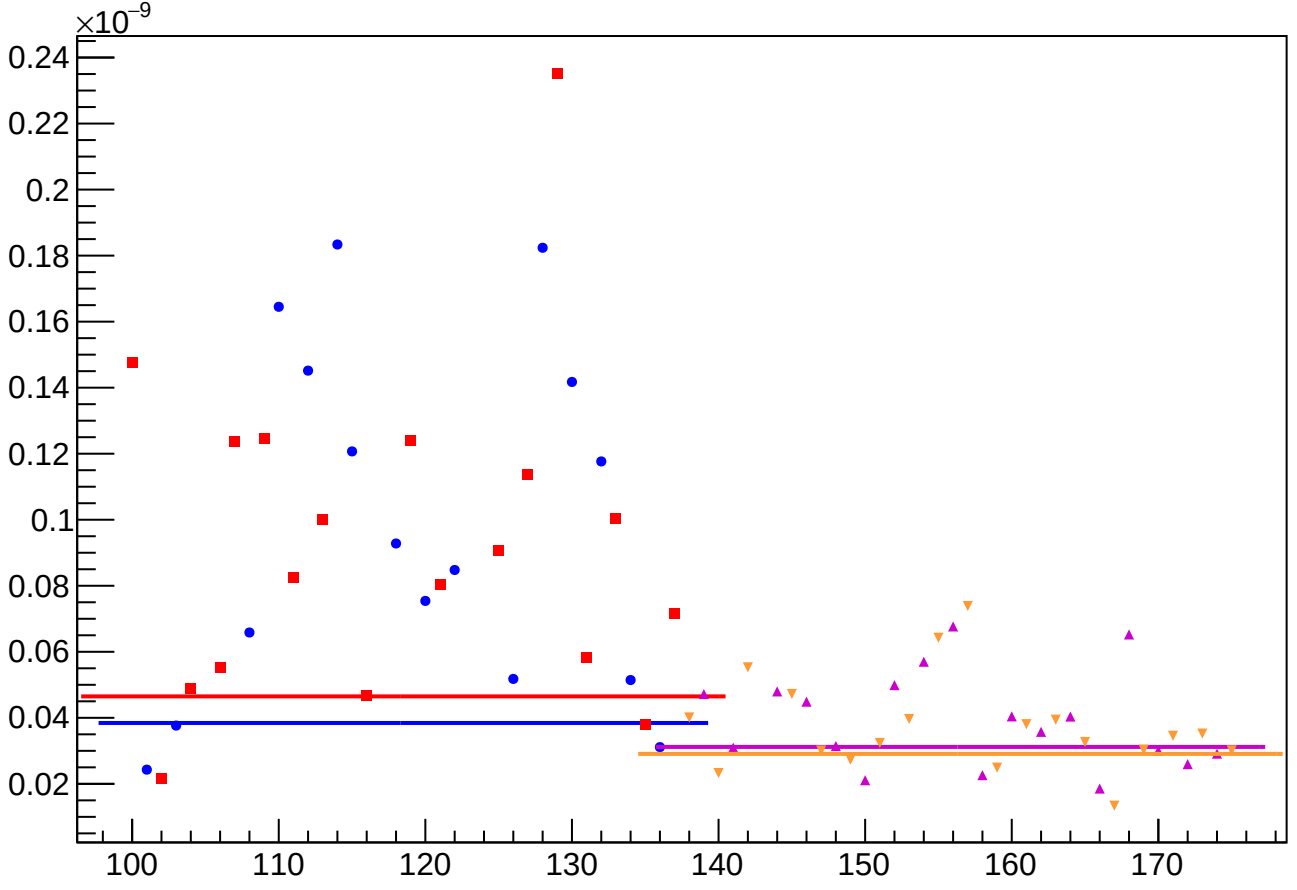
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:15.8/17

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/34

All: -0.000+/-0.000 χ^2/NDF: 56.5/70

- sign -0.000+/-0.000 χ^2/NDF: 24.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1550687.6/18

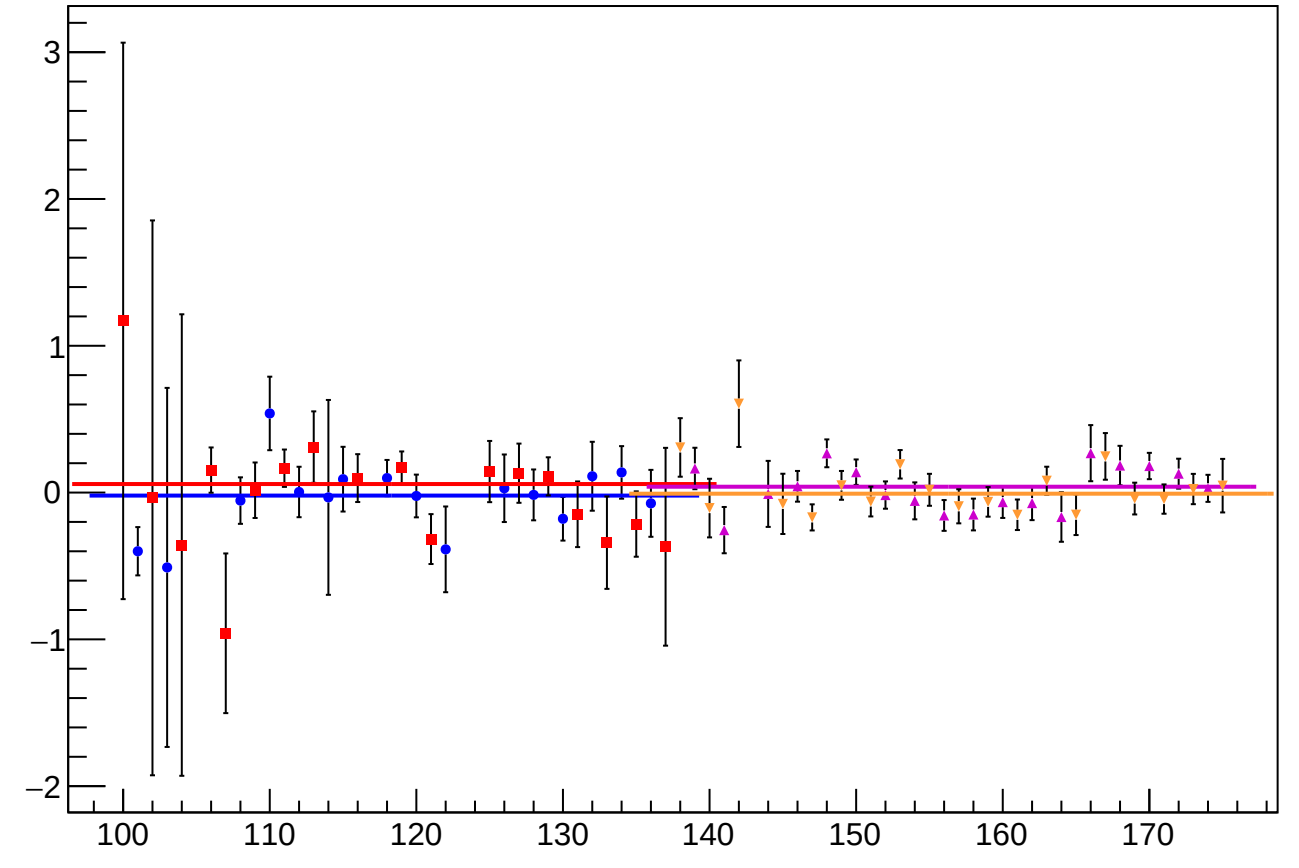
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1369633.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 3515709.4/34

All: 0.000+/-0.000 χ^2/NDF: 6964192.1/70

- sign 0.000+/-0.000 χ^2/NDF: 3405177.6/35



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.027 χ^2/NDF:23.1/18

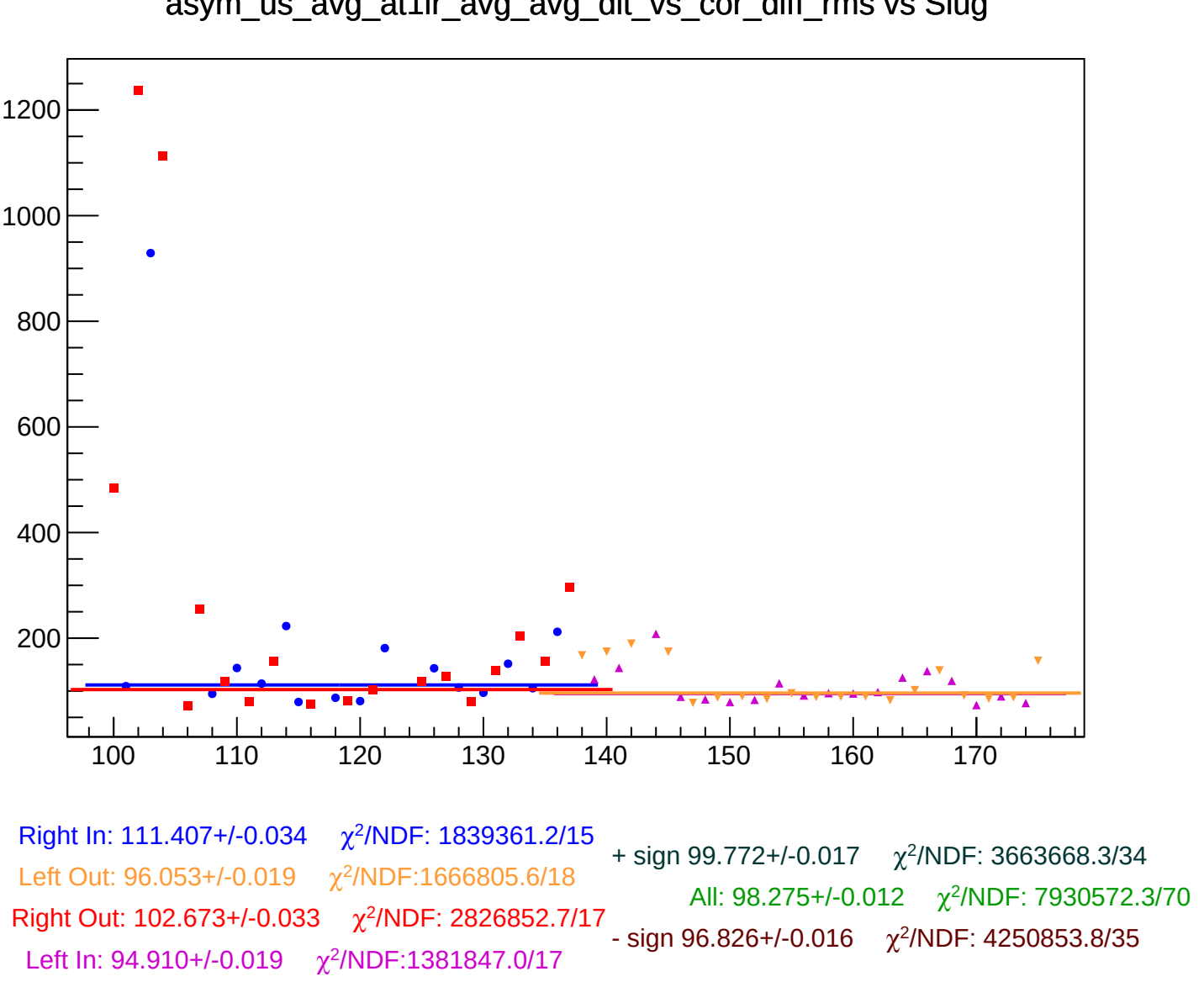
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.040+/-0.027 χ^2/NDF:28.1/17

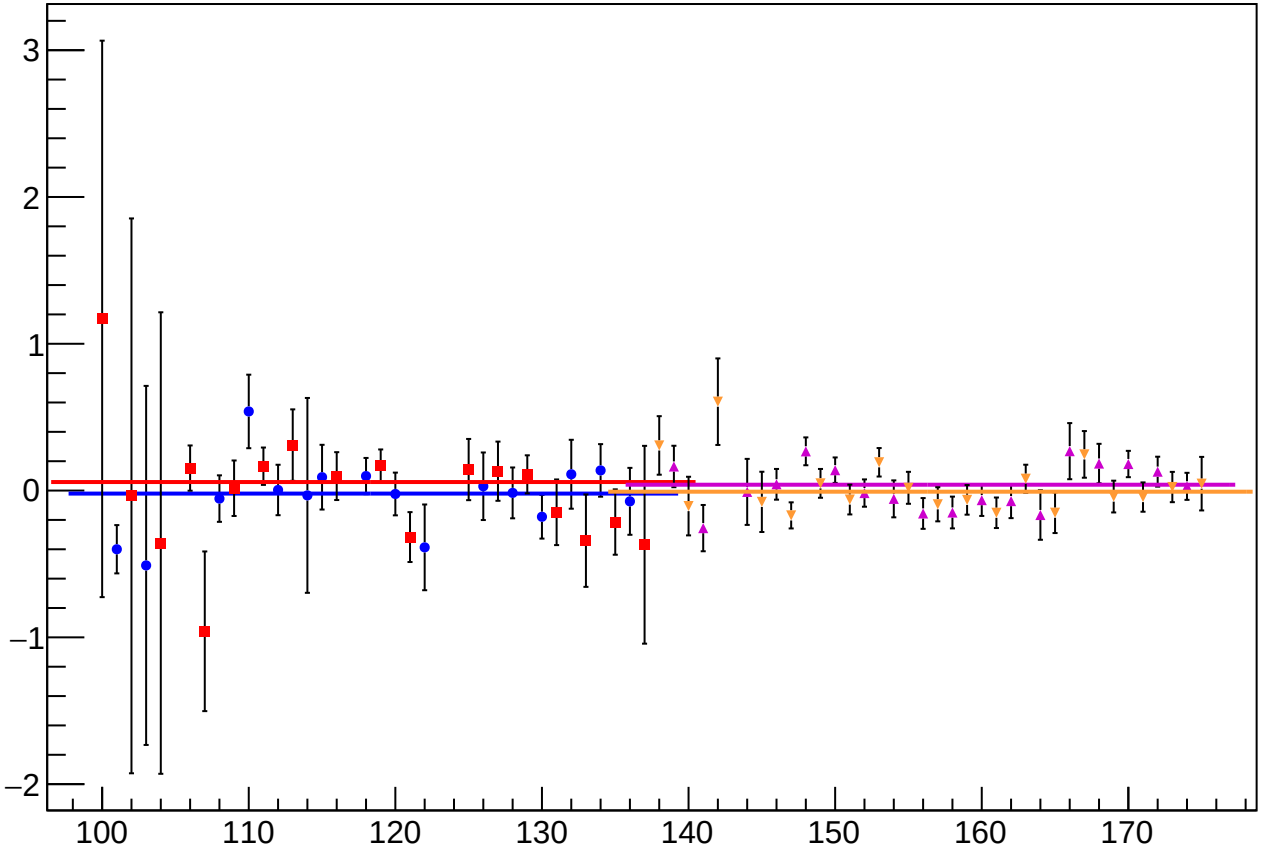
+ sign -0.011+/-0.023 χ^2/NDF: 38.7/34

All: 0.017+/-0.016 χ^2/NDF: 86.6/70

- sign 0.044+/-0.023 χ^2/NDF: 45.1/35


asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 96.053+/-0.019 χ²/NDF:1666805.6/18
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 94.910+/-0.019 χ²/NDF:1381847.0/17
+ sign 99.772+/-0.017 χ²/NDF: 3663668.3/34
All: 98.275+/-0.012 χ²/NDF: 7930572.3/70
- sign 96.826+/-0.016 χ²/NDF: 4250853.8/35

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.027 χ^2/NDF:23.1/18

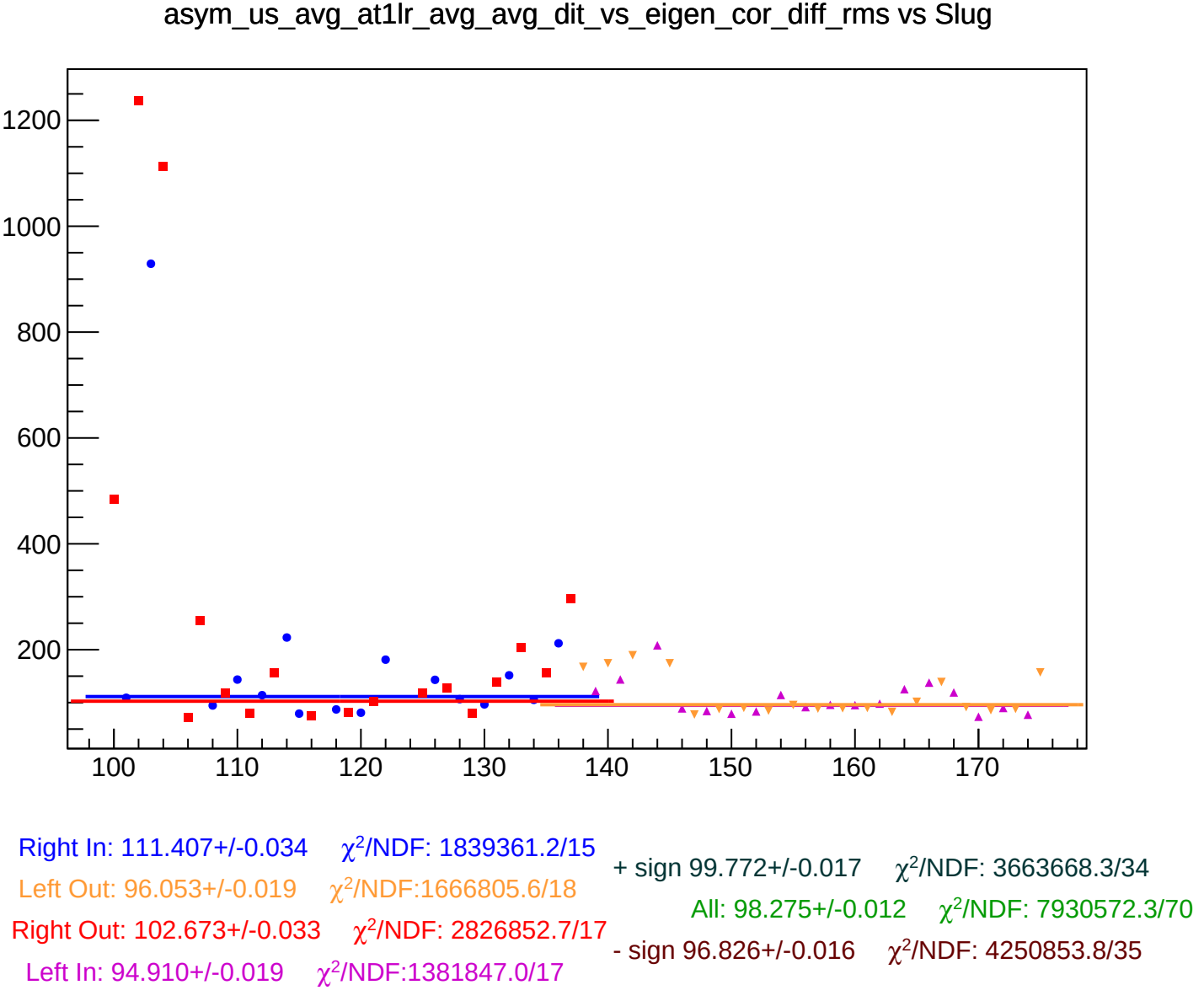
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.040+/-0.027 χ^2/NDF:28.1/17

+ sign -0.011+/-0.023 χ^2/NDF: 38.7/34

All: 0.017+/-0.016 χ^2/NDF: 86.6/70

- sign 0.044+/-0.023 χ^2/NDF: 45.1/35


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
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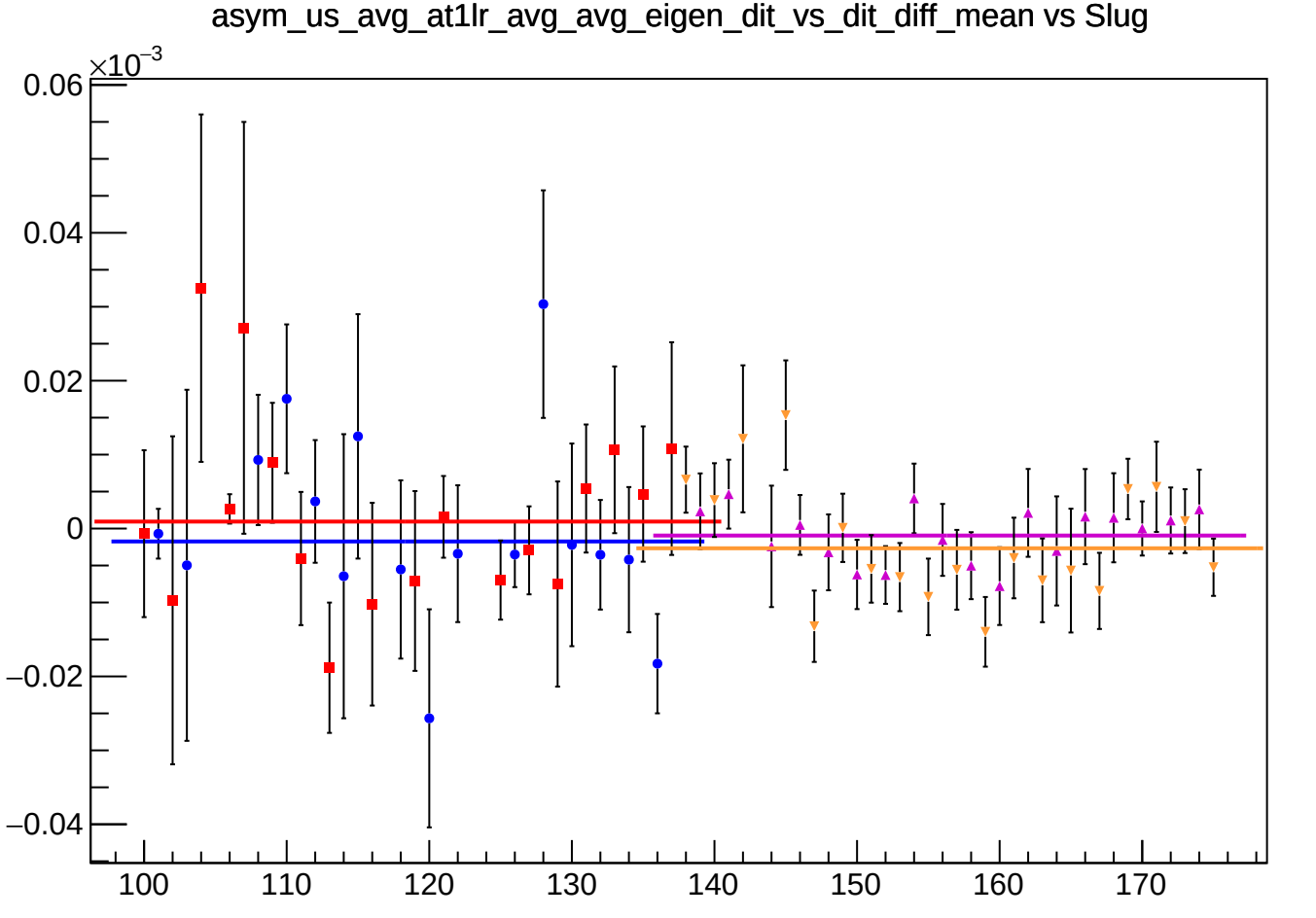
120
130
140
150
160
170
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 96.053+/-0.019 χ²/NDF:1666805.6/18
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 94.910+/-0.019 χ²/NDF:1381847.0/17
+ sign 99.772+/-0.017 χ²/NDF: 3663668.3/34
All: 98.275+/-0.012 χ²/NDF: 7930572.3/70
- sign 96.826+/-0.016 χ²/NDF: 4250853.8/35



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.9/18

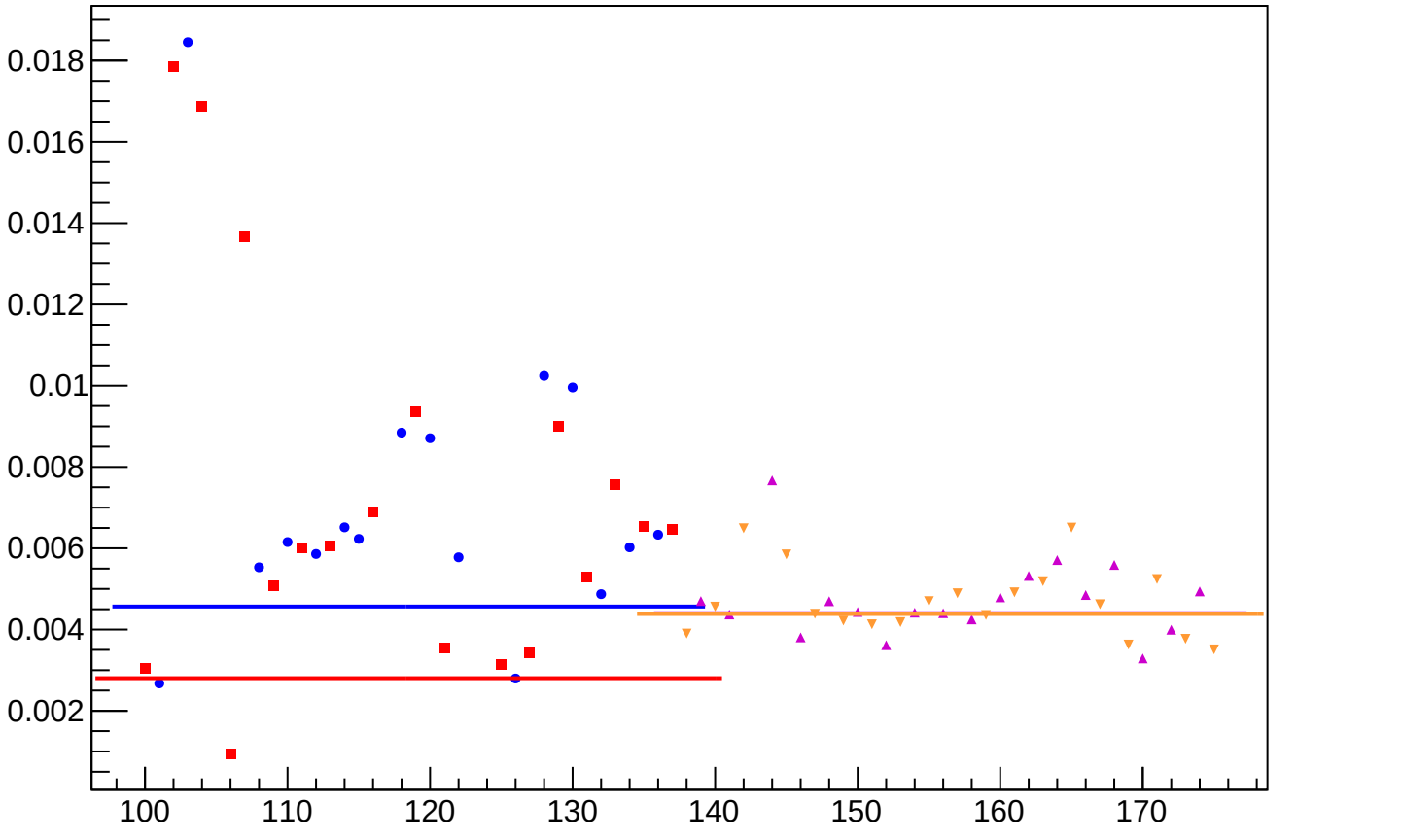
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:10.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 57.1/34

All: -0.000+/-0.000 χ^2/NDF: 86.9/70

- sign -0.000+/-0.000 χ^2/NDF: 27.1/35



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:674227.5/18

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

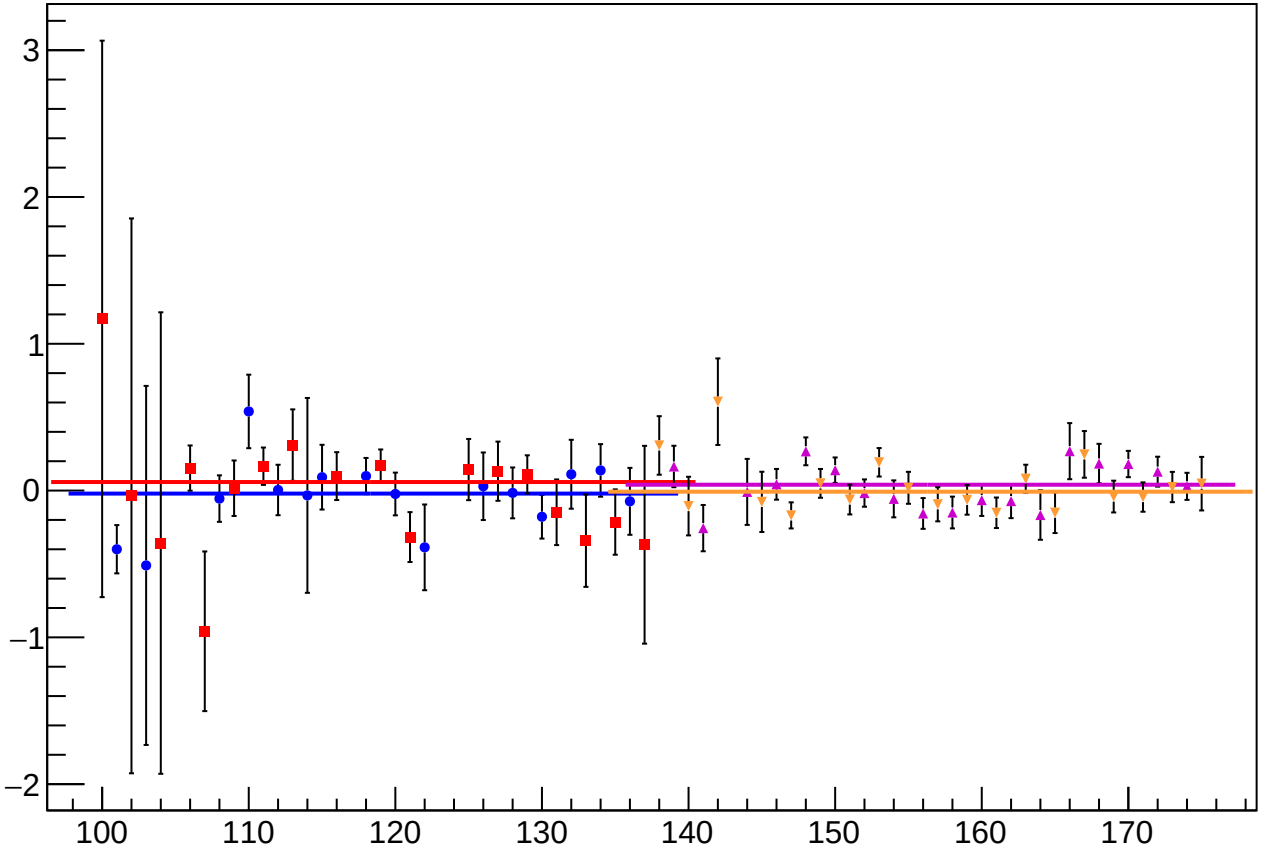
Left In: 0.004+/-0.000 χ^2/NDF:887090.9/17

+ sign 0.004+/-0.000 χ^2/NDF: 3699823.7/34

All: 0.004+/-0.000 χ^2/NDF: 13091825.2/70

- sign 0.004+/-0.000 χ^2/NDF: 8940545.9/35

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.027 χ^2/NDF:23.1/18

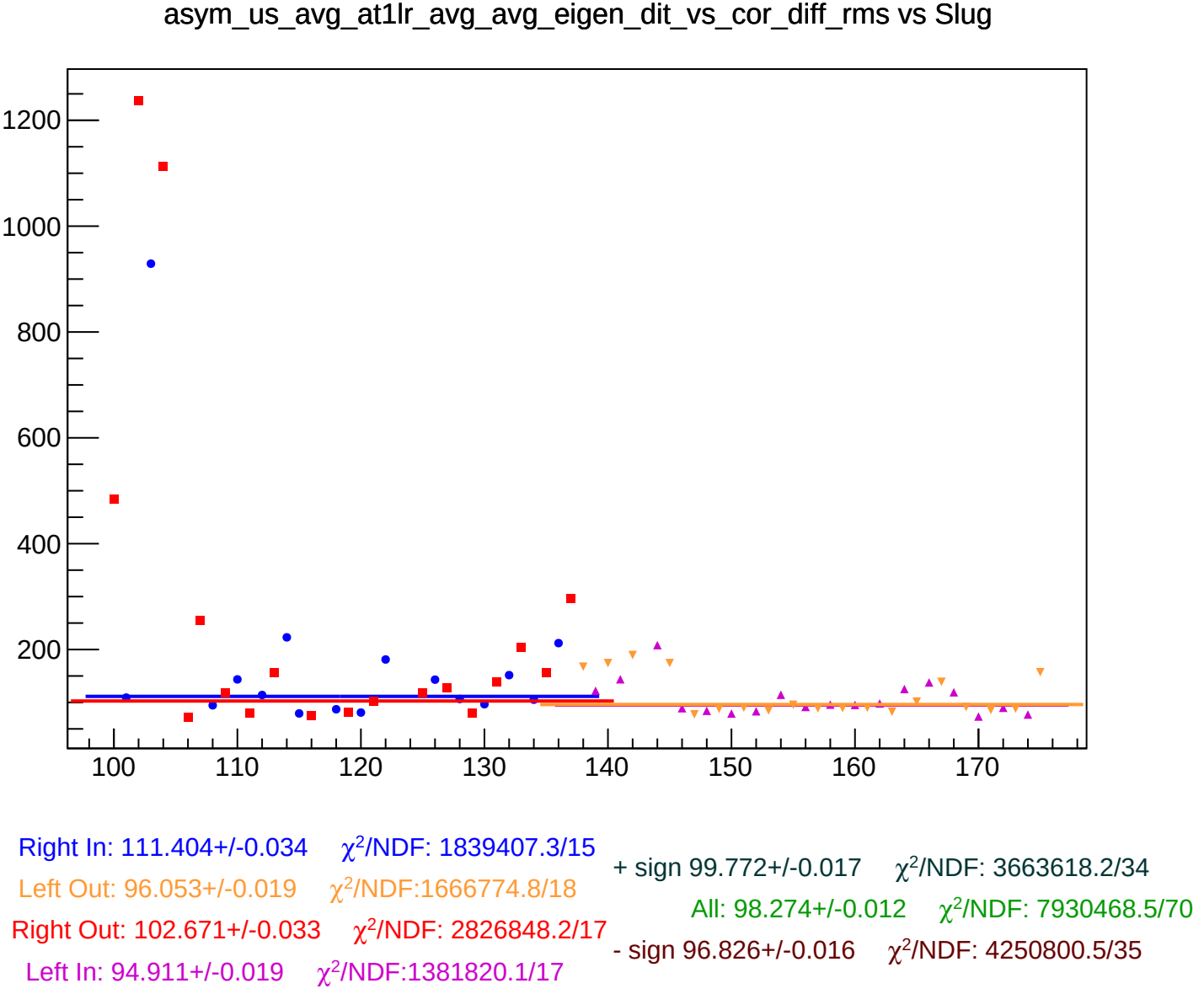
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.040+/-0.027 χ^2/NDF:28.1/17

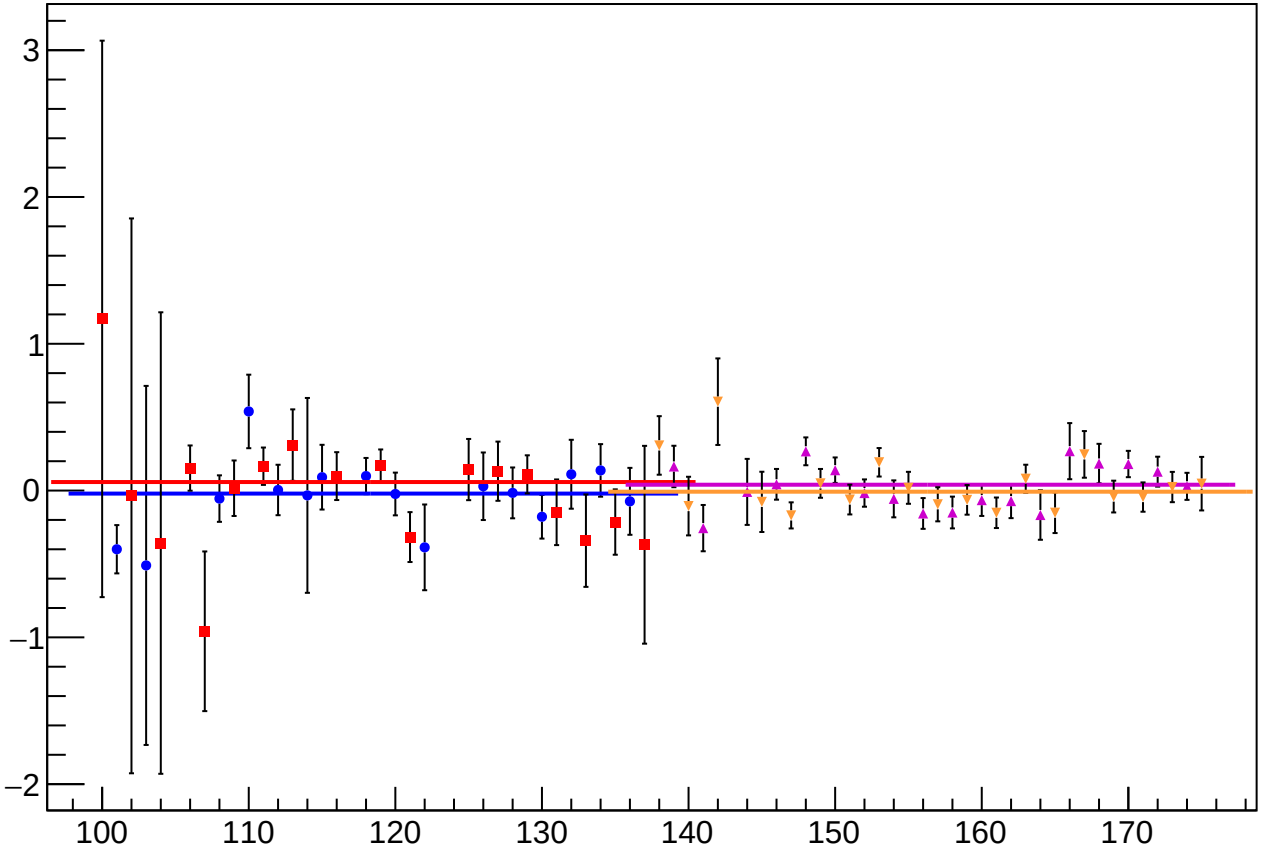
+ sign -0.011+/-0.023 χ^2/NDF: 38.7/34

All: 0.017+/-0.016 χ^2/NDF: 86.6/70

- sign 0.044+/-0.023 χ^2/NDF: 45.0/35


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 96.053+/-0.019 χ²/NDF:1666774.8/18
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 94.911+/-0.019 χ²/NDF:1381820.1/17
+ sign 99.772+/-0.017 χ²/NDF: 3663618.2/34
All: 98.274+/-0.012 χ²/NDF: 7930468.5/70
- sign 96.826+/-0.016 χ²/NDF: 4250800.5/35

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.027 χ^2/NDF:23.1/18

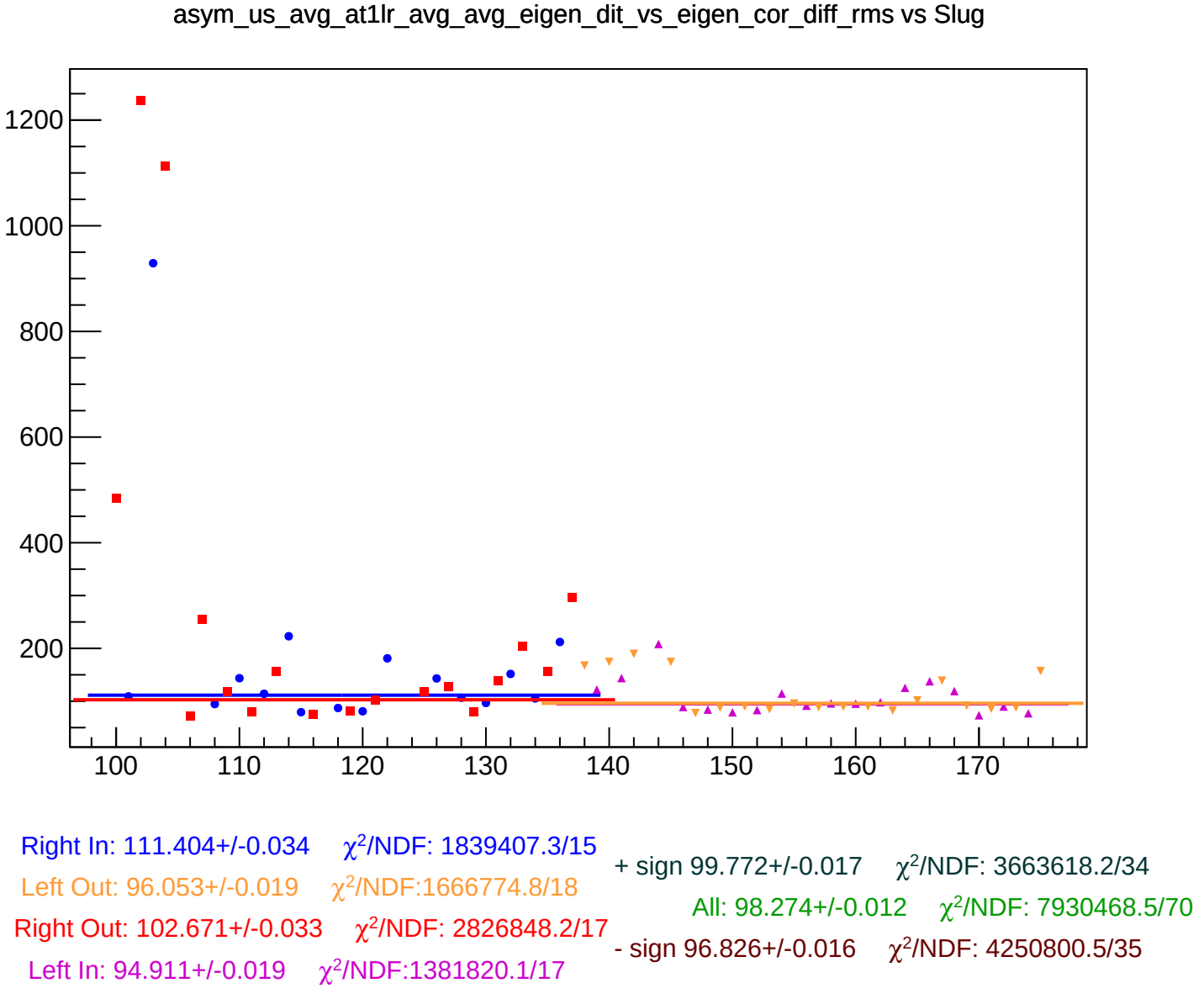
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.040+/-0.027 χ^2/NDF:28.1/17

+ sign -0.011+/-0.023 χ^2/NDF: 38.7/34

All: 0.017+/-0.016 χ^2/NDF: 86.6/70

- sign 0.044+/-0.023 χ^2/NDF: 45.0/35


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
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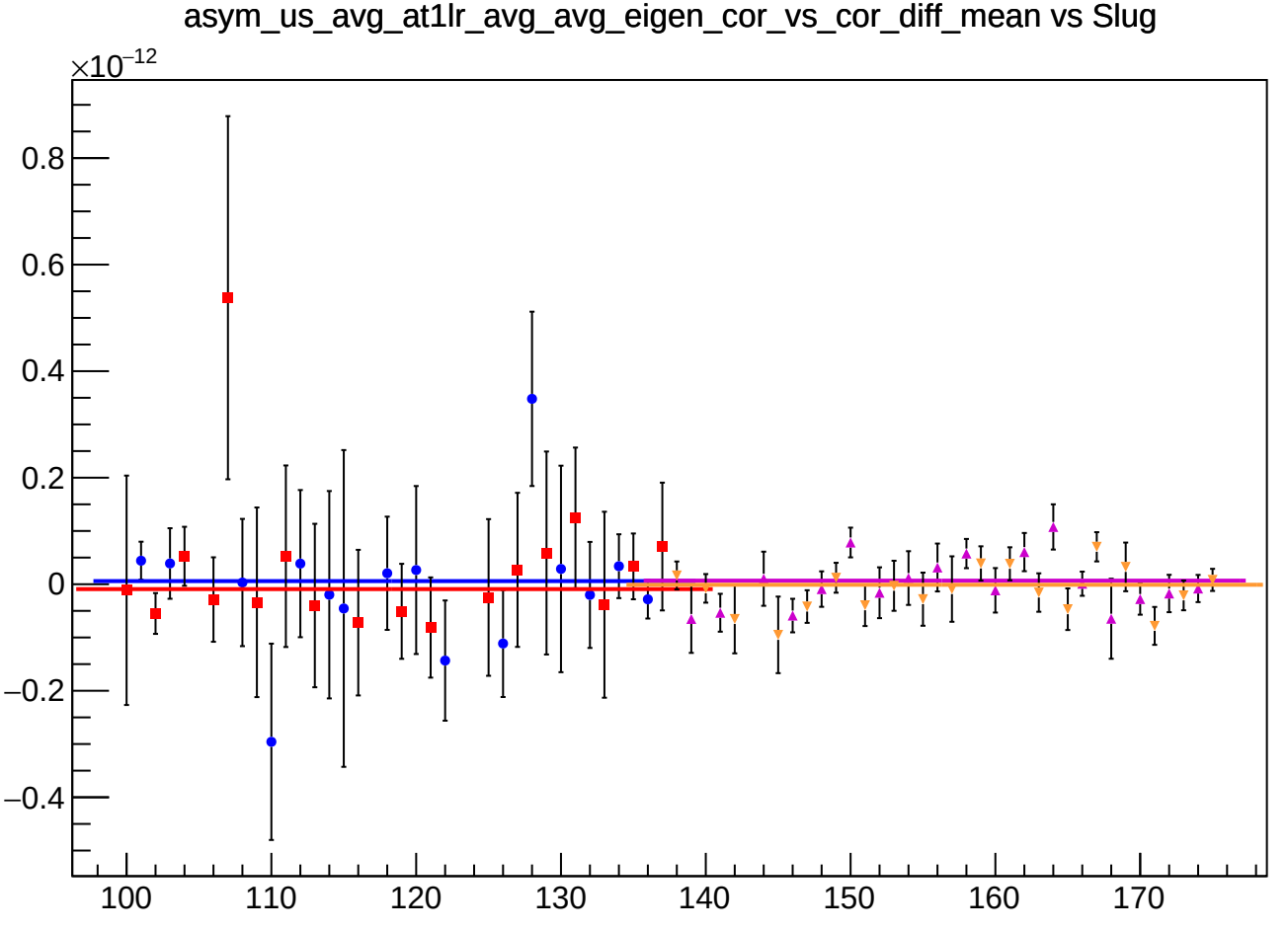
120
130
140
150
160
170
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 96.053+/-0.019 χ²/NDF:1666774.8/18
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 94.911+/-0.019 χ²/NDF:1381820.1/17
+ sign 99.772+/-0.017 χ²/NDF: 3663618.2/34
All: 98.274+/-0.012 χ²/NDF: 7930468.5/70
- sign 96.826+/-0.016 χ²/NDF: 4250800.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/18

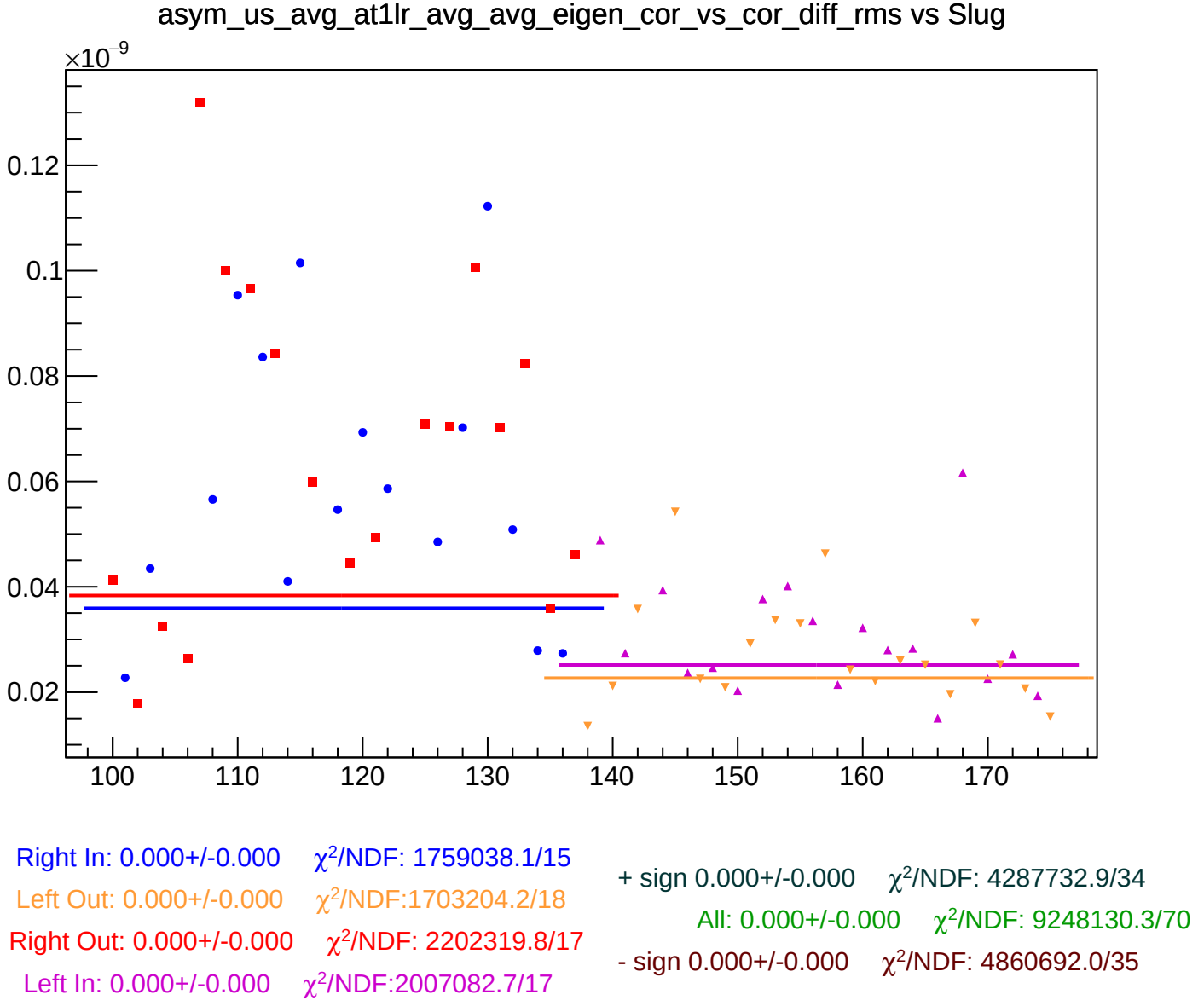
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:30.5/17

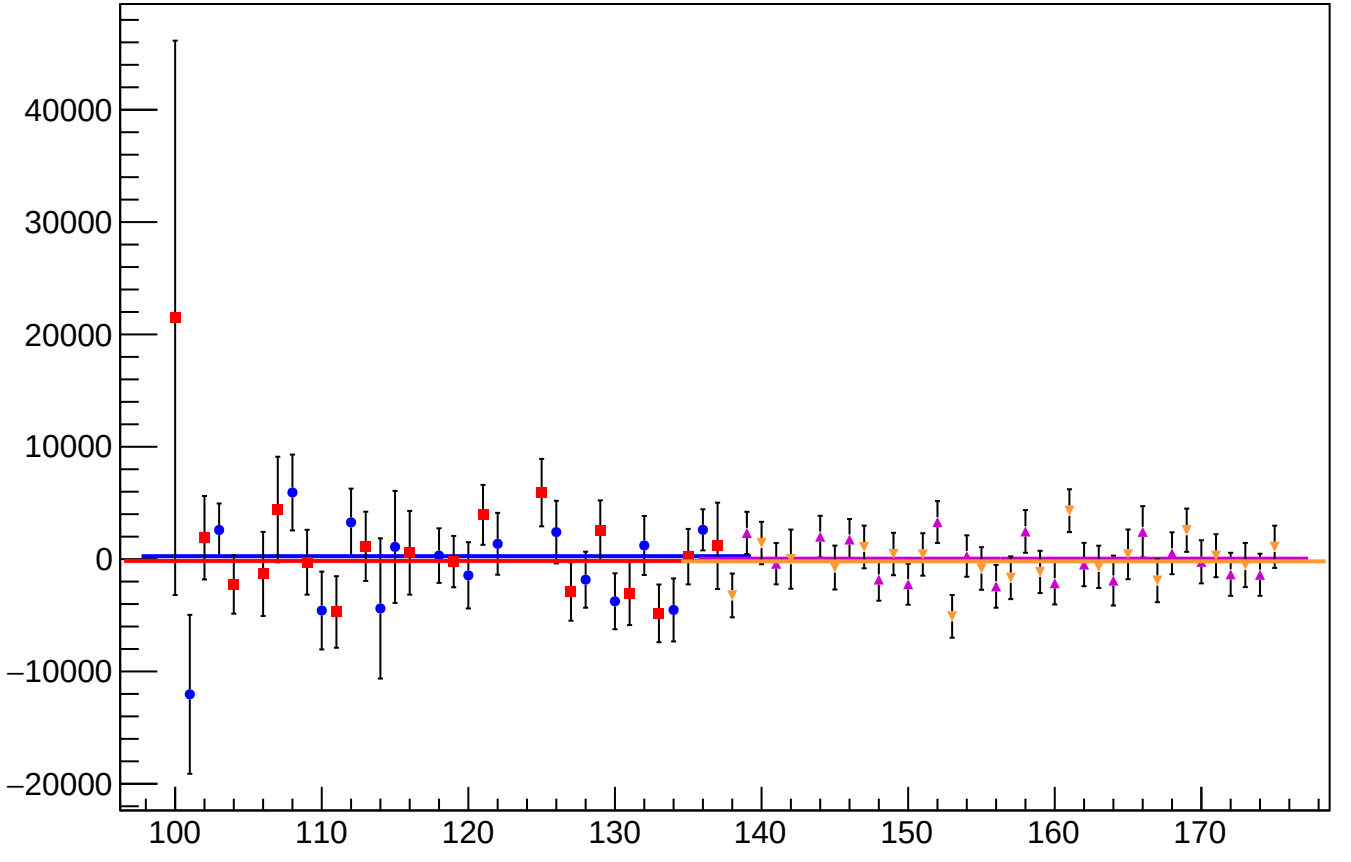
+ sign -0.000+/-0.000 χ^2/NDF: 36.9/34

All: 0.000+/-0.000 χ^2/NDF: 76.7/70

- sign 0.000+/-0.000 χ^2/NDF: 39.6/35


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1703204.2/18
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:2007082.7/17
+ sign 0.000+/-0.000 χ²/NDF: 4287732.9/34
All: 0.000+/-0.000 χ²/NDF: 9248130.3/70
- sign 0.000+/-0.000 χ²/NDF: 4860692.0/35

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -200.669+/-446.476 χ^2/NDF:20.7/18

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

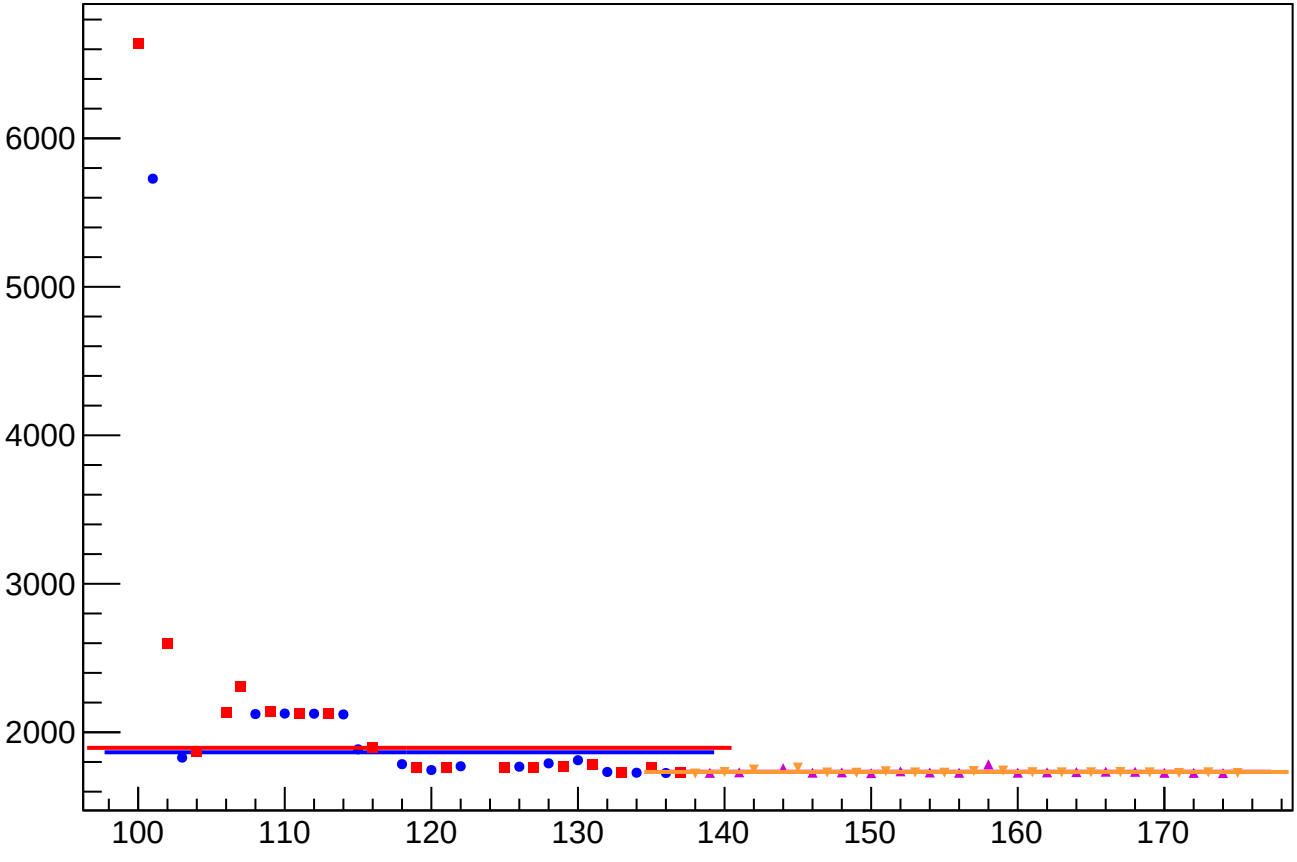
Left In: 37.433+/-449.559 χ^2/NDF:16.9/17

\+ sign -70.187+/-377.912 χ^2/NDF: 40.4/34

All: -44.555+/-268.021 χ^2/NDF: 75.5/70

\- sign -18.616+/-380.175 χ^2/NDF: 35.1/35

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.693+/-0.316 χ^2/NDF:774.5/18

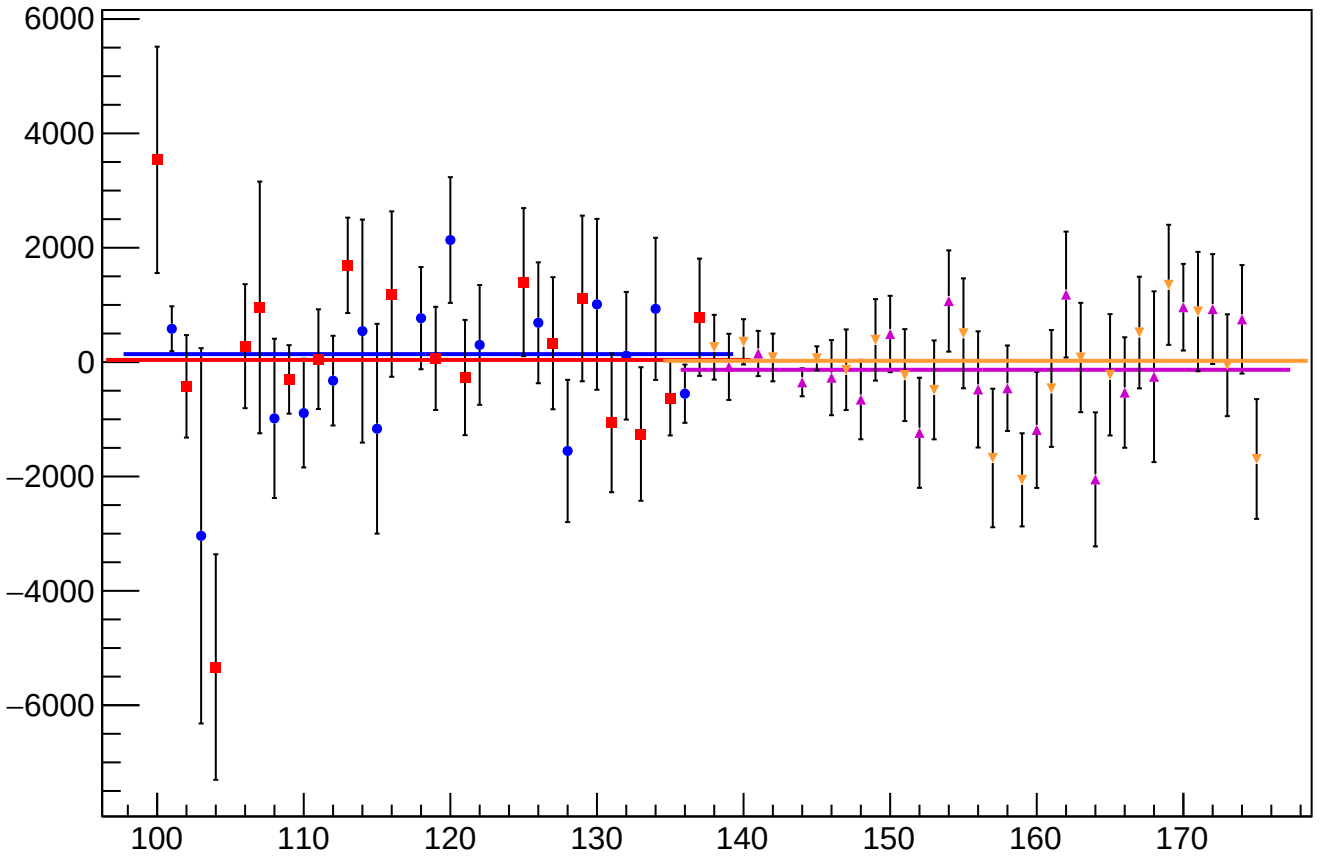
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.272+/-0.318 χ^2/NDF:2006.9/17

+ sign 1770.257+/-0.267 χ^2/NDF: 723427.4/34

All: 1775.163+/-0.190 χ^2/NDF: 1049967.7/70

- sign 1780.127+/-0.269 χ^2/NDF: 325862.3/35



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 22.720+/-133.552 χ^2/NDF:16.0/18

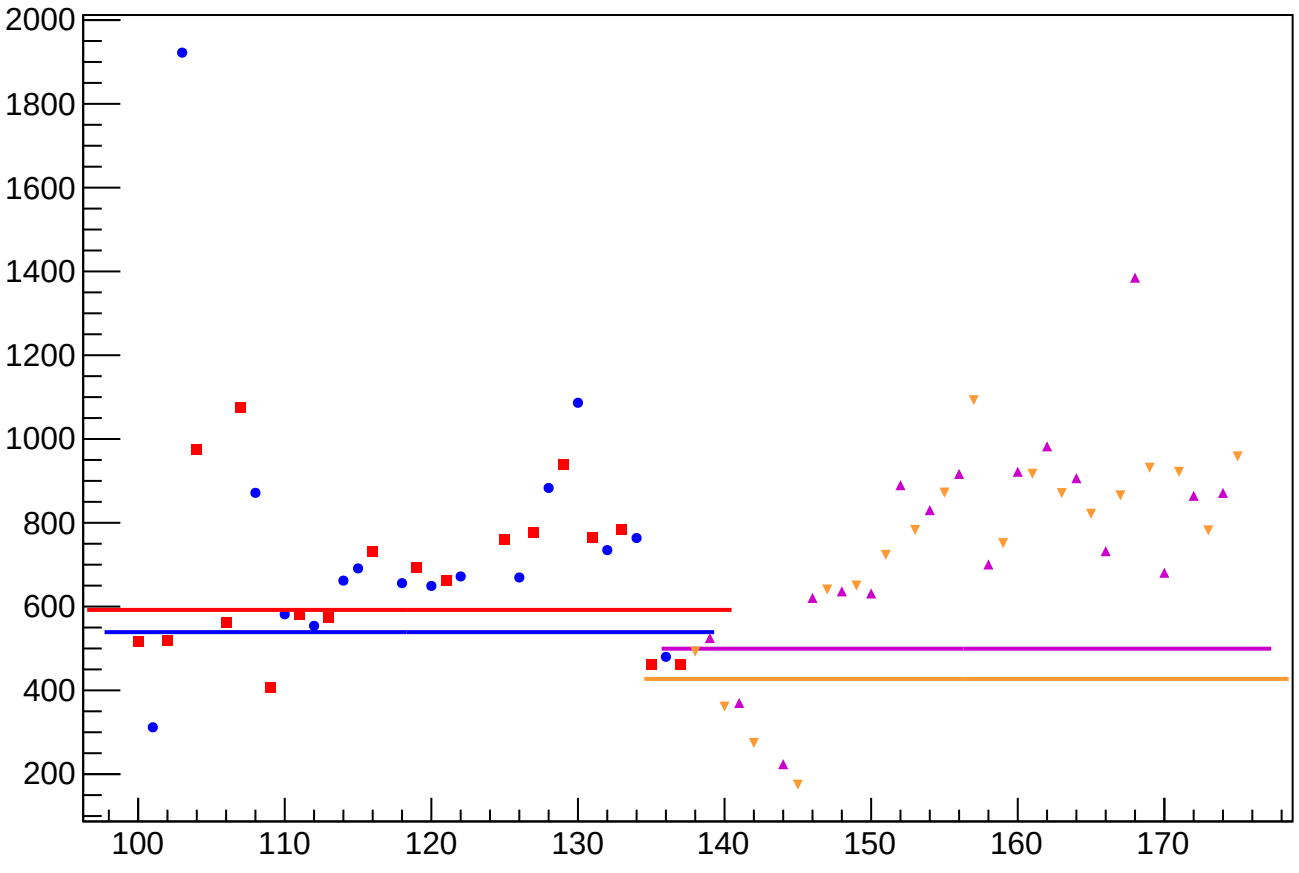
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -134.095+/-147.828 χ^2/NDF:15.8/17

+ sign 54.226+/-114.177 χ^2/NDF: 29.6/34

All: -9.252+/-84.490 χ^2/NDF: 67.9/70

- sign -86.084+/-125.613 χ^2/NDF: 37.6/35



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 427.327+/-0.094 χ^2/NDF:8891808.6/18

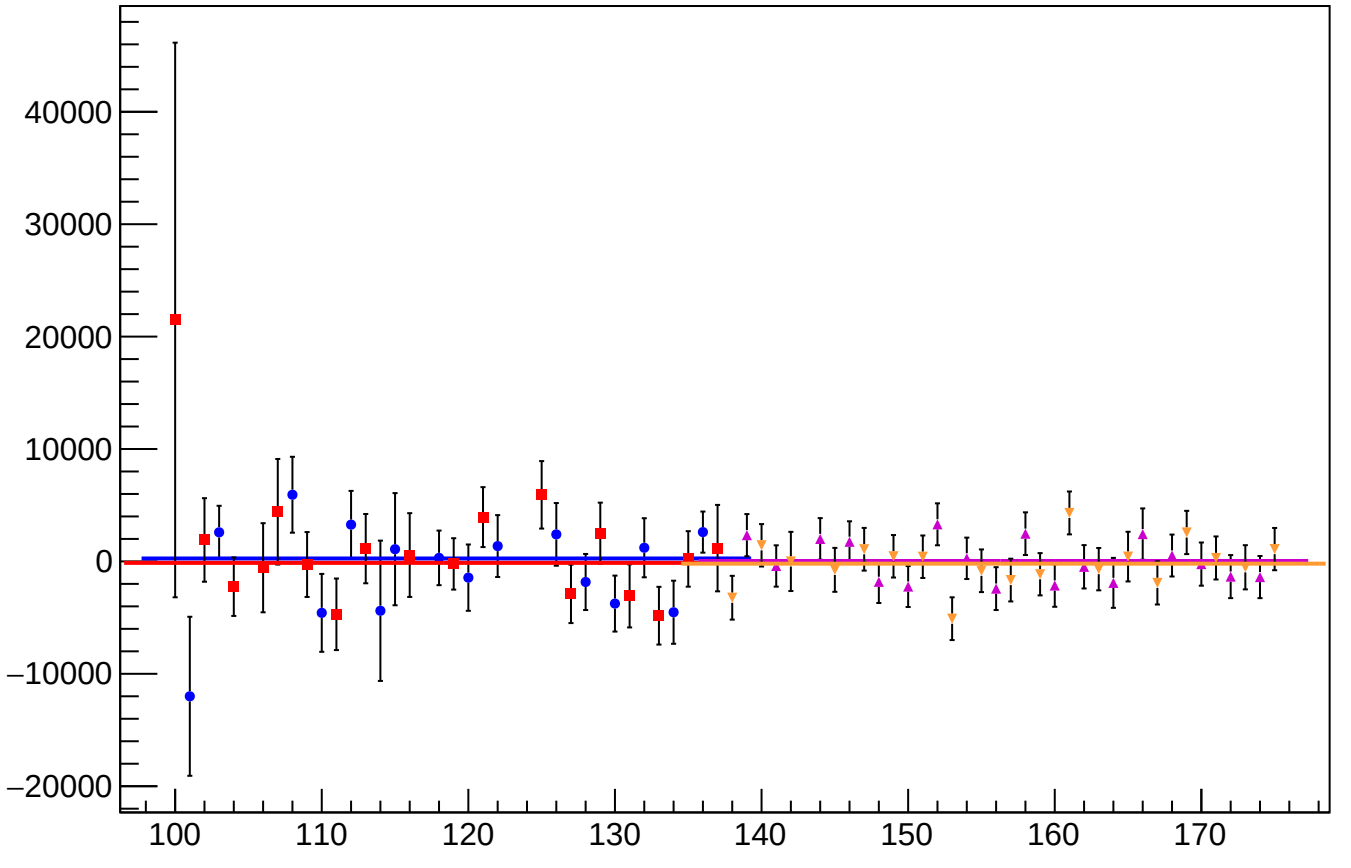
Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 499.487+/-0.105 χ^2/NDF:6563912.1/17

+ sign 457.383+/-0.081 χ^2/NDF: 11122798.4/34

All: 488.078+/-0.060 χ^2/NDF: 19067489.0/70

- sign 525.231+/-0.089 χ^2/NDF: 7625180.4/35



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -200.631+/-446.476 χ^2/NDF:20.7/18

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

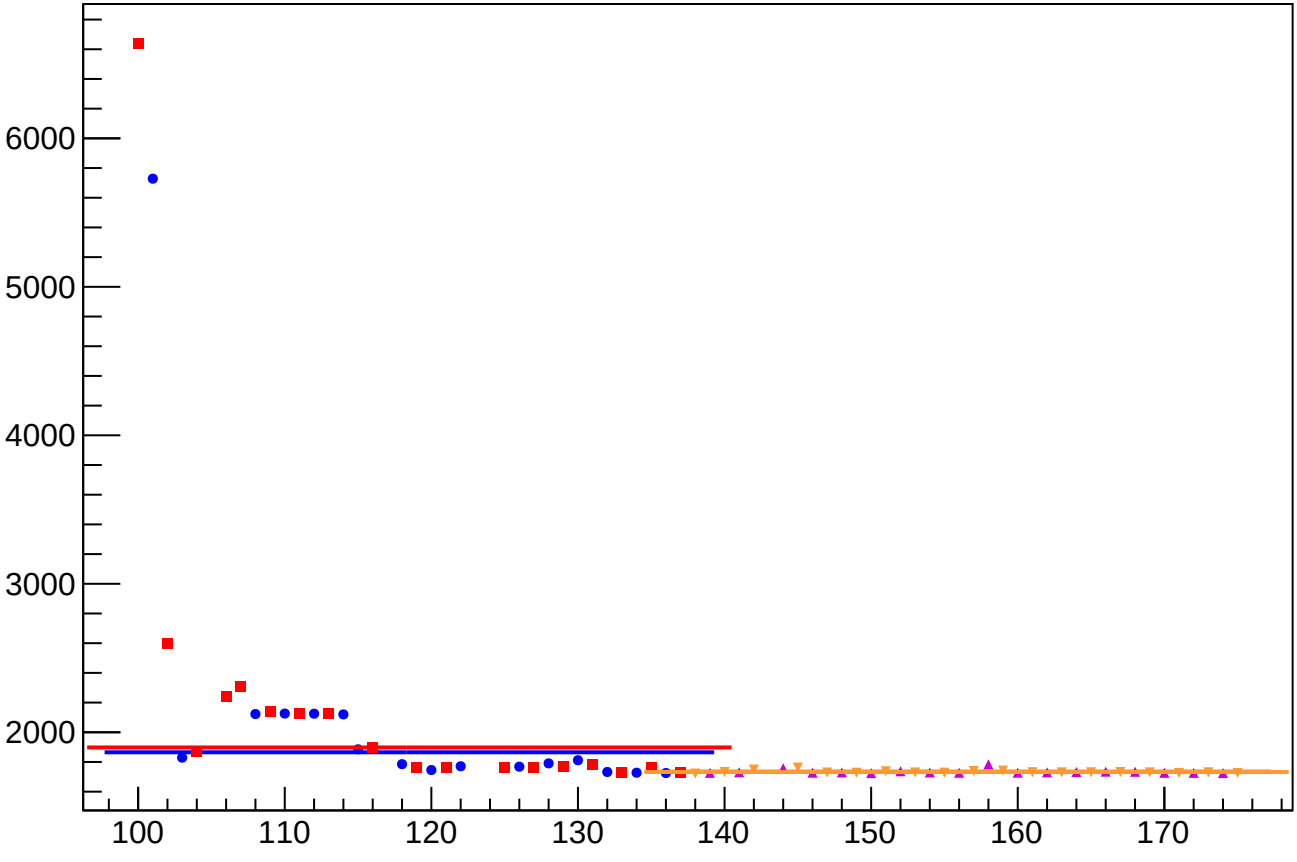
Left In: 37.480+/-449.559 χ^2/NDF:16.9/17

\+ sign -70.106+/-377.912 χ^2/NDF: 40.4/34

All: -40.302+/-268.096 χ^2/NDF: 75.4/70

\- sign -10.107+/-380.389 χ^2/NDF: 35.0/35

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.693+/-0.316 χ^2/NDF:774.5/18

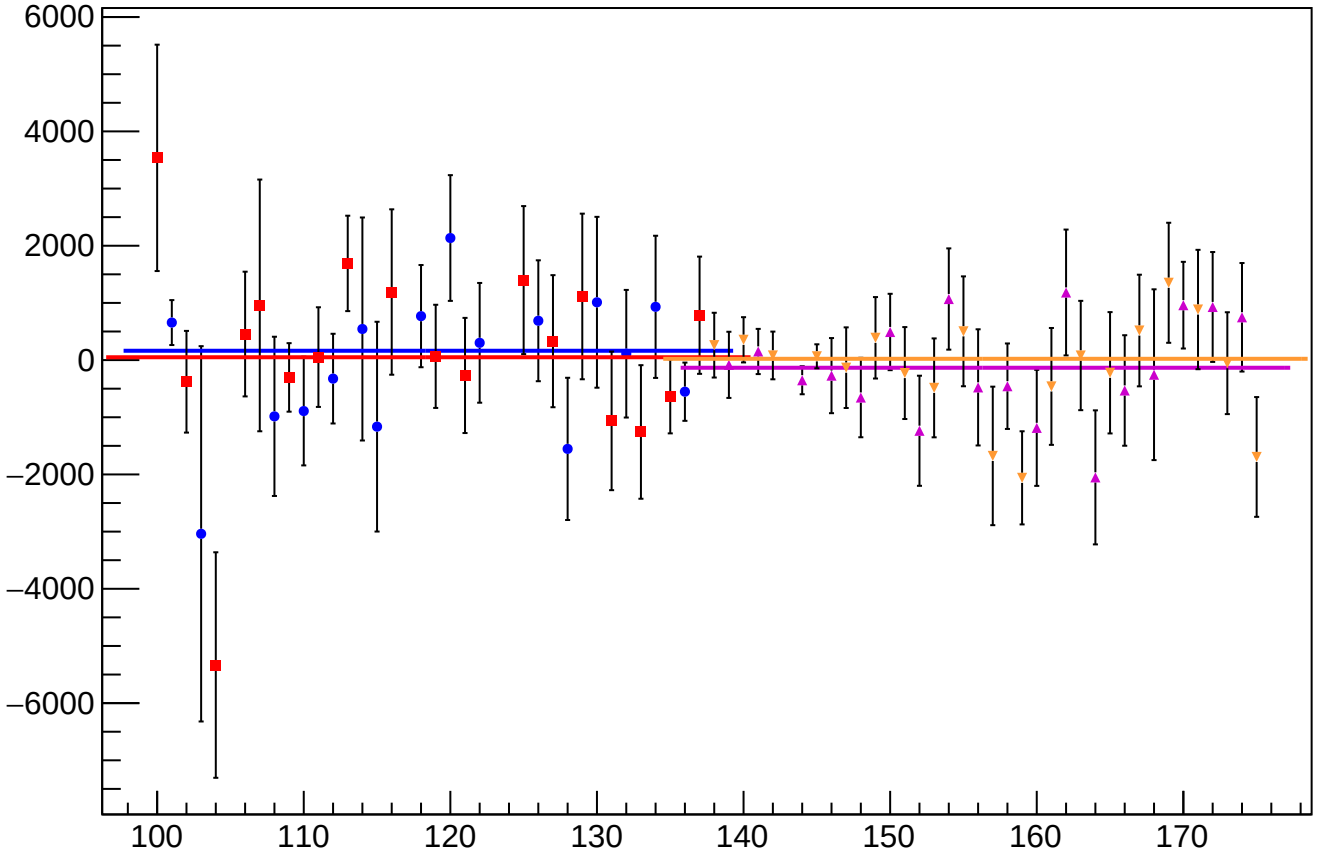
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.272+/-0.318 χ^2/NDF:2006.9/17

+ sign 1770.257+/-0.267 χ^2/NDF: 723427.2/34

All: 1775.442+/-0.190 χ^2/NDF: 1059003.9/70

- sign 1780.694+/-0.269 χ^2/NDF: 334819.0/35



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 22.601+/-133.554 χ^2/NDF:16.0/18

Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

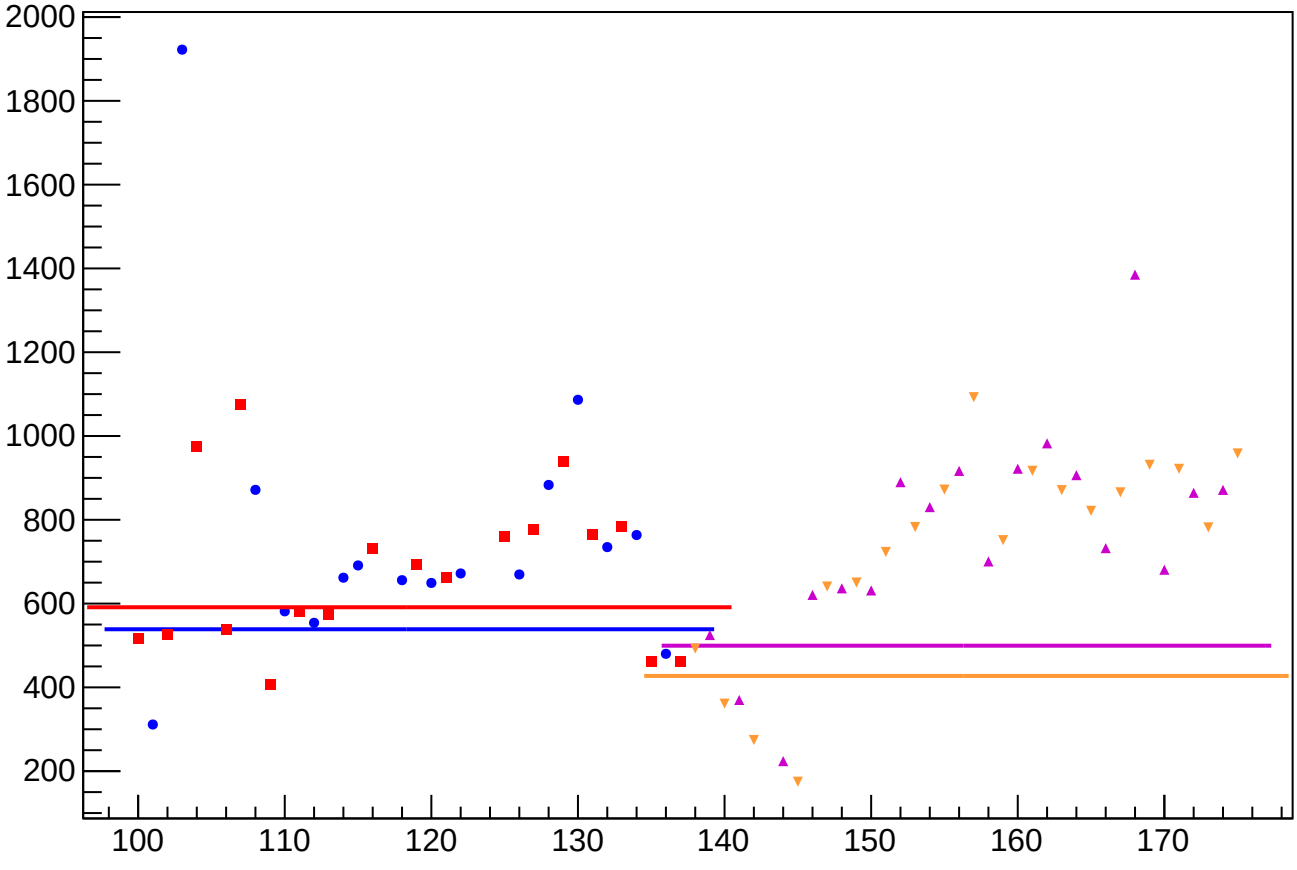
Left In: -134.070+/-147.829 χ^2/NDF:15.8/17

+ sign 60.443+/-114.168 χ^2/NDF: 30.2/34

All: -4.449+/-84.484 χ^2/NDF: 68.5/70

- sign -82.993+/-125.605 χ^2/NDF: 37.7/35

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 427.337+/-0.094 χ^2/NDF:8891464.7/18

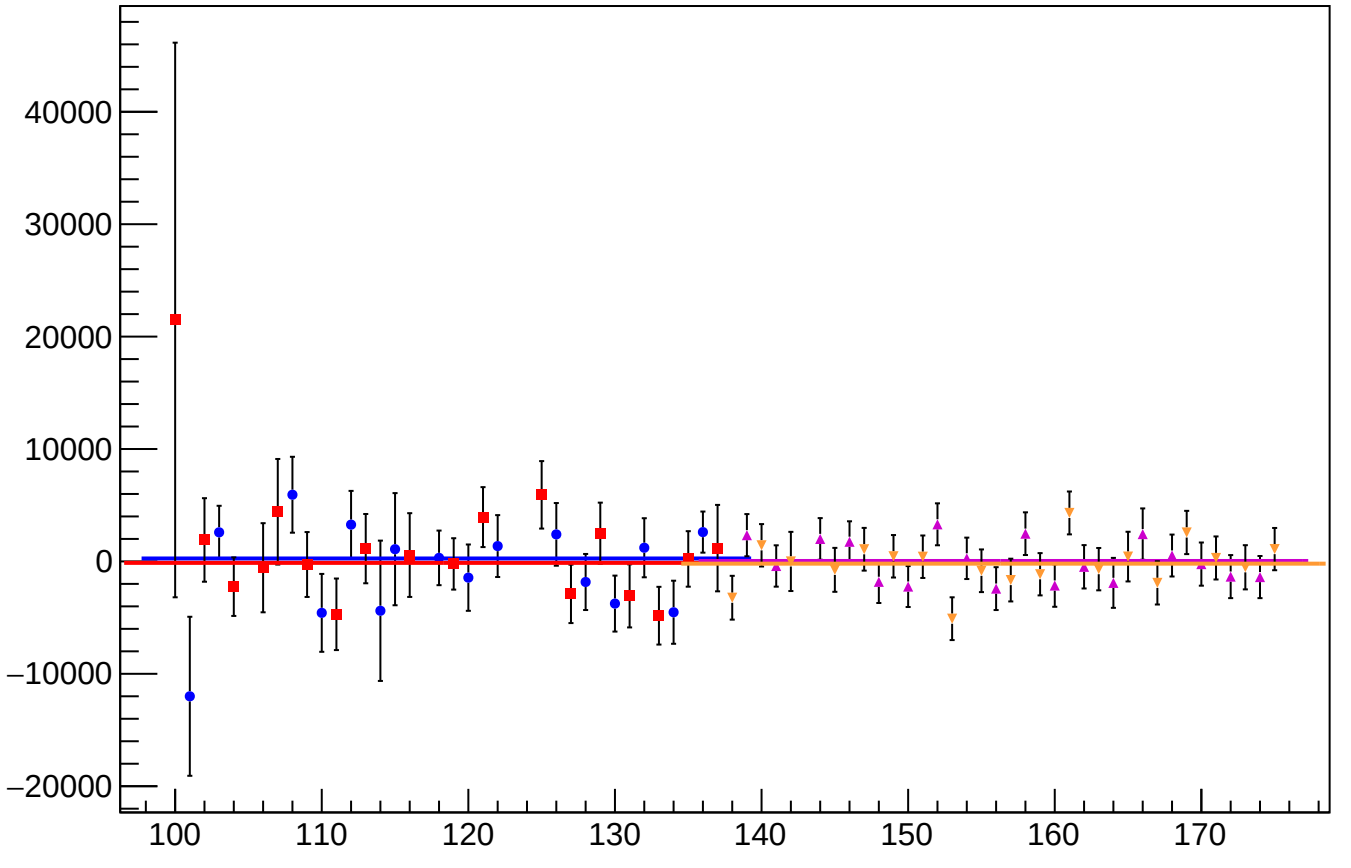
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 499.495+/-0.105 χ^2/NDF:6563485.9/17

+ sign 457.322+/-0.081 χ^2/NDF: 11124786.1/34

All: 487.943+/-0.060 χ^2/NDF: 19065033.5/70

- sign 525.006+/-0.089 χ^2/NDF: 7622228.5/35



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -200.631+/-446.476 χ^2/NDF:20.7/18

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

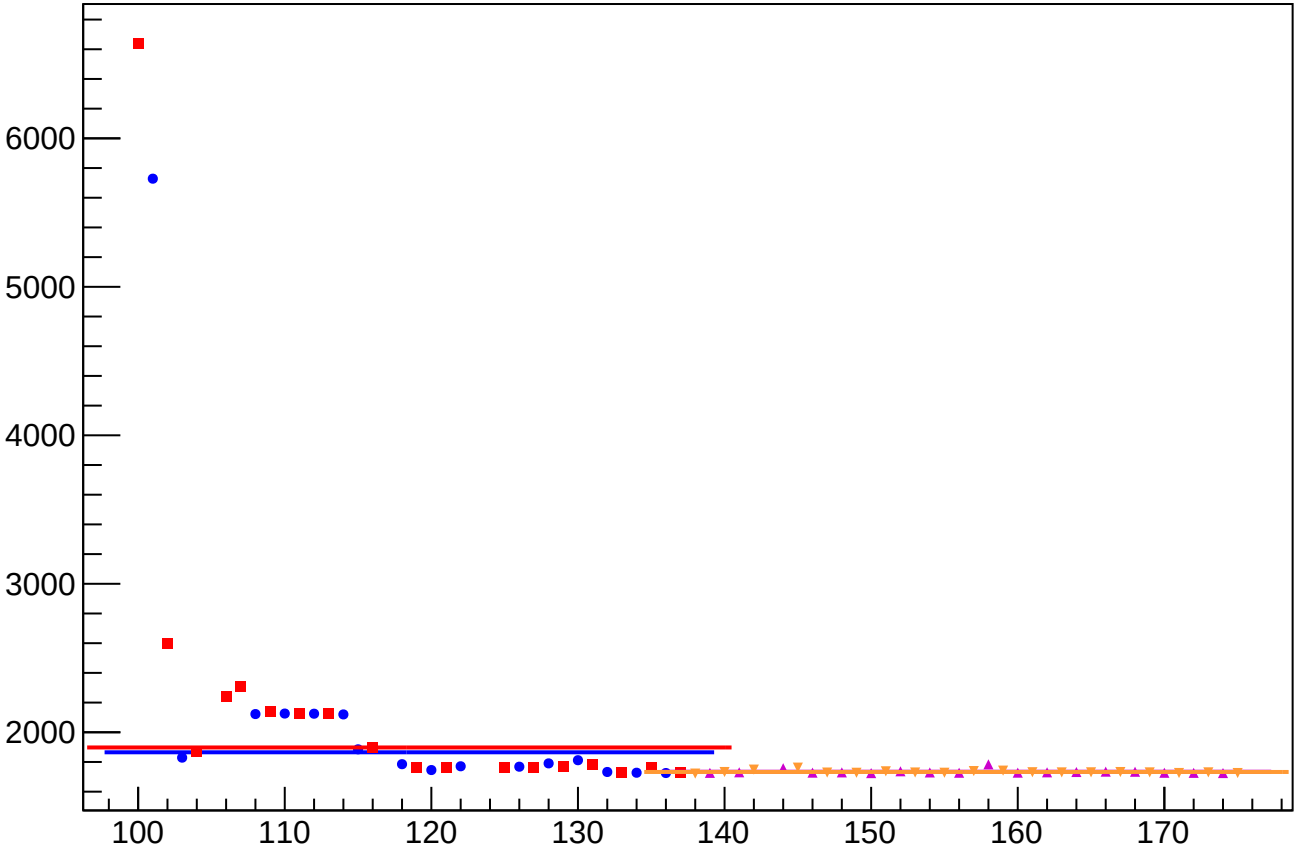
Left In: 37.480+/-449.559 χ^2/NDF:16.9/17

+ sign -70.106+/-377.912 χ^2/NDF: 40.4/34

All: -40.302+/-268.096 χ^2/NDF: 75.4/70

- sign -10.107+/-380.389 χ^2/NDF: 35.0/35

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: 1732.693+/-0.316 χ^2/NDF:774.5/18

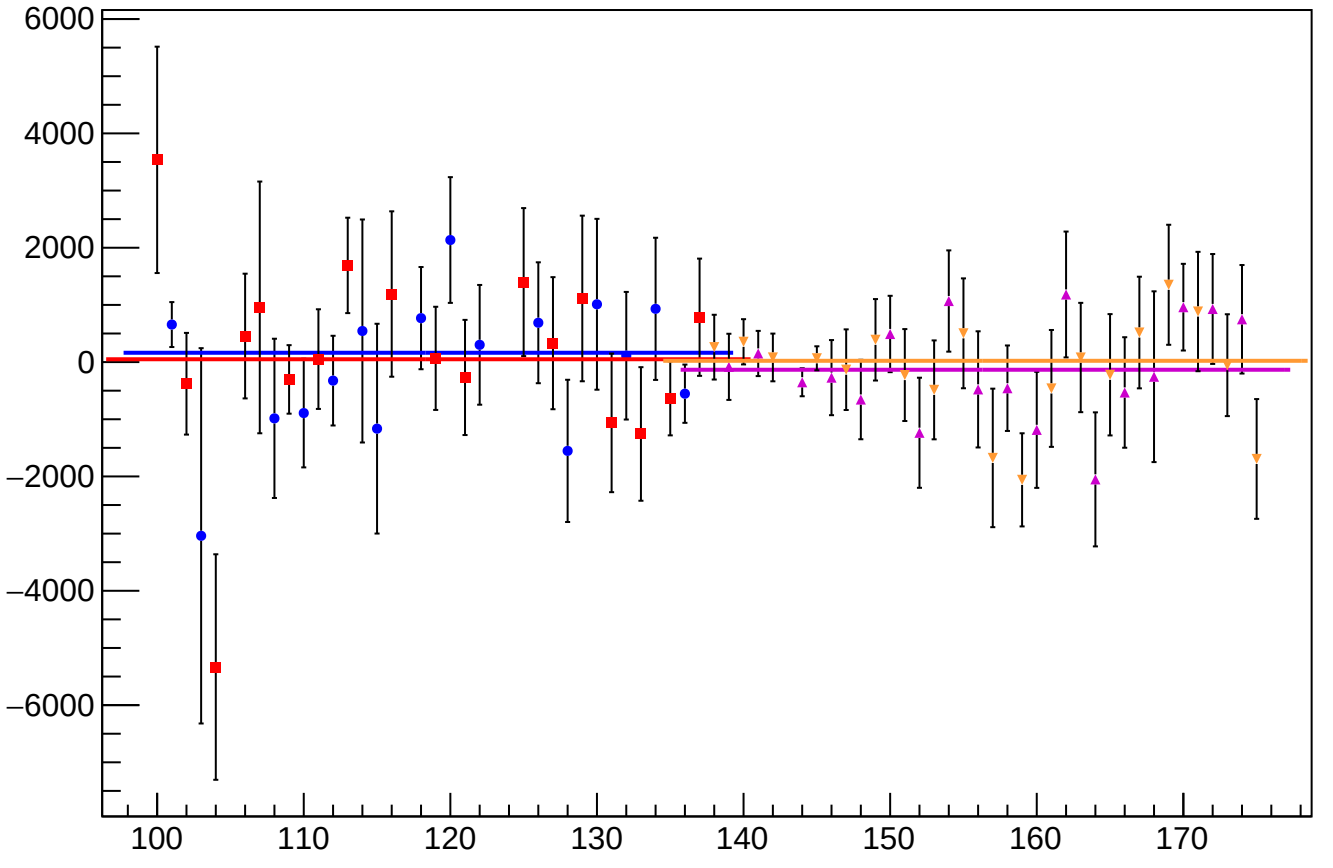
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.272+/-0.318 χ^2/NDF:2006.9/17

+ sign 1770.257+/-0.267 χ^2/NDF: 723427.2/34

All: 1775.442+/-0.190 χ^2/NDF: 1059003.9/70

- sign 1780.694+/-0.269 χ^2/NDF: 334819.0/35



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 22.601+/-133.554 χ^2/NDF:16.0/18

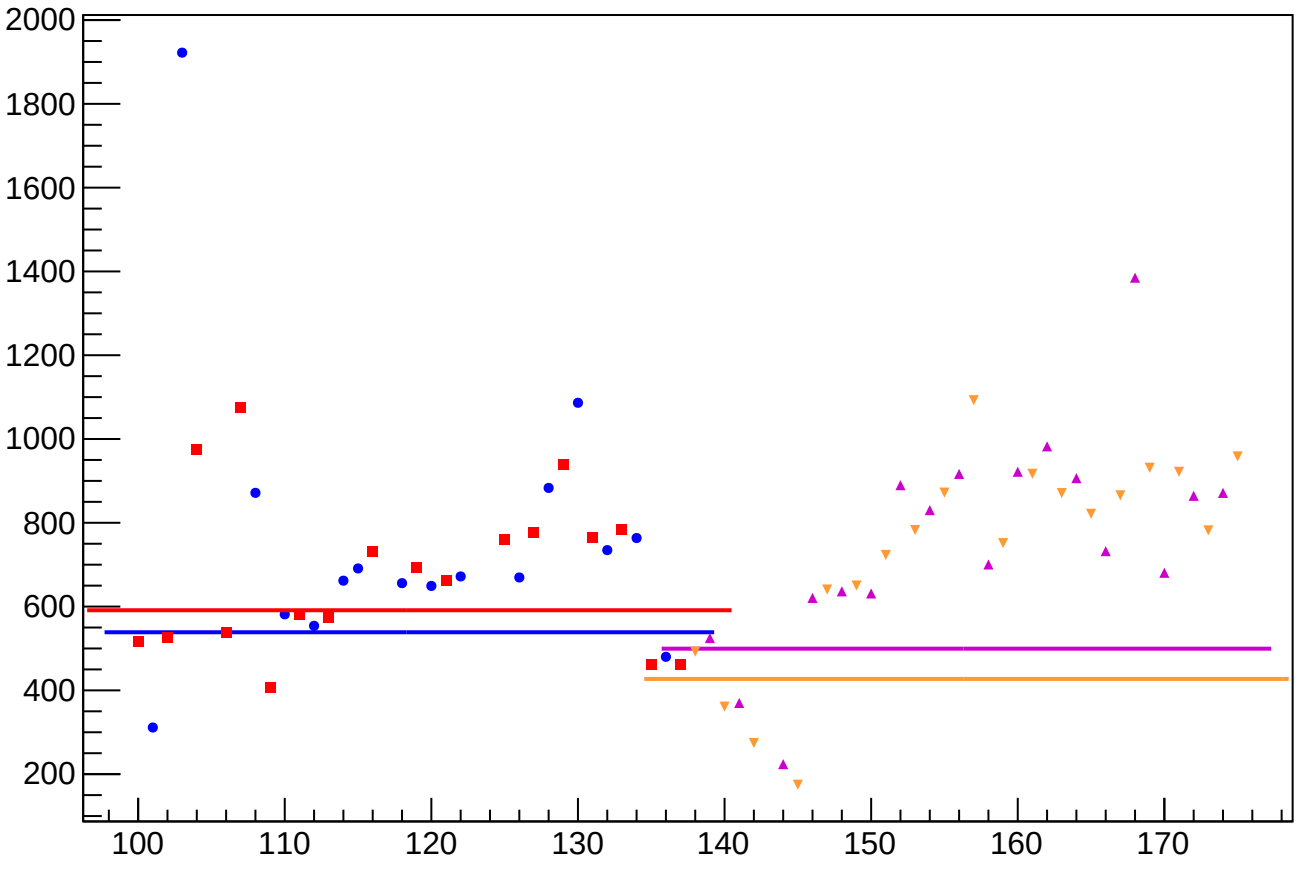
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -134.070+/-147.829 χ^2/NDF:15.8/17

+ sign 60.443+/-114.168 χ^2/NDF: 30.2/34

All: -4.449+/-84.484 χ^2/NDF: 68.5/70

- sign -82.993+/-125.605 χ^2/NDF: 37.7/35



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 427.337+/-0.094 χ^2/NDF:8891464.7/18

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

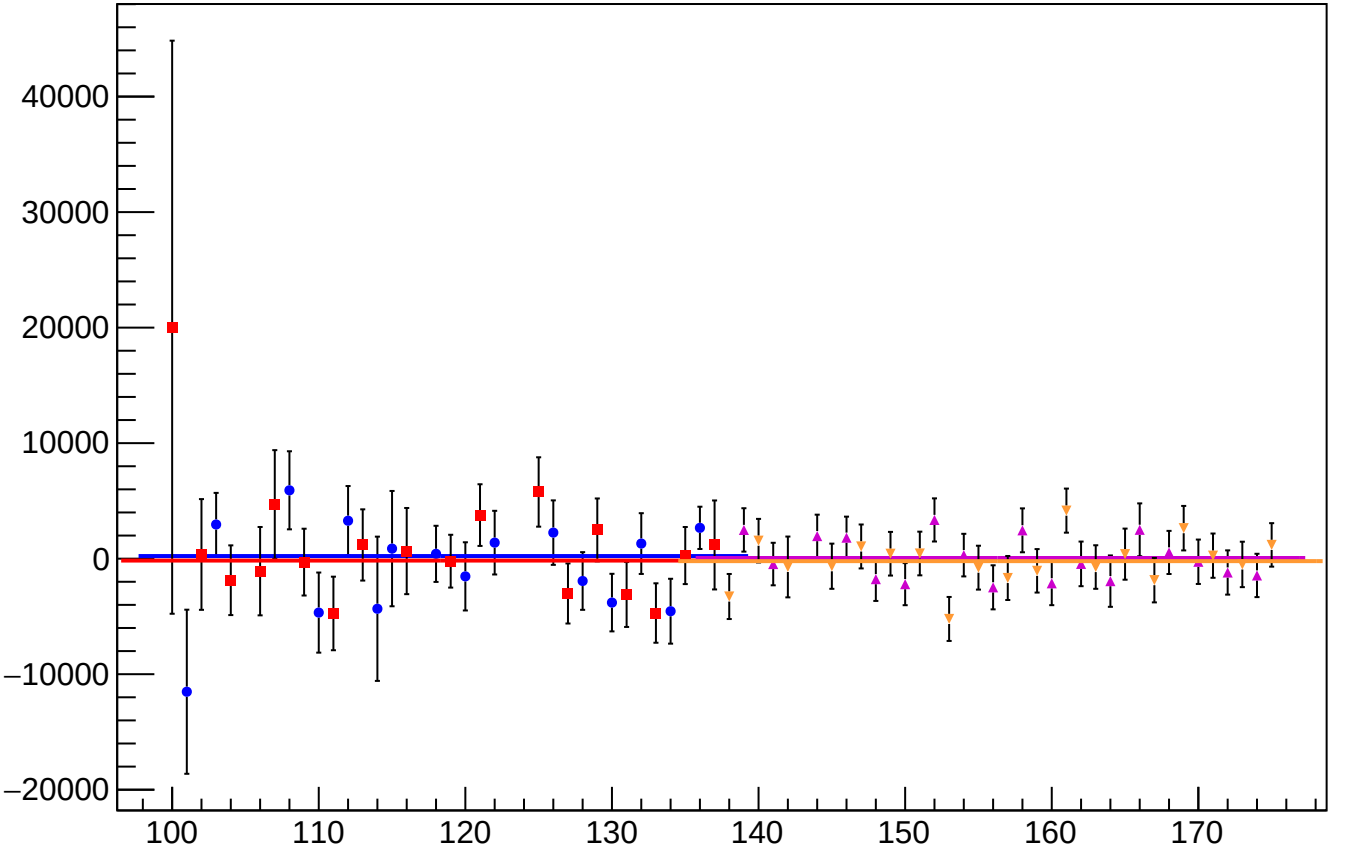
Left In: 499.495+/-0.105 χ^2/NDF:6563485.9/17

+ sign 457.322+/-0.081 χ^2/NDF: 11124786.1/34

All: 487.943+/-0.060 χ^2/NDF: 19065033.5/70

- sign 525.006+/-0.089 χ^2/NDF: 7622228.5/35

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -213.120+/-446.789 χ^2/NDF:20.9/18

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

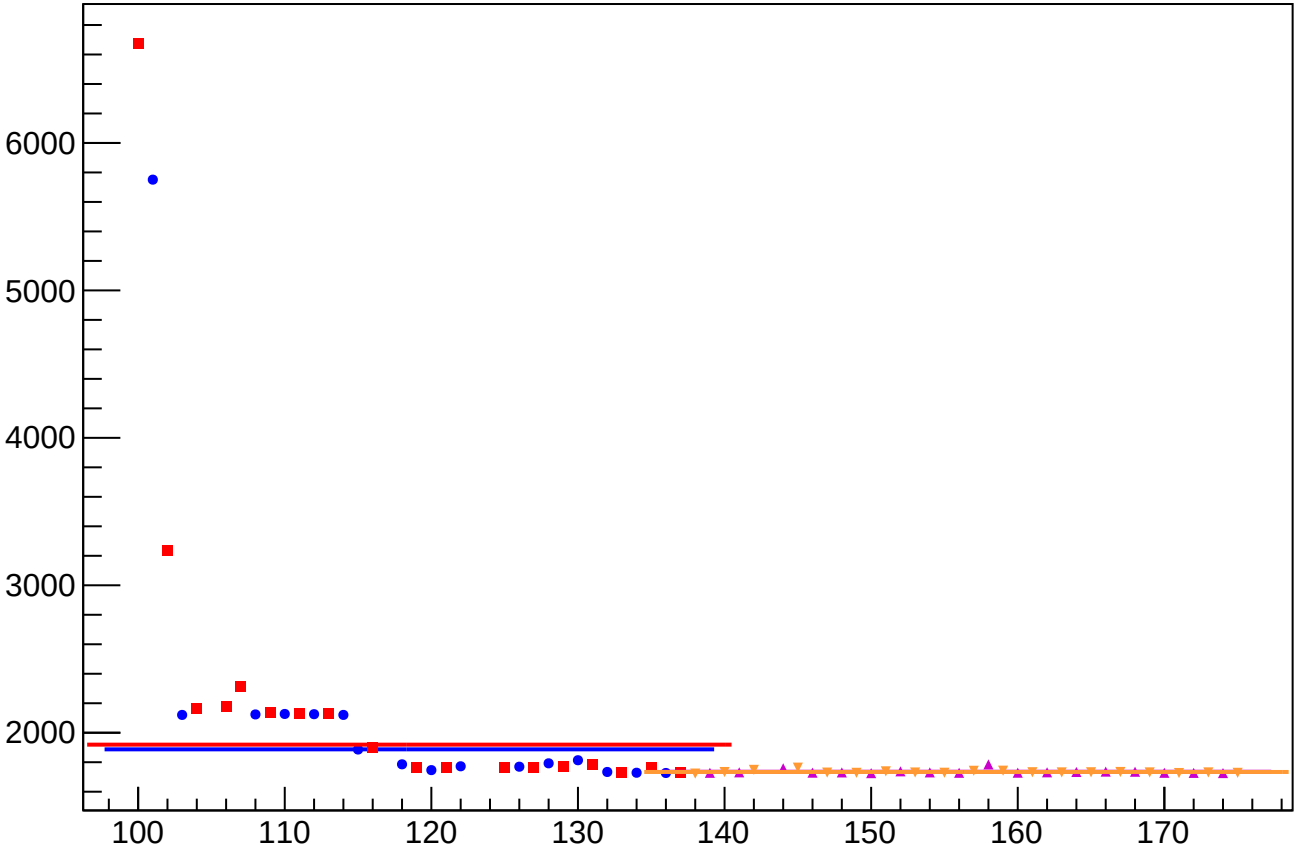
Left In: 57.676+/-449.847 χ^2/NDF:17.2/17

+ sign -90.621+/-379.423 χ^2/NDF: 40.5/34

All: -47.528+/-269.325 χ^2/NDF: 74.9/70

- sign -3.766+/-382.361 χ^2/NDF: 34.3/35

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1733.907+/-0.316 χ^2/NDF:774.0/18

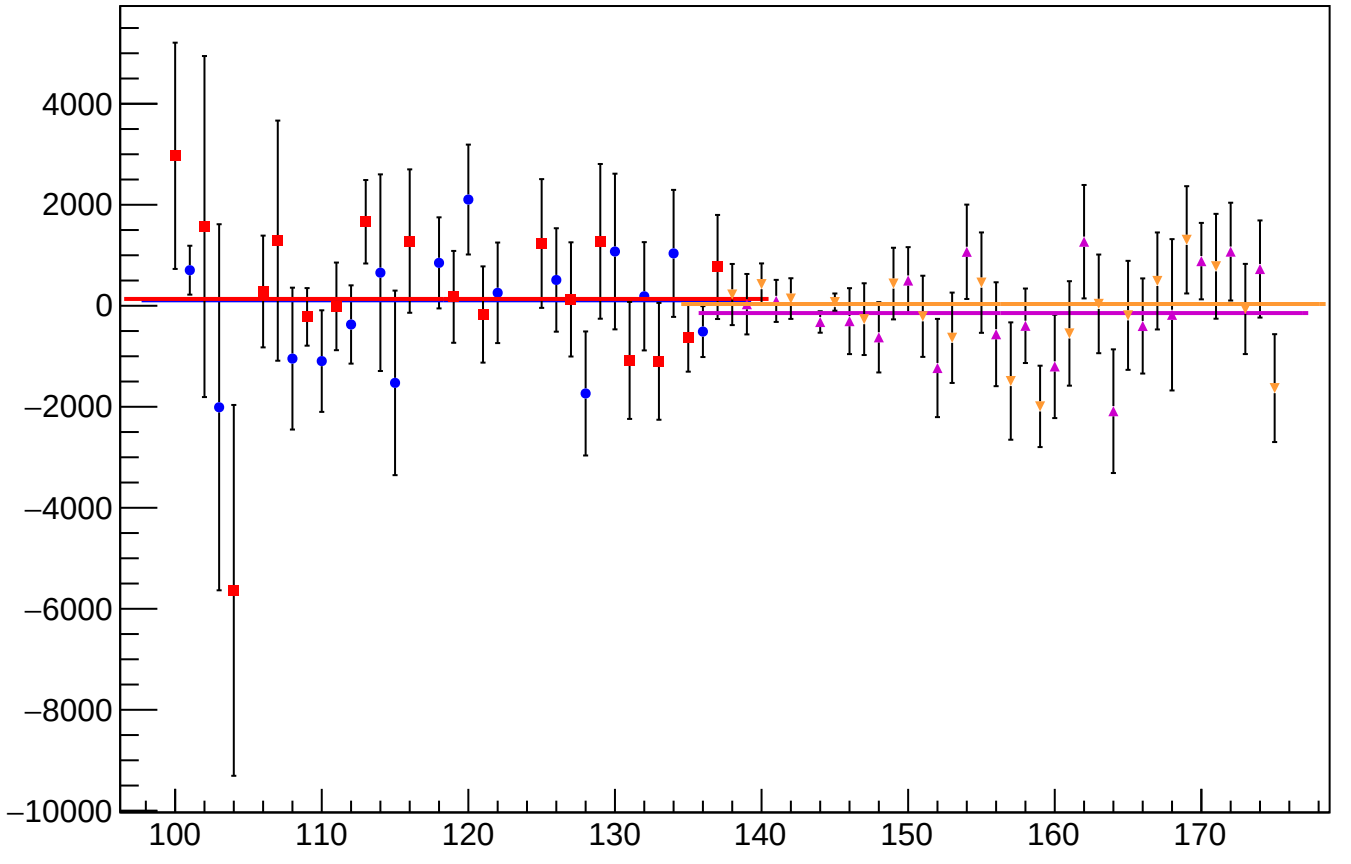
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.380+/-0.318 χ^2/NDF:2008.7/17

+ sign 1776.679+/-0.268 χ^2/NDF: 755954.8/34

All: 1781.495+/-0.190 χ^2/NDF: 1203827.4/70

- sign 1786.386+/-0.270 χ^2/NDF: 447223.2/35



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 35.052+/-121.948 χ^2/NDF:15.5/18

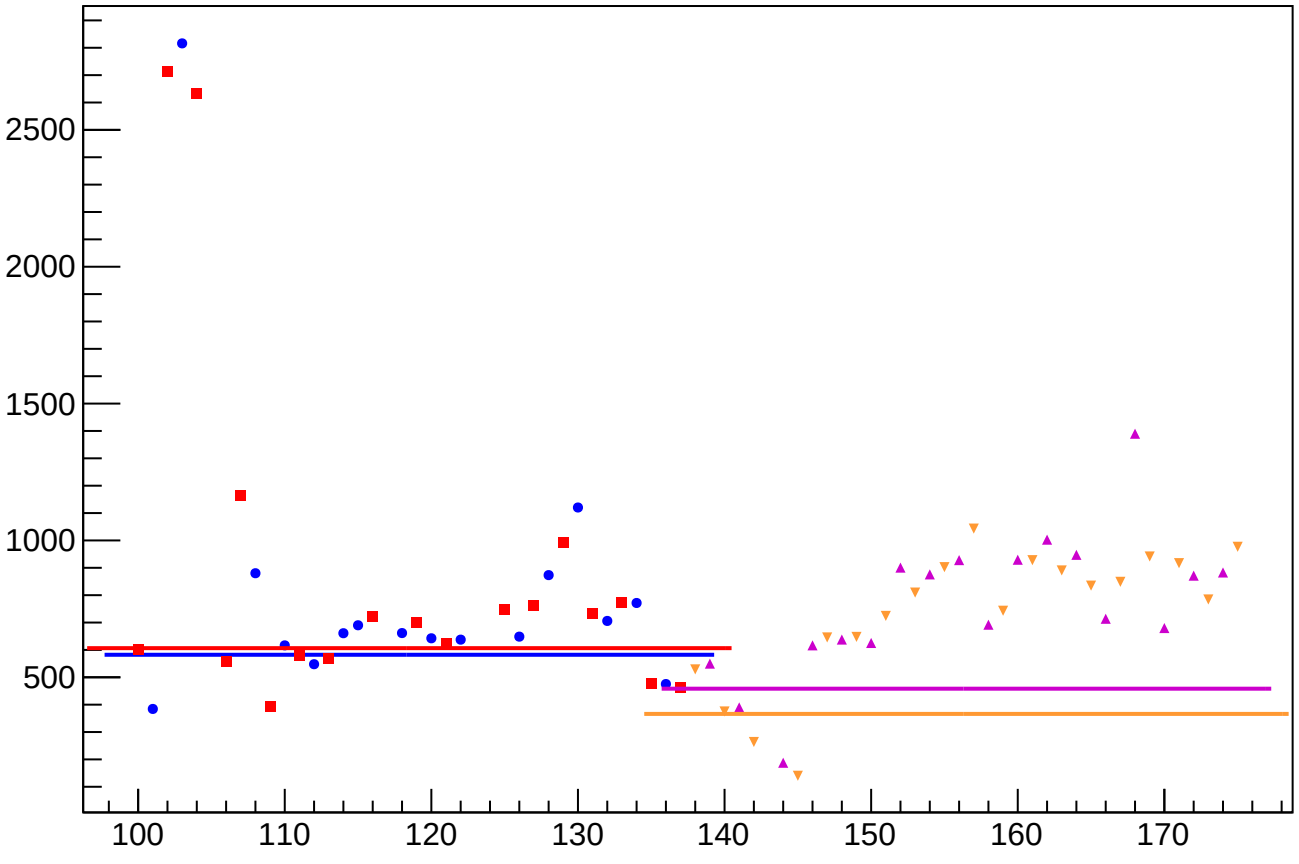
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -144.363+/-140.978 χ^2/NDF:15.3/17

+ sign 50.903+/-107.915 χ^2/NDF: 29.7/34

All: -4.287+/-80.920 χ^2/NDF: 61.0/70

- sign -75.180+/-122.307 χ^2/NDF: 30.6/35



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 366.216+/-0.086 χ^2/NDF:11297508.7/18

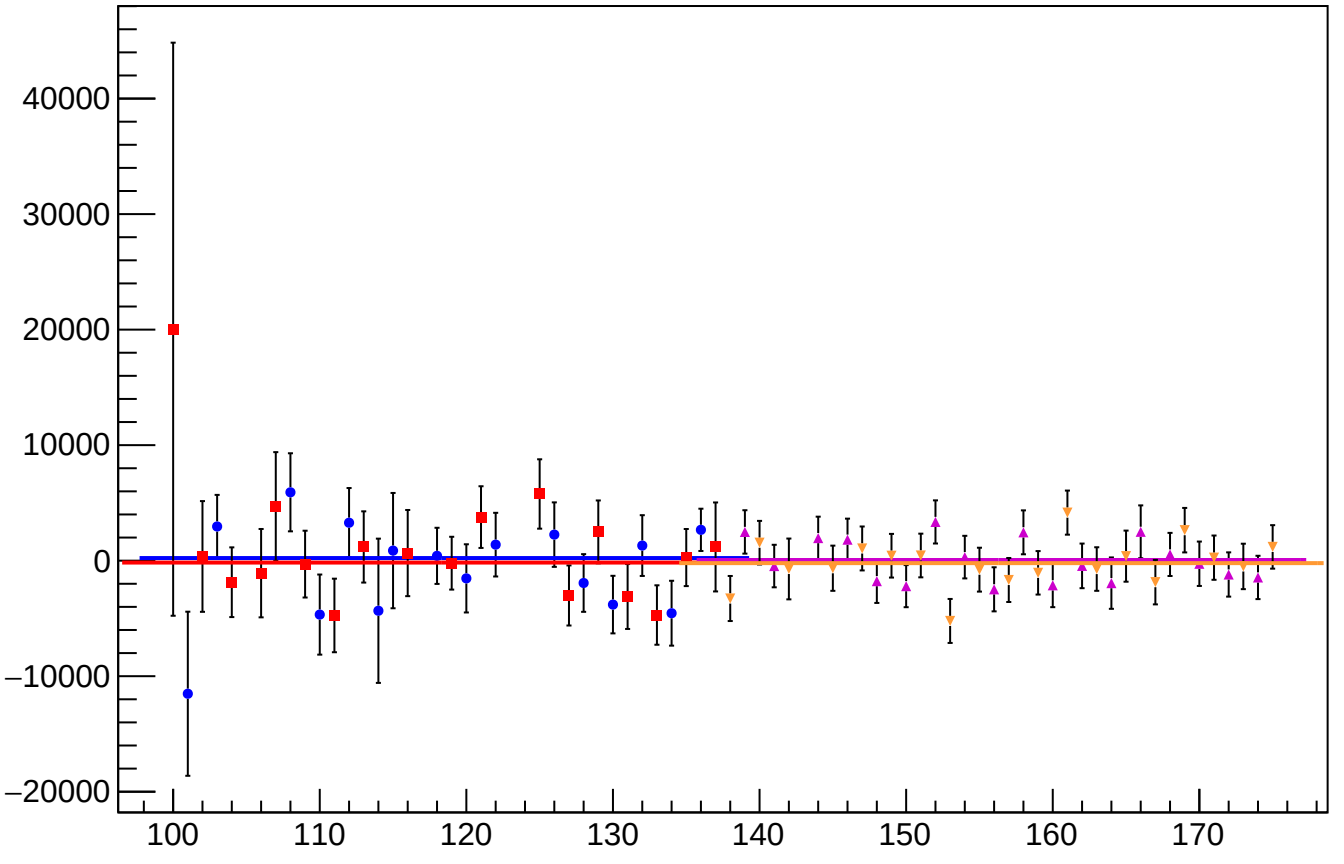
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 458.351+/-0.100 χ^2/NDF:8217483.6/17

+ sign 413.079+/-0.076 χ^2/NDF: 14413494.3/34

All: 448.930+/-0.057 χ^2/NDF: 25879524.8/70

- sign 494.980+/-0.086 χ^2/NDF: 10961777.0/35



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -213.124+/-446.789 χ^2/NDF:20.9/18

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

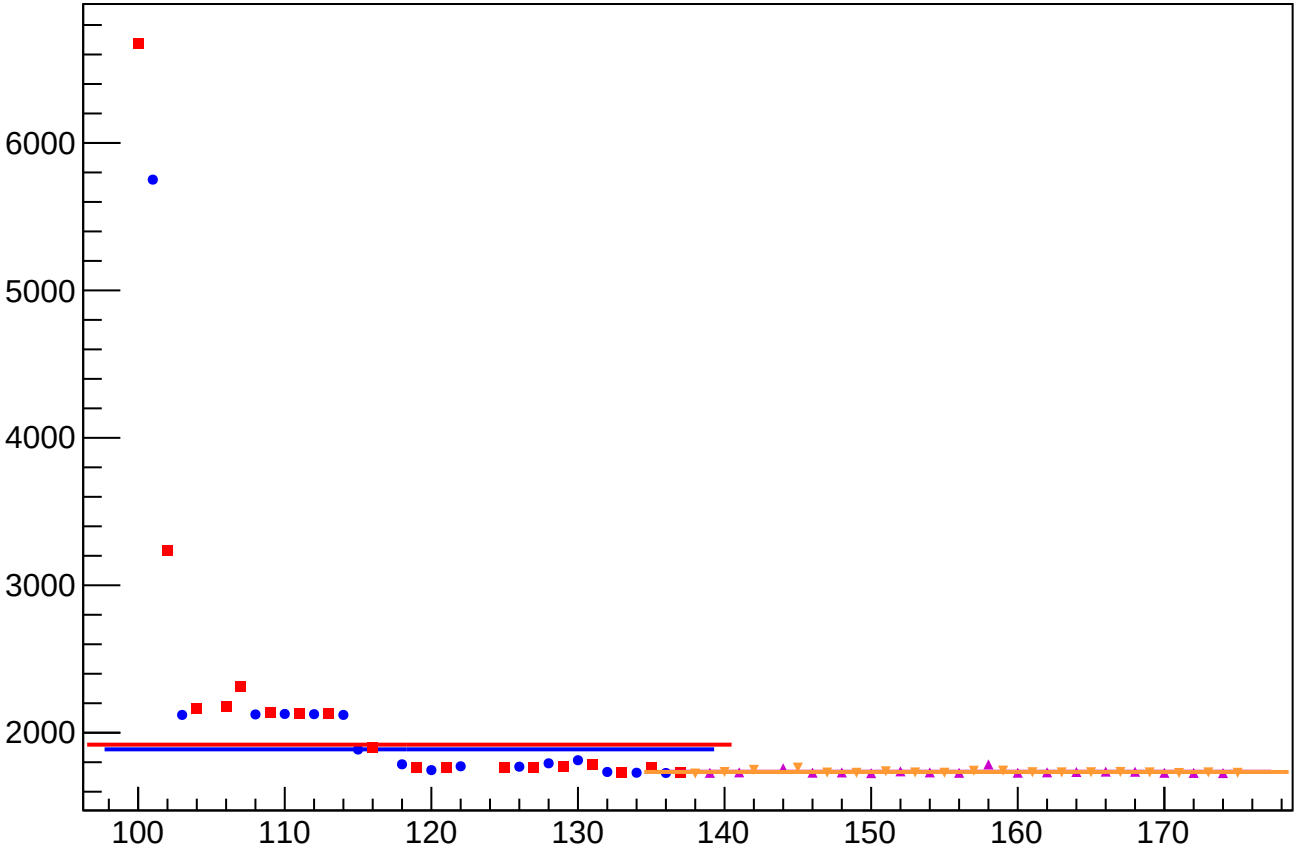
Left In: 57.675+/-449.847 χ^2/NDF:17.2/17

+ sign -90.623+/-379.423 χ^2/NDF: 40.5/34

All: -47.530+/-269.325 χ^2/NDF: 74.9/70

- sign -3.767+/-382.361 χ^2/NDF: 34.3/35

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1733.907+/-0.316 χ^2/NDF:774.0/18

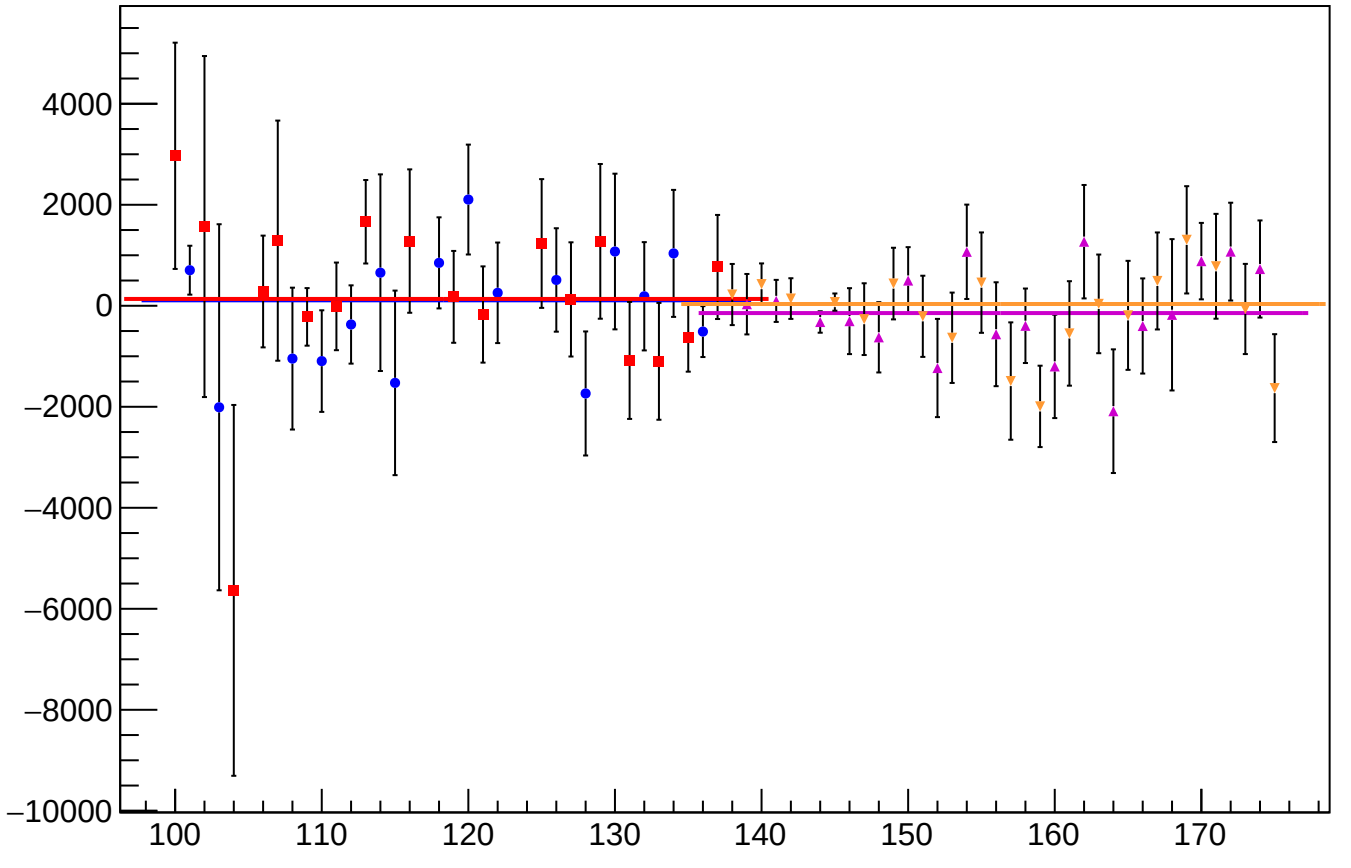
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.380+/-0.318 χ^2/NDF:2008.7/17

+ sign 1776.679+/-0.268 χ^2/NDF: 755954.4/34

All: 1781.495+/-0.190 χ^2/NDF: 1203826.2/70

- sign 1786.386+/-0.270 χ^2/NDF: 447222.3/35



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 35.051+/-121.948 χ^2/NDF:15.5/18

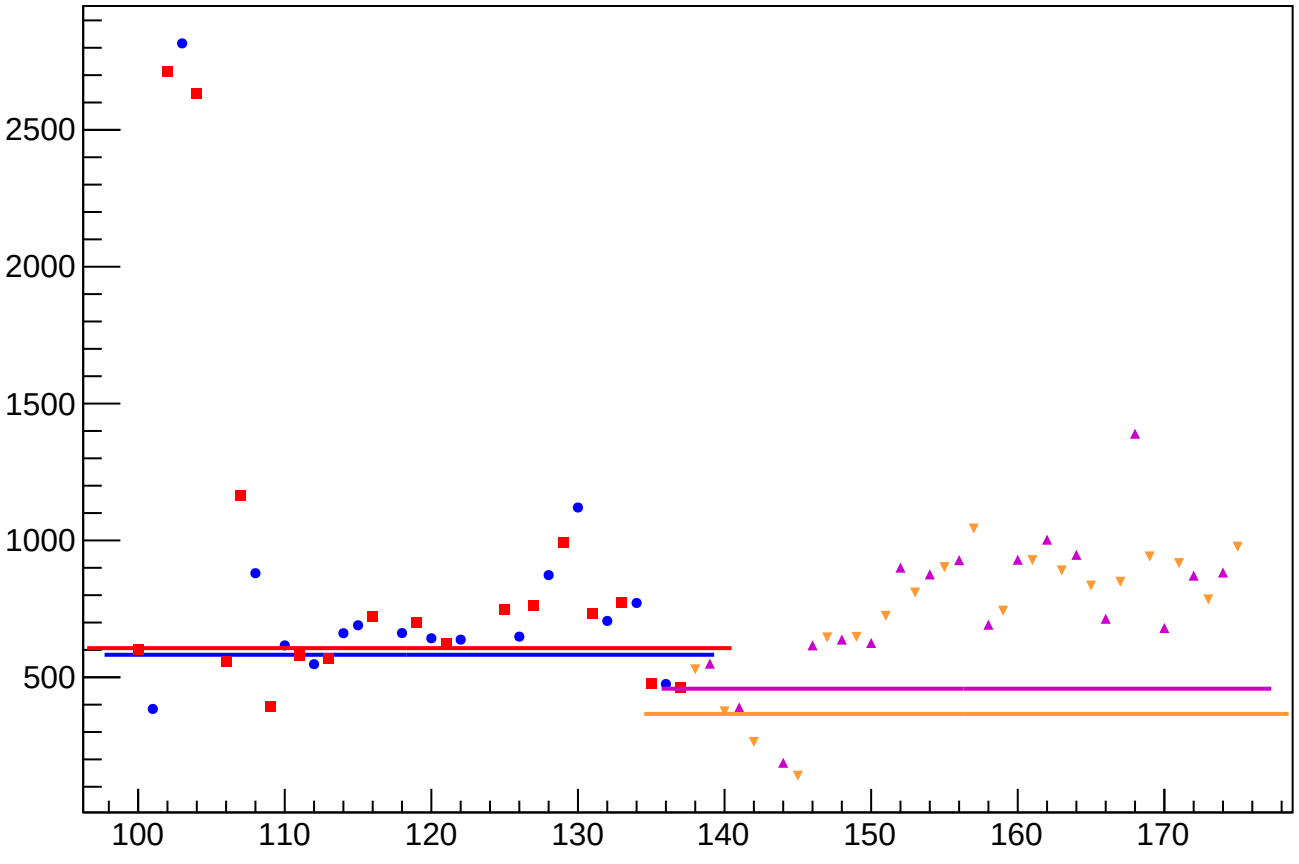
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -144.363+/-140.978 χ^2/NDF:15.3/17

+ sign 50.902+/-107.915 χ^2/NDF: 29.7/34

All: -4.288+/-80.920 χ^2/NDF: 61.0/70

- sign -75.180+/-122.308 χ^2/NDF: 30.6/35



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 366.216+/-0.086 χ^2/NDF:11297547.2/18

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

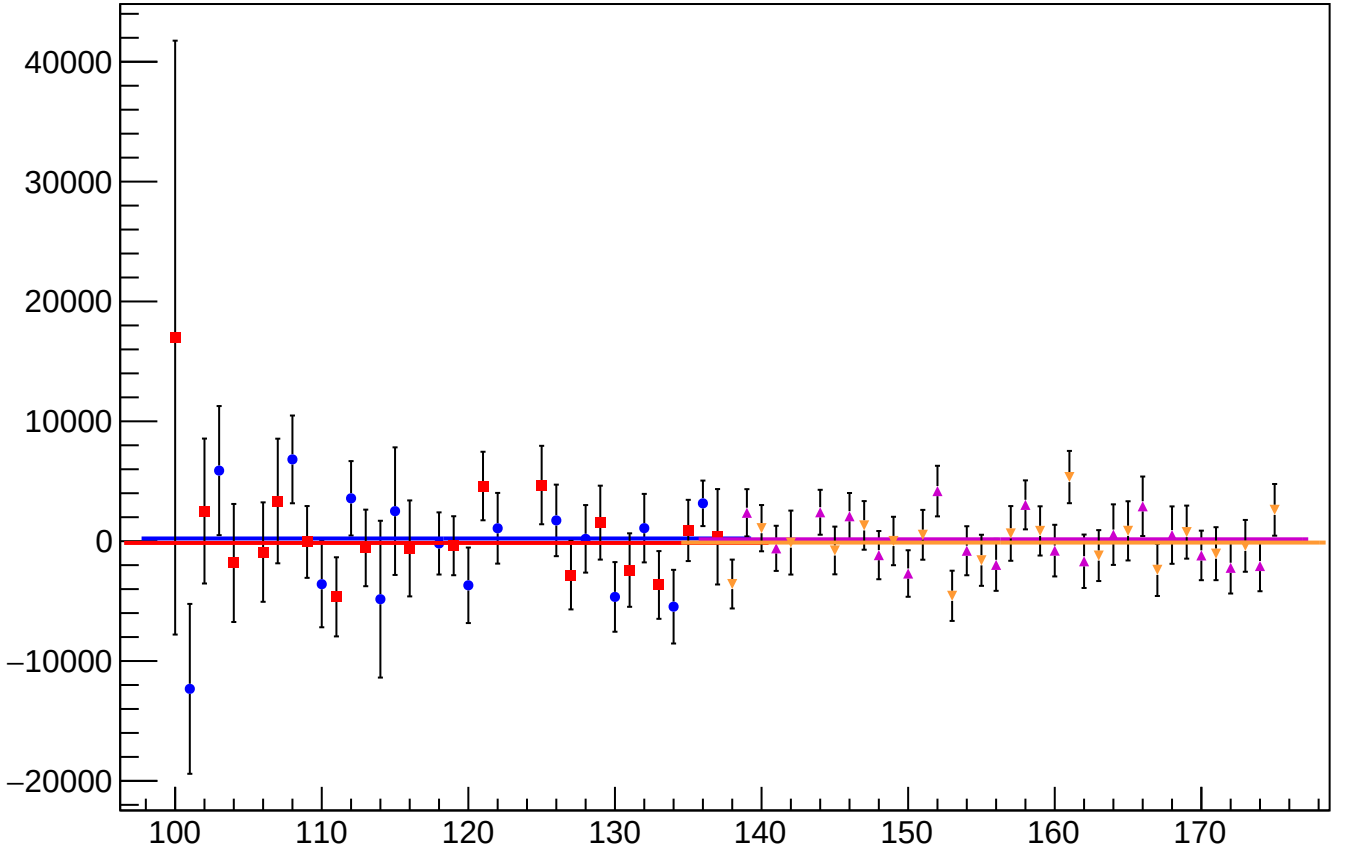
Left In: 458.352+/-0.100 χ^2/NDF:8217506.0/17

+ sign 413.079+/-0.076 χ^2/NDF: 14413505.5/34

All: 448.930+/-0.057 χ^2/NDF: 25879545.4/70

- sign 494.980+/-0.086 χ^2/NDF: 10961786.4/35

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -116.503+/-491.350 χ^2/NDF:19.0/18

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

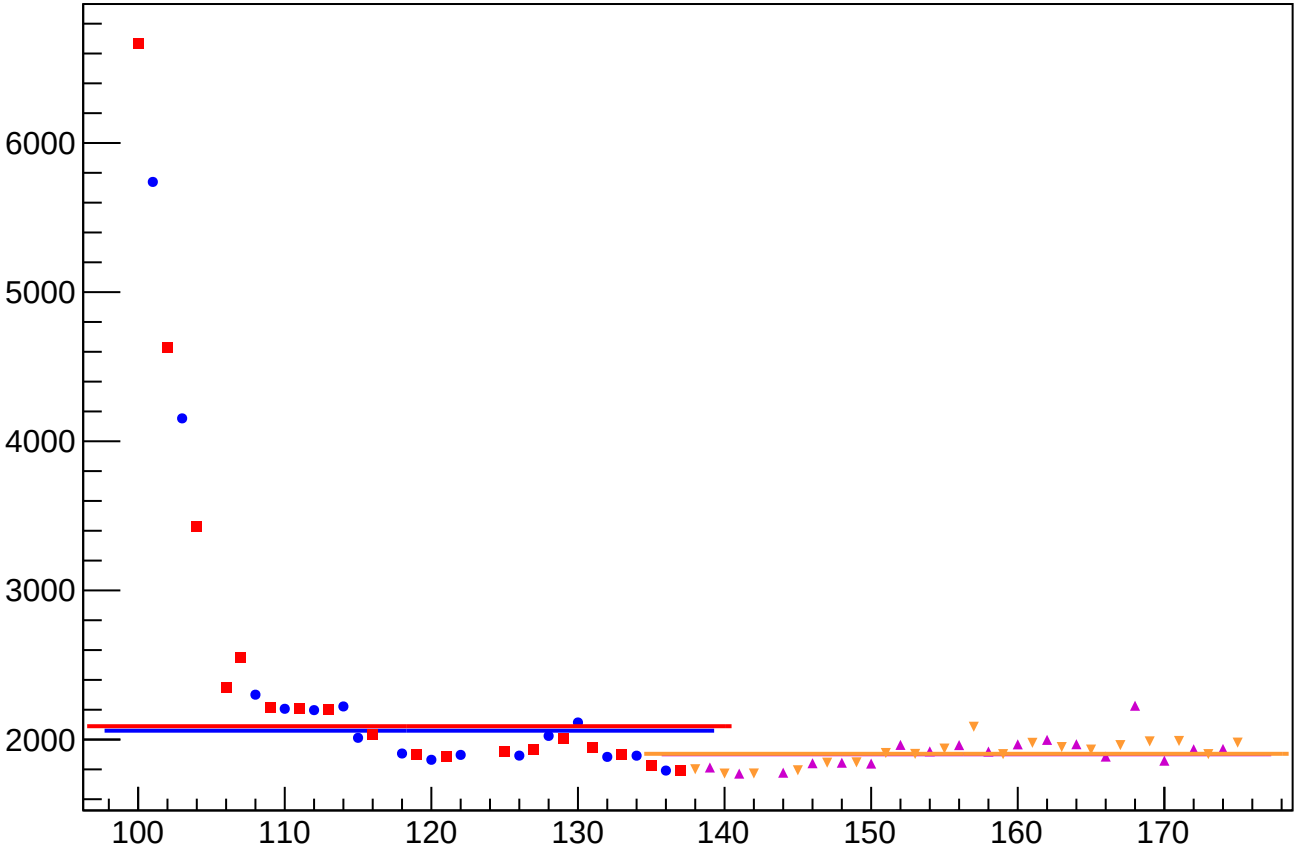
Left In: 155.736+/-493.520 χ^2/NDF:18.2/17

\+ sign -21.670+/-417.479 χ^2/NDF: 40.3/34

All: 24.540+/-295.801 χ^2/NDF: 70.2/70

\- sign 71.127+/-419.177 χ^2/NDF: 29.8/35

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1904.469+/-0.347 χ^2/NDF:55310.7/18

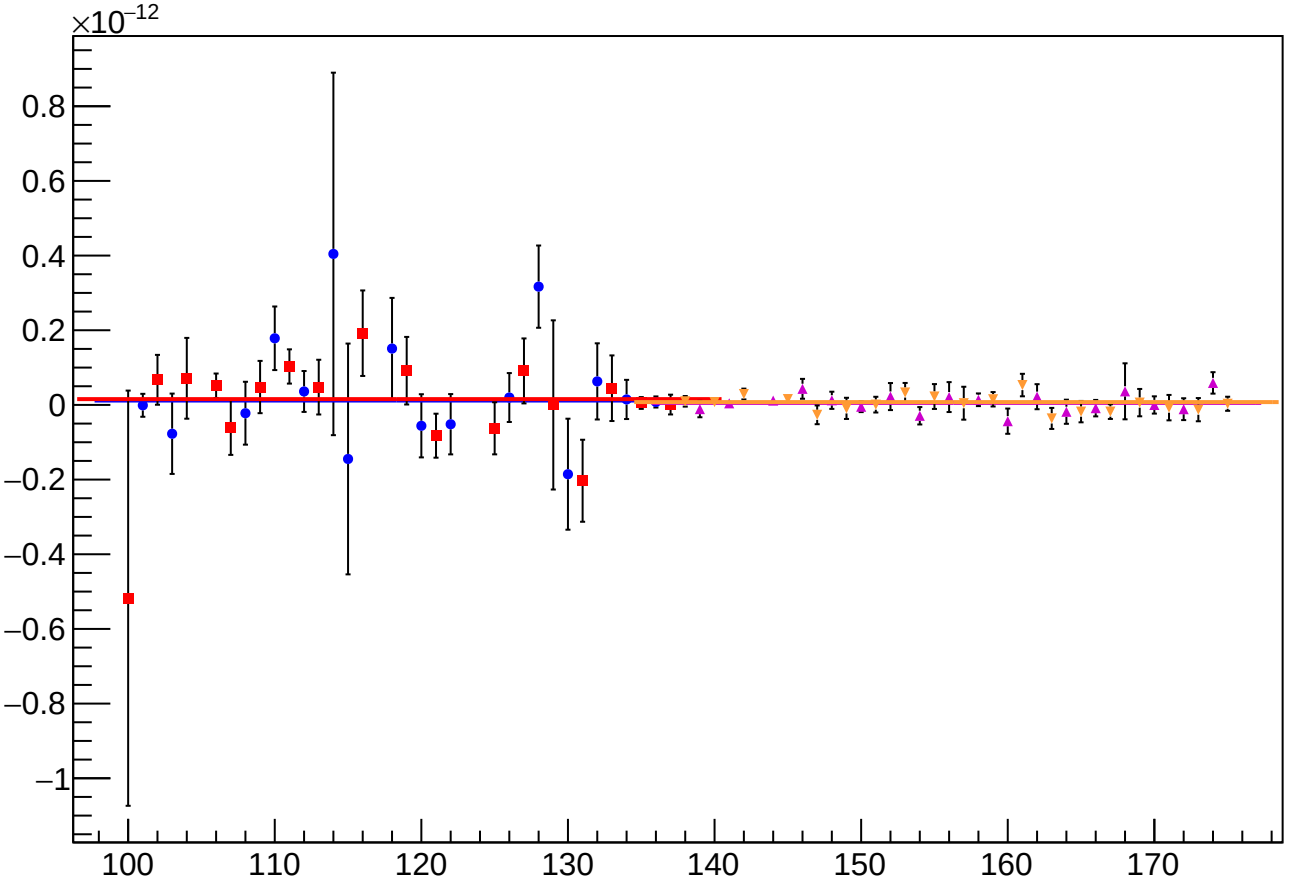
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1901.199+/-0.349 χ^2/NDF:77537.7/17

+ sign 1947.579+/-0.295 χ^2/NDF: 1050549.3/34

All: 1950.603+/-0.209 χ^2/NDF: 1890855.0/70

- sign 1953.650+/-0.296 χ^2/NDF: 840095.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/18

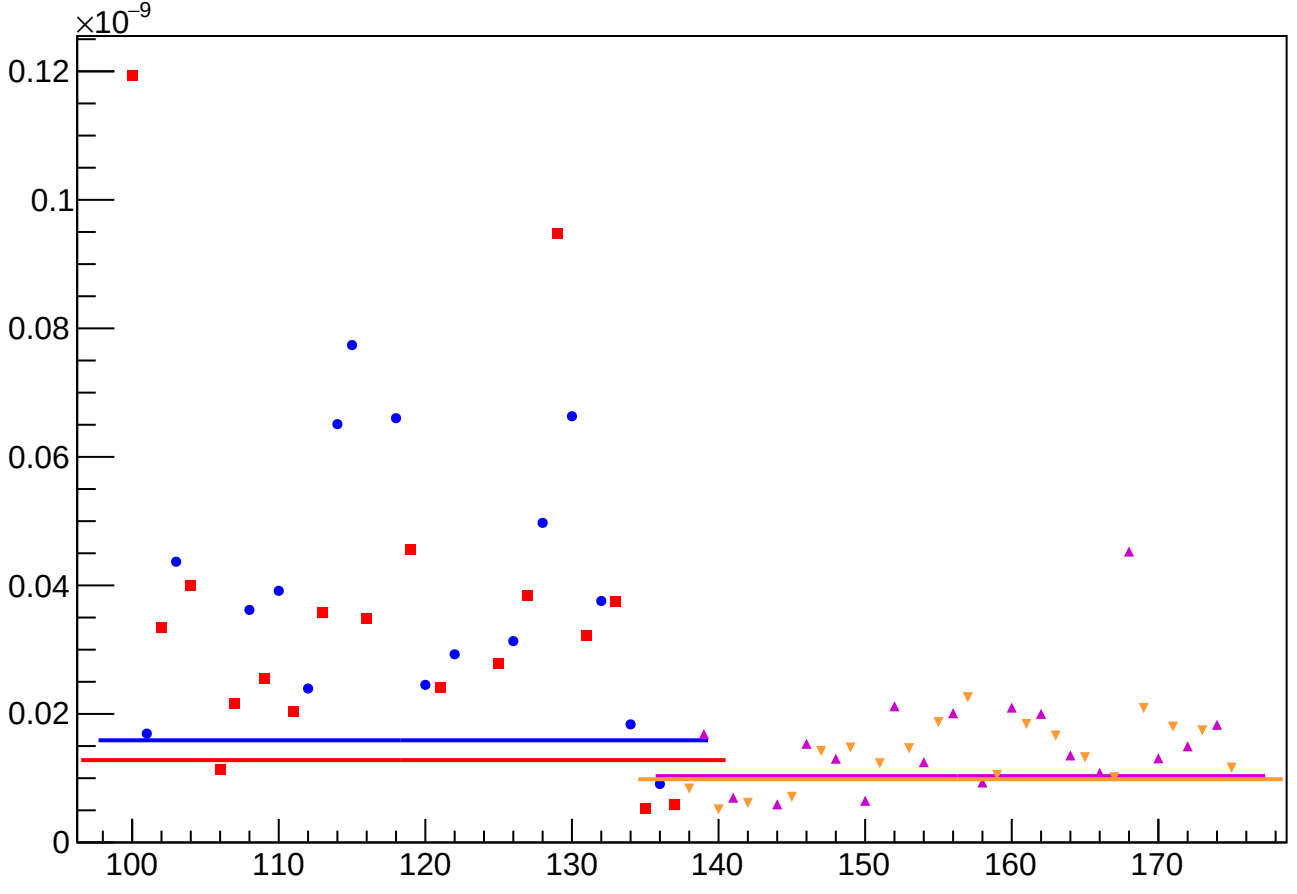
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:13.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 32.3/34

All: 0.000+/-0.000 χ^2/NDF: 67.6/70

- sign 0.000+/-0.000 χ^2/NDF: 35.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2006985.1/18

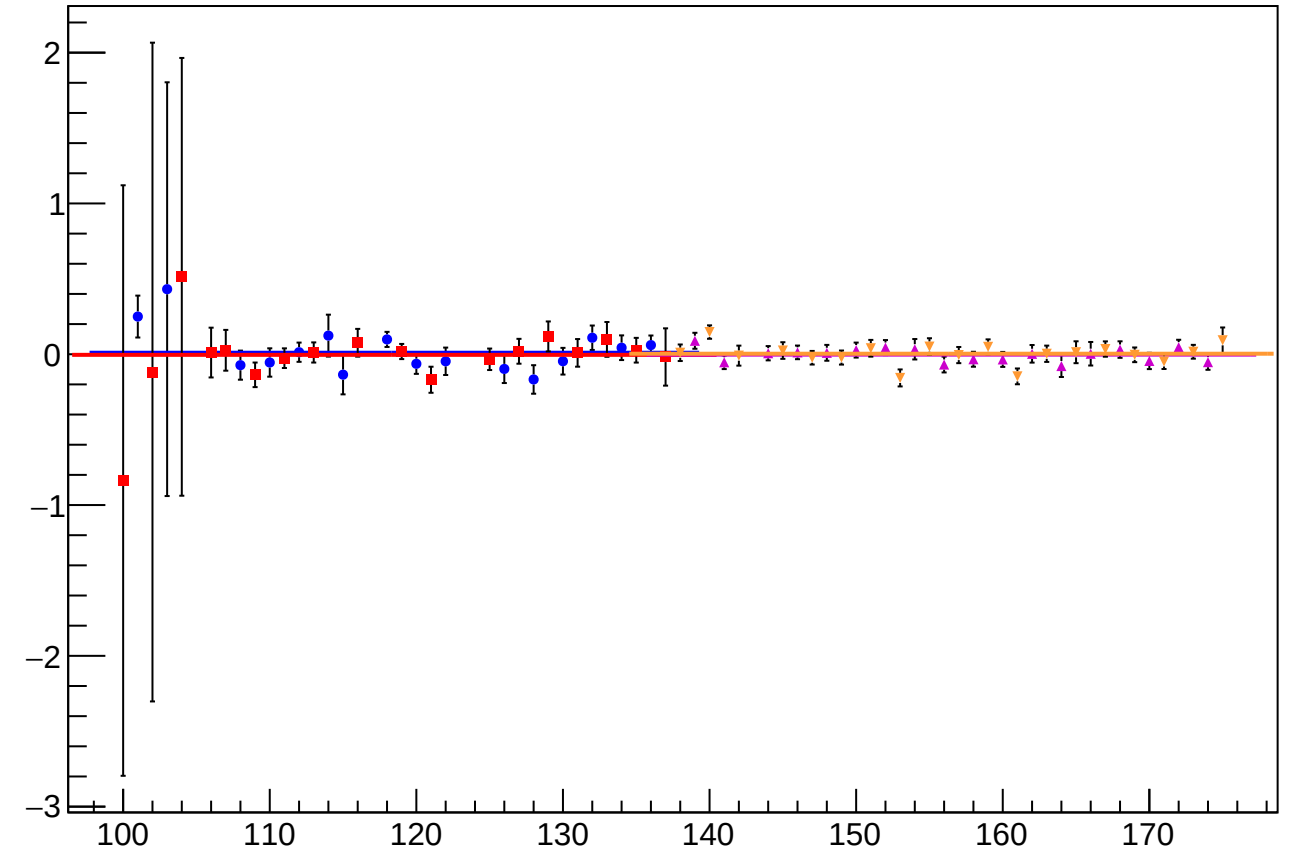
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2379888.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 4419430.6/34

All: 0.000+/-0.000 χ^2/NDF: 9375898.8/70

- sign 0.000+/-0.000 χ^2/NDF: 4955746.1/35



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:32.2/18

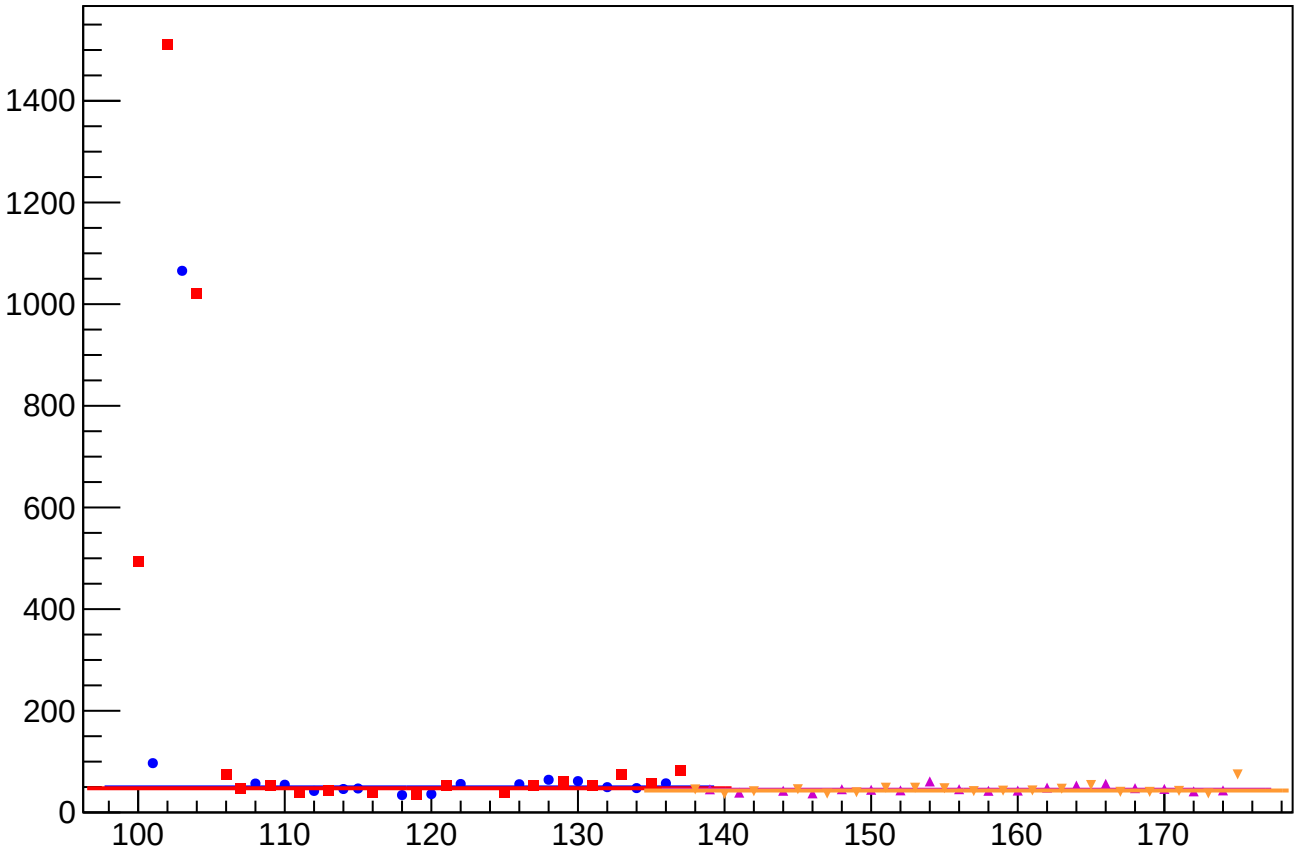
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:12.4/17

+ sign 0.005+/-0.011 χ^2/NDF: 50.8/34

All: 0.001+/-0.008 χ^2/NDF: 74.0/70

- sign -0.003+/-0.011 χ^2/NDF: 22.9/35



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 43.152+/-0.009 χ^2/NDF:527839.5/18

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

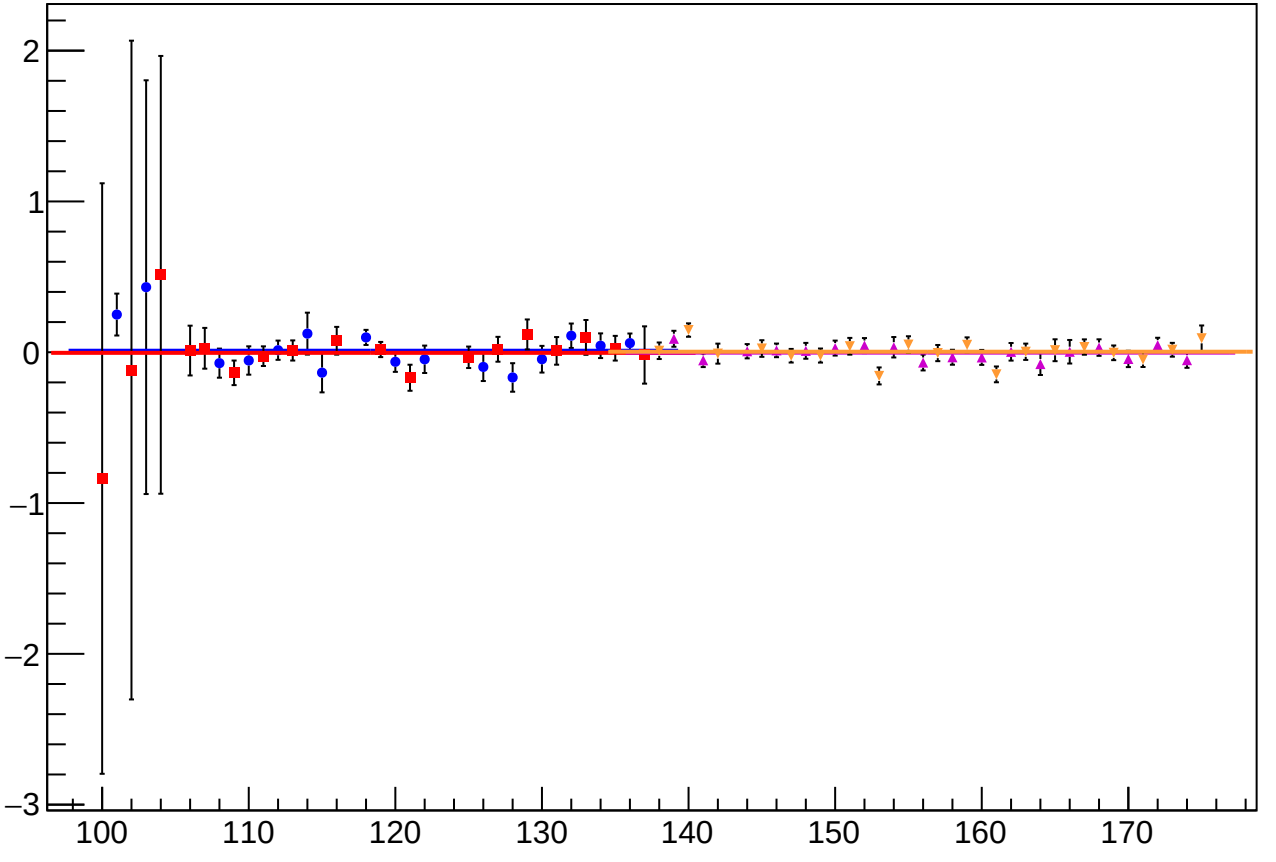
Left In: 44.730+/-0.009 χ^2/NDF:306466.6/17

+ sign 44.706+/-0.007 χ^2/NDF: 2435077.0/34

All: 45.069+/-0.005 χ^2/NDF: 5191363.0/70

- sign 45.450+/-0.008 χ^2/NDF: 2751391.5/35

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:32.2/18

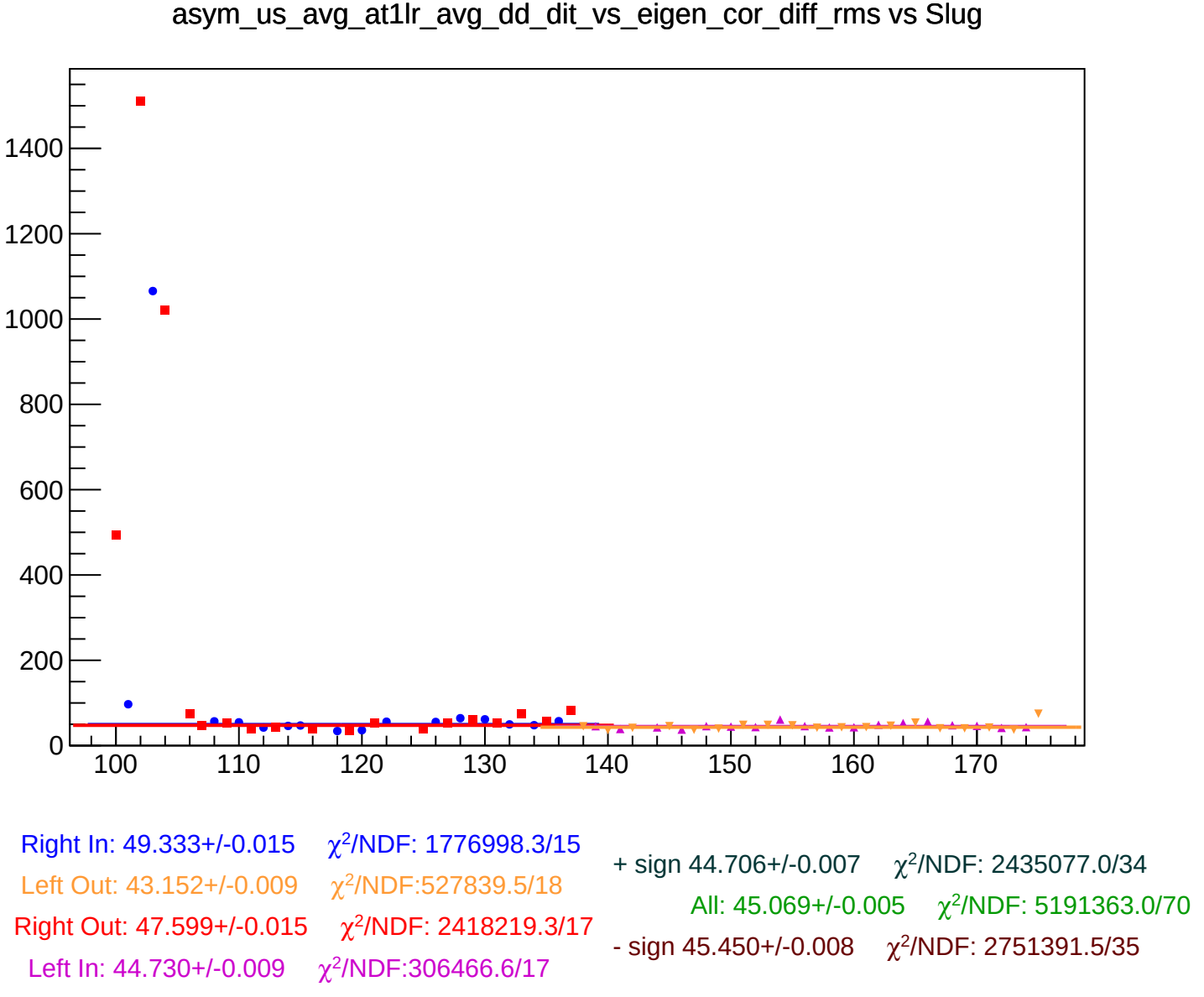
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

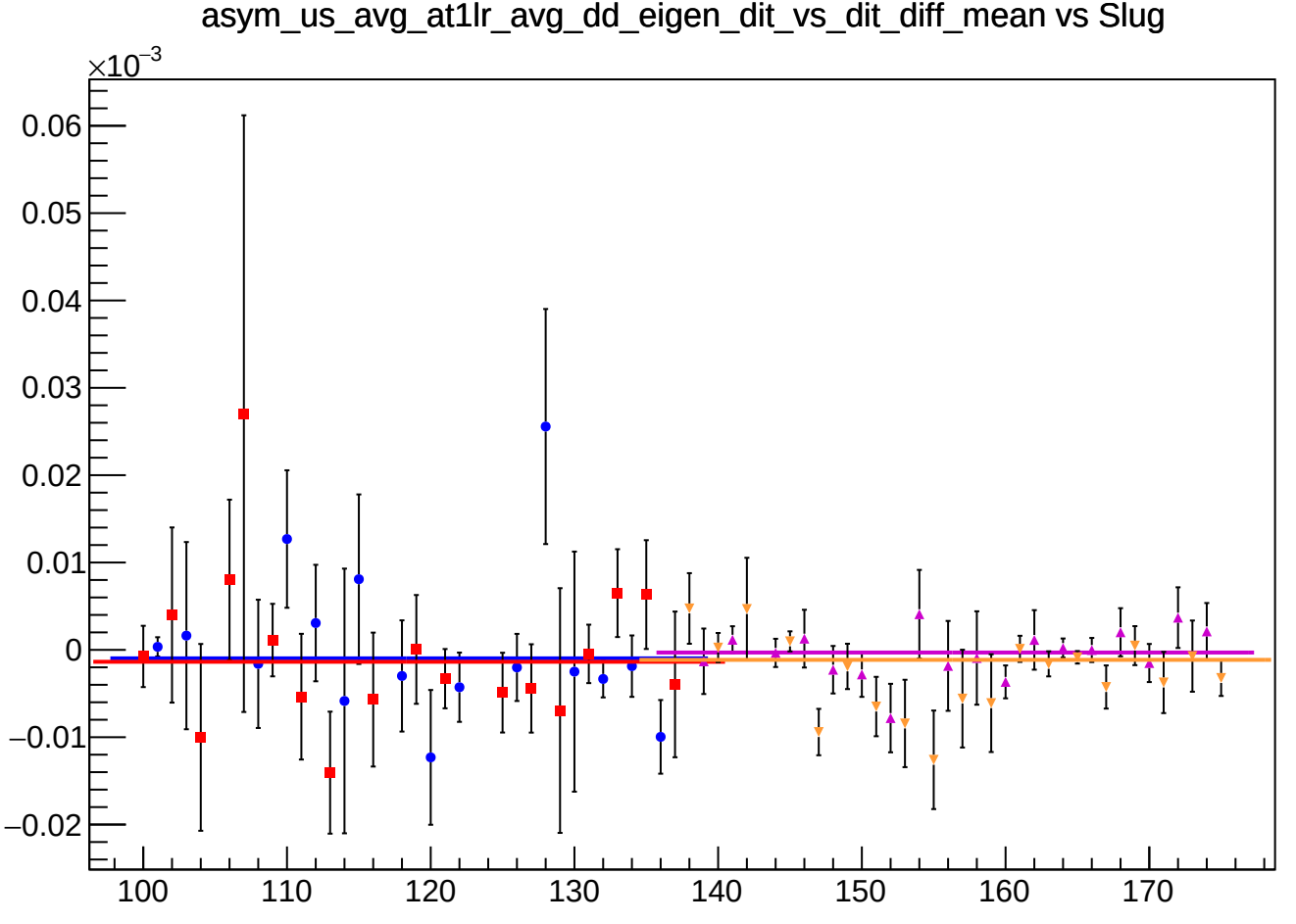
Left In: -0.003+/-0.012 χ^2/NDF:12.4/17

+ sign 0.005+/-0.011 χ^2/NDF: 50.8/34

All: 0.001+/-0.008 χ^2/NDF: 74.0/70

- sign -0.003+/-0.011 χ^2/NDF: 22.9/35


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
Right In: 49.333+/-0.015 χ2/NDF: 1776998.3/15
Left Out: 43.152+/-0.009 χ2/NDF:527839.5/18
Right Out: 47.599+/-0.015 χ2/NDF: 2418219.3/17
Left In: 44.730+/-0.009 χ2/NDF:306466.6/17
+ sign 44.706+/-0.007 χ2/NDF: 2435077.0/34
All: 45.069+/-0.005 χ2/NDF: 5191363.0/70
- sign 45.450+/-0.008 χ2/NDF: 2751391.5/35



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/18

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

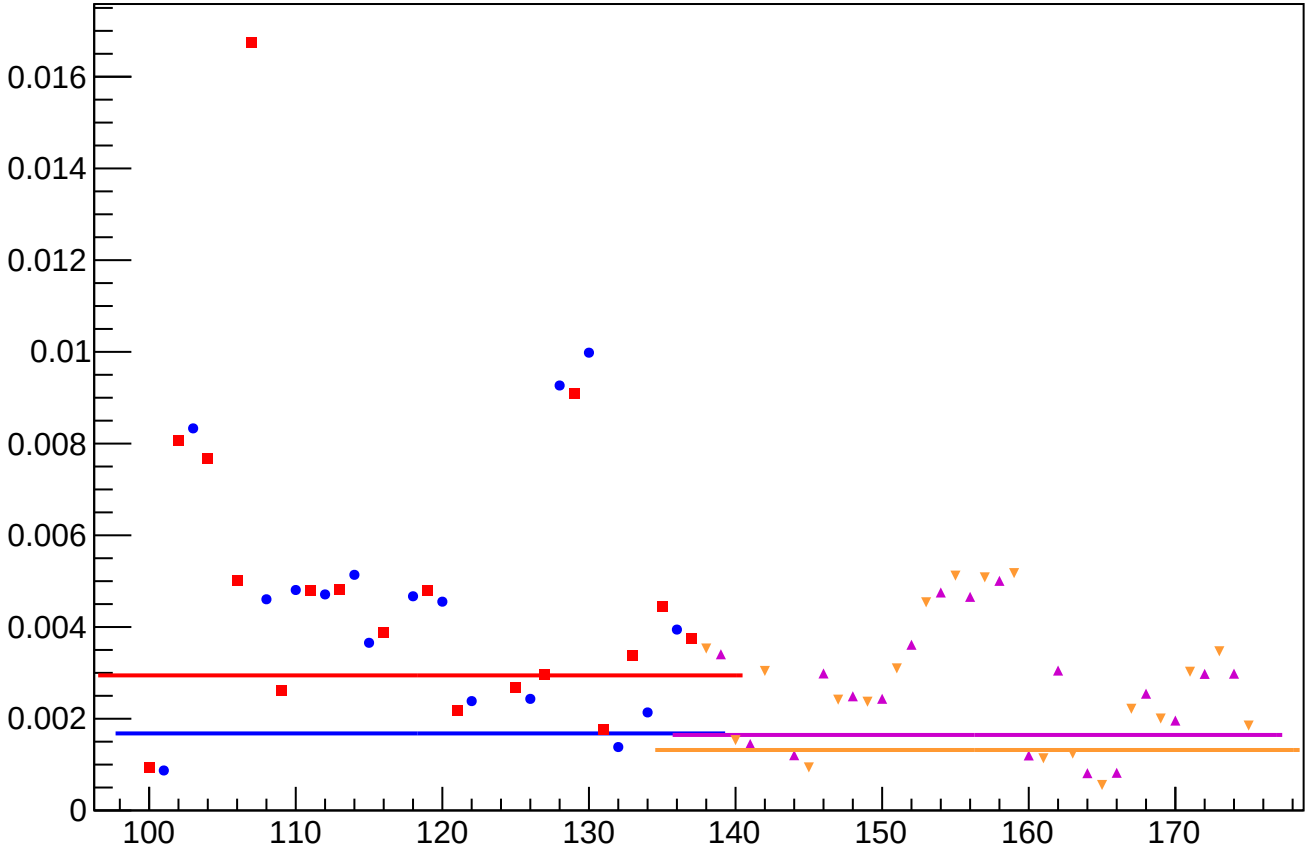
Left In: -0.000+/-0.000 χ^2/NDF:13.7/17

+ sign -0.000+/-0.000 χ^2/NDF: 50.5/34

All: -0.000+/-0.000 χ^2/NDF: 78.5/70

- sign -0.000+/-0.000 χ^2/NDF: 26.9/35

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:9764704.7/18

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

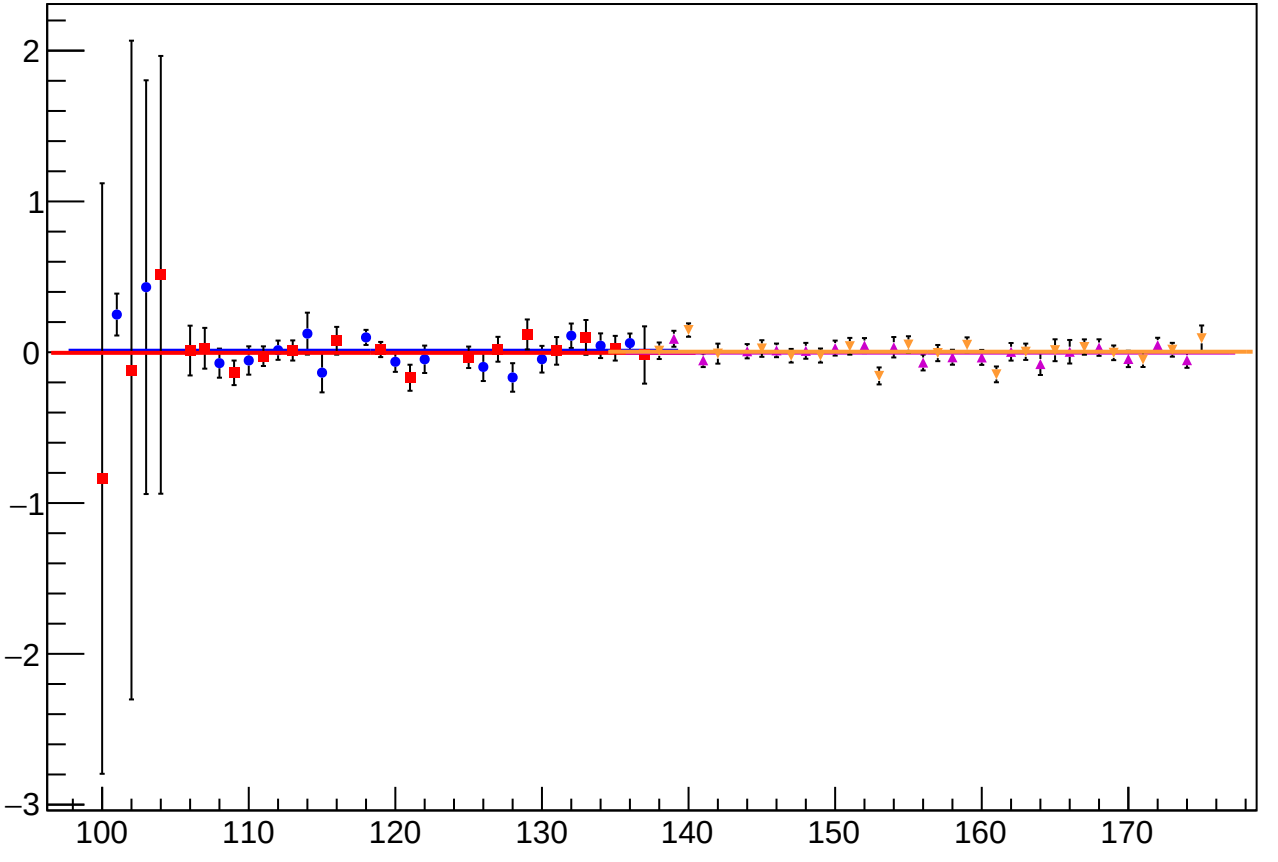
Left In: 0.002+/-0.000 χ^2/NDF:7273224.8/17

\+ sign 0.001+/-0.000 χ^2/NDF: 16023166.3/34

All: 0.002+/-0.000 χ^2/NDF: 29405876.9/70

\- sign 0.002+/-0.000 χ^2/NDF: 12396346.9/35

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:32.2/18

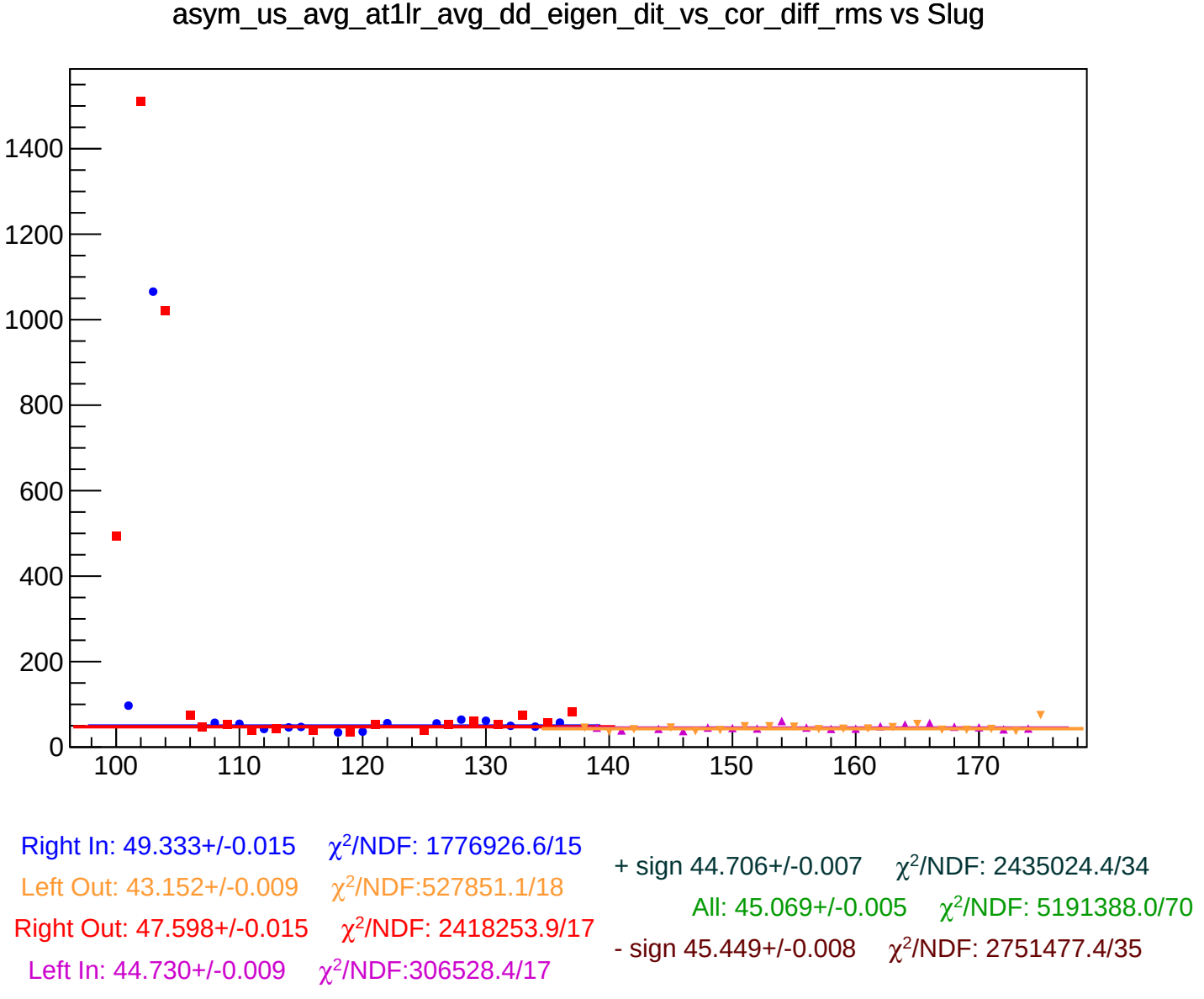
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:12.4/17

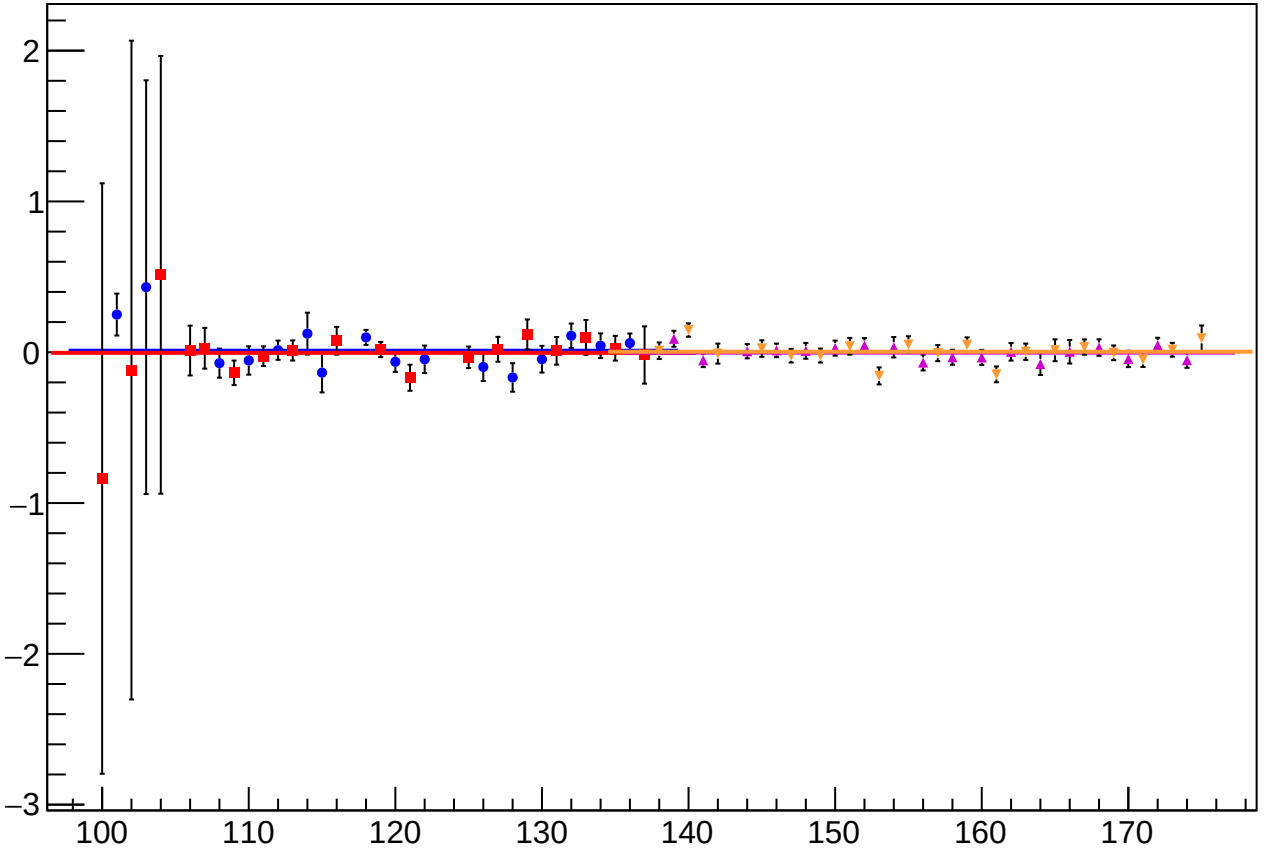
+ sign 0.005+/-0.011 χ^2/NDF: 50.8/34

All: 0.001+/-0.008 χ^2/NDF: 74.0/70

- sign -0.003+/-0.011 χ^2/NDF: 22.9/35


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 43.152+/-0.009 χ²/NDF:527851.1/18
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 44.730+/-0.009 χ²/NDF:306528.4/17
+ sign 44.706+/-0.007 χ²/NDF: 2435024.4/34
All: 45.069+/-0.005 χ²/NDF: 5191388.0/70
- sign 45.449+/-0.008 χ²/NDF: 2751477.4/35

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:32.2/18

Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

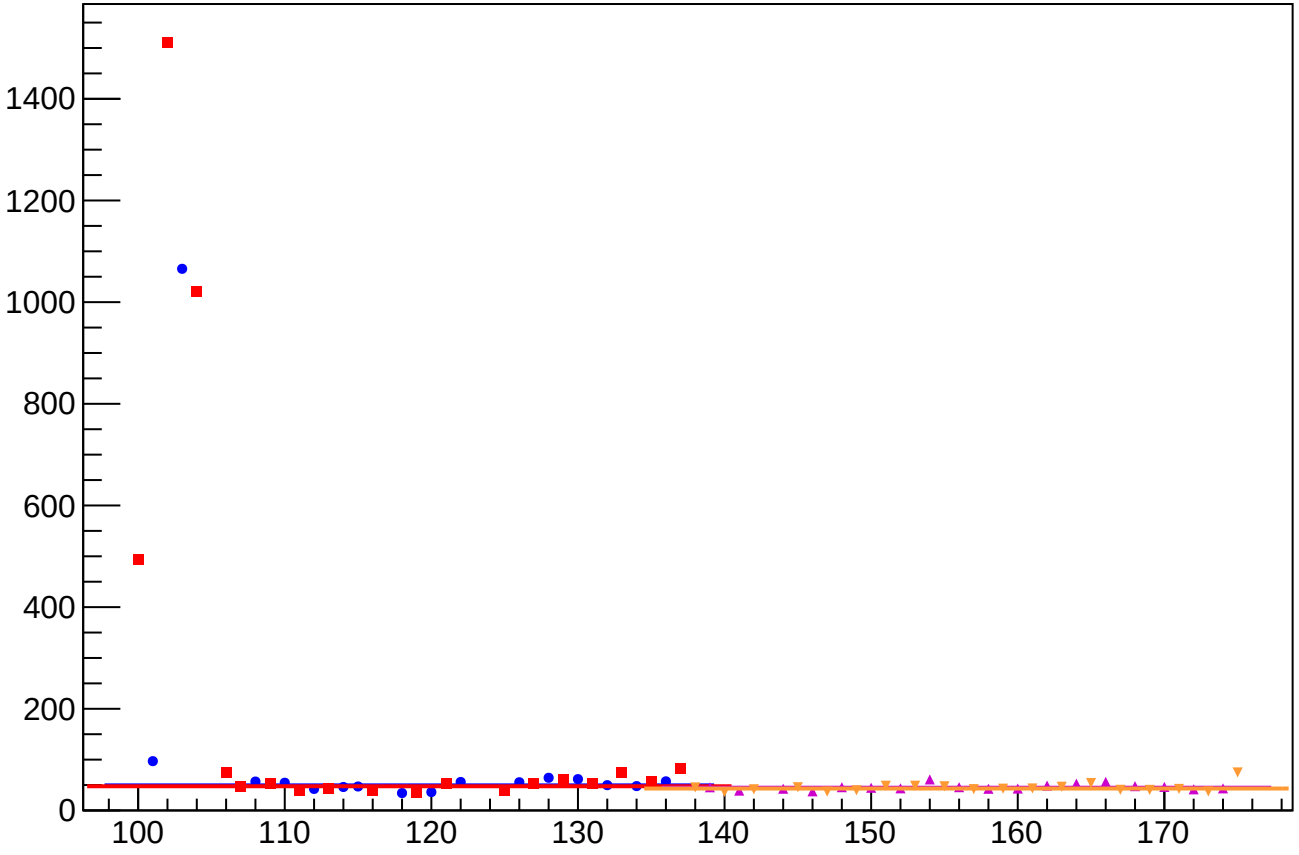
Left In: -0.003+/-0.012 χ^2/NDF:12.4/17

+ sign 0.005+/-0.011 χ^2/NDF: 50.8/34

All: 0.001+/-0.008 χ^2/NDF: 74.0/70

- sign -0.003+/-0.011 χ^2/NDF: 22.9/35

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 43.152+/-0.009 χ^2/NDF:527851.1/18

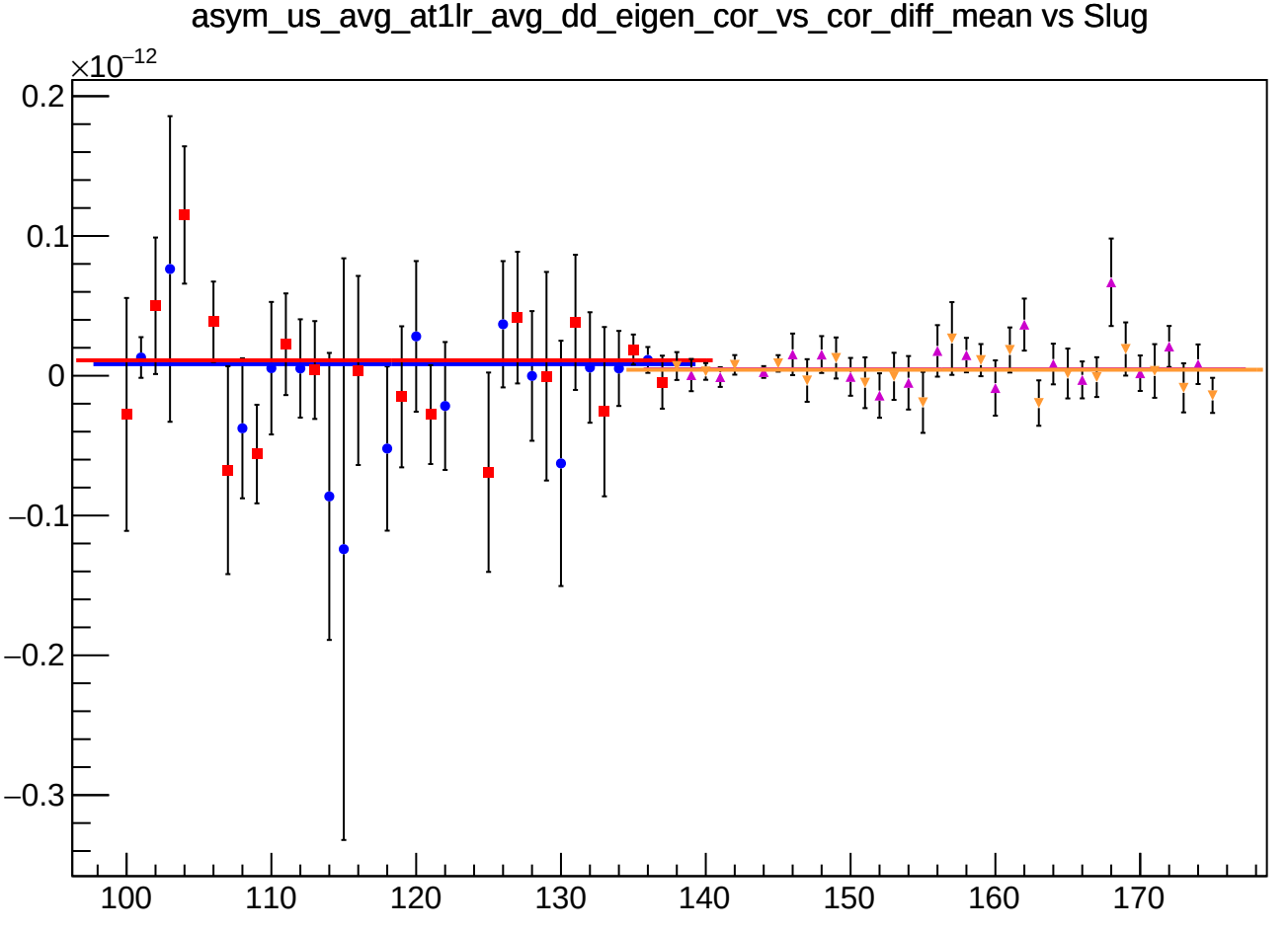
Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

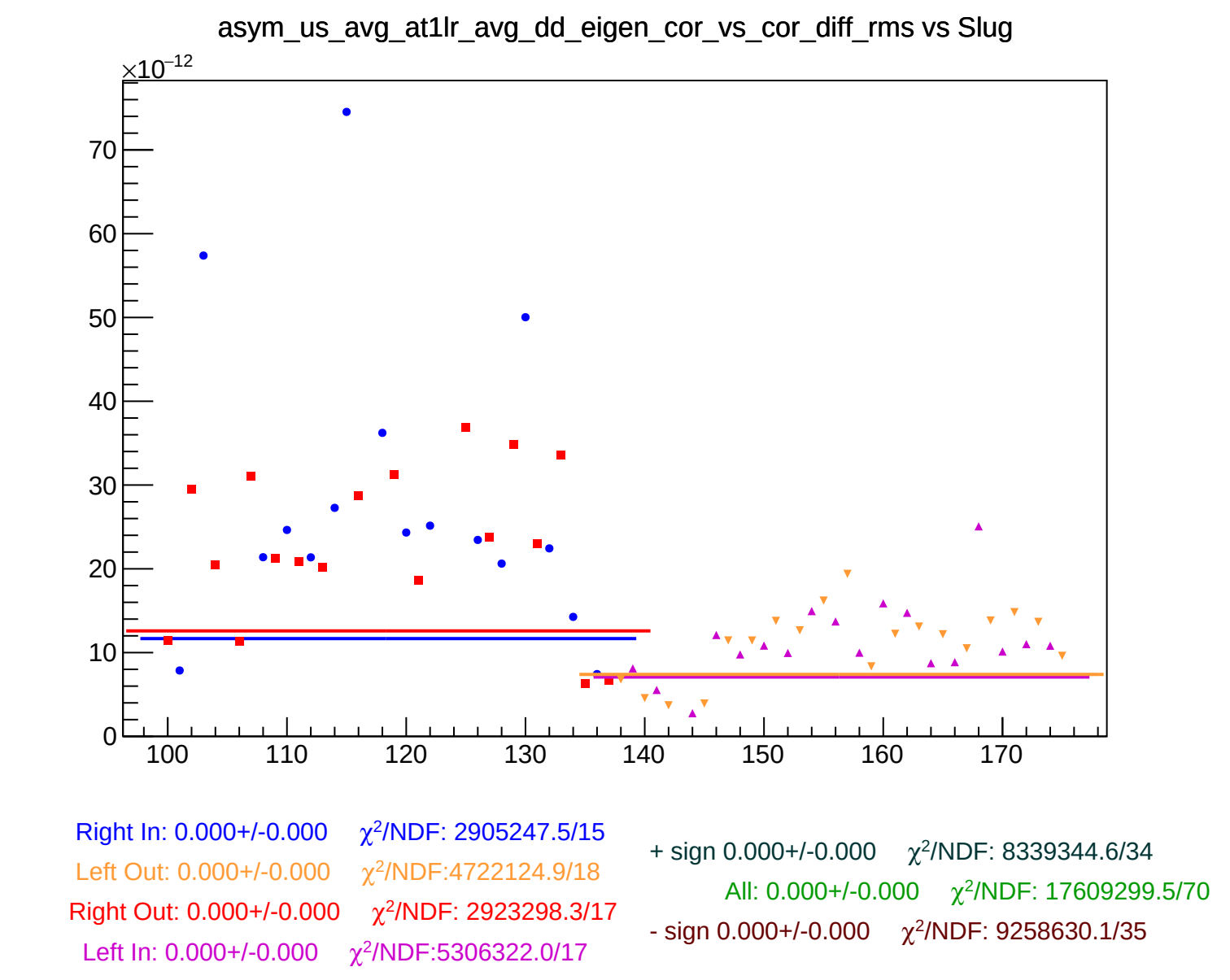
Left In: 44.730+/-0.009 χ^2/NDF:306528.4/17

+ sign 44.706+/-0.007 χ^2/NDF: 2435024.4/34

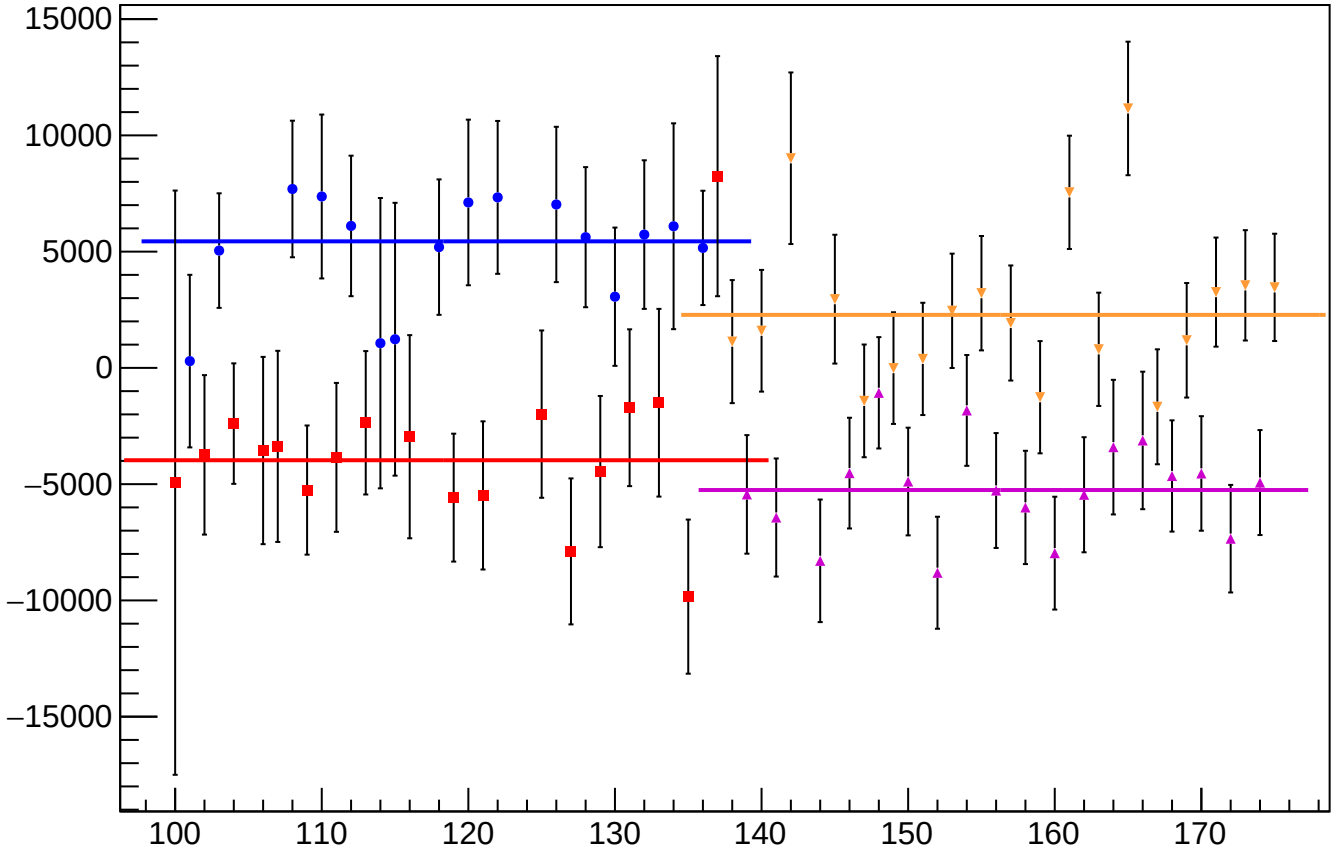
All: 45.069+/-0.005 χ^2/NDF: 5191388.0/70

- sign 45.449+/-0.008 χ^2/NDF: 2751477.4/35


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:10.5/18
Right Out: 0.000+/-0.000 χ²/NDF: 16.2/17
Left In: 0.000+/-0.000 χ²/NDF:14.2/17
+ sign 0.000+/-0.000 χ²/NDF: 16.2/34
All: 0.000+/-0.000 χ²/NDF: 47.4/70
- sign 0.000+/-0.000 χ²/NDF: 31.1/35


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:4722124.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:5306322.0/17
+ sign 0.000+/-0.000 χ²/NDF: 8339344.6/34
All: 0.000+/-0.000 χ²/NDF: 17609299.5/70
- sign 0.000+/-0.000 χ²/NDF: 9258630.1/35

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2279.698+/-576.629 χ^2/NDF:27.9/18

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

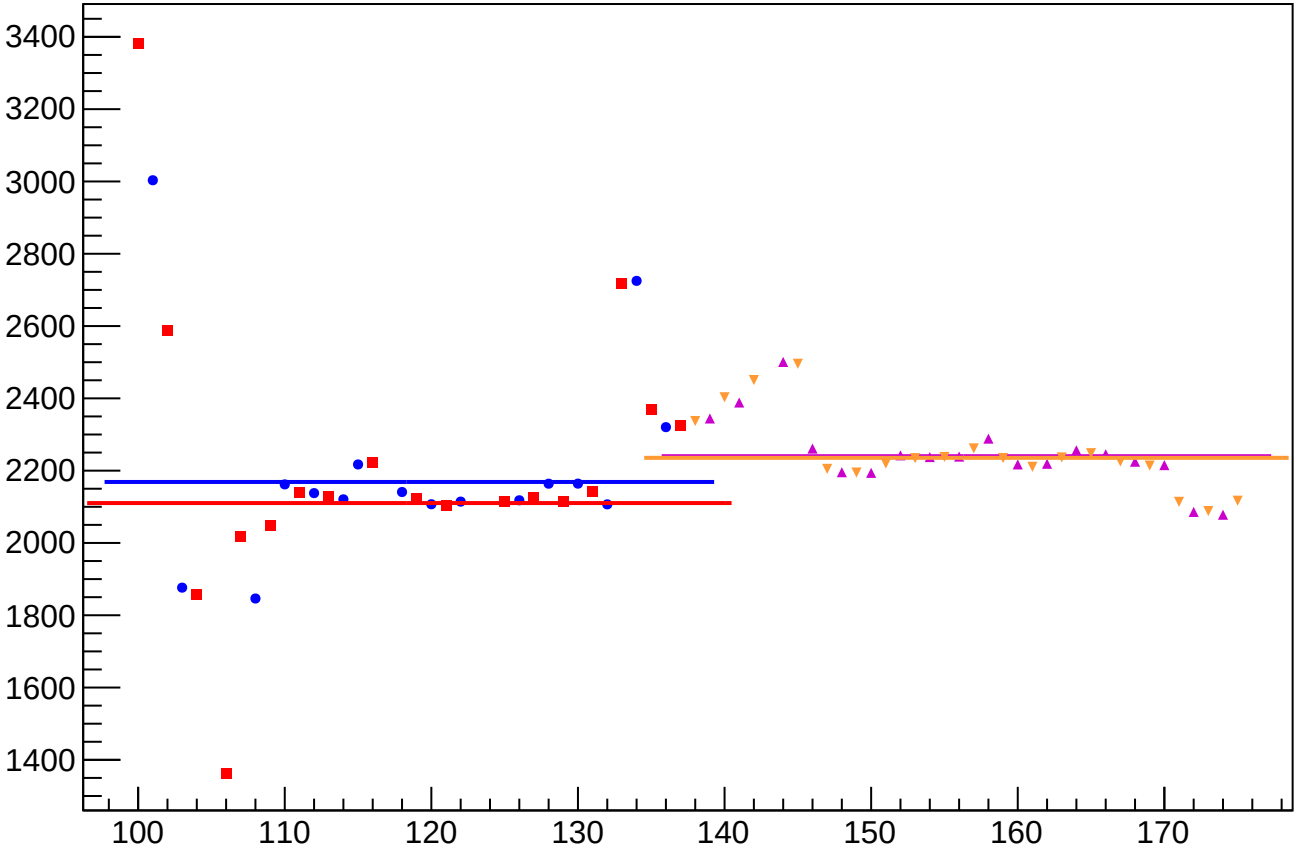
Left In: -5252.475+/-581.195 χ^2/NDF:12.2/17

+ sign 3338.998+/-470.247 χ^2/NDF: 43.4/34

All: -723.407+/-333.140 χ^2/NDF: 220.0/70

- sign -4816.500+/-472.020 χ^2/NDF: 26.9/35

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2235.471+/-0.408 χ^2/NDF:55609.2/18

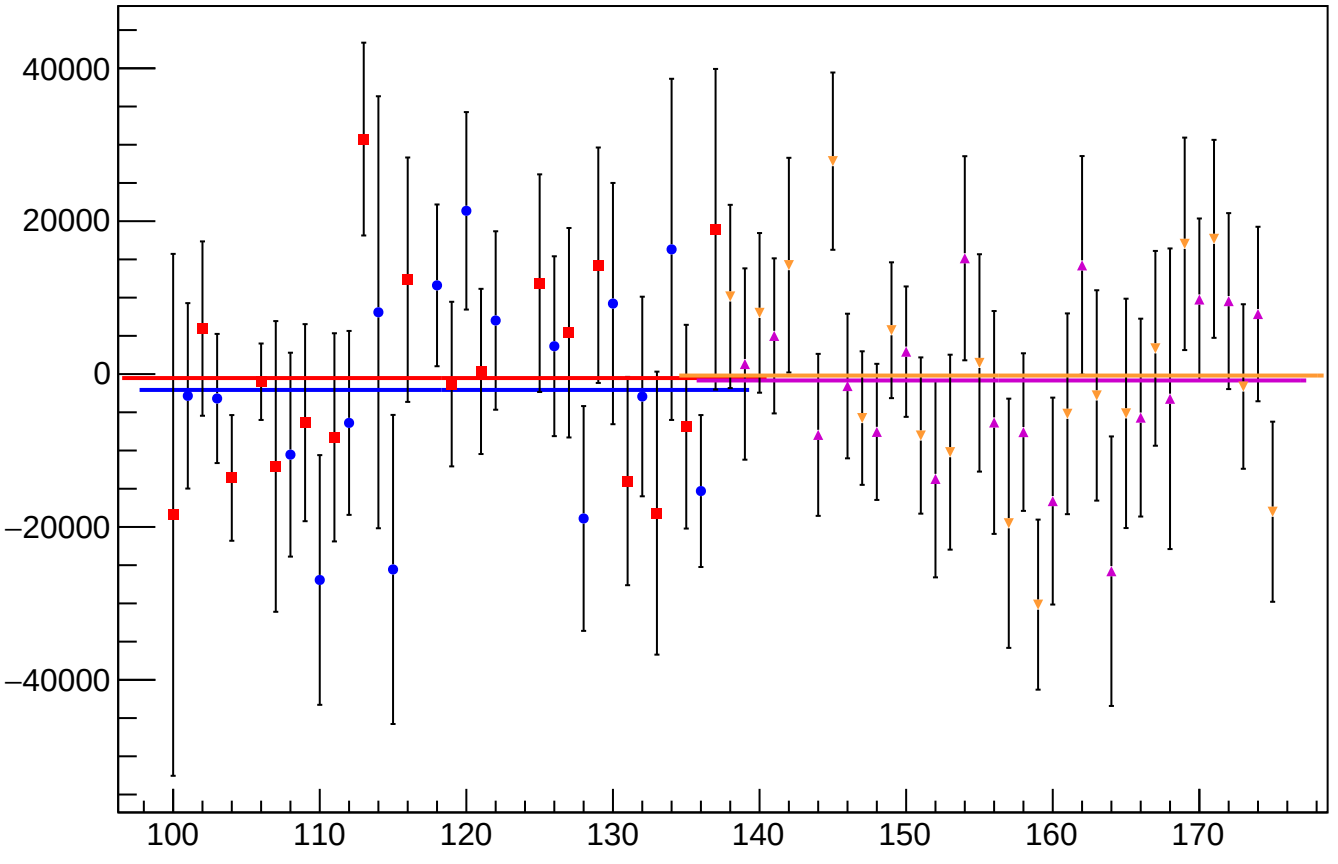
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2240.031+/-0.411 χ^2/NDF:52040.7/17

\+ sign 2213.112+/-0.333 χ^2/NDF: 260246.6/34

All: 2204.017+/-0.235 χ^2/NDF: 615800.7/70

\- sign 2194.954+/-0.332 χ^2/NDF: 354060.5/35



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: -192.570+/-2715.657 χ^2/NDF:25.1/18

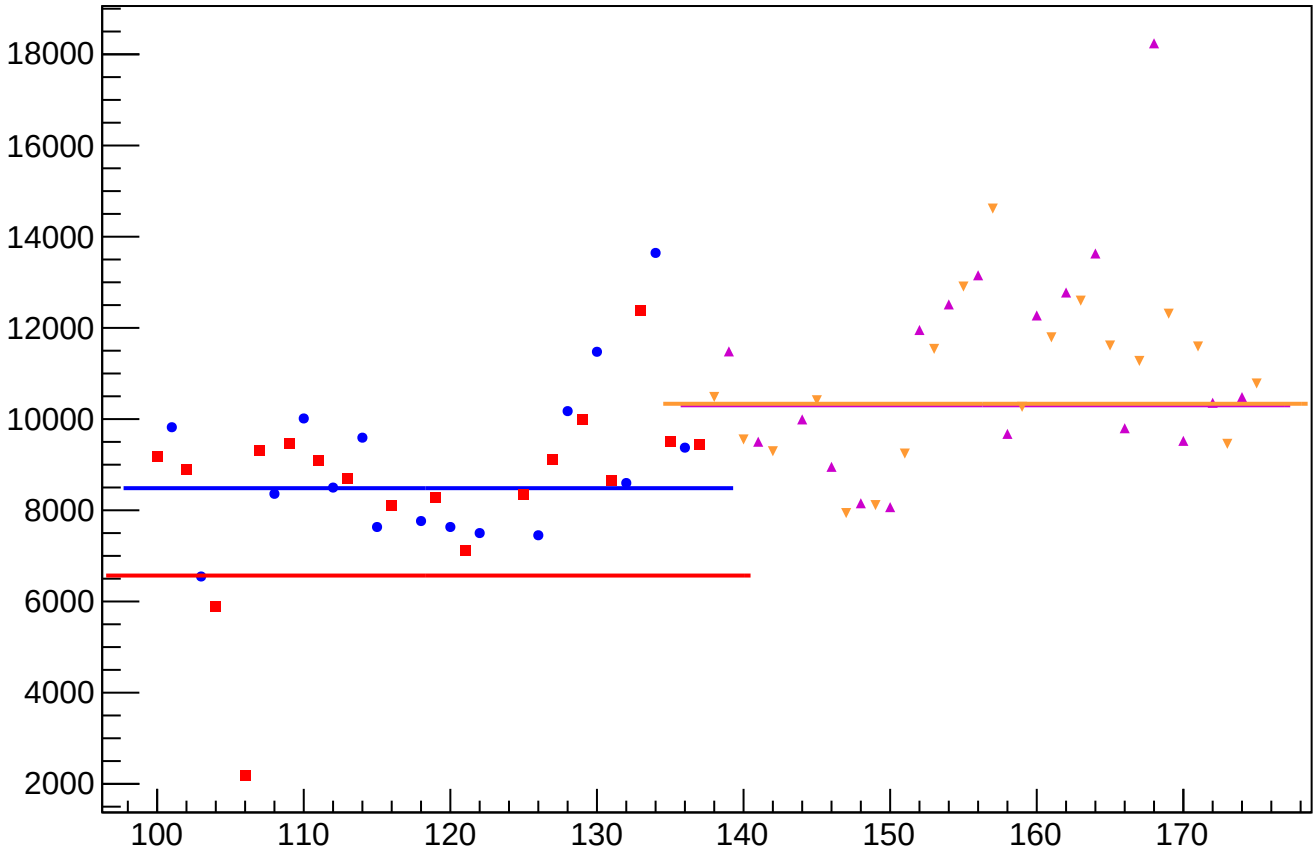
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -836.476+/-2726.071 χ^2/NDF:11.6/17

\+ sign -977.168+/-2073.817 χ^2/NDF: 39.7/34

All: -816.574+/-1410.430 χ^2/NDF: 67.1/70

\- sign -678.358+/-1923.906 χ^2/NDF: 27.3/35



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10335.982+/-1.920 χ^2/NDF:721899.6/18

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

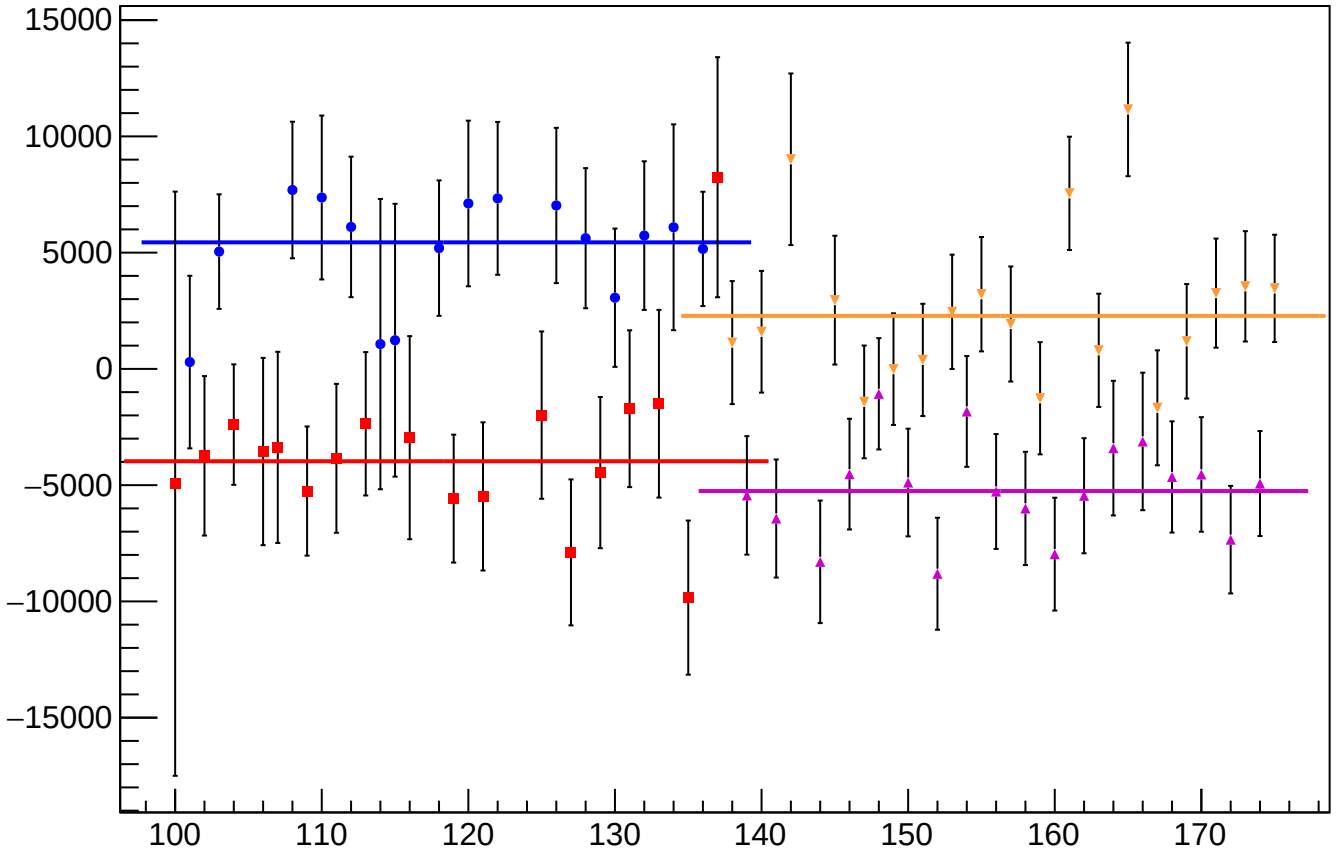
Left In: 10302.702+/-1.928 χ^2/NDF:1011938.2/17

+ sign 9564.427+/-1.466 χ^2/NDF: 1531907.6/34

All: 8953.934+/-0.997 χ^2/NDF: 7318622.6/70

- sign 8428.513+/-1.360 χ^2/NDF: 5464225.6/35

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2279.624+/-576.629 χ^2/NDF:27.9/18

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

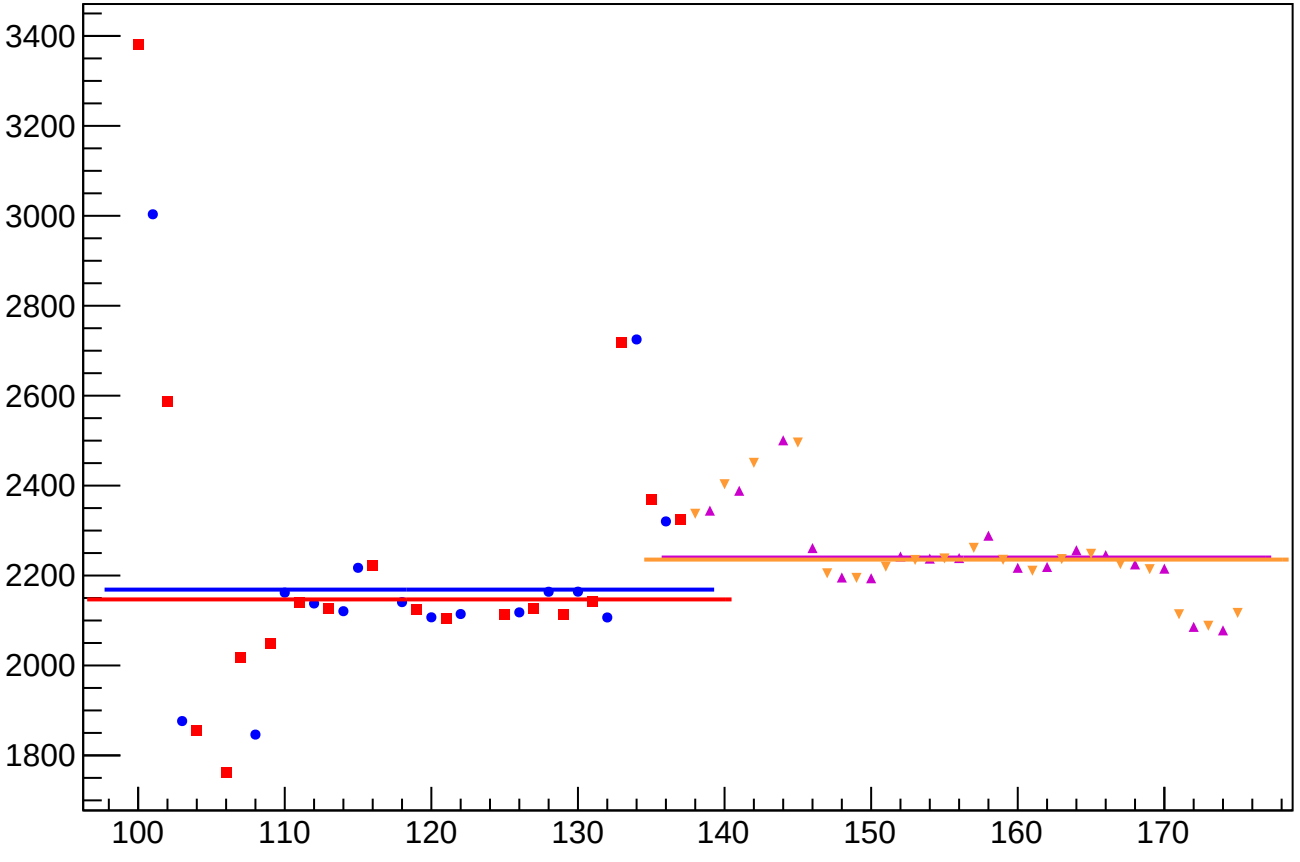
Left In: -5252.456+/-581.195 χ^2/NDF:12.2/17

+ sign 3338.996+/-470.247 χ^2/NDF: 43.4/34

All: -723.358+/-333.140 χ^2/NDF: 220.0/70

- sign -4816.400+/-472.020 χ^2/NDF: 26.9/35

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2235.471+/-0.408 χ^2/NDF:55609.2/18

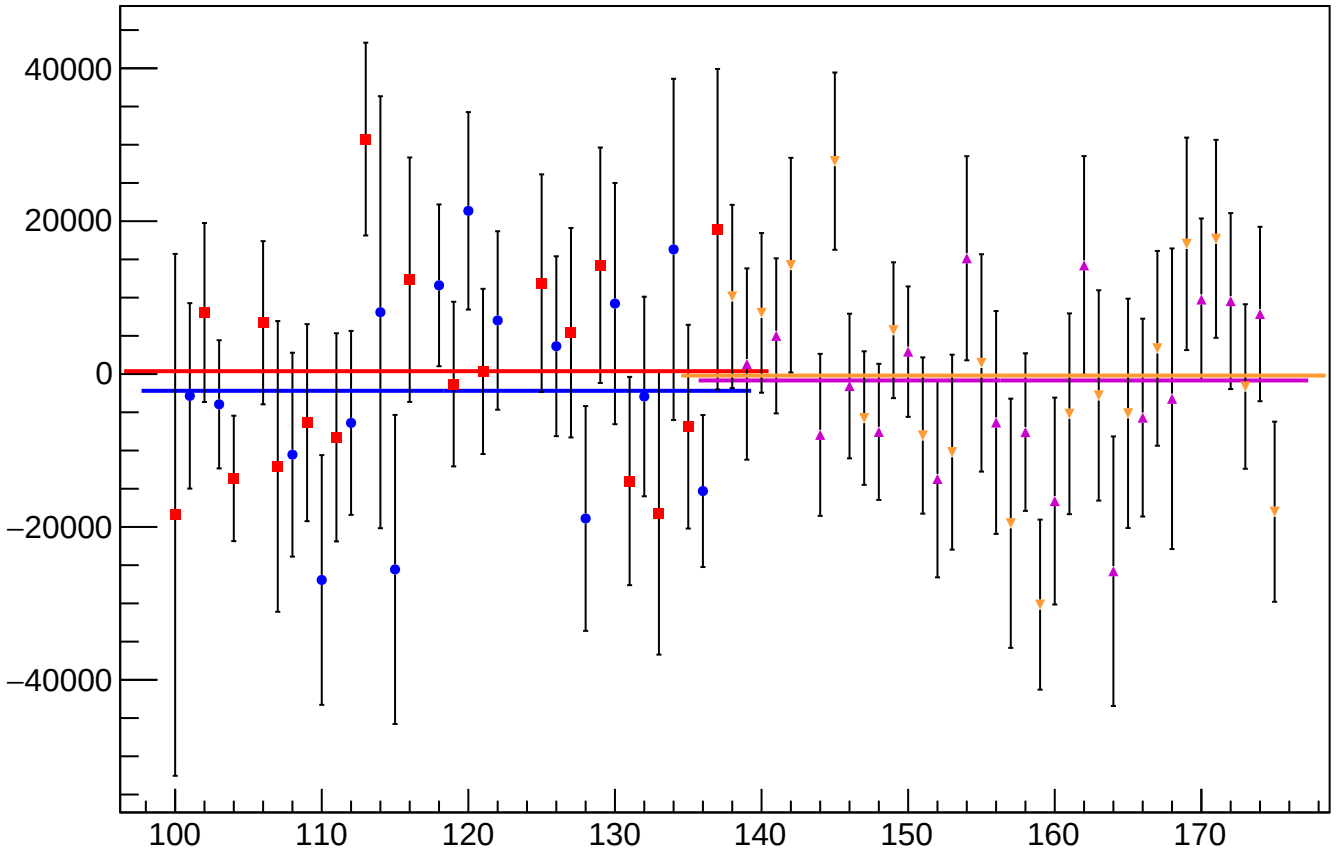
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2240.031+/-0.411 χ^2/NDF:52040.7/17

+ sign 2213.112+/-0.333 χ^2/NDF: 260247.1/34

All: 2210.619+/-0.235 χ^2/NDF: 487751.8/70

- sign 2208.116+/-0.333 χ^2/NDF: 227392.1/35



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -192.579+/-2715.656 χ^2/NDF:25.1/18

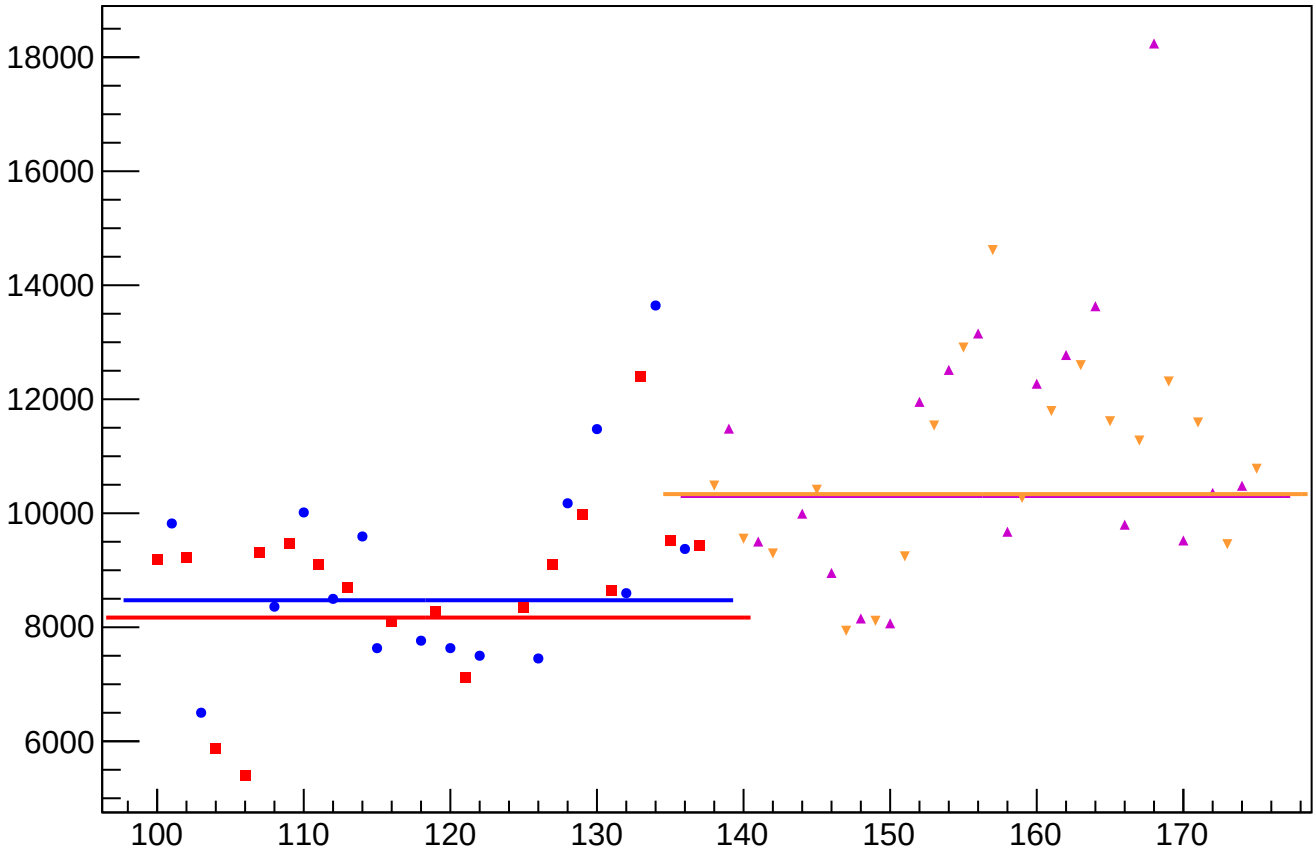
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -836.583+/-2726.070 χ^2/NDF:11.6/17

+ sign -1025.944+/-2072.855 χ^2/NDF: 39.8/34

All: -661.666+/-1456.544 χ^2/NDF: 67.9/70

- sign -306.378+/-2047.116 χ^2/NDF: 28.0/35



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10335.976+/-1.920 χ^2/NDF:721900.6/18

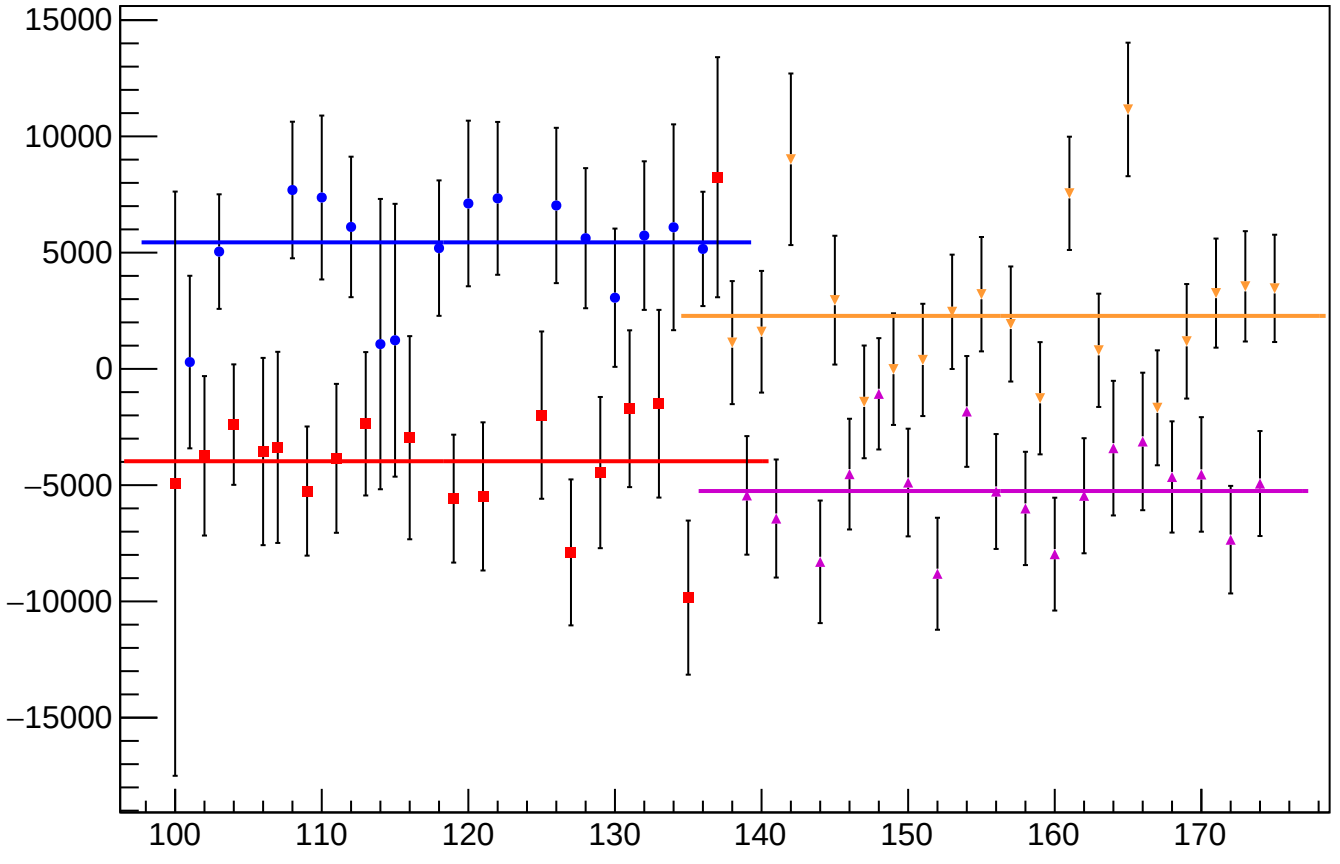
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10302.698+/-1.928 χ^2/NDF:1011944.4/17

+ sign 9558.725+/-1.466 χ^2/NDF: 1543980.7/34

All: 9464.533+/-1.030 χ^2/NDF: 3637808.2/70

- sign 9372.665+/-1.448 χ^2/NDF: 2085669.9/35



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2279.624+/-576.629 χ^2/NDF:27.9/18

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

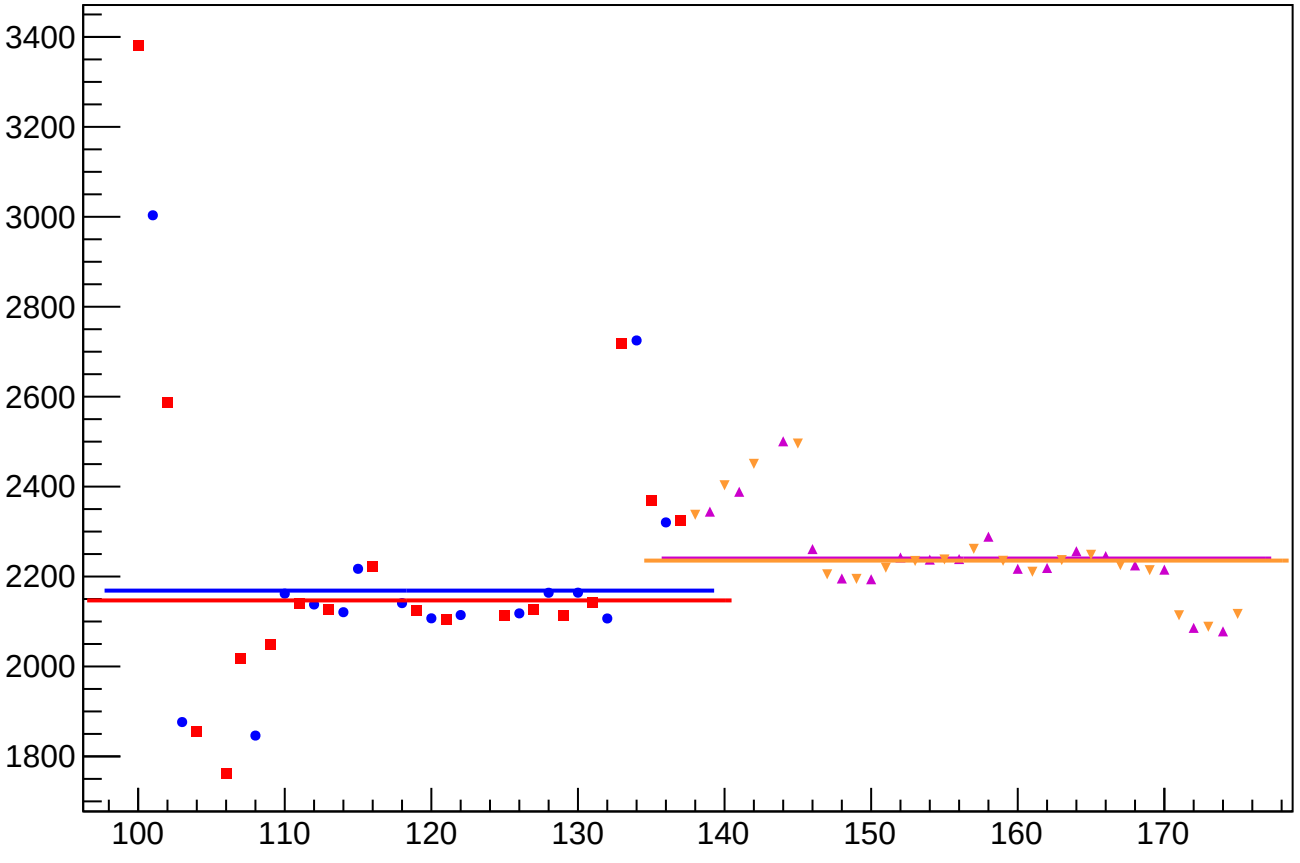
Left In: -5252.456+/-581.195 χ^2/NDF:12.2/17

+ sign 3338.996+/-470.247 χ^2/NDF: 43.4/34

All: -723.358+/-333.140 χ^2/NDF: 220.0/70

- sign -4816.400+/-472.020 χ^2/NDF: 26.9/35

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2235.471+/-0.408 χ^2/NDF:55609.2/18

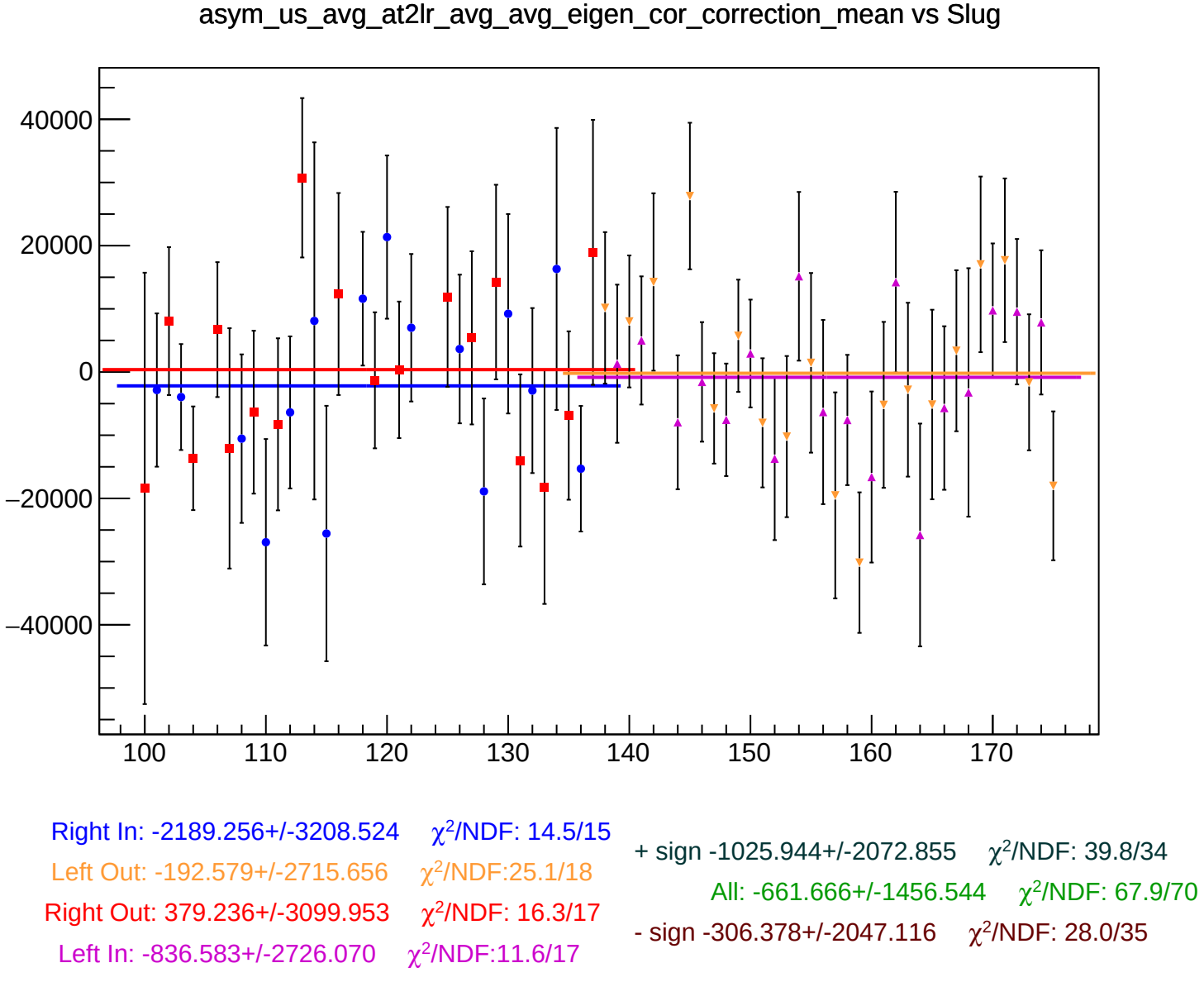
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

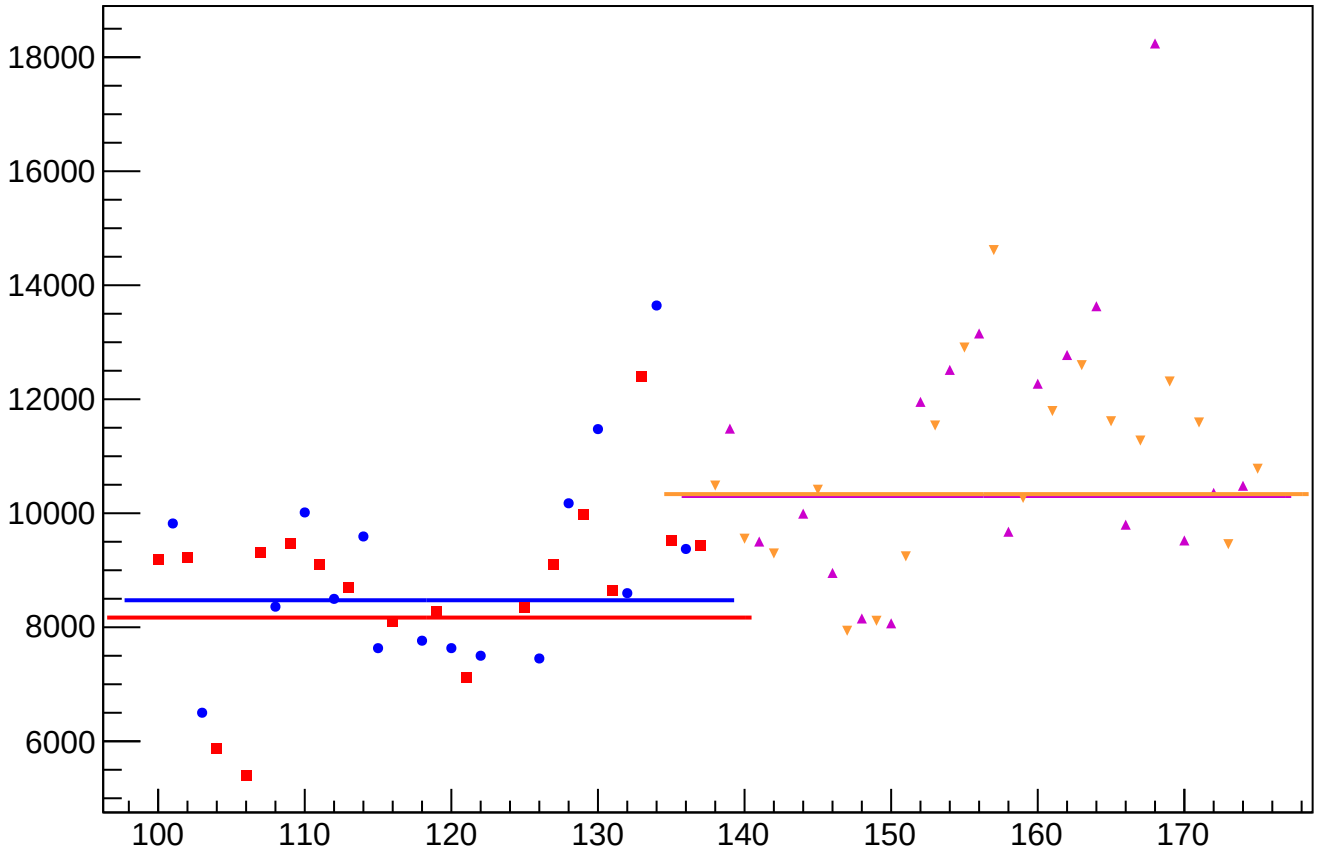
Left In: 2240.031+/-0.411 χ^2/NDF:52040.7/17

+ sign 2213.112+/-0.333 χ^2/NDF: 260247.1/34

All: 2210.619+/-0.235 χ^2/NDF: 487751.8/70

- sign 2208.116+/-0.333 χ^2/NDF: 227392.1/35


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -192.579+/-2715.656 χ²/NDF:25.1/18
Right Out: 379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: -836.583+/-2726.070 χ²/NDF:11.6/17
+ sign -1025.944+/-2072.855 χ²/NDF: 39.8/34
All: -661.666+/-1456.544 χ²/NDF: 67.9/70
- sign -306.378+/-2047.116 χ²/NDF: 28.0/35



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10335.976+/-1.920 χ^2/NDF:721900.6/18

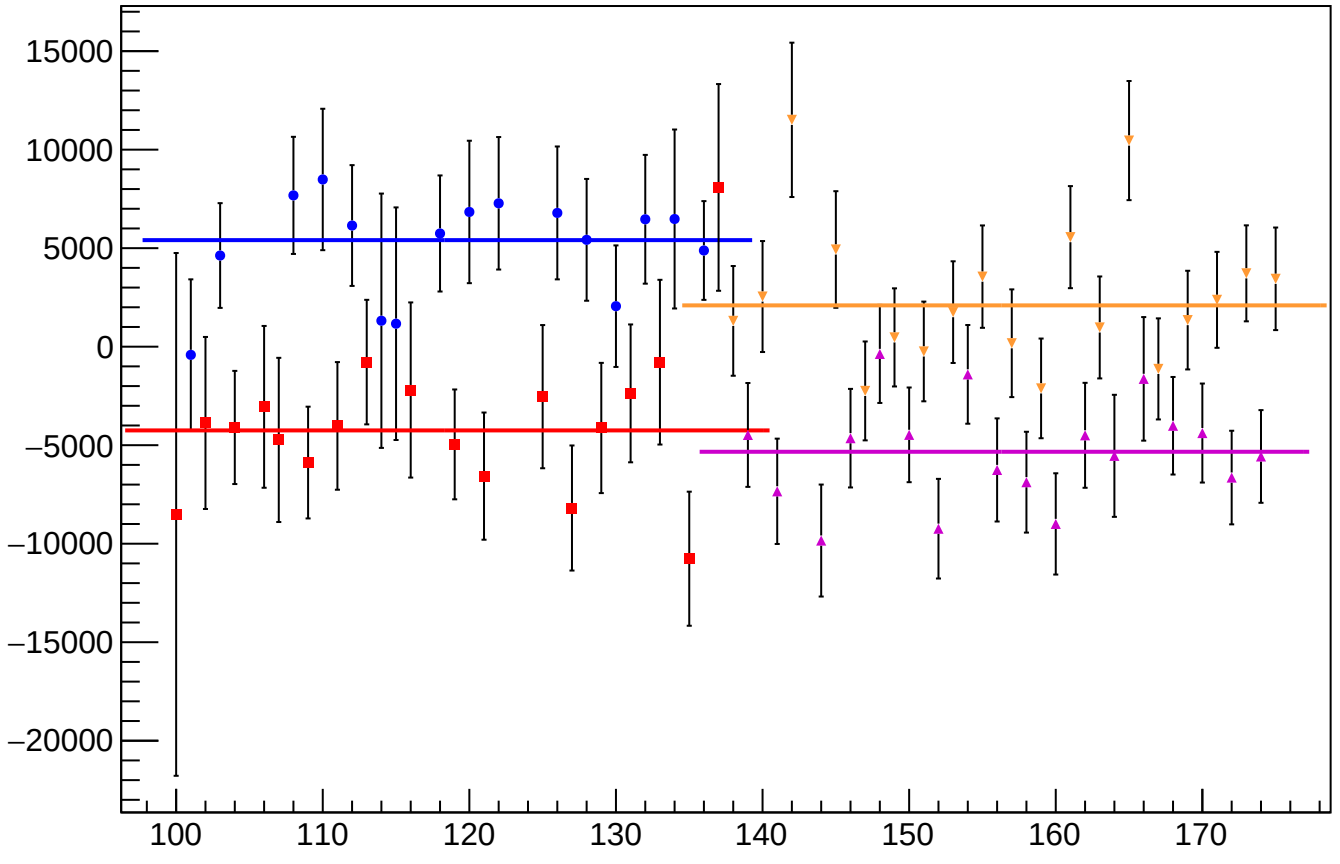
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10302.698+/-1.928 χ^2/NDF:1011944.4/17

+ sign 9558.725+/-1.466 χ^2/NDF: 1543980.7/34

All: 9464.533+/-1.030 χ^2/NDF: 3637808.2/70

- sign 9372.665+/-1.448 χ^2/NDF: 2085669.9/35



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2096.284+/-608.247 χ^2/NDF:26.7/18

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

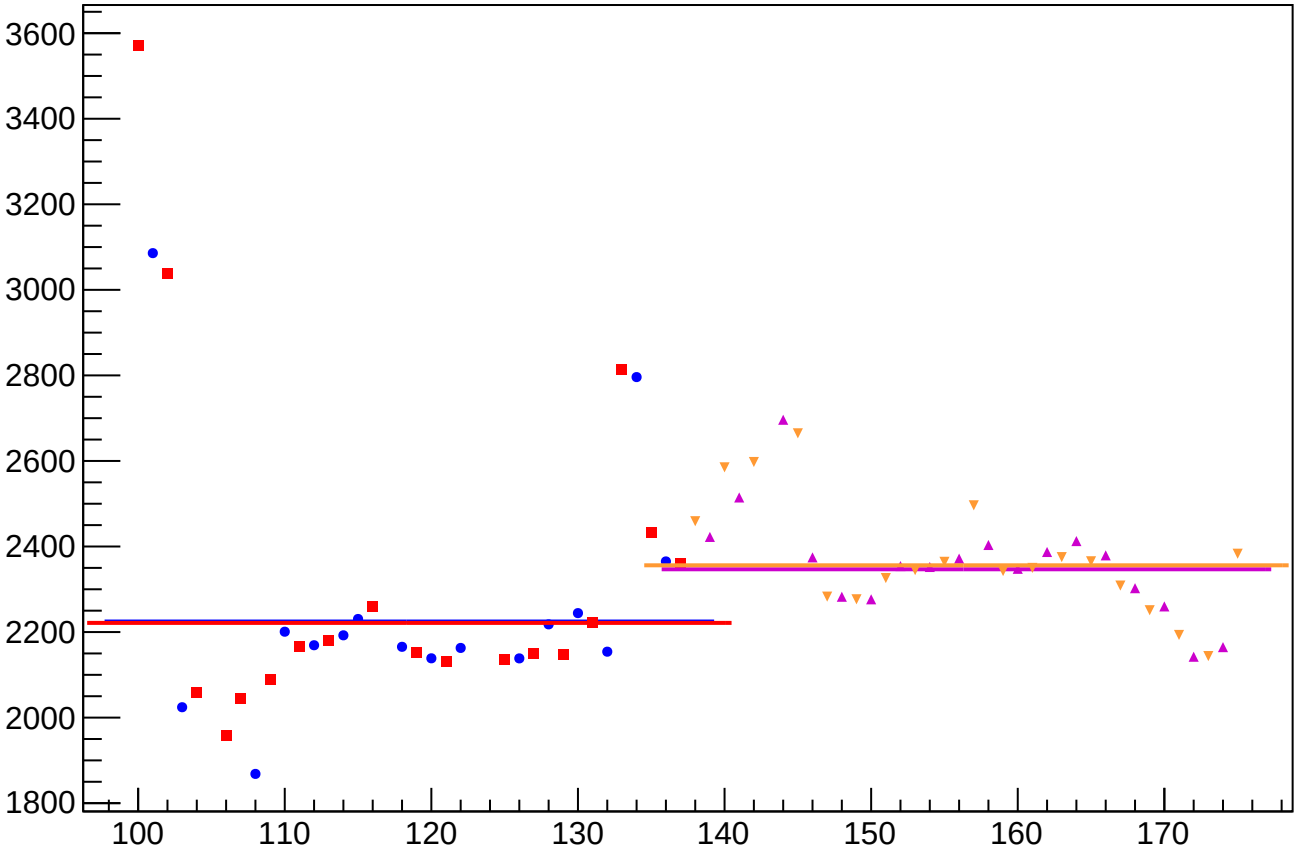
Left In: -5334.143+/-609.242 χ^2/NDF:17.0/17

+ sign 3246.675+/-491.370 χ^2/NDF: 43.7/34

All: -842.691+/-348.042 χ^2/NDF: 215.3/70

- sign -4960.005+/-493.046 χ^2/NDF: 32.5/35

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2356.055+/-0.430 χ^2/NDF:83363.8/18

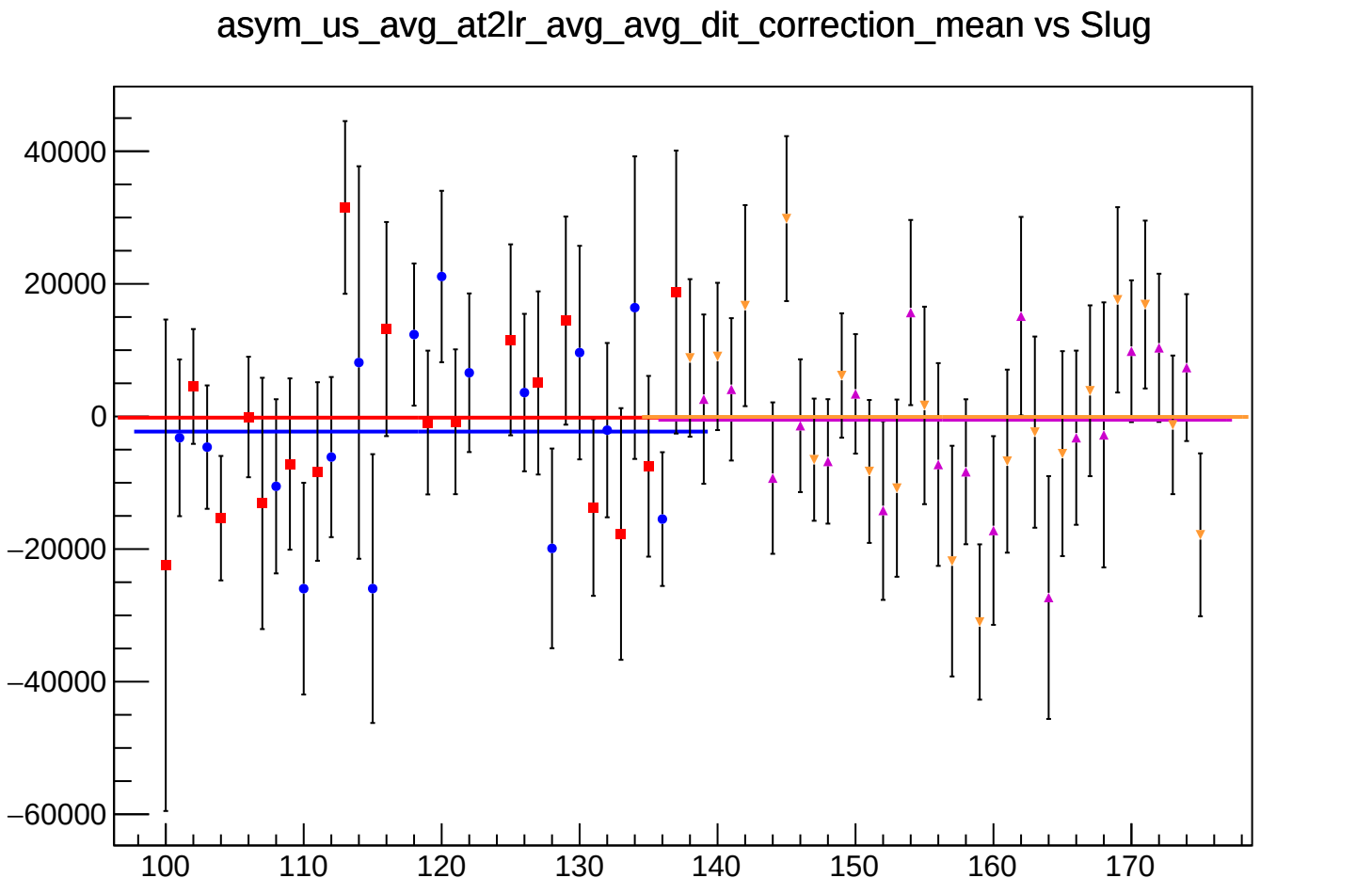
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2346.747+/-0.431 χ^2/NDF:75661.4/17

+ sign 2310.394+/-0.347 χ^2/NDF: 300488.2/34

All: 2306.942+/-0.246 χ^2/NDF: 575517.3/70

- sign 2303.468+/-0.349 χ^2/NDF: 274831.0/35



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -70.517+/-2818.757 χ^2/NDF:24.9/18

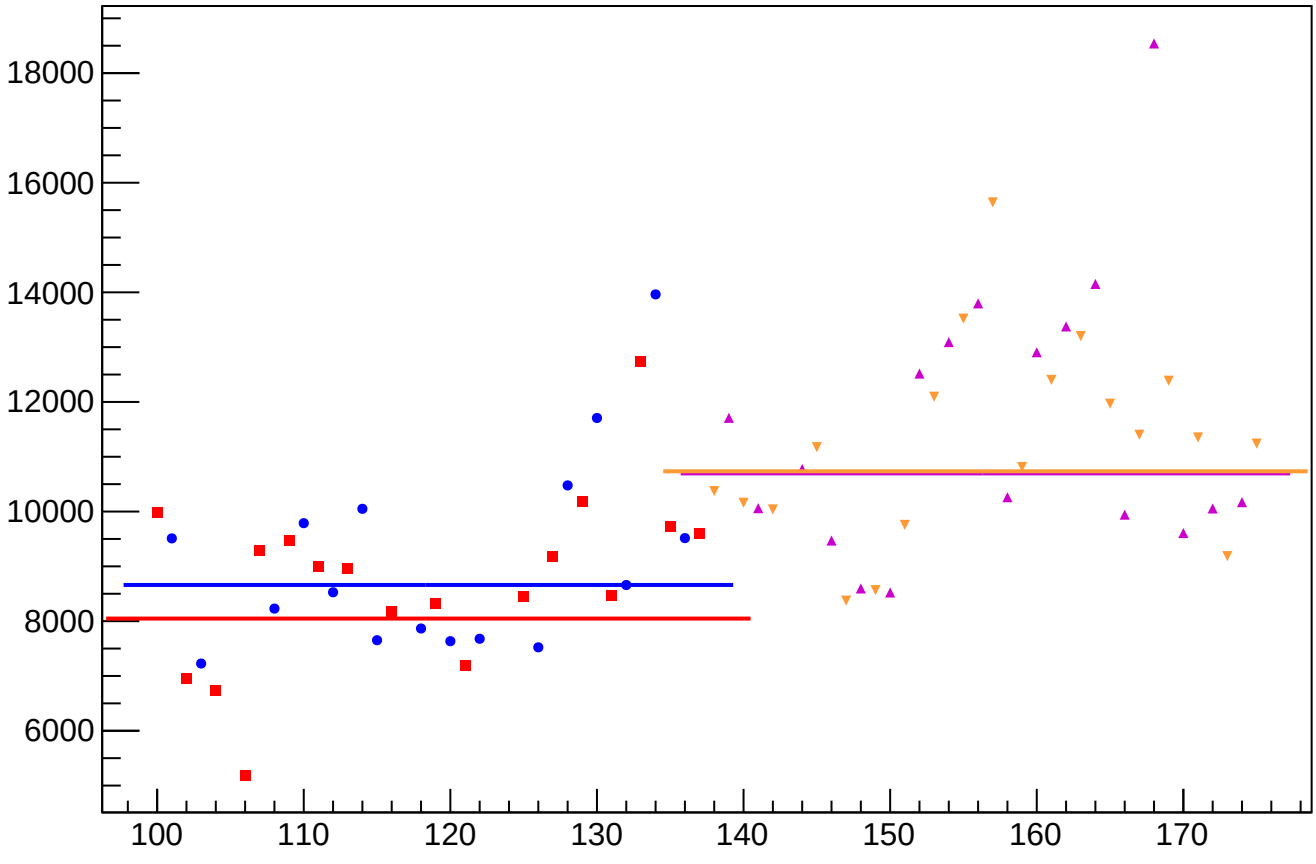
Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -498.184+/-2828.664 χ^2/NDF:11.6/17

+ sign -1011.164+/-2135.509 χ^2/NDF: 39.7/34

All: -669.625+/-1486.102 χ^2/NDF: 67.0/70

- sign -348.910+/-2069.383 χ^2/NDF: 27.3/35



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10734.417+/-1.993 χ^2/NDF:704144.9/18

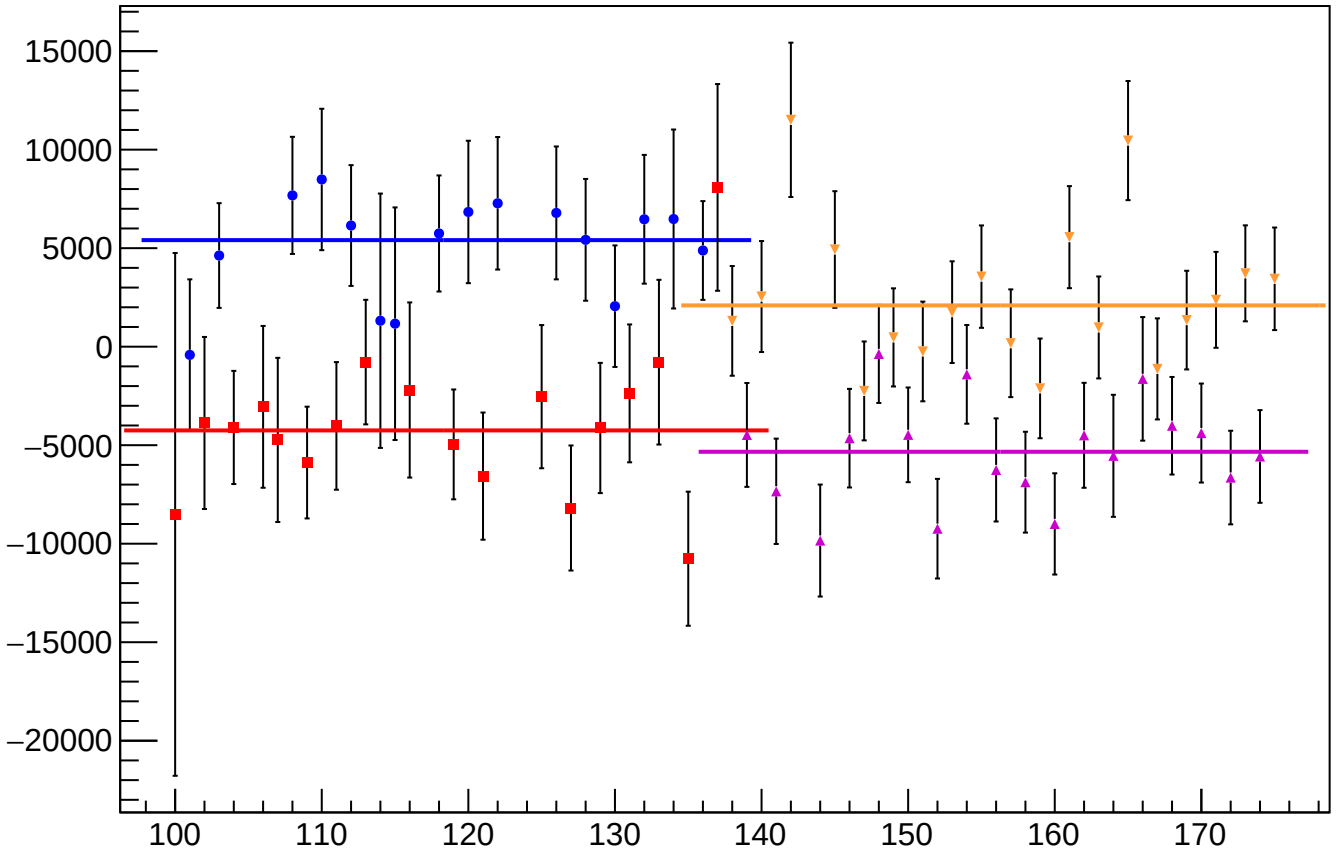
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10696.170+/-2.000 χ^2/NDF:977098.3/17

+ sign 9850.961+/-1.510 χ^2/NDF: 1523257.4/34

All: 9651.943+/-1.051 χ^2/NDF: 3907674.6/70

- sign 9465.059+/-1.463 χ^2/NDF: 2350735.5/35



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2096.273+/-608.248 χ^2/NDF:26.7/18

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

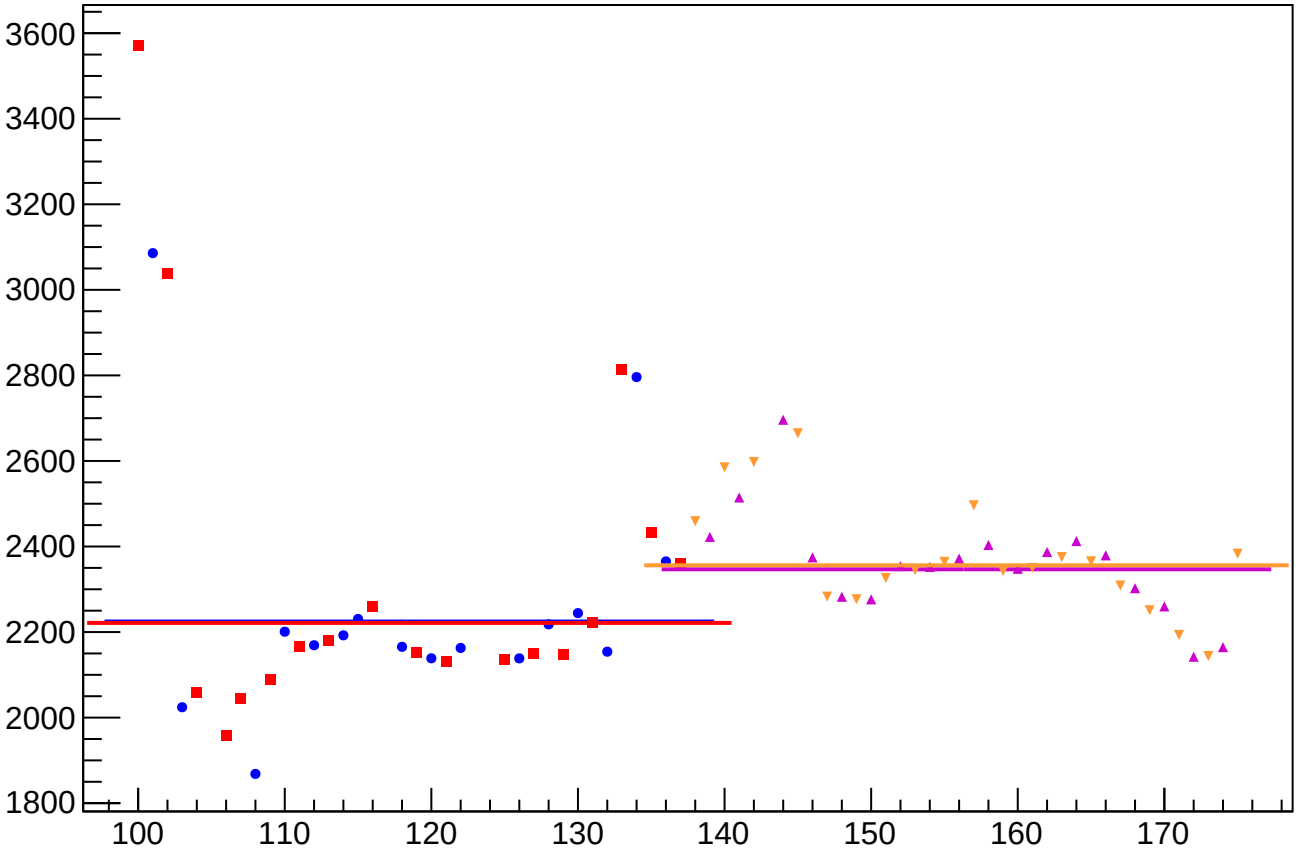
Left In: -5334.145+/-609.242 χ^2/NDF:17.0/17

+ sign 3246.670+/-491.370 χ^2/NDF: 43.7/34

All: -842.695+/-348.043 χ^2/NDF: 215.3/70

- sign -4960.008+/-493.047 χ^2/NDF: 32.5/35

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2356.057+/-0.430 χ^2/NDF:83366.9/18

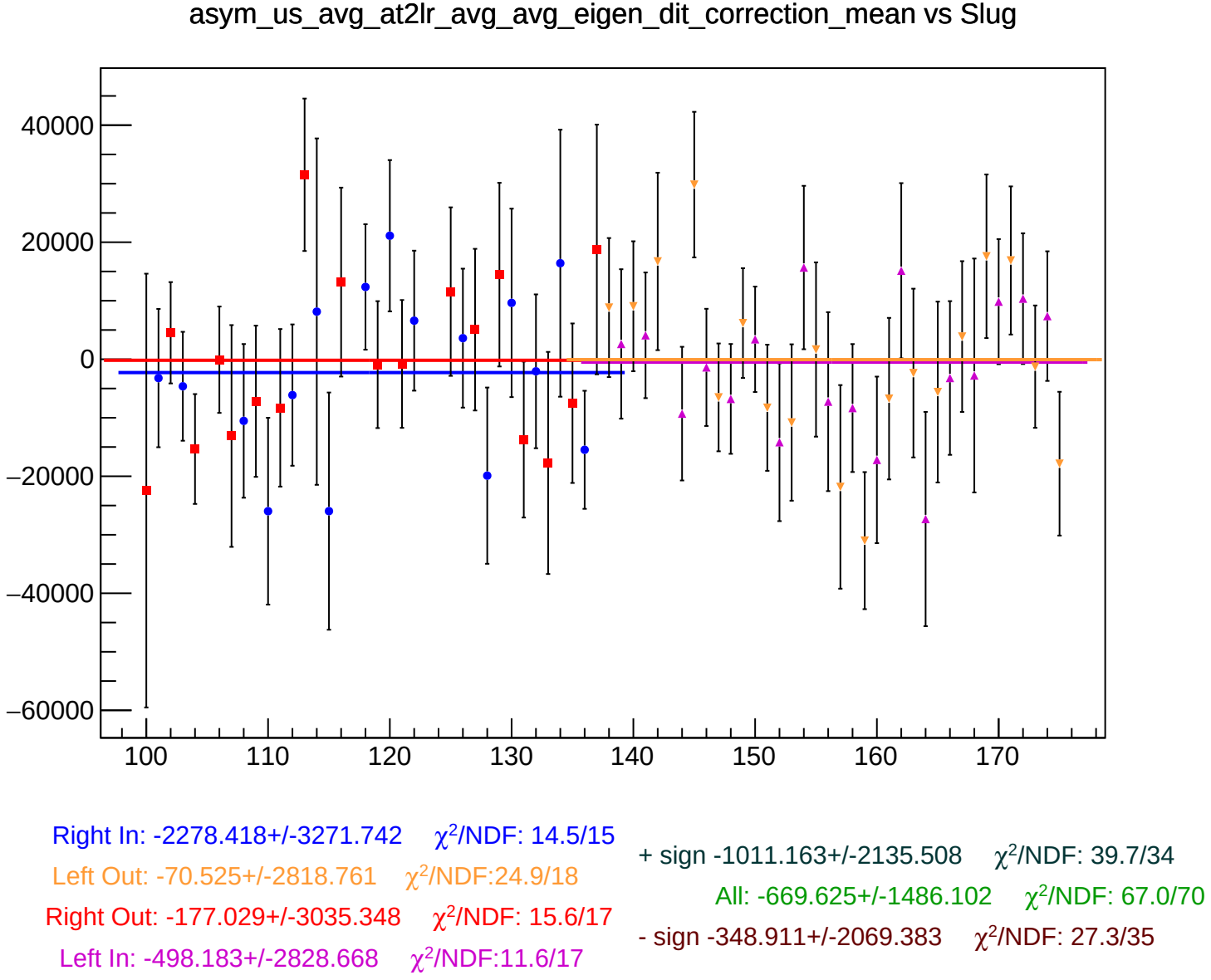
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

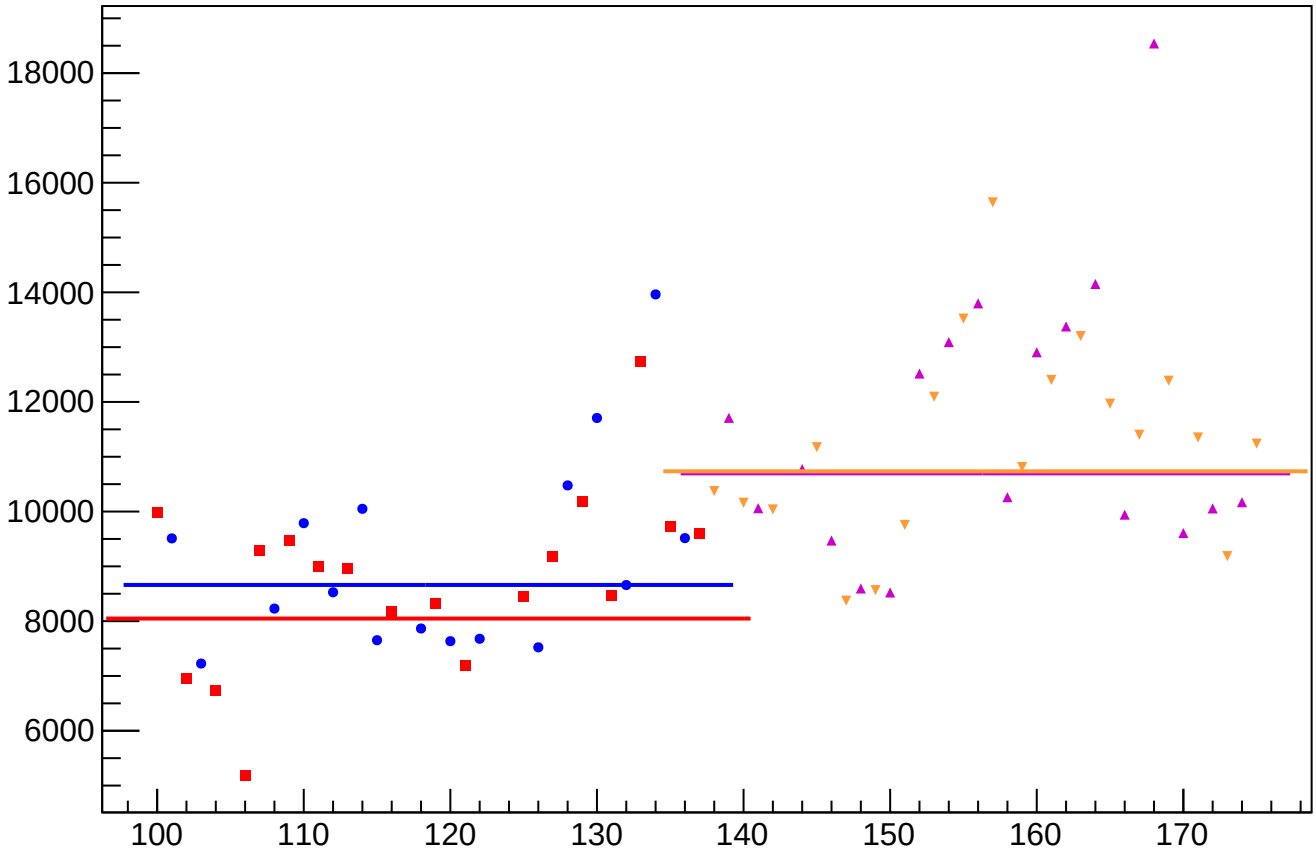
Left In: 2346.750+/-0.431 χ^2/NDF:75664.0/17

+ sign 2310.395+/-0.347 χ^2/NDF: 300492.9/34

All: 2306.943+/-0.246 χ^2/NDF: 575526.1/70

- sign 2303.469+/-0.349 χ^2/NDF: 274835.1/35


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: -70.525+/-2818.761 χ²/NDF:24.9/18
Right Out: -177.029+/-3035.348 χ²/NDF: 15.6/17
Left In: -498.183+/-2828.668 χ²/NDF:11.6/17
+ sign -1011.163+/-2135.508 χ²/NDF: 39.7/34
All: -669.625+/-1486.102 χ²/NDF: 67.0/70
- sign -348.911+/-2069.383 χ²/NDF: 27.3/35



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10734.435+/-1.993 χ^2/NDF:704146.1/18

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

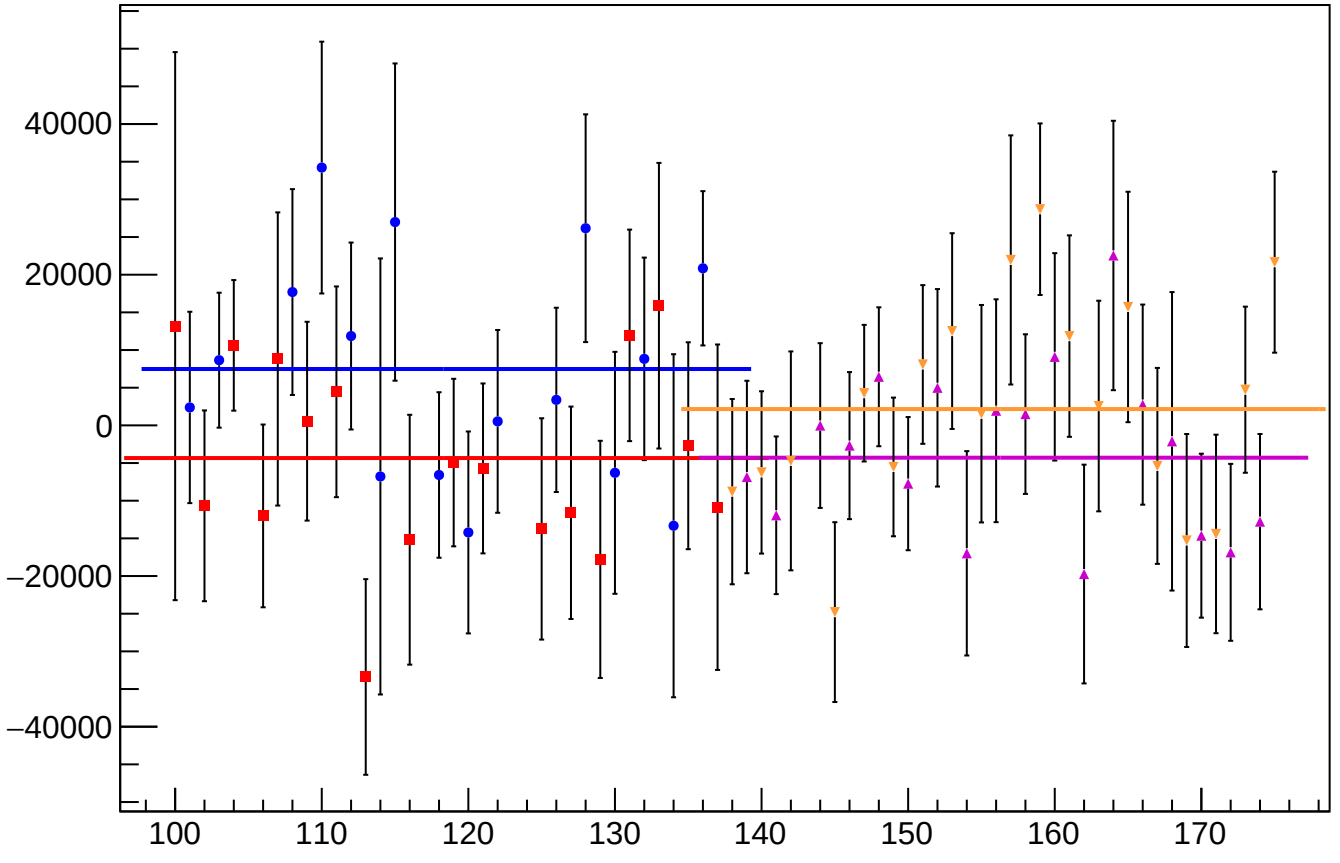
Left In: 10696.187+/-2.000 χ^2/NDF:977100.0/17

+ sign 9850.957+/-1.510 χ^2/NDF: 1523278.6/34

All: 9651.939+/-1.051 χ^2/NDF: 3907717.9/70

- sign 9465.055+/-1.463 χ^2/NDF: 2350757.3/35

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 2163.763+/-2785.582 χ^2/NDF:22.7/18

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

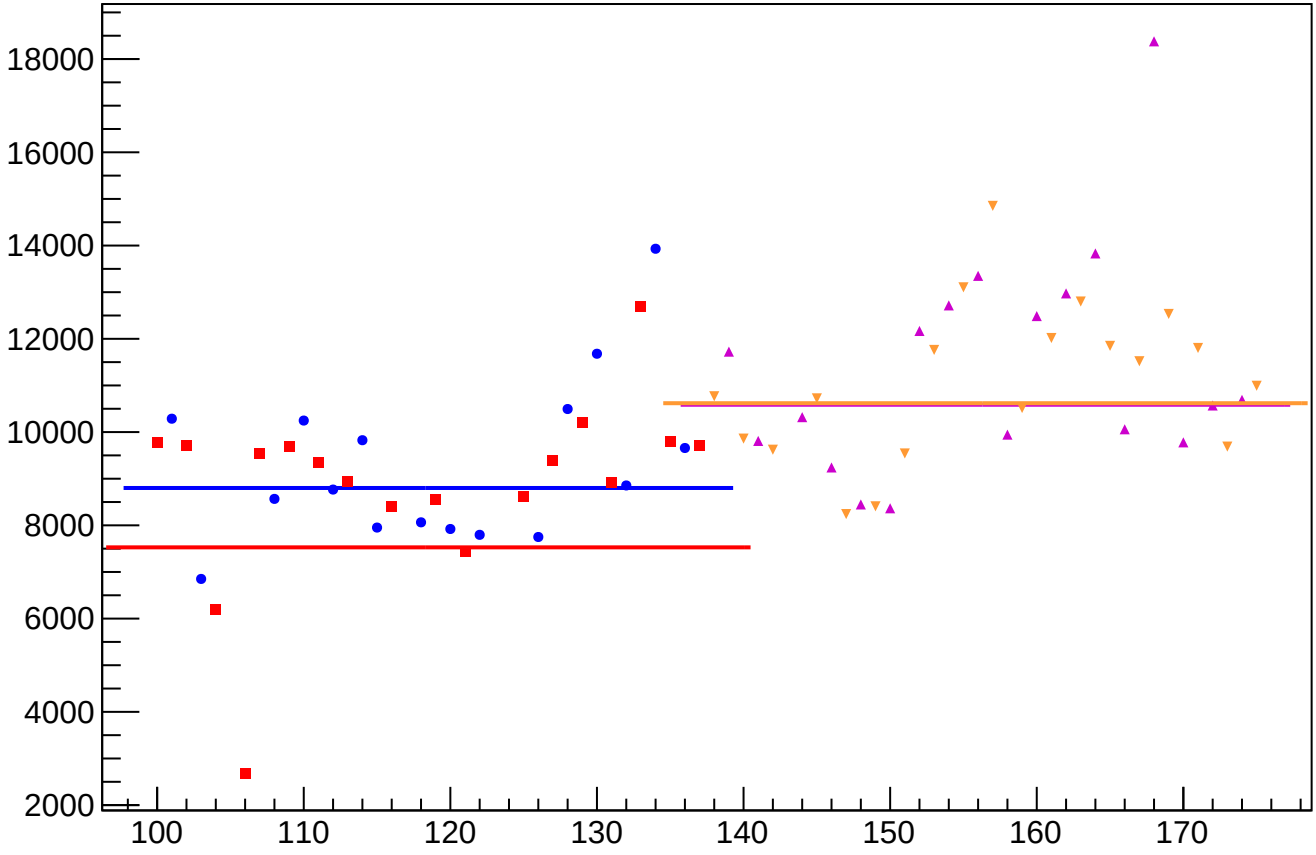
Left In: -4291.768+/-2796.661 χ^2/NDF:11.3/17

+ sign 4352.364+/-2136.842 χ^2/NDF: 38.3/34

All: -18.375+/-1504.198 χ^2/NDF: 72.2/70

- sign -4311.559+/-2117.799 χ^2/NDF: 25.6/35

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10619.120+/-1.970 χ^2/NDF:661694.4/18

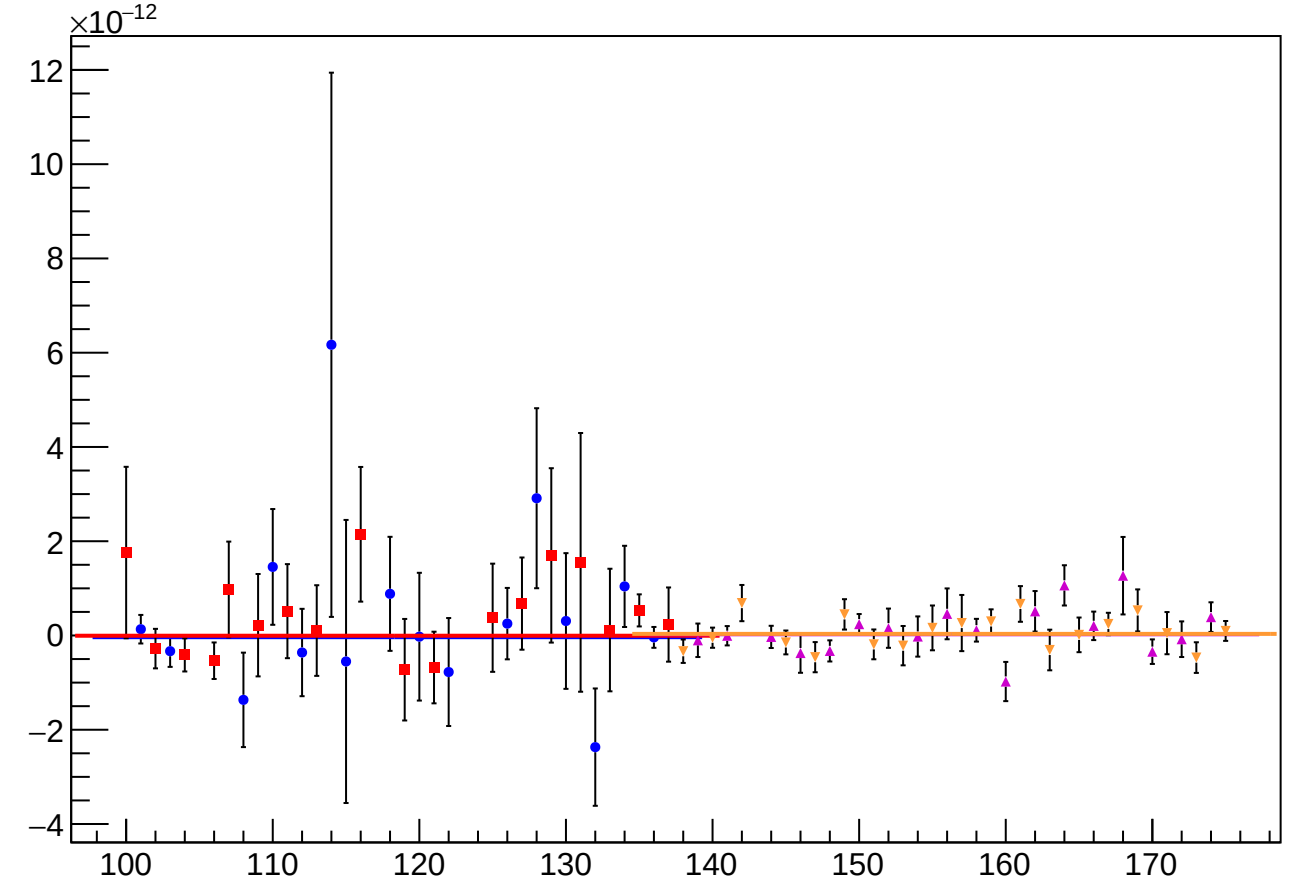
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10585.998+/-1.978 χ^2/NDF:937336.0/17

+ sign 9870.901+/-1.511 χ^2/NDF: 1406885.0/34

All: 9505.223+/-1.046 χ^2/NDF: 5222004.8/70

- sign 9169.060+/-1.449 χ^2/NDF: 3702703.8/35



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

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

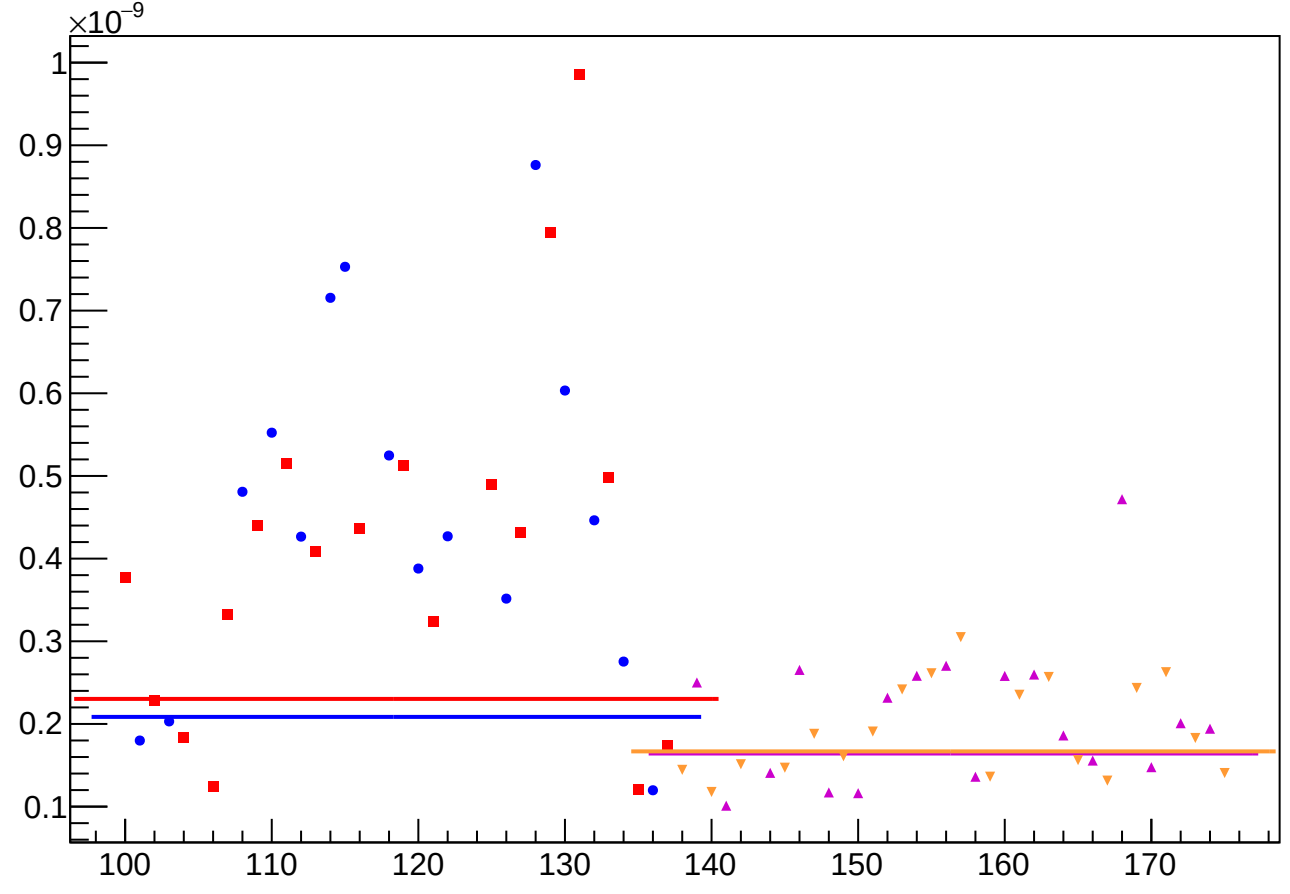
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:24.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 34.4/34

All: 0.000+/-0.000 χ^2/NDF: 72.7/70

- sign 0.000+/-0.000 χ^2/NDF: 38.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:822626.7/18

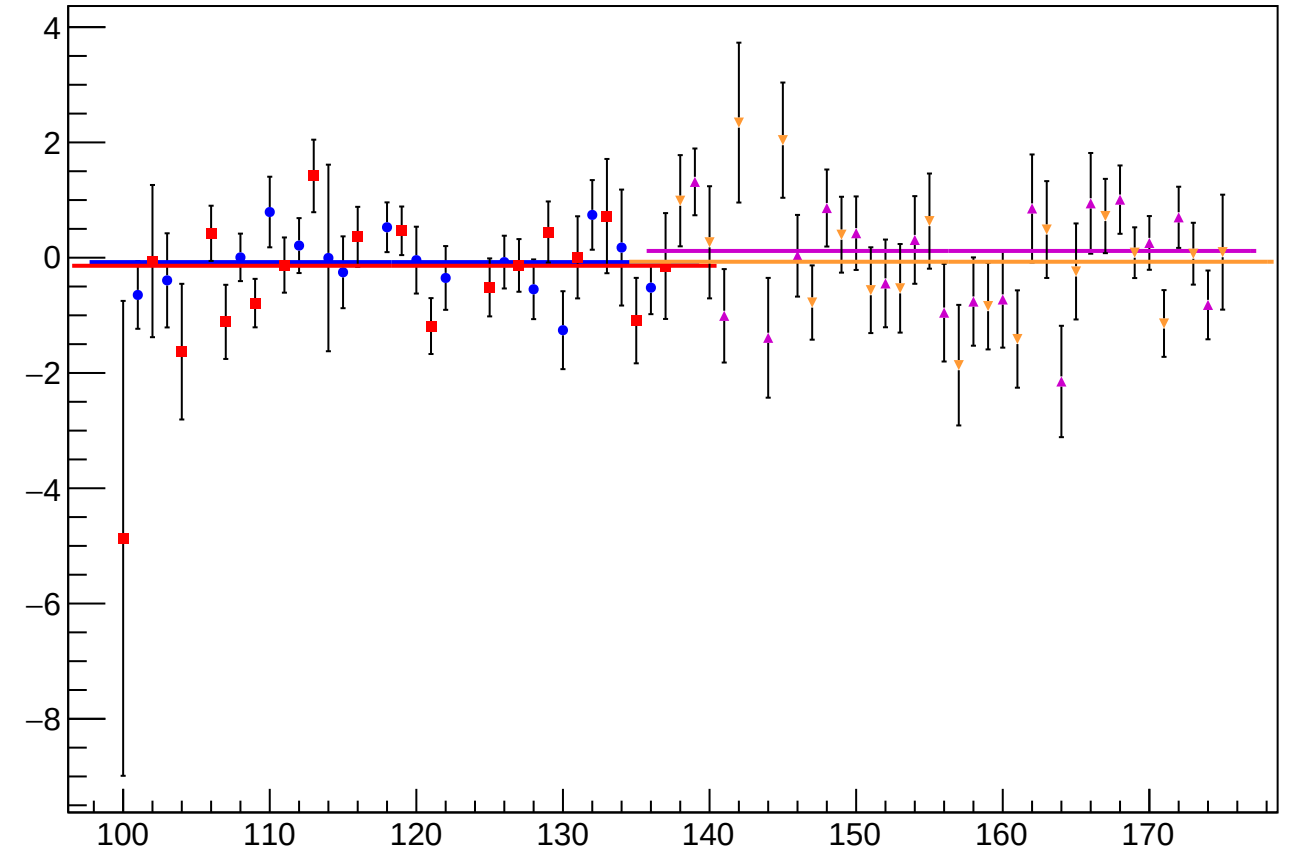
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1417524.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 2593331.3/34

All: 0.000+/-0.000 χ^2/NDF: 5865717.2/70

- sign 0.000+/-0.000 χ^2/NDF: 3272263.5/35



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.070+/-0.167 χ^2/NDF:24.8/18

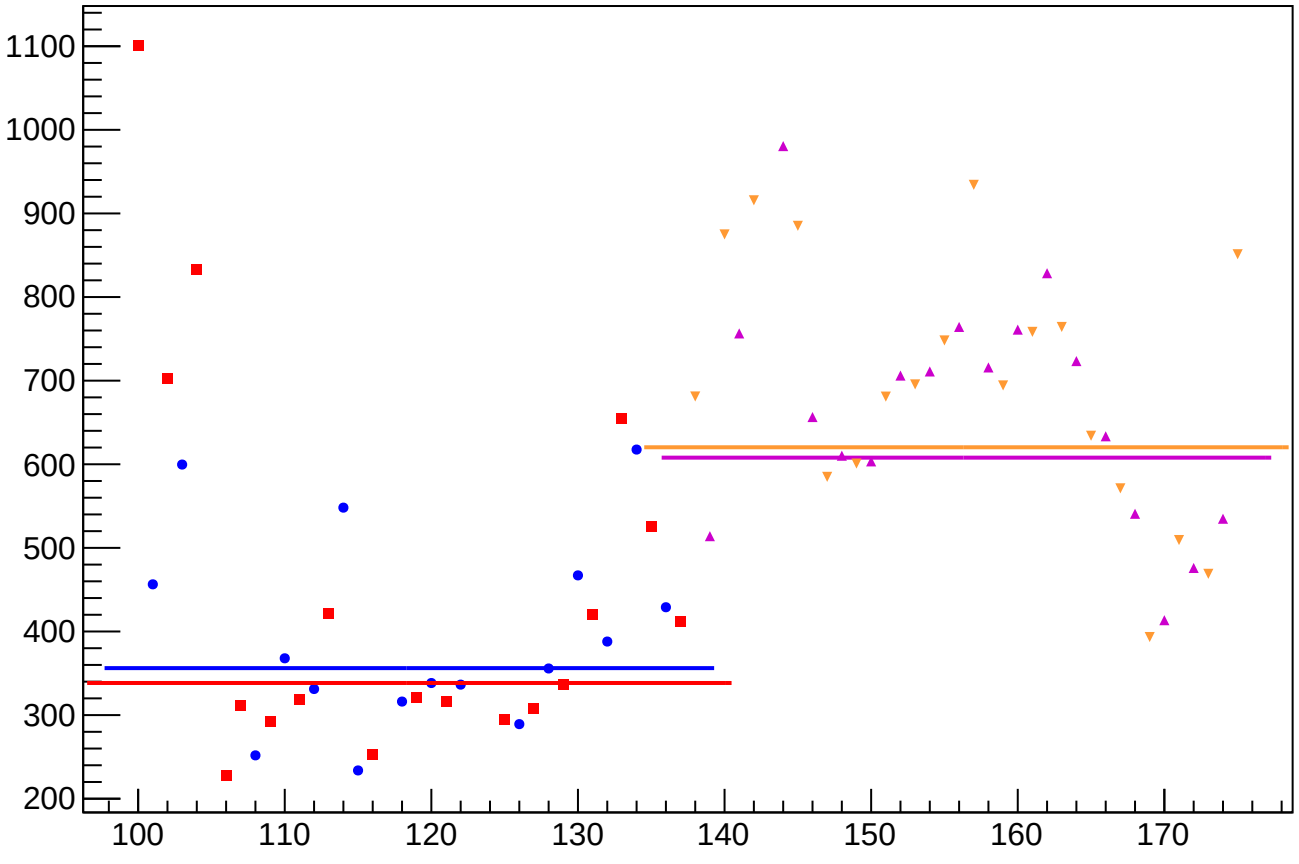
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.117+/-0.163 χ^2/NDF:27.4/17

+ sign -0.074+/-0.107 χ^2/NDF: 37.3/34

All: -0.053+/-0.075 χ^2/NDF: 93.2/70

- sign -0.033+/-0.105 χ^2/NDF: 55.8/35



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 620.325+/-0.118 χ^2/NDF:1663209.8/18

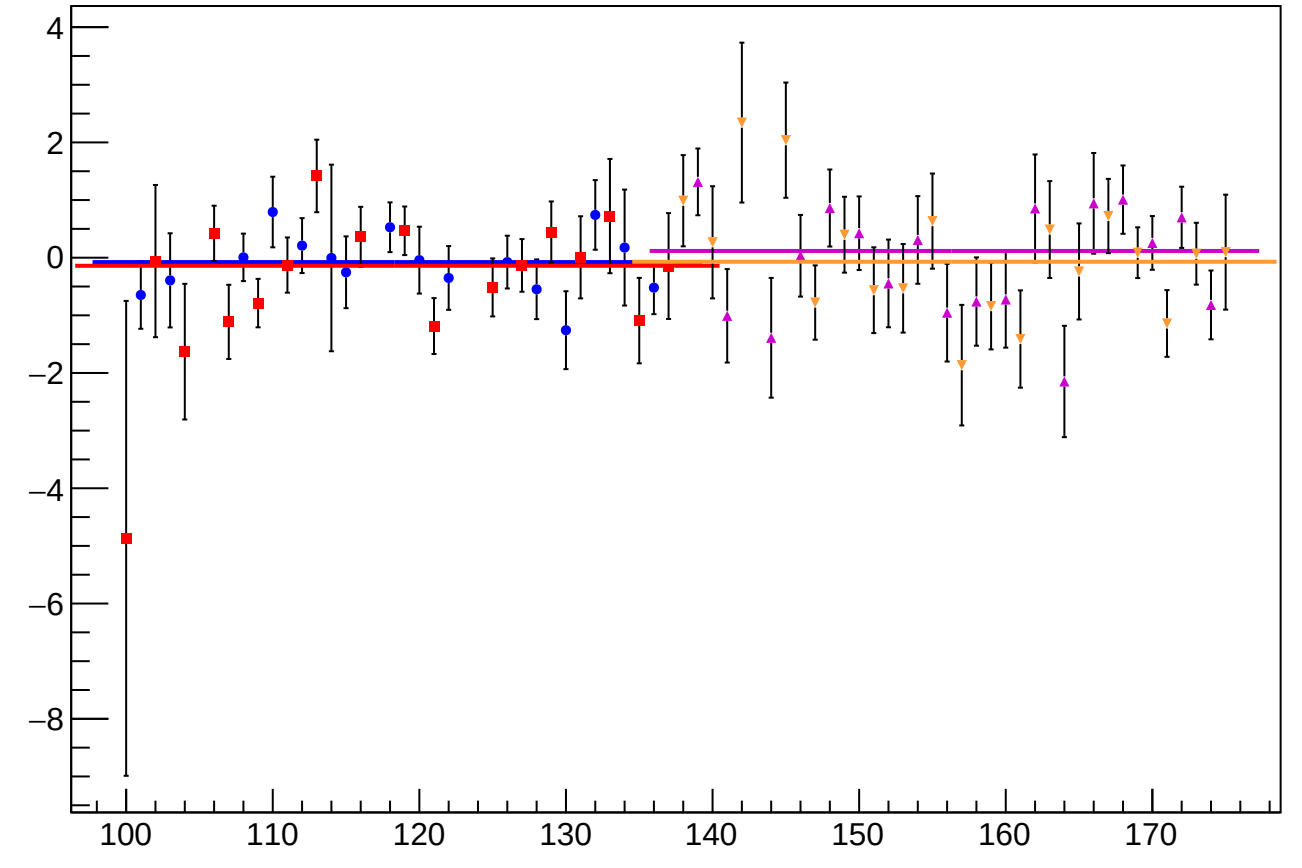
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 607.919+/-0.116 χ^2/NDF:1299850.3/17

+ sign 465.074+/-0.076 χ^2/NDF: 5387204.5/34

All: 457.687+/-0.053 χ^2/NDF: 11084245.6/70

- sign 450.549+/-0.075 χ^2/NDF: 5678384.4/35



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.070+/-0.167 χ^2/NDF:24.8/18

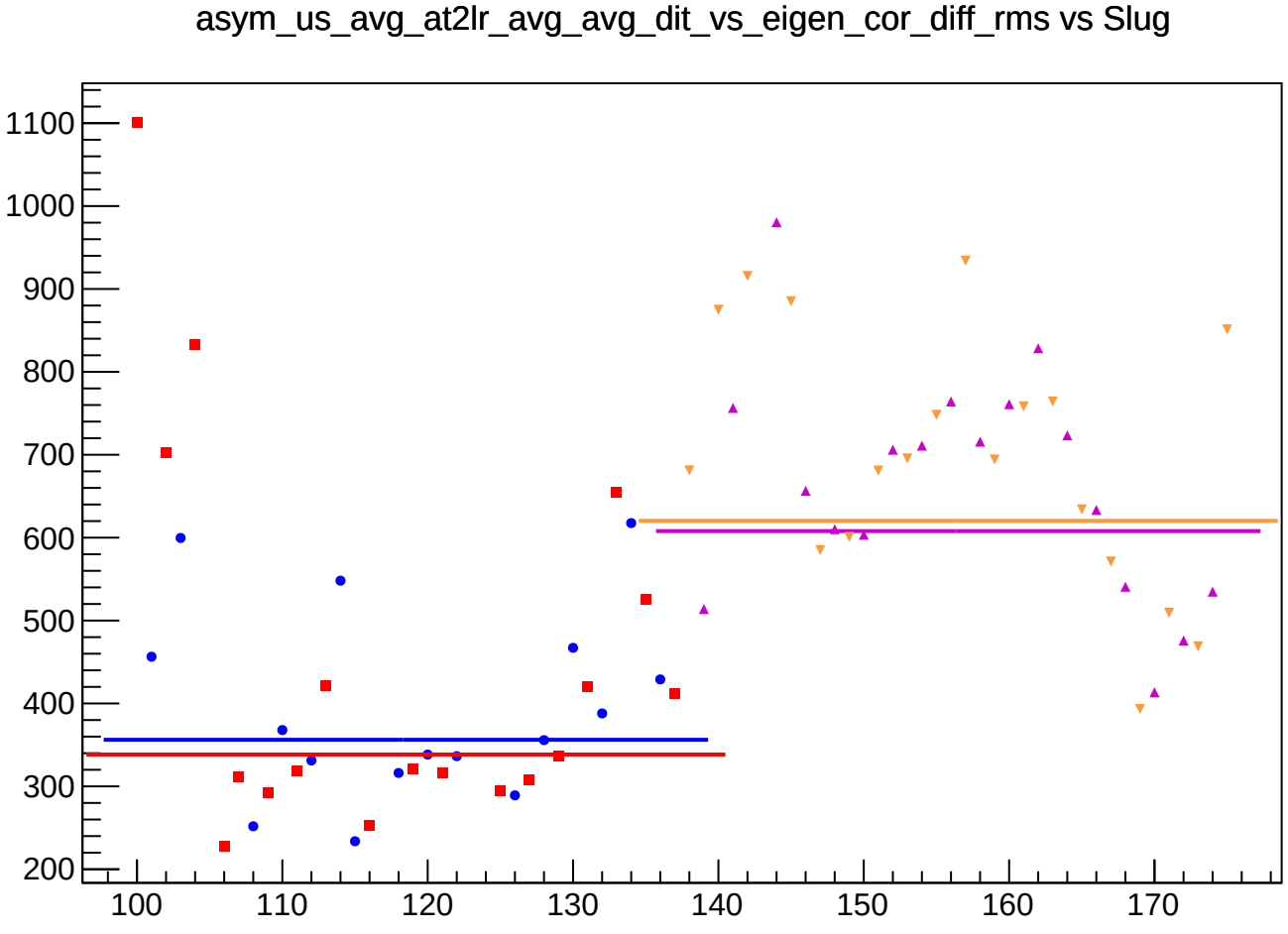
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.117+/-0.163 χ^2/NDF:27.4/17

+ sign -0.074+/-0.107 χ^2/NDF: 37.3/34

All: -0.053+/-0.075 χ^2/NDF: 93.2/70

- sign -0.033+/-0.105 χ^2/NDF: 55.8/35



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 620.325+/-0.118 χ^2/NDF:1663209.8/18

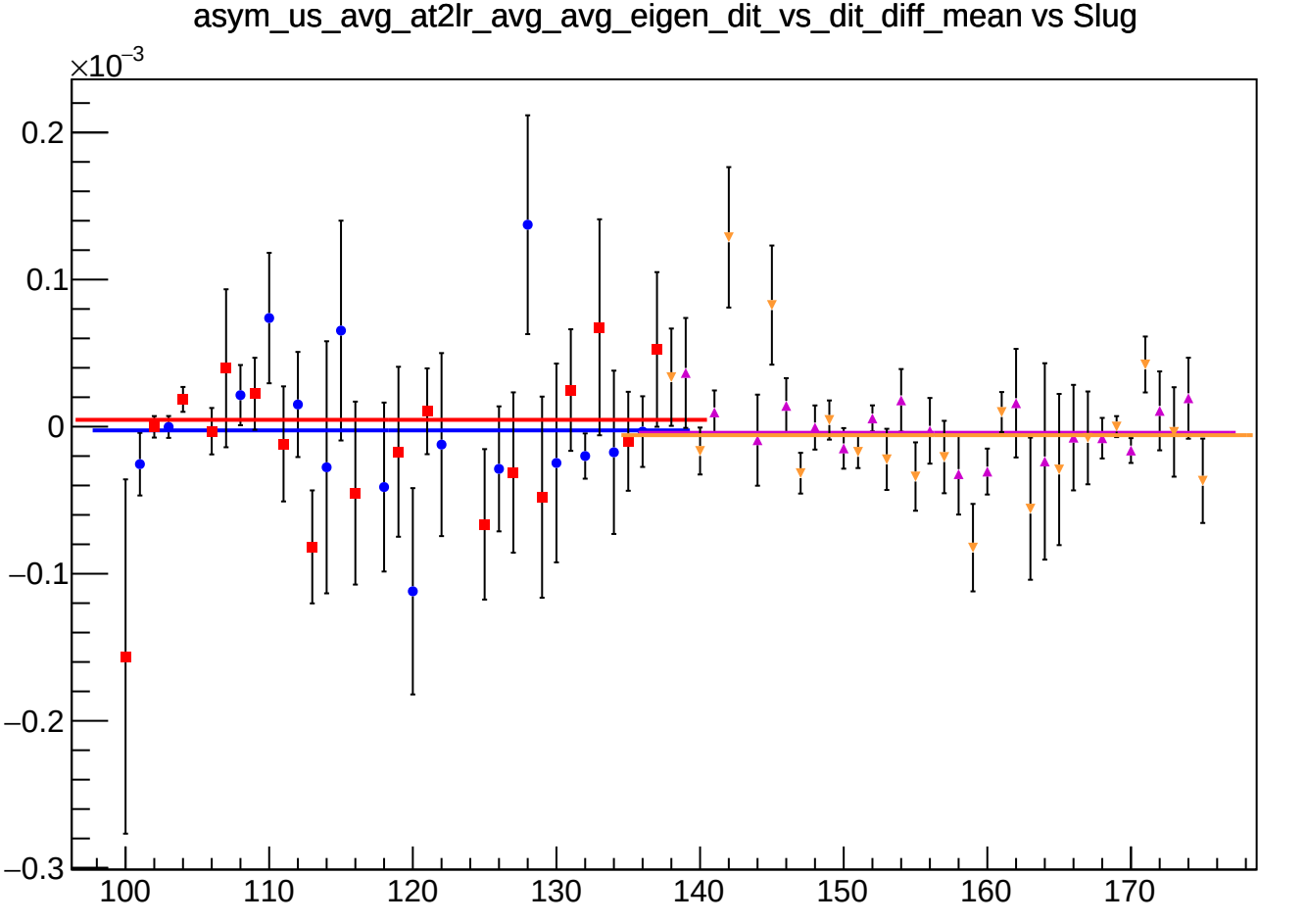
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 607.919+/-0.116 χ^2/NDF:1299850.3/17

+ sign 465.074+/-0.076 χ^2/NDF: 5387204.5/34

All: 457.687+/-0.053 χ^2/NDF: 11084245.6/70

- sign 450.549+/-0.075 χ^2/NDF: 5678384.4/35



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.6/18

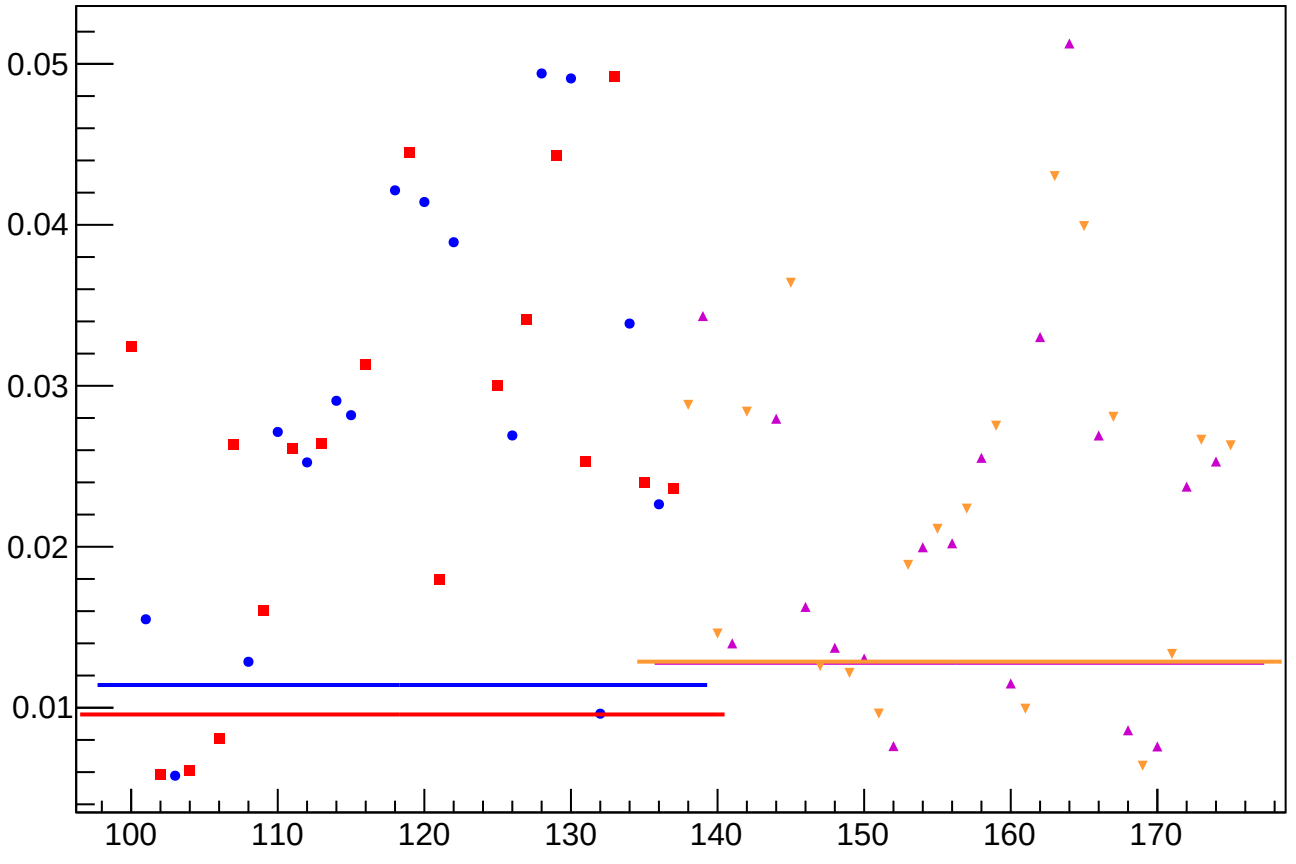
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: -0.000+/-0.000 χ^2/NDF:13.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 54.9/34

All: -0.000+/-0.000 χ^2/NDF: 88.3/70

- sign -0.000+/-0.000 χ^2/NDF: 32.6/35



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:7143880.0/18

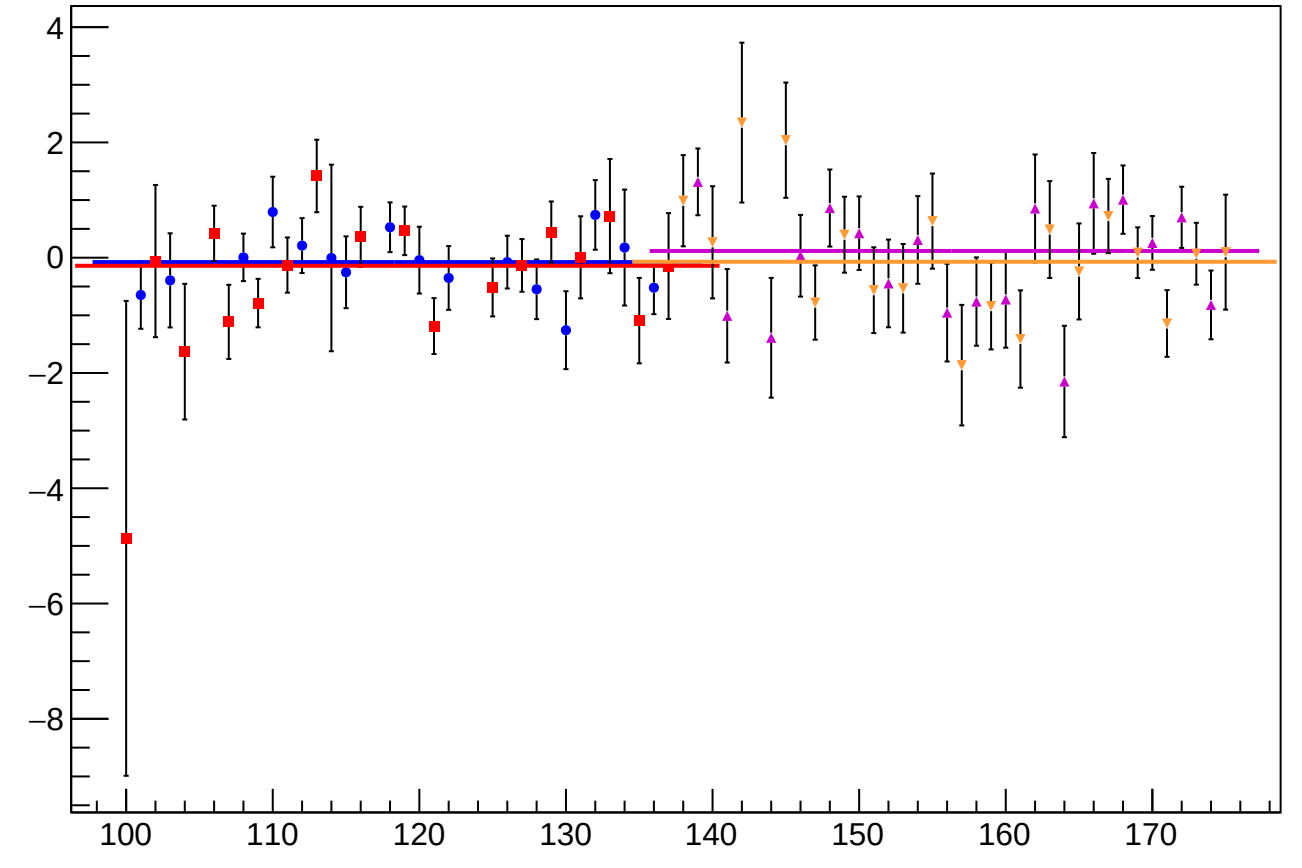
Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.013+/-0.000 χ^2/NDF:6068098.4/17

+ sign 0.012+/-0.000 χ^2/NDF: 12734843.9/34

All: 0.012+/-0.000 χ^2/NDF: 25219051.2/70

- sign 0.011+/-0.000 χ^2/NDF: 12401864.6/35



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.070+/-0.167 χ^2/NDF:24.8/18

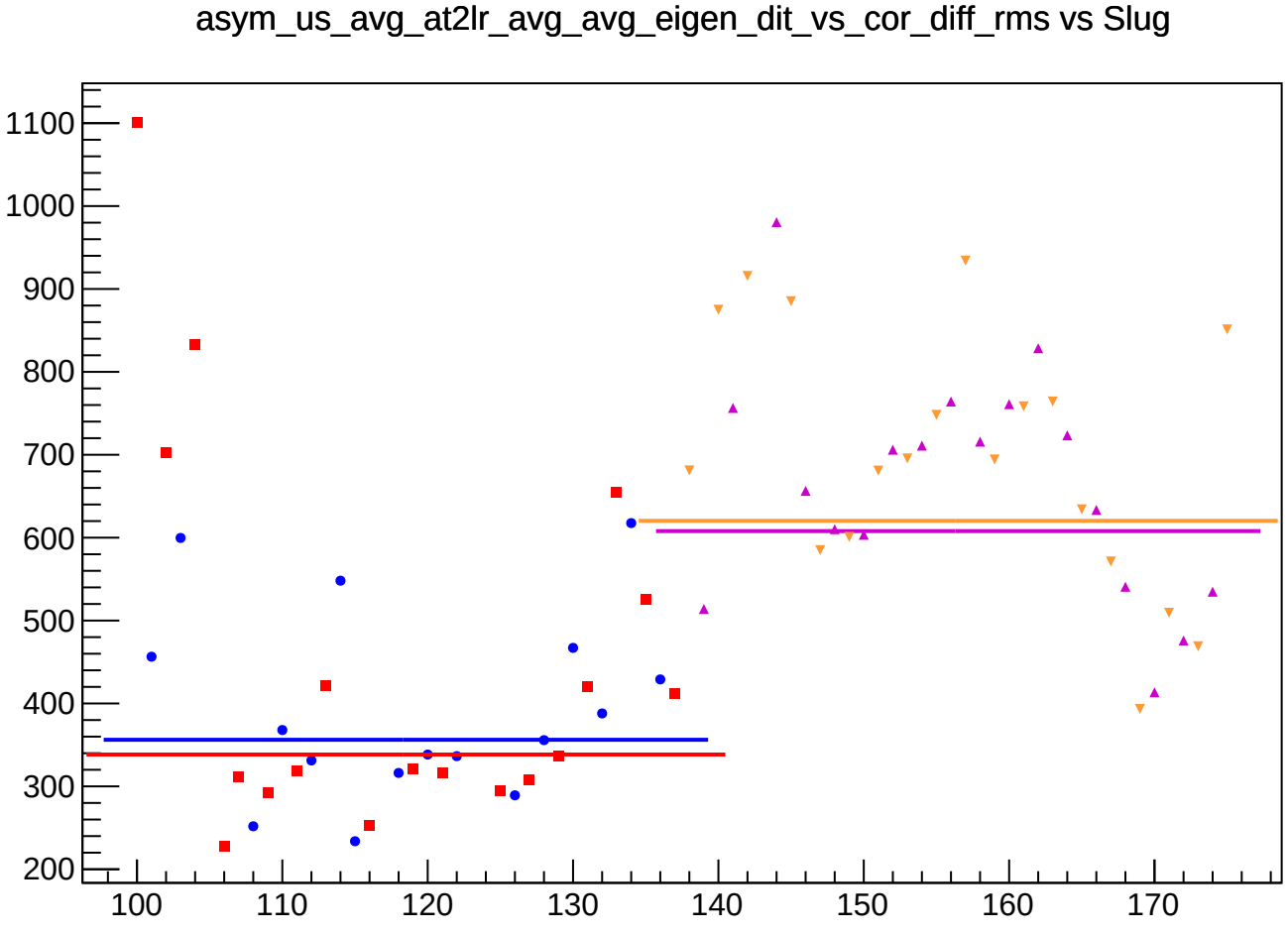
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

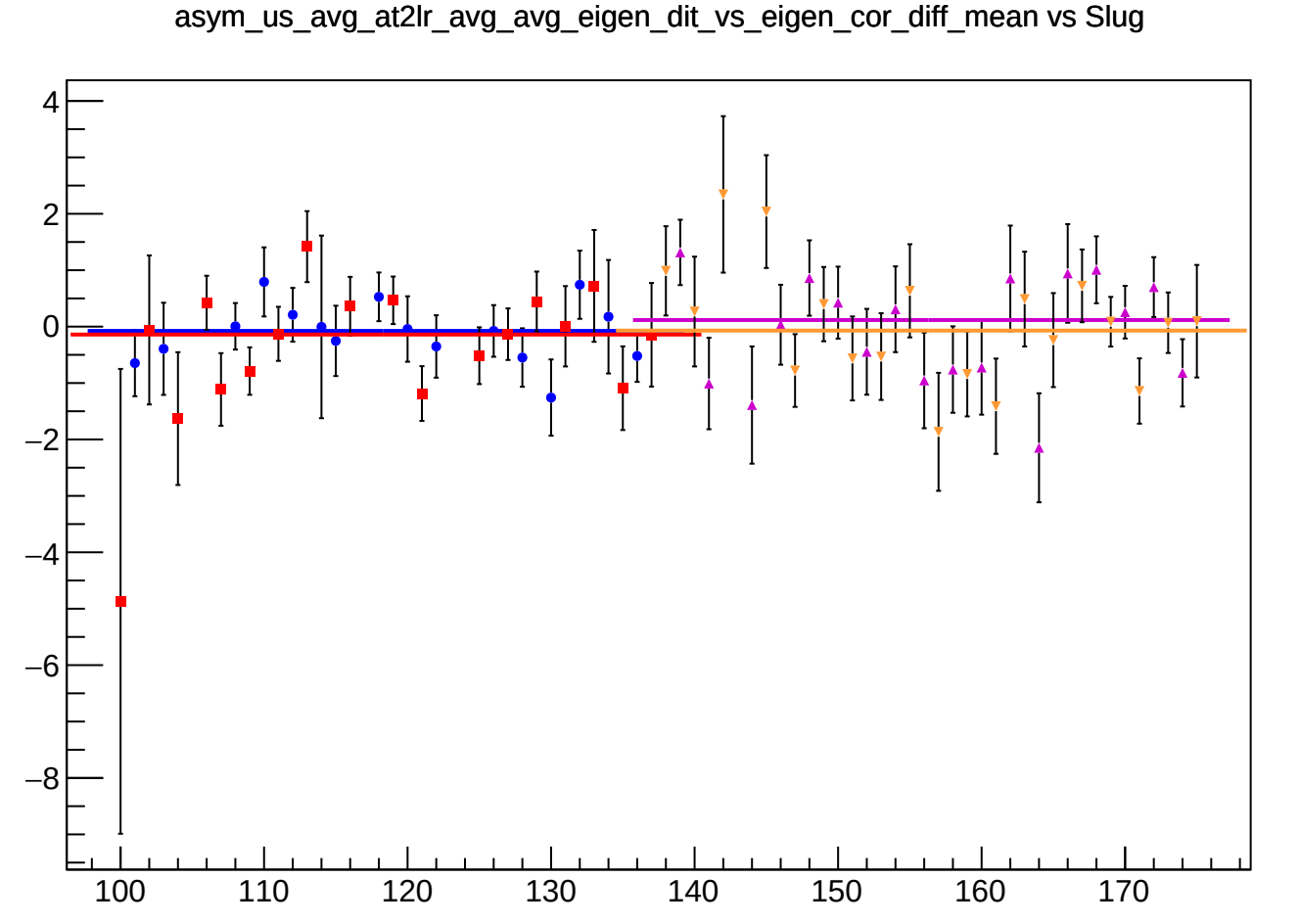
Left In: 0.117+/-0.163 χ^2/NDF:27.4/17

+ sign -0.074+/-0.107 χ^2/NDF: 37.3/34

All: -0.053+/-0.075 χ^2/NDF: 93.2/70

- sign -0.033+/-0.105 χ^2/NDF: 55.8/35


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1100
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 356.188+/-0.099 χ²/NDF: 785072.9/15
Left Out: 620.325+/-0.118 χ²/NDF:1663372.6/18
Right Out: 338.408+/-0.098 χ²/NDF: 1203260.7/17
Left In: 607.922+/-0.116 χ²/NDF:1299961.5/17
+ sign 465.073+/-0.076 χ²/NDF: 5387365.7/34
All: 457.685+/-0.053 χ²/NDF: 11084599.3/70
- sign 450.547+/-0.075 χ²/NDF: 5678576.7/35



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.070+/-0.167 χ^2/NDF:24.8/18

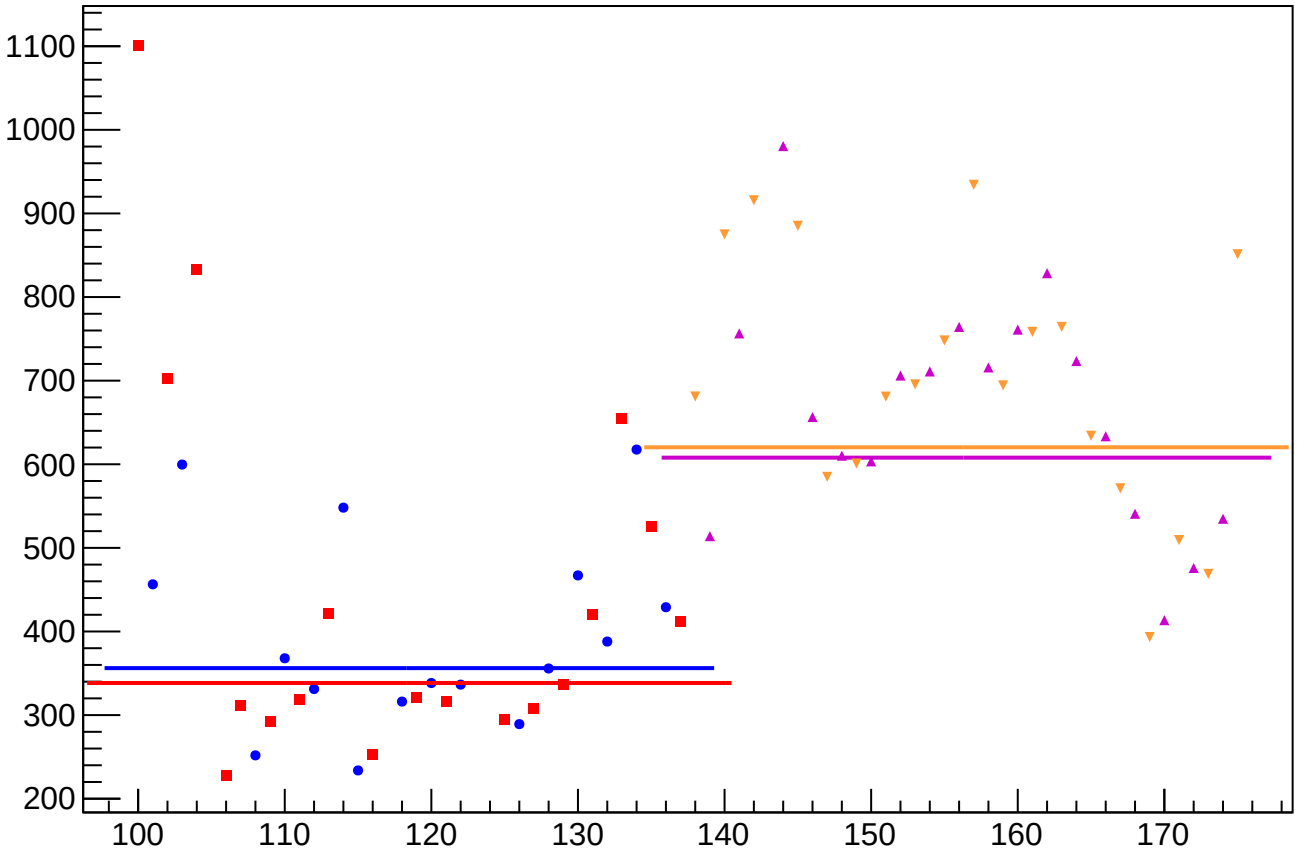
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.117+/-0.163 χ^2/NDF:27.4/17

+ sign -0.074+/-0.107 χ^2/NDF: 37.3/34

All: -0.053+/-0.075 χ^2/NDF: 93.2/70

- sign -0.033+/-0.105 χ^2/NDF: 55.8/35



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 620.325+/-0.118 χ^2/NDF:1663372.6/18

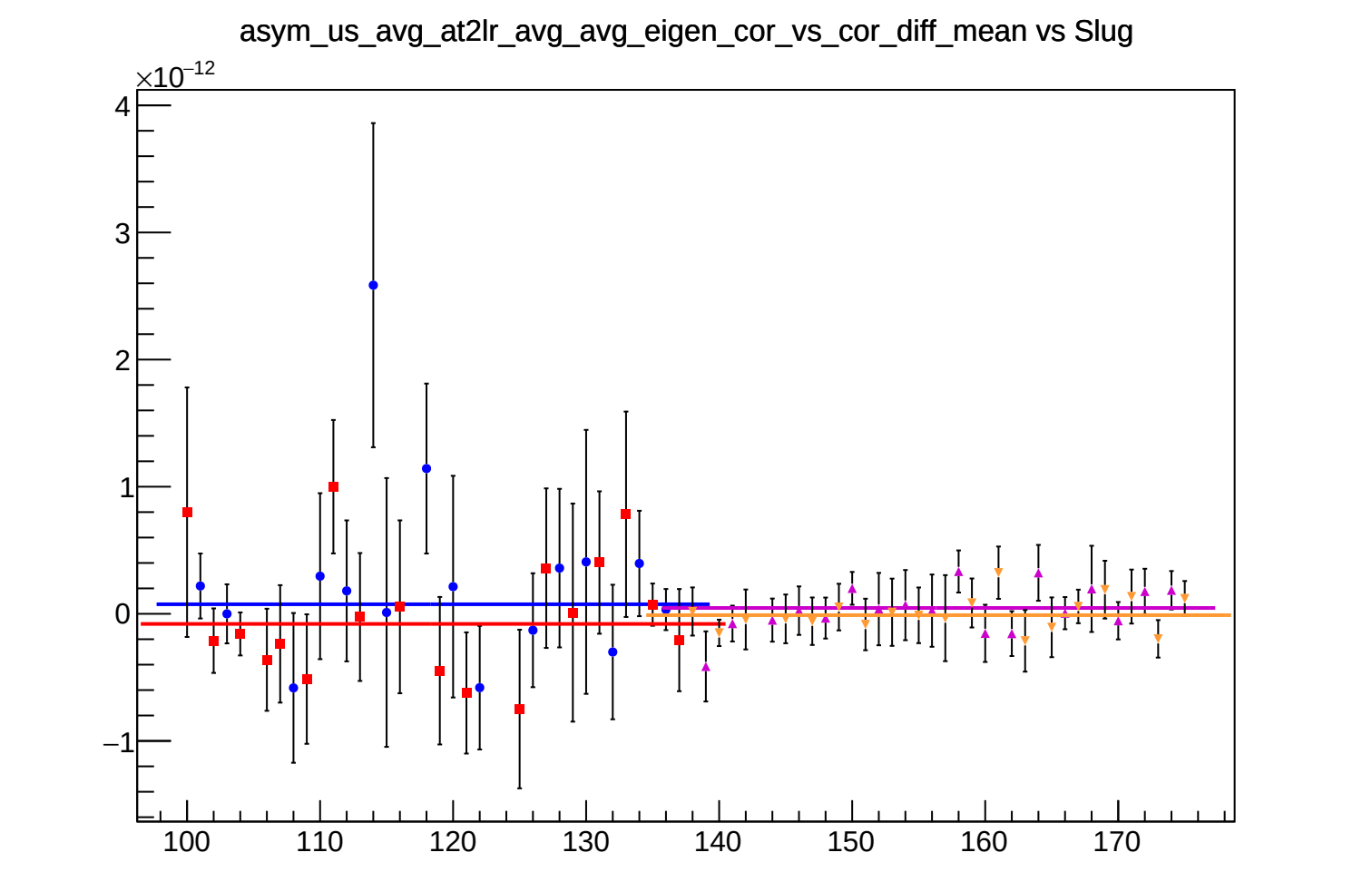
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

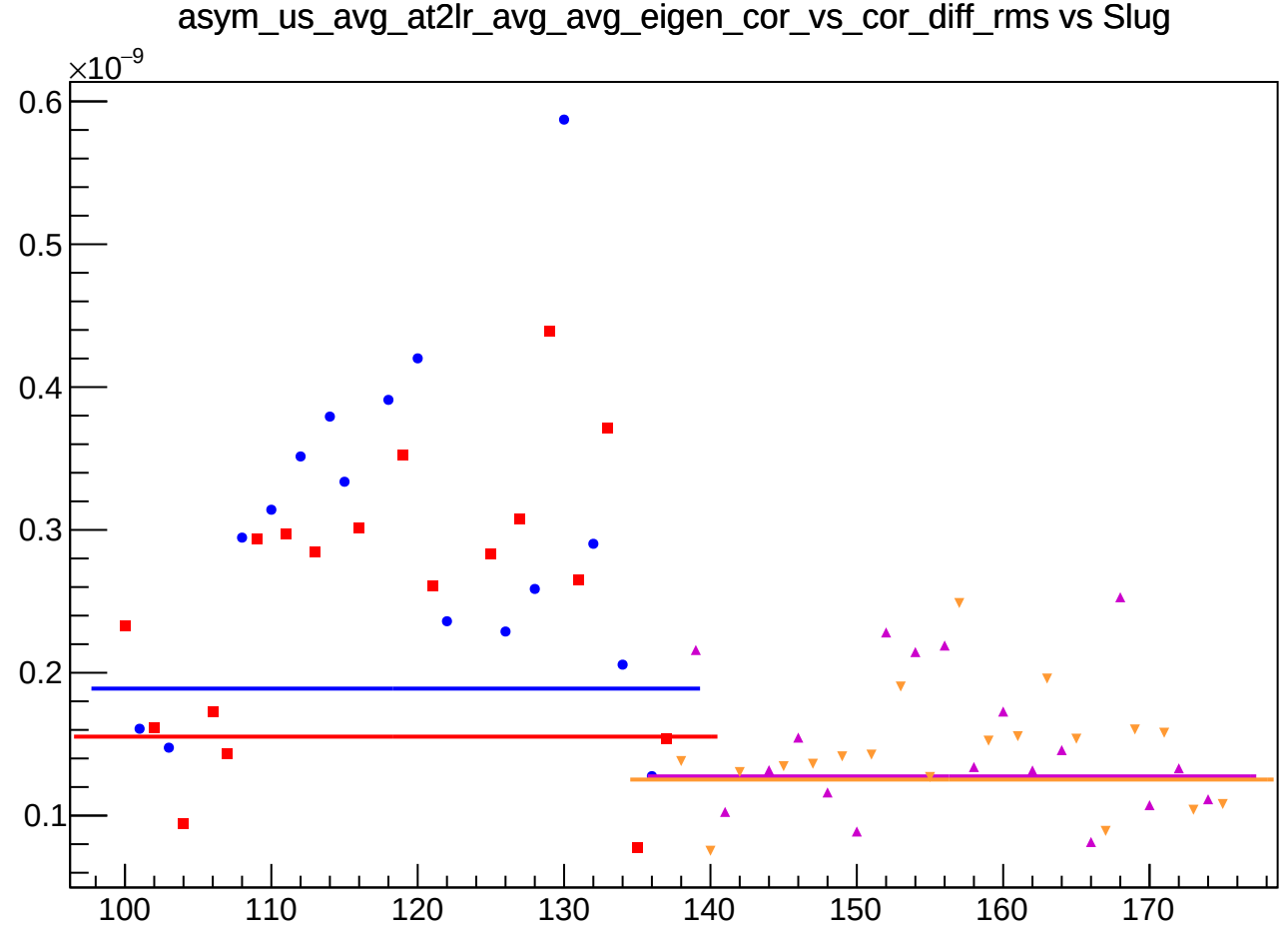
Left In: 607.922+/-0.116 χ^2/NDF:1299961.5/17

+ sign 465.073+/-0.076 χ^2/NDF: 5387365.7/34

All: 457.685+/-0.053 χ^2/NDF: 11084599.3/70

- sign 450.547+/-0.075 χ^2/NDF: 5678576.7/35


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:10.0/18
Right Out: -0.000+/-0.000 χ²/NDF: 13.1/17
Left In: 0.000+/-0.000 χ²/NDF:14.4/17
+ sign 0.000+/-0.000 χ²/NDF: 22.4/34
All: 0.000+/-0.000 χ²/NDF: 51.7/70
- sign 0.000+/-0.000 χ²/NDF: 29.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1499753.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

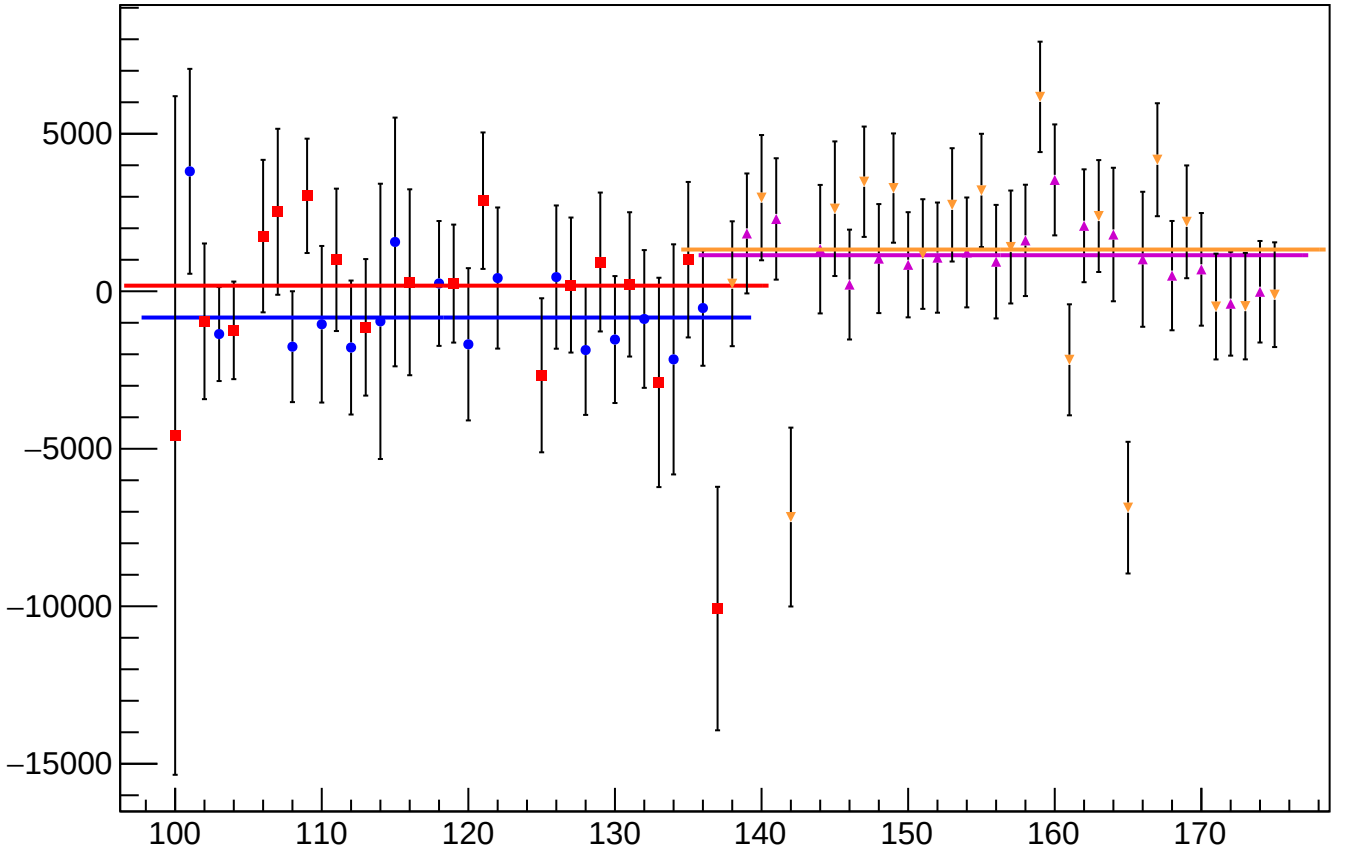
Left In: 0.000+/-0.000 χ^2/NDF:1854364.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 3755968.7/34

All: 0.000+/-0.000 χ^2/NDF: 7985524.1/70

- sign 0.000+/-0.000 χ^2/NDF: 4225645.3/35

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1325.181+/-420.656 χ^2/NDF:47.9/18

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

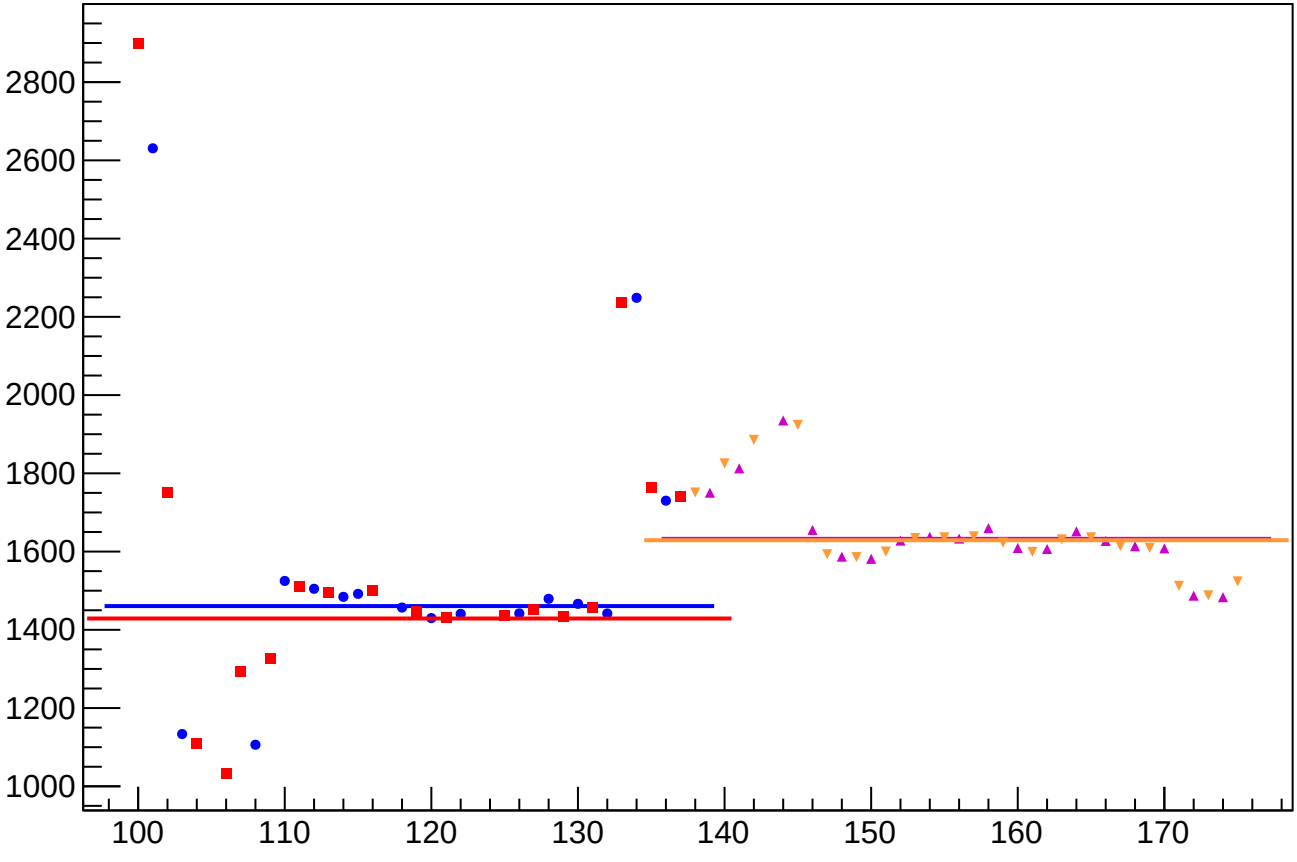
Left In: 1144.698+/-423.990 χ^2/NDF:4.7/17

+ sign 537.259+/-335.206 χ^2/NDF: 62.1/34

All: 659.932+/-237.059 χ^2/NDF: 85.5/70

- sign 782.672+/-335.298 χ^2/NDF: 23.1/35

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1628.972+/-0.297 χ^2/NDF:116814.5/18

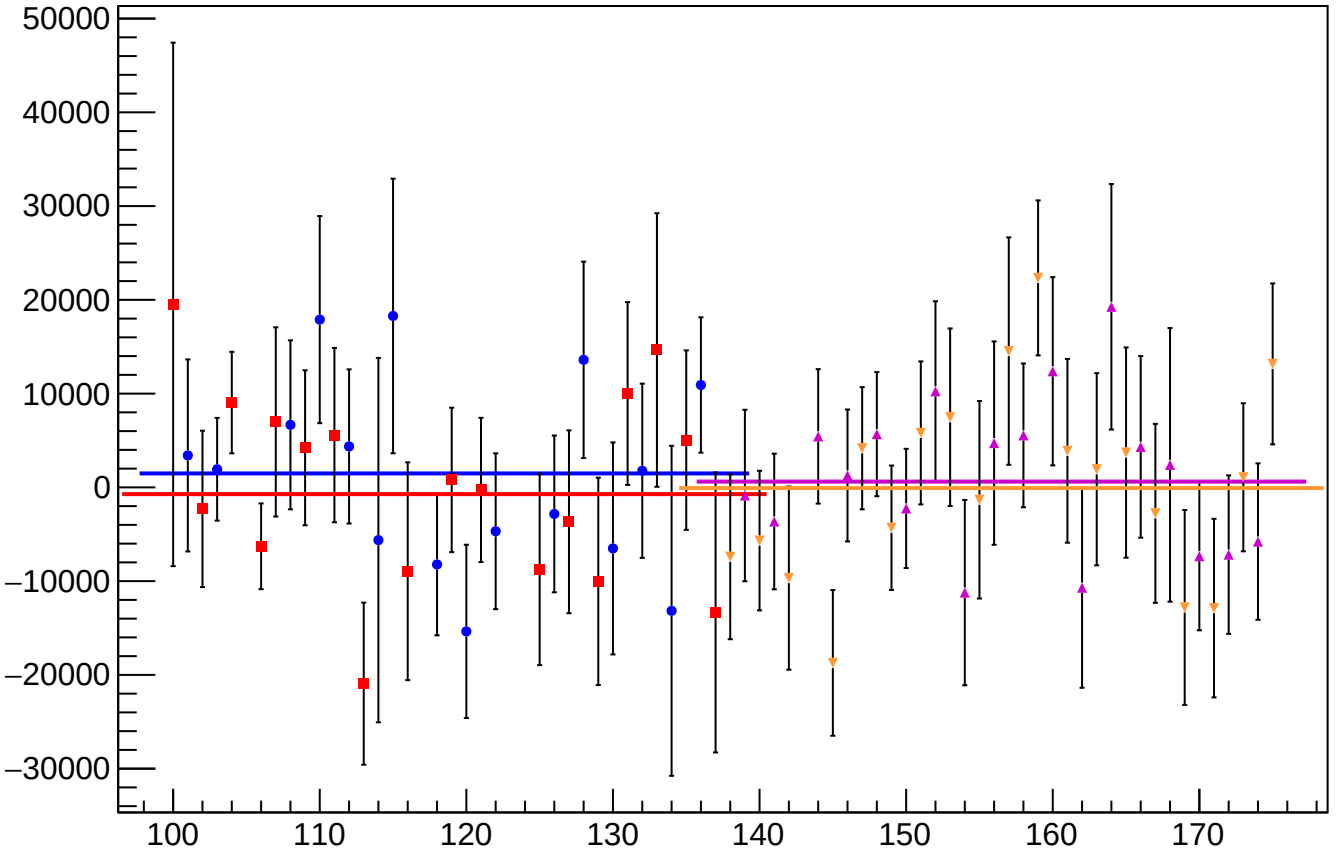
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1632.556+/-0.300 χ^2/NDF:107481.9/17

\+ sign 1567.535+/-0.237 χ^2/NDF: 809430.6/34

All: 1561.538+/-0.167 χ^2/NDF: 1503861.0/70

\- sign 1555.571+/-0.236 χ^2/NDF: 693153.4/35



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -73.824+/-1992.717 χ^2/NDF:25.0/18

Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

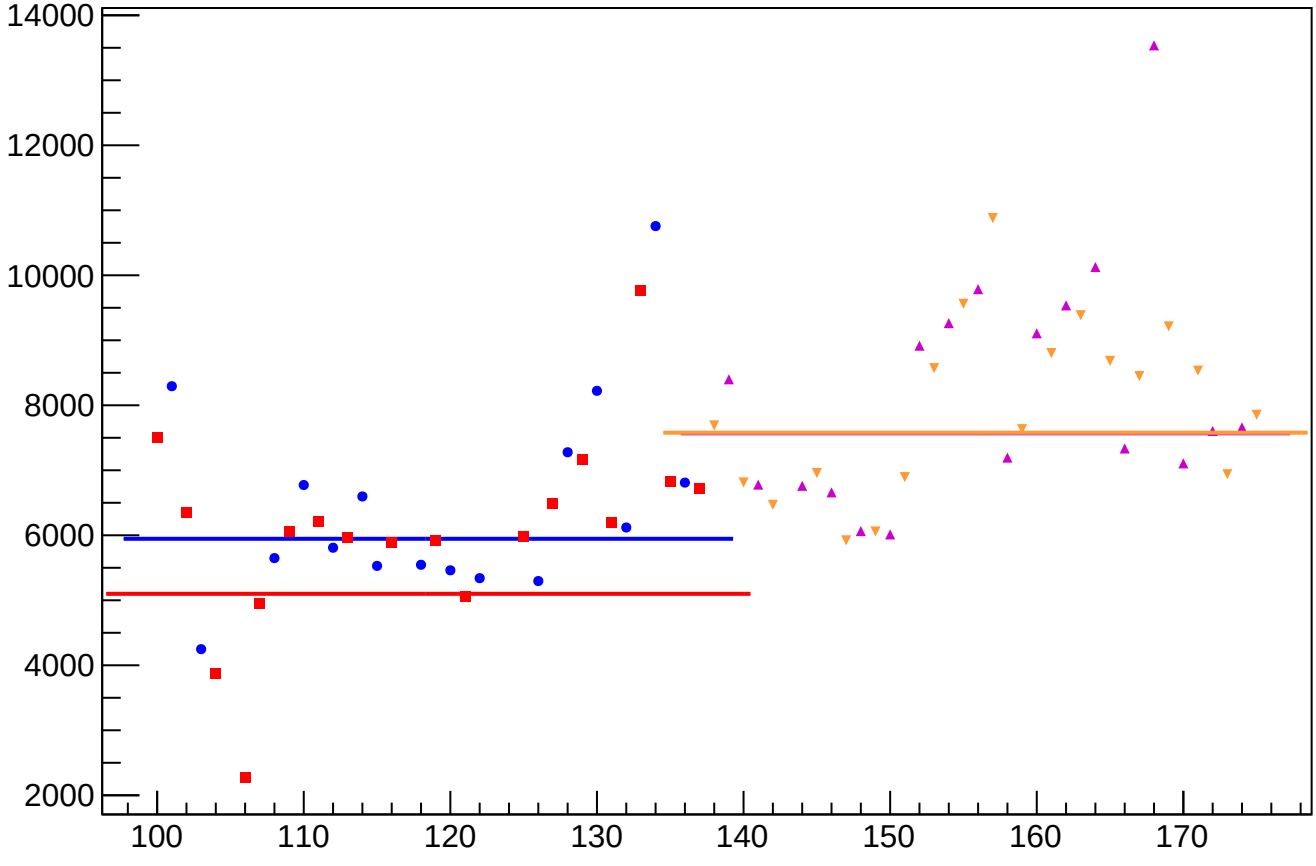
Left In: 617.280+/-2003.441 χ^2/NDF:11.8/17

+ sign 606.344+/-1496.990 χ^2/NDF: 39.4/34

All: 261.412+/-1030.046 χ^2/NDF: 69.0/70

- sign -48.739+/-1419.508 χ^2/NDF: 29.5/35

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7578.532+/-1.409 χ^2/NDF:765652.3/18

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

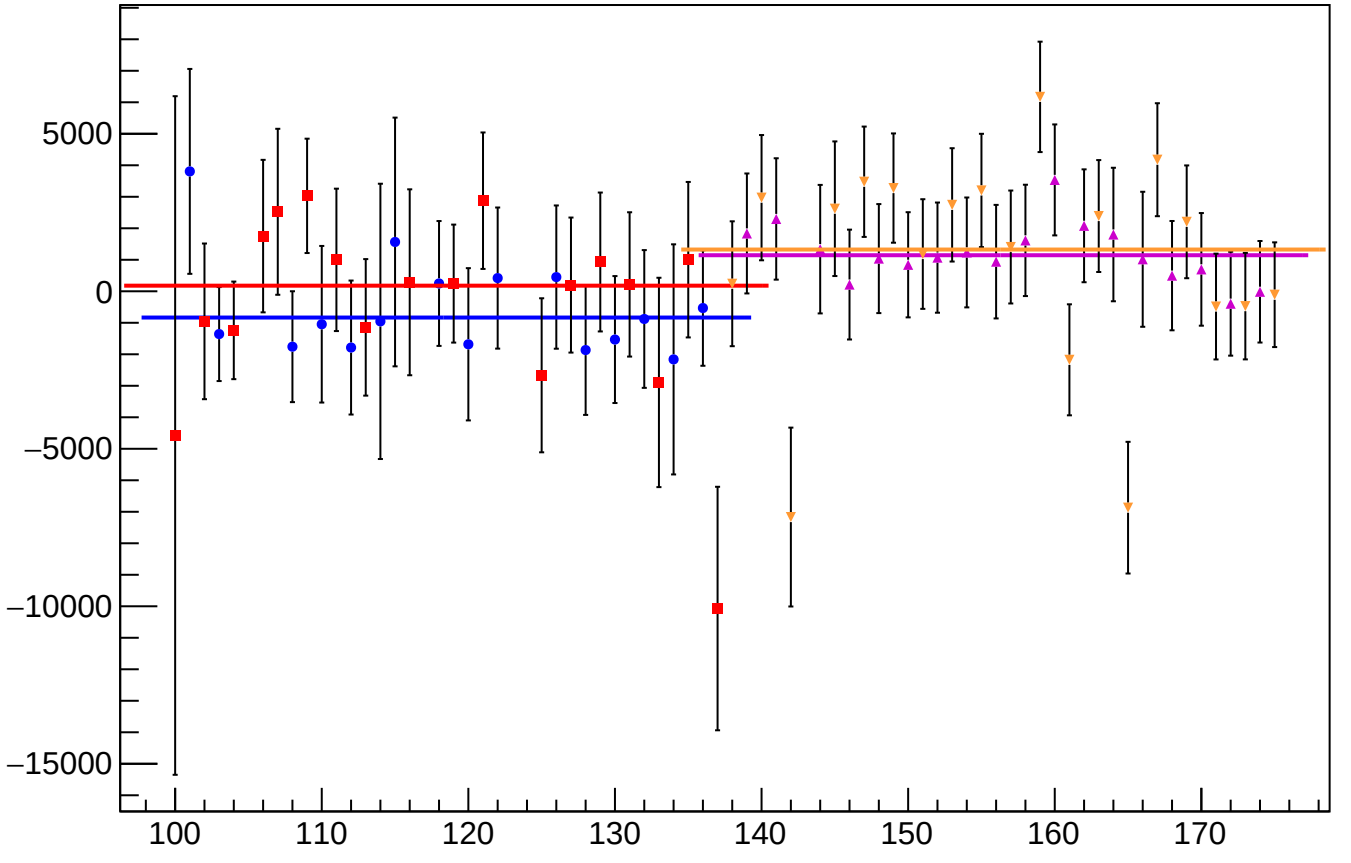
Left In: 7568.611+/-1.417 χ^2/NDF:1042904.2/17

+ sign 6867.350+/-1.059 χ^2/NDF: 1991520.8/34

All: 6589.140+/-0.728 χ^2/NDF: 6158889.7/70

- sign 6338.985+/-1.004 χ^2/NDF: 4036180.1/35

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1325.250+/-420.656 χ^2/NDF:47.9/18

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

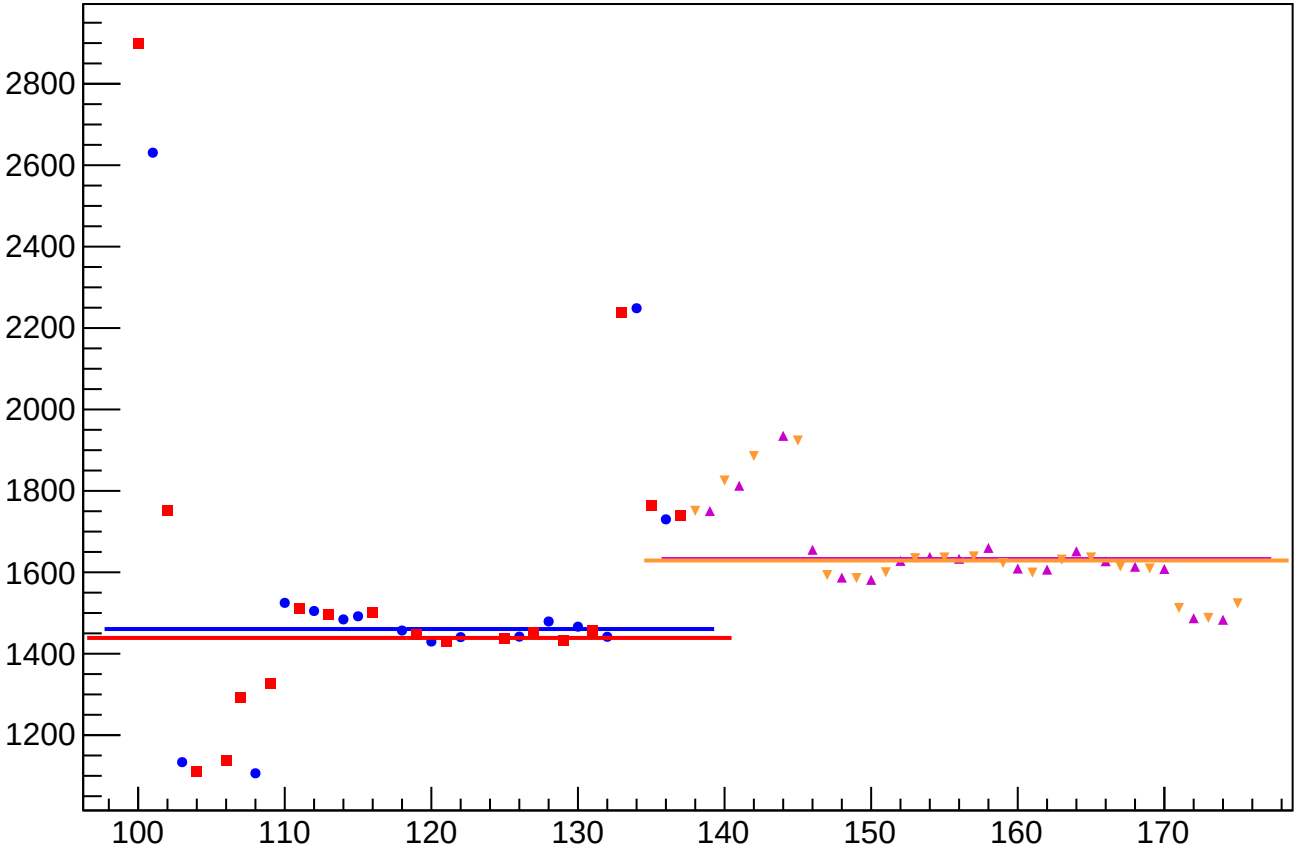
Left In: 1144.625+/-423.990 χ^2/NDF:4.7/17

+ sign 537.280+/-335.206 χ^2/NDF: 62.1/34

All: 659.890+/-237.059 χ^2/NDF: 85.5/70

- sign 782.567+/-335.298 χ^2/NDF: 23.1/35

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1628.972+/-0.297 χ^2/NDF:116814.5/18

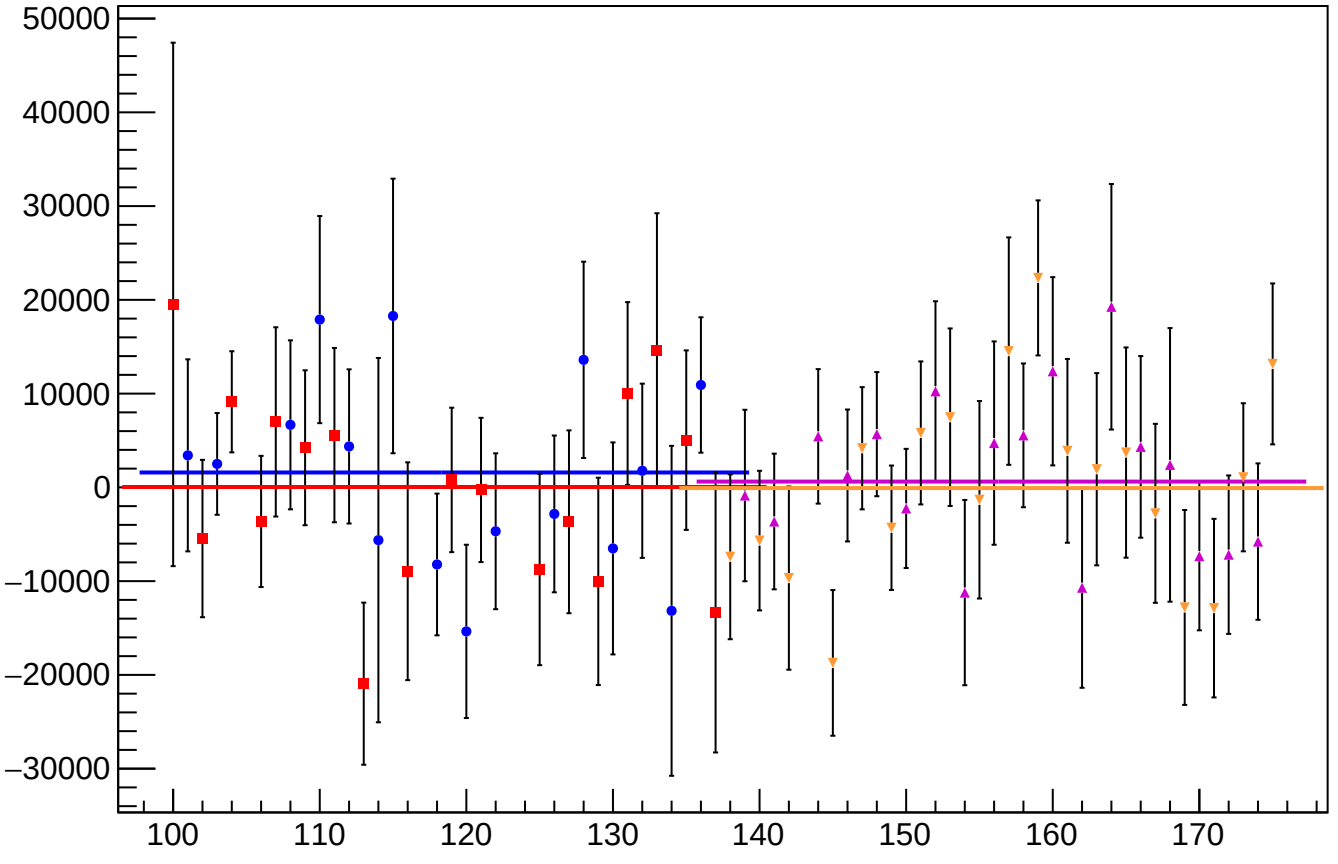
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1632.556+/-0.300 χ^2/NDF:107481.9/17

+ sign 1567.535+/-0.237 χ^2/NDF: 809431.1/34

All: 1563.641+/-0.168 χ^2/NDF: 1447797.0/70

- sign 1559.752+/-0.237 χ^2/NDF: 637826.5/35



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -73.813+/-1992.717 χ^2/NDF:25.0/18

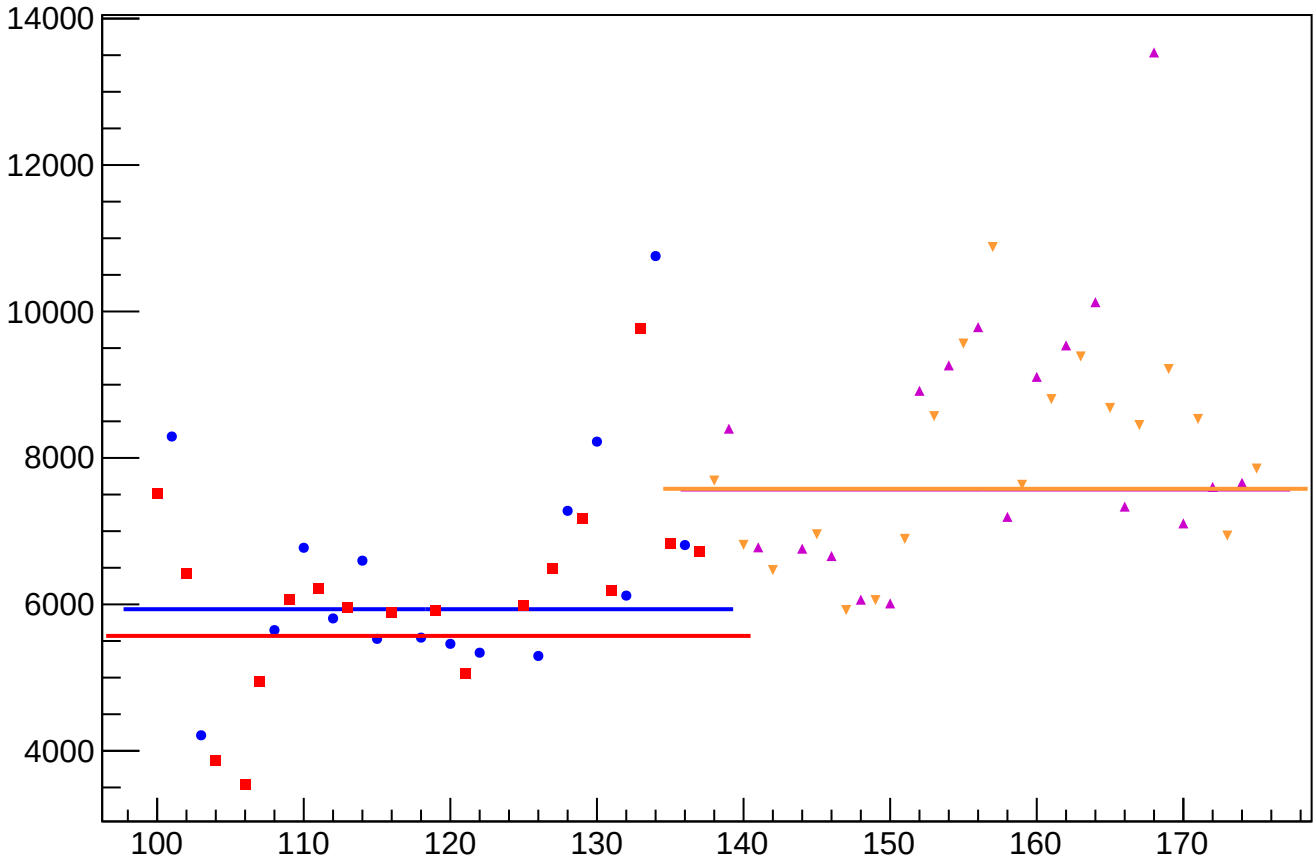
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 617.299+/-2003.439 χ^2/NDF:11.8/17

+ sign 651.806+/-1495.904 χ^2/NDF: 39.5/34

All: 495.744+/-1044.954 χ^2/NDF: 67.8/70

- sign 347.021+/-1460.314 χ^2/NDF: 28.2/35



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7578.531+/-1.409 χ^2/NDF:765652.0/18

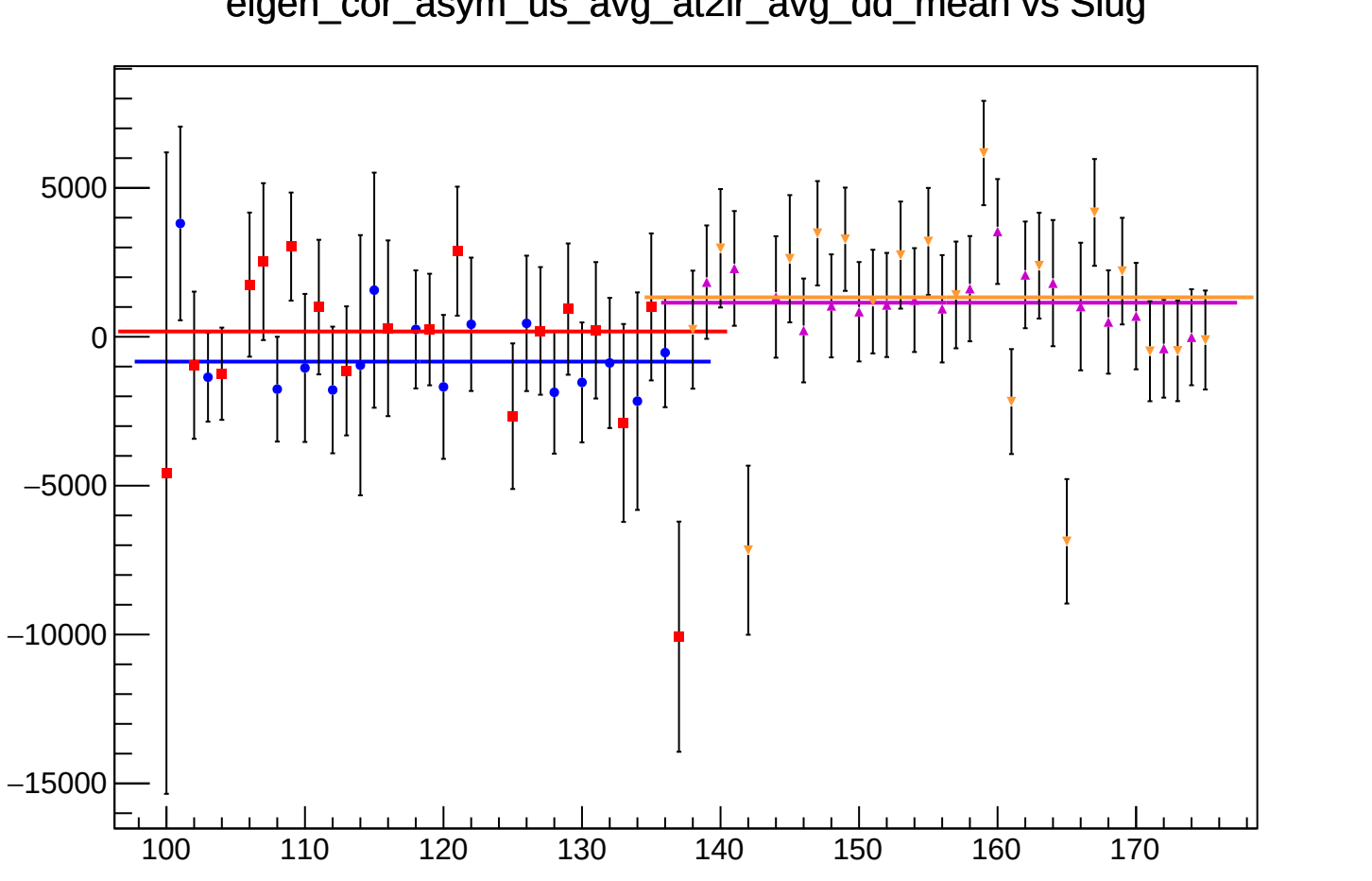
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7568.605+/-1.417 χ^2/NDF:1042908.0/17

+ sign 6860.833+/-1.058 χ^2/NDF: 2013119.6/34

All: 6743.495+/-0.739 χ^2/NDF: 4737357.6/70

- sign 6631.674+/-1.033 χ^2/NDF: 2700205.7/35



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1325.250+/-420.656 χ^2/NDF:47.9/18

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

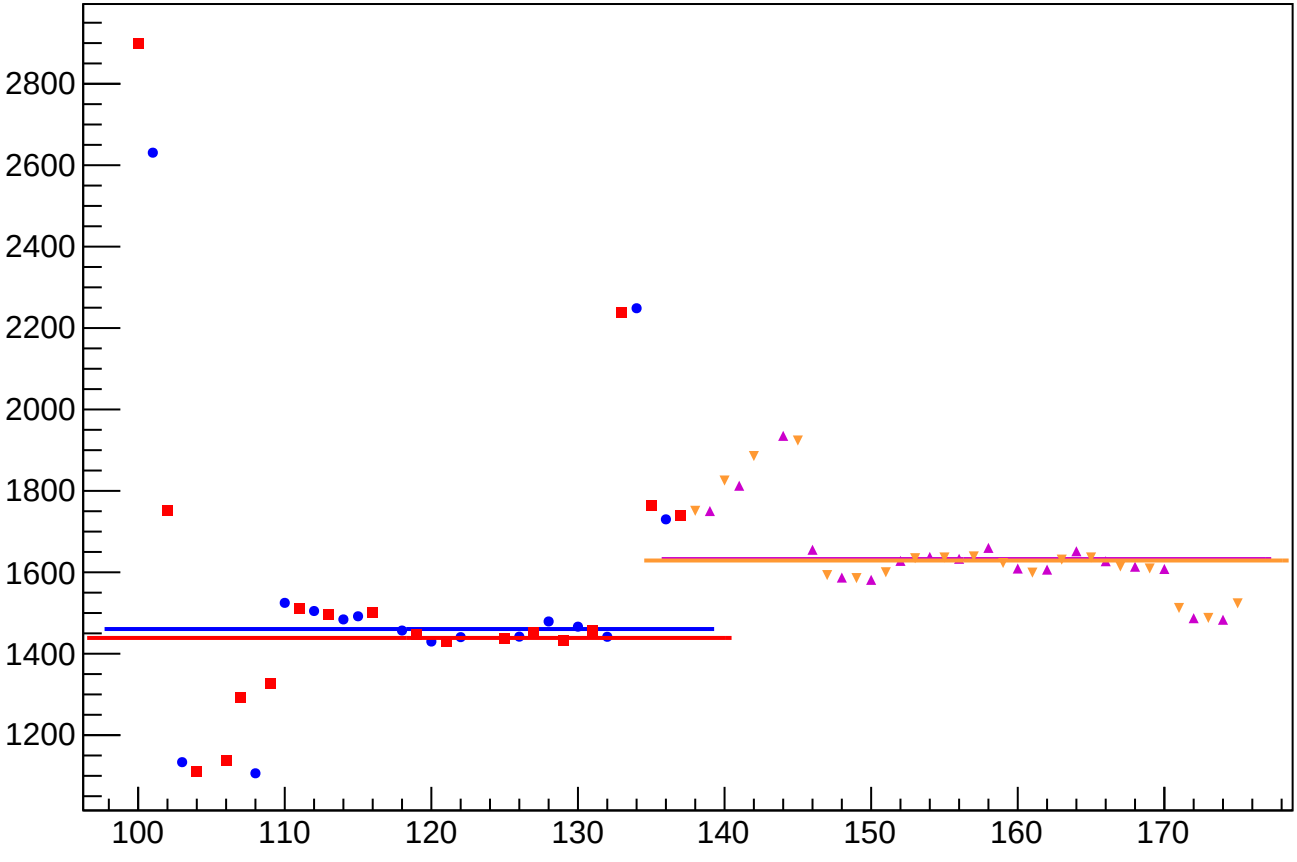
Left In: 1144.625+/-423.990 χ^2/NDF:4.7/17

+ sign 537.280+/-335.206 χ^2/NDF: 62.1/34

All: 659.890+/-237.059 χ^2/NDF: 85.5/70

- sign 782.567+/-335.298 χ^2/NDF: 23.1/35

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1628.972+/-0.297 χ^2/NDF:116814.5/18

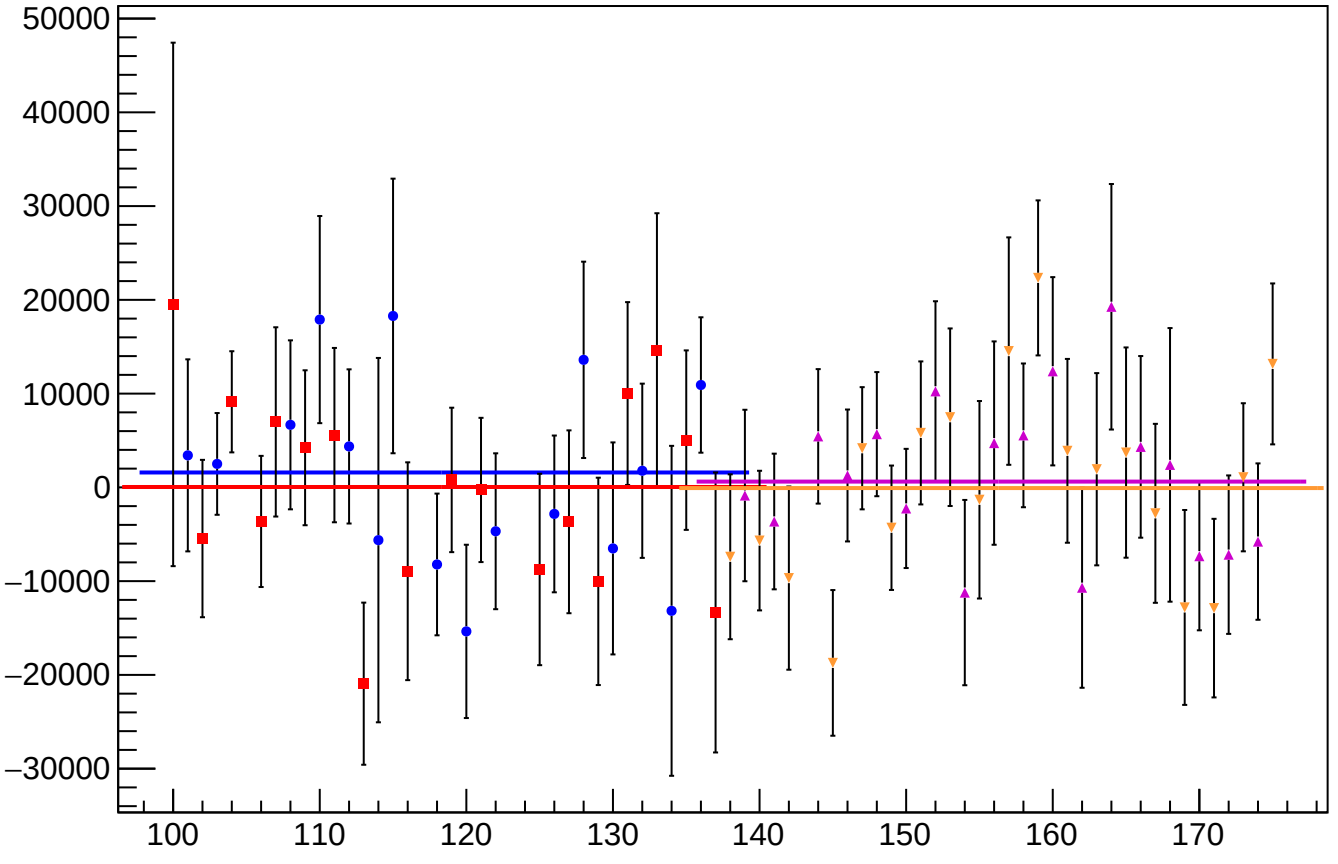
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1632.556+/-0.300 χ^2/NDF:107481.9/17

\+ sign 1567.535+/-0.237 χ^2/NDF: 809431.1/34

All: 1563.641+/-0.168 χ^2/NDF: 1447797.0/70

\- sign 1559.752+/-0.237 χ^2/NDF: 637826.5/35



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -73.813+/-1992.717 χ^2/NDF:25.0/18

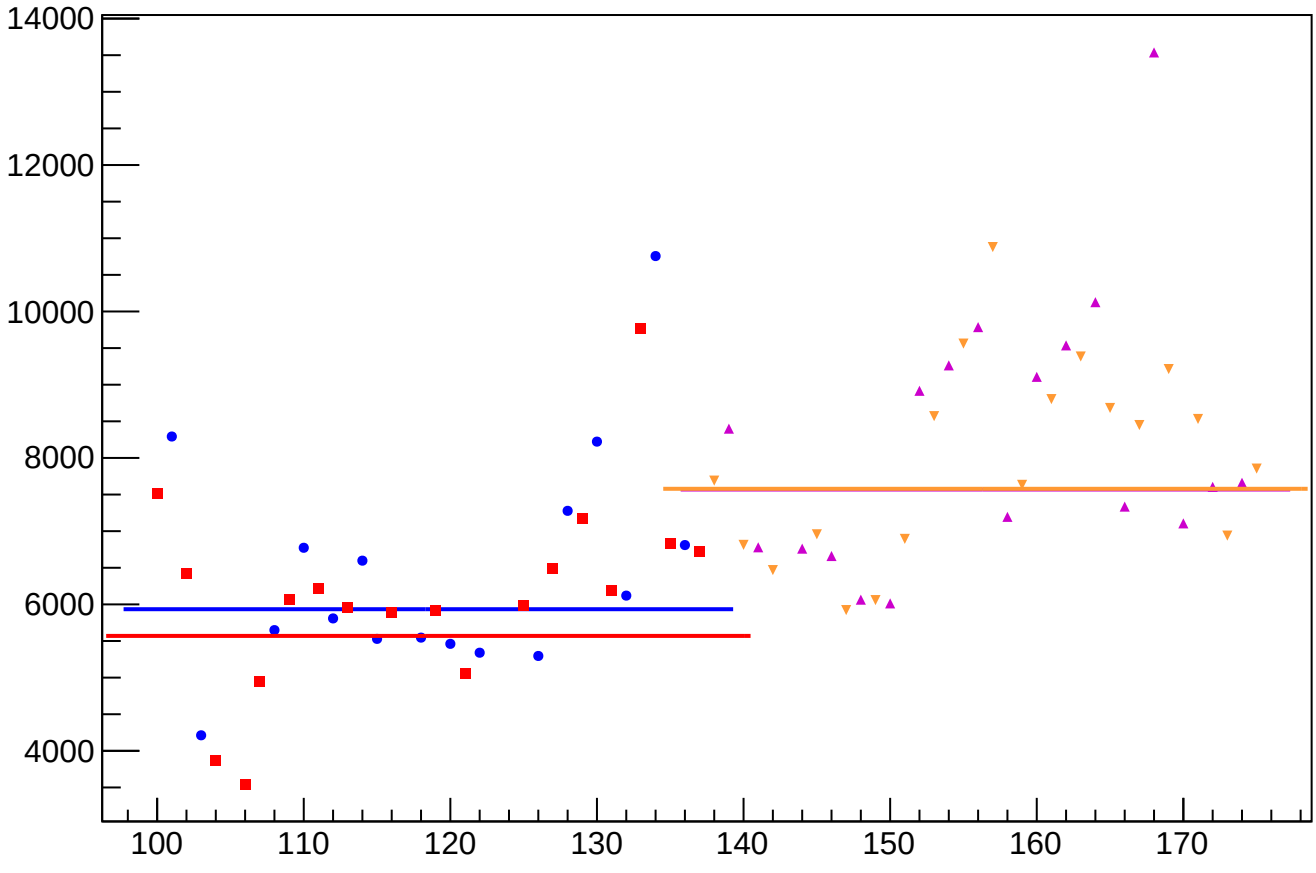
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 617.299+/-2003.439 χ^2/NDF:11.8/17

+ sign 651.806+/-1495.904 χ^2/NDF: 39.5/34

All: 495.744+/-1044.954 χ^2/NDF: 67.8/70

- sign 347.021+/-1460.314 χ^2/NDF: 28.2/35



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7578.531+/-1.409 χ^2/NDF:765652.0/18

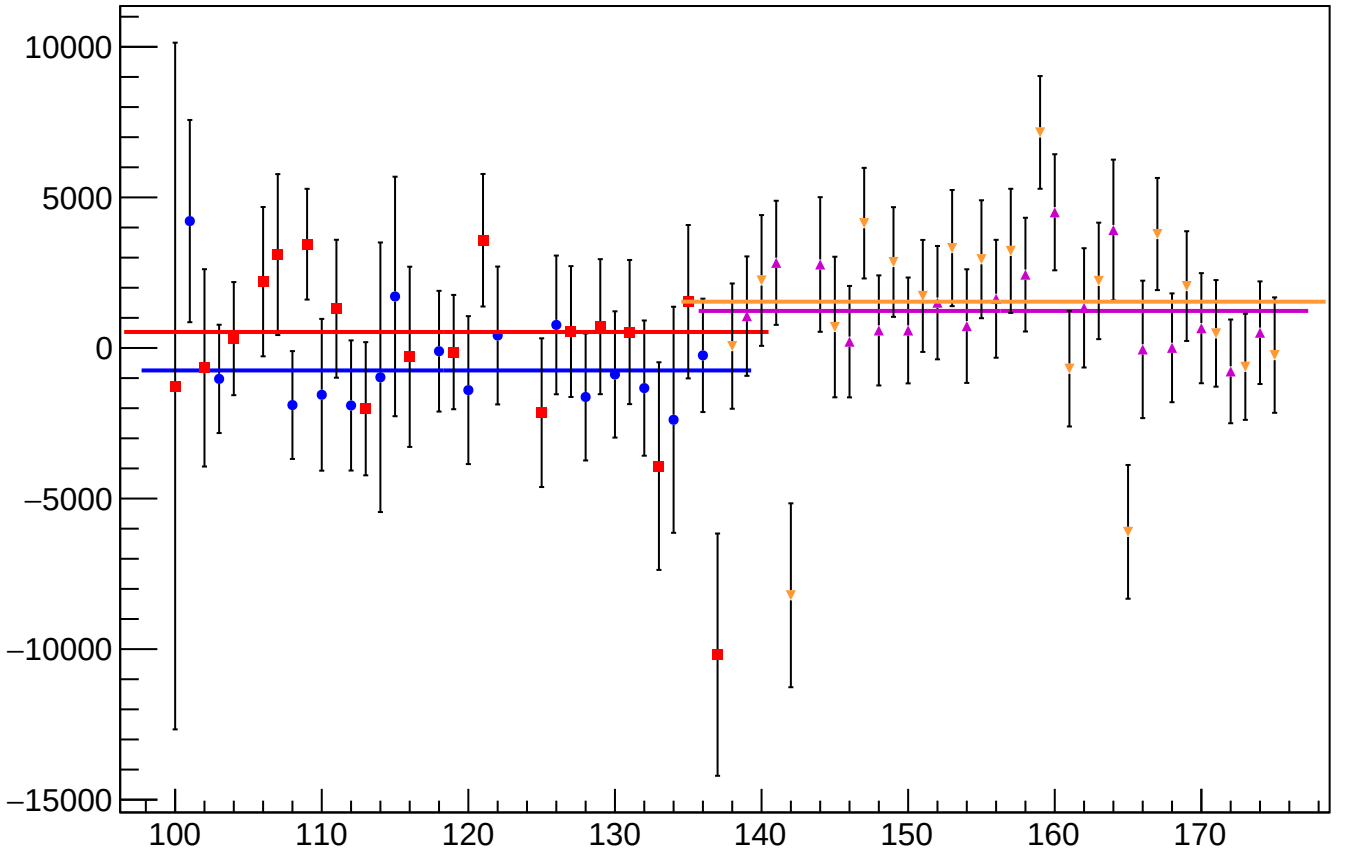
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7568.605+/-1.417 χ^2/NDF:1042908.0/17

+ sign 6860.833+/-1.058 χ^2/NDF: 2013119.6/34

All: 6743.495+/-0.739 χ^2/NDF: 4737357.6/70

- sign 6631.674+/-1.033 χ^2/NDF: 2700205.7/35



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1537.328+/-450.974 χ^2/NDF:42.1/18

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

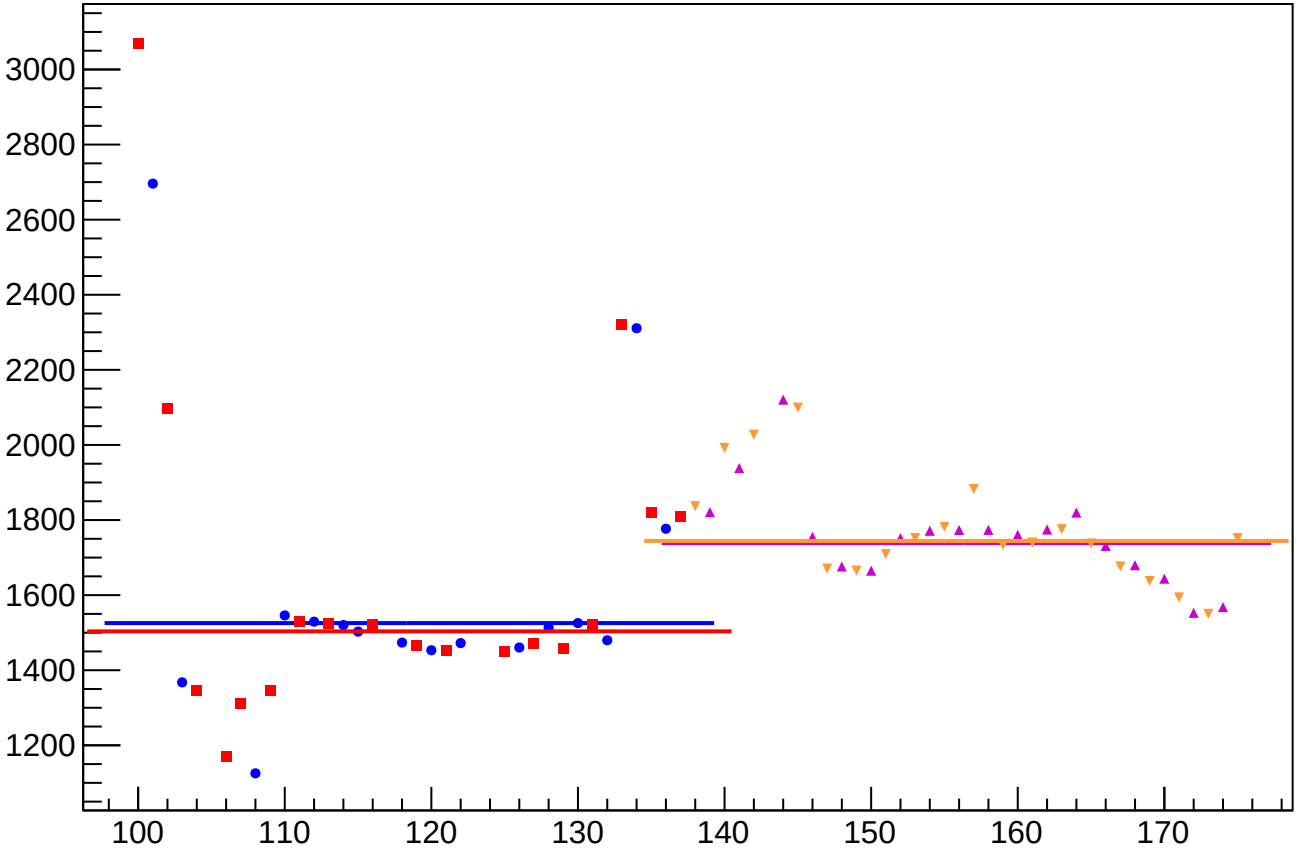
Left In: 1230.381+/-451.928 χ^2/NDF:8.8/17

+ sign 673.471+/-355.571 χ^2/NDF: 56.6/34

All: 818.578+/-251.346 χ^2/NDF: 84.4/70

- sign 963.499+/-355.343 χ^2/NDF: 27.5/35

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1744.335+/-0.319 χ^2/NDF:159843.5/18

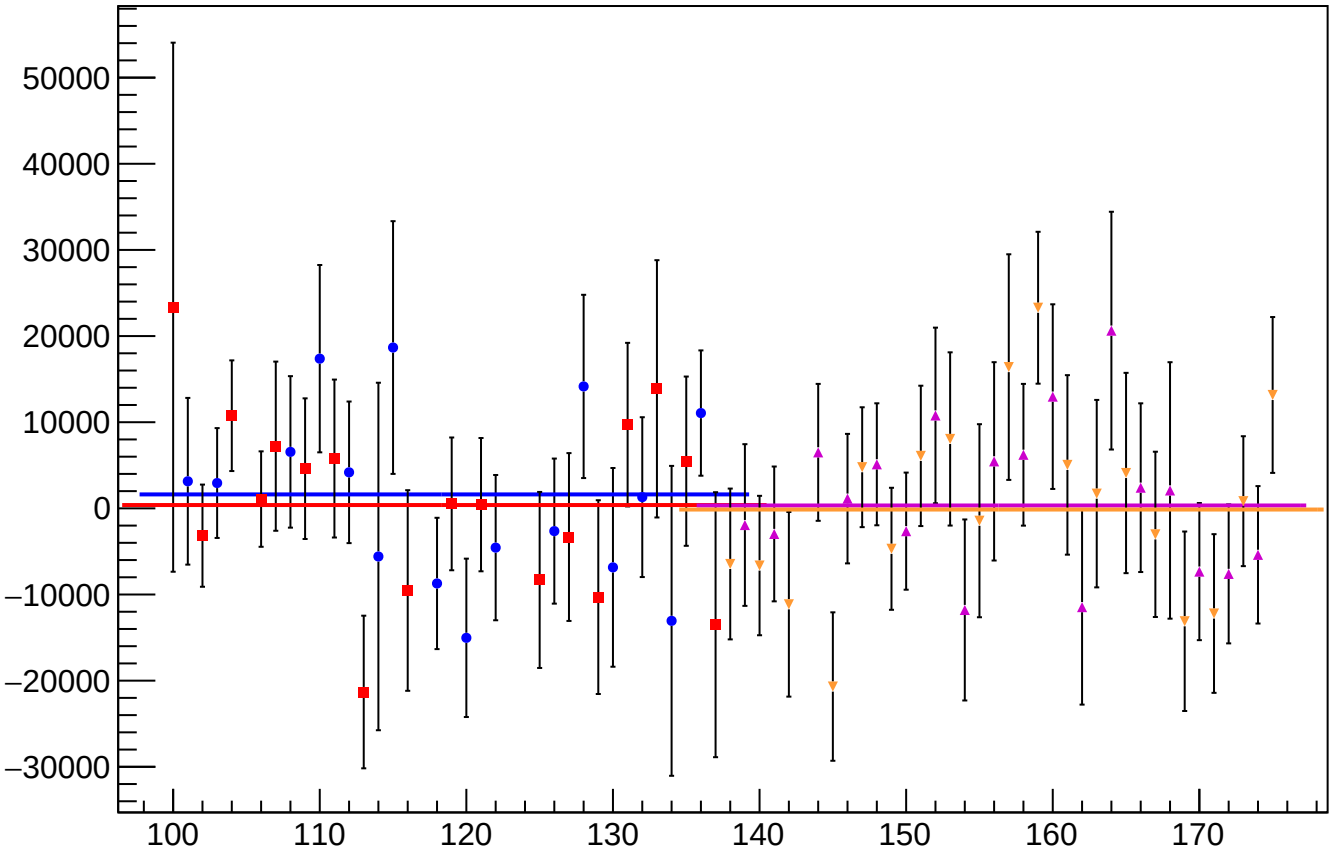
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1738.577+/-0.320 χ^2/NDF:142863.3/17

+ sign 1661.553+/-0.251 χ^2/NDF: 826290.1/34

All: 1655.160+/-0.178 χ^2/NDF: 1515728.6/70

- sign 1648.777+/-0.251 χ^2/NDF: 688146.5/35



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -136.718+/-2087.619 χ^2/NDF:24.7/18

Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

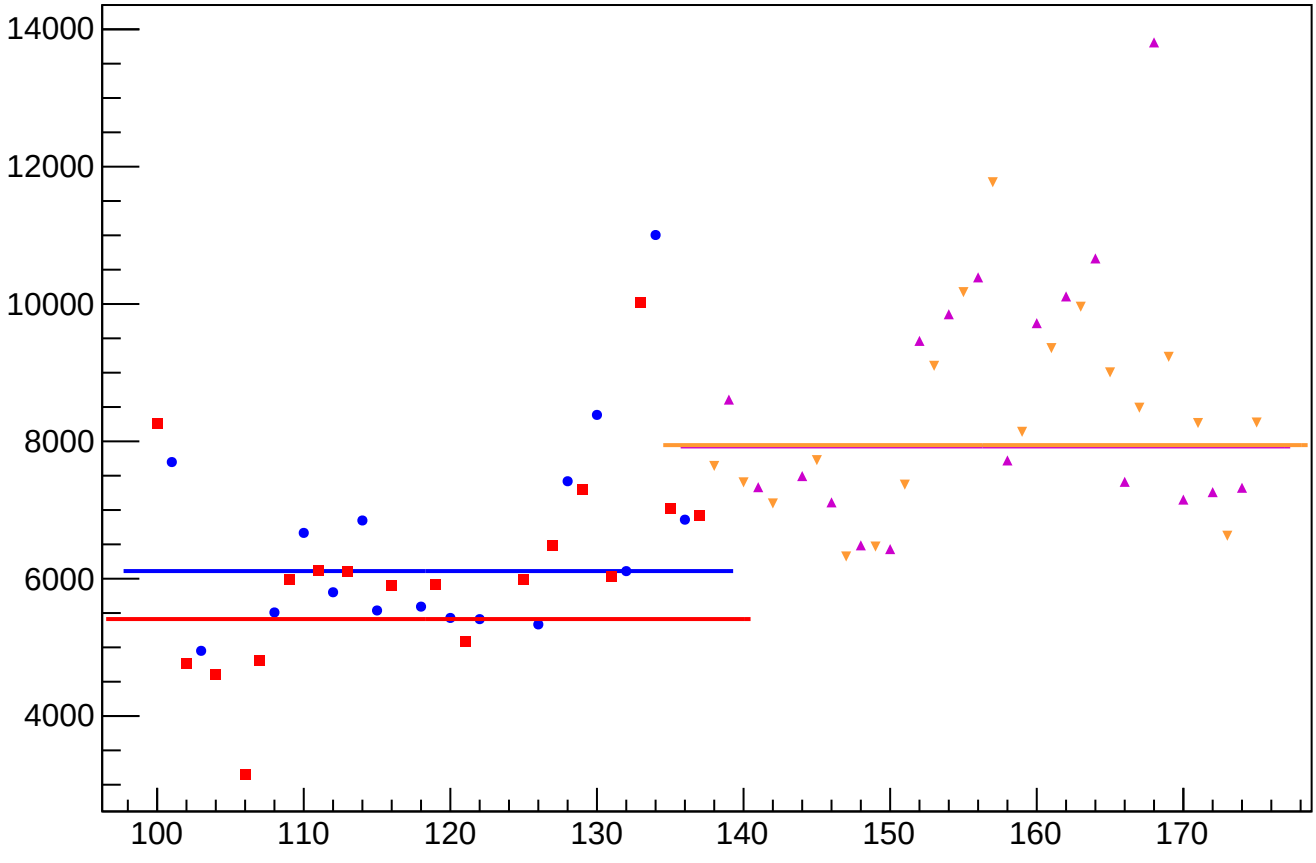
Left In: 334.115+/-2097.087 χ^2/NDF:11.7/17

+ sign 649.293+/-1551.851 χ^2/NDF: 39.3/34

All: 497.059+/-1067.169 χ^2/NDF: 67.0/70

- sign 360.480+/-1469.892 χ^2/NDF: 27.7/35

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7945.191+/-1.476 χ^2/NDF:733358.5/18

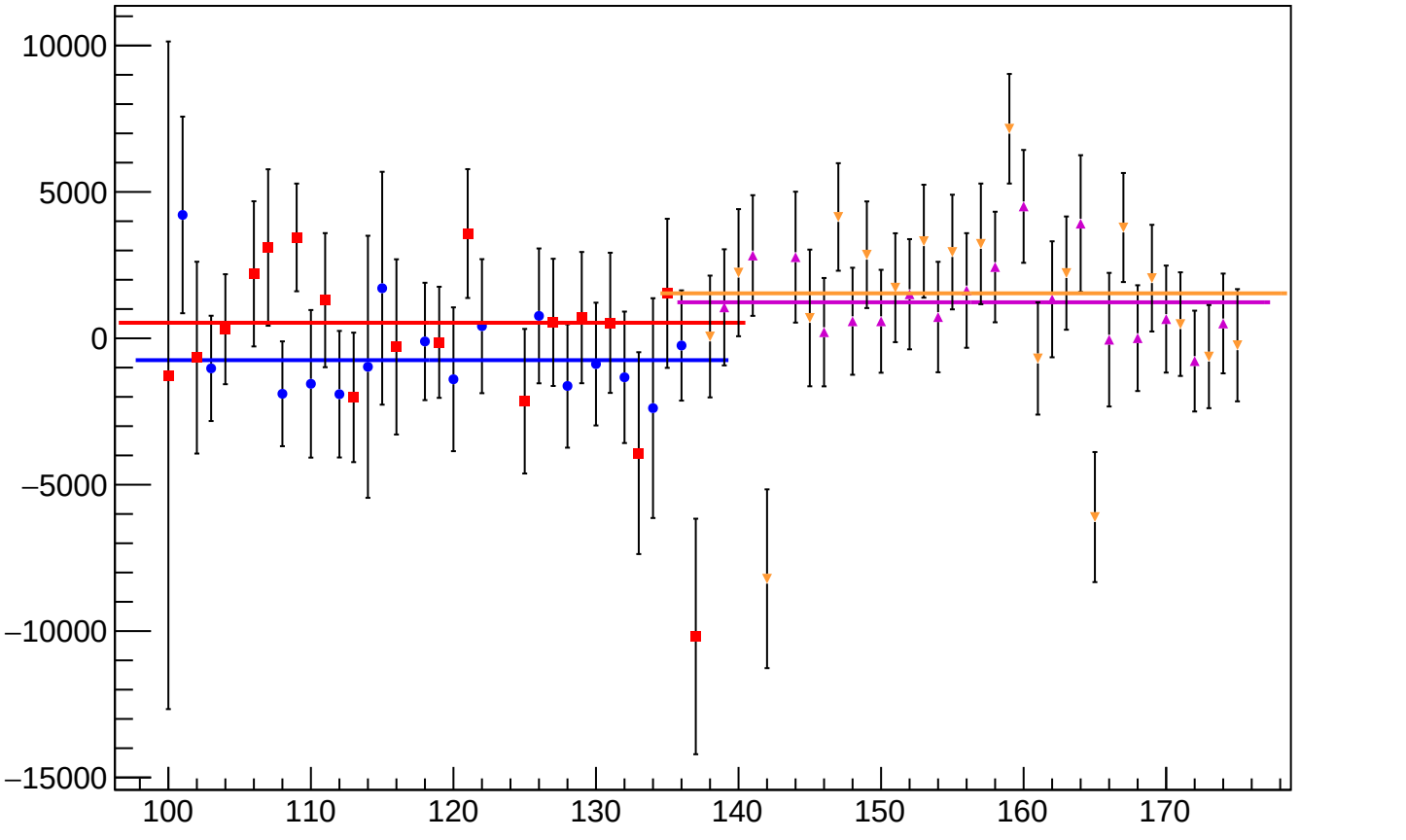
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7925.563+/-1.483 χ^2/NDF:1007464.9/17

+ sign 7124.559+/-1.097 χ^2/NDF: 1895754.8/34

All: 6872.851+/-0.755 χ^2/NDF: 5285914.7/70

- sign 6647.028+/-1.039 χ^2/NDF: 3290337.3/35



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1537.331+/-450.975 χ^2/NDF:42.1/18

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

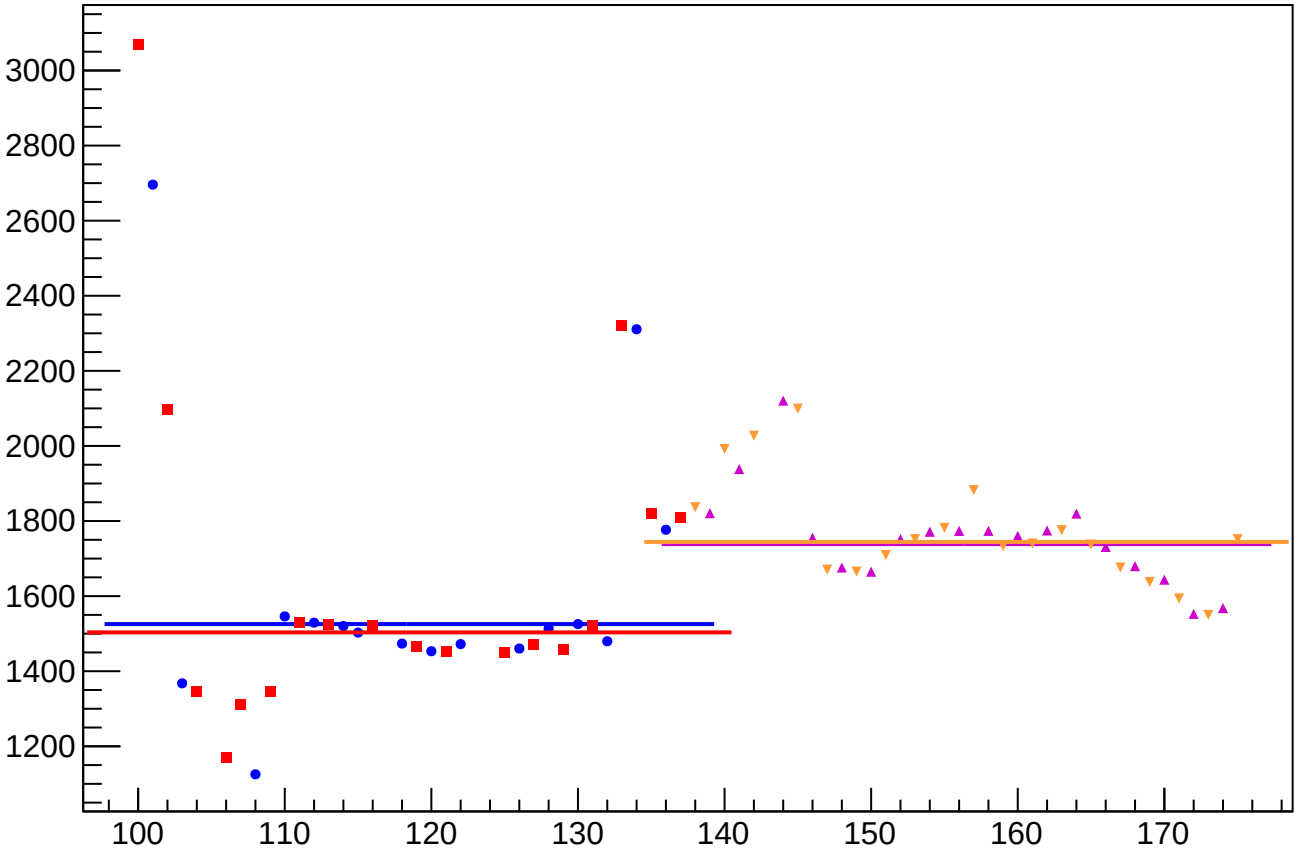
Left In: 1230.378+/-451.928 χ^2/NDF:8.8/17

+ sign 673.470+/-355.571 χ^2/NDF: 56.6/34

All: 818.578+/-251.346 χ^2/NDF: 84.4/70

- sign 963.501+/-355.344 χ^2/NDF: 27.5/35

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1744.337+/-0.319 χ^2/NDF:159848.6/18

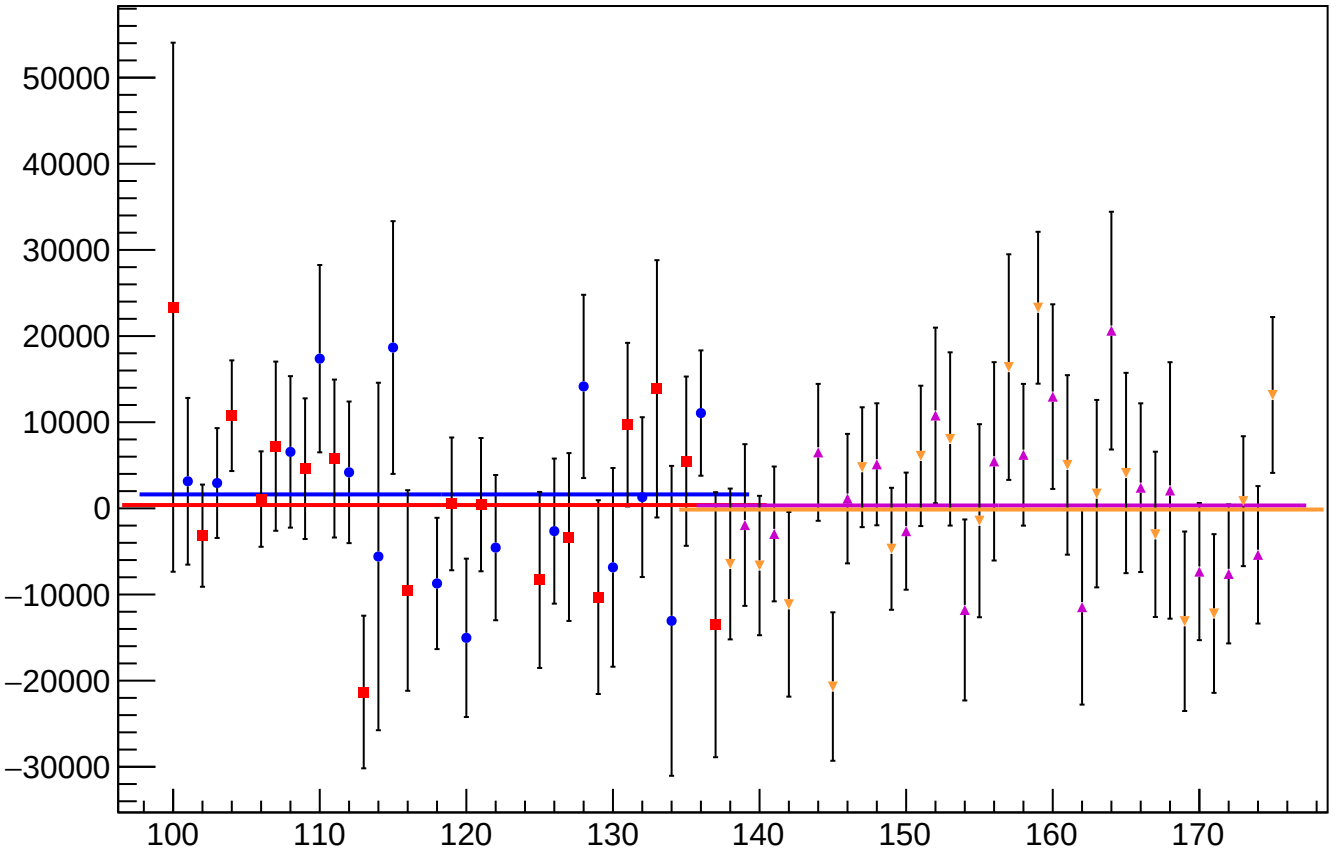
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1738.579+/-0.320 χ^2/NDF:142867.6/17

+ sign 1661.554+/-0.251 χ^2/NDF: 826297.1/34

All: 1655.161+/-0.178 χ^2/NDF: 1515742.8/70

- sign 1648.778+/-0.251 χ^2/NDF: 688153.7/35



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -136.718+/-2087.622 χ^2/NDF:24.7/18

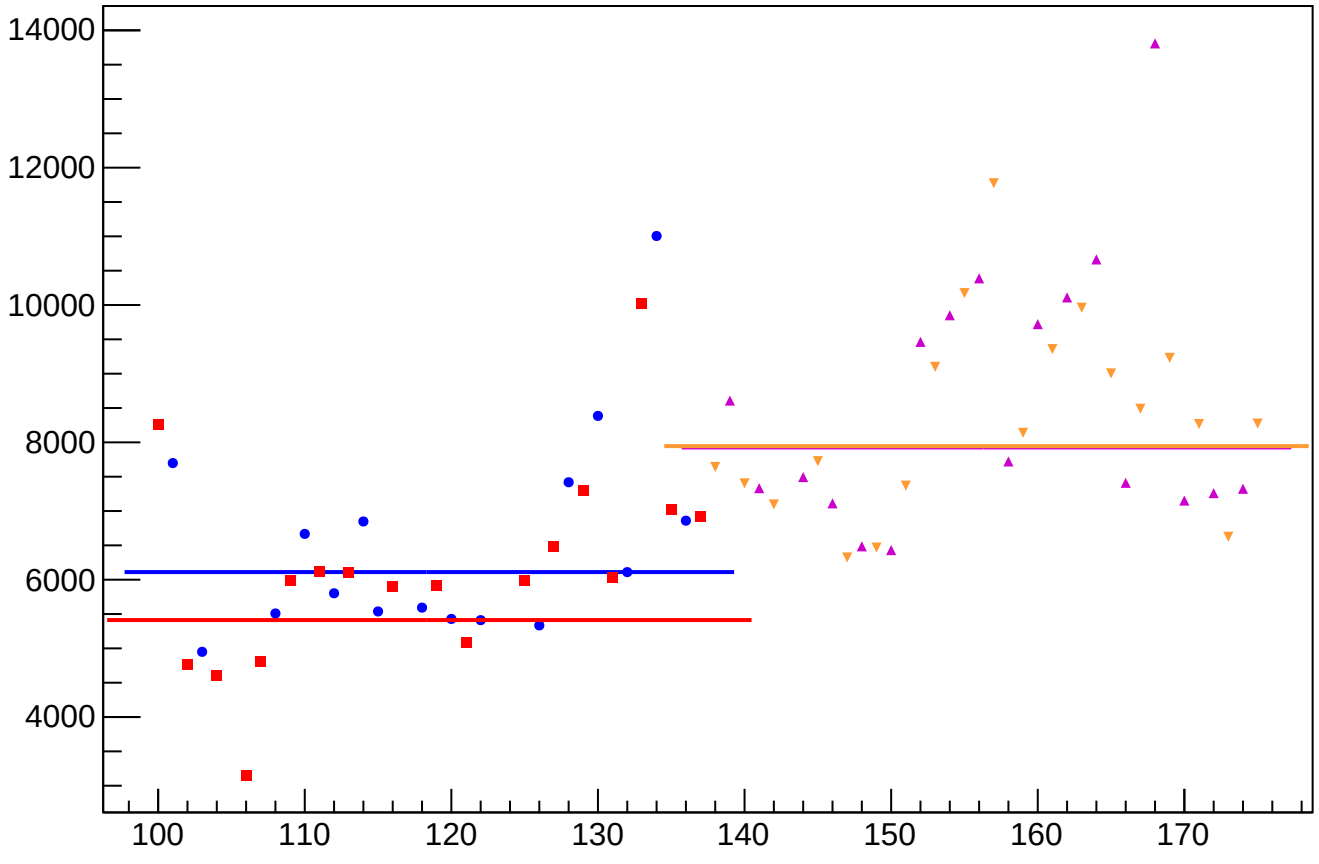
Right Out: 385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 334.112+/-2097.090 χ^2/NDF:11.7/17

+ sign 649.287+/-1551.851 χ^2/NDF: 39.3/34

All: 497.057+/-1067.169 χ^2/NDF: 67.0/70

- sign 360.482+/-1469.891 χ^2/NDF: 27.7/35



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7945.203+/-1.476 χ^2/NDF:733359.1/18

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

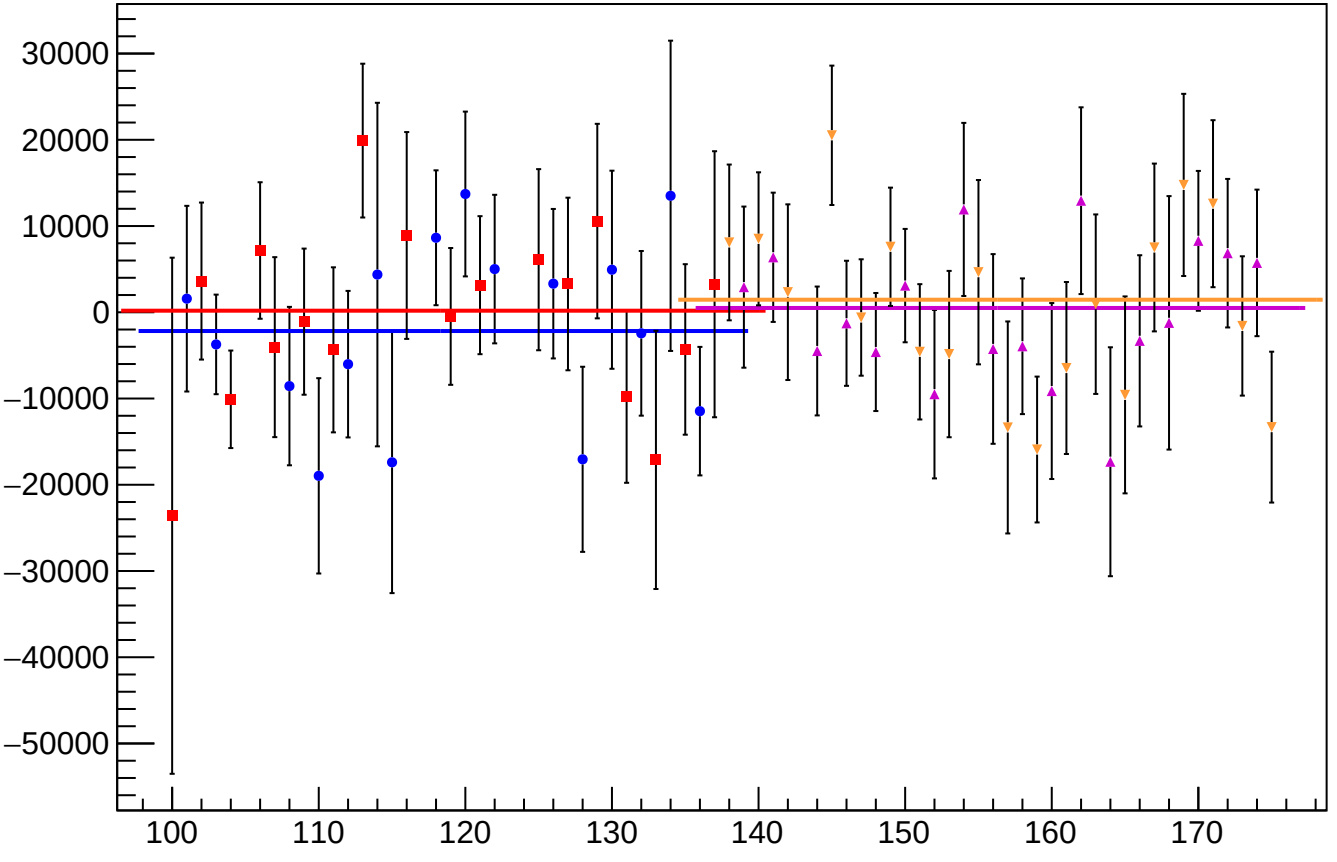
Left In: 7925.574+/-1.483 χ^2/NDF:1007466.7/17

+ sign 7124.557+/-1.097 χ^2/NDF: 1895777.7/34

All: 6872.847+/-0.755 χ^2/NDF: 5285967.4/70

- sign 6647.024+/-1.039 χ^2/NDF: 3290366.2/35

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1456.919+/-2044.893 χ^2/NDF:22.5/18

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

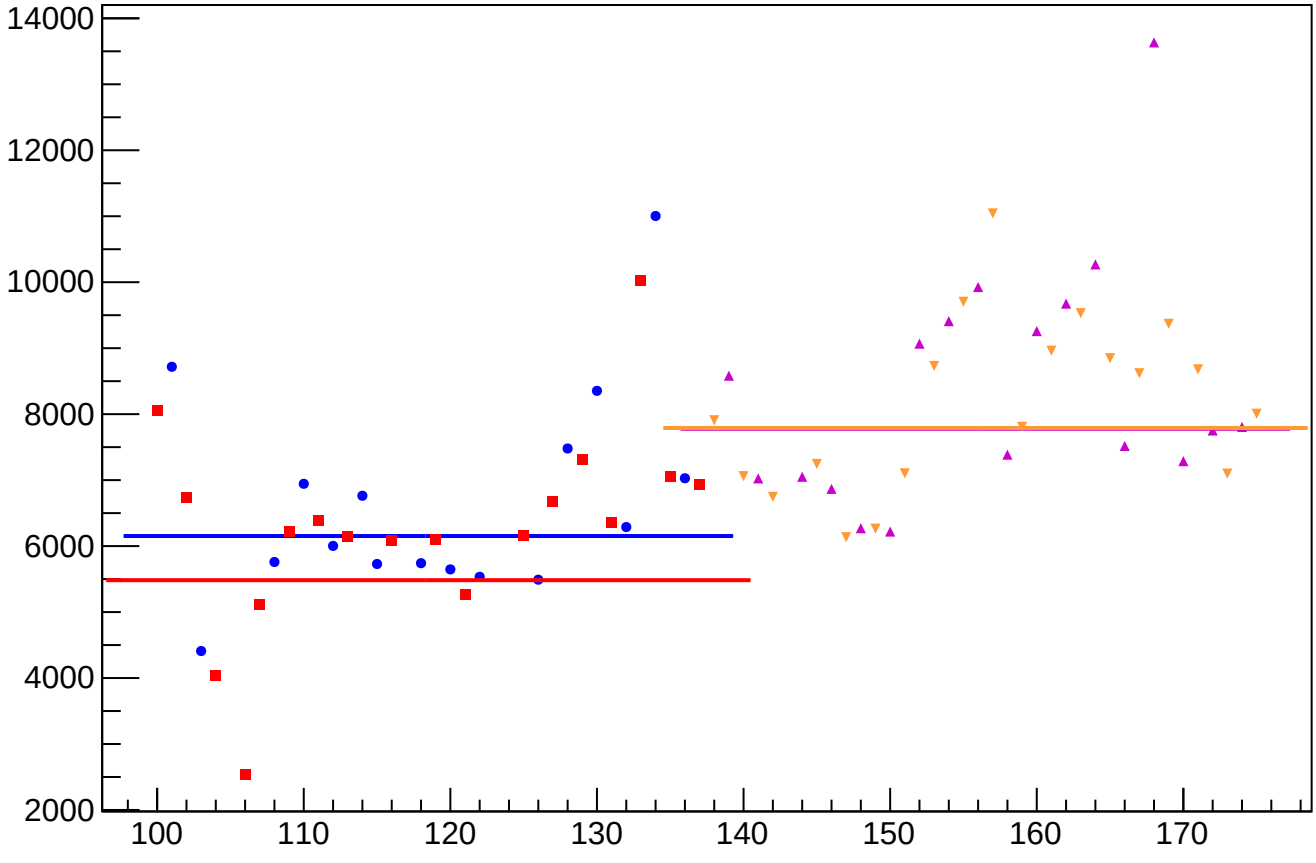
Left In: 499.365+/-2055.635 χ^2/NDF:10.8/17

\+ sign -109.472+/-1541.966 χ^2/NDF: 38.4/34

All: 127.058+/-1079.254 χ^2/NDF: 63.9/70

\- sign 354.211+/-1511.094 χ^2/NDF: 25.4/35

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7790.392+/-1.446 χ^2/NDF:698965.7/18

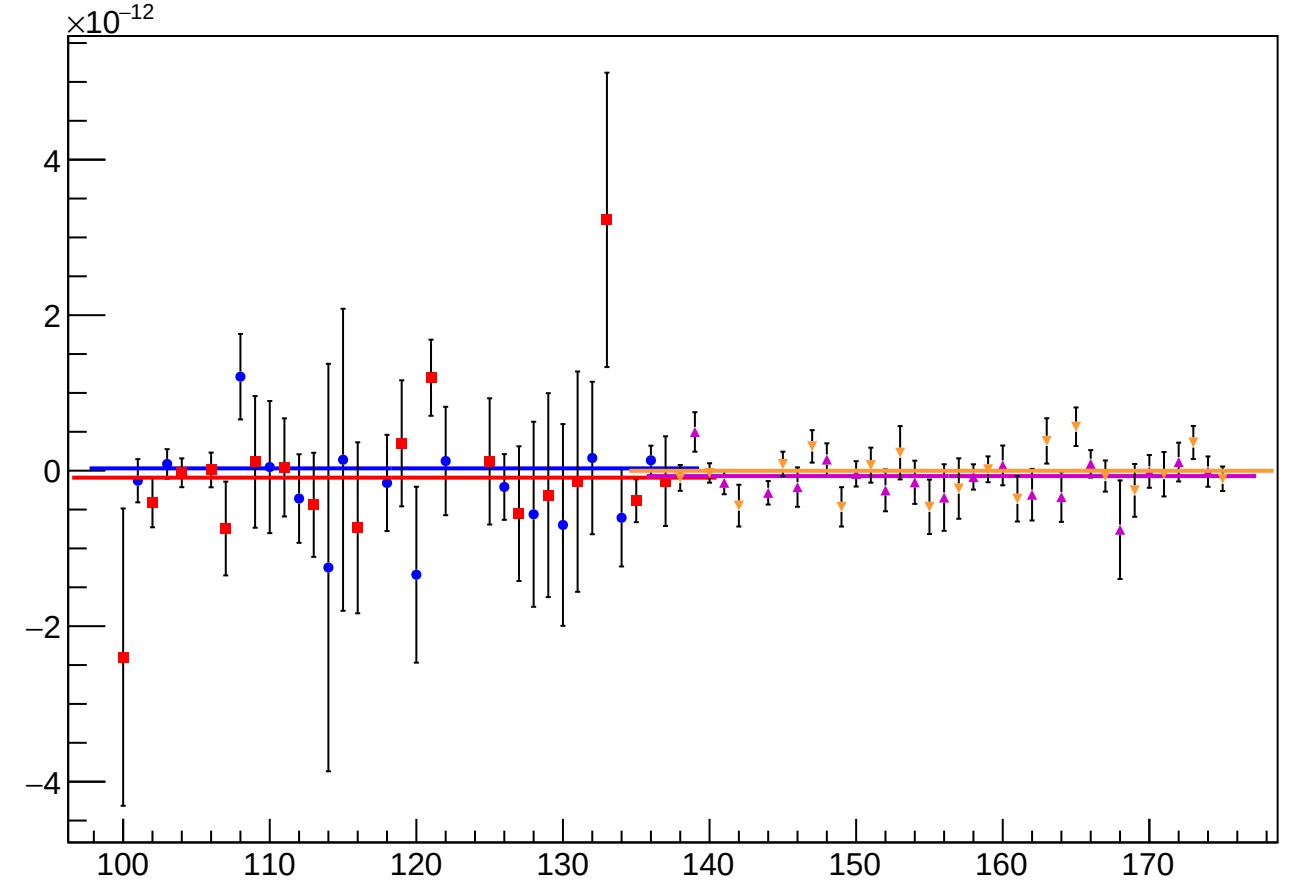
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7778.474+/-1.454 χ^2/NDF:964329.1/17

+ sign 7083.886+/-1.090 χ^2/NDF: 1876392.6/34

All: 6875.313+/-0.756 χ^2/NDF: 5251337.4/70

- sign 6681.759+/-1.050 χ^2/NDF: 3304393.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/18

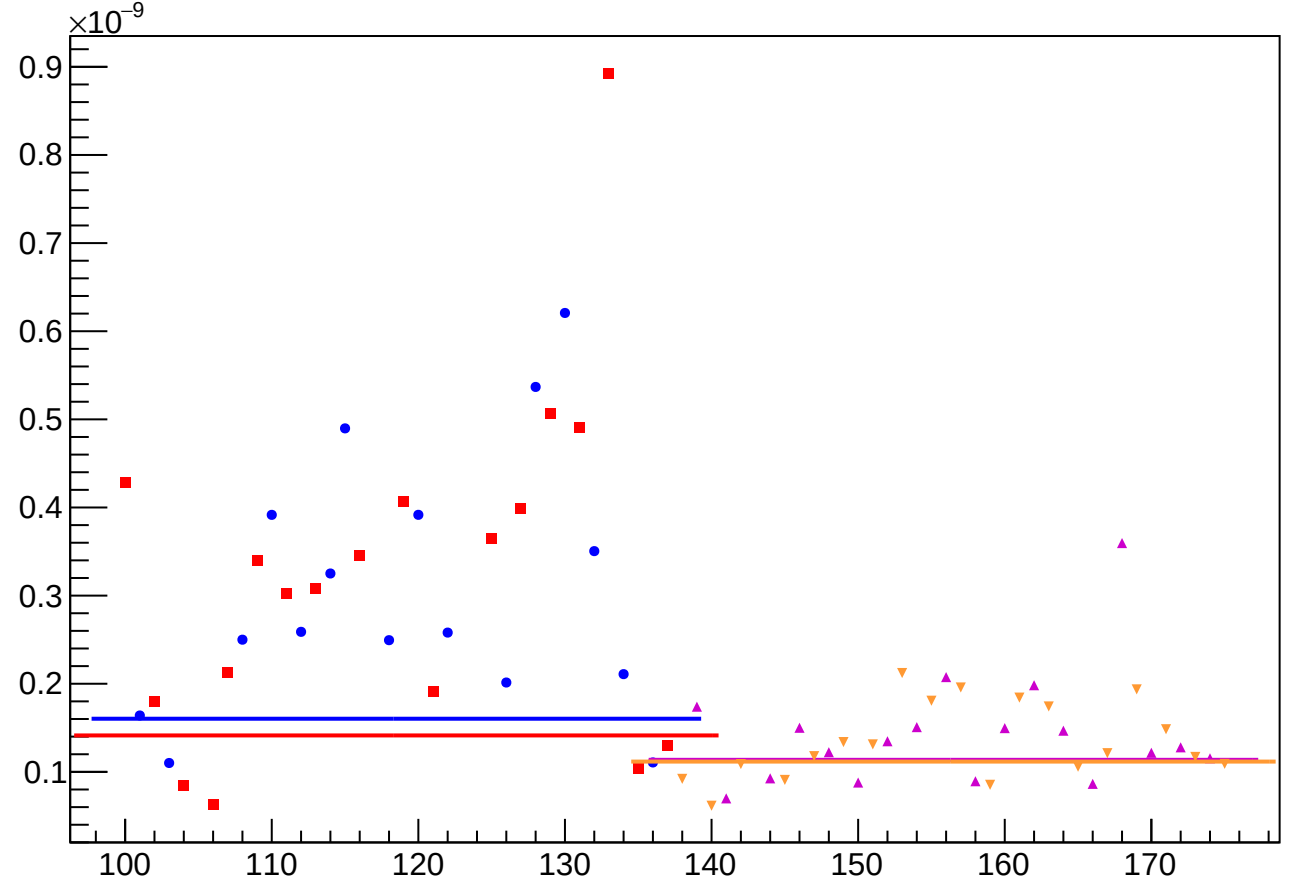
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:13.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 33.8/34

All: -0.000+/-0.000 χ^2/NDF: 65.7/70

- sign -0.000+/-0.000 χ^2/NDF: 30.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1181605.1/18

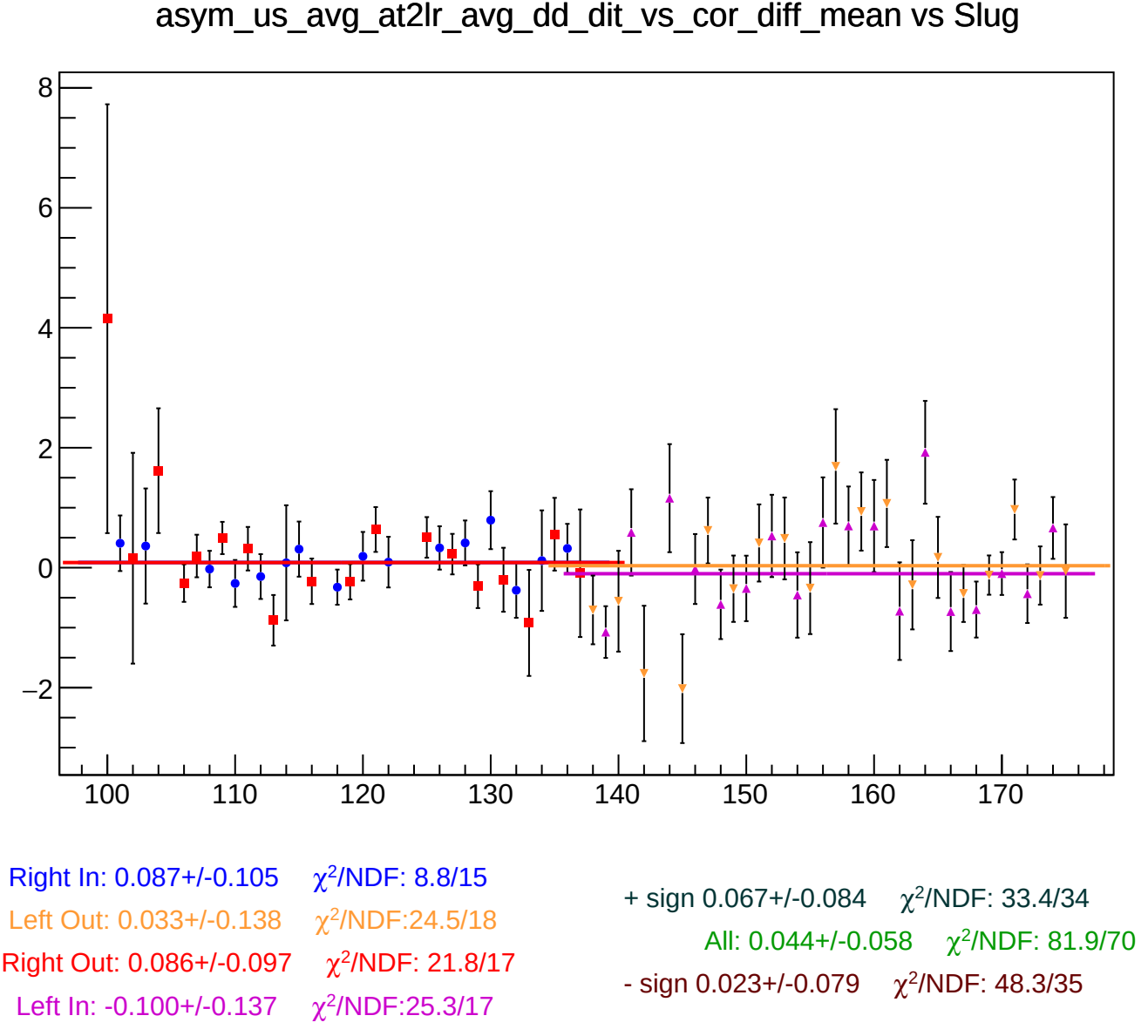
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

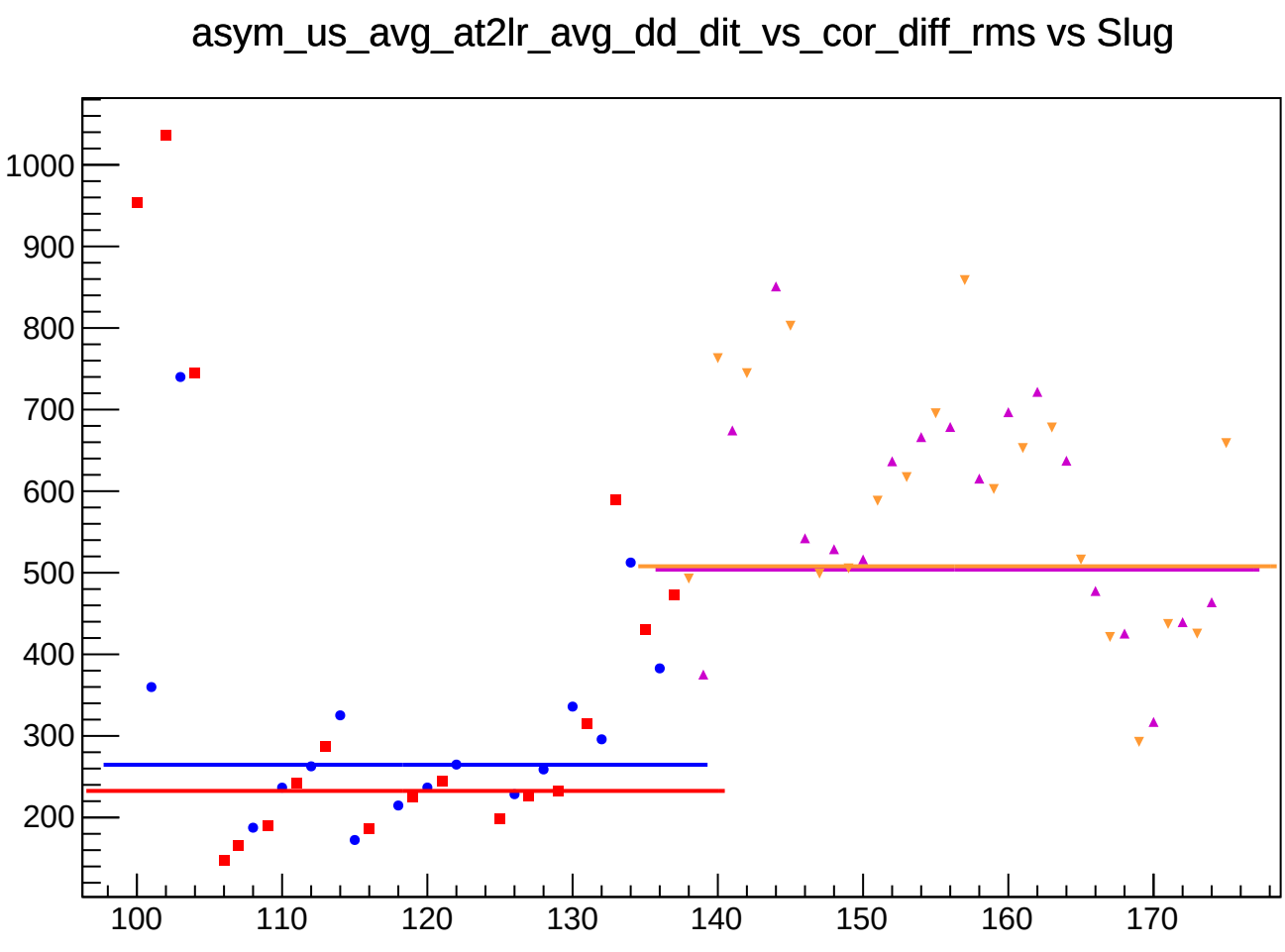
Left In: 0.000+/-0.000 χ^2/NDF:1159577.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 2871196.3/34

All: 0.000+/-0.000 χ^2/NDF: 6314439.5/70

- sign 0.000+/-0.000 χ^2/NDF: 3442346.0/35


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: 0.033+/-0.138 χ²/NDF:24.5/18
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.100+/-0.137 χ²/NDF:25.3/17
+ sign 0.067+/-0.084 χ²/NDF: 33.4/34
All: 0.044+/-0.058 χ²/NDF: 81.9/70
- sign 0.023+/-0.079 χ²/NDF: 48.3/35



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 507.949+/-0.098 χ^2/NDF:2286558.6/18

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

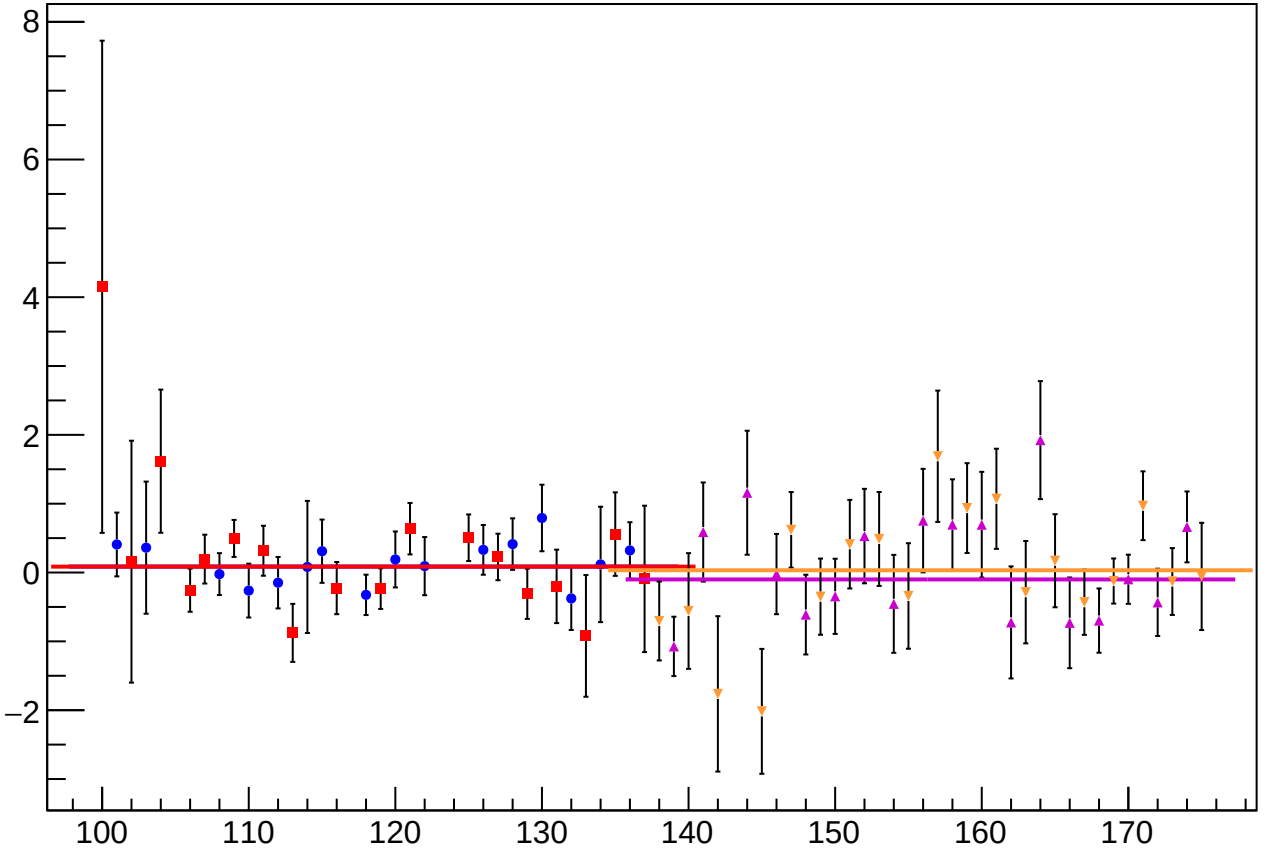
Left In: 503.842+/-0.097 χ^2/NDF:1916771.9/17

+ sign 353.717+/-0.059 χ^2/NDF: 7494752.0/34

All: 337.839+/-0.041 χ^2/NDF: 16789196.5/70

- sign 323.555+/-0.056 χ^2/NDF: 9157610.6/35

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.033+/-0.138 χ^2/NDF:24.5/18

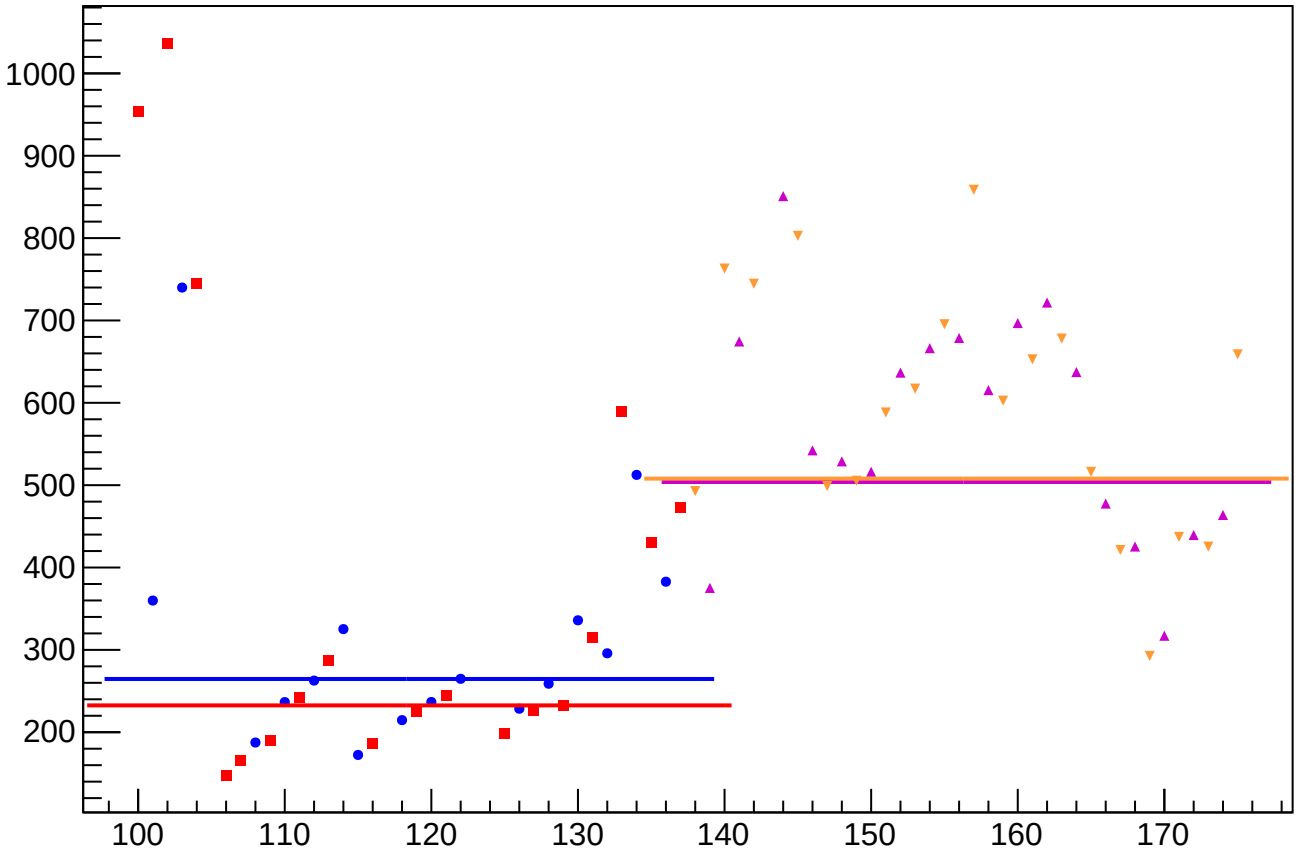
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.100+/-0.137 χ^2/NDF:25.3/17

+ sign 0.067+/-0.084 χ^2/NDF: 33.4/34

All: 0.044+/-0.058 χ^2/NDF: 81.9/70

- sign 0.023+/-0.079 χ^2/NDF: 48.3/35



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 507.949+/-0.098 χ^2/NDF:2286558.6/18

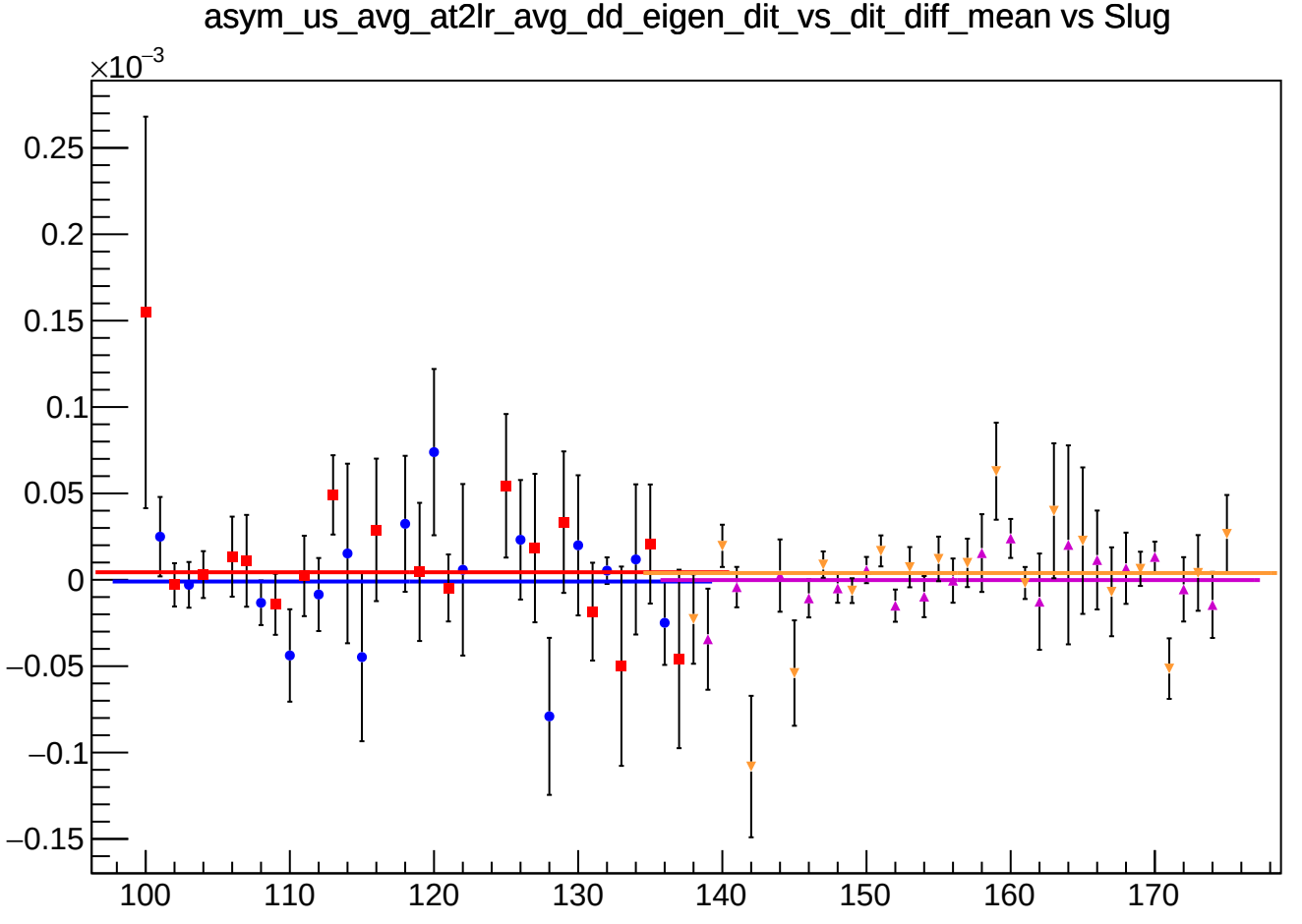
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 503.842+/-0.097 χ^2/NDF:1916771.9/17

+ sign 353.717+/-0.059 χ^2/NDF: 7494752.0/34

All: 337.839+/-0.041 χ^2/NDF: 16789196.5/70

- sign 323.555+/-0.056 χ^2/NDF: 9157610.6/35



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.0/18

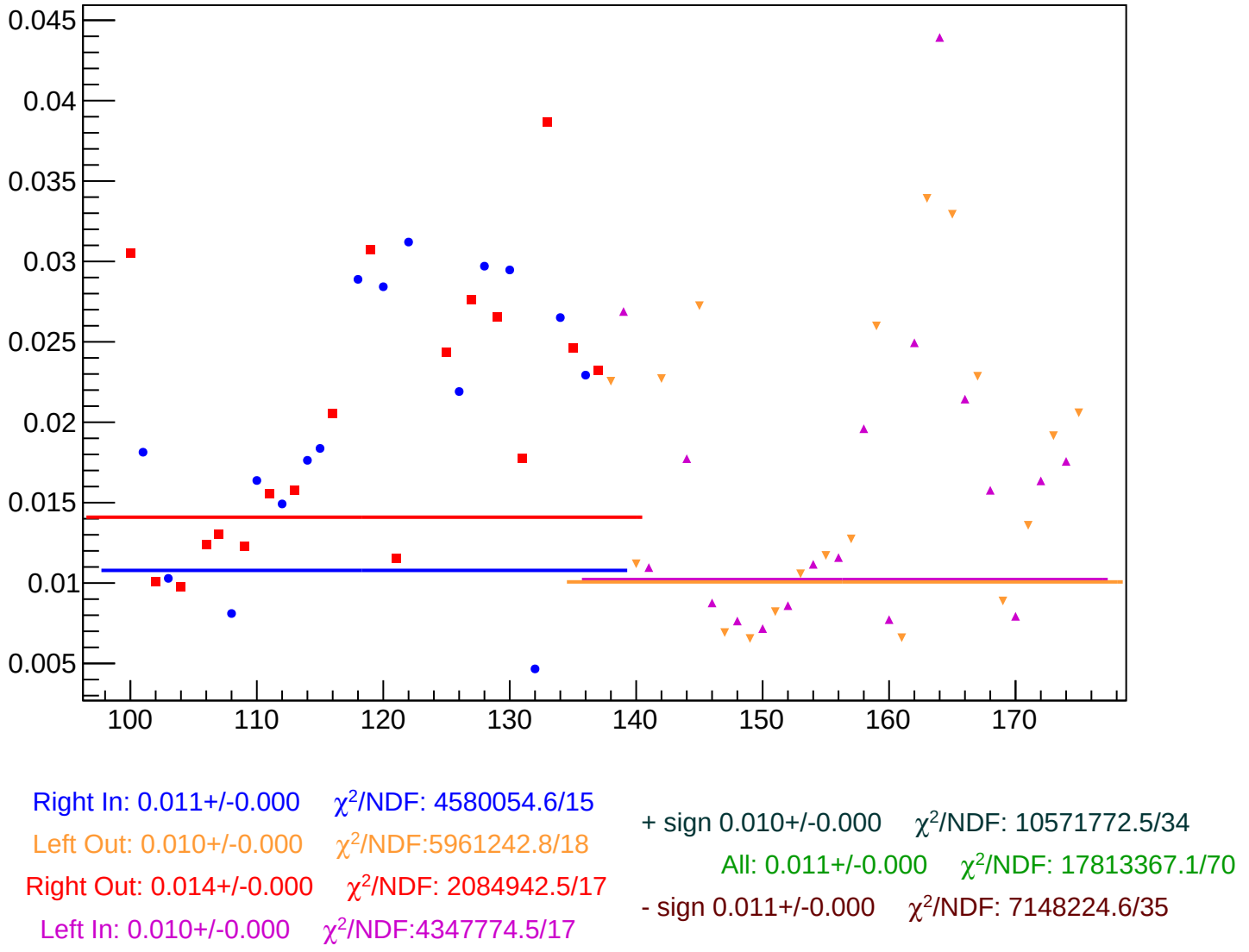
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:15.1/17

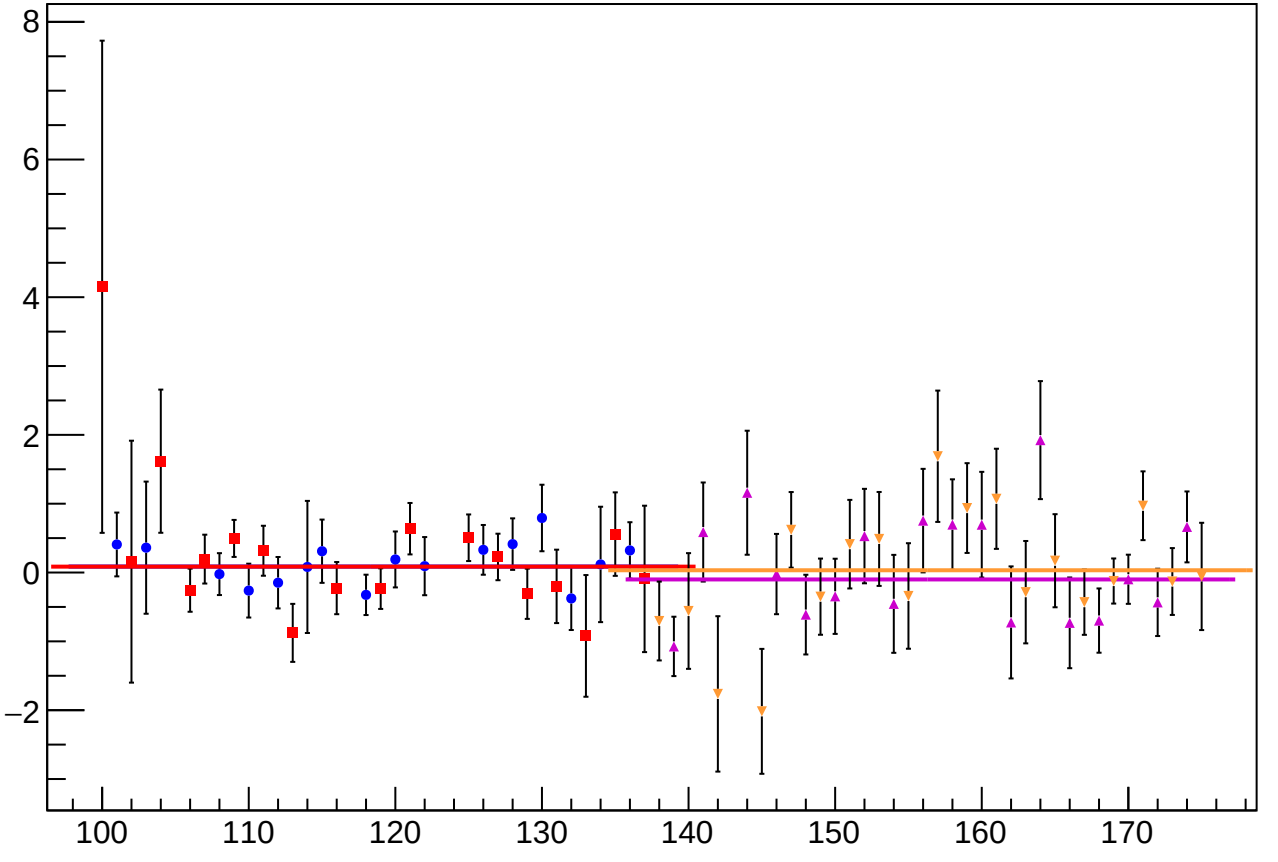
+ sign 0.000+/-0.000 χ^2/NDF: 51.1/34

All: 0.000+/-0.000 χ^2/NDF: 79.5/70

- sign 0.000+/-0.000 χ^2/NDF: 28.2/35


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:5961242.8/18
Right Out: 0.014+/-0.000 χ²/NDF: 2084942.5/17
Left In: 0.010+/-0.000 χ²/NDF:4347774.5/17
+ sign 0.010+/-0.000 χ²/NDF: 10571772.5/34
All: 0.011+/-0.000 χ²/NDF: 17813367.1/70
- sign 0.011+/-0.000 χ²/NDF: 7148224.6/35

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.033+/-0.138 χ^2/NDF:24.5/18

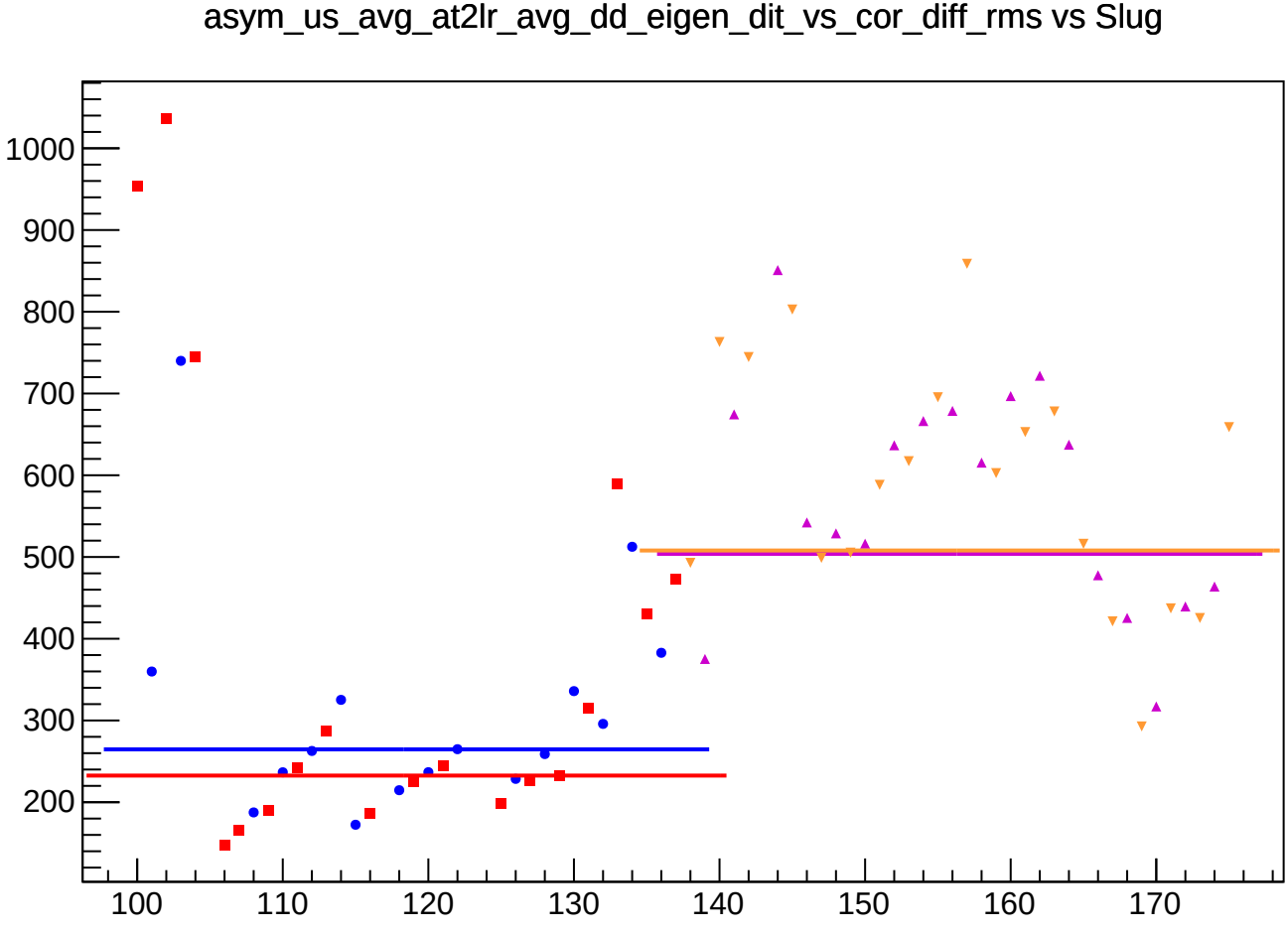
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.101+/-0.137 χ^2/NDF:25.3/17

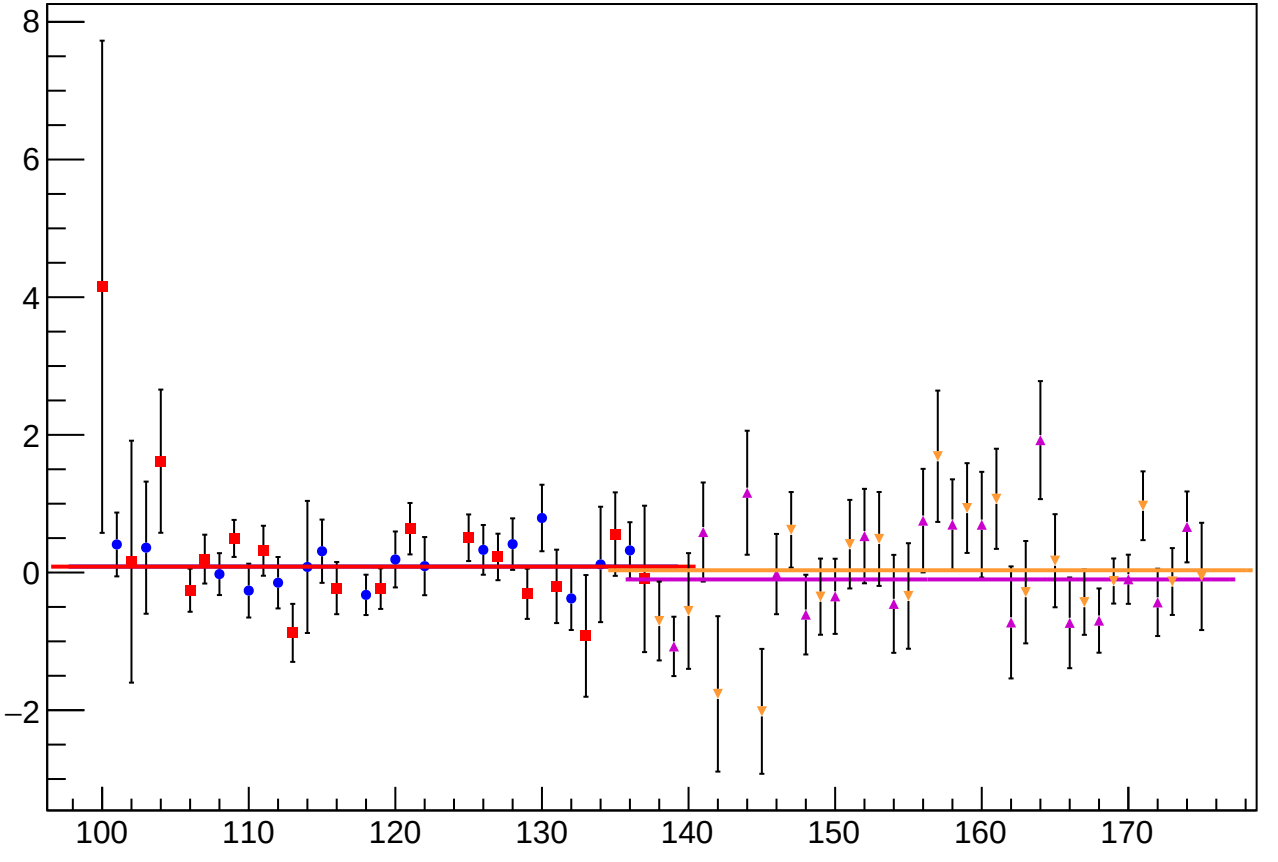
+ sign 0.067+/-0.084 χ^2/NDF: 33.4/34

All: 0.044+/-0.058 χ^2/NDF: 81.9/70

- sign 0.023+/-0.079 χ^2/NDF: 48.3/35


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 507.949+/-0.098 χ²/NDF:2286684.0/18
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 503.845+/-0.097 χ²/NDF:1916820.9/17
+ sign 353.717+/-0.059 χ²/NDF: 7494852.5/34
All: 337.840+/-0.041 χ²/NDF: 16789358.0/70
- sign 323.556+/-0.056 χ²/NDF: 9157684.4/35

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.033+/-0.138 χ^2/NDF:24.5/18

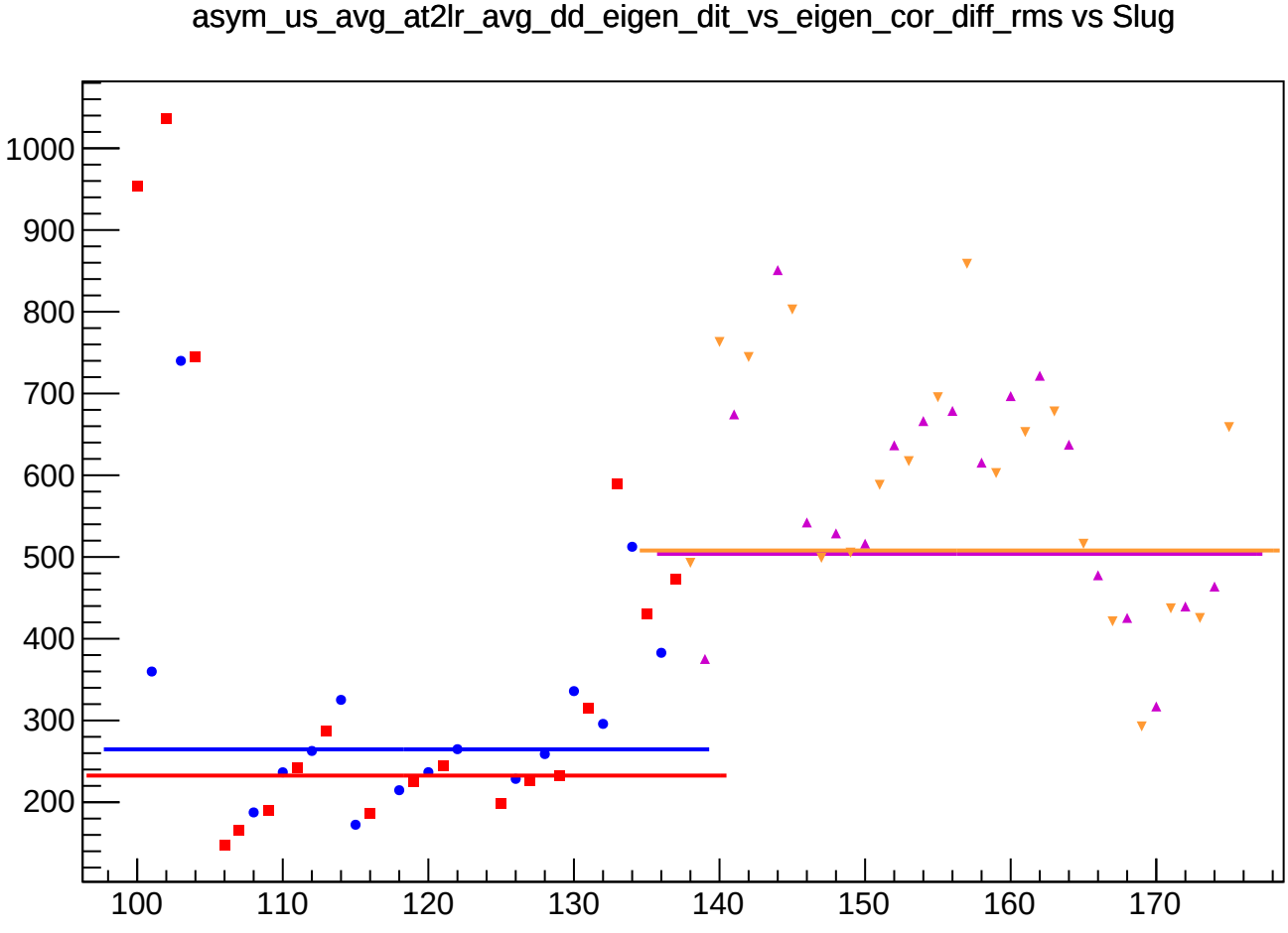
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

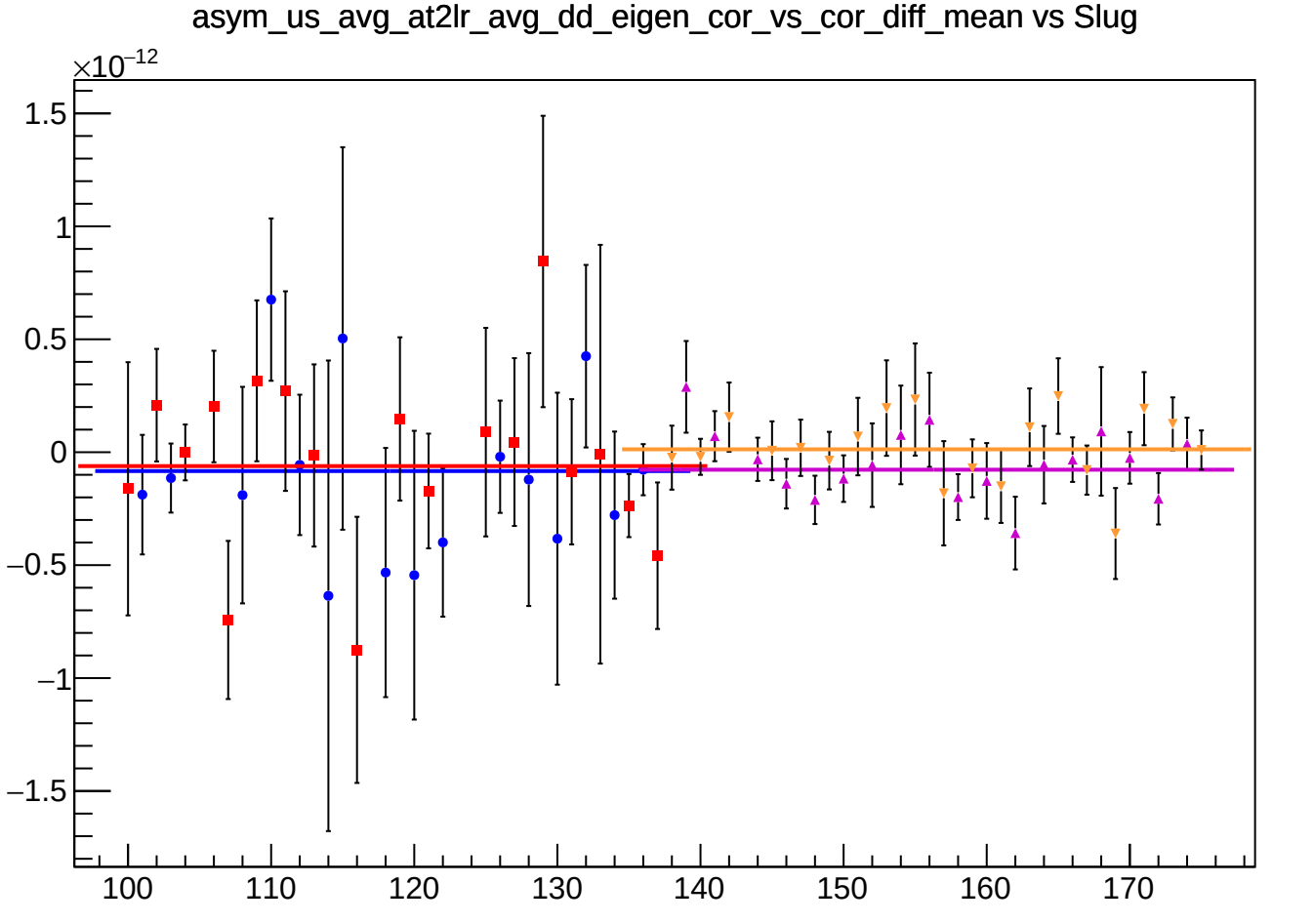
Left In: -0.101+/-0.137 χ^2/NDF:25.3/17

+ sign 0.067+/-0.084 χ^2/NDF: 33.4/34

All: 0.044+/-0.058 χ^2/NDF: 81.9/70

- sign 0.023+/-0.079 χ^2/NDF: 48.3/35


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 507.949+/-0.098 χ²/NDF:2286684.0/18
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 503.845+/-0.097 χ²/NDF:1916820.9/17
+ sign 353.717+/-0.059 χ²/NDF: 7494852.5/34
All: 337.840+/-0.041 χ²/NDF: 16789358.0/70
- sign 323.556+/-0.056 χ²/NDF: 9157684.4/35



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/18

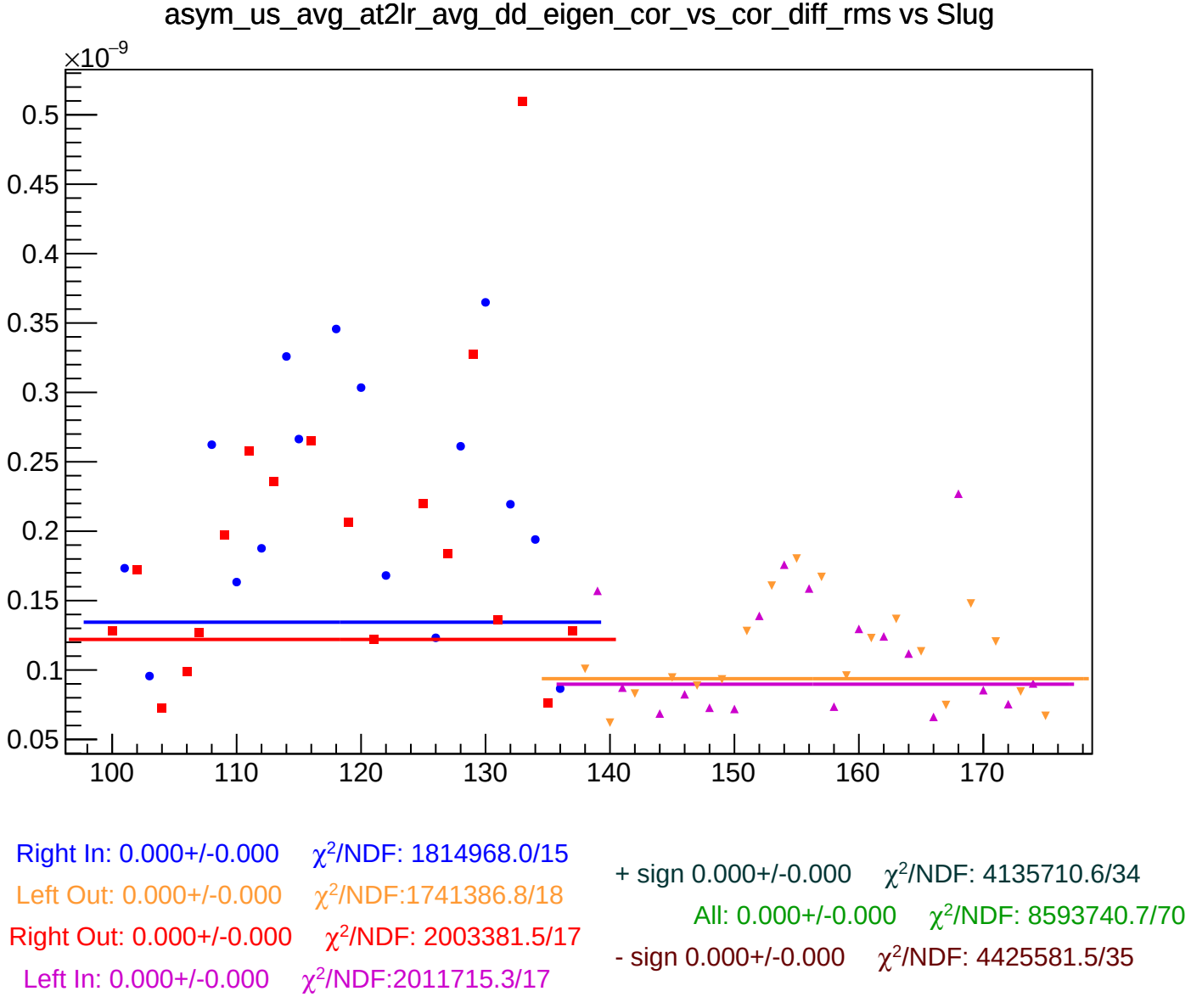
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:16.5/17

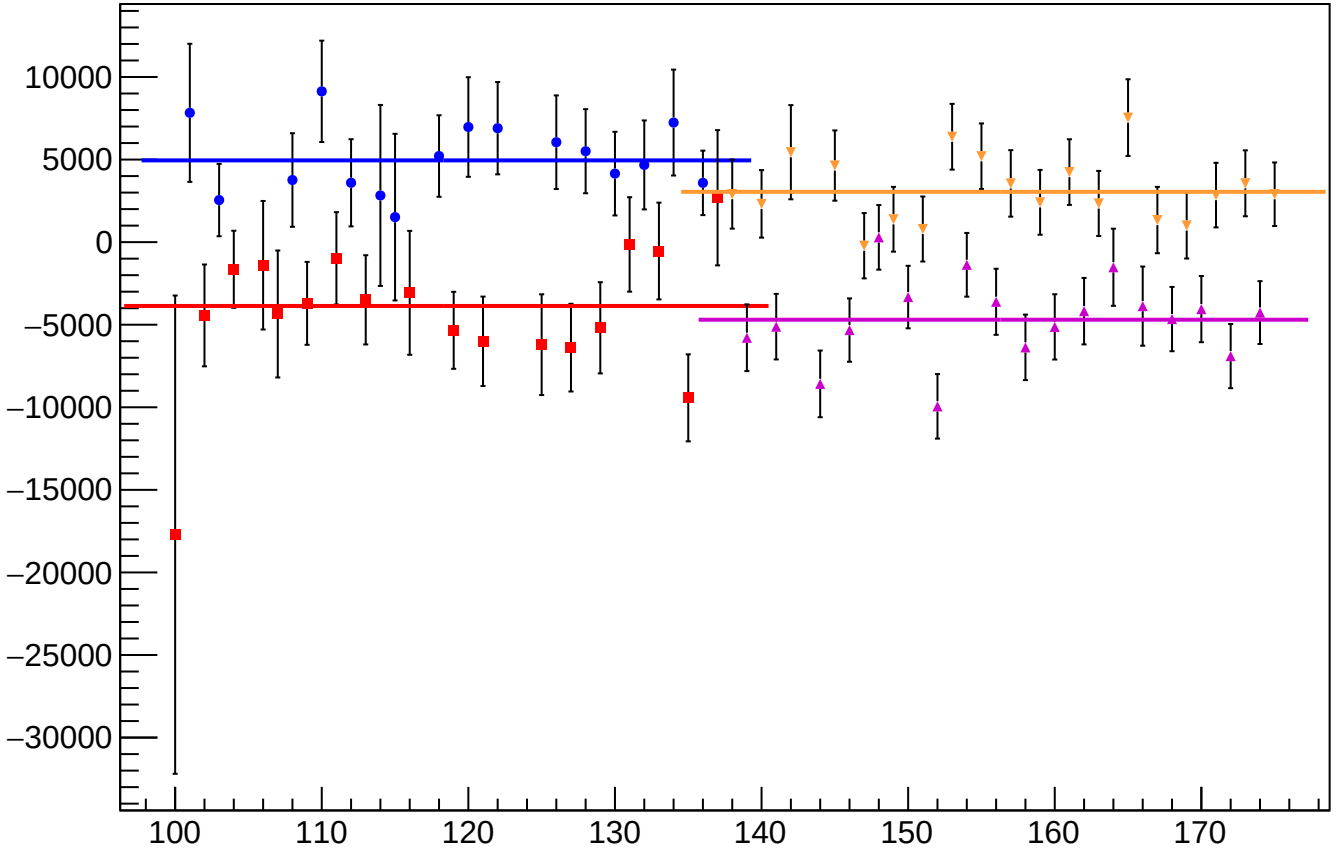
+ sign -0.000+/-0.000 χ^2/NDF: 25.0/34

All: -0.000+/-0.000 χ^2/NDF: 60.7/70

- sign -0.000+/-0.000 χ^2/NDF: 32.3/35


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1741386.8/18
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:2011715.3/17
+ sign 0.000+/-0.000 χ²/NDF: 4135710.6/34
All: 0.000+/-0.000 χ²/NDF: 8593740.7/70
- sign 0.000+/-0.000 χ²/NDF: 4425581.5/35

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3046.635+/-467.679 χ^2/NDF:16.4/18

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

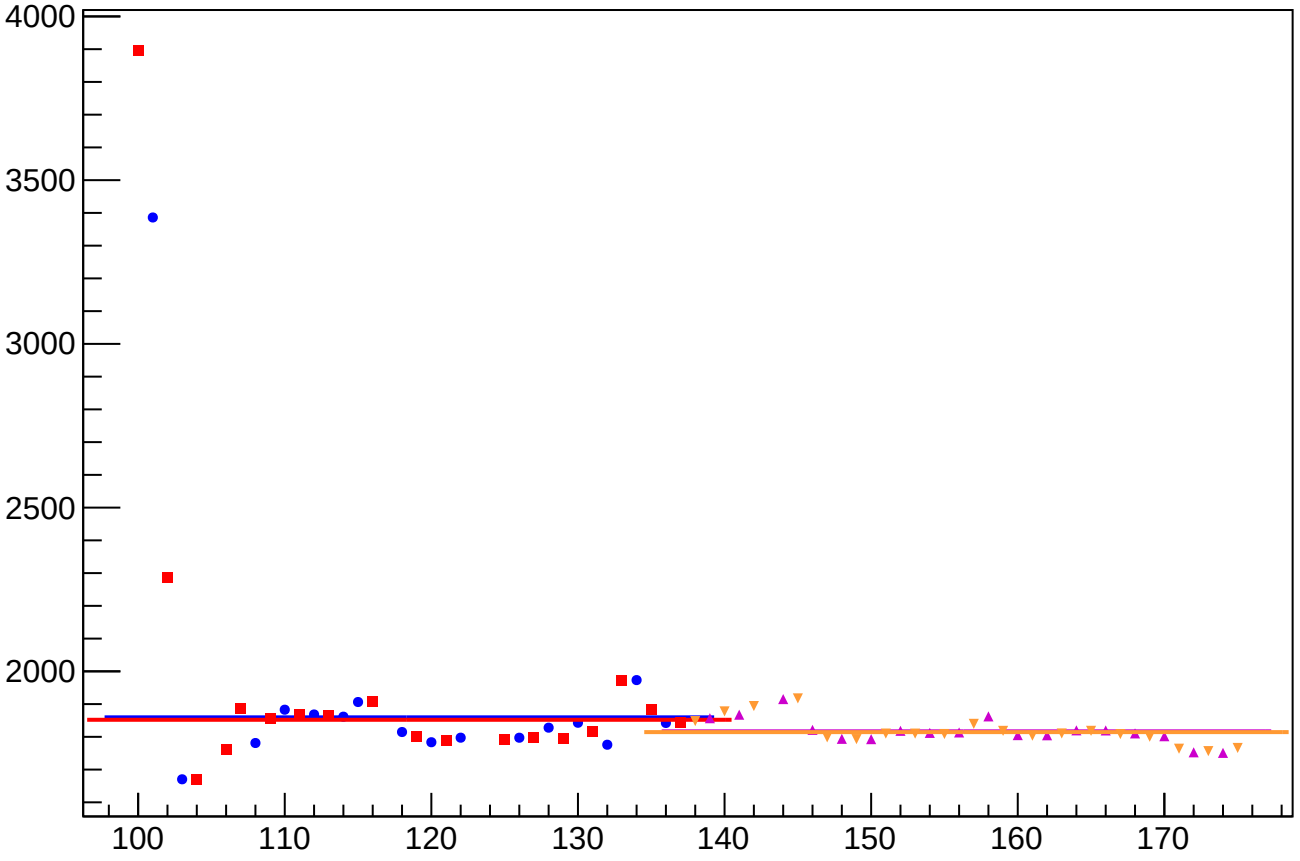
Left In: -4697.362+/-471.074 χ^2/NDF:25.9/17

+ sign 3635.380+/-388.690 χ^2/NDF: 28.3/34

All: -385.813+/-275.335 χ^2/NDF: 286.2/70

- sign -4435.787+/-390.079 χ^2/NDF: 43.0/35

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1814.437+/-0.331 χ^2/NDF:13898.8/18

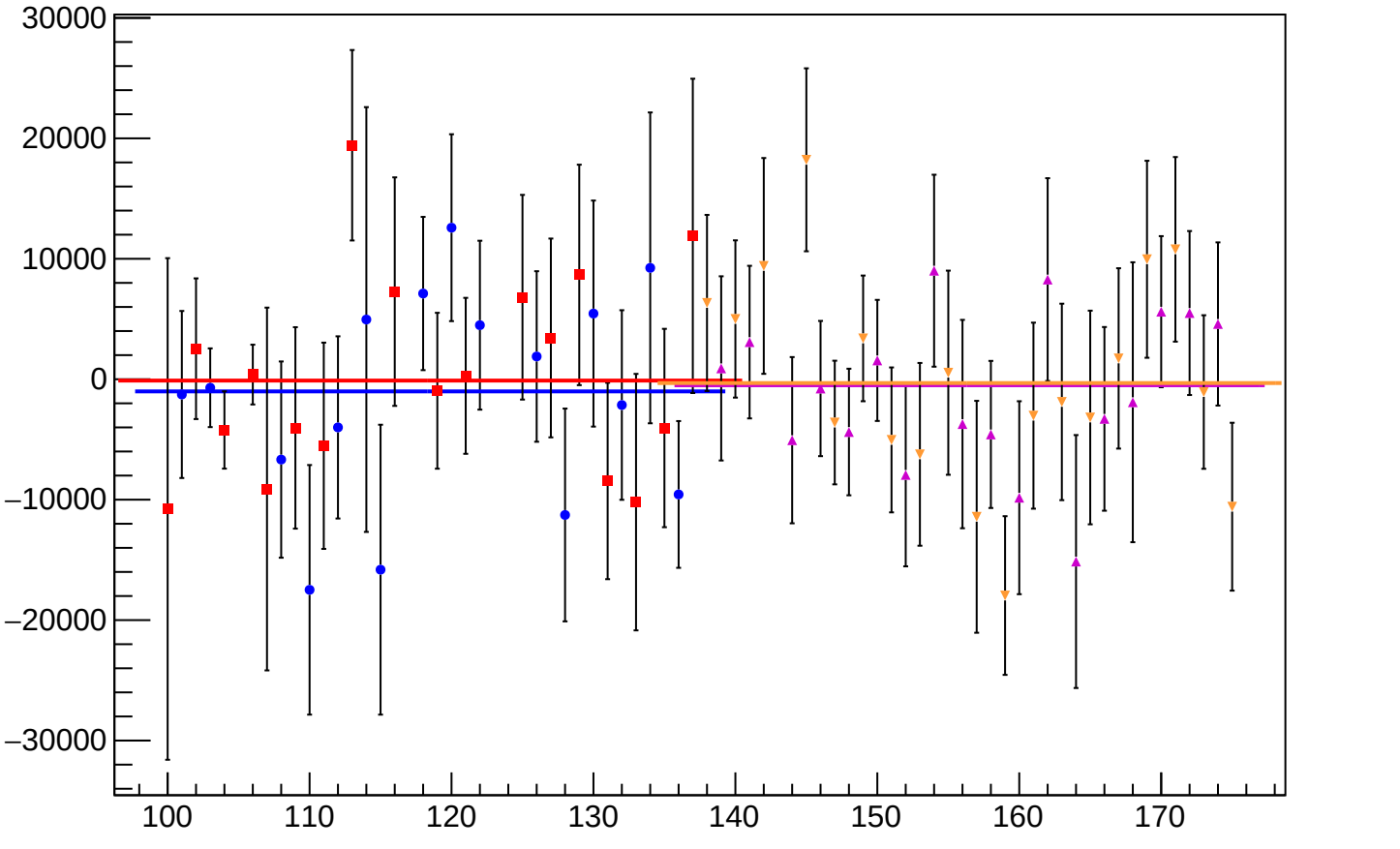
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1816.818+/-0.333 χ^2/NDF:13380.5/17

+ sign 1828.377+/-0.275 χ^2/NDF: 311978.3/34

All: 1828.160+/-0.195 χ^2/NDF: 431106.5/70

- sign 1827.943+/-0.276 χ^2/NDF: 119127.0/35



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -317.496+/-1624.545 χ^2/NDF:25.5/18

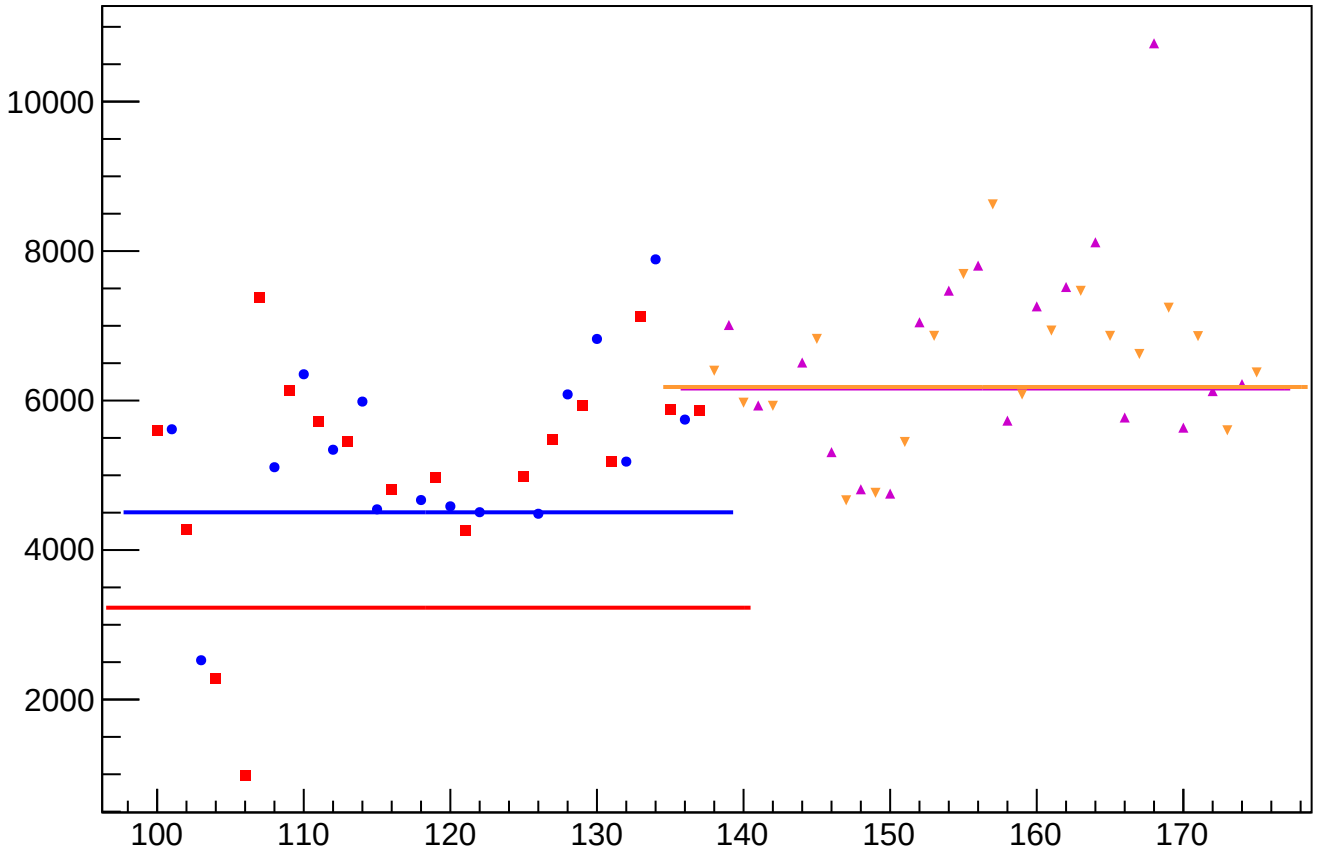
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -498.989+/-1630.869 χ^2/NDF:11.3/17

+ sign -635.393+/-1195.047 χ^2/NDF: 40.3/34

All: -440.085+/-800.785 χ^2/NDF: 66.3/70

- sign -280.922+/-1078.813 χ^2/NDF: 26.0/35



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6181.488+/-1.149 χ^2/NDF:735857.3/18

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

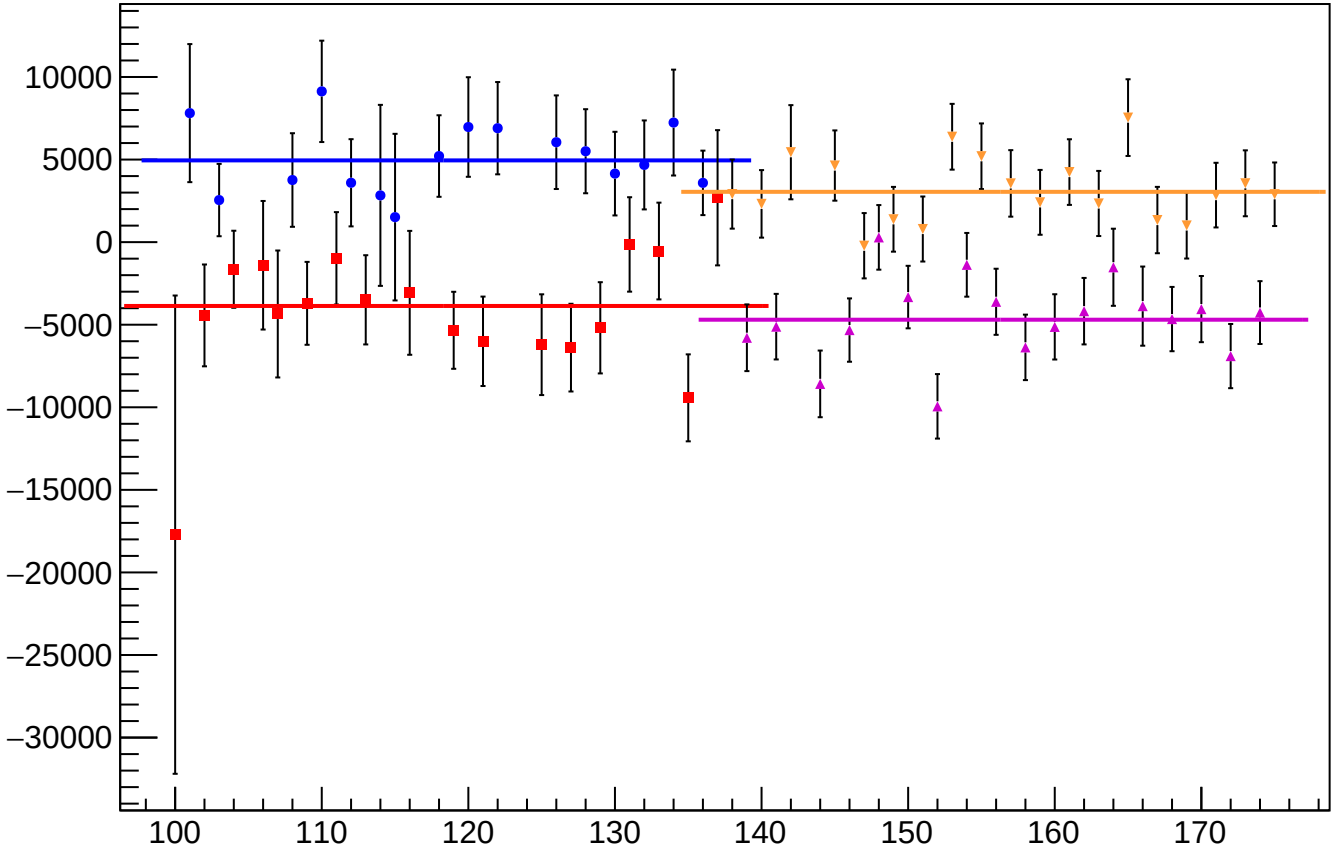
Left In: 6161.198+/-1.153 χ^2/NDF:1024247.8/17

\+ sign 5412.111+/-0.845 χ^2/NDF: 3034562.7/34

All: 4916.075+/-0.566 χ^2/NDF: 12277720.9/7

\- sign 4511.838+/-0.763 χ^2/NDF: 8617773.3/35

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3046.570+/-467.679 χ^2/NDF:16.4/18

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

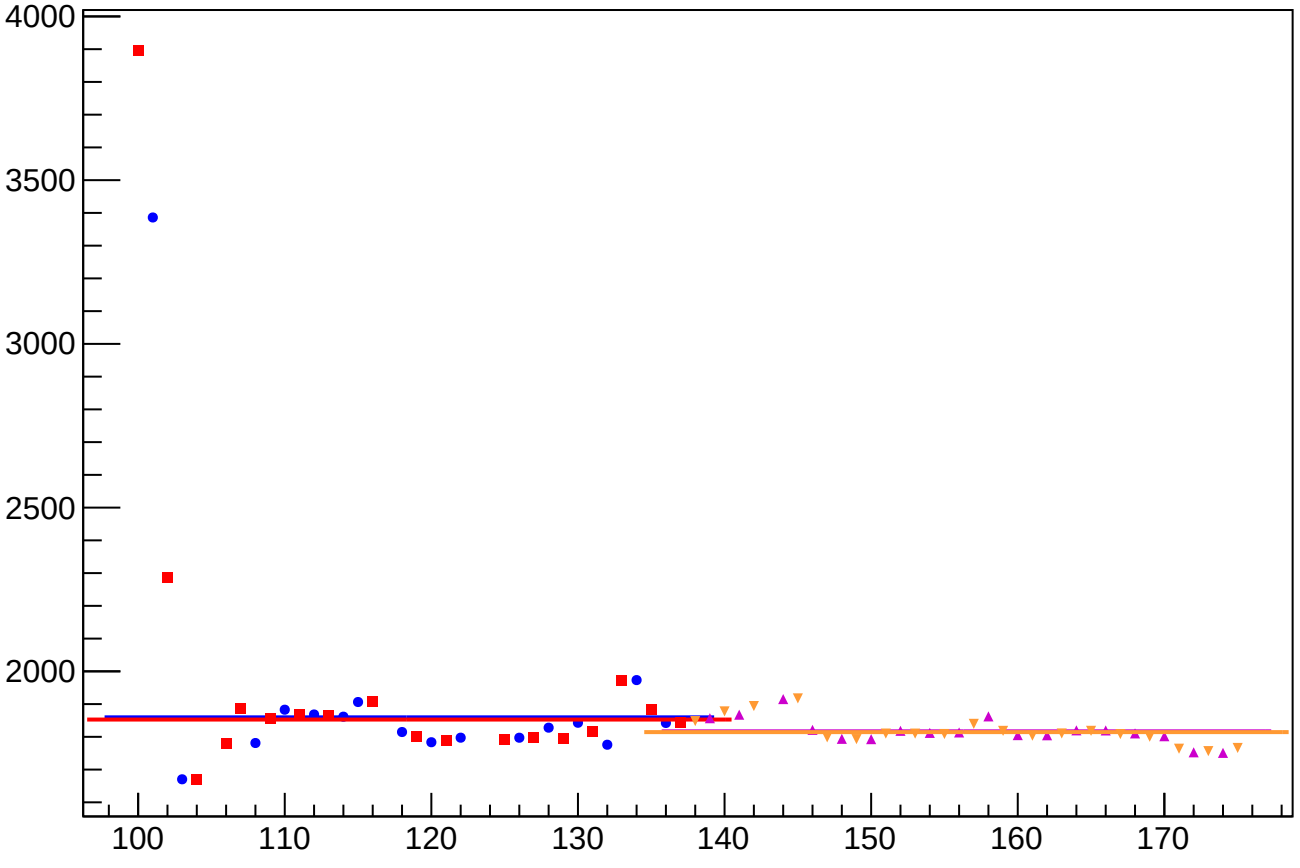
Left In: -4697.406+/-471.074 χ^2/NDF:25.9/17

+ sign 3635.185+/-388.690 χ^2/NDF: 28.3/34

All: -385.893+/-275.335 χ^2/NDF: 286.2/70

- sign -4435.749+/-390.079 χ^2/NDF: 43.0/35

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1814.437+/-0.331 χ^2/NDF:13898.8/18

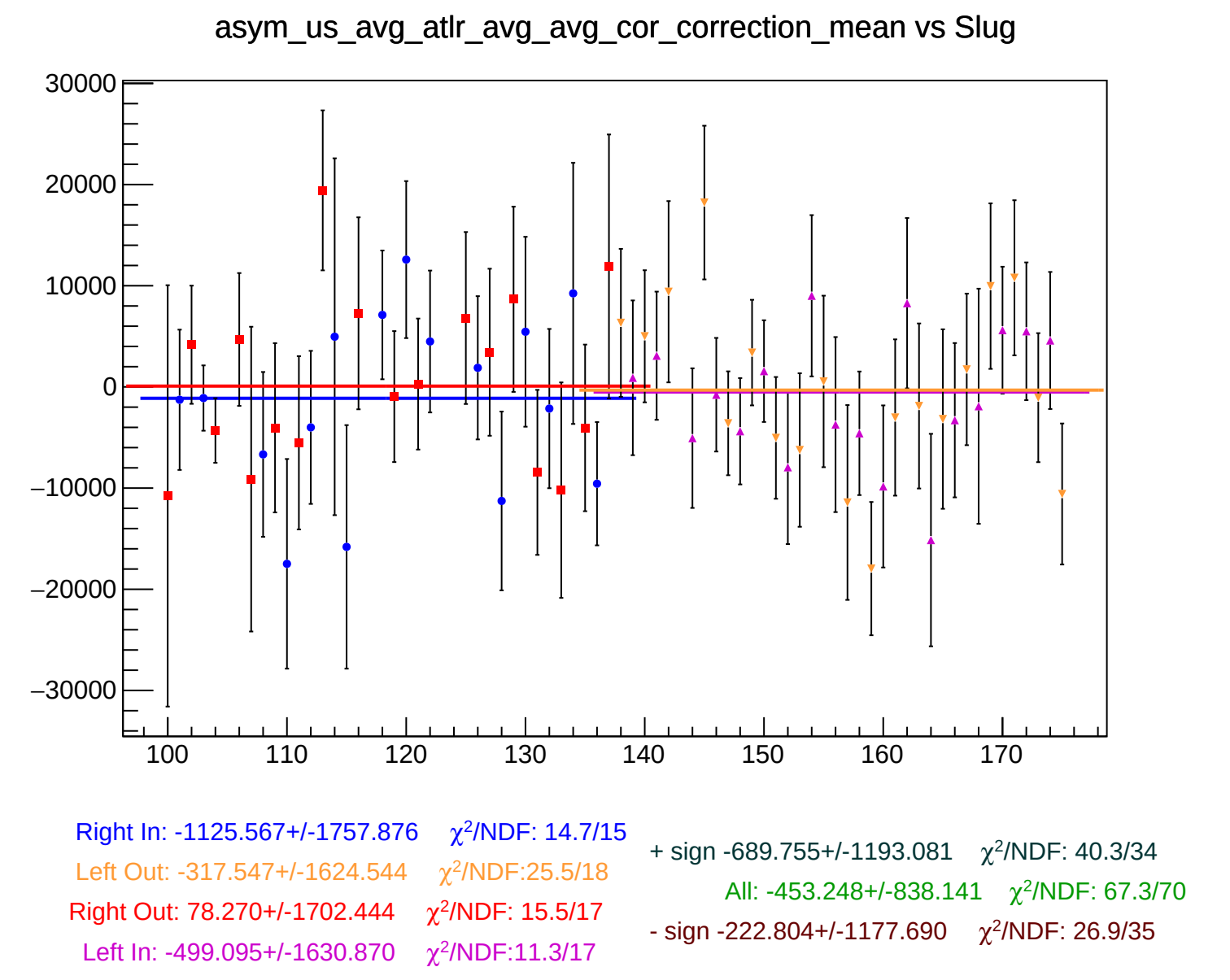
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1816.818+/-0.333 χ^2/NDF:13380.5/17

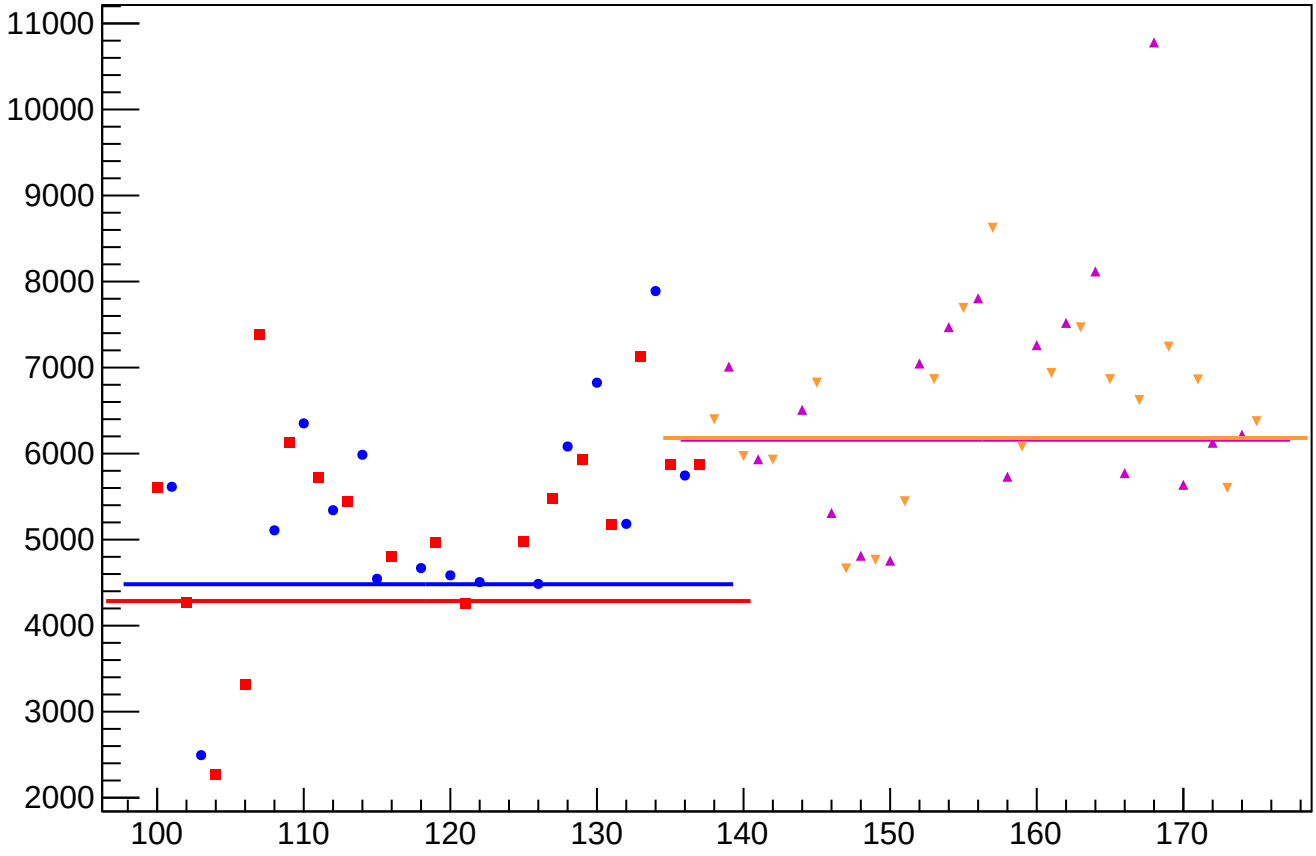
+ sign 1828.377+/-0.275 χ^2/NDF: 311980.1/34

All: 1828.269+/-0.195 χ^2/NDF: 430786.7/70

- sign 1828.161+/-0.276 χ^2/NDF: 118806.3/35


asym_us_avg_atlr_avg_avg_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: -317.547+/-1624.544 χ²/NDF:25.5/18
Right Out: 78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: -499.095+/-1630.870 χ²/NDF:11.3/17
+ sign -689.755+/-1193.081 χ²/NDF: 40.3/34
All: -453.248+/-838.141 χ²/NDF: 67.3/70
- sign -222.804+/-1177.690 χ²/NDF: 26.9/35

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6181.483+/-1.149 χ^2/NDF:735863.1/18

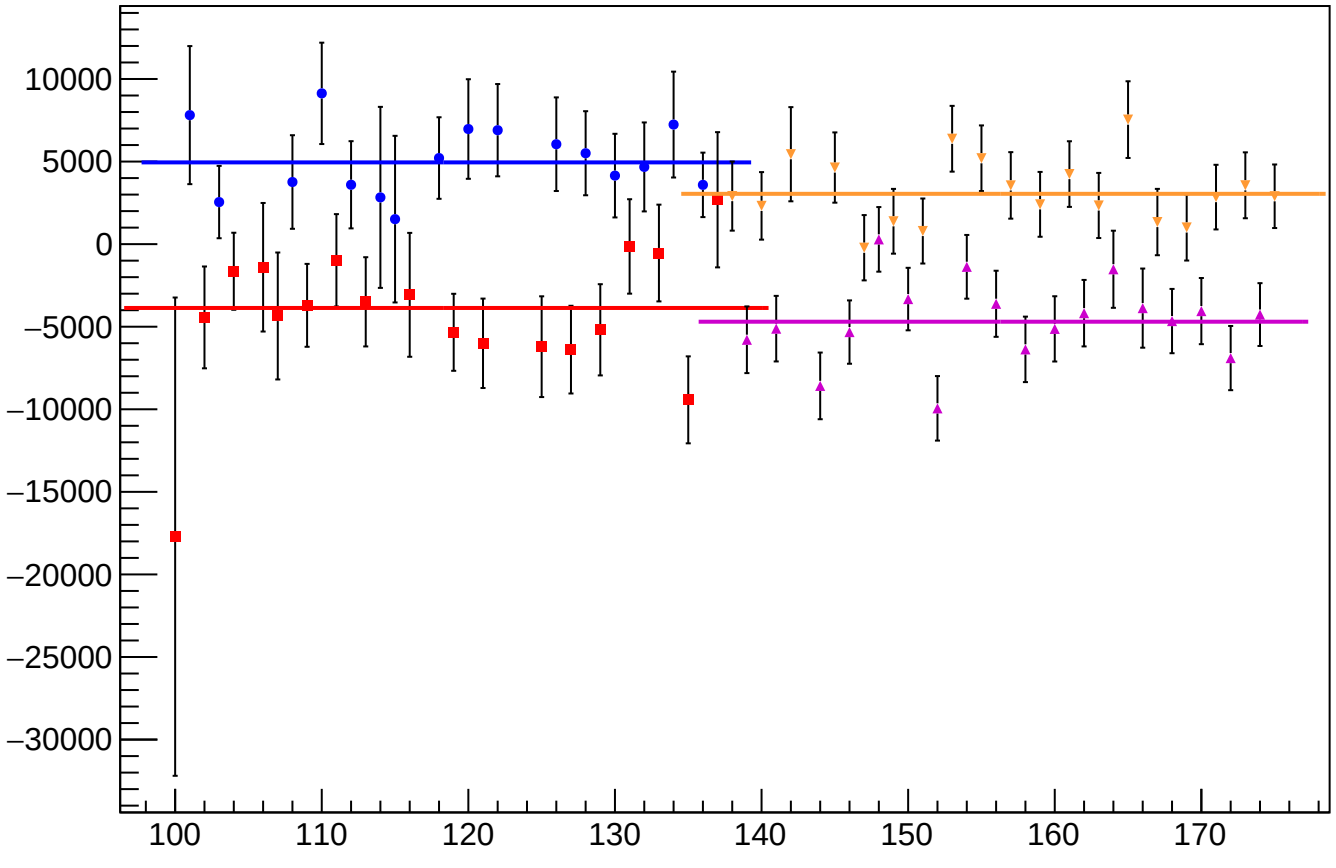
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6161.199+/-1.153 χ^2/NDF:1024256.5/17

+ sign 5398.408+/-0.844 χ^2/NDF: 3106931.4/34

All: 5330.284+/-0.593 χ^2/NDF: 6959070.8/70

- sign 5263.905+/-0.833 χ^2/NDF: 3839265.1/35



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3046.570+/-467.679 χ^2/NDF:16.4/18

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

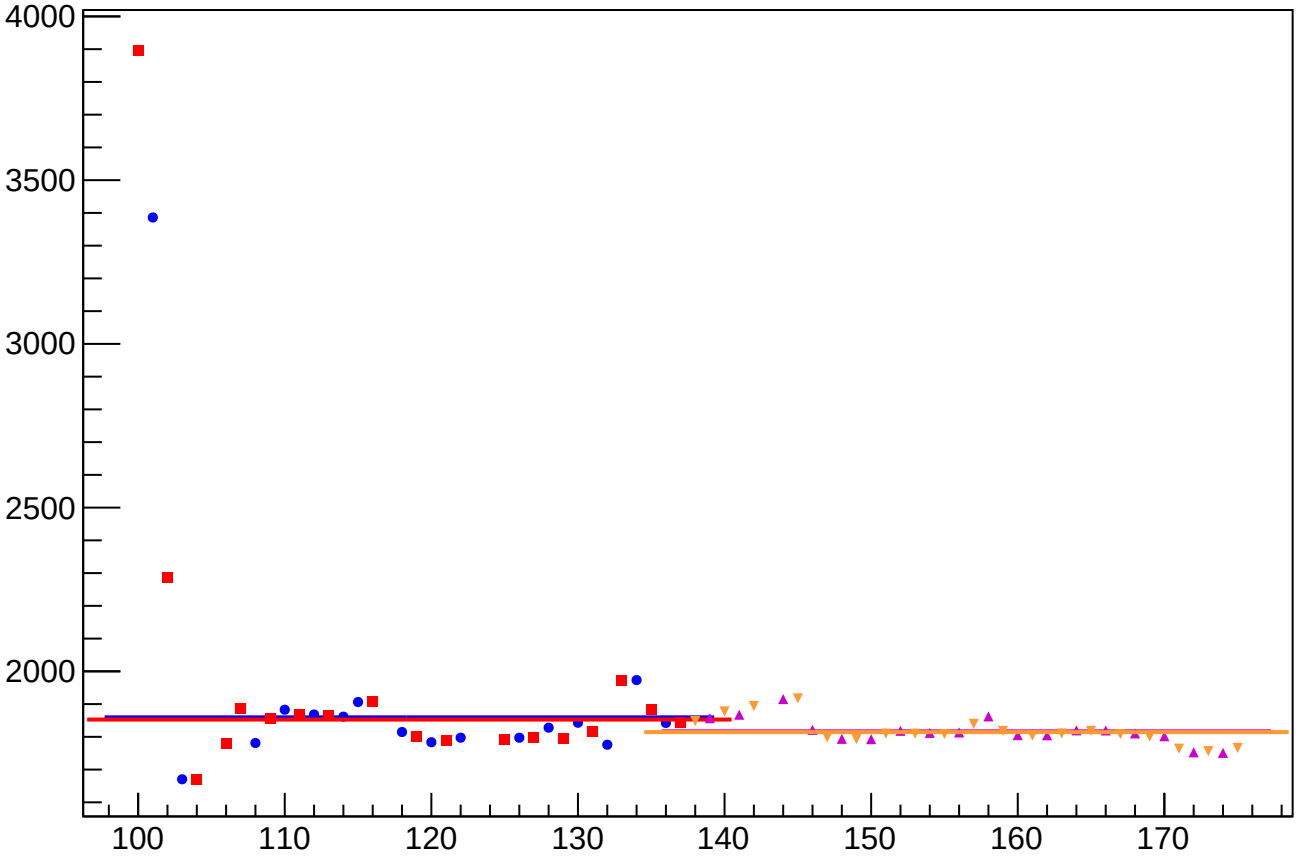
Left In: -4697.406+/-471.074 χ^2/NDF:25.9/17

+ sign 3635.185+/-388.690 χ^2/NDF: 28.3/34

All: -385.893+/-275.335 χ^2/NDF: 286.2/70

- sign -4435.749+/-390.079 χ^2/NDF: 43.0/35

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: 1814.437+/-0.331 χ^2/NDF:13898.8/18

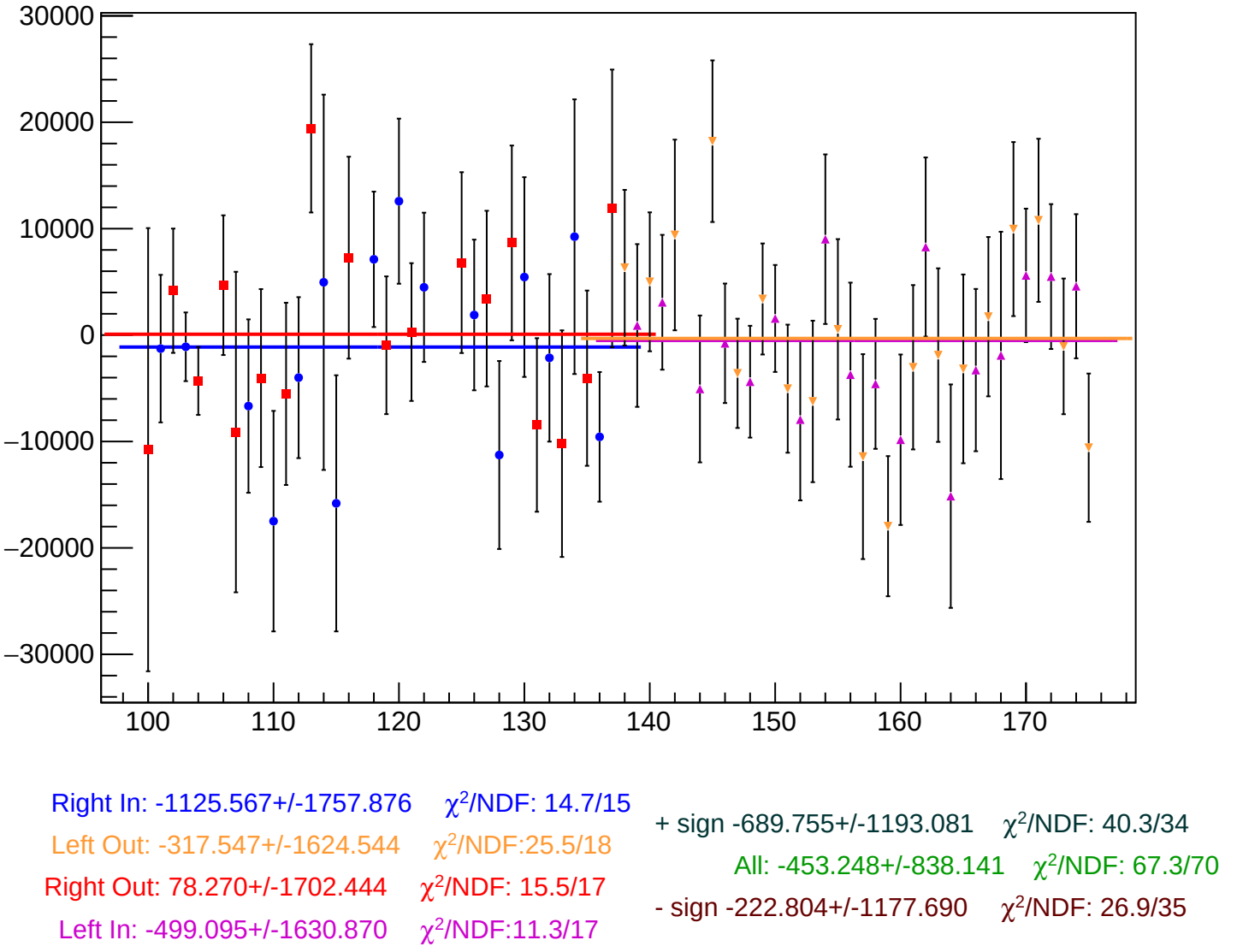
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

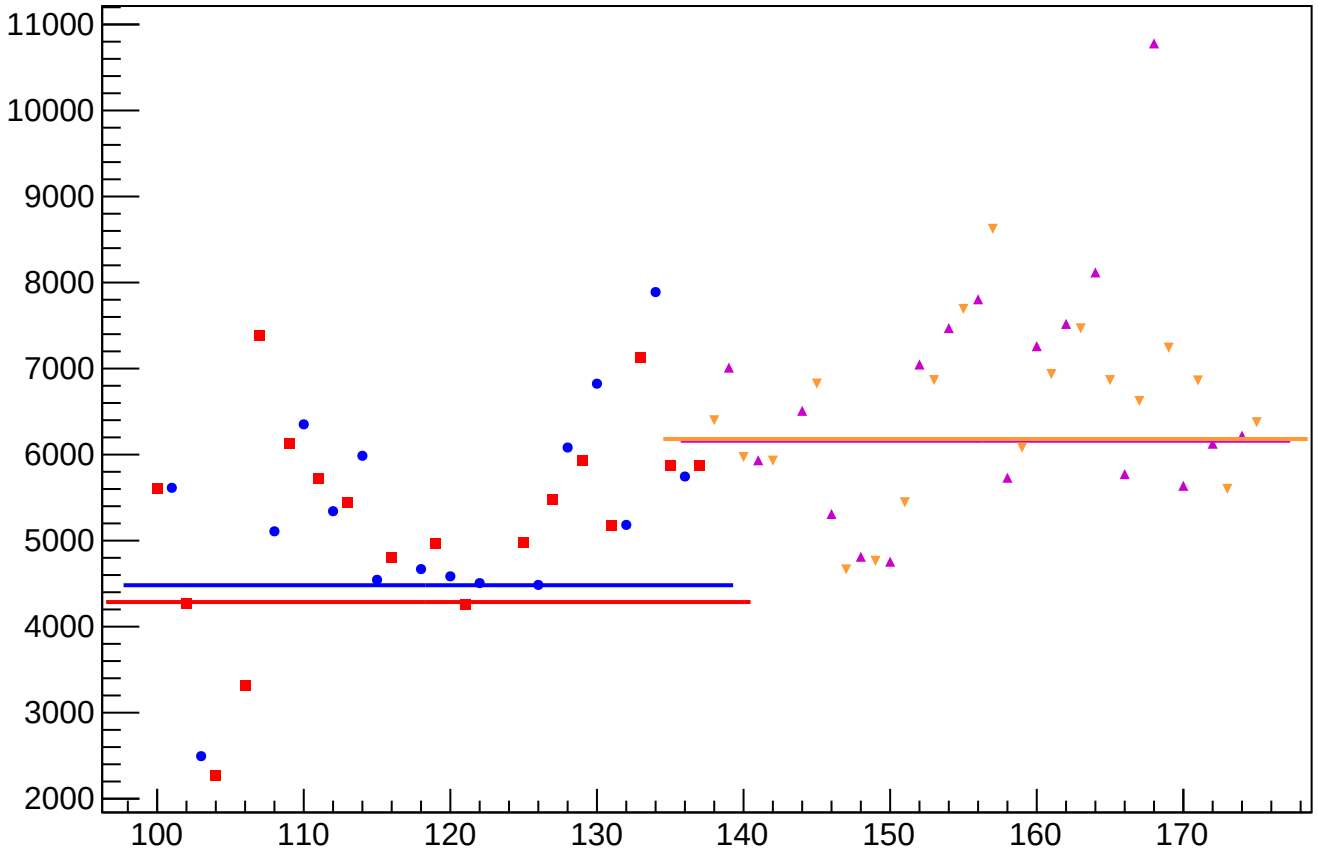
Left In: 1816.818+/-0.333 χ^2/NDF:13380.5/17

\+ sign 1828.377+/-0.275 χ^2/NDF: 311980.1/34

All: 1828.269+/-0.195 χ^2/NDF: 430786.7/70

\- sign 1828.161+/-0.276 χ^2/NDF: 118806.3/35


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: -317.547+/-1624.544 χ²/NDF:25.5/18
Right Out: 78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: -499.095+/-1630.870 χ²/NDF:11.3/17
+ sign -689.755+/-1193.081 χ²/NDF: 40.3/34
All: -453.248+/-838.141 χ²/NDF: 67.3/70
- sign -222.804+/-1177.690 χ²/NDF: 26.9/35



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6181.483+/-1.149 χ^2/NDF:735863.1/18

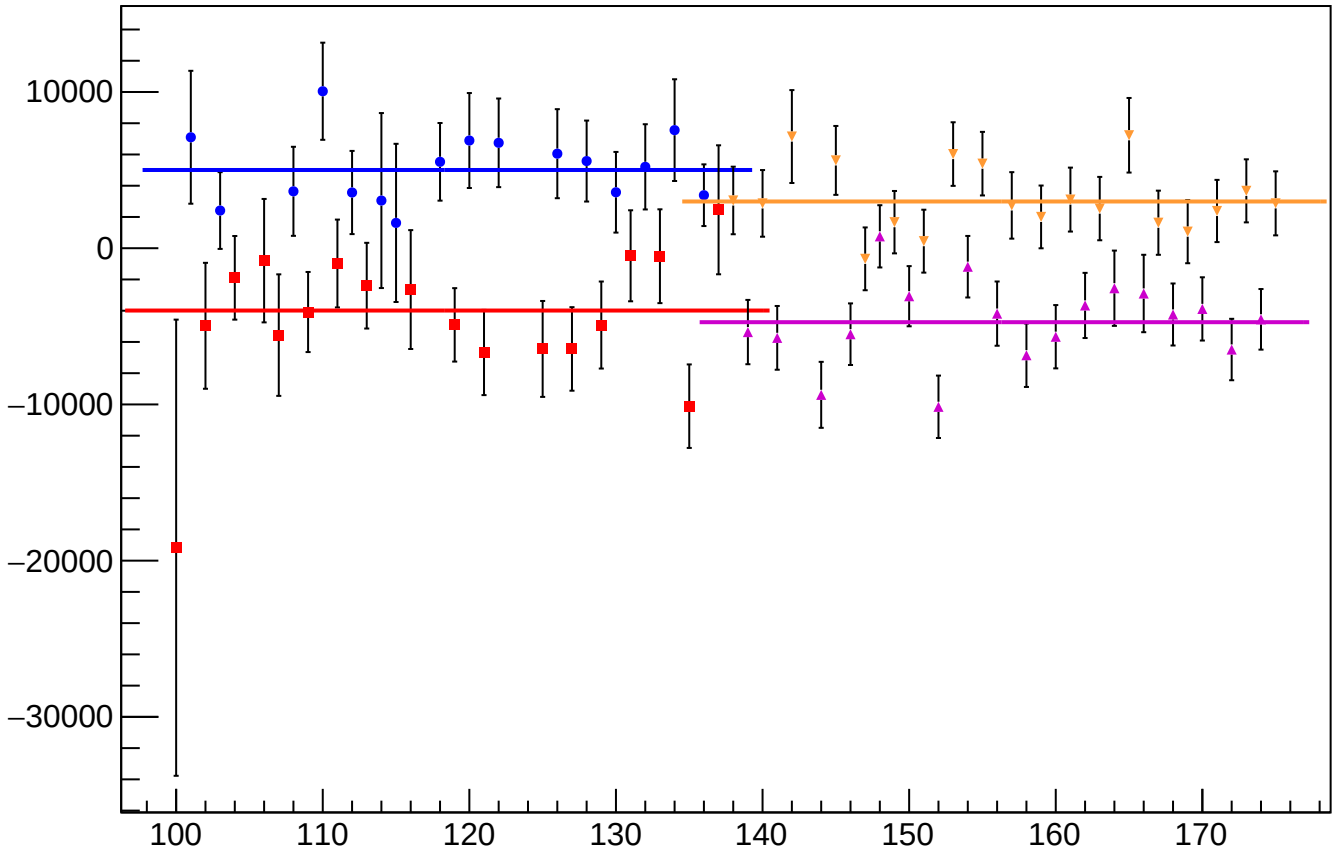
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6161.199+/-1.153 χ^2/NDF:1024256.5/17

+ sign 5398.408+/-0.844 χ^2/NDF: 3106931.4/34

All: 5330.284+/-0.593 χ^2/NDF: 6959070.8/70

- sign 5263.905+/-0.833 χ^2/NDF: 3839265.1/35



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2991.549+/-480.937 χ^2/NDF:17.4/18

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

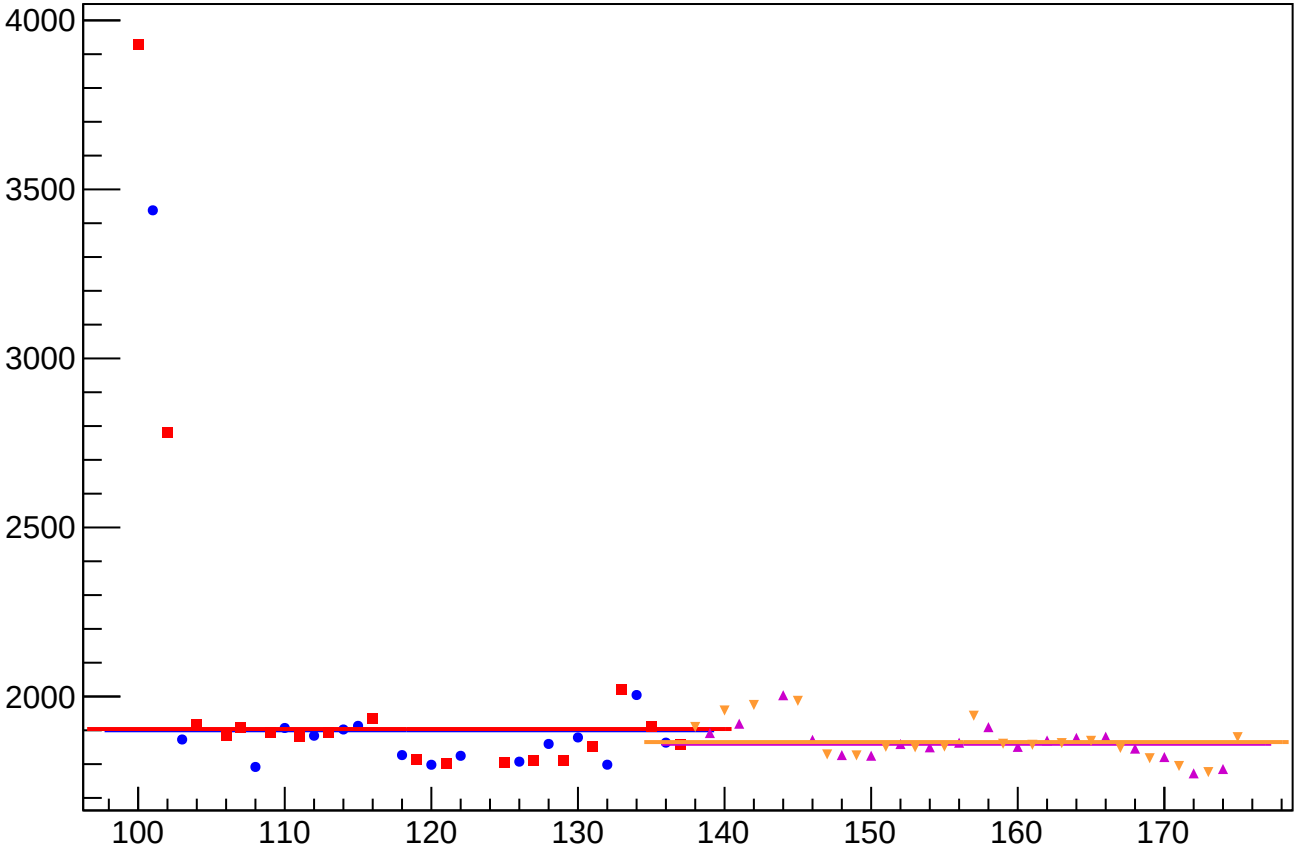
Left In: -4735.132+/-482.417 χ^2/NDF:28.3/17

+ sign 3620.607+/-398.897 χ^2/NDF: 30.6/34

All: -424.134+/-282.665 χ^2/NDF: 283.5/70

- sign -4503.580+/-400.605 χ^2/NDF: 46.4/35

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1865.237+/-0.340 χ^2/NDF:25767.9/18

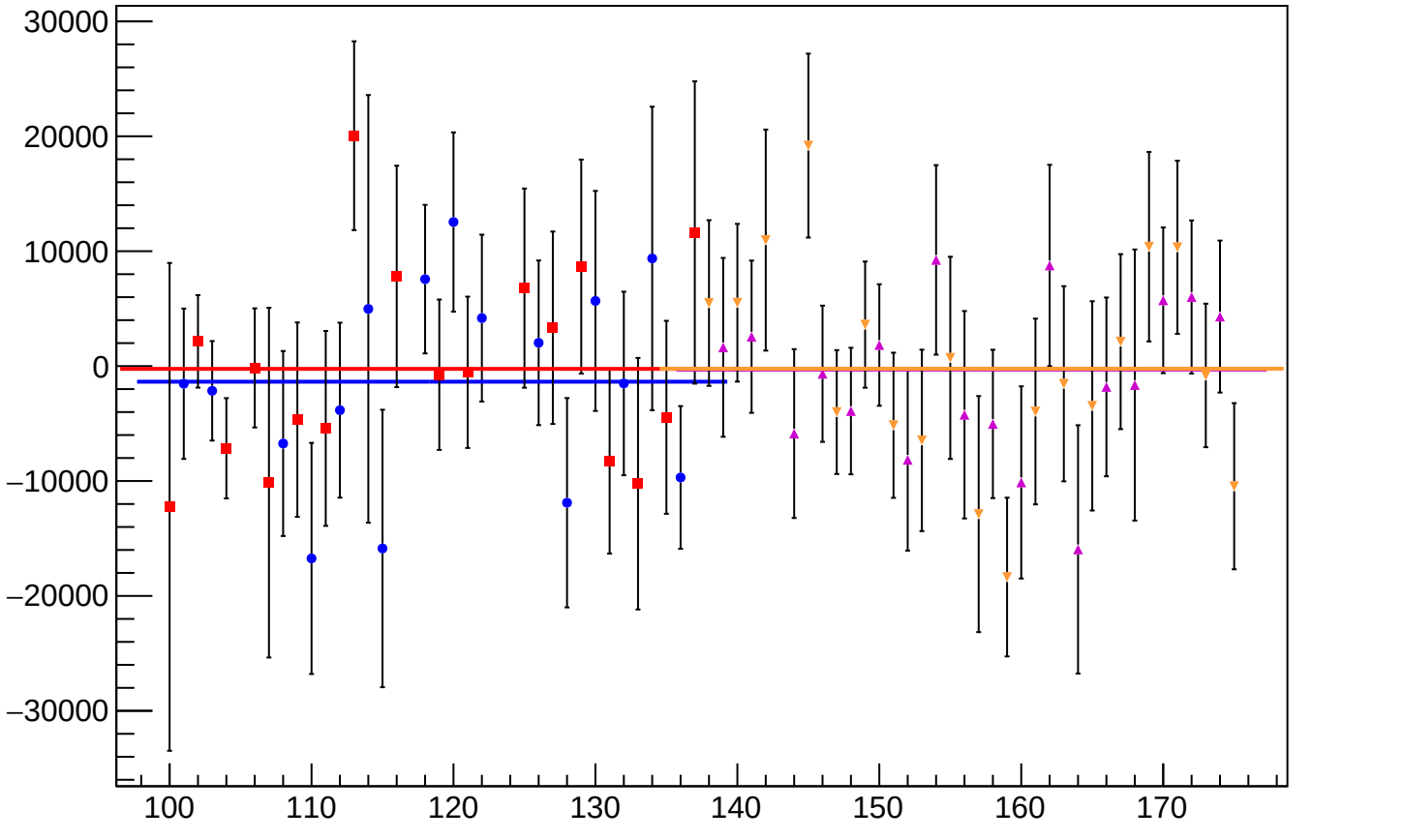
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1860.137+/-0.341 χ^2/NDF:22063.3/17

\+ sign 1876.120+/-0.282 χ^2/NDF: 307498.0/34

All: 1874.924+/-0.200 χ^2/NDF: 484813.0/70

\- sign 1873.719+/-0.283 χ^2/NDF: 177278.8/35



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -226.438+/-1679.389 χ^2/NDF:25.3/18

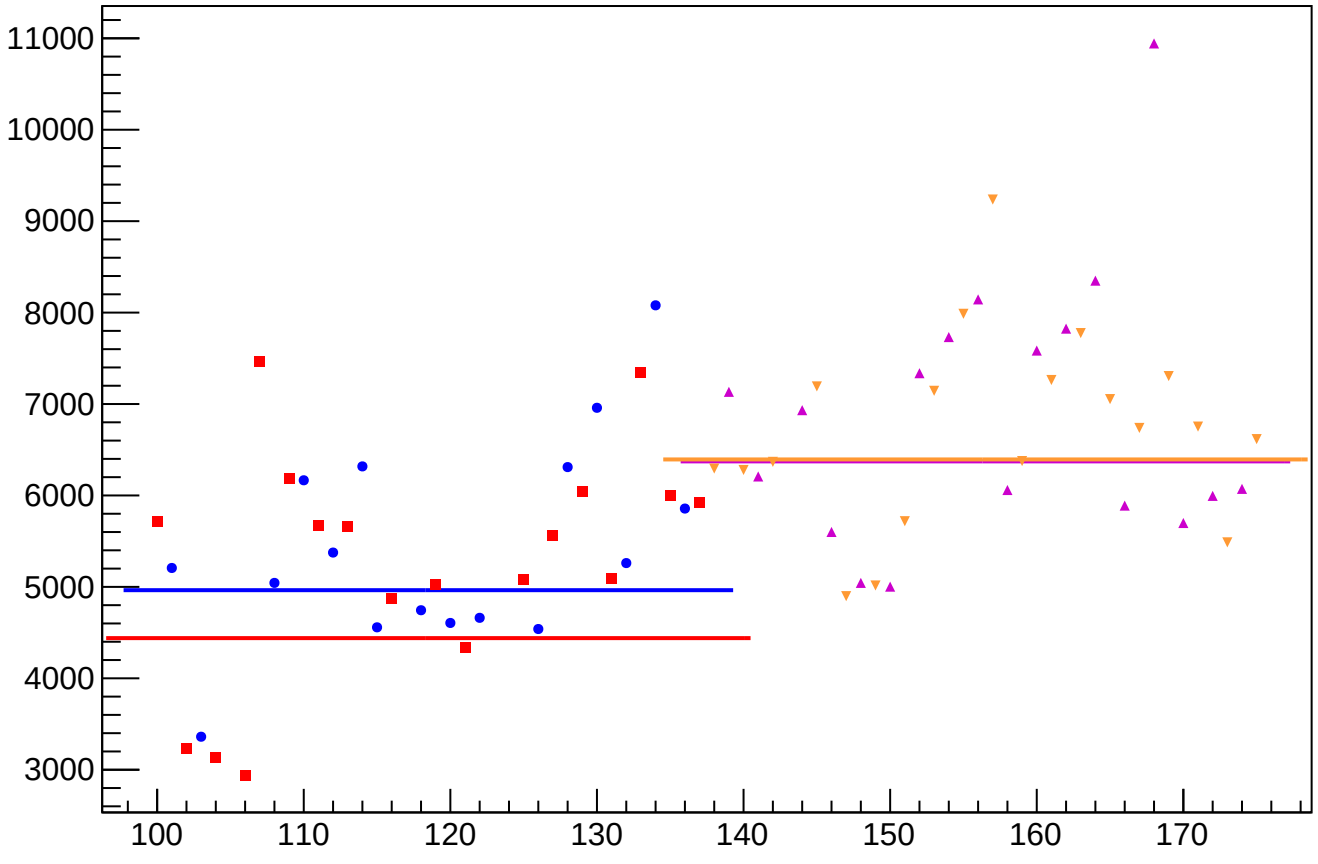
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -299.889+/-1685.693 χ^2/NDF:11.4/17

+ sign -723.309+/-1257.143 χ^2/NDF: 40.2/34

All: -486.897+/-868.554 χ^2/NDF: 67.4/70

- sign -270.988+/-1201.393 χ^2/NDF: 27.1/35



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6393.881+/-1.188 χ^2/NDF:724360.9/18

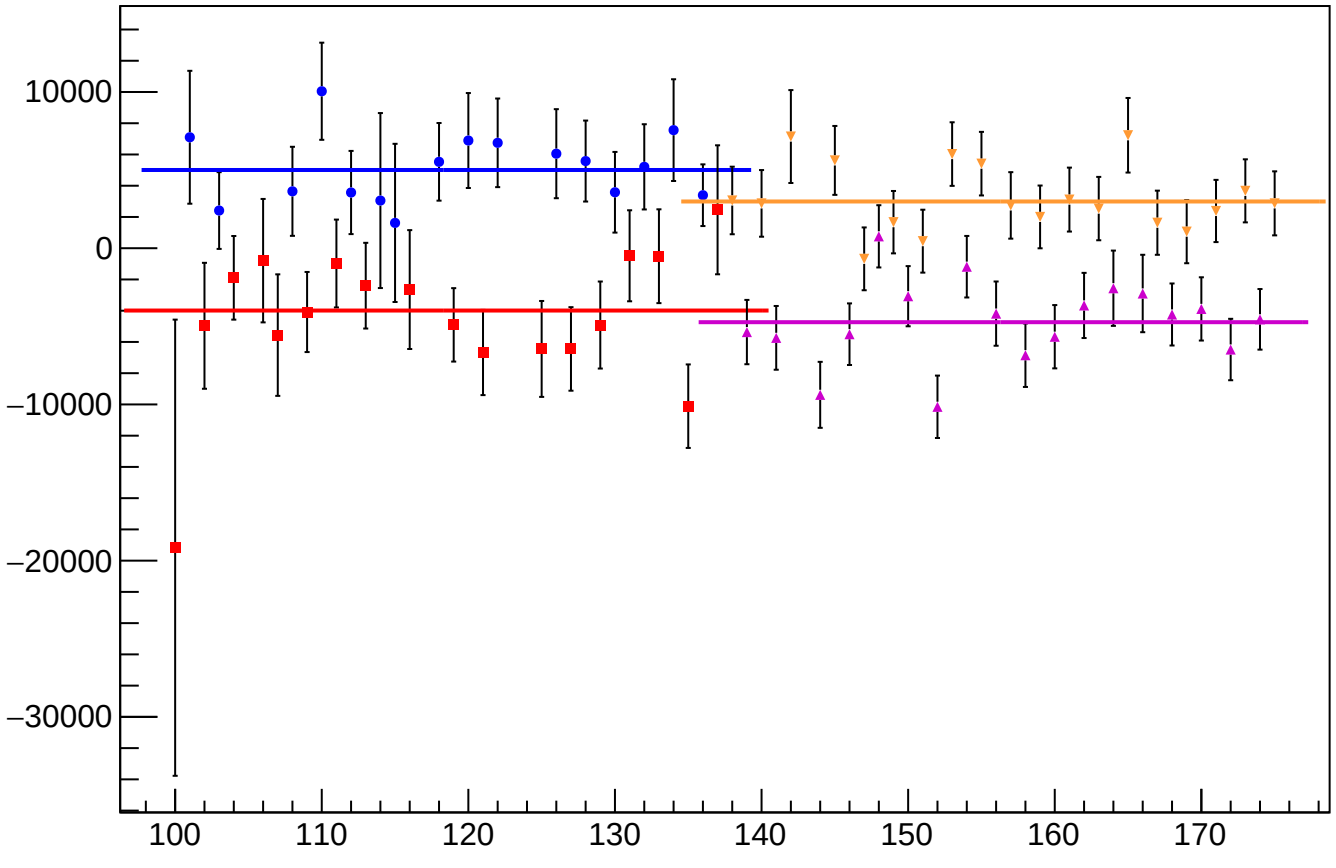
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6372.673+/-1.192 χ^2/NDF:987643.5/17

+ sign 5765.247+/-0.889 χ^2/NDF: 1989157.6/34

All: 5585.595+/-0.614 χ^2/NDF: 5507512.7/70

- sign 5421.524+/-0.850 χ^2/NDF: 3440210.2/35



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2991.542+/-480.937 χ^2/NDF:17.4/18

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

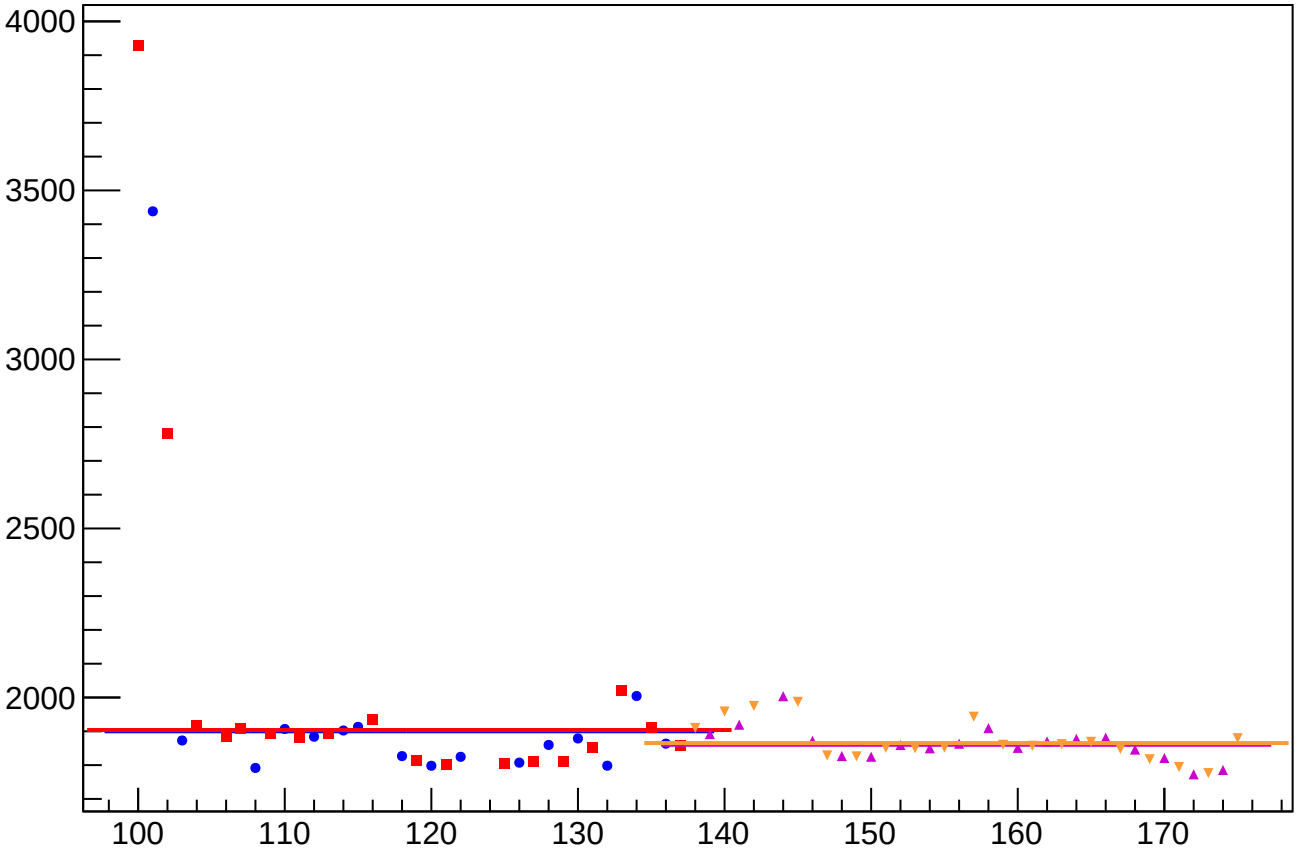
Left In: -4735.134+/-482.417 χ^2/NDF:28.3/17

+ sign 3620.602+/-398.897 χ^2/NDF: 30.6/34

All: -424.137+/-282.665 χ^2/NDF: 283.5/70

- sign -4503.581+/-400.605 χ^2/NDF: 46.4/35

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1865.238+/-0.340 χ^2/NDF:25768.7/18

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

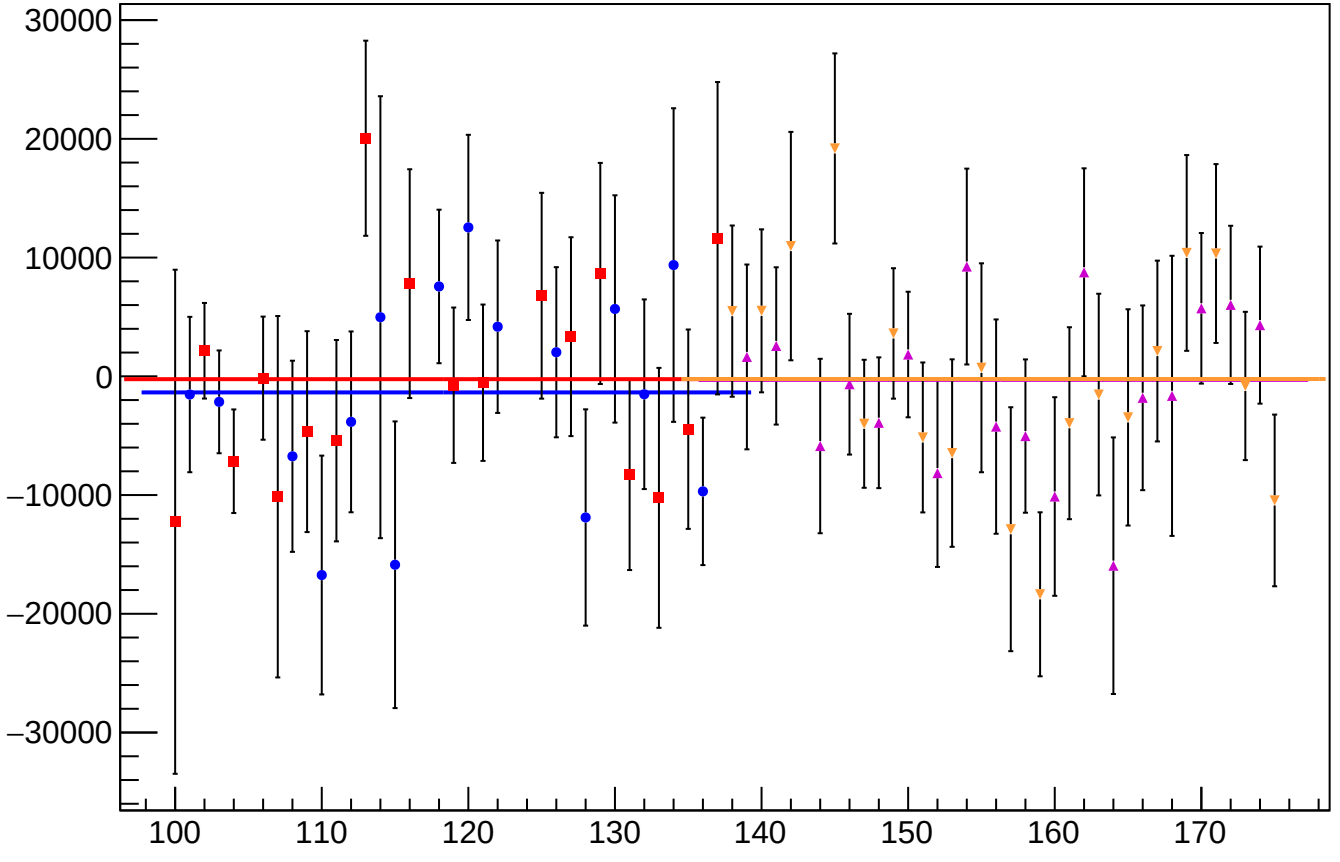
Left In: 1860.138+/-0.341 χ^2/NDF:22064.0/17

+ sign 1876.121+/-0.282 χ^2/NDF: 307498.7/34

All: 1874.925+/-0.200 χ^2/NDF: 484813.2/70

- sign 1873.720+/-0.283 χ^2/NDF: 177278.4/35

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -226.444+/-1679.392 χ^2/NDF:25.3/18

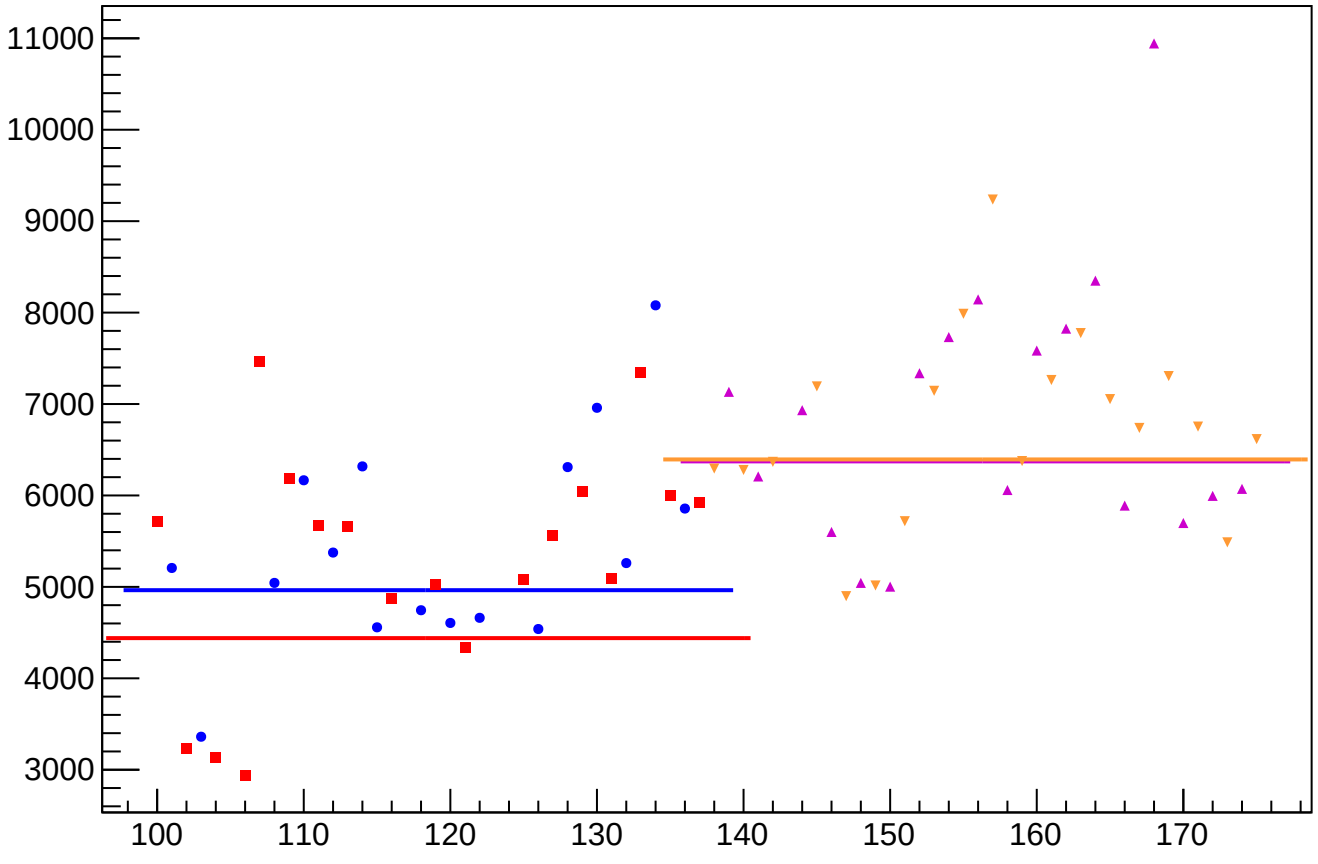
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -299.889+/-1685.696 χ^2/NDF:11.4/17

+ sign -723.310+/-1257.143 χ^2/NDF: 40.2/34

All: -486.898+/-868.553 χ^2/NDF: 67.4/70

- sign -270.988+/-1201.392 χ^2/NDF: 27.1/35



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6393.891+/-1.188 χ^2/NDF:724362.4/18

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

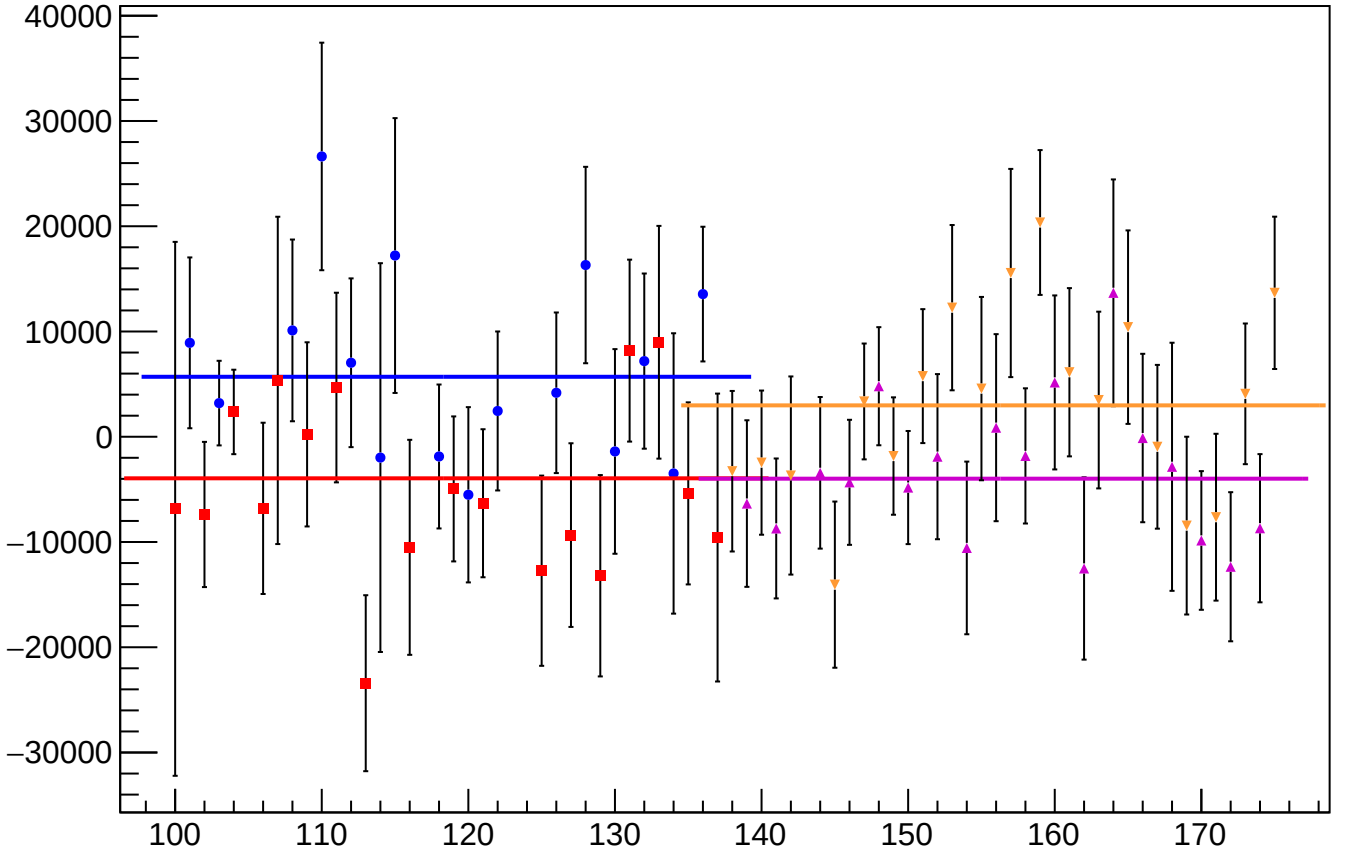
Left In: 6372.683+/-1.192 χ^2/NDF:987645.1/17

+ sign 5765.244+/-0.889 χ^2/NDF: 1989183.4/34

All: 5585.591+/-0.614 χ^2/NDF: 5507570.4/7

- sign 5421.519+/-0.850 χ^2/NDF: 3440241.3/35

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 2981.259+/-1699.843 χ^2/NDF:23.7/18

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

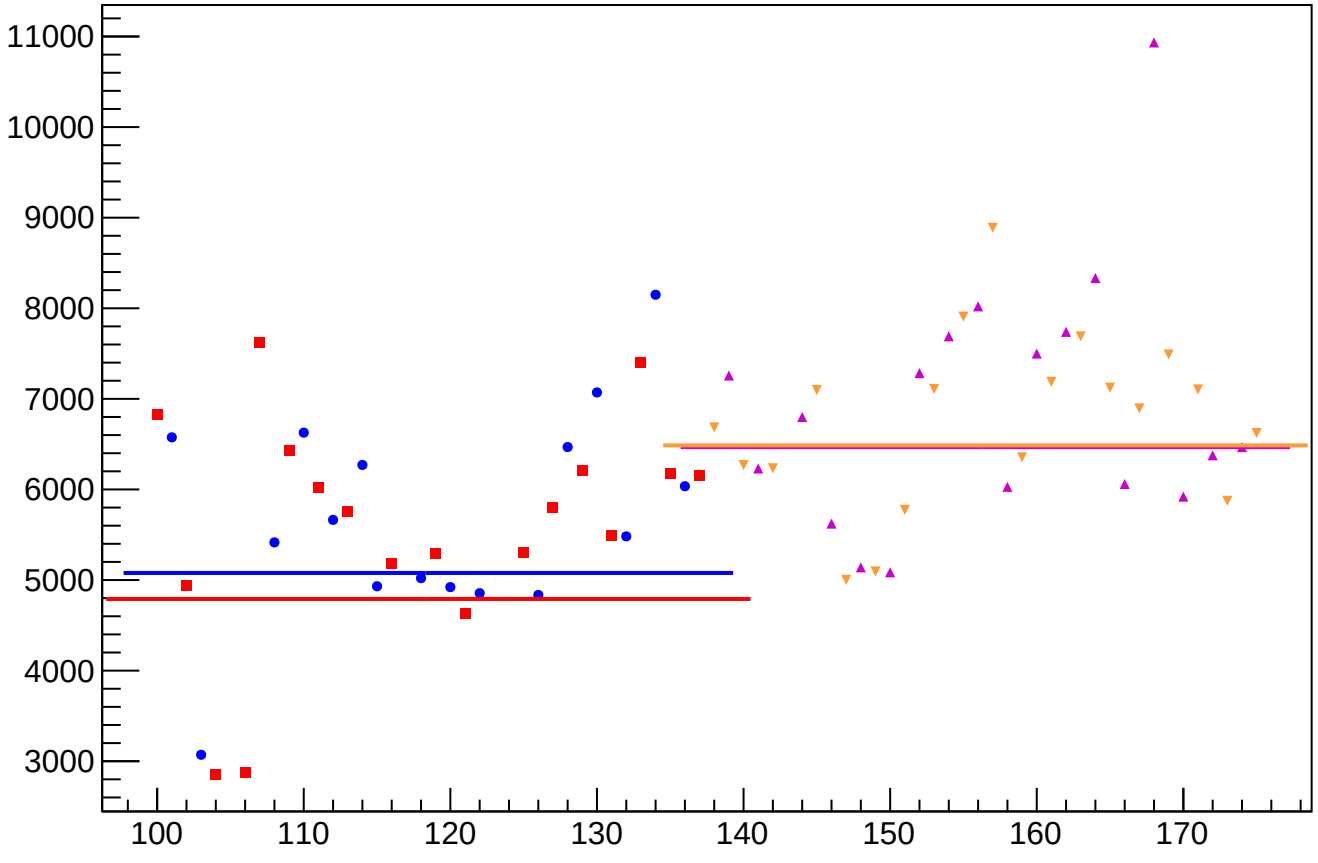
Left In: -3984.335+/-1707.009 χ^2/NDF:12.0/17

+ sign 4147.681+/-1283.950 χ^2/NDF: 37.5/34

All: 63.834+/-905.027 χ^2/NDF: 85.7/70

- sign -3968.915+/-1275.892 χ^2/NDF: 28.1/35

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6486.620+/-1.202 χ^2/NDF:625775.3/18

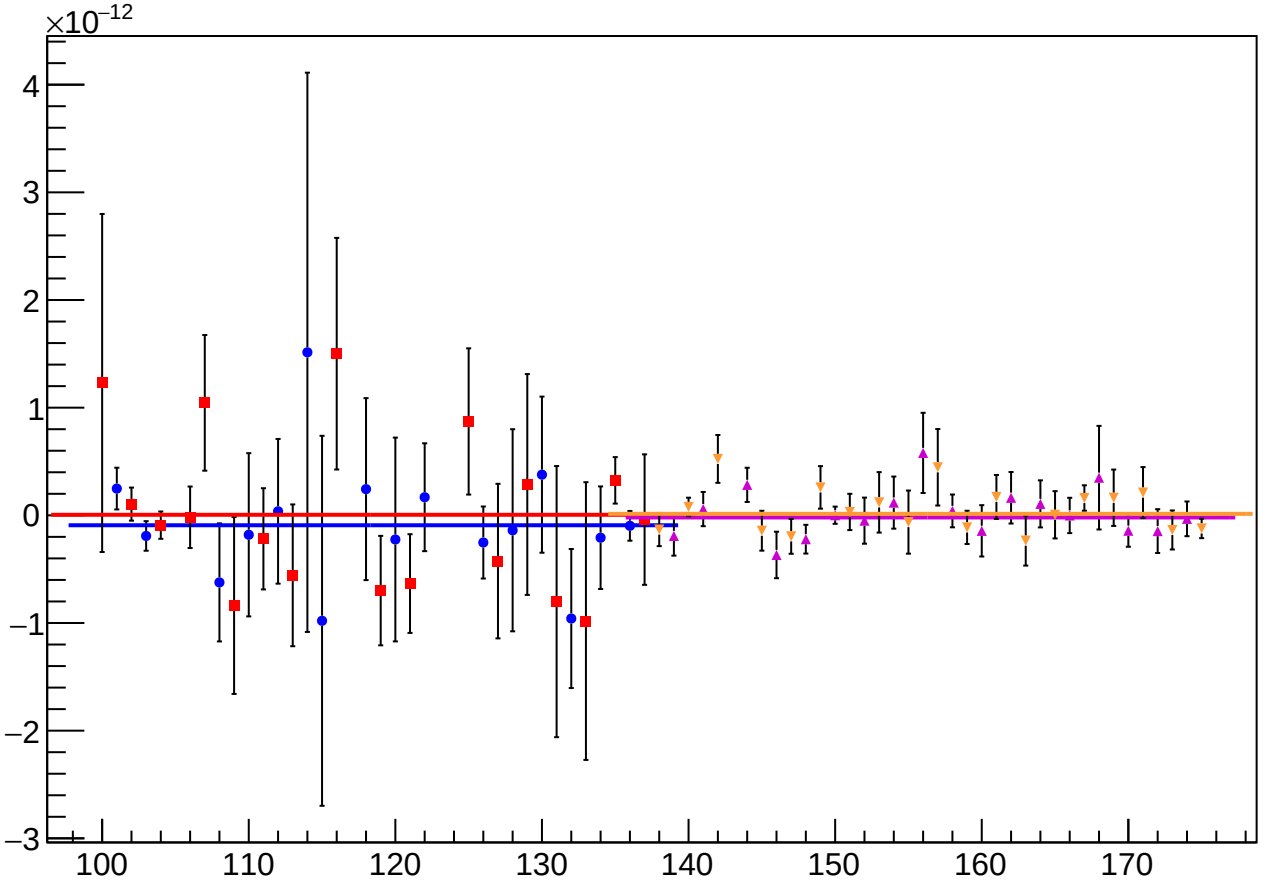
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6467.056+/-1.207 χ^2/NDF:888898.7/17

+ sign 5881.716+/-0.908 χ^2/NDF: 2134702.3/34

All: 5794.833+/-0.637 χ^2/NDF: 5074261.6/70

- sign 5710.581+/-0.894 χ^2/NDF: 2921520.2/35



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.3/18

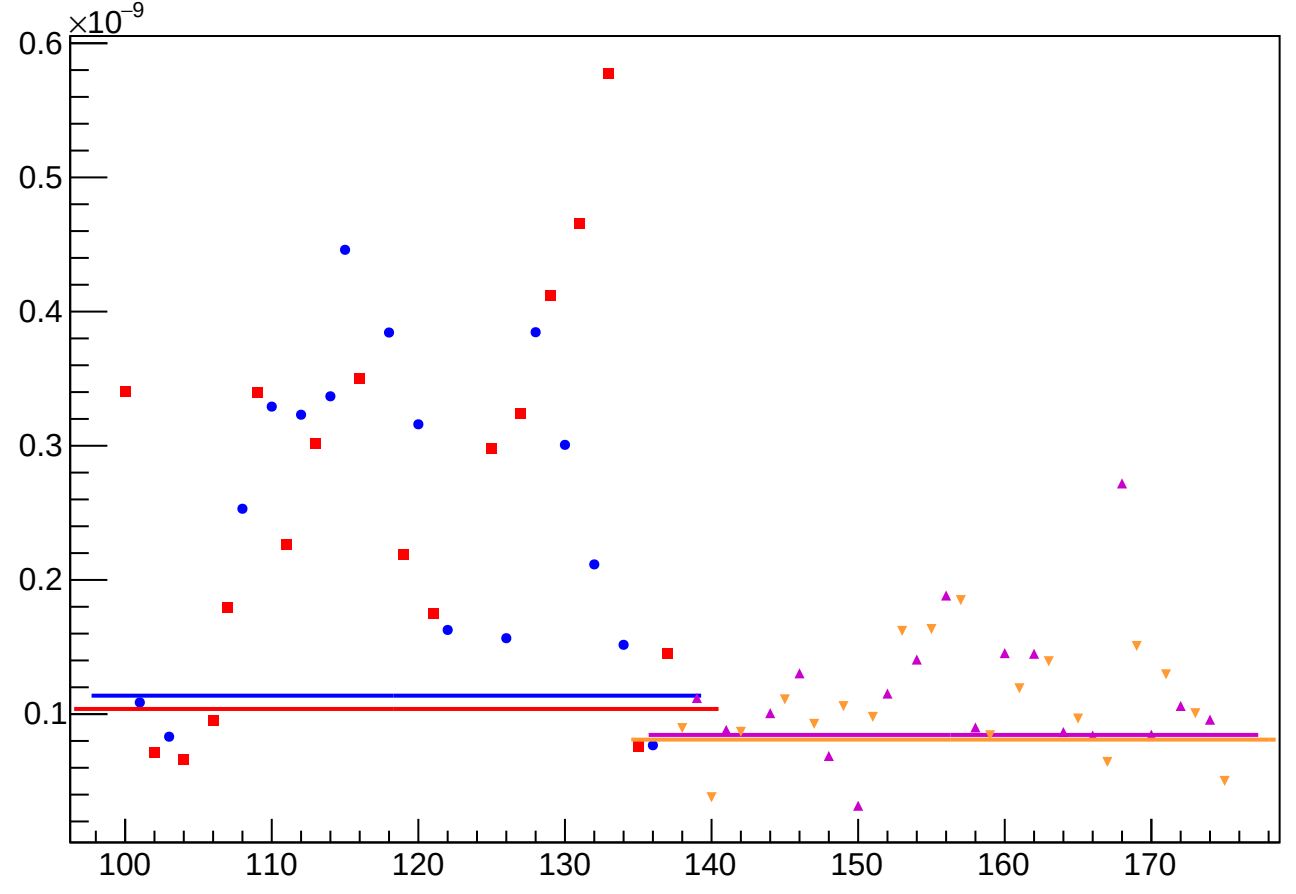
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:15.7/17

+ sign -0.000+/-0.000 χ^2/NDF: 30.0/34

All: -0.000+/-0.000 χ^2/NDF: 63.2/70

- sign -0.000+/-0.000 χ^2/NDF: 33.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1849225.7/18

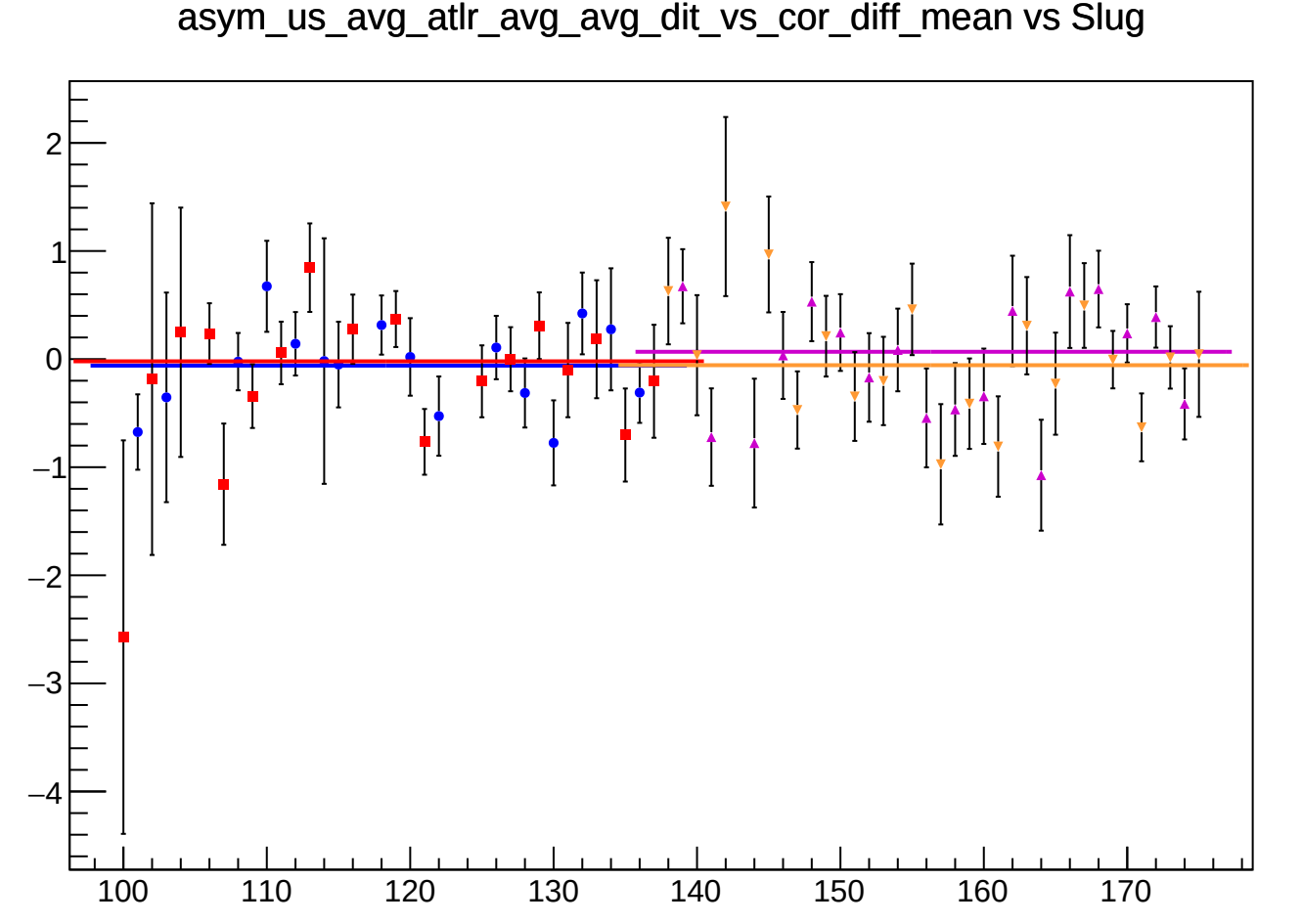
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1961294.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 3662537.4/34

All: 0.000+/-0.000 χ^2/NDF: 7812588.3/70

- sign 0.000+/-0.000 χ^2/NDF: 4148311.0/35



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.056+/-0.094 χ^2/NDF:25.1/18

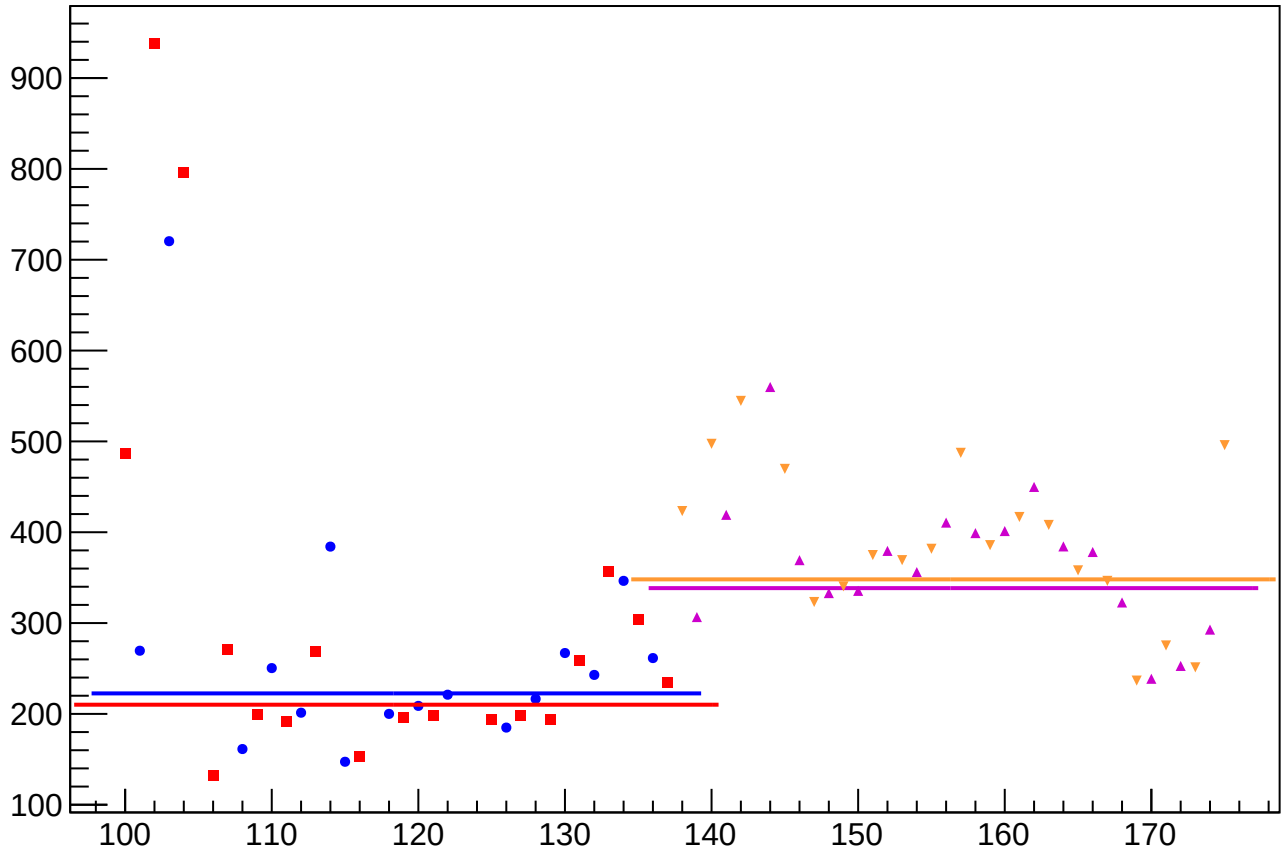
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.068+/-0.091 χ^2/NDF:27.8/17

+ sign -0.059+/-0.064 χ^2/NDF: 42.4/34

All: -0.017+/-0.045 χ^2/NDF: 97.5/70

- sign 0.022+/-0.063 χ^2/NDF: 54.4/35



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 348.116+/-0.066 χ^2/NDF:1479424.2/18

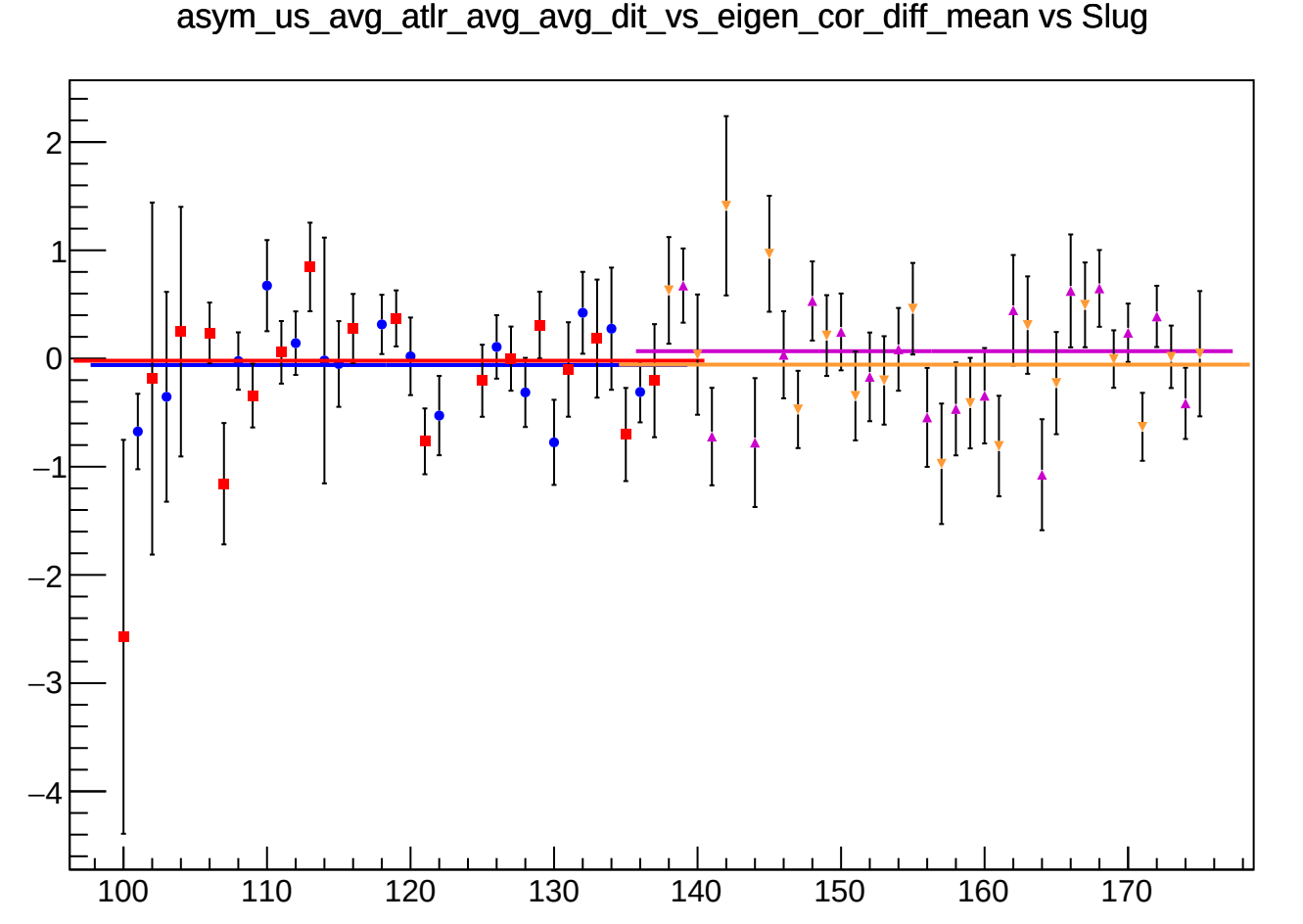
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 338.465+/-0.064 χ^2/NDF:1146421.8/17

+ sign 281.795+/-0.046 χ^2/NDF: 4390178.3/34

All: 276.643+/-0.032 χ^2/NDF: 9178263.3/70

- sign 271.710+/-0.045 χ^2/NDF: 4763060.2/35



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.056+/-0.094 χ^2/NDF:25.1/18

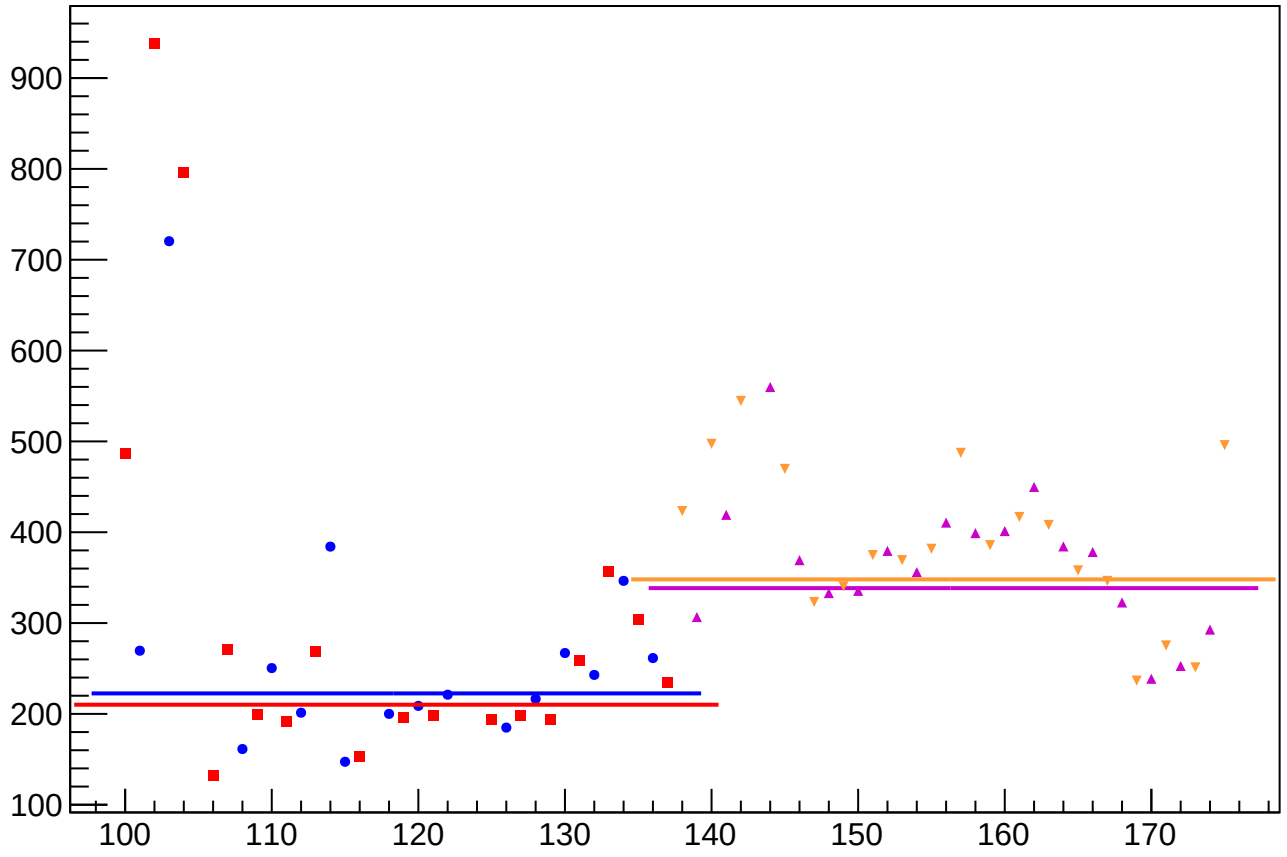
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.068+/-0.091 χ^2/NDF:27.8/17

+ sign -0.059+/-0.064 χ^2/NDF: 42.4/34

All: -0.017+/-0.045 χ^2/NDF: 97.5/70

- sign 0.022+/-0.063 χ^2/NDF: 54.4/35



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 348.116+/-0.066 χ^2/NDF:1479424.2/18

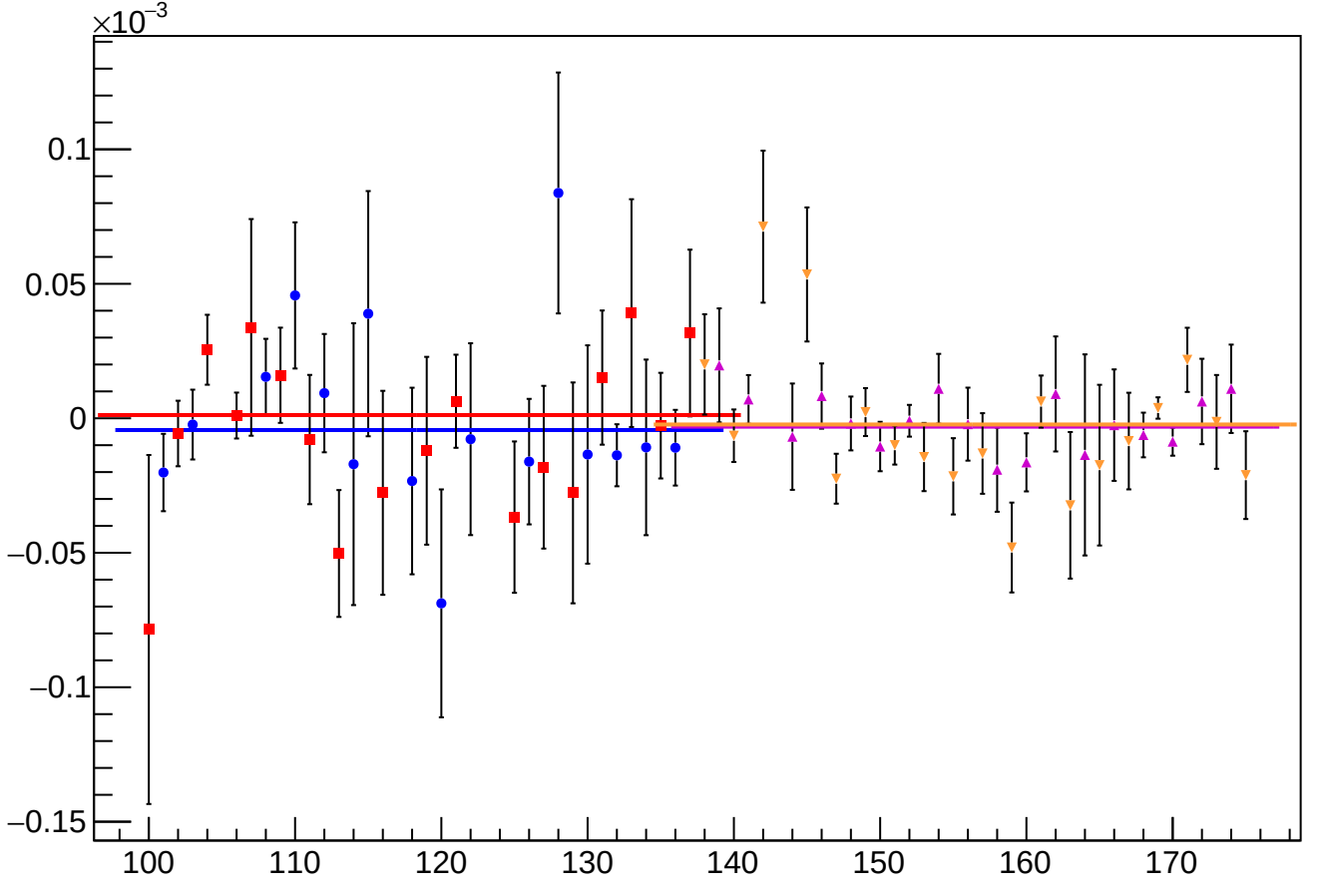
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 338.465+/-0.064 χ^2/NDF:1146421.8/17

+ sign 281.795+/-0.046 χ^2/NDF: 4390178.3/34

All: 276.643+/-0.032 χ^2/NDF: 9178263.3/70

- sign 271.710+/-0.045 χ^2/NDF: 4763060.2/35



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.4/18

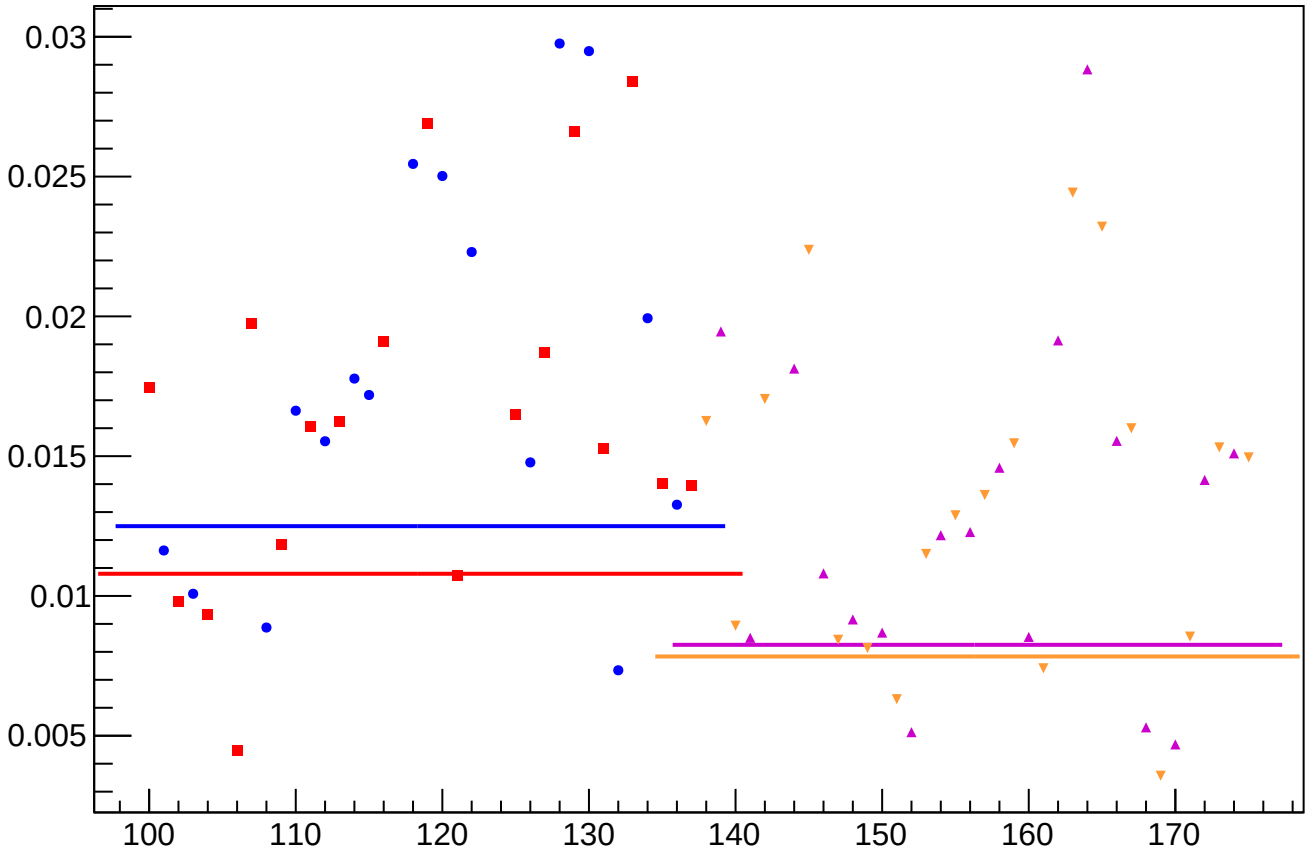
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:10.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 56.2/34

All: -0.000+/-0.000 χ^2/NDF: 84.8/70

- sign -0.000+/-0.000 χ^2/NDF: 28.5/35



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:7305444.6/18

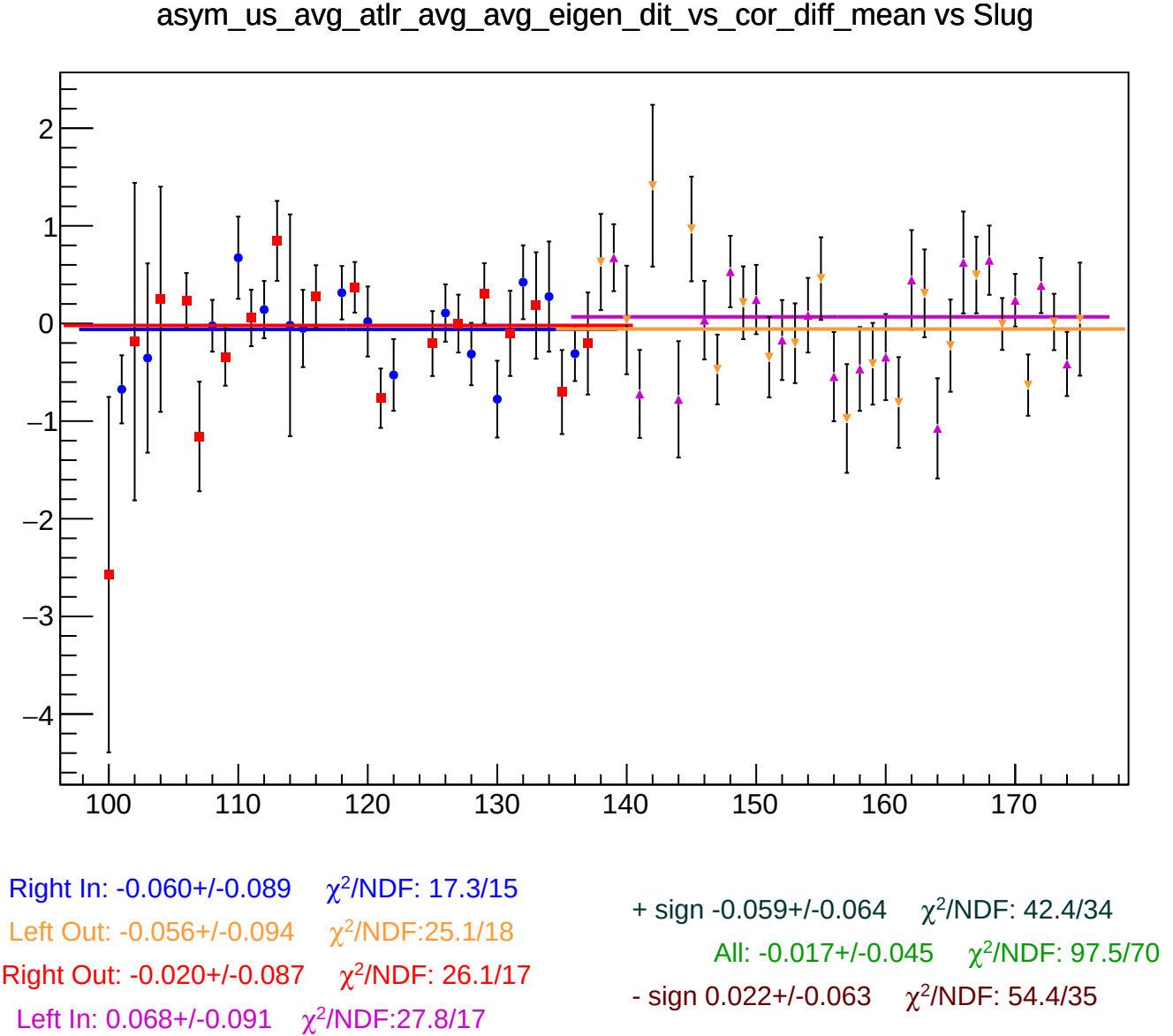
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.008+/-0.000 χ^2/NDF:5596134.5/17

+ sign 0.009+/-0.000 χ^2/NDF: 10792702.1/34

All: 0.009+/-0.000 χ^2/NDF: 19855696.2/70

- sign 0.009+/-0.000 χ^2/NDF: 9058955.2/35


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
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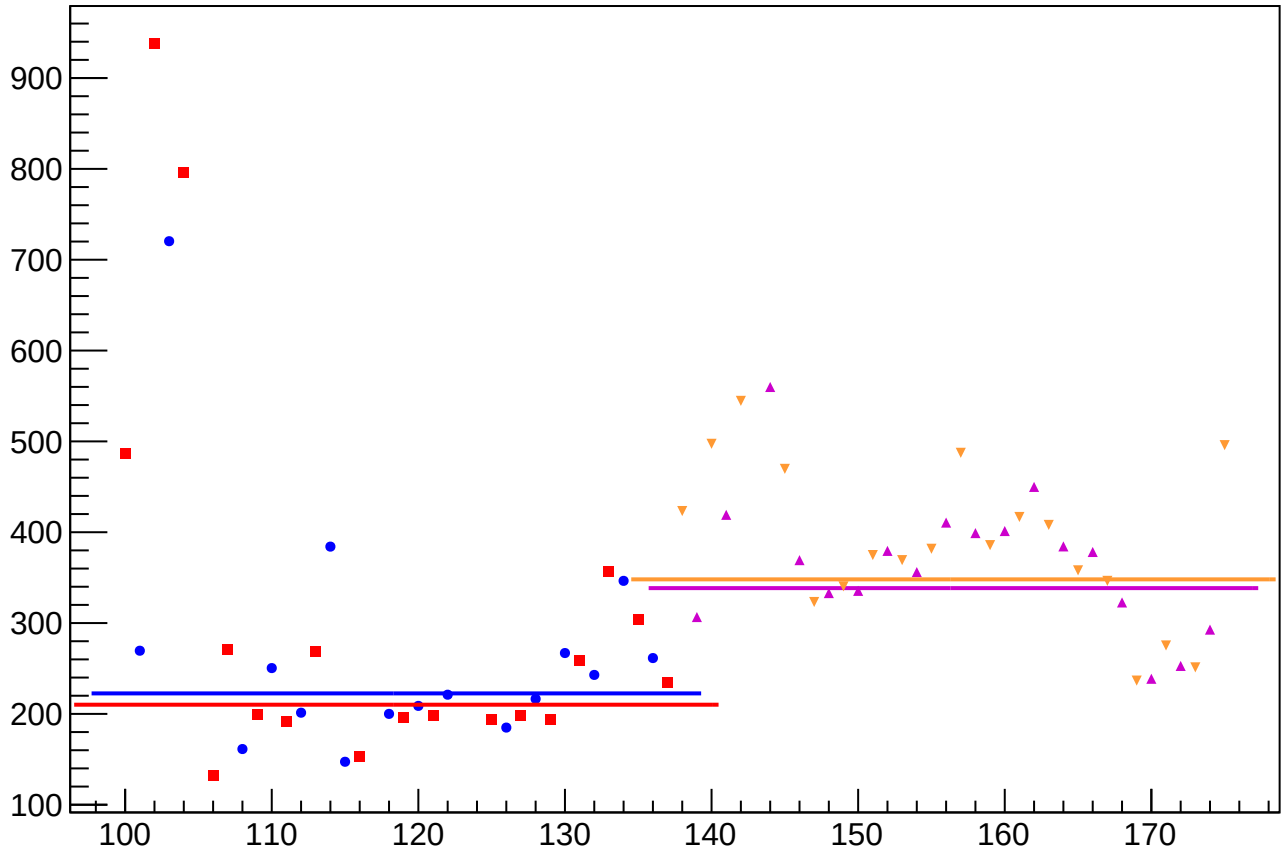
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.056+/-0.094 χ²/NDF:25.1/18
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.068+/-0.091 χ²/NDF:27.8/17
+ sign -0.059+/-0.064 χ²/NDF: 42.4/34
All: -0.017+/-0.045 χ²/NDF: 97.5/70
- sign 0.022+/-0.063 χ²/NDF: 54.4/35



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 348.116+/-0.066 χ^2/NDF:1479589.6/18

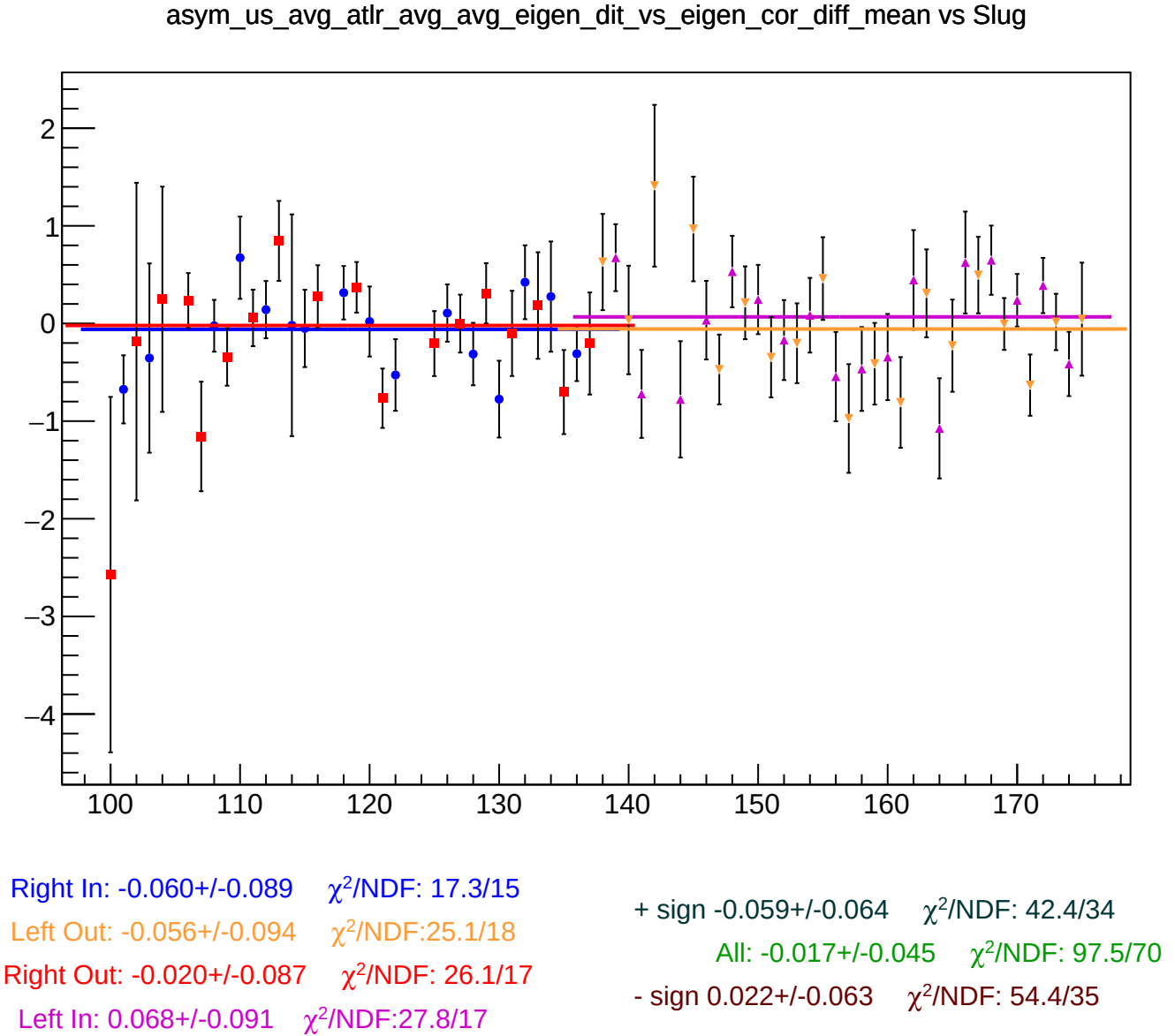
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

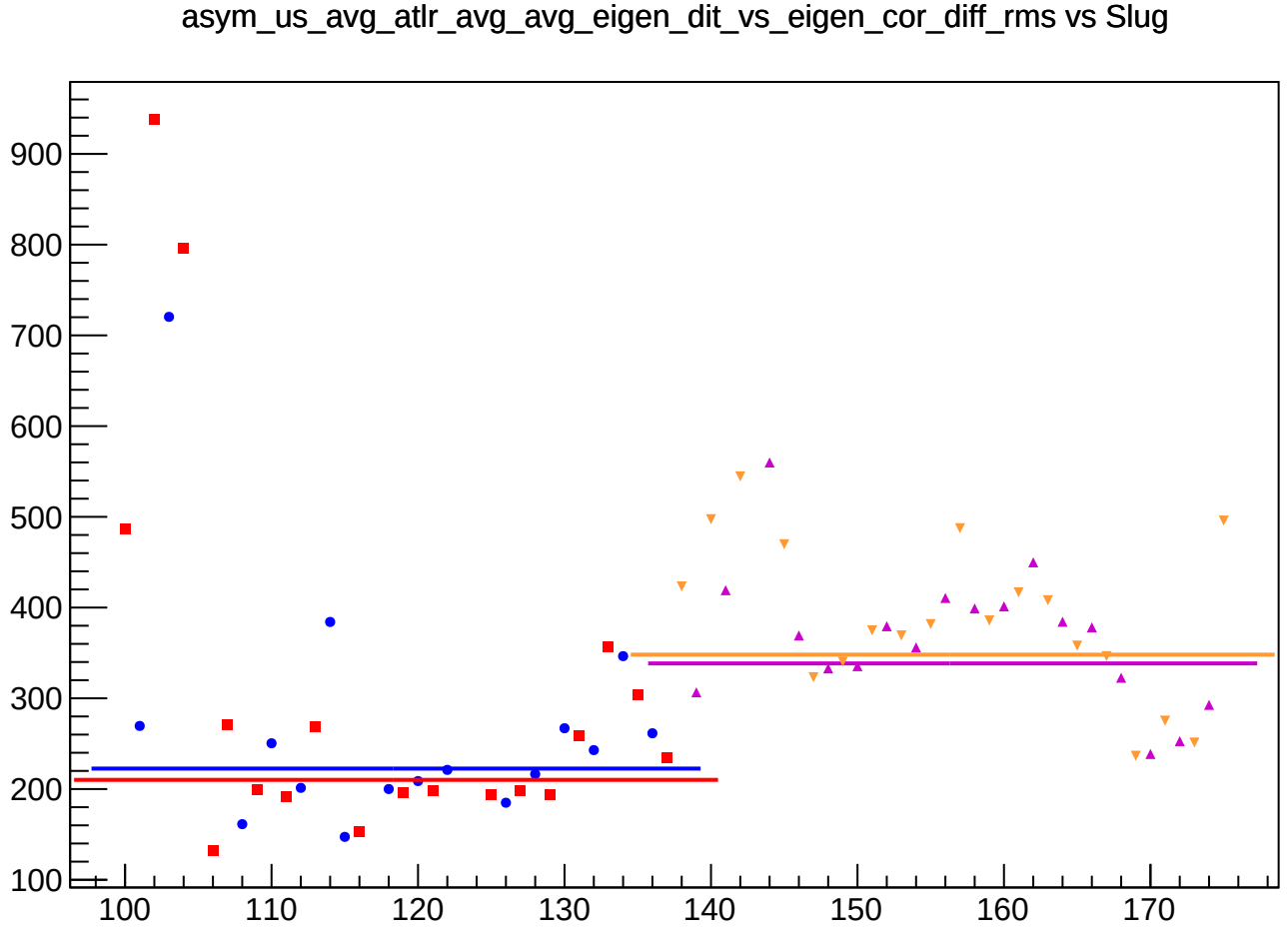
Left In: 338.466+/-0.064 χ^2/NDF:1146546.3/17

+ sign 281.793+/-0.046 χ^2/NDF: 4390391.7/34

All: 276.641+/-0.032 χ^2/NDF: 9178720.0/70

- sign 271.708+/-0.045 χ^2/NDF: 4763301.7/35


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: -0.056+/-0.094 χ²/NDF:25.1/18
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.068+/-0.091 χ²/NDF:27.8/17
+ sign -0.059+/-0.064 χ²/NDF: 42.4/34
All: -0.017+/-0.045 χ²/NDF: 97.5/70
- sign 0.022+/-0.063 χ²/NDF: 54.4/35



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 348.116+/-0.066 χ^2/NDF:1479589.6/18

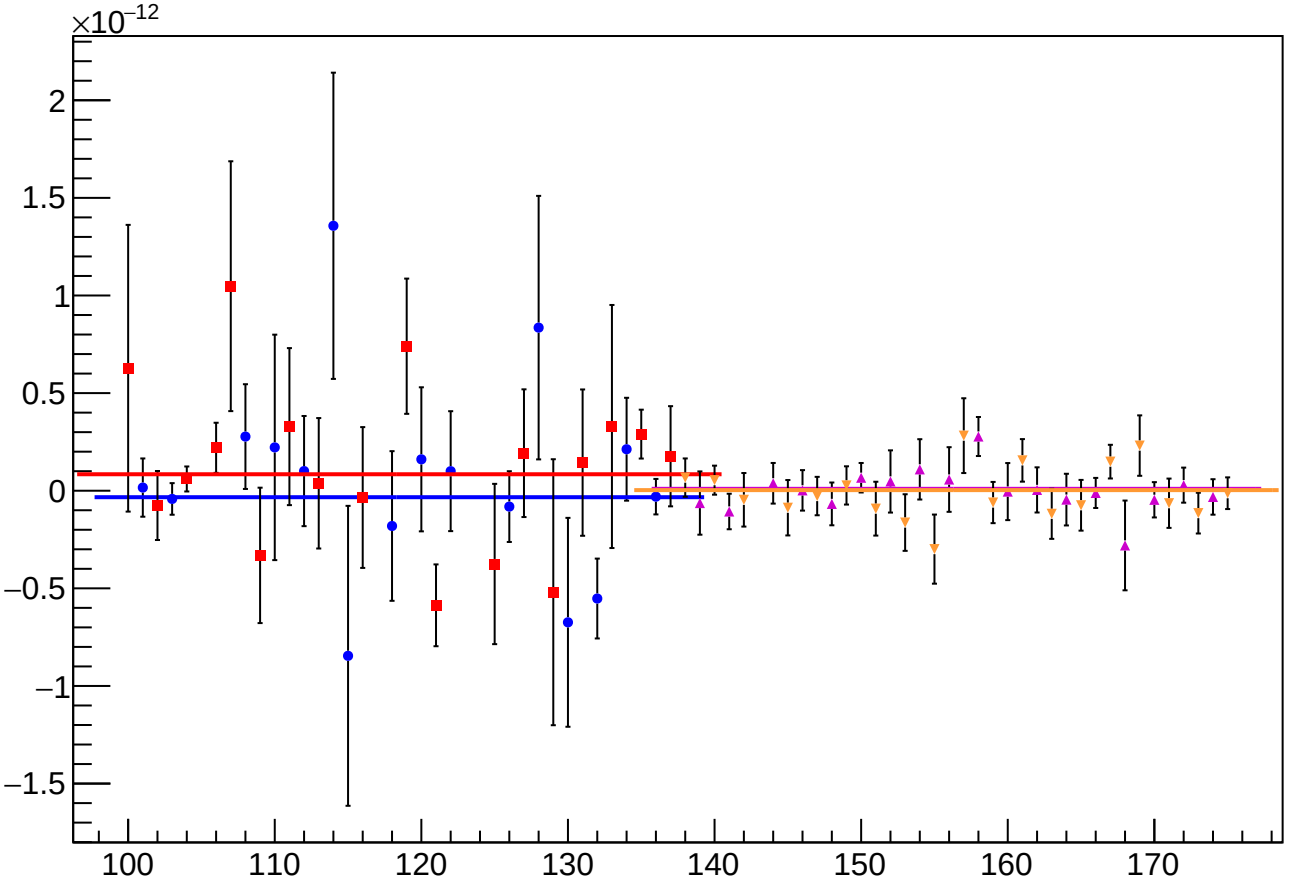
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 338.466+/-0.064 χ^2/NDF:1146546.3/17

+ sign 281.793+/-0.046 χ^2/NDF: 4390391.7/34

All: 276.641+/-0.032 χ^2/NDF: 9178720.0/70

- sign 271.708+/-0.045 χ^2/NDF: 4763301.7/35



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.6/18

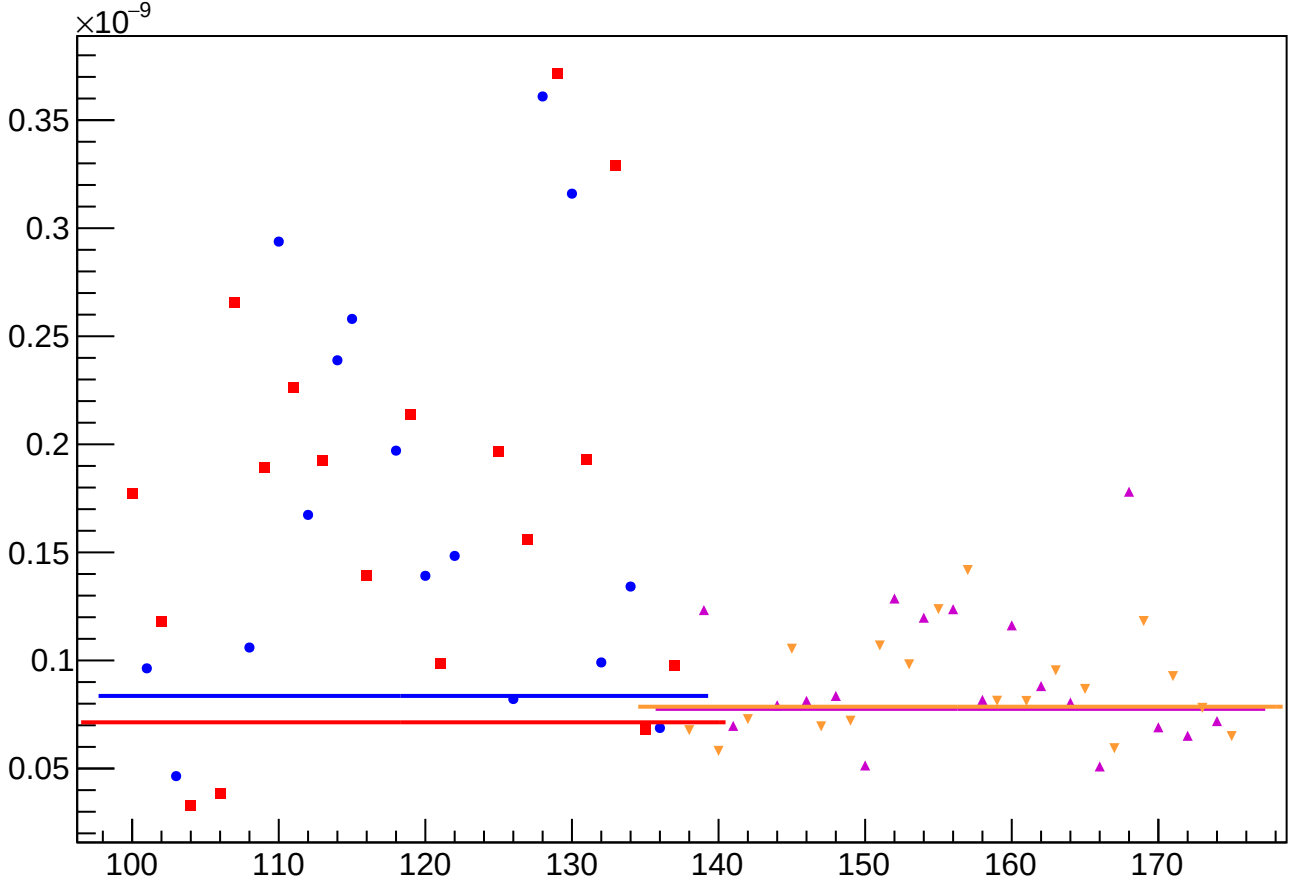
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:13.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 36.3/34

All: 0.000+/-0.000 χ^2/NDF: 78.6/70

- sign 0.000+/-0.000 χ^2/NDF: 41.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1101795.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

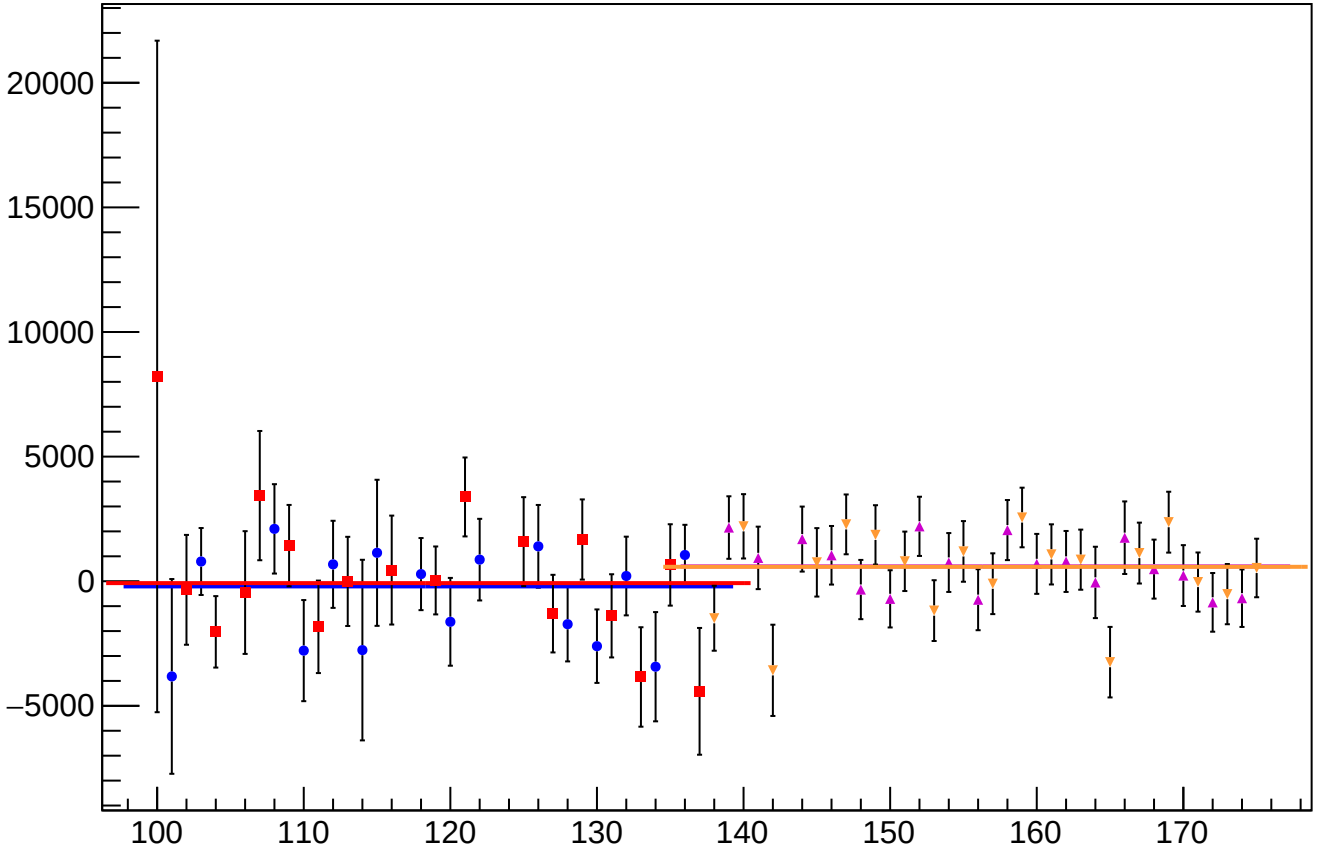
Left In: 0.000+/-0.000 χ^2/NDF:1779461.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 3354572.6/34

All: 0.000+/-0.000 χ^2/NDF: 8936111.8/70

- sign 0.000+/-0.000 χ^2/NDF: 5554316.5/35

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 578.208+/-286.595 χ^2/NDF:28.8/18

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

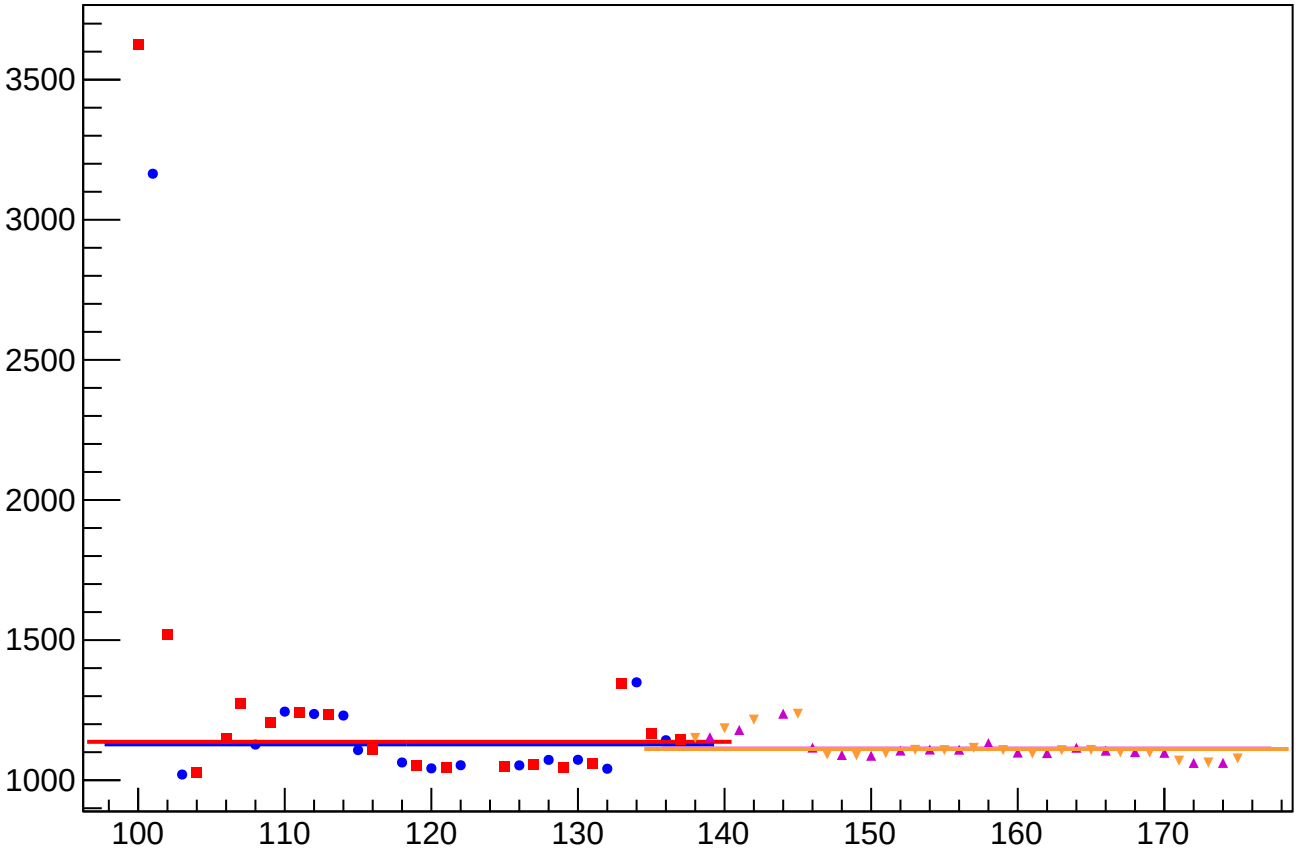
Left In: 594.920+/-288.575 χ^2/NDF:12.6/17

\+ sign 335.618+/-238.335 χ^2/NDF: 45.9/34

All: 361.260+/-169.026 χ^2/NDF: 80.8/70

\- sign 387.208+/-239.748 χ^2/NDF: 34.9/35

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1111.367+/-0.203 χ^2/NDF:41468.7/18

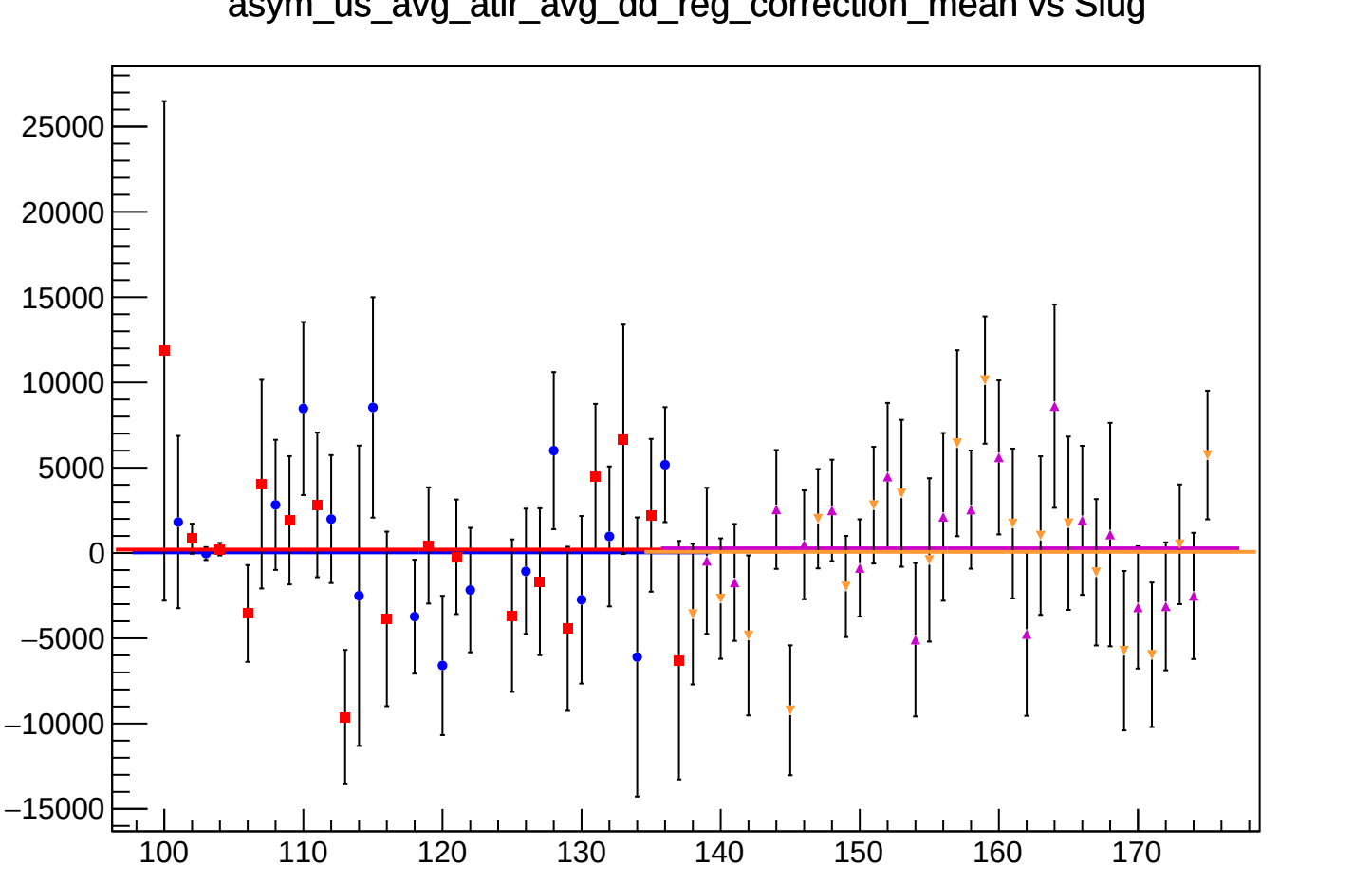
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1112.519+/-0.204 χ^2/NDF:37160.6/17

+ sign 1116.500+/-0.169 χ^2/NDF: 664942.7/34

All: 1118.307+/-0.119 χ^2/NDF: 926905.7/70

- sign 1120.134+/-0.169 χ^2/NDF: 261731.7/35



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: 68.839+/-906.296 χ^2/NDF:25.5/18

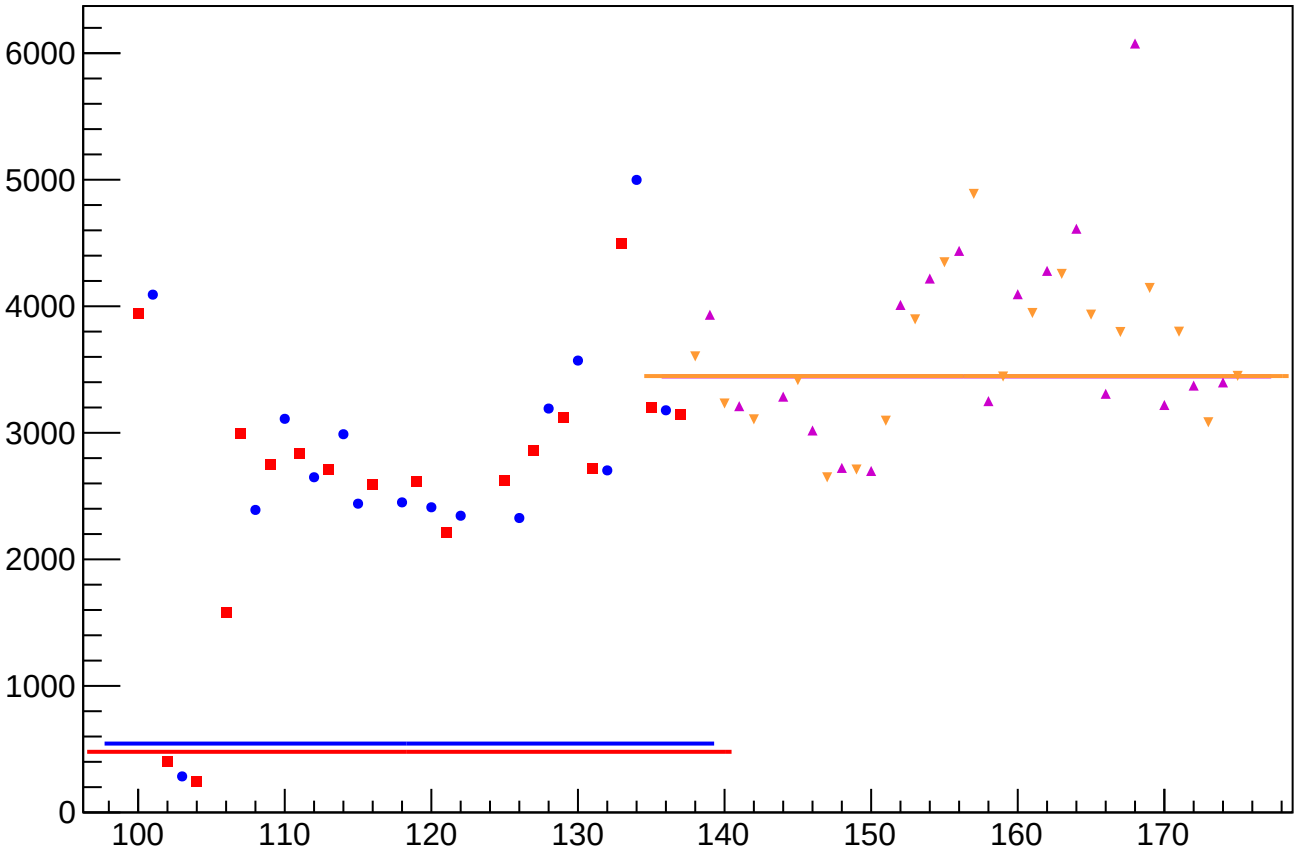
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 274.569+/-911.838 χ^2/NDF:11.4/17

+ sign 42.415+/-332.683 χ^2/NDF: 40.3/34

All: 133.585+/-224.450 χ^2/NDF: 67.5/70

- sign 209.752+/-304.081 χ^2/NDF: 27.0/35



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3448.464+/-0.641 χ^2/NDF:745899.8/18

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

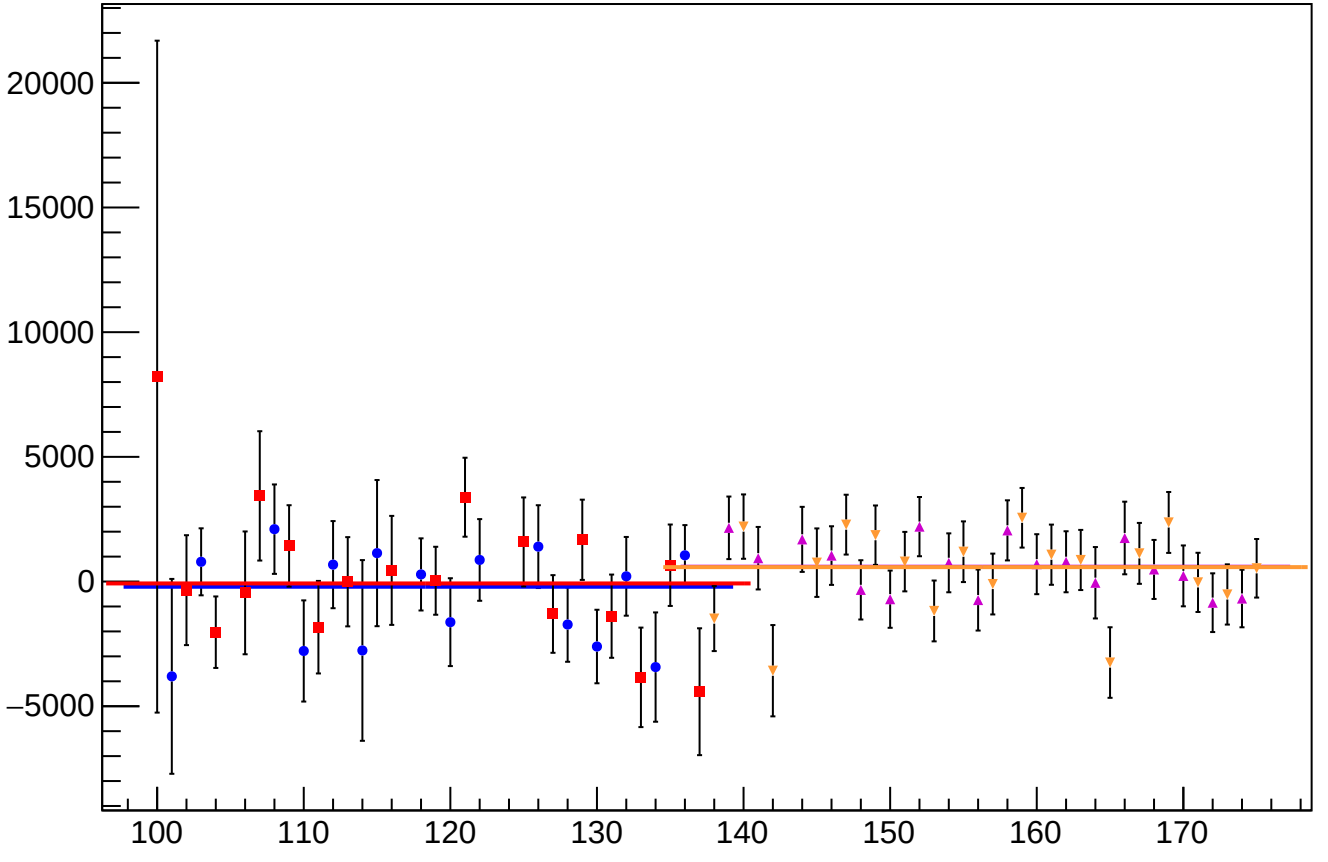
Left In: 3445.740+/-0.645 χ^2/NDF:1024172.2/17

+ sign 935.661+/-0.235 χ^2/NDF: 28197931.9/34

All: 866.738+/-0.159 χ^2/NDF: 57381555.4/70

- sign 809.156+/-0.215 χ^2/NDF: 29026064.2/35

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 578.265+/-286.595 χ^2/NDF:28.8/18

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

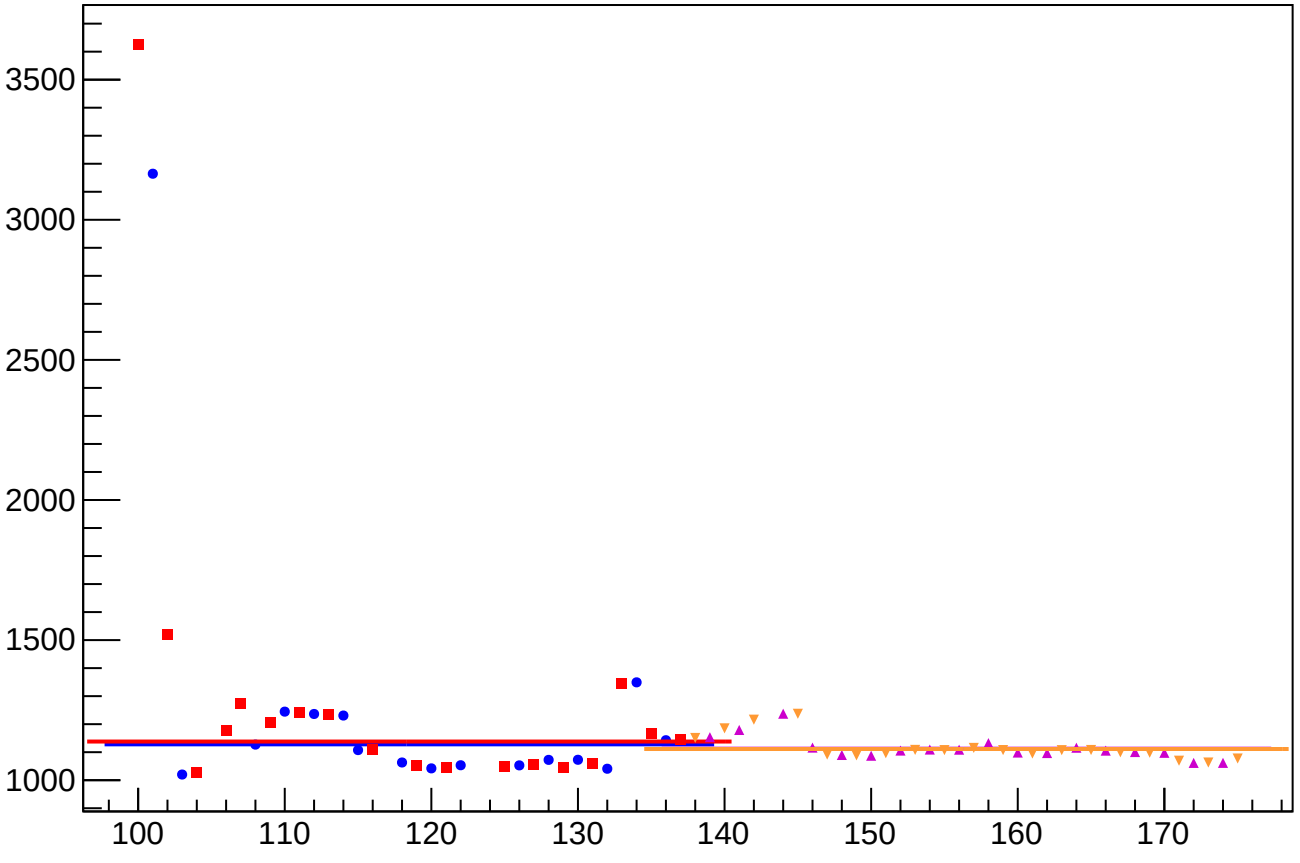
Left In: 594.911+/-288.575 χ^2/NDF:12.6/17

+ sign 335.728+/-238.335 χ^2/NDF: 45.9/34

All: 361.290+/-169.026 χ^2/NDF: 80.8/70

- sign 387.157+/-239.748 χ^2/NDF: 34.9/35

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1111.367+/-0.203 χ^2/NDF:41468.7/18

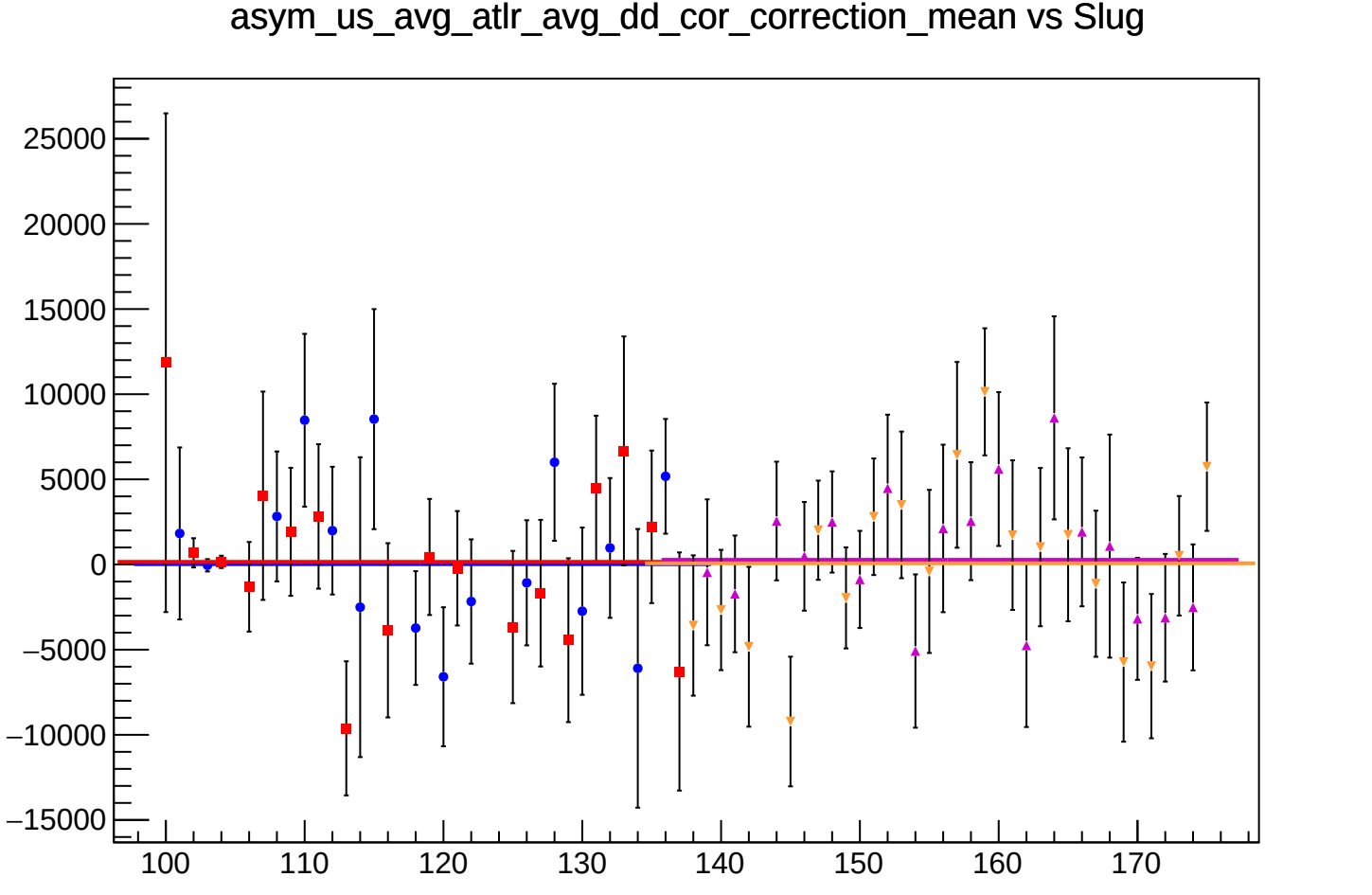
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

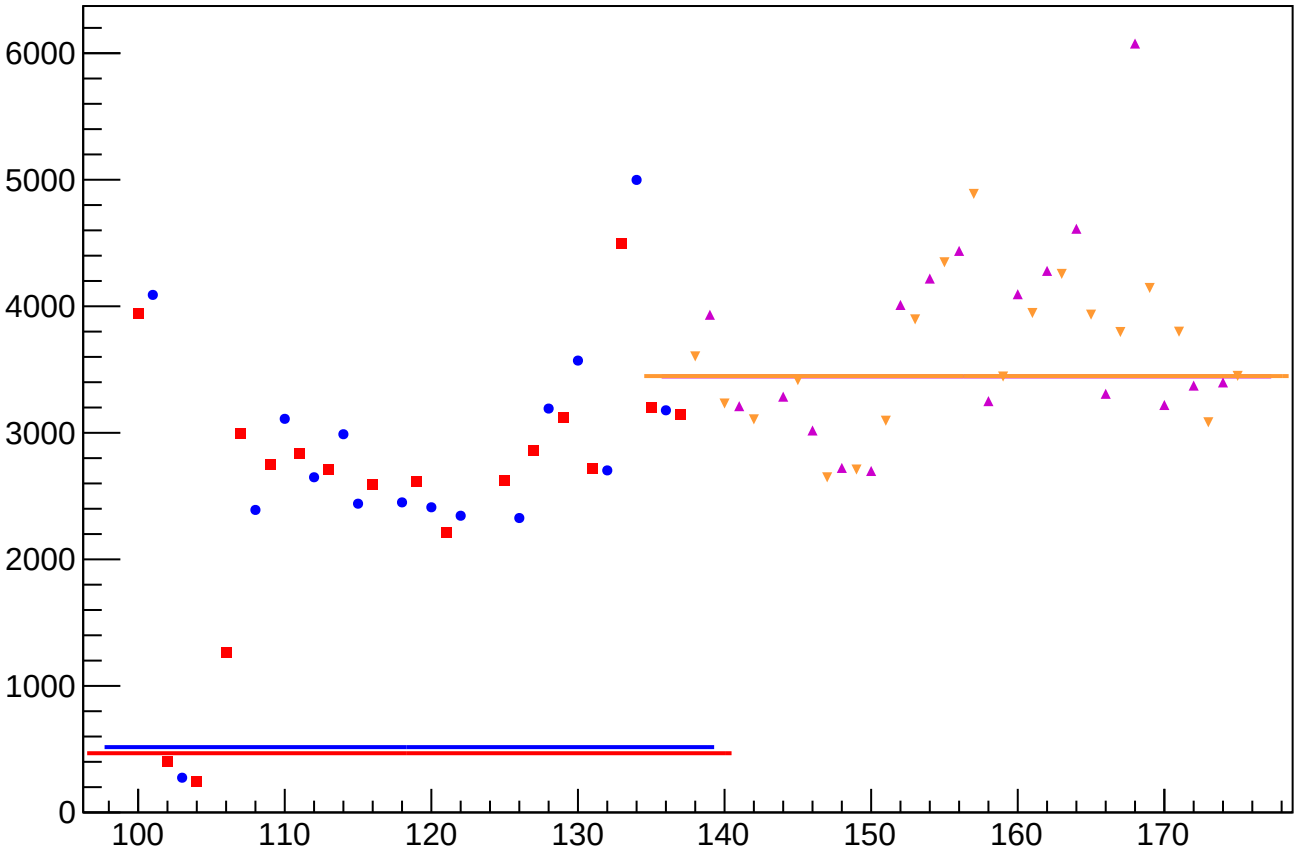
Left In: 1112.519+/-0.204 χ^2/NDF:37160.6/17

+ sign 1116.500+/-0.169 χ^2/NDF: 664943.8/34

All: 1118.448+/-0.120 χ^2/NDF: 927831.6/70

- sign 1120.418+/-0.169 χ^2/NDF: 262619.0/35


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: 68.892+/-906.296 χ²/NDF:25.5/18
Right Out: 156.231+/-317.367 χ²/NDF: 14.0/17
Left In: 274.588+/-911.837 χ²/NDF:11.4/17
+ sign 27.611+/-322.041 χ²/NDF: 40.4/34
All: 103.382+/-219.405 χ²/NDF: 65.9/70
- sign 169.019+/-299.731 χ²/NDF: 25.4/35



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3448.465+/-0.641 χ^2/NDF:745905.7/18

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

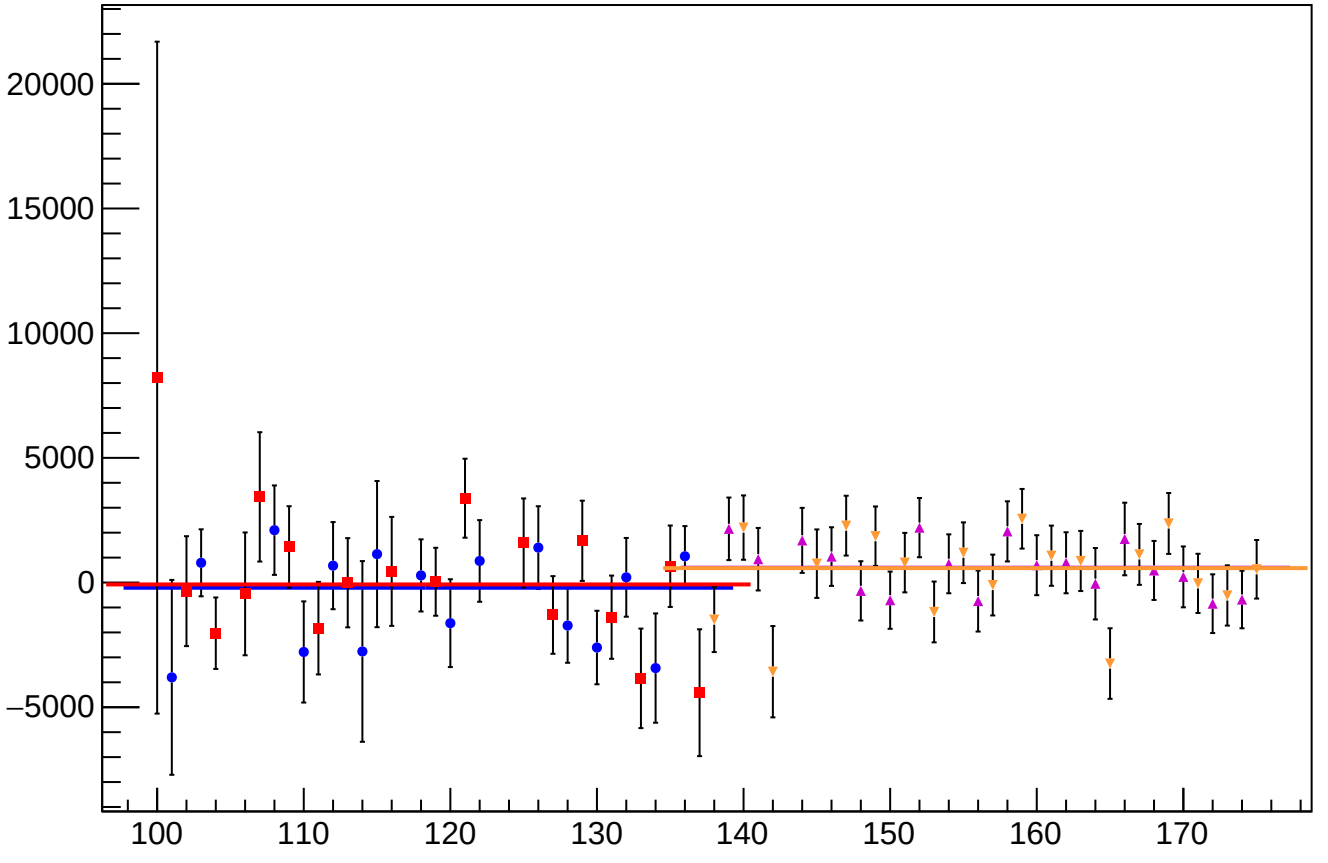
Left In: 3445.738+/-0.645 χ^2/NDF:1024177.9/17

+ sign 886.526+/-0.228 χ^2/NDF: 28872006.8/34

All: 834.698+/-0.155 χ^2/NDF: 58127601.8/70

- sign 789.801+/-0.212 χ^2/NDF: 29158919.1/35

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 578.265+/-286.595 χ^2/NDF:28.8/18

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

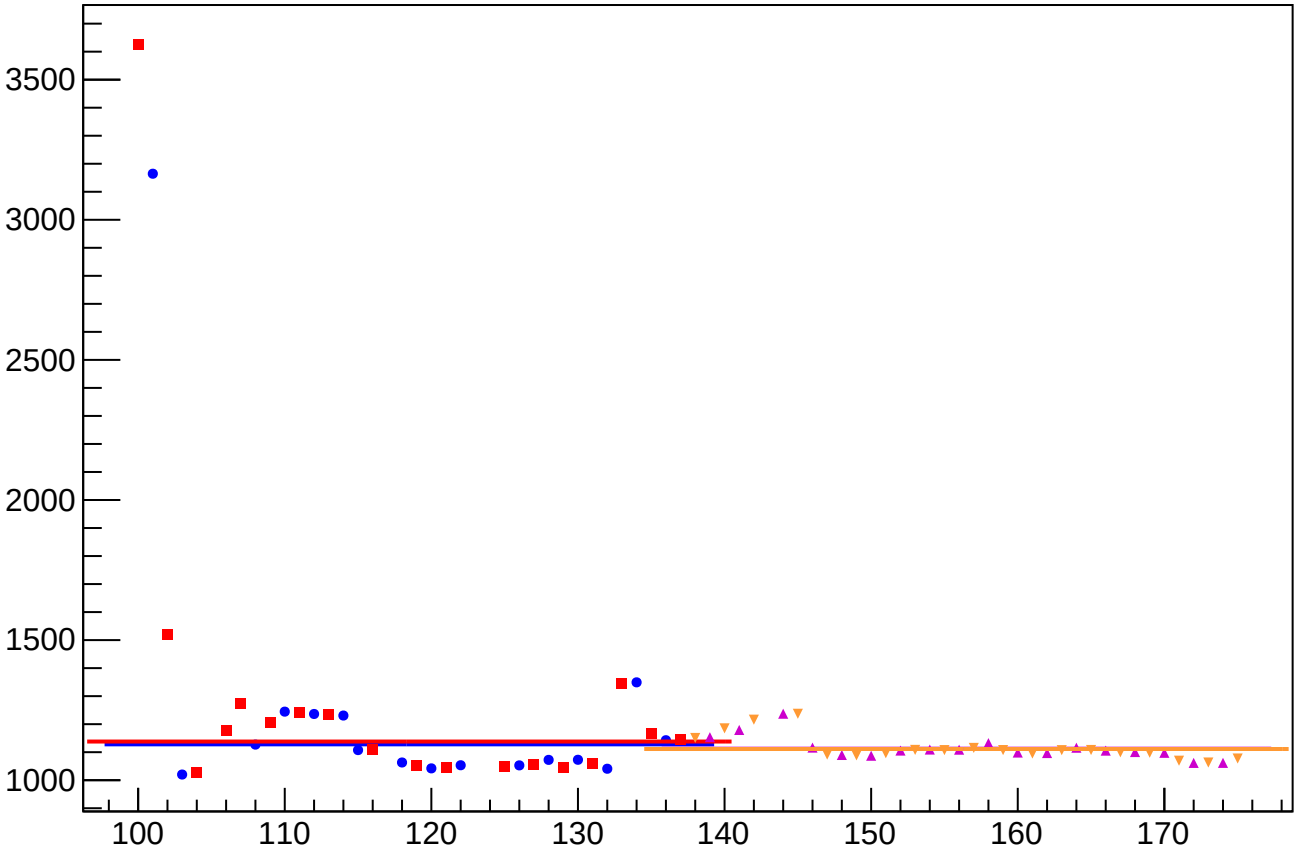
Left In: 594.911+/-288.575 χ^2/NDF:12.6/17

+ sign 335.728+/-238.335 χ^2/NDF: 45.9/34

All: 361.290+/-169.026 χ^2/NDF: 80.8/70

- sign 387.157+/-239.748 χ^2/NDF: 34.9/35

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1111.367+/-0.203 χ^2/NDF:41468.7/18

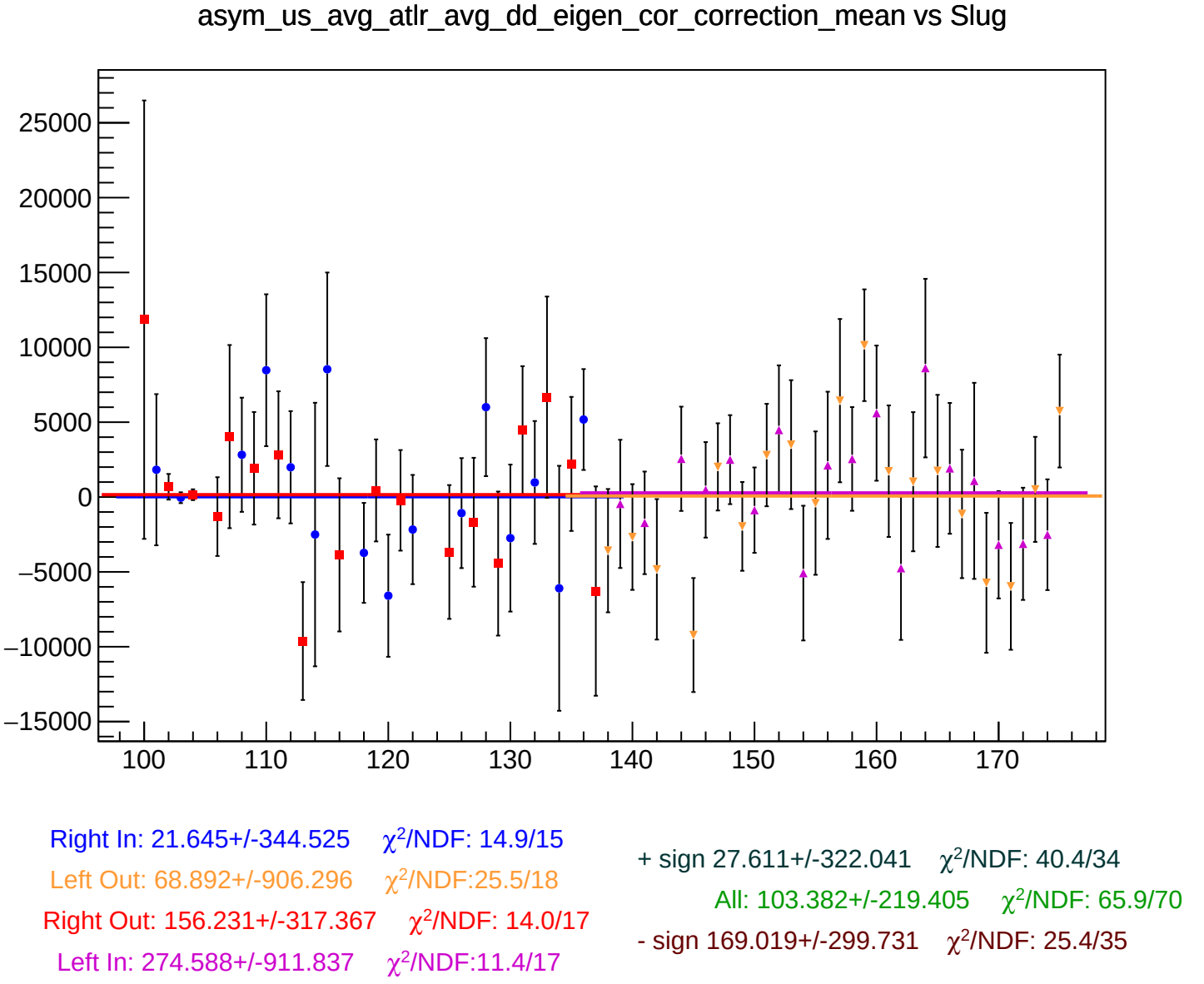
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

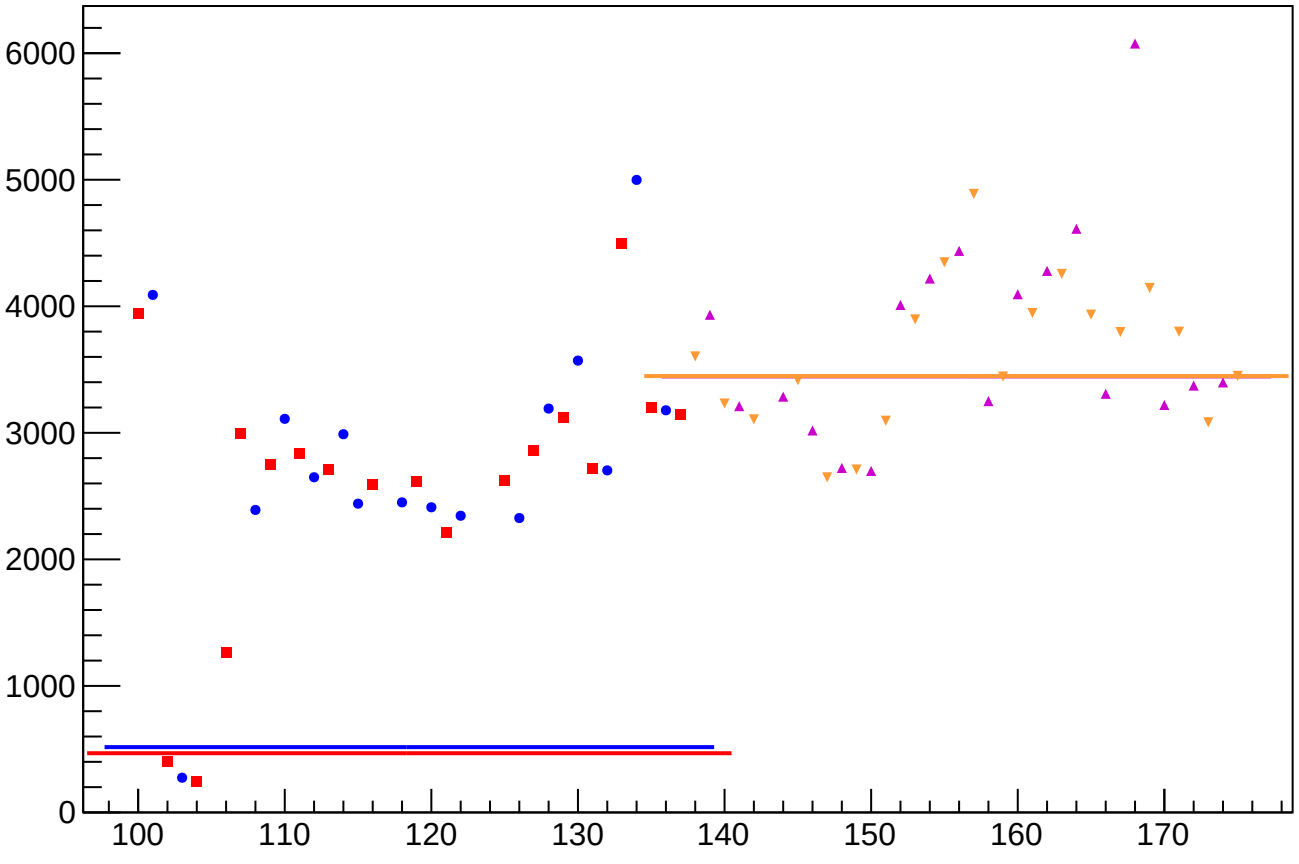
Left In: 1112.519+/-0.204 χ^2/NDF:37160.6/17

+ sign 1116.500+/-0.169 χ^2/NDF: 664943.8/34

All: 1118.448+/-0.120 χ^2/NDF: 927831.6/70

- sign 1120.418+/-0.169 χ^2/NDF: 262619.0/35


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: 68.892+/-906.296 χ²/NDF:25.5/18
Right Out: 156.231+/-317.367 χ²/NDF: 14.0/17
Left In: 274.588+/-911.837 χ²/NDF:11.4/17
+ sign 27.611+/-322.041 χ²/NDF: 40.4/34
All: 103.382+/-219.405 χ²/NDF: 65.9/70
- sign 169.019+/-299.731 χ²/NDF: 25.4/35



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3448.465+/-0.641 χ^2/NDF:745905.7/18

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

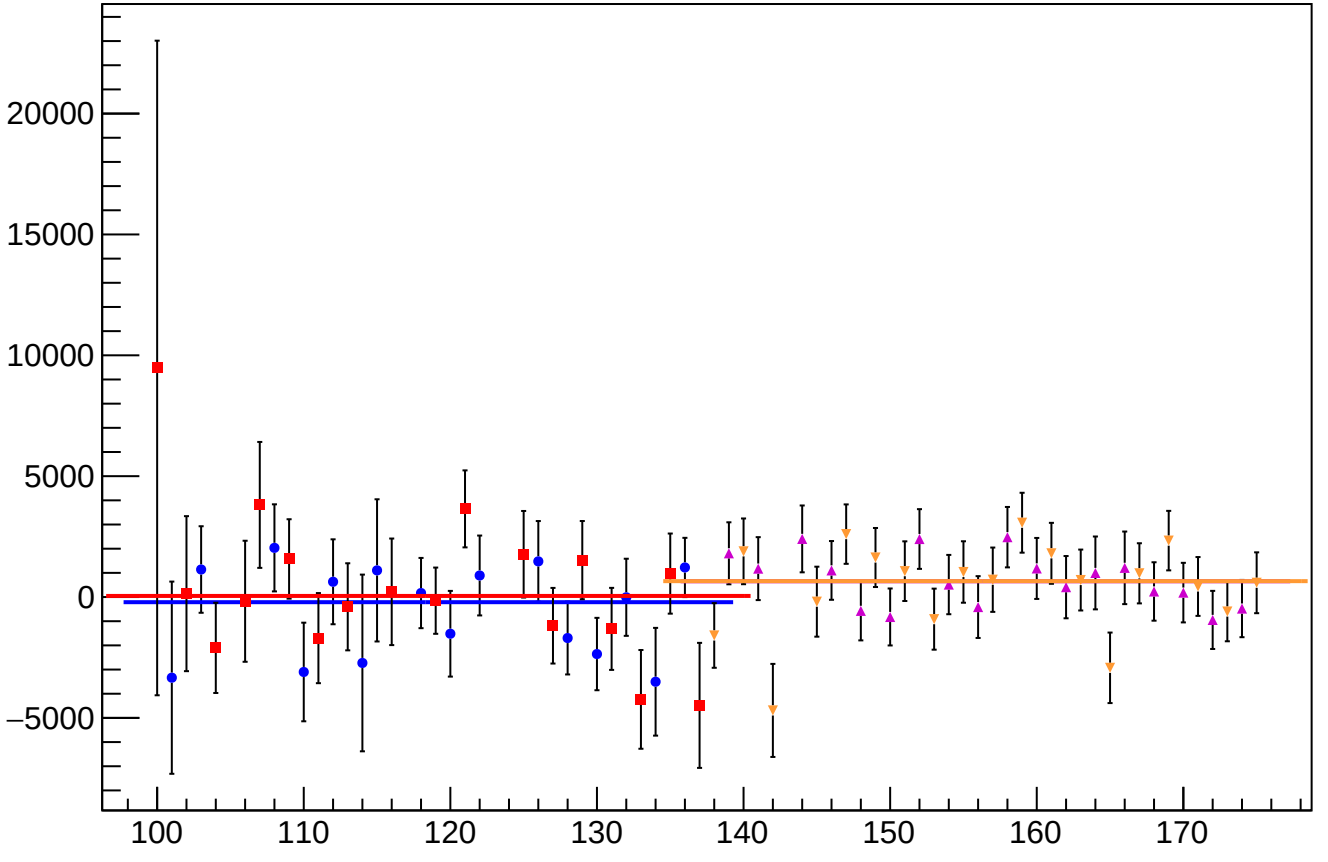
Left In: 3445.738+/-0.645 χ^2/NDF:1024177.9/17

+ sign 886.526+/-0.228 χ^2/NDF: 28872006.8/34

All: 834.698+/-0.155 χ^2/NDF: 58127601.8/70

- sign 789.801+/-0.212 χ^2/NDF: 29158919.1/35

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 657.122+/-297.475 χ^2/NDF:30.3/18

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

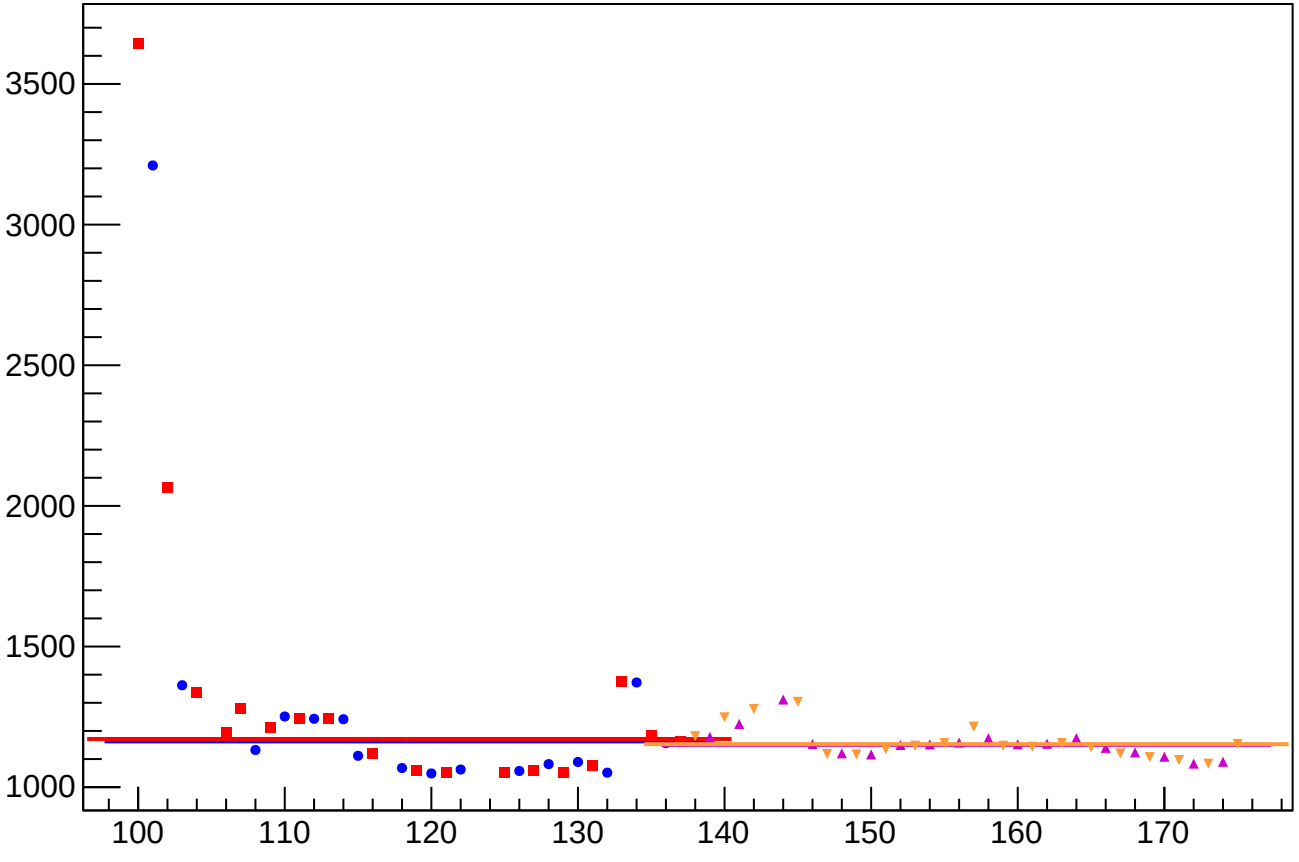
Left In: 651.795+/-298.502 χ^2/NDF:13.5/17

+ sign 386.416+/-246.907 χ^2/NDF: 47.3/34

All: 425.463+/-175.072 χ^2/NDF: 83.7/70

- sign 464.946+/-248.278 χ^2/NDF: 36.4/35

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1152.889+/-0.210 χ^2/NDF:64220.9/18

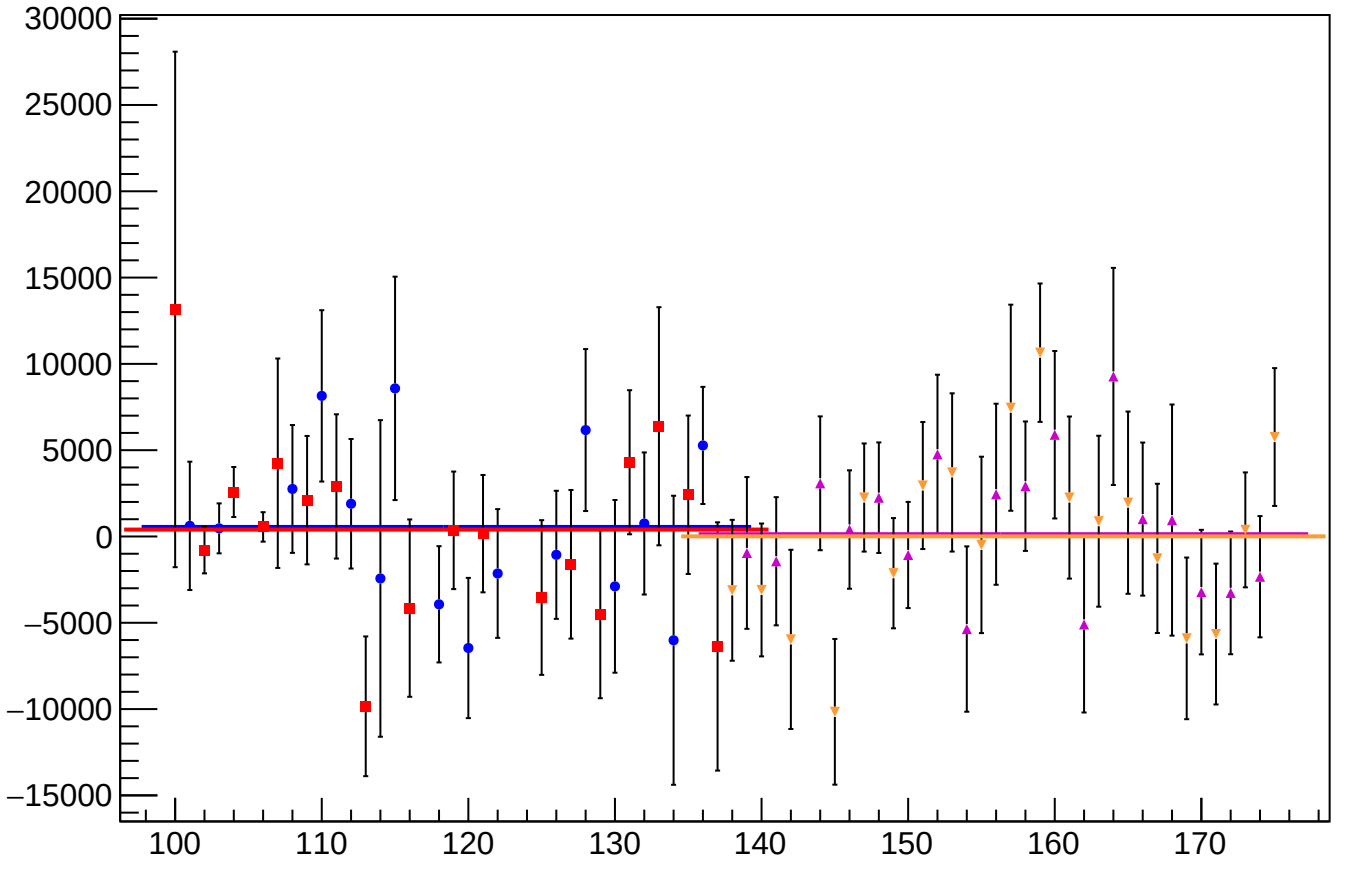
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1150.350+/-0.211 χ^2/NDF:53628.9/17

+ sign 1155.988+/-0.175 χ^2/NDF: 700272.2/34

All: 1156.416+/-0.124 χ^2/NDF: 1088627.3/70

- sign 1156.848+/-0.176 χ^2/NDF: 388343.1/35



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 7.804+/-951.368 χ^2/NDF:25.3/18

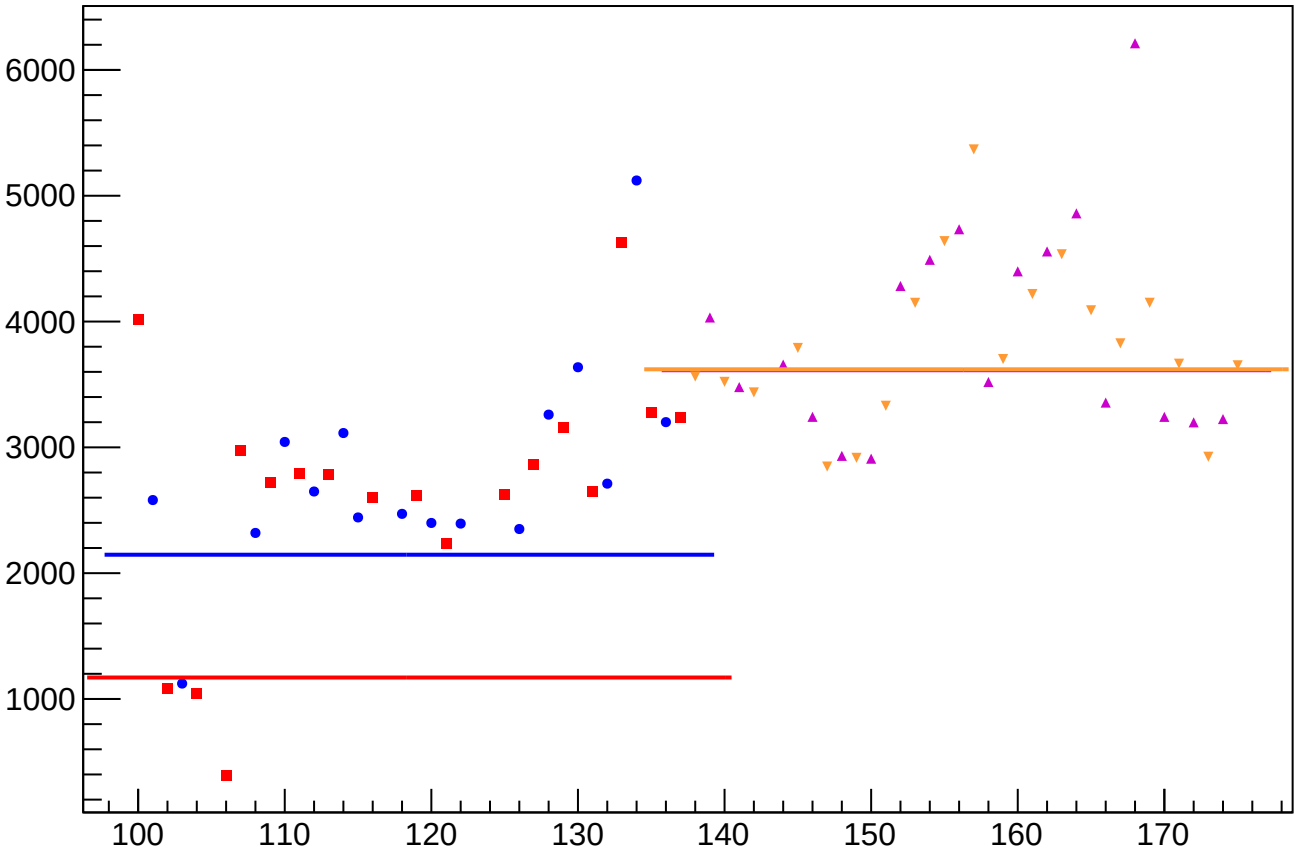
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 131.489+/-956.295 χ^2/NDF:11.4/17

+ sign 303.167+/-643.679 χ^2/NDF: 39.9/34

All: 320.667+/-388.367 χ^2/NDF: 68.0/70

- sign 330.684+/-486.997 χ^2/NDF: 28.1/35



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3620.467+/-0.673 χ^2/NDF:750986.2/18

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

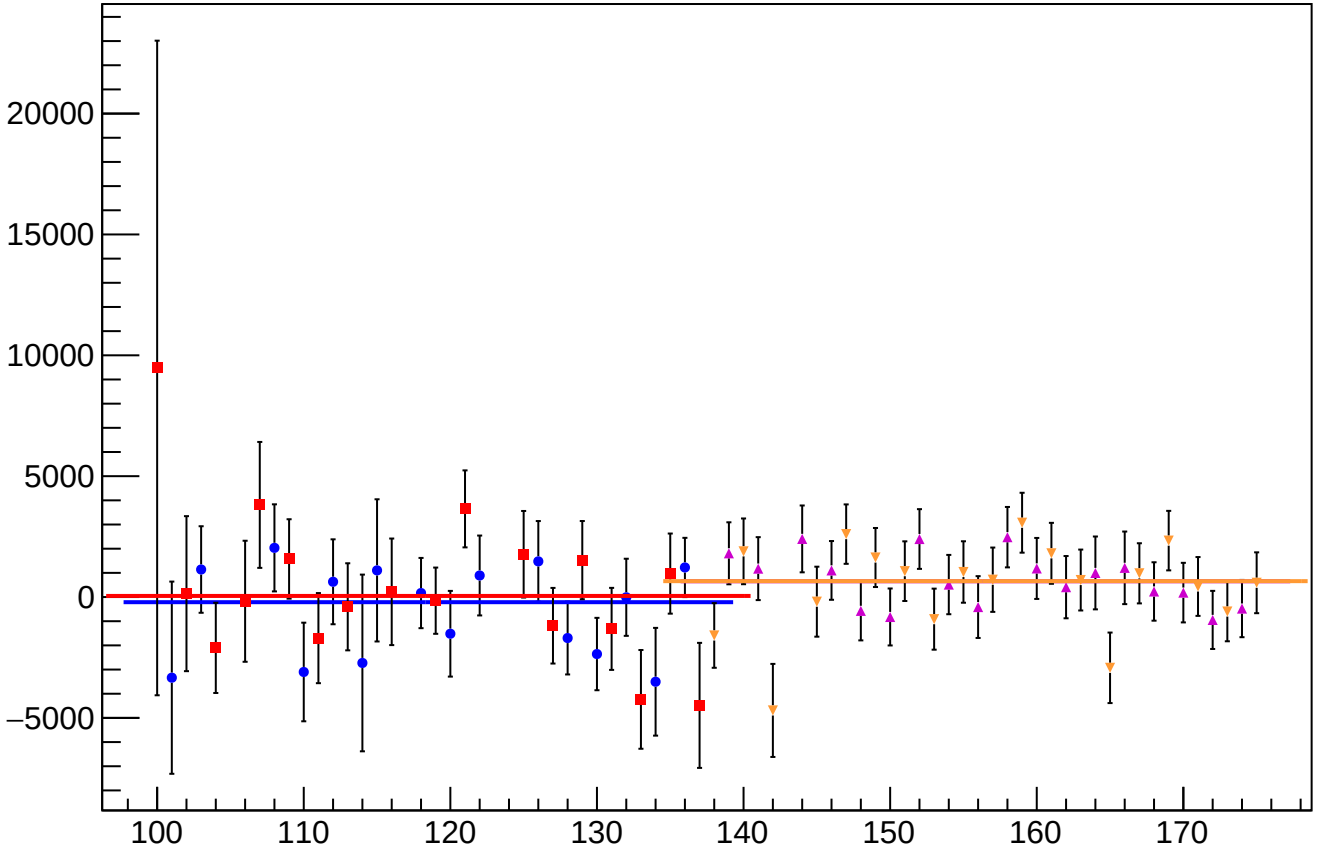
Left In: 3613.079+/-0.676 χ^2/NDF:1021325.9/17

+ sign 2821.292+/-0.455 χ^2/NDF: 5328436.4/34

All: 2174.341+/-0.275 χ^2/NDF: 25007675.1/7

- sign 1804.013+/-0.344 χ^2/NDF: 16502343.9/35

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 657.122+/-297.475 χ^2/NDF:30.3/18

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

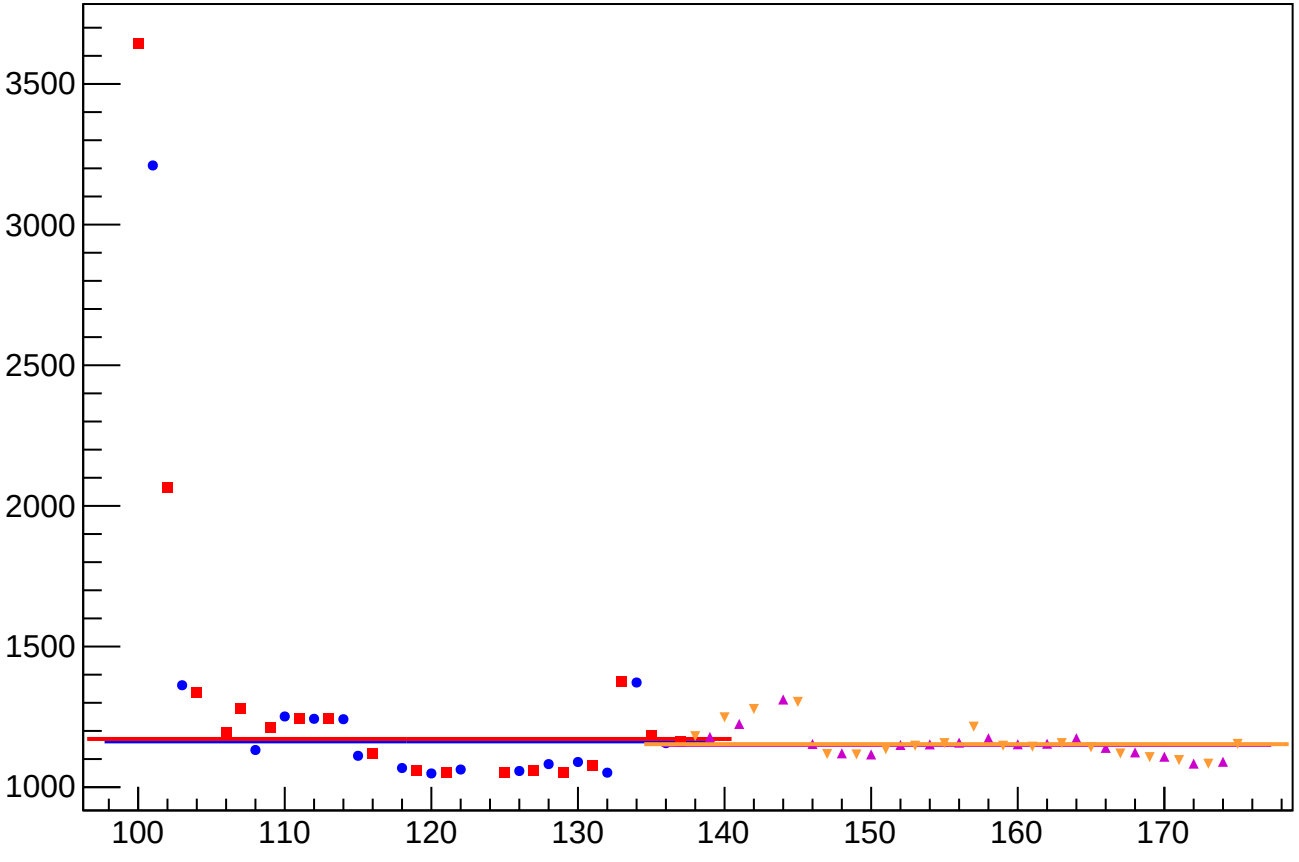
Left In: 651.794+/-298.502 χ^2/NDF:13.5/17

+ sign 386.415+/-246.907 χ^2/NDF: 47.3/34

All: 425.463+/-175.072 χ^2/NDF: 83.7/70

- sign 464.946+/-248.278 χ^2/NDF: 36.4/35

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1152.890+/-0.210 χ^2/NDF:64222.3/18

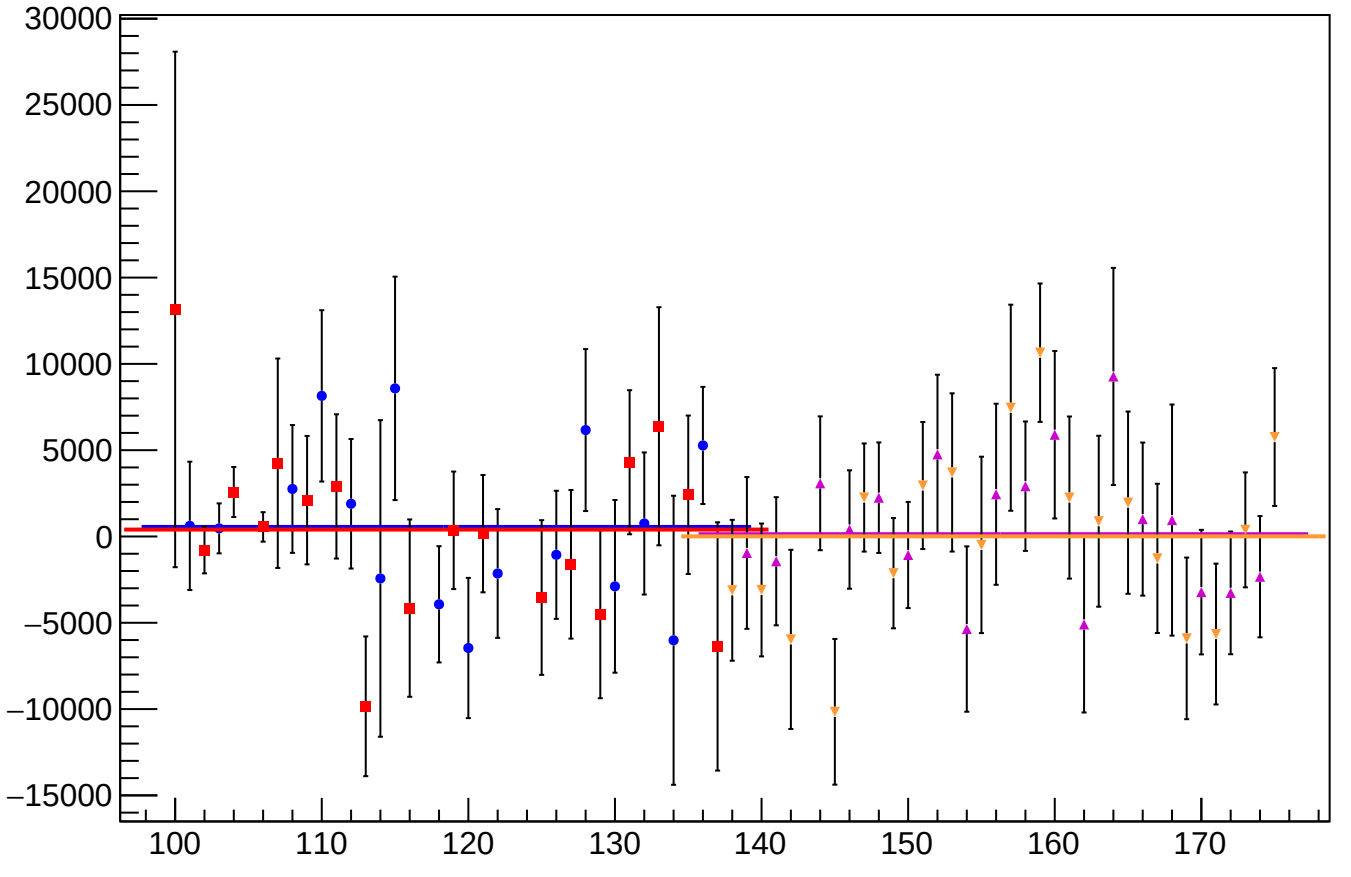
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1150.350+/-0.211 χ^2/NDF:53629.9/17

+ sign 1155.989+/-0.175 χ^2/NDF: 700273.5/34

All: 1156.416+/-0.124 χ^2/NDF: 1088629.2/70

- sign 1156.848+/-0.176 χ^2/NDF: 388343.6/35



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 7.803+/-951.369 χ^2/NDF:25.3/18

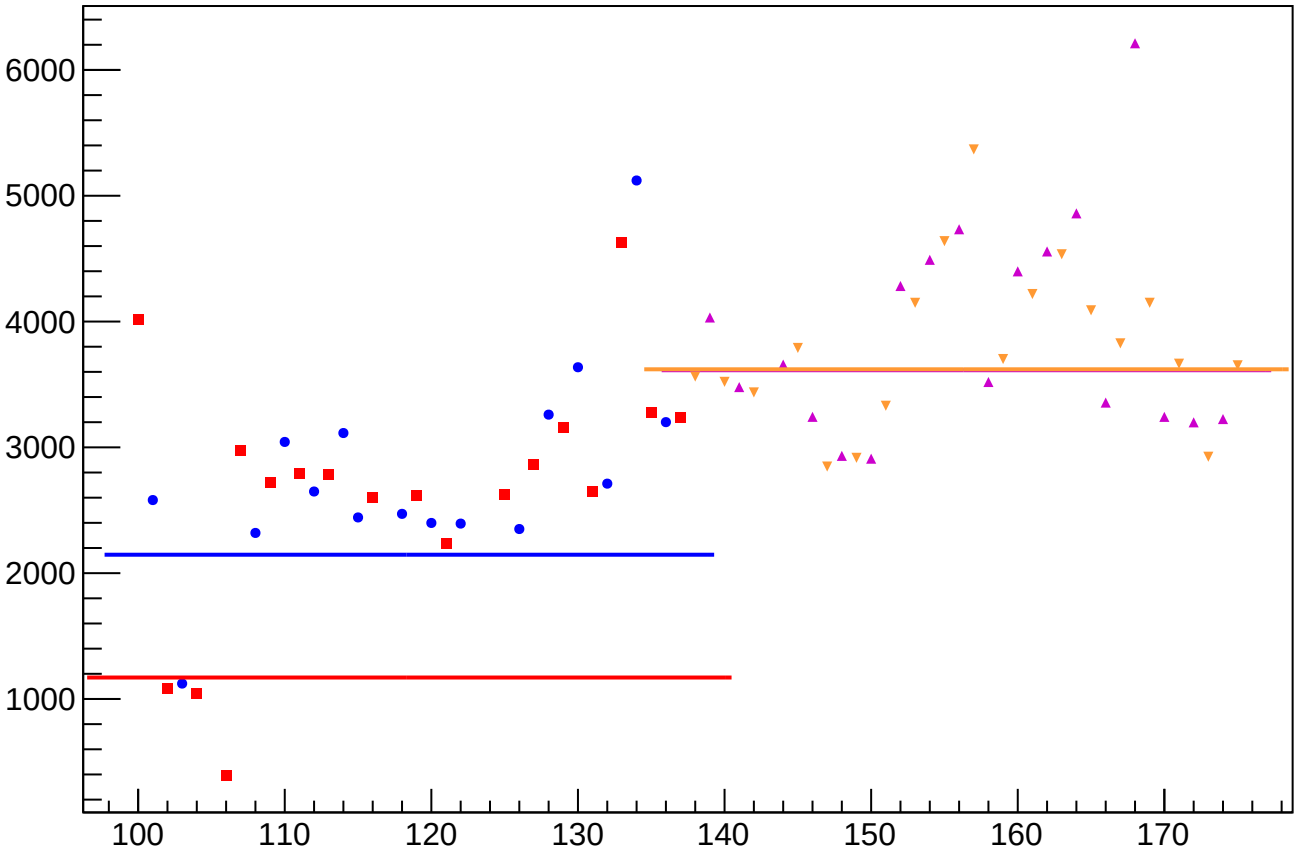
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 131.487+/-956.296 χ^2/NDF:11.4/17

+ sign 303.164+/-643.679 χ^2/NDF: 39.9/34

All: 320.667+/-388.365 χ^2/NDF: 68.0/70

- sign 330.686+/-486.993 χ^2/NDF: 28.1/35



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3620.472+/-0.673 χ^2/NDF:750986.9/18

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

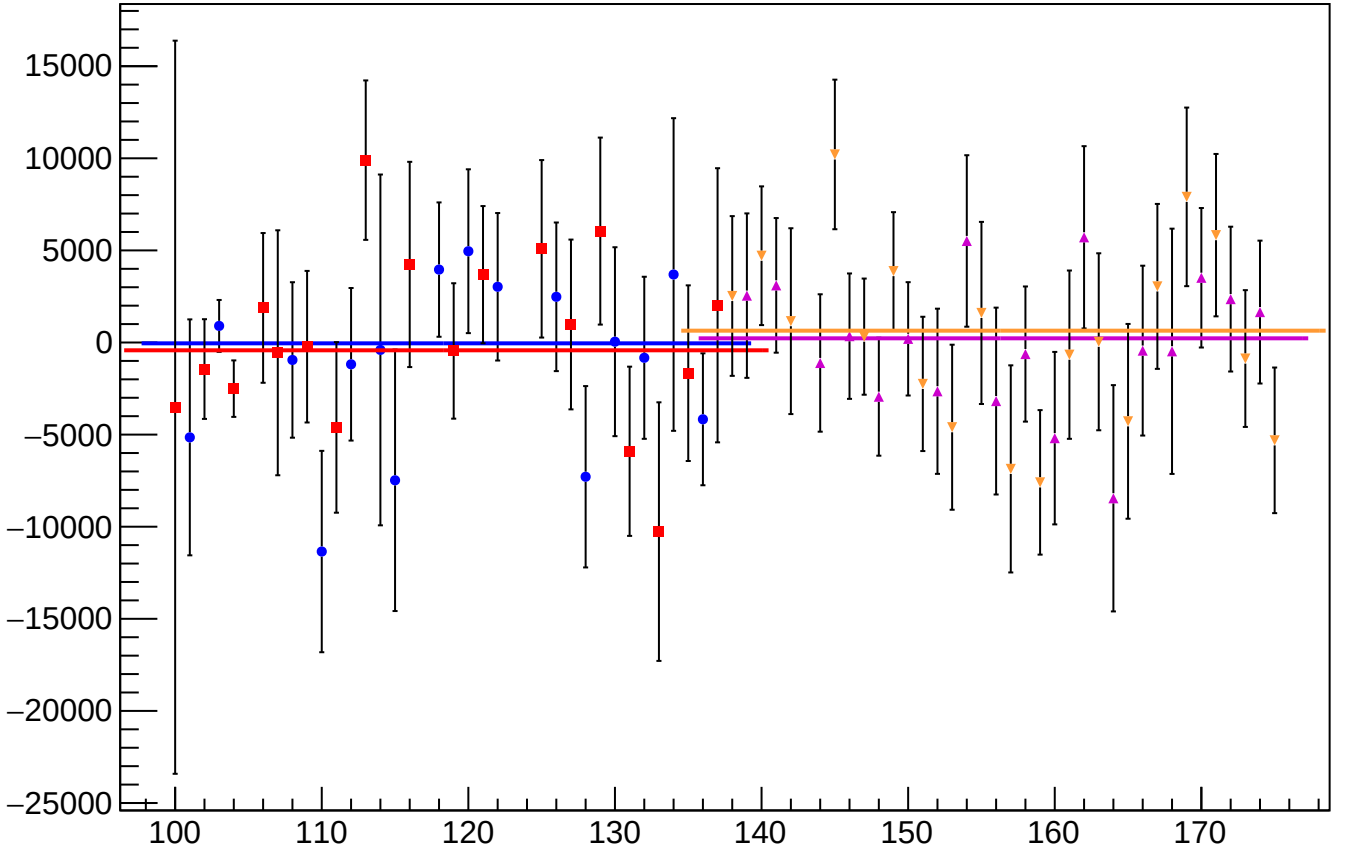
Left In: 3613.083+/-0.676 χ^2/NDF:1021327.6/17

+ sign 2821.290+/-0.455 χ^2/NDF: 5328462.0/34

All: 2174.318+/-0.275 χ^2/NDF: 25008279.1/7

- sign 1803.985+/-0.344 χ^2/NDF: 16502733.2/35

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 642.227+/-956.907 χ^2/NDF:23.5/18

Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

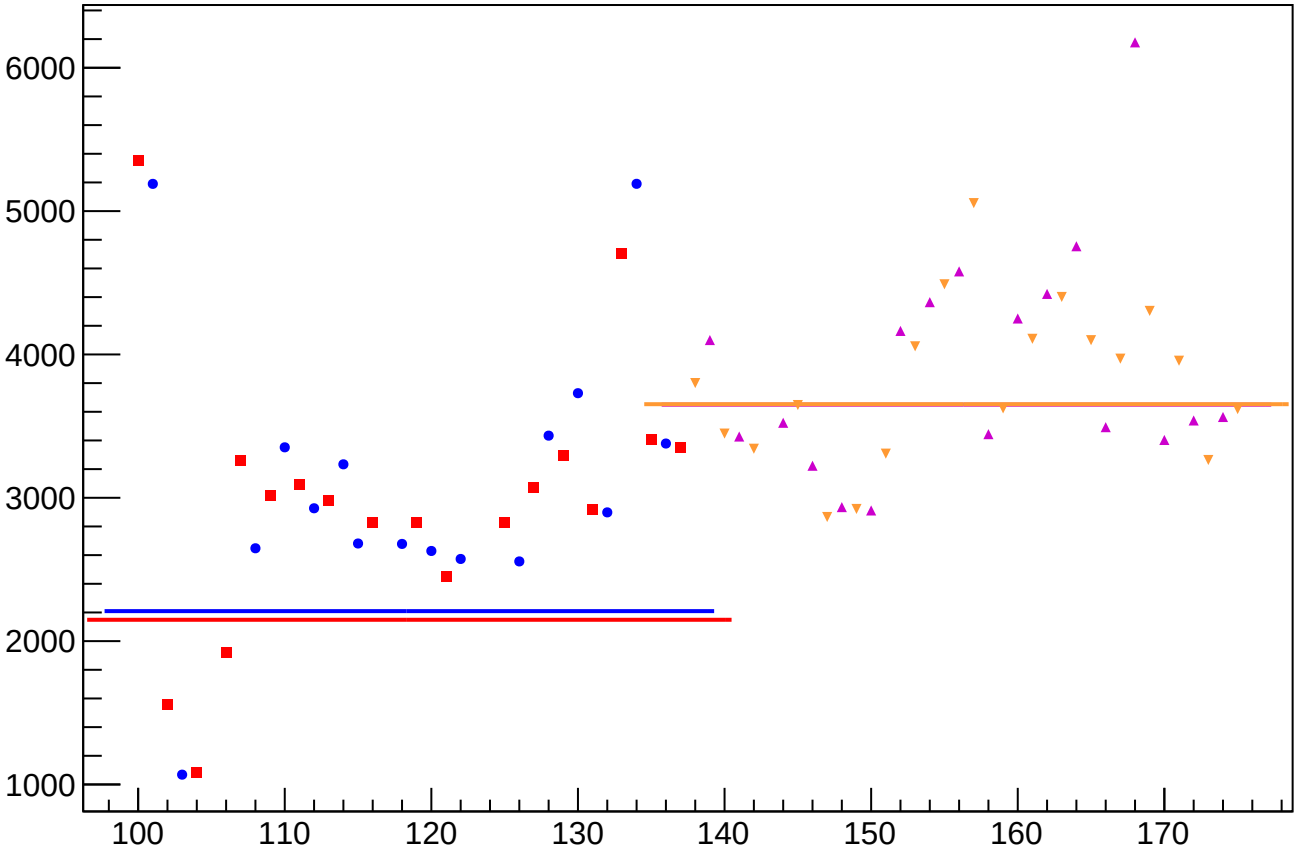
Left In: 226.936+/-962.719 χ^2/NDF:10.0/17

+ sign 285.445+/-663.478 χ^2/NDF: 37.5/34

All: 79.811+/-466.547 χ^2/NDF: 65.3/70

- sign -121.321+/-656.176 χ^2/NDF: 27.6/35

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3652.993+/-0.677 χ^2/NDF:621307.9/18

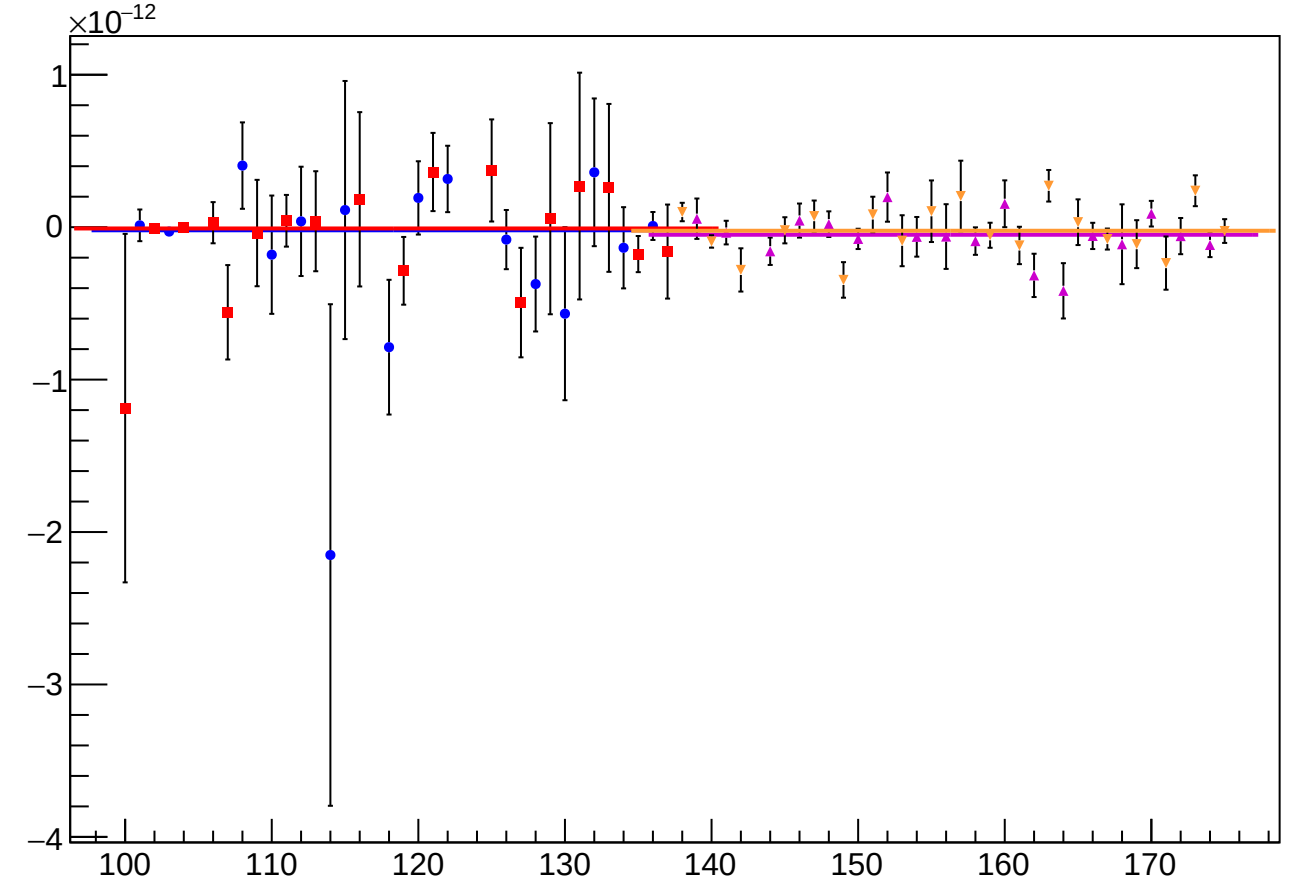
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3649.602+/-0.681 χ^2/NDF:871269.3/17

+ sign 2903.368+/-0.469 χ^2/NDF: 5821891.1/34

All: 2873.471+/-0.330 χ^2/NDF: 11578610.6/7

- sign 2844.303+/-0.463 χ^2/NDF: 5748696.4/35



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.4/18

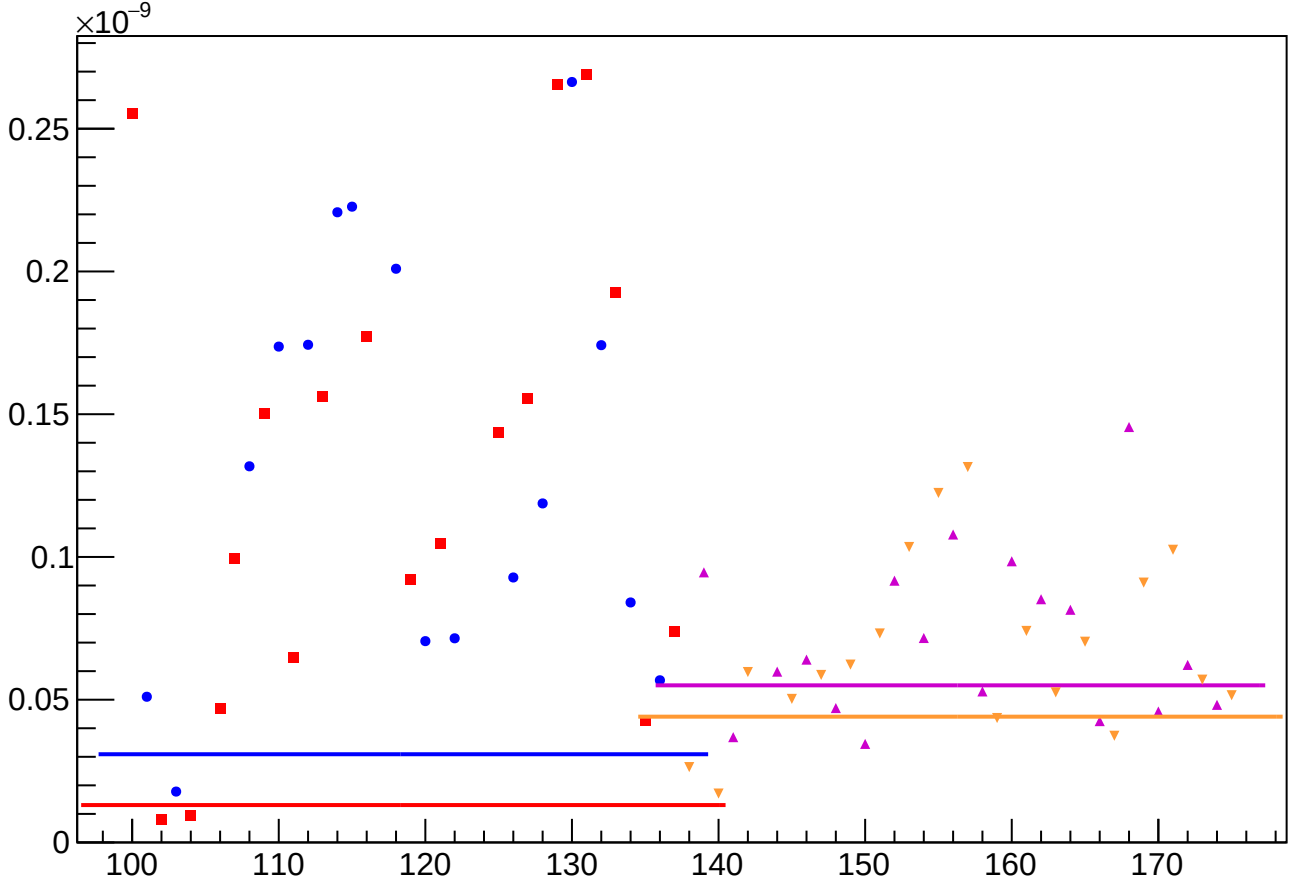
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:19.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 53.1/34

All: -0.000+/-0.000 χ^2/NDF: 88.3/70

- sign -0.000+/-0.000 χ^2/NDF: 35.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2797365.3/18

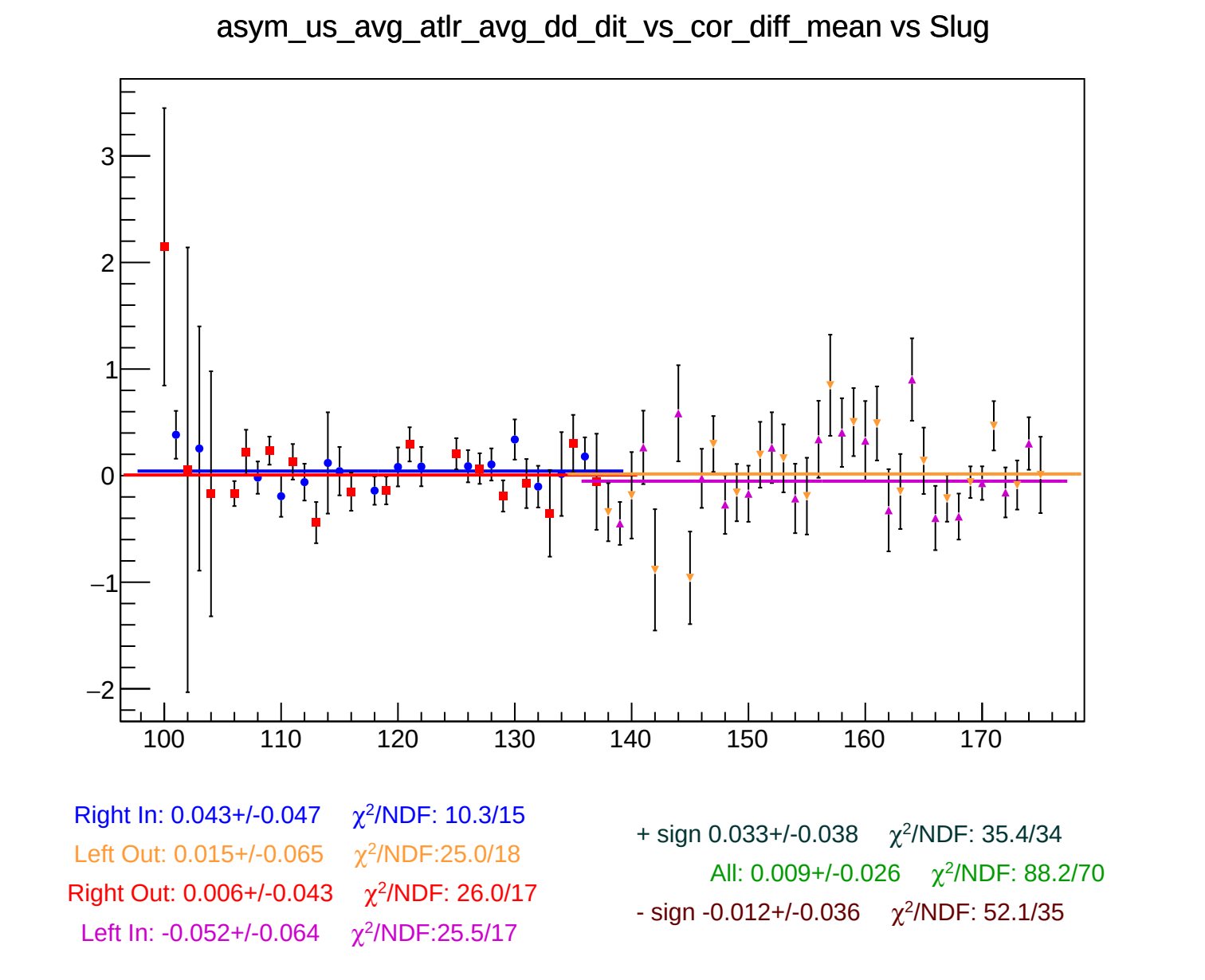
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1394301.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 6114257.2/34

All: 0.000+/-0.000 χ^2/NDF: 16435291.5/70

- sign 0.000+/-0.000 χ^2/NDF: 9356811.0/35


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
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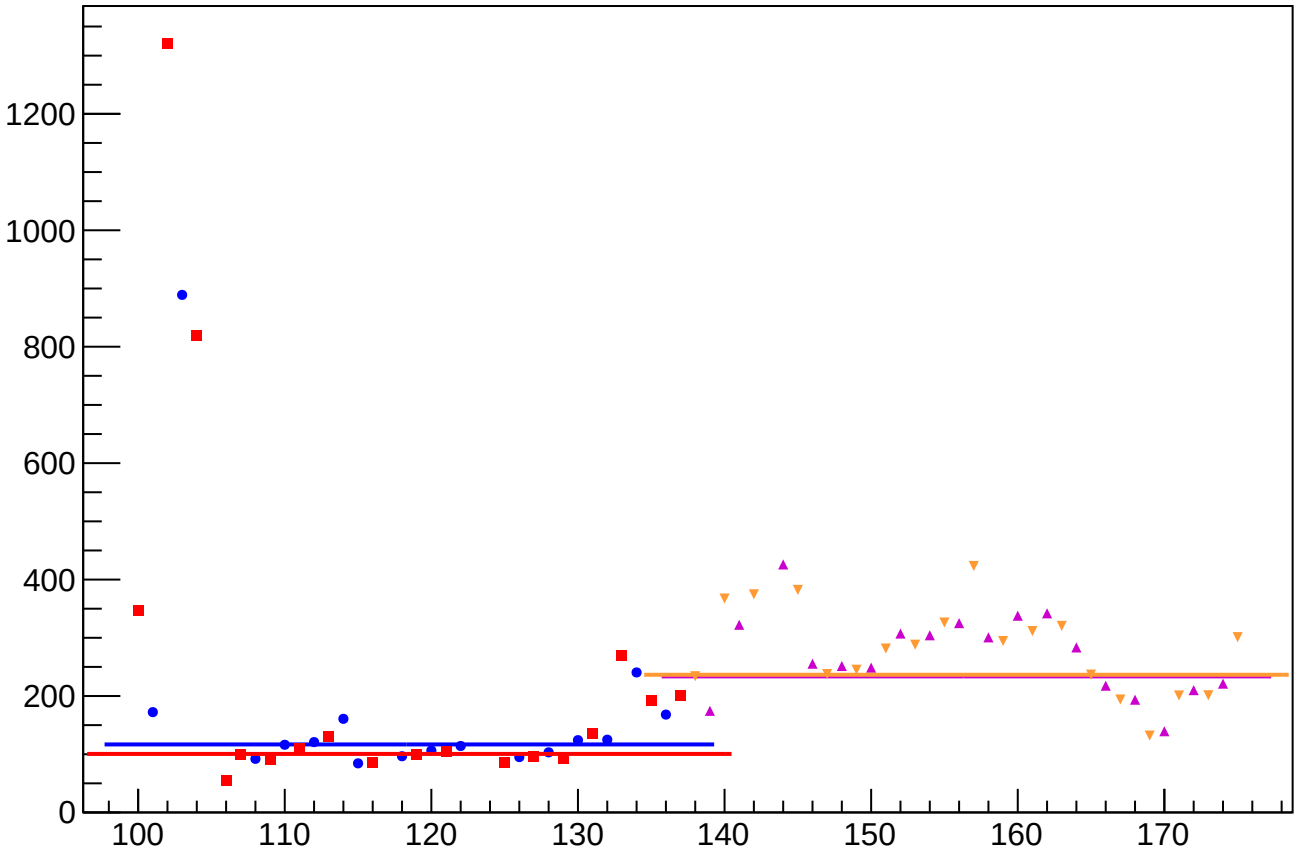
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.015+/-0.065 χ²/NDF:25.0/18
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.052+/-0.064 χ²/NDF:25.5/17
+ sign 0.033+/-0.038 χ²/NDF: 35.4/34
All: 0.009+/-0.026 χ²/NDF: 88.2/70
- sign -0.012+/-0.036 χ²/NDF: 52.1/35



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 236.507+/-0.046 χ^2/NDF:2584231.7/18

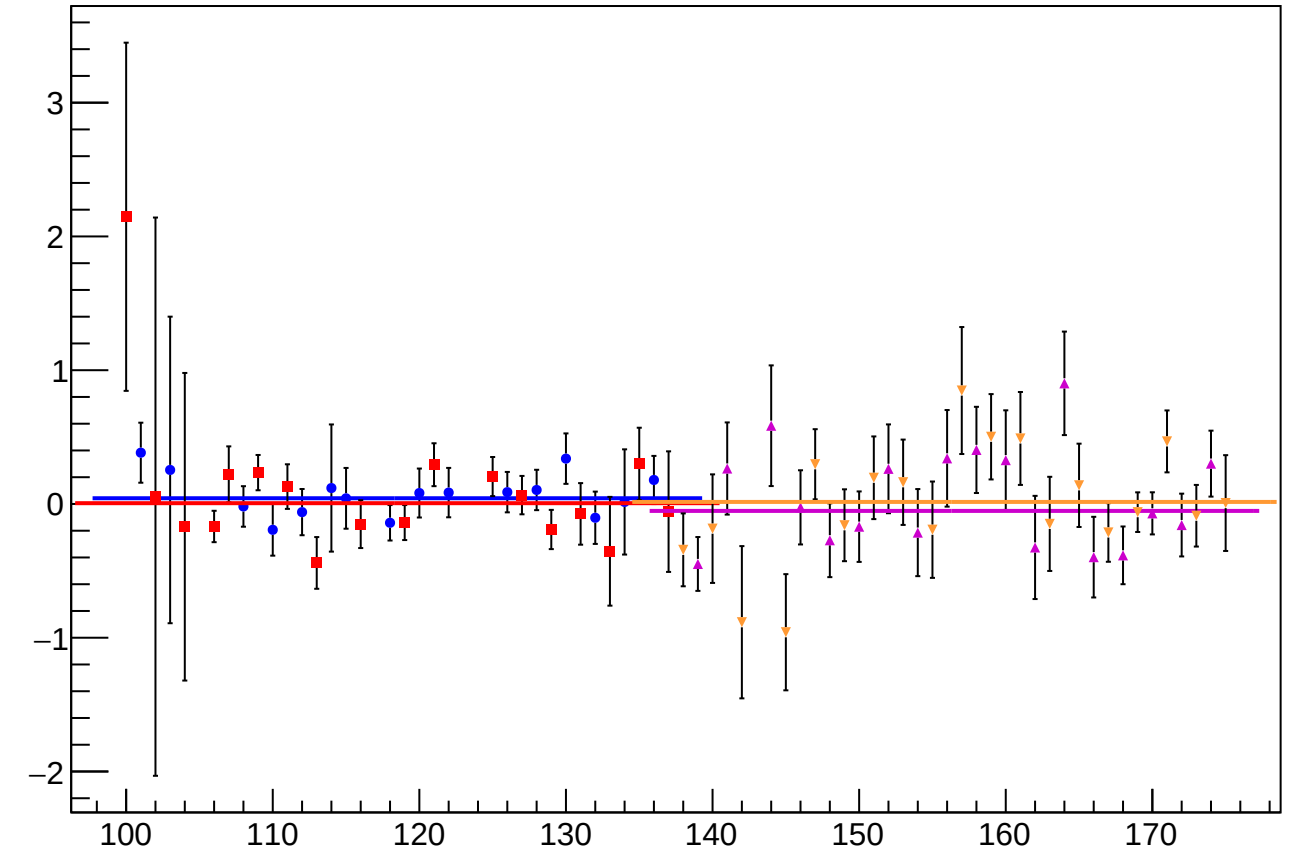
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 233.689+/-0.045 χ^2/NDF:2266284.7/17

+ sign 158.491+/-0.027 χ^2/NDF: 8629481.9/34

All: 149.855+/-0.019 χ^2/NDF: 19653082.0/70

- sign 142.256+/-0.025 χ^2/NDF: 10832670.8/35


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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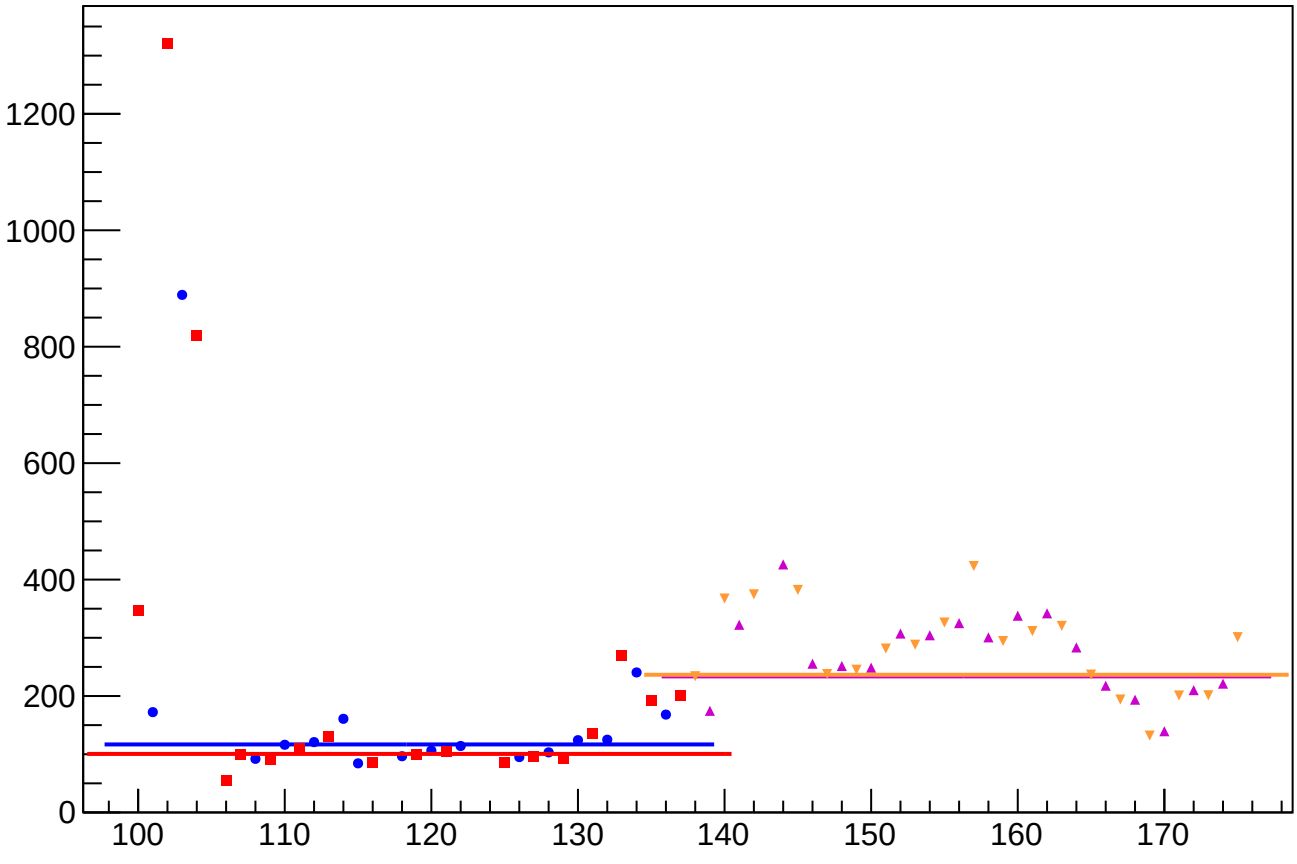
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.015+/-0.065 χ²/NDF:25.0/18
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.052+/-0.064 χ²/NDF:25.5/17
+ sign 0.033+/-0.038 χ²/NDF: 35.4/34
All: 0.009+/-0.026 χ²/NDF: 88.2/70
- sign -0.012+/-0.036 χ²/NDF: 52.1/35



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 236.507+/-0.046 χ^2/NDF:2584231.7/18

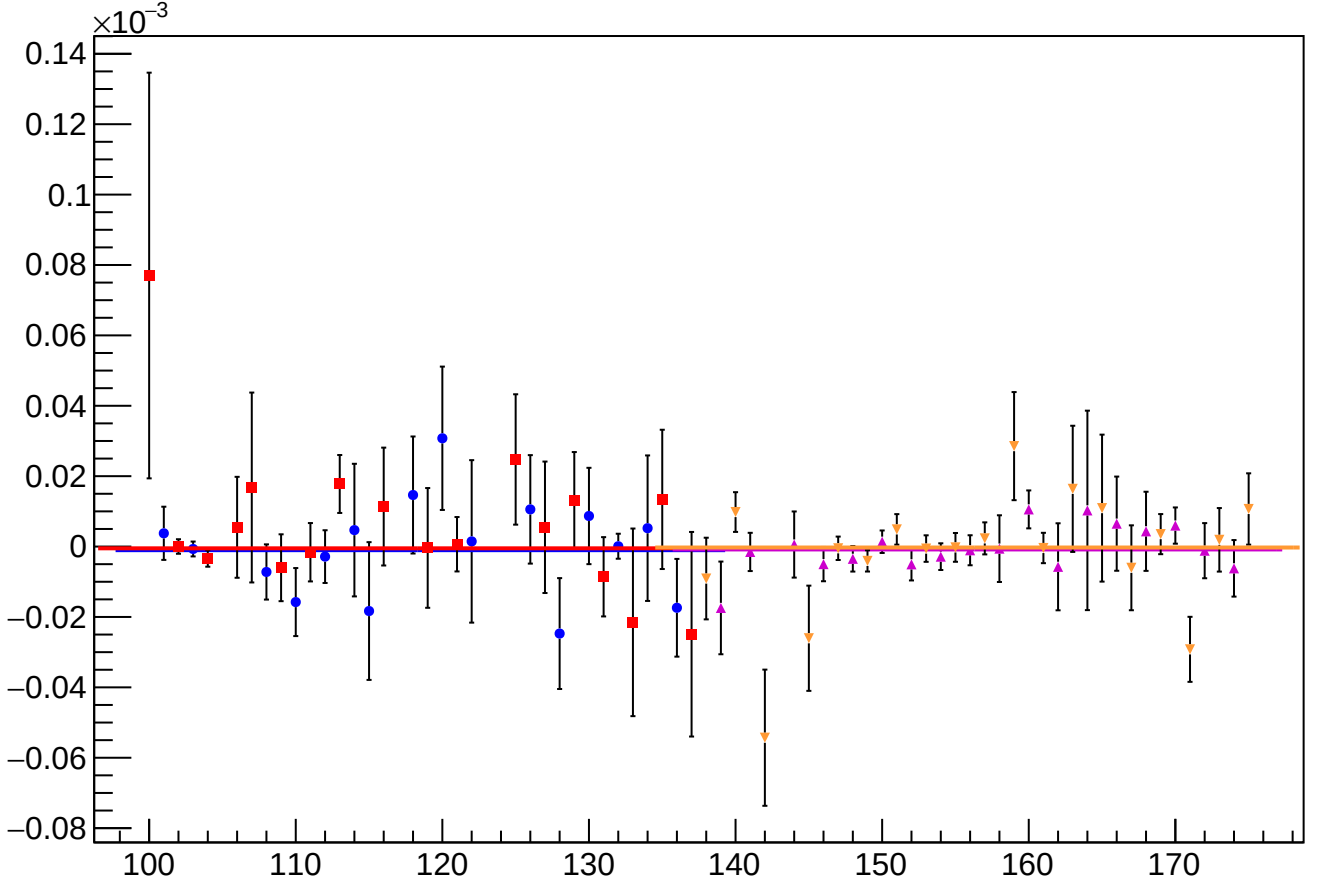
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 233.689+/-0.045 χ^2/NDF:2266284.7/17

+ sign 158.491+/-0.027 χ^2/NDF: 8629481.9/34

All: 149.855+/-0.019 χ^2/NDF: 19653082.0/70

- sign 142.256+/-0.025 χ^2/NDF: 10832670.8/35



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.2/18

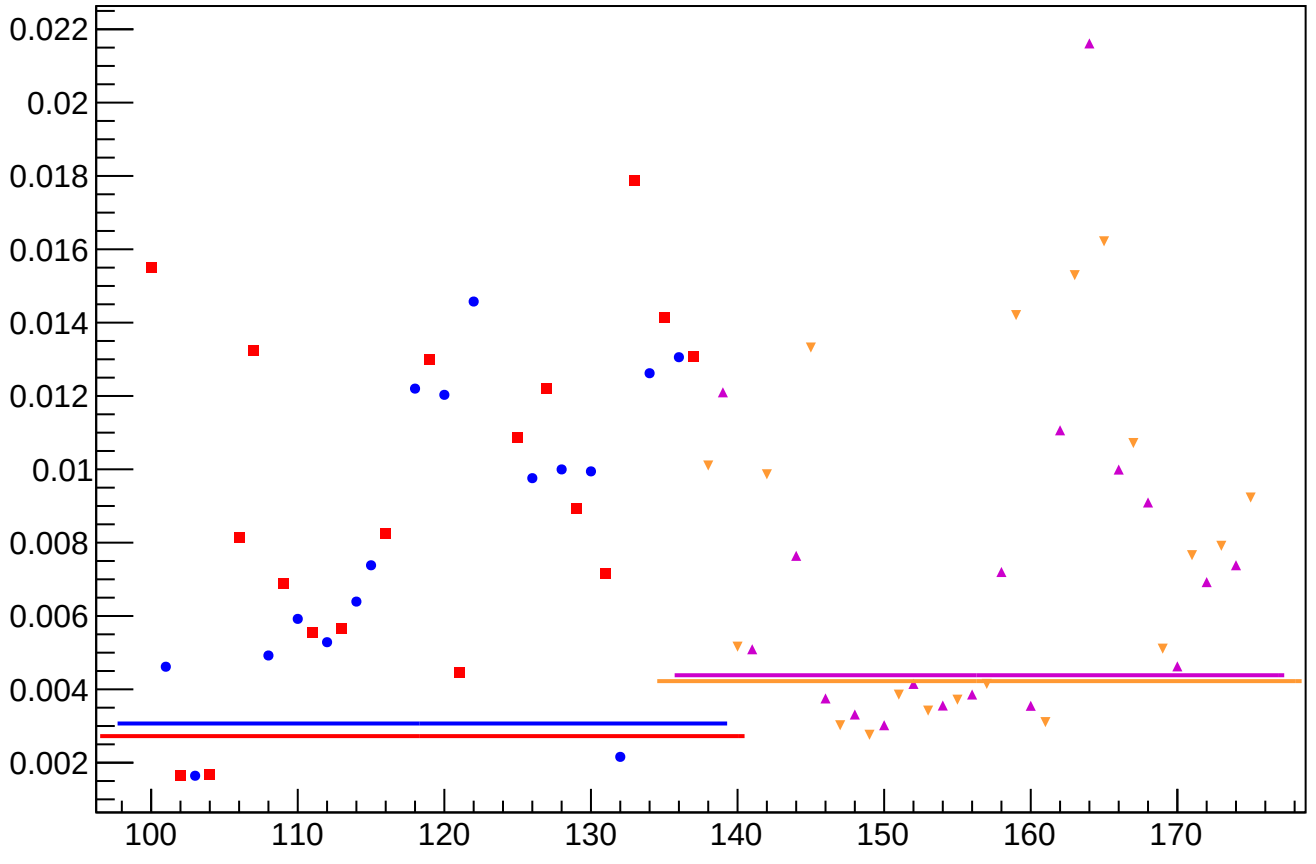
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:12.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 46.9/34

All: -0.000+/-0.000 χ^2/NDF: 74.0/70

- sign -0.000+/-0.000 χ^2/NDF: 27.1/35



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:6476718.4/18

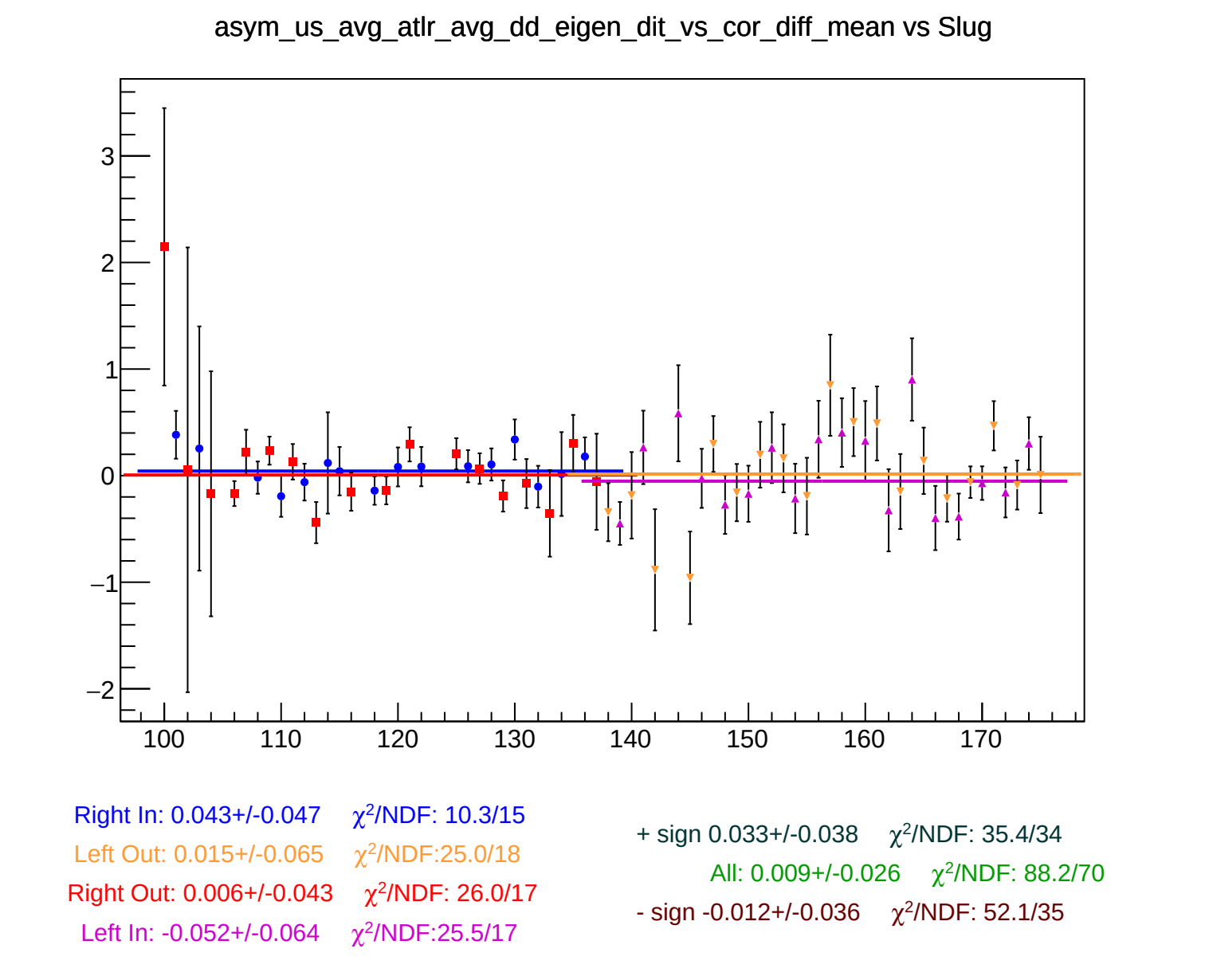
Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:4407572.7/17

+ sign 0.004+/-0.000 χ^2/NDF: 13087100.9/34

All: 0.004+/-0.000 χ^2/NDF: 25732109.1/70

- sign 0.004+/-0.000 χ^2/NDF: 12616421.0/35


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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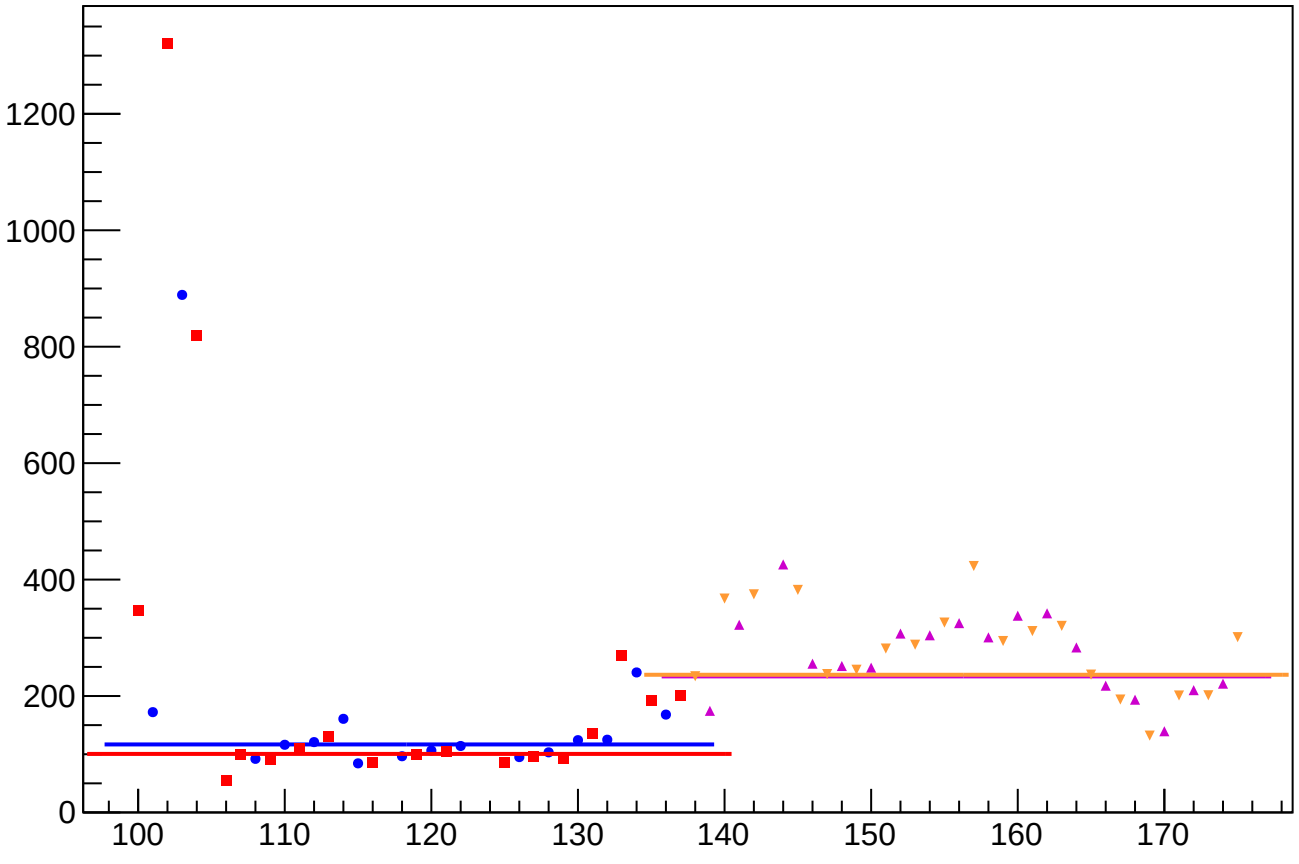
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.015+/-0.065 χ²/NDF:25.0/18
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.052+/-0.064 χ²/NDF:25.5/17
+ sign 0.033+/-0.038 χ²/NDF: 35.4/34
All: 0.009+/-0.026 χ²/NDF: 88.2/70
- sign -0.012+/-0.036 χ²/NDF: 52.1/35



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 236.507+/-0.046 χ^2/NDF:2584342.0/18

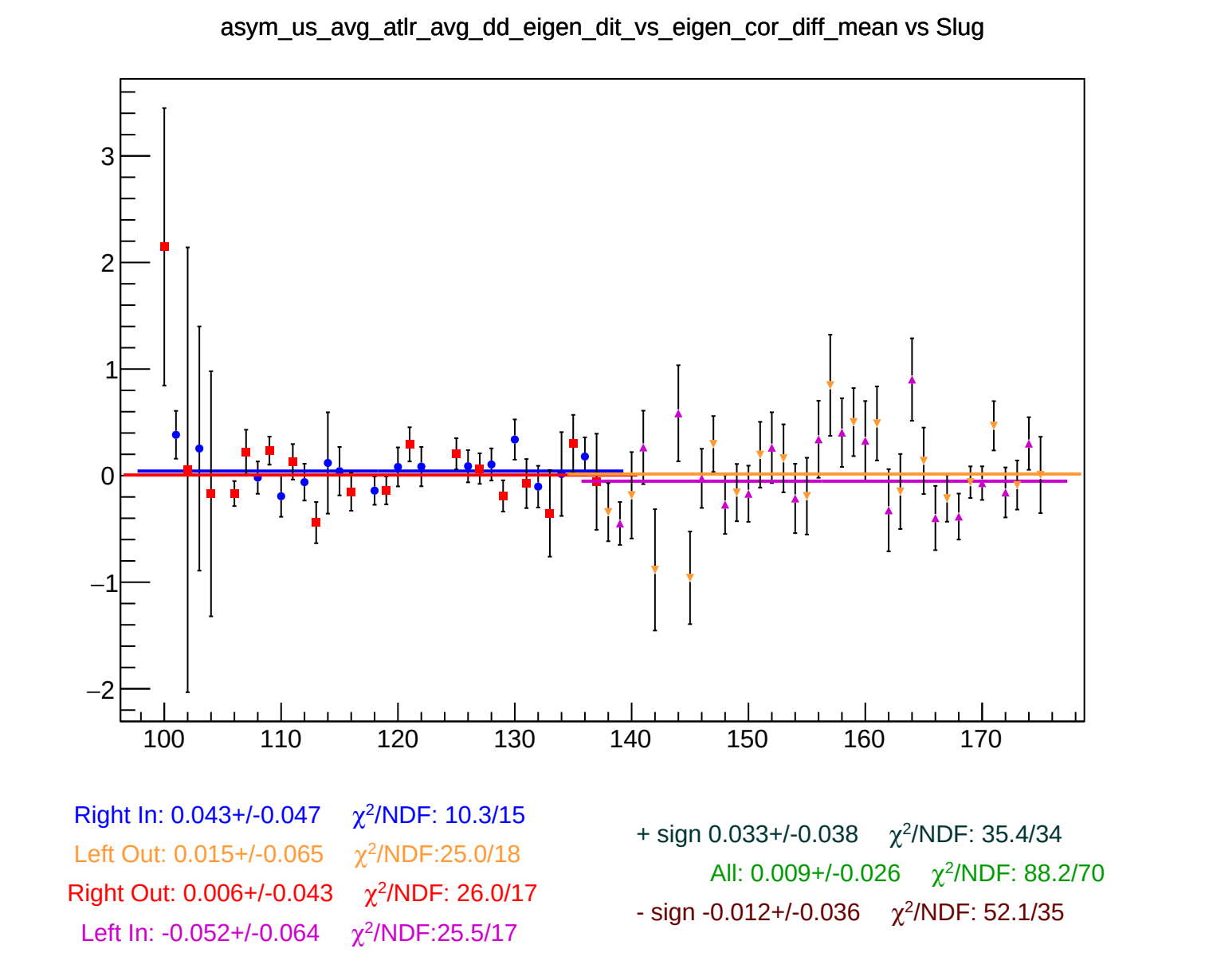
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 233.690+/-0.045 χ^2/NDF:2266313.2/17

+ sign 158.491+/-0.027 χ^2/NDF: 8629599.6/34

All: 149.854+/-0.019 χ^2/NDF: 19653503.0/70

- sign 142.255+/-0.025 χ^2/NDF: 10832956.0/35


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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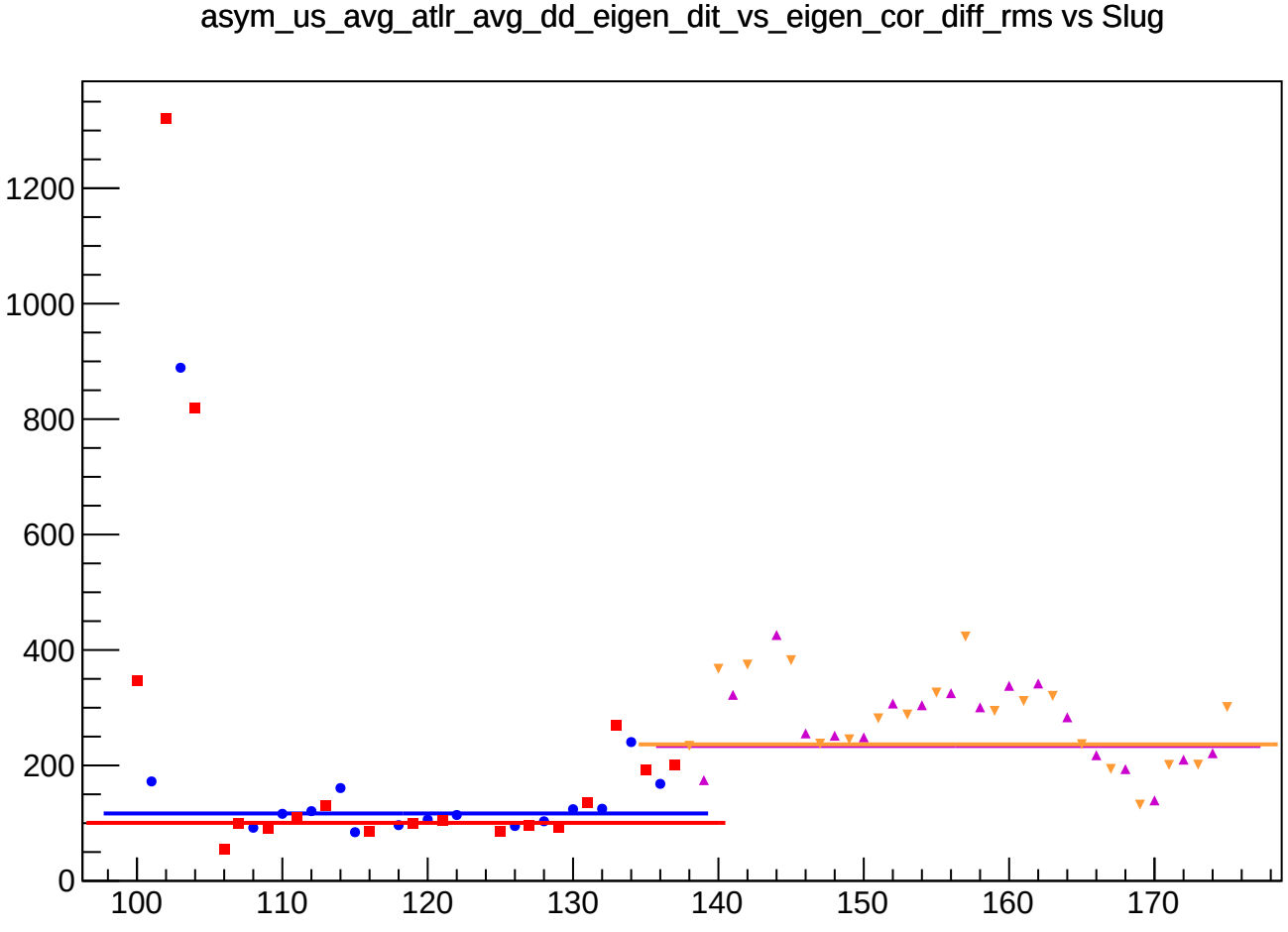
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.015+/-0.065 χ²/NDF:25.0/18
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.052+/-0.064 χ²/NDF:25.5/17
+ sign 0.033+/-0.038 χ²/NDF: 35.4/34
All: 0.009+/-0.026 χ²/NDF: 88.2/70
- sign -0.012+/-0.036 χ²/NDF: 52.1/35



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 236.507+/-0.046 χ^2/NDF:2584342.0/18

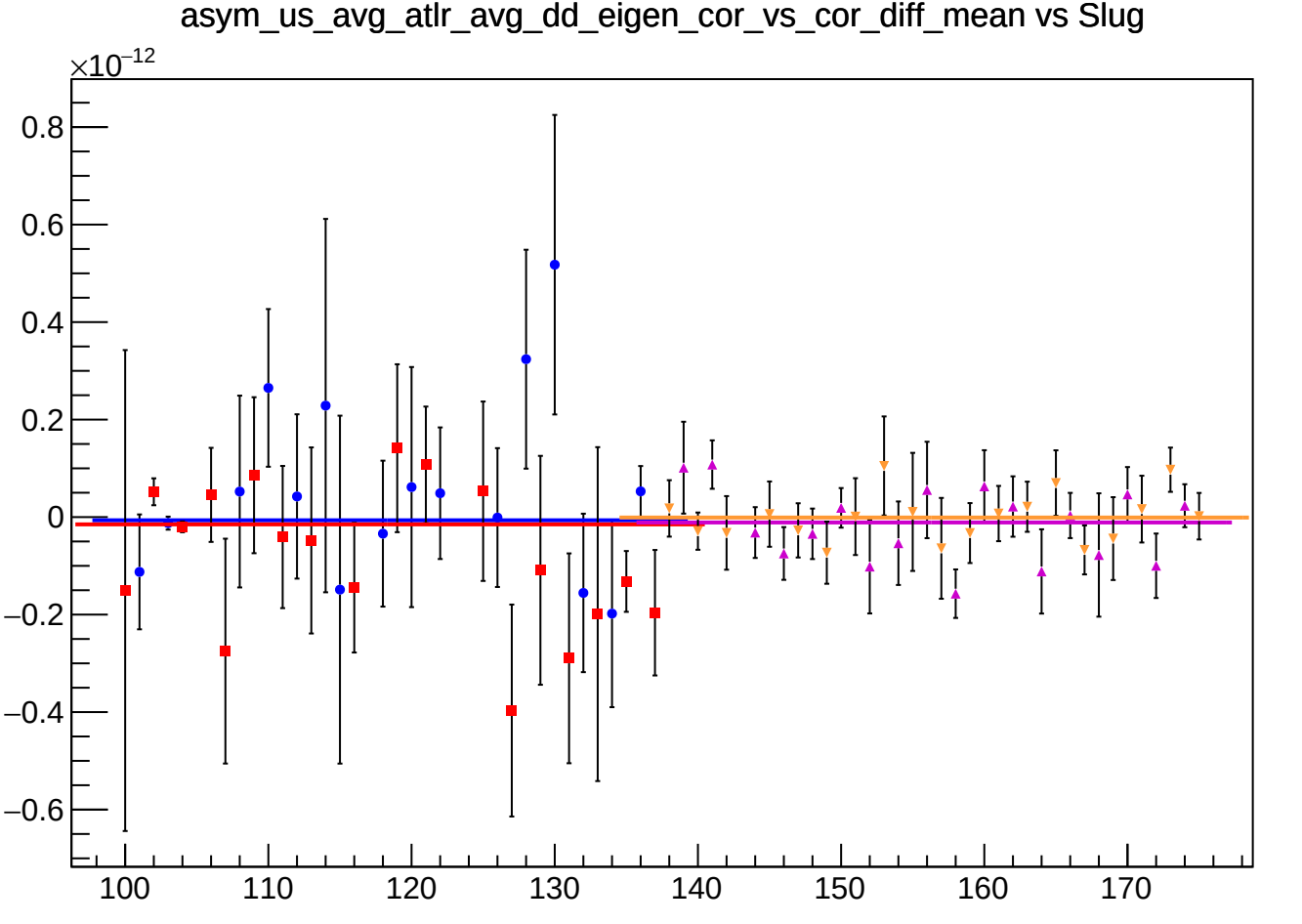
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

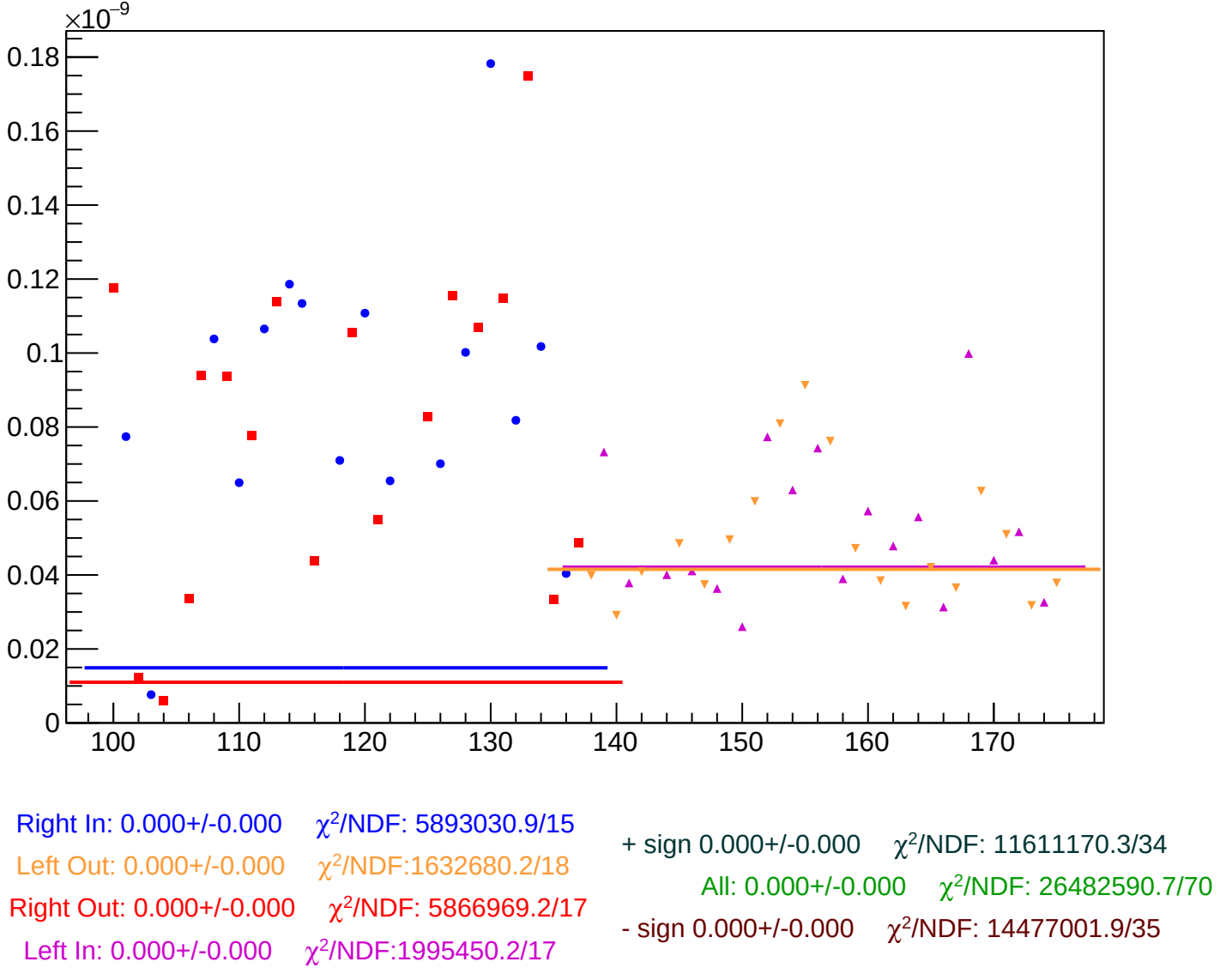
Left In: 233.690+/-0.045 χ^2/NDF:2266313.2/17

+ sign 158.491+/-0.027 χ^2/NDF: 8629599.6/34

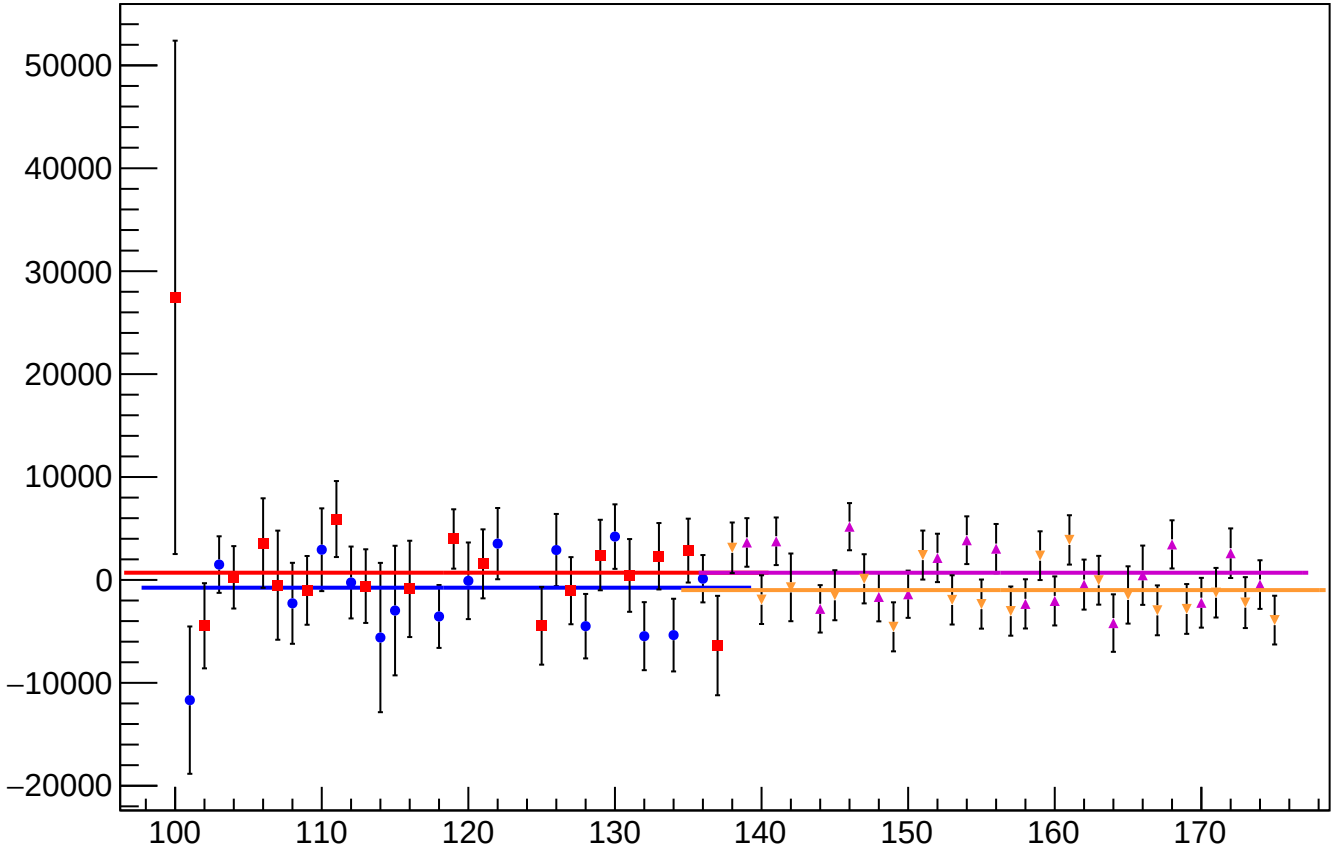
All: 149.854+/-0.019 χ^2/NDF: 19653503.0/70

- sign 142.255+/-0.025 χ^2/NDF: 10832956.0/35


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:12.1/18
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: -0.000+/-0.000 χ²/NDF:26.1/17
+ sign -0.000+/-0.000 χ²/NDF: 25.2/34
All: -0.000+/-0.000 χ²/NDF: 73.9/70
- sign -0.000+/-0.000 χ²/NDF: 48.1/35


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1632680.2/18
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:1995450.2/17
+ sign 0.000+/-0.000 χ²/NDF: 11611170.3/34
All: 0.000+/-0.000 χ²/NDF: 26482590.7/70
- sign 0.000+/-0.000 χ²/NDF: 14477001.9/35

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -987.829+/-561.391 χ^2/NDF:18.0/18

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

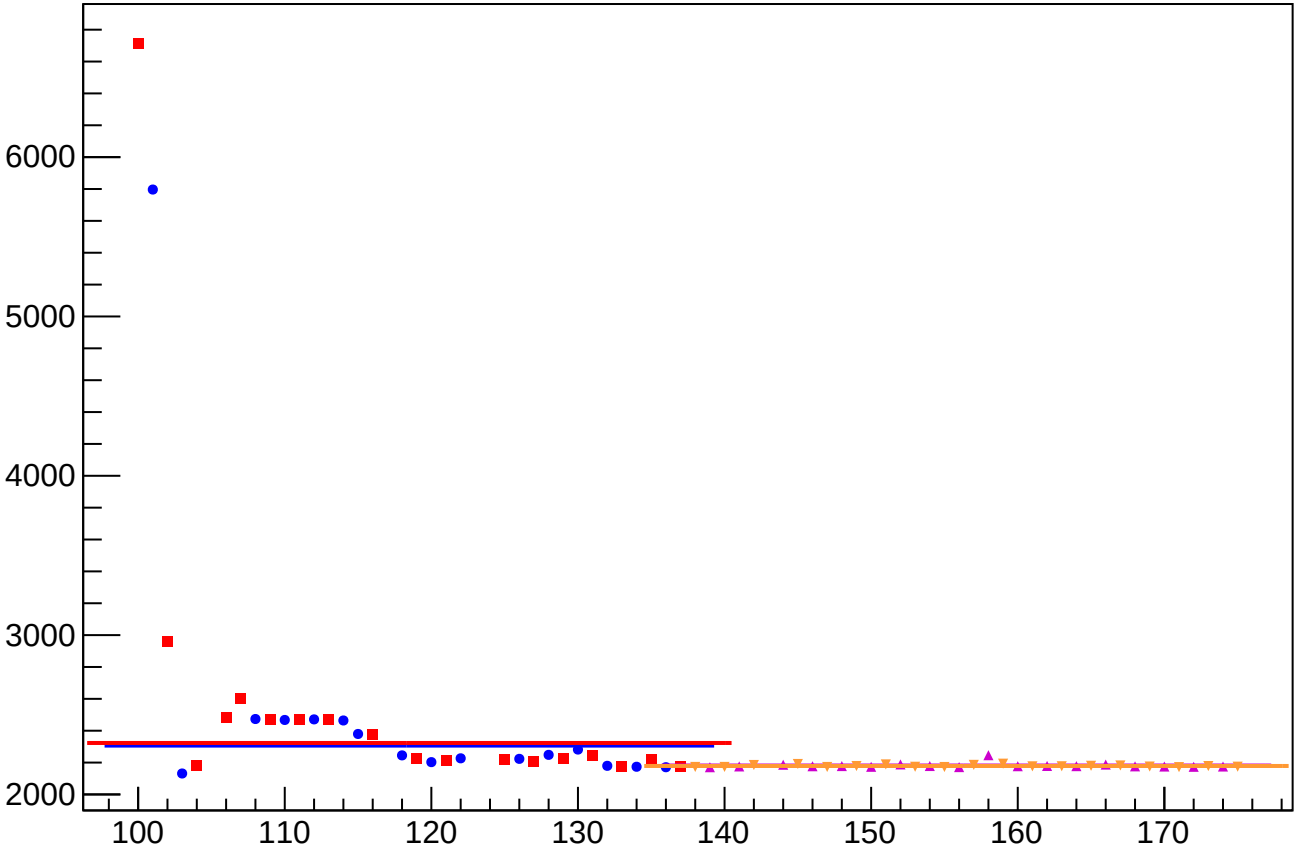
Left In: 698.112+/-565.492 χ^2/NDF:24.3/17

+ sign -919.469+/-472.132 χ^2/NDF: 34.0/34

All: -113.123+/-334.476 χ^2/NDF: 76.5/70

- sign 699.328+/-473.915 χ^2/NDF: 36.7/35

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.692+/-0.397 χ^2/NDF:282.2/18

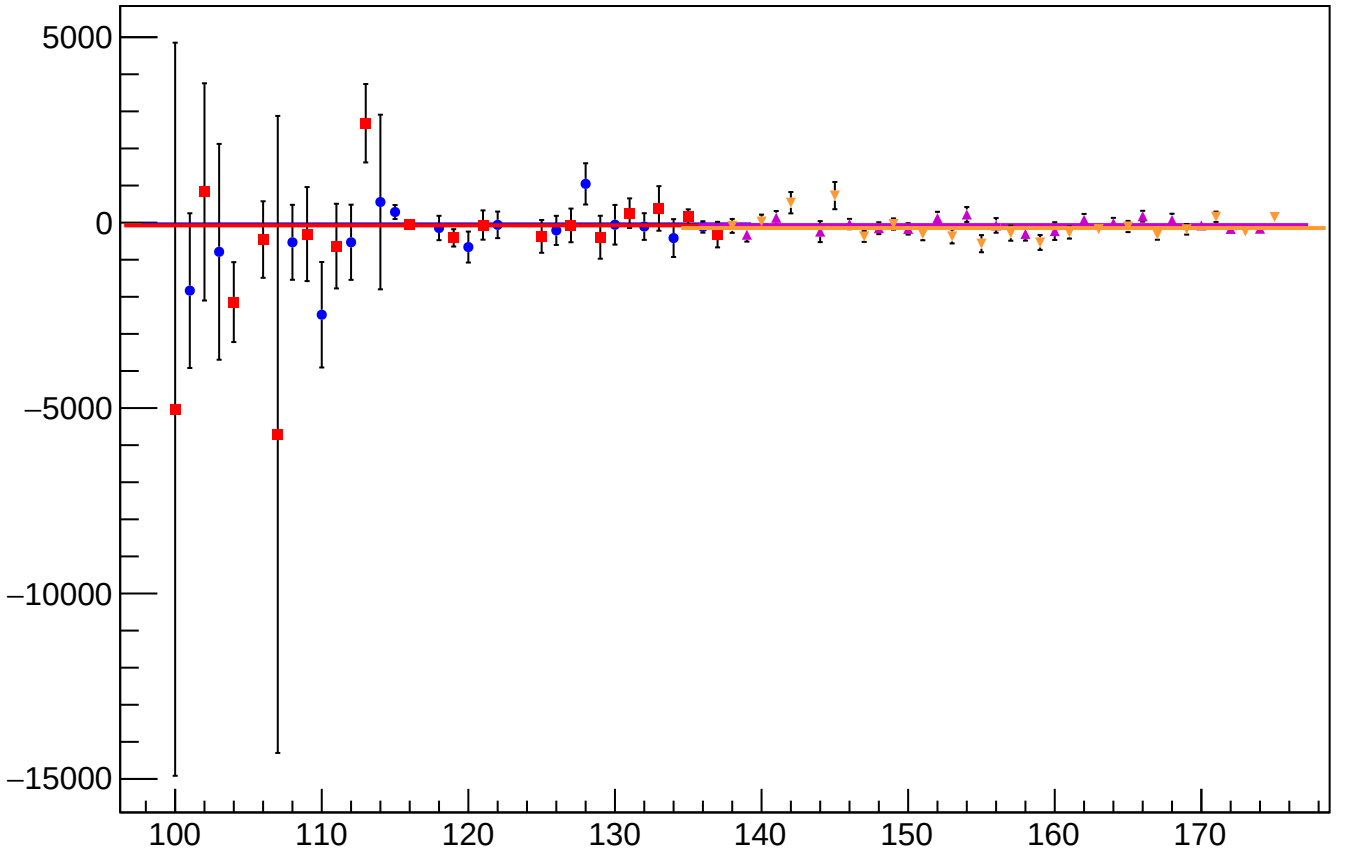
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2181.522+/-0.400 χ^2/NDF:1699.6/17

+ sign 2216.145+/-0.334 χ^2/NDF: 544843.7/34

All: 2219.877+/-0.237 χ^2/NDF: 735849.4/70

- sign 2223.637+/-0.335 χ^2/NDF: 190754.8/35



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -145.947+/-36.727 χ^2/NDF:39.4/18

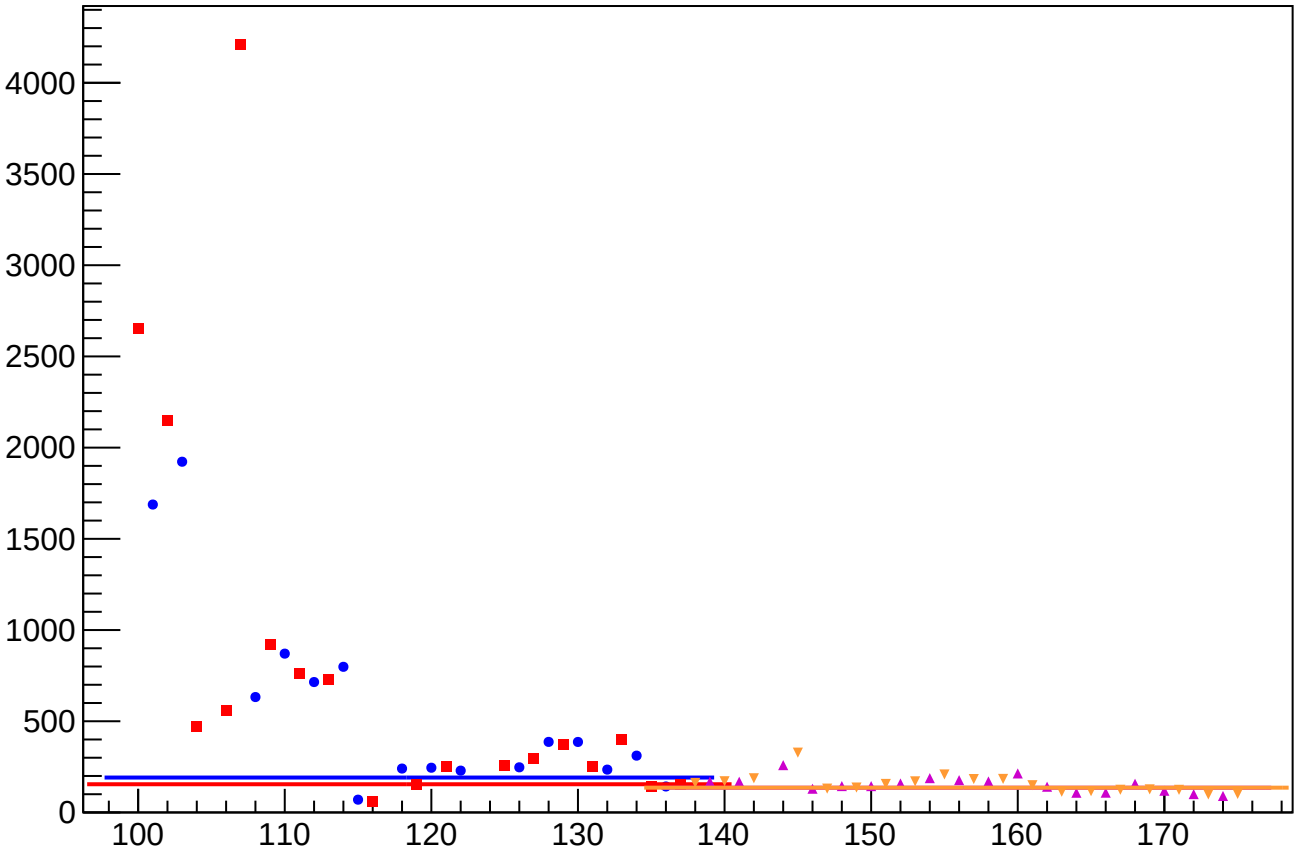
Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: -66.874+/-36.930 χ^2/NDF:15.5/17

+ sign -132.195+/-34.053 χ^2/NDF: 54.8/34

All: -99.812+/-23.953 χ^2/NDF: 89.7/70

- sign -68.100+/-33.699 χ^2/NDF: 33.2/35



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 135.903+/-0.026 χ^2/NDF:1771540.5/18

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

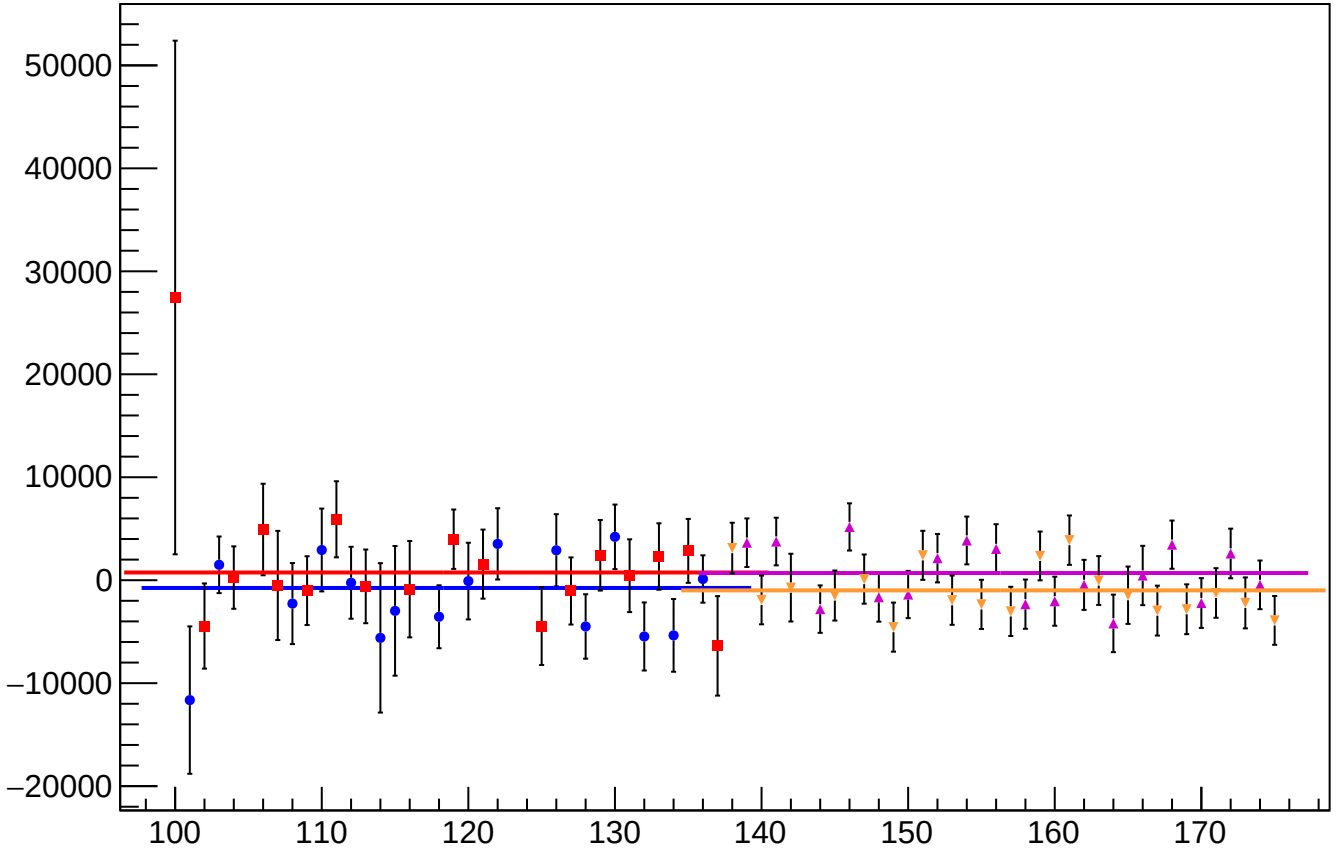
Left In: 135.401+/-0.026 χ^2/NDF:1865418.4/17

+ sign 143.687+/-0.024 χ^2/NDF: 7476531.4/34

All: 141.130+/-0.017 χ^2/NDF: 15609710.1/70

- sign 138.627+/-0.024 χ^2/NDF: 8110868.0/35

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -987.810+/-561.391 χ^2/NDF:18.0/18

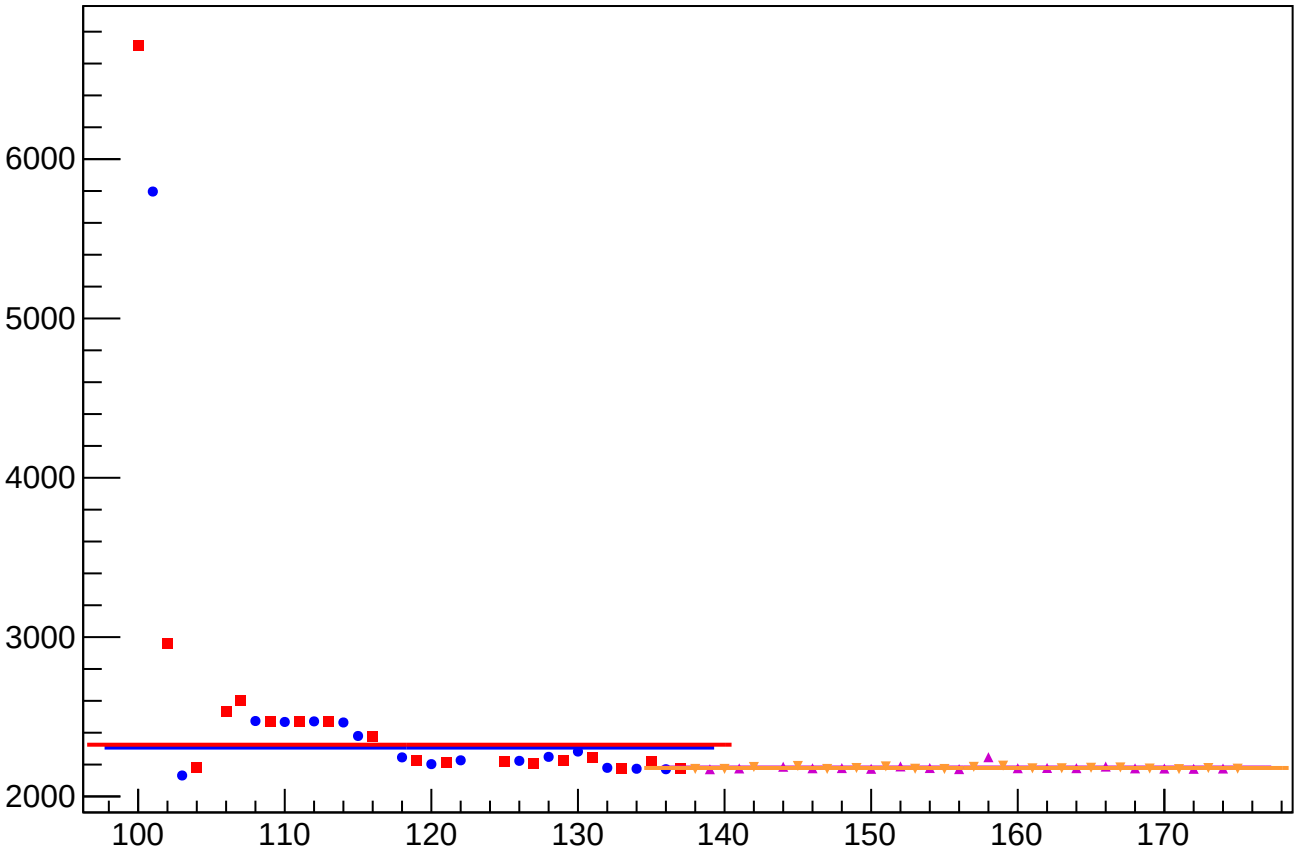
Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: 698.060+/-565.492 χ^2/NDF:24.3/17

+ sign -919.172+/-472.132 χ^2/NDF: 33.9/34

All: -106.216+/-334.517 χ^2/NDF: 77.1/70

- sign 713.299+/-474.032 χ^2/NDF: 37.2/35



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.692+/-0.397 χ^2/NDF:282.2/18

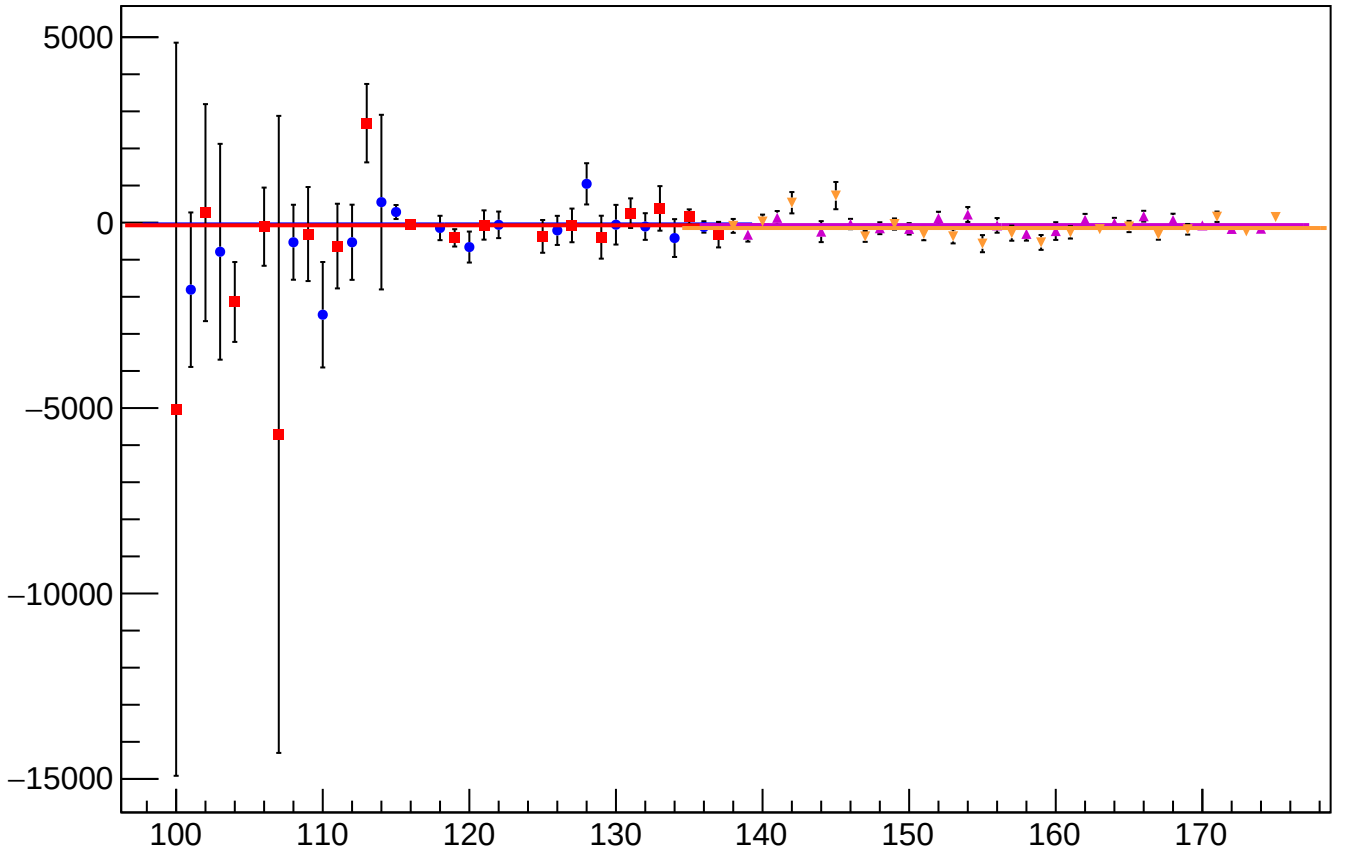
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.522+/-0.400 χ^2/NDF:1699.6/17

+ sign 2216.145+/-0.334 χ^2/NDF: 544844.1/34

All: 2220.099+/-0.237 χ^2/NDF: 738514.9/70

- sign 2224.086+/-0.335 χ^2/NDF: 193389.1/35



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -145.914+/-36.729 χ^2/NDF:39.4/18

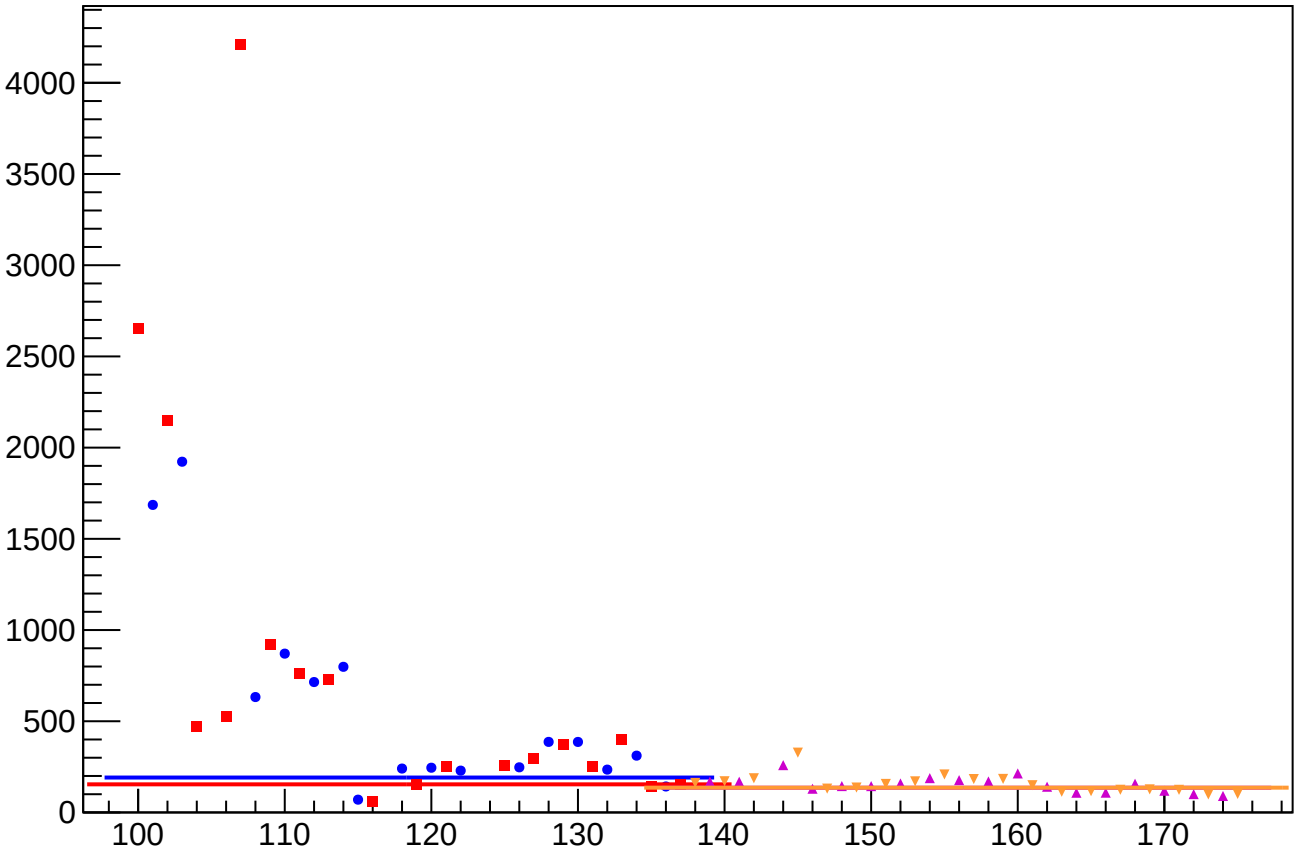
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -66.832+/-36.932 χ^2/NDF:15.5/17

+ sign -132.171+/-34.055 χ^2/NDF: 54.7/34

All: -99.610+/-23.953 χ^2/NDF: 89.5/70

- sign -67.731+/-33.696 χ^2/NDF: 32.9/35



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 135.912+/-0.026 χ^2/NDF:1771058.8/18

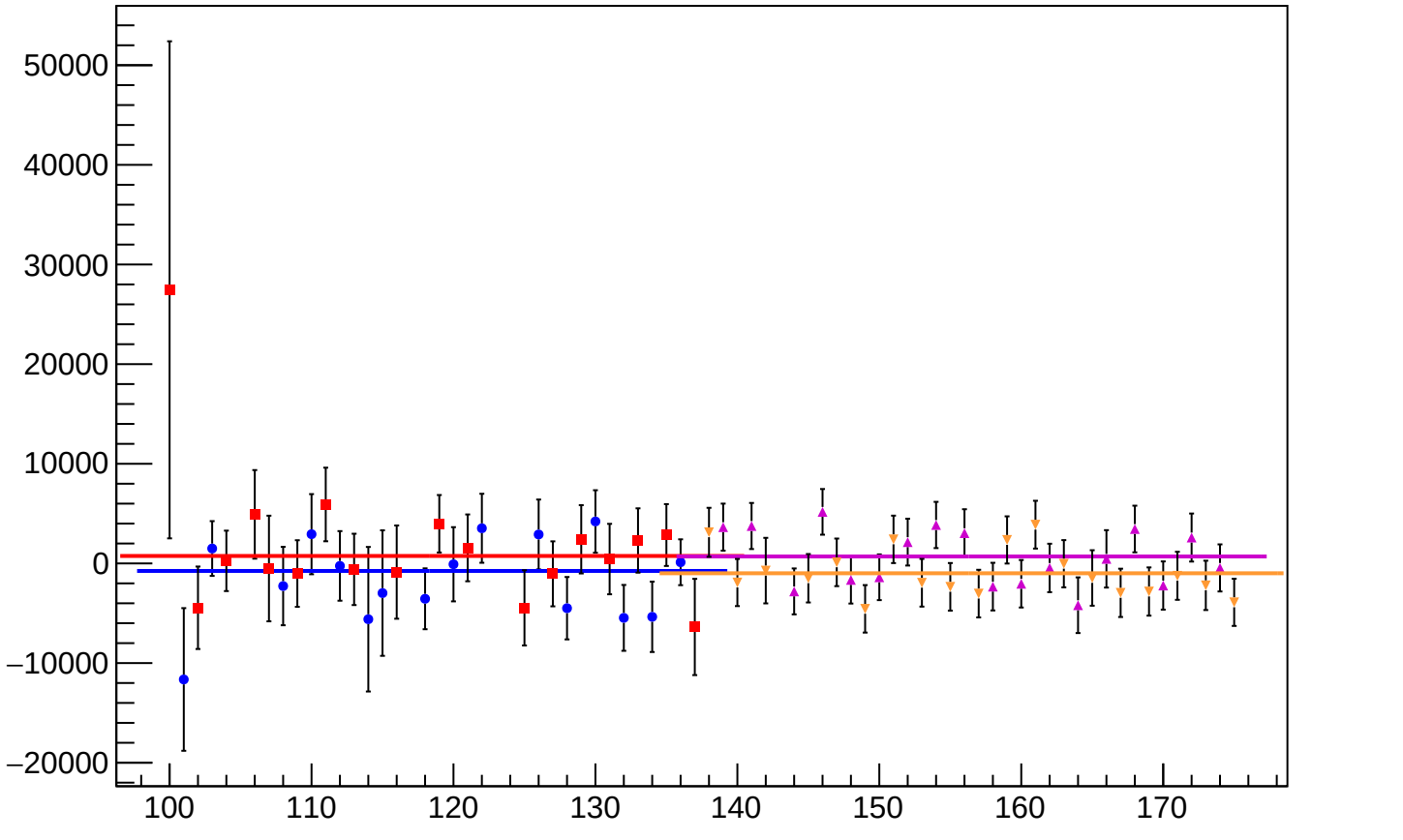
Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 135.410+/-0.026 χ^2/NDF:1865752.5/17

+ sign 143.698+/-0.024 χ^2/NDF: 7475177.2/34

All: 141.094+/-0.017 χ^2/NDF: 15558752.1/70

- sign 138.545+/-0.024 χ^2/NDF: 8060433.4/35



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -987.810+/-561.391 χ^2/NDF:18.0/18

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

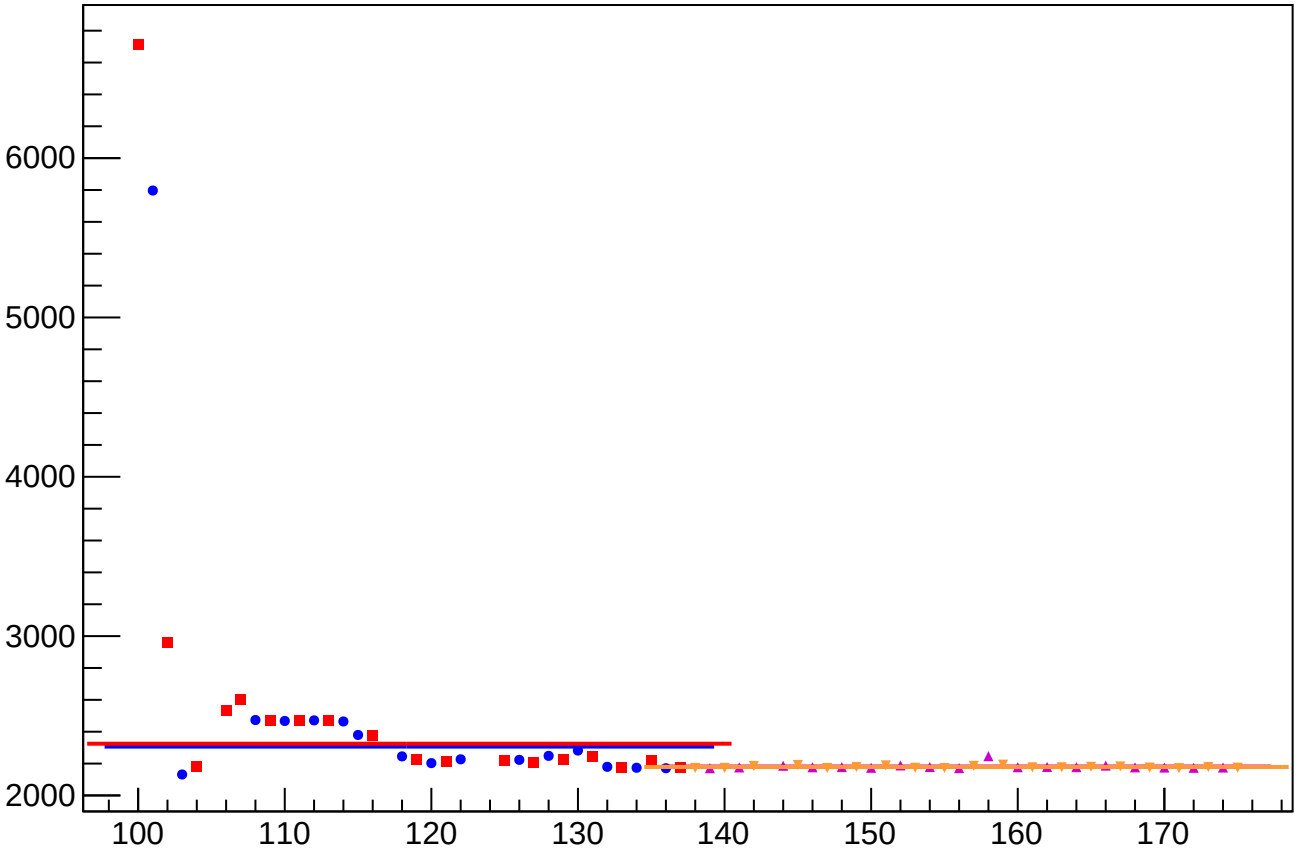
Left In: 698.060+/-565.492 χ^2/NDF:24.3/17

+ sign -919.172+/-472.132 χ^2/NDF: 33.9/34

All: -106.216+/-334.517 χ^2/NDF: 77.1/70

- sign 713.299+/-474.032 χ^2/NDF: 37.2/35

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.692+/-0.397 χ^2/NDF:282.2/18

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

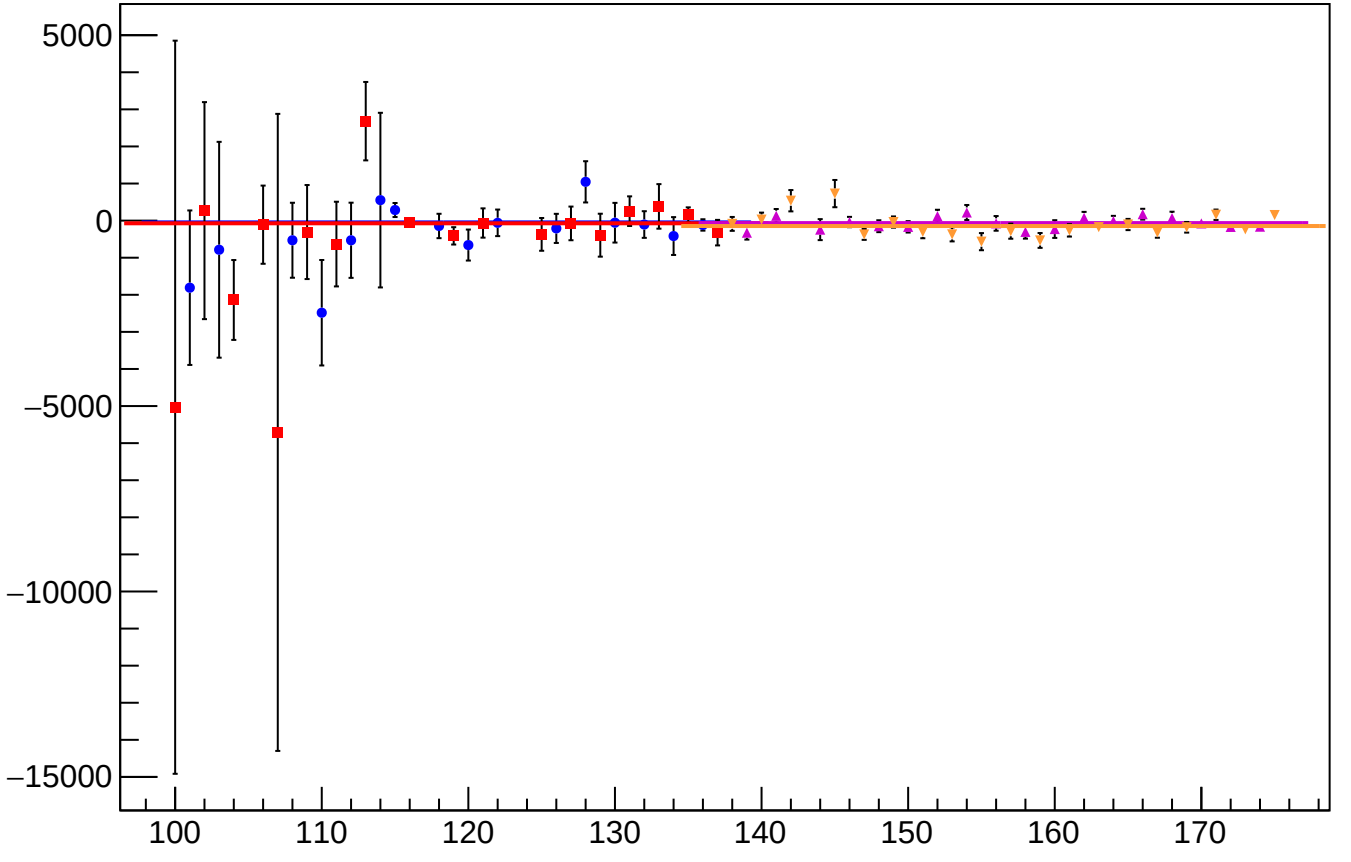
Left In: 2181.522+/-0.400 χ^2/NDF:1699.6/17

+ sign 2216.145+/-0.334 χ^2/NDF: 544844.1/34

All: 2220.099+/-0.237 χ^2/NDF: 738514.9/70

- sign 2224.086+/-0.335 χ^2/NDF: 193389.1/35

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -145.914+/-36.729 χ^2/NDF:39.4/18

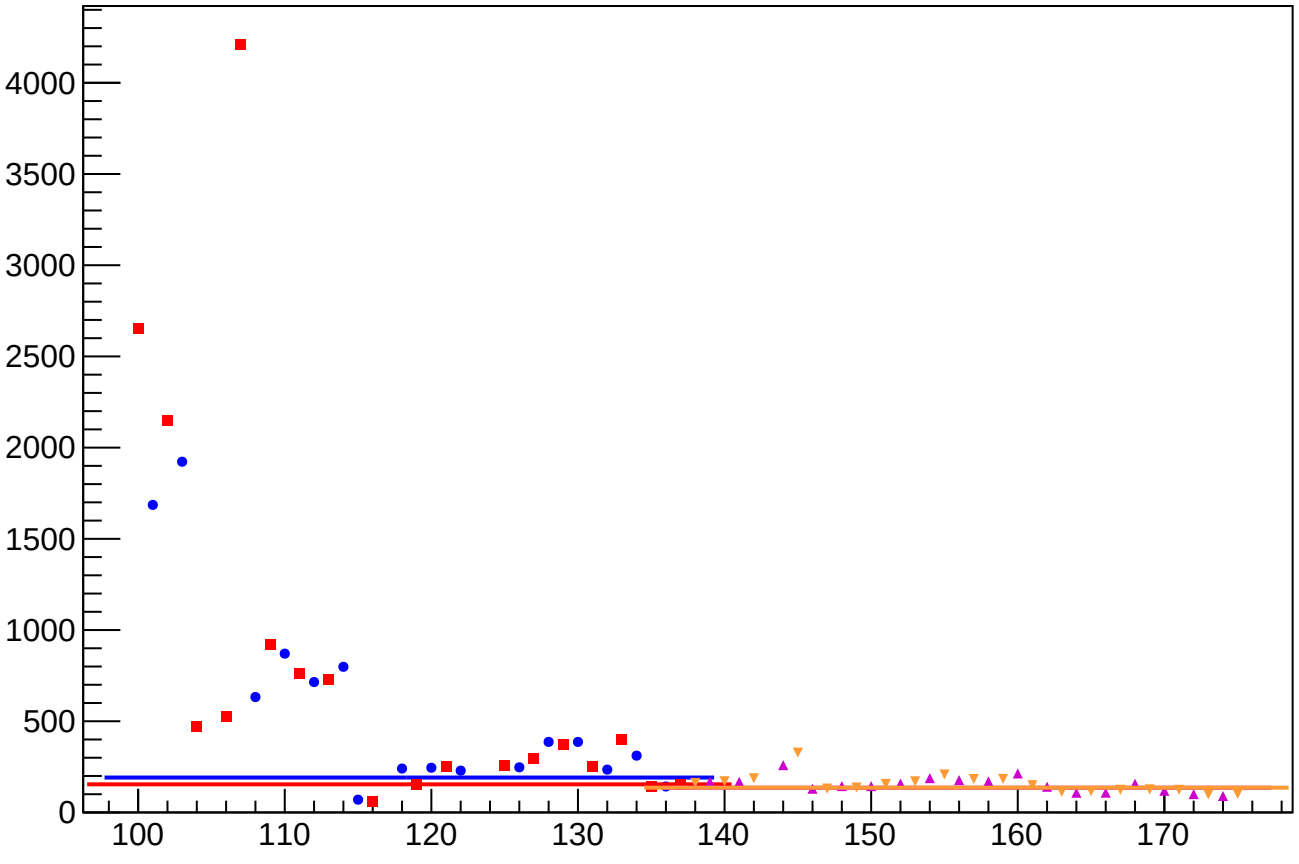
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -66.832+/-36.932 χ^2/NDF:15.5/17

+ sign -132.171+/-34.055 χ^2/NDF: 54.7/34

All: -99.610+/-23.953 χ^2/NDF: 89.5/70

- sign -67.731+/-33.696 χ^2/NDF: 32.9/35



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 135.912+/-0.026 χ^2/NDF:1771058.8/18

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

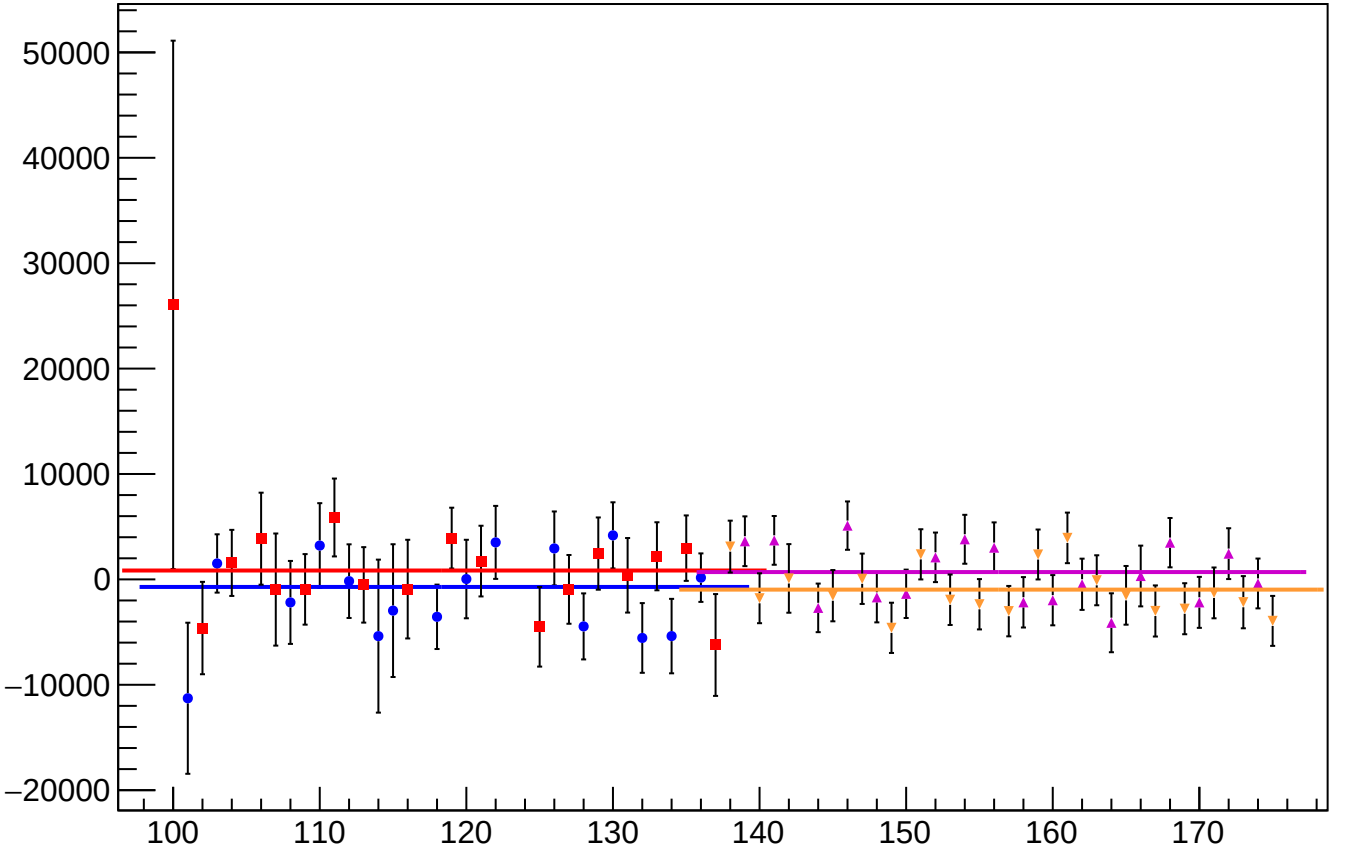
Left In: 135.410+/-0.026 χ^2/NDF:1865752.5/17

+ sign 143.698+/-0.024 χ^2/NDF: 7475177.2/34

All: 141.094+/-0.017 χ^2/NDF: 15558752.1/70

- sign 138.545+/-0.024 χ^2/NDF: 8060433.4/35

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -971.089+/-561.413 χ^2/NDF:18.2/18

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

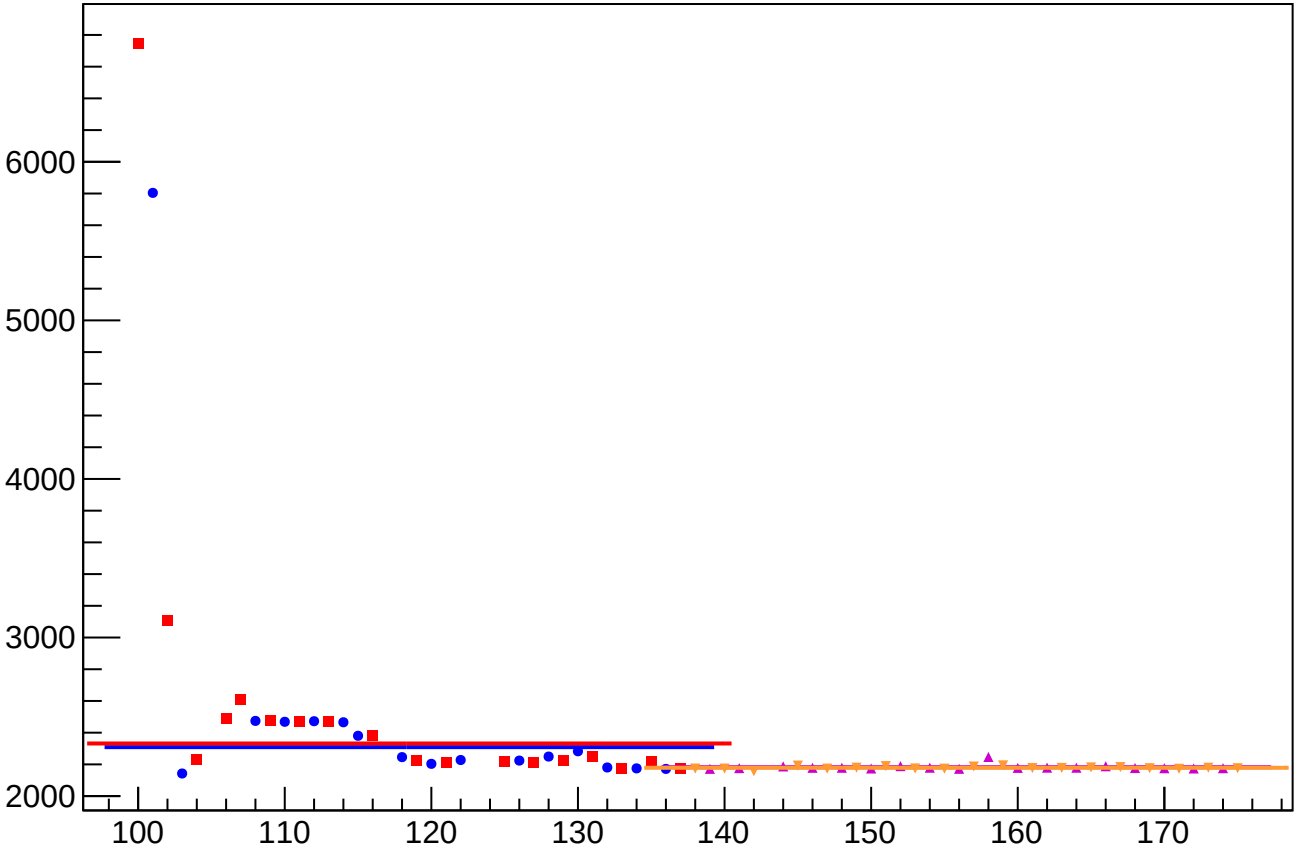
Left In: 694.461+/-565.691 χ^2/NDF:23.5/17

\+ sign -896.856+/-472.285 χ^2/NDF: 34.1/34

All: -83.775+/-334.852 χ^2/NDF: 75.7/70

\- sign 738.096+/-474.831 χ^2/NDF: 35.6/35

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.604+/-0.397 χ^2/NDF:372.2/18

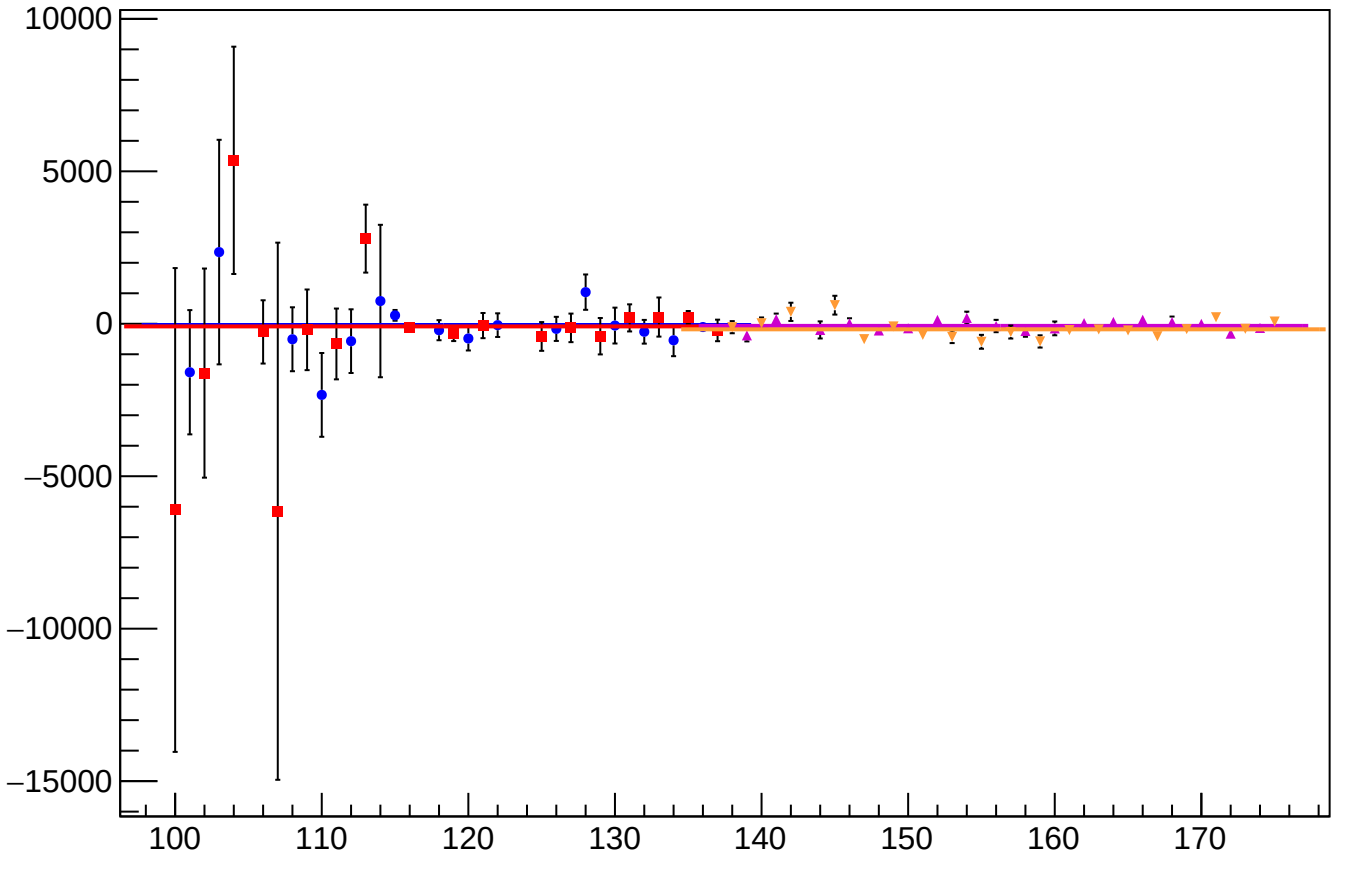
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2182.292+/-0.400 χ^2/NDF:1693.1/17

+ sign 2216.644+/-0.334 χ^2/NDF: 545526.5/34

All: 2221.534+/-0.237 χ^2/NDF: 756273.0/70

- sign 2226.477+/-0.336 χ^2/NDF: 210315.3/35



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -182.096+/-37.803 χ^2/NDF:39.6/18

Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

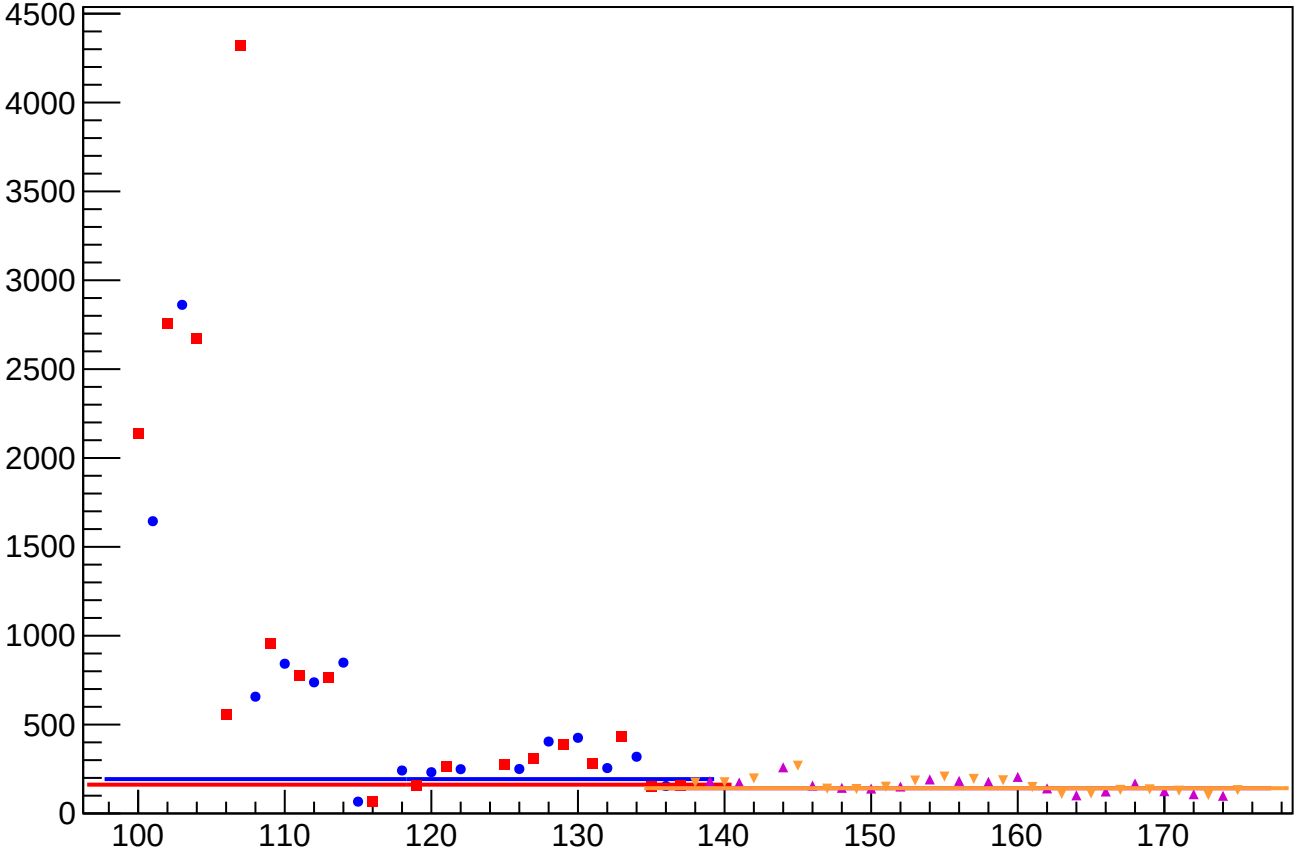
Left In: -69.317+/-37.979 χ^2/NDF:17.8/17

+ sign -161.742+/-34.989 χ^2/NDF: 55.6/34

All: -116.610+/-24.655 χ^2/NDF: 91.8/70

- sign -72.096+/-34.748 χ^2/NDF: 32.8/35

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: 142.119+/-0.027 χ^2/NDF:1476931.9/18

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

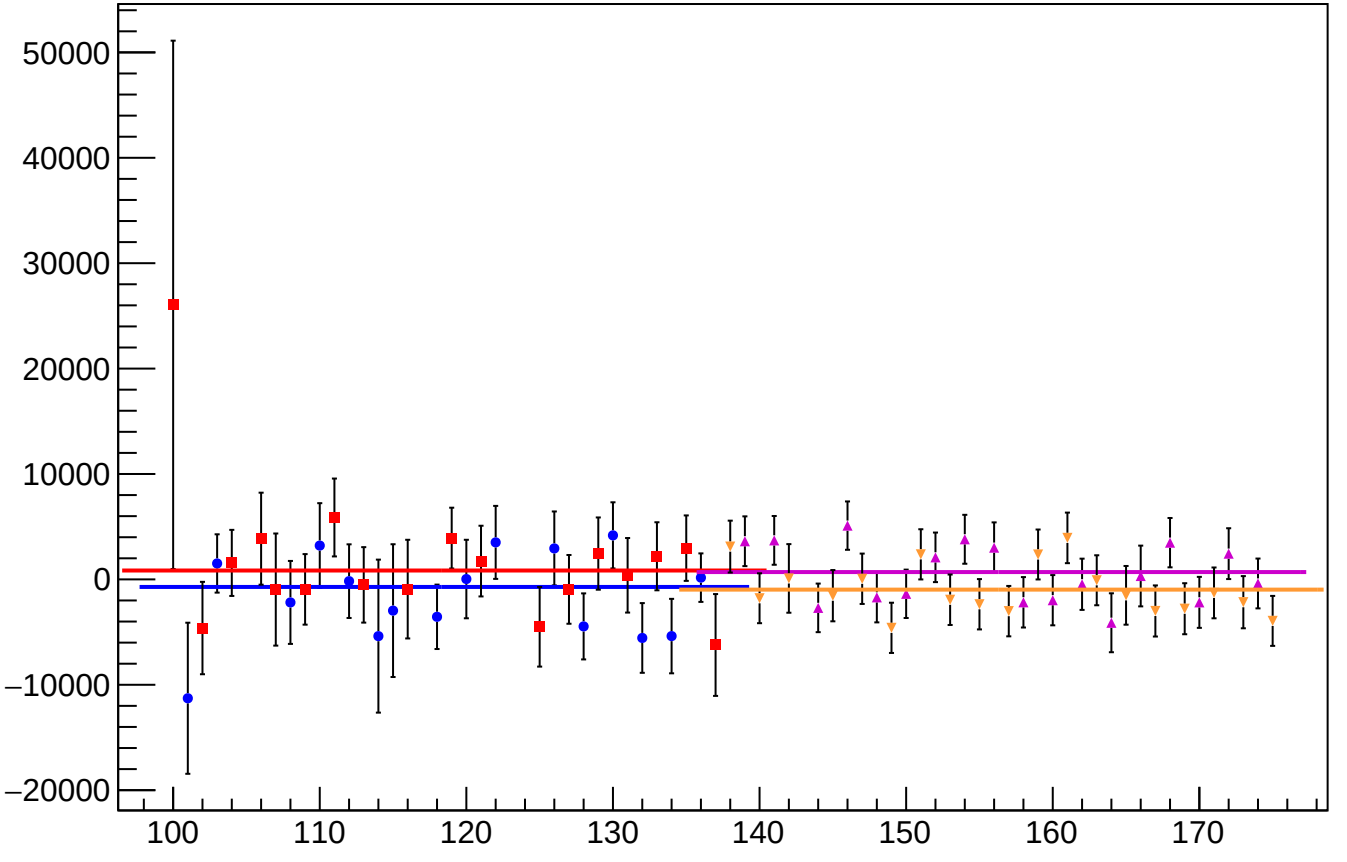
Left In: 141.693+/-0.027 χ^2/NDF:1693601.3/17

\+ sign 149.450+/-0.025 χ^2/NDF: 7619404.1/34

All: 147.220+/-0.017 χ^2/NDF: 16493837.7/70

\- sign 145.020+/-0.025 χ^2/NDF: 8858291.4/35

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -971.091+/-561.413 χ^2/NDF:18.2/18

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

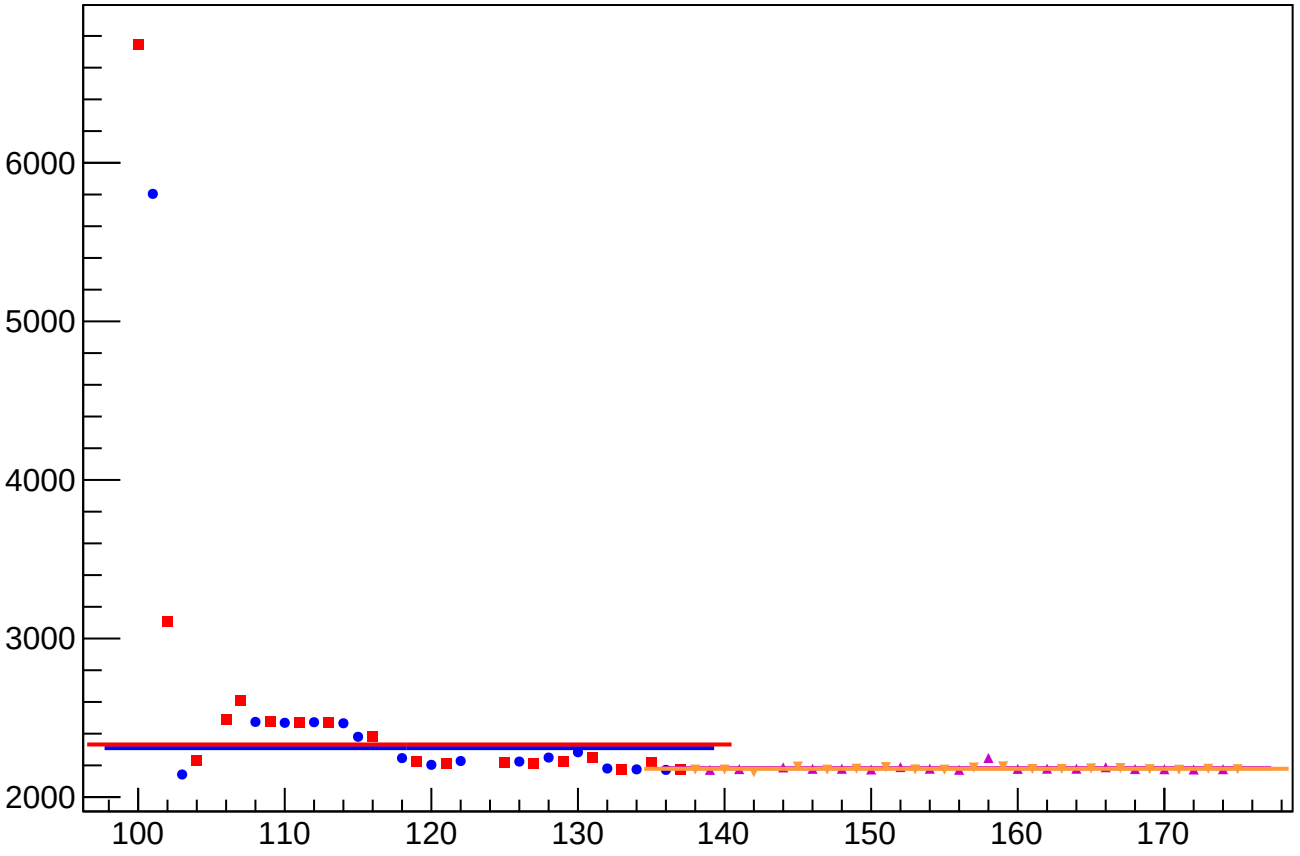
Left In: 694.460+/-565.691 χ^2/NDF:23.5/17

\+ sign -896.858+/-472.285 χ^2/NDF: 34.1/34

All: -83.776+/-334.852 χ^2/NDF: 75.7/70

\- sign 738.096+/-474.831 χ^2/NDF: 35.6/35

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.604+/-0.397 χ^2/NDF:372.2/18

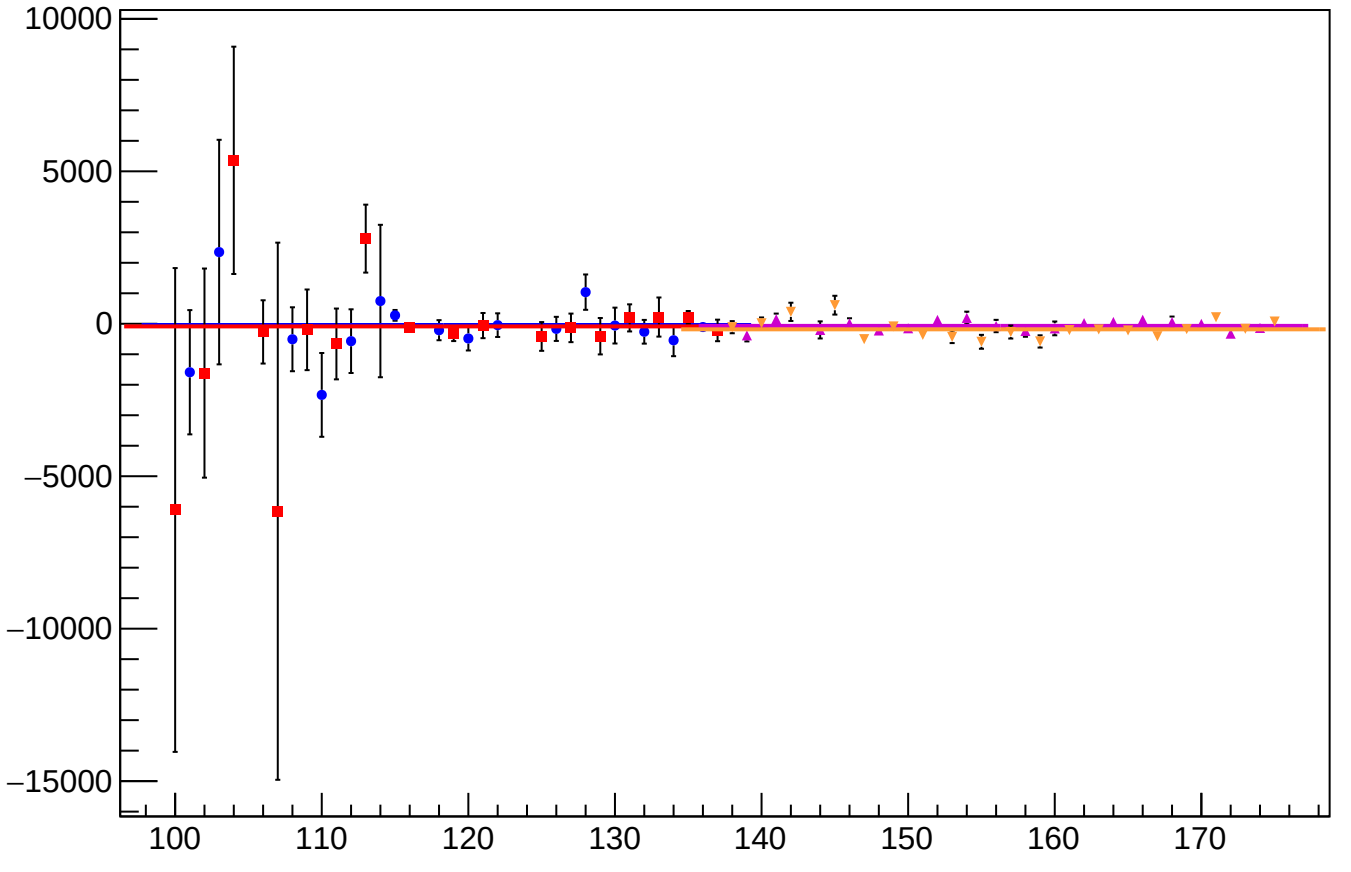
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2182.292+/-0.400 χ^2/NDF:1693.1/17

+ sign 2216.644+/-0.334 χ^2/NDF: 545526.5/34

All: 2221.534+/-0.237 χ^2/NDF: 756272.8/70

- sign 2226.477+/-0.336 χ^2/NDF: 210315.2/35



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -182.097+/-37.803 χ^2/NDF:39.6/18

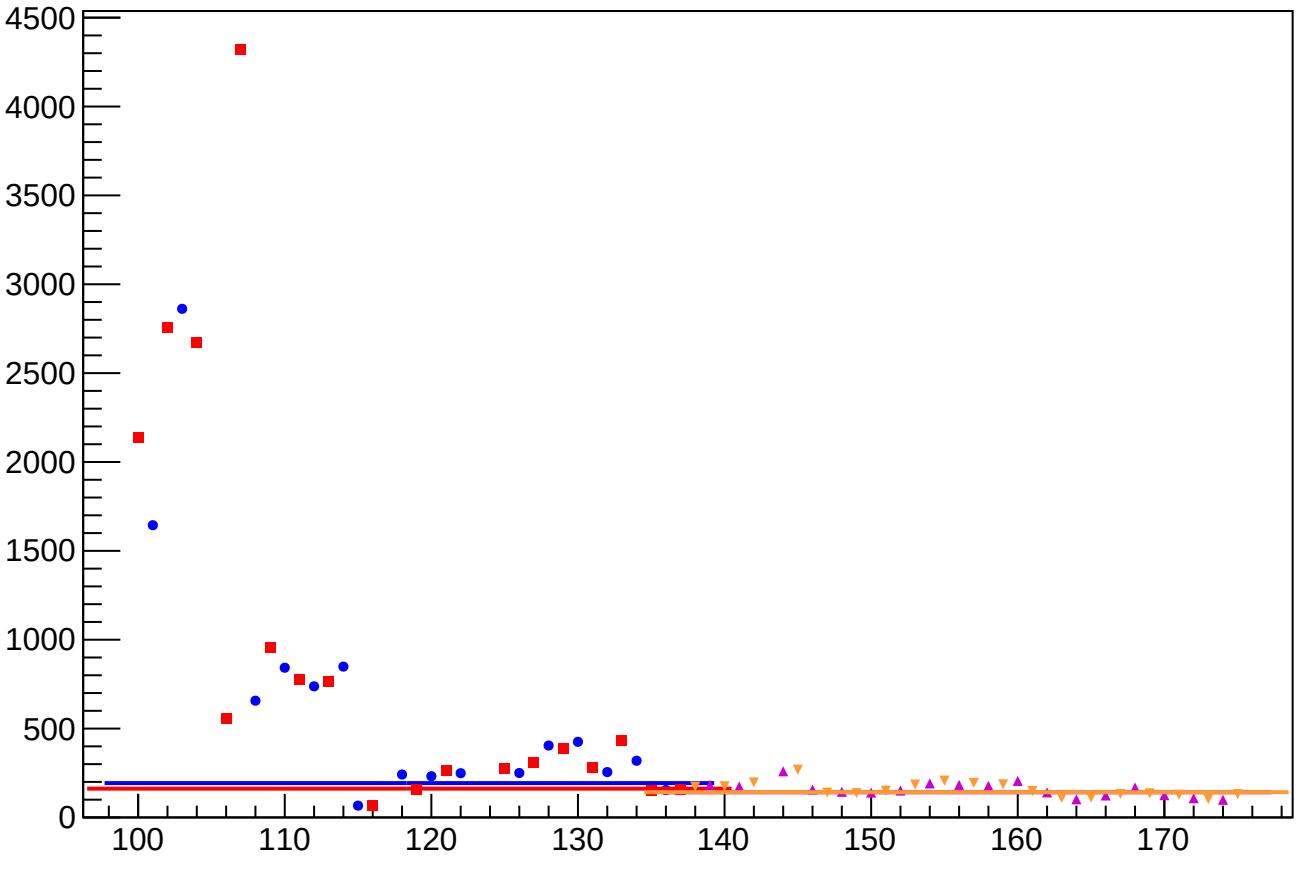
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -69.316+/-37.979 χ^2/NDF:17.8/17

+ sign -161.742+/-34.989 χ^2/NDF: 55.6/34

All: -116.609+/-24.655 χ^2/NDF: 91.8/70

- sign -72.096+/-34.748 χ^2/NDF: 32.8/35



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 142.120+/-0.027 χ^2/NDF:1476940.3/18

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

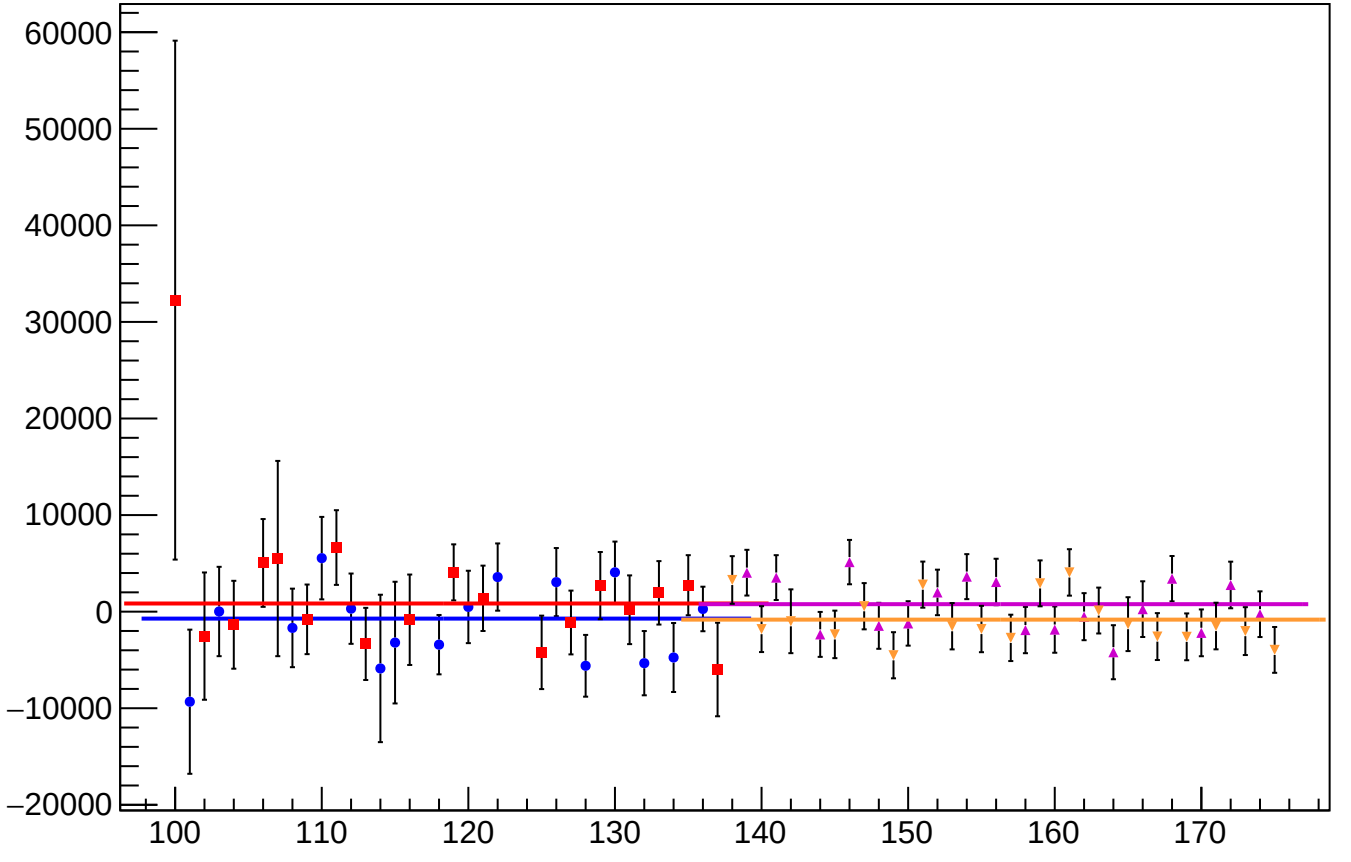
Left In: 141.694+/-0.027 χ^2/NDF:1693631.6/17

+ sign 149.450+/-0.025 χ^2/NDF: 7619407.0/34

All: 147.220+/-0.017 χ^2/NDF: 16493908.1/70

- sign 145.020+/-0.025 χ^2/NDF: 8858358.7/35

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -825.998+/-563.206 χ^2/NDF:19.1/18

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

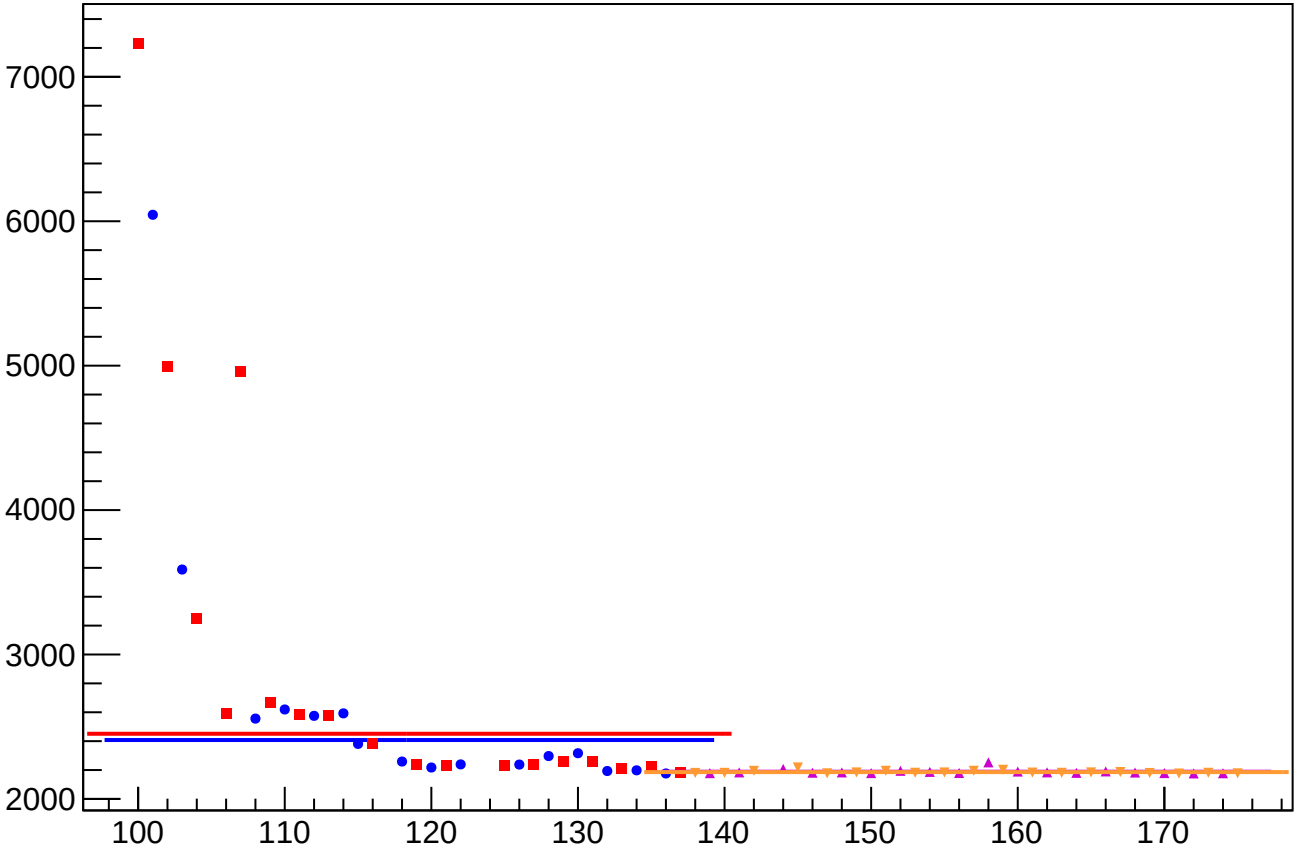
Left In: 774.705+/-567.290 χ^2/NDF:22.6/17

+ sign -796.810+/-479.806 χ^2/NDF: 34.9/34

All: -8.641+/-340.788 χ^2/NDF: 75.9/70

- sign 793.755+/-484.116 χ^2/NDF: 35.5/35

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2185.723+/-0.398 χ^2/NDF:655.6/18

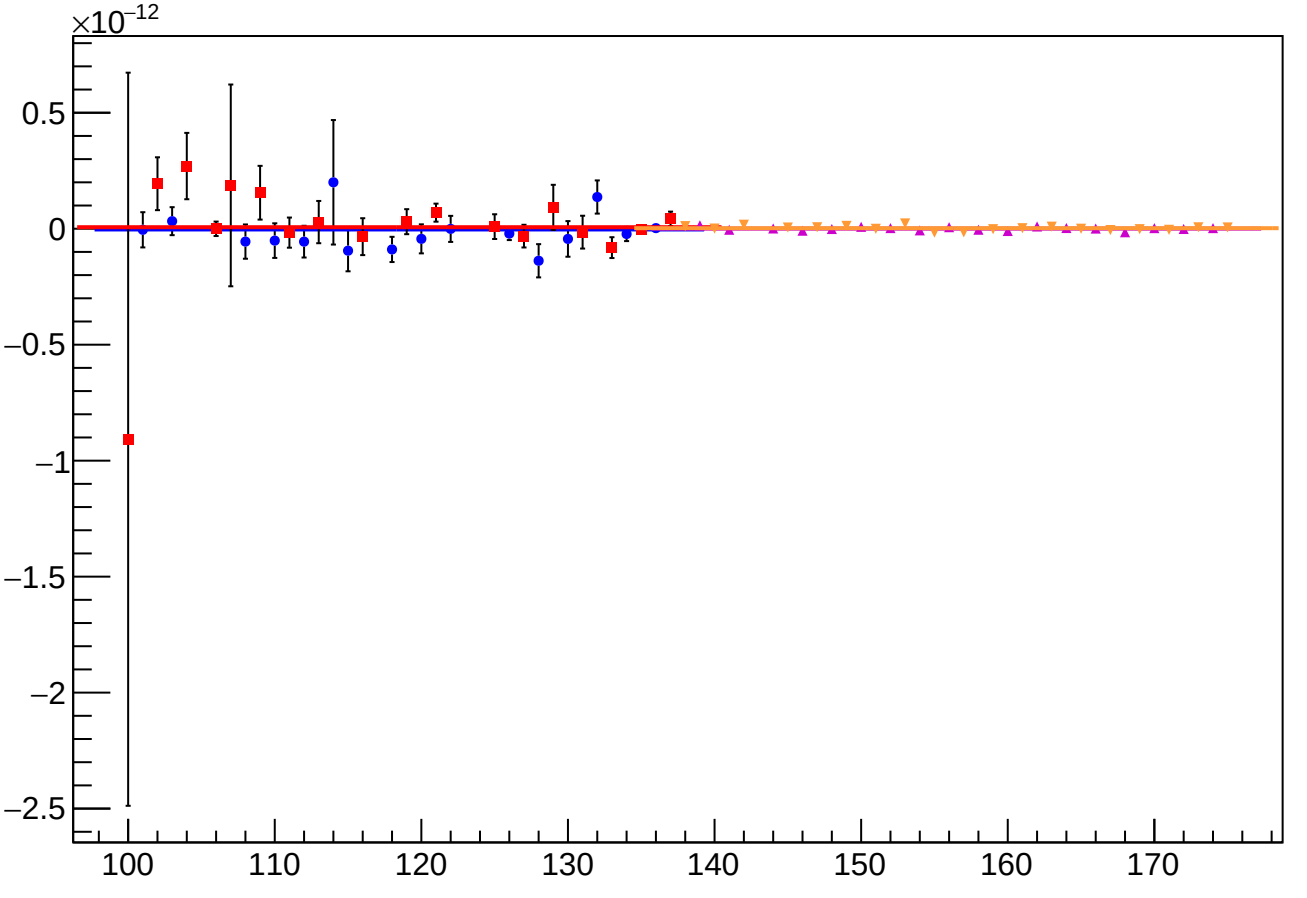
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2188.450+/-0.401 χ^2/NDF:1897.6/17

+ sign 2246.623+/-0.339 χ^2/NDF: 762818.6/34

All: 2253.175+/-0.241 χ^2/NDF: 1515646.7/70

- sign 2259.846+/-0.342 χ^2/NDF: 752075.4/35



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.7/18

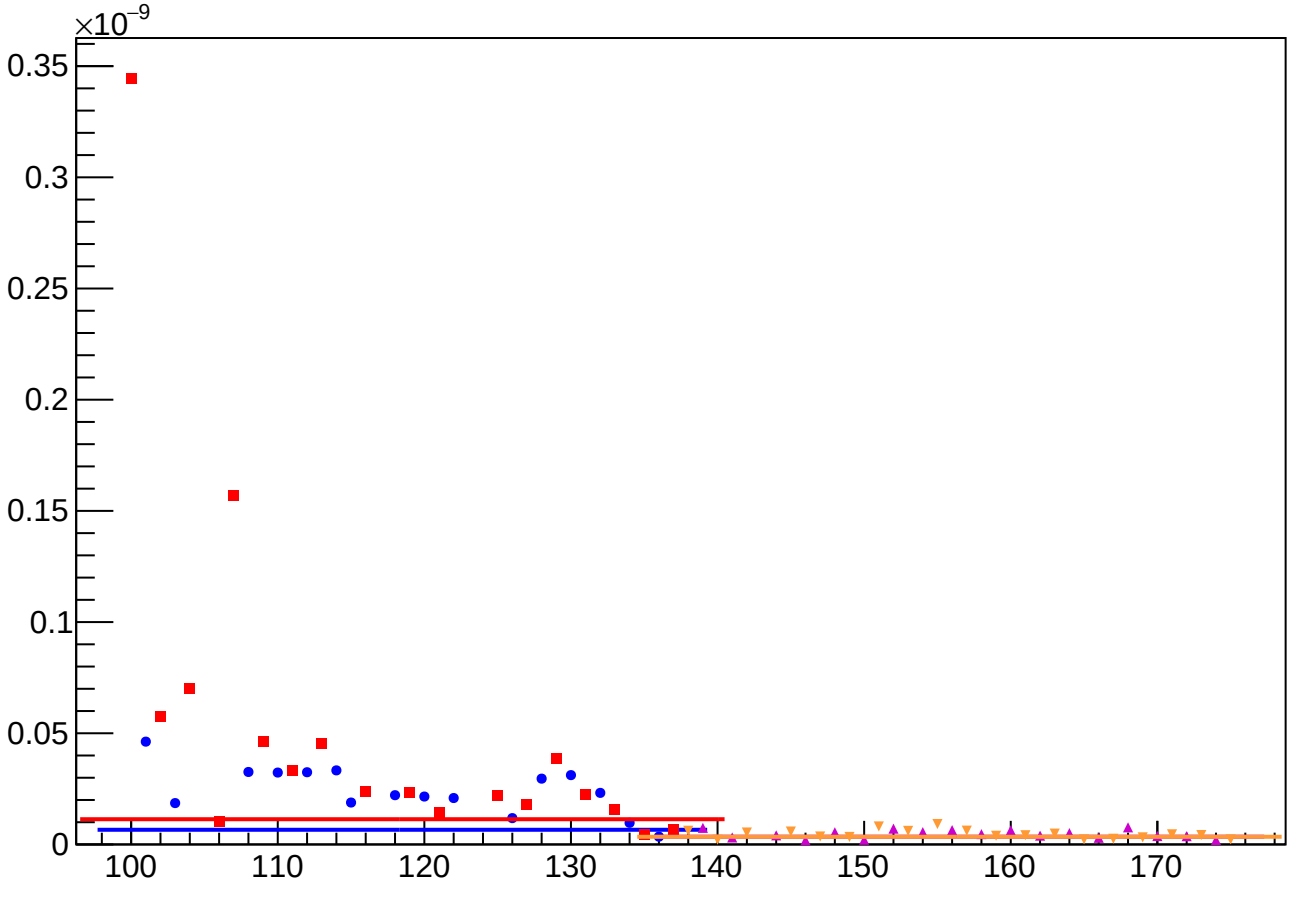
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:12.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 33.0/34

All: 0.000+/-0.000 χ^2/NDF: 65.2/70

- sign 0.000+/-0.000 χ^2/NDF: 31.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1636376.0/18

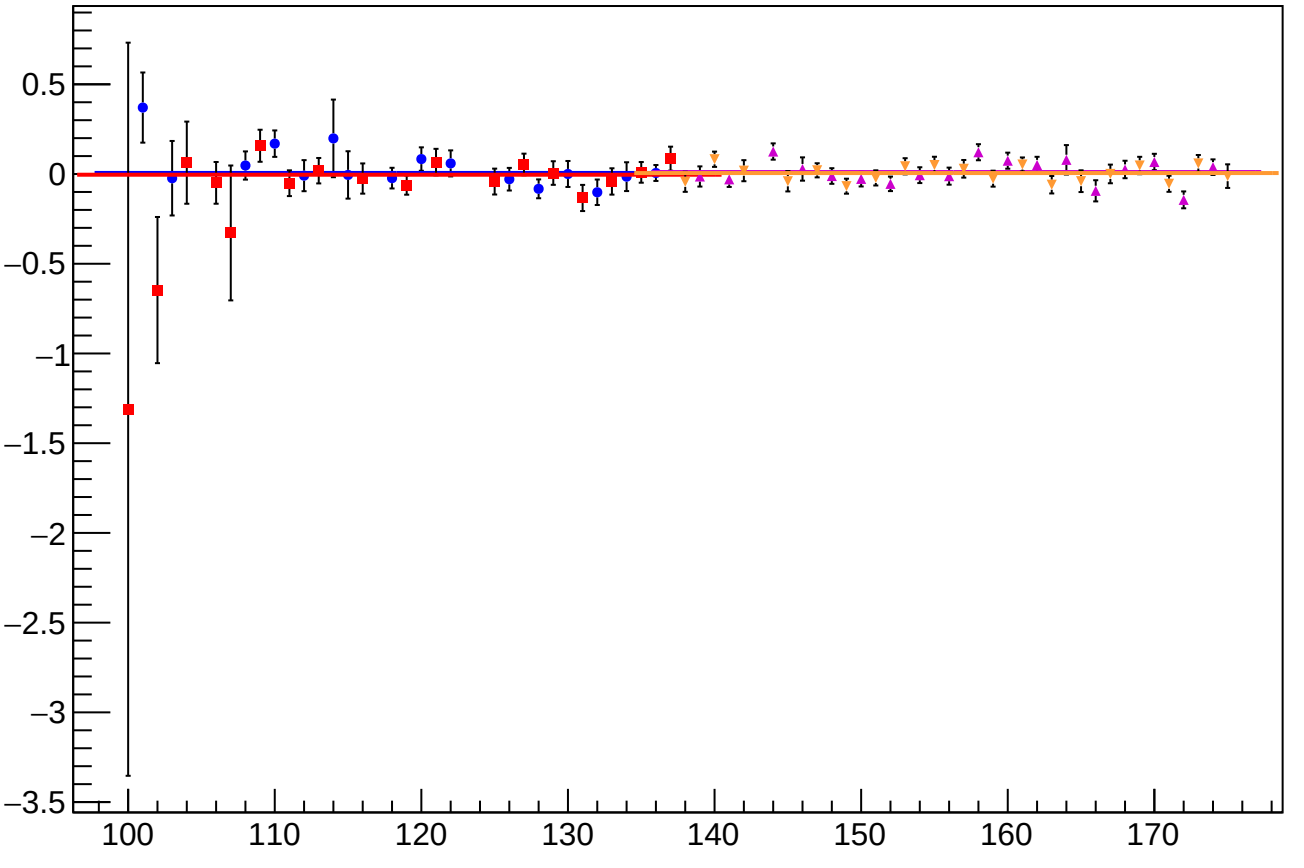
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1566553.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 4960984.5/34

All: 0.000+/-0.000 χ^2/NDF: 10480566.9/70

- sign 0.000+/-0.000 χ^2/NDF: 5516532.8/35



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:18.4/18

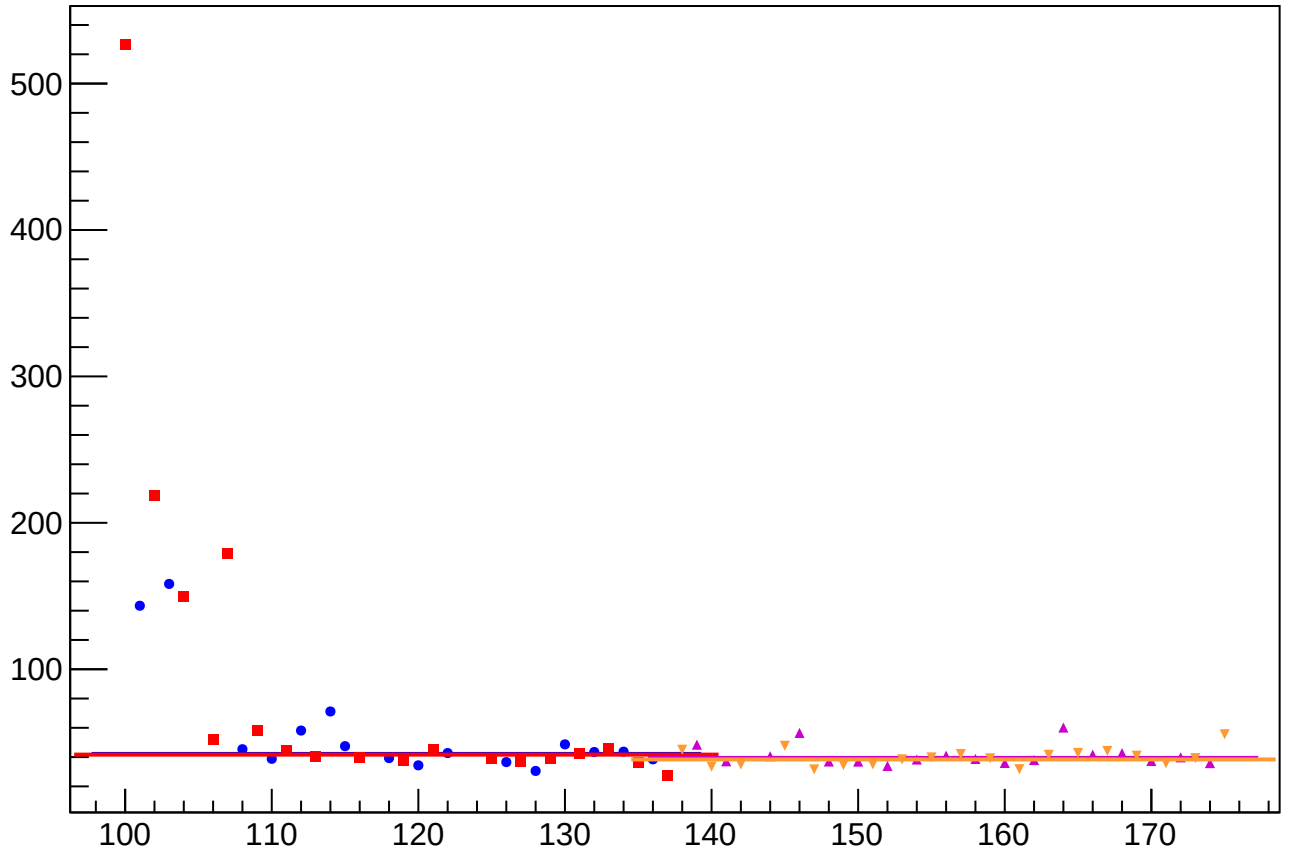
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.011+/-0.011 χ^2/NDF:37.1/17

+ sign 0.006+/-0.009 χ^2/NDF: 35.7/34

All: 0.006+/-0.007 χ^2/NDF: 89.5/70

- sign 0.007+/-0.010 χ^2/NDF: 53.9/35



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 38.390+/-0.008 χ^2/NDF:469464.8/18

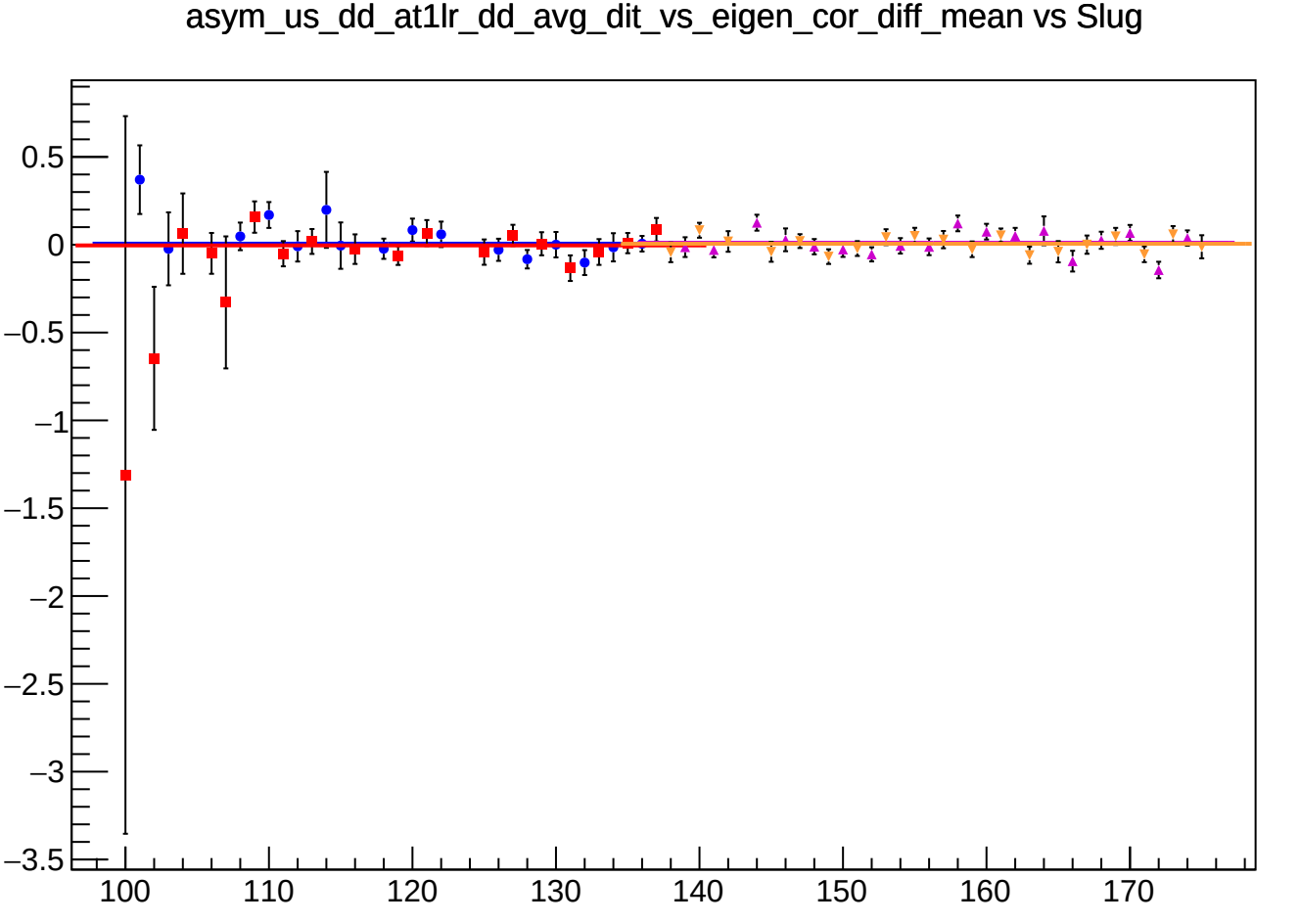
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.439+/-0.008 χ^2/NDF:421803.3/17

+ sign 39.380+/-0.007 χ^2/NDF: 1986928.0/34

All: 39.700+/-0.005 χ^2/NDF: 3876347.6/70

- sign 40.035+/-0.007 χ^2/NDF: 1884617.2/35



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:18.4/18

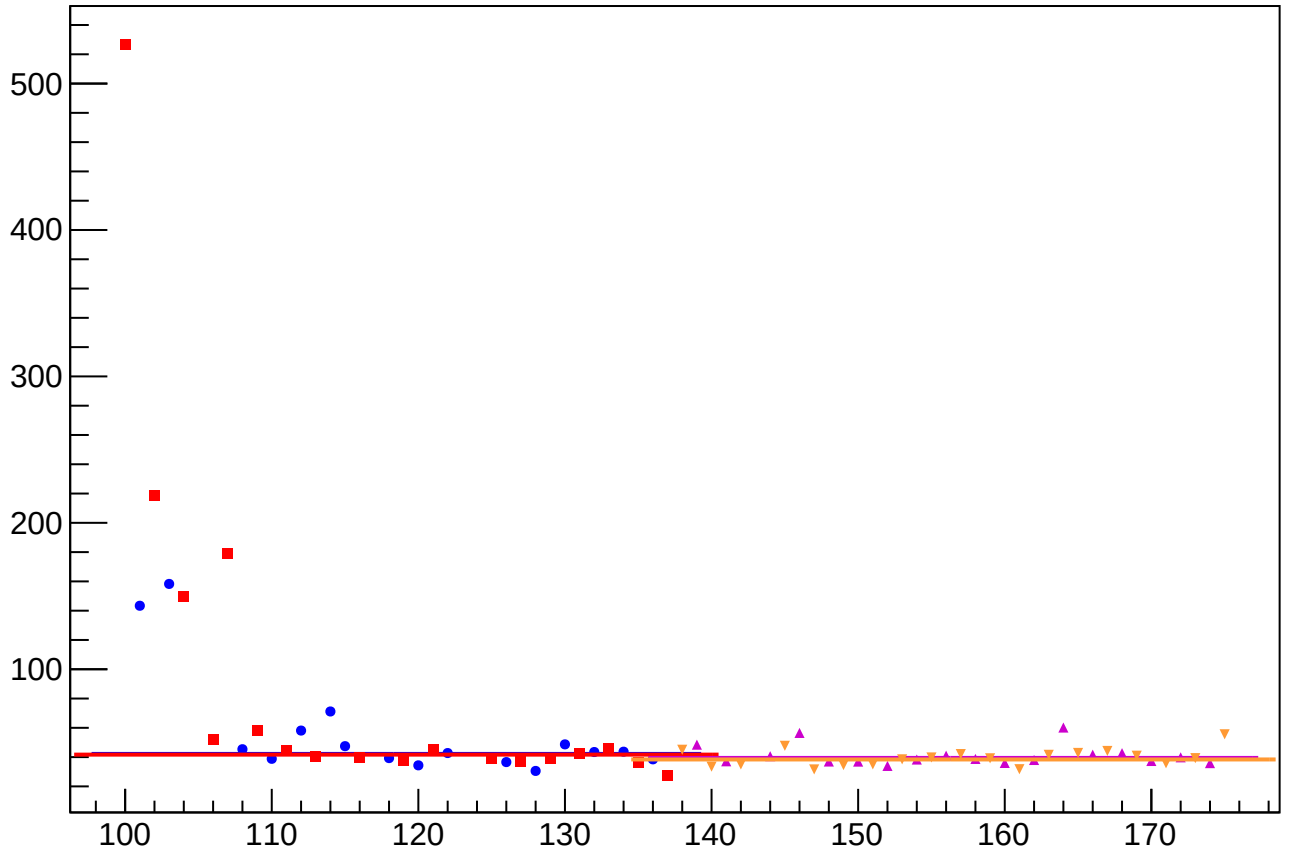
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.011+/-0.011 χ^2/NDF:37.1/17

+ sign 0.006+/-0.009 χ^2/NDF: 35.7/34

All: 0.006+/-0.007 χ^2/NDF: 89.5/70

- sign 0.007+/-0.010 χ^2/NDF: 53.9/35



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 38.390+/-0.008 χ^2/NDF:469464.8/18

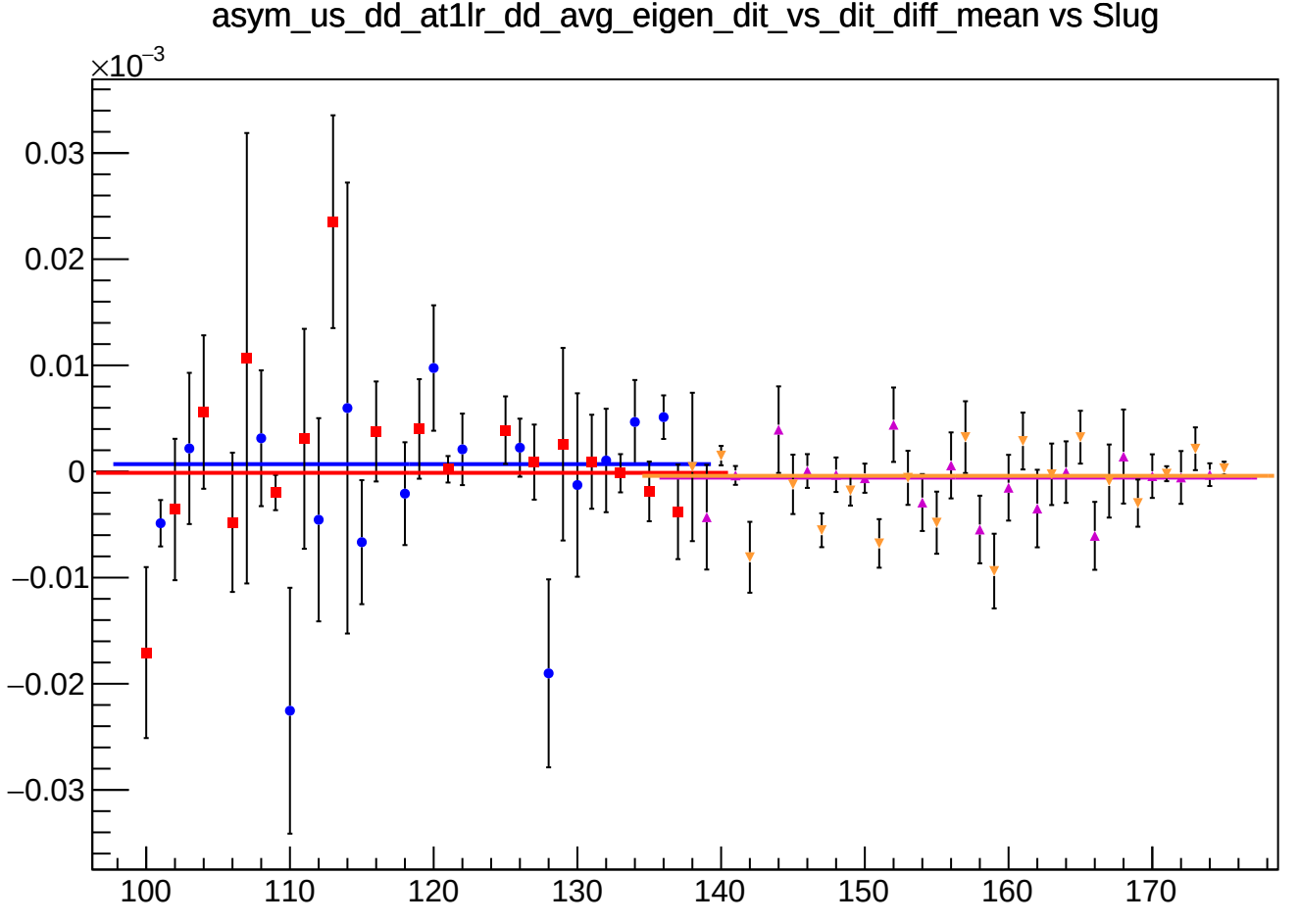
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.439+/-0.008 χ^2/NDF:421803.3/17

+ sign 39.380+/-0.007 χ^2/NDF: 1986928.0/34

All: 39.700+/-0.005 χ^2/NDF: 3876347.6/70

- sign 40.035+/-0.007 χ^2/NDF: 1884617.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.6/18

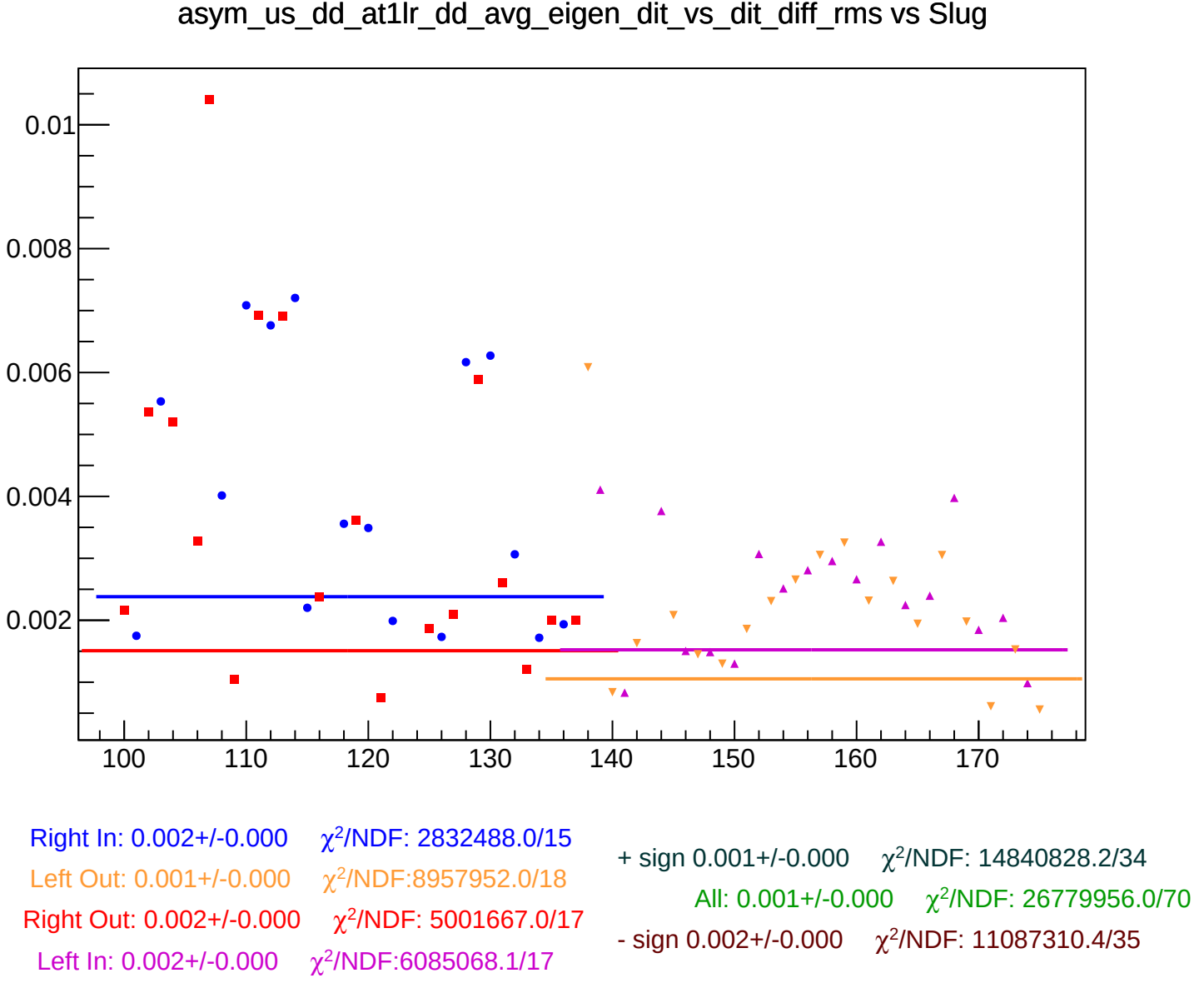
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

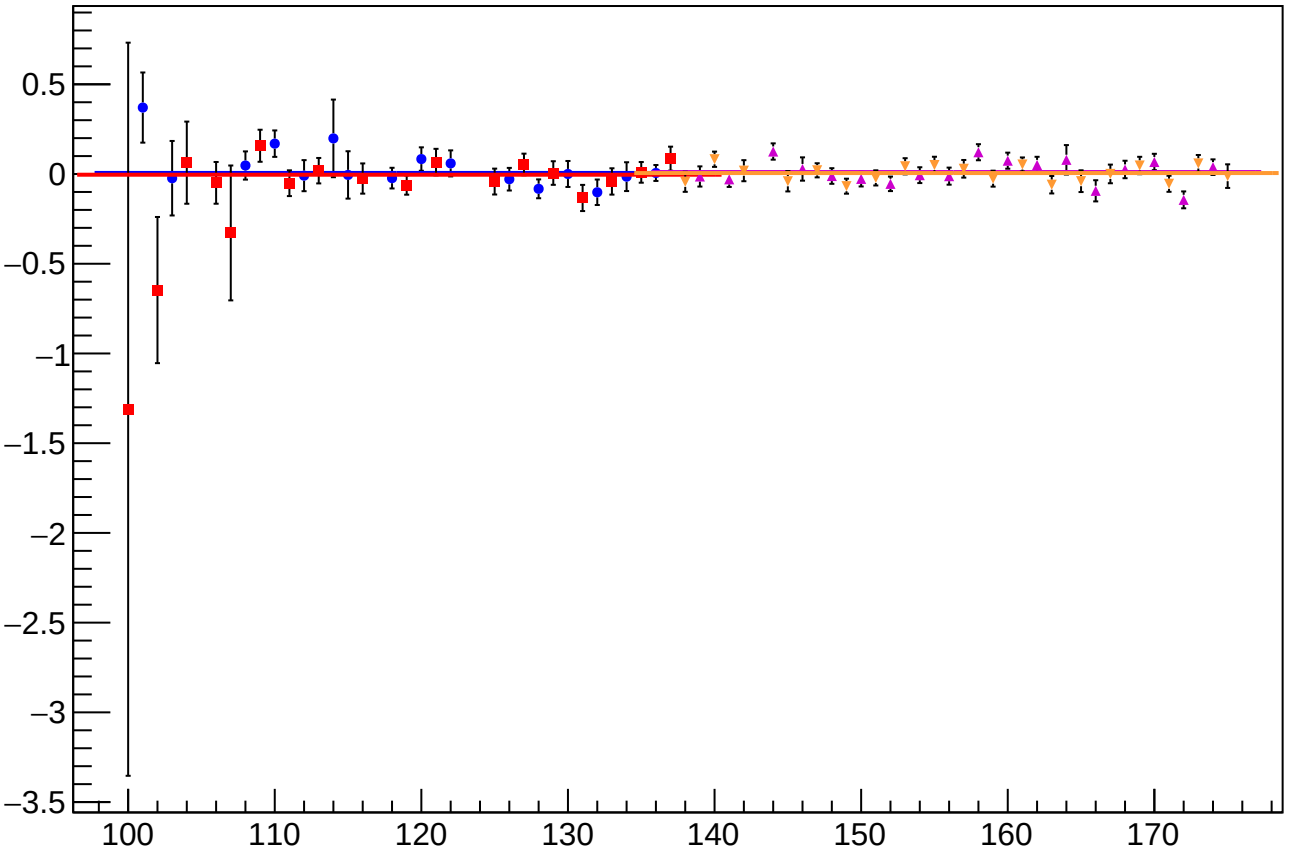
Left In: -0.000+/-0.000 χ^2/NDF:11.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 74.2/34

All: -0.000+/-0.000 χ^2/NDF: 103.3/70

- sign -0.000+/-0.000 χ^2/NDF: 29.0/35


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:8957952.0/18
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.002+/-0.000 χ²/NDF:6085068.1/17
+ sign 0.001+/-0.000 χ²/NDF: 14840828.2/34
All: 0.001+/-0.000 χ²/NDF: 26779956.0/70
- sign 0.002+/-0.000 χ²/NDF: 11087310.4/35



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:18.4/18

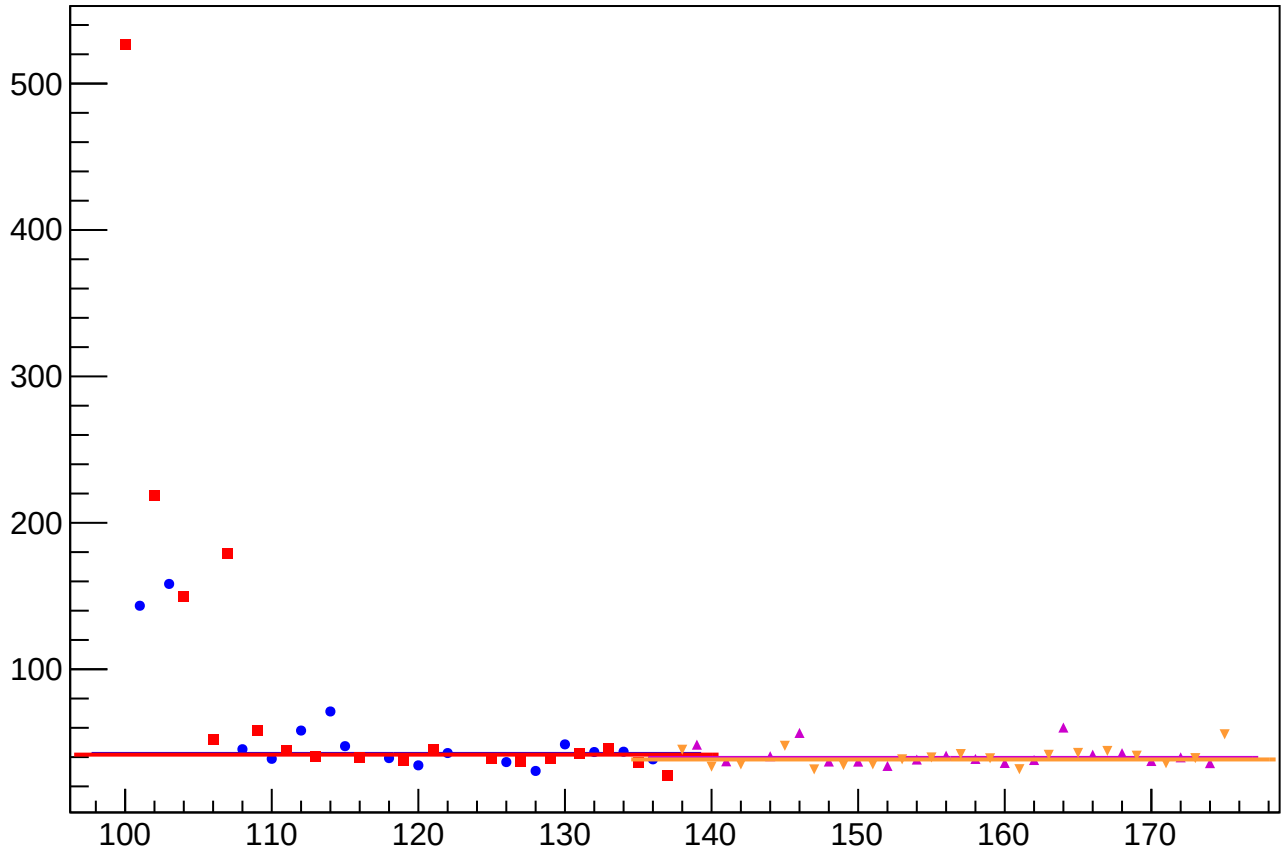
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.011+/-0.011 χ^2/NDF:37.1/17

+ sign 0.006+/-0.009 χ^2/NDF: 35.7/34

All: 0.006+/-0.007 χ^2/NDF: 89.5/70

- sign 0.007+/-0.010 χ^2/NDF: 53.9/35



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 38.391+/-0.008 χ^2/NDF:469448.8/18

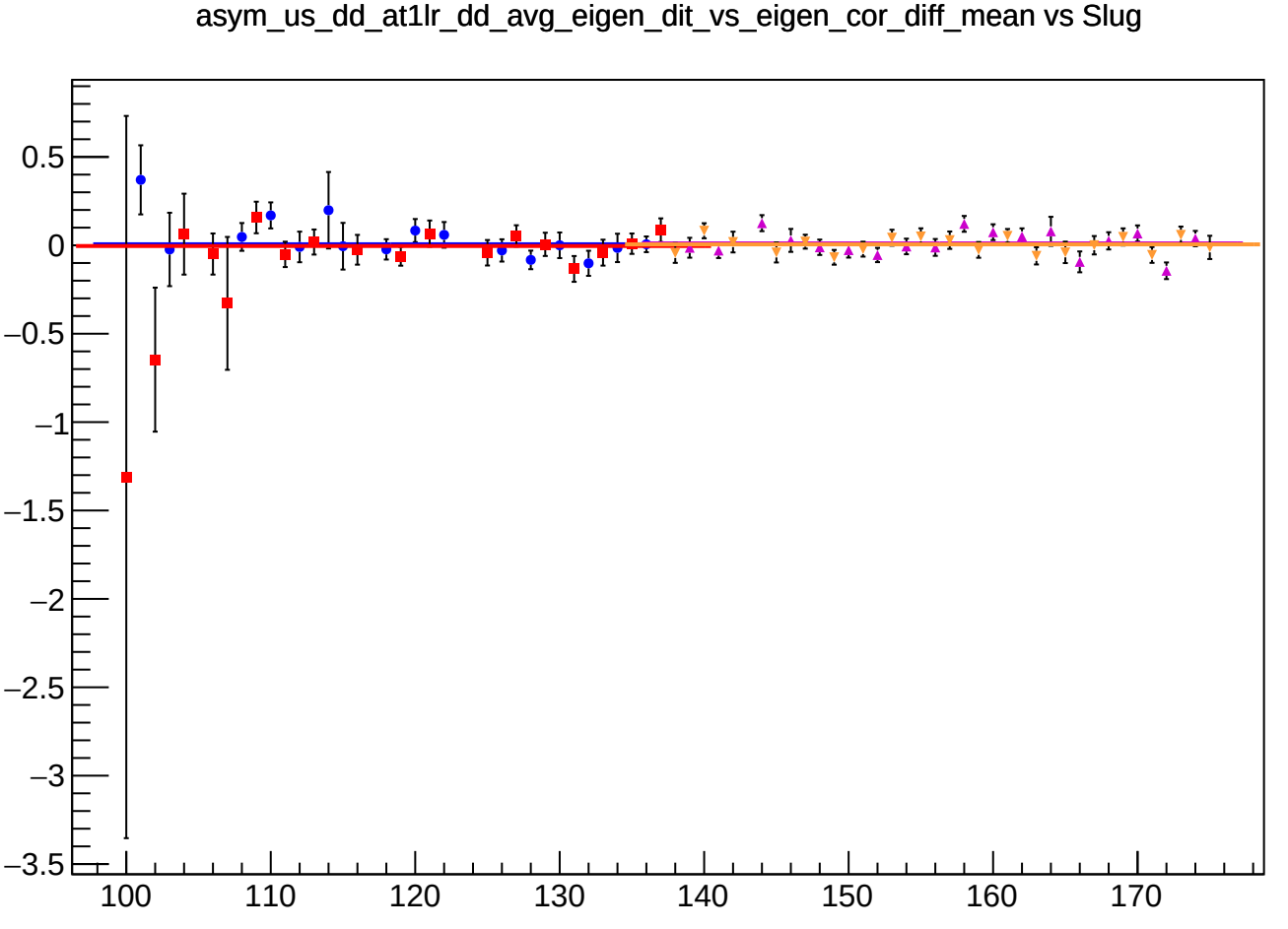
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.439+/-0.008 χ^2/NDF:421842.3/17

\+ sign 39.379+/-0.007 χ^2/NDF: 1987043.5/34

All: 39.700+/-0.005 χ^2/NDF: 3876500.2/70

\- sign 40.035+/-0.007 χ^2/NDF: 1884645.2/35



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:18.4/18

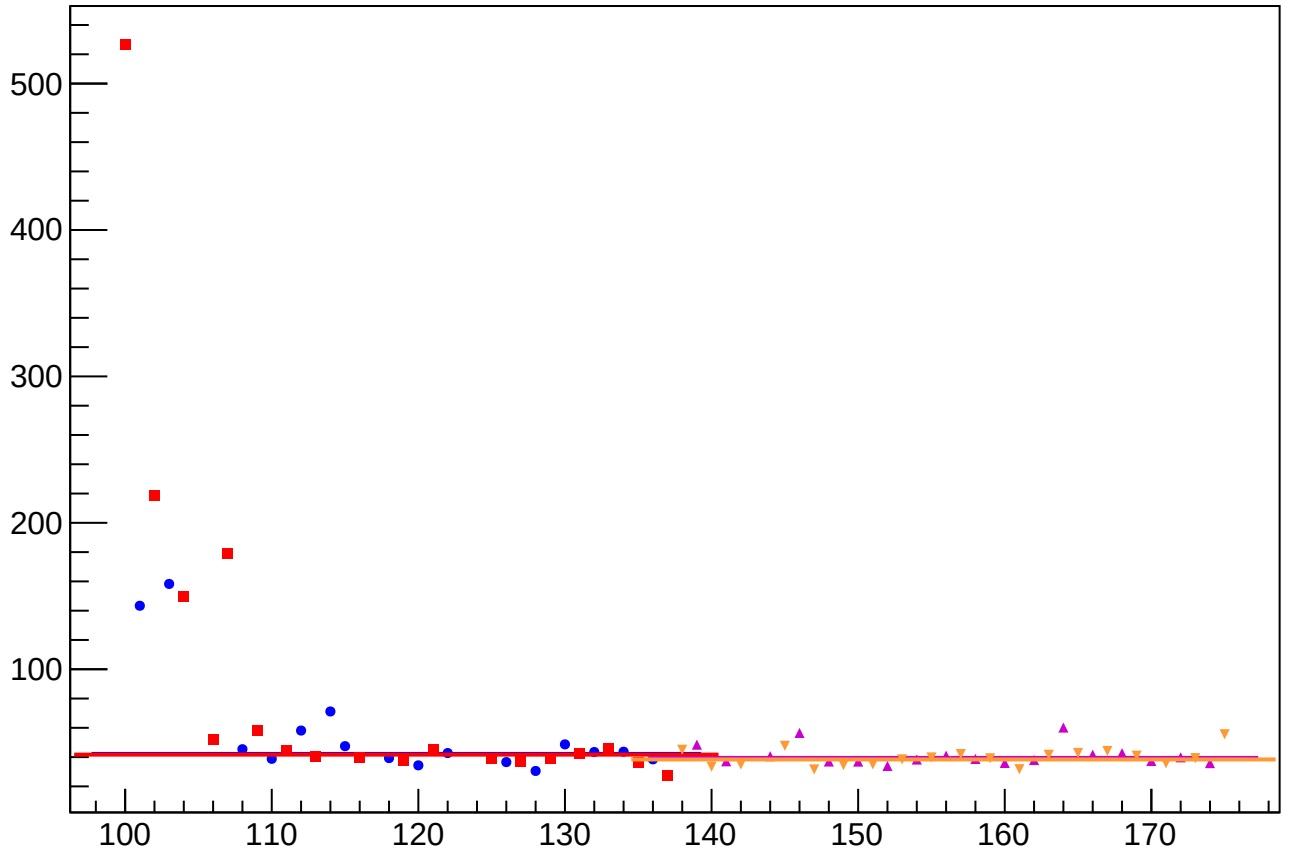
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.011+/-0.011 χ^2/NDF:37.1/17

+ sign 0.006+/-0.009 χ^2/NDF: 35.7/34

All: 0.006+/-0.007 χ^2/NDF: 89.5/70

- sign 0.007+/-0.010 χ^2/NDF: 53.9/35



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 38.391+/-0.008 χ^2/NDF:469448.8/18

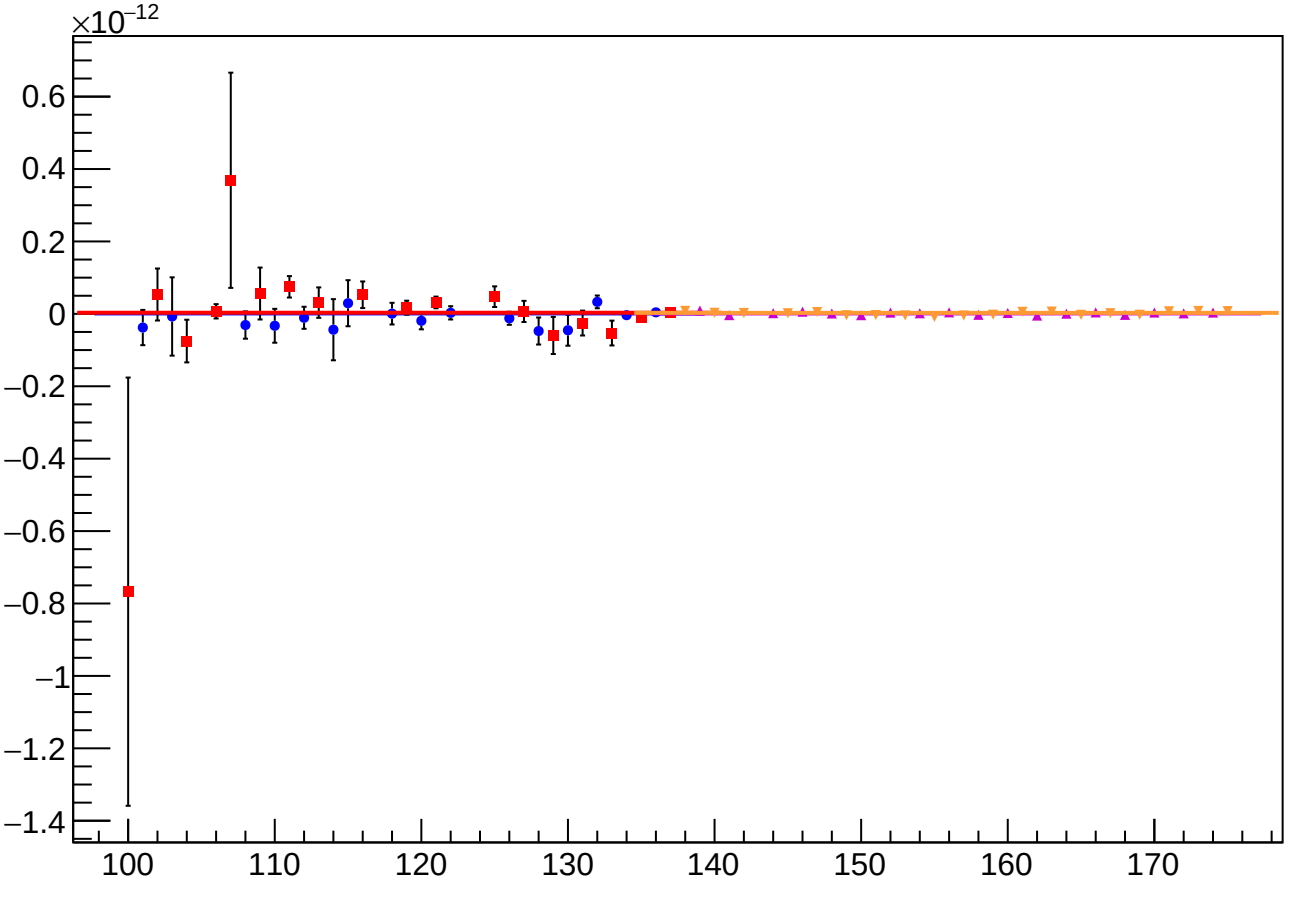
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.439+/-0.008 χ^2/NDF:421842.3/17

\+ sign 39.379+/-0.007 χ^2/NDF: 1987043.5/34

All: 39.700+/-0.005 χ^2/NDF: 3876500.2/70

\- sign 40.035+/-0.007 χ^2/NDF: 1884645.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.9/18

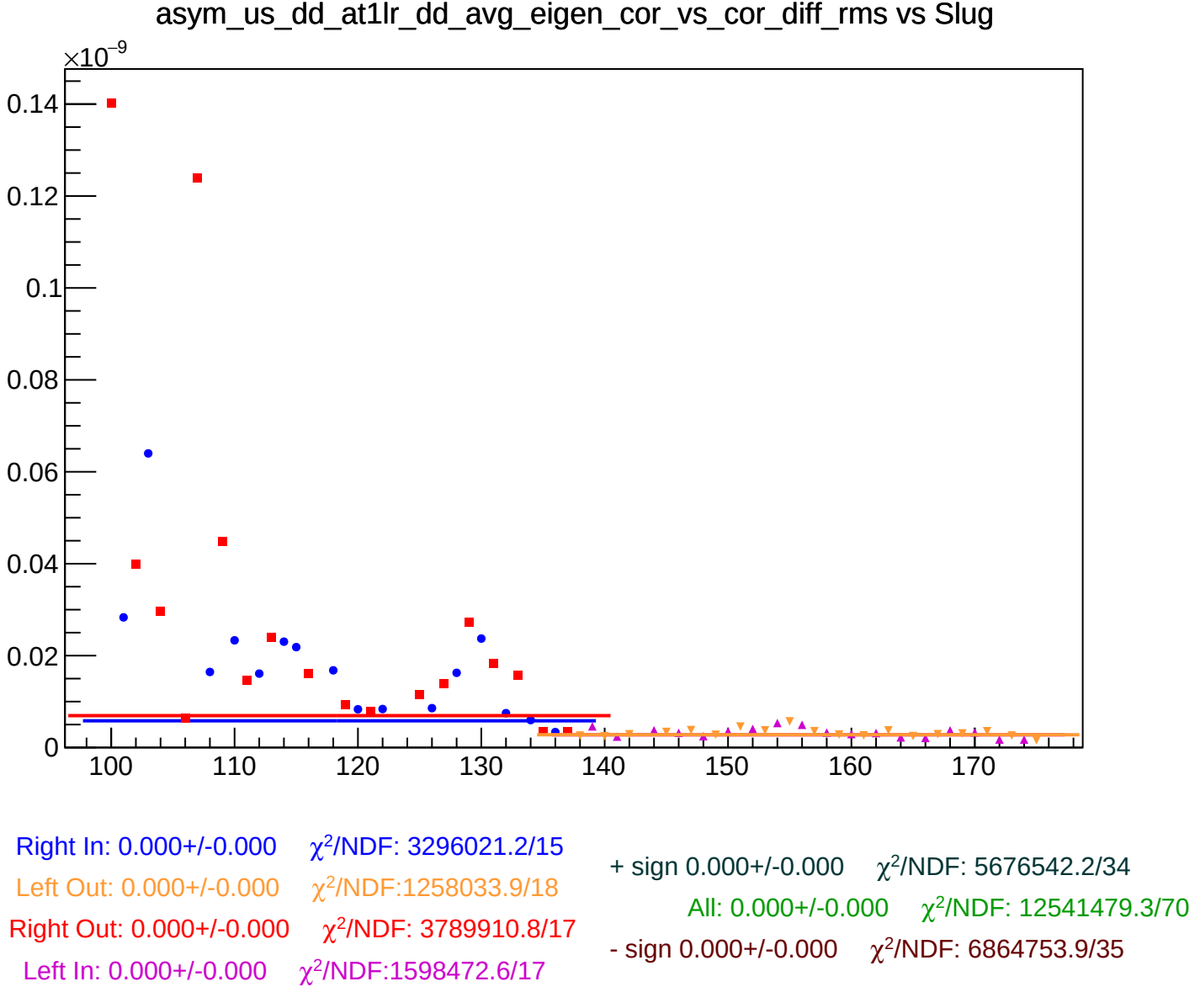
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:10.2/17

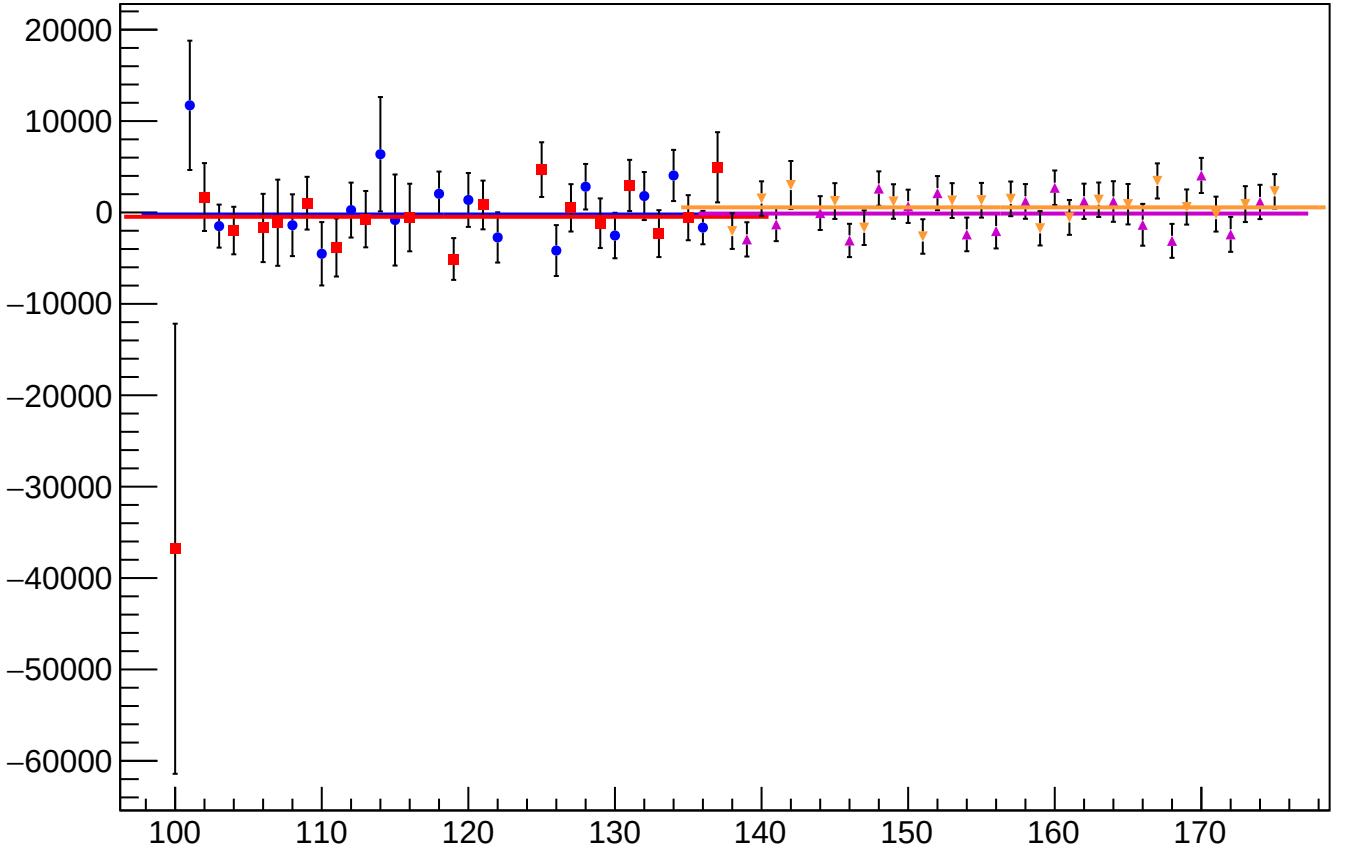
+ sign 0.000+/-0.000 χ^2/NDF: 32.6/34

All: 0.000+/-0.000 χ^2/NDF: 72.7/70

- sign 0.000+/-0.000 χ^2/NDF: 39.2/35


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1258033.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:1598472.6/17
+ sign 0.000+/-0.000 χ²/NDF: 5676542.2/34
All: 0.000+/-0.000 χ²/NDF: 12541479.3/70
- sign 0.000+/-0.000 χ²/NDF: 6864753.9/35

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 559.003+/-446.180 χ^2/NDF:13.3/18

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

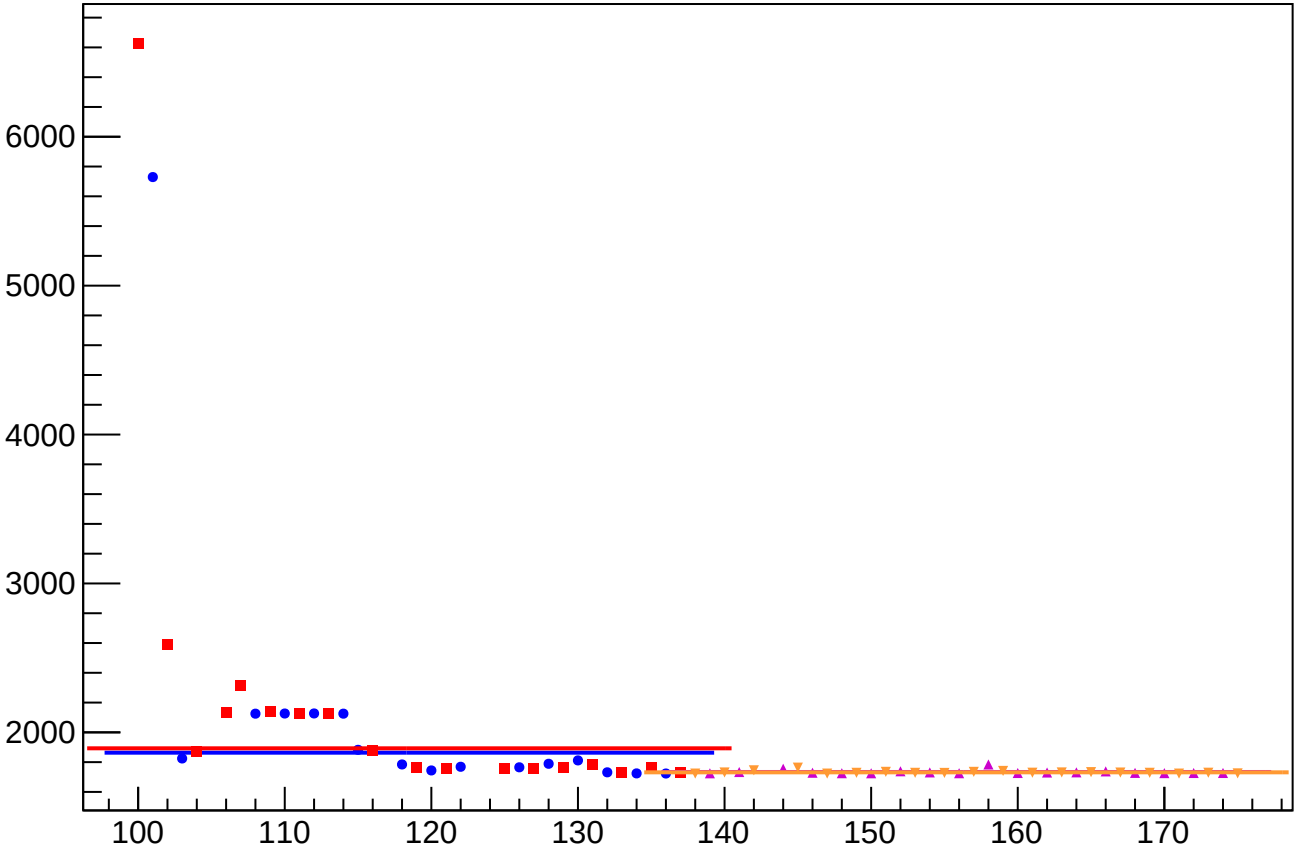
Left In: -121.369+/-449.449 χ^2/NDF:24.6/17

+ sign 337.236+/-377.650 χ^2/NDF: 30.0/34

All: 59.588+/-267.859 χ^2/NDF: 71.7/70

- sign -221.498+/-379.981 χ^2/NDF: 40.6/35

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1731.550+/-0.315 χ^2/NDF:811.8/18

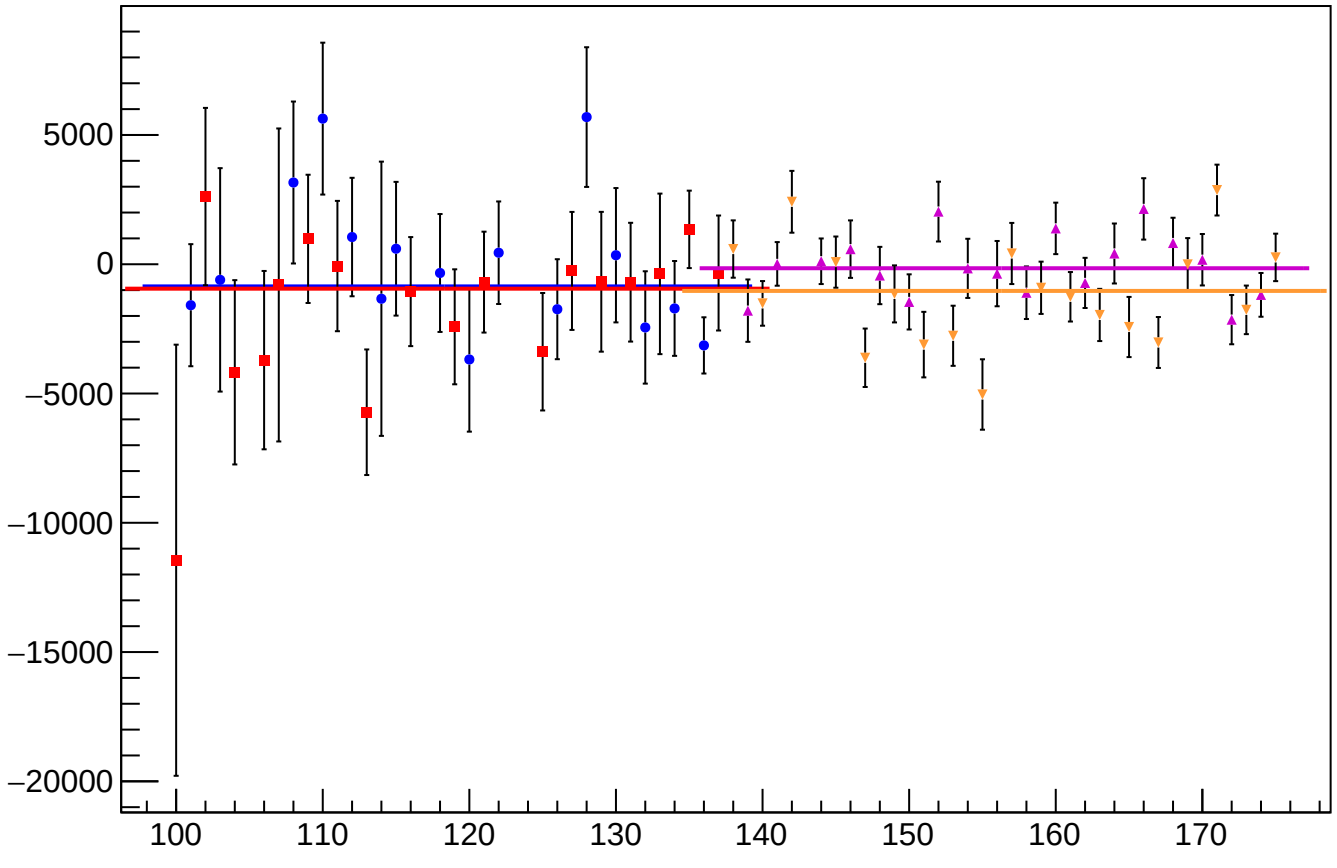
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.850+/-0.318 χ^2/NDF:2038.4/17

+ sign 1768.994+/-0.267 χ^2/NDF: 725143.3/34

All: 1774.069+/-0.189 χ^2/NDF: 1050830.3/70

- sign 1779.207+/-0.269 χ^2/NDF: 324960.1/35



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1031.423+/-240.872 χ^2/NDF:58.1/18

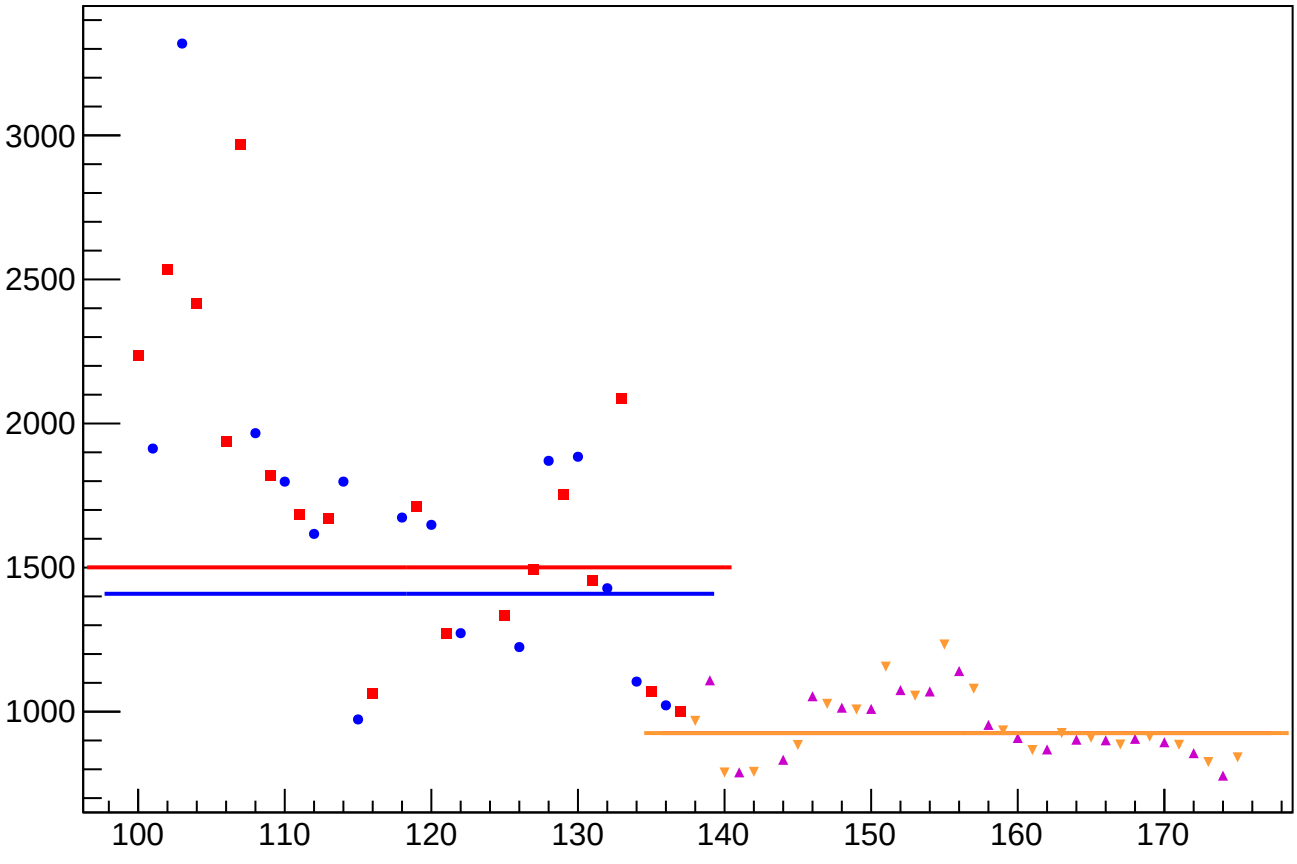
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -154.497+/-242.050 χ^2/NDF:22.1/17

+ sign -1003.382+/-220.627 χ^2/NDF: 78.8/34

All: -641.779+/-157.049 χ^2/NDF: 120.9/70

- sign -270.355+/-223.603 χ^2/NDF: 36.6/35



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 925.660+/-0.170 χ^2/NDF:390892.4/18

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

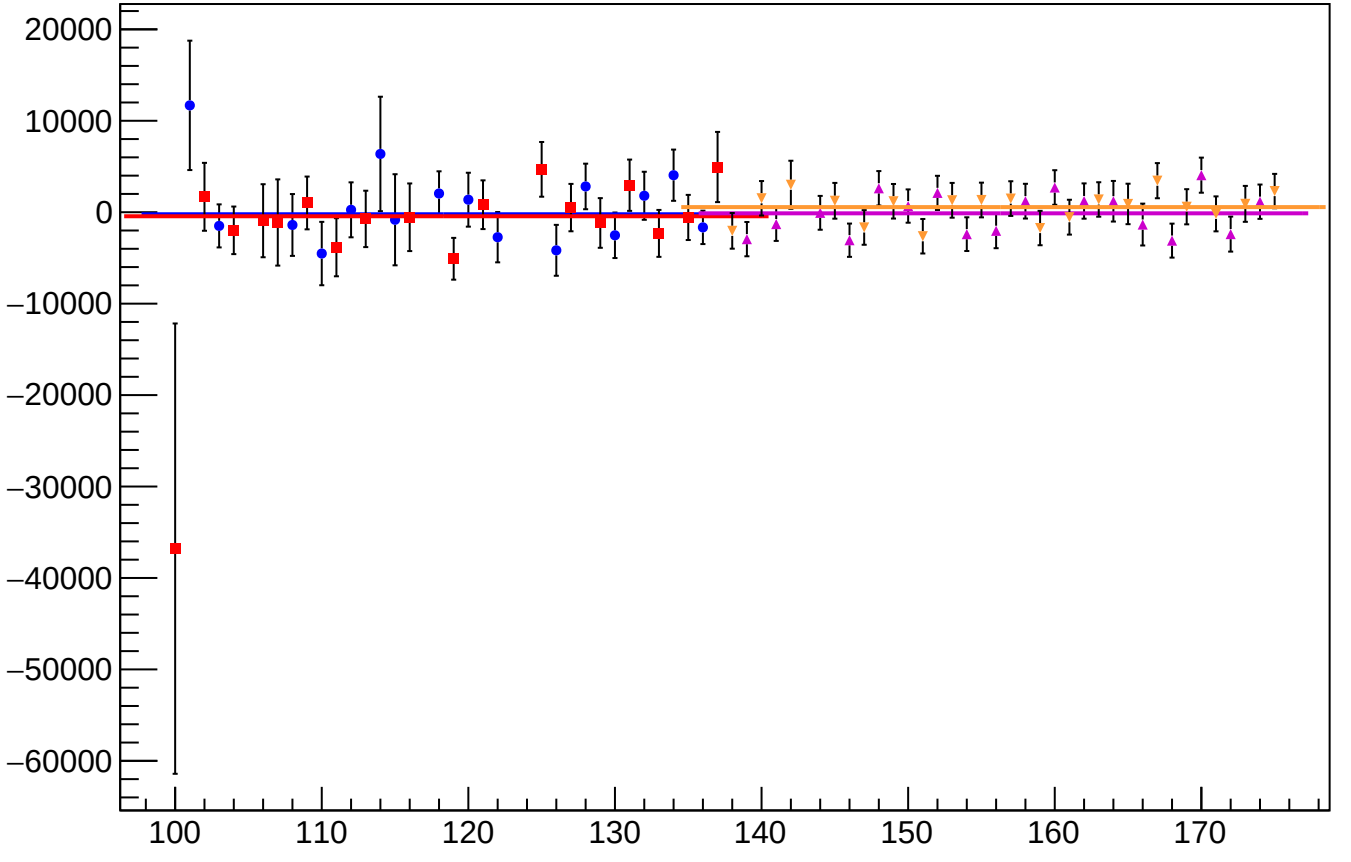
Left In: 925.756+/-0.171 χ^2/NDF:380258.1/17

+ sign 1003.511+/-0.156 χ^2/NDF: 2855942.5/34

All: 1006.745+/-0.111 χ^2/NDF: 5922850.0/70

- sign 1010.067+/-0.158 χ^2/NDF: 3066036.3/35

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 559.050+/-446.180 χ^2/NDF:13.3/18

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

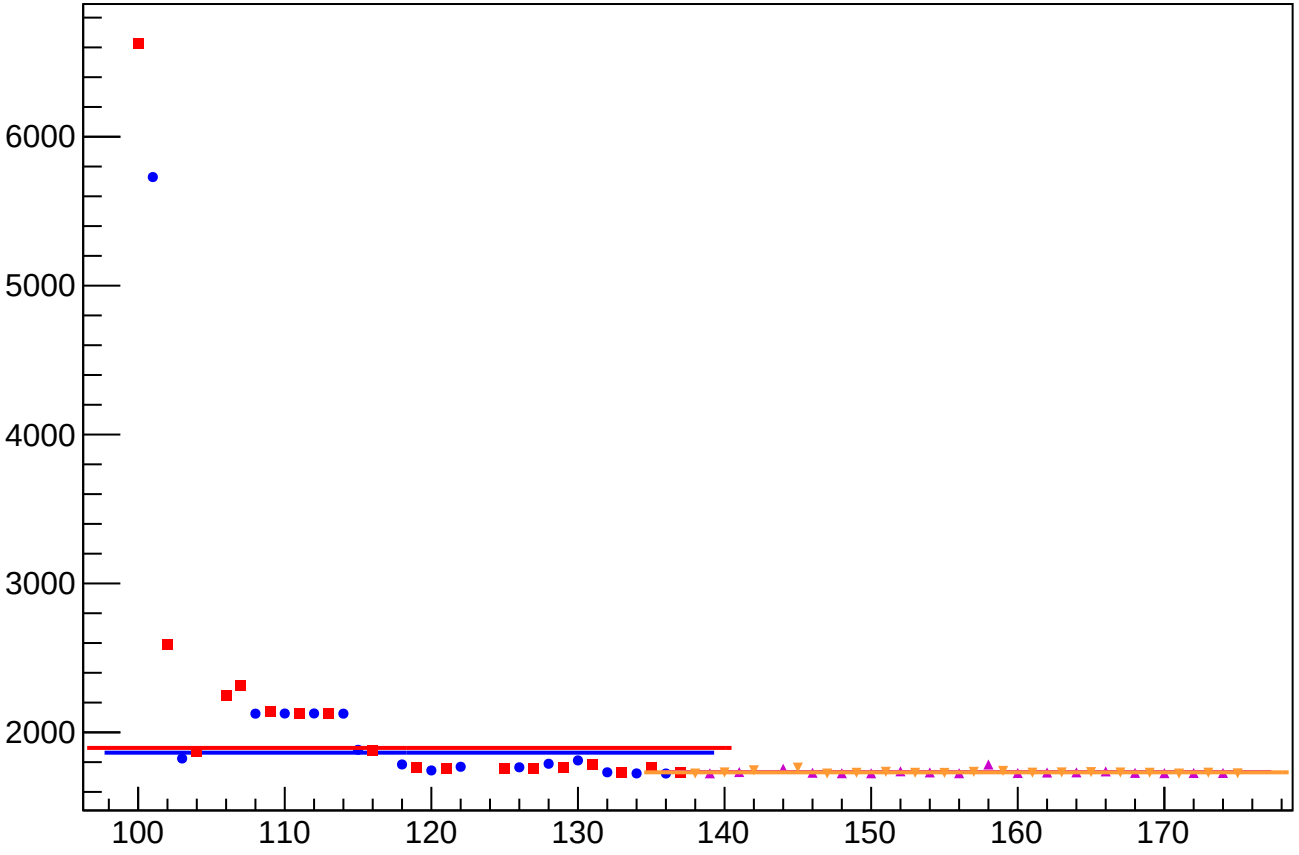
Left In: -121.407+/-449.449 χ^2/NDF:24.6/17

+ sign 337.049+/-377.650 χ^2/NDF: 30.0/34

All: 63.973+/-267.945 χ^2/NDF: 71.5/70

- sign -212.845+/-380.228 χ^2/NDF: 40.5/35

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.550+/-0.315 χ^2/NDF:811.8/18

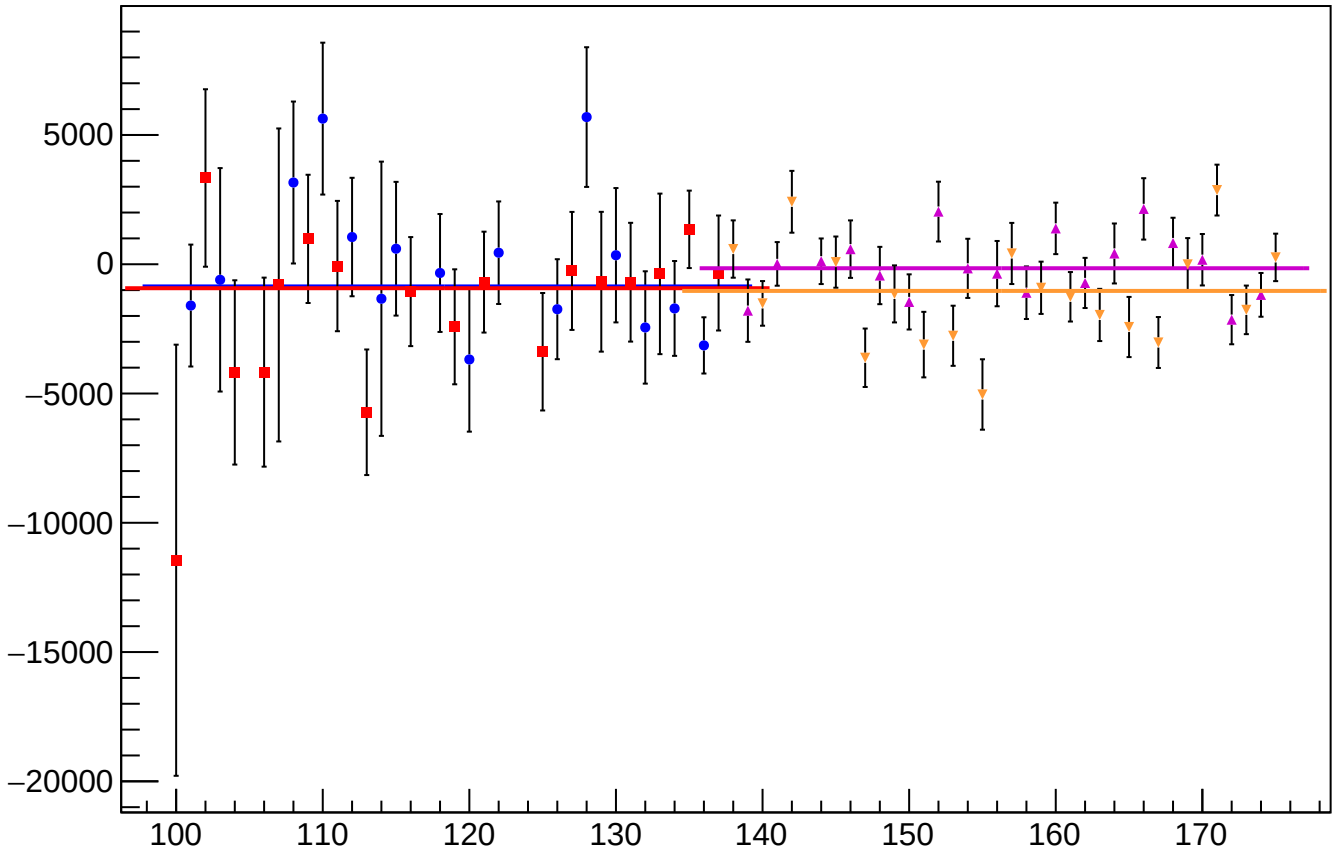
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.851+/-0.318 χ^2/NDF:2038.4/17

+ sign 1768.994+/-0.267 χ^2/NDF: 725143.1/34

All: 1774.363+/-0.189 χ^2/NDF: 1060713.7/70

- sign 1779.806+/-0.269 χ^2/NDF: 334756.4/35



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1031.439+/-240.872 χ^2/NDF:58.1/18

Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

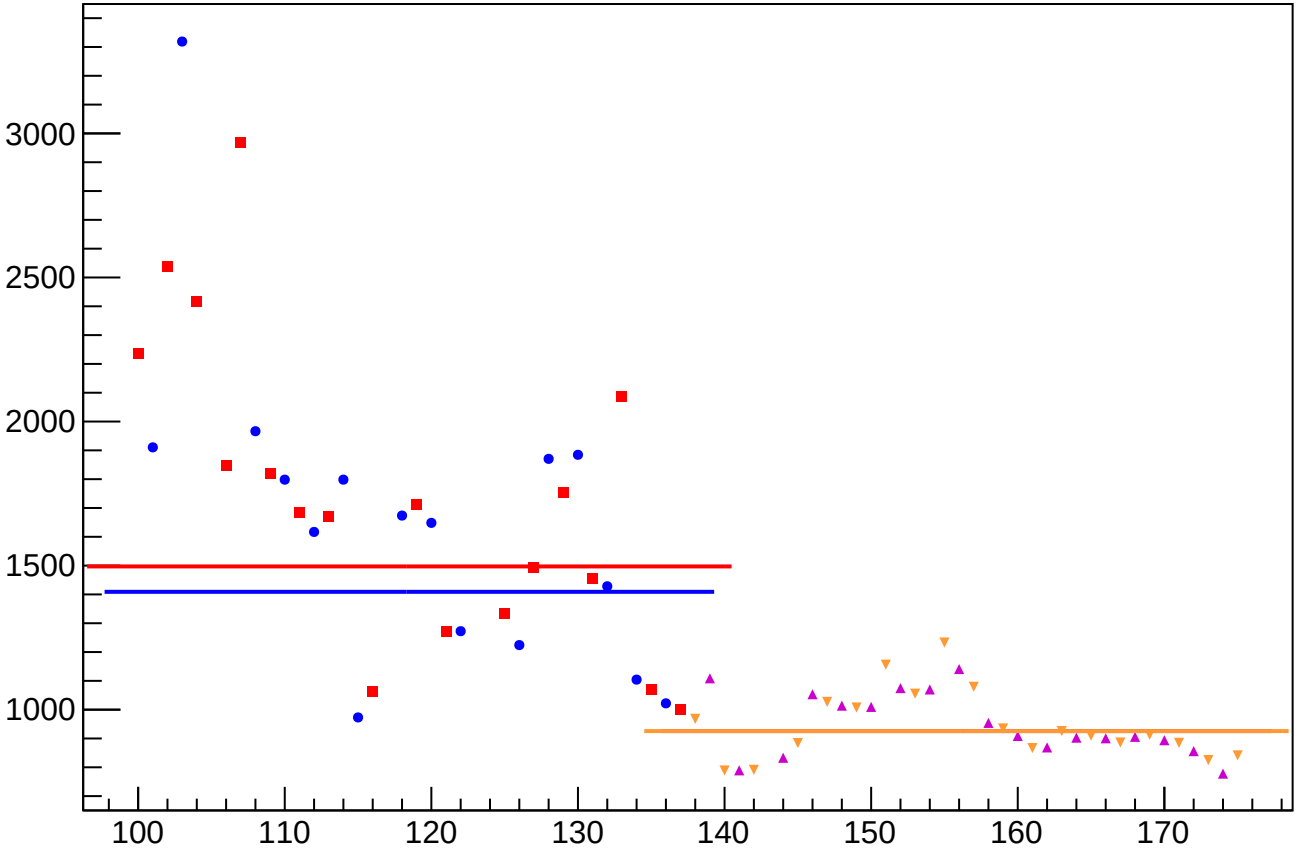
Left In: -154.512+/-242.049 χ^2/NDF:22.1/17

+ sign -1003.524+/-220.624 χ^2/NDF: 78.8/34

All: -640.529+/-157.065 χ^2/NDF: 121.5/70

- sign -267.494+/-223.654 χ^2/NDF: 37.2/35

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 925.658+/-0.170 χ^2/NDF:390879.4/18

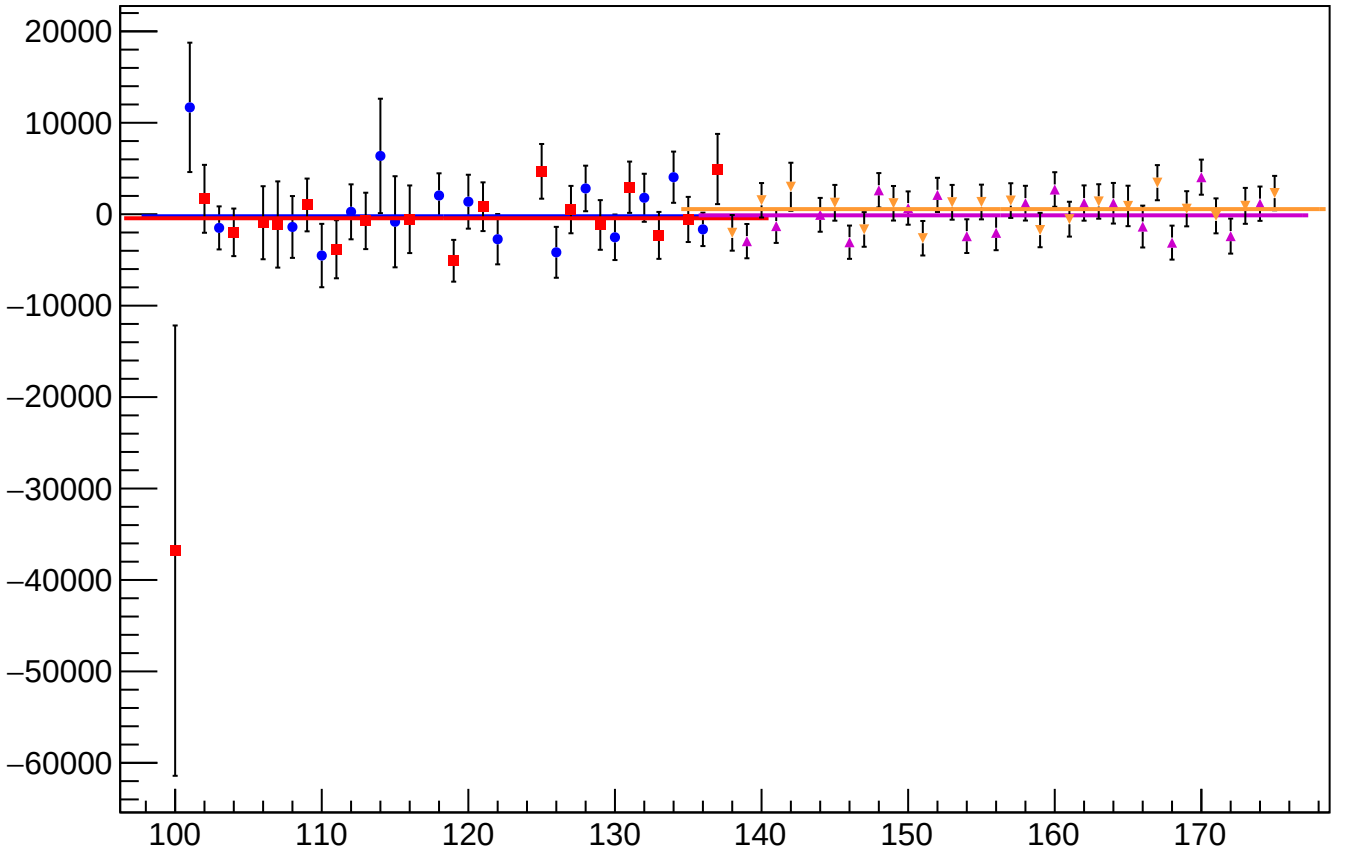
Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 925.752+/-0.171 χ^2/NDF:380275.0/17

+ sign 1003.506+/-0.156 χ^2/NDF: 2855056.1/34

All: 1006.365+/-0.111 χ^2/NDF: 5883836.4/70

- sign 1009.302+/-0.158 χ^2/NDF: 3028099.4/35



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 559.050+/-446.180 χ^2/NDF:13.3/18

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

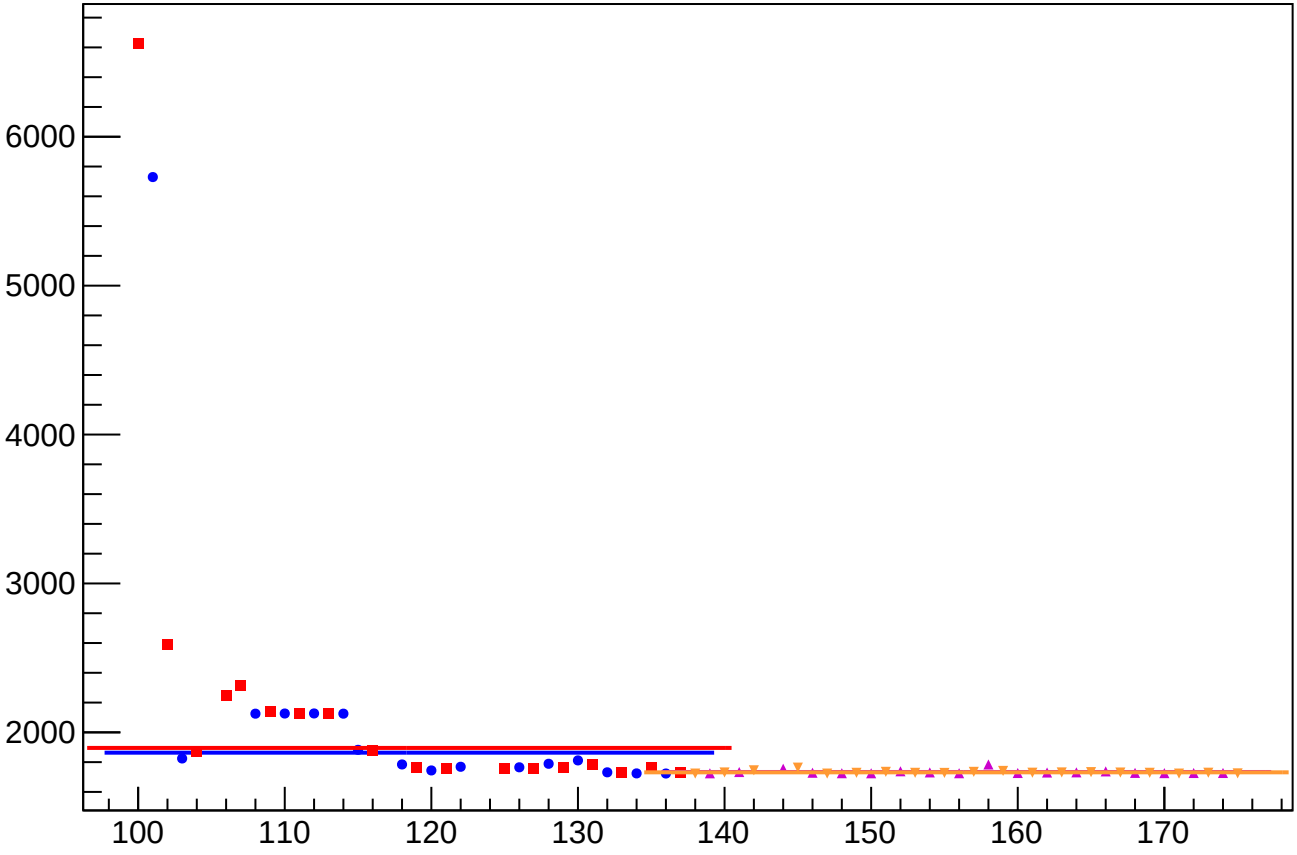
Left In: -121.407+/-449.449 χ^2/NDF:24.6/17

+ sign 337.049+/-377.650 χ^2/NDF: 30.0/34

All: 63.973+/-267.945 χ^2/NDF: 71.5/70

- sign -212.845+/-380.228 χ^2/NDF: 40.5/35

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.550+/-0.315 χ^2/NDF:811.8/18

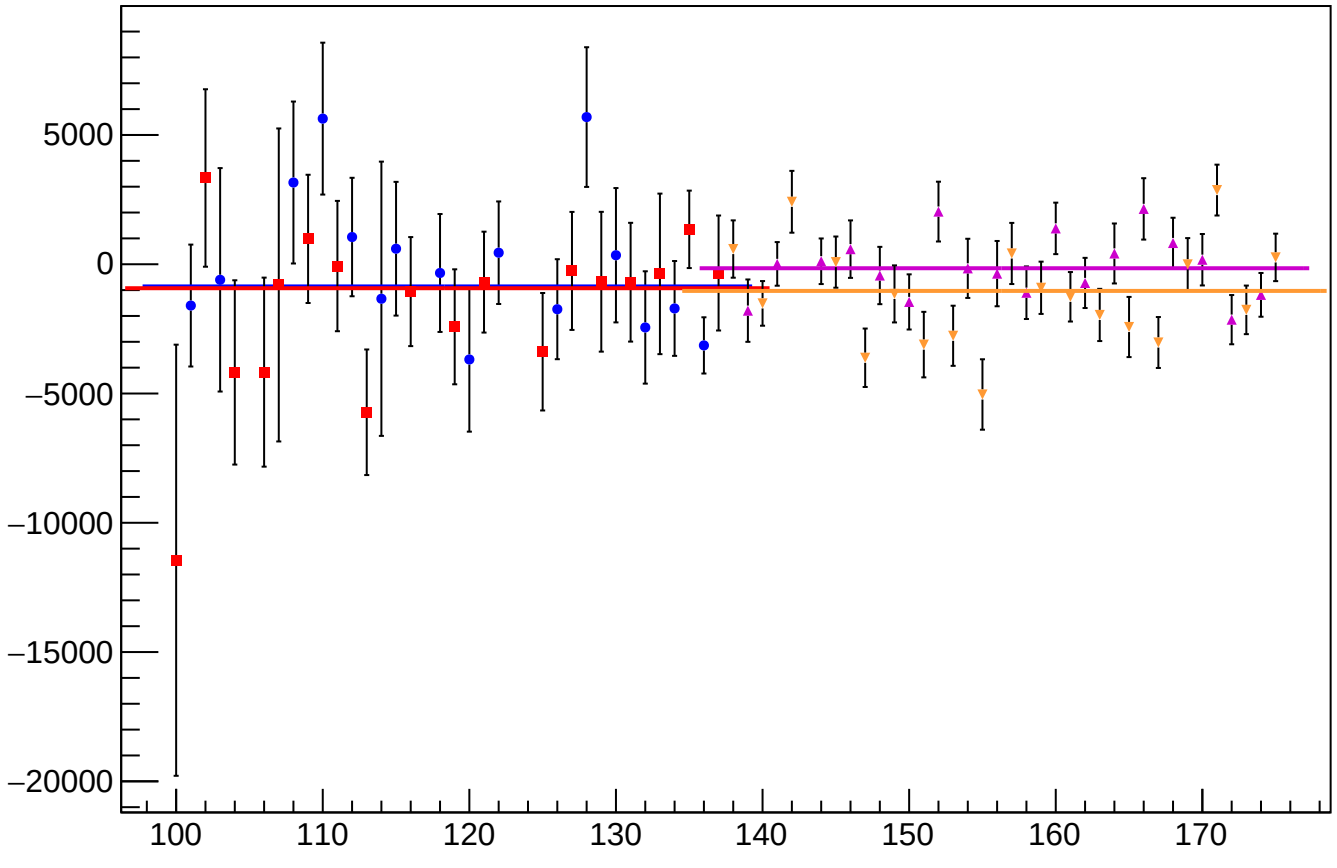
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.851+/-0.318 χ^2/NDF:2038.4/17

+ sign 1768.994+/-0.267 χ^2/NDF: 725143.1/34

All: 1774.363+/-0.189 χ^2/NDF: 1060713.7/70

- sign 1779.806+/-0.269 χ^2/NDF: 334756.4/35



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1031.439+/-240.872 χ^2/NDF:58.1/18

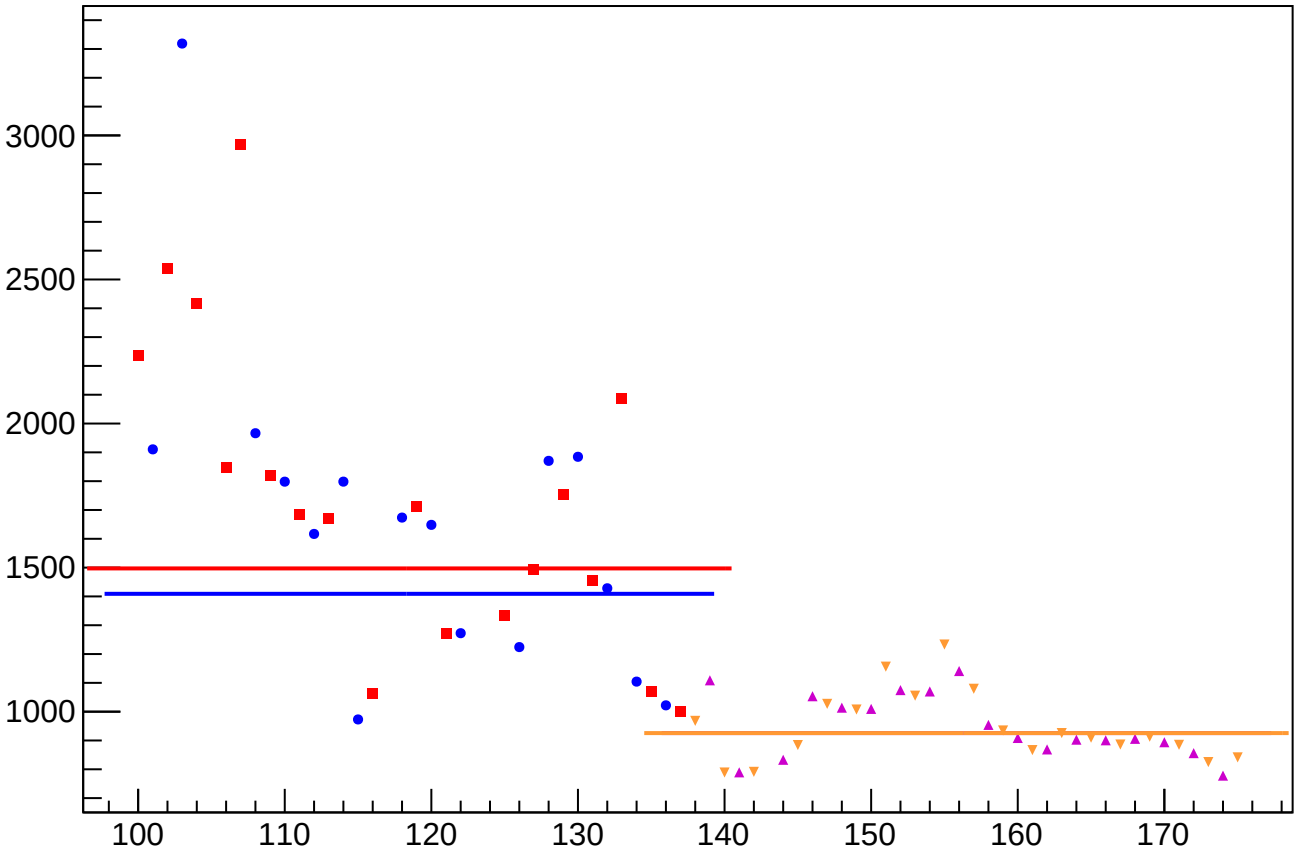
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -154.512+/-242.049 χ^2/NDF:22.1/17

+ sign -1003.524+/-220.624 χ^2/NDF: 78.8/34

All: -640.529+/-157.065 χ^2/NDF: 121.5/70

- sign -267.494+/-223.654 χ^2/NDF: 37.2/35



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 925.658+/-0.170 χ^2/NDF:390879.4/18

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

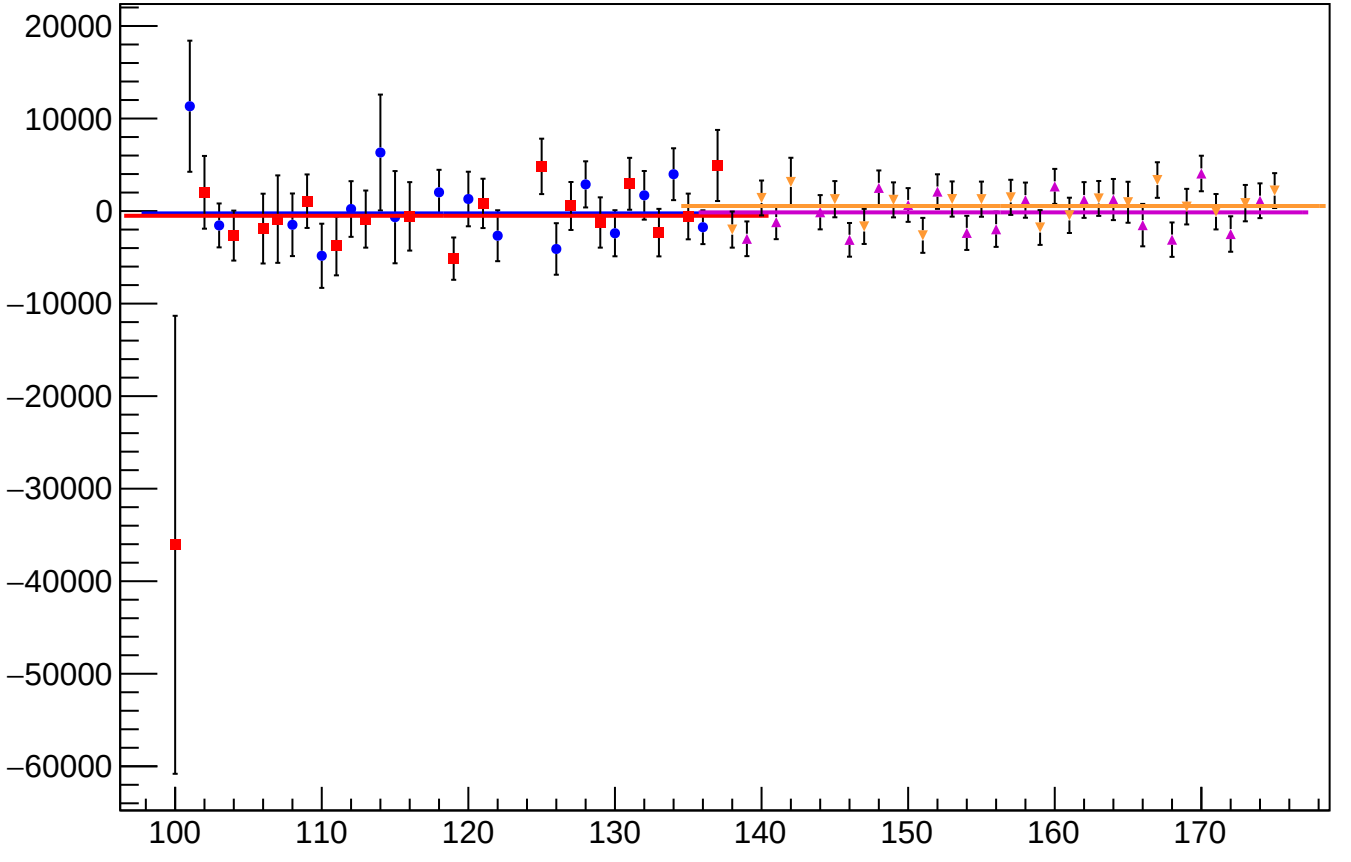
Left In: 925.752+/-0.171 χ^2/NDF:380275.0/17

+ sign 1003.506+/-0.156 χ^2/NDF: 2855056.1/34

All: 1006.365+/-0.111 χ^2/NDF: 5883836.4/70

- sign 1009.302+/-0.158 χ^2/NDF: 3028099.4/35

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 546.792+/-446.426 χ^2/NDF:13.0/18

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

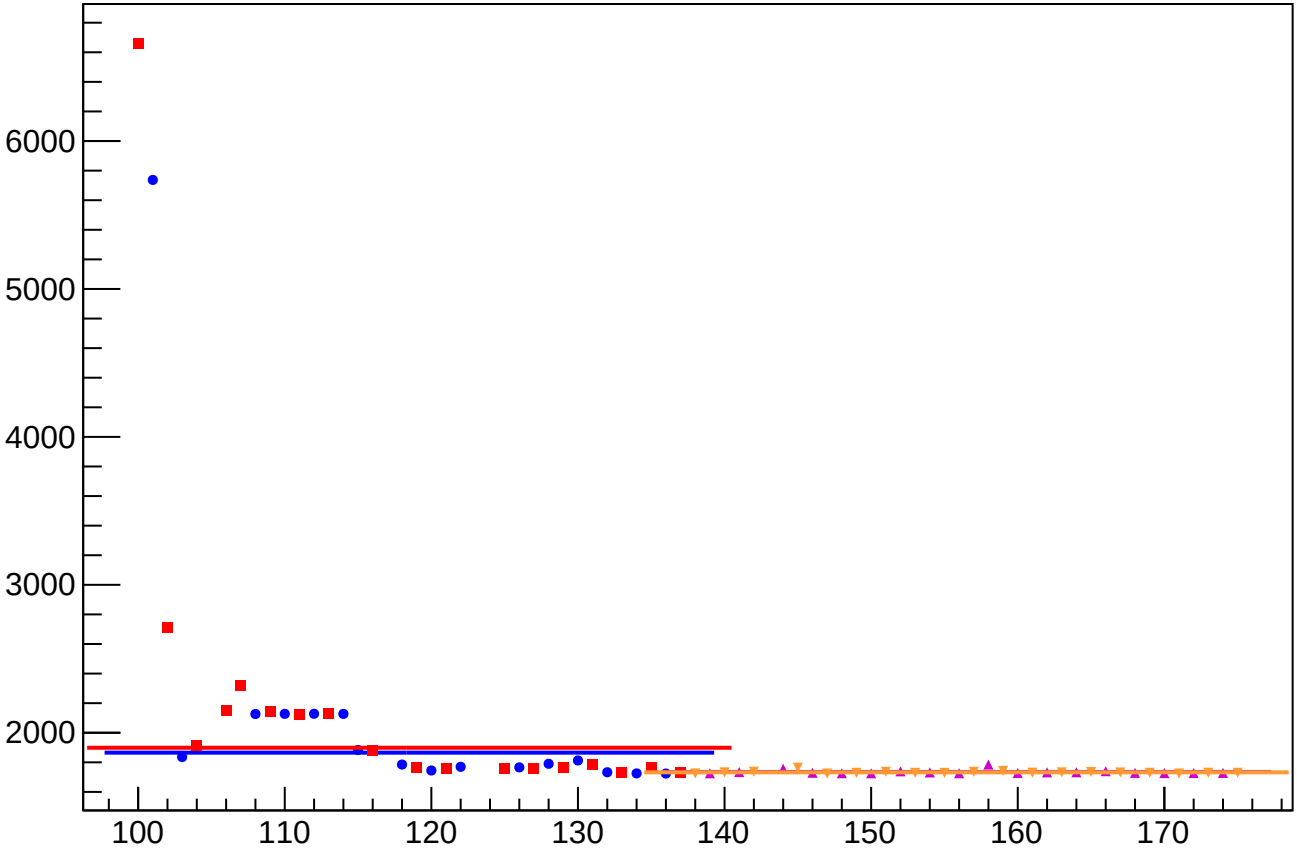
Left In: -141.532+/-449.703 χ^2/NDF:24.4/17

+ sign 320.448+/-377.923 χ^2/NDF: 29.5/34

All: 39.366+/-268.221 χ^2/NDF: 71.7/70

- sign -245.916+/-380.736 χ^2/NDF: 41.0/35

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.473+/-0.316 χ^2/NDF:731.1/18

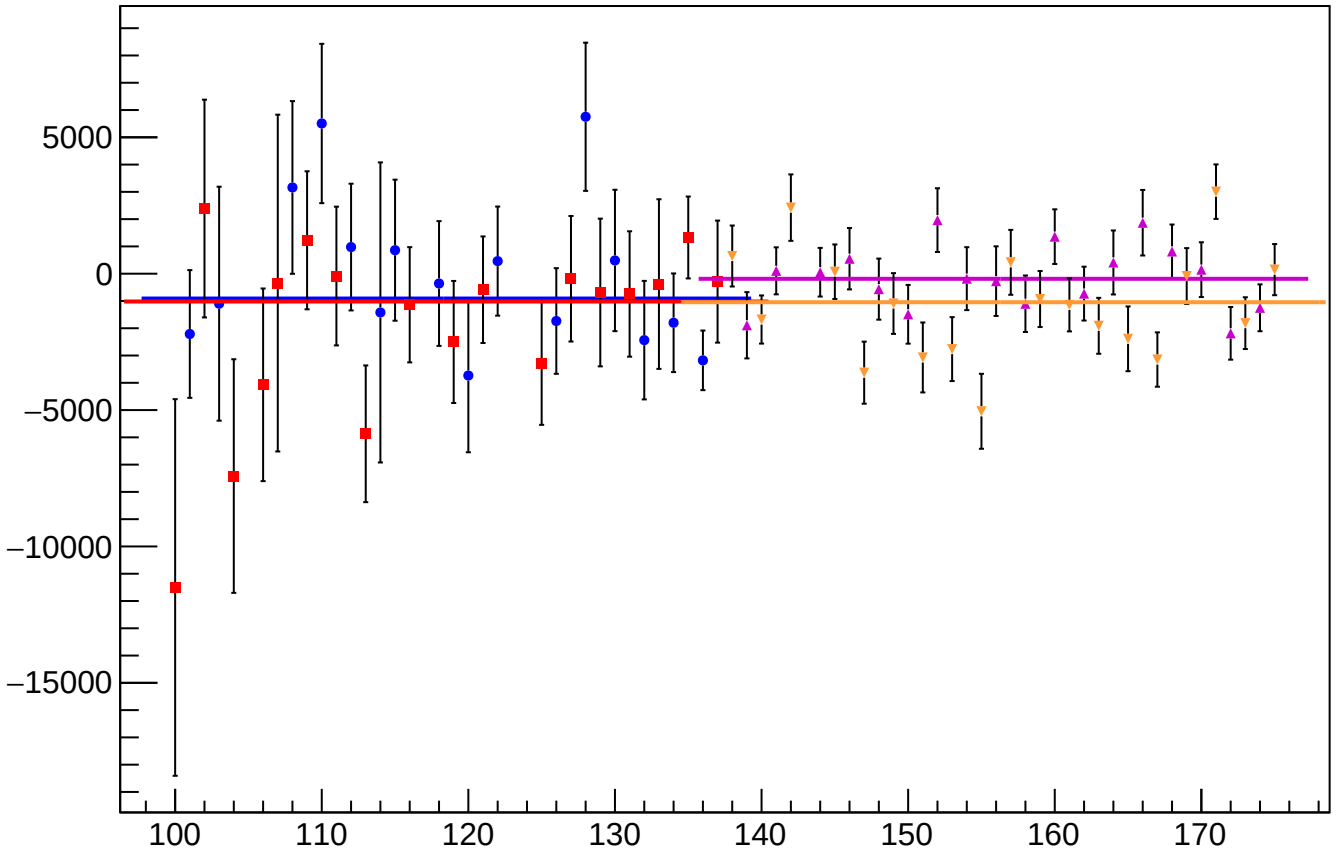
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.831+/-0.318 χ^2/NDF:2032.6/17

+ sign 1770.149+/-0.267 χ^2/NDF: 725994.4/34

All: 1775.639+/-0.190 χ^2/NDF: 1073108.1/70

- sign 1781.212+/-0.269 χ^2/NDF: 346263.2/35



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1046.157+/-243.999 χ^2/NDF:58.1/18

Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

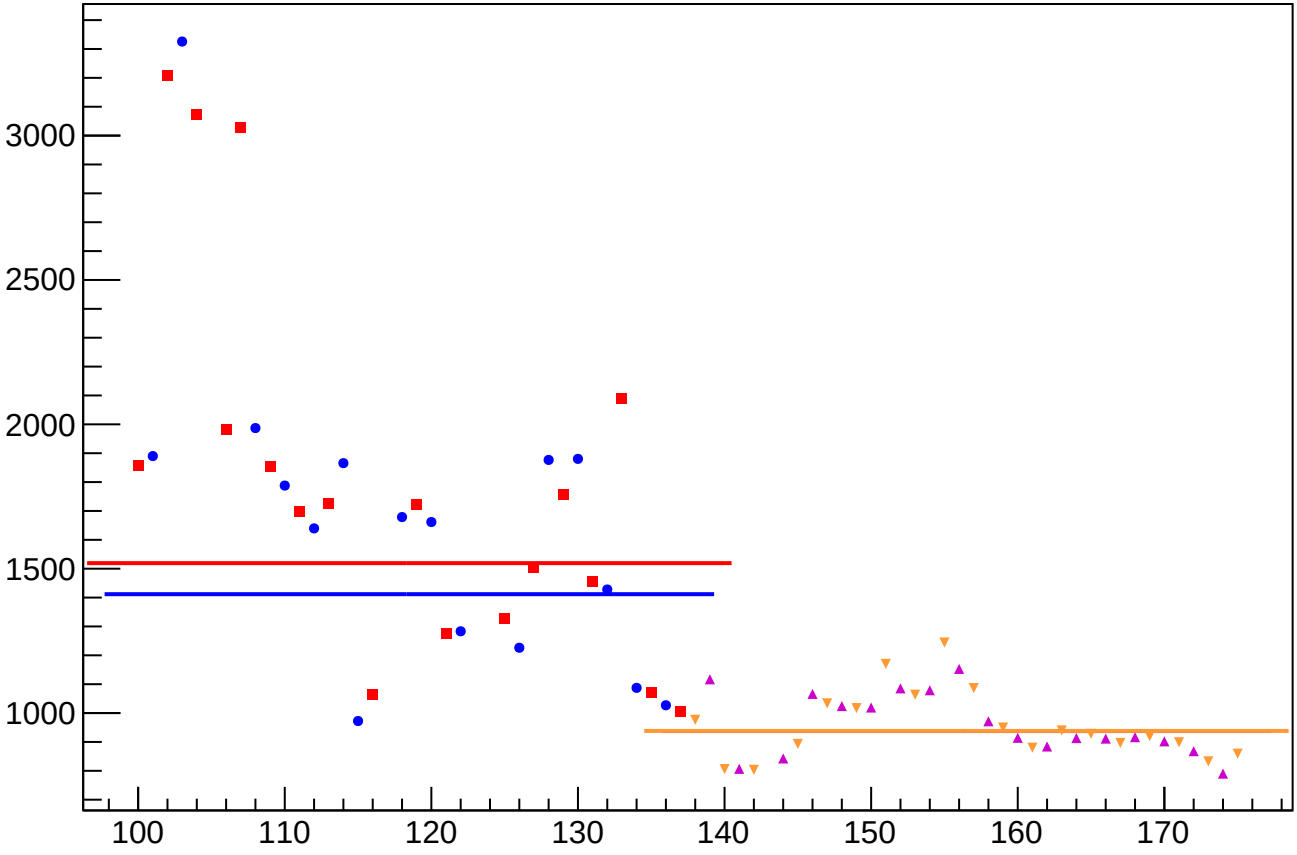
Left In: -187.673+/-245.062 χ^2/NDF:21.2/17

+ sign -1023.980+/-223.092 χ^2/NDF: 79.1/34

All: -672.053+/-158.908 χ^2/NDF: 121.9/70

- sign -309.594+/-226.406 χ^2/NDF: 37.8/35

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 938.190+/-0.173 χ^2/NDF:372483.1/18

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

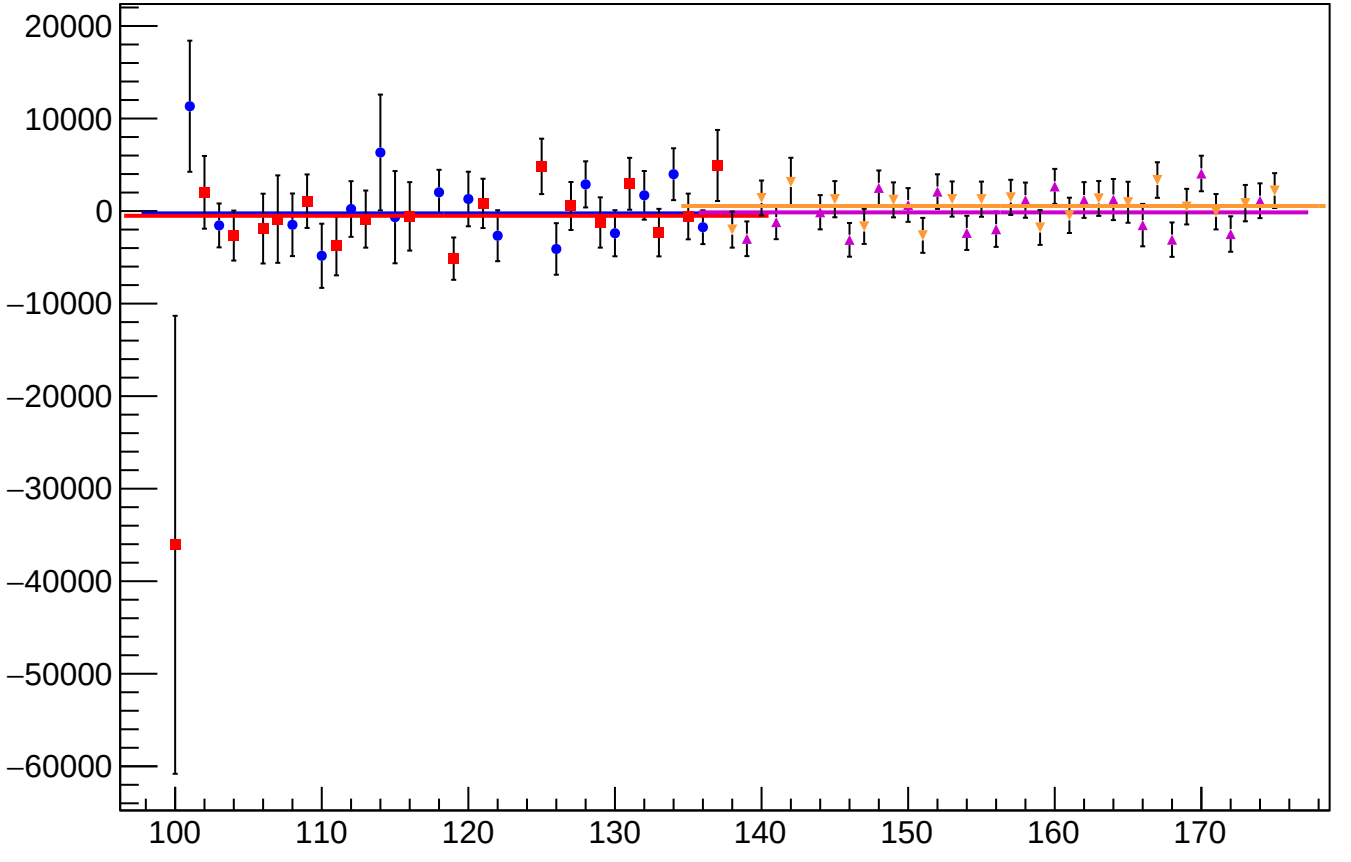
Left In: 937.749+/-0.173 χ^2/NDF:364529.5/17

\+ sign 1015.867+/-0.158 χ^2/NDF: 2785956.3/34

All: 1019.343+/-0.112 χ^2/NDF: 6161225.3/70

\- sign 1022.923+/-0.160 χ^2/NDF: 3374283.4/35

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: 546.792+/-446.426 χ^2/NDF:13.0/18

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

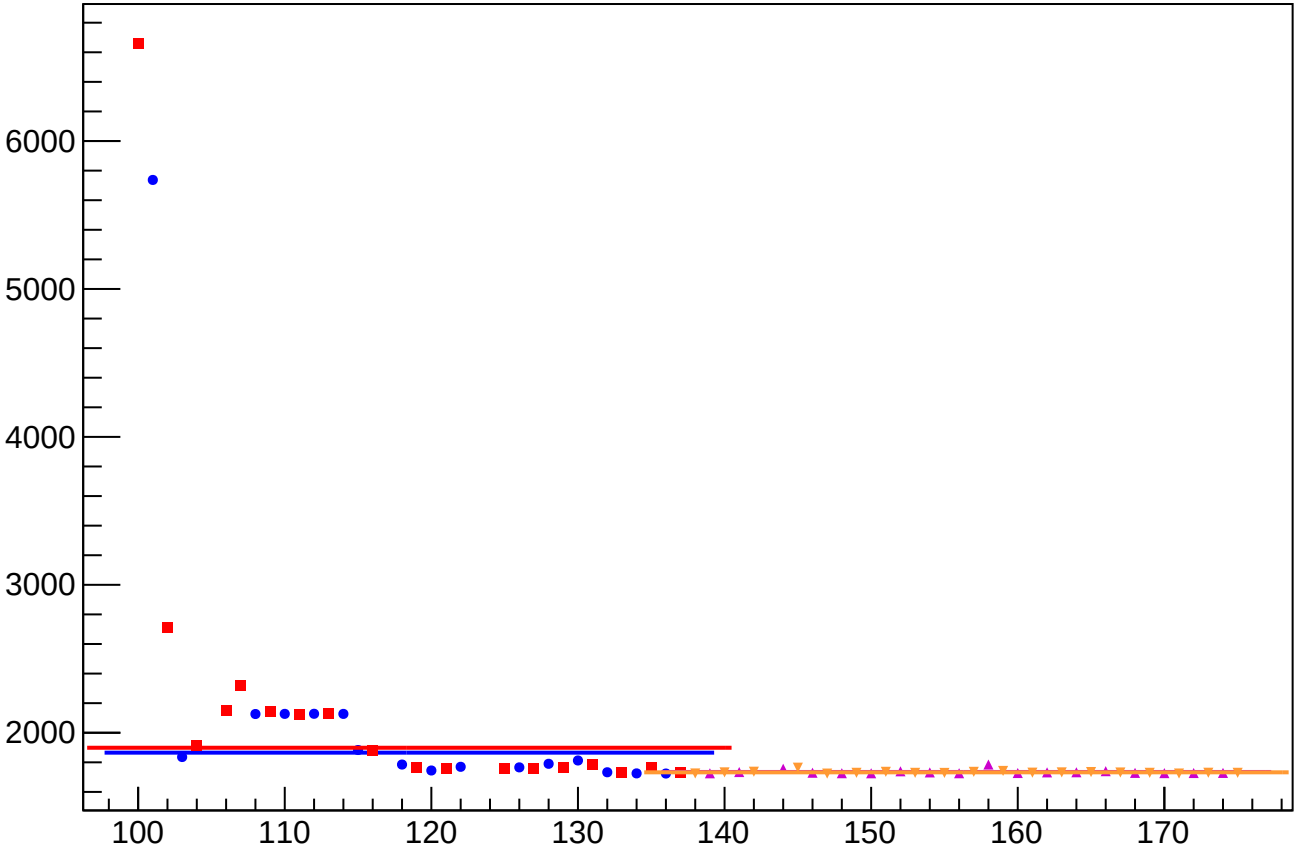
Left In: -141.532+/-449.703 χ^2/NDF:24.4/17

+ sign 320.448+/-377.923 χ^2/NDF: 29.5/34

All: 39.366+/-268.221 χ^2/NDF: 71.7/70

- sign -245.917+/-380.736 χ^2/NDF: 41.0/35

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.473+/-0.316 χ^2/NDF:731.1/18

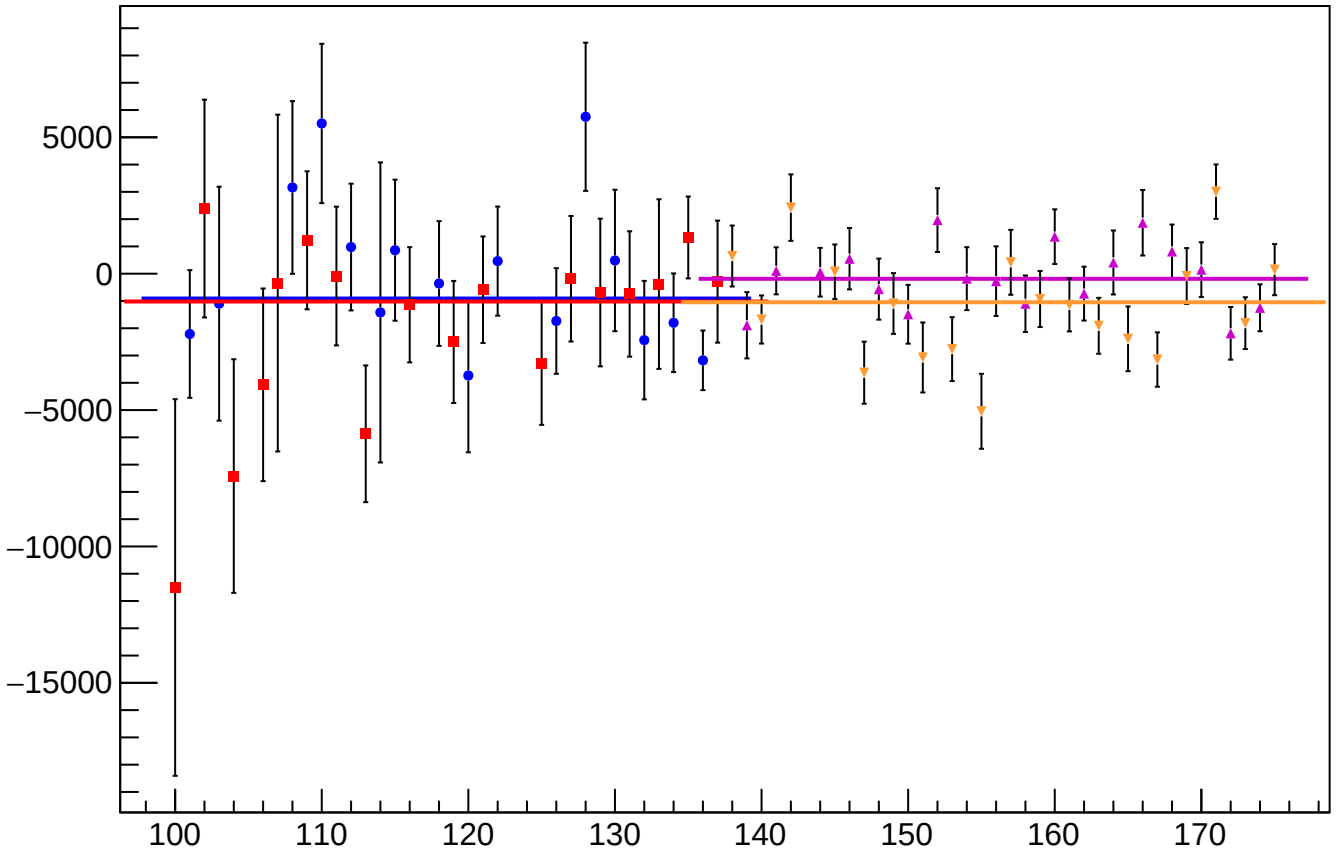
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1734.831+/-0.318 χ^2/NDF:2032.6/17

+ sign 1770.149+/-0.267 χ^2/NDF: 725994.4/34

All: 1775.639+/-0.190 χ^2/NDF: 1073107.7/70

- sign 1781.212+/-0.269 χ^2/NDF: 346262.9/35



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -1046.156+/-243.999 χ^2/NDF:58.1/18

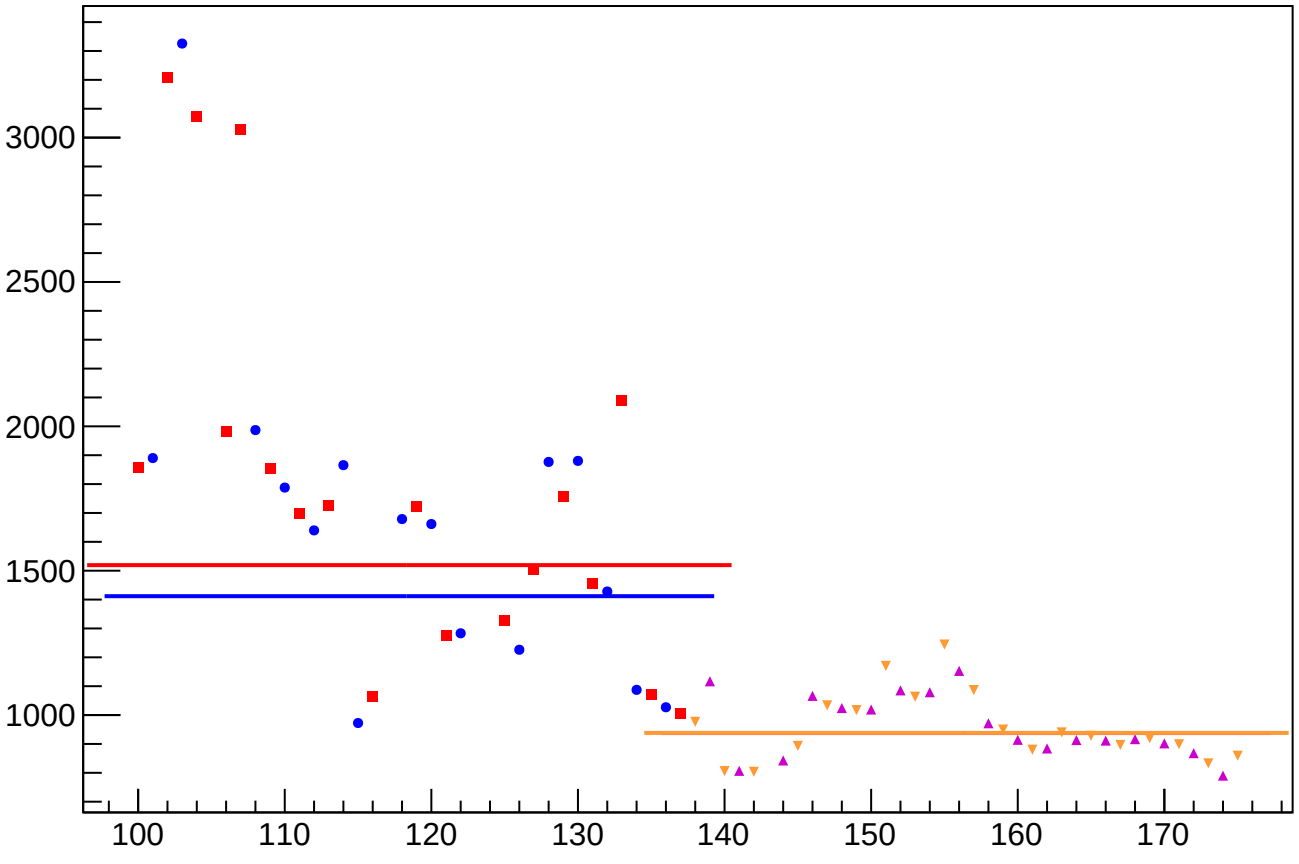
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -187.671+/-245.061 χ^2/NDF:21.2/17

+ sign -1023.978+/-223.092 χ^2/NDF: 79.1/34

All: -672.051+/-158.908 χ^2/NDF: 121.9/70

- sign -309.592+/-226.406 χ^2/NDF: 37.8/35



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 938.189+/-0.173 χ^2/NDF:372491.5/18

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

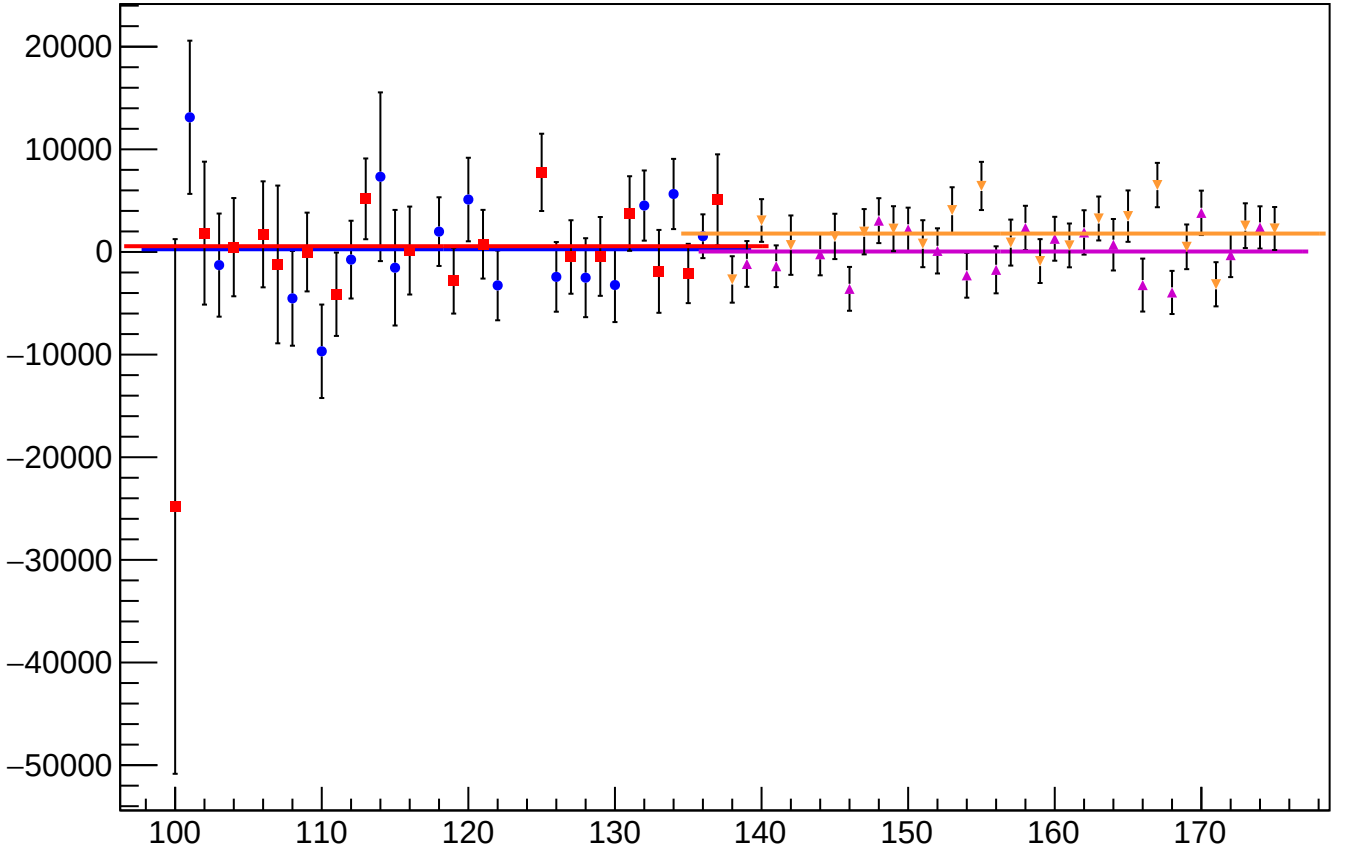
Left In: 937.749+/-0.173 χ^2/NDF:364537.9/17

+ sign 1015.867+/-0.158 χ^2/NDF: 2785954.6/34

All: 1019.343+/-0.112 χ^2/NDF: 6161226.8/70

- sign 1022.923+/-0.160 χ^2/NDF: 3374286.5/35

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1793.313+/-510.780 χ^2/NDF:23.2/18

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

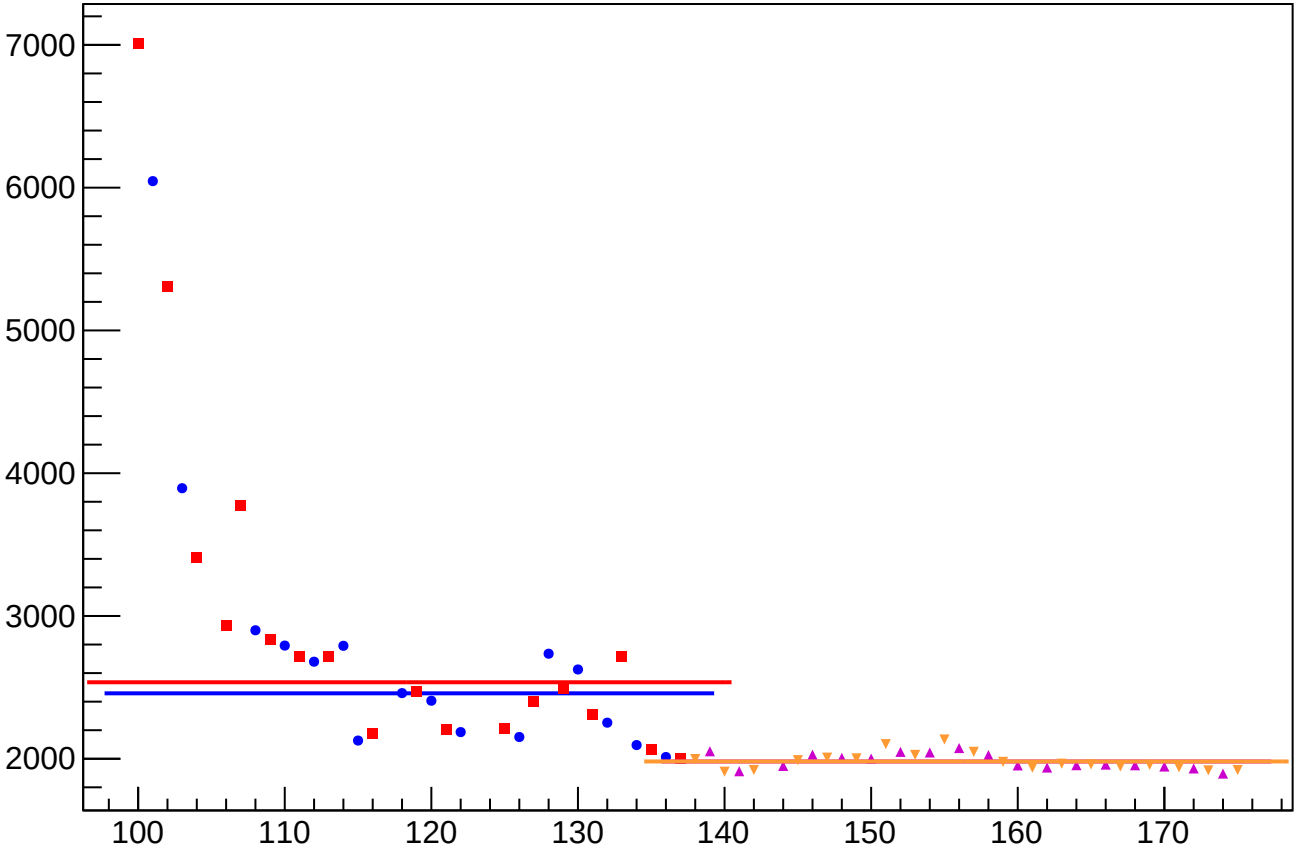
Left In: 44.808+/-513.673 χ^2/NDF:20.2/17

+ sign 1445.913+/-449.017 χ^2/NDF: 44.2/34

All: 808.526+/-318.979 χ^2/NDF: 80.5/70

- sign 159.148+/-453.221 χ^2/NDF: 32.2/35

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1981.053+/-0.361 χ^2/NDF:26643.0/18

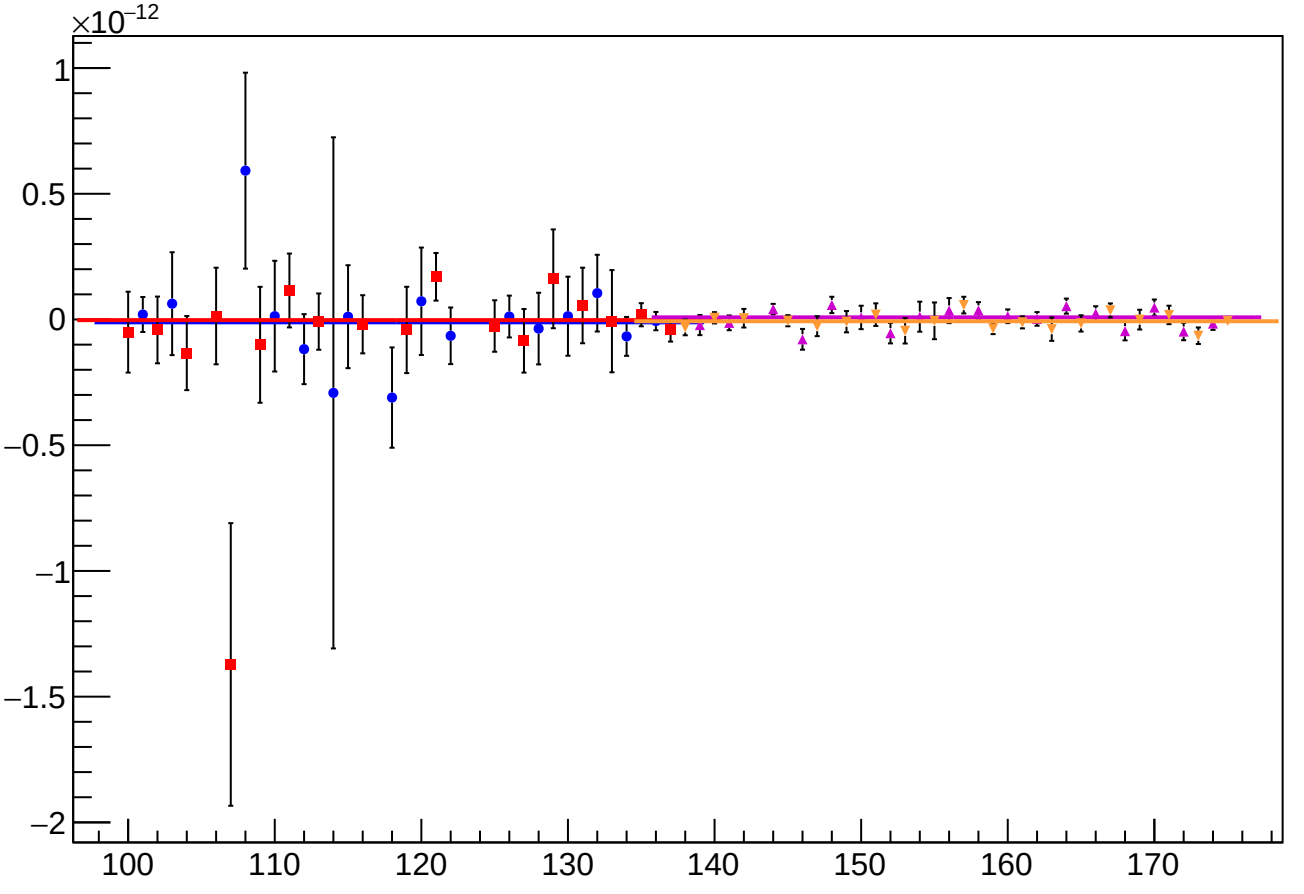
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1980.741+/-0.363 χ^2/NDF:20774.7/17

+ sign 2089.499+/-0.318 χ^2/NDF: 1256310.1/34

All: 2096.531+/-0.226 χ^2/NDF: 2468695.7/70

- sign 2103.696+/-0.320 χ^2/NDF: 1211395.3/35



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/18

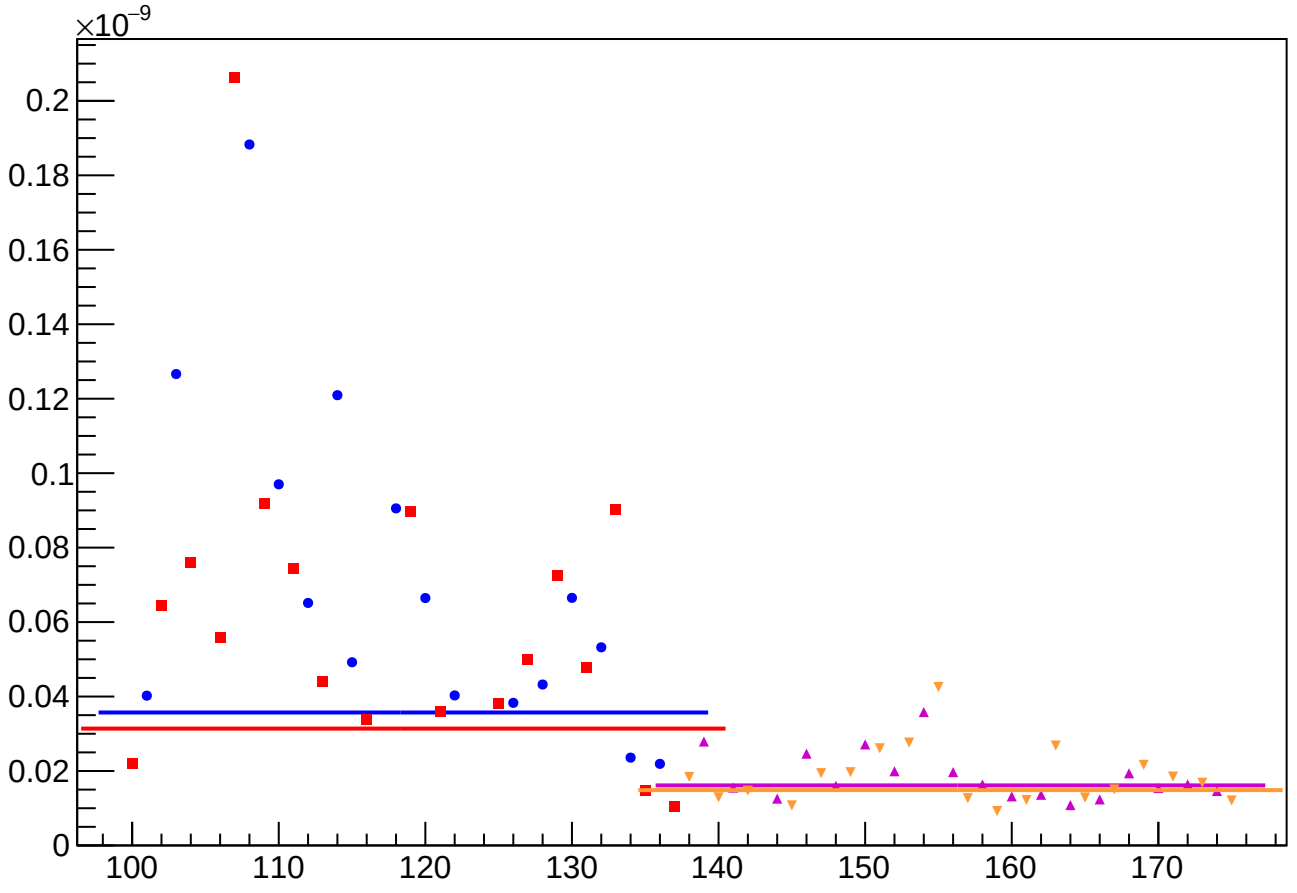
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:23.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 21.6/34

All: -0.000+/-0.000 χ^2/NDF: 60.9/70

- sign 0.000+/-0.000 χ^2/NDF: 37.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1130551.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

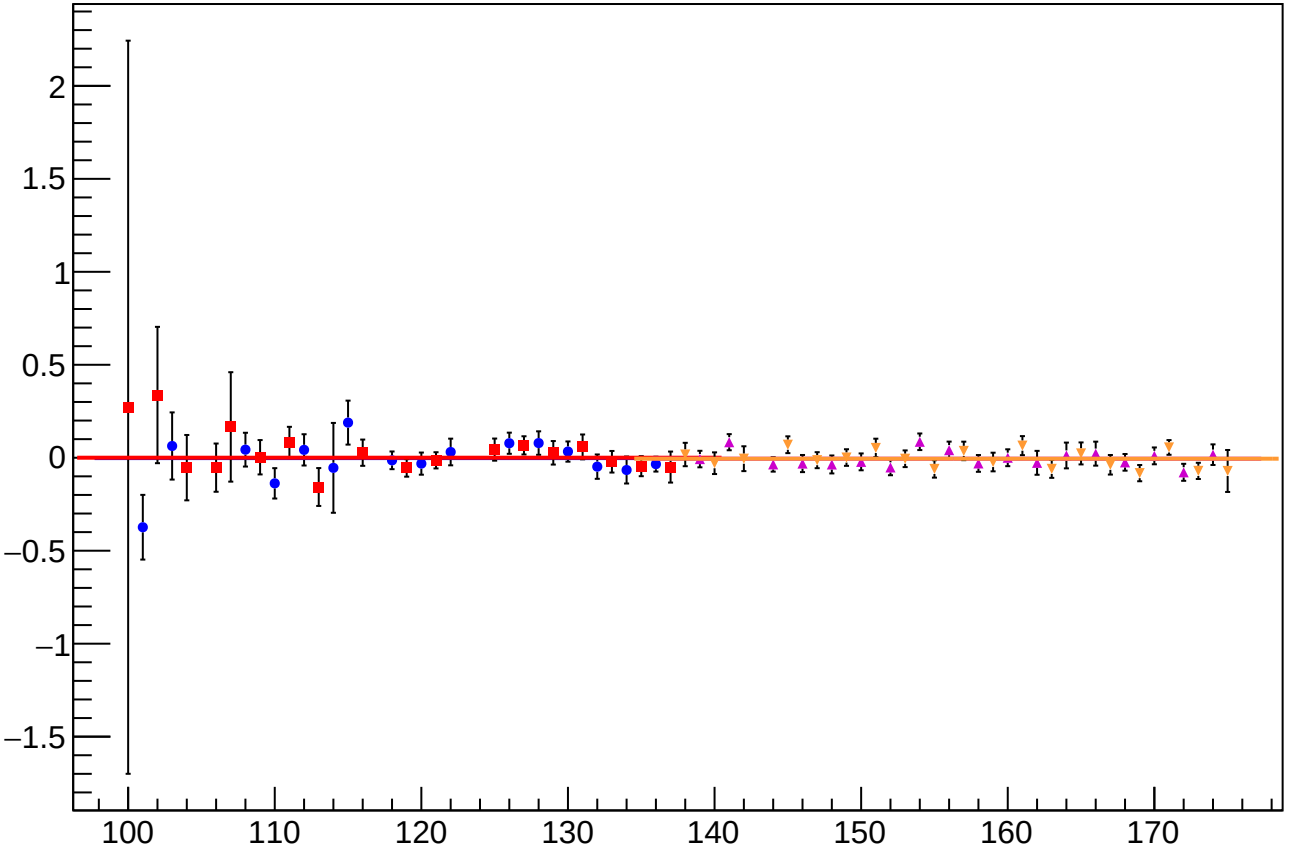
Left In: 0.000+/-0.000 χ^2/NDF:834365.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 4087357.1/34

All: 0.000+/-0.000 χ^2/NDF: 7727647.4/70

- sign 0.000+/-0.000 χ^2/NDF: 3617287.2/35

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.005+/-0.011 χ^2/NDF:18.6/18

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

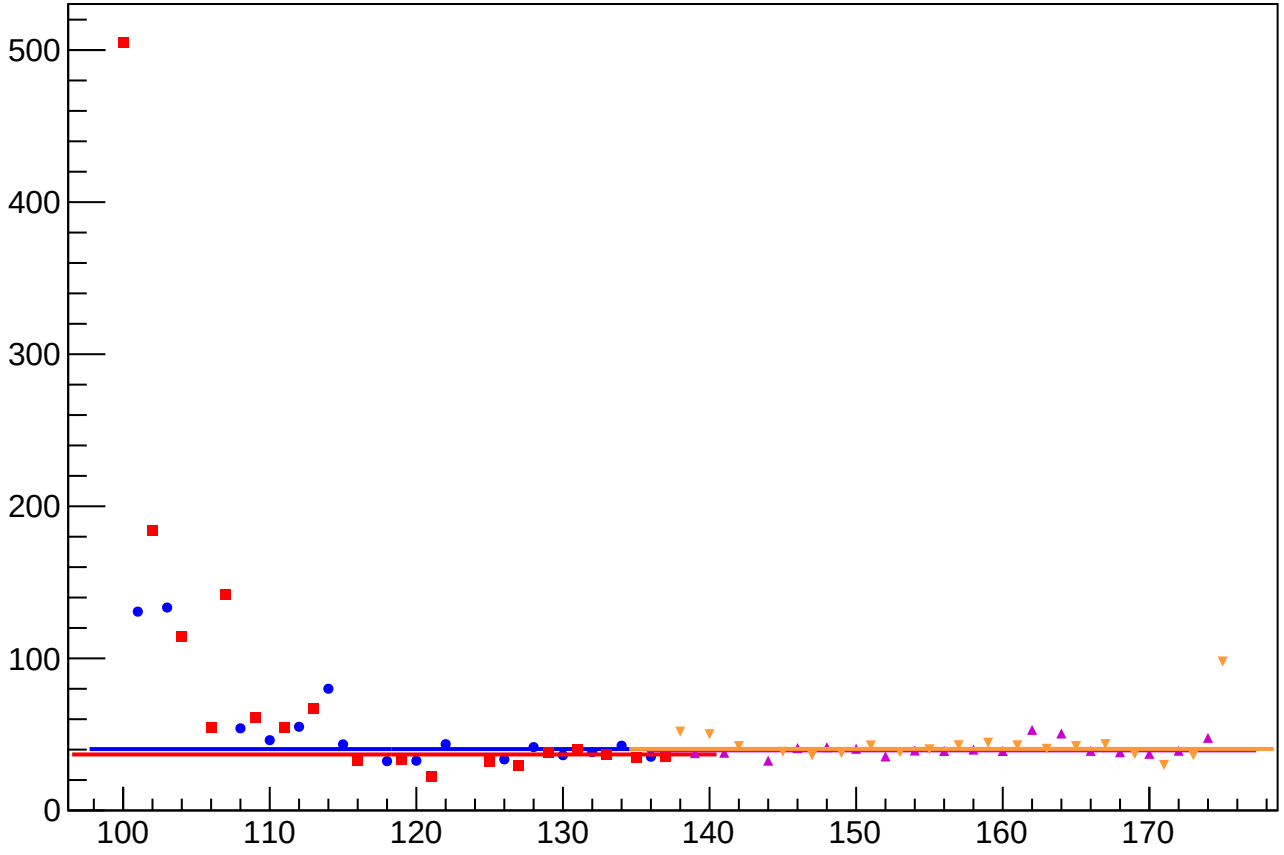
Left In: -0.005+/-0.011 χ^2/NDF:15.8/17

+ sign -0.004+/-0.009 χ^2/NDF: 35.7/34

All: -0.004+/-0.007 χ^2/NDF: 62.5/70

- sign -0.004+/-0.009 χ^2/NDF: 26.8/35

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.477+/-0.008 χ^2/NDF:883136.8/18

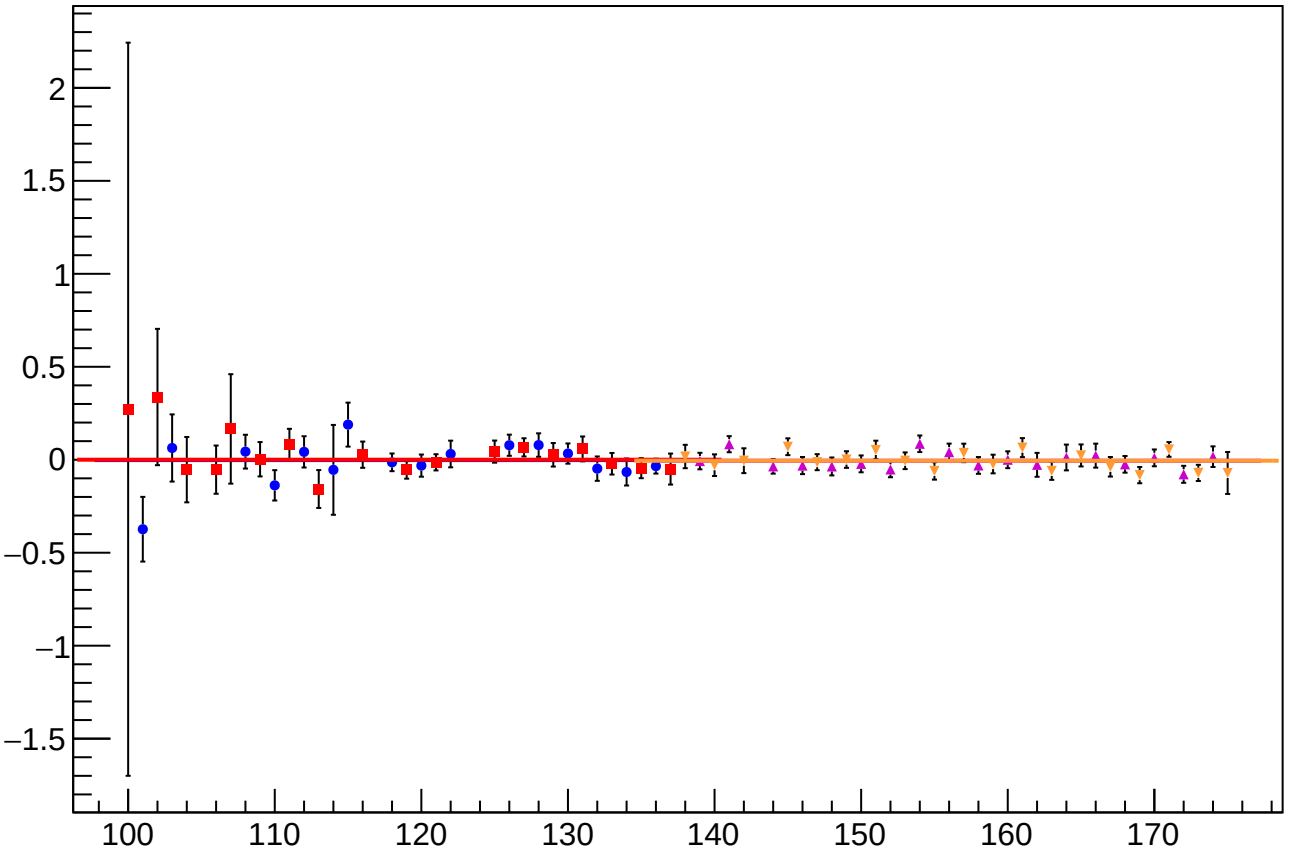
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.507+/-0.008 χ^2/NDF:282053.3/17

+ sign 40.439+/-0.007 χ^2/NDF: 2293348.8/34

All: 39.538+/-0.005 χ^2/NDF: 4483573.4/70

- sign 38.681+/-0.007 χ^2/NDF: 2155027.7/35



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.005+/-0.011 χ^2/NDF:18.6/18

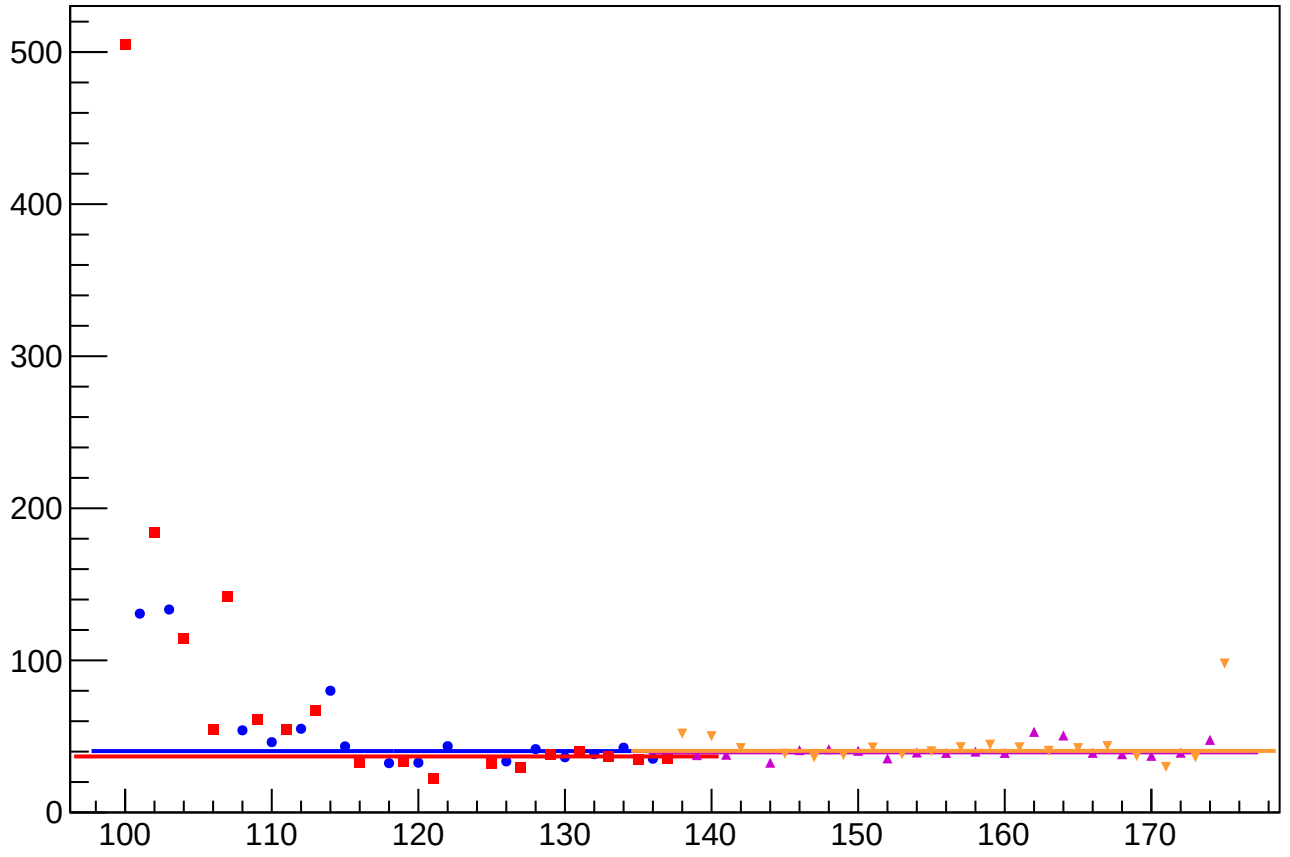
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.005+/-0.011 χ^2/NDF:15.8/17

+ sign -0.004+/-0.009 χ^2/NDF: 35.7/34

All: -0.004+/-0.007 χ^2/NDF: 62.5/70

- sign -0.004+/-0.009 χ^2/NDF: 26.8/35



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.477+/-0.008 χ^2/NDF:883136.8/18

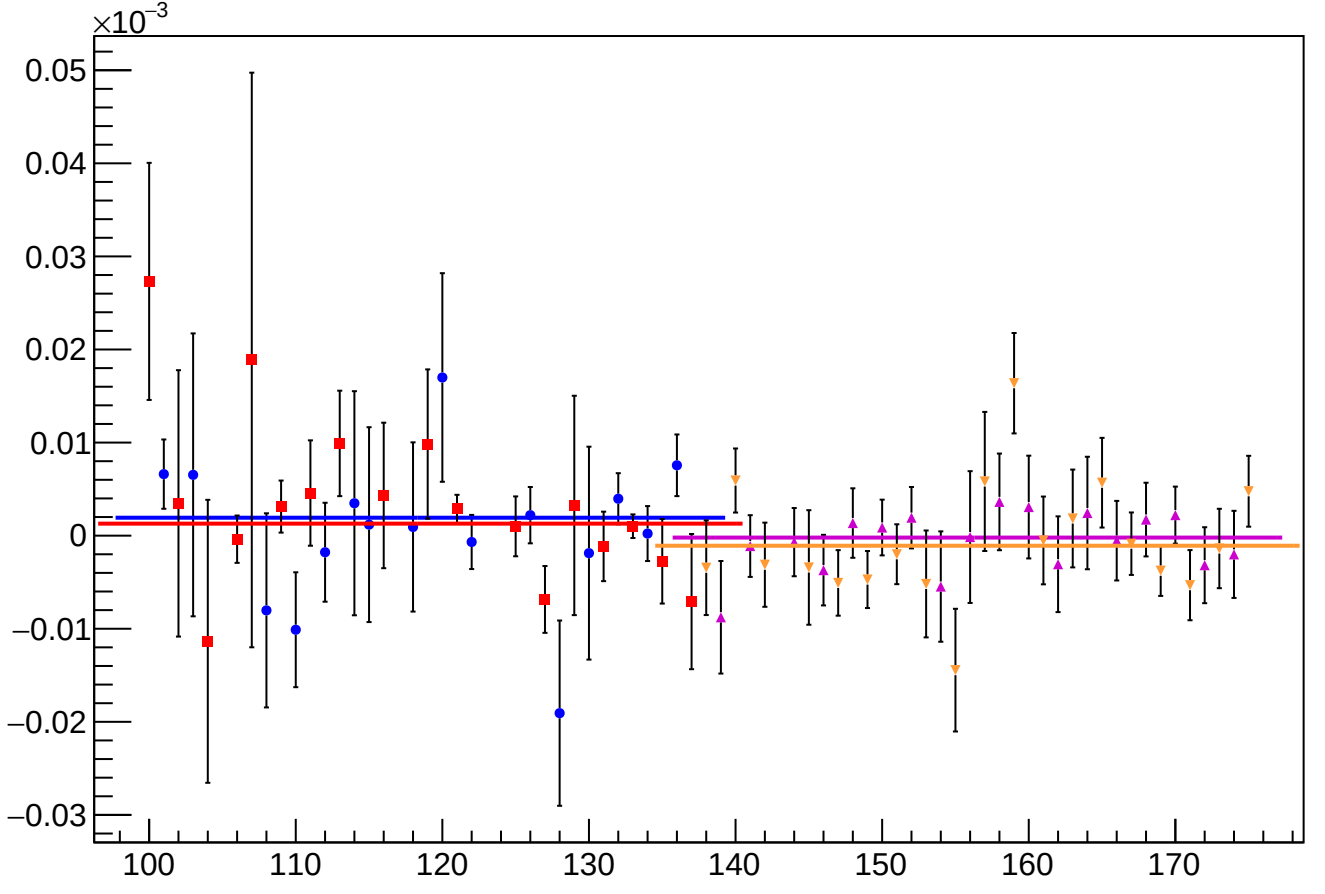
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.507+/-0.008 χ^2/NDF:282053.3/17

+ sign 40.439+/-0.007 χ^2/NDF: 2293348.8/34

All: 39.538+/-0.005 χ^2/NDF: 4483573.4/70

- sign 38.681+/-0.007 χ^2/NDF: 2155027.7/35



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.4/18

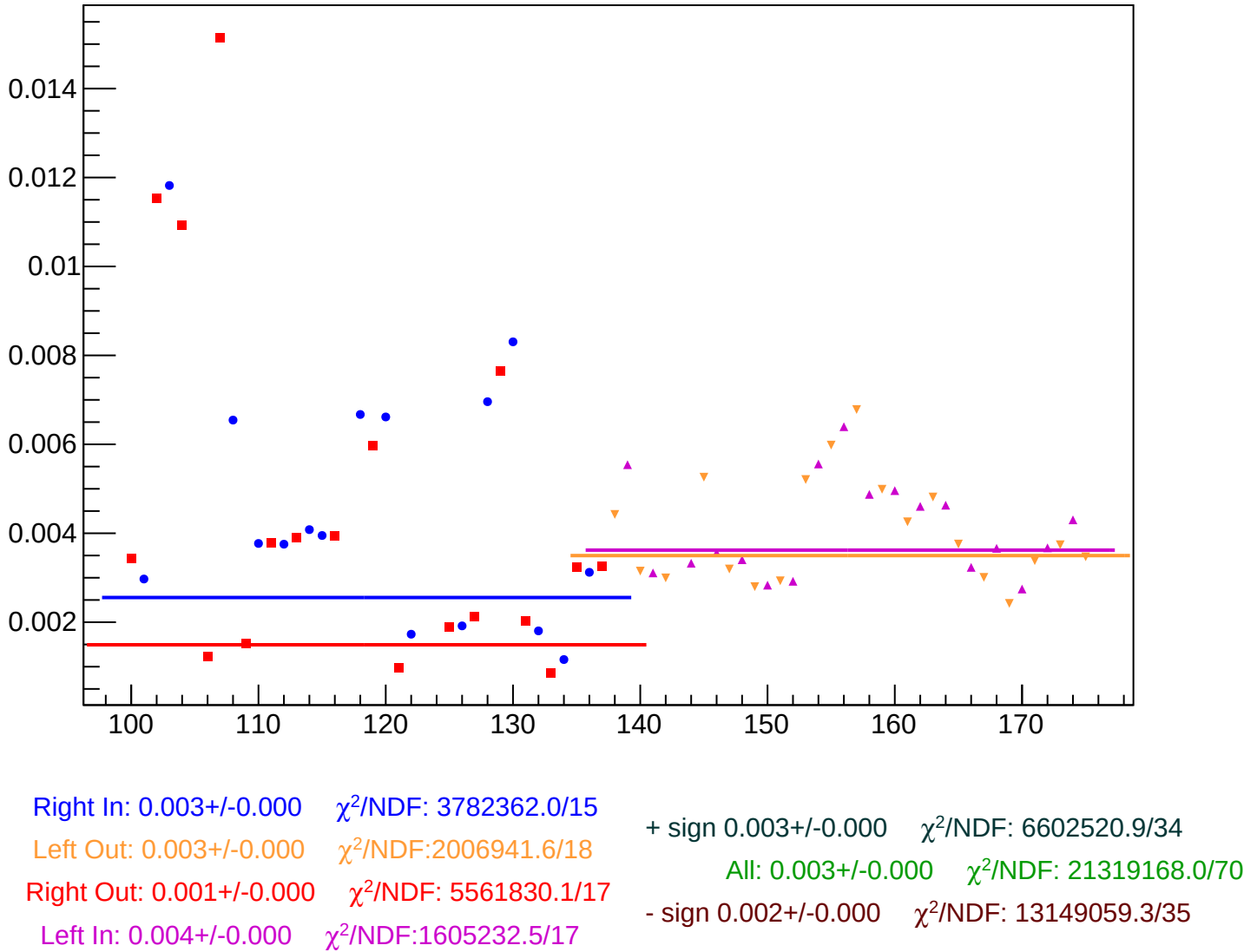
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

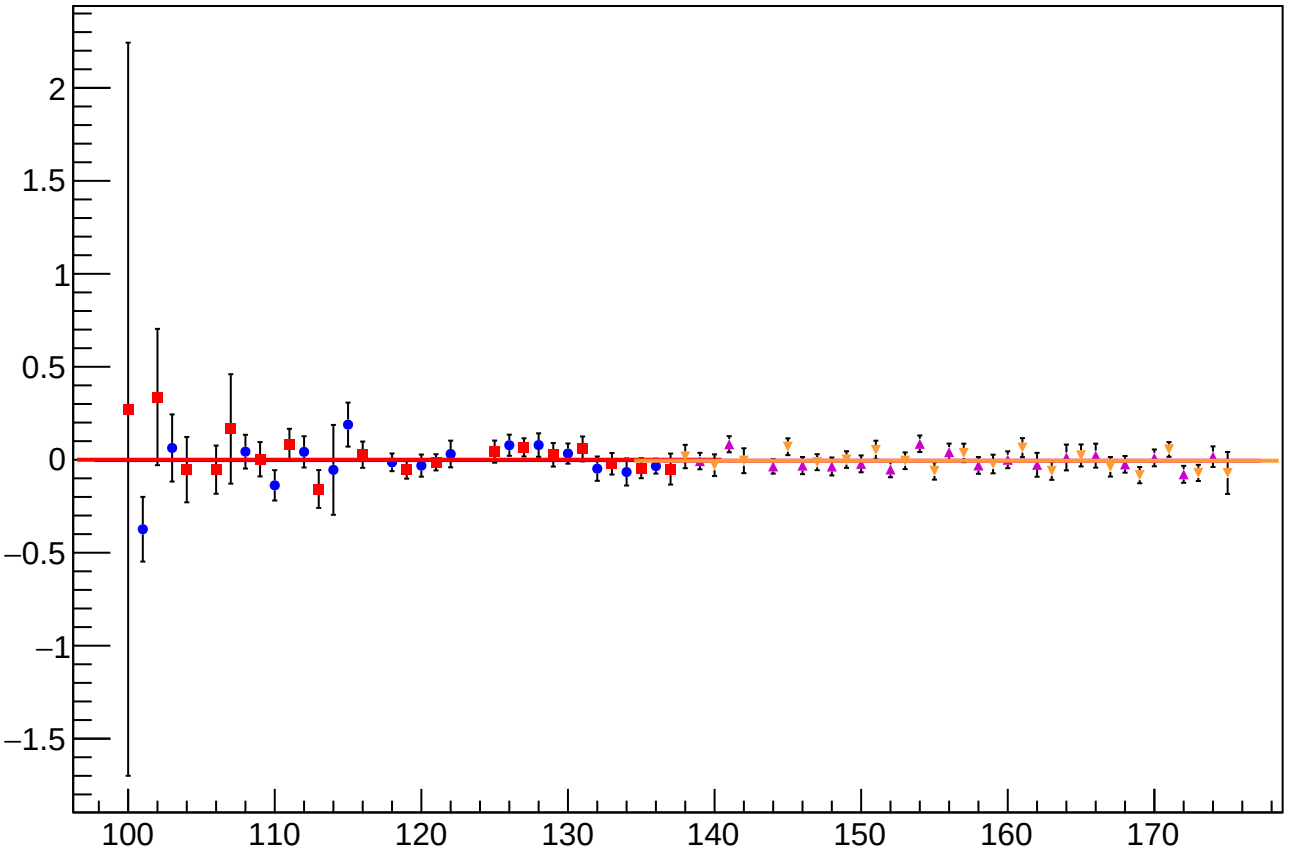
Left In: -0.000+/-0.000 χ^2/NDF:7.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 52.4/34

All: 0.000+/-0.000 χ^2/NDF: 80.5/70

- sign 0.000+/-0.000 χ^2/NDF: 27.8/35


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.003+/-0.000 χ²/NDF:2006941.6/18
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.004+/-0.000 χ²/NDF:1605232.5/17
+ sign 0.003+/-0.000 χ²/NDF: 6602520.9/34
All: 0.003+/-0.000 χ²/NDF: 21319168.0/70
- sign 0.002+/-0.000 χ²/NDF: 13149059.3/35



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.005+/-0.011 χ^2/NDF:18.6/18

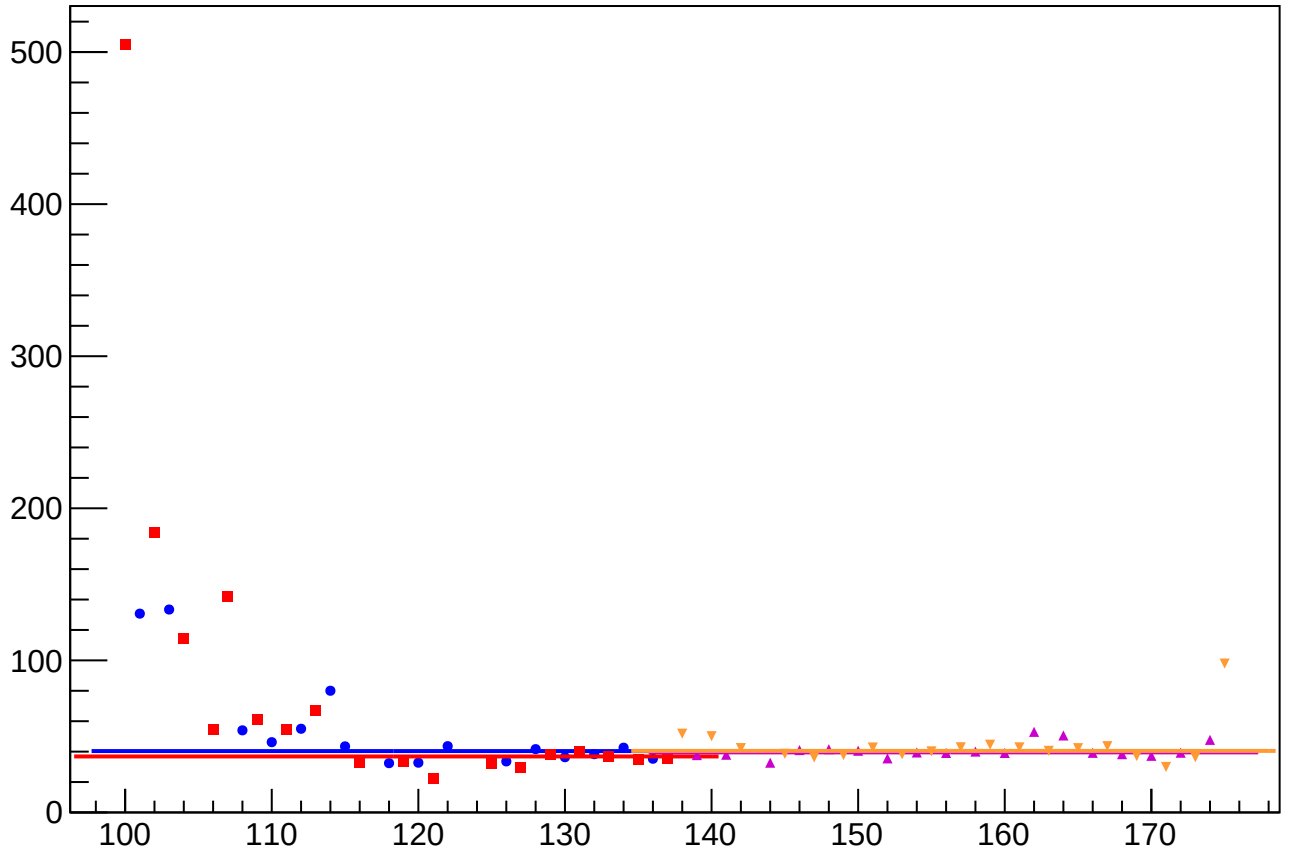
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.005+/-0.011 χ^2/NDF:15.8/17

+ sign -0.004+/-0.009 χ^2/NDF: 35.7/34

All: -0.004+/-0.007 χ^2/NDF: 62.5/70

- sign -0.004+/-0.009 χ^2/NDF: 26.8/35



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.477+/-0.008 χ^2/NDF:883175.1/18

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

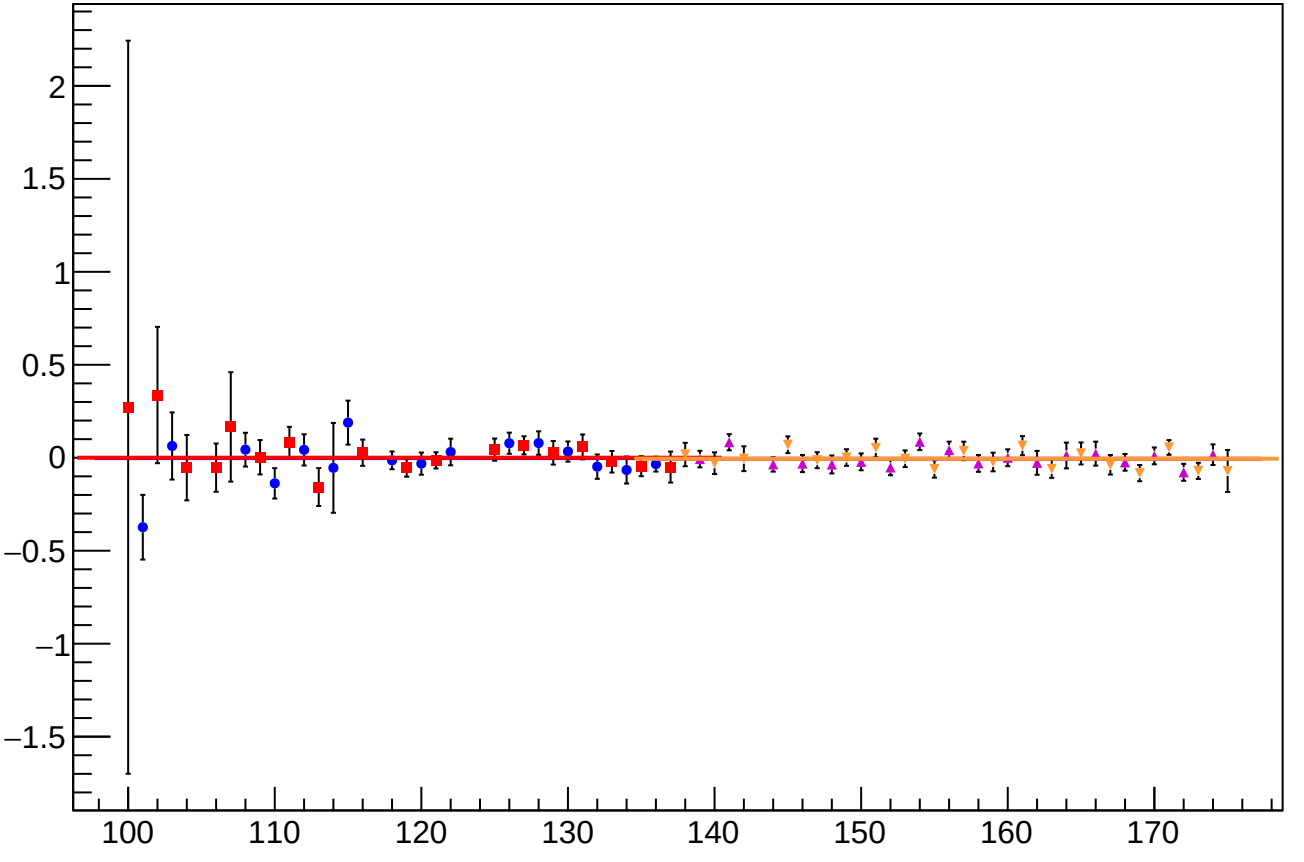
Left In: 39.507+/-0.008 χ^2/NDF:282018.4/17

+ sign 40.439+/-0.007 χ^2/NDF: 2293285.8/34

All: 39.537+/-0.005 χ^2/NDF: 4483506.8/70

- sign 38.680+/-0.007 χ^2/NDF: 2155008.4/35

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.005+/-0.011 χ^2/NDF:18.6/18

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

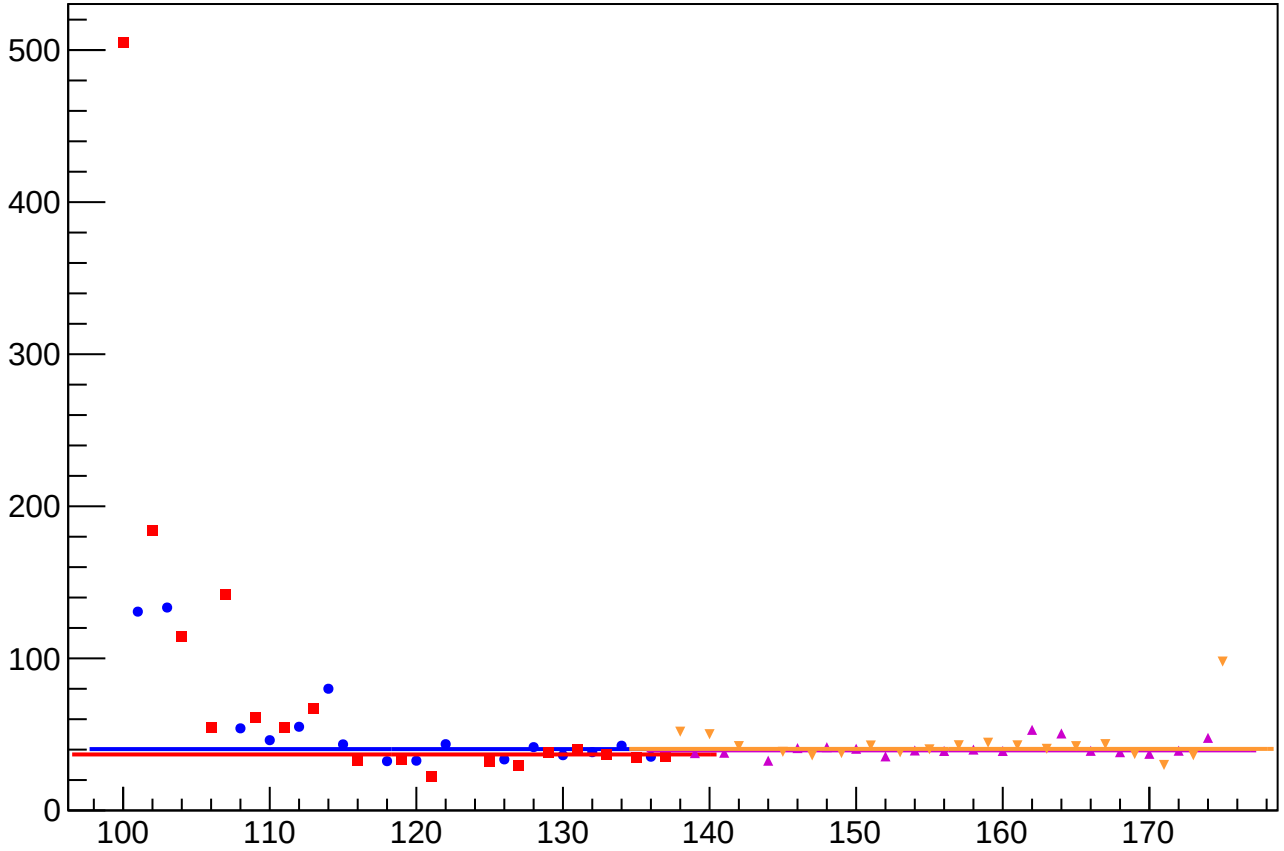
Left In: -0.005+/-0.011 χ^2/NDF:15.8/17

+ sign -0.004+/-0.009 χ^2/NDF: 35.7/34

All: -0.004+/-0.007 χ^2/NDF: 62.5/70

- sign -0.004+/-0.009 χ^2/NDF: 26.8/35

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: 40.477+/-0.008 χ^2/NDF:883175.1/18

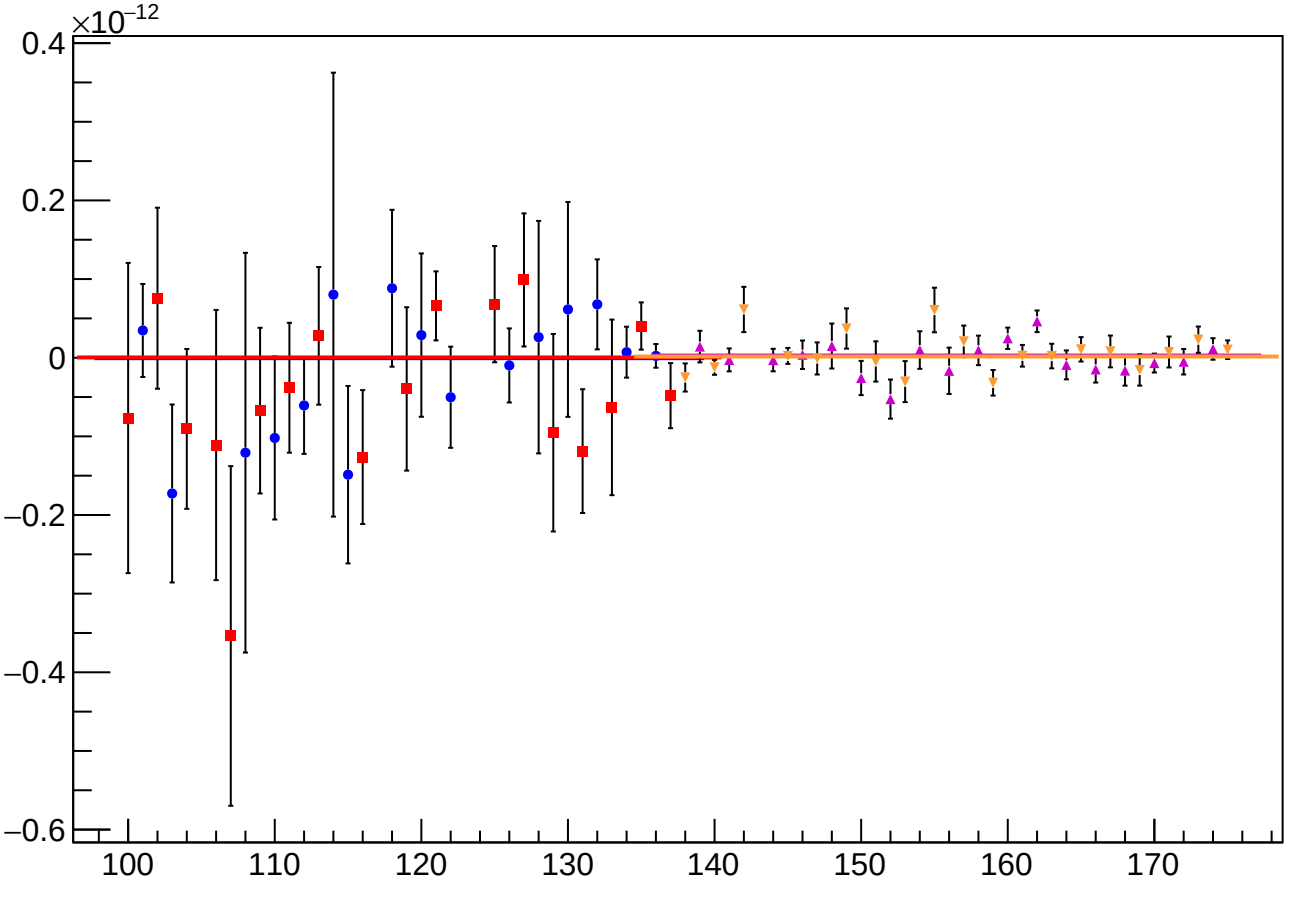
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.507+/-0.008 χ^2/NDF:282018.4/17

+ sign 40.439+/-0.007 χ^2/NDF: 2293285.8/34

All: 39.537+/-0.005 χ^2/NDF: 4483506.8/70

- sign 38.680+/-0.007 χ^2/NDF: 2155008.4/35



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/18

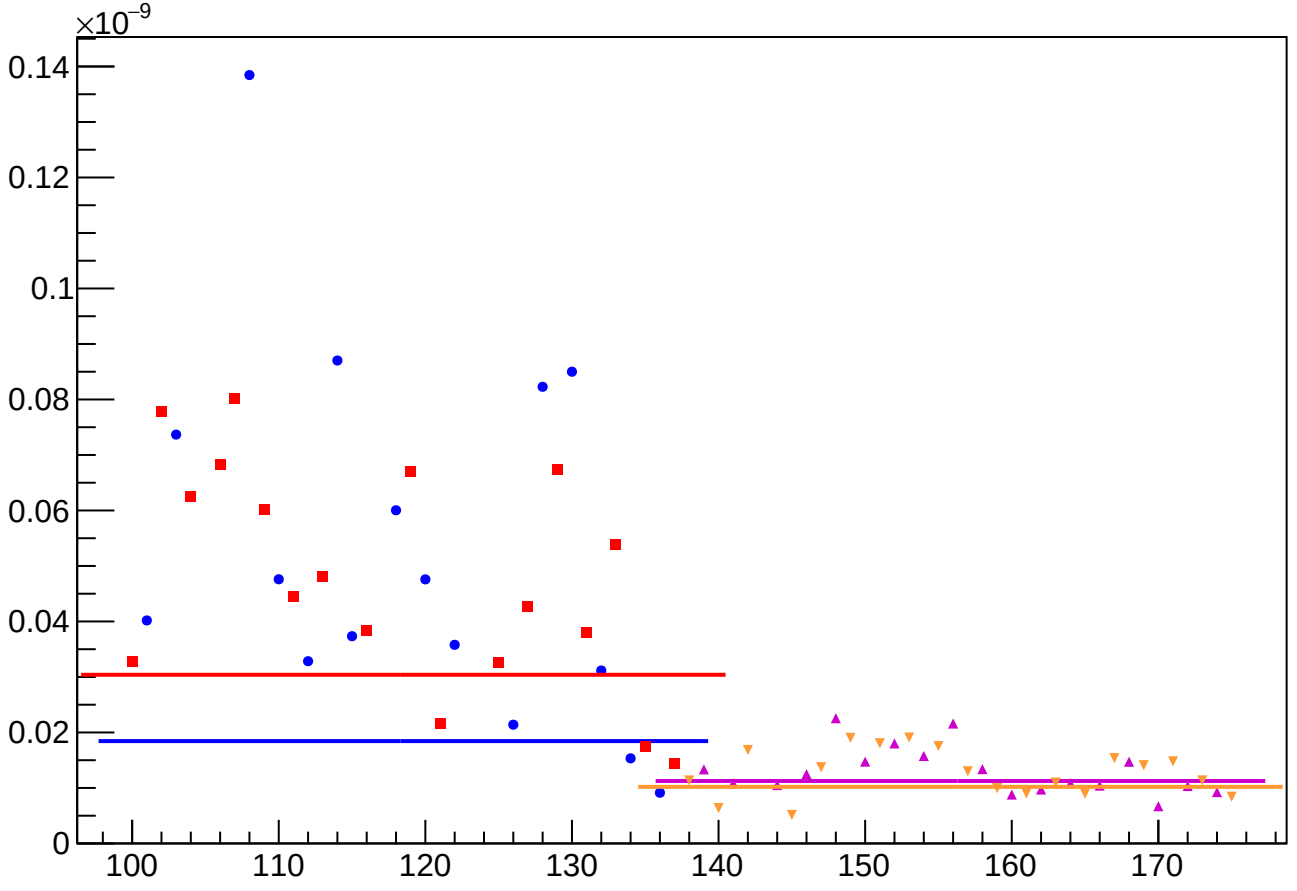
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:24.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/34

All: 0.000+/-0.000 χ^2/NDF: 78.0/70

- sign 0.000+/-0.000 χ^2/NDF: 42.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2235854.2/18

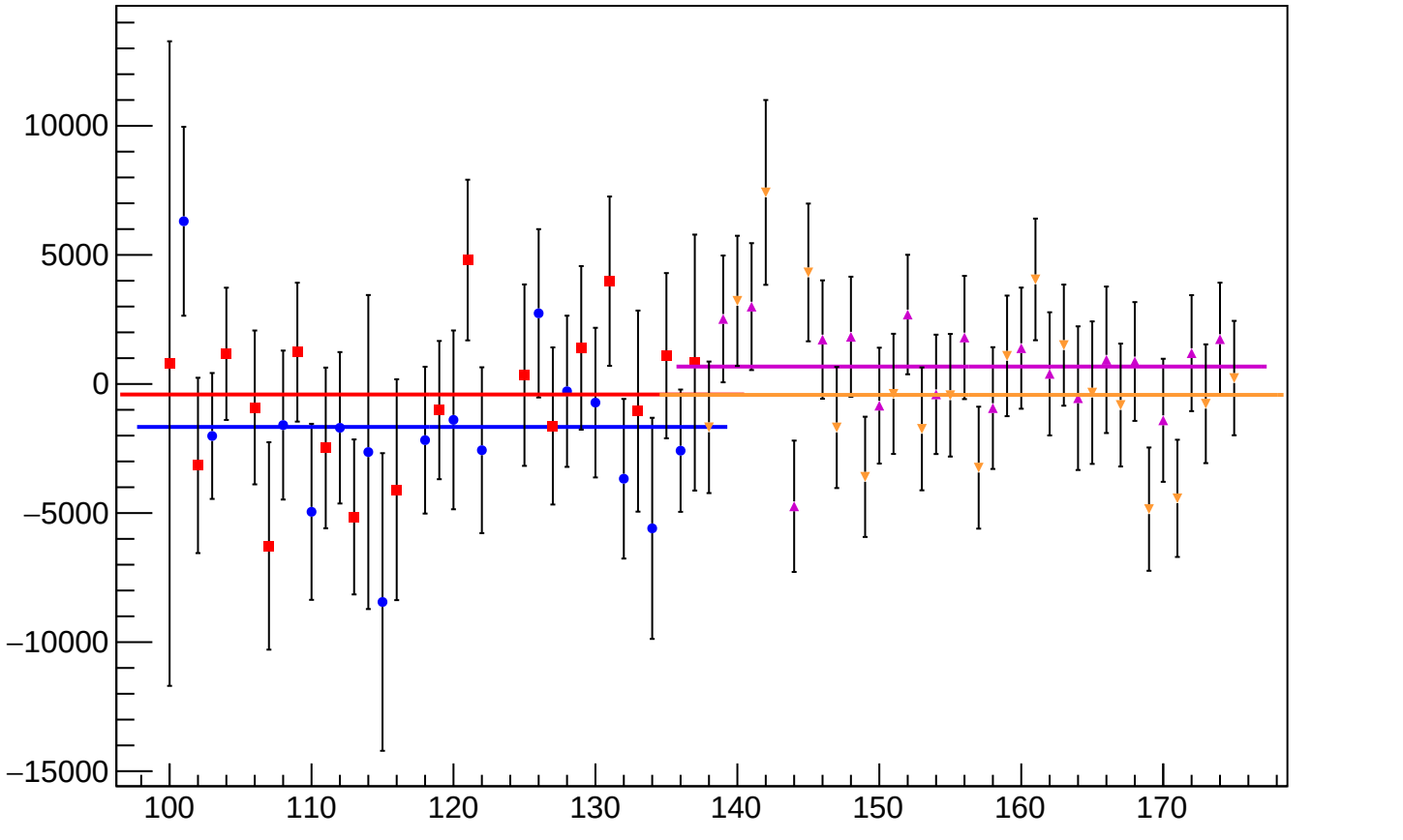
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1391431.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 7180921.2/34

All: 0.000+/-0.000 χ^2/NDF: 13641993.6/70

- sign 0.000+/-0.000 χ^2/NDF: 6329611.9/35



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -422.556+/-556.557 χ^2/NDF:25.6/18

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

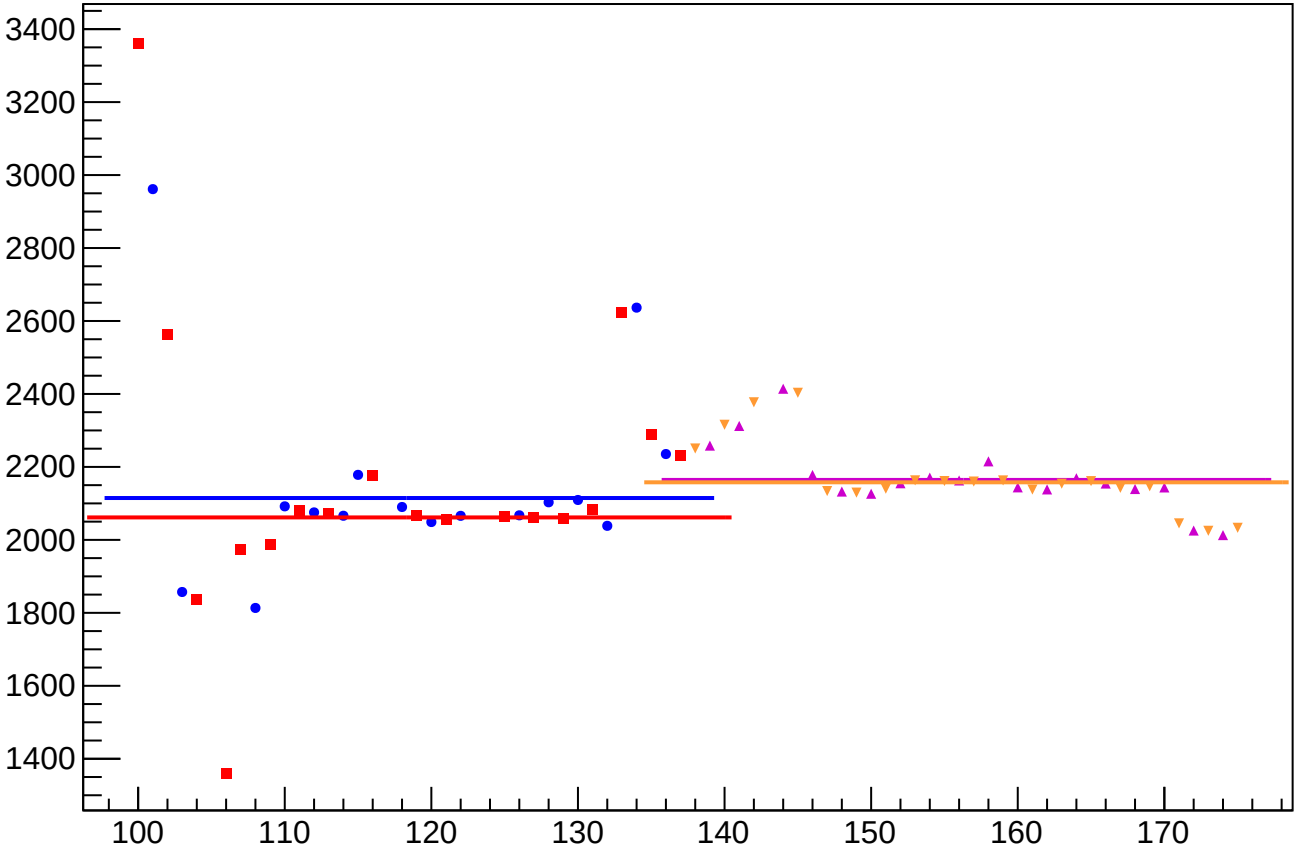
Left In: 674.982+/-561.509 χ^2/NDF:9.9/17

+ sign -832.934+/-455.397 χ^2/NDF: 38.0/34

All: -264.179+/-321.923 χ^2/NDF: 65.0/70

- sign 303.934+/-455.140 χ^2/NDF: 23.9/35

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2157.814+/-0.394 χ^2/NDF:53741.3/18

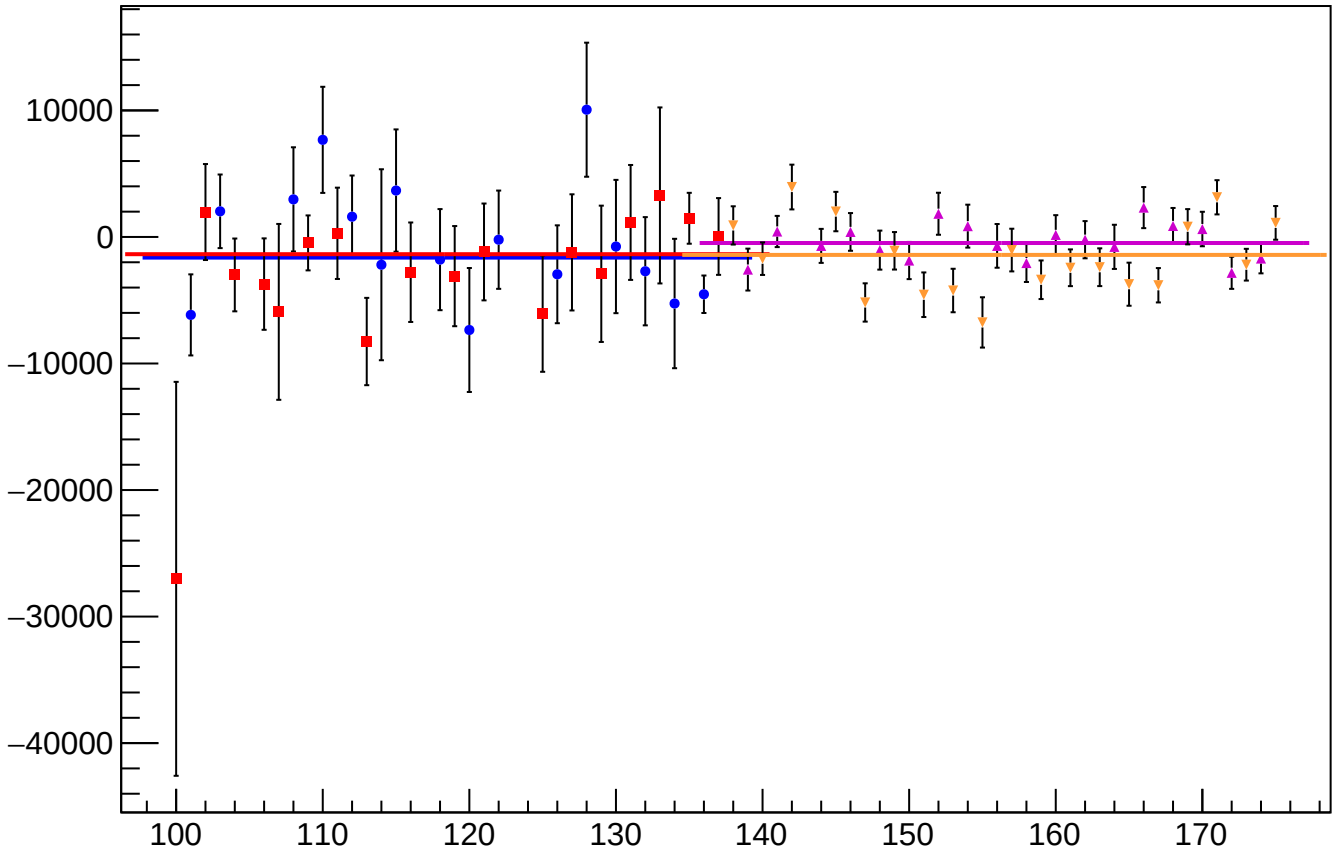
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2164.338+/-0.397 χ^2/NDF:49475.2/17

+ sign 2143.583+/-0.322 χ^2/NDF: 247618.0/34

All: 2136.331+/-0.228 χ^2/NDF: 570275.9/70

- sign 2129.087+/-0.322 χ^2/NDF: 321644.0/35



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1418.425+/-344.287 χ^2/NDF:61.2/18

Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

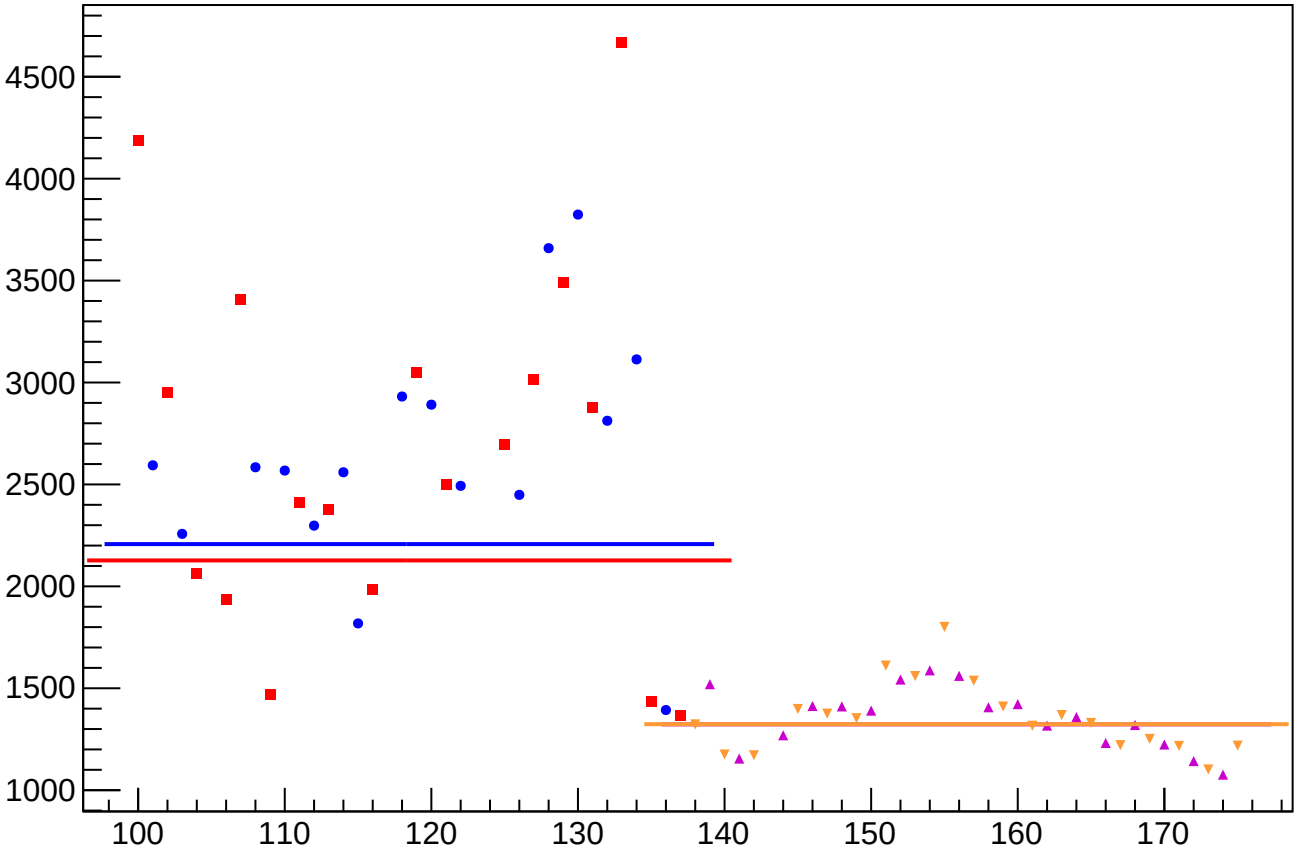
Left In: -477.445+/-345.778 χ^2/NDF:16.5/17

+ sign -1447.574+/-319.749 χ^2/NDF: 84.1/34

All: -1026.555+/-226.104 χ^2/NDF: 118.5/70

- sign -605.481+/-319.770 χ^2/NDF: 30.9/35

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1323.740+/-0.243 χ^2/NDF:400565.1/18

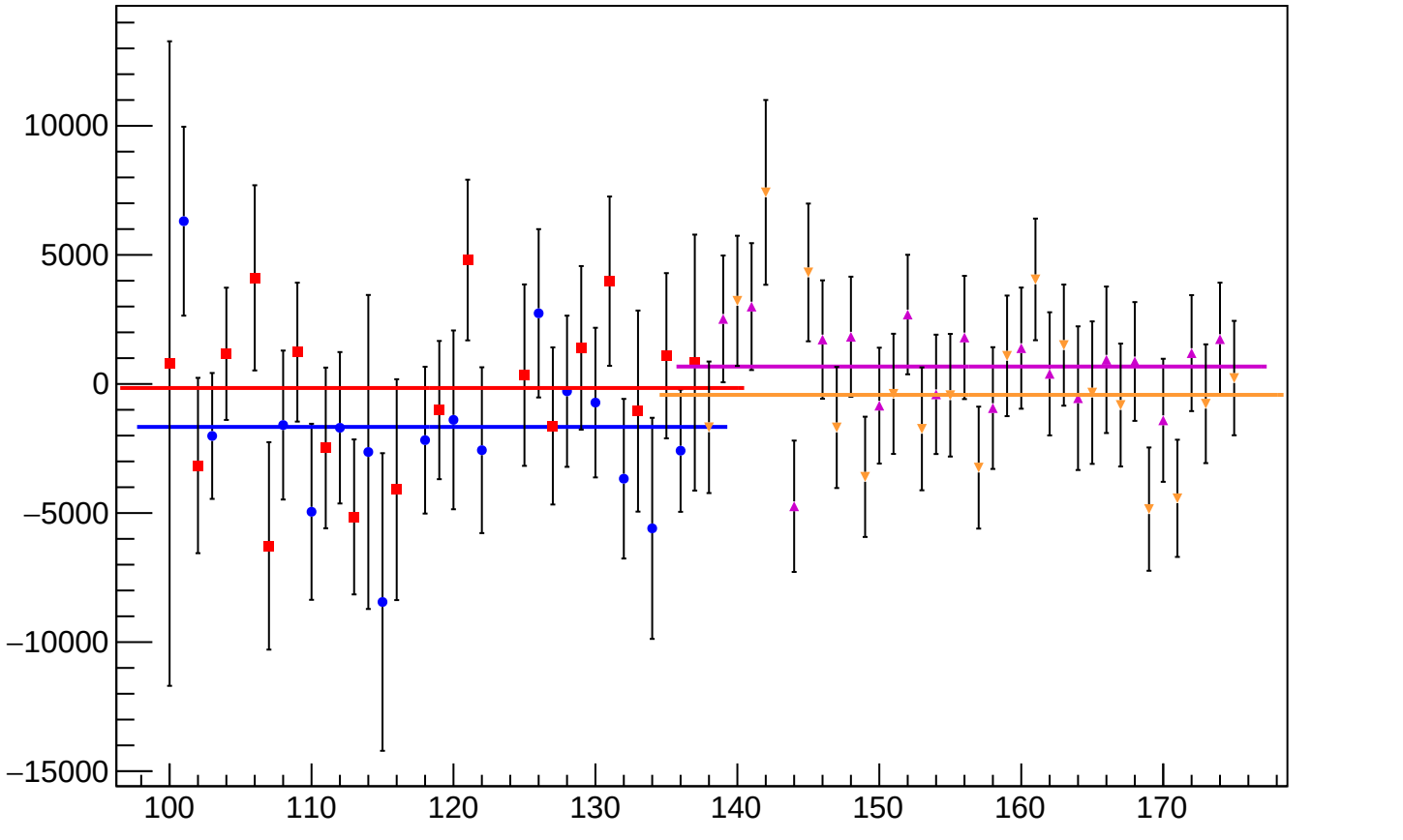
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1322.875+/-0.245 χ^2/NDF:369214.2/17

+ sign 1445.190+/-0.226 χ^2/NDF: 3460339.9/34

All: 1442.256+/-0.160 χ^2/NDF: 6854727.9/70

- sign 1439.323+/-0.226 χ^2/NDF: 3394051.3/35



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -422.425+/-556.557 χ^2/NDF:25.6/18

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

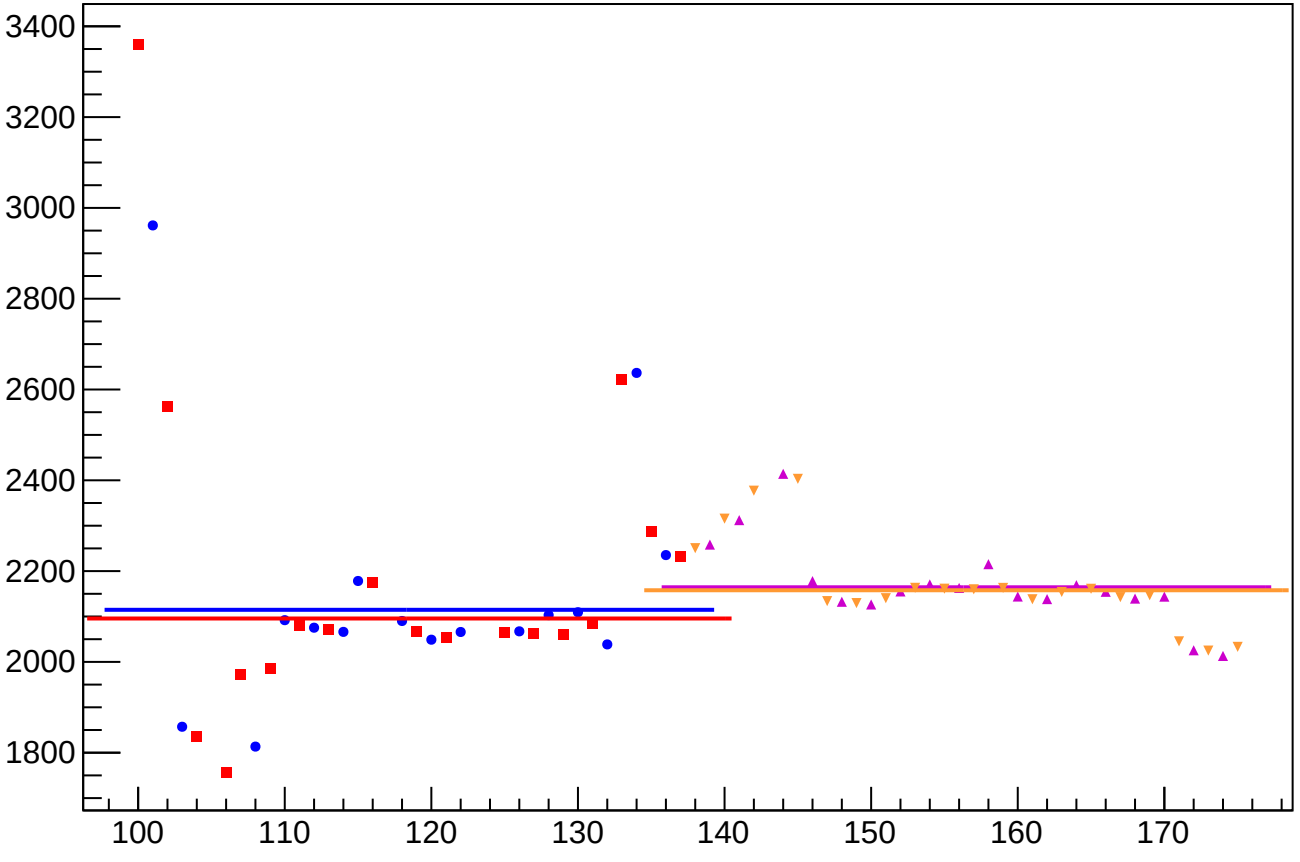
Left In: 674.840+/-561.509 χ^2/NDF:9.9/17

+ sign -832.822+/-455.397 χ^2/NDF: 38.0/34

All: -221.326+/-322.507 χ^2/NDF: 66.5/70

- sign 393.928+/-456.794 χ^2/NDF: 24.9/35

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2157.814+/-0.394 χ^2/NDF:53741.3/18

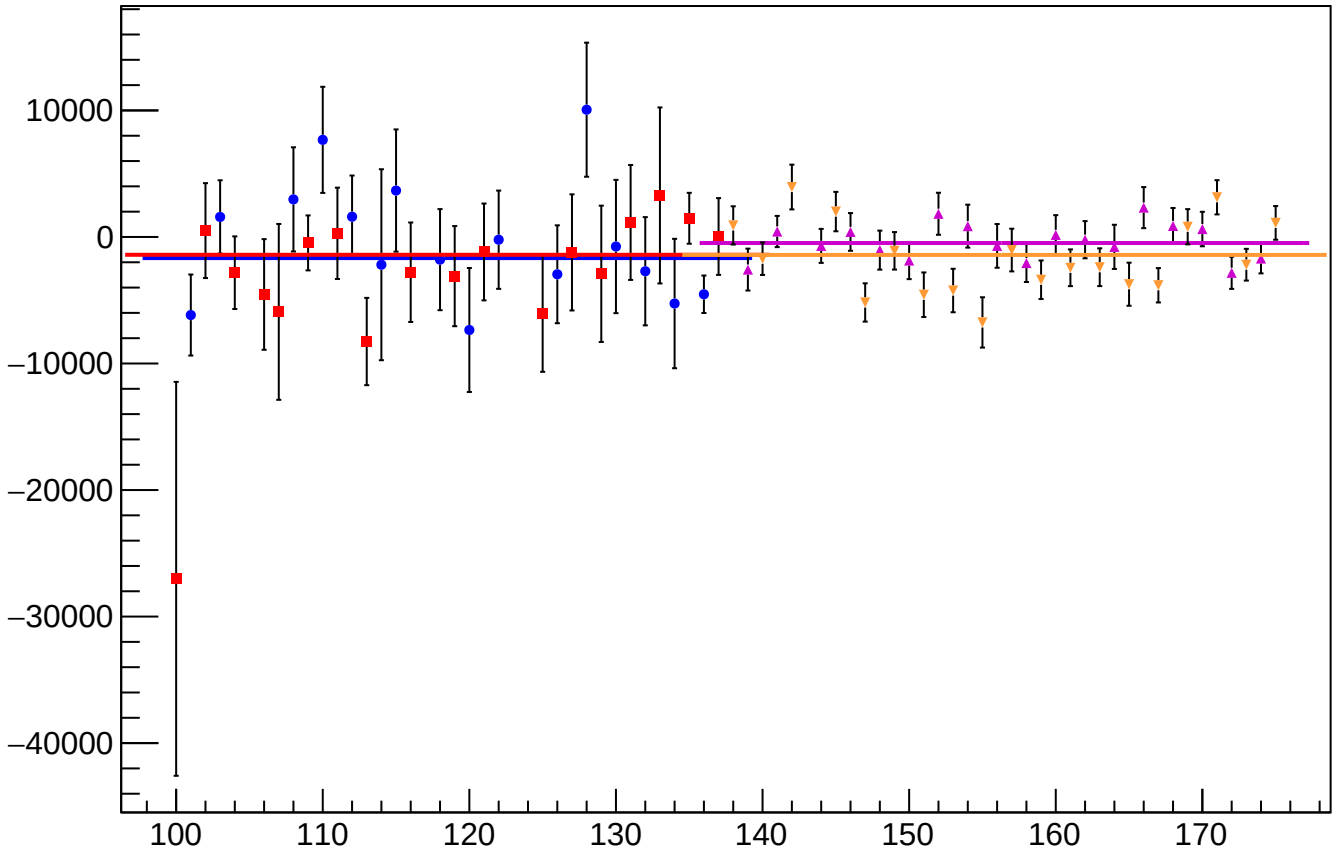
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2164.338+/-0.397 χ^2/NDF:49475.2/17

+ sign 2143.583+/-0.322 χ^2/NDF: 247618.4/34

All: 2142.340+/-0.228 χ^2/NDF: 456621.3/70

- sign 2141.090+/-0.323 χ^2/NDF: 208973.0/35



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1418.462+/-344.289 χ^2/NDF:61.2/18

Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

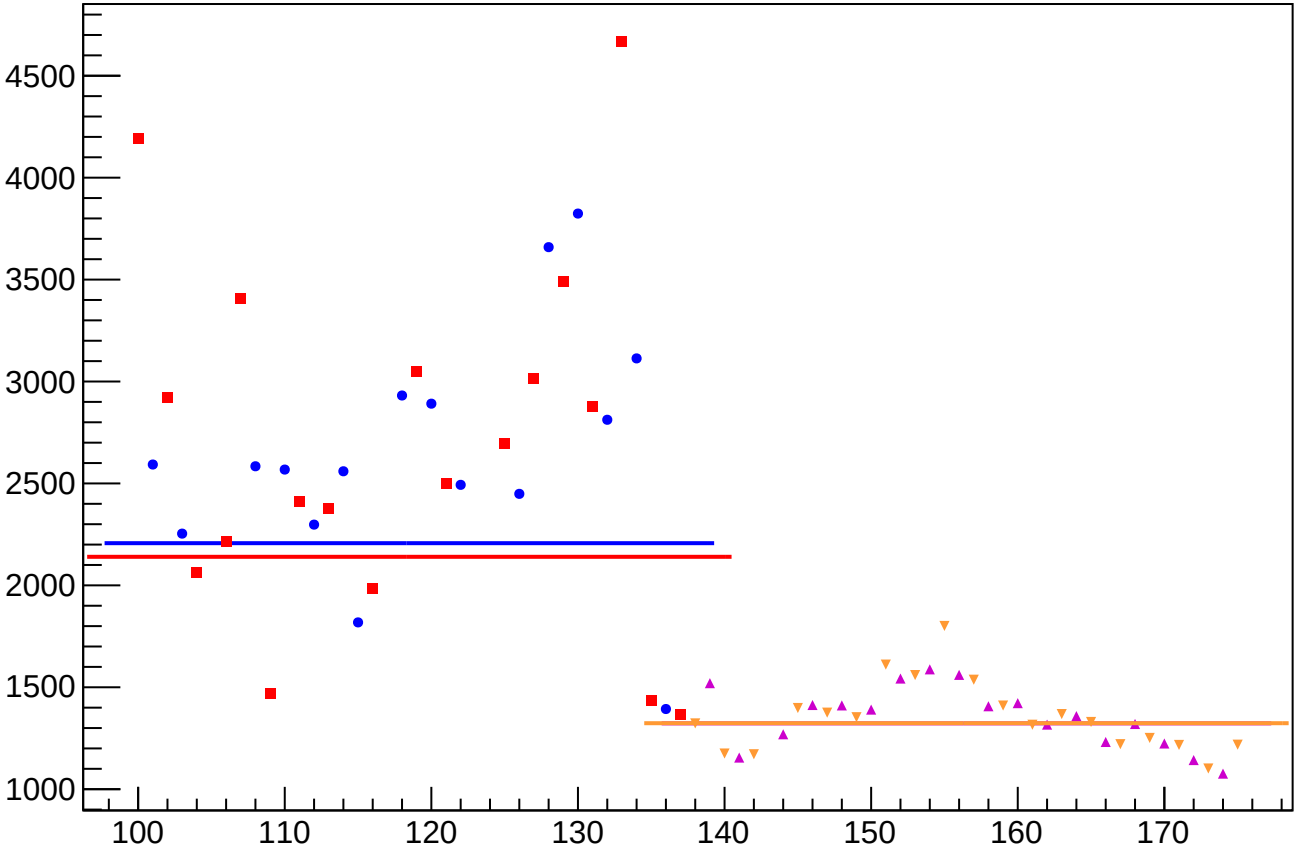
Left In: -477.364+/-345.778 χ^2/NDF:16.5/17

+ sign -1452.851+/-319.736 χ^2/NDF: 83.8/34

All: -1032.090+/-226.228 χ^2/NDF: 117.8/70

- sign -610.285+/-320.133 χ^2/NDF: 30.5/35

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1323.750+/-0.243 χ^2/NDF:400513.7/18

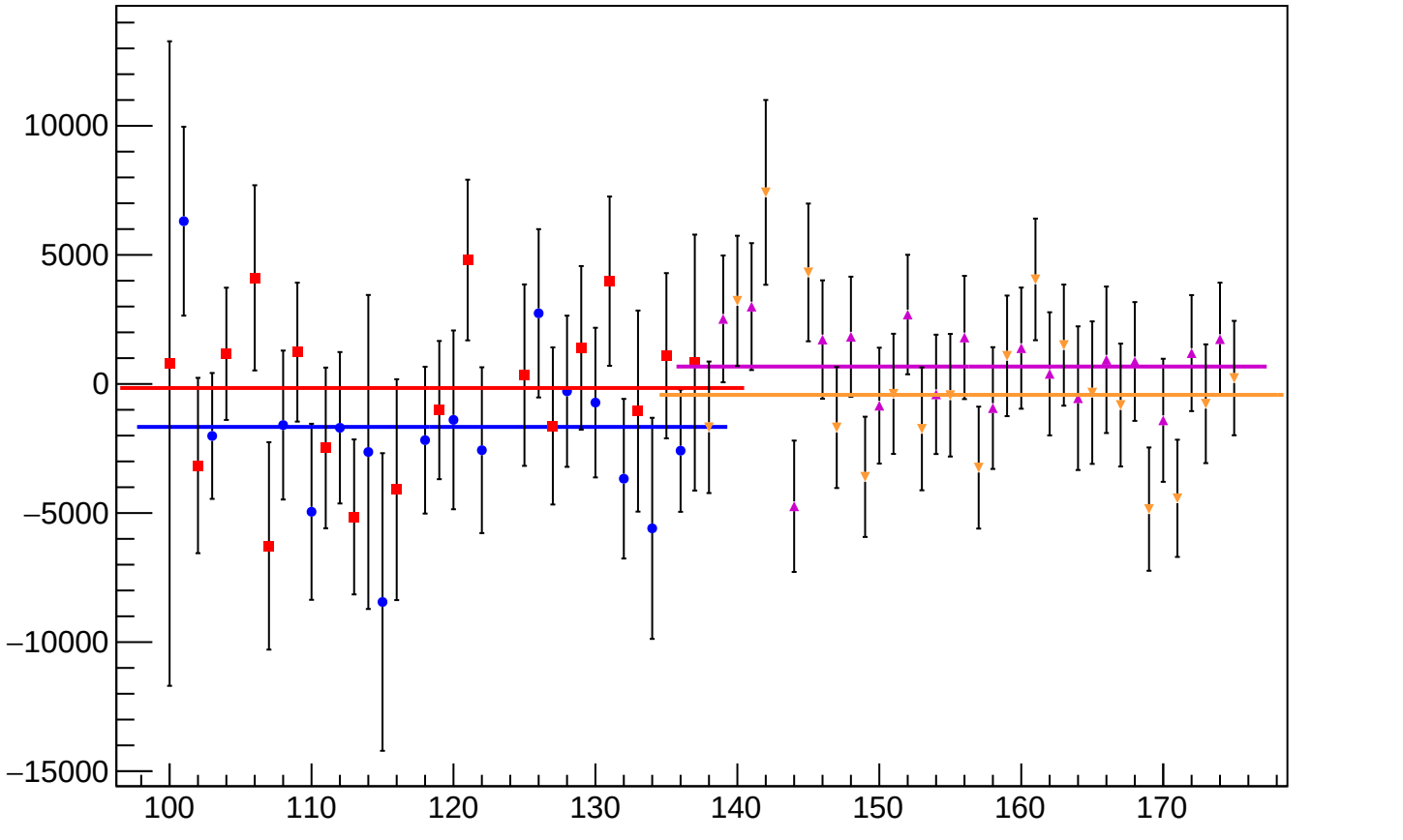
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1322.875+/-0.245 χ^2/NDF:369240.7/17

+ sign 1445.224+/-0.226 χ^2/NDF: 3459678.3/34

All: 1442.413+/-0.160 χ^2/NDF: 6873106.5/70

- sign 1439.595+/-0.226 χ^2/NDF: 3413118.6/35



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -422.425+/-556.557 χ^2/NDF:25.6/18

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

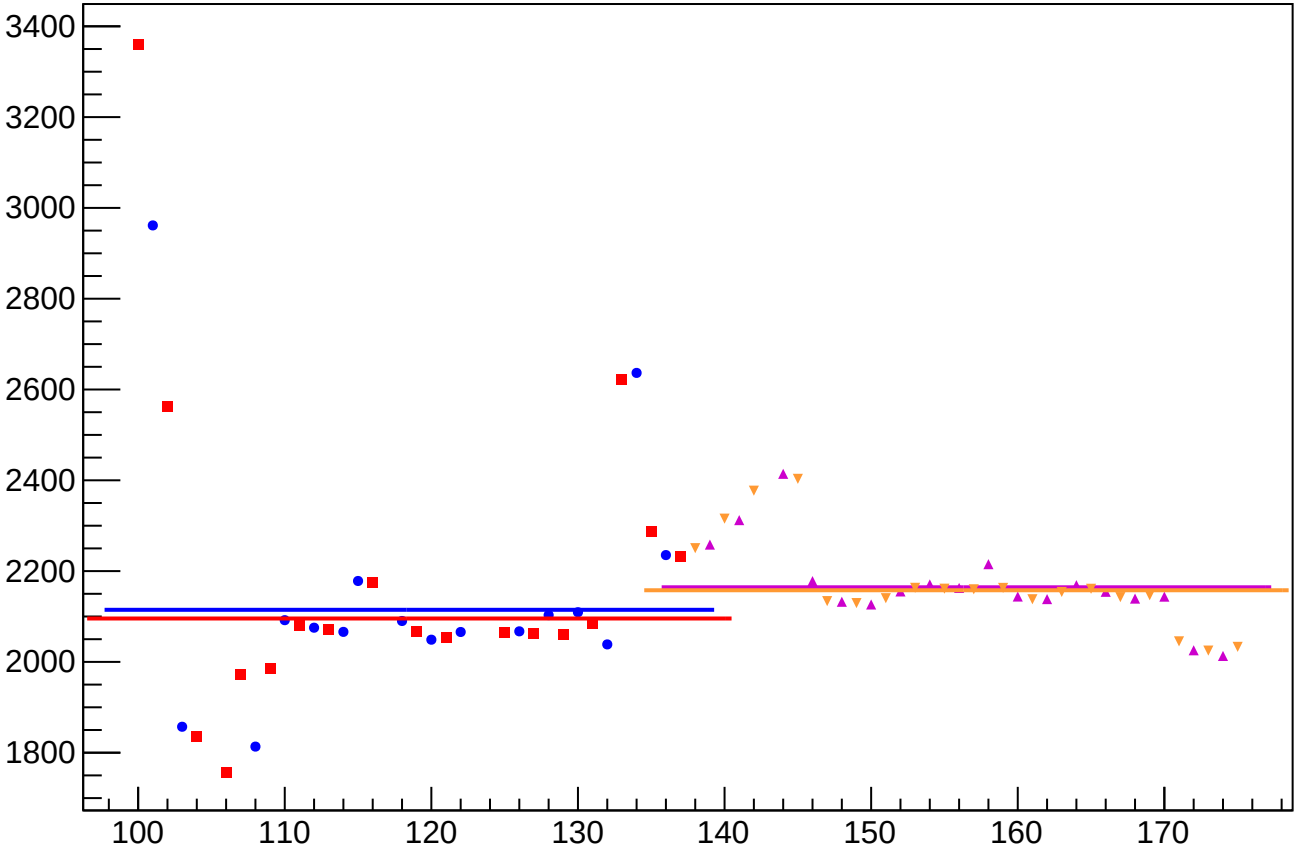
Left In: 674.840+/-561.509 χ^2/NDF:9.9/17

\+ sign -832.822+/-455.397 χ^2/NDF: 38.0/34

All: -221.326+/-322.507 χ^2/NDF: 66.5/70

\- sign 393.928+/-456.794 χ^2/NDF: 24.9/35

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2157.814+/-0.394 χ^2/NDF:53741.3/18

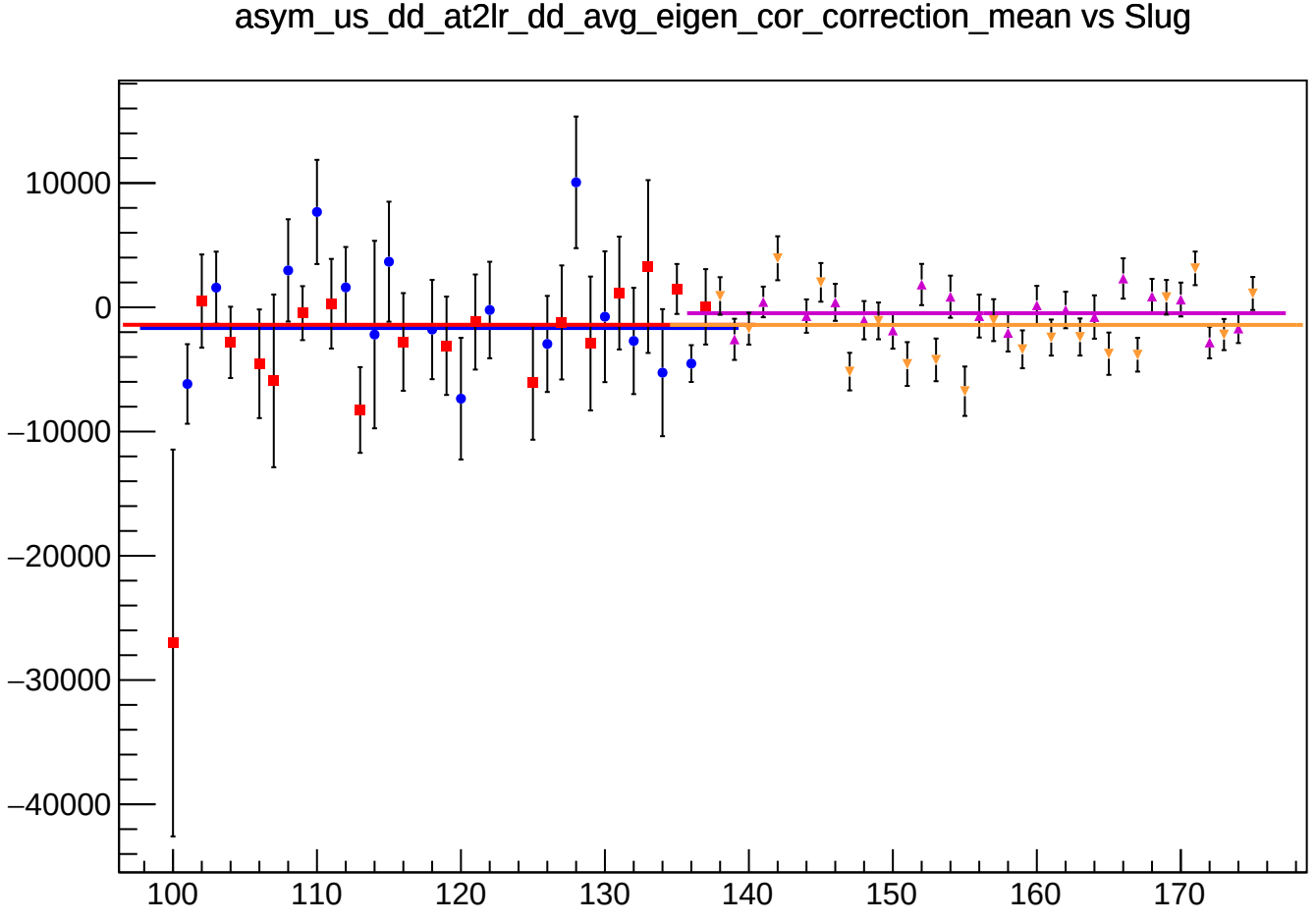
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2164.338+/-0.397 χ^2/NDF:49475.2/17

+ sign 2143.583+/-0.322 χ^2/NDF: 247618.4/34

All: 2142.340+/-0.228 χ^2/NDF: 456621.3/70

- sign 2141.090+/-0.323 χ^2/NDF: 208973.0/35



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1418.462+/-344.289 χ^2/NDF:61.2/18

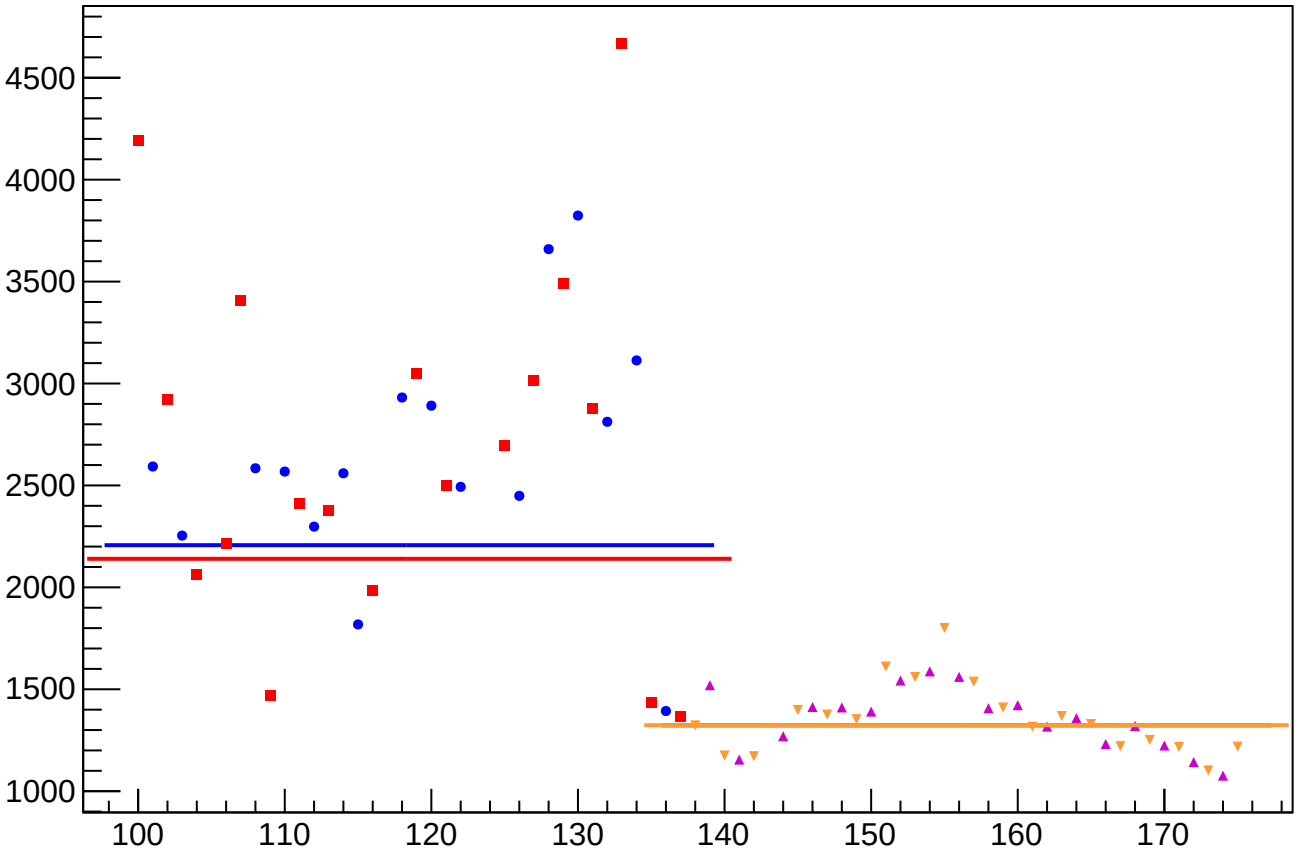
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -477.364+/-345.778 χ^2/NDF:16.5/17

+ sign -1452.851+/-319.736 χ^2/NDF: 83.8/34

All: -1032.090+/-226.228 χ^2/NDF: 117.8/70

- sign -610.285+/-320.133 χ^2/NDF: 30.5/35



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1323.750+/-0.243 χ^2/NDF:400513.7/18

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

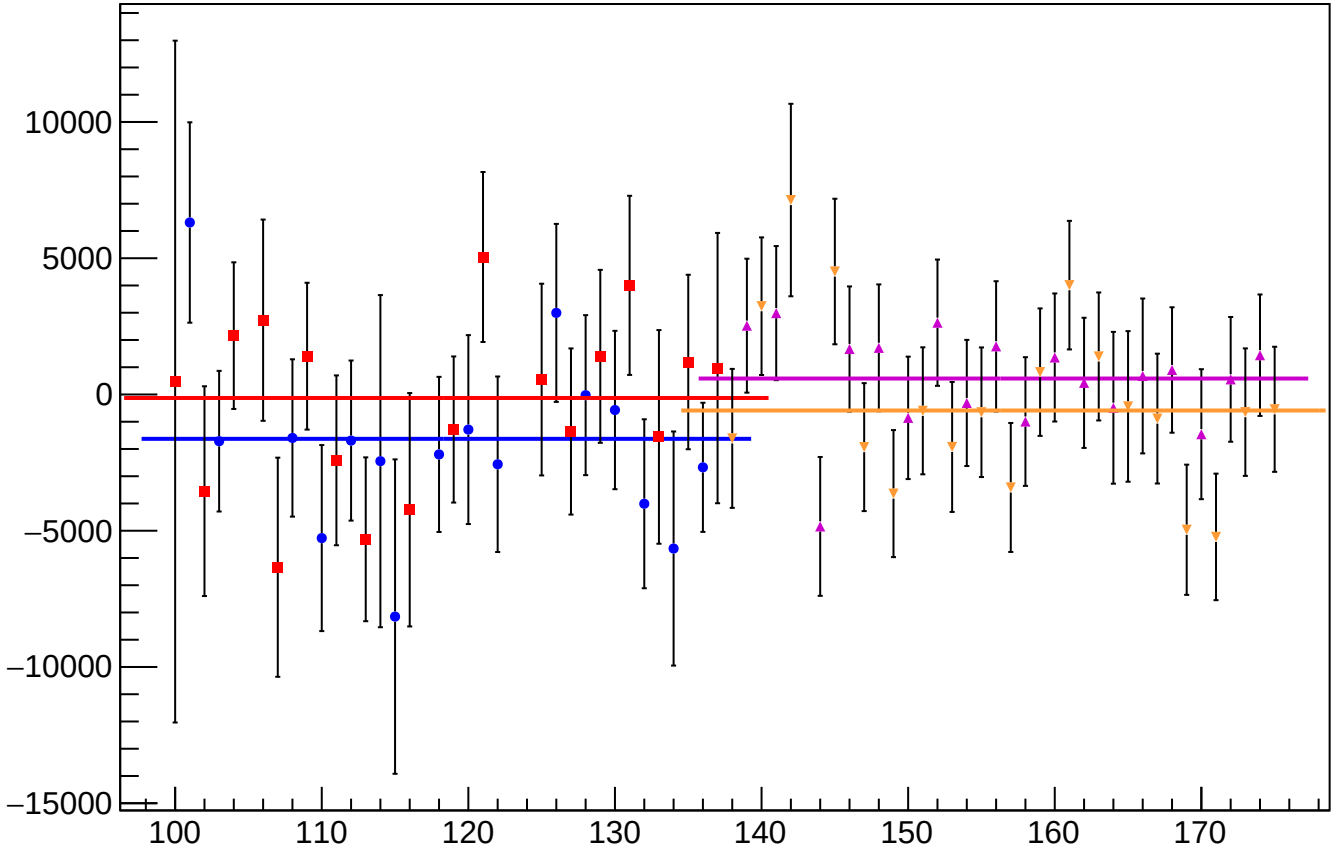
Left In: 1322.875+/-0.245 χ^2/NDF:369240.7/17

+ sign 1445.224+/-0.226 χ^2/NDF: 3459678.3/34

All: 1442.413+/-0.160 χ^2/NDF: 6873106.5/70

- sign 1439.595+/-0.226 χ^2/NDF: 3413118.6/35

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -587.876+/-559.353 χ^2/NDF:26.9/18

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

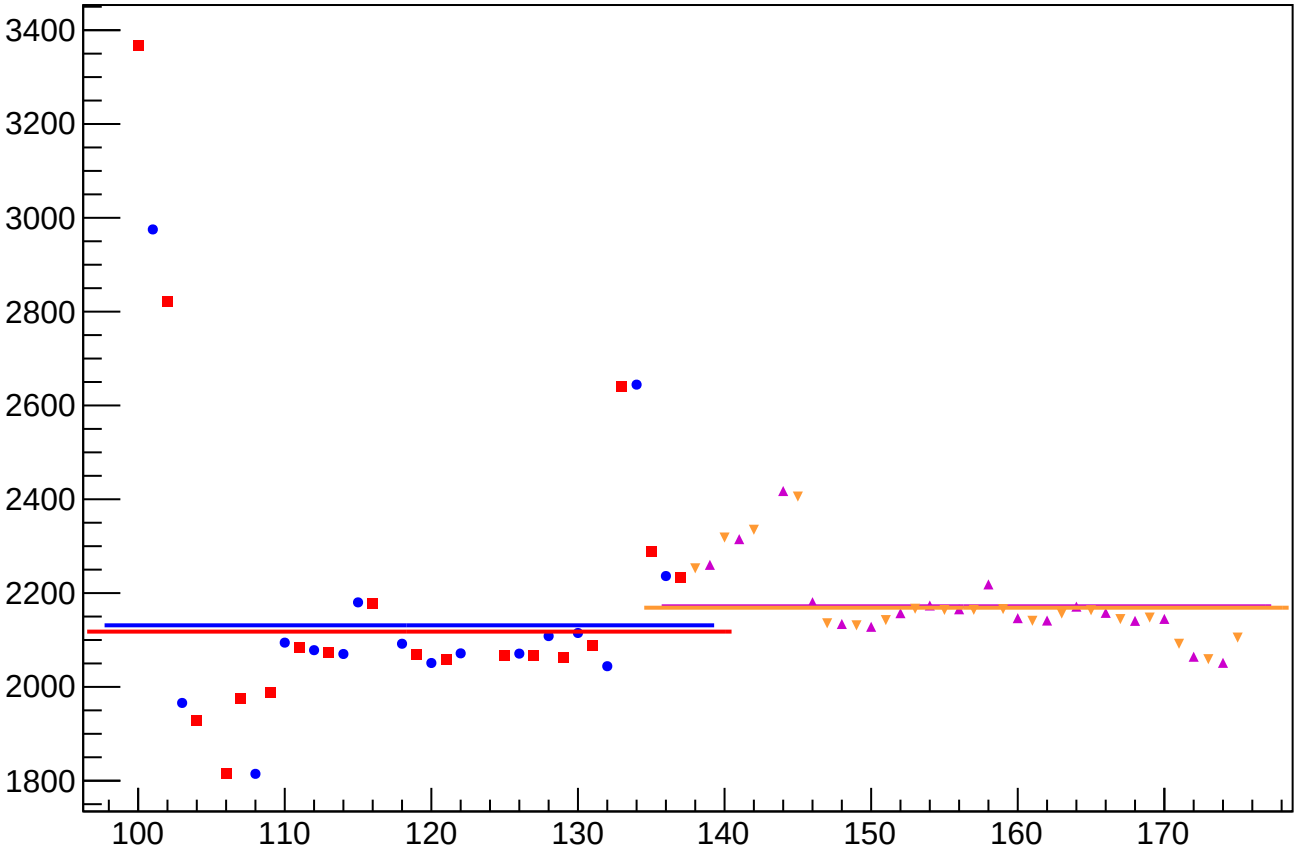
Left In: 585.140+/-563.386 χ^2/NDF:9.8/17

+ sign -930.448+/-458.030 χ^2/NDF: 39.4/34

All: -294.214+/-324.514 χ^2/NDF: 68.1/70

- sign 347.056+/-459.839 χ^2/NDF: 24.9/35

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2168.859+/-0.396 χ^2/NDF:39394.3/18

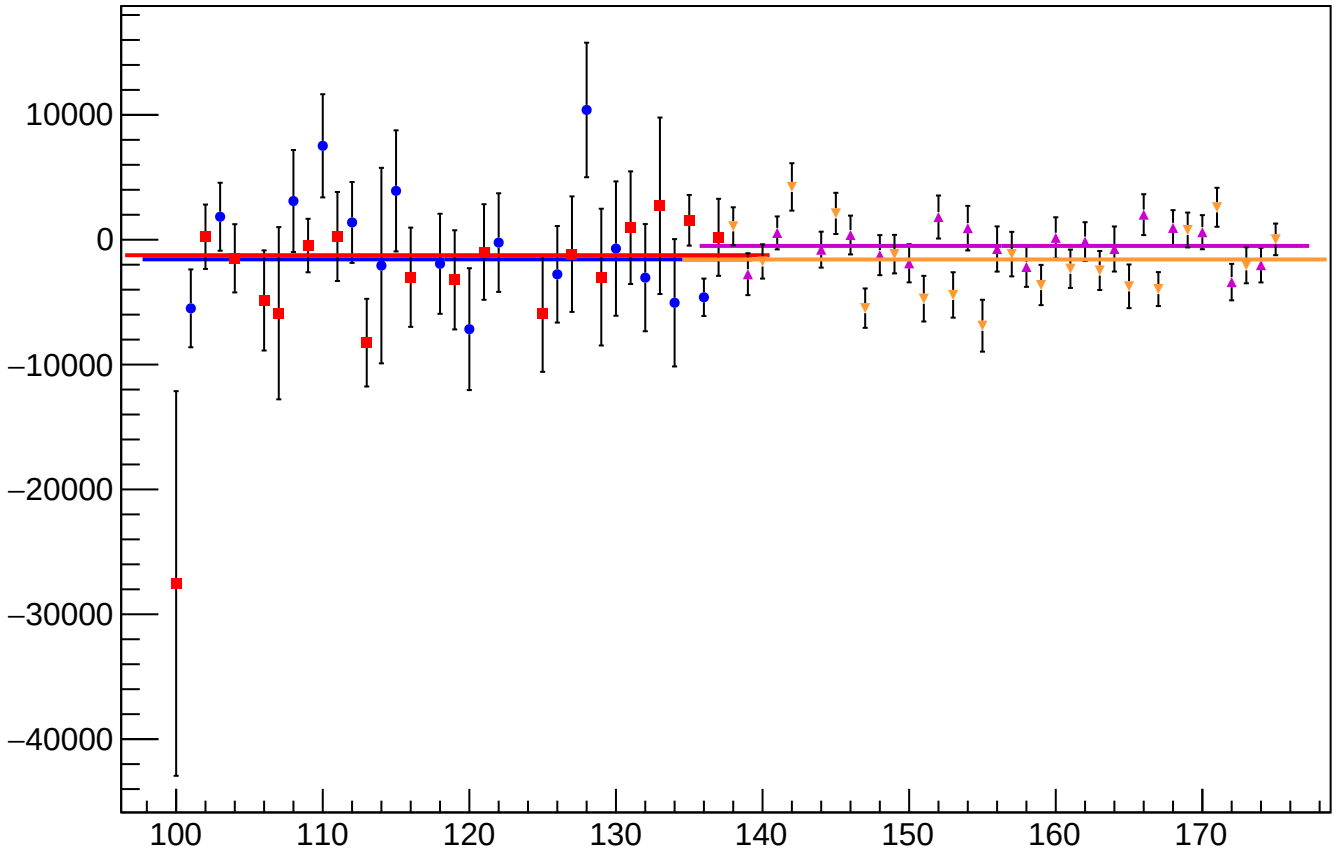
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2171.847+/-0.398 χ^2/NDF:41629.5/17

+ sign 2156.484+/-0.324 χ^2/NDF: 218309.0/34

All: 2155.161+/-0.229 χ^2/NDF: 429723.4/70

- sign 2153.828+/-0.325 χ^2/NDF: 211380.9/35



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1581.536+/-360.638 χ^2/NDF:54.0/18

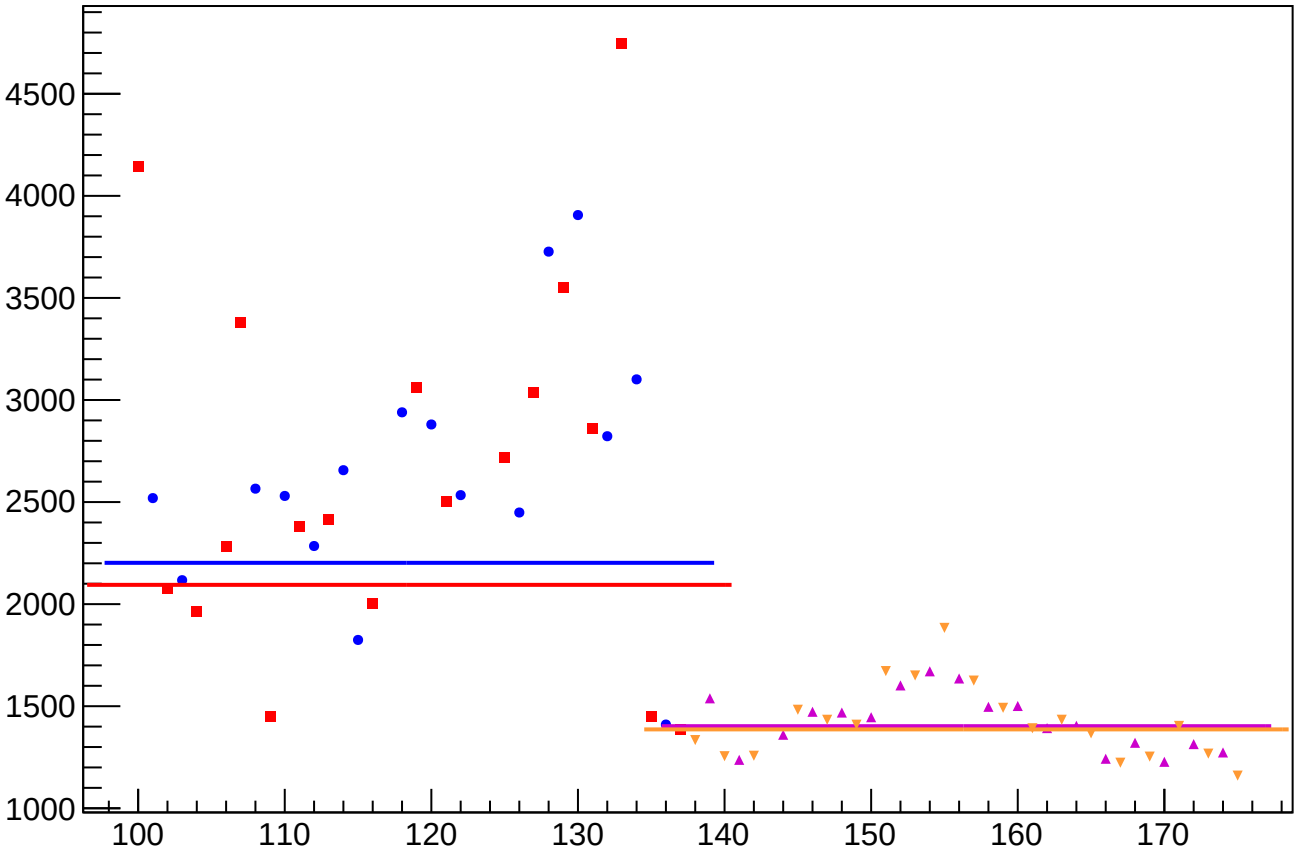
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -495.927+/-365.743 χ^2/NDF:16.8/17

+ sign -1579.971+/-332.565 χ^2/NDF: 76.6/34

All: -1101.873+/-235.668 χ^2/NDF: 111.4/70

- sign -619.615+/-334.009 χ^2/NDF: 30.6/35



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1386.371+/-0.255 χ^2/NDF:415842.9/18

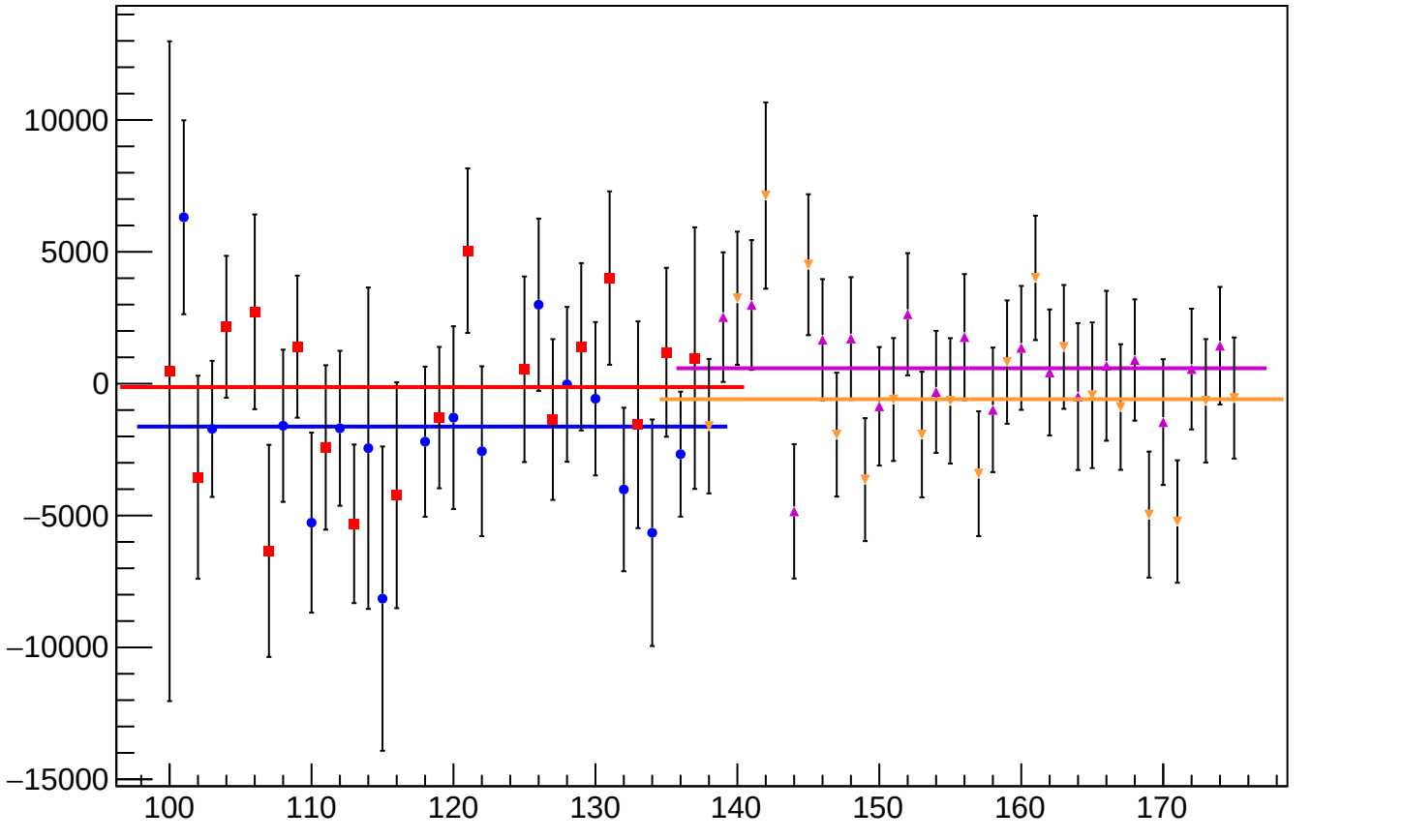
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1402.169+/-0.259 χ^2/NDF:257972.1/17

+ sign 1508.466+/-0.235 χ^2/NDF: 3170884.7/34

All: 1512.760+/-0.167 χ^2/NDF: 5992694.1/70

- sign 1517.092+/-0.236 χ^2/NDF: 2821139.6/35



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -587.873+/-559.353 χ^2/NDF:26.9/18

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

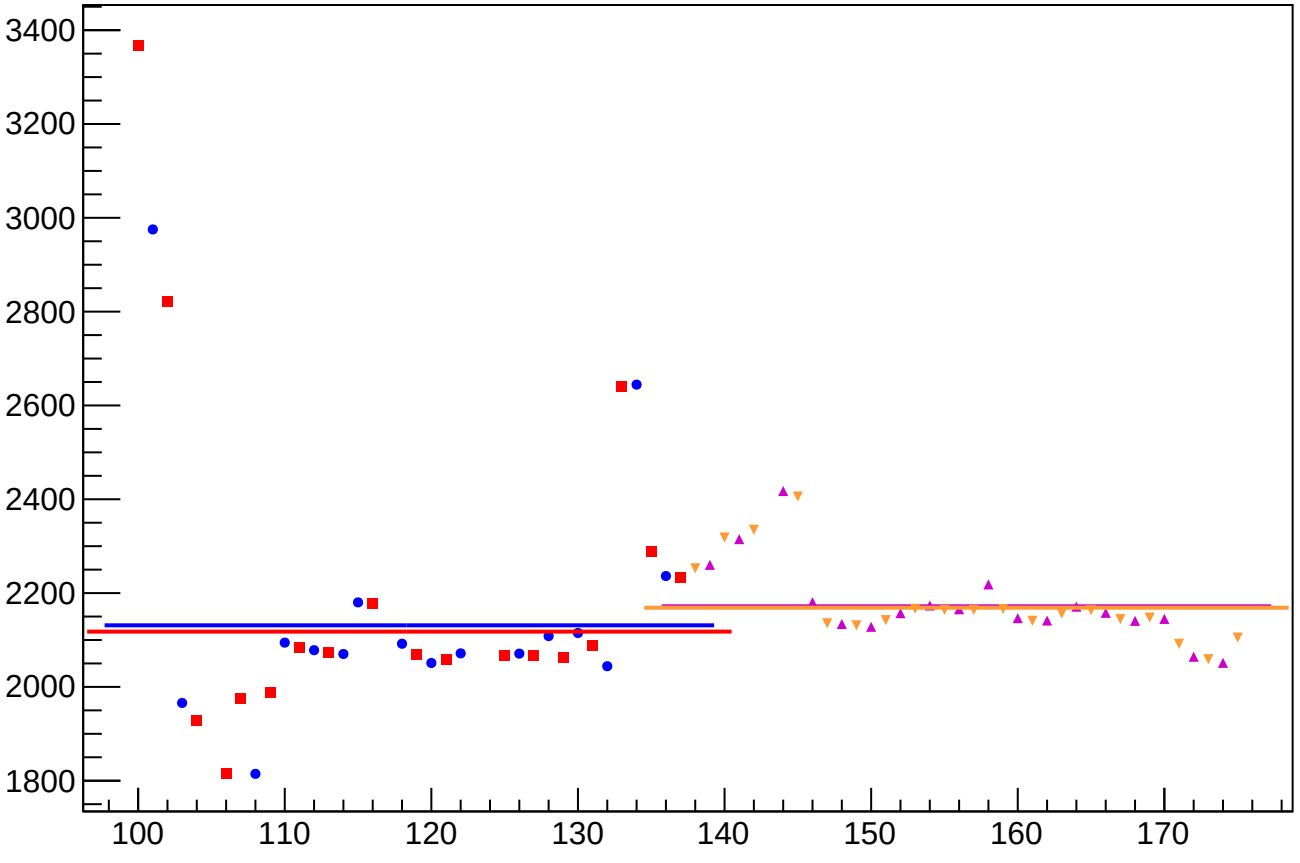
Left In: 585.141+/-563.386 χ^2/NDF:9.8/17

+ sign -930.447+/-458.030 χ^2/NDF: 39.4/34

All: -294.212+/-324.514 χ^2/NDF: 68.1/70

- sign 347.058+/-459.839 χ^2/NDF: 24.9/35

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2168.859+/-0.396 χ^2/NDF:39394.5/18

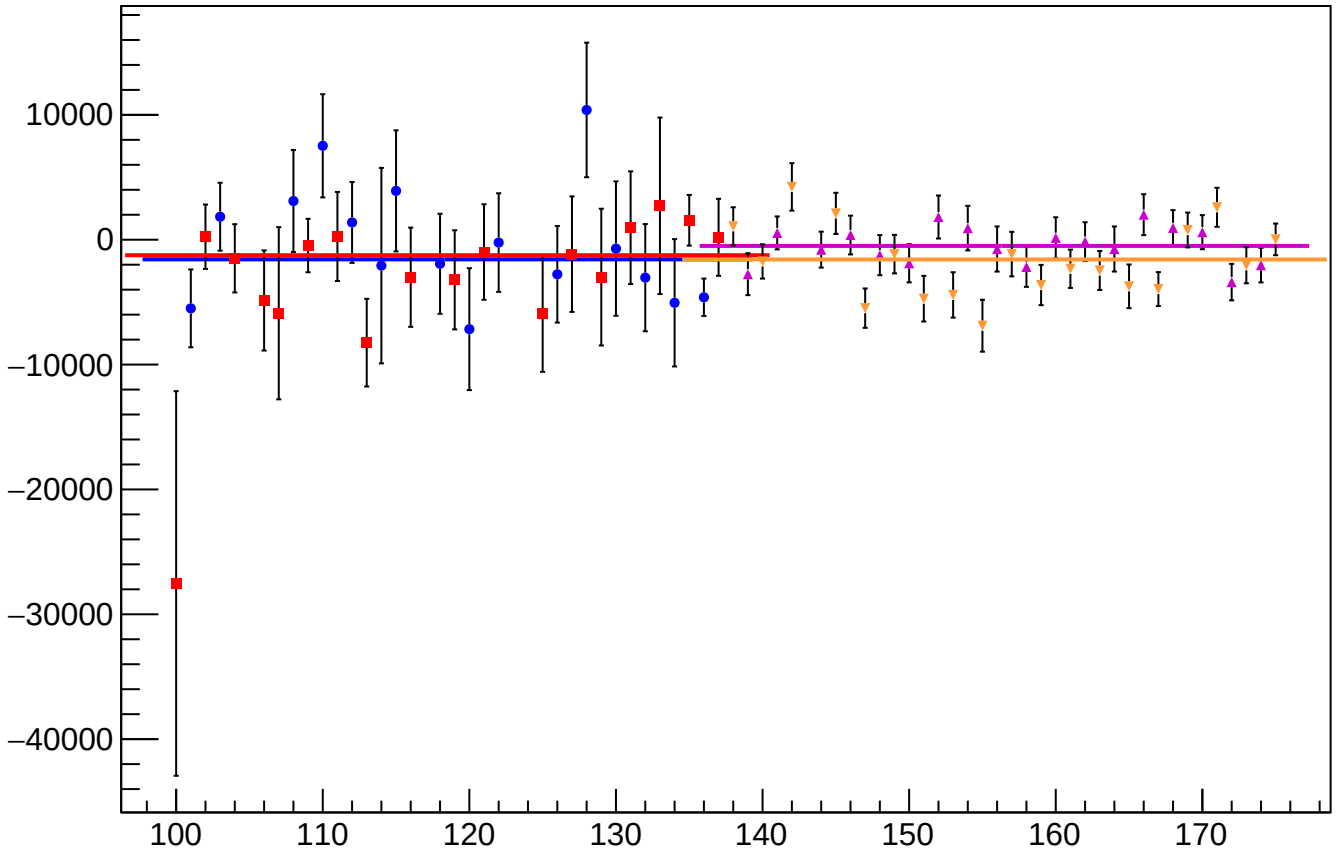
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2171.846+/-0.398 χ^2/NDF:41629.7/17

+ sign 2156.484+/-0.324 χ^2/NDF: 218309.2/34

All: 2155.161+/-0.229 χ^2/NDF: 429723.6/70

- sign 2153.828+/-0.325 χ^2/NDF: 211381.0/35



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1581.539+/-360.638 χ^2/NDF:54.0/18

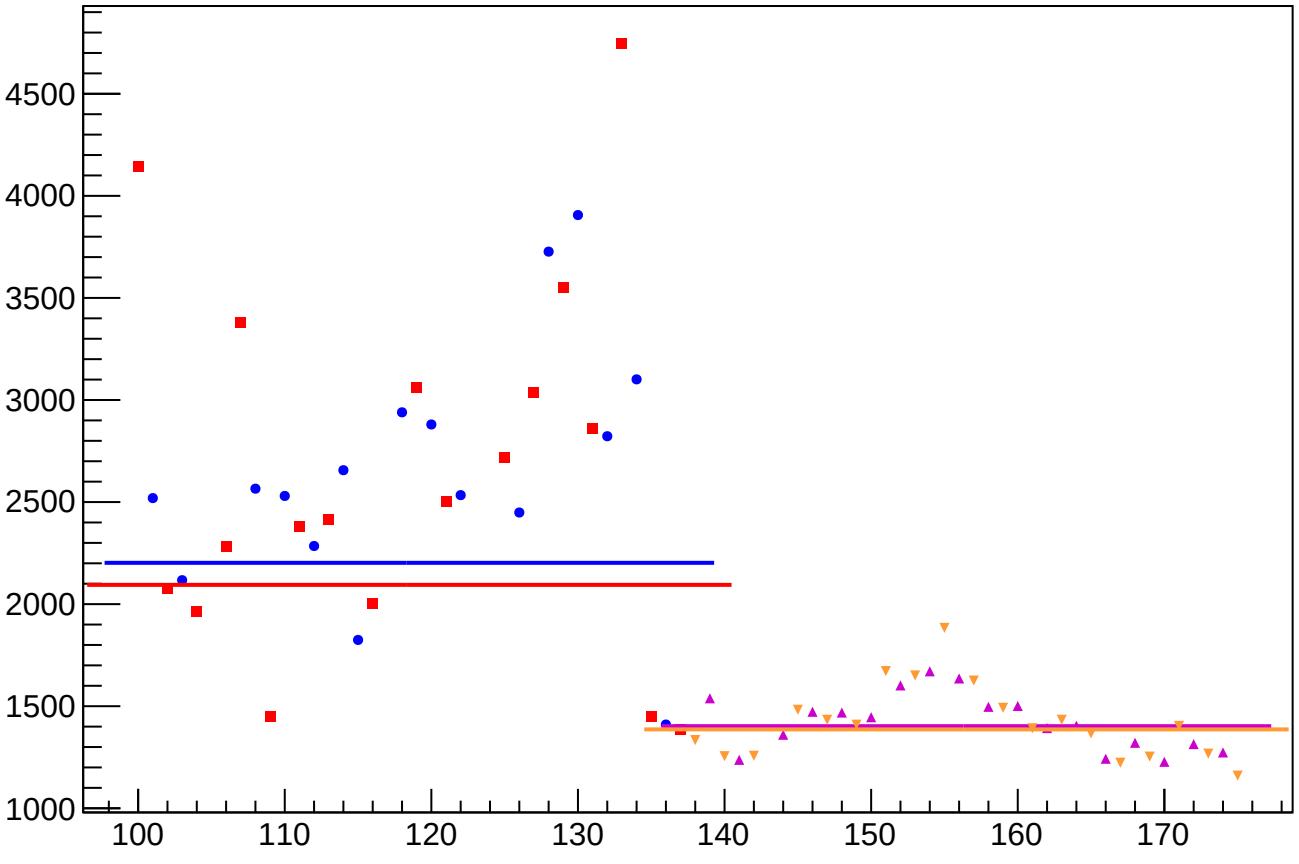
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -495.923+/-365.743 χ^2/NDF:16.8/17

+ sign -1579.971+/-332.565 χ^2/NDF: 76.6/34

All: -1101.872+/-235.668 χ^2/NDF: 111.4/70

- sign -619.614+/-334.009 χ^2/NDF: 30.6/35



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1386.372+/-0.255 χ^2/NDF:415838.2/18

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

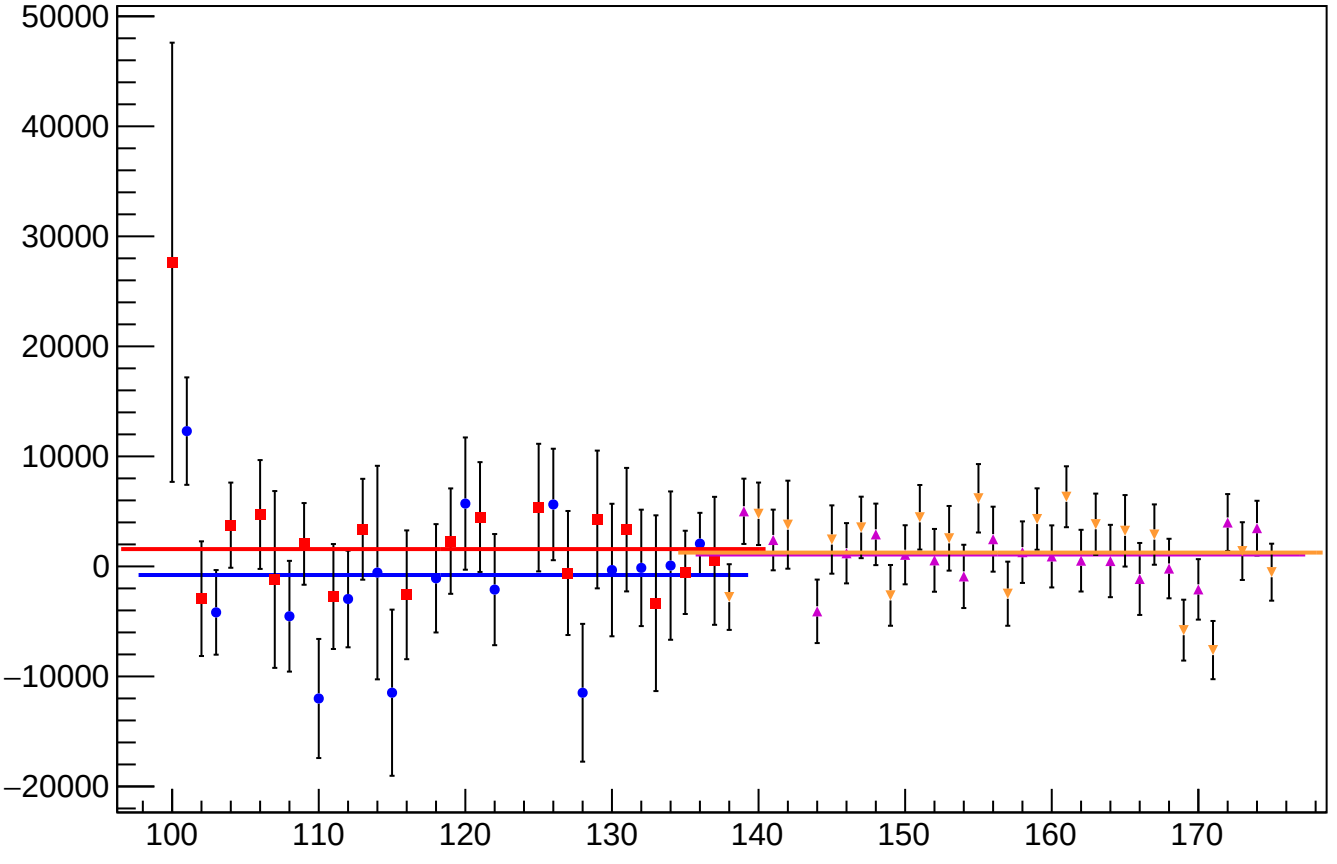
Left In: 1402.169+/-0.259 χ^2/NDF:257977.7/17

+ sign 1508.468+/-0.235 χ^2/NDF: 3170855.9/34

All: 1512.761+/-0.167 χ^2/NDF: 5992660.9/70

- sign 1517.092+/-0.236 χ^2/NDF: 2821135.4/35

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1256.640+/-659.660 χ^2/NDF:36.5/18

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

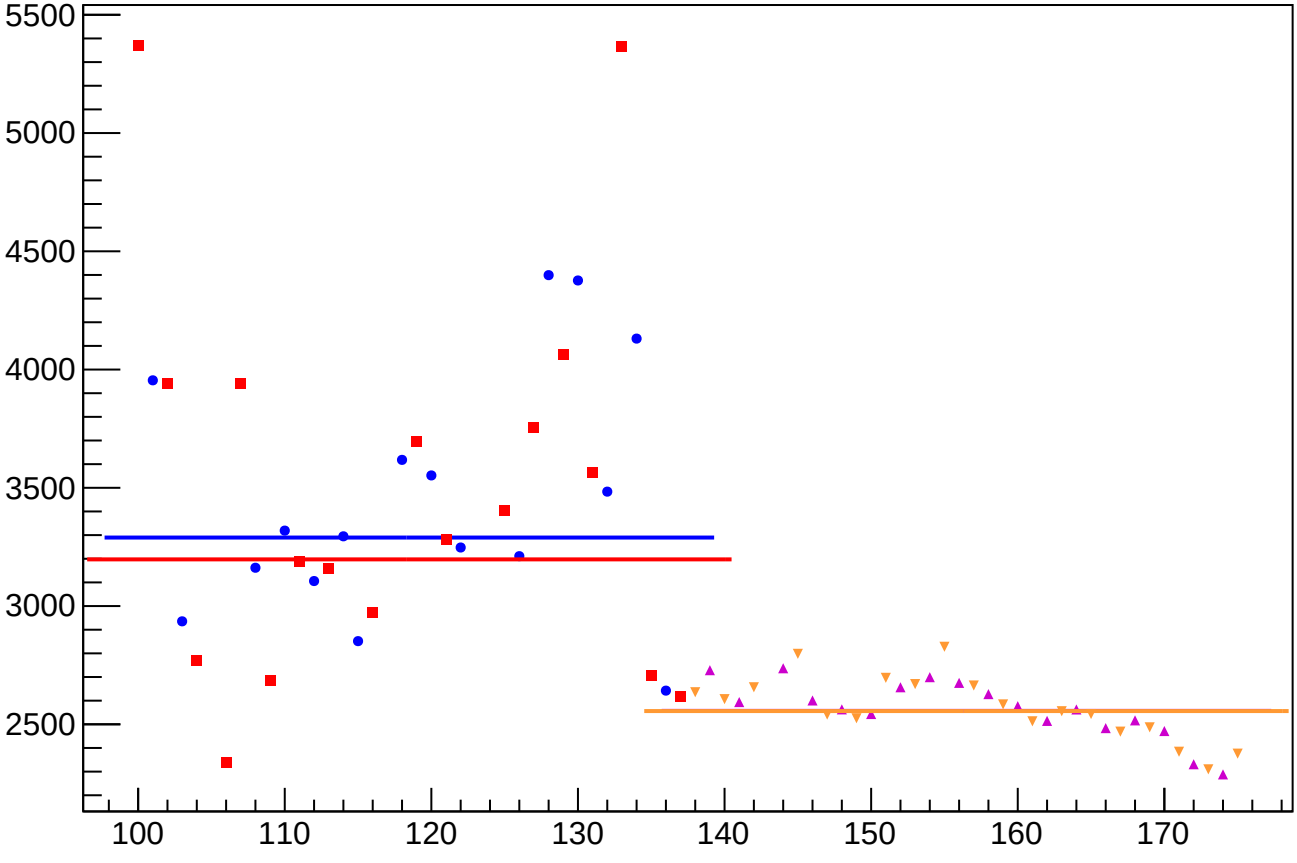
Left In: 1081.928+/-663.660 χ^2/NDF:10.6/17

+ sign 808.004+/-582.556 χ^2/NDF: 60.4/34

All: 1001.194+/-412.041 χ^2/NDF: 78.2/70

- sign 1194.593+/-582.871 χ^2/NDF: 17.5/35

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2556.007+/-0.466 χ^2/NDF:81107.5/18

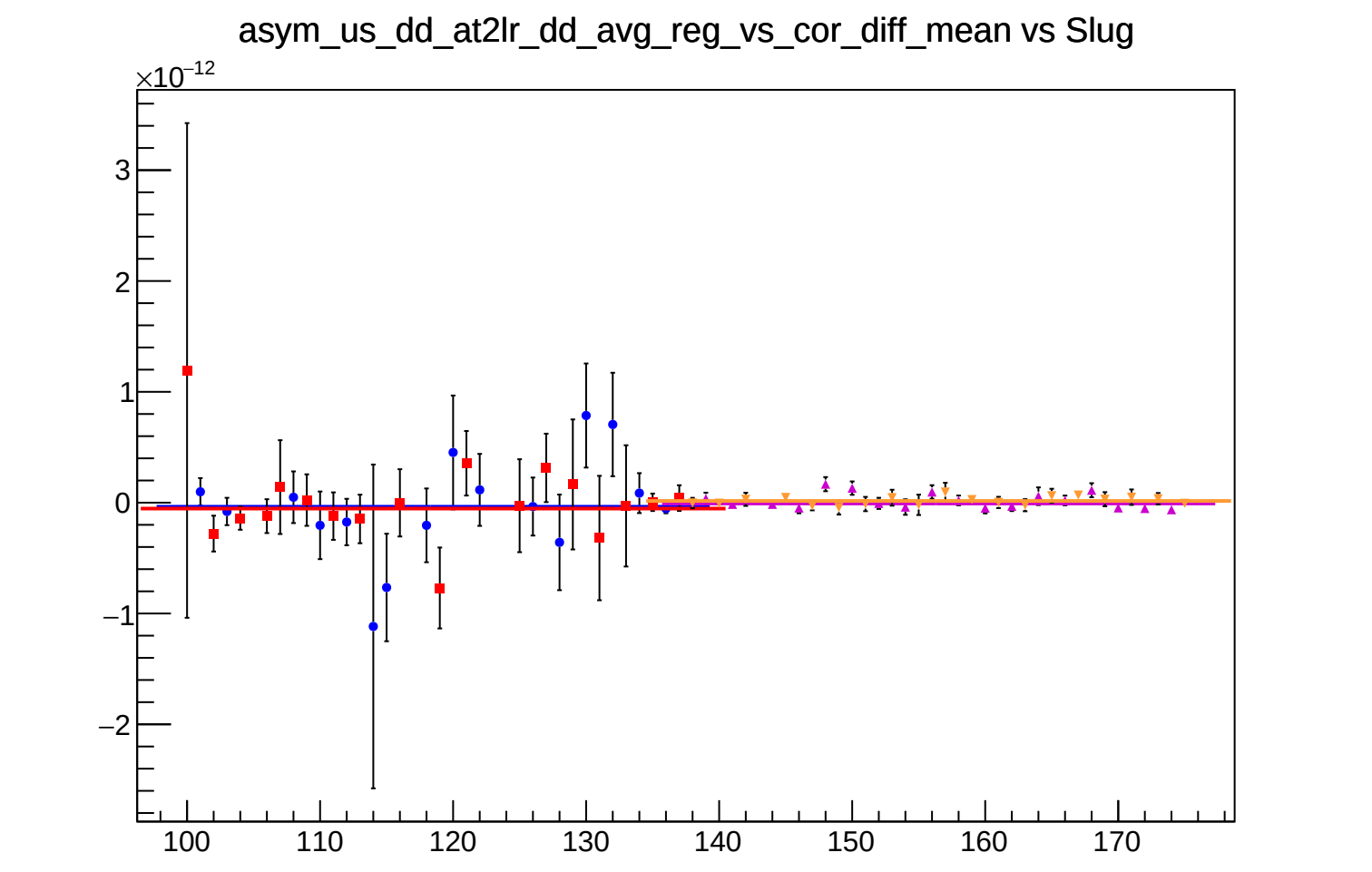
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

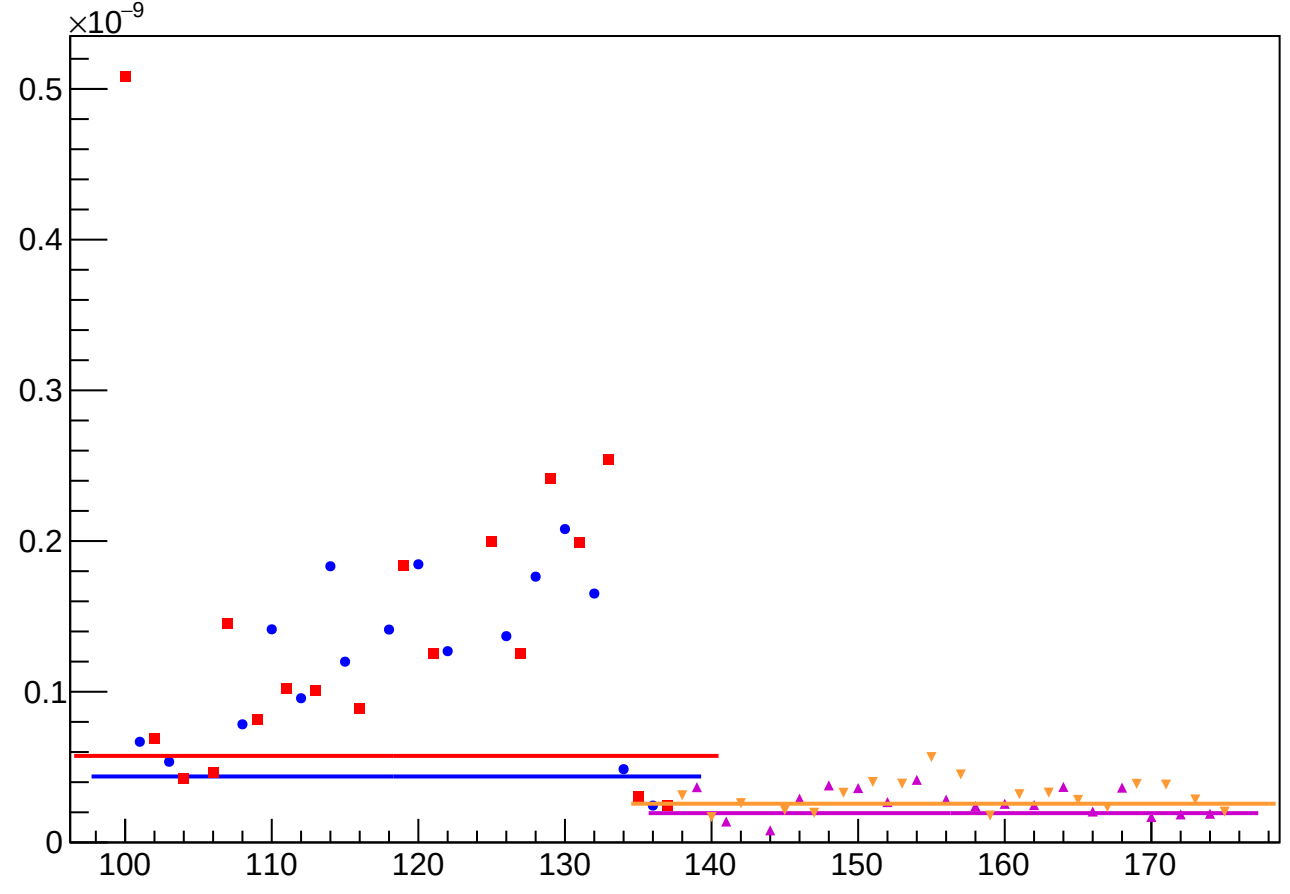
Left In: 2556.803+/-0.469 χ^2/NDF:69815.9/17

+ sign 2717.496+/-0.412 χ^2/NDF: 973255.4/34

All: 2710.387+/-0.291 χ^2/NDF: 1969641.1/70

- sign 2703.271+/-0.412 χ^2/NDF: 995789.7/35


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:8.7/18
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:28.8/17
+ sign 0.000+/-0.000 χ²/NDF: 24.0/34
All: -0.000+/-0.000 χ²/NDF: 68.5/70
- sign -0.000+/-0.000 χ²/NDF: 42.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1183708.7/18

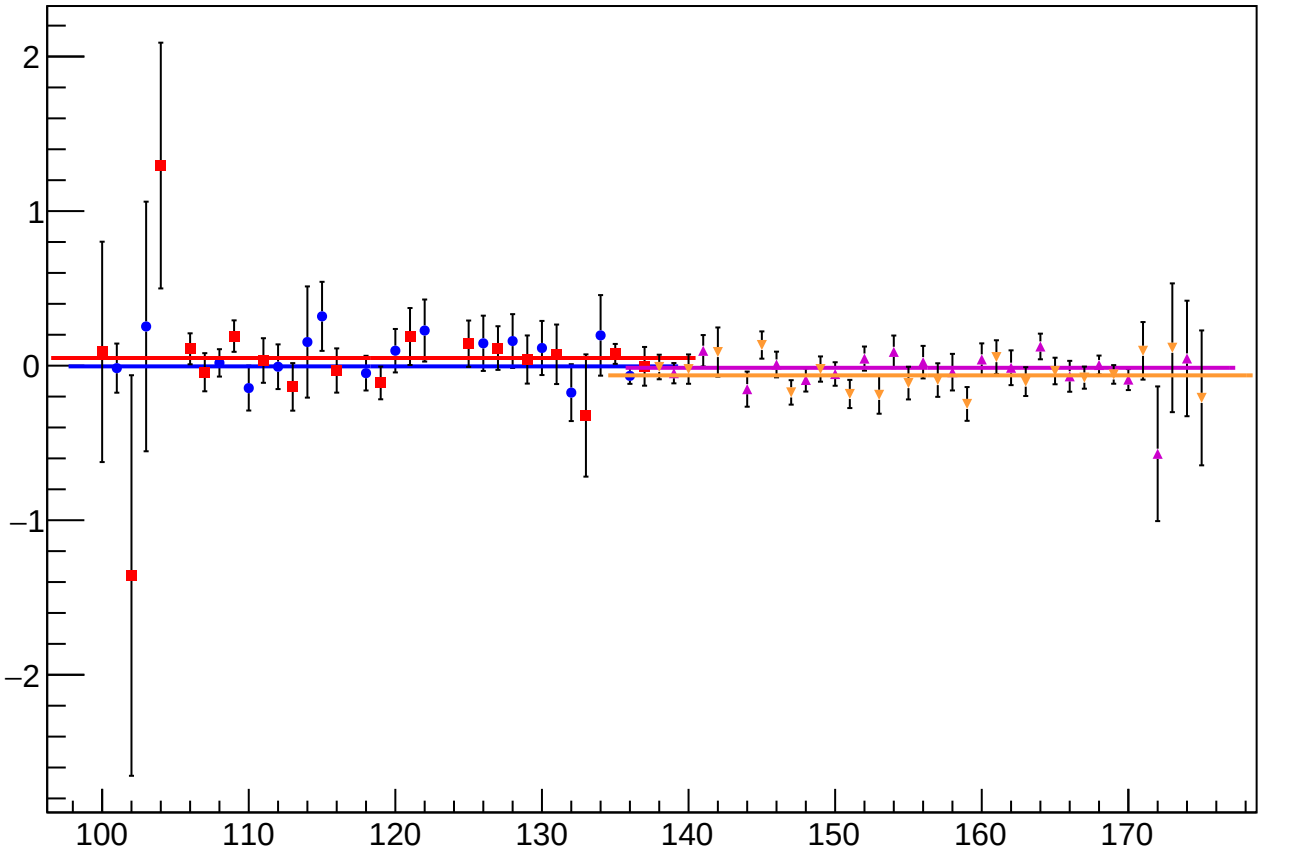
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2109500.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 3914120.0/34

All: 0.000+/-0.000 χ^2/NDF: 9970249.1/70

- sign 0.000+/-0.000 χ^2/NDF: 5661603.2/35



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:17.2/18

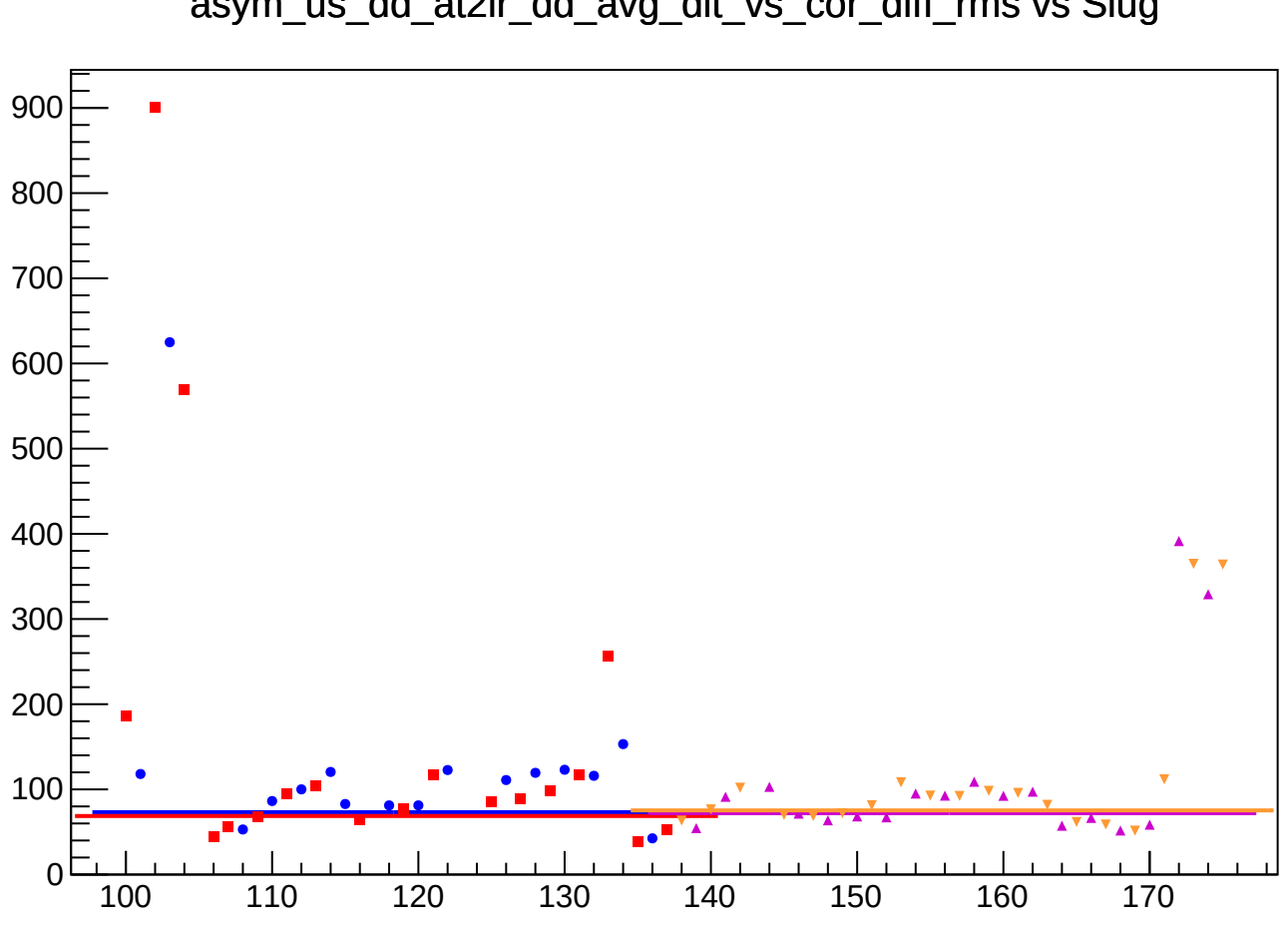
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:12.4/17

+ sign -0.044+/-0.018 χ^2/NDF: 29.7/34

All: -0.018+/-0.013 χ^2/NDF: 61.8/70

- sign 0.006+/-0.018 χ^2/NDF: 28.2/35



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 75.311+/-0.016 χ^2/NDF:2938294.7/18

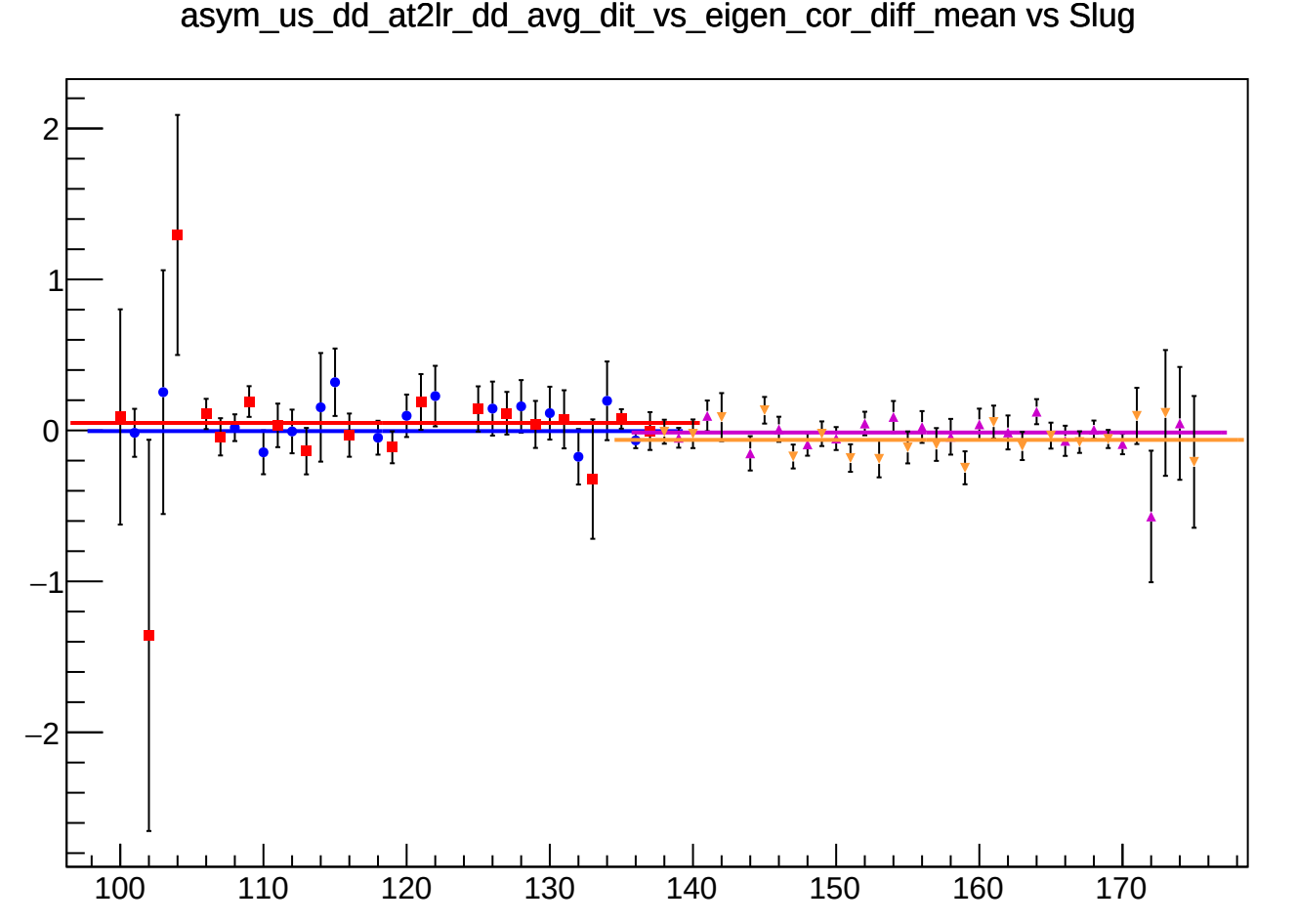
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.105+/-0.015 χ^2/NDF:3335755.8/17

+ sign 74.645+/-0.013 χ^2/NDF: 5798536.2/34

All: 72.787+/-0.009 χ^2/NDF: 12521762.9/70

- sign 71.060+/-0.012 χ^2/NDF: 6683262.1/35



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:17.2/18

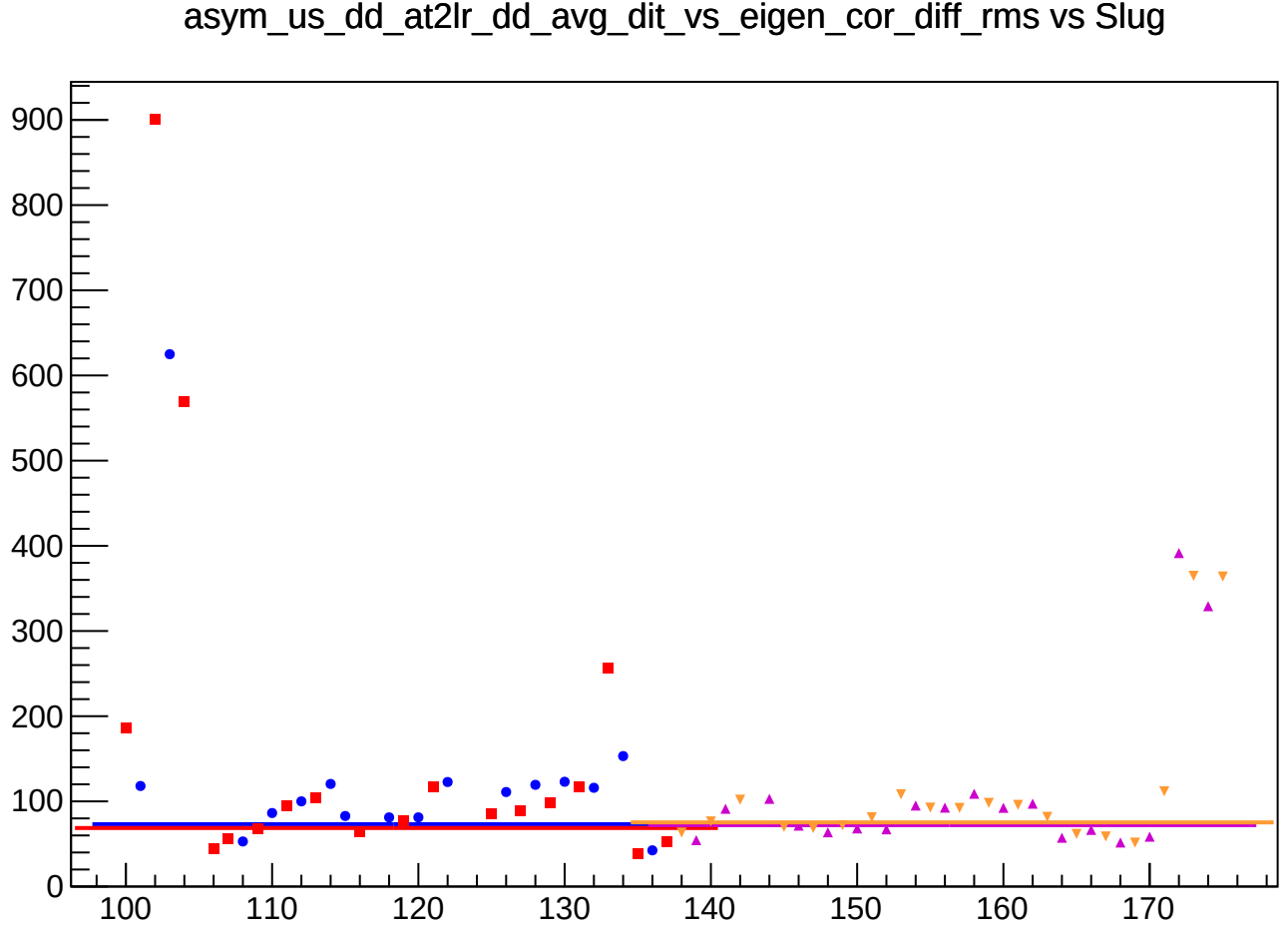
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:12.4/17

+ sign -0.044+/-0.018 χ^2/NDF: 29.7/34

All: -0.018+/-0.013 χ^2/NDF: 61.8/70

- sign 0.006+/-0.018 χ^2/NDF: 28.2/35



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 75.311+/-0.016 χ^2/NDF:2938294.7/18

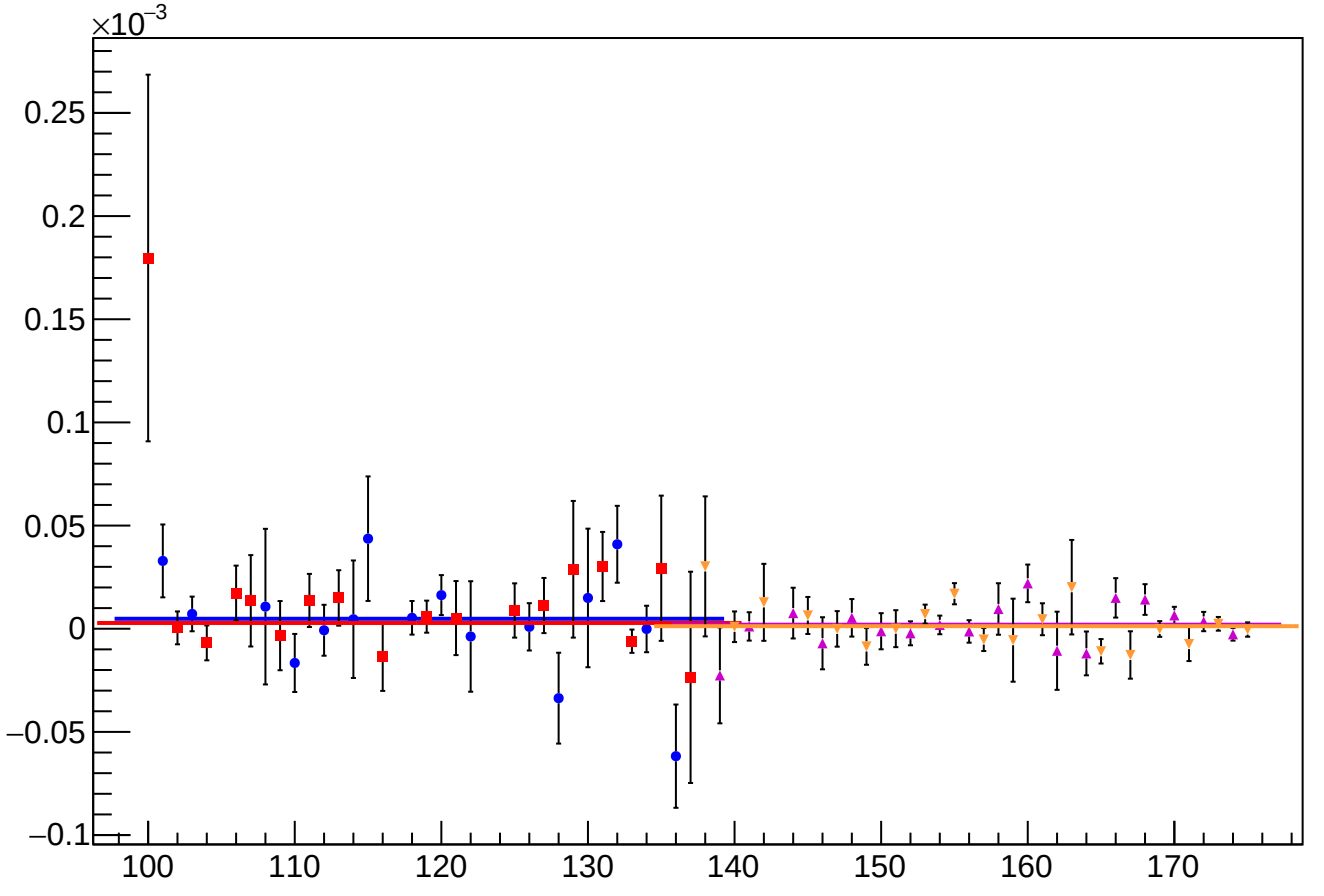
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.105+/-0.015 χ^2/NDF:3335755.8/17

\+ sign 74.645+/-0.013 χ^2/NDF: 5798536.2/34

All: 72.787+/-0.009 χ^2/NDF: 12521762.9/70

\- sign 71.060+/-0.012 χ^2/NDF: 6683262.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.3/18

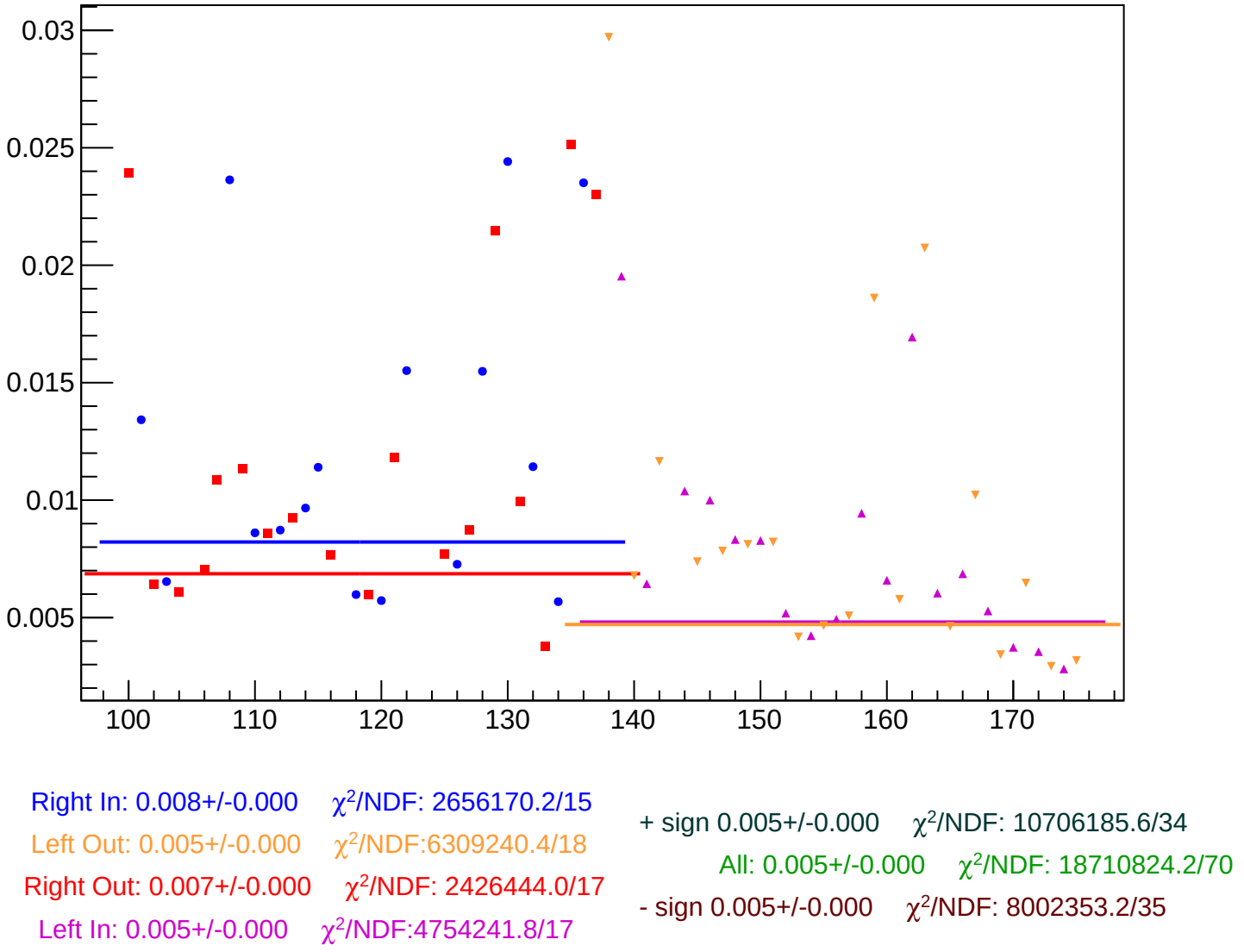
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

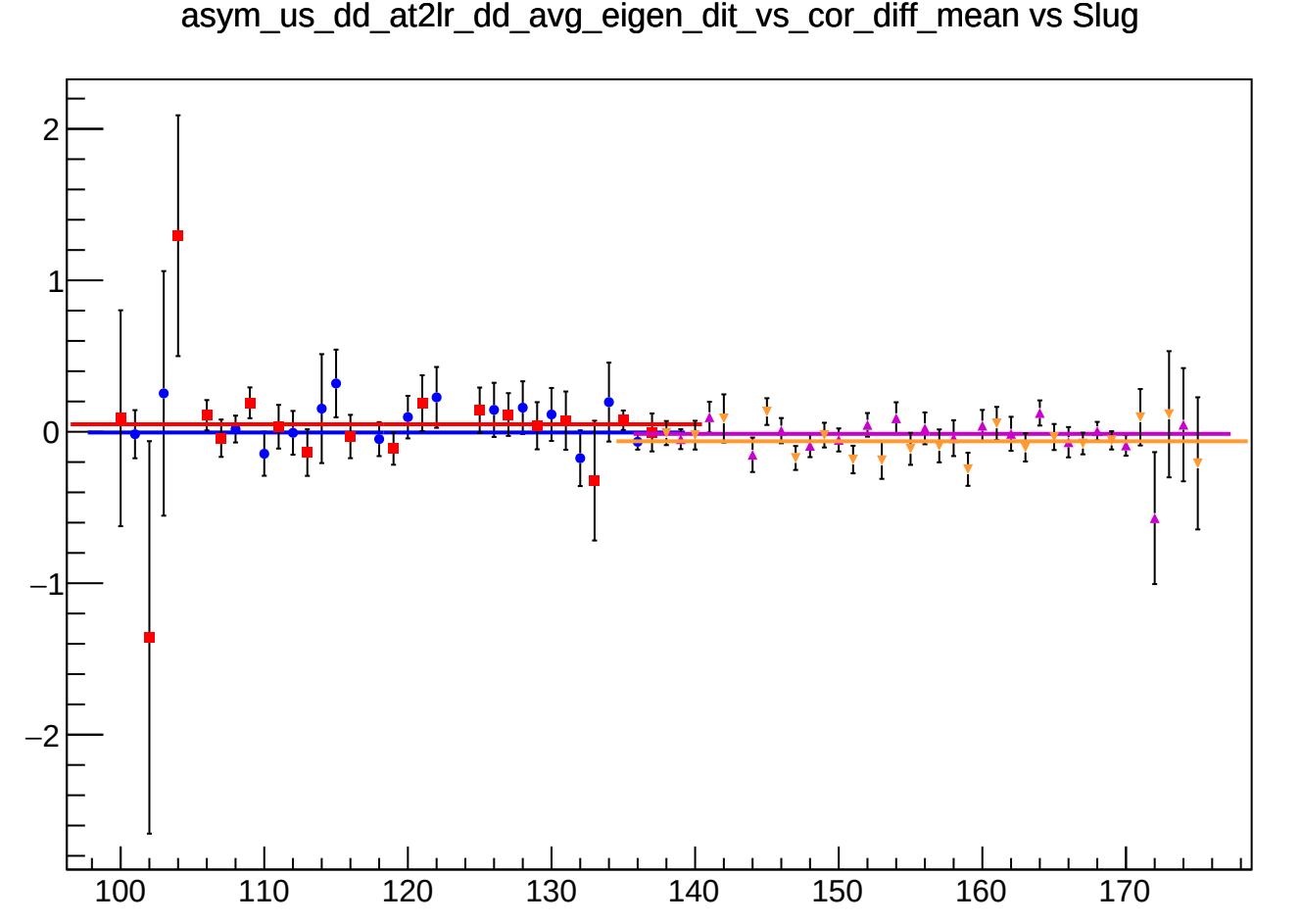
Left In: 0.000+/-0.000 χ^2/NDF:18.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 46.8/34

All: 0.000+/-0.000 χ^2/NDF: 82.2/70

- sign 0.000+/-0.000 χ^2/NDF: 35.4/35


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.008+/-0.000 χ²/NDF: 2656170.2/15
Left Out: 0.005+/-0.000 χ²/NDF:6309240.4/18
Right Out: 0.007+/-0.000 χ²/NDF: 2426444.0/17
Left In: 0.005+/-0.000 χ²/NDF:4754241.8/17
+ sign 0.005+/-0.000 χ²/NDF: 10706185.6/34
All: 0.005+/-0.000 χ²/NDF: 18710824.2/70
- sign 0.005+/-0.000 χ²/NDF: 8002353.2/35



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:17.2/18

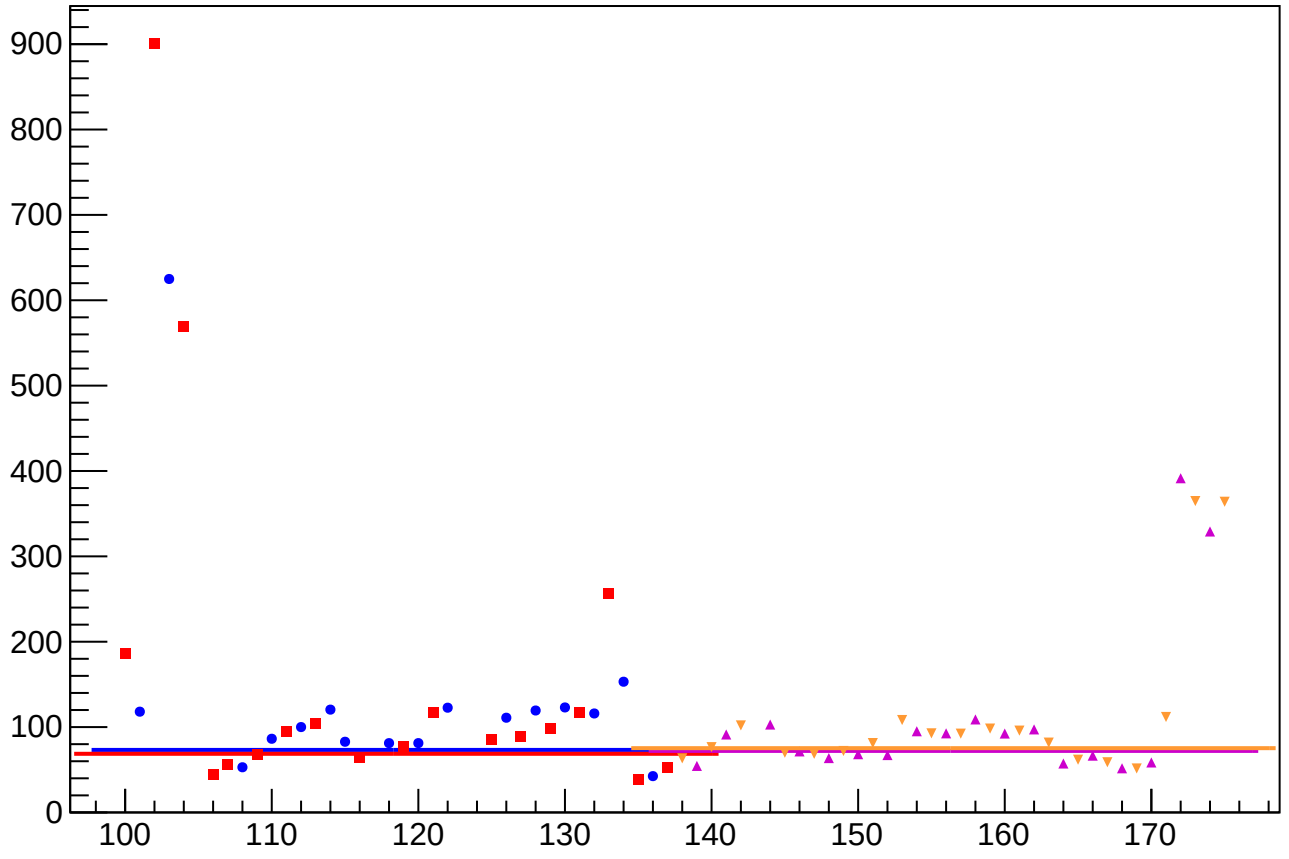
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:12.4/17

+ sign -0.044+/-0.018 χ^2/NDF: 29.7/34

All: -0.018+/-0.013 χ^2/NDF: 61.8/70

- sign 0.006+/-0.018 χ^2/NDF: 28.2/35



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 75.311+/-0.016 χ^2/NDF:2938211.5/18

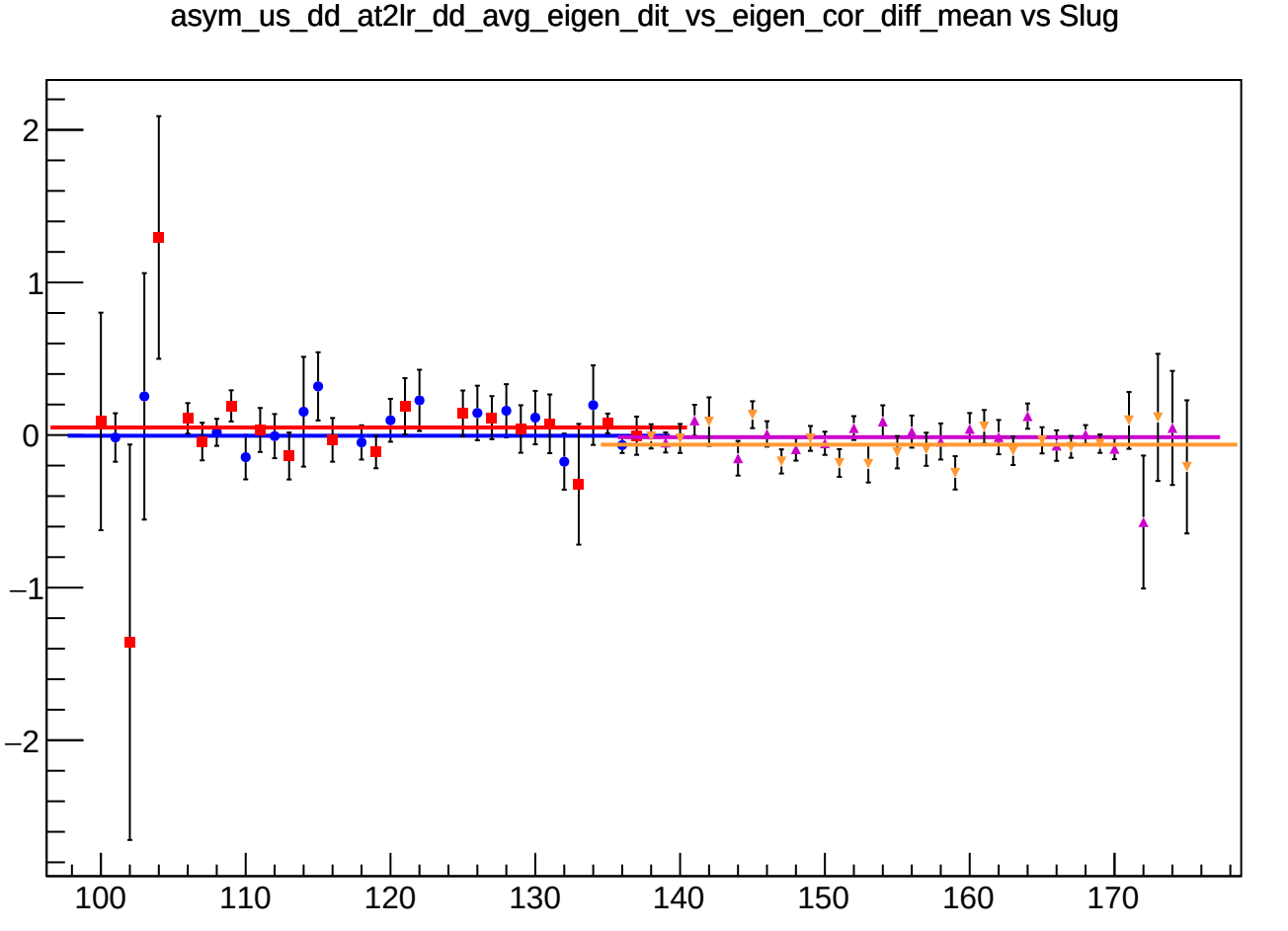
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.106+/-0.015 χ^2/NDF:3335495.1/17

+ sign 74.653+/-0.013 χ^2/NDF: 5796020.1/34

All: 72.789+/-0.009 χ^2/NDF: 12520343.4/70

- sign 71.058+/-0.012 χ^2/NDF: 6684119.5/35



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:17.2/18

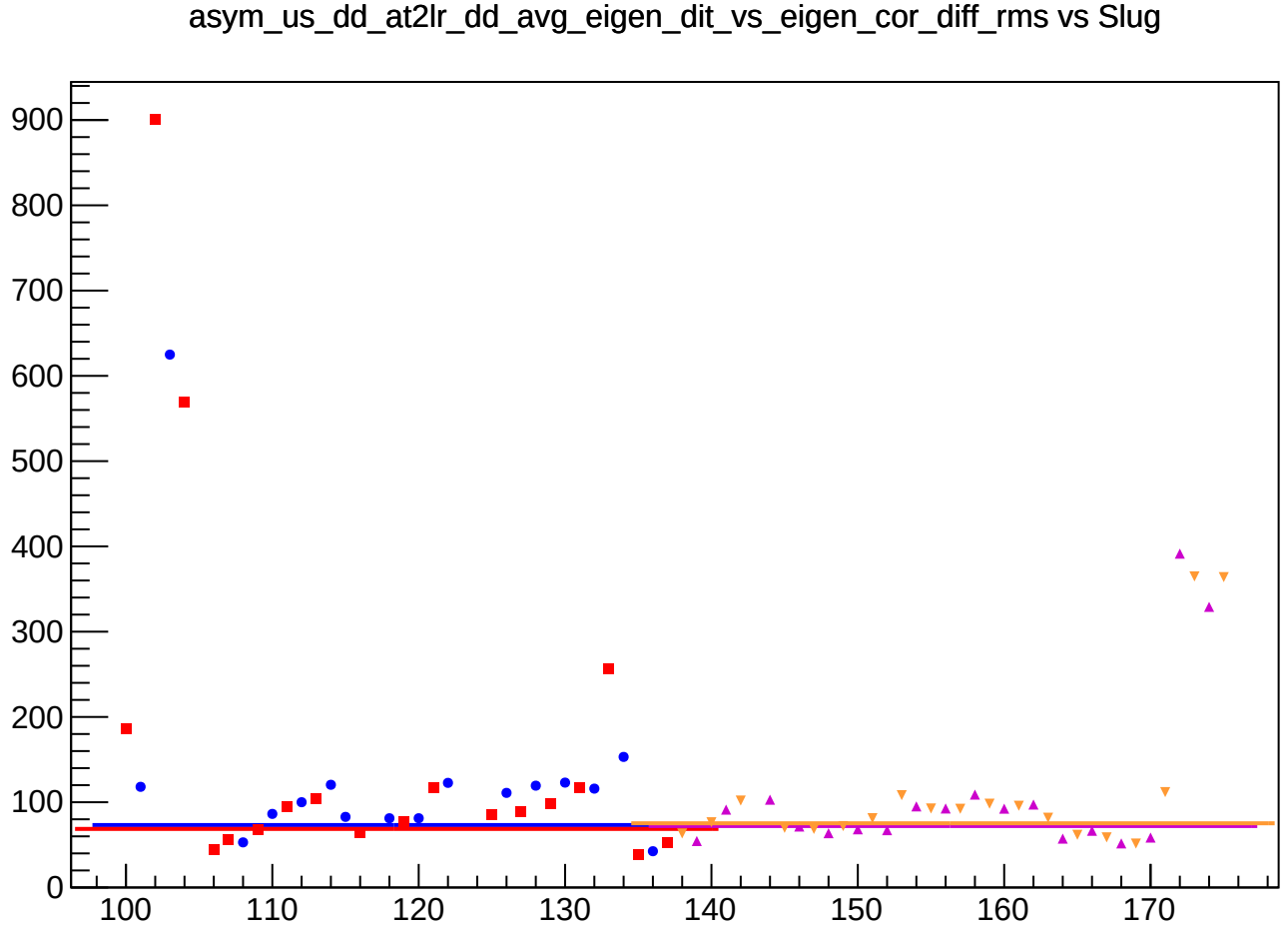
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:12.4/17

+ sign -0.044+/-0.018 χ^2/NDF: 29.7/34

All: -0.018+/-0.013 χ^2/NDF: 61.8/70

- sign 0.006+/-0.018 χ^2/NDF: 28.2/35



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 75.311+/-0.016 χ^2/NDF:2938211.5/18

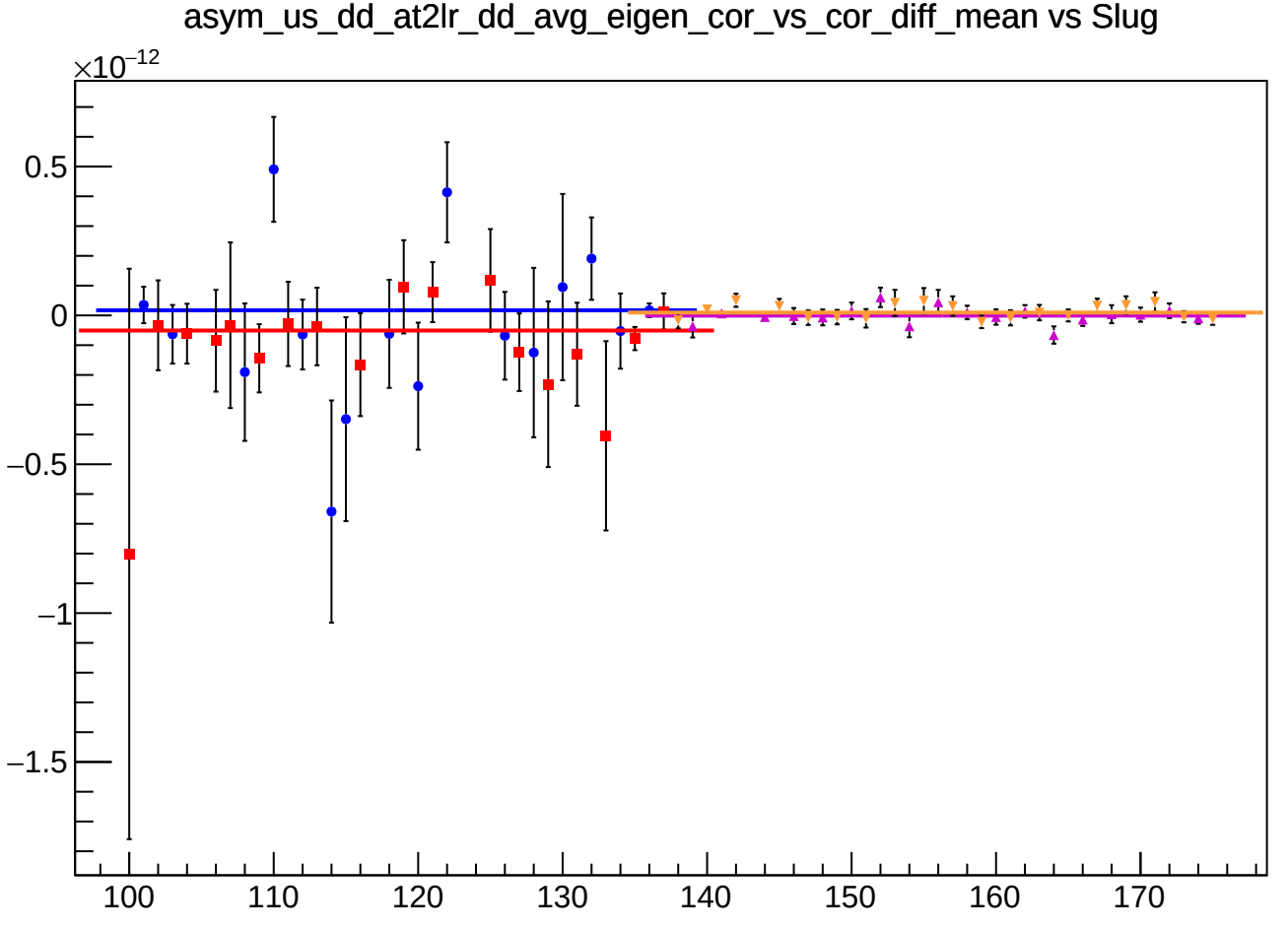
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.106+/-0.015 χ^2/NDF:3335495.1/17

+ sign 74.653+/-0.013 χ^2/NDF: 5796020.1/34

All: 72.789+/-0.009 χ^2/NDF: 12520343.4/70

- sign 71.058+/-0.012 χ^2/NDF: 6684119.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/18

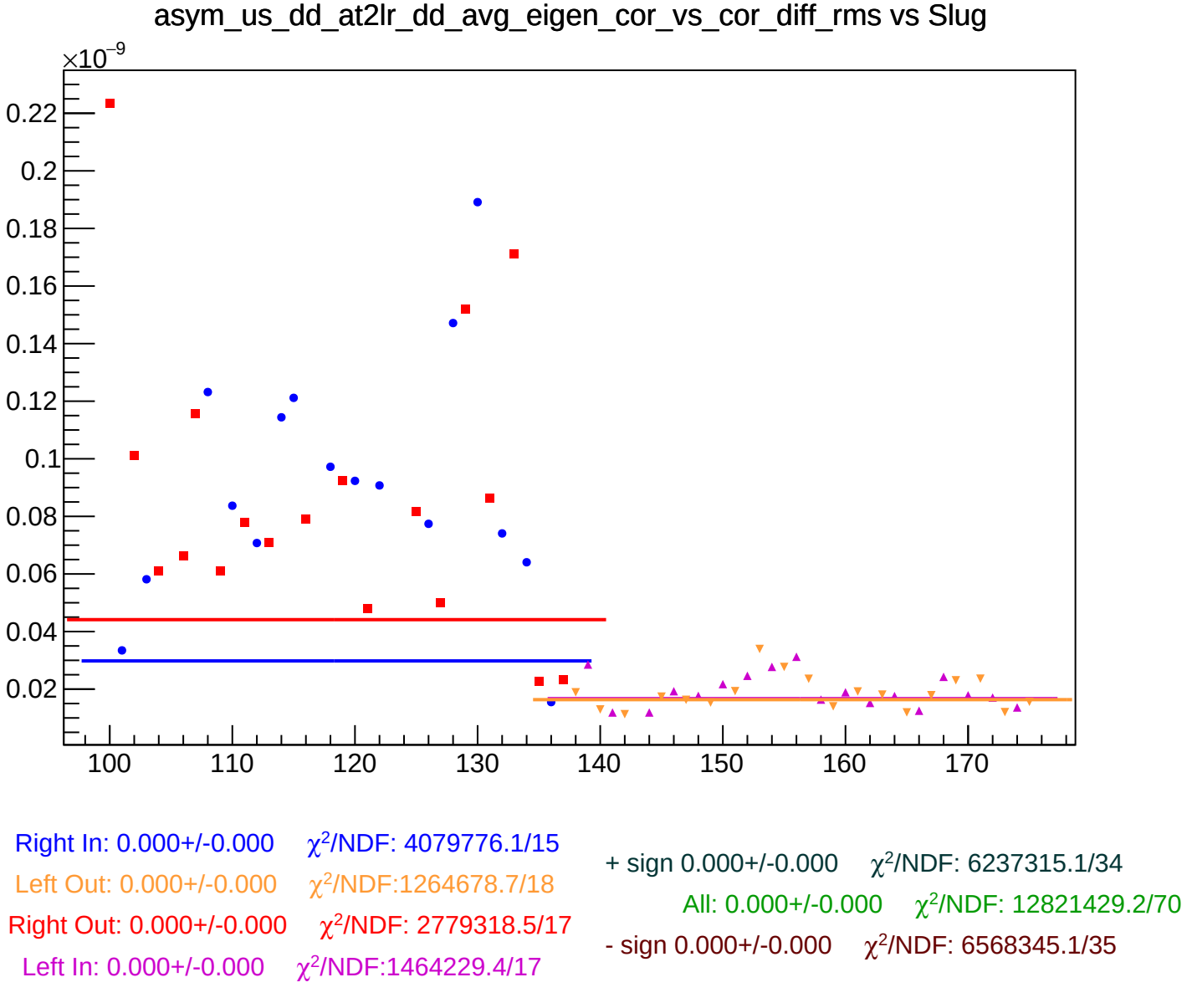
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:14.0/17

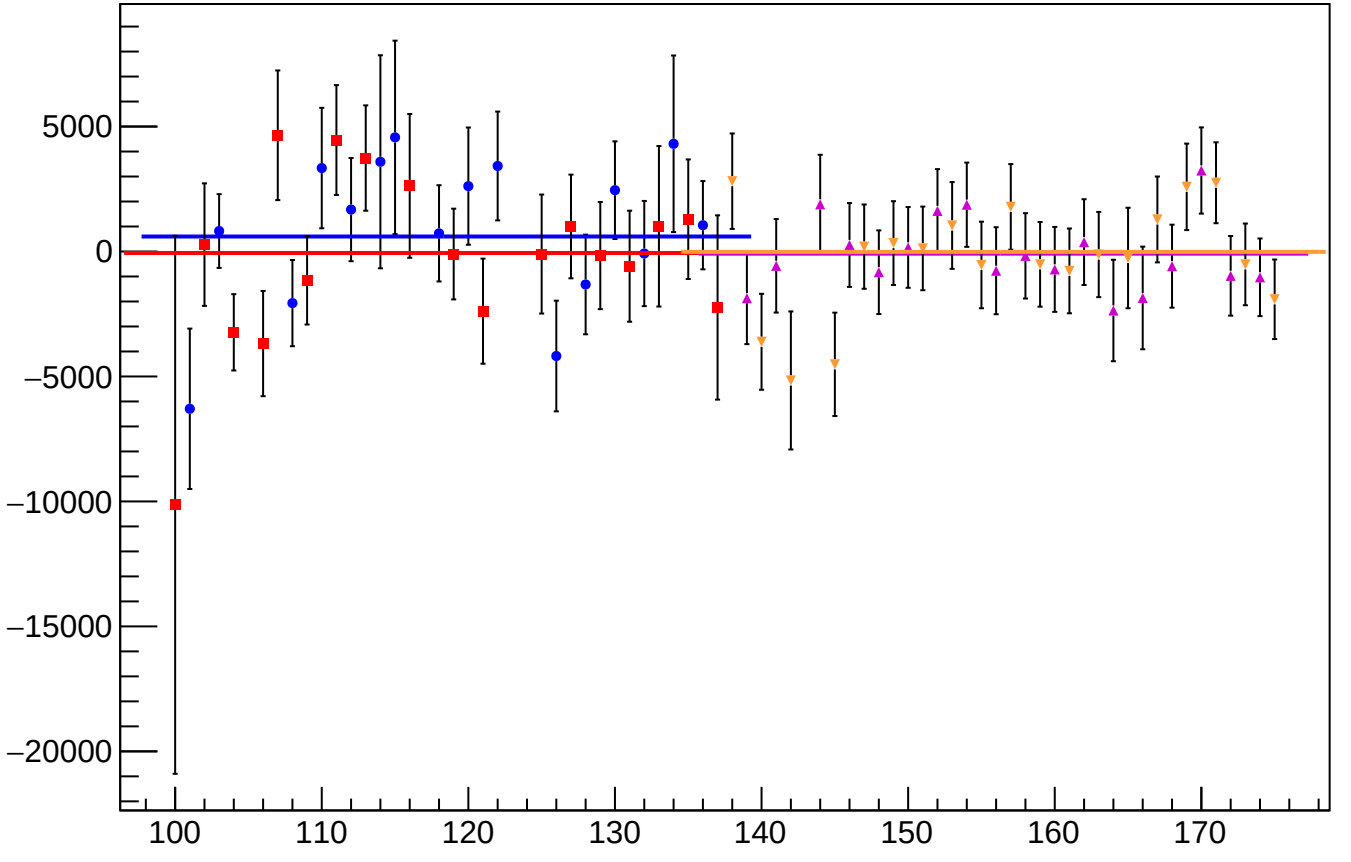
+ sign 0.000+/-0.000 χ^2/NDF: 39.7/34

All: 0.000+/-0.000 χ^2/NDF: 69.6/70

- sign -0.000+/-0.000 χ^2/NDF: 27.0/35


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1264678.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1464229.4/17
+ sign 0.000+/-0.000 χ²/NDF: 6237315.1/34
All: 0.000+/-0.000 χ²/NDF: 12821429.2/70
- sign 0.000+/-0.000 χ²/NDF: 6568345.1/35

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -14.124+/-405.107 χ^2/NDF:23.1/18

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

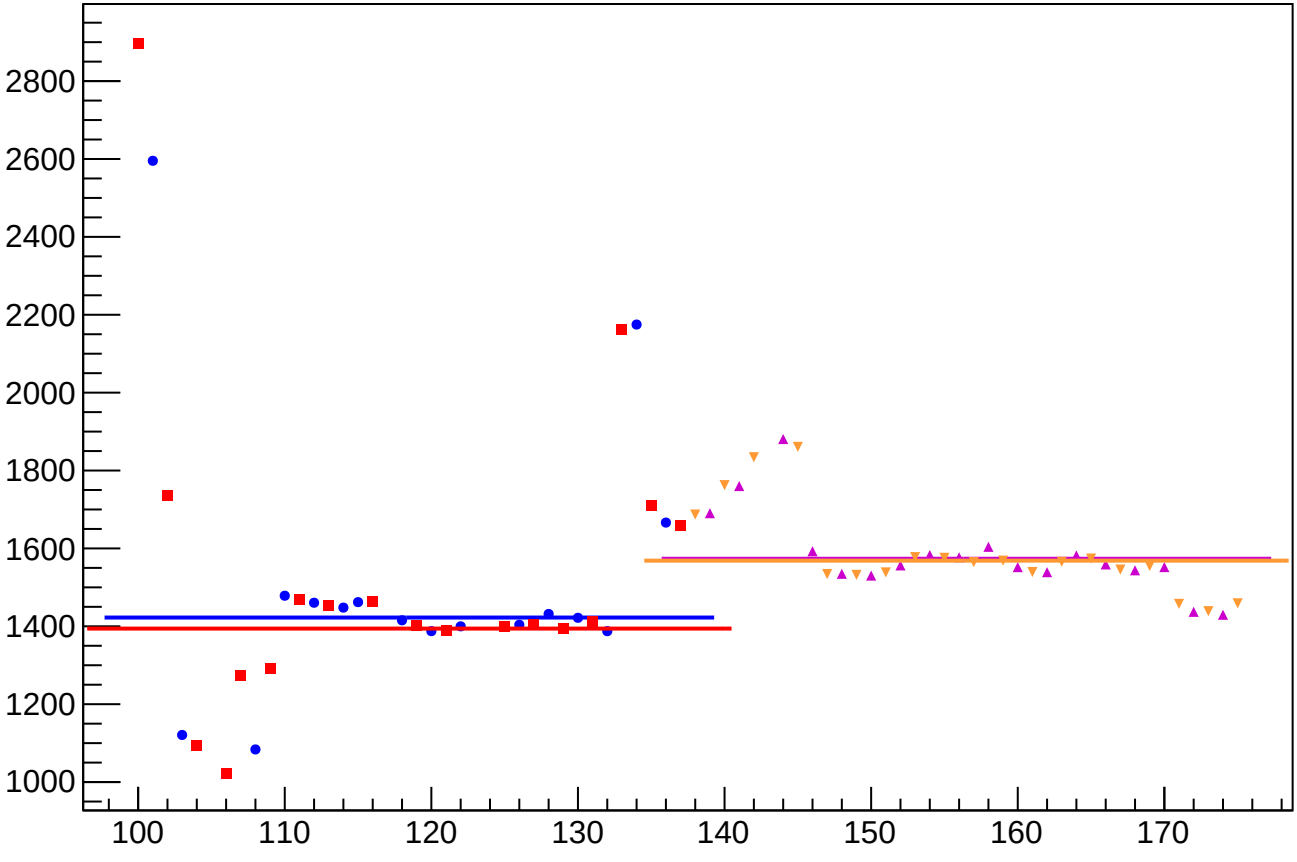
Left In: -86.958+/-408.681 χ^2/NDF:11.5/17

+ sign 207.060+/-324.066 χ^2/NDF: 44.3/34

All: 65.077+/-229.015 χ^2/NDF: 78.7/70

- sign -76.572+/-323.685 χ^2/NDF: 34.1/35

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1568.611+/-0.286 χ^2/NDF:121602.3/18

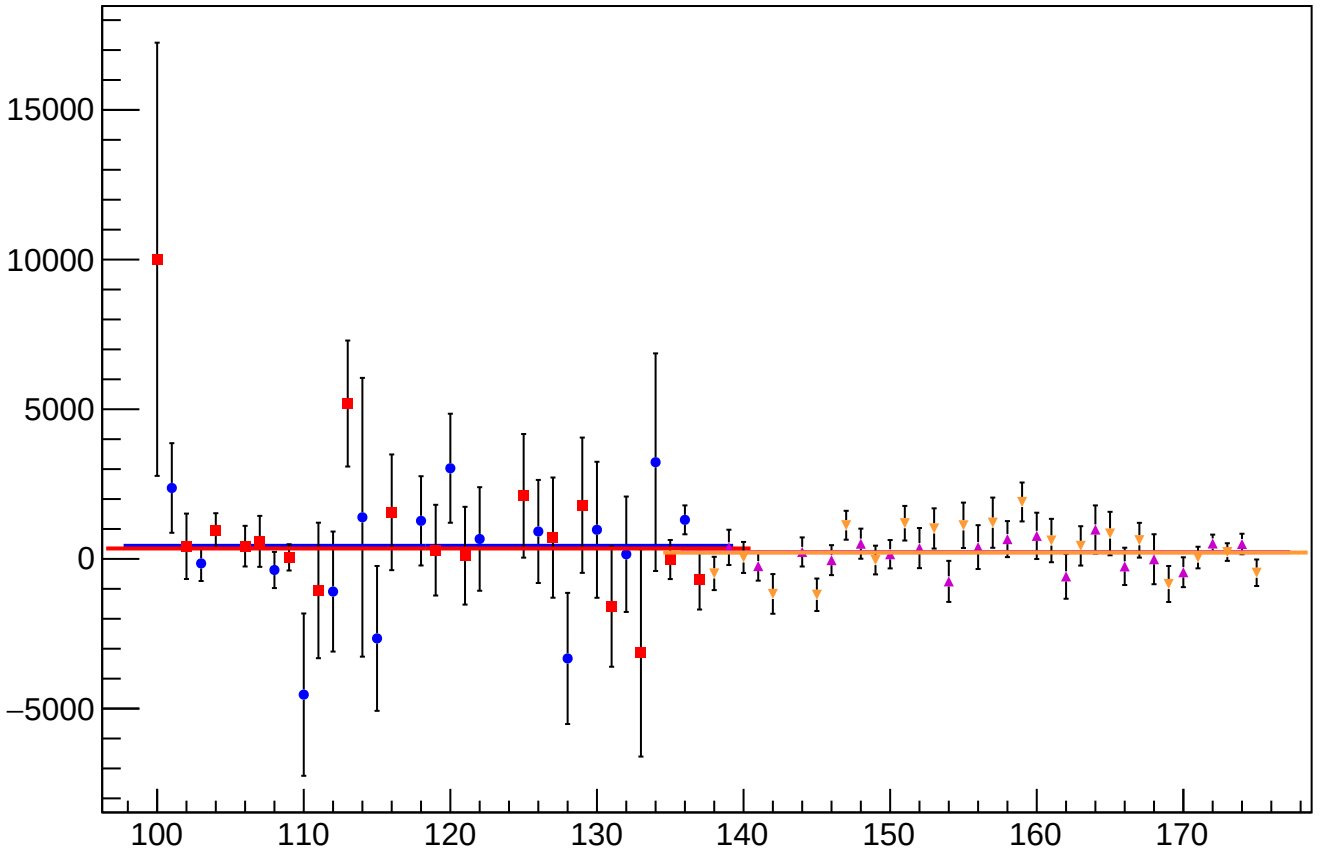
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1573.468+/-0.289 χ^2/NDF:113755.1/17

+ sign 1516.005+/-0.229 χ^2/NDF: 775524.0/34

All: 1511.319+/-0.162 χ^2/NDF: 1427252.8/70

- sign 1506.644+/-0.229 χ^2/NDF: 650893.4/35



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 212.687+/-121.139 χ^2/NDF:37.8/18

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

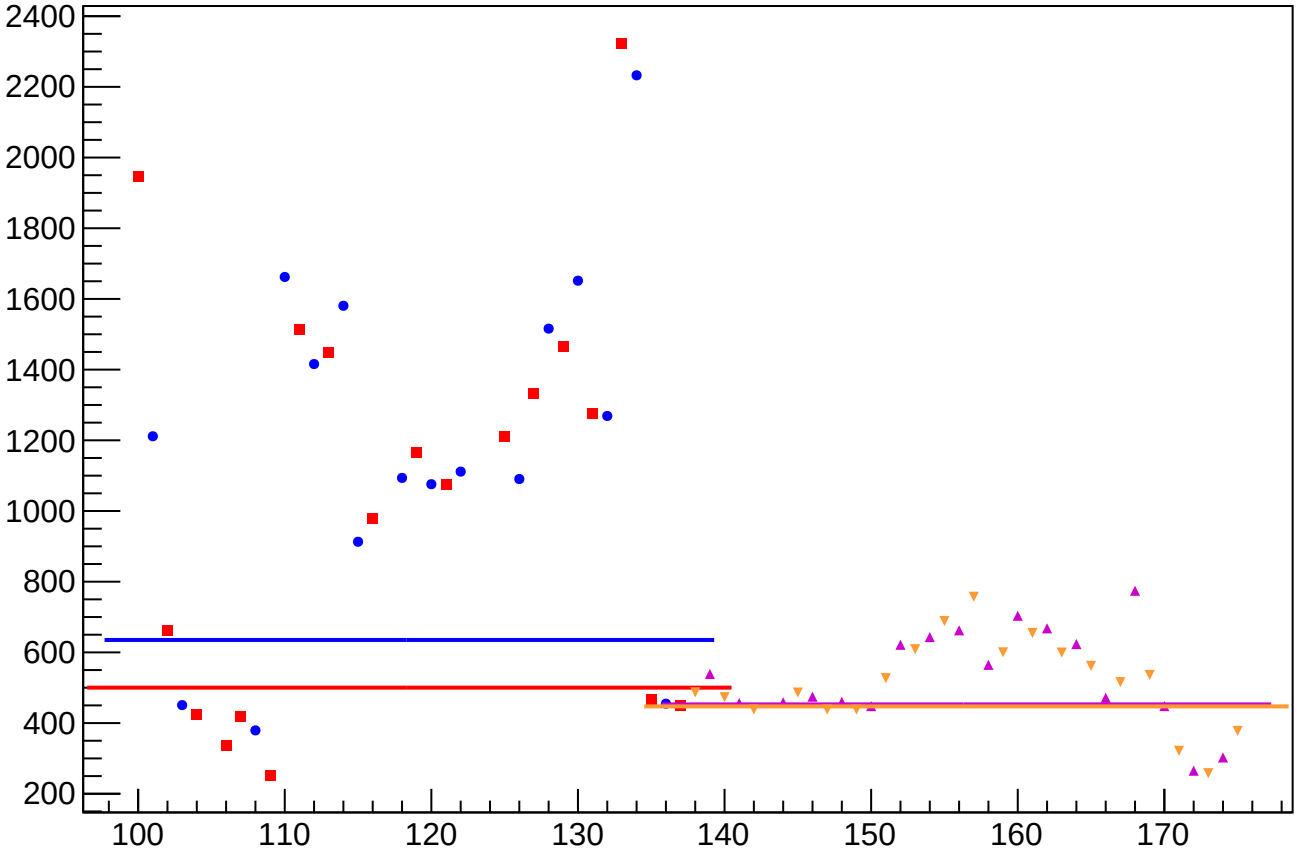
Left In: 226.367+/-123.385 χ^2/NDF:10.9/17

+ sign 248.858+/-110.919 χ^2/NDF: 57.7/34

All: 250.961+/-77.787 χ^2/NDF: 82.7/70

- sign 252.997+/-109.116 χ^2/NDF: 25.0/35

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 447.170+/-0.086 χ^2/NDF:2276399.2/18

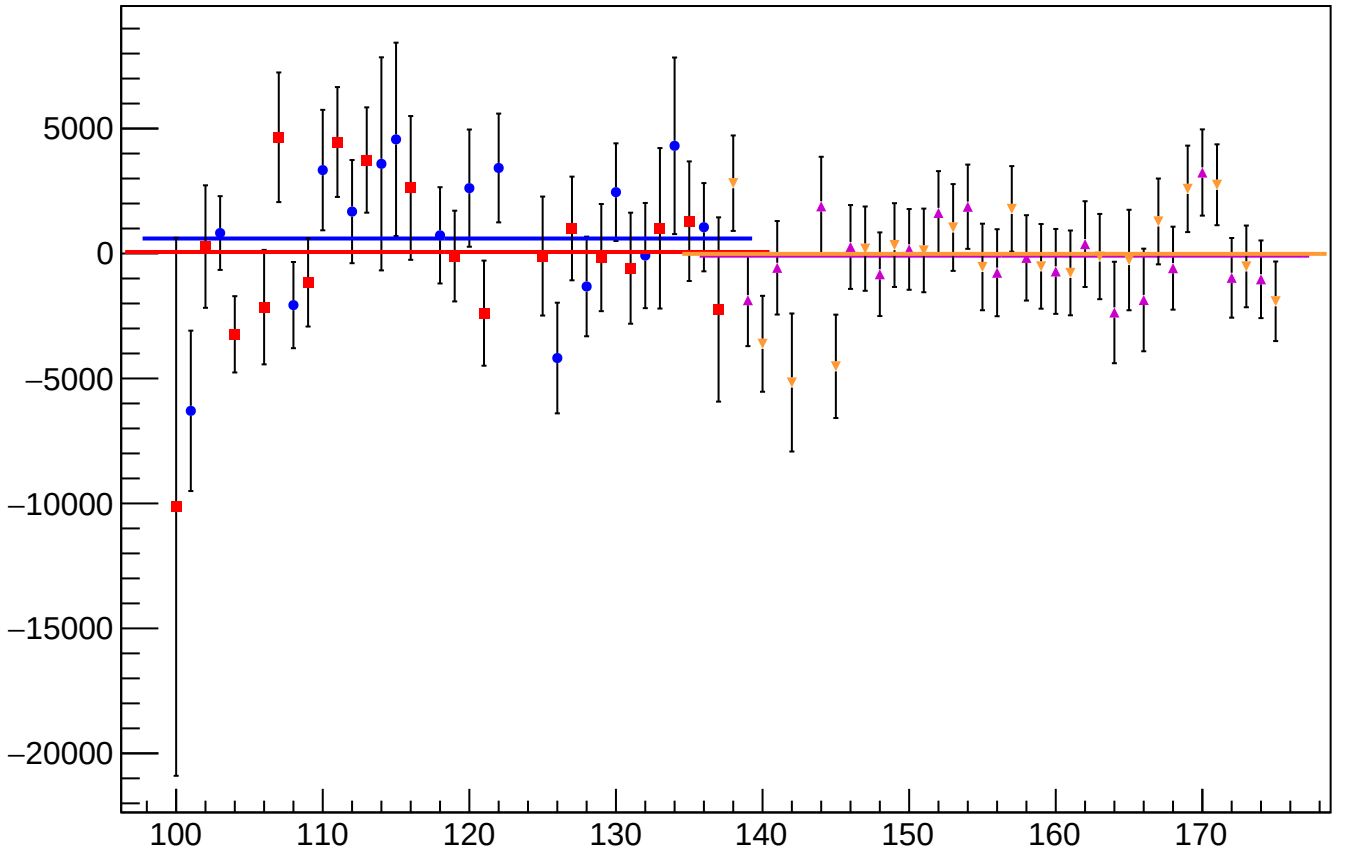
Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 452.798+/-0.087 χ^2/NDF:2516069.0/17

+ sign 477.547+/-0.078 χ^2/NDF: 6807151.2/34

All: 470.222+/-0.055 χ^2/NDF: 13713886.6/70

- sign 463.134+/-0.077 χ^2/NDF: 6889575.3/35



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -14.195+/-405.107 χ^2/NDF:23.1/18

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

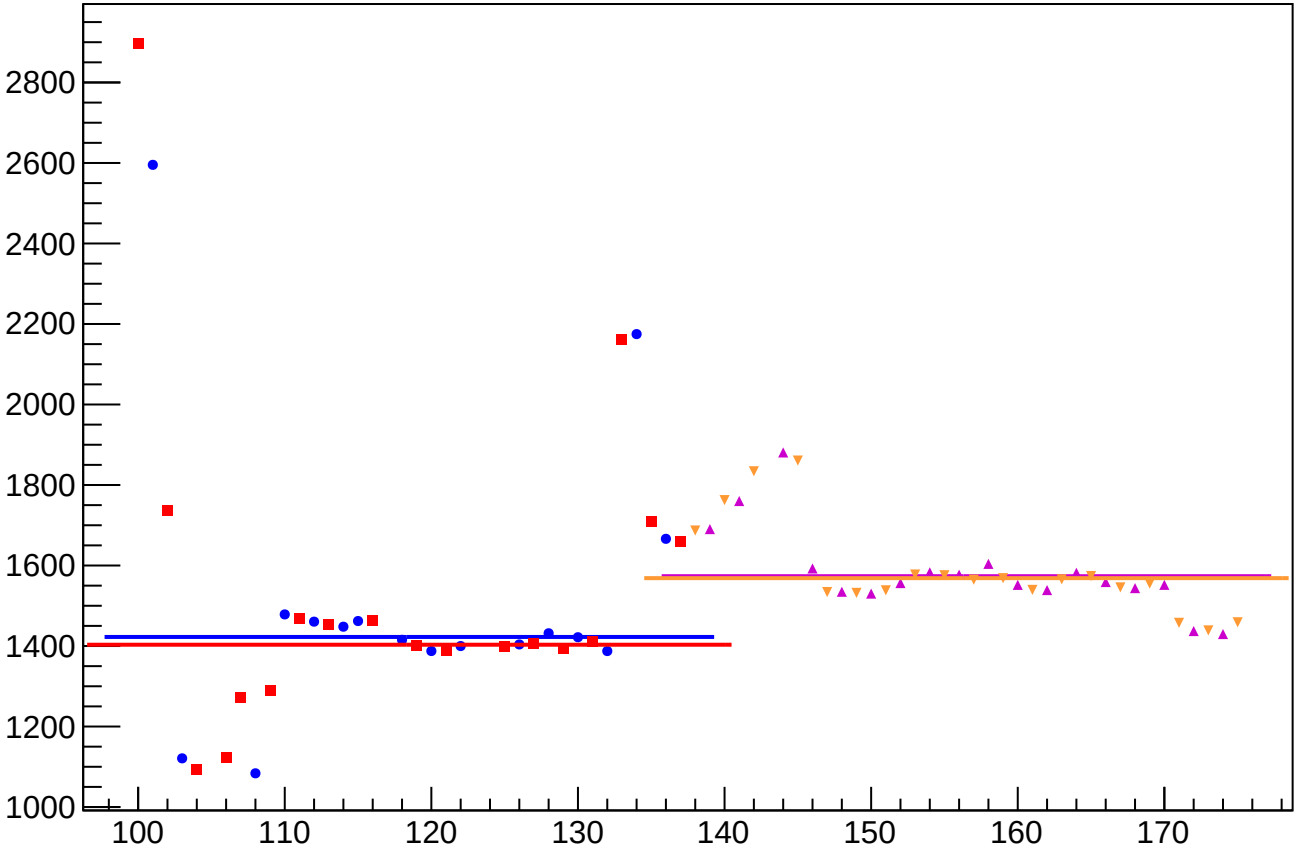
Left In: -86.911+/-408.681 χ^2/NDF:11.5/17

+ sign 206.969+/-324.066 χ^2/NDF: 44.3/34

All: 87.382+/-229.224 χ^2/NDF: 76.5/70

- sign -32.362+/-324.279 χ^2/NDF: 31.9/35

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1568.611+/-0.286 χ^2/NDF:121602.3/18

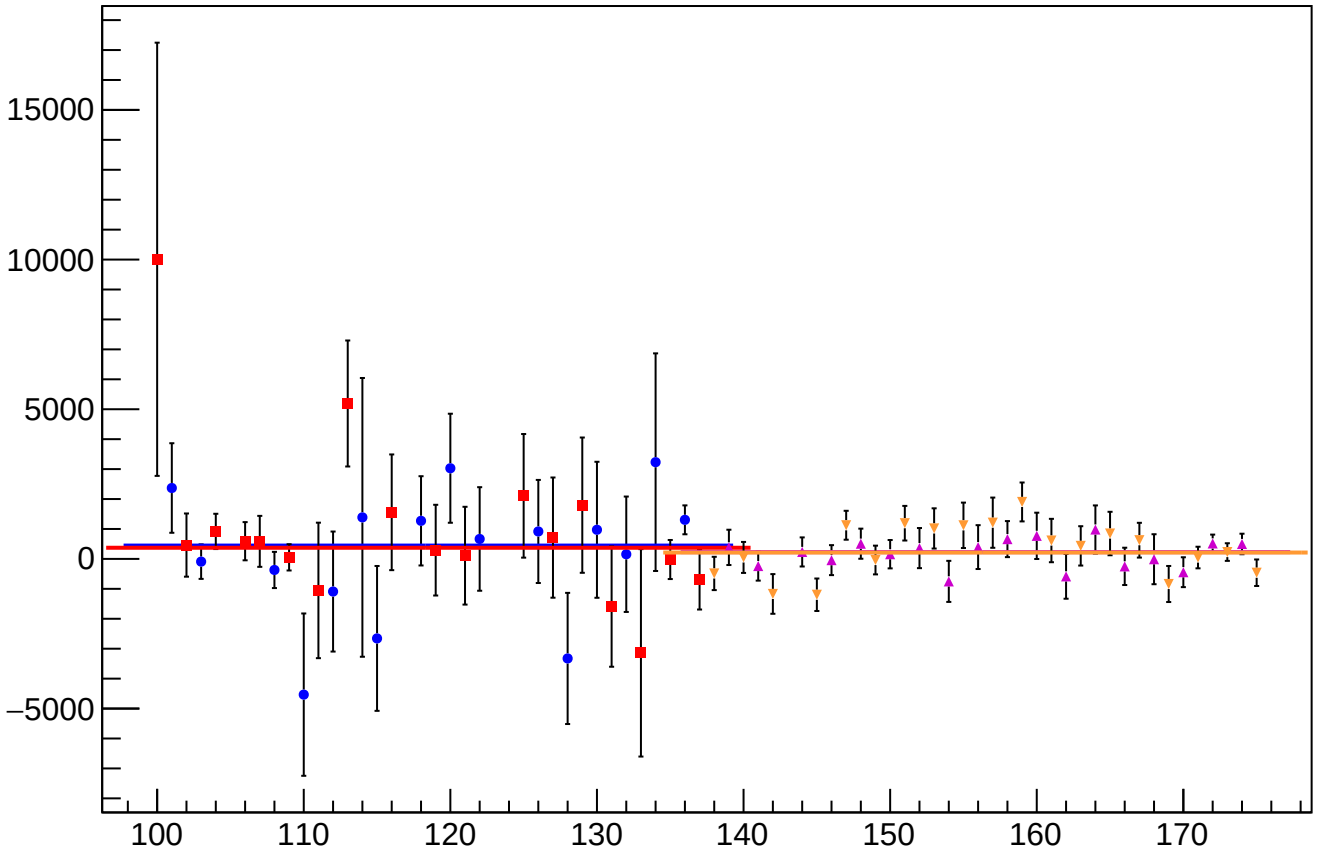
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1573.468+/-0.289 χ^2/NDF:113755.1/17

+ sign 1516.005+/-0.229 χ^2/NDF: 775524.3/34

All: 1513.209+/-0.162 χ^2/NDF: 1377247.9/70

- sign 1510.409+/-0.229 χ^2/NDF: 601425.5/35



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 212.698+/-121.139 χ^2/NDF:37.8/18

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

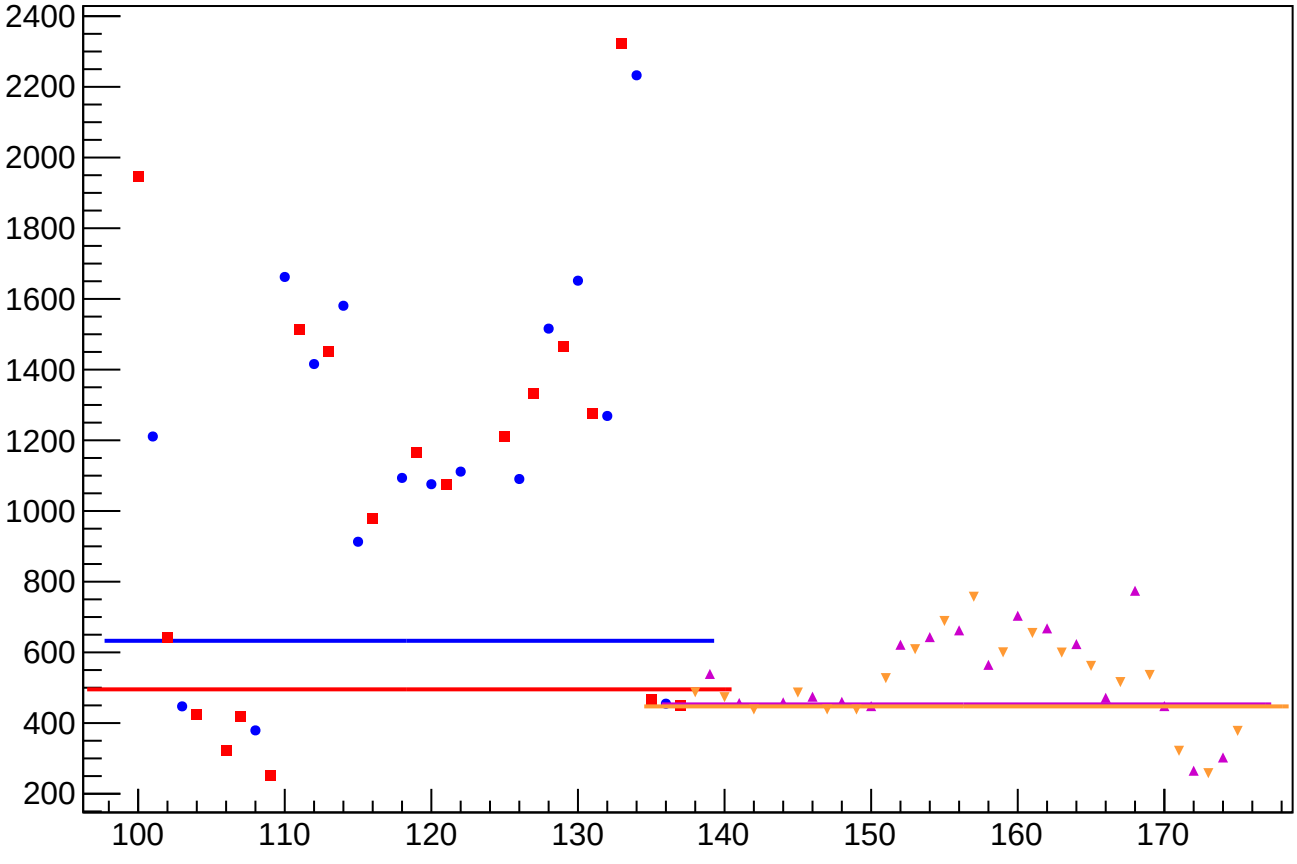
Left In: 226.518+/-123.386 χ^2/NDF:10.9/17

+ sign 250.530+/-110.843 χ^2/NDF: 57.6/34

All: 254.767+/-77.671 χ^2/NDF: 82.8/70

- sign 258.854+/-108.871 χ^2/NDF: 25.2/35

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 447.170+/-0.086 χ^2/NDF:2276637.5/18

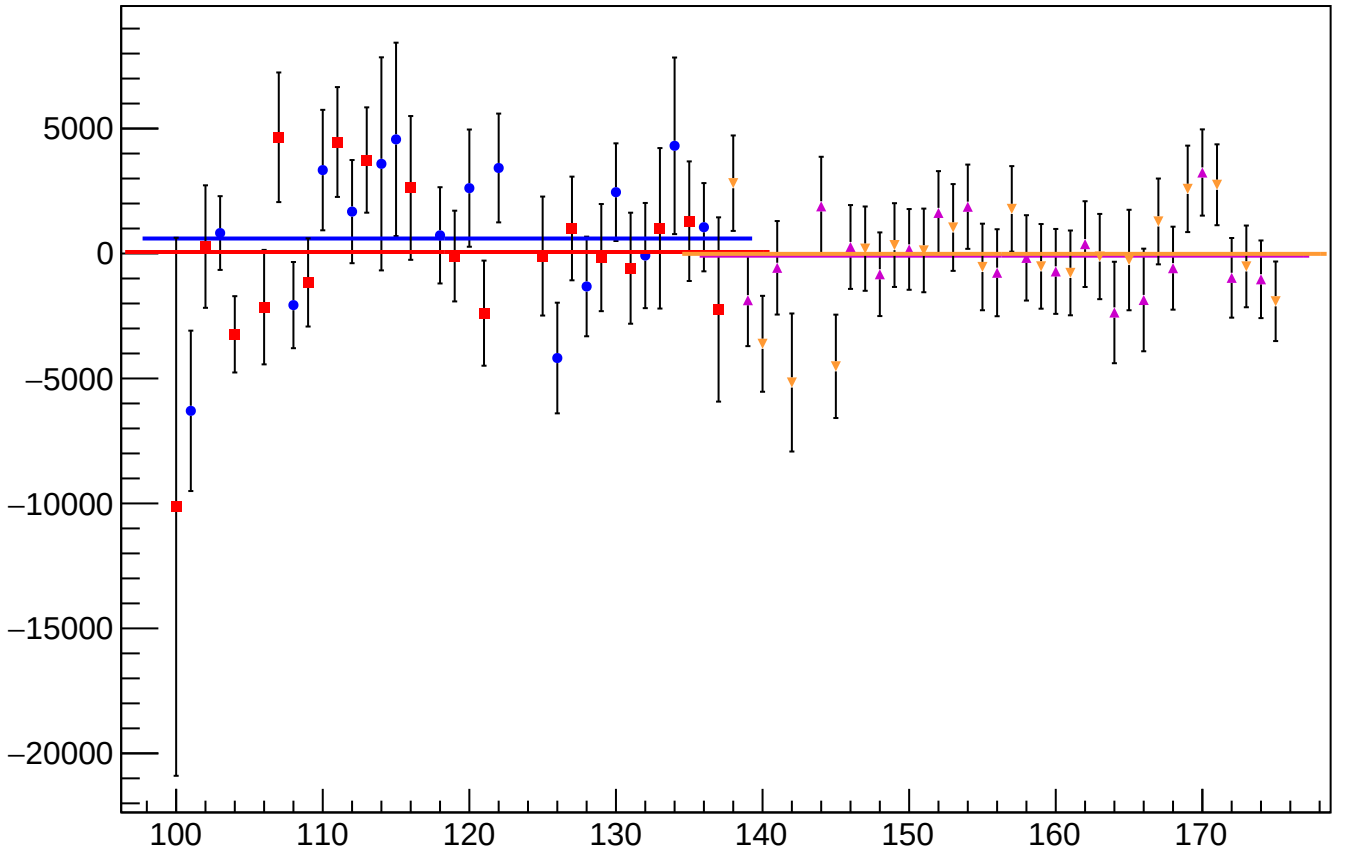
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 452.804+/-0.087 χ^2/NDF:2515767.8/17

+ sign 477.377+/-0.078 χ^2/NDF: 6808408.8/34

All: 469.669+/-0.055 χ^2/NDF: 13733399.6/70

- sign 462.233+/-0.077 χ^2/NDF: 6905986.9/35



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -14.195+/-405.107 χ^2/NDF:23.1/18

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

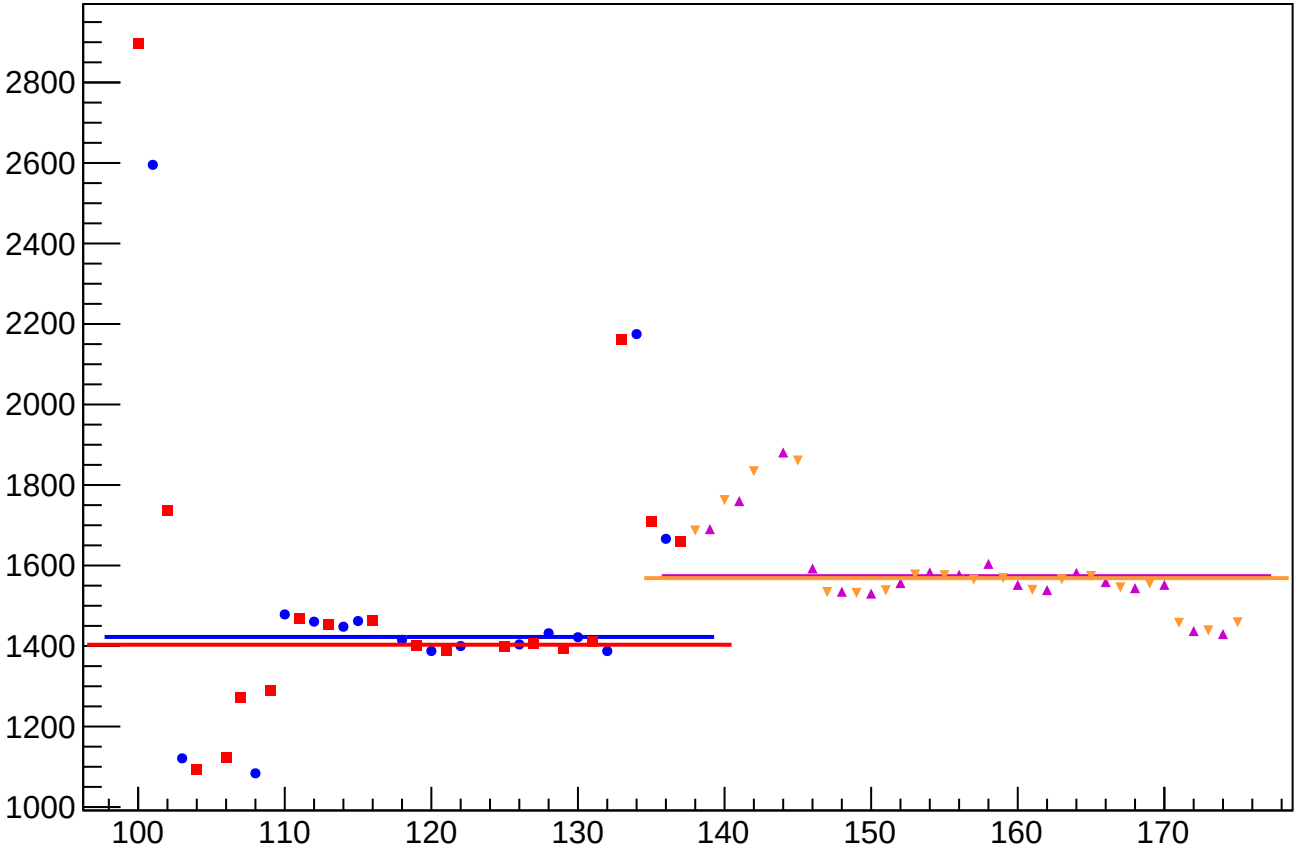
Left In: -86.911+/-408.681 χ^2/NDF:11.5/17

+ sign 206.969+/-324.066 χ^2/NDF: 44.3/34

All: 87.382+/-229.224 χ^2/NDF: 76.5/70

- sign -32.362+/-324.279 χ^2/NDF: 31.9/35

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1568.611+/-0.286 χ^2/NDF:121602.3/18

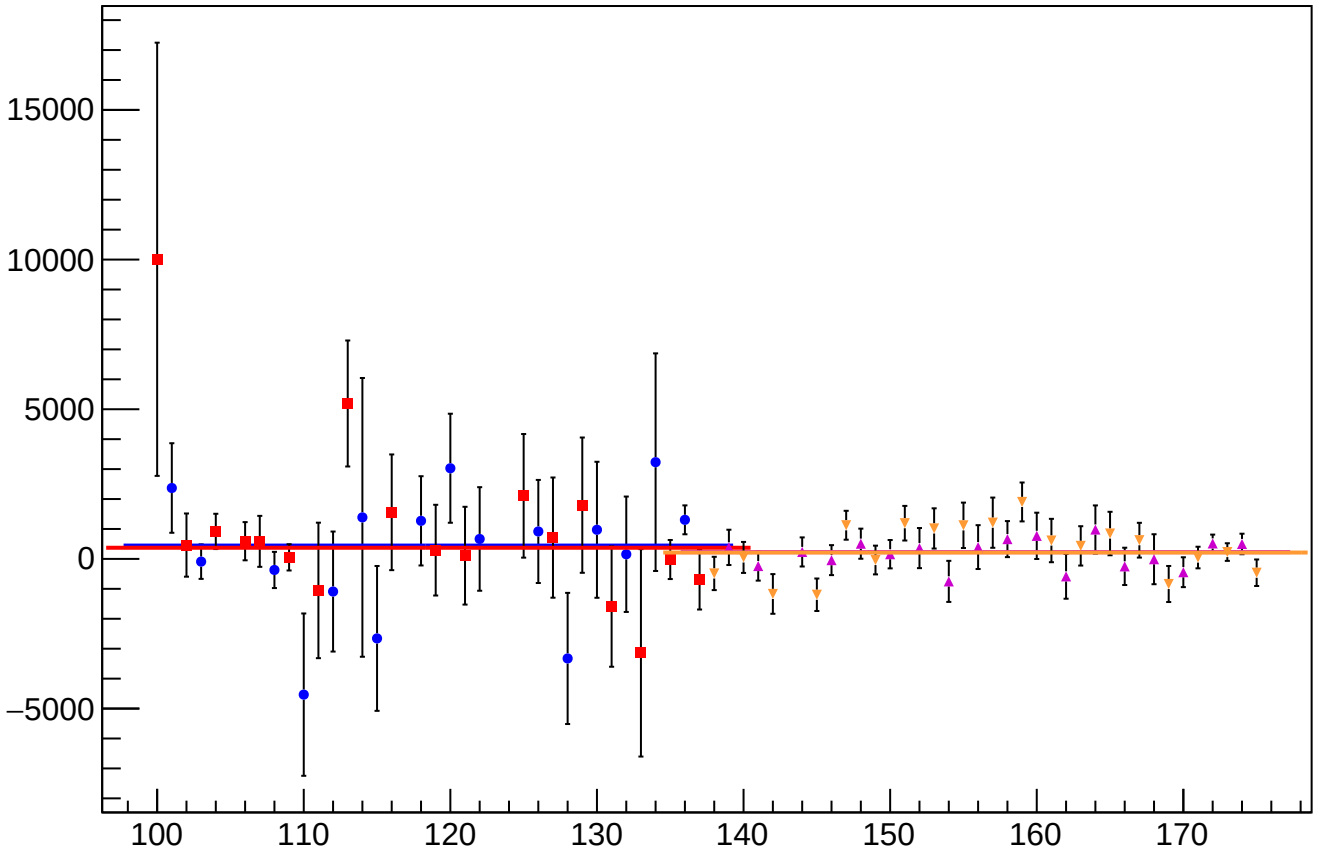
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1573.468+/-0.289 χ^2/NDF:113755.1/17

+ sign 1516.005+/-0.229 χ^2/NDF: 775524.3/34

All: 1513.209+/-0.162 χ^2/NDF: 1377247.9/70

- sign 1510.409+/-0.229 χ^2/NDF: 601425.5/35



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 212.698+/-121.139 χ^2/NDF:37.8/18

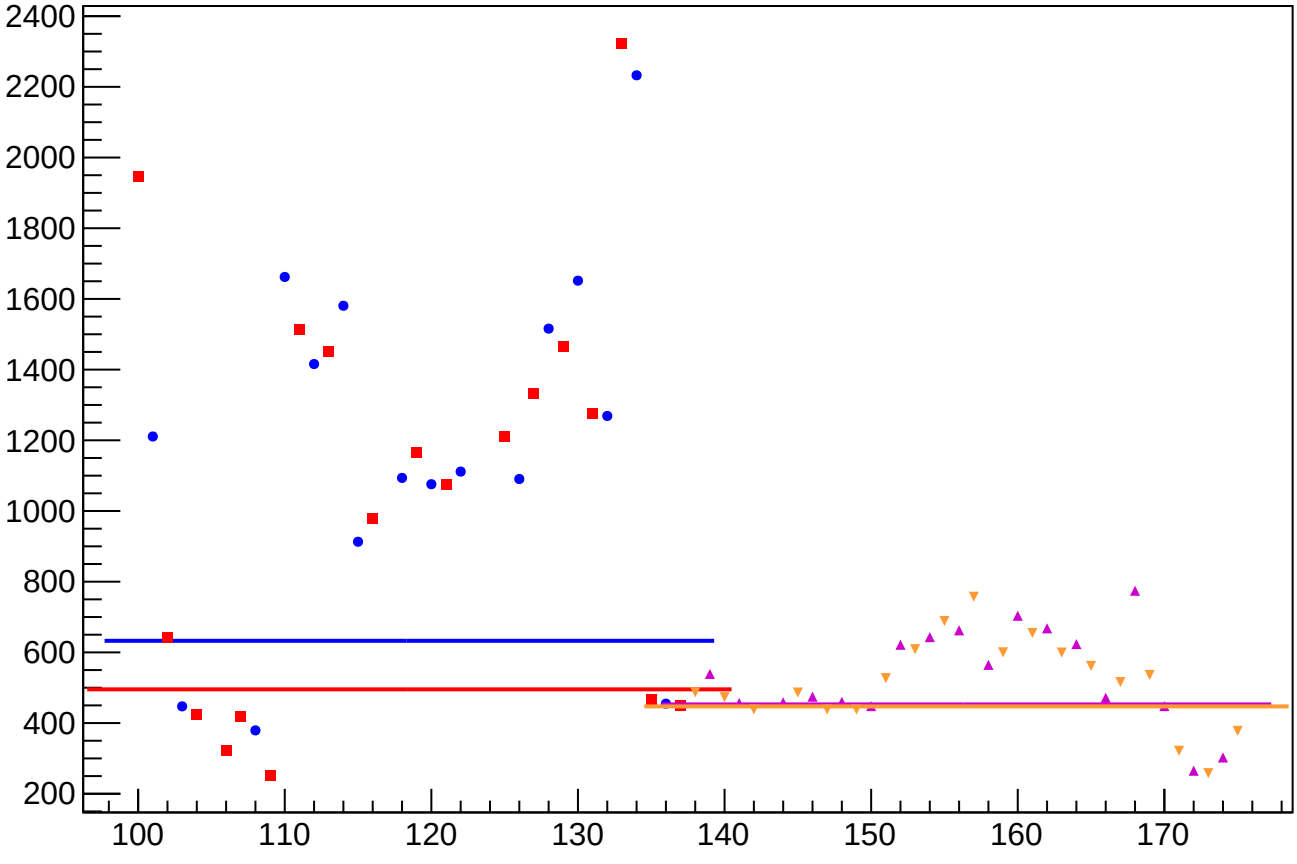
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 226.518+/-123.386 χ^2/NDF:10.9/17

\+ sign 250.530+/-110.843 χ^2/NDF: 57.6/34

All: 254.767+/-77.671 χ^2/NDF: 82.8/70

\- sign 258.854+/-108.871 χ^2/NDF: 25.2/35



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 447.170+/-0.086 χ^2/NDF:2276637.5/18

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

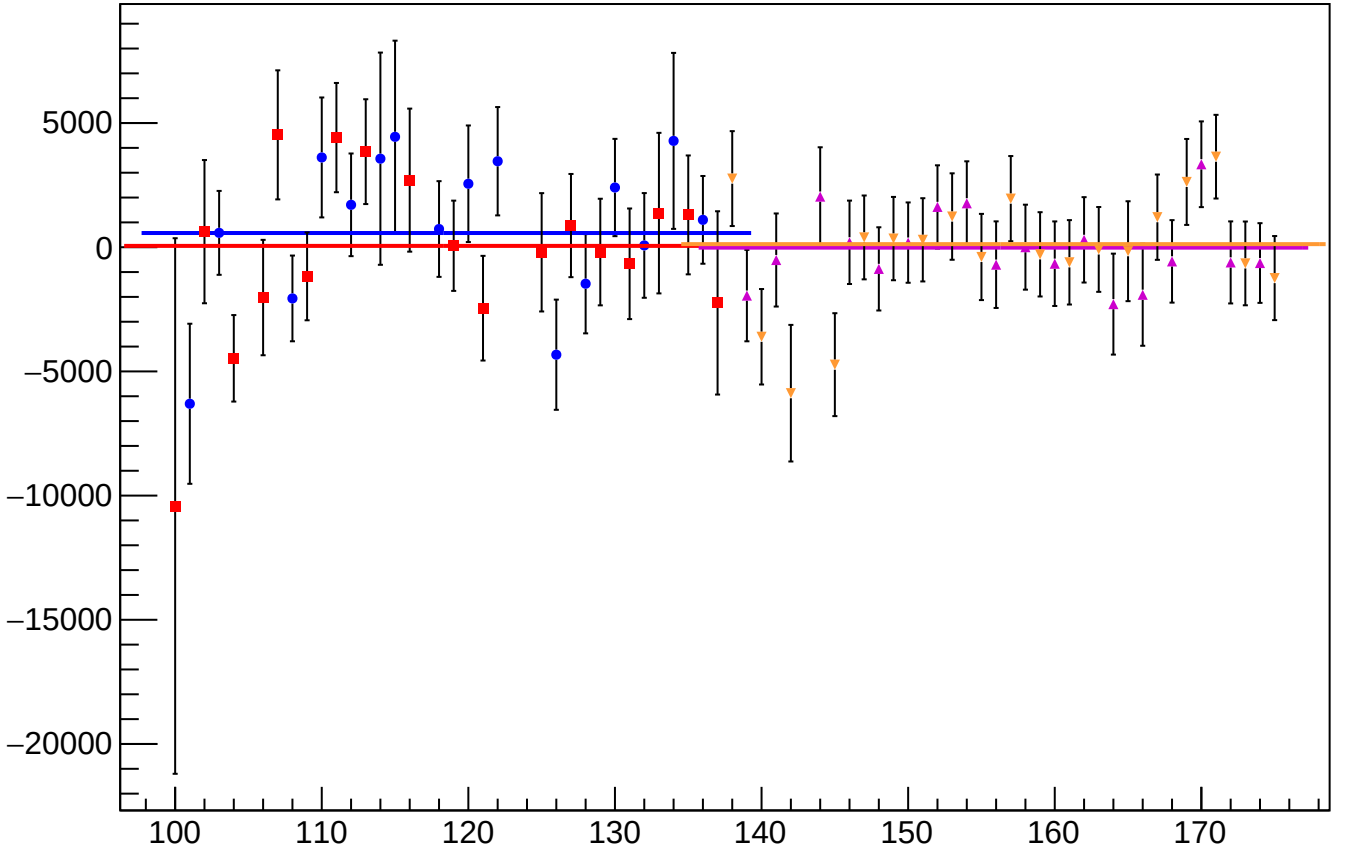
Left In: 452.804+/-0.087 χ^2/NDF:2515767.8/17

+ sign 477.377+/-0.078 χ^2/NDF: 6808408.8/34

All: 469.669+/-0.055 χ^2/NDF: 13733399.6/70

- sign 462.233+/-0.077 χ^2/NDF: 6905986.9/35

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 124.388+/-408.765 χ^2/NDF:25.6/18

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

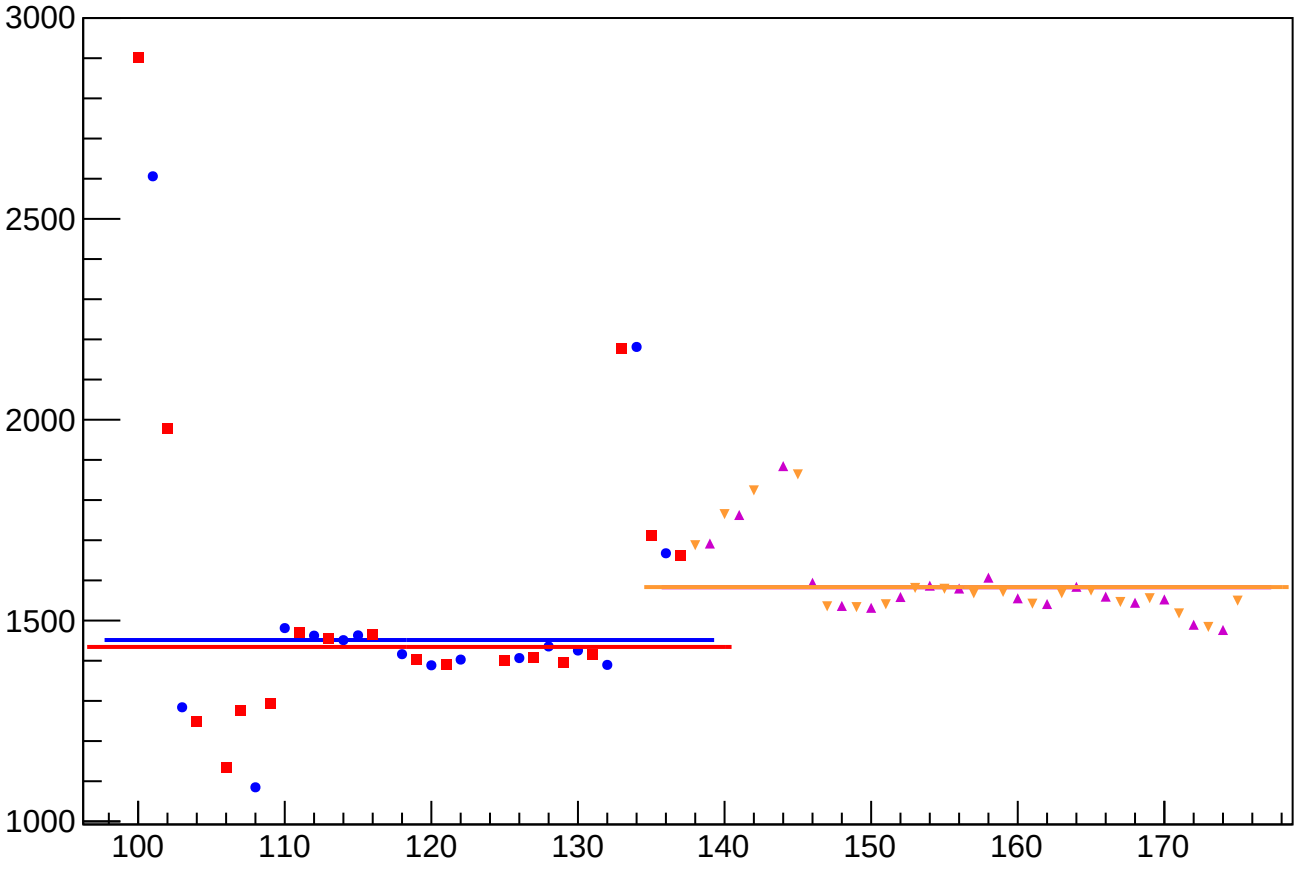
Left In: -16.662+/-410.982 χ^2/NDF:11.2/17

+ sign 283.895+/-328.001 χ^2/NDF: 46.8/34

All: 146.460+/-232.008 χ^2/NDF: 80.9/70

- sign 8.844+/-328.217 χ^2/NDF: 33.7/35

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1583.356+/-0.289 χ^2/NDF:94370.2/18

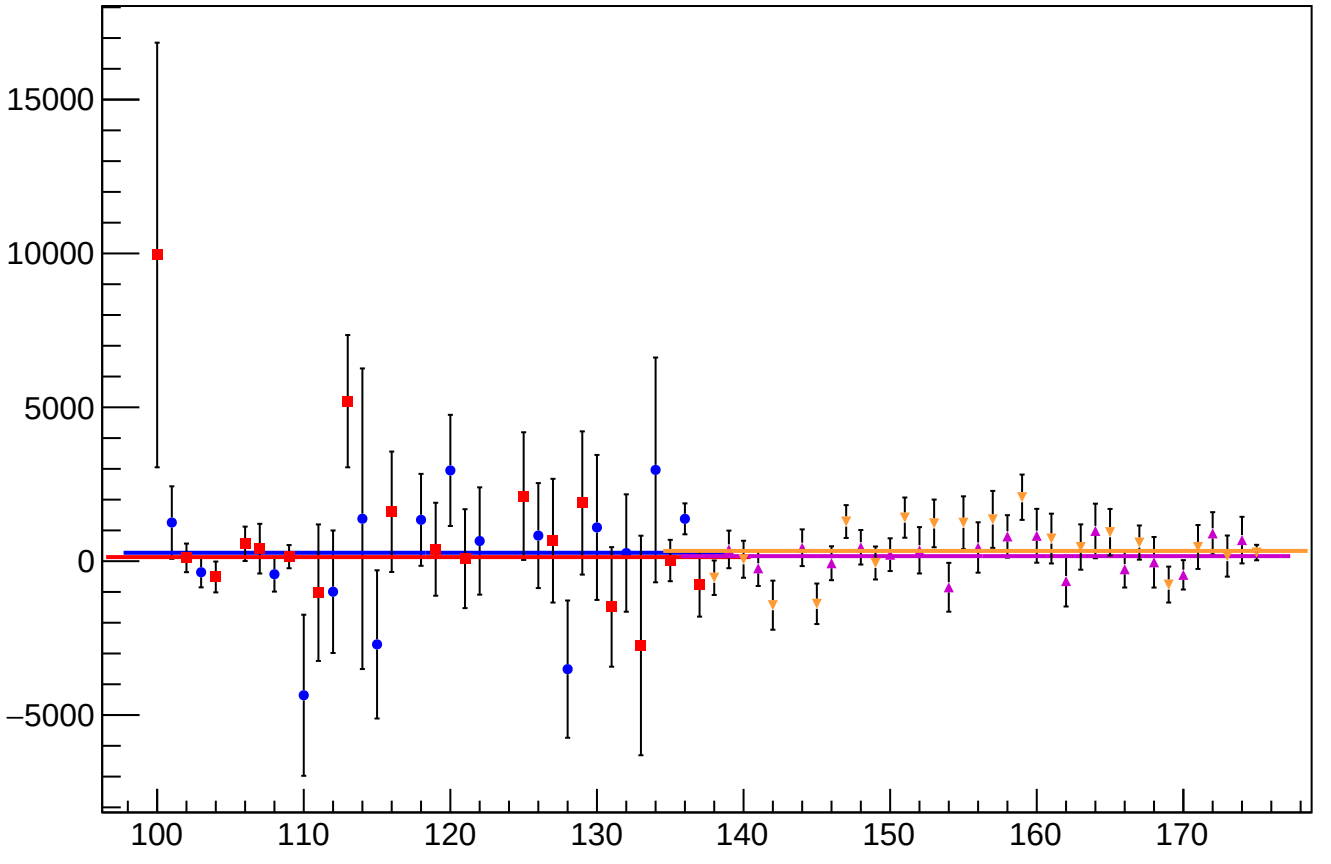
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1582.806+/-0.291 χ^2/NDF:94834.0/17

+ sign 1536.427+/-0.232 χ^2/NDF: 656228.7/34

All: 1532.727+/-0.164 χ^2/NDF: 1174724.2/70

- sign 1529.022+/-0.232 χ^2/NDF: 517986.2/35



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 333.574+/-132.938 χ^2/NDF:34.9/18

Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

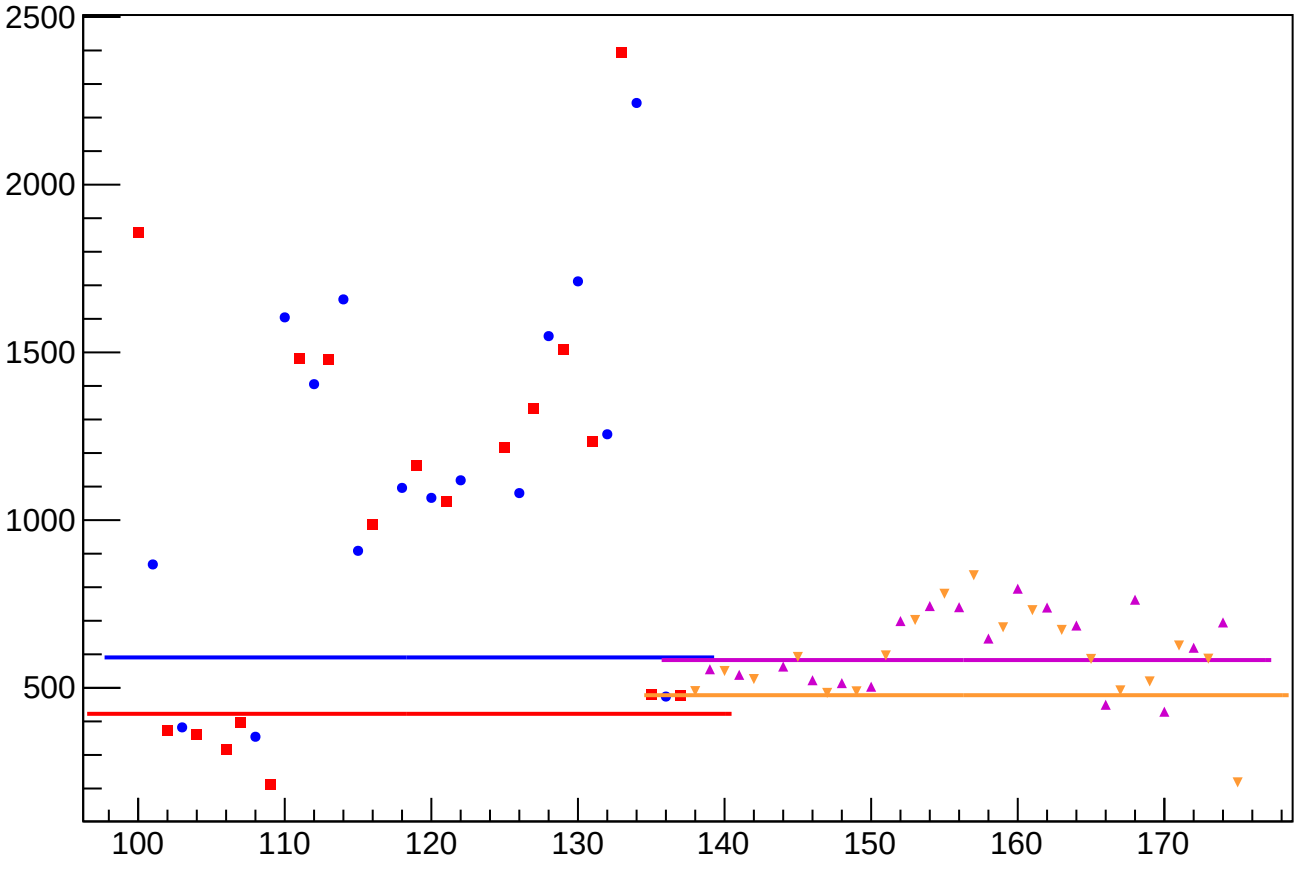
Left In: 163.968+/-154.215 χ^2/NDF:10.1/17

+ sign 321.152+/-118.414 χ^2/NDF: 55.2/34

All: 238.509+/-84.693 χ^2/NDF: 80.7/70

- sign 151.959+/-121.182 χ^2/NDF: 24.6/35

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 478.154+/-0.094 χ^2/NDF:3700516.3/18

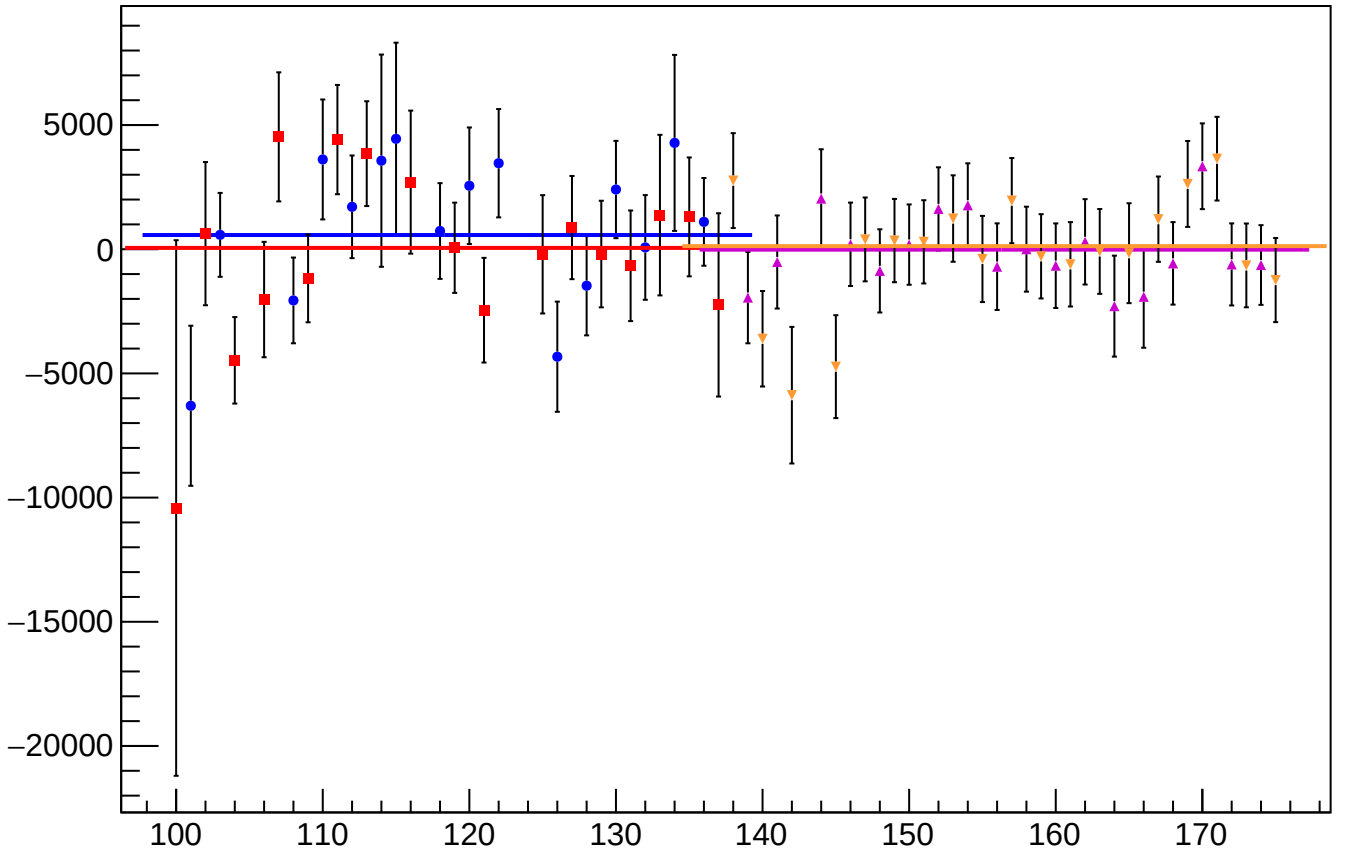
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 582.889+/-0.109 χ^2/NDF:1008242.1/17

+ sign 501.413+/-0.084 χ^2/NDF: 7882390.7/34

All: 511.266+/-0.060 χ^2/NDF: 14603206.8/70

- sign 521.586+/-0.086 χ^2/NDF: 6692463.2/35



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: 124.384+/-408.764 χ^2/NDF:25.6/18

Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

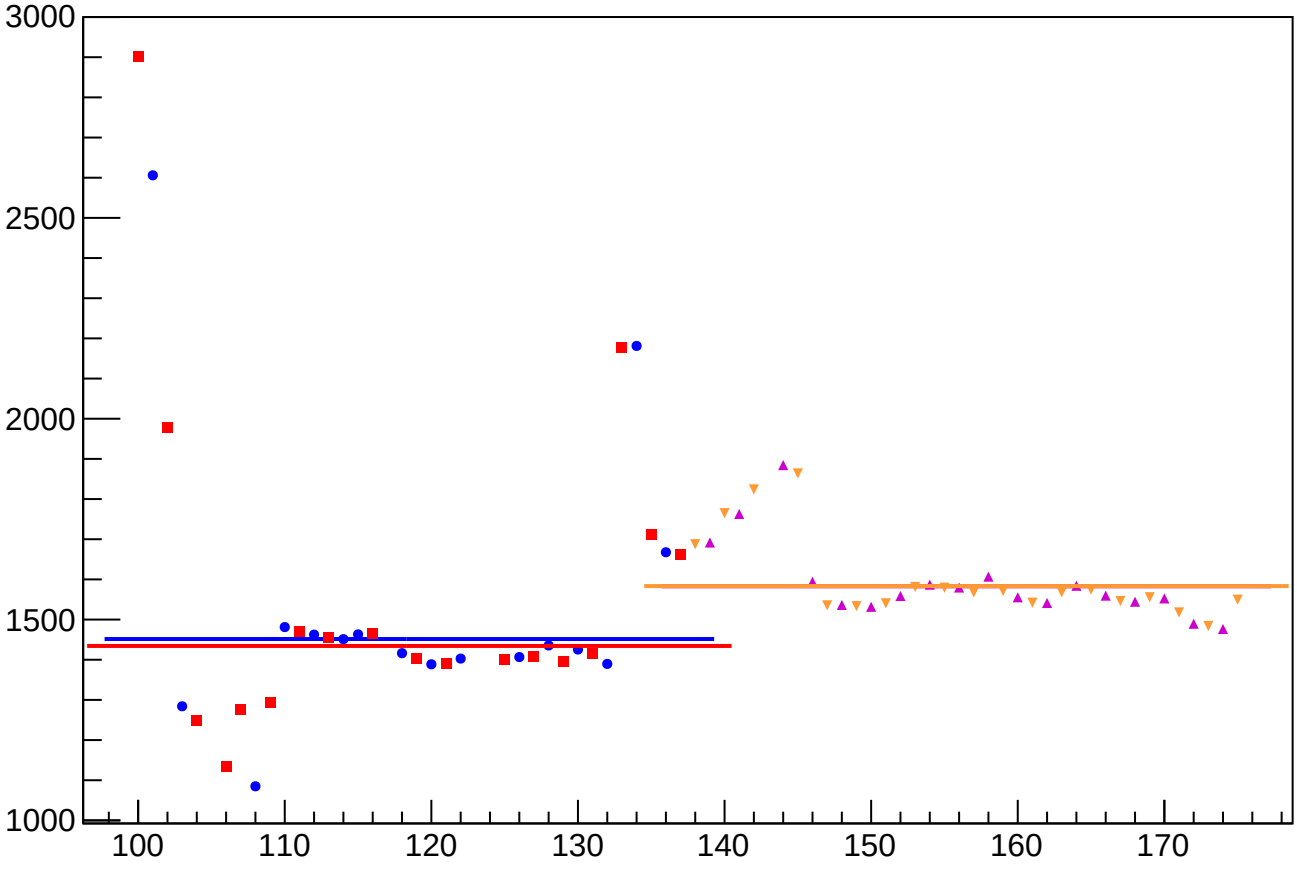
Left In: -16.664+/-410.982 χ^2/NDF:11.2/17

\+ sign 283.892+/-328.001 χ^2/NDF: 46.8/34

All: 146.457+/-232.008 χ^2/NDF: 80.9/70

\- sign 8.842+/-328.216 χ^2/NDF: 33.7/35

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: 1583.356+/-0.289 χ^2/NDF:94371.0/18

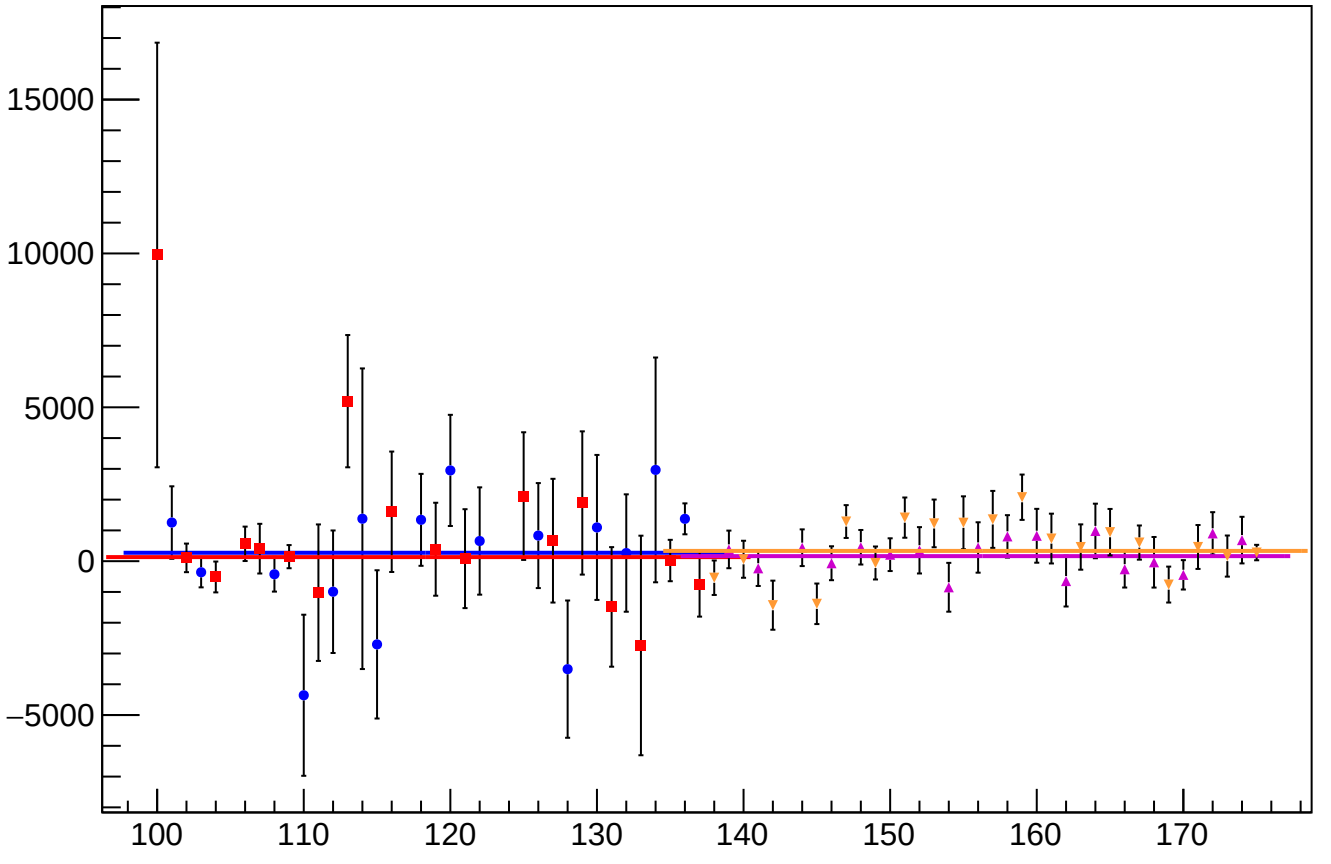
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1582.806+/-0.291 χ^2/NDF:94834.8/17

+ sign 1536.427+/-0.232 χ^2/NDF: 656228.6/34

All: 1532.727+/-0.164 χ^2/NDF: 1174724.7/70

- sign 1529.022+/-0.232 χ^2/NDF: 517986.8/35



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 333.581+/-132.939 χ^2/NDF:34.9/18

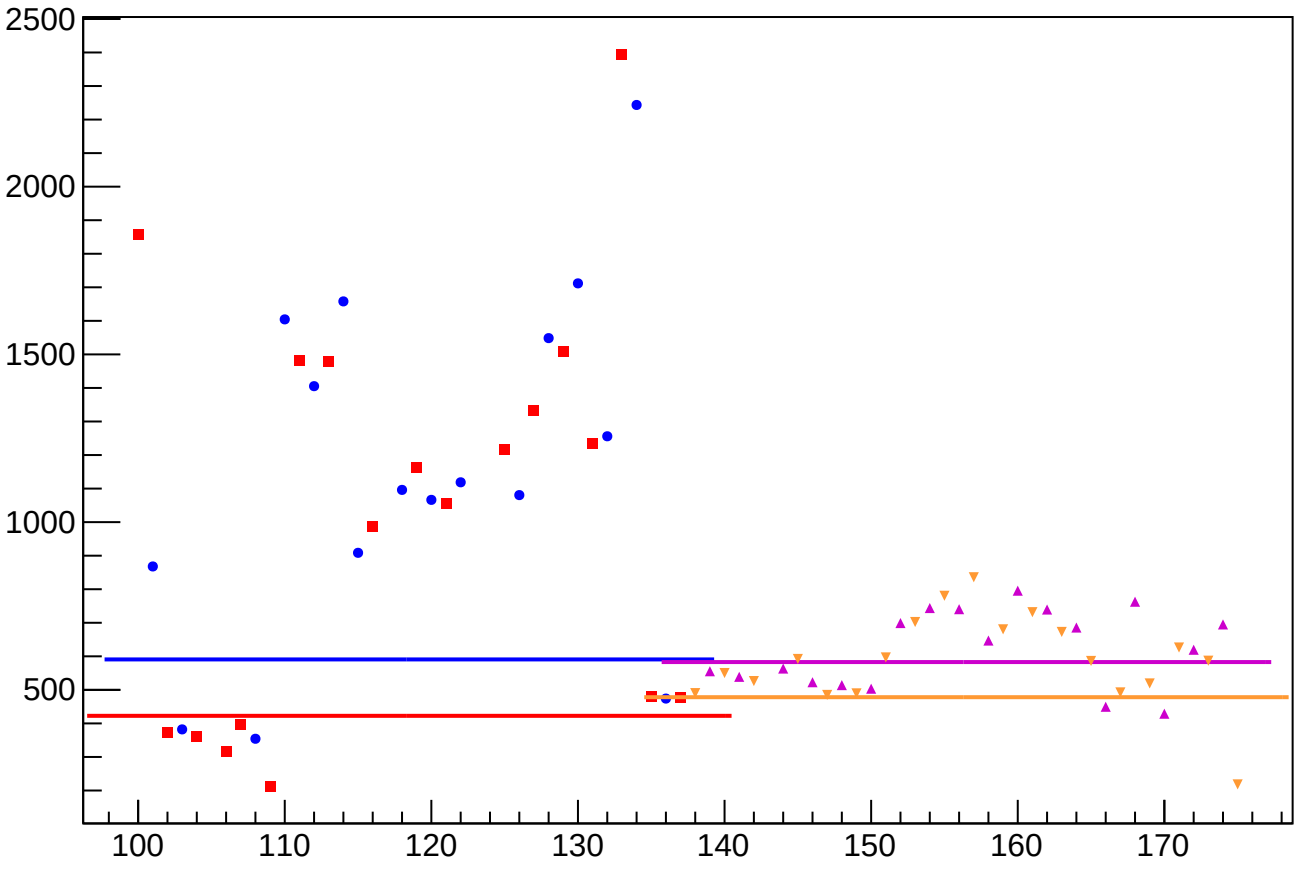
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 163.970+/-154.215 χ^2/NDF:10.1/17

\+ sign 321.155+/-118.414 χ^2/NDF: 55.2/34

All: 238.510+/-84.693 χ^2/NDF: 80.7/70

\- sign 151.958+/-121.182 χ^2/NDF: 24.6/35



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 478.157+/-0.094 χ^2/NDF:3700422.3/18

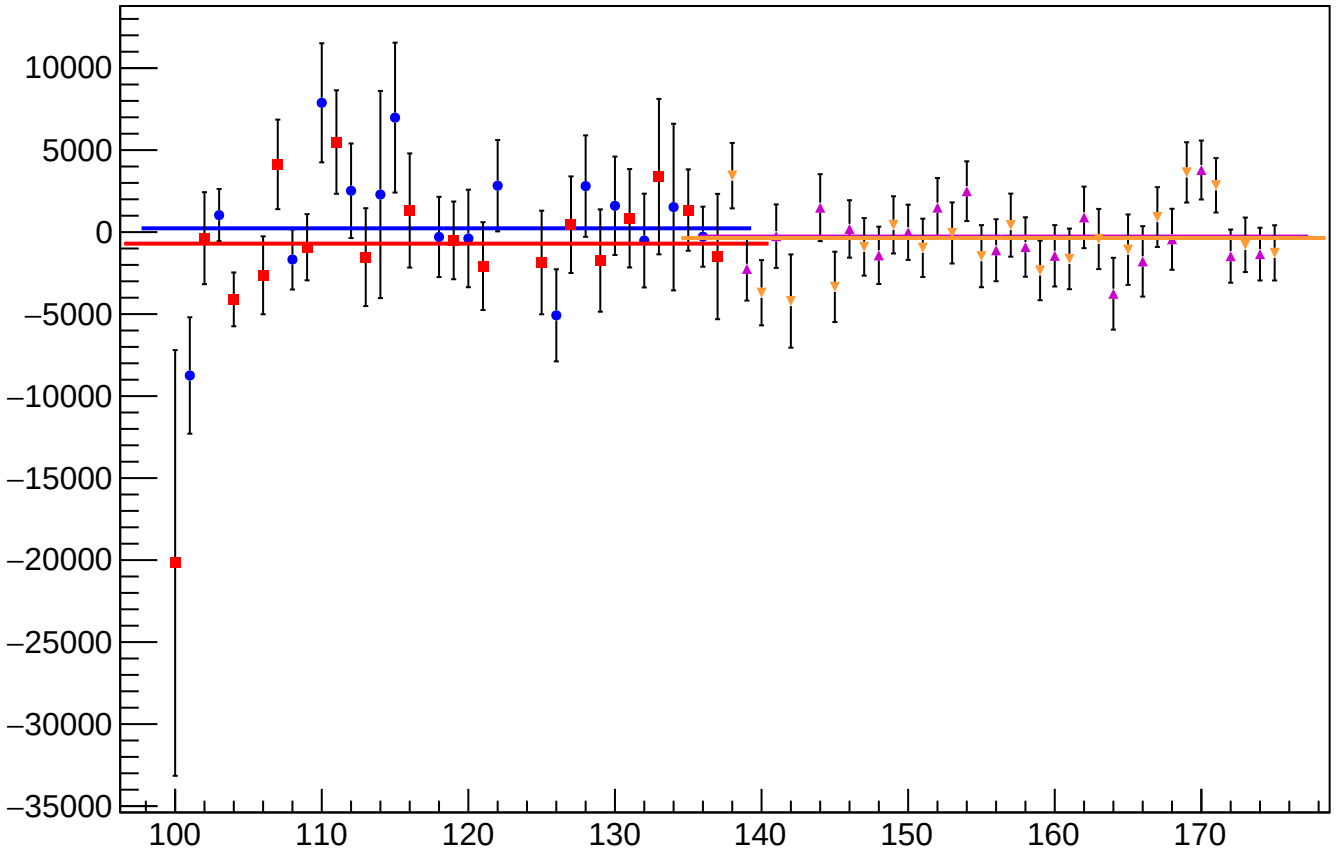
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 582.889+/-0.109 χ^2/NDF:1008246.5/17

+ sign 501.415+/-0.084 χ^2/NDF: 7882298.3/34

All: 511.269+/-0.060 χ^2/NDF: 14602973.2/70

- sign 521.589+/-0.086 χ^2/NDF: 6692321.4/35



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -360.082+/-428.937 χ^2/NDF:22.3/18

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

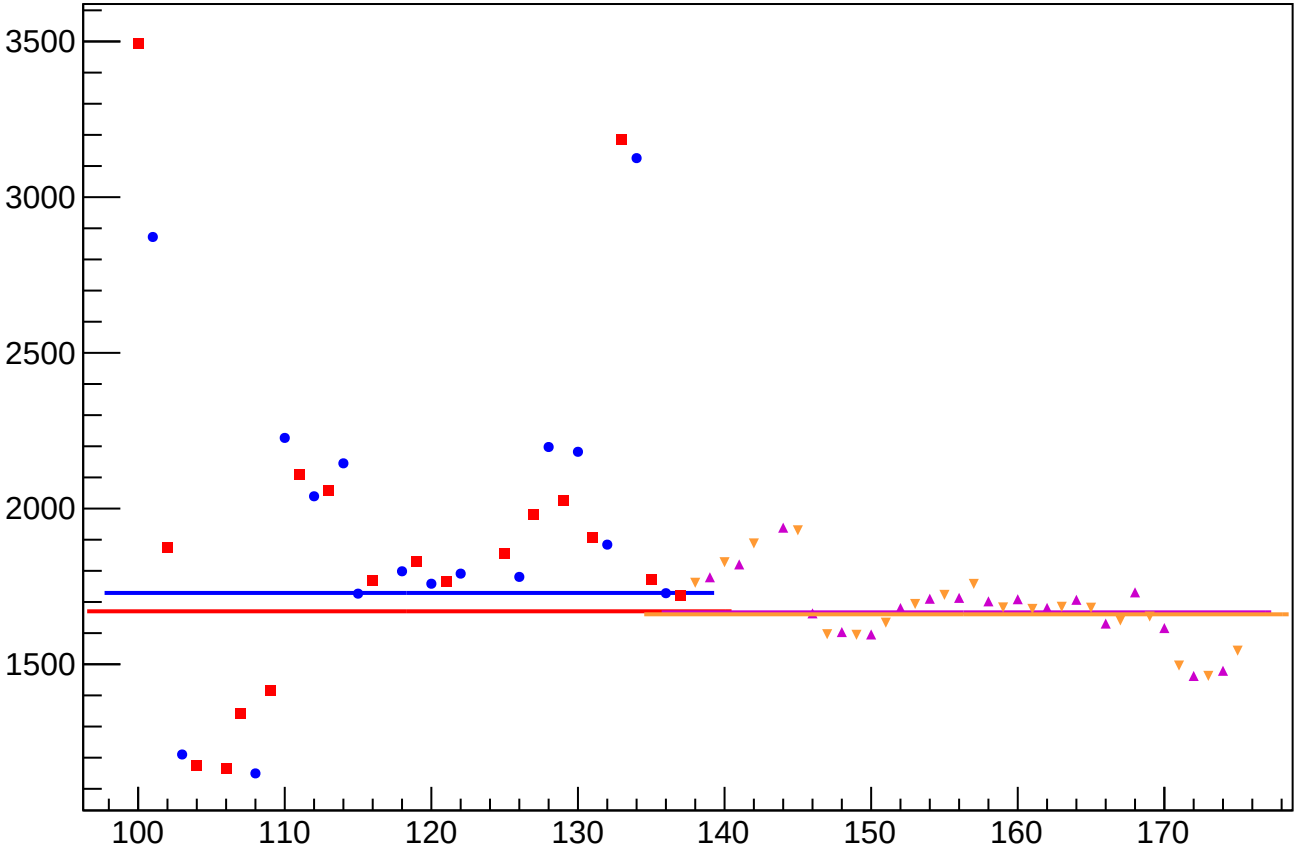
Left In: -271.284+/-433.036 χ^2/NDF:15.8/17

+ sign -186.943+/-360.655 χ^2/NDF: 43.5/34

All: -295.762+/-254.824 χ^2/NDF: 76.8/70

- sign -404.244+/-360.097 χ^2/NDF: 33.1/35

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1660.408+/-0.303 χ^2/NDF:136483.5/18

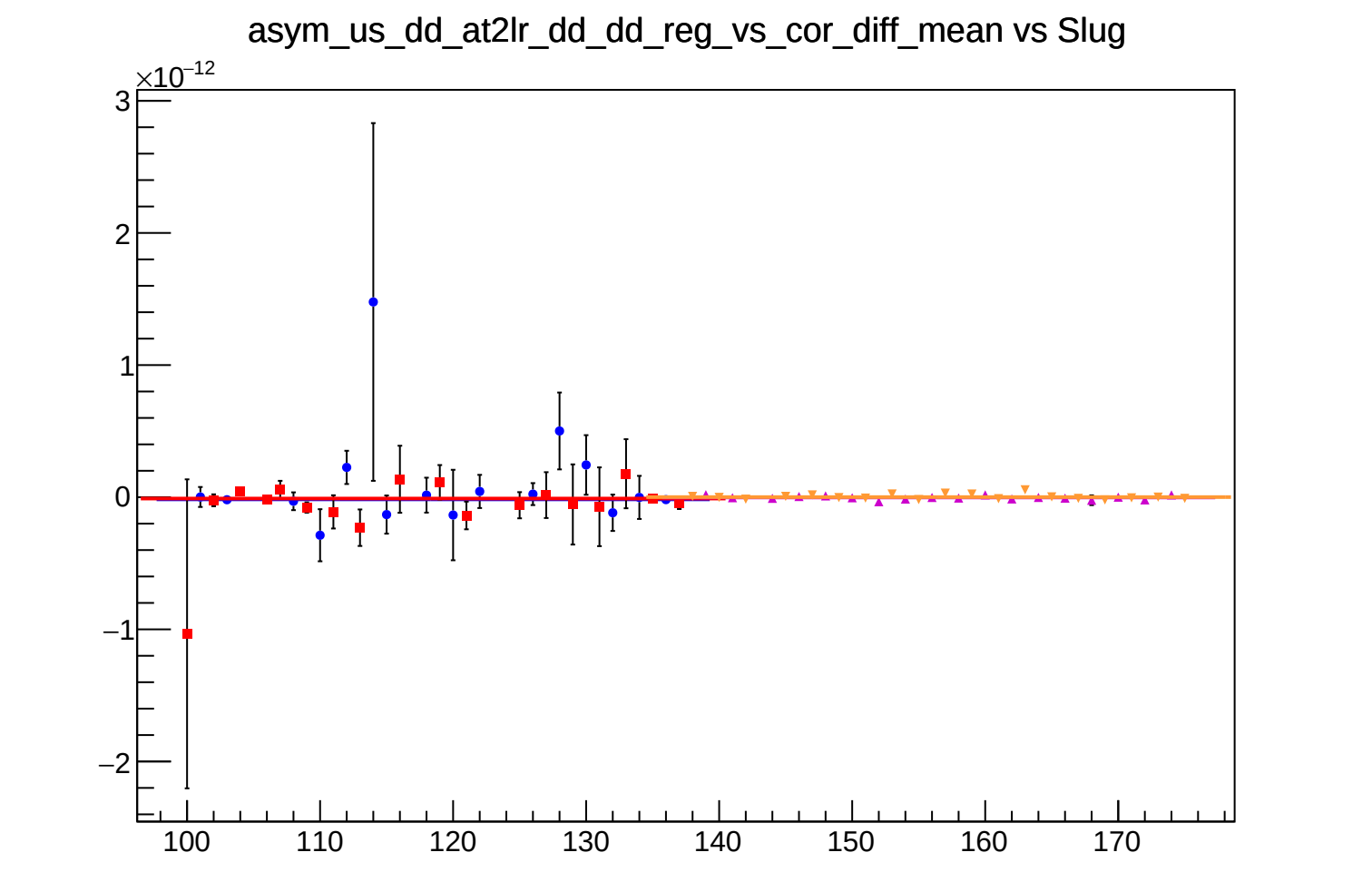
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1666.752+/-0.306 χ^2/NDF:129602.6/17

+ sign 1680.523+/-0.255 χ^2/NDF: 1093571.2/34

All: 1674.137+/-0.180 χ^2/NDF: 1968913.7/70

- sign 1667.772+/-0.255 χ^2/NDF: 874090.6/35



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.4/18

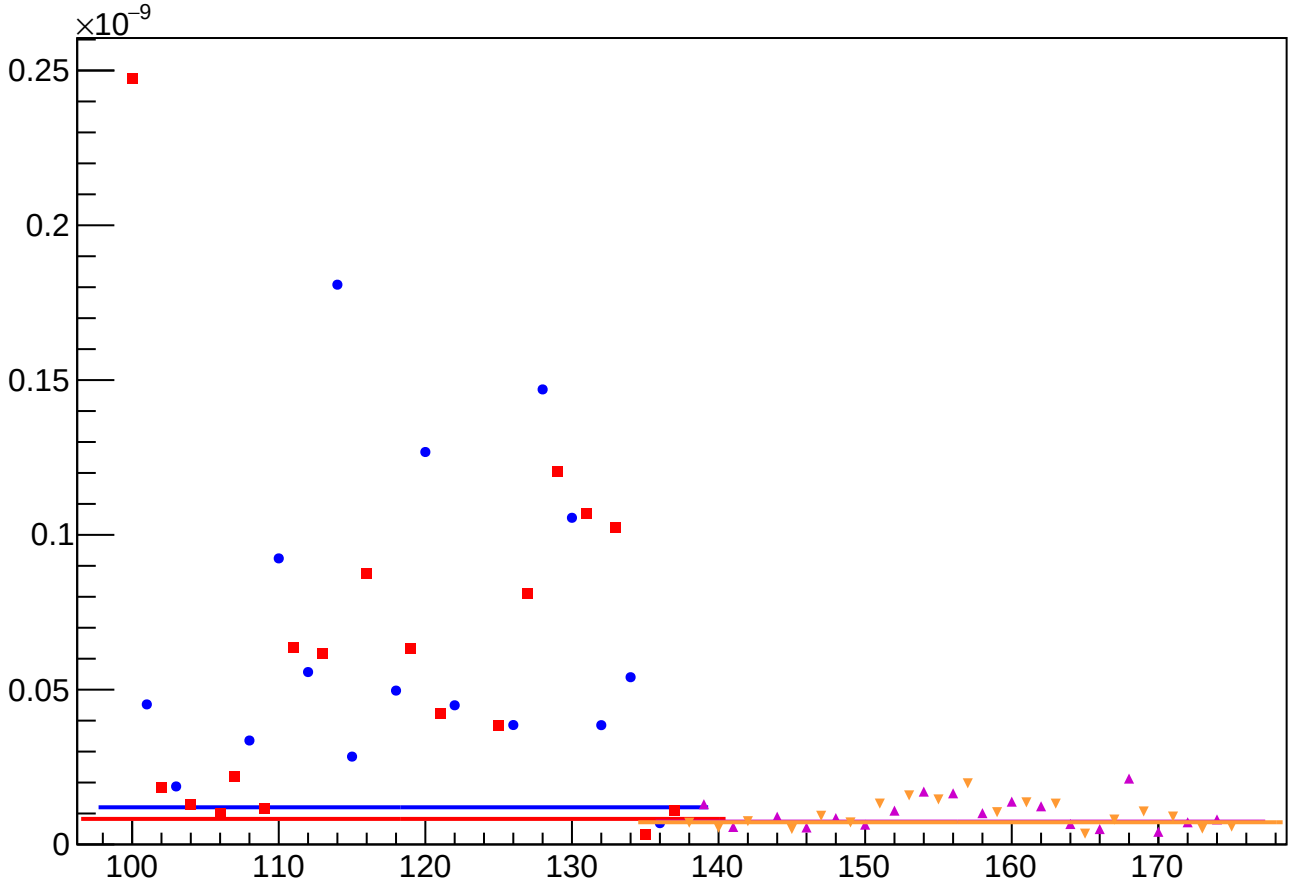
Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: -0.000+/-0.000 χ^2/NDF:11.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 32.2/34

All: -0.000+/-0.000 χ^2/NDF: 61.3/70

- sign -0.000+/-0.000 χ^2/NDF: 28.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1963825.8/18

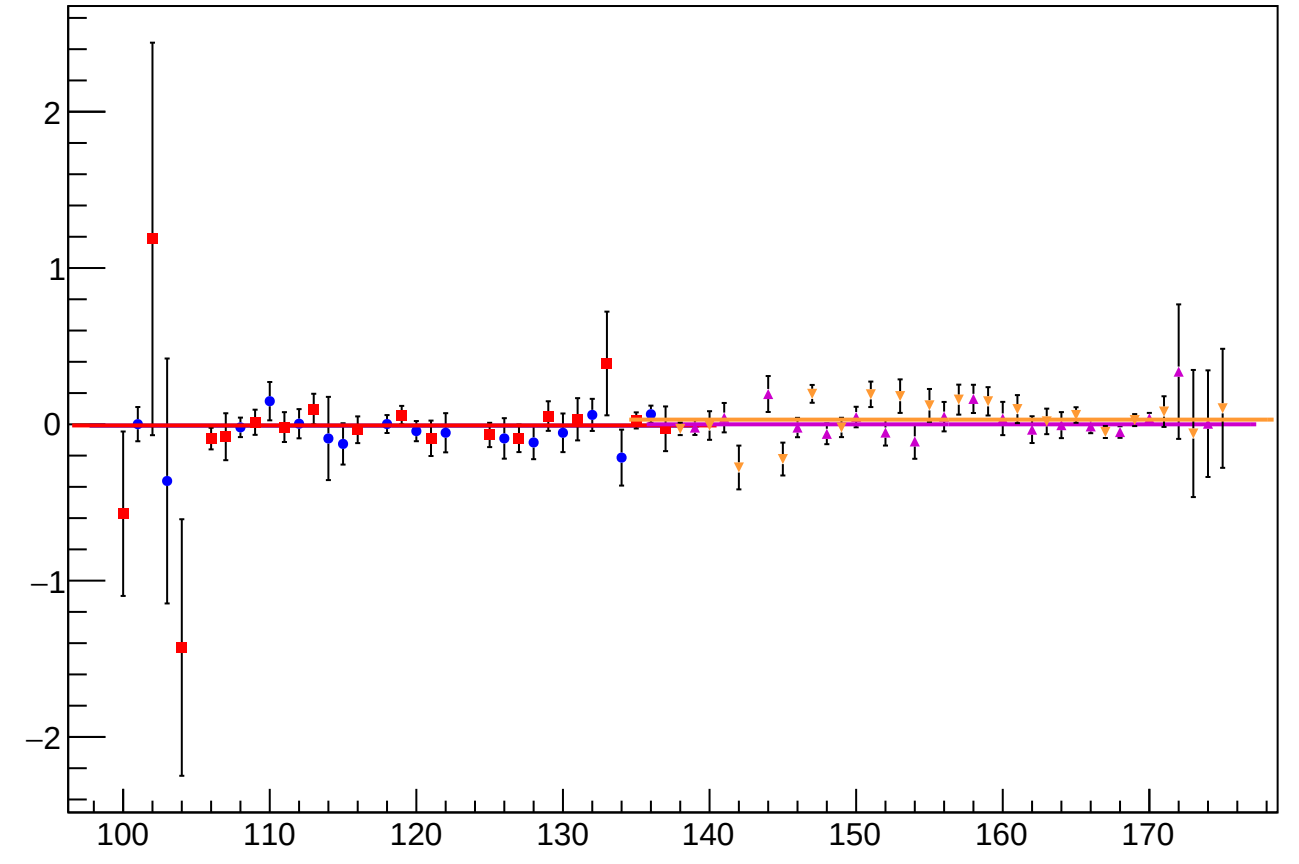
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1891527.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 5794698.0/34

All: 0.000+/-0.000 χ^2/NDF: 11215351.8/70

- sign 0.000+/-0.000 χ^2/NDF: 5419384.8/35



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:37.5/18

Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

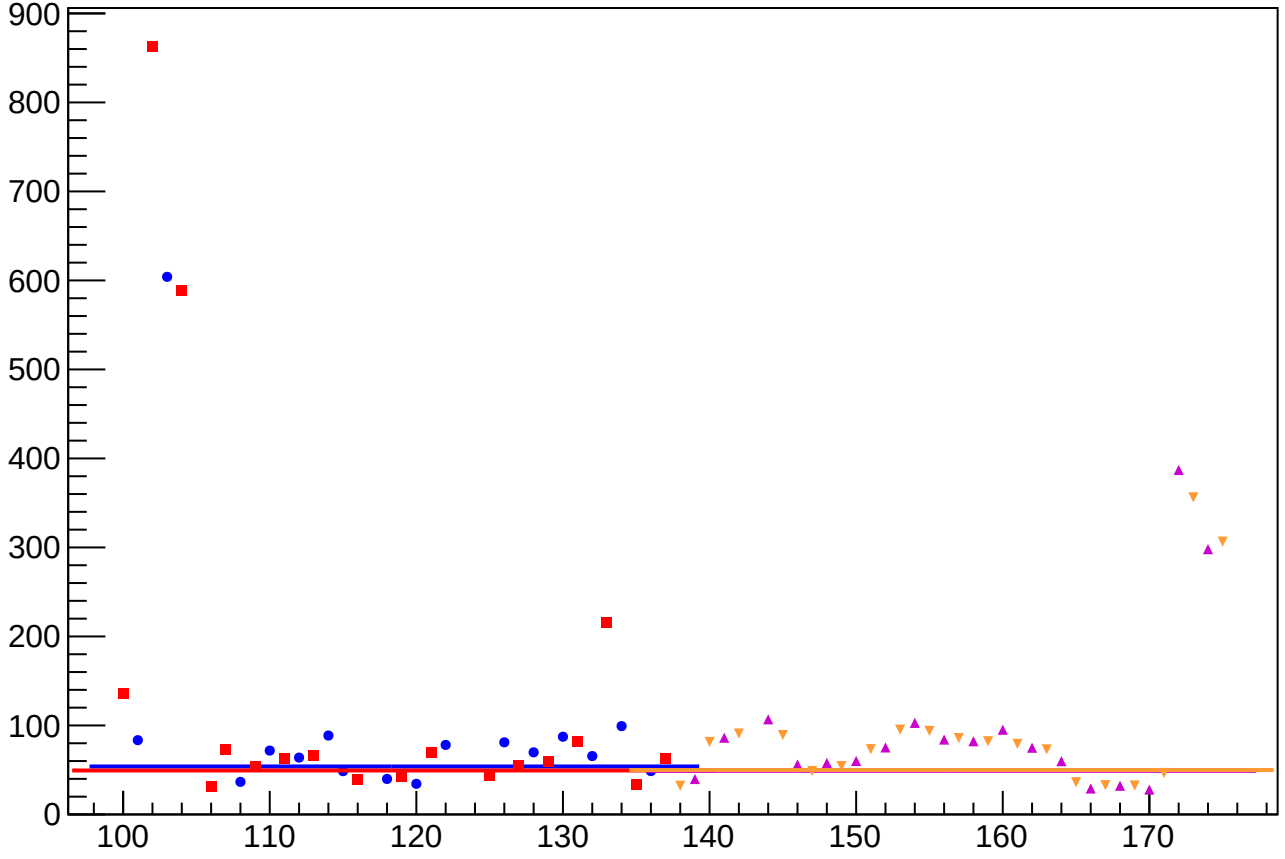
Left In: 0.000+/-0.015 χ^2/NDF:13.6/17

+ sign 0.018+/-0.013 χ^2/NDF: 47.7/34

All: 0.008+/-0.009 χ^2/NDF: 76.3/70

- sign -0.002+/-0.013 χ^2/NDF: 27.3/35

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 49.918+/-0.011 χ^2/NDF:5878777.6/18

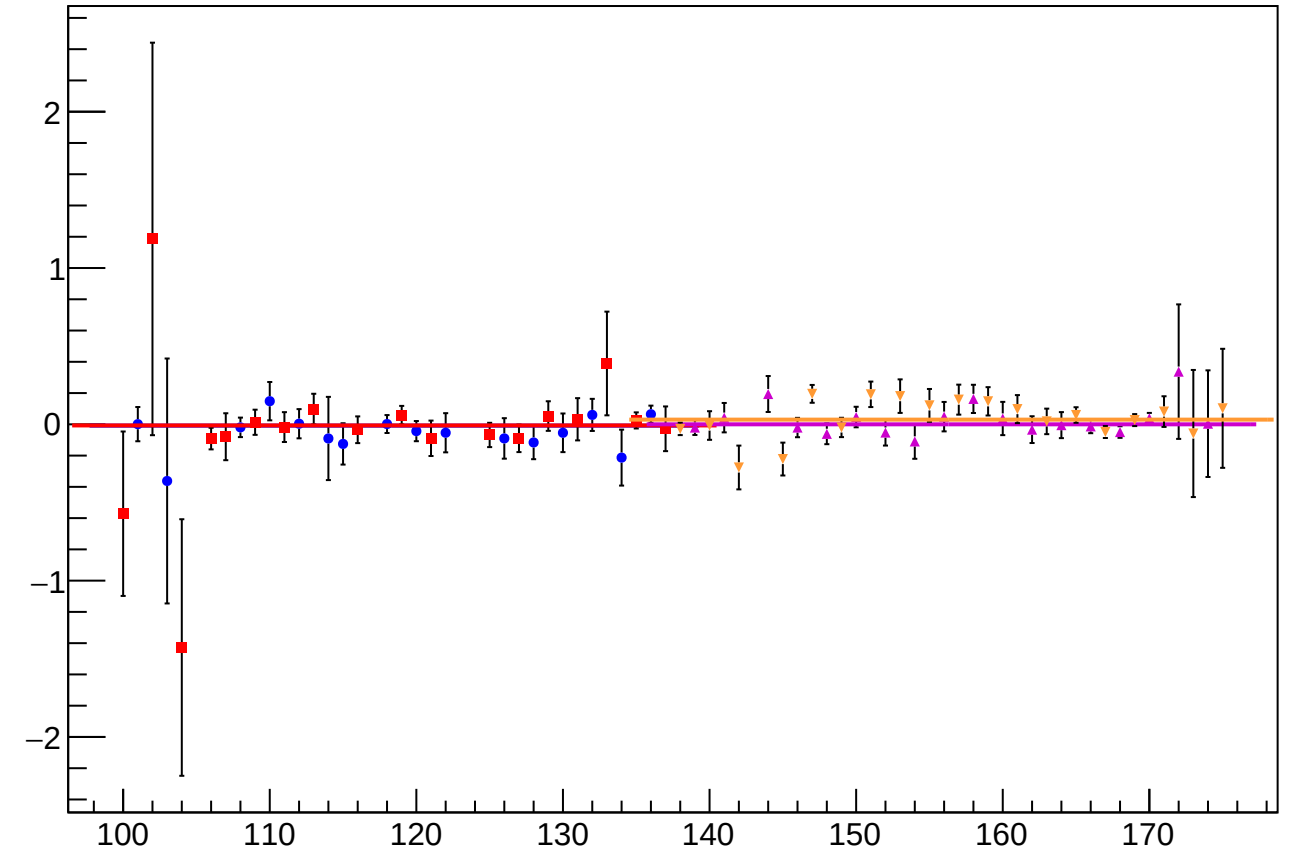
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.032+/-0.011 χ^2/NDF:6694441.3/17

+ sign 51.160+/-0.009 χ^2/NDF: 8134647.1/34

All: 50.137+/-0.006 χ^2/NDF: 17871998.8/70

- sign 49.157+/-0.009 χ^2/NDF: 9712573.0/35



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:37.5/18

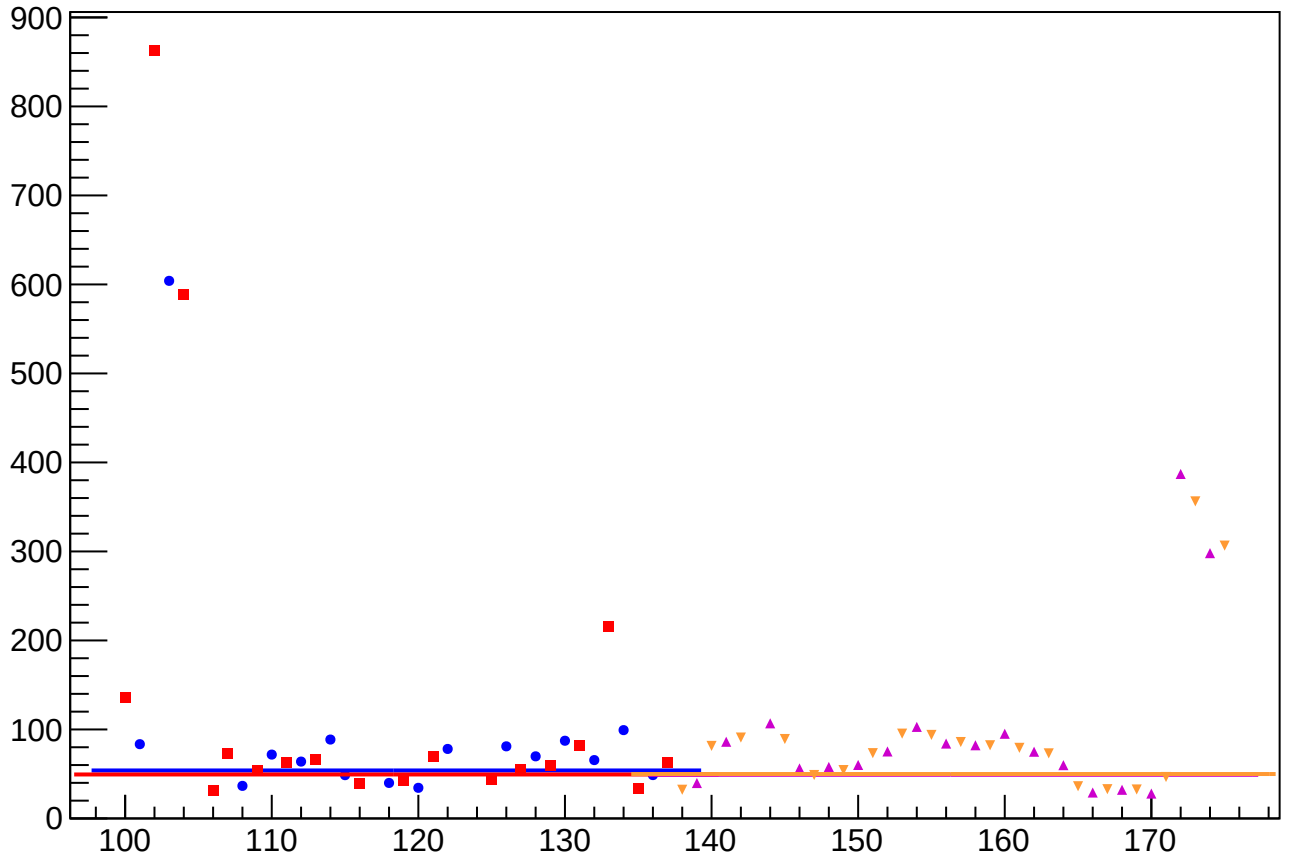
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.6/17

+ sign 0.018+/-0.013 χ^2/NDF: 47.7/34

All: 0.008+/-0.009 χ^2/NDF: 76.3/70

- sign -0.002+/-0.013 χ^2/NDF: 27.3/35



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 49.918+/-0.011 χ^2/NDF:5878777.6/18

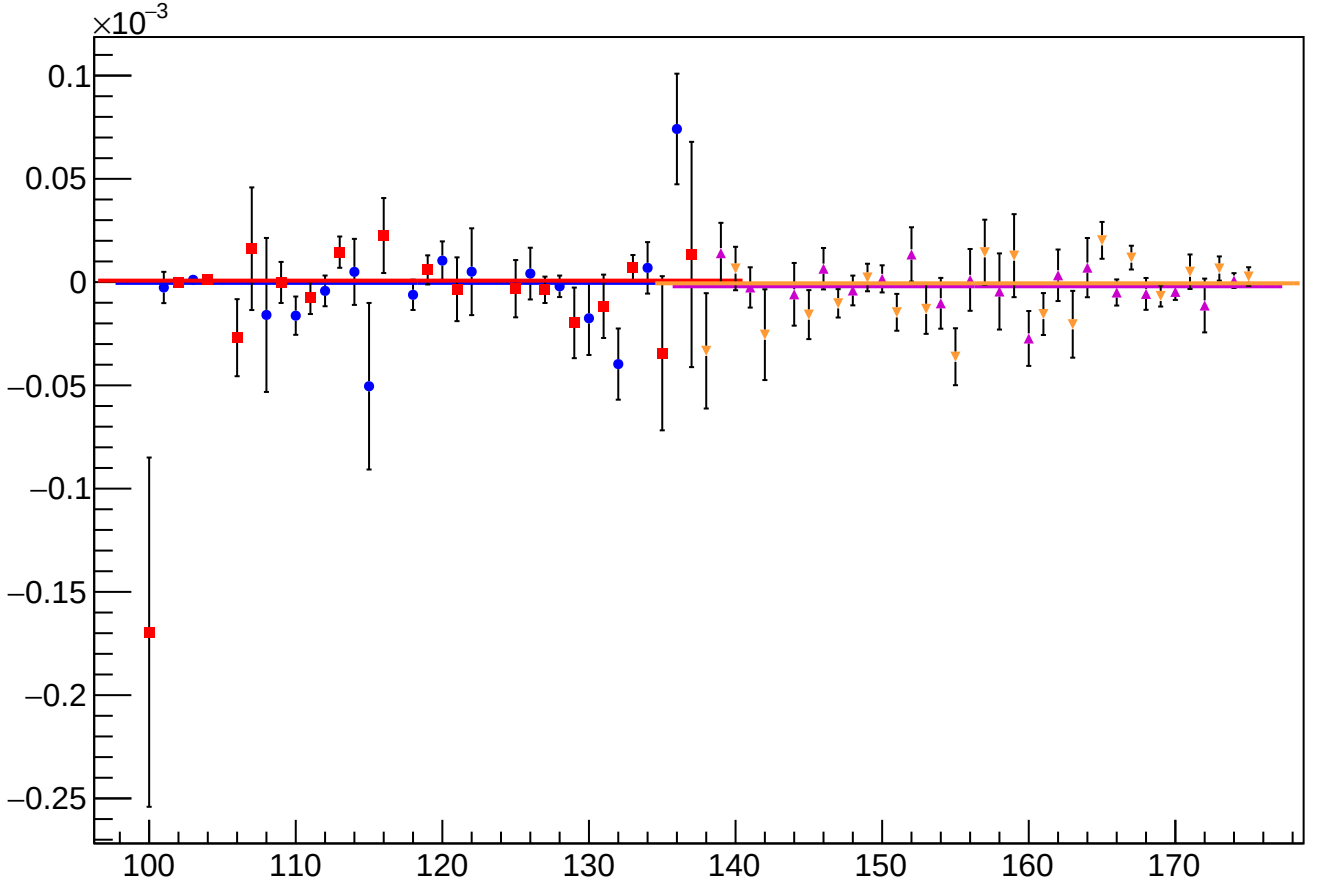
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.032+/-0.011 χ^2/NDF:6694441.3/17

+ sign 51.160+/-0.009 χ^2/NDF: 8134647.1/34

All: 50.137+/-0.006 χ^2/NDF: 17871998.8/70

- sign 49.157+/-0.009 χ^2/NDF: 9712573.0/35



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/18

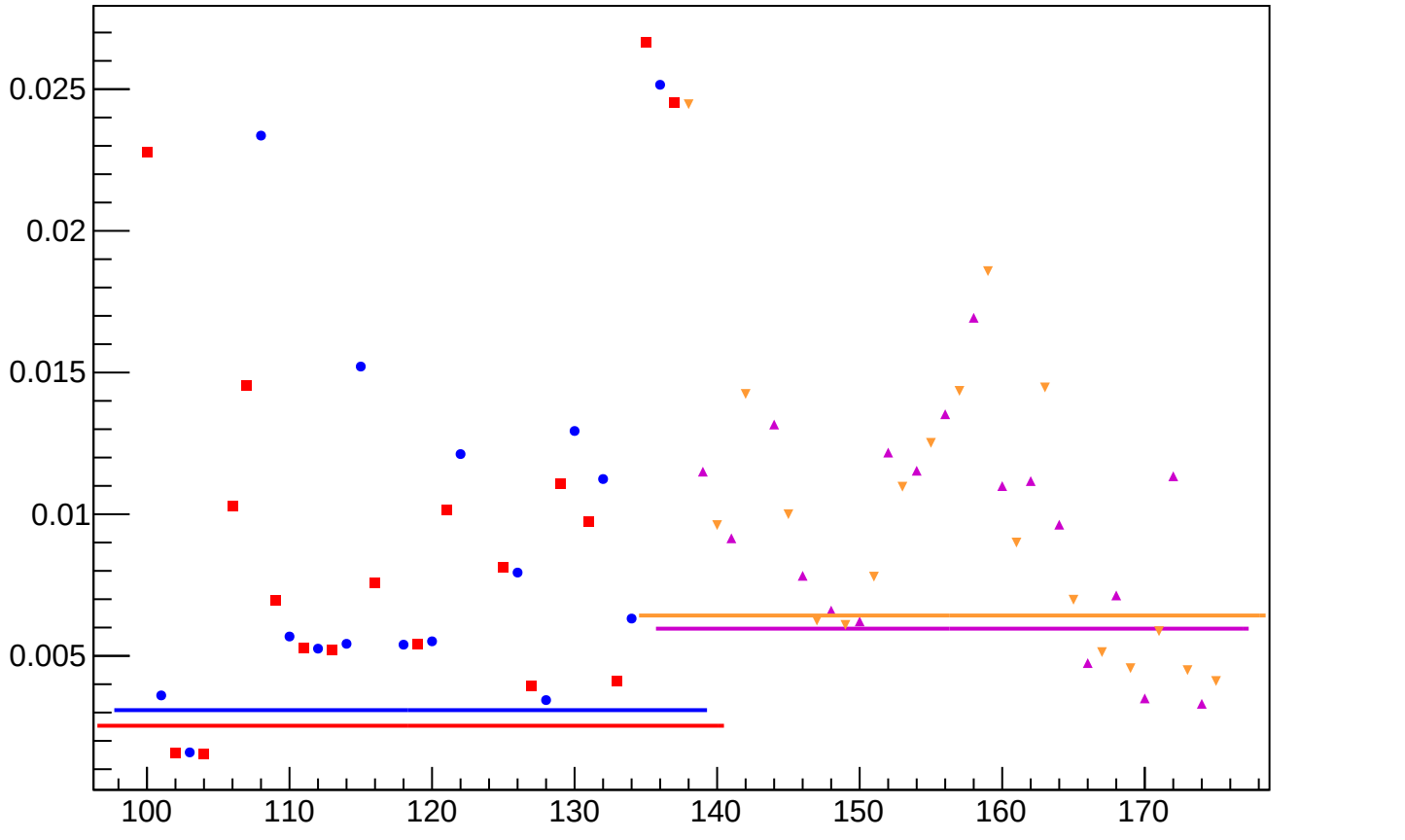
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:10.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 58.2/34

All: -0.000+/-0.000 χ^2/NDF: 88.1/70

- sign -0.000+/-0.000 χ^2/NDF: 29.8/35



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.006+/-0.000 χ^2/NDF:5161692.4/18

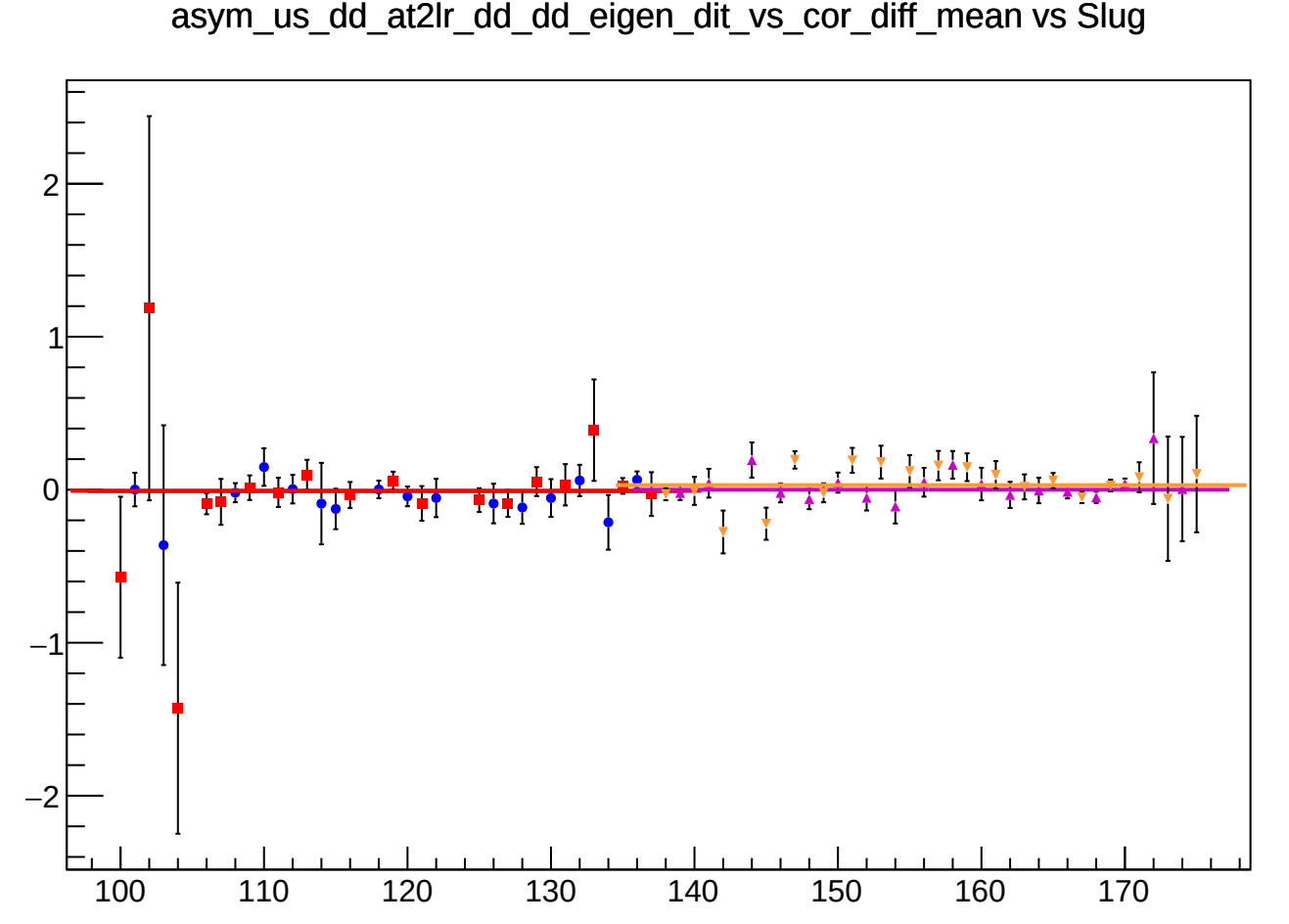
Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.006+/-0.000 χ^2/NDF:6225416.2/17

+ sign 0.005+/-0.000 χ^2/NDF: 14548275.6/34

All: 0.004+/-0.000 χ^2/NDF: 32314584.9/70

- sign 0.004+/-0.000 χ^2/NDF: 17204458.5/35



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:37.5/18

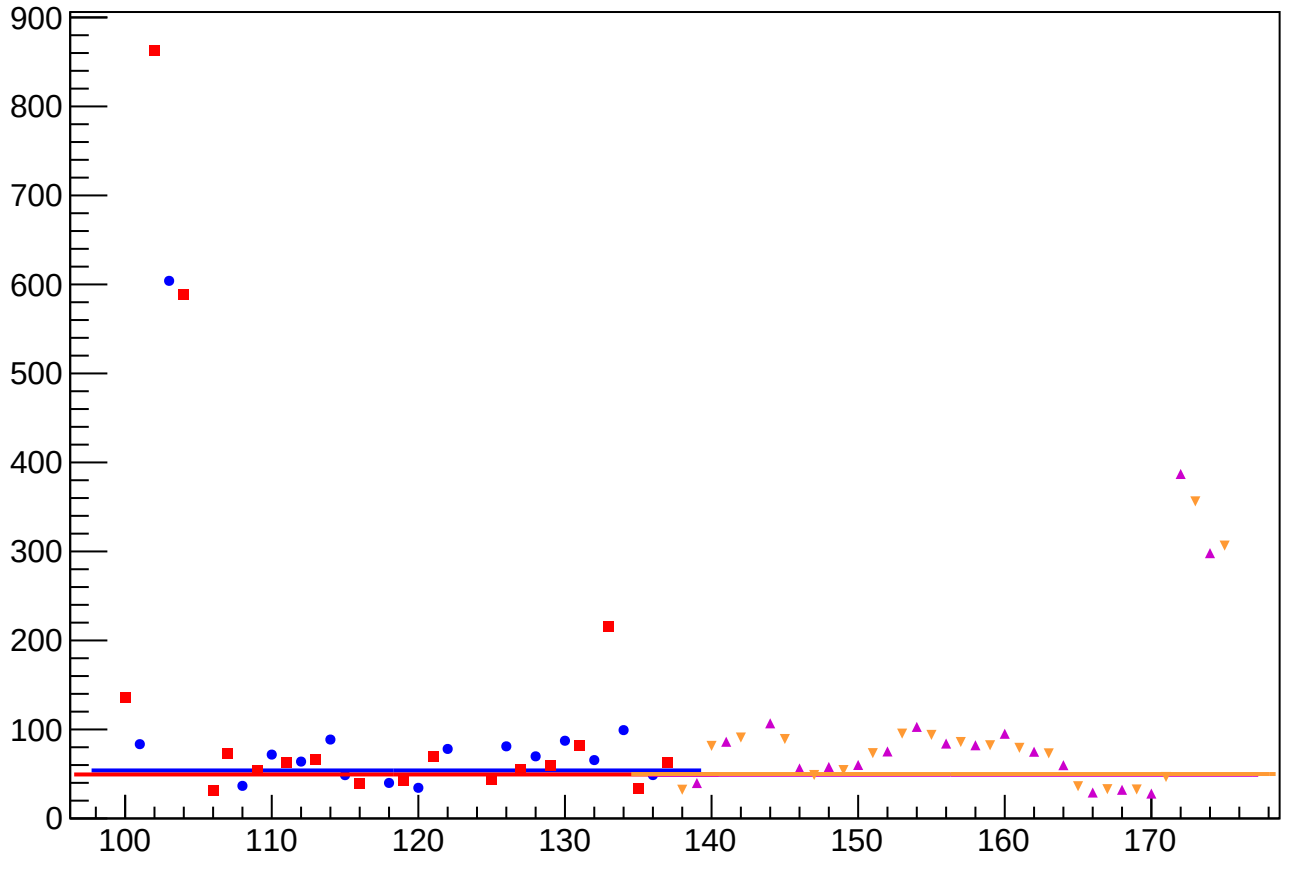
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.6/17

+ sign 0.018+/-0.013 χ^2/NDF: 47.7/34

All: 0.008+/-0.009 χ^2/NDF: 76.3/70

- sign -0.002+/-0.013 χ^2/NDF: 27.3/35



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 49.920+/-0.011 χ^2/NDF:5877991.4/18

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

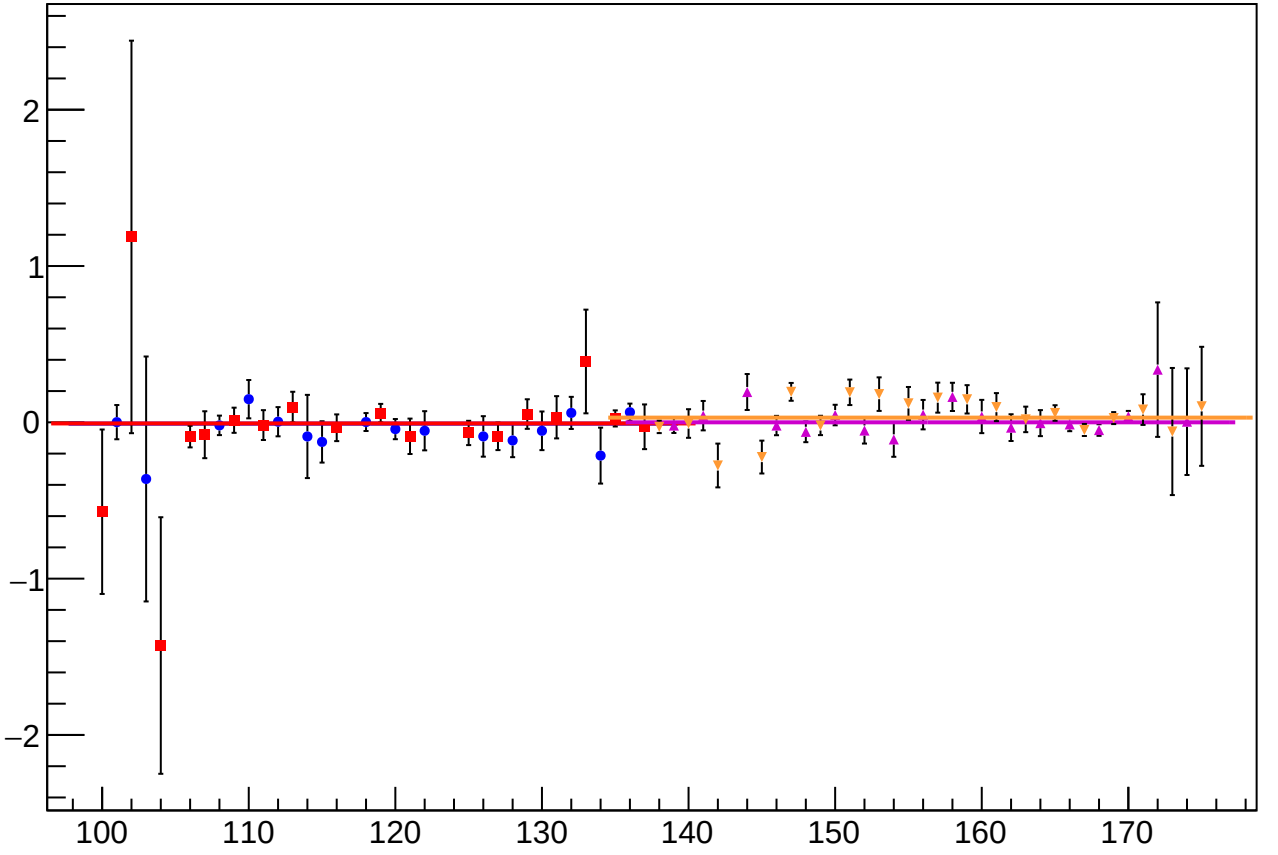
Left In: 49.032+/-0.011 χ^2/NDF:6694375.7/17

+ sign 51.163+/-0.009 χ^2/NDF: 8133479.7/34

All: 50.138+/-0.006 χ^2/NDF: 17870538.2/70

- sign 49.157+/-0.009 χ^2/NDF: 9712232.7/35

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:37.5/18

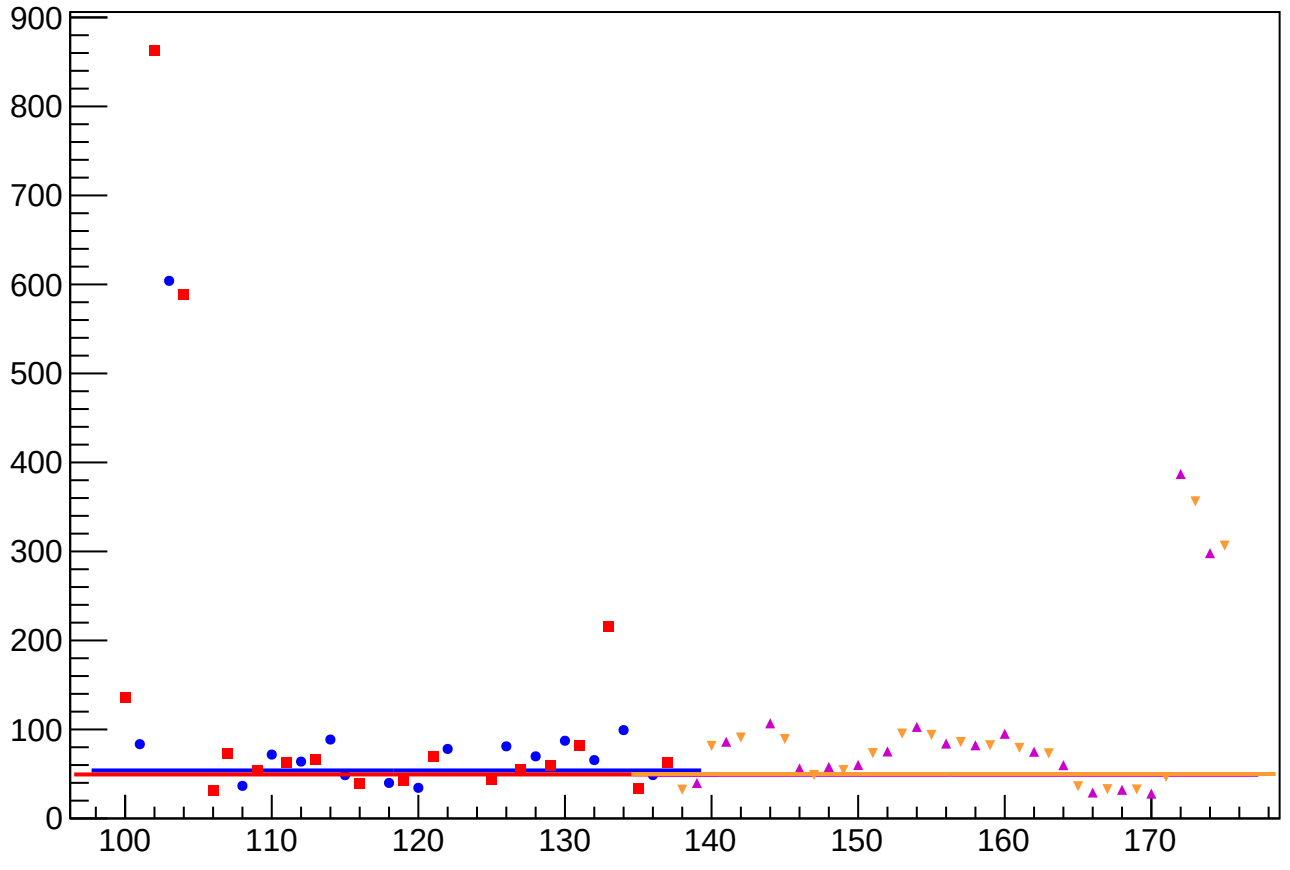
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.6/17

+ sign 0.018+/-0.013 χ^2/NDF: 47.7/34

All: 0.008+/-0.009 χ^2/NDF: 76.3/70

- sign -0.002+/-0.013 χ^2/NDF: 27.3/35



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 49.920+/-0.011 χ^2/NDF:5877991.4/18

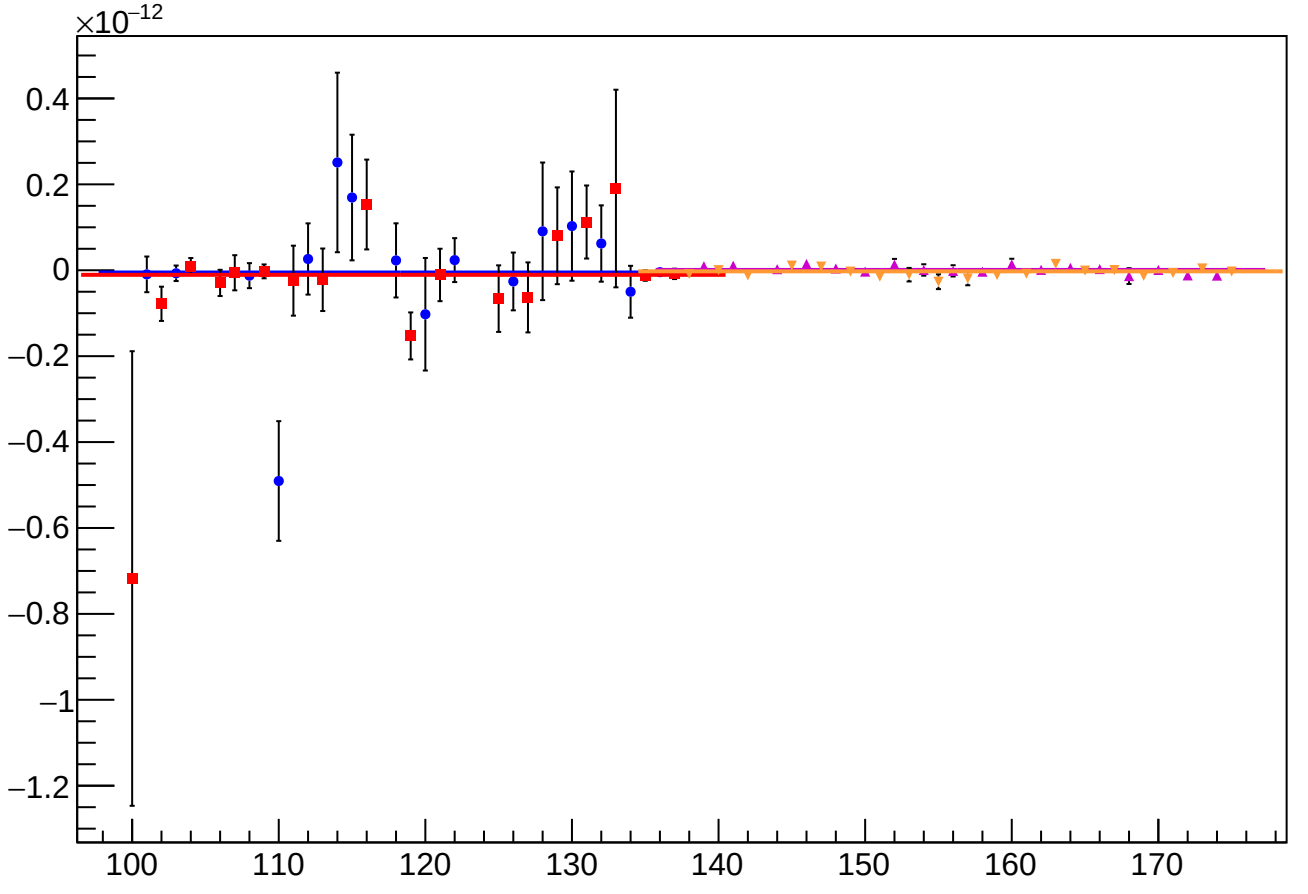
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.032+/-0.011 χ^2/NDF:6694375.7/17

+ sign 51.163+/-0.009 χ^2/NDF: 8133479.7/34

All: 50.138+/-0.006 χ^2/NDF: 17870538.2/70

- sign 49.157+/-0.009 χ^2/NDF: 9712232.7/35



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.8/18

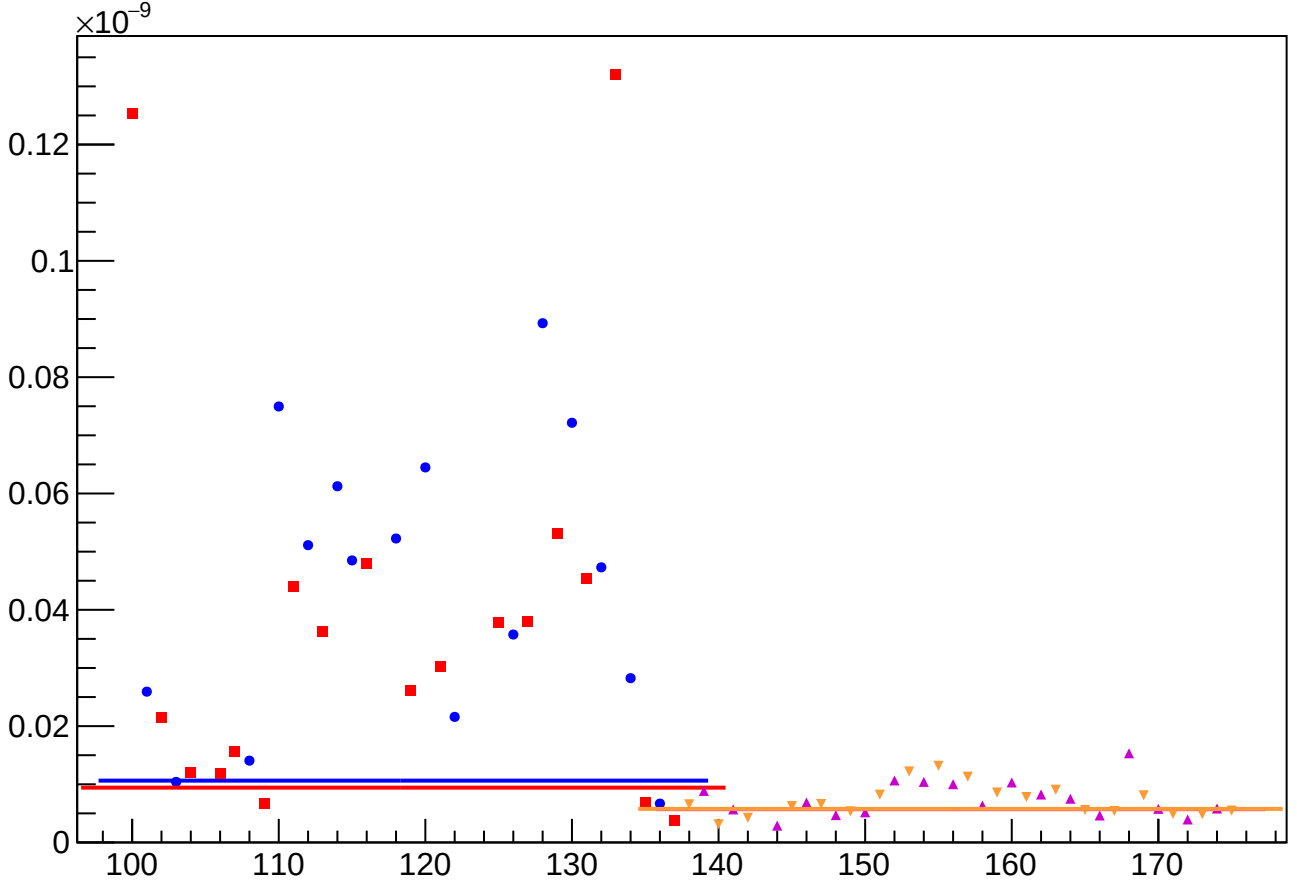
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:16.9/17

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/34

All: -0.000+/-0.000 χ^2/NDF: 76.2/70

- sign -0.000+/-0.000 χ^2/NDF: 39.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2390593.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

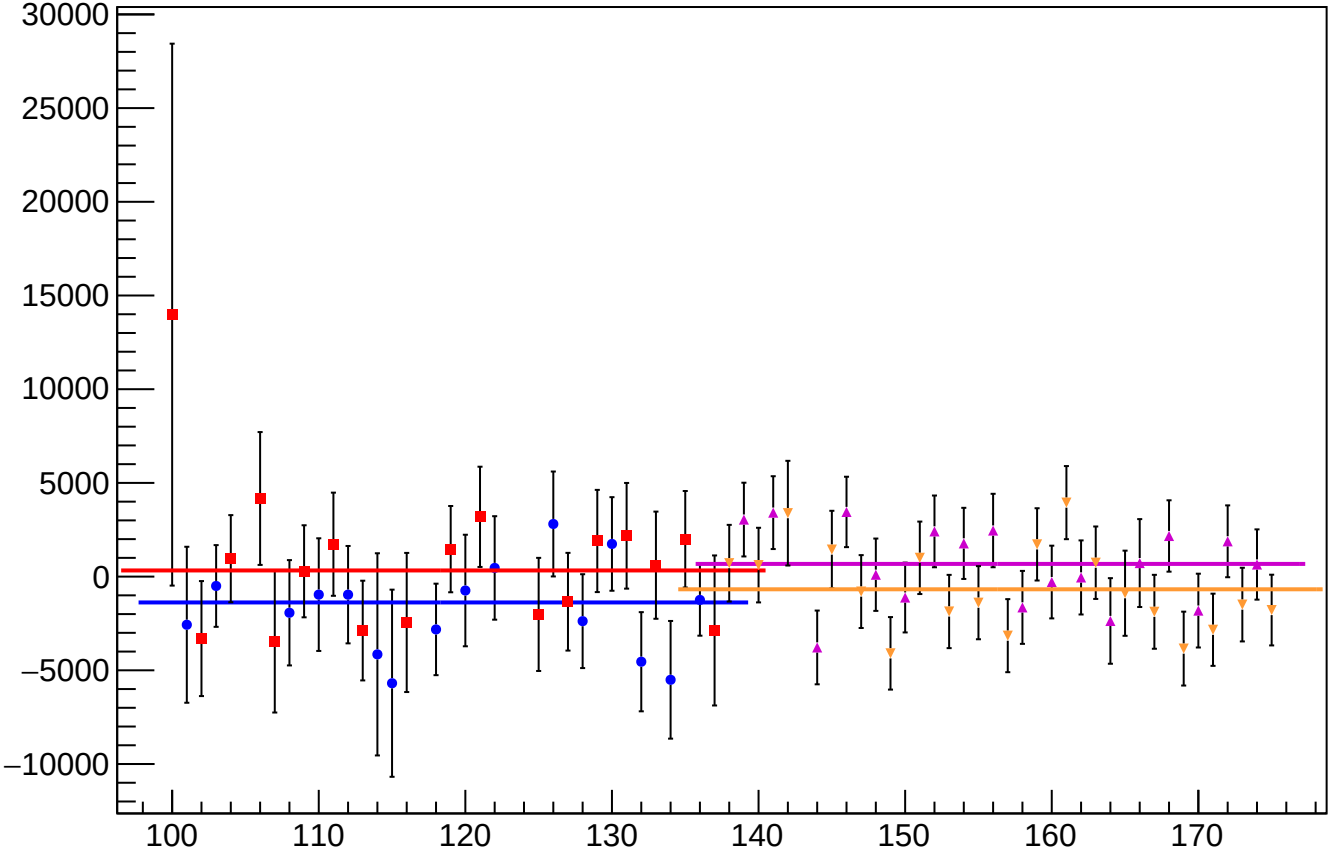
Left In: 0.000+/-0.000 χ^2/NDF:2857840.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 7884316.2/34

All: 0.000+/-0.000 χ^2/NDF: 15376235.1/70

- sign 0.000+/-0.000 χ^2/NDF: 7489339.3/35

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -676.924+/-458.509 χ^2/NDF:22.5/18

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

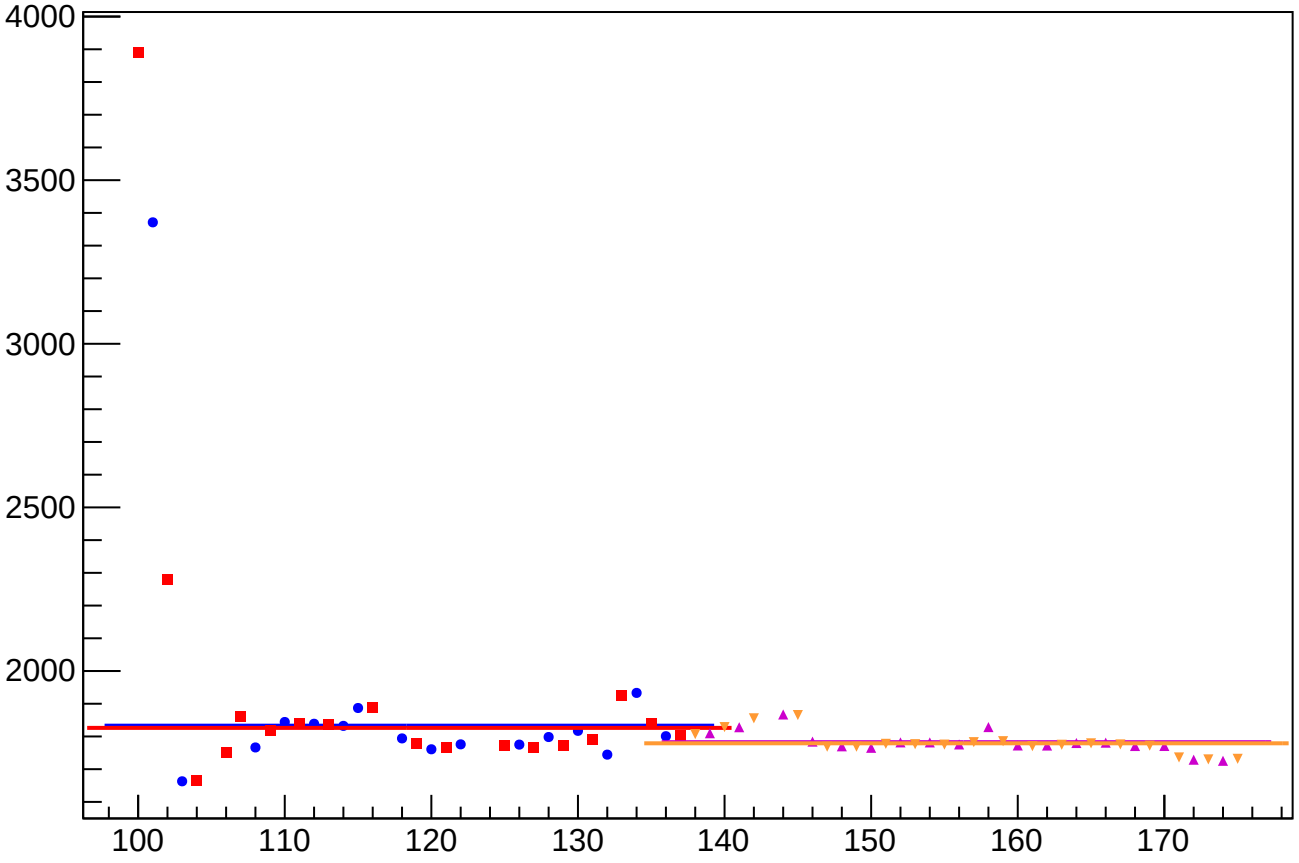
Left In: 677.495+/-462.156 χ^2/NDF:19.9/17

+ sign -892.324+/-381.718 χ^2/NDF: 32.5/34

All: -164.372+/-270.339 χ^2/NDF: 70.9/70

- sign 568.168+/-382.919 χ^2/NDF: 31.1/35

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1779.090+/-0.324 χ^2/NDF:10351.5/18

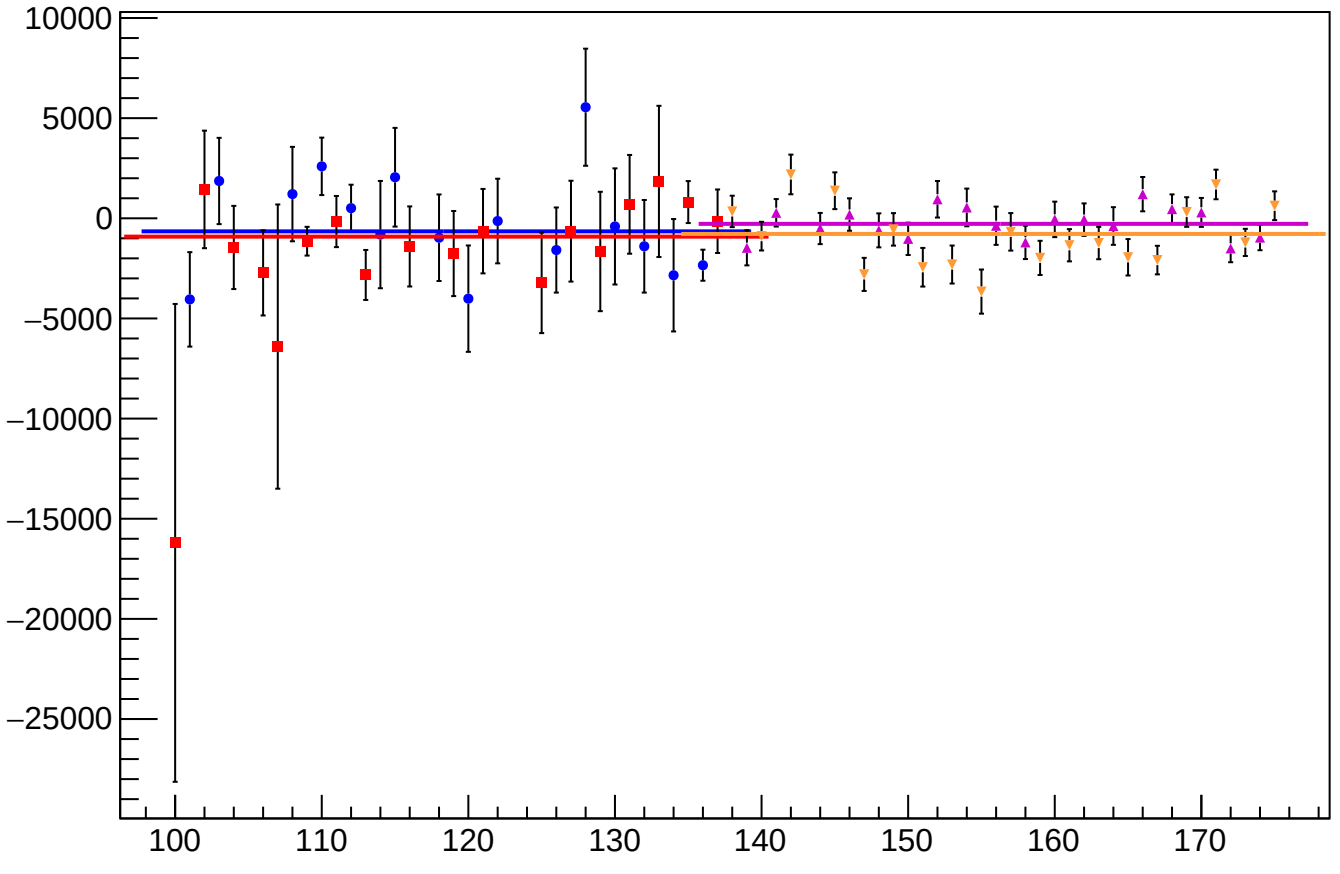
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1782.605+/-0.327 χ^2/NDF:10256.8/17

+ sign 1795.619+/-0.270 χ^2/NDF: 314259.8/34

All: 1795.946+/-0.191 χ^2/NDF: 433107.4/70

- sign 1796.275+/-0.271 χ^2/NDF: 118844.6/35



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -780.531+/-187.916 χ^2/NDF:60.4/18

Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

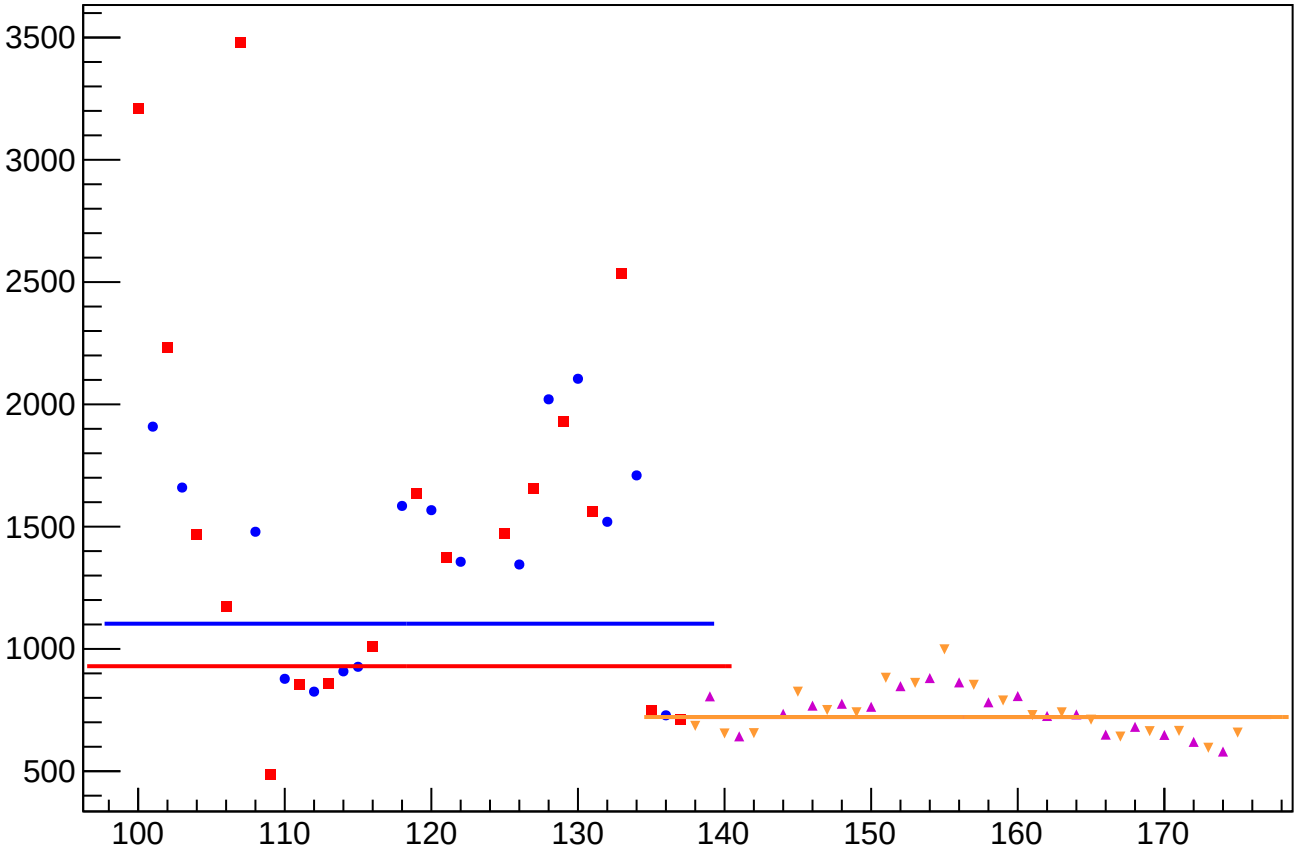
Left In: -277.209+/-188.791 χ^2/NDF:16.8/17

\+ sign -760.857+/-172.944 χ^2/NDF: 83.7/34

All: -575.790+/-121.311 χ^2/NDF: 116.5/70

\- sign -396.533+/-170.208 χ^2/NDF: 30.5/35

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 721.576+/-0.133 χ^2/NDF:471803.4/18

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

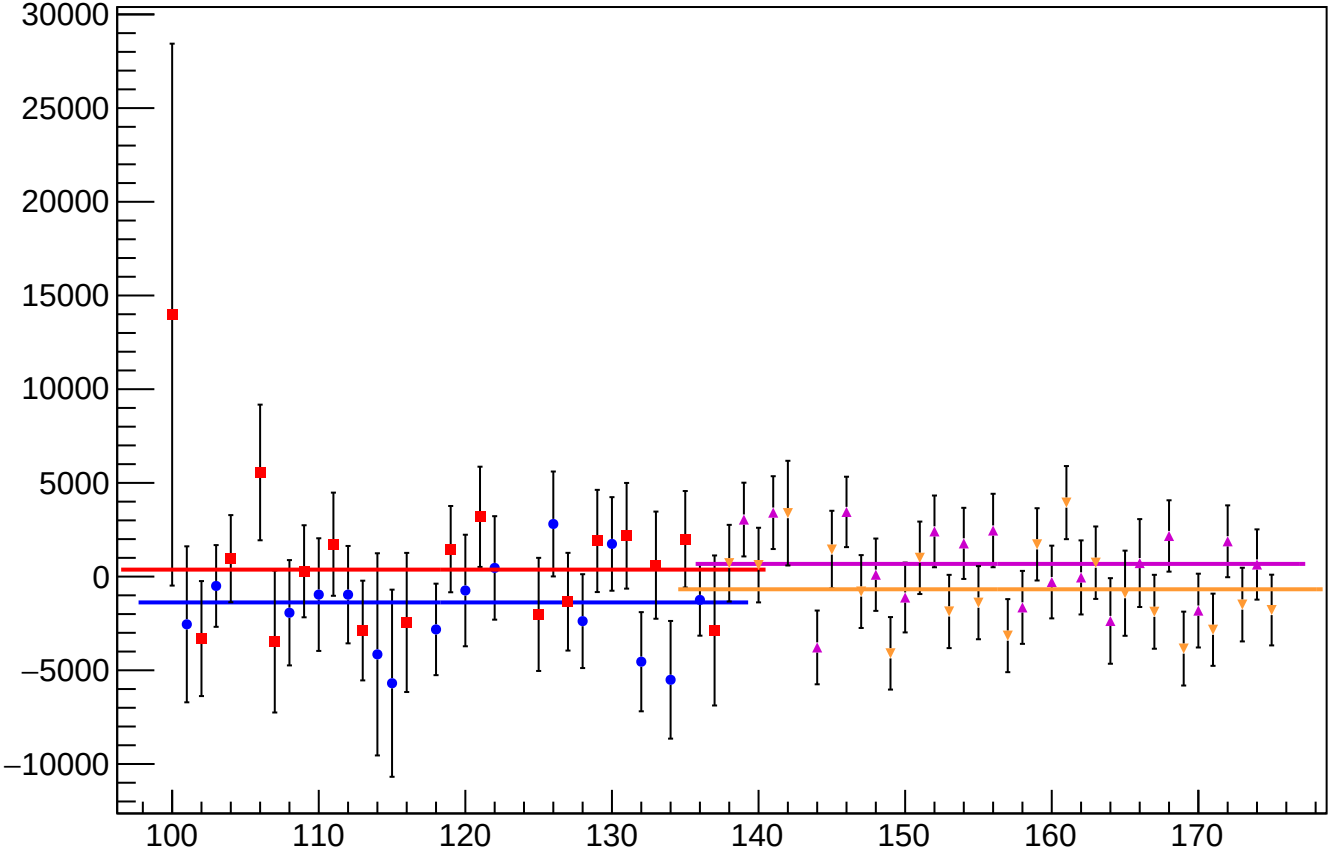
Left In: 721.454+/-0.133 χ^2/NDF:418835.6/17

+ sign 779.964+/-0.122 χ^2/NDF: 3611907.9/34

All: 770.009+/-0.086 χ^2/NDF: 7551853.5/70

- sign 760.368+/-0.120 χ^2/NDF: 3926902.5/35

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -676.848+/-458.509 χ^2/NDF:22.5/18

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

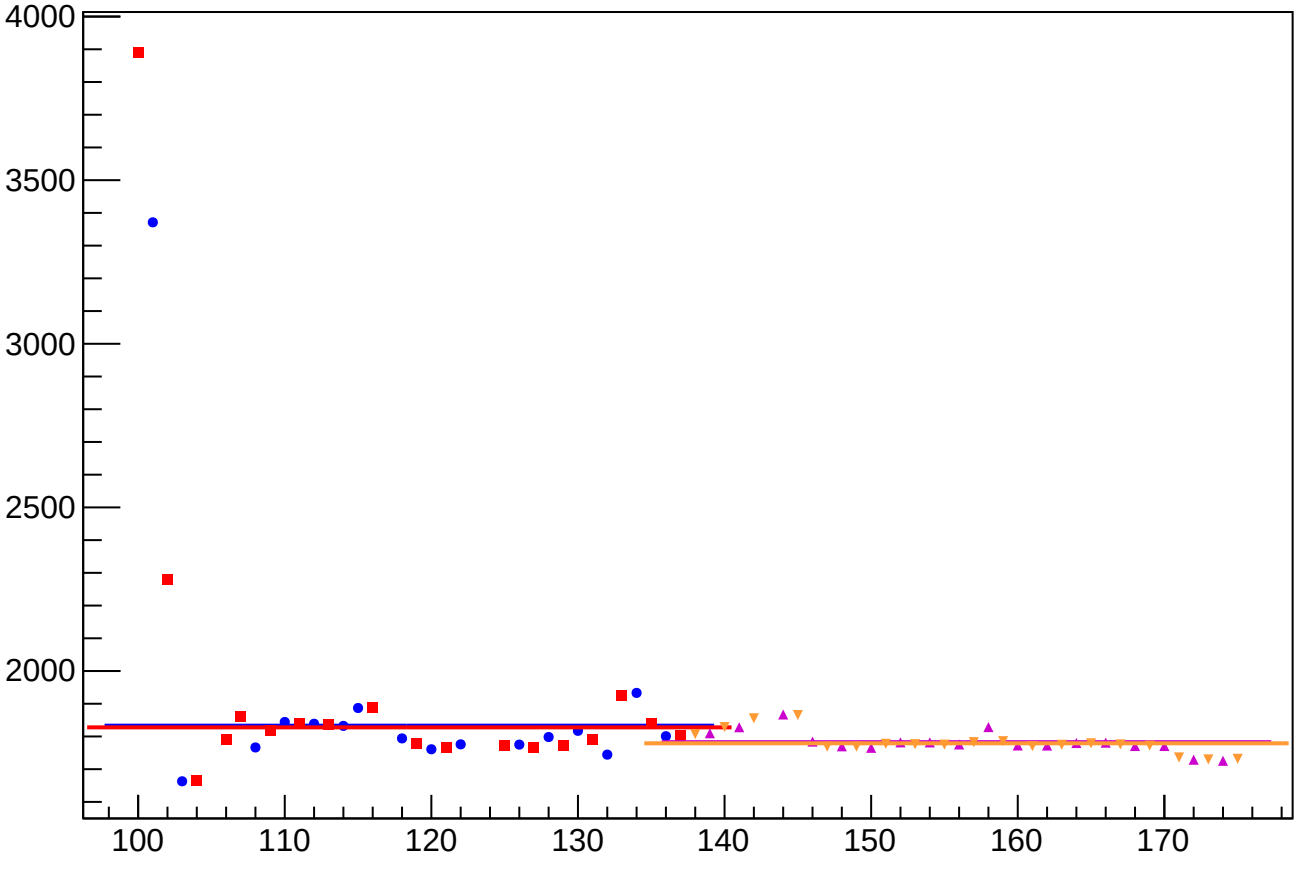
Left In: 677.397+/-462.156 χ^2/NDF:19.9/17

+ sign -892.079+/-381.718 χ^2/NDF: 32.5/34

All: -157.570+/-270.371 χ^2/NDF: 71.9/70

- sign 581.921+/-383.011 χ^2/NDF: 32.0/35

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1779.090+/-0.324 χ^2/NDF:10351.5/18

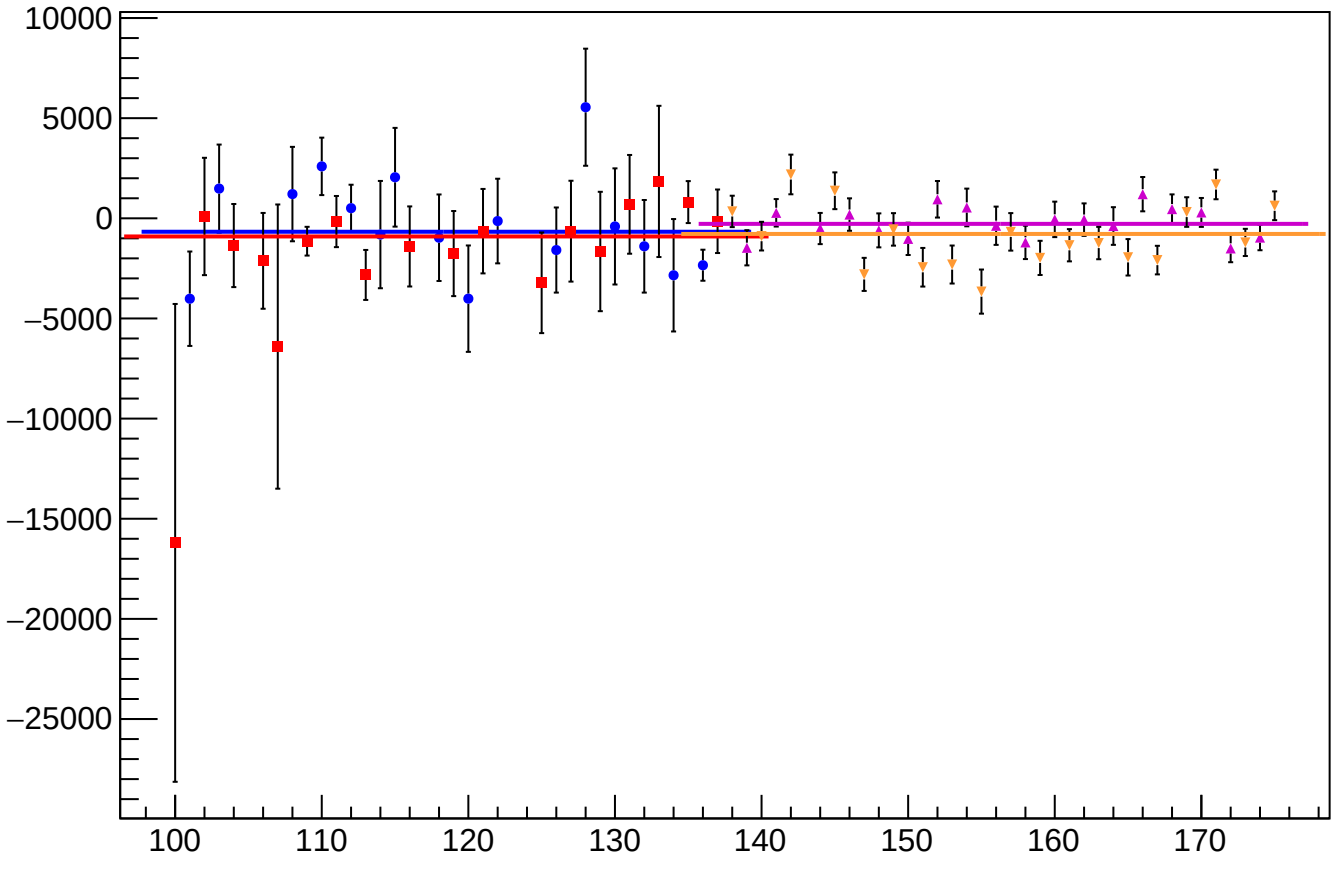
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1782.605+/-0.327 χ^2/NDF:10256.8/17

\+ sign 1795.619+/-0.270 χ^2/NDF: 314261.7/34

All: 1796.185+/-0.191 χ^2/NDF: 432783.6/70

\- sign 1796.755+/-0.271 χ^2/NDF: 118513.1/35



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -780.551+/-187.918 χ^2/NDF:60.4/18

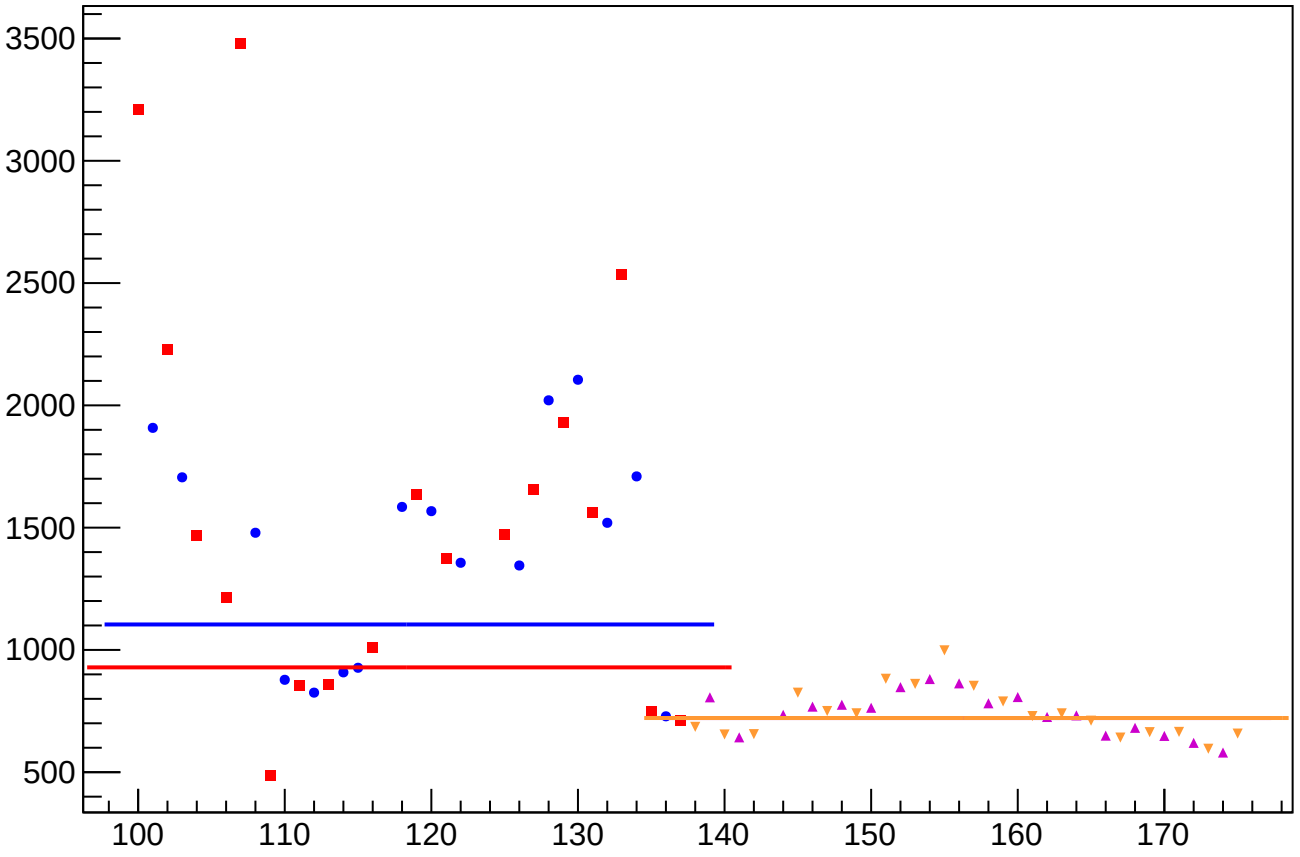
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -277.160+/-188.792 χ^2/NDF:16.8/17

\+ sign -763.743+/-172.967 χ^2/NDF: 83.2/34

All: -576.105+/-121.360 χ^2/NDF: 115.0/70

\- sign -394.165+/-170.321 χ^2/NDF: 29.4/35



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 721.584+/-0.133 χ^2/NDF:471752.1/18

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

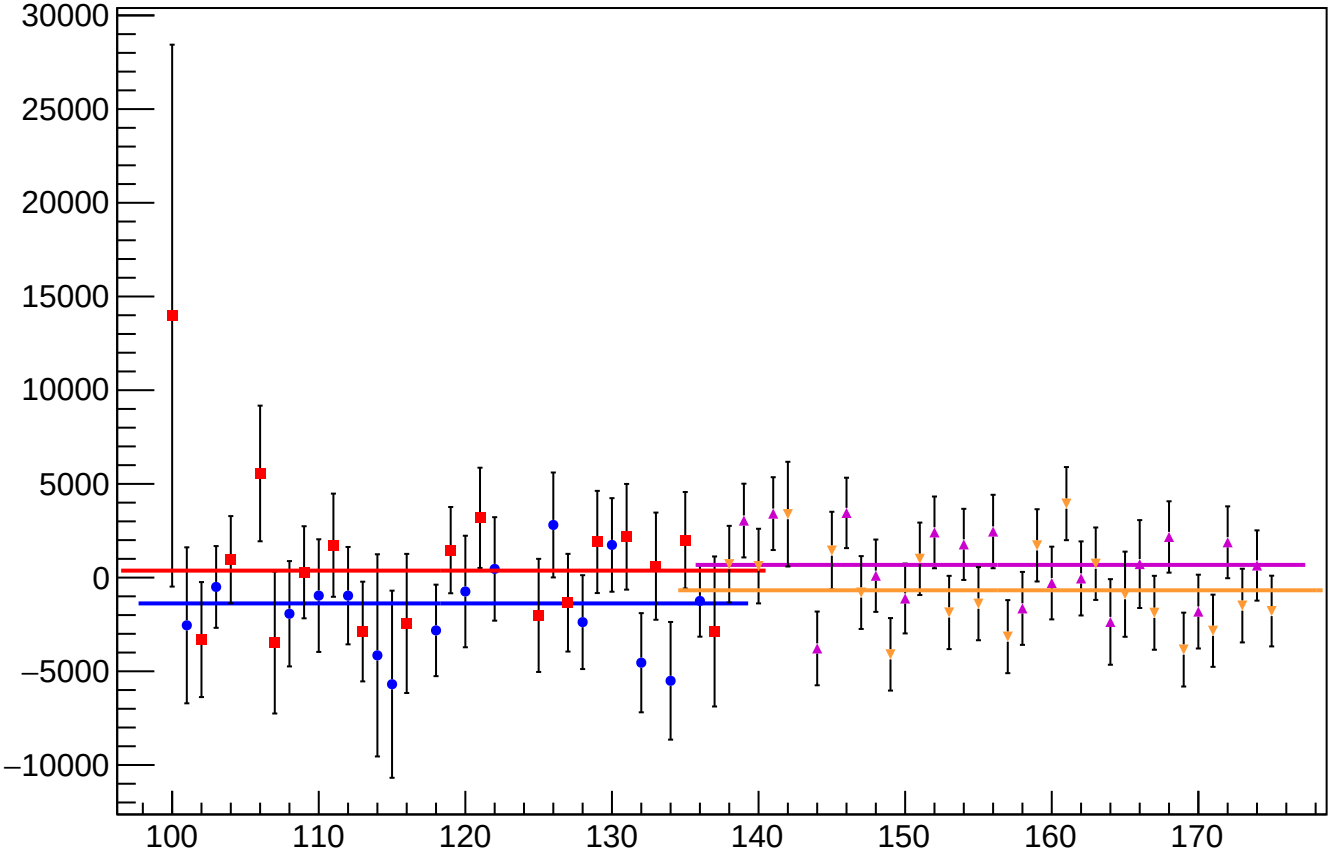
Left In: 721.458+/-0.133 χ^2/NDF:418864.9/17

\+ sign 780.028+/-0.122 χ^2/NDF: 3632401.3/34

All: 769.866+/-0.086 χ^2/NDF: 7567446.7/70

\- sign 760.013+/-0.120 χ^2/NDF: 3921447.9/35

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -676.848+/-458.509 χ^2/NDF:22.5/18

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

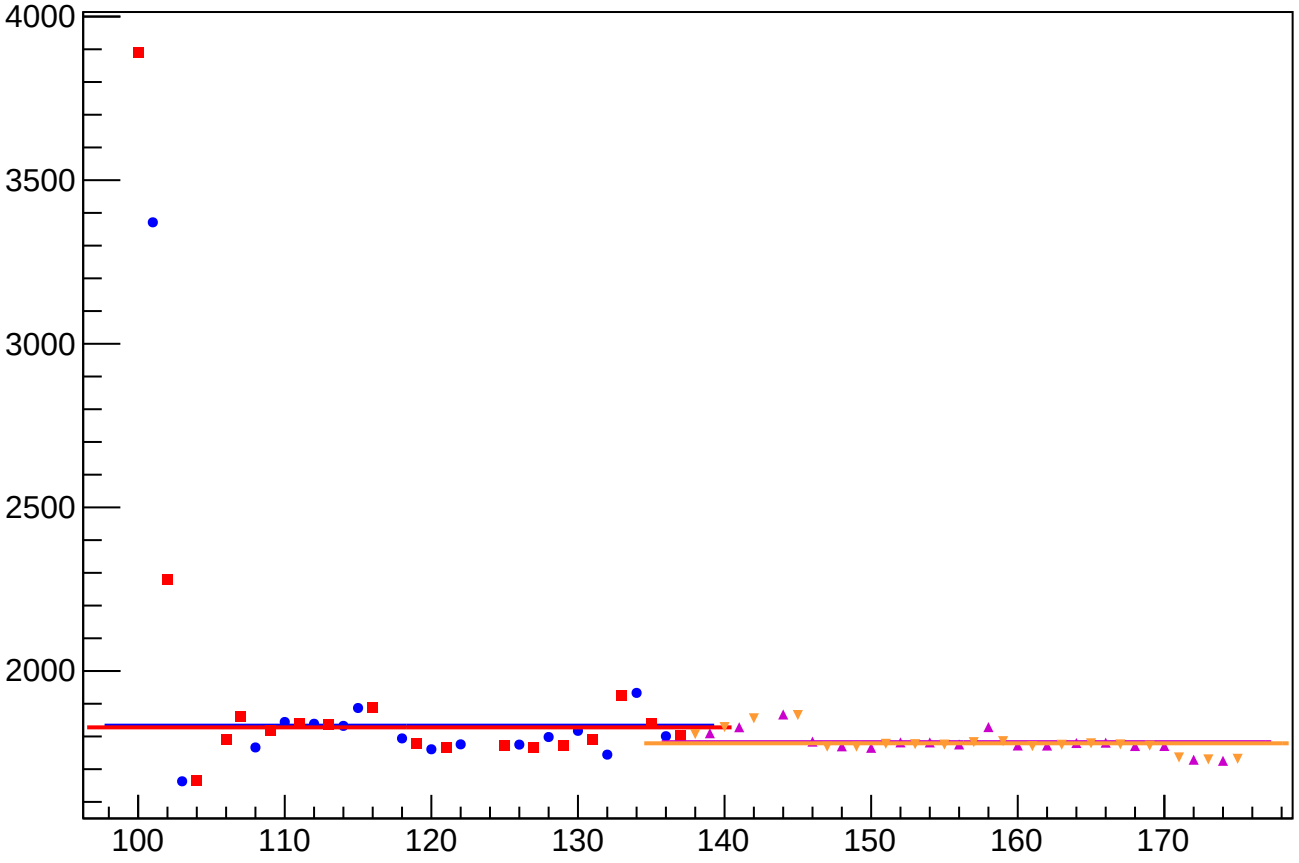
Left In: 677.397+/-462.156 χ^2/NDF:19.9/17

+ sign -892.079+/-381.718 χ^2/NDF: 32.5/34

All: -157.570+/-270.371 χ^2/NDF: 71.9/70

- sign 581.921+/-383.011 χ^2/NDF: 32.0/35

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1779.090+/-0.324 χ^2/NDF:10351.5/18

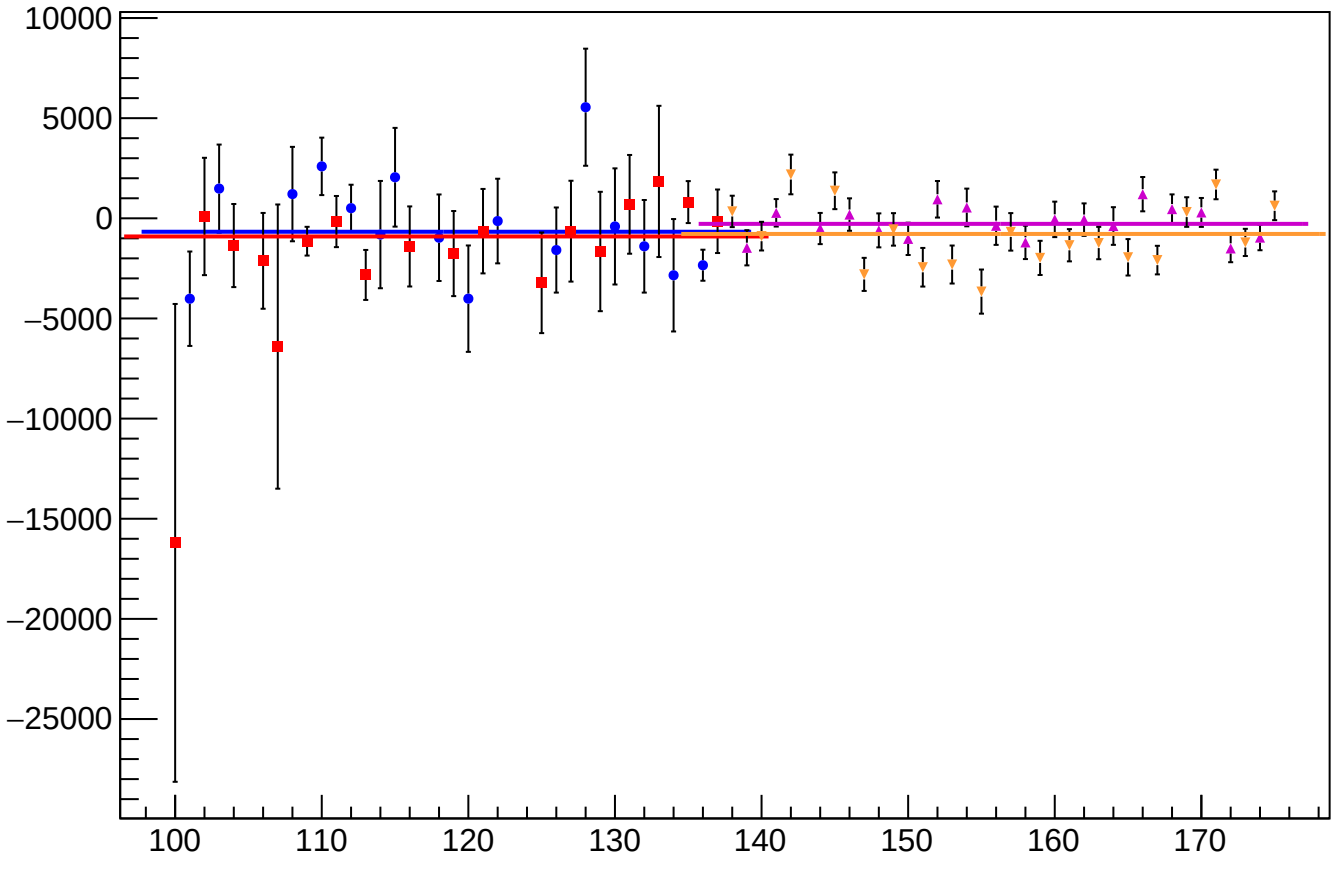
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1782.605+/-0.327 χ^2/NDF:10256.8/17

+ sign 1795.619+/-0.270 χ^2/NDF: 314261.7/34

All: 1796.185+/-0.191 χ^2/NDF: 432783.6/70

- sign 1796.755+/-0.271 χ^2/NDF: 118513.1/35



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -780.551+/-187.918 χ^2/NDF:60.4/18

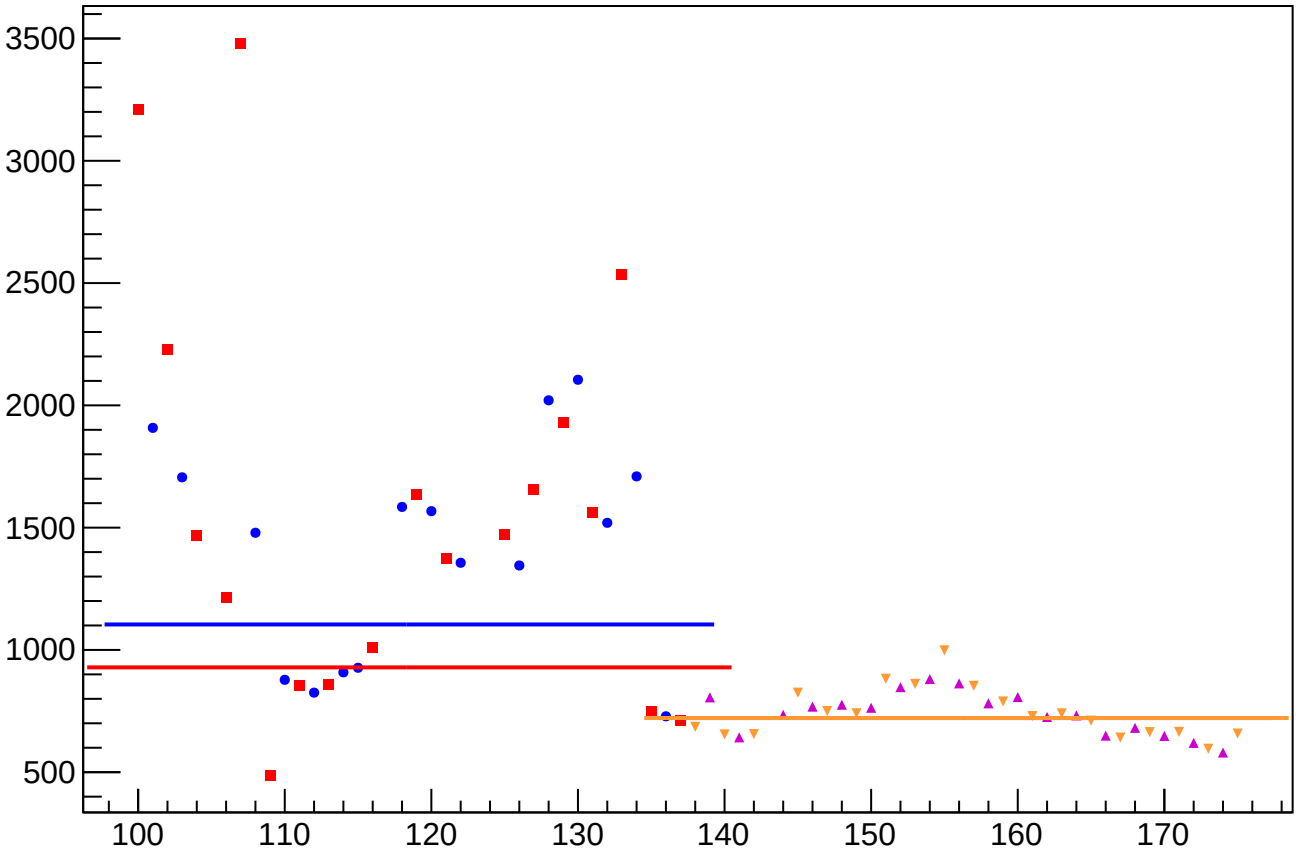
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -277.160+/-188.792 χ^2/NDF:16.8/17

+ sign -763.743+/-172.967 χ^2/NDF: 83.2/34

All: -576.105+/-121.360 χ^2/NDF: 115.0/70

- sign -394.165+/-170.321 χ^2/NDF: 29.4/35



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 721.584+/-0.133 χ^2/NDF:471752.1/18

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

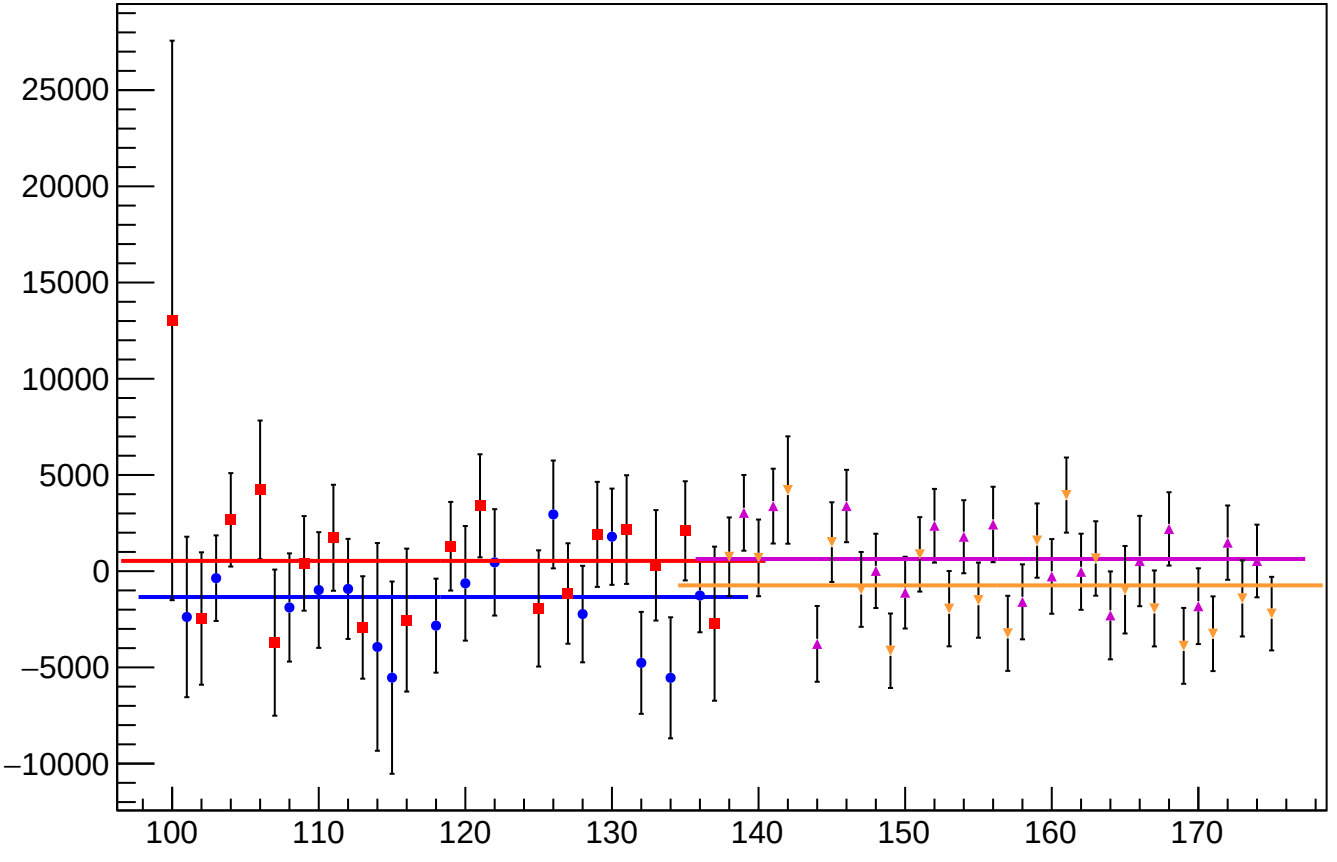
Left In: 721.458+/-0.133 χ^2/NDF:418864.9/17

+ sign 780.028+/-0.122 χ^2/NDF: 3632401.3/34

All: 769.866+/-0.086 χ^2/NDF: 7567446.7/70

- sign 760.013+/-0.120 χ^2/NDF: 3921447.9/35

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -738.230+/-459.463 χ^2/NDF:24.4/18

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

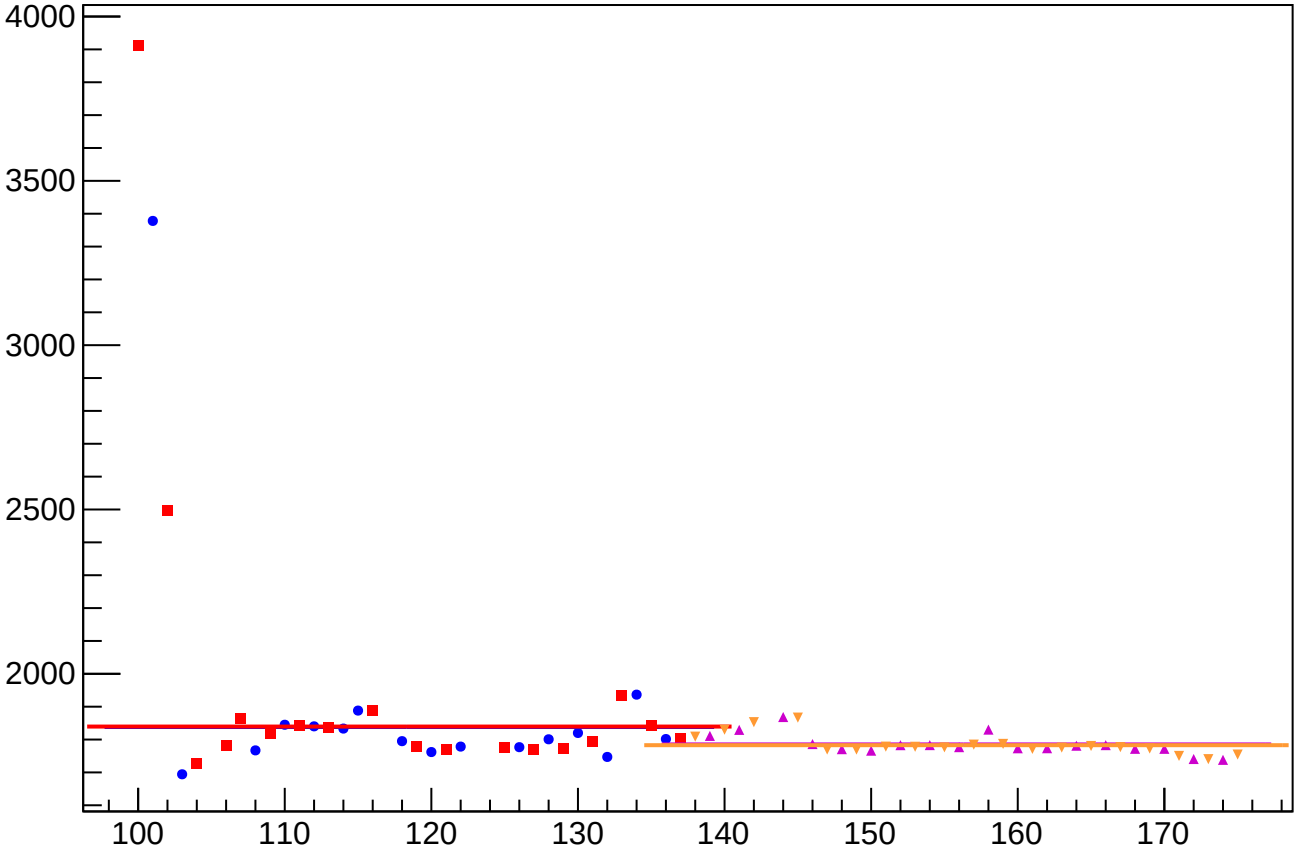
Left In: 632.379+/-462.819 χ^2/NDF:19.4/17

+ sign -923.954+/-382.594 χ^2/NDF: 34.5/34

All: -164.843+/-271.217 χ^2/NDF: 72.9/70

- sign 601.971+/-384.530 χ^2/NDF: 30.5/35

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1782.840+/-0.325 χ^2/NDF:8328.7/18

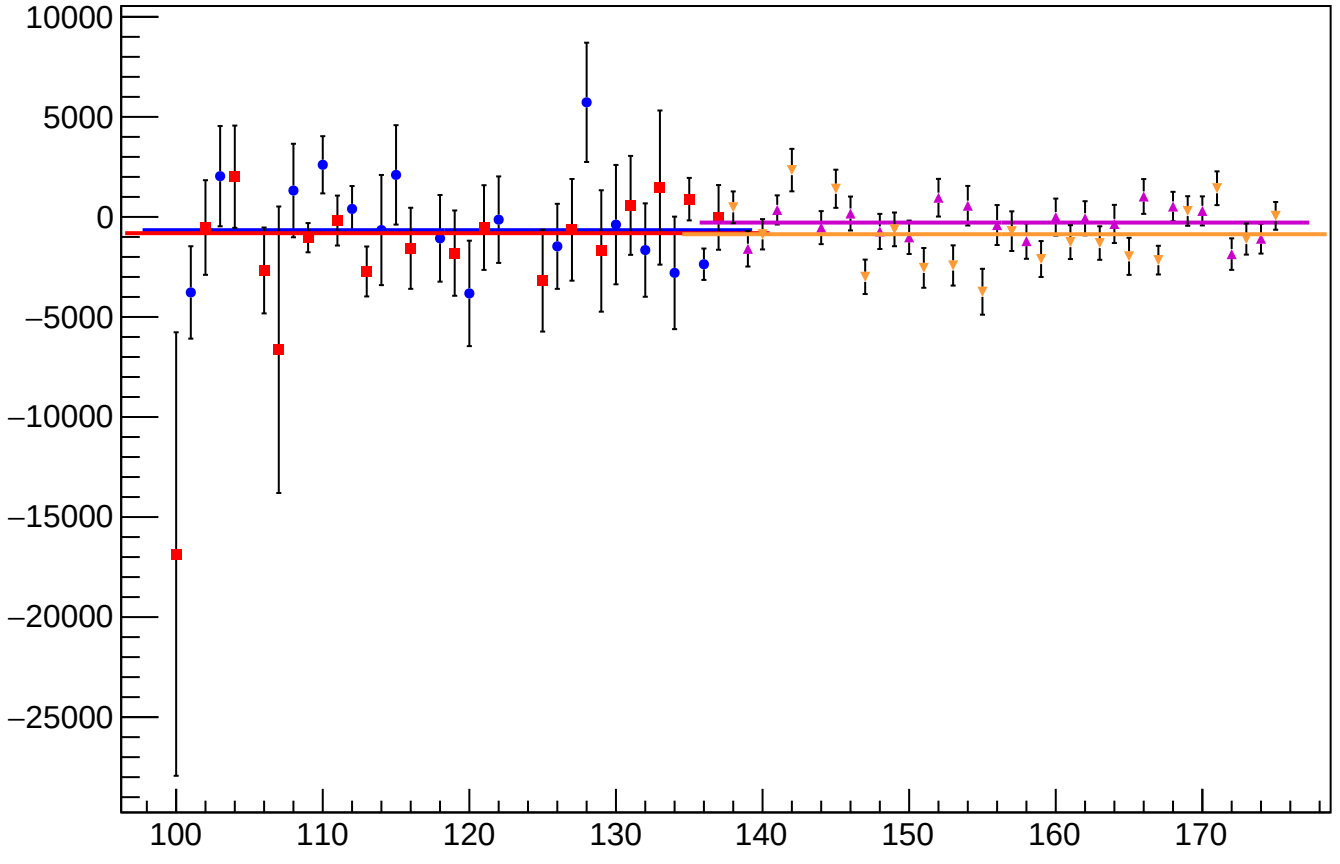
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1785.199+/-0.327 χ^2/NDF:9025.4/17

+ sign 1799.802+/-0.271 χ^2/NDF: 309202.2/34

All: 1800.906+/-0.192 χ^2/NDF: 455046.6/70

- sign 1802.021+/-0.272 χ^2/NDF: 145810.9/35



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -864.284+/-196.134 χ^2/NDF:54.3/18

Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

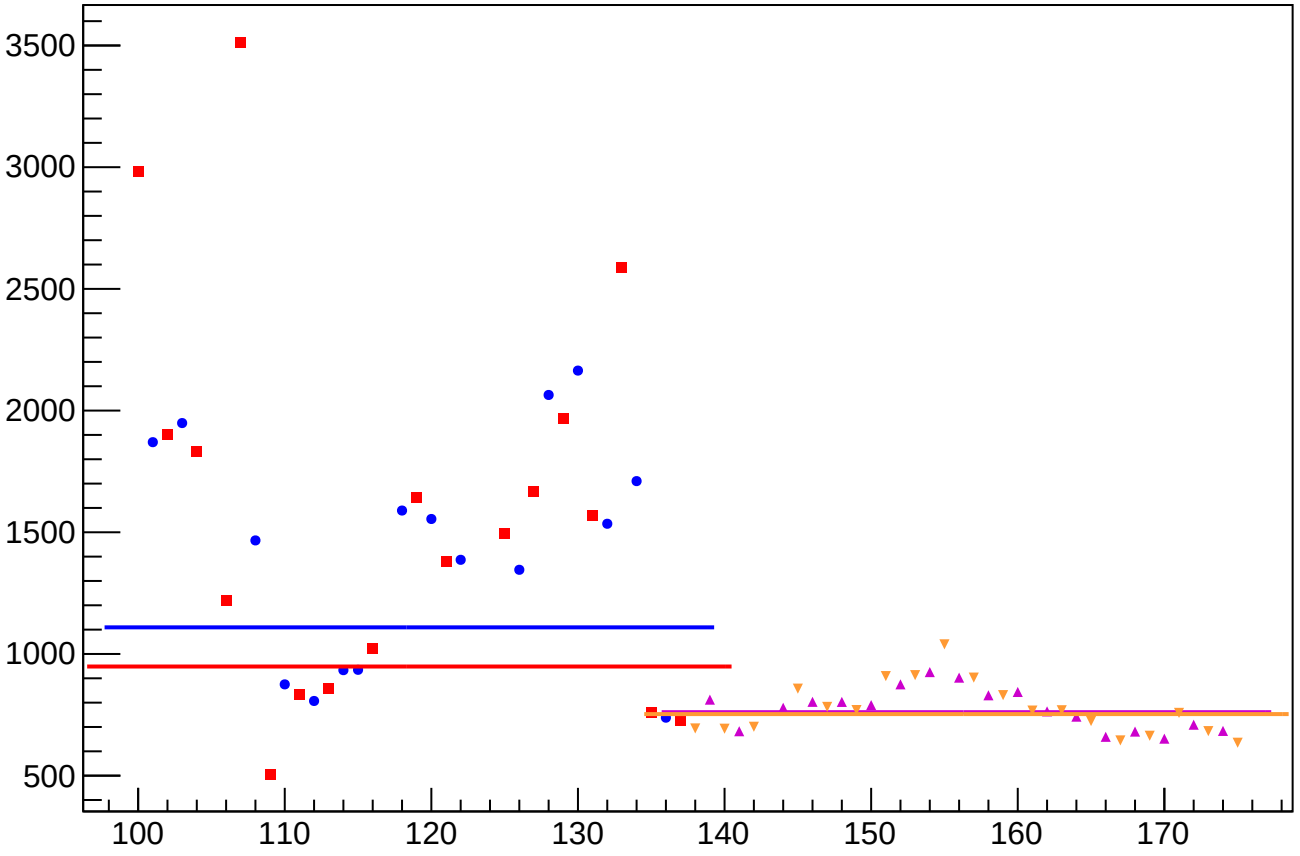
Left In: -282.355+/-198.703 χ^2/NDF:17.4/17

\+ sign -831.734+/-179.533 χ^2/NDF: 77.2/34

All: -607.806+/-126.298 χ^2/NDF: 111.3/70

\- sign -388.415+/-177.706 χ^2/NDF: 31.0/35

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 752.958+/-0.139 χ^2/NDF:492800.1/18

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

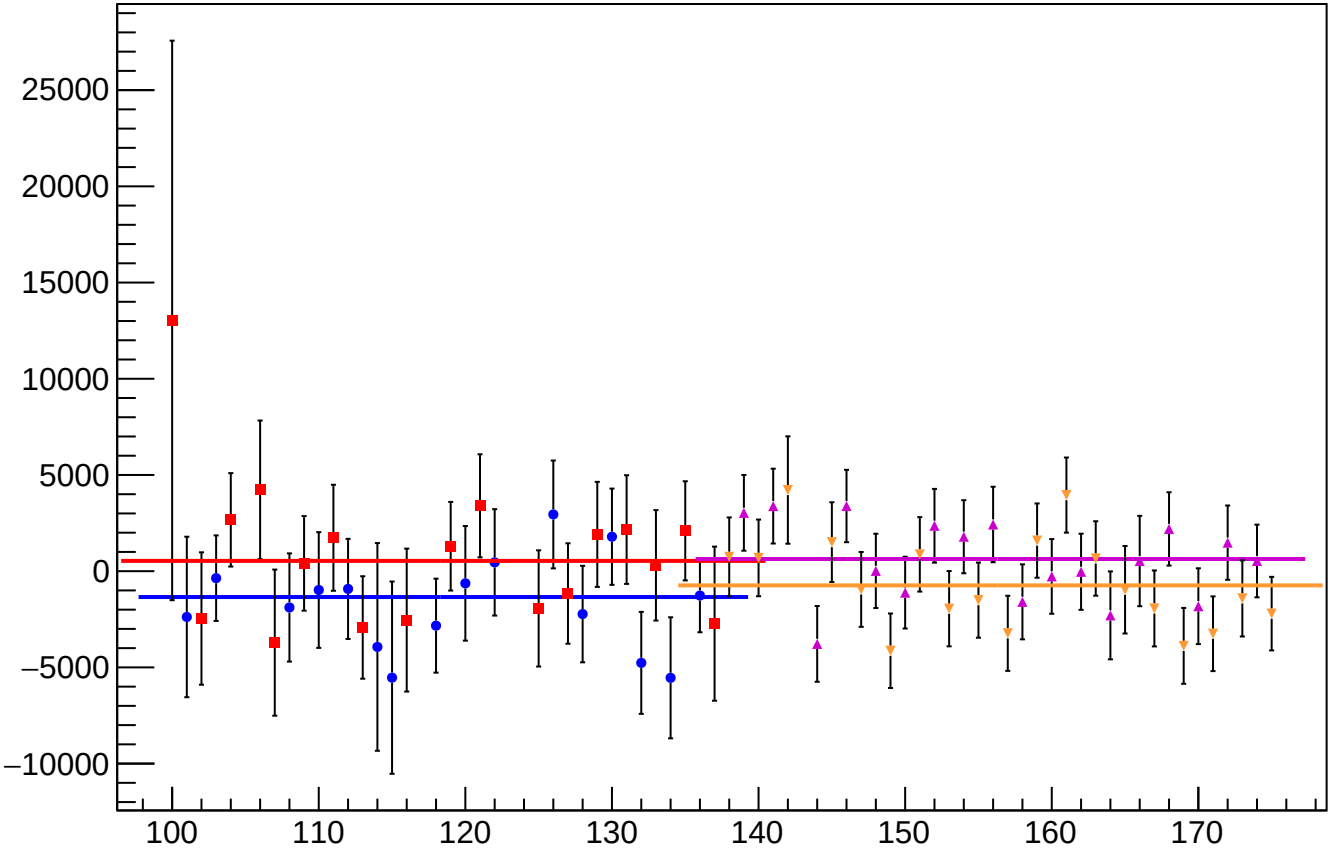
Left In: 760.856+/-0.141 χ^2/NDF:323190.4/17

\+ sign 810.734+/-0.127 χ^2/NDF: 3536748.7/34

All: 804.507+/-0.089 χ^2/NDF: 7275168.3/70

\- sign 798.405+/-0.126 χ^2/NDF: 3733655.6/35

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -738.229+/-459.463 χ^2/NDF:24.4/18

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

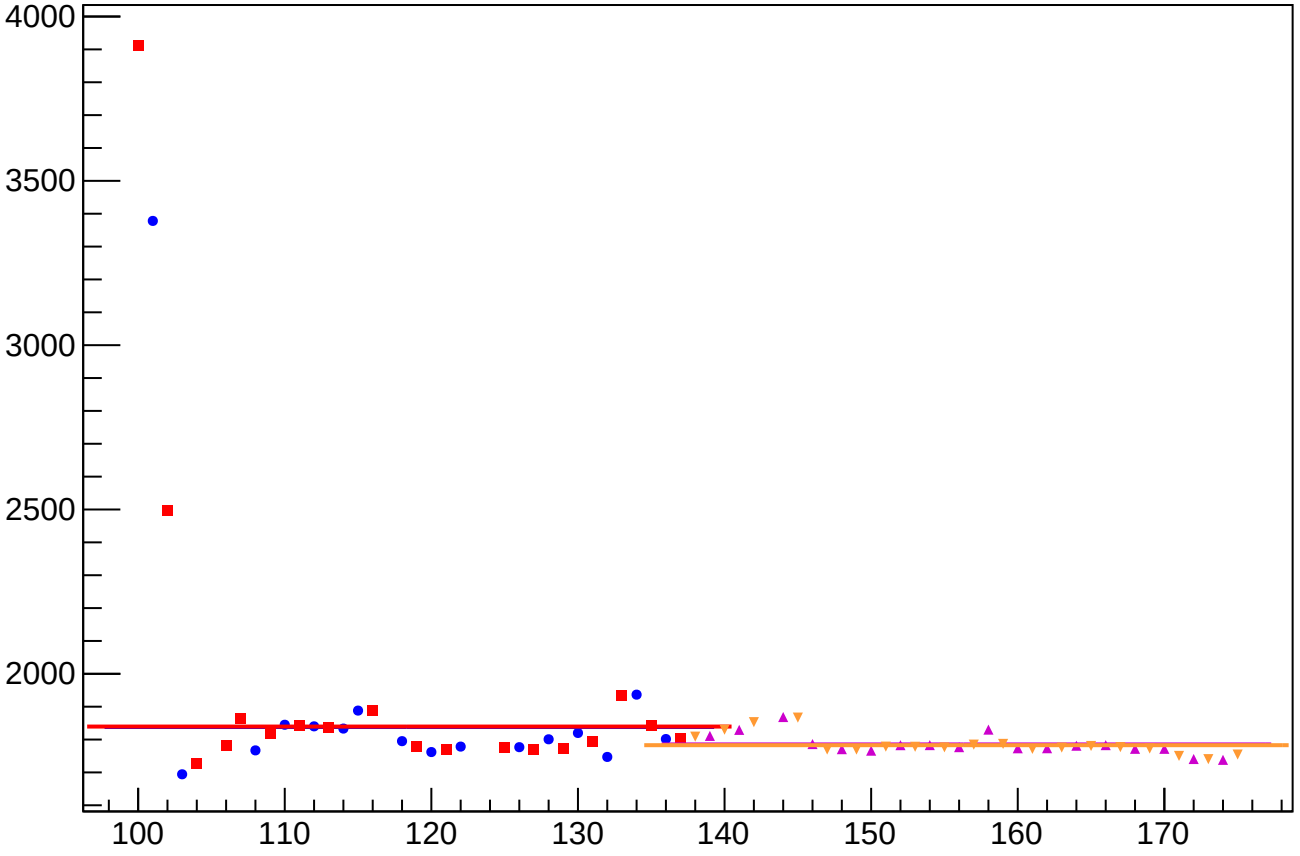
Left In: 632.379+/-462.819 χ^2/NDF:19.4/17

+ sign -923.954+/-382.594 χ^2/NDF: 34.5/34

All: -164.843+/-271.217 χ^2/NDF: 72.9/70

- sign 601.972+/-384.530 χ^2/NDF: 30.5/35

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1782.840+/-0.325 χ^2/NDF:8328.7/18

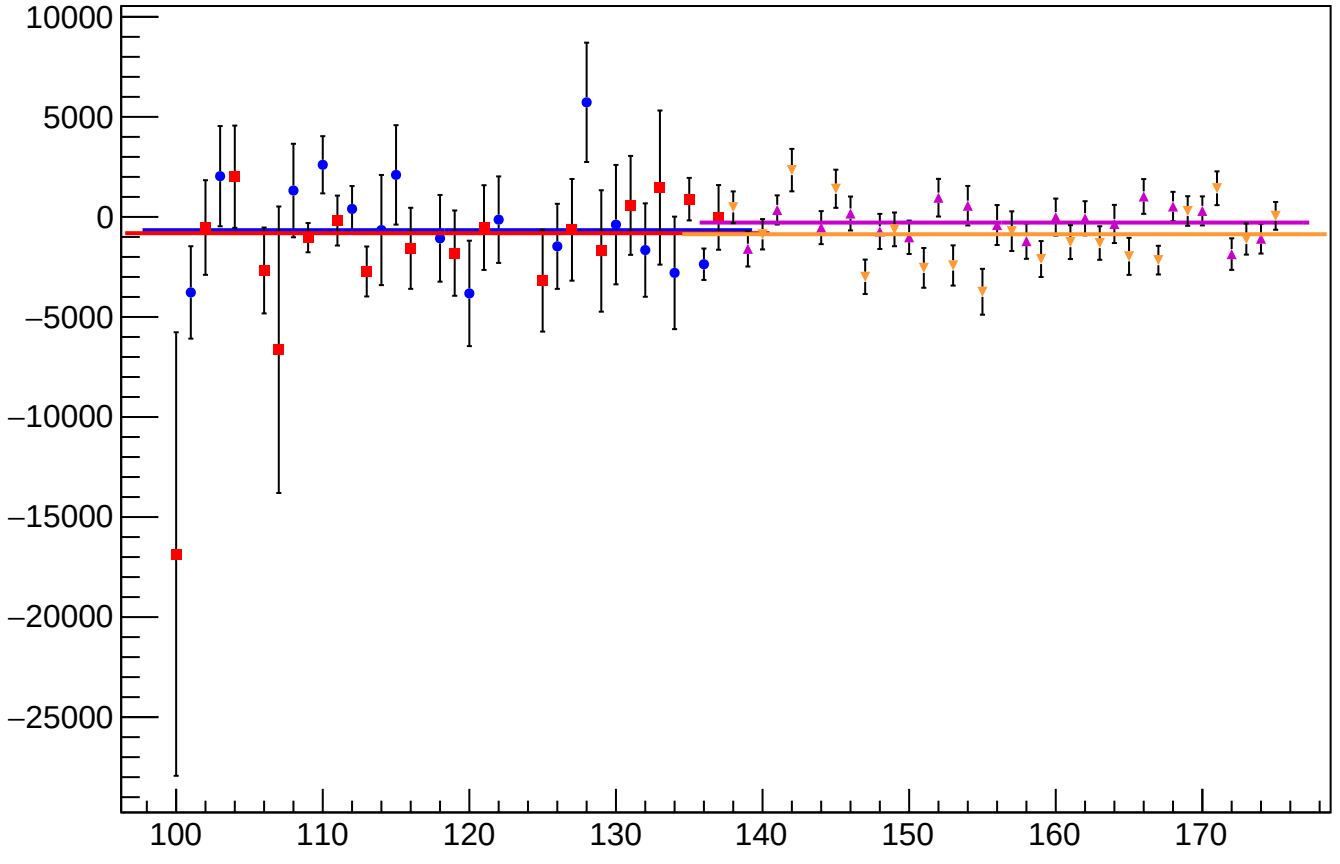
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1785.199+/-0.327 χ^2/NDF:9025.4/17

+ sign 1799.802+/-0.271 χ^2/NDF: 309202.2/34

All: 1800.906+/-0.192 χ^2/NDF: 455046.7/70

- sign 1802.021+/-0.272 χ^2/NDF: 145811.0/35



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -864.287+/-196.134 χ^2/NDF:54.3/18

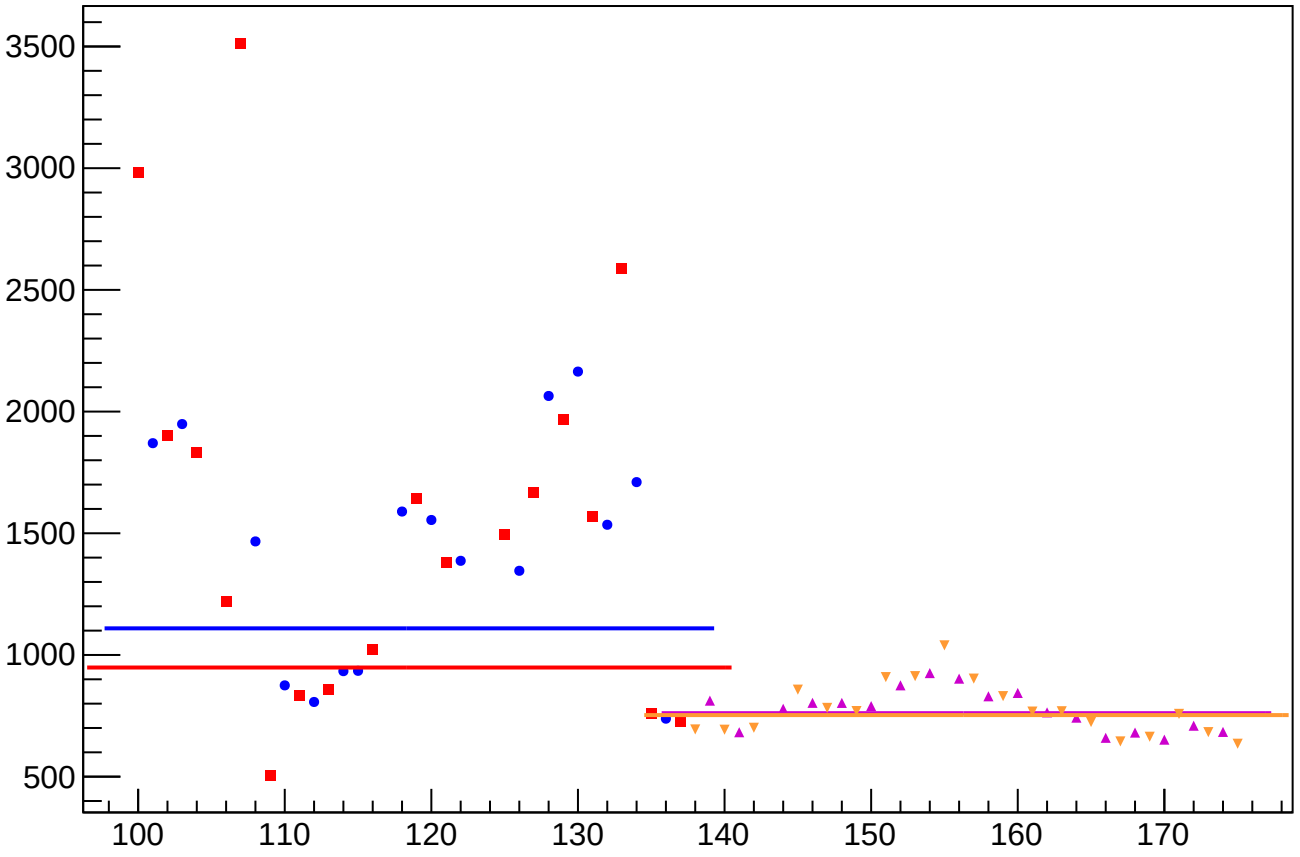
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -282.352+/-198.703 χ^2/NDF:17.4/17

+ sign -831.734+/-179.534 χ^2/NDF: 77.2/34

All: -607.806+/-126.298 χ^2/NDF: 111.3/70

- sign -388.414+/-177.706 χ^2/NDF: 31.0/35



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 752.958+/-0.139 χ^2/NDF:492793.2/18

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

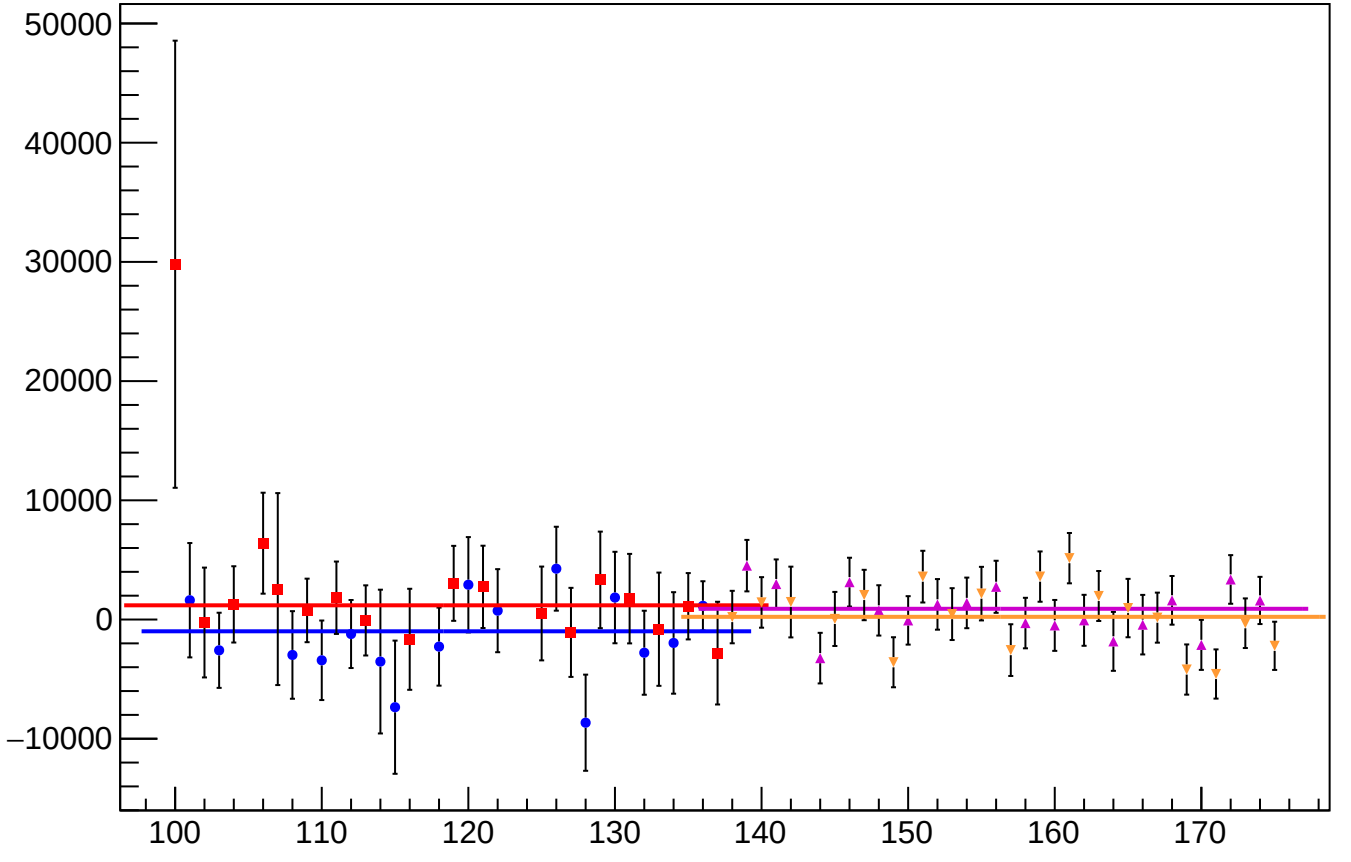
Left In: 760.856+/-0.141 χ^2/NDF:323198.2/17

+ sign 810.735+/-0.127 χ^2/NDF: 3536714.2/34

All: 804.507+/-0.089 χ^2/NDF: 7275125.1/70

- sign 798.406+/-0.126 χ^2/NDF: 3733646.4/35

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 226.040+/-498.240 χ^2/NDF:29.5/18

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

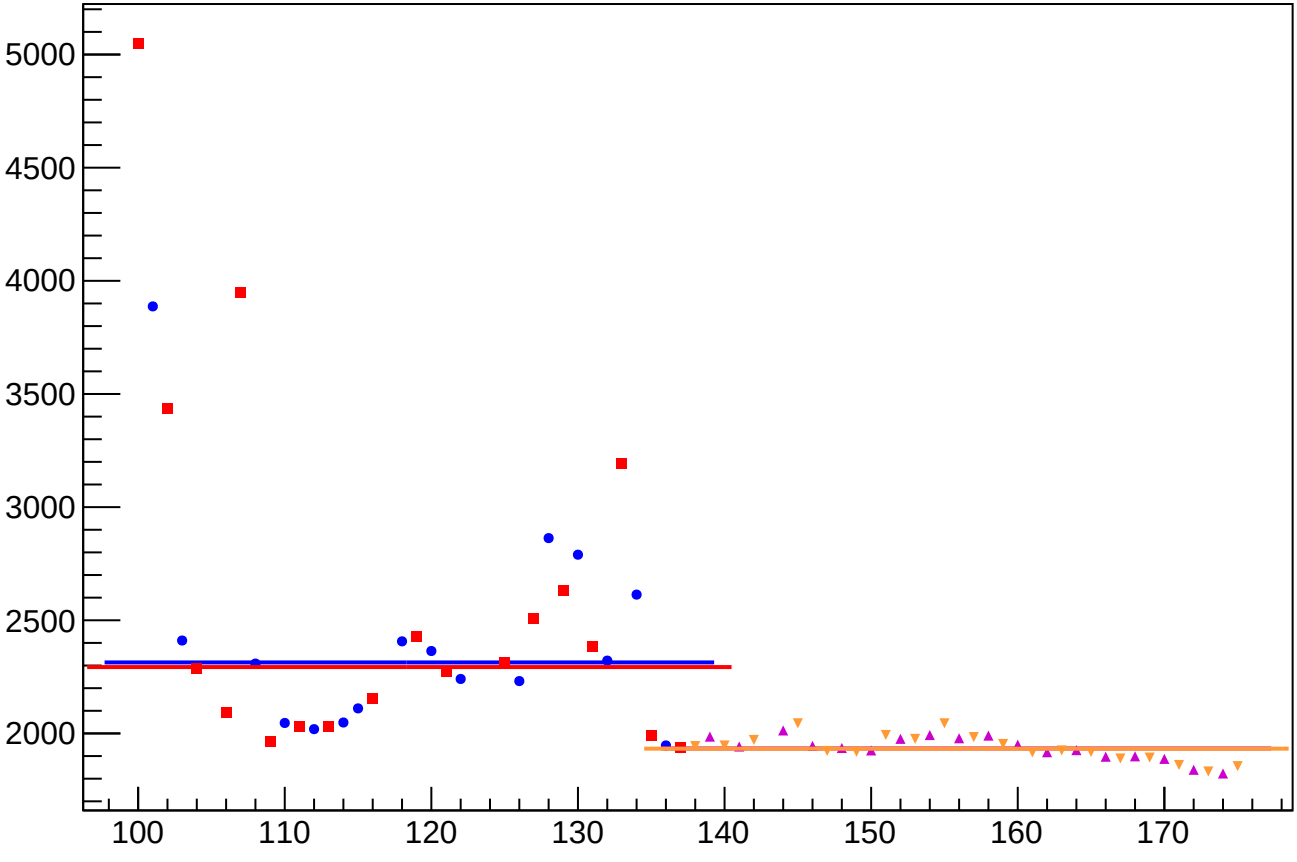
Left In: 900.280+/-501.440 χ^2/NDF:16.1/17

+ sign -71.696+/-432.827 χ^2/NDF: 42.9/34

All: 448.646+/-306.644 χ^2/NDF: 69.0/70

- sign 973.013+/-434.498 χ^2/NDF: 23.1/35

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1932.662+/-0.352 χ^2/NDF:25943.8/18

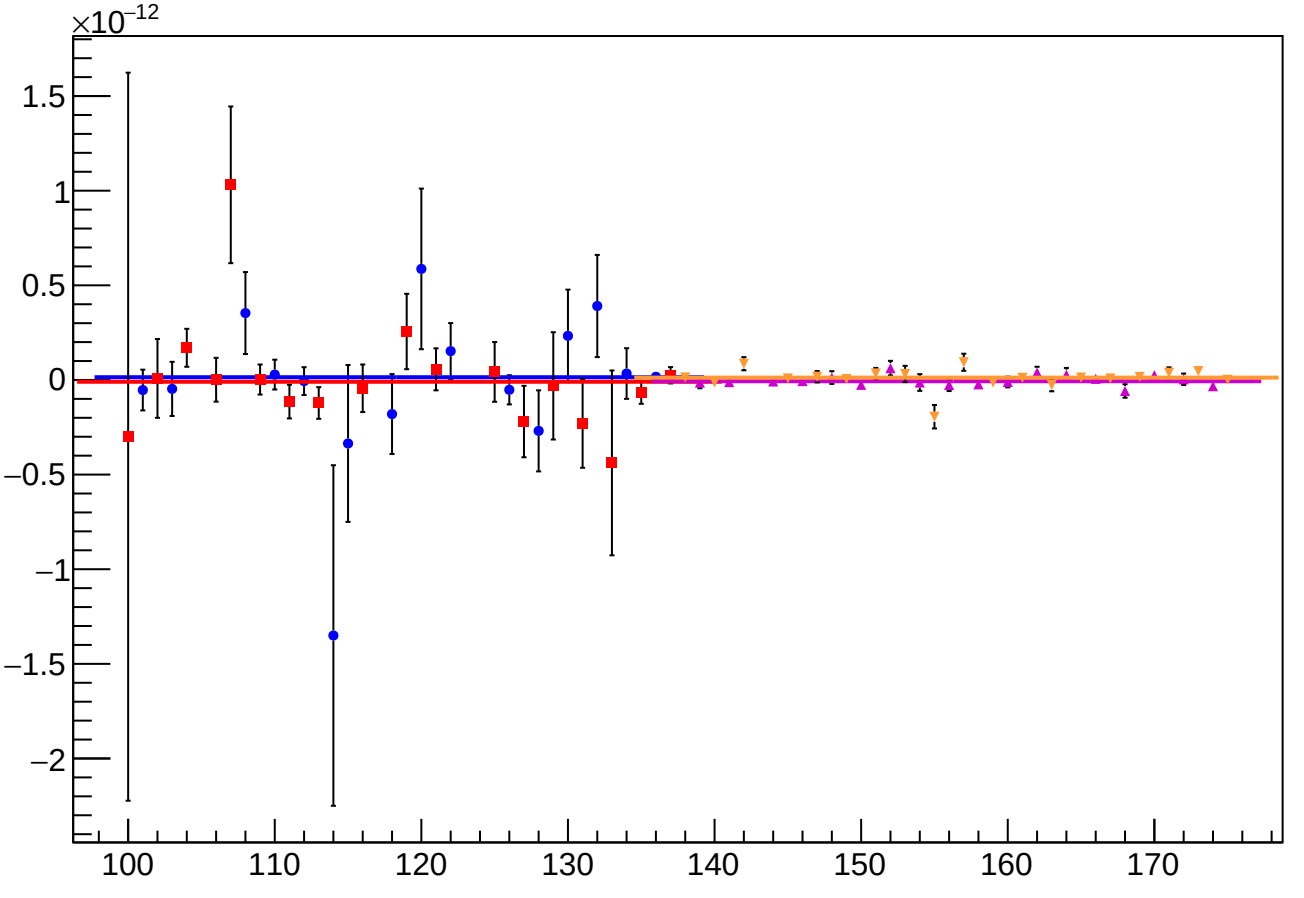
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1933.659+/-0.355 χ^2/NDF:21525.4/17

+ sign 2026.155+/-0.306 χ^2/NDF: 715745.4/34

All: 2024.717+/-0.217 χ^2/NDF: 1446835.3/70

- sign 2023.267+/-0.307 χ^2/NDF: 731045.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.9/18

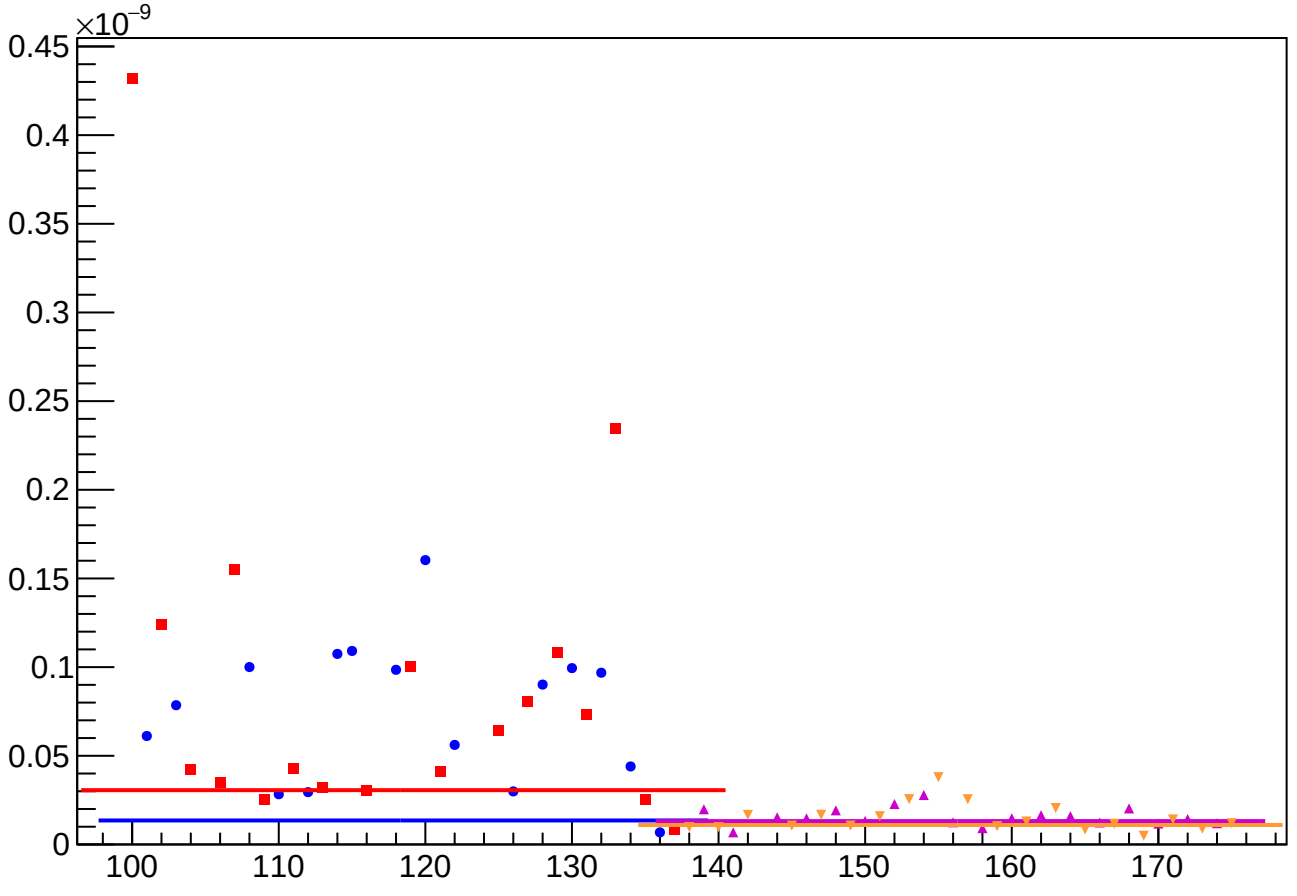
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:14.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 43.9/34

All: 0.000+/-0.000 χ^2/NDF: 84.6/70

- sign -0.000+/-0.000 χ^2/NDF: 34.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1727983.8/18

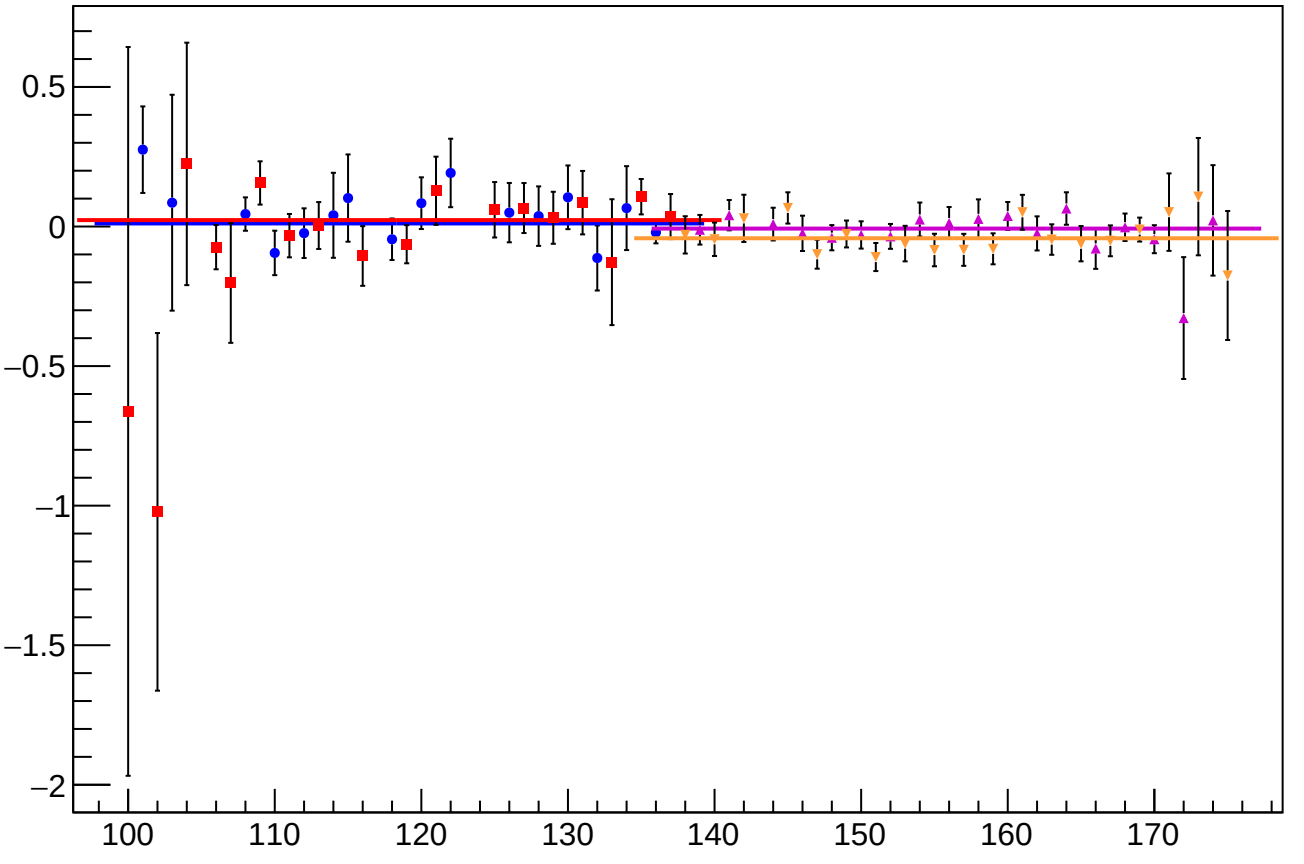
Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1148249.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 5202320.5/34

All: 0.000+/-0.000 χ^2/NDF: 9977711.3/70

- sign 0.000+/-0.000 χ^2/NDF: 4482569.6/35



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.4/18

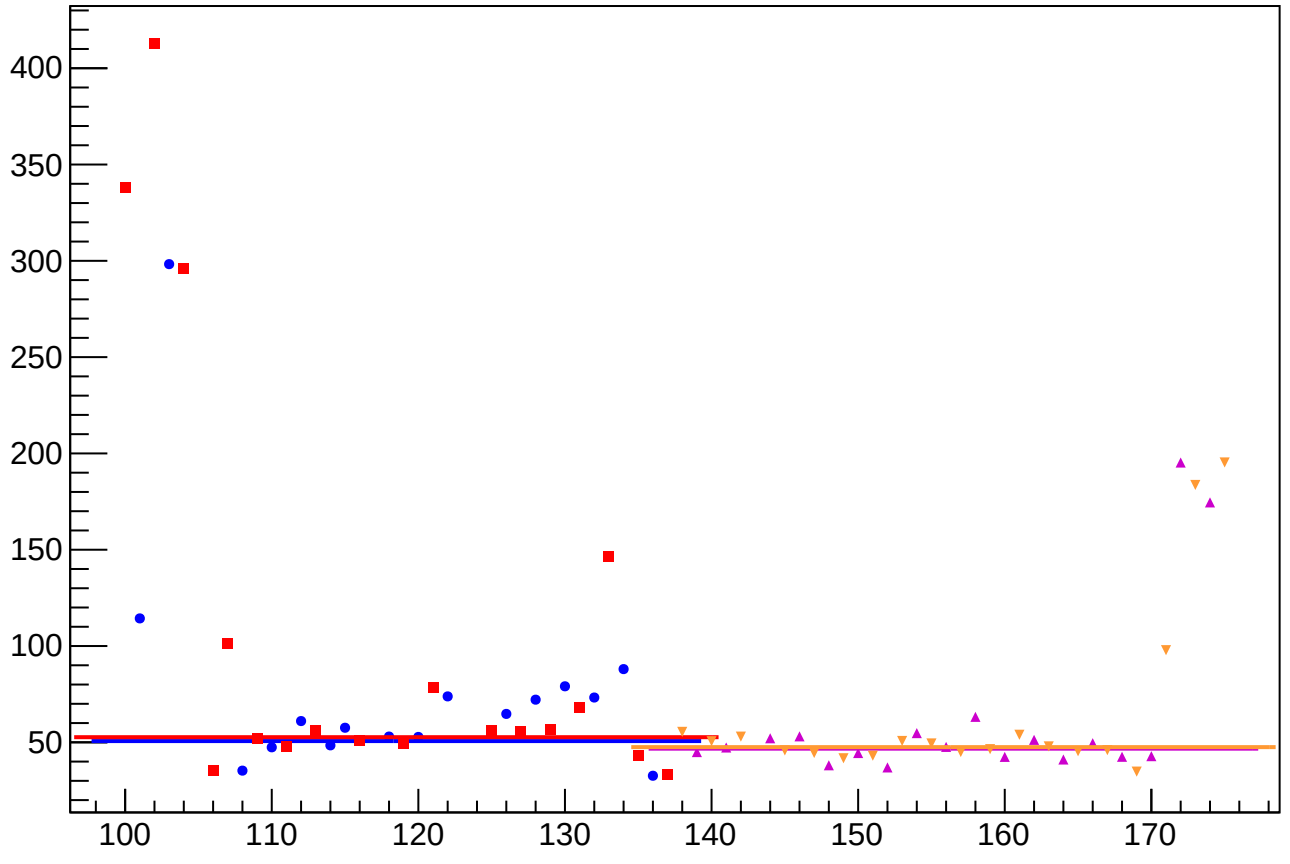
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.007+/-0.014 χ^2/NDF:8.9/17

+ sign -0.027+/-0.012 χ^2/NDF: 29.3/34

All: -0.013+/-0.008 χ^2/NDF: 58.1/70

- sign 0.000+/-0.012 χ^2/NDF: 26.1/35



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.503+/-0.010 χ^2/NDF:2228326.2/18

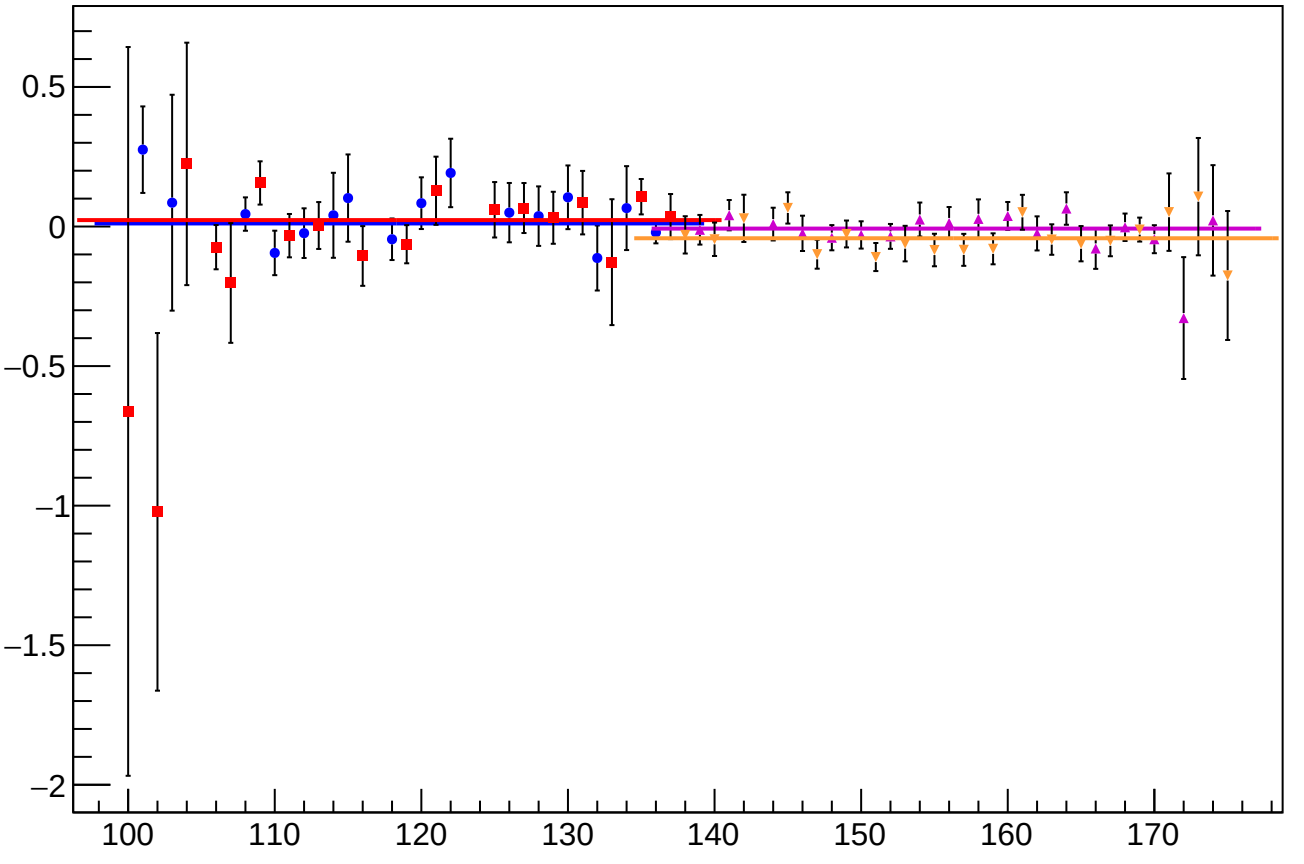
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.711+/-0.010 χ^2/NDF:2196174.2/17

+ sign 48.412+/-0.008 χ^2/NDF: 4524104.0/34

All: 48.324+/-0.006 χ^2/NDF: 9031208.5/70

- sign 48.237+/-0.008 χ^2/NDF: 4506880.8/35



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.4/18

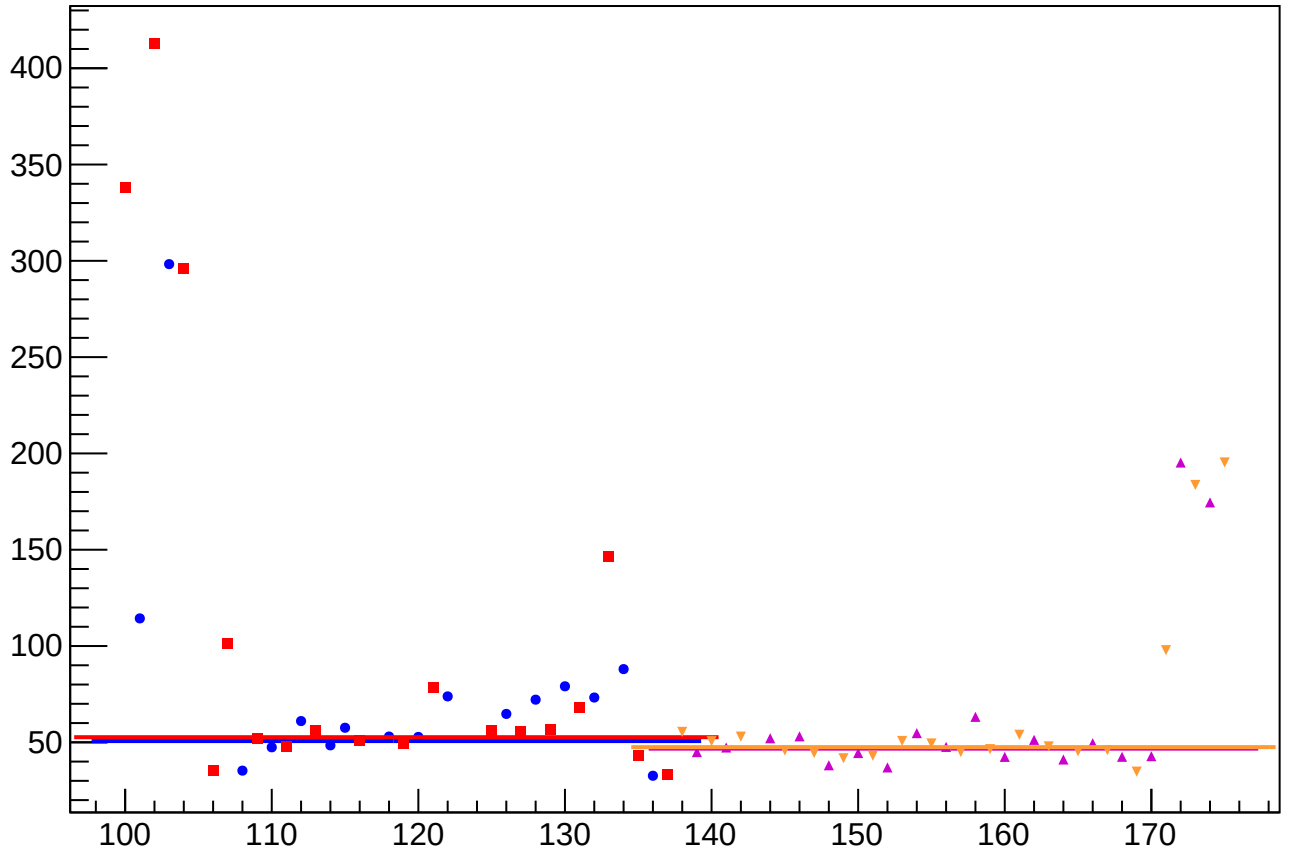
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.007+/-0.014 χ^2/NDF:8.9/17

+ sign -0.027+/-0.012 χ^2/NDF: 29.3/34

All: -0.013+/-0.008 χ^2/NDF: 58.1/70

- sign 0.000+/-0.012 χ^2/NDF: 26.1/35



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.503+/-0.010 χ^2/NDF:2228326.2/18

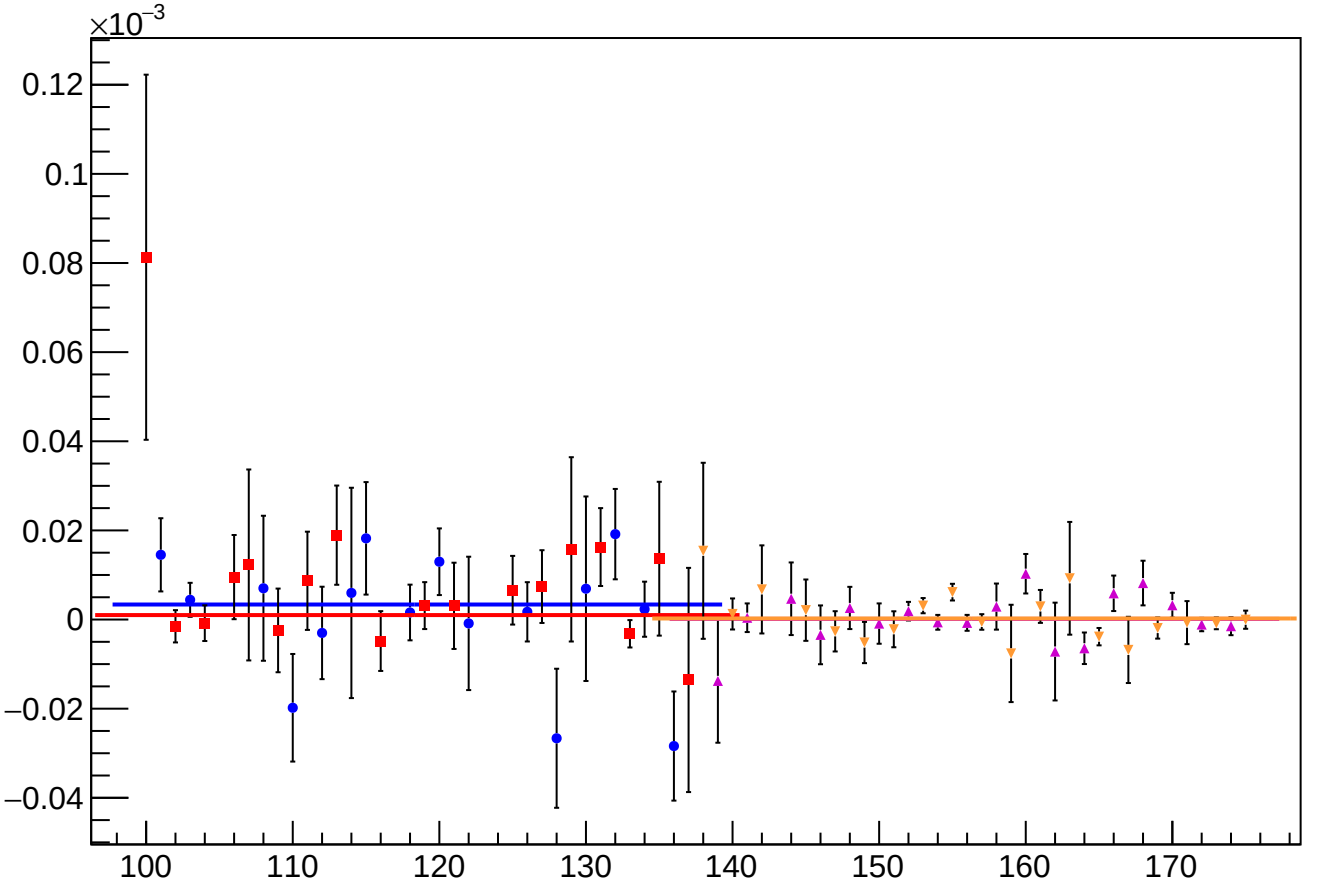
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.711+/-0.010 χ^2/NDF:2196174.2/17

+ sign 48.412+/-0.008 χ^2/NDF: 4524104.0/34

All: 48.324+/-0.006 χ^2/NDF: 9031208.5/70

- sign 48.237+/-0.008 χ^2/NDF: 4506880.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/18

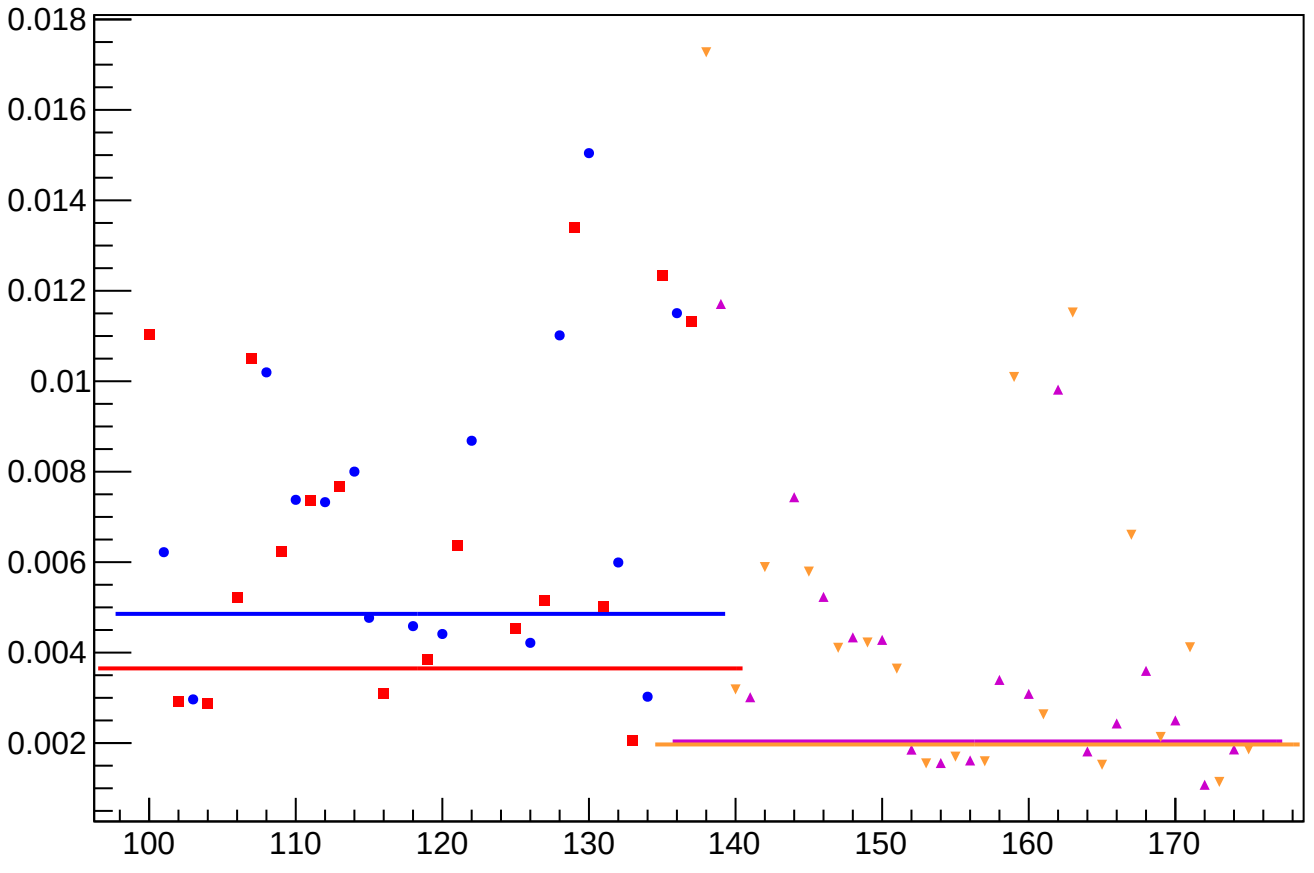
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:19.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 49.0/34

All: 0.000+/-0.000 χ^2/NDF: 86.3/70

- sign 0.000+/-0.000 χ^2/NDF: 37.2/35



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:8280446.2/18

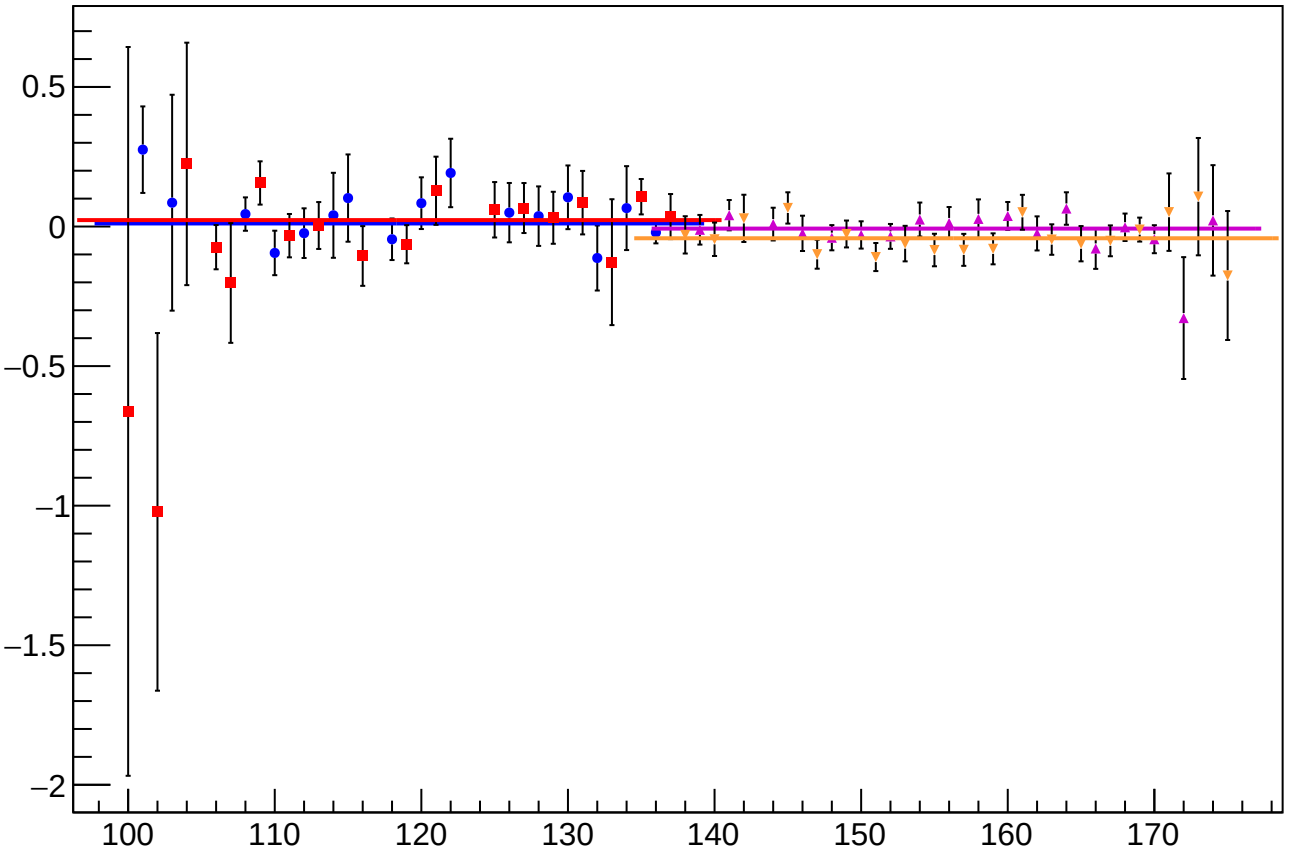
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:6120248.3/17

+ sign 0.002+/-0.000 χ^2/NDF: 14567871.6/34

All: 0.002+/-0.000 χ^2/NDF: 25612925.3/70

- sign 0.002+/-0.000 χ^2/NDF: 11026778.8/35



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.4/18

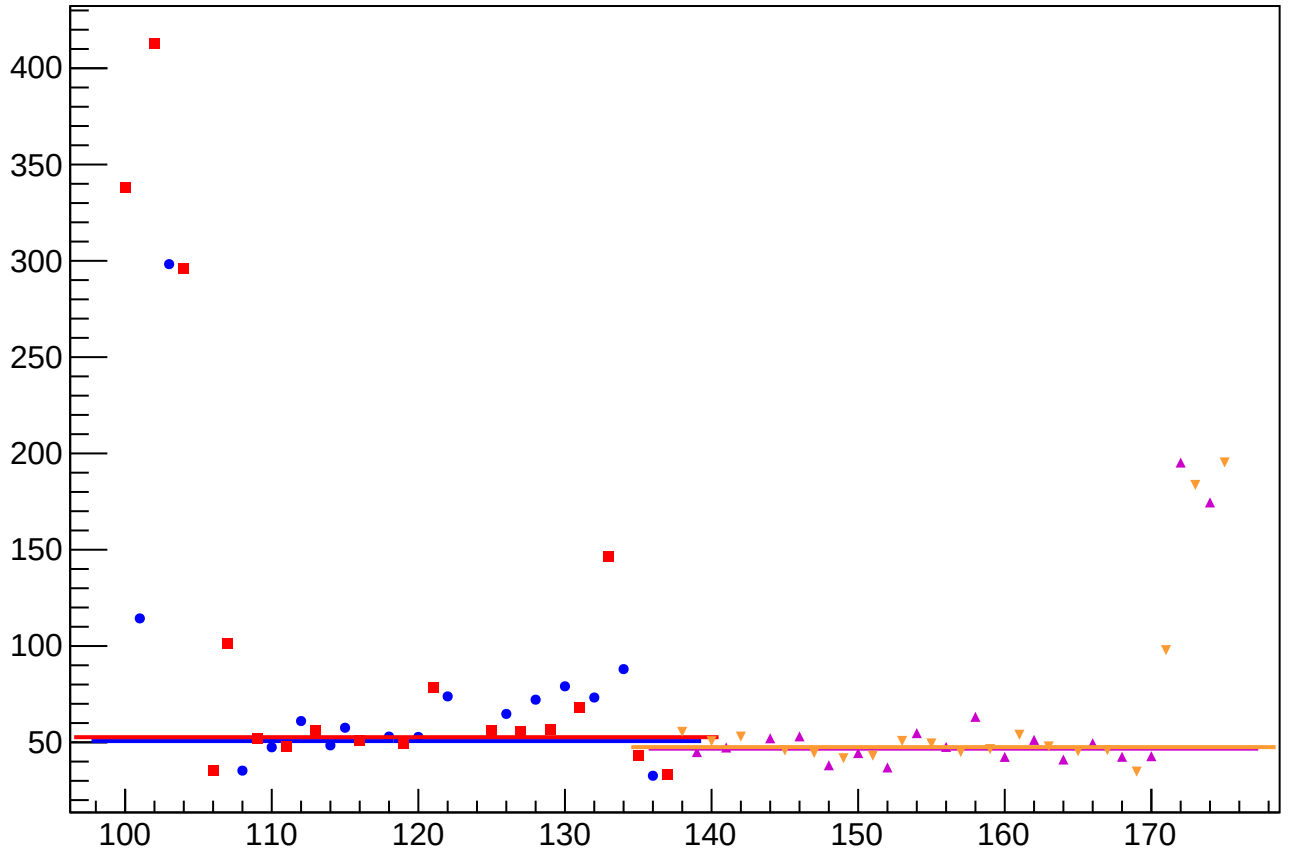
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.007+/-0.014 χ^2/NDF:8.9/17

+ sign -0.027+/-0.012 χ^2/NDF: 29.3/34

All: -0.013+/-0.008 χ^2/NDF: 58.1/70

- sign 0.000+/-0.012 χ^2/NDF: 26.1/35



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.503+/-0.010 χ^2/NDF:2228343.2/18

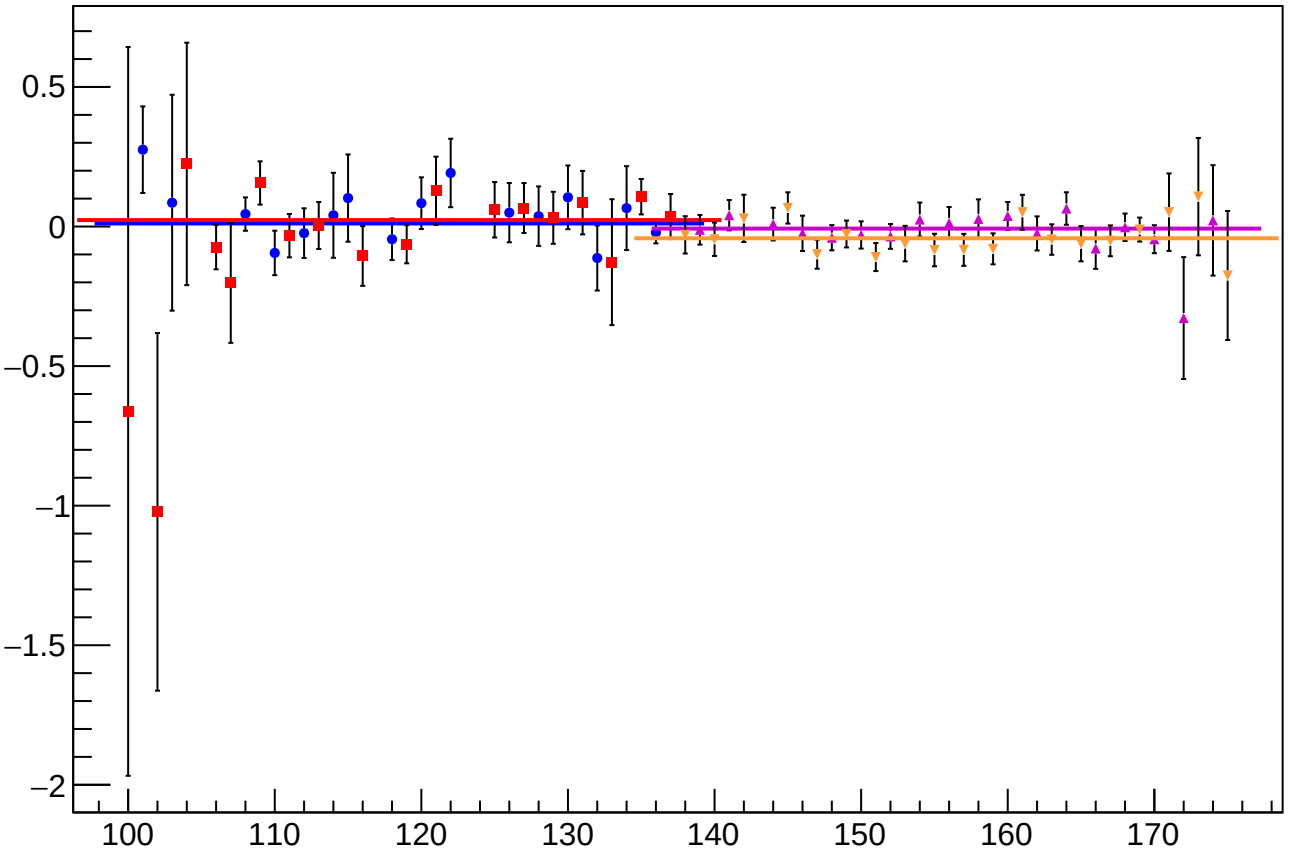
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.711+/-0.010 χ^2/NDF:2196116.0/17

\+ sign 48.412+/-0.008 χ^2/NDF: 4524038.6/34

All: 48.324+/-0.006 χ^2/NDF: 9030984.5/70

\- sign 48.237+/-0.008 χ^2/NDF: 4506723.5/35



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.4/18

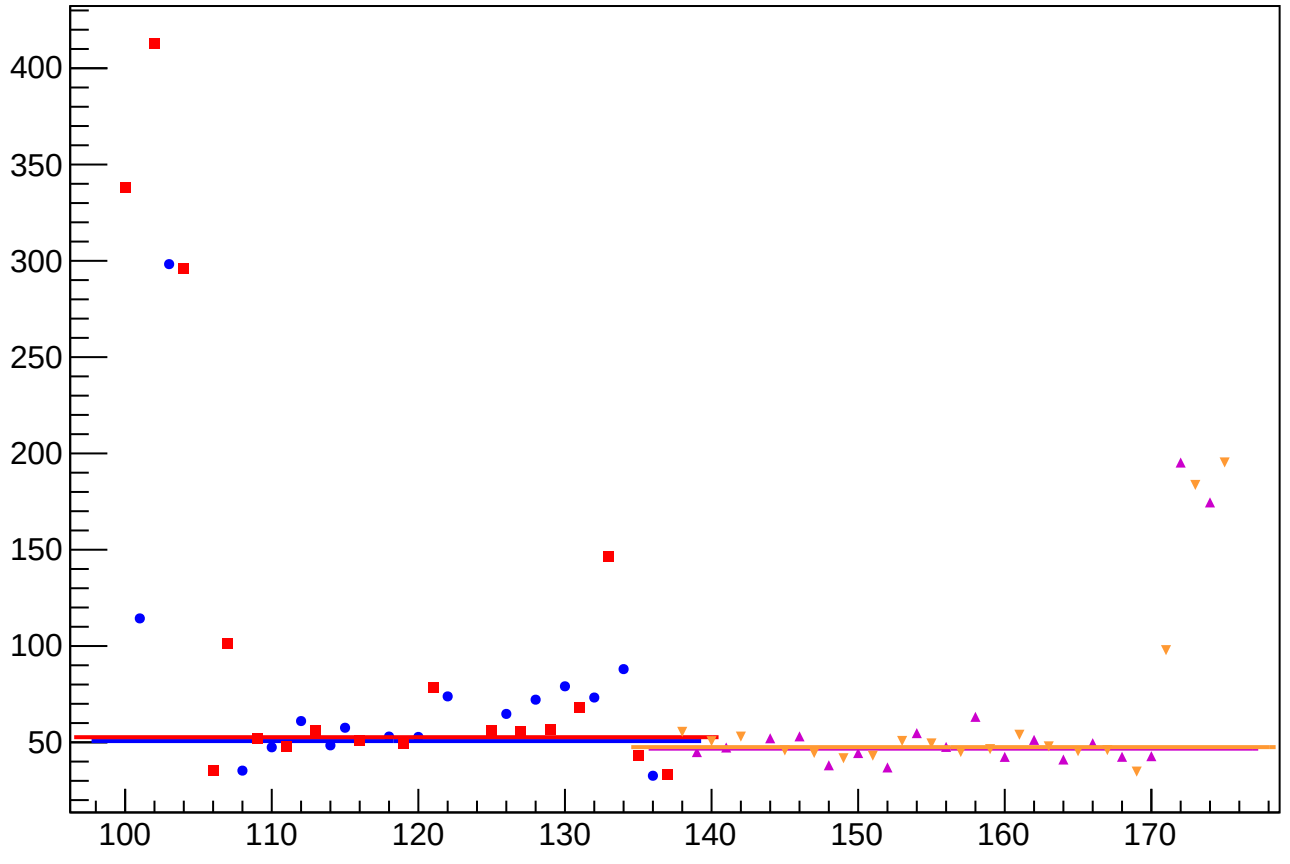
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.007+/-0.014 χ^2/NDF:8.9/17

+ sign -0.027+/-0.012 χ^2/NDF: 29.3/34

All: -0.013+/-0.008 χ^2/NDF: 58.1/70

- sign 0.000+/-0.012 χ^2/NDF: 26.1/35



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.503+/-0.010 χ^2/NDF:2228343.2/18

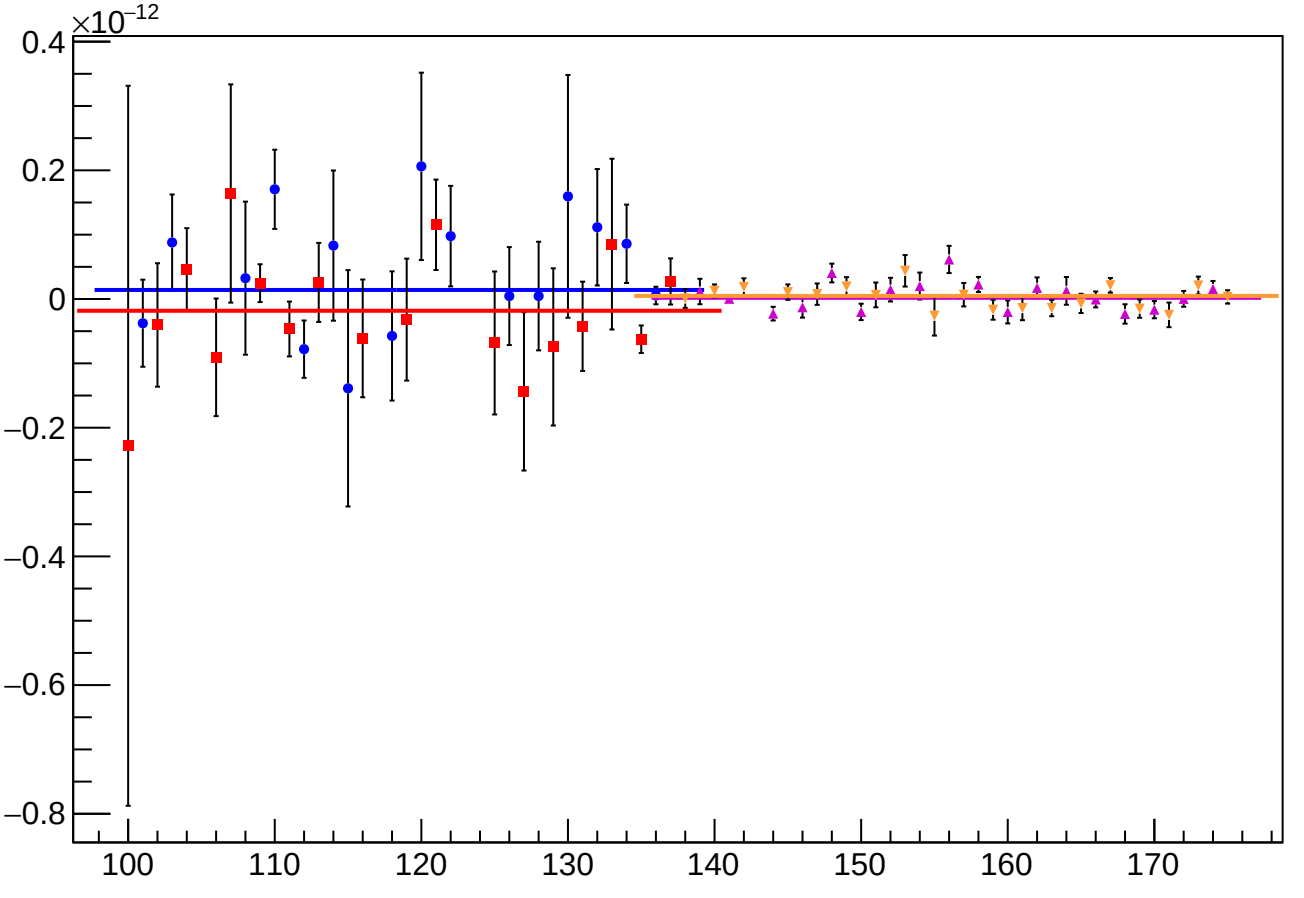
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.711+/-0.010 χ^2/NDF:2196116.0/17

\+ sign 48.412+/-0.008 χ^2/NDF: 4524038.6/34

All: 48.324+/-0.006 χ^2/NDF: 9030984.5/70

\- sign 48.237+/-0.008 χ^2/NDF: 4506723.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/18

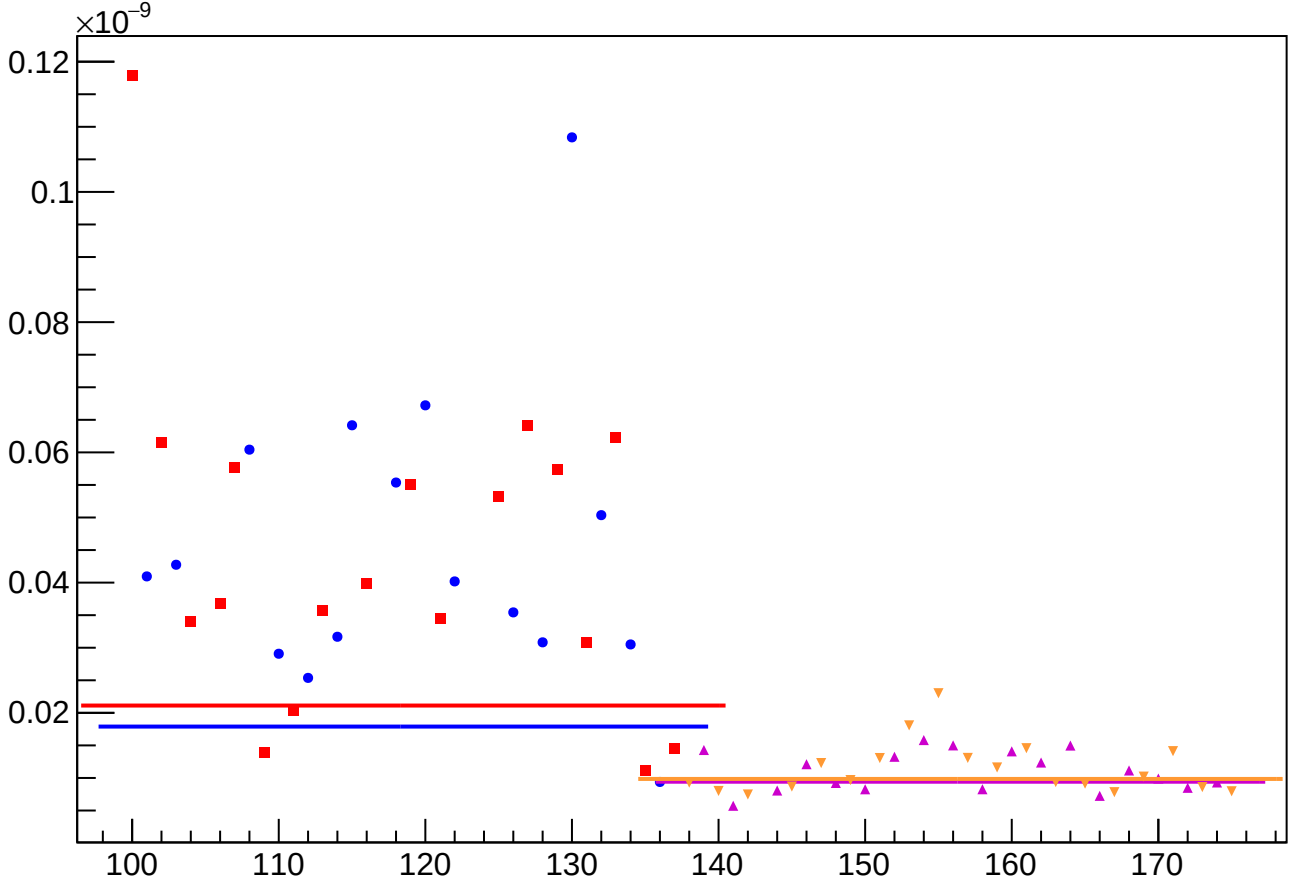
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:37.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/34

All: 0.000+/-0.000 χ^2/NDF: 100.1/70

- sign 0.000+/-0.000 χ^2/NDF: 57.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1310881.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

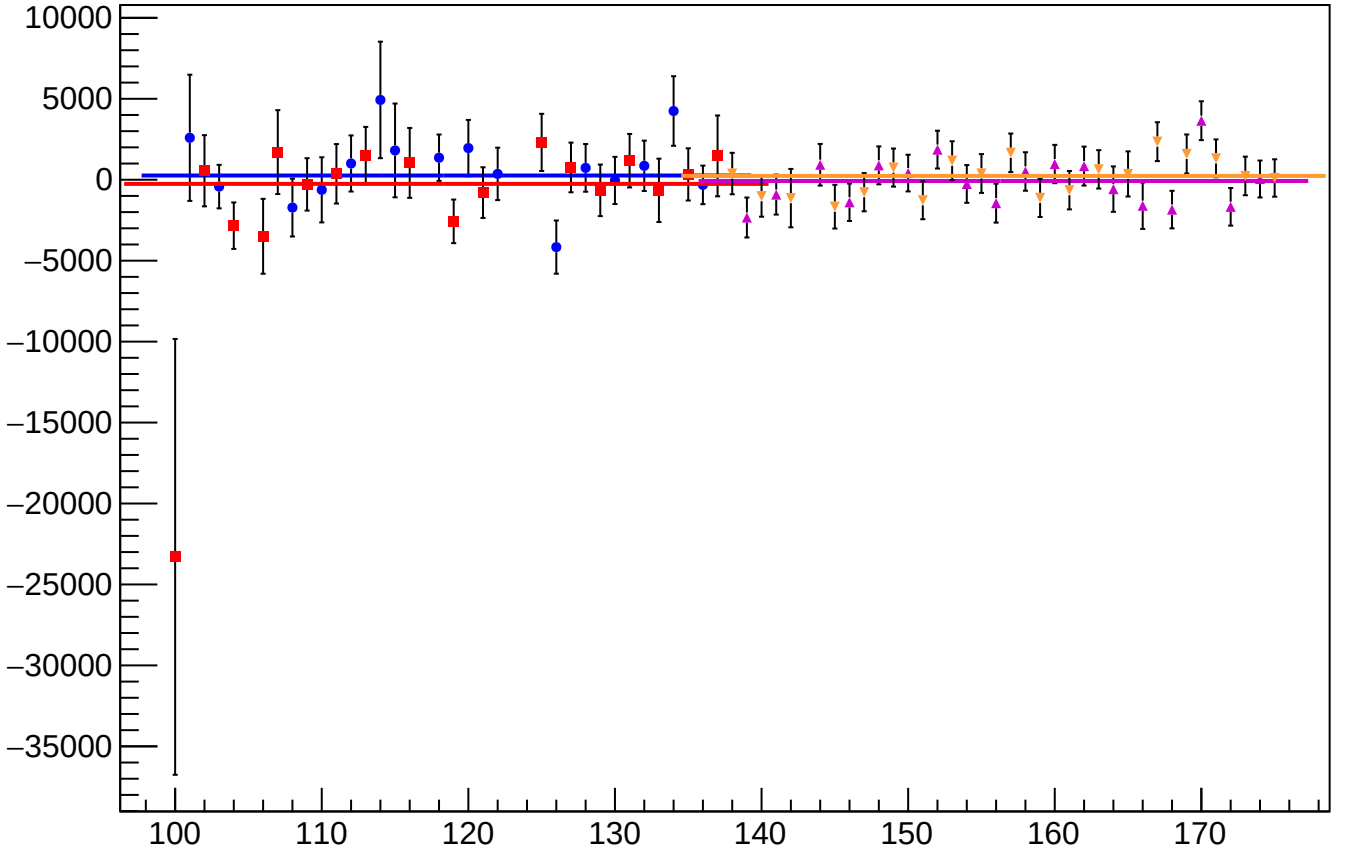
Left In: 0.000+/-0.000 χ^2/NDF:1540047.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 5638918.6/34

All: 0.000+/-0.000 χ^2/NDF: 11444667.6/70

- sign 0.000+/-0.000 χ^2/NDF: 5794852.6/35

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 236.574+/-282.032 χ^2/NDF:15.4/18

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

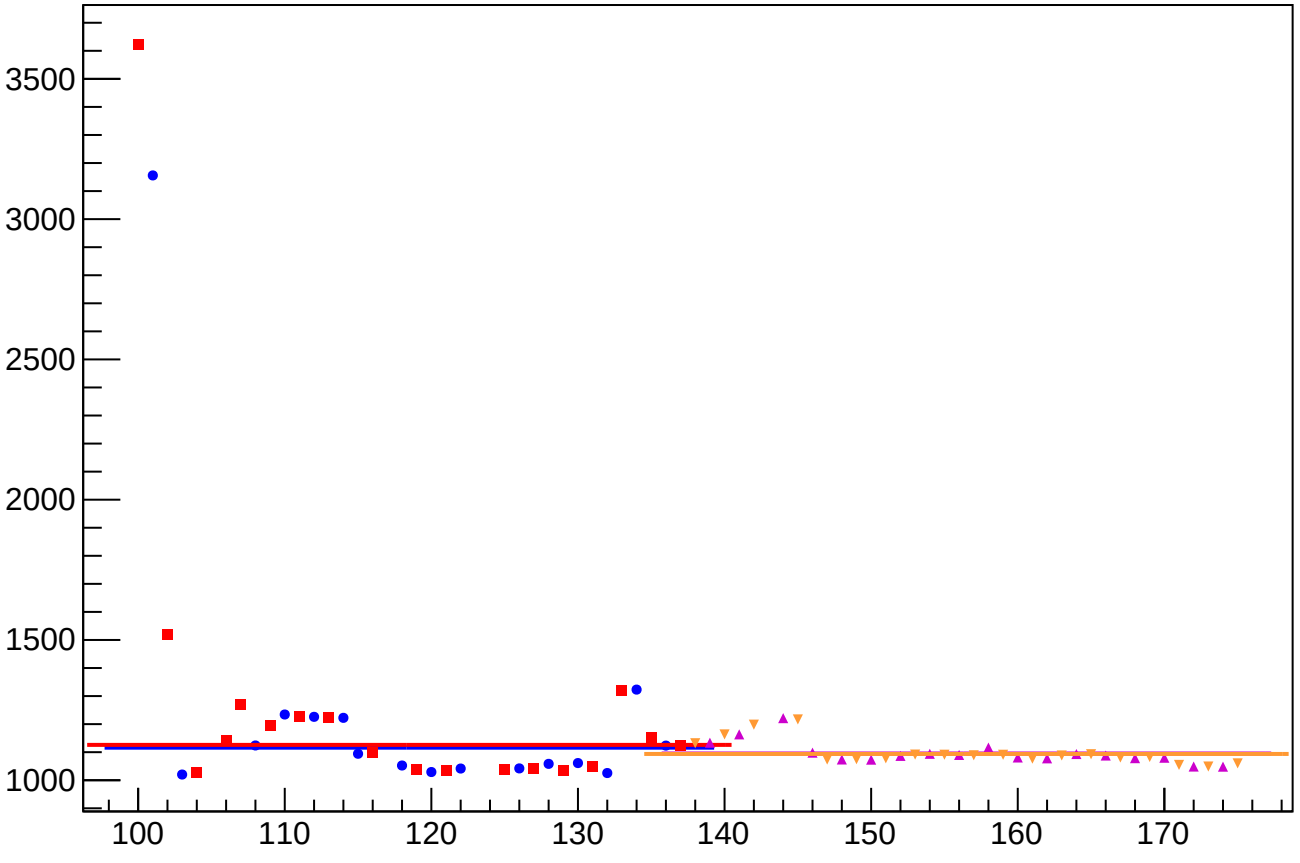
Left In: -77.442+/-284.122 χ^2/NDF:27.3/17

+ sign 243.988+/-234.938 χ^2/NDF: 32.4/34

All: 56.893+/-166.618 χ^2/NDF: 78.5/70

- sign -132.434+/-236.336 χ^2/NDF: 44.8/35

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1093.712+/-0.199 χ^2/NDF:40183.9/18

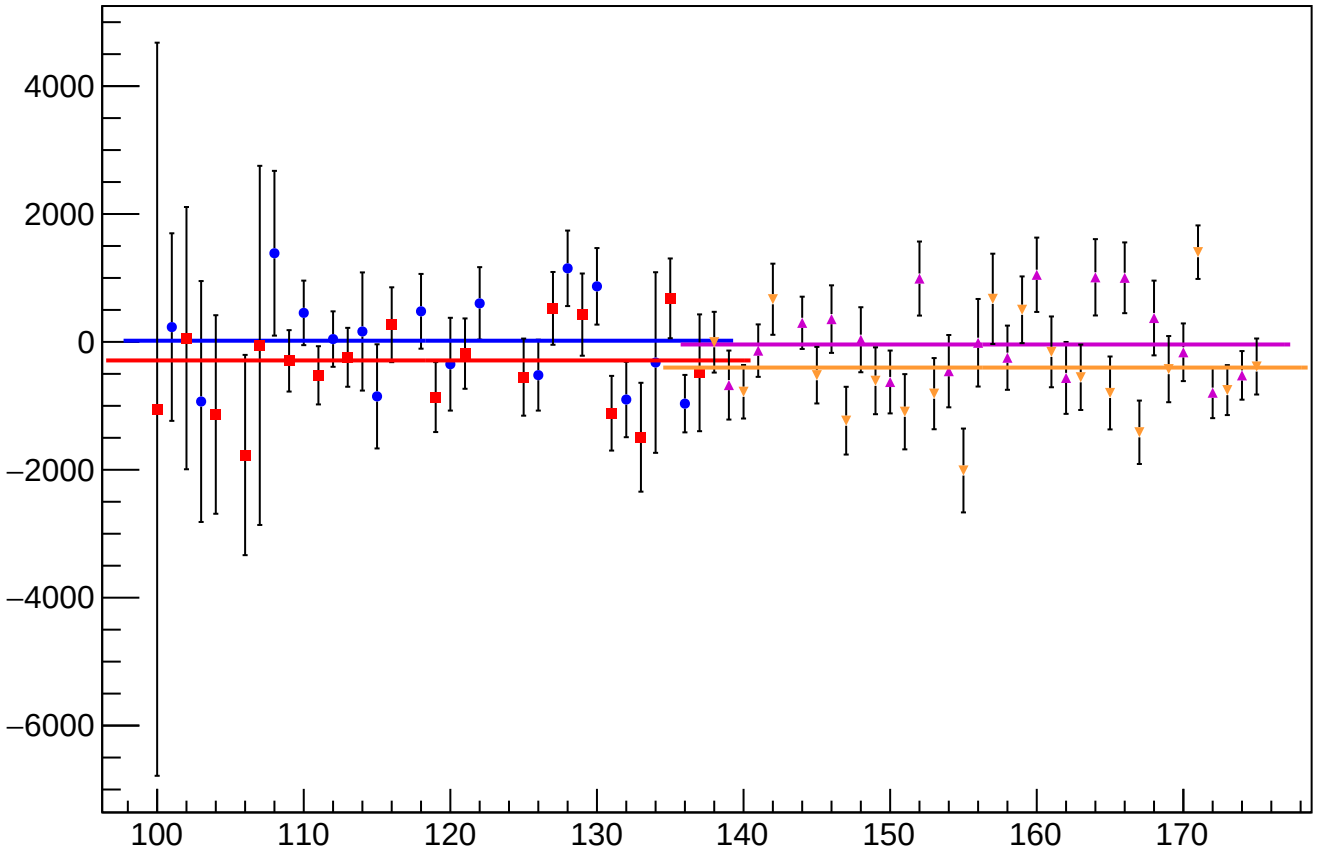
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1095.357+/-0.201 χ^2/NDF:37441.0/17

+ sign 1100.561+/-0.166 χ^2/NDF: 667428.6/34

All: 1102.669+/-0.118 χ^2/NDF: 934474.2/70

- sign 1104.803+/-0.167 χ^2/NDF: 266721.5/35



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -401.334+/-115.256 χ^2/NDF:45.5/18

Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

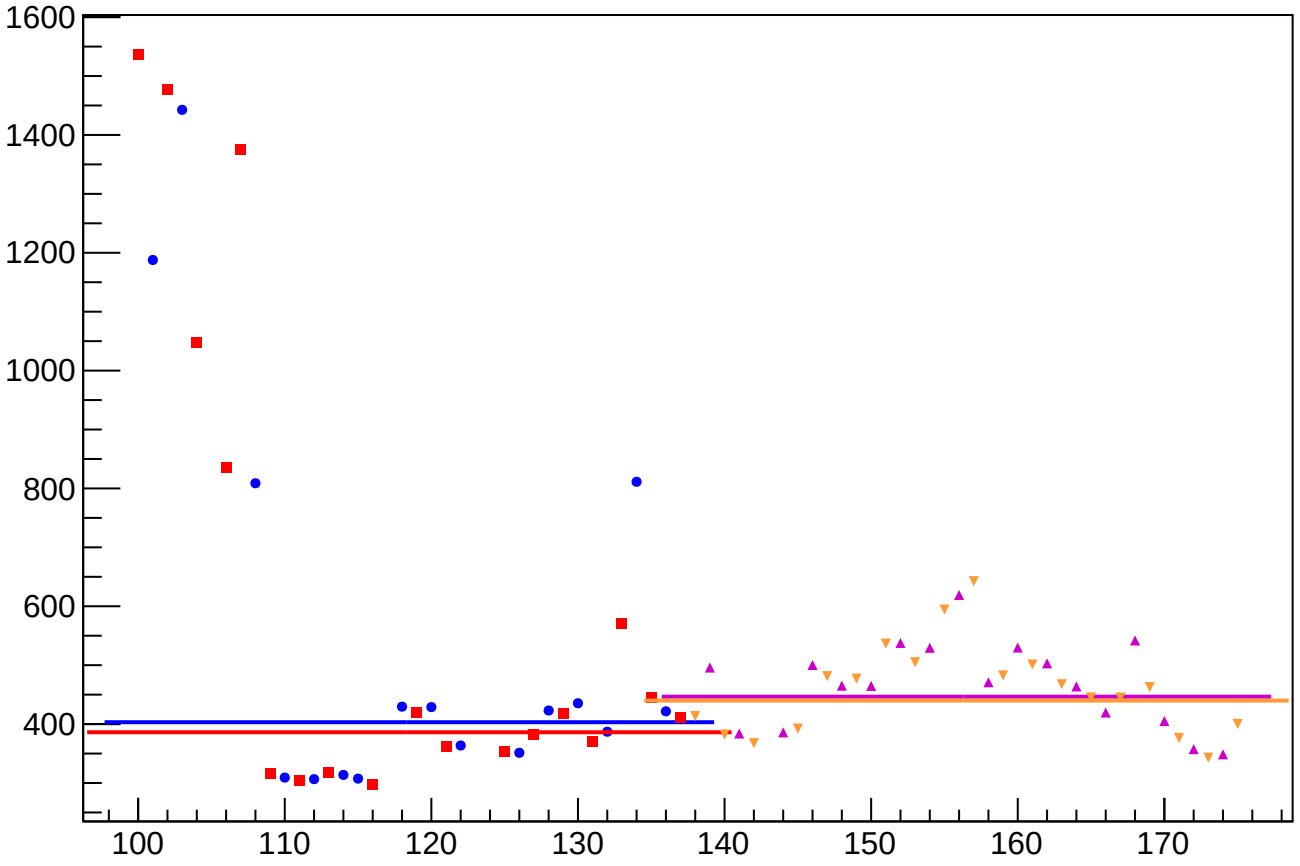
Left In: -40.422+/-117.498 χ^2/NDF:24.8/17

+ sign -259.367+/-93.764 χ^2/NDF: 69.2/34

All: -195.074+/-66.348 χ^2/NDF: 110.1/70

- sign -130.600+/-93.896 χ^2/NDF: 39.9/35

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: 439.879+/-0.081 χ^2/NDF:713870.1/18

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

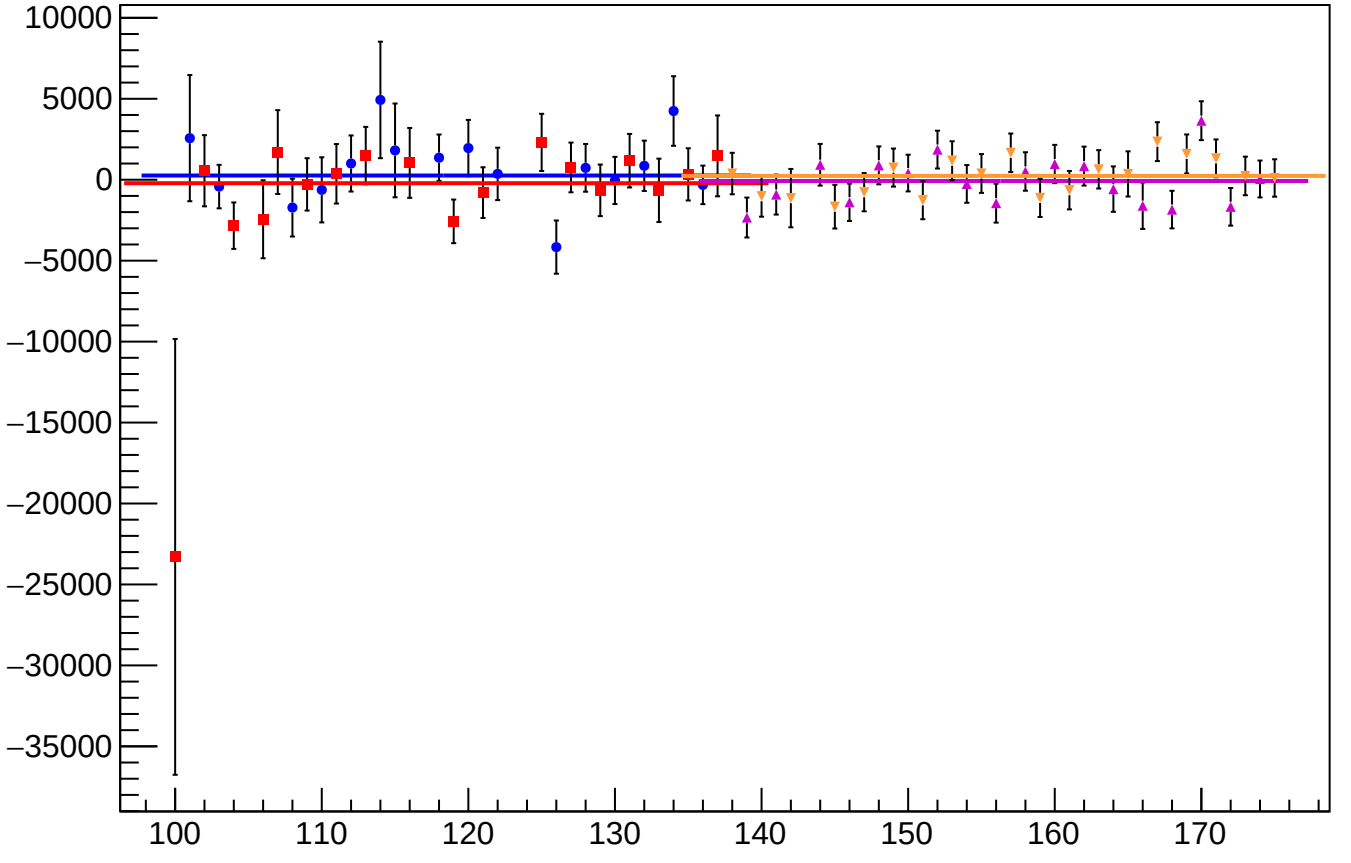
Left In: 446.530+/-0.083 χ^2/NDF:728551.0/17

+ sign 427.473+/-0.066 χ^2/NDF: 2590823.3/34

All: 426.092+/-0.047 χ^2/NDF: 5270257.2/70

- sign 424.707+/-0.066 χ^2/NDF: 2678565.0/35

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 236.558+/-282.032 χ^2/NDF:15.4/18

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

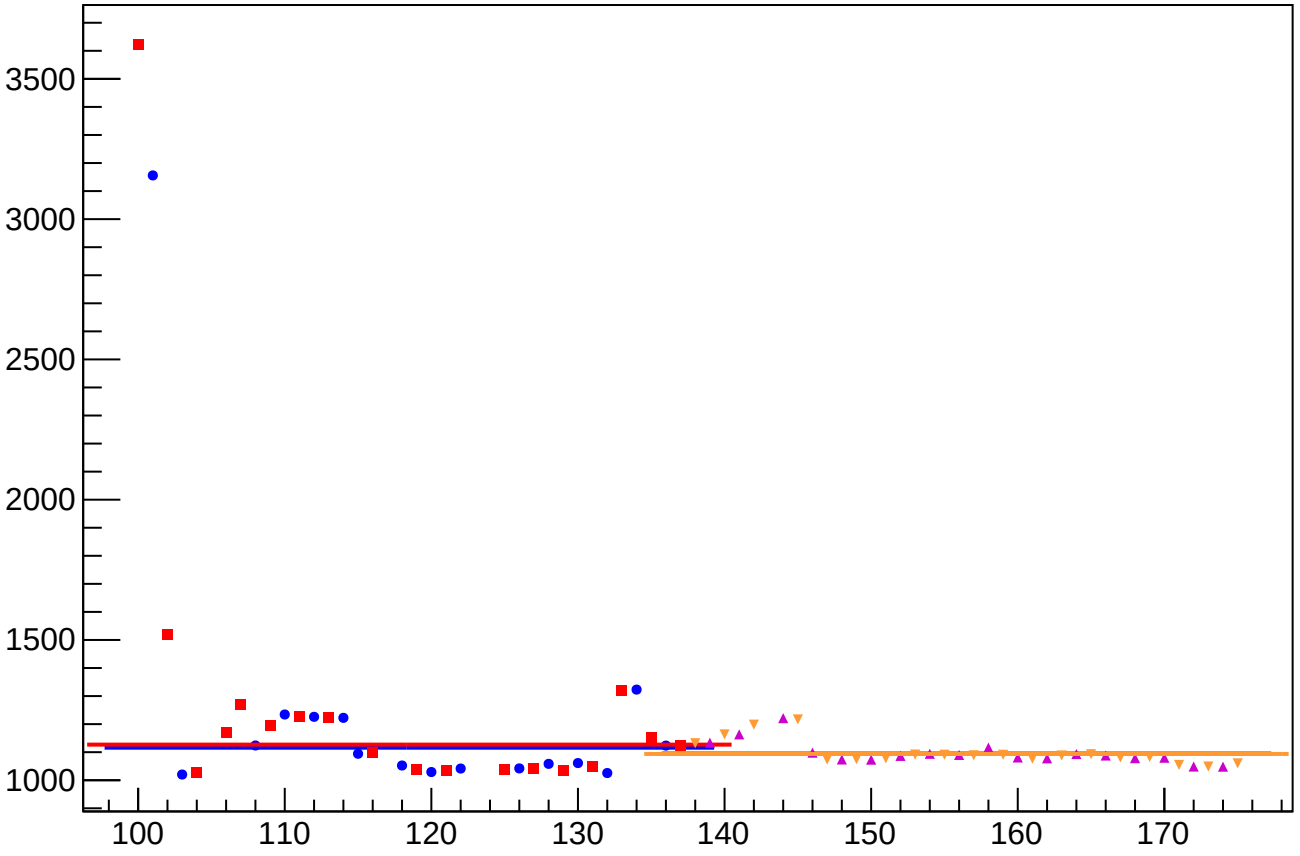
Left In: -77.438+/-284.122 χ^2/NDF:27.3/17

+ sign 243.860+/-234.938 χ^2/NDF: 32.4/34

All: 63.286+/-166.652 χ^2/NDF: 77.2/70

- sign -119.589+/-236.431 χ^2/NDF: 43.7/35

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1093.712+/-0.199 χ^2/NDF:40183.9/18

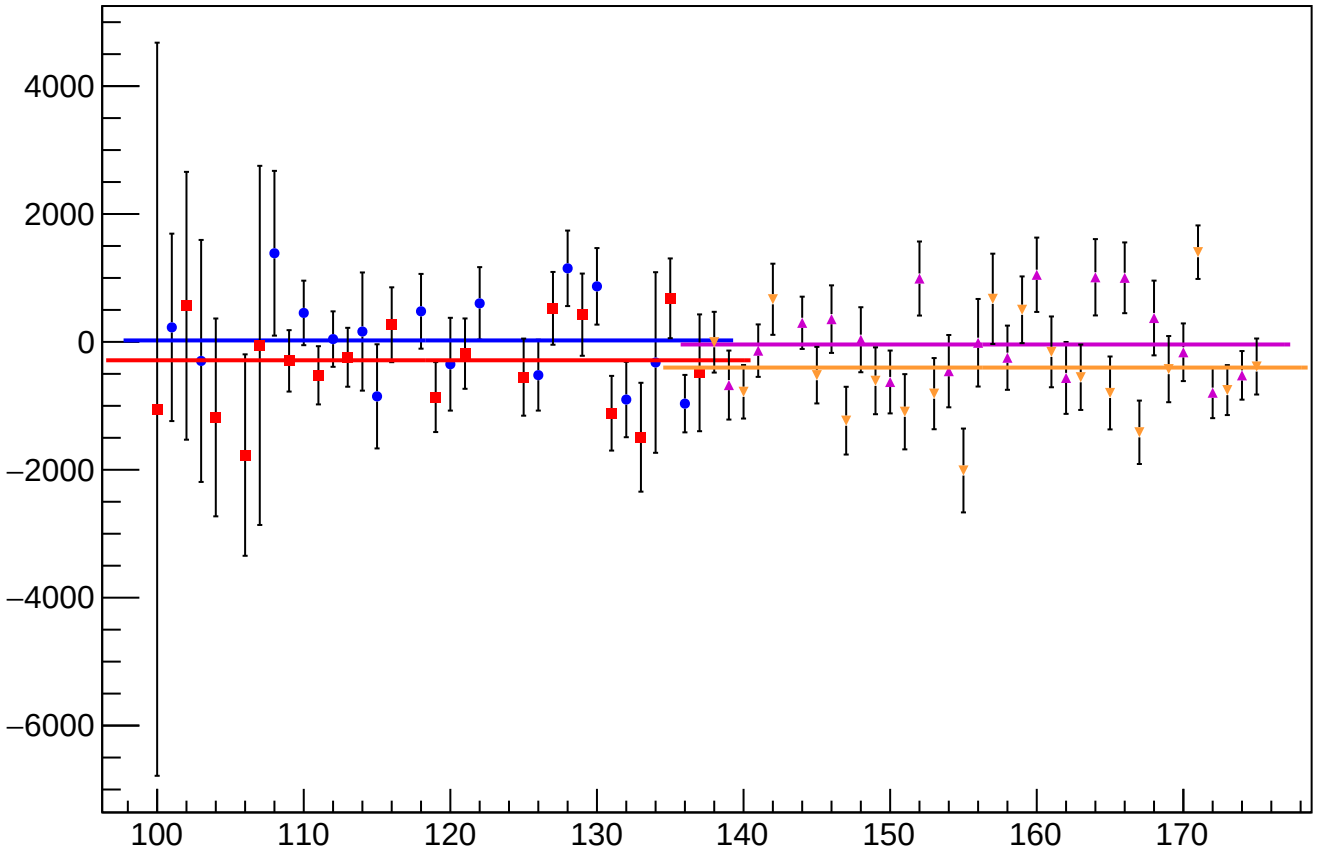
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1095.357+/-0.201 χ^2/NDF:37441.0/17

+ sign 1100.561+/-0.166 χ^2/NDF: 667429.6/34

All: 1102.804+/-0.118 χ^2/NDF: 935587.5/70

- sign 1105.076+/-0.167 χ^2/NDF: 267790.9/35



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -401.389+/-115.256 χ^2/NDF:45.5/18

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

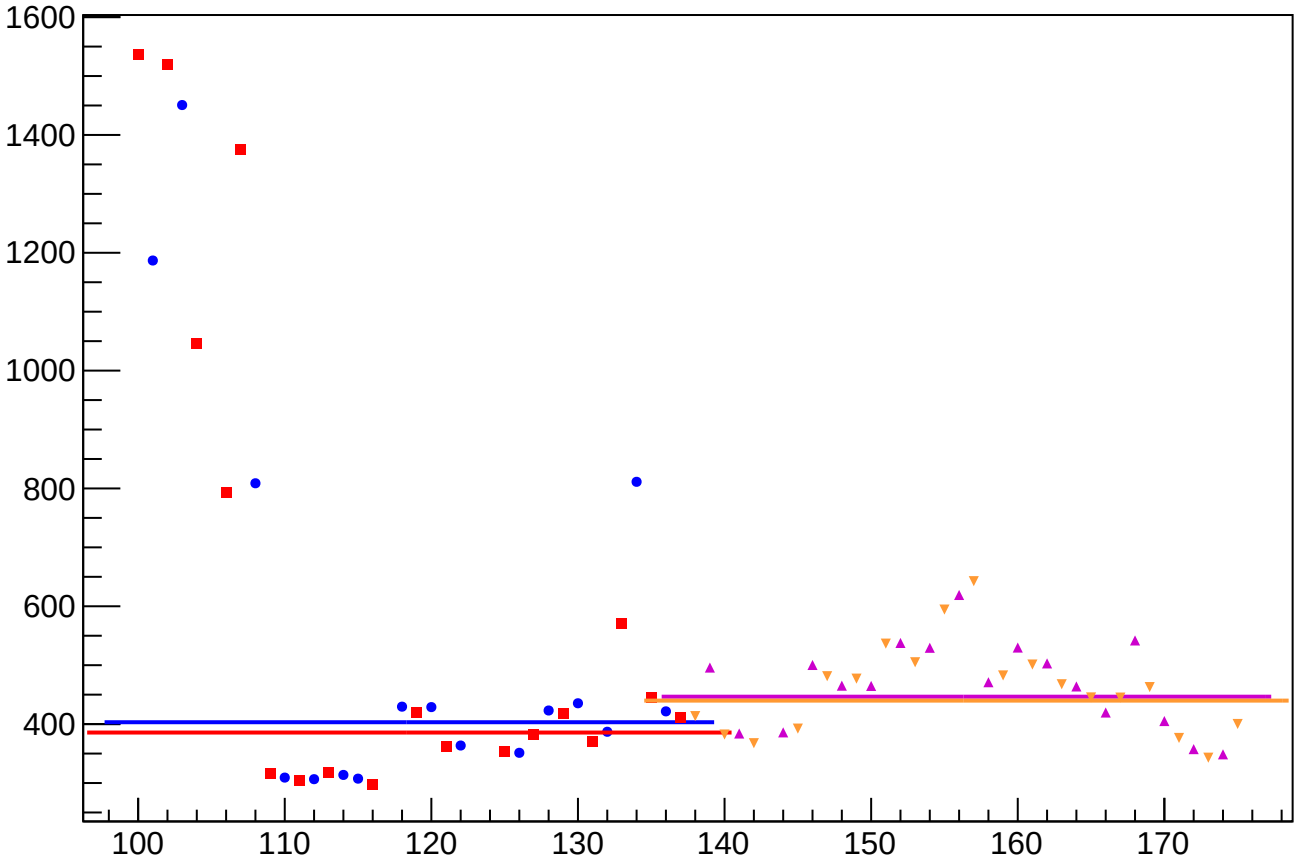
Left In: -40.416+/-117.499 χ^2/NDF:24.8/17

+ sign -257.900+/-93.764 χ^2/NDF: 69.0/34

All: -193.912+/-66.349 χ^2/NDF: 110.0/70

- sign -129.737+/-93.901 χ^2/NDF: 40.1/35

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 439.875+/-0.081 χ^2/NDF:713938.7/18

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

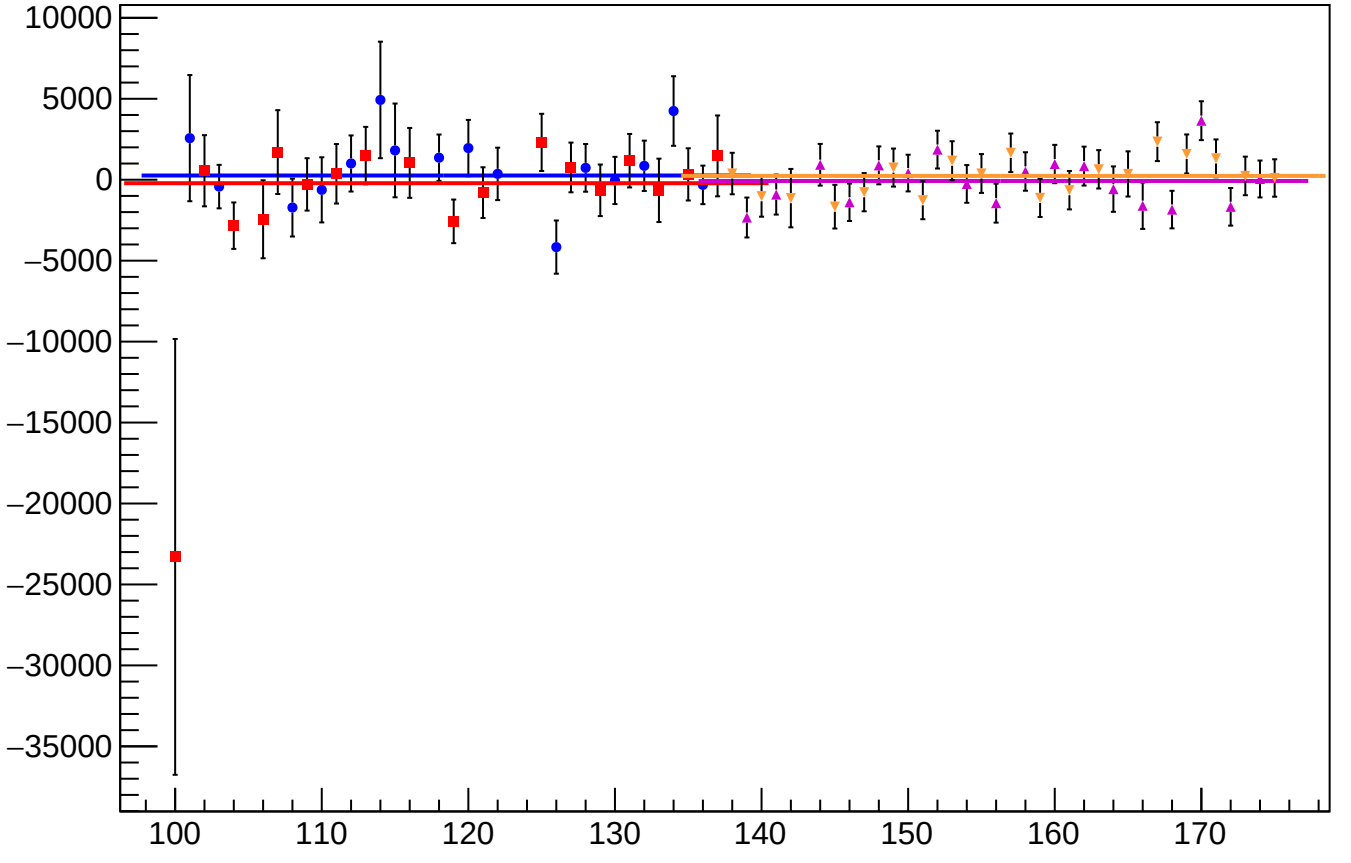
Left In: 446.532+/-0.083 χ^2/NDF:728430.3/17

+ sign 427.467+/-0.066 χ^2/NDF: 2594599.7/34

All: 426.008+/-0.047 χ^2/NDF: 5264975.5/70

- sign 424.545+/-0.066 χ^2/NDF: 2669406.1/35

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 236.558+/-282.032 χ^2/NDF:15.4/18

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

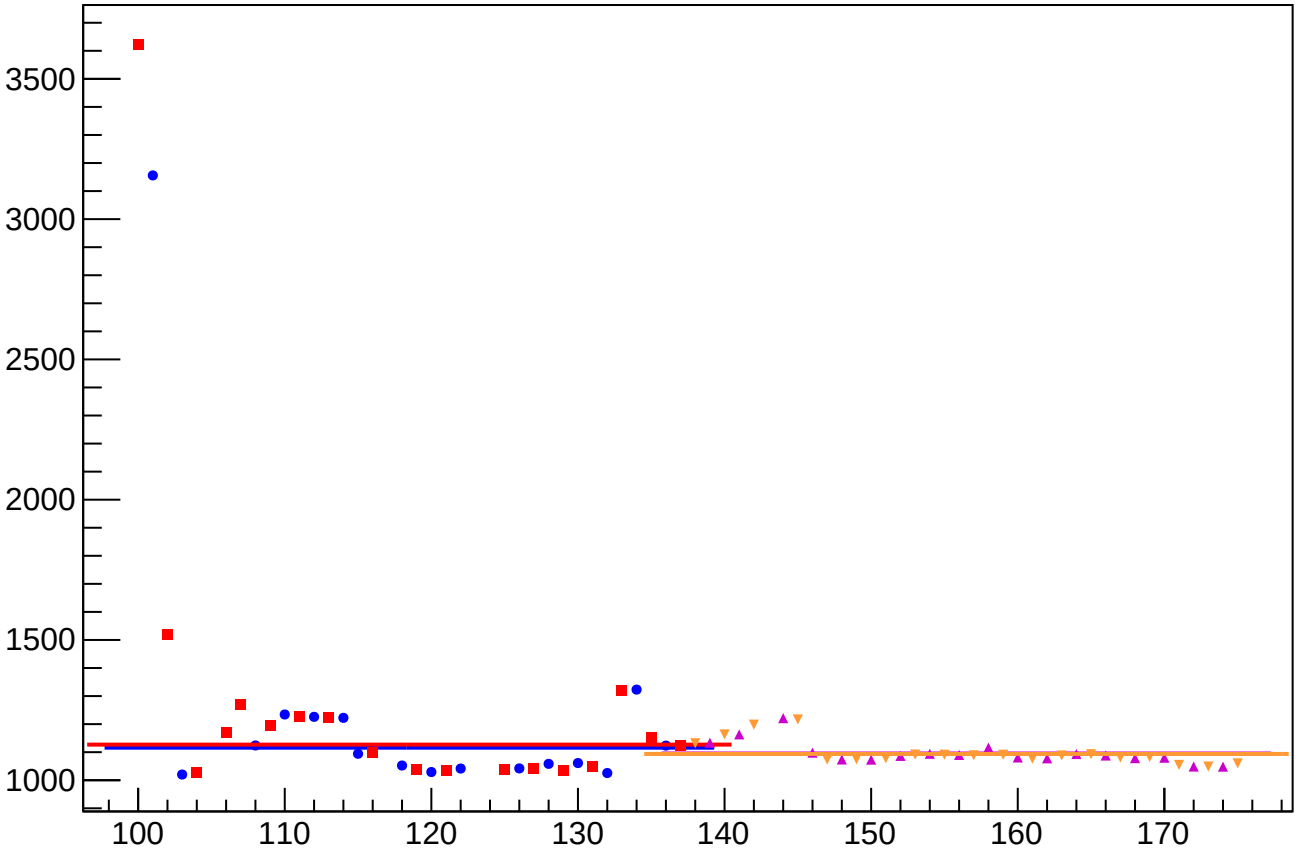
Left In: -77.438+/-284.122 χ^2/NDF:27.3/17

+ sign 243.860+/-234.938 χ^2/NDF: 32.4/34

All: 63.286+/-166.652 χ^2/NDF: 77.2/70

- sign -119.589+/-236.431 χ^2/NDF: 43.7/35

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1093.712+/-0.199 χ^2/NDF:40183.9/18

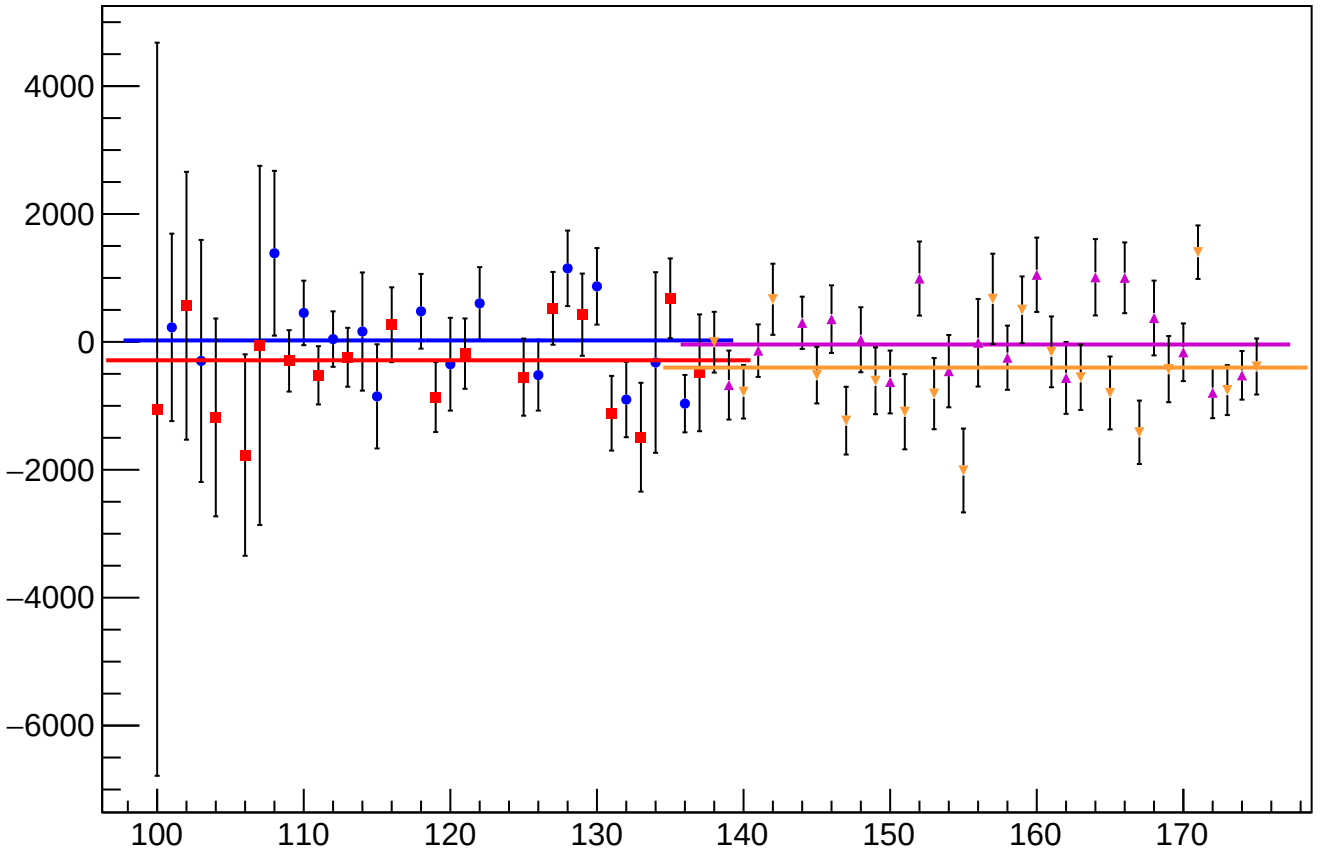
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1095.357+/-0.201 χ^2/NDF:37441.0/17

\+ sign 1100.561+/-0.166 χ^2/NDF: 667429.6/34

All: 1102.804+/-0.118 χ^2/NDF: 935587.5/70

\- sign 1105.076+/-0.167 χ^2/NDF: 267790.9/35



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -401.389+/-115.256 χ^2/NDF:45.5/18

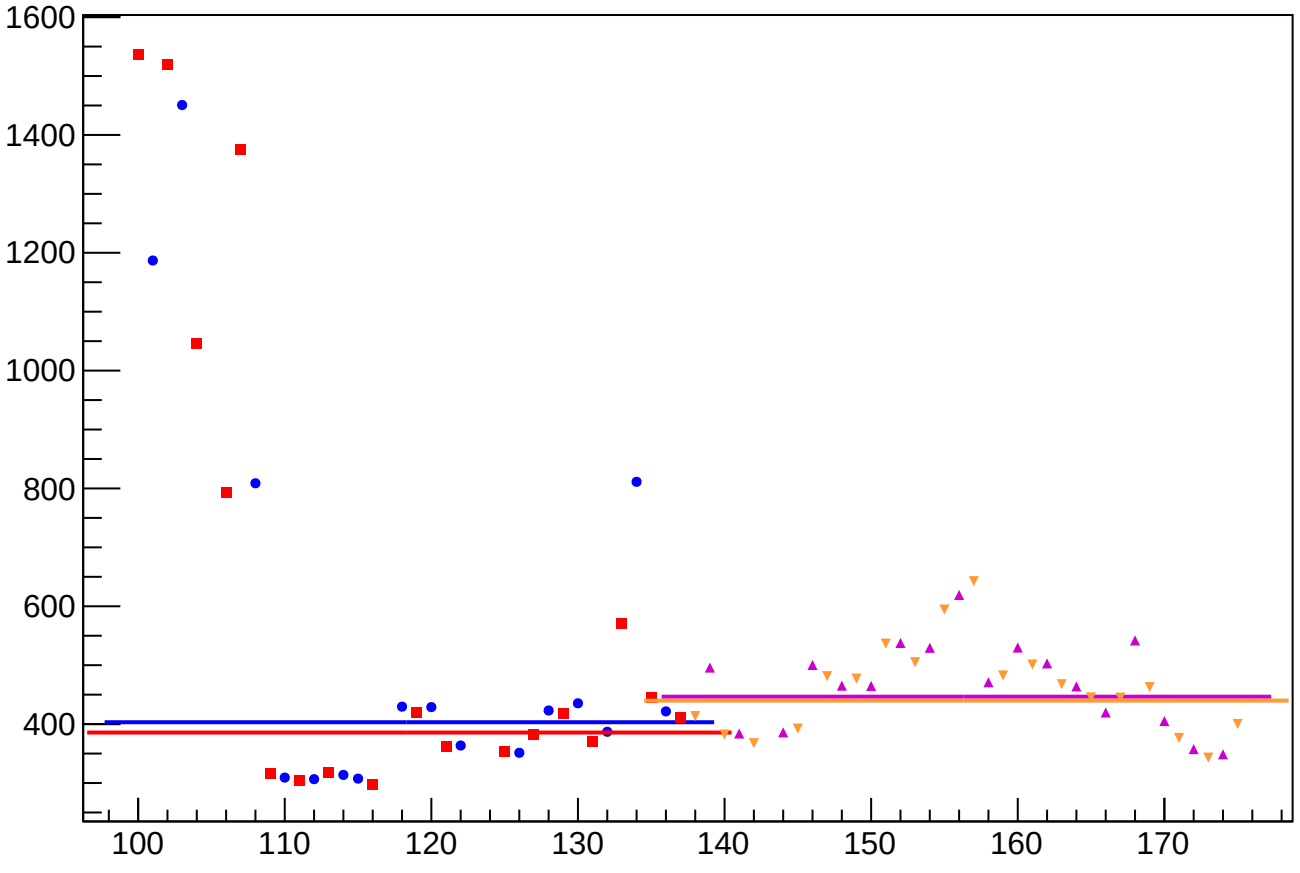
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -40.416+/-117.499 χ^2/NDF:24.8/17

+ sign -257.900+/-93.764 χ^2/NDF: 69.0/34

All: -193.912+/-66.349 χ^2/NDF: 110.0/70

- sign -129.737+/-93.901 χ^2/NDF: 40.1/35



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 439.875+/-0.081 χ^2/NDF:713938.7/18

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

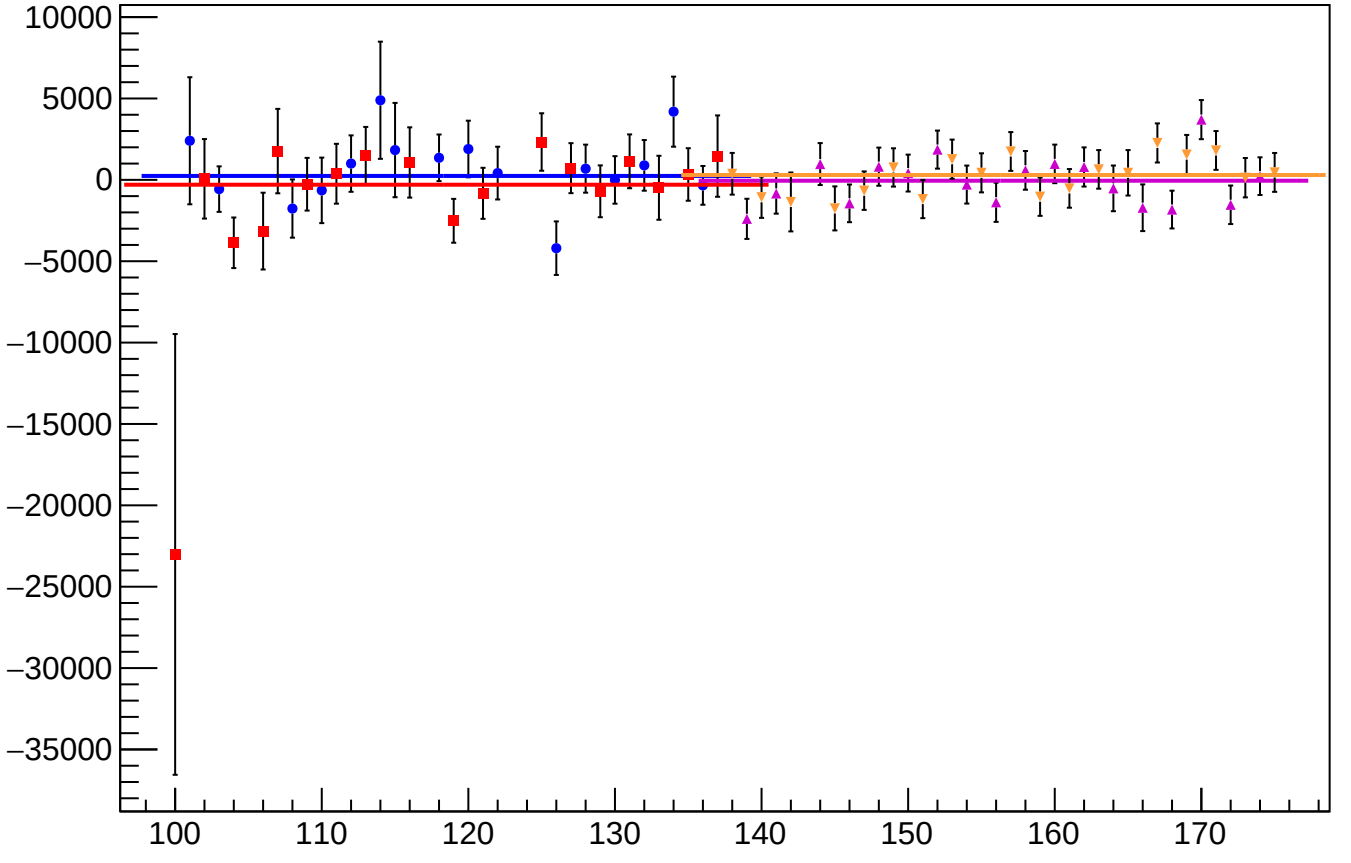
Left In: 446.532+/-0.083 χ^2/NDF:728430.3/17

+ sign 427.467+/-0.066 χ^2/NDF: 2594599.7/34

All: 426.008+/-0.047 χ^2/NDF: 5264975.5/70

- sign 424.545+/-0.066 χ^2/NDF: 2669406.1/35

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 297.180+/-283.360 χ^2/NDF:16.1/18

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

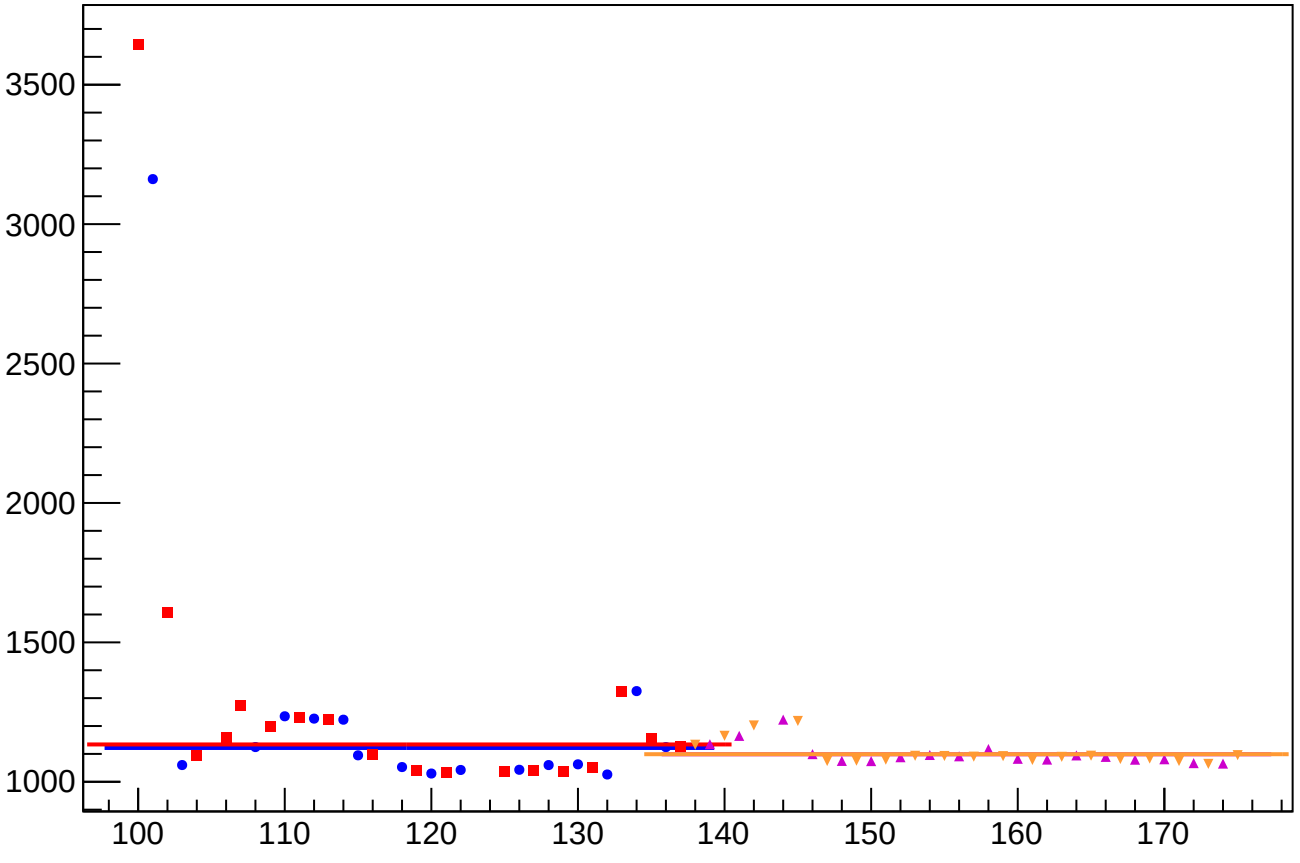
Left In: -53.808+/-284.953 χ^2/NDF:27.4/17

+ sign 279.928+/-236.034 χ^2/NDF: 33.1/34

All: 77.157+/-167.473 χ^2/NDF: 80.9/70

- sign -128.417+/-237.660 χ^2/NDF: 46.3/35

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1098.924+/-0.200 χ^2/NDF:35336.6/18

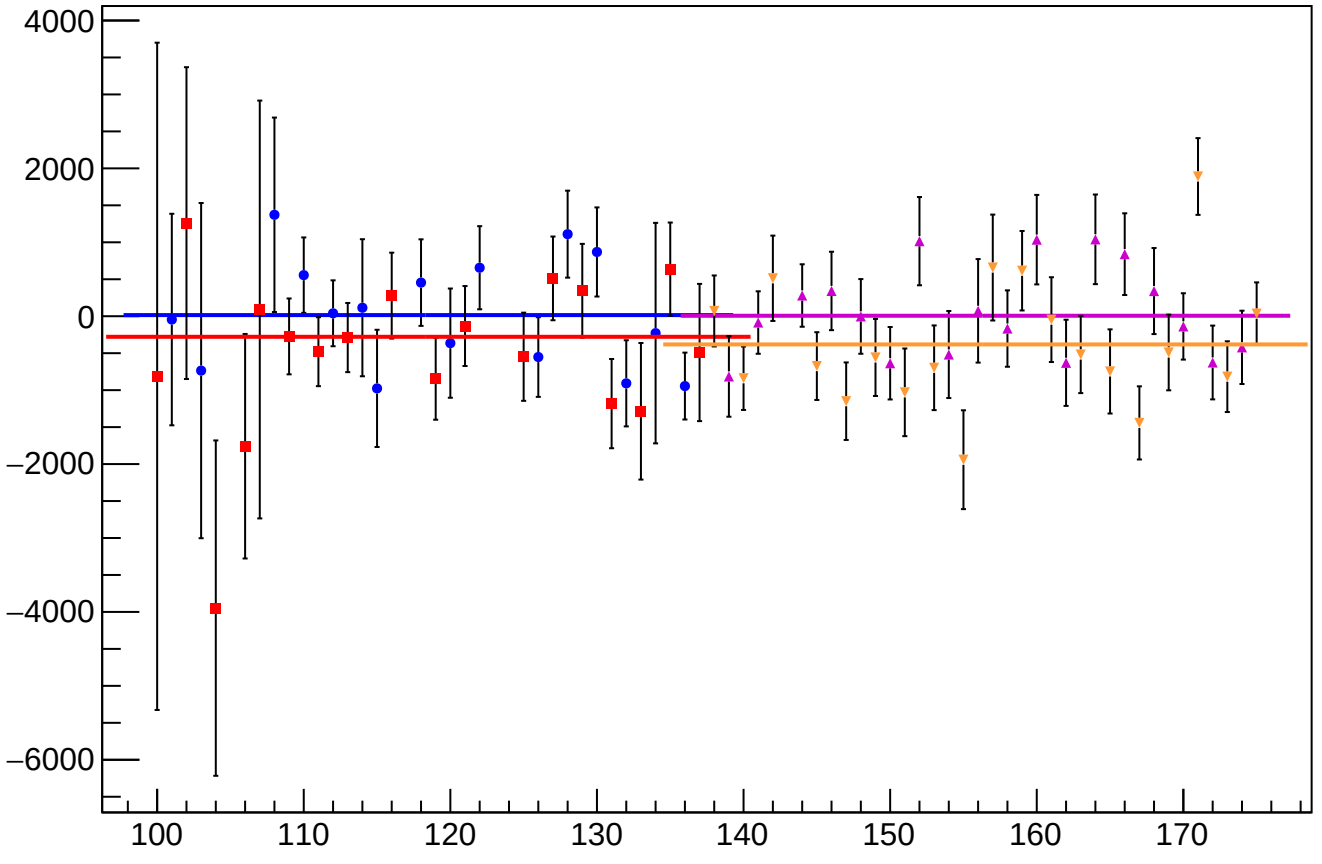
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1098.626+/-0.201 χ^2/NDF:33564.0/17

+ sign 1105.772+/-0.167 χ^2/NDF: 656181.0/34

All: 1107.560+/-0.118 χ^2/NDF: 926777.3/70

- sign 1109.372+/-0.168 χ^2/NDF: 270365.3/35



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -381.378+/-119.719 χ^2/NDF:46.0/18

Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

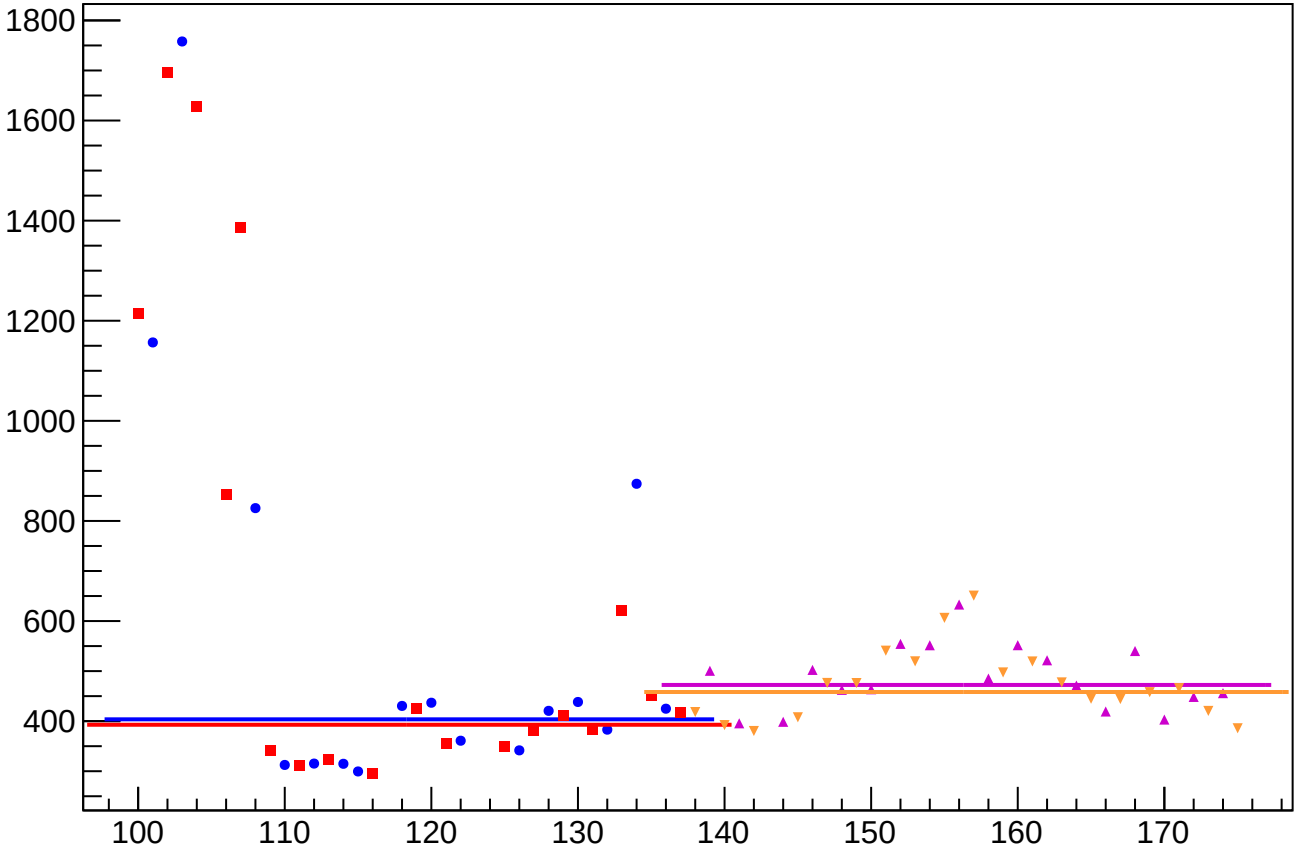
Left In: 6.444+/-123.692 χ^2/NDF:20.7/17

+ sign -241.092+/-96.248 χ^2/NDF: 69.5/34

All: -172.033+/-68.527 χ^2/NDF: 108.3/70

- sign -101.036+/-97.589 χ^2/NDF: 37.7/35

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 458.261+/-0.085 χ^2/NDF:541724.9/18

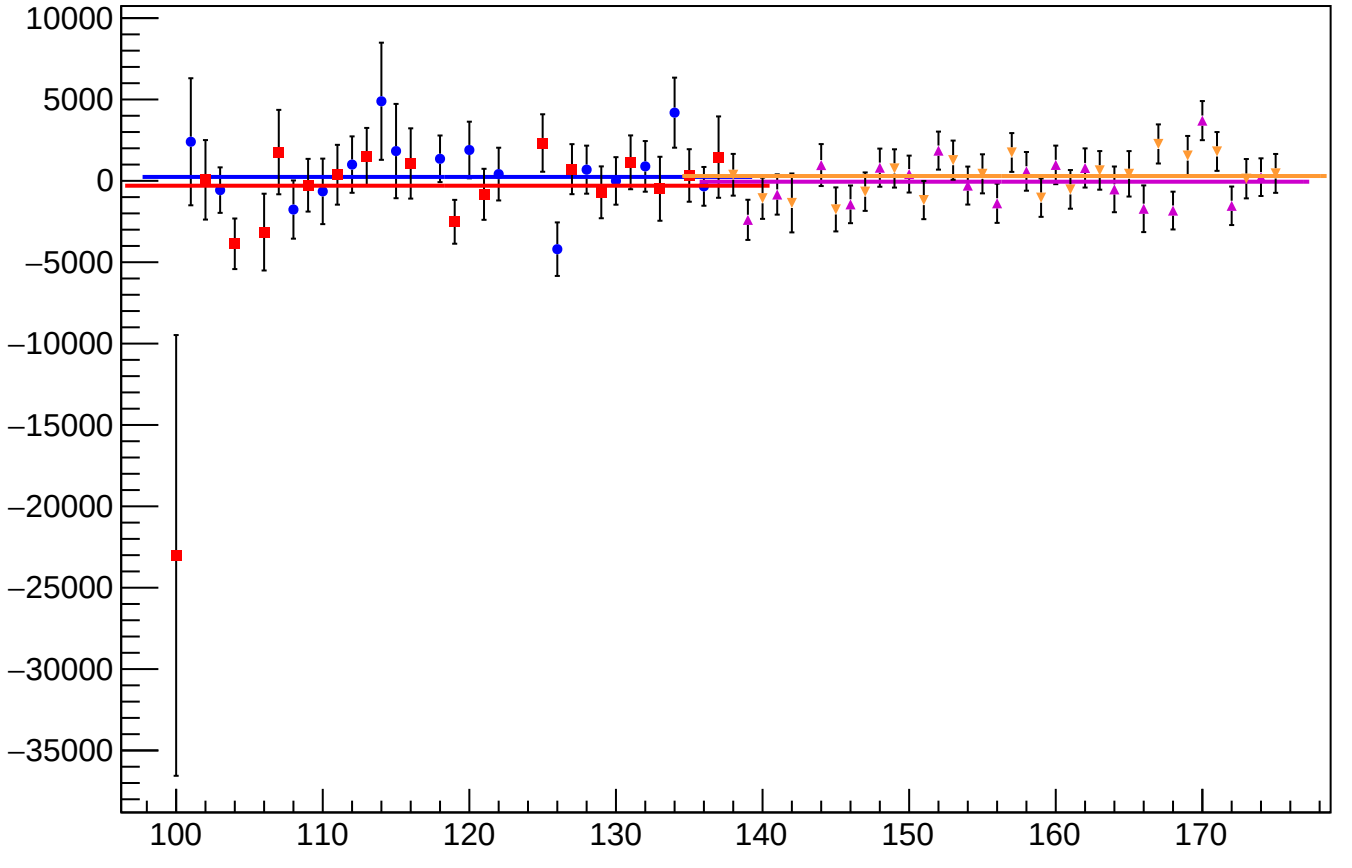
Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 472.351+/-0.087 χ^2/NDF:468919.2/17

+ sign 438.950+/-0.068 χ^2/NDF: 2618473.9/34

All: 440.615+/-0.048 χ^2/NDF: 5604218.3/70

- sign 442.326+/-0.069 χ^2/NDF: 2984530.6/35



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 297.177+/-283.360 χ^2/NDF:16.1/18

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

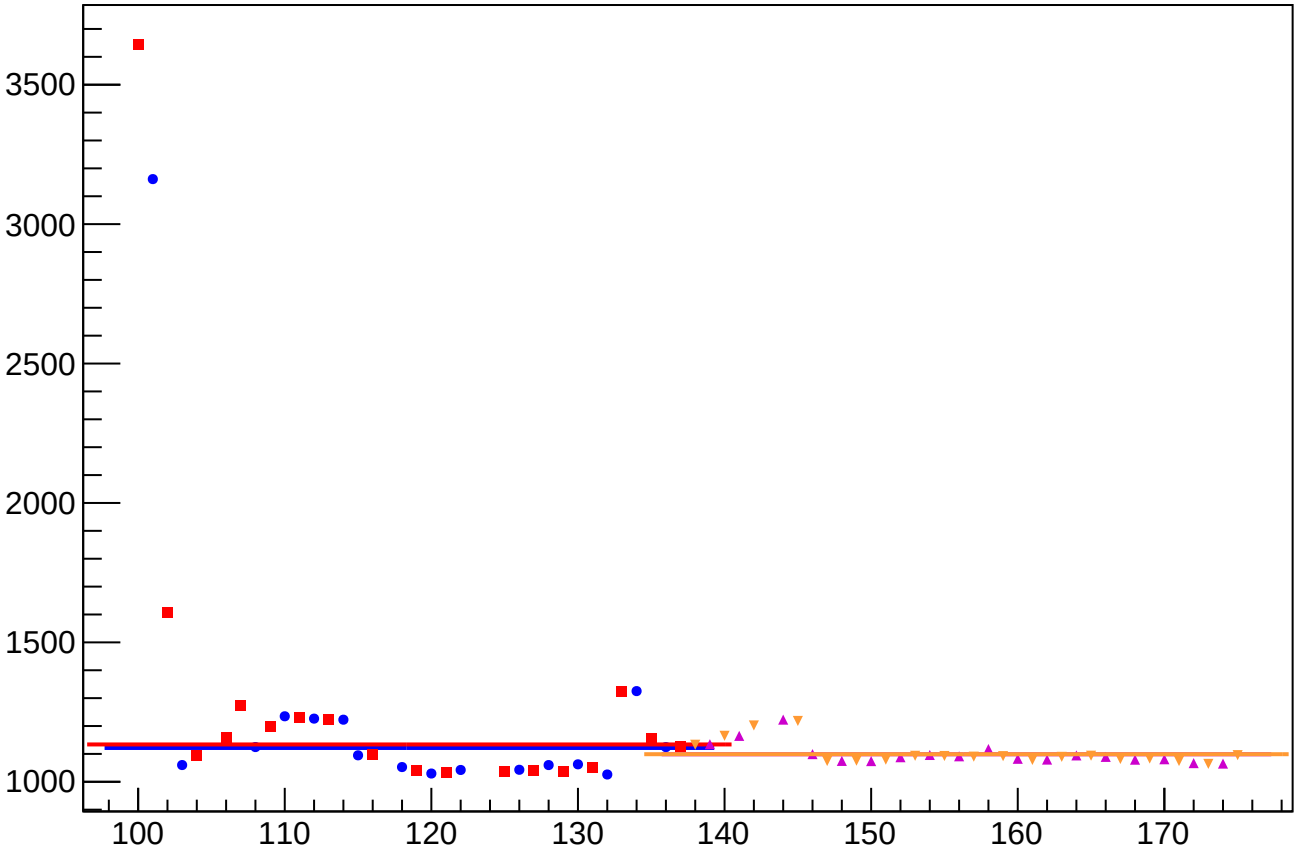
Left In: -53.809+/-284.953 χ^2/NDF:27.4/17

+ sign 279.927+/-236.034 χ^2/NDF: 33.1/34

All: 77.156+/-167.473 χ^2/NDF: 80.9/70

- sign -128.419+/-237.660 χ^2/NDF: 46.3/35

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1098.924+/-0.200 χ^2/NDF:35336.9/18

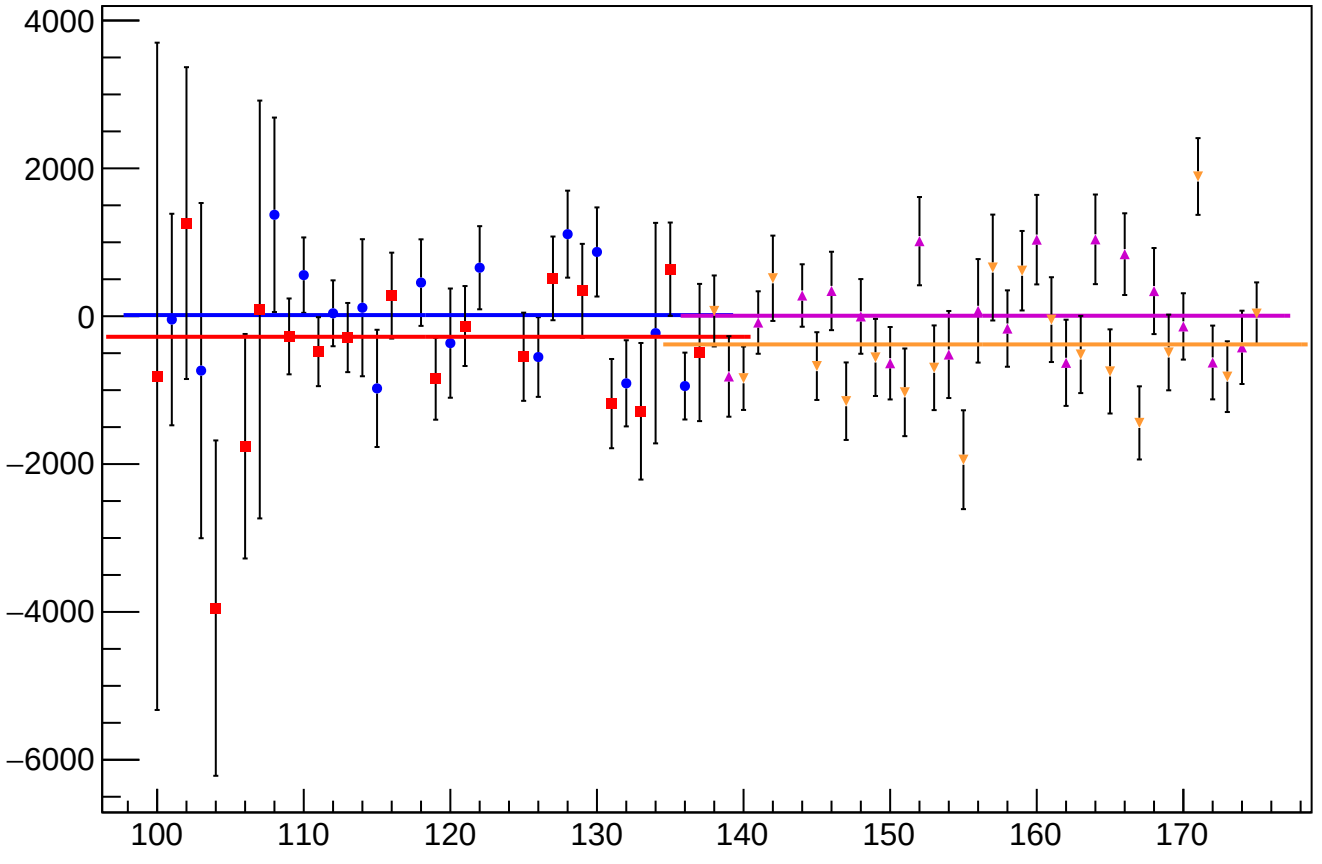
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1098.626+/-0.201 χ^2/NDF:33564.2/17

+ sign 1105.772+/-0.167 χ^2/NDF: 656181.3/34

All: 1107.560+/-0.118 χ^2/NDF: 926777.9/70

- sign 1109.372+/-0.168 χ^2/NDF: 270365.7/35



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -381.379+/-119.719 χ^2/NDF:46.0/18

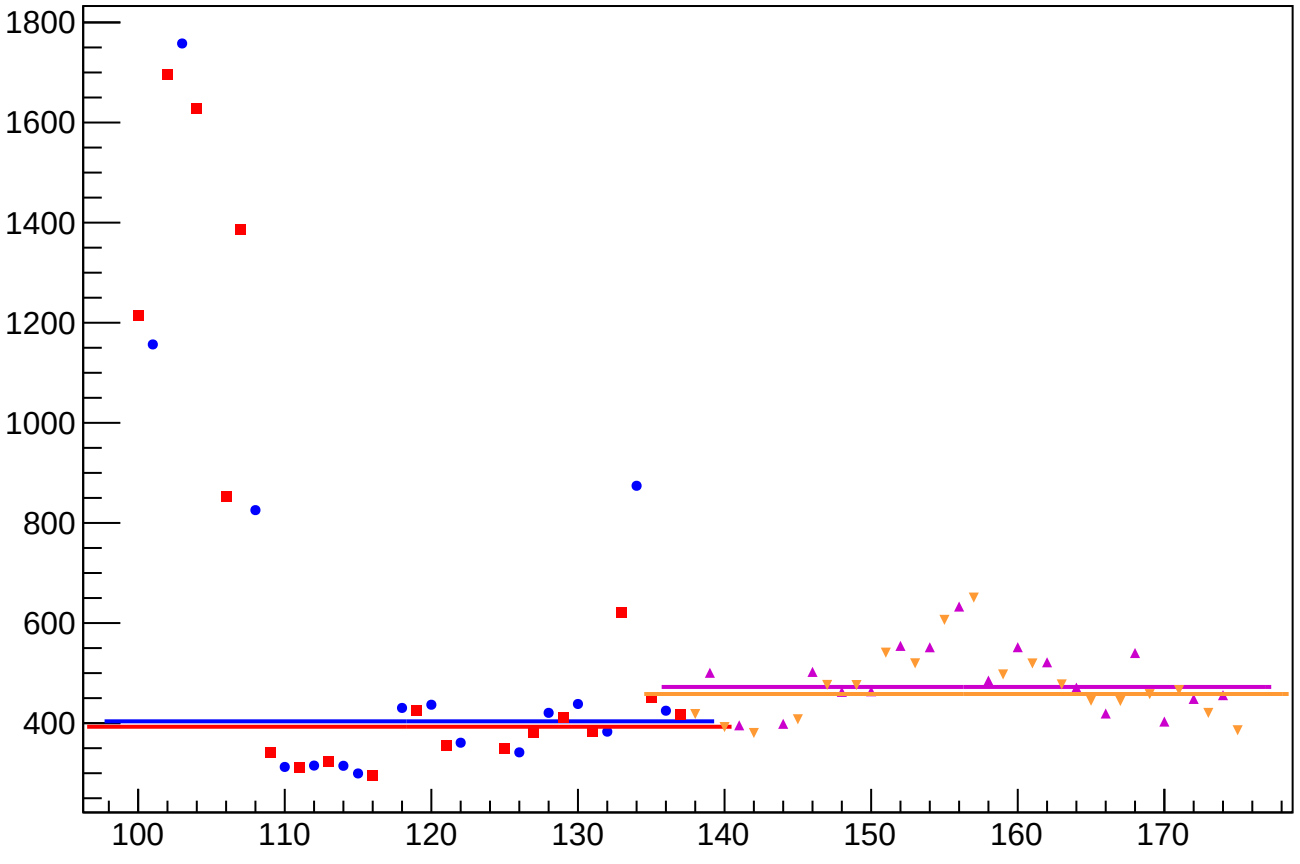
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 6.443+/-123.692 χ^2/NDF:20.7/17

+ sign -241.093+/-96.248 χ^2/NDF: 69.5/34

All: -172.034+/-68.527 χ^2/NDF: 108.3/70

- sign -101.037+/-97.589 χ^2/NDF: 37.7/35



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 458.261+/-0.085 χ^2/NDF:541748.1/18

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

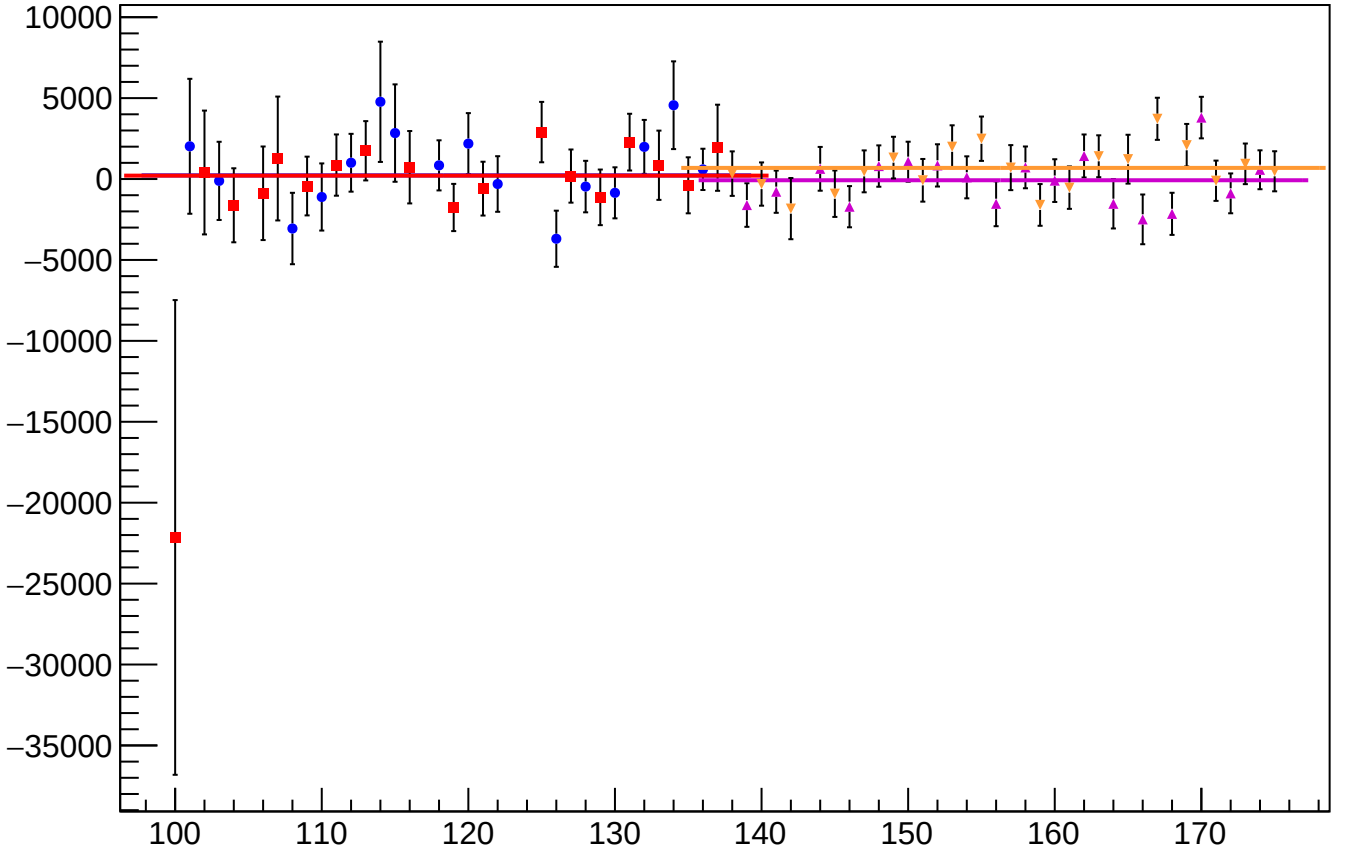
Left In: 472.352+/-0.087 χ^2/NDF:468930.9/17

+ sign 438.948+/-0.068 χ^2/NDF: 2618510.7/34

All: 440.613+/-0.048 χ^2/NDF: 5604304.1/70

- sign 442.325+/-0.069 χ^2/NDF: 2984579.5/35

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 687.812+/-307.601 χ^2/NDF:18.4/18

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

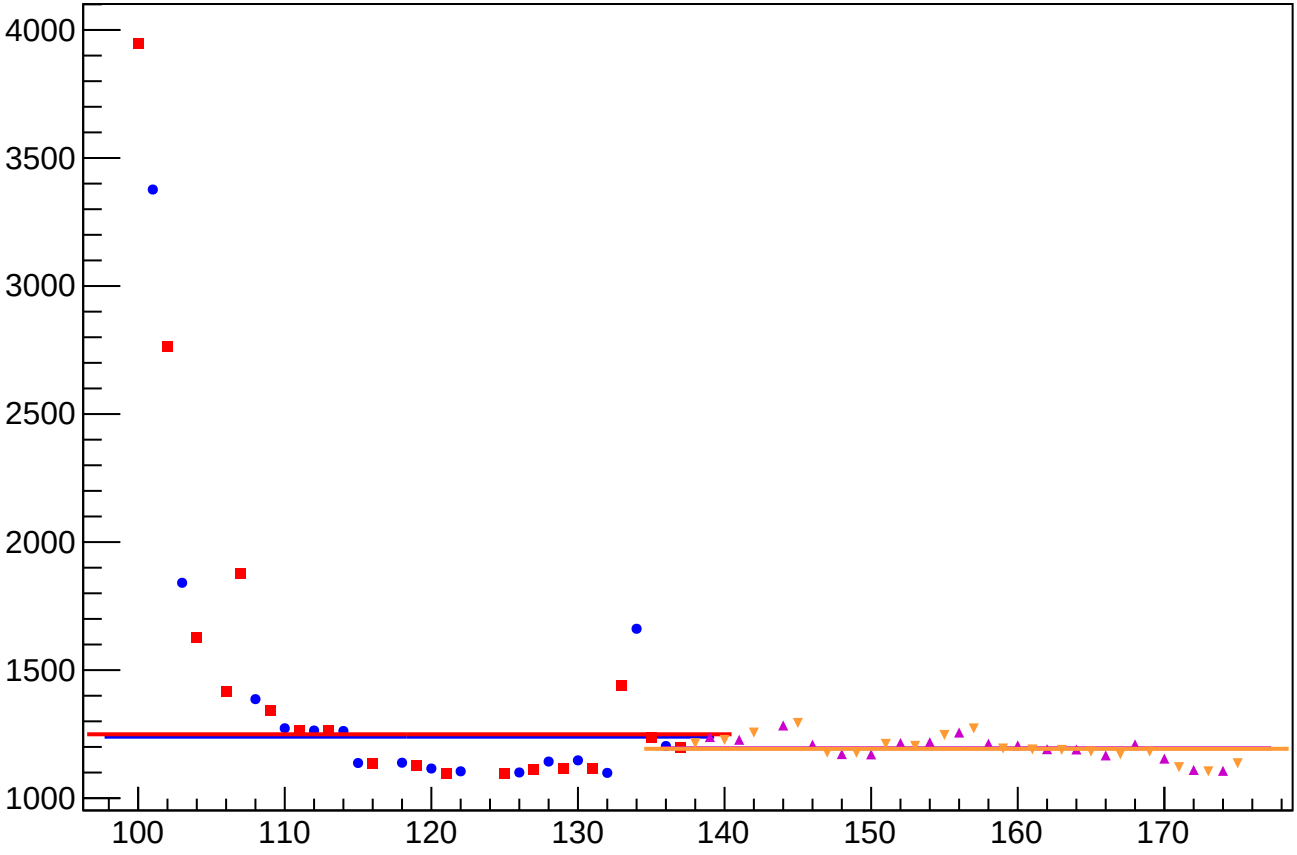
Left In: -75.242+/-309.943 χ^2/NDF:23.9/17

+ sign 550.837+/-258.120 χ^2/NDF: 35.2/34

All: 281.993+/-183.190 χ^2/NDF: 72.5/70

- sign 9.159+/-260.029 χ^2/NDF: 35.1/35

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1192.726+/-0.218 χ^2/NDF:46217.8/18

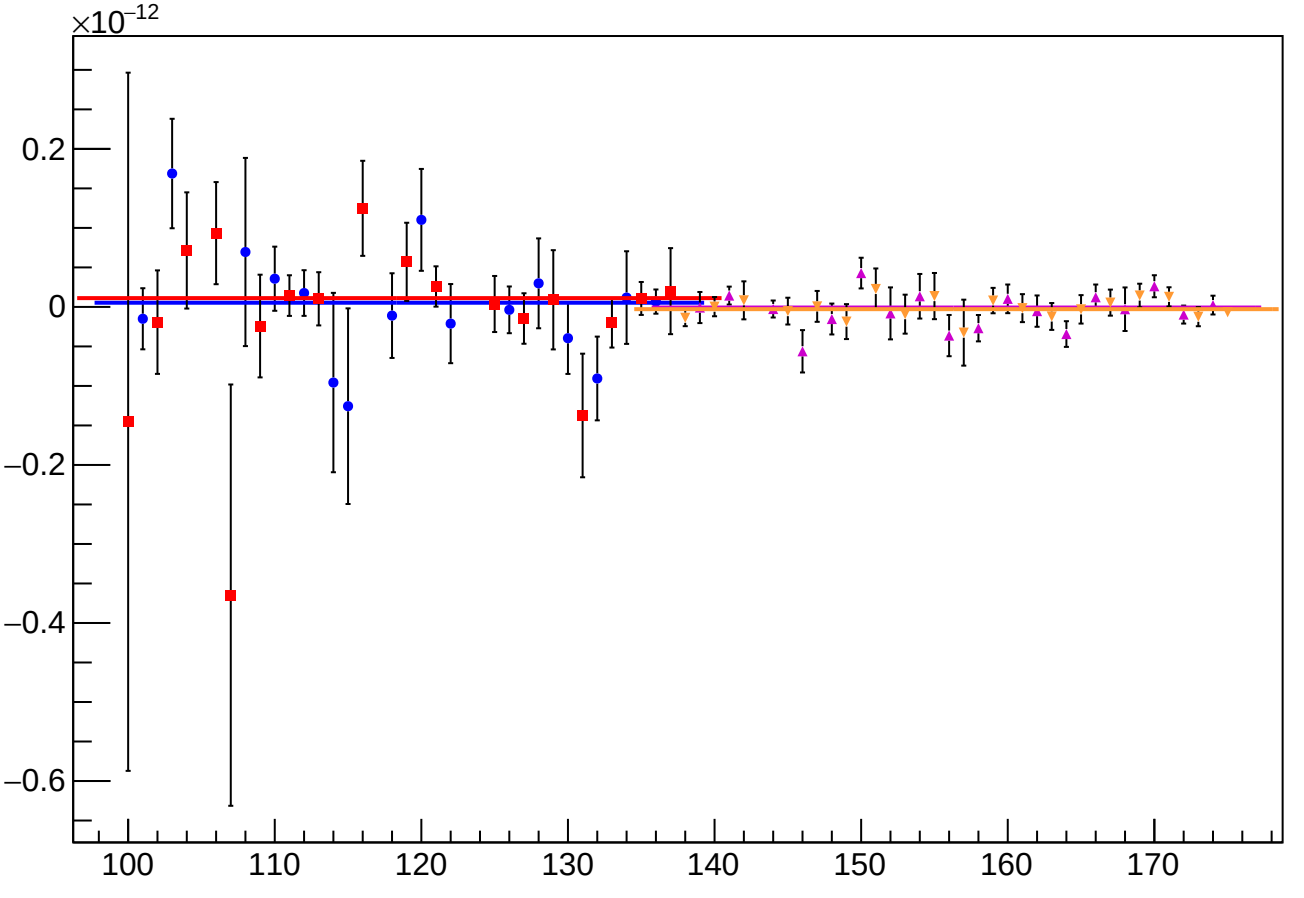
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1194.750+/-0.219 χ^2/NDF:42430.8/17

+ sign 1206.753+/-0.183 χ^2/NDF: 842955.4/34

All: 1208.830+/-0.130 χ^2/NDF: 1510167.7/70

- sign 1210.938+/-0.184 χ^2/NDF: 666951.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.8/18

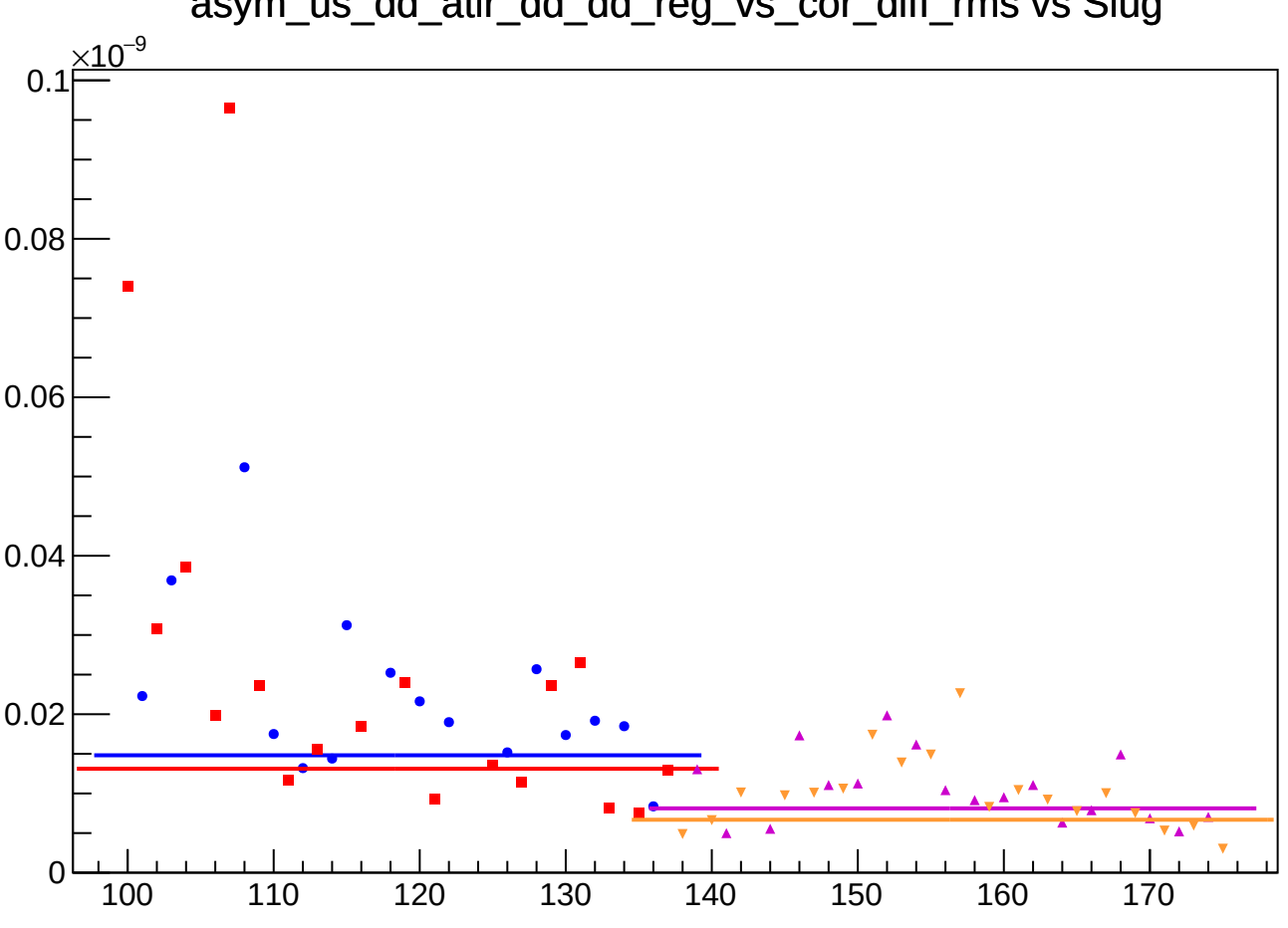
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: -0.000+/-0.000 χ^2/NDF:26.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 25.8/34

All: -0.000+/-0.000 χ^2/NDF: 68.6/70

- sign 0.000+/-0.000 χ^2/NDF: 42.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2235965.7/18

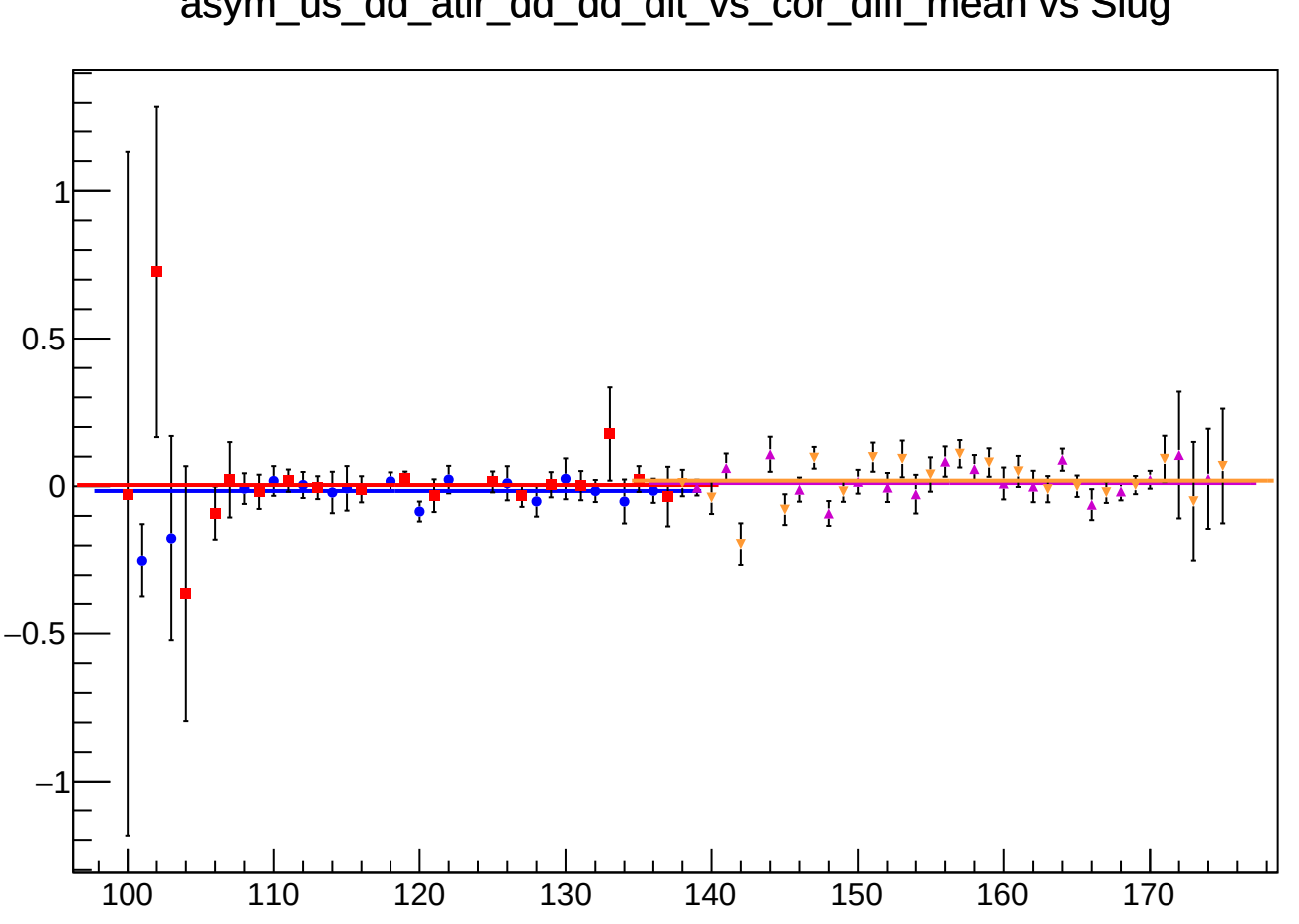
Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1533903.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 4589787.0/34

All: 0.000+/-0.000 χ^2/NDF: 7945585.1/70

- sign 0.000+/-0.000 χ^2/NDF: 3203240.7/35



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/18

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

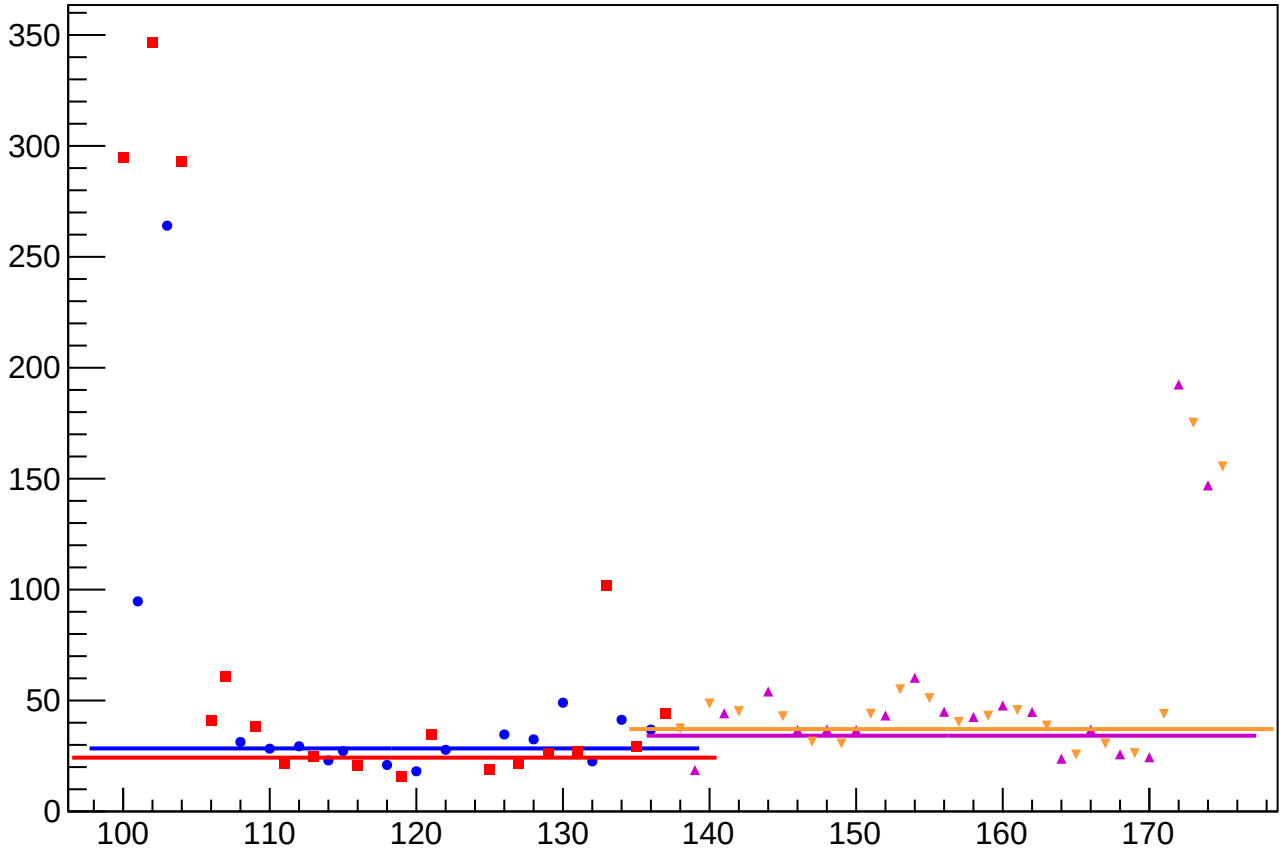
Left In: 0.011+/-0.010 χ^2/NDF:21.4/17

+ sign 0.004+/-0.008 χ^2/NDF: 48.9/34

All: 0.006+/-0.006 χ^2/NDF: 78.5/70

- sign 0.008+/-0.008 χ^2/NDF: 29.5/35

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: 37.128+/-0.008 χ^2/NDF:2907736.2/18

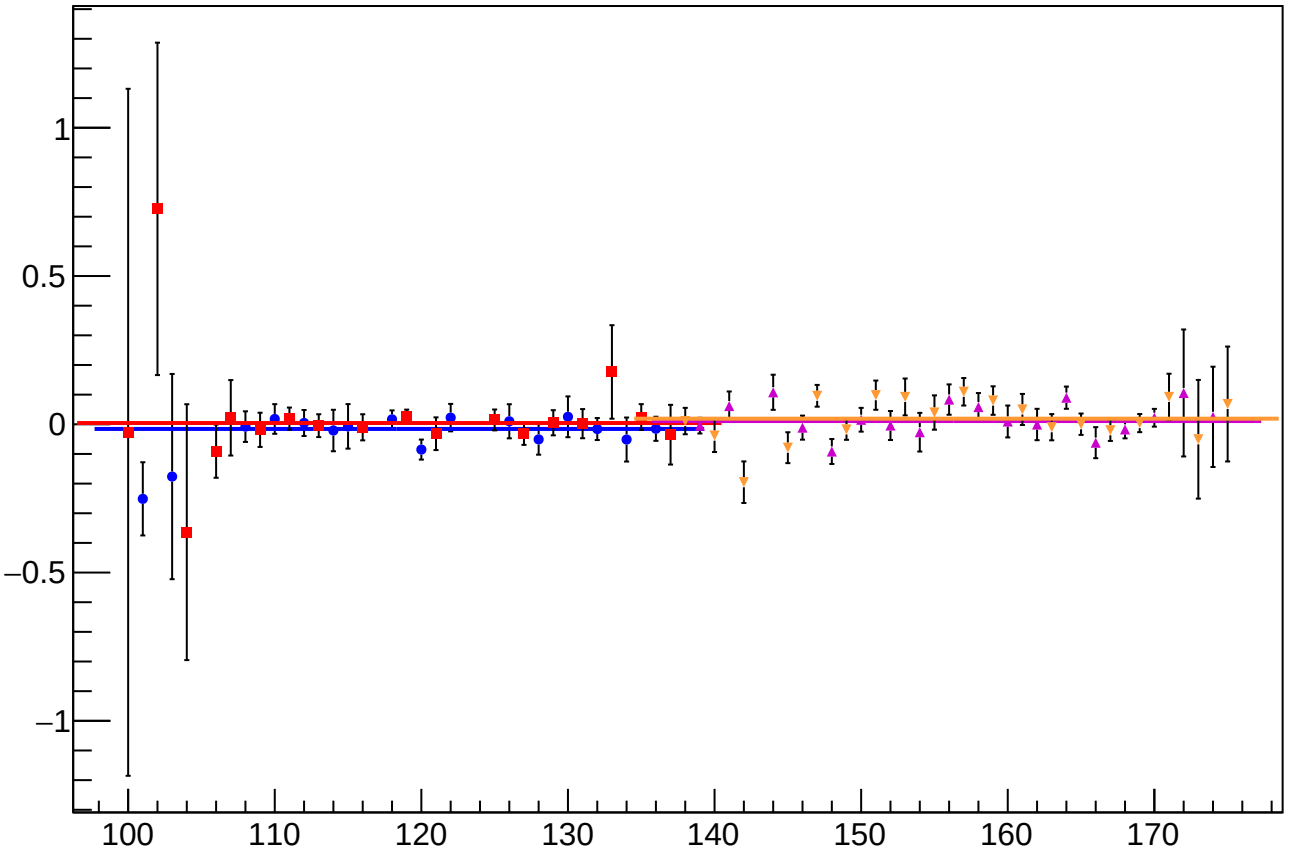
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.152+/-0.007 χ^2/NDF:4278394.1/17

+ sign 33.323+/-0.006 χ^2/NDF: 5718799.6/34

All: 31.416+/-0.004 χ^2/NDF: 13946135.1/70

- sign 29.727+/-0.005 χ^2/NDF: 8019759.3/35



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/18

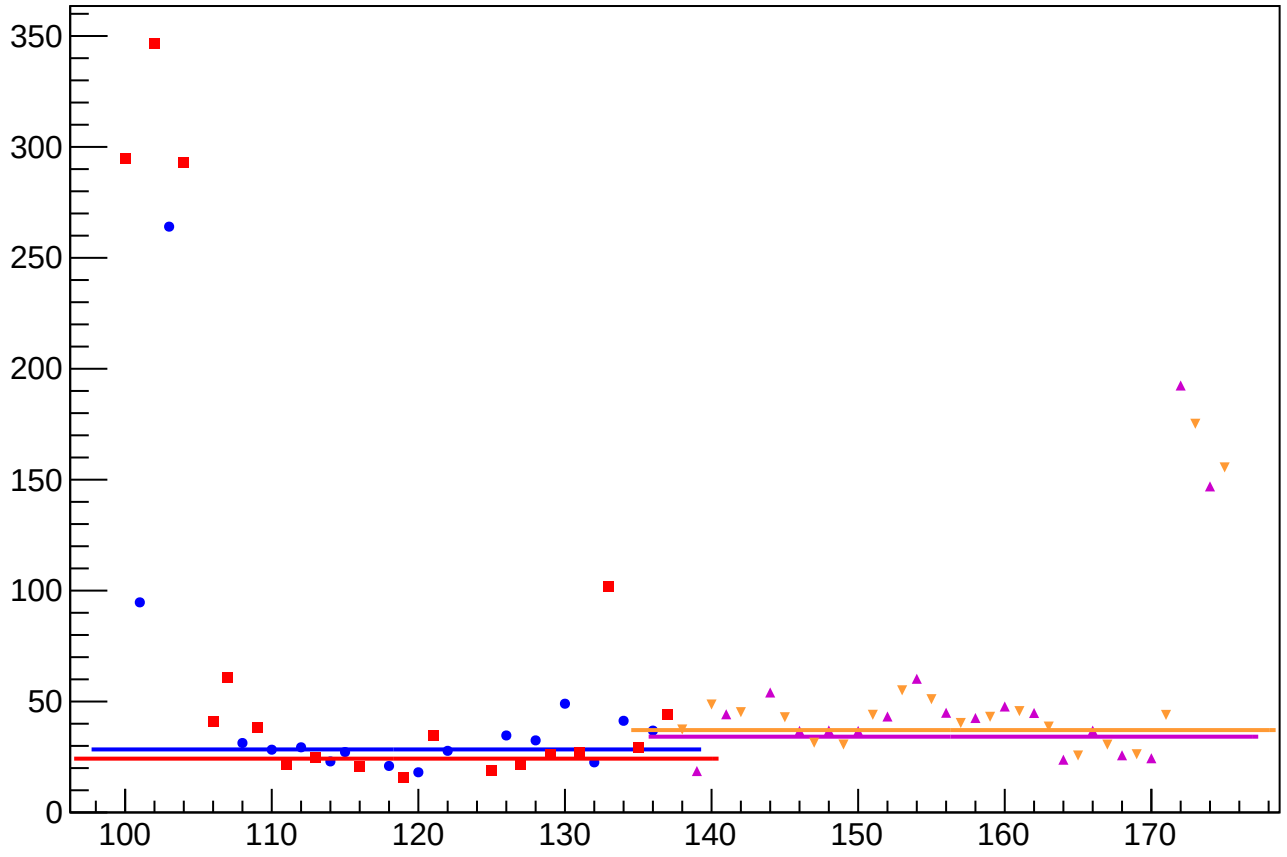
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.4/17

+ sign 0.004+/-0.008 χ^2/NDF: 48.9/34

All: 0.006+/-0.006 χ^2/NDF: 78.5/70

- sign 0.008+/-0.008 χ^2/NDF: 29.5/35



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.128+/-0.008 χ^2/NDF:2907736.2/18

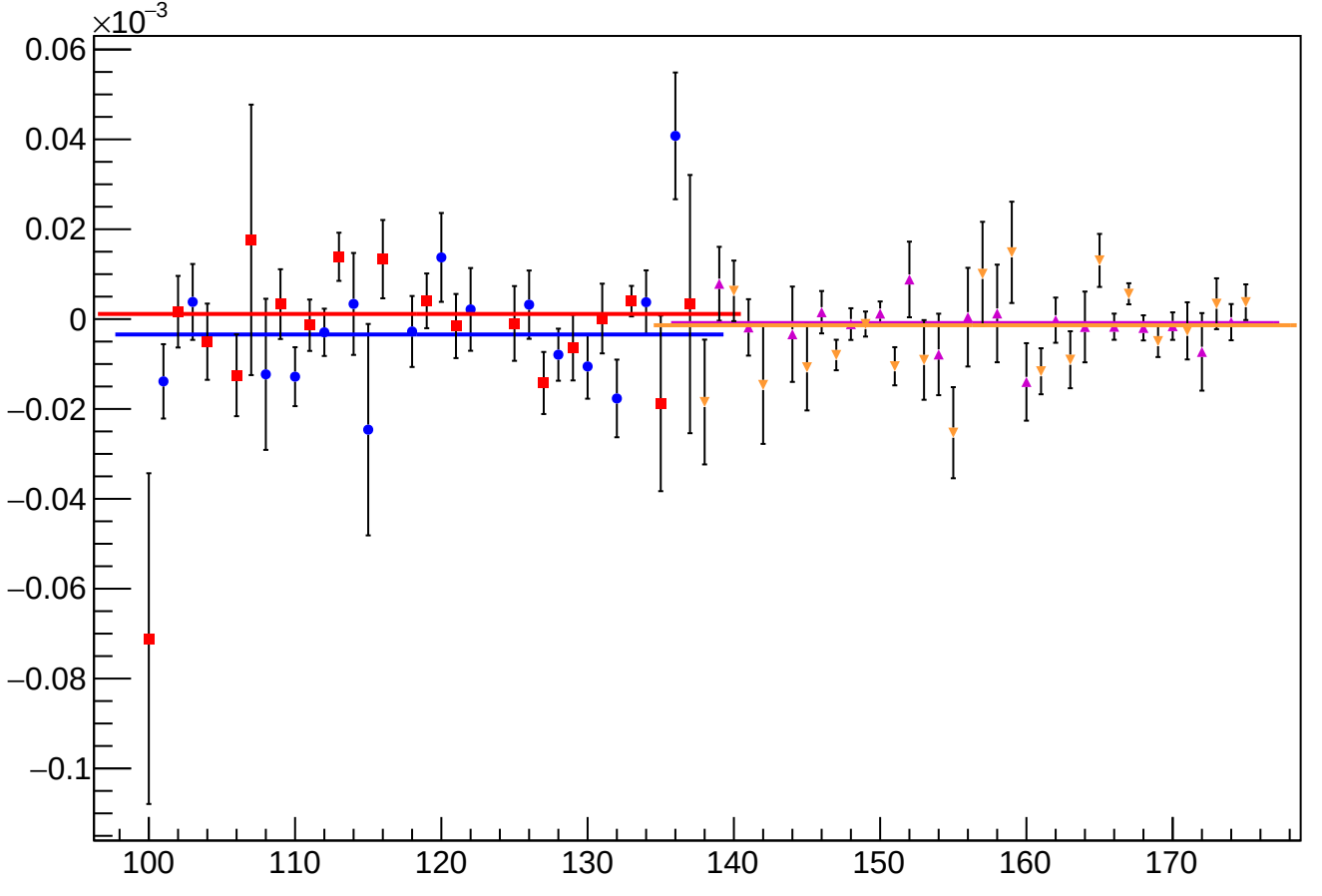
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.152+/-0.007 χ^2/NDF:4278394.1/17

+ sign 33.323+/-0.006 χ^2/NDF: 5718799.6/34

All: 31.416+/-0.004 χ^2/NDF: 13946135.1/70

- sign 29.727+/-0.005 χ^2/NDF: 8019759.3/35



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/18

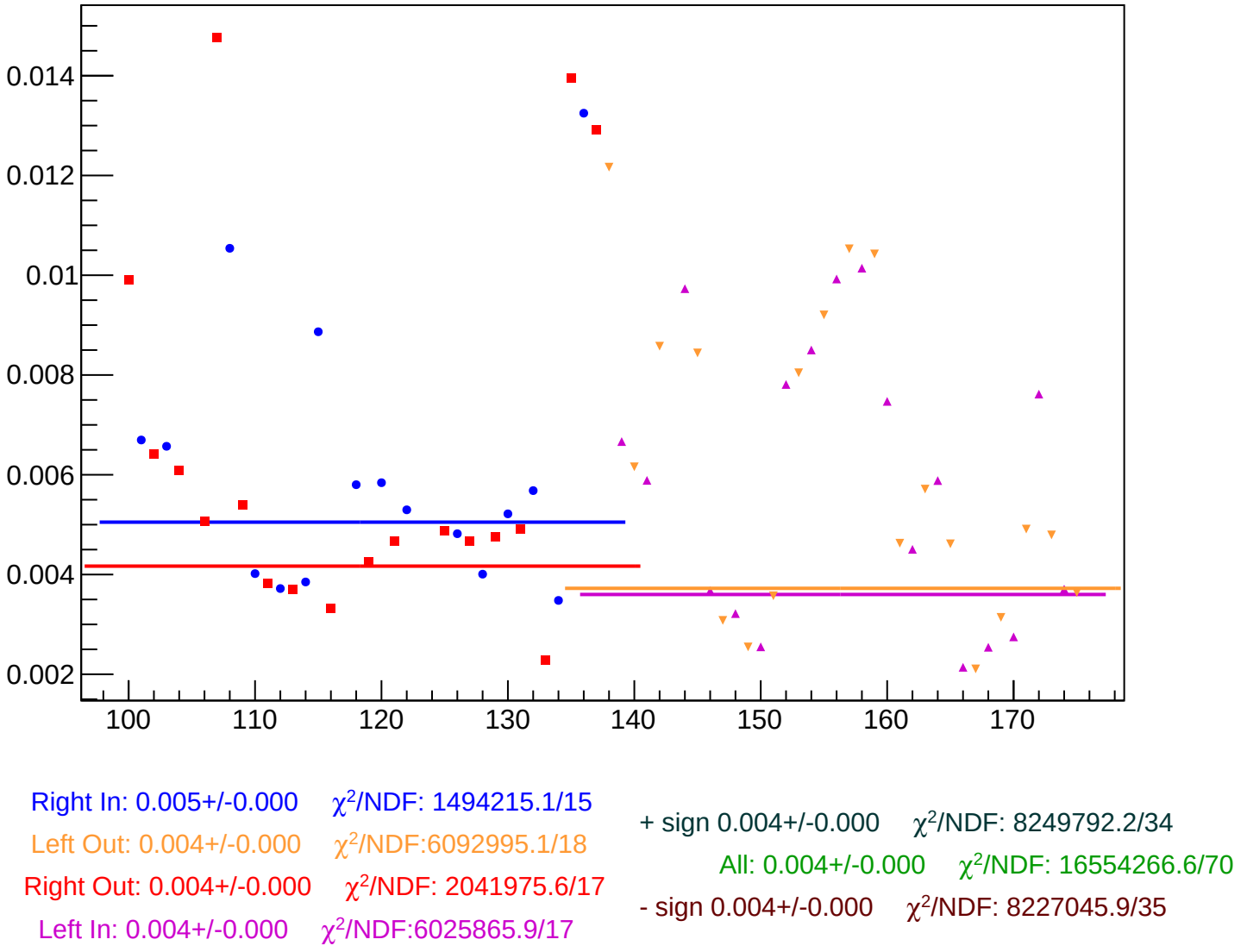
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

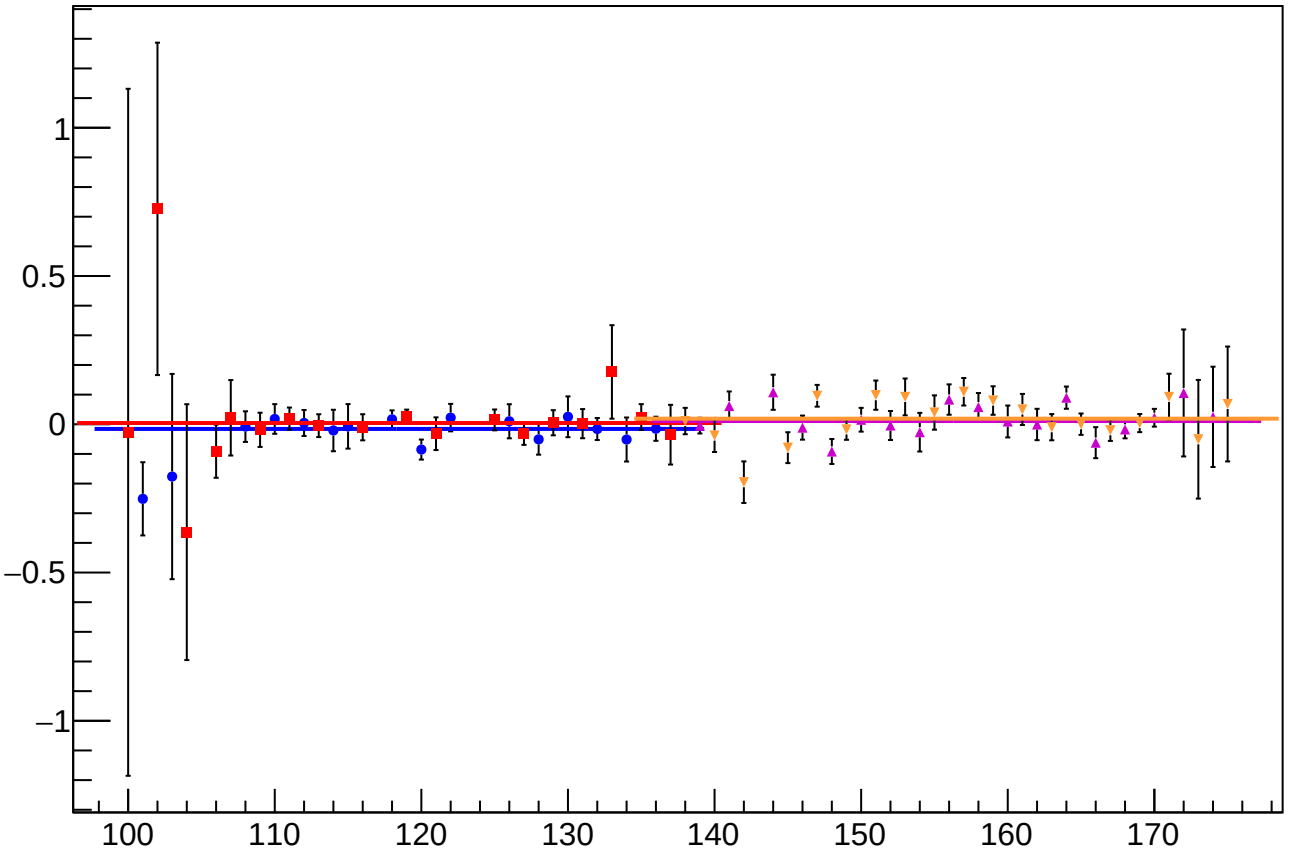
Left In: -0.000+/-0.000 χ^2/NDF:7.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 72.3/34

All: -0.000+/-0.000 χ^2/NDF: 104.8/70

- sign -0.000+/-0.000 χ^2/NDF: 31.2/35


asym_us_dd_atlr_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: 0.005+/-0.000 χ²/NDF: 1494215.1/15
Left Out: 0.004+/-0.000 χ²/NDF:6092995.1/18
Right Out: 0.004+/-0.000 χ²/NDF: 2041975.6/17
Left In: 0.004+/-0.000 χ²/NDF:6025865.9/17
+ sign 0.004+/-0.000 χ²/NDF: 8249792.2/34
All: 0.004+/-0.000 χ²/NDF: 16554266.6/70
- sign 0.004+/-0.000 χ²/NDF: 8227045.9/35



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/18

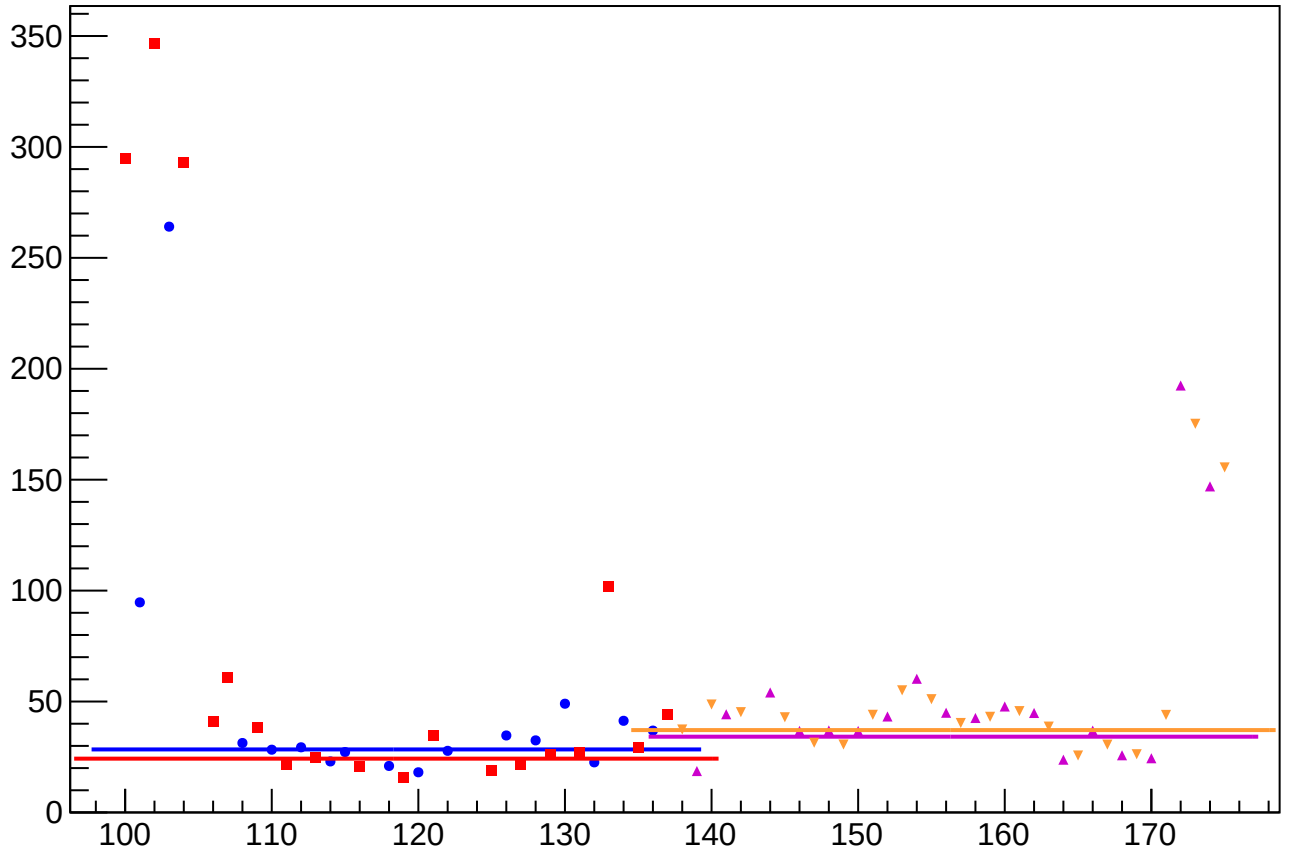
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.4/17

+ sign 0.004+/-0.008 χ^2/NDF: 48.9/34

All: 0.006+/-0.006 χ^2/NDF: 78.5/70

- sign 0.008+/-0.008 χ^2/NDF: 29.5/35



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.128+/-0.008 χ^2/NDF:2907888.9/18

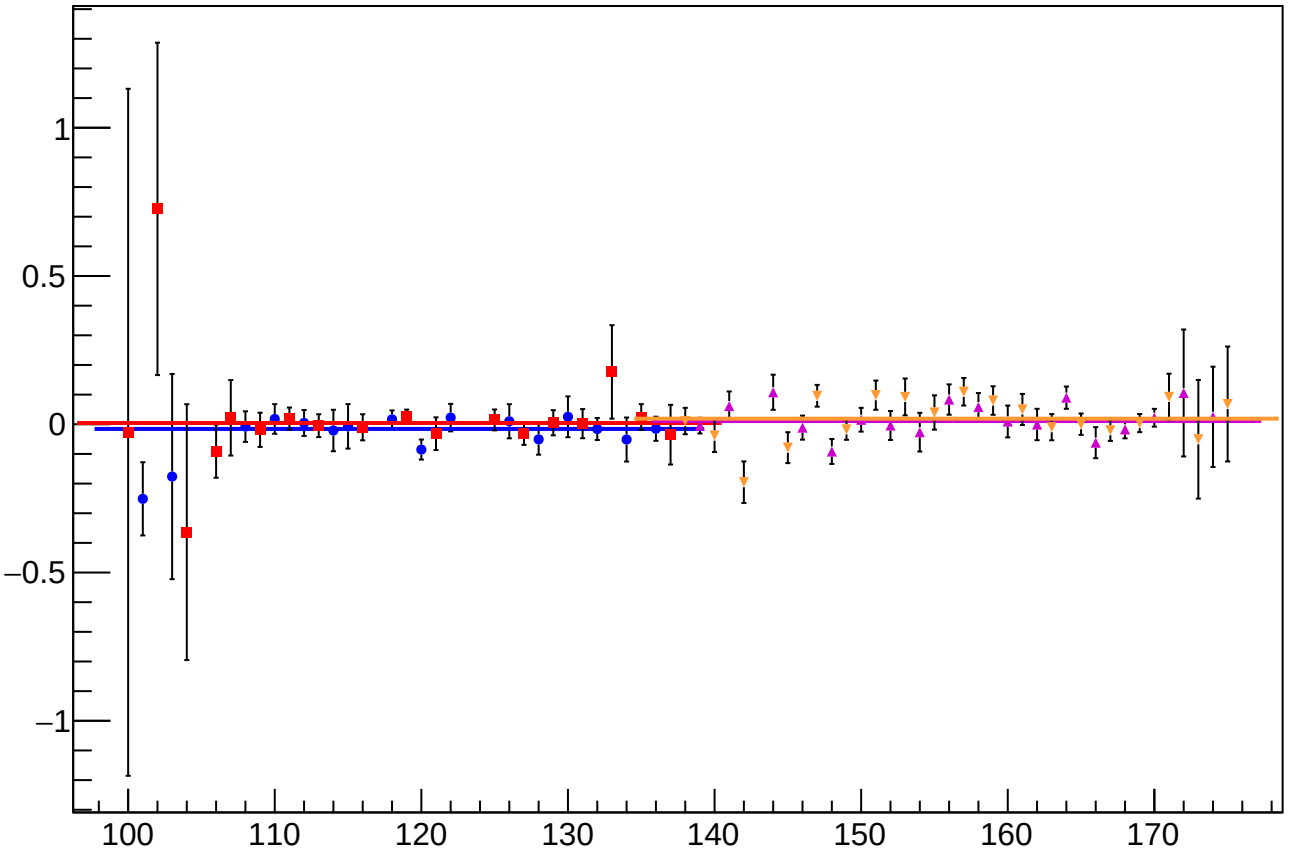
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.152+/-0.007 χ^2/NDF:4278798.1/17

+ sign 33.323+/-0.006 χ^2/NDF: 5718934.5/34

All: 31.415+/-0.004 χ^2/NDF: 13947273.9/70

- sign 29.726+/-0.005 χ^2/NDF: 8020656.8/35



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/18

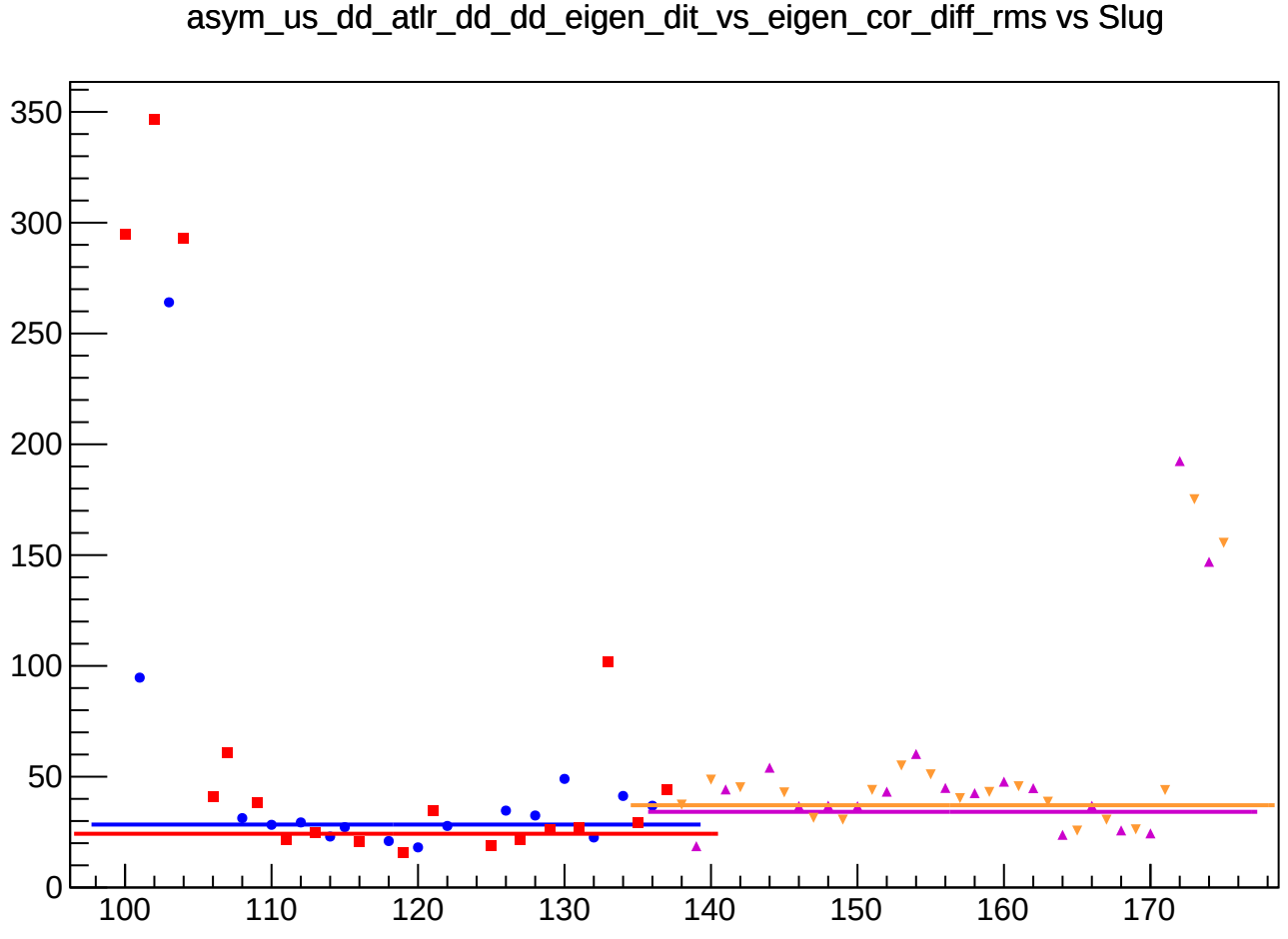
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.4/17

+ sign 0.004+/-0.008 χ^2/NDF: 48.9/34

All: 0.006+/-0.006 χ^2/NDF: 78.5/70

- sign 0.008+/-0.008 χ^2/NDF: 29.5/35



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.128+/-0.008 χ^2/NDF:2907888.9/18

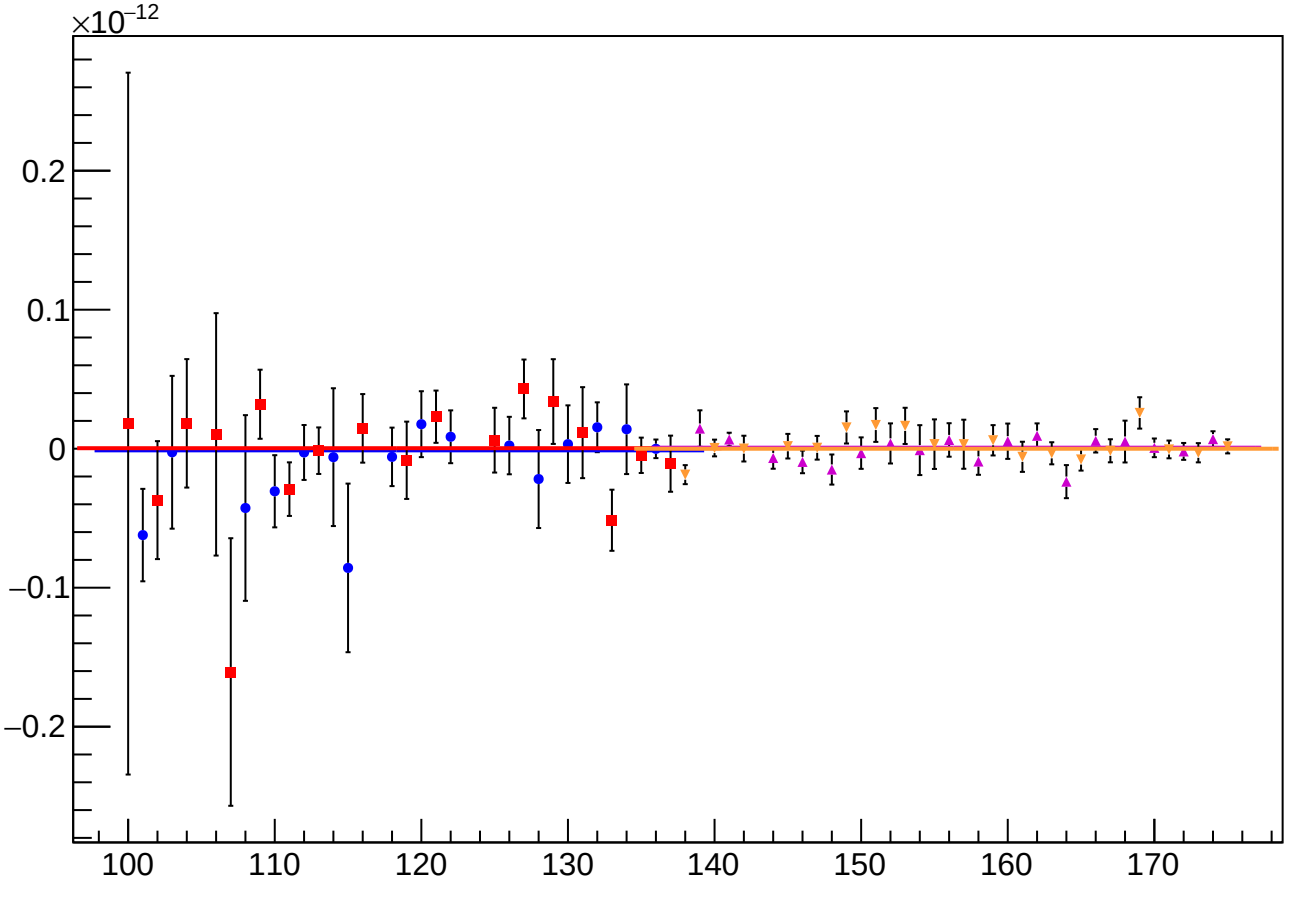
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.152+/-0.007 χ^2/NDF:4278798.1/17

+ sign 33.323+/-0.006 χ^2/NDF: 5718934.5/34

All: 31.415+/-0.004 χ^2/NDF: 13947273.9/70

- sign 29.726+/-0.005 χ^2/NDF: 8020656.8/35



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/18

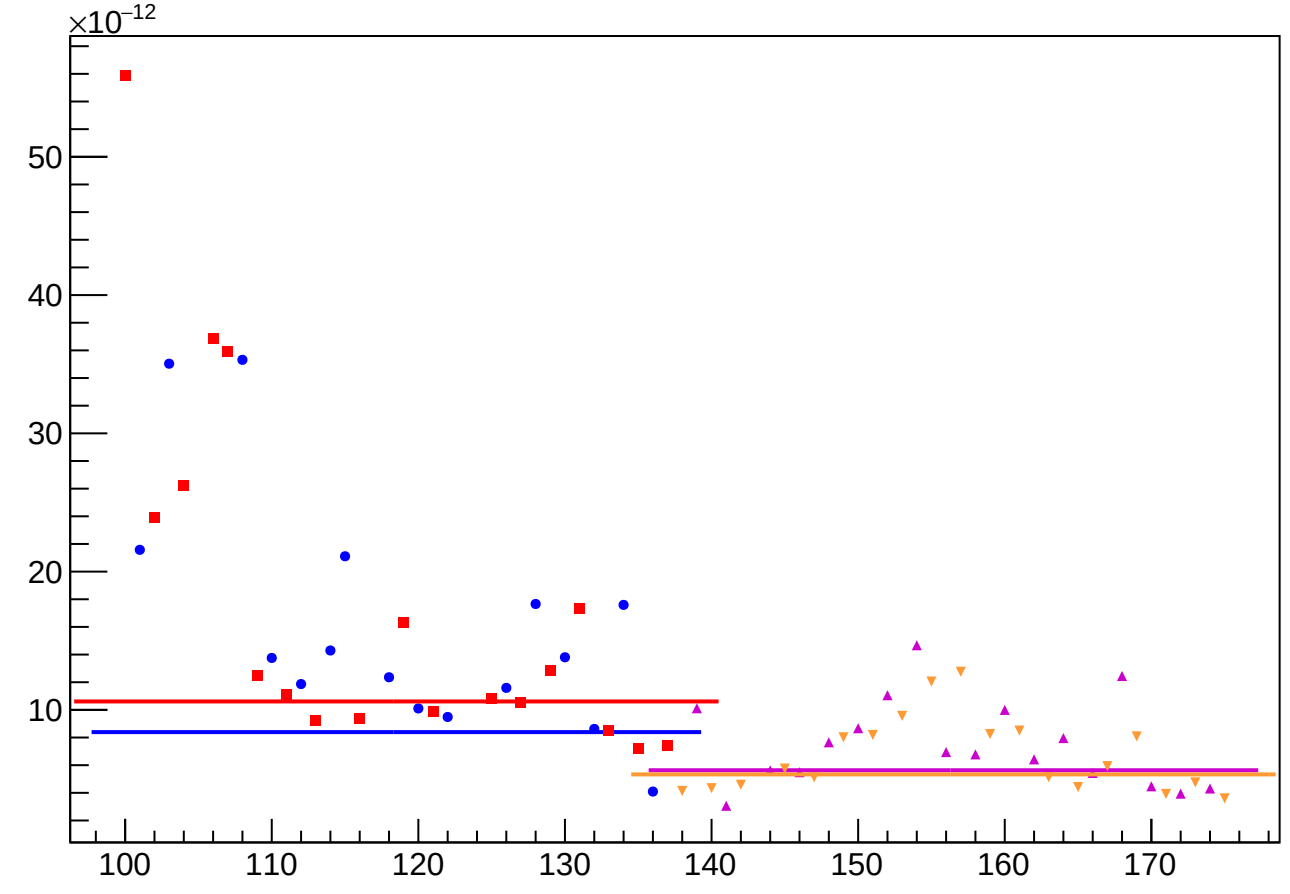
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:15.7/17

+ sign -0.000+/-0.000 χ^2/NDF: 29.6/34

All: 0.000+/-0.000 χ^2/NDF: 66.5/70

- sign 0.000+/-0.000 χ^2/NDF: 36.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2018242.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

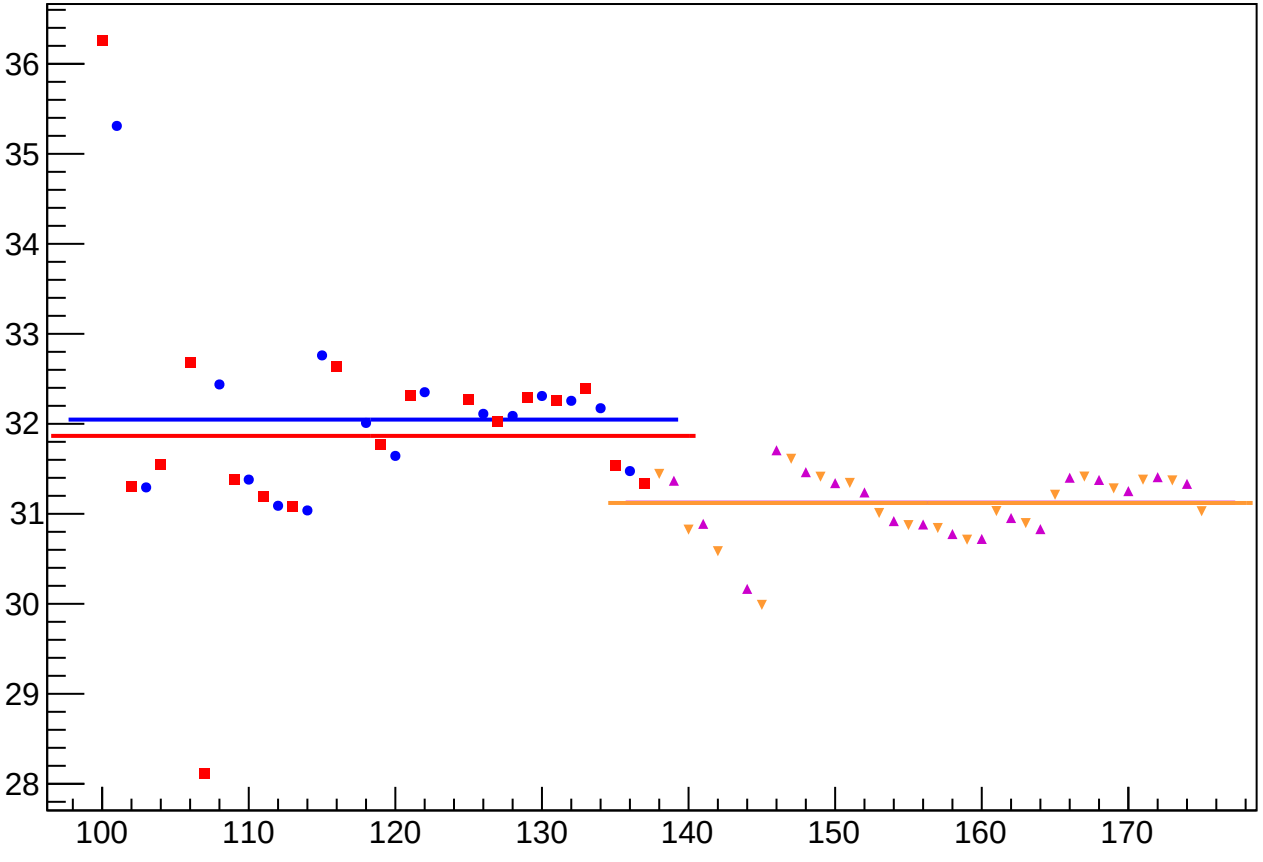
Left In: 0.000+/-0.000 χ^2/NDF:2911663.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 5433323.4/34

All: 0.000+/-0.000 χ^2/NDF: 11027083.1/70

- sign 0.000+/-0.000 χ^2/NDF: 5537165.2/35

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.121+/-0.000 χ^2/NDF:269298372.9/18

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

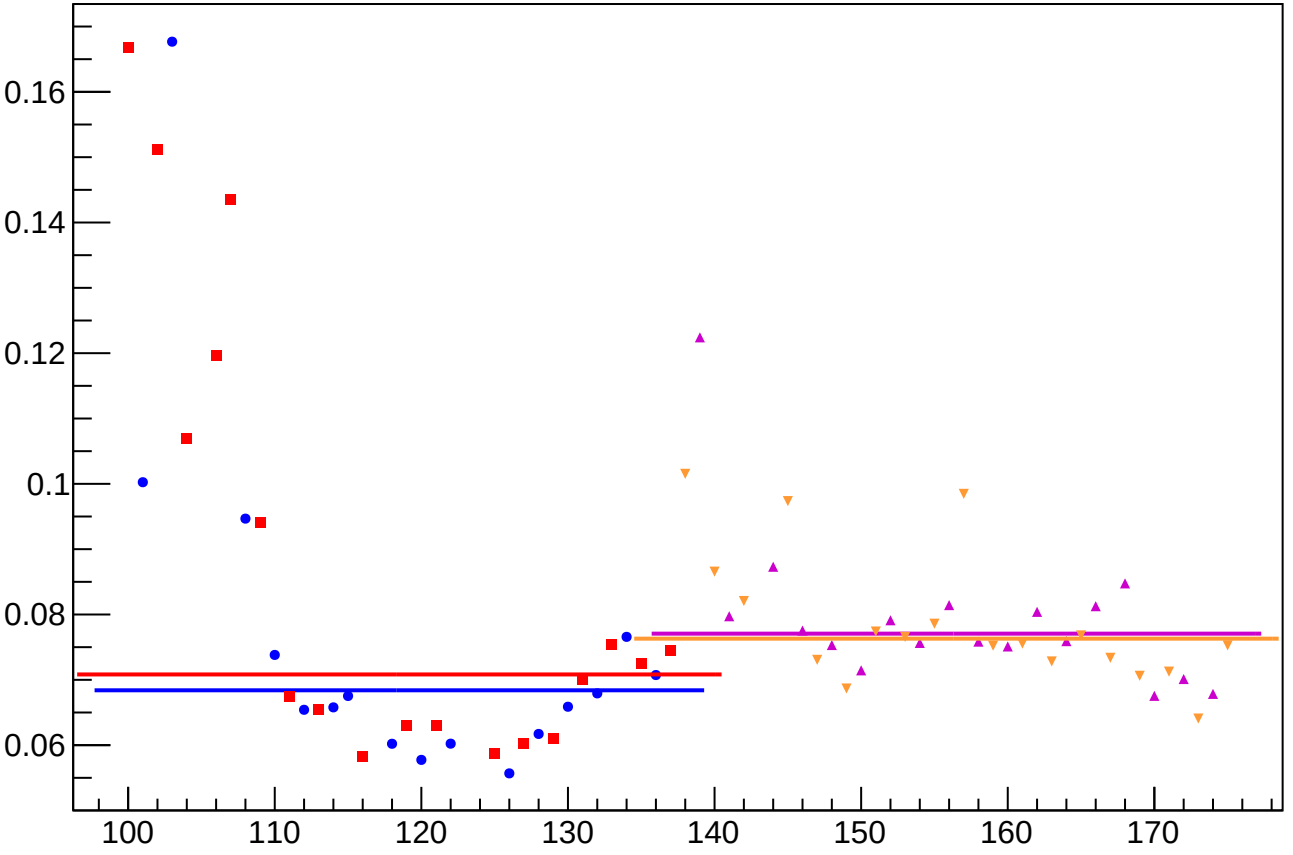
Left In: 31.124+/-0.000 χ^2/NDF:273929093.5/17

+ sign 31.460+/-0.000 χ^2/NDF: 1895726230.4/34

All: 31.425+/-0.000 χ^2/NDF: 3104862893.4/7

- sign 31.388+/-0.000 χ^2/NDF: 1199987065.4/35

yield_usl_rms vs Slug



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.076+/-0.000 χ^2/NDF:351618.6/18

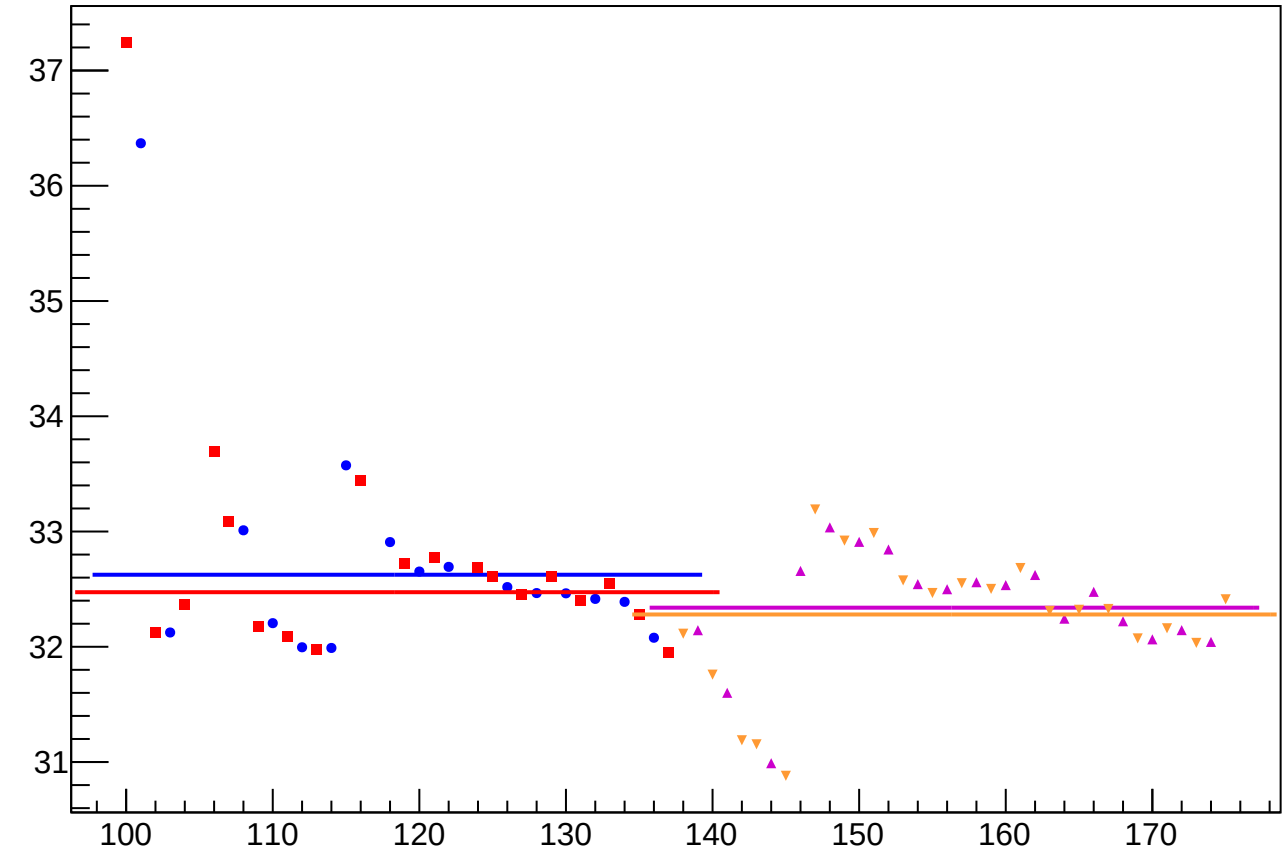
Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.077+/-0.000 χ^2/NDF:351332.9/17

+ sign 0.073+/-0.000 χ^2/NDF: 1160837.3/34

All: 0.074+/-0.000 χ^2/NDF: 2450153.1/70

- sign 0.075+/-0.000 χ^2/NDF: 1281948.9/35



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.280+/-0.000 χ^2/NDF:794871446.8/19

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

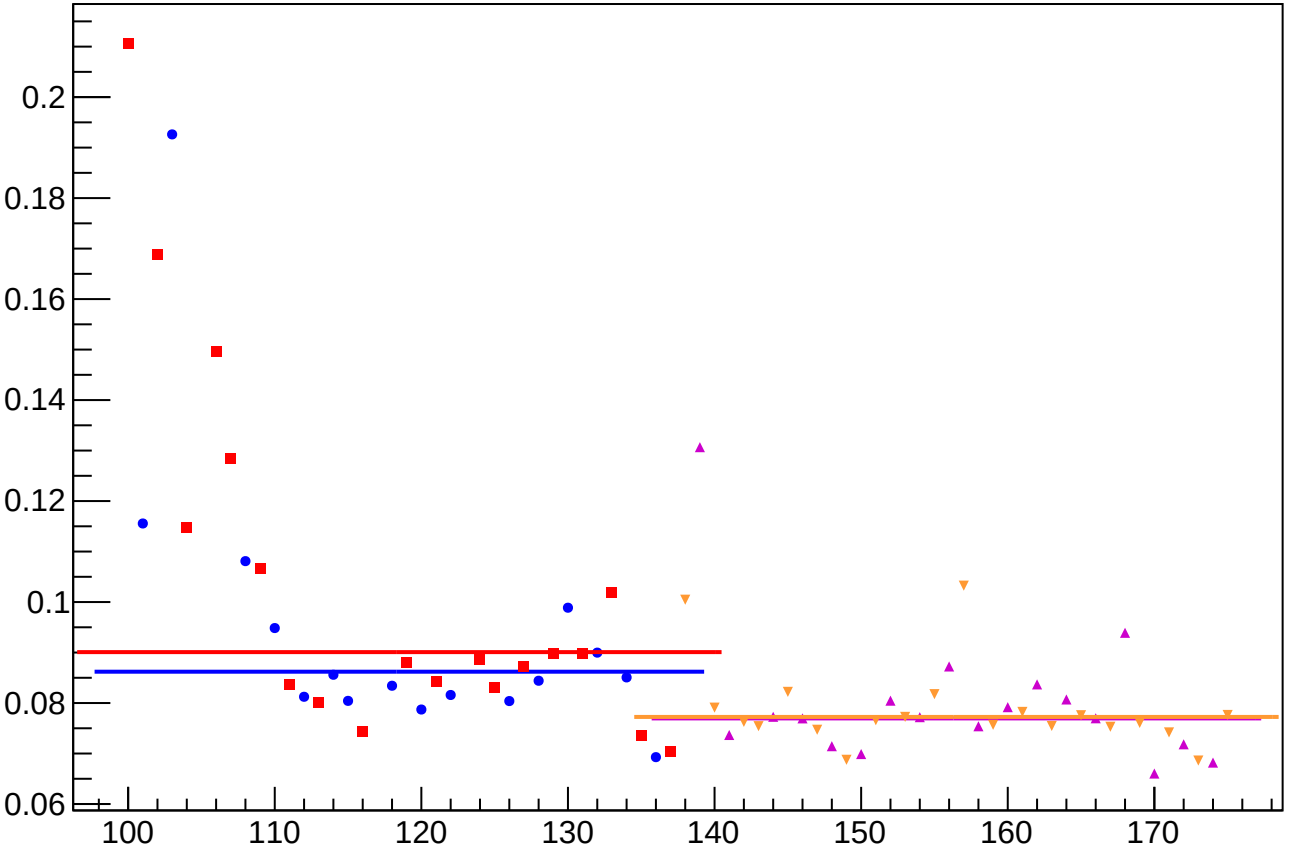
Left In: 32.339+/-0.000 χ^2/NDF:574928908.9/17

+ sign 32.370+/-0.000 χ^2/NDF: 1608332501.5/35

All: 32.372+/-0.000 χ^2/NDF: 2350730862.7/7

- sign 32.374+/-0.000 χ^2/NDF: 742372749.0/36

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.077+/-0.000 χ^2/NDF:229899.8/19

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

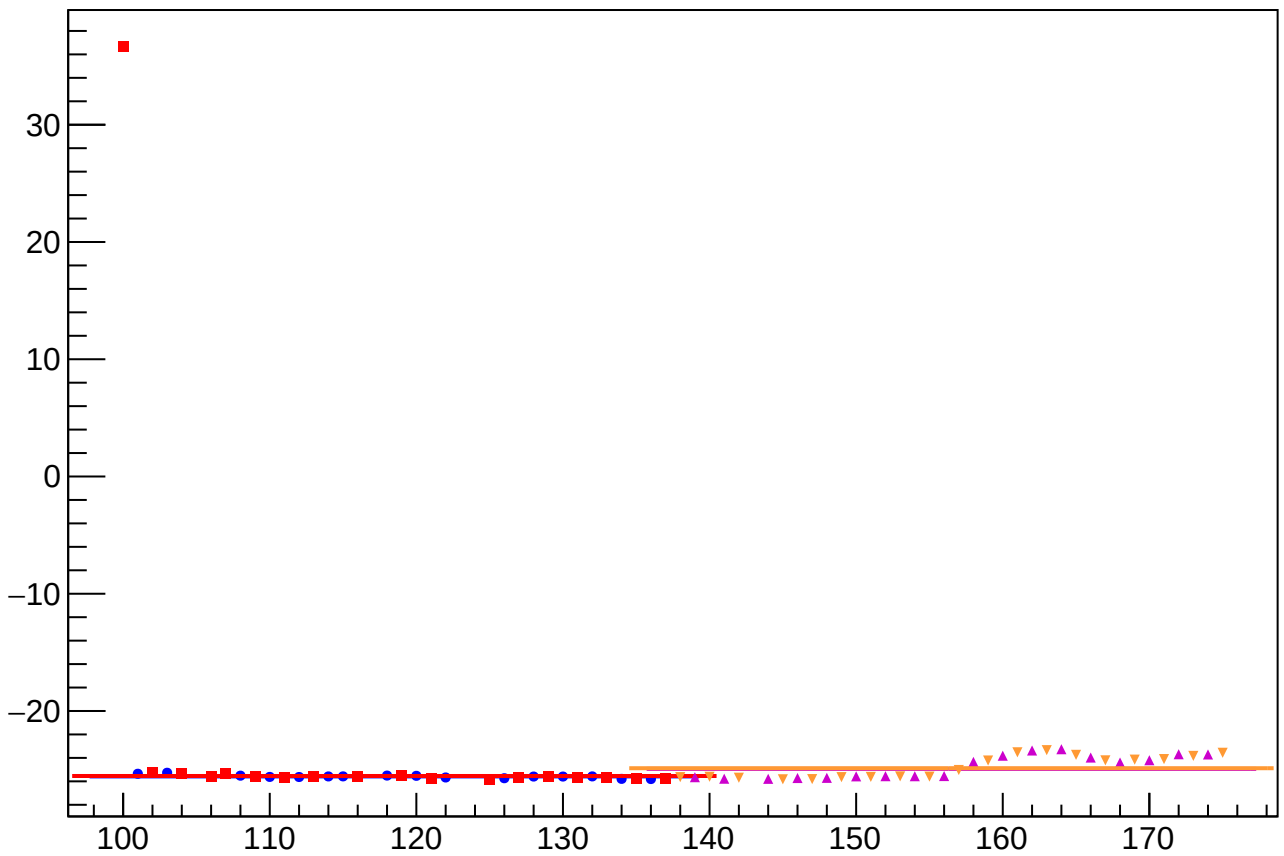
Left In: 0.077+/-0.000 χ^2/NDF:472107.2/17

+ sign 0.080+/-0.000 χ^2/NDF: 928978.8/35

All: 0.080+/-0.000 χ^2/NDF: 2228137.2/72

- sign 0.080+/-0.000 χ^2/NDF: 1297340.5/36

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -24.881+/-0.000 χ^2/NDF:5809105427.8/18

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

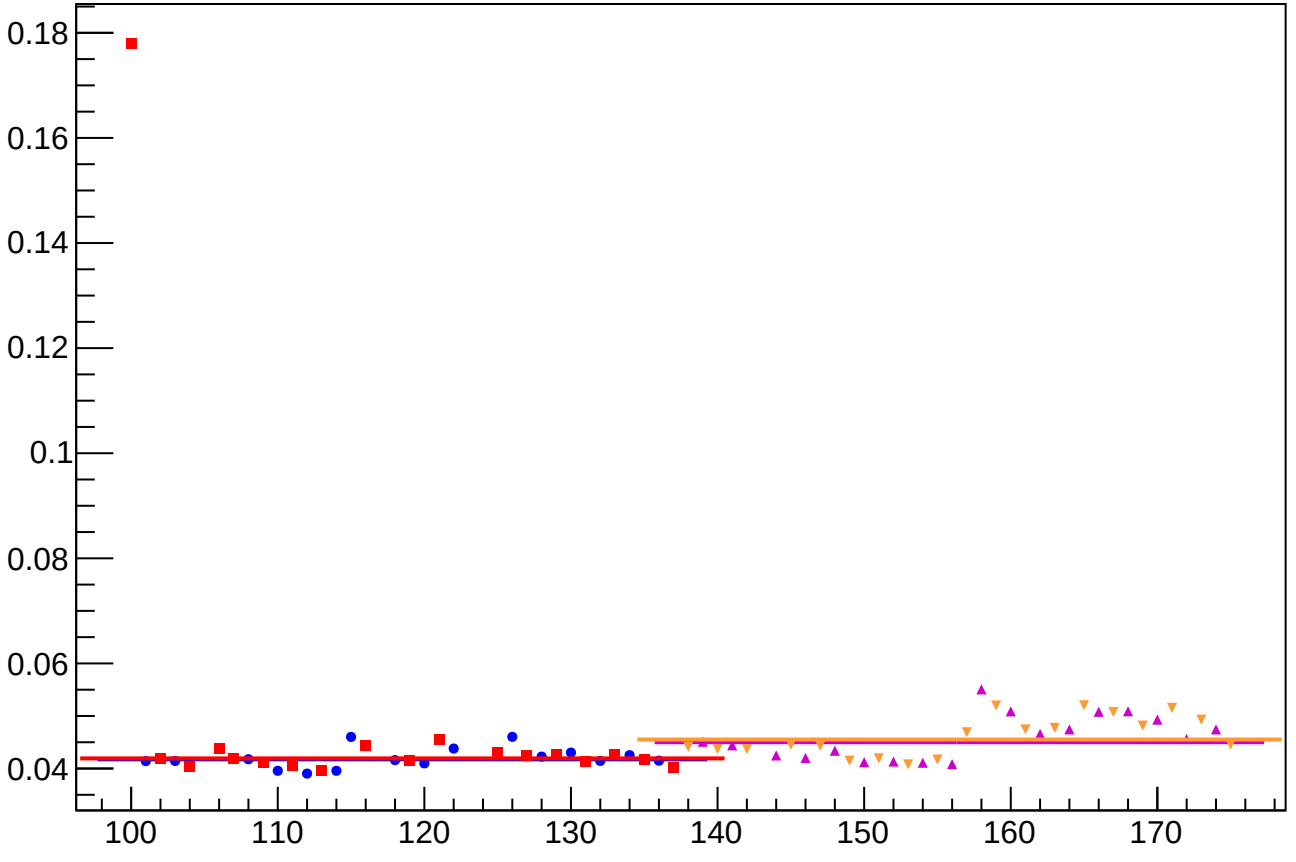
Left In: -24.938+/-0.000 χ^2/NDF:5951333844.3/17

+ sign -25.138+/-0.000 χ^2/NDF: 7172145631.4/34

All: -25.149+/-0.000 χ^2/NDF: 22992194955.1

- sign -25.160+/-0.000 χ^2/NDF: 15817506664.0/35

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.046+/-0.000 χ^2/NDF:174875.3/18

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

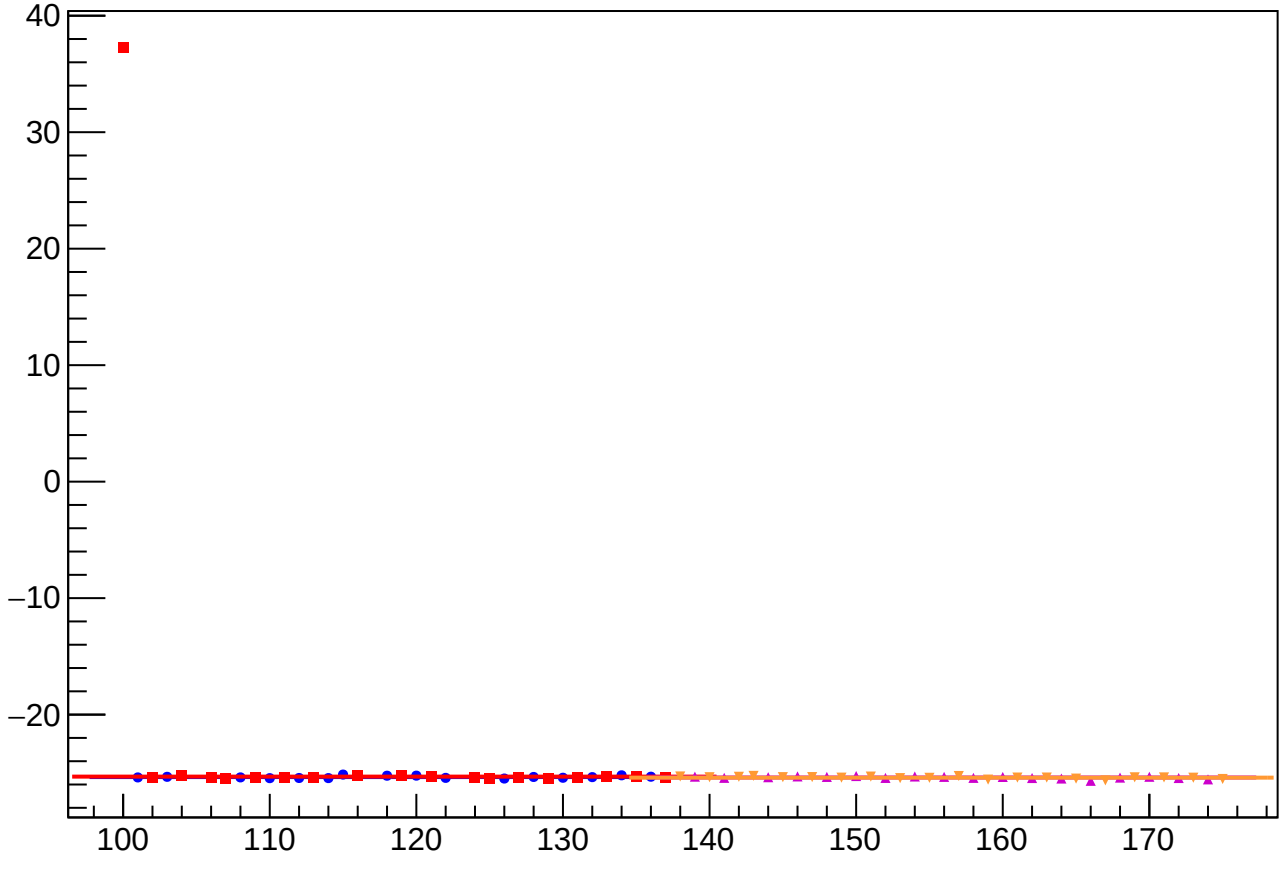
Left In: 0.045+/-0.000 χ^2/NDF:215956.5/17

+ sign 0.044+/-0.000 χ^2/NDF: 269467.4/34

All: 0.044+/-0.000 χ^2/NDF: 635803.1/70

- sign 0.044+/-0.000 χ^2/NDF: 365644.0/35

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.411+/-0.000 χ^2/NDF:46097104.8/19

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

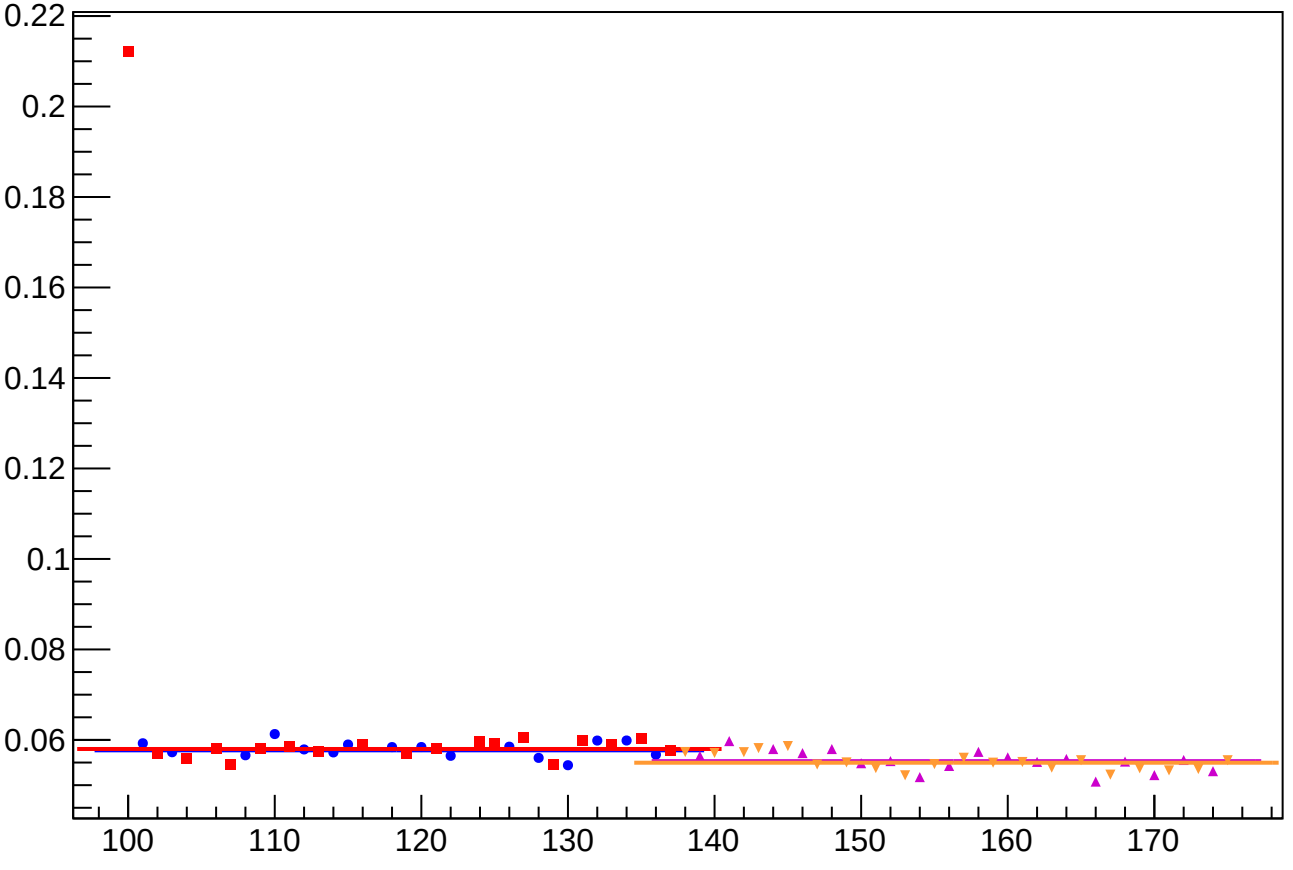
Left In: -25.398+/-0.000 χ^2/NDF:41764002.7/17

+ sign -25.396+/-0.000 χ^2/NDF: 63156289.4/35

All: -25.385+/-0.000 χ^2/NDF: 6429954284.0/

- sign -25.374+/-0.000 χ^2/NDF: 6365121962.7/36

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.055+/-0.000 χ^2/NDF:31667.8/19

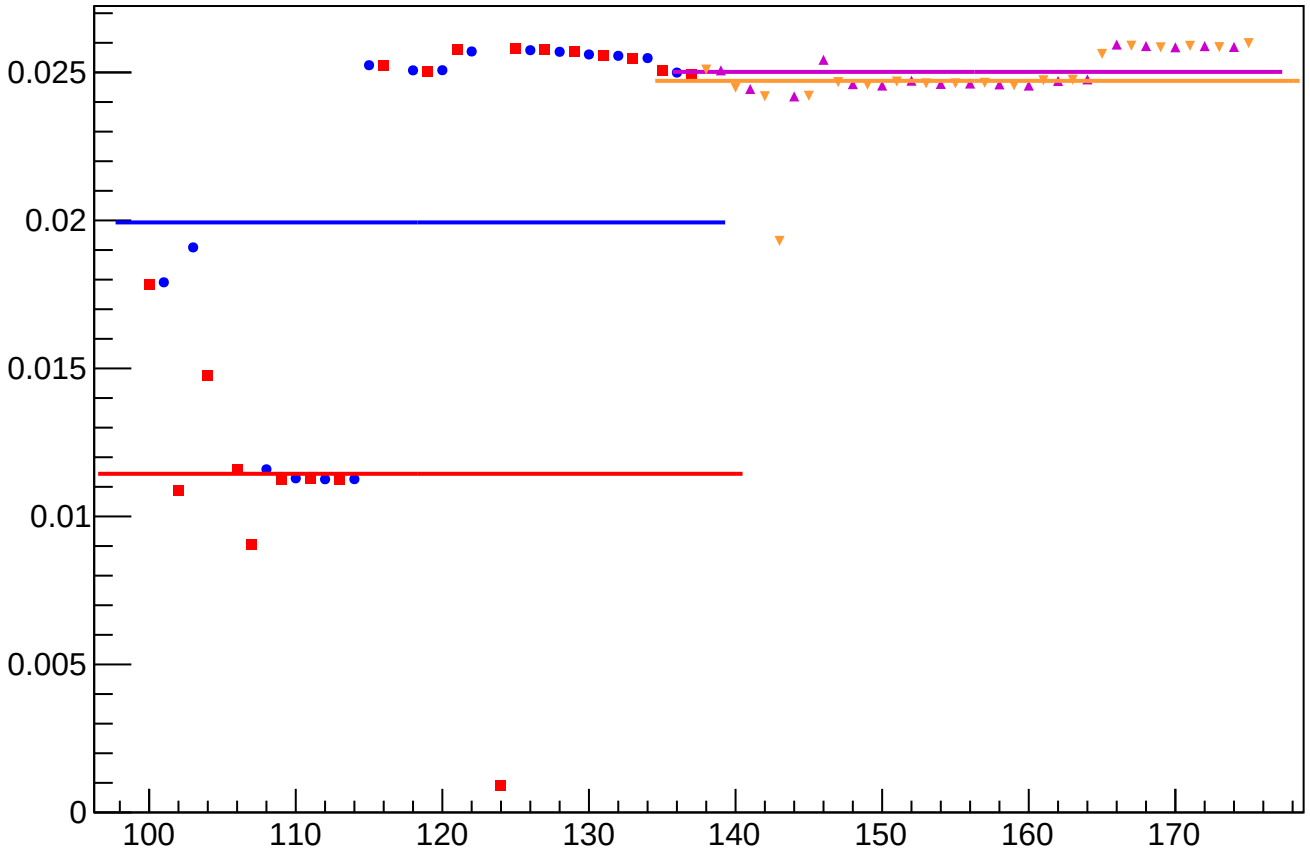
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:47250.9/17

+ sign 0.056+/-0.000 χ^2/NDF: 65672.0/35

All: 0.056+/-0.000 χ^2/NDF: 223964.5/72

- sign 0.056+/-0.000 χ^2/NDF: 157242.0/36



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:6618499545.4/19

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

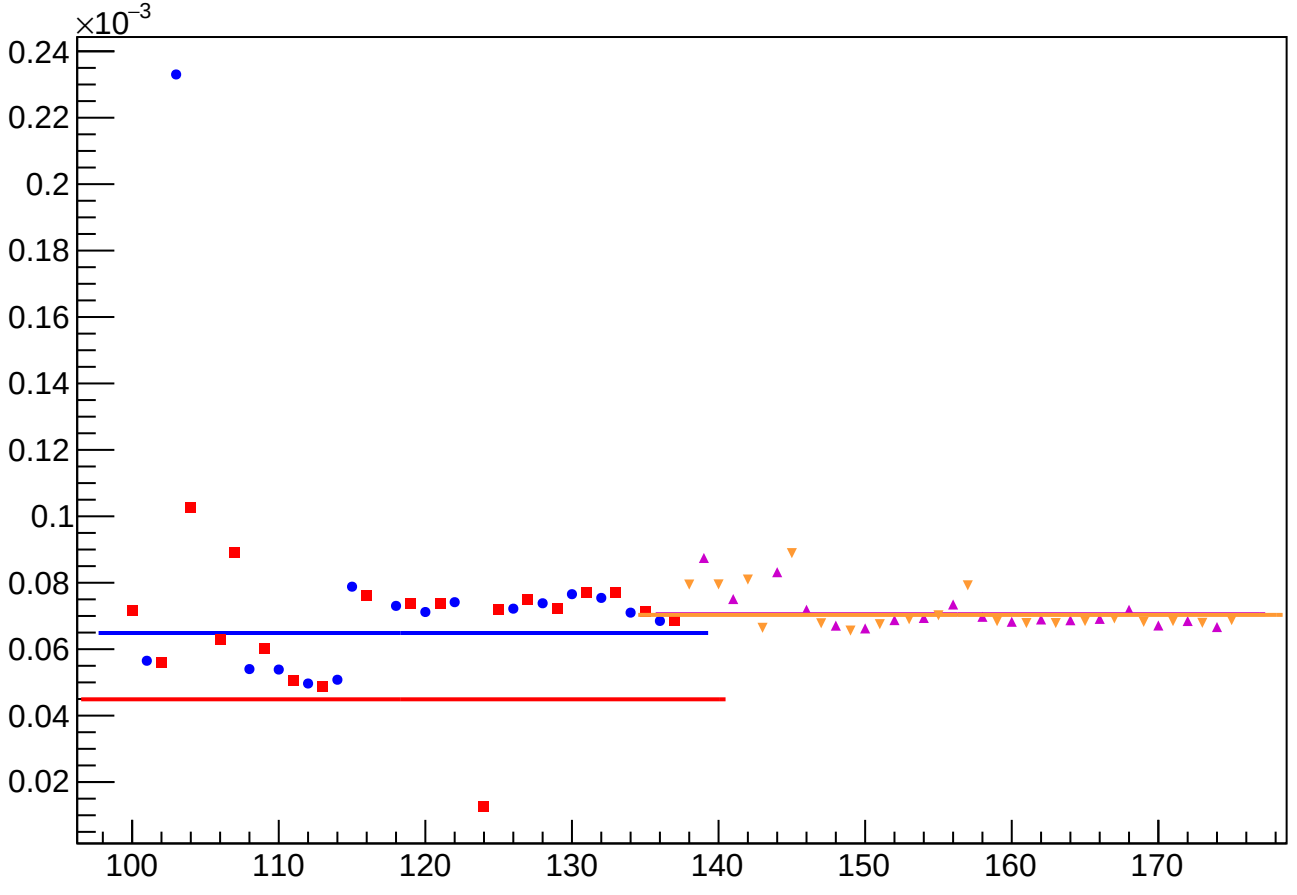
Left In: 0.025+/-0.000 χ^2/NDF:1018610994.5/17

+ sign 0.023+/-0.000 χ^2/NDF: 92854558153.9/35

All: 0.021+/-0.000 χ^2/NDF: 645928837943.2

- sign 0.019+/-0.000 χ^2/NDF: 504473694827.1/36

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:175349.1/19

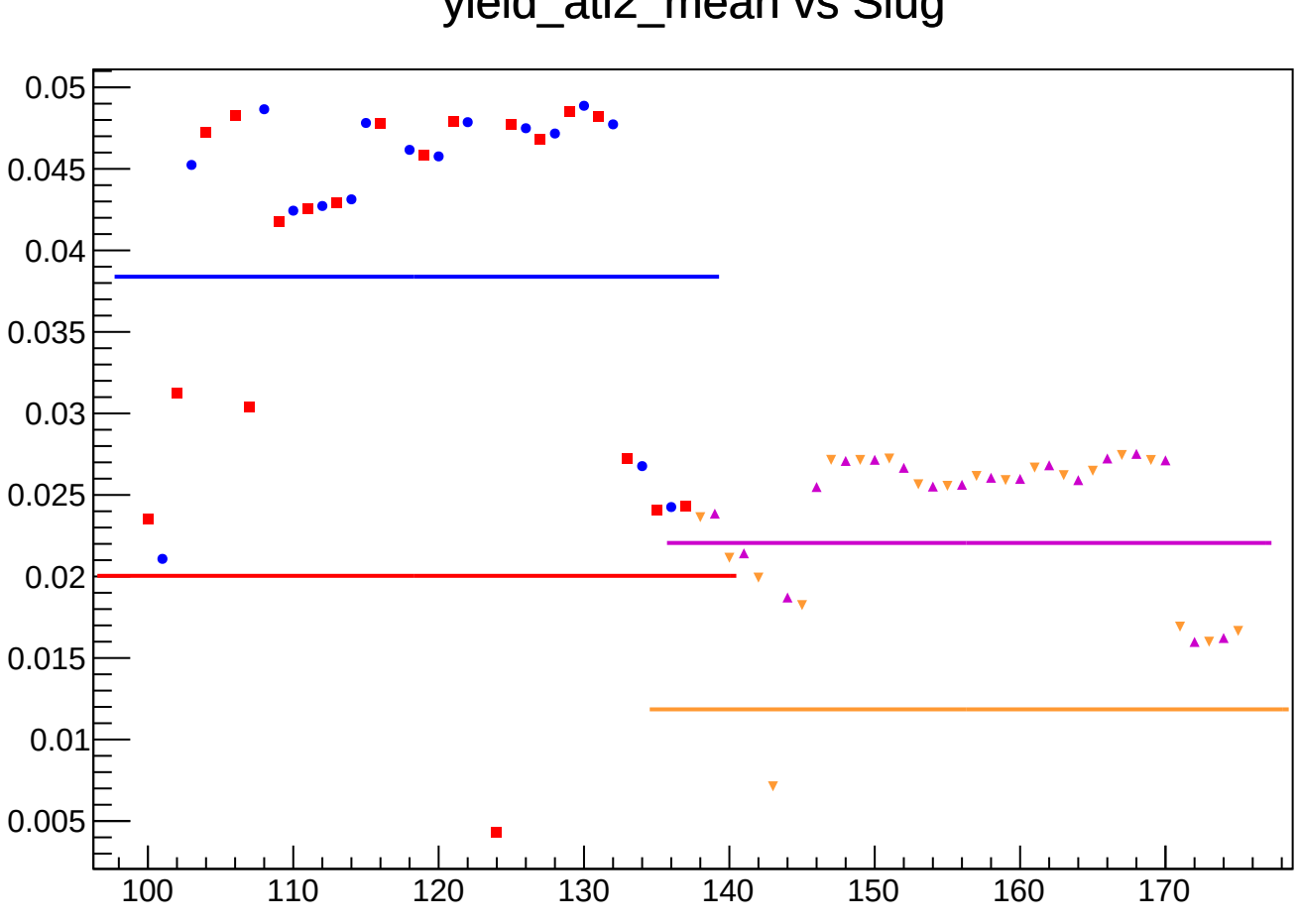
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:139358.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 1054088.1/35

All: 0.000+/-0.000 χ^2/NDF: 7230679.0/72

- sign 0.000+/-0.000 χ^2/NDF: 5688724.3/36



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:34496443753.4/19

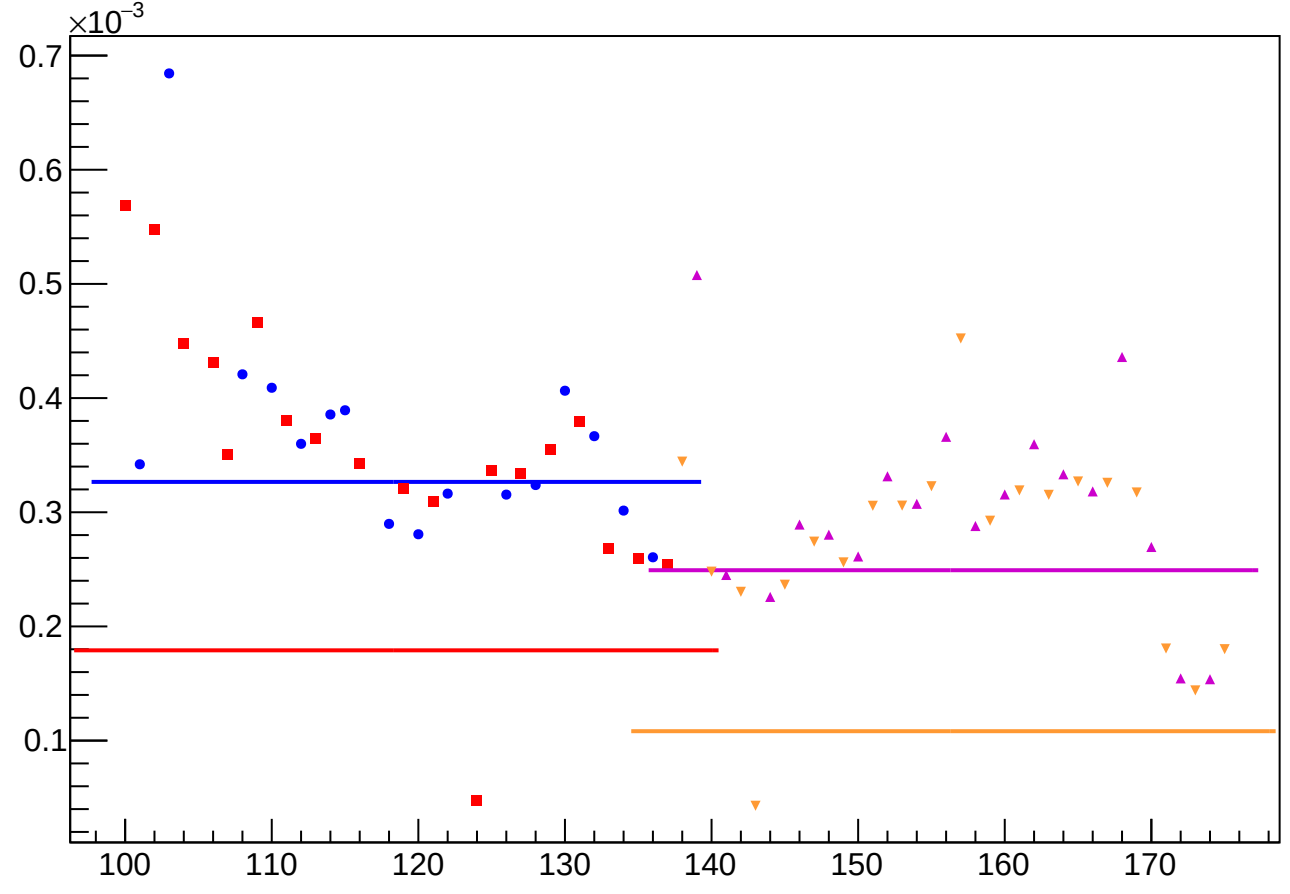
Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.022+/-0.000 χ^2/NDF:4531037051.1/17

+ sign 0.014+/-0.000 χ^2/NDF: 79762082792.0/35

All: 0.016+/-0.000 χ^2/NDF: 138237563543.4

- sign 0.021+/-0.000 χ^2/NDF: 47023184417.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13551643.4/19

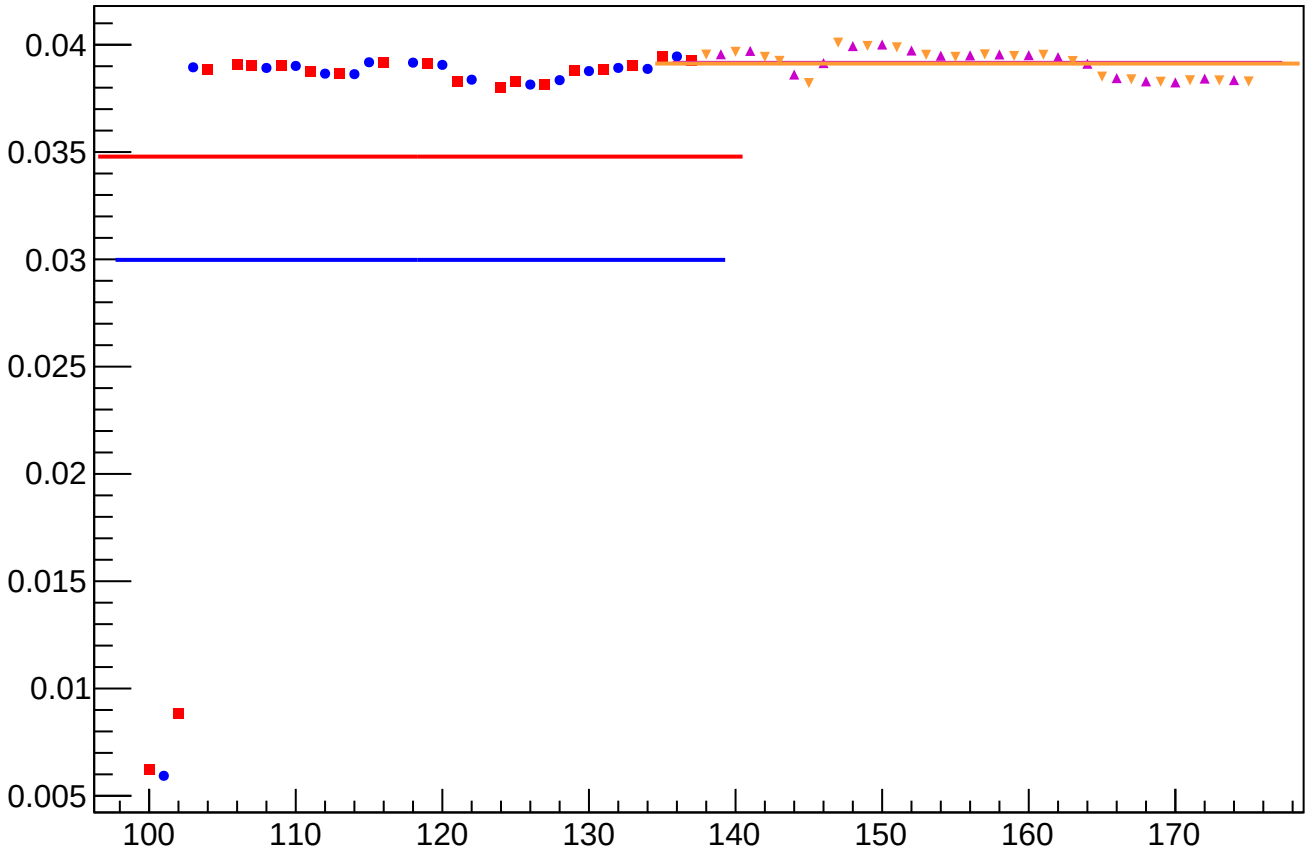
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2637195.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 19304925.4/35

All: 0.000+/-0.000 χ^2/NDF: 32401098.7/72

- sign 0.000+/-0.000 χ^2/NDF: 9041995.1/36



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:371920294.2/19

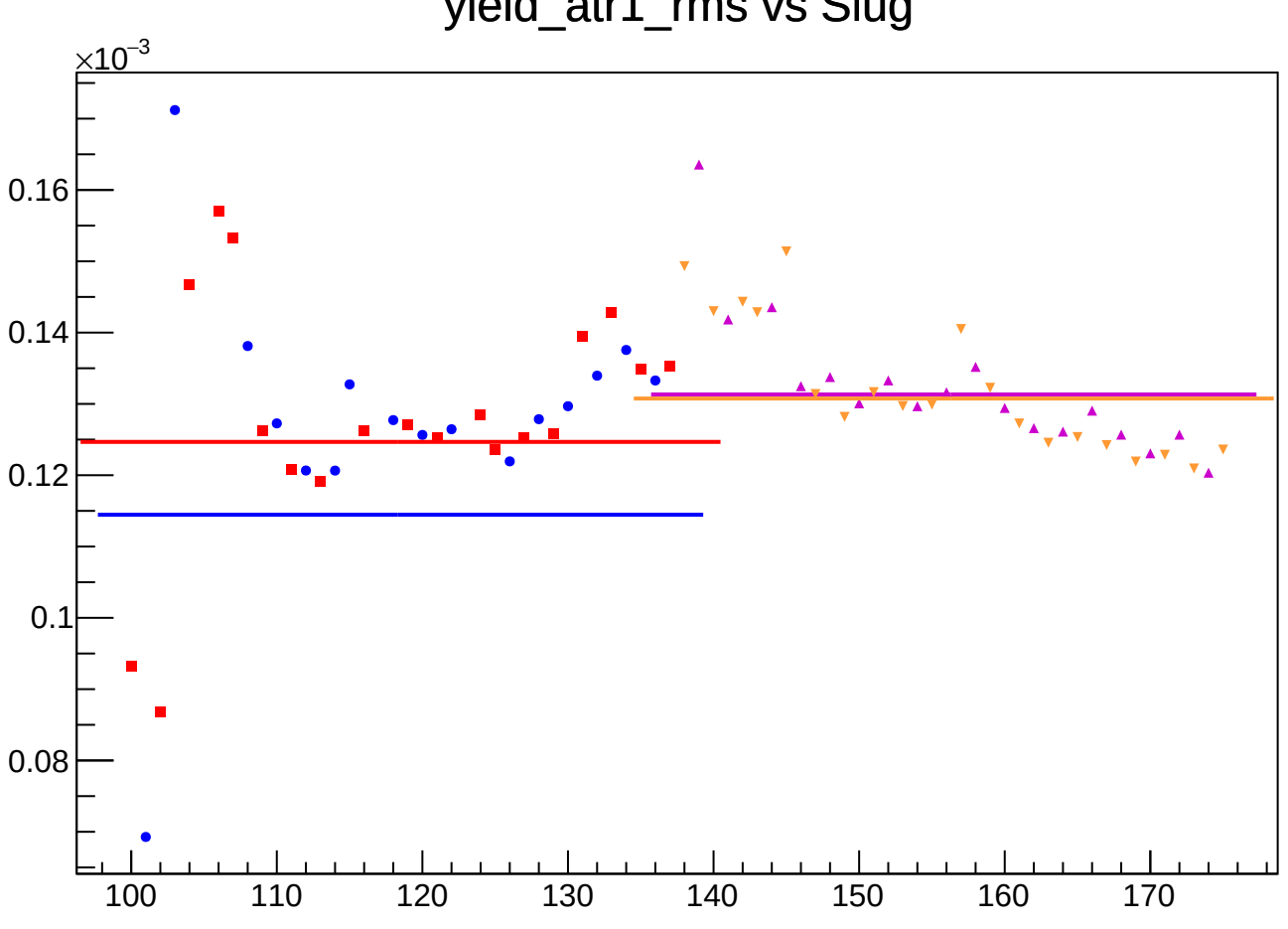
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:305834373.7/17

+ sign 0.036+/-0.000 χ^2/NDF: 135814568937.9/35

All: 0.037+/-0.000 χ^2/NDF: 191148502518.8

- sign 0.038+/-0.000 χ^2/NDF: 53127611696.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:133739.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

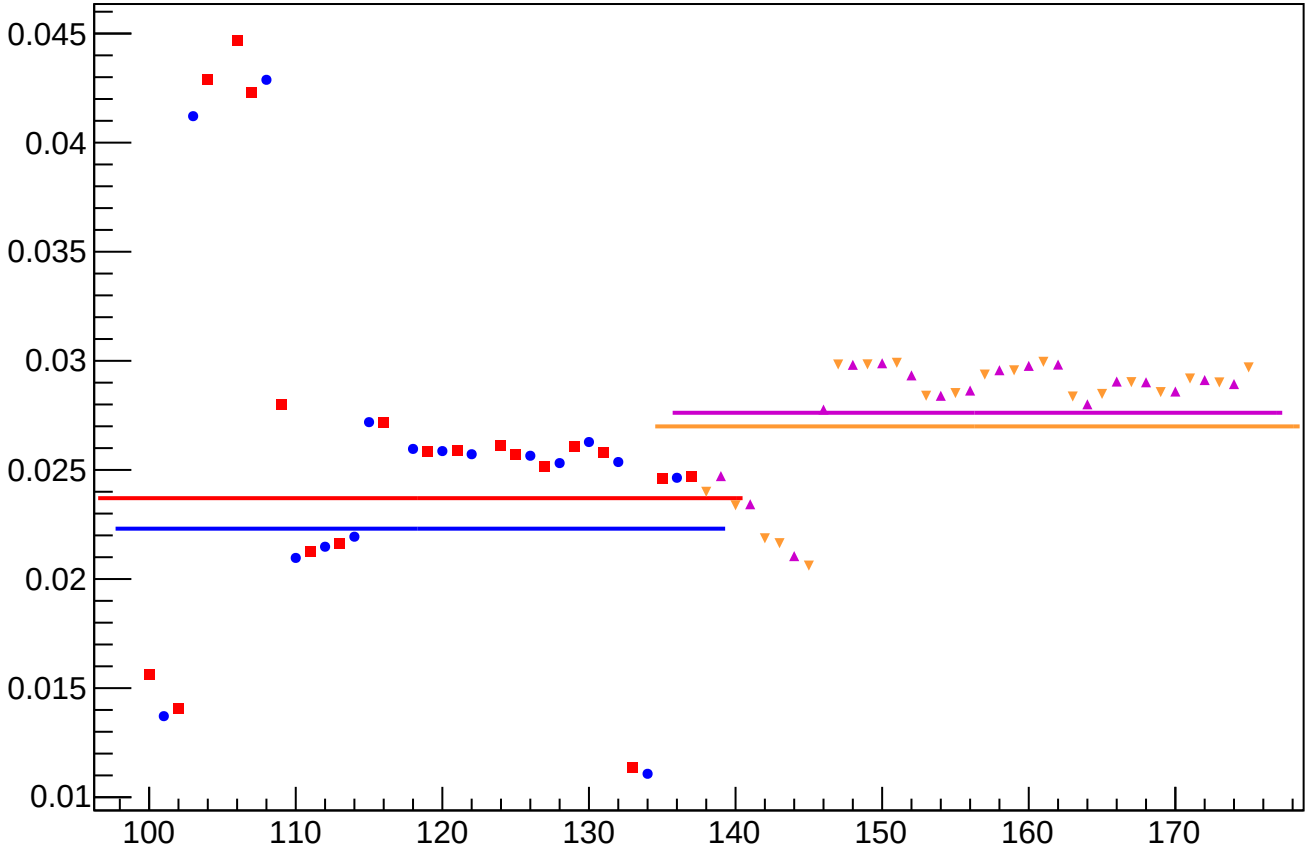
Left In: 0.000+/-0.000 χ^2/NDF:121578.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 1159274.2/35

All: 0.000+/-0.000 χ^2/NDF: 1589970.2/72

- sign 0.000+/-0.000 χ^2/NDF: 407752.1/36

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.027+/-0.000 χ^2/NDF:2028580294.6/19

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

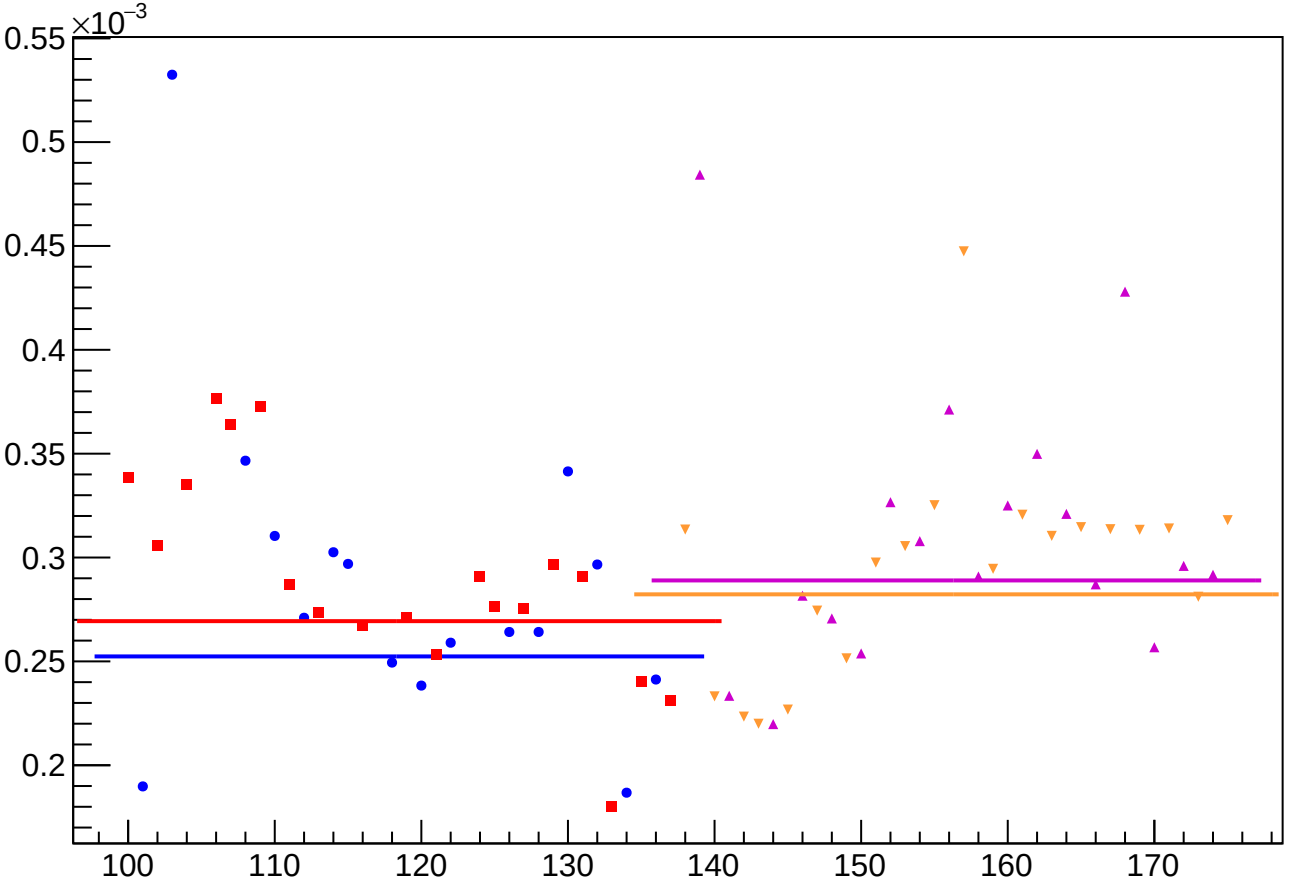
Left In: 0.028+/-0.000 χ^2/NDF:1333246830.1/17

+ sign 0.025+/-0.000 χ^2/NDF: 8421841699.8/35

All: 0.026+/-0.000 χ^2/NDF: 16318163217.1/7

- sign 0.026+/-0.000 χ^2/NDF: 7790183895.1/36

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:676624.1/19

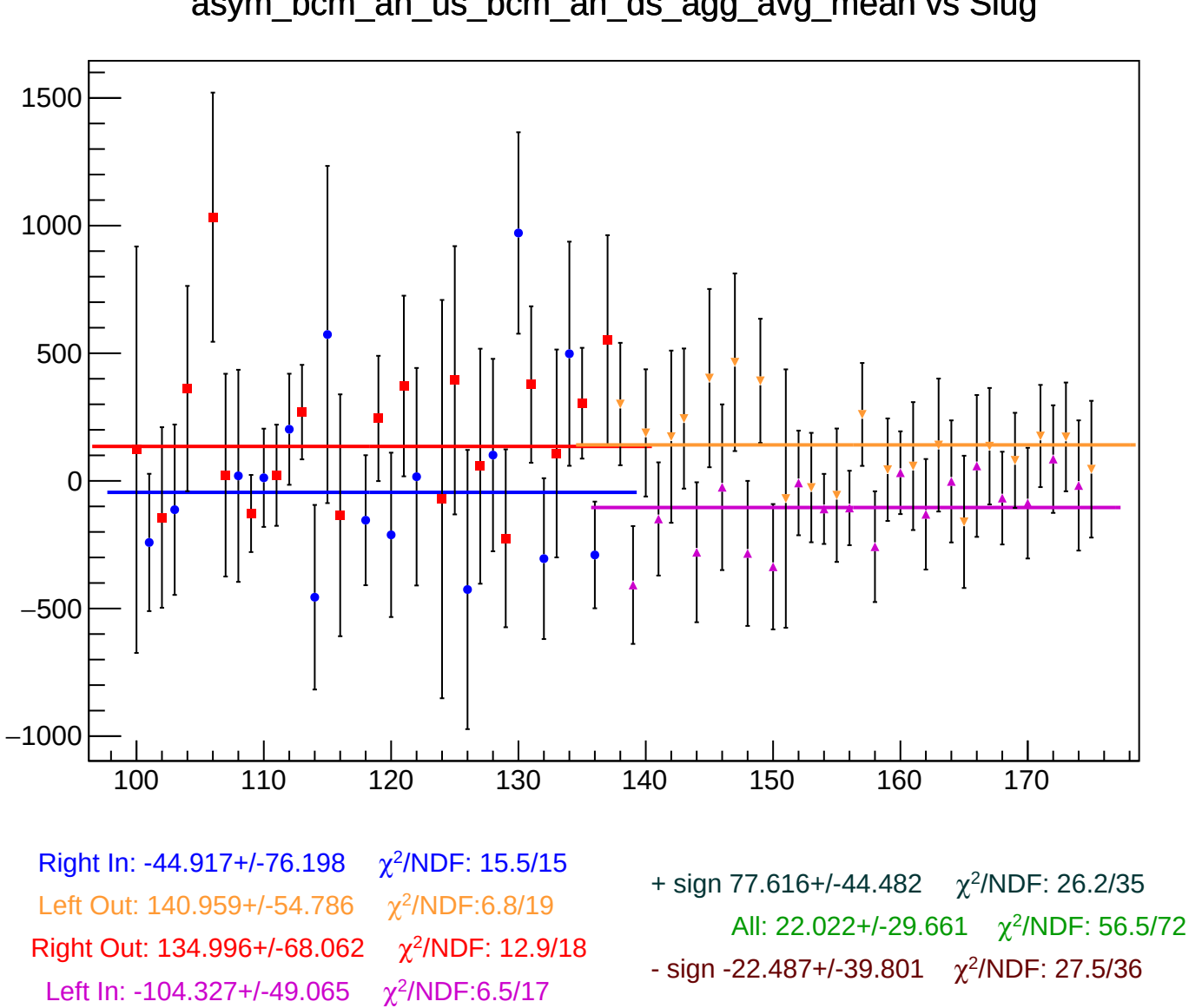
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:922996.9/17

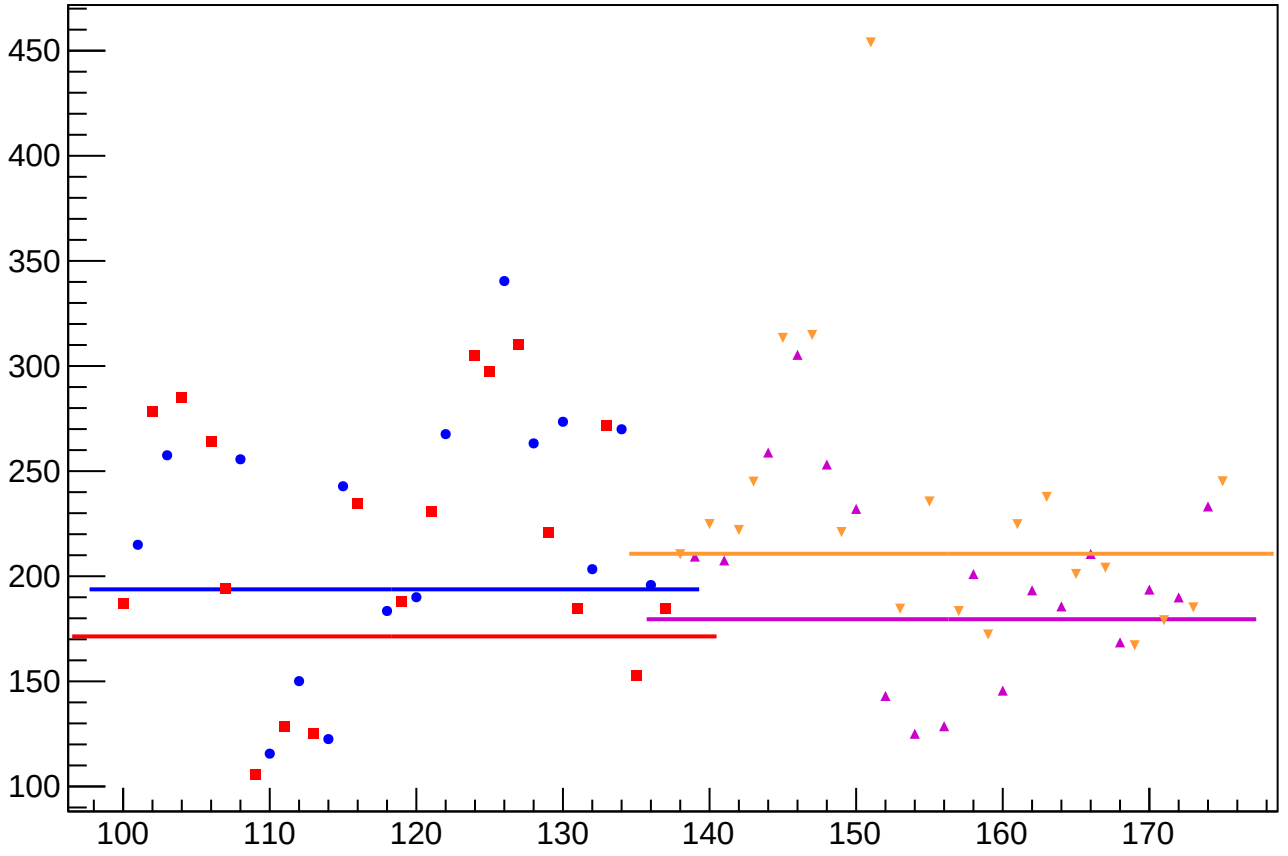
+ sign 0.000+/-0.000 χ^2/NDF: 1496791.3/35

All: 0.000+/-0.000 χ^2/NDF: 2938163.7/72

- sign 0.000+/-0.000 χ^2/NDF: 1413248.3/36


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -44.917+/-76.198 χ²/NDF: 15.5/15
Left Out: 140.959+/-54.786 χ²/NDF:6.8/19
Right Out: 134.996+/-68.062 χ²/NDF: 12.9/18
Left In: -104.327+/-49.065 χ²/NDF:6.5/17
+ sign 77.616+/-44.482 χ²/NDF: 26.2/35
All: 22.022+/-29.661 χ²/NDF: 56.5/72
- sign -22.487+/-39.801 χ²/NDF: 27.5/36

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 210.704+/-0.039 χ^2/NDF:1268208.0/19

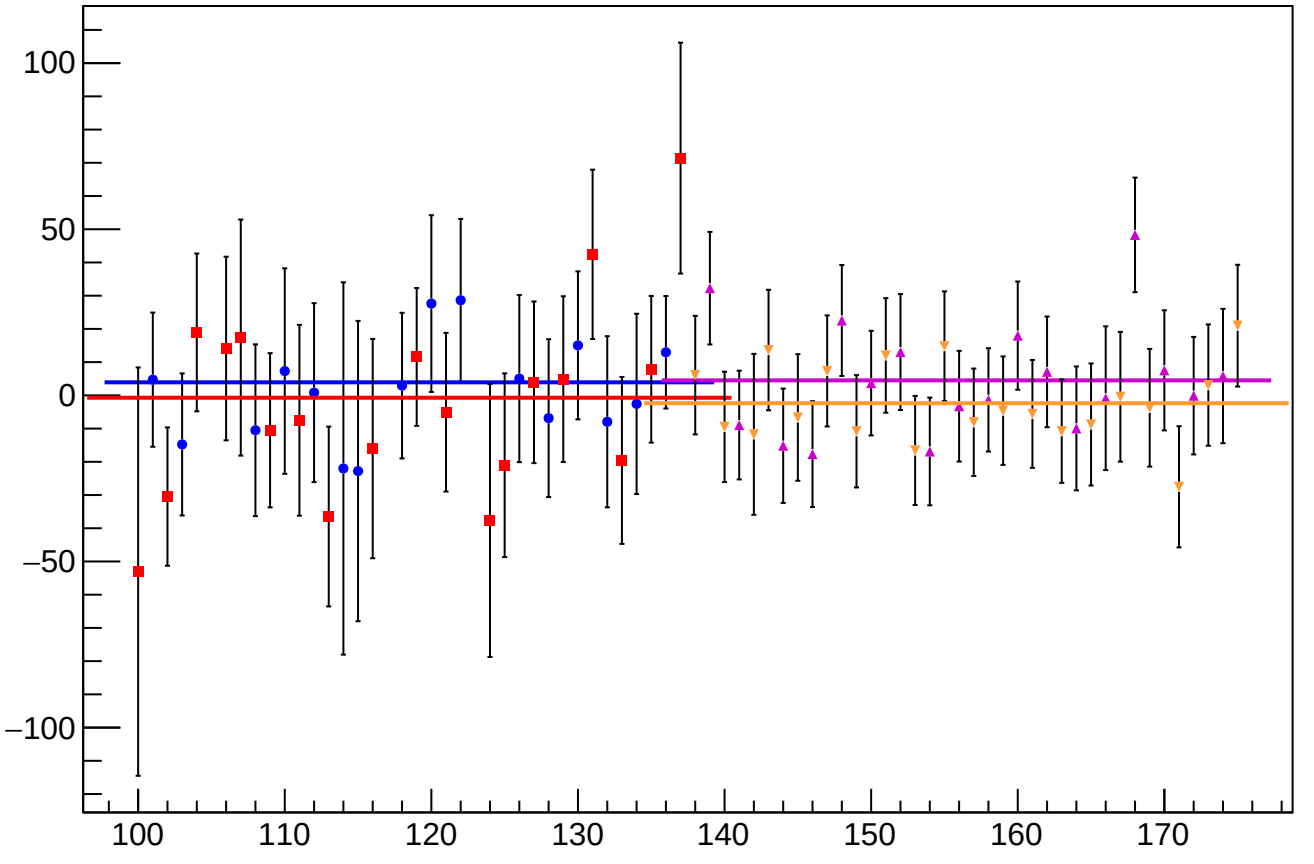
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 179.552+/-0.035 χ^2/NDF:1631554.8/17

+ sign 204.932+/-0.031 χ^2/NDF: 2381437.0/35

All: 189.286+/-0.021 χ^2/NDF: 6135631.4/72

- sign 176.758+/-0.028 χ^2/NDF: 3308600.7/36



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -2.360+/-3.912 χ^2/NDF:8.7/19

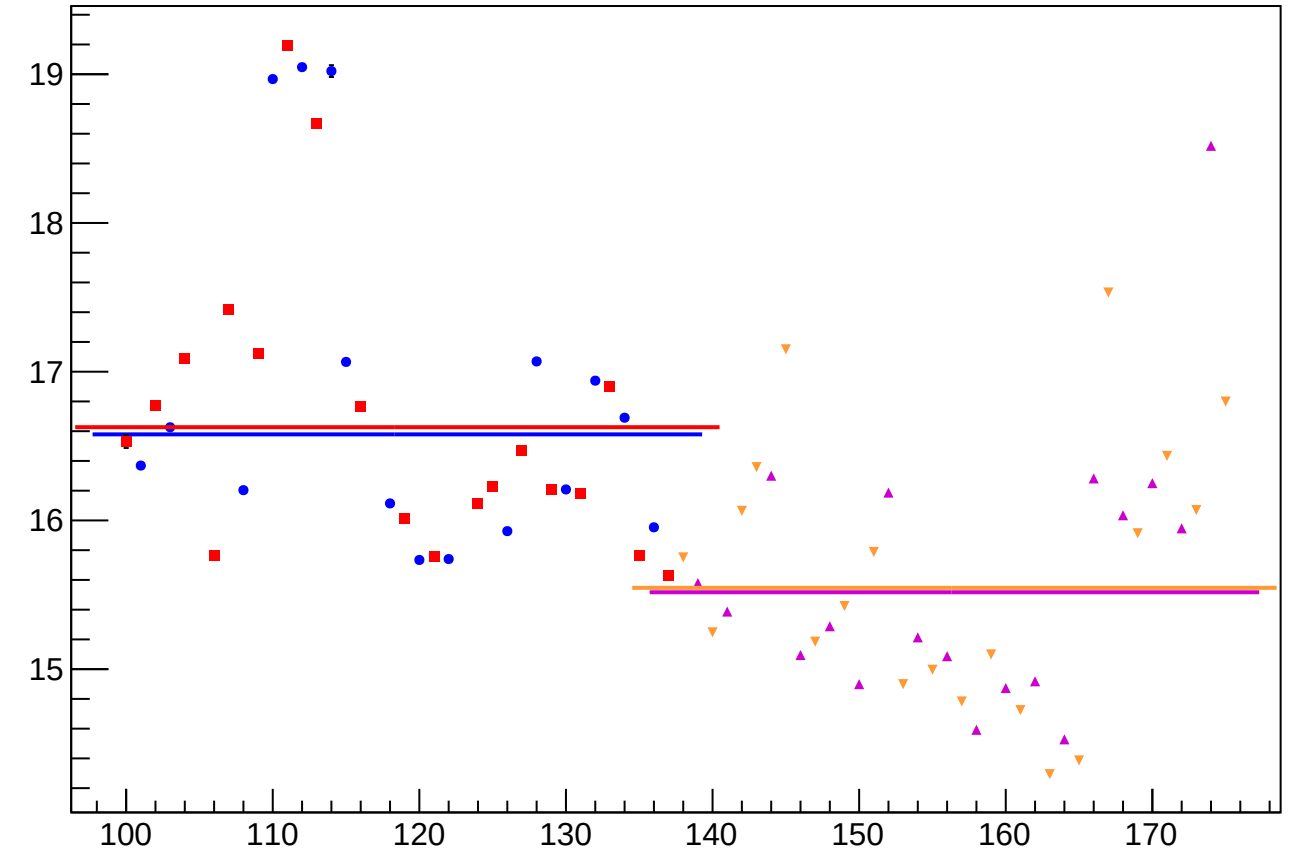
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 4.511+/-4.035 χ^2/NDF:18.0/17

\+ sign -0.559+/-3.304 χ^2/NDF: 14.0/35

All: 1.147+/-2.356 χ^2/NDF: 48.9/72

\- sign 2.912+/-3.361 χ^2/NDF: 34.4/36



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.547+/-0.003 χ^2/NDF:96044.2/19

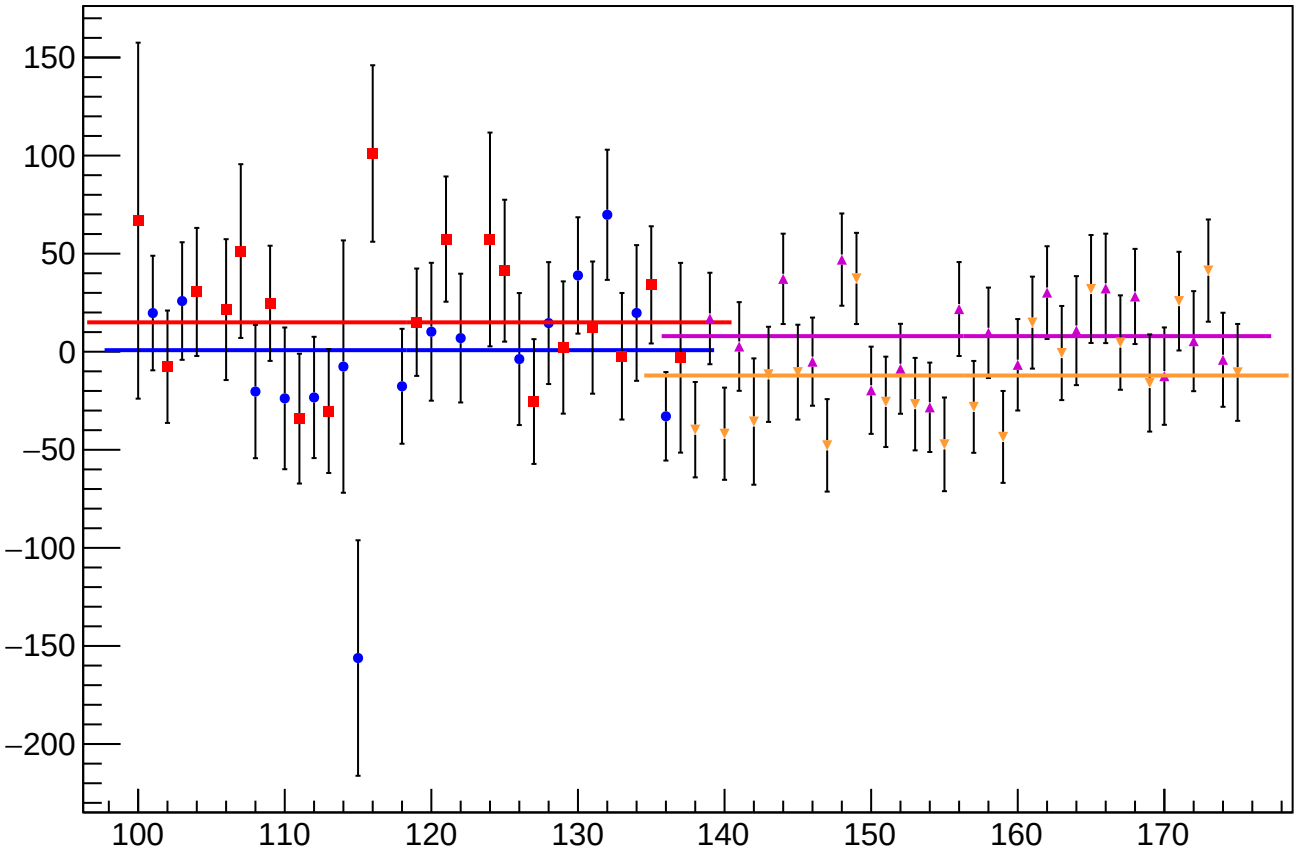
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.517+/-0.003 χ^2/NDF:85458.9/17

\+ sign 15.843+/-0.002 χ^2/NDF: 180496.2/35

All: 15.849+/-0.002 χ^2/NDF: 355735.5/72

\- sign 15.857+/-0.002 χ^2/NDF: 175221.6/36



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -12.120+/-5.461 χ^2/NDF:26.5/19

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

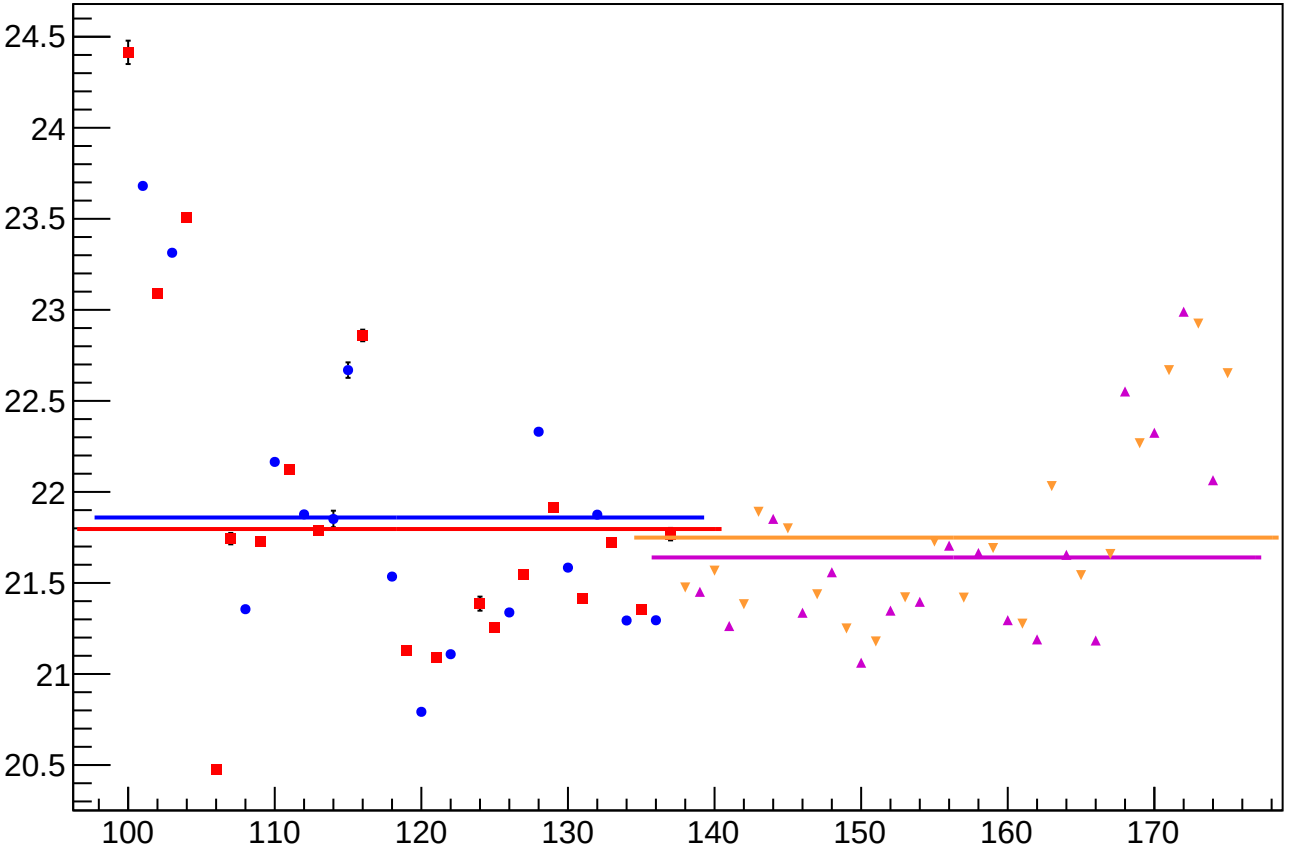
Left In: 7.948+/-5.612 χ^2/NDF:13.5/17

\+ sign -8.102+/-4.532 χ^2/NDF: 46.9/35

All: 0.985+/-3.223 χ^2/NDF: 84.4/72

\- sign 10.286+/-4.585 χ^2/NDF: 29.4/36

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.860+/-0.006 χ^2/NDF: 19468.1/15

Left Out: 21.749+/-0.004 χ^2/NDF:15522.2/19

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

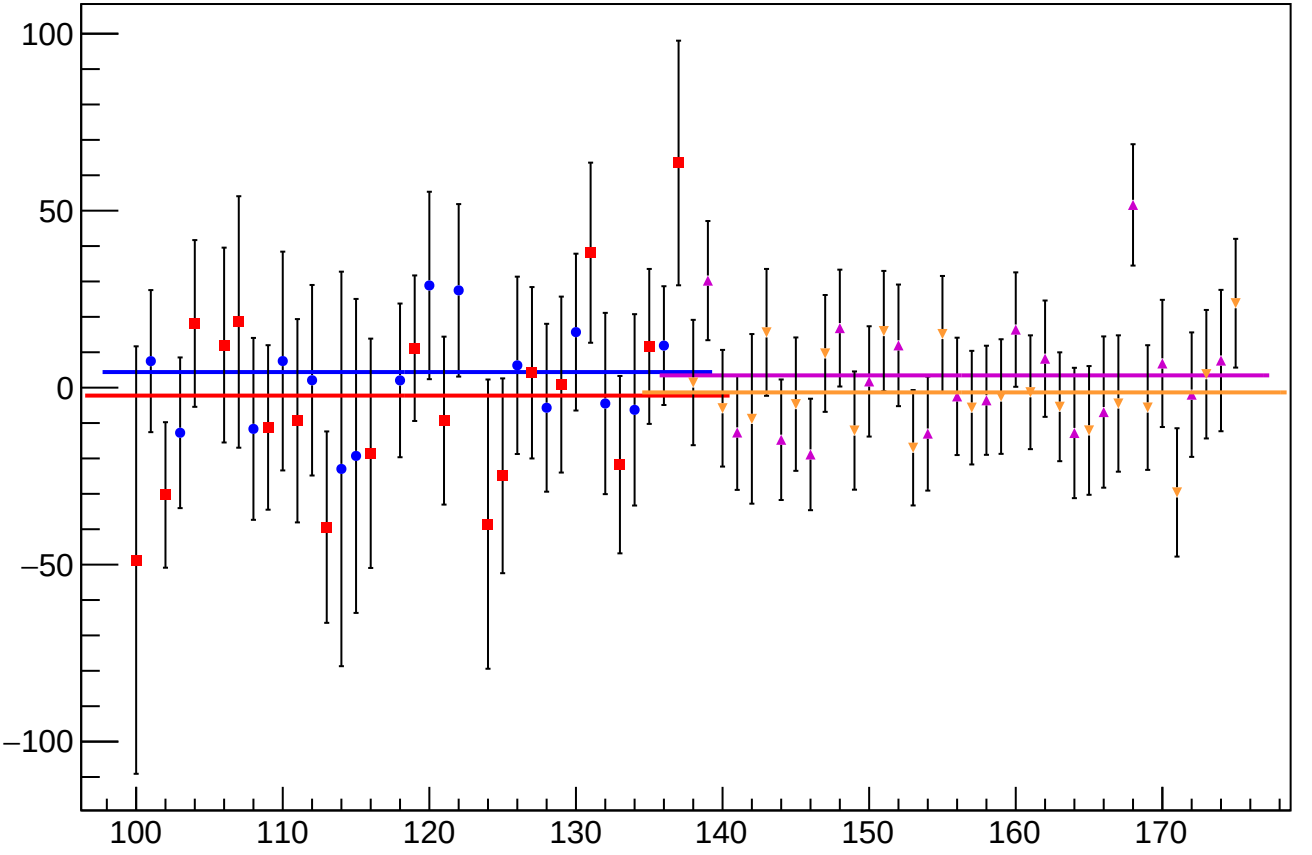
Left In: 21.640+/-0.004 χ^2/NDF:15439.2/17

+ sign 21.784+/-0.003 χ^2/NDF: 35244.6/35

All: 21.738+/-0.002 χ^2/NDF: 70462.4/72

- sign 21.692+/-0.003 χ^2/NDF: 34814.9/36

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -1.343+/-3.876 χ^2/NDF:10.0/19

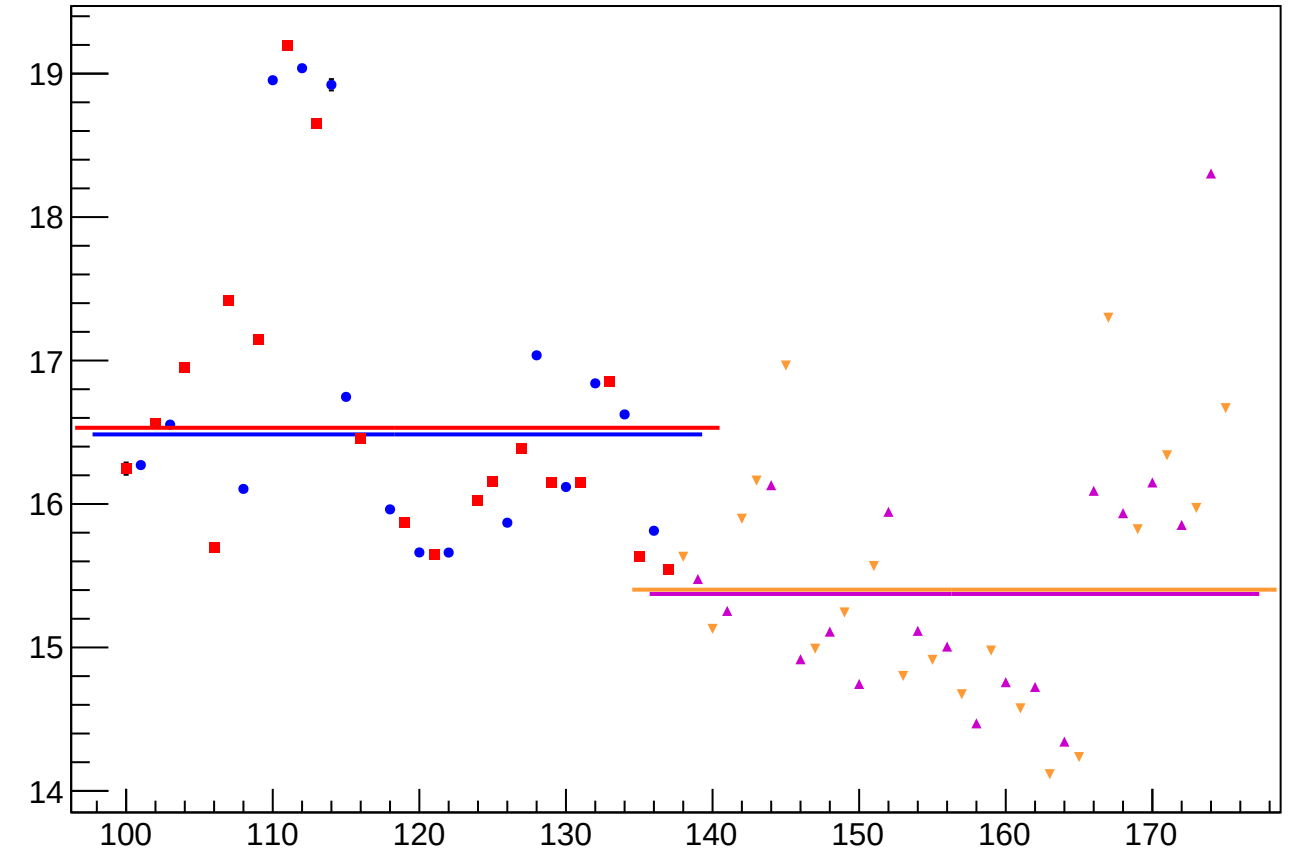
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 3.469+/-3.997 χ^2/NDF:18.8/17

+ sign 0.296+/-3.277 χ^2/NDF: 14.9/35

All: 1.001+/-2.337 χ^2/NDF: 49.7/72

- sign 1.730+/-3.334 χ^2/NDF: 34.8/36



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.403+/-0.003 χ^2/NDF:95724.8/19

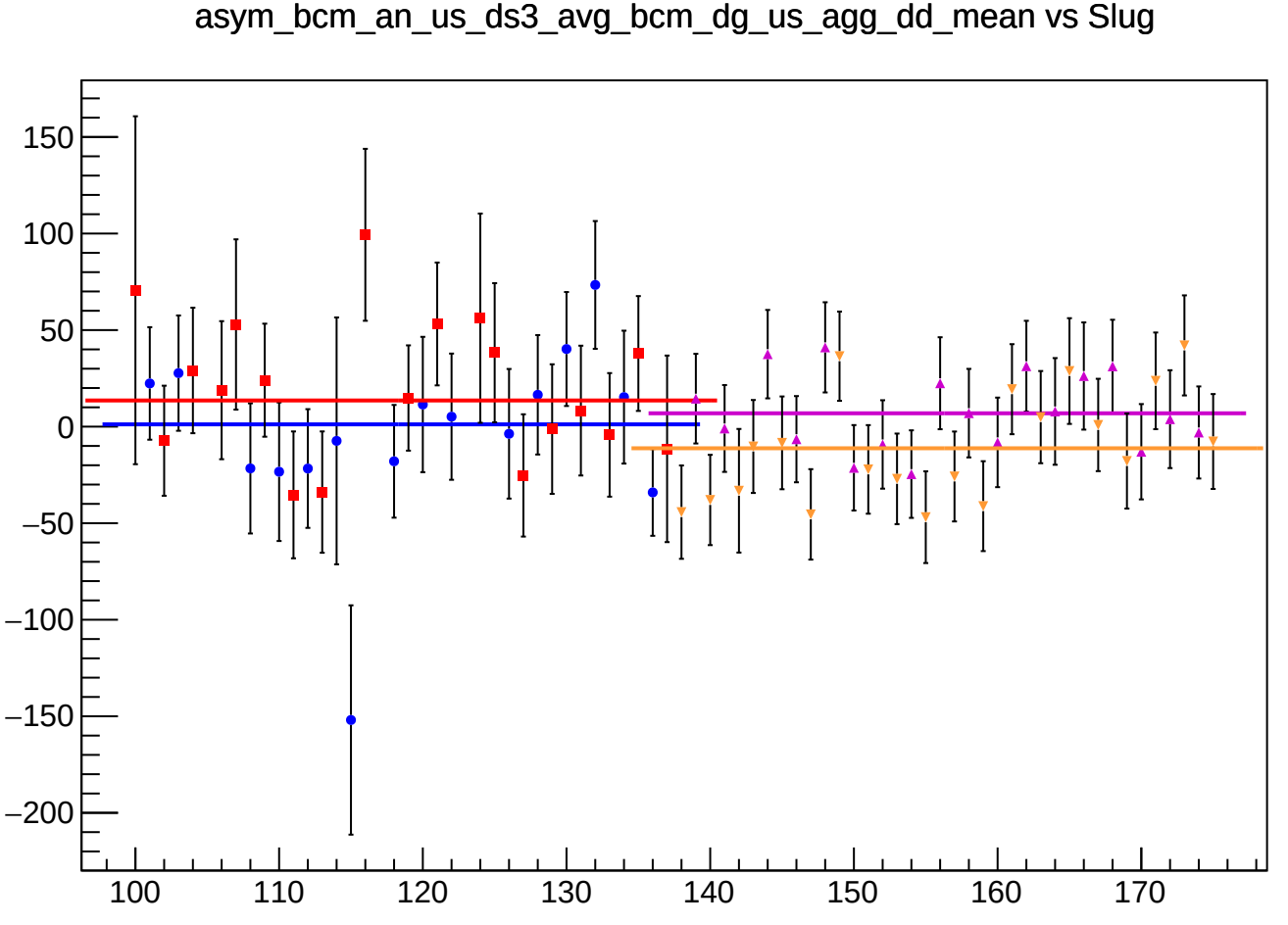
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.373+/-0.003 χ^2/NDF:85133.0/17

+ sign 15.711+/-0.002 χ^2/NDF: 187369.1/35

All: 15.718+/-0.002 χ^2/NDF: 370137.7/72

- sign 15.725+/-0.002 χ^2/NDF: 182750.8/36



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -11.204+/-5.430 χ^2/NDF:25.9/19

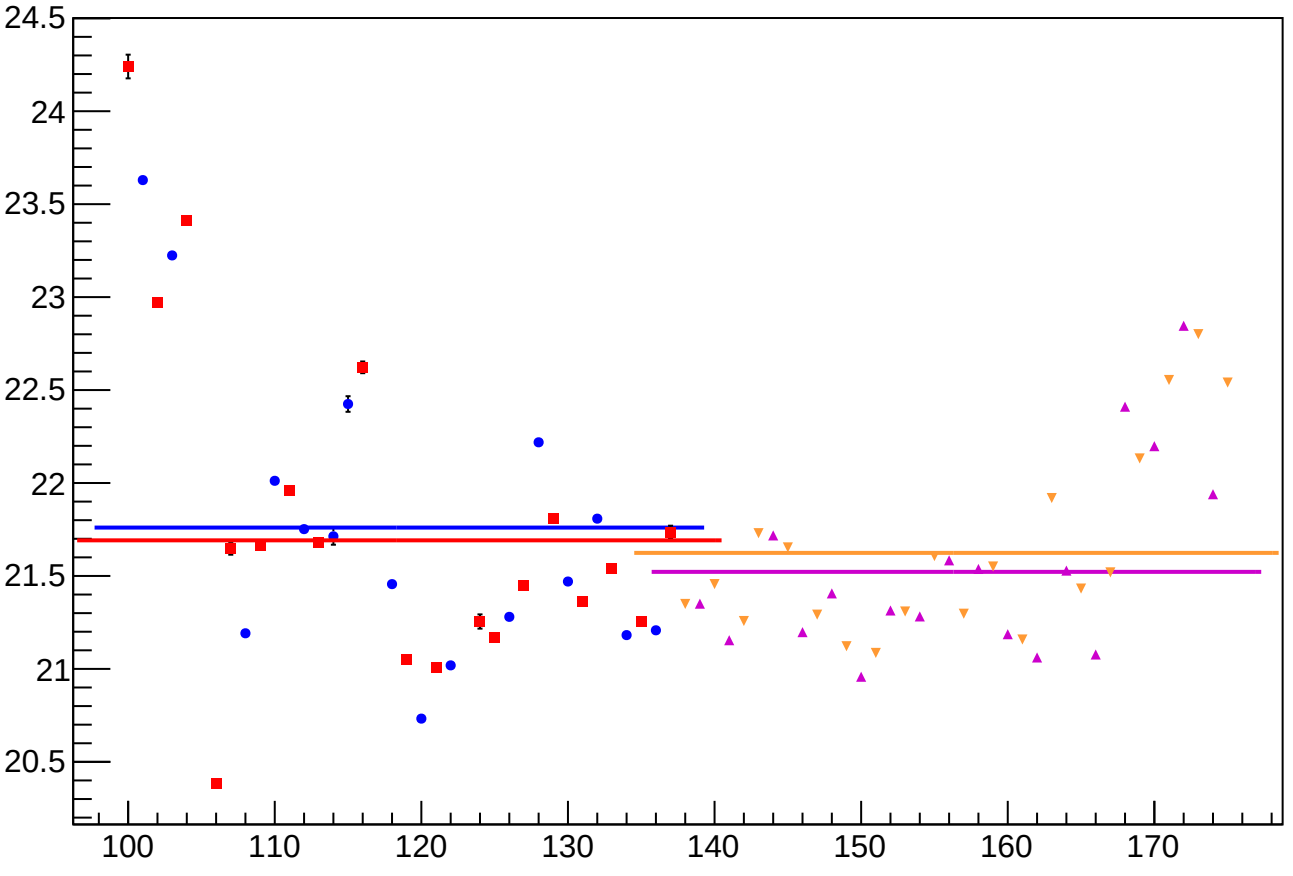
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 6.909+/-5.581 χ^2/NDF:12.8/17

\+ sign -7.355+/-4.508 χ^2/NDF: 46.9/35

All: 0.783+/-3.206 χ^2/NDF: 82.8/72

\- sign 9.114+/-4.561 χ^2/NDF: 29.3/36



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.624+/-0.004 χ^2/NDF:15646.8/19

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

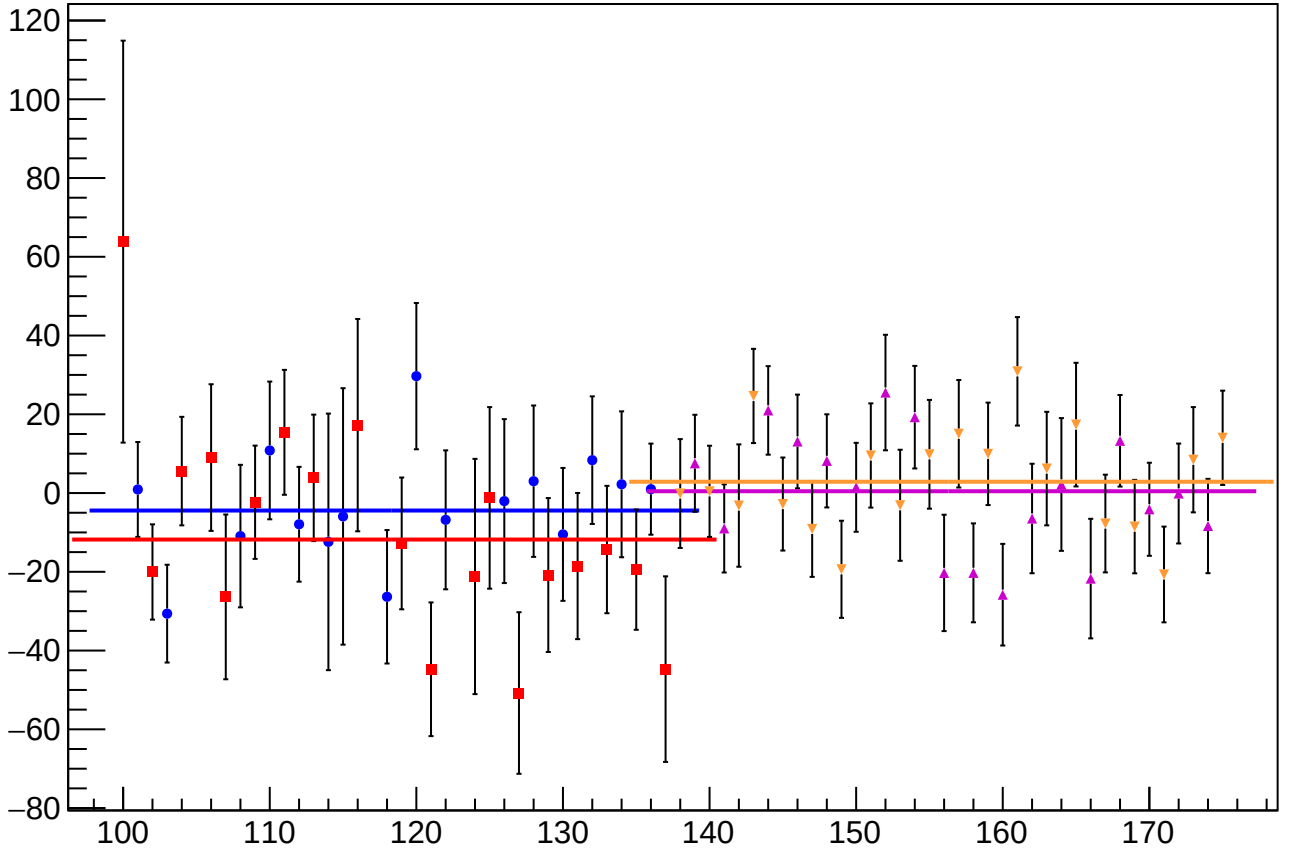
Left In: 21.522+/-0.004 χ^2/NDF:14954.1/17

+ sign 21.666+/-0.003 χ^2/NDF: 35783.2/35

All: 21.623+/-0.002 χ^2/NDF: 70058.2/72

- sign 21.578+/-0.003 χ^2/NDF: 33897.8/36

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.873+/-2.903 χ^2/NDF:21.3/19

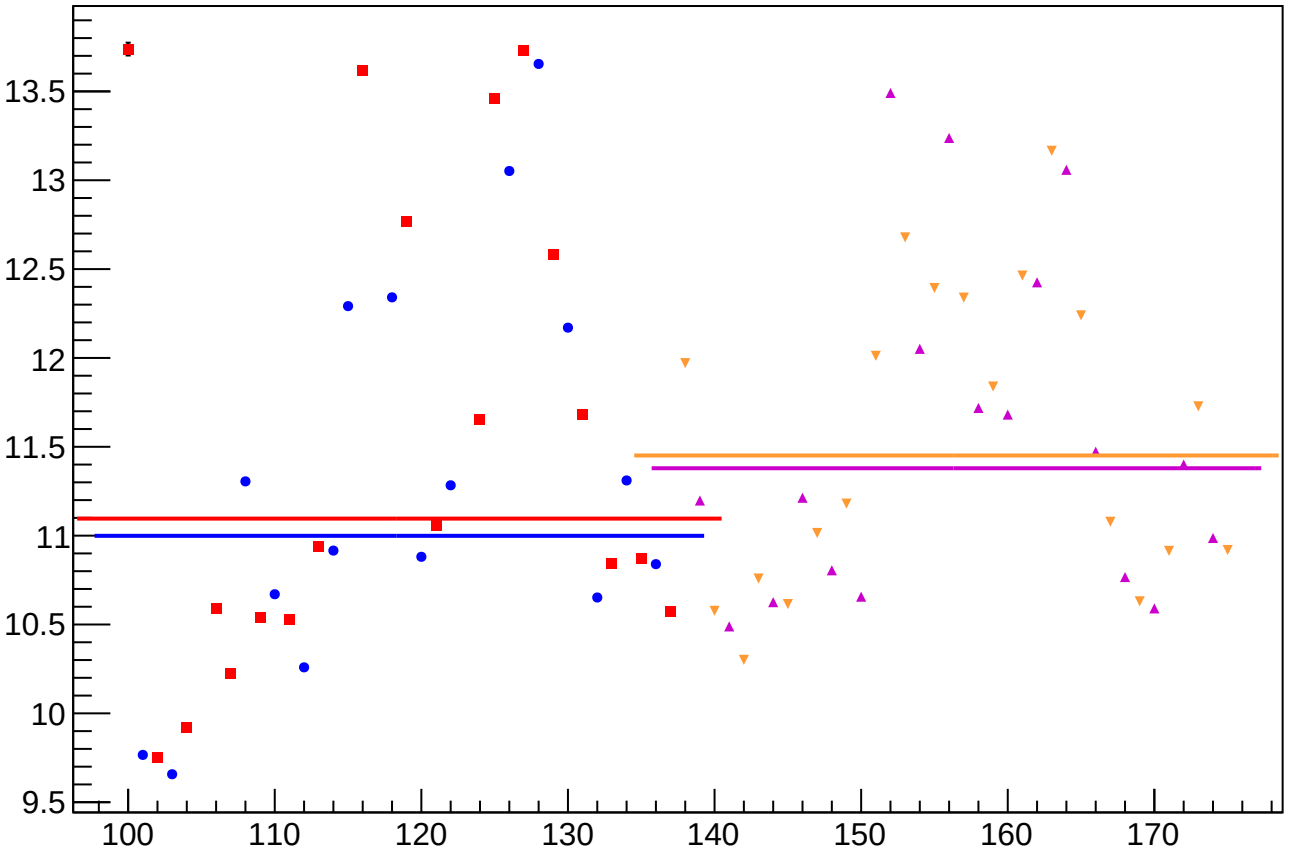
Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: 0.462+/-2.978 χ^2/NDF:24.1/17

+ sign 0.455+/-2.375 χ^2/NDF: 35.4/35

All: -1.632+/-1.691 χ^2/NDF: 88.6/72

- sign -3.779+/-2.409 χ^2/NDF: 51.7/36



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.451+/-0.002 χ^2/NDF:147963.6/19

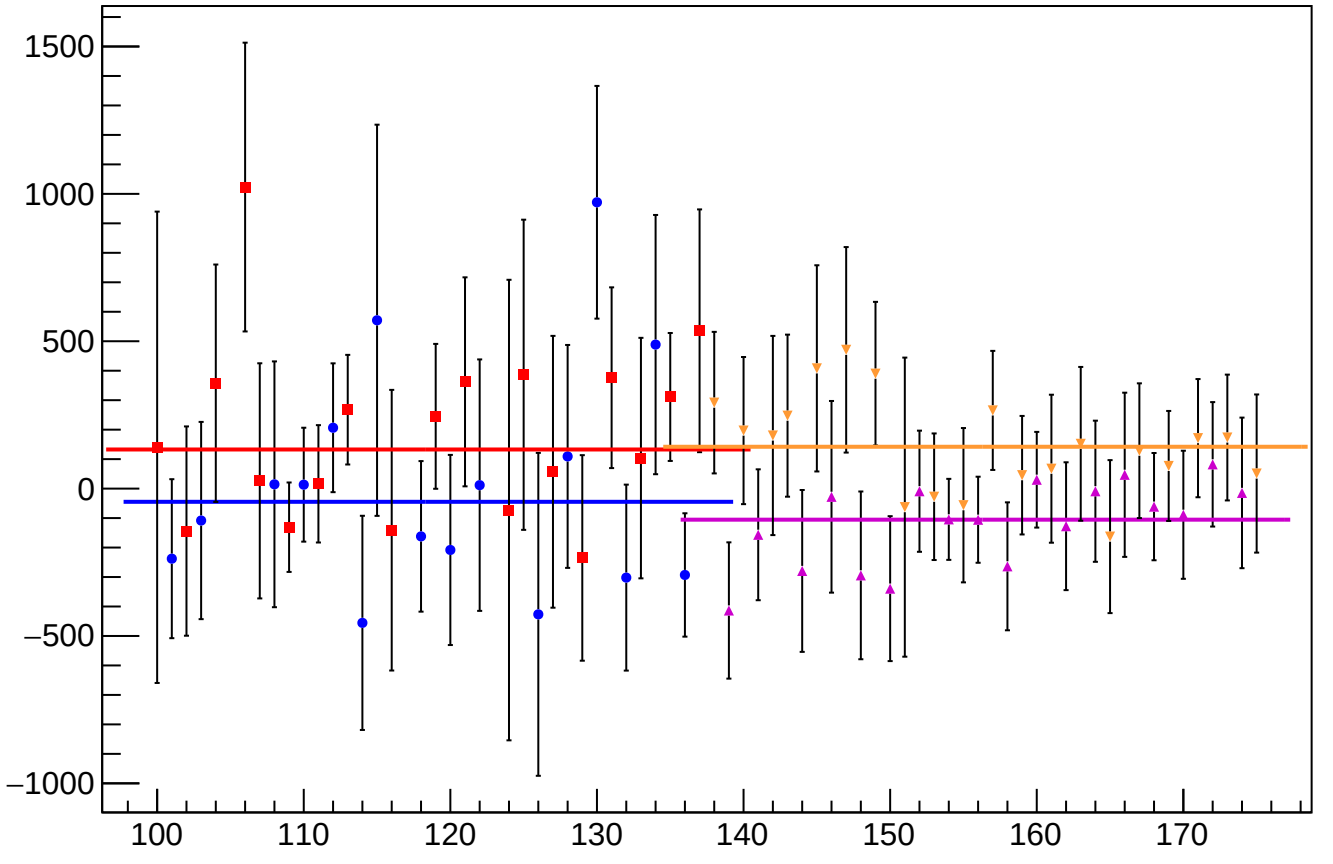
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.379+/-0.002 χ^2/NDF:164200.8/17

+ sign 11.302+/-0.002 χ^2/NDF: 300159.8/35

All: 11.292+/-0.001 χ^2/NDF: 633600.7/72

- sign 11.281+/-0.002 χ^2/NDF: 333369.0/36



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 141.981+/-54.883 χ^2/NDF:6.8/19

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

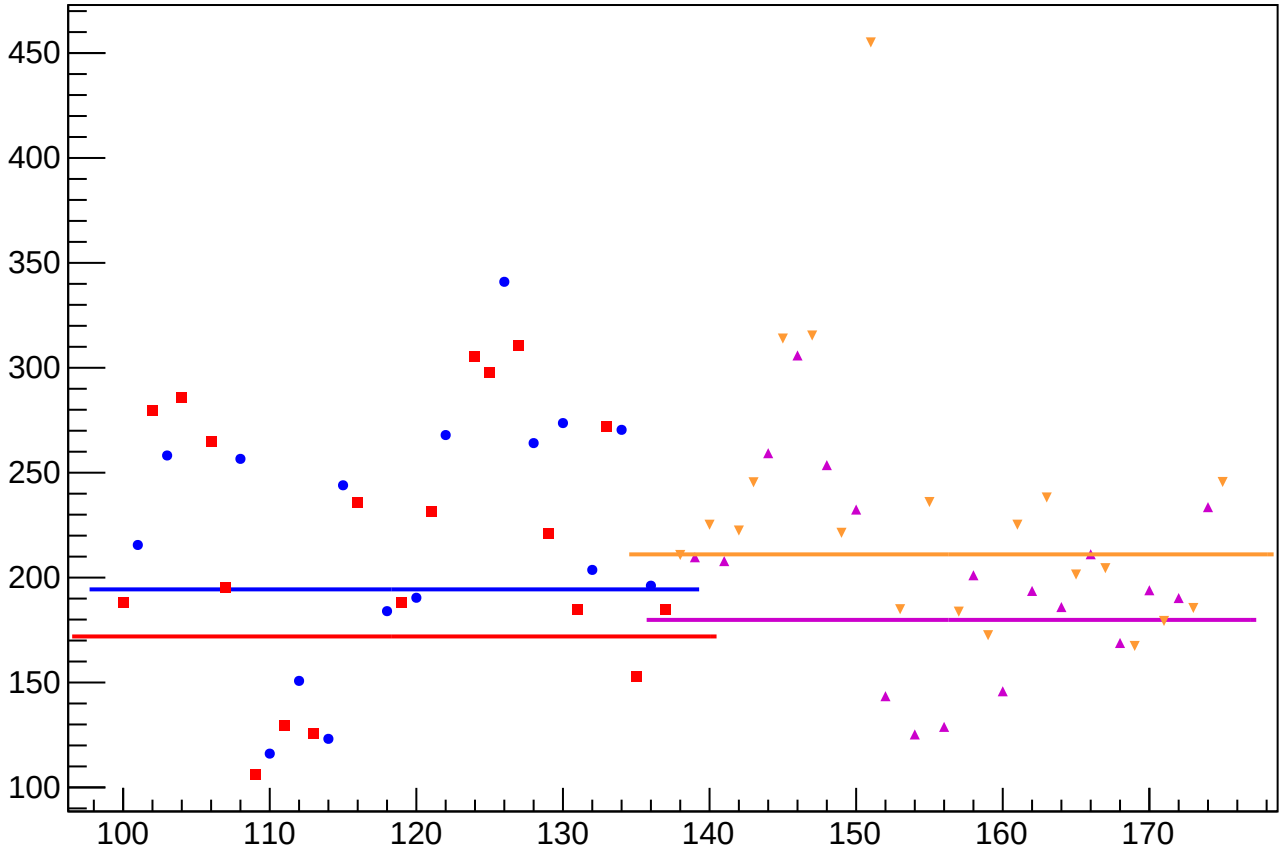
Left In: -105.412+/-49.145 χ^2/NDF:6.5/17

+ sign 78.429+/-44.579 χ^2/NDF: 26.2/35

All: 21.470+/-29.724 χ^2/NDF: 56.5/72

- sign -24.128+/-39.885 χ^2/NDF: 27.4/36

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: 211.071+/-0.039 χ^2/NDF:1269333.6/19

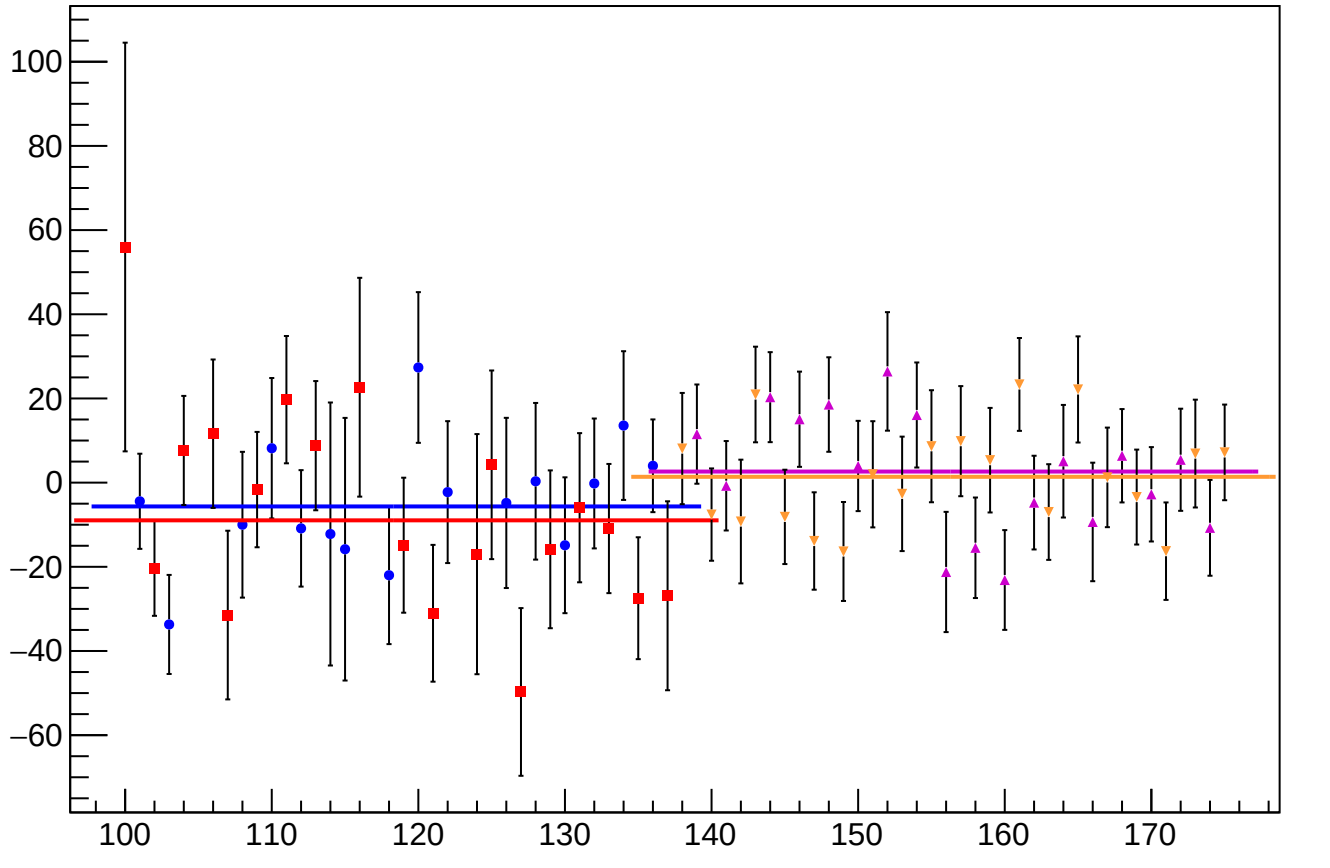
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 179.843+/-0.035 χ^2/NDF:1631981.5/17

+ sign 205.394+/-0.032 χ^2/NDF: 2374257.5/35

All: 189.706+/-0.021 χ^2/NDF: 6121121.2/72

- sign 177.149+/-0.028 χ^2/NDF: 3300939.5/36



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.383+/-2.699 χ^2/NDF:20.2/19

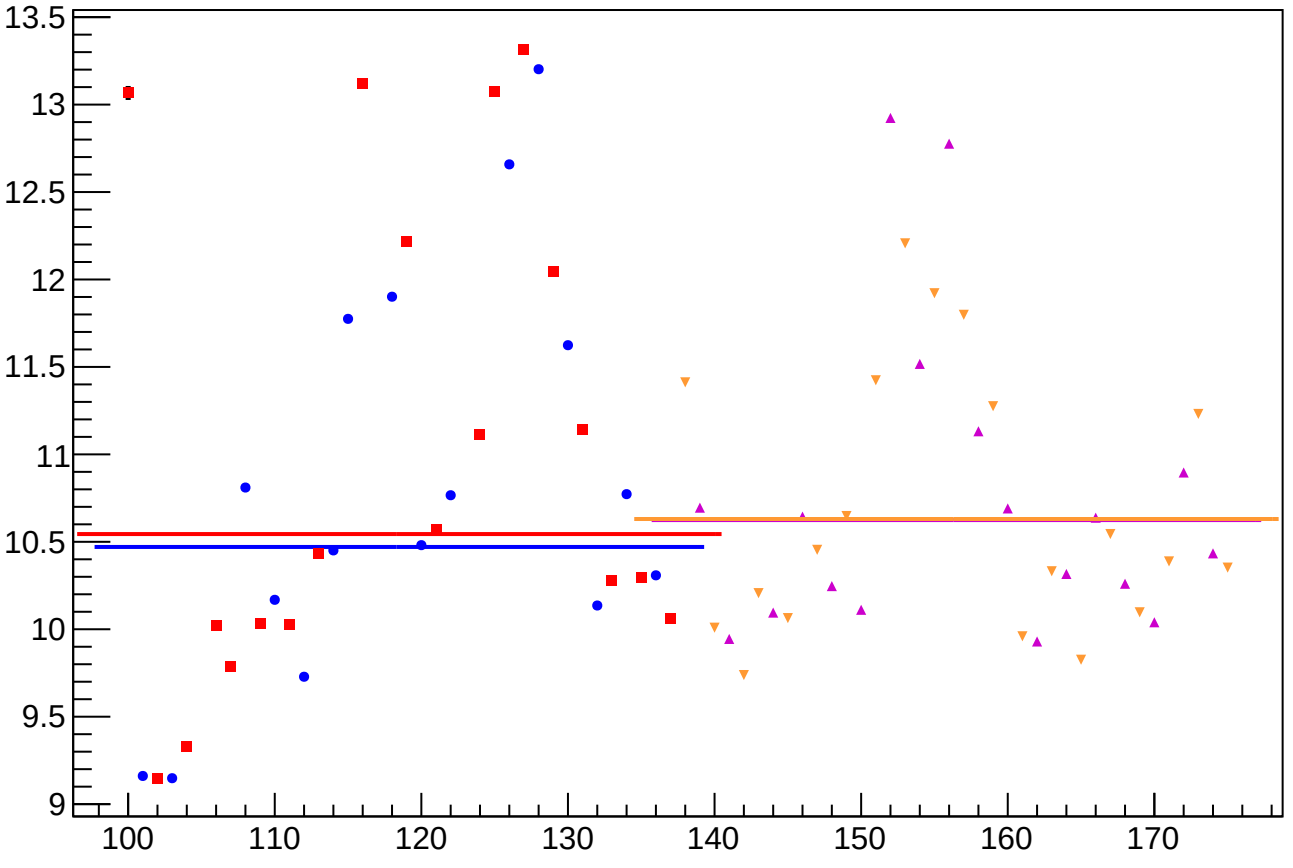
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: 2.631+/-2.784 χ^2/NDF:23.4/17

+ sign -0.866+/-2.226 χ^2/NDF: 36.1/35

All: -1.069+/-1.588 χ^2/NDF: 88.2/72

- sign -1.280+/-2.266 χ^2/NDF: 52.1/36



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.630+/-0.002 χ^2/NDF:132062.9/19

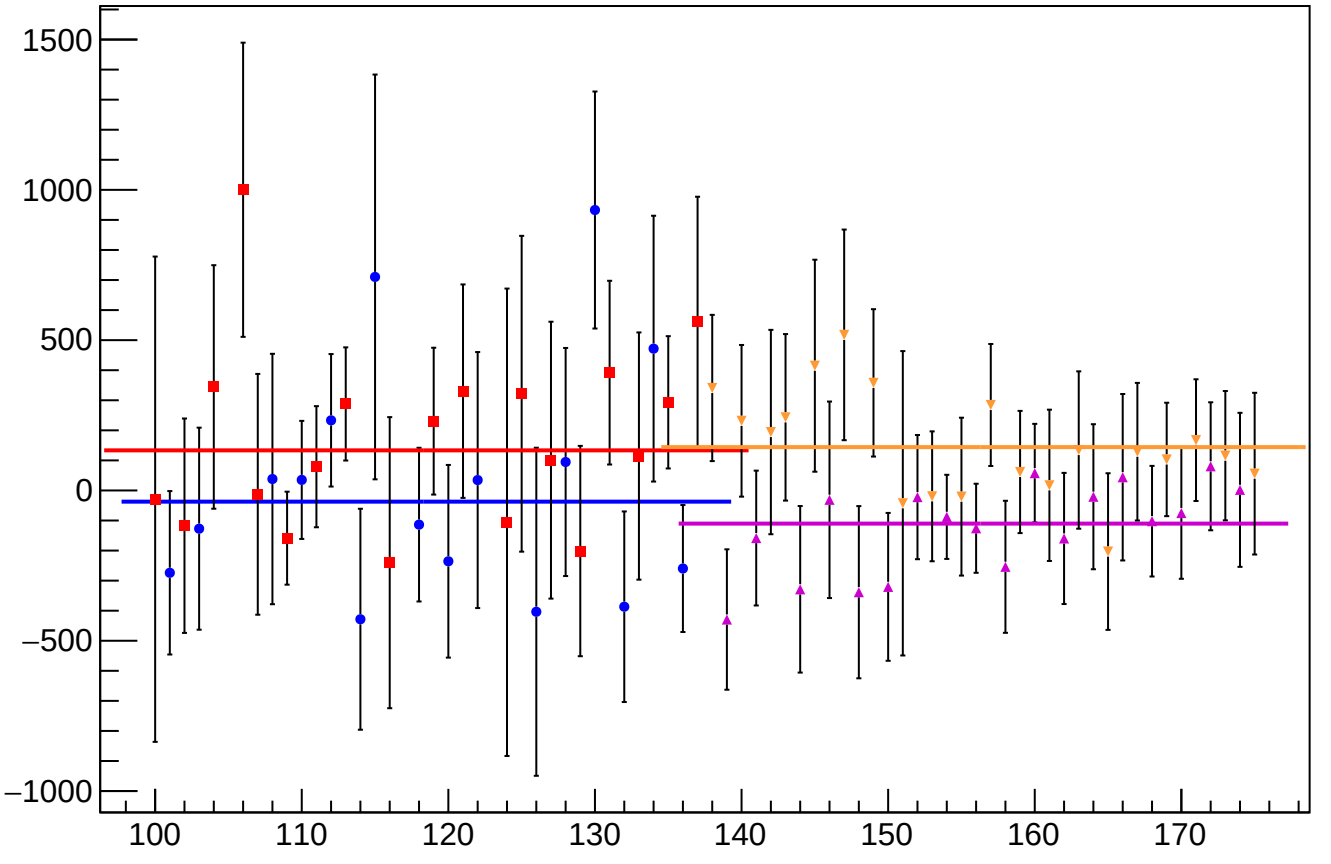
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.624+/-0.002 χ^2/NDF:150665.5/17

+ sign 10.579+/-0.002 χ^2/NDF: 291669.2/35

All: 10.588+/-0.001 χ^2/NDF: 629735.2/72

- sign 10.597+/-0.002 χ^2/NDF: 338002.1/36



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 144.174+/-55.250 χ^2/NDF:7.4/19

Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

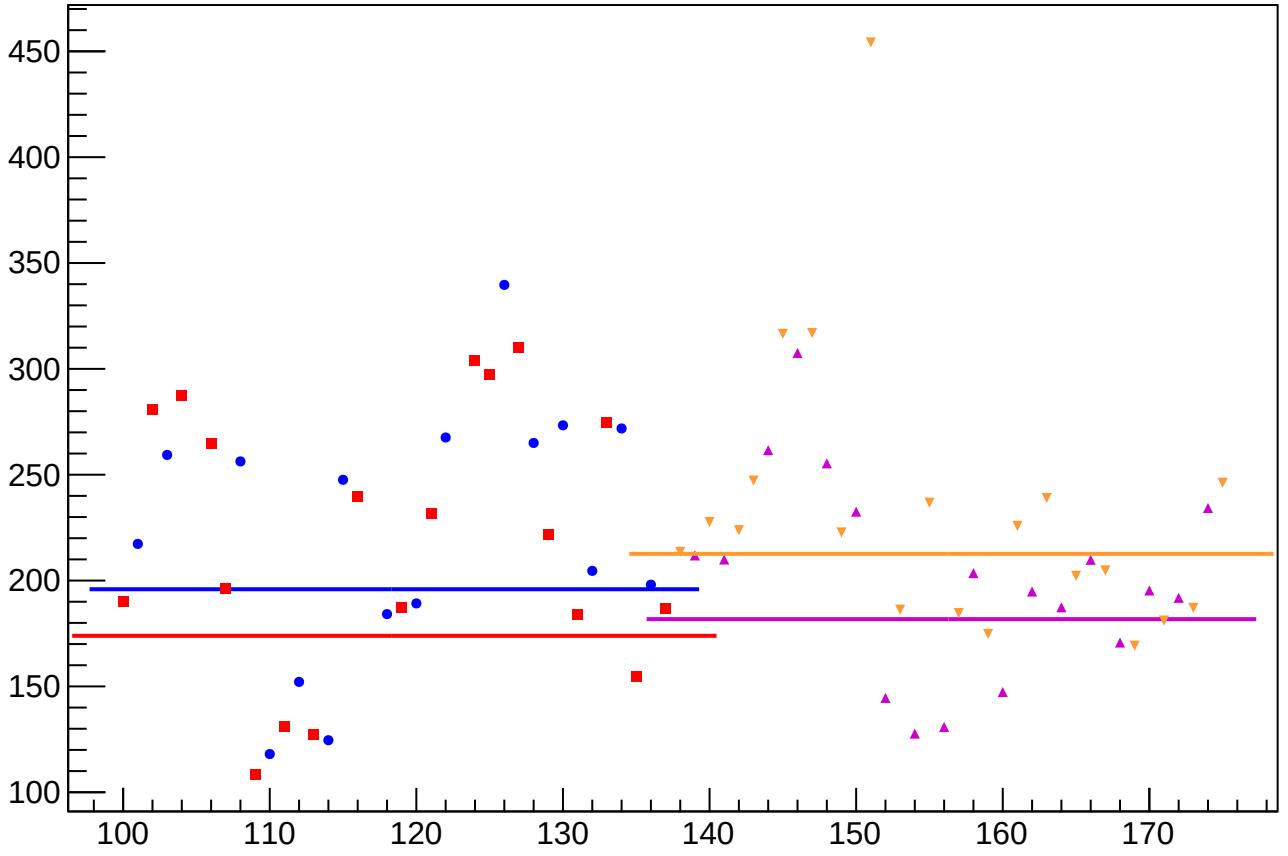
Left In: -110.289+/-49.611 χ^2/NDF:7.2/17

+ sign 82.426+/-44.873 χ^2/NDF: 26.7/35

All: 21.762+/-29.966 χ^2/NDF: 58.3/72

- sign -27.065+/-40.258 χ^2/NDF: 28.3/36

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 212.624+/-0.039 χ^2/NDF:1249079.3/19

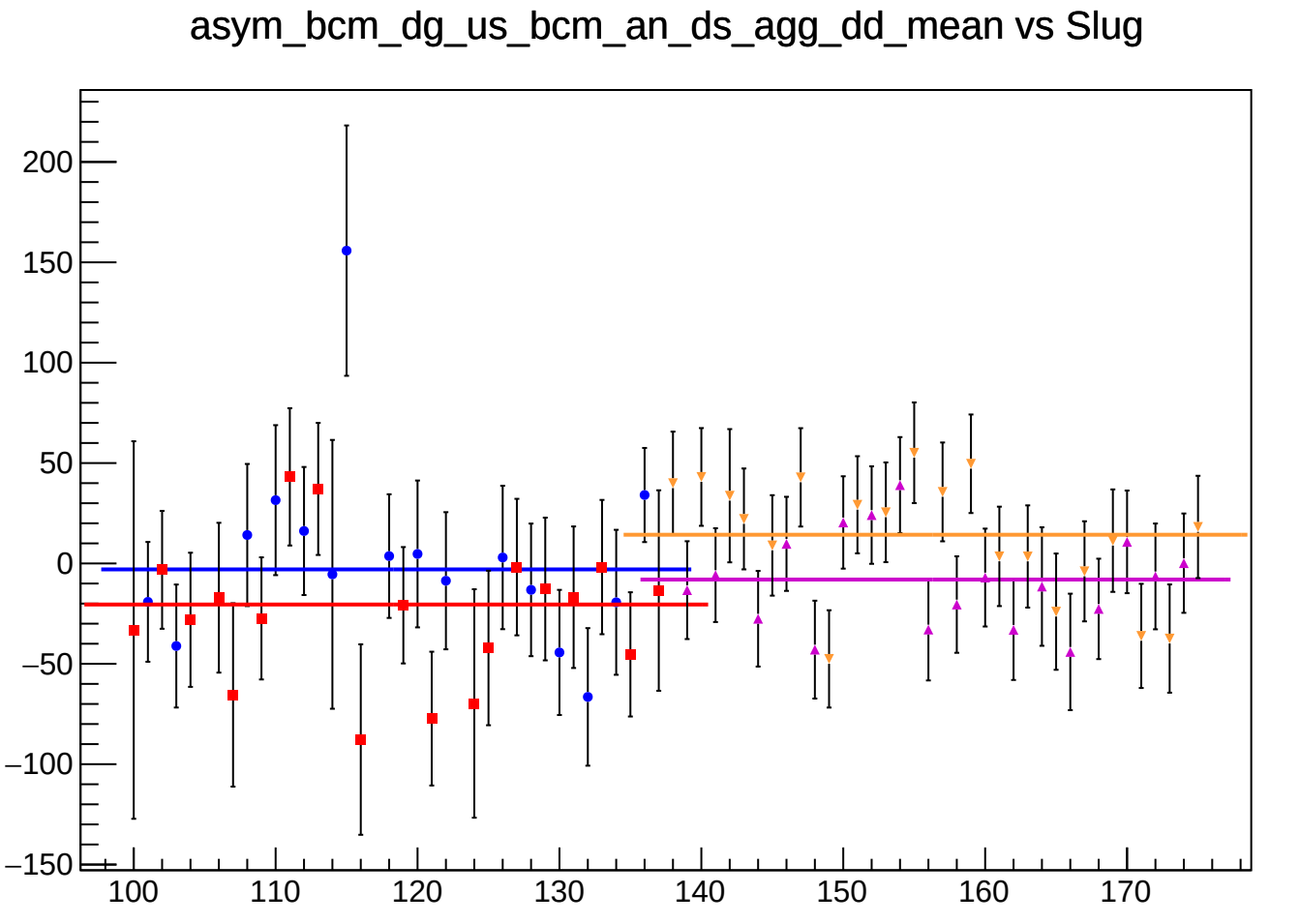
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 181.779+/-0.035 χ^2/NDF:1583711.9/17

+ sign 206.932+/-0.032 χ^2/NDF: 2322466.1/35

All: 191.505+/-0.021 χ^2/NDF: 5949631.2/72

- sign 179.089+/-0.028 χ^2/NDF: 3200542.7/36



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 14.297+/-5.698 χ^2/NDF:27.0/19

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

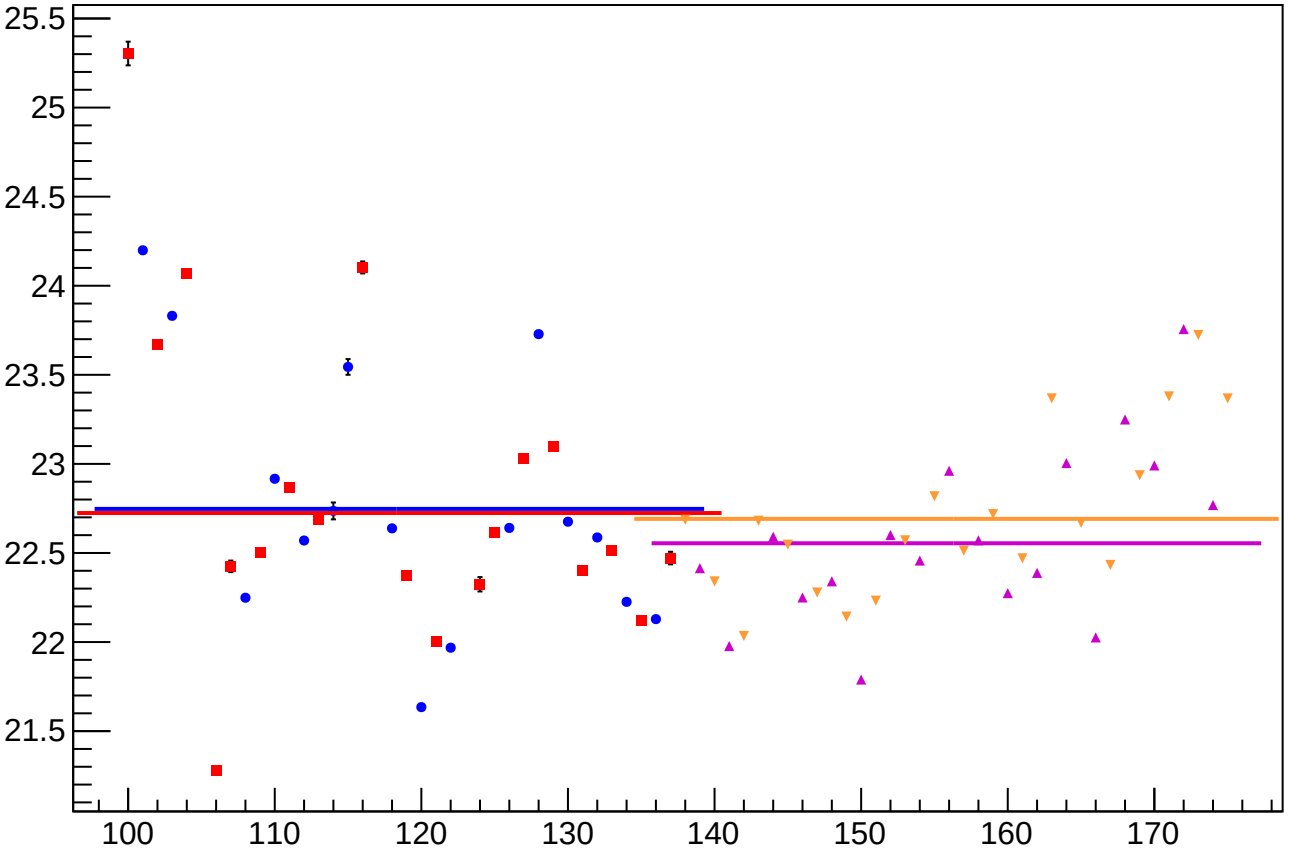
Left In: -8.024+/-5.849 χ^2/NDF:15.3/17

+ sign 8.904+/-4.725 χ^2/NDF: 47.7/35

All: -1.505+/-3.360 χ^2/NDF: 89.6/72

- sign -12.155+/-4.780 χ^2/NDF: 32.1/36

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.692+/-0.004 χ^2/NDF:11501.8/19

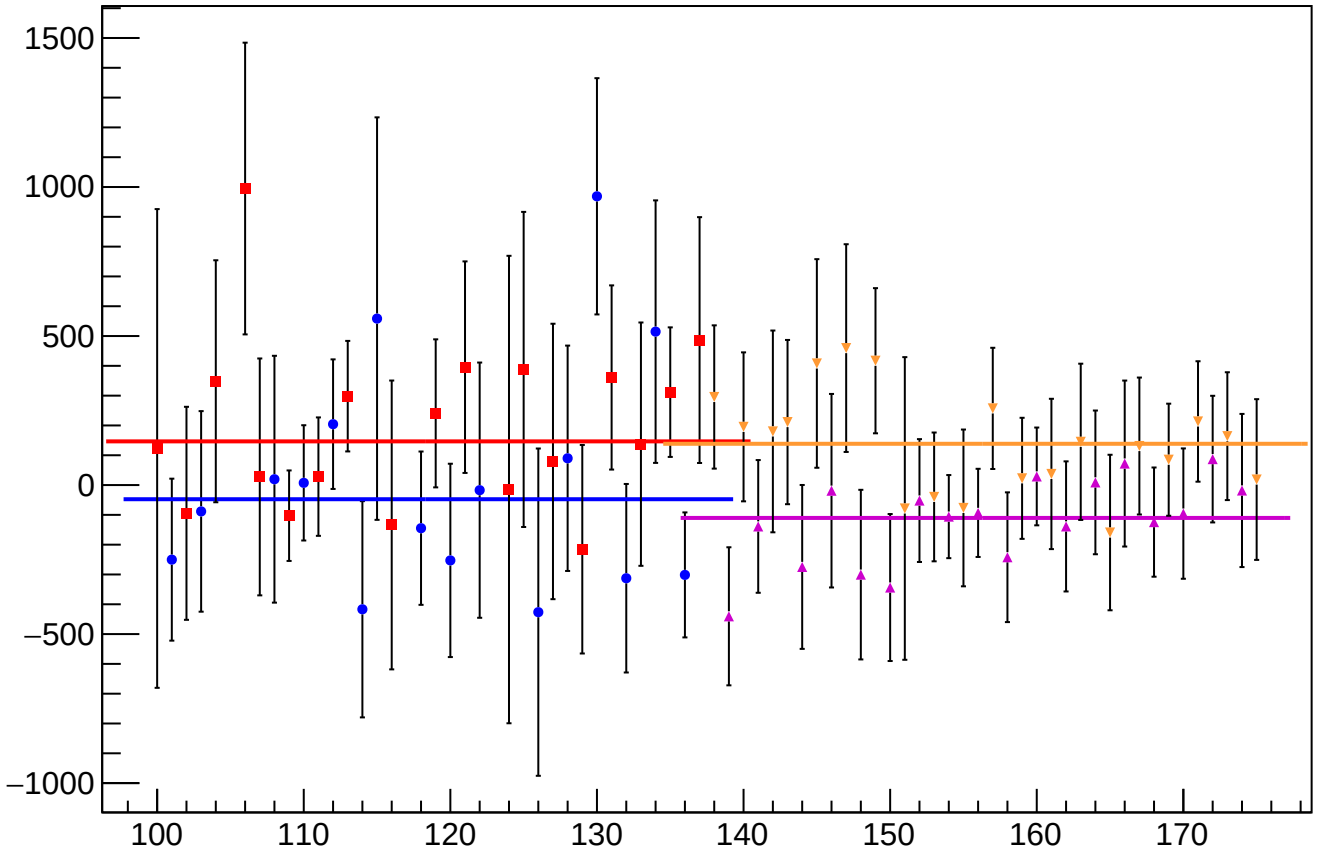
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.554+/-0.004 χ^2/NDF:12471.4/17

+ sign 22.709+/-0.003 χ^2/NDF: 26184.8/35

All: 22.661+/-0.002 χ^2/NDF: 54132.9/72

- sign 22.611+/-0.003 χ^2/NDF: 27521.9/36



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 138.478+/-55.143 χ^2/NDF:7.4/19

Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

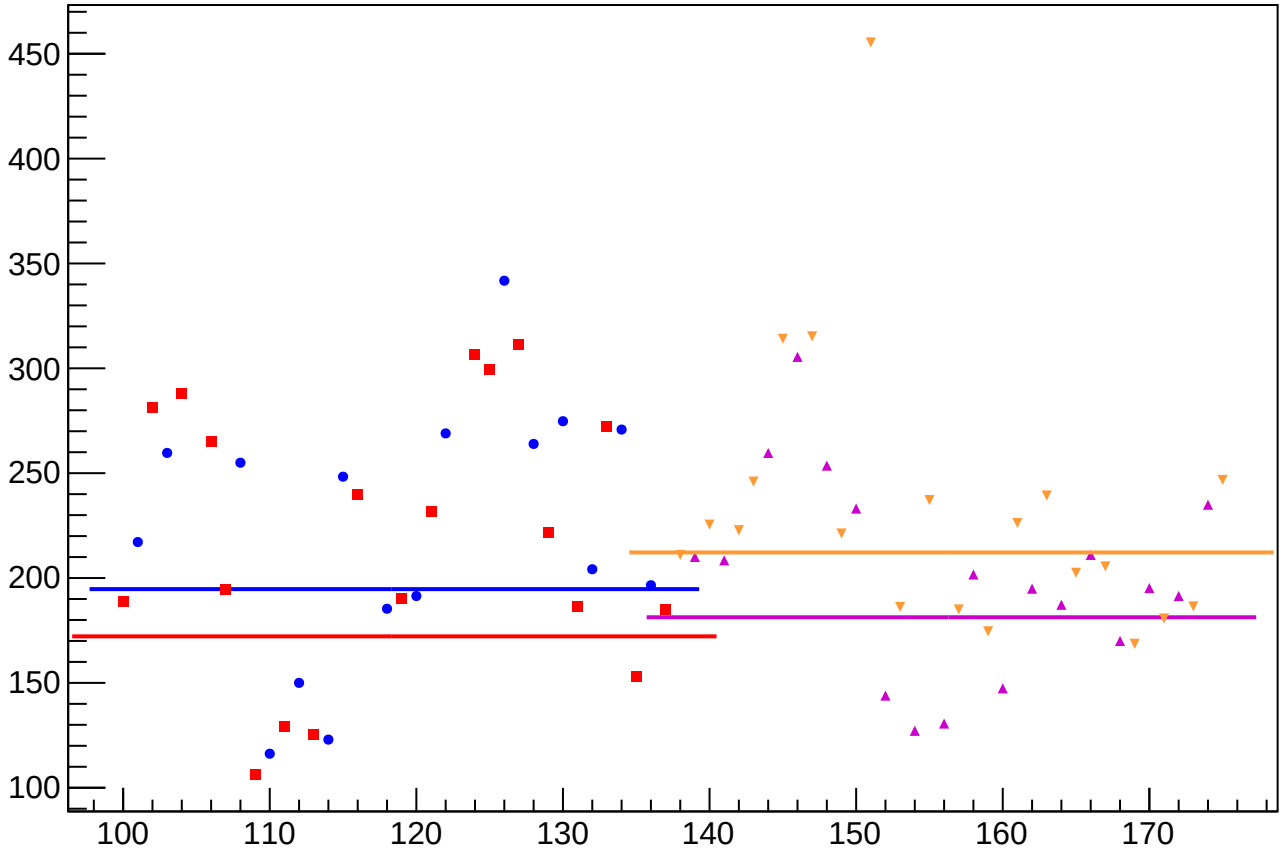
Left In: -110.281+/-49.483 χ^2/NDF:6.7/17

+ sign 74.956+/-44.747 χ^2/NDF: 26.7/35

All: 21.154+/-29.860 χ^2/NDF: 56.8/72

- sign -22.034+/-40.091 χ^2/NDF: 27.5/36

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 212.200+/-0.039 χ^2/NDF:1244638.0/19

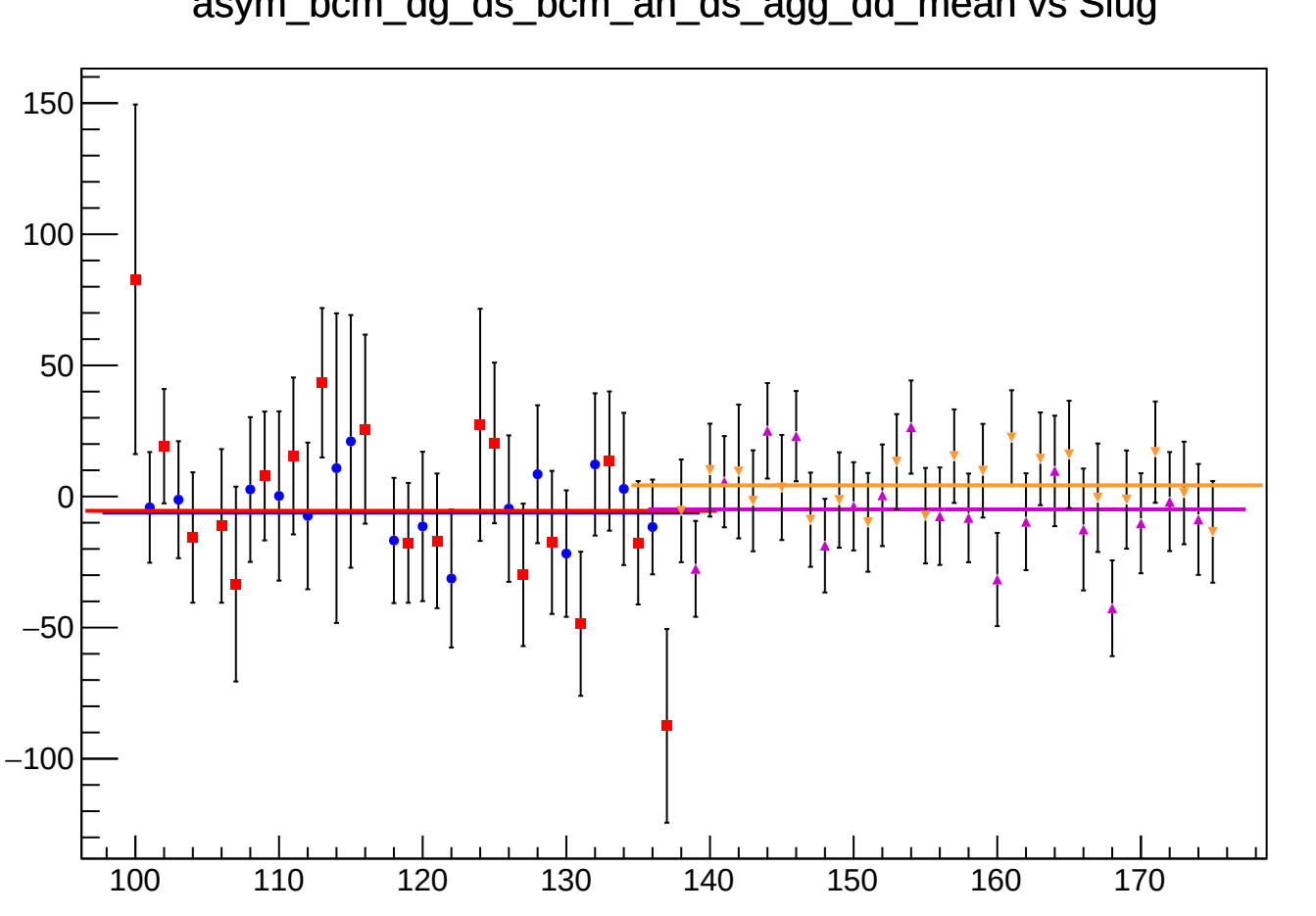
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 181.289+/-0.035 χ^2/NDF:1577258.5/17

+ sign 206.226+/-0.032 χ^2/NDF: 2365656.6/35

All: 190.658+/-0.021 χ^2/NDF: 6073649.1/72

- sign 178.161+/-0.028 χ^2/NDF: 3271580.2/36



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.250+/-4.242 χ^2/NDF:5.9/19

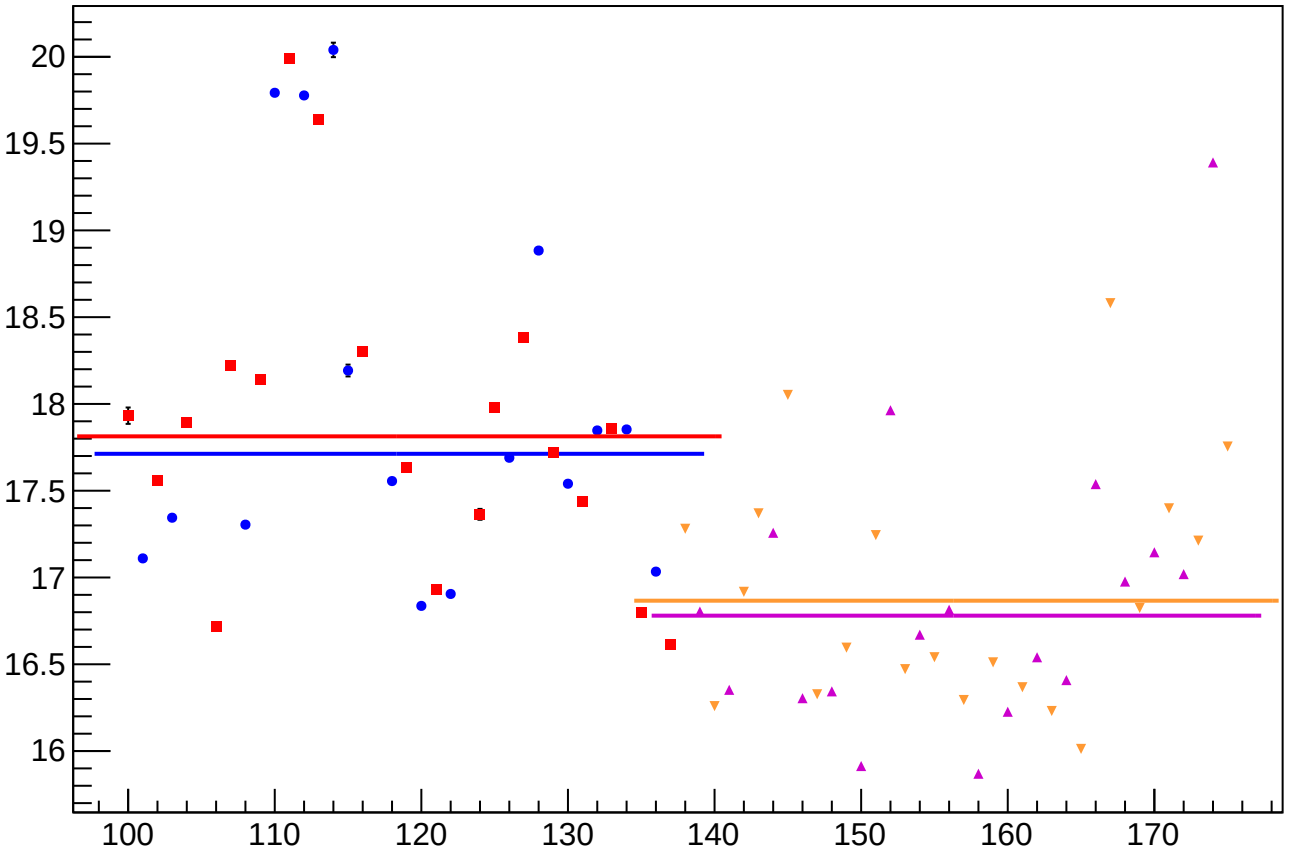
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: -4.919+/-4.361 χ^2/NDF:18.4/17

+ sign 1.214+/-3.567 χ^2/NDF: 10.8/35

All: -1.889+/-2.542 χ^2/NDF: 50.0/72

- sign -5.090+/-3.623 χ^2/NDF: 37.6/36



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.866+/-0.003 χ^2/NDF:46790.3/19

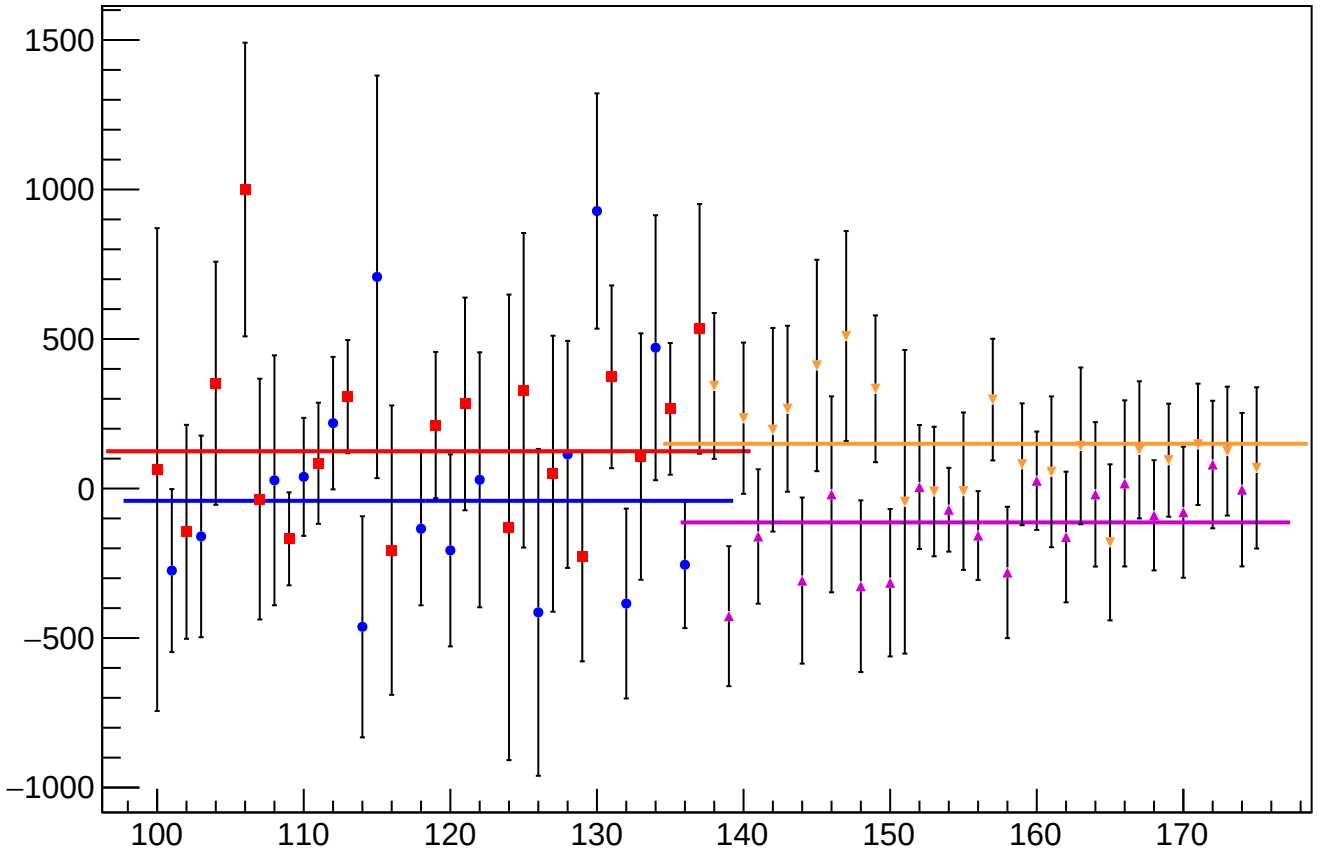
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.780+/-0.003 χ^2/NDF:60780.3/17

+ sign 17.114+/-0.003 χ^2/NDF: 106086.2/35

All: 17.107+/-0.002 χ^2/NDF: 234372.8/72

- sign 17.100+/-0.003 χ^2/NDF: 128271.7/36



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 149.754+/-55.370 χ^2/NDF:6.7/19

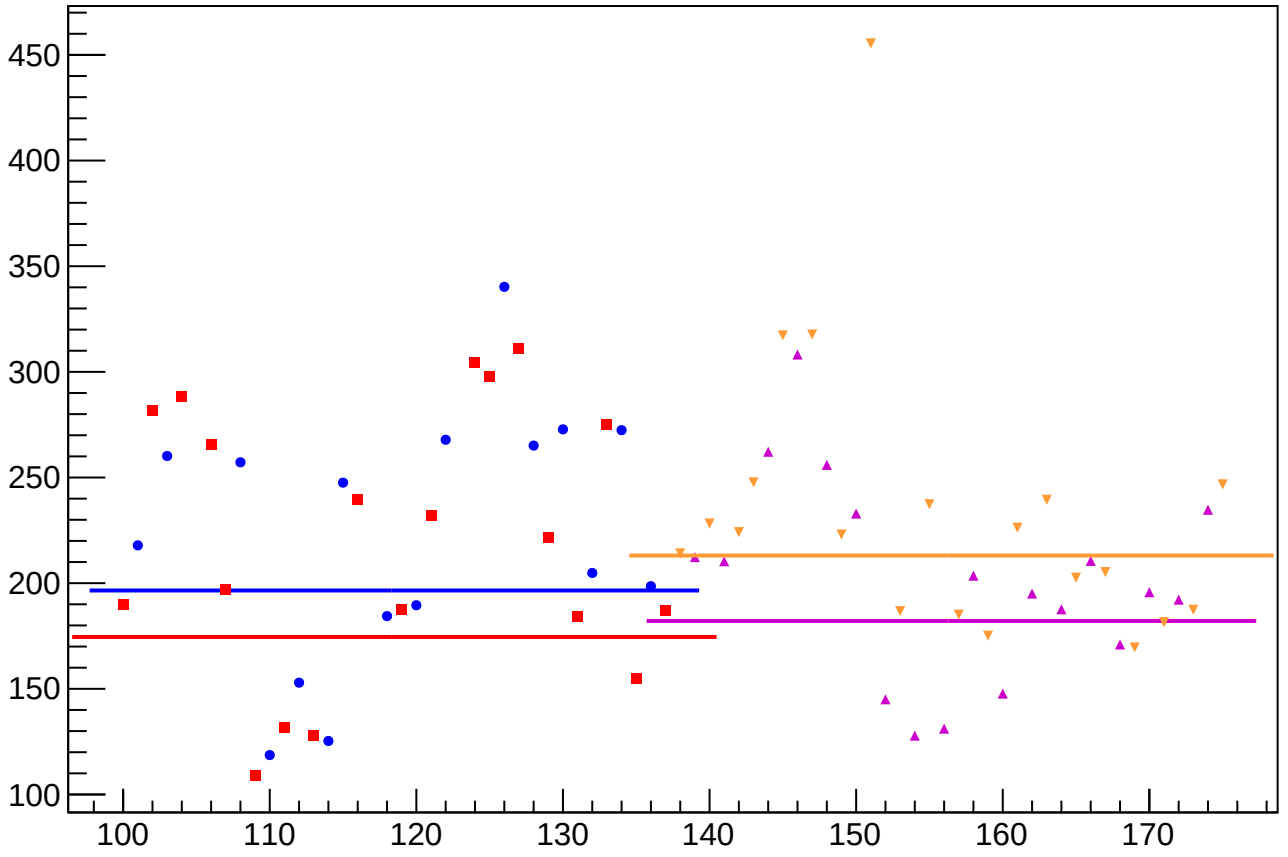
Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: -113.318+/-49.708 χ^2/NDF:6.9/17

+ sign 84.852+/-44.982 χ^2/NDF: 26.4/35

All: 20.050+/-30.038 χ^2/NDF: 57.7/72

- sign -32.104+/-40.354 χ^2/NDF: 27.6/36



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 213.080+/-0.039 χ^2/NDF:1249541.4/19

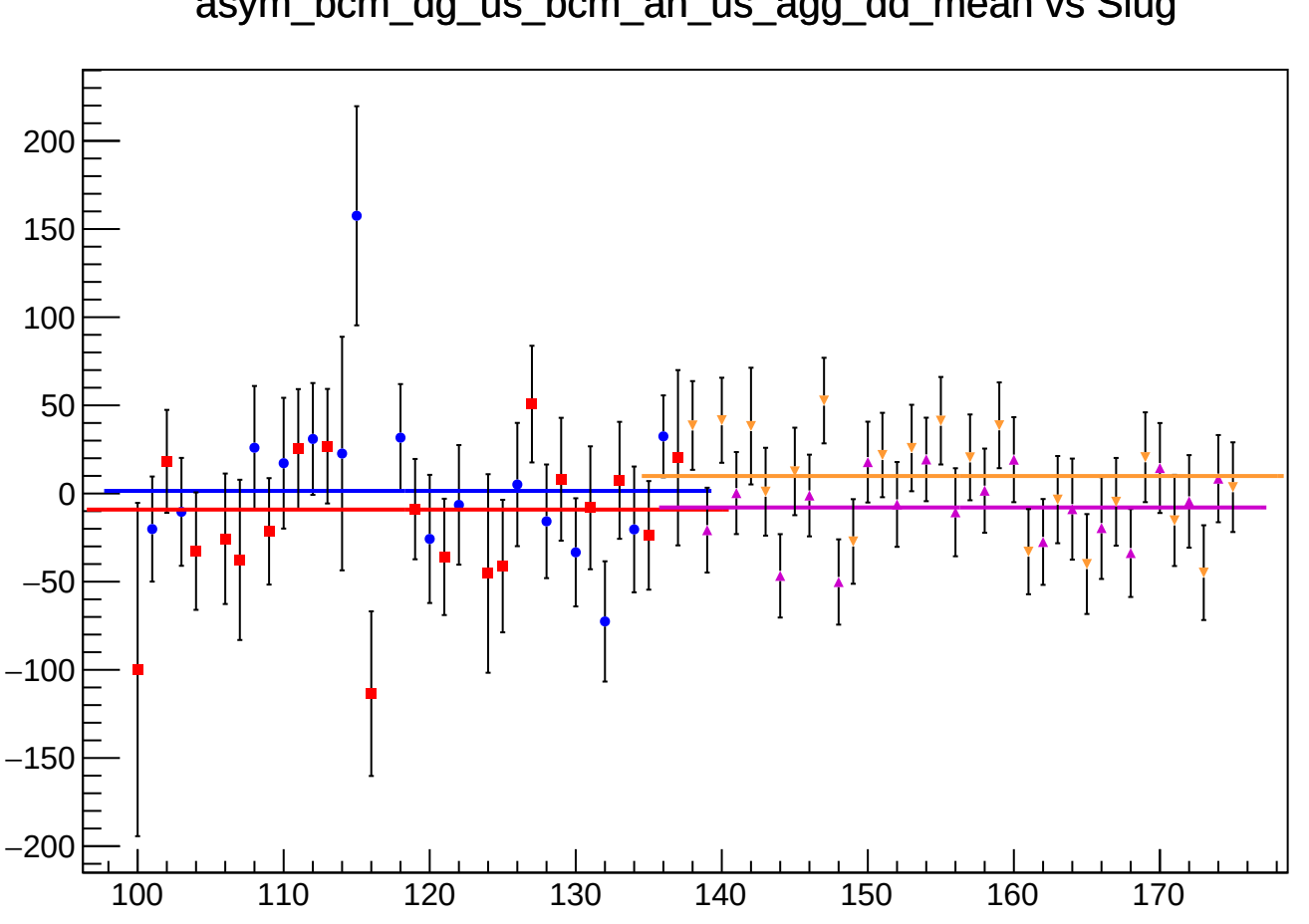
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 182.132+/-0.035 χ^2/NDF:1583727.6/17

+ sign 207.457+/-0.032 χ^2/NDF: 2310981.9/35

All: 191.991+/-0.021 χ^2/NDF: 5926076.8/72

- sign 179.543+/-0.029 χ^2/NDF: 3188358.6/36



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 9.918+/-5.637 χ^2/NDF:25.5/19

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

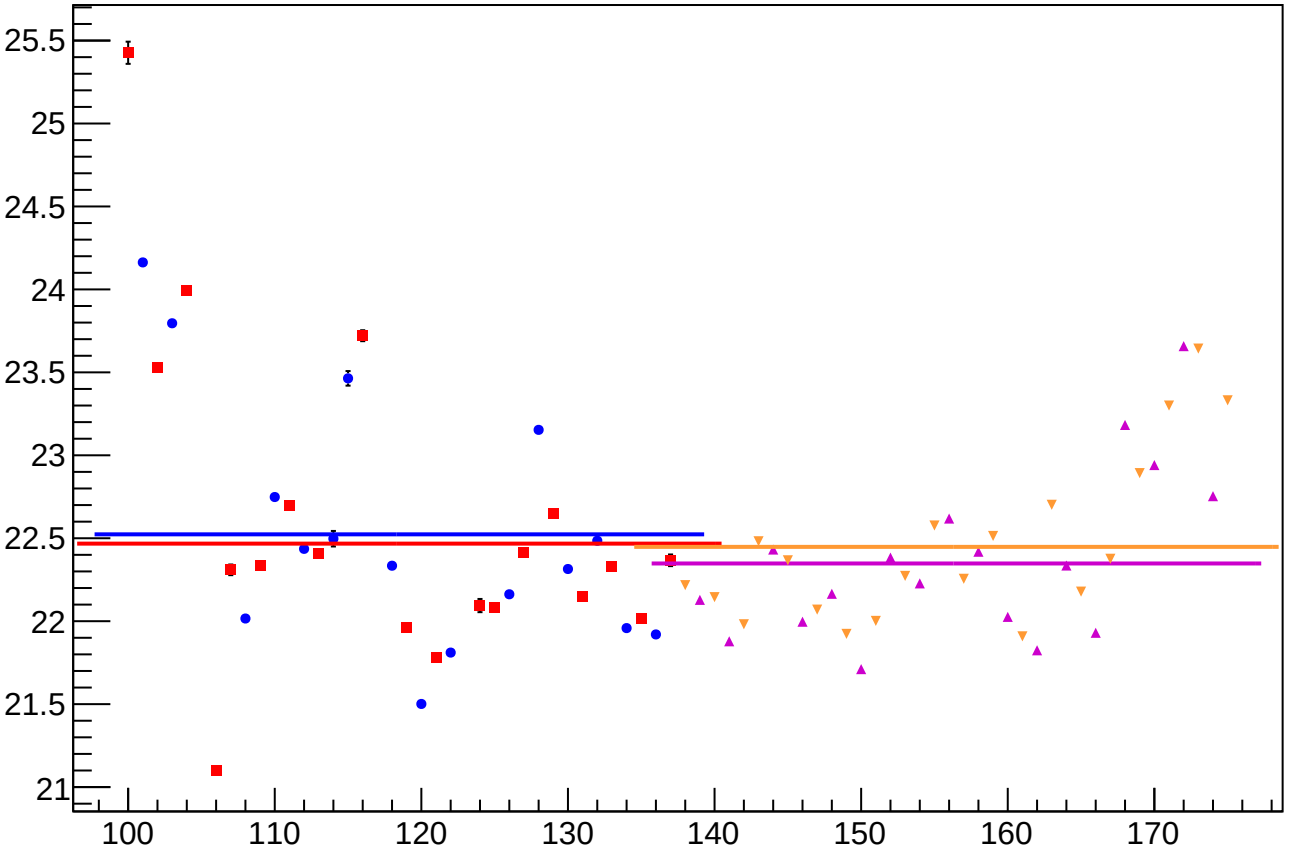
Left In: -7.917+/-5.795 χ^2/NDF:13.4/17

+ sign 7.284+/-4.675 χ^2/NDF: 44.9/35

All: -0.421+/-3.326 χ^2/NDF: 80.2/72

- sign -8.315+/-4.732 χ^2/NDF: 29.8/36

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.448+/-0.004 χ^2/NDF:13894.7/19

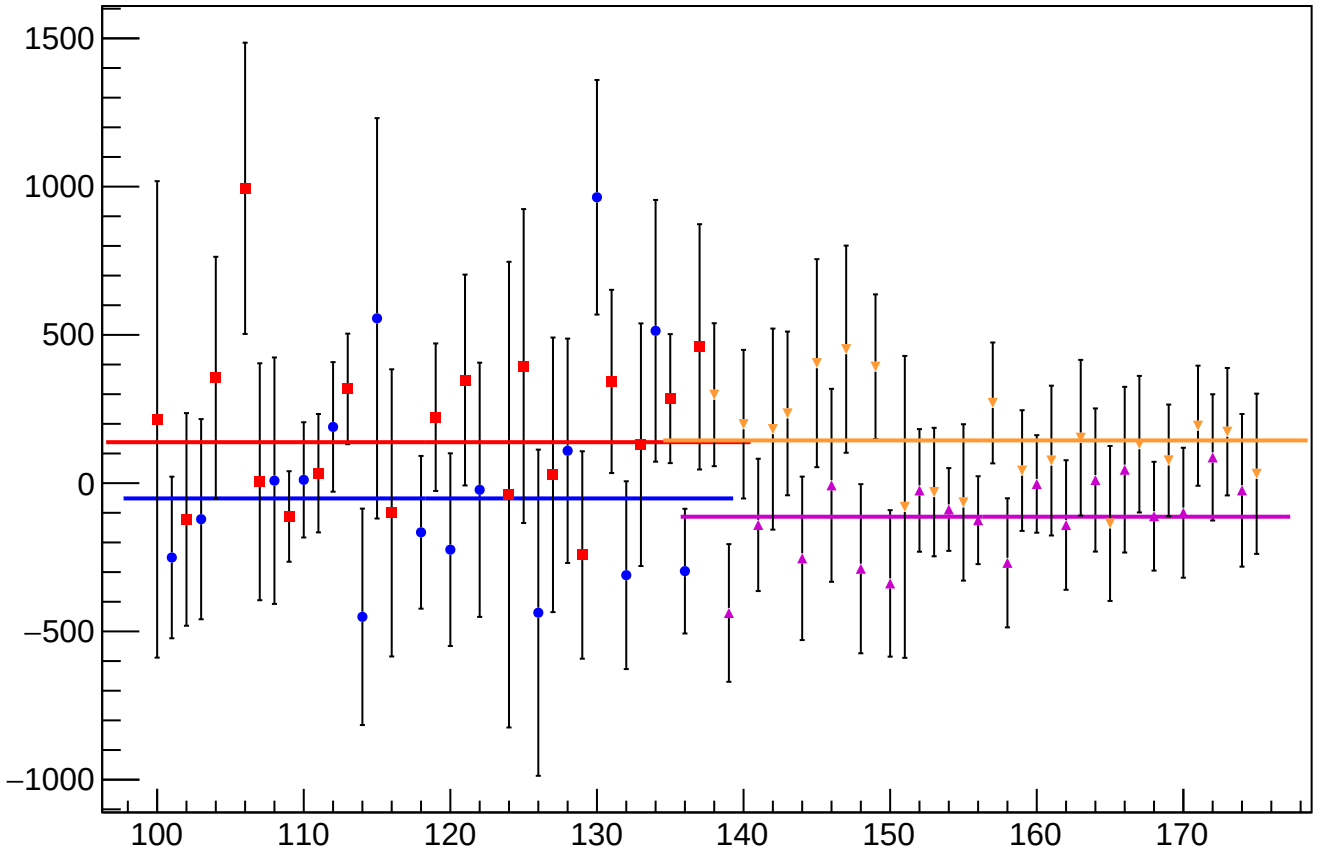
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.348+/-0.004 χ^2/NDF:13978.8/17

+ sign 22.472+/-0.003 χ^2/NDF: 29954.6/35

All: 22.430+/-0.002 χ^2/NDF: 60161.1/72

- sign 22.388+/-0.003 χ^2/NDF: 29889.3/36



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 144.125+/-55.263 χ^2/NDF:6.7/19

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

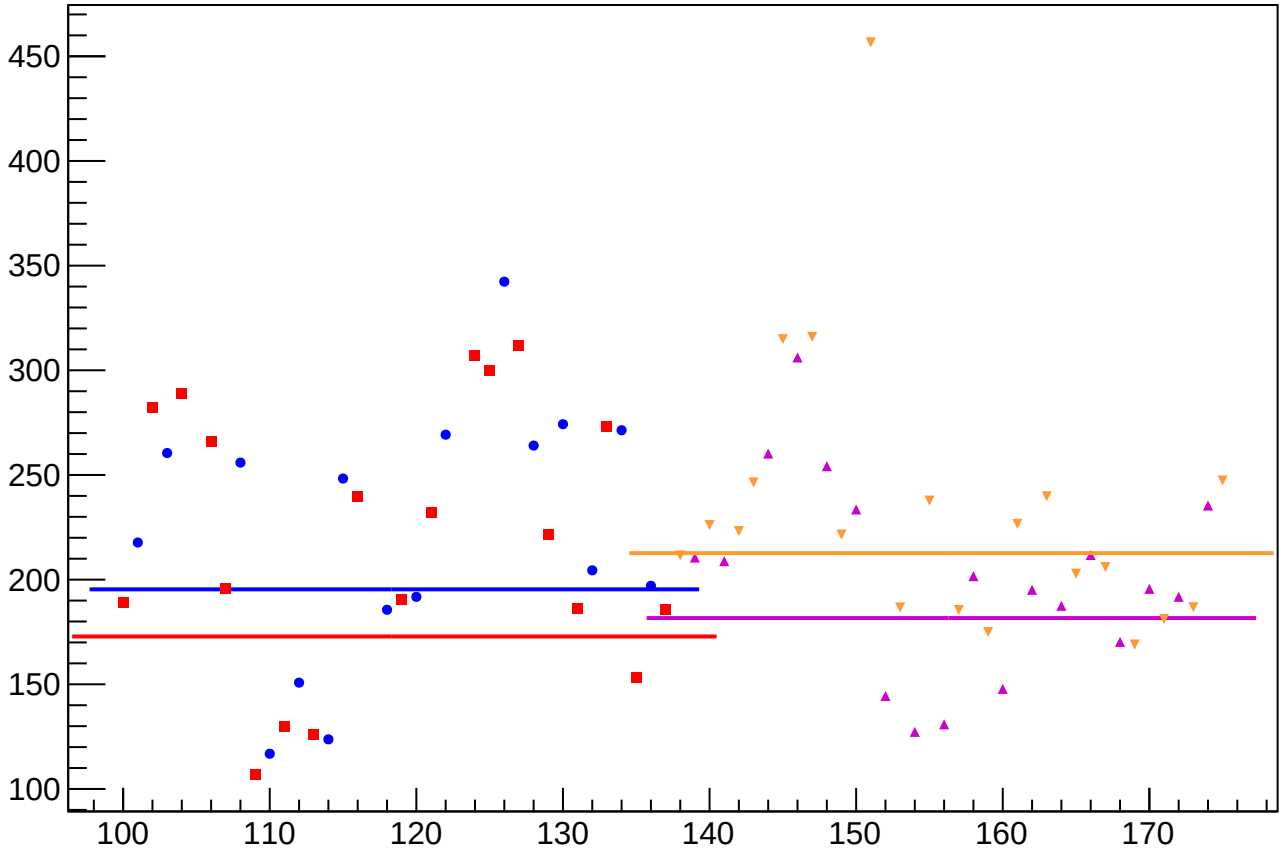
Left In: -113.219+/-49.579 χ^2/NDF:6.3/17

+ sign 77.390+/-44.856 χ^2/NDF: 26.3/35

All: 19.482+/-29.932 χ^2/NDF: 56.0/72

- sign -26.999+/-40.188 χ^2/NDF: 26.8/36

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: 212.656+/-0.039 χ^2/NDF:1245089.3/19

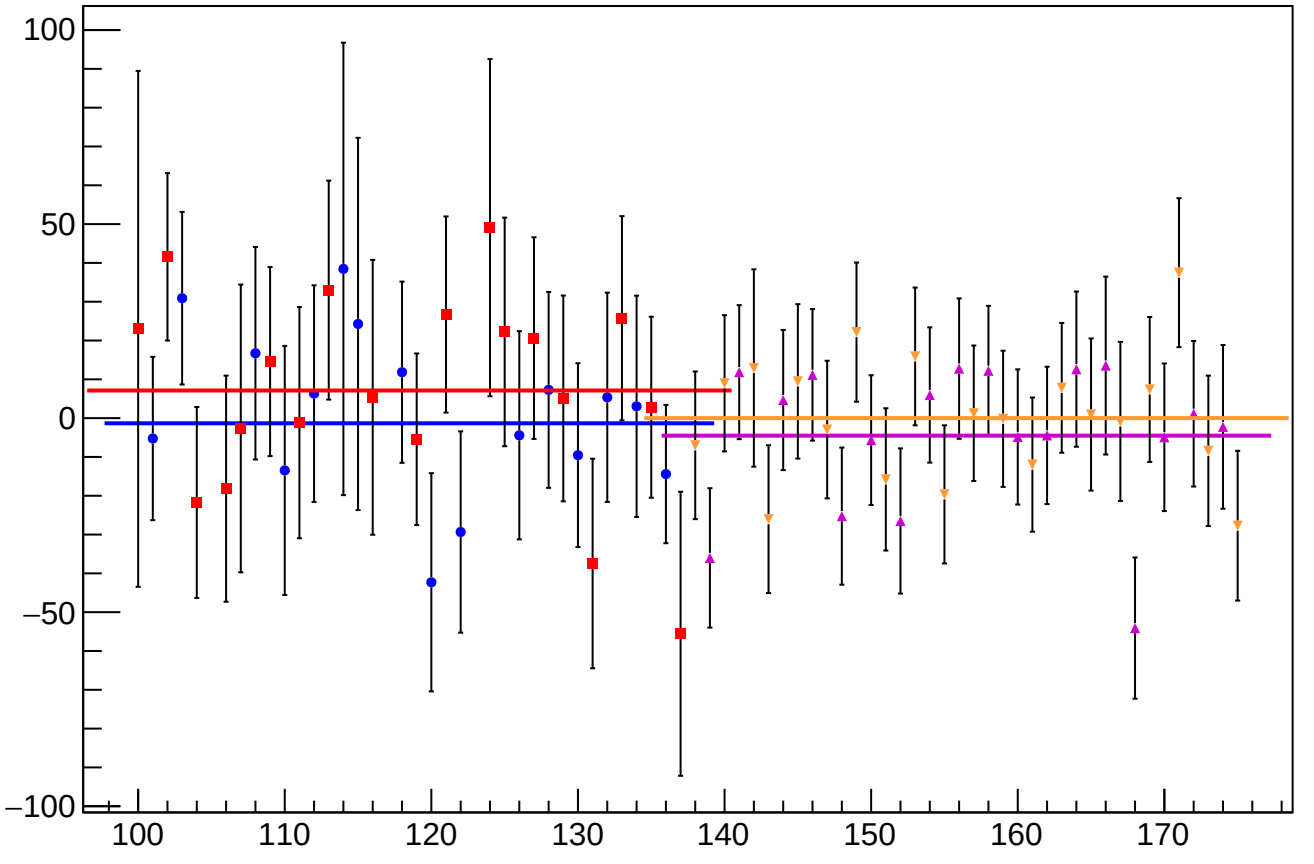
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 181.639+/-0.035 χ^2/NDF:1577402.7/17

+ sign 206.756+/-0.032 χ^2/NDF: 2353351.0/35

All: 191.148+/-0.021 χ^2/NDF: 6048285.4/72

- sign 178.620+/-0.028 χ^2/NDF: 3258453.0/36



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 0.016+/-4.159 χ^2/NDF:14.0/19

Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

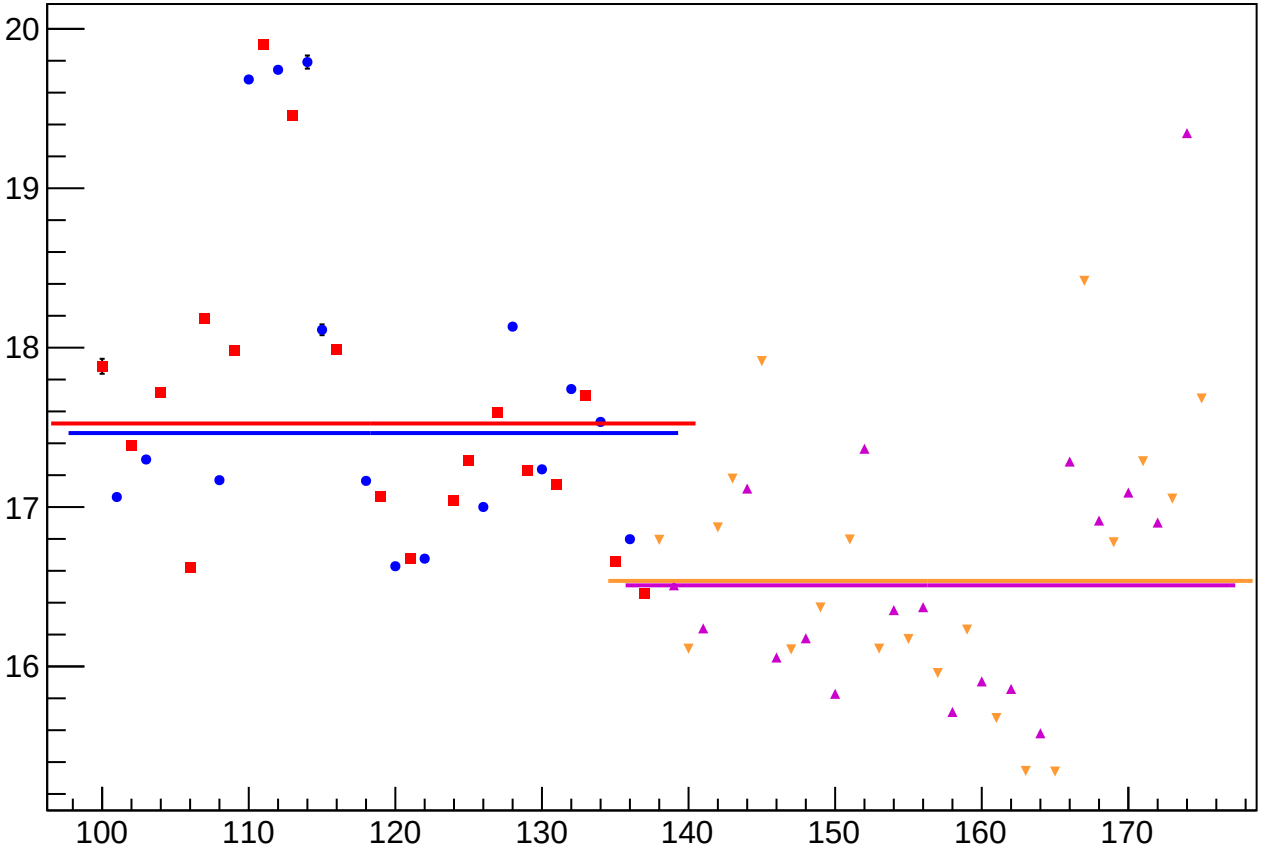
Left In: -4.513+/-4.290 χ^2/NDF:19.0/17

+ sign -0.375+/-3.503 χ^2/NDF: 22.1/35

All: -0.636+/-2.498 χ^2/NDF: 57.8/72

- sign -0.905+/-3.564 χ^2/NDF: 35.7/36

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.537+/-0.003 χ^2/NDF:71593.9/19

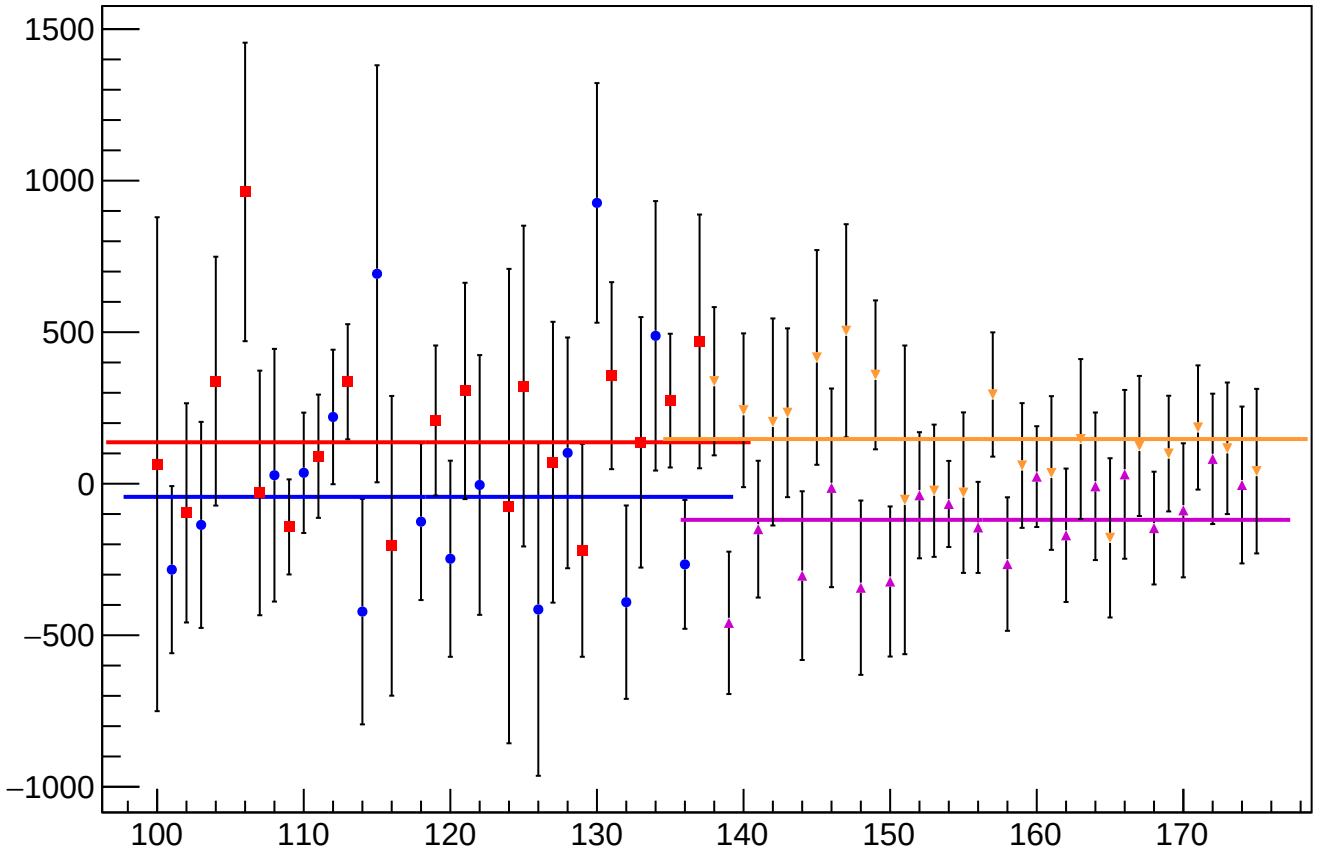
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.509+/-0.003 χ^2/NDF:68798.1/17

+ sign 16.806+/-0.002 χ^2/NDF: 137145.7/35

All: 16.815+/-0.002 χ^2/NDF: 275418.0/72

- sign 16.824+/-0.003 χ^2/NDF: 138248.1/36



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 147.350+/-55.728 χ^2/NDF:7.1/19

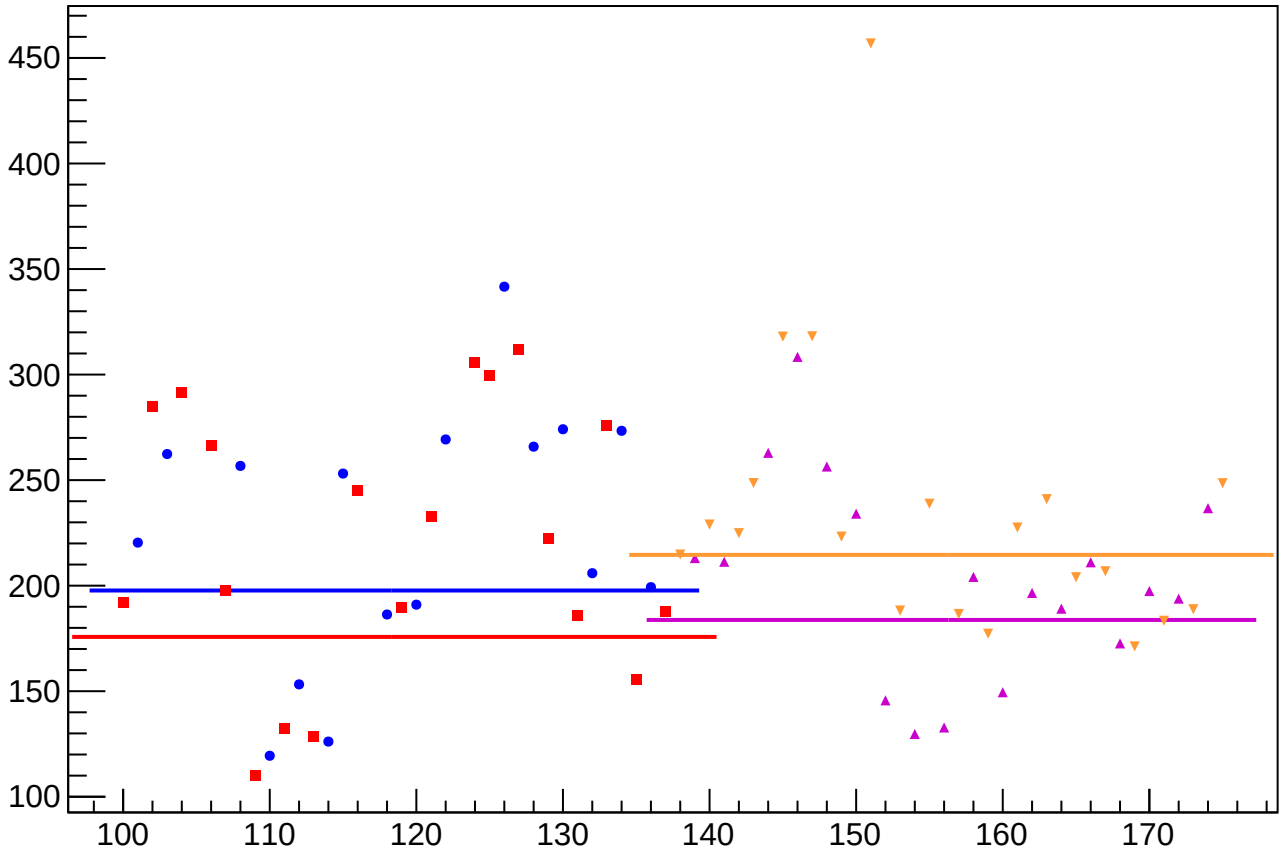
Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: -119.170+/-50.107 χ^2/NDF:7.1/17

+ sign 82.435+/-45.262 χ^2/NDF: 26.6/35

All: 19.252+/-30.246 χ^2/NDF: 57.6/72

- sign -31.726+/-40.656 χ^2/NDF: 27.5/36



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 214.576+/-0.039 χ^2/NDF:1226021.0/19

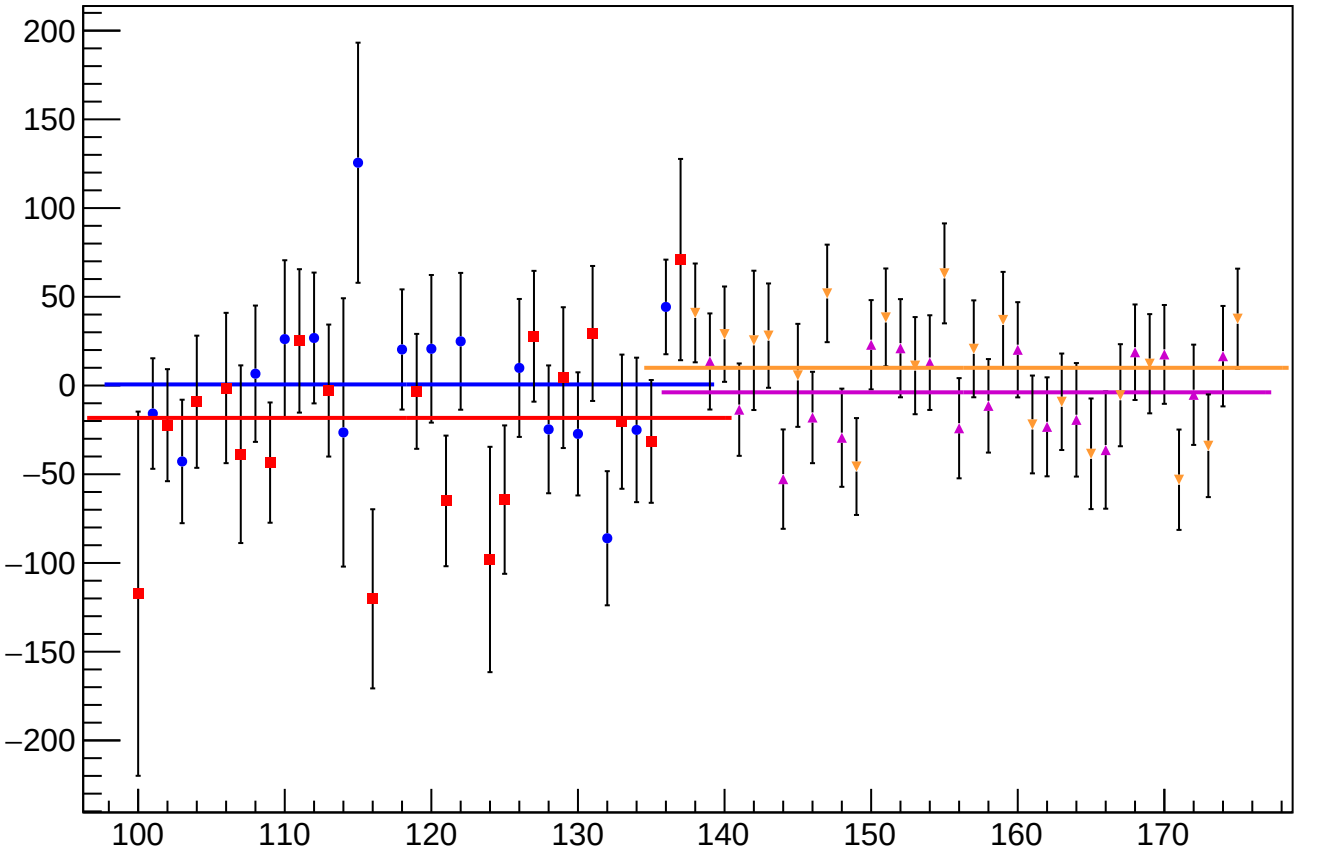
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 183.759+/-0.035 χ^2/NDF:1540108.2/17

+ sign 208.835+/-0.032 χ^2/NDF: 2288713.6/35

All: 193.436+/-0.021 χ^2/NDF: 5855270.5/72

- sign 181.011+/-0.029 χ^2/NDF: 3148276.7/36



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 9.983+/-6.345 χ^2/NDF:27.3/19

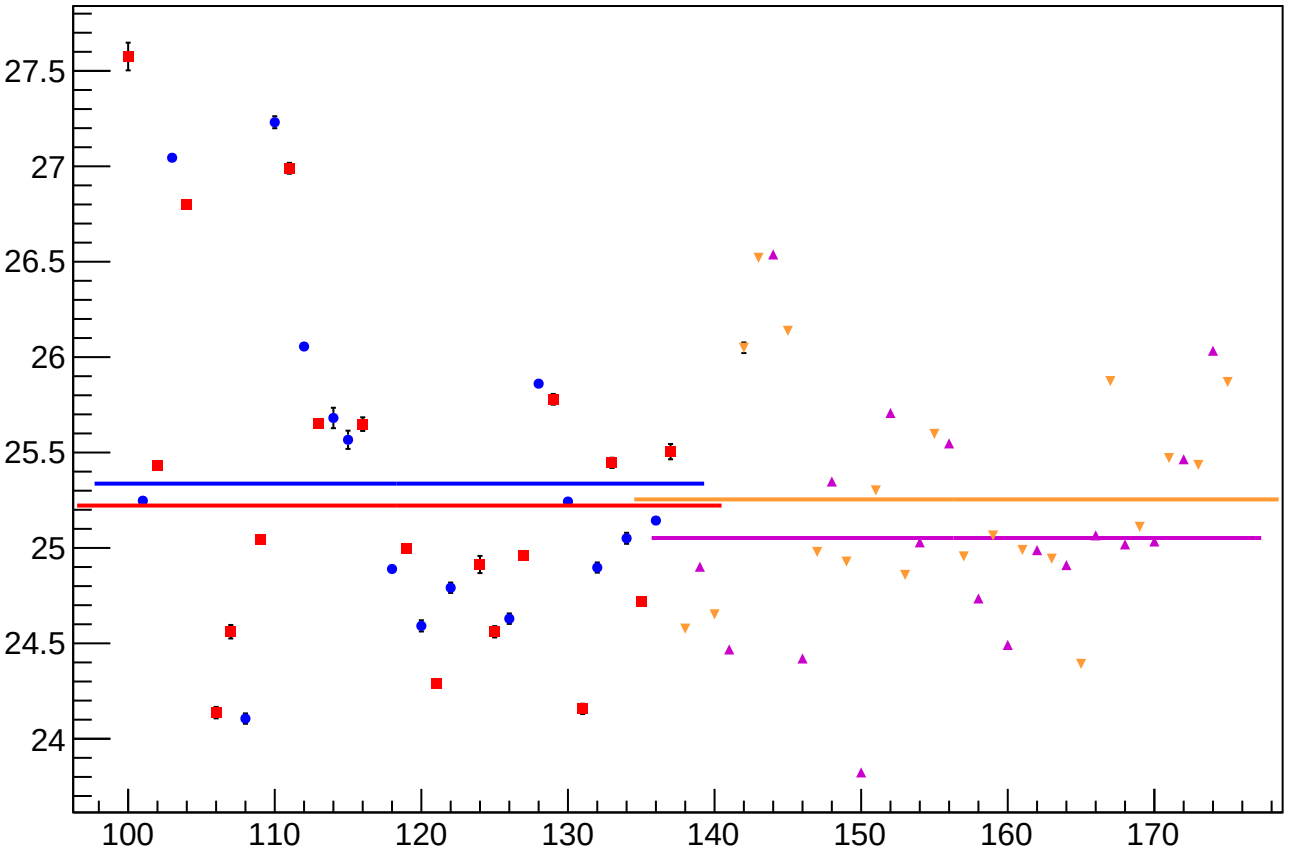
Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: -3.831+/-6.502 χ^2/NDF:12.0/17

+ sign 7.061+/-5.263 χ^2/NDF: 44.8/35

All: -0.711+/-3.739 χ^2/NDF: 80.8/72

- sign -8.628+/-5.312 χ^2/NDF: 31.6/36



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.254+/-0.004 χ^2/NDF:14219.3/19

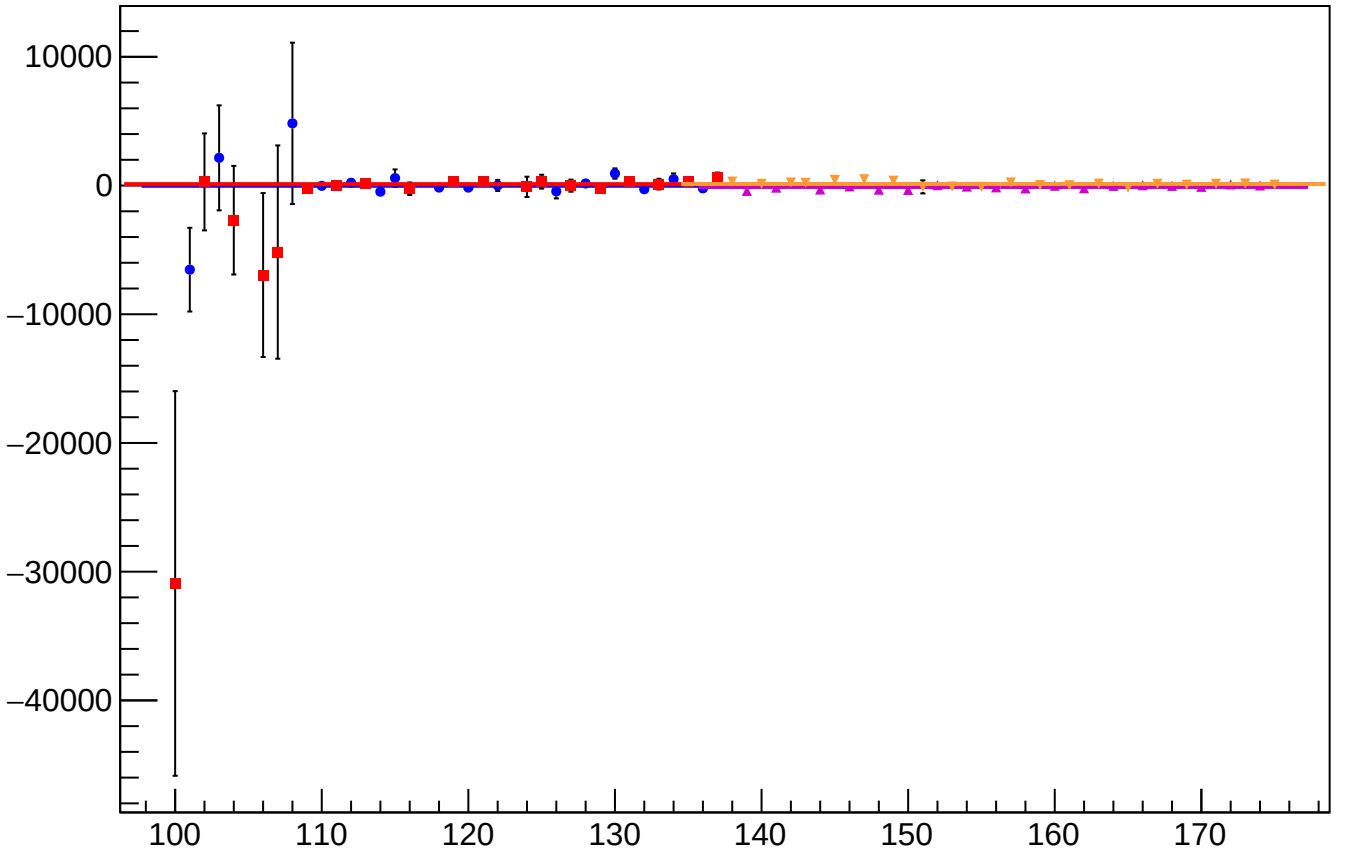
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.052+/-0.005 χ^2/NDF:18682.2/17

\+ sign 25.280+/-0.004 χ^2/NDF: 28640.3/35

All: 25.195+/-0.003 χ^2/NDF: 64053.7/72

\- sign 25.109+/-0.004 χ^2/NDF: 34361.9/36



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 122.941+/-56.269 χ^2/NDF:7.2/19

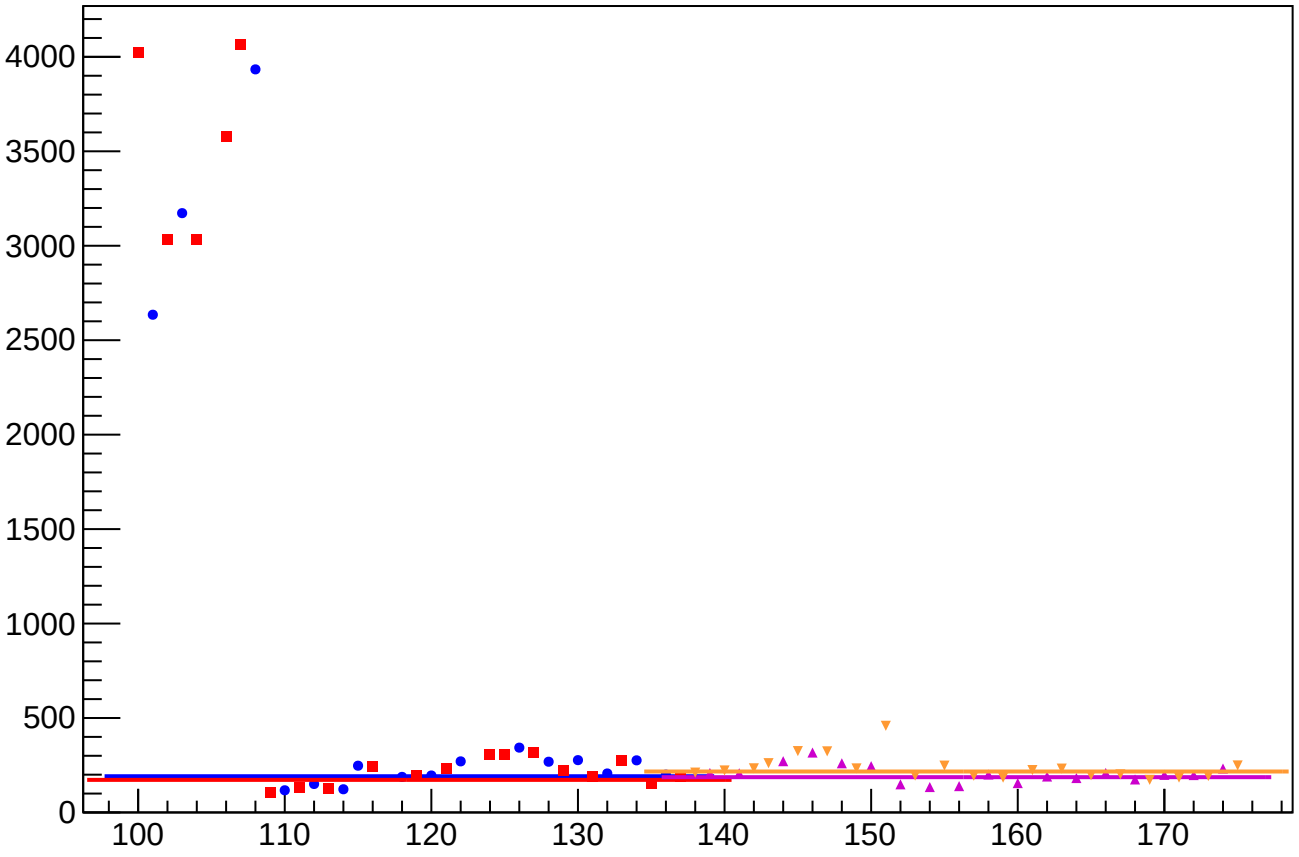
Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: -110.754+/-50.785 χ^2/NDF:6.5/17

+ sign 80.566+/-46.869 χ^2/NDF: 27.3/35

All: 11.495+/-31.514 χ^2/NDF: 57.4/72

- sign -45.499+/-42.575 χ^2/NDF: 26.1/36



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 216.791+/-0.040 χ^2/NDF:1215558.3/19

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

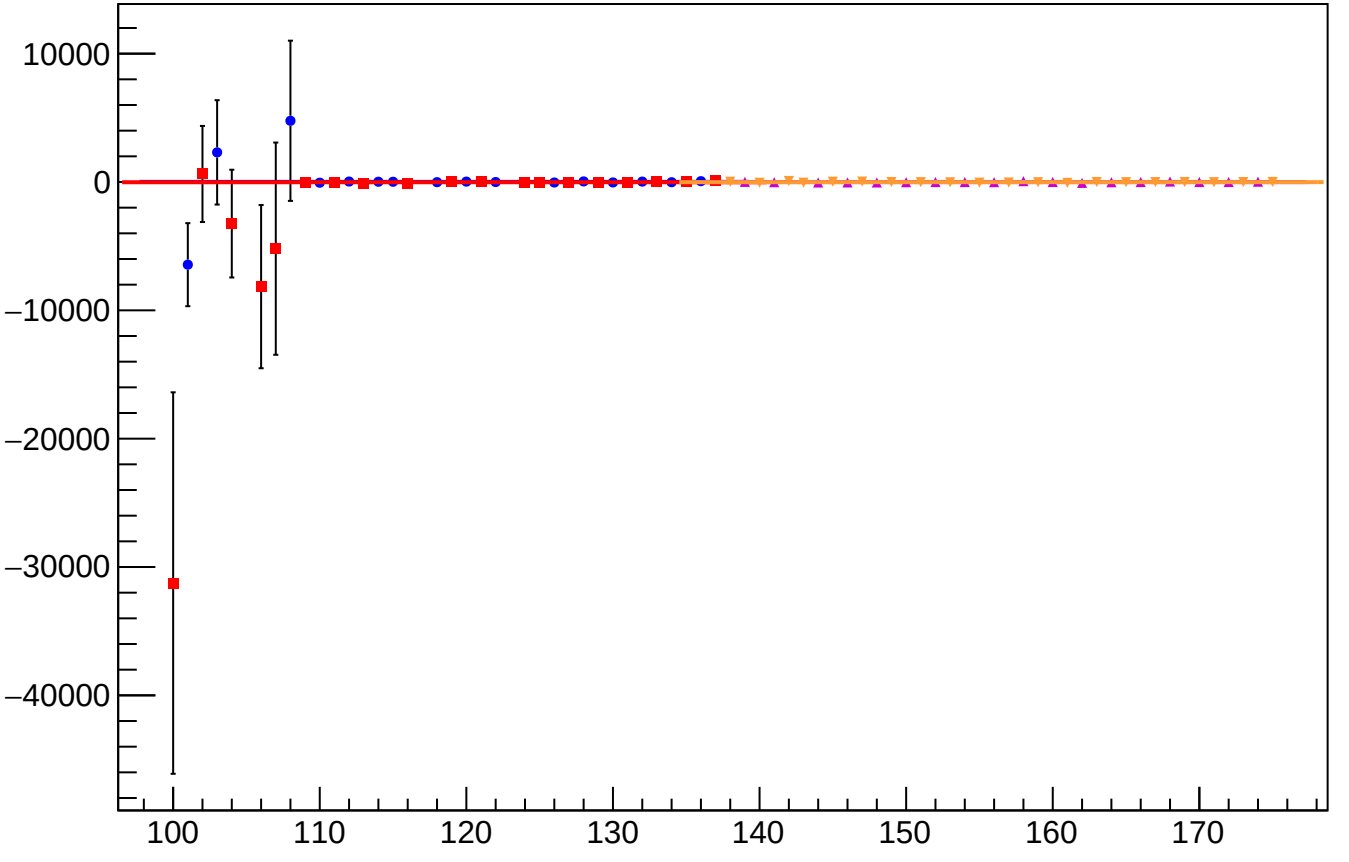
Left In: 186.770+/-0.036 χ^2/NDF:1405351.4/17

+ sign 209.119+/-0.033 χ^2/NDF: 5158779.9/35

All: 194.544+/-0.022 χ^2/NDF: 11267419.0/72

- sign 182.518+/-0.030 χ^2/NDF: 5755655.5/36

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -12.849+/-7.233 χ^2/NDF:18.2/19

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

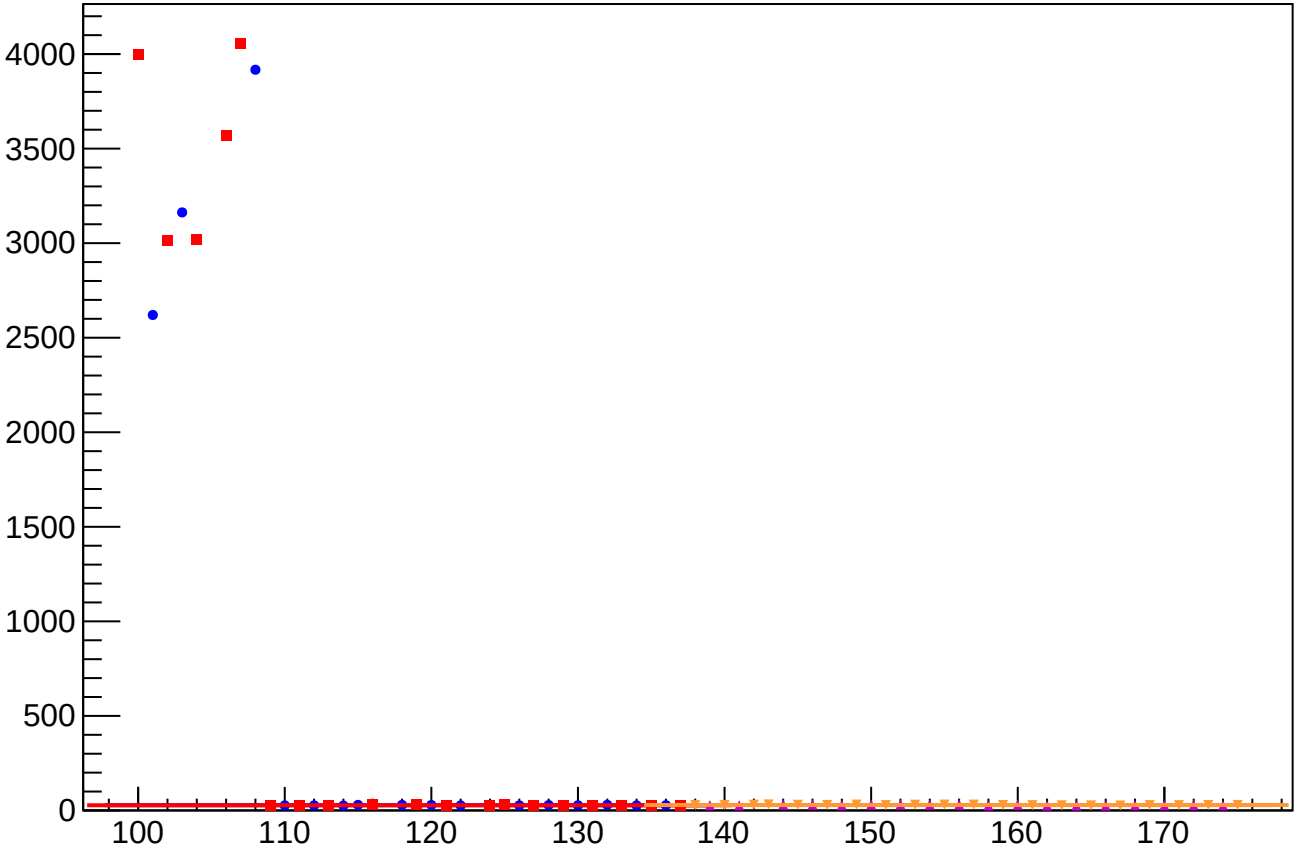
Left In: -5.073+/-7.447 χ^2/NDF:17.6/17

+ sign -6.636+/-6.150 χ^2/NDF: 36.9/35

All: -7.684+/-4.400 χ^2/NDF: 80.2/72

- sign -8.782+/-6.298 χ^2/NDF: 43.3/36

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 28.731+/-0.005 χ^2/NDF:82369.4/19

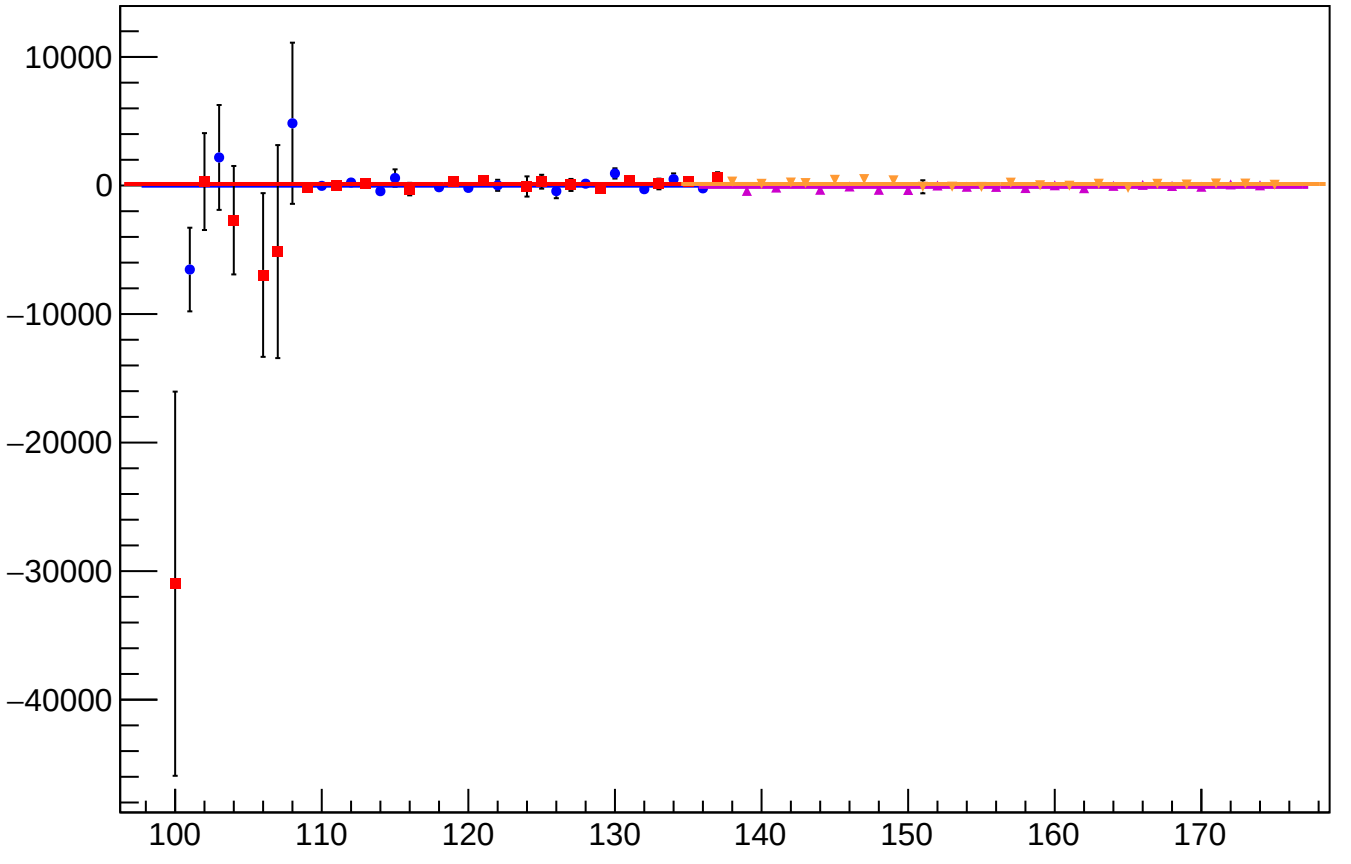
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.618+/-0.005 χ^2/NDF:114125.1/17

+ sign 28.429+/-0.004 χ^2/NDF: 3360424.3/35

All: 28.371+/-0.003 χ^2/NDF: 7042202.0/72

- sign 28.310+/-0.004 χ^2/NDF: 3681412.5/36



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 117.096+/-56.151 χ^2/NDF:7.9/19

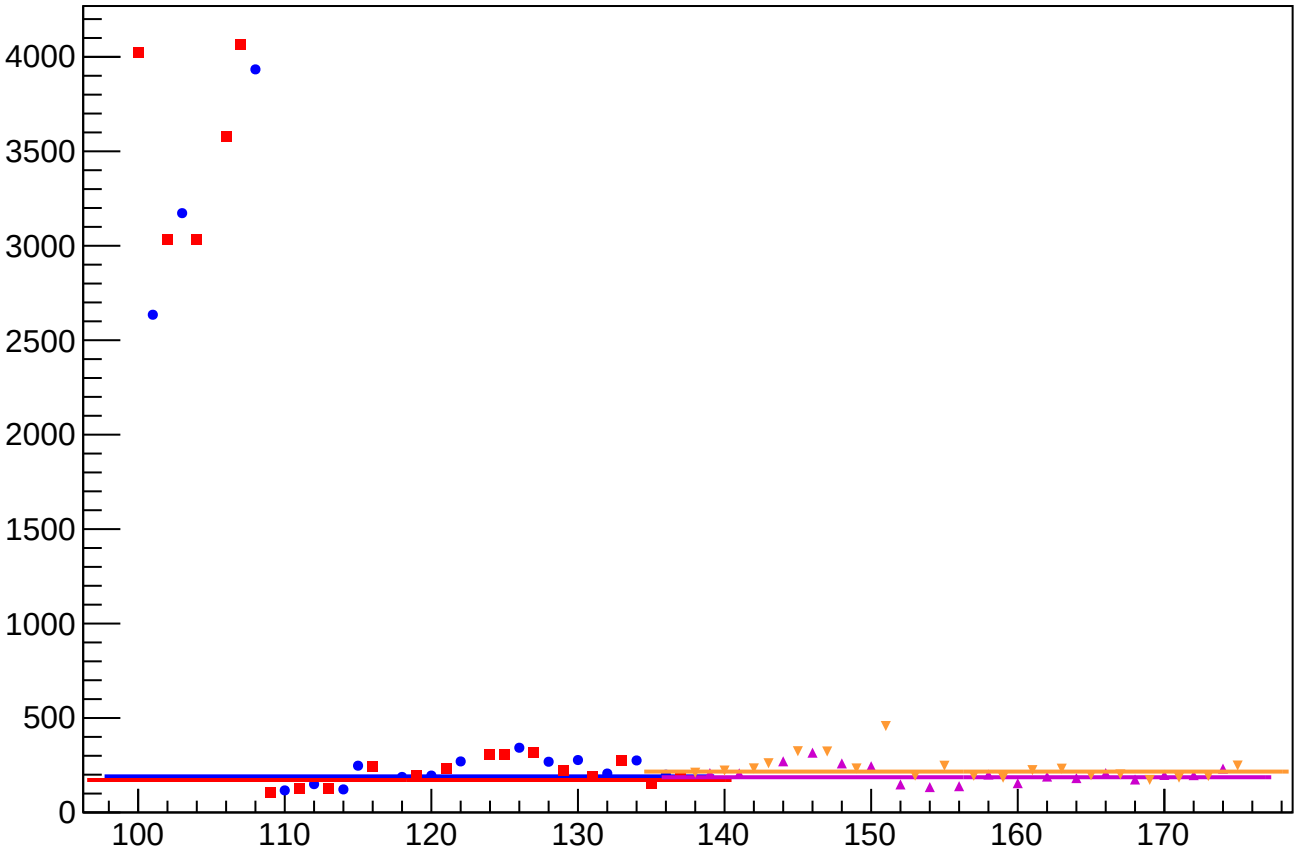
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -107.924+/-50.689 χ^2/NDF:6.7/17

+ sign 77.167+/-46.759 χ^2/NDF: 27.9/35

All: 12.619+/-31.442 χ^2/NDF: 58.5/72

- sign -40.656+/-42.481 χ^2/NDF: 27.1/36



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 216.340+/-0.040 χ^2/NDF:1214993.0/19

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

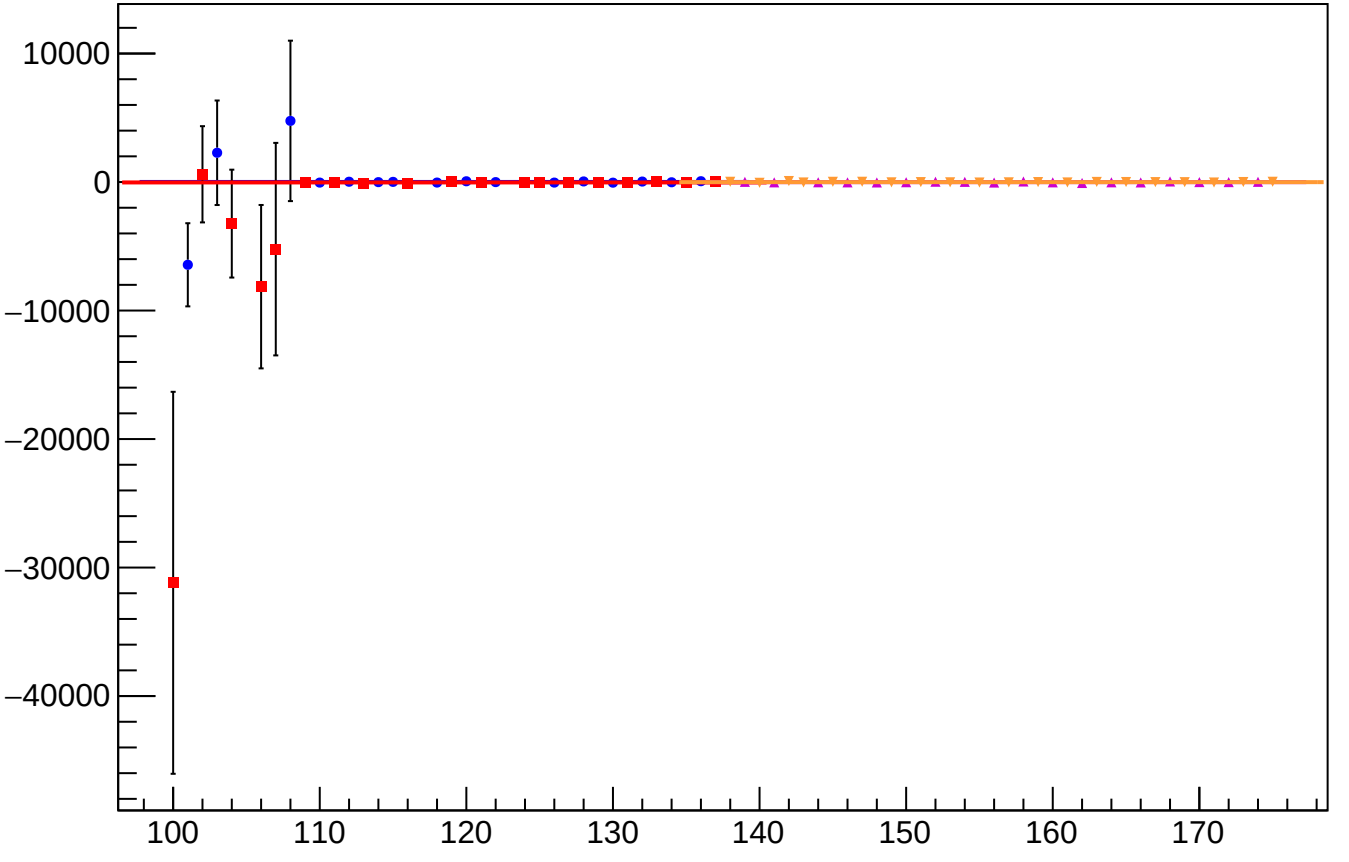
Left In: 186.423+/-0.036 χ^2/NDF:1404817.7/17

+ sign 208.594+/-0.033 χ^2/NDF: 5173118.5/35

All: 194.069+/-0.022 χ^2/NDF: 11294220.0/72

- sign 182.081+/-0.030 χ^2/NDF: 5768849.1/36

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -8.114+/-7.281 χ^2/NDF:13.0/19

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

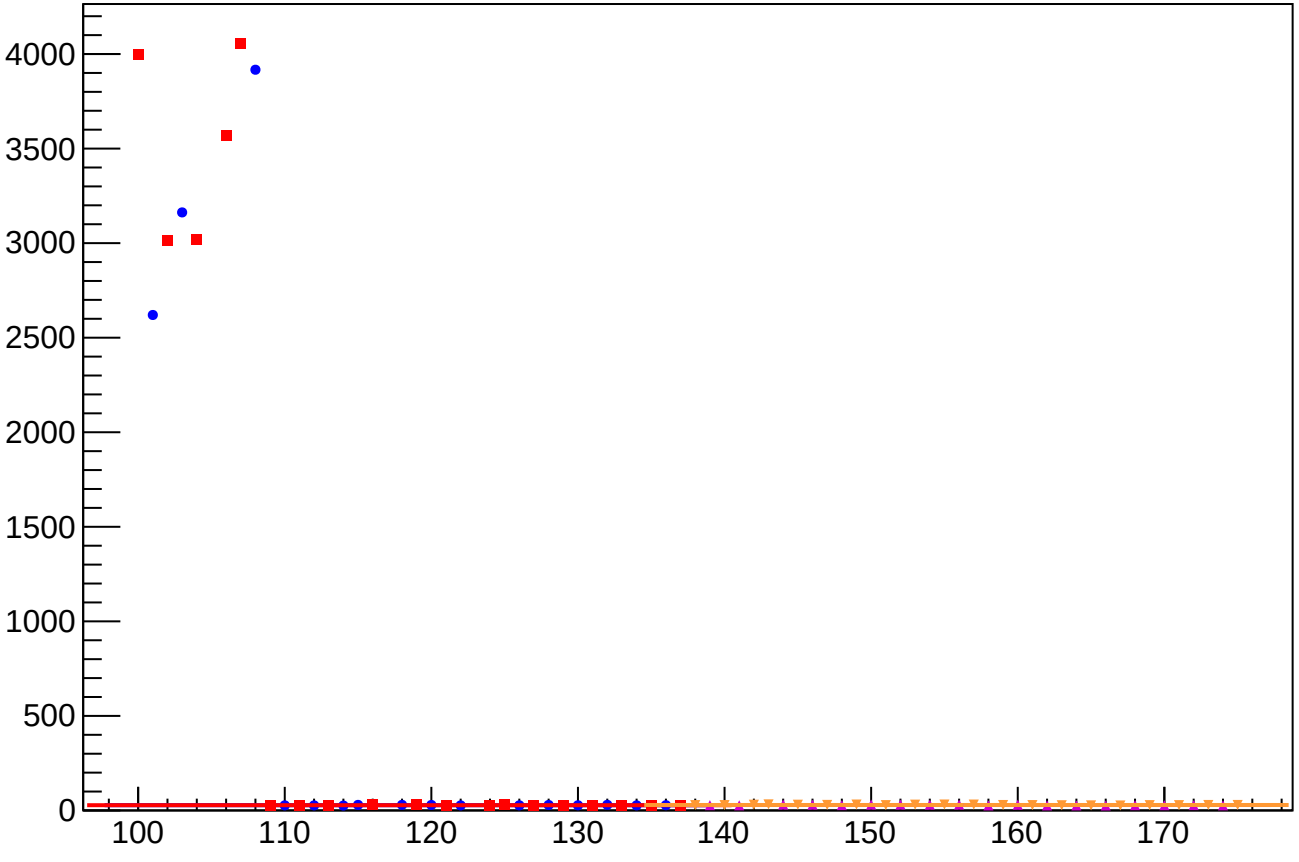
Left In: -6.679+/-7.487 χ^2/NDF:16.7/17

+ sign -4.069+/-6.191 χ^2/NDF: 32.4/35

All: -8.706+/-4.428 χ^2/NDF: 73.1/72

- sign -13.564+/-6.337 χ^2/NDF: 39.6/36

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.913+/-0.005 χ^2/NDF:88561.6/19

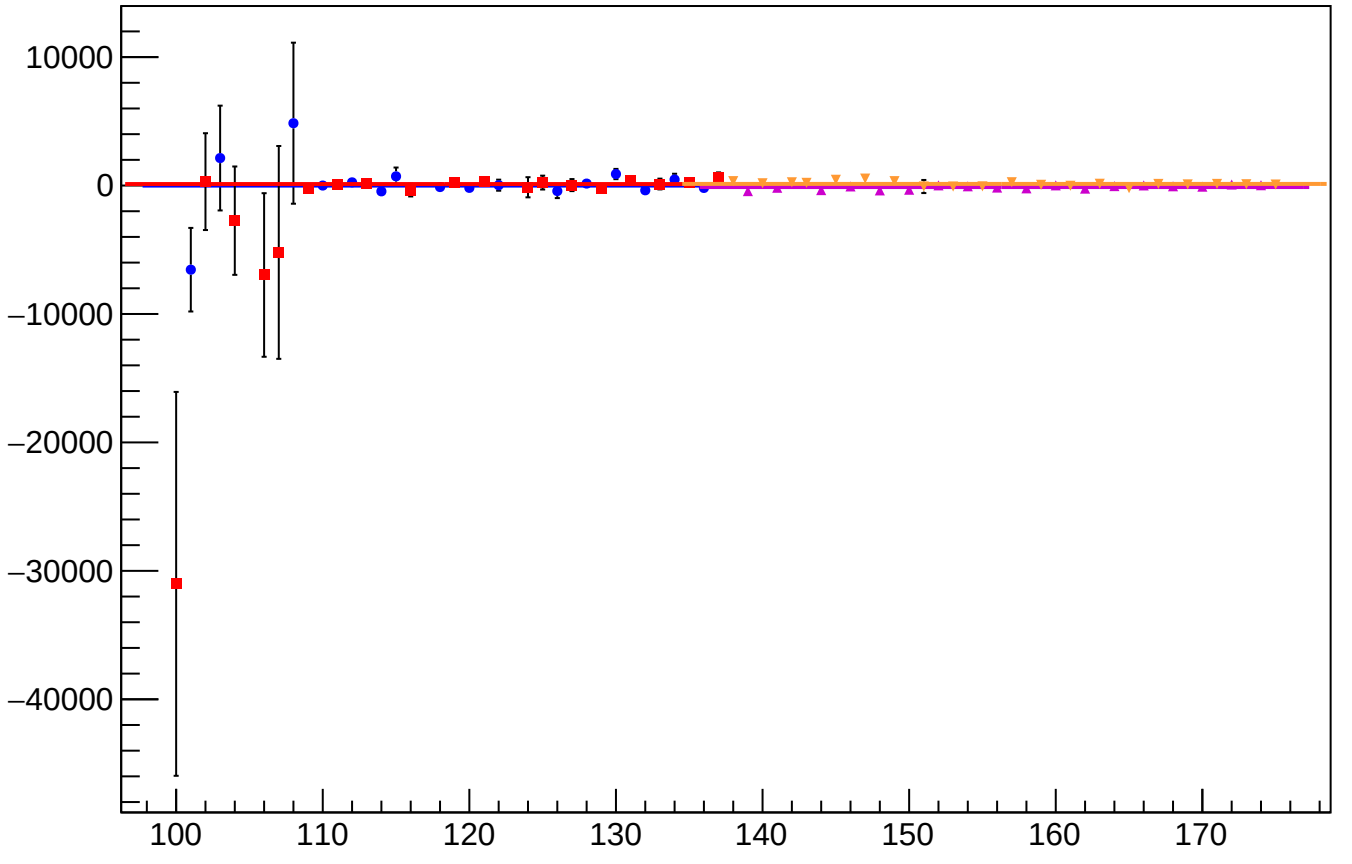
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.774+/-0.005 χ^2/NDF:117010.7/17

+ sign 28.612+/-0.004 χ^2/NDF: 3366839.6/35

All: 28.550+/-0.003 χ^2/NDF: 7053473.7/72

- sign 28.485+/-0.004 χ^2/NDF: 3686220.8/36



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 126.013+/-56.714 χ^2/NDF:7.8/19

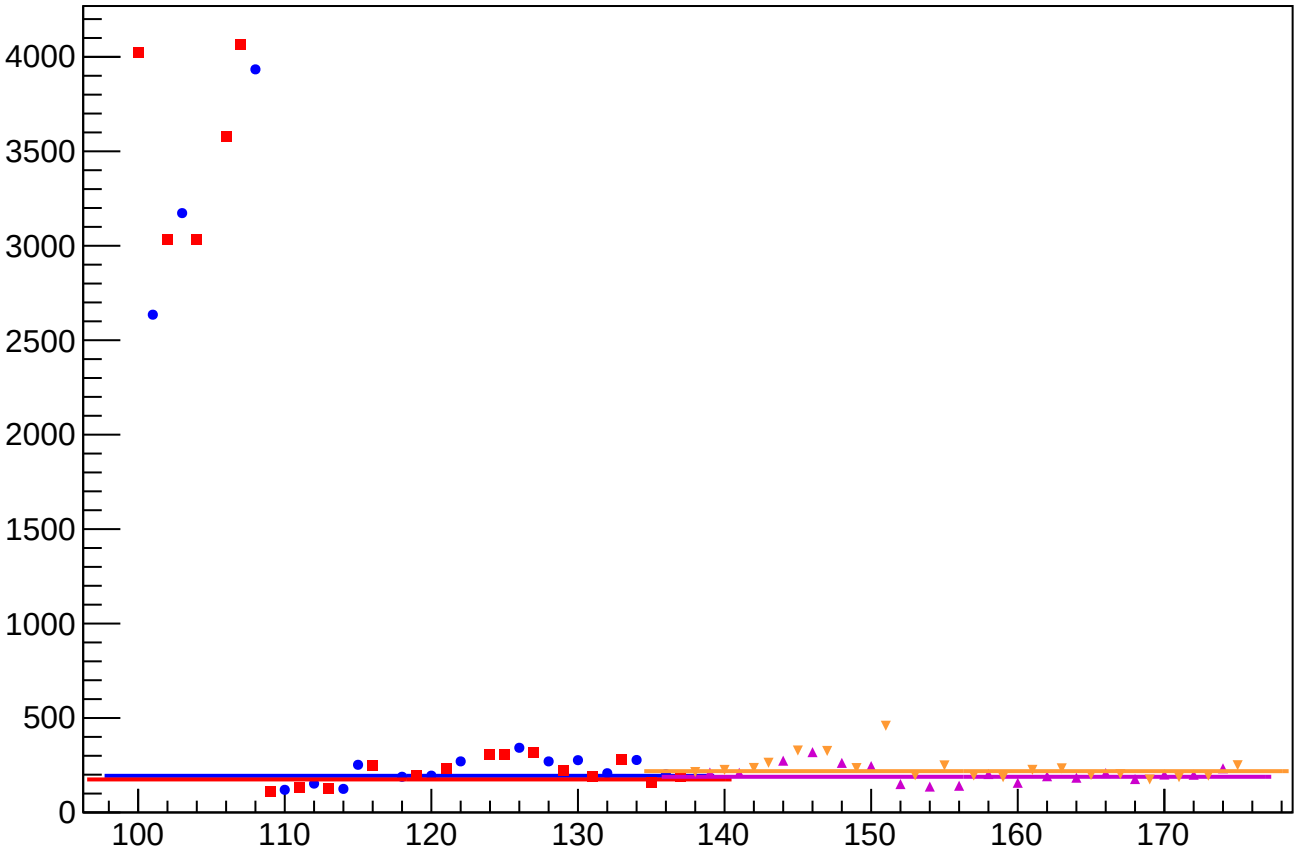
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -117.344+/-51.293 χ^2/NDF:7.2/17

+ sign 86.661+/-47.263 χ^2/NDF: 27.6/35

All: 12.917+/-31.811 χ^2/NDF: 59.2/72

- sign -48.160+/-43.013 χ^2/NDF: 27.2/36



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 218.615+/-0.040 χ^2/NDF:1200609.3/19

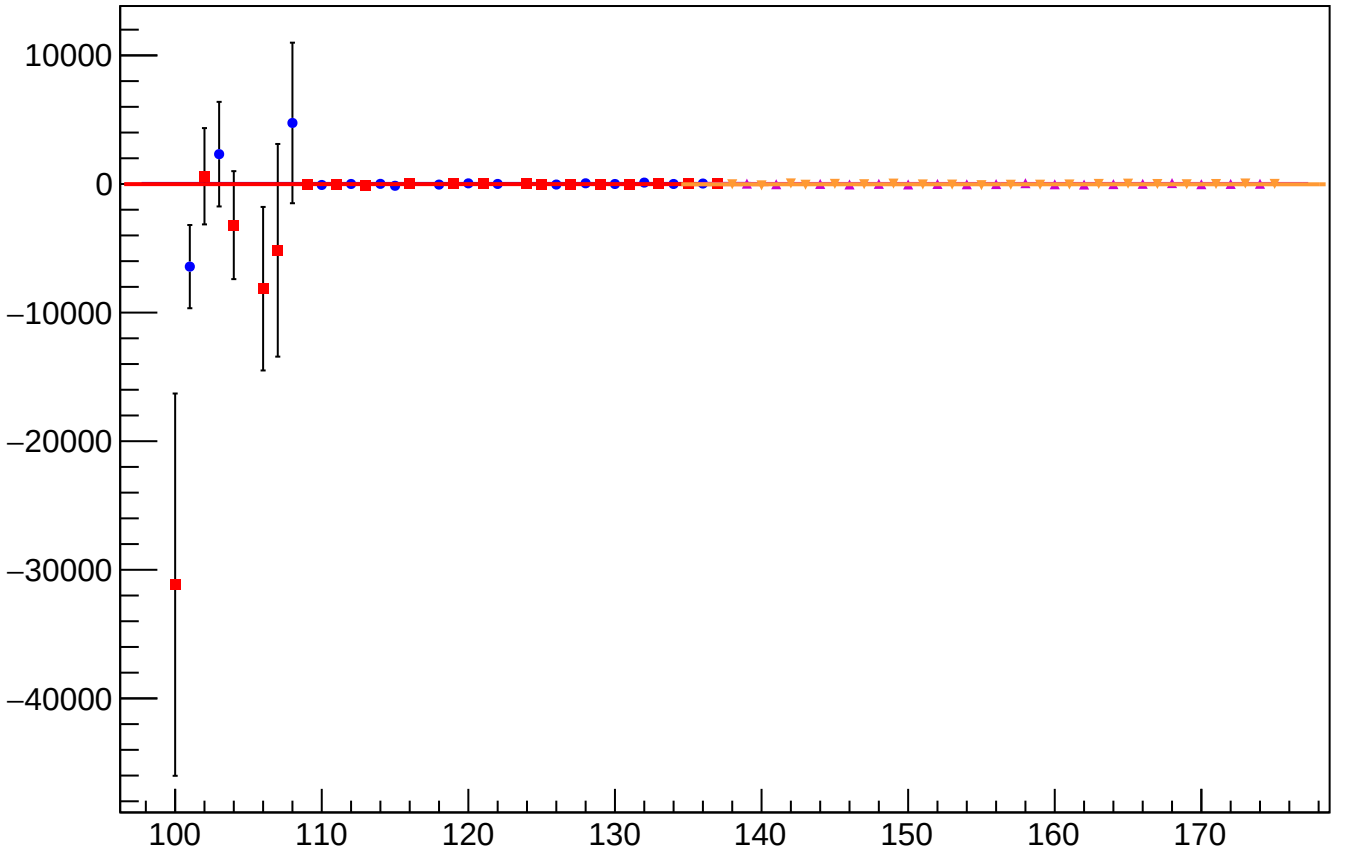
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 188.812+/-0.036 χ^2/NDF:1372950.2/17

+ sign 211.078+/-0.033 χ^2/NDF: 5100678.1/35

All: 196.621+/-0.022 χ^2/NDF: 11119511.6/72

- sign 184.647+/-0.030 χ^2/NDF: 5676698.1/36



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -22.963+/-8.690 χ^2/NDF:20.4/19

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

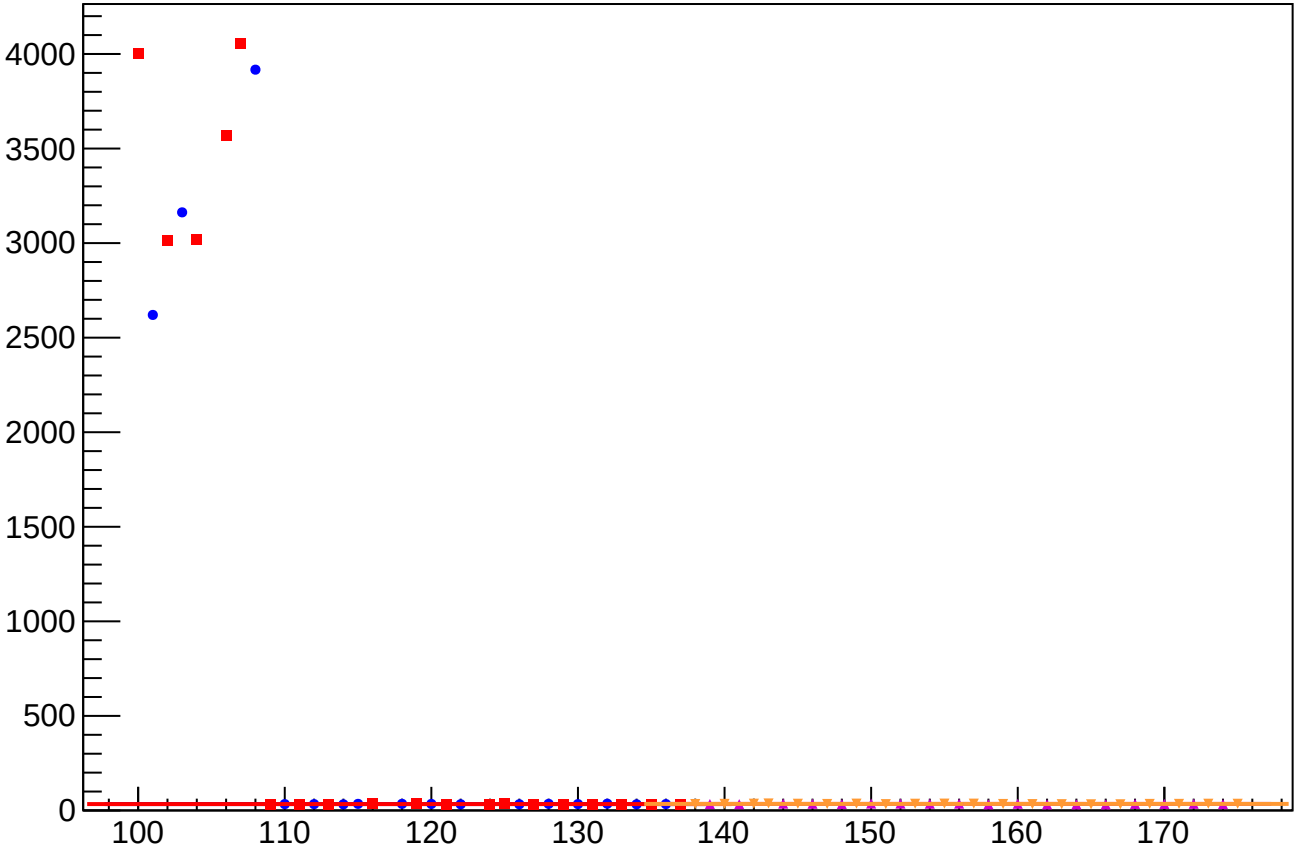
Left In: 3.372+/-8.956 χ^2/NDF:12.1/17

+ sign -15.248+/-7.427 χ^2/NDF: 40.8/35

All: -7.978+/-5.315 χ^2/NDF: 78.9/72

- sign -0.346+/-7.610 χ^2/NDF: 36.1/36

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.567+/-0.006 χ^2/NDF:38711.7/19

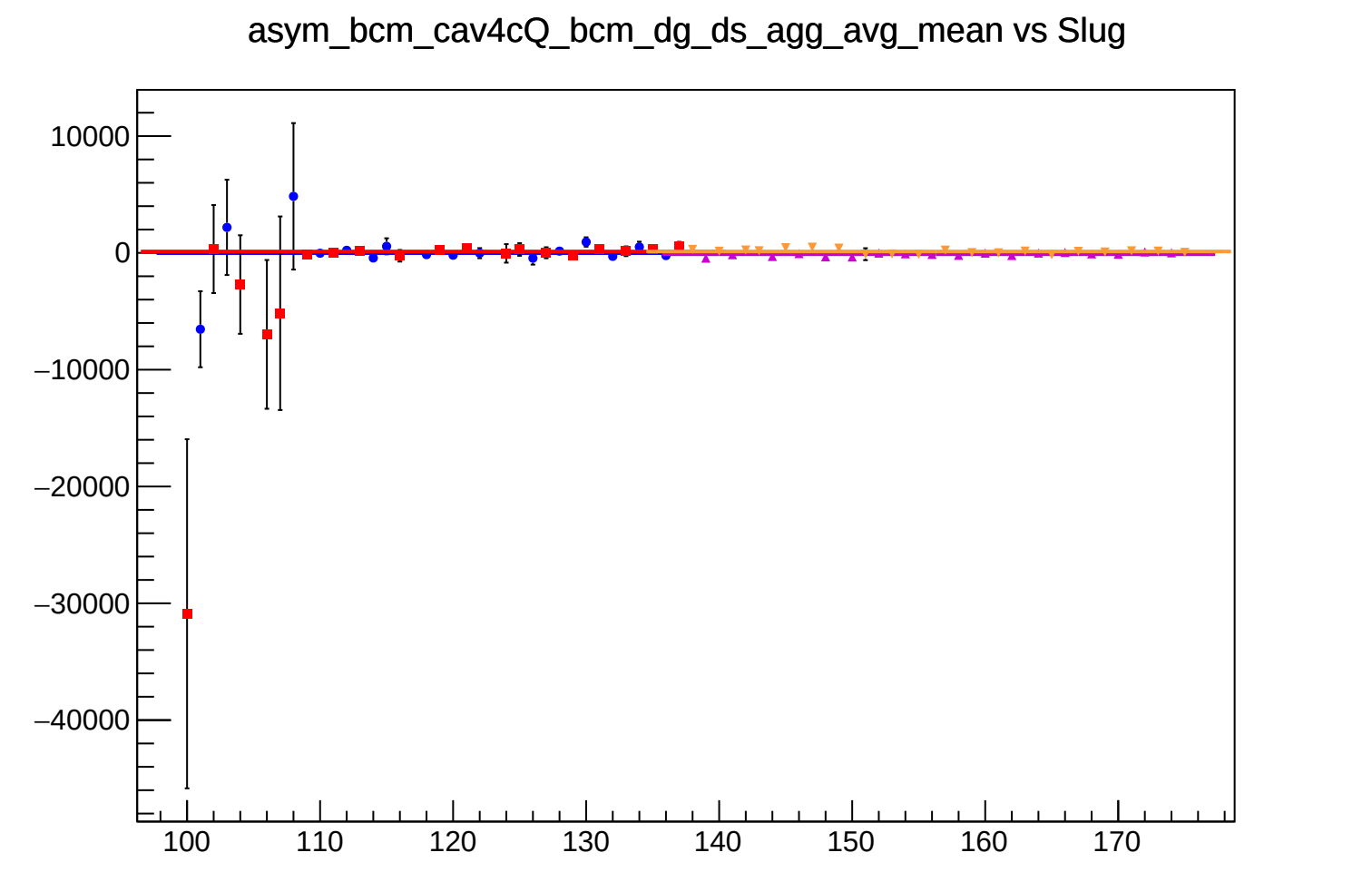
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.485+/-0.006 χ^2/NDF:50688.0/17

+ sign 34.387+/-0.005 χ^2/NDF: 3286274.0/35

All: 34.332+/-0.004 χ^2/NDF: 6867644.2/72

- sign 34.274+/-0.005 χ^2/NDF: 3581144.5/36



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 120.528+/-56.609 χ^2/NDF:7.7/19

Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

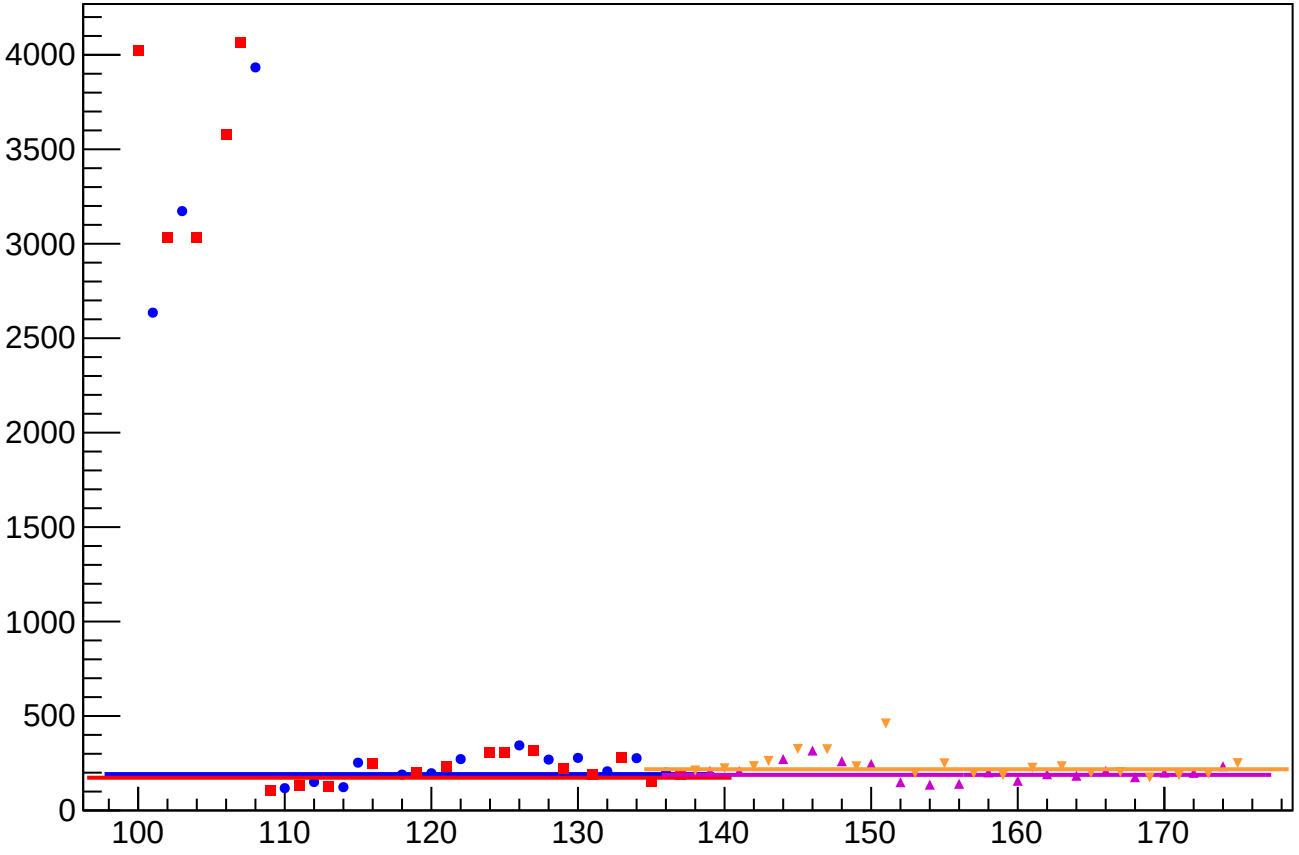
Left In: -116.861+/-51.171 χ^2/NDF:6.6/17

+ sign 77.541+/-47.127 χ^2/NDF: 27.8/35

All: 9.819+/-31.708 χ^2/NDF: 57.8/72

- sign -46.194+/-42.860 χ^2/NDF: 26.2/36

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 218.204+/-0.040 χ^2/NDF:1195814.0/19

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

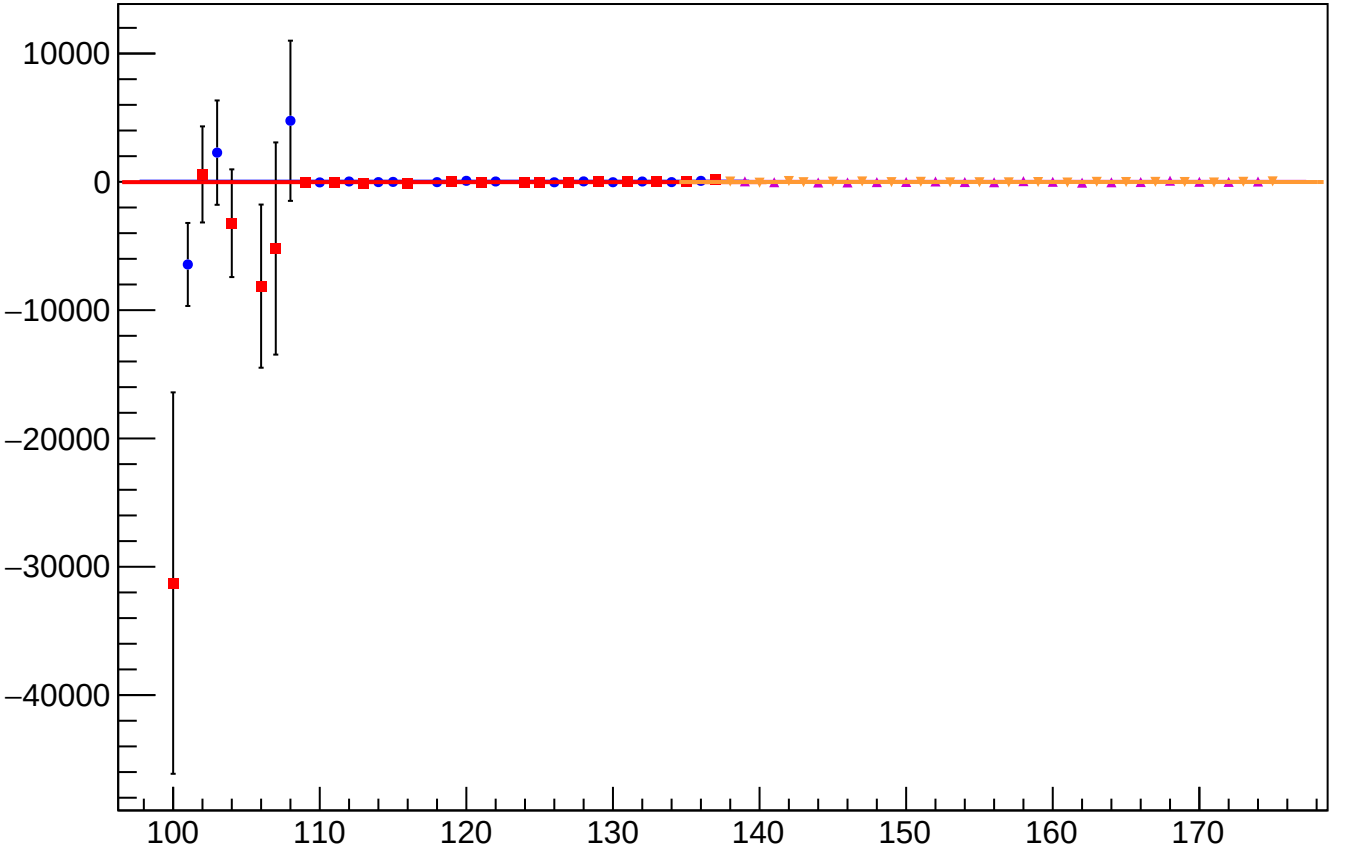
Left In: 188.351+/-0.036 χ^2/NDF:1364150.0/17

+ sign 210.333+/-0.033 χ^2/NDF: 5144583.8/35

All: 195.835+/-0.022 χ^2/NDF: 11213970.2/72

- sign 183.844+/-0.030 χ^2/NDF: 5723563.3/36

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -13.572+/-7.872 χ^2/NDF:15.1/19

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

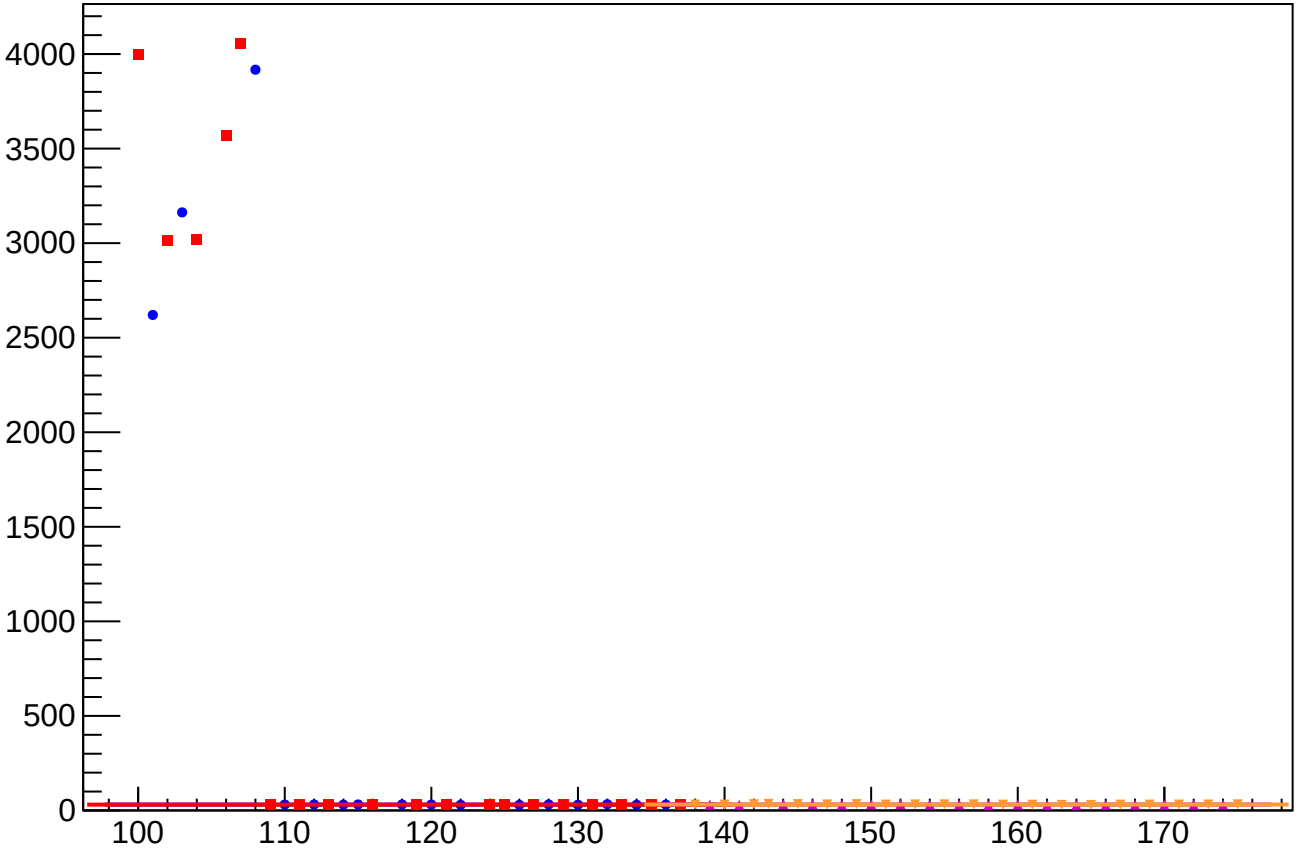
Left In: -1.206+/-8.119 χ^2/NDF:23.3/17

+ sign -6.303+/-6.742 χ^2/NDF: 33.8/35

All: -6.771+/-4.827 χ^2/NDF: 87.7/72

- sign -7.264+/-6.913 χ^2/NDF: 54.0/36

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.285+/-0.006 χ^2/NDF:59456.2/19

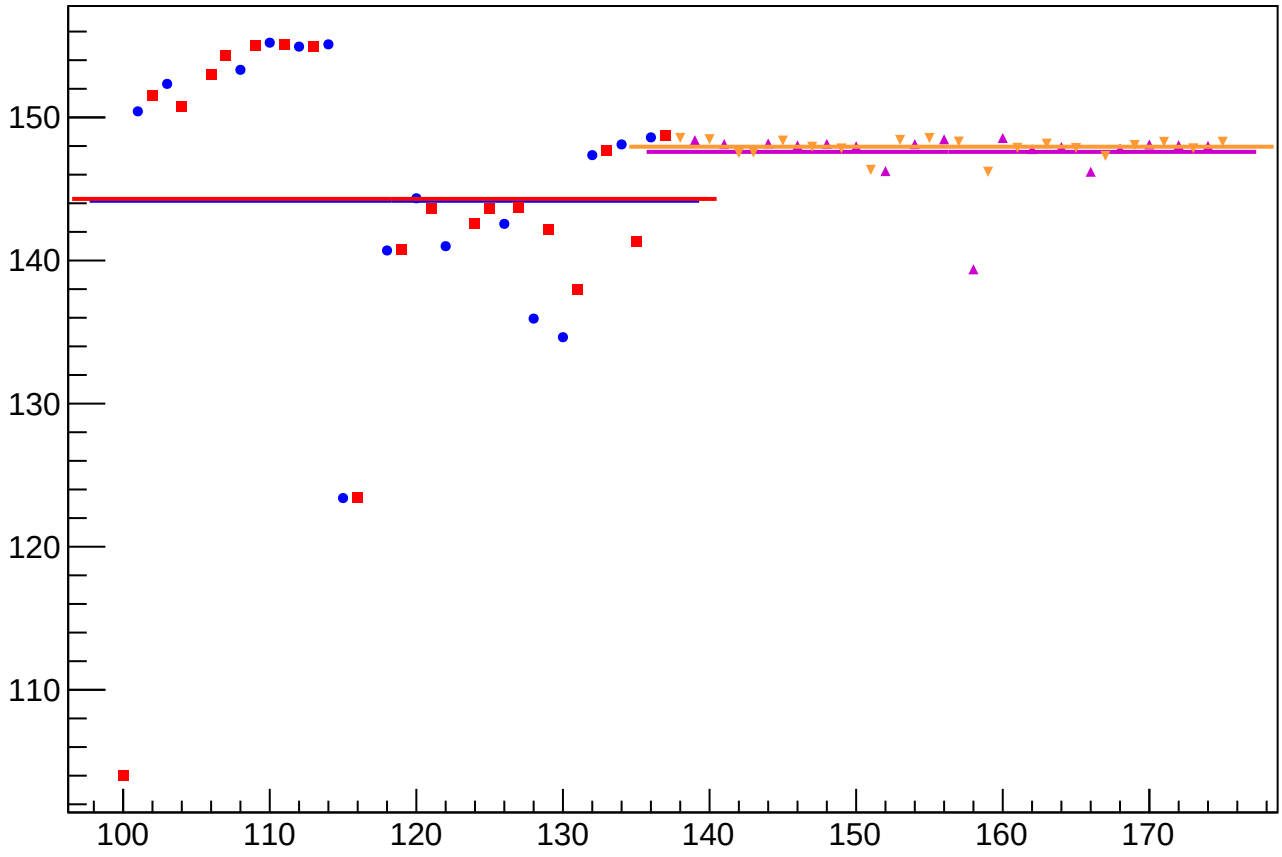
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.224+/-0.006 χ^2/NDF:78400.2/17

+ sign 31.190+/-0.005 χ^2/NDF: 3313158.5/35

All: 31.147+/-0.003 χ^2/NDF: 6929630.8/72

- sign 31.101+/-0.005 χ^2/NDF: 3616302.0/36



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.953+/-0.000 χ^2/NDF:34573313.2/19

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

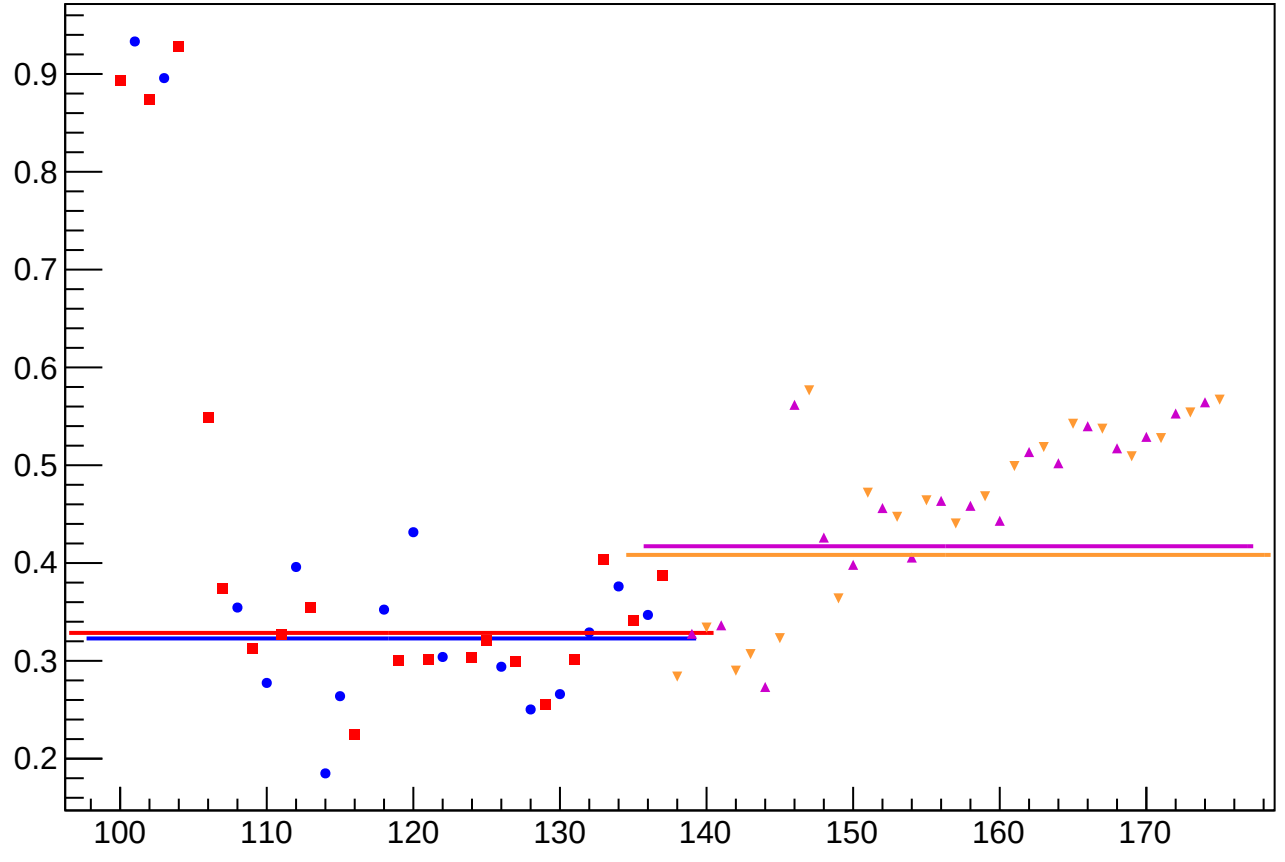
Left In: 147.592+/-0.000 χ^2/NDF:290461427.2/17

+ sign 146.453+/-0.000 χ^2/NDF: 4250148635.3/35

All: 146.339+/-0.000 χ^2/NDF: 9163944979.4

- sign 146.216+/-0.000 χ^2/NDF: 4909891722.1/36

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.408+/-0.000 χ^2/NDF:1710979.1/19

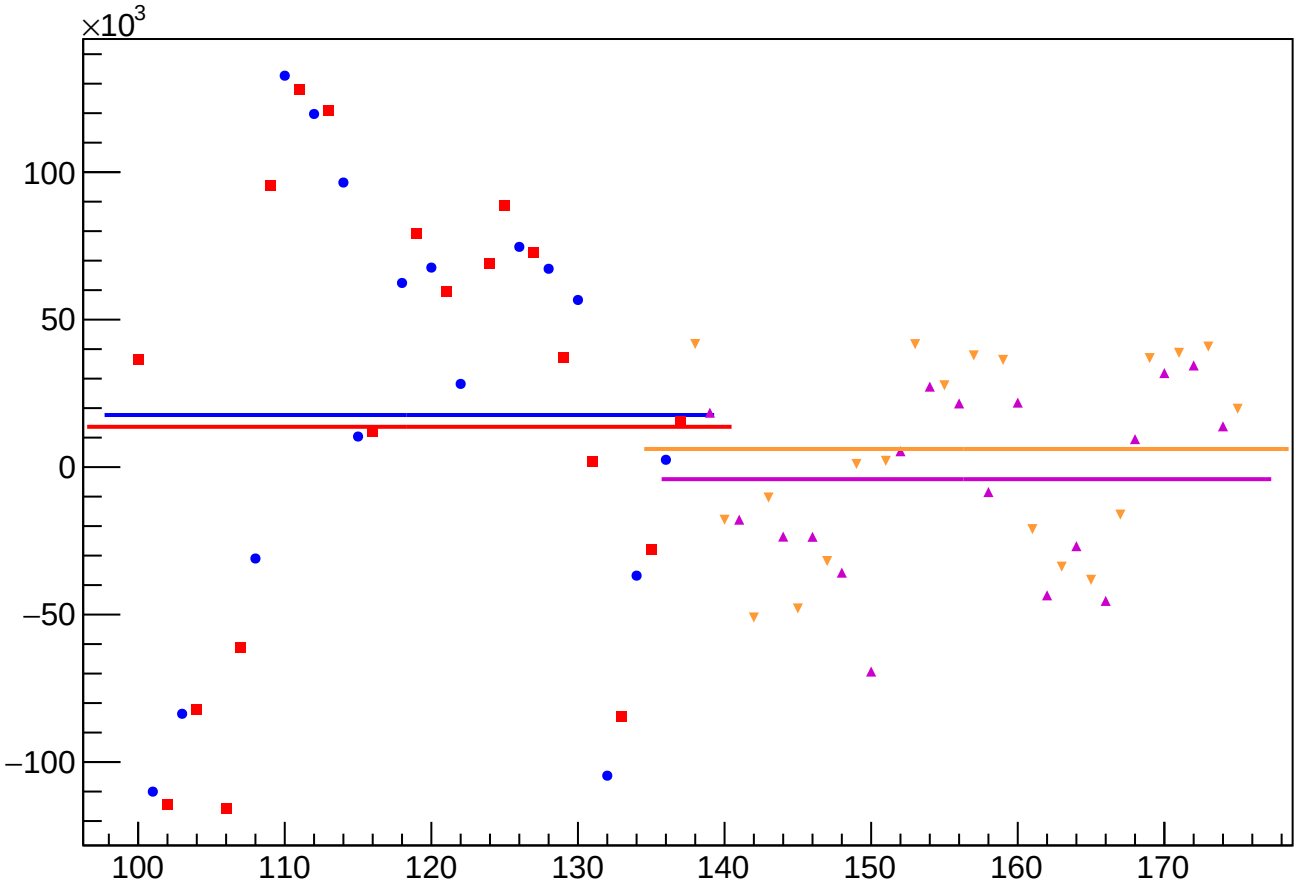
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.417+/-0.000 χ^2/NDF:1357497.2/17

+ sign 0.374+/-0.000 χ^2/NDF: 3609215.0/35

All: 0.377+/-0.000 χ^2/NDF: 6790936.1/72

- sign 0.380+/-0.000 χ^2/NDF: 3177200.3/36



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 6149.890+/-1.218 χ^2/NDF:675272590.3/19

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

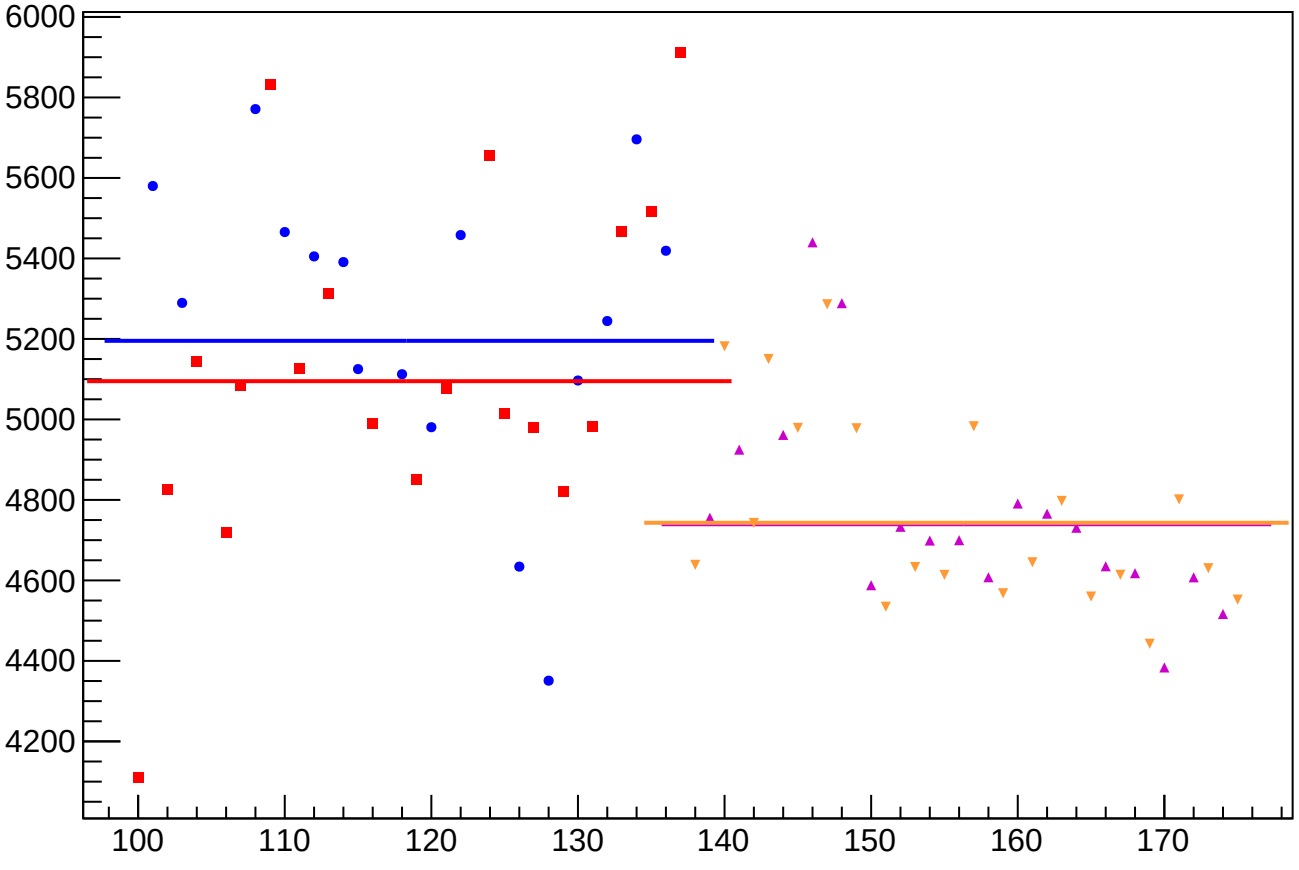
Left In: -4088.006+/-1.258 χ^2/NDF:580707785.5/17

+ sign 9252.565+/-1.041 χ^2/NDF: 2098089569.7/35

All: 5284.997+/-0.740 χ^2/NDF: 4624754822.

- sign 1225.589+/-1.053 χ^2/NDF: 2497281567.1/36

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4743.191+/-0.861 χ^2/NDF:71167.9/19

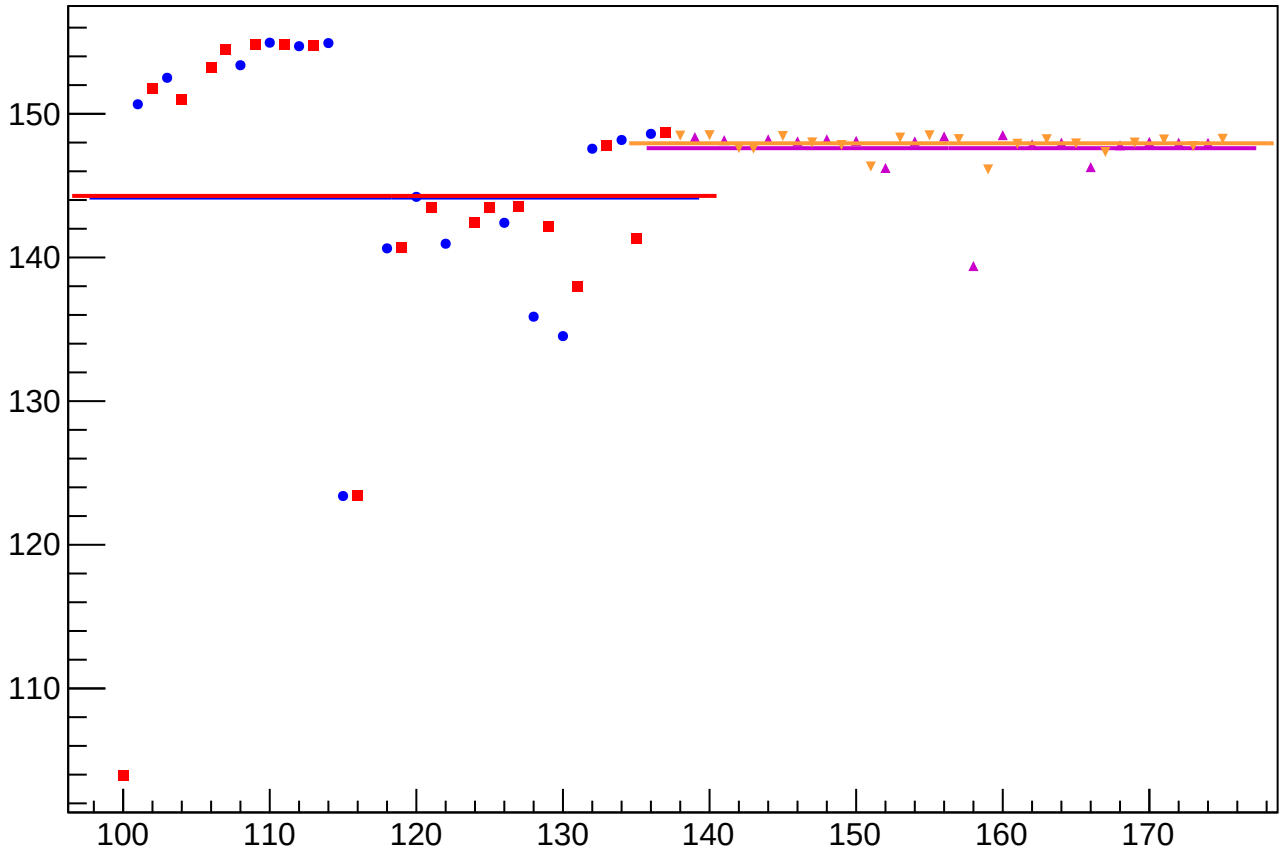
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4739.512+/-0.890 χ^2/NDF:70213.1/17

\+ sign 4865.021+/-0.736 χ^2/NDF: 222583.4/35

All: 4855.579+/-0.524 χ^2/NDF: 400051.0/72

\- sign 4845.918+/-0.745 χ^2/NDF: 177134.7/36



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.948+/-0.000 χ^2/NDF:34366586.3/19

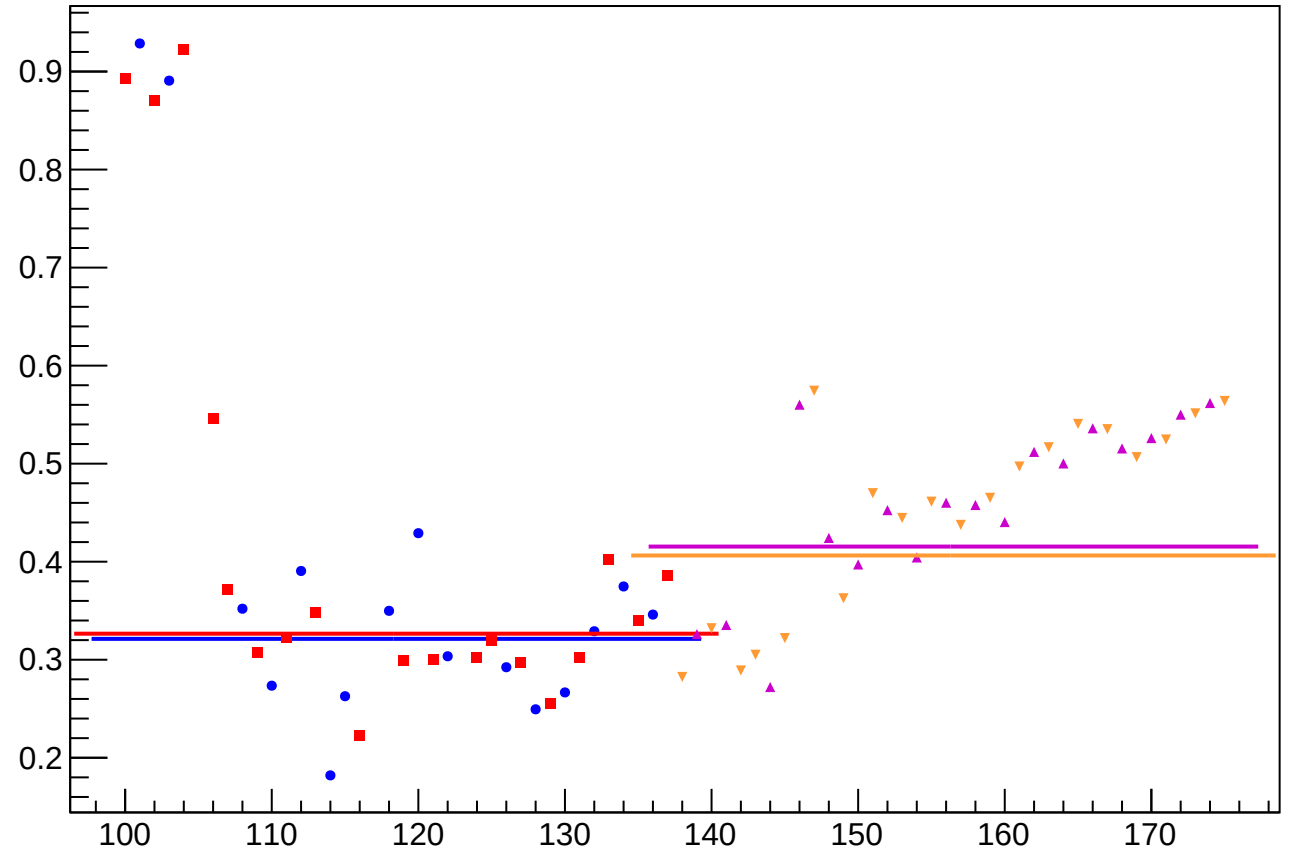
Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.608+/-0.000 χ^2/NDF:290718798.9/17

+ sign 146.448+/-0.000 χ^2/NDF: 4294786393.1/35

All: 146.335+/-0.000 χ^2/NDF: 9245644822.1

- sign 146.215+/-0.000 χ^2/NDF: 4947041739.6/36



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.406+/-0.000 χ^2/NDF:1710918.2/19

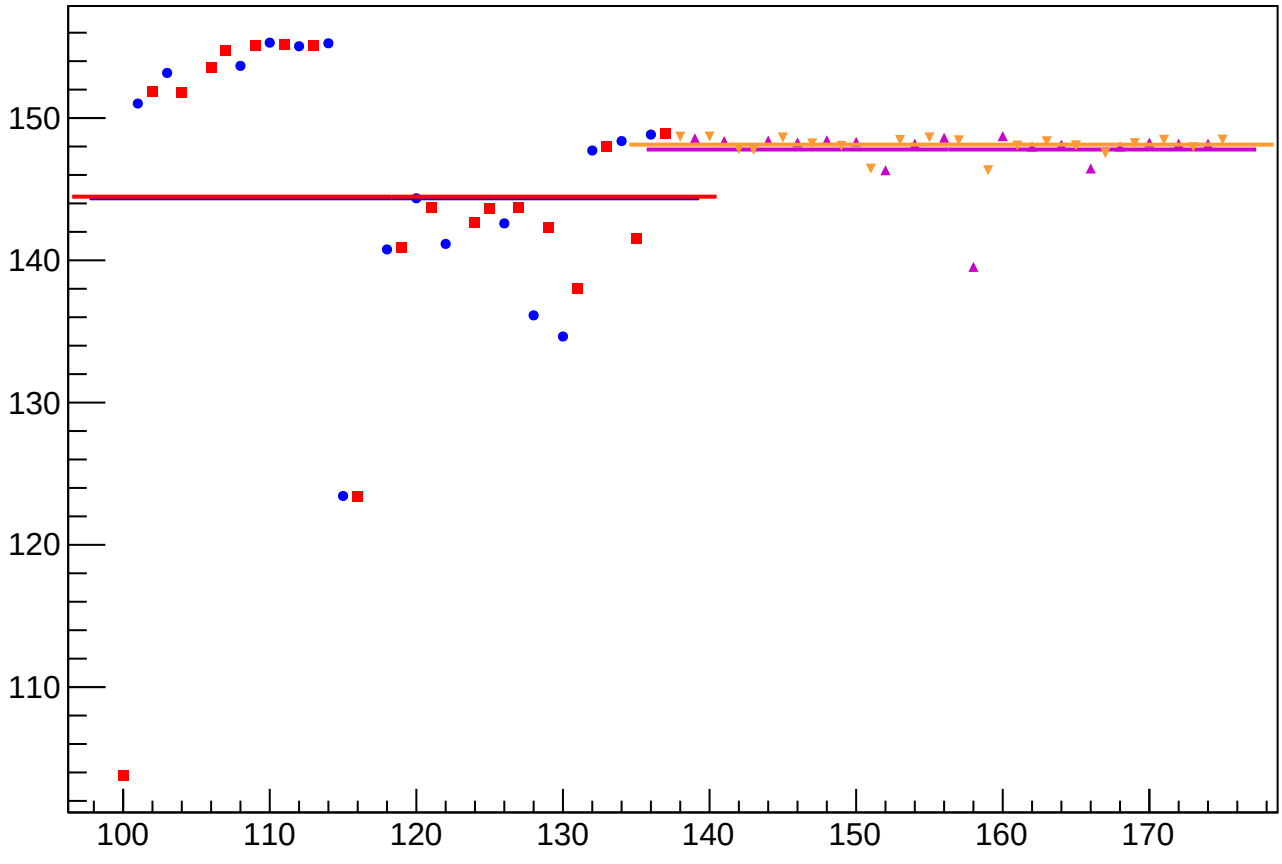
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.415+/-0.000 χ^2/NDF:1353852.2/17

+ sign 0.373+/-0.000 χ^2/NDF: 3609873.5/35

All: 0.375+/-0.000 χ^2/NDF: 6794963.2/72

- sign 0.378+/-0.000 χ^2/NDF: 3180678.5/36



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.133+/-0.000 χ^2/NDF:34531843.3/19

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

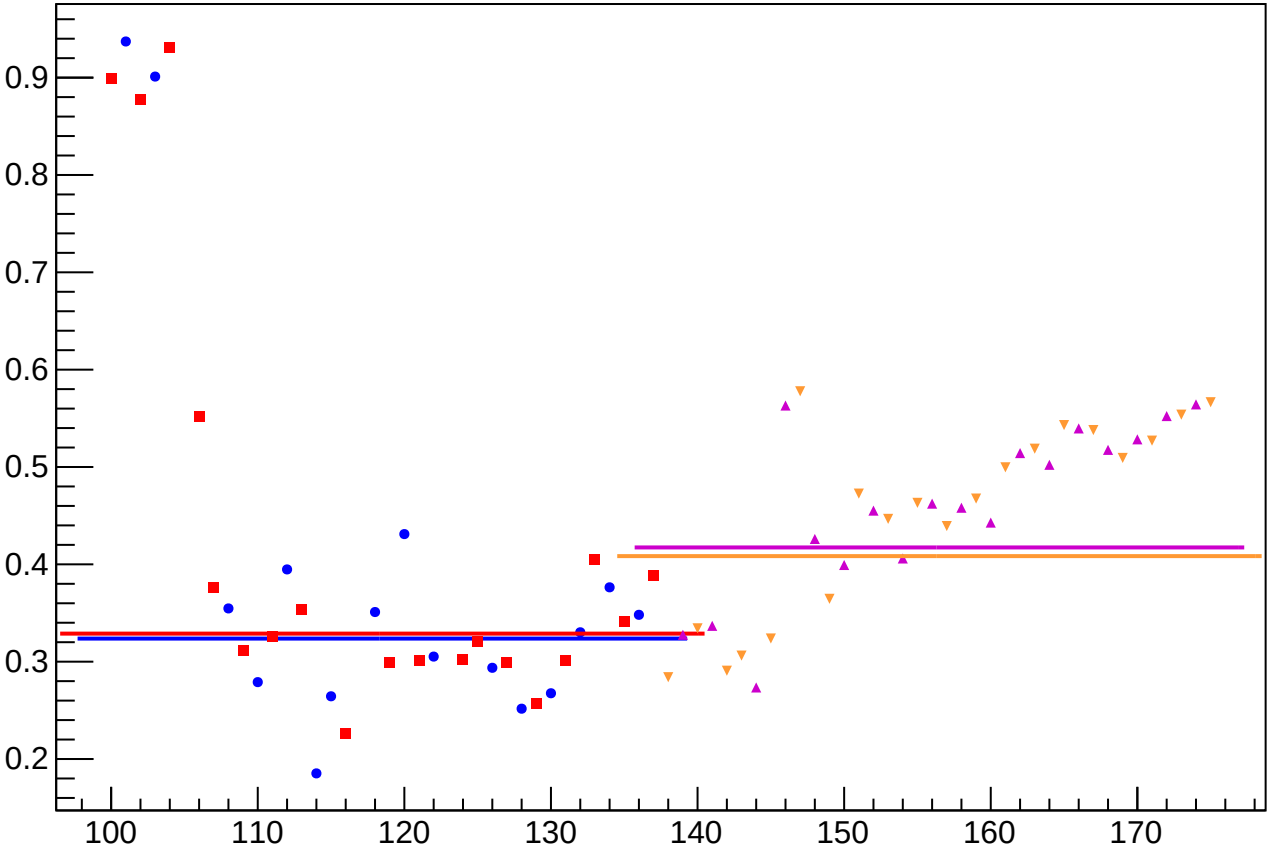
Left In: 147.790+/-0.000 χ^2/NDF:295255185.2/17

+ sign 146.639+/-0.000 χ^2/NDF: 4281430551.1/35

All: 146.525+/-0.000 χ^2/NDF: 9222870578.6

- sign 146.403+/-0.000 χ^2/NDF: 4937575286.5/36

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.408+/-0.000 χ^2/NDF:1707441.1/19

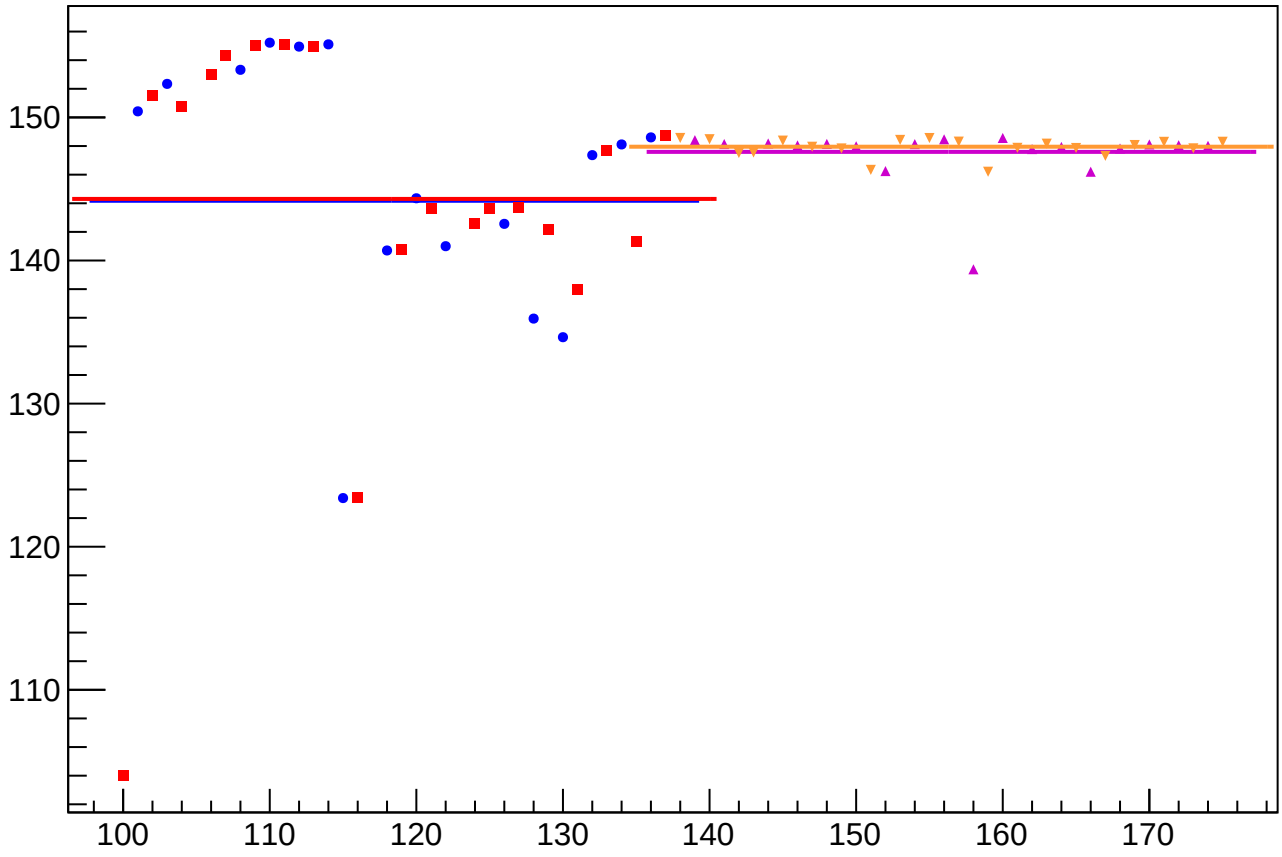
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.417+/-0.000 χ^2/NDF:1352478.4/17

+ sign 0.375+/-0.000 χ^2/NDF: 3592313.5/35

All: 0.378+/-0.000 χ^2/NDF: 6766126.9/72

- sign 0.380+/-0.000 χ^2/NDF: 3169689.7/36



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.953+/-0.000 χ^2/NDF:34573313.2/19

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

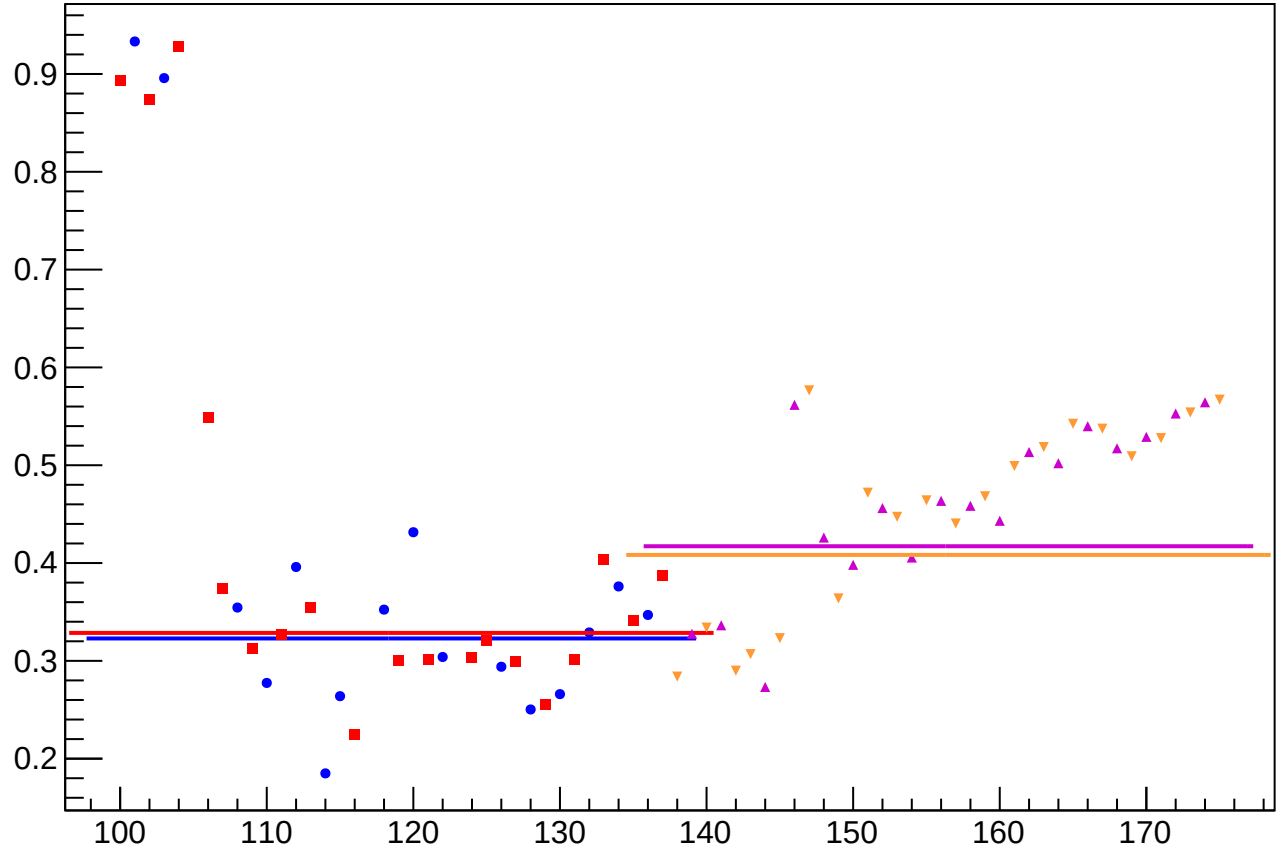
Left In: 147.592+/-0.000 χ^2/NDF:290461427.2/17

+ sign 146.453+/-0.000 χ^2/NDF: 4250148635.3/35

All: 146.339+/-0.000 χ^2/NDF: 9163944979.4

- sign 146.216+/-0.000 χ^2/NDF: 4909891722.1/36

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.408+/-0.000 χ^2/NDF:1710979.1/19

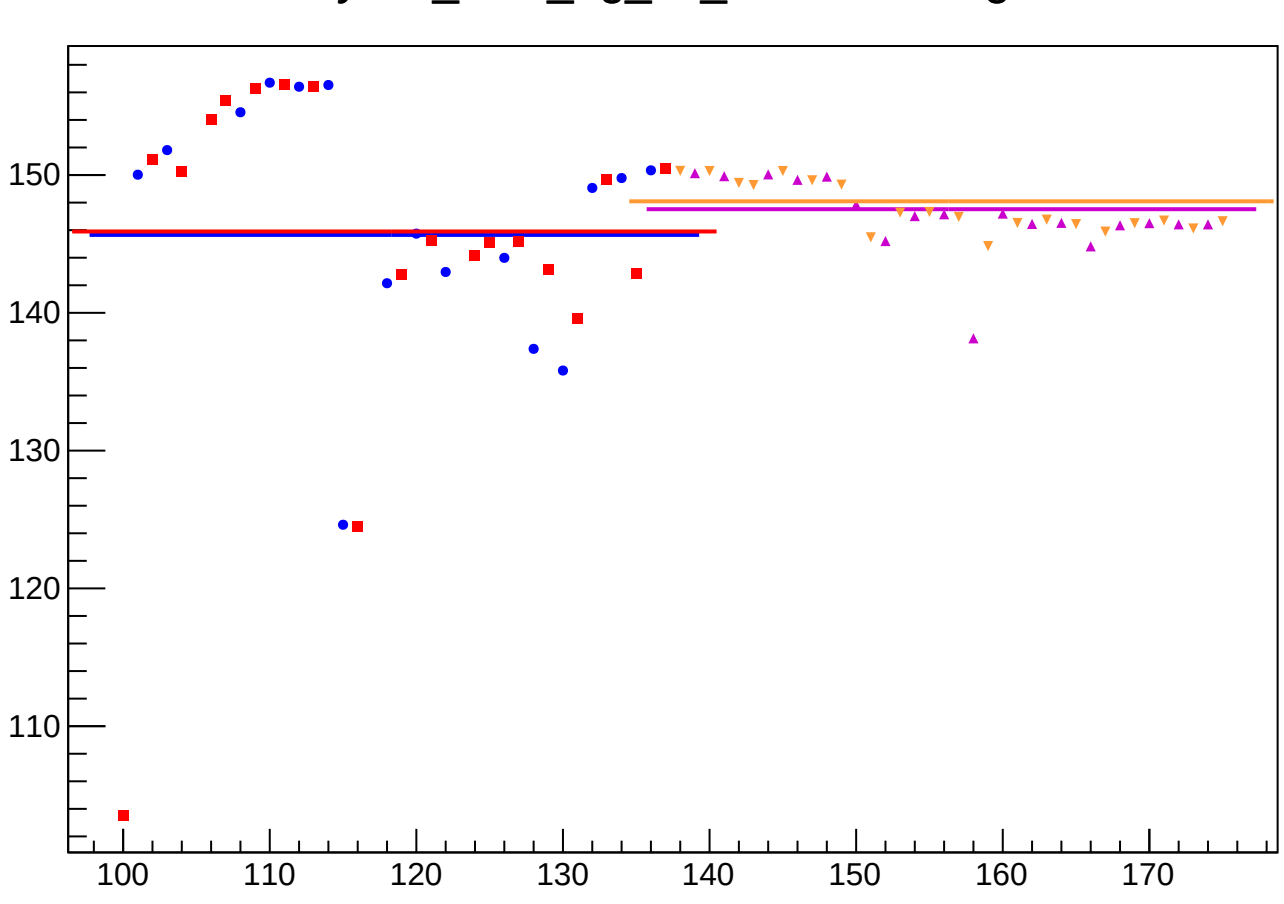
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.417+/-0.000 χ^2/NDF:1357497.2/17

+ sign 0.374+/-0.000 χ^2/NDF: 3609215.0/35

All: 0.377+/-0.000 χ^2/NDF: 6790936.1/72

- sign 0.380+/-0.000 χ^2/NDF: 3177200.3/36



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.094+/-0.000 χ^2/NDF:264195933.0/19

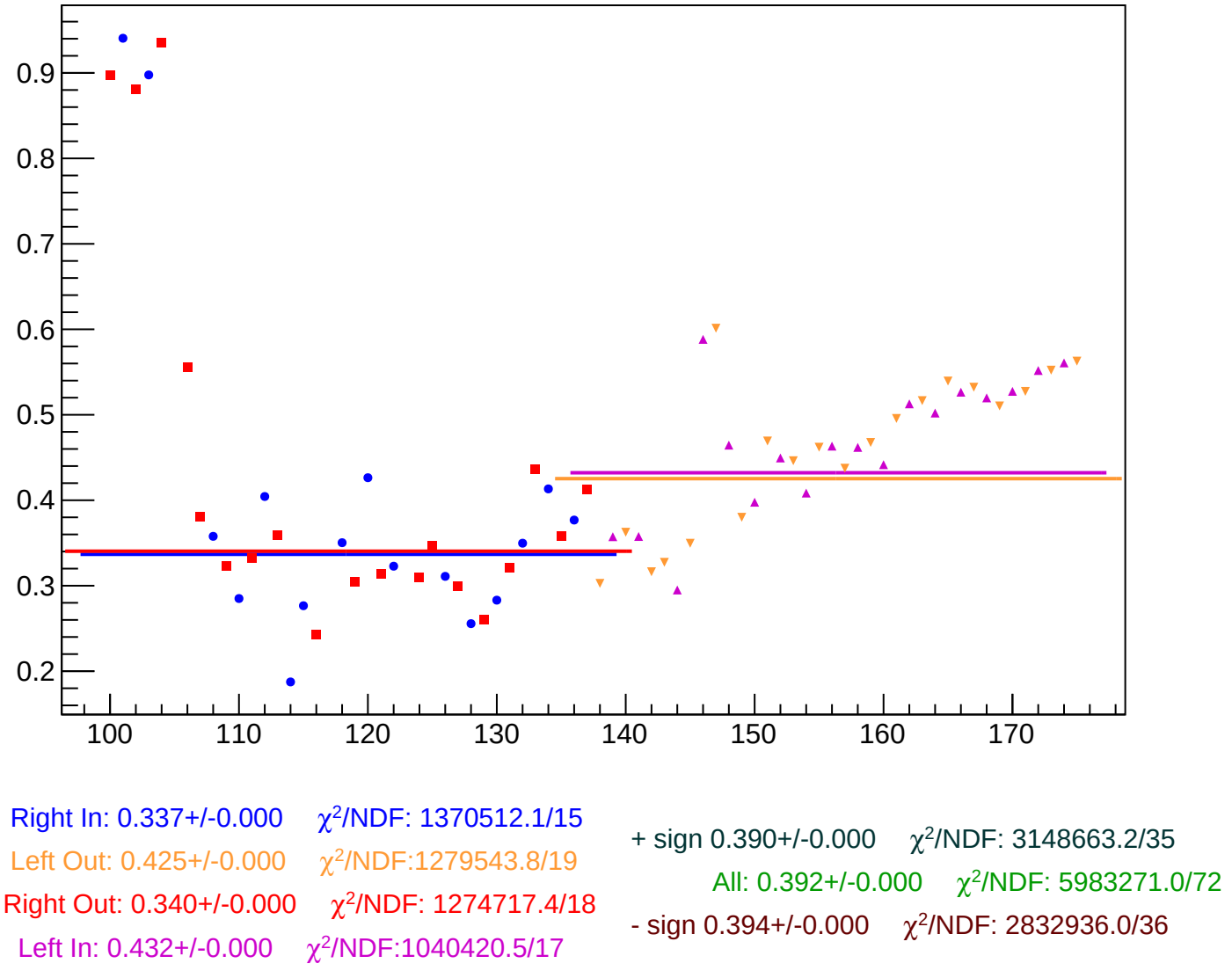
Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

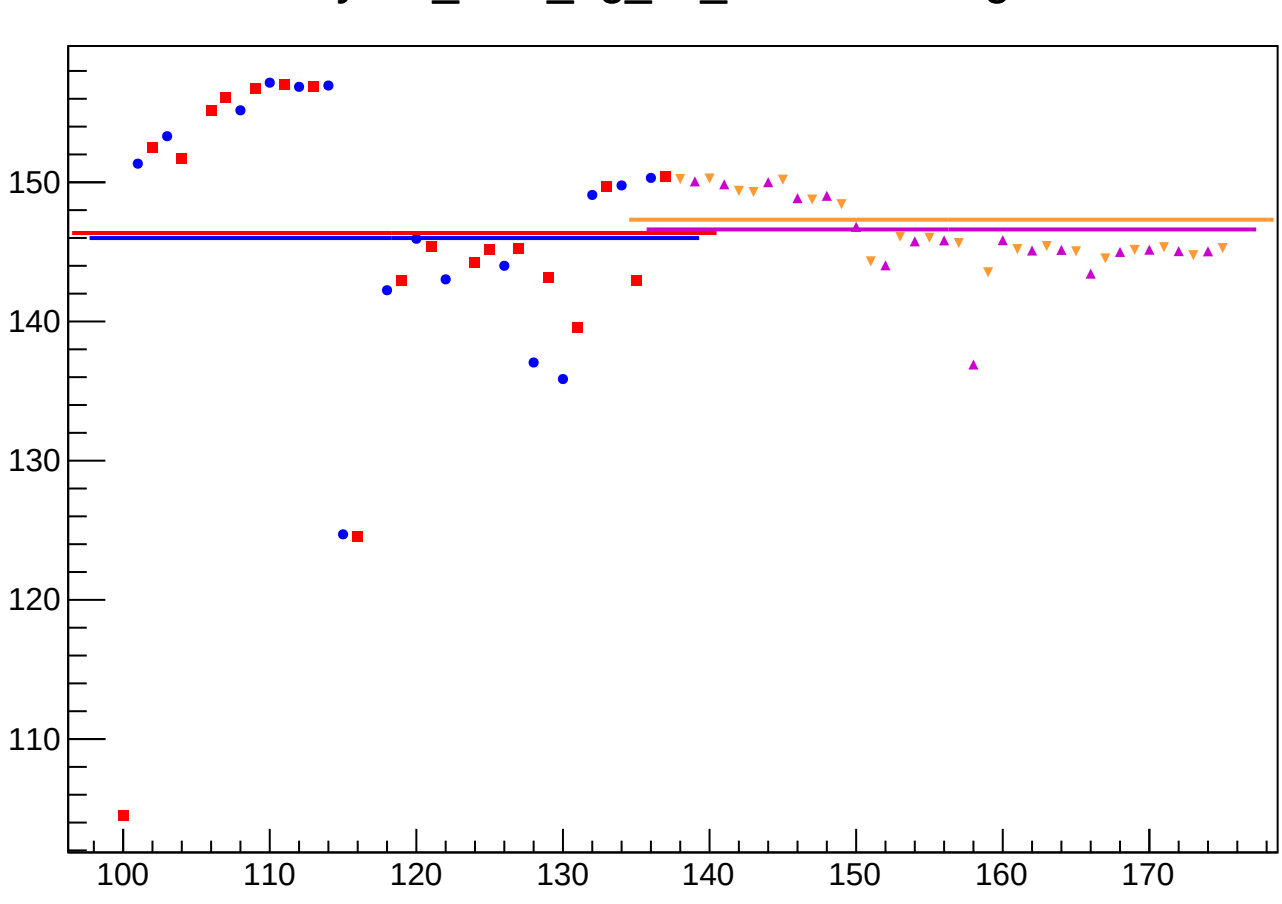
Left In: 147.521+/-0.000 χ^2/NDF:562311194.6/17

+ sign 147.135+/-0.000 χ^2/NDF: 3934584656.1/35

All: 146.996+/-0.000 χ^2/NDF: 8445480430.9

- sign 146.849+/-0.000 χ^2/NDF: 4505597694.6/36


yield_bcm_dg_us_rms vs Slug
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
100
110
120
130
140
150
160
170
Right In: 0.337+/-0.000 χ²/NDF: 1370512.1/15
Left Out: 0.425+/-0.000 χ²/NDF:1279543.8/19
Right Out: 0.340+/-0.000 χ²/NDF: 1274717.4/18
Left In: 0.432+/-0.000 χ²/NDF:1040420.5/17
+ sign 0.390+/-0.000 χ²/NDF: 3148663.2/35
All: 0.392+/-0.000 χ²/NDF: 5983271.0/72
- sign 0.394+/-0.000 χ²/NDF: 2832936.0/36



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.313+/-0.000 χ^2/NDF:450452111.8/19

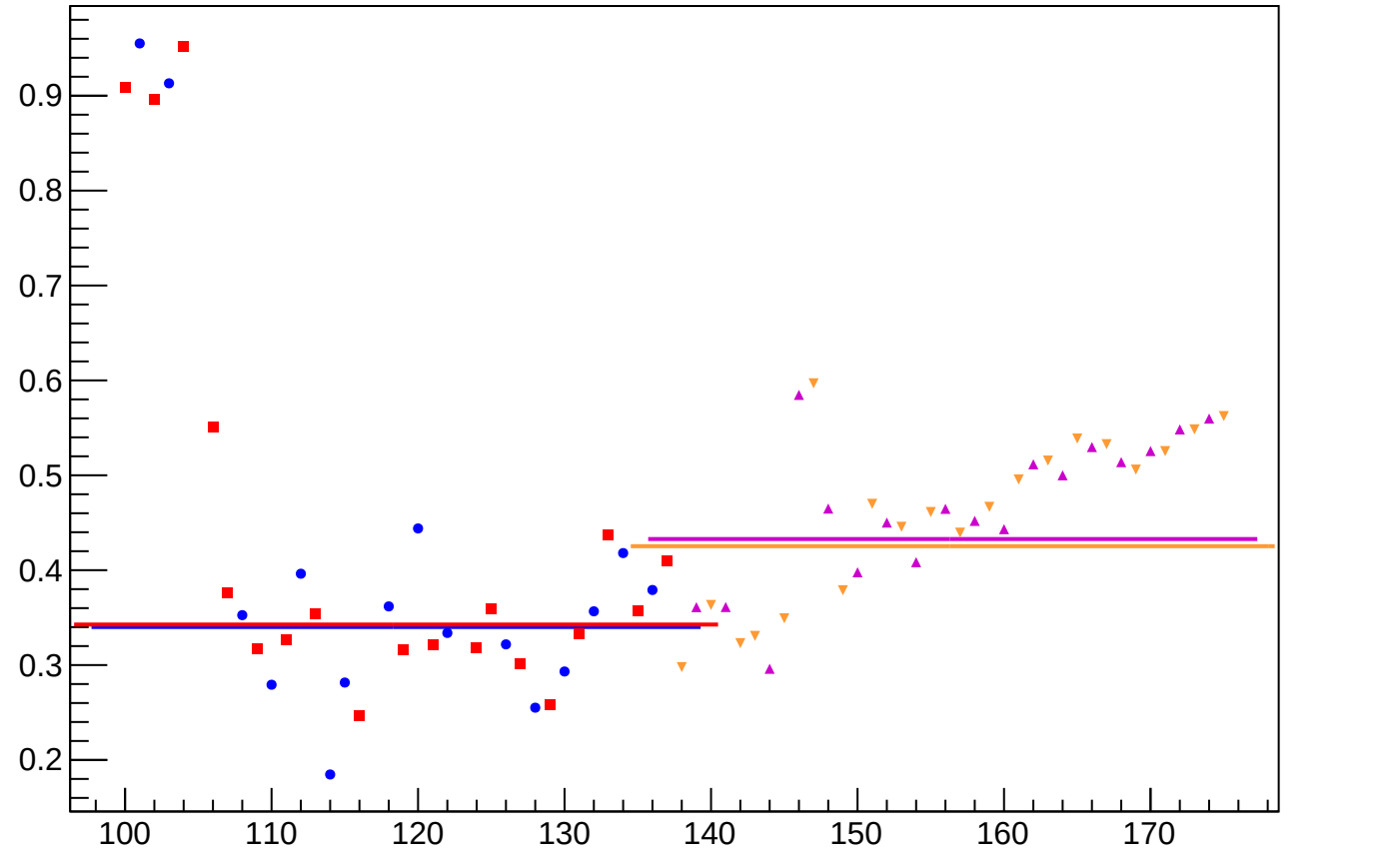
Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.612+/-0.000 χ^2/NDF:749813786.9/17

+ sign 146.800+/-0.000 χ^2/NDF: 4126697887.0/35

All: 146.658+/-0.000 χ^2/NDF: 8847107417.8

- sign 146.508+/-0.000 χ^2/NDF: 4714896058.3/36



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.425+/-0.000 χ^2/NDF:1262384.0/19

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

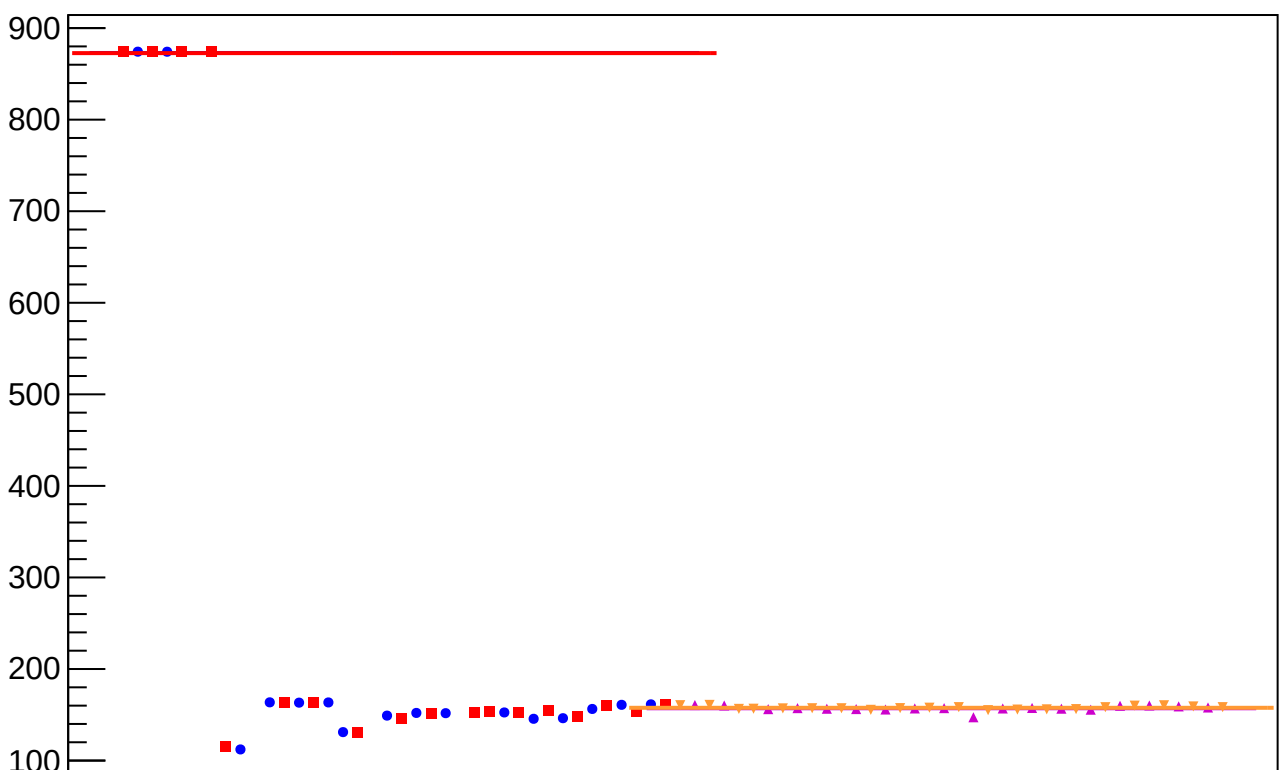
Left In: 0.433+/-0.000 χ^2/NDF:995007.0/17

+ sign 0.392+/-0.000 χ^2/NDF: 3109766.3/35

All: 0.394+/-0.000 χ^2/NDF: 5870806.8/72

- sign 0.396+/-0.000 χ^2/NDF: 2759516.8/36

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.635+/-0.000 χ^2/NDF:90687083.3/19

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

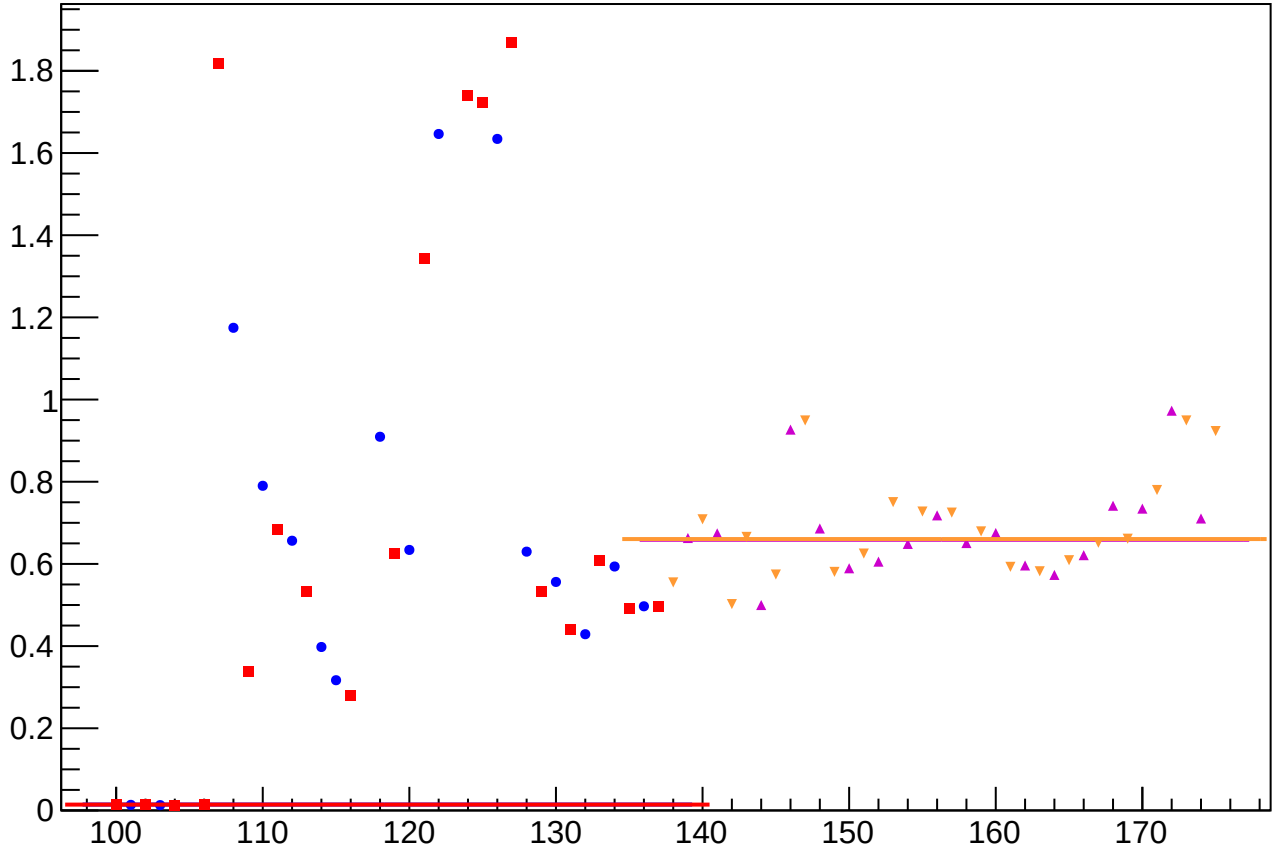
Left In: 157.127+/-0.000 χ^2/NDF:202257447.5/17

+ sign 870.114+/-0.000 χ^2/NDF: 20988822593644.

All: 870.287+/-0.000 χ^2/NDF: 43307727252

- sign 870.437+/-0.000 χ^2/NDF: 22318506014103.

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.660+/-0.000 χ^2/NDF:604940.6/19

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

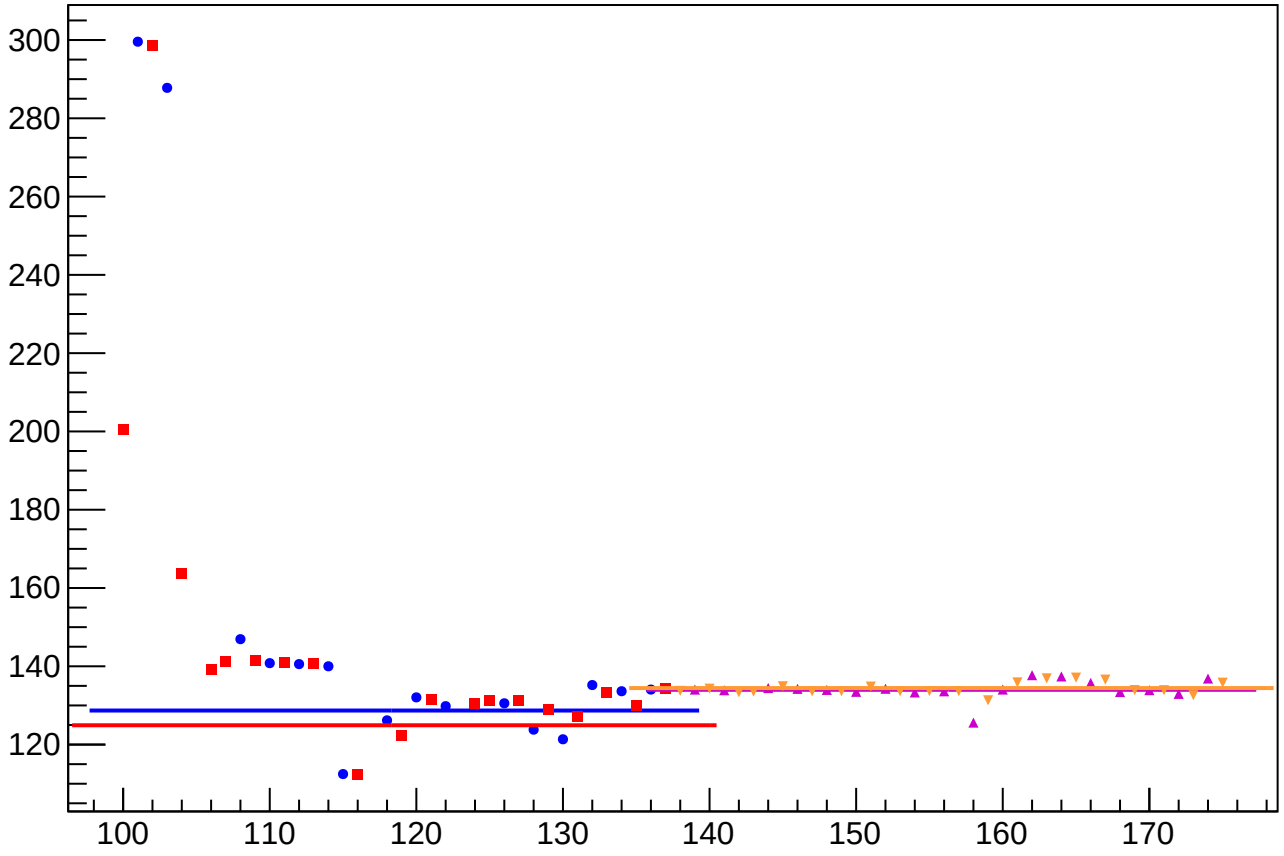
Left In: 0.659+/-0.000 χ^2/NDF:460406.6/17

+ sign 0.017+/-0.000 χ^2/NDF: 32748059.7/35

All: 0.017+/-0.000 χ^2/NDF: 63957360.0/72

- sign 0.016+/-0.000 χ^2/NDF: 31206807.4/36

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.437+/-0.000 χ^2/NDF:123899638.4/19

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

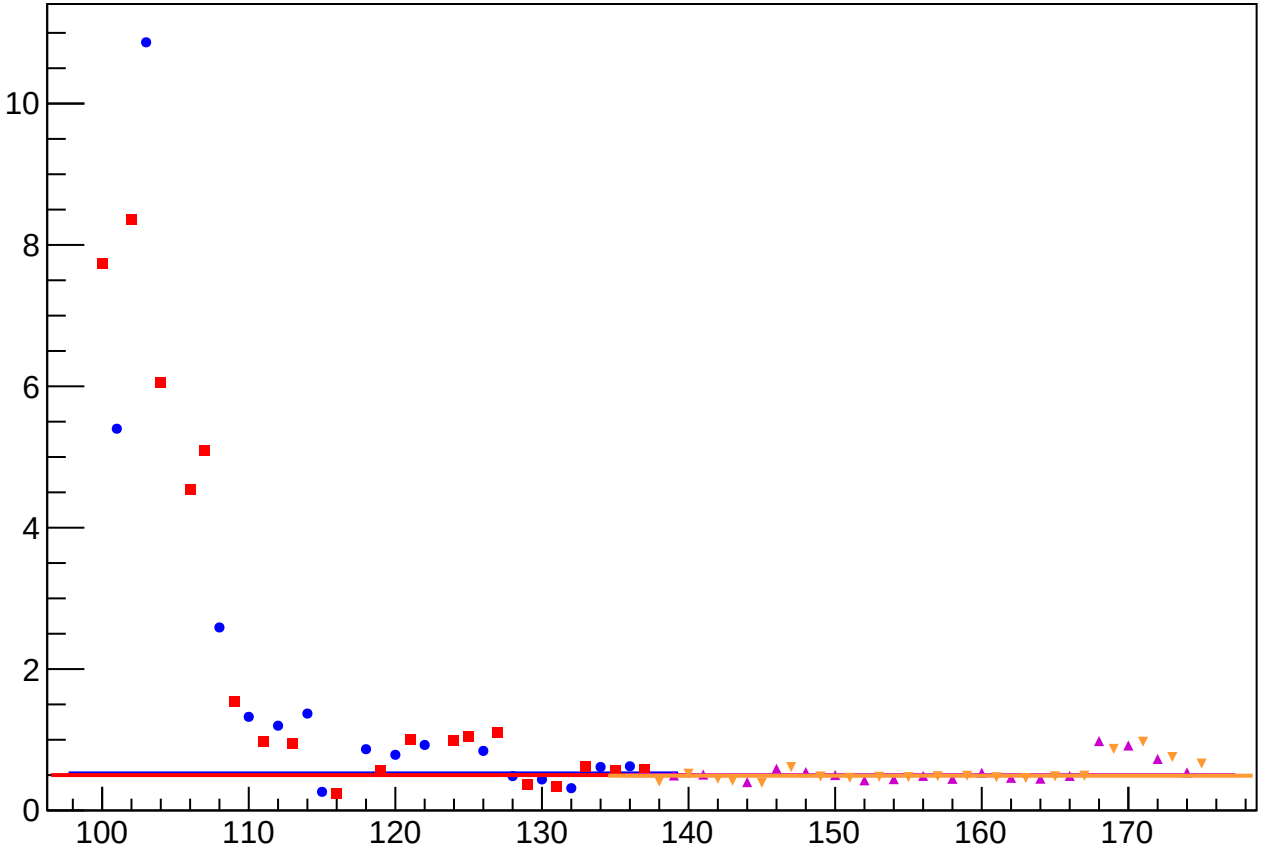
Left In: 133.995+/-0.000 χ^2/NDF:392667145.5/17

+ sign 133.328+/-0.000 χ^2/NDF: 2134811334.9/35

All: 132.703+/-0.000 χ^2/NDF: 4883965140.4

- sign 132.038+/-0.000 χ^2/NDF: 2693491150.8/36

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.492+/-0.000 χ^2/NDF:1145737.9/19

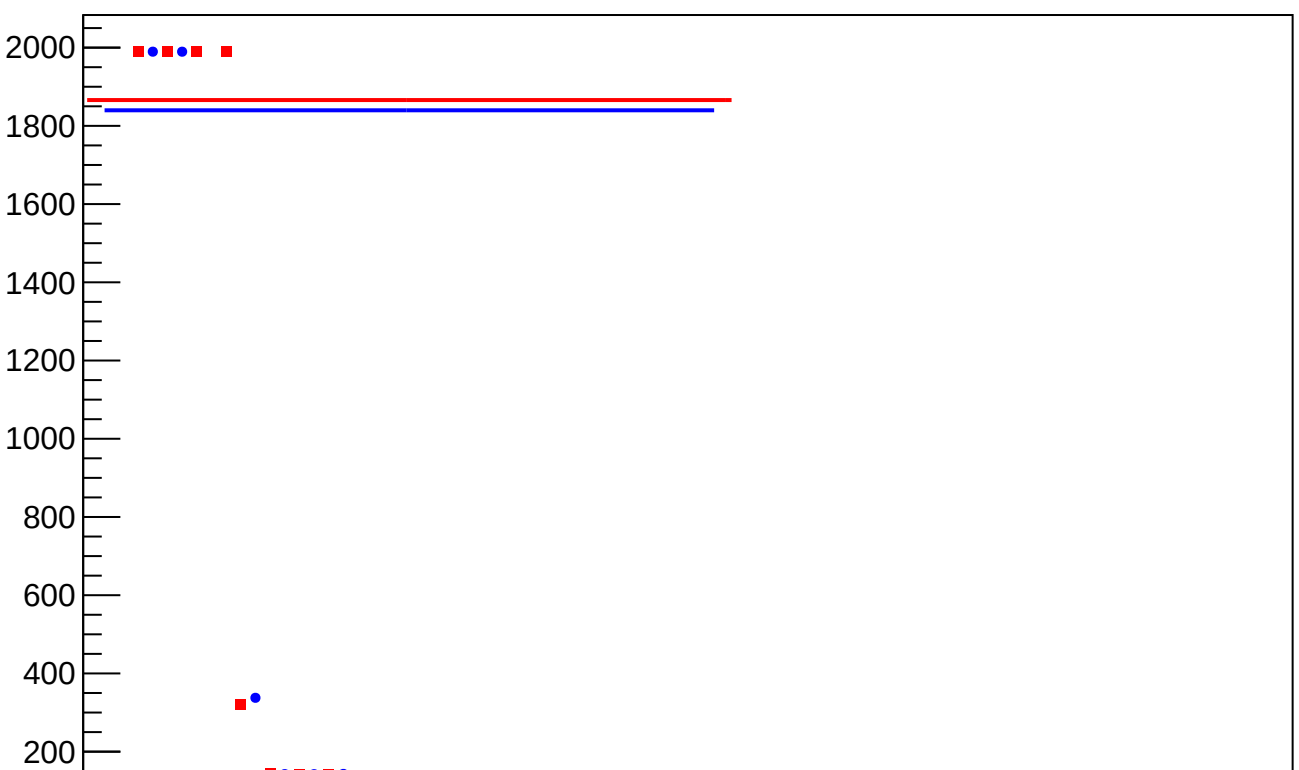
Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.499+/-0.000 χ^2/NDF:1085314.2/17

+ sign 0.498+/-0.000 χ^2/NDF: 5306630.8/35

All: 0.499+/-0.000 χ^2/NDF: 11276297.1/72

- sign 0.500+/-0.000 χ^2/NDF: 5969477.3/36



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.535+/-0.000 χ^2/NDF:61964985.1/19

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

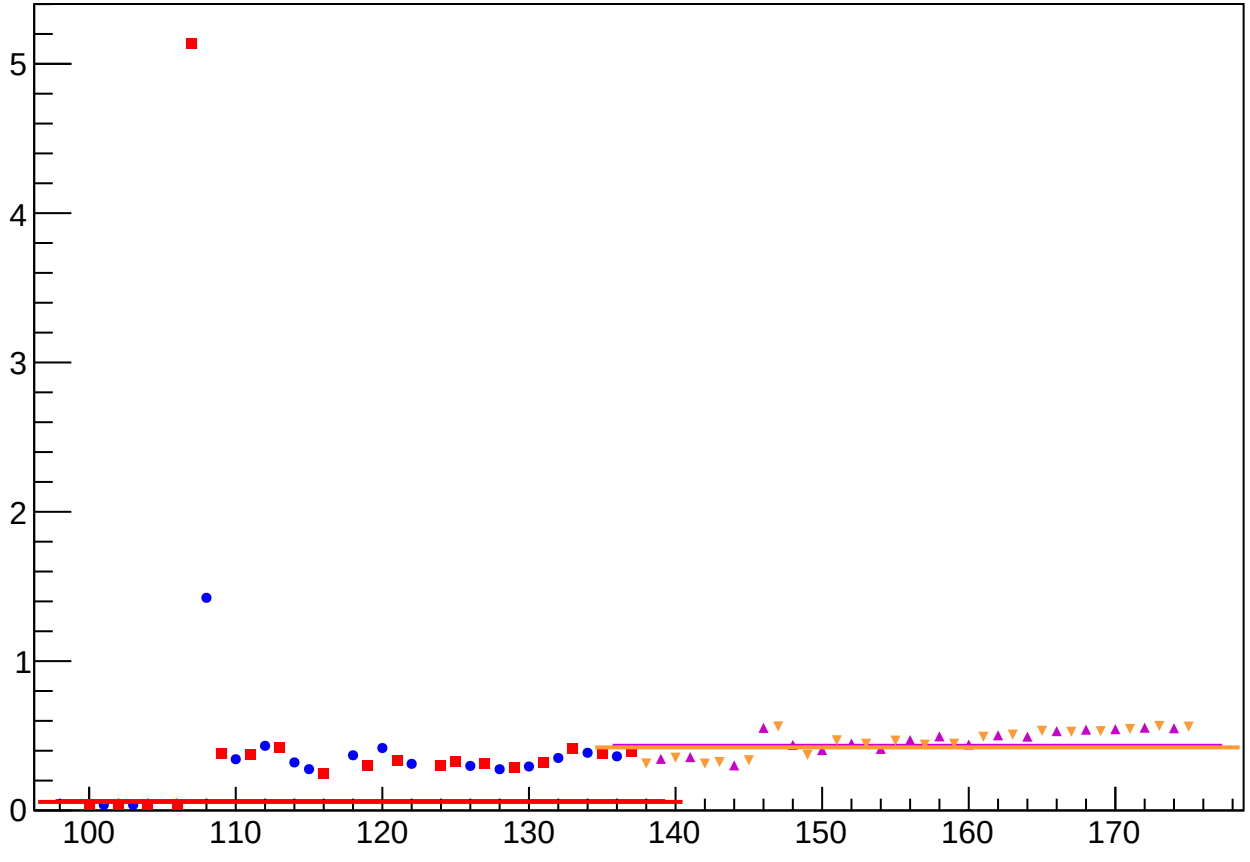
Left In: 137.320+/-0.000 χ^2/NDF:237321435.5/17

+ sign 1624.794+/-0.000 χ^2/NDF: 35463402073851

All: 1661.077+/-0.000 χ^2/NDF: 6980361227

- sign 1693.085+/-0.000 χ^2/NDF: 34178469697986

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.422+/-0.000 χ^2/NDF:1296349.2/19

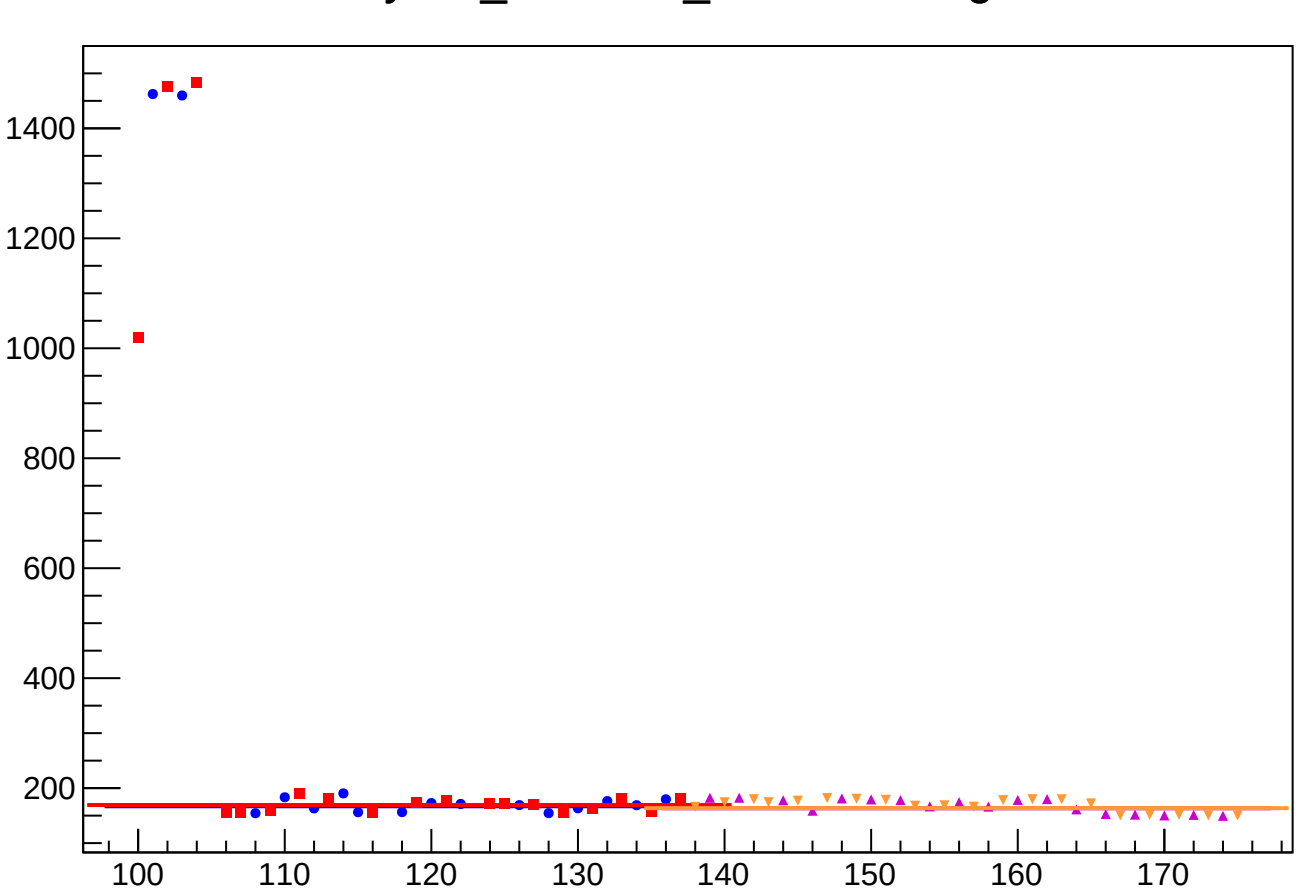
Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.433+/-0.000 χ^2/NDF:1018303.8/17

+ sign 0.107+/-0.000 χ^2/NDF: 28194324.2/35

All: 0.101+/-0.000 χ^2/NDF: 55863896.7/72

- sign 0.095+/-0.000 χ^2/NDF: 27562179.2/36



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 163.584+/-0.000 χ^2/NDF:2900746157.2/19

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

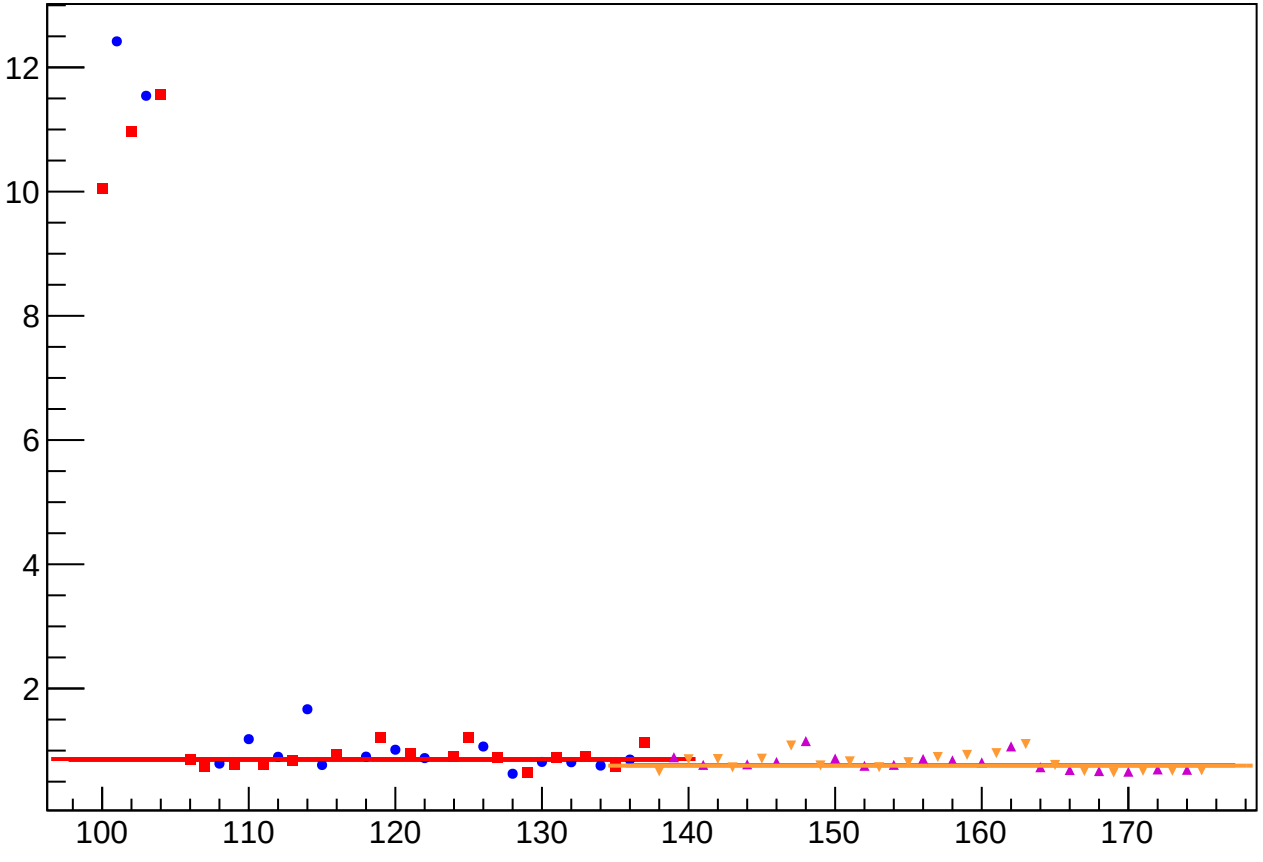
Left In: 163.311+/-0.000 χ^2/NDF:2883053616.0/17

+ sign 164.323+/-0.000 χ^2/NDF: 17564687827.0/35

All: 164.508+/-0.000 χ^2/NDF: 36914532380.

- sign 164.704+/-0.000 χ^2/NDF: 19348113177.8/36

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.758+/-0.000 χ^2/NDF:522858.4/19

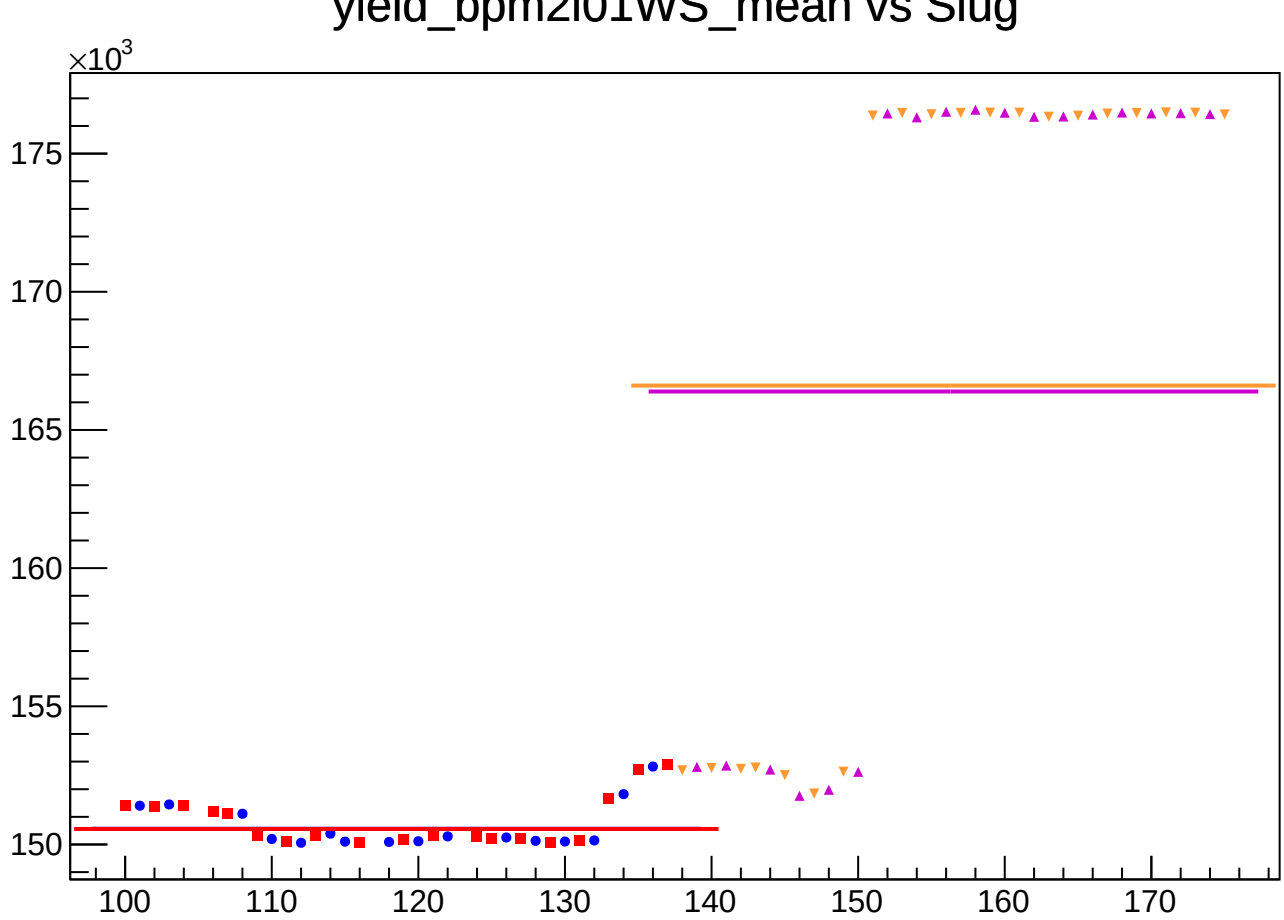
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.764+/-0.000 χ^2/NDF:406653.2/17

+ sign 0.778+/-0.000 χ^2/NDF: 2900822.7/35

All: 0.783+/-0.000 χ^2/NDF: 5603246.4/72

- sign 0.787+/-0.000 χ^2/NDF: 2700435.3/36



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166605.323+/-0.049 χ^2/NDF:57052671340.7719

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

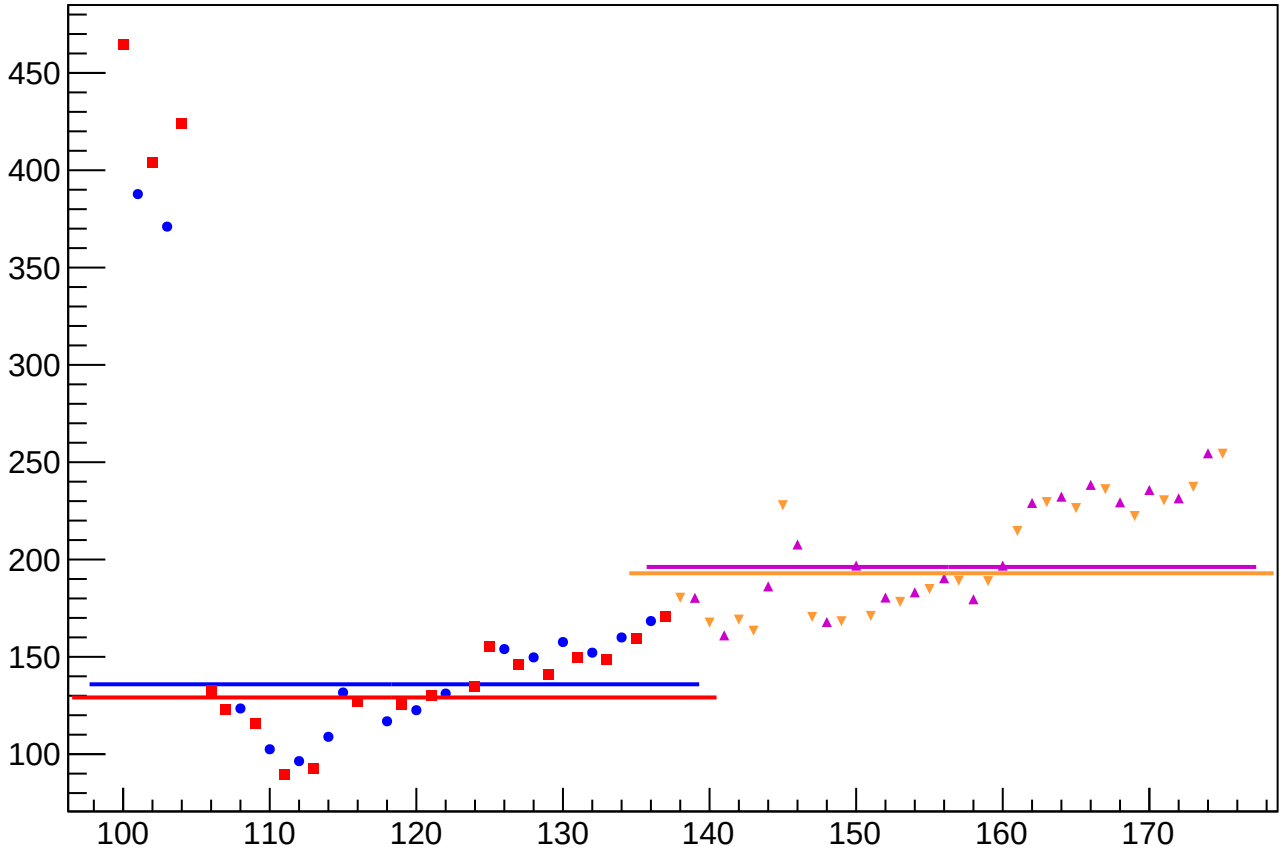
Left In: 166390.594+/-0.052 χ^2/NDF:52514370933.6/17

+ sign 159417.297+/-0.037 χ^2/NDF: 10487132901

All: 158893.635+/-0.026 χ^2/NDF: 20559370

- sign 158378.239+/-0.036 χ^2/NDF: 100315331396

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 192.936+/-0.035 χ^2/NDF:621758.8/19

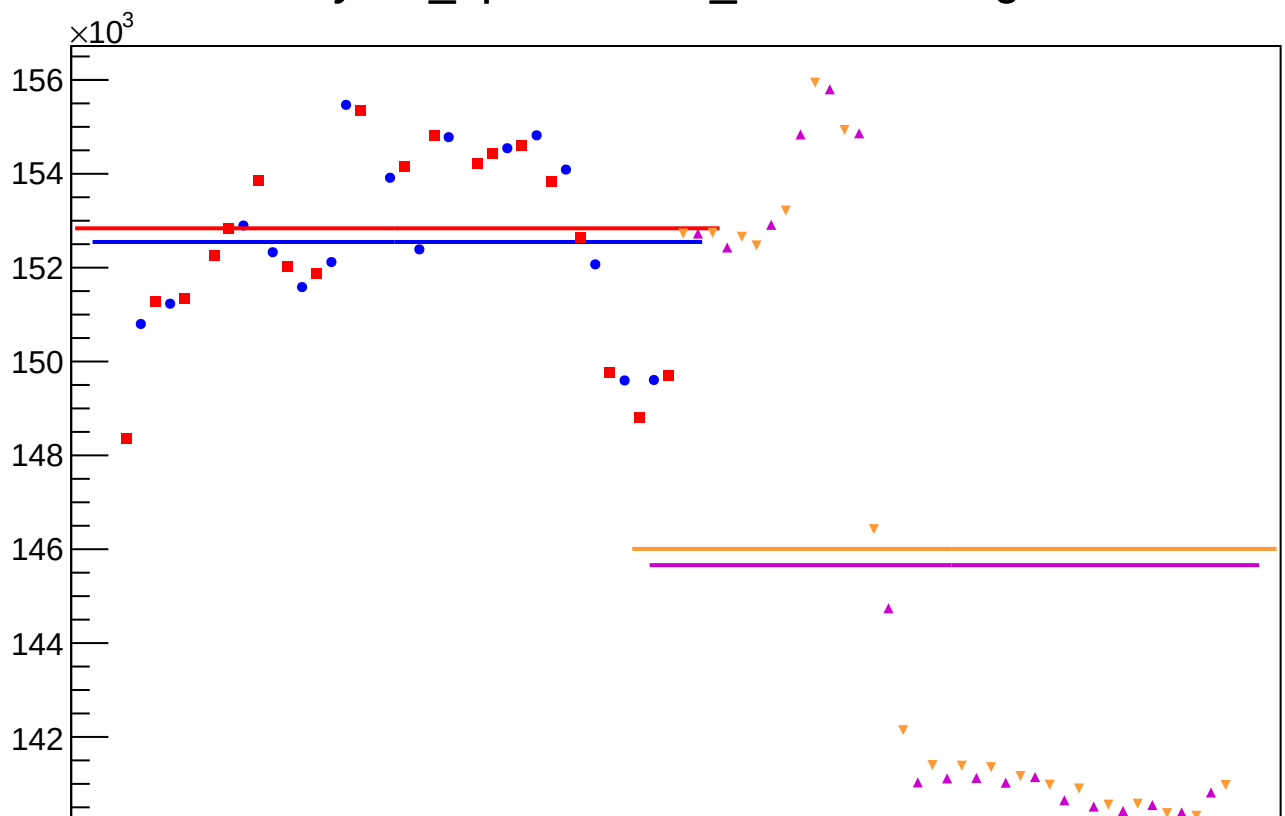
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 196.186+/-0.036 χ^2/NDF:497568.0/17

+ sign 167.369+/-0.026 χ^2/NDF: 3241996.7/35

All: 164.786+/-0.018 χ^2/NDF: 7082239.1/72

- sign 162.243+/-0.026 χ^2/NDF: 3820430.7/36



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146006.967+/-0.053 χ^2/NDF:12235109334.3/19

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

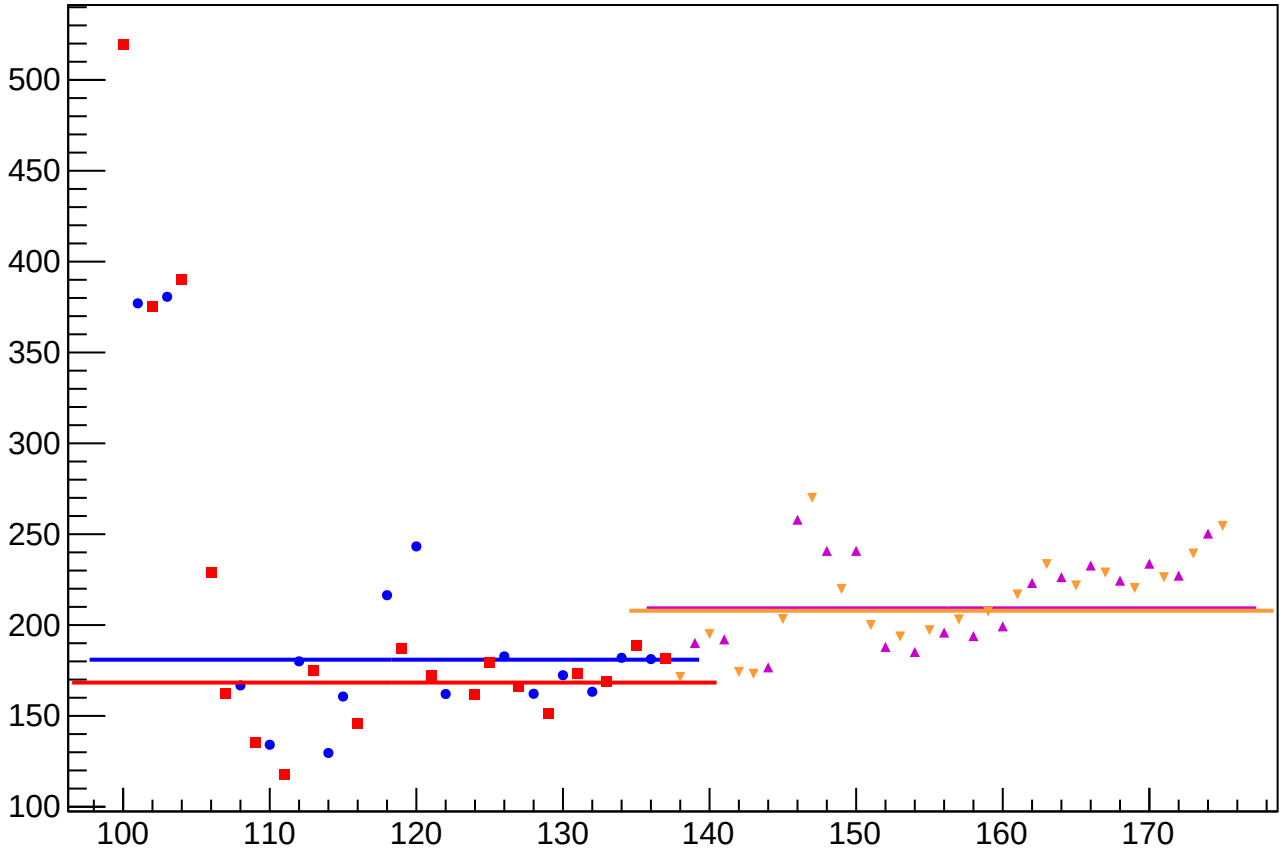
Left In: 145661.019+/-0.055 χ^2/NDF:11970445053.5/17

+ sign 148279.886+/-0.043 χ^2/NDF: 18181909705.

All: 148426.759+/-0.030 χ^2/NDF: 37803870

- sign 148571.165+/-0.042 χ^2/NDF: 19598616250.

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 207.881+/-0.037 χ^2/NDF:420543.8/19

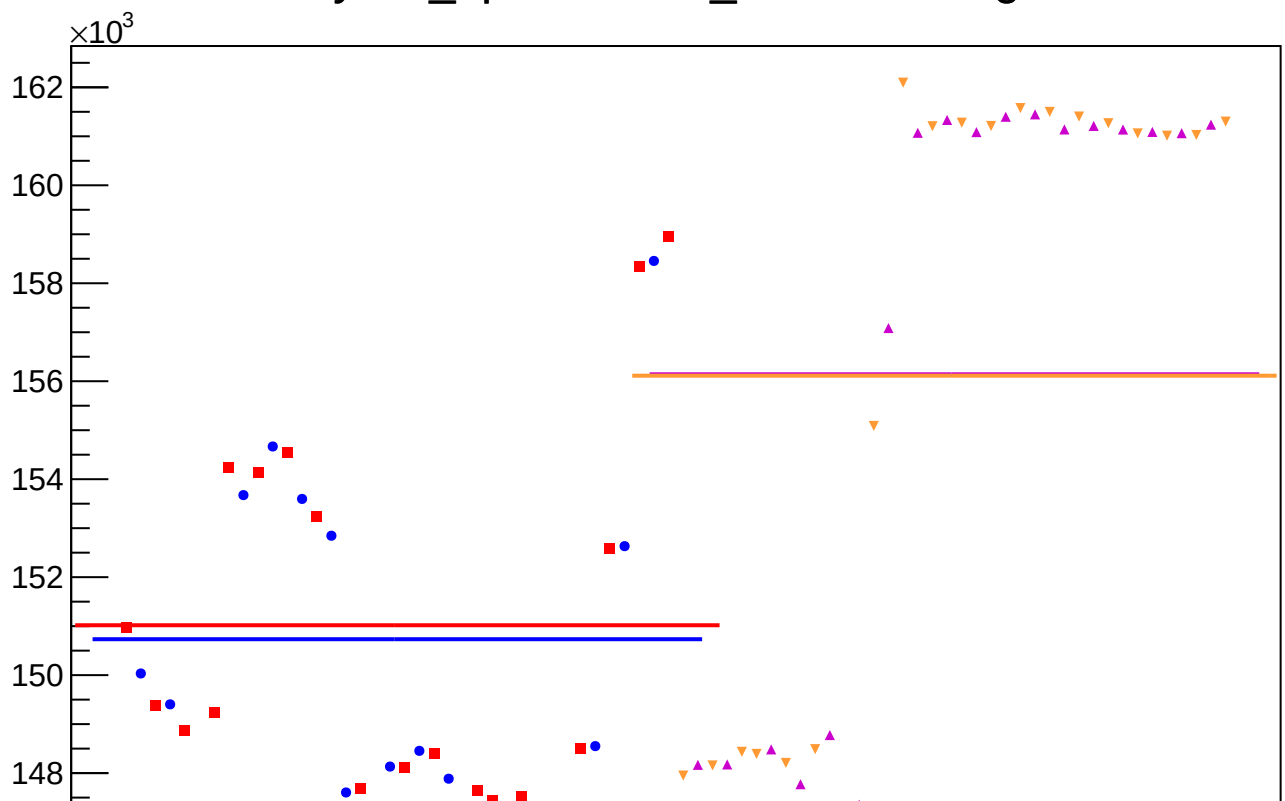
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 209.199+/-0.039 χ^2/NDF:390085.9/17

+ sign 198.517+/-0.030 χ^2/NDF: 1507945.1/35

All: 195.551+/-0.021 χ^2/NDF: 3452678.3/72

- sign 192.635+/-0.030 χ^2/NDF: 1925688.9/36



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 156112.957+/-0.051 χ^2/NDF:14878058828.8/19

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

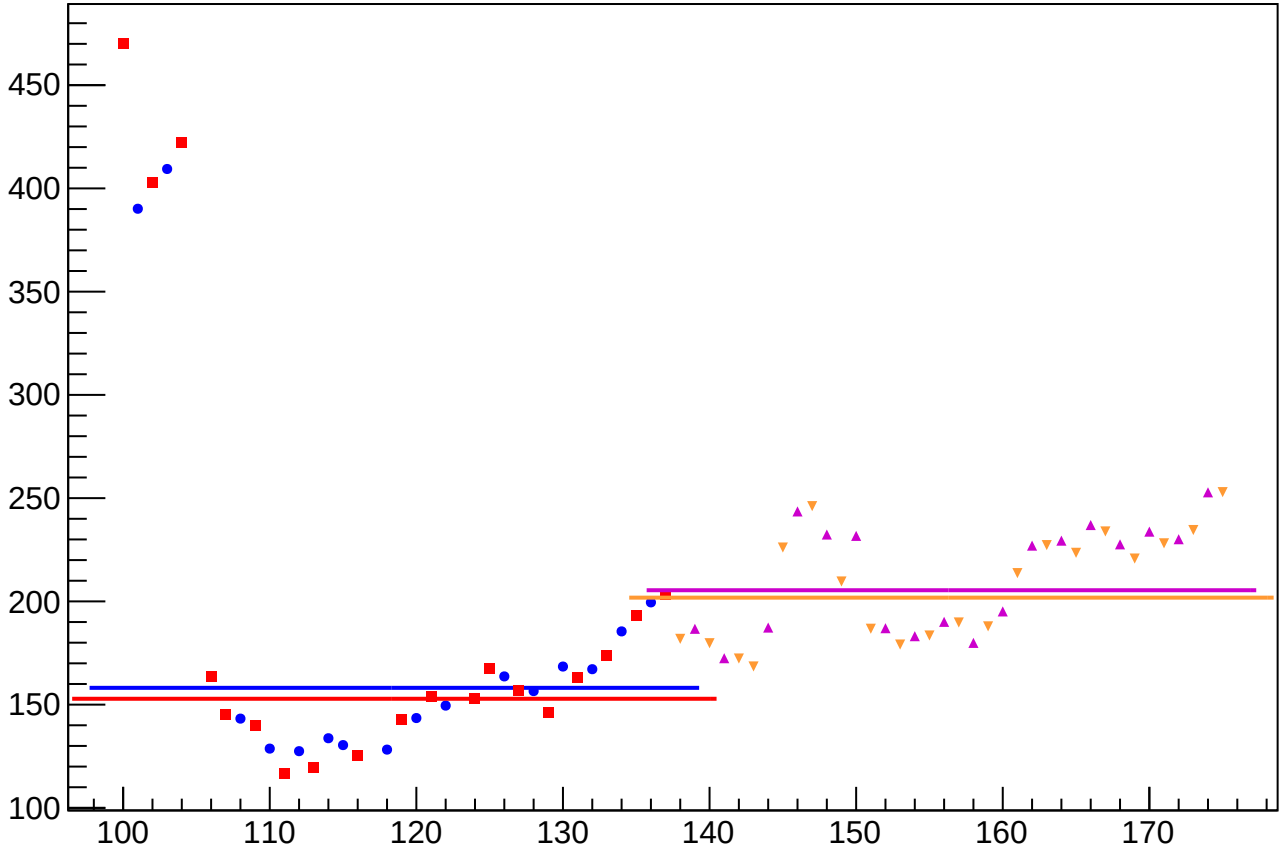
Left In: 156141.529+/-0.054 χ^2/NDF:12993741629.5/17

+ sign 153960.123+/-0.040 χ^2/NDF: 22549703006.

All: 153906.290+/-0.028 χ^2/NDF: 42857294

- sign 153851.470+/-0.040 χ^2/NDF: 20303897486.5

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 201.814+/-0.036 χ^2/NDF:472996.3/19

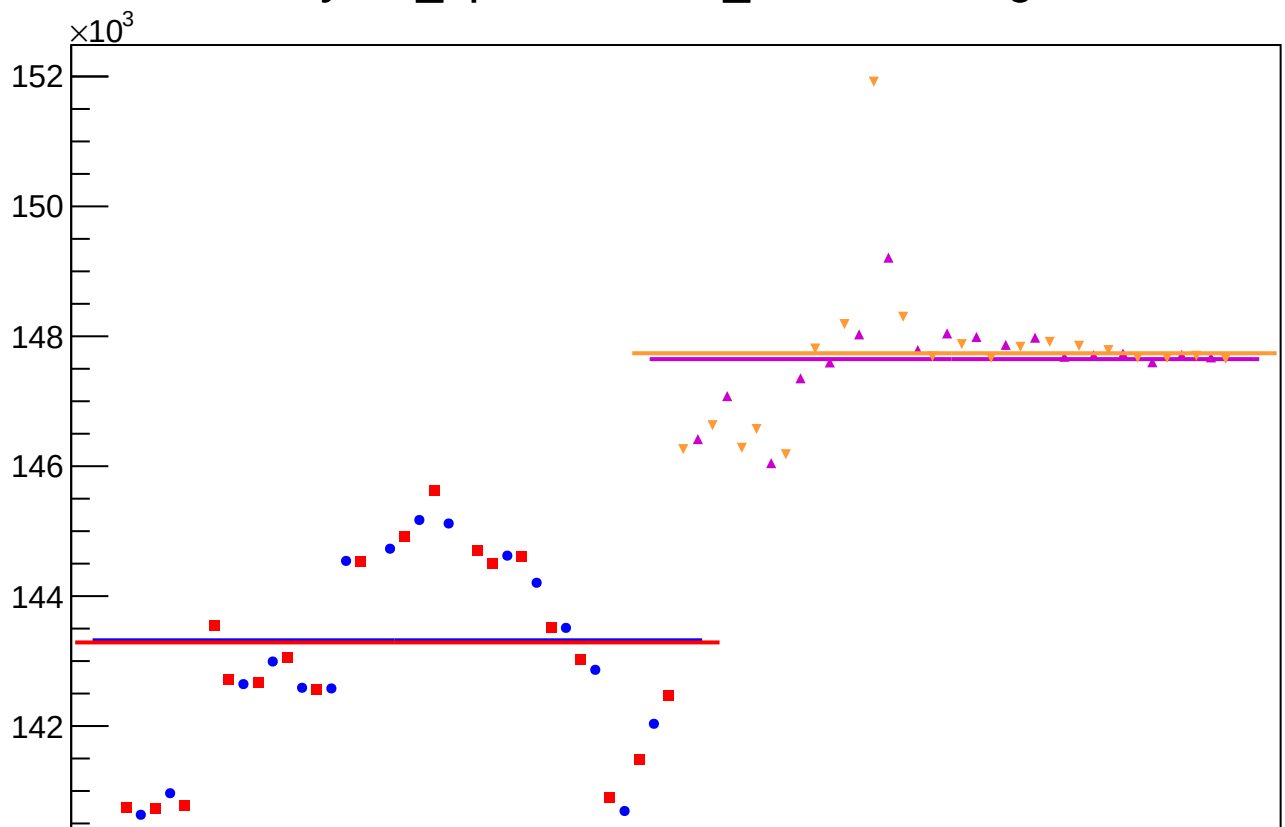
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 205.405+/-0.038 χ^2/NDF:443312.1/17

+ sign 184.336+/-0.028 χ^2/NDF: 2247138.2/35

All: 183.133+/-0.020 χ^2/NDF: 4805634.7/72

- sign 181.908+/-0.028 χ^2/NDF: 2554809.0/36



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147739.024+/-0.048 χ^2/NDF:670877894.3/19

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

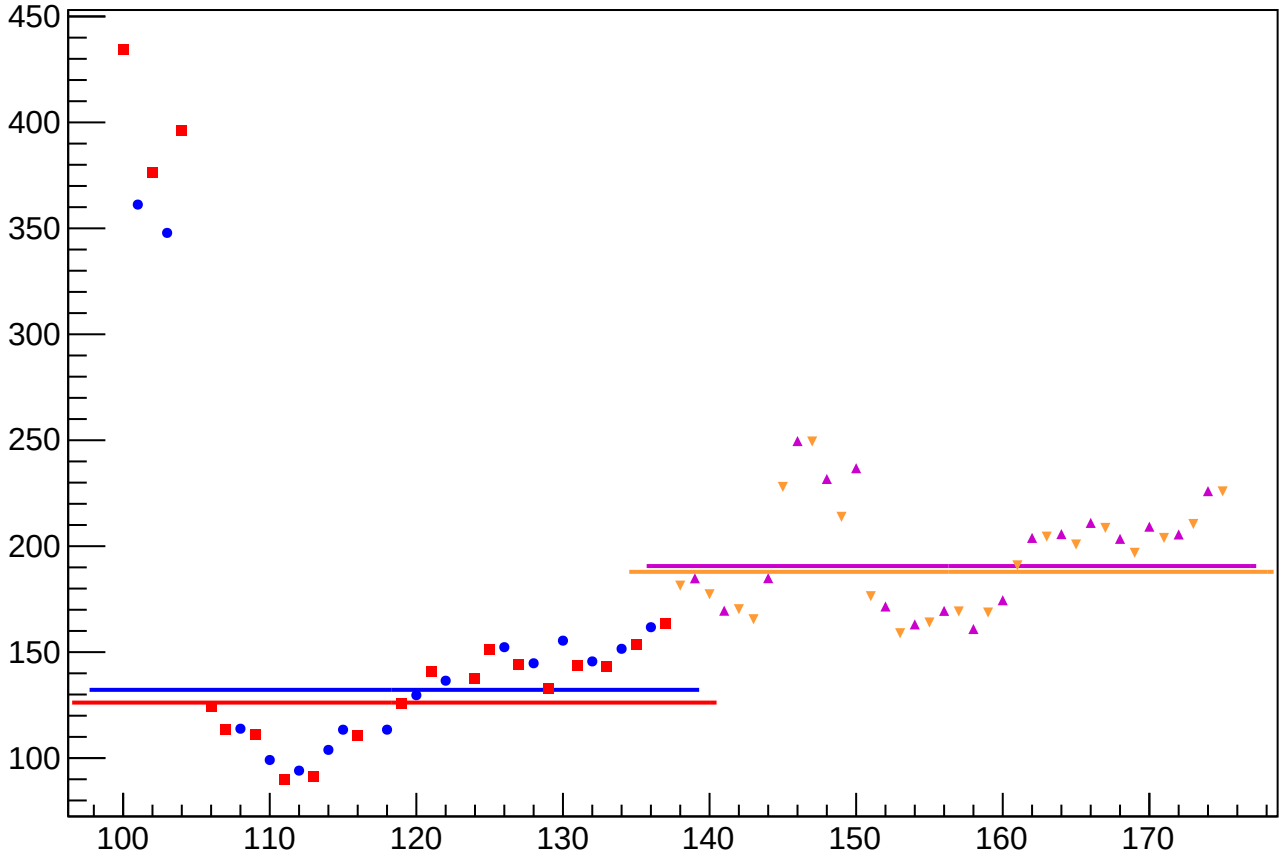
Left In: 147648.798+/-0.050 χ^2/NDF:199577342.3/17

+ sign 145759.357+/-0.036 χ^2/NDF: 5050606526.8

All: 145601.800+/-0.025 χ^2/NDF: 97217902

- sign 145446.312+/-0.035 χ^2/NDF: 4632169109.0/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 187.897+/-0.034 χ^2/NDF:467551.4/19

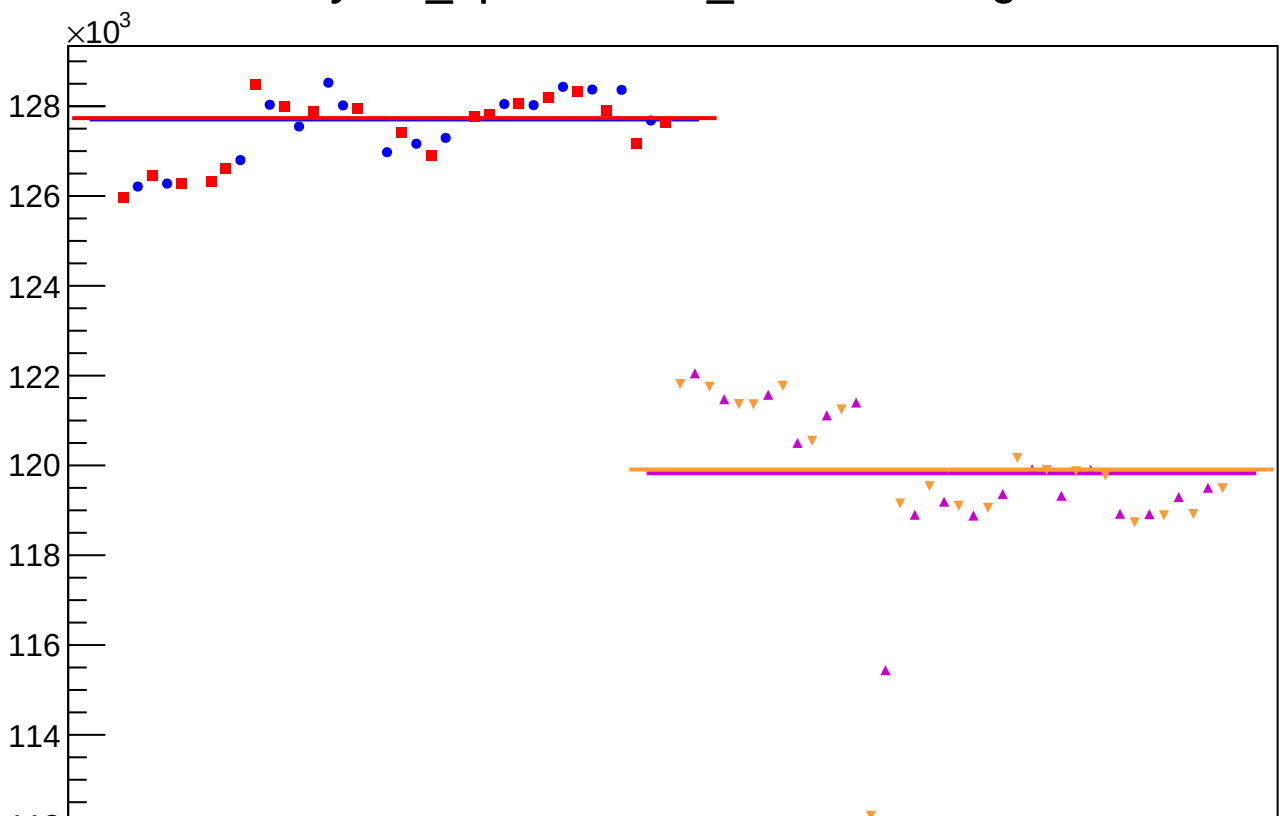
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 190.629+/-0.035 χ^2/NDF:508770.9/17

+ sign 162.949+/-0.025 χ^2/NDF: 3060151.6/35

All: 160.504+/-0.018 χ^2/NDF: 6796683.1/72

- sign 158.092+/-0.025 χ^2/NDF: 3717743.5/36



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119908.886+/-0.048 χ^2/NDF:1823078109.1/19

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

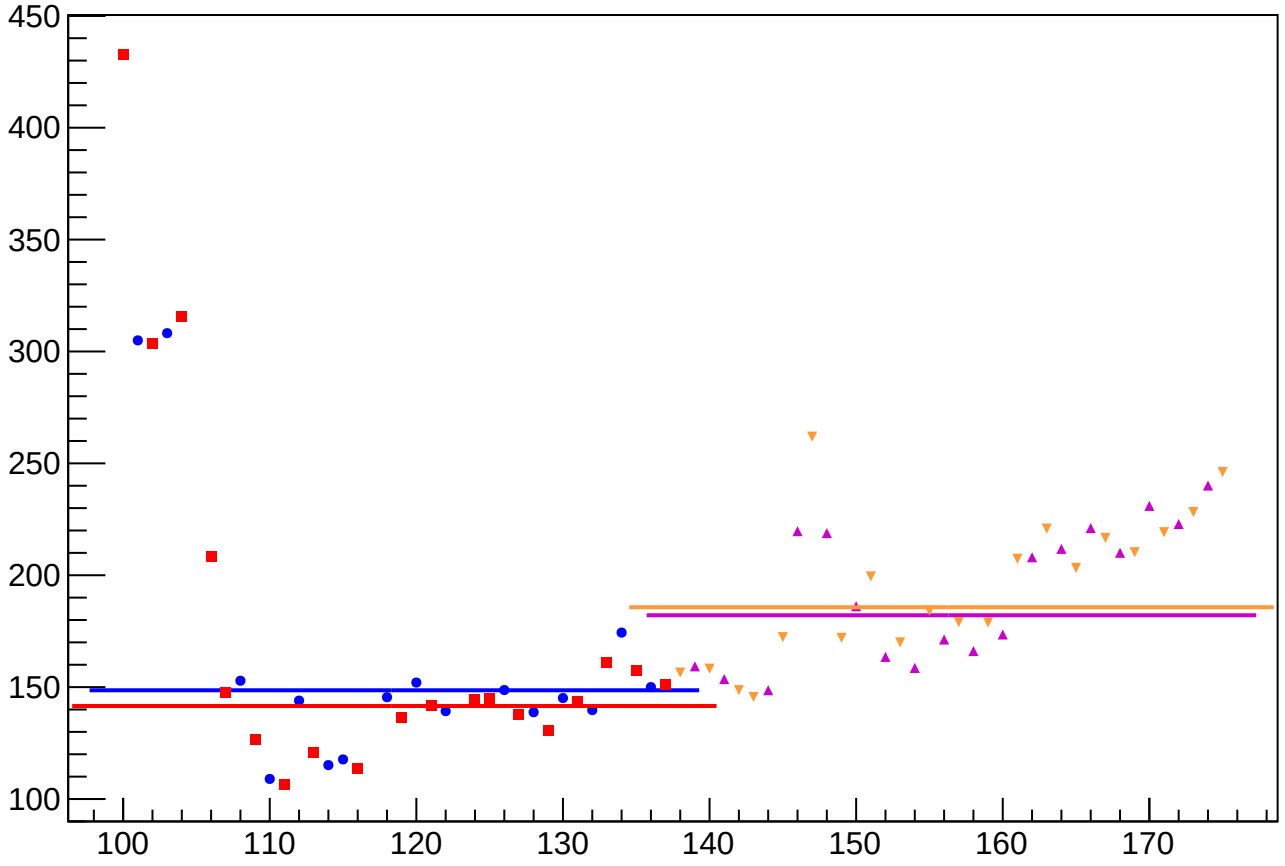
Left In: 119826.034+/-0.048 χ^2/NDF:1189374311.6/17

+ sign 123037.331+/-0.037 χ^2/NDF: 1592148614.

All: 123160.602+/-0.026 χ^2/NDF: 25597660

- sign 123279.130+/-0.036 χ^2/NDF: 12983849965.2

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 185.706+/-0.034 χ^2/NDF:769541.0/19

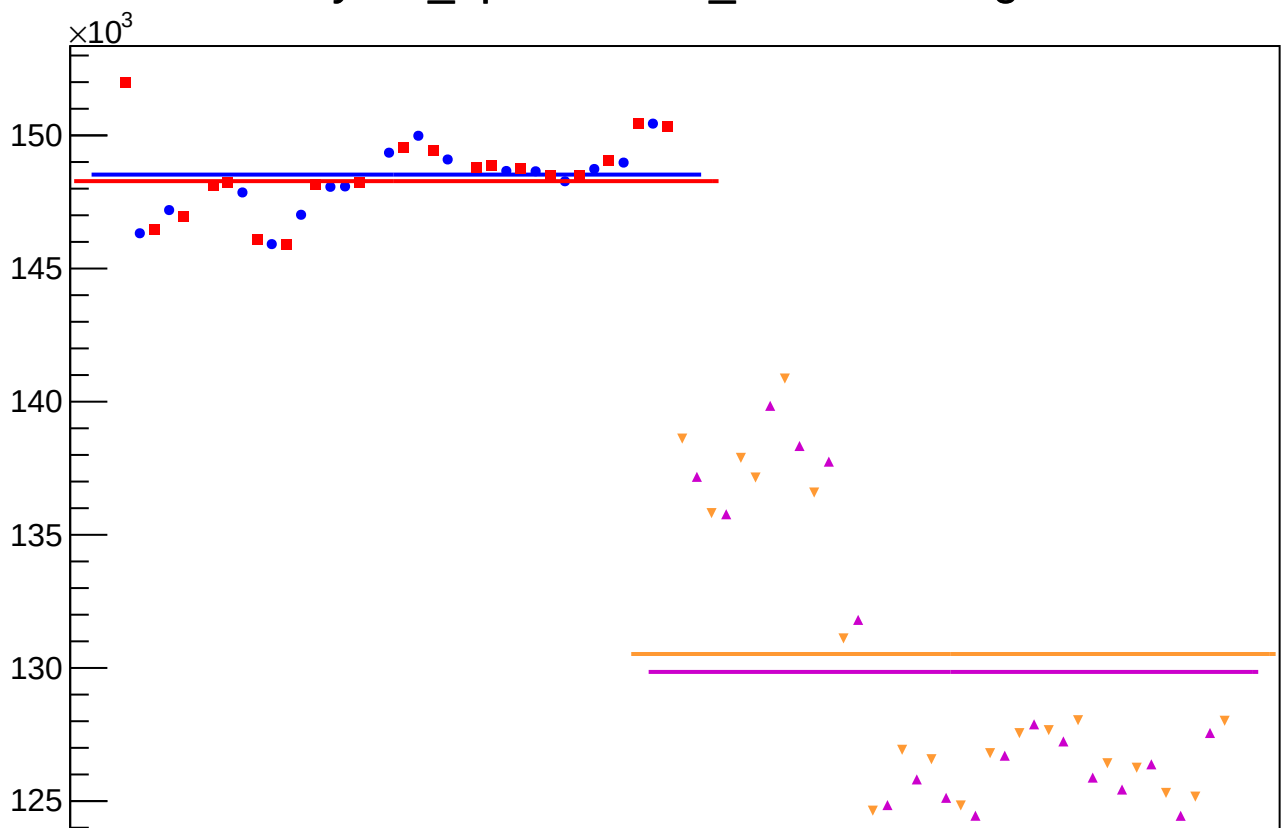
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 182.118+/-0.034 χ^2/NDF:703098.1/17

+ sign 170.813+/-0.026 χ^2/NDF: 2080566.7/35

All: 167.549+/-0.018 χ^2/NDF: 4429964.0/72

- sign 164.410+/-0.026 χ^2/NDF: 2318868.6/36



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 130524.393+/-0.069 χ^2/NDF:6016637118.0/19

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

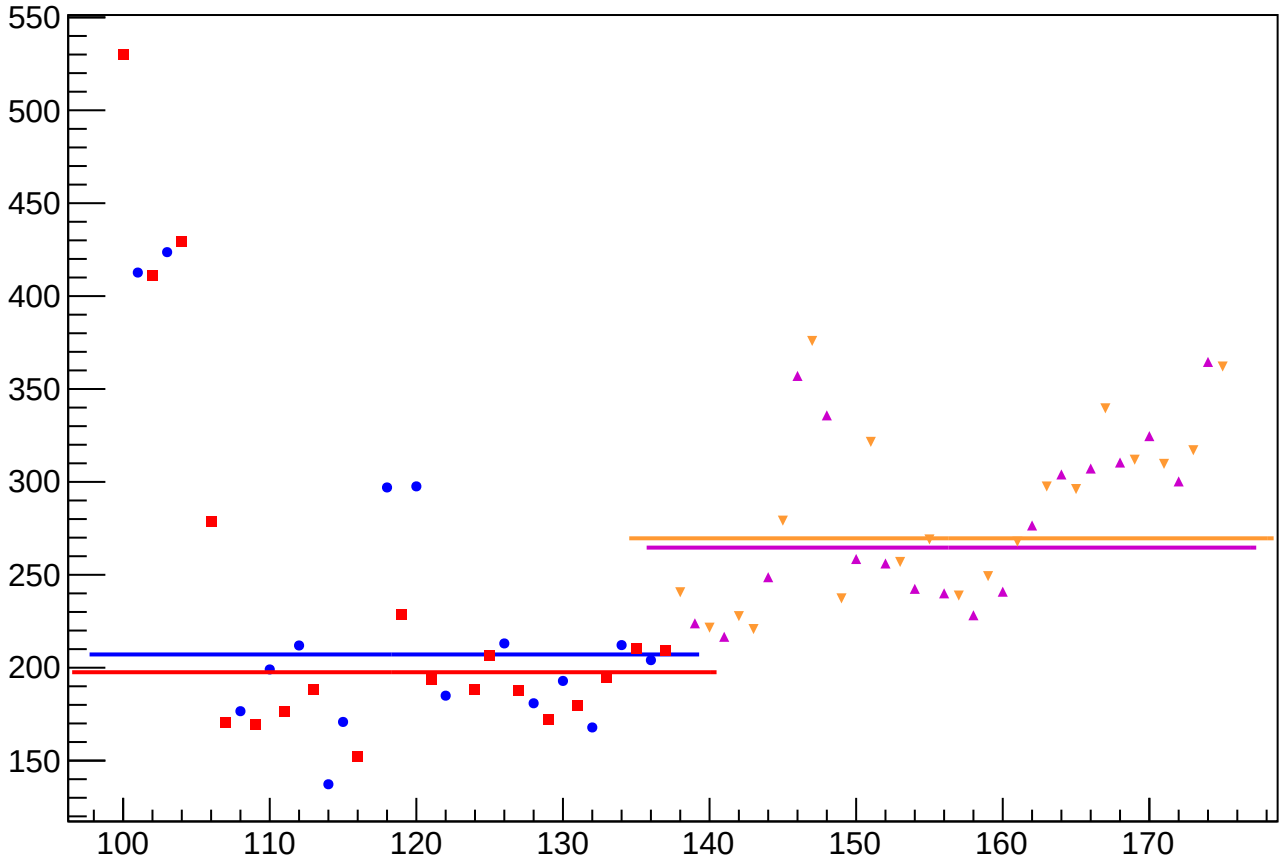
Left In: 129851.157+/-0.070 χ^2/NDF:6209582641.2/17

+ sign 138007.815+/-0.053 χ^2/NDF: 34433556925.

All: 138124.009+/-0.037 χ^2/NDF: 725015412

- sign 138235.148+/-0.052 χ^2/NDF: 38058519629.7

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 269.641+/-0.049 χ^2/NDF:746671.3/19

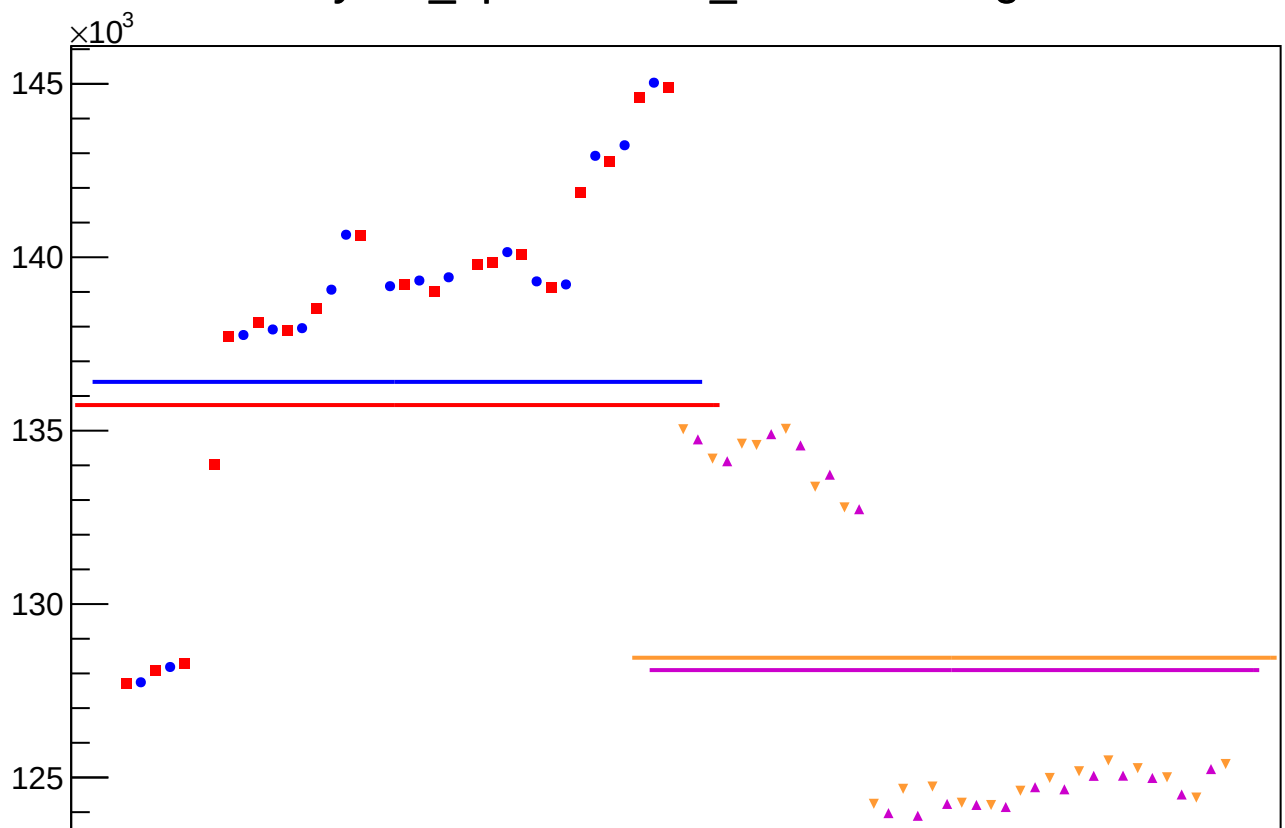
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 264.633+/-0.049 χ^2/NDF:719786.3/17

+ sign 243.659+/-0.037 χ^2/NDF: 2398938.5/35

All: 238.787+/-0.026 χ^2/NDF: 4891516.5/72

- sign 234.127+/-0.037 χ^2/NDF: 2459299.4/36



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 128452.780+/-0.150 χ^2/NDF:970592847.6/19

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

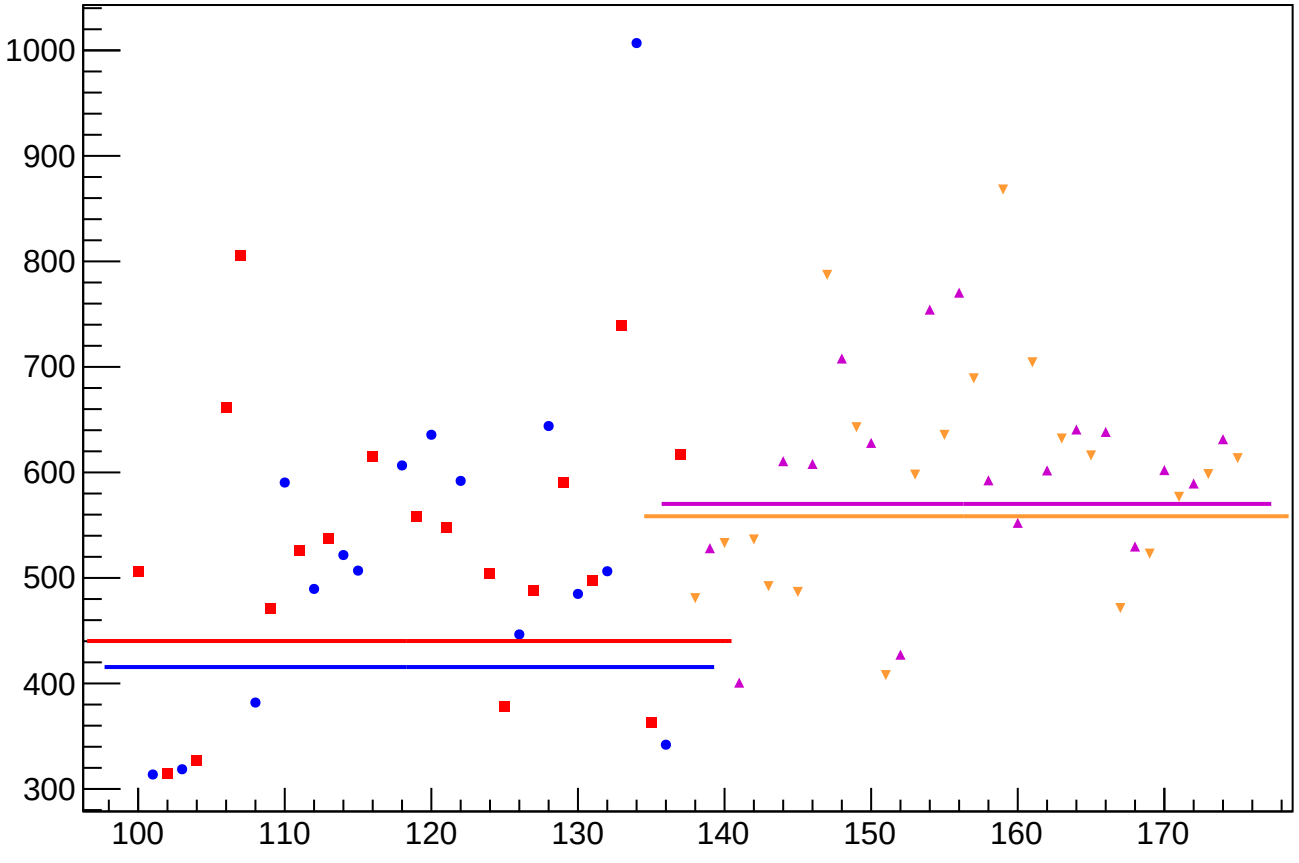
Left In: 128096.170+/-0.160 χ^2/NDF:860471879.8/17

+ sign 131973.095+/-0.112 χ^2/NDF: 3788690387.6

All: 131771.452+/-0.082 χ^2/NDF: 68567235

- sign 131545.580+/-0.119 χ^2/NDF: 3061179023.3/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 558.469+/-0.106 χ^2/NDF:877419.2/19

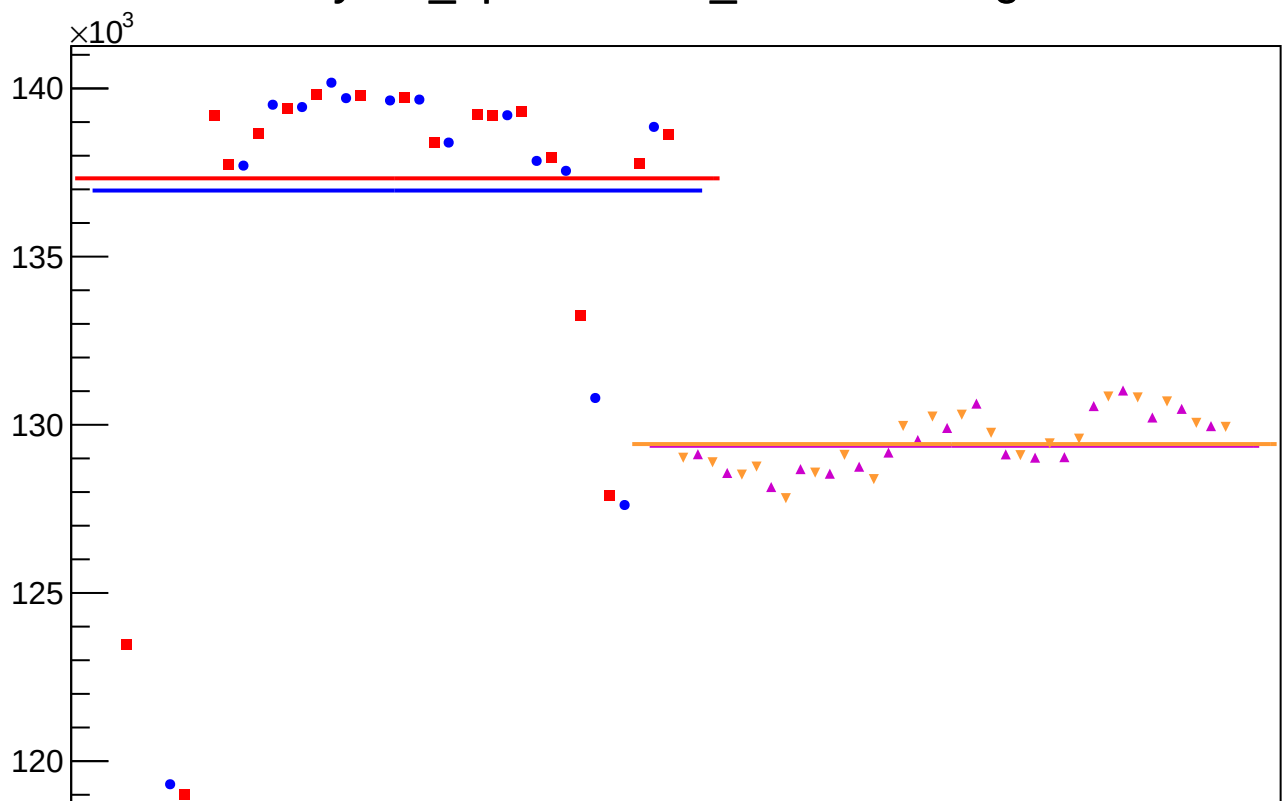
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 570.155+/-0.113 χ^2/NDF:744735.1/17

+ sign 495.215+/-0.079 χ^2/NDF: 2710368.6/35

All: 502.899+/-0.058 χ^2/NDF: 4979335.7/72

- sign 511.506+/-0.084 χ^2/NDF: 2249062.2/36



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129427.013+/-0.050 χ^2/NDF:276699696.7/19

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

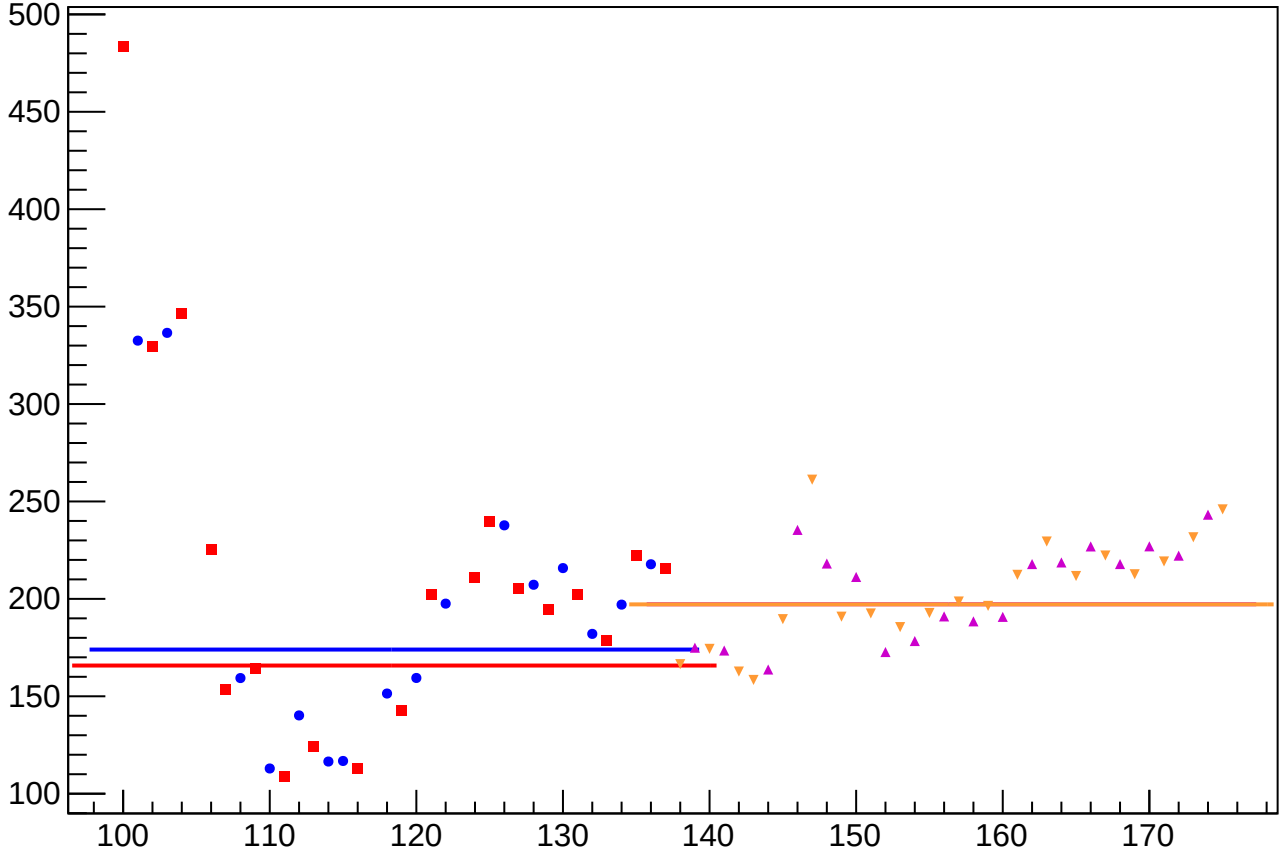
Left In: 129375.702+/-0.052 χ^2/NDF:248899558.9/17

+ sign 132013.600+/-0.041 χ^2/NDF: 13761110082.8

All: 132227.961+/-0.029 χ^2/NDF: 28823578

- sign 132441.316+/-0.041 χ^2/NDF: 15007511456.2

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 197.175+/-0.036 χ^2/NDF:515317.2/19

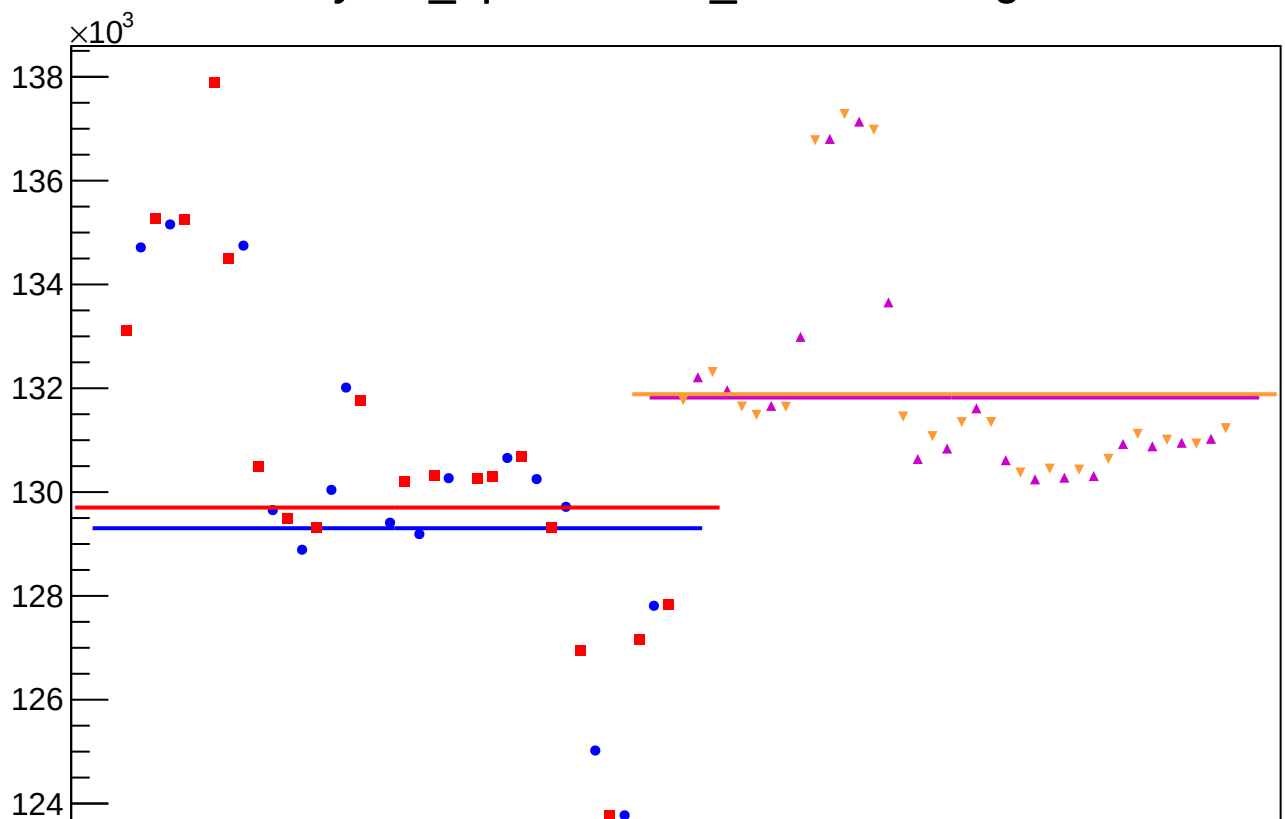
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 197.239+/-0.037 χ^2/NDF:431713.8/17

+ sign 189.216+/-0.029 χ^2/NDF: 1849162.1/35

All: 187.159+/-0.020 χ^2/NDF: 4006544.5/72

- sign 185.111+/-0.029 χ^2/NDF: 2147255.7/36



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131885.685+/-0.050 χ^2/NDF:1349418976.8/19

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

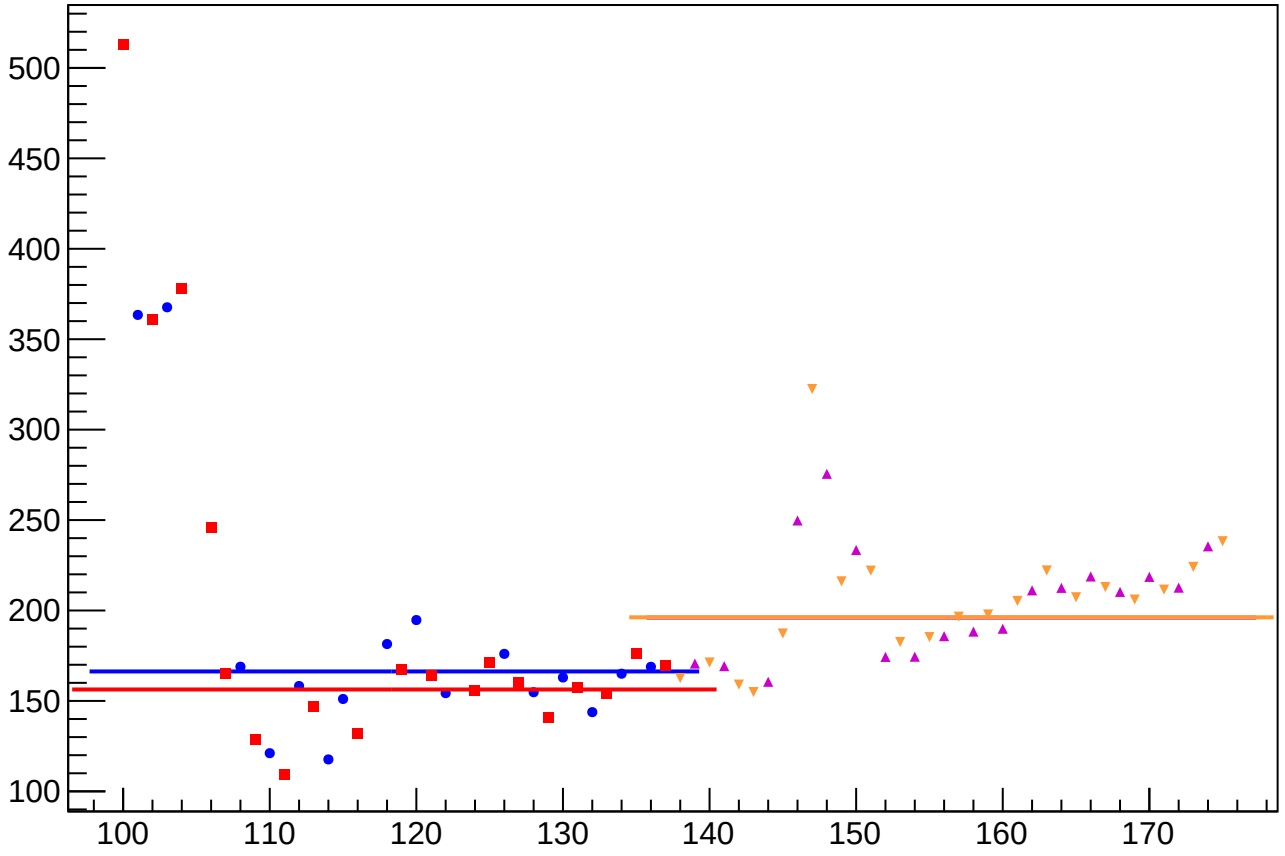
Left In: 131821.639+/-0.052 χ^2/NDF:1090587229.8/17

+ sign 130938.936+/-0.040 χ^2/NDF: 3962863739.1

All: 130940.398+/-0.028 χ^2/NDF: 7524533

- sign 130941.829+/-0.040 χ^2/NDF: 3561667520.6/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 196.228+/-0.036 χ^2/NDF:688064.6/19

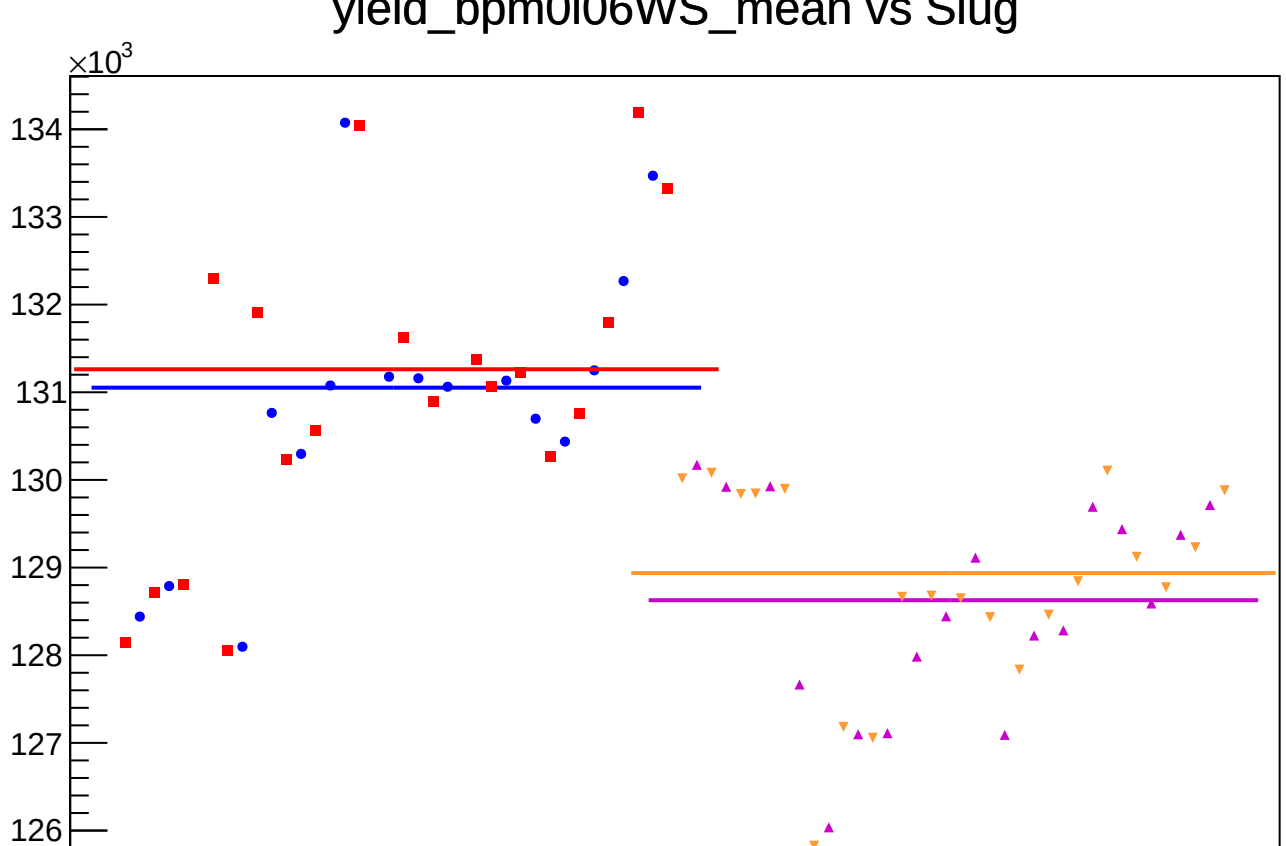
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 196.050+/-0.037 χ^2/NDF:598321.1/17

+ sign 185.254+/-0.028 χ^2/NDF: 1884825.3/35

All: 182.376+/-0.020 χ^2/NDF: 4163483.0/72

- sign 179.561+/-0.028 χ^2/NDF: 2258268.5/36



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128937.736+/-0.049 χ^2/NDF:478697055.6/19

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

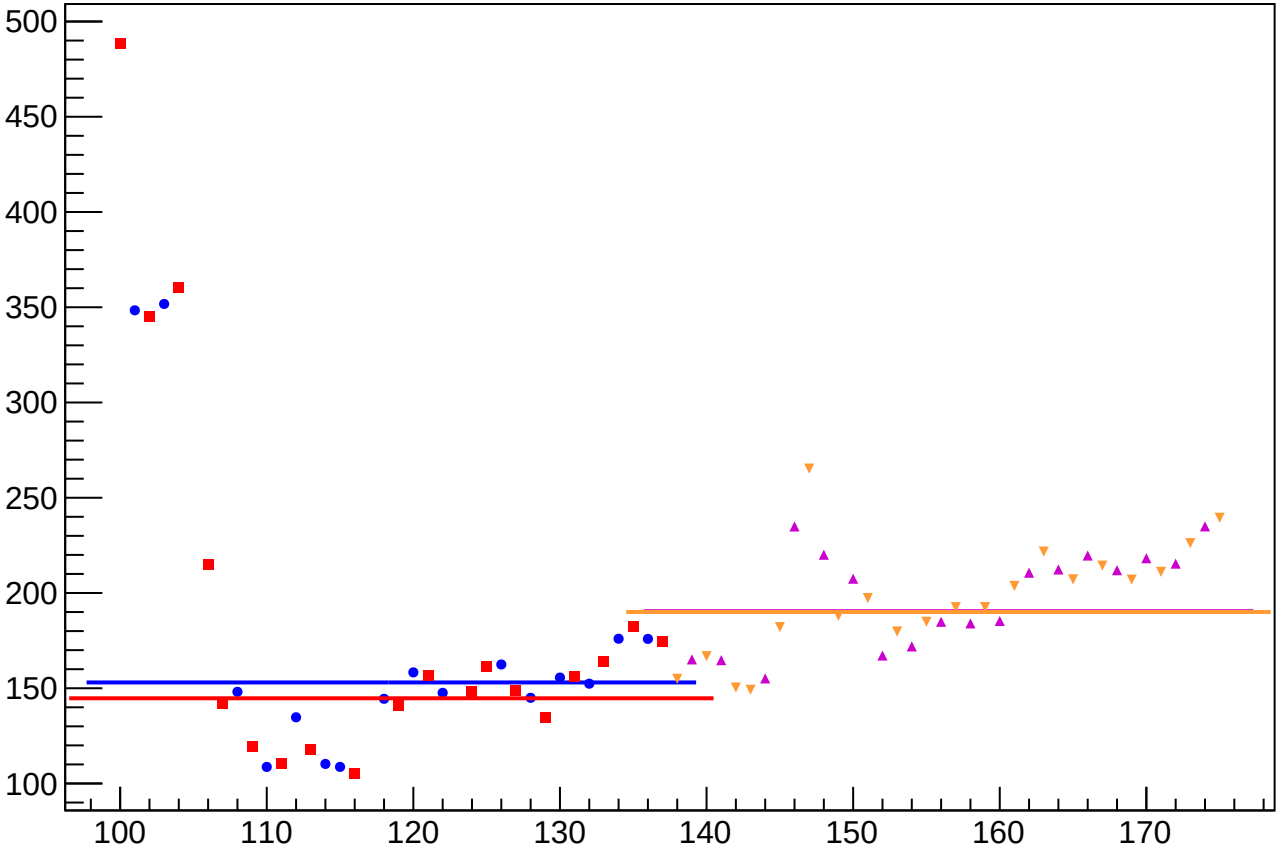
Left In: 128627.762+/-0.050 χ^2/NDF:566136918.3/17

+ sign 129766.218+/-0.038 χ^2/NDF: 1742069975.1

All: 129776.920+/-0.027 χ^2/NDF: 41227206

- sign 129787.419+/-0.038 χ^2/NDF: 2380493165.1/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 190.046+/-0.034 χ^2/NDF:639499.1/19

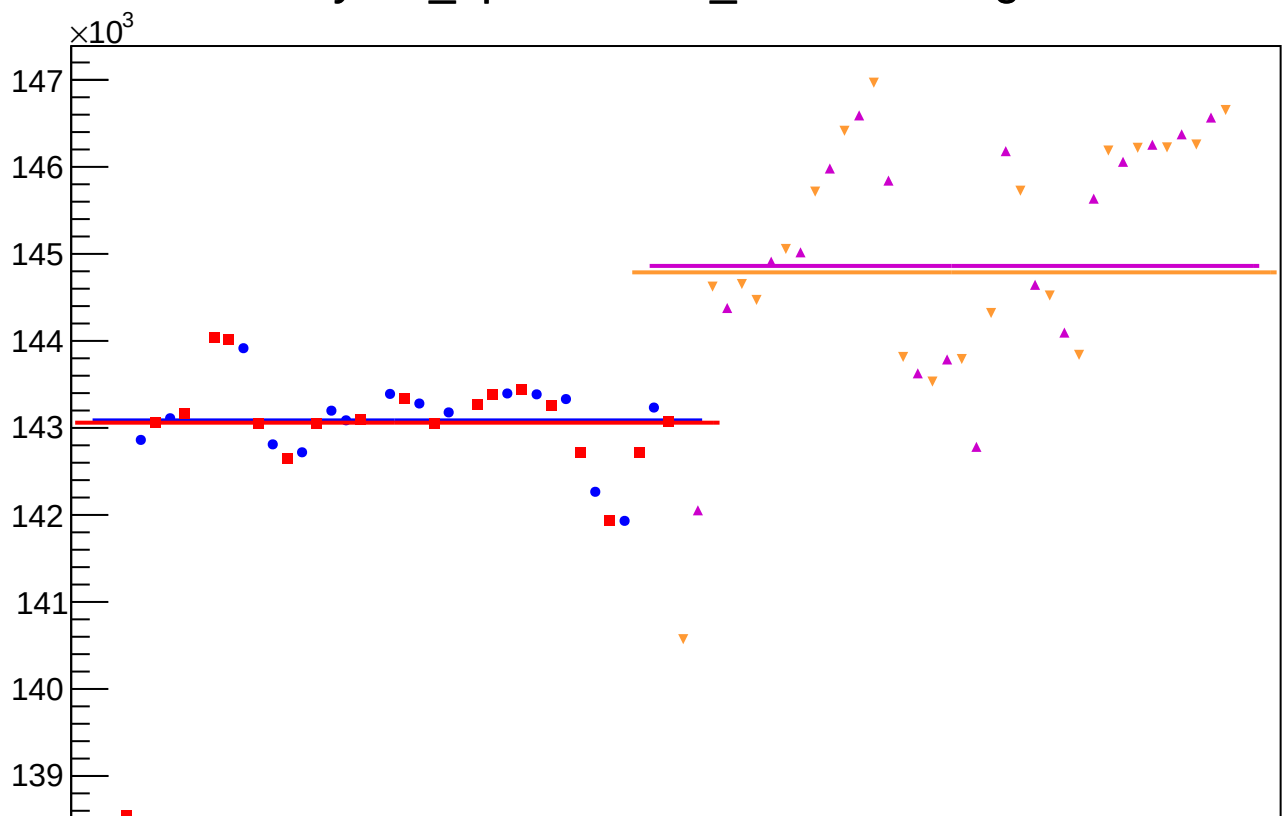
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 190.445+/-0.036 χ^2/NDF:508154.4/17

\+ sign 175.549+/-0.027 χ^2/NDF: 2151913.4/35

All: 172.911+/-0.019 χ^2/NDF: 4671367.1/72

\- sign 170.322+/-0.027 χ^2/NDF: 2500312.4/36



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144787.764+/-0.056 χ^2/NDF:792494575.3/19

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

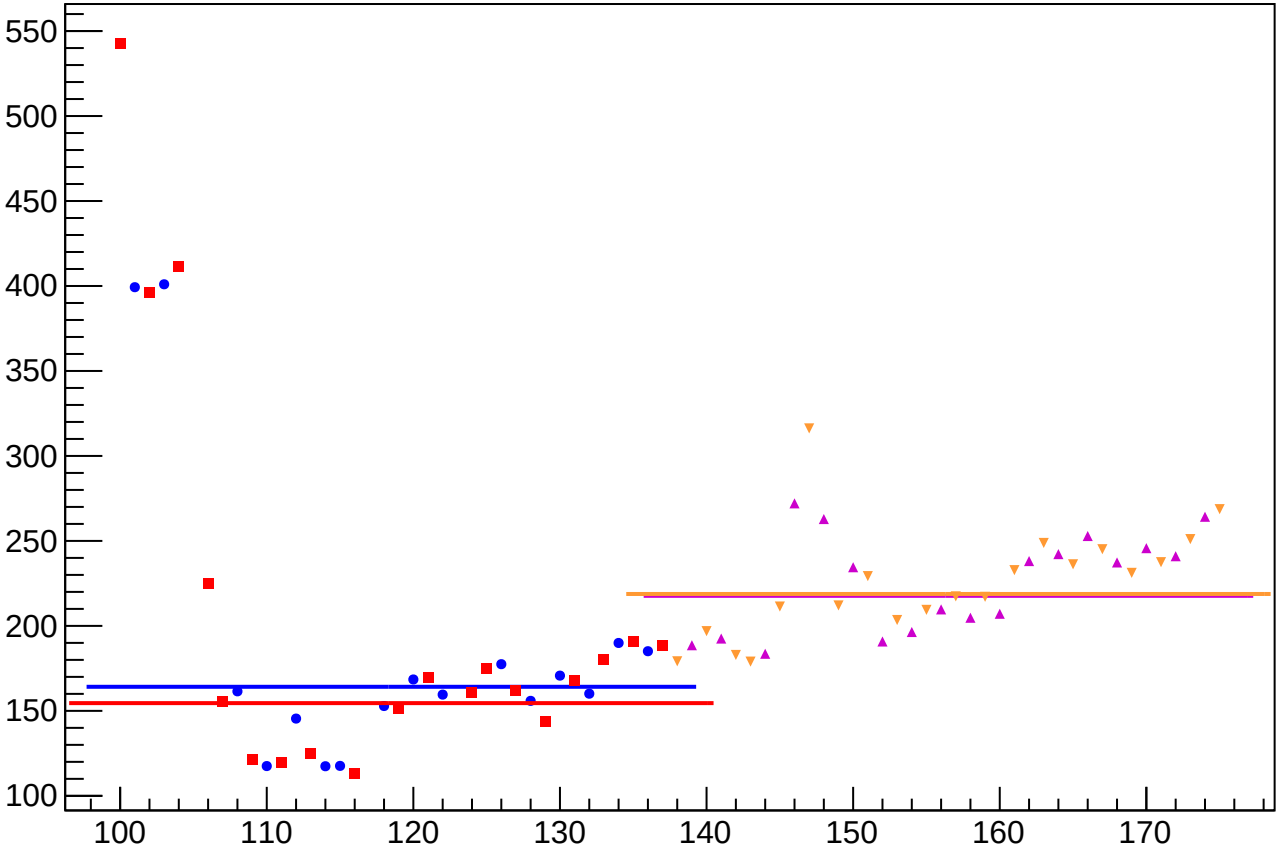
Left In: 144861.884+/-0.057 χ^2/NDF:580108311.0/17

+ sign 144064.040+/-0.042 χ^2/NDF: 1231850456.2

All: 144036.627+/-0.030 χ^2/NDF: 23296528

- sign 144010.168+/-0.042 χ^2/NDF: 1096982863.4/

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 218.776+/-0.040 χ^2/NDF:530863.5/19

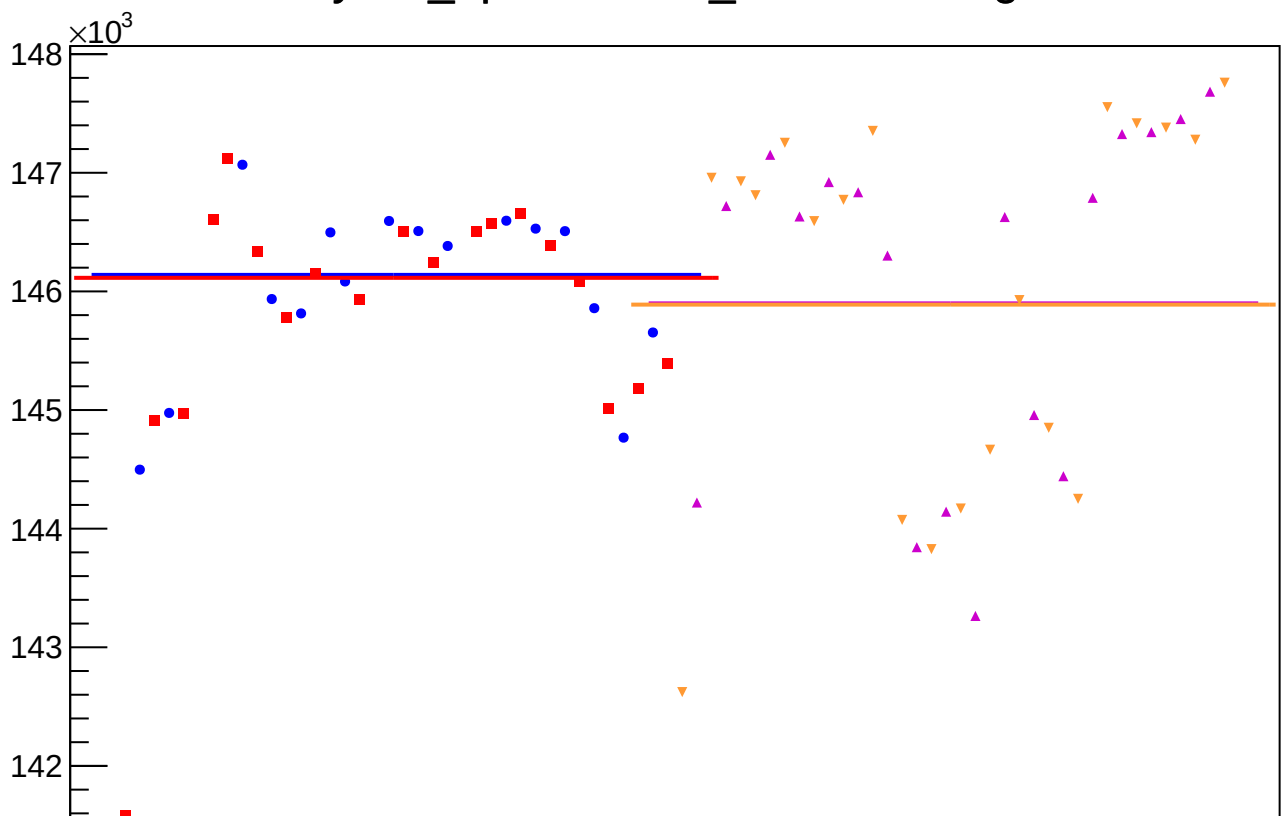
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 217.686+/-0.041 χ^2/NDF:469118.7/17

+ sign 195.545+/-0.030 χ^2/NDF: 2469708.6/35

All: 191.625+/-0.021 χ^2/NDF: 5481388.9/72

- sign 187.842+/-0.029 χ^2/NDF: 2978165.9/36



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145888.687+/-0.056 χ^2/NDF:822997346.7/19

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

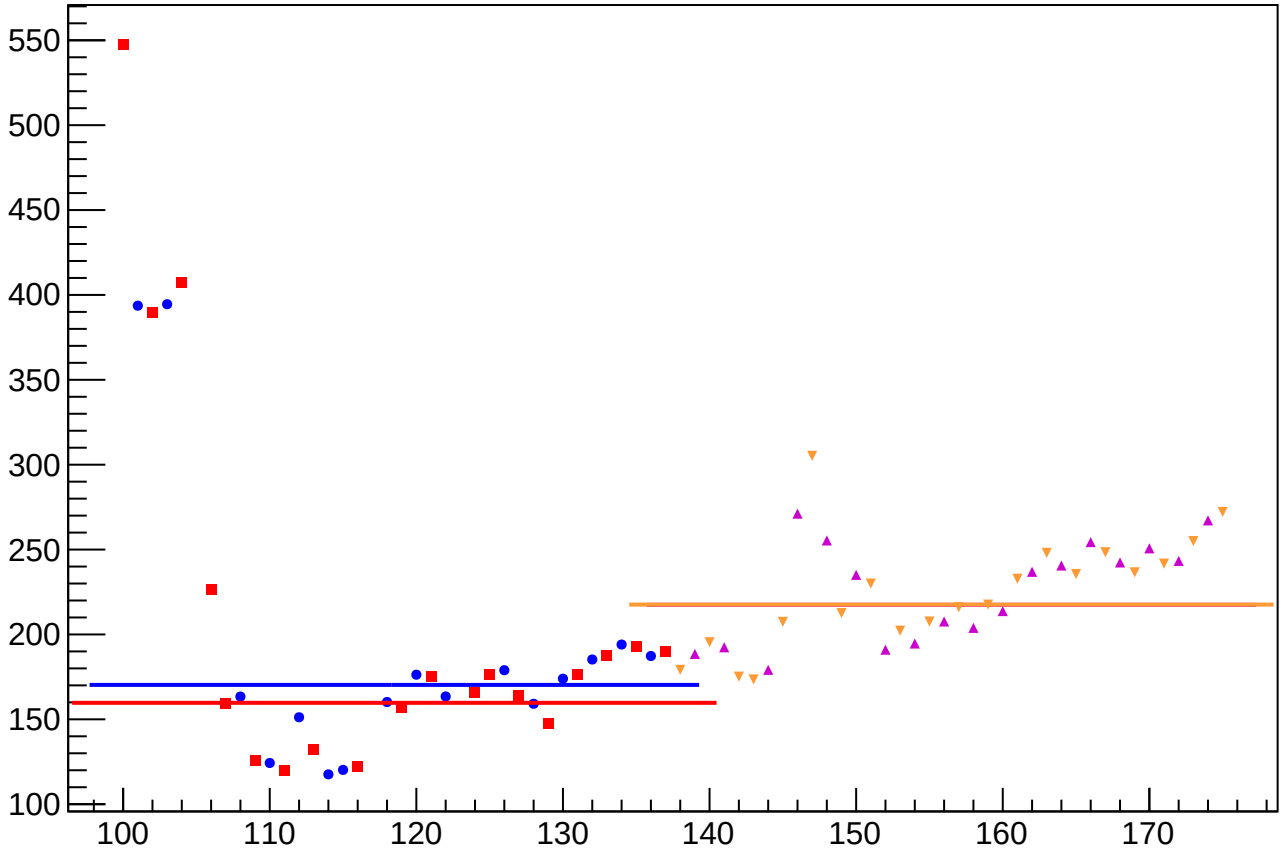
Left In: 145899.153+/-0.057 χ^2/NDF:637544481.4/17

+ sign 145990.409+/-0.043 χ^2/NDF: 902929670.8/3

All: 145994.125+/-0.030 χ^2/NDF: 16200291

- sign 145997.728+/-0.042 χ^2/NDF: 717084705.4/3

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 217.579+/-0.039 χ^2/NDF:589647.9/19

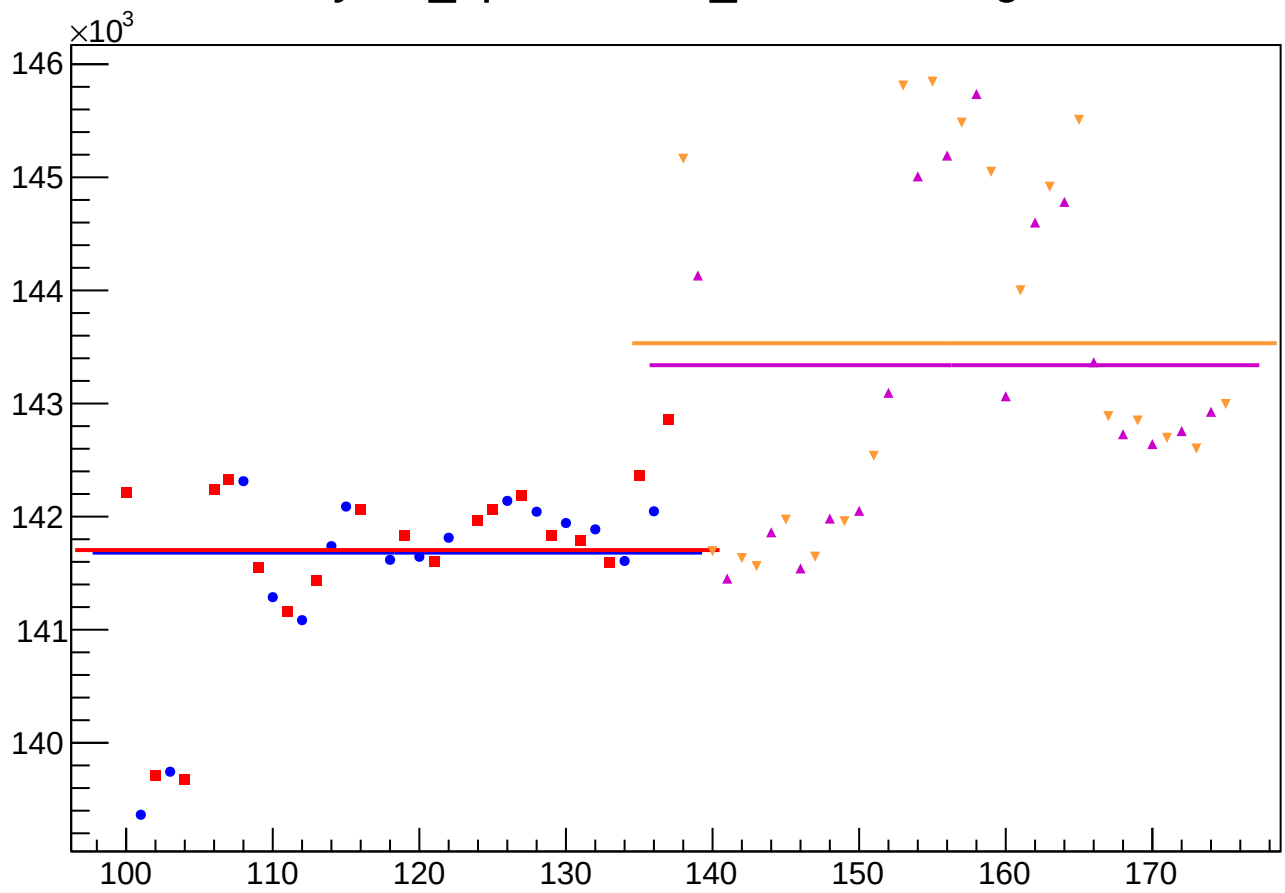
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 217.440+/-0.041 χ^2/NDF:498878.1/17

+ sign 198.375+/-0.030 χ^2/NDF: 2232515.6/35

All: 194.638+/-0.021 χ^2/NDF: 4977807.0/72

- sign 191.016+/-0.030 χ^2/NDF: 2715457.5/36



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143533.254+/-0.058 χ^2/NDF:738823540.7/19

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

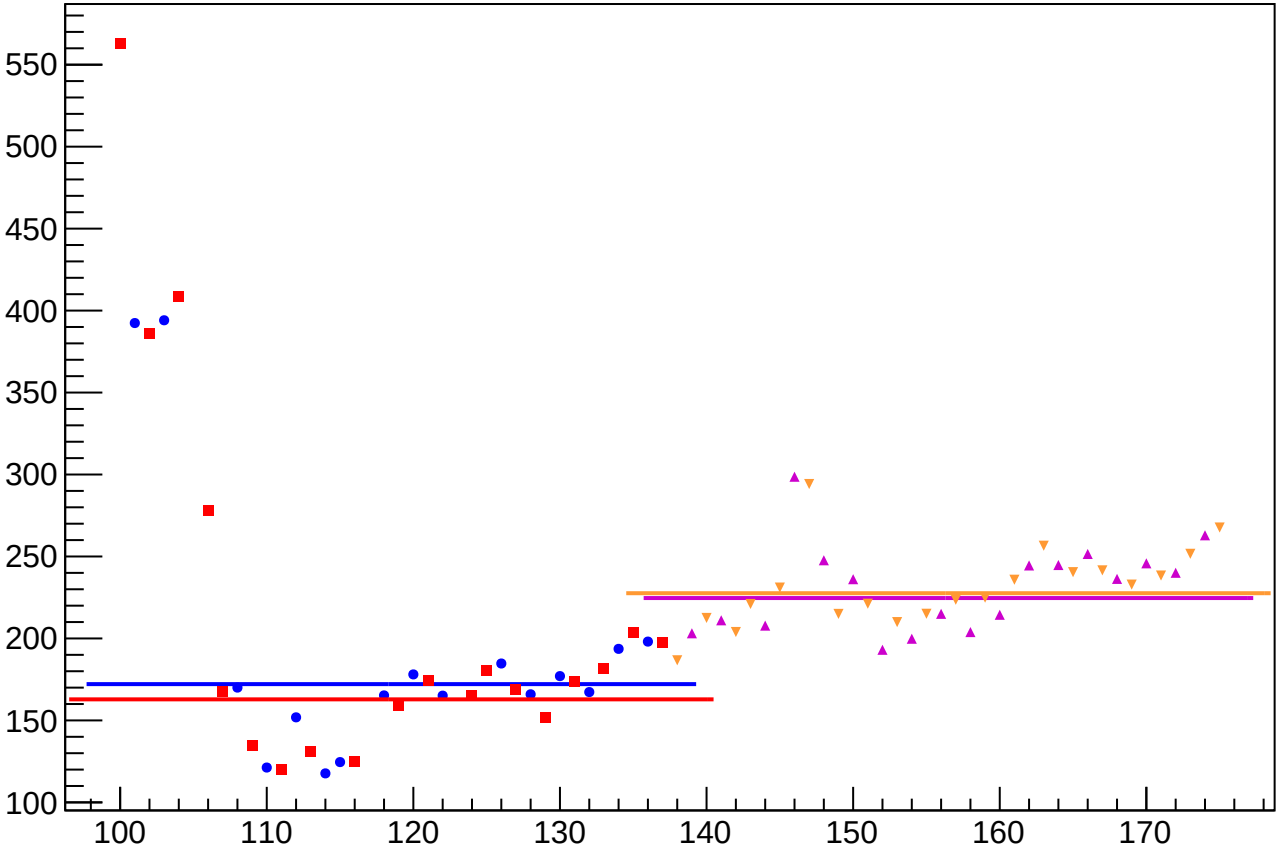
Left In: 143338.771+/-0.059 χ^2/NDF:509902067.1/17

+ sign 142757.819+/-0.044 χ^2/NDF: 1230527664.8

All: 142668.628+/-0.031 χ^2/NDF: 21667863

- sign 142582.611+/-0.043 χ^2/NDF: 928253381.0/3

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 227.595+/-0.041 χ^2/NDF:291222.5/19

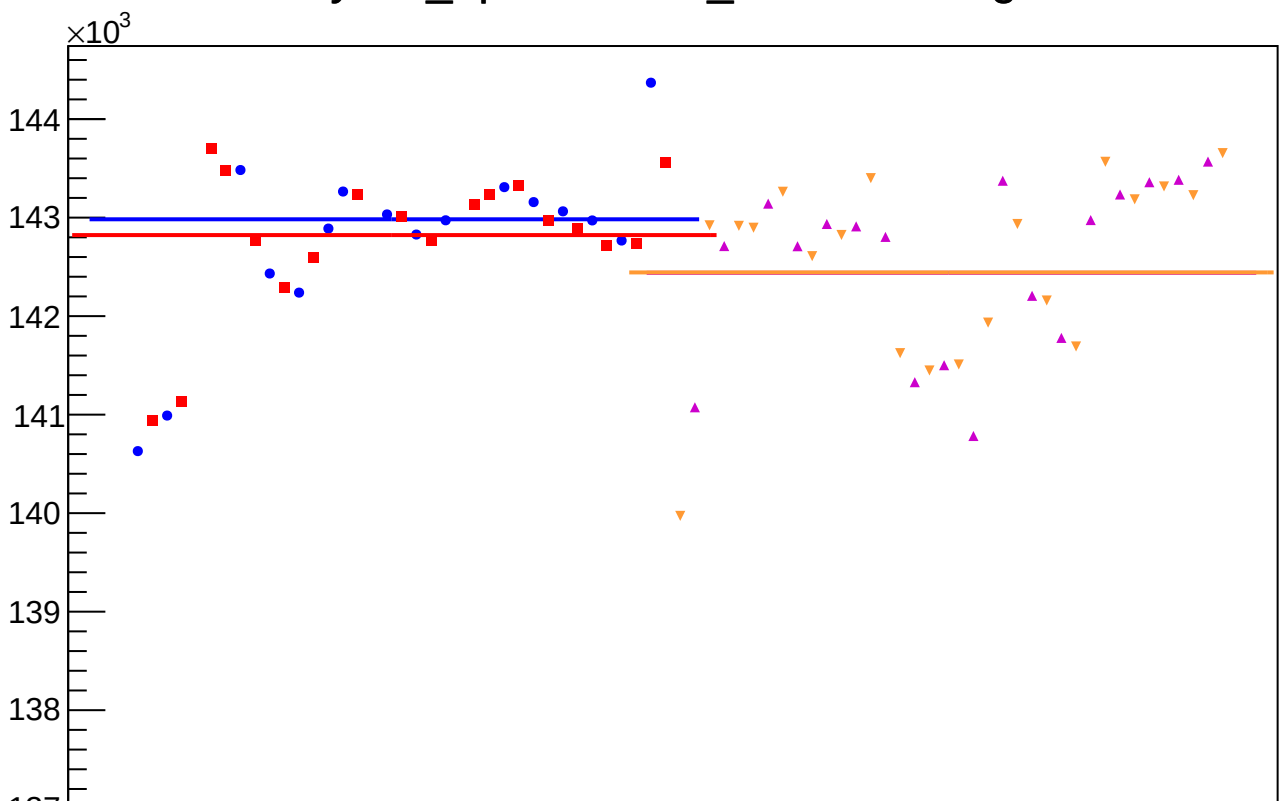
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 224.644+/-0.042 χ^2/NDF:348227.2/17

+ sign 204.368+/-0.031 χ^2/NDF: 2126777.4/35

All: 200.137+/-0.022 χ^2/NDF: 4825550.6/72

- sign 196.056+/-0.031 χ^2/NDF: 2662733.9/36



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142443.721+/-0.055 χ^2/NDF:325909979.4/19

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

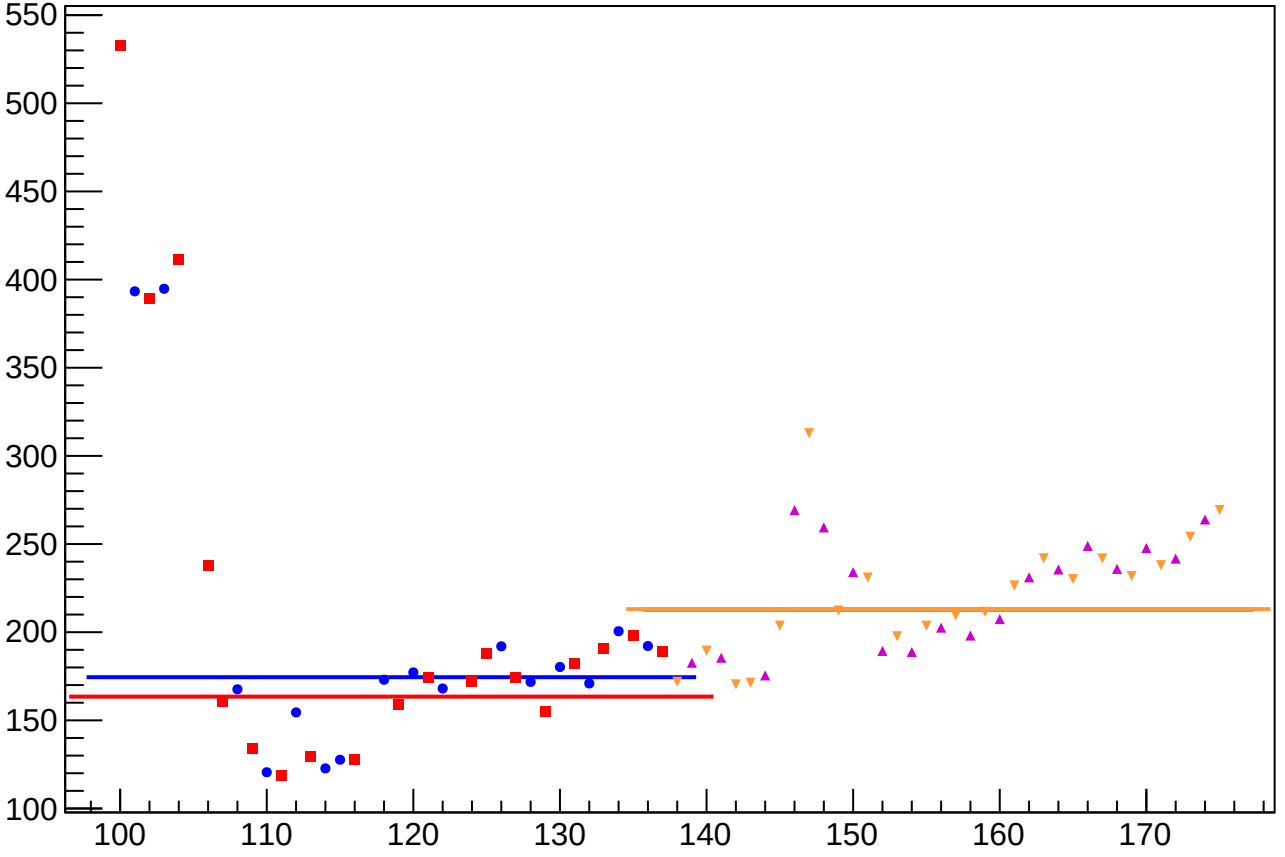
Left In: 142439.561+/-0.056 χ^2/NDF:254341171.2/17

+ sign 142650.847+/-0.043 χ^2/NDF: 471110088.8/3

All: 142628.258+/-0.030 χ^2/NDF: 80980780

- sign 142606.289+/-0.042 χ^2/NDF: 338149038.6/3

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 213.084+/-0.039 χ^2/NDF:652767.6/19

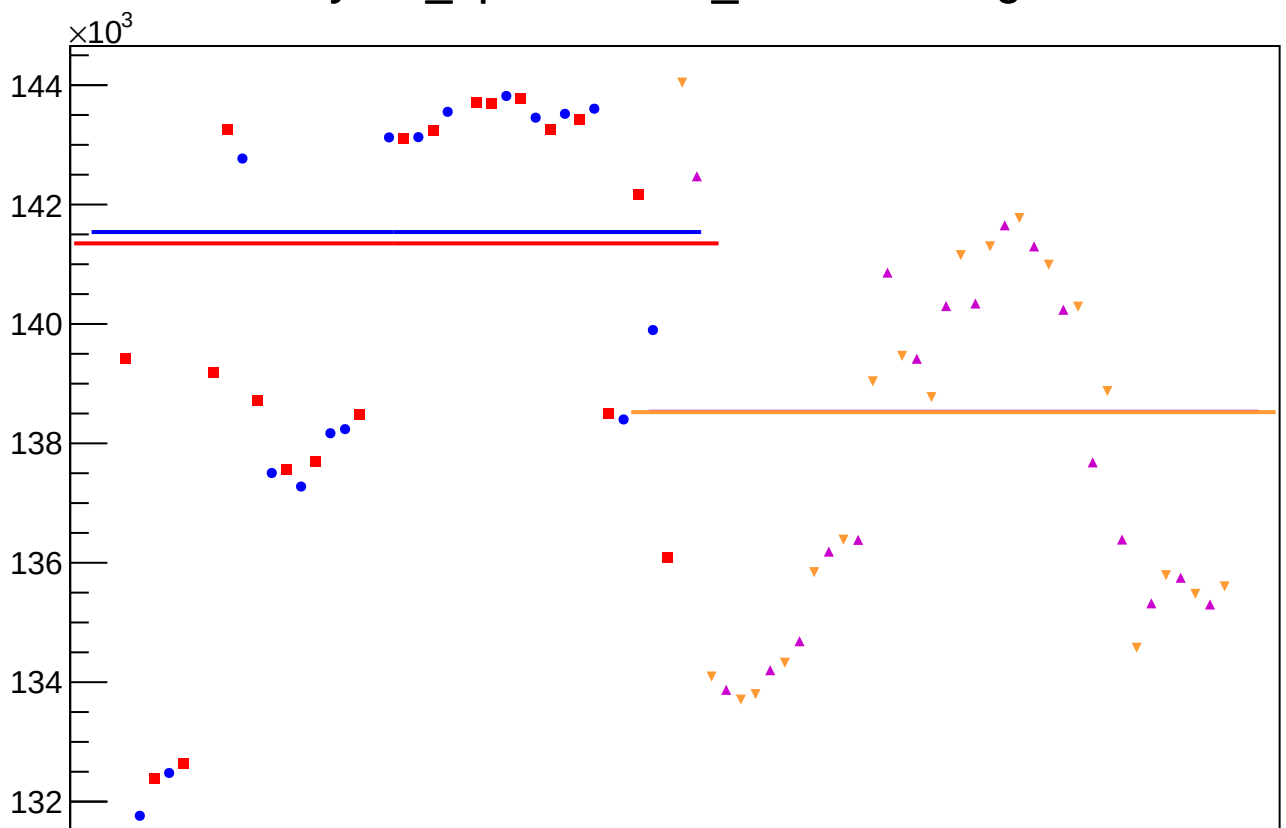
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 212.819+/-0.040 χ^2/NDF:554528.0/17

+ sign 198.252+/-0.030 χ^2/NDF: 2086501.7/35

All: 194.746+/-0.021 χ^2/NDF: 4621567.4/72

- sign 191.336+/-0.030 χ^2/NDF: 2508630.0/36



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138522.781+/-0.079 χ^2/NDF:1786714469.8/19

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

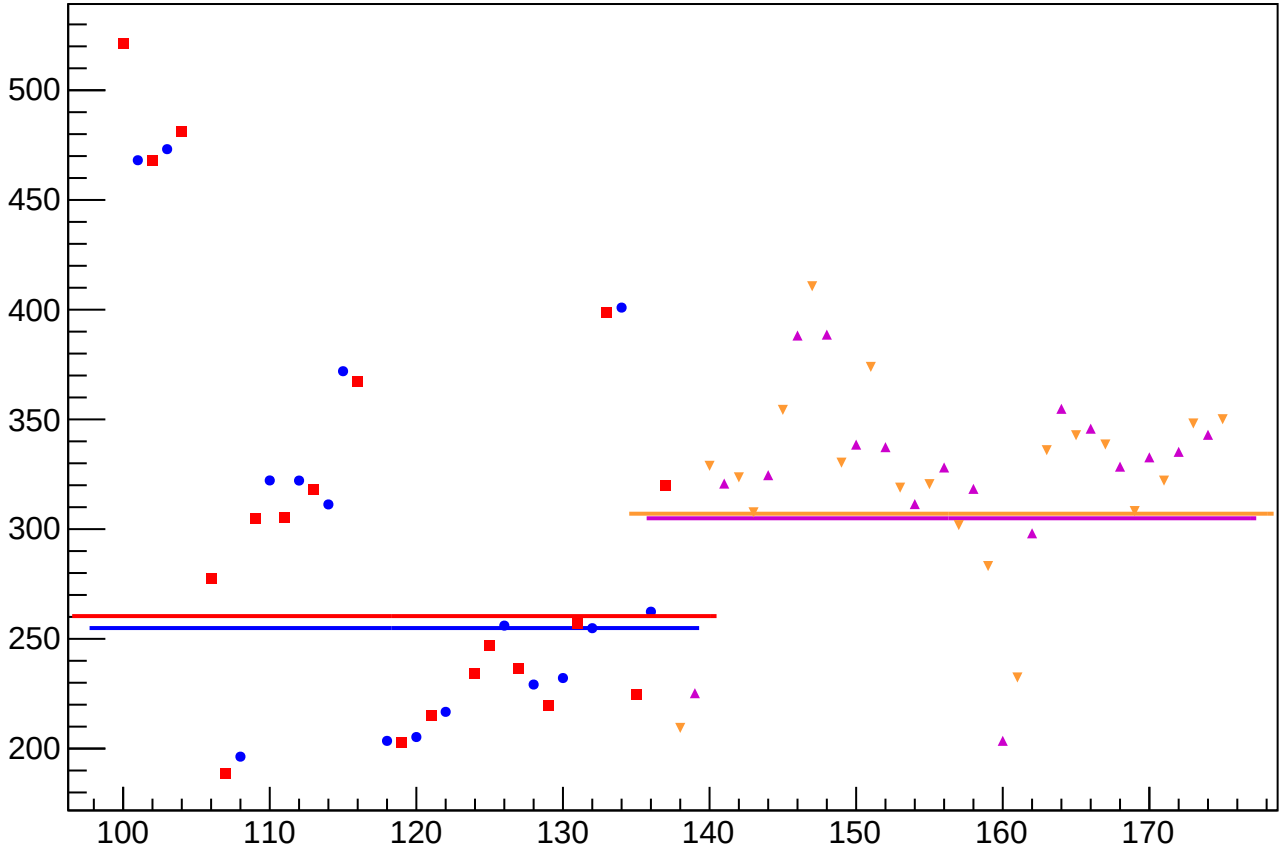
Left In: 138529.350+/-0.081 χ^2/NDF:1341805684.0/17

+ sign 139673.992+/-0.062 χ^2/NDF: 3288199840.1

All: 139657.563+/-0.044 χ^2/NDF: 60287582

- sign 139640.519+/-0.063 χ^2/NDF: 2740416626.8/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 307.032+/-0.056 χ^2/NDF:802244.1/19

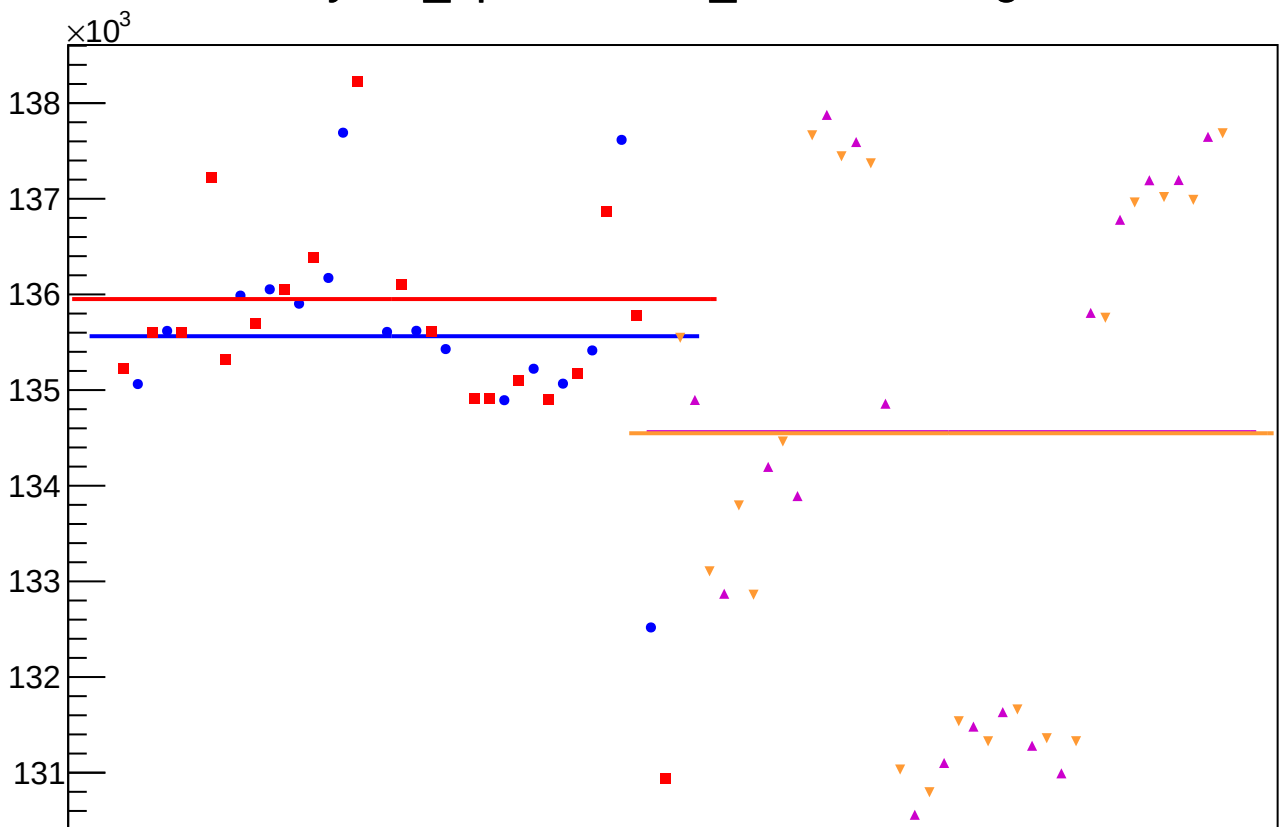
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 304.939+/-0.058 χ^2/NDF:909570.3/17

\+ sign 287.145+/-0.044 χ^2/NDF: 2082692.7/35

All: 287.259+/-0.031 χ^2/NDF: 4221337.6/72

\- sign 287.378+/-0.045 χ^2/NDF: 2138631.2/36



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134548.565+/-0.067 χ^2/NDF:1188006232.0/19

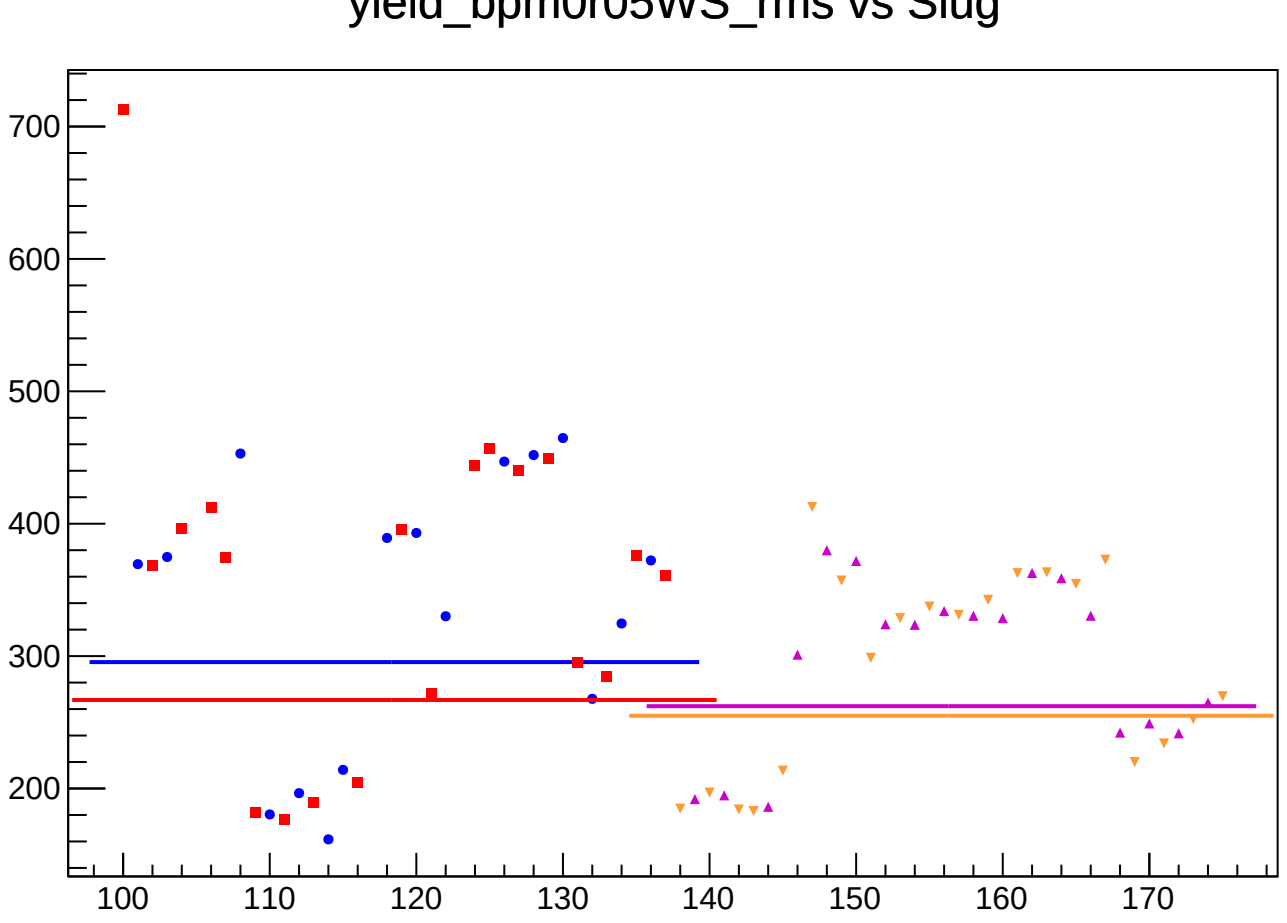
Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 134560.378+/-0.071 χ^2/NDF:1059083081.5/17

+ sign 134795.548+/-0.058 χ^2/NDF: 1337762341.5

All: 134890.780+/-0.041 χ^2/NDF: 26123069

- sign 134987.841+/-0.059 χ^2/NDF: 1269174756.3/



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 254.953+/-0.047 χ^2/NDF:2168126.4/19

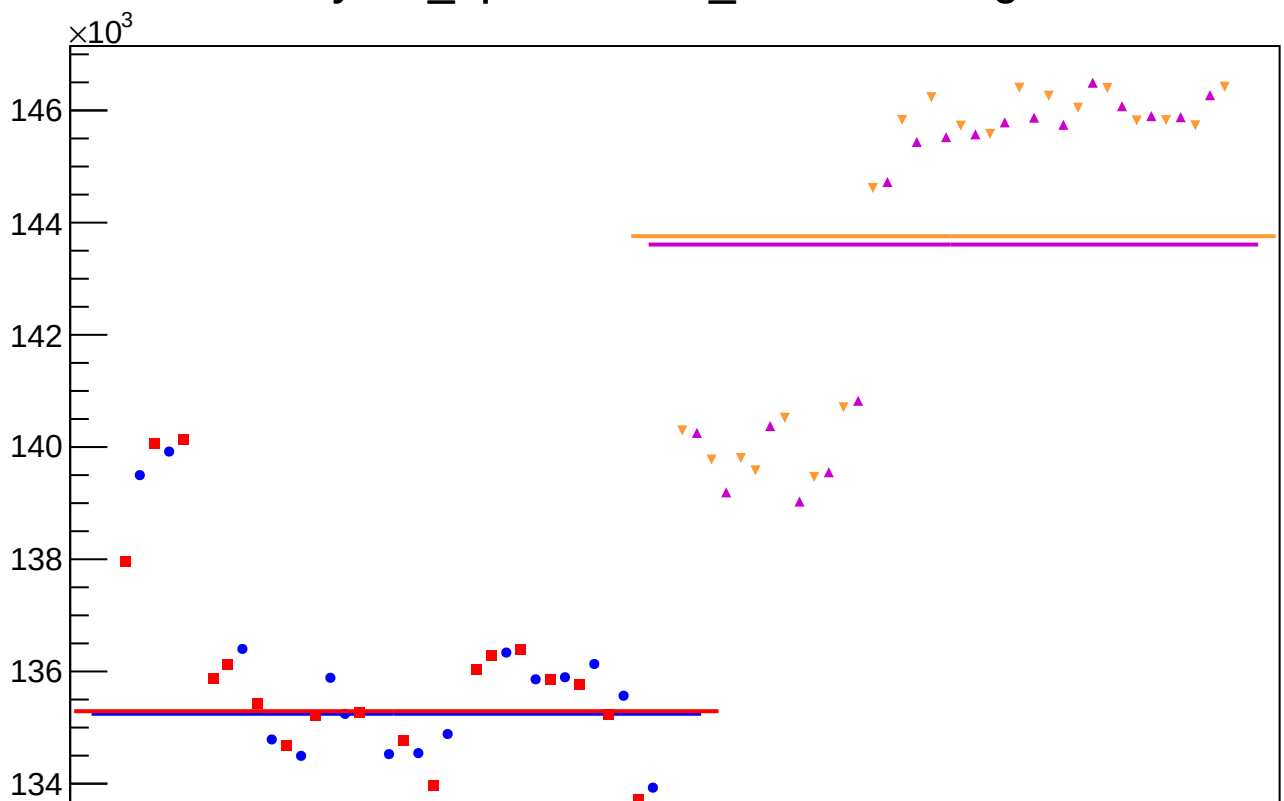
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 262.180+/-0.050 χ^2/NDF:1682935.9/17

+ sign 264.820+/-0.041 χ^2/NDF: 3788086.2/35

All: 264.225+/-0.029 χ^2/NDF: 7152201.4/72

- sign 263.619+/-0.042 χ^2/NDF: 3363696.7/36



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143757.632+/-0.051 χ^2/NDF:3091021113.0/19

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

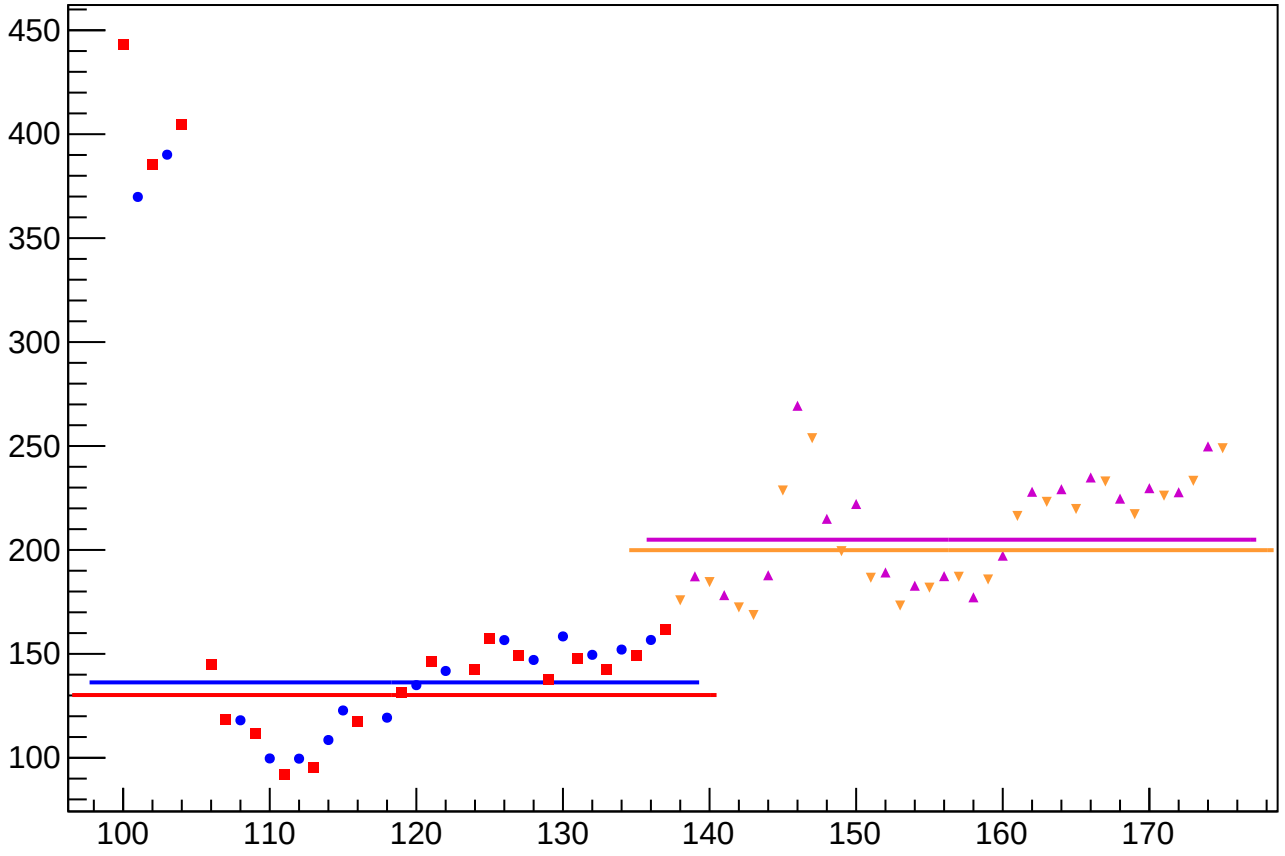
Left In: 143609.595+/-0.054 χ^2/NDF:2714909595.8/17

+ sign 139791.273+/-0.037 χ^2/NDF: 16397921409.

All: 139530.345+/-0.026 χ^2/NDF: 31944937

- sign 139269.028+/-0.037 χ^2/NDF: 15449364338.5

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 199.894+/-0.036 χ^2/NDF:489621.9/19

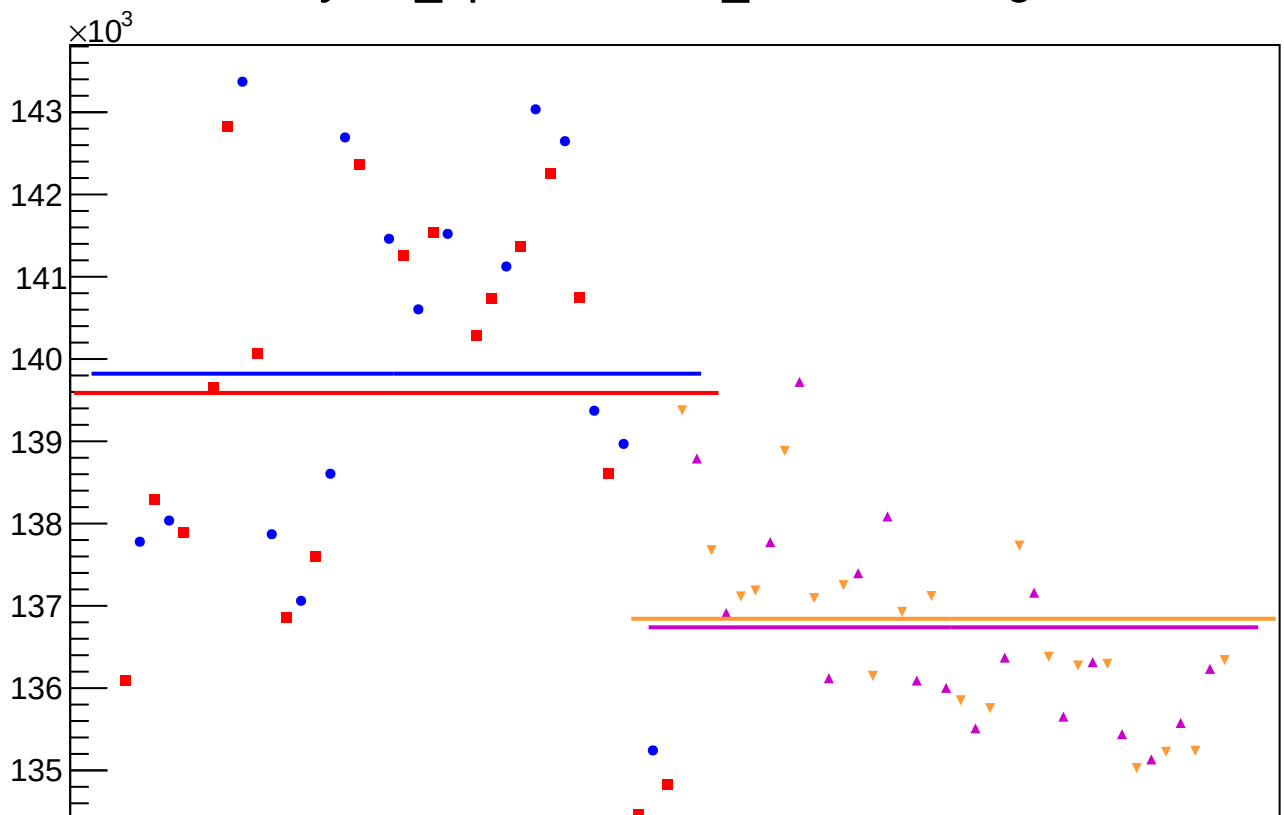
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 204.927+/-0.038 χ^2/NDF:425390.5/17

+ sign 170.252+/-0.026 χ^2/NDF: 3316747.3/35

All: 168.095+/-0.019 χ^2/NDF: 7270074.1/72

- sign 165.934+/-0.026 χ^2/NDF: 3939977.7/36



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 136842.994+/-0.052 χ^2/NDF:478078148.2/19

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

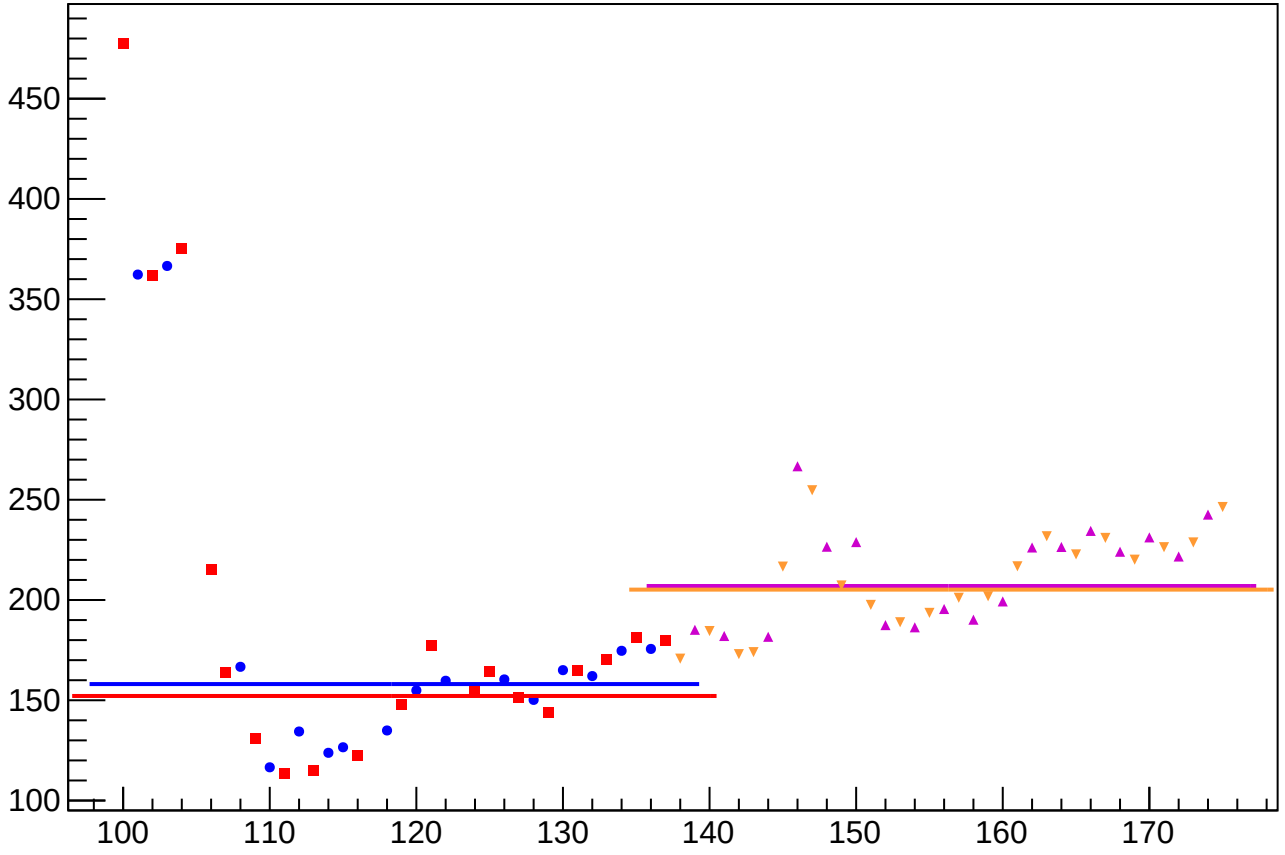
Left In: 136738.779+/-0.055 χ^2/NDF:468362321.3/17

+ sign 138072.825+/-0.040 χ^2/NDF: 3471665123.6

All: 138054.838+/-0.028 χ^2/NDF: 66622110

- sign 138036.765+/-0.040 χ^2/NDF: 3190144917.7/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 205.177+/-0.037 χ^2/NDF:386884.0/19

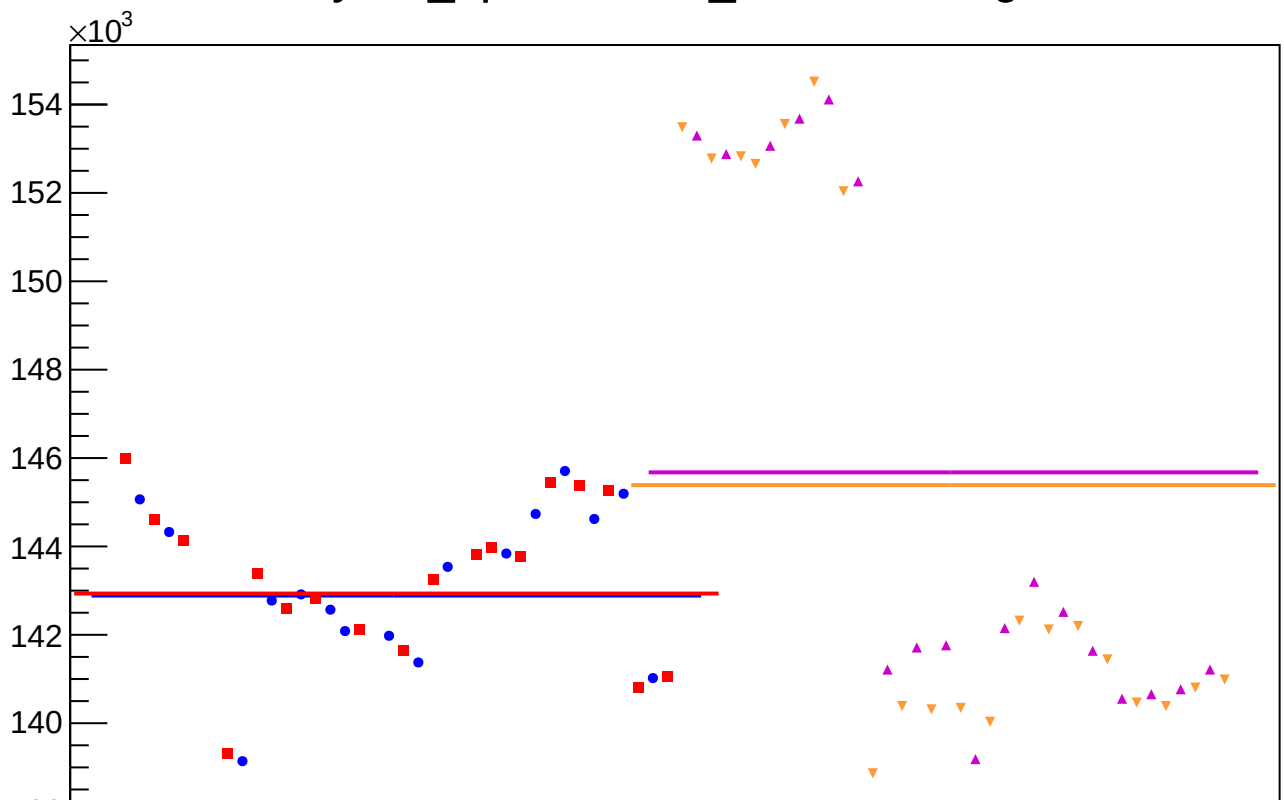
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 206.981+/-0.039 χ^2/NDF:371575.4/17

+ sign 185.734+/-0.028 χ^2/NDF: 2069731.0/35

All: 183.870+/-0.020 χ^2/NDF: 4597008.5/72

- sign 181.996+/-0.029 χ^2/NDF: 2518657.5/36



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145387.421+/-0.053 χ^2/NDF:12970816864.0/19

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

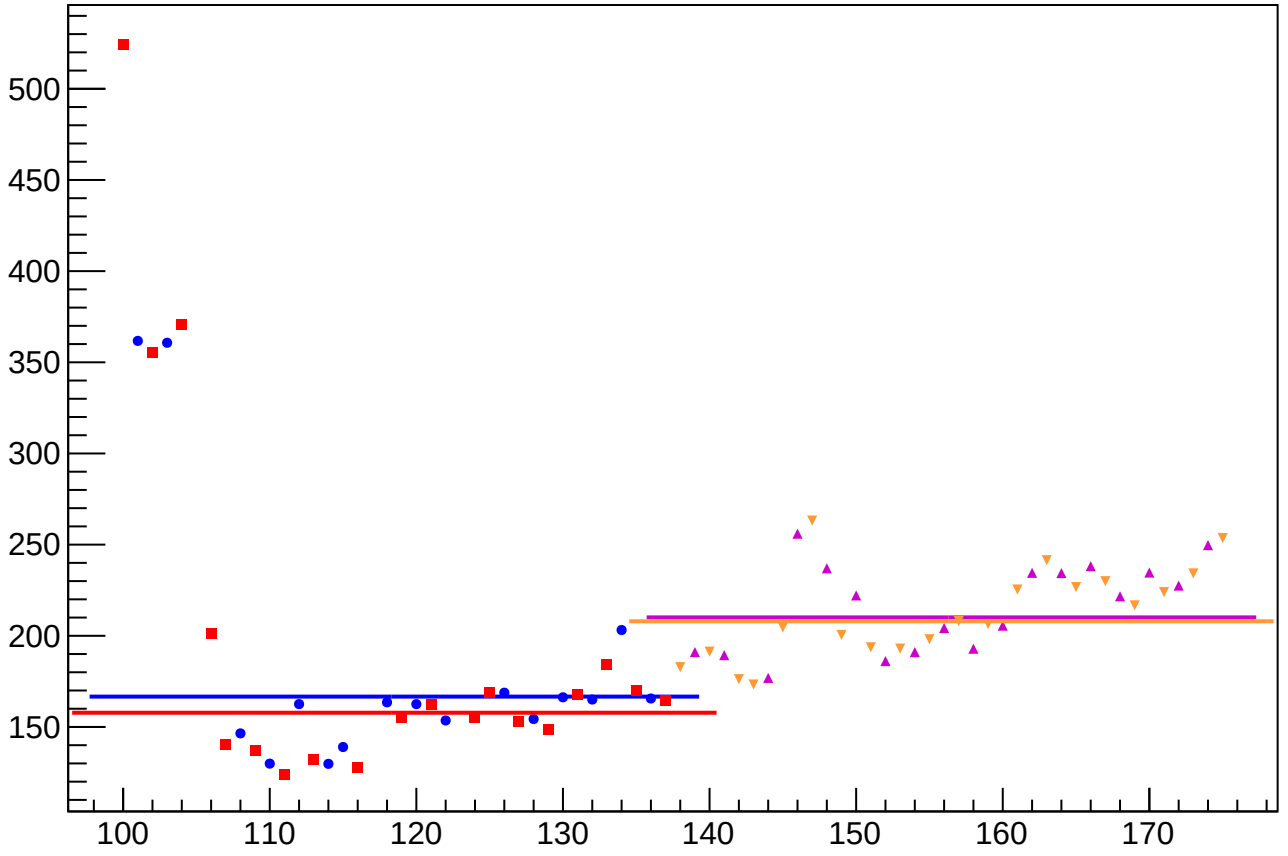
Left In: 145675.909+/-0.055 χ^2/NDF:10948718305.6/17

+ sign 144398.958+/-0.041 χ^2/NDF: 14608143913.4

All: 144423.609+/-0.029 χ^2/NDF: 27441399

- sign 144448.093+/-0.041 χ^2/NDF: 12832546274.1

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 207.965+/-0.038 χ^2/NDF:376827.7/19

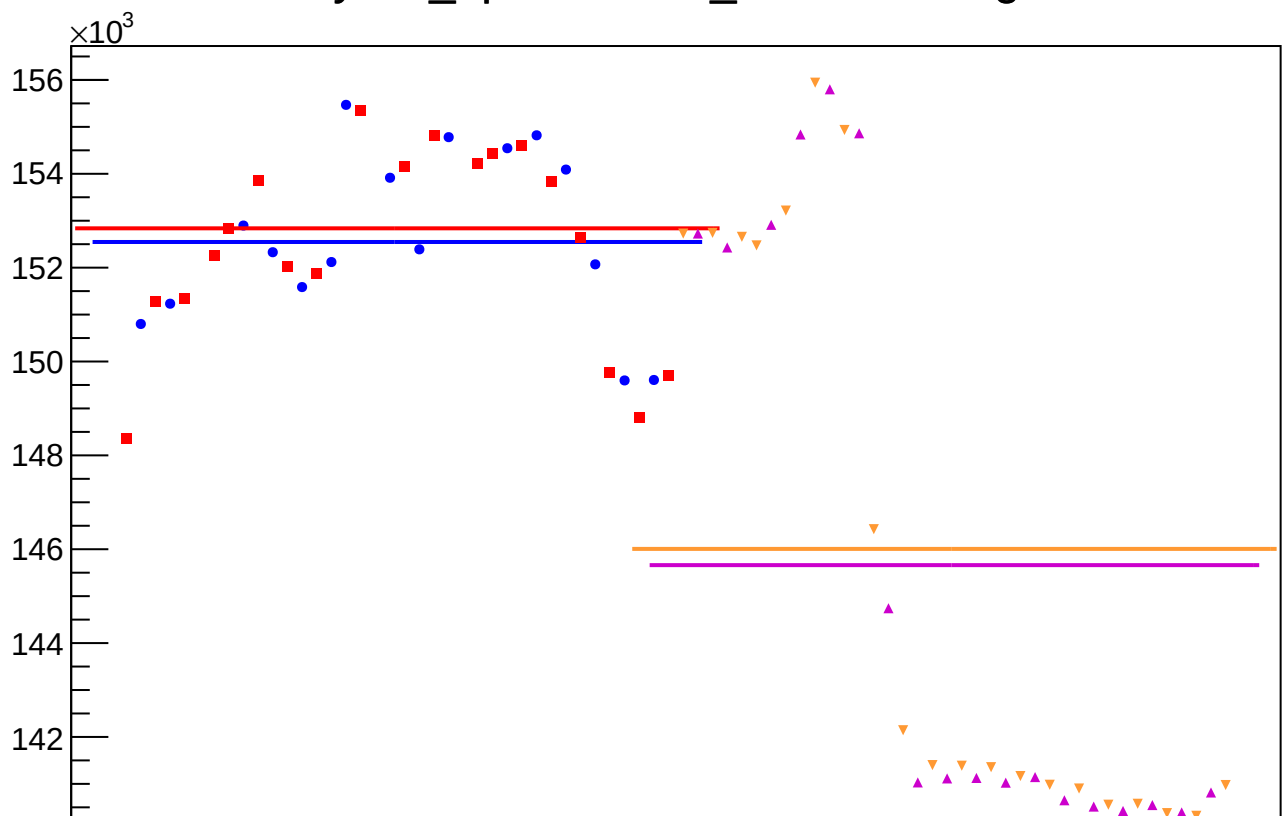
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 210.102+/-0.039 χ^2/NDF:361487.6/17

+ sign 191.620+/-0.029 χ^2/NDF: 1718419.3/35

All: 189.145+/-0.021 χ^2/NDF: 3914098.4/72

- sign 186.686+/-0.029 χ^2/NDF: 2181375.3/36



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146006.967+/-0.053 χ^2/NDF:12235109334.3/19

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

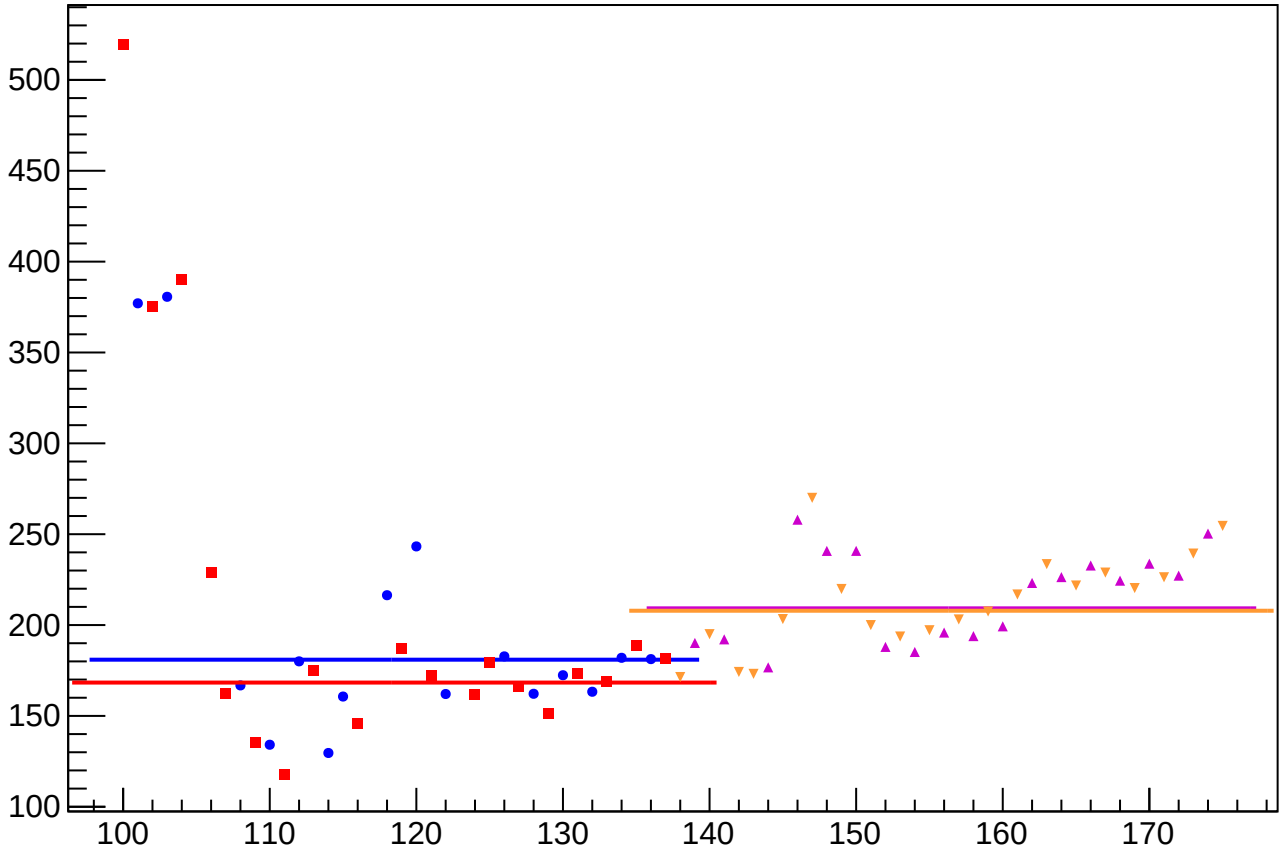
Left In: 145661.019+/-0.055 χ^2/NDF:11970445053.5/17

+ sign 148279.886+/-0.043 χ^2/NDF: 18181909705.

All: 148426.759+/-0.030 χ^2/NDF: 37803870

- sign 148571.165+/-0.042 χ^2/NDF: 19598616250.

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 207.881+/-0.037 χ^2/NDF:420543.8/19

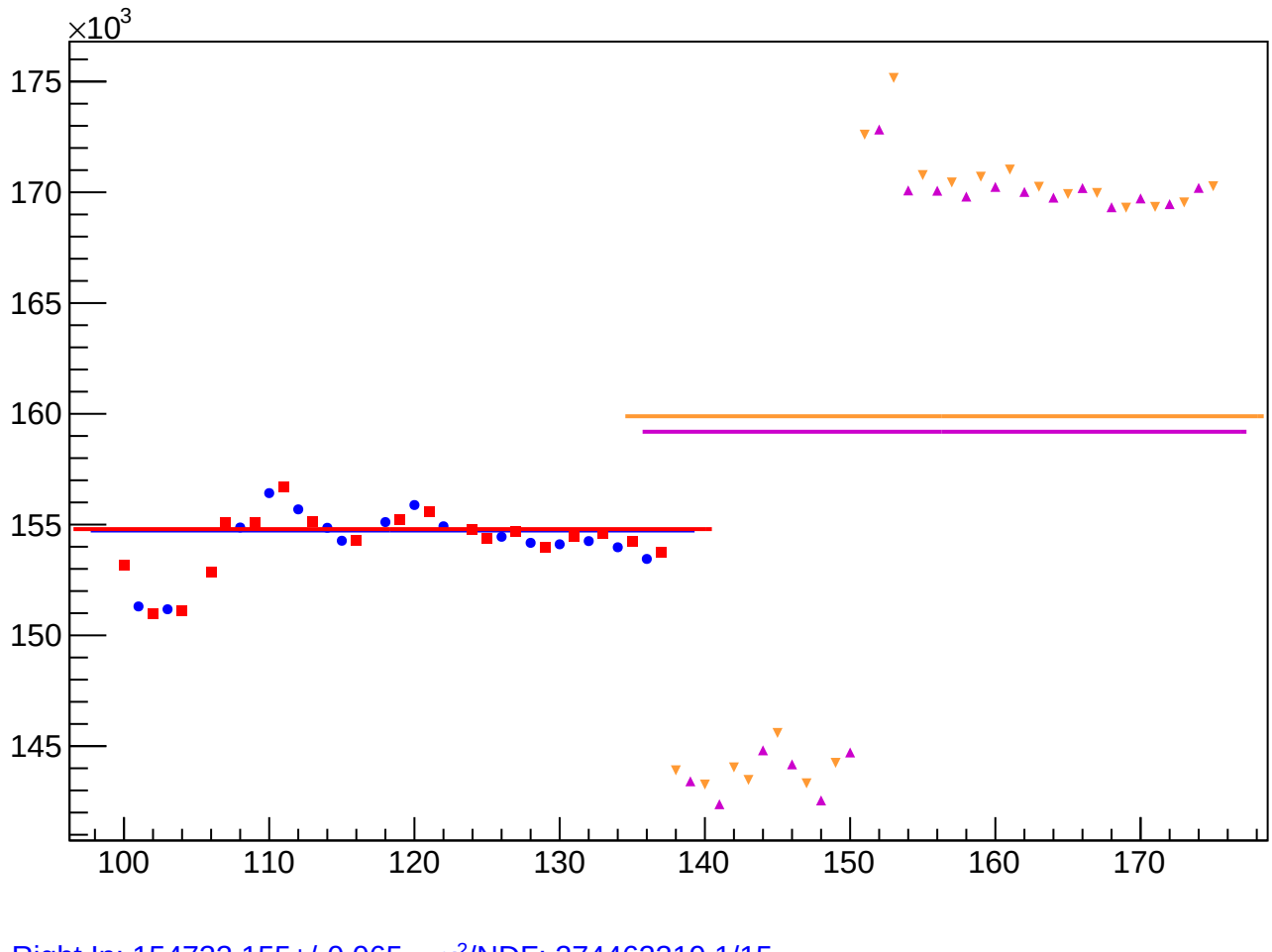
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 209.199+/-0.039 χ^2/NDF:390085.9/17

+ sign 198.517+/-0.030 χ^2/NDF: 1507945.1/35

All: 195.551+/-0.021 χ^2/NDF: 3452678.3/72

- sign 192.635+/-0.030 χ^2/NDF: 1925688.9/36



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 159890.334+/-0.050 χ^2/NDF:71753253051.5/19

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

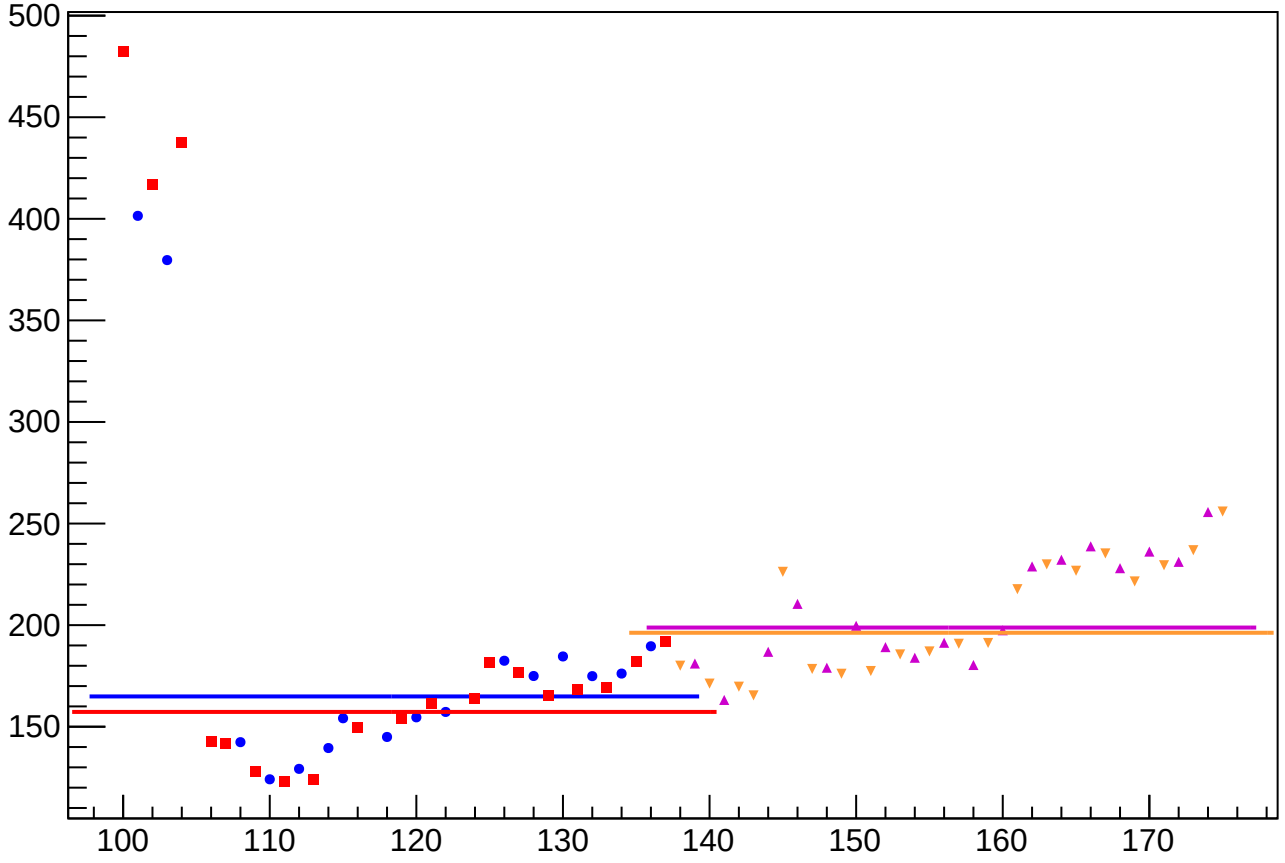
Left In: 159190.813+/-0.052 χ^2/NDF:63566139431.2/17

+ sign 157979.131+/-0.040 χ^2/NDF: 75966175623.

All: 157656.446+/-0.028 χ^2/NDF: 14295967

- sign 157333.642+/-0.040 χ^2/NDF: 66861258181.8

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 196.245+/-0.035 χ^2/NDF:530116.8/19

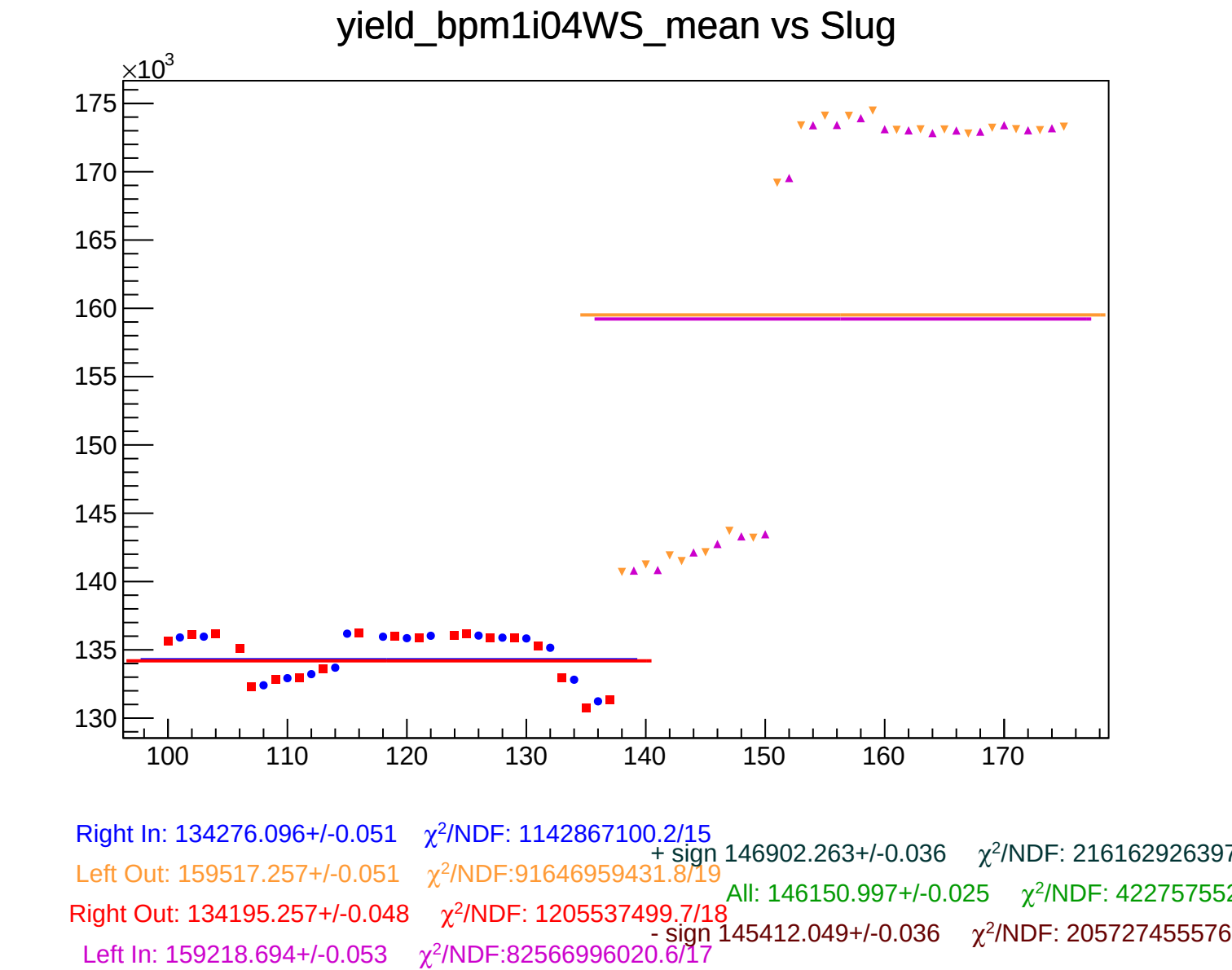
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 198.811+/-0.037 χ^2/NDF:437016.5/17

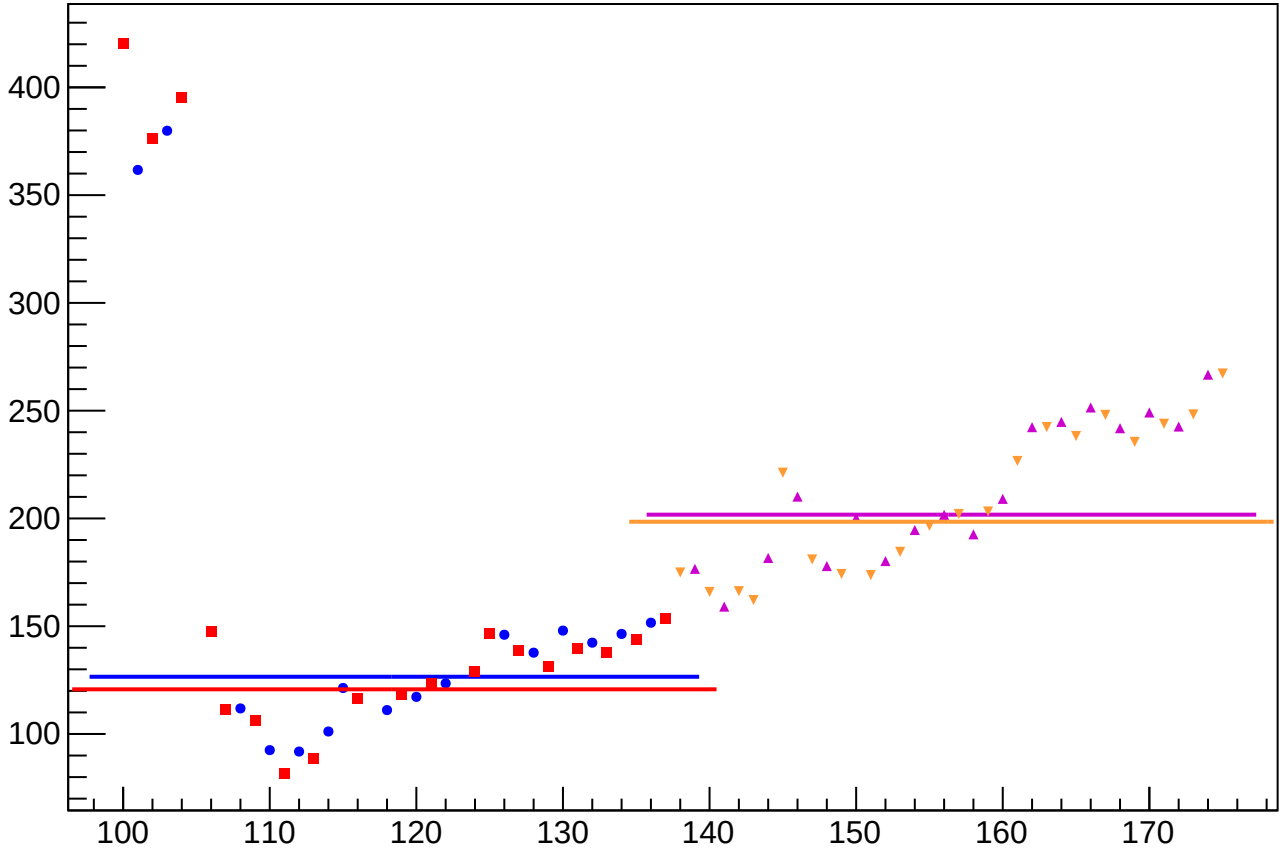
+ sign 184.631+/-0.028 χ^2/NDF: 1893710.1/35

All: 182.947+/-0.020 χ^2/NDF: 4126862.9/72

- sign 181.262+/-0.028 χ^2/NDF: 2225949.4/36


yield_bpm1i04WS_mean vs Slug
×10^3
175
170
165
160
155
150
145
140
135
130
100
110
120
130
140
150
160
170
Right In: 134276.096+/-0.051 χ²/NDF: 1142867100.2/15
Left Out: 159517.257+/-0.051 χ²/NDF:91646959431.8/19
Right Out: 134195.257+/-0.048 χ²/NDF: 1205537499.7/18
Left In: 159218.694+/-0.053 χ²/NDF:82566996020.6/17
+ sign 146902.263+/-0.036 χ²/NDF: 21616292639
All: 146150.997+/-0.025 χ²/NDF: 42275755
- sign 145412.049+/-0.036 χ²/NDF: 205727455576

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 198.477+/-0.036 χ^2/NDF:759234.1/19

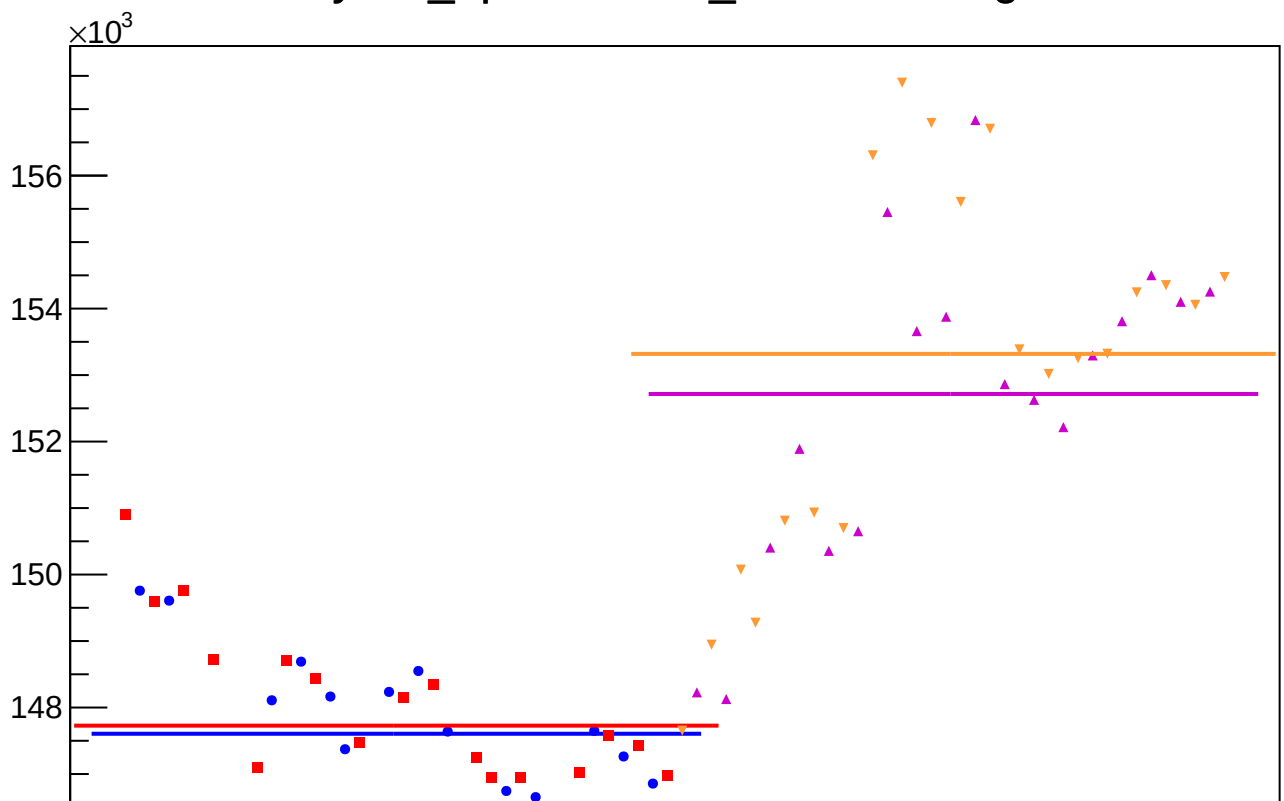
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 201.753+/-0.038 χ^2/NDF:624489.4/17

+ sign 162.530+/-0.025 χ^2/NDF: 4240256.9/35

All: 159.765+/-0.018 χ^2/NDF: 9078530.7/72

- sign 157.045+/-0.025 χ^2/NDF: 4814776.2/36



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153318.720+/-0.054 χ^2/NDF:2976059846.7/19

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

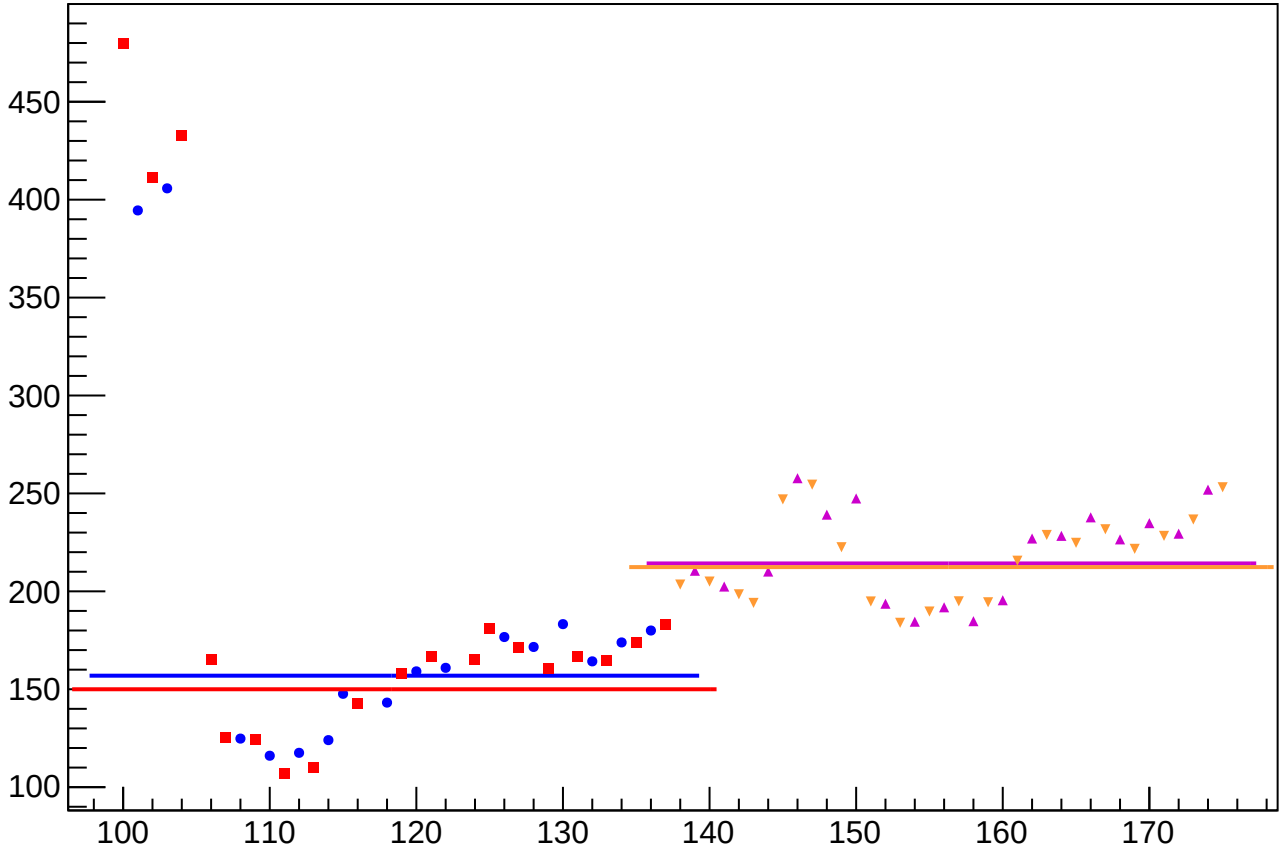
Left In: 152715.719+/-0.056 χ^2/NDF:1876034761.7/17

+ sign 150876.511+/-0.041 χ^2/NDF: 7964430836.8/

All: 150606.371+/-0.029 χ^2/NDF: 13872106

- sign 150338.364+/-0.041 χ^2/NDF: 5820543281.7/

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 212.375+/-0.038 χ^2/NDF:300327.3/19

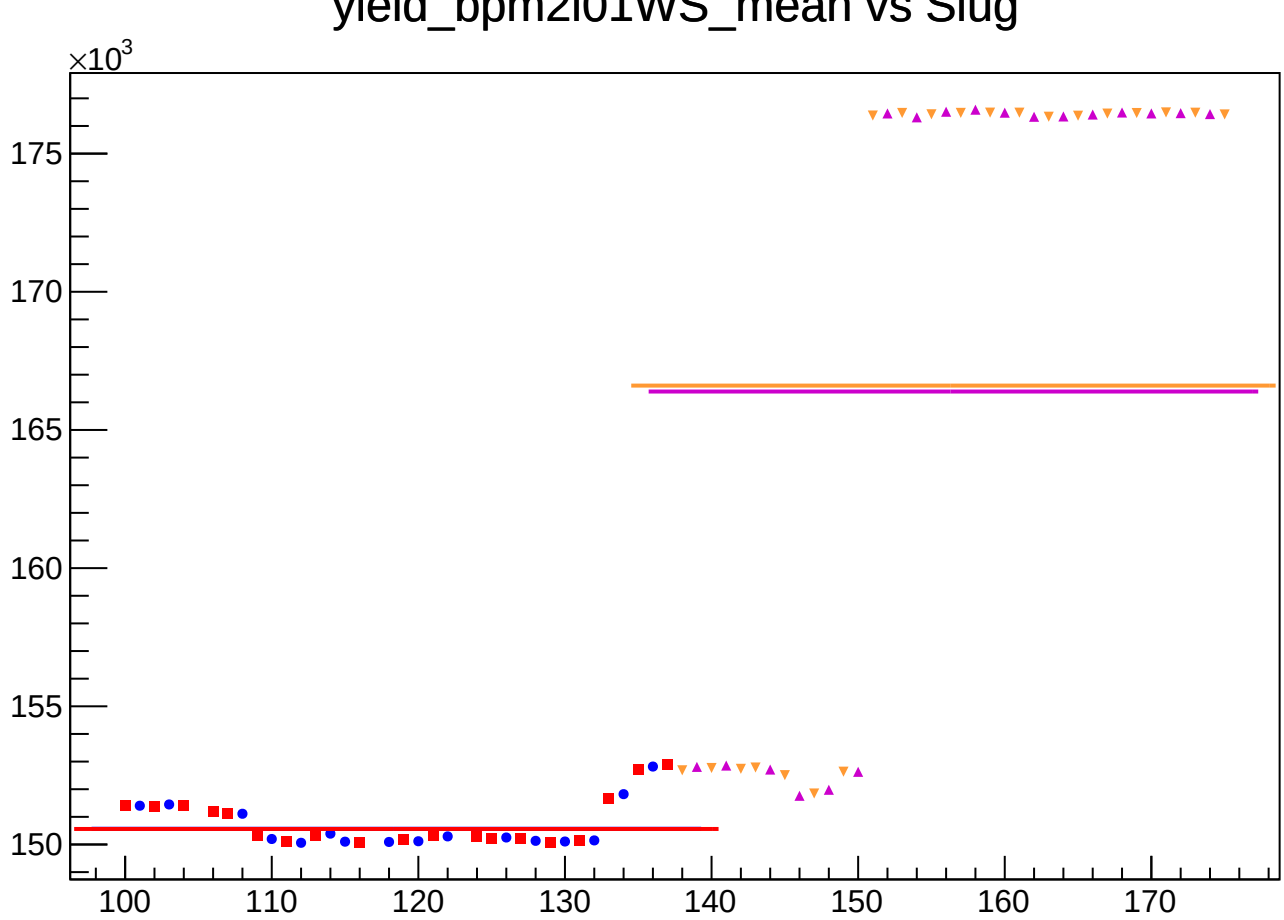
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 214.242+/-0.040 χ^2/NDF:335391.3/17

+ sign 188.672+/-0.029 χ^2/NDF: 2468058.4/35

All: 186.137+/-0.020 χ^2/NDF: 5516877.1/72

- sign 183.621+/-0.029 χ^2/NDF: 3033466.6/36



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166605.323+/-0.049 χ^2/NDF:57052671340.7719

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

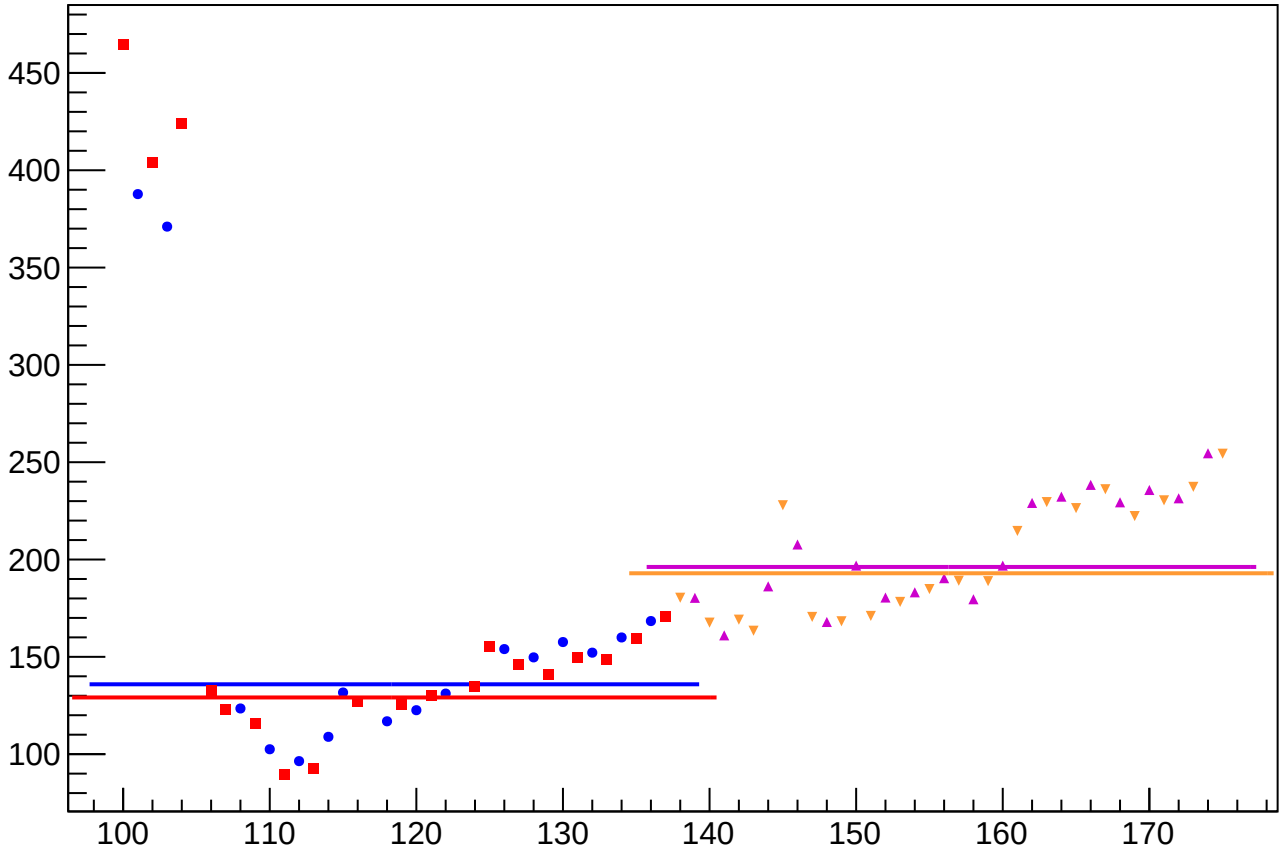
Left In: 166390.594+/-0.052 χ^2/NDF:52514370933.6/17

+ sign 159417.297+/-0.037 χ^2/NDF: 10487132901

All: 158893.635+/-0.026 χ^2/NDF: 20559370

- sign 158378.239+/-0.036 χ^2/NDF: 100315331396

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 192.936+/-0.035 χ^2/NDF:621758.8/19

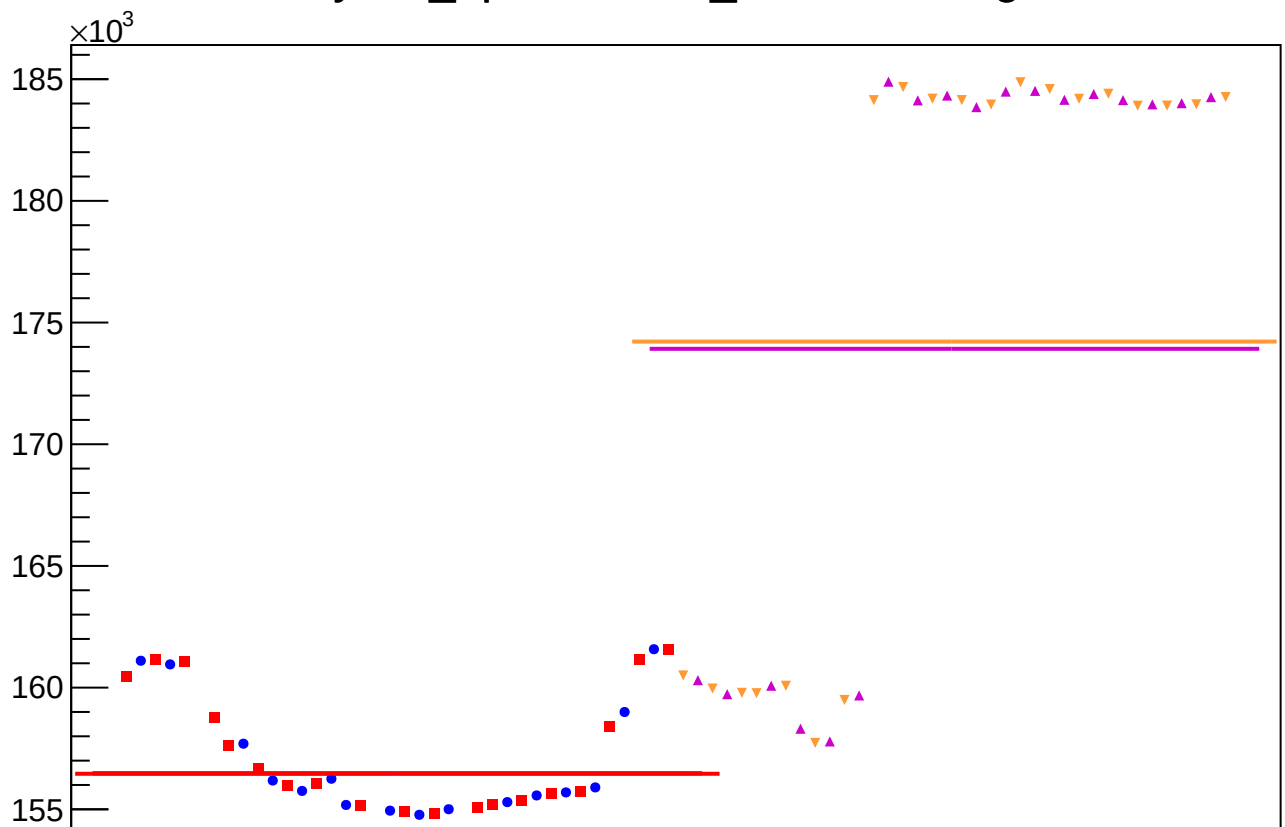
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 196.186+/-0.036 χ^2/NDF:497568.0/17

+ sign 167.369+/-0.026 χ^2/NDF: 3241996.7/35

All: 164.786+/-0.018 χ^2/NDF: 7082239.1/72

- sign 162.243+/-0.026 χ^2/NDF: 3820430.7/36



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 174218.097+/-0.051 χ^2/NDF:56947024446.7/19

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

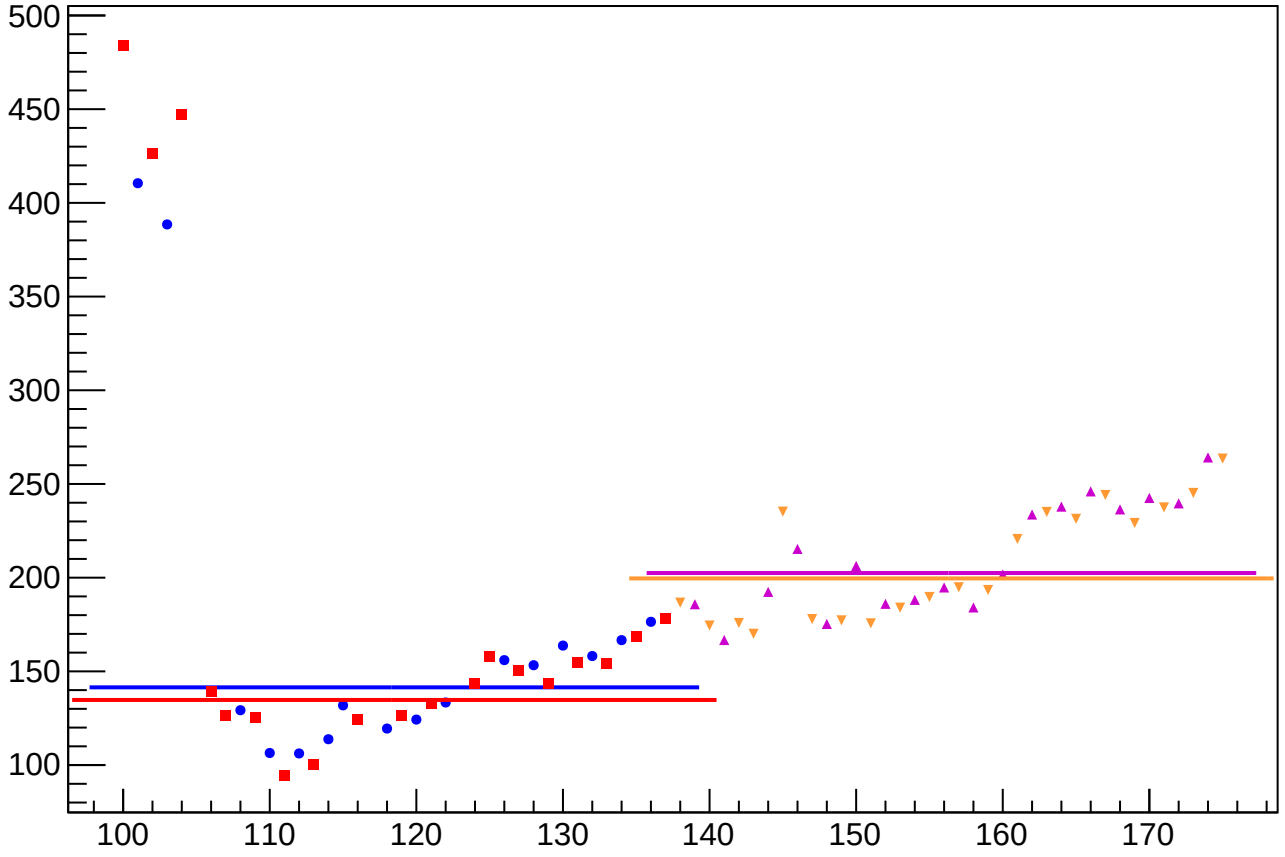
Left In: 173921.479+/-0.053 χ^2/NDF:53353626916.3/17

+ sign 166319.462+/-0.038 χ^2/NDF: 11232215820

All: 165739.062+/-0.027 χ^2/NDF: 2211081

- sign 165167.631+/-0.038 χ^2/NDF: 10832086850

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 199.597+/-0.036 χ^2/NDF:593110.5/19

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

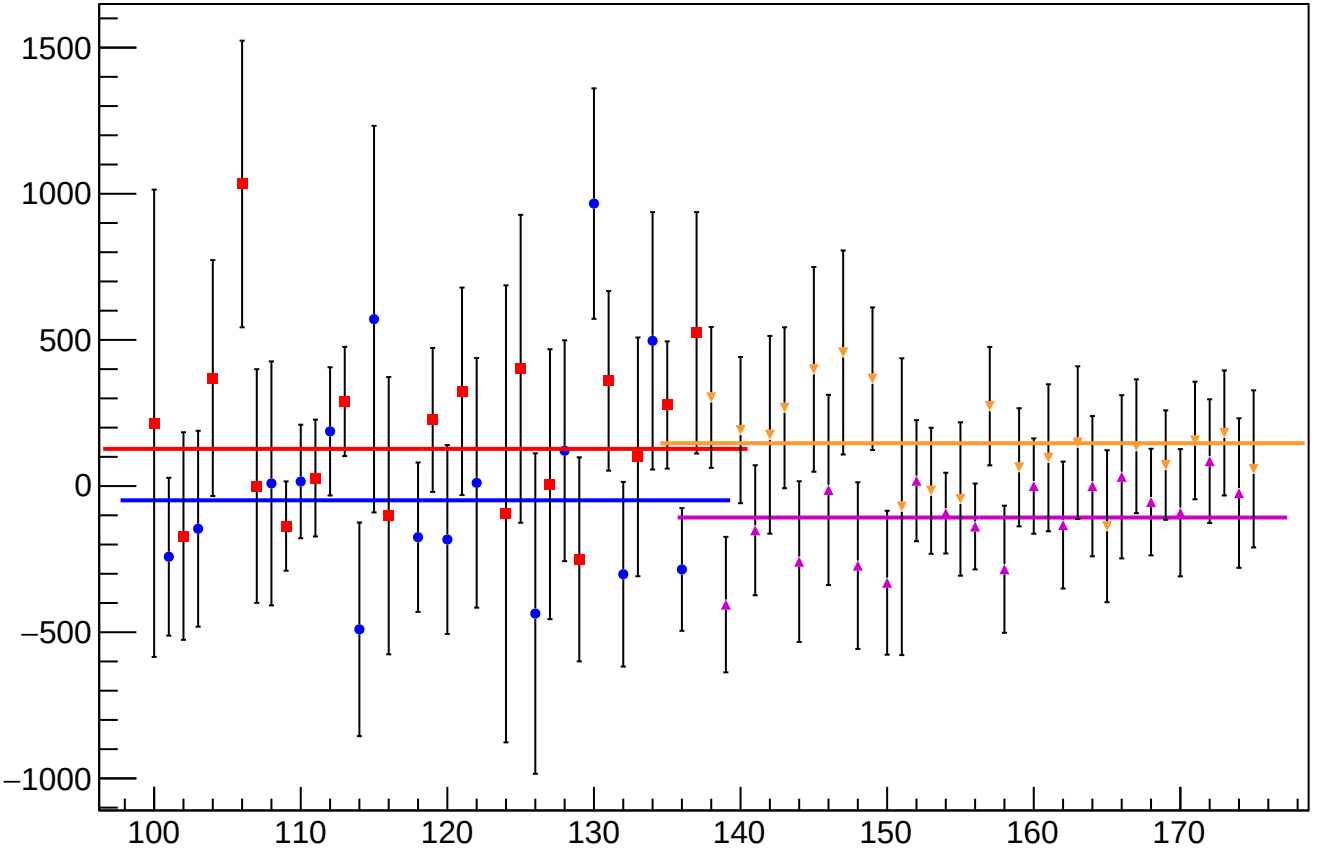
Left In: 202.486+/-0.038 χ^2/NDF:490054.3/17

+ sign 173.716+/-0.027 χ^2/NDF: 3146427.9/35

All: 171.101+/-0.019 χ^2/NDF: 6855903.6/72

- sign 168.525+/-0.027 χ^2/NDF: 3690581.2/36

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 146.703+/-55.010 χ^2/NDF:6.2/19

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

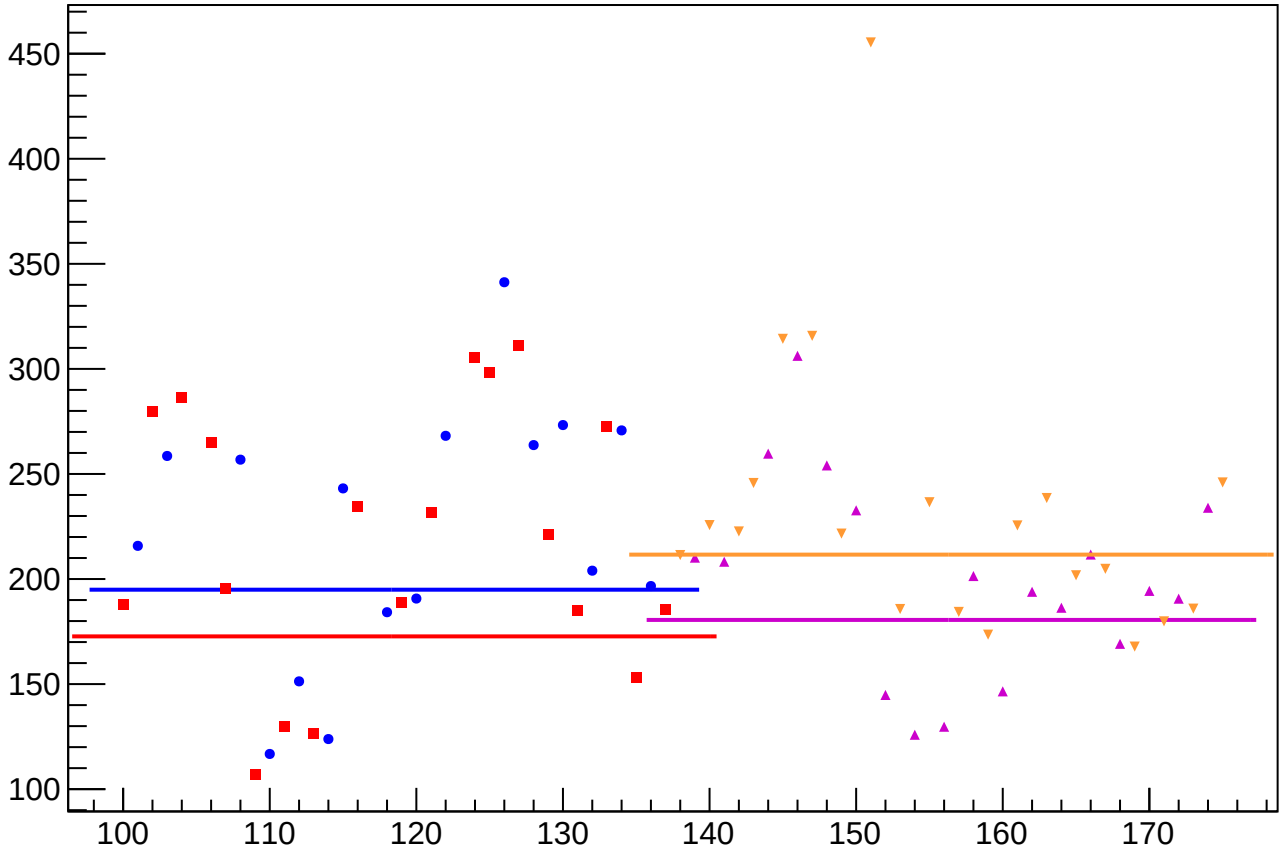
Left In: -107.582+/-49.308 χ^2/NDF:6.2/17

+ sign 80.190+/-44.680 χ^2/NDF: 25.9/35

All: 20.469+/-29.810 χ^2/NDF: 55.9/72

- sign -27.443+/-40.020 χ^2/NDF: 26.8/36

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 211.615+/-0.039 χ^2/NDF:1260472.2/19

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

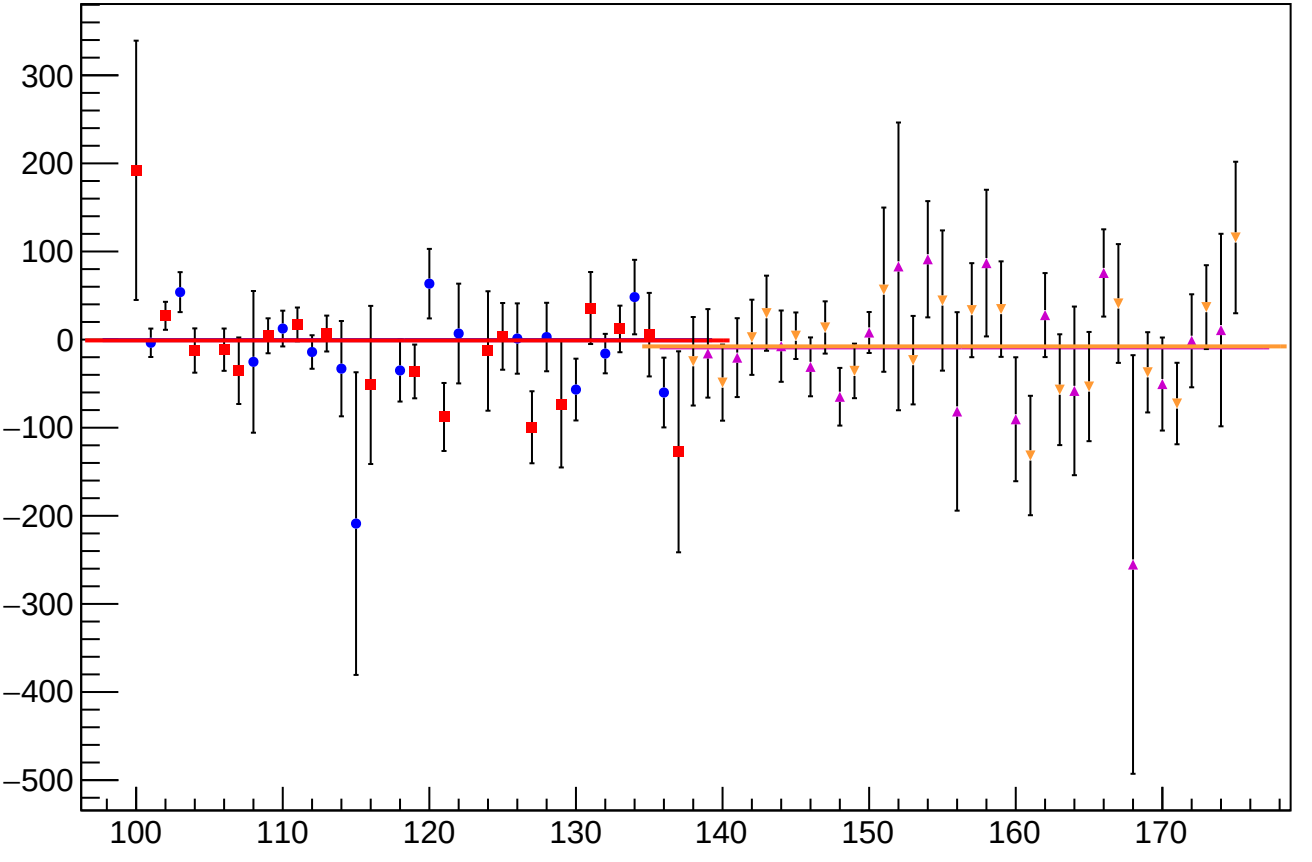
Left In: 180.540+/-0.035 χ^2/NDF:1608598.5/17

+ sign 205.934+/-0.032 χ^2/NDF: 2352040.3/35

All: 190.360+/-0.021 χ^2/NDF: 6047178.9/72

- sign 177.866+/-0.028 χ^2/NDF: 3257185.9/36

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -7.713+/-10.268 χ^2/NDF:15.9/19

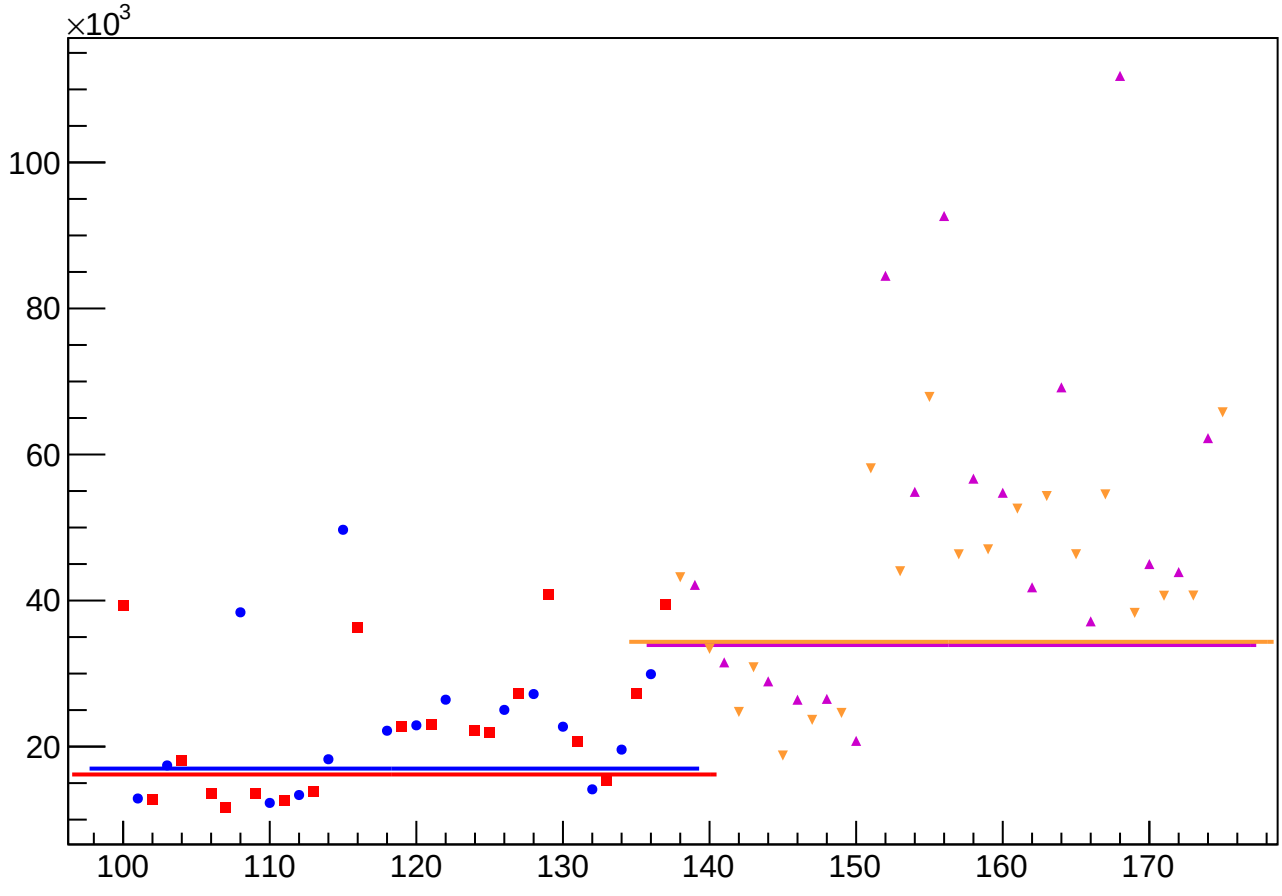
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: -8.866+/-11.430 χ^2/NDF:15.2/17

+ sign -3.022+/-5.971 χ^2/NDF: 35.1/35

All: -3.008+/-4.169 χ^2/NDF: 73.7/72

- sign -2.995+/-5.823 χ^2/NDF: 38.6/36



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 34349.199+/-7.261 χ^2/NDF:3055440.0/19

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

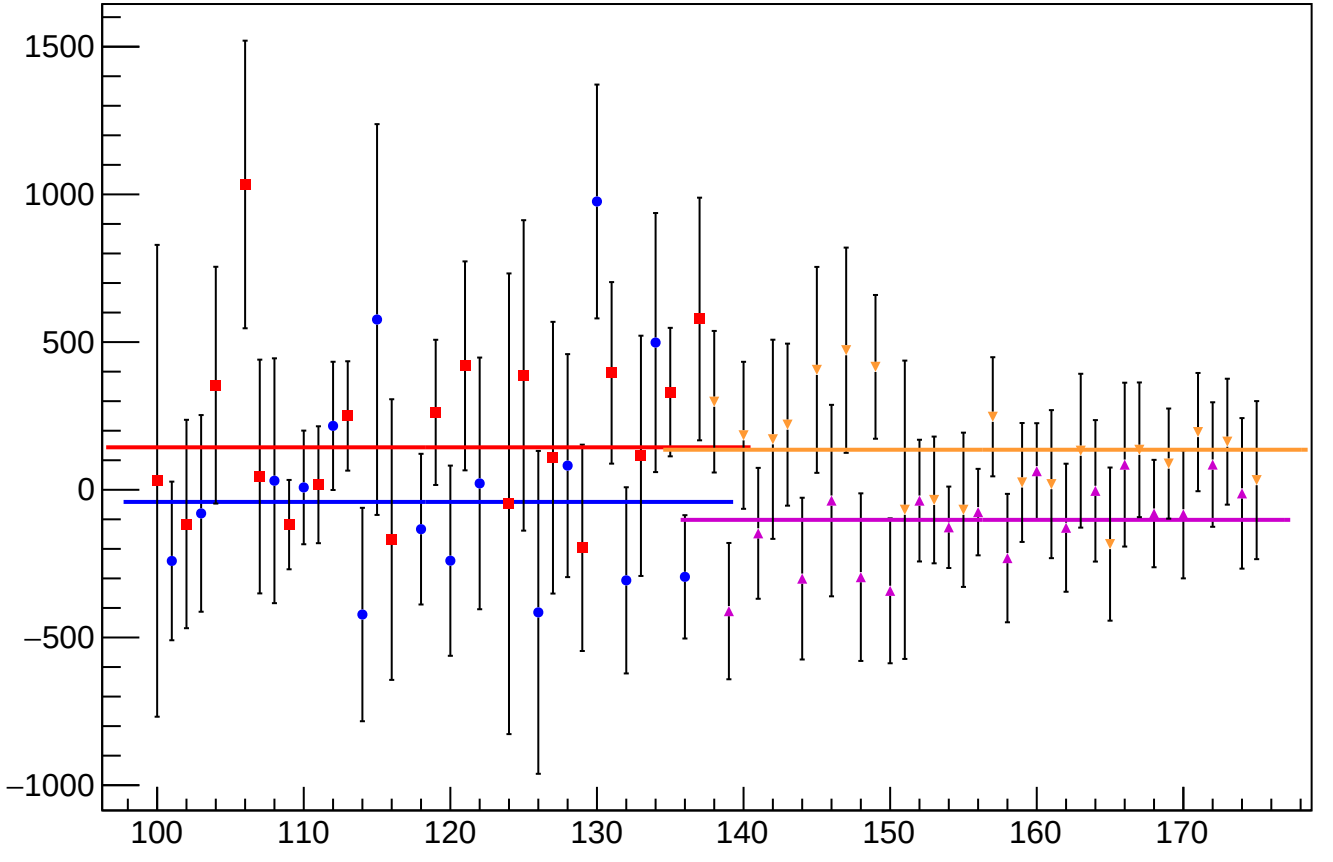
Left In: 33909.710+/-8.083 χ^2/NDF:3037084.0/17

+ sign 22858.605+/-4.222 χ^2/NDF: 8034183.1/35

All: 21794.538+/-2.948 χ^2/NDF: 16008841.1

- sign 20782.658+/-4.118 χ^2/NDF: 7850759.2/36

asym_bcm_an_ds_mean vs Slug



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 135.595+/-54.785 χ^2/NDF:7.5/19

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

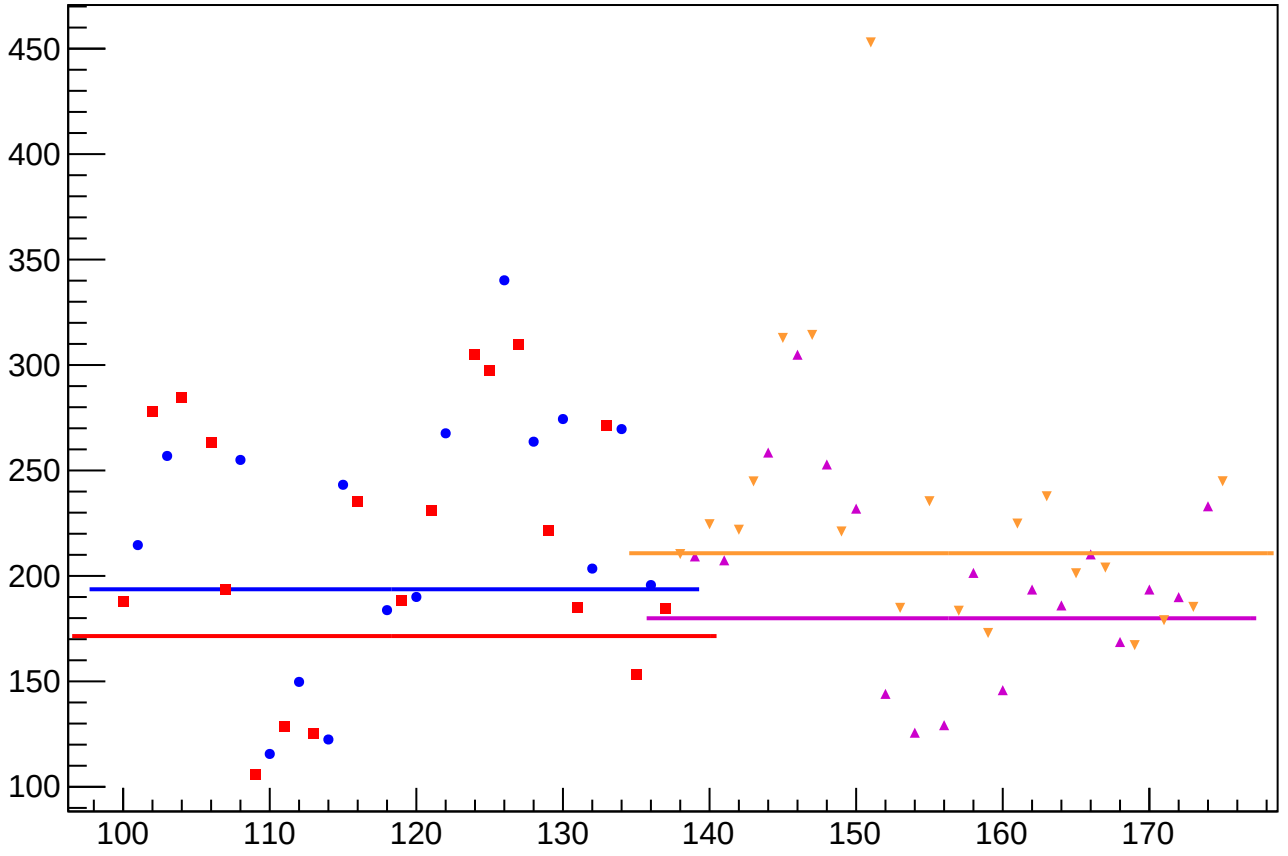
Left In: -101.759+/-49.134 χ^2/NDF:7.0/17

+ sign 75.356+/-44.473 χ^2/NDF: 26.5/35

All: 23.758+/-29.675 χ^2/NDF: 57.5/72

- sign -17.652+/-39.842 χ^2/NDF: 28.5/36

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 210.761+/-0.039 χ^2/NDF:1258983.6/19

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

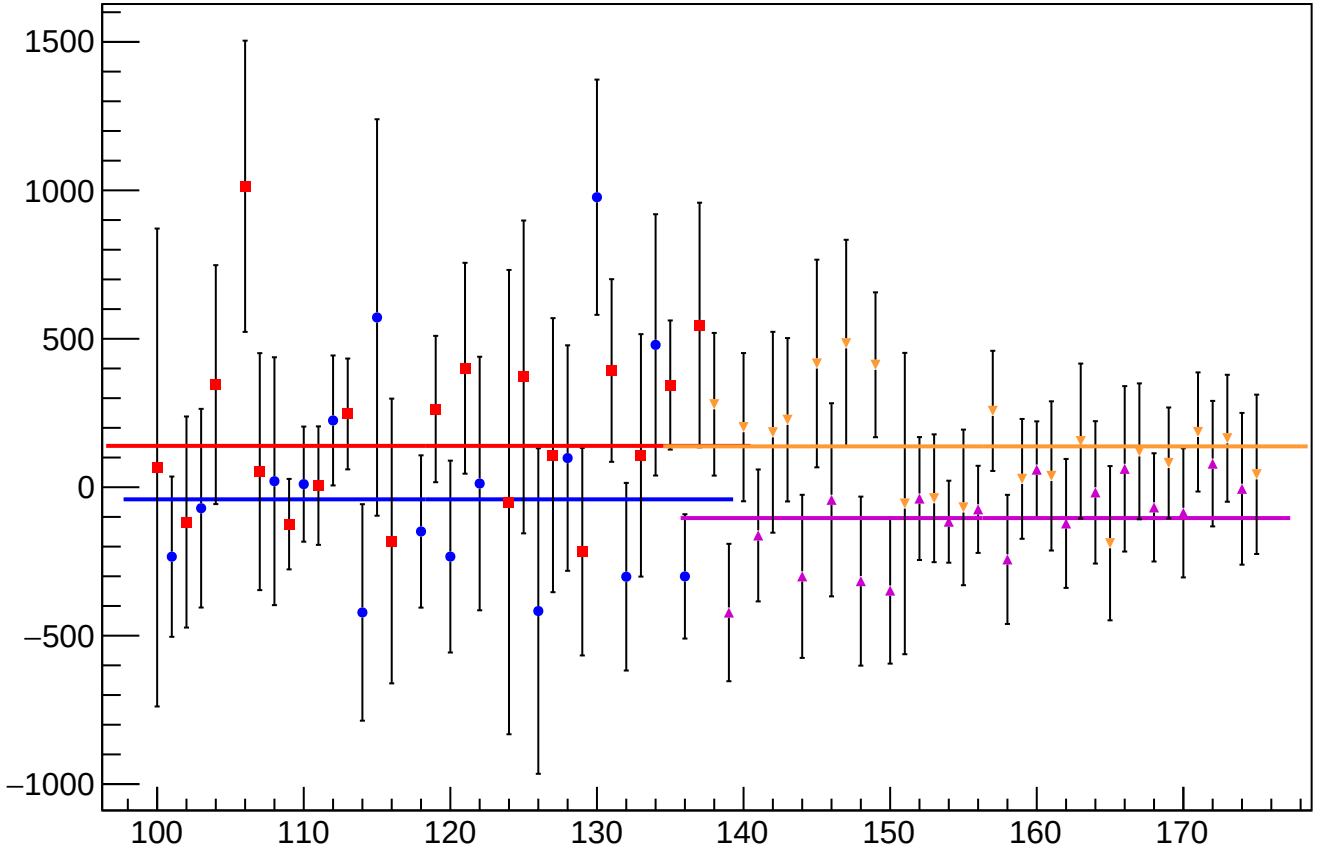
Left In: 179.922+/-0.035 χ^2/NDF:1605140.8/17

+ sign 204.933+/-0.031 χ^2/NDF: 2375129.4/35

All: 189.454+/-0.021 χ^2/NDF: 6090147.7/72

- sign 177.032+/-0.028 χ^2/NDF: 3278331.9/36

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 137.606+/-54.956 χ^2/NDF:7.5/19

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

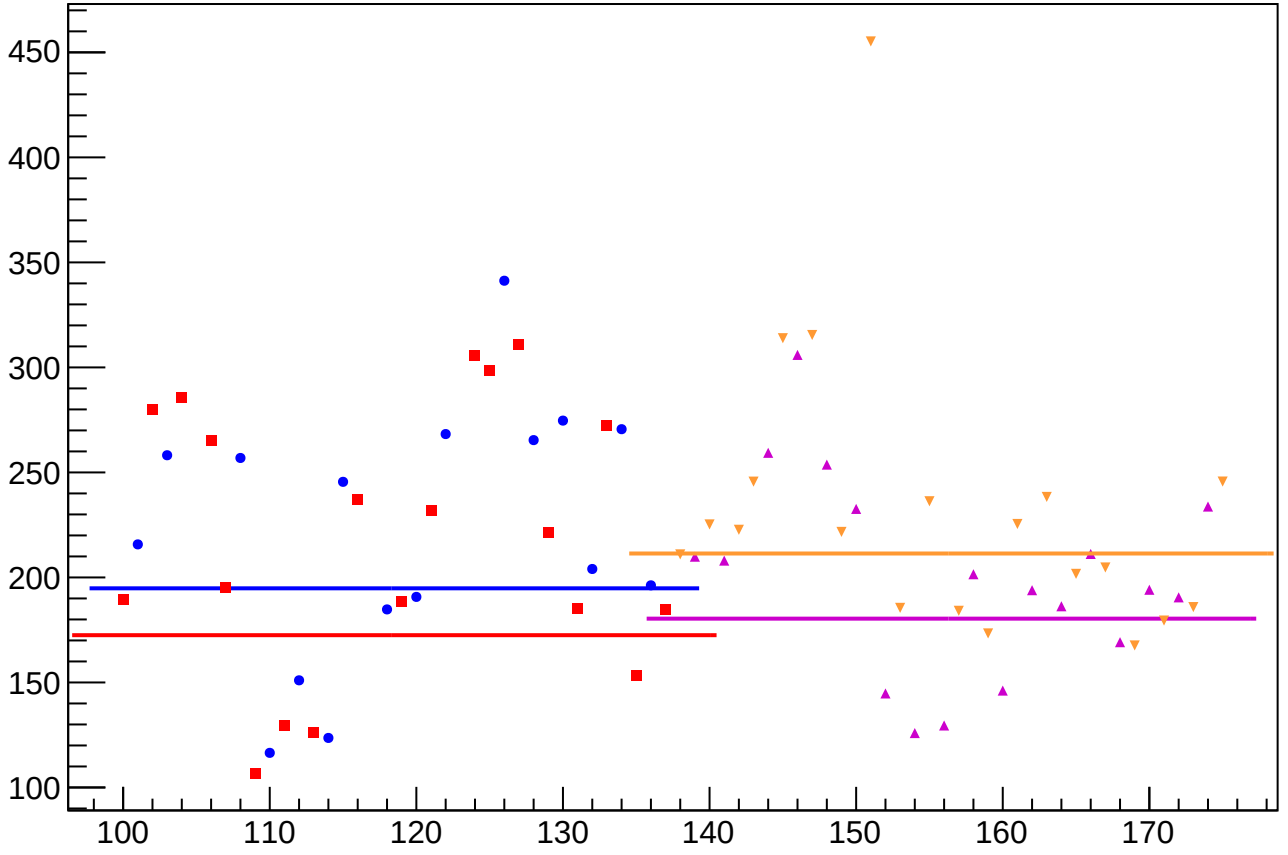
Left In: -103.890+/-49.265 χ^2/NDF:7.1/17

+ sign 76.960+/-44.648 χ^2/NDF: 26.5/35

All: 22.646+/-29.787 χ^2/NDF: 57.4/72

- sign -20.921+/-39.988 χ^2/NDF: 28.2/36

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 211.398+/-0.039 χ^2/NDF:1262012.7/19

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

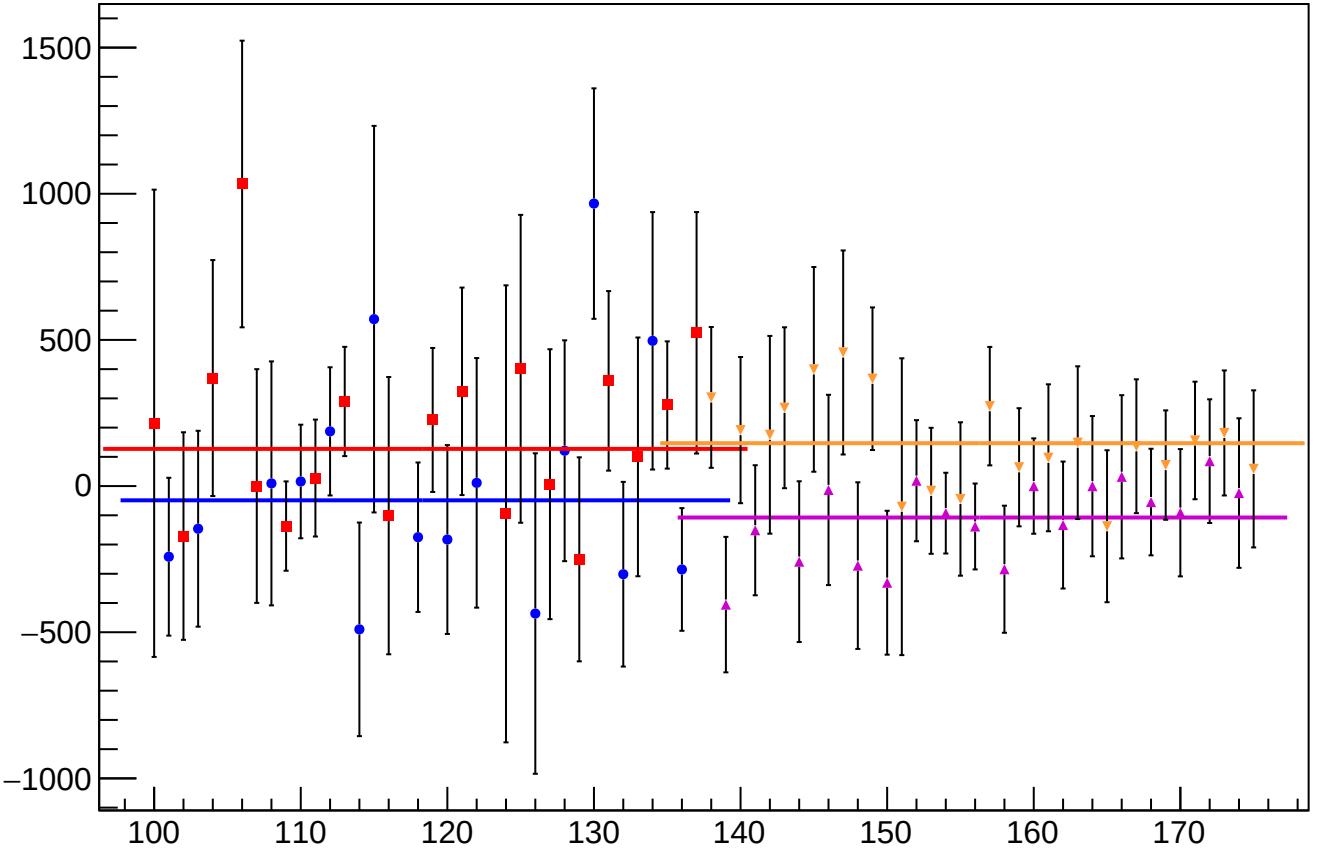
Left In: 180.382+/-0.035 χ^2/NDF:1608894.7/17

+ sign 205.762+/-0.032 χ^2/NDF: 2362979.6/35

All: 190.188+/-0.021 χ^2/NDF: 6069930.9/72

- sign 177.695+/-0.028 χ^2/NDF: 3268391.3/36

asym_bcm_an_us_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 146.703+/-55.010 χ^2/NDF:6.2/19

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

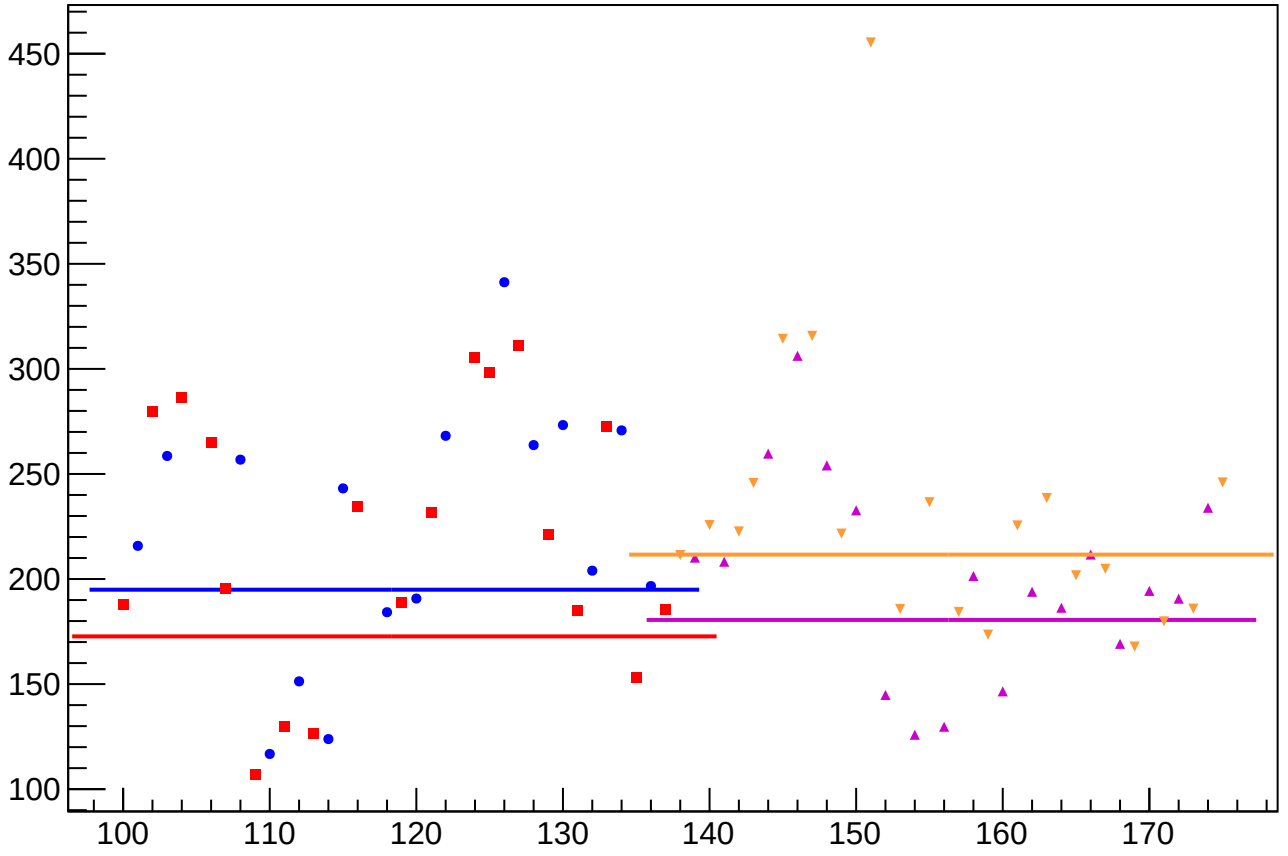
Left In: -107.582+/-49.308 χ^2/NDF:6.2/17

+ sign 80.190+/-44.680 χ^2/NDF: 25.9/35

All: 20.469+/-29.810 χ^2/NDF: 55.9/72

- sign -27.443+/-40.020 χ^2/NDF: 26.8/36

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 211.615+/-0.039 χ^2/NDF:1260472.2/19

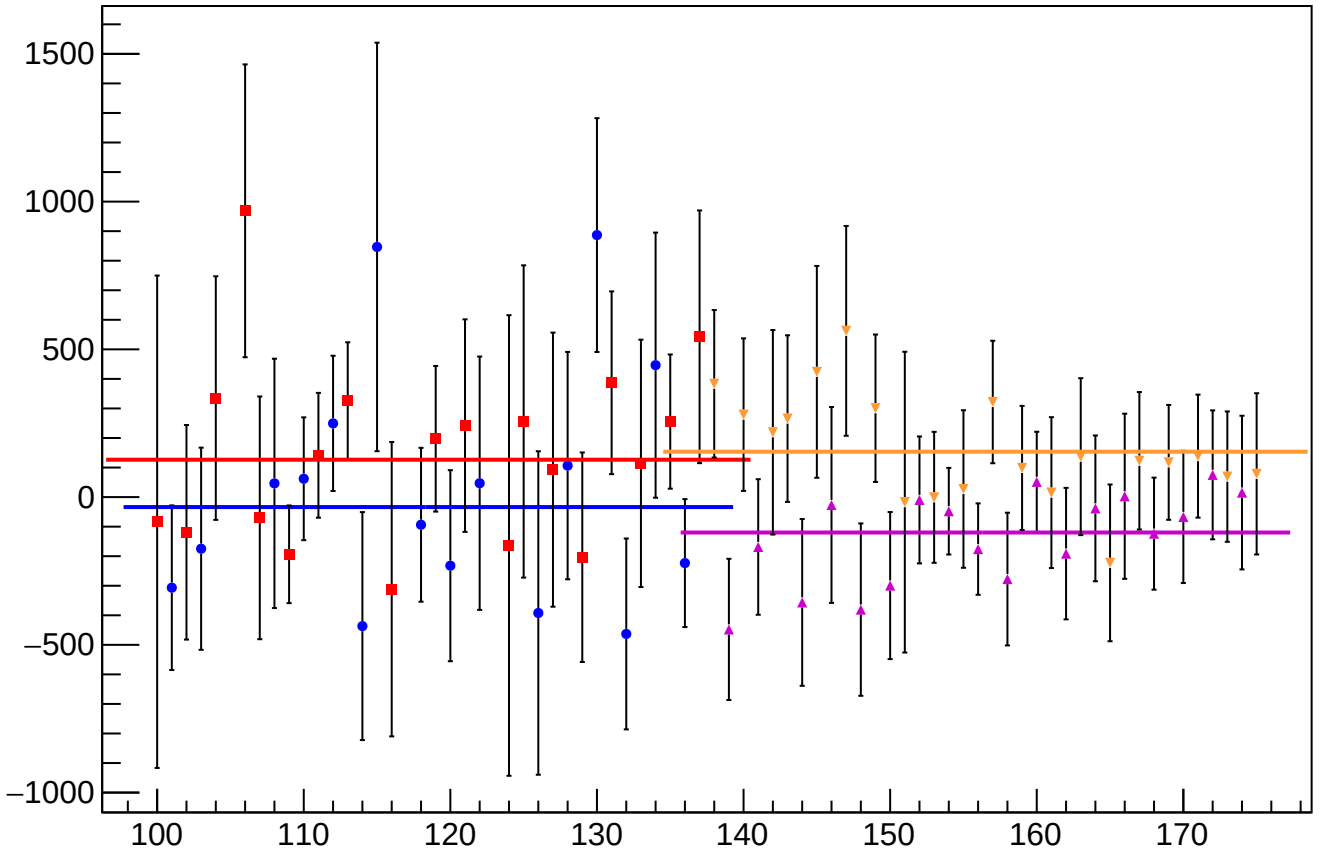
Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 180.540+/-0.035 χ^2/NDF:1608598.5/17

+ sign 205.934+/-0.032 χ^2/NDF: 2352040.3/35

All: 190.360+/-0.021 χ^2/NDF: 6047178.9/72

- sign 177.866+/-0.028 χ^2/NDF: 3257185.9/36



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 153.686+/-56.450 χ^2/NDF:7.7/19

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

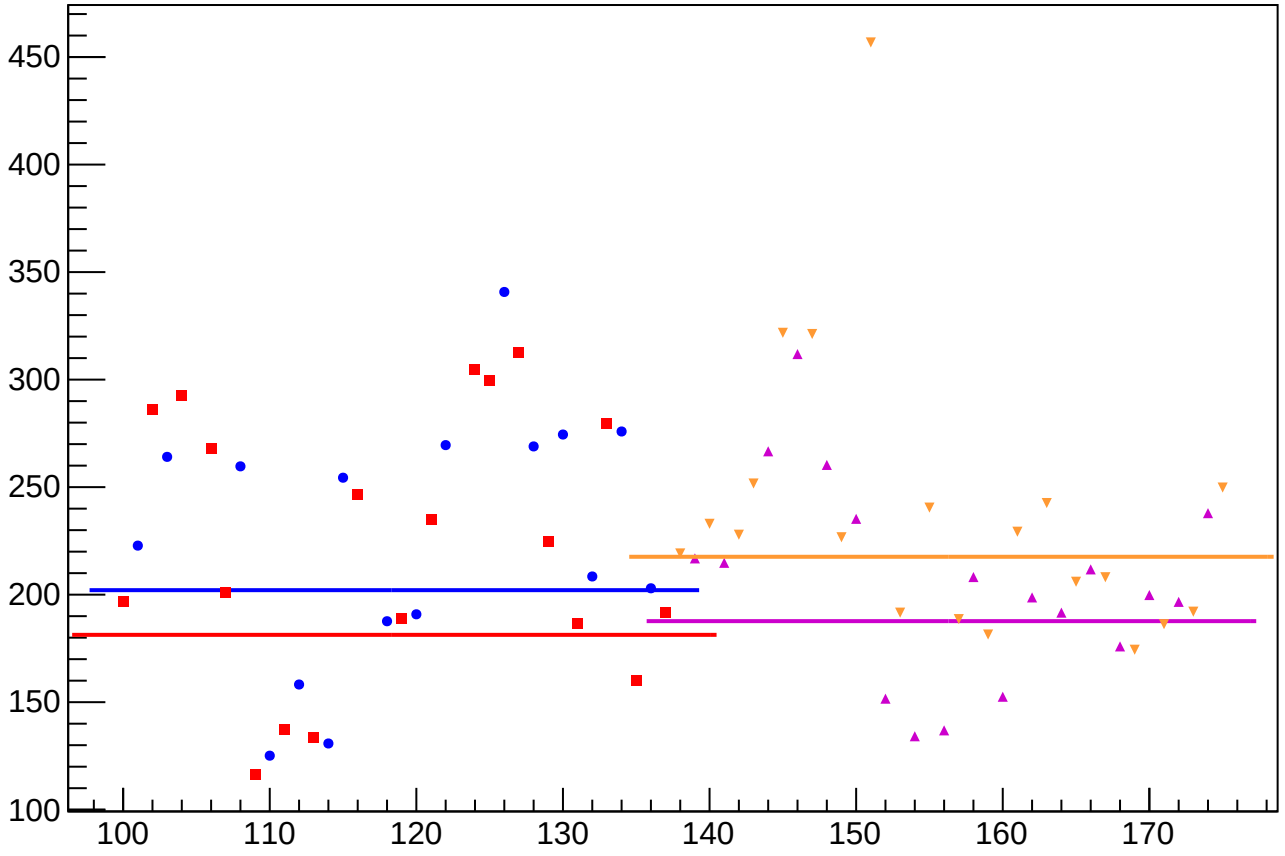
Left In: -119.853+/-51.046 χ^2/NDF:7.7/17

+ sign 90.333+/-45.929 χ^2/NDF: 27.1/35

All: 20.595+/-30.795 χ^2/NDF: 59.6/72

- sign -36.364+/-41.507 χ^2/NDF: 28.3/36

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 217.617+/-0.040 χ^2/NDF:1190245.0/19

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

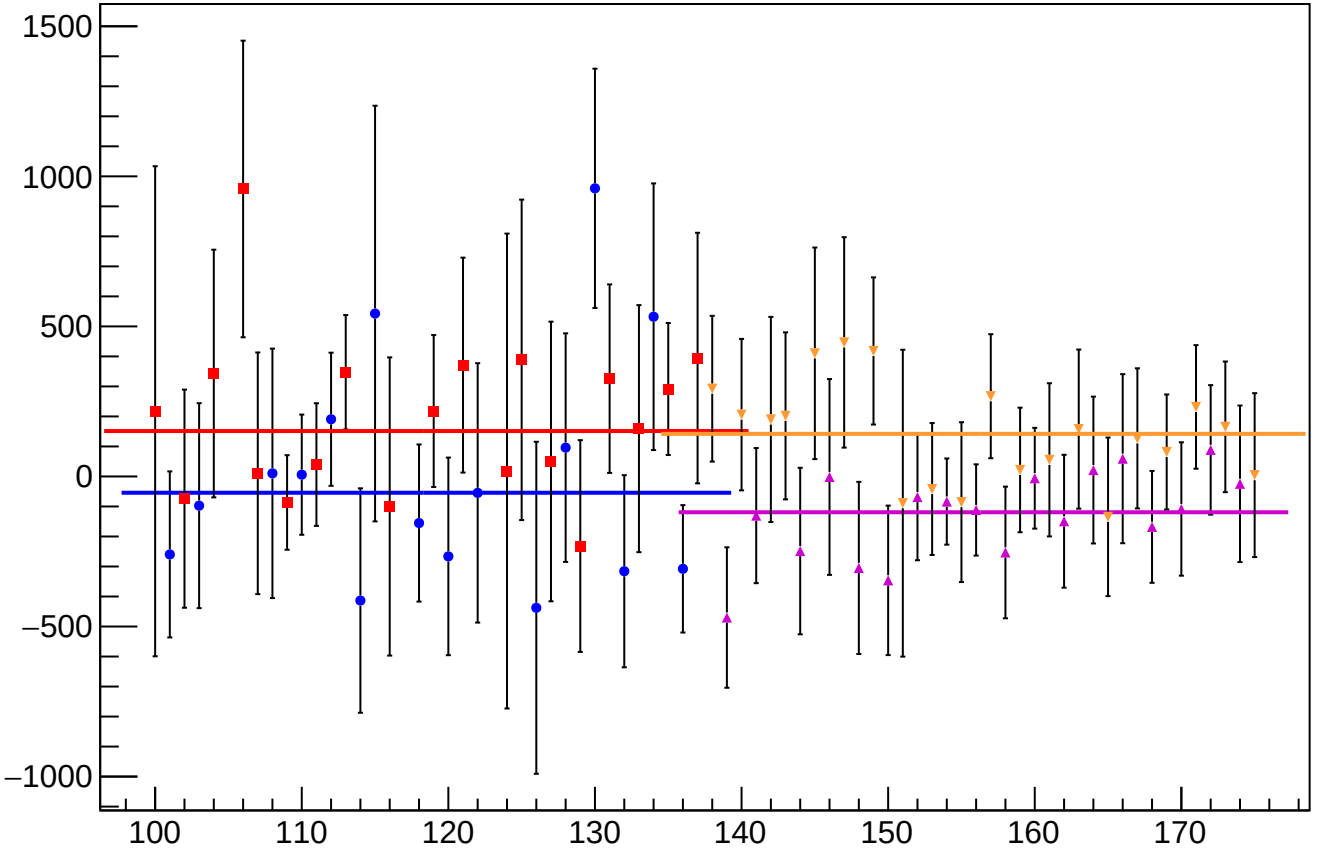
Left In: 187.687+/-0.036 χ^2/NDF:1445843.0/17

+ sign 212.369+/-0.032 χ^2/NDF: 2151653.2/35

All: 197.594+/-0.022 χ^2/NDF: 5425044.3/72

- sign 185.527+/-0.029 χ^2/NDF: 2897401.1/36

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 141.992+/-55.911 χ^2/NDF:7.2/19

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

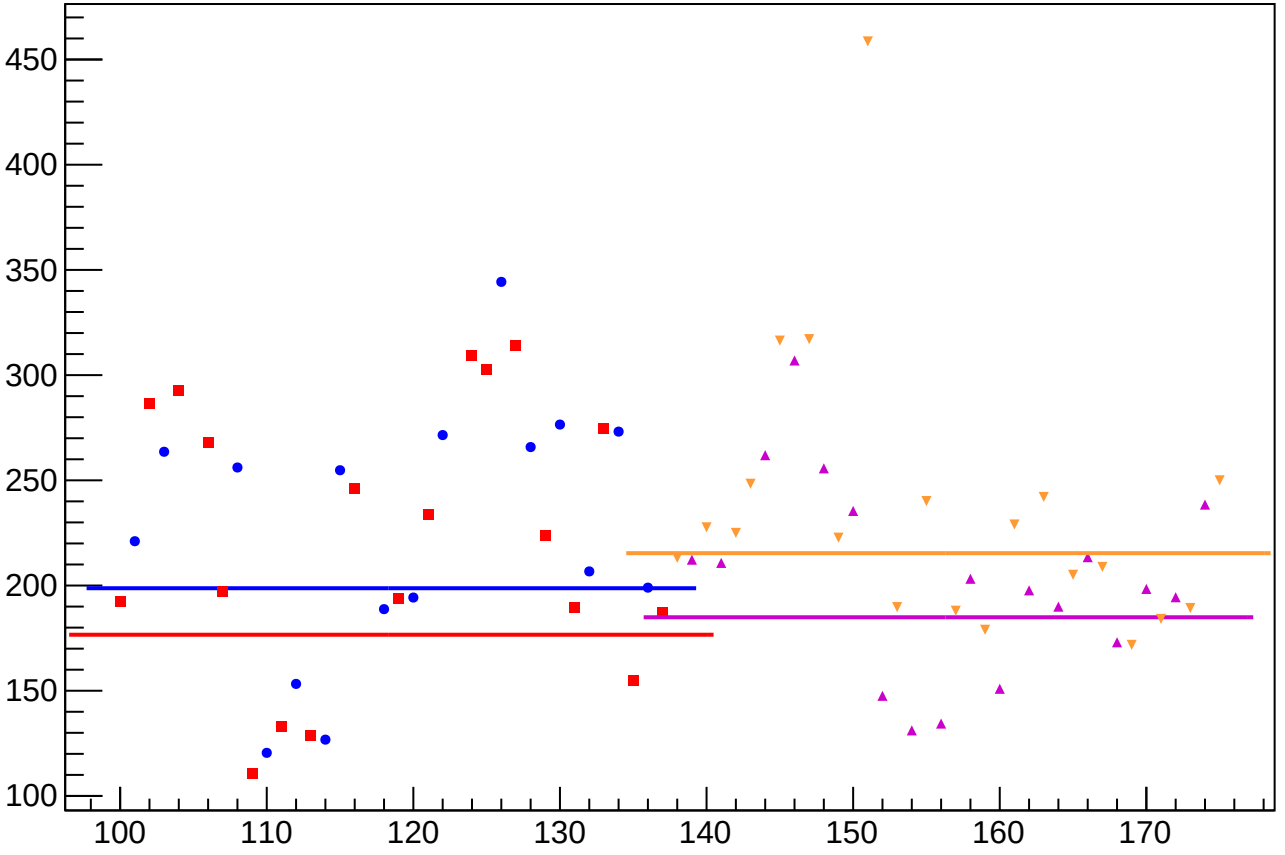
Left In: -119.275+/-50.367 χ^2/NDF:6.7/17

+ sign 75.321+/-45.432 χ^2/NDF: 26.5/35

All: 18.879+/-30.382 χ^2/NDF: 56.1/72

- sign -26.785+/-40.864 χ^2/NDF: 26.8/36

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 215.384+/-0.040 χ^2/NDF:1203764.7/19

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

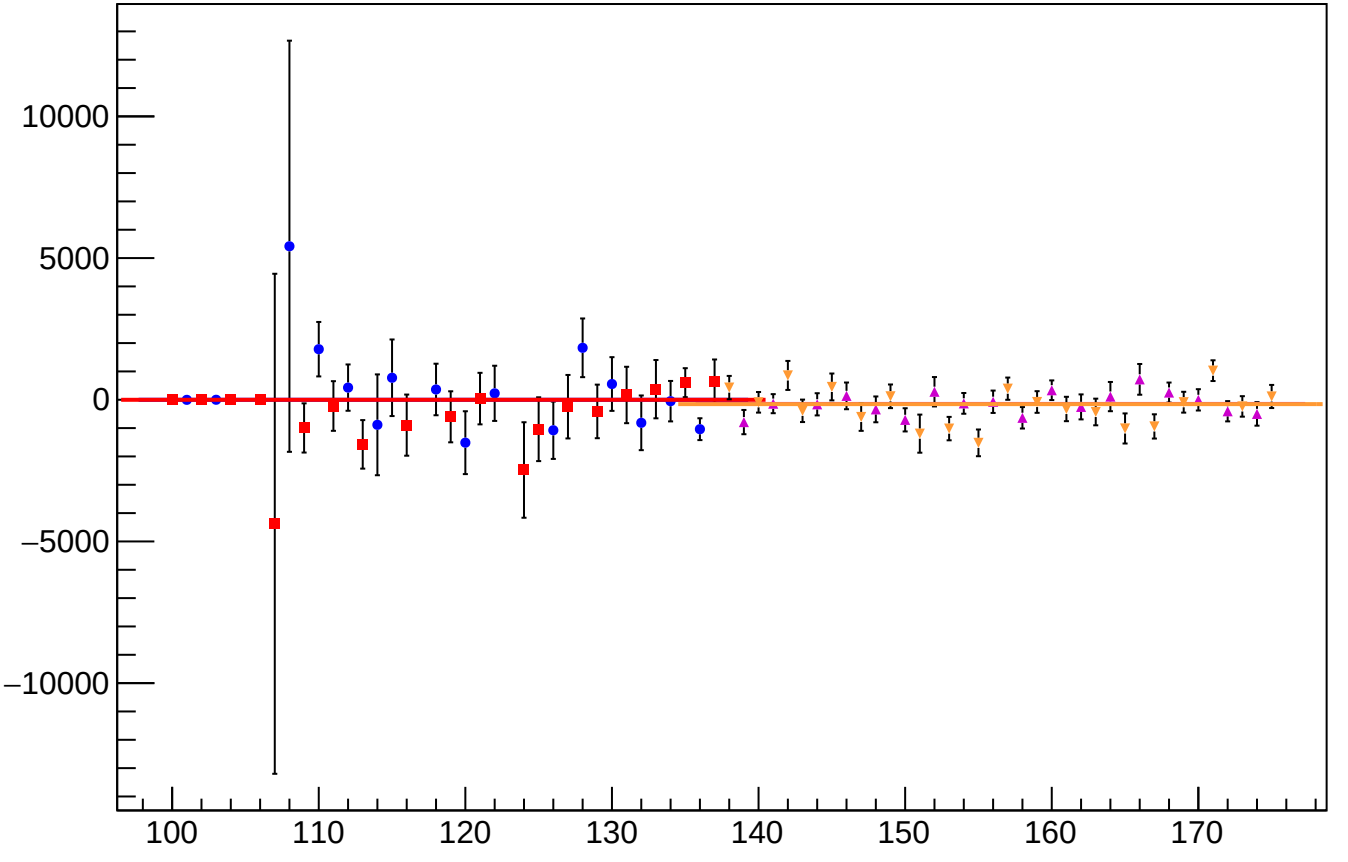
Left In: 184.923+/-0.036 χ^2/NDF:1483773.2/17

+ sign 209.722+/-0.032 χ^2/NDF: 2258202.2/35

All: 194.446+/-0.021 χ^2/NDF: 5765344.7/72

- sign 182.086+/-0.029 χ^2/NDF: 3098052.4/36

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -153.710+/-94.749 χ^2/NDF:43.8/19

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

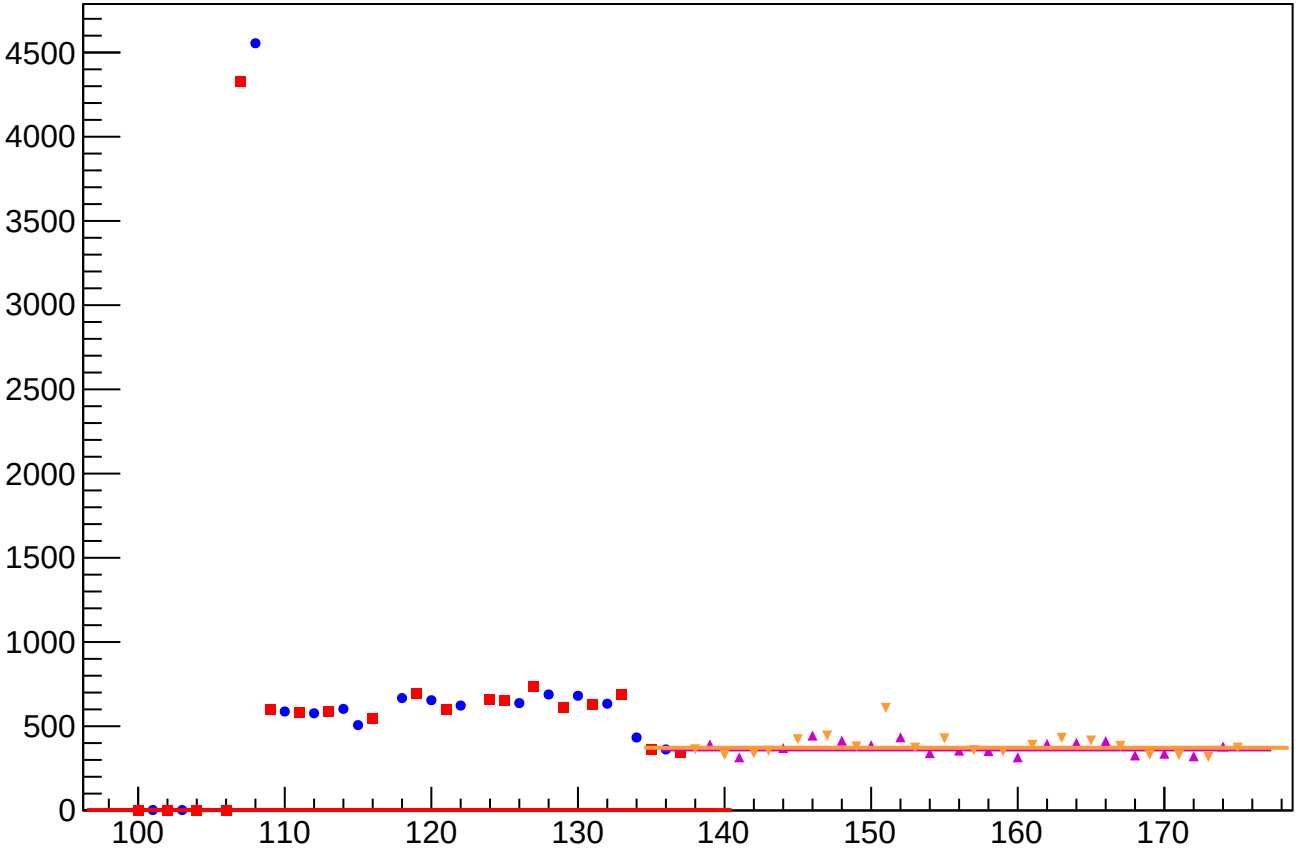
Left In: -147.800+/-95.326 χ^2/NDF:14.6/17

+ sign -1.319+/-2.170 χ^2/NDF: 66.3/35

All: -1.385+/-1.479 χ^2/NDF: 100.1/72

- sign -1.443+/-2.022 χ^2/NDF: 33.8/36

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 372.150+/-0.067 χ^2/NDF:542361.5/19

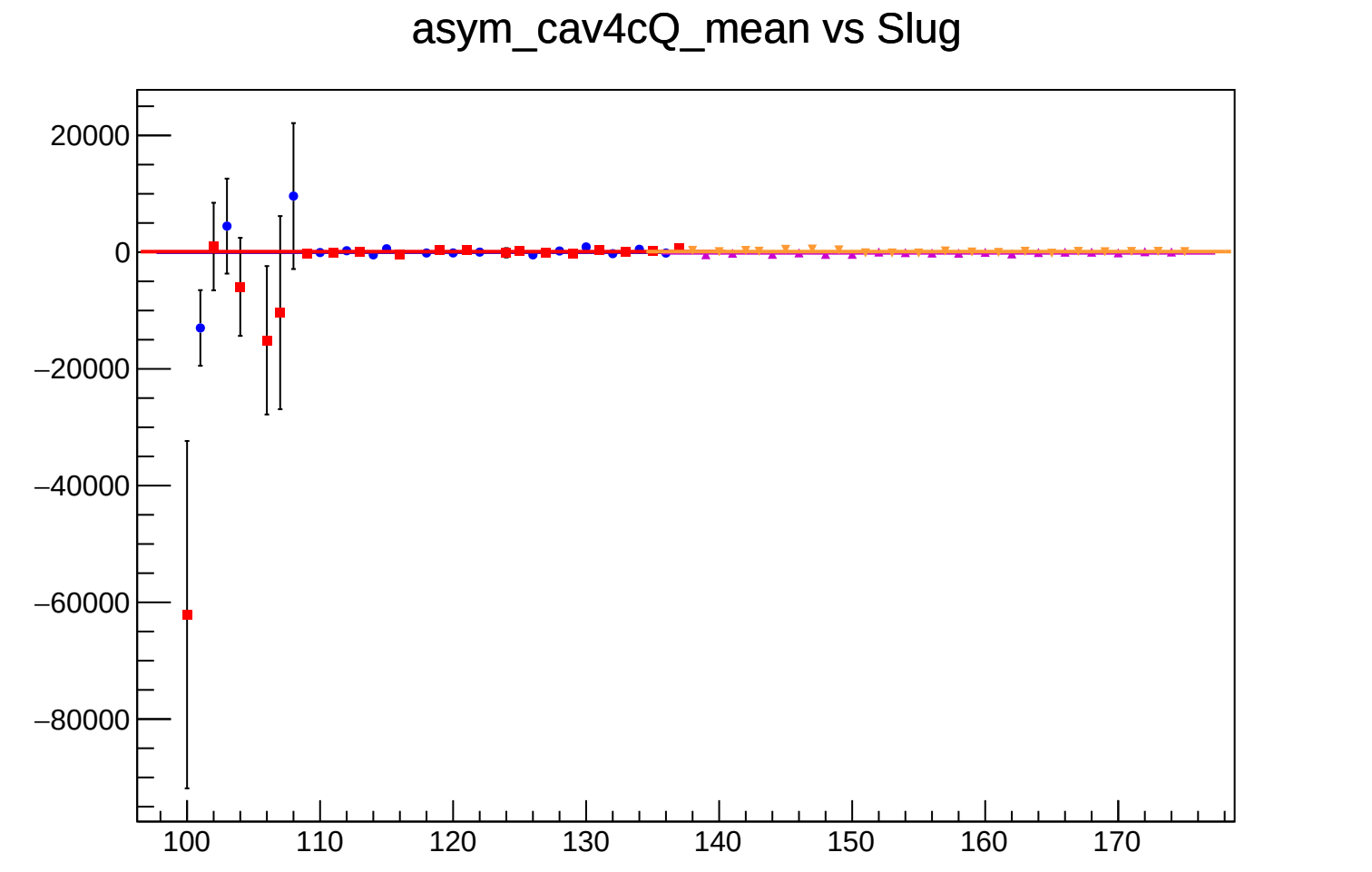
Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 362.211+/-0.067 χ^2/NDF:325410.0/17

+ sign 2.671+/-0.002 χ^2/NDF: 42597647.4/35

All: 2.646+/-0.001 χ^2/NDF: 82940580.0/72

- sign 2.624+/-0.001 χ^2/NDF: 40342438.3/36



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 100.206+/-58.371 χ^2/NDF:8.3/19

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

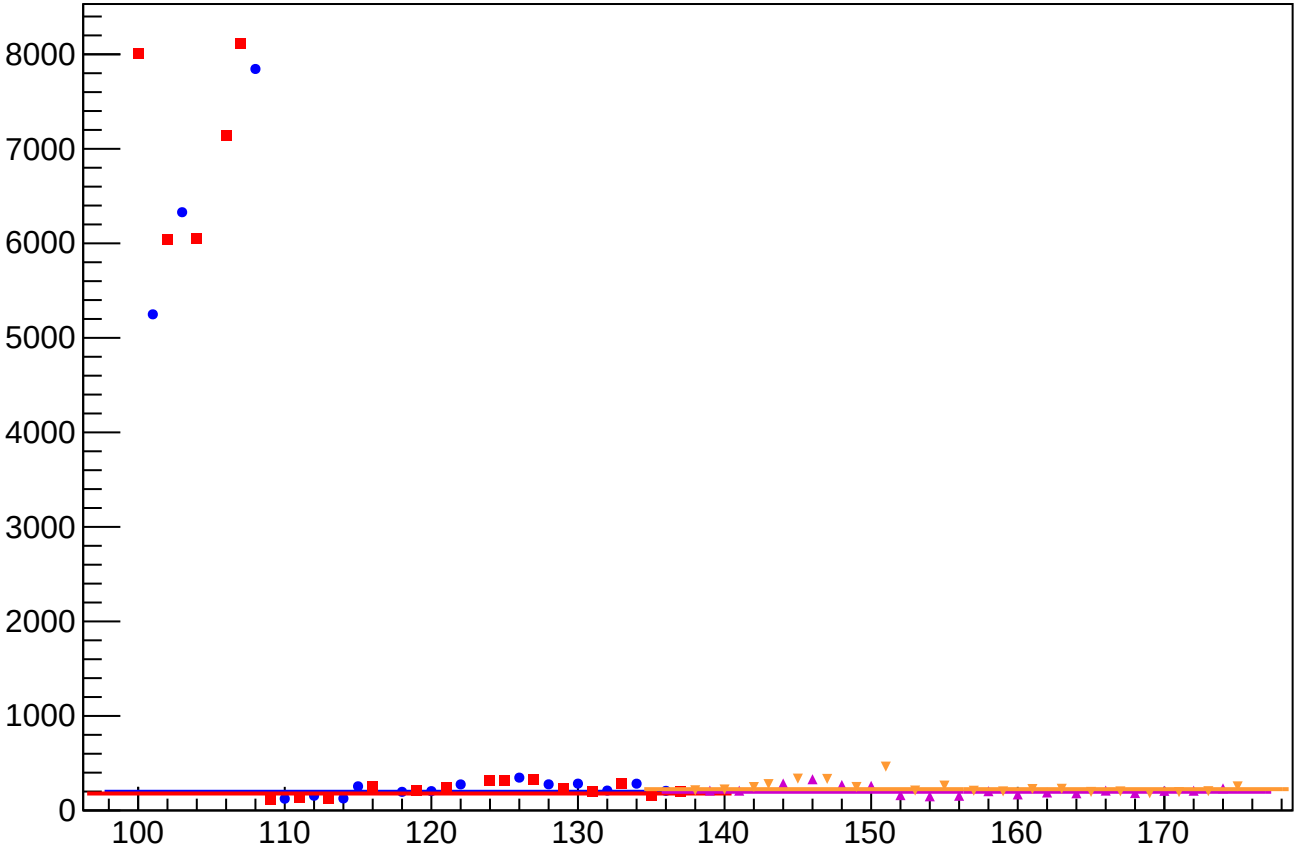
Left In: -115.826+/-53.408 χ^2/NDF:7.2/17

+ sign 69.679+/-48.613 χ^2/NDF: 26.1/35

All: 2.280+/-32.899 χ^2/NDF: 56.0/72

- sign -54.675+/-44.688 χ^2/NDF: 26.4/36

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 225.340+/-0.041 χ^2/NDF:1162245.7/19

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

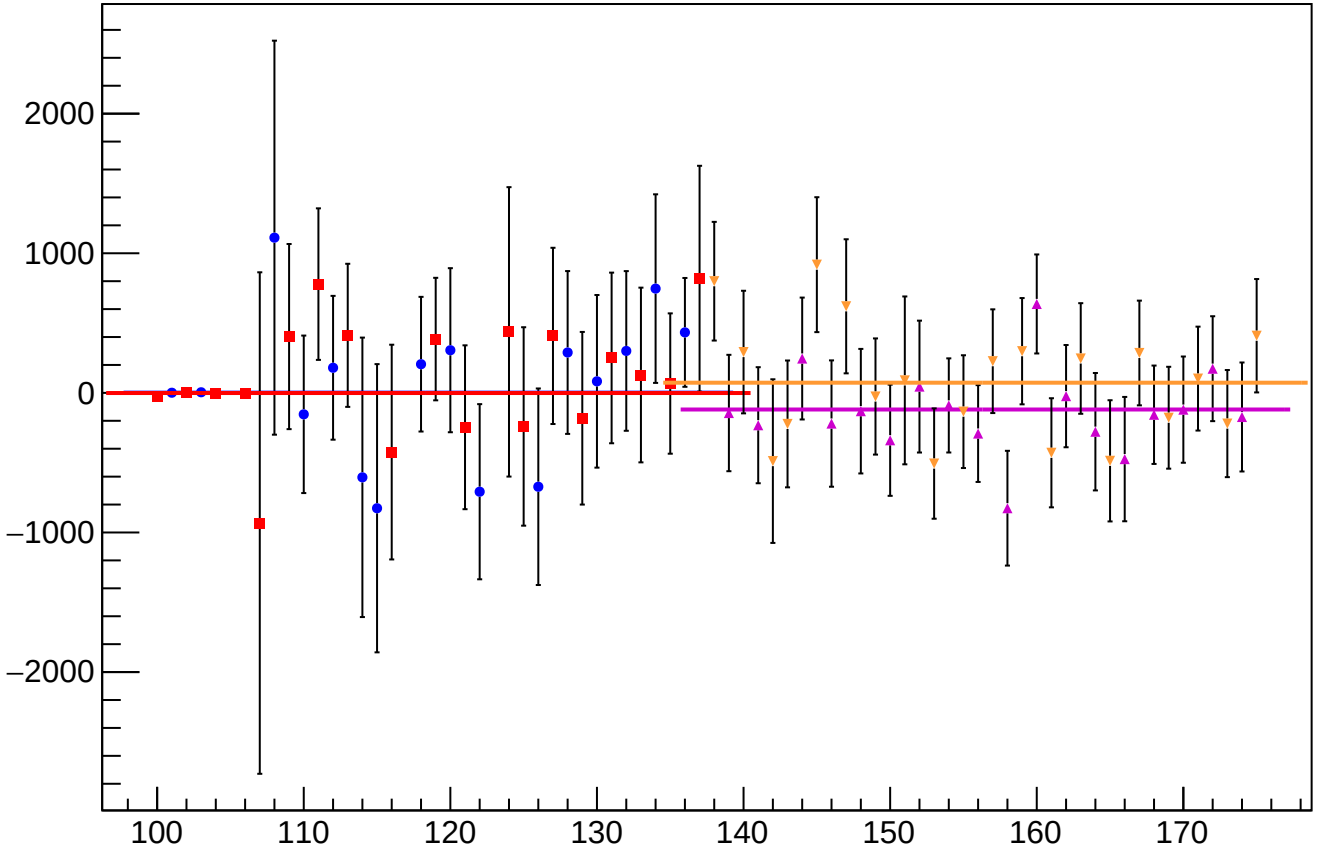
Left In: 197.647+/-0.038 χ^2/NDF:1136807.3/17

+ sign 216.846+/-0.034 χ^2/NDF: 5257643.4/35

All: 203.450+/-0.023 χ^2/NDF: 11164254.5/72

- sign 192.130+/-0.032 χ^2/NDF: 5626396.3/36

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 72.849+/-93.149 χ^2/NDF:17.4/19

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

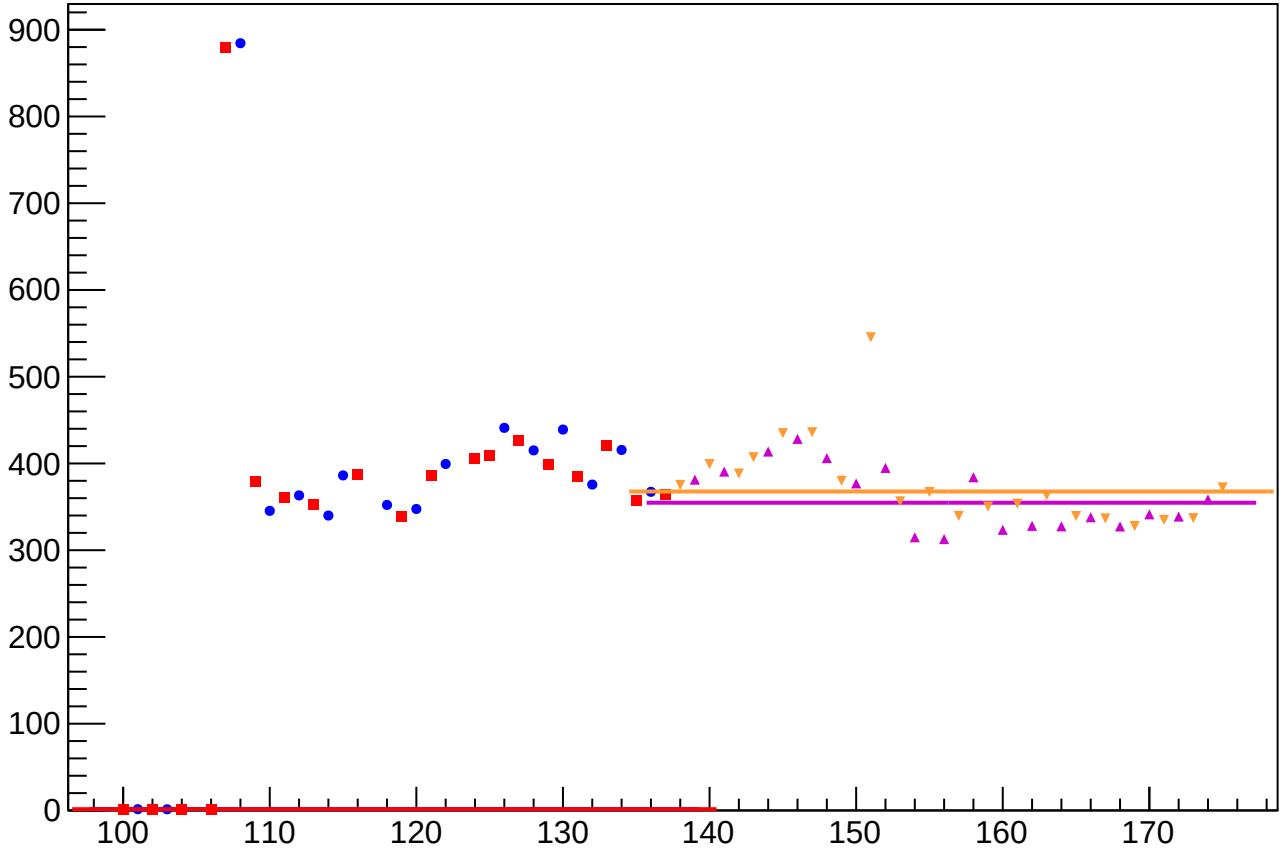
Left In: -119.122+/-93.152 χ^2/NDF:10.5/17

+ sign 1.478+/-1.660 χ^2/NDF: 25.9/35

All: 0.069+/-1.124 χ^2/NDF: 48.5/72

- sign -1.125+/-1.528 χ^2/NDF: 21.3/36

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 367.678+/-0.066 χ^2/NDF:379118.7/19

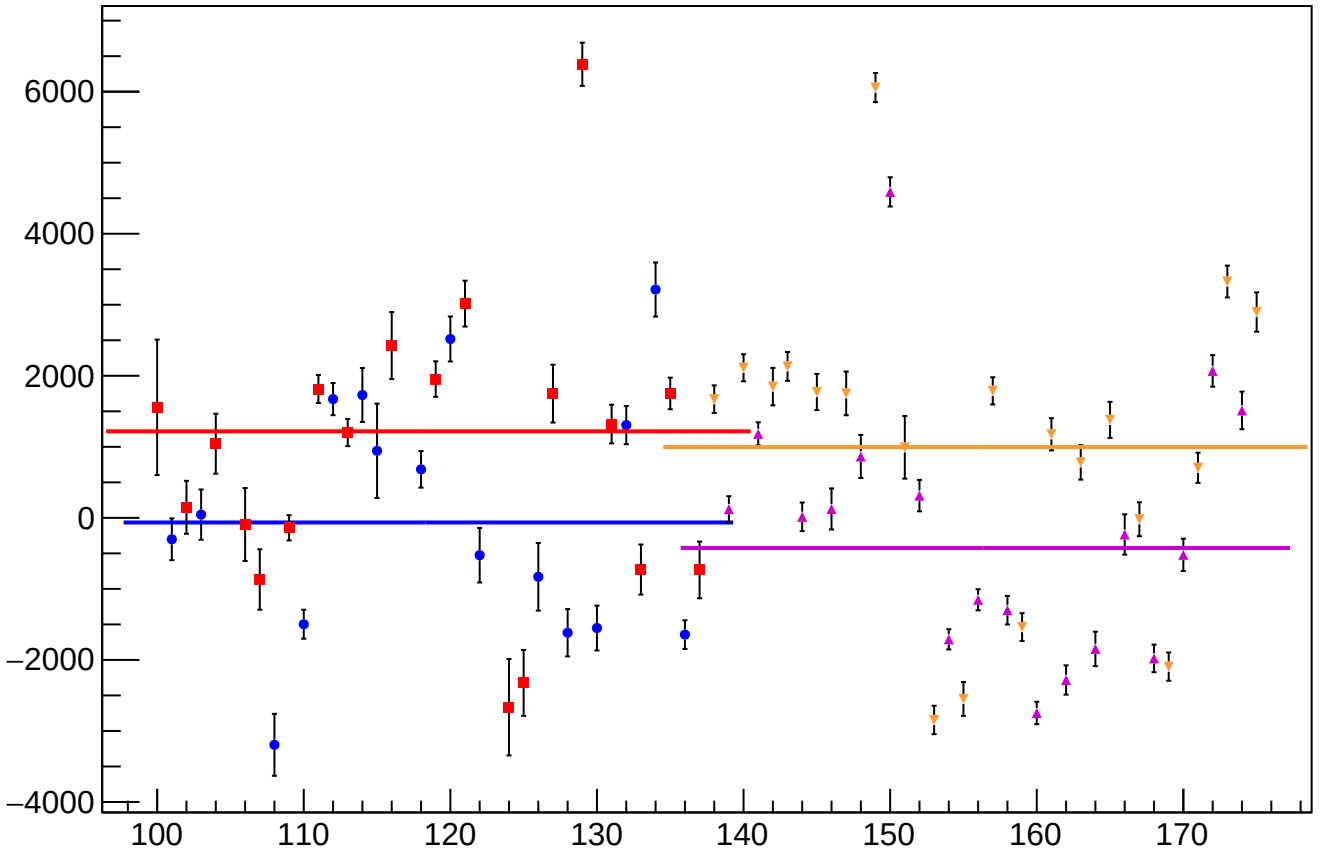
Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 354.751+/-0.066 χ^2/NDF:282771.1/17

+ sign 1.586+/-0.001 χ^2/NDF: 43016796.8/35

All: 1.573+/-0.001 χ^2/NDF: 83329274.6/72

- sign 1.562+/-0.001 χ^2/NDF: 40312245.3/36



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 996.842+/-50.436 χ^2/NDF:1906.3/19

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

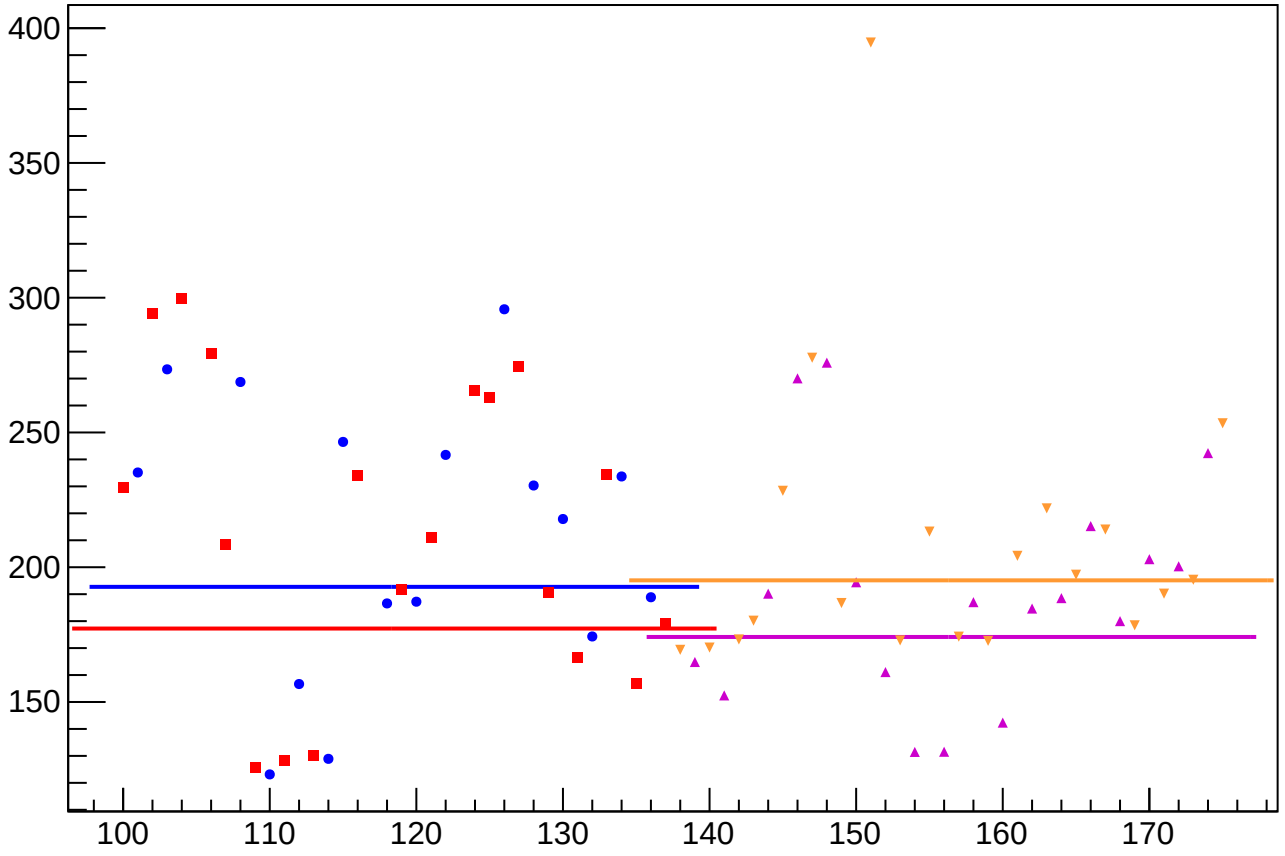
Left In: -423.896+/-47.030 χ^2/NDF:1436.8/17

+ sign 665.548+/-41.834 χ^2/NDF: 2514.0/35

All: 360.194+/-28.474 χ^2/NDF: 5031.1/72

- sign 96.642+/-38.865 χ^2/NDF: 2417.8/36

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 195.133+/-0.036 χ^2/NDF:916159.6/19

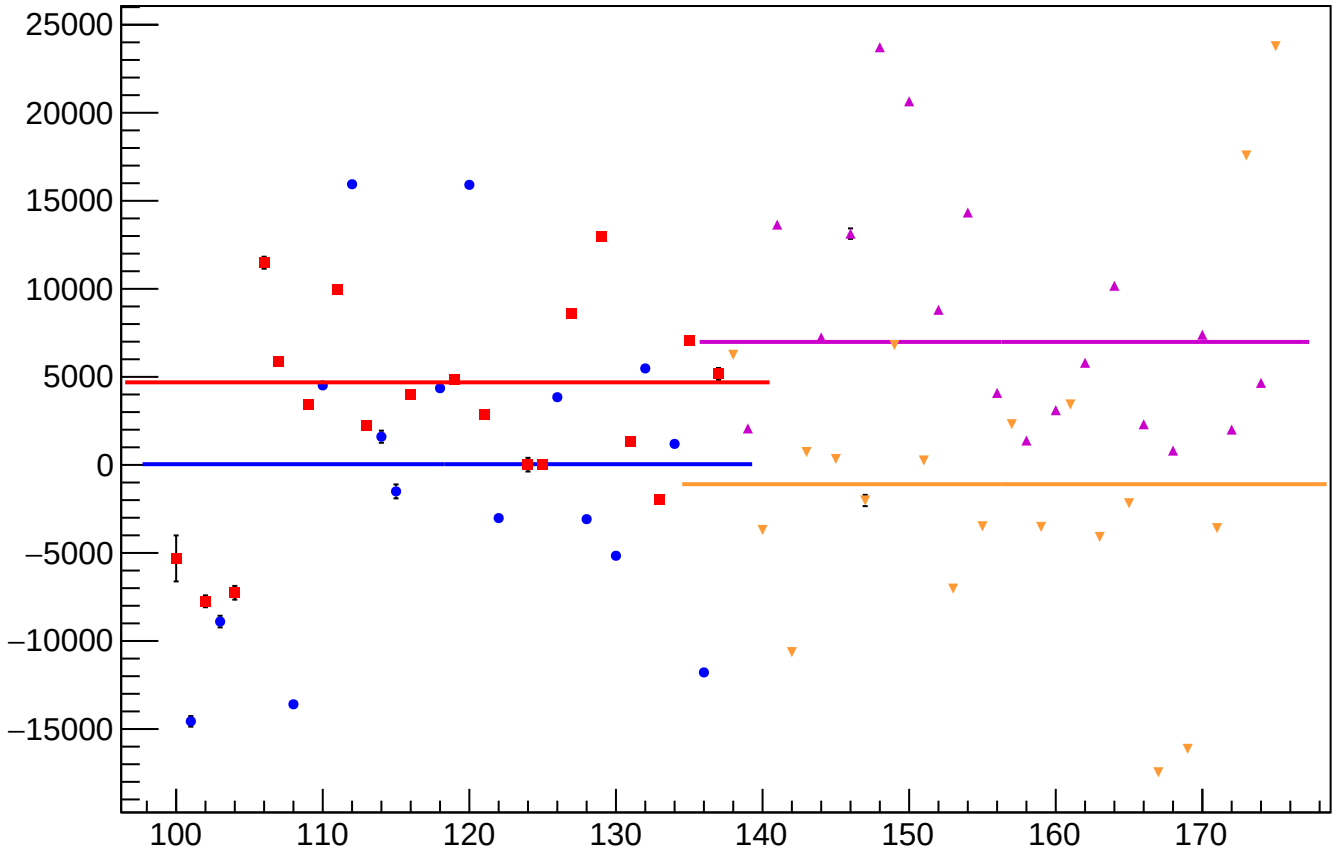
Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 174.127+/-0.033 χ^2/NDF:1207163.0/17

+ sign 194.380+/-0.030 χ^2/NDF: 1676735.1/35

All: 184.041+/-0.020 χ^2/NDF: 4340462.5/72

- sign 175.118+/-0.027 χ^2/NDF: 2436141.9/36



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1094.660+/-43.346 χ^2/NDF:46148.1/19

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

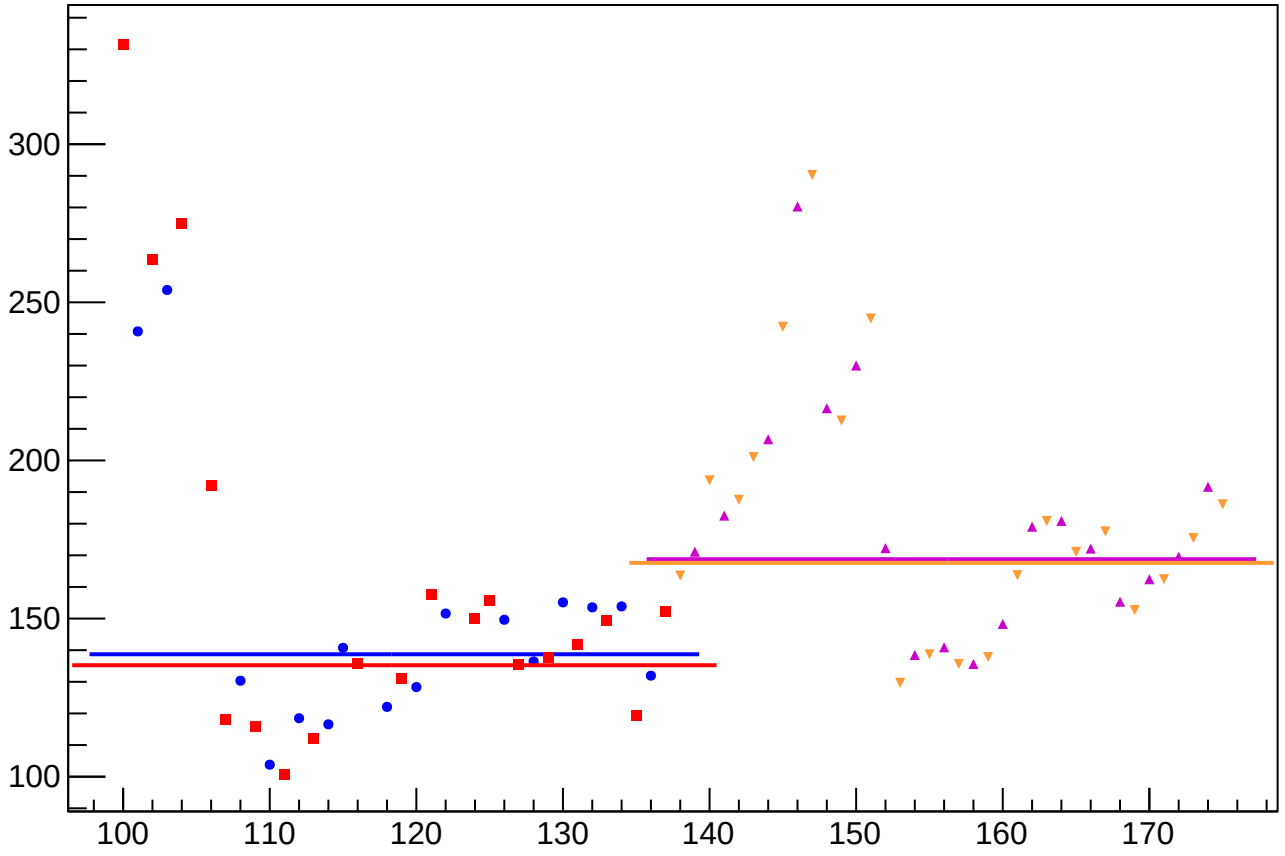
Left In: 6985.642+/-45.211 χ^2/NDF:17737.5/17

+ sign -651.675+/-33.851 χ^2/NDF: 77202.1/35

All: 2645.061+/-24.040 χ^2/NDF: 122977.8/72

- sign 5999.301+/-34.145 χ^2/NDF: 26641.1/36

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.615+/-0.031 χ^2/NDF:1179557.0/19

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

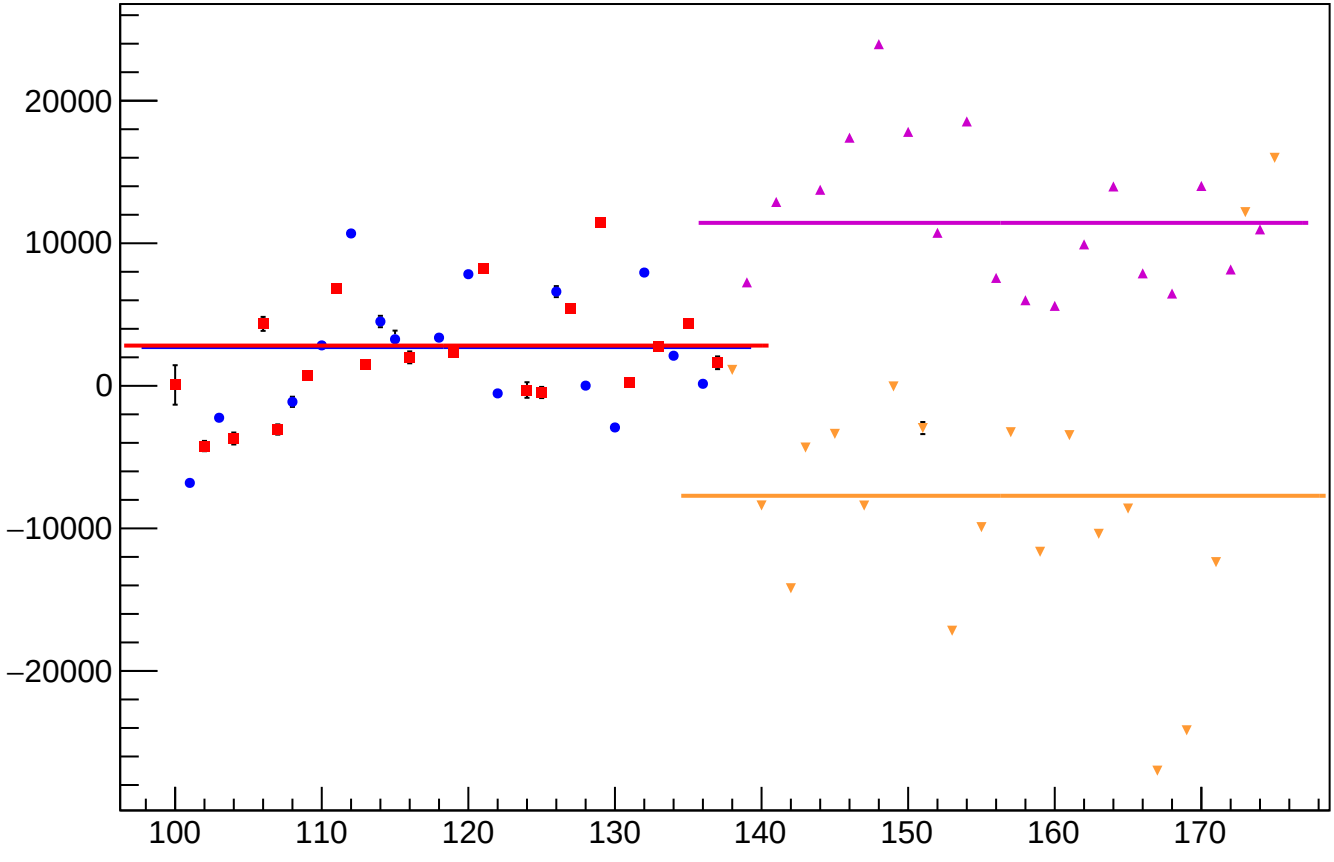
Left In: 168.767+/-0.032 χ^2/NDF:885471.2/17

+ sign 156.340+/-0.024 χ^2/NDF: 2184244.4/35

All: 155.361+/-0.017 χ^2/NDF: 4435470.9/72

- sign 154.366+/-0.024 χ^2/NDF: 2247855.4/36

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -7712.176+/-50.902 χ^2/NDF:39148.6/19

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

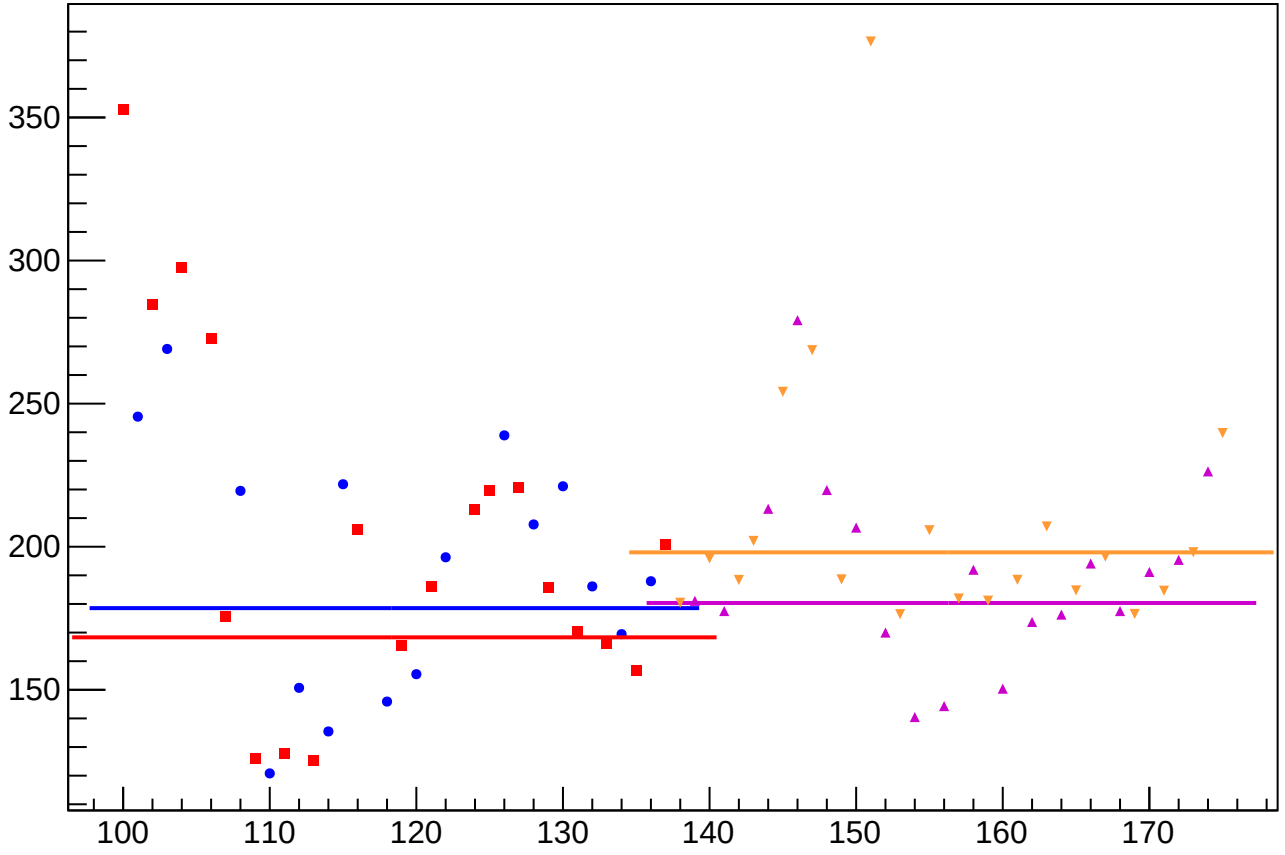
Left In: 11431.955+/-48.267 χ^2/NDF:10574.4/17

+ sign -4052.663+/-41.013 χ^2/NDF: 58012.0/35

All: 2512.211+/-28.155 χ^2/NDF: 131444.5/72

- sign 8363.253+/-38.720 χ^2/NDF: 24976.0/36

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.029+/-0.036 χ^2/NDF:716878.9/19

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

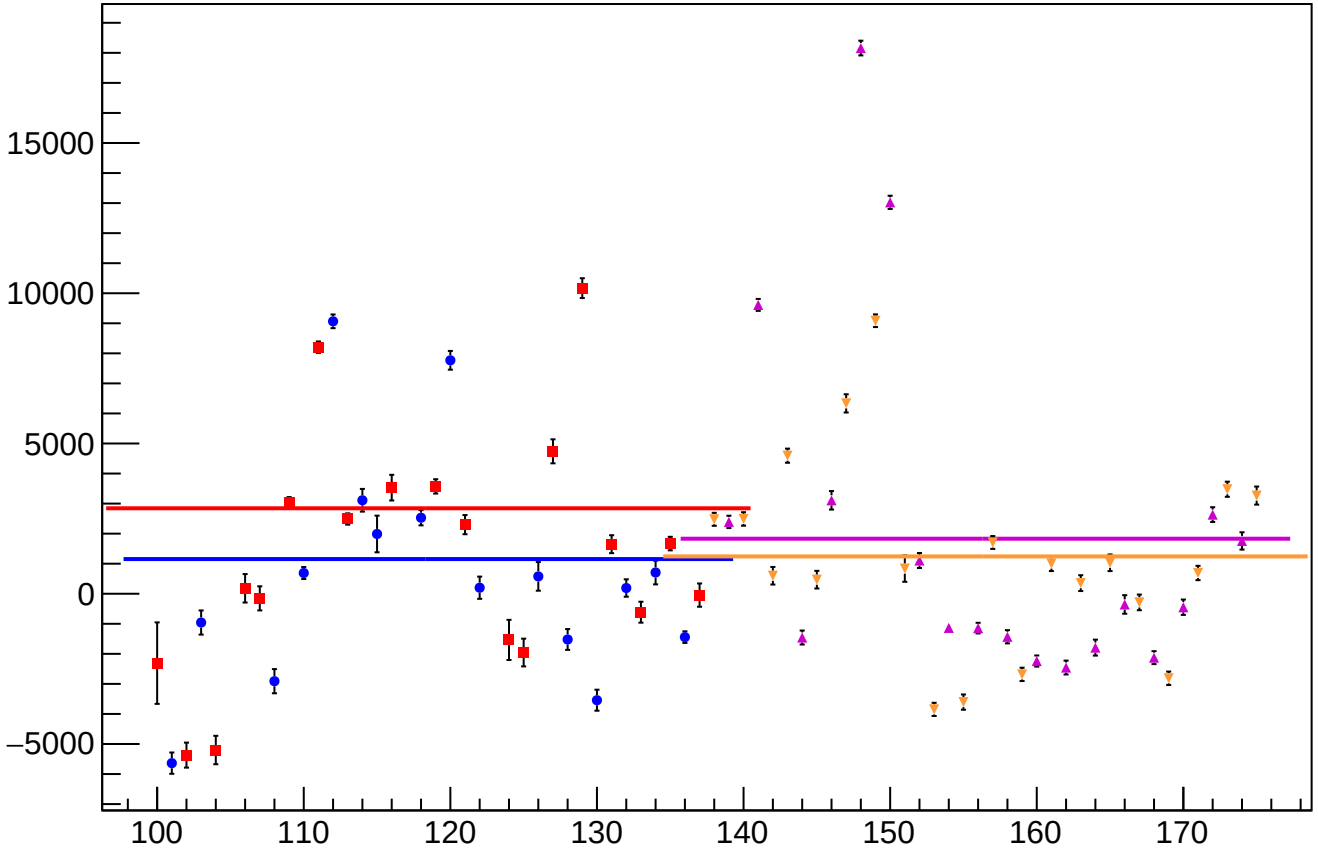
Left In: 180.343+/-0.034 χ^2/NDF:750646.8/17

+ sign 191.193+/-0.029 χ^2/NDF: 1494279.1/35

All: 183.193+/-0.020 χ^2/NDF: 3412460.7/72

- sign 176.062+/-0.027 χ^2/NDF: 1774265.5/36

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1242.304+/-55.779 χ^2/NDF:3662.1/19

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

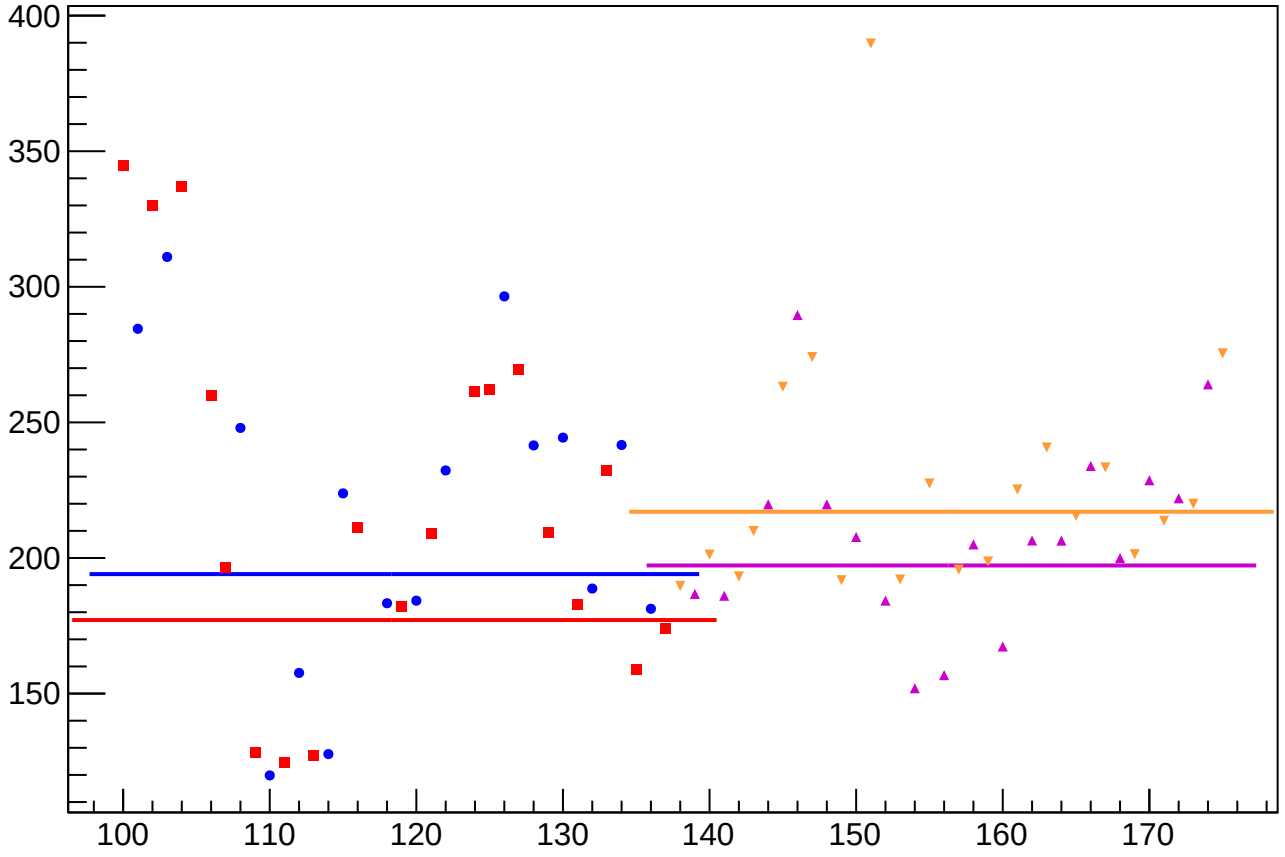
Left In: 1831.110+/-52.801 χ^2/NDF:11093.1/17

+ sign 1211.306+/-44.958 χ^2/NDF: 6318.4/35

All: 1741.923+/-30.677 χ^2/NDF: 20260.8/72

- sign 2204.201+/-41.963 χ^2/NDF: 13681.8/36

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 217.058+/-0.039 χ^2/NDF:688846.2/19

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

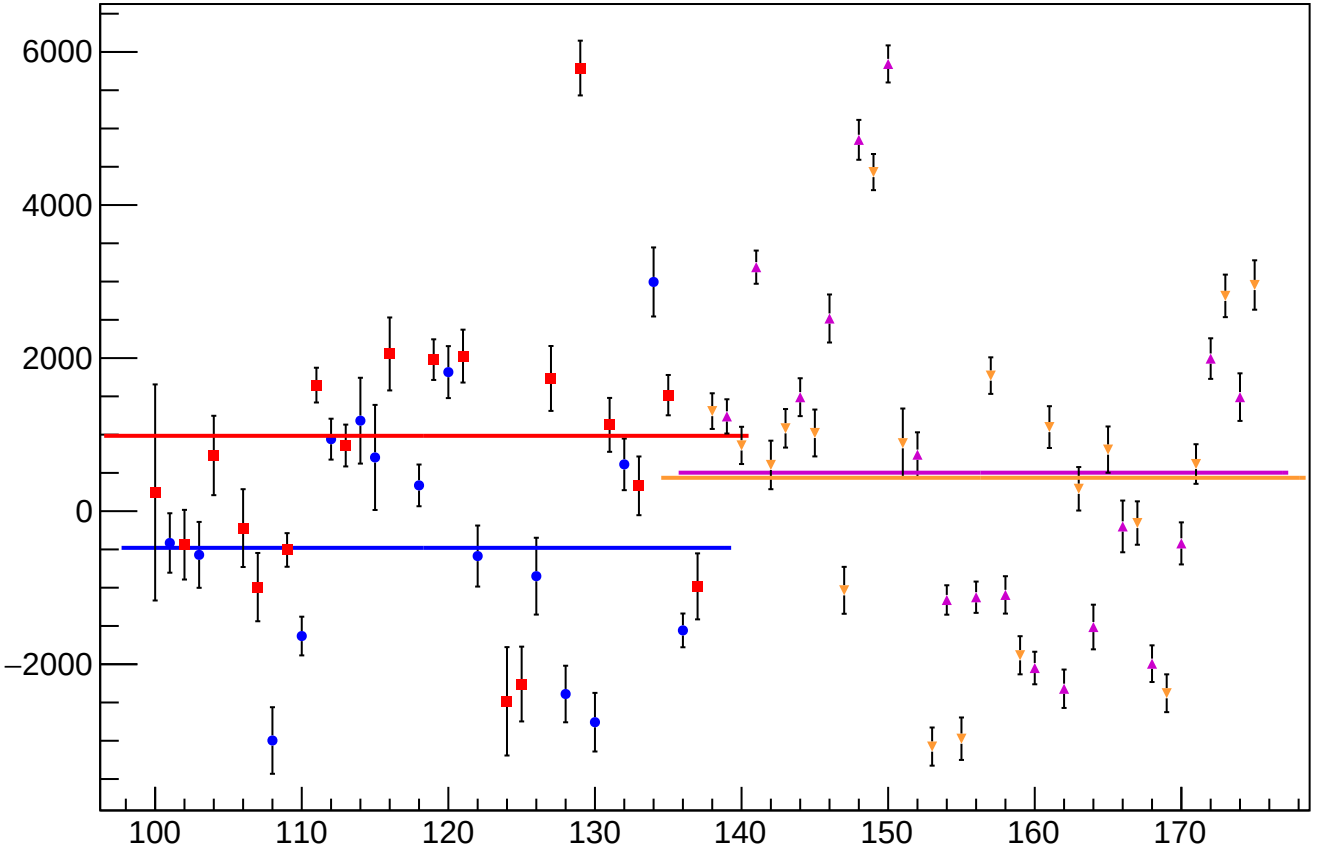
Left In: 197.238+/-0.037 χ^2/NDF:739507.2/17

+ sign 208.998+/-0.032 χ^2/NDF: 1773819.1/35

All: 198.752+/-0.022 χ^2/NDF: 4174073.9/72

- sign 189.825+/-0.030 χ^2/NDF: 2205862.2/36

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 436.015+/-60.759 χ^2/NDF:1081.5/19

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

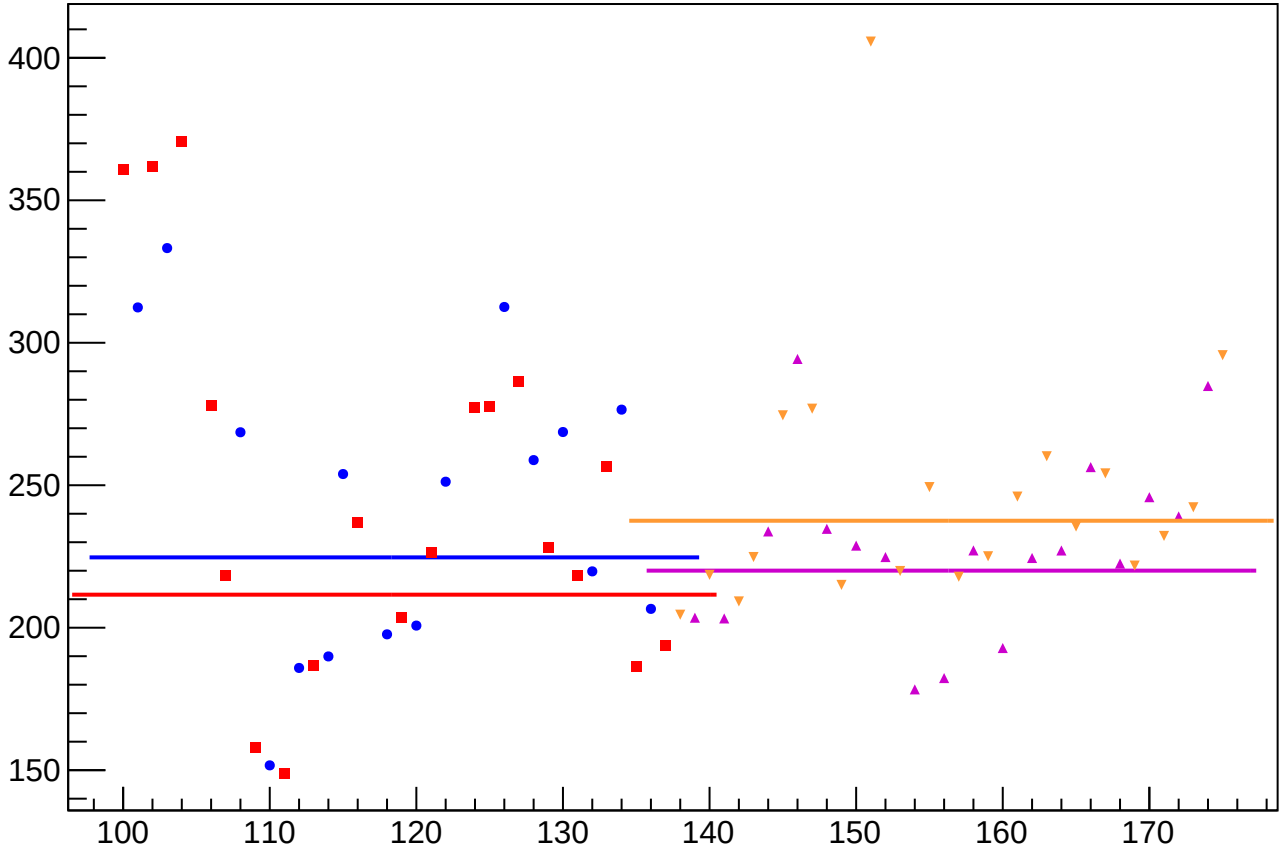
Left In: 502.811+/-58.448 χ^2/NDF:1651.7/17

+ sign 134.476+/-49.754 χ^2/NDF: 1461.7/35

All: 414.177+/-34.314 χ^2/NDF: 3595.1/72

- sign 667.887+/-47.386 χ^2/NDF: 2073.2/36

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 237.539+/-0.043 χ^2/NDF:556343.2/19

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

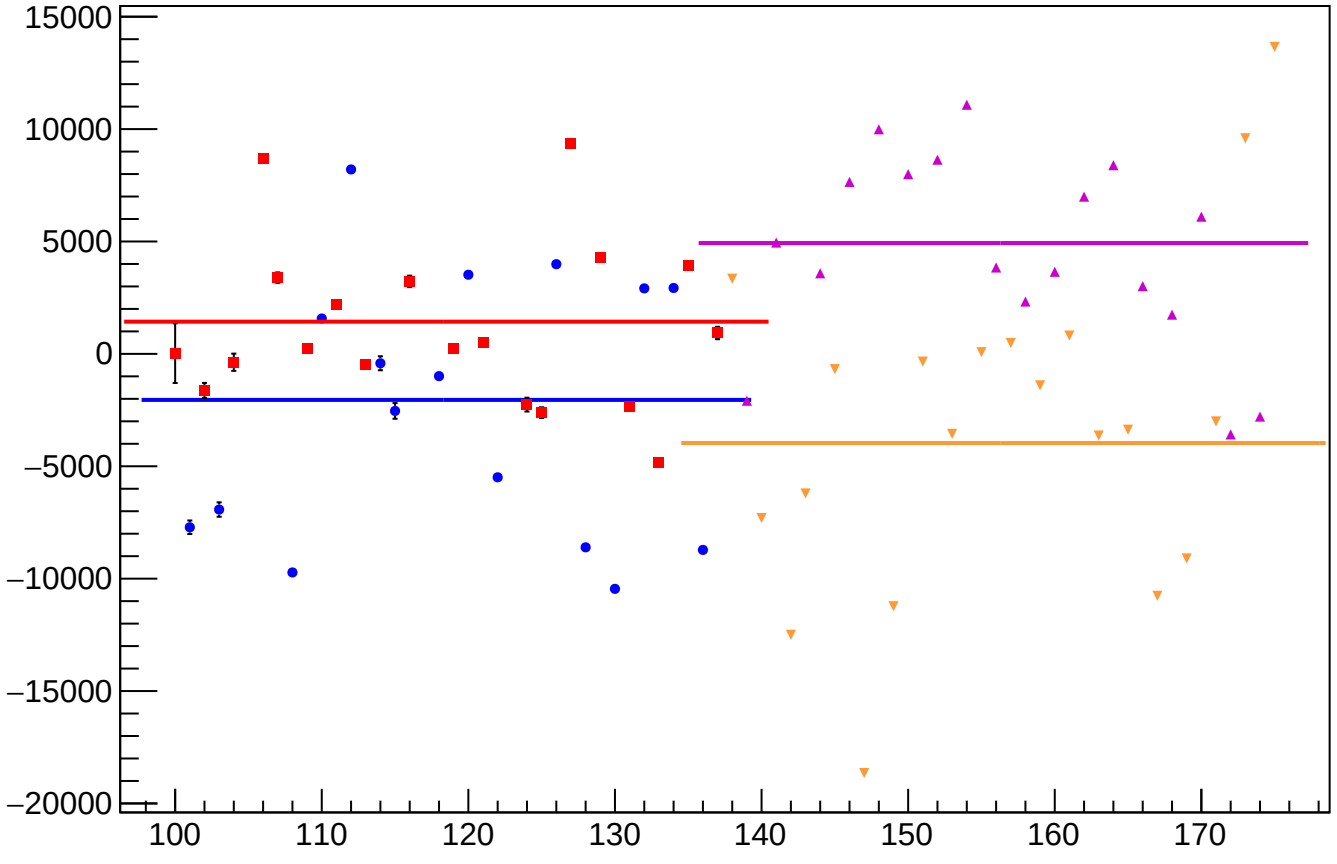
Left In: 220.031+/-0.041 χ^2/NDF:486916.4/17

+ sign 233.304+/-0.035 χ^2/NDF: 1239038.4/35

All: 224.828+/-0.024 χ^2/NDF: 2783825.5/72

- sign 217.140+/-0.034 χ^2/NDF: 1434097.1/36

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3966.073+/-32.259 χ^2/NDF:46909.8/19

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

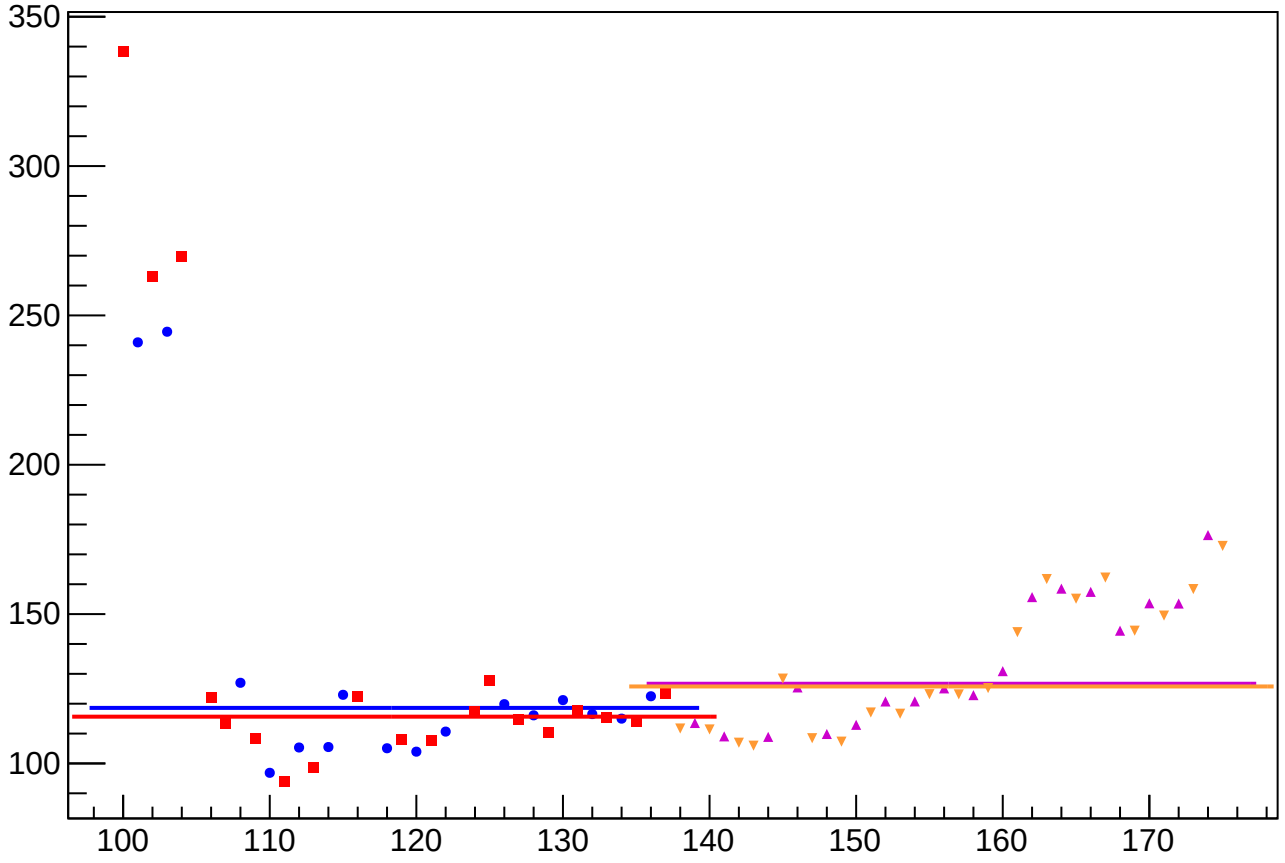
Left In: 4930.863+/-33.492 χ^2/NDF:14639.5/17

+ sign -3346.635+/-26.546 χ^2/NDF: 64761.1/35

All: 129.147+/-18.863 χ^2/NDF: 124335.6/72

- sign 3674.213+/-26.810 χ^2/NDF: 24945.9/36

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 125.773+/-0.023 χ^2/NDF:732079.7/19

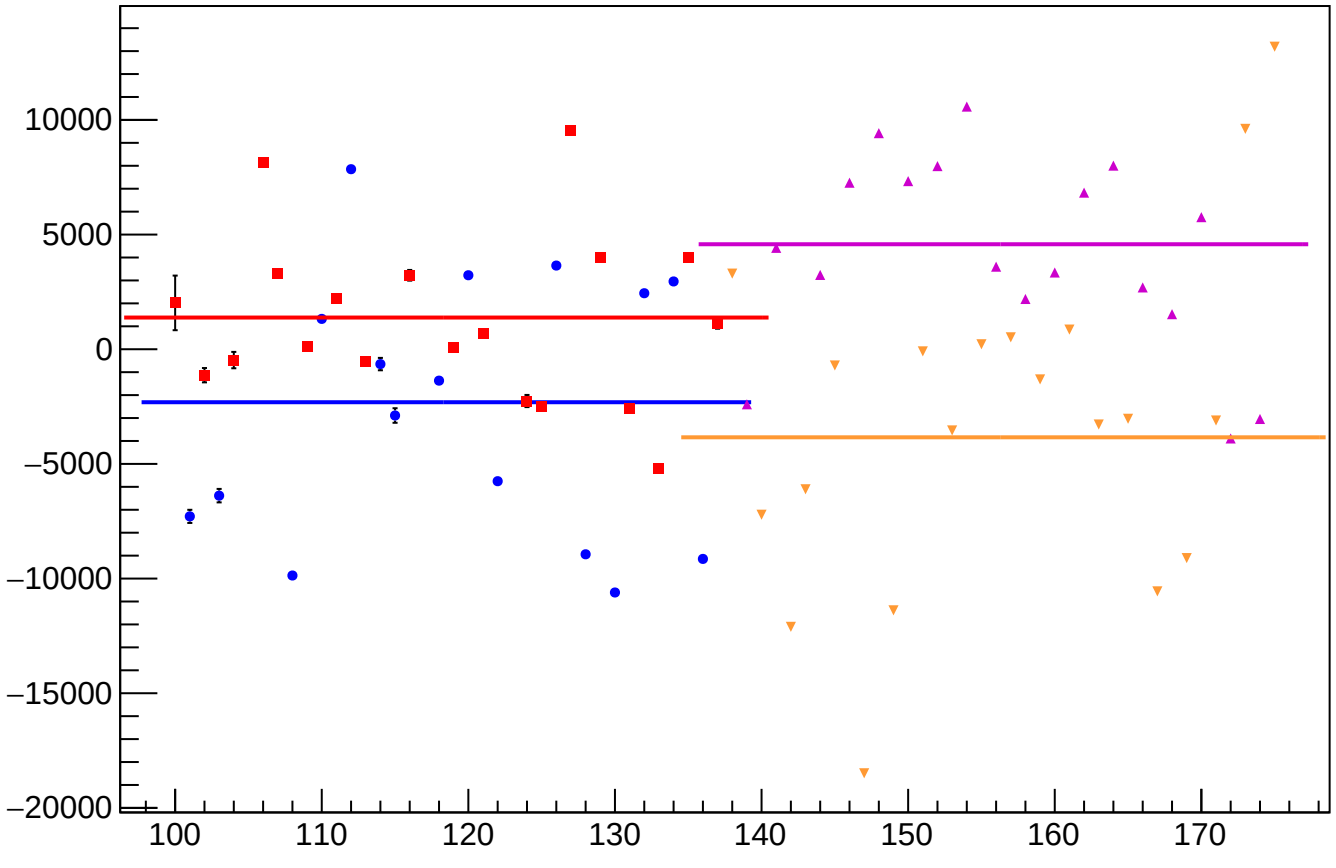
Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 126.681+/-0.024 χ^2/NDF:595082.8/17

+ sign 123.456+/-0.019 χ^2/NDF: 1498198.7/35

All: 123.093+/-0.013 χ^2/NDF: 3036054.6/72

- sign 122.722+/-0.019 χ^2/NDF: 1537098.0/36



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -3840.321+/-29.020 χ^2/NDF:55088.3/19

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

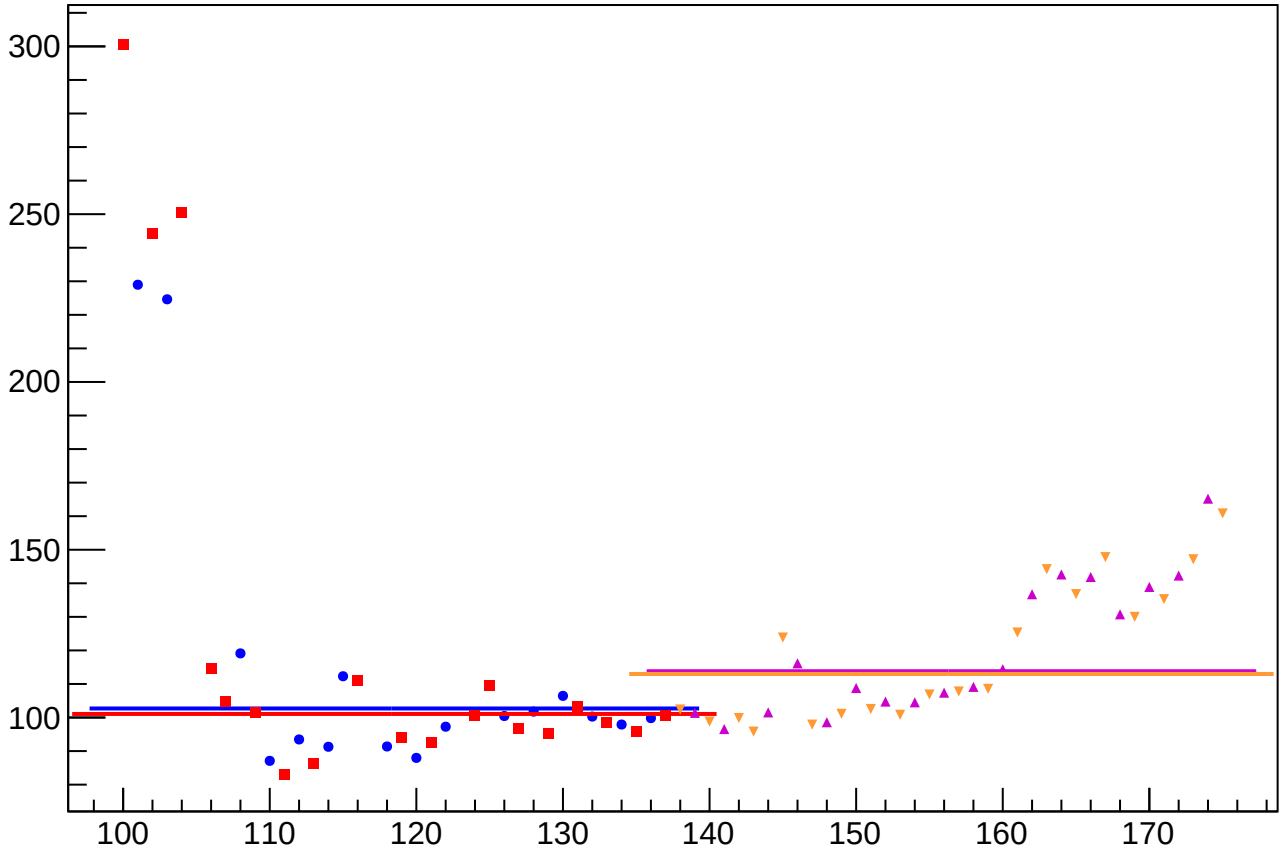
Left In: 4578.491+/-30.131 χ^2/NDF:17084.1/17

+ sign -3325.311+/-23.635 χ^2/NDF: 77703.2/35

All: -4.706+/-16.813 χ^2/NDF: 147484.3/72

- sign 3396.775+/-23.921 χ^2/NDF: 29823.3/36

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 112.984+/-0.021 χ^2/NDF:760367.3/19

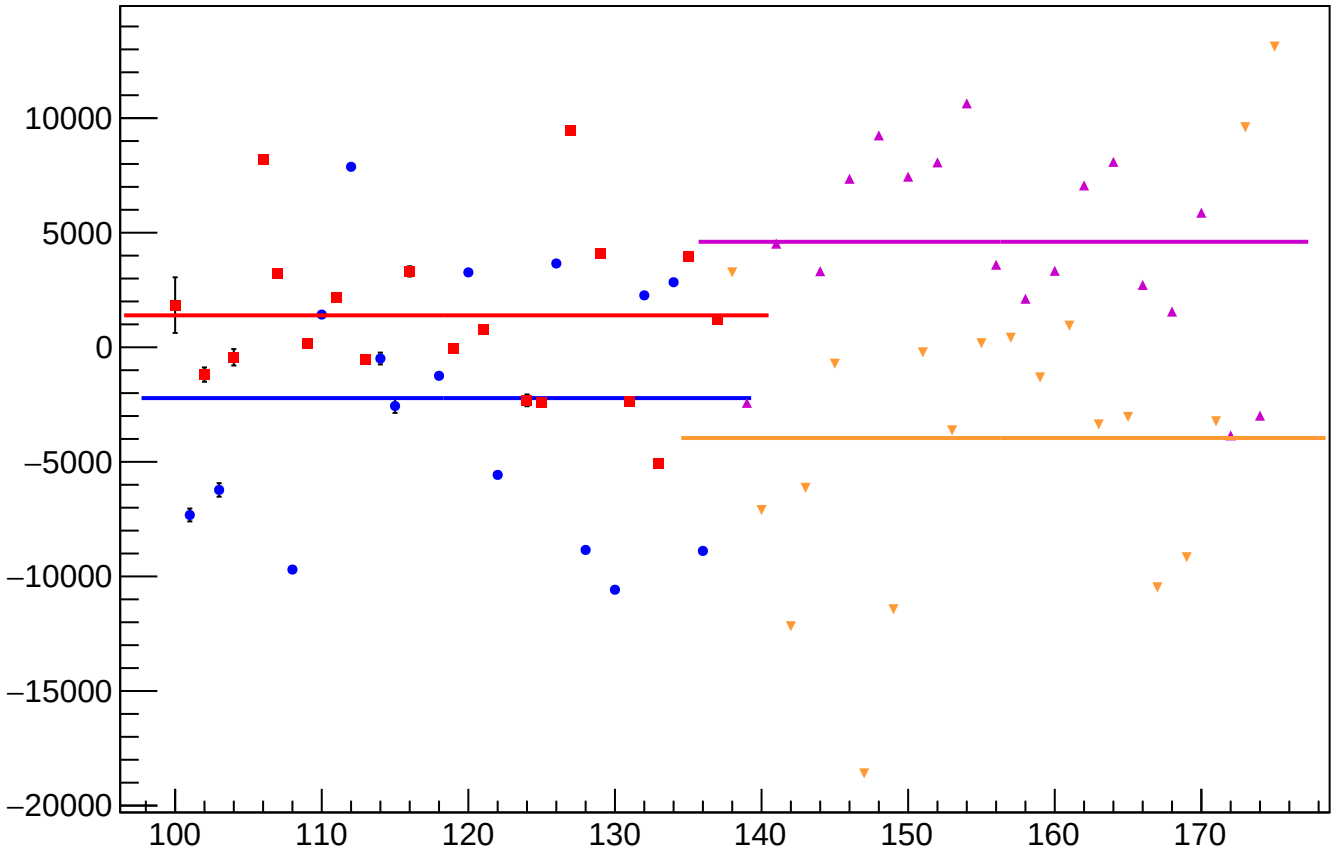
Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 113.795+/-0.021 χ^2/NDF:629322.1/17

+ sign 109.519+/-0.017 χ^2/NDF: 1670827.4/35

All: 109.306+/-0.012 χ^2/NDF: 3362955.1/72

- sign 109.088+/-0.017 χ^2/NDF: 1691798.5/36



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -3960.158+/-28.399 χ^2/NDF:59020.8/19

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

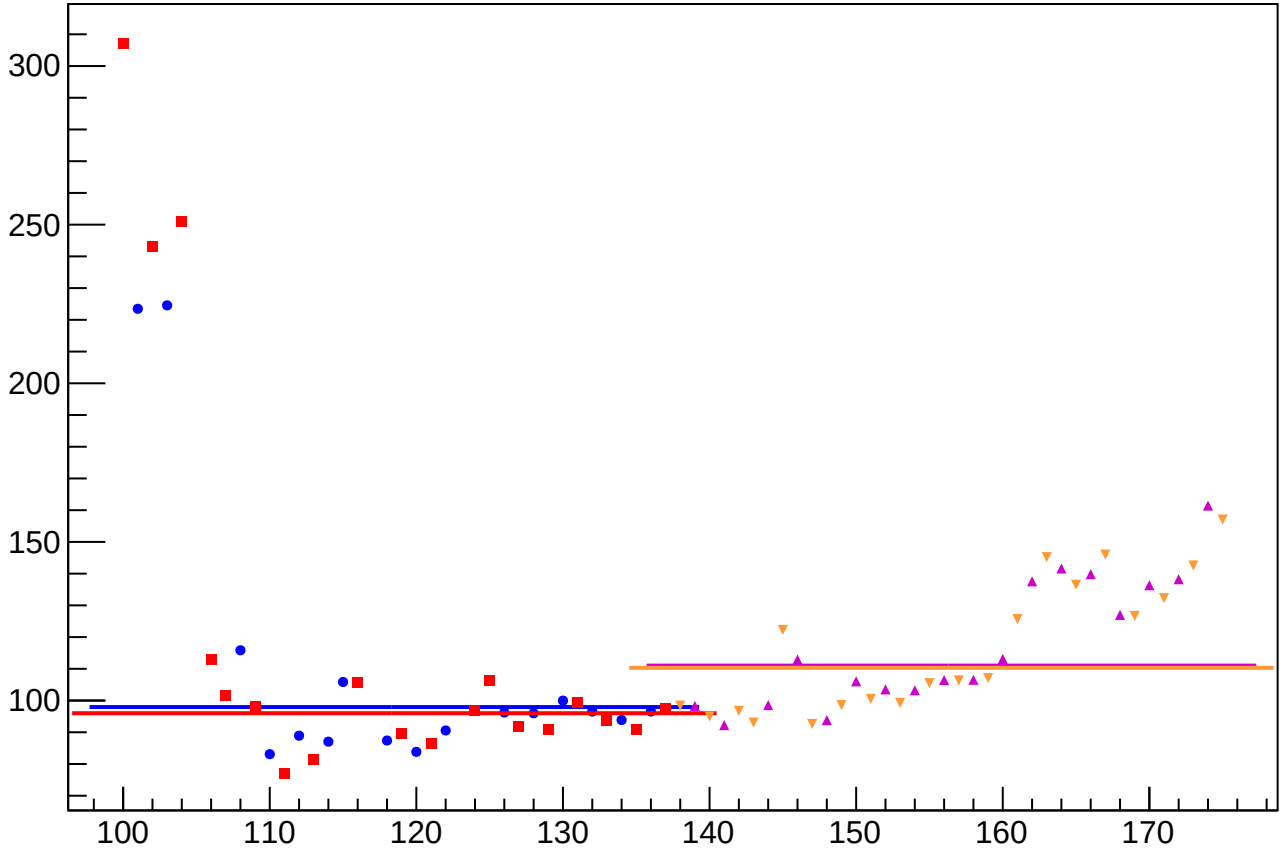
Left In: 4603.169+/-29.456 χ^2/NDF:18047.4/17

+ sign -3357.279+/-22.965 χ^2/NDF: 83363.8/35

All: -19.626+/-16.315 χ^2/NDF: 157728.5/72

- sign 3381.664+/-23.183 χ^2/NDF: 31717.9/36

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 110.313+/-0.020 χ^2/NDF:829891.4/19

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

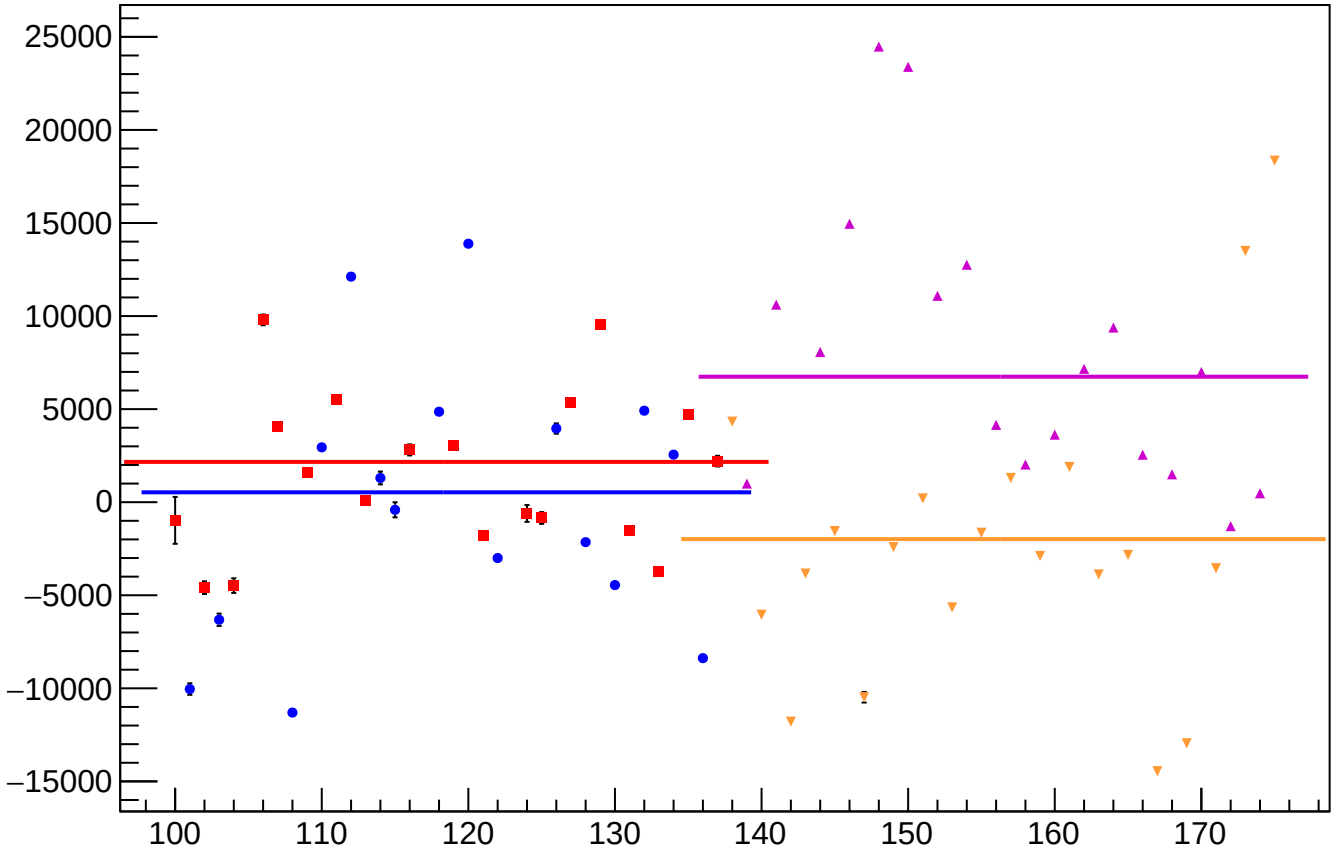
Left In: 111.004+/-0.021 χ^2/NDF:680852.4/17

+ sign 106.033+/-0.016 χ^2/NDF: 1829343.7/35

All: 105.667+/-0.012 χ^2/NDF: 3720848.9/72

- sign 105.295+/-0.016 χ^2/NDF: 1890484.7/36

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -1982.802+/-40.040 χ^2/NDF:31743.1/19

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

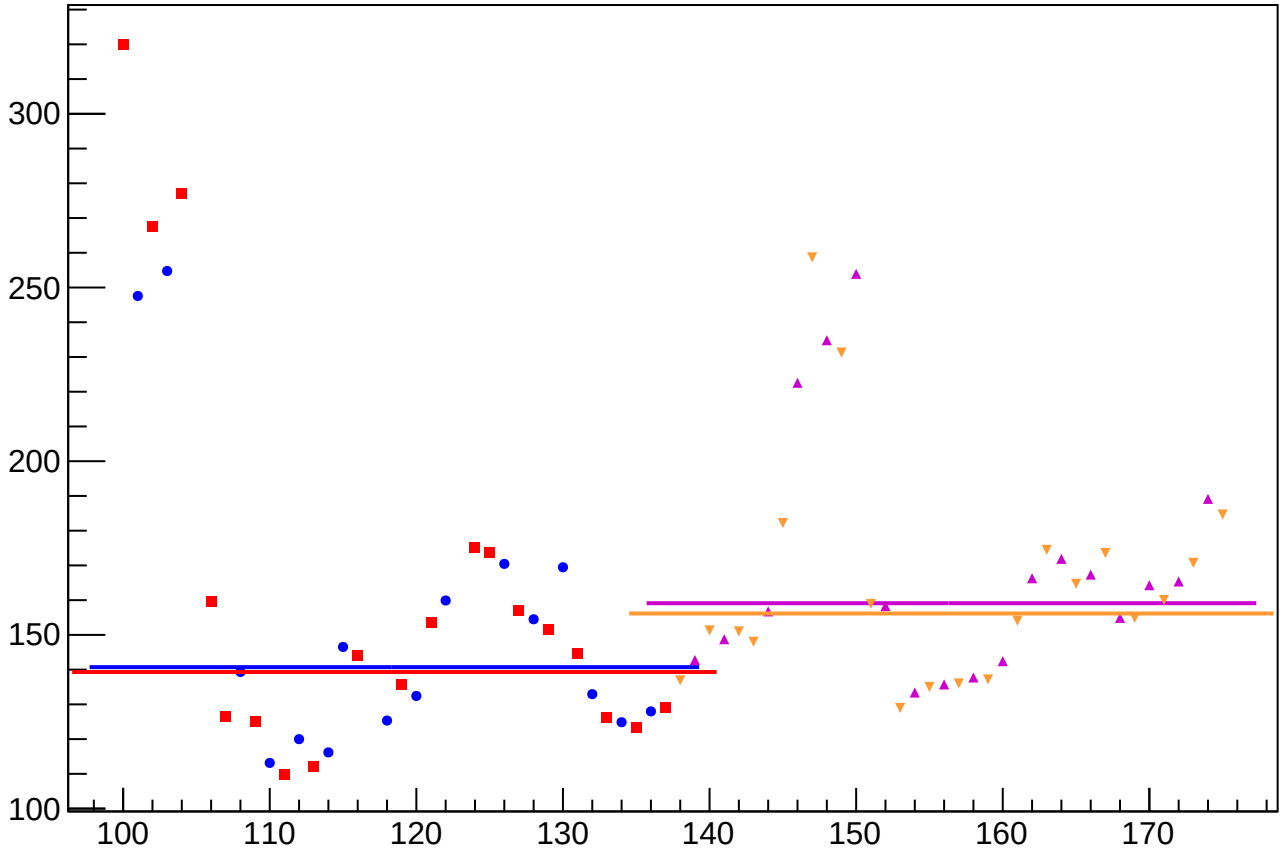
Left In: 6741.682+/-42.244 χ^2/NDF:19982.9/17

+ sign -1109.172+/-32.341 χ^2/NDF: 51700.3/35

All: 1861.821+/-23.147 χ^2/NDF: 98465.6/72

- sign 4982.345+/-33.145 χ^2/NDF: 29462.0/36

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 156.162+/-0.028 χ^2/NDF:775320.9/19

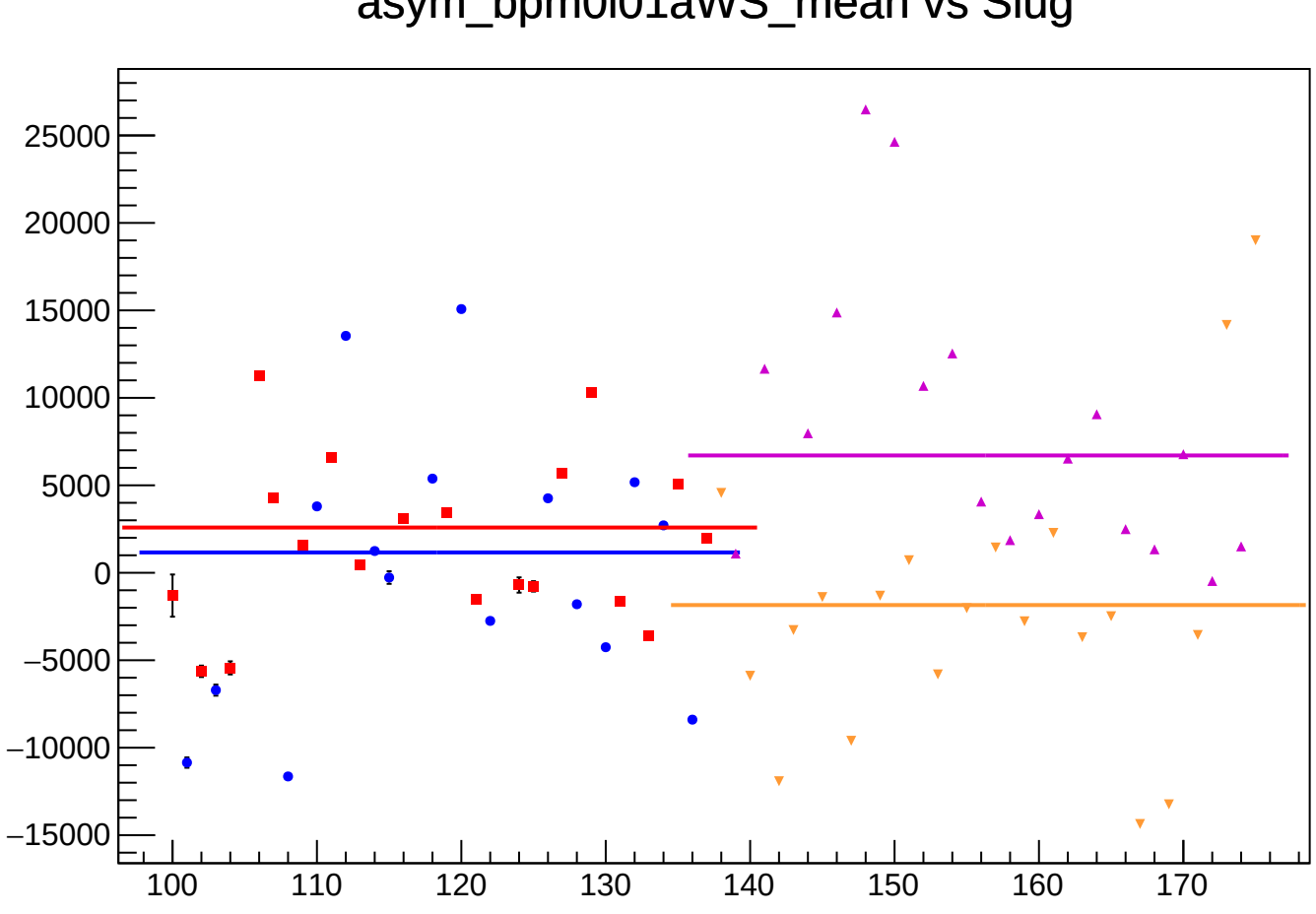
Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 159.121+/-0.030 χ^2/NDF:827542.4/17

+ sign 150.793+/-0.023 χ^2/NDF: 1554411.3/35

All: 151.142+/-0.016 χ^2/NDF: 3353717.6/72

- sign 151.508+/-0.023 χ^2/NDF: 1798829.3/36



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -1845.483+/-35.582 χ^2/NDF:39795.0/19

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

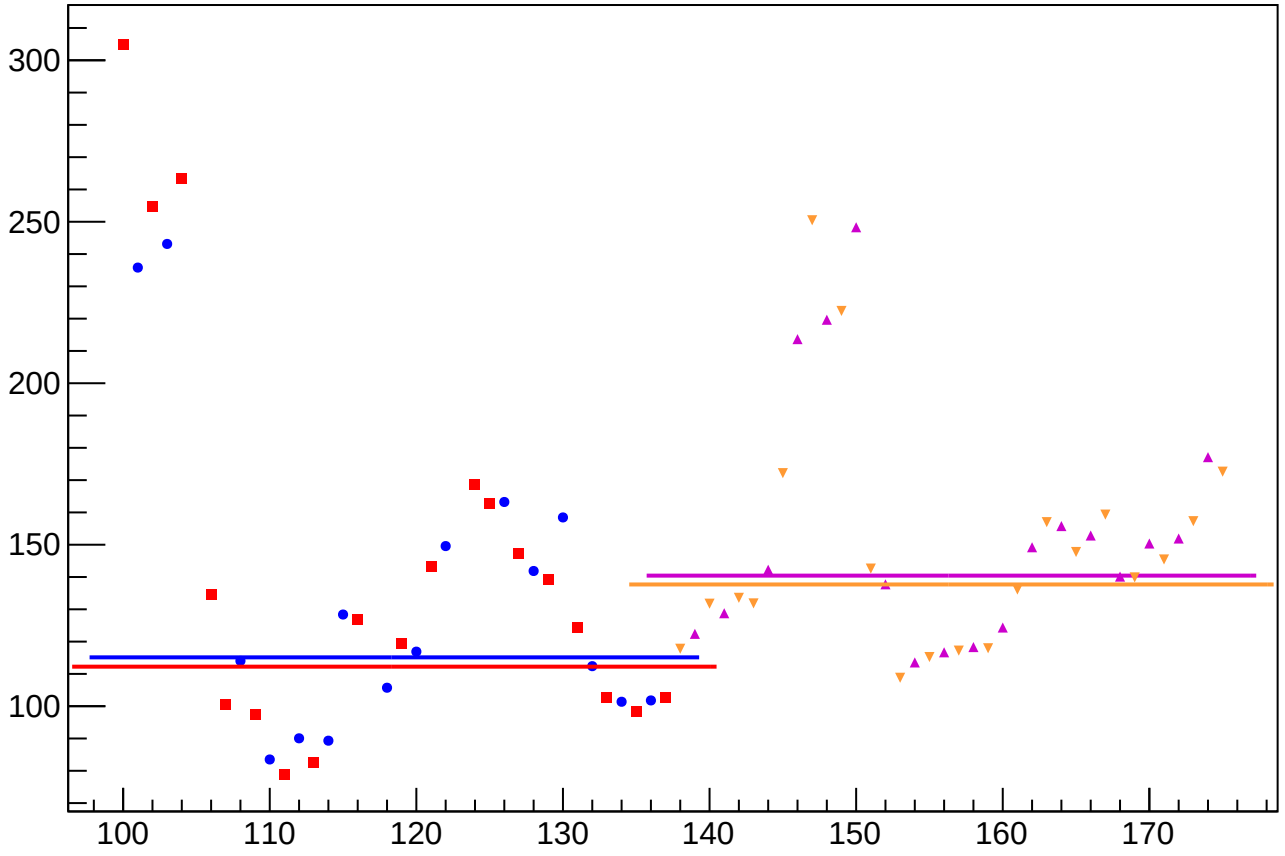
Left In: 6706.979+/-37.623 χ^2/NDF:25093.4/17

+ sign -717.107+/-28.129 χ^2/NDF: 73230.6/35

All: 2076.936+/-20.077 χ^2/NDF: 131567.5/72

- sign 4978.478+/-28.665 χ^2/NDF: 38224.4/36

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 137.693+/-0.025 χ^2/NDF:1120981.7/19

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

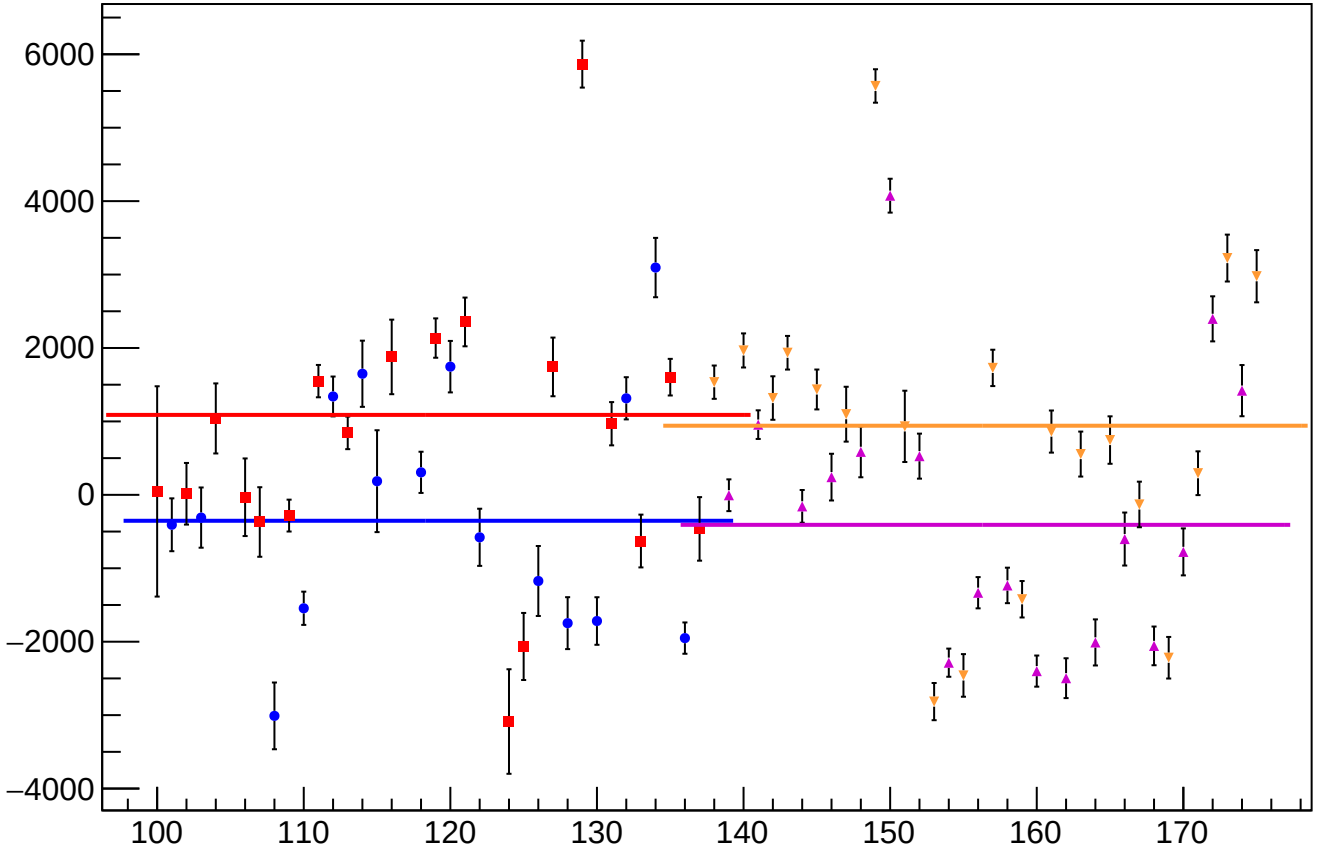
Left In: 140.430+/-0.027 χ^2/NDF:1164516.0/17

+ sign 129.229+/-0.020 χ^2/NDF: 2535715.4/35

All: 128.922+/-0.014 χ^2/NDF: 5499865.0/72

- sign 128.604+/-0.020 χ^2/NDF: 2963665.9/36

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 941.403+/-62.388 χ^2/NDF:1148.2/19

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

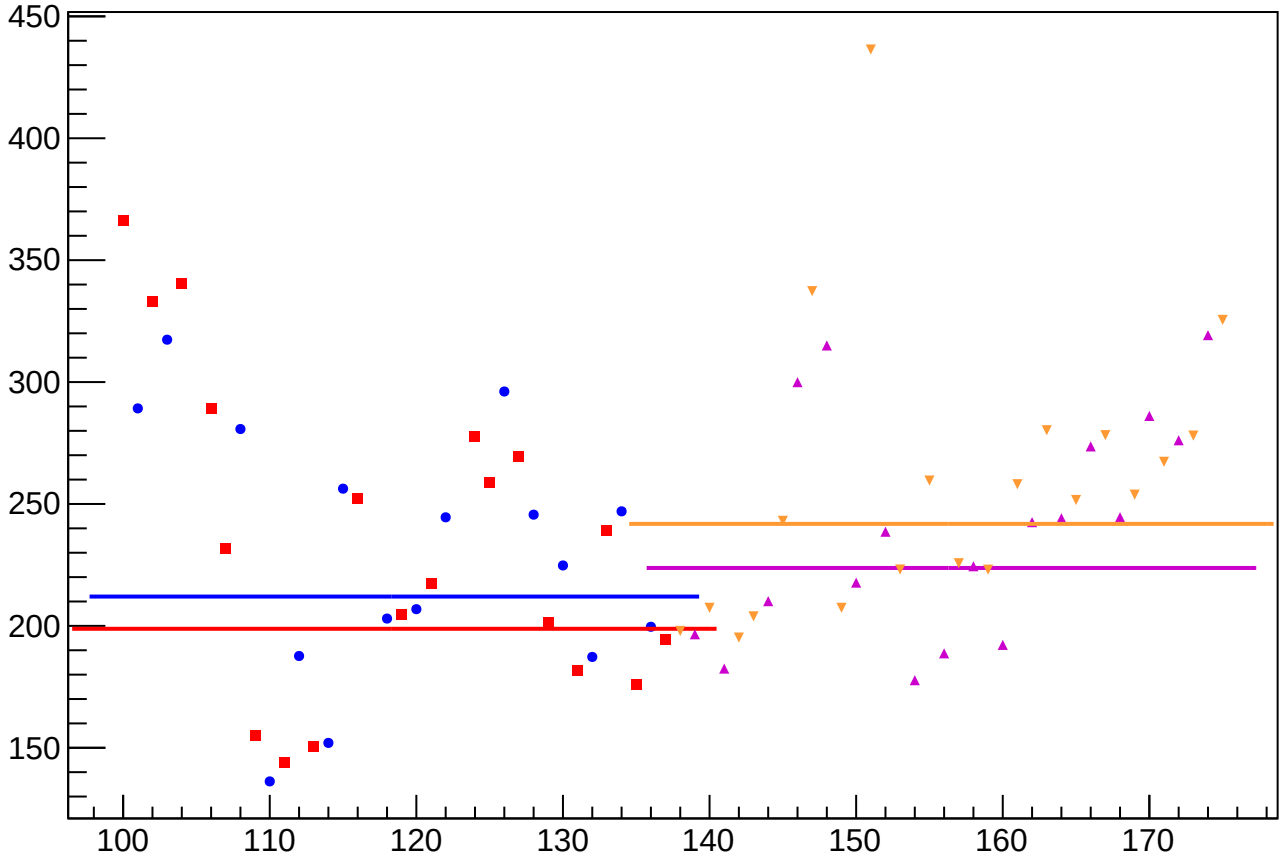
Left In: -408.522+/-59.919 χ^2/NDF:905.0/17

+ sign 467.779+/-49.681 χ^2/NDF: 1667.6/35

All: 306.558+/-34.203 χ^2/NDF: 3277.4/72

- sign 161.295+/-47.158 χ^2/NDF: 1589.8/36

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 241.833+/-0.044 χ^2/NDF:981244.2/19

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

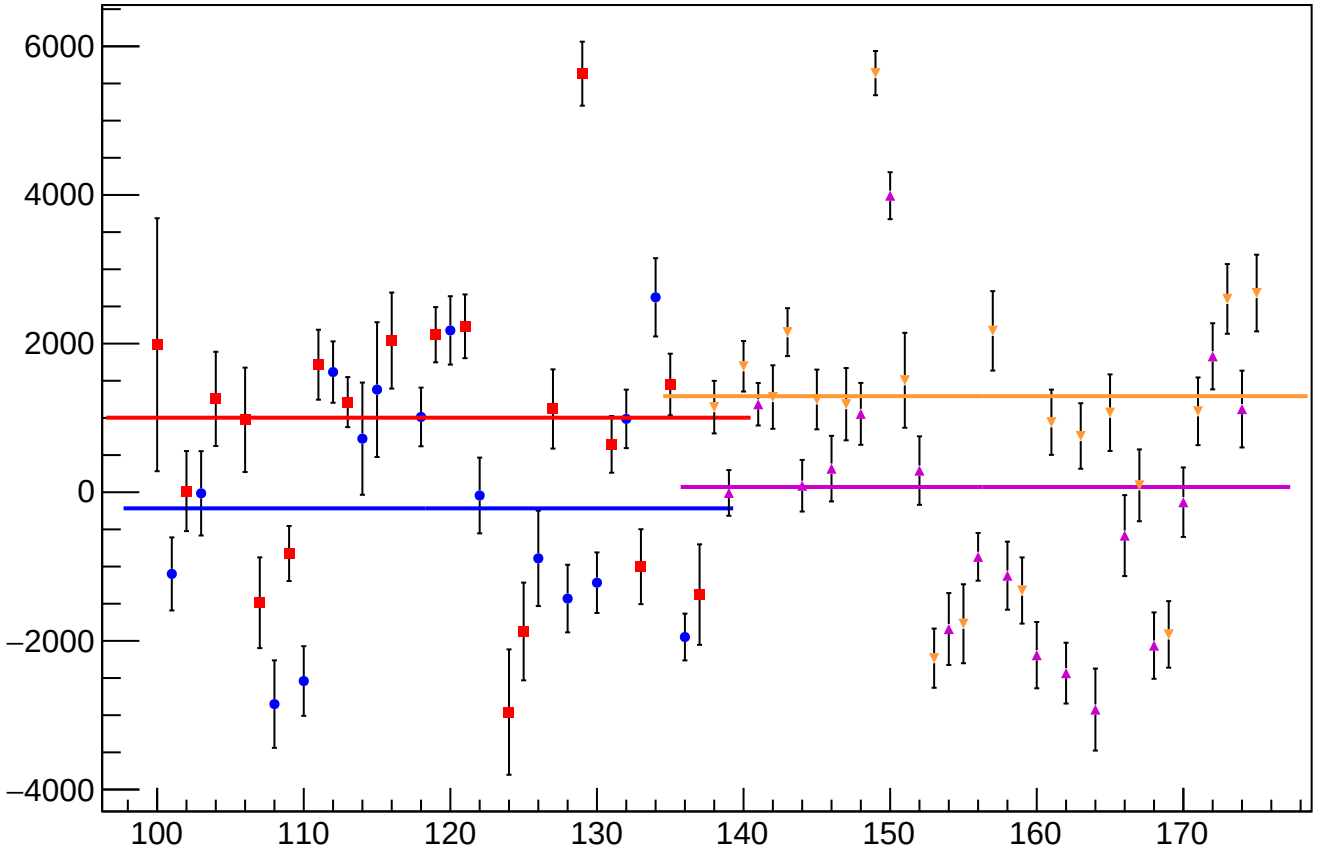
Left In: 223.754+/-0.042 χ^2/NDF:954842.5/17

+ sign 230.928+/-0.035 χ^2/NDF: 1838606.5/35

All: 222.161+/-0.024 χ^2/NDF: 4018699.0/72

- sign 214.261+/-0.033 χ^2/NDF: 2061690.2/36

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1292.369+/-94.991 χ^2/NDF:446.3/19

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

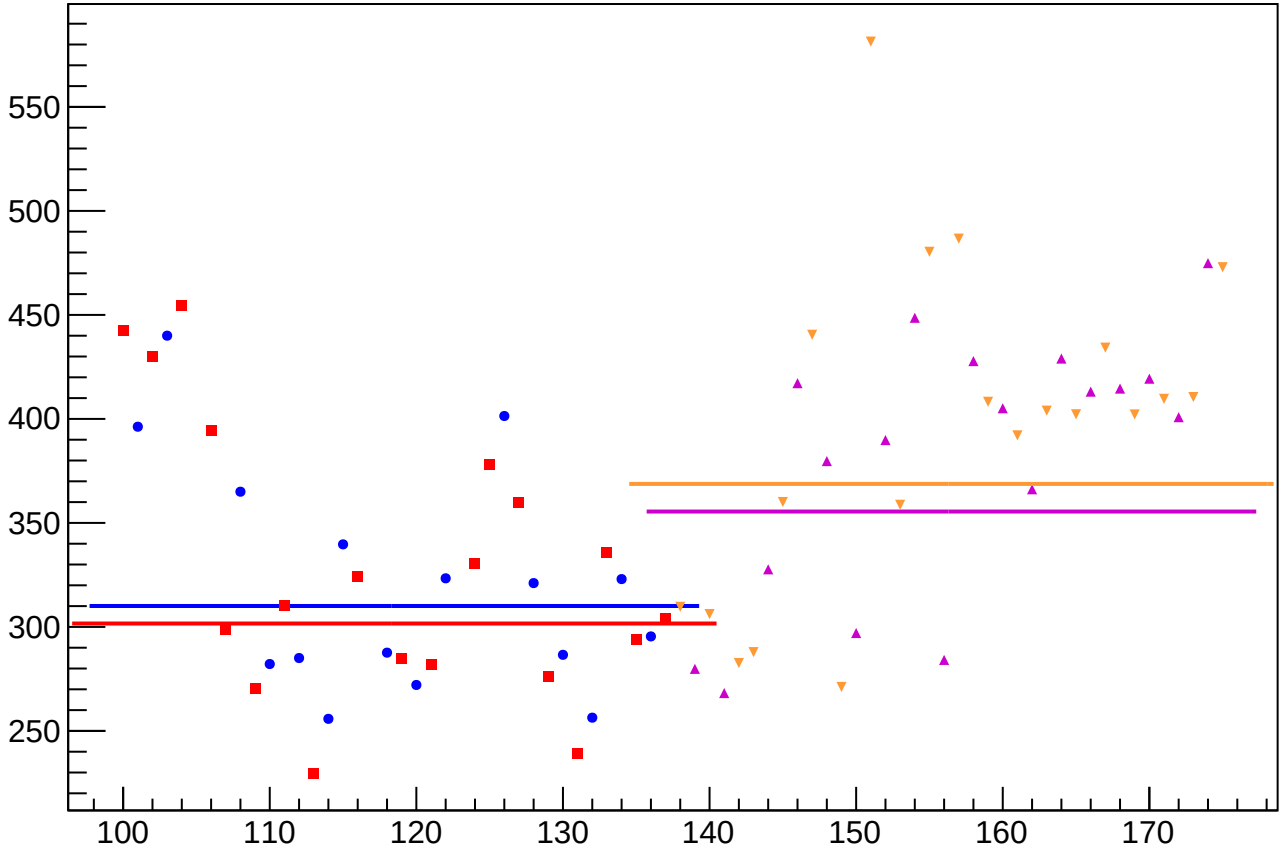
Left In: 70.590+/-94.675 χ^2/NDF:343.3/17

+ sign 698.186+/-73.967 χ^2/NDF: 737.8/35

All: 574.189+/-51.812 χ^2/NDF: 1381.0/72

- sign 454.732+/-72.600 χ^2/NDF: 637.6/36

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 368.750+/-0.067 χ^2/NDF:1203299.8/19

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

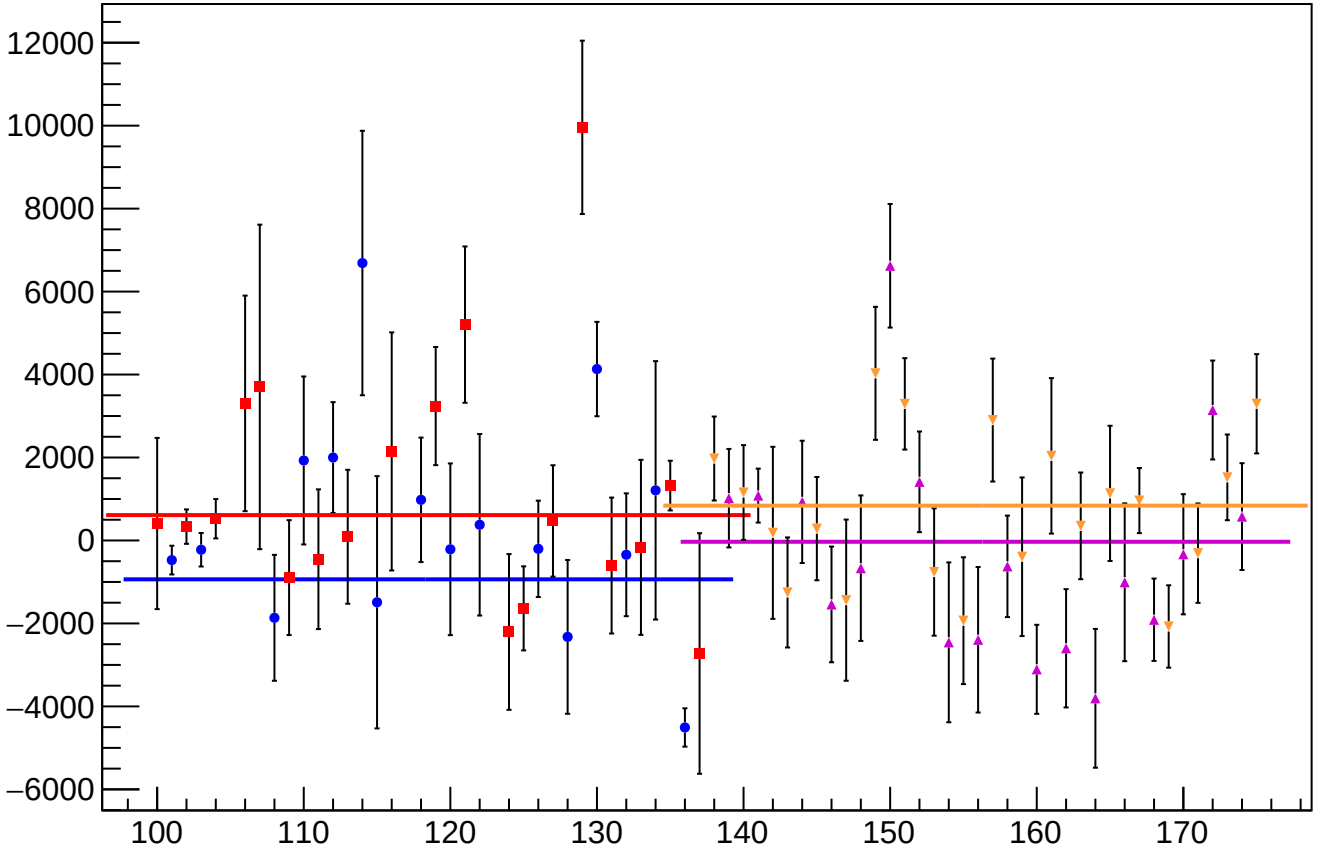
Left In: 355.467+/-0.067 χ^2/NDF:952675.3/17

+ sign 345.646+/-0.052 χ^2/NDF: 1827127.0/35

All: 339.353+/-0.037 χ^2/NDF: 3594474.4/72

- sign 333.291+/-0.051 χ^2/NDF: 1738924.3/36

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 839.919+/-283.018 χ^2/NDF:35.9/19

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

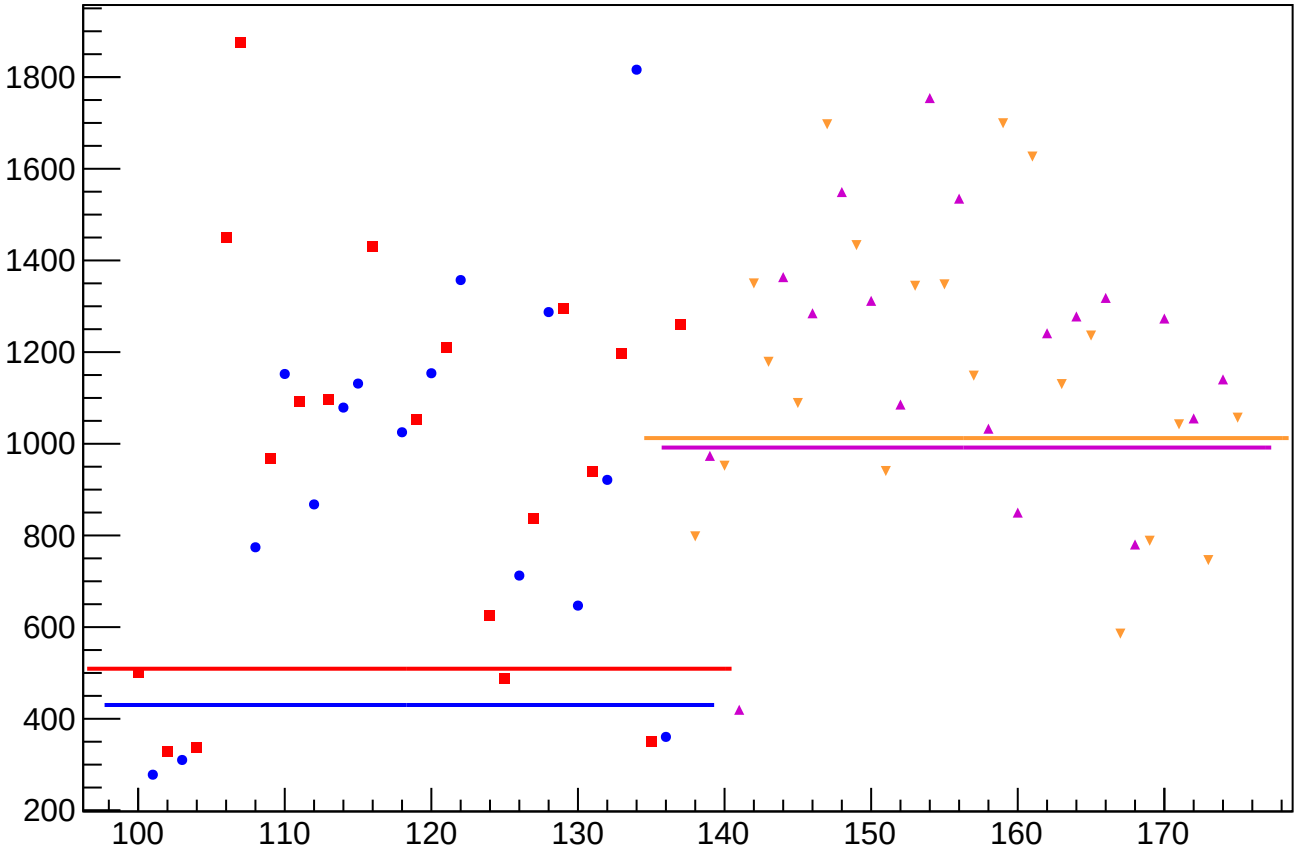
Left In: -31.310+/-294.102 χ^2/NDF:58.2/17

+ sign -326.608+/-165.872 χ^2/NDF: 163.0/35

All: -14.778+/-122.809 χ^2/NDF: 276.1/72

- sign 363.537+/-182.701 χ^2/NDF: 105.3/36

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1012.429+/-0.200 χ^2/NDF:2146535.7/19

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

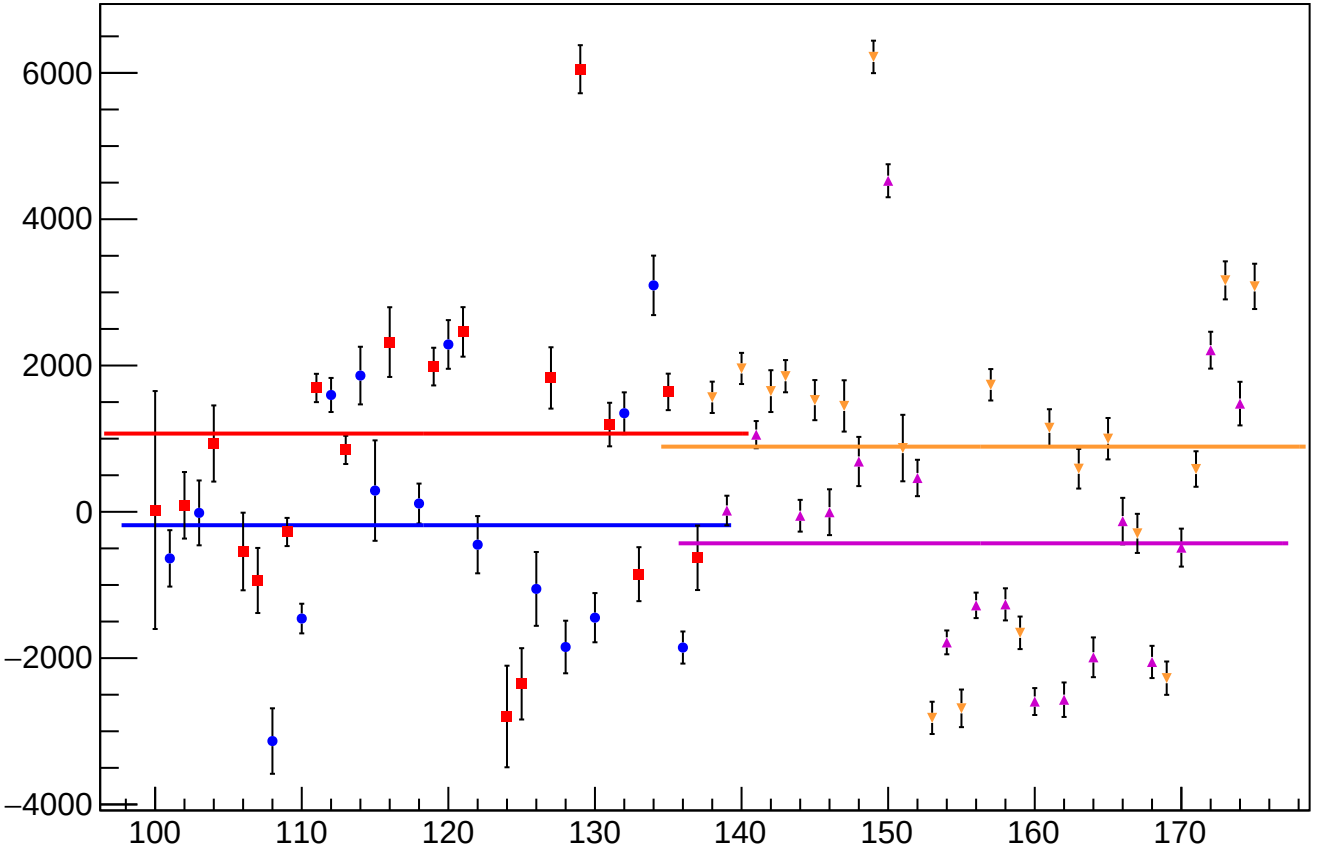
Left In: 991.758+/-0.208 χ^2/NDF:2991108.8/17

+ sign 630.132+/-0.117 χ^2/NDF: 11226949.4/35

All: 659.643+/-0.087 χ^2/NDF: 21337578.7/72

- sign 695.446+/-0.129 χ^2/NDF: 9970519.2/36

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 891.148+/-56.093 χ^2/NDF:1611.0/19

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

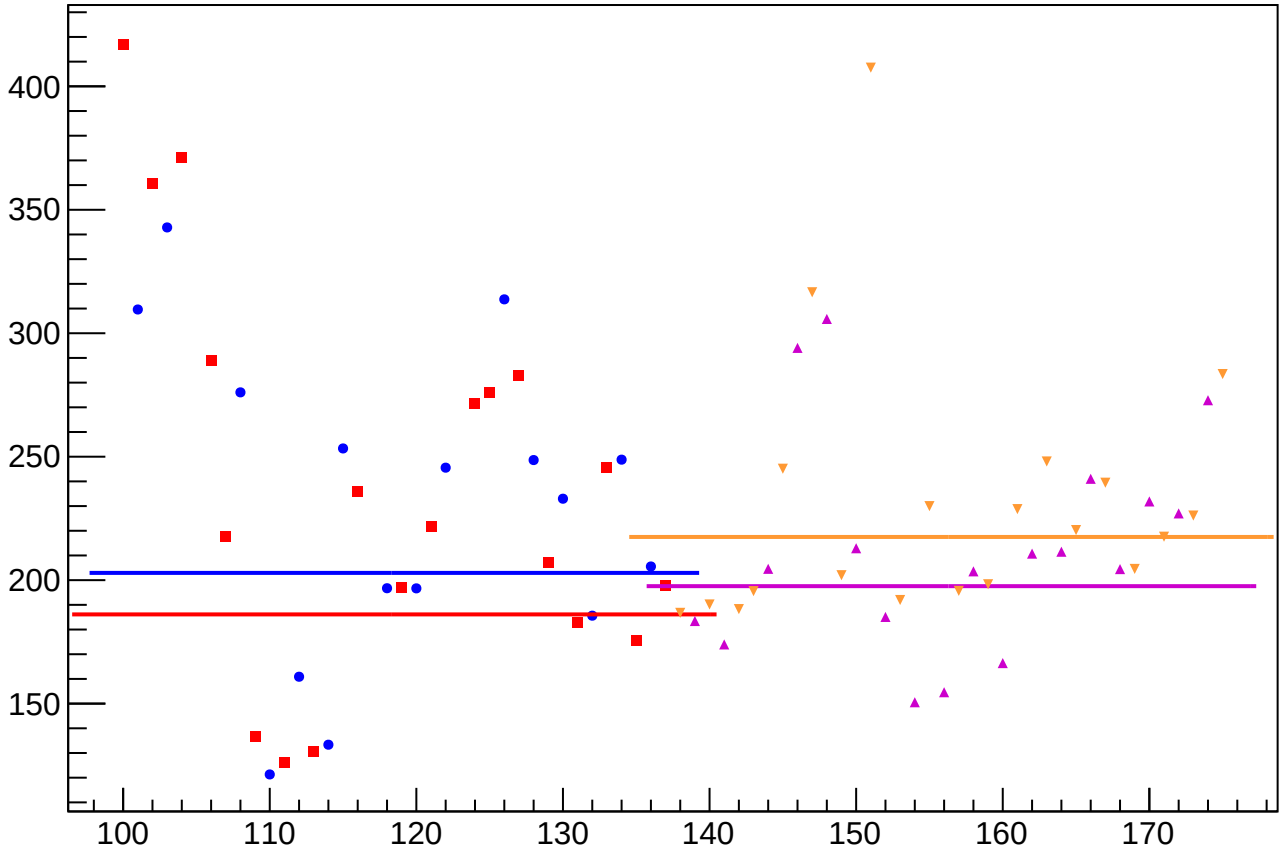
Left In: -430.519+/-53.134 χ^2/NDF:1146.7/17

+ sign 536.299+/-45.902 χ^2/NDF: 2149.8/35

All: 297.634+/-31.370 χ^2/NDF: 4115.3/72

- sign 88.471+/-42.971 χ^2/NDF: 1914.7/36

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 217.496+/-0.040 χ^2/NDF:864025.5/19

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

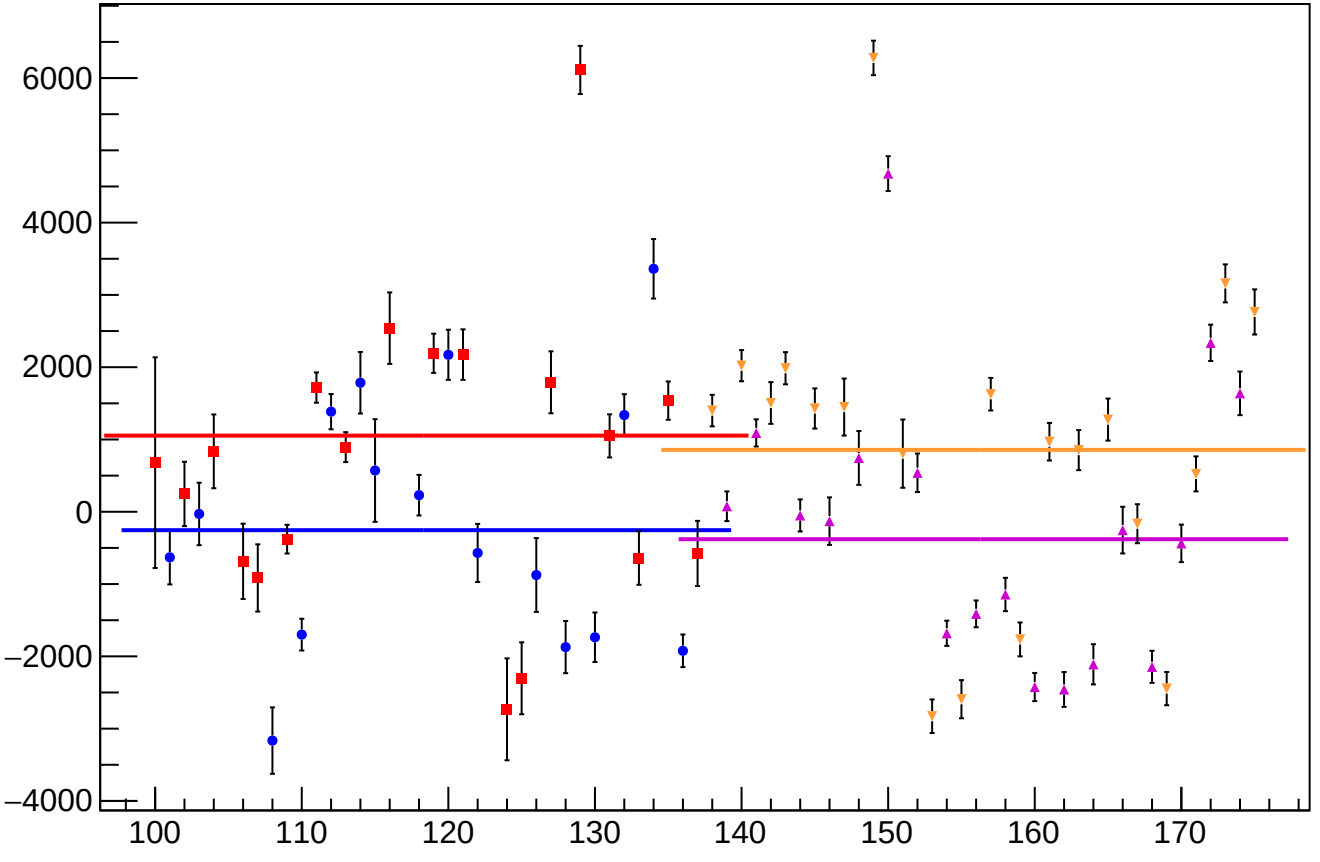
Left In: 197.569+/-0.038 χ^2/NDF:1042809.0/17

+ sign 212.688+/-0.032 χ^2/NDF: 1980369.0/35

All: 202.521+/-0.022 χ^2/NDF: 4721011.4/72

- sign 193.611+/-0.030 χ^2/NDF: 2556546.1/36

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 856.647+/-57.644 χ^2/NDF:1485.7/19

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

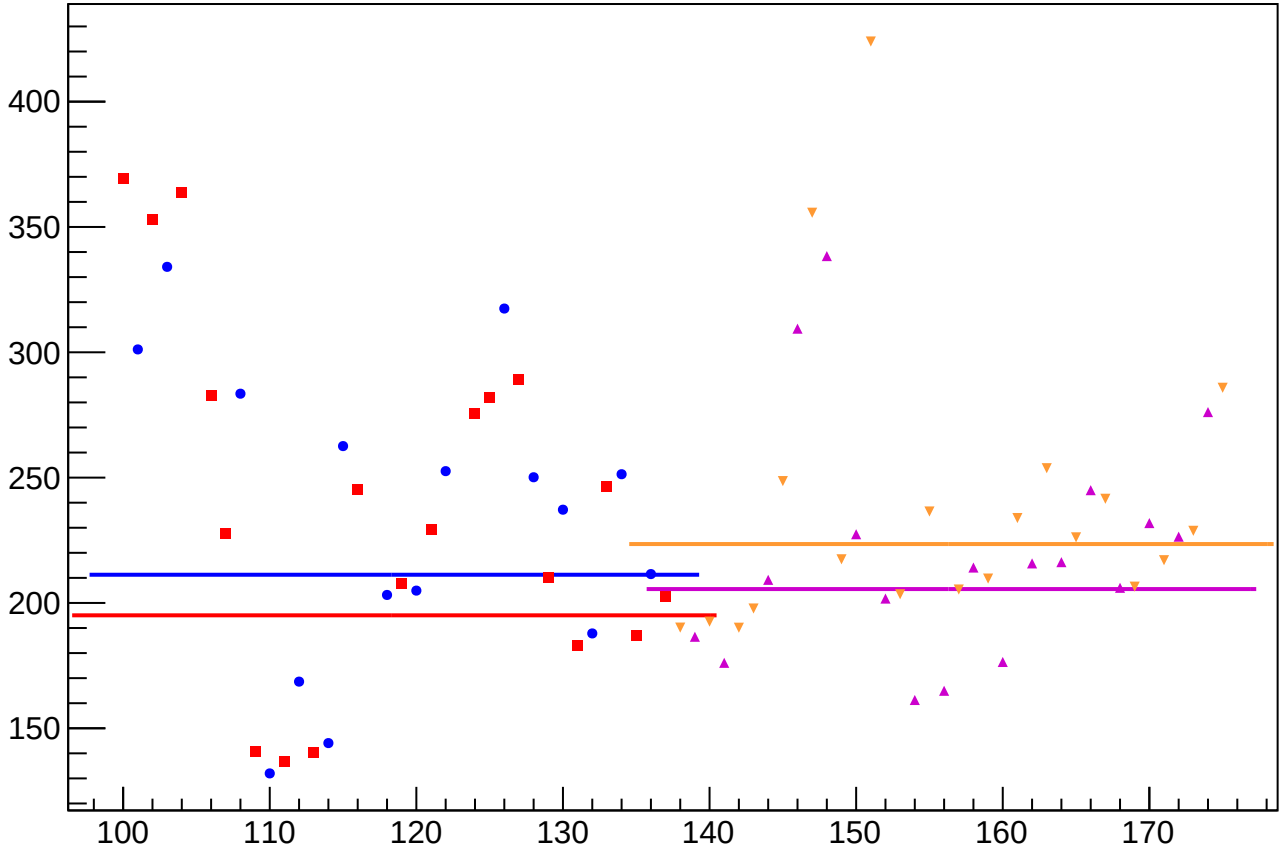
Left In: -379.538+/-55.154 χ^2/NDF:1076.3/17

+ sign 492.087+/-47.250 χ^2/NDF: 2016.9/35

All: 292.897+/-32.446 χ^2/NDF: 3837.6/72

- sign 115.169+/-44.632 χ^2/NDF: 1787.0/36

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 223.498+/-0.041 χ^2/NDF:912688.5/19

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

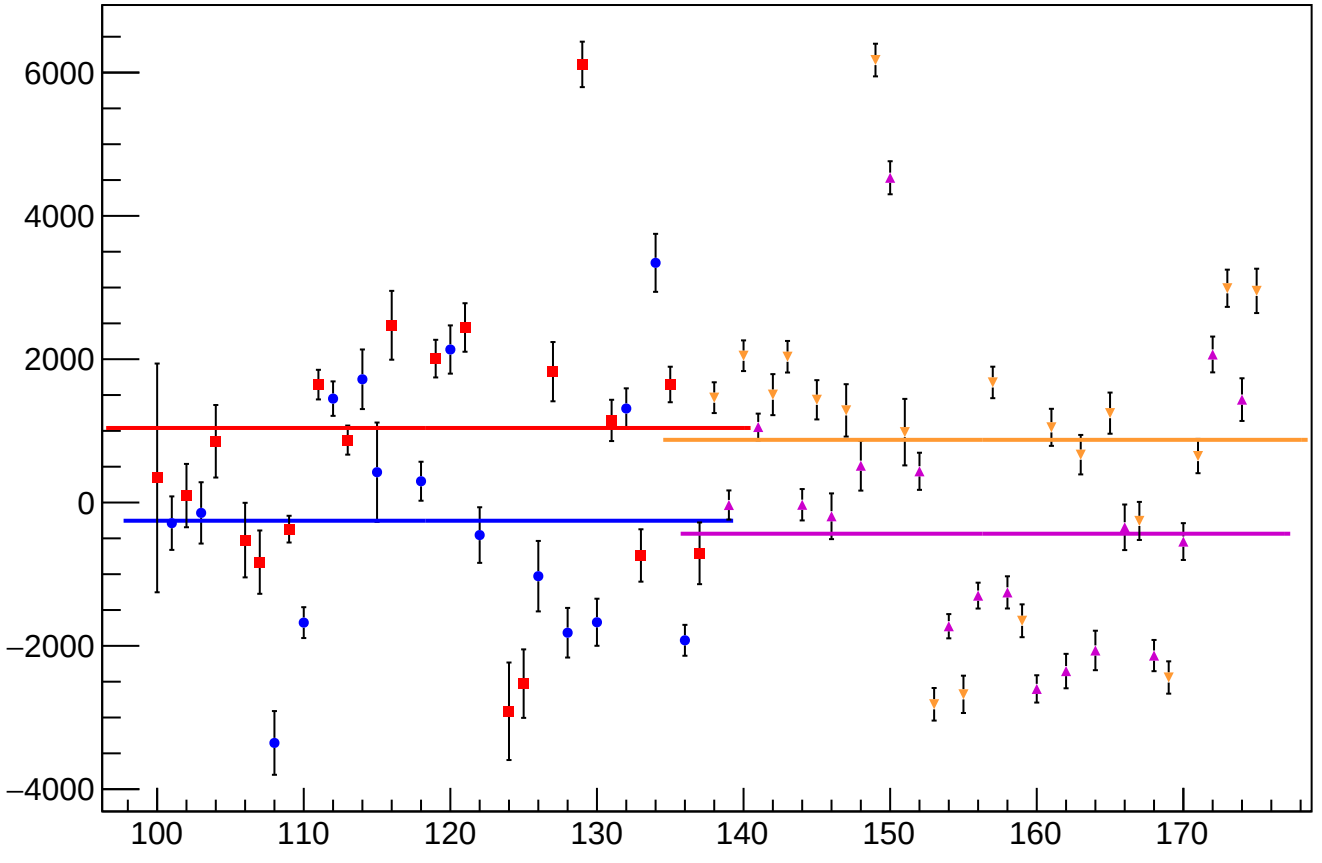
Left In: 205.540+/-0.039 χ^2/NDF:989995.8/17

+ sign 219.481+/-0.033 χ^2/NDF: 1826661.2/35

All: 210.202+/-0.023 χ^2/NDF: 4272394.7/72

- sign 201.923+/-0.032 χ^2/NDF: 2299793.1/36

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 874.797+/-56.646 χ^2/NDF:1549.9/19

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

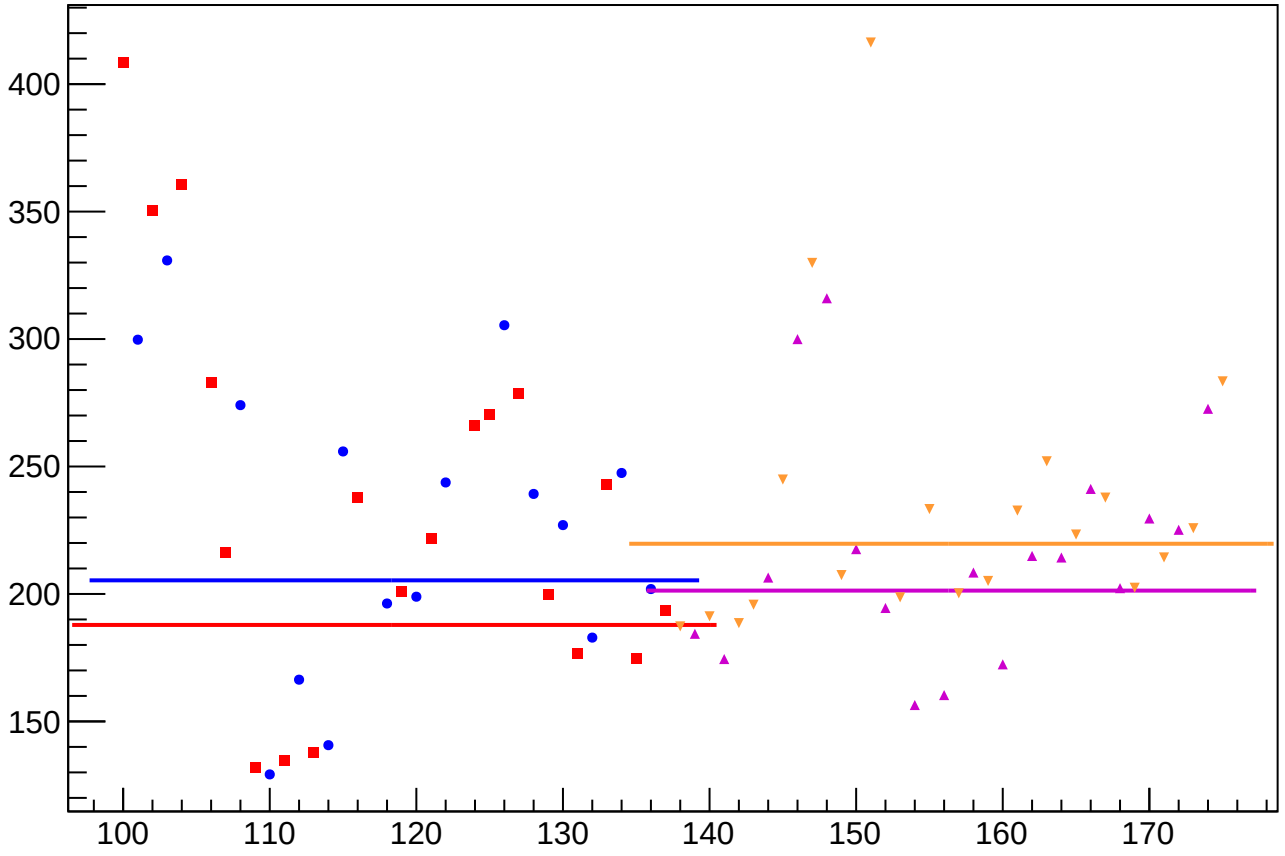
Left In: -435.222+/-54.033 χ^2/NDF:1077.7/17

+ sign 499.221+/-46.273 χ^2/NDF: 2114.1/35

All: 278.680+/-31.697 χ^2/NDF: 4030.2/72

- sign 83.721+/-43.507 χ^2/NDF: 1873.3/36

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 219.694+/-0.040 χ^2/NDF:878678.0/19

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

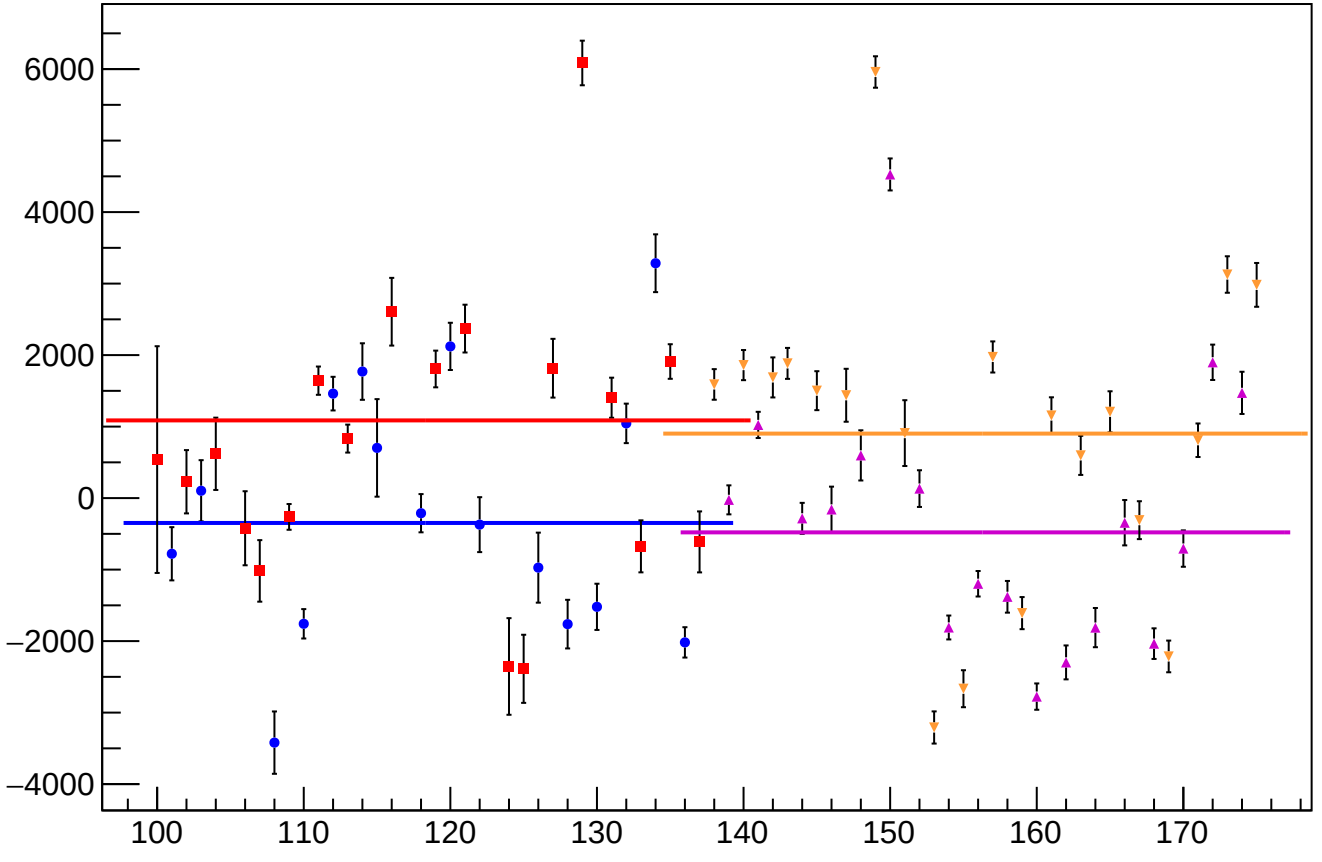
Left In: 201.318+/-0.038 χ^2/NDF:967781.4/17

+ sign 214.919+/-0.033 χ^2/NDF: 1798794.7/35

All: 205.185+/-0.022 χ^2/NDF: 4314054.3/72

- sign 196.581+/-0.031 χ^2/NDF: 2348538.8/36

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 902.062+/-55.907 χ^2/NDF:1612.4/19

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

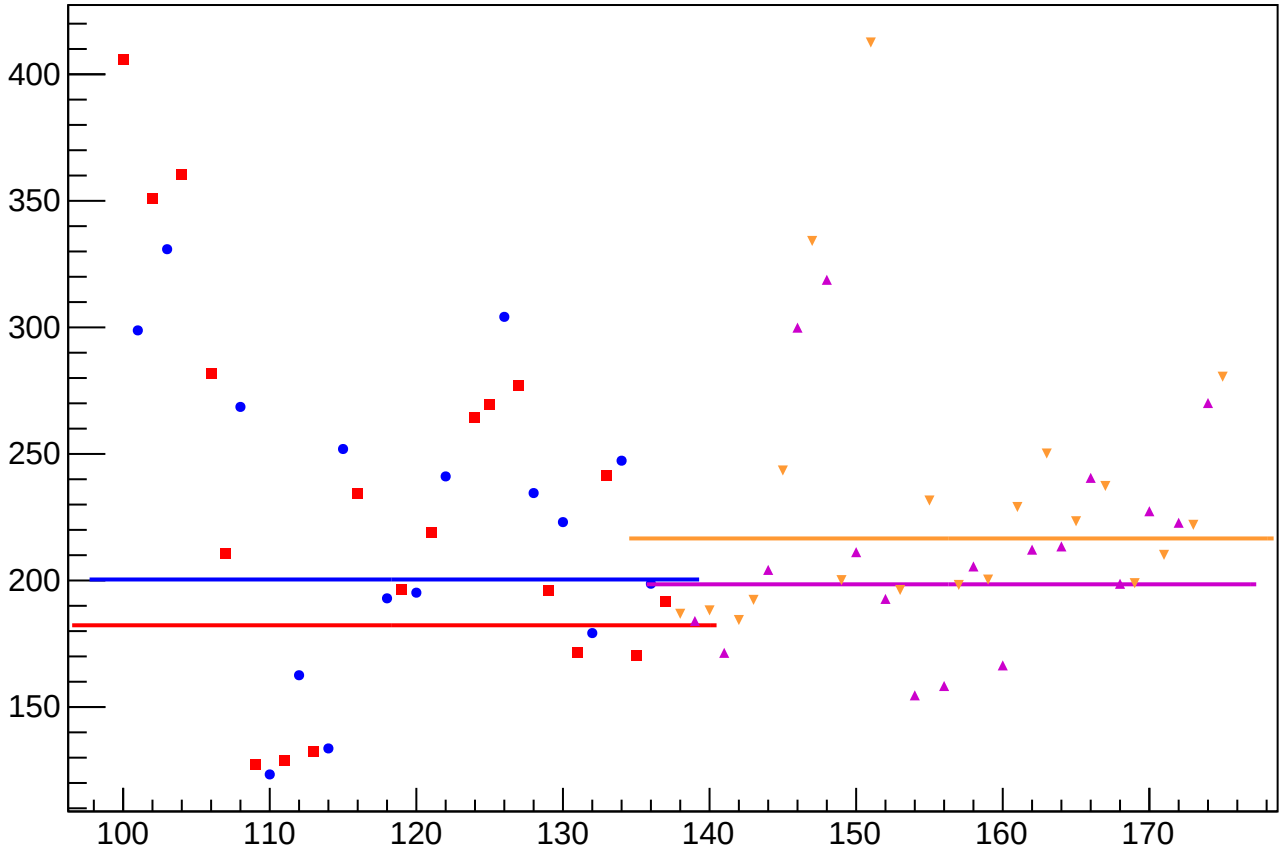
Left In: -479.349+/-53.326 χ^2/NDF:1113.7/17

+ sign 481.971+/-45.552 χ^2/NDF: 2226.1/35

All: 268.259+/-31.174 χ^2/NDF: 4216.5/72

- sign 79.986+/-42.755 χ^2/NDF: 1948.9/36

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 216.612+/-0.040 χ^2/NDF:919648.0/19

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

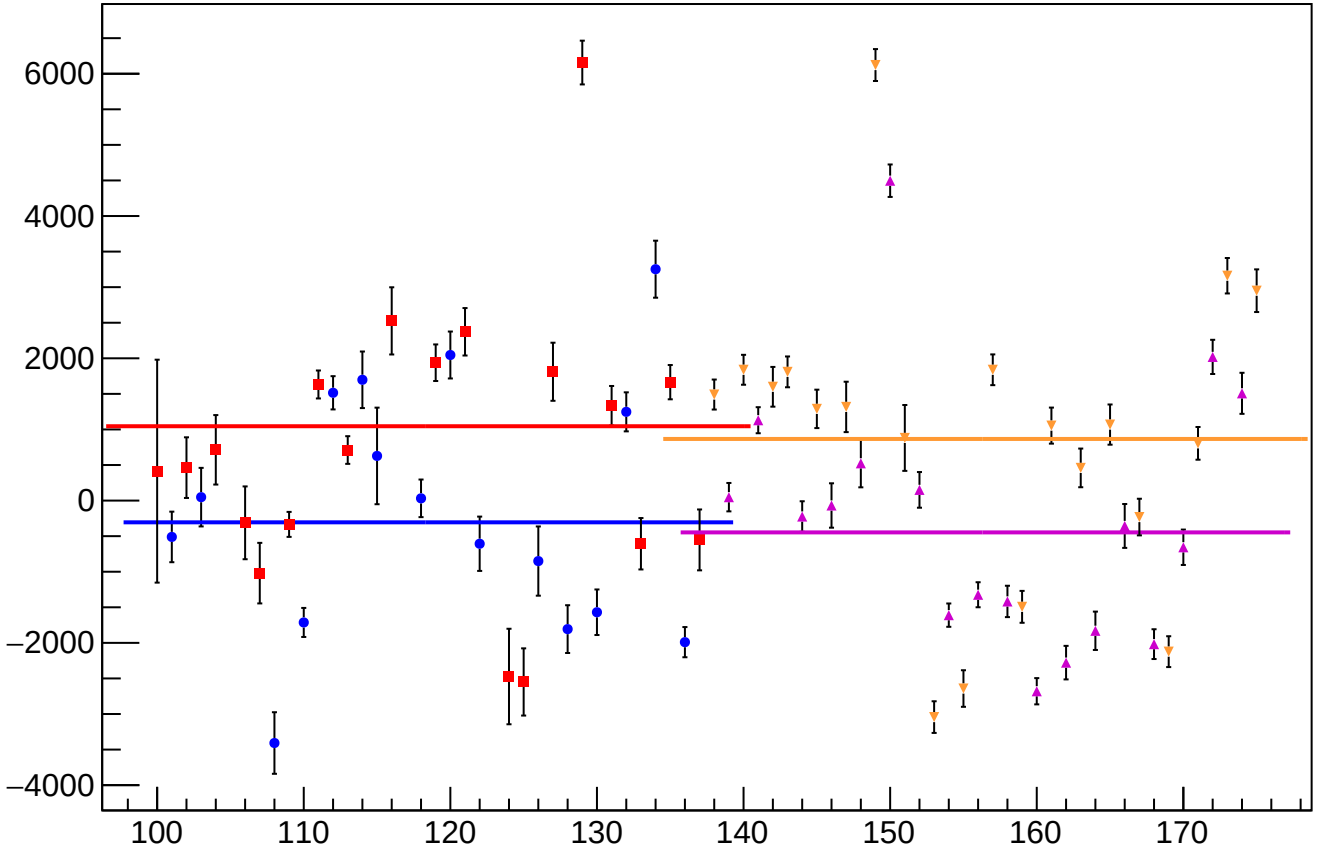
Left In: 198.492+/-0.038 χ^2/NDF:1012376.0/17

+ sign 211.162+/-0.032 χ^2/NDF: 1935191.7/35

All: 201.352+/-0.022 χ^2/NDF: 4635107.4/72

- sign 192.709+/-0.030 χ^2/NDF: 2525421.3/36

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 866.379+/-55.364 χ^2/NDF:1580.0/19

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

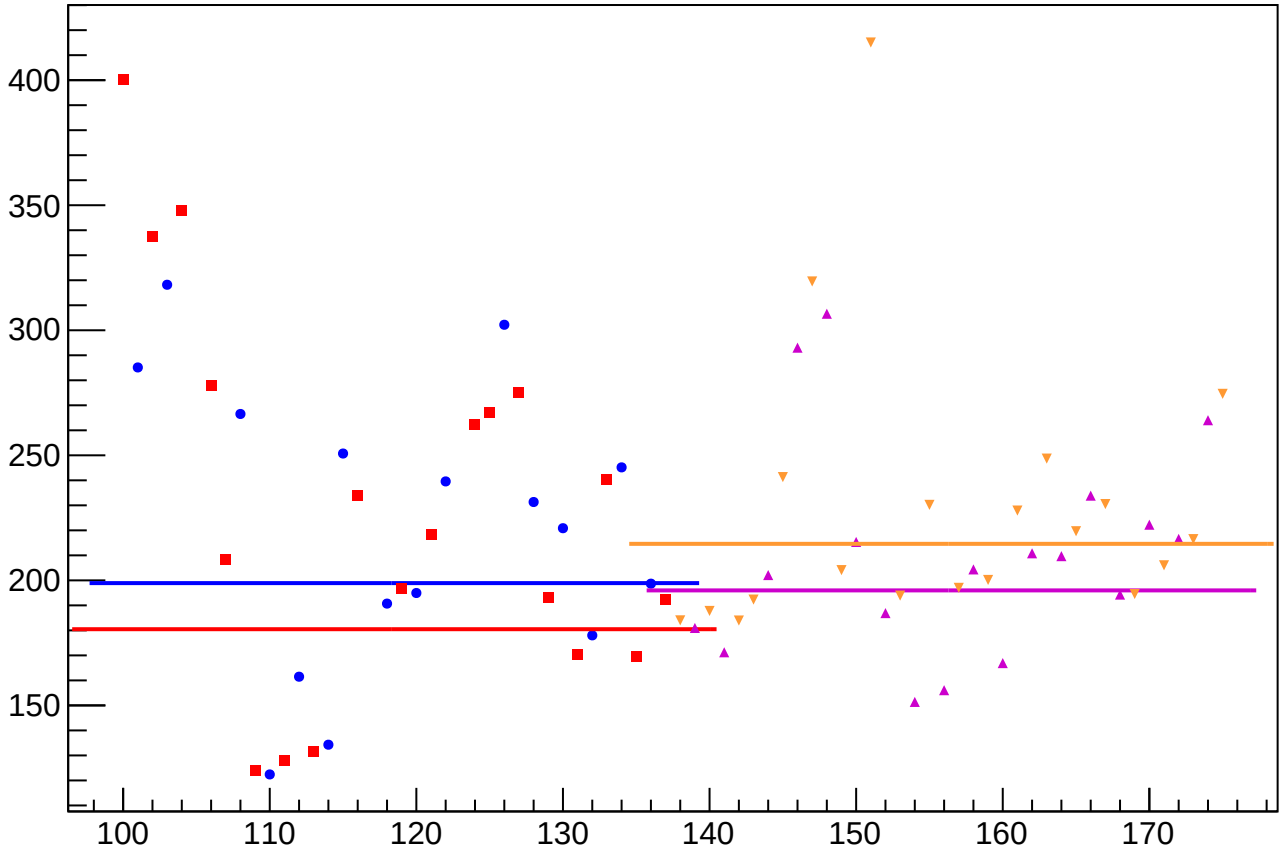
Left In: -447.098+/-52.642 χ^2/NDF:1102.1/17

+ sign 472.843+/-45.122 χ^2/NDF: 2182.3/35

All: 265.623+/-30.840 χ^2/NDF: 4162.1/72

- sign 83.943+/-42.250 χ^2/NDF: 1940.2/36

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 214.604+/-0.039 χ^2/NDF:885900.5/19

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

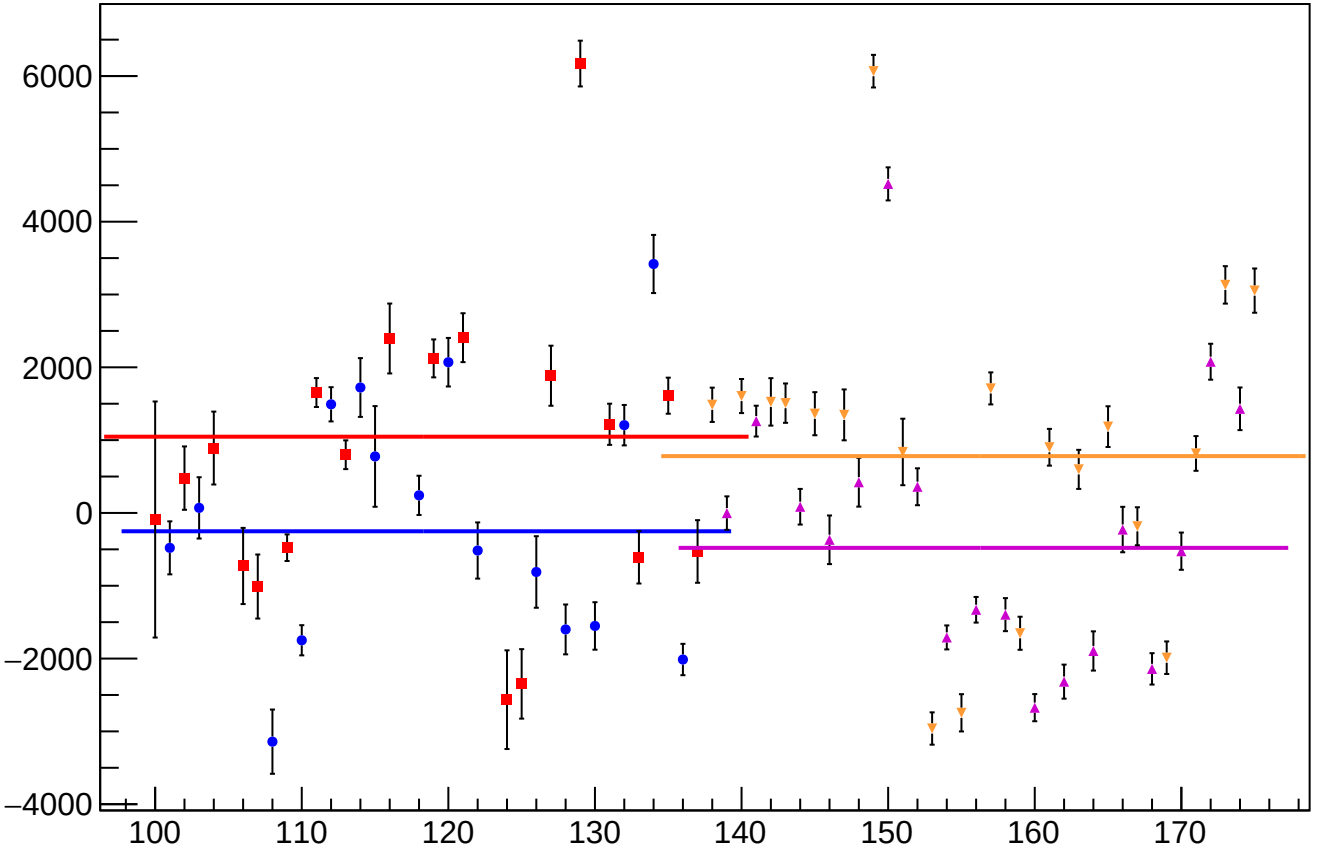
Left In: 195.990+/-0.037 χ^2/NDF:969814.7/17

+ sign 209.332+/-0.032 χ^2/NDF: 1852679.3/35

All: 199.281+/-0.022 χ^2/NDF: 4505032.2/72

- sign 190.468+/-0.030 χ^2/NDF: 2466093.7/36

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 780.193+/-57.739 χ^2/NDF:1513.9/19

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

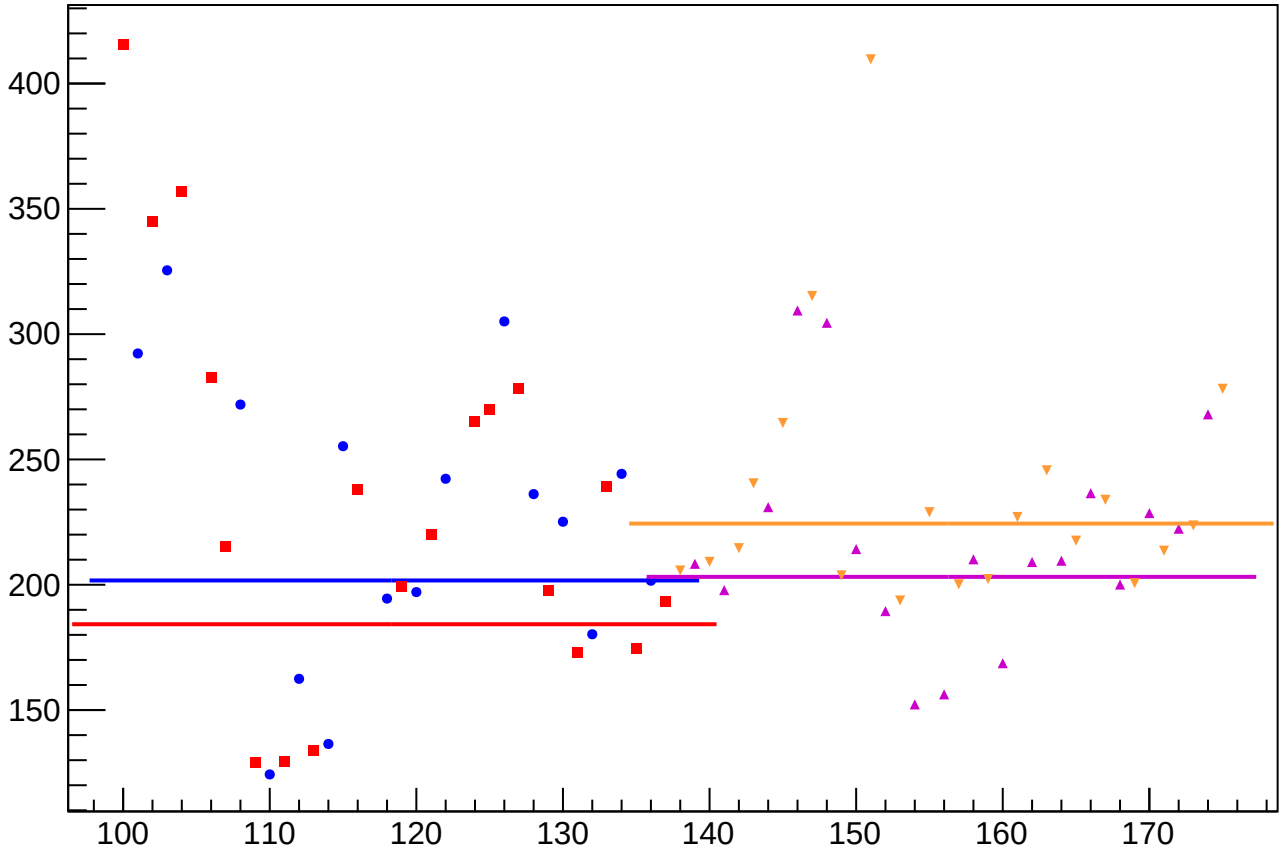
Left In: -479.667+/-54.619 χ^2/NDF:1113.5/17

+ sign 420.720+/-46.610 χ^2/NDF: 2066.4/35

All: 236.786+/-31.824 χ^2/NDF: 4040.3/72

- sign 76.162+/-43.557 χ^2/NDF: 1944.7/36

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 224.408+/-0.041 χ^2/NDF:736183.5/19

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

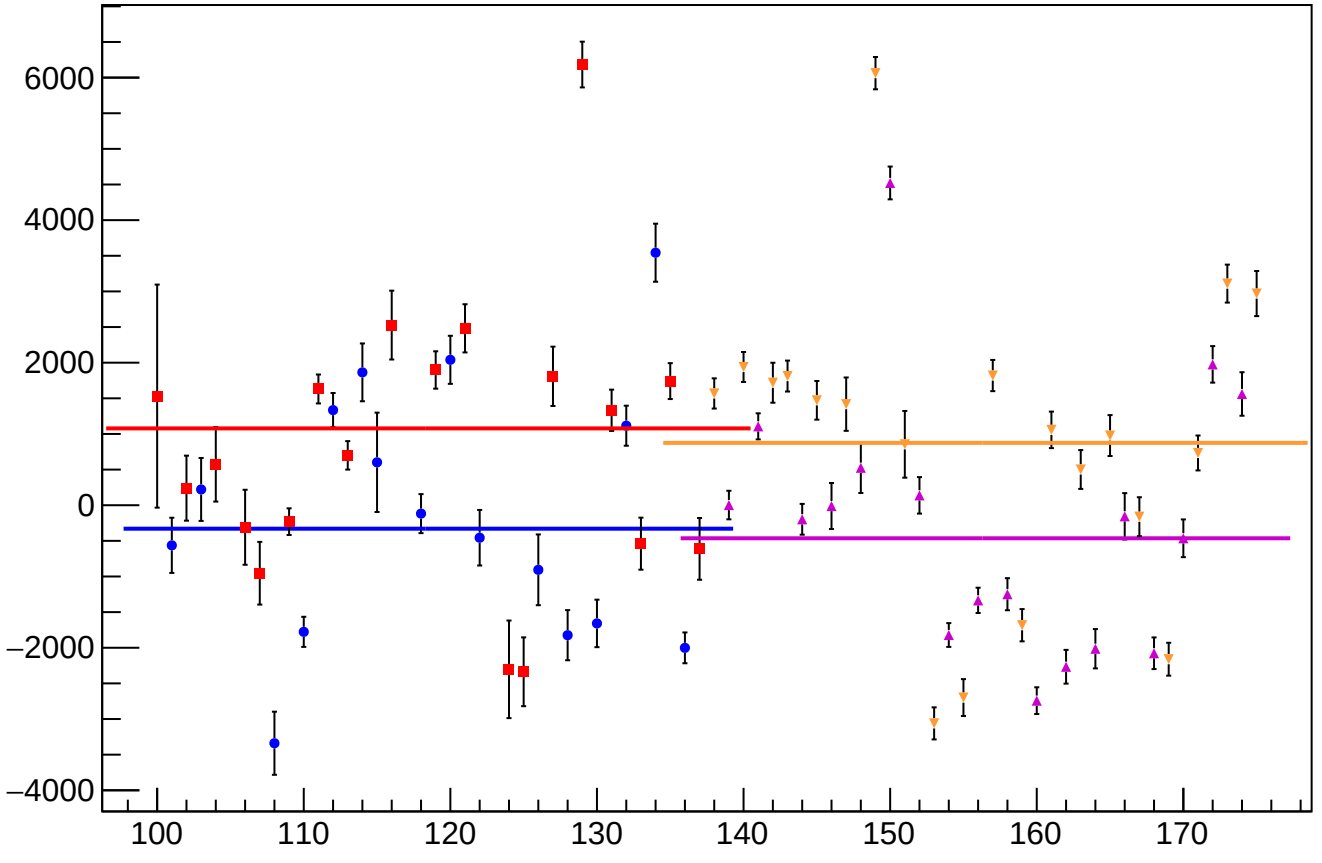
Left In: 203.151+/-0.039 χ^2/NDF:982644.8/17

+ sign 216.503+/-0.033 χ^2/NDF: 1768023.5/35

All: 205.701+/-0.023 χ^2/NDF: 4442898.4/72

- sign 196.268+/-0.031 χ^2/NDF: 2473655.7/36

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 874.956+/-56.583 χ^2/NDF:1542.1/19

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

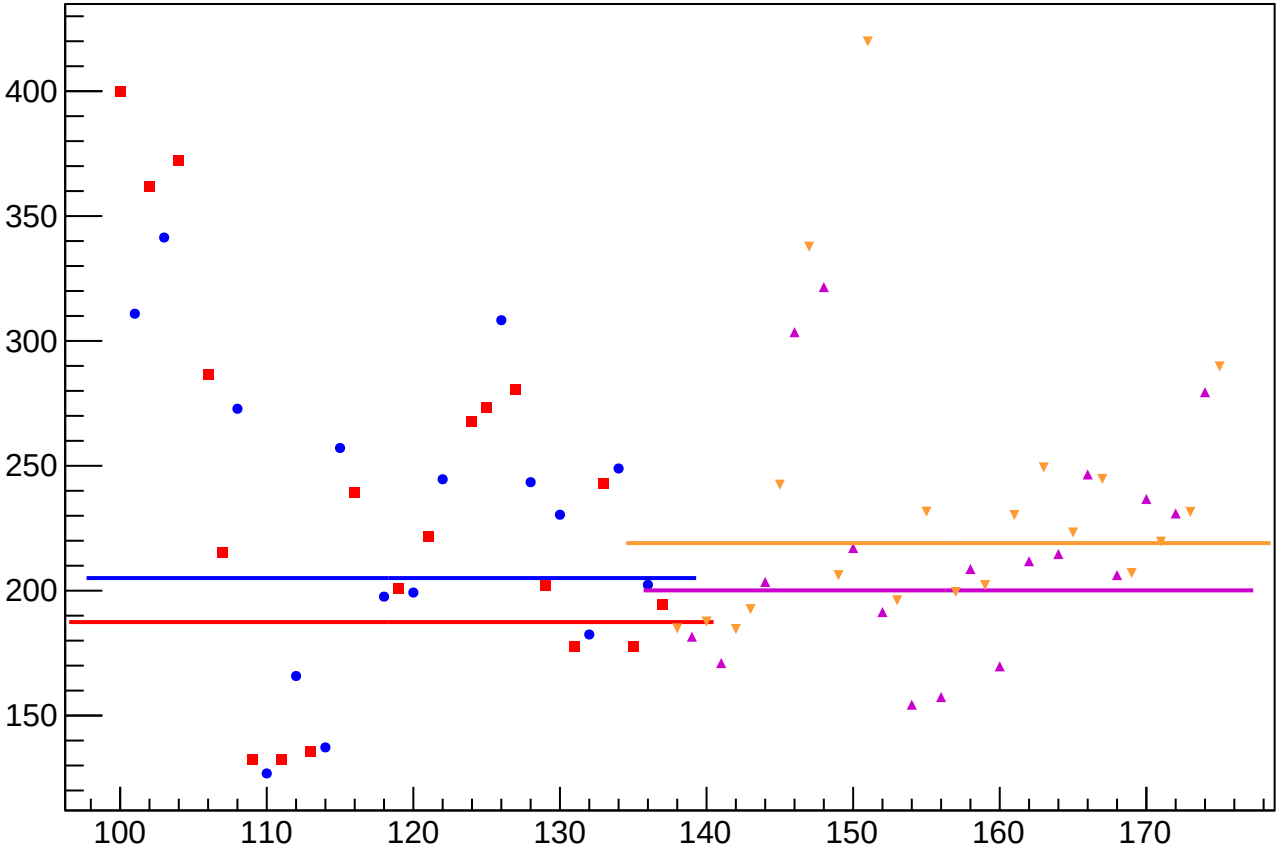
Left In: -463.940+/-53.862 χ^2/NDF:1093.4/17

+ sign 475.824+/-46.266 χ^2/NDF: 2128.6/35

All: 263.083+/-31.663 χ^2/NDF: 4050.5/72

- sign 75.664+/-43.425 χ^2/NDF: 1882.1/36

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 219.058+/-0.040 χ^2/NDF:955760.3/19

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

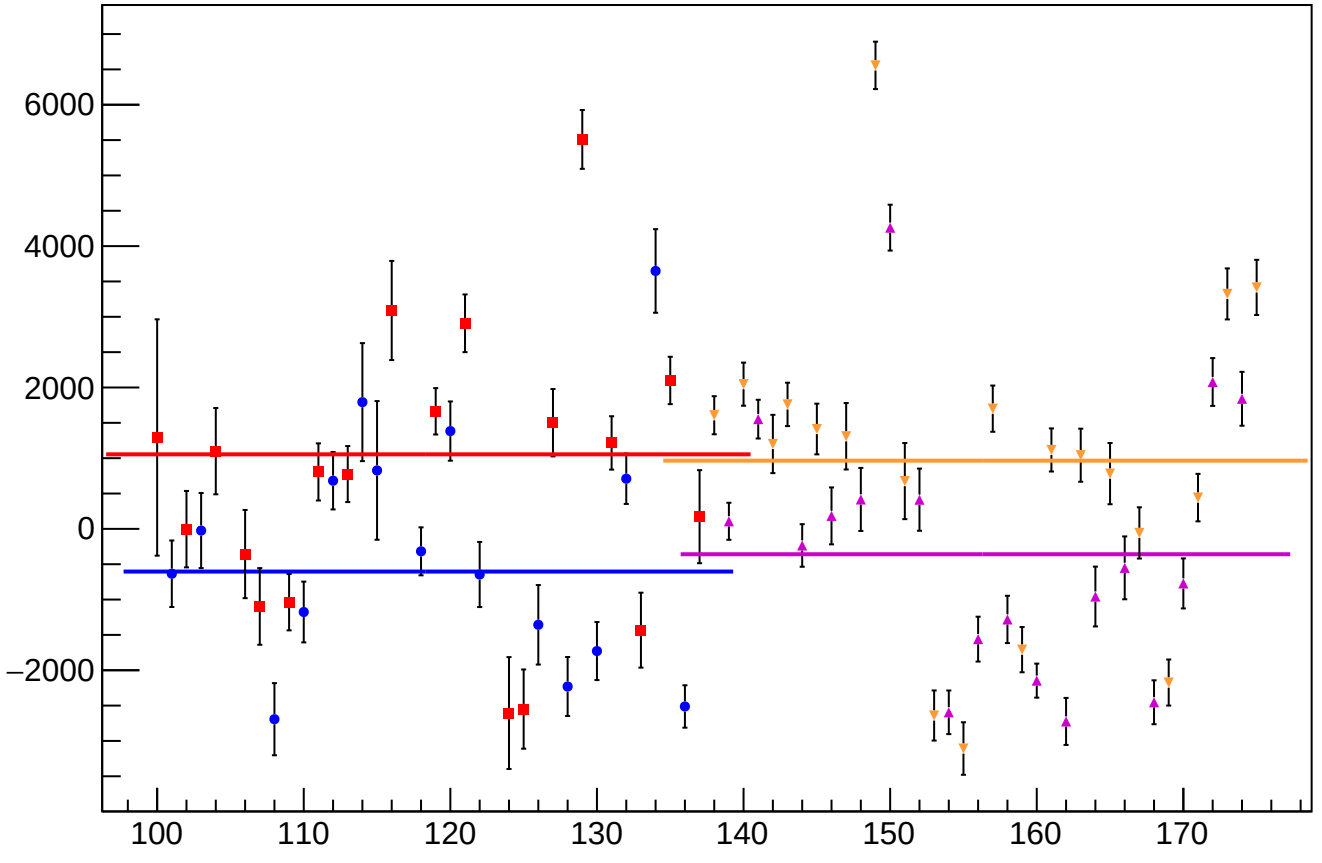
Left In: 200.122+/-0.038 χ^2/NDF:1097994.5/17

+ sign 214.417+/-0.033 χ^2/NDF: 1959419.9/35

All: 204.456+/-0.022 χ^2/NDF: 4681447.3/72

- sign 195.681+/-0.031 χ^2/NDF: 2547655.8/36

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 965.057+/-78.245 χ^2/NDF:790.1/19

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

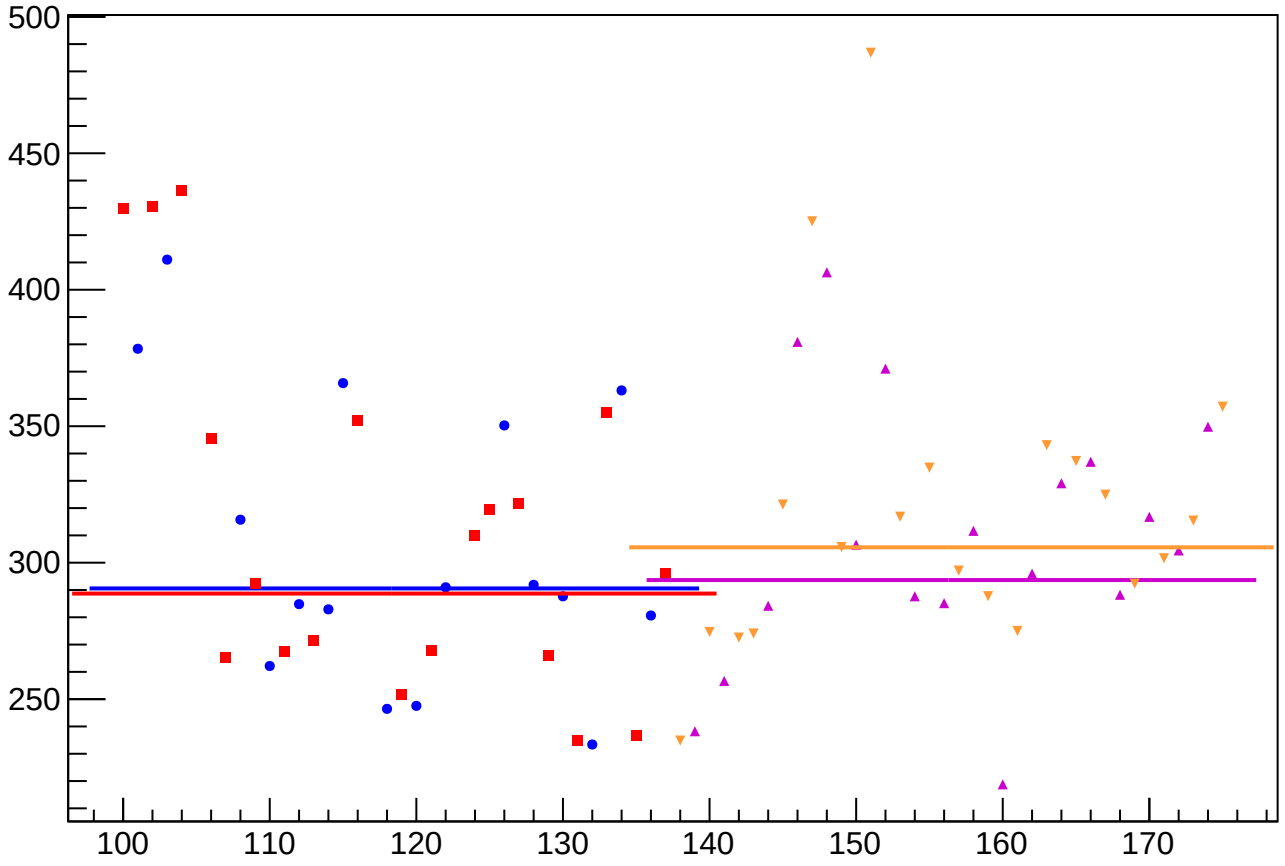
Left In: -358.897+/-77.846 χ^2/NDF:576.9/17

+ sign 442.322+/-63.894 χ^2/NDF: 1117.6/35

All: 280.836+/-44.934 χ^2/NDF: 2117.2/72

- sign 122.823+/-63.203 χ^2/NDF: 986.9/36

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 305.631+/-0.055 χ^2/NDF:670952.2/19

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

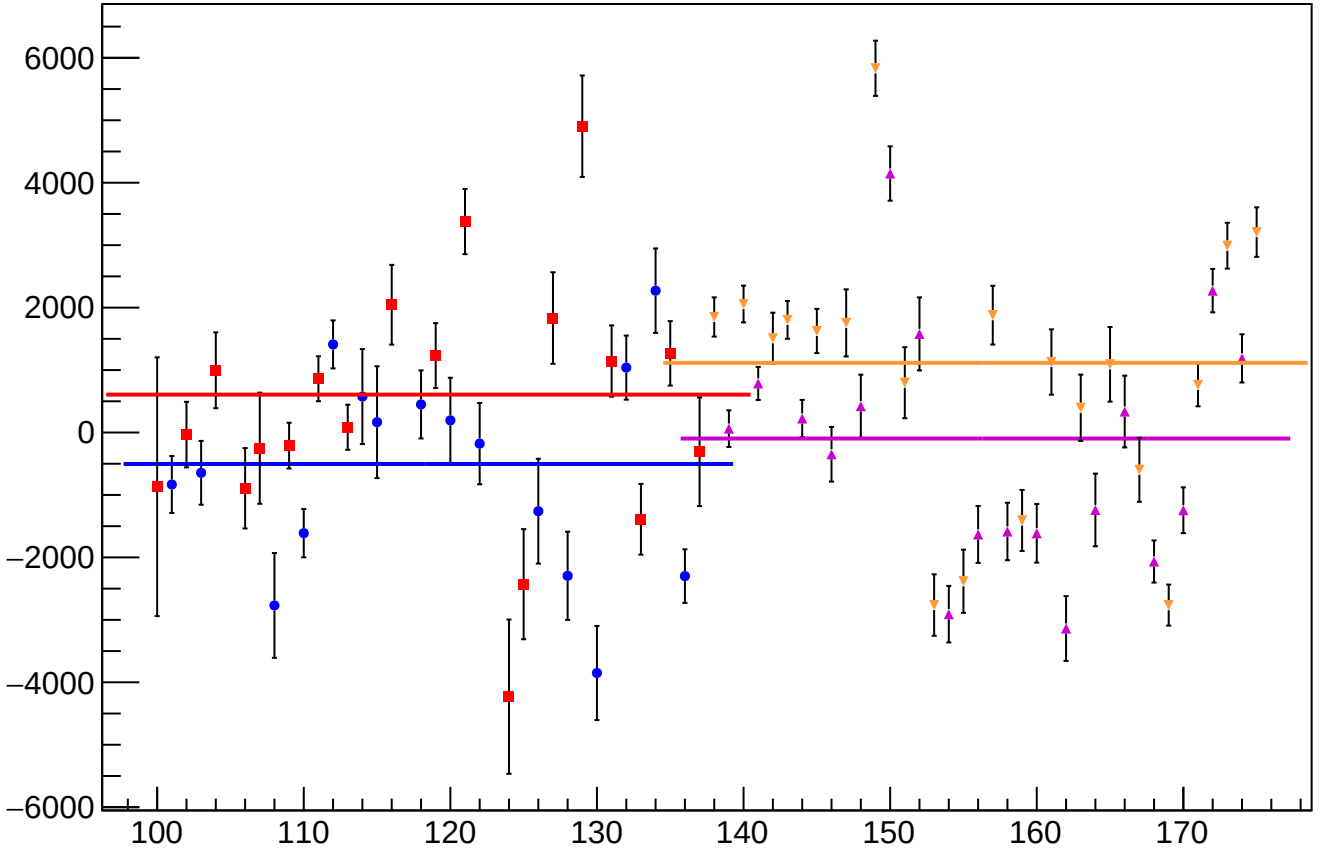
Left In: 293.640+/-0.055 χ^2/NDF:703467.0/17

+ sign 300.611+/-0.045 χ^2/NDF: 1055459.2/35

All: 296.235+/-0.032 χ^2/NDF: 2269349.6/72

- sign 291.952+/-0.045 χ^2/NDF: 1195322.8/36

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1115.616+/-91.166 χ^2/NDF:486.2/19

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

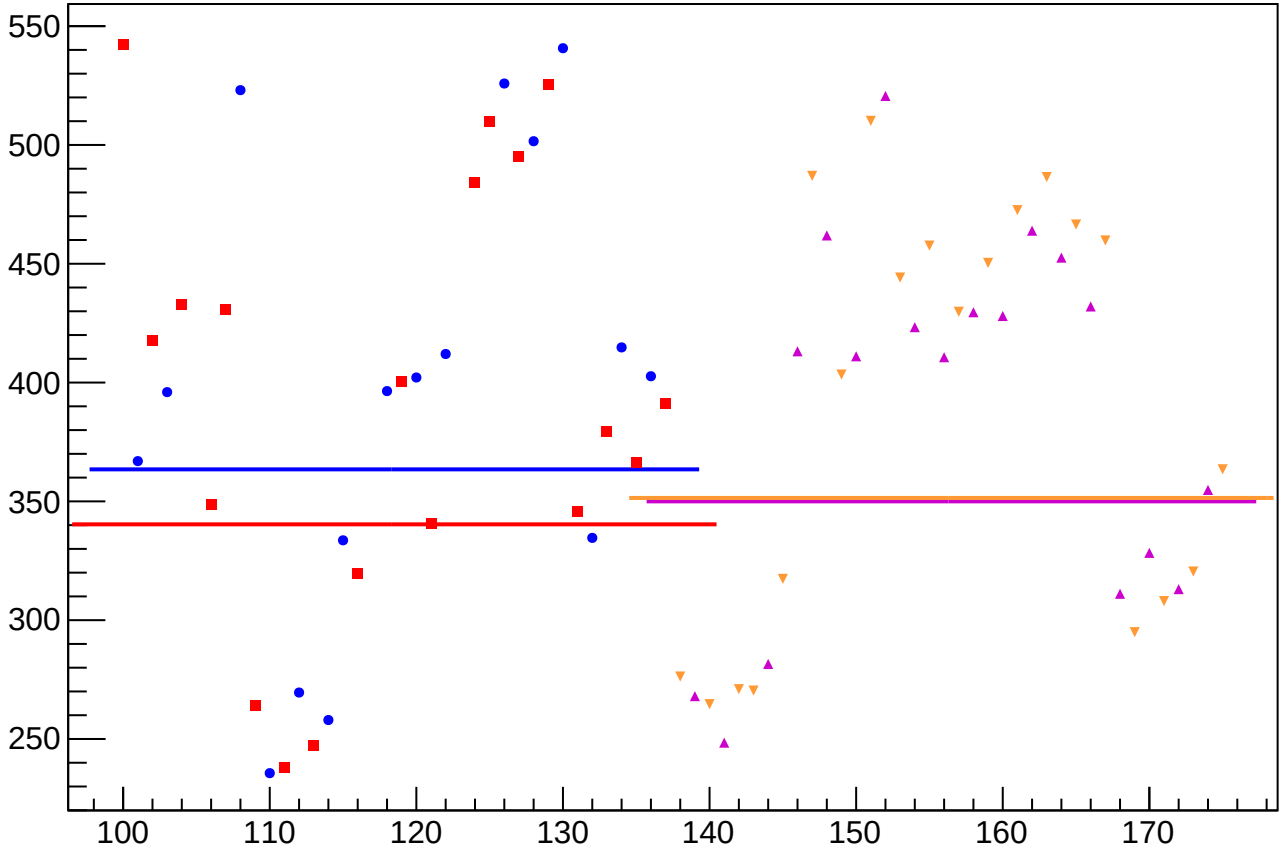
Left In: -96.570+/-93.531 χ^2/NDF:328.4/17

+ sign 633.710+/-76.406 χ^2/NDF: 698.4/35

All: 387.210+/-53.828 χ^2/NDF: 1191.9/72

- sign 144.318+/-75.845 χ^2/NDF: 472.9/36

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 351.439+/-0.064 χ^2/NDF:1642056.0/19

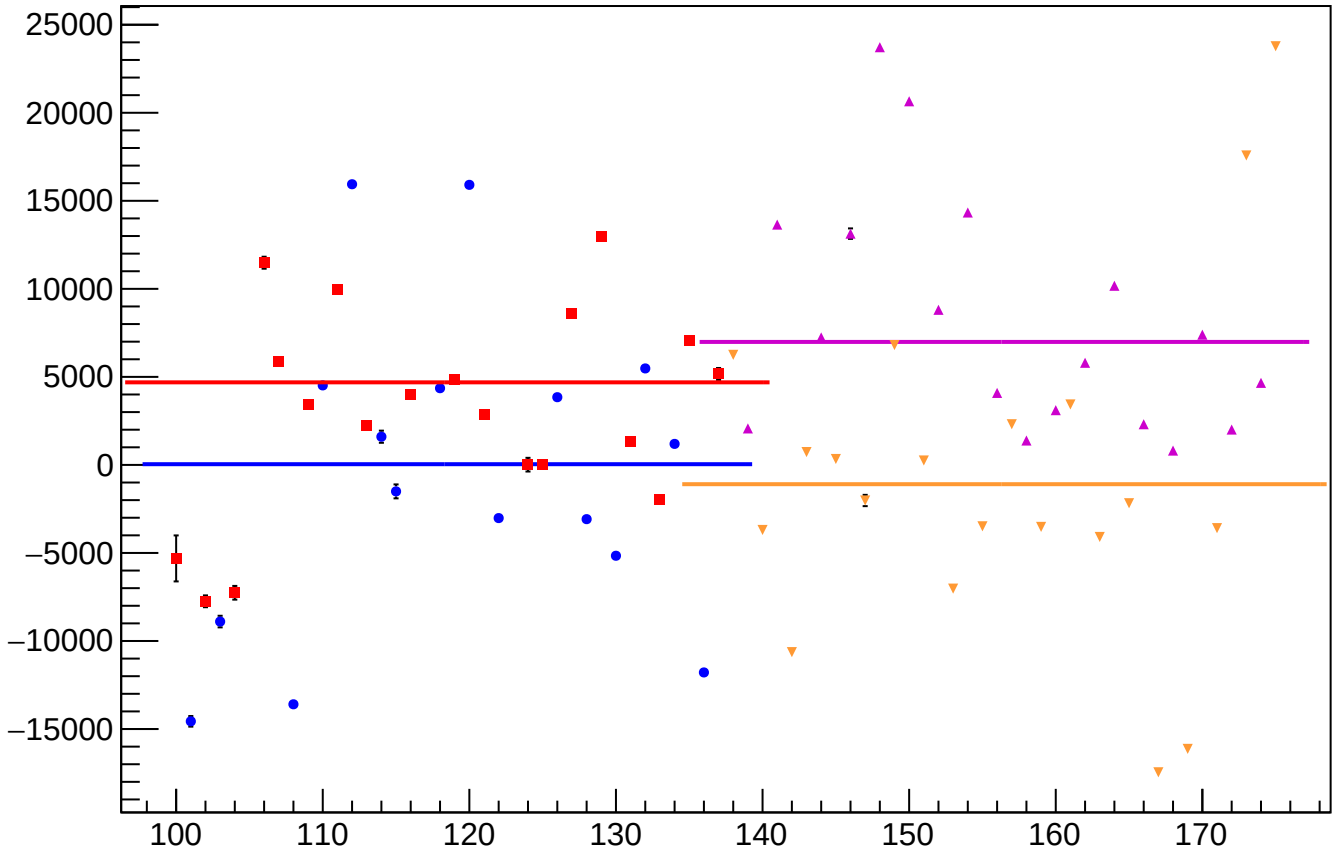
Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 350.005+/-0.066 χ^2/NDF:1363084.1/17

+ sign 355.020+/-0.054 χ^2/NDF: 2433317.3/35

All: 350.826+/-0.038 χ^2/NDF: 4671921.4/72

- sign 346.693+/-0.054 χ^2/NDF: 2226640.0/36



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1094.660+/-43.346 χ^2/NDF:46148.1/19

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

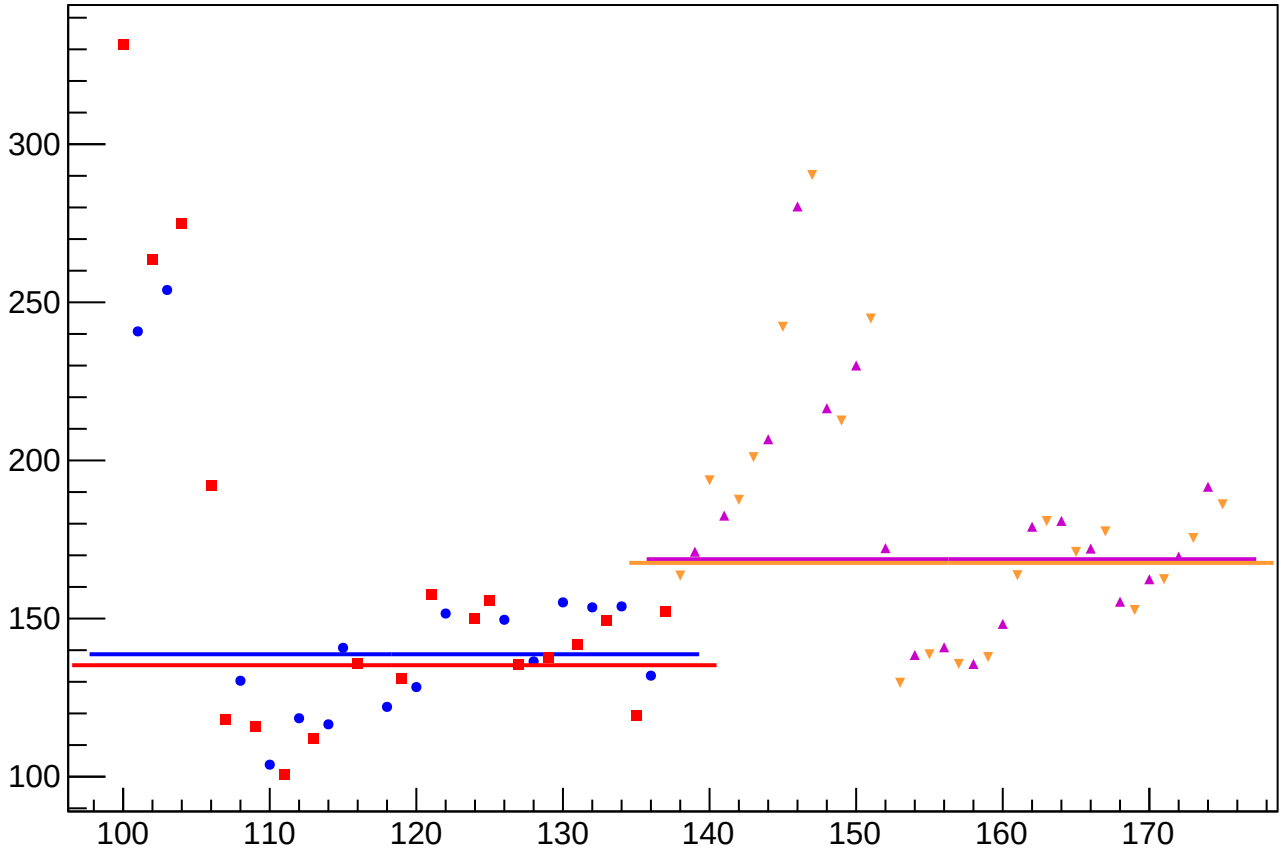
Left In: 6985.642+/-45.211 χ^2/NDF:17737.5/17

+ sign -651.675+/-33.851 χ^2/NDF: 77202.1/35

All: 2645.061+/-24.040 χ^2/NDF: 122977.8/72

- sign 5999.301+/-34.145 χ^2/NDF: 26641.1/36

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.615+/-0.031 χ^2/NDF:1179557.0/19

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

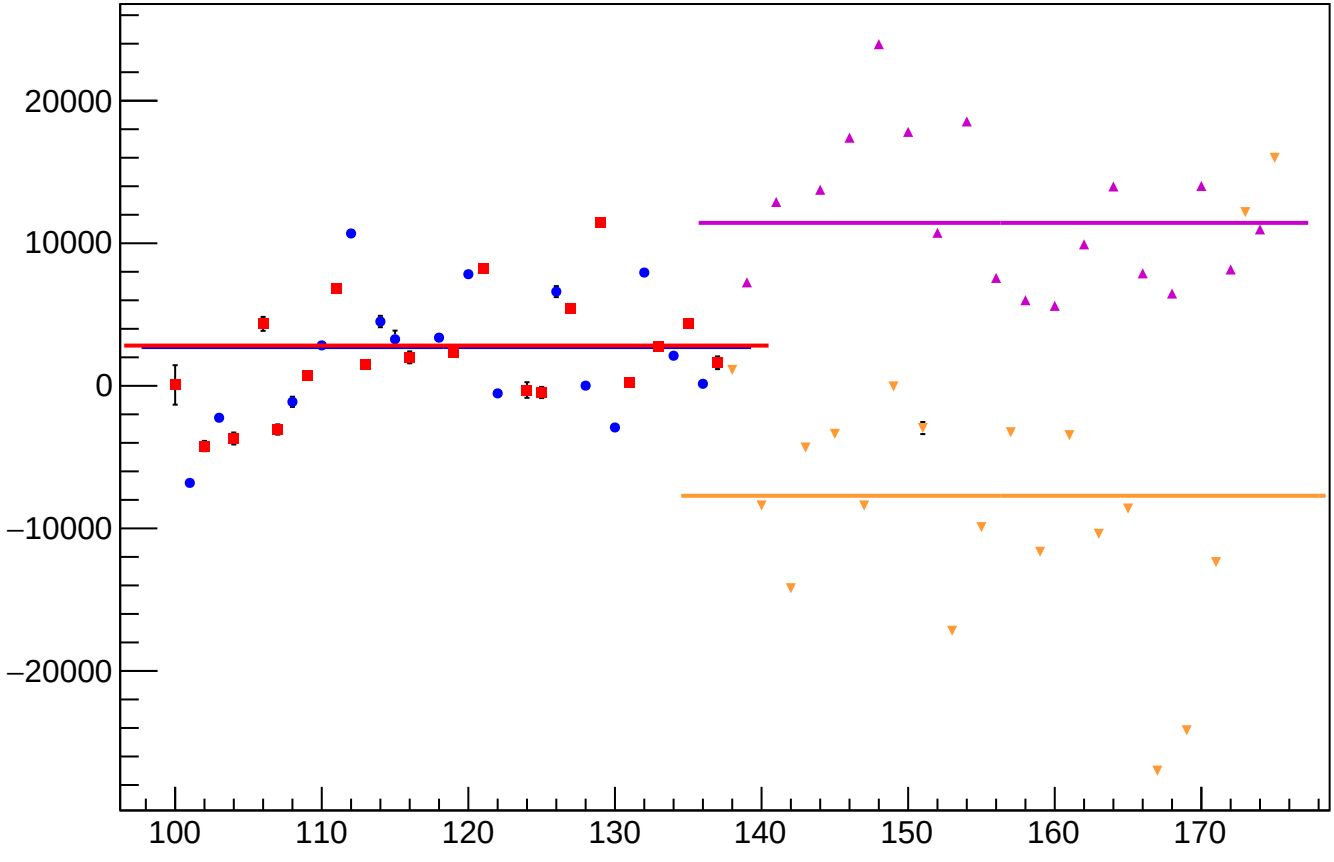
Left In: 168.767+/-0.032 χ^2/NDF:885471.2/17

+ sign 156.340+/-0.024 χ^2/NDF: 2184244.4/35

All: 155.361+/-0.017 χ^2/NDF: 4435470.9/72

- sign 154.366+/-0.024 χ^2/NDF: 2247855.4/36

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -7712.176+/-50.902 χ^2/NDF:39148.6/19

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

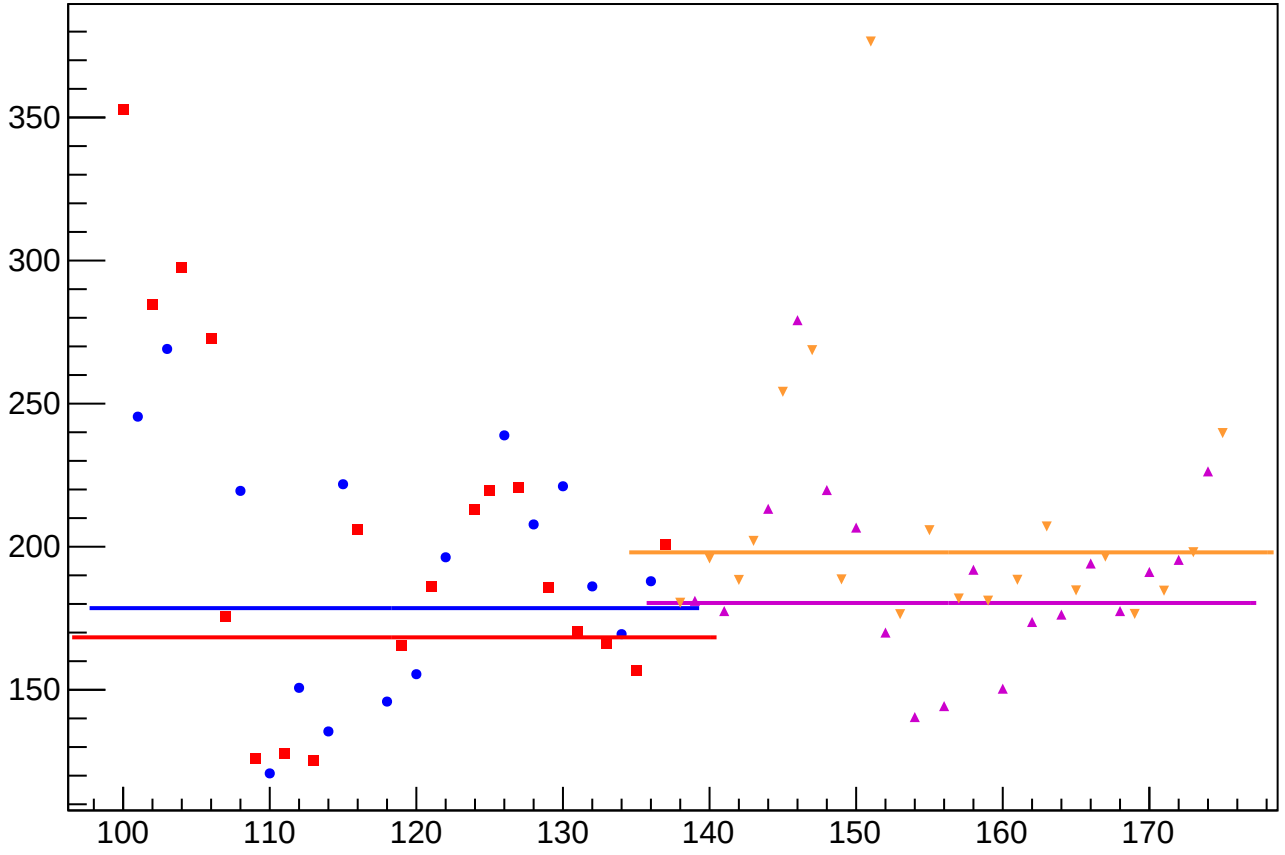
Left In: 11431.955+/-48.267 χ^2/NDF:10574.4/17

+ sign -4052.663+/-41.013 χ^2/NDF: 58012.0/35

All: 2512.211+/-28.155 χ^2/NDF: 131444.5/72

- sign 8363.253+/-38.720 χ^2/NDF: 24976.0/36

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.029+/-0.036 χ^2/NDF:716878.9/19

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

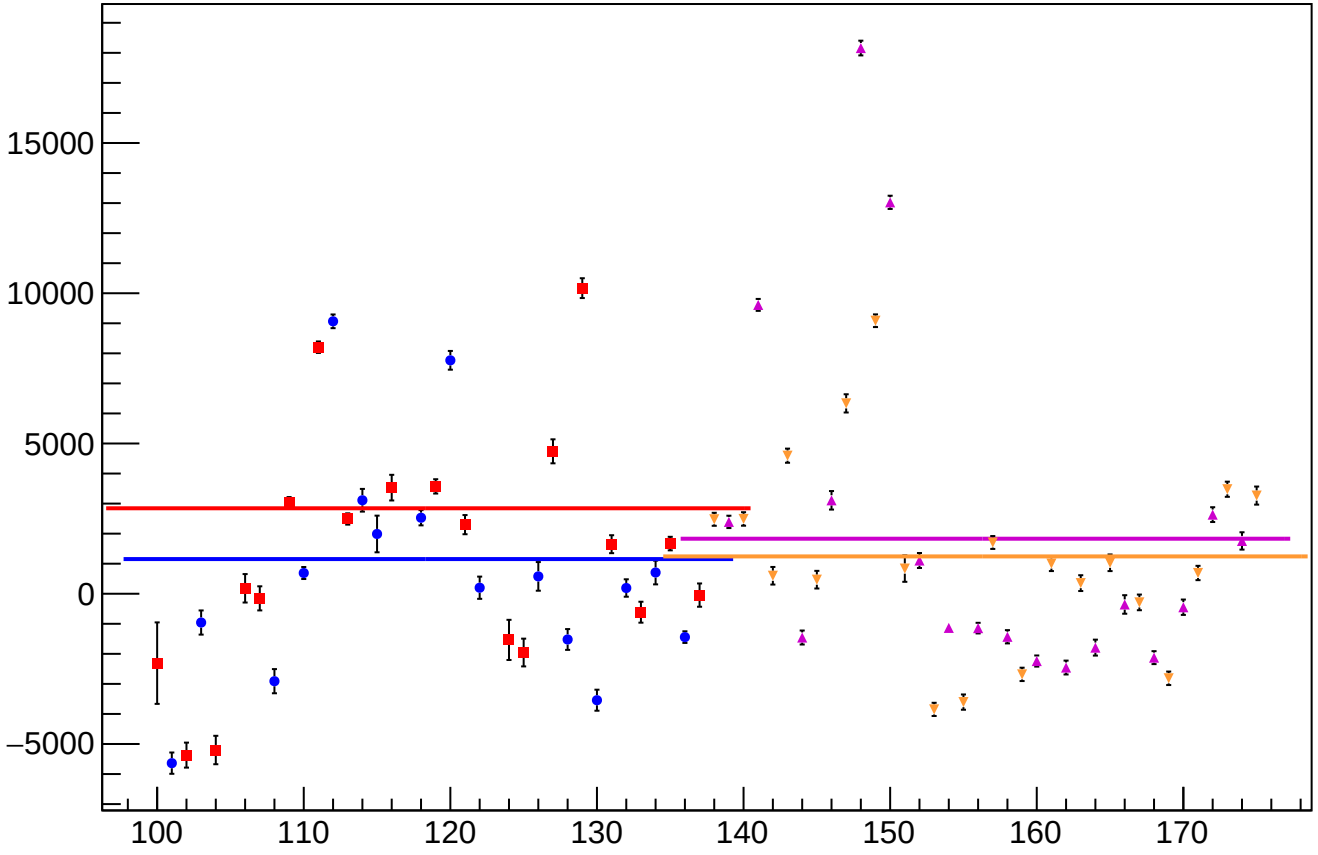
Left In: 180.343+/-0.034 χ^2/NDF:750646.8/17

+ sign 191.193+/-0.029 χ^2/NDF: 1494279.1/35

All: 183.193+/-0.020 χ^2/NDF: 3412460.7/72

- sign 176.062+/-0.027 χ^2/NDF: 1774265.5/36

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1242.304+/-55.779 χ^2/NDF:3662.1/19

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

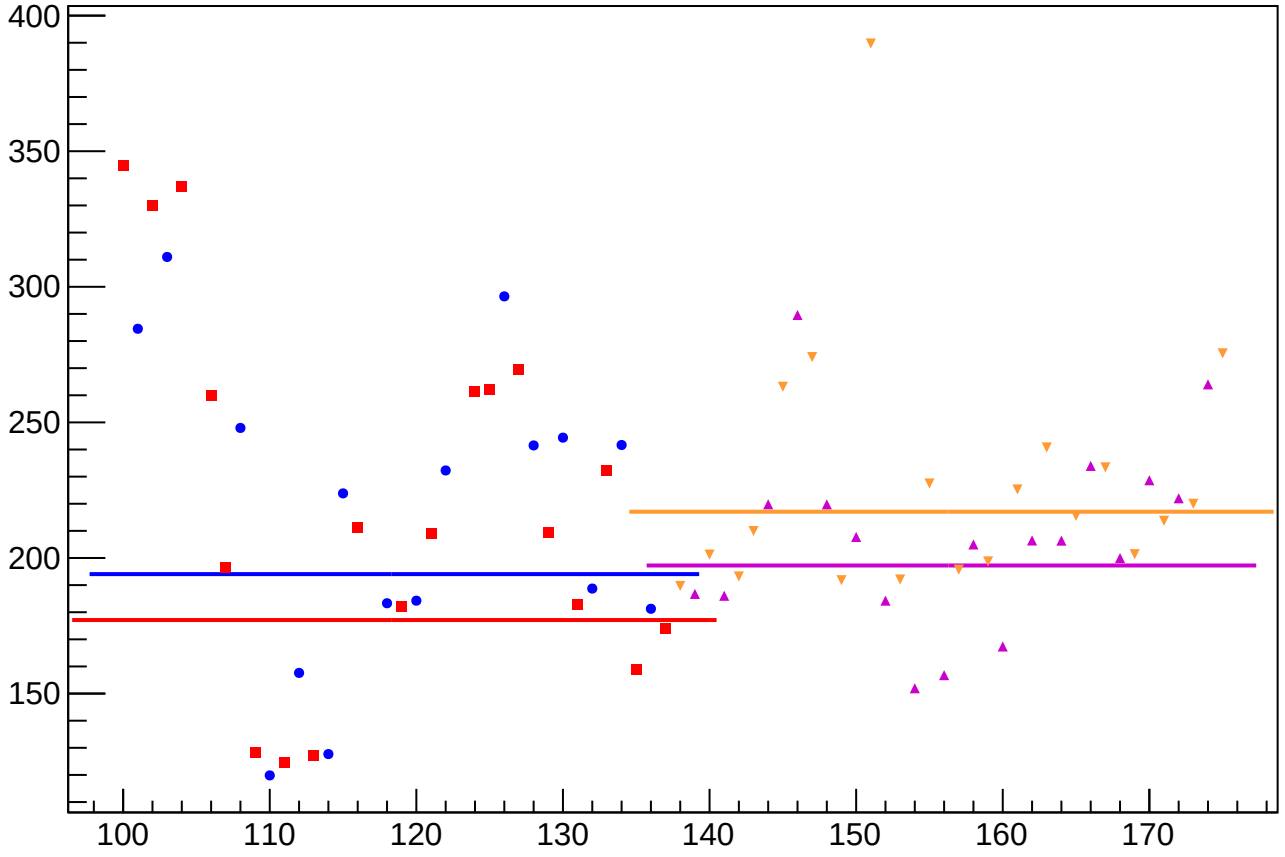
Left In: 1831.110+/-52.801 χ^2/NDF:11093.1/17

+ sign 1211.306+/-44.958 χ^2/NDF: 6318.4/35

All: 1741.923+/-30.677 χ^2/NDF: 20260.8/72

- sign 2204.201+/-41.963 χ^2/NDF: 13681.8/36

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 217.058+/-0.039 χ^2/NDF:688846.2/19

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

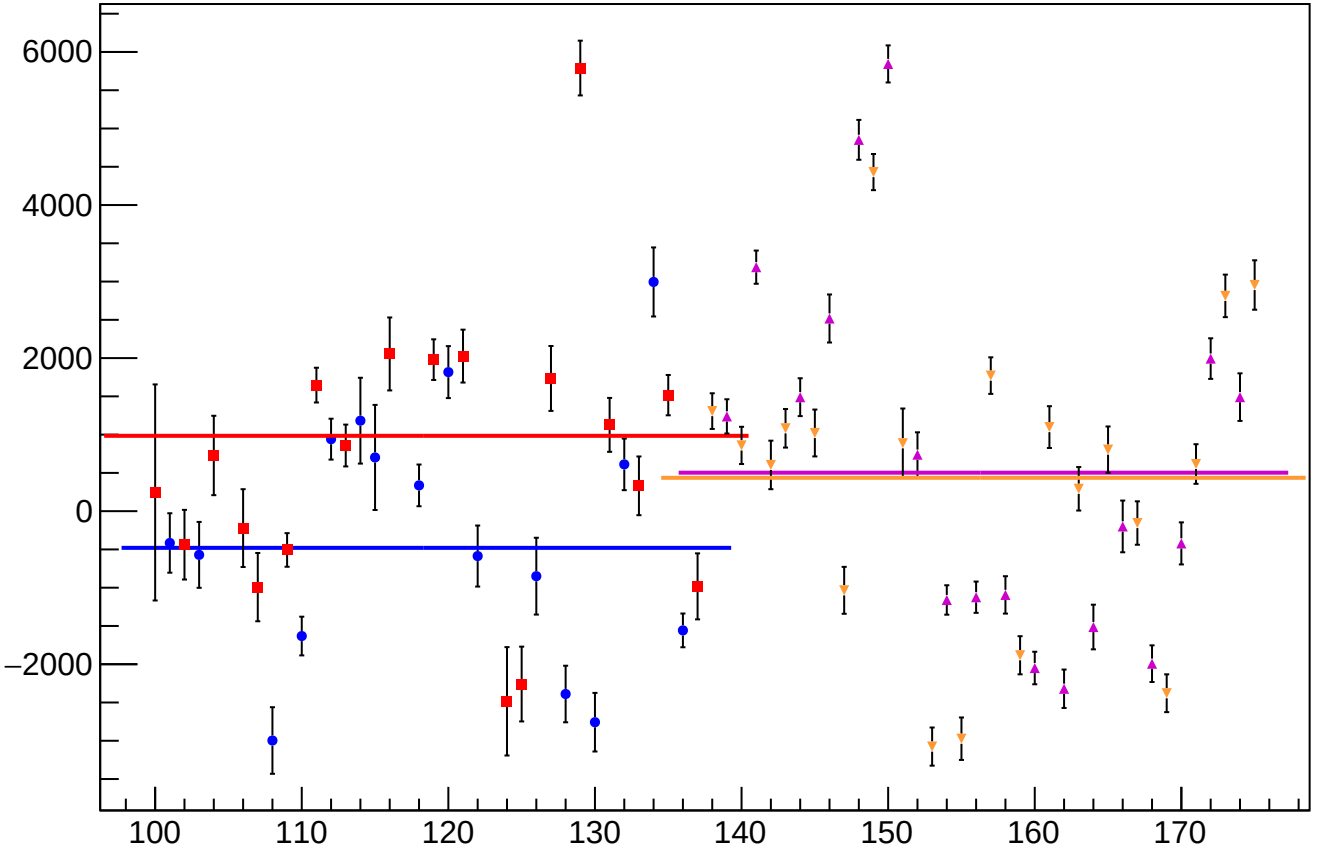
Left In: 197.238+/-0.037 χ^2/NDF:739507.2/17

+ sign 208.998+/-0.032 χ^2/NDF: 1773819.1/35

All: 198.752+/-0.022 χ^2/NDF: 4174073.9/72

- sign 189.825+/-0.030 χ^2/NDF: 2205862.2/36

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 436.015+/-60.759 χ^2/NDF:1081.5/19

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

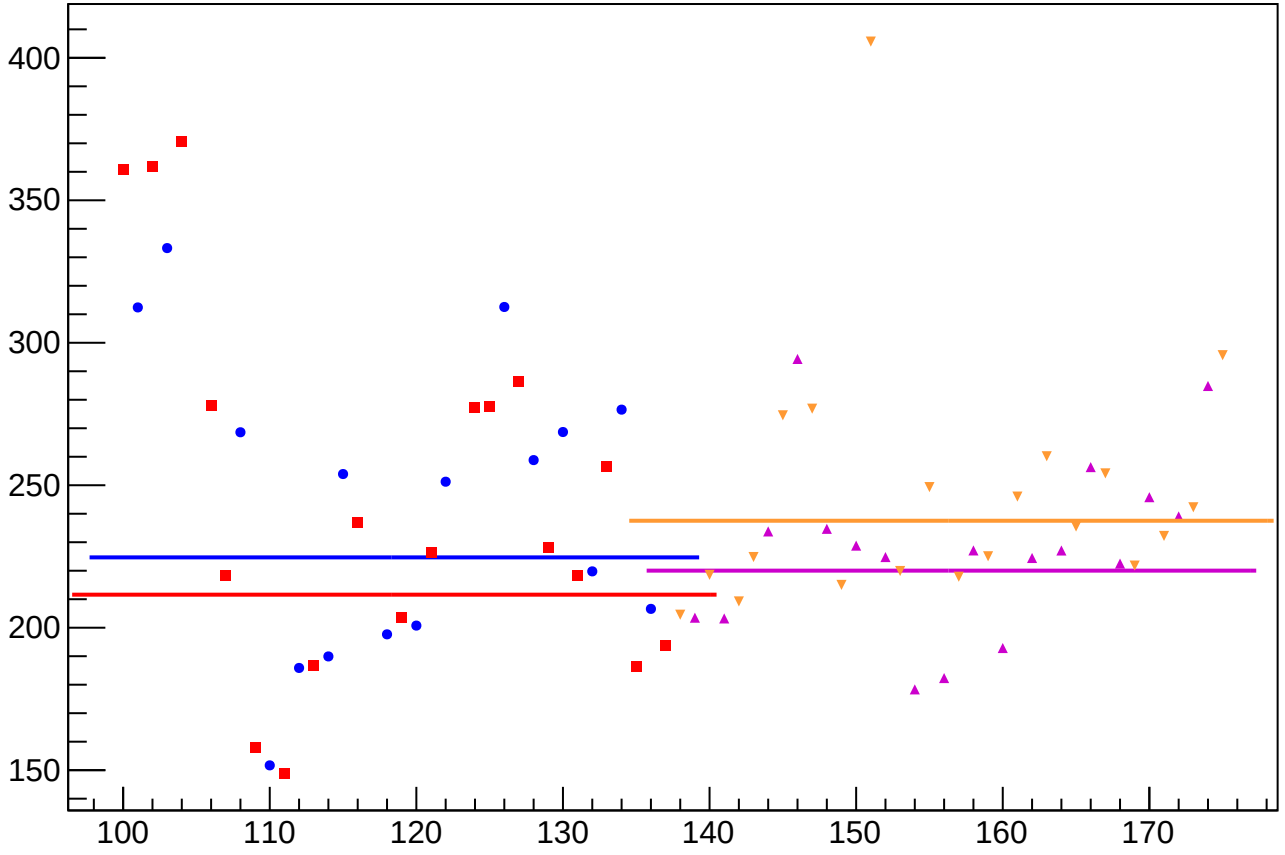
Left In: 502.811+/-58.448 χ^2/NDF:1651.7/17

+ sign 134.476+/-49.754 χ^2/NDF: 1461.7/35

All: 414.177+/-34.314 χ^2/NDF: 3595.1/72

- sign 667.887+/-47.386 χ^2/NDF: 2073.2/36

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 237.539+/-0.043 χ^2/NDF:556343.2/19

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

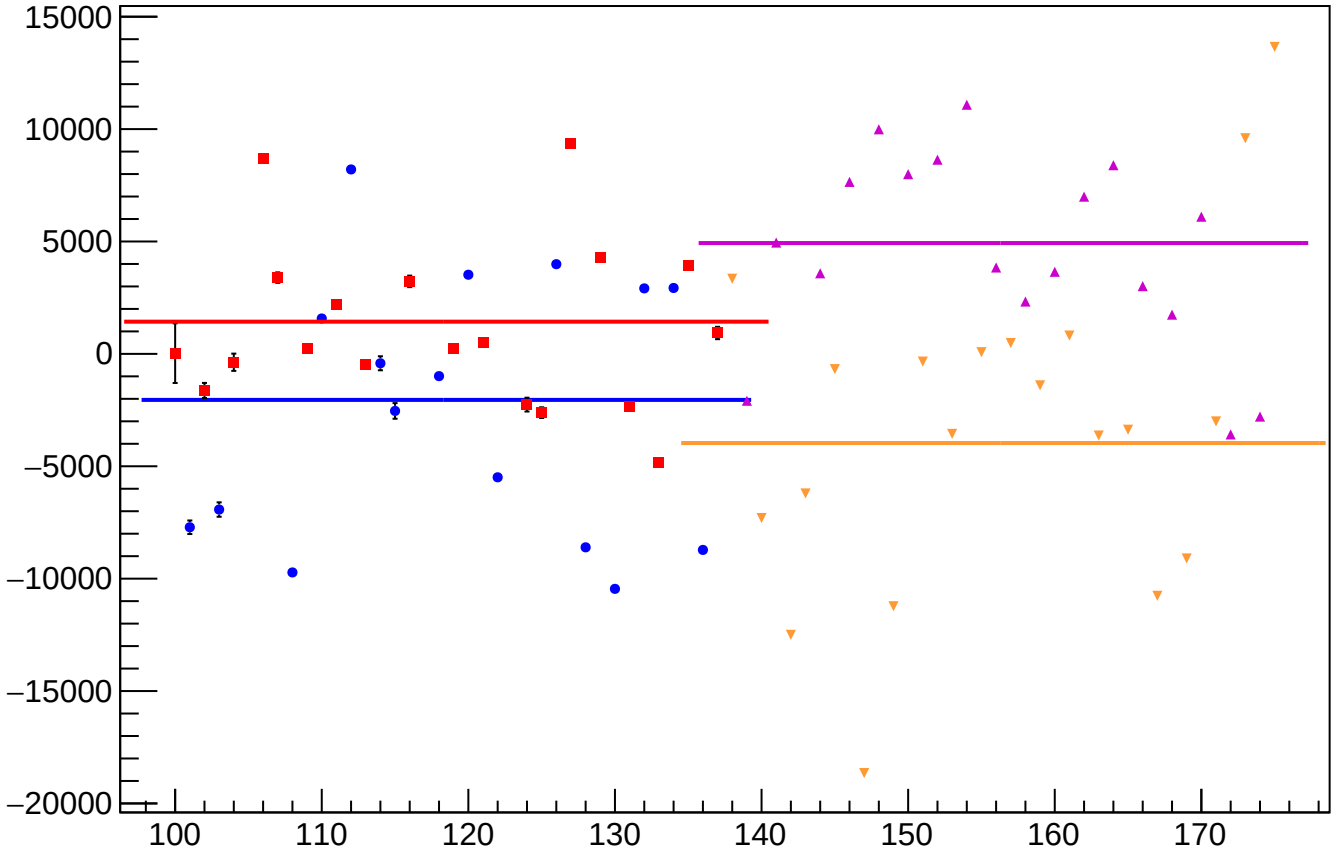
Left In: 220.031+/-0.041 χ^2/NDF:486916.4/17

+ sign 233.304+/-0.035 χ^2/NDF: 1239038.4/35

All: 224.828+/-0.024 χ^2/NDF: 2783825.5/72

- sign 217.140+/-0.034 χ^2/NDF: 1434097.1/36

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3966.073+/-32.259 χ^2/NDF:46909.8/19

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

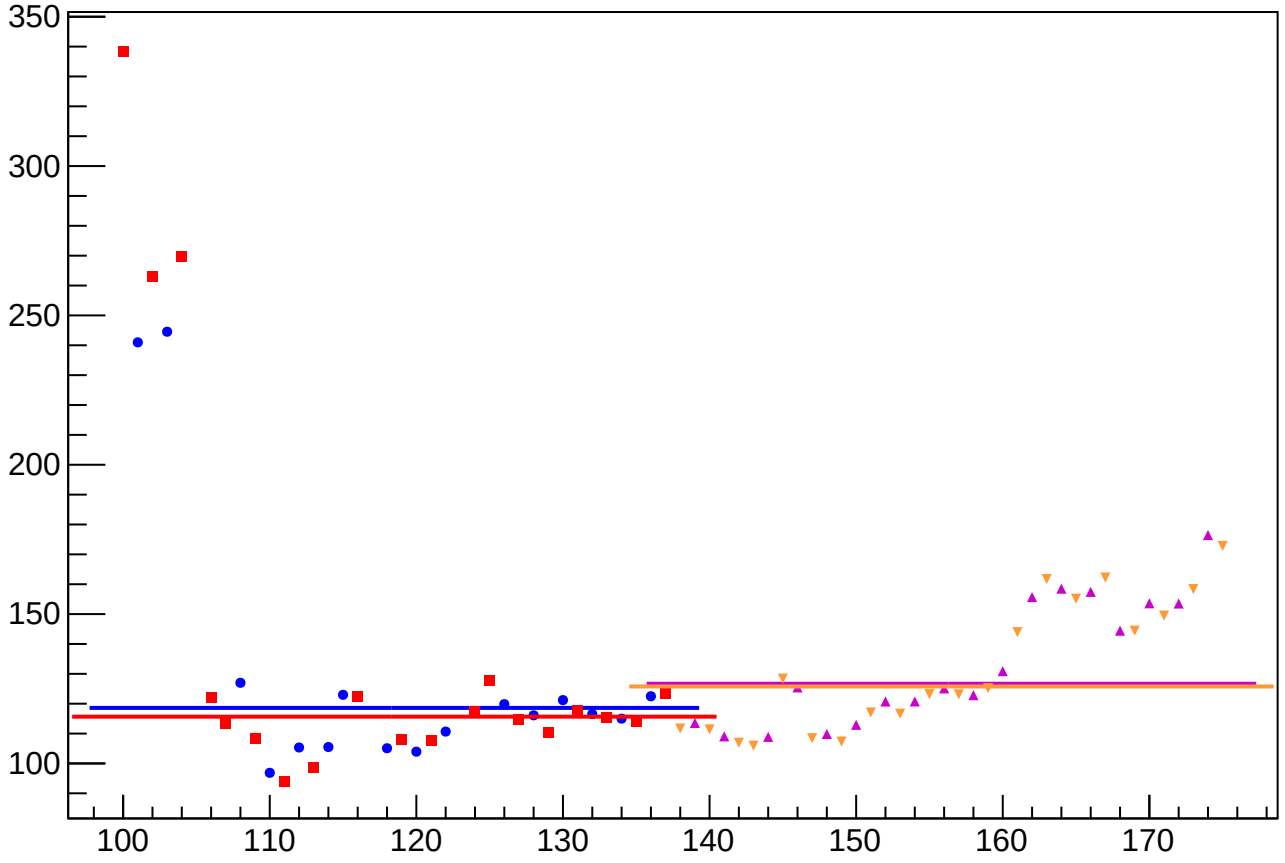
Left In: 4930.863+/-33.492 χ^2/NDF:14639.5/17

+ sign -3346.635+/-26.546 χ^2/NDF: 64761.1/35

All: 129.147+/-18.863 χ^2/NDF: 124335.6/72

- sign 3674.213+/-26.810 χ^2/NDF: 24945.9/36

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 125.773+/-0.023 χ^2/NDF:732079.7/19

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

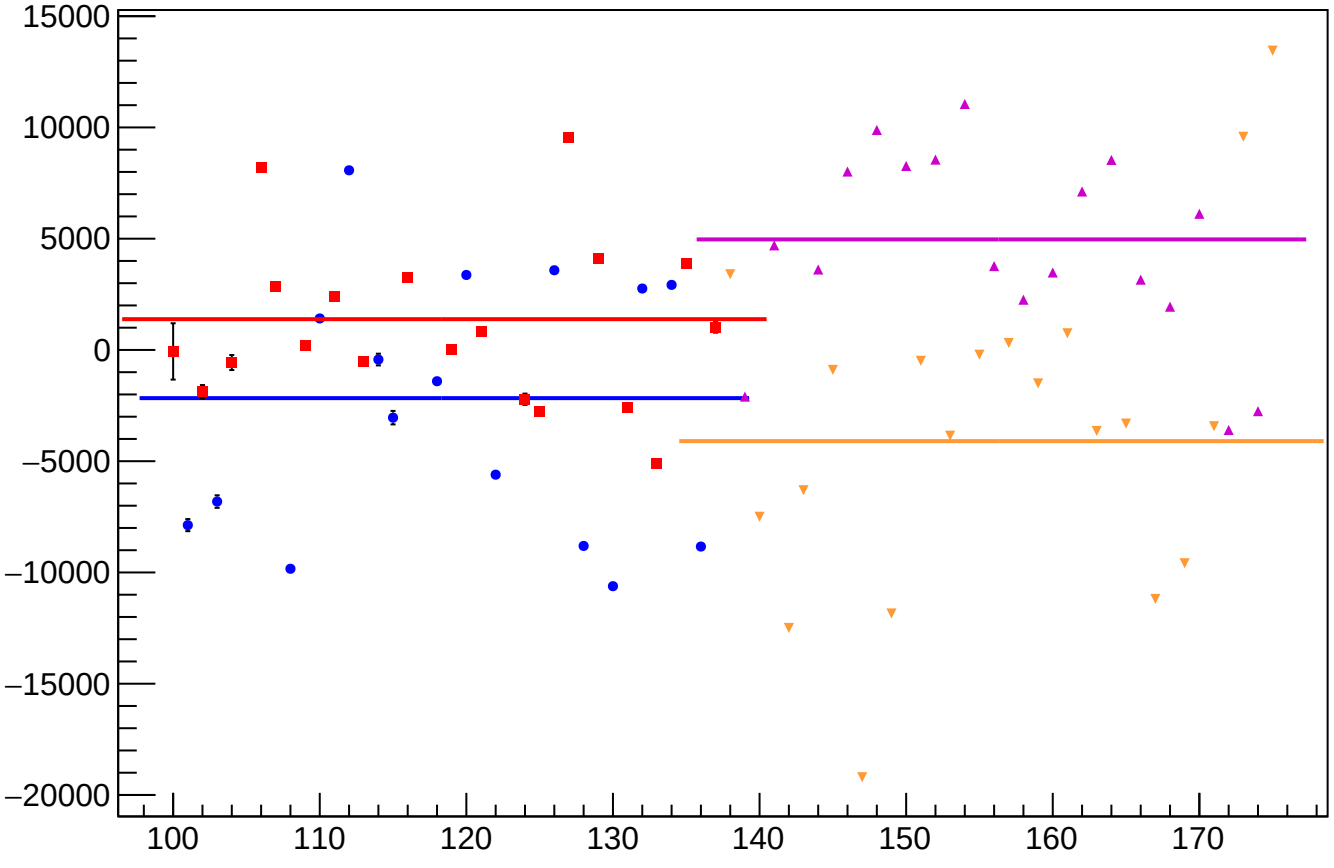
Left In: 126.681+/-0.024 χ^2/NDF:595082.8/17

+ sign 123.456+/-0.019 χ^2/NDF: 1498198.7/35

All: 123.093+/-0.013 χ^2/NDF: 3036054.6/72

- sign 122.722+/-0.019 χ^2/NDF: 1537098.0/36

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4098.170+/-29.164 χ^2/NDF:55765.0/19

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

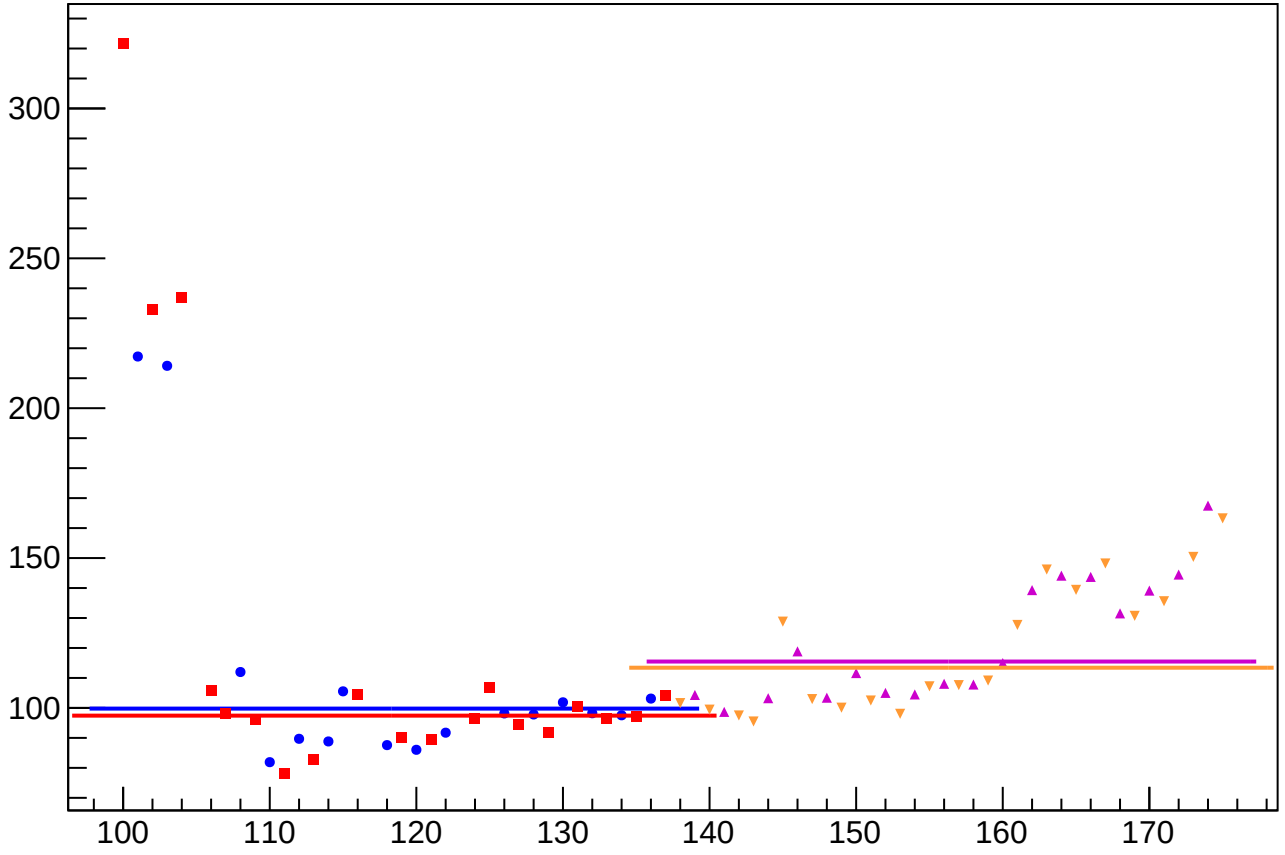
Left In: 4967.624+/-30.562 χ^2/NDF:17496.6/17

+ sign -3419.395+/-23.489 χ^2/NDF: 80181.9/35

All: 22.453+/-16.721 χ^2/NDF: 155763.8/72

- sign 3558.642+/-23.809 χ^2/NDF: 32052.6/36

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 113.415+/-0.021 χ^2/NDF:822763.2/19

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

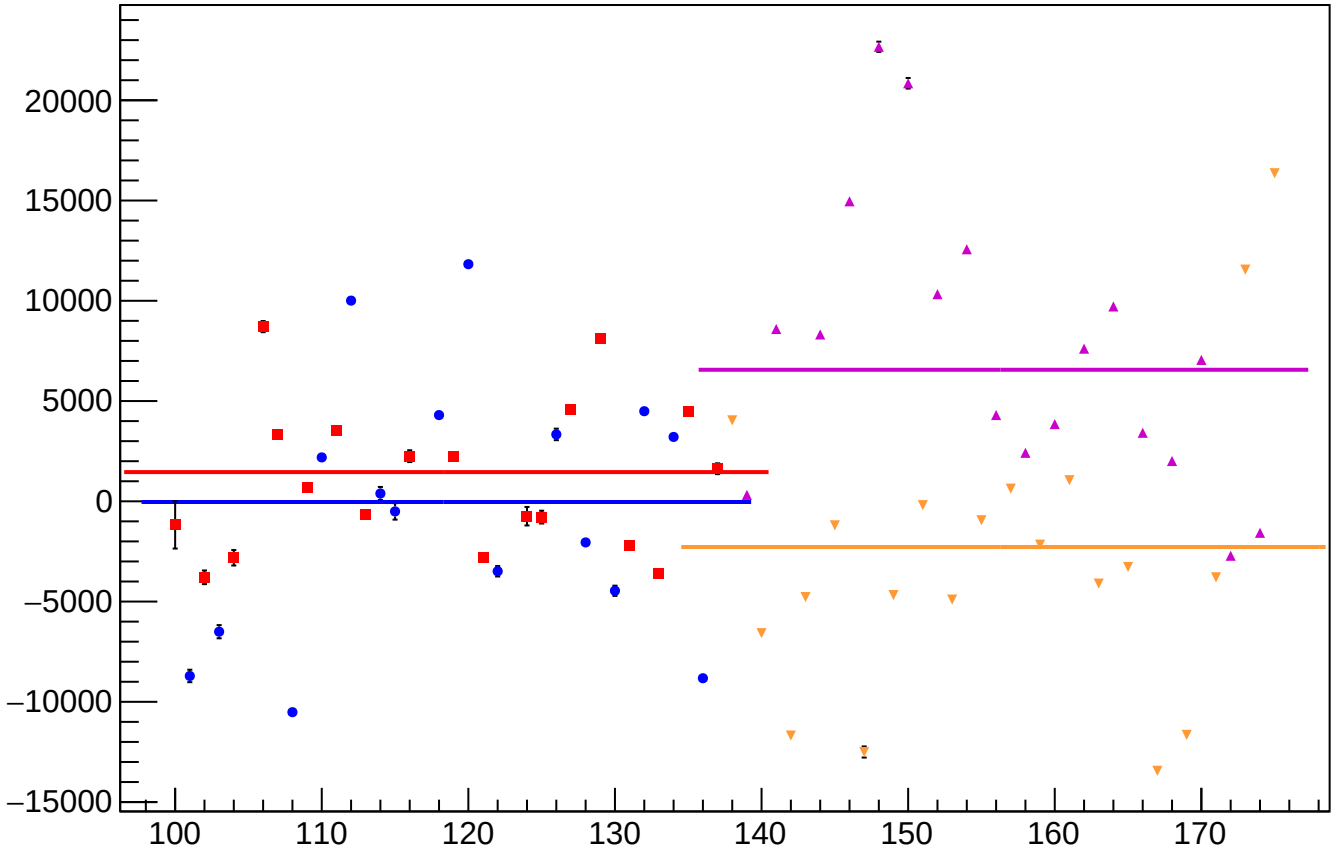
Left In: 115.475+/-0.022 χ^2/NDF:607321.4/17

+ sign 108.624+/-0.017 χ^2/NDF: 1785617.5/35

All: 108.504+/-0.012 χ^2/NDF: 3593252.3/72

- sign 108.381+/-0.017 χ^2/NDF: 1807529.8/36

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2278.891+/-40.507 χ^2/NDF:25054.1/19

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

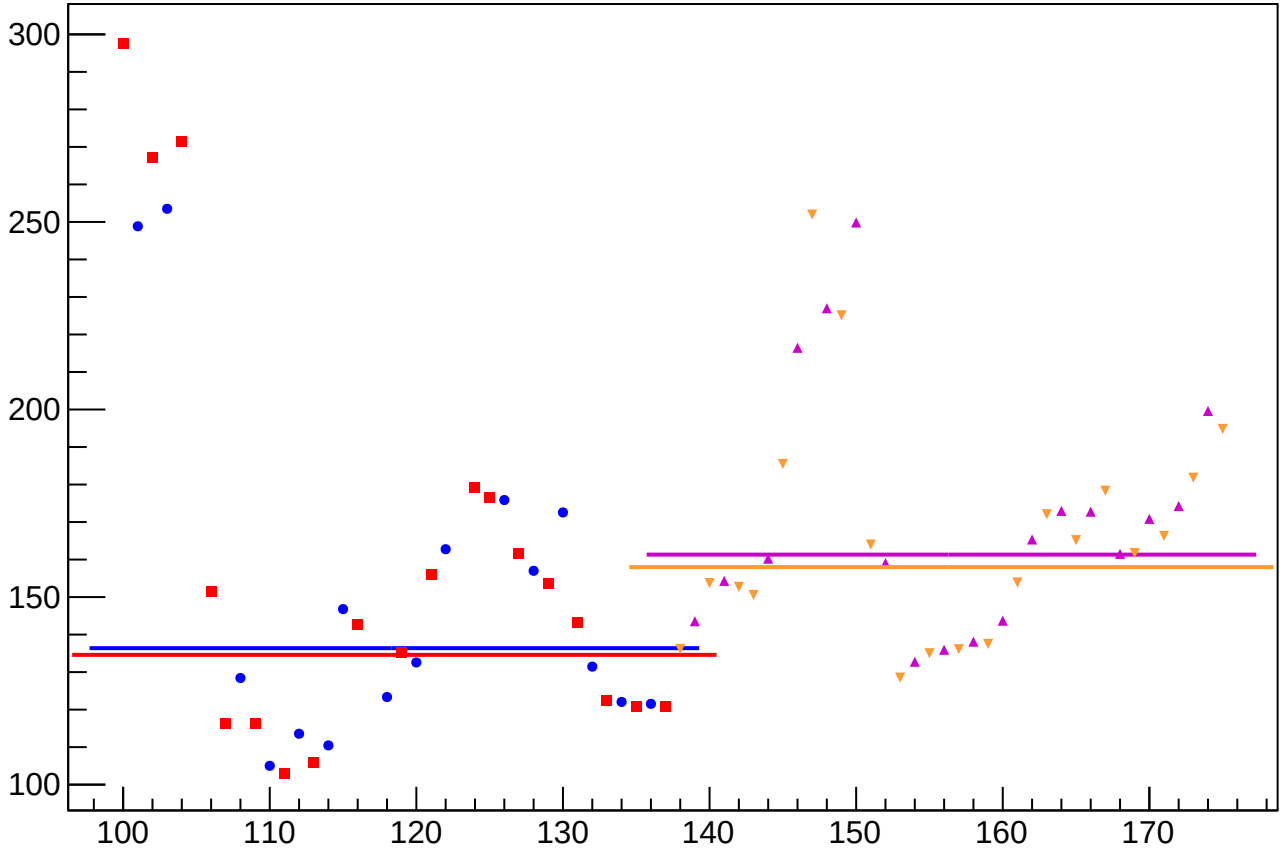
Left In: 6559.807+/-42.806 χ^2/NDF:18381.1/17

\+ sign -1460.484+/-32.287 χ^2/NDF: 42976.3/35

All: 1449.494+/-23.090 χ^2/NDF: 87849.8/72

\- sign 4495.922+/-33.035 χ^2/NDF: 28245.9/36

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 157.990+/-0.029 χ^2/NDF:799238.3/19

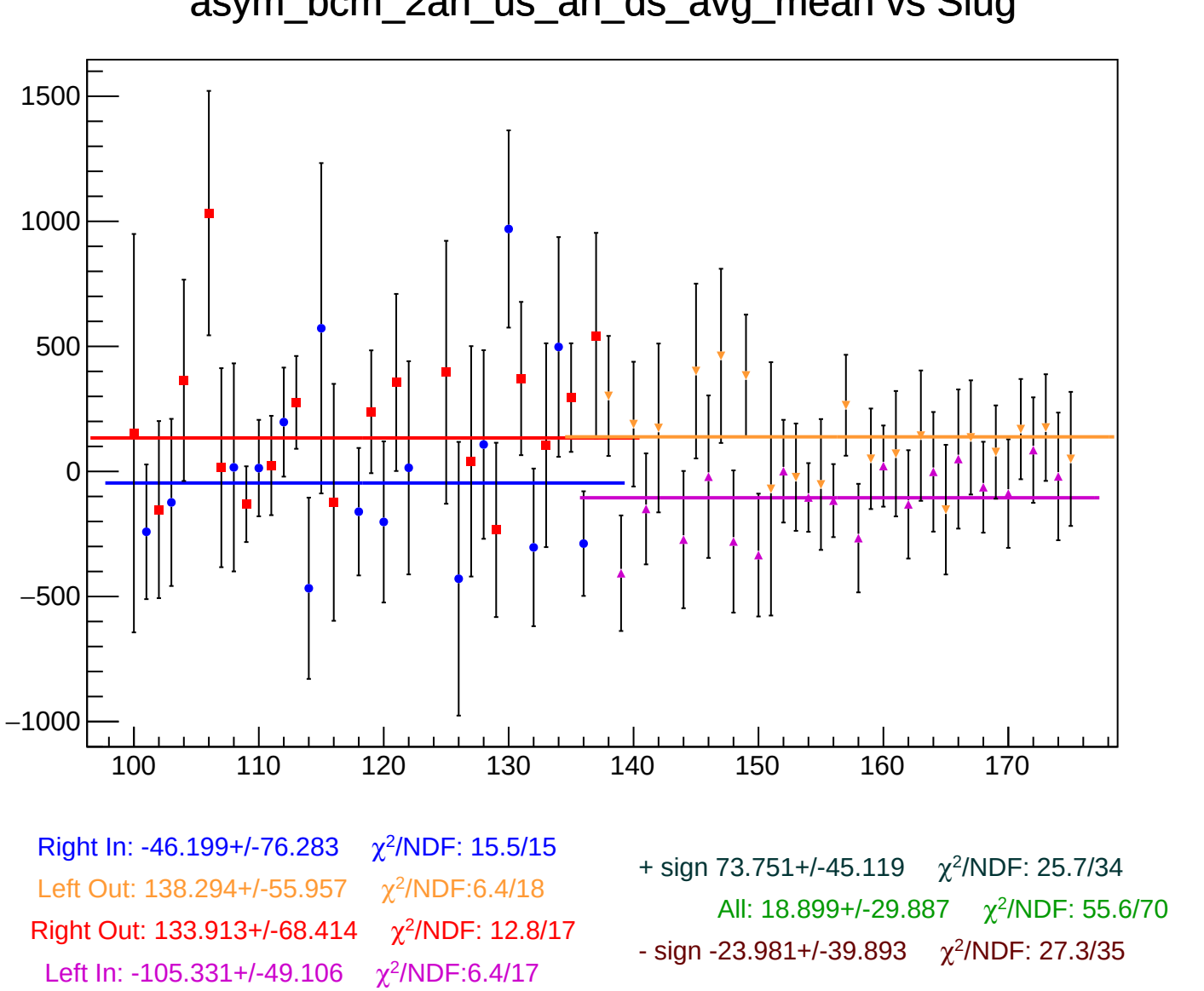
Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 161.316+/-0.030 χ^2/NDF:799623.3/17

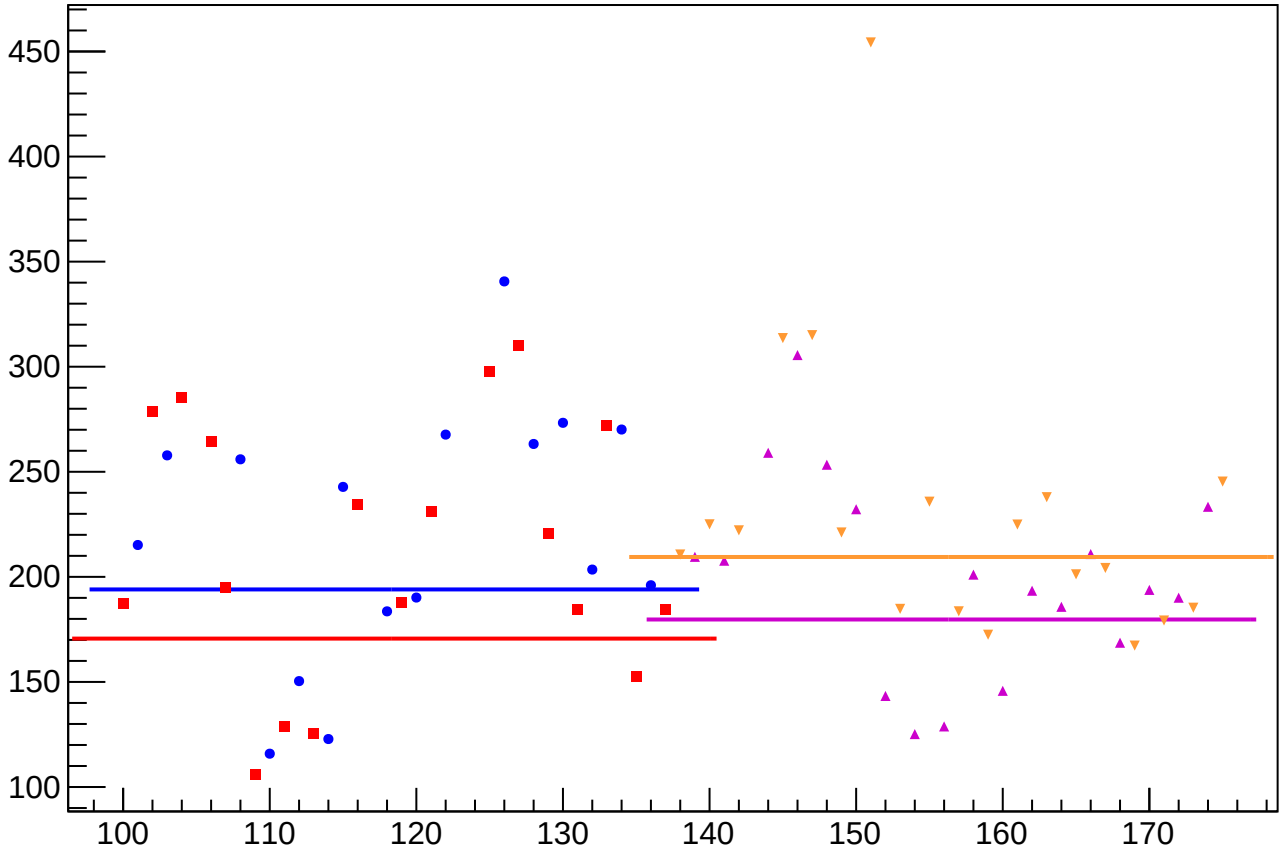
+ sign 150.111+/-0.023 χ^2/NDF: 1803611.8/35

All: 150.306+/-0.016 χ^2/NDF: 3838095.1/72

- sign 150.511+/-0.023 χ^2/NDF: 2034333.4/36


asym_bcm_2an_us_an_ds_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -46.199+/-76.283 χ²/NDF: 15.5/15
Left Out: 138.294+/-55.957 χ²/NDF:6.4/18
Right Out: 133.913+/-68.414 χ²/NDF: 12.8/17
Left In: -105.331+/-49.106 χ²/NDF:6.4/17
+ sign 73.751+/-45.119 χ²/NDF: 25.7/34
All: 18.899+/-29.887 χ²/NDF: 55.6/70
- sign -23.981+/-39.893 χ²/NDF: 27.3/35

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 209.457+/-0.040 χ^2/NDF:1235056.0/18

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

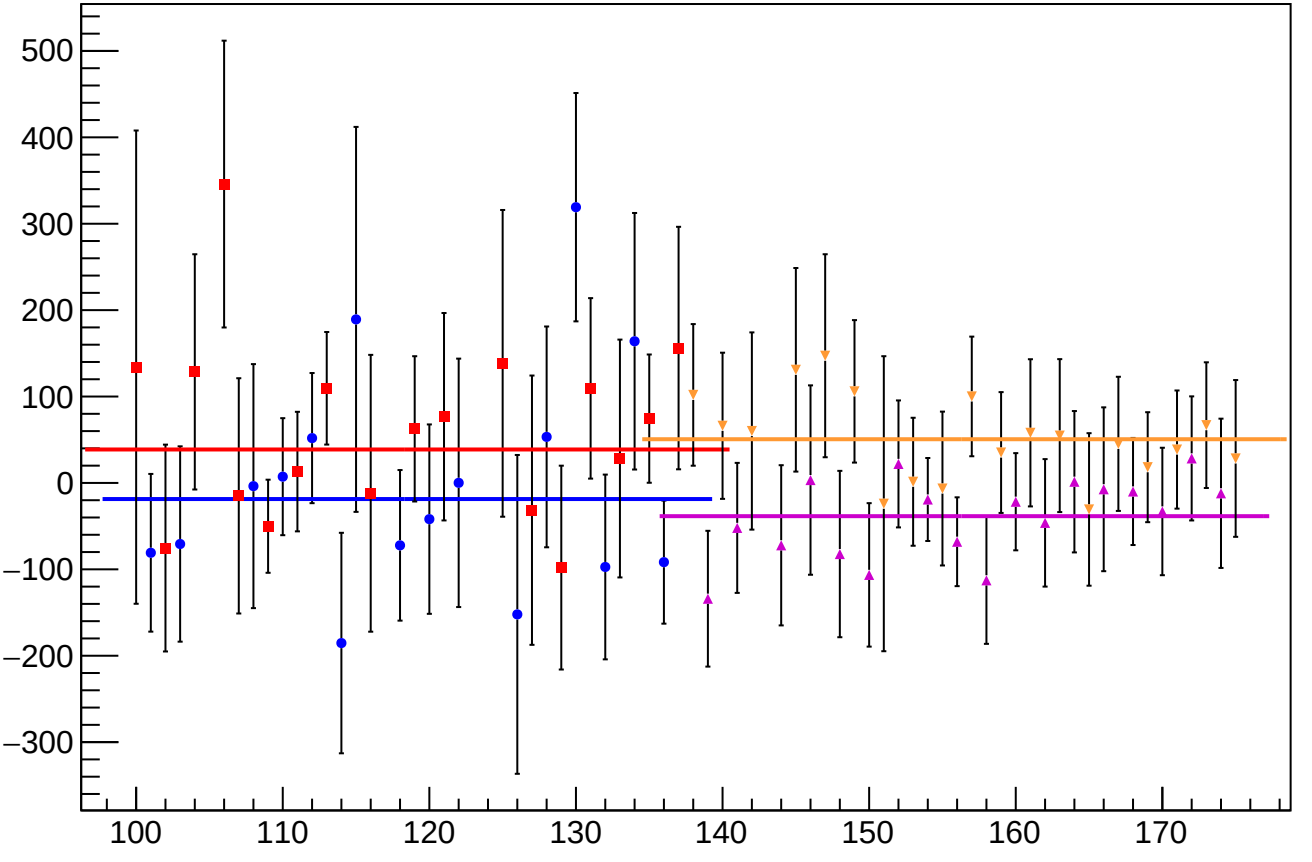
Left In: 179.713+/-0.035 χ^2/NDF:1629335.0/17

+ sign 204.055+/-0.032 χ^2/NDF: 2331913.4/34

All: 188.659+/-0.021 χ^2/NDF: 5993223.3/70

- sign 176.623+/-0.028 χ^2/NDF: 3246372.1/35

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 50.586+/-19.090 χ^2/NDF:4.9/18

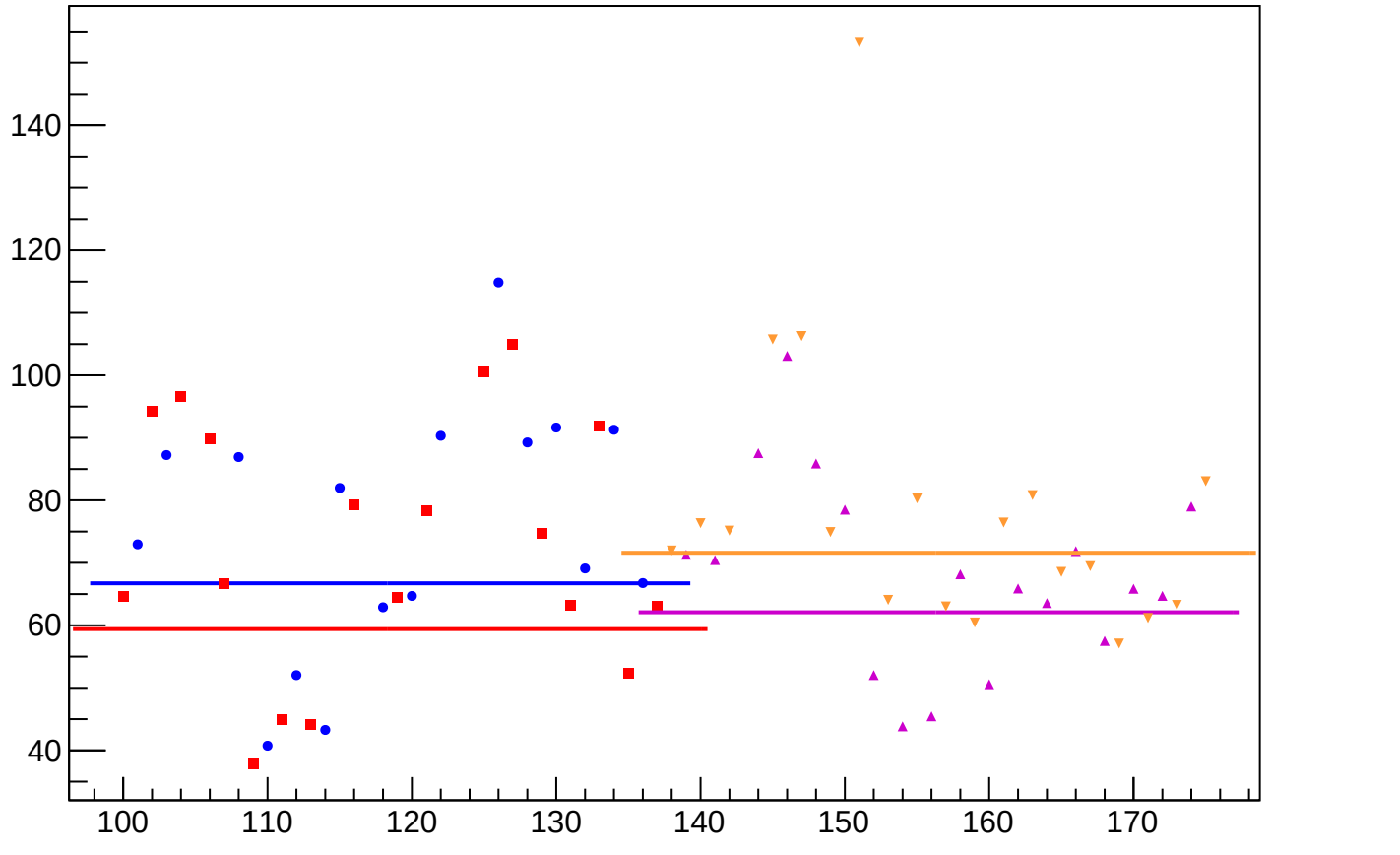
Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: -38.471+/-16.889 χ^2/NDF:6.5/17

+ sign 26.484+/-15.413 χ^2/NDF: 24.7/34

All: 4.822+/-10.258 χ^2/NDF: 54.4/70

- sign -12.404+/-13.745 χ^2/NDF: 26.2/35



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 71.604+/-0.013 χ^2/NDF:1172644.2/18

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

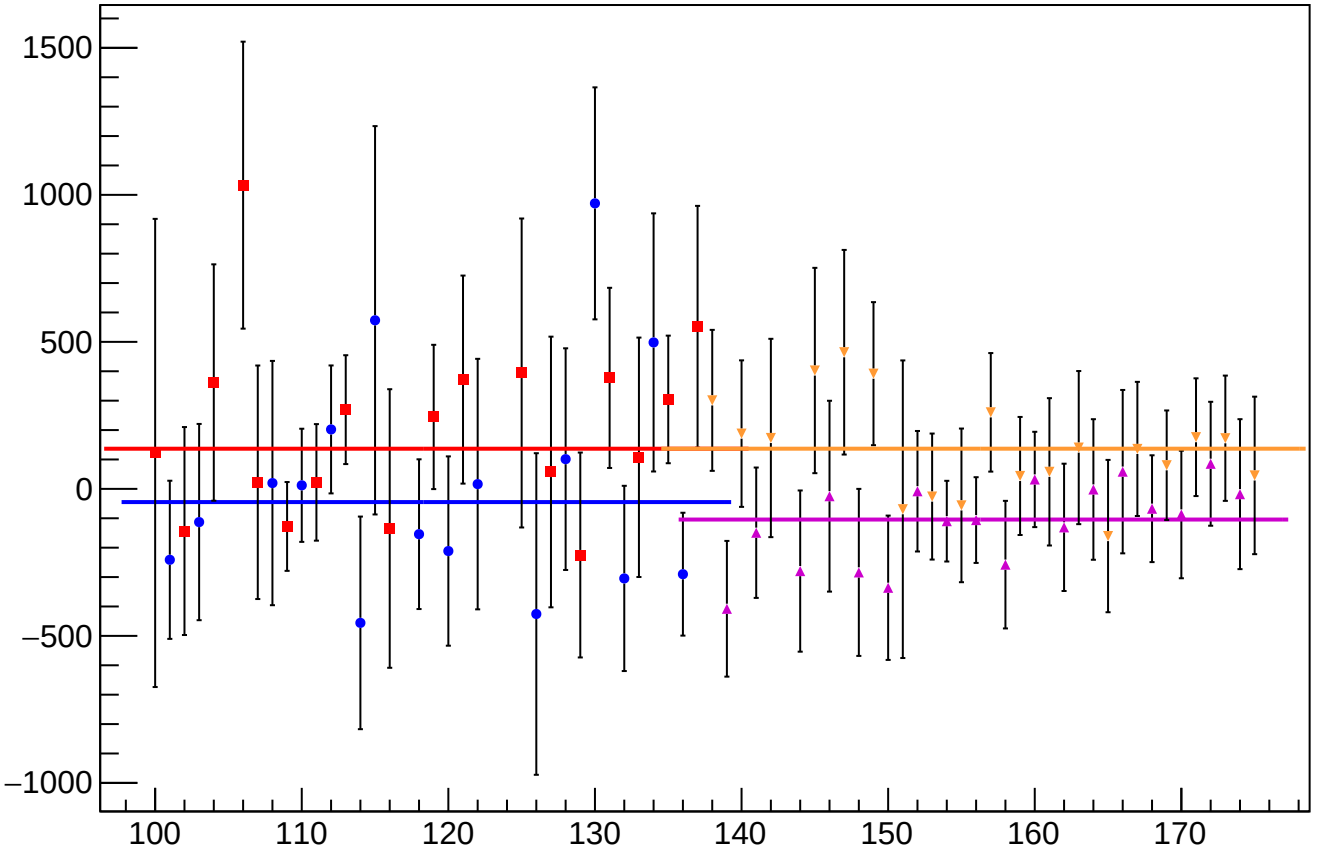
Left In: 62.089+/-0.012 χ^2/NDF:1439365.8/17

+ sign 69.905+/-0.011 χ^2/NDF: 2165168.8/34

All: 65.046+/-0.007 χ^2/NDF: 5423897.1/70

- sign 61.181+/-0.010 χ^2/NDF: 2901857.1/35

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 136.678+/-55.911 χ^2/NDF:6.7/18

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

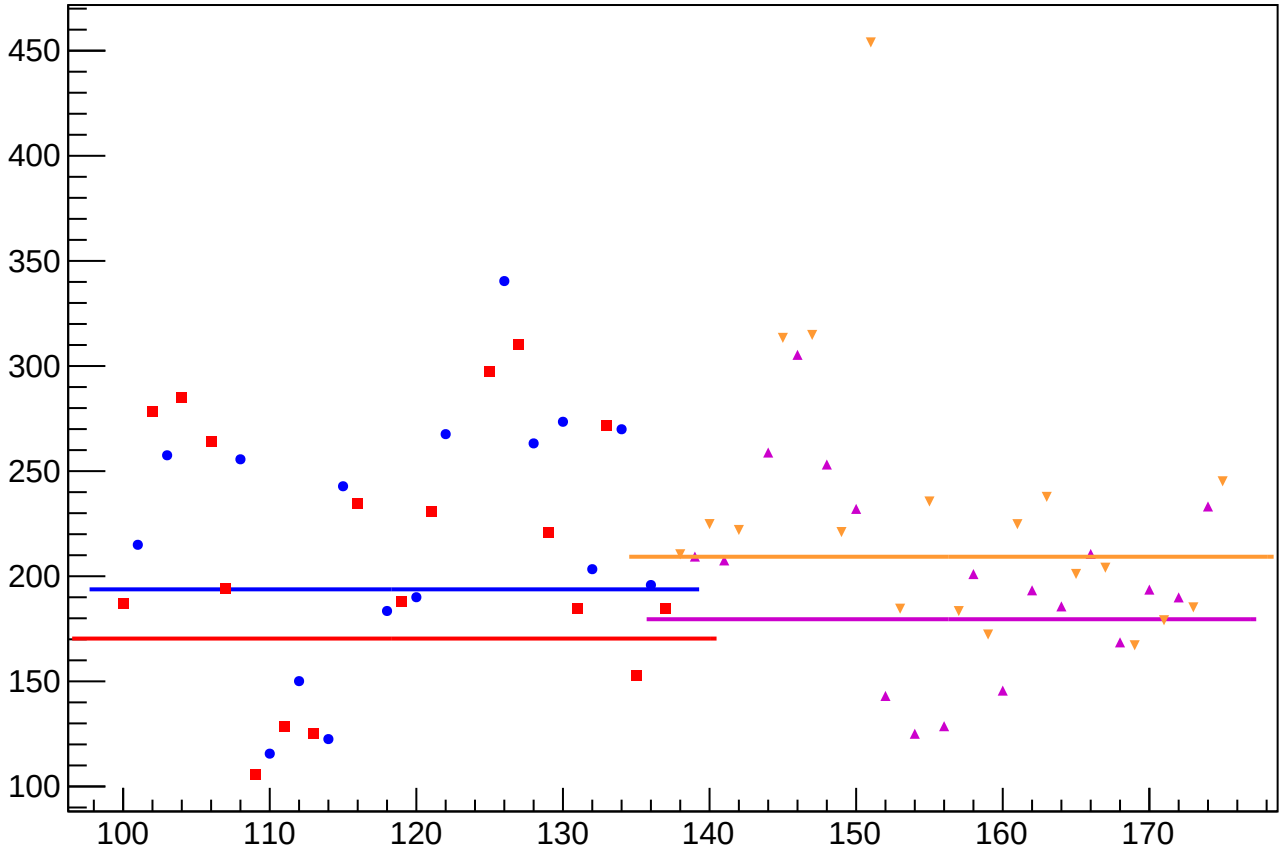
Left In: -104.327+/-49.065 χ^2/NDF:6.5/17

+ sign 73.124+/-45.078 χ^2/NDF: 25.8/34

All: 19.530+/-29.857 χ^2/NDF: 55.9/70

- sign -22.359+/-39.853 χ^2/NDF: 27.5/35

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 209.281+/-0.040 χ^2/NDF:1235684.5/18

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

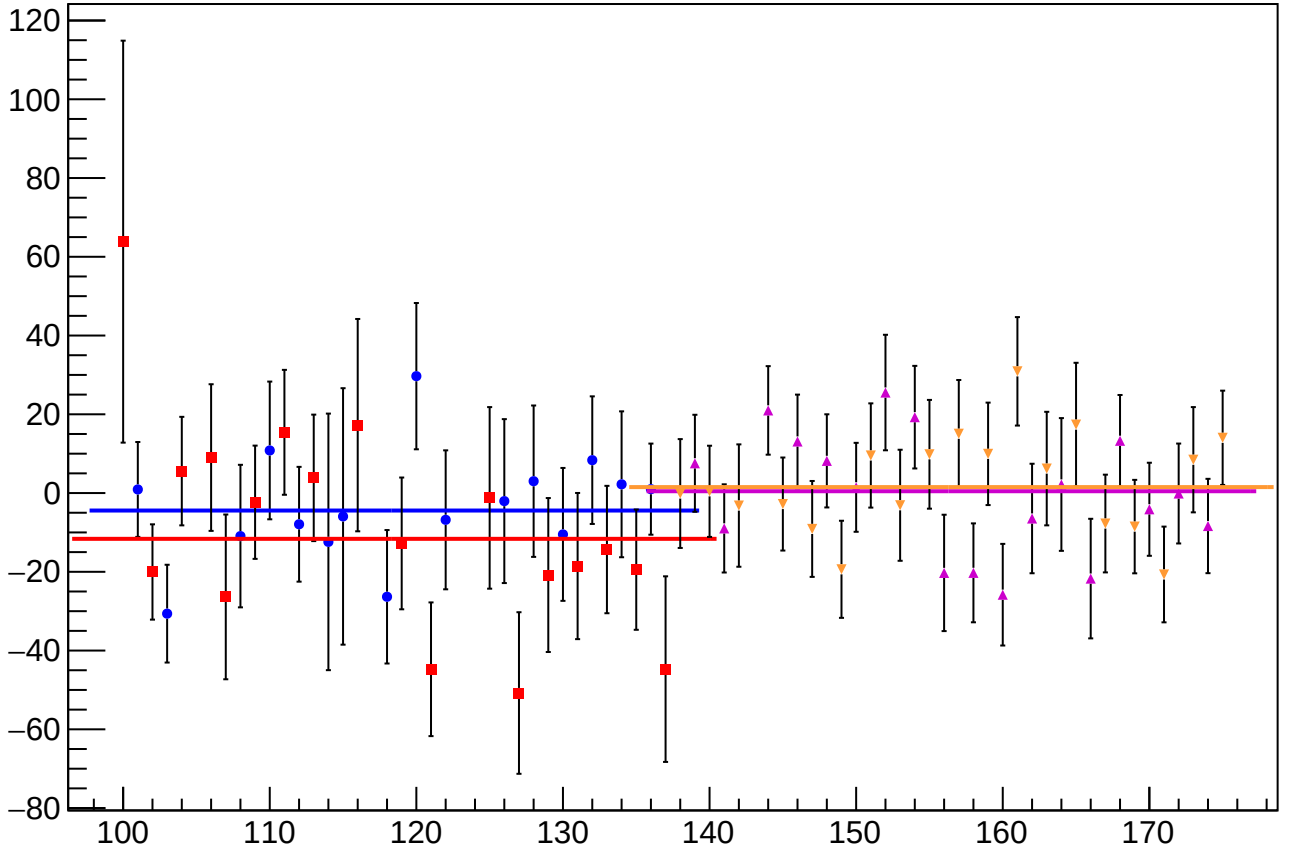
Left In: 179.552+/-0.035 χ^2/NDF:1631554.8/17

+ sign 203.852+/-0.032 χ^2/NDF: 2337664.9/34

All: 188.457+/-0.021 χ^2/NDF: 6007735.6/70

- sign 176.424+/-0.028 χ^2/NDF: 3254479.1/35

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.511+/-2.993 χ^2/NDF:17.8/18

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

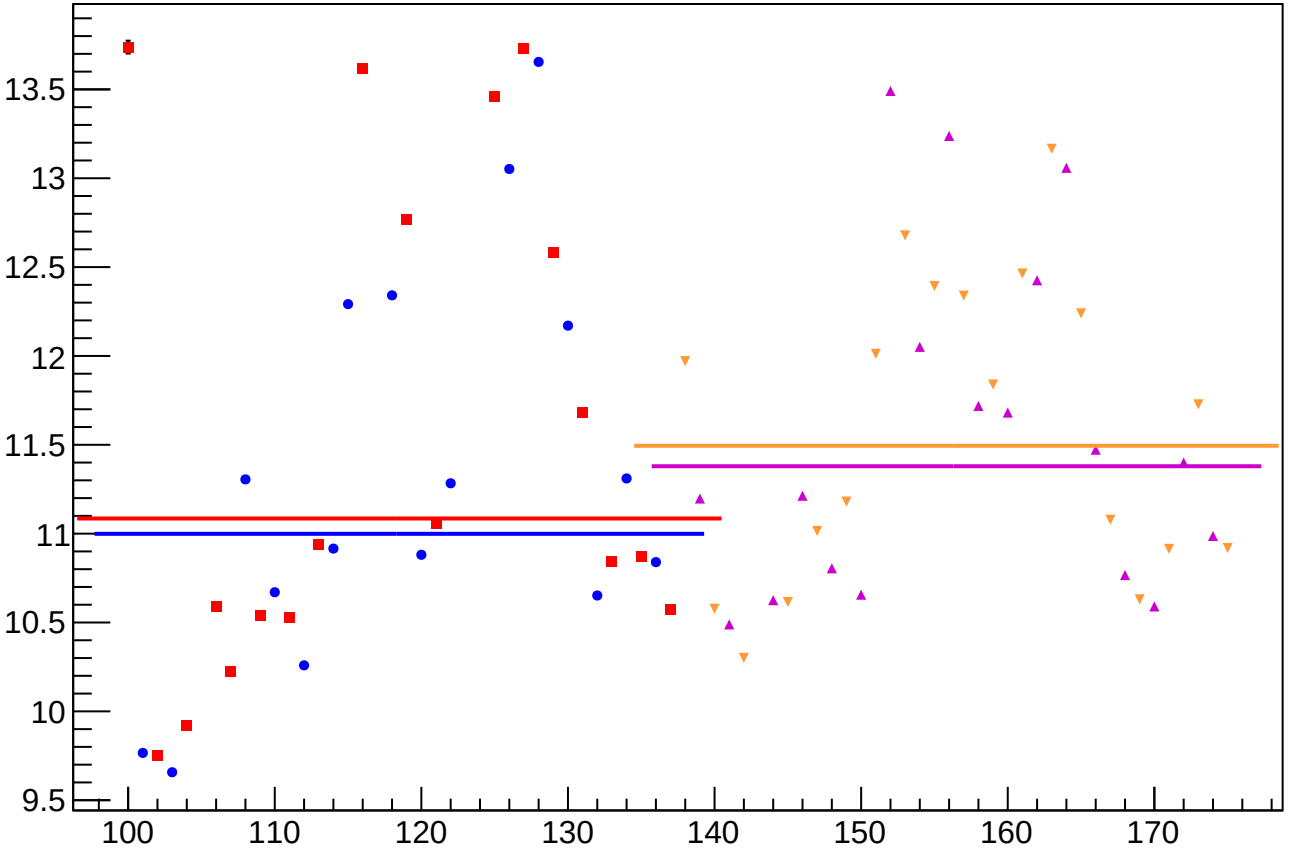
Left In: 0.462+/-2.978 χ^2/NDF:24.1/17

+ sign -0.537+/-2.423 χ^2/NDF: 31.1/34

All: -2.105+/-1.711 χ^2/NDF: 83.3/70

- sign -3.665+/-2.417 χ^2/NDF: 51.3/35

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.494+/-0.002 χ^2/NDF:140846.2/18

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

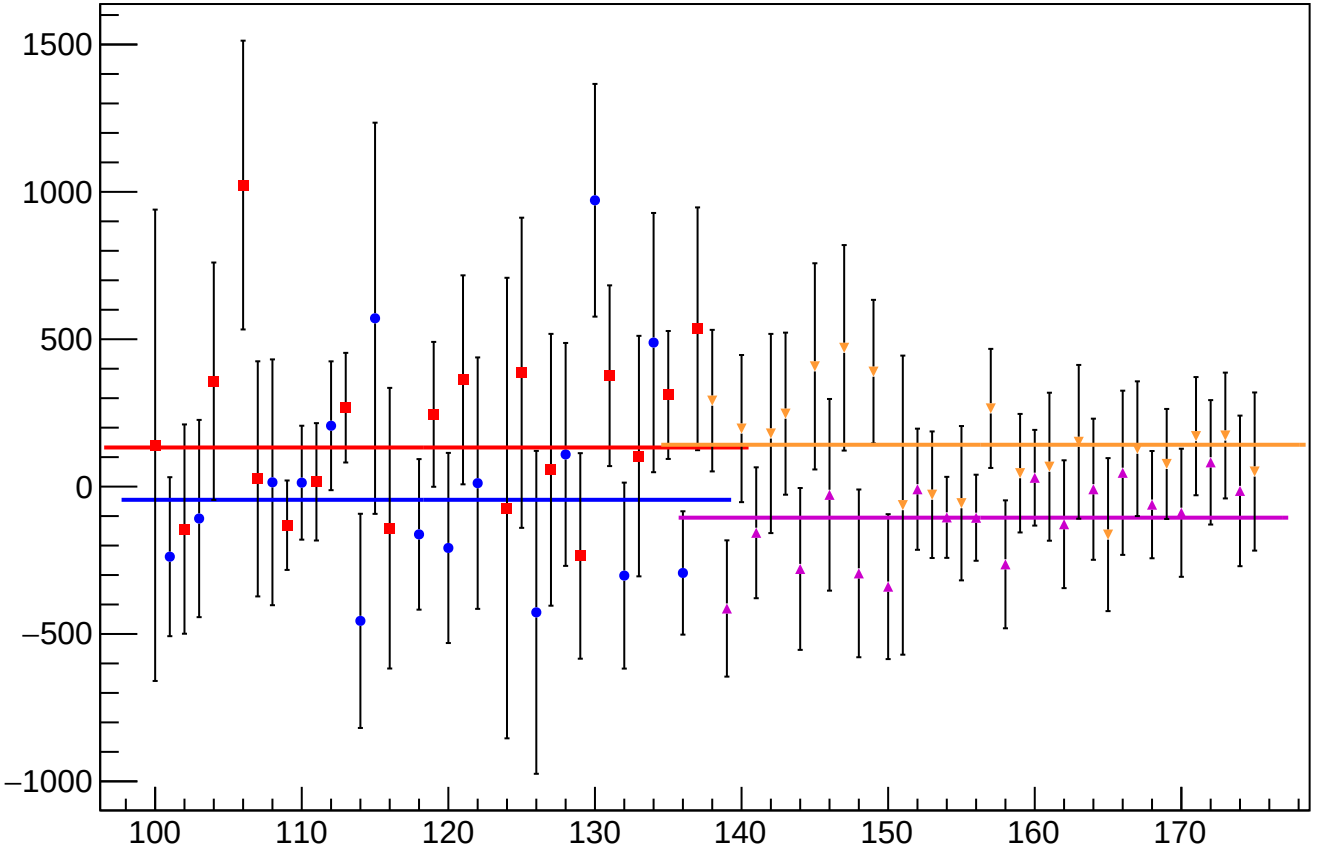
Left In: 11.379+/-0.002 χ^2/NDF:164200.8/17

+ sign 11.324+/-0.002 χ^2/NDF: 295872.3/34

All: 11.301+/-0.001 χ^2/NDF: 629278.1/70

- sign 11.279+/-0.002 χ^2/NDF: 333060.3/35

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 141.981+/-54.883 χ^2/NDF:6.8/19

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

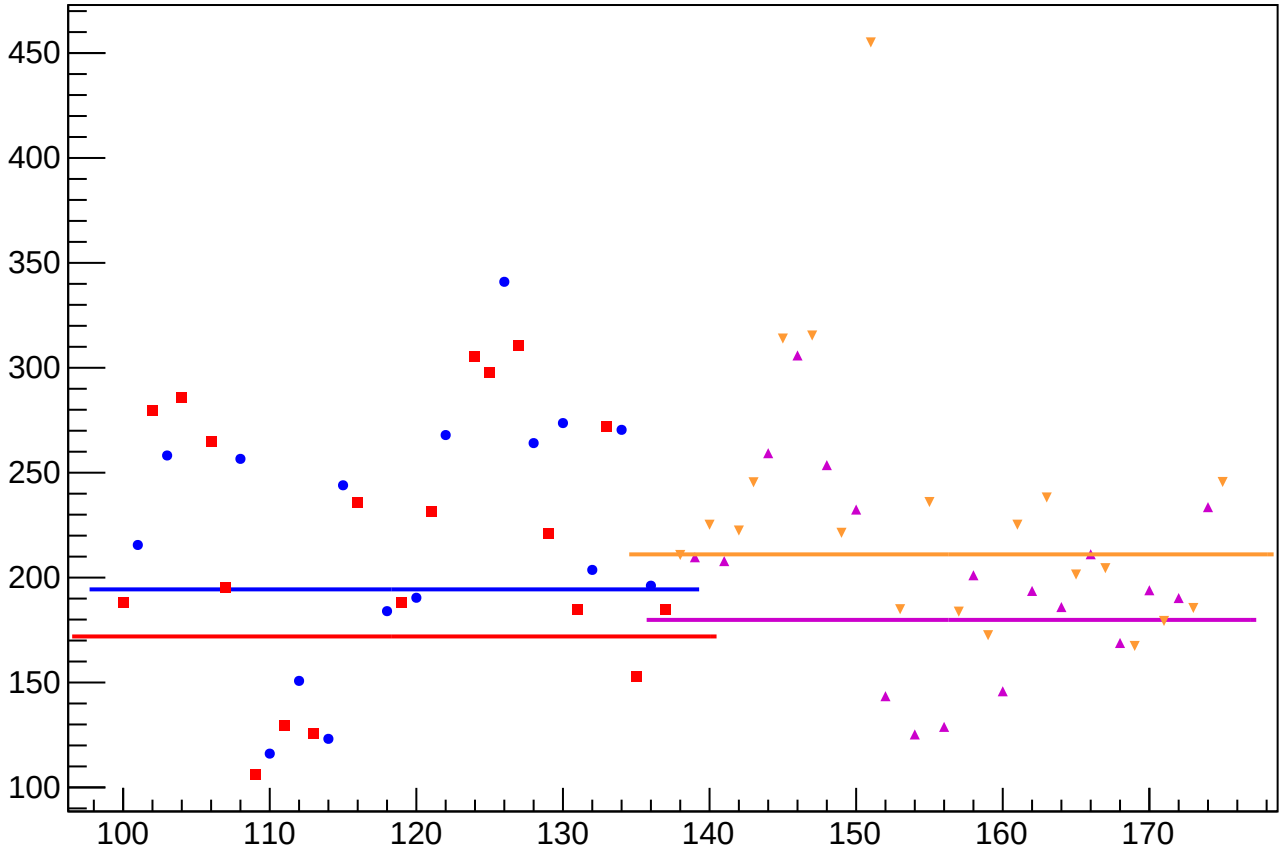
Left In: -105.412+/-49.145 χ^2/NDF:6.5/17

+ sign 78.429+/-44.579 χ^2/NDF: 26.2/35

All: 21.470+/-29.724 χ^2/NDF: 56.5/72

- sign -24.128+/-39.885 χ^2/NDF: 27.4/36

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 211.071+/-0.039 χ^2/NDF:1269333.6/19

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

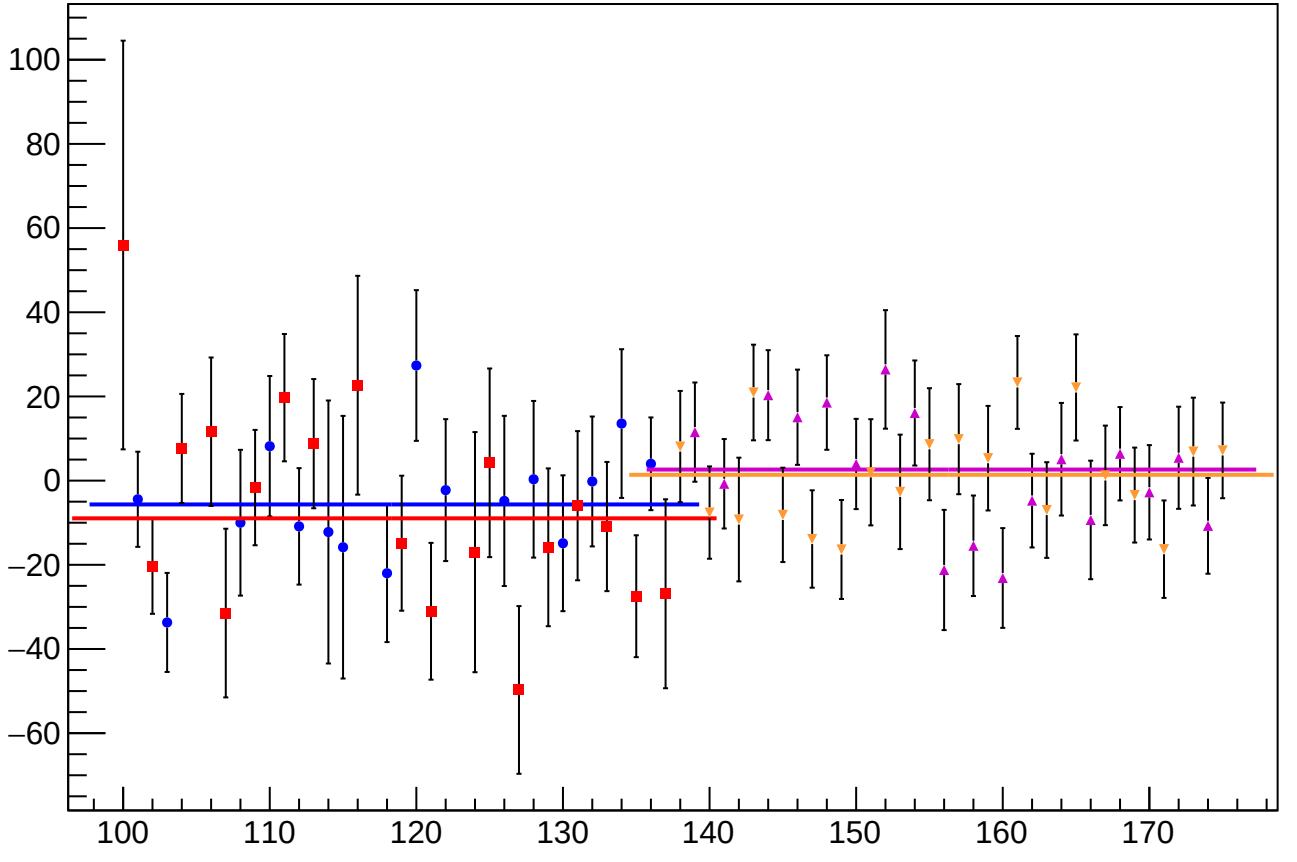
Left In: 179.843+/-0.035 χ^2/NDF:1631981.5/17

+ sign 205.394+/-0.032 χ^2/NDF: 2374257.5/35

All: 189.706+/-0.021 χ^2/NDF: 6121121.2/72

- sign 177.149+/-0.028 χ^2/NDF: 3300939.5/36

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.383+/-2.699 χ^2/NDF:20.2/19

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

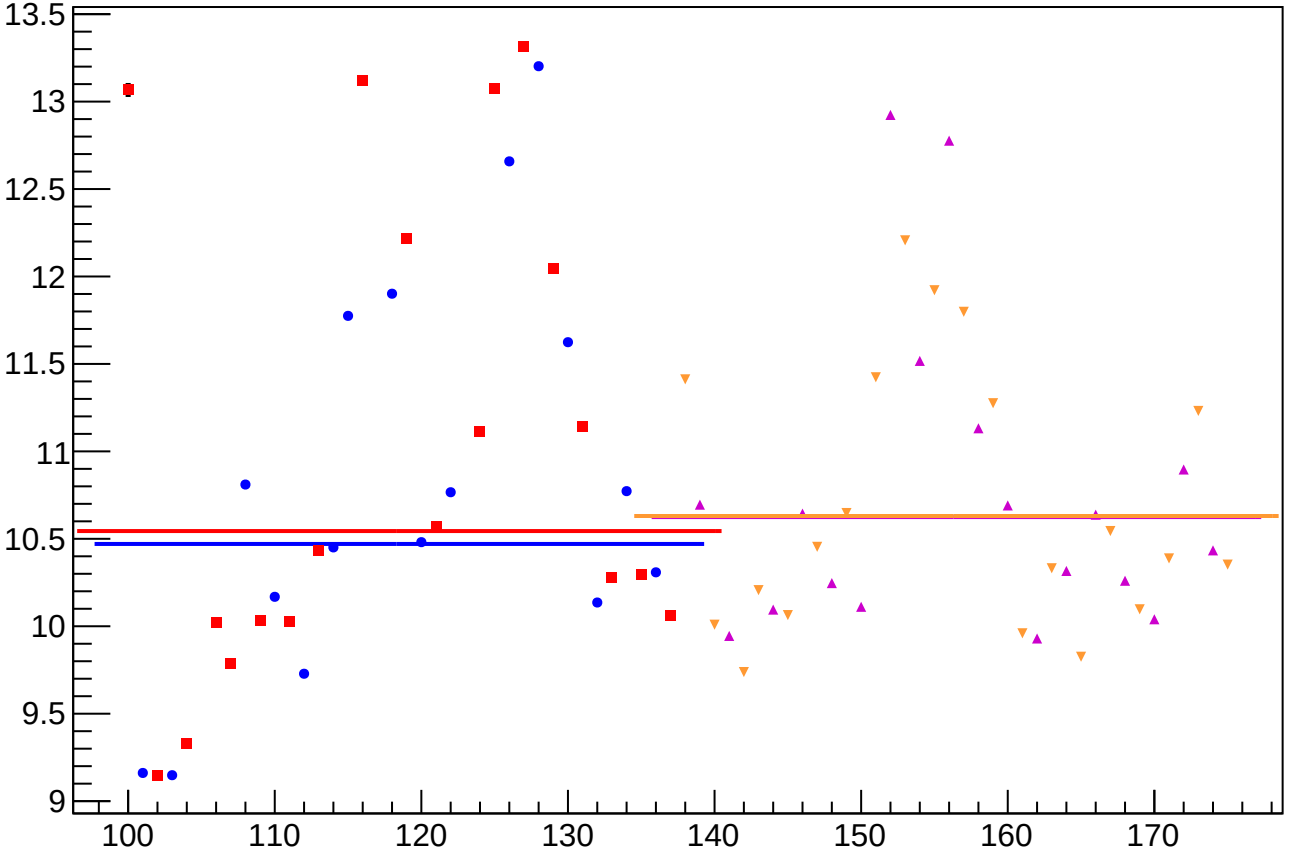
Left In: 2.631+/-2.784 χ^2/NDF:23.4/17

+ sign -0.866+/-2.226 χ^2/NDF: 36.1/35

All: -1.069+/-1.588 χ^2/NDF: 88.2/72

- sign -1.280+/-2.266 χ^2/NDF: 52.1/36

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.630+/-0.002 χ^2/NDF:132062.9/19

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

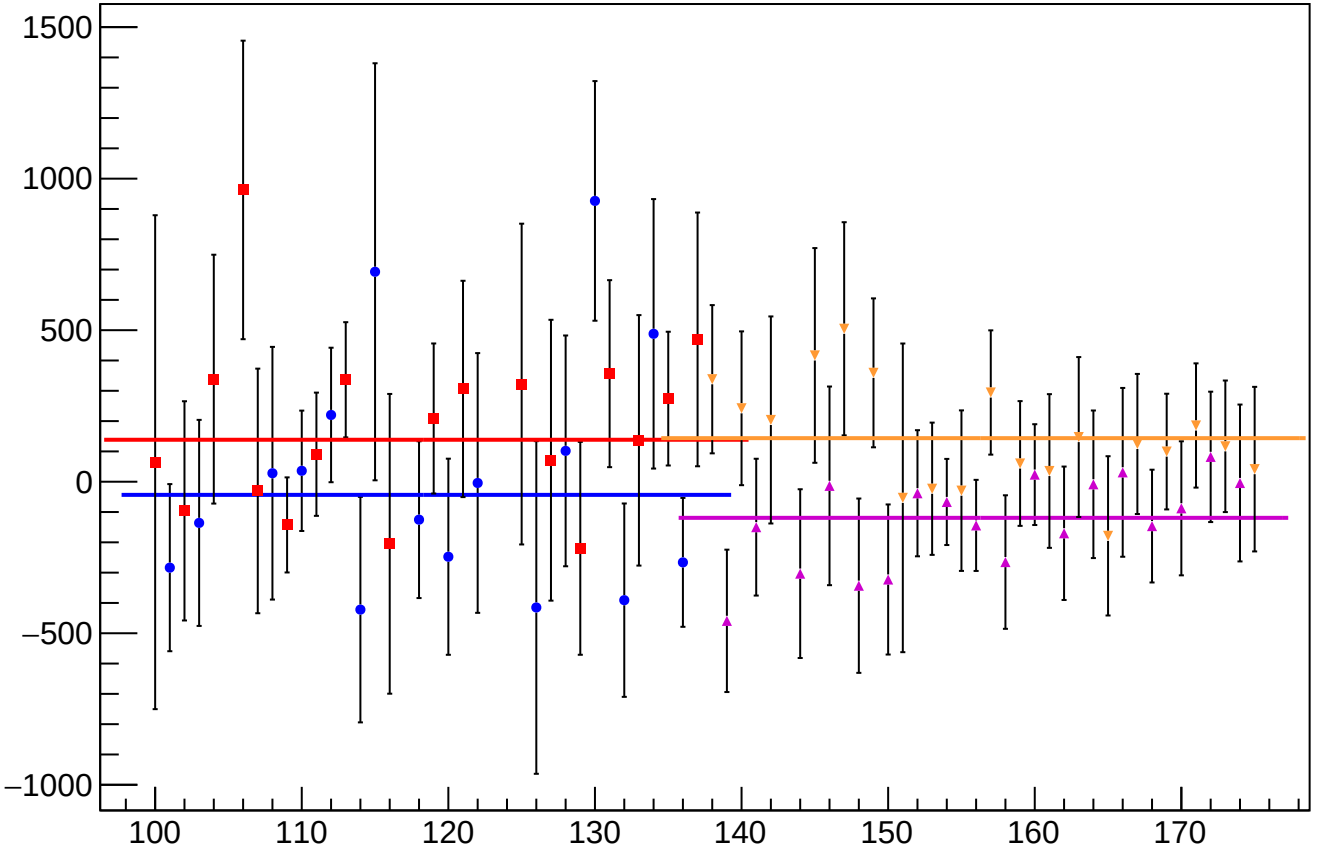
Left In: 10.624+/-0.002 χ^2/NDF:150665.5/17

+ sign 10.579+/-0.002 χ^2/NDF: 291669.2/35

All: 10.588+/-0.001 χ^2/NDF: 629735.2/72

- sign 10.597+/-0.002 χ^2/NDF: 338002.1/36

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 143.731+/-56.878 χ^2/NDF:7.0/18

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

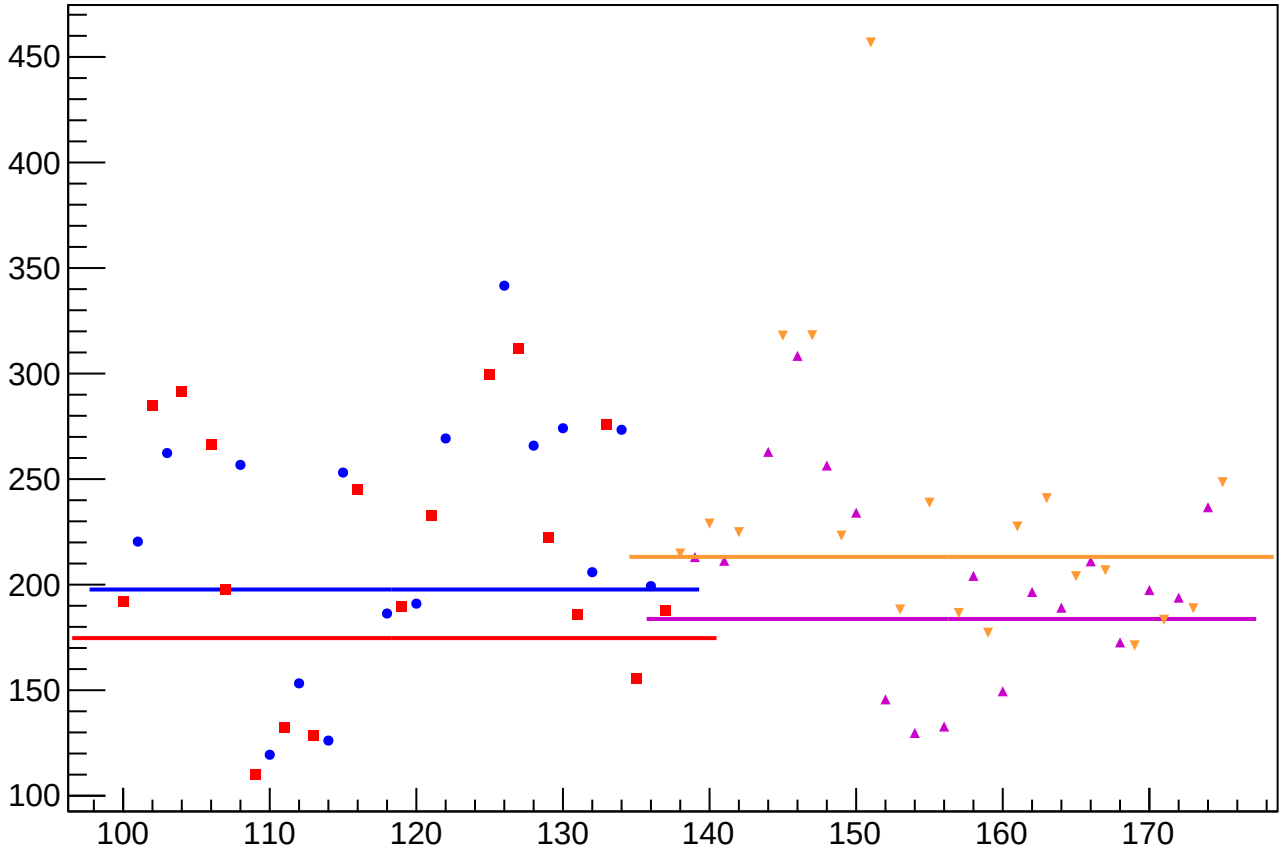
Left In: -119.170+/-50.107 χ^2/NDF:7.1/17

+ sign 78.320+/-45.872 χ^2/NDF: 26.3/34

All: 16.825+/-30.449 χ^2/NDF: 57.0/70

- sign -31.612+/-40.711 χ^2/NDF: 27.5/35

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 213.156+/-0.040 χ^2/NDF:1194912.1/18

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

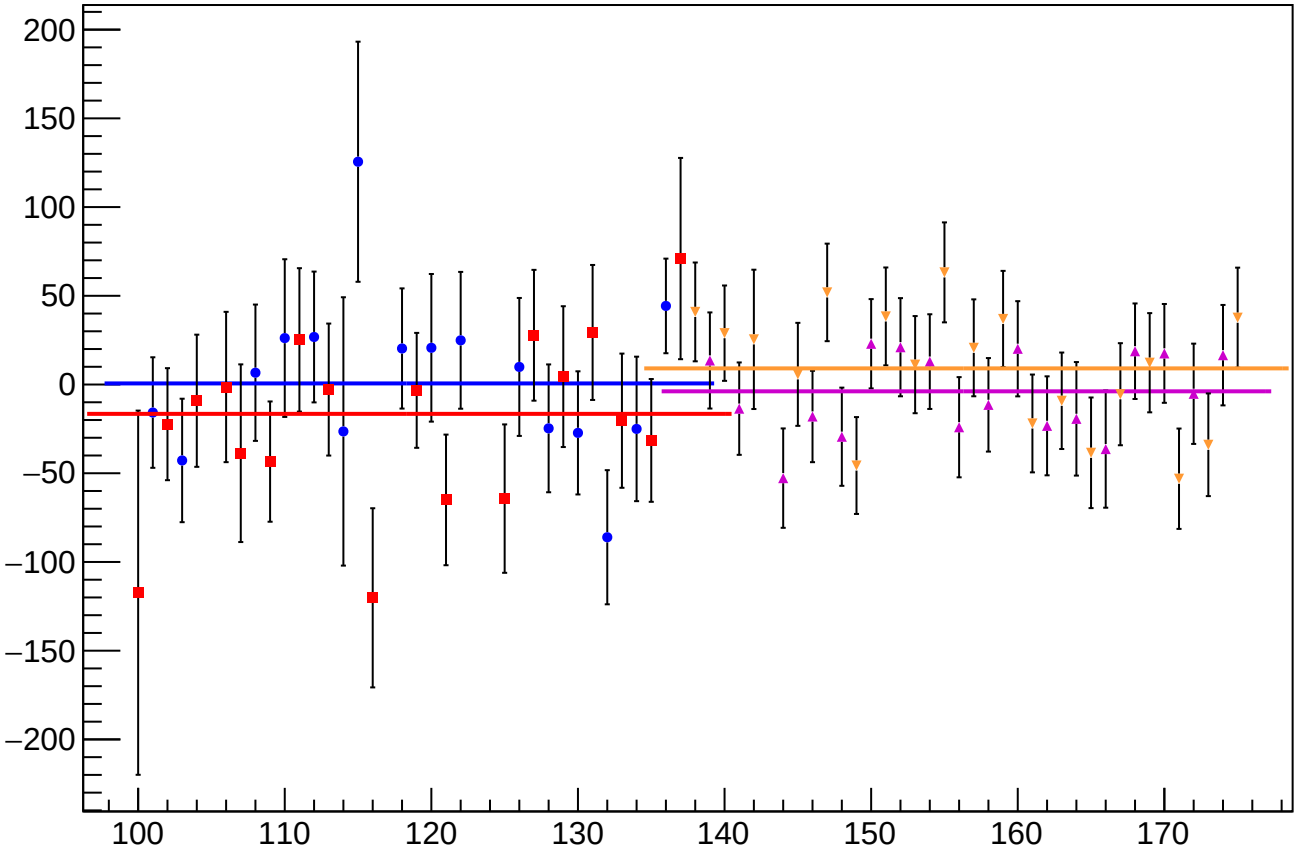
Left In: 183.759+/-0.035 χ^2/NDF:1540108.2/17

+ sign 207.756+/-0.032 χ^2/NDF: 2246818.0/34

All: 192.606+/-0.022 χ^2/NDF: 5733971.6/70

- sign 180.673+/-0.029 χ^2/NDF: 3097182.3/35

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 9.096+/-6.499 χ^2/NDF:26.9/18

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

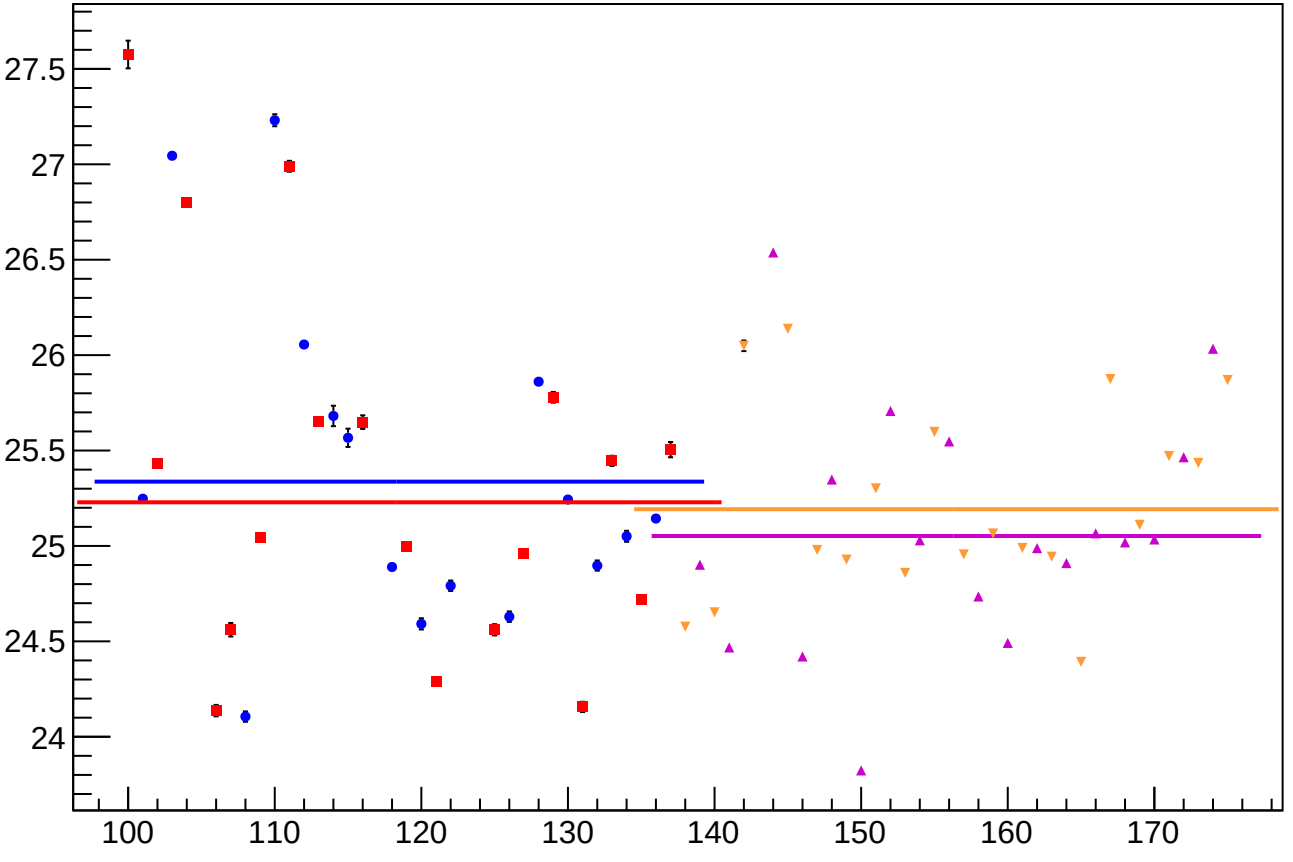
Left In: -3.831+/-6.502 χ^2/NDF:12.0/17

+ sign 6.363+/-5.349 χ^2/NDF: 44.2/34

All: -0.843+/-3.776 χ^2/NDF: 77.5/70

- sign -7.998+/-5.330 χ^2/NDF: 29.6/35

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.192+/-0.005 χ^2/NDF:10328.5/18

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

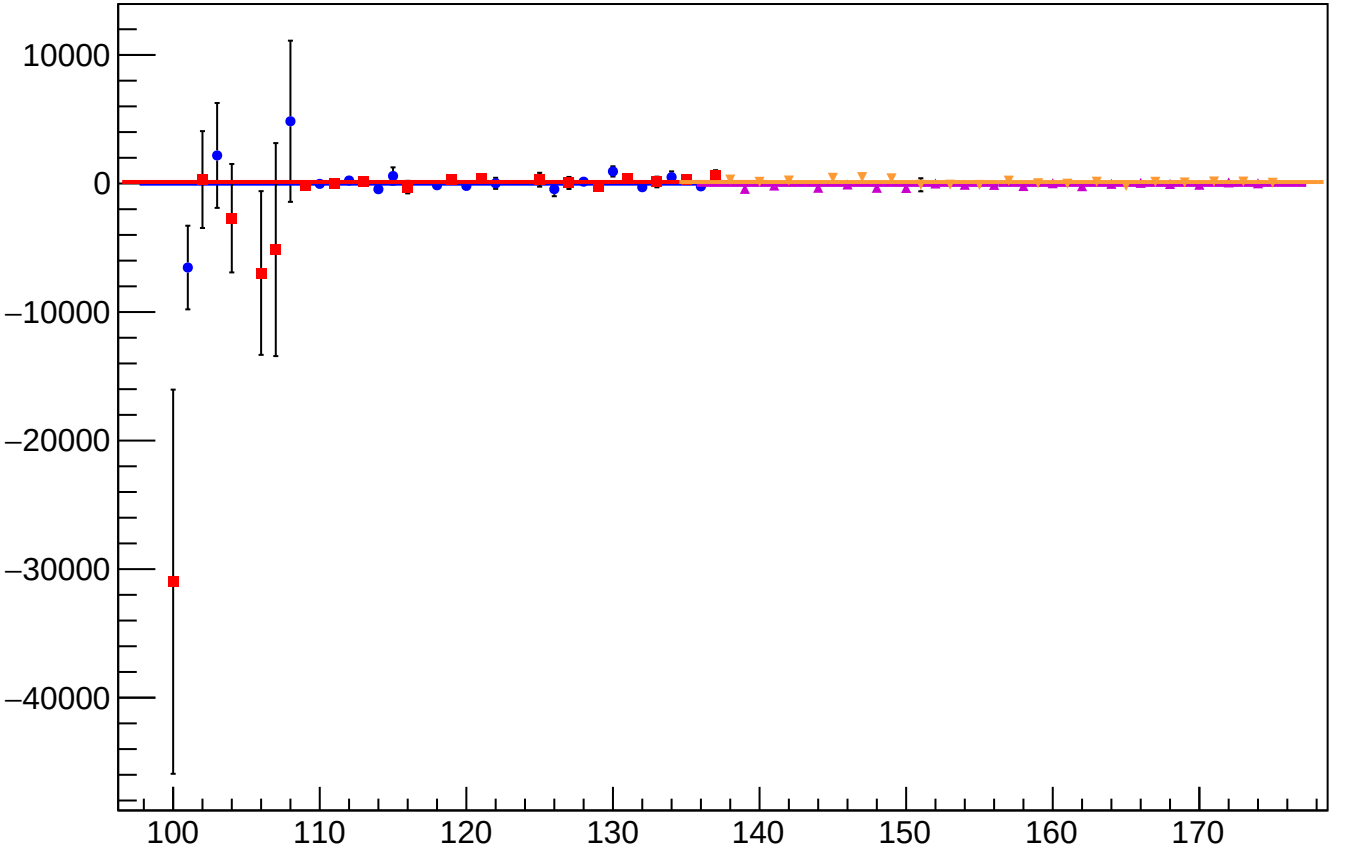
Left In: 25.052+/-0.005 χ^2/NDF:18682.2/17

+ sign 25.239+/-0.004 χ^2/NDF: 24962.7/34

All: 25.174+/-0.003 χ^2/NDF: 59889.1/70

- sign 25.110+/-0.004 χ^2/NDF: 34342.8/35

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 114.446+/-57.221 χ^2/NDF:7.9/18

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

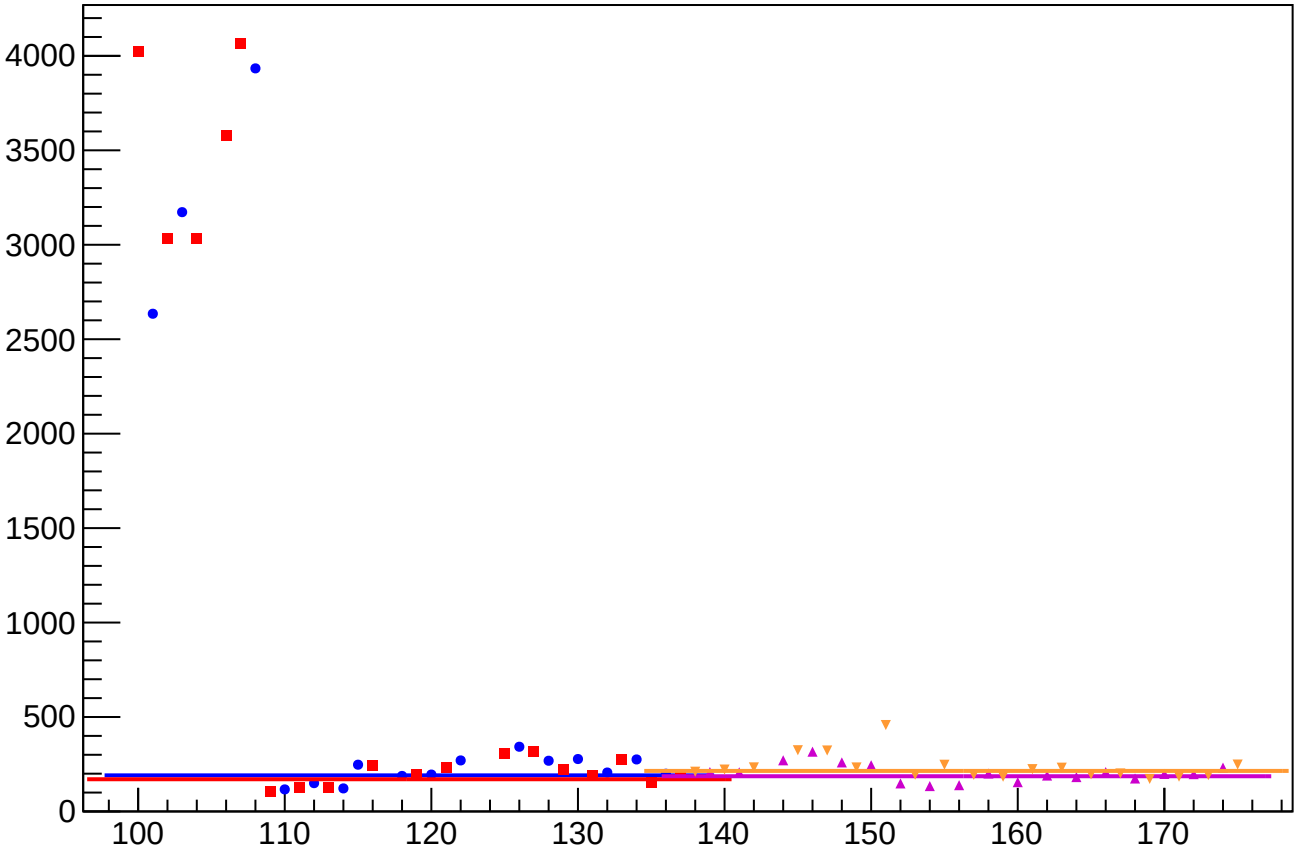
Left In: -107.924+/-50.689 χ^2/NDF:6.7/17

+ sign 74.297+/-47.372 χ^2/NDF: 27.8/34

All: 10.722+/-31.652 χ^2/NDF: 58.1/70

- sign -40.553+/-42.543 χ^2/NDF: 27.1/35

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 214.645+/-0.040 χ^2/NDF:1167604.7/18

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

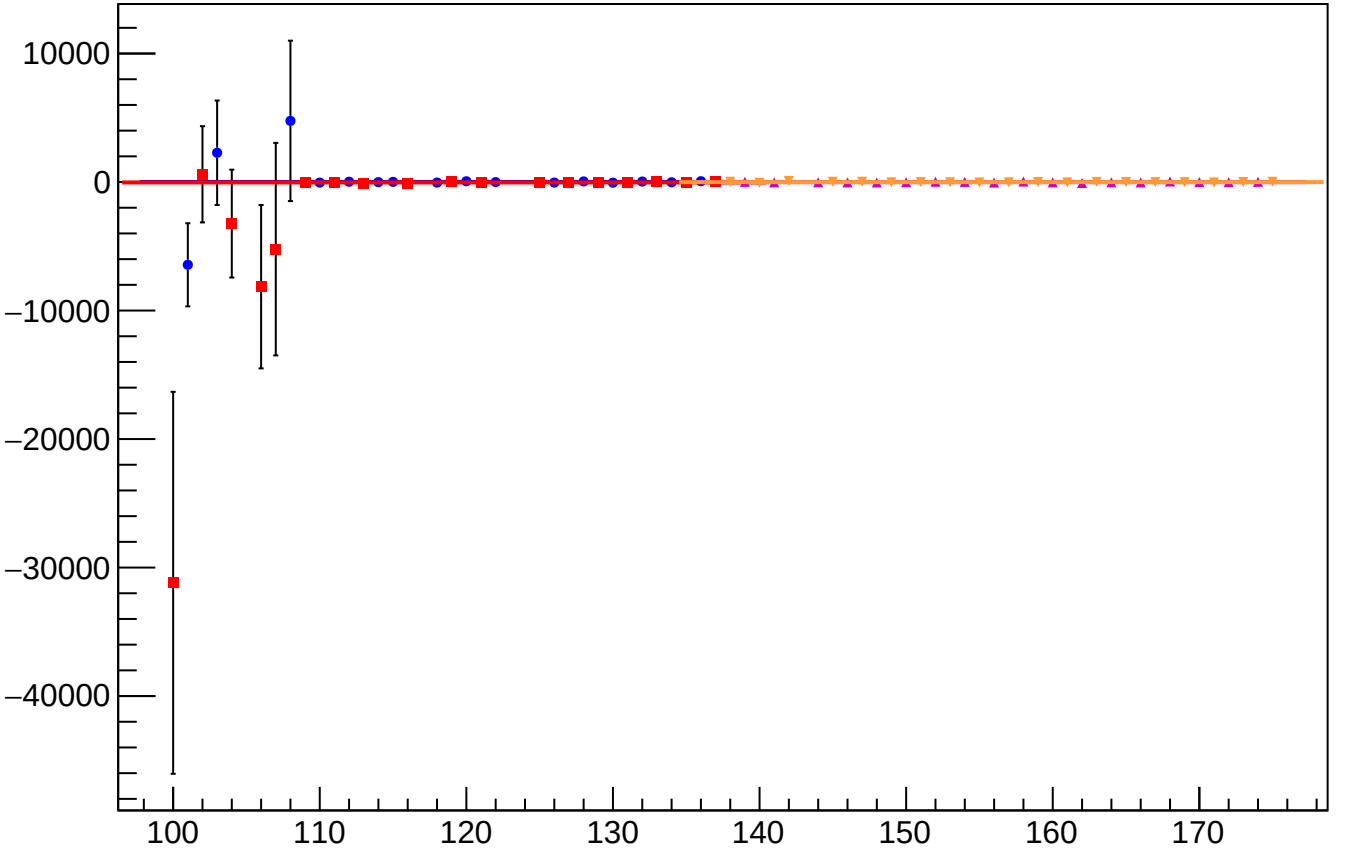
Left In: 186.423+/-0.036 χ^2/NDF:1404817.7/17

+ sign 207.227+/-0.033 χ^2/NDF: 5108366.4/34

All: 193.105+/-0.022 χ^2/NDF: 11147513.6/70

- sign 181.714+/-0.030 χ^2/NDF: 5718026.9/35

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -7.013+/-7.437 χ^2/NDF:12.4/18

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

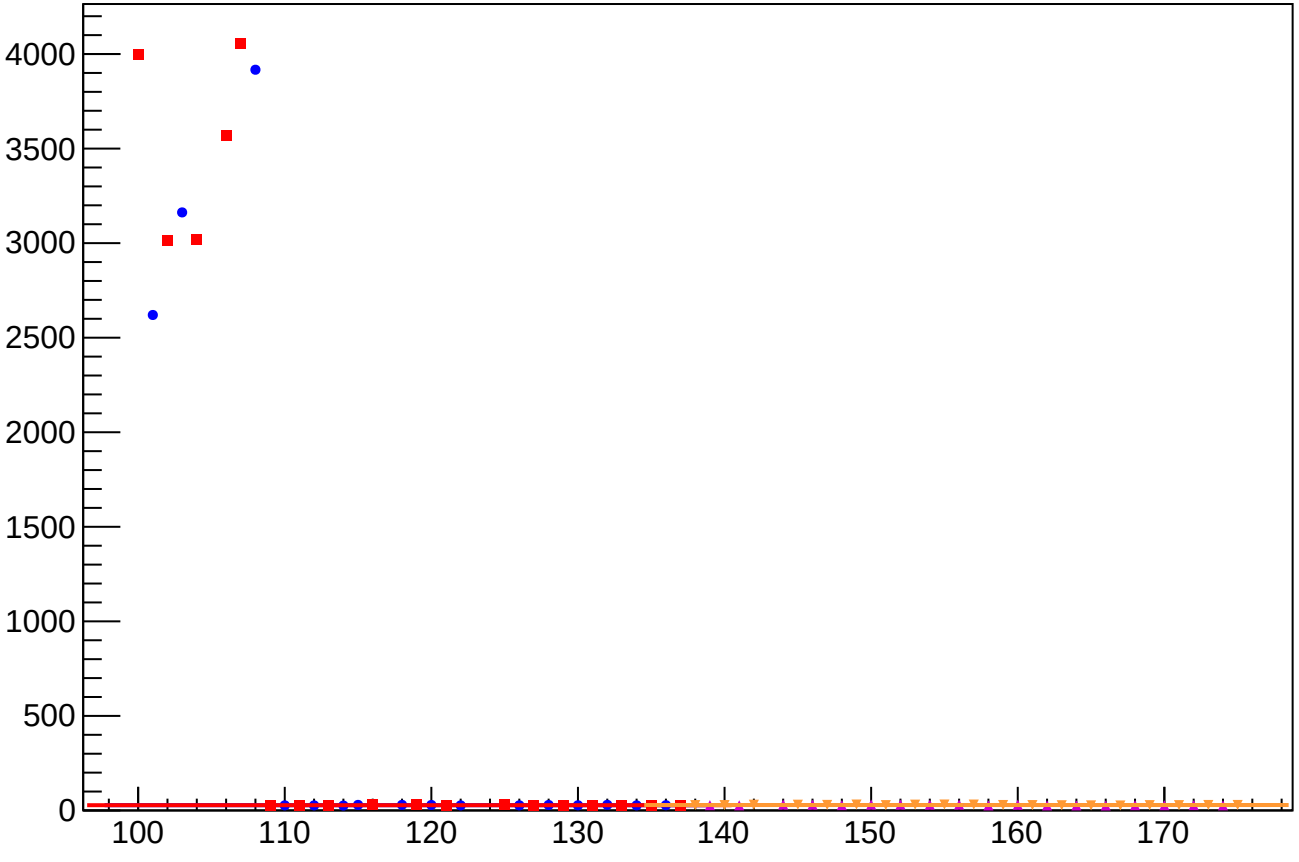
Left In: -6.679+/-7.487 χ^2/NDF:16.7/17

+ sign -3.158+/-6.286 χ^2/NDF: 31.7/34

All: -8.192+/-4.472 χ^2/NDF: 72.5/70

- sign -13.354+/-6.365 χ^2/NDF: 39.5/35

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.779+/-0.005 χ^2/NDF:72710.8/18

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

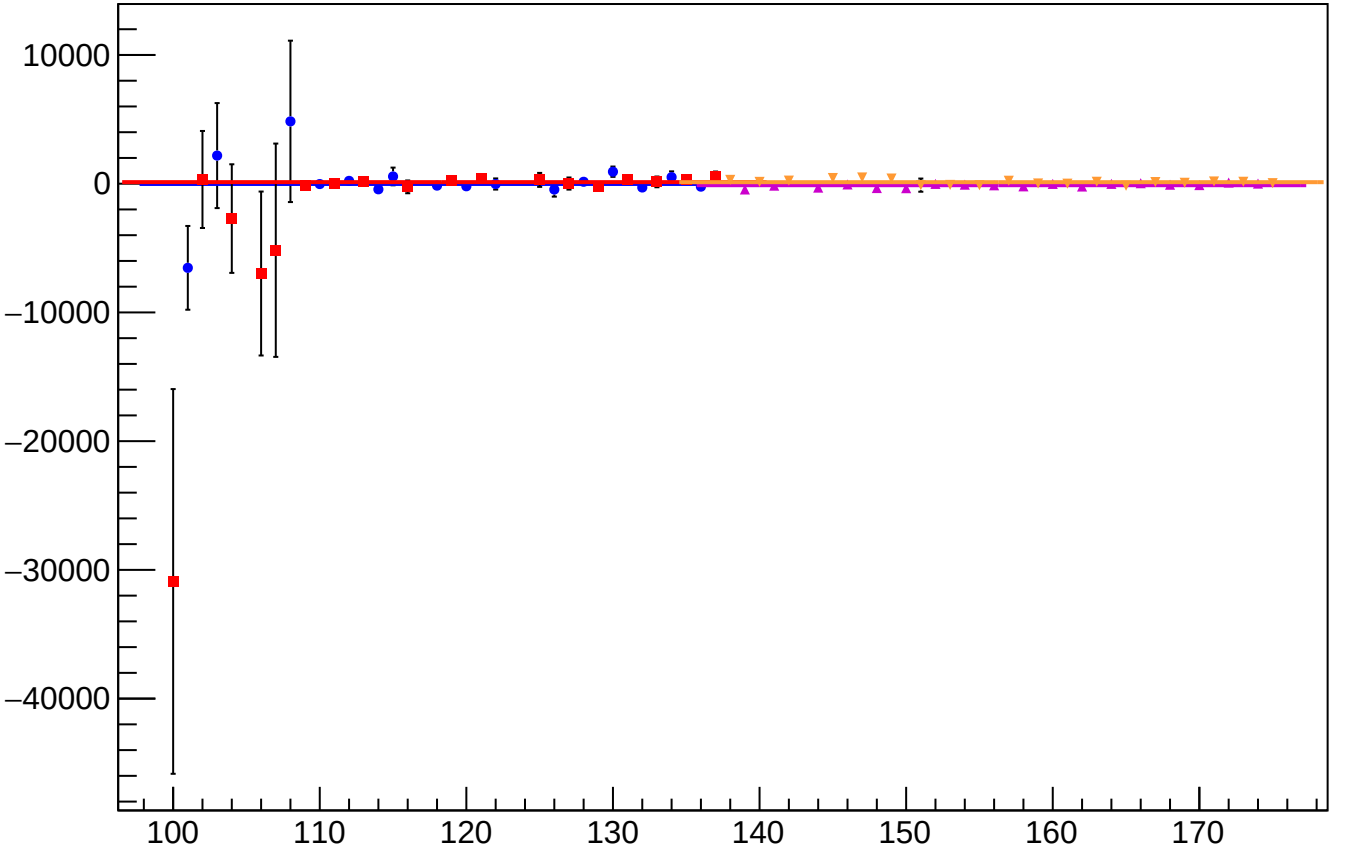
Left In: 28.774+/-0.005 χ^2/NDF:117010.7/17

+ sign 28.506+/-0.004 χ^2/NDF: 3347997.5/34

All: 28.502+/-0.003 χ^2/NDF: 7033221.2/70

- sign 28.498+/-0.005 χ^2/NDF: 3685221.9/35

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 118.339+/-57.694 χ^2/NDF:7.7/18

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

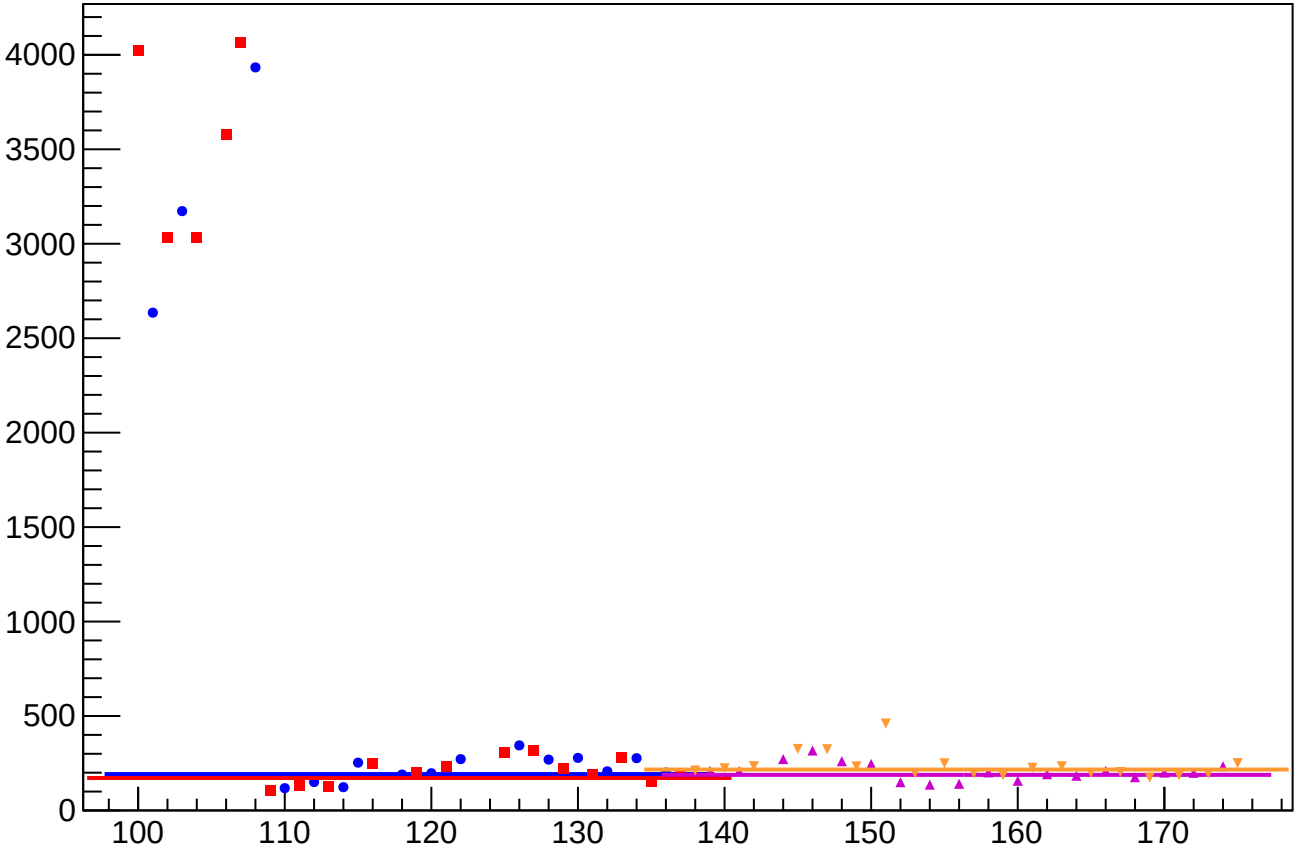
Left In: -116.861+/-51.171 χ^2/NDF:6.6/17

+ sign 74.902+/-47.748 χ^2/NDF: 27.6/34

All: 7.924+/-31.921 χ^2/NDF: 57.4/70

- sign -46.203+/-42.923 χ^2/NDF: 26.2/35

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 216.517+/-0.041 χ^2/NDF:1149876.0/18

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

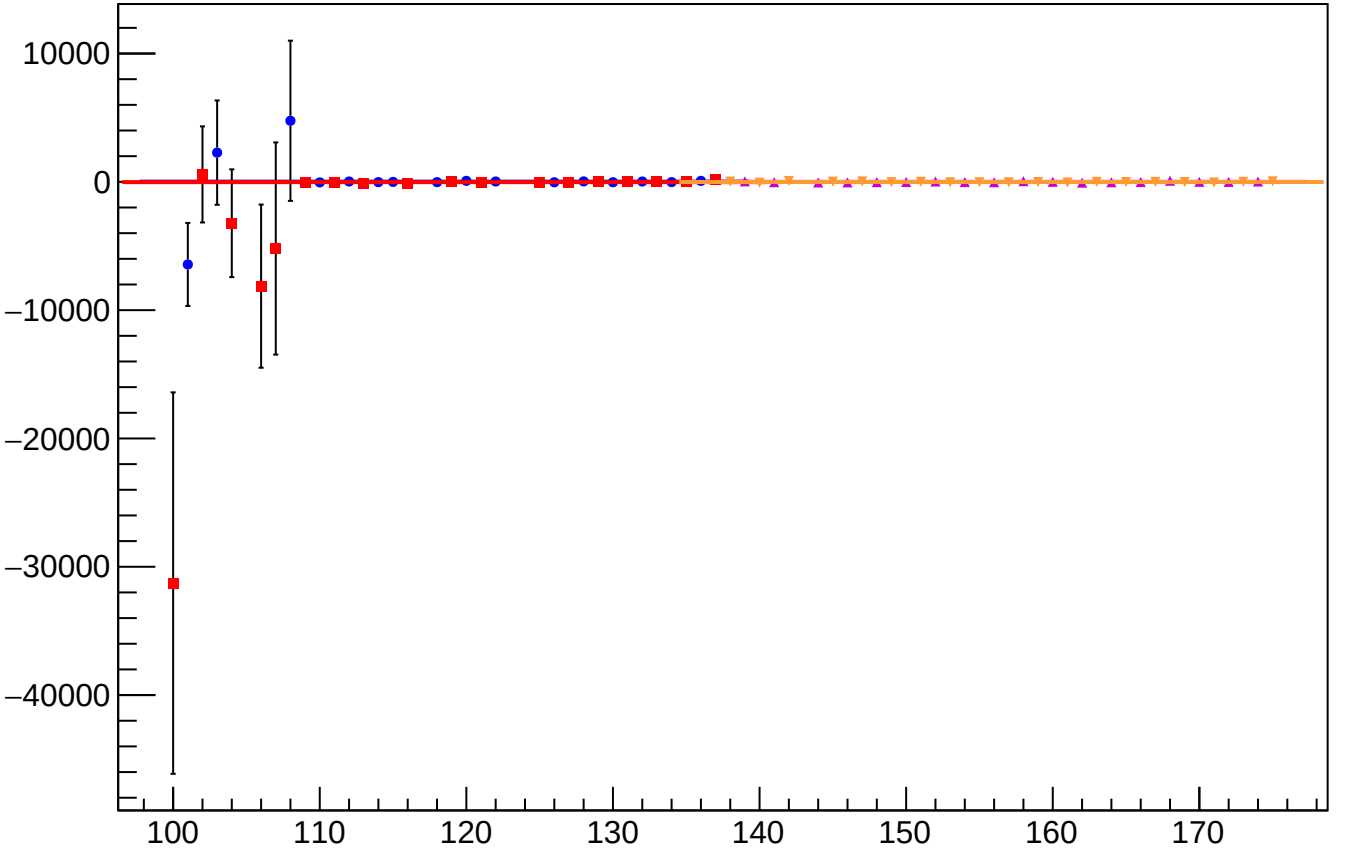
Left In: 188.351+/-0.036 χ^2/NDF:1364150.0/17

+ sign 208.968+/-0.034 χ^2/NDF: 5081317.8/34

All: 194.869+/-0.023 χ^2/NDF: 11069864.9/70

- sign 183.475+/-0.030 χ^2/NDF: 5673228.7/35

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -12.872+/-8.040 χ^2/NDF:14.9/18

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

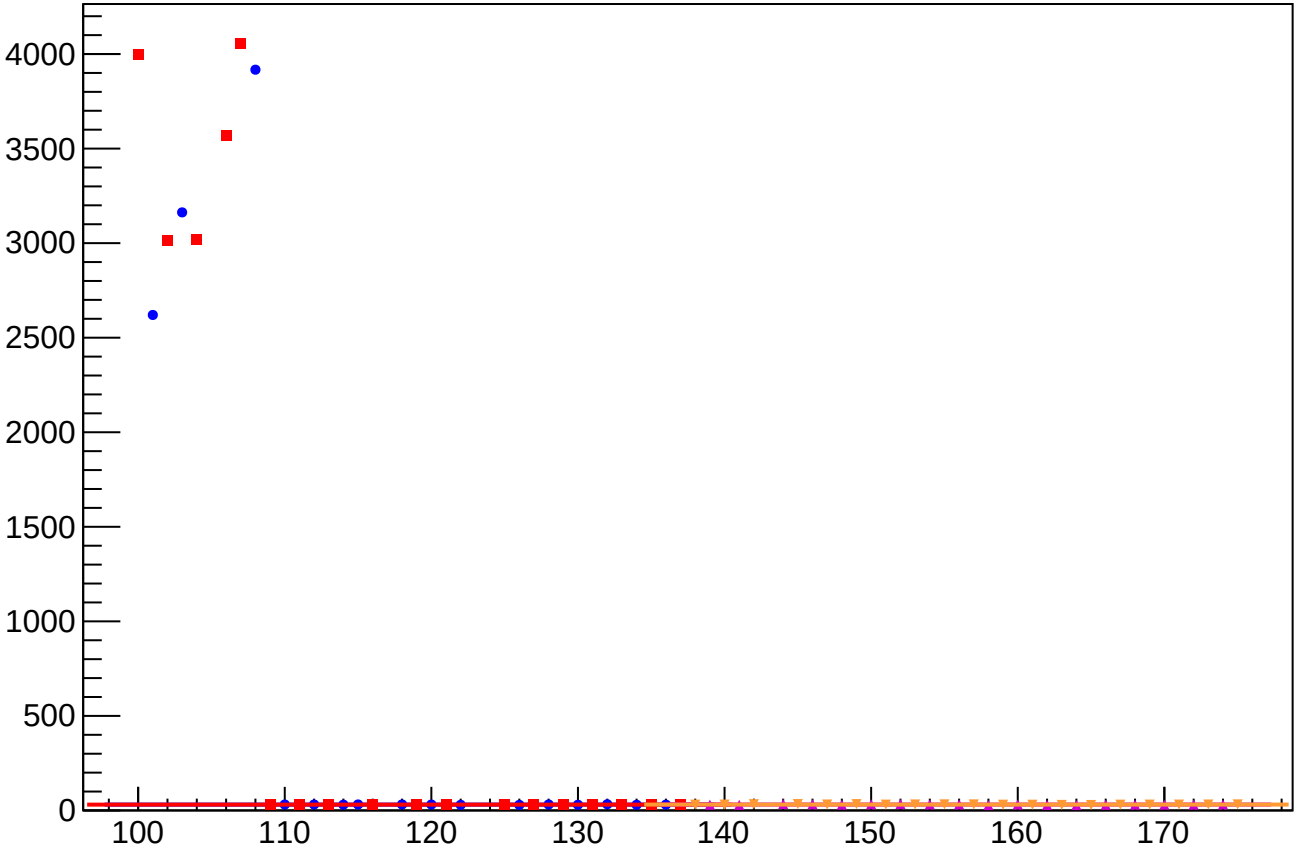
Left In: -1.206+/-8.119 χ^2/NDF:23.3/17

+ sign -5.567+/-6.847 χ^2/NDF: 33.4/34

All: -6.163+/-4.875 χ^2/NDF: 86.8/70

- sign -6.775+/-6.941 χ^2/NDF: 53.4/35

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.138+/-0.006 χ^2/NDF:43224.1/18

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

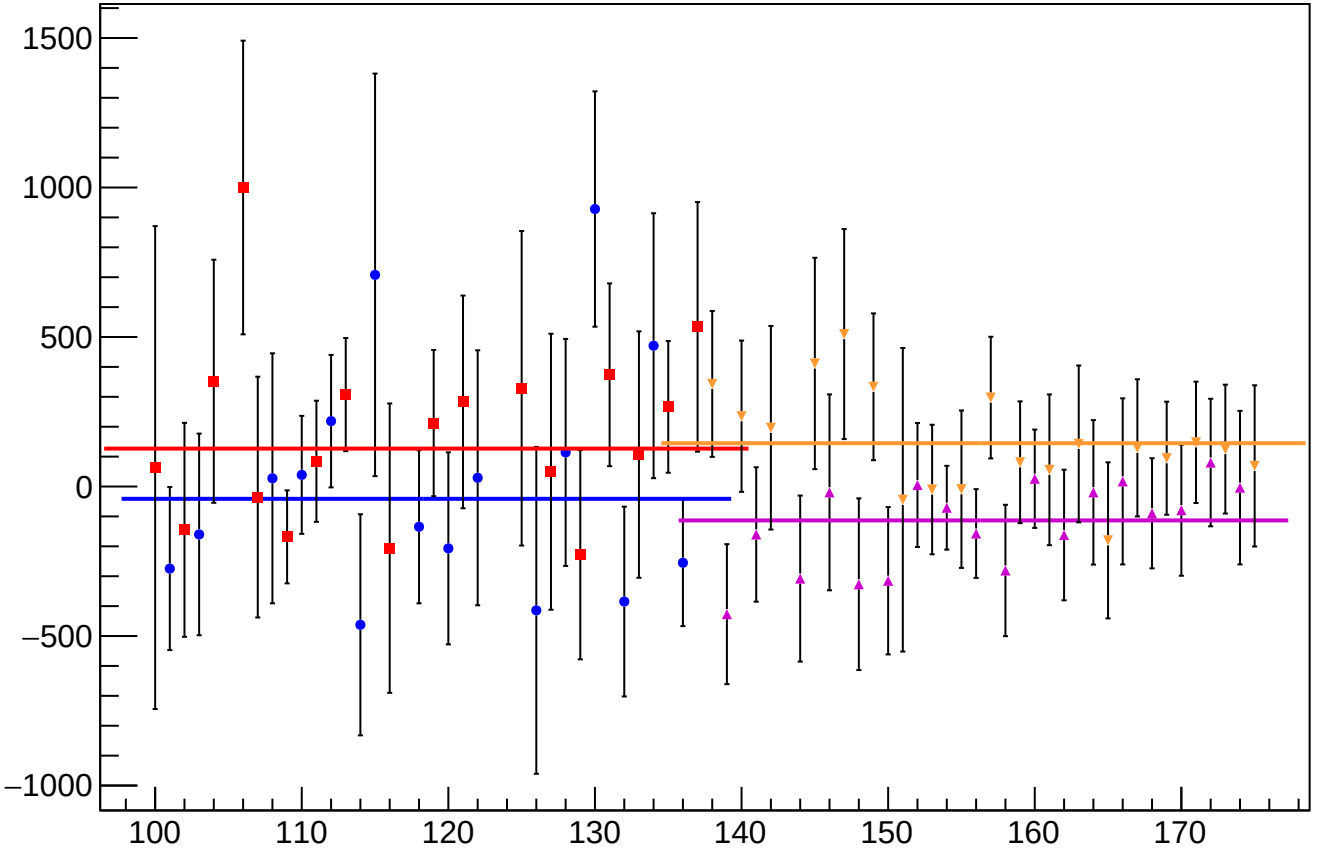
Left In: 31.224+/-0.006 χ^2/NDF:78400.2/17

+ sign 31.080+/-0.005 χ^2/NDF: 3296204.0/34

All: 31.095+/-0.003 χ^2/NDF: 6912022.8/70

- sign 31.111+/-0.005 χ^2/NDF: 3615798.8/35

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 144.899+/-56.506 χ^2/NDF:6.5/18

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

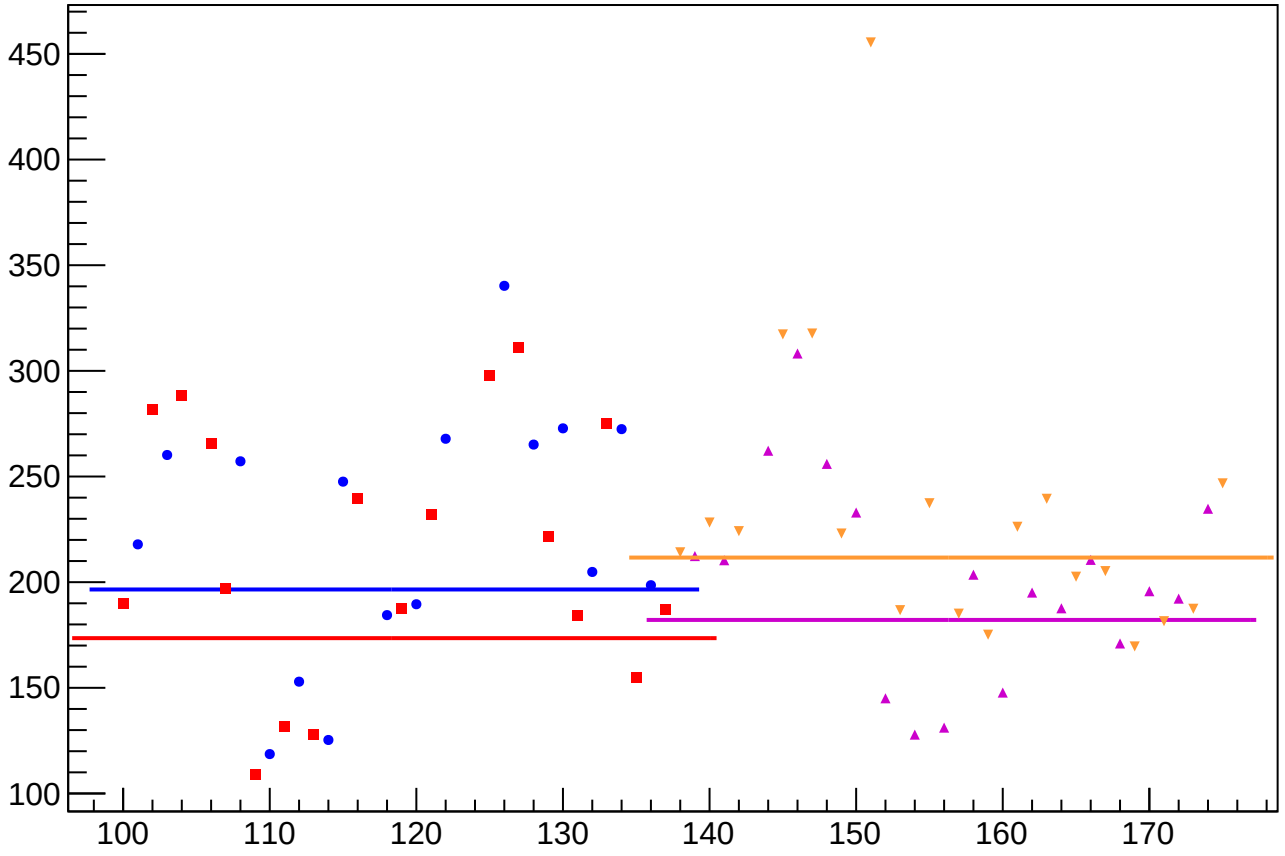
Left In: -113.318+/-49.708 χ^2/NDF:6.9/17

+ sign 79.941+/-45.585 χ^2/NDF: 25.9/34

All: 17.345+/-30.238 χ^2/NDF: 56.9/70

- sign -31.841+/-40.408 χ^2/NDF: 27.6/35

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 211.645+/-0.040 χ^2/NDF:1217141.3/18

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

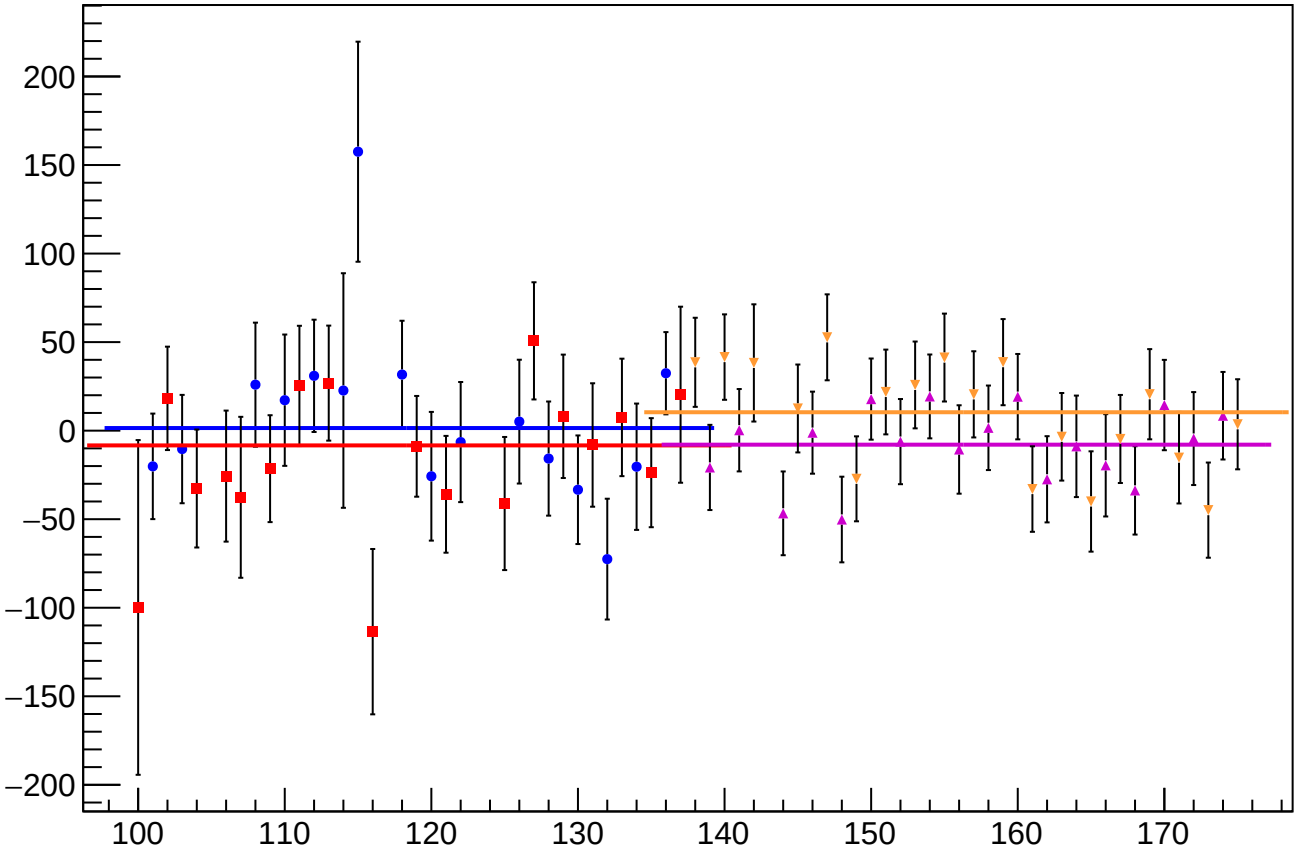
Left In: 182.132+/-0.035 χ^2/NDF:1583727.6/17

+ sign 206.371+/-0.032 χ^2/NDF: 2267804.9/34

All: 191.160+/-0.021 χ^2/NDF: 5802361.1/70

- sign 179.207+/-0.029 χ^2/NDF: 3136859.1/35

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 10.399+/-5.787 χ^2/NDF:25.4/18

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

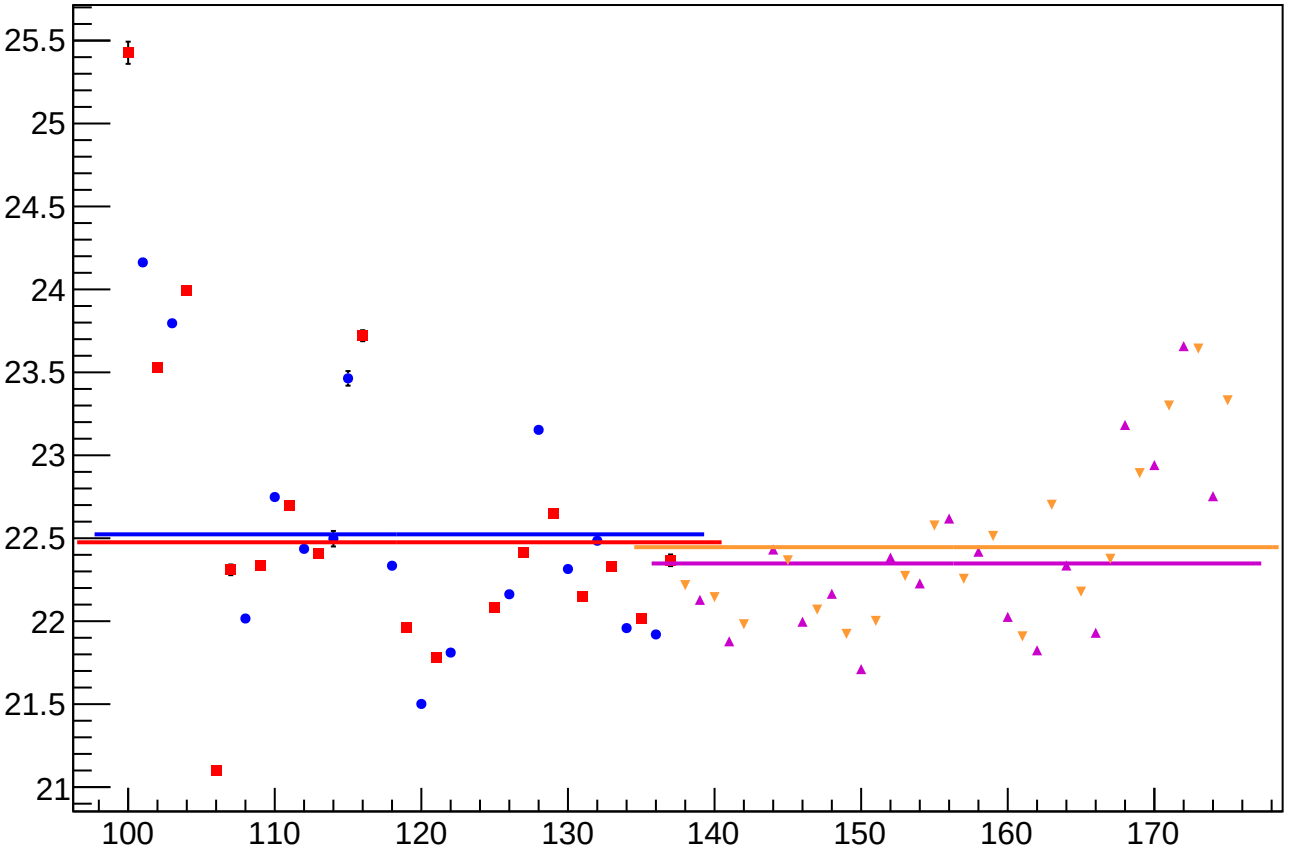
Left In: -7.917+/-5.795 χ^2/NDF:13.4/17

+ sign 7.513+/-4.760 χ^2/NDF: 44.8/34

All: -0.287+/-3.362 χ^2/NDF: 79.6/70

- sign -8.052+/-4.749 χ^2/NDF: 29.4/35

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.446+/-0.004 χ^2/NDF:13890.9/18

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

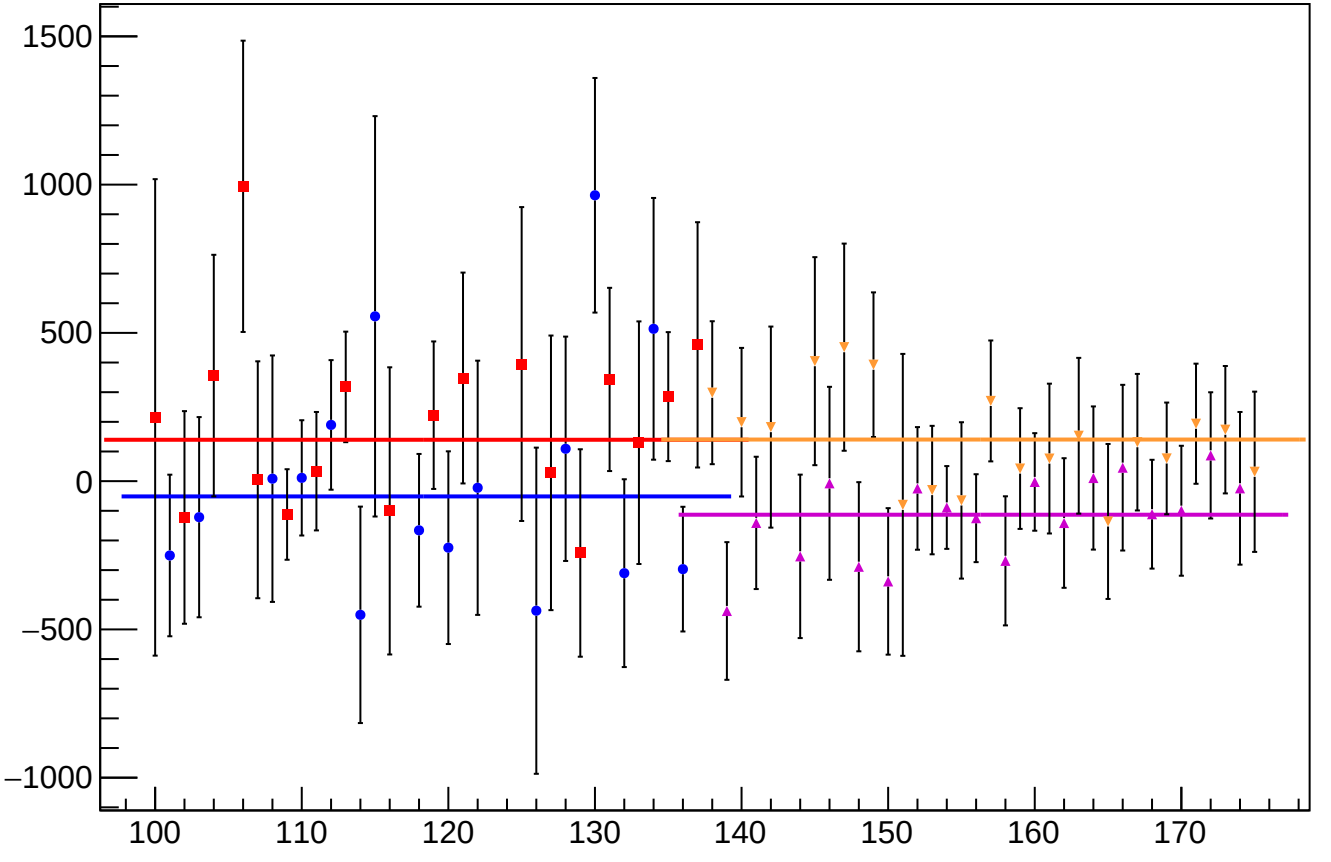
Left In: 22.348+/-0.004 χ^2/NDF:13978.8/17

+ sign 22.471+/-0.003 χ^2/NDF: 29954.2/34

All: 22.430+/-0.002 χ^2/NDF: 60081.3/70

- sign 22.390+/-0.003 χ^2/NDF: 29834.5/35

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 140.325+/-56.404 χ^2/NDF:6.5/18

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

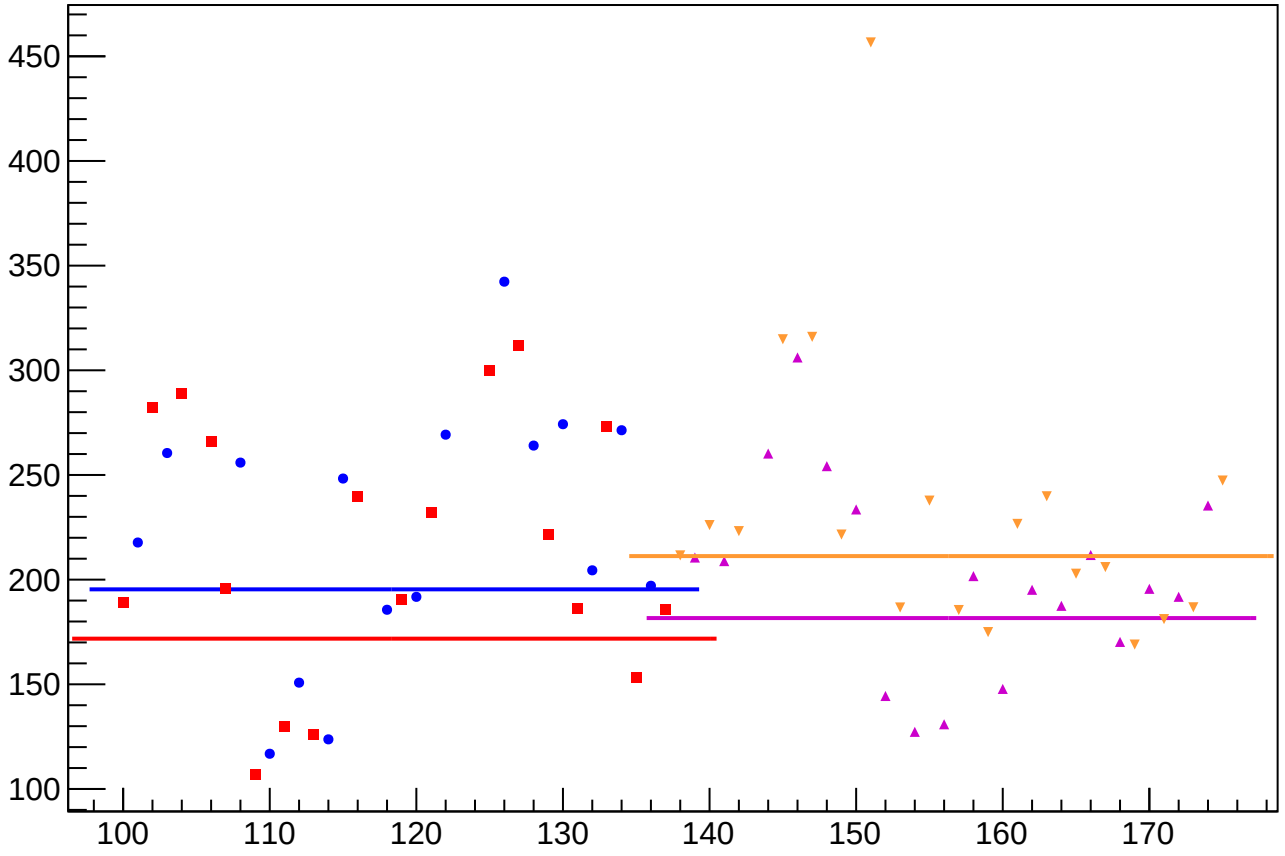
Left In: -113.219+/-49.579 χ^2/NDF:6.3/17

+ sign 73.111+/-45.461 χ^2/NDF: 25.9/34

All: 16.998+/-30.132 χ^2/NDF: 55.4/70

- sign -26.969+/-40.241 χ^2/NDF: 26.8/35

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 211.246+/-0.040 χ^2/NDF:1213908.7/18

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

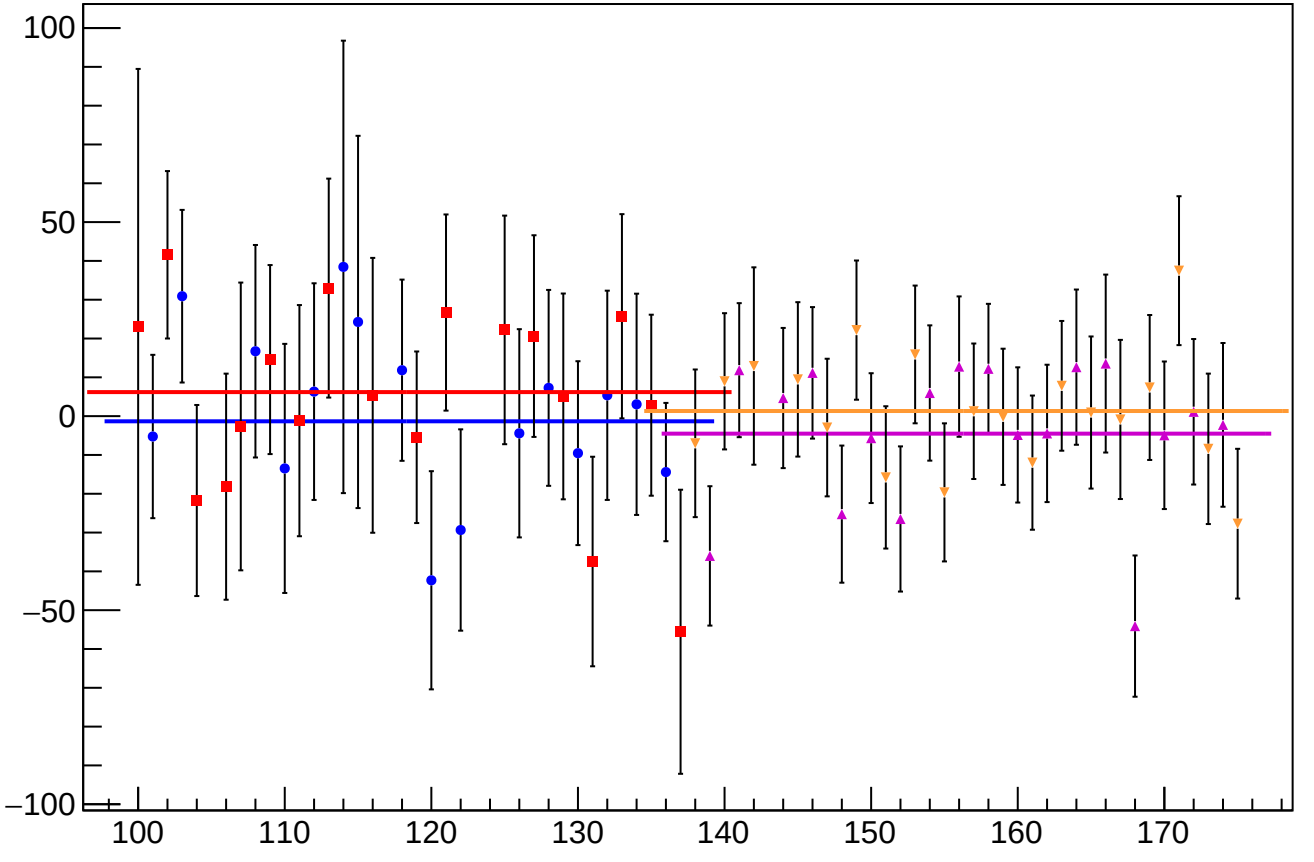
Left In: 181.639+/-0.035 χ^2/NDF:1577402.7/17

+ sign 205.680+/-0.032 χ^2/NDF: 2310927.8/34

All: 190.319+/-0.021 χ^2/NDF: 5923101.5/70

- sign 178.284+/-0.028 χ^2/NDF: 3204917.3/35

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.320+/-4.262 χ^2/NDF:12.0/18

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

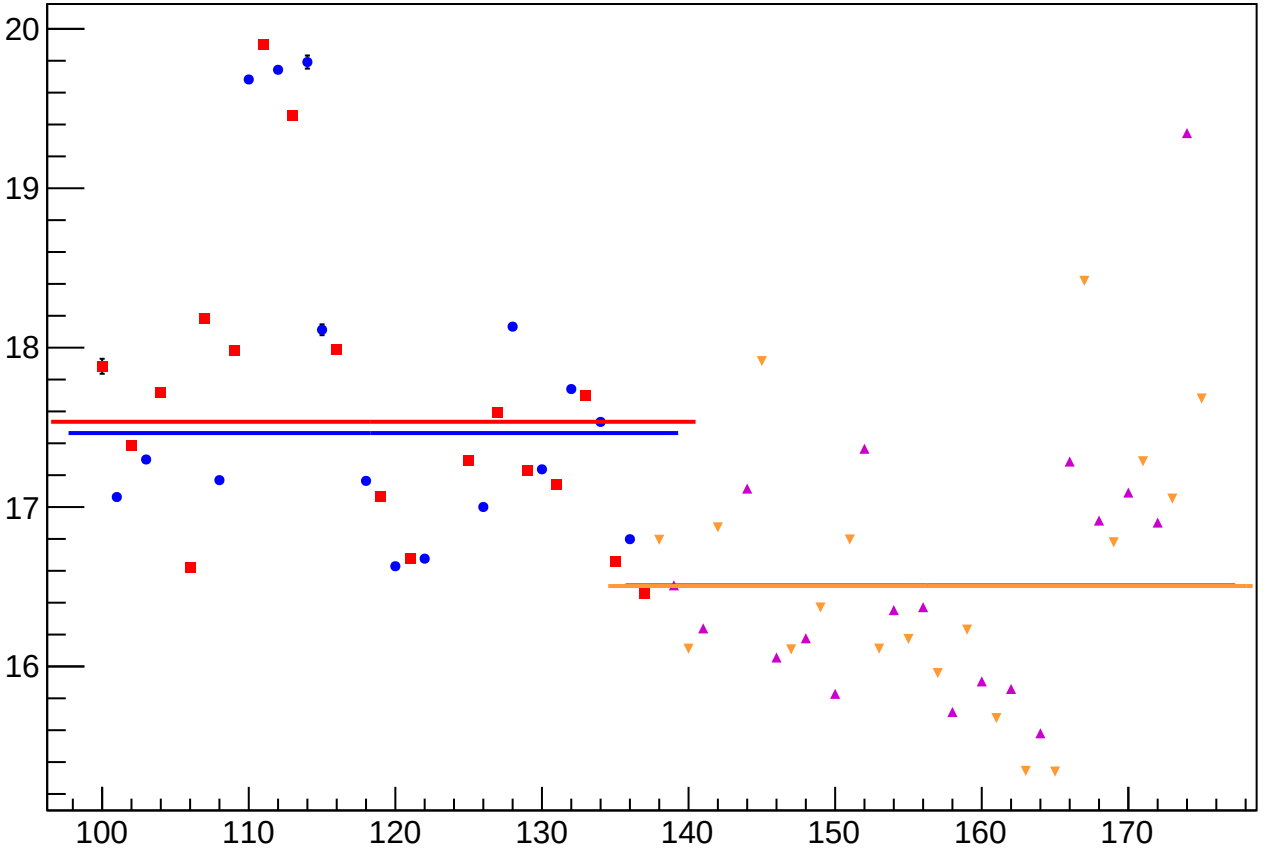
Left In: -4.513+/-4.290 χ^2/NDF:19.0/17

\+ sign 0.523+/-3.564 χ^2/NDF: 20.2/34

All: -0.358+/-2.524 χ^2/NDF: 54.7/70

\- sign -1.244+/-3.576 χ^2/NDF: 34.4/35

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.505+/-0.003 χ^2/NDF:69209.5/18

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

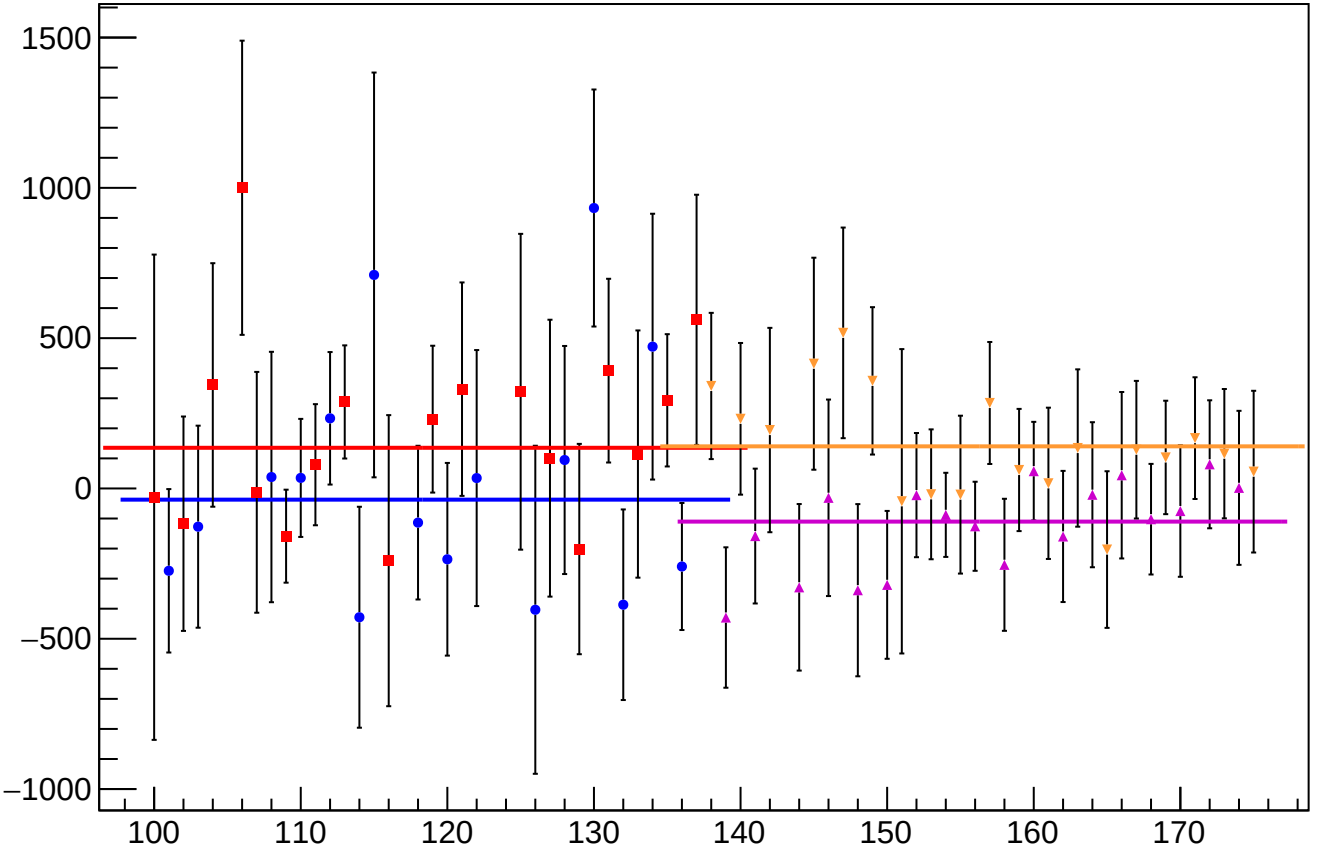
Left In: 16.509+/-0.003 χ^2/NDF:68798.1/17

+ sign 16.793+/-0.003 χ^2/NDF: 136355.0/34

All: 16.808+/-0.002 χ^2/NDF: 274617.4/70

- sign 16.822+/-0.003 χ^2/NDF: 138196.7/35

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 140.067+/-56.384 χ^2/NDF:7.2/18

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

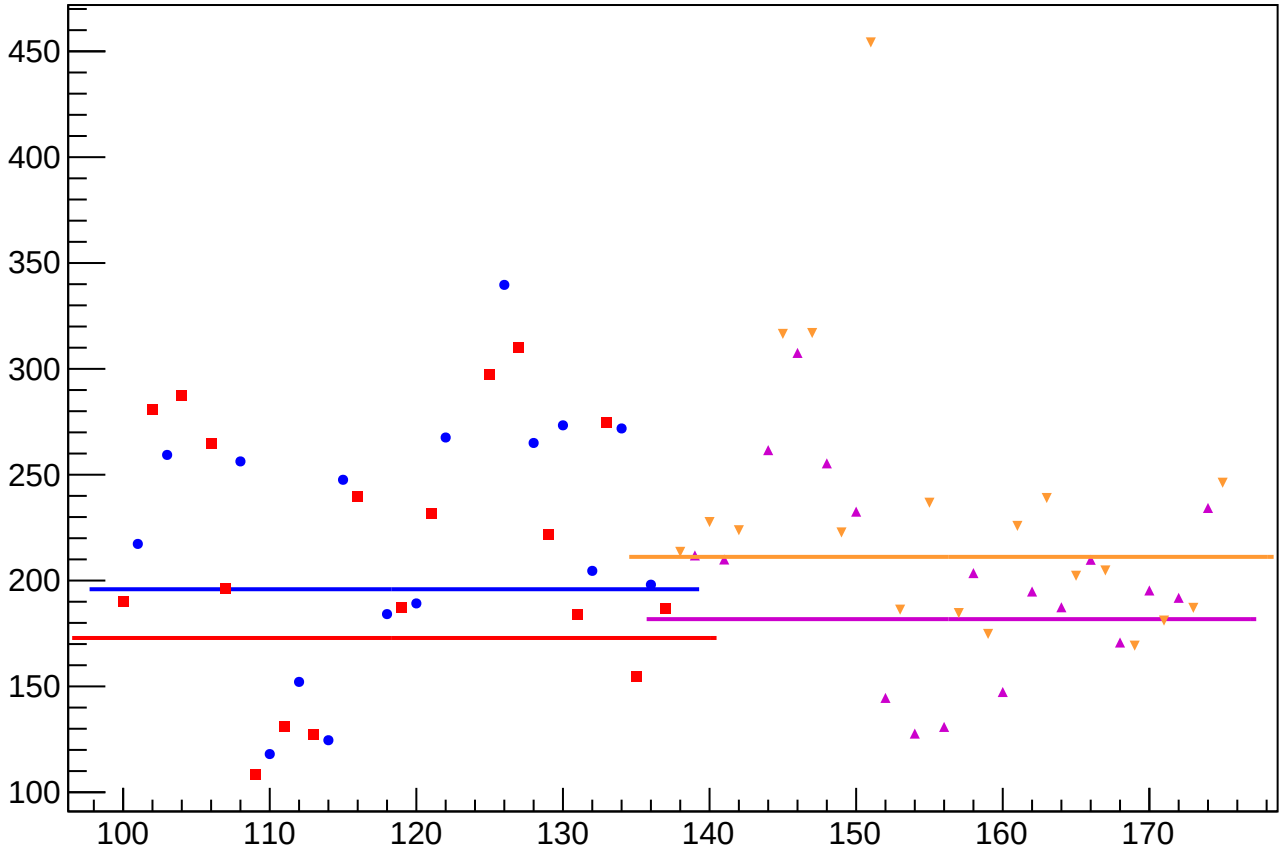
Left In: -110.289+/-49.611 χ^2/NDF:7.2/17

+ sign 78.090+/-45.474 χ^2/NDF: 26.4/34

All: 19.326+/-30.165 χ^2/NDF: 57.6/70

- sign -26.853+/-40.312 χ^2/NDF: 28.3/35

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 211.190+/-0.040 χ^2/NDF:1216563.2/18

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

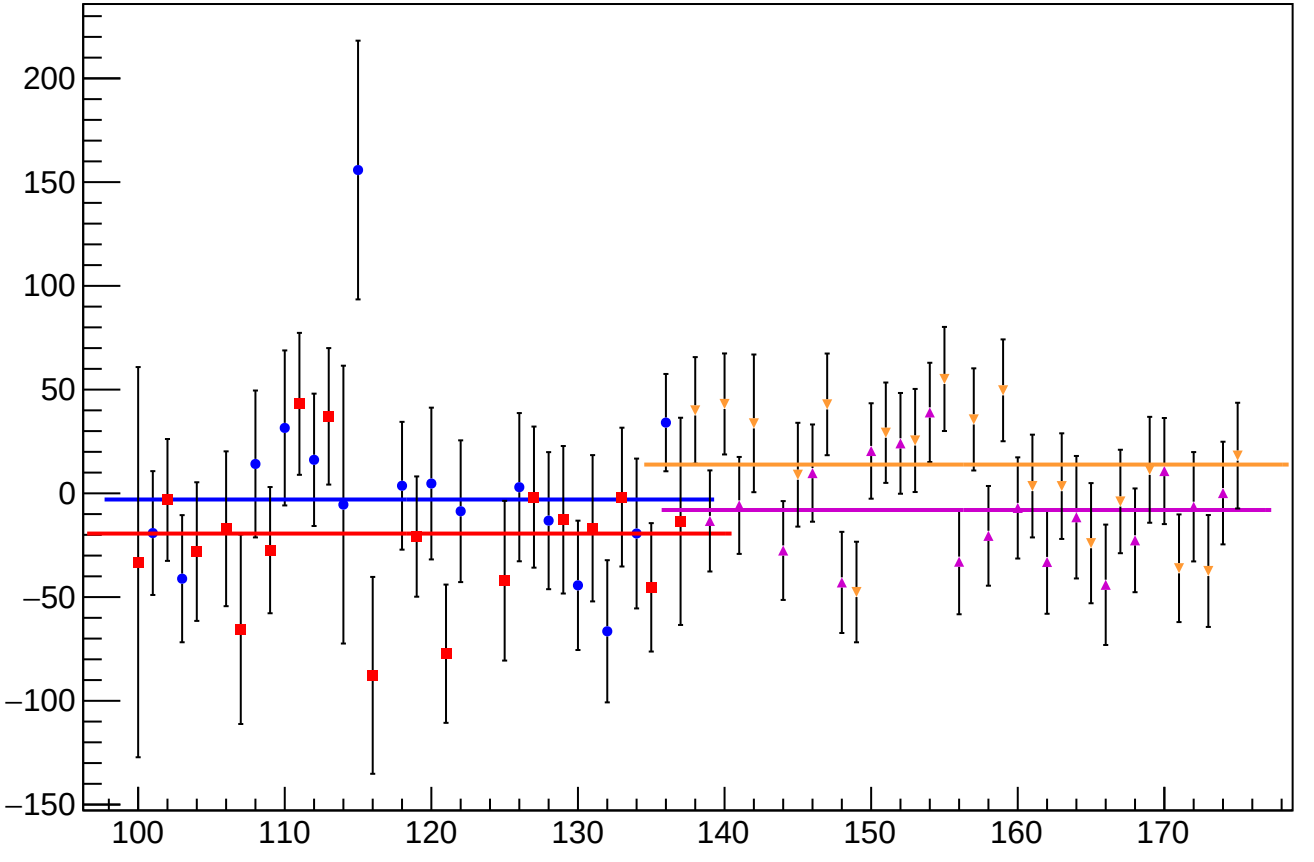
Left In: 181.779+/-0.035 χ^2/NDF:1583711.9/17

+ sign 205.845+/-0.032 χ^2/NDF: 2278985.5/34

All: 190.675+/-0.021 χ^2/NDF: 5825364.6/70

- sign 178.753+/-0.029 χ^2/NDF: 3148869.8/35

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 13.870+/-5.851 χ^2/NDF:26.9/18

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

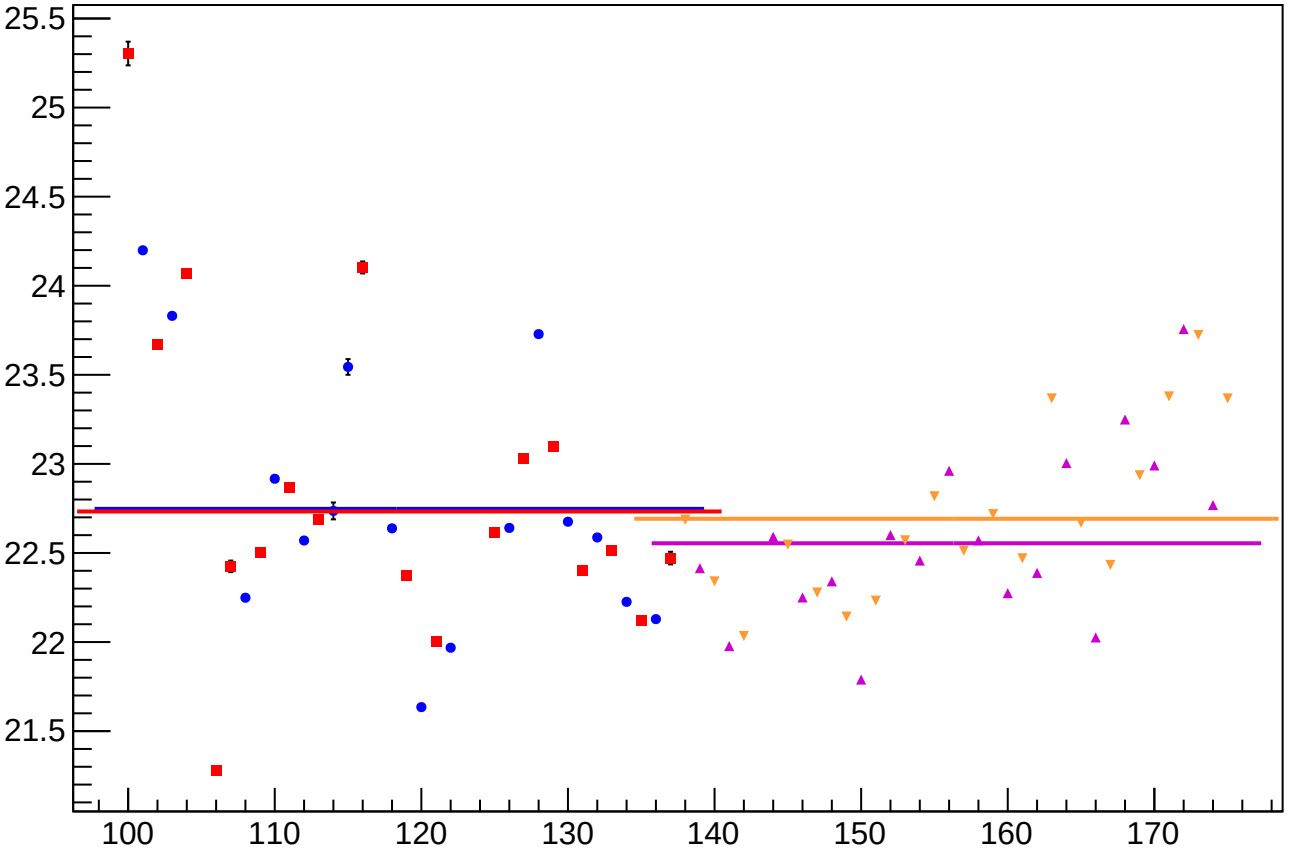
Left In: -8.024+/-5.849 χ^2/NDF:15.3/17

+ sign 8.418+/-4.811 χ^2/NDF: 47.5/34

All: -1.694+/-3.397 χ^2/NDF: 87.3/70

- sign -11.746+/-4.797 χ^2/NDF: 31.0/35

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.692+/-0.004 χ^2/NDF:11501.4/18

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

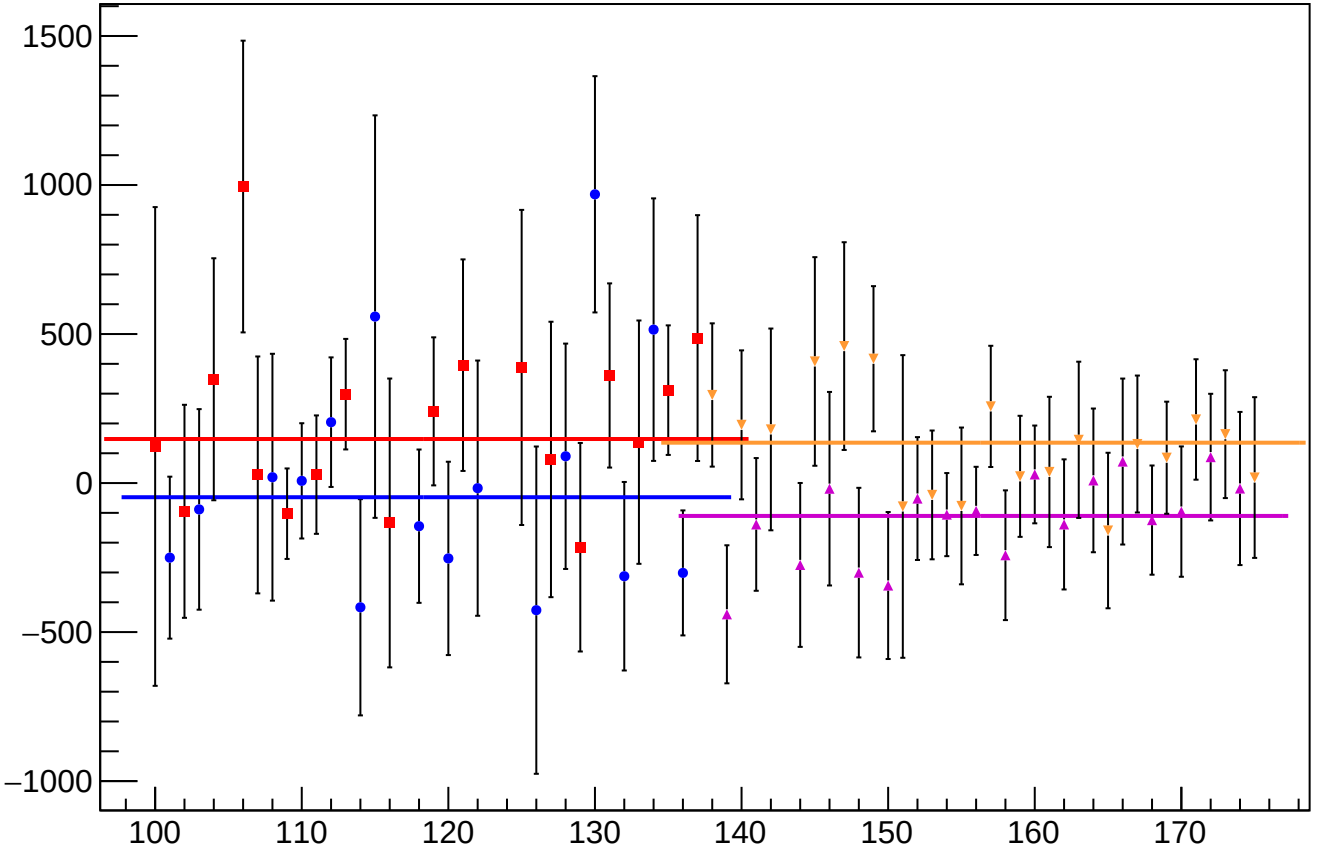
Left In: 22.554+/-0.004 χ^2/NDF:12471.4/17

+ sign 22.710+/-0.003 χ^2/NDF: 26182.2/34

All: 22.661+/-0.002 χ^2/NDF: 54061.6/70

- sign 22.613+/-0.003 χ^2/NDF: 27470.7/35

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 135.438+/-56.282 χ^2/NDF:7.3/18

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

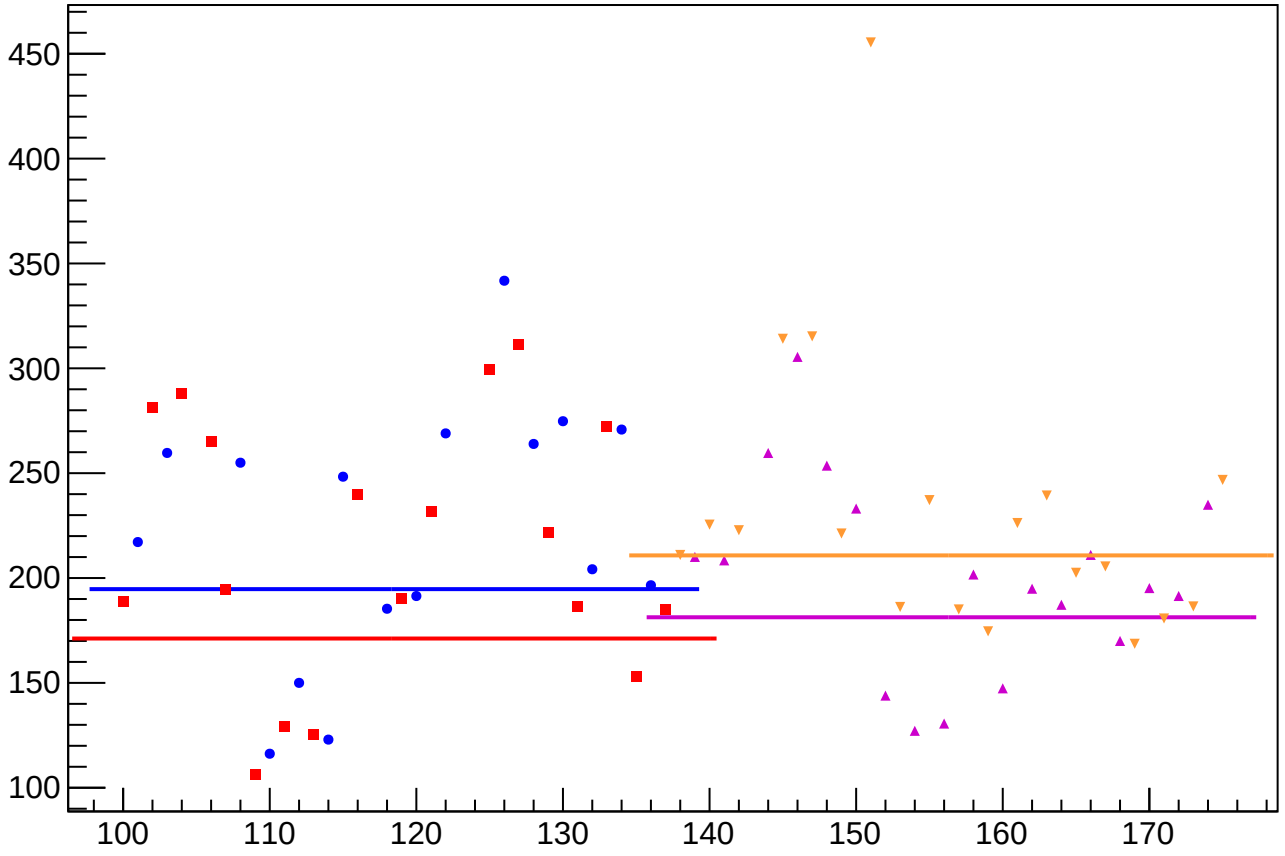
Left In: -110.281+/-49.483 χ^2/NDF:6.7/17

+ sign 71.263+/-45.349 χ^2/NDF: 26.4/34

All: 18.944+/-30.059 χ^2/NDF: 56.3/70

- sign -22.052+/-40.144 χ^2/NDF: 27.5/35

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 210.792+/-0.040 χ^2/NDF:1213348.7/18

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

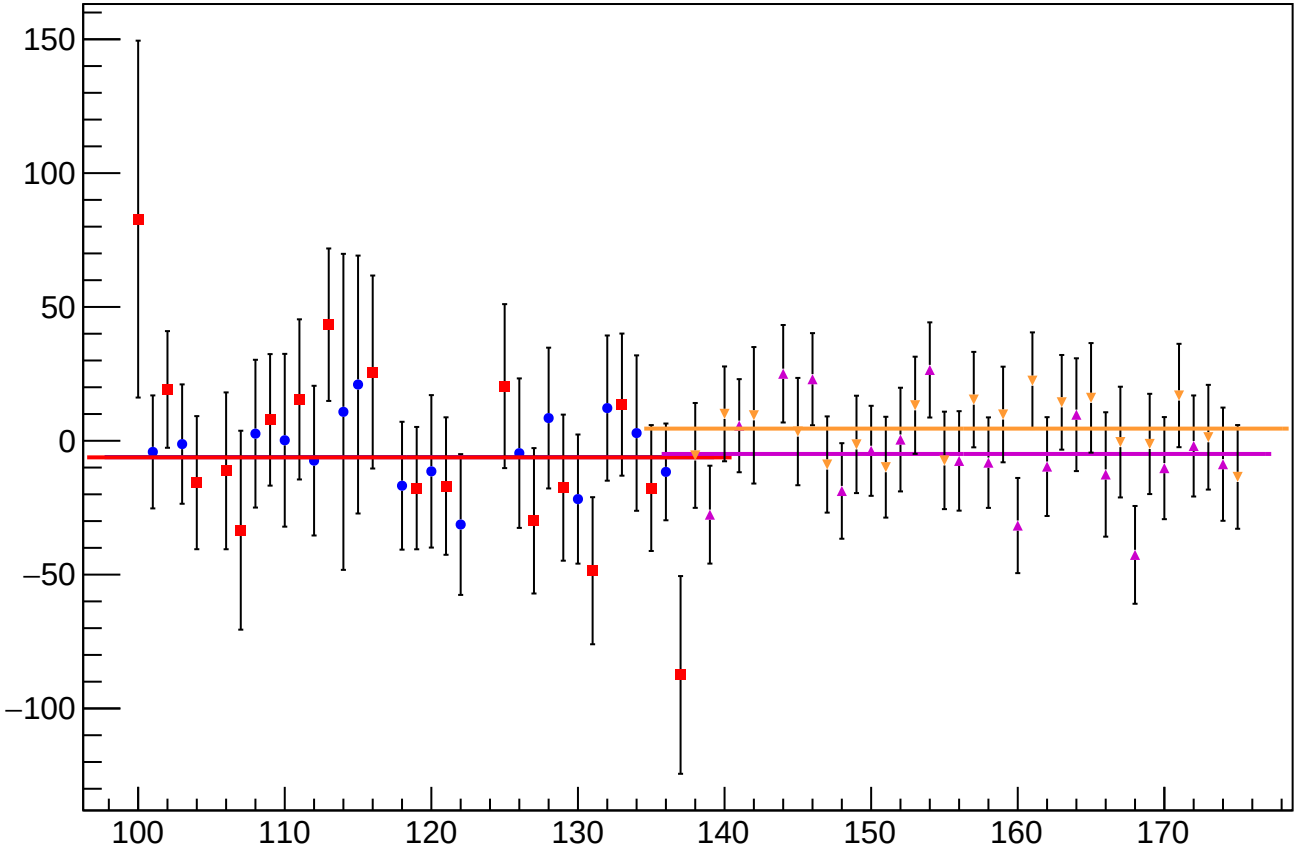
Left In: 181.289+/-0.035 χ^2/NDF:1577258.5/17

+ sign 205.150+/-0.032 χ^2/NDF: 2322926.5/34

All: 189.830+/-0.021 χ^2/NDF: 5947896.2/70

- sign 177.825+/-0.028 χ^2/NDF: 3217861.7/35

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.550+/-4.348 χ^2/NDF:5.8/18

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

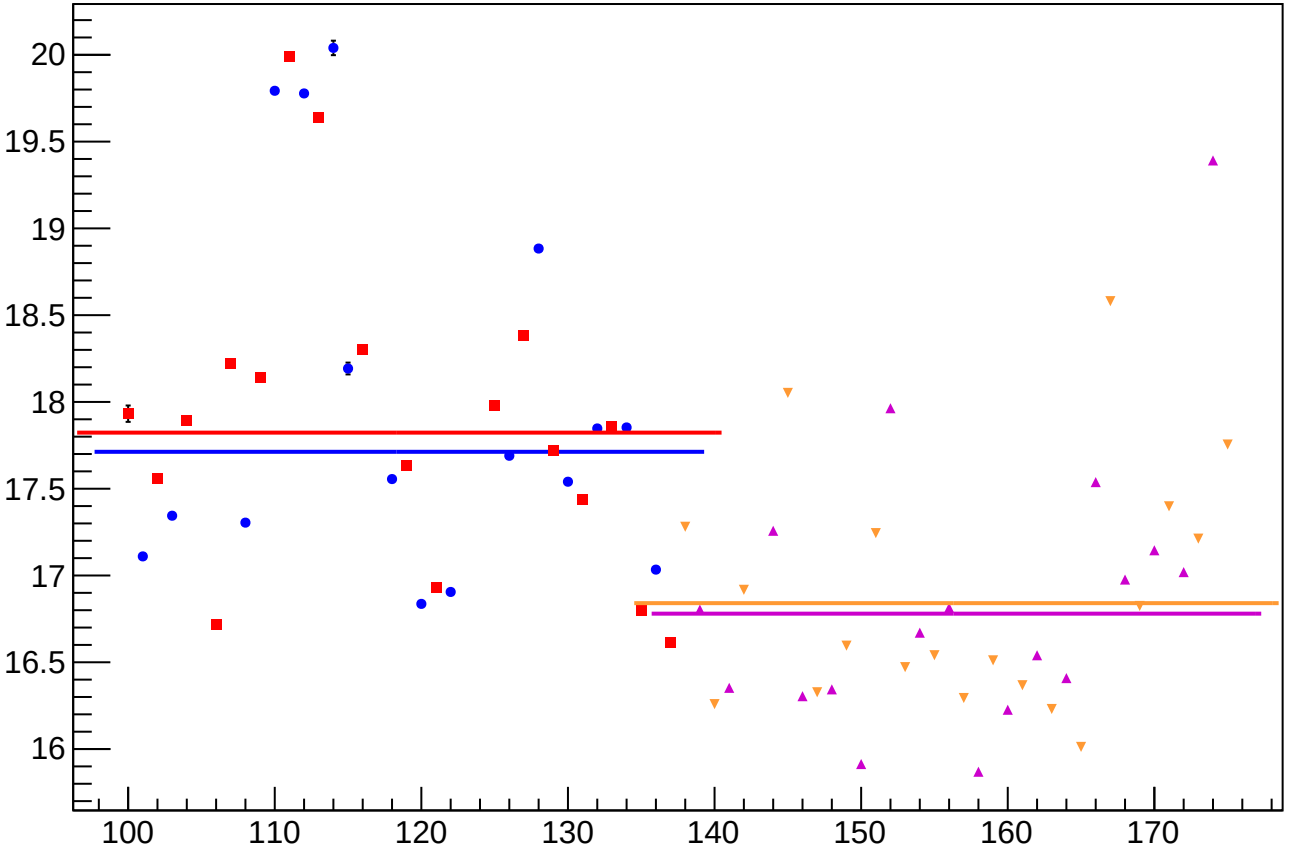
Left In: -4.919+/-4.361 χ^2/NDF:18.4/17

+ sign 1.315+/-3.630 χ^2/NDF: 10.8/34

All: -1.992+/-2.569 χ^2/NDF: 49.5/70

- sign -5.309+/-3.635 χ^2/NDF: 37.1/35

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.841+/-0.003 χ^2/NDF:45354.5/18

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

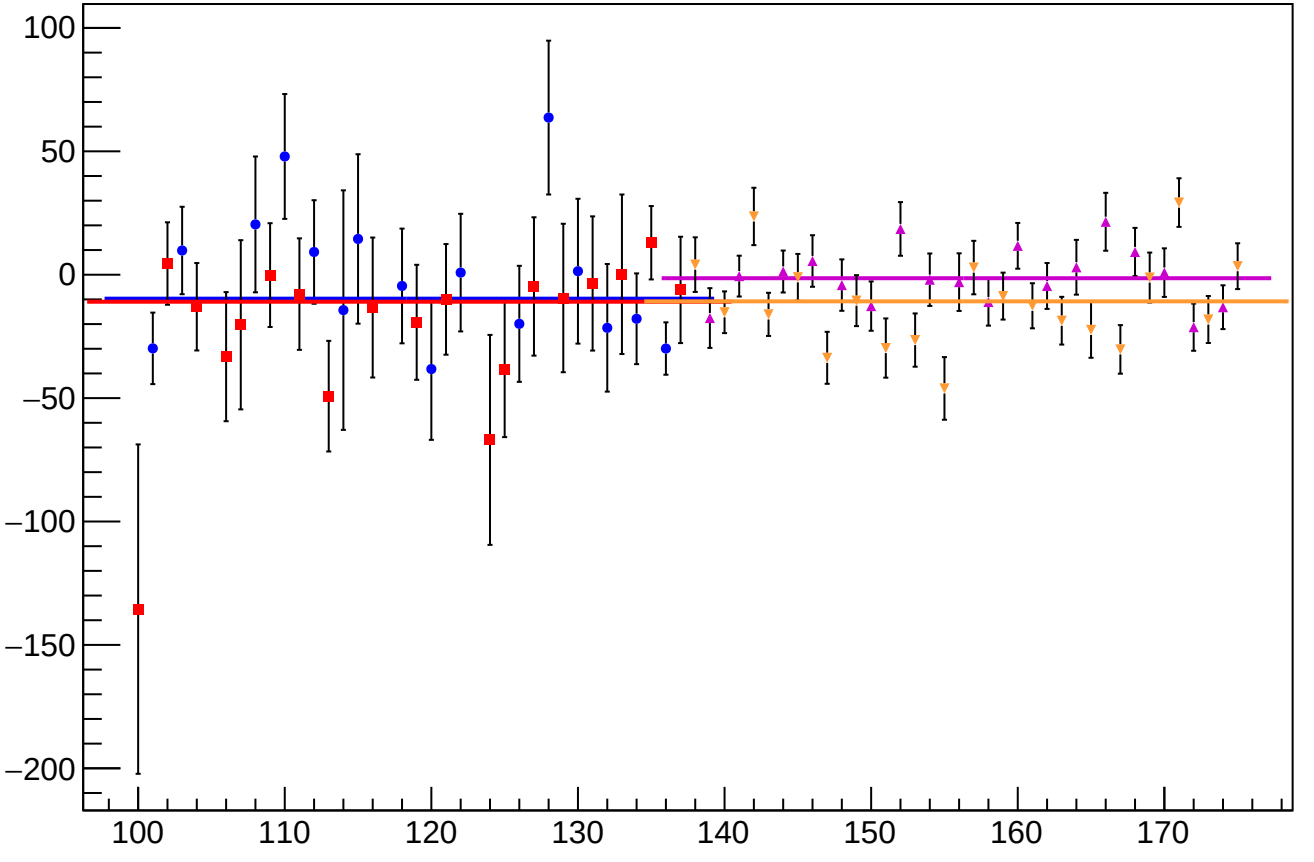
Left In: 16.780+/-0.003 χ^2/NDF:60780.3/17

+ sign 17.105+/-0.003 χ^2/NDF: 105721.5/34

All: 17.102+/-0.002 χ^2/NDF: 233925.0/70

- sign 17.098+/-0.003 χ^2/NDF: 128200.3/35

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -10.789+/-2.252 χ^2/NDF:57.0/19

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

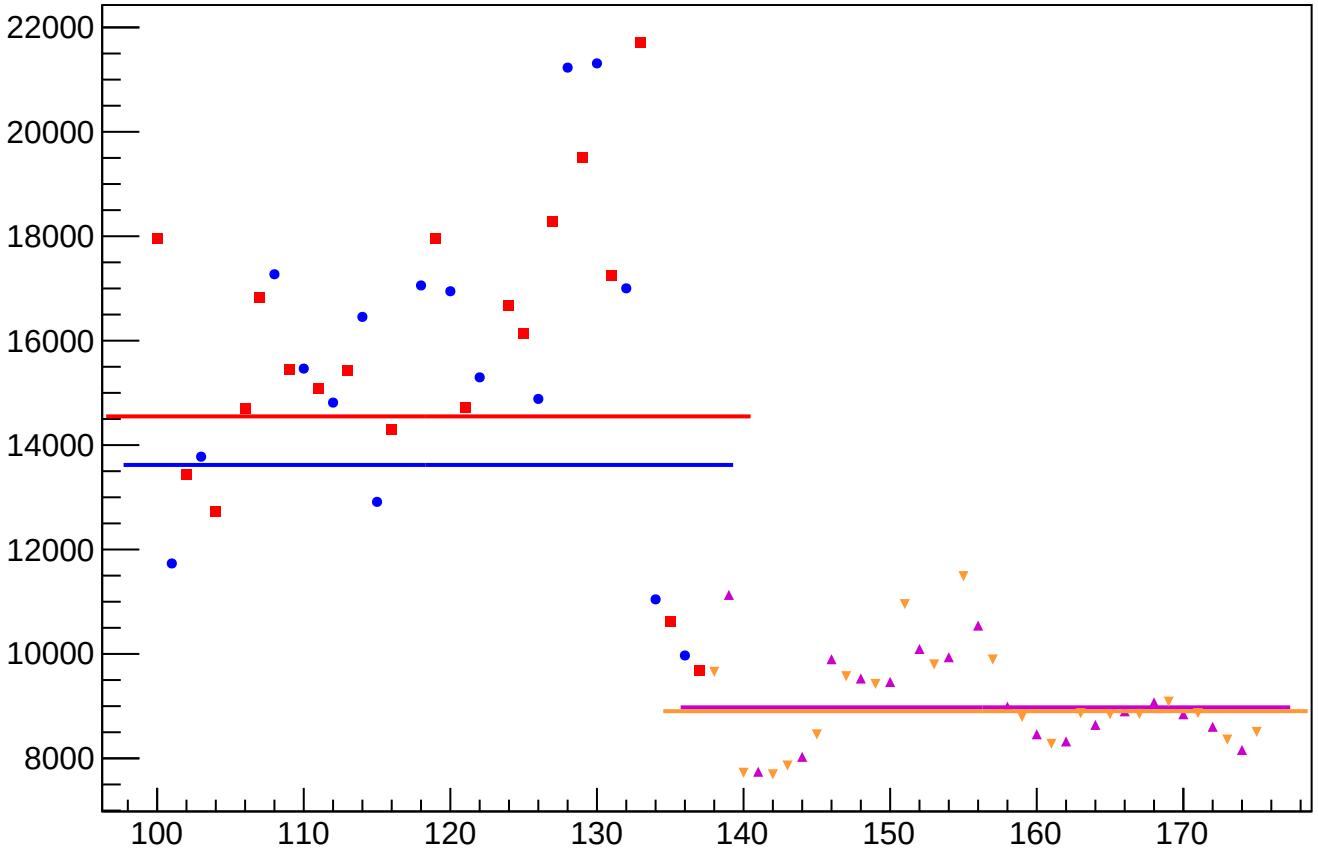
Left In: -1.417+/-2.342 χ^2/NDF:21.5/17

+ sign -10.619+/-2.069 χ^2/NDF: 79.0/35

All: -6.914+/-1.491 χ^2/NDF: 123.8/72

- sign -2.908+/-2.151 χ^2/NDF: 38.1/36

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8903.863+/-1.593 χ^2/NDF:308409.2/19

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

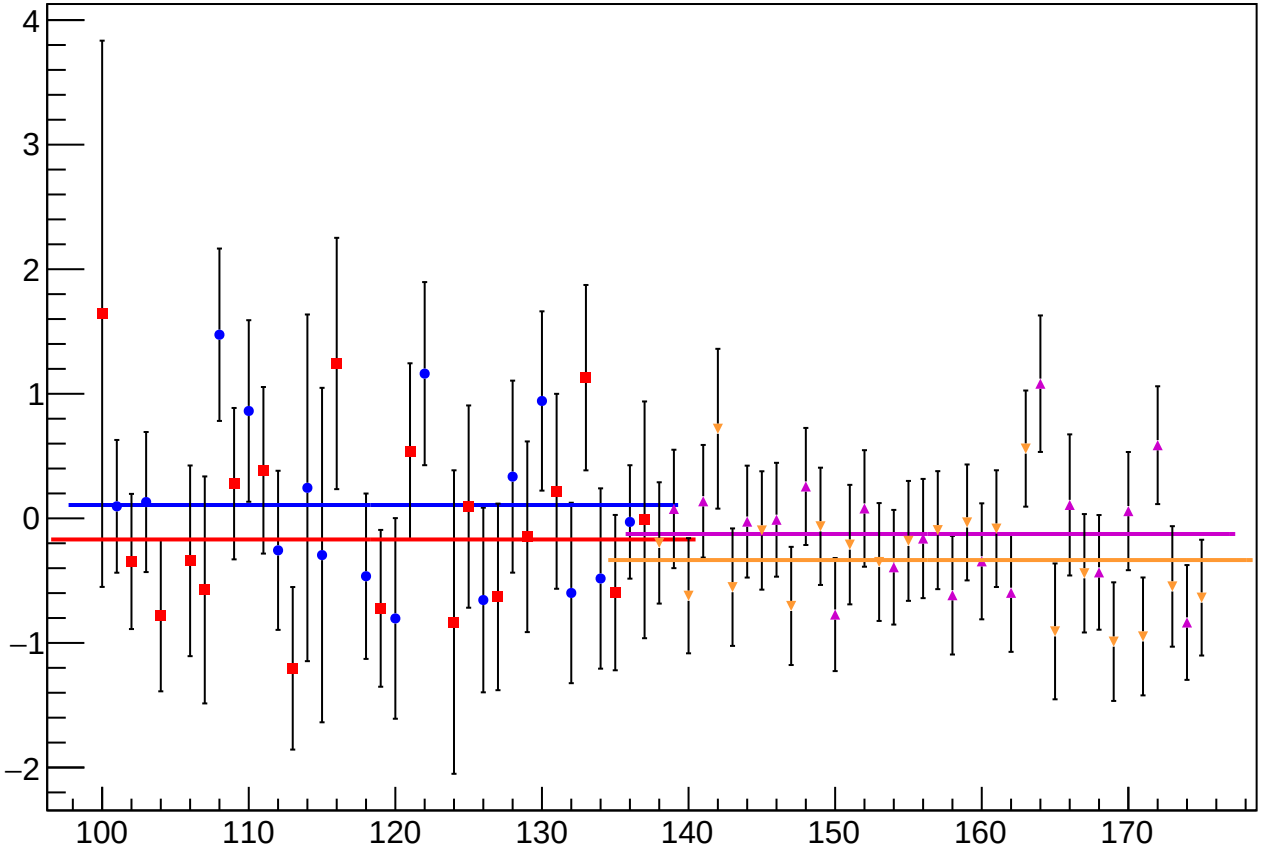
Left In: 8976.908+/-1.656 χ^2/NDF:270535.6/17

+ sign 9641.335+/-1.463 χ^2/NDF: 2426552.4/35

All: 9741.357+/-1.054 χ^2/NDF: 5035363.5/72

- sign 9849.505+/-1.521 χ^2/NDF: 2599080.6/36

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.335+/-0.108 χ^2/NDF:14.7/19

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

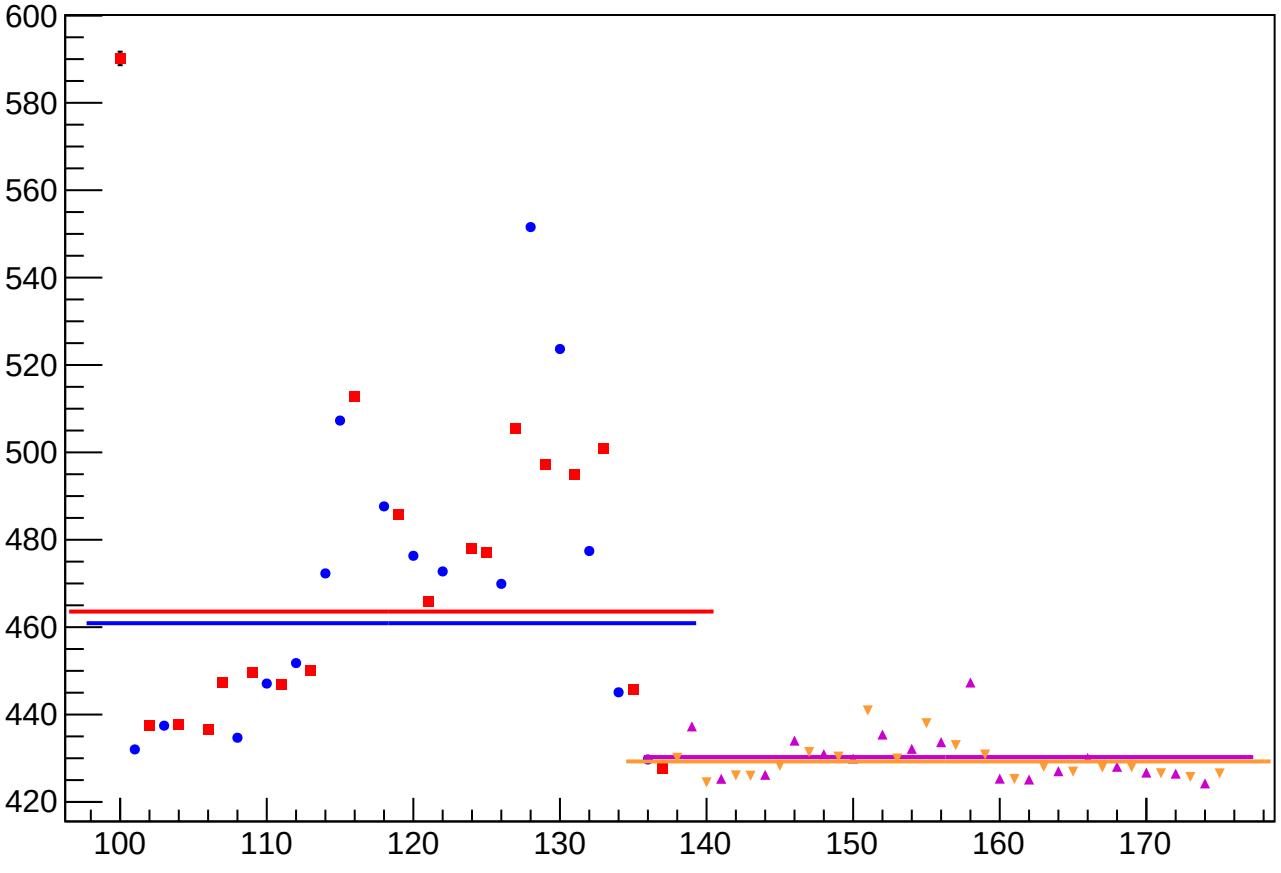
Left In: -0.126+/-0.112 χ^2/NDF:16.4/17

+ sign -0.210+/-0.091 χ^2/NDF: 33.2/35

All: -0.175+/-0.065 χ^2/NDF: 64.0/72

- sign -0.139+/-0.093 χ^2/NDF: 30.5/36

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.269+/-0.076 χ^2/NDF:2895.5/19

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

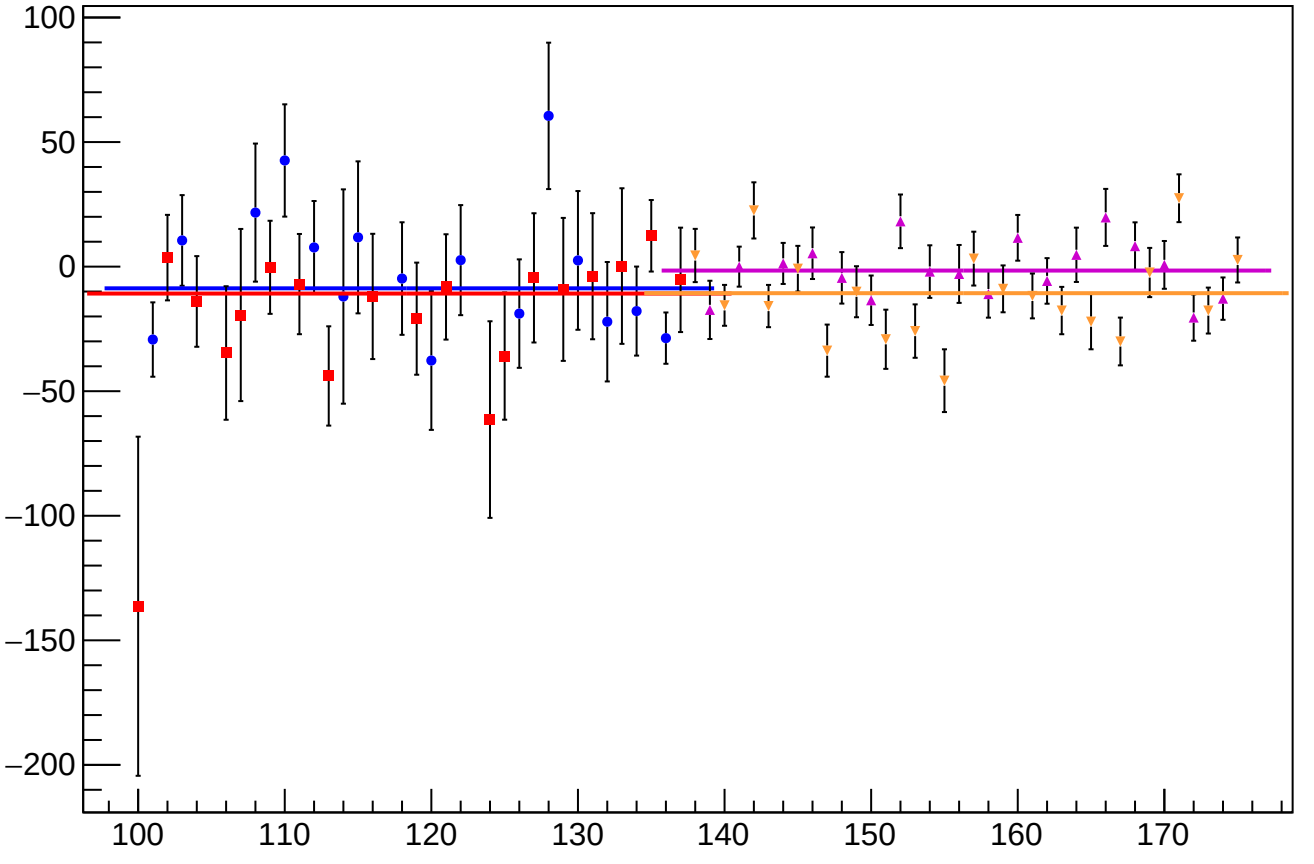
Left In: 430.277+/-0.079 χ^2/NDF:5086.1/17

+ sign 438.207+/-0.065 χ^2/NDF: 126540.7/35

All: 439.253+/-0.046 χ^2/NDF: 238220.4/72

- sign 440.344+/-0.066 χ^2/NDF: 111142.4/36

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -10.656+/-2.206 χ^2/NDF:56.3/19

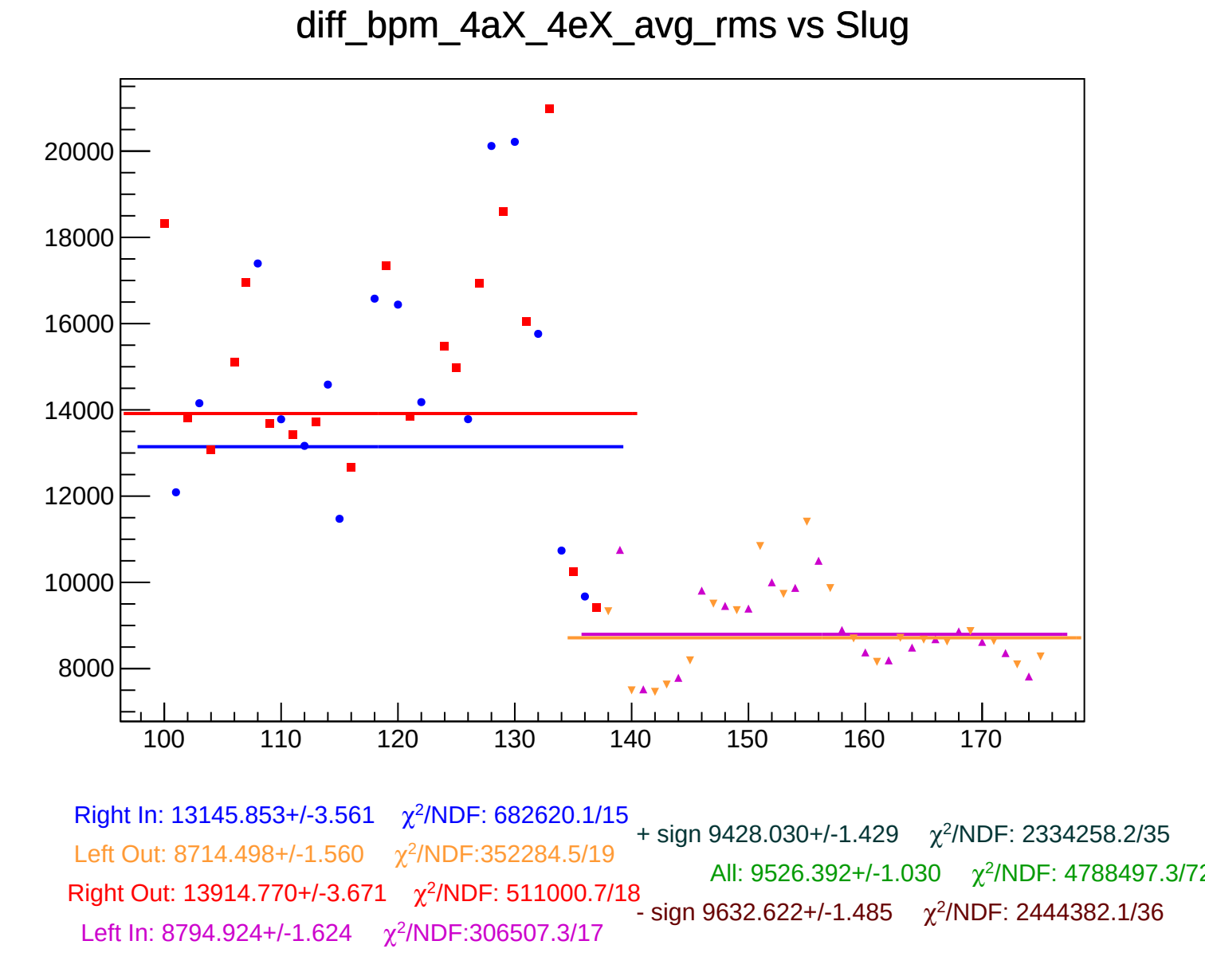
Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -1.577+/-2.296 χ^2/NDF:21.4/17

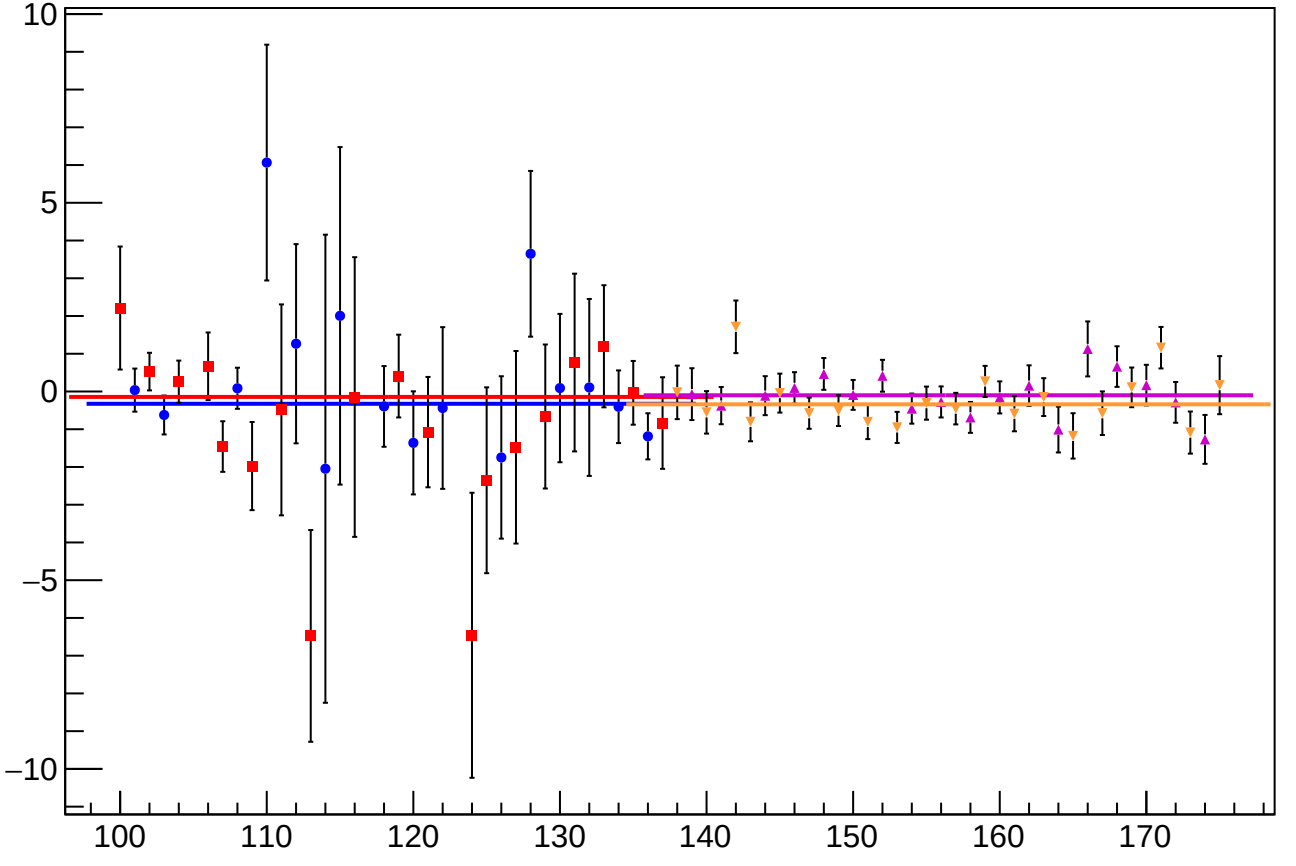
+ sign -10.343+/-2.021 χ^2/NDF: 78.7/35

All: -6.854+/-1.456 χ^2/NDF: 122.8/72

- sign -3.087+/-2.100 χ^2/NDF: 37.9/36


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: 8714.498+/-1.560 χ²/NDF:352284.5/19
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8794.924+/-1.624 χ²/NDF:306507.3/17
+ sign 9428.030+/-1.429 χ²/NDF: 2334258.2/35
All: 9526.392+/-1.030 χ²/NDF: 4788497.3/72
- sign 9632.622+/-1.485 χ²/NDF: 2444382.1/36

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.340+/-0.112 χ^2/NDF:29.1/19

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

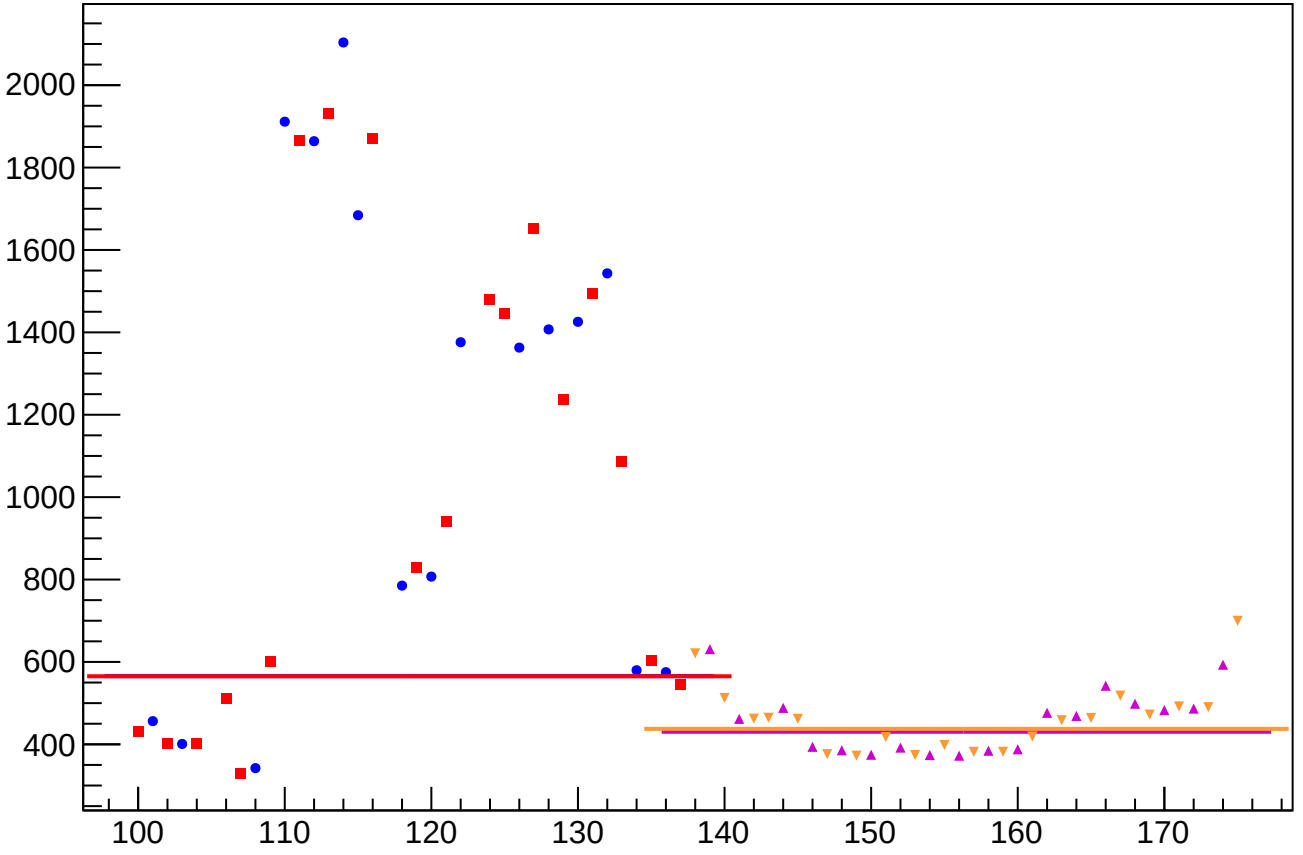
Left In: -0.100+/-0.113 χ^2/NDF:17.8/17

+ sign -0.337+/-0.102 χ^2/NDF: 41.7/35

All: -0.224+/-0.072 χ^2/NDF: 84.5/72

- sign -0.108+/-0.103 χ^2/NDF: 40.3/36

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 437.585+/-0.079 χ^2/NDF:744342.3/19

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

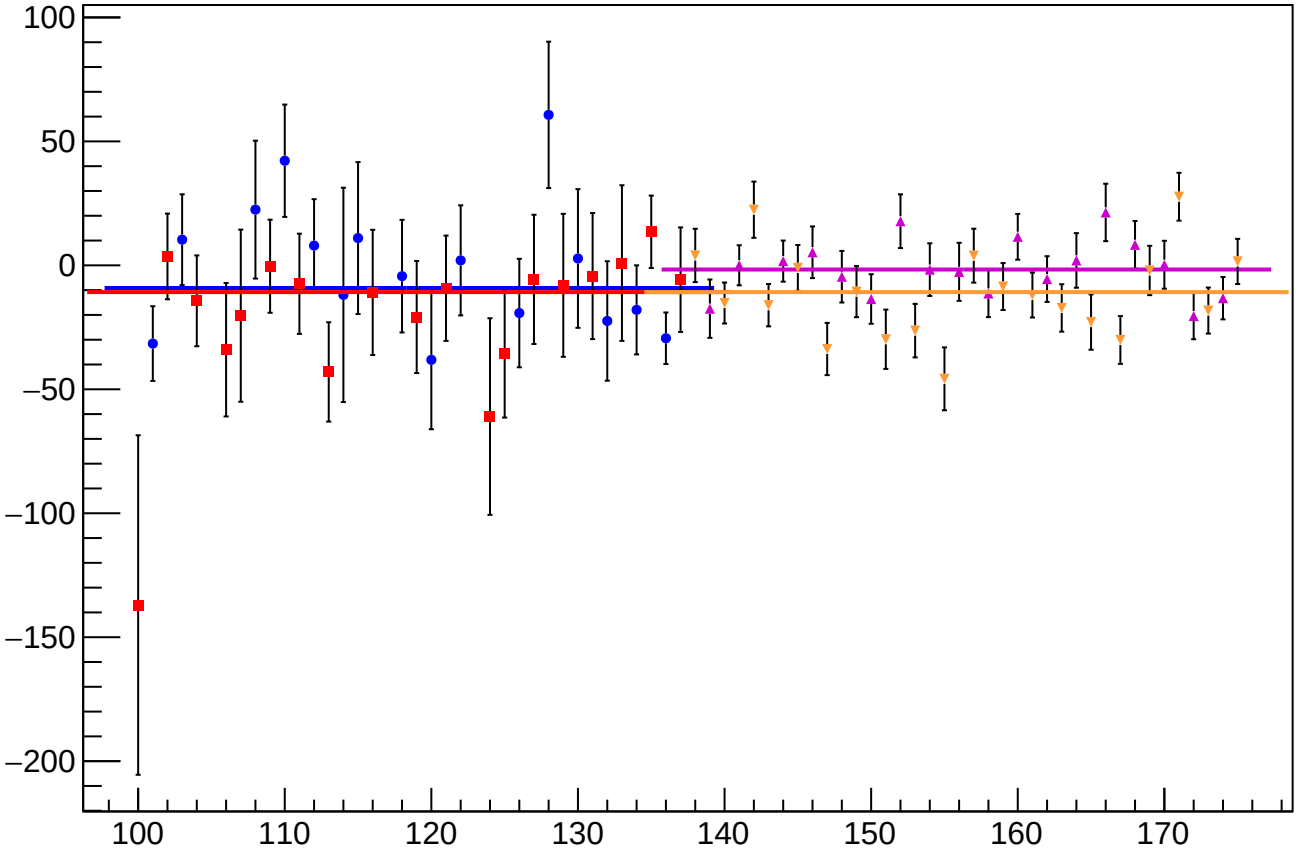
Left In: 430.489+/-0.080 χ^2/NDF:692703.2/17

+ sign 459.702+/-0.072 χ^2/NDF: 4649269.1/35

All: 457.048+/-0.051 χ^2/NDF: 9416792.7/72

- sign 454.326+/-0.073 χ^2/NDF: 4764752.6/36

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -10.800+/-2.221 χ^2/NDF:55.9/19

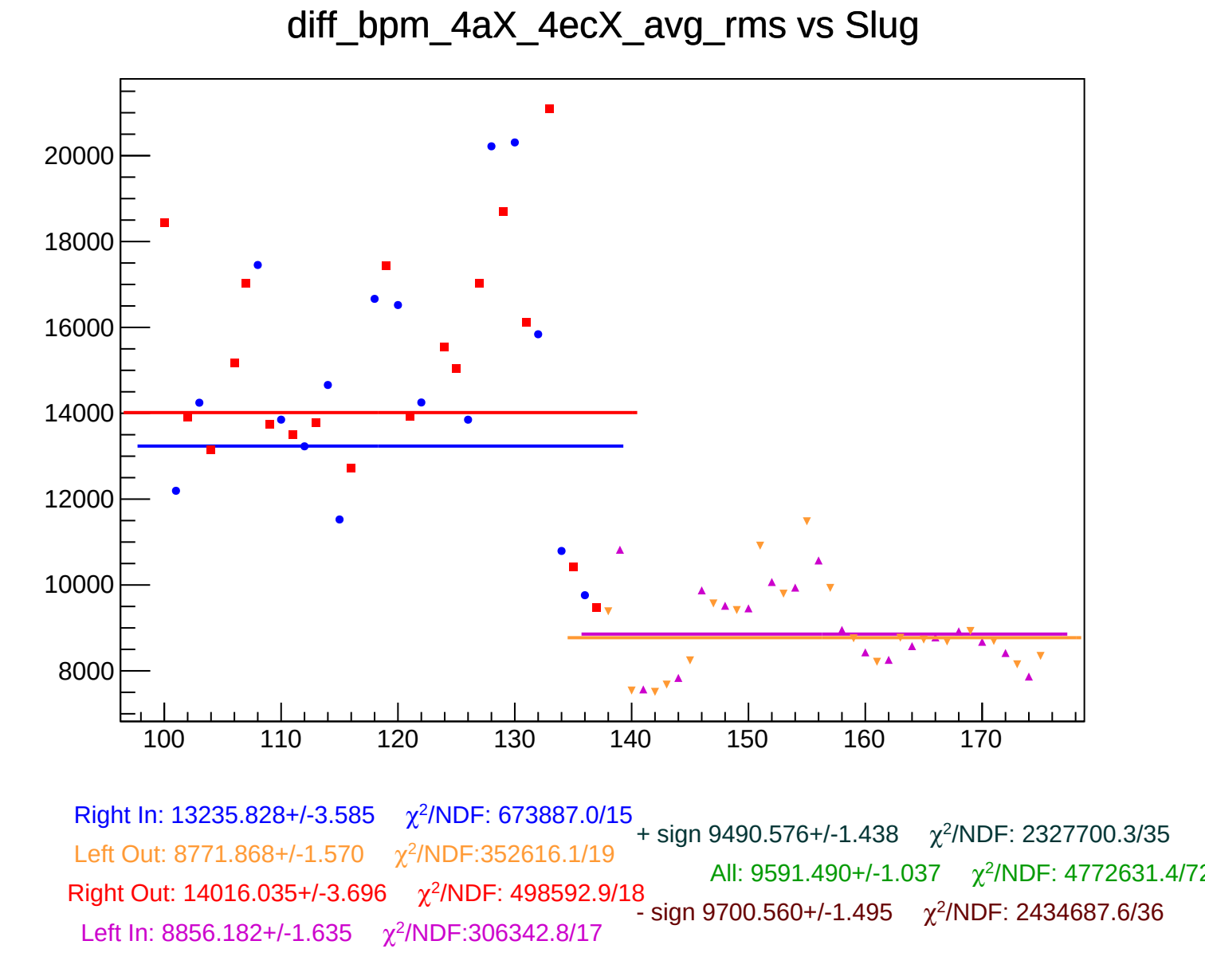
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -1.684+/-2.312 χ^2/NDF:21.5/17

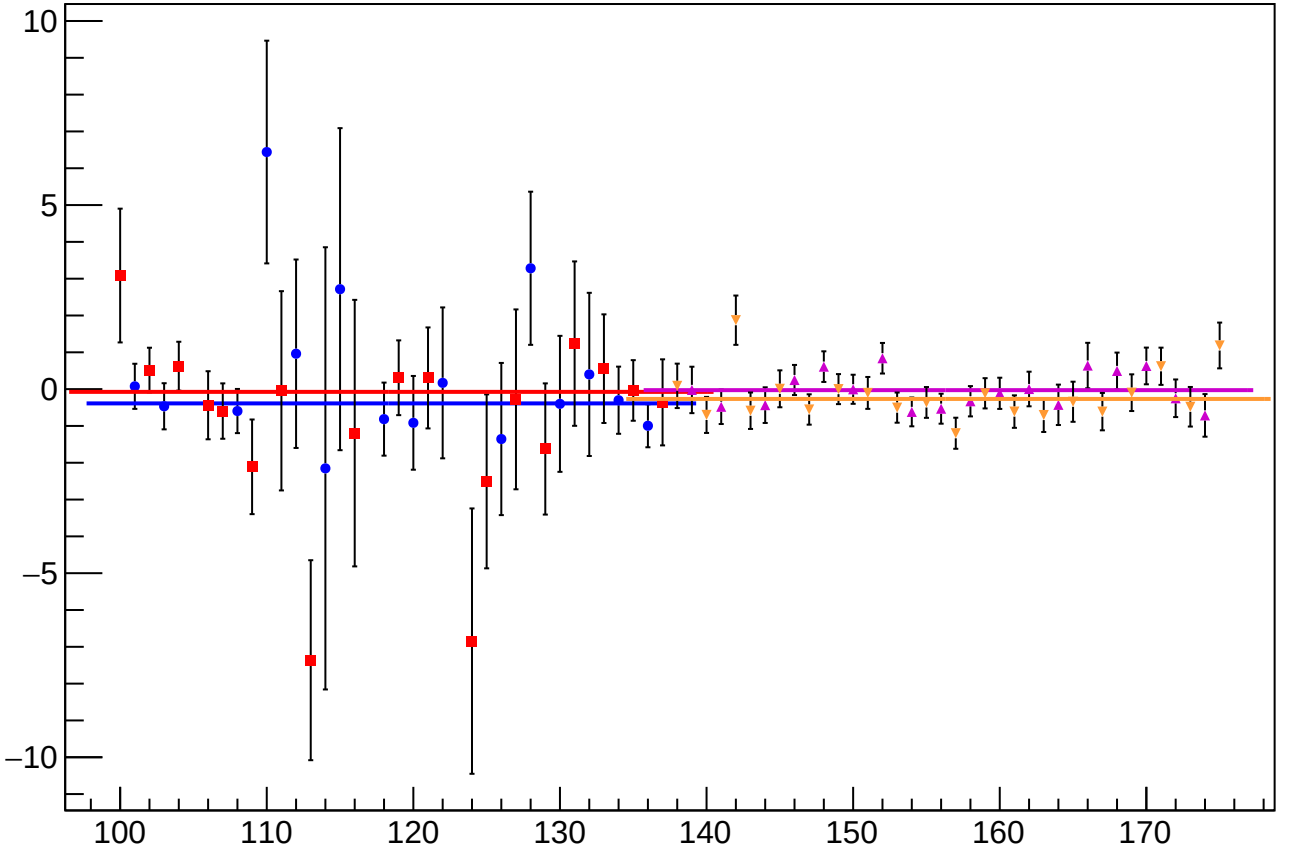
+ sign -10.531+/-2.034 χ^2/NDF: 78.7/35

All: -6.995+/-1.466 χ^2/NDF: 122.7/72

- sign -3.174+/-2.115 χ^2/NDF: 37.7/36


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: 8771.868+/-1.570 χ²/NDF:352616.1/19
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8856.182+/-1.635 χ²/NDF:306342.8/17
+ sign 9490.576+/-1.438 χ²/NDF: 2327700.3/35
All: 9591.490+/-1.037 χ²/NDF: 4772631.4/72
- sign 9700.560+/-1.495 χ²/NDF: 2434687.6/36

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.267+/-0.106 χ^2/NDF:29.3/19

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

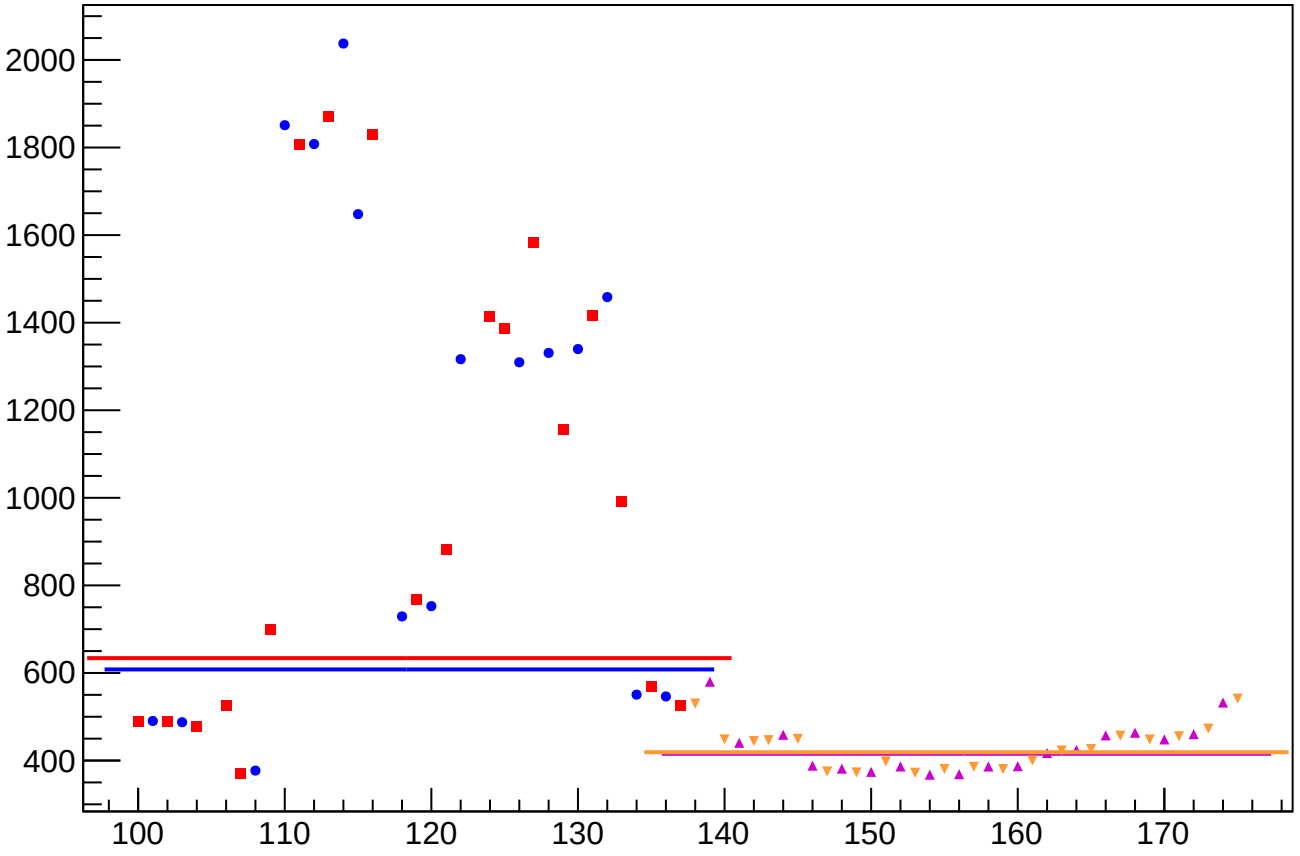
Left In: -0.028+/-0.109 χ^2/NDF:19.3/17

+ sign -0.284+/-0.098 χ^2/NDF: 41.2/35

All: -0.163+/-0.070 χ^2/NDF: 85.3/72

- sign -0.034+/-0.101 χ^2/NDF: 41.0/36

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 419.088+/-0.075 χ^2/NDF:347673.9/19

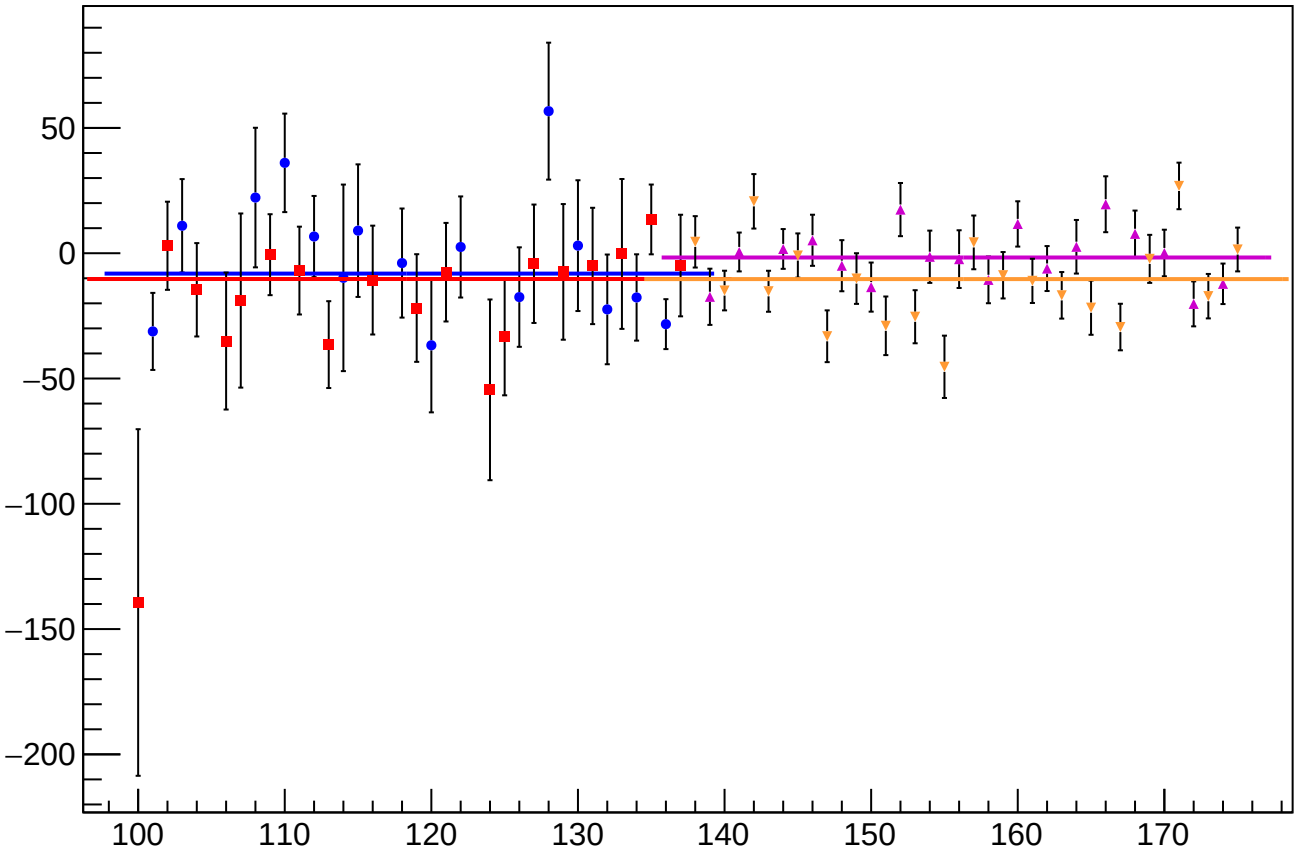
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 415.414+/-0.077 χ^2/NDF:420777.9/17

+ sign 446.877+/-0.069 χ^2/NDF: 4132135.5/35

All: 446.927+/-0.050 χ^2/NDF: 8508482.7/72

- sign 446.980+/-0.071 χ^2/NDF: 4376346.1/36



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -10.325+/-2.148 χ^2/NDF:56.3/19

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

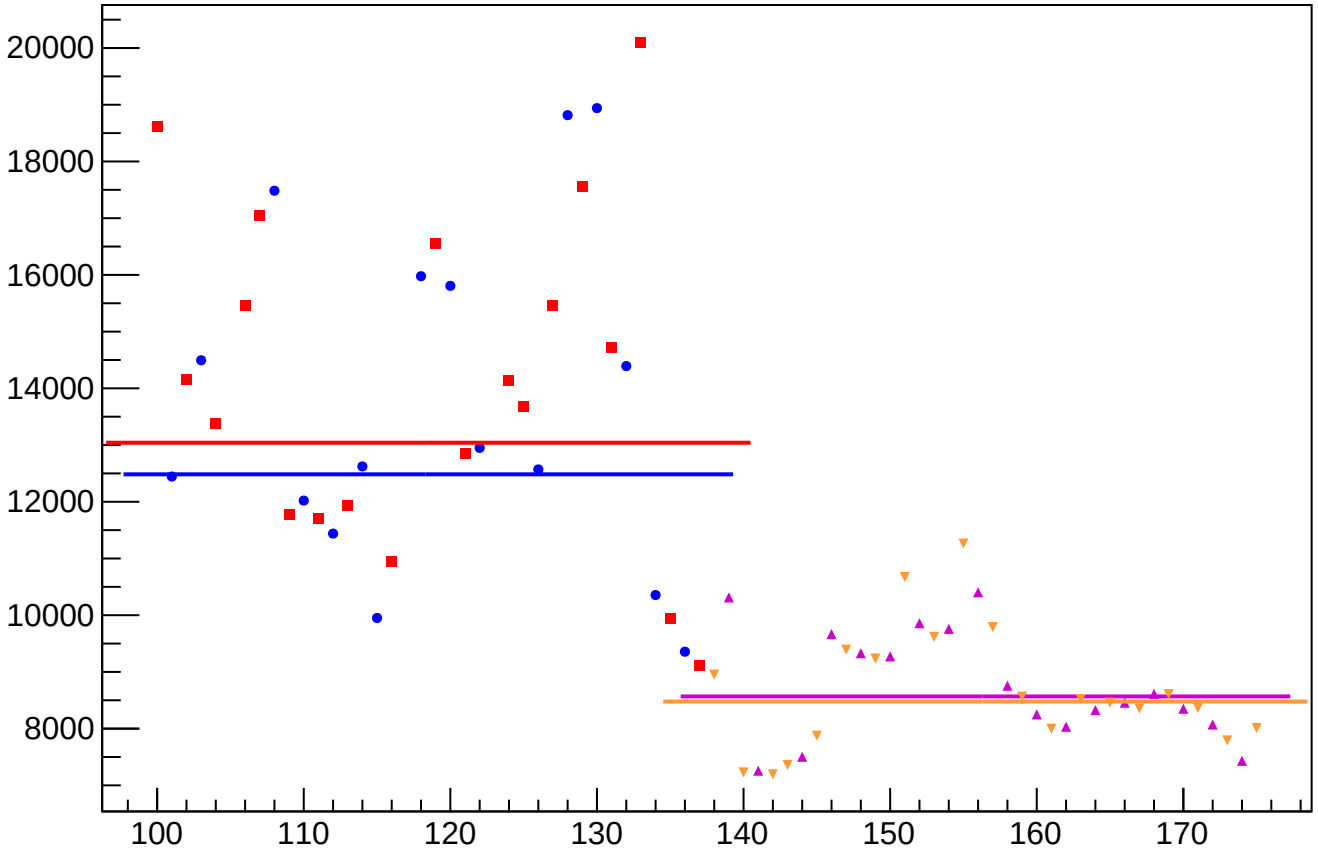
Left In: -1.704+/-2.239 χ^2/NDF:21.6/17

+ sign -9.957+/-1.959 χ^2/NDF: 79.6/35

All: -6.705+/-1.411 χ^2/NDF: 123.2/72

- sign -3.200+/-2.034 χ^2/NDF: 37.9/36

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8477.140+/-1.519 χ^2/NDF:404305.8/19

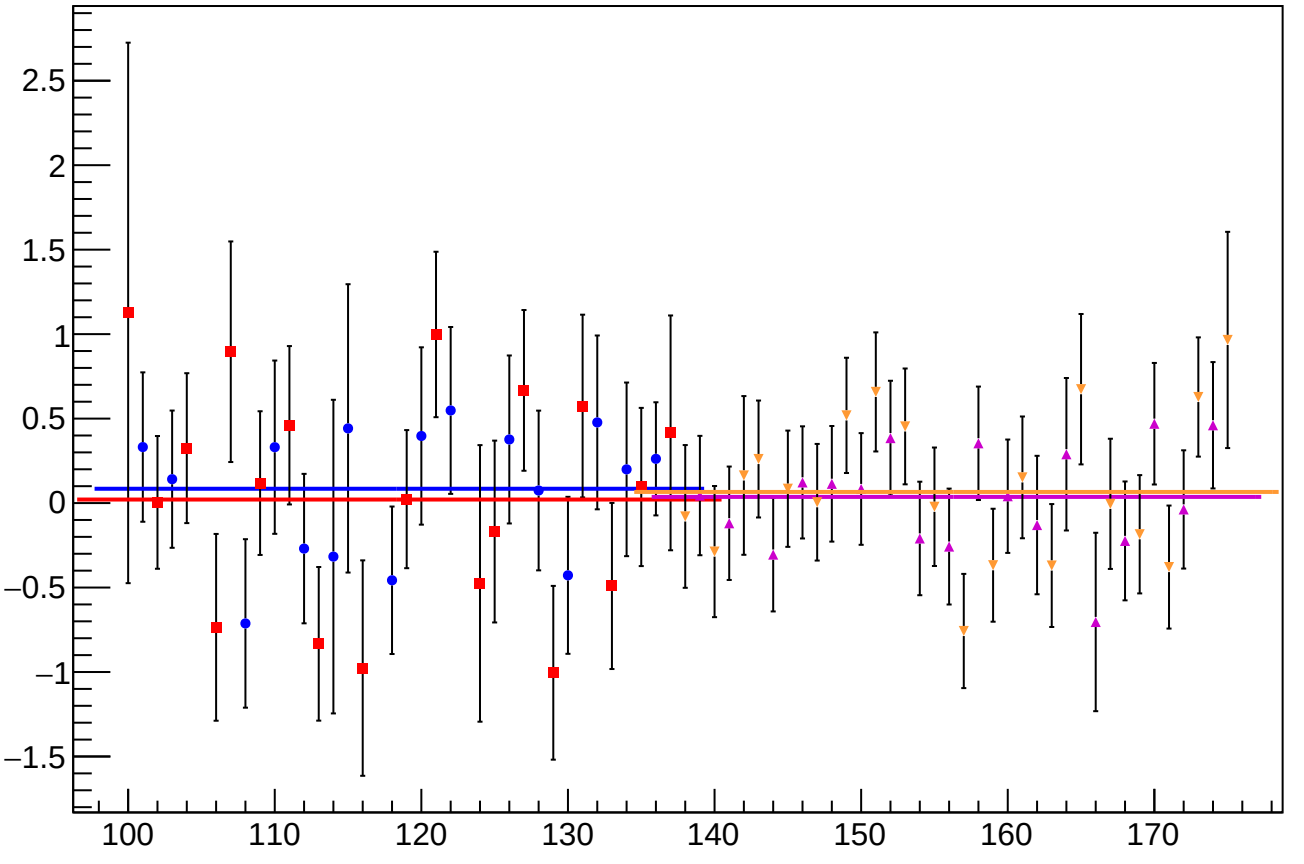
Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8567.628+/-1.583 χ^2/NDF:351041.1/17

+ sign 9150.501+/-1.385 χ^2/NDF: 2245456.0/35

All: 9245.108+/-0.998 χ^2/NDF: 4542351.7/72

- sign 9347.106+/-1.438 χ^2/NDF: 2287203.9/36



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.066+/-0.083 χ^2/NDF:24.8/19

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

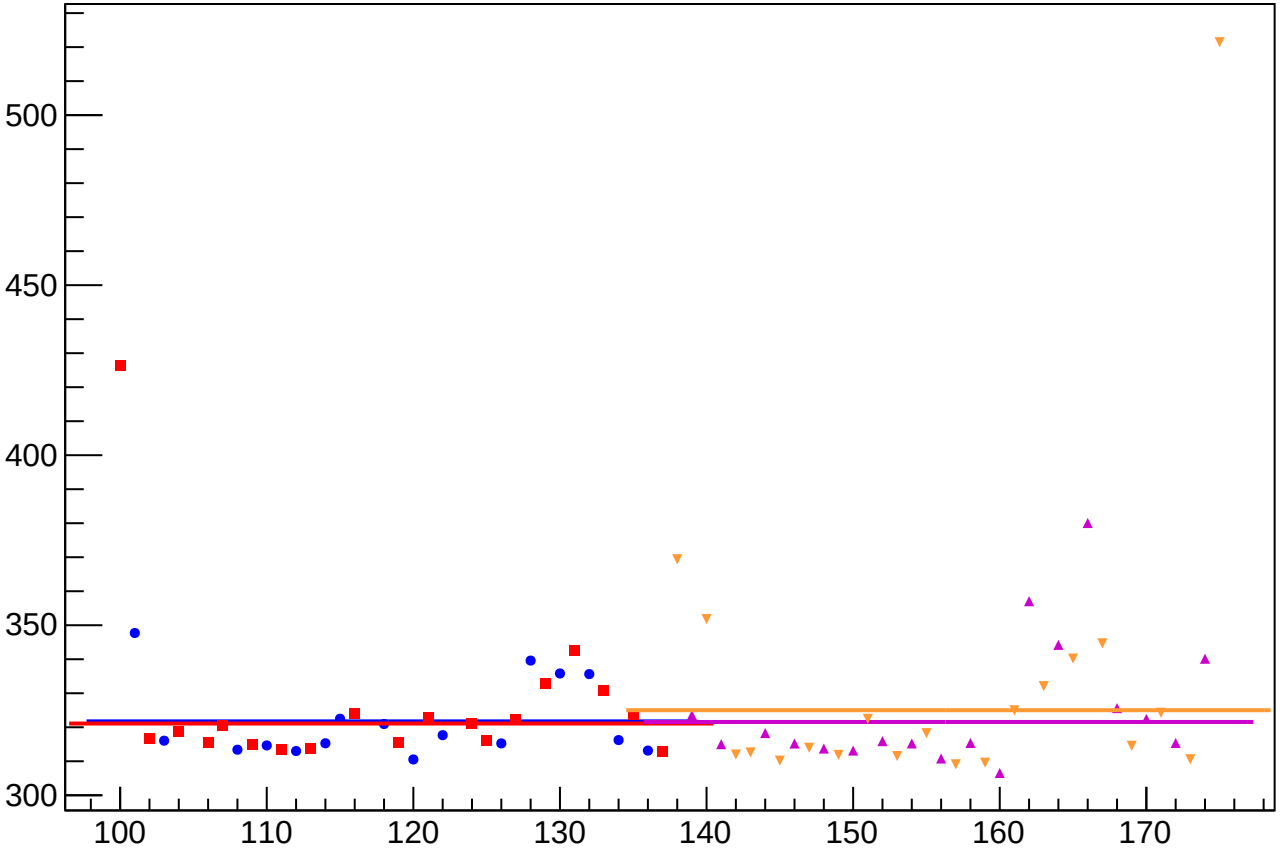
Left In: 0.037+/-0.084 χ^2/NDF:10.4/17

+ sign 0.072+/-0.068 χ^2/NDF: 34.2/35

All: 0.052+/-0.048 χ^2/NDF: 69.0/72

- sign 0.031+/-0.068 χ^2/NDF: 34.7/36

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 325.014+/-0.058 χ^2/NDF:258927.1/19

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

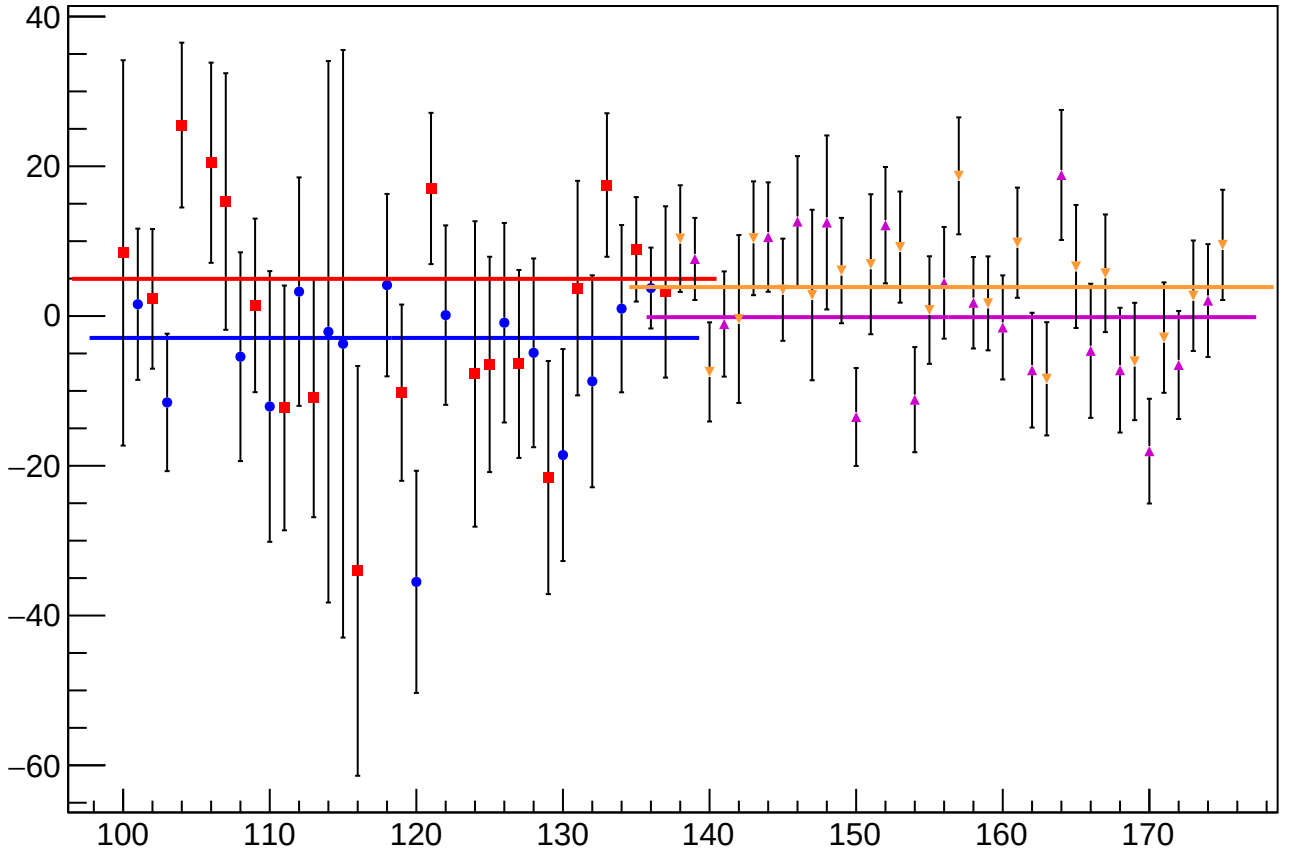
Left In: 321.552+/-0.059 χ^2/NDF:62439.7/17

+ sign 323.957+/-0.048 χ^2/NDF: 278156.9/35

All: 322.680+/-0.034 χ^2/NDF: 358604.9/72

- sign 321.396+/-0.048 χ^2/NDF: 79039.2/36

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.868+/-1.699 χ^2/NDF:15.8/19

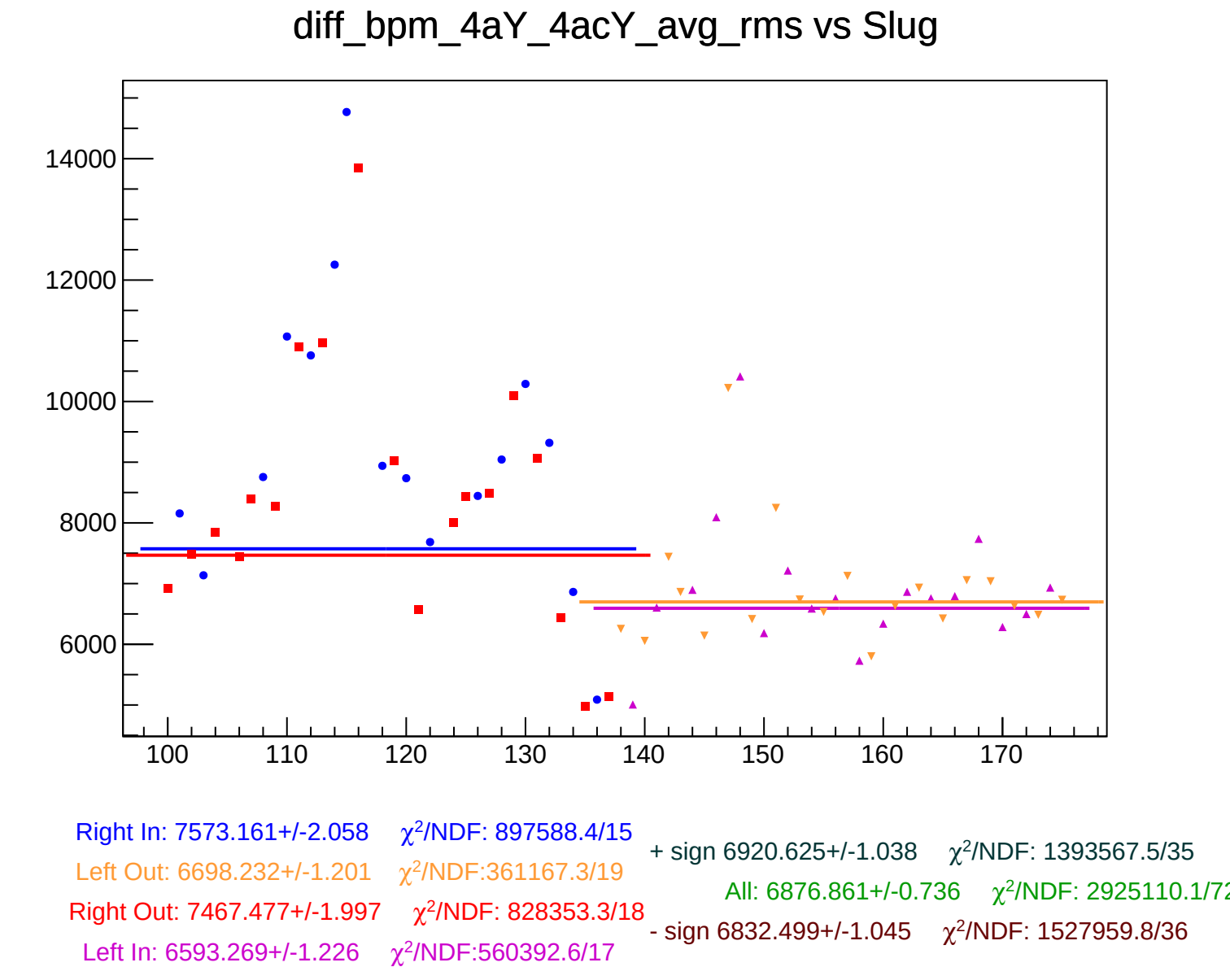
Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -0.150+/-1.733 χ^2/NDF:31.1/17

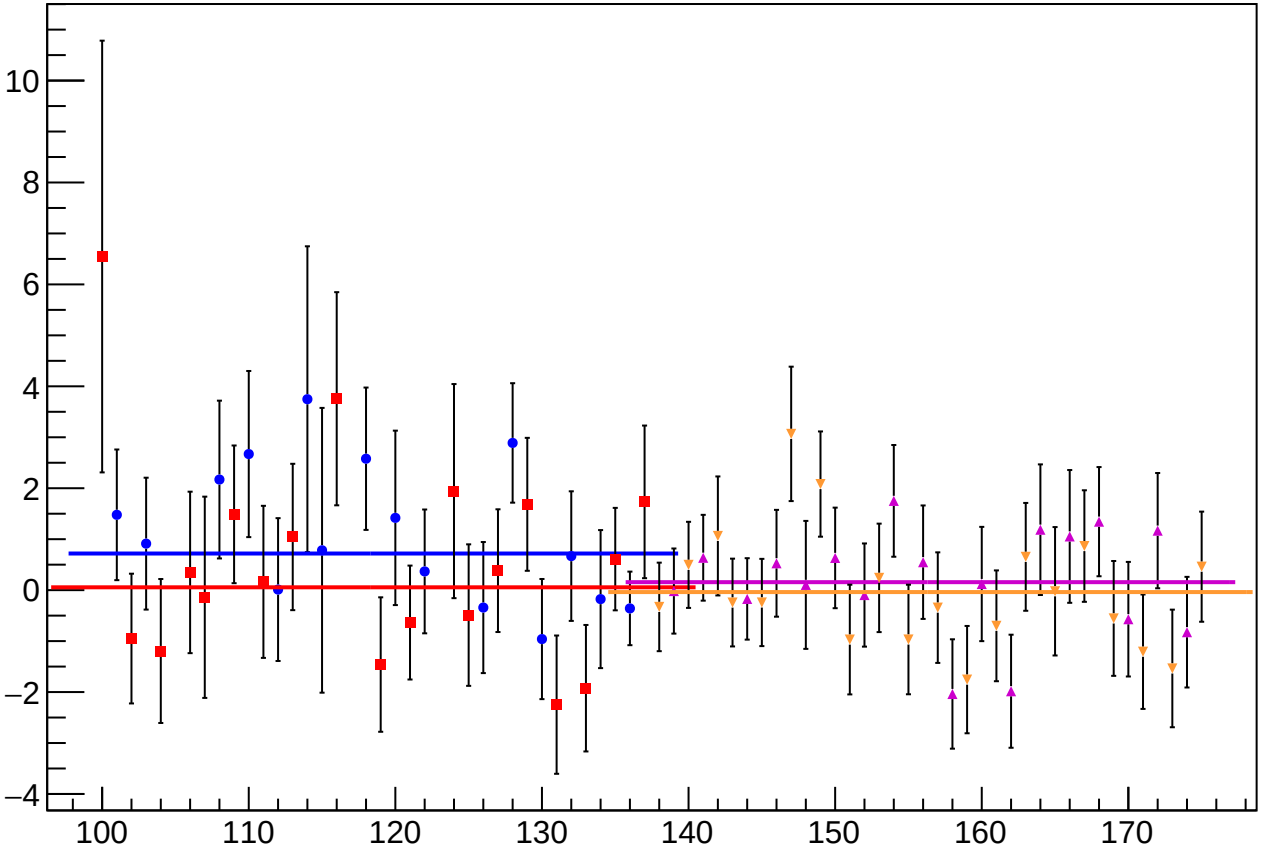
+ sign 2.142+/-1.467 χ^2/NDF: 29.7/35

All: 1.699+/-1.041 χ^2/NDF: 82.8/72

- sign 1.250+/-1.477 χ^2/NDF: 52.9/36


diff_bpm_4aY_4acY_avg_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6698.232+/-1.201 χ²/NDF:361167.3/19
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6593.269+/-1.226 χ²/NDF:560392.6/17
+ sign 6920.625+/-1.038 χ²/NDF: 1393567.5/35
All: 6876.861+/-0.736 χ²/NDF: 2925110.1/72
- sign 6832.499+/-1.045 χ²/NDF: 1527959.8/36

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.038+/-0.233 χ^2/NDF:20.3/19

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

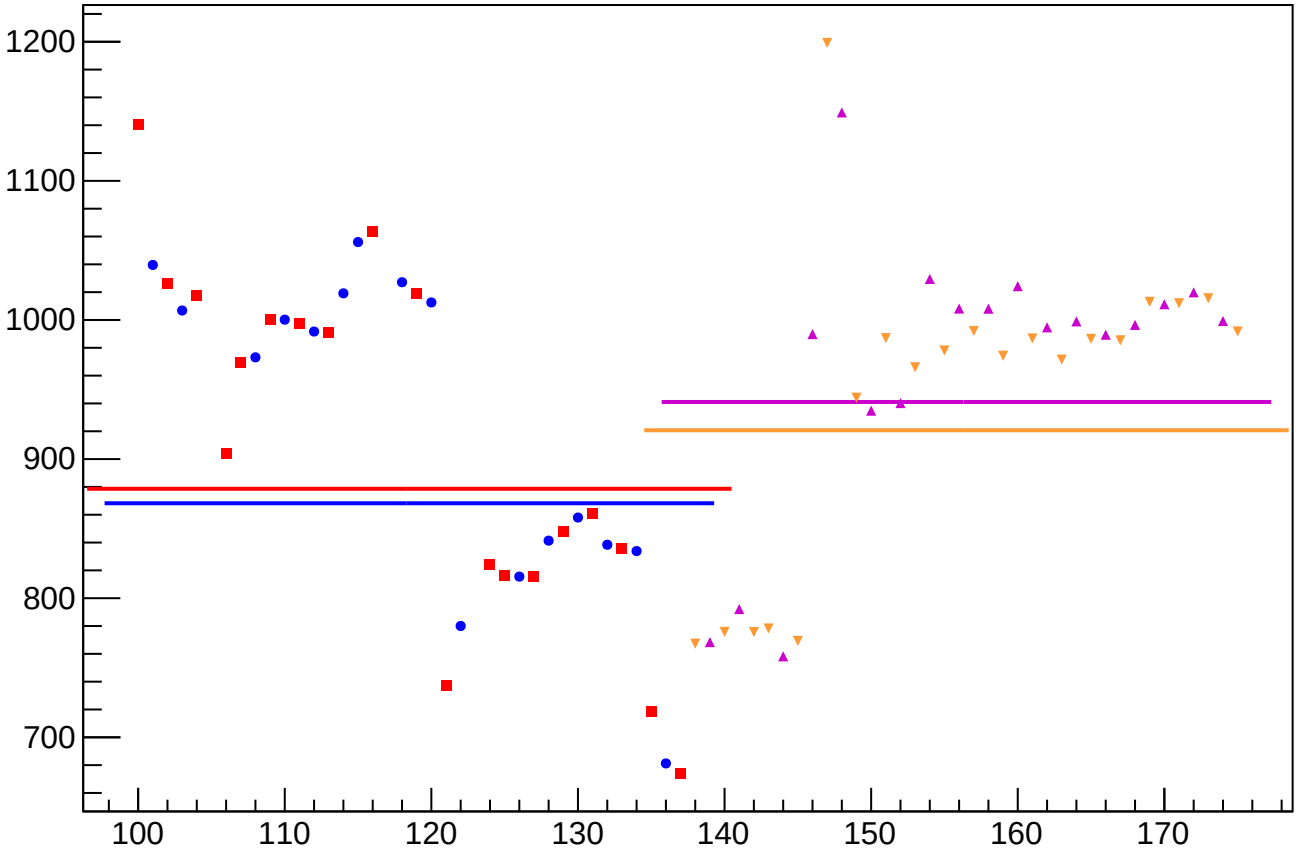
Left In: 0.157+/-0.246 χ^2/NDF:15.5/17

+ sign 0.218+/-0.189 χ^2/NDF: 38.6/35

All: 0.170+/-0.136 χ^2/NDF: 74.1/72

- sign 0.120+/-0.196 χ^2/NDF: 35.4/36

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 920.721+/-0.165 χ^2/NDF:463464.3/19

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

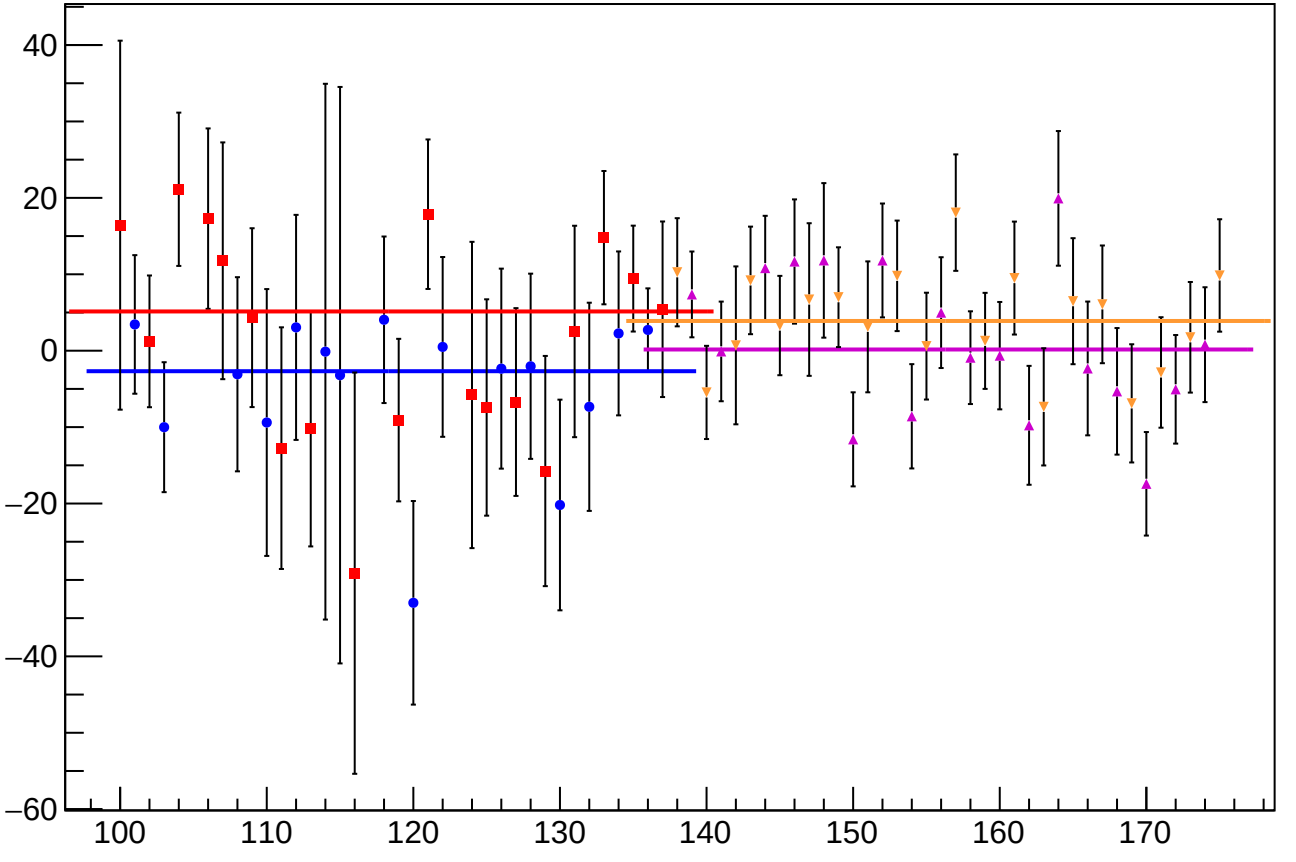
Left In: 941.056+/-0.174 χ^2/NDF:391306.6/17

+ sign 902.987+/-0.134 χ^2/NDF: 800187.7/35

All: 910.357+/-0.096 χ^2/NDF: 1517487.8/72

- sign 918.215+/-0.138 χ^2/NDF: 711048.6/36

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.890+/-1.645 χ^2/NDF:15.1/19

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

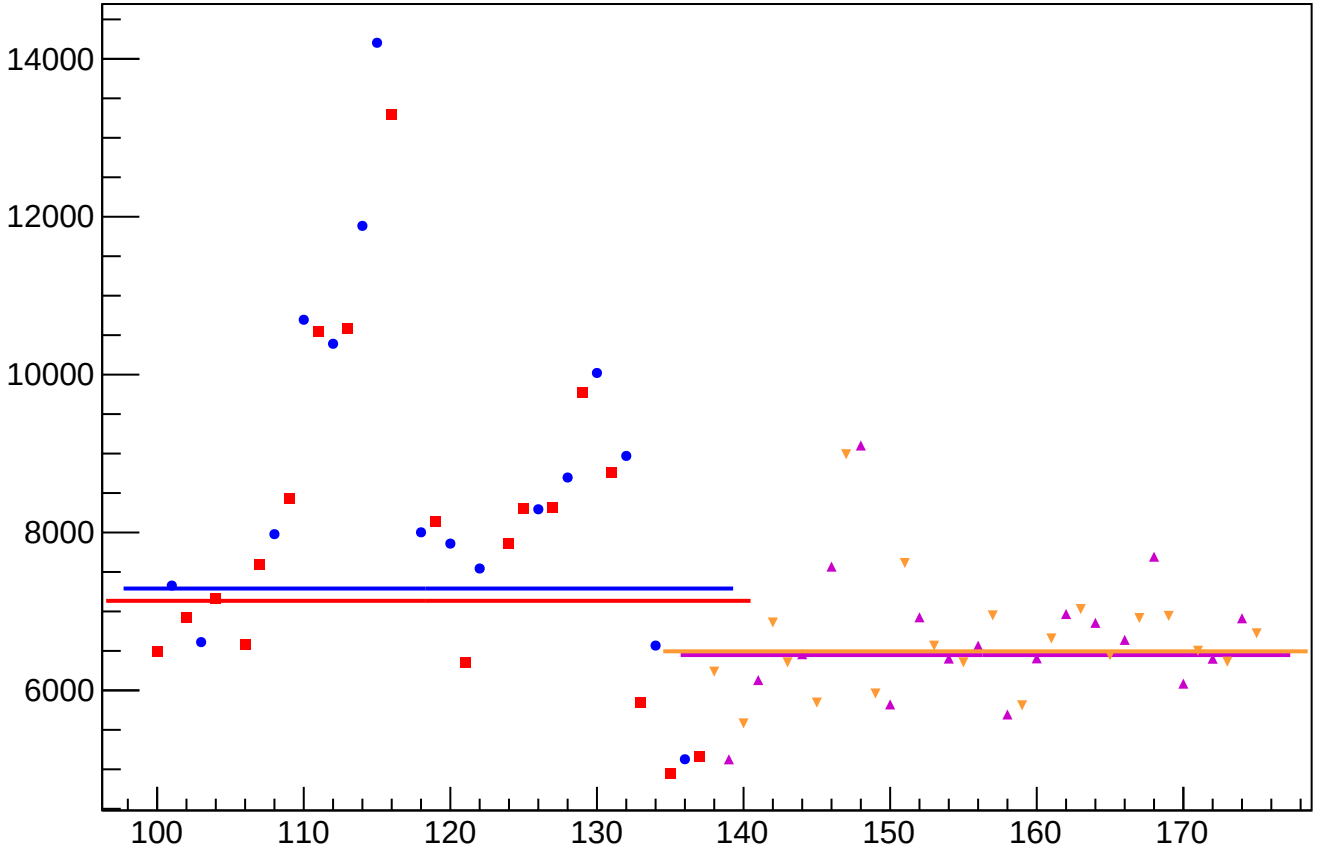
Left In: 0.158+/-1.690 χ^2/NDF:30.1/17

+ sign 2.193+/-1.417 χ^2/NDF: 29.3/35

All: 1.882+/-1.007 χ^2/NDF: 79.2/72

- sign 1.565+/-1.431 χ^2/NDF: 49.8/36

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6494.874+/-1.163 χ^2/NDF:301193.3/19

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

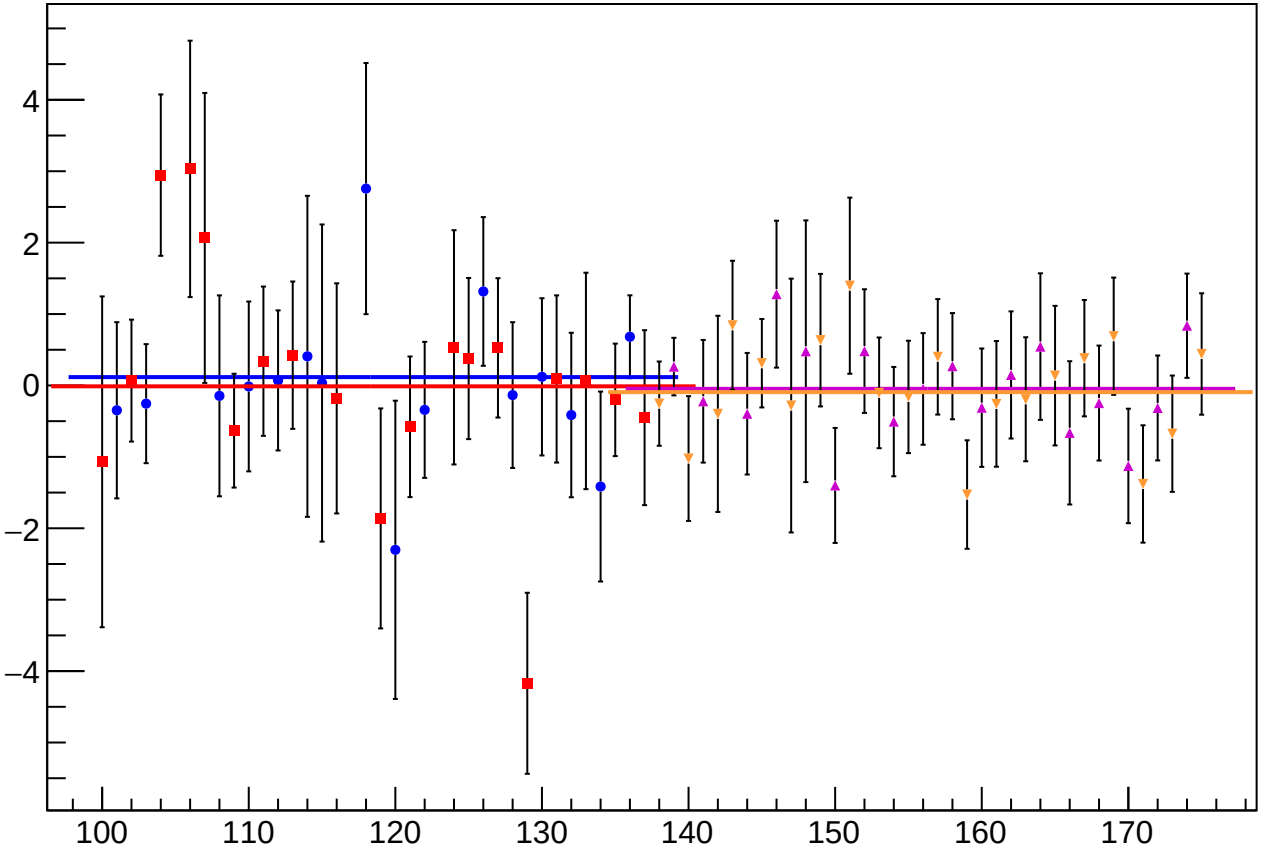
Left In: 6447.407+/-1.195 χ^2/NDF:424572.0/17

+ sign 6700.214+/-1.002 χ^2/NDF: 1192446.3/35

All: 6671.213+/-0.712 χ^2/NDF: 2504940.4/72

- sign 6641.613+/-1.012 χ^2/NDF: 1310800.5/36

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.093+/-0.188 χ^2/NDF:13.5/19

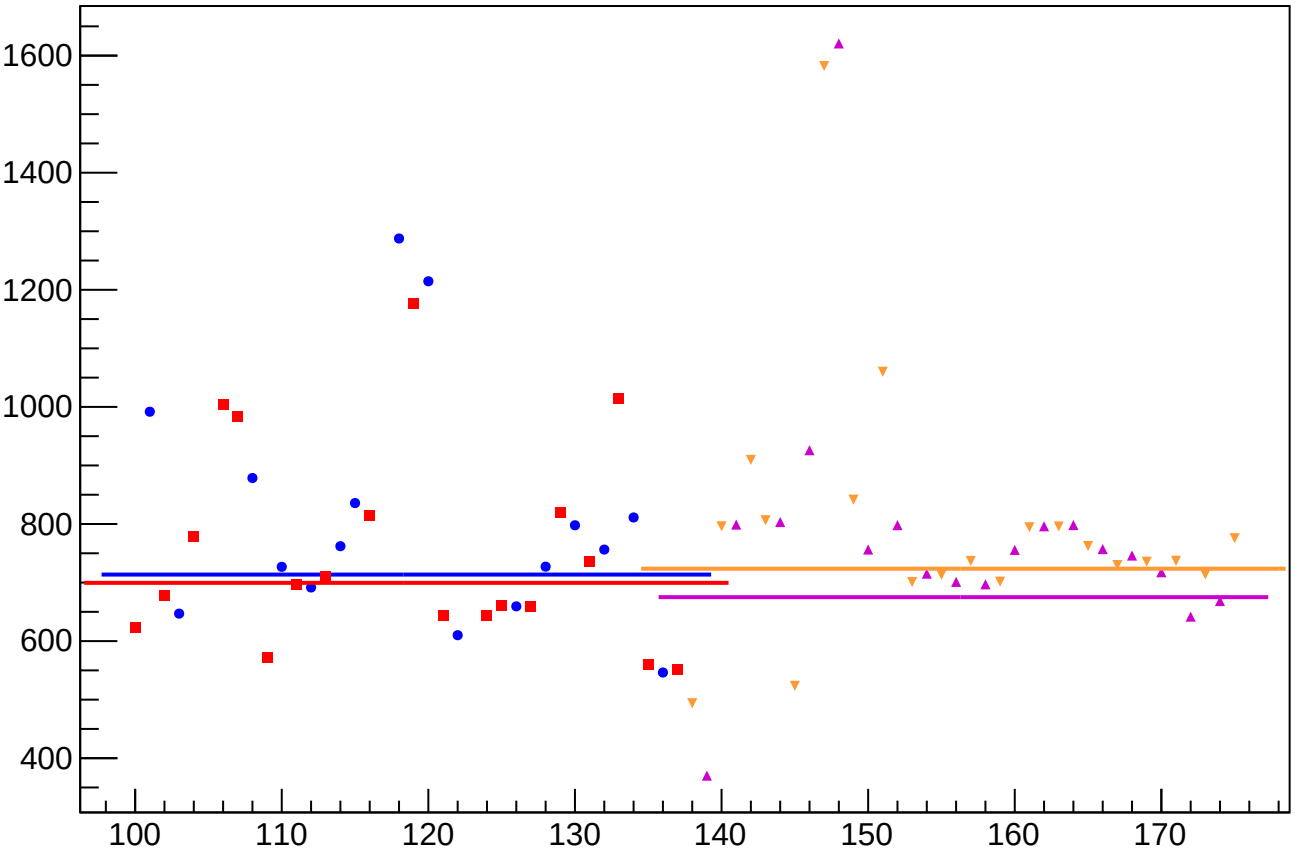
Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: -0.047+/-0.184 χ^2/NDF:10.6/17

+ sign -0.026+/-0.155 χ^2/NDF: 22.0/35

All: -0.031+/-0.108 χ^2/NDF: 57.8/72

- sign -0.036+/-0.151 χ^2/NDF: 35.8/36



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 723.678+/-0.133 χ^2/NDF:1270566.7/19

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

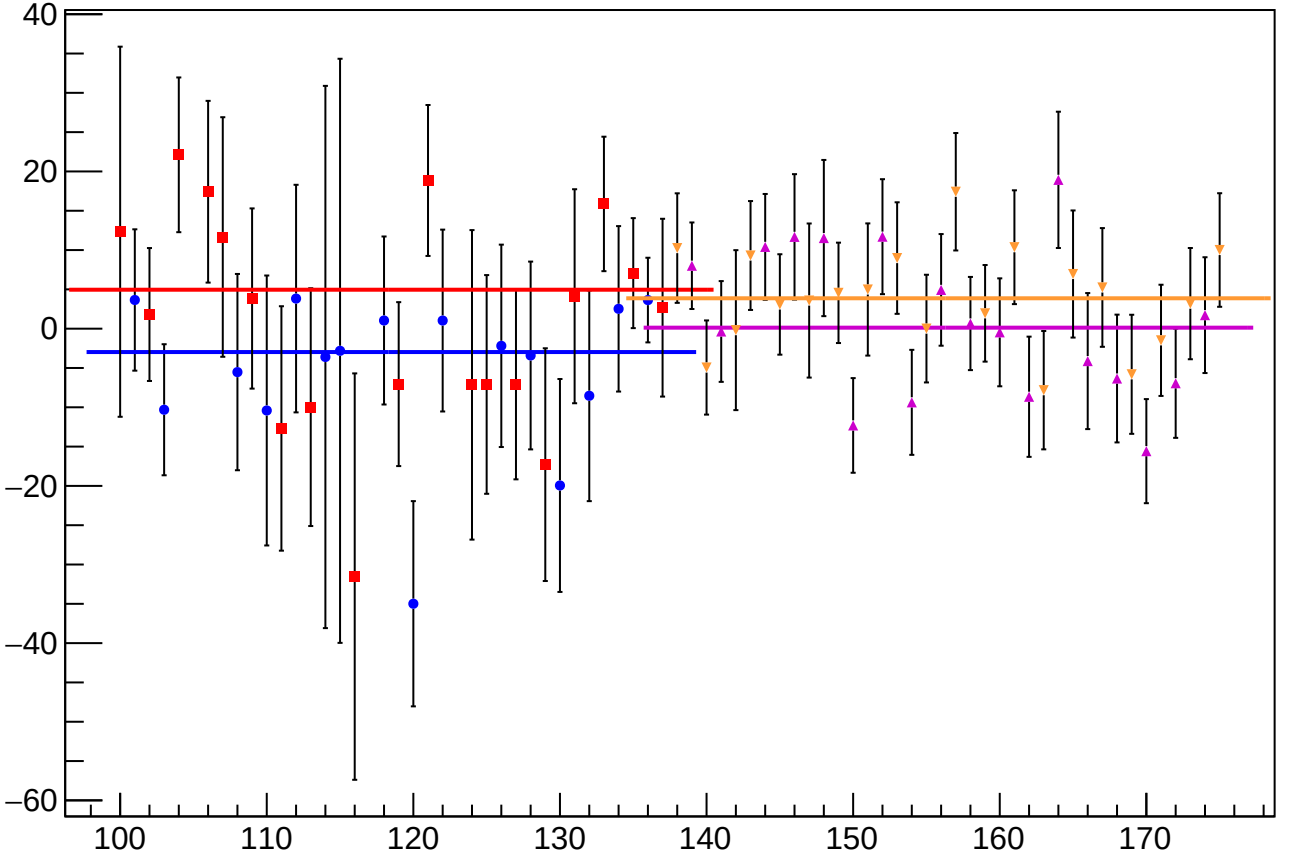
Left In: 675.091+/-0.130 χ^2/NDF:2075686.2/17

+ sign 720.444+/-0.110 χ^2/NDF: 1971707.2/35

All: 701.236+/-0.076 χ^2/NDF: 4694505.2/72

- sign 683.085+/-0.107 χ^2/NDF: 2663016.5/36

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.866+/-1.613 χ^2/NDF:14.4/19

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

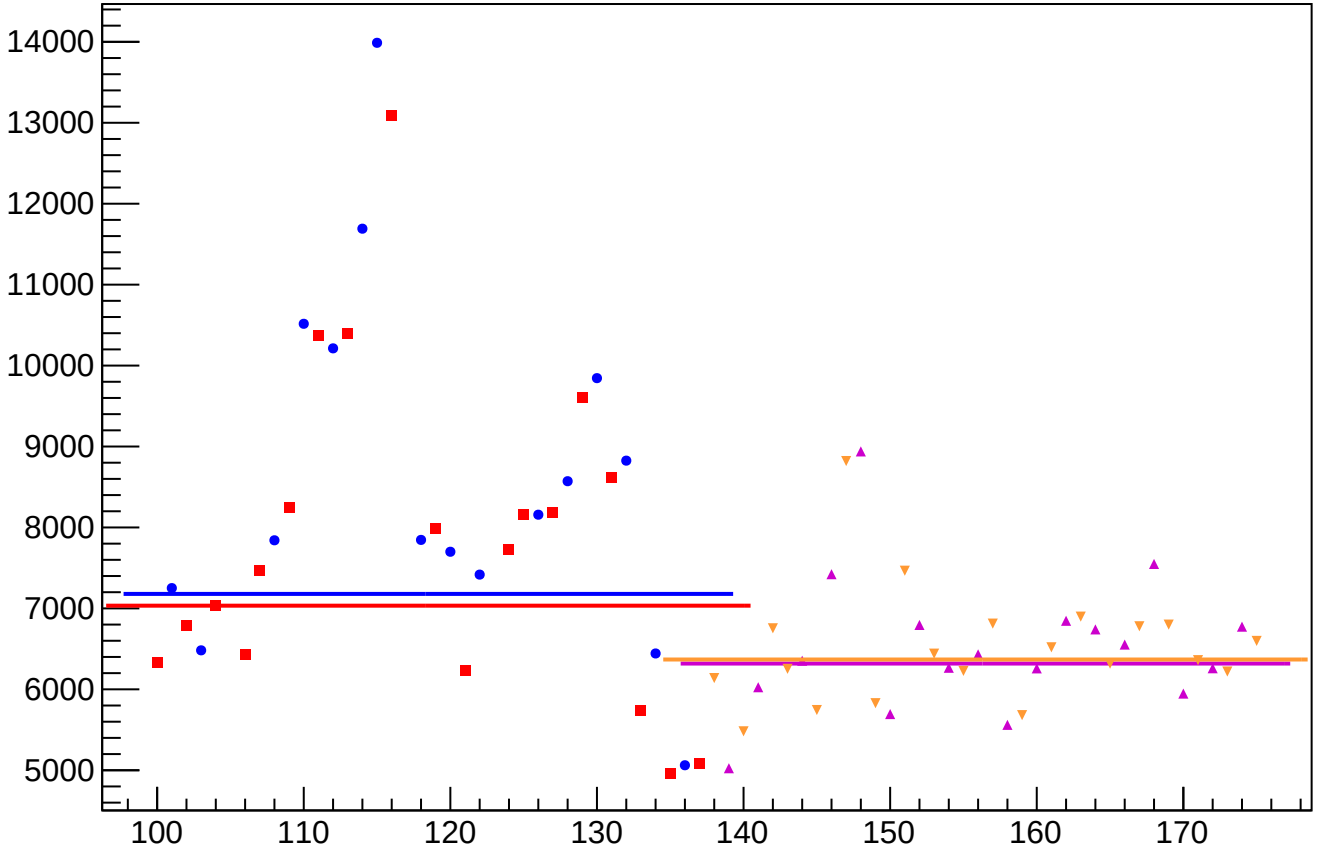
Left In: 0.128+/-1.657 χ^2/NDF:30.7/17

+ sign 2.112+/-1.391 χ^2/NDF: 30.6/35

All: 1.800+/-0.989 χ^2/NDF: 82.2/72

- sign 1.482+/-1.405 χ^2/NDF: 51.5/36

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6368.422+/-1.141 χ^2/NDF:301427.3/19

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

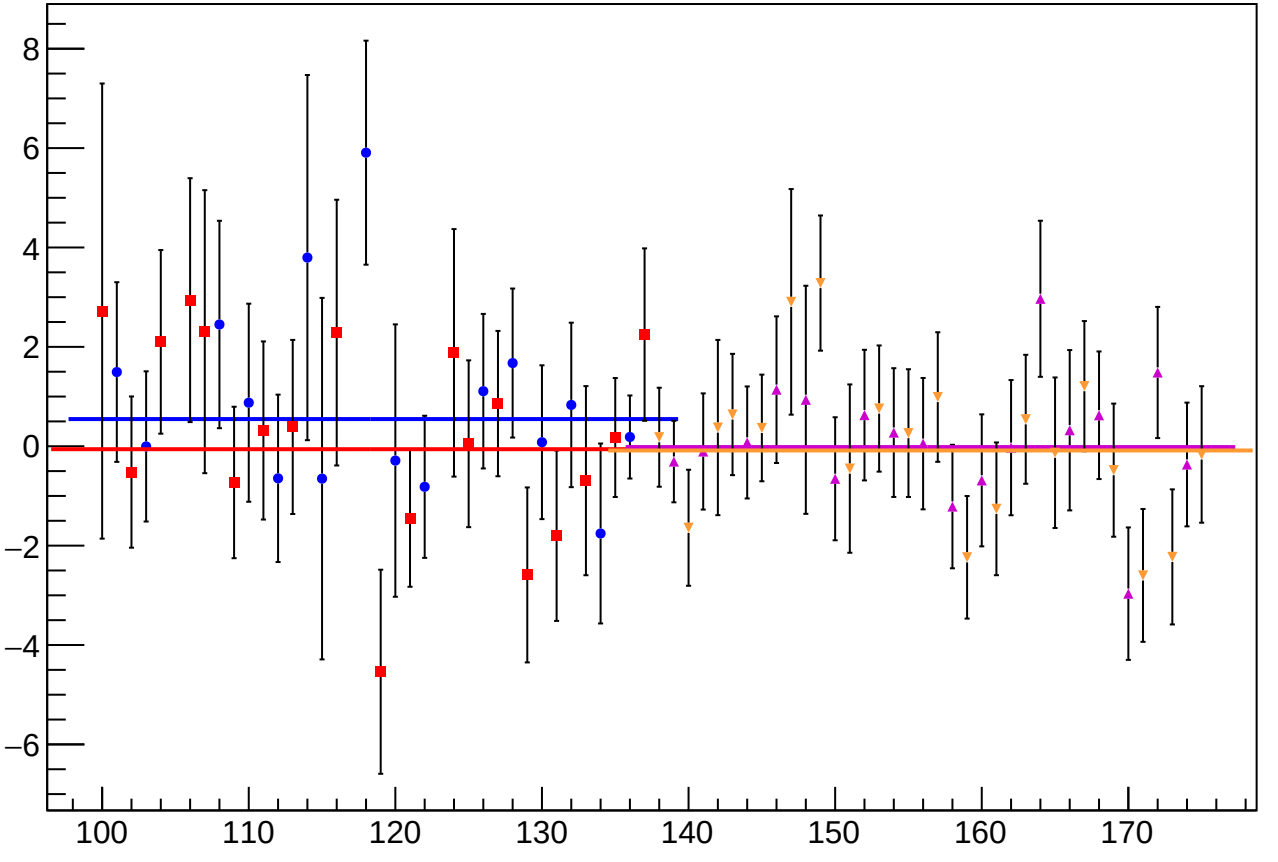
Left In: 6318.488+/-1.171 χ^2/NDF:431334.5/17

+ sign 6576.341+/-0.983 χ^2/NDF: 1192898.0/35

All: 6547.996+/-0.699 χ^2/NDF: 2496818.8/72

- sign 6519.062+/-0.994 χ^2/NDF: 1302242.2/36

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.085+/-0.295 χ^2/NDF:22.7/19

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

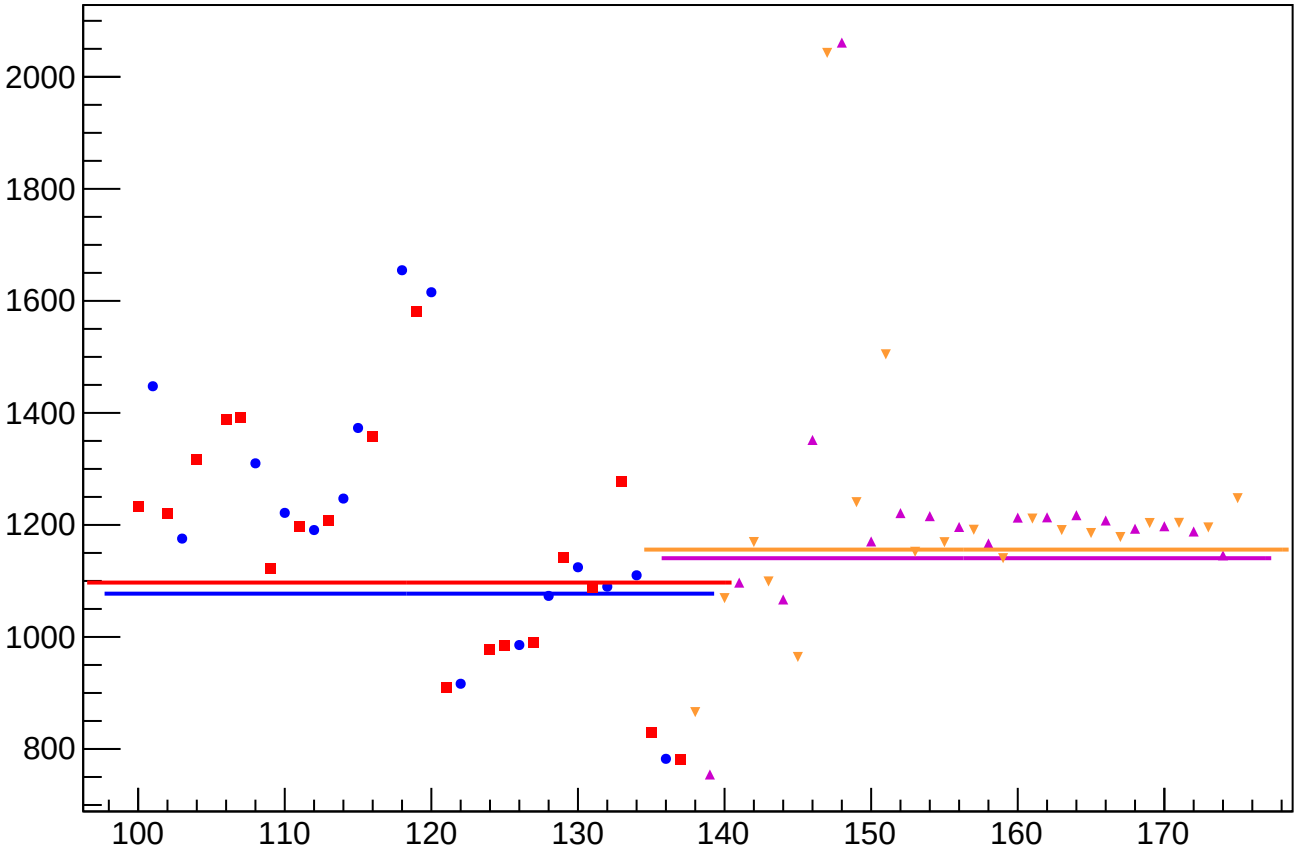
Left In: -0.017+/-0.302 χ^2/NDF:12.8/17

+ sign 0.130+/-0.239 χ^2/NDF: 36.2/35

All: 0.050+/-0.170 χ^2/NDF: 66.1/72

- sign -0.032+/-0.243 χ^2/NDF: 29.7/36

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1155.981+/-0.208 χ^2/NDF:670542.9/19

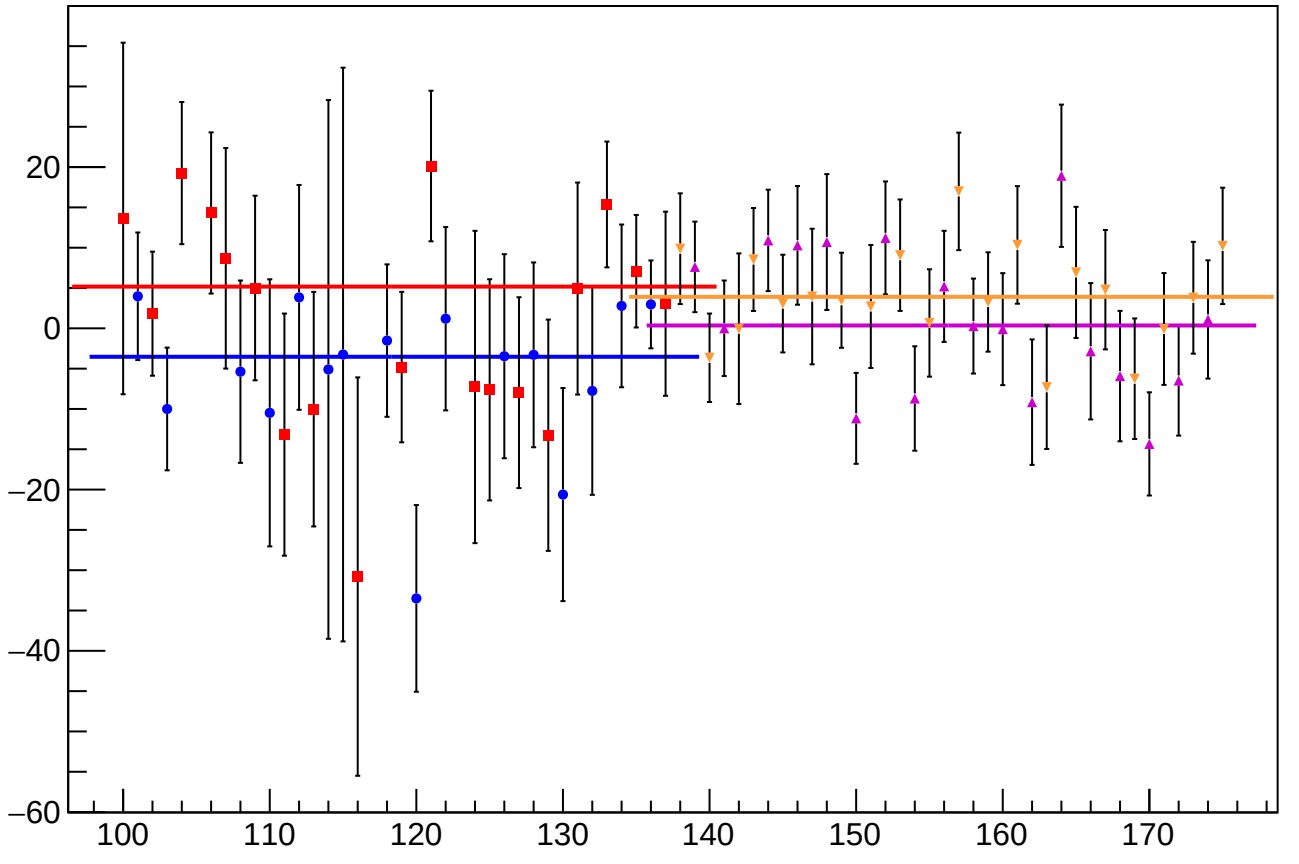
Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1140.601+/-0.213 χ^2/NDF:866990.5/17

+ sign 1129.261+/-0.169 χ^2/NDF: 1365490.6/35

All: 1127.292+/-0.121 χ^2/NDF: 2731780.9/72

- sign 1125.268+/-0.172 χ^2/NDF: 1366015.9/36



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.907+/-1.554 χ^2/NDF:13.5/19

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

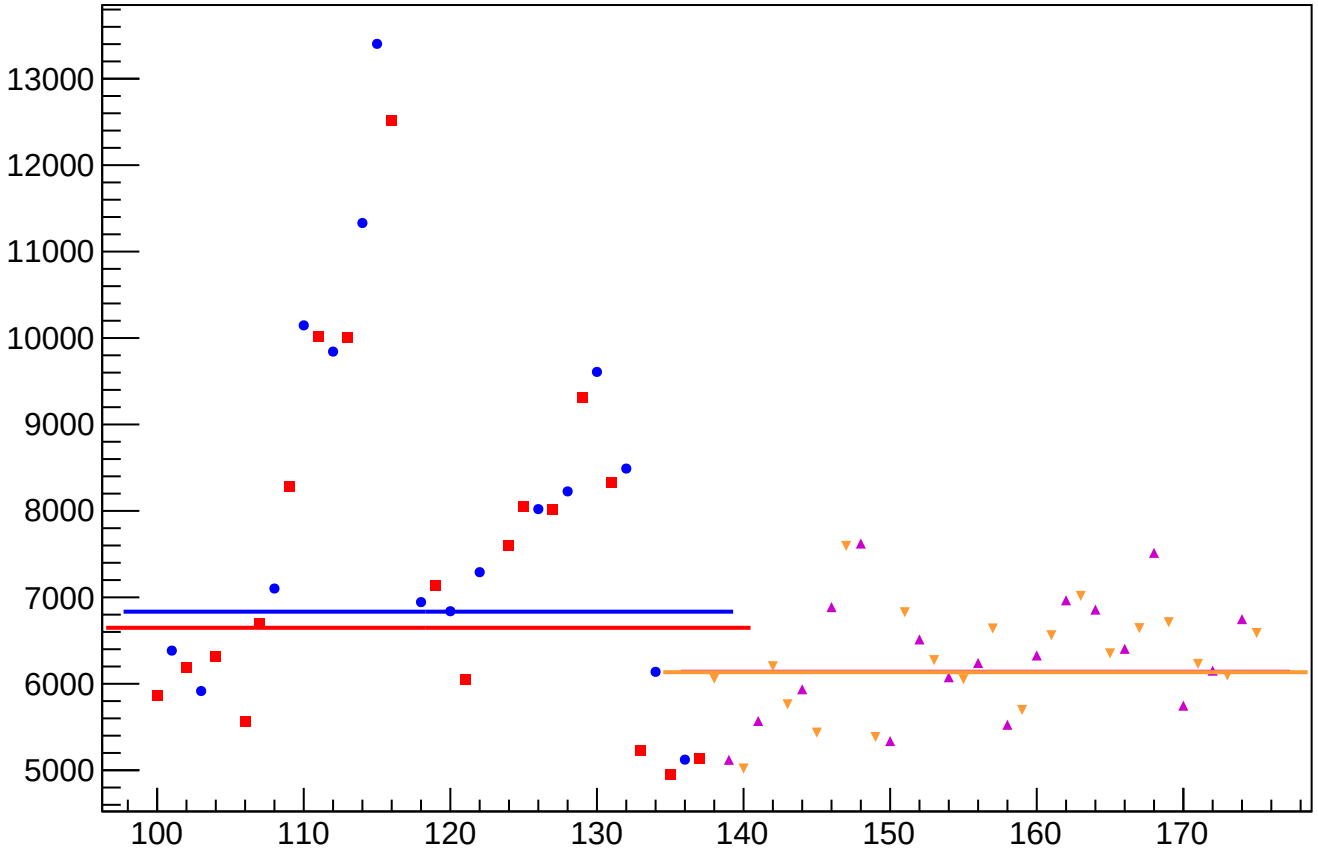
Left In: 0.354+/-1.607 χ^2/NDF:29.8/17

+ sign 1.960+/-1.335 χ^2/NDF: 32.1/35

All: 1.860+/-0.950 χ^2/NDF: 82.7/72

- sign 1.758+/-1.353 χ^2/NDF: 50.6/36

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6134.153+/-1.099 χ^2/NDF:310818.4/19

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

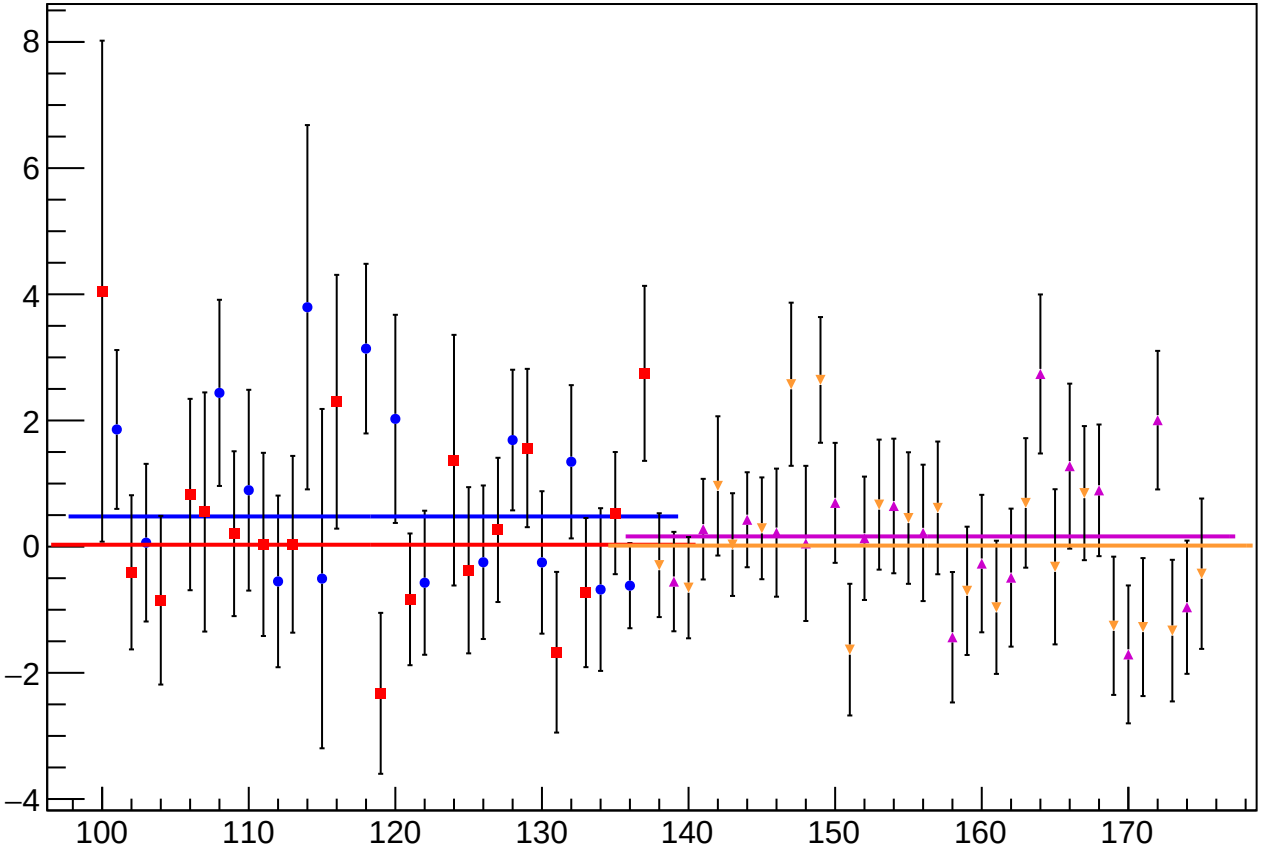
Left In: 6139.288+/-1.136 χ^2/NDF:355792.9/17

+ sign 6317.546+/-0.944 χ^2/NDF: 1109931.9/35

All: 6302.645+/-0.672 χ^2/NDF: 2309671.6/72

- sign 6287.335+/-0.957 χ^2/NDF: 1199234.4/36

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.017+/-0.225 χ^2/NDF:22.7/19

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

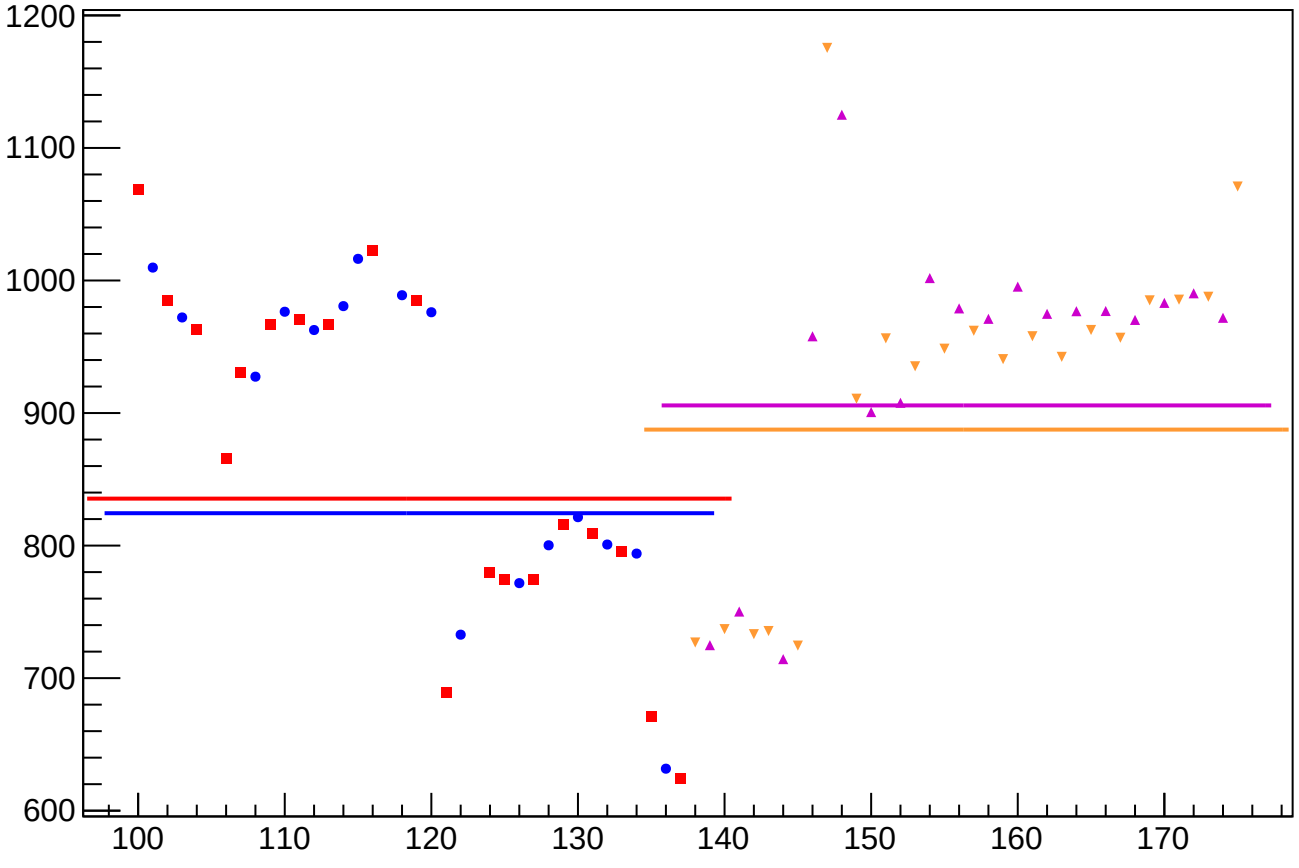
Left In: 0.162+/-0.237 χ^2/NDF:16.7/17

+ sign 0.176+/-0.182 χ^2/NDF: 40.9/35

All: 0.146+/-0.131 χ^2/NDF: 73.5/72

- sign 0.113+/-0.188 χ^2/NDF: 32.5/36

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 887.514+/-0.159 χ^2/NDF:598345.7/19

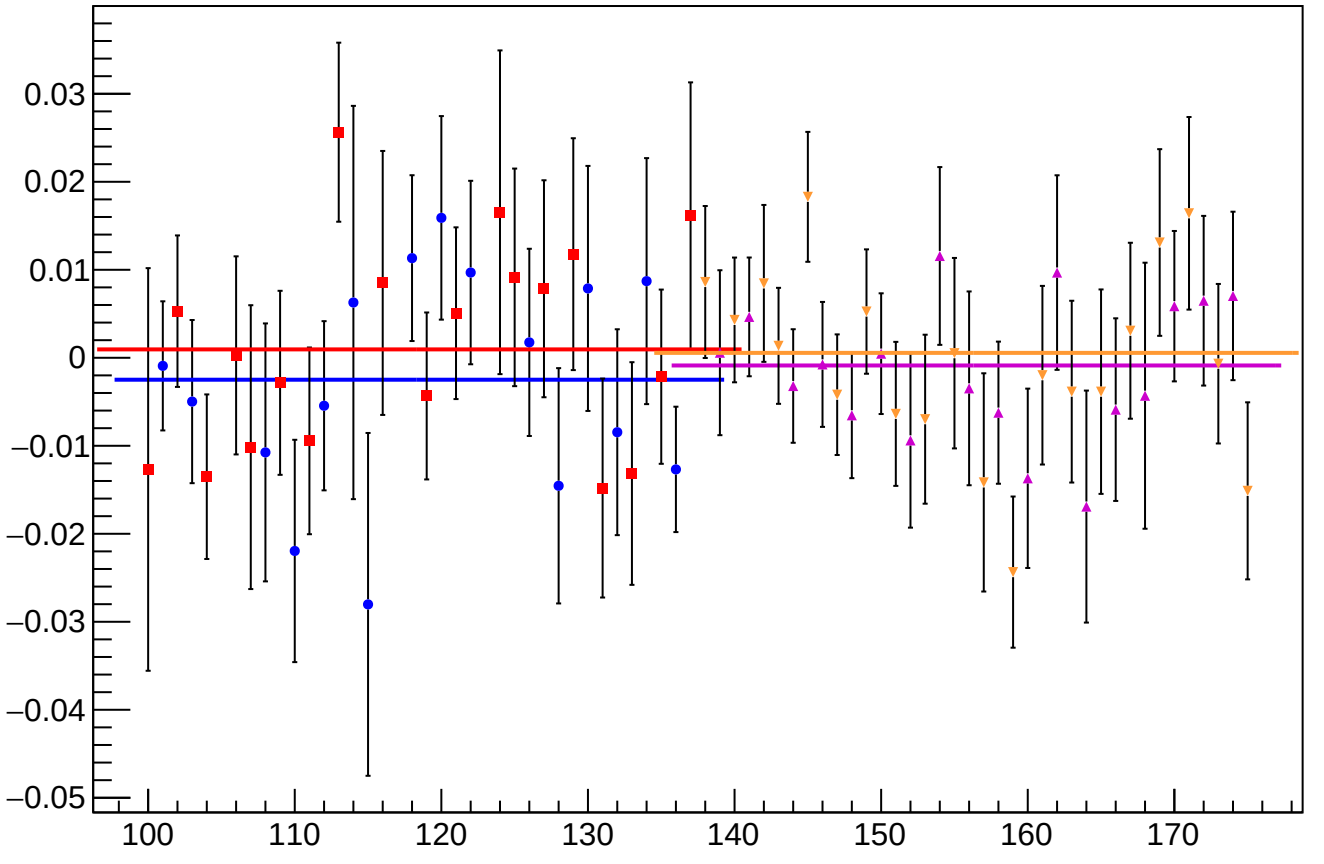
Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 905.752+/-0.168 χ^2/NDF:484270.0/17

+ sign 865.789+/-0.129 χ^2/NDF: 1017827.5/35

All: 872.500+/-0.093 χ^2/NDF: 1892275.7/72

- sign 879.634+/-0.133 χ^2/NDF: 868861.5/36



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.001+/-0.002 χ^2/NDF:26.2/19

Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

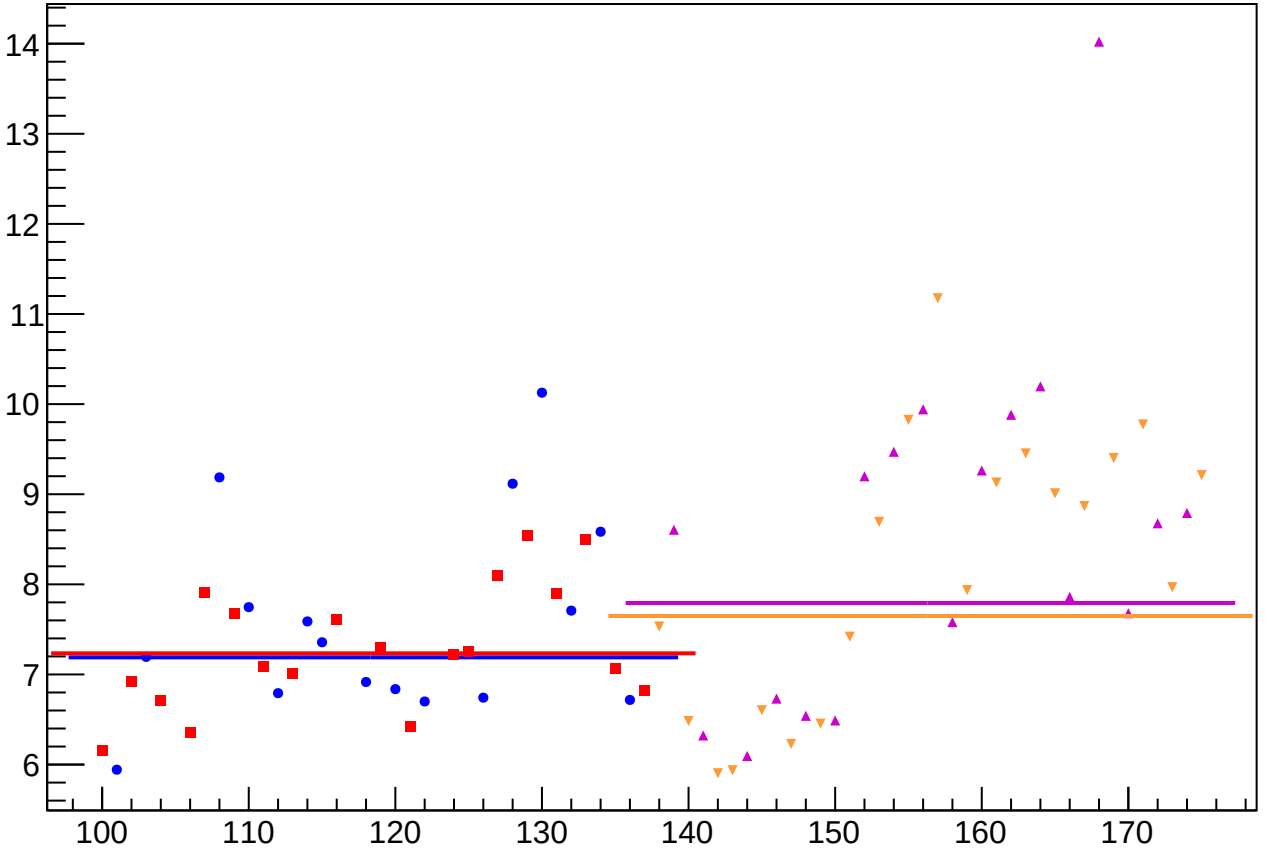
Left In: -0.001+/-0.002 χ^2/NDF:10.4/17

+ sign -0.000+/-0.002 χ^2/NDF: 42.3/35

All: -0.000+/-0.001 χ^2/NDF: 70.3/72

- sign -0.000+/-0.002 χ^2/NDF: 28.0/36

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.649+/-0.001 χ^2/NDF:1060948.6/19

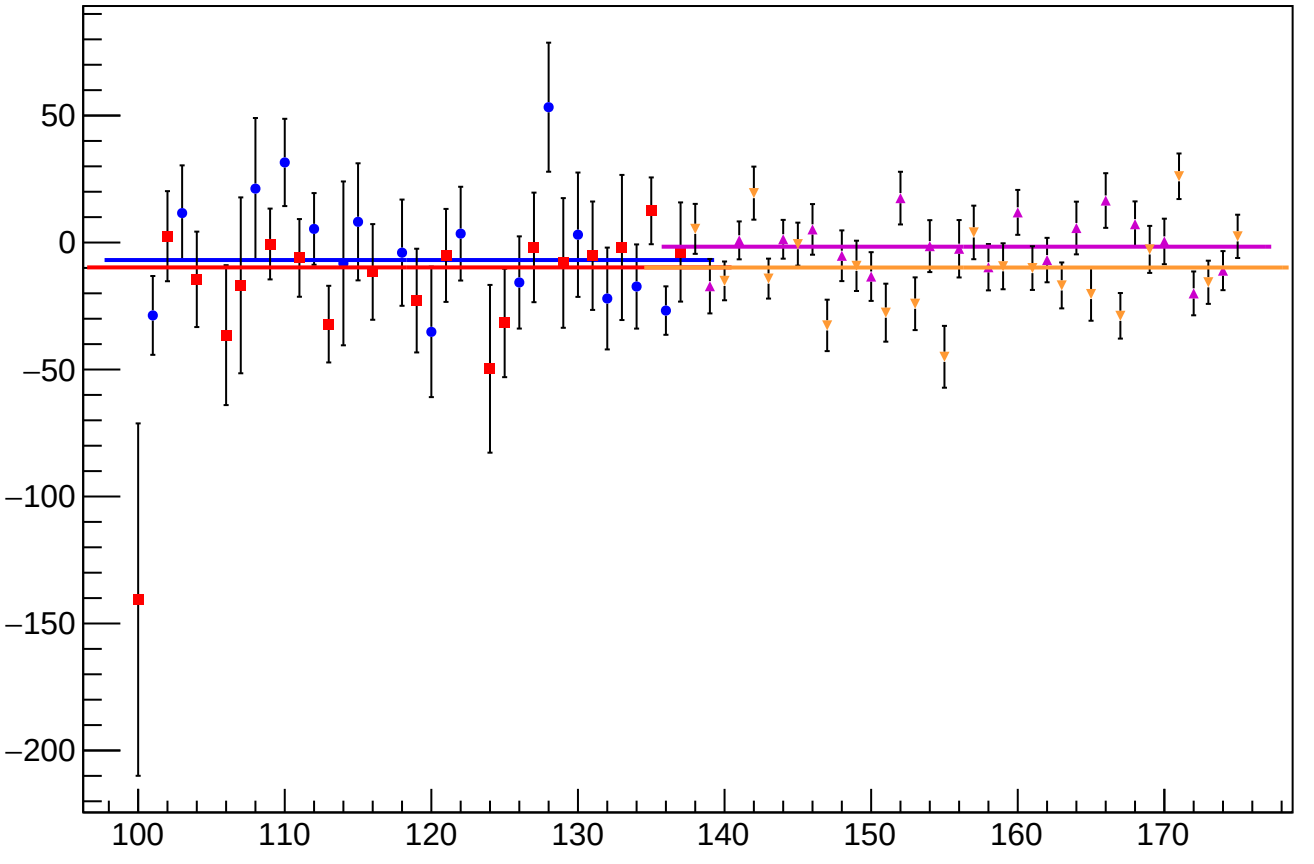
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.793+/-0.001 χ^2/NDF:1158164.5/17

+ sign 7.491+/-0.001 χ^2/NDF: 1376236.9/35

All: 7.535+/-0.001 χ^2/NDF: 2698968.9/72

- sign 7.583+/-0.001 χ^2/NDF: 1319465.0/36



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -9.834+/-2.083 χ^2/NDF:56.9/19

Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

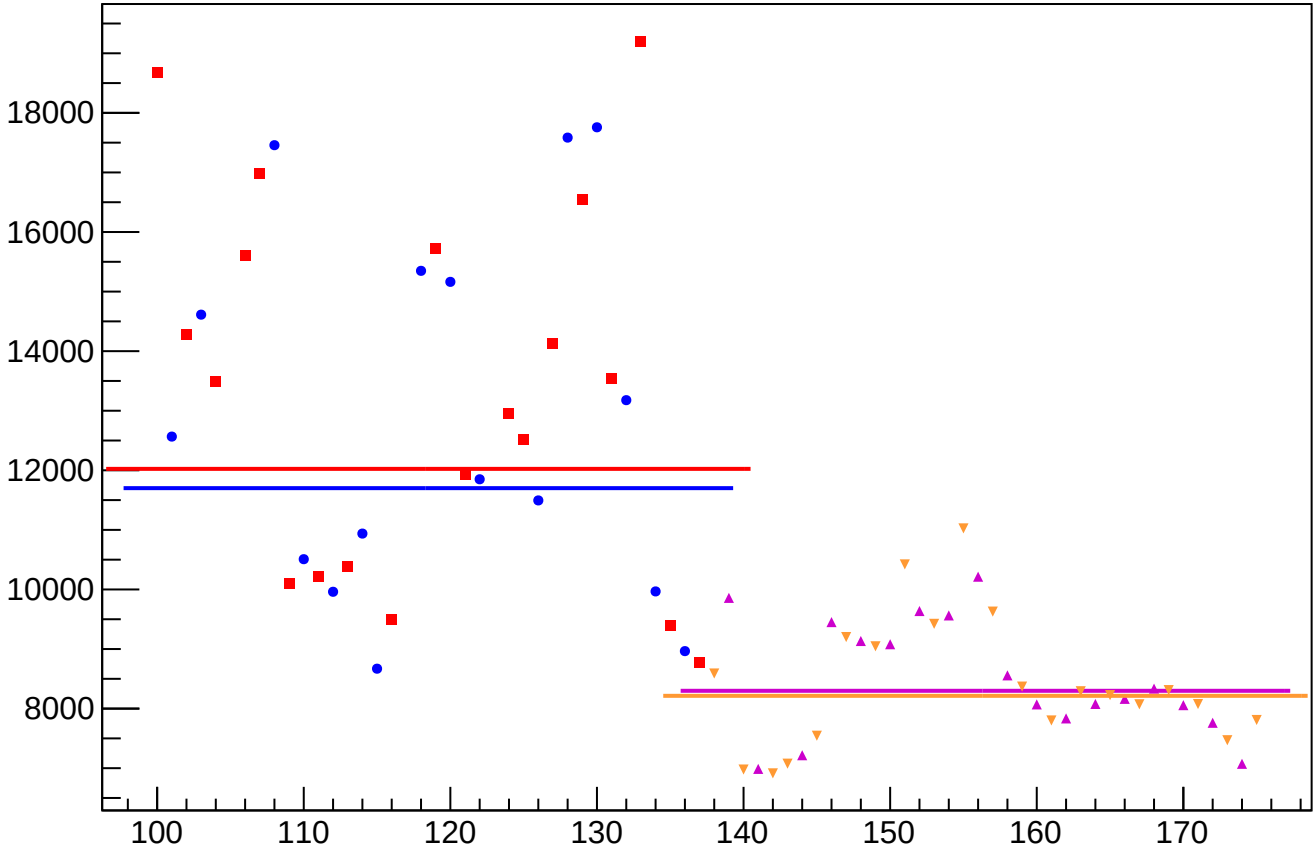
Left In: -1.638+/-2.170 χ^2/NDF:21.8/17

+ sign -9.313+/-1.889 χ^2/NDF: 80.3/35

All: -6.346+/-1.359 χ^2/NDF: 123.8/72

- sign -3.166+/-1.956 χ^2/NDF: 38.4/36

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8214.536+/-1.473 χ^2/NDF:444737.5/19

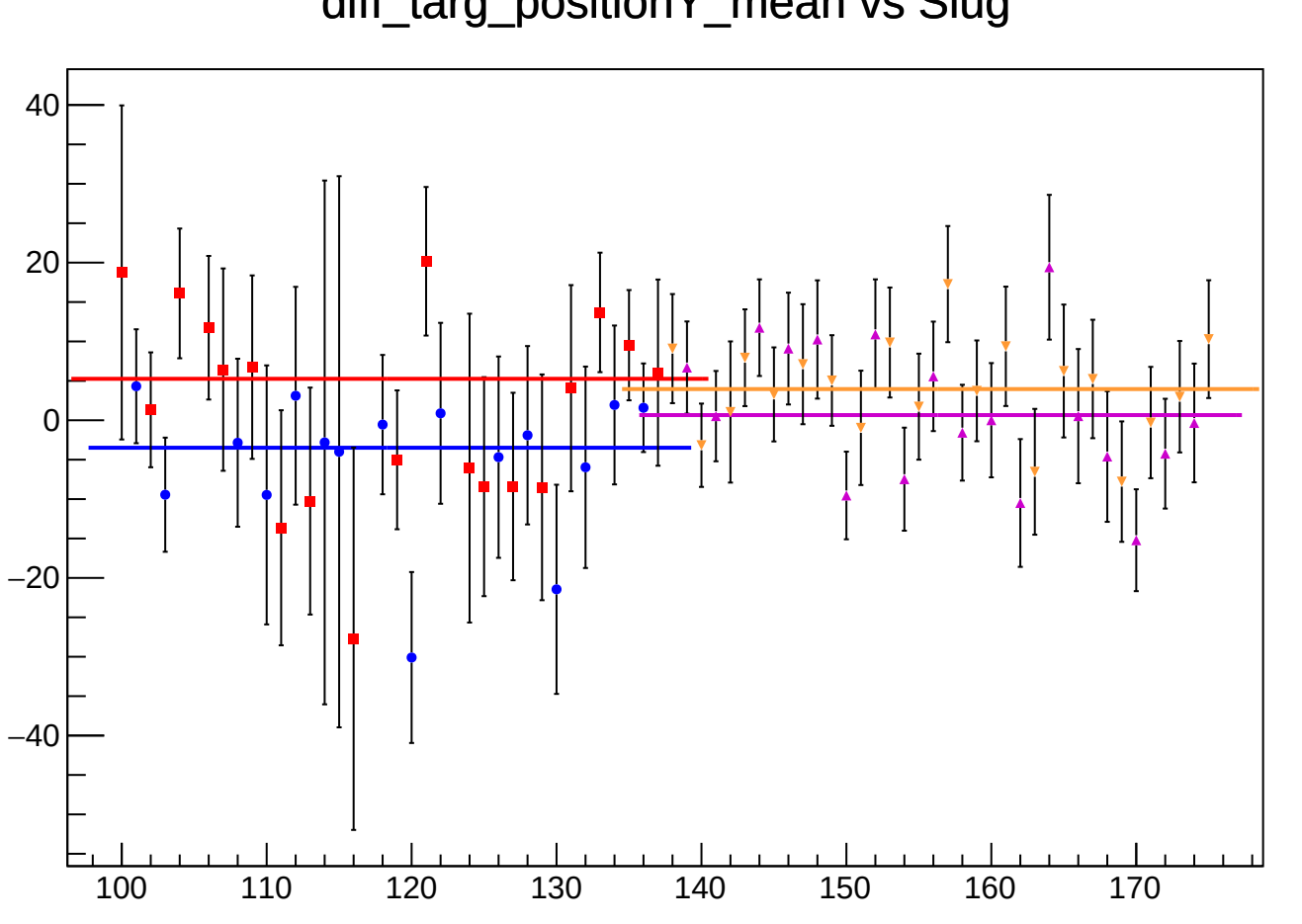
Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8298.917+/-1.534 χ^2/NDF:389326.0/17

+ sign 8832.220+/-1.336 χ^2/NDF: 2177663.7/35

All: 8911.858+/-0.961 χ^2/NDF: 4364359.3/72

- sign 8997.196+/-1.383 χ^2/NDF: 2179334.1/36



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.959+/-1.551 χ^2/NDF:13.5/19

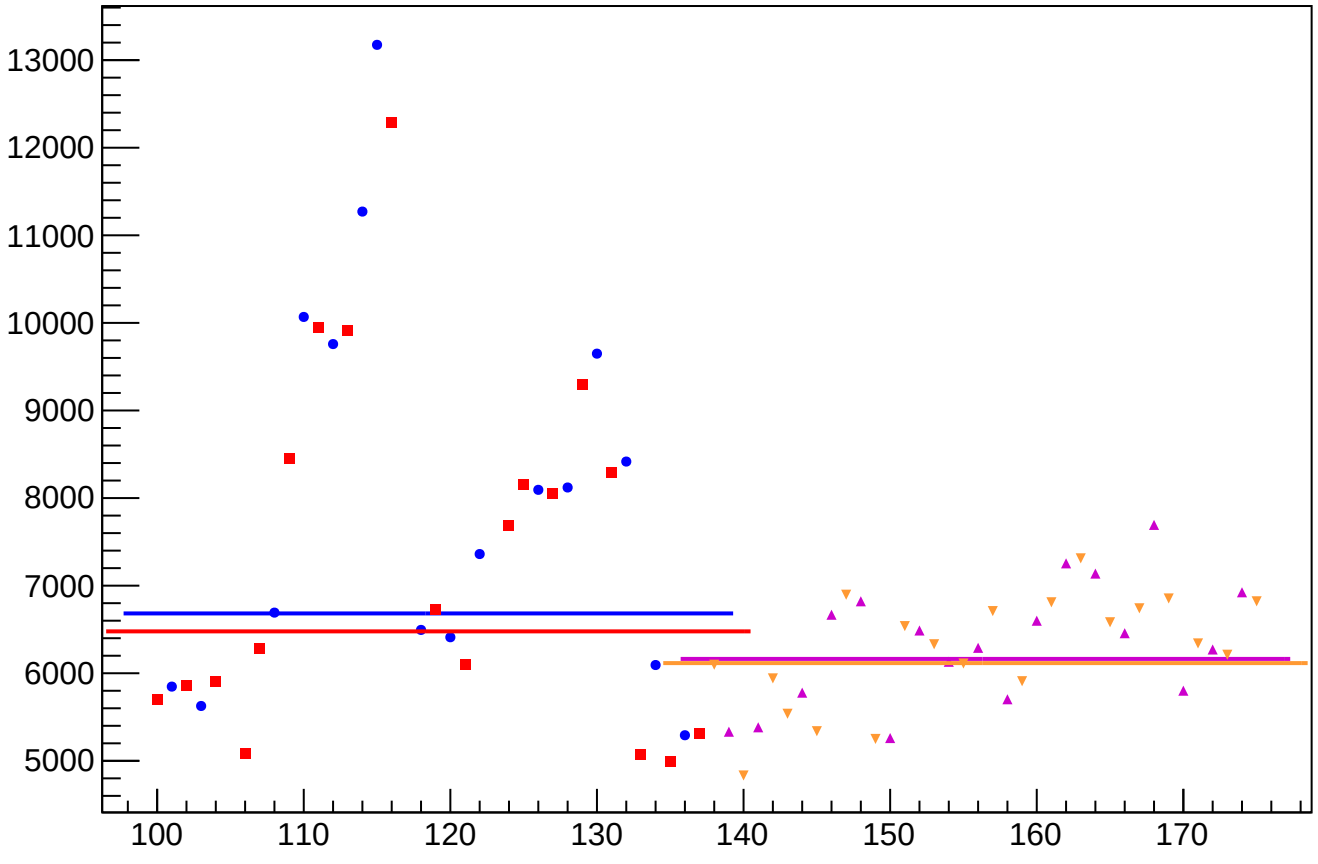
Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: 0.659+/-1.612 χ^2/NDF:28.1/17

+ sign 1.949+/-1.325 χ^2/NDF: 31.2/35

All: 2.000+/-0.944 χ^2/NDF: 78.4/72

- sign 2.052+/-1.346 χ^2/NDF: 47.2/36



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6115.853+/-1.097 χ^2/NDF:381055.1/19

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

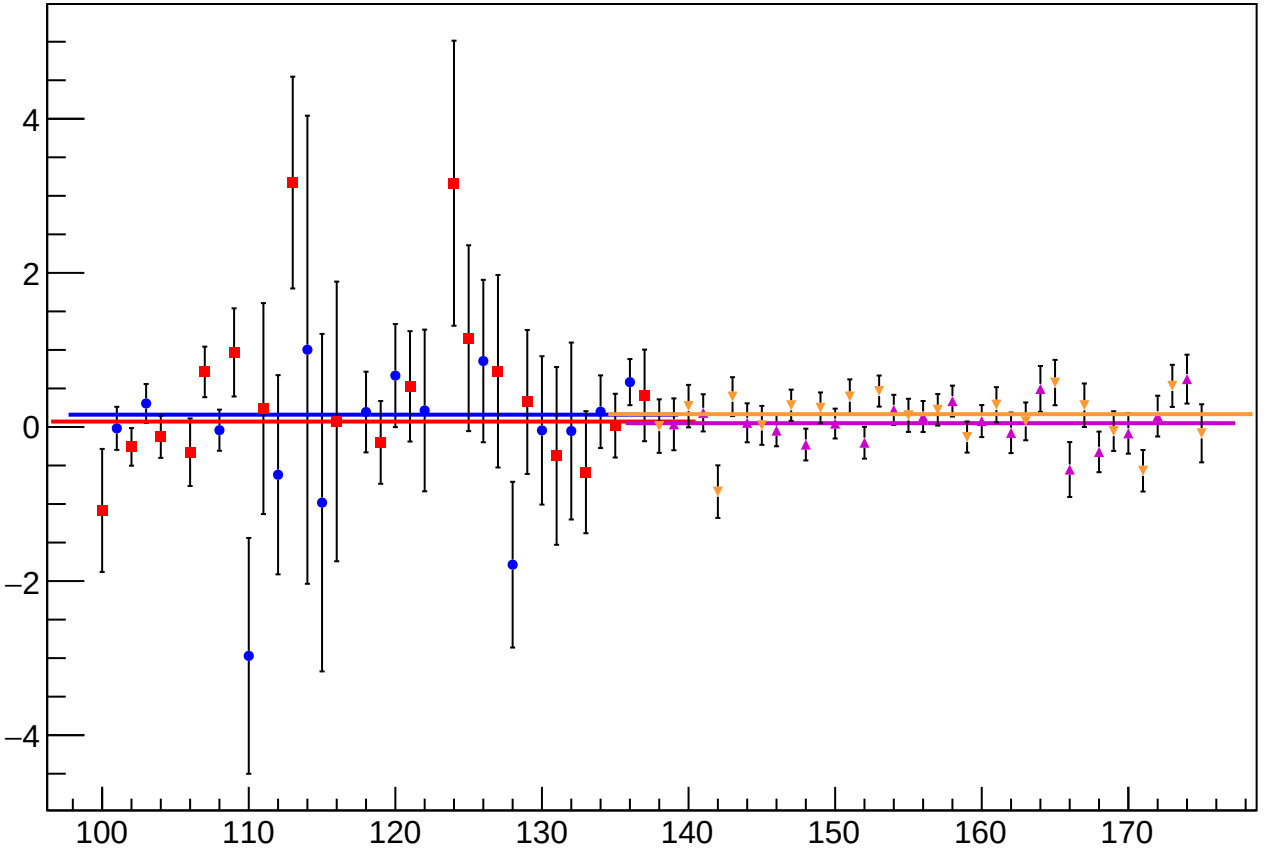
Left In: 6163.698+/-1.140 χ^2/NDF:344059.5/17

+ sign 6268.994+/-0.937 χ^2/NDF: 1145491.4/35

All: 6264.029+/-0.668 χ^2/NDF: 2351870.6/72

- sign 6258.905+/-0.952 χ^2/NDF: 1206322.2/36

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.166+/-0.055 χ^2/NDF:29.1/19

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

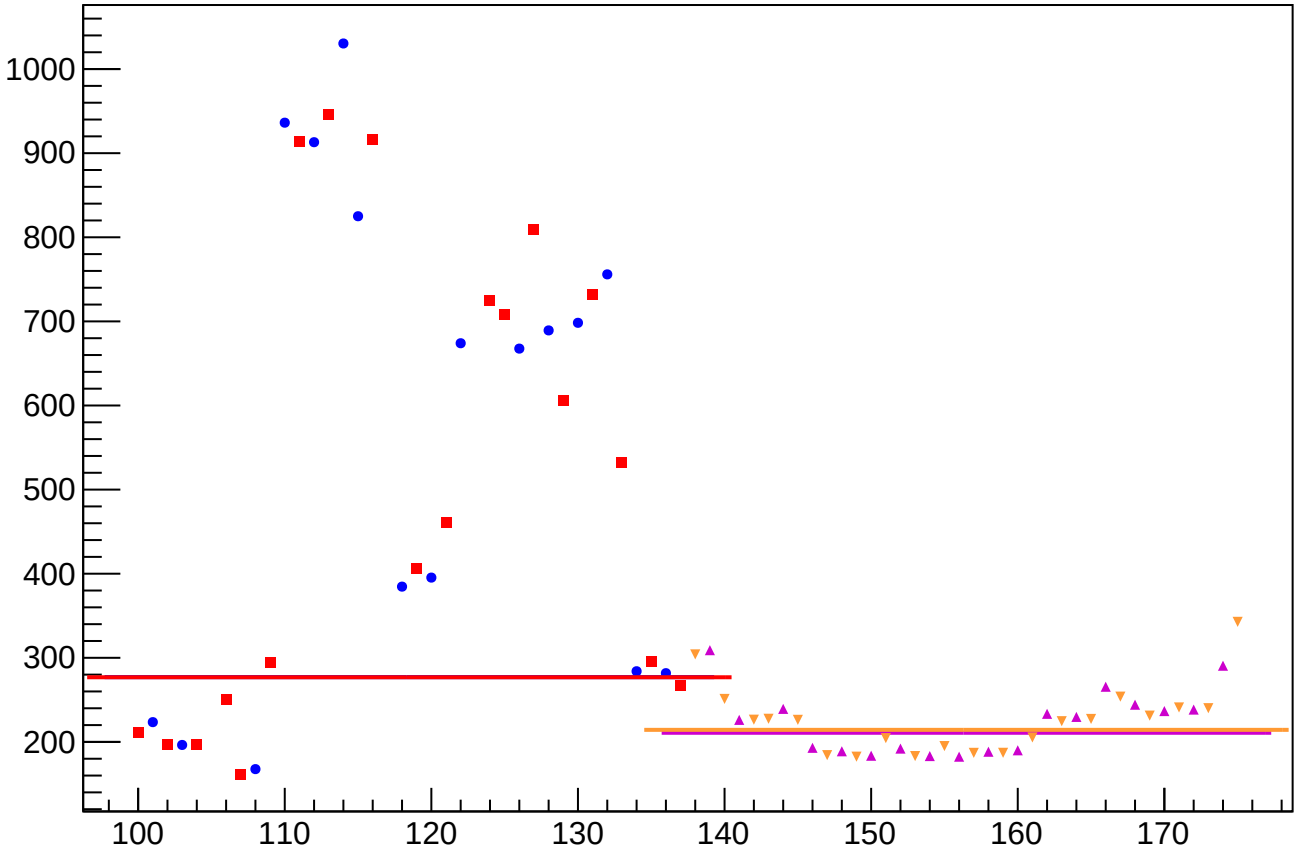
Left In: 0.049+/-0.055 χ^2/NDF:17.8/17

+ sign 0.165+/-0.050 χ^2/NDF: 41.7/35

All: 0.110+/-0.035 χ^2/NDF: 84.5/72

- sign 0.053+/-0.050 χ^2/NDF: 40.3/36

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 214.345+/-0.039 χ^2/NDF:744342.3/19

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

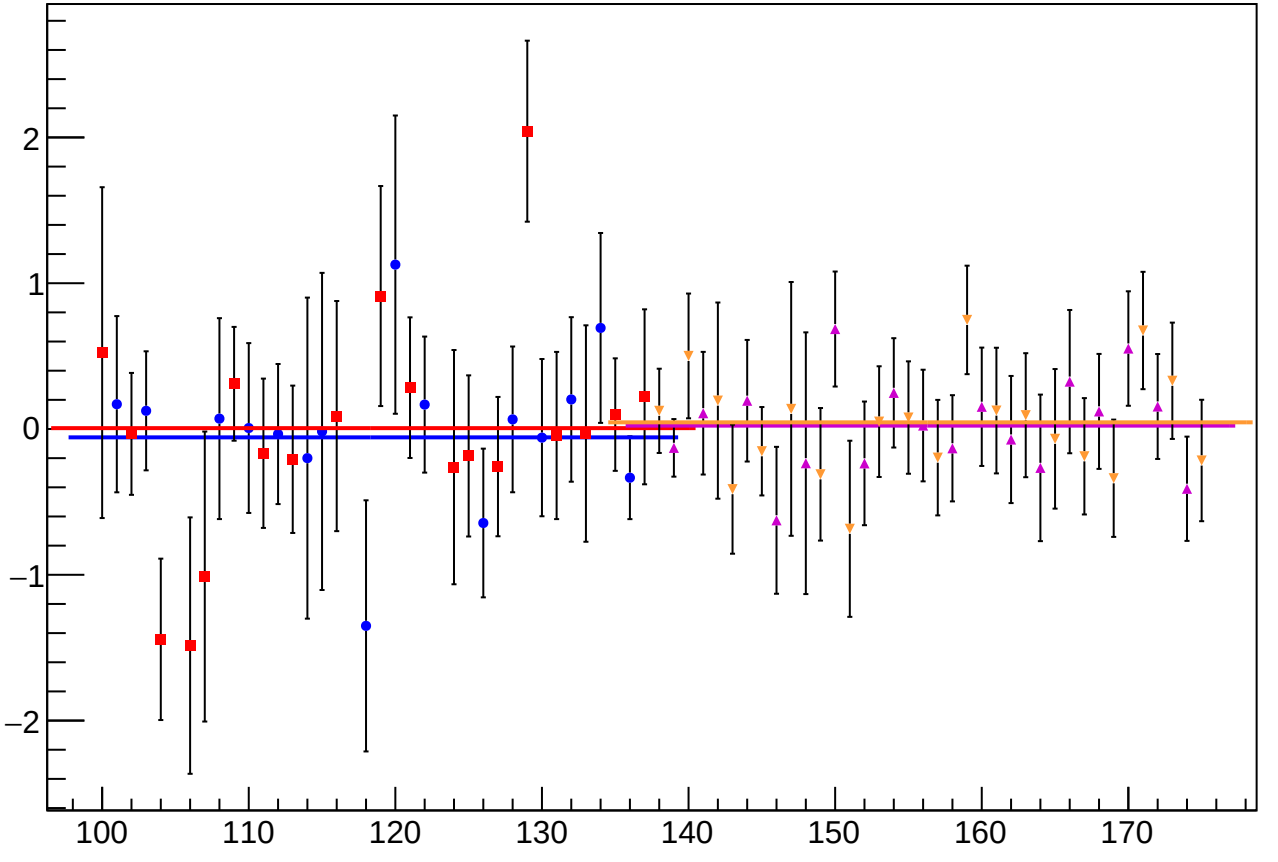
Left In: 210.869+/-0.039 χ^2/NDF:692703.2/17

\+ sign 225.179+/-0.035 χ^2/NDF: 4649269.1/35

All: 223.878+/-0.025 χ^2/NDF: 9416792.7/72

\- sign 222.545+/-0.036 χ^2/NDF: 4764752.6/36

diff_targ_thetaY_mean vs Slug



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.046+/-0.092 χ^2/NDF:13.5/19

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

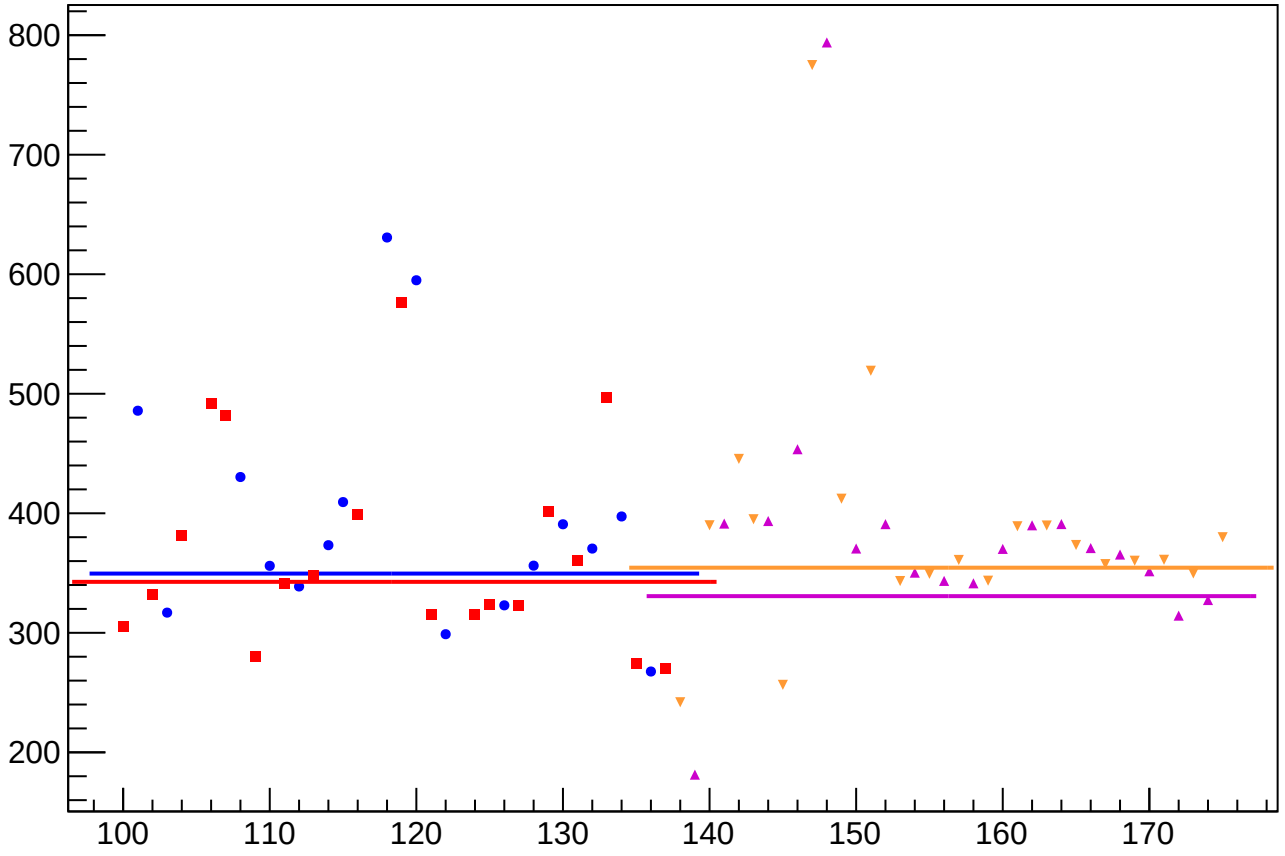
Left In: 0.023+/-0.090 χ^2/NDF:10.6/17

+ sign 0.013+/-0.076 χ^2/NDF: 22.0/35

All: 0.015+/-0.053 χ^2/NDF: 57.8/72

- sign 0.018+/-0.074 χ^2/NDF: 35.8/36

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 354.484+/-0.065 χ^2/NDF:1270566.7/19

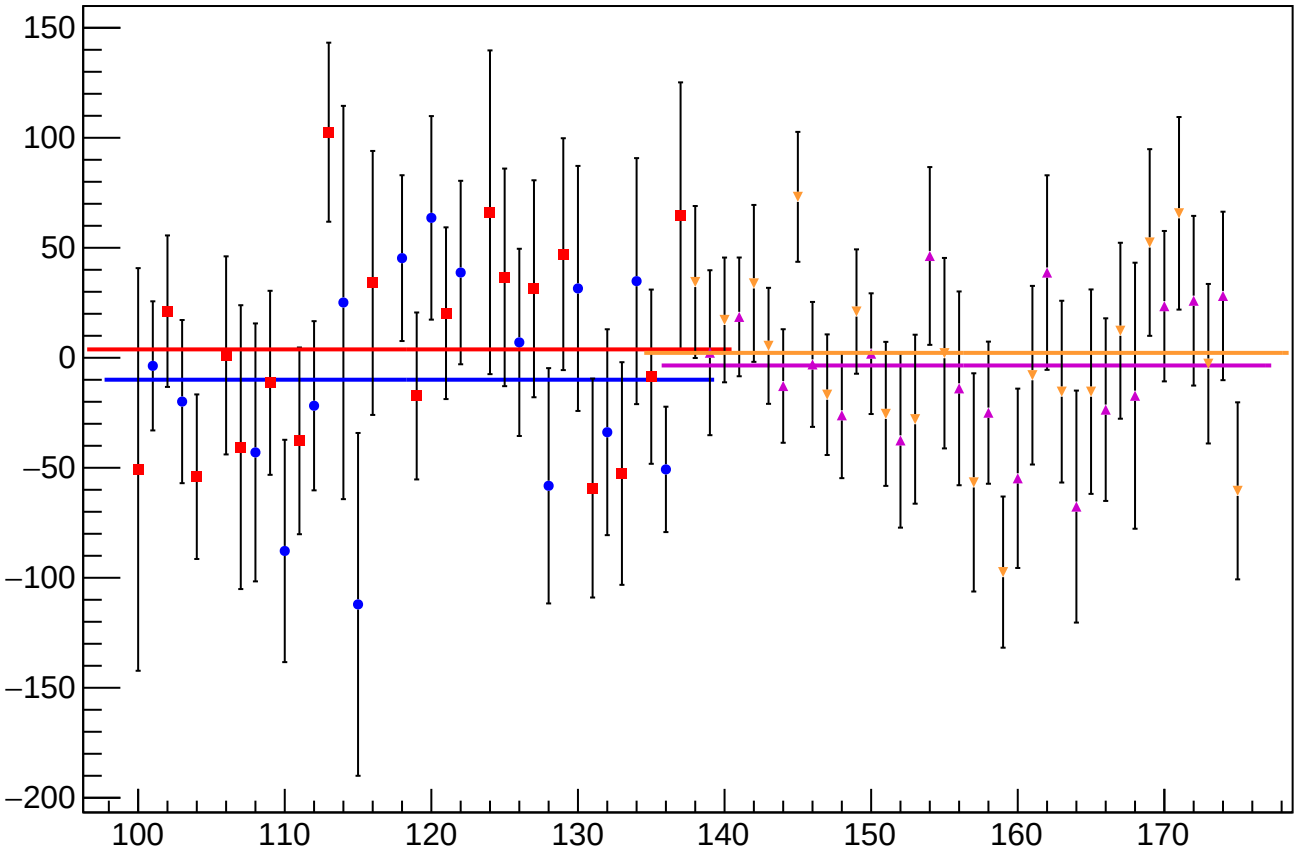
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 330.684+/-0.064 χ^2/NDF:2075686.2/17

+ sign 352.900+/-0.054 χ^2/NDF: 1971707.2/35

All: 343.490+/-0.037 χ^2/NDF: 4694505.2/72

- sign 334.599+/-0.052 χ^2/NDF: 2663016.5/36



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.233+/-7.864 χ^2/NDF:26.2/19

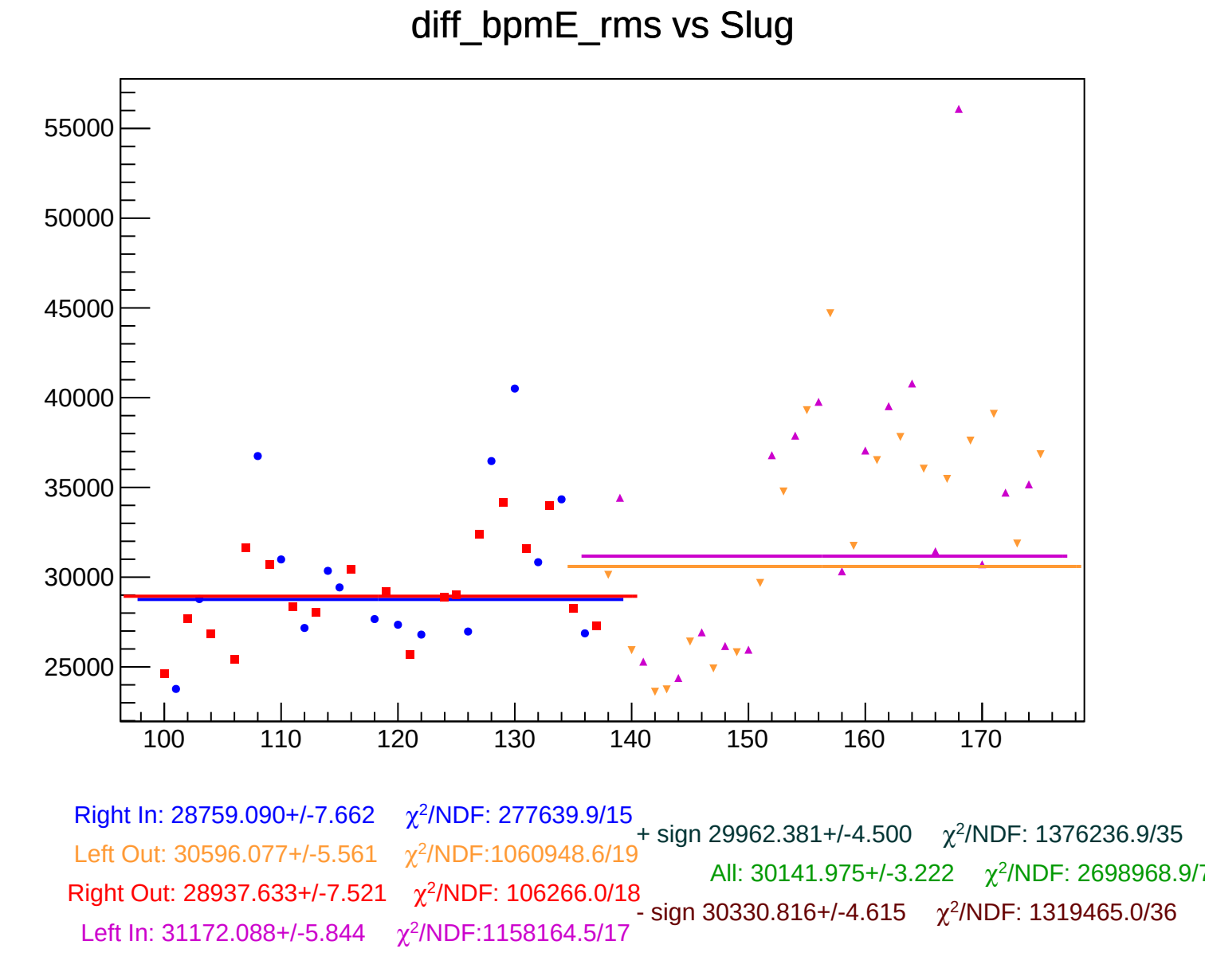
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -3.494+/-8.265 χ^2/NDF:10.4/17

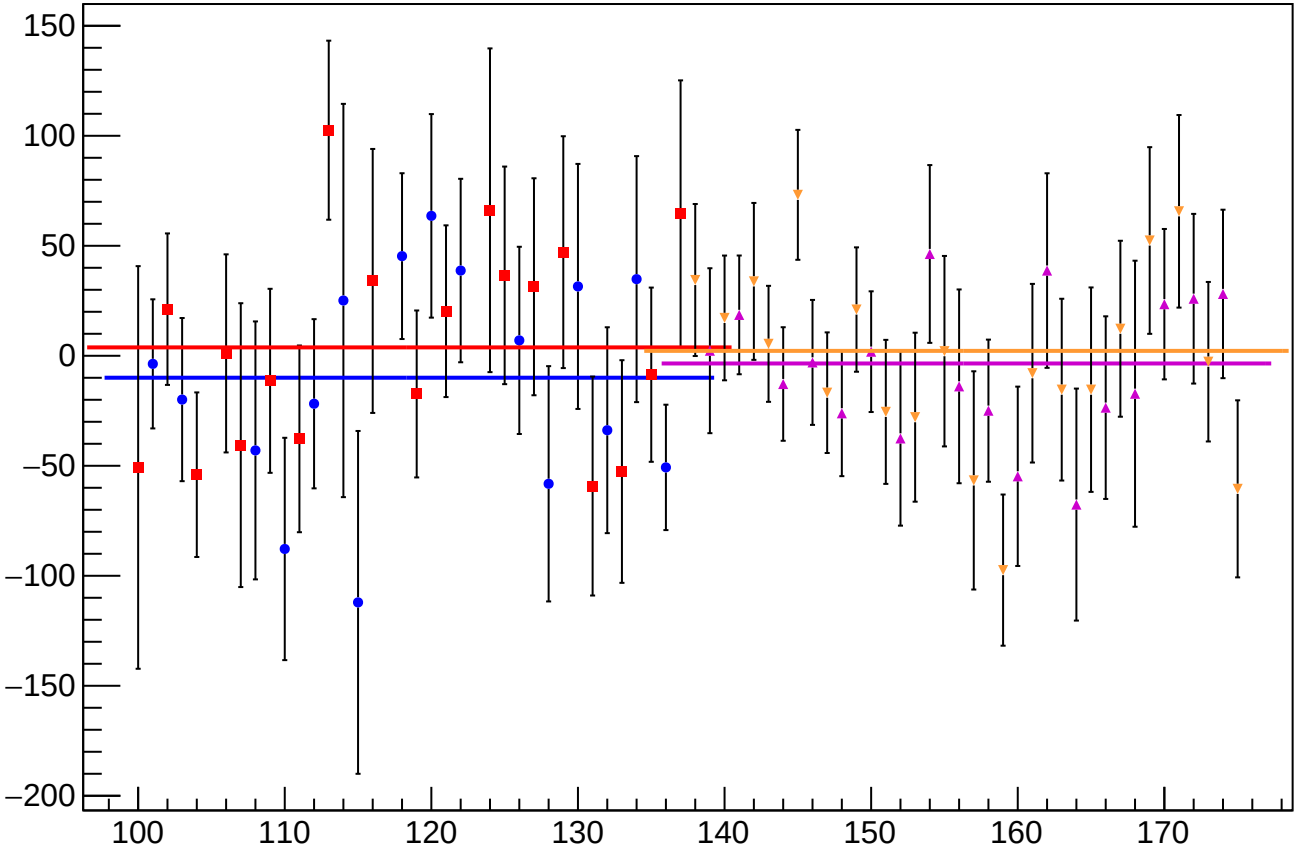
+ sign -1.976+/-6.365 χ^2/NDF: 42.3/35

All: -1.375+/-4.557 χ^2/NDF: 70.3/72

- sign -0.743+/-6.526 χ^2/NDF: 28.0/36


diff_bpmE_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 30596.077+/-5.561 χ²/NDF:1060948.6/19
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31172.088+/-5.844 χ²/NDF:1158164.5/17
+ sign 29962.381+/-4.500 χ²/NDF: 1376236.9/35
All: 30141.975+/-3.222 χ²/NDF: 2698968.9/7
- sign 30330.816+/-4.615 χ²/NDF: 1319465.0/36

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.233+/-7.864 χ^2/NDF:26.2/19

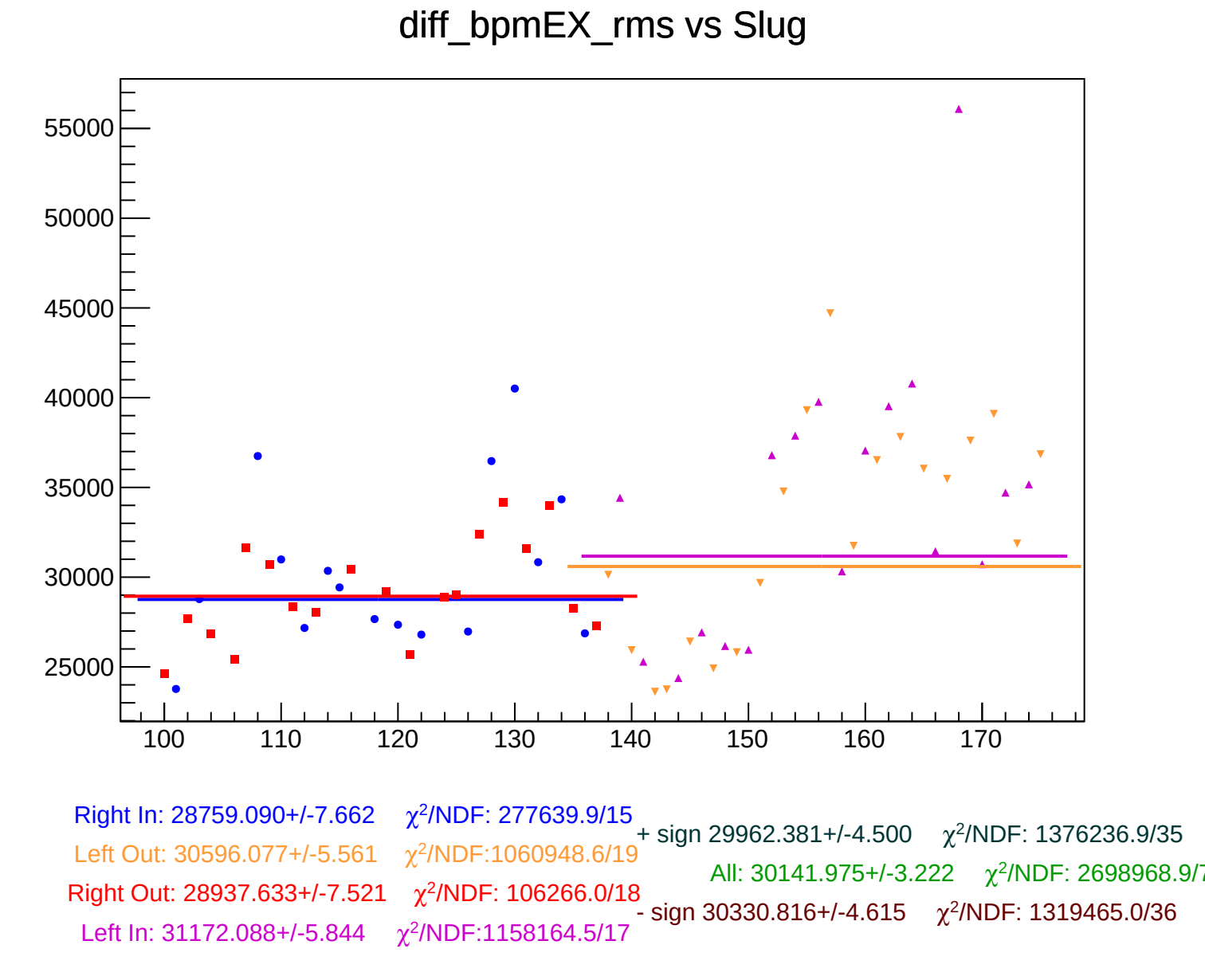
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -3.494+/-8.265 χ^2/NDF:10.4/17

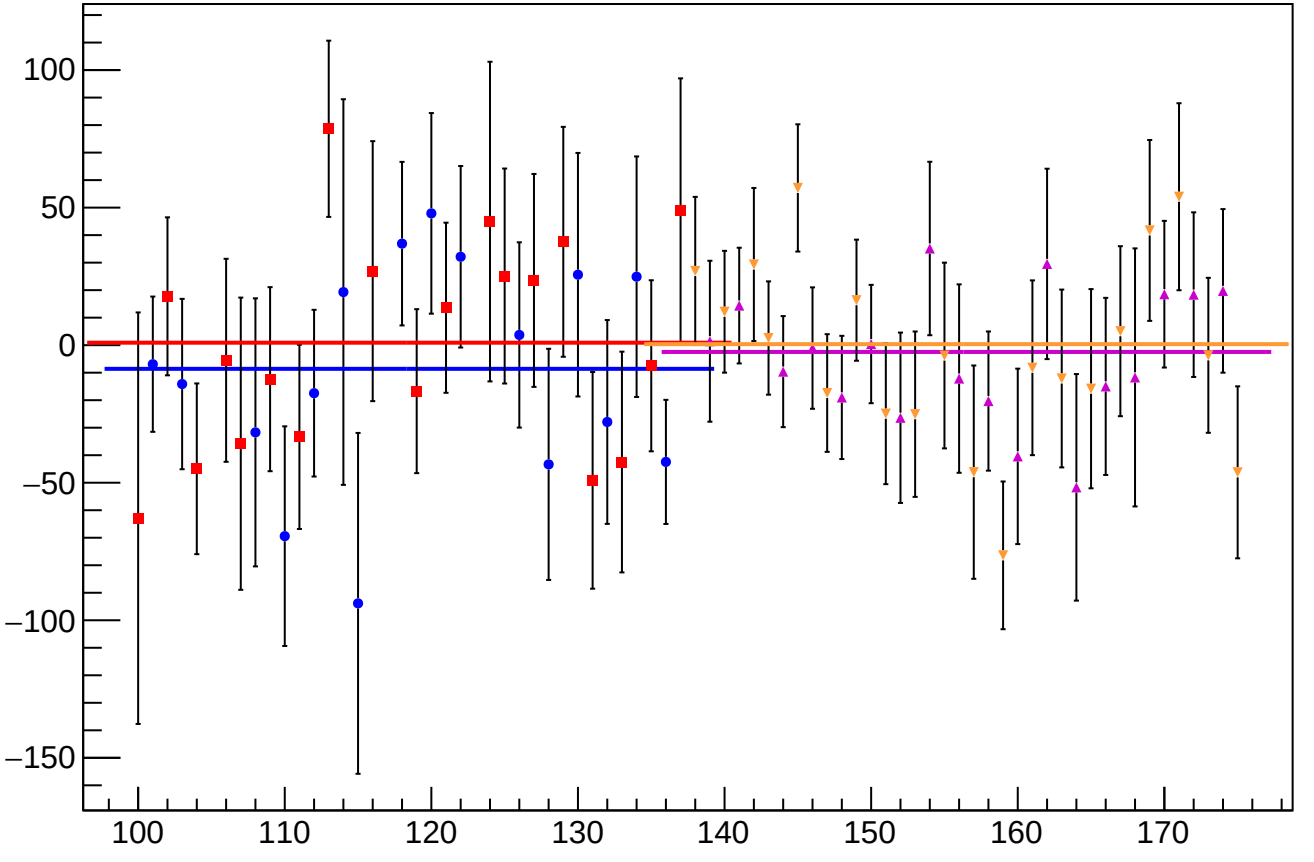
+ sign -1.976+/-6.365 χ^2/NDF: 42.3/35

All: -1.375+/-4.557 χ^2/NDF: 70.3/72

- sign -0.743+/-6.526 χ^2/NDF: 28.0/36


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 30596.077+/-5.561 χ²/NDF:1060948.6/19
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31172.088+/-5.844 χ²/NDF:1158164.5/17
+ sign 29962.381+/-4.500 χ²/NDF: 1376236.9/35
All: 30141.975+/-3.222 χ²/NDF: 2698968.9/7
- sign 30330.816+/-4.615 χ²/NDF: 1319465.0/36

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 0.368+/-6.133 χ^2/NDF:27.7/19

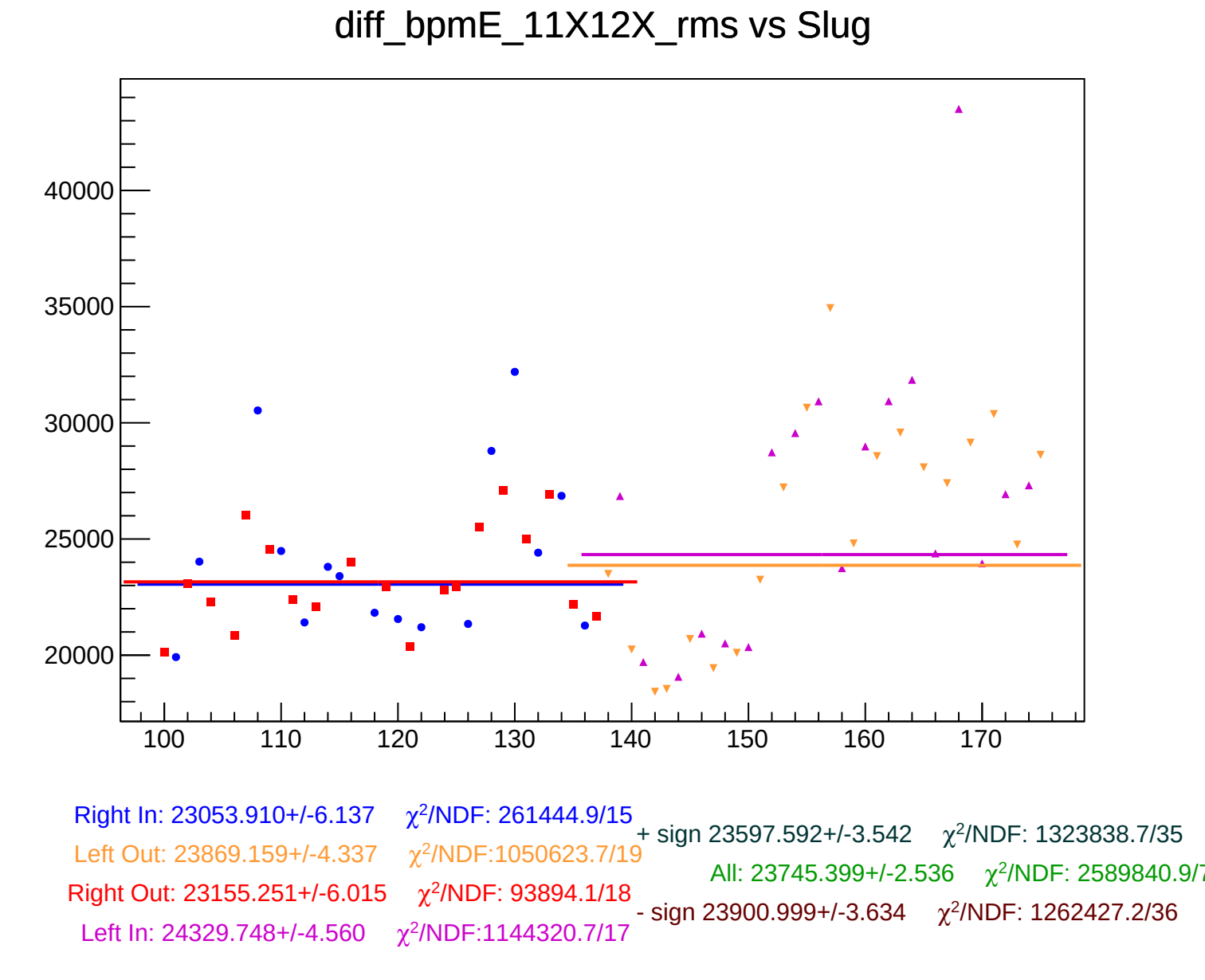
Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: -2.465+/-6.449 χ^2/NDF:9.5/17

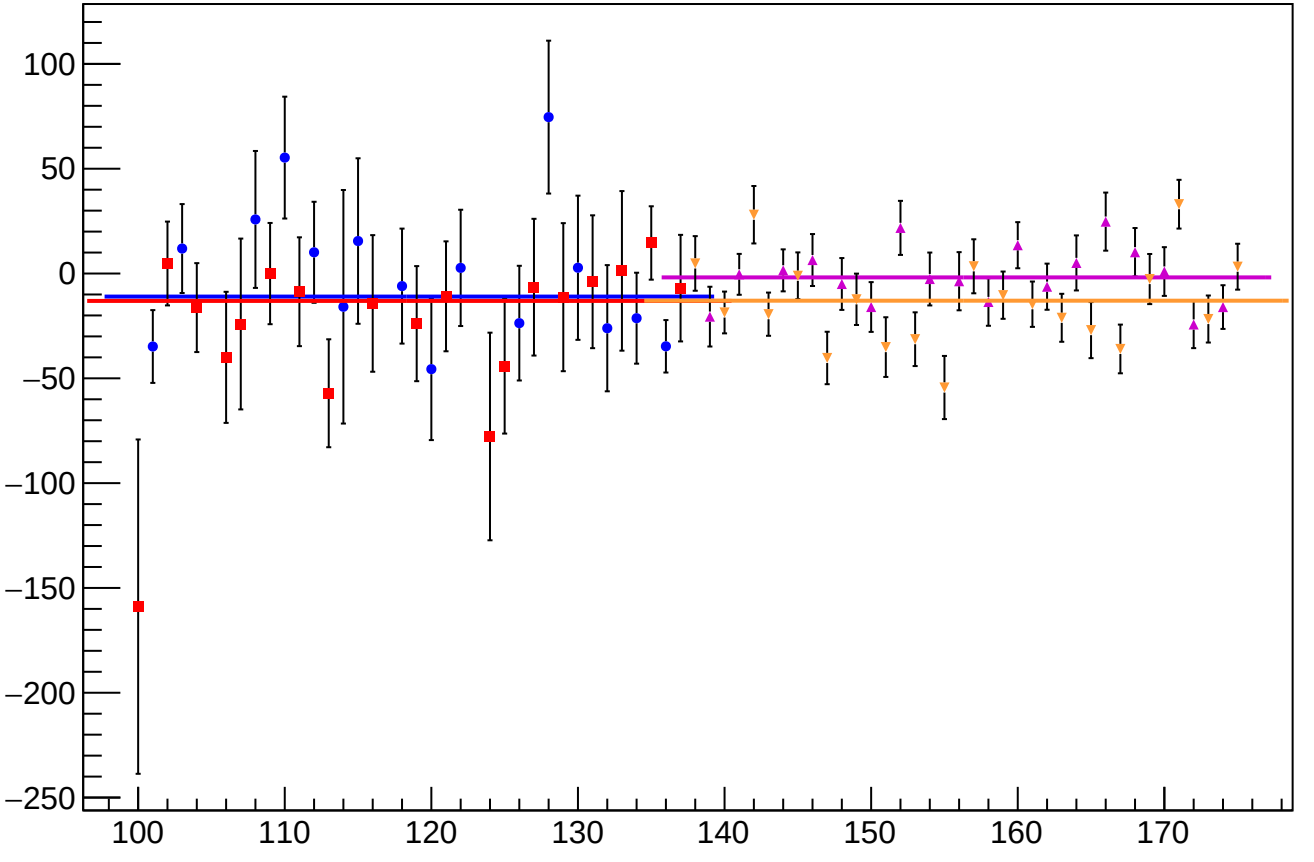
+ sign -2.619+/-5.009 χ^2/NDF: 43.9/35

All: -1.945+/-3.587 χ^2/NDF: 71.1/72

- sign -1.235+/-5.139 χ^2/NDF: 27.2/36


diff_bpmE_11X12X_rms vs Slug
40000
35000
30000
25000
20000
100
110
120
130
140
150
160
170
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 23869.159+/-4.337 χ²/NDF:1050623.7/19
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 24329.748+/-4.560 χ²/NDF:1144320.7/17
+ sign 23597.592+/-3.542 χ²/NDF: 1323838.7/35
All: 23745.399+/-2.536 χ²/NDF: 2589840.9/7
- sign 23900.999+/-3.634 χ²/NDF: 1262427.2/36

diff_bpm4aesumX_mean vs Slug



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -12.961+/-2.663 χ^2/NDF:55.9/19

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

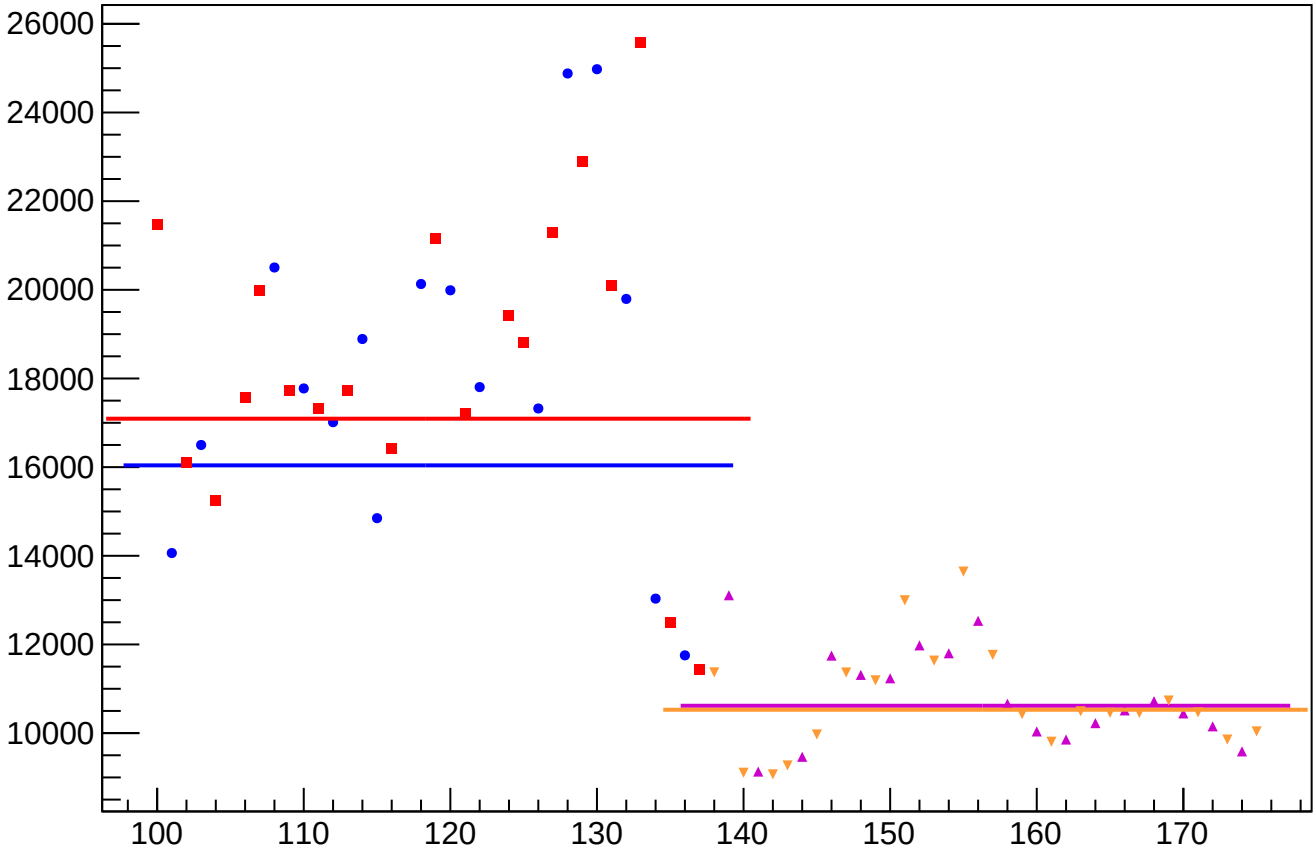
Left In: -1.848+/-2.771 χ^2/NDF:21.2/17

+ sign -12.652+/-2.444 χ^2/NDF: 78.0/35

All: -8.315+/-1.762 χ^2/NDF: 122.3/72

- sign -3.628+/-2.542 χ^2/NDF: 37.7/36

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10526.700+/-1.883 χ^2/NDF:321342.1/19

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

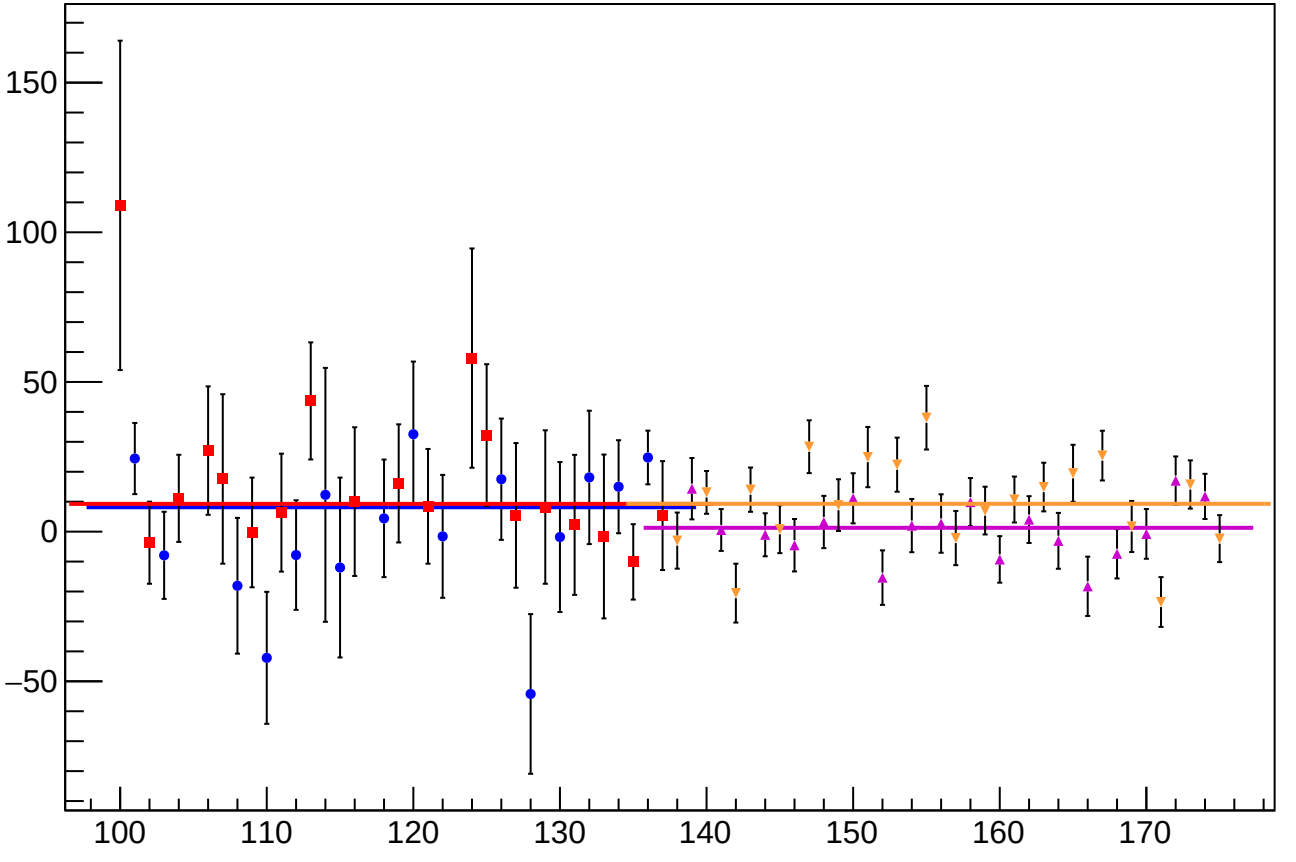
Left In: 10616.784+/-1.959 χ^2/NDF:280962.7/17

+ sign 11396.295+/-1.728 χ^2/NDF: 2395699.7/35

All: 11515.234+/-1.246 χ^2/NDF: 4954717.7/7

- sign 11643.811+/-1.797 χ^2/NDF: 2549164.0/36

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 9.297+/-1.897 χ^2/NDF:55.5/19

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

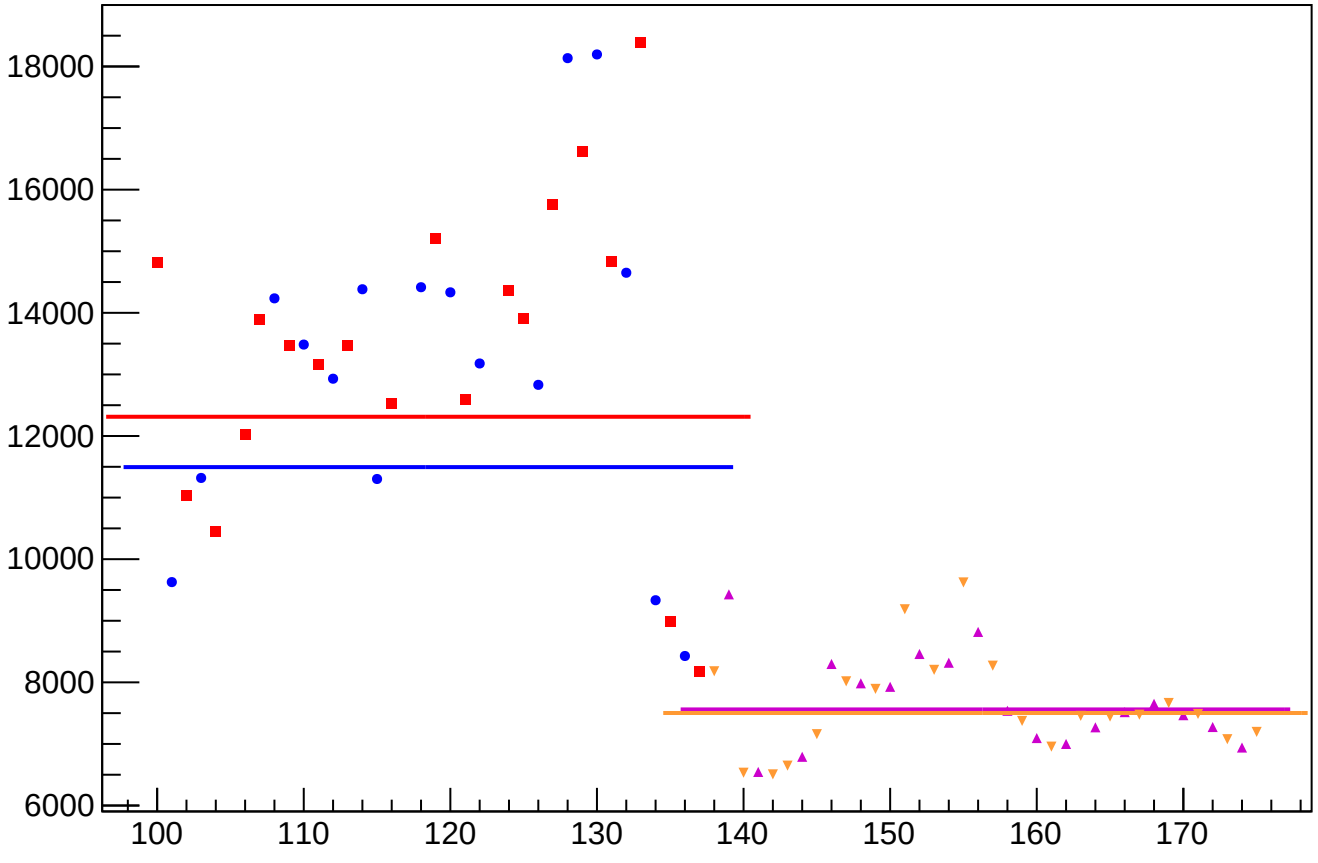
Left In: 1.281+/-1.972 χ^2/NDF:21.1/17

+ sign 9.119+/-1.744 χ^2/NDF: 77.4/35

All: 5.948+/-1.257 χ^2/NDF: 121.8/72

- sign 2.519+/-1.813 χ^2/NDF: 37.5/36

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7502.527+/-1.342 χ^2/NDF:291338.9/19

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

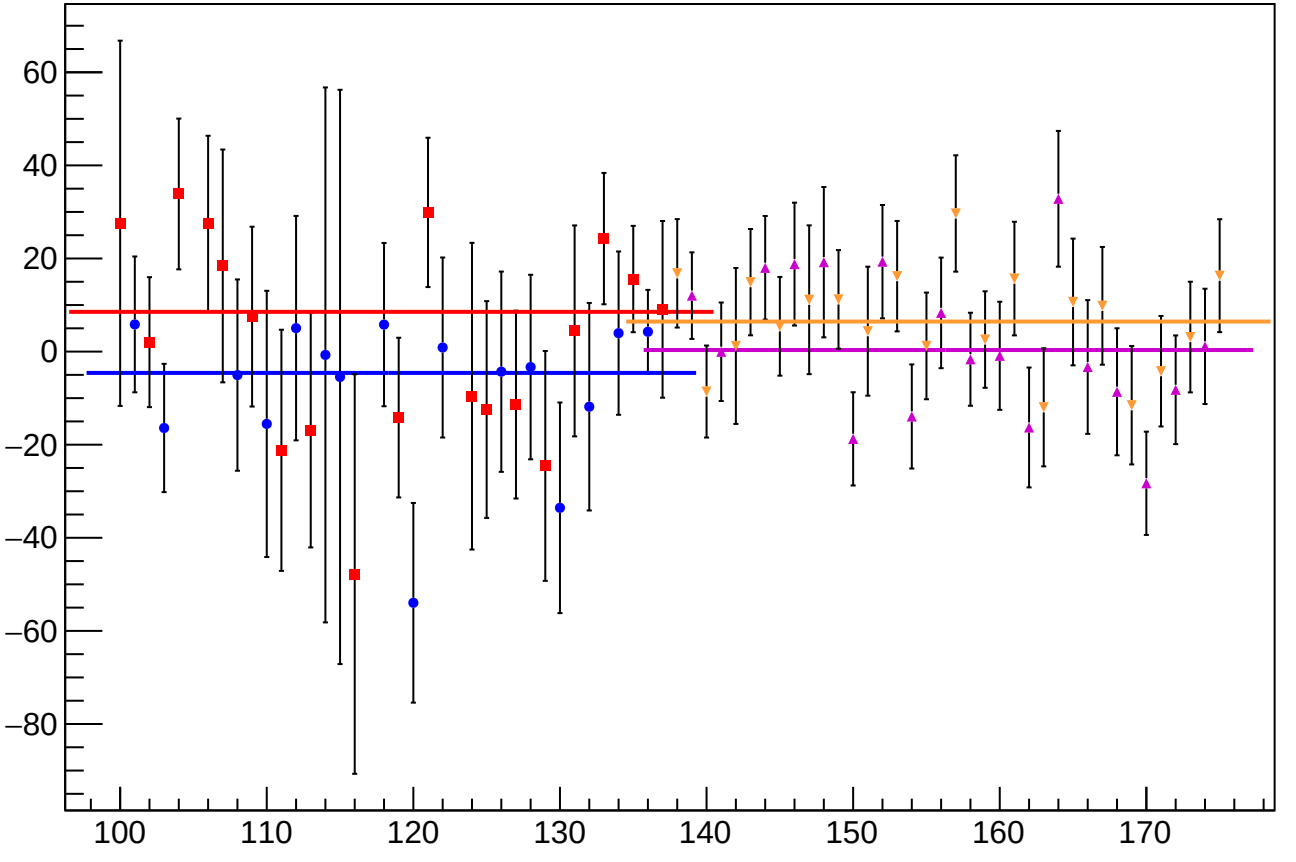
Left In: 7560.409+/-1.395 χ^2/NDF:257409.8/17

+ sign 8123.033+/-1.233 χ^2/NDF: 2457738.3/35

All: 8206.336+/-0.889 χ^2/NDF: 5121682.2/72

- sign 8296.414+/-1.282 χ^2/NDF: 2654442.6/36

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 6.451+/-2.693 χ^2/NDF:14.9/19

Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

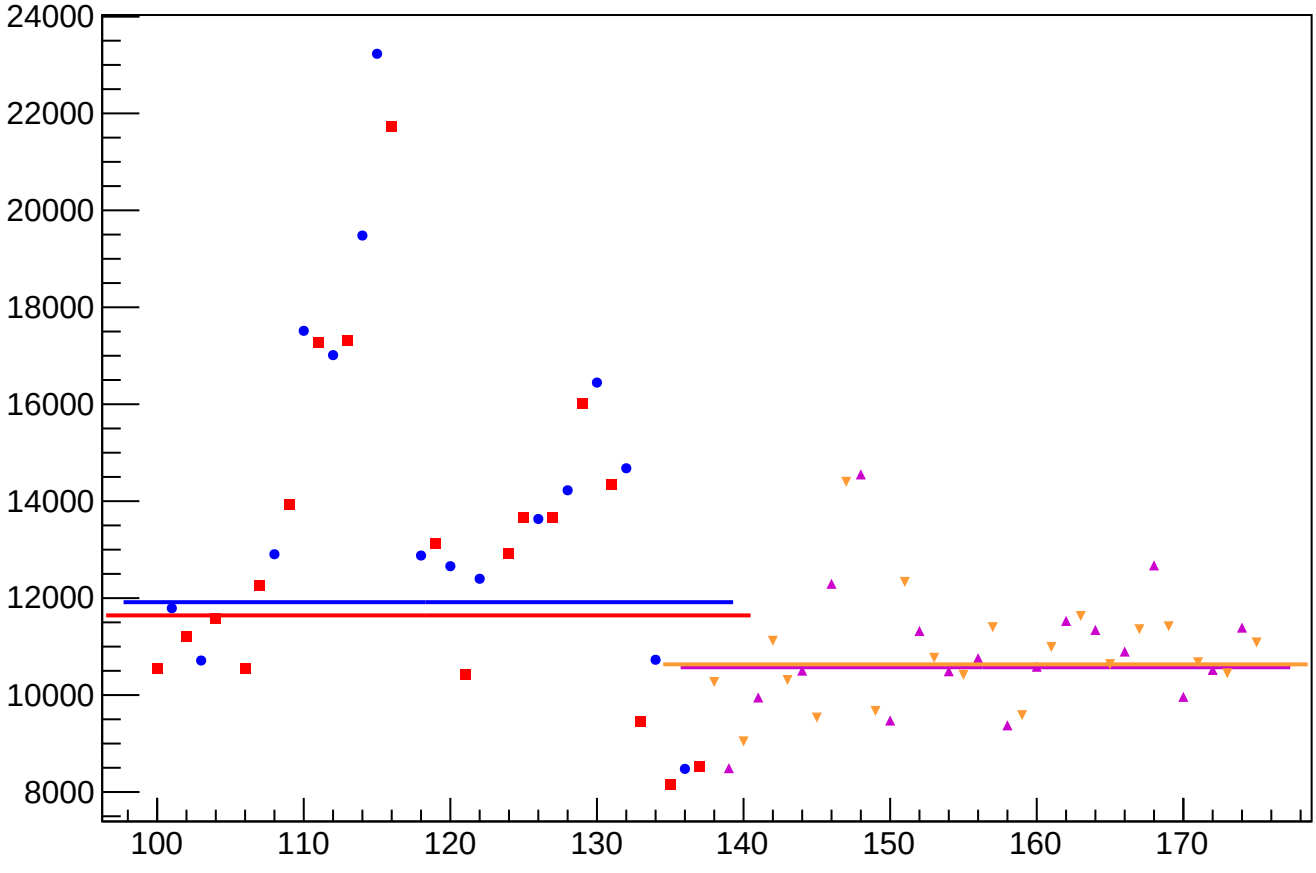
Left In: 0.337+/-2.770 χ^2/NDF:29.9/17

+ sign 3.594+/-2.318 χ^2/NDF: 29.5/35

All: 3.137+/-1.648 χ^2/NDF: 79.2/72

- sign 2.671+/-2.343 χ^2/NDF: 49.6/36

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10633.668+/-1.904 χ^2/NDF:296580.3/19

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

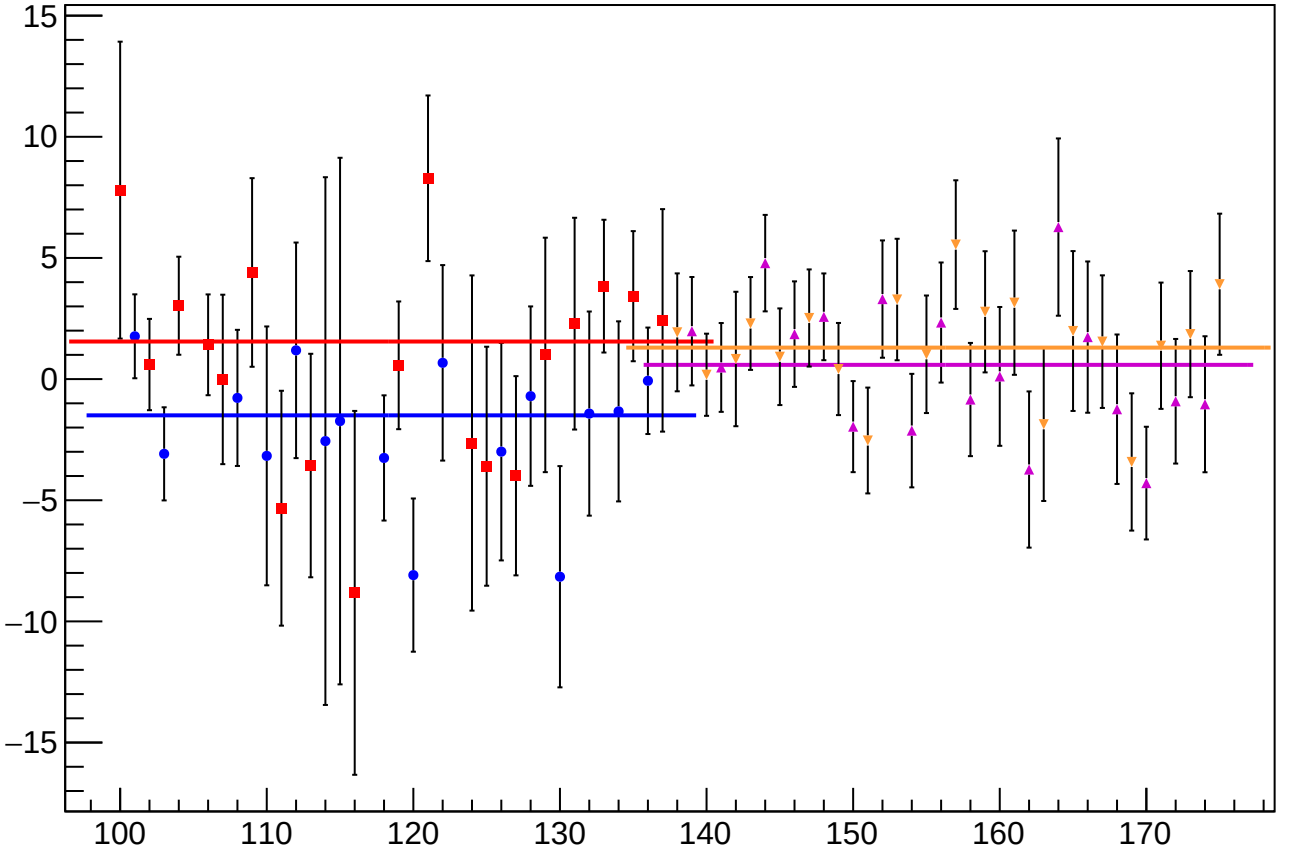
Left In: 10574.233+/-1.959 χ^2/NDF:403462.7/17

+ sign 10965.921+/-1.639 χ^2/NDF: 1163920.1/35

All: 10922.719+/-1.165 χ^2/NDF: 2443963.2/7

- sign 10878.566+/-1.657 χ^2/NDF: 1278638.1/36

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.299+/-0.534 χ^2/NDF:13.1/19

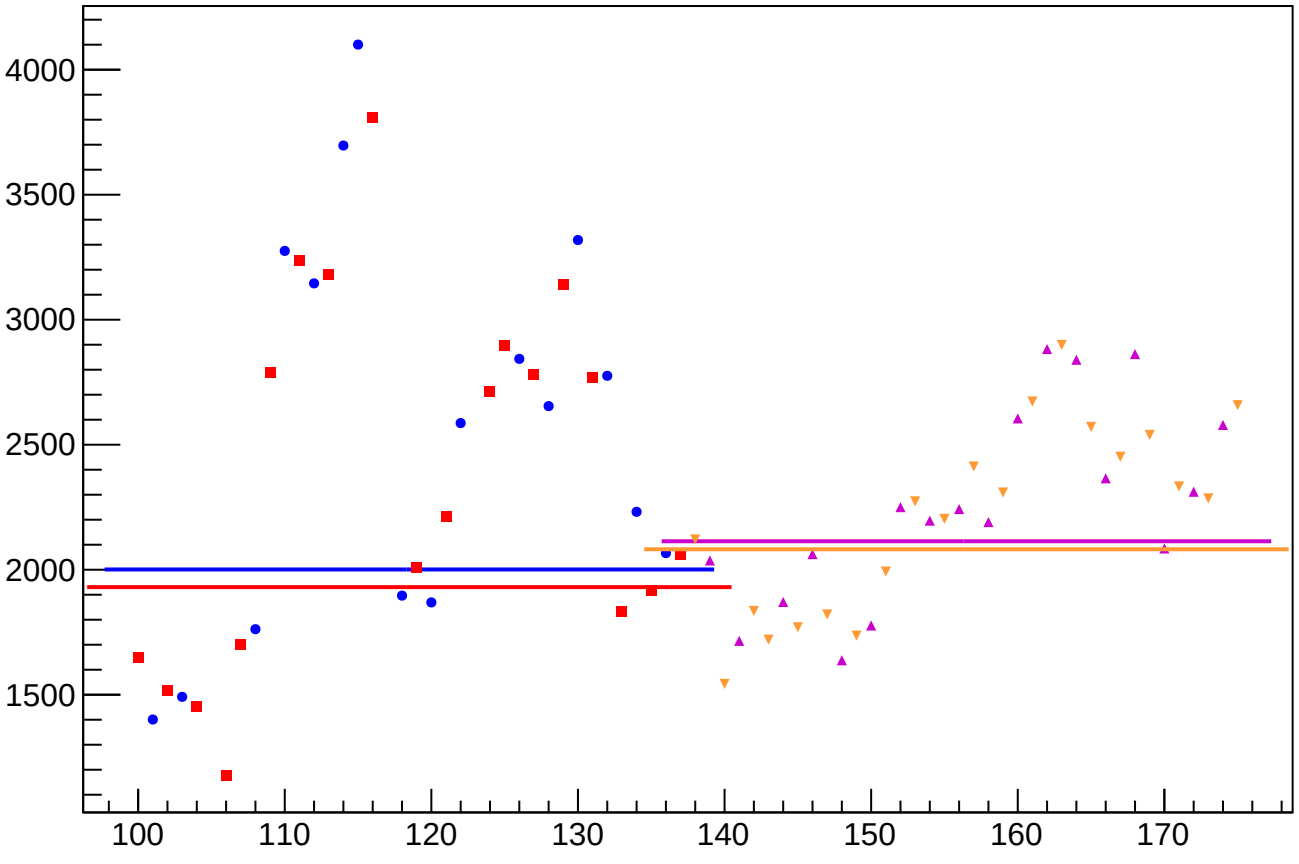
Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: 0.588+/-0.557 χ^2/NDF:21.5/17

+ sign 0.405+/-0.440 χ^2/NDF: 34.5/35

All: 0.666+/-0.313 χ^2/NDF: 74.1/72

- sign 0.934+/-0.446 χ^2/NDF: 38.9/36



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2081.818+/-0.377 χ^2/NDF:959611.5/19

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

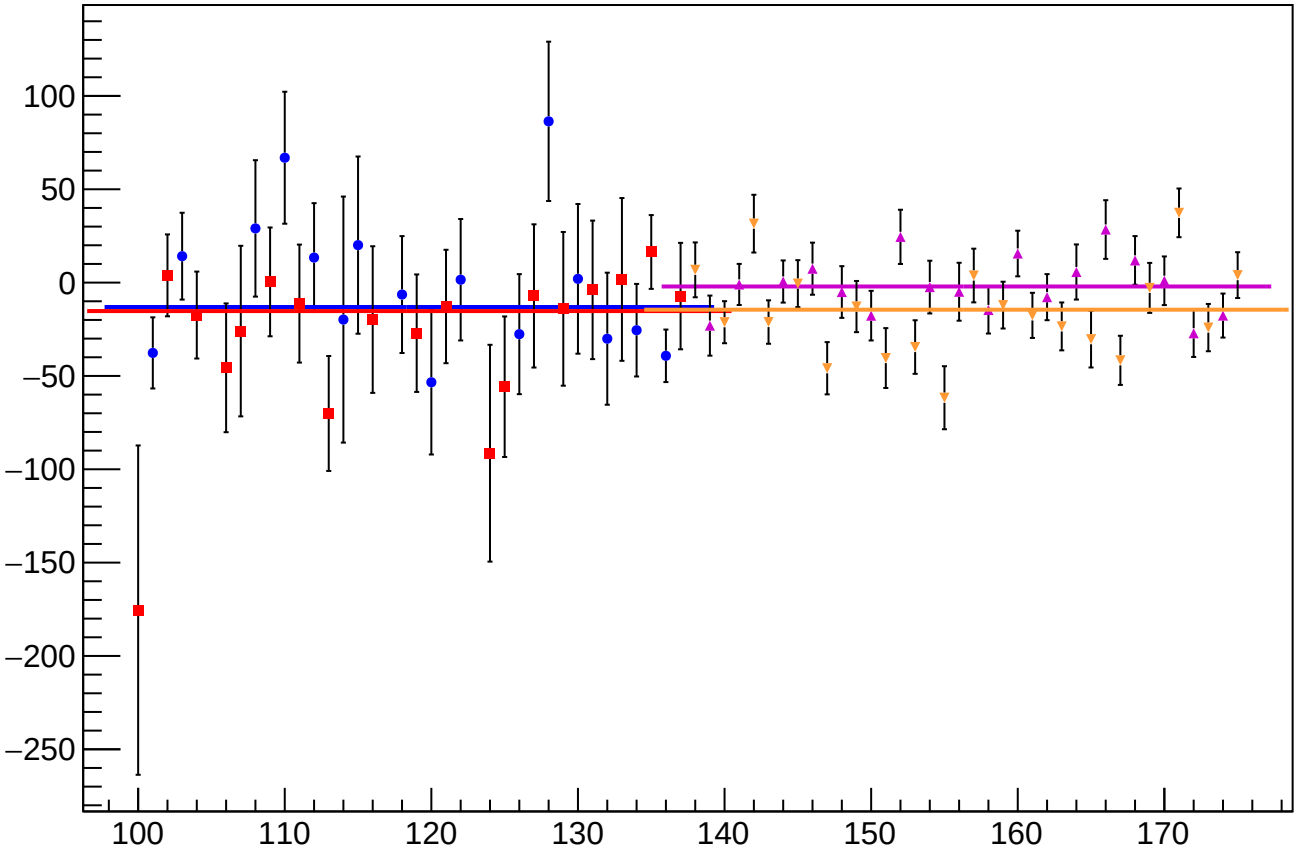
Left In: 2113.800+/-0.394 χ^2/NDF:799107.1/17

+ sign 2055.972+/-0.311 χ^2/NDF: 2164066.0/35

All: 2052.008+/-0.222 χ^2/NDF: 4444792.0/72

- sign 2047.934+/-0.316 χ^2/NDF: 2280396.9/36

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -14.508+/-2.993 χ^2/NDF:57.3/19

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

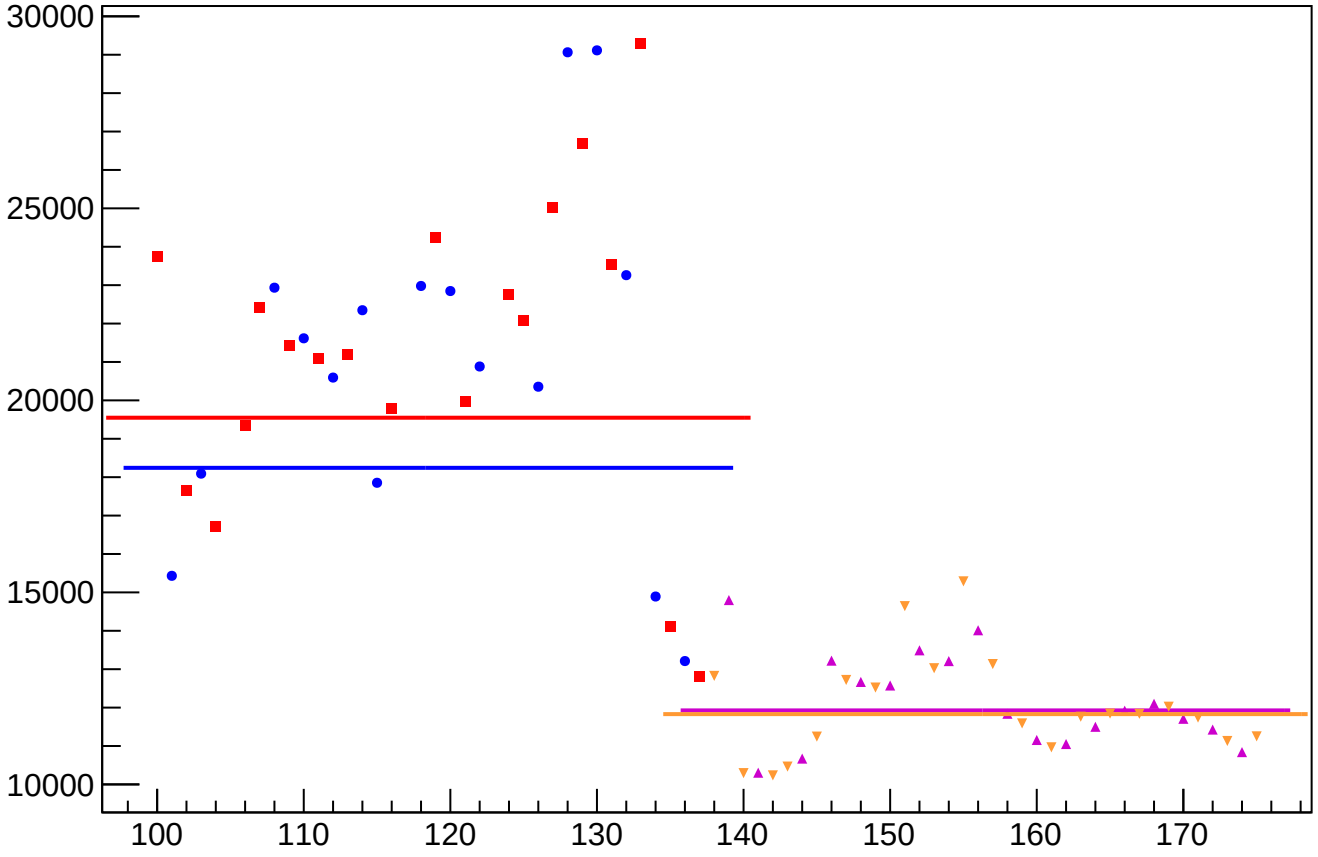
Left In: -2.076+/-3.112 χ^2/NDF:21.2/17

+ sign -14.286+/-2.753 χ^2/NDF: 79.2/35

All: -9.391+/-1.985 χ^2/NDF: 124.1/72

- sign -4.093+/-2.864 χ^2/NDF: 38.3/36

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11830.331+/-2.116 χ^2/NDF:310415.7/19

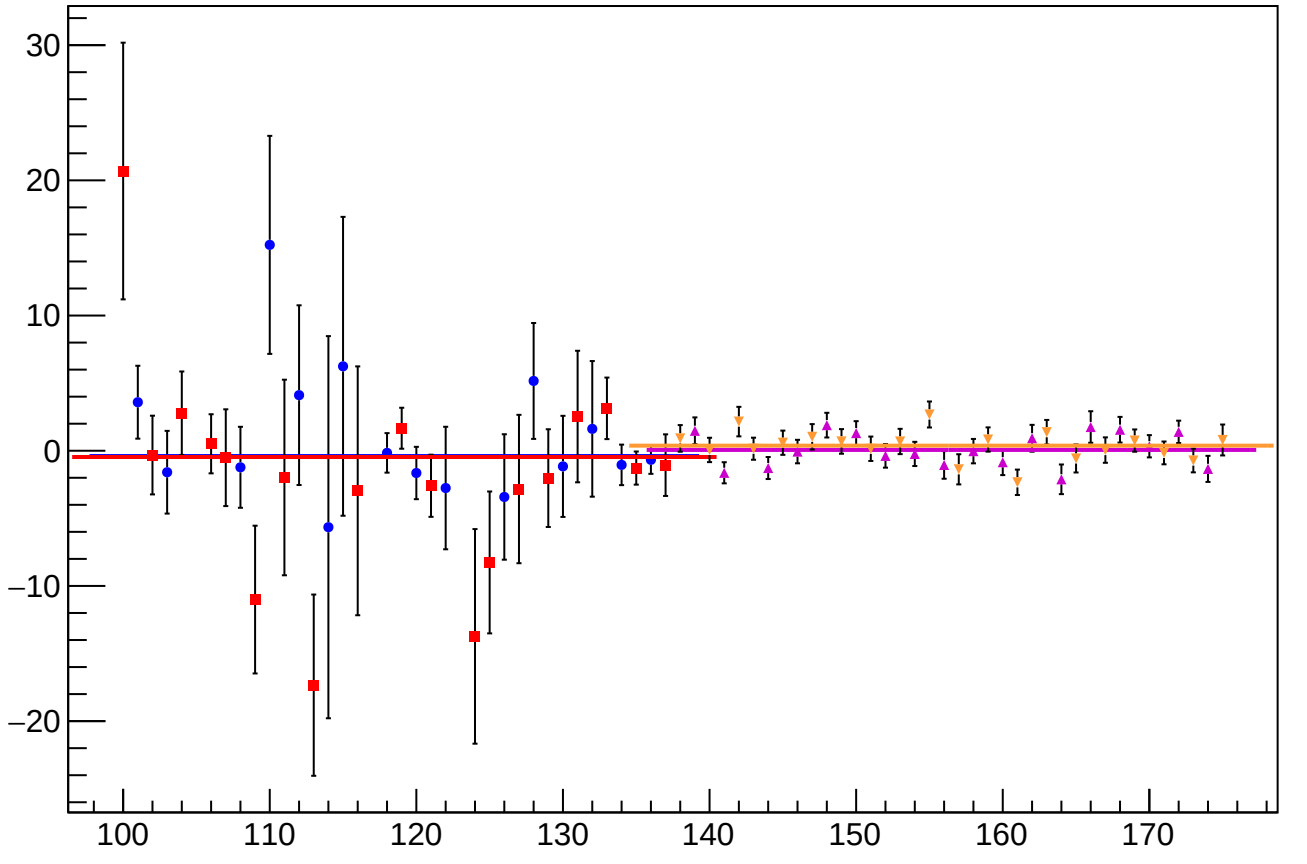
Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 11926.929+/-2.201 χ^2/NDF:276265.4/17

+ sign 12815.083+/-1.947 χ^2/NDF: 2540470.7/35

All: 12948.874+/-1.404 χ^2/NDF: 5284181.4/

- sign 13093.663+/-2.025 χ^2/NDF: 2733877.9/36



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.376+/-0.208 χ^2/NDF:25.2/19

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

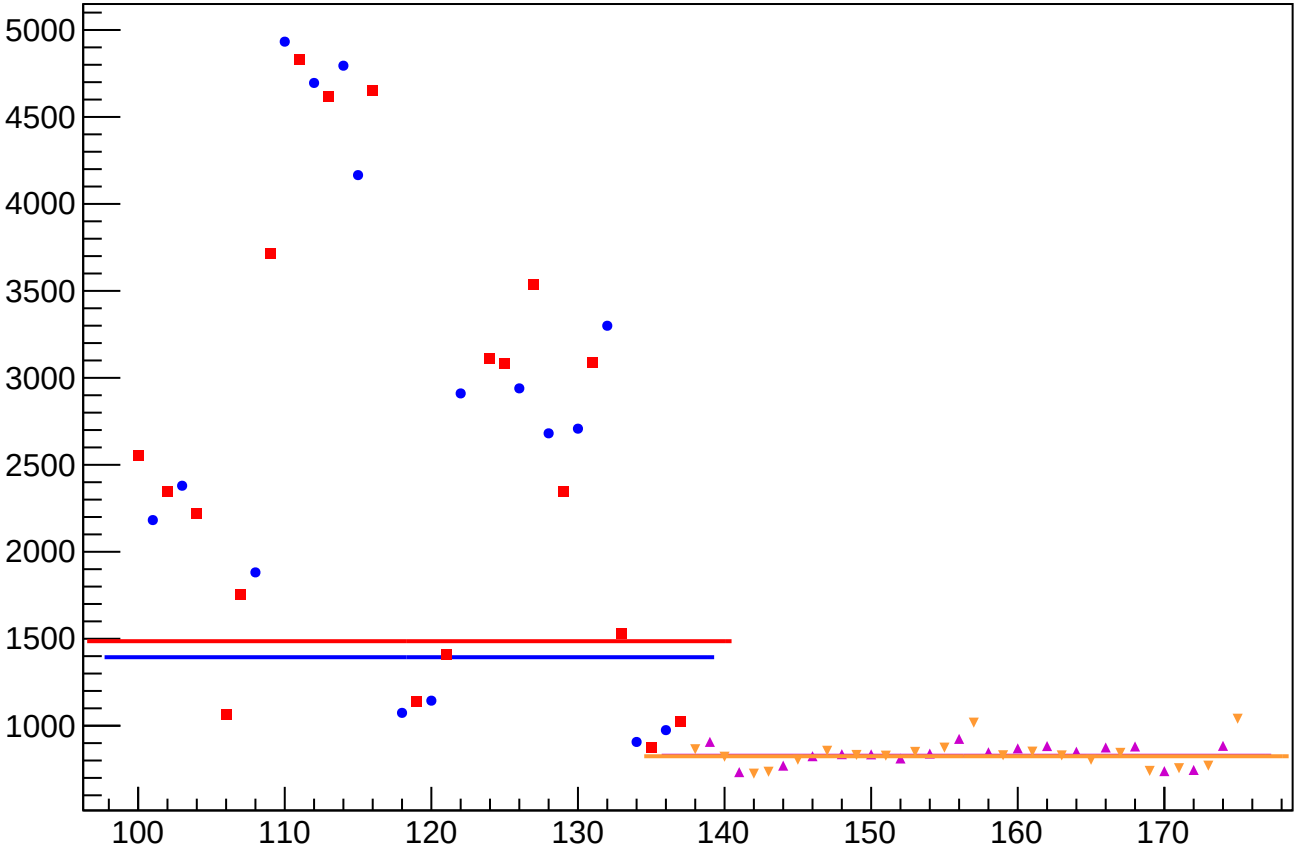
Left In: 0.060+/-0.216 χ^2/NDF:32.0/17

+ sign 0.293+/-0.197 χ^2/NDF: 37.1/35

All: 0.155+/-0.142 χ^2/NDF: 98.9/72

- sign 0.005+/-0.204 χ^2/NDF: 60.7/36

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 824.495+/-0.147 χ^2/NDF:230410.7/19

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

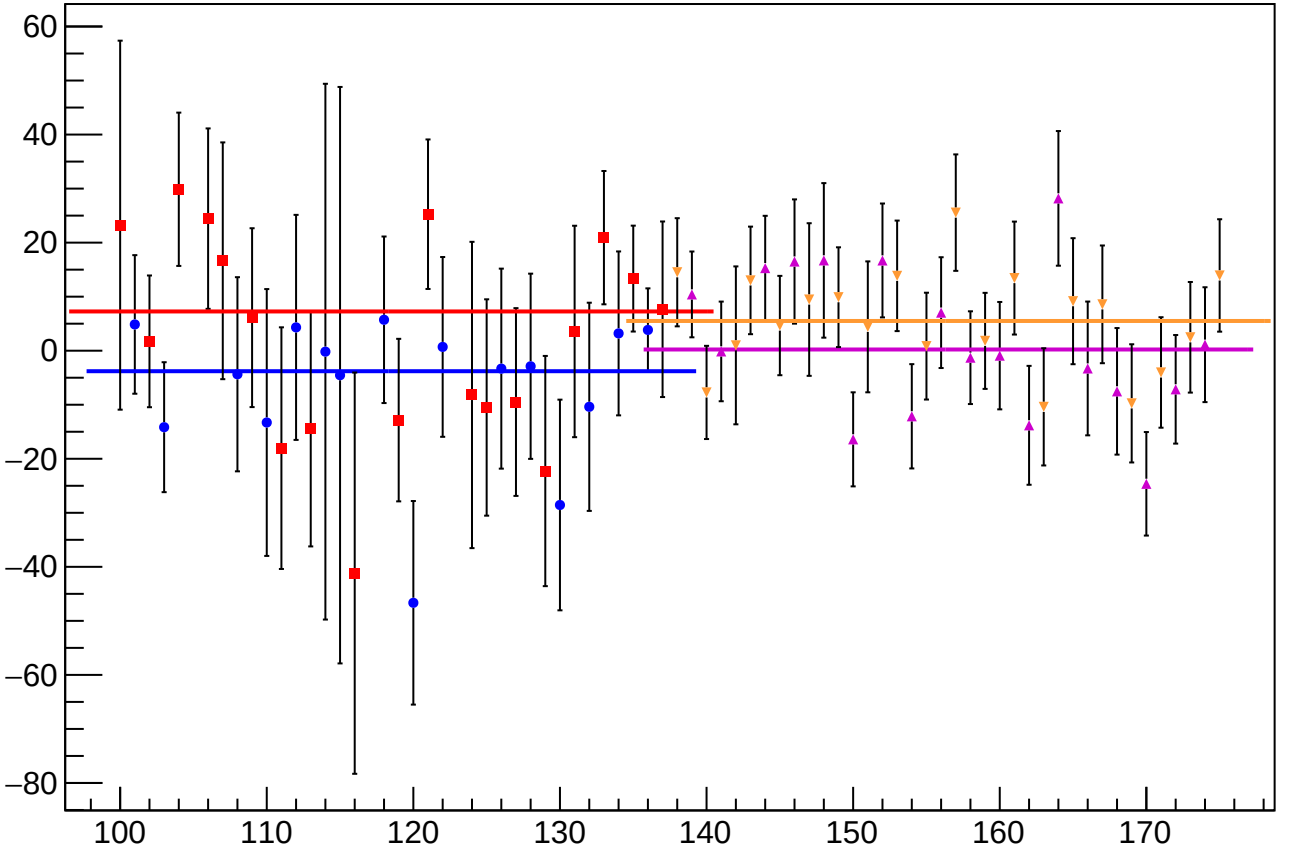
Left In: 827.476+/-0.152 χ^2/NDF:142547.3/17

+ sign 885.722+/-0.139 χ^2/NDF: 5218326.8/35

All: 890.539+/-0.100 χ^2/NDF: 10696869.5/72

- sign 895.719+/-0.144 χ^2/NDF: 5476055.9/36

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.502+/-2.326 χ^2/NDF:15.1/19

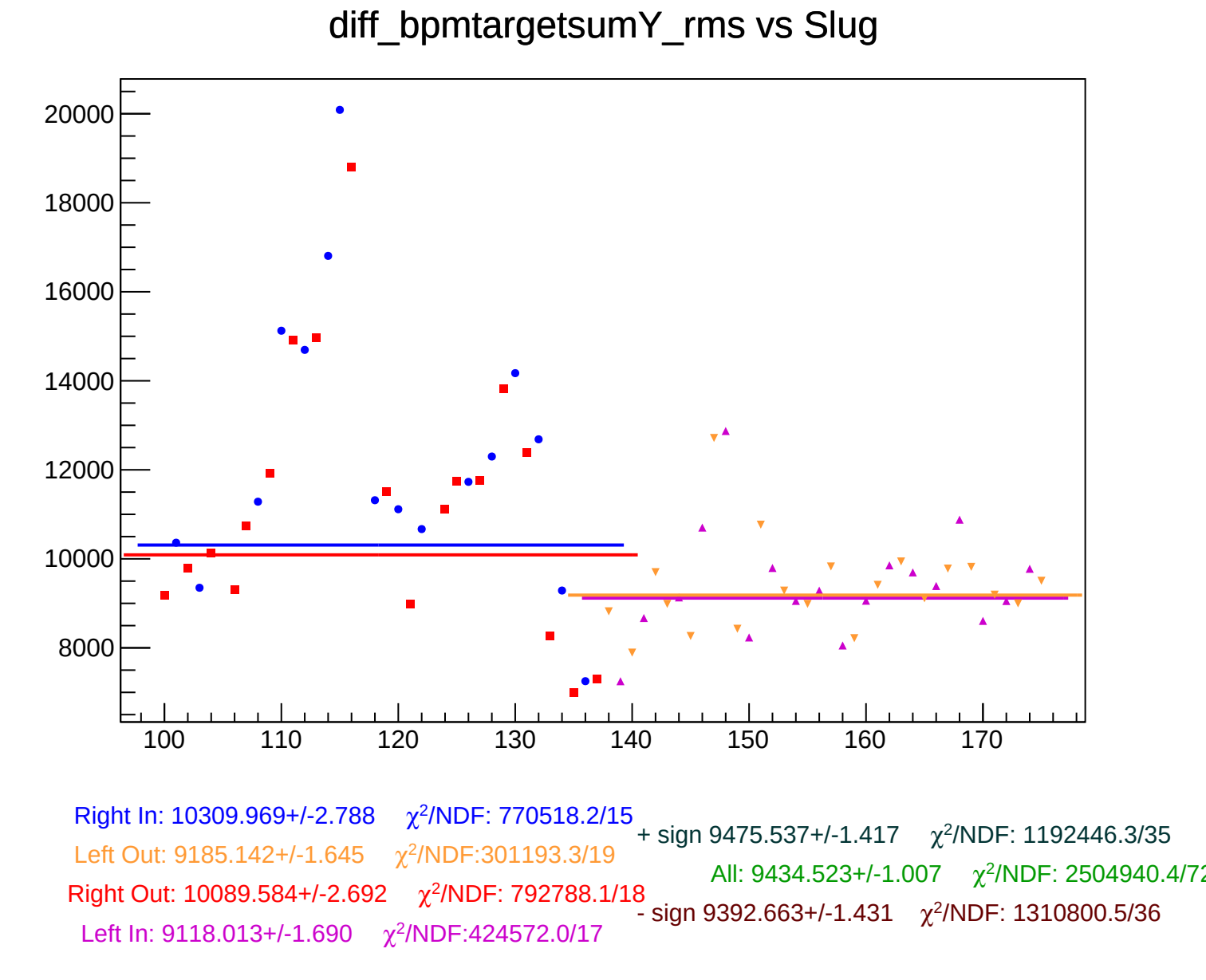
Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: 0.224+/-2.390 χ^2/NDF:30.1/17

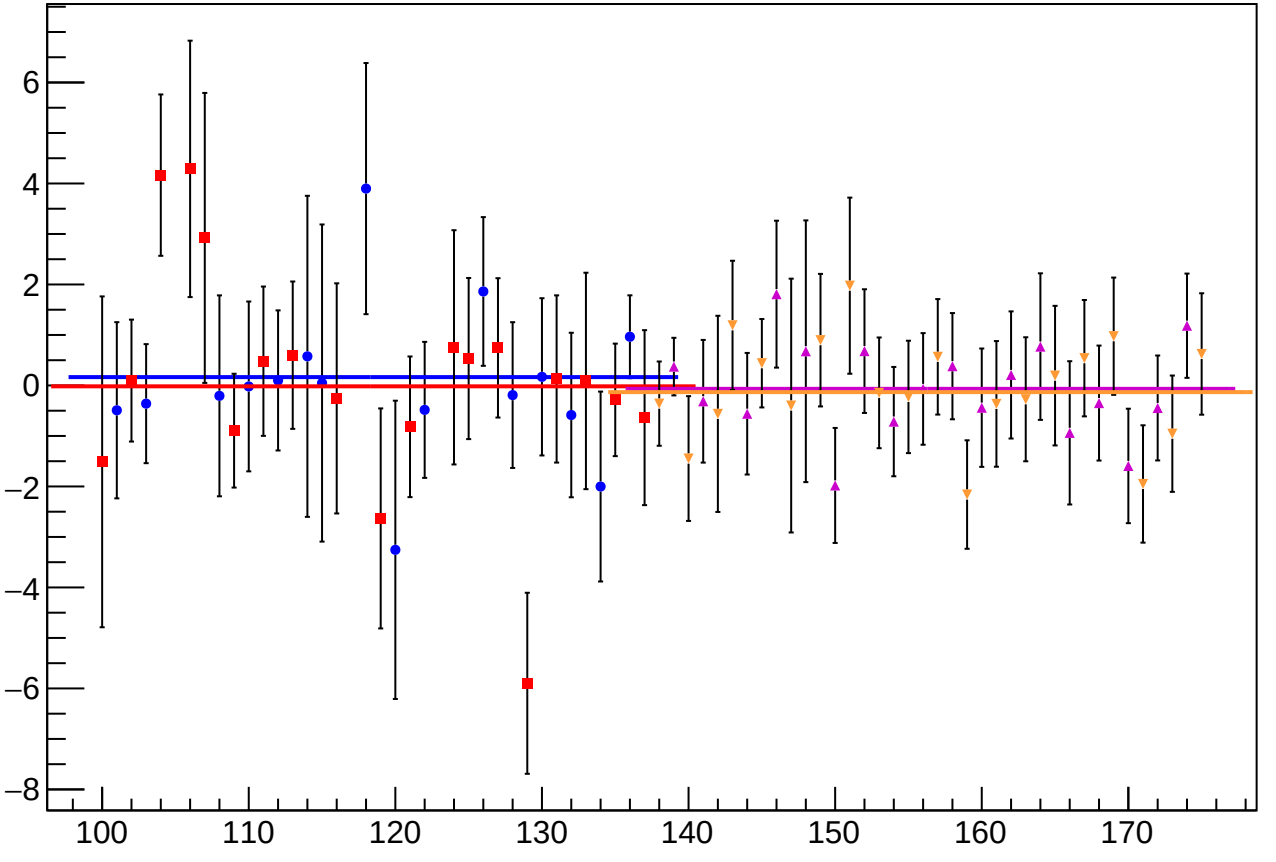
+ sign 3.102+/-2.003 χ^2/NDF: 29.3/35

All: 2.662+/-1.424 χ^2/NDF: 79.2/72

- sign 2.214+/-2.024 χ^2/NDF: 49.8/36


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: 9185.142+/-1.645 χ²/NDF:301193.3/19
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 9118.013+/-1.690 χ²/NDF:424572.0/17
+ sign 9475.537+/-1.417 χ²/NDF: 1192446.3/35
All: 9434.523+/-1.007 χ²/NDF: 2504940.4/72
- sign 9392.663+/-1.431 χ²/NDF: 1310800.5/36

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.132+/-0.266 χ^2/NDF:13.5/19

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

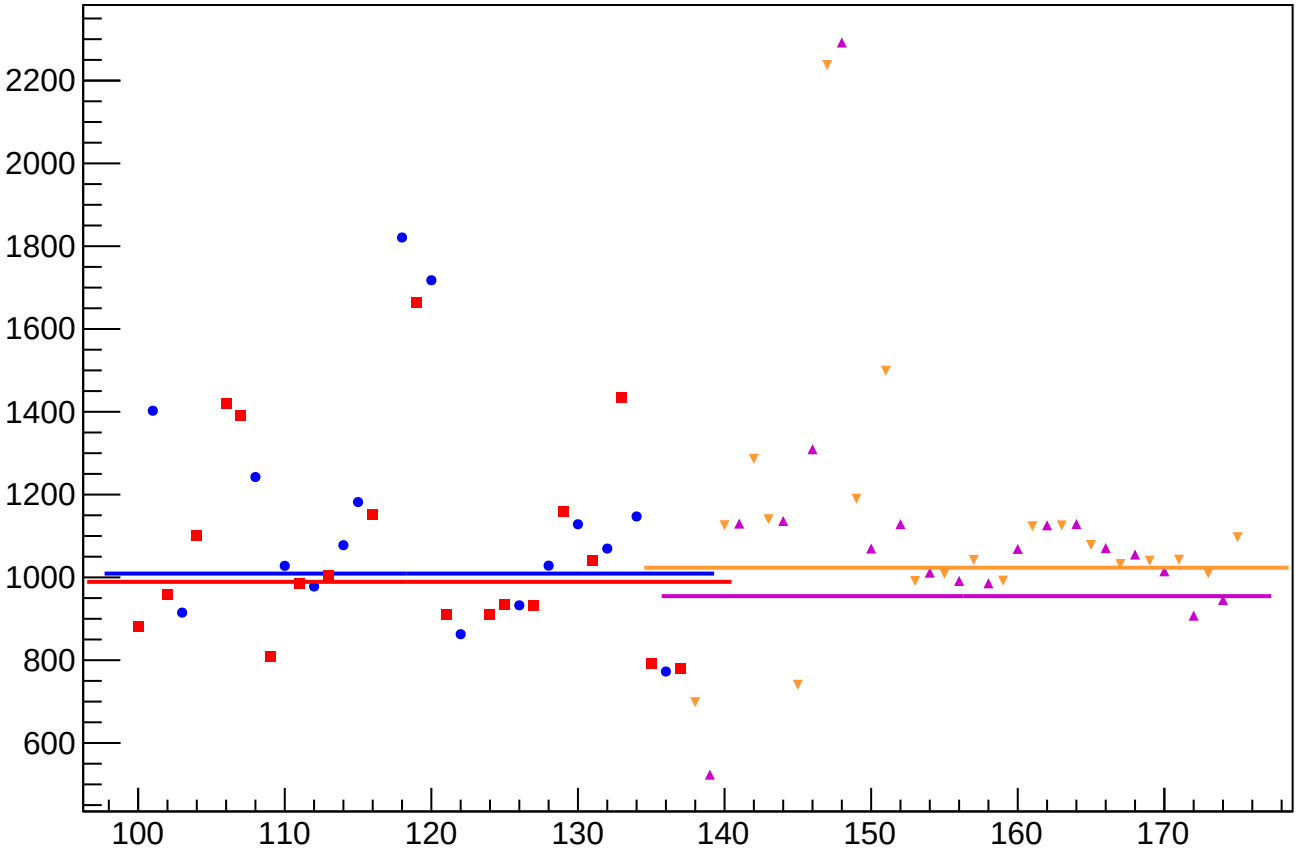
Left In: -0.067+/-0.260 χ^2/NDF:10.6/17

+ sign -0.036+/-0.219 χ^2/NDF: 22.0/35

All: -0.044+/-0.153 χ^2/NDF: 57.8/72

- sign -0.051+/-0.213 χ^2/NDF: 35.8/36

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1023.436+/-0.188 χ^2/NDF:1270566.7/19

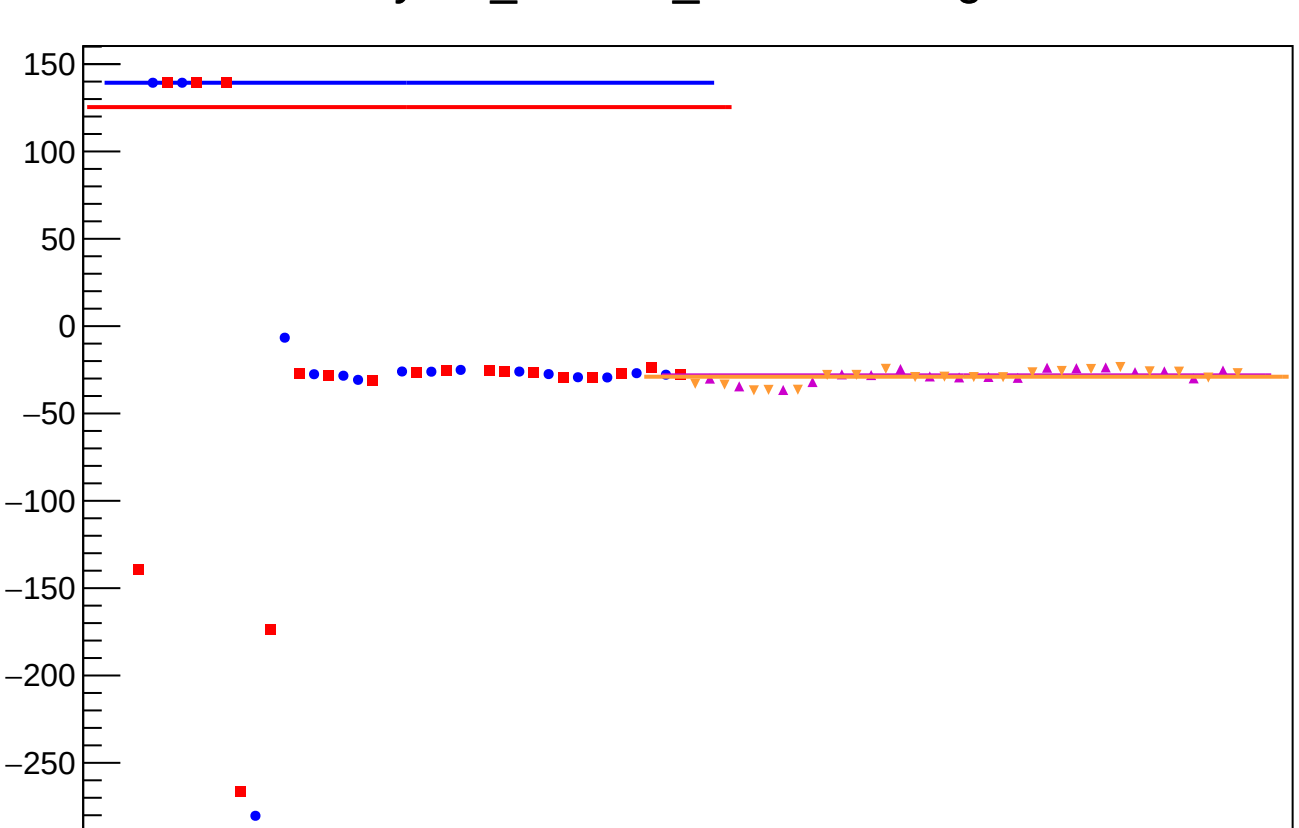
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 954.722+/-0.184 χ^2/NDF:2075686.2/17

+ sign 1018.863+/-0.155 χ^2/NDF: 1971707.2/35

All: 991.698+/-0.108 χ^2/NDF: 4694505.2/72

- sign 966.028+/-0.151 χ^2/NDF: 2663016.5/36



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -28.957+/-0.000 χ^2/NDF:137086866.6/19

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

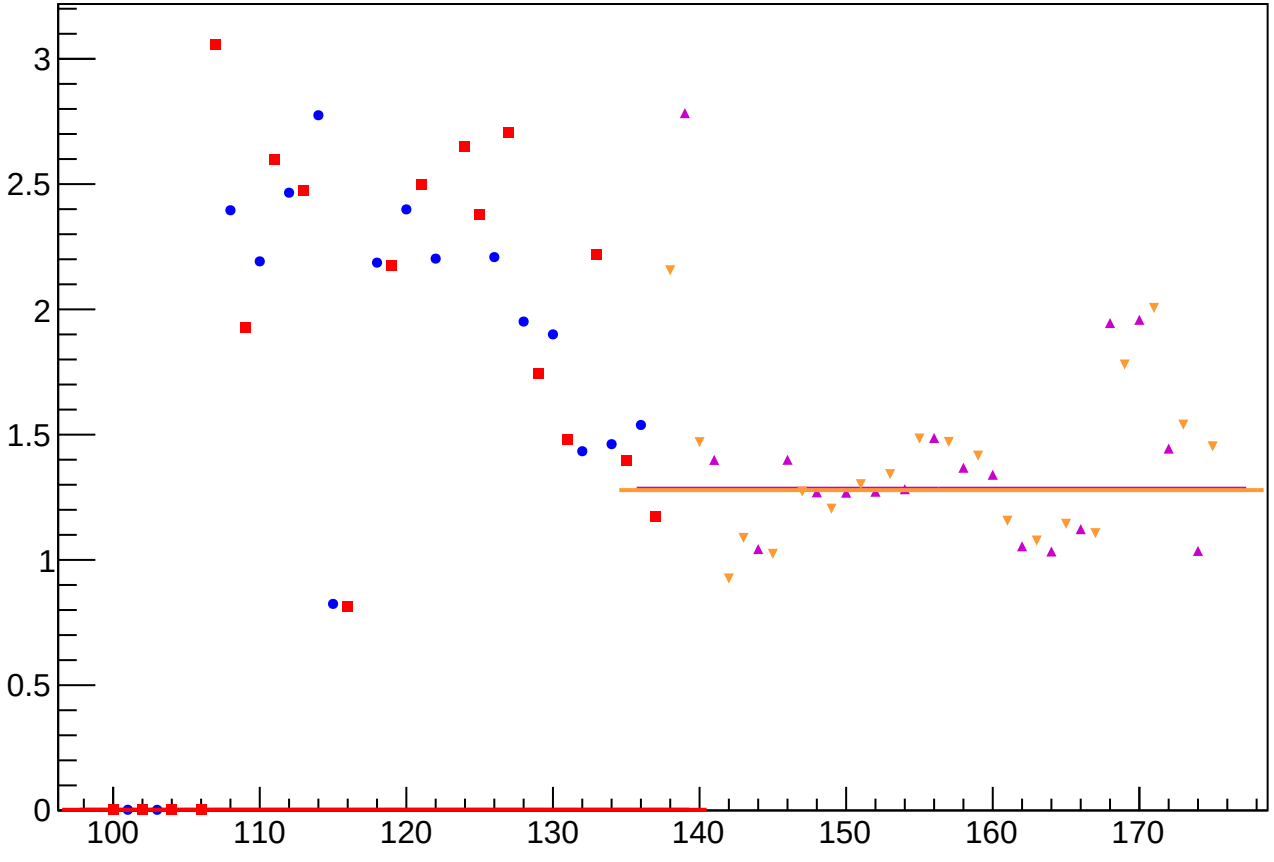
Left In: -28.178+/-0.000 χ^2/NDF:103470009.0/17

+ sign 139.330+/-0.000 χ^2/NDF: 261260798360.7/3

All: 131.812+/-0.000 χ^2/NDF: 79338052497

- sign 125.387+/-0.000 χ^2/NDF: 774339004210804

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.279+/-0.000 χ^2/NDF:954553.7/19

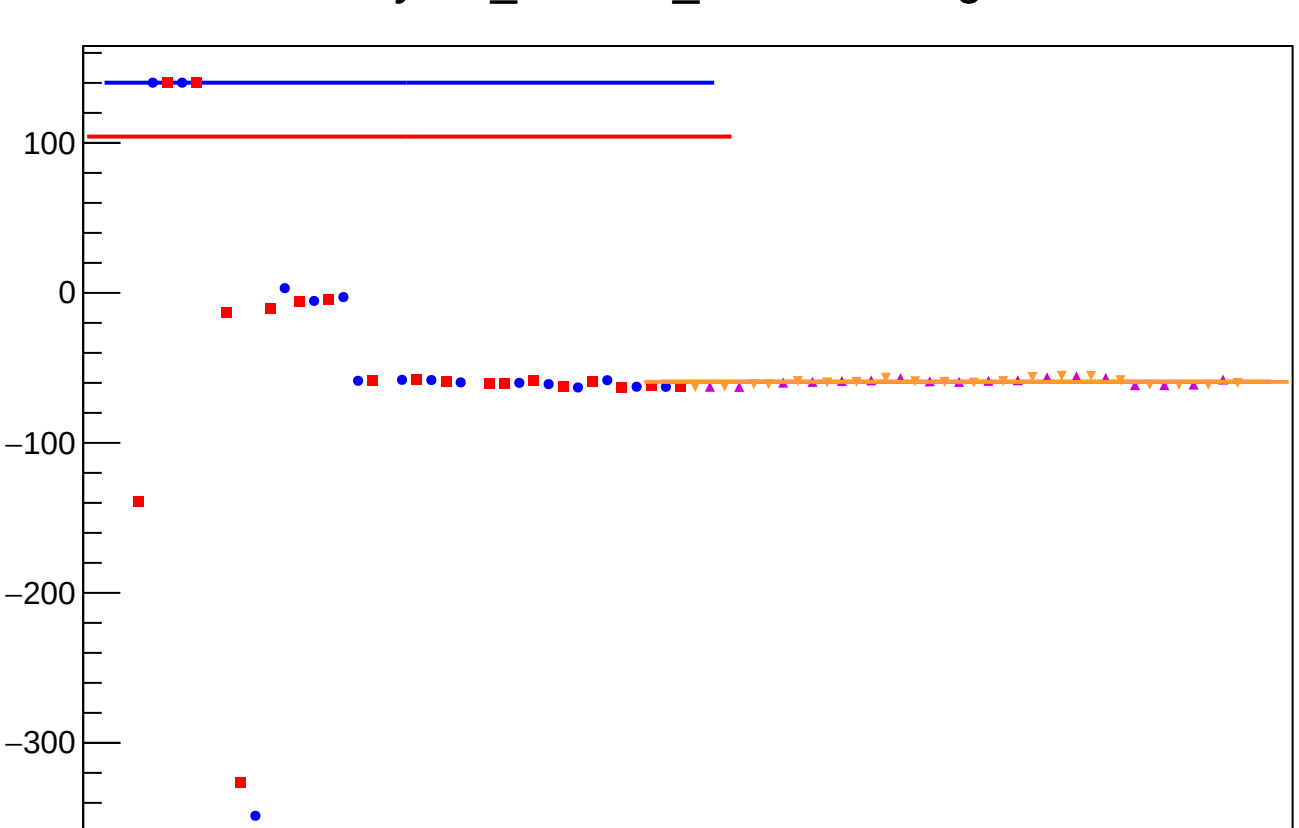
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.284+/-0.000 χ^2/NDF:1160738.6/17

+ sign 0.003+/-0.000 χ^2/NDF: 35126670.1/35

All: 0.003+/-0.000 χ^2/NDF: 69114301.7/72

- sign 0.003+/-0.000 χ^2/NDF: 33987296.4/36



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -59.300+/-0.000 χ^2/NDF:149432856.5/19

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

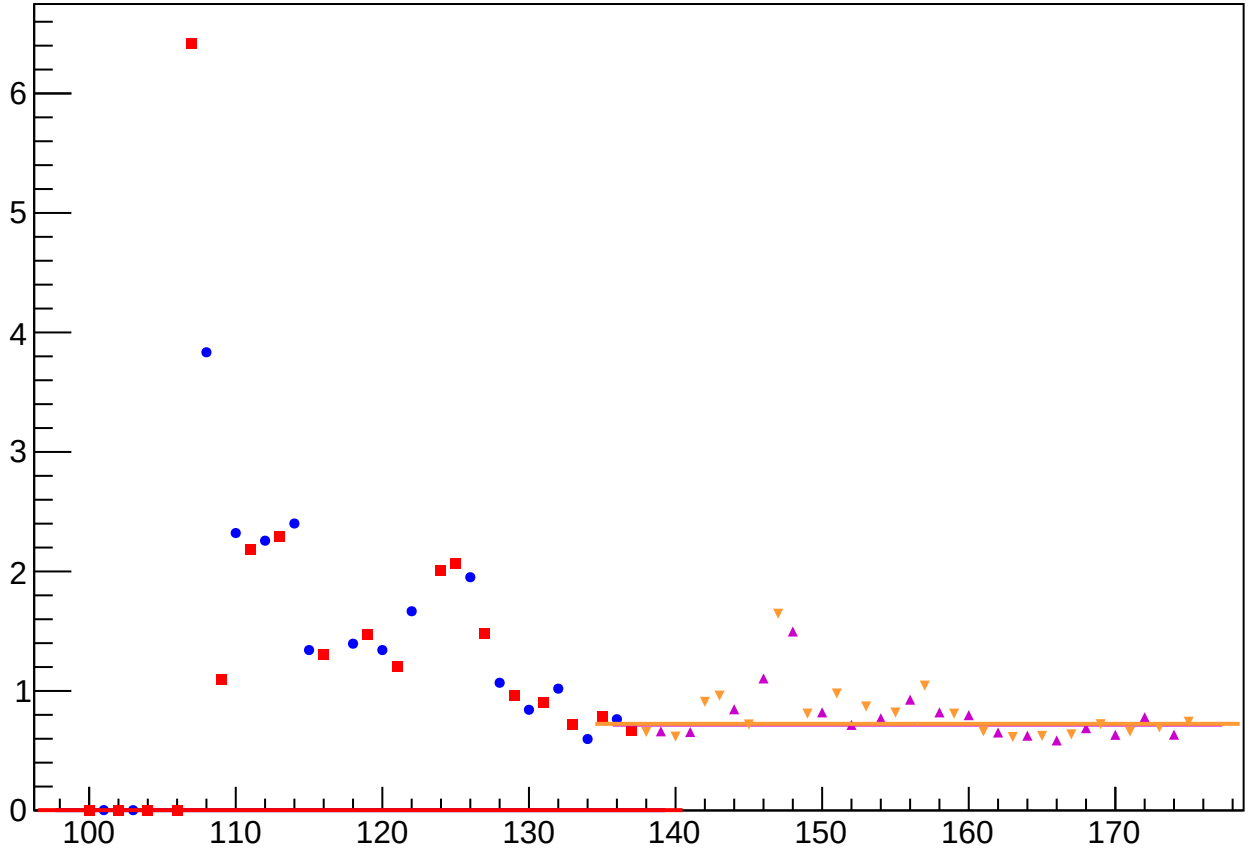
Left In: -59.228+/-0.000 χ^2/NDF:127604198.9/17

+ sign 140.116+/-0.000 χ^2/NDF: 1161492638774.1

All: 120.809+/-0.000 χ^2/NDF: 13824511501

- sign 104.206+/-0.000 χ^2/NDF: 125802890318619

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.725+/-0.000 χ^2/NDF:1031864.8/19

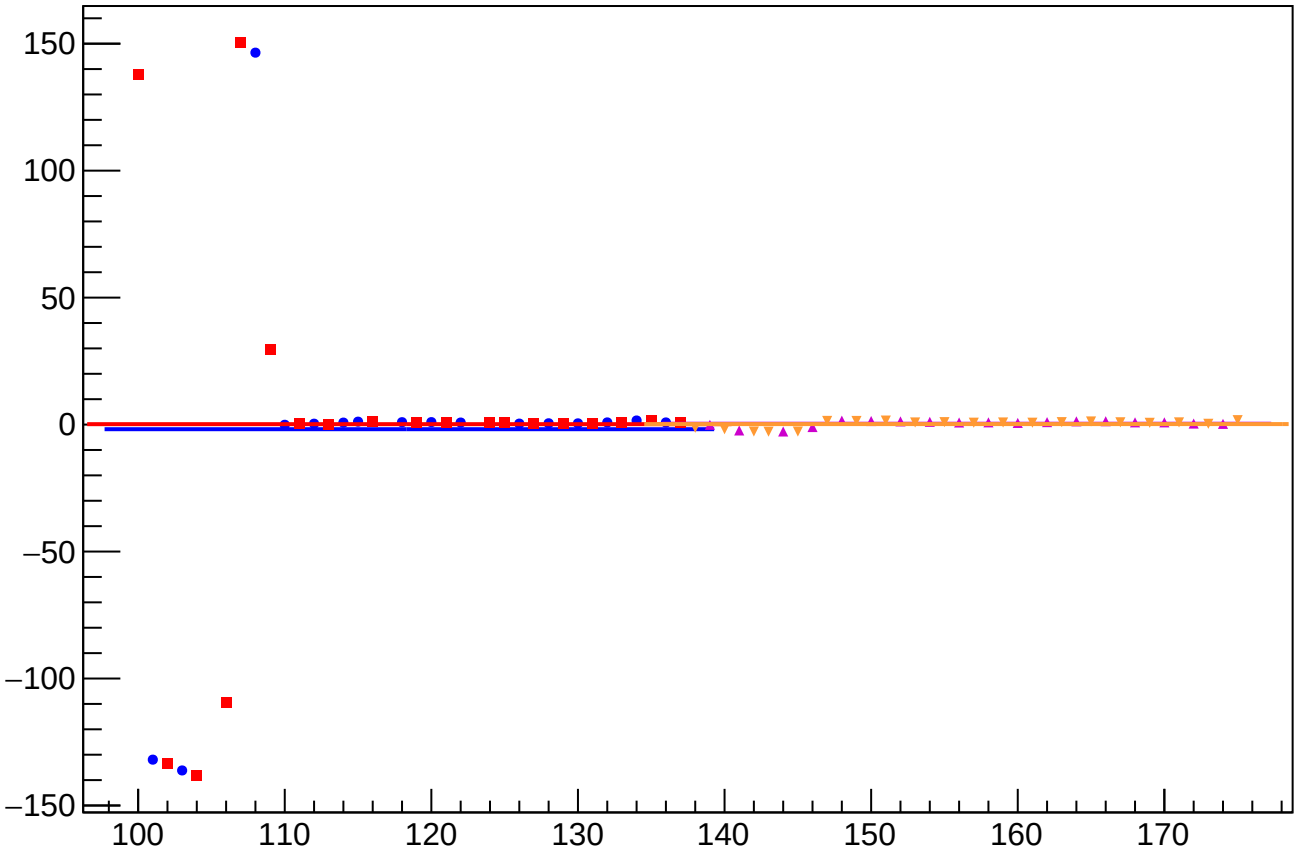
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.719+/-0.000 χ^2/NDF:878648.9/17

+ sign 0.003+/-0.000 χ^2/NDF: 37146720.5/35

All: 0.003+/-0.000 χ^2/NDF: 72349779.0/72

- sign 0.003+/-0.000 χ^2/NDF: 35202559.8/36



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.197+/-0.000 χ^2/NDF:107225910.2/19

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

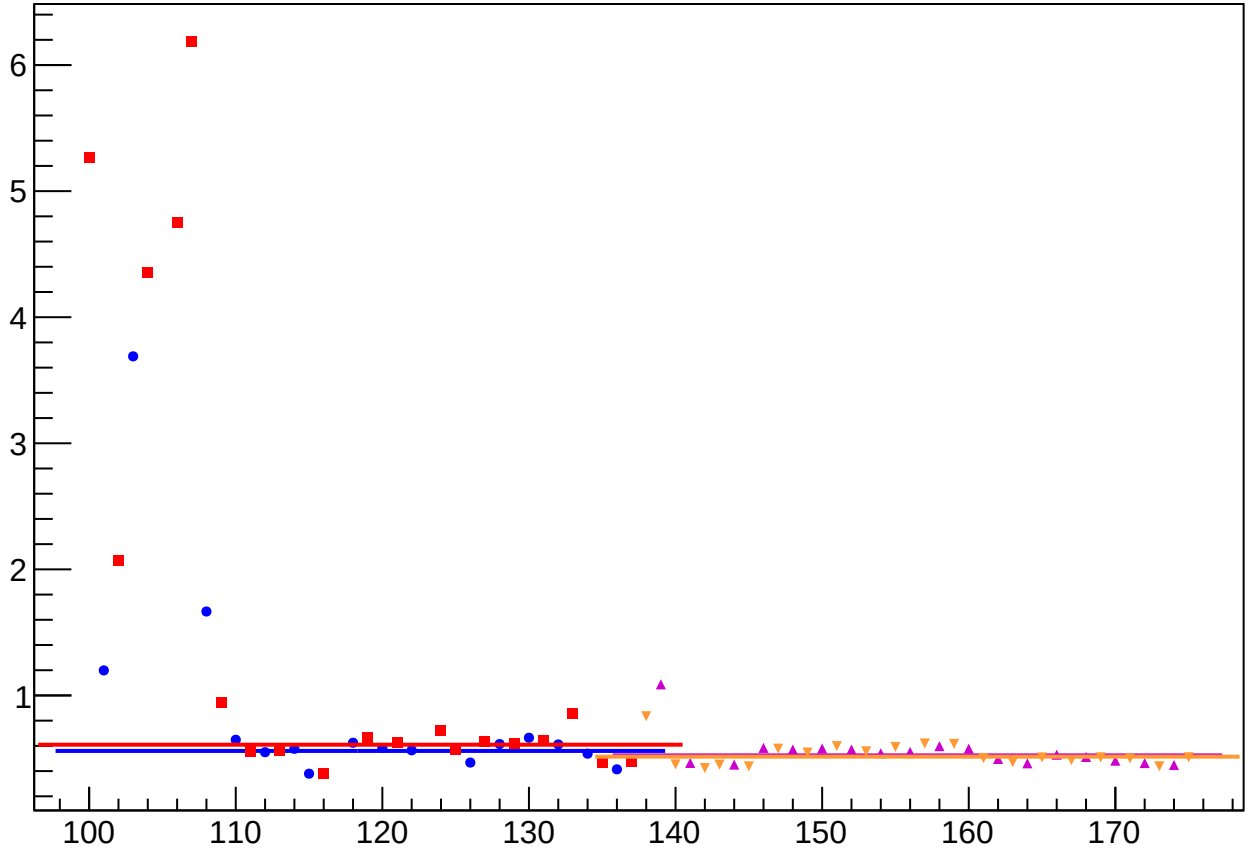
Left In: 0.343+/-0.000 χ^2/NDF:70224761.6/17

+ sign -0.311+/-0.000 χ^2/NDF: 10043366736.0/35

All: -0.024+/-0.000 χ^2/NDF: 13736391459.6/

- sign 0.300+/-0.000 χ^2/NDF: 3681792968.7/36

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.514+/-0.000 χ^2/NDF:518646.8/19

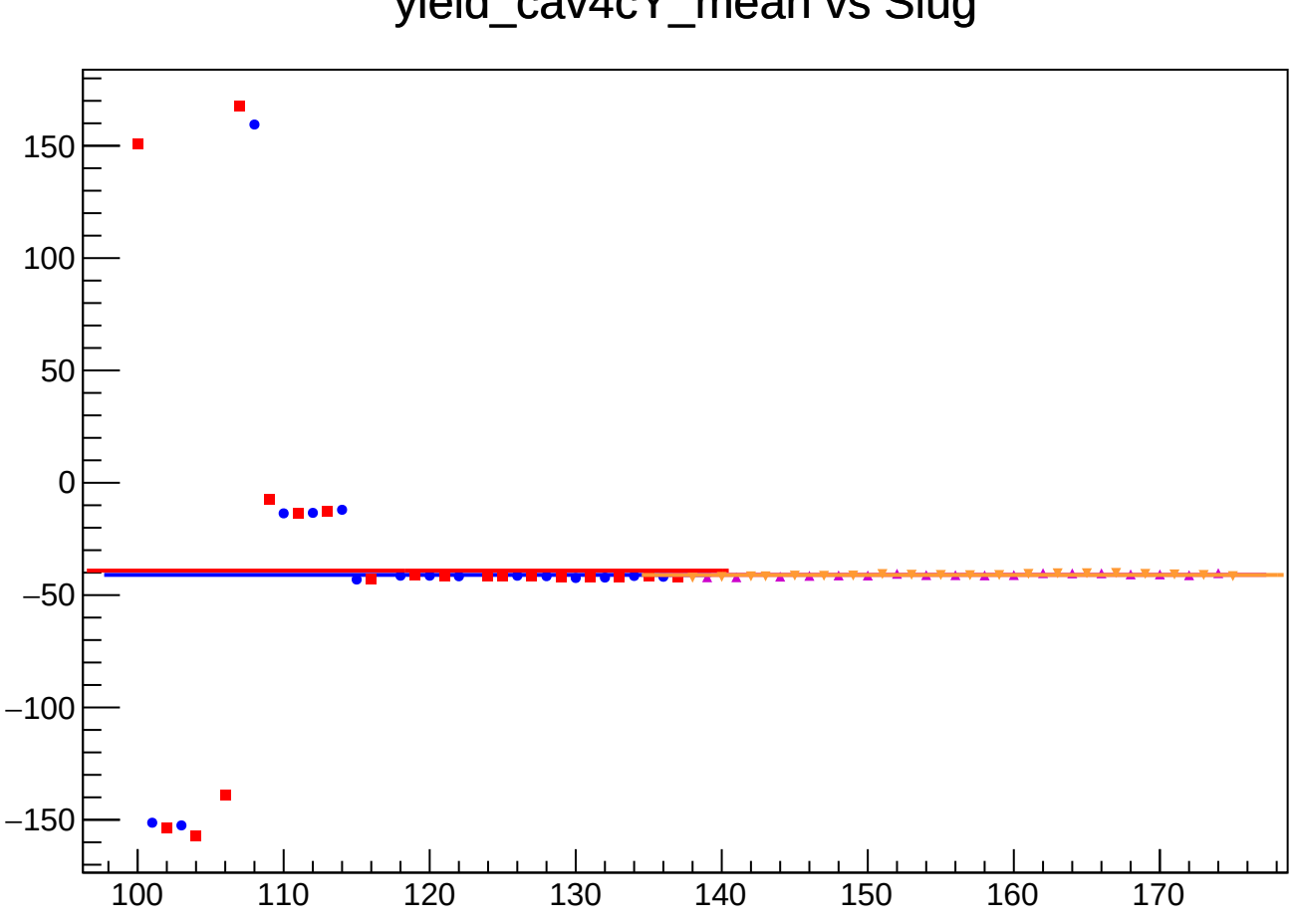
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.525+/-0.000 χ^2/NDF:687595.8/17

+ sign 0.526+/-0.000 χ^2/NDF: 2167230.3/35

All: 0.535+/-0.000 χ^2/NDF: 5499214.7/72

- sign 0.545+/-0.000 χ^2/NDF: 3310638.9/36



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.026+/-0.000 χ^2/NDF:33331789.4/19

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

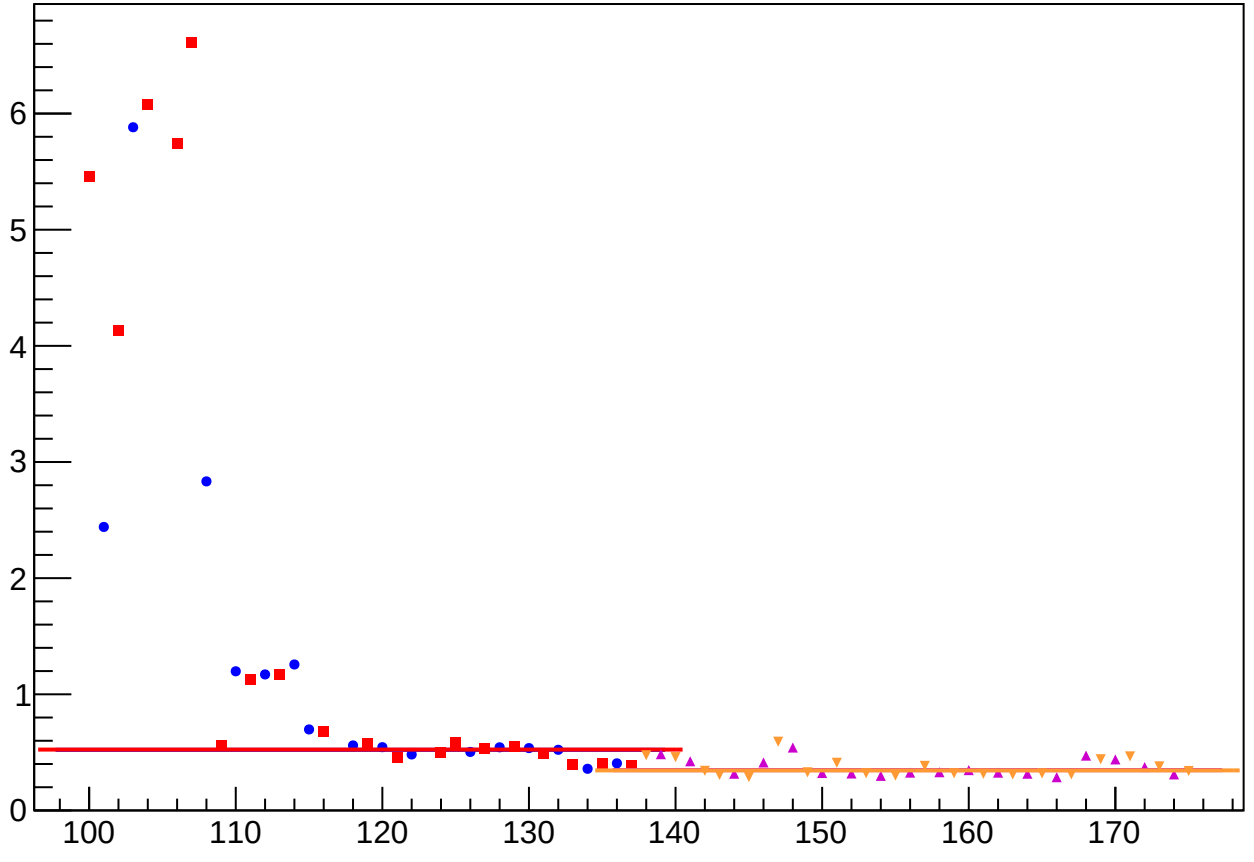
Left In: -40.952+/-0.000 χ^2/NDF:32741400.3/17

+ sign -41.021+/-0.000 χ^2/NDF: 3482978441.8/35

All: -40.866+/-0.000 χ^2/NDF: 6055856627.2/

- sign -40.699+/-0.000 χ^2/NDF: 2565845102.3/36

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.345+/-0.000 χ^2/NDF:922266.3/19

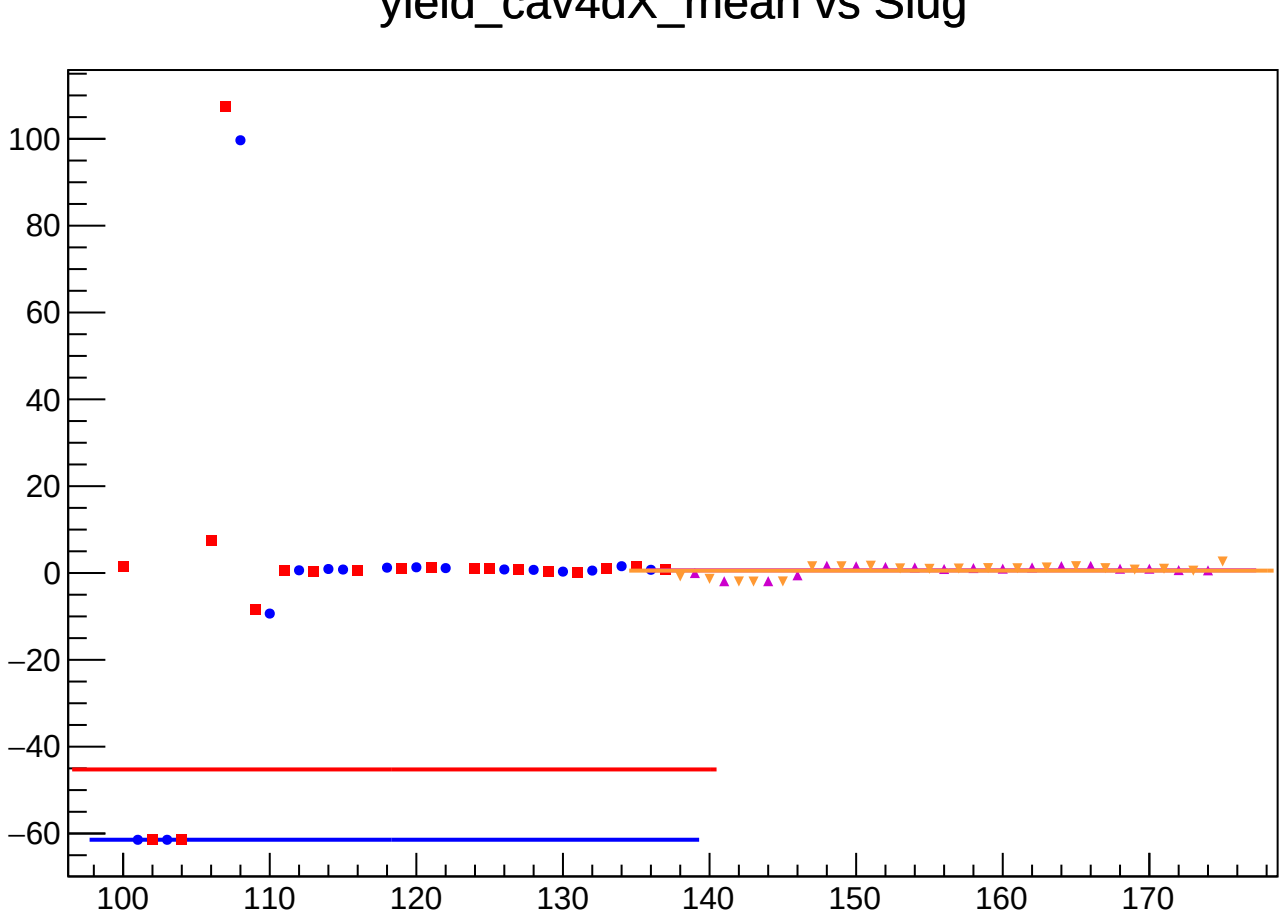
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.347+/-0.000 χ^2/NDF:790716.6/17

+ sign 0.368+/-0.000 χ^2/NDF: 4877577.8/35

All: 0.370+/-0.000 χ^2/NDF: 9900206.1/72

- sign 0.371+/-0.000 χ^2/NDF: 5021197.8/36



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.548+/-0.000 χ^2/NDF:119164996.0/19

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

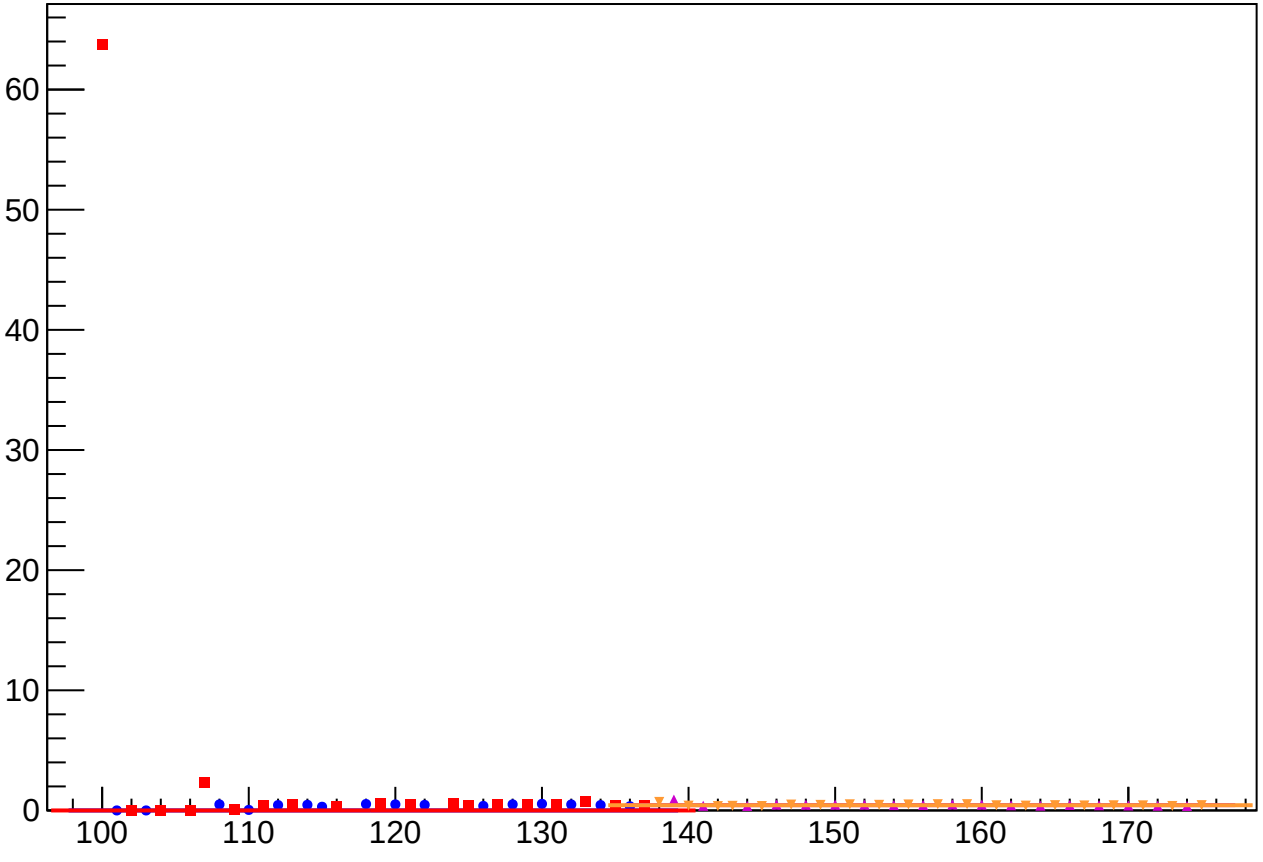
Left In: 0.615+/-0.000 χ^2/NDF:77263279.2/17

+ sign -61.425+/-0.000 χ^2/NDF: 530837362289.8/3

All: -52.740+/-0.000 χ^2/NDF: 409484068462

- sign -45.238+/-0.000 χ^2/NDF: 357997268743046.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.435+/-0.000 χ^2/NDF:507775.4/19

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

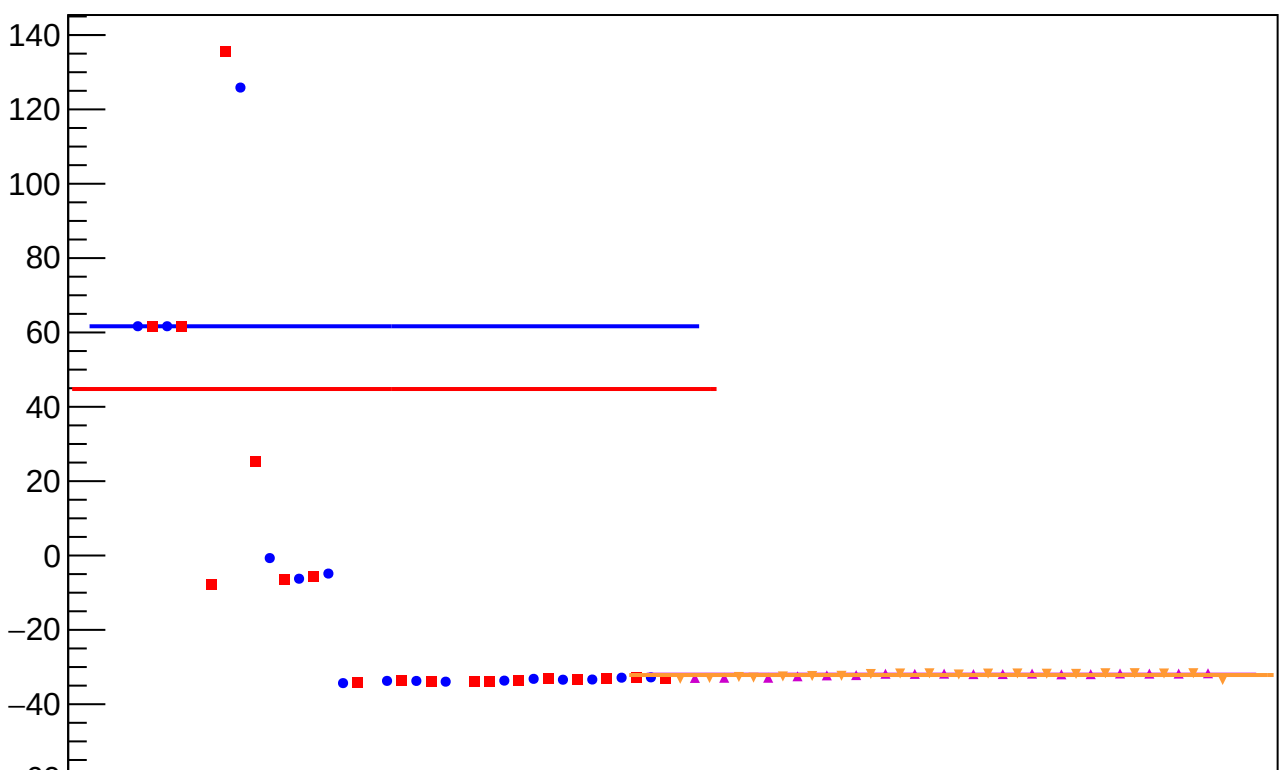
Left In: 0.445+/-0.000 χ^2/NDF:663232.7/17

+ sign 0.002+/-0.000 χ^2/NDF: 34882059.0/35

All: 0.002+/-0.000 χ^2/NDF: 68580193.5/72

- sign 0.002+/-0.000 χ^2/NDF: 33697996.4/36

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.148+/-0.000 χ^2/NDF:56907892.4/19

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

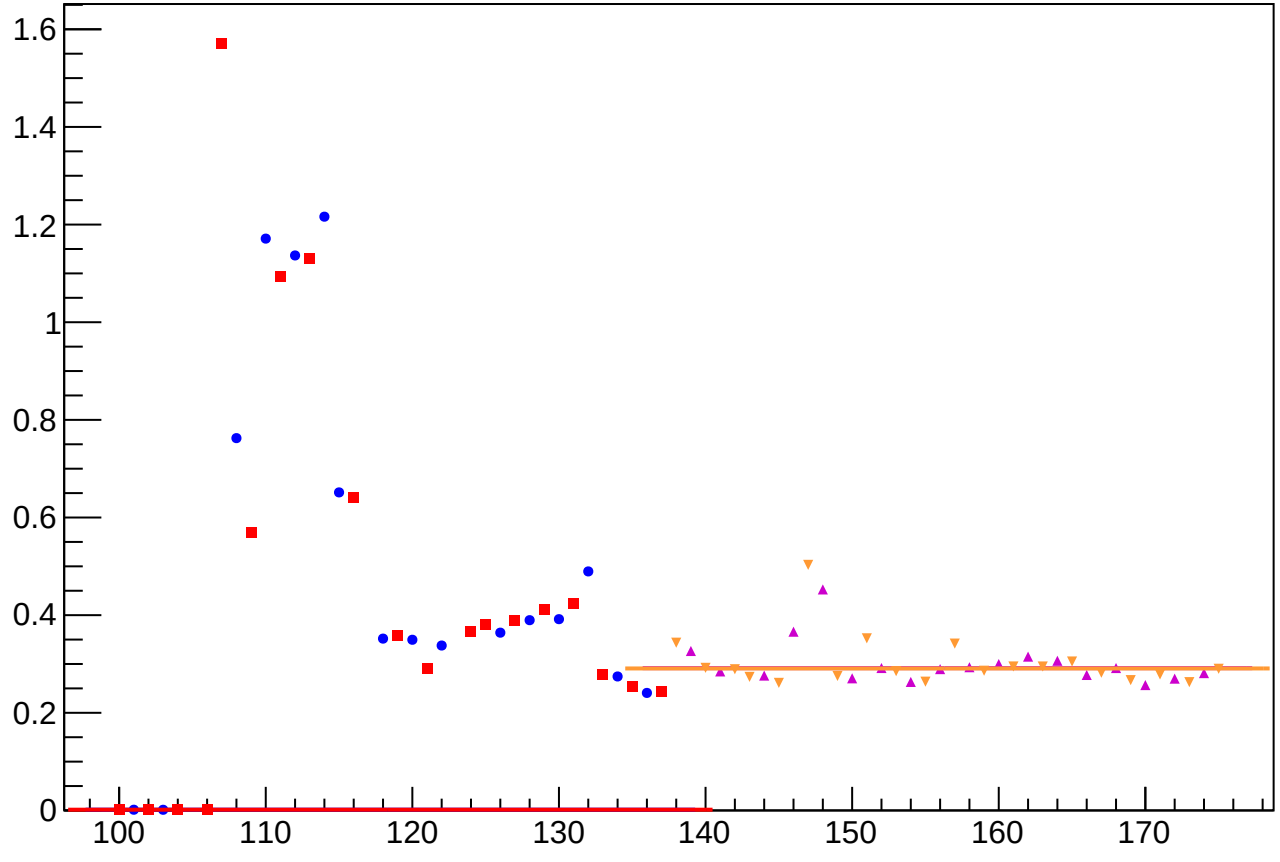
Left In: -32.049+/-0.000 χ^2/NDF:29658550.8/17

+ sign 61.612+/-0.000 χ^2/NDF: 1934542731727.7/3

All: 52.648+/-0.000 χ^2/NDF: 420042312365

- sign 44.752+/-0.000 χ^2/NDF: 367076639945570.9

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.291+/-0.000 χ^2/NDF:489299.4/19

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

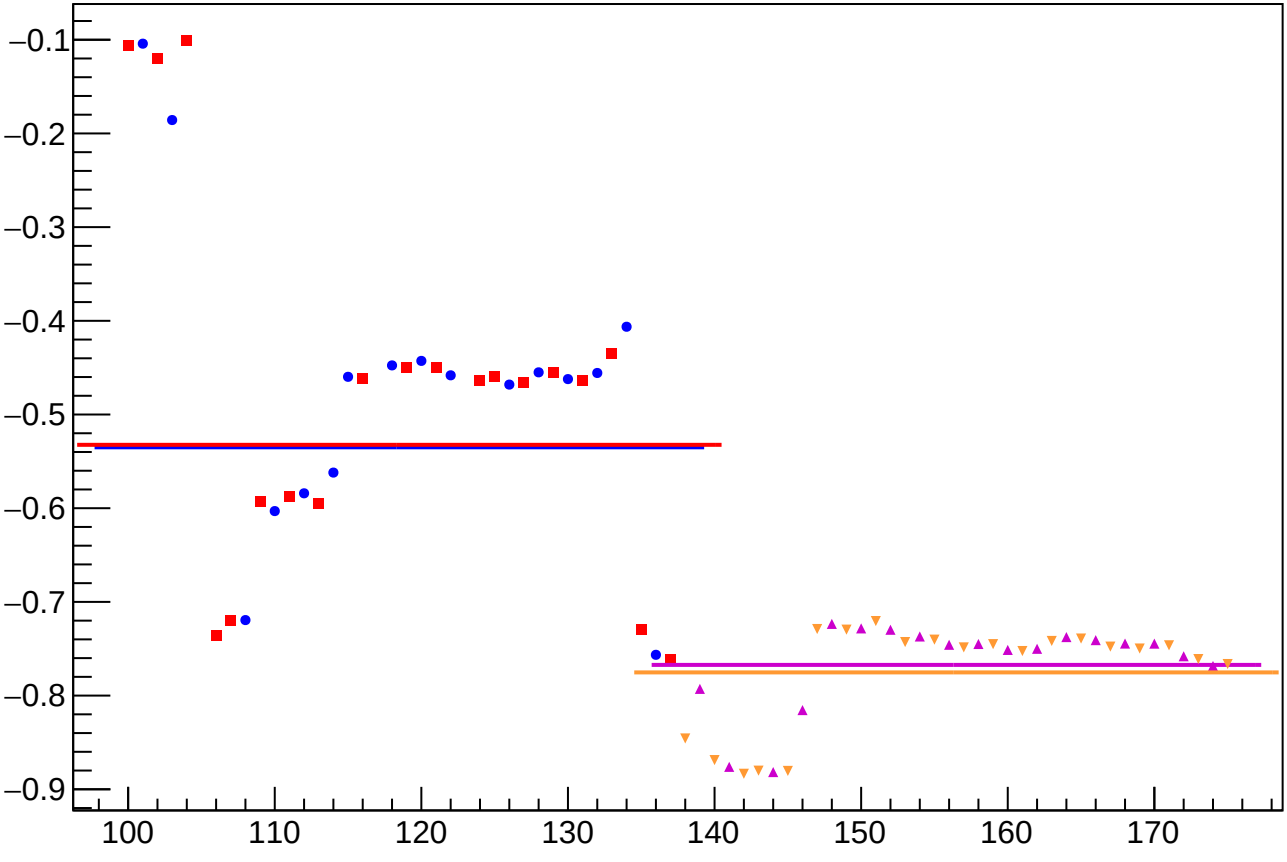
Left In: 0.291+/-0.000 χ^2/NDF:381084.6/17

+ sign 0.002+/-0.000 χ^2/NDF: 41285758.8/35

All: 0.002+/-0.000 χ^2/NDF: 80187645.3/72

- sign 0.002+/-0.000 χ^2/NDF: 38901865.0/36

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.775+/-0.000 χ^2/NDF:112018149.9/19

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

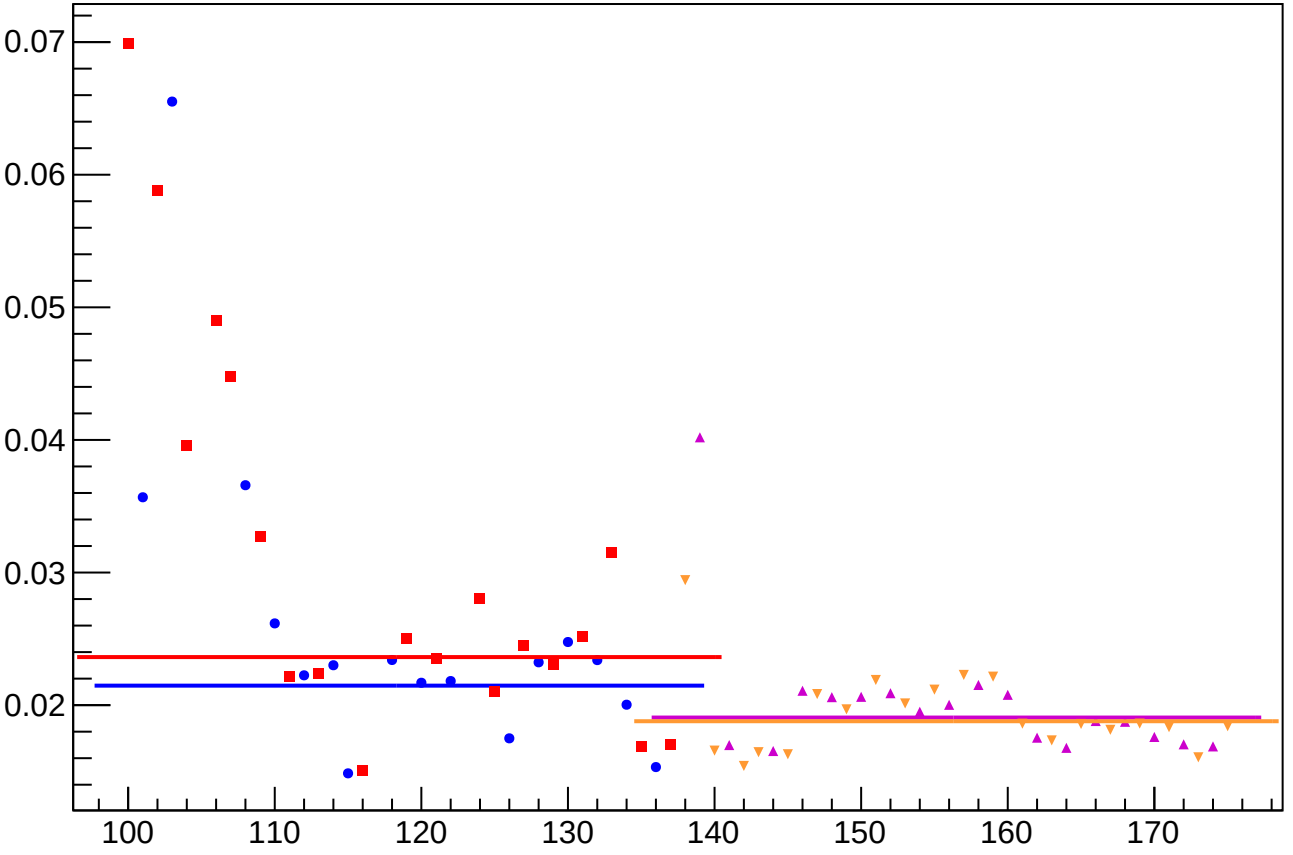
Left In: -0.767+/-0.000 χ^2/NDF:77627902.0/17

+ sign -0.716+/-0.000 χ^2/NDF: 919543248.0/35

All: -0.714+/-0.000 χ^2/NDF: 1633817161.9/7

- sign -0.712+/-0.000 χ^2/NDF: 713871486.1/36

yield_bpm4aX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:452026.8/19

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

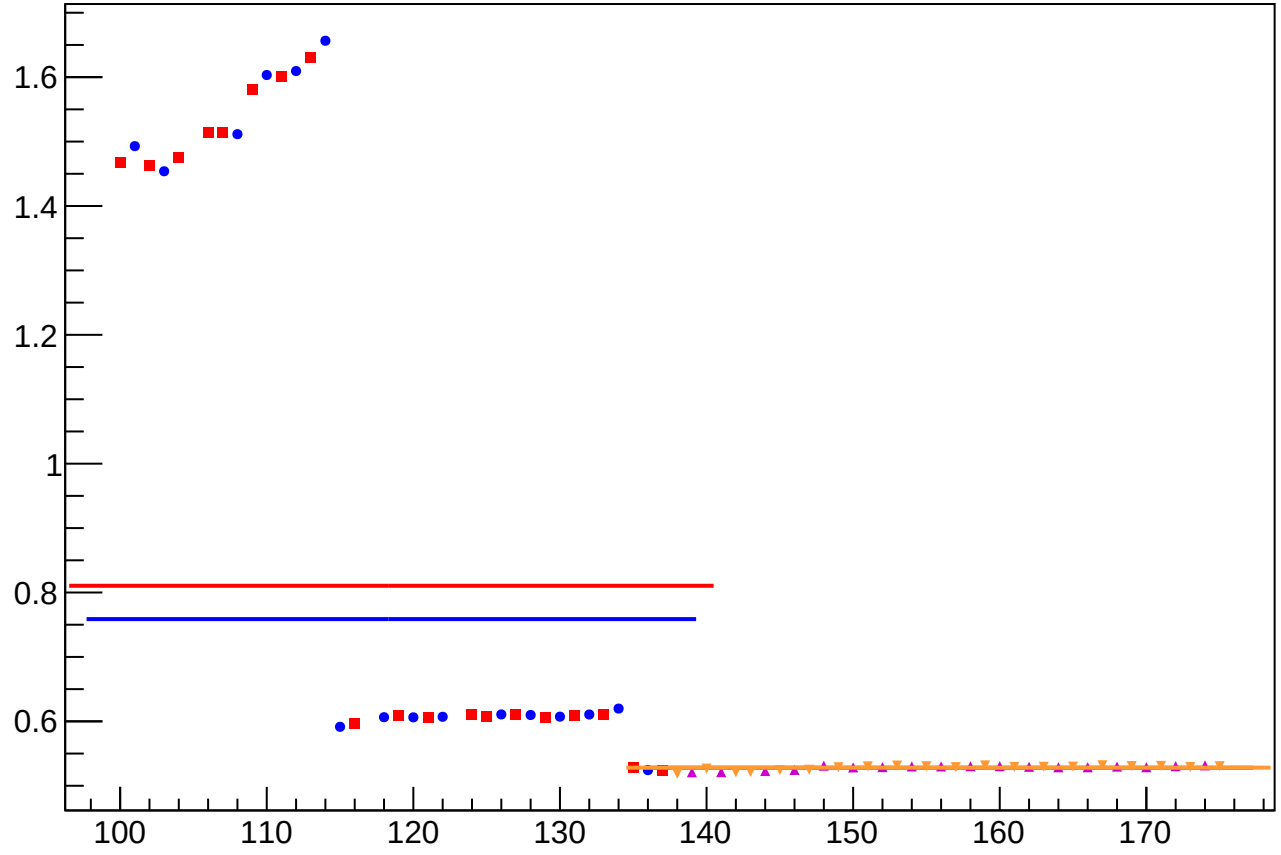
Left In: 0.019+/-0.000 χ^2/NDF:666018.5/17

+ sign 0.019+/-0.000 χ^2/NDF: 1732486.0/35

All: 0.020+/-0.000 χ^2/NDF: 4015337.3/72

- sign 0.020+/-0.000 χ^2/NDF: 2261530.8/36

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.528+/-0.000 χ^2/NDF:1439354.6/19

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

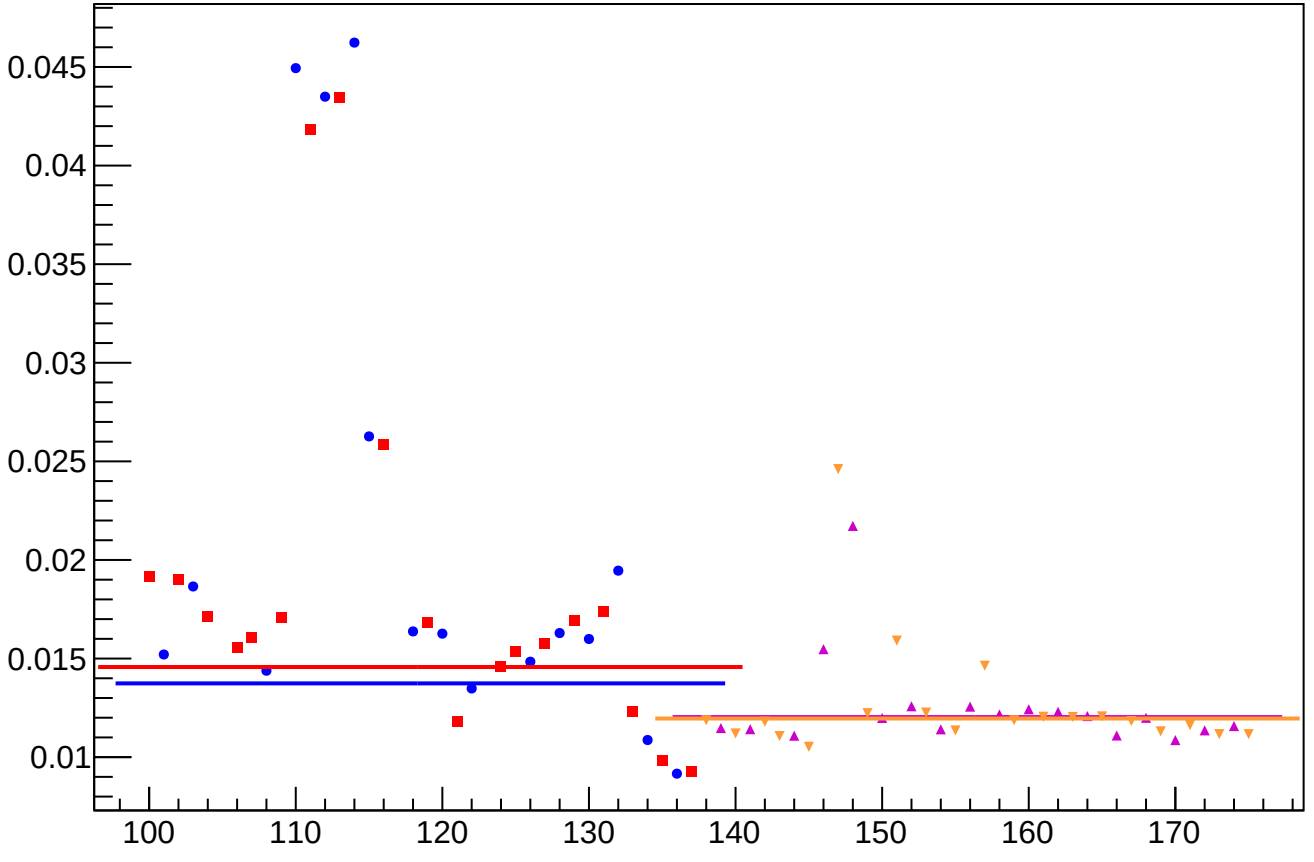
Left In: 0.528+/-0.000 χ^2/NDF:1118479.1/17

+ sign 0.581+/-0.000 χ^2/NDF: 5596423123.1/35

All: 0.587+/-0.000 χ^2/NDF: 12180337375.2/7

- sign 0.593+/-0.000 χ^2/NDF: 6574555369.4/36

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:644469.2/19

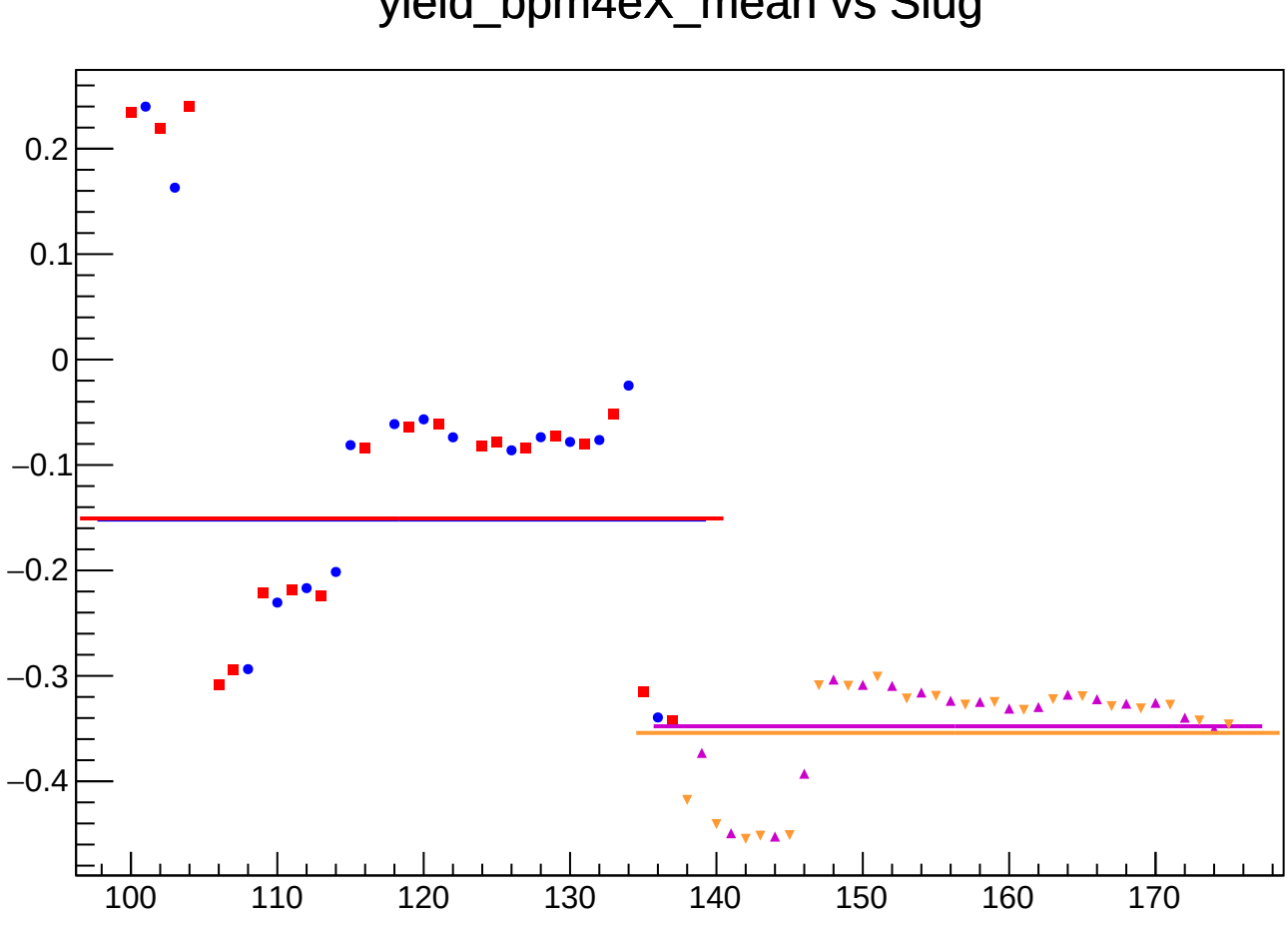
Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:462289.7/17

+ sign 0.012+/-0.000 χ^2/NDF: 2448323.1/35

All: 0.012+/-0.000 χ^2/NDF: 4665359.8/72

- sign 0.013+/-0.000 χ^2/NDF: 2208893.7/36



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.354+/-0.000 χ^2/NDF:107932361.6/19

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

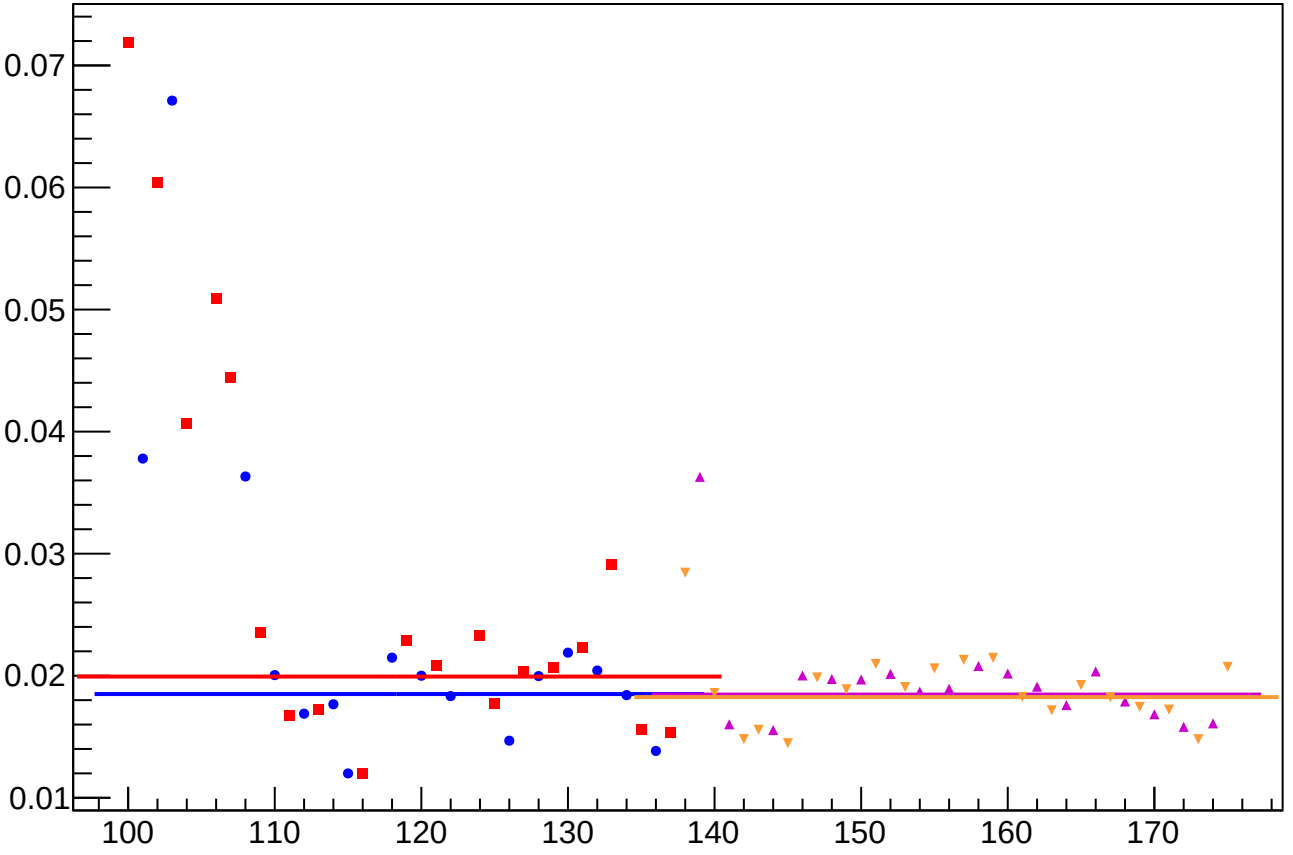
Left In: -0.348+/-0.000 χ^2/NDF:78130241.5/17

+ sign -0.296+/-0.000 χ^2/NDF: 834825300.8/35

All: -0.294+/-0.000 χ^2/NDF: 1496082557.2/7

- sign -0.293+/-0.000 χ^2/NDF: 660927667.0/36

yield_bpm4eX_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:538586.5/19

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

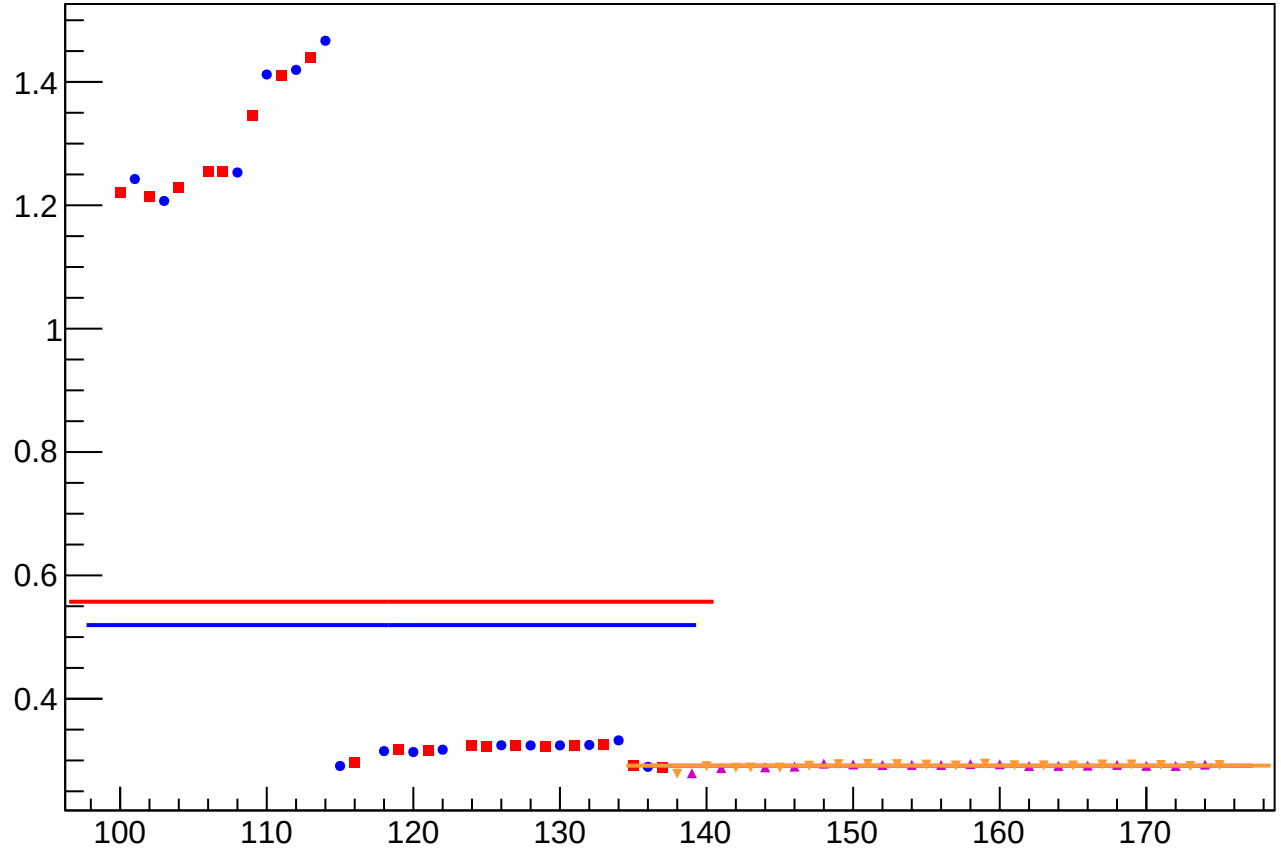
Left In: 0.018+/-0.000 χ^2/NDF:634848.9/17

+ sign 0.018+/-0.000 χ^2/NDF: 1912331.4/35

All: 0.019+/-0.000 χ^2/NDF: 4153199.8/72

- sign 0.019+/-0.000 χ^2/NDF: 2225333.2/36

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.292+/-0.000 χ^2/NDF:1209734.0/19

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

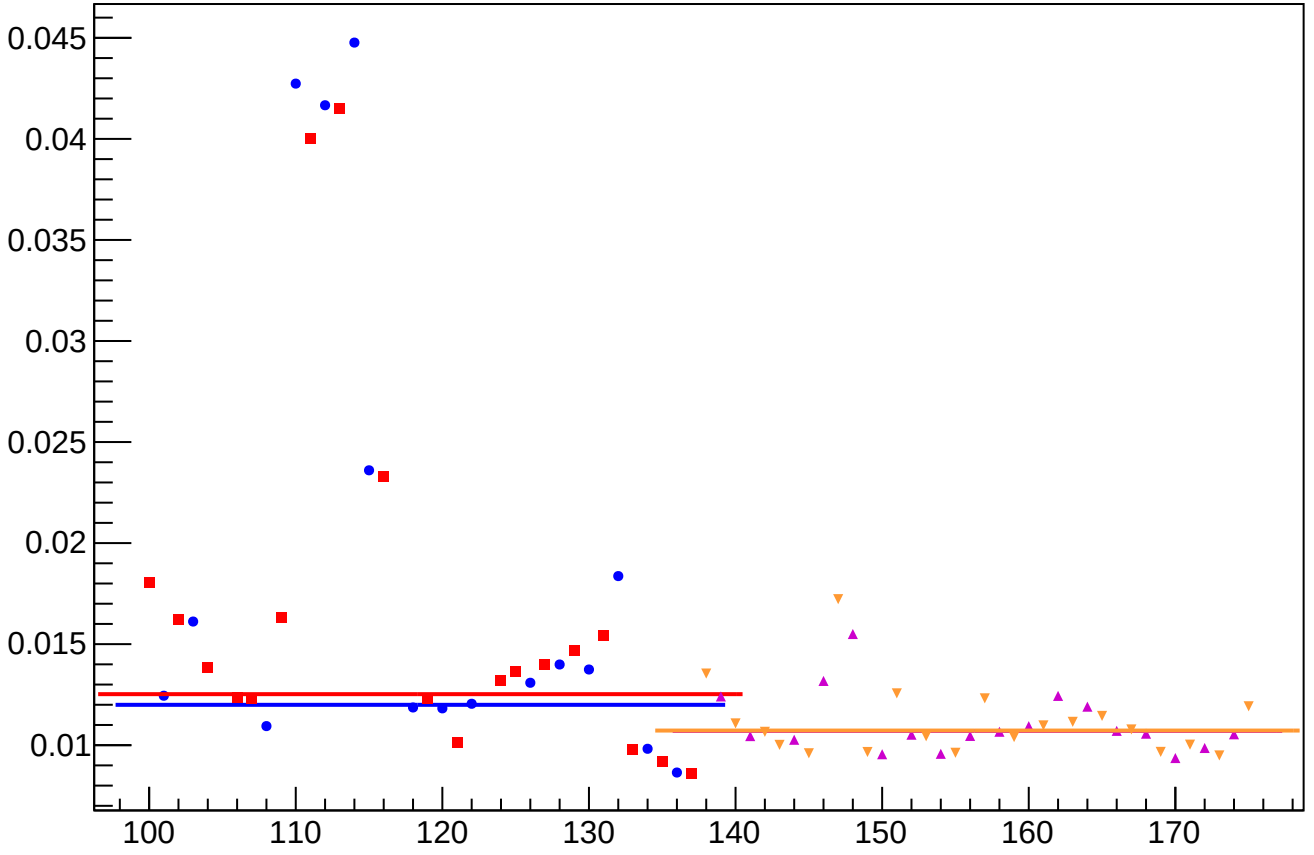
Left In: 0.291+/-0.000 χ^2/NDF:1215817.2/17

+ sign 0.346+/-0.000 χ^2/NDF: 7952290598.7/35

All: 0.351+/-0.000 χ^2/NDF: 16801800655.3/7

- sign 0.355+/-0.000 χ^2/NDF: 8842802639.3/36

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:503306.2/19

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

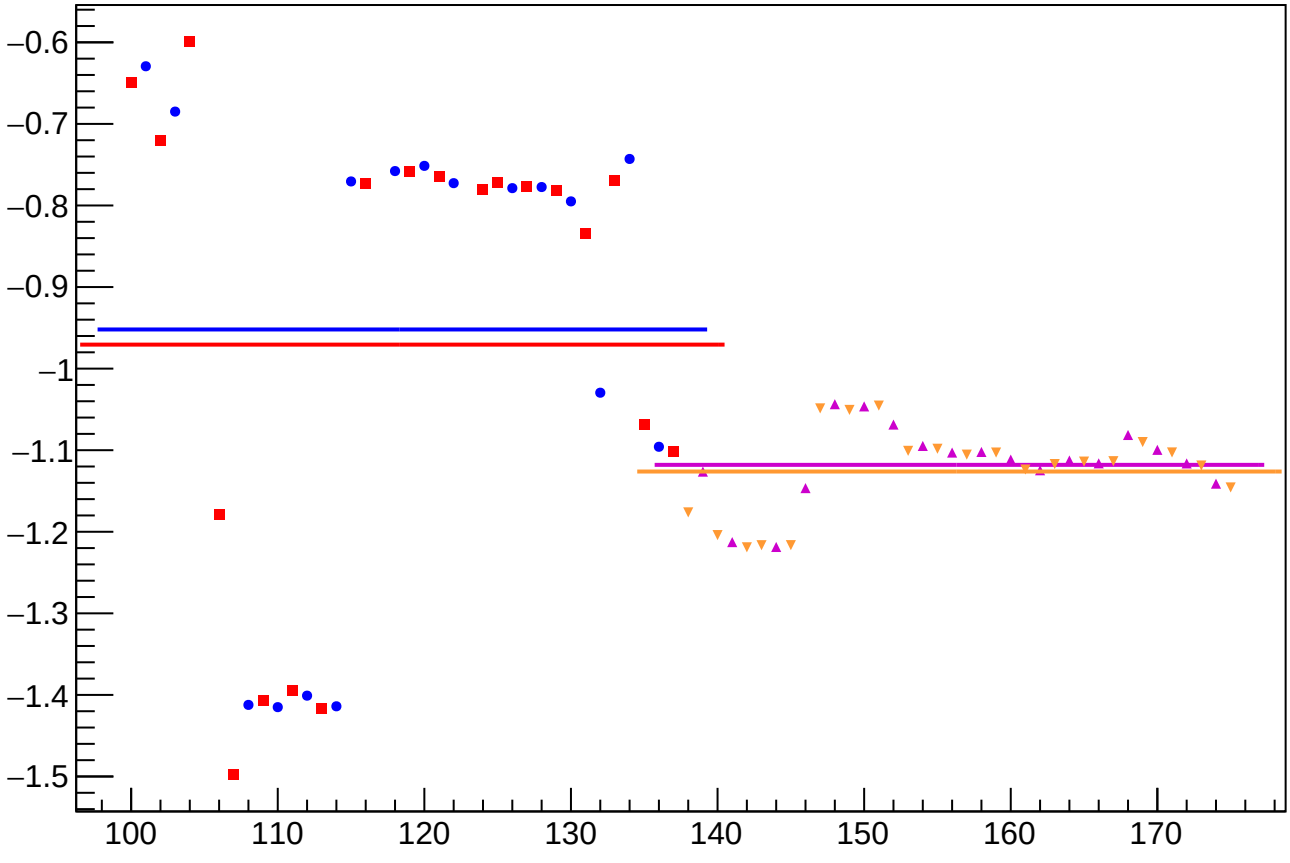
Left In: 0.011+/-0.000 χ^2/NDF:383821.9/17

+ sign 0.011+/-0.000 χ^2/NDF: 2096832.4/35

All: 0.011+/-0.000 χ^2/NDF: 4113971.9/72

- sign 0.011+/-0.000 χ^2/NDF: 2015117.2/36

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.126+/-0.000 χ^2/NDF:103314751.6/19

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

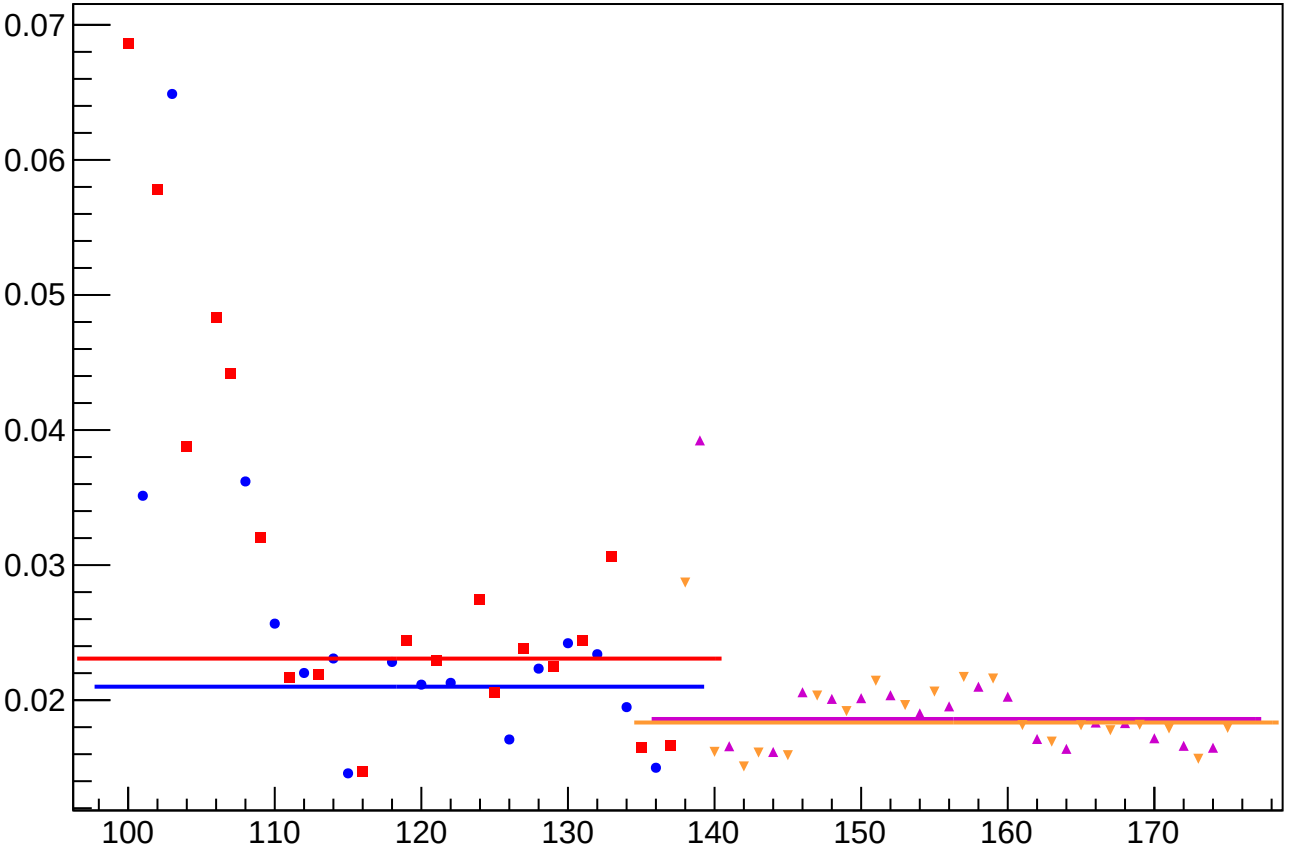
Left In: -1.118+/-0.000 χ^2/NDF:76798626.3/17

+ sign -1.084+/-0.000 χ^2/NDF: 1081066774.2/35

All: -1.084+/-0.000 χ^2/NDF: 2046182287.4/7

- sign -1.084+/-0.000 χ^2/NDF: 965115346.7/36

yield_bpm4acX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF:449317.7/19

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

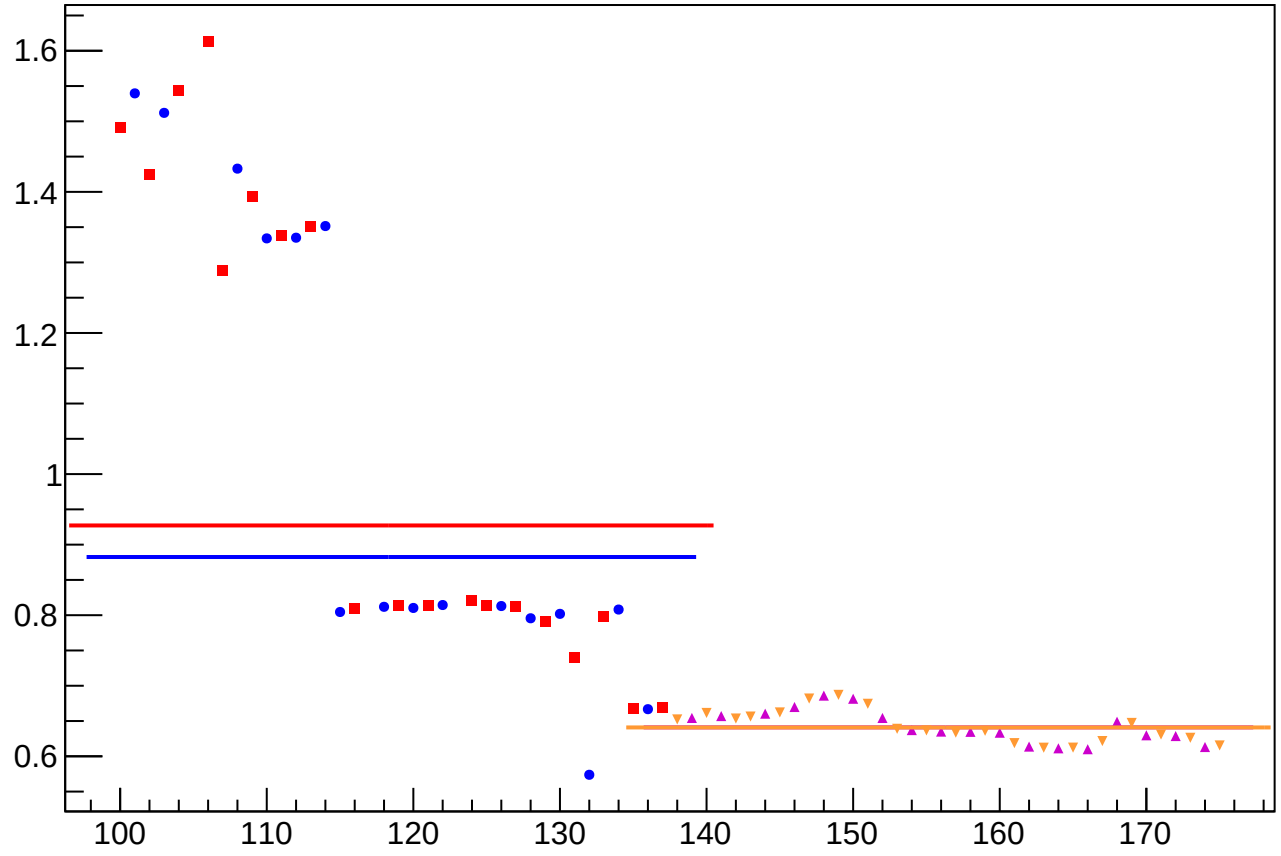
Left In: 0.019+/-0.000 χ^2/NDF:664861.1/17

+ sign 0.019+/-0.000 χ^2/NDF: 1745455.7/35

All: 0.019+/-0.000 χ^2/NDF: 4031981.5/72

- sign 0.020+/-0.000 χ^2/NDF: 2266180.4/36

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.641+/-0.000 χ^2/NDF:45678265.1/19

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

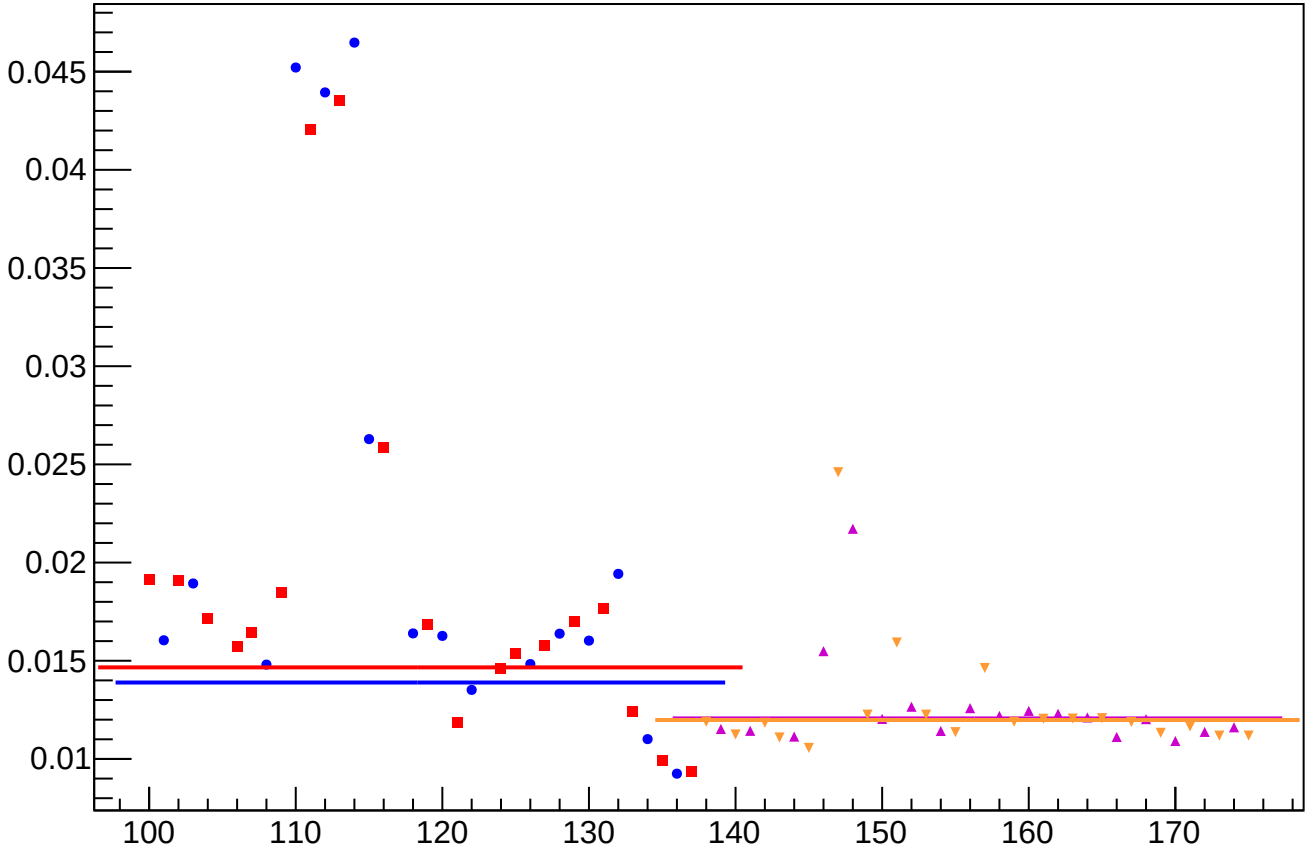
Left In: 0.641+/-0.000 χ^2/NDF:42151946.2/17

+ sign 0.696+/-0.000 χ^2/NDF: 4216485262.5/35

All: 0.701+/-0.000 χ^2/NDF: 8853279563.2/72

- sign 0.706+/-0.000 χ^2/NDF: 4629165441.7/36

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:639088.6/19

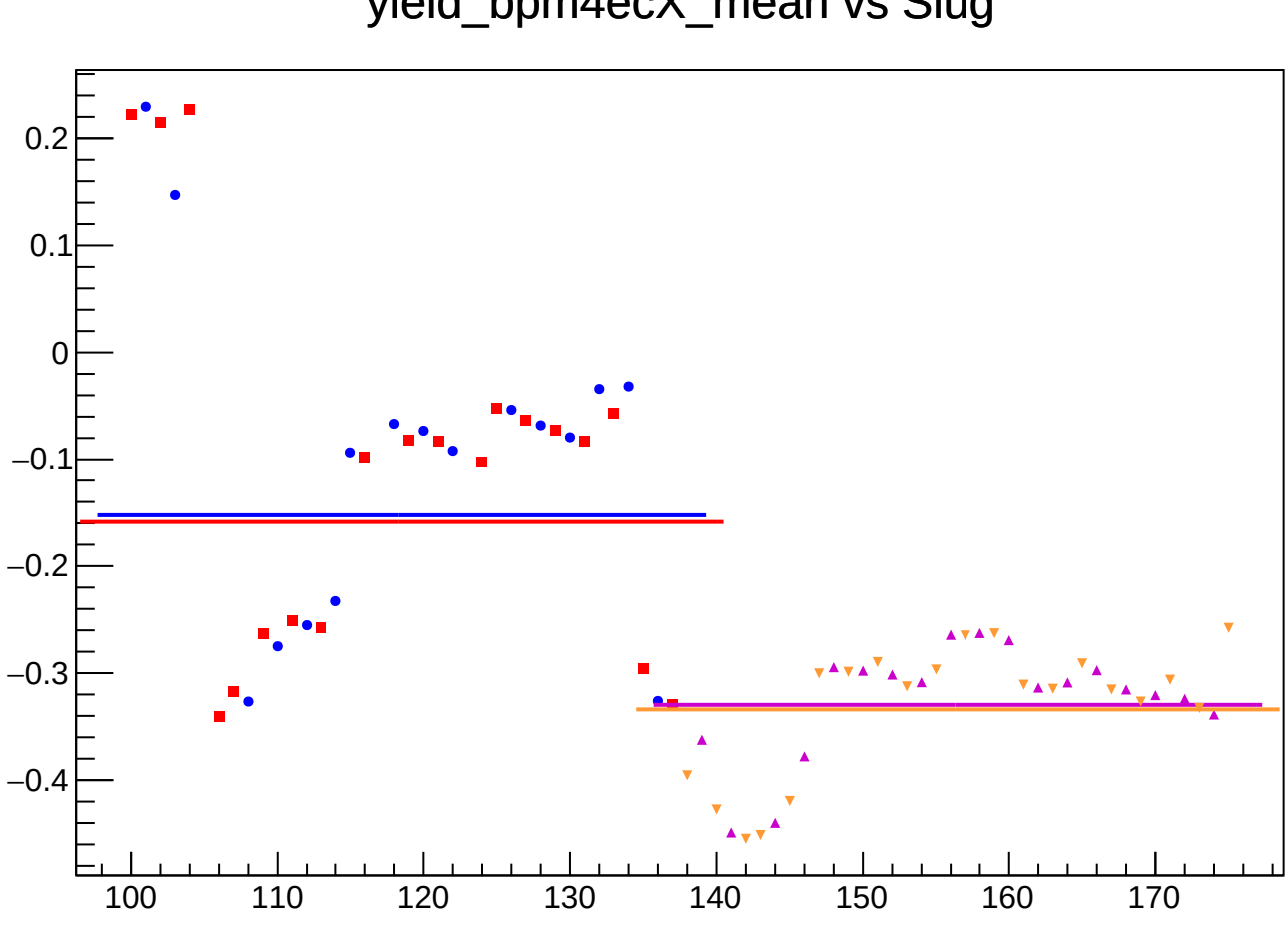
Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:458394.1/17

+ sign 0.012+/-0.000 χ^2/NDF: 2458981.9/35

All: 0.013+/-0.000 χ^2/NDF: 4692909.4/72

- sign 0.013+/-0.000 χ^2/NDF: 2226203.5/36



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.334+/-0.000 χ^2/NDF:136320762.0/19

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

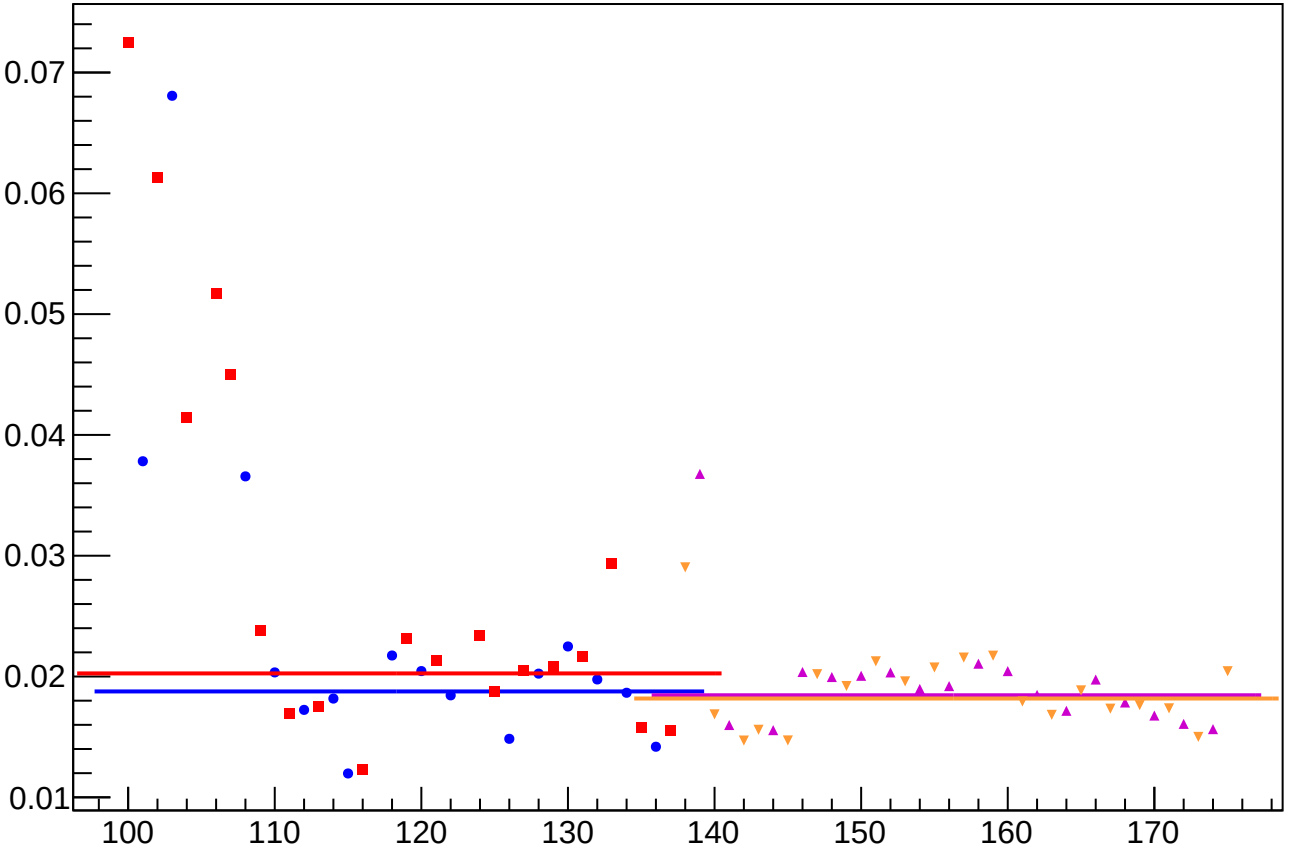
Left In: -0.330+/-0.000 χ^2/NDF:103886315.8/17

+ sign -0.283+/-0.000 χ^2/NDF: 765825115.3/35

All: -0.283+/-0.000 χ^2/NDF: 1346566076.6/7

- sign -0.283+/-0.000 χ^2/NDF: 580739490.9/36

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:565922.4/19

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

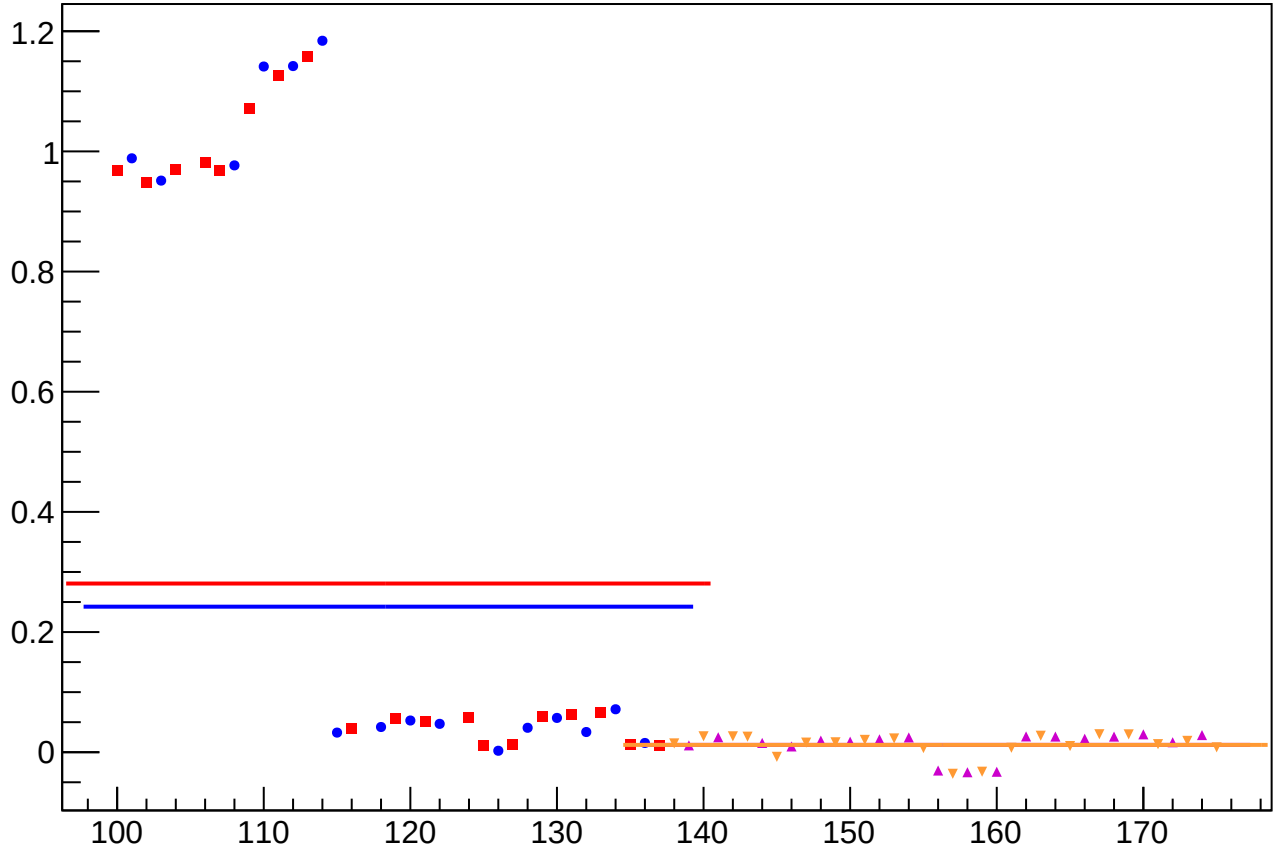
Left In: 0.018+/-0.000 χ^2/NDF:672856.6/17

+ sign 0.018+/-0.000 χ^2/NDF: 1922730.9/35

All: 0.019+/-0.000 χ^2/NDF: 4206509.1/72

- sign 0.019+/-0.000 χ^2/NDF: 2265425.8/36

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:44710830.9/19

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

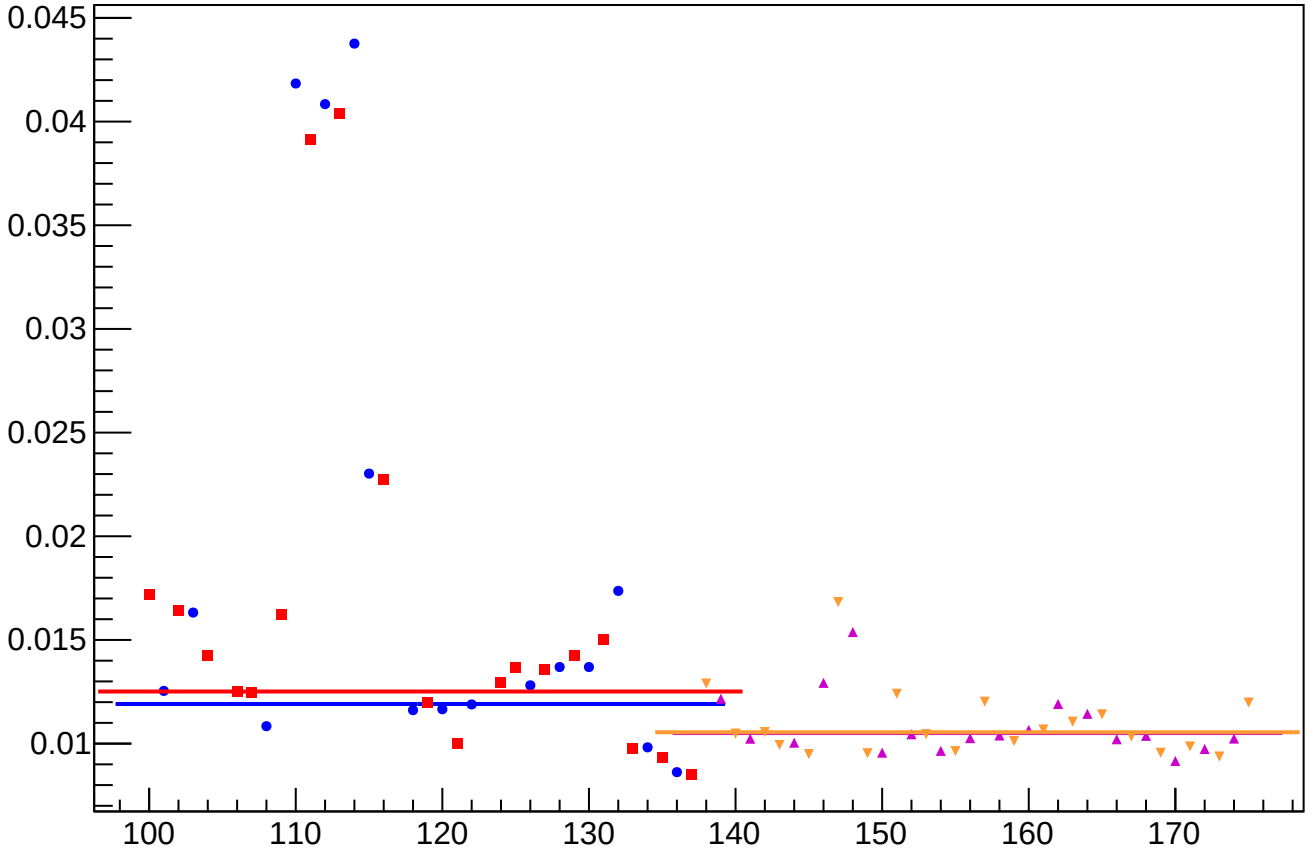
Left In: 0.012+/-0.000 χ^2/NDF:57552153.8/17

+ sign 0.067+/-0.000 χ^2/NDF: 8249686955.0/35

All: 0.071+/-0.000 χ^2/NDF: 17232693981.8/7

- sign 0.075+/-0.000 χ^2/NDF: 8977148630.6/36

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:472625.5/19

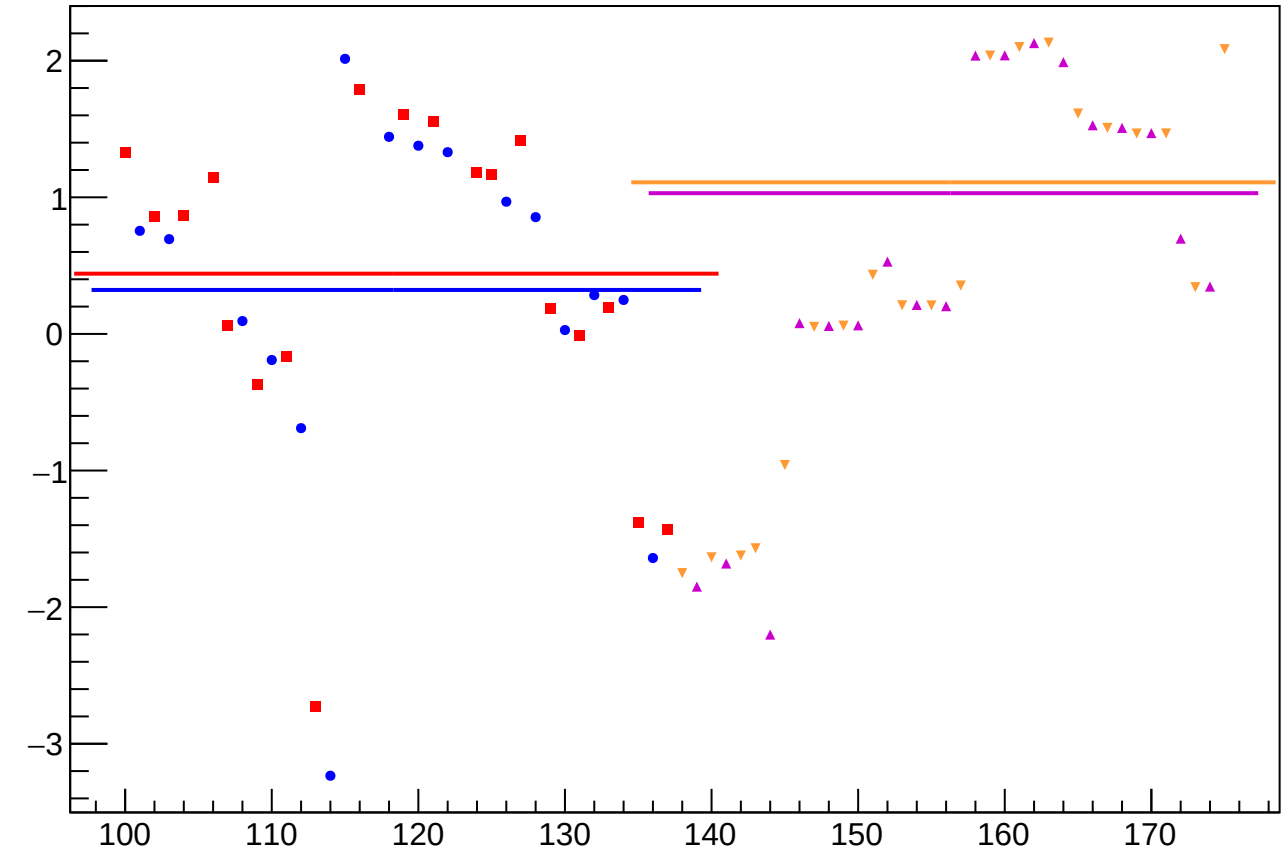
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:360536.8/17

+ sign 0.011+/-0.000 χ^2/NDF: 2051081.8/35

All: 0.011+/-0.000 χ^2/NDF: 4046699.0/72

- sign 0.011+/-0.000 χ^2/NDF: 1993657.2/36



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.110+/-0.000 χ^2/NDF:34660384567.3/19

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

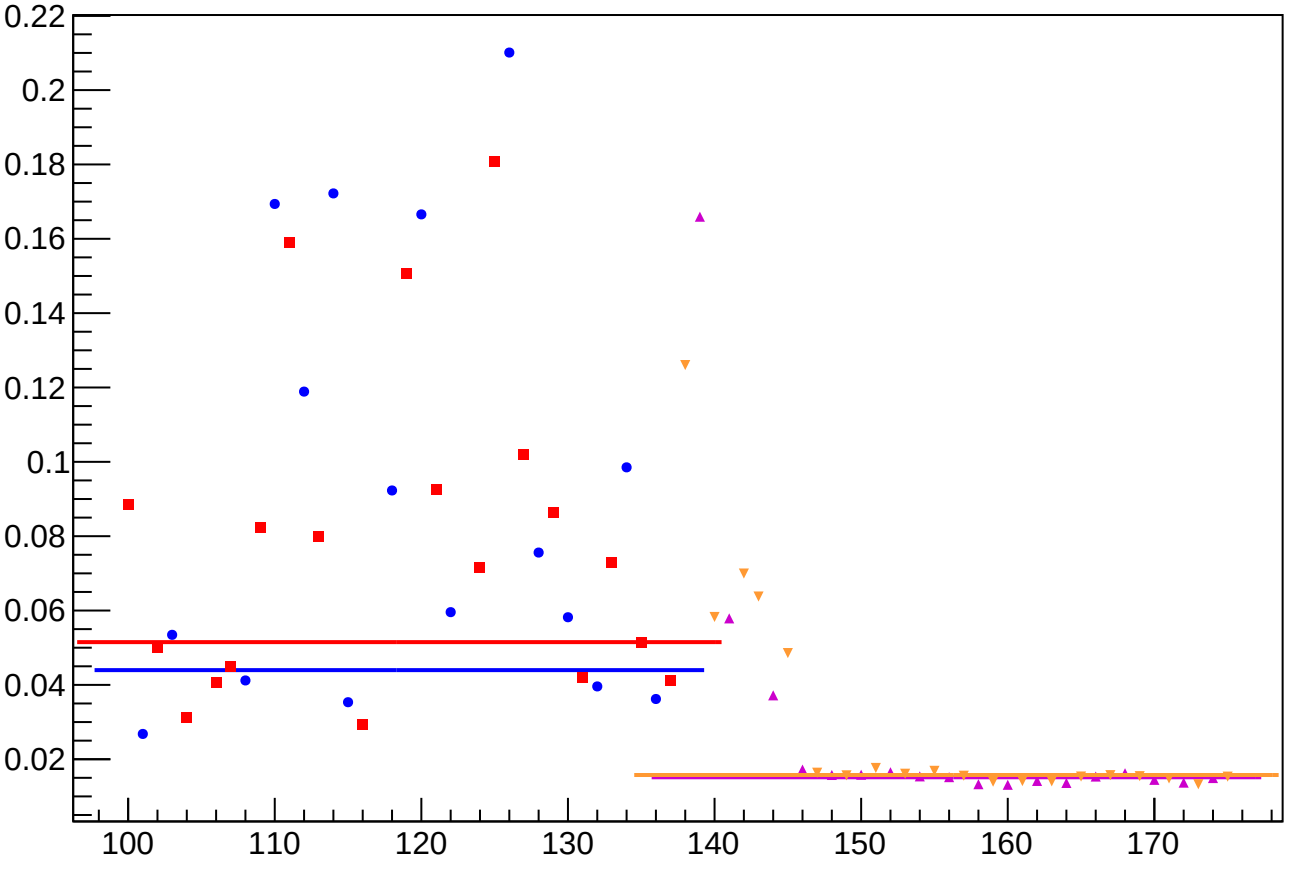
Left In: 1.030+/-0.000 χ^2/NDF:35605605140.6/17

+ sign 1.077+/-0.000 χ^2/NDF: 37506761050.1/35

All: 1.044+/-0.000 χ^2/NDF: 7557036246 5.6/7

- sign 1.011+/-0.000 χ^2/NDF: 37954516555.6/36

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2942929.2/19

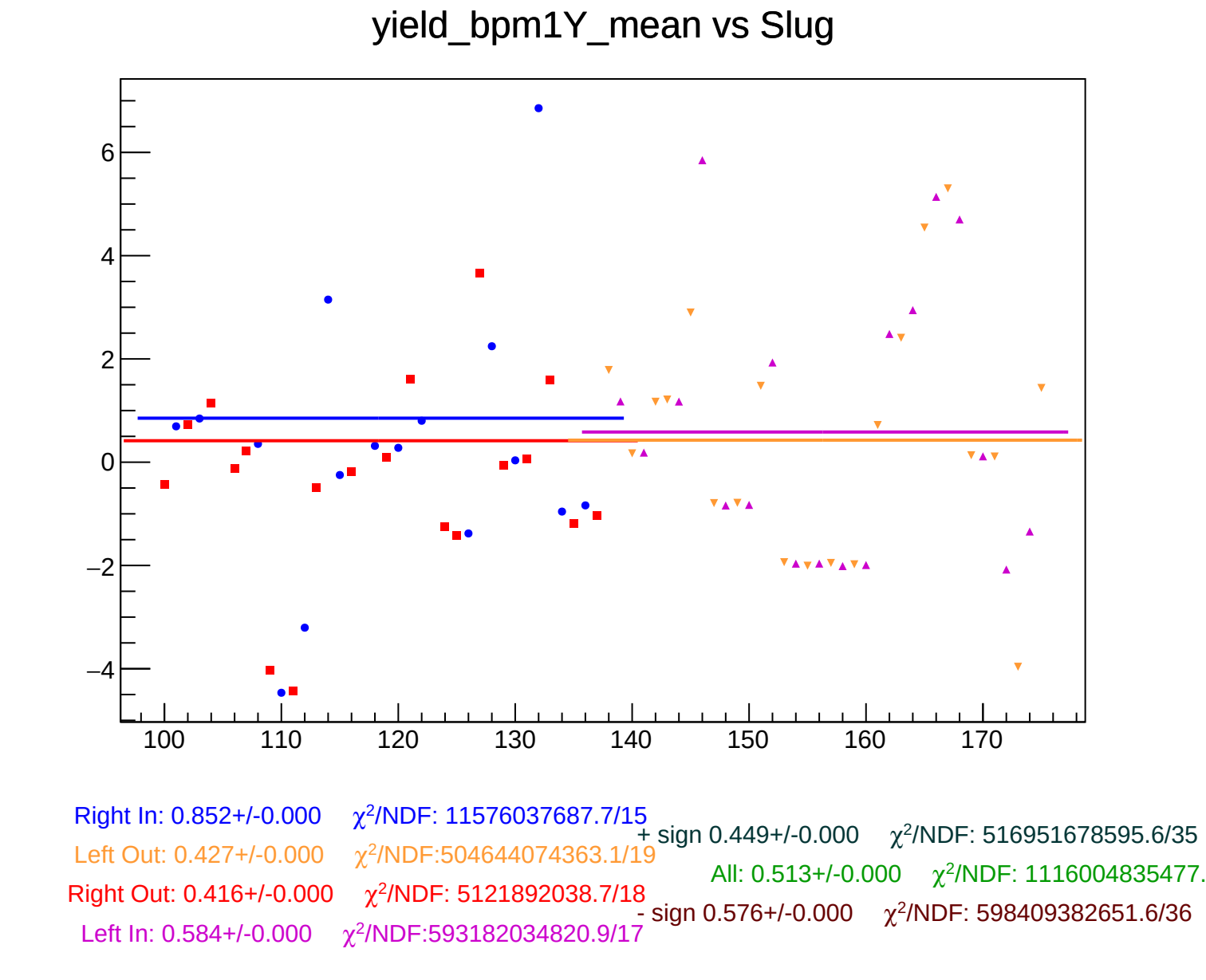
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2169272.7/17

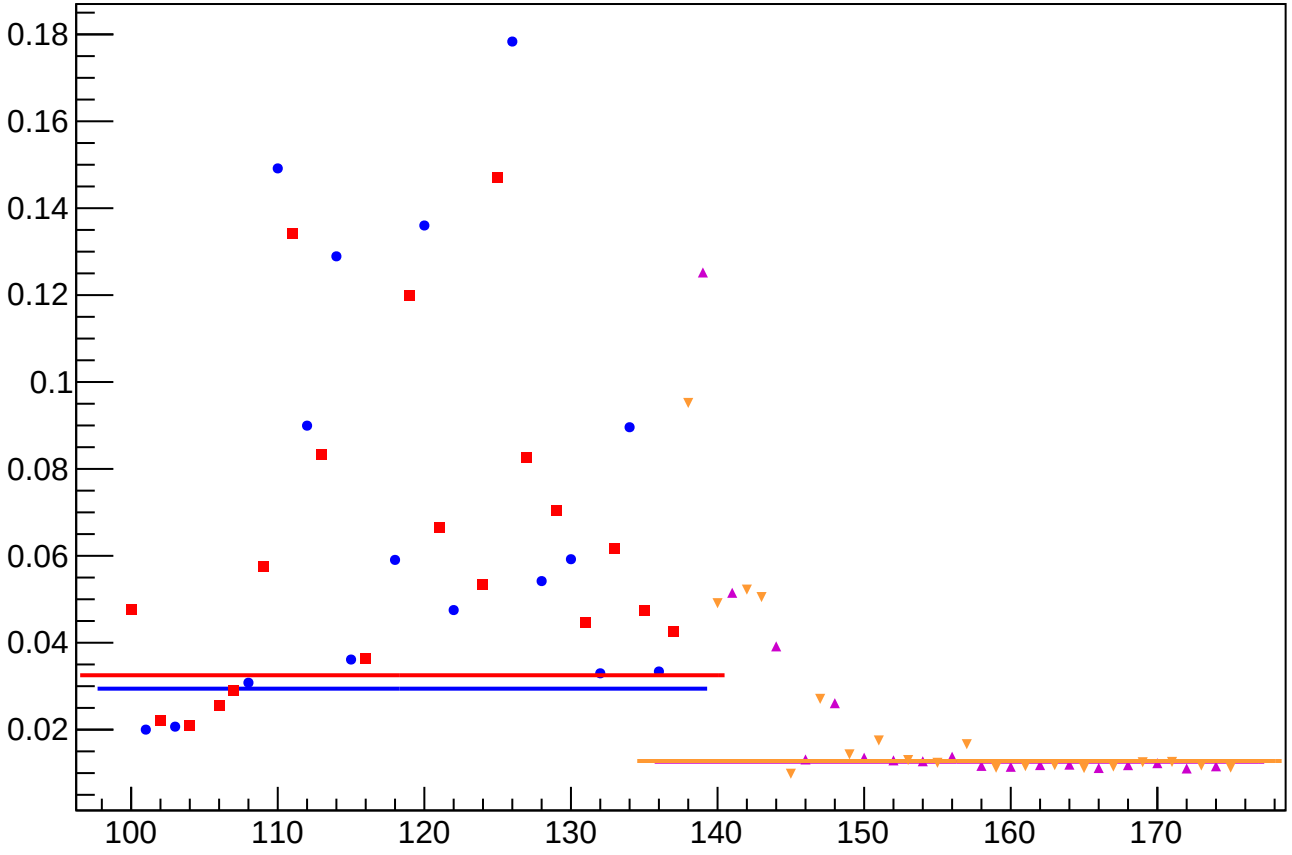
+ sign 0.017+/-0.000 χ^2/NDF: 8760029.9/35

All: 0.017+/-0.000 χ^2/NDF: 17517958.0/72

- sign 0.016+/-0.000 χ^2/NDF: 8742784.3/36


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
Right In: 0.852+/-0.000 χ²/NDF: 11576037687.7/15
Left Out: 0.427+/-0.000 χ²/NDF:504644074363.1/19
Right Out: 0.416+/-0.000 χ²/NDF: 5121892038.7/18
Left In: 0.584+/-0.000 χ²/NDF:593182034820.9/17
+ sign 0.449+/-0.000 χ²/NDF: 516951678595.6/35
All: 0.513+/-0.000 χ²/NDF: 1116004835477.
- sign 0.576+/-0.000 χ²/NDF: 598409382651.6/36

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.013+/-0.000 χ^2/NDF:3161828.4/19

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

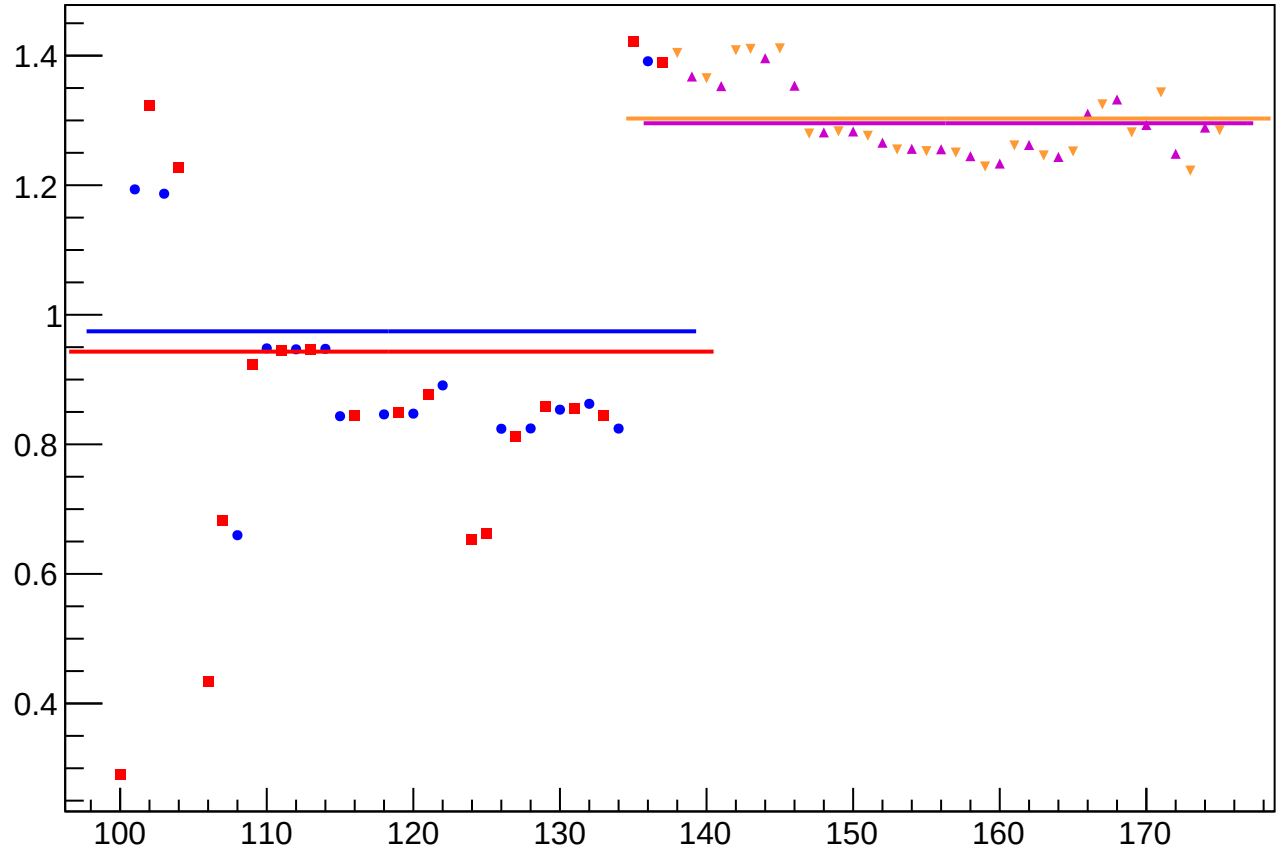
Left In: 0.013+/-0.000 χ^2/NDF:2734068.3/17

+ sign 0.014+/-0.000 χ^2/NDF: 8589120.2/35

All: 0.014+/-0.000 χ^2/NDF: 17578558.5/72

- sign 0.014+/-0.000 χ^2/NDF: 8988947.3/36

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.303+/-0.000 χ^2/NDF:298895154.1/19

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

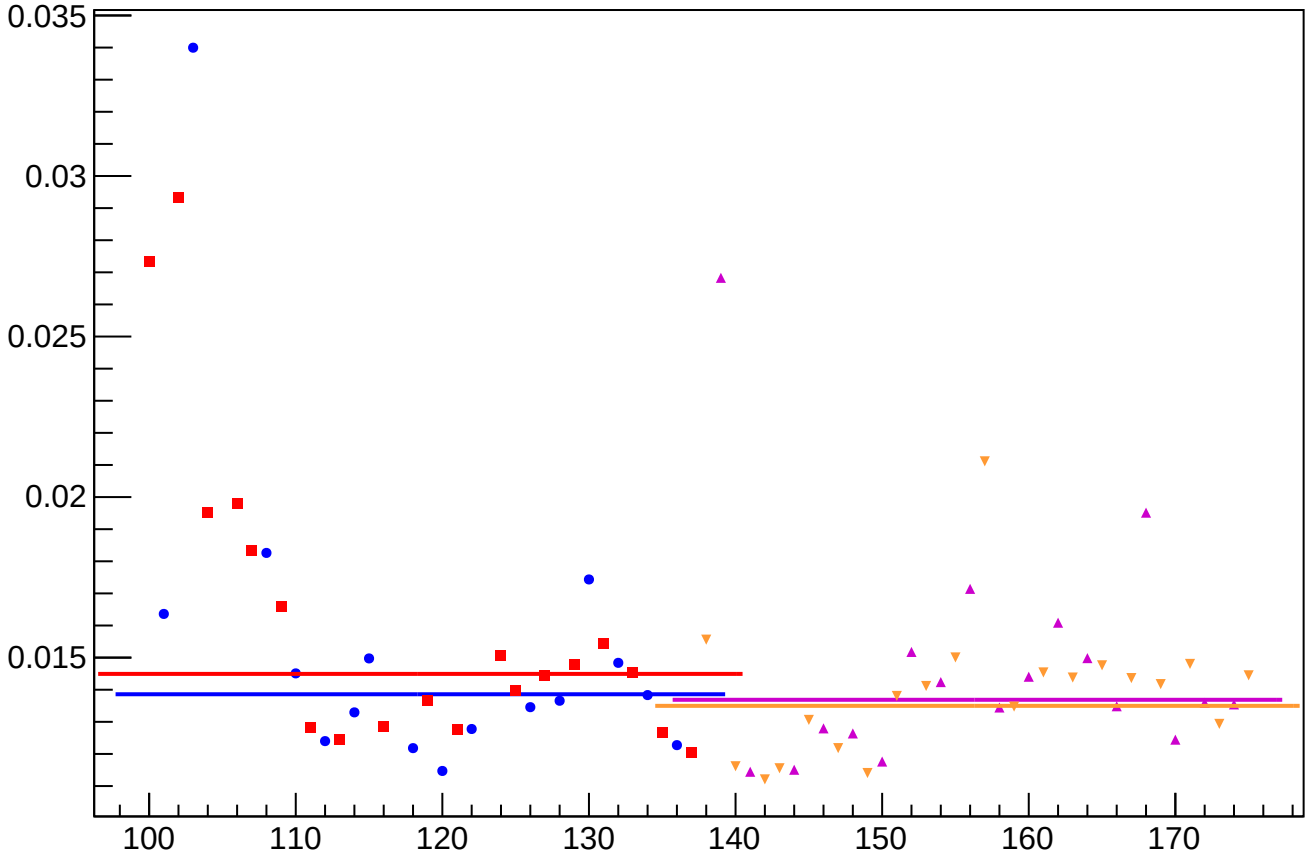
Left In: 1.296+/-0.000 χ^2/NDF:164906608.1/17

+ sign 1.204+/-0.000 χ^2/NDF: 4202774734.9/35

All: 1.197+/-0.000 χ^2/NDF: 8691163827.7/72

- sign 1.188+/-0.000 χ^2/NDF: 4474897804.2/36

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:434477.9/19

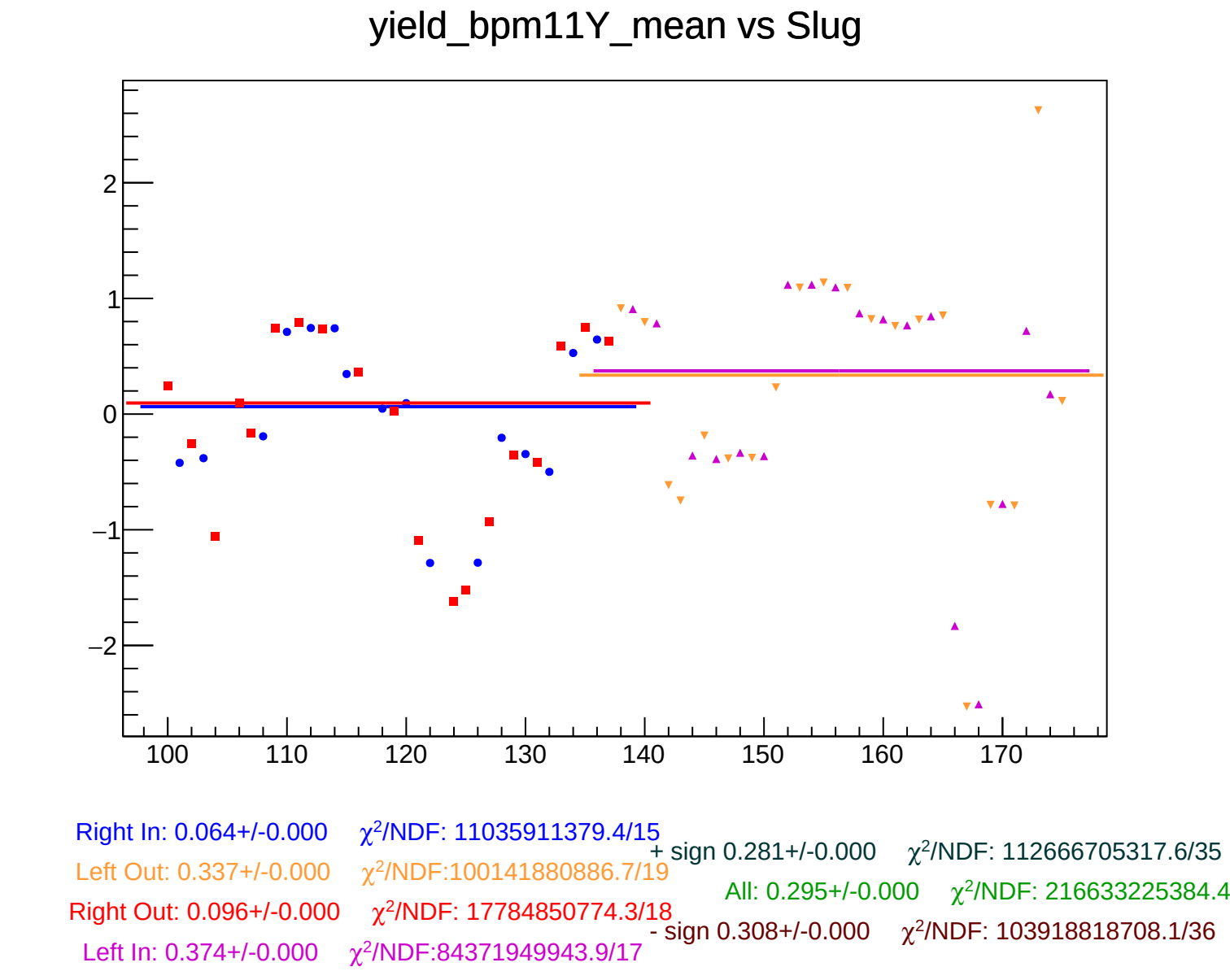
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:842580.6/17

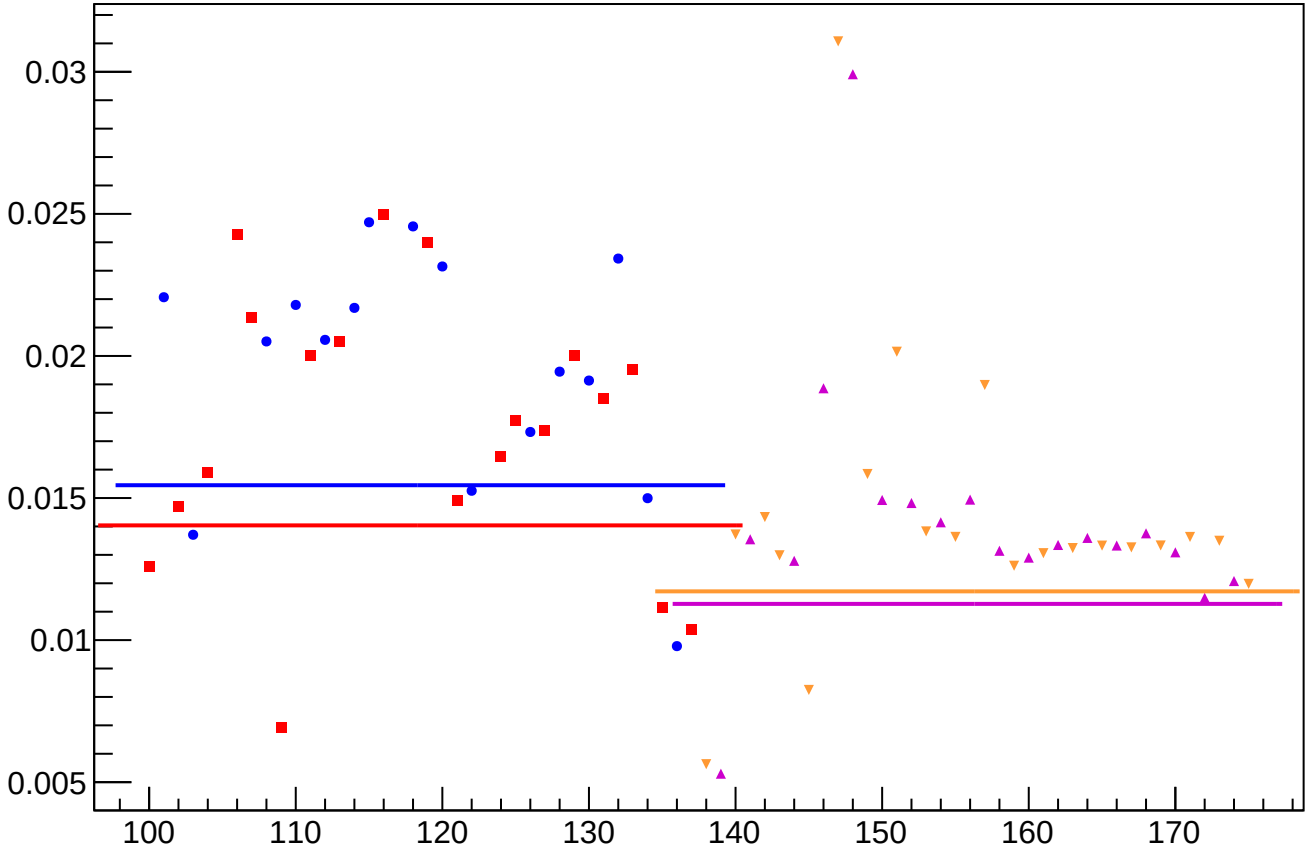
+ sign 0.014+/-0.000 χ^2/NDF: 1040367.3/35

All: 0.014+/-0.000 χ^2/NDF: 2465942.3/72

- sign 0.014+/-0.000 χ^2/NDF: 1414538.7/36


yield_bpm11Y_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: 0.064+/-0.000 χ²/NDF: 11035911379.4/15
Left Out: 0.337+/-0.000 χ²/NDF:100141880886.7/19
Right Out: 0.096+/-0.000 χ²/NDF: 17784850774.3/18
Left In: 0.374+/-0.000 χ²/NDF:84371949943.9/17
+ sign 0.281+/-0.000 χ²/NDF: 112666705317.6/35
All: 0.295+/-0.000 χ²/NDF: 216633225384.4
- sign 0.308+/-0.000 χ²/NDF: 103918818708.1/36

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:3199834.3/19

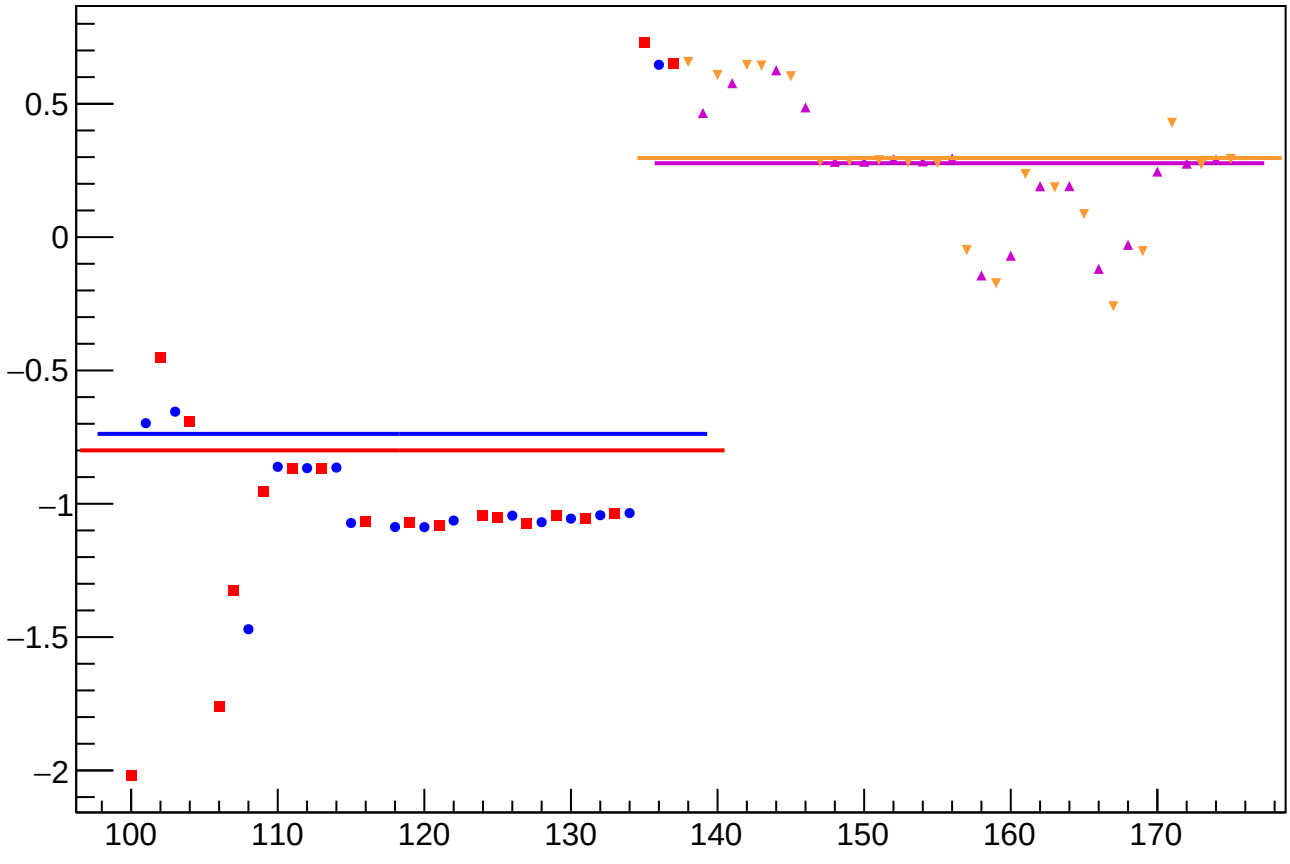
Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3574852.8/17

+ sign 0.012+/-0.000 χ^2/NDF: 5051830.4/35

All: 0.012+/-0.000 χ^2/NDF: 10700686.5/72

- sign 0.012+/-0.000 χ^2/NDF: 5609998.0/36



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.297+/-0.000 χ^2/NDF:747579528.0/19

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

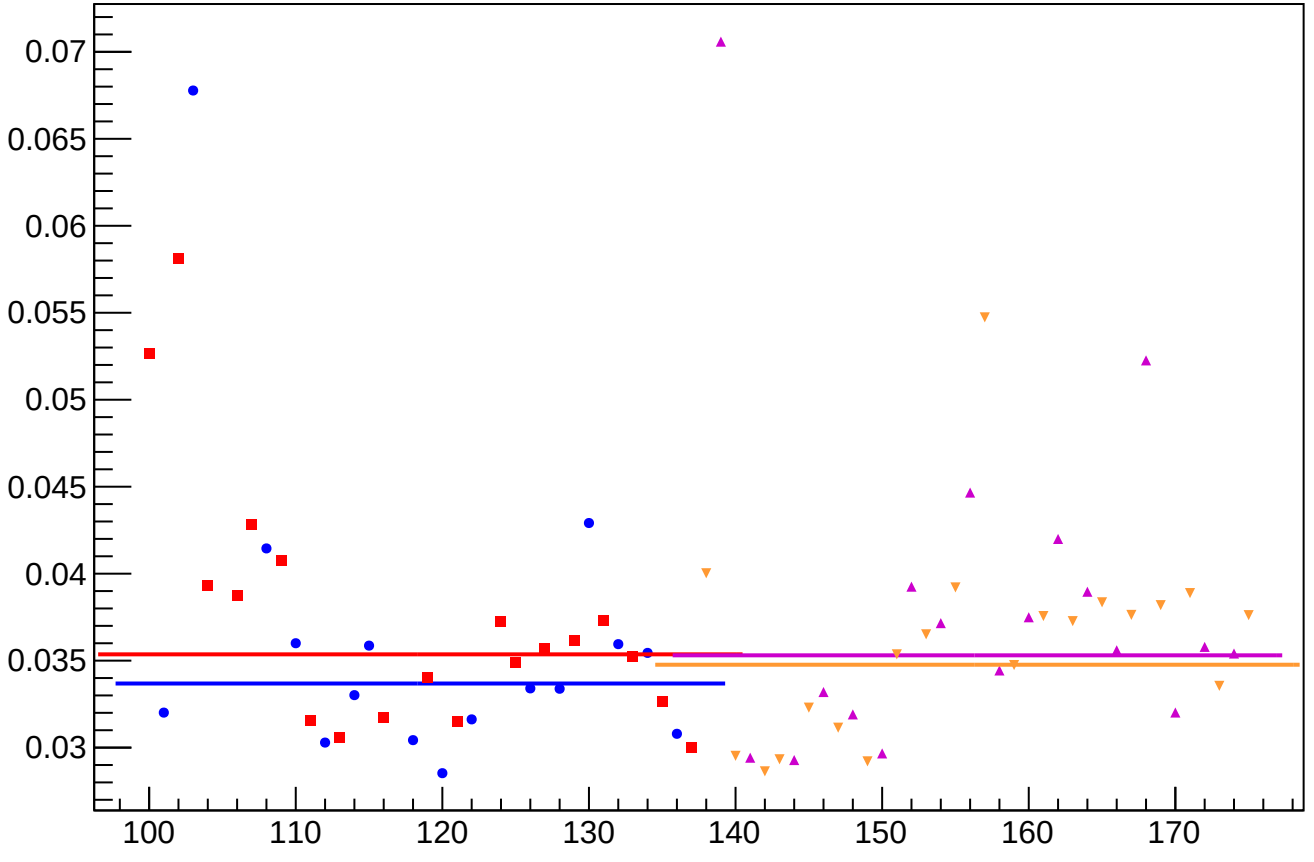
Left In: 0.277+/-0.000 χ^2/NDF:501906698.5/17

+ sign -0.044+/-0.000 χ^2/NDF: 6804964051.9/35

All: -0.062+/-0.000 χ^2/NDF: 13204252316.0/

- sign -0.081+/-0.000 χ^2/NDF: 6388464085.6/36

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.035+/-0.000 χ^2/NDF:491362.1/19

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

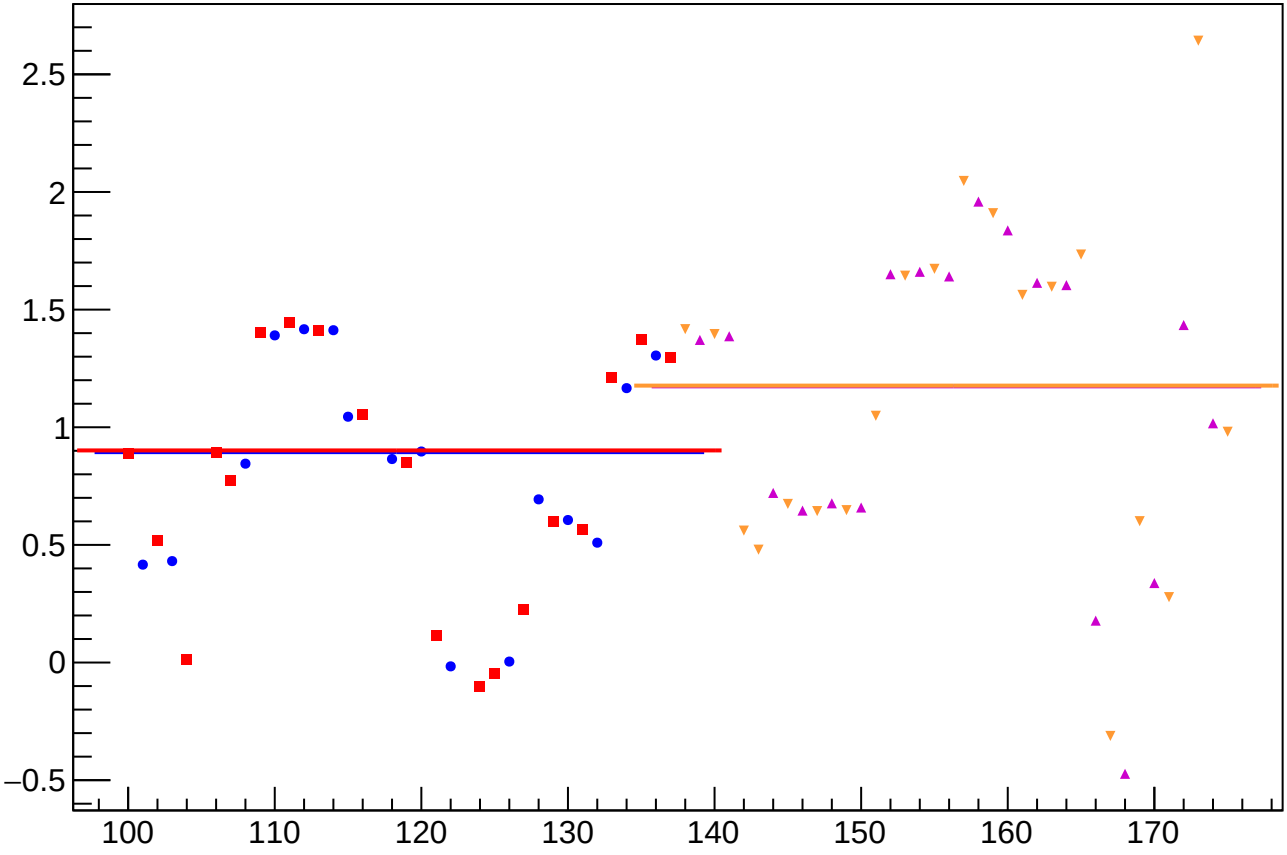
Left In: 0.035+/-0.000 χ^2/NDF:929409.6/17

+ sign 0.034+/-0.000 χ^2/NDF: 920270.6/35

All: 0.035+/-0.000 χ^2/NDF: 2159616.6/72

- sign 0.035+/-0.000 χ^2/NDF: 1225785.3/36

yield_bpm12Y_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.177+/-0.000 χ^2/NDF:85745409090.8/19

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

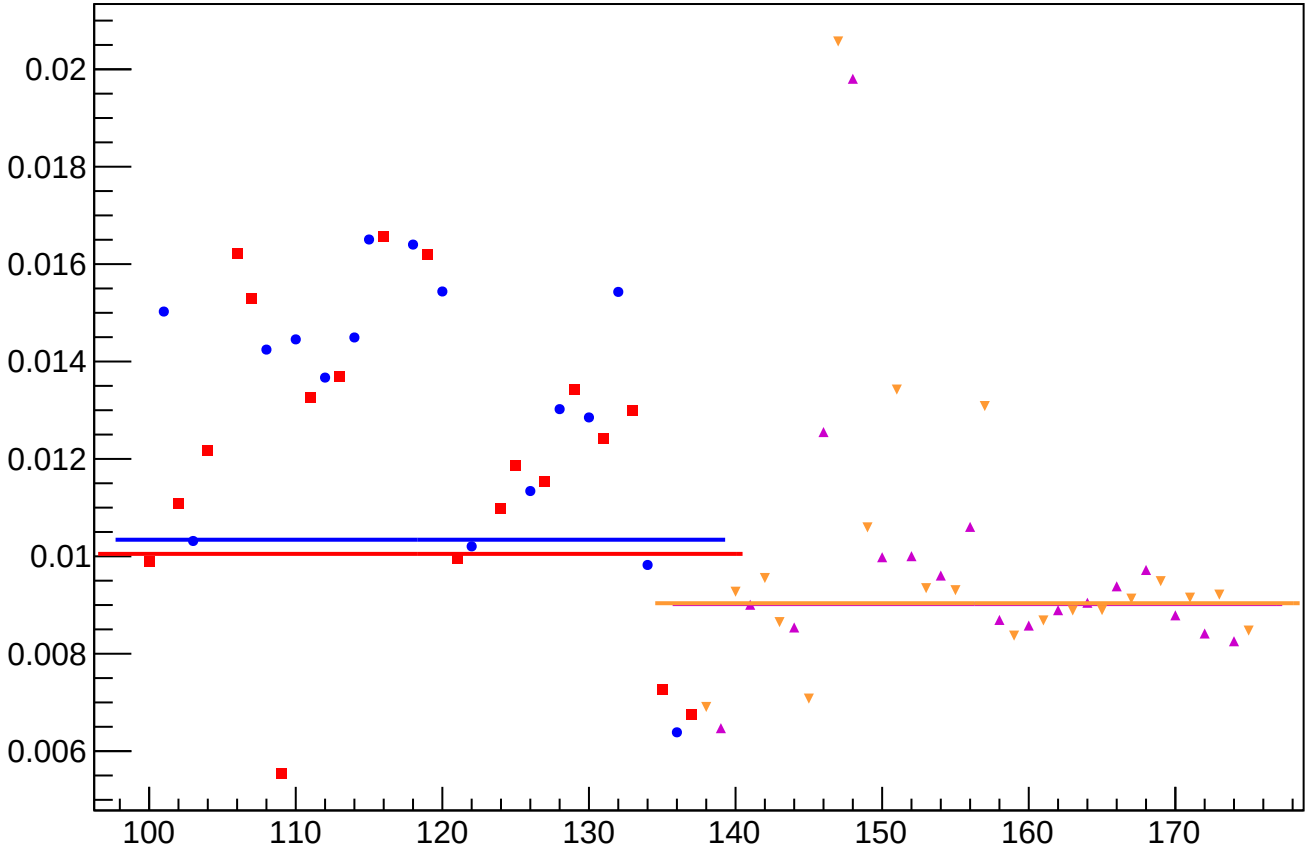
Left In: 1.174+/-0.000 χ^2/NDF:66083434375.5/17

+ sign 1.110+/-0.000 χ^2/NDF: 101893577842.4/35

All: 1.106+/-0.000 χ^2/NDF: 189166298680.4

- sign 1.102+/-0.000 χ^2/NDF: 87265489875.7/36

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1135510.6/19

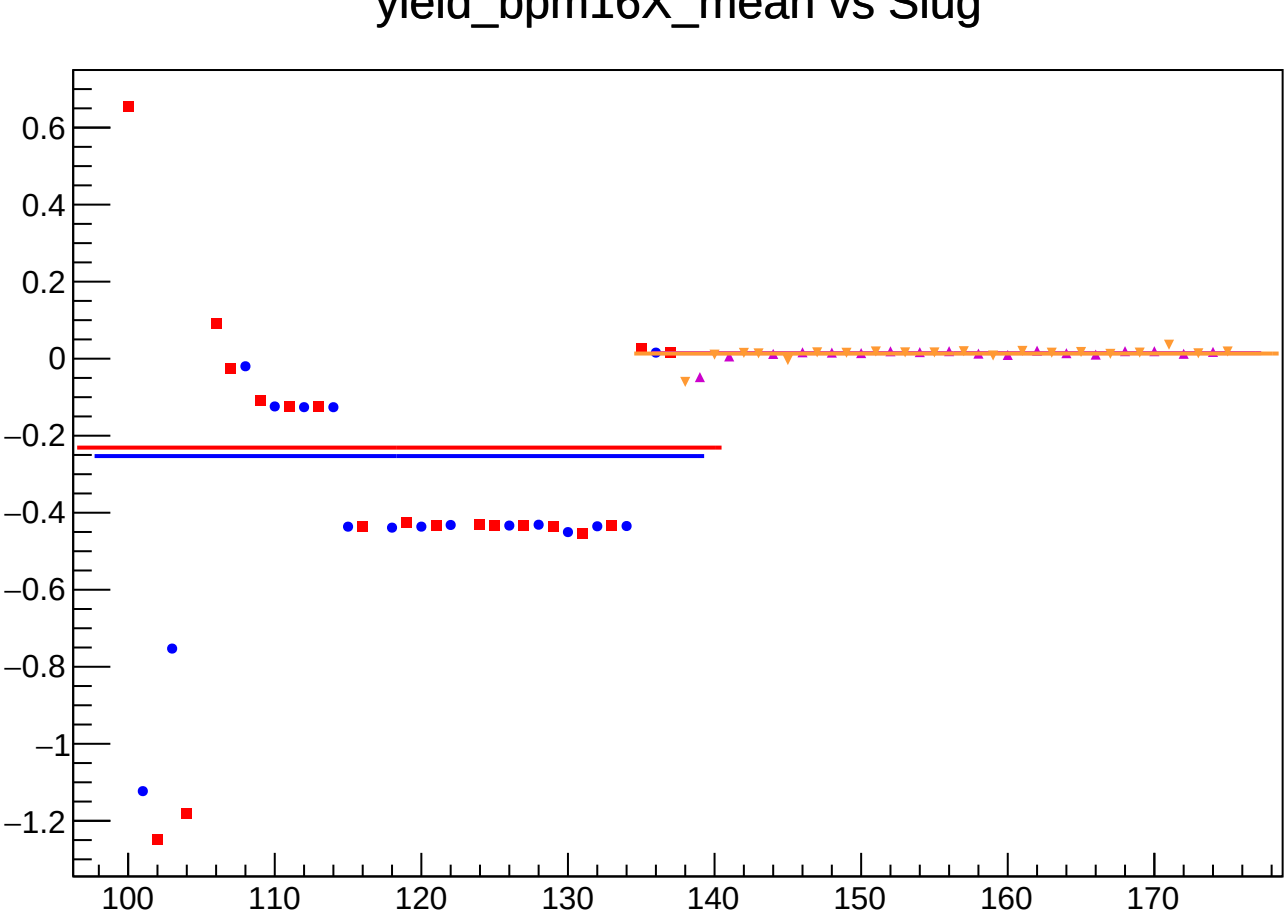
Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:952226.9/17

+ sign 0.009+/-0.000 χ^2/NDF: 2630521.4/35

All: 0.009+/-0.000 χ^2/NDF: 5014622.8/72

- sign 0.009+/-0.000 χ^2/NDF: 2383392.3/36



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.013+/-0.000 χ^2/NDF:27593073.5/19

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

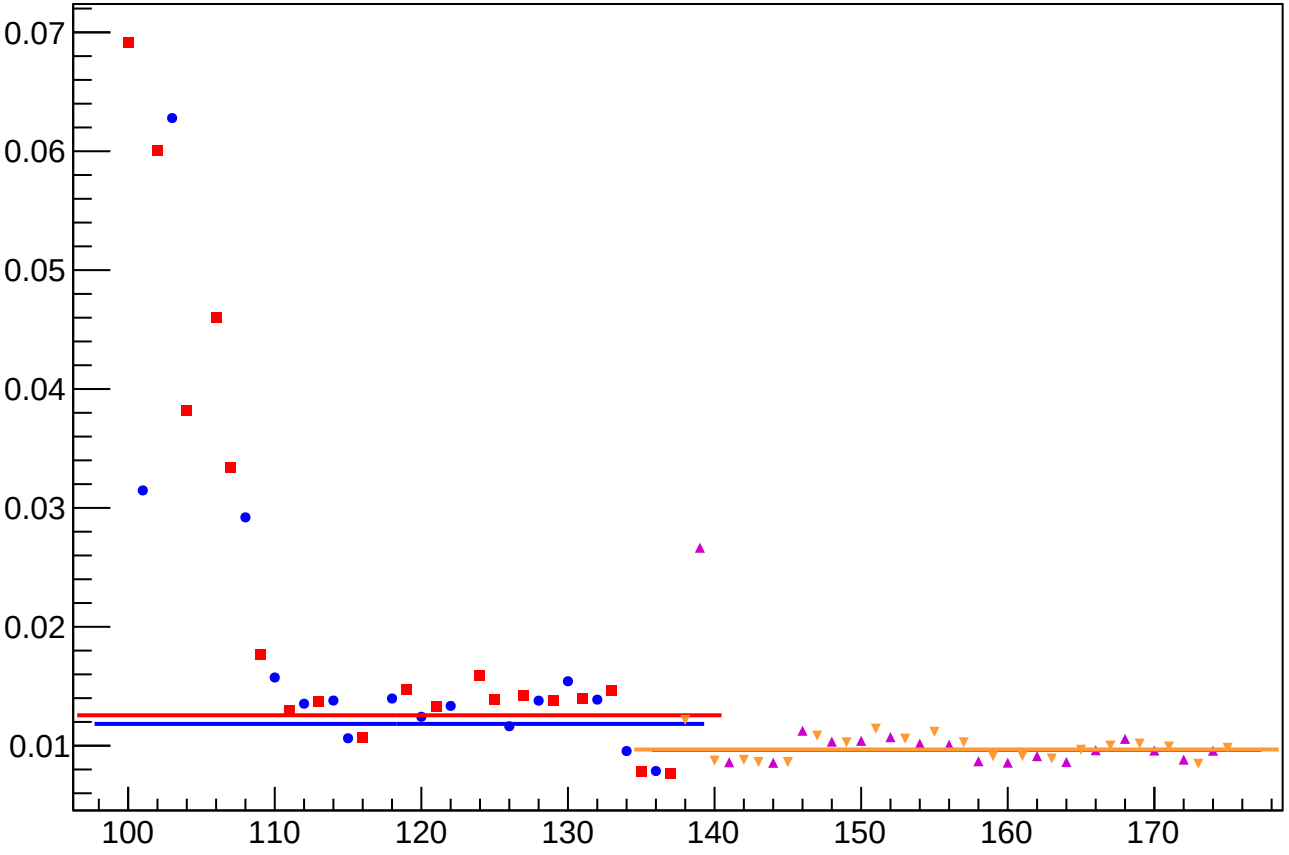
Left In: 0.014+/-0.000 χ^2/NDF:6807457.6/17

+ sign -0.040+/-0.000 χ^2/NDF: 4065140972.6/35

All: -0.037+/-0.000 χ^2/NDF: 7424648591.0/7

- sign -0.033+/-0.000 χ^2/NDF: 3355497560.6/36

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:254233.5/19

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

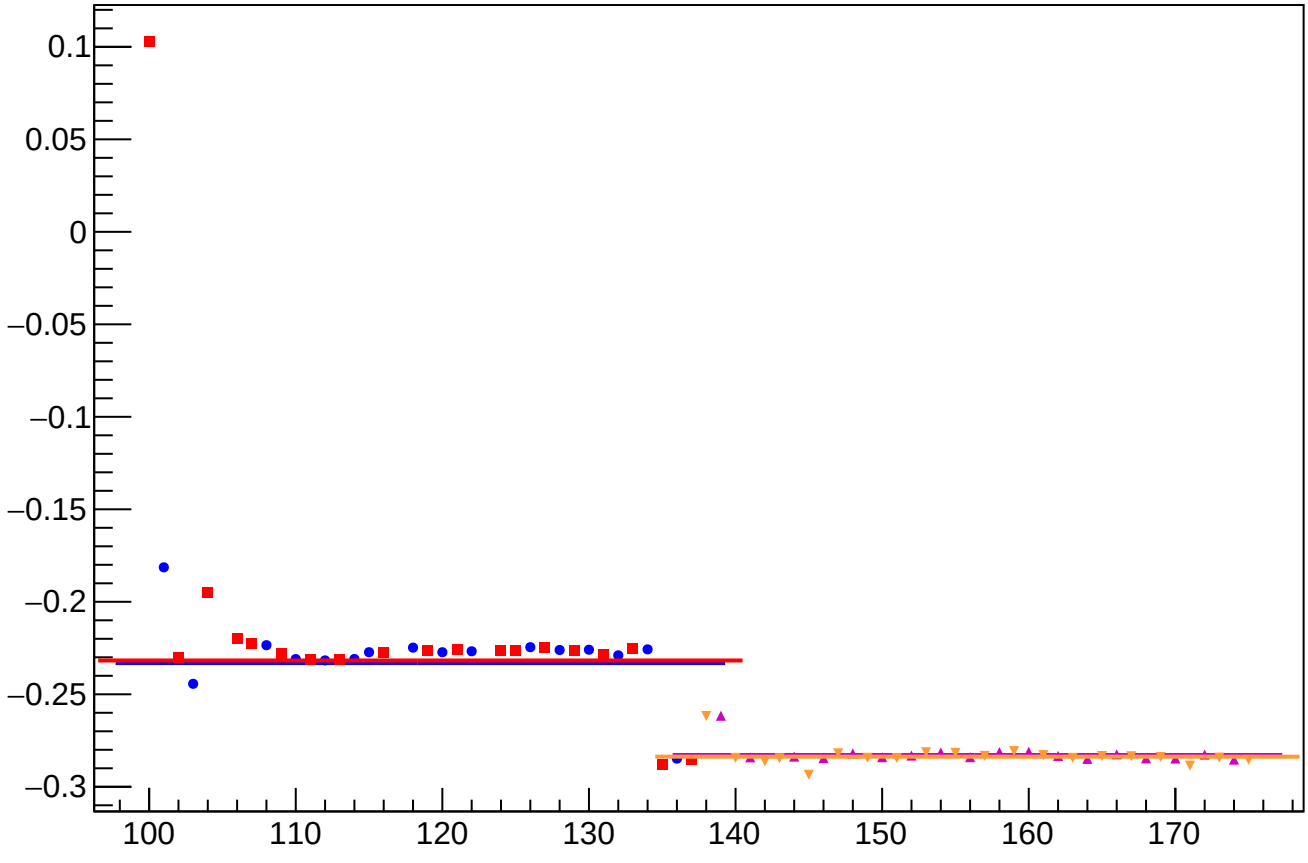
Left In: 0.010+/-0.000 χ^2/NDF:868126.7/17

+ sign 0.010+/-0.000 χ^2/NDF: 2459876.9/35

All: 0.010+/-0.000 χ^2/NDF: 5982858.4/72

- sign 0.010+/-0.000 χ^2/NDF: 3521468.2/36

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.284+/-0.000 χ^2/NDF:15927172.1/19

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

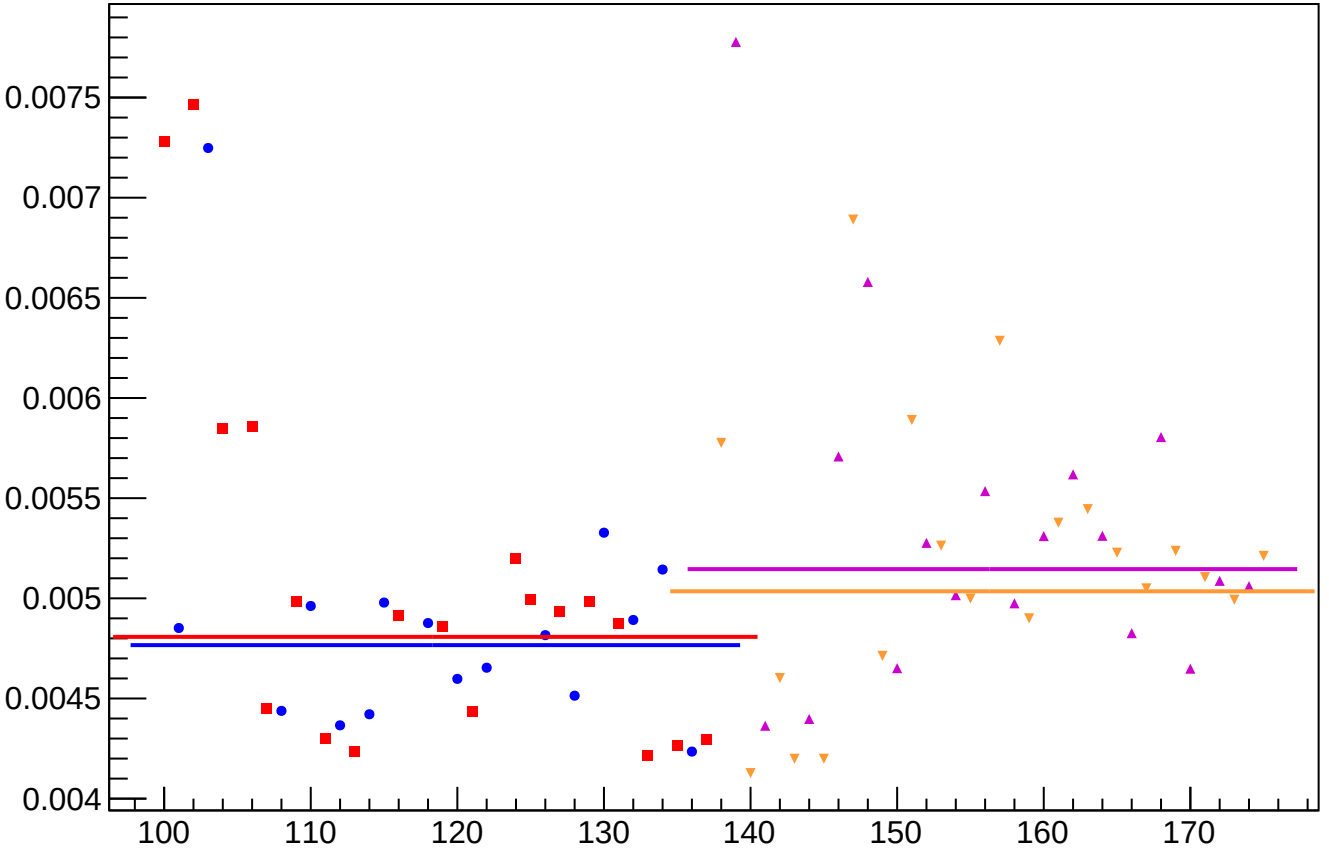
Left In: -0.283+/-0.000 χ^2/NDF:6978695.1/17

+ sign -0.267+/-0.000 χ^2/NDF: 703032676.8/35

All: -0.266+/-0.000 χ^2/NDF: 1487462081.7/7

- sign -0.265+/-0.000 χ^2/NDF: 781767727.1/36

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:458451.4/19

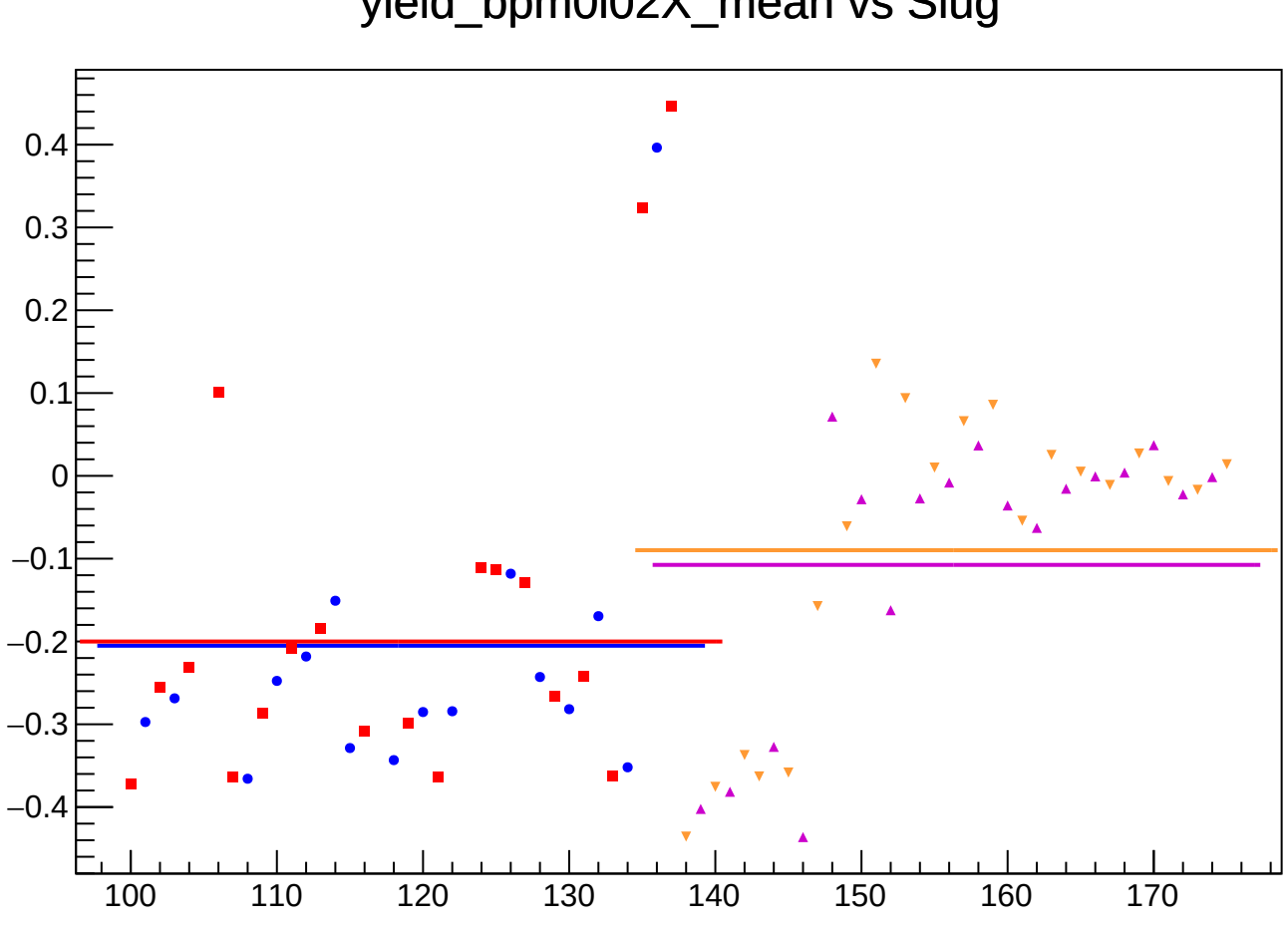
Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:463838.9/17

+ sign 0.005+/-0.000 χ^2/NDF: 677710.6/35

All: 0.005+/-0.000 χ^2/NDF: 1483158.9/72

- sign 0.005+/-0.000 χ^2/NDF: 800296.5/36



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.090+/-0.000 χ^2/NDF:16460108817.9/19

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

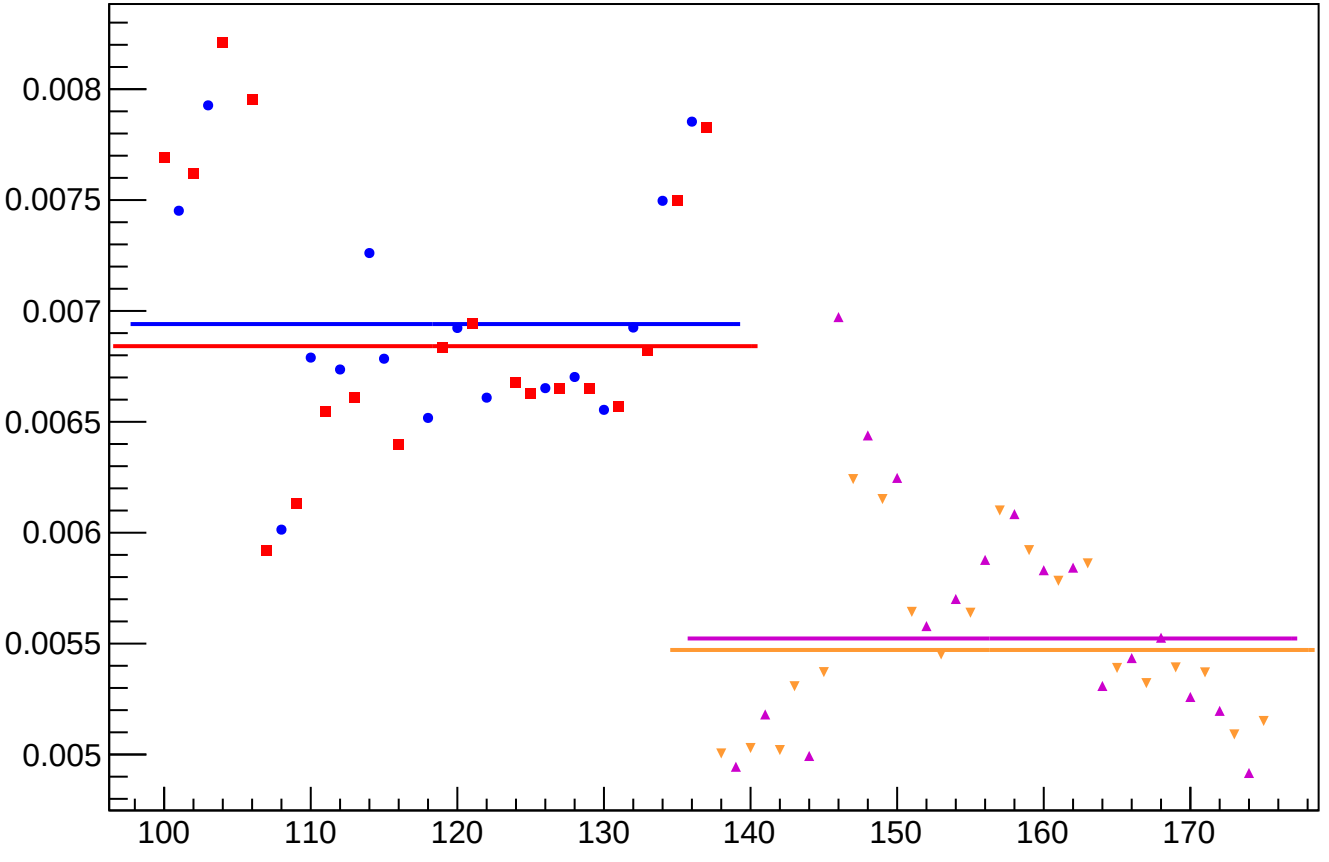
Left In: -0.108+/-0.000 χ^2/NDF:12277878047.3/17

+ sign -0.116+/-0.000 χ^2/NDF: 24152348582.0/35

All: -0.123+/-0.000 χ^2/NDF: 42737154367.9/

- sign -0.131+/-0.000 χ^2/NDF: 18513885118.6/36

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:131995.6/19

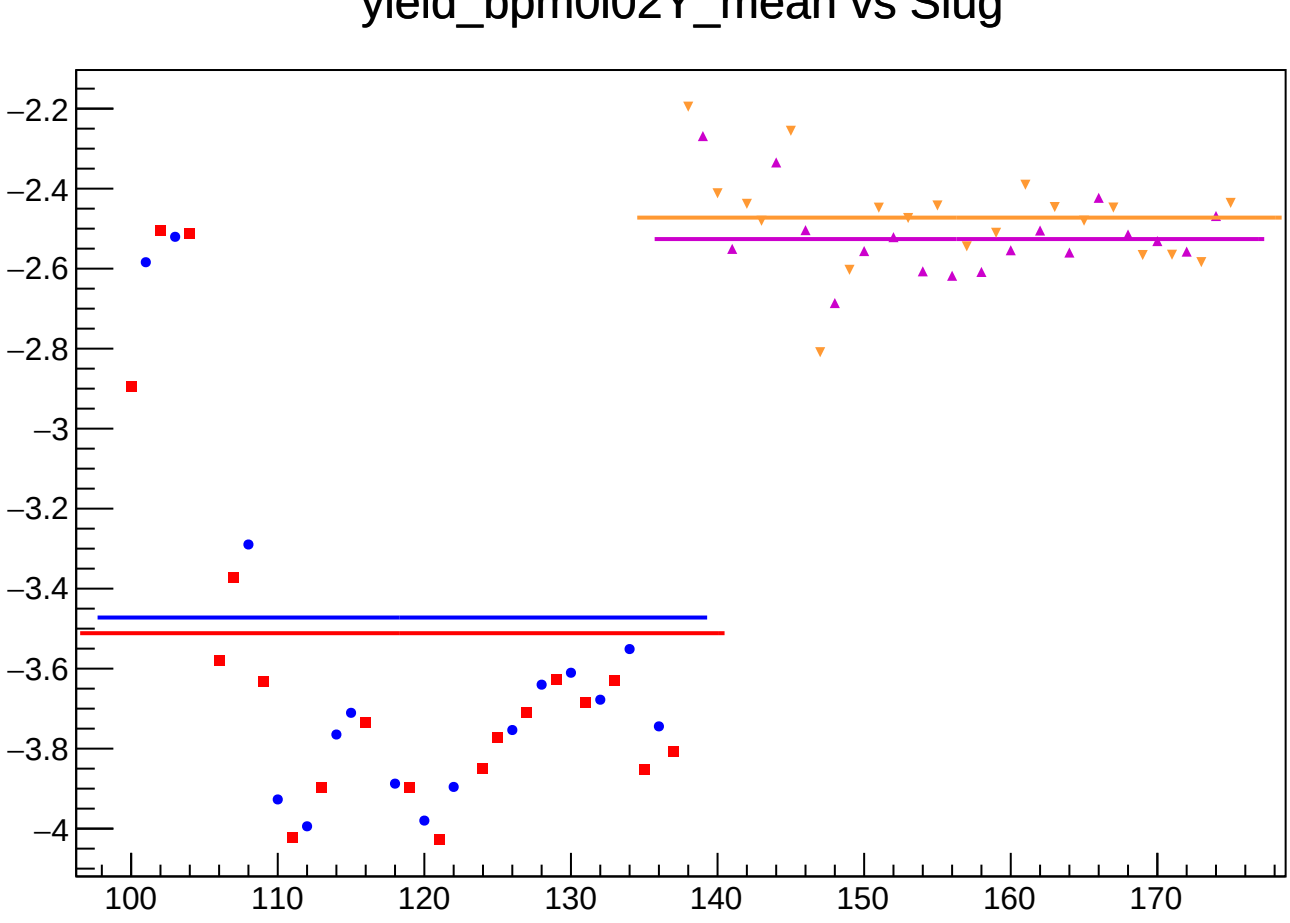
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:229975.8/17

+ sign 0.006+/-0.000 χ^2/NDF: 705146.7/35

All: 0.006+/-0.000 χ^2/NDF: 1436867.9/72

- sign 0.006+/-0.000 χ^2/NDF: 729985.6/36



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.472+/-0.000 χ^2/NDF:2057050600.8/19

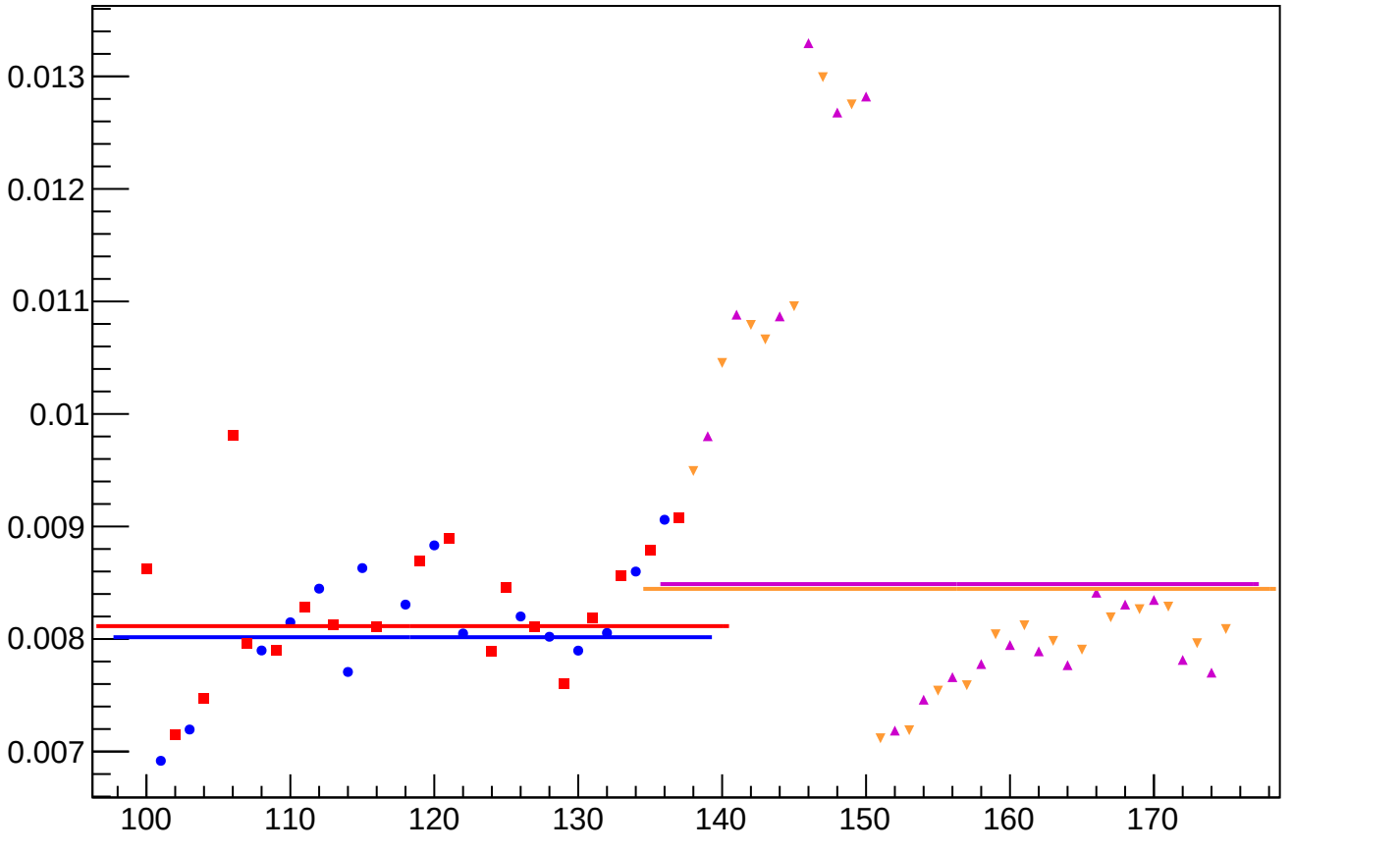
Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.526+/-0.000 χ^2/NDF:1454133752.2/17

+ sign -2.818+/-0.000 χ^2/NDF: 102729922443.9/35

All: -2.850+/-0.000 χ^2/NDF: 201426692346.9

- sign -2.883+/-0.000 χ^2/NDF: 98055276310.1/36



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:759006.1/19

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

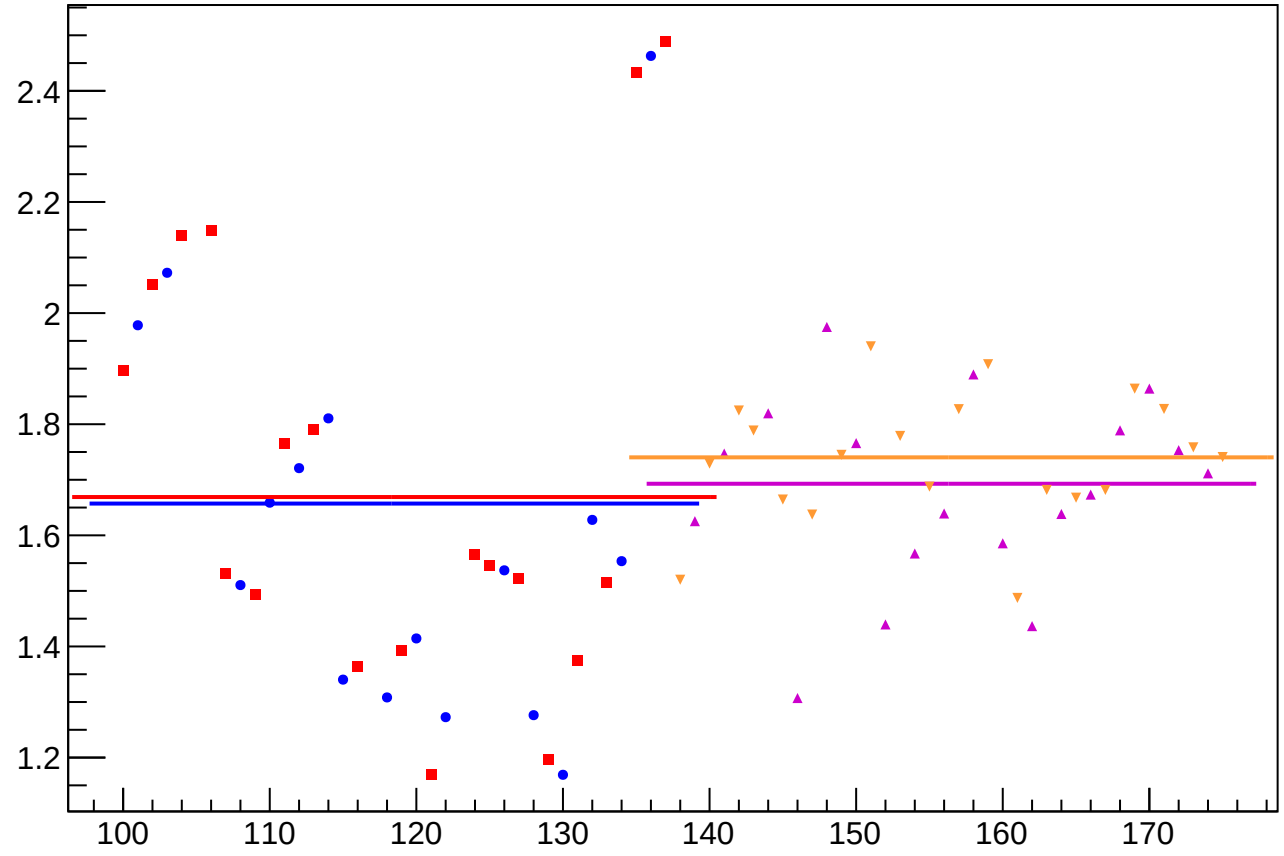
Left In: 0.008+/-0.000 χ^2/NDF:884477.1/17

+ sign 0.008+/-0.000 χ^2/NDF: 871482.1/35

All: 0.008+/-0.000 χ^2/NDF: 1847209.7/72

- sign 0.008+/-0.000 χ^2/NDF: 974773.1/36

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.740+/-0.000 χ^2/NDF:1515606439.2/19

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

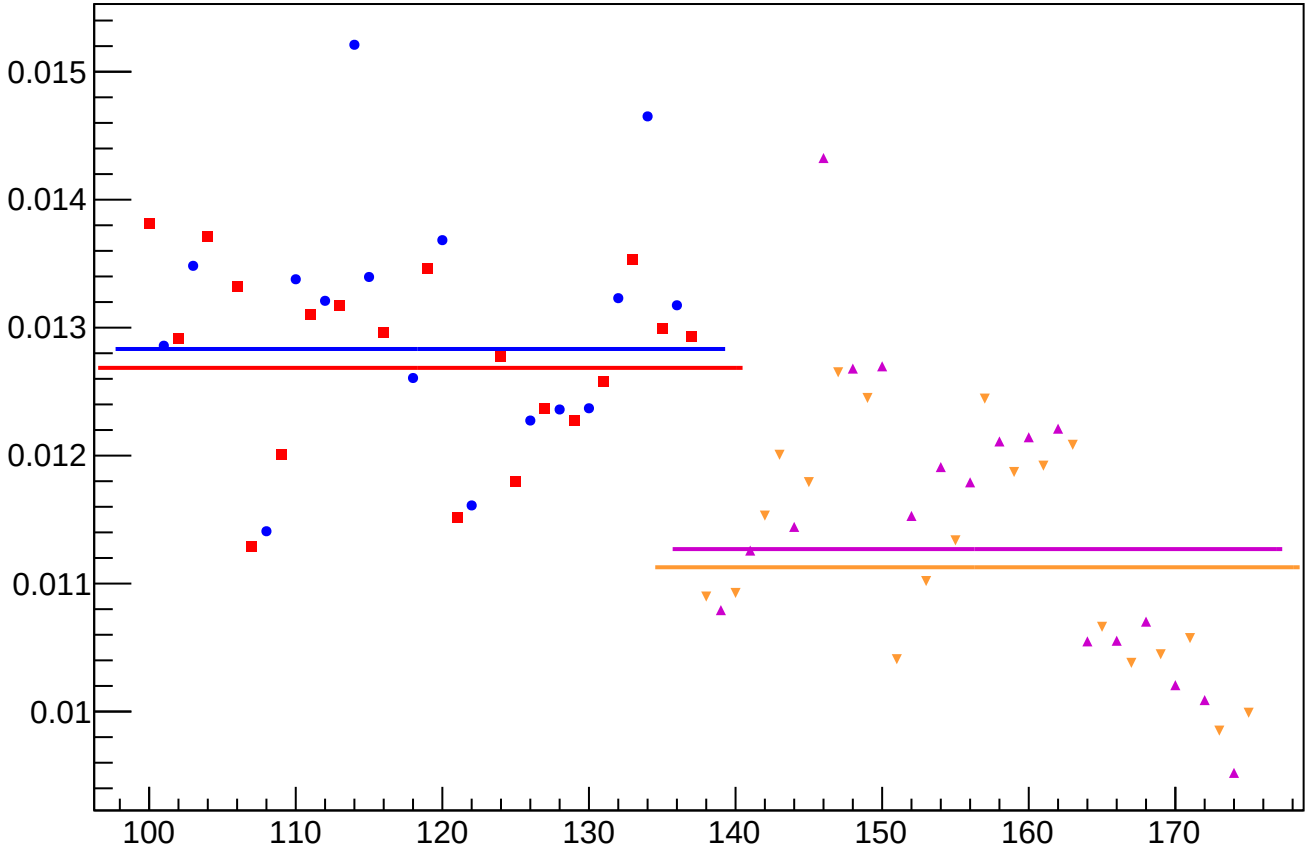
Left In: 1.693+/-0.000 χ^2/NDF:2560254246.5/17

+ sign 1.719+/-0.000 χ^2/NDF: 8400086260.3/35

All: 1.703+/-0.000 χ^2/NDF: 17422133022.0/7

- sign 1.686+/-0.000 χ^2/NDF: 8936048508.2/36

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:172465.3/19

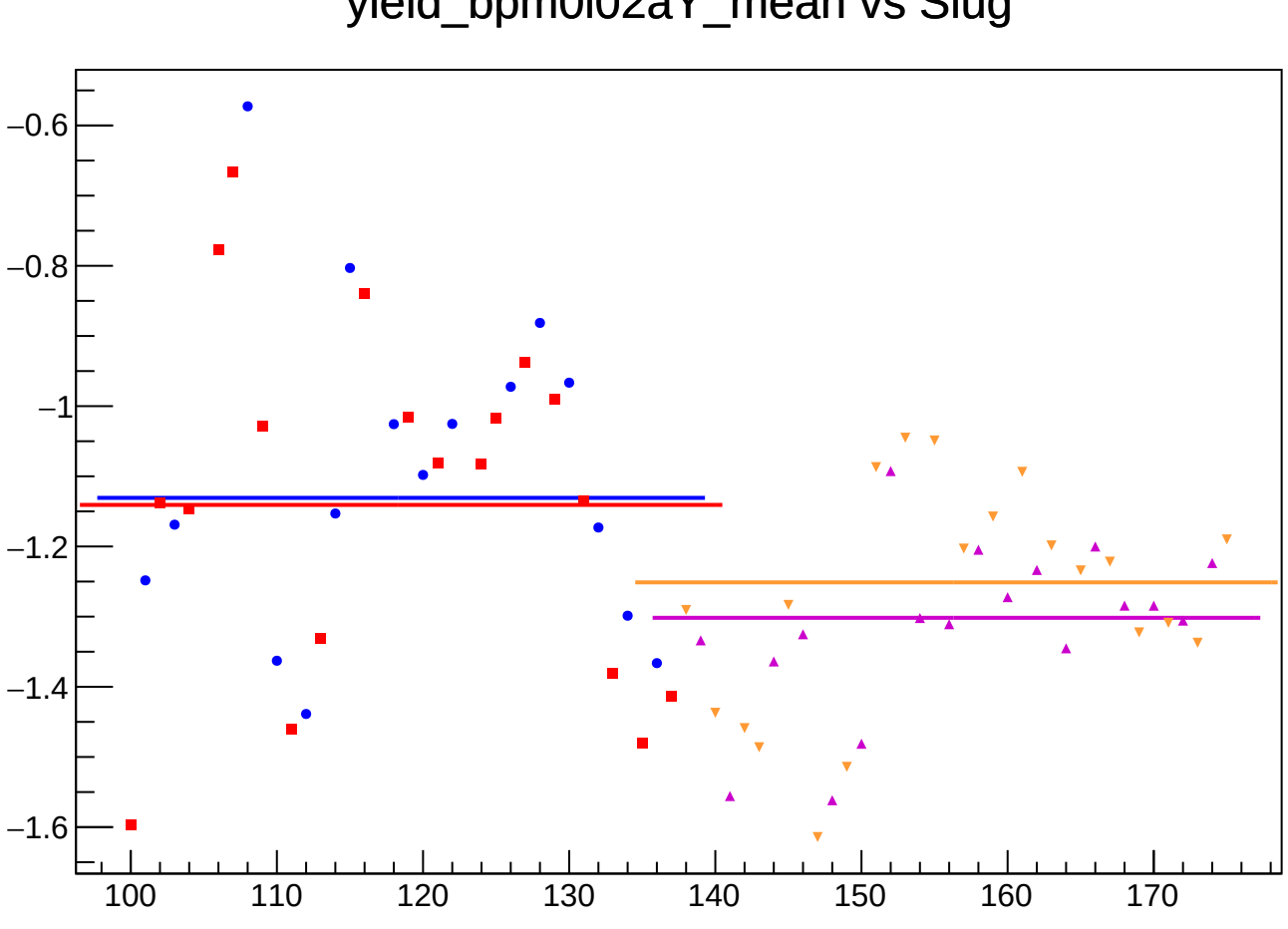
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:260140.2/17

+ sign 0.012+/-0.000 χ^2/NDF: 408603.6/35

All: 0.012+/-0.000 χ^2/NDF: 841670.1/72

- sign 0.012+/-0.000 χ^2/NDF: 431154.3/36



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.251+/-0.000 χ^2/NDF:4671708937.5/19

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

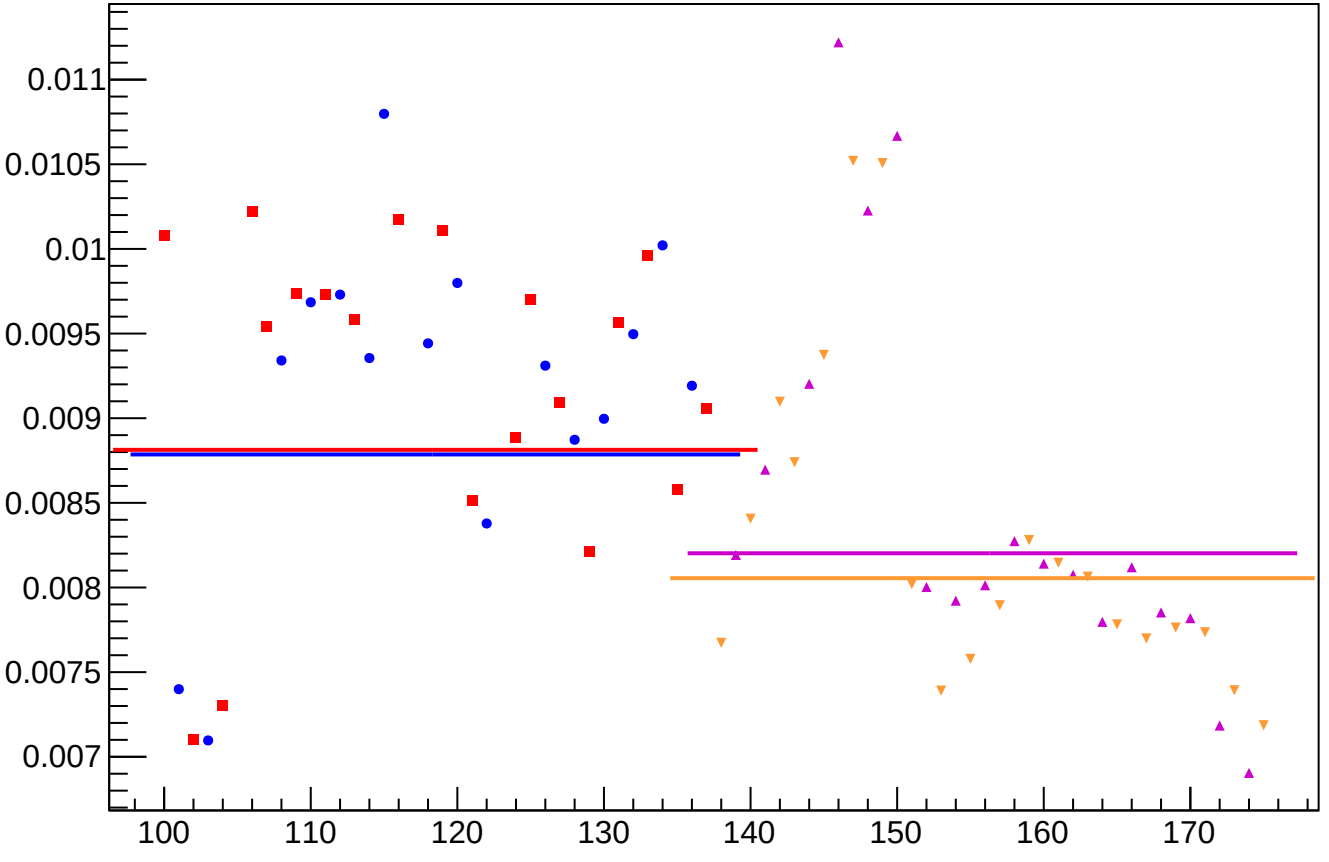
Left In: -1.302+/-0.000 χ^2/NDF:2399861086.9/17

+ sign -1.217+/-0.000 χ^2/NDF: 9386390198.2/35

All: -1.234+/-0.000 χ^2/NDF: 17133524339.3/

- sign -1.253+/-0.000 χ^2/NDF: 7554647515.9/36

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:272508.1/19

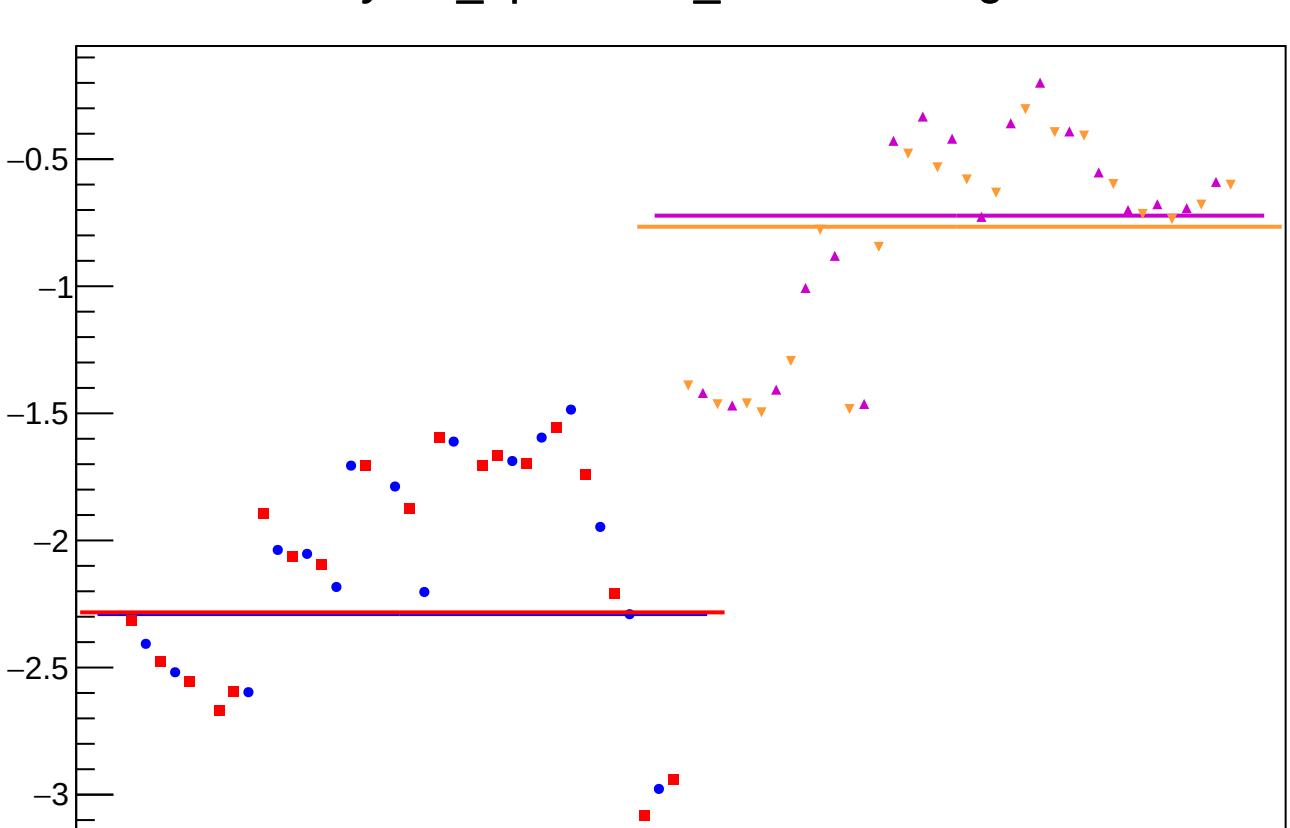
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:369649.8/17

+ sign 0.008+/-0.000 χ^2/NDF: 514042.1/35

All: 0.008+/-0.000 χ^2/NDF: 1139461.9/72

- sign 0.008+/-0.000 χ^2/NDF: 620533.2/36



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.766+/-0.000 χ^2/NDF:33646550981.6/19

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

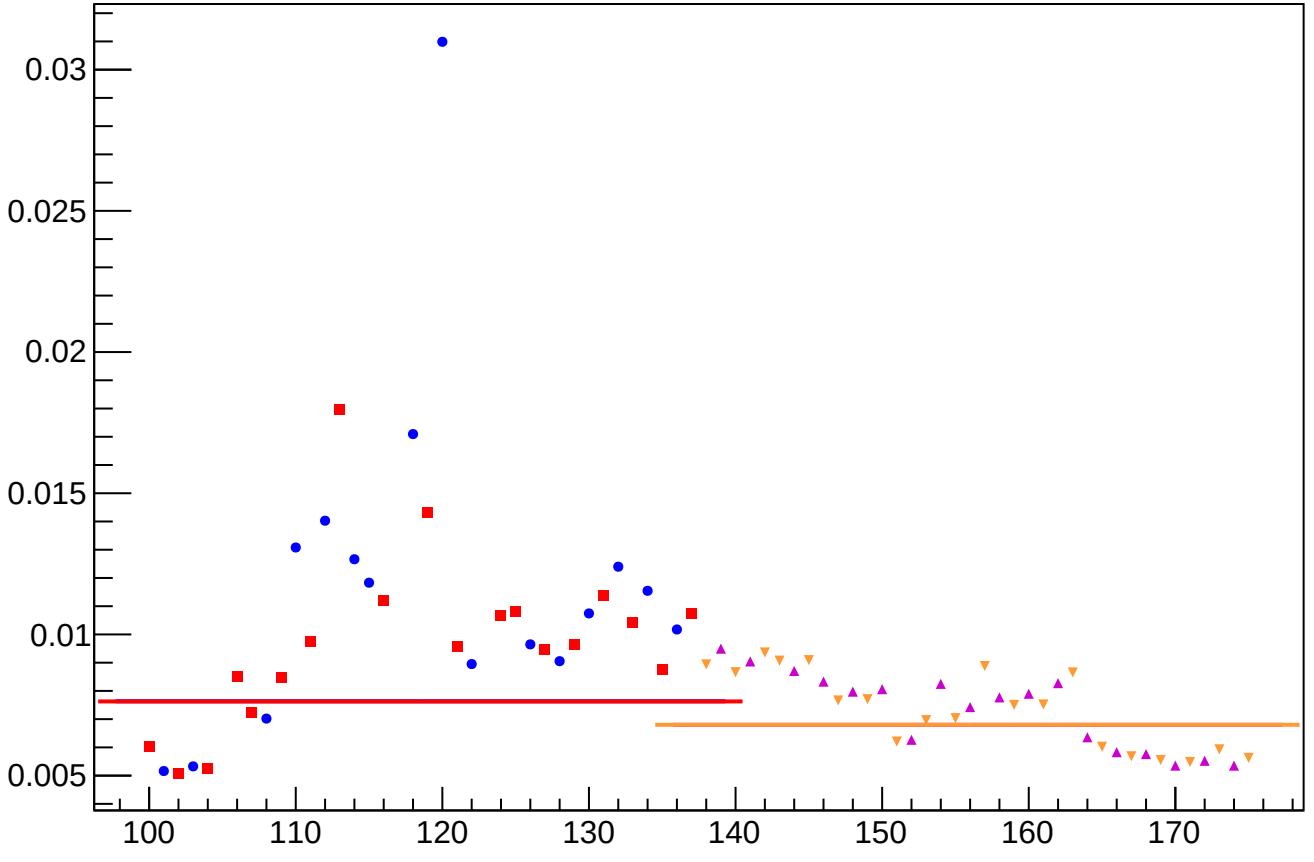
Left In: -0.722+/-0.000 χ^2/NDF:33314774522.6/17

+ sign -1.116+/-0.000 χ^2/NDF: 204873467479.9/35

All: -1.121+/-0.000 χ^2/NDF: 427408225998.4

- sign -1.125+/-0.000 χ^2/NDF: 222520457852.7/36

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:945341.8/19

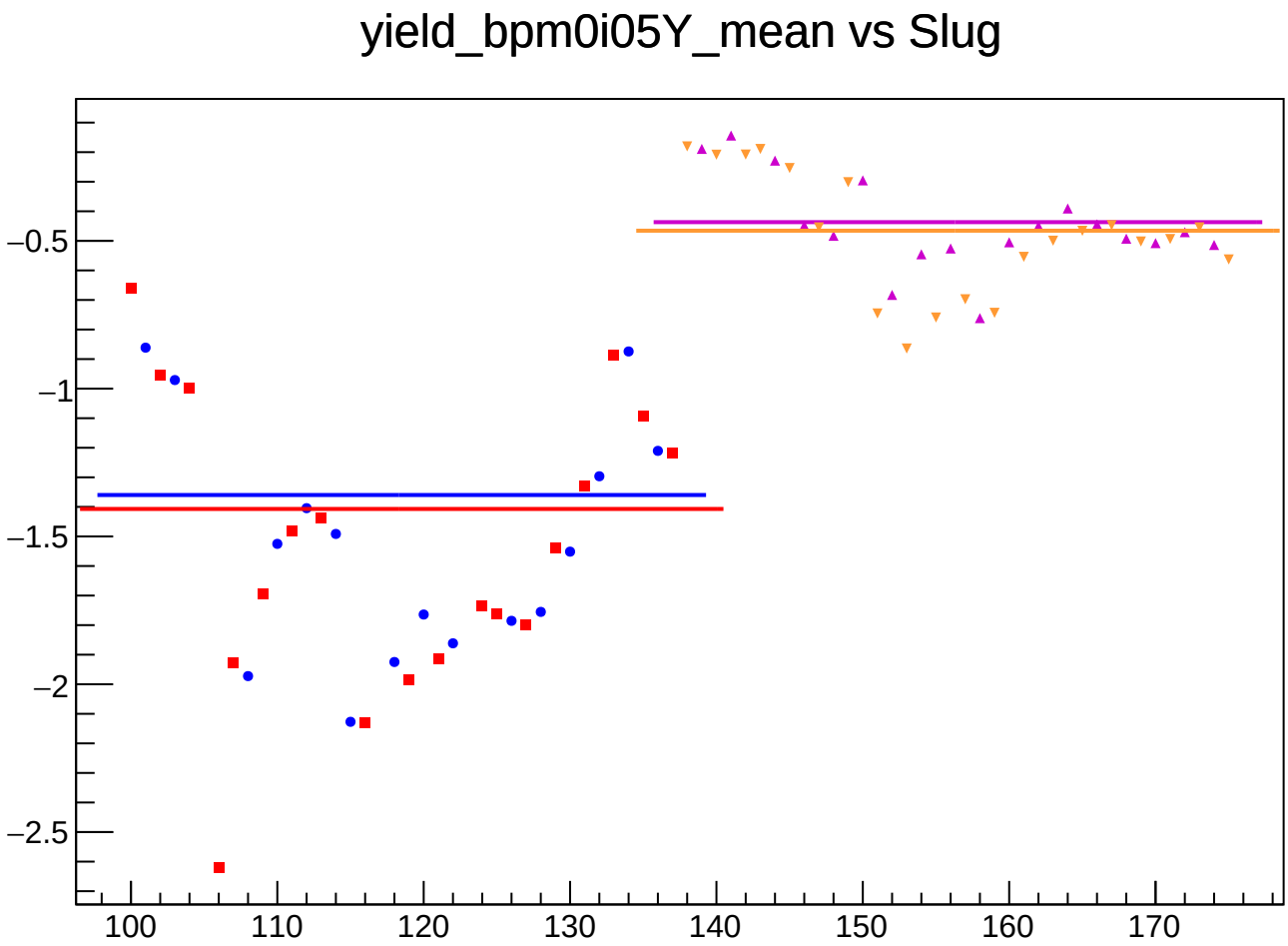
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:983596.1/17

+ sign 0.007+/-0.000 χ^2/NDF: 2749278.5/35

All: 0.007+/-0.000 χ^2/NDF: 5148016.8/72

- sign 0.007+/-0.000 χ^2/NDF: 2398581.4/36



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.466+/-0.000 χ^2/NDF:28429538114.7/19

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

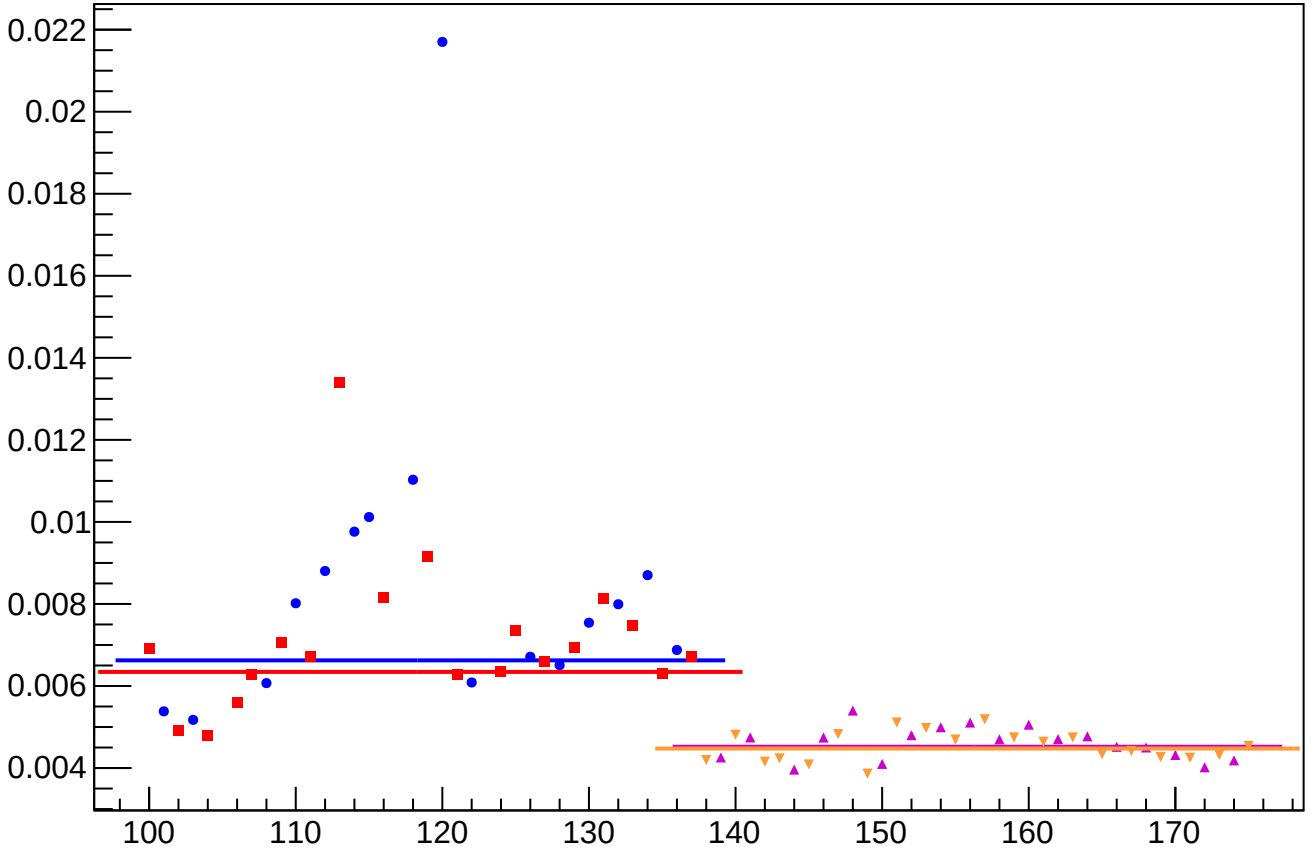
Left In: -0.437+/-0.000 χ^2/NDF:16421129668.6/17

+ sign -0.605+/-0.000 χ^2/NDF: 138973211854.7/35

All: -0.612+/-0.000 χ^2/NDF: 301518060593.6

- sign -0.619+/-0.000 χ^2/NDF: 162456238666.7/36

yield_bpm0i05Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:169977.9/19

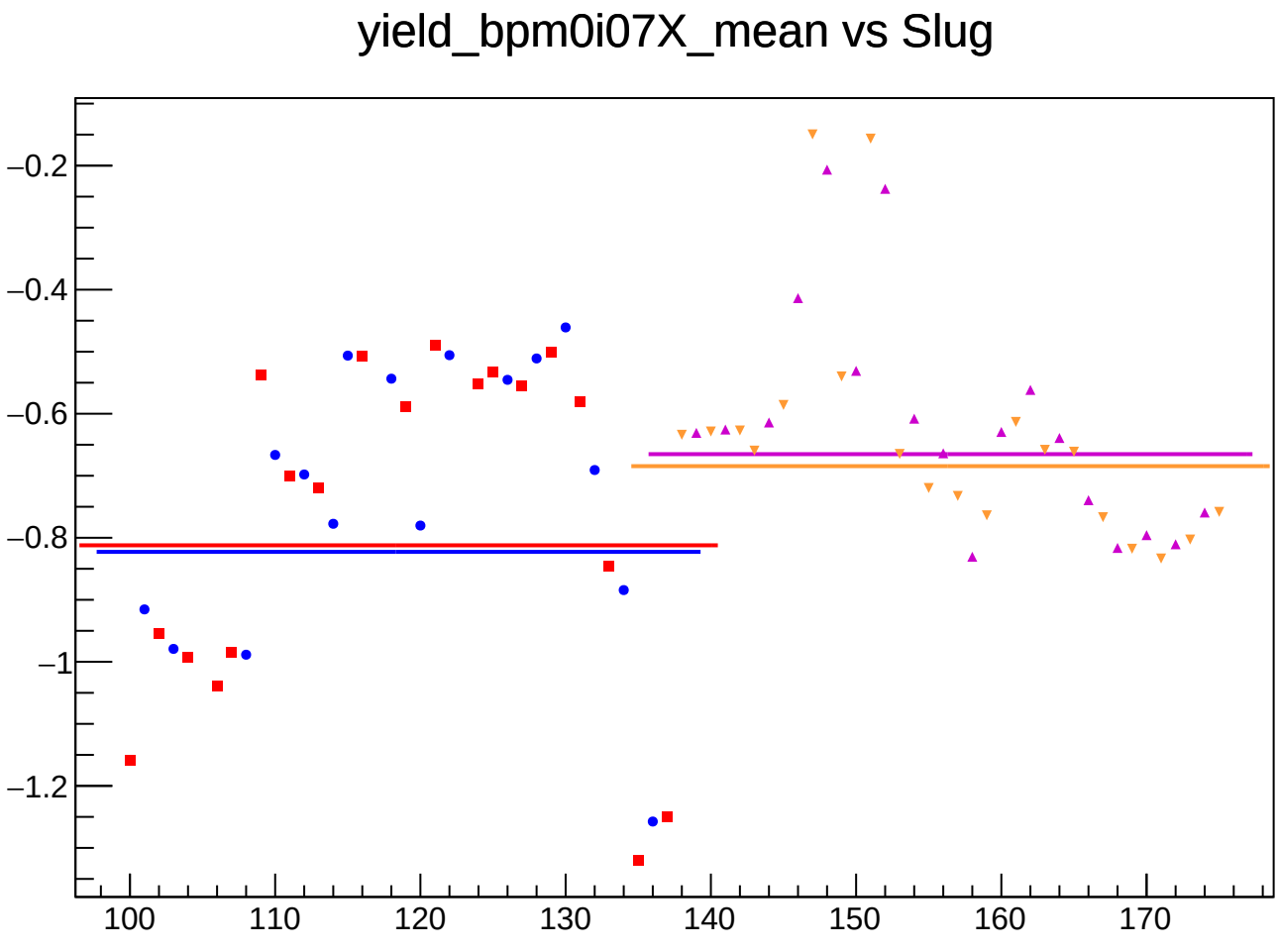
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:197766.5/17

+ sign 0.005+/-0.000 χ^2/NDF: 1893385.5/35

All: 0.005+/-0.000 χ^2/NDF: 3443641.3/72

- sign 0.005+/-0.000 χ^2/NDF: 1547863.1/36



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.685+/-0.000 χ^2/NDF:22307134846.8/19

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

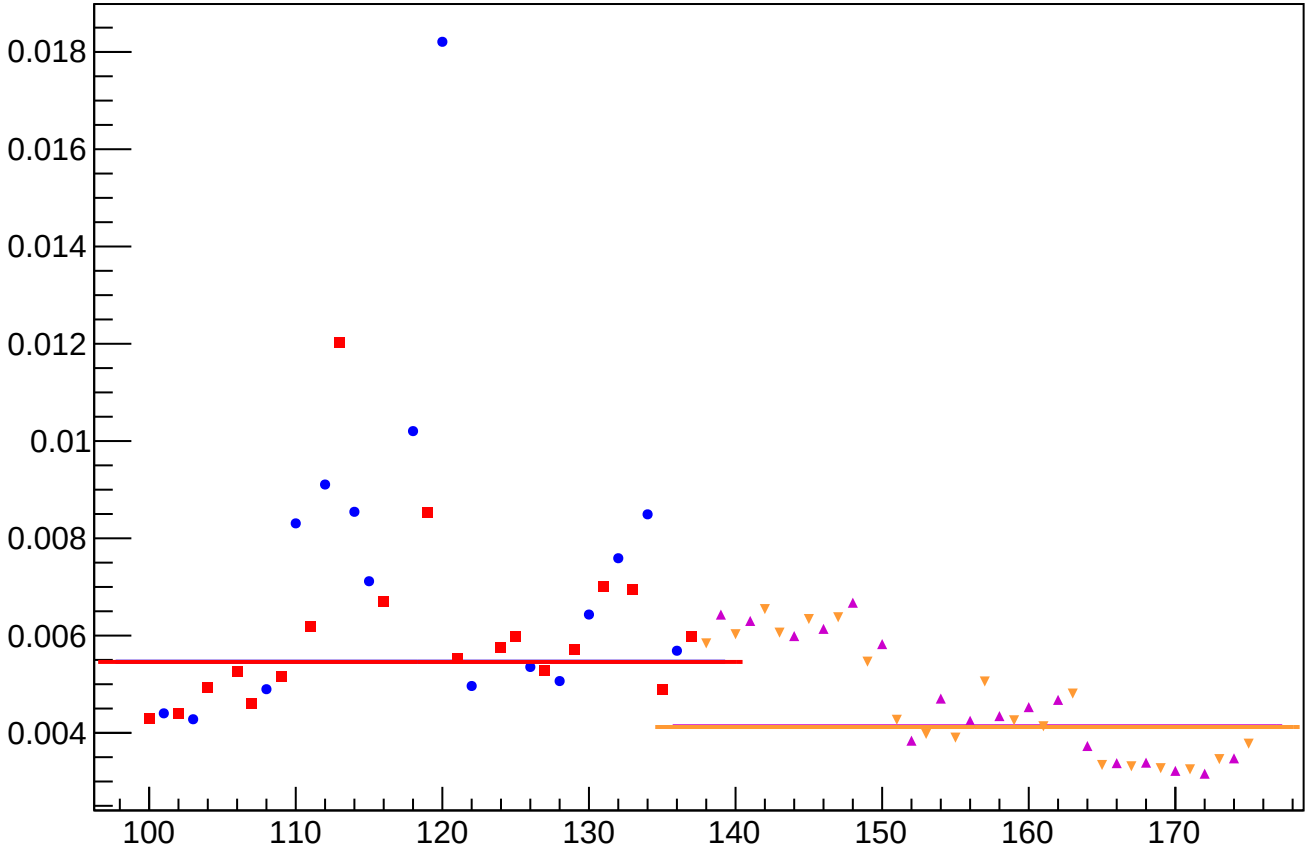
Left In: -0.665+/-0.000 χ^2/NDF:22379226702.0/17

+ sign -0.711+/-0.000 χ^2/NDF: 37391660326.2/35

All: -0.704+/-0.000 χ^2/NDF: 78105225635.6/

- sign -0.697+/-0.000 χ^2/NDF: 40621852778.2/36

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1486680.5/19

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

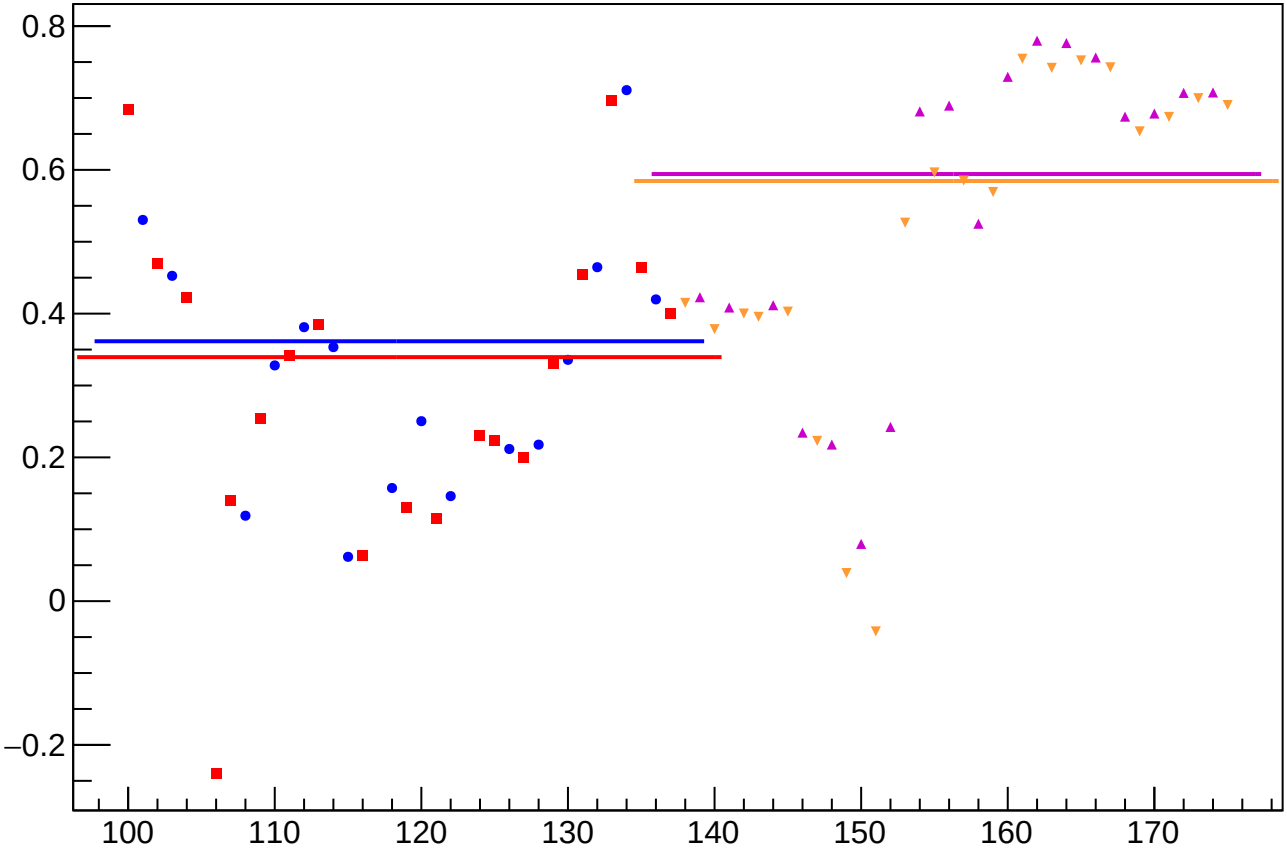
Left In: 0.004+/-0.000 χ^2/NDF:1602733.5/17

\+ sign 0.004+/-0.000 χ^2/NDF: 2987942.8/35

All: 0.004+/-0.000 χ^2/NDF: 5653860.7/72

\- sign 0.004+/-0.000 χ^2/NDF: 2663895.2/36

yield_bpm0i07Y_mean vs Slug



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.585+/-0.000 χ^2/NDF:41468480343.9/19

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

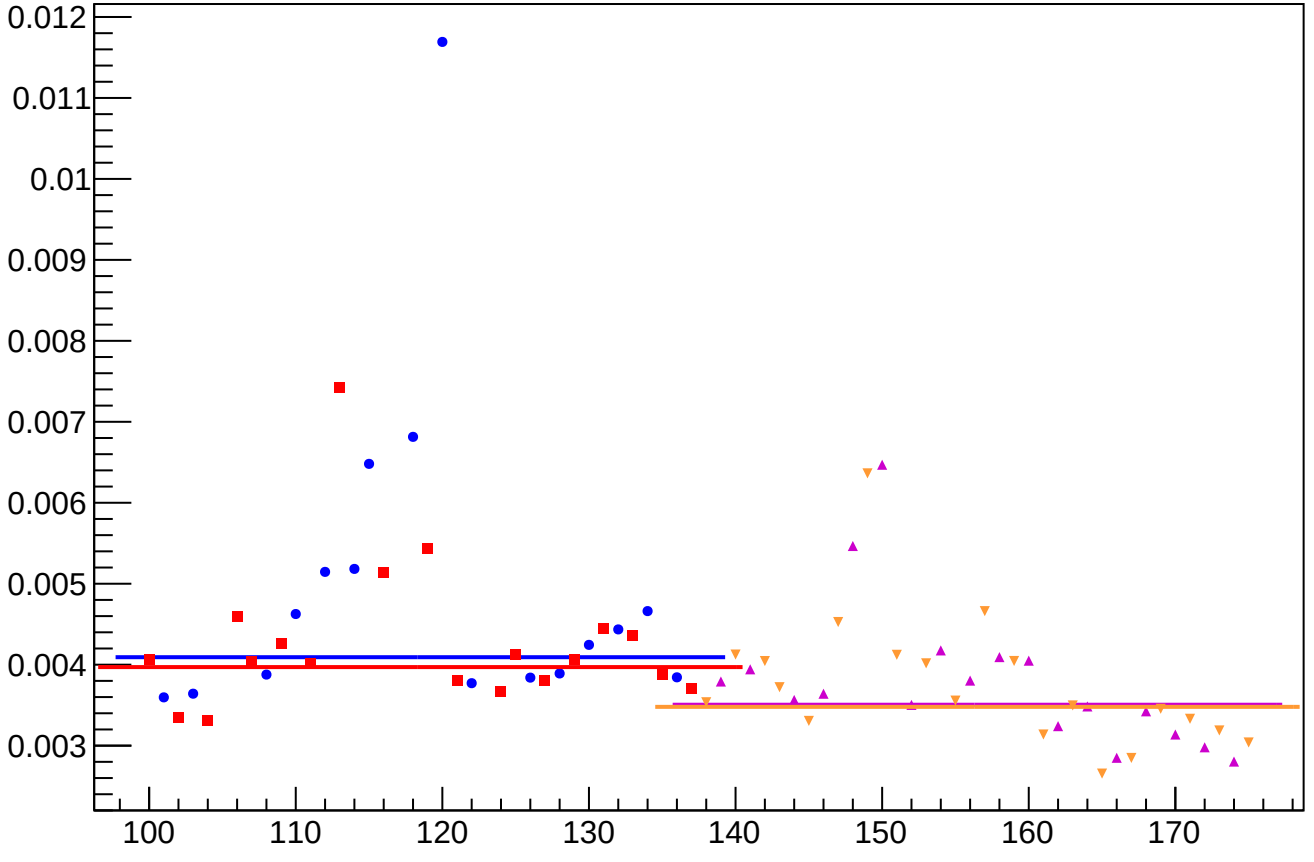
Left In: 0.594+/-0.000 χ^2/NDF:36356270717.0/17

+ sign 0.527+/-0.000 χ^2/NDF: 63775970107.3/35

All: 0.524+/-0.000 χ^2/NDF: 130902807170.0

- sign 0.520+/-0.000 χ^2/NDF: 67082656867.1/36

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:801423.7/19

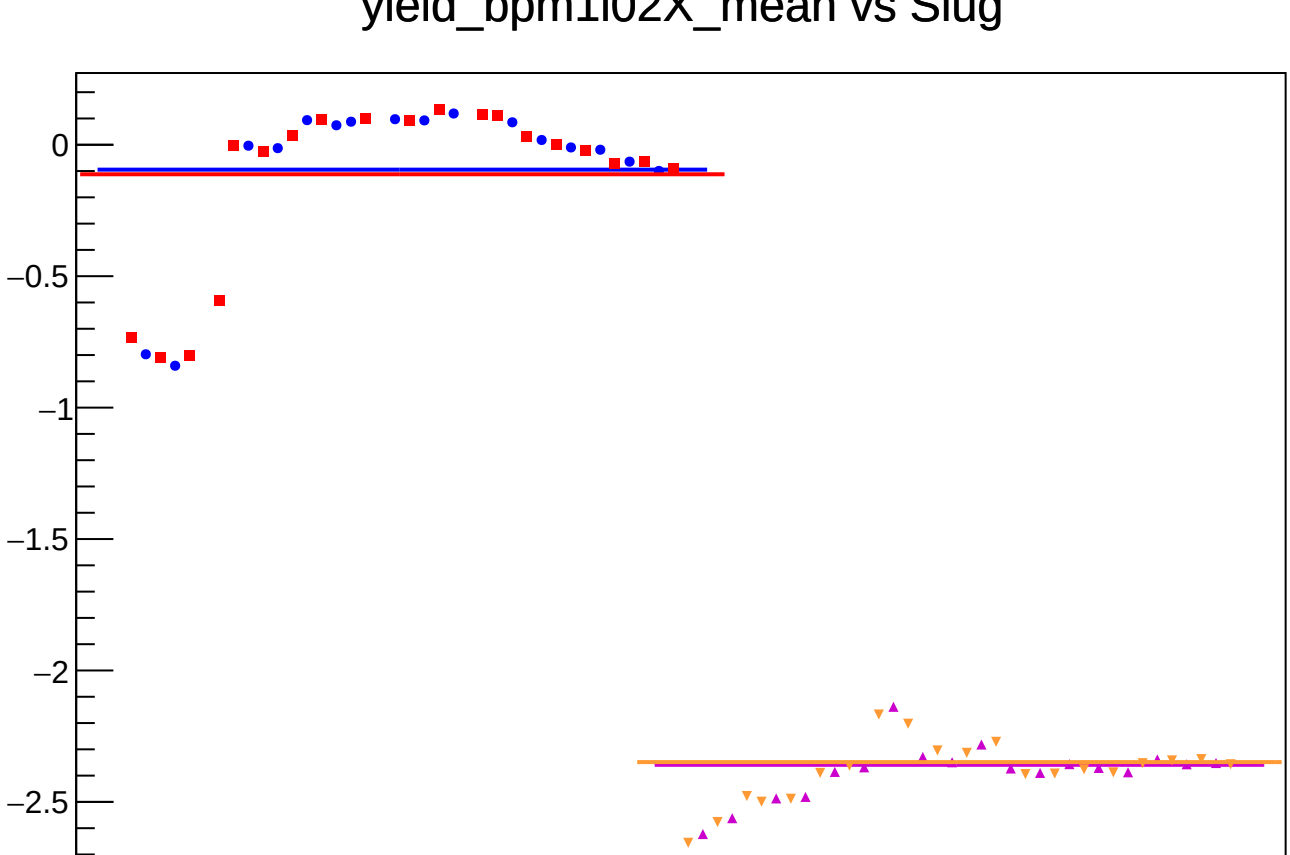
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:820757.0/17

+ sign 0.004+/-0.000 χ^2/NDF: 1497983.6/35

All: 0.004+/-0.000 χ^2/NDF: 2756758.2/72

- sign 0.004+/-0.000 χ^2/NDF: 1258729.4/36



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.349+/-0.000 χ^2/NDF:1675016269.0/19

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

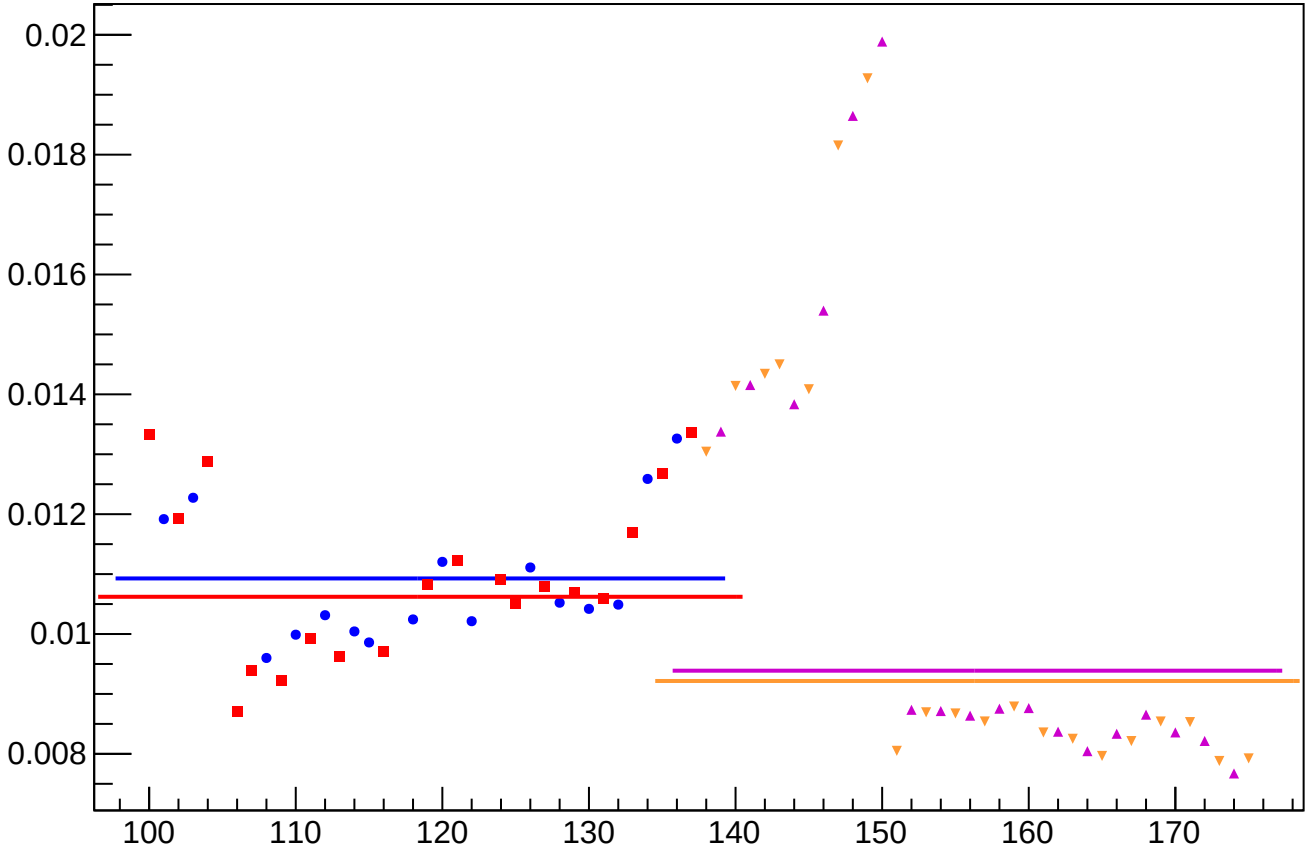
Left In: -2.359+/-0.000 χ^2/NDF:1297902757.8/17

+ sign -1.772+/-0.000 χ^2/NDF: 232685544786.7/35

All: -1.735+/-0.000 χ^2/NDF: 473422174489.2

- sign -1.697+/-0.000 χ^2/NDF: 240091032689.8/36

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:1968697.5/19

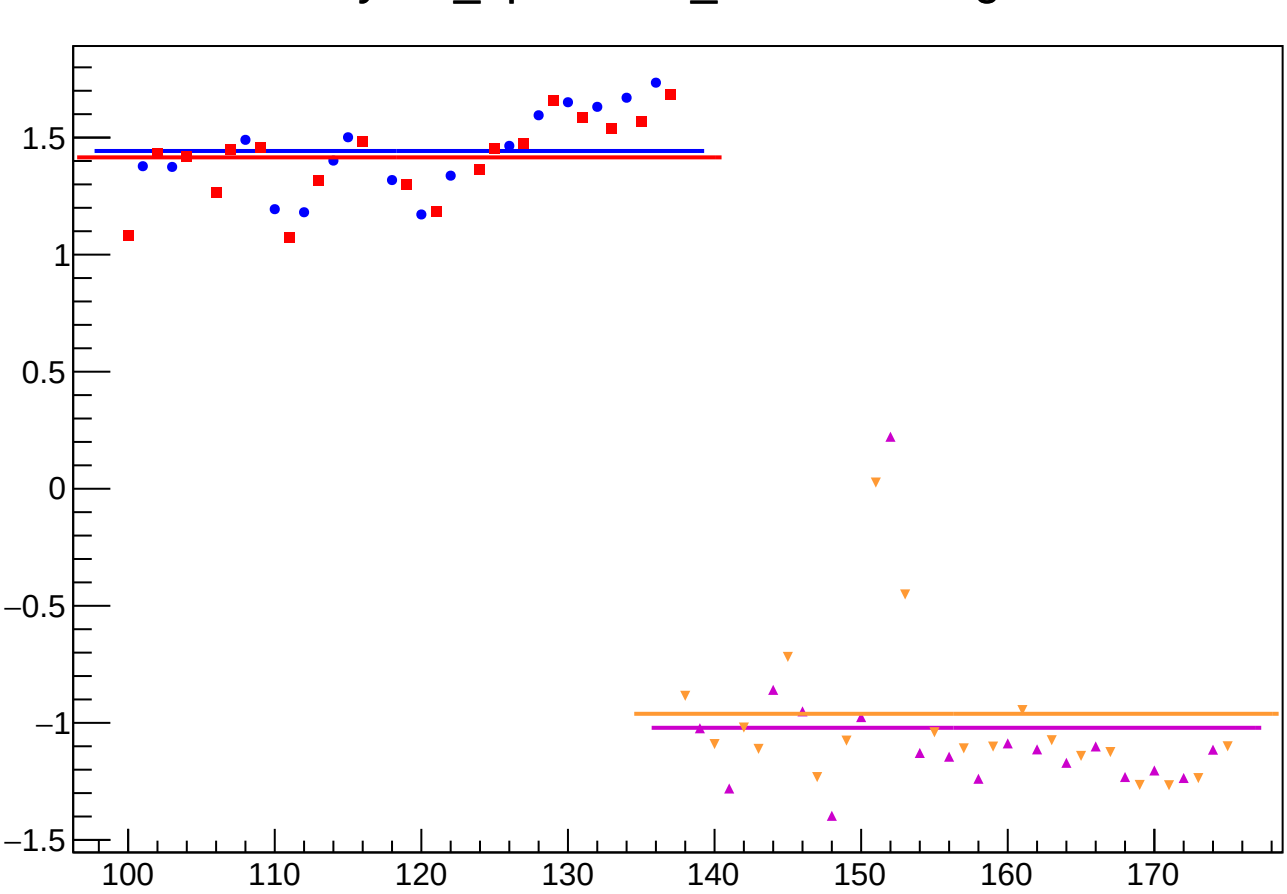
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.009+/-0.000 χ^2/NDF:1994897.3/17

+ sign 0.010+/-0.000 χ^2/NDF: 2365179.1/35

All: 0.010+/-0.000 χ^2/NDF: 4692991.8/72

- sign 0.010+/-0.000 χ^2/NDF: 2325646.7/36



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.961+/-0.000 χ^2/NDF:36279955935.9/19

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

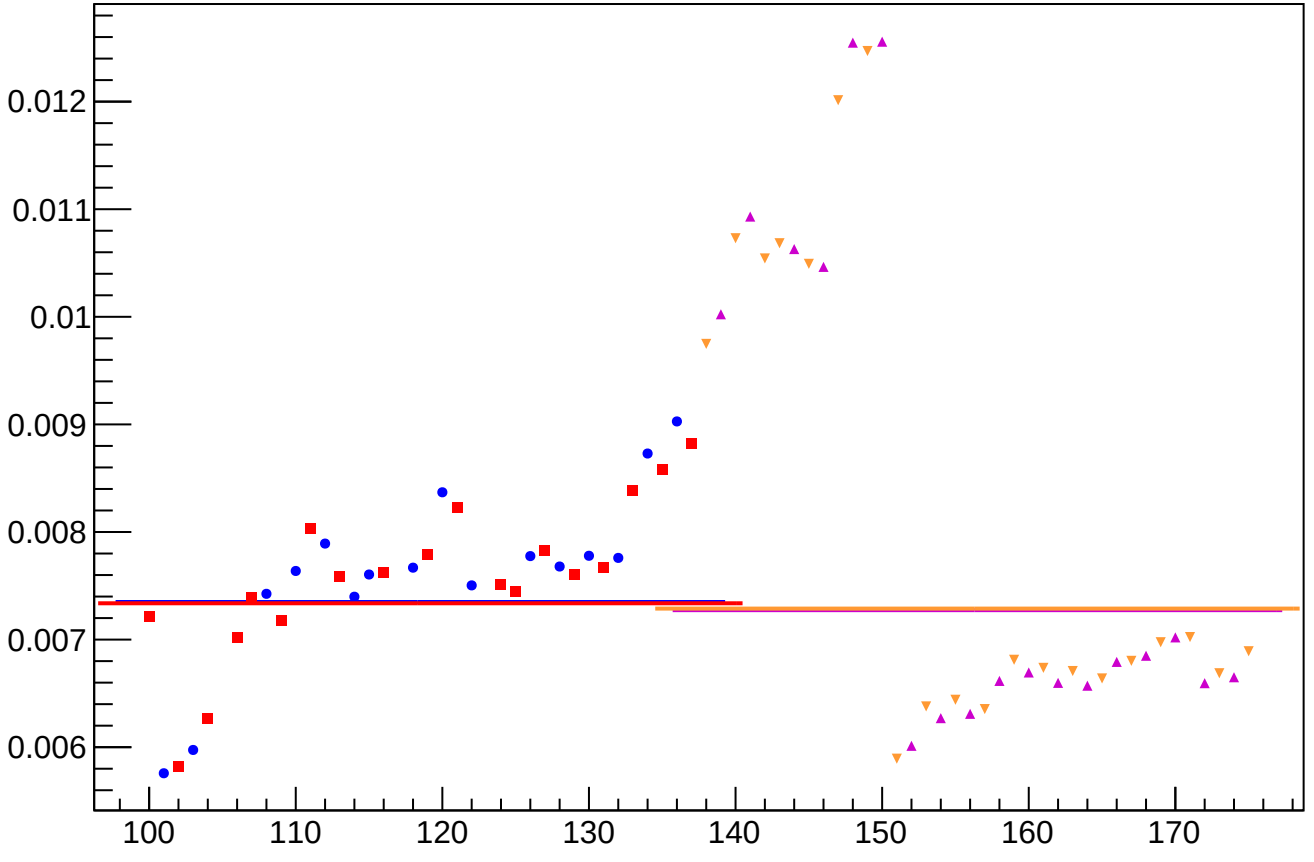
Left In: -1.021+/-0.000 χ^2/NDF:42917141454.3/17

+ sign -0.200+/-0.000 χ^2/NDF: 556732292333.6/35

All: -0.196+/-0.000 χ^2/NDF: 1138542049174

- sign -0.191+/-0.000 χ^2/NDF: 581793593075.5/36

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1477568.7/19

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

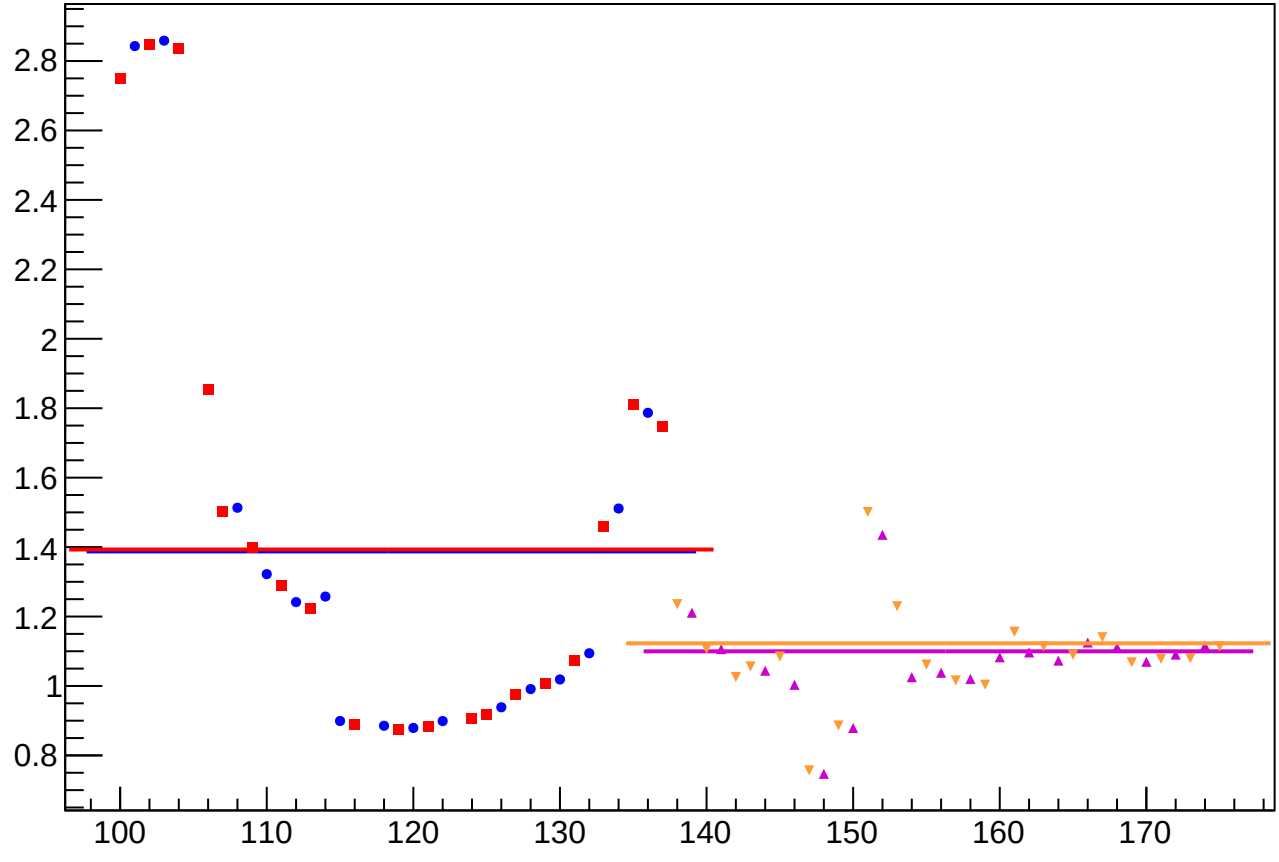
Left In: 0.007+/-0.000 χ^2/NDF:1546000.7/17

+ sign 0.007+/-0.000 χ^2/NDF: 1749102.1/35

All: 0.007+/-0.000 χ^2/NDF: 3491271.7/72

- sign 0.007+/-0.000 χ^2/NDF: 1742109.5/36

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.123+/-0.000 χ^2/NDF:5486541418.6/19

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

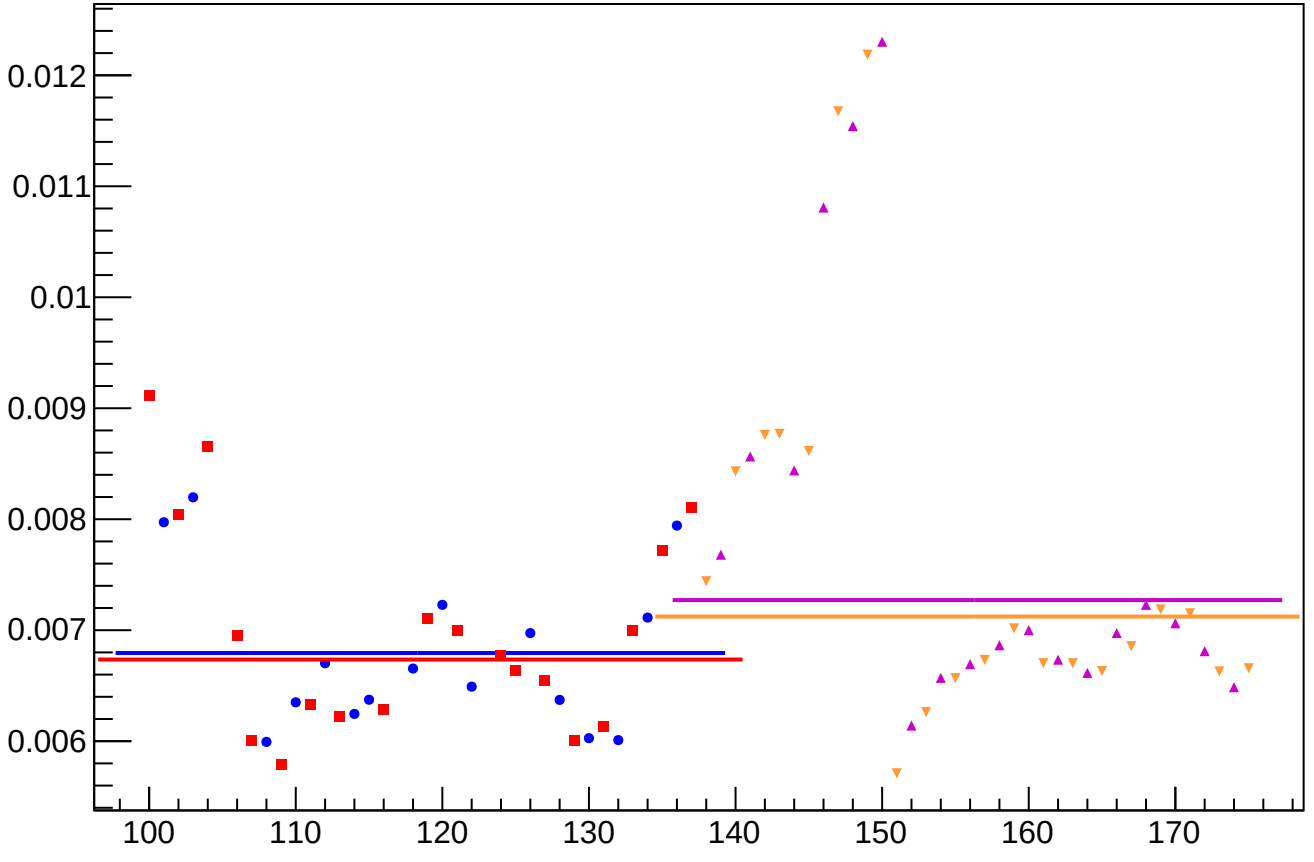
Left In: 1.100+/-0.000 χ^2/NDF:4185531967.1/17

+ sign 1.214+/-0.000 χ^2/NDF: 71189171054.6/35

All: 1.212+/-0.000 χ^2/NDF: 139409390657.8

- sign 1.211+/-0.000 χ^2/NDF: 68218531039.1/36

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:844162.5/19

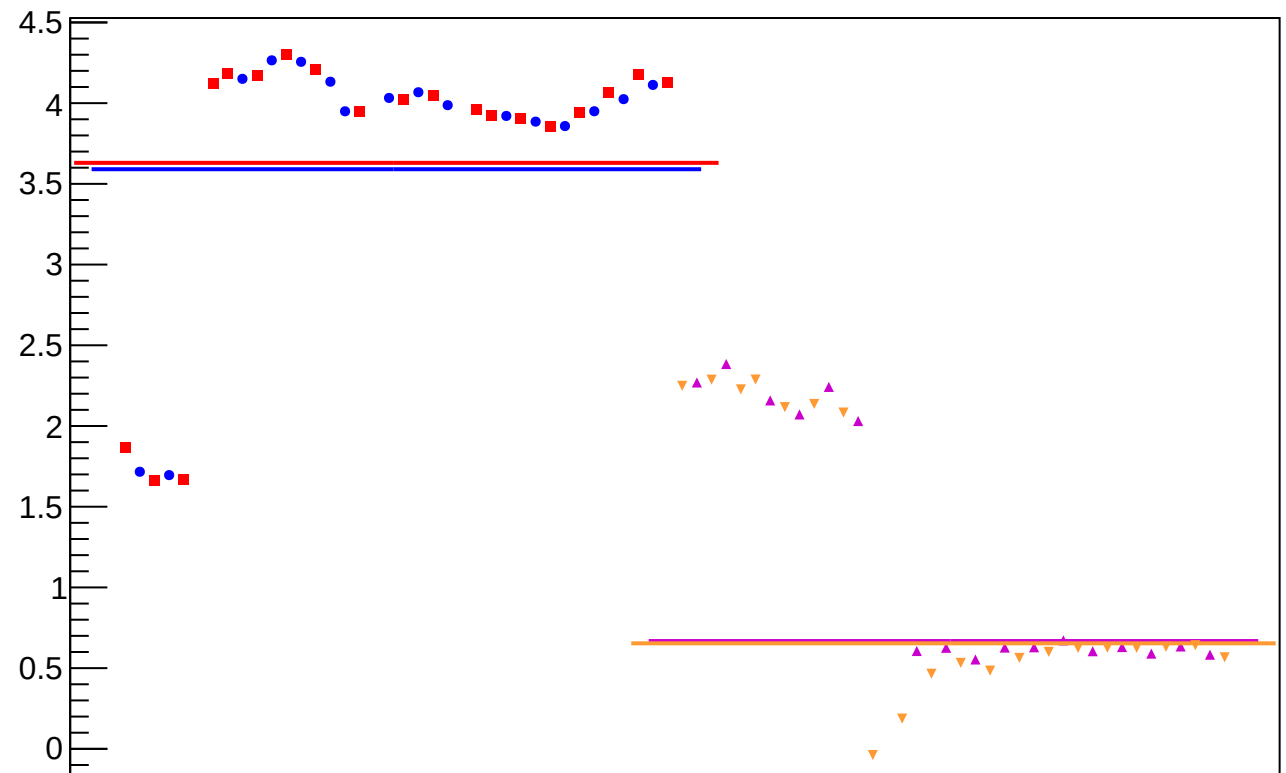
Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:896911.7/17

+ sign 0.007+/-0.000 χ^2/NDF: 1030431.7/35

All: 0.007+/-0.000 χ^2/NDF: 2185185.0/72

- sign 0.007+/-0.000 χ^2/NDF: 1153257.3/36



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.654+/-0.000 χ^2/NDF:244884611673.5/19

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

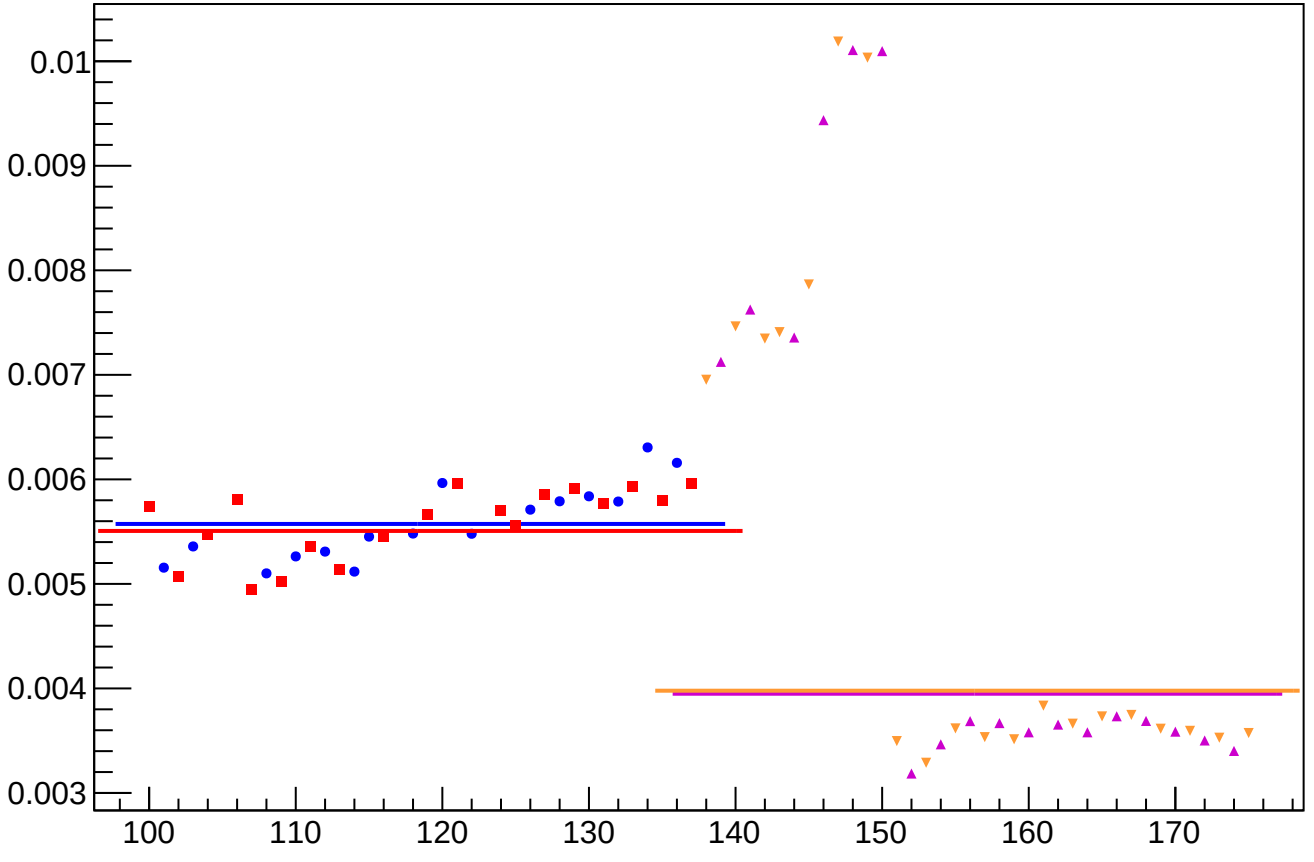
Left In: 0.668+/-0.000 χ^2/NDF:243686081379.7/17

+ sign 1.270+/-0.000 χ^2/NDF: 2019684267286.8/35

All: 1.304+/-0.000 χ^2/NDF: 4113103891071.

- sign 1.339+/-0.000 χ^2/NDF: 2090869859539.6/36

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2894118.6/19

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

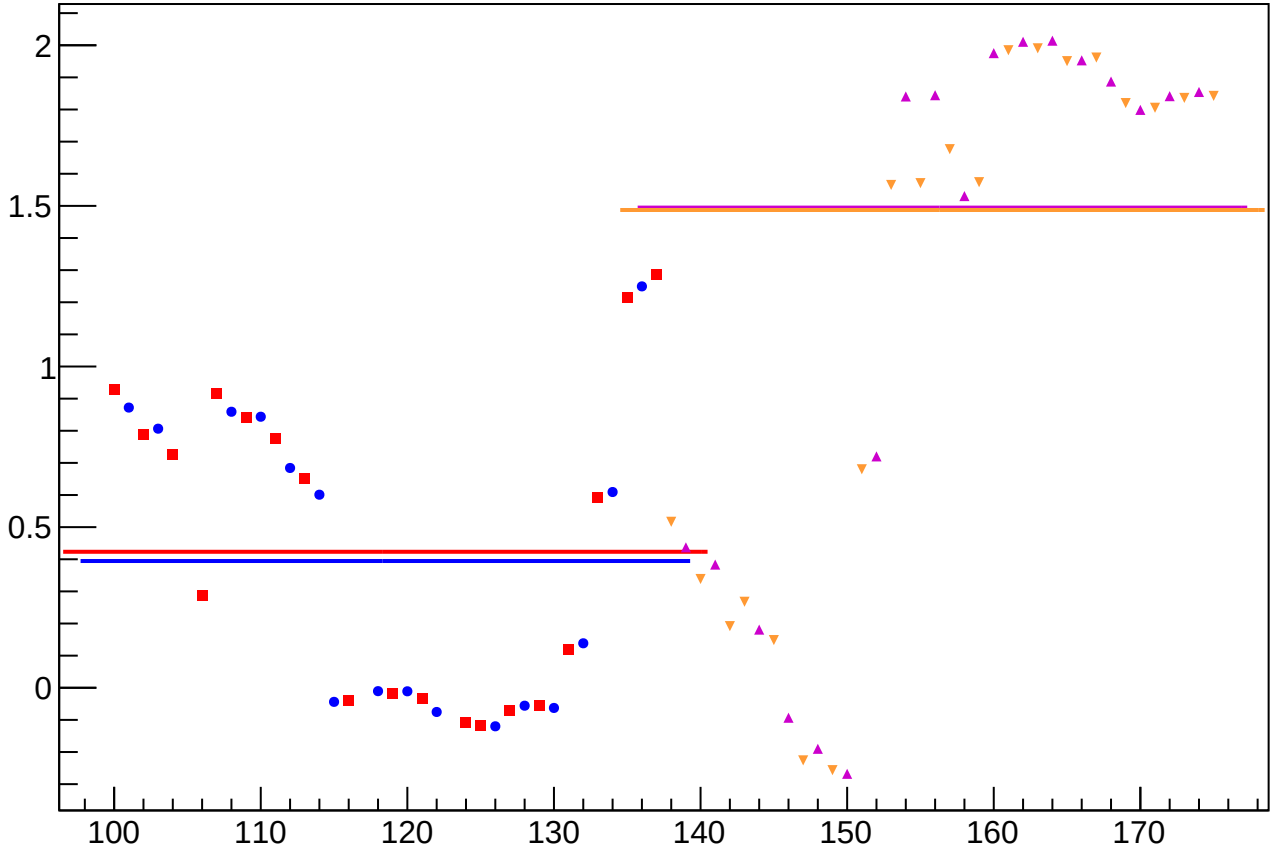
Left In: 0.004+/-0.000 χ^2/NDF:3097507.7/17

+ sign 0.004+/-0.000 χ^2/NDF: 3881201.1/35

All: 0.004+/-0.000 χ^2/NDF: 7939813.5/72

- sign 0.004+/-0.000 χ^2/NDF: 4058480.9/36

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.487+/-0.000 χ^2/NDF:55041749474.9/19

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

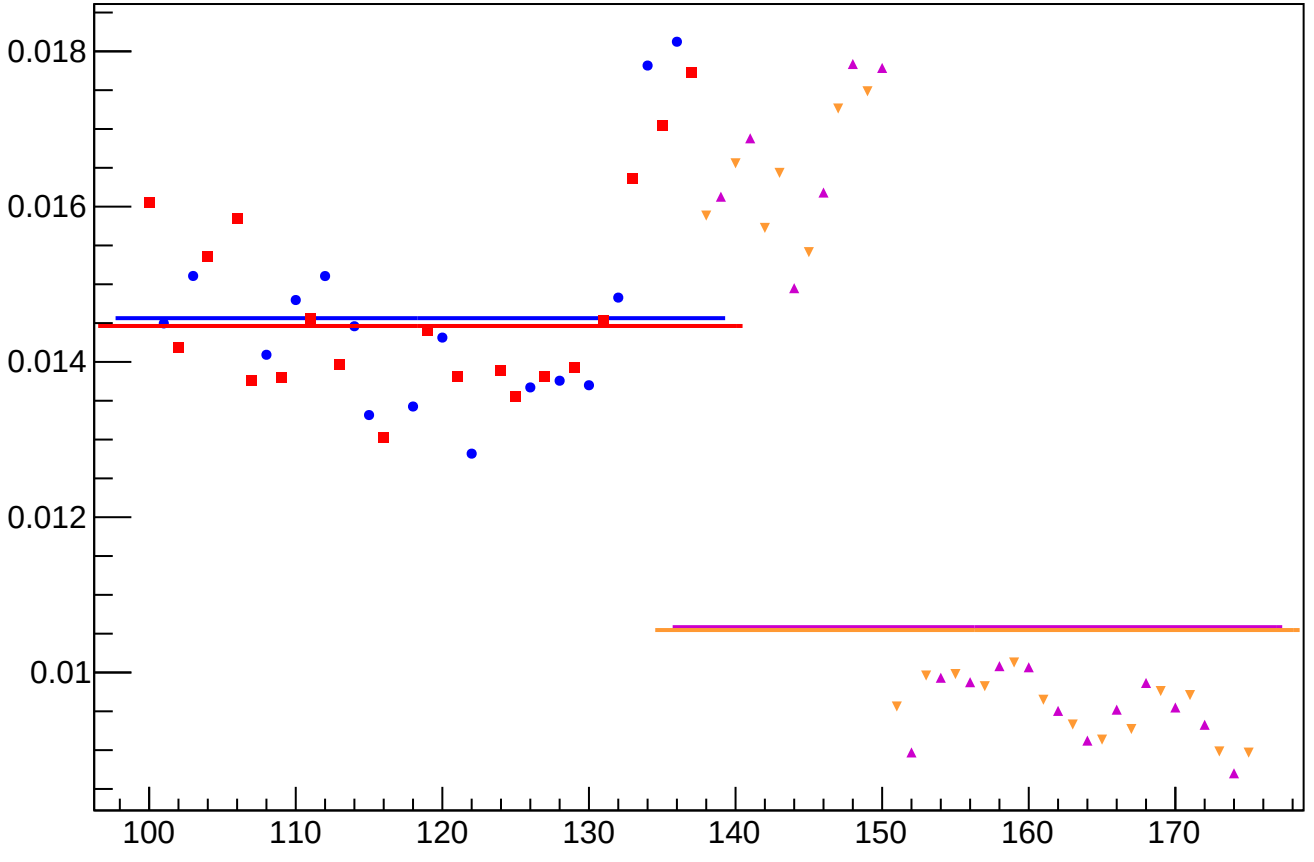
Left In: 1.495+/-0.000 χ^2/NDF:59383031700.2/17

+ sign 1.268+/-0.000 χ^2/NDF: 94382325815.6/35

All: 1.264+/-0.000 χ^2/NDF: 191881724512.9

- sign 1.260+/-0.000 χ^2/NDF: 97493948231.8/36

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:1618922.2/19

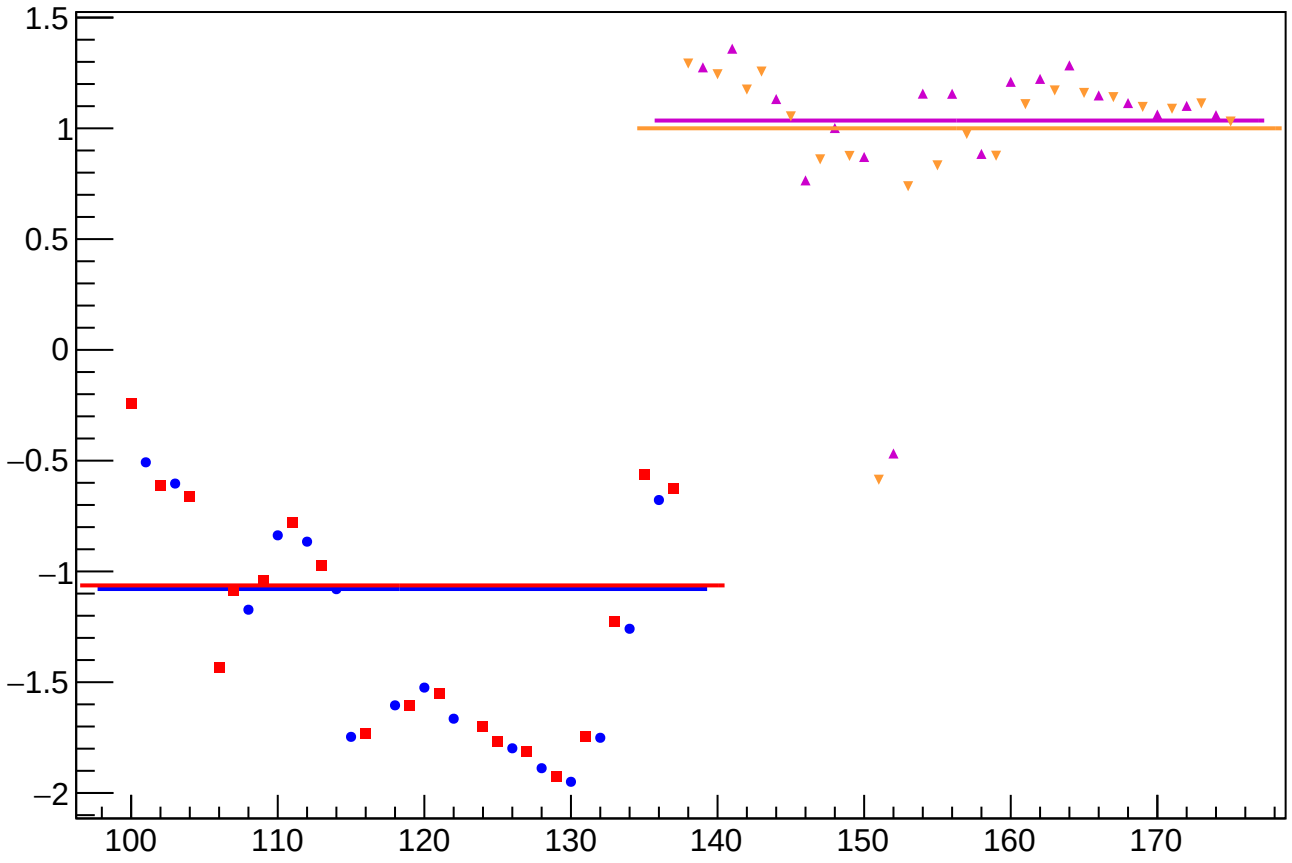
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.011+/-0.000 χ^2/NDF:1647446.7/17

+ sign 0.011+/-0.000 χ^2/NDF: 2615058.5/35

All: 0.011+/-0.000 χ^2/NDF: 5159181.1/72

- sign 0.011+/-0.000 χ^2/NDF: 2543039.4/36



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.000+/-0.000 χ^2/NDF:110470461483.4/19

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

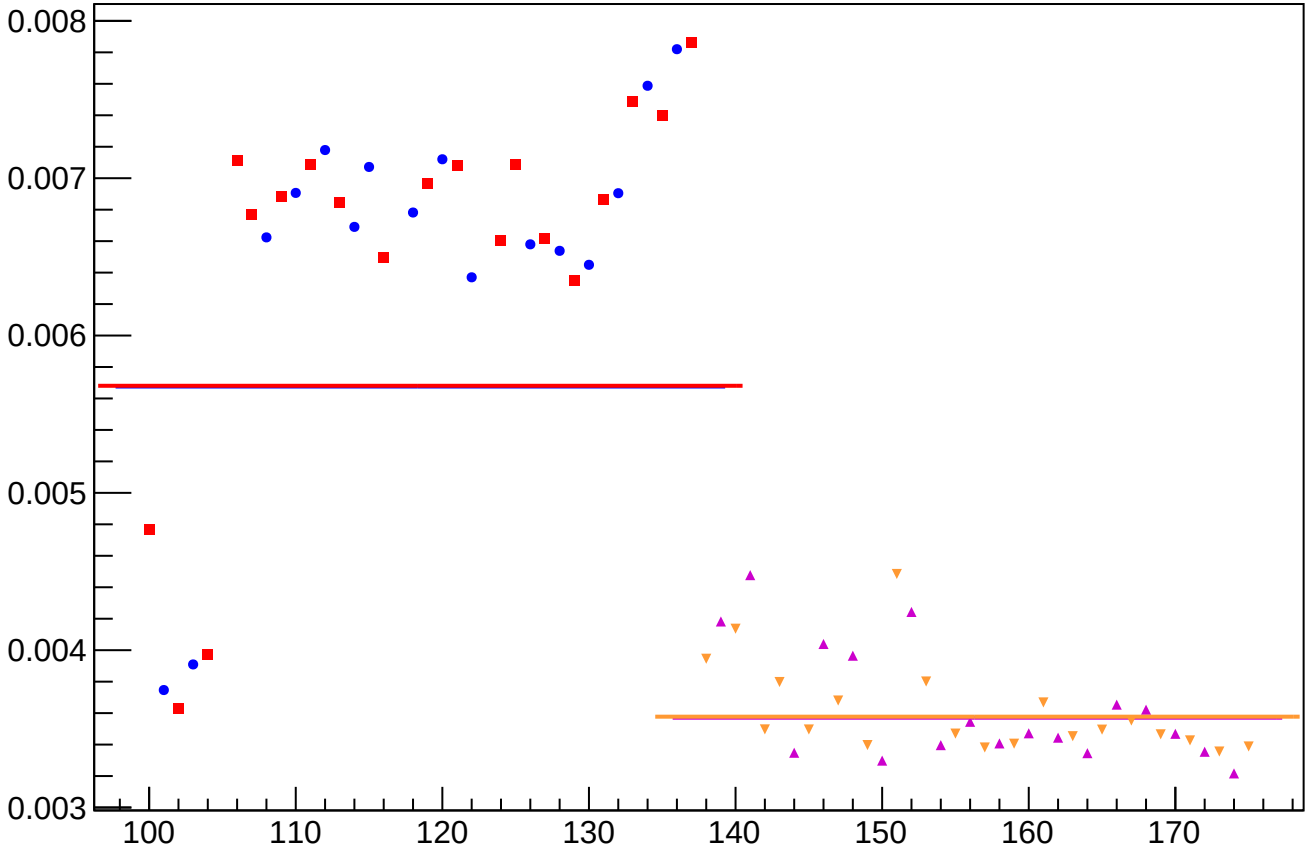
Left In: 1.035+/-0.000 χ^2/NDF:125211737237.4/17

+ sign 0.689+/-0.000 χ^2/NDF: 897023330512.4/35

All: 0.694+/-0.000 χ^2/NDF: 1811410525235.

- sign 0.700+/-0.000 χ^2/NDF: 914312280540.6/36

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:143687.5/19

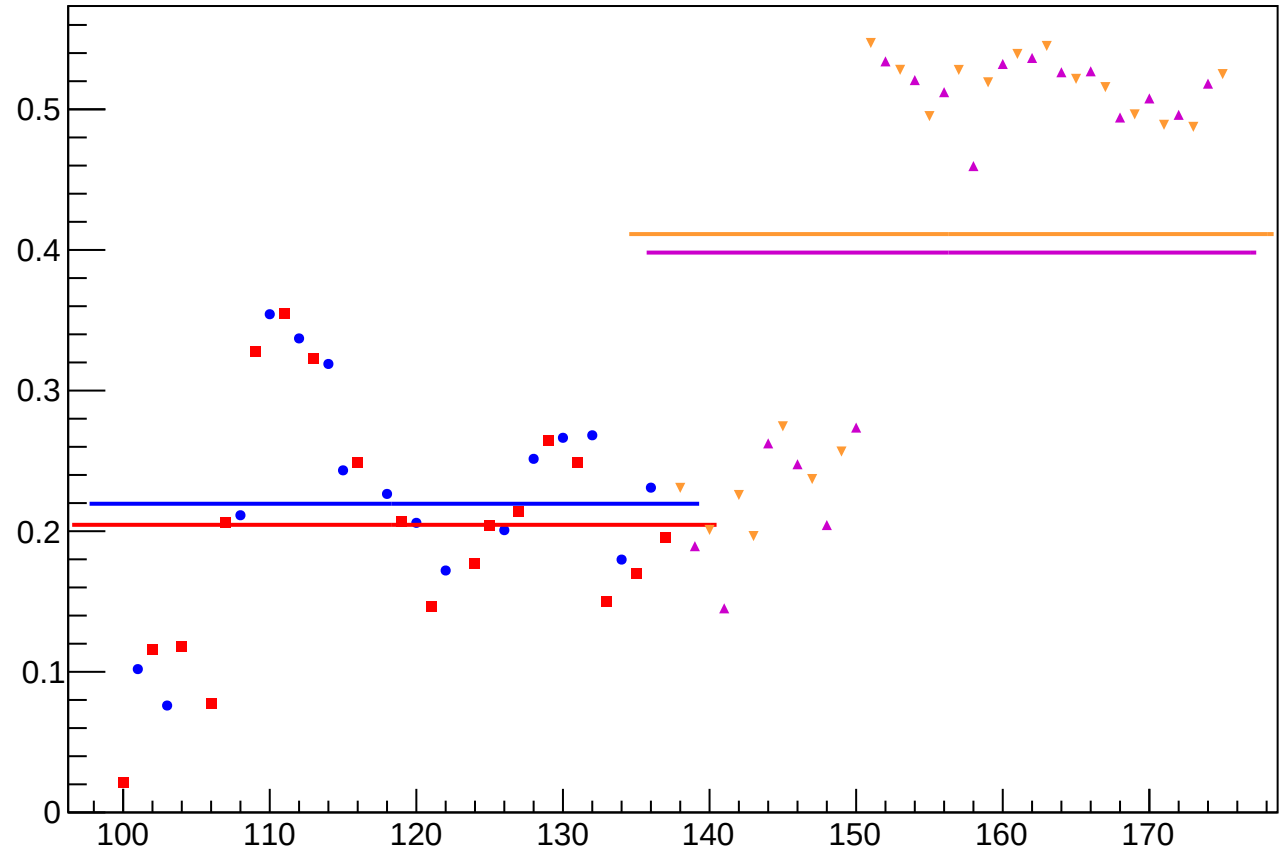
Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:236246.9/17

+ sign 0.004+/-0.000 χ^2/NDF: 2568966.3/35

All: 0.004+/-0.000 χ^2/NDF: 5280806.3/72

- sign 0.004+/-0.000 χ^2/NDF: 2711483.4/36



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.411+/-0.000 χ^2/NDF:141026966117.3/19

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

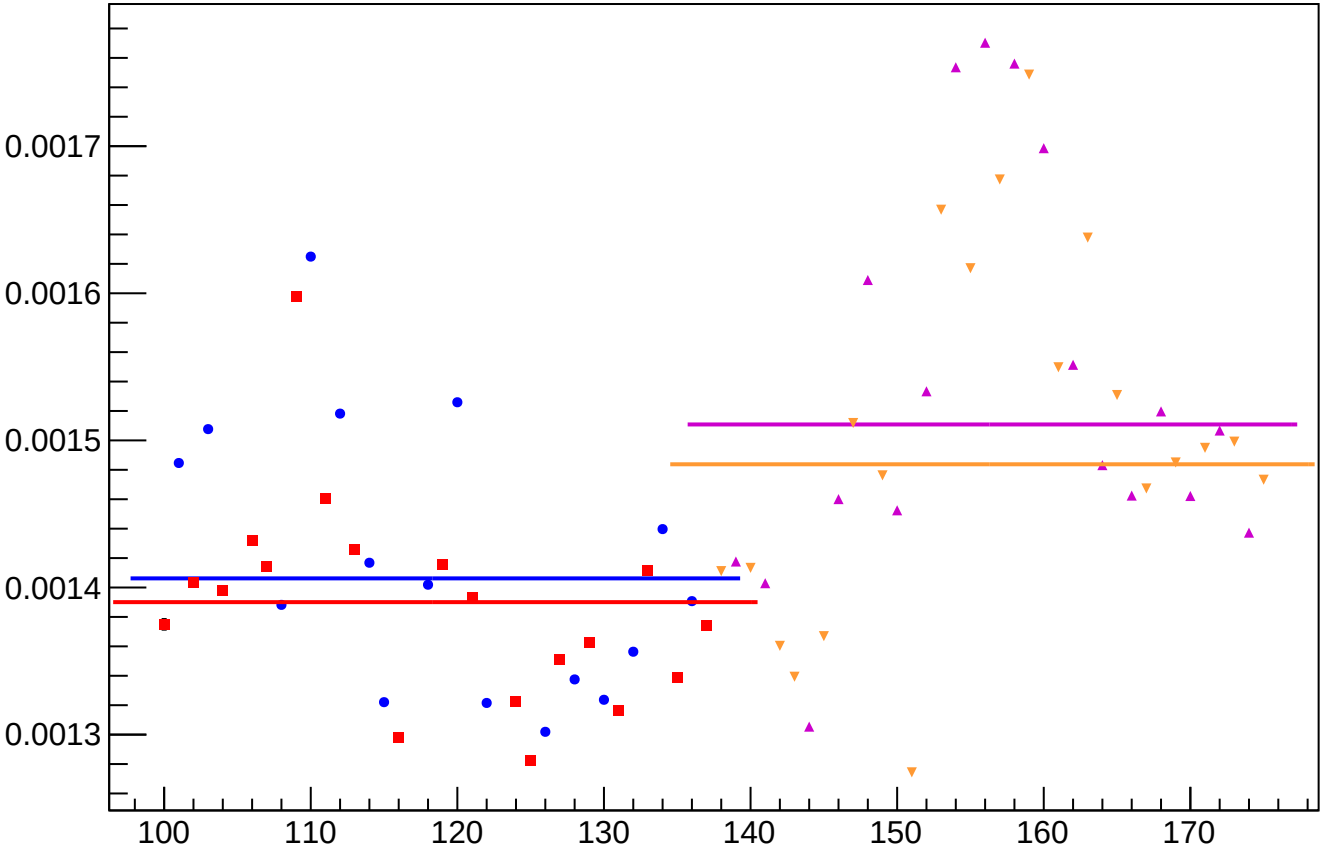
Left In: 0.398+/-0.000 χ^2/NDF:136578897252.8/17

+ sign 0.348+/-0.000 χ^2/NDF: 244061945213.6/35

All: 0.337+/-0.000 χ^2/NDF: 494543550937.1

- sign 0.326+/-0.000 χ^2/NDF: 247982002744.2/36

yield_bpm2i01X_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:201150.1/19

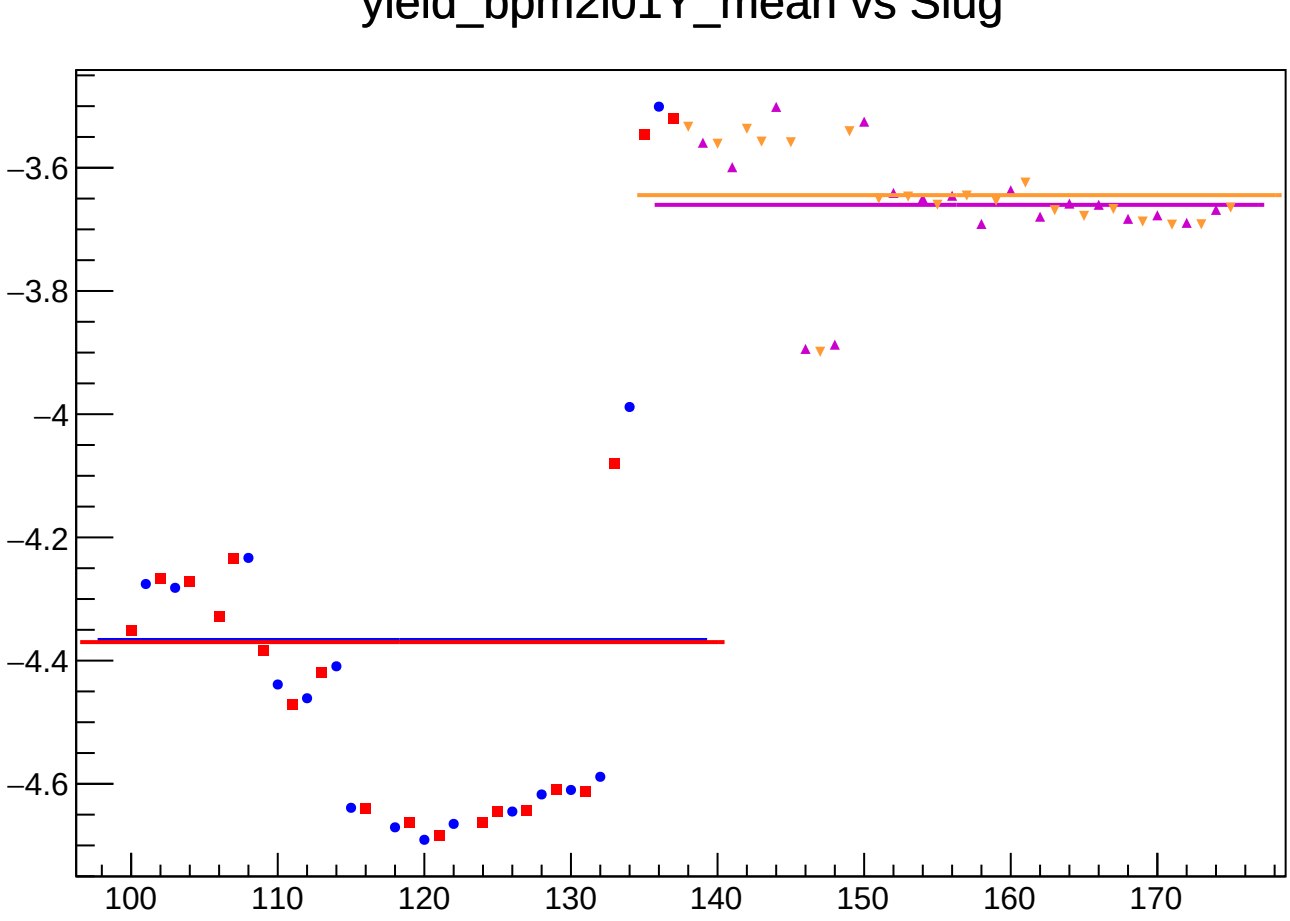
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:203541.5/17

+ sign 0.001+/-0.000 χ^2/NDF: 277584.3/35

All: 0.001+/-0.000 χ^2/NDF: 585876.7/72

- sign 0.001+/-0.000 χ^2/NDF: 307685.9/36



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.644+/-0.000 χ^2/NDF:25143170342.2/19

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

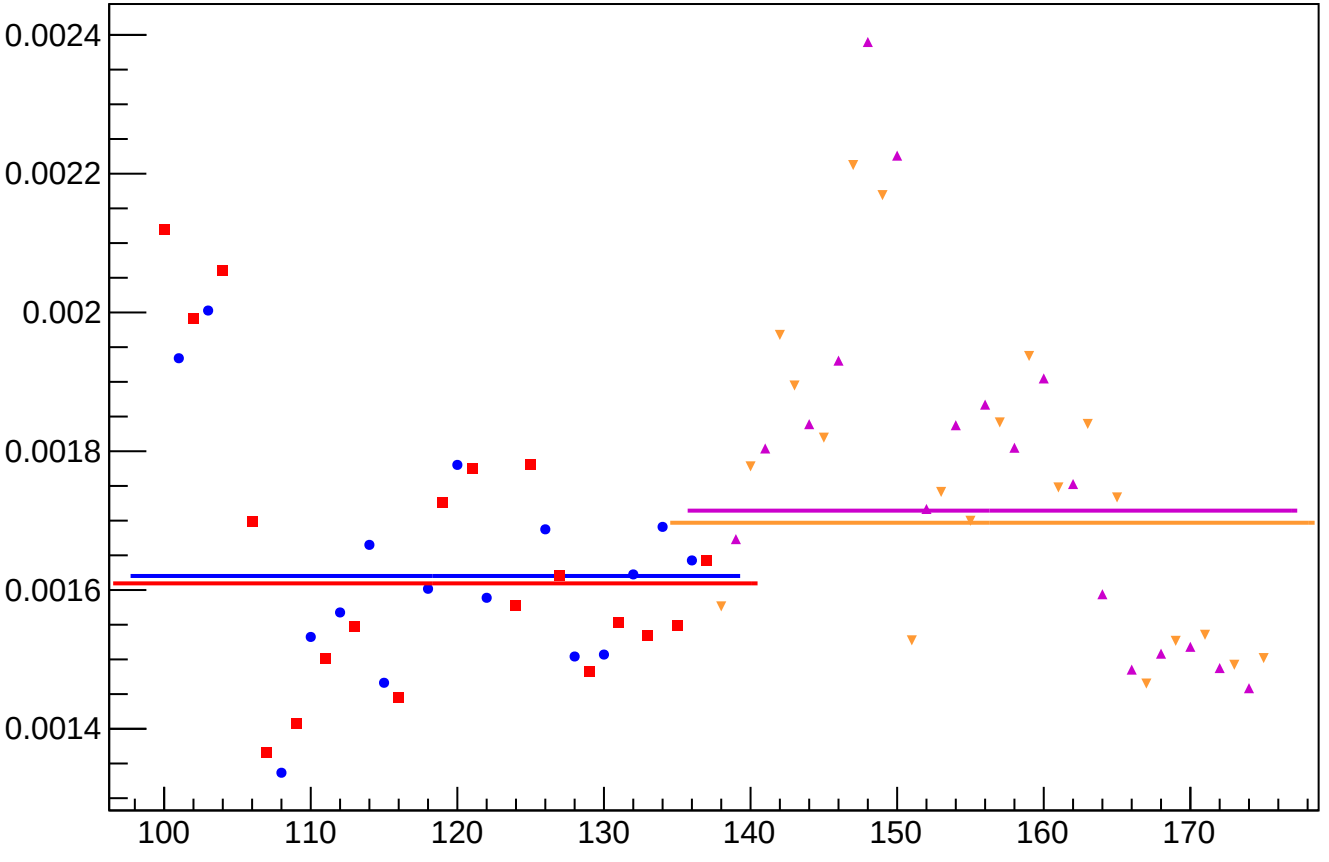
Left In: -3.660+/-0.000 χ^2/NDF:34077549604.2/17

+ sign -3.884+/-0.000 χ^2/NDF: 1290261107552.3/3

All: -3.900+/-0.000 χ^2/NDF: 2507541057747

- sign -3.917+/-0.000 χ^2/NDF: 1213031363019.2/36

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 140216.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:417763.3/19

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

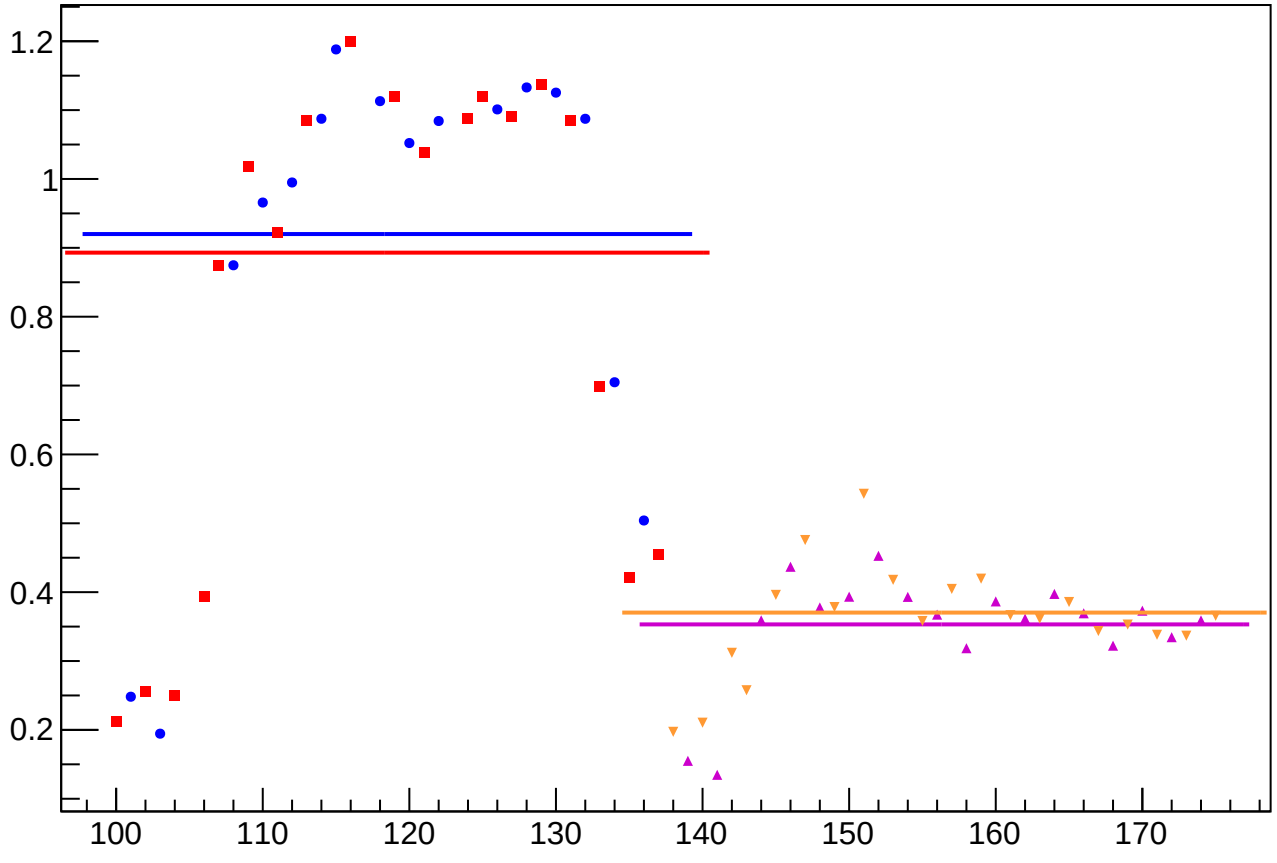
Left In: 0.002+/-0.000 χ^2/NDF:476266.6/17

+ sign 0.002+/-0.000 χ^2/NDF: 578567.0/35

All: 0.002+/-0.000 χ^2/NDF: 1278502.8/72

- sign 0.002+/-0.000 χ^2/NDF: 699746.5/36

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.370+/-0.000 χ^2/NDF:1759482824.2/19

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

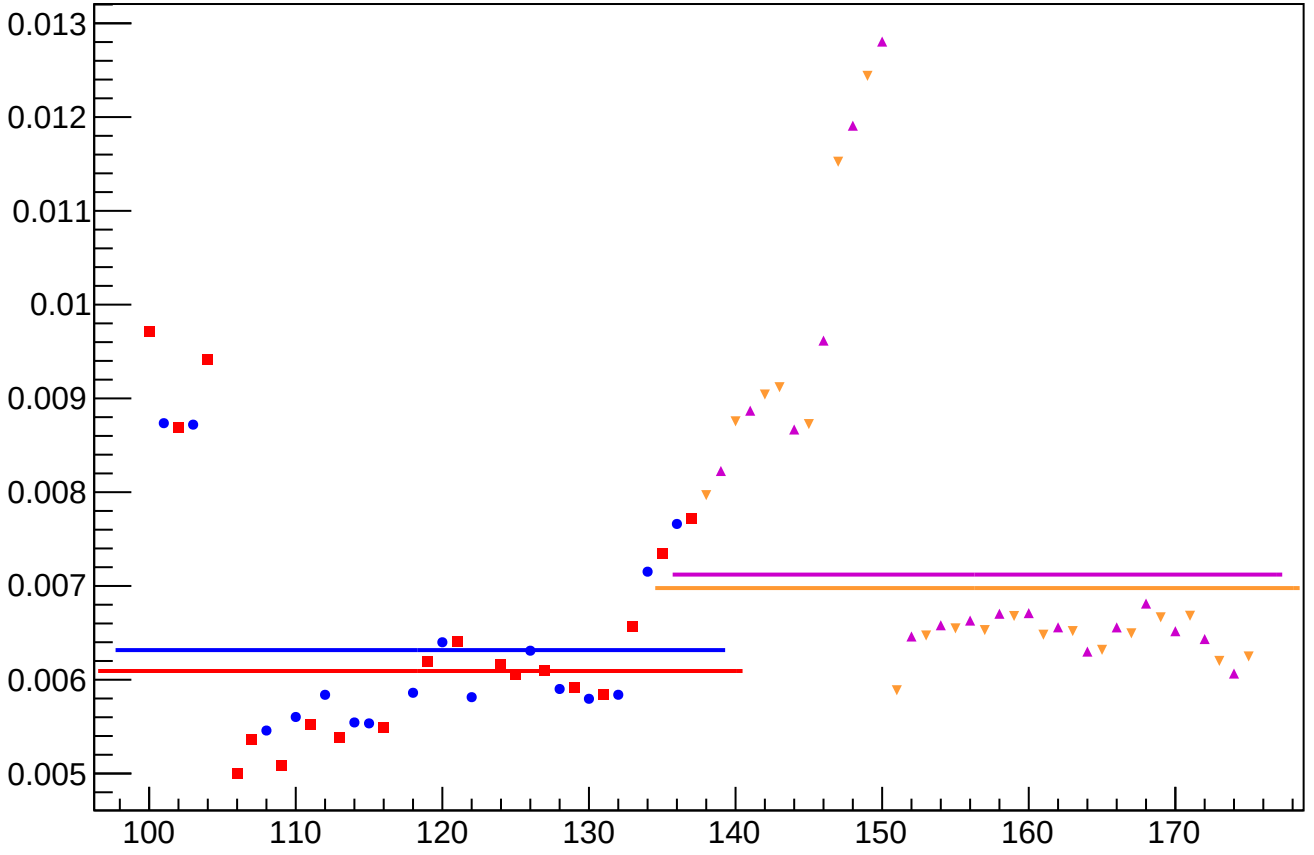
Left In: 0.353+/-0.000 χ^2/NDF:1454203988.2/17

+ sign 0.568+/-0.000 χ^2/NDF: 50323054515.6/35

All: 0.571+/-0.000 χ^2/NDF: 103015012966.7

- sign 0.575+/-0.000 χ^2/NDF: 52681900810.1/36

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1047267.3/19

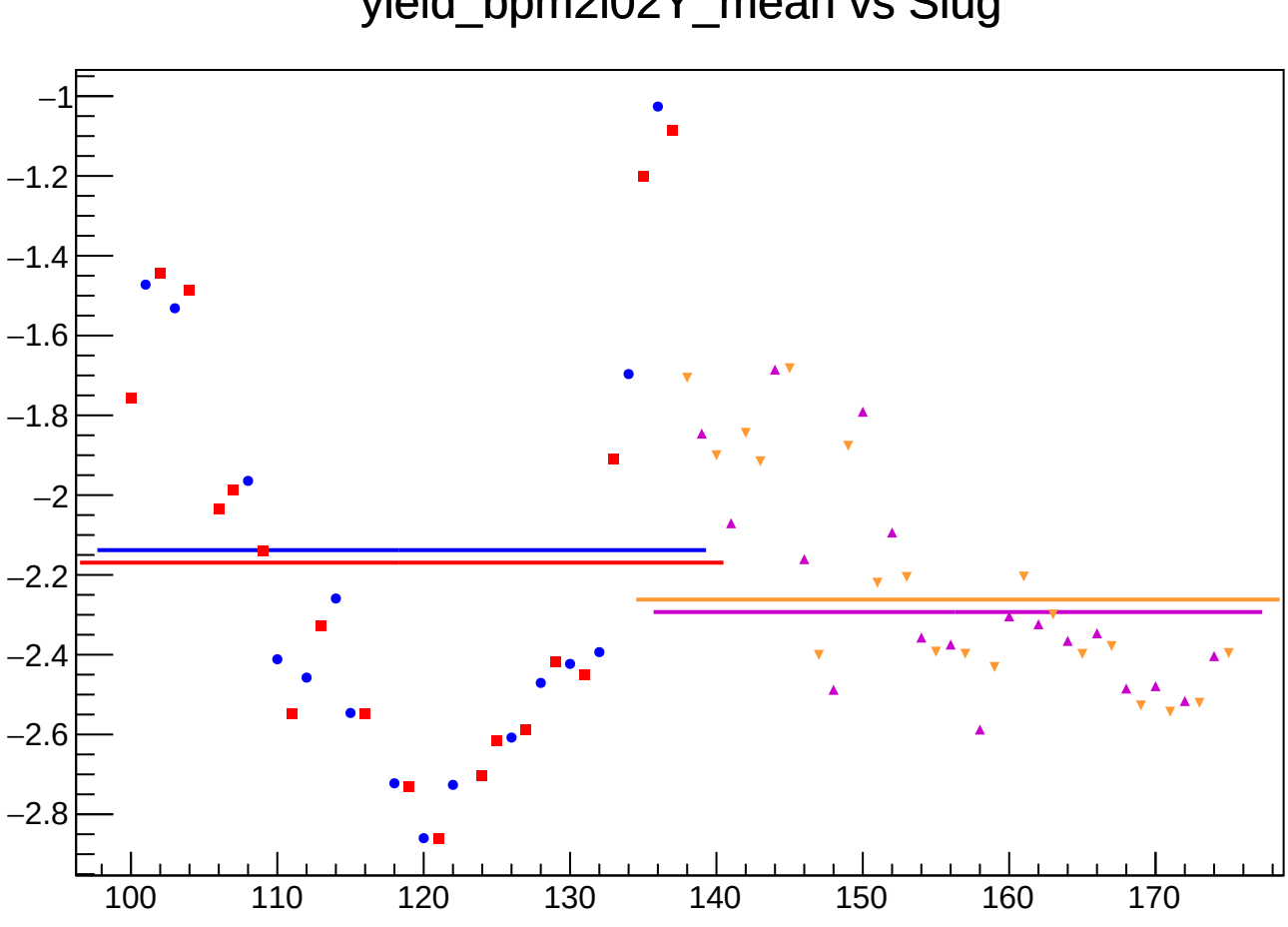
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1075021.4/17

+ sign 0.007+/-0.000 χ^2/NDF: 1481415.9/35

All: 0.007+/-0.000 χ^2/NDF: 3236747.6/72

- sign 0.007+/-0.000 χ^2/NDF: 1754564.8/36



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.262+/-0.000 χ^2/NDF:23199974727.7/19

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

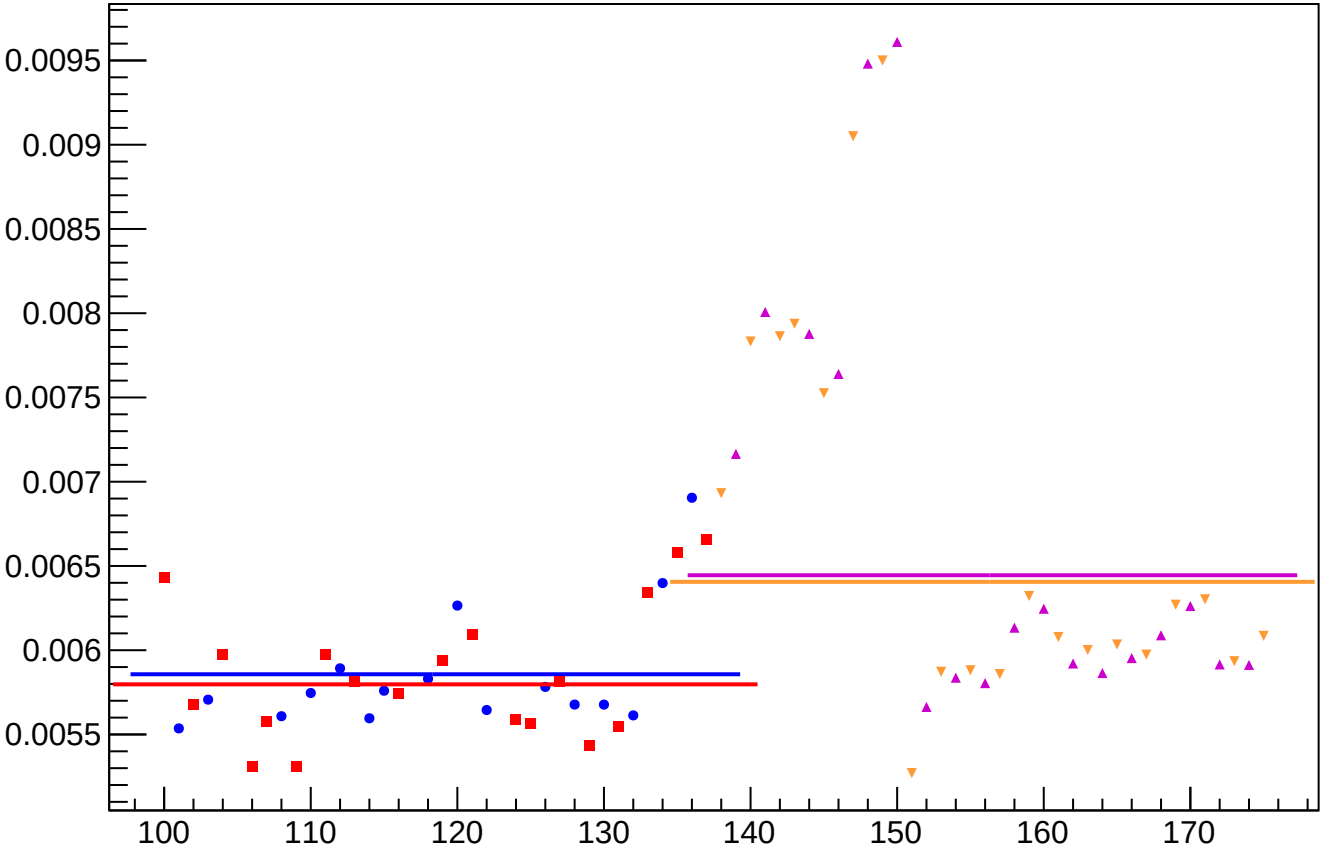
Left In: -2.293+/-0.000 χ^2/NDF:18929672342.4/17

+ sign -2.218+/-0.000 χ^2/NDF: 90936520185.2/35

All: -2.231+/-0.000 χ^2/NDF: 169570324743.4

- sign -2.245+/-0.000 χ^2/NDF: 78416840165.4/36

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:668919.8/19

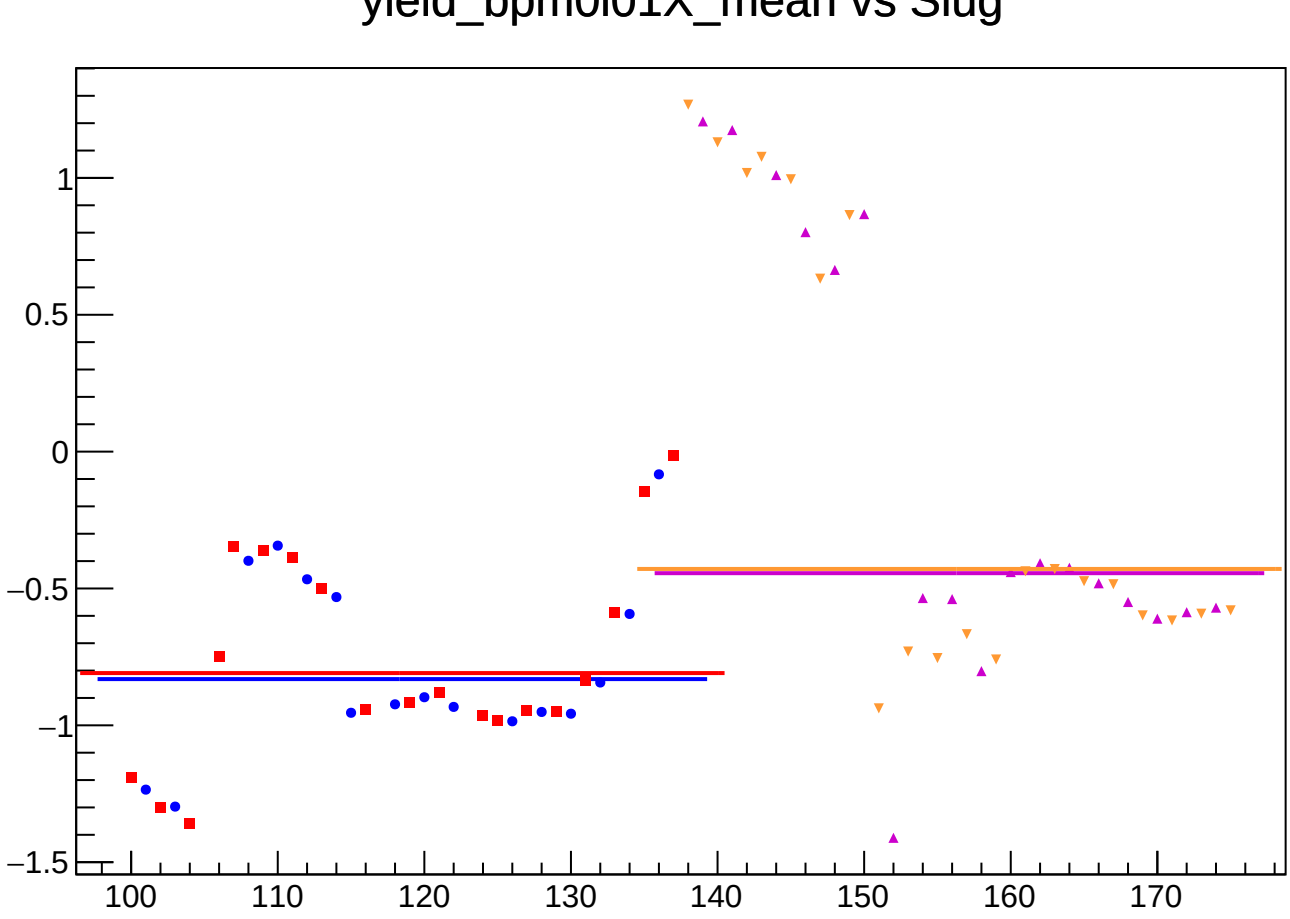
Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.006+/-0.000 χ^2/NDF:696520.8/17

+ sign 0.006+/-0.000 χ^2/NDF: 811921.4/35

All: 0.006+/-0.000 χ^2/NDF: 1678676.3/72

- sign 0.006+/-0.000 χ^2/NDF: 866596.4/36



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.429+/-0.000 χ^2/NDF:80962341738.7/19

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

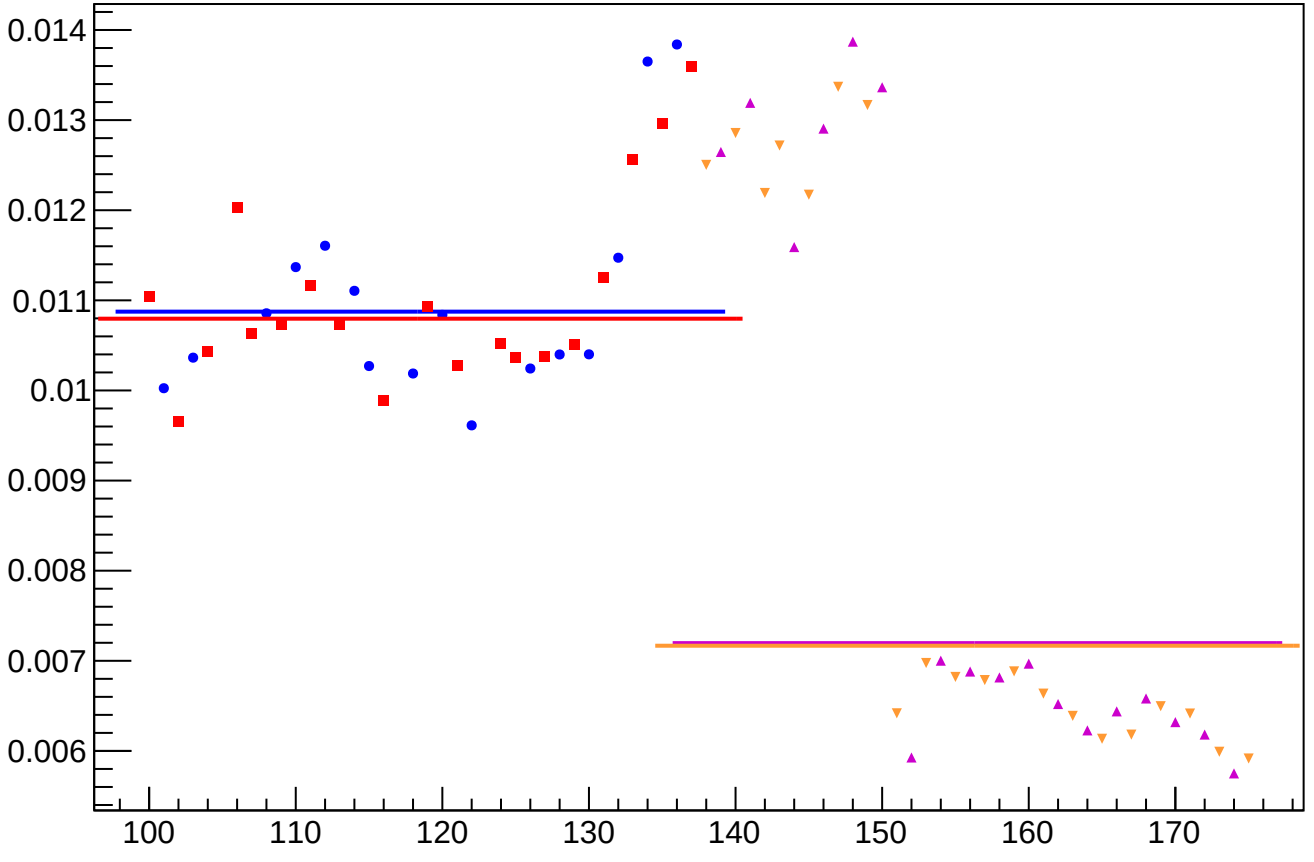
Left In: -0.444+/-0.000 χ^2/NDF:89583715677.6/17

+ sign -0.499+/-0.000 χ^2/NDF: 96020122975.5/35

All: -0.507+/-0.000 χ^2/NDF: 200453950769.5

- sign -0.515+/-0.000 χ^2/NDF: 104395337623.2/36

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:2323112.1/19

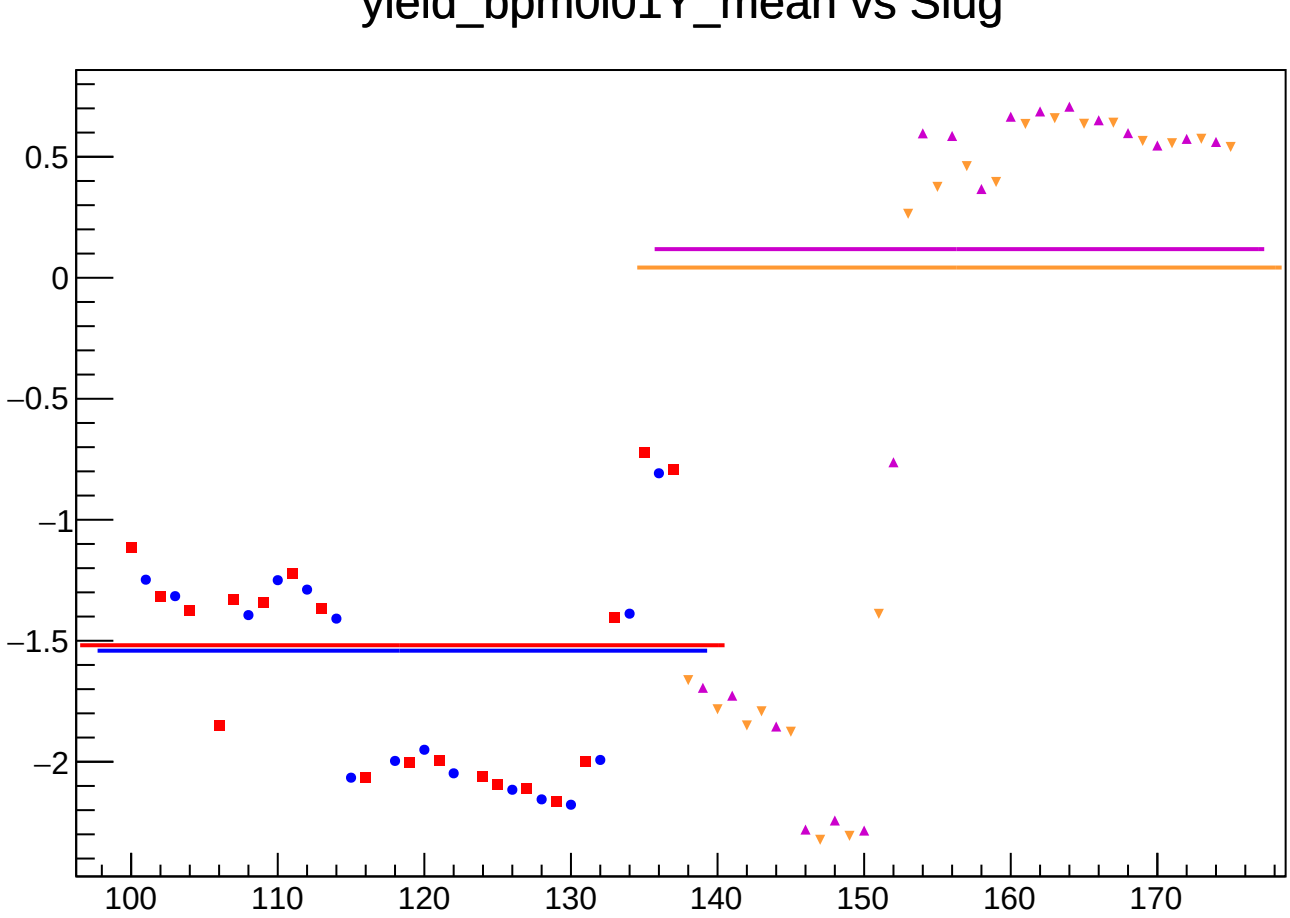
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2356553.7/17

+ sign 0.008+/-0.000 χ^2/NDF: 3828887.1/35

All: 0.008+/-0.000 χ^2/NDF: 7583322.3/72

- sign 0.008+/-0.000 χ^2/NDF: 3752690.0/36



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: 0.042+/-0.000 χ^2/NDF:2247324645944.1/19

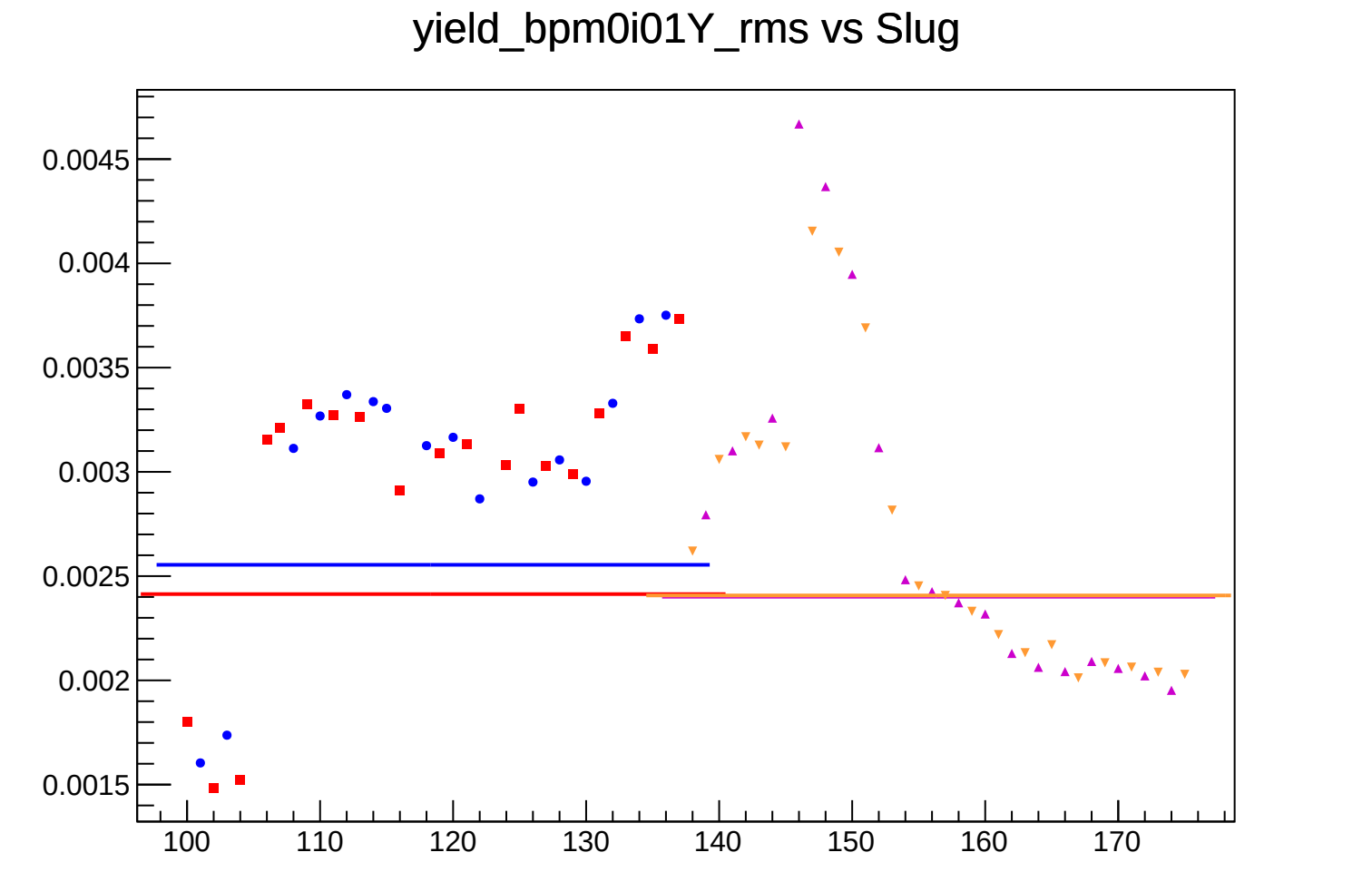
Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: 0.118+/-0.000 χ^2/NDF:2012396609627.0/17

+ sign -0.403+/-0.000 χ^2/NDF: 4082830111156.7/3

All: -0.401+/-0.000 χ^2/NDF: 8105615526712

- sign -0.398+/-0.000 χ^2/NDF: 4022745507692.3/36



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1195723.6/19

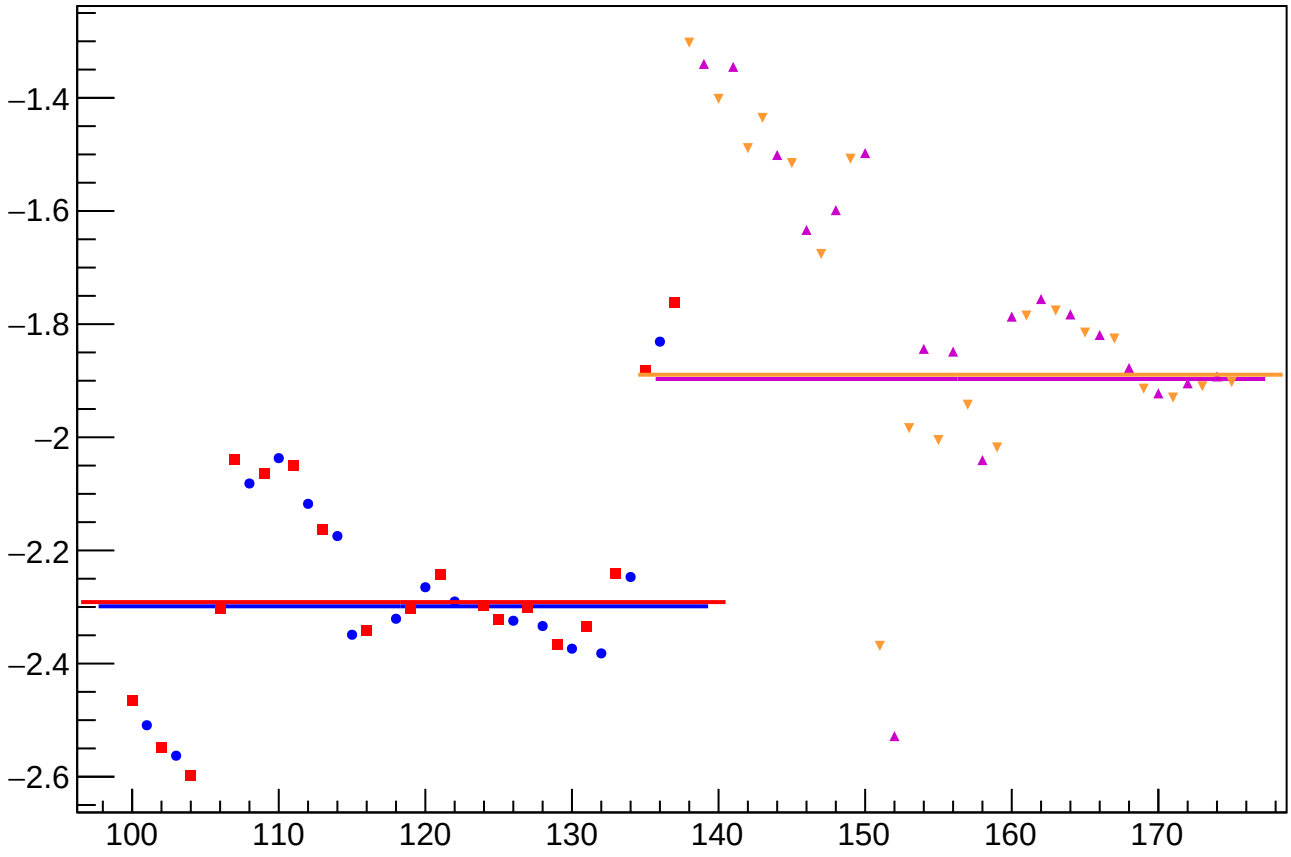
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1379432.7/17

+ sign 0.002+/-0.000 χ^2/NDF: 2396974.2/35

All: 0.002+/-0.000 χ^2/NDF: 5329650.3/72

- sign 0.002+/-0.000 χ^2/NDF: 2926487.4/36



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.889+/-0.000 χ^2/NDF:27423316264.7/19

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

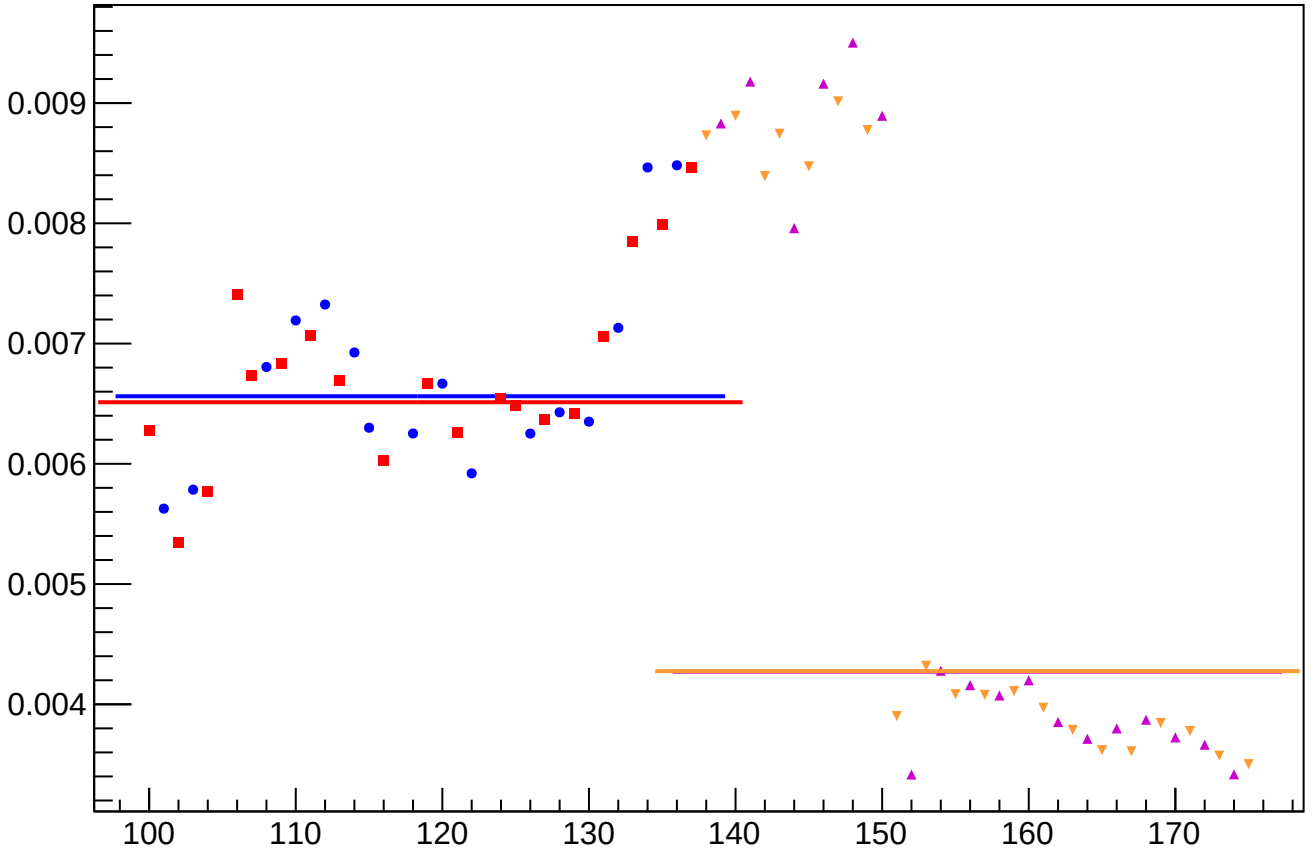
Left In: -1.897+/-0.000 χ^2/NDF:43347536440.0/17

+ sign -1.961+/-0.000 χ^2/NDF: 55759235857.0/35

All: -1.967+/-0.000 χ^2/NDF: 127024001035.5

- sign -1.973+/-0.000 χ^2/NDF: 71205991928.0/36

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:3020728.3/19

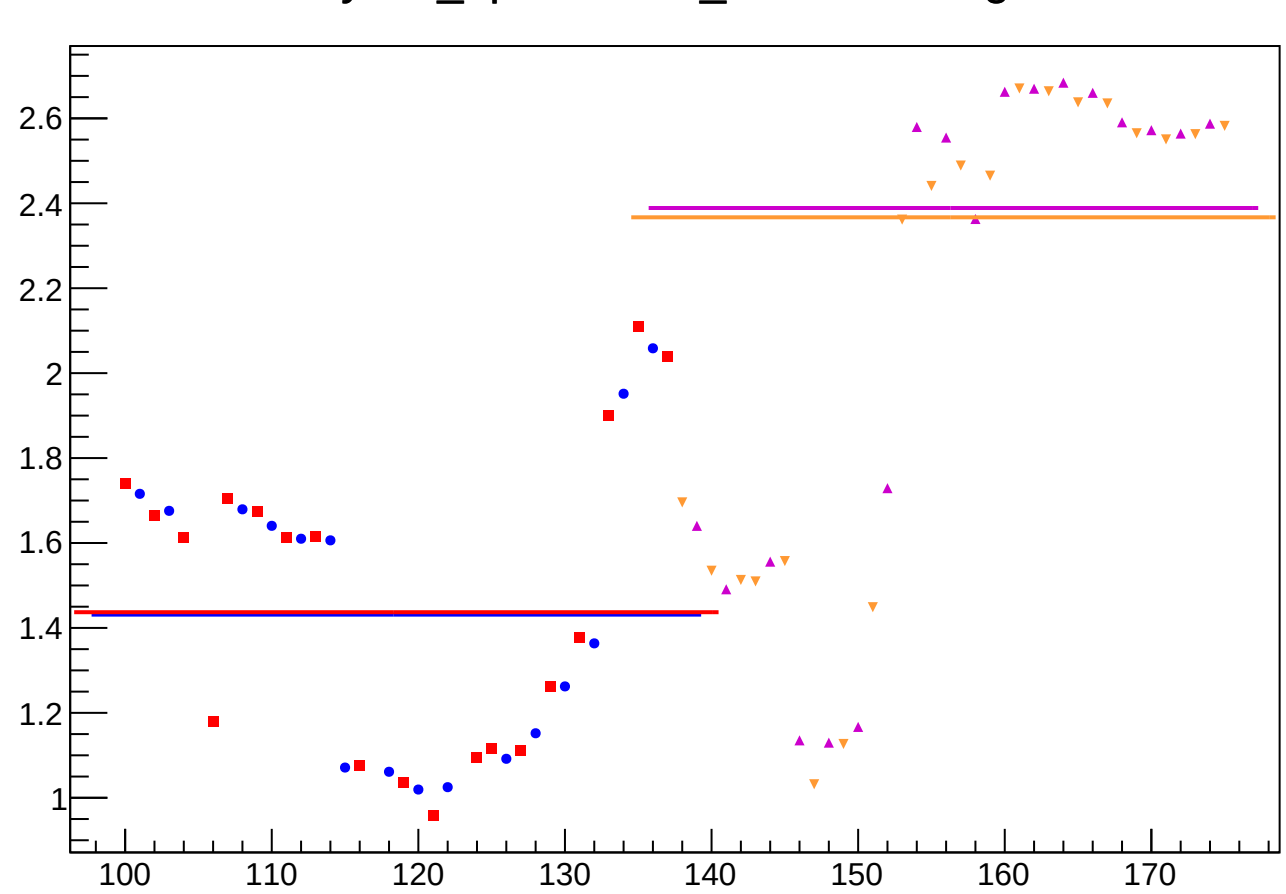
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:3079222.6/17

+ sign 0.005+/-0.000 χ^2/NDF: 4627539.9/35

All: 0.005+/-0.000 χ^2/NDF: 9250617.7/72

- sign 0.005+/-0.000 χ^2/NDF: 4622546.1/36



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.367+/-0.000 χ^2/NDF:225243435694.4/19

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

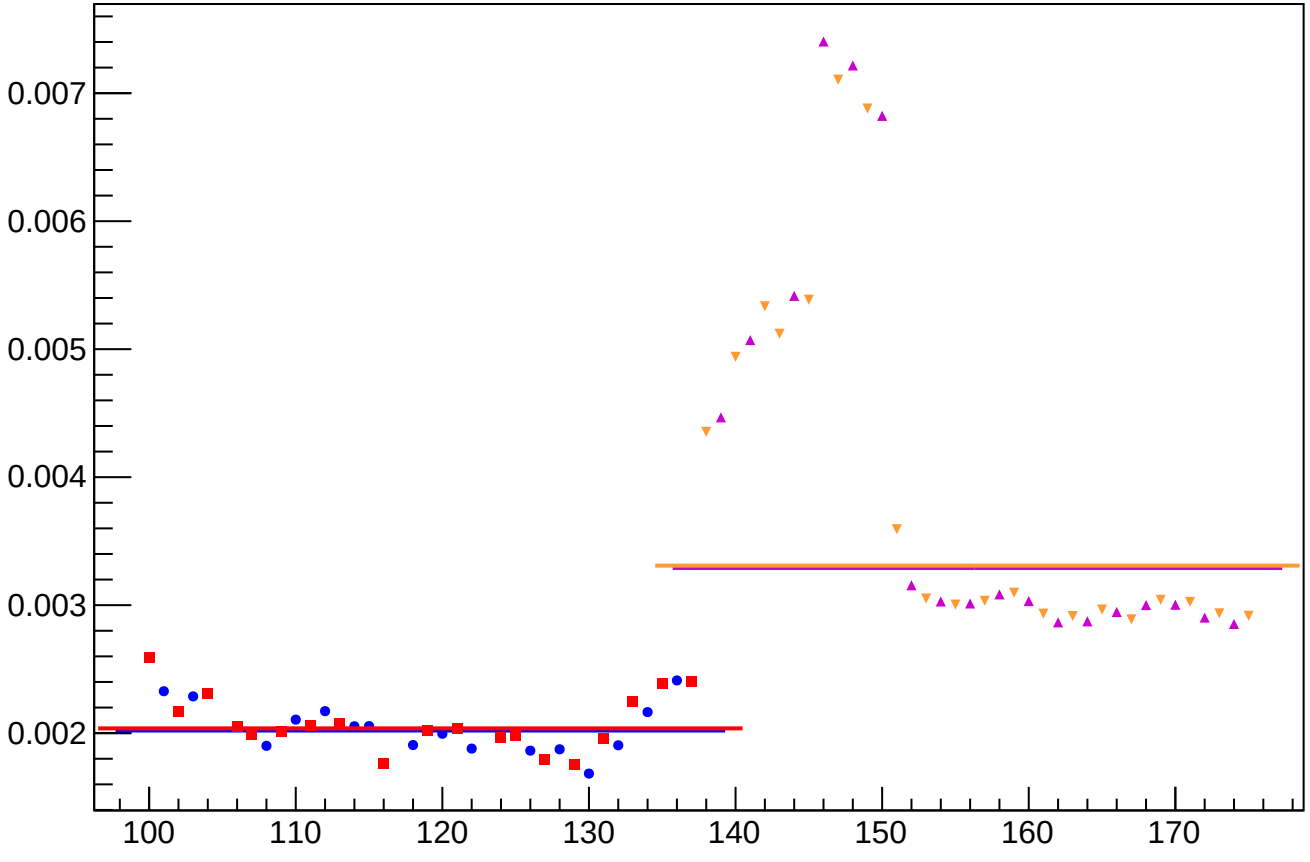
Left In: 2.389+/-0.000 χ^2/NDF:214961474843.1/17

+ sign 1.844+/-0.000 χ^2/NDF: 1041519144955.3/35

All: 1.842+/-0.000 χ^2/NDF: 2064222920969.

- sign 1.840+/-0.000 χ^2/NDF: 1022684668441.9/36

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1767442.5/19

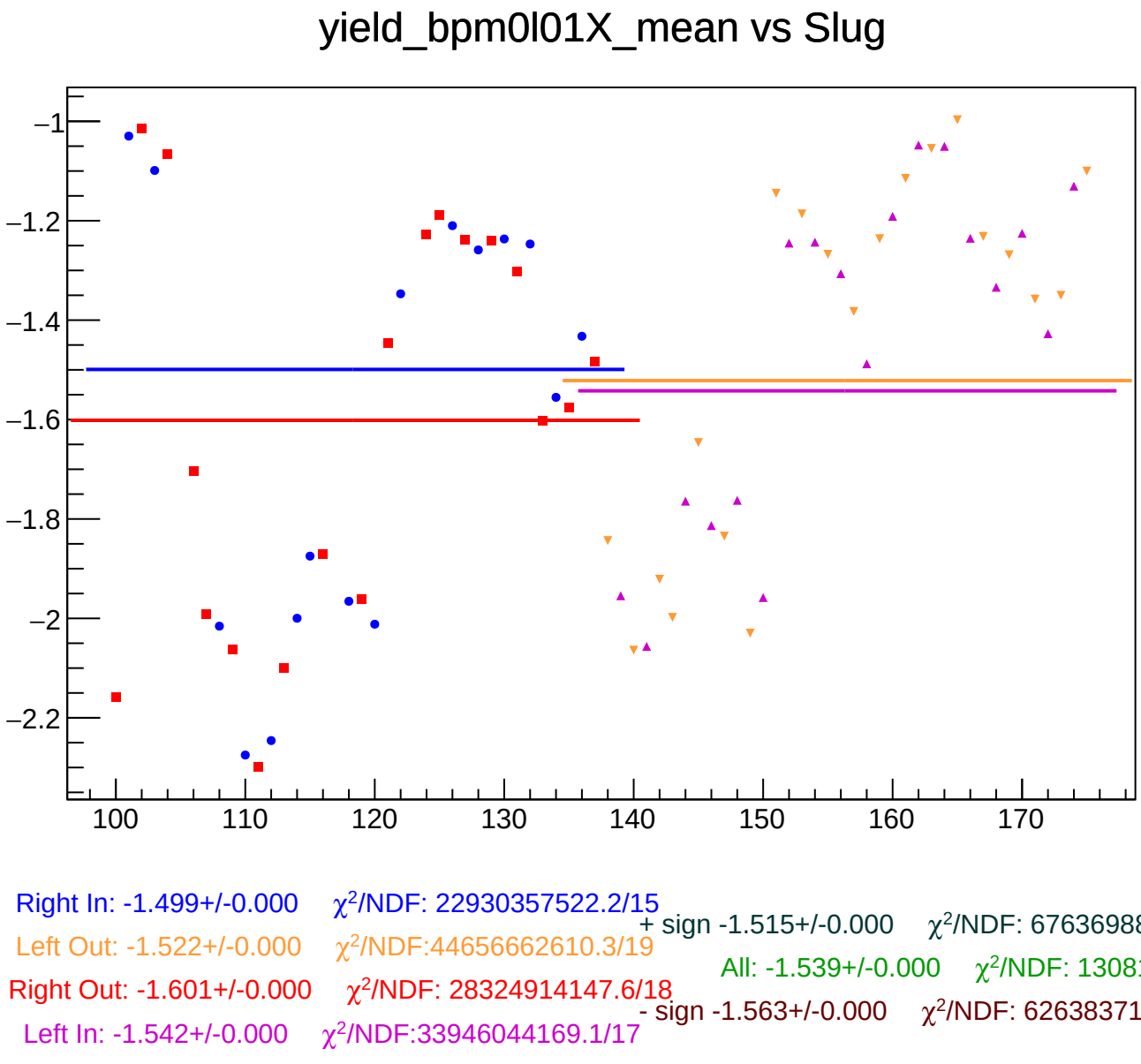
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:2012956.0/17

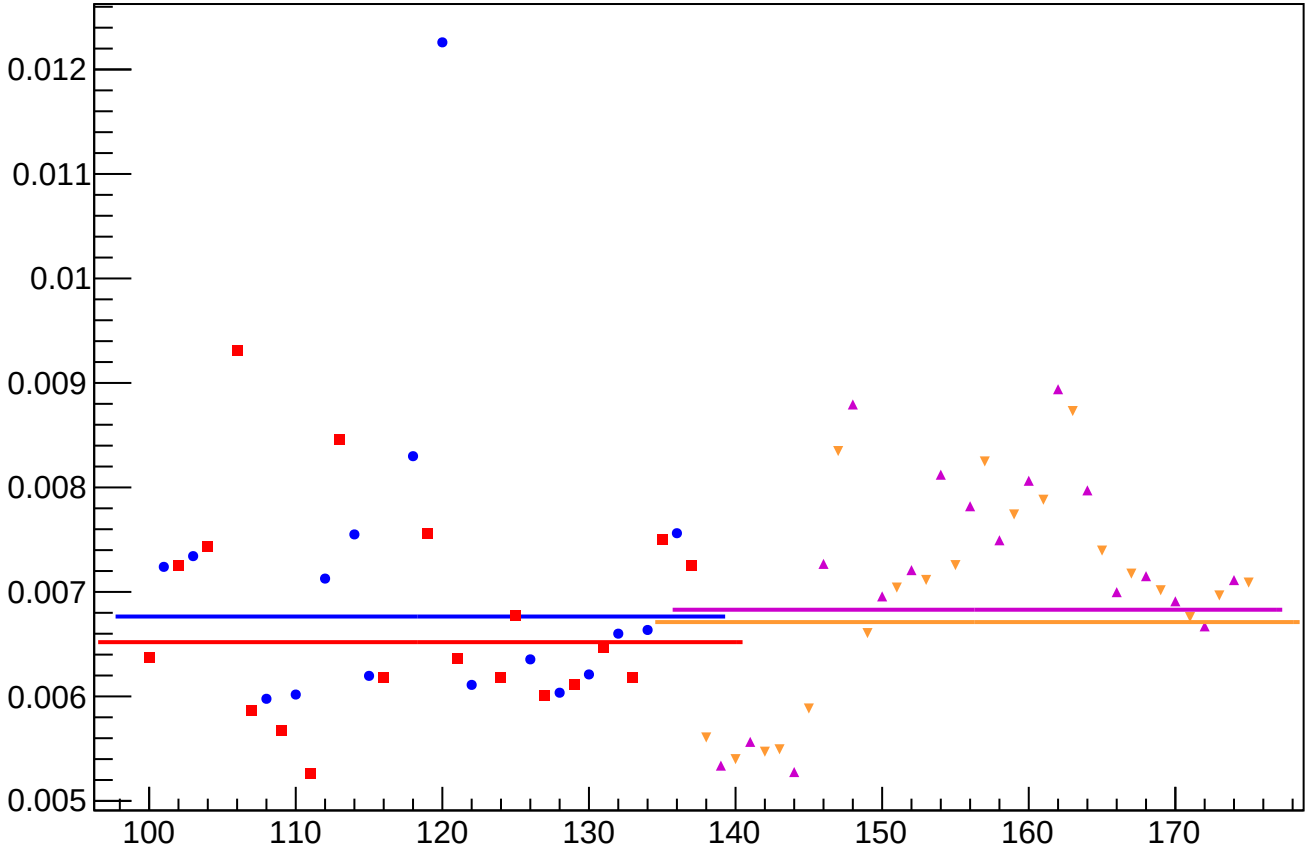
+ sign 0.003+/-0.000 χ^2/NDF: 4300173.7/35

All: 0.003+/-0.000 χ^2/NDF: 8595246.8/72

- sign 0.003+/-0.000 χ^2/NDF: 4293866.2/36


yield_bpm0l01X_mean vs Slug
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
150
160
170
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.522+/-0.000 χ²/NDF:44656662610.3/19
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.542+/-0.000 χ²/NDF:33946044169.1/17
+ sign -1.515+/-0.000 χ²/NDF: 67636988822.4/35
All: -1.539+/-0.000 χ²/NDF: 130817905111.
- sign -1.563+/-0.000 χ²/NDF: 62638371687.1/36

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:606183.2/19

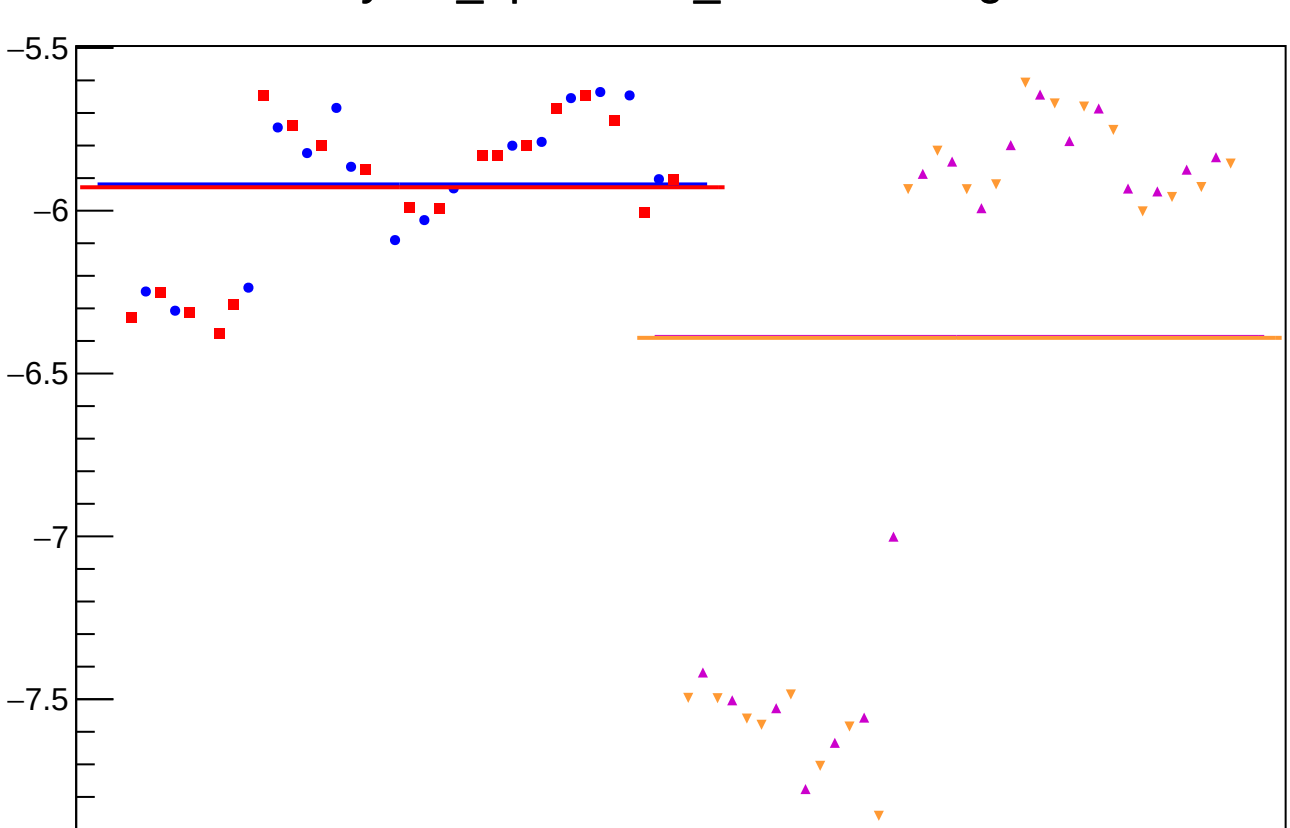
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:682256.7/17

+ sign 0.007+/-0.000 χ^2/NDF: 845307.4/35

All: 0.007+/-0.000 χ^2/NDF: 1793142.1/72

- sign 0.007+/-0.000 χ^2/NDF: 947802.1/36



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.390+/-0.000 χ^2/NDF:106871352208.6/19

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

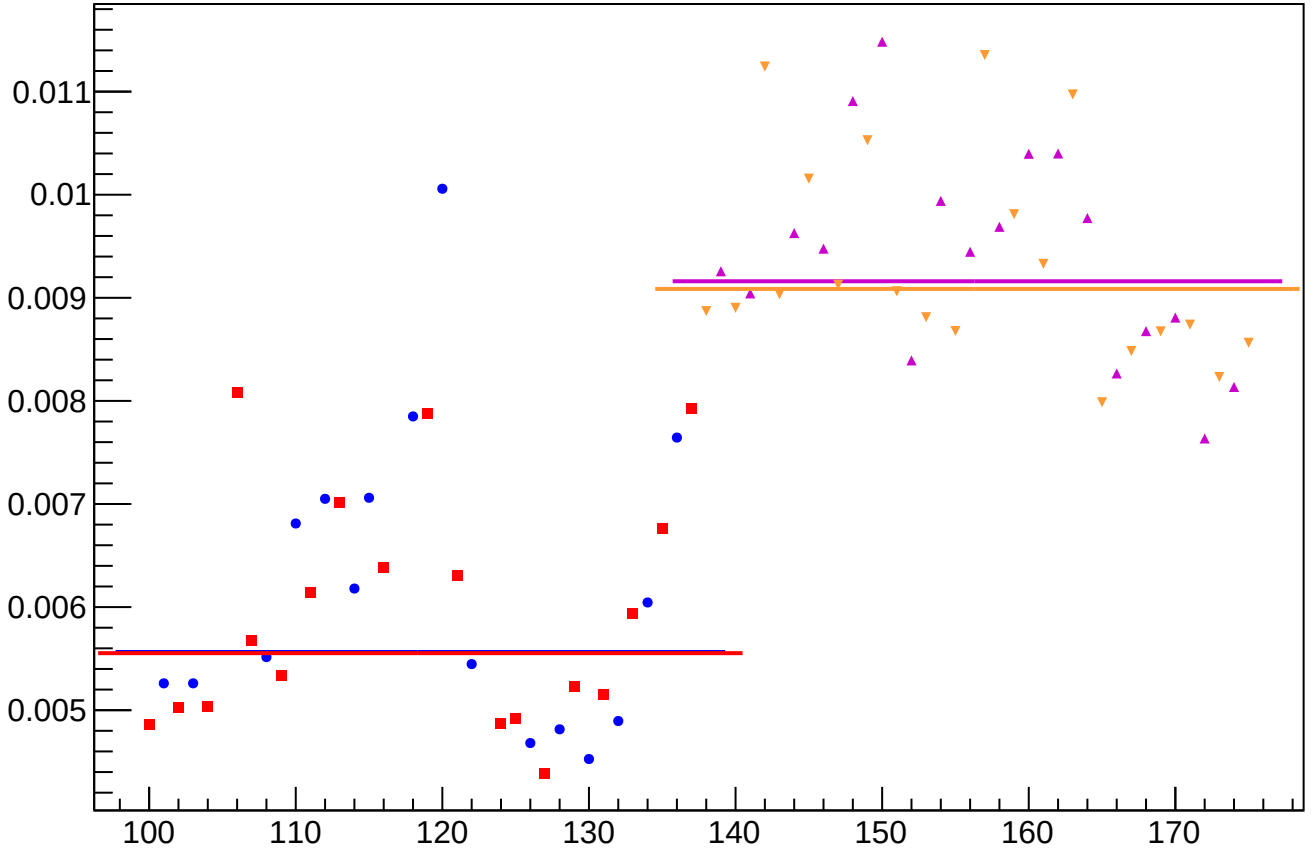
Left In: -6.388+/-0.000 χ^2/NDF:87348461577.1/17

+ sign -6.128+/-0.000 χ^2/NDF: 138068801313.1/35

All: -6.122+/-0.000 χ^2/NDF: 256242695382.3

- sign -6.116+/-0.000 χ^2/NDF: 118147725424.3/36

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:226305.1/19

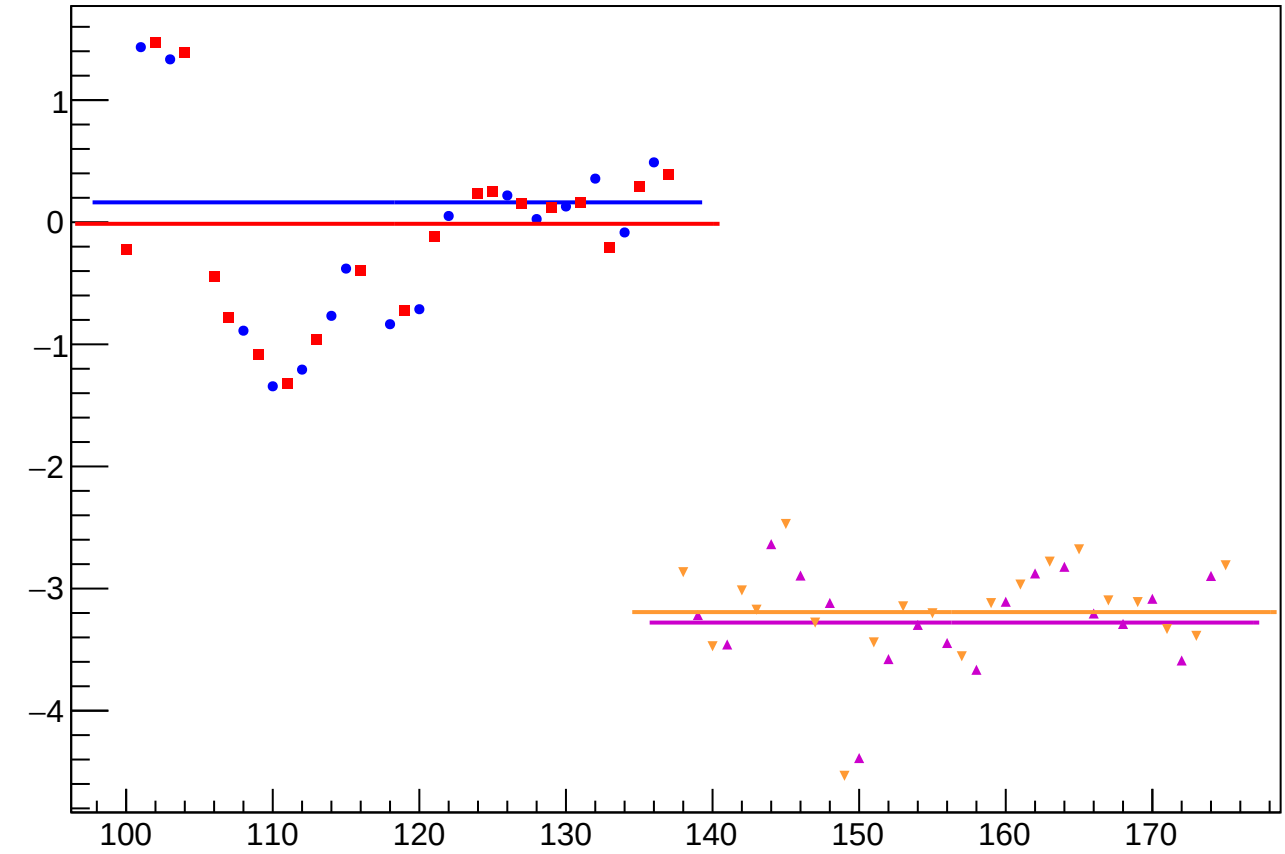
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:273788.1/17

+ sign 0.007+/-0.000 χ^2/NDF: 2897045.0/35

All: 0.007+/-0.000 χ^2/NDF: 5777057.8/72

- sign 0.007+/-0.000 χ^2/NDF: 2876674.9/36



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.193+/-0.000 χ^2/NDF:8733970569.6/19

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

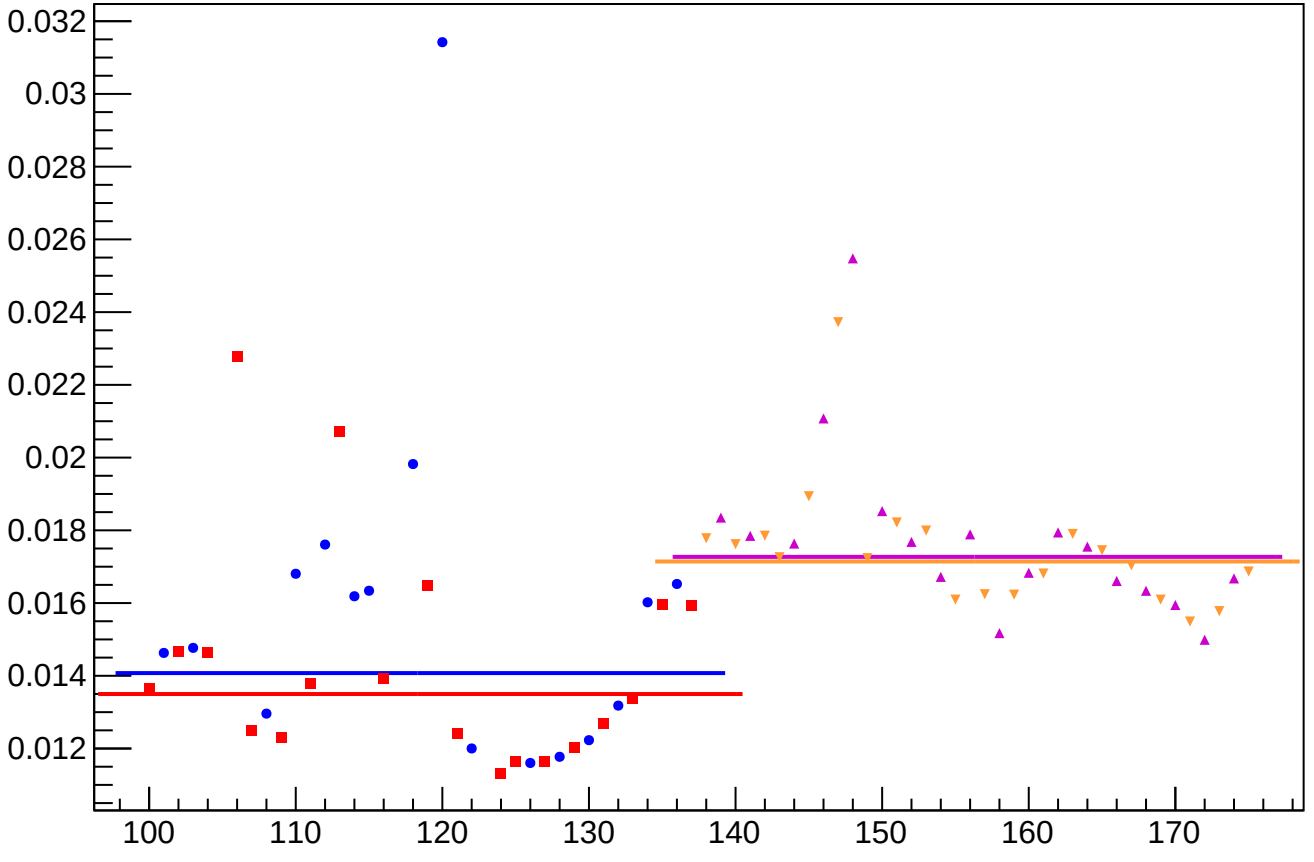
Left In: -3.278+/-0.000 χ^2/NDF:7195665519.3/17

+ sign -1.910+/-0.000 χ^2/NDF: 248116367131.9/35

All: -1.876+/-0.000 χ^2/NDF: 500038124664.8

- sign -1.842+/-0.000 χ^2/NDF: 251723660739.1/36

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.017+/-0.000 χ^2/NDF:200085.7/19

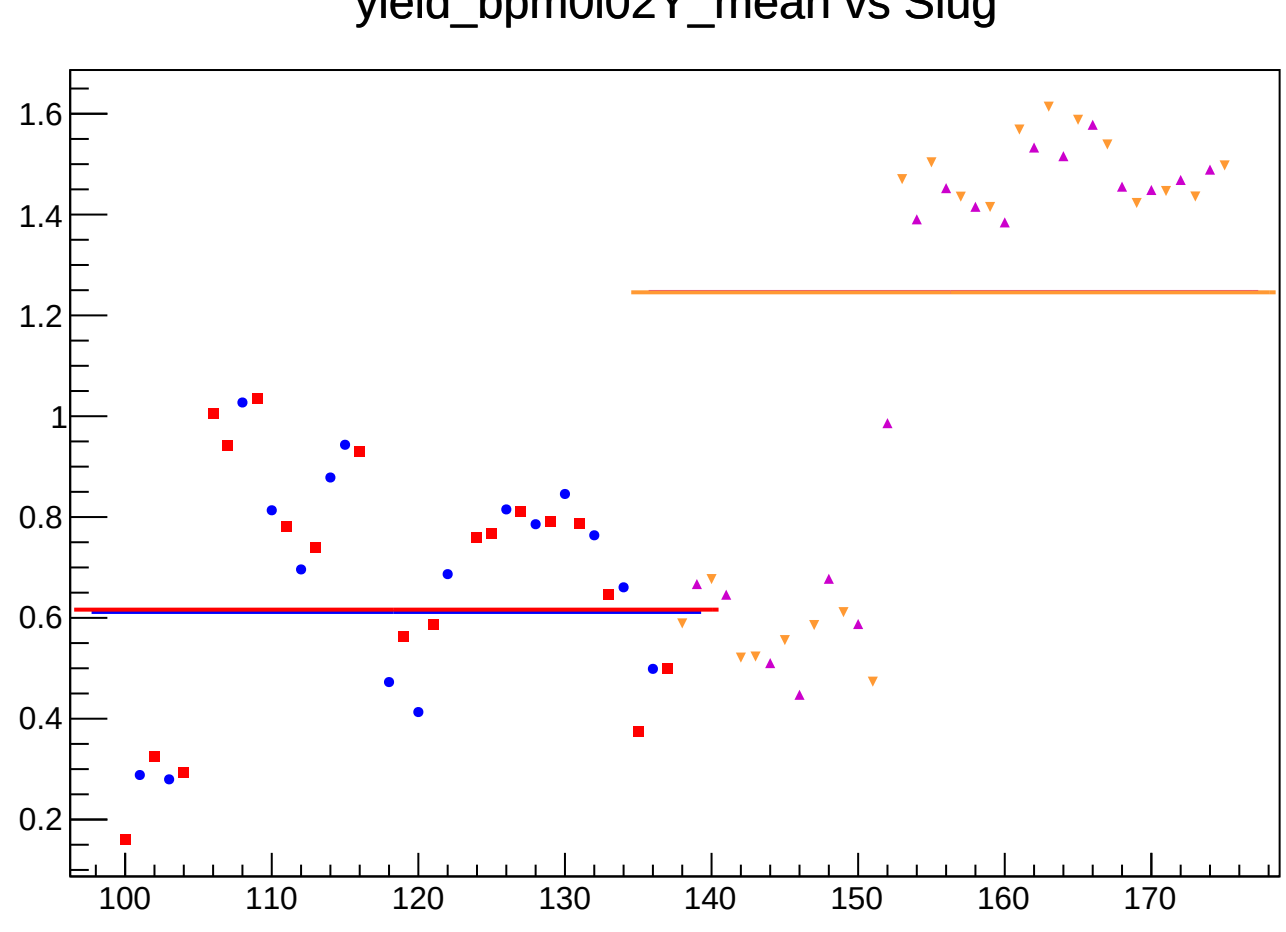
Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.017+/-0.000 χ^2/NDF:322211.2/17

+ sign 0.016+/-0.000 χ^2/NDF: 1035913.9/35

All: 0.016+/-0.000 χ^2/NDF: 2276207.7/72

- sign 0.016+/-0.000 χ^2/NDF: 1229451.4/36



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.246+/-0.000 χ^2/NDF:44972590970.6/19

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

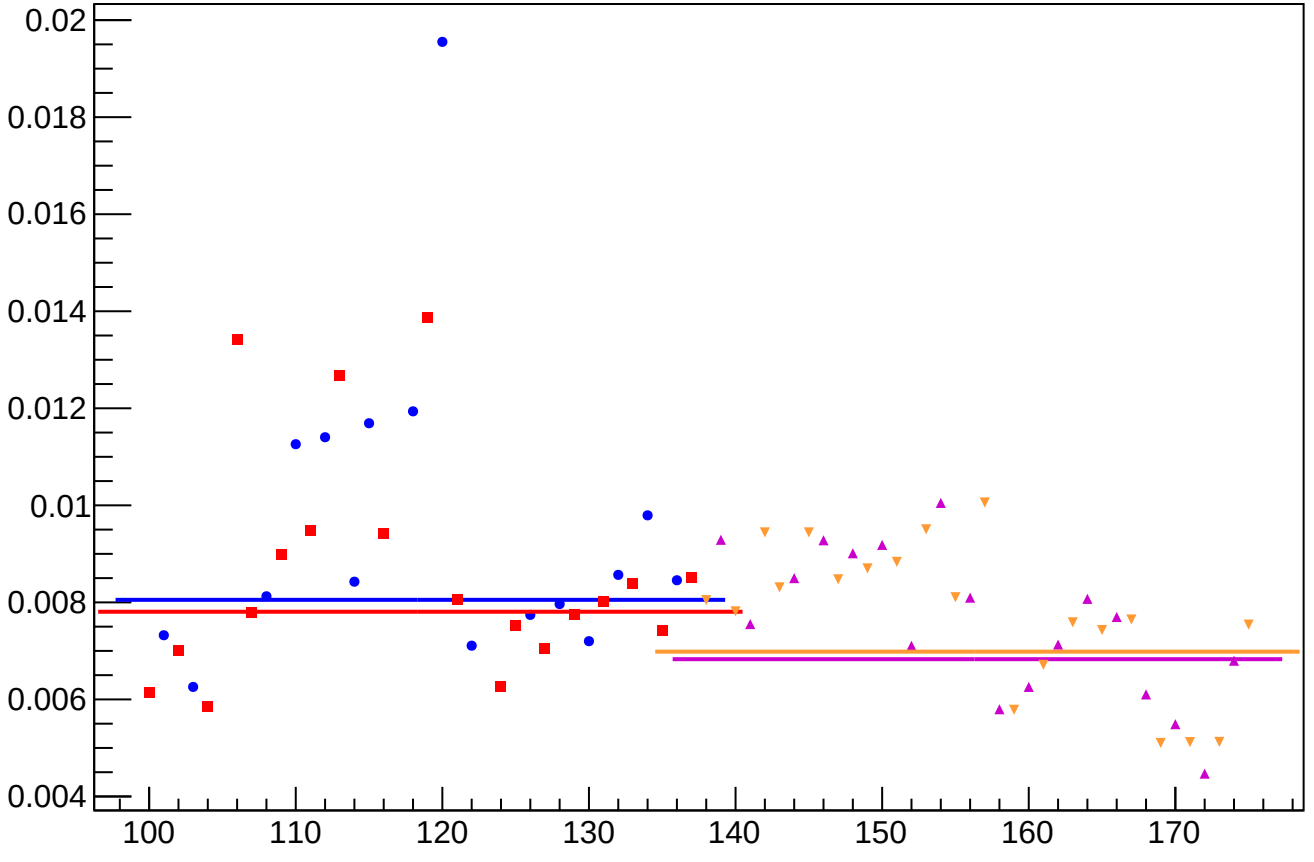
Left In: 1.246+/-0.000 χ^2/NDF:36899880643.2/17

+ sign 1.086+/-0.000 χ^2/NDF: 79020499666.1/35

All: 1.080+/-0.000 χ^2/NDF: 152658123421.3

- sign 1.073+/-0.000 χ^2/NDF: 73606201906.5/36

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:1397656.4/19

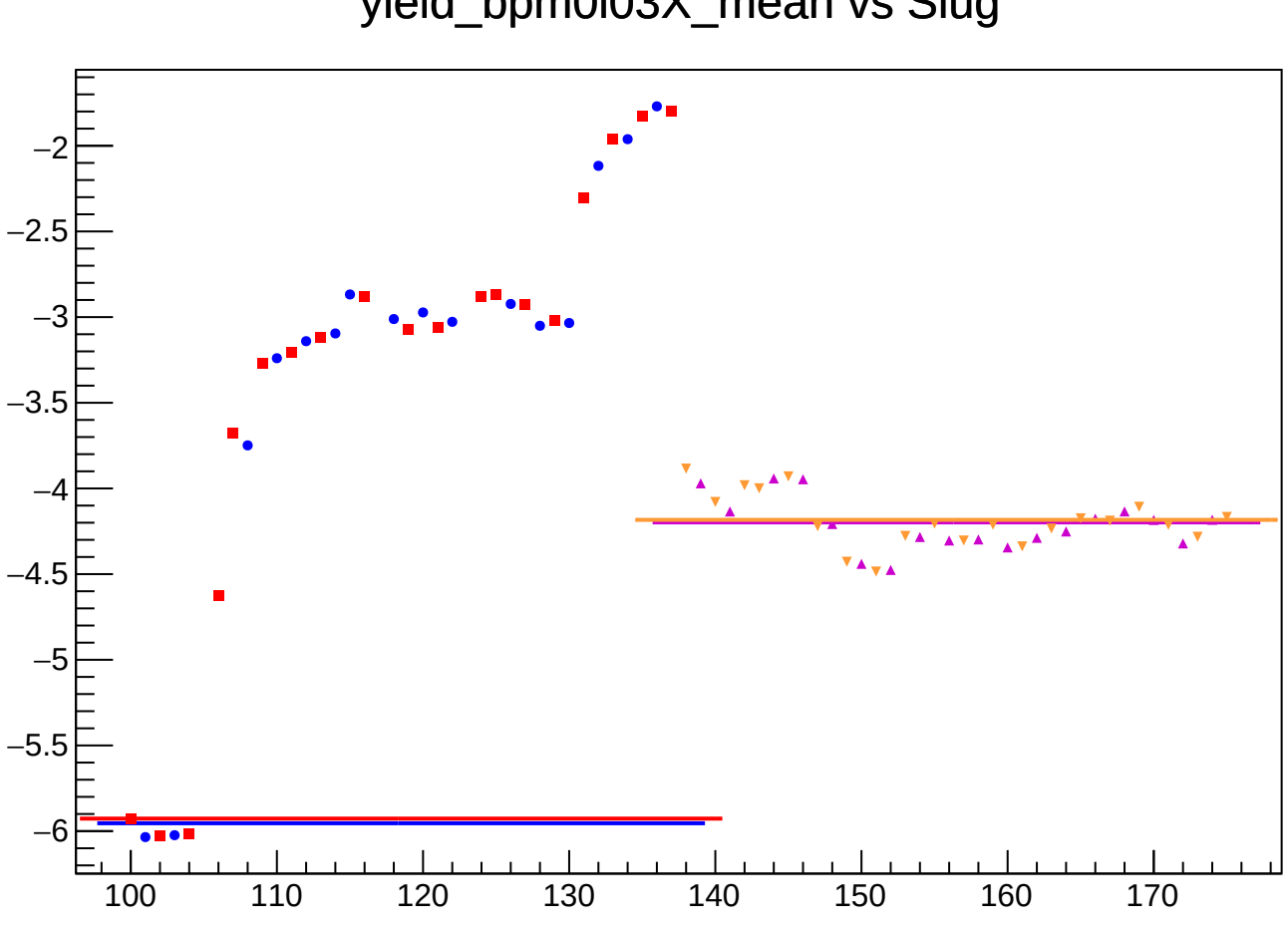
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1362862.5/17

+ sign 0.007+/-0.000 χ^2/NDF: 2157172.9/35

All: 0.007+/-0.000 χ^2/NDF: 4262253.4/72

- sign 0.007+/-0.000 χ^2/NDF: 2095906.6/36



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.183+/-0.000 χ^2/NDF:53866422.6/19

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

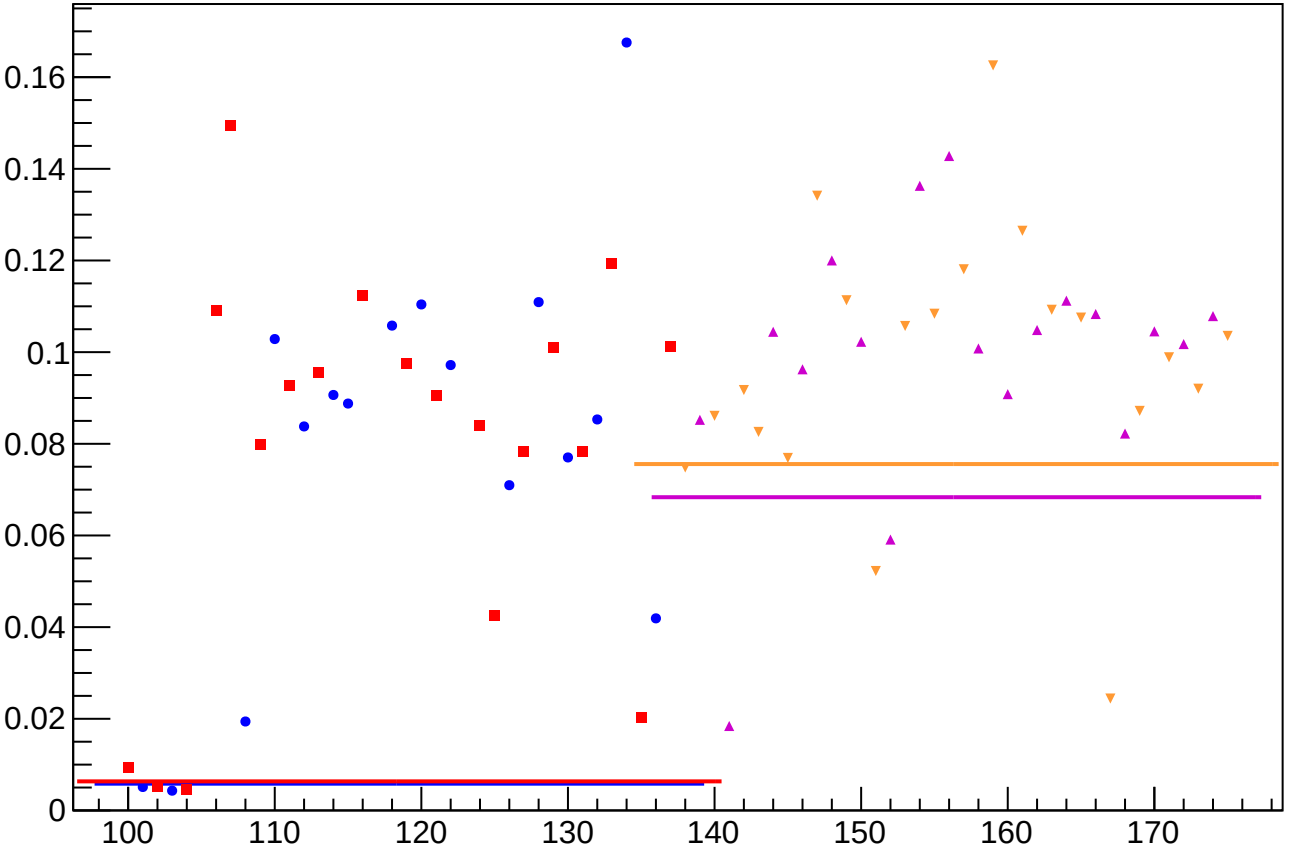
Left In: -4.198+/-0.000 χ^2/NDF:41515018.8/17

+ sign -5.890+/-0.000 χ^2/NDF: 18980532299.0/35

All: -5.873+/-0.000 χ^2/NDF: 38444236303.6/

- sign -5.852+/-0.000 χ^2/NDF: 19428659284.4/36

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.076+/-0.000 χ^2/NDF:4511022.2/19

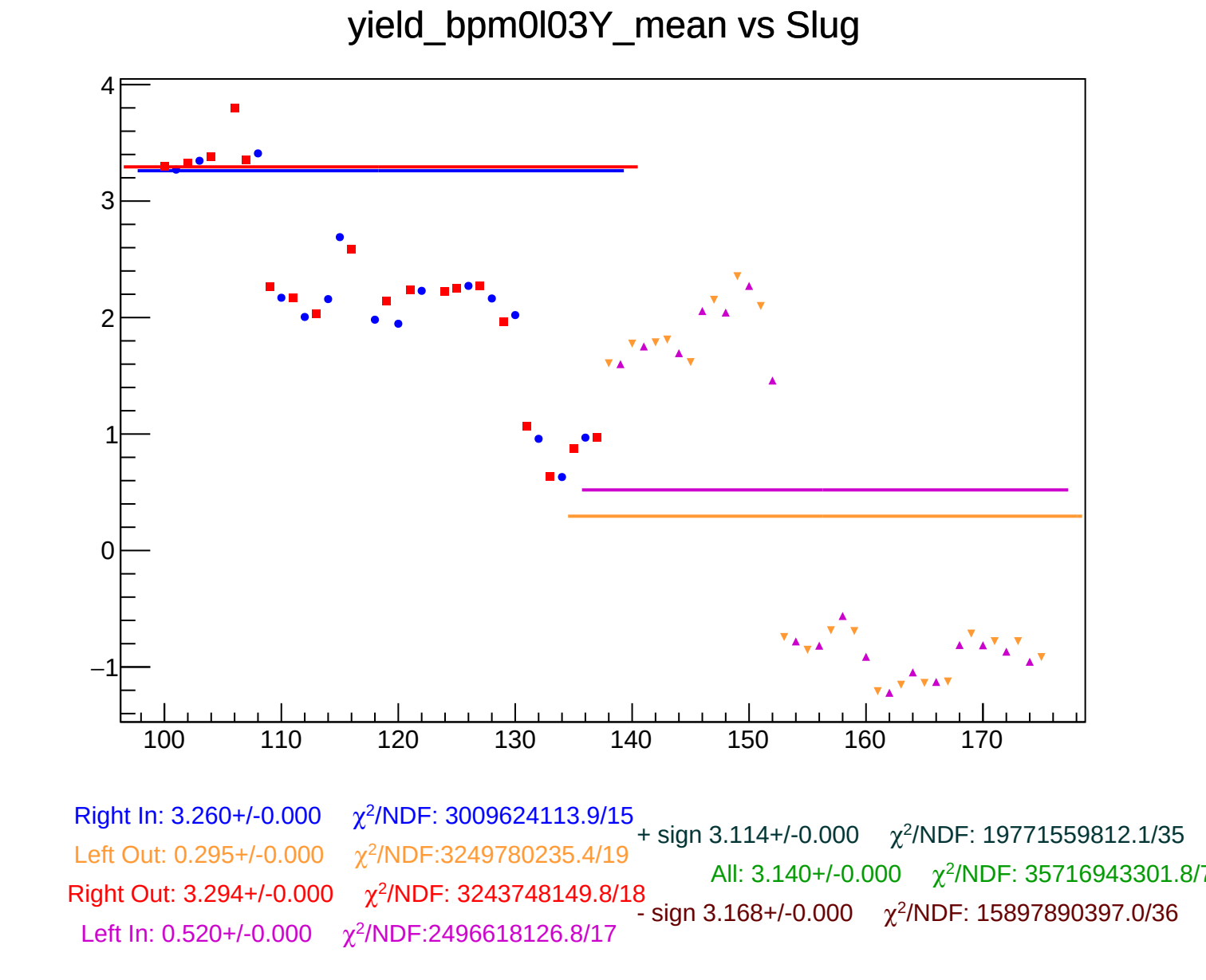
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.068+/-0.000 χ^2/NDF:6281390.4/17

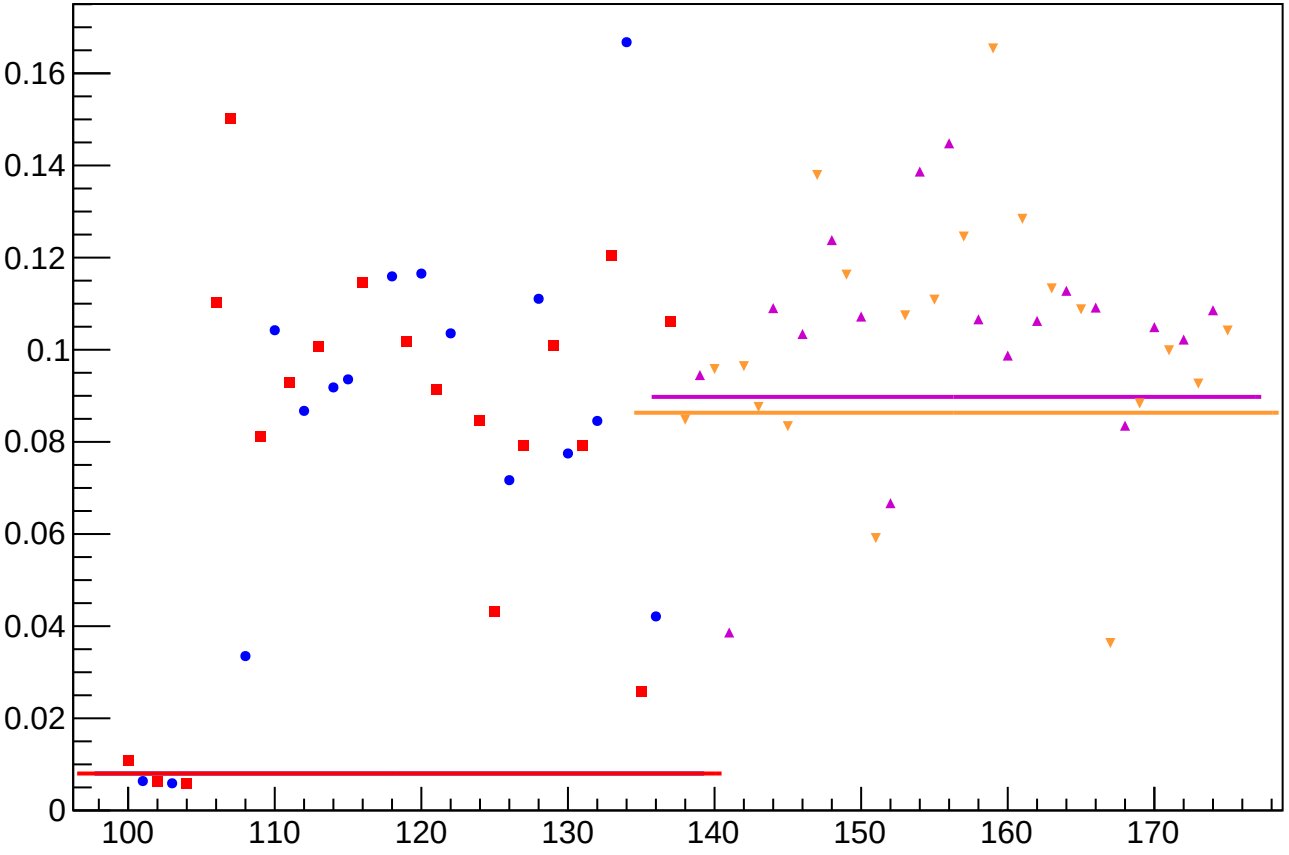
+ sign 0.008+/-0.000 χ^2/NDF: 31286452.8/35

All: 0.009+/-0.000 χ^2/NDF: 60397747.9/72

- sign 0.009+/-0.000 χ^2/NDF: 29089788.0/36


yield_bpm0l03Y_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: 3.260+/-0.000 χ²/NDF: 3009624113.9/15
Left Out: 0.295+/-0.000 χ²/NDF:3249780235.4/19
Right Out: 3.294+/-0.000 χ²/NDF: 3243748149.8/18
Left In: 0.520+/-0.000 χ²/NDF:2496618126.8/17
+ sign 3.114+/-0.000 χ²/NDF: 19771559812.1/35
All: 3.140+/-0.000 χ²/NDF: 35716943301.8/7
- sign 3.168+/-0.000 χ²/NDF: 15897890397.0/36

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.086+/-0.000 χ^2/NDF:2840111.6/19

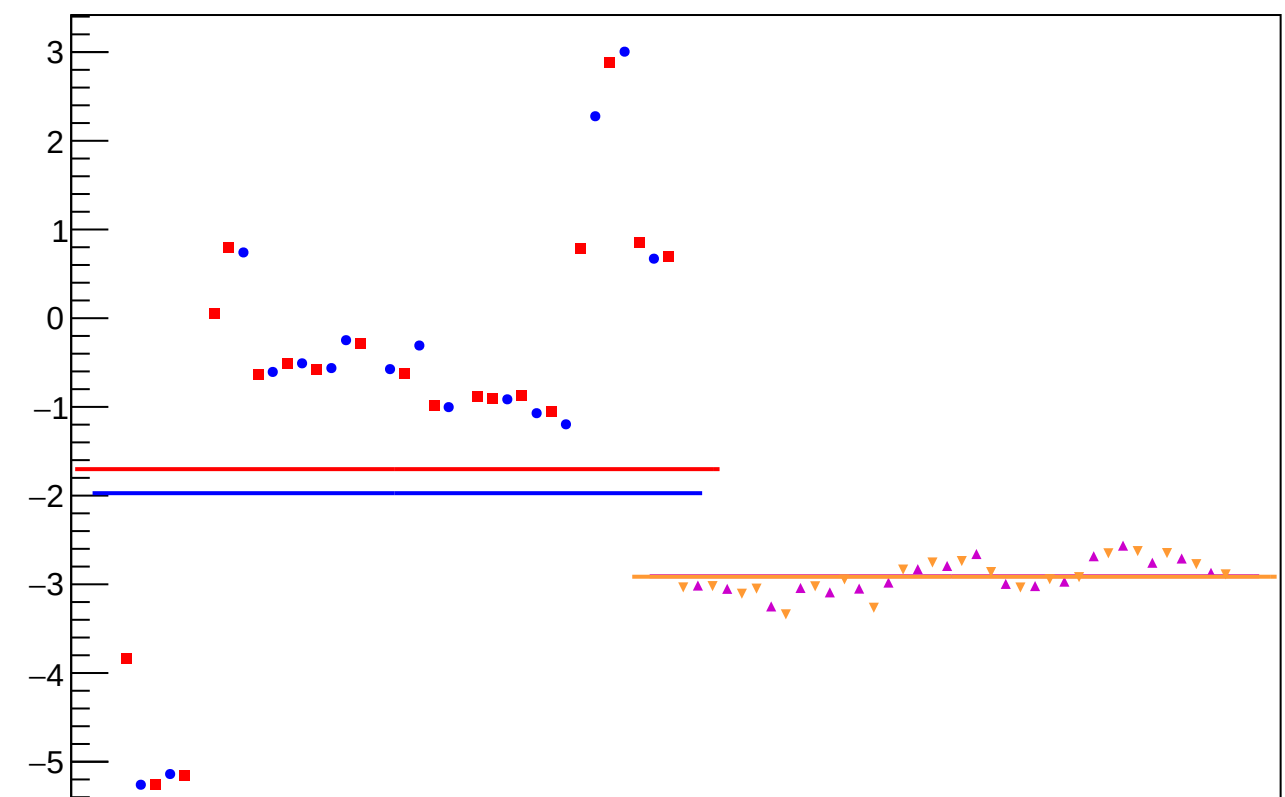
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.090+/-0.000 χ^2/NDF:2365118.1/17

+ sign 0.012+/-0.000 χ^2/NDF: 30095316.5/35

All: 0.012+/-0.000 χ^2/NDF: 58653914.8/72

- sign 0.012+/-0.000 χ^2/NDF: 28557449.4/36



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.914+/-0.000 χ^2/NDF:8845282002.4/19

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

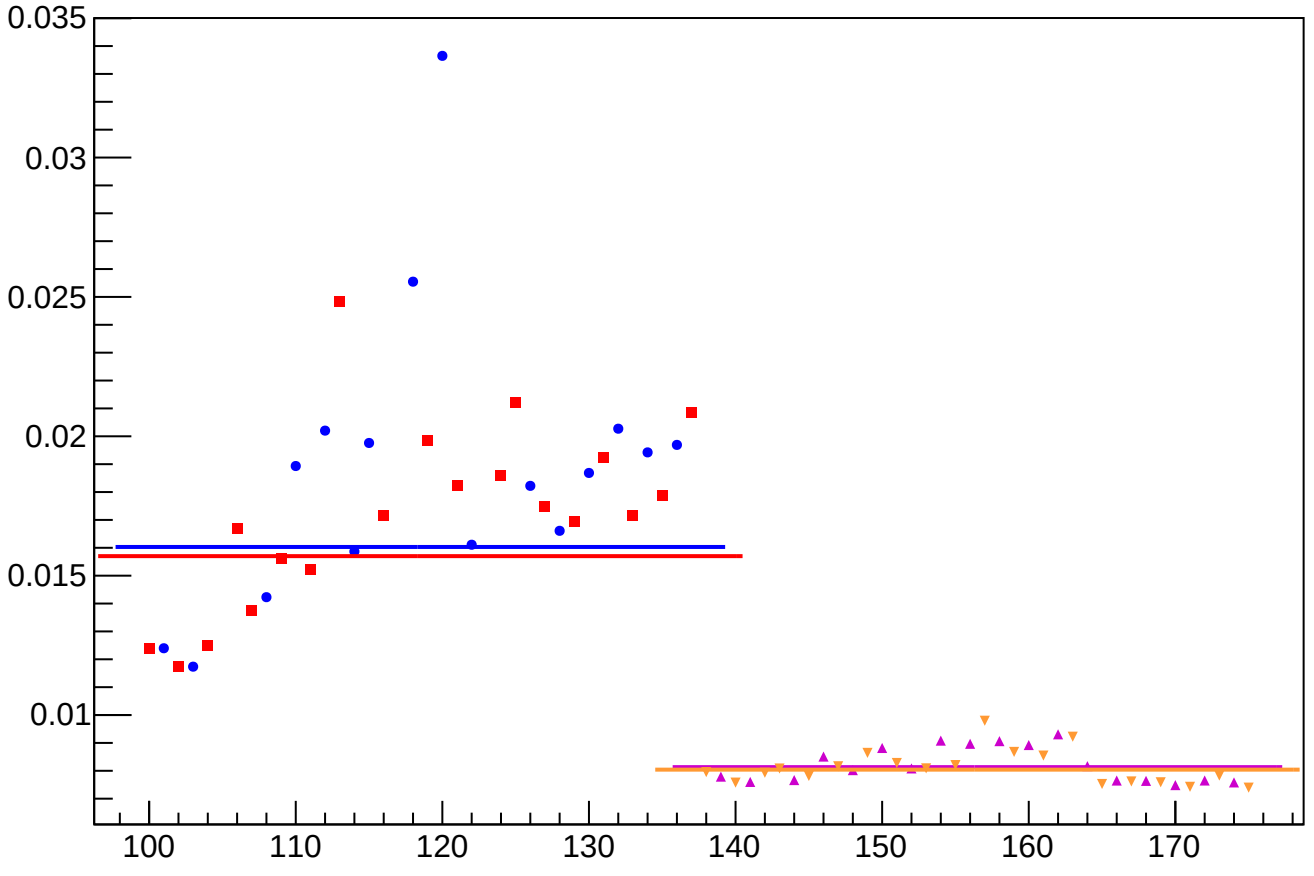
Left In: -2.909+/-0.000 χ^2/NDF:7199169642.6/17

+ sign -2.831+/-0.000 χ^2/NDF: 189130794994.9/35

All: -2.806+/-0.000 χ^2/NDF: 398418045531.2

- sign -2.779+/-0.000 χ^2/NDF: 208950103854.4/36

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:146583.1/19

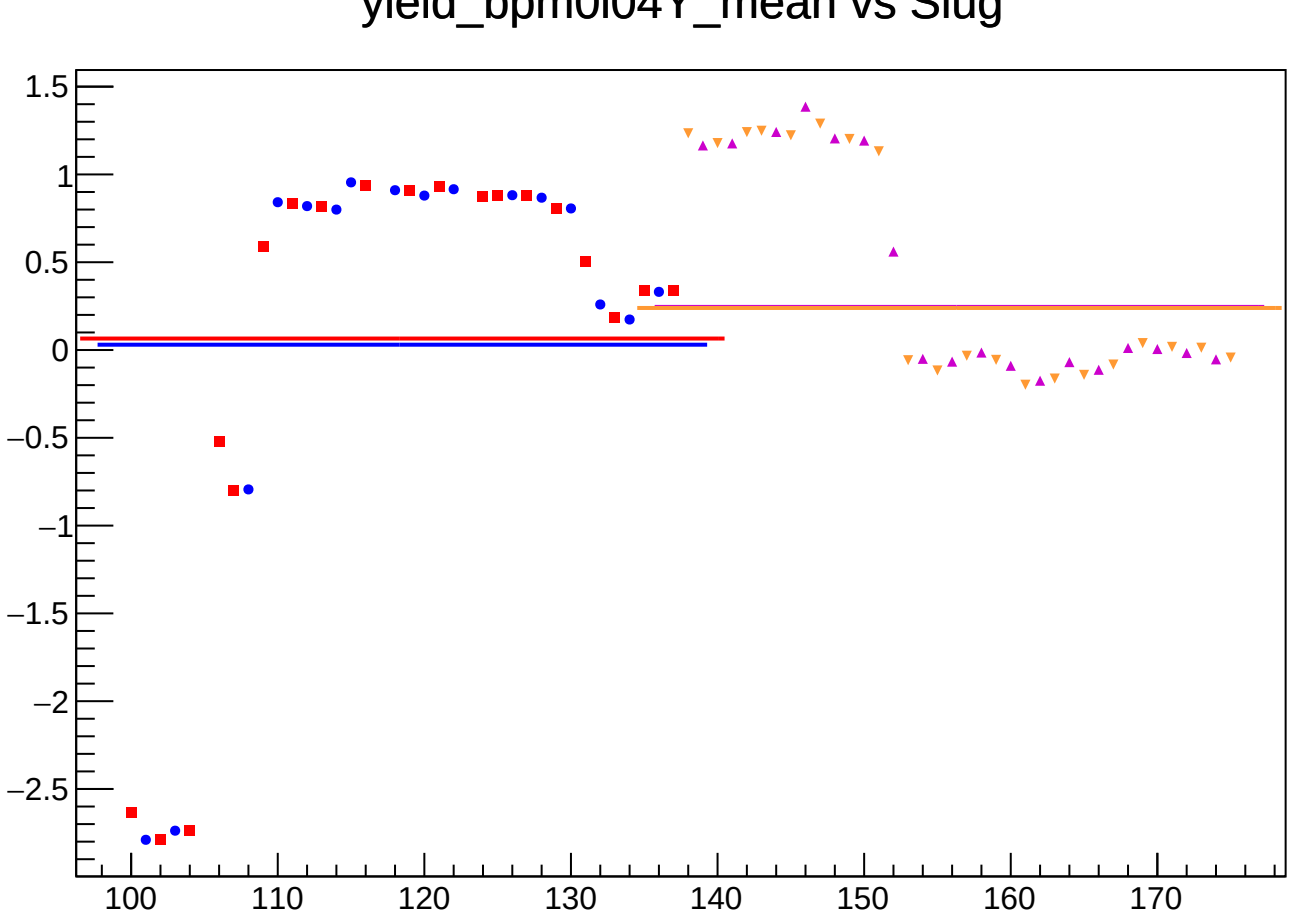
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:155044.4/17

+ sign 0.009+/-0.000 χ^2/NDF: 3517389.0/35

All: 0.009+/-0.000 χ^2/NDF: 6827772.5/72

- sign 0.009+/-0.000 χ^2/NDF: 3300642.3/36



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.239+/-0.000 χ^2/NDF:101416680012.7/19

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

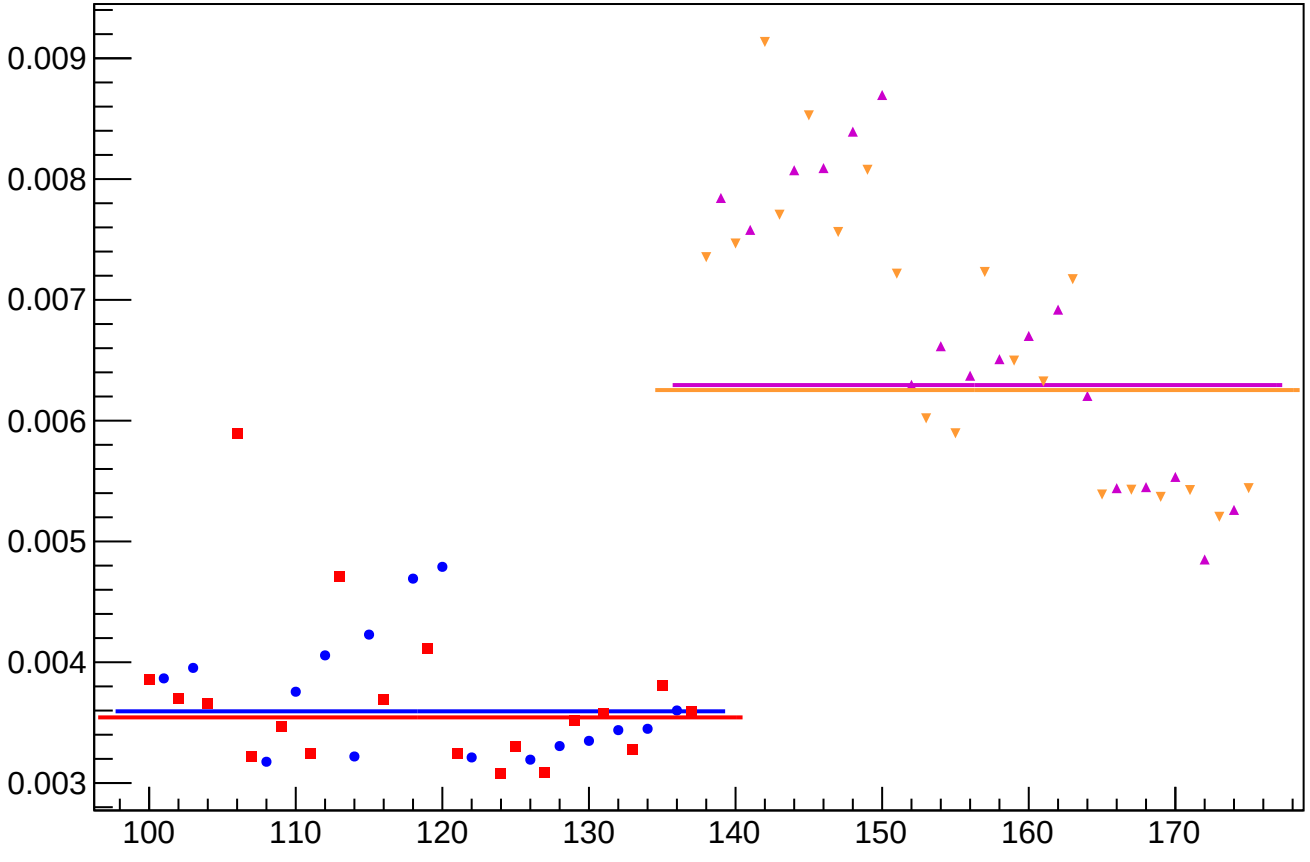
Left In: 0.245+/-0.000 χ^2/NDF:85002177144.5/17

+ sign 0.113+/-0.000 χ^2/NDF: 962160084945.0/35

All: 0.122+/-0.000 χ^2/NDF: 1989354234012.

- sign 0.131+/-0.000 χ^2/NDF: 1027065020883.8/36

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:703401.1/19

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

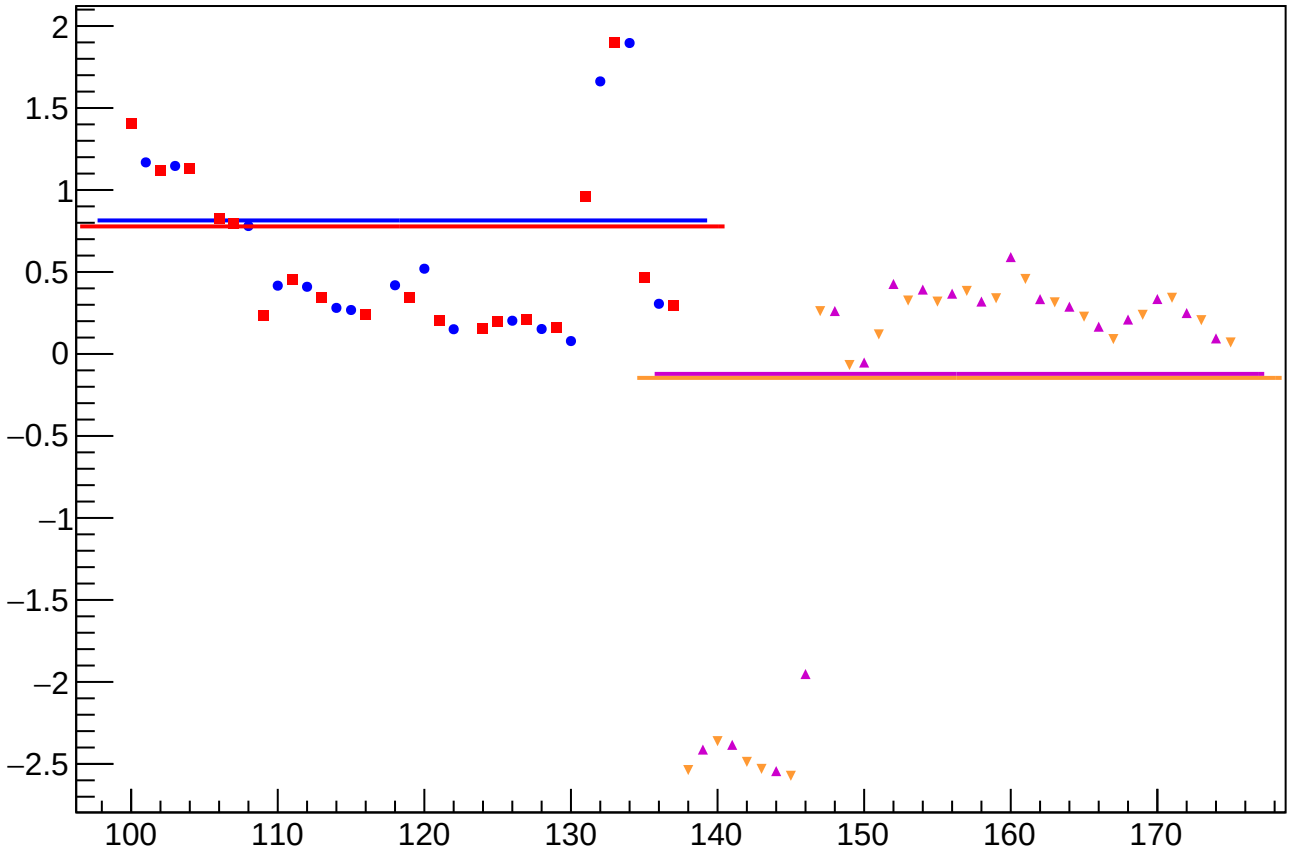
Left In: 0.006+/-0.000 χ^2/NDF:757860.1/17

+ sign 0.005+/-0.000 χ^2/NDF: 3813715.6/35

All: 0.005+/-0.000 χ^2/NDF: 7878206.6/72

- sign 0.005+/-0.000 χ^2/NDF: 4053916.7/36

yield_bpm0l05X_mean vs Slug



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.146+/-0.000 χ^2/NDF:378724454691.7/19

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

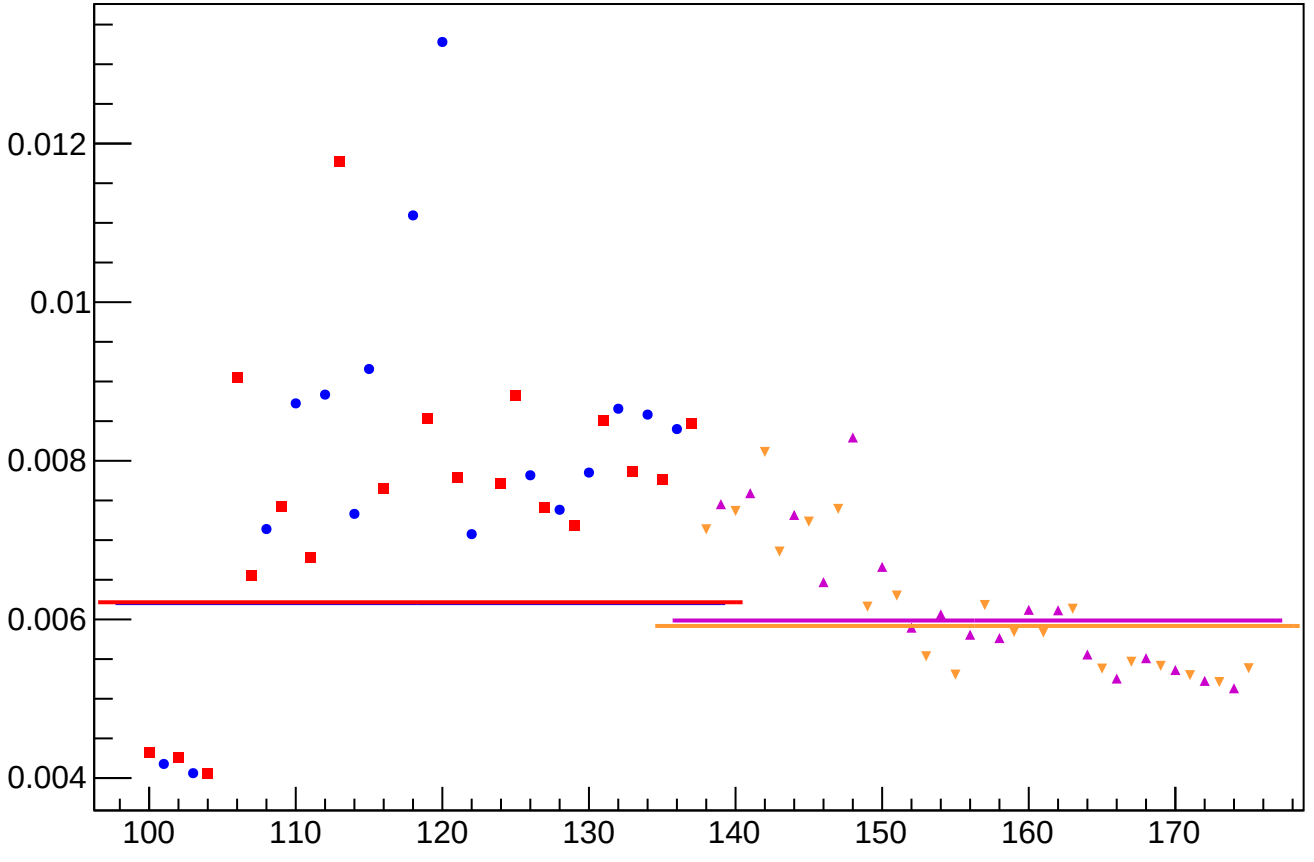
Left In: -0.122+/-0.000 χ^2/NDF:339336044900.4/17

+ sign 0.106+/-0.000 χ^2/NDF: 512349258982.3/35

All: 0.123+/-0.000 χ^2/NDF: 975559585999.5

- sign 0.142+/-0.000 χ^2/NDF: 462854000386.0/36

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:415921.9/19

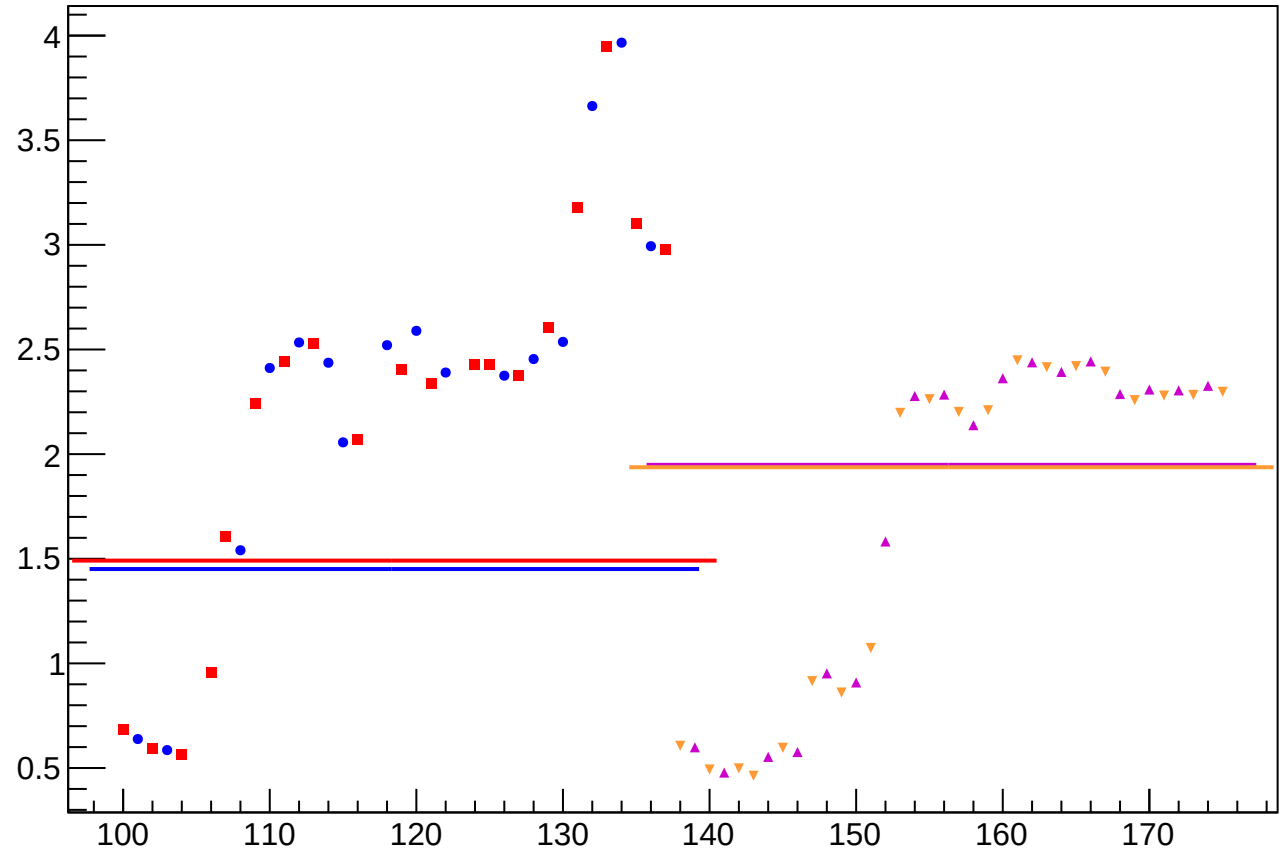
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:463575.9/17

+ sign 0.006+/-0.000 χ^2/NDF: 1857537.6/35

All: 0.006+/-0.000 χ^2/NDF: 3495845.4/72

- sign 0.006+/-0.000 χ^2/NDF: 1636315.6/36



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.937+/-0.000 χ^2/NDF:209308857912.8/19

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

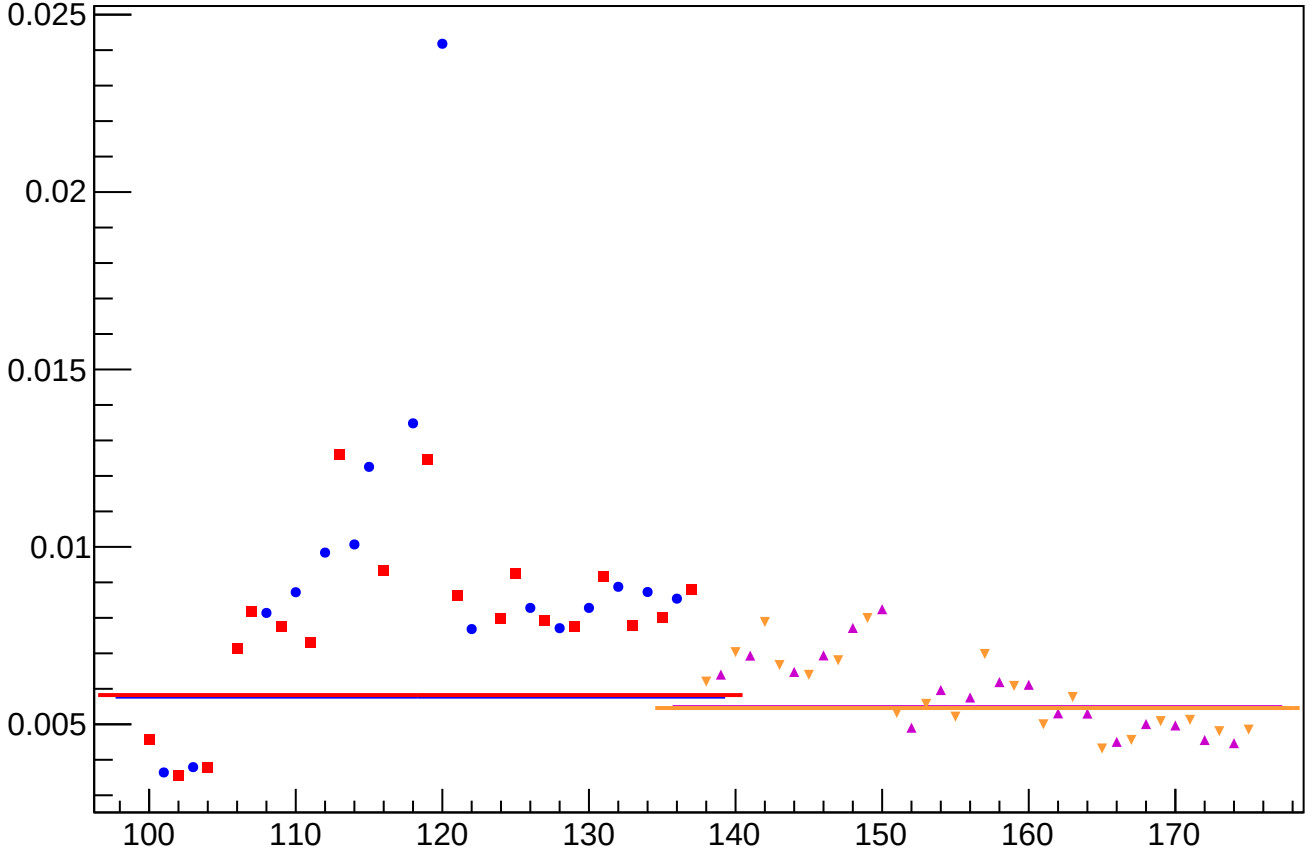
Left In: 1.949+/-0.000 χ^2/NDF:183455924180.2/17

+ sign 1.814+/-0.000 χ^2/NDF: 405420567709.0/35

All: 1.817+/-0.000 χ^2/NDF: 800072367525.3

- sign 1.819+/-0.000 χ^2/NDF: 394643942474.6/36

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:687088.3/19

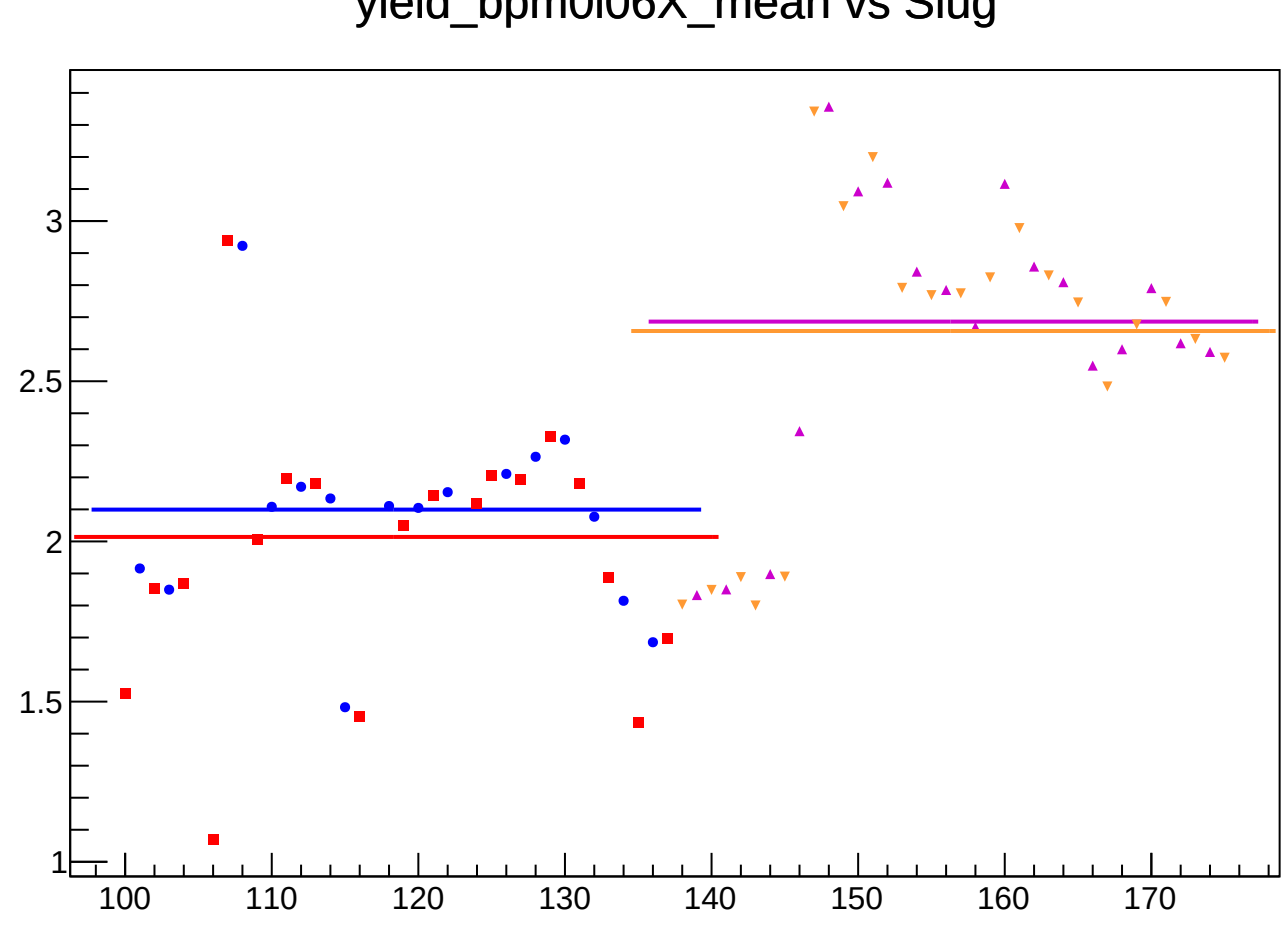
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:741265.9/17

+ sign 0.006+/-0.000 χ^2/NDF: 2924135.0/35

All: 0.006+/-0.000 χ^2/NDF: 5648687.2/72

- sign 0.006+/-0.000 χ^2/NDF: 2723598.1/36



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.657+/-0.000 χ^2/NDF:43676891609.0/19

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

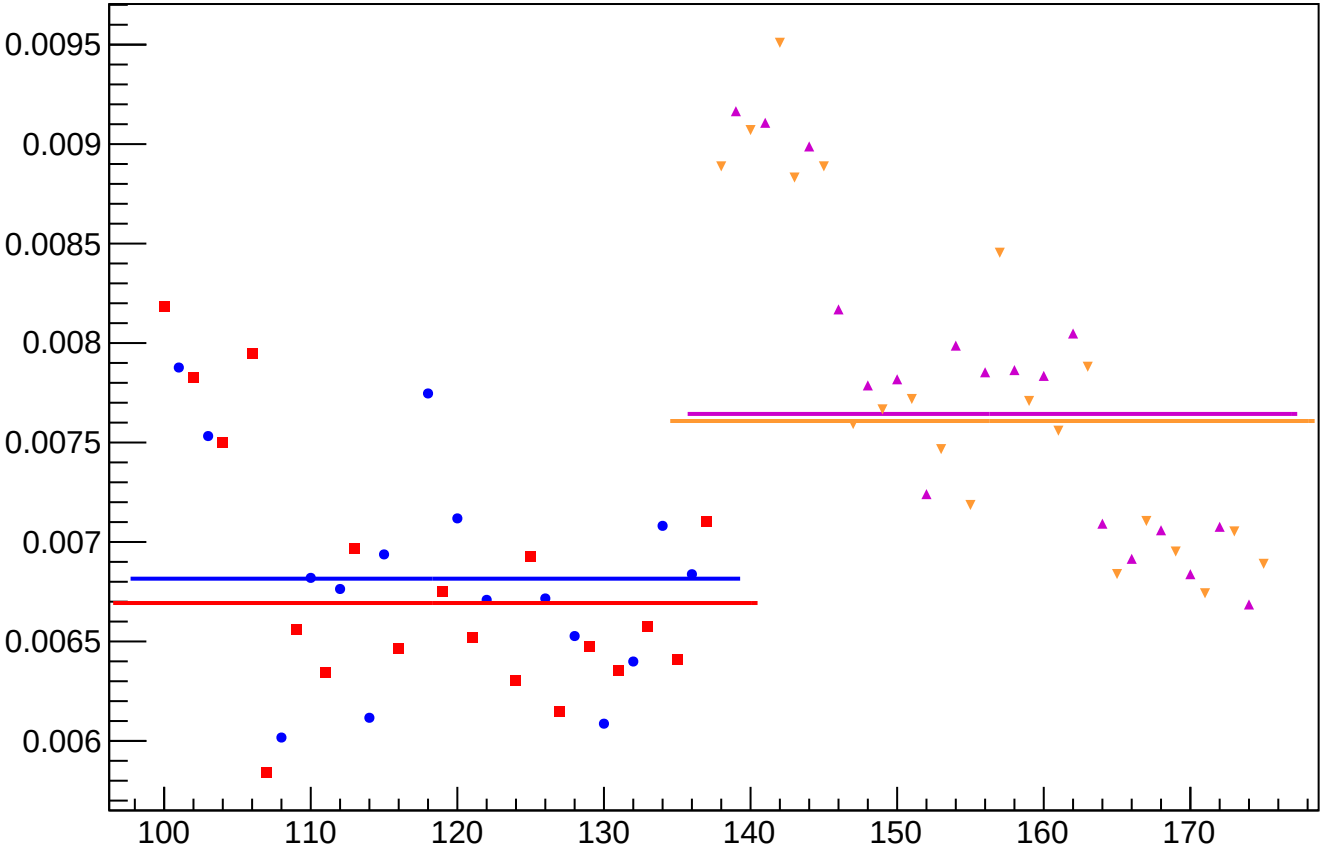
Left In: 2.686+/-0.000 χ^2/NDF:37037412333.9/17

+ sign 2.454+/-0.000 χ^2/NDF: 86630612204.3/35

All: 2.436+/-0.000 χ^2/NDF: 186802859015.4

- sign 2.418+/-0.000 χ^2/NDF: 99915118384.0/36

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:274870.6/19

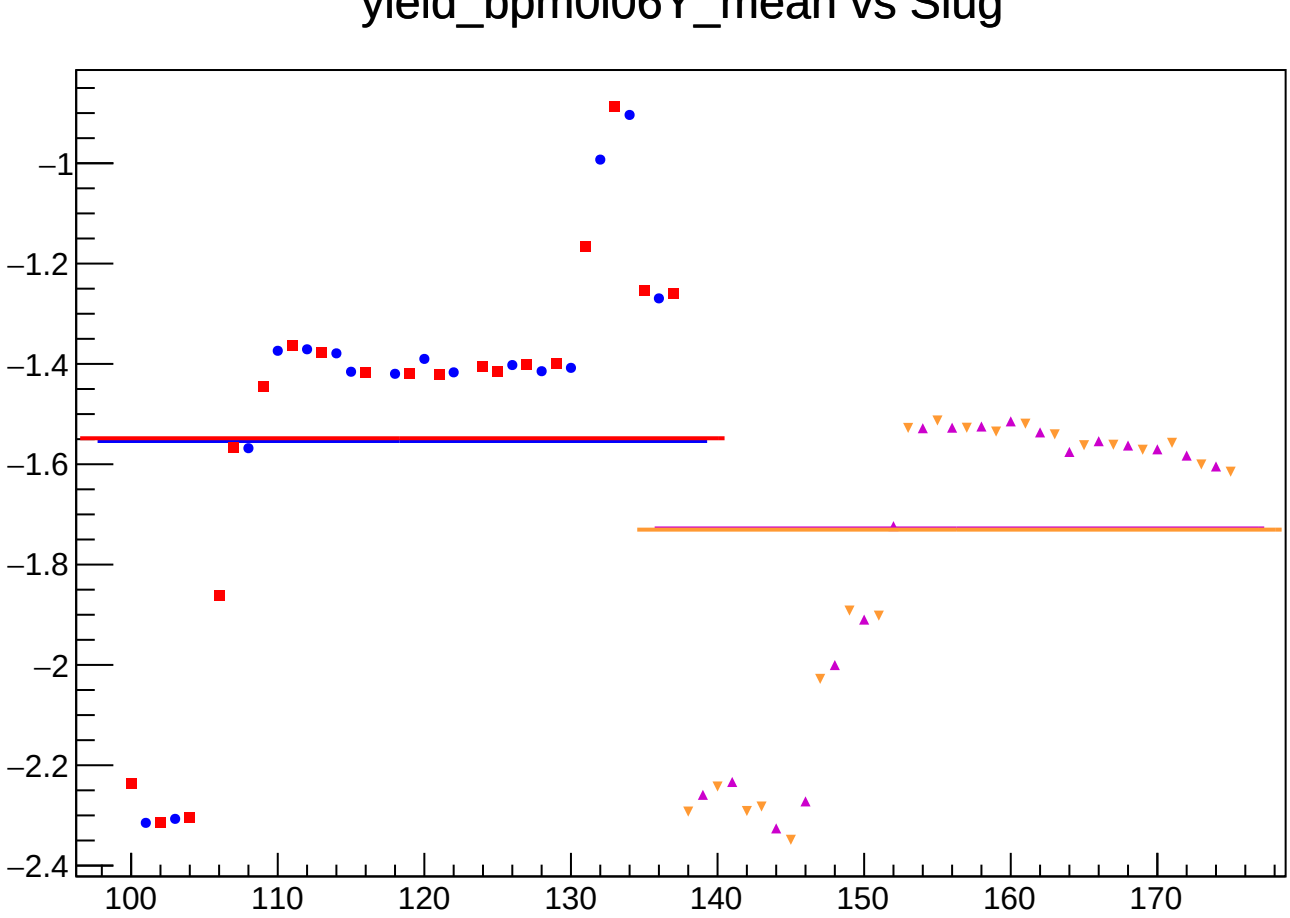
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:245468.7/17

+ sign 0.007+/-0.000 χ^2/NDF: 478981.6/35

All: 0.007+/-0.000 χ^2/NDF: 986559.6/72

- sign 0.007+/-0.000 χ^2/NDF: 506365.0/36



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.730+/-0.000 χ^2/NDF:147381548169.0/19

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

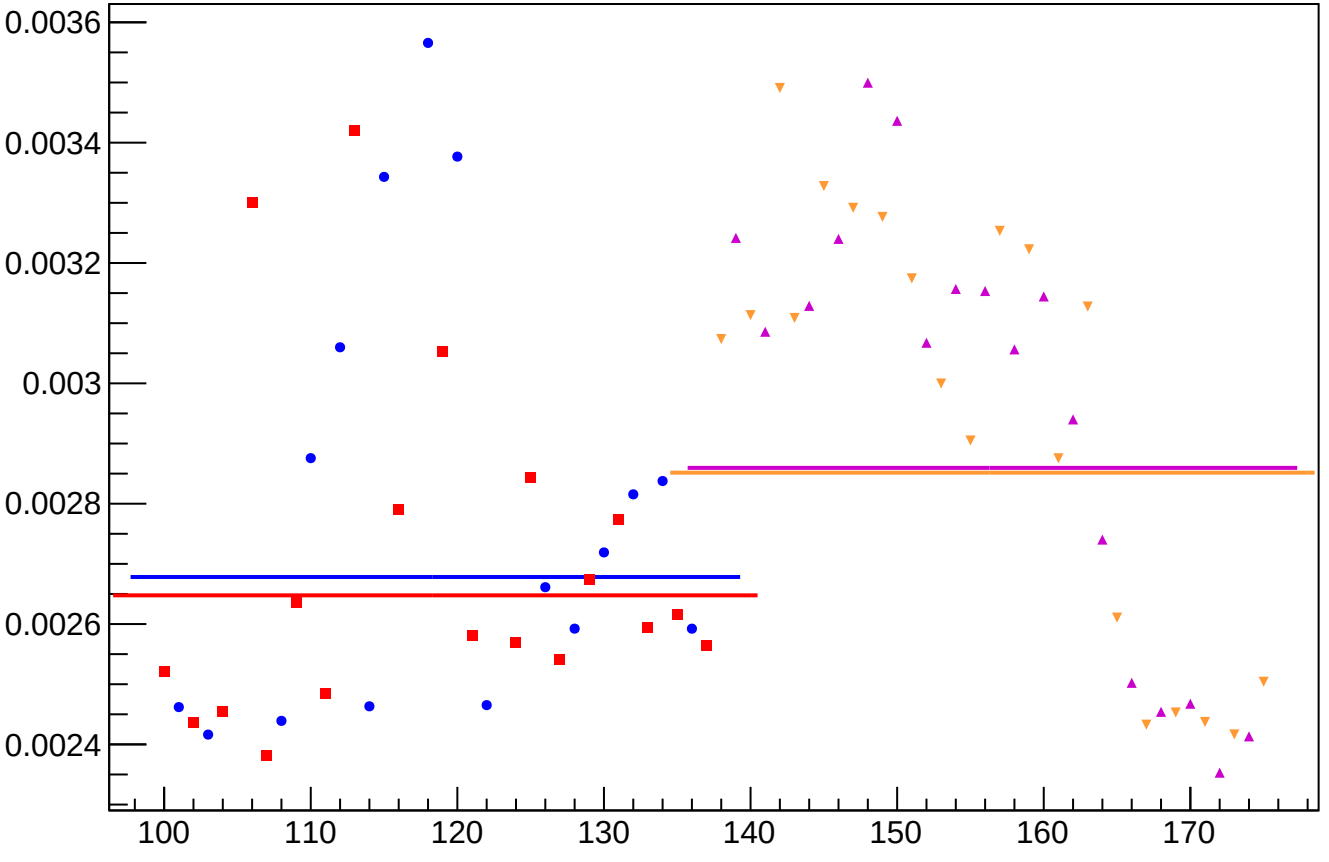
Left In: -1.728+/-0.000 χ^2/NDF:132768462011.1/17

+ sign -1.670+/-0.000 χ^2/NDF: 341758741488.3/35

All: -1.665+/-0.000 χ^2/NDF: 669650592403.9

- sign -1.661+/-0.000 χ^2/NDF: 327786473030.9/36

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:439129.6/19

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

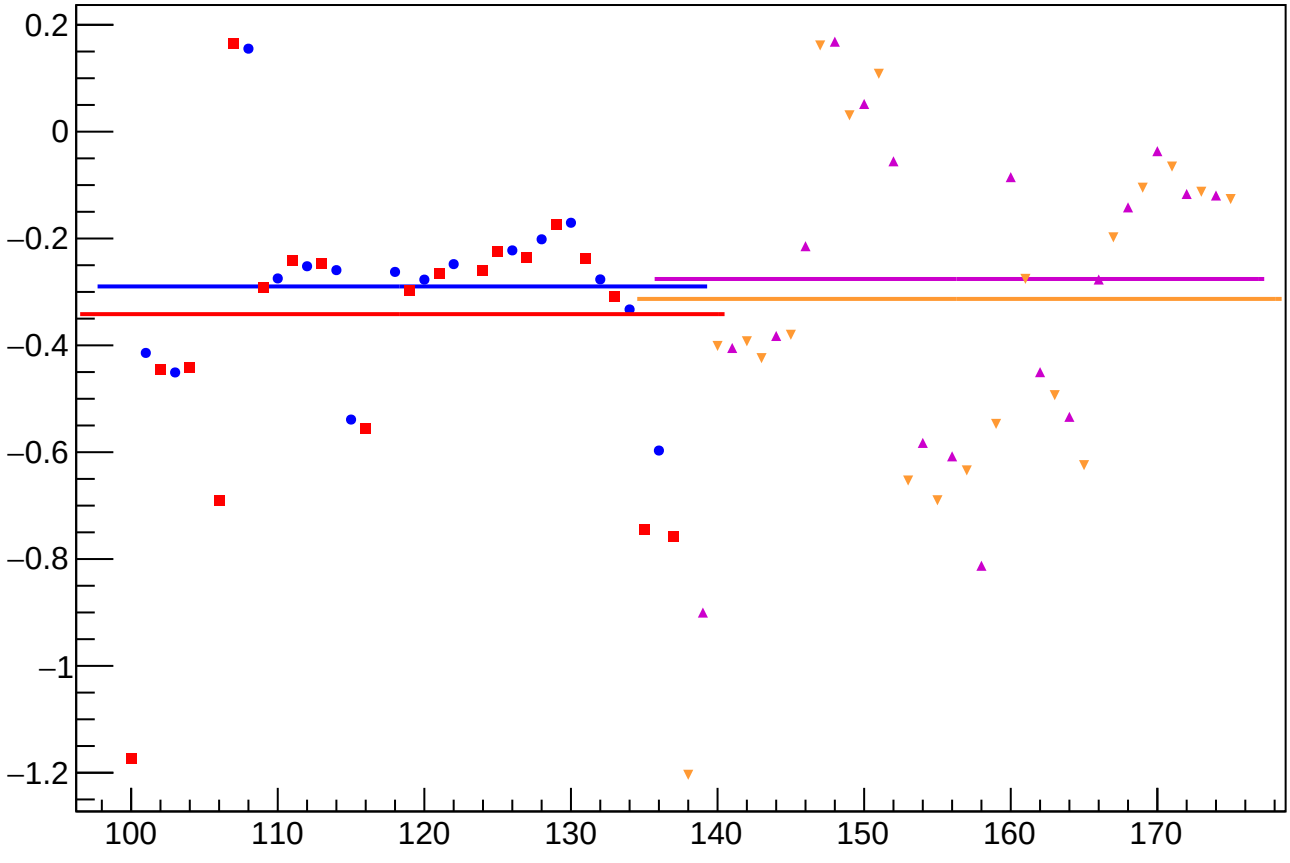
Left In: 0.003+/-0.000 χ^2/NDF:461211.6/17

+ sign 0.003+/-0.000 χ^2/NDF: 633989.4/35

All: 0.003+/-0.000 χ^2/NDF: 1268027.3/72

- sign 0.003+/-0.000 χ^2/NDF: 633673.7/36

yield_bpm0l07X_mean vs Slug



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.313+/-0.000 χ^2/NDF:8929504501.6/19

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

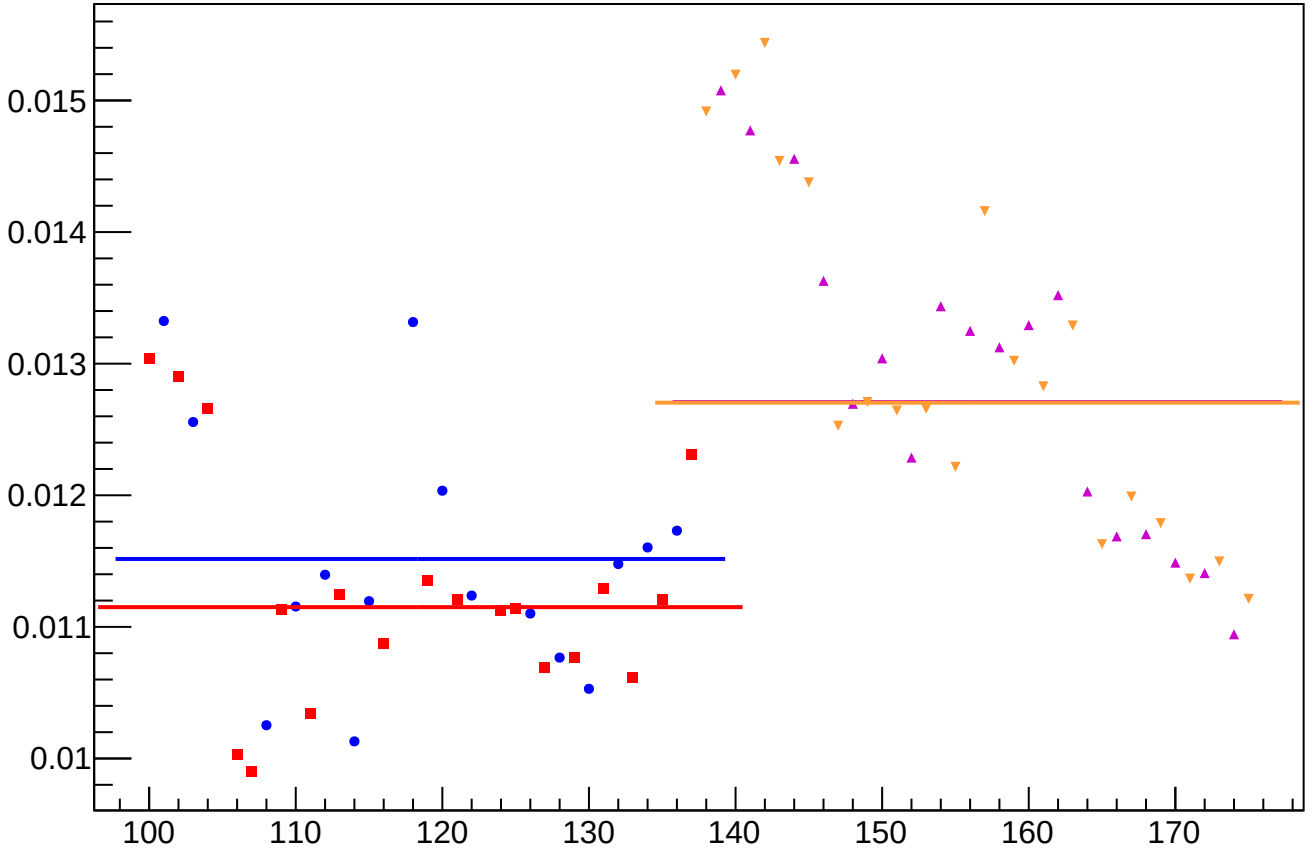
Left In: -0.276+/-0.000 χ^2/NDF:6927064385.9/17

+ sign -0.305+/-0.000 χ^2/NDF: 10592840588.4/35

All: -0.303+/-0.000 χ^2/NDF: 20280536193.2/

- sign -0.302+/-0.000 χ^2/NDF: 9687276486.2/36

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:257255.4/19

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

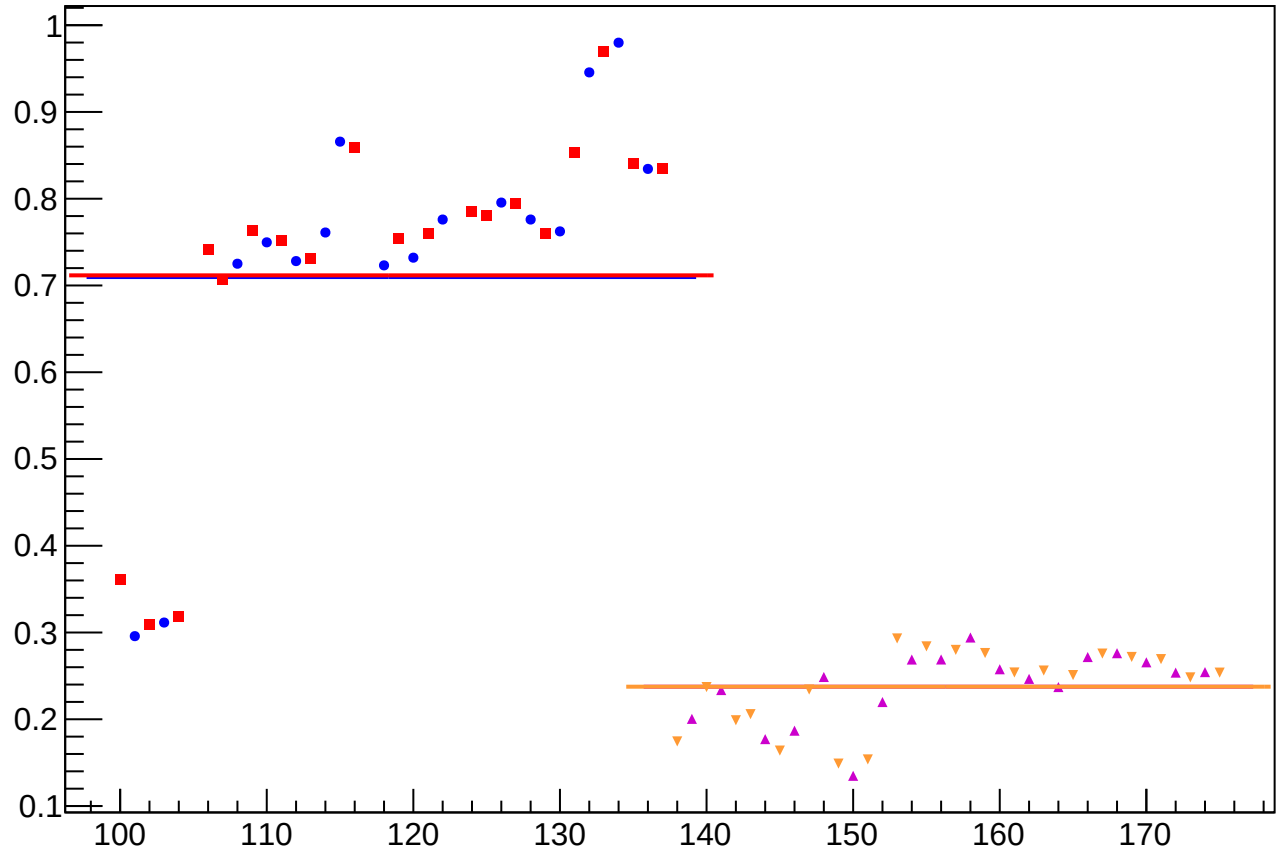
Left In: 0.013+/-0.000 χ^2/NDF:233131.3/17

+ sign 0.012+/-0.000 χ^2/NDF: 435514.5/35

All: 0.012+/-0.000 χ^2/NDF: 914010.1/72

- sign 0.012+/-0.000 χ^2/NDF: 473070.8/36

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.238+/-0.000 χ^2/NDF:6807965960.3/19

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

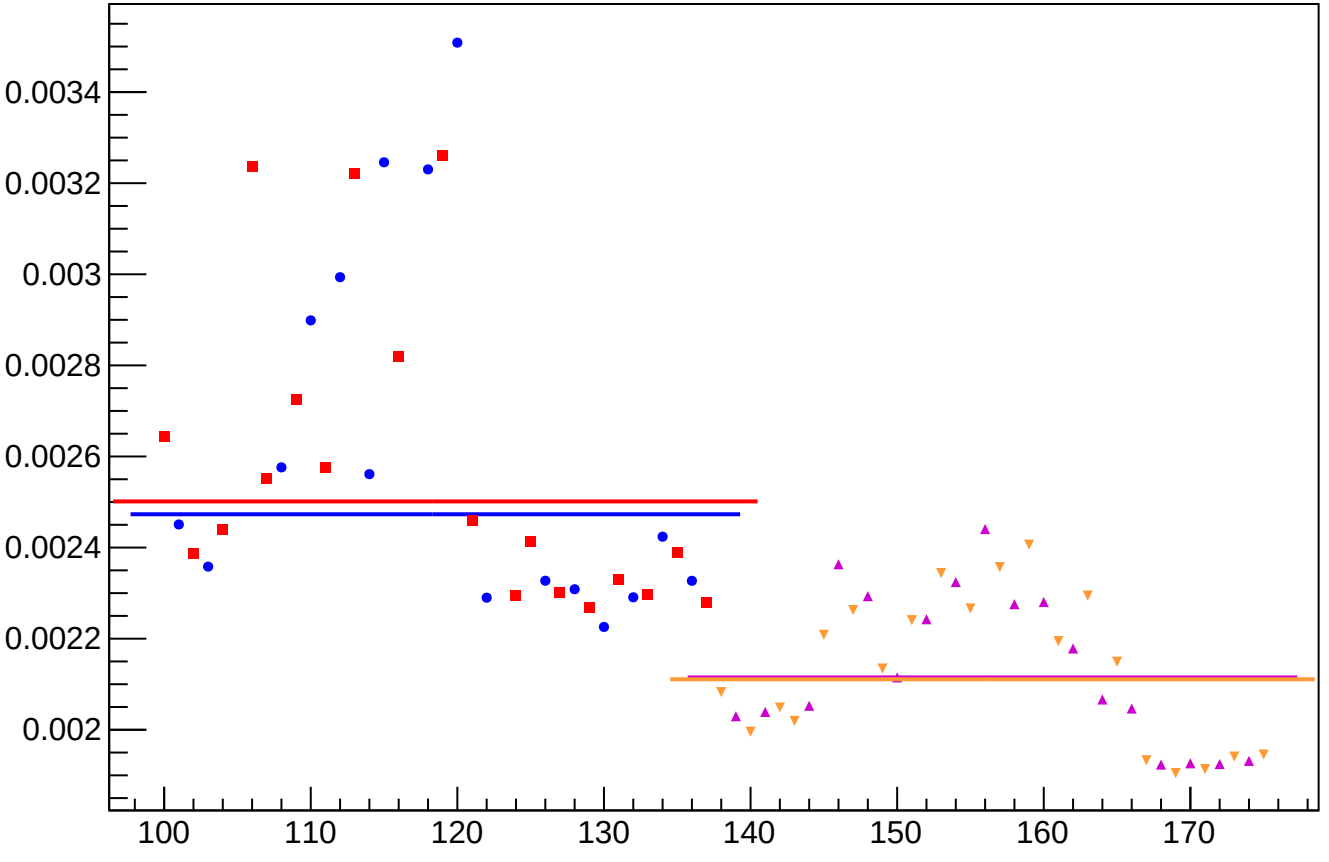
Left In: 0.237+/-0.000 χ^2/NDF:5353167734.9/17

+ sign 0.351+/-0.000 χ^2/NDF: 244306024138.5/35

All: 0.355+/-0.000 χ^2/NDF: 482161516541.2

- sign 0.359+/-0.000 χ^2/NDF: 237740606753.3/36

yield_bpm0l07Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:180631.8/19

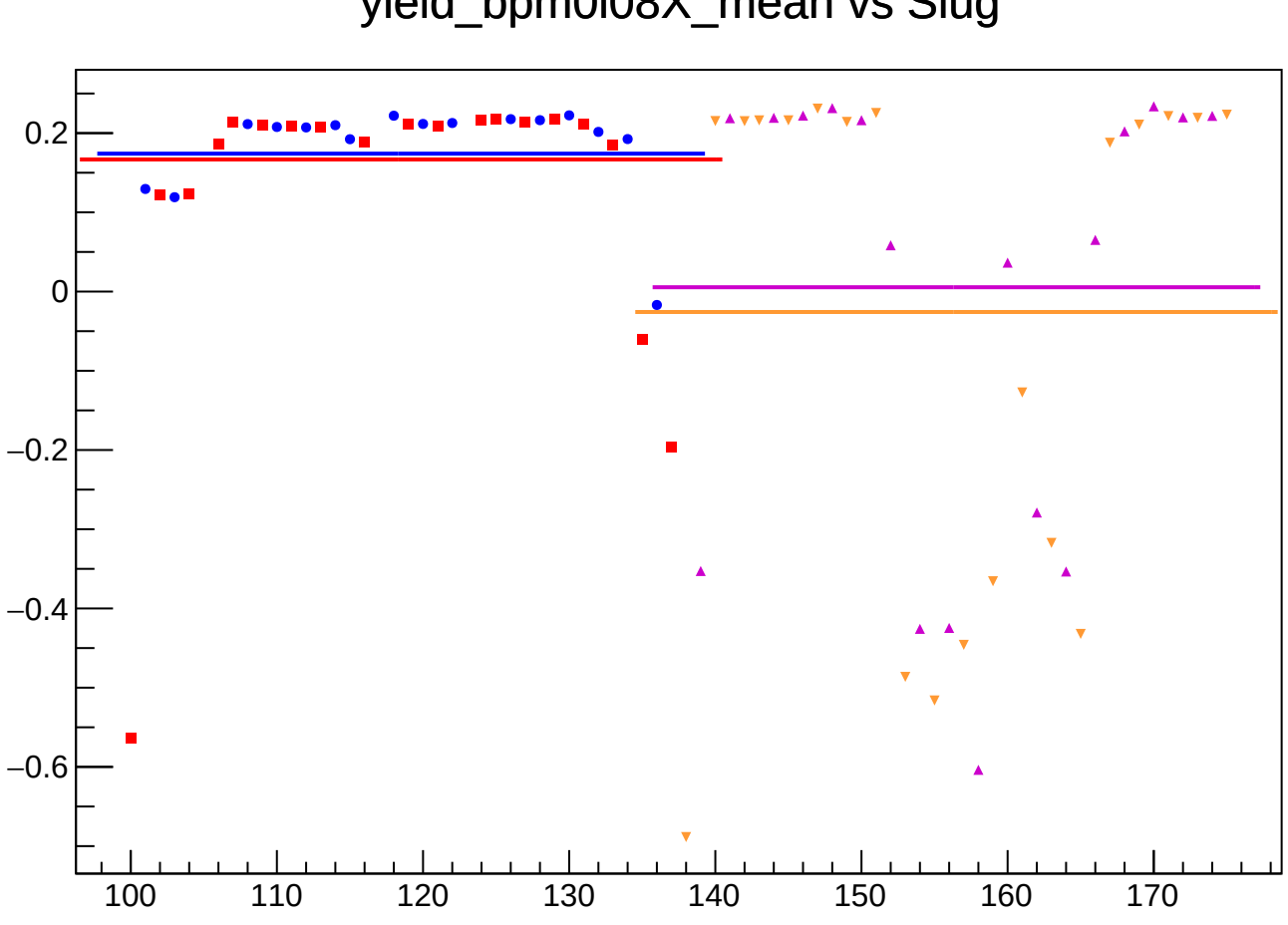
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:169480.6/17

+ sign 0.002+/-0.000 χ^2/NDF: 610696.7/35

All: 0.002+/-0.000 χ^2/NDF: 1208661.6/72

- sign 0.002+/-0.000 χ^2/NDF: 596900.7/36



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.026+/-0.000 χ^2/NDF:11510365127.3/19

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

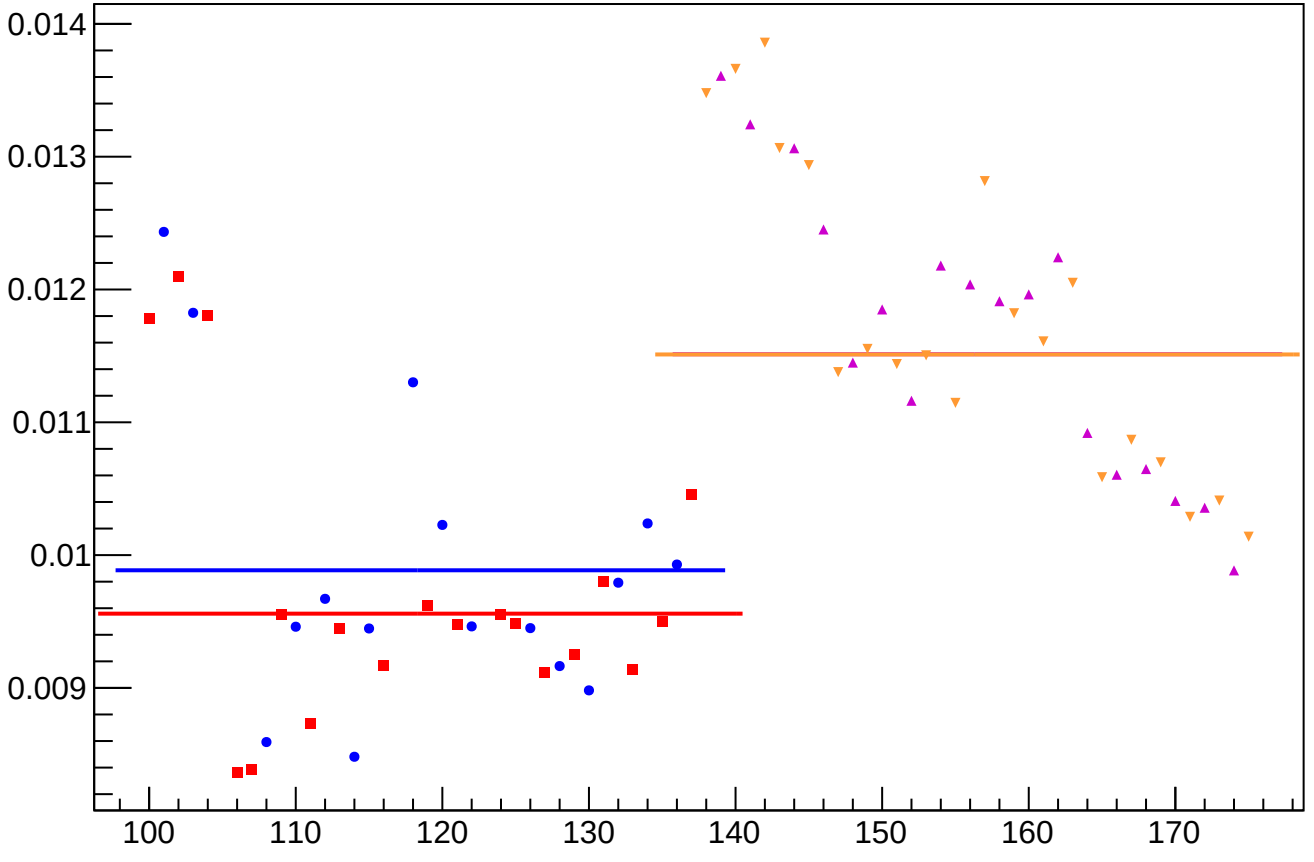
Left In: 0.005+/-0.000 χ^2/NDF:8585216978.2/17

+ sign 0.051+/-0.000 χ^2/NDF: 13639847697.5/35

All: 0.063+/-0.000 χ^2/NDF: 24344608107.4/7

- sign 0.074+/-0.000 χ^2/NDF: 10654456171.0/36

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.012+/-0.000 χ^2/NDF:245716.7/19

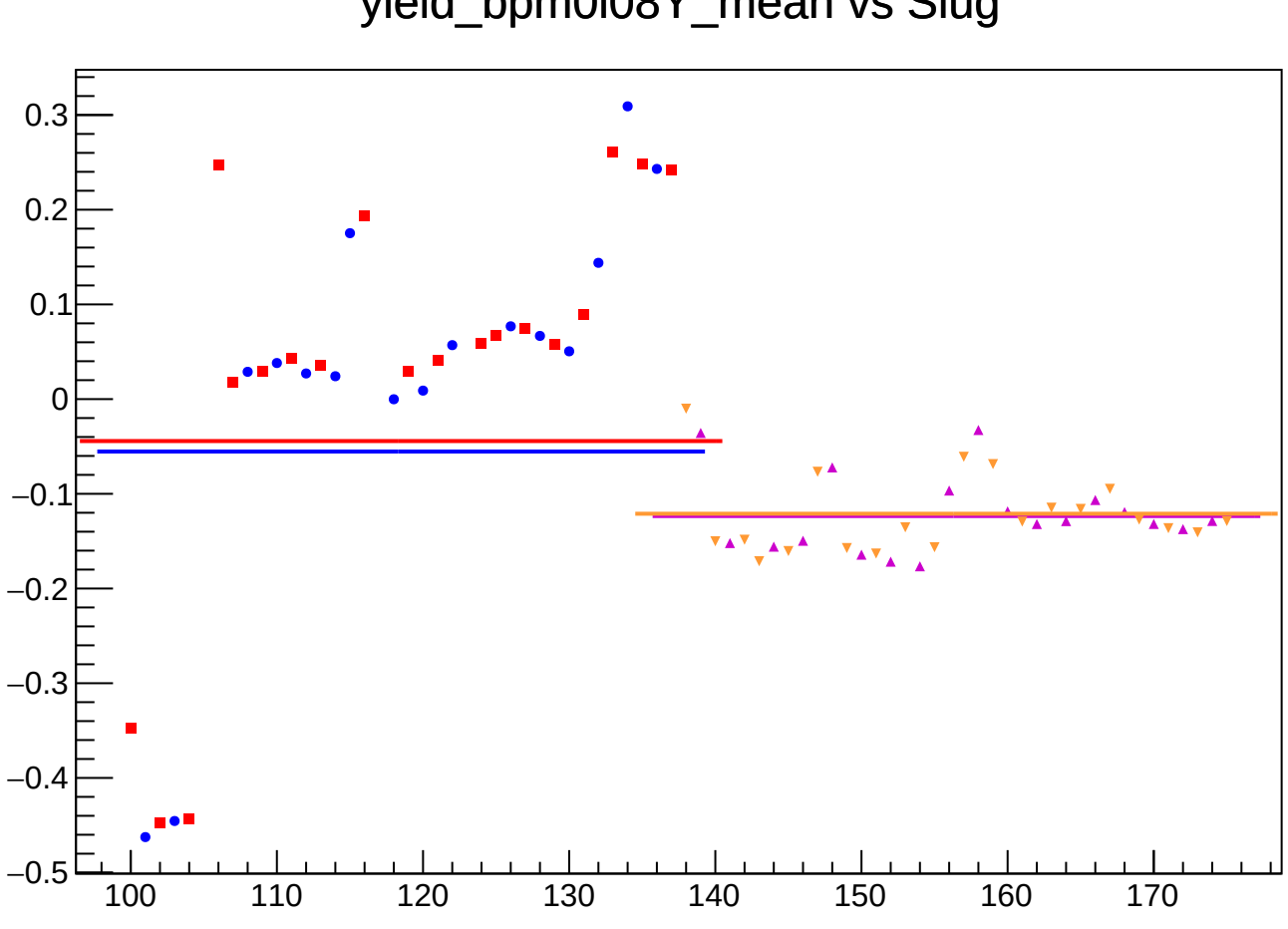
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

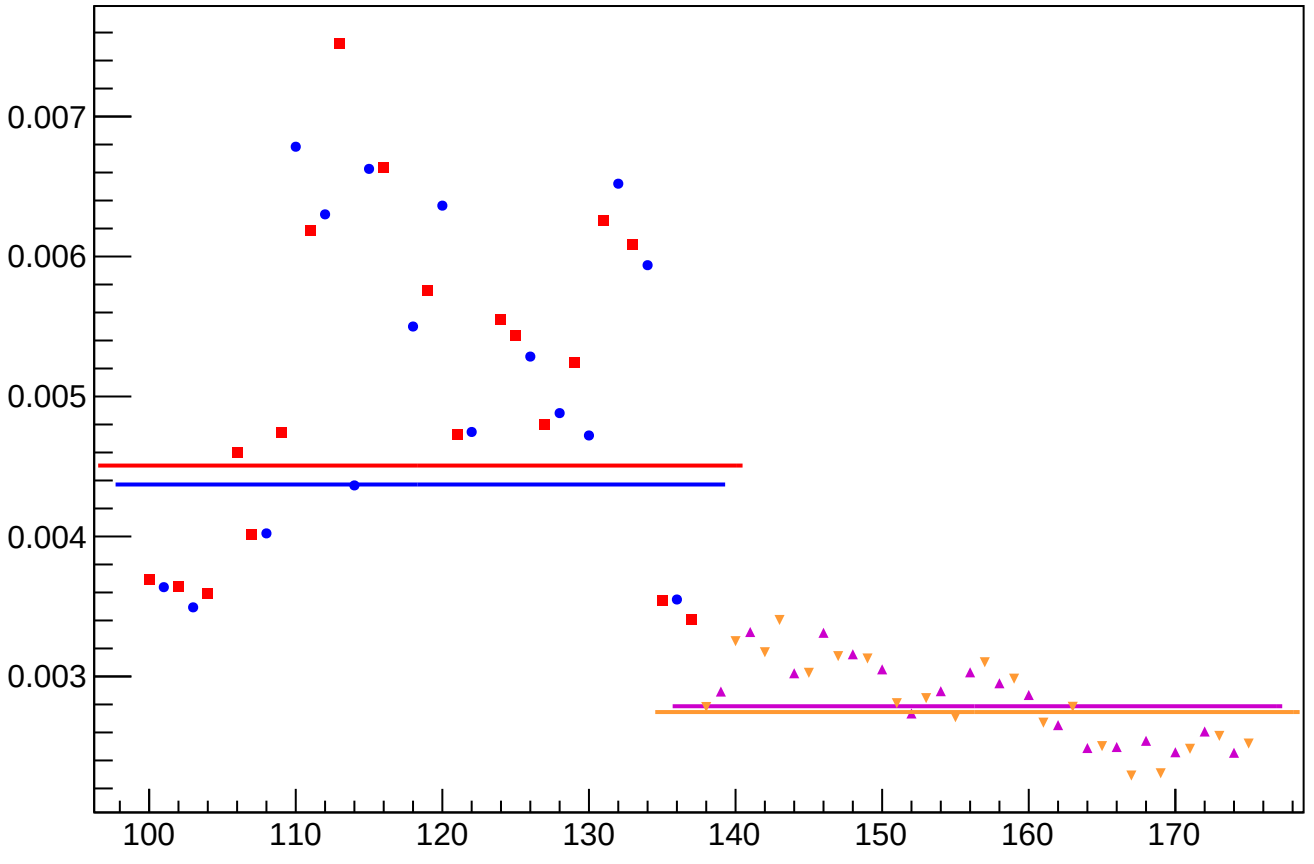
Left In: 0.012+/-0.000 χ^2/NDF:225429.5/17

+ sign 0.011+/-0.000 χ^2/NDF: 622794.0/35

All: 0.011+/-0.000 χ^2/NDF: 1337173.7/72

- sign 0.011+/-0.000 χ^2/NDF: 706390.1/36


yield_bpm0l08Y_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: -0.055+/-0.000 χ²/NDF: 24081939190.6/15
Left Out: -0.121+/-0.000 χ²/NDF:2908989530.6/19
Right Out: -0.044+/-0.000 χ²/NDF: 22136167141.7/18
Left In: -0.123+/-0.000 χ²/NDF:2801979478.4/17
+ sign -0.112+/-0.000 χ²/NDF: 28178509371.2/35
All: -0.112+/-0.000 χ²/NDF: 54797542505.4/
- sign -0.112+/-0.000 χ²/NDF: 26618989102.6/36



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:372328.1/19

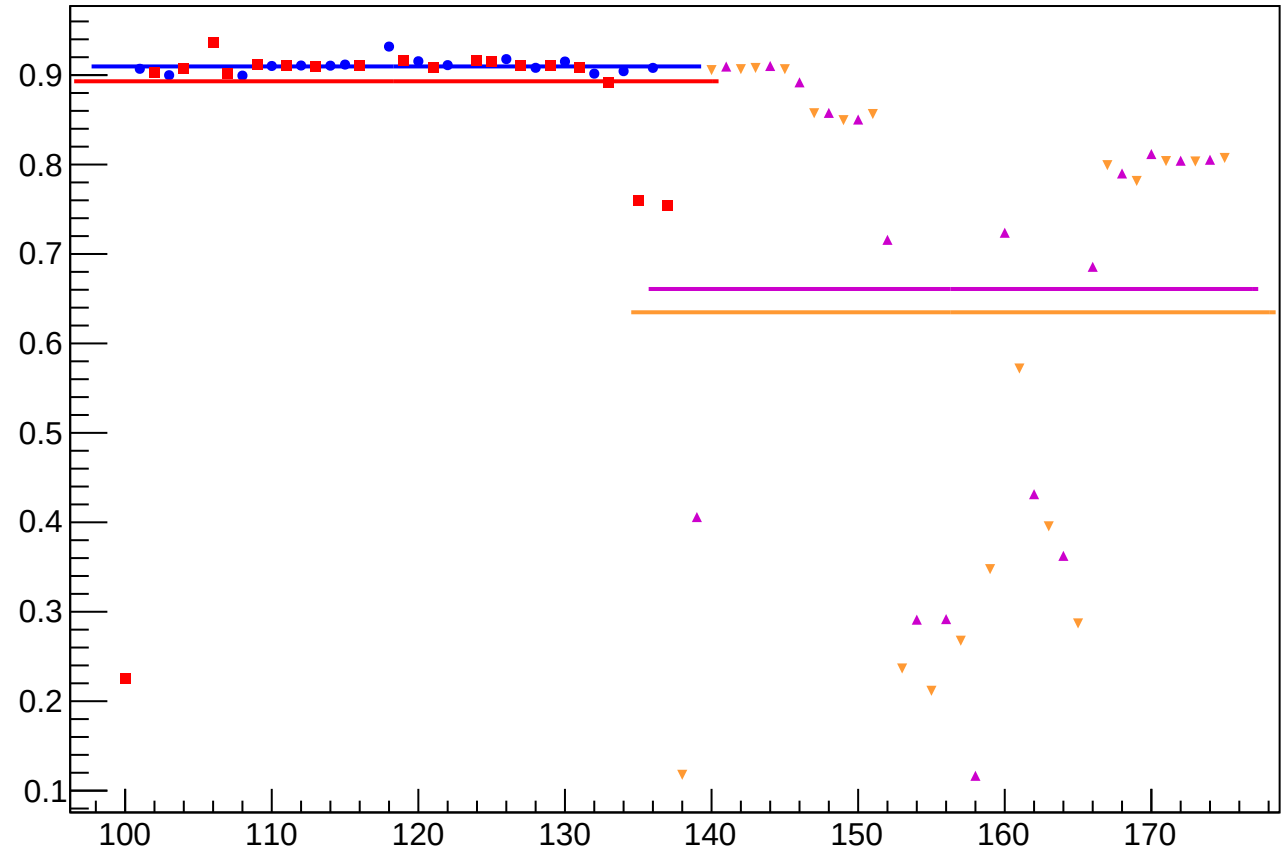
Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:265409.4/17

\+ sign 0.003+/-0.000 χ^2/NDF: 2486848.0/35

All: 0.003+/-0.000 χ^2/NDF: 5052907.4/72

\- sign 0.003+/-0.000 χ^2/NDF: 2554774.9/36



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.635+/-0.000 χ^2/NDF:8693389019.7/19

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

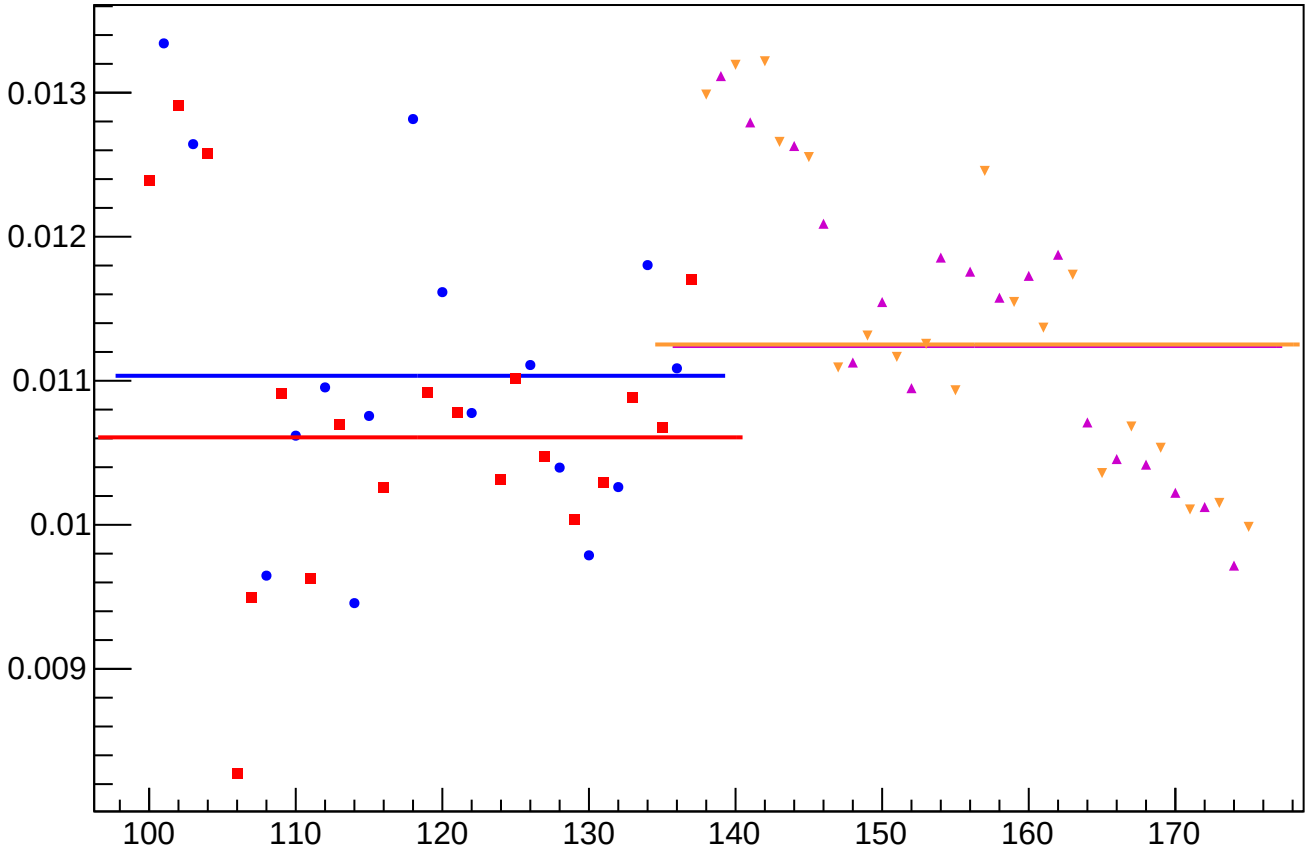
Left In: 0.661+/-0.000 χ^2/NDF:6646935047.0/17

+ sign 0.723+/-0.000 χ^2/NDF: 11585648566.2/35

All: 0.734+/-0.000 χ^2/NDF: 20798987894.8/7

- sign 0.745+/-0.000 χ^2/NDF: 9170340588.2/36

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:217497.2/19

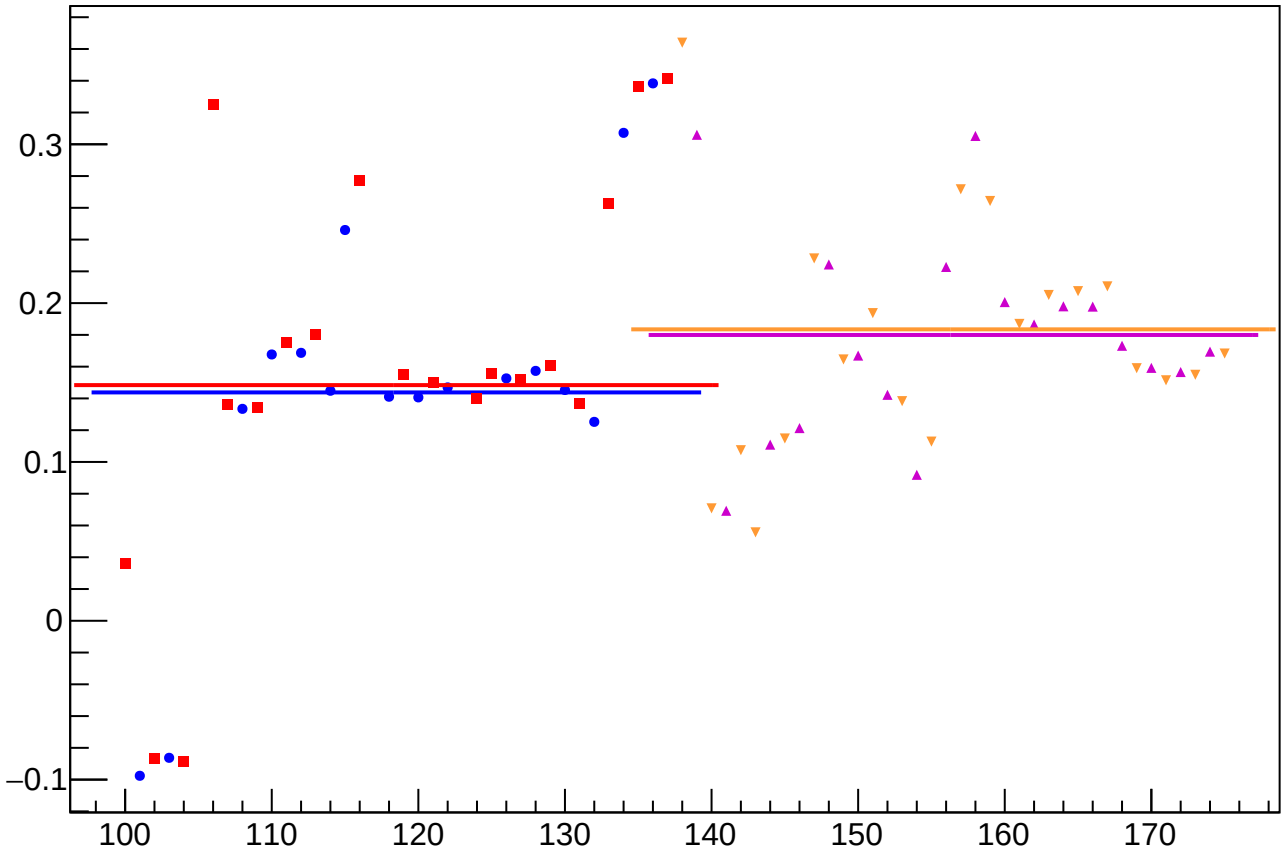
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:200936.2/17

+ sign 0.011+/-0.000 χ^2/NDF: 351462.2/35

All: 0.011+/-0.000 χ^2/NDF: 734243.4/72

- sign 0.011+/-0.000 χ^2/NDF: 377611.8/36



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.183+/-0.000 χ^2/NDF:6338088647.0/19

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

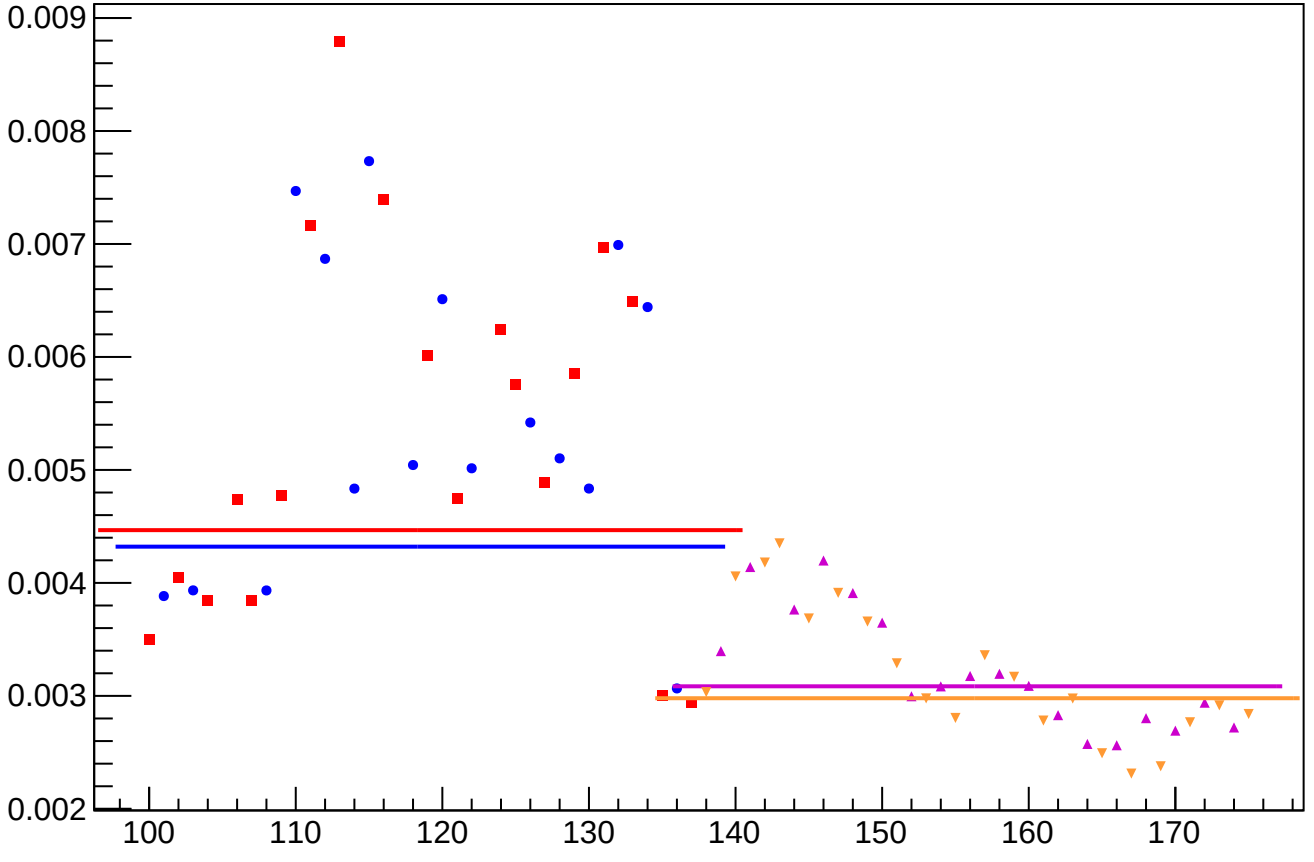
Left In: 0.180+/-0.000 χ^2/NDF:4565554502.4/17

+ sign 0.177+/-0.000 χ^2/NDF: 14612035971.8/35

All: 0.176+/-0.000 χ^2/NDF: 26557869938.8/7

- sign 0.174+/-0.000 χ^2/NDF: 11939242359.6/36

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:843821.1/19

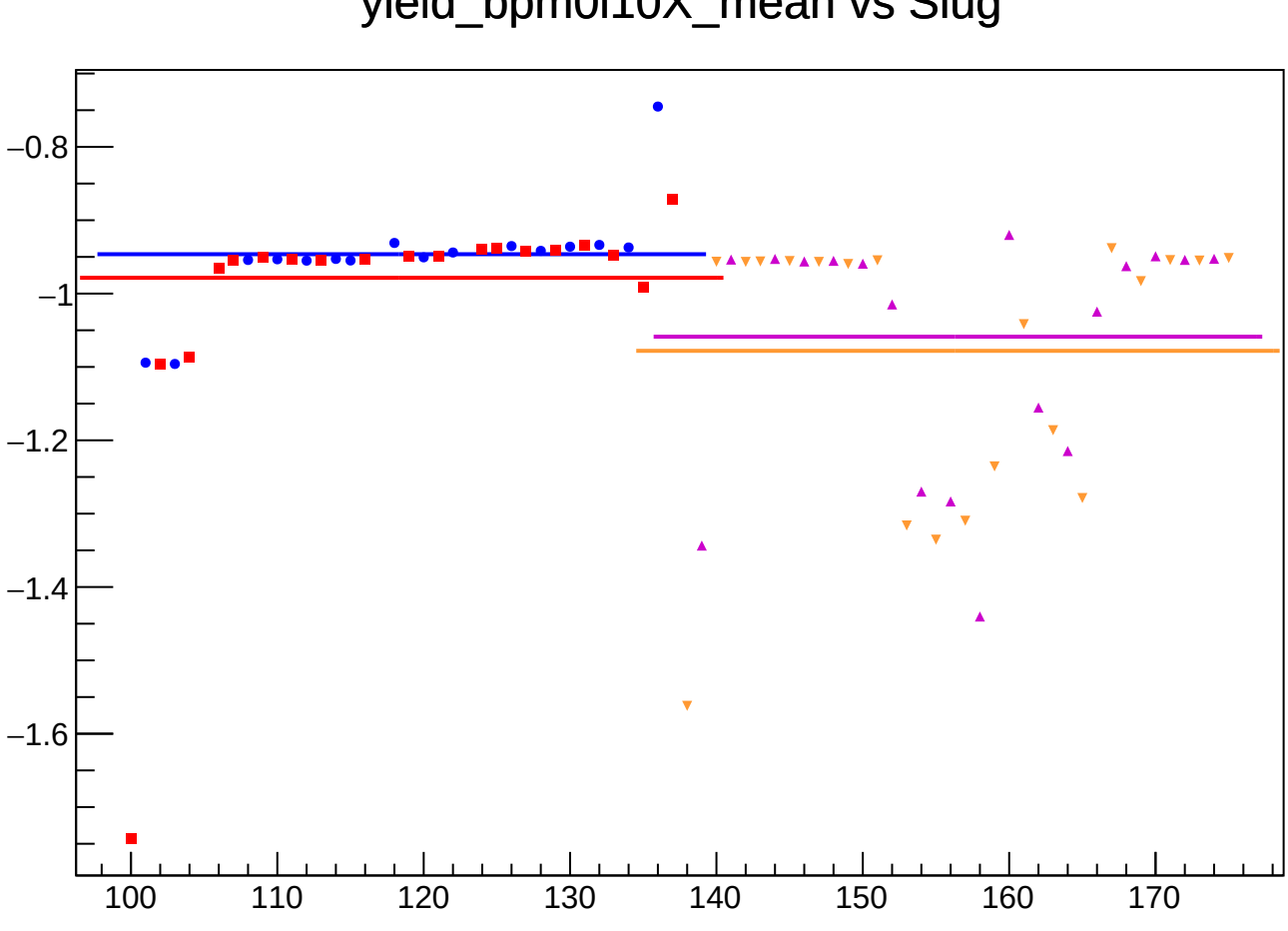
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:568333.1/17

+ sign 0.003+/-0.000 χ^2/NDF: 2650823.4/35

All: 0.003+/-0.000 χ^2/NDF: 5276372.0/72

- sign 0.003+/-0.000 χ^2/NDF: 2594063.1/36



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.078+/-0.000 χ^2/NDF:4567539440.6/19

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

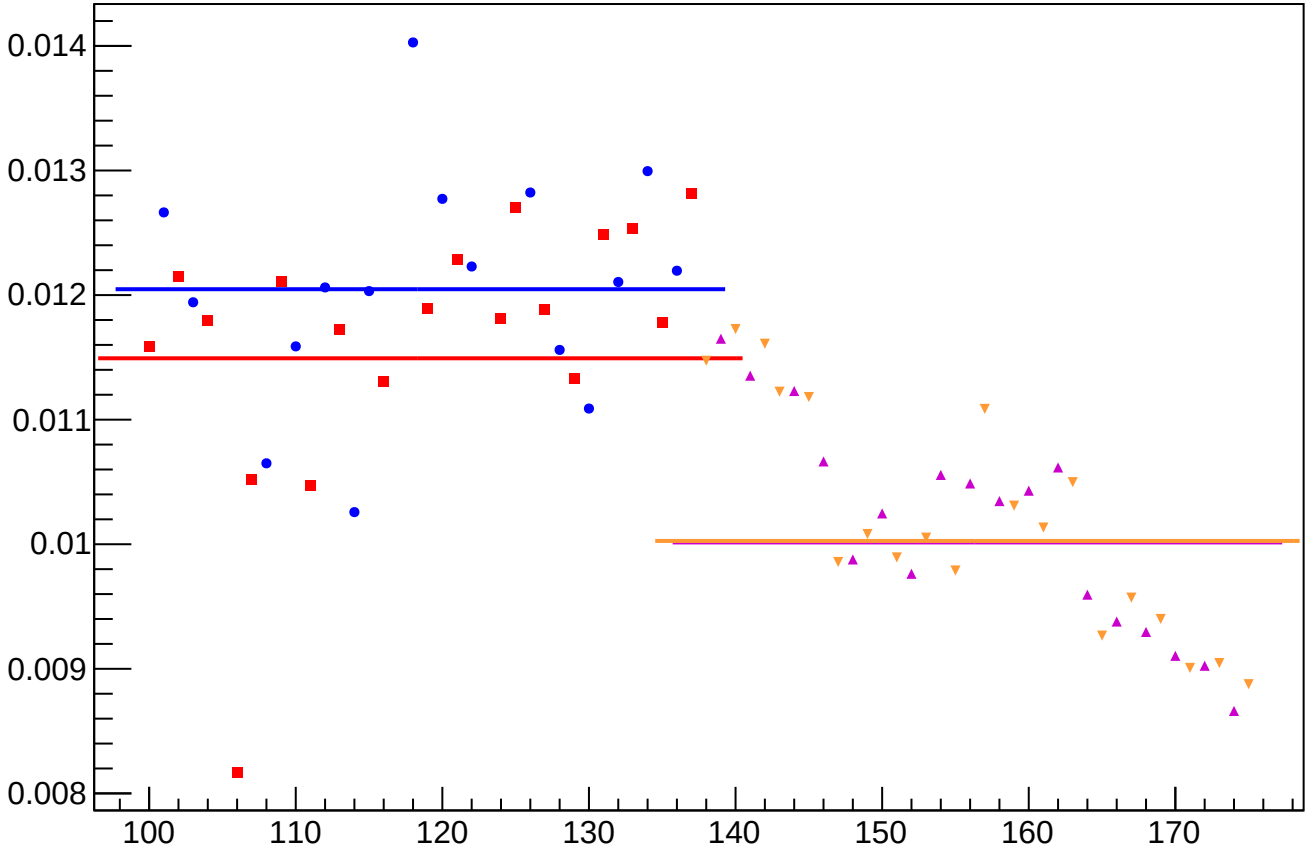
Left In: -1.059+/-0.000 χ^2/NDF:3564204918.4/17

+ sign -1.046+/-0.000 χ^2/NDF: 5596740636.6/35

All: -1.042+/-0.000 χ^2/NDF: 9884523616.8/7

- sign -1.037+/-0.000 χ^2/NDF: 4277987545.3/36

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:210176.2/19

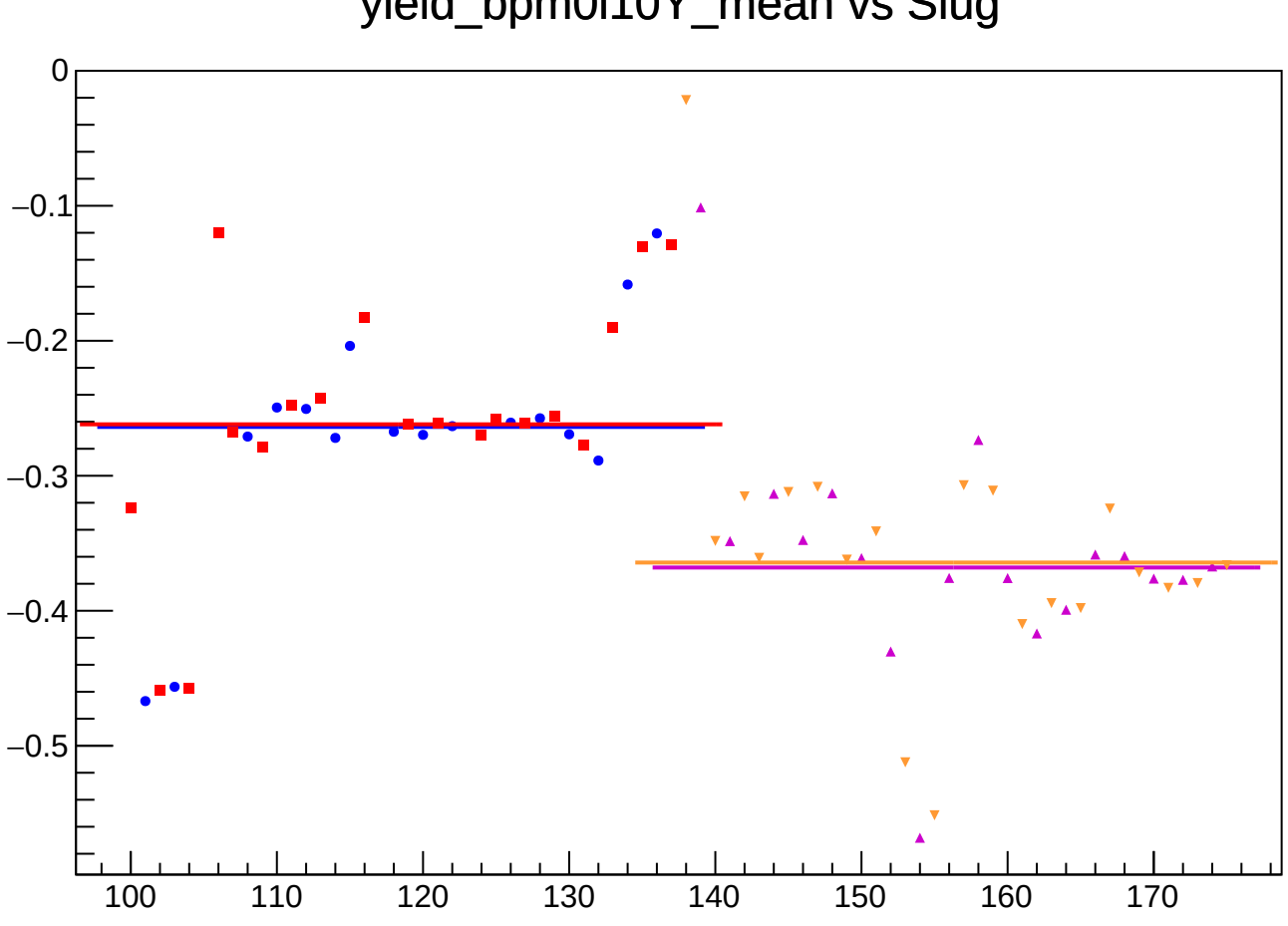
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:194583.2/17

+ sign 0.011+/-0.000 χ^2/NDF: 566660.6/35

All: 0.010+/-0.000 χ^2/NDF: 1085366.8/72

- sign 0.010+/-0.000 χ^2/NDF: 517224.0/36



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.364+/-0.000 χ^2/NDF:11900028777.7/19

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

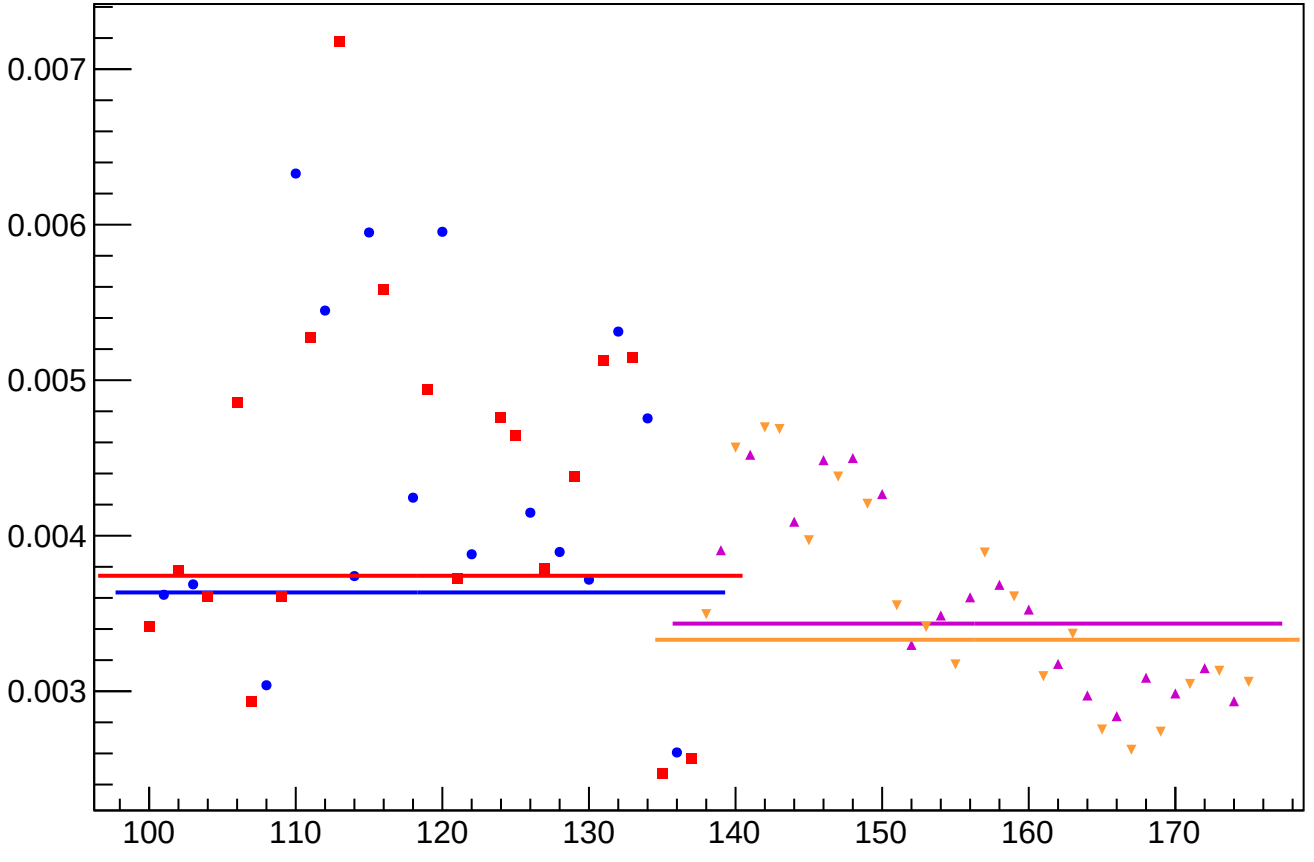
Left In: -0.368+/-0.000 χ^2/NDF:7568212414.7/17

+ sign -0.339+/-0.000 χ^2/NDF: 21296604491.9/35

All: -0.339+/-0.000 χ^2/NDF: 37621226944.5/

- sign -0.339+/-0.000 χ^2/NDF: 16324621108.1/36

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:803171.5/19

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

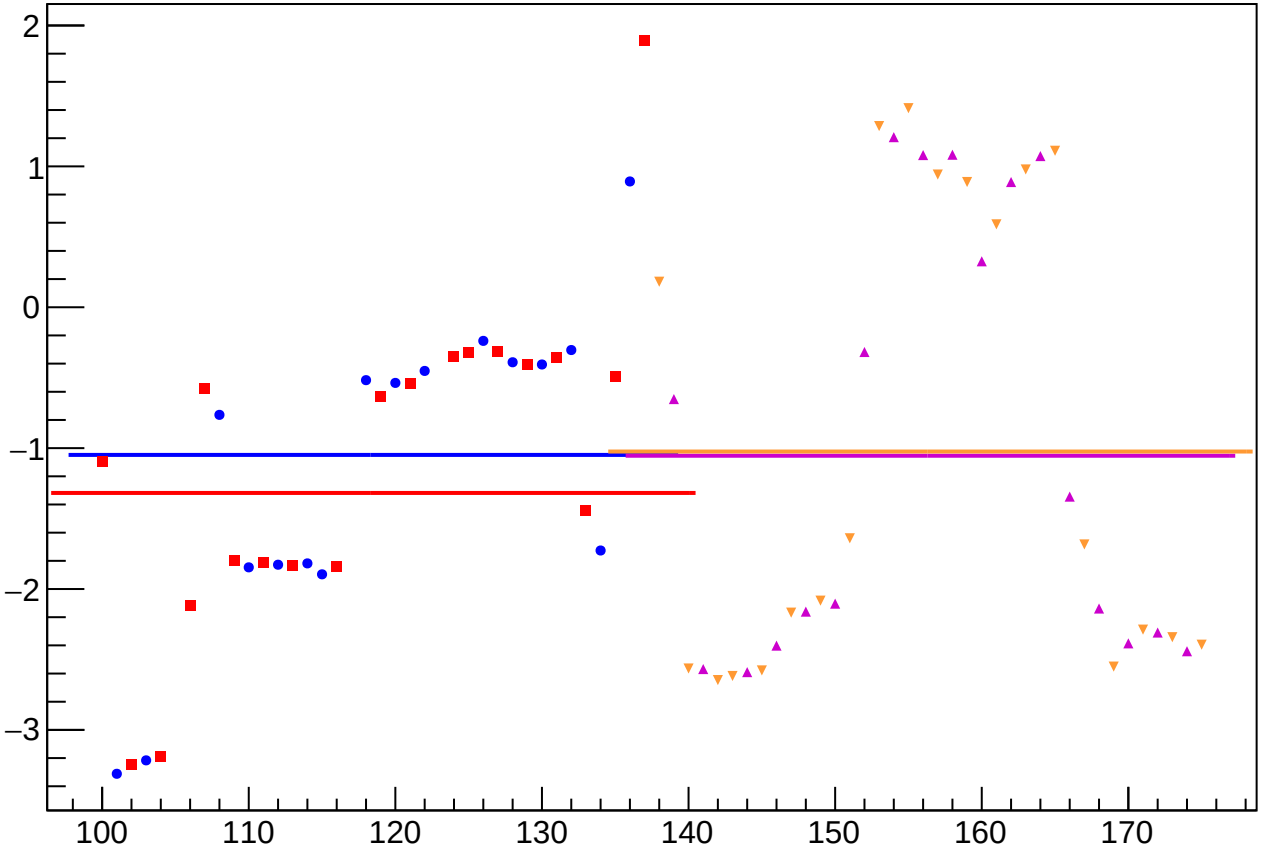
Left In: 0.003+/-0.000 χ^2/NDF:590585.7/17

+ sign 0.003+/-0.000 χ^2/NDF: 1592075.5/35

All: 0.003+/-0.000 χ^2/NDF: 3156143.6/72

- sign 0.004+/-0.000 χ^2/NDF: 1543757.3/36

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.024+/-0.000 χ^2/NDF:7133694607.3/19

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

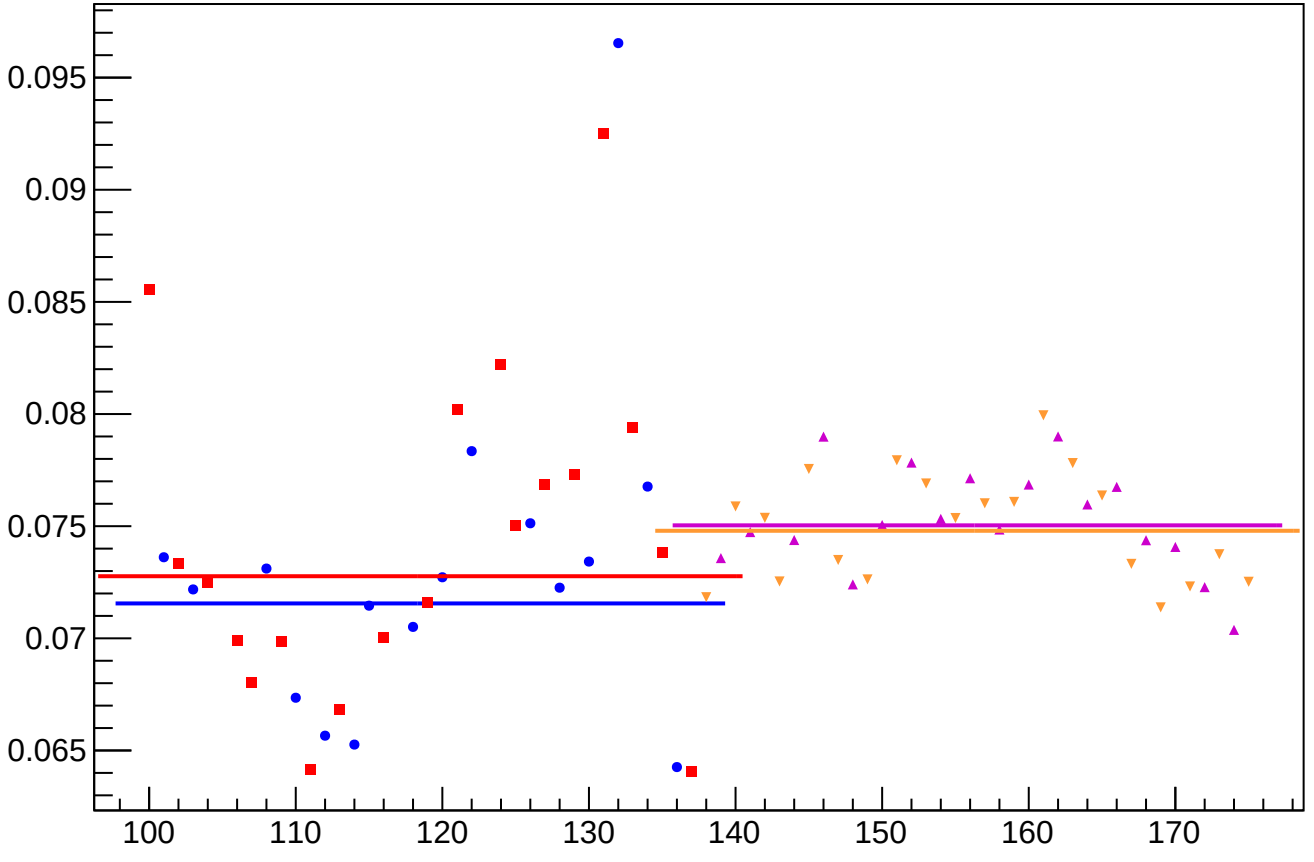
Left In: -1.054+/-0.000 χ^2/NDF:5798502569.7/17

+ sign -1.032+/-0.000 χ^2/NDF: 9481244803.8/35

All: -1.087+/-0.000 χ^2/NDF: 17216398285.4/

- sign -1.145+/-0.000 χ^2/NDF: 7709076439.8/36

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.075+/-0.000 χ^2/NDF:31439.6/19

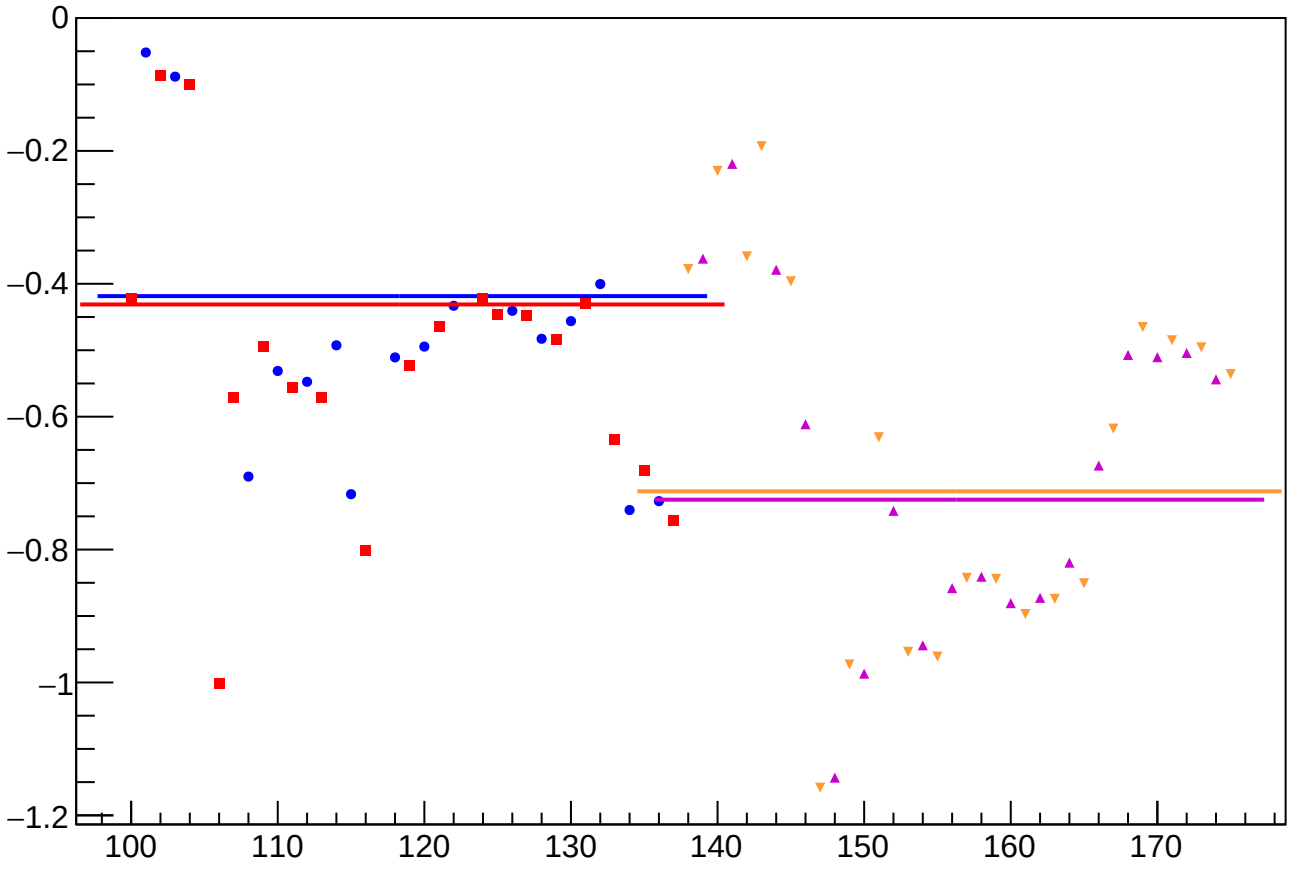
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:26374.1/17

+ sign 0.074+/-0.000 χ^2/NDF: 151951.5/35

All: 0.074+/-0.000 χ^2/NDF: 285535.6/72

- sign 0.074+/-0.000 χ^2/NDF: 132473.8/36



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.712+/-0.000 χ^2/NDF:19536591119.2/19

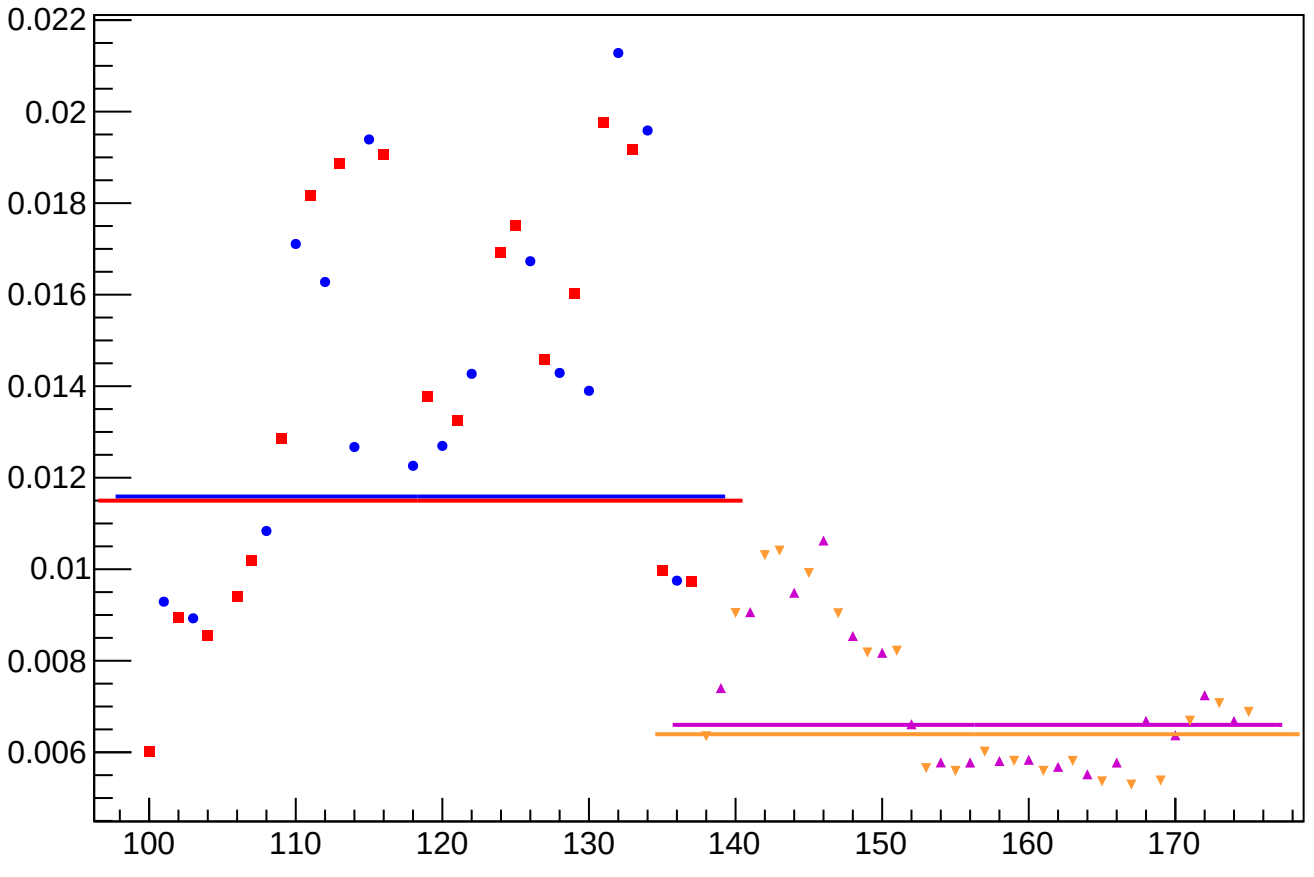
Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.725+/-0.000 χ^2/NDF:14569259373.1/17

+ sign -0.679+/-0.000 χ^2/NDF: 26008622445.4/35

All: -0.683+/-0.000 χ^2/NDF: 47207567382.0/

- sign -0.687+/-0.000 χ^2/NDF: 21186828019.3/36



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1240905.3/19

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

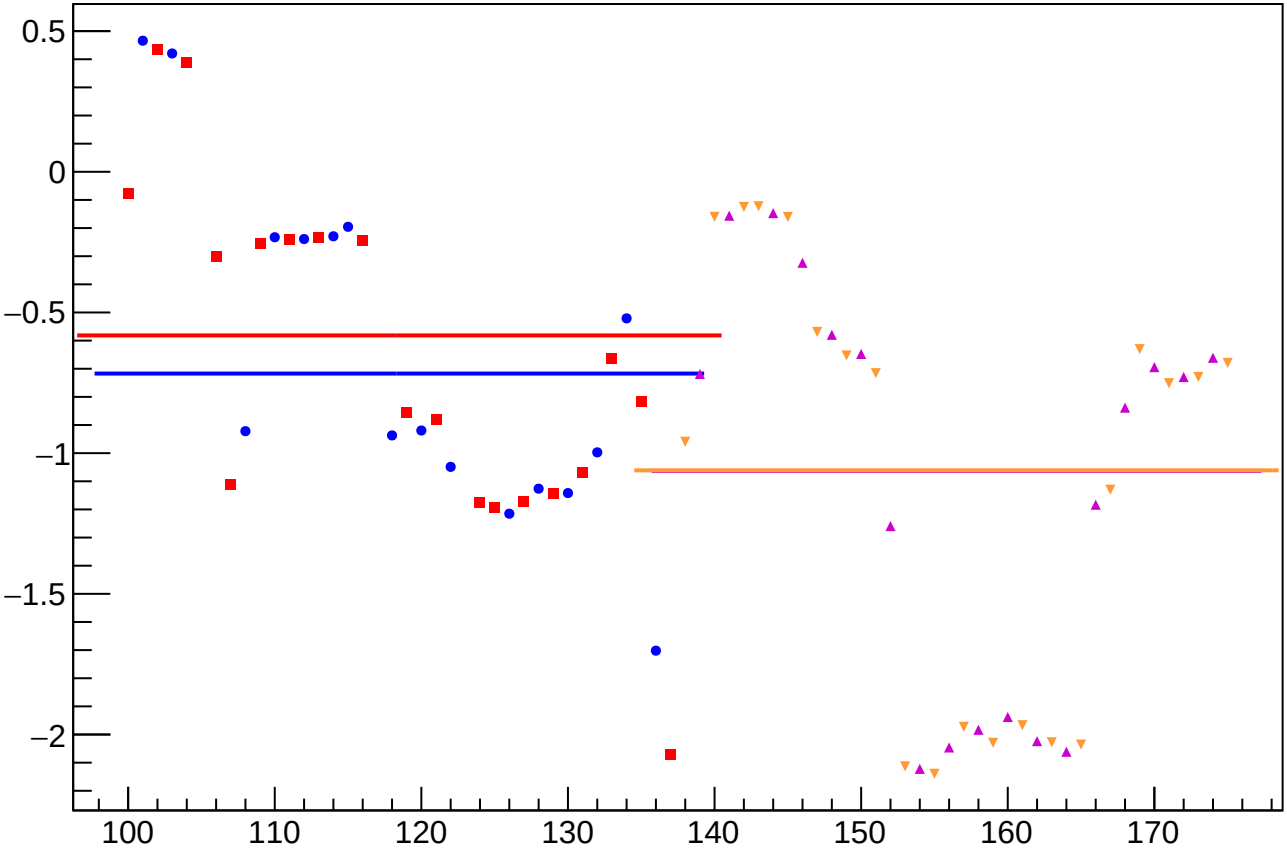
Left In: 0.007+/-0.000 χ^2/NDF:889848.2/17

+ sign 0.007+/-0.000 χ^2/NDF: 4153269.1/35

All: 0.007+/-0.000 χ^2/NDF: 8133420.6/72

- sign 0.007+/-0.000 χ^2/NDF: 3957237.2/36

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.061+/-0.000 χ^2/NDF:1147680962.6/19

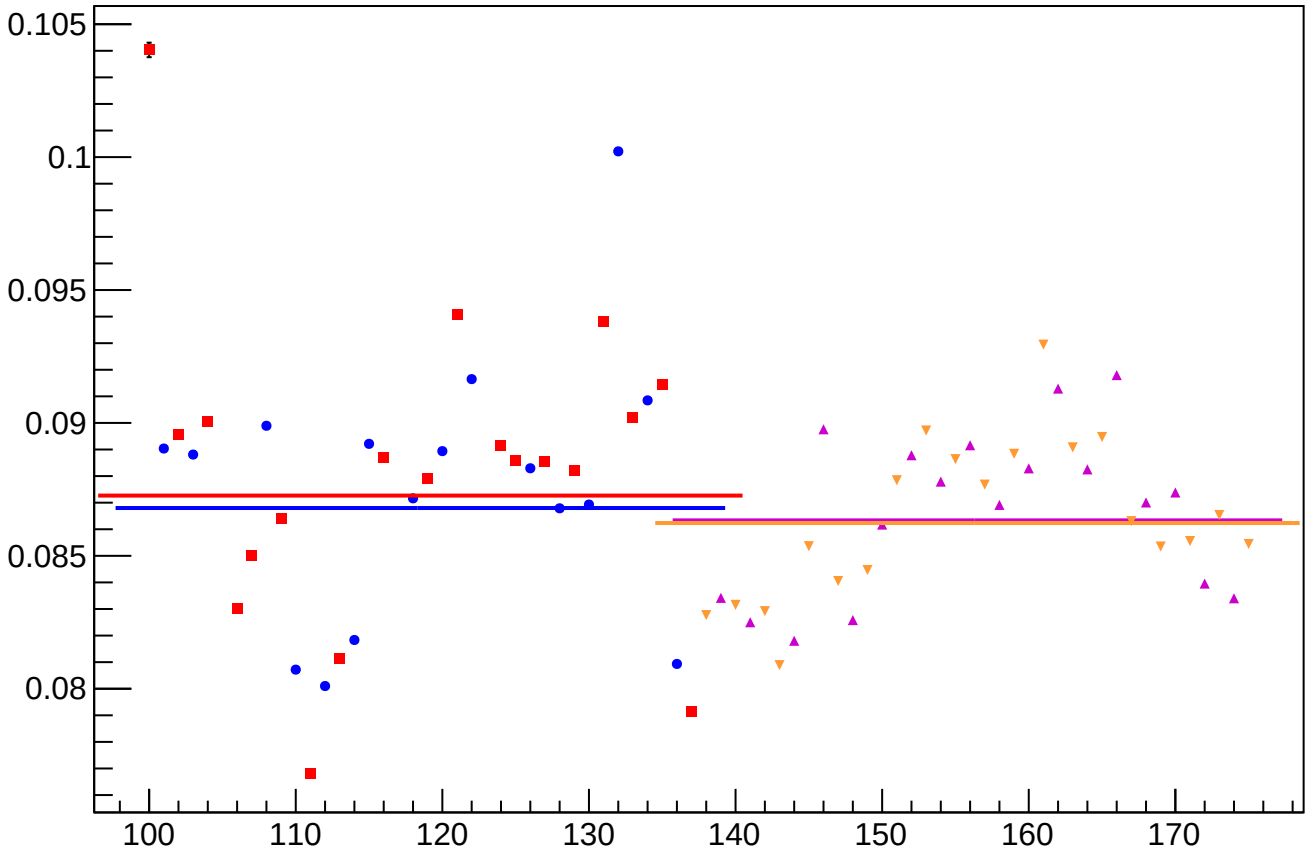
Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.063+/-0.000 χ^2/NDF:971355531.2/17

+ sign -0.954+/-0.000 χ^2/NDF: 1662828080.7/35

All: -0.930+/-0.000 χ^2/NDF: 3131777042.2/7

- sign -0.904+/-0.000 χ^2/NDF: 1465087367.0/36



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:33854.1/19

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

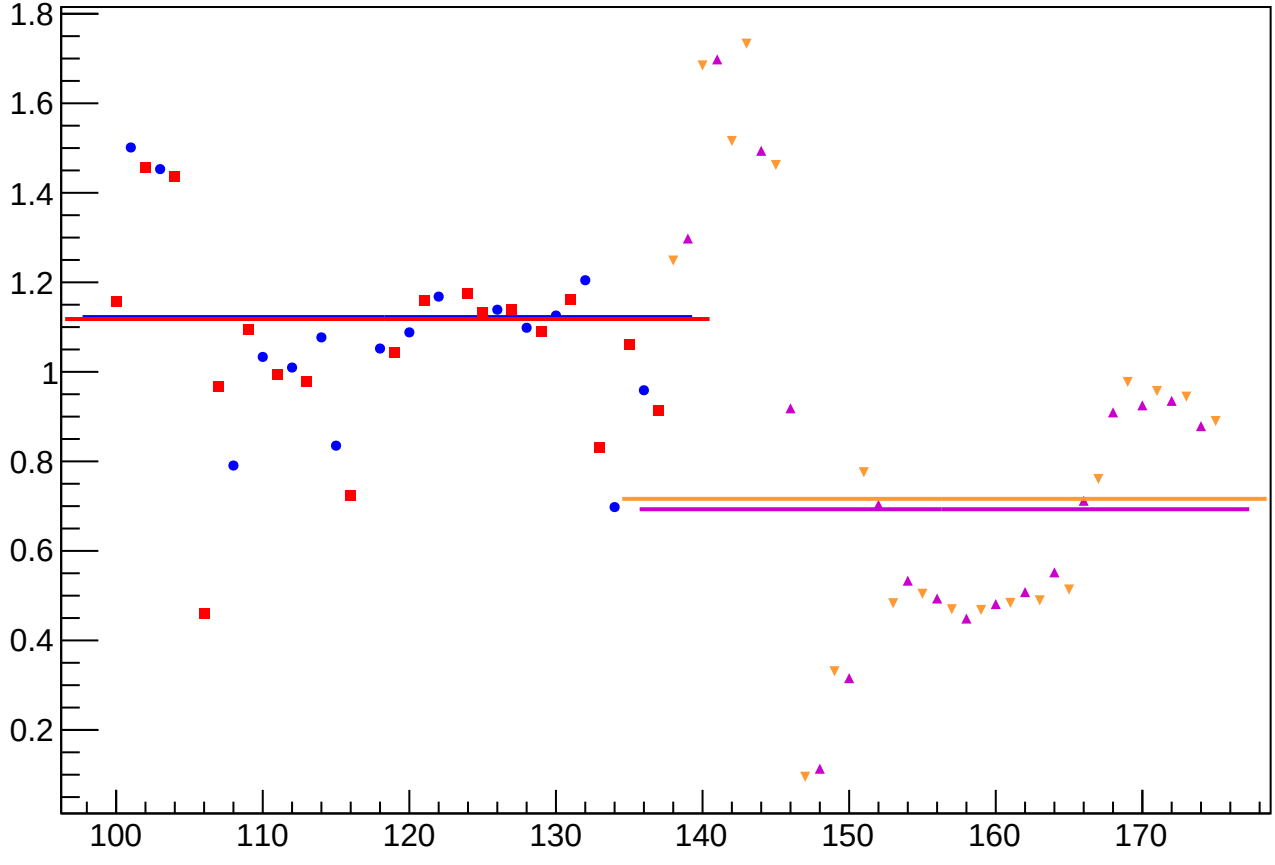
Left In: 0.086+/-0.000 χ^2/NDF:34652.3/17

+ sign 0.086+/-0.000 χ^2/NDF: 77848.0/35

All: 0.087+/-0.000 χ^2/NDF: 159964.5/72

- sign 0.087+/-0.000 χ^2/NDF: 81952.9/36

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.716+/-0.000 χ^2/NDF:31279956276.8/19

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

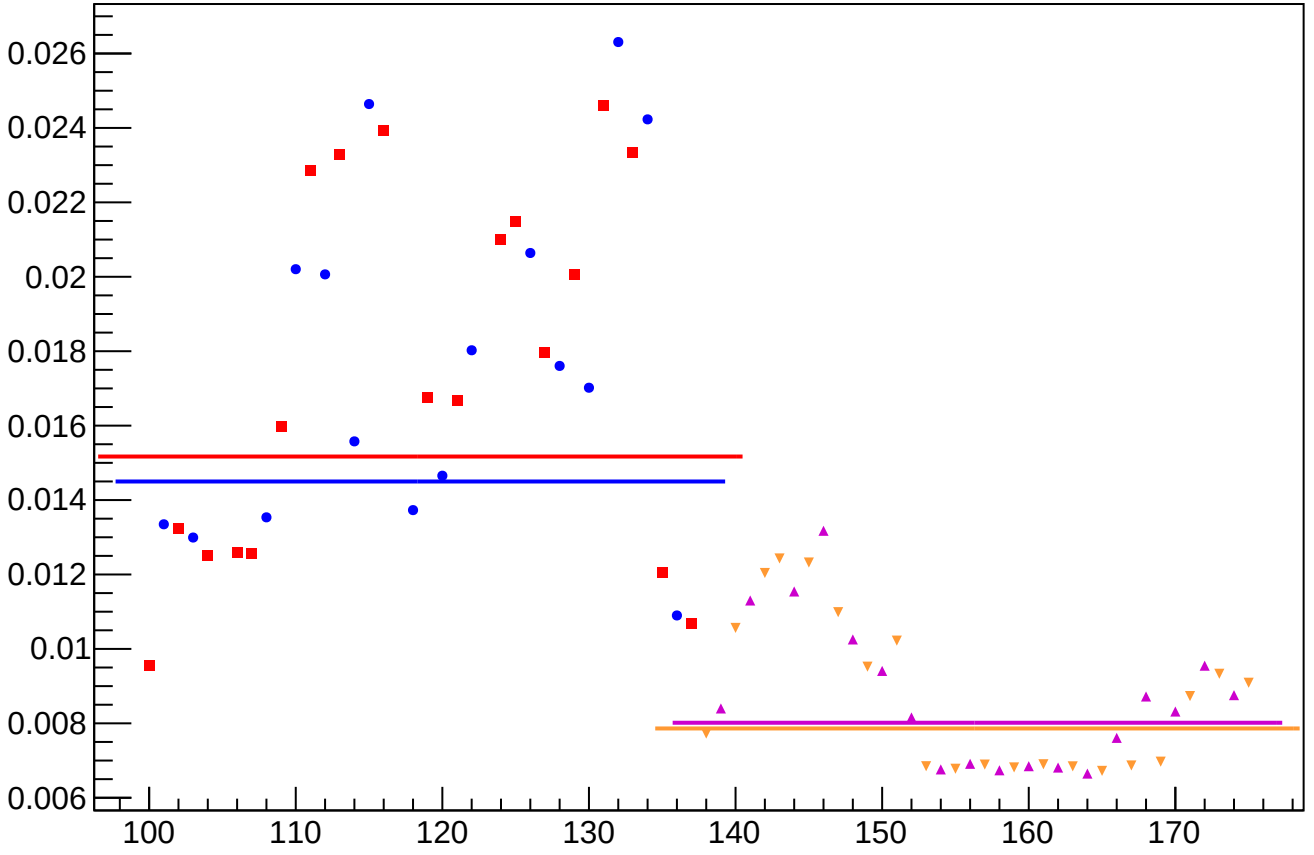
Left In: 0.693+/-0.000 χ^2/NDF:24254355633.6/17

+ sign 0.760+/-0.000 χ^2/NDF: 36914351151.7/35

All: 0.751+/-0.000 χ^2/NDF: 67060623425.5/7

- sign 0.741+/-0.000 χ^2/NDF: 30099623707.6/36

yield_bpm0r05Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1223747.3/19

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

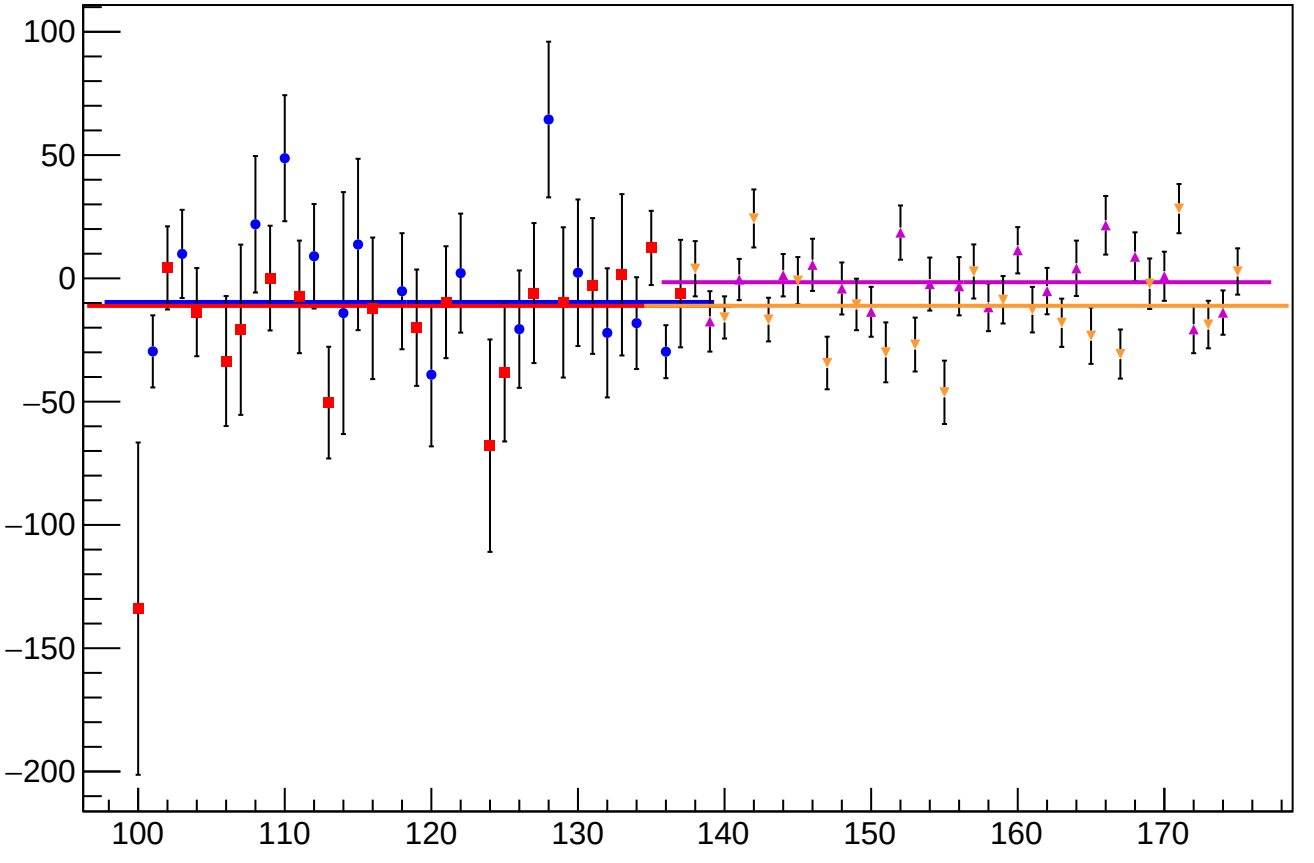
Left In: 0.008+/-0.000 χ^2/NDF:1007718.7/17

+ sign 0.009+/-0.000 χ^2/NDF: 4166713.0/35

All: 0.009+/-0.000 χ^2/NDF: 8476293.5/72

- sign 0.009+/-0.000 χ^2/NDF: 4295111.8/36

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -11.129+/-2.280 χ^2/NDF:55.8/19

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

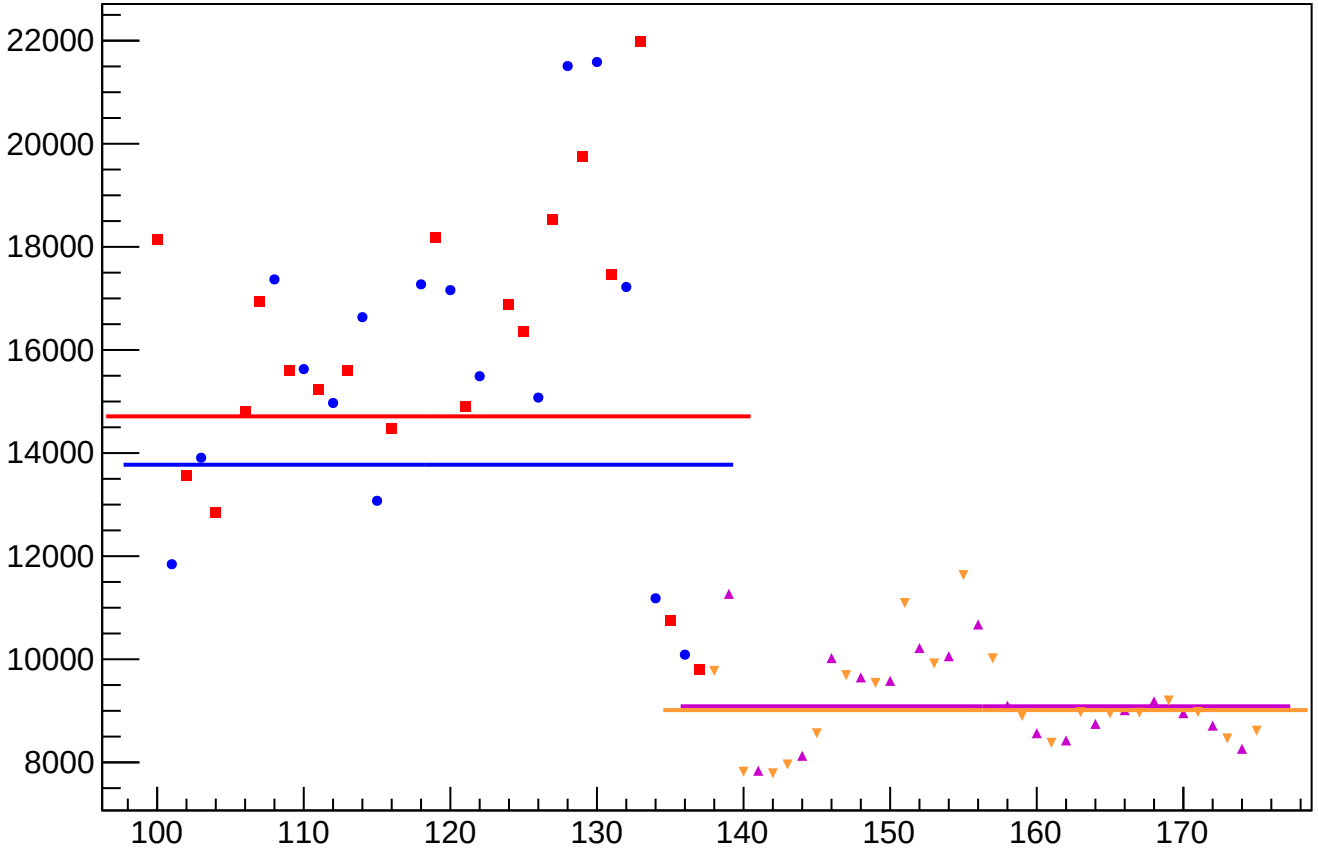
Left In: -1.563+/-2.371 χ^2/NDF:21.2/17

+ sign -10.886+/-2.094 χ^2/NDF: 77.8/35

All: -7.132+/-1.509 χ^2/NDF: 122.1/72

- sign -3.072+/-2.177 χ^2/NDF: 37.6/36

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9013.726+/-1.612 χ^2/NDF:308641.5/19

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

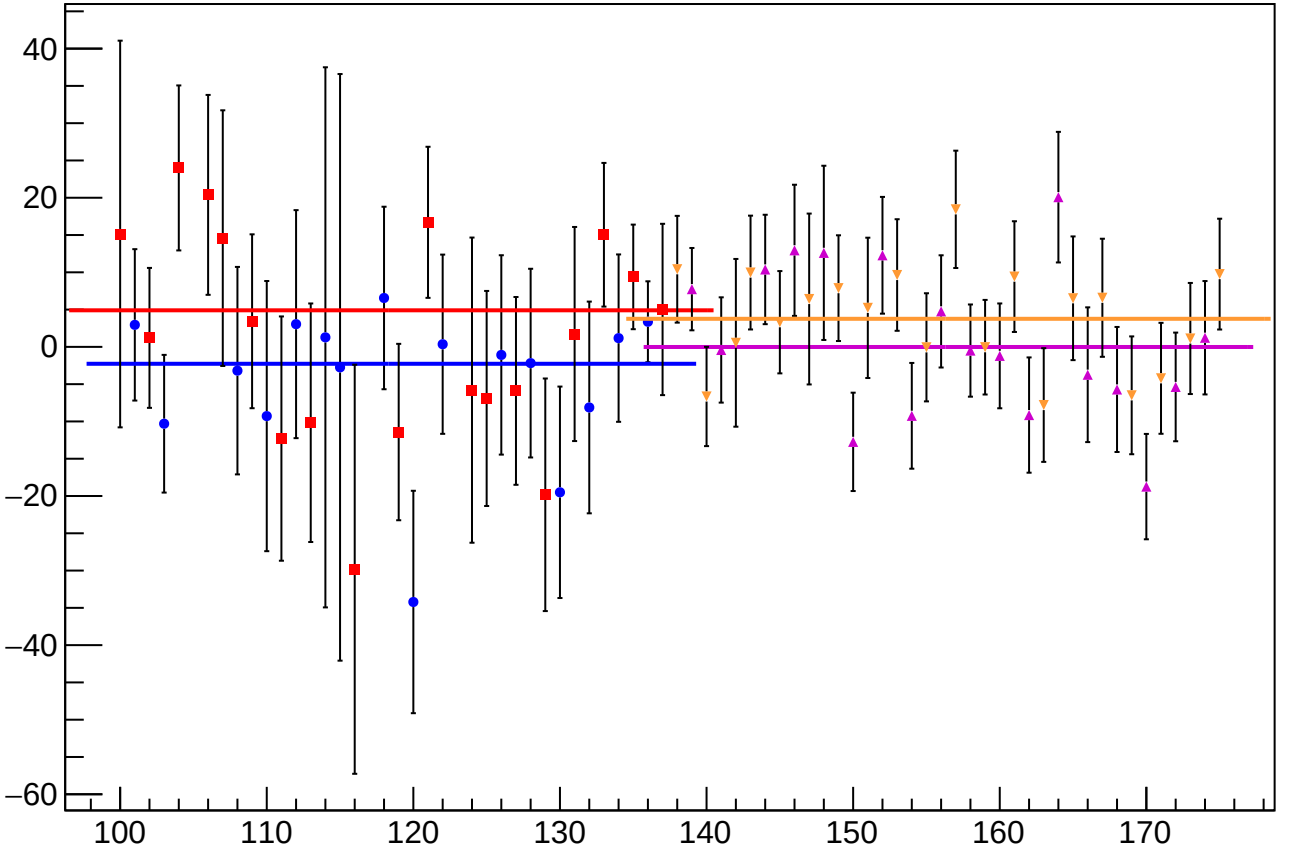
Left In: 9087.872+/-1.677 χ^2/NDF:270839.5/17

+ sign 9759.371+/-1.481 χ^2/NDF: 2421630.7/35

All: 9860.690+/-1.067 χ^2/NDF: 5024668.2/72

- sign 9970.241+/-1.540 χ^2/NDF: 2593292.1/36

diff_bpm4aY_mean vs Slug



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.765+/-1.712 χ^2/NDF:15.9/19

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

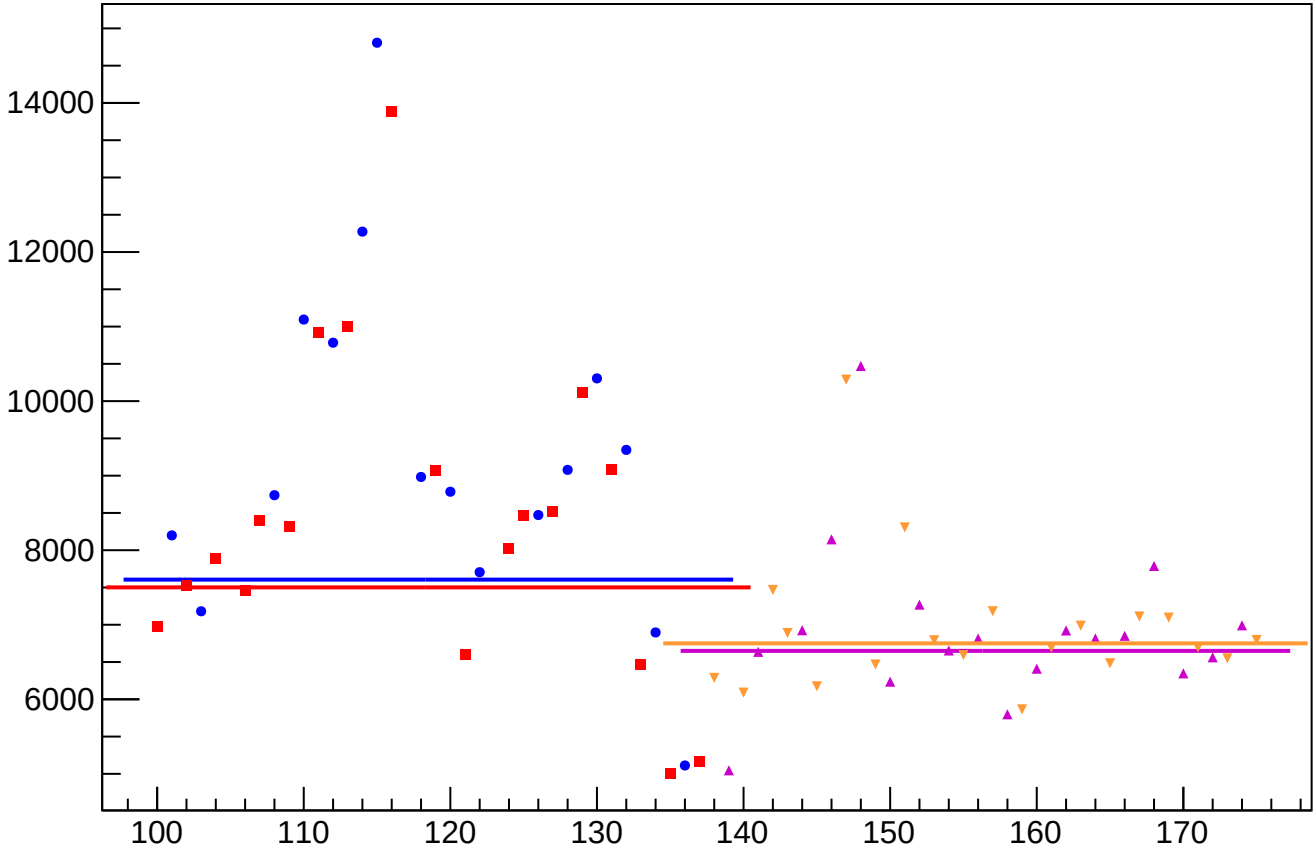
Left In: -0.015+/-1.748 χ^2/NDF:30.5/17

+ sign 2.223+/-1.477 χ^2/NDF: 28.4/35

All: 1.784+/-1.048 χ^2/NDF: 78.9/72

- sign 1.339+/-1.488 χ^2/NDF: 50.3/36

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6750.566+/-1.211 χ^2/NDF:359187.5/19

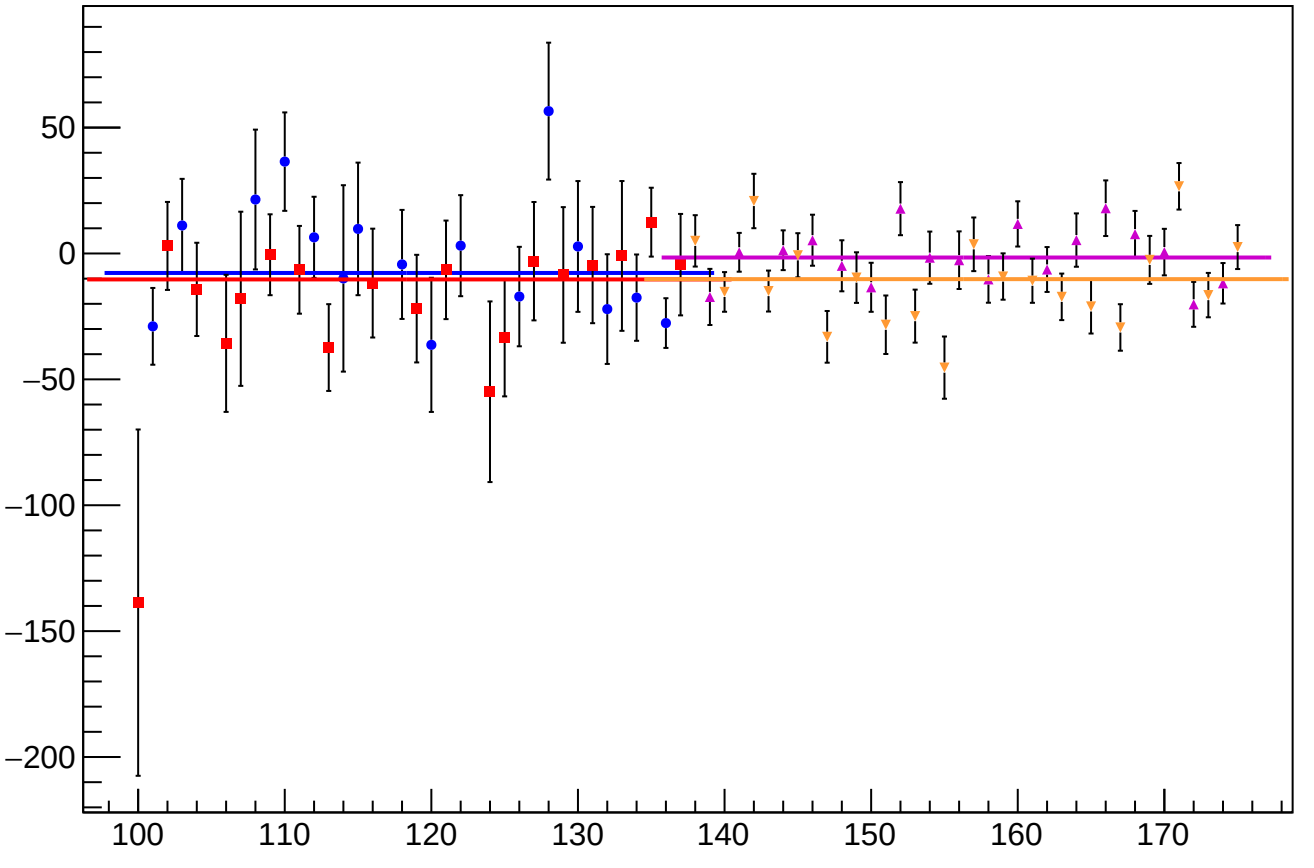
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6649.471+/-1.236 χ^2/NDF:553878.2/17

+ sign 6969.105+/-1.045 χ^2/NDF: 1378194.9/35

All: 6926.869+/-0.741 χ^2/NDF: 2889765.7/72

- sign 6884.017+/-1.052 χ^2/NDF: 1508276.9/36



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -10.195+/-2.136 χ^2/NDF:56.7/19

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

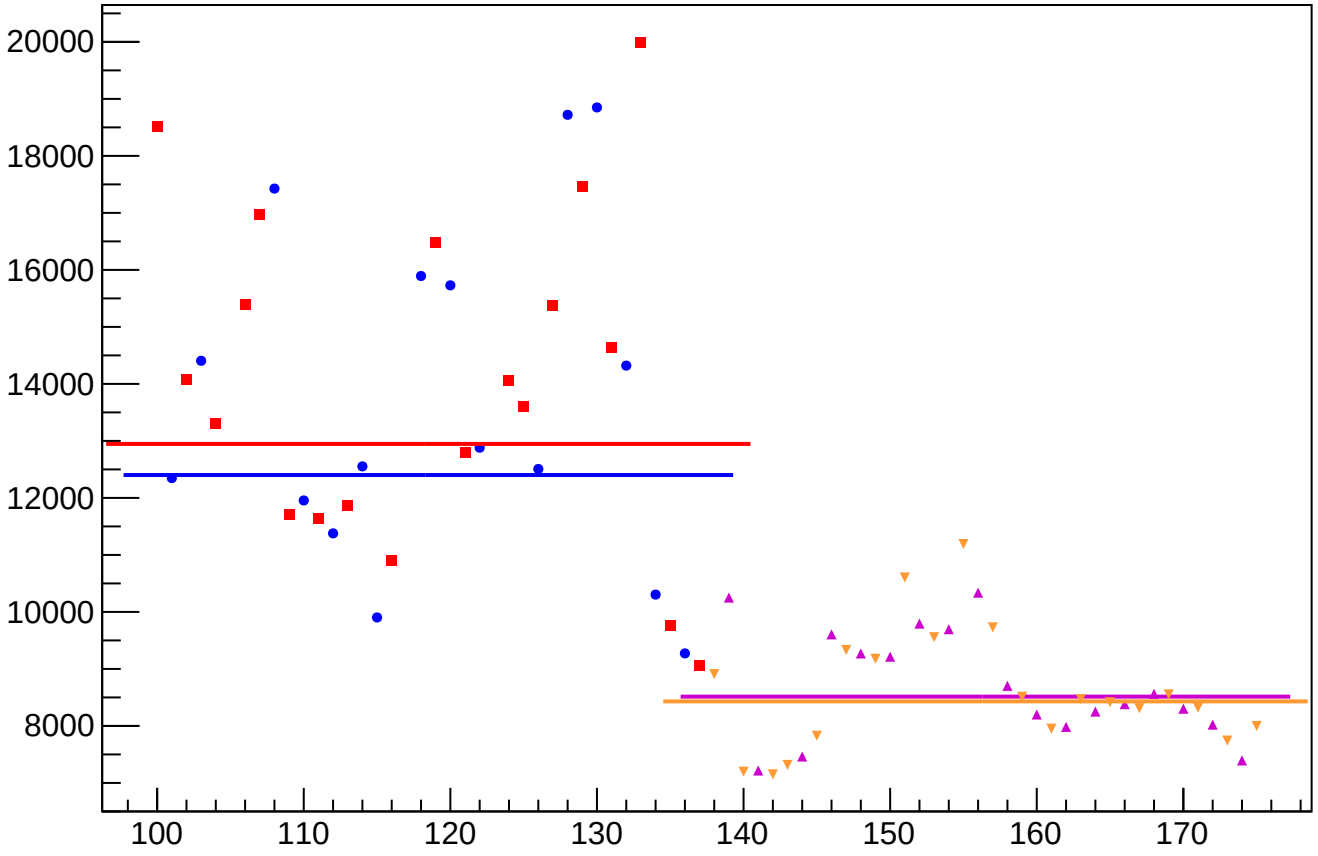
Left In: -1.606+/-2.225 χ^2/NDF:21.6/17

+ sign -9.782+/-1.948 χ^2/NDF: 79.6/35

All: -6.575+/-1.403 χ^2/NDF: 123.4/72

- sign -3.123+/-2.021 χ^2/NDF: 38.2/36

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8430.552+/-1.510 χ^2/NDF:401477.1/19

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

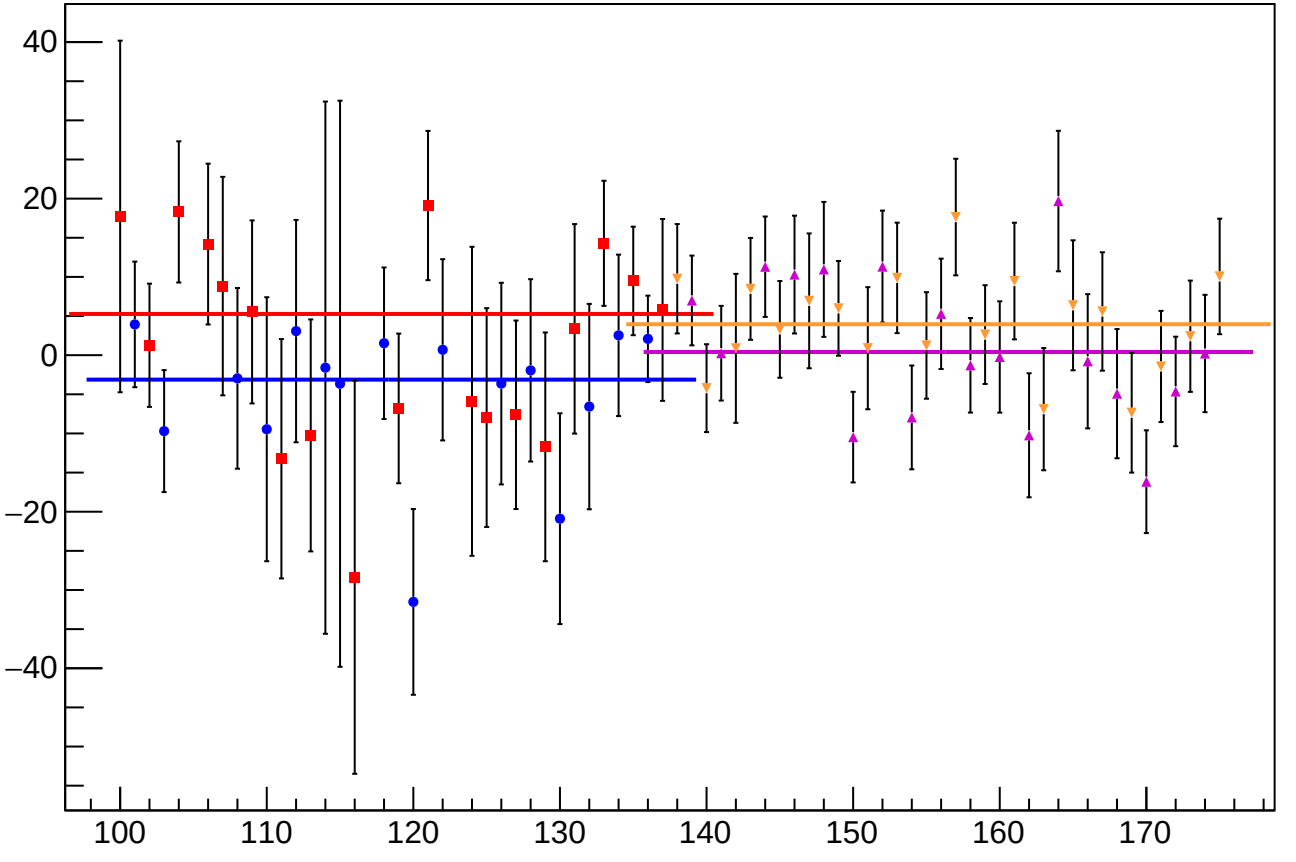
Left In: 8514.400+/-1.573 χ^2/NDF:349465.6/17

+ sign 9098.958+/-1.377 χ^2/NDF: 2243341.1/35

All: 9189.788+/-0.992 χ^2/NDF: 4542249.2/72

- sign 9287.578+/-1.429 χ^2/NDF: 2289878.3/36

diff_bpm4eY_mean vs Slug



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.955+/-1.588 χ^2/NDF:14.2/19

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

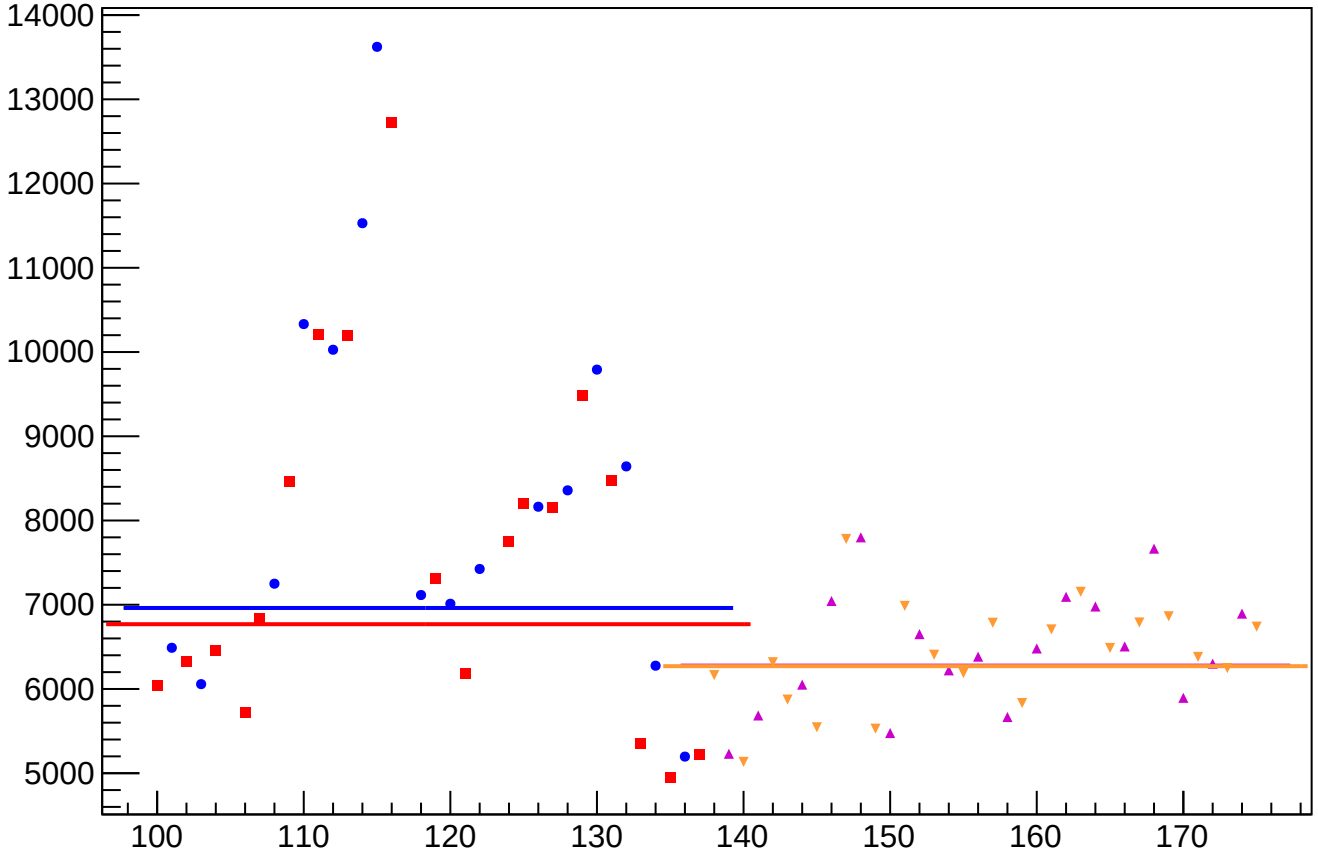
Left In: 0.406+/-1.642 χ^2/NDF:29.2/17

+ sign 2.091+/-1.363 χ^2/NDF: 30.3/35

All: 1.961+/-0.970 χ^2/NDF: 79.0/72

- sign 1.828+/-1.381 χ^2/NDF: 48.7/36

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6270.746+/-1.123 χ^2/NDF:309875.5/19

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

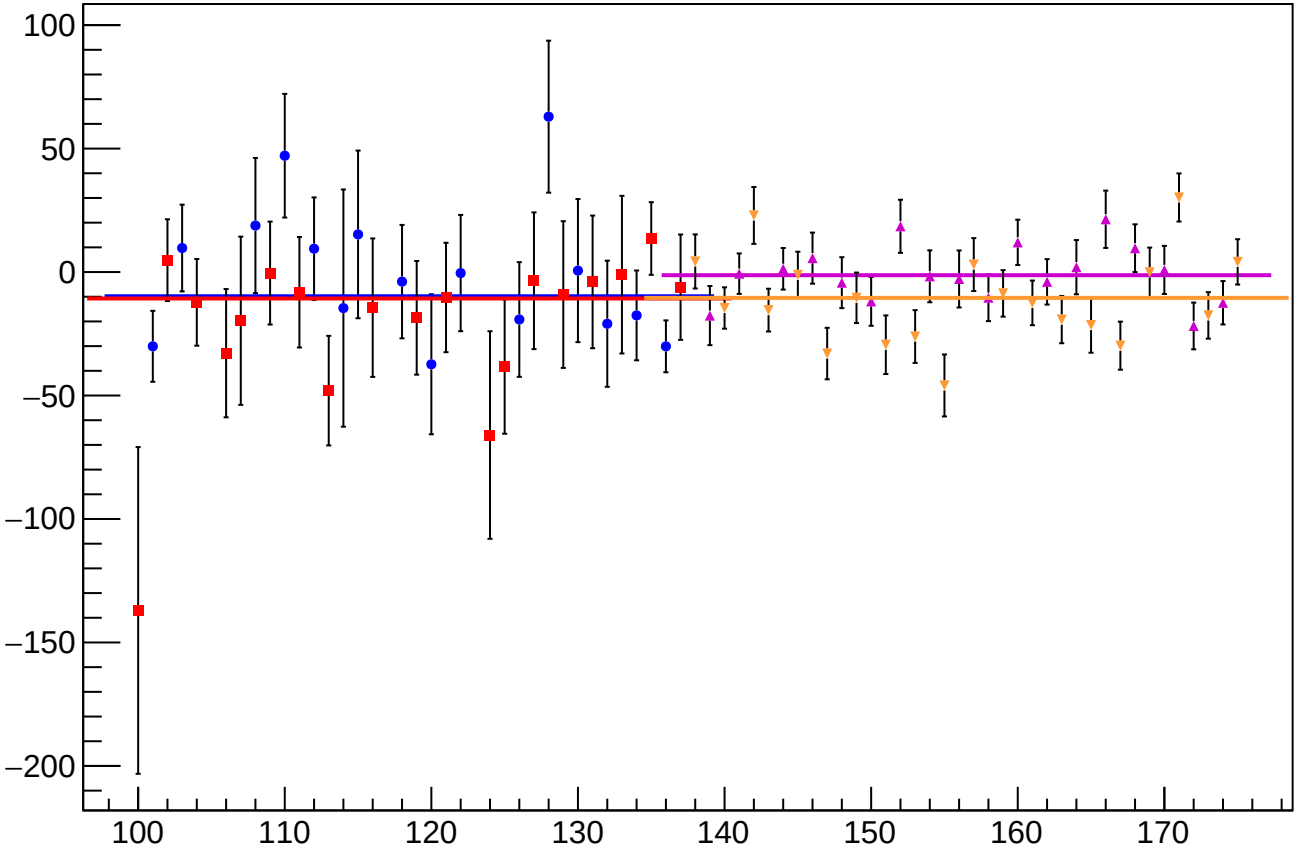
Left In: 6277.226+/-1.161 χ^2/NDF:349651.7/17

+ sign 6452.709+/-0.964 χ^2/NDF: 1105987.4/35

All: 6437.153+/-0.686 χ^2/NDF: 2306755.7/72

- sign 6421.175+/-0.977 χ^2/NDF: 1200240.1/36

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -10.453+/-2.230 χ^2/NDF:58.1/19

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

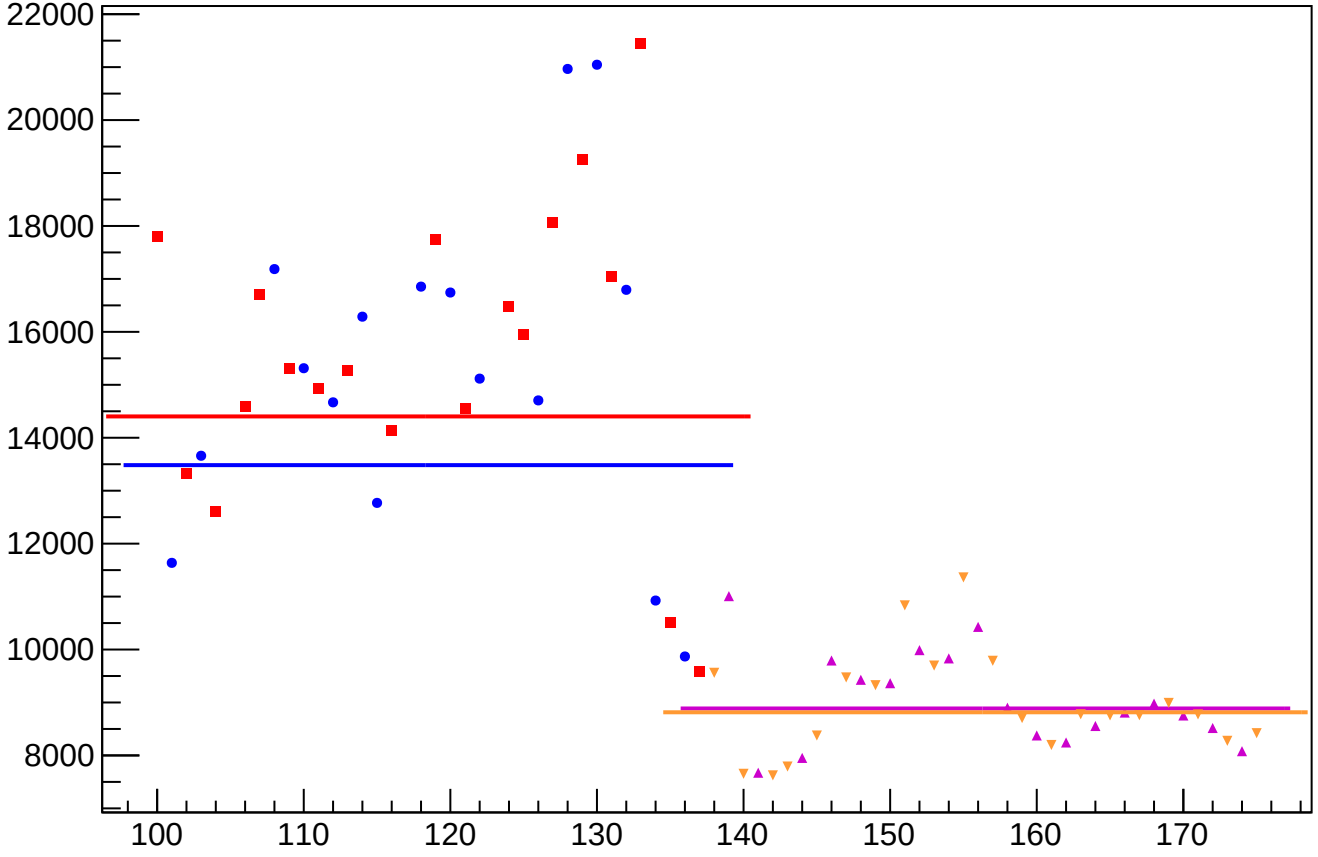
Left In: -1.270+/-2.319 χ^2/NDF:21.7/17

+ sign -10.352+/-2.048 χ^2/NDF: 80.2/35

All: -6.698+/-1.476 χ^2/NDF: 125.4/72

- sign -2.747+/-2.129 χ^2/NDF: 38.6/36

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8814.910+/-1.577 χ^2/NDF:305637.8/19

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

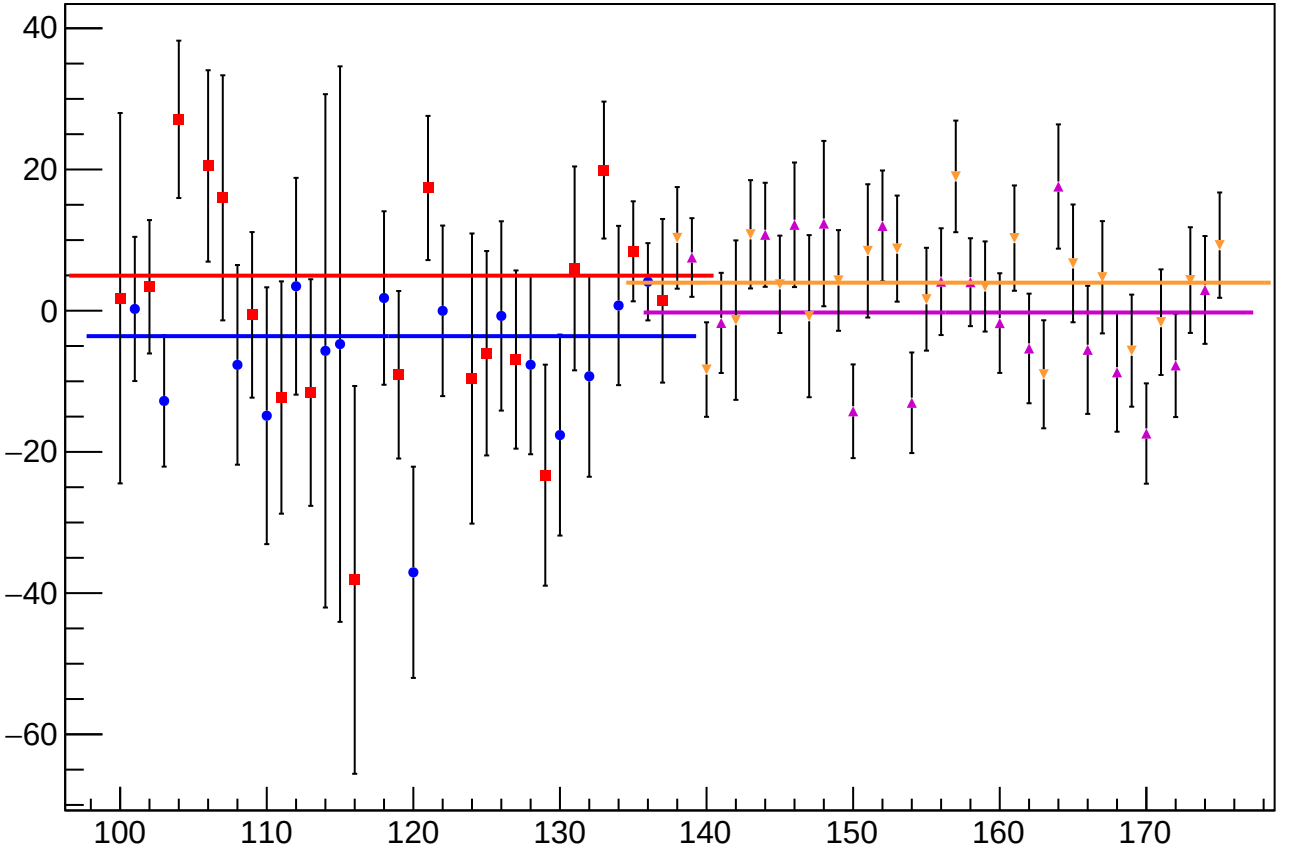
Left In: 8886.565+/-1.639 χ^2/NDF:267939.3/17

+ sign 9545.032+/-1.448 χ^2/NDF: 2420485.1/35

All: 9643.733+/-1.044 χ^2/NDF: 5023343.4/72

- sign 9750.441+/-1.506 χ^2/NDF: 2593189.5/36

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.970+/-1.720 χ^2/NDF:16.0/19

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

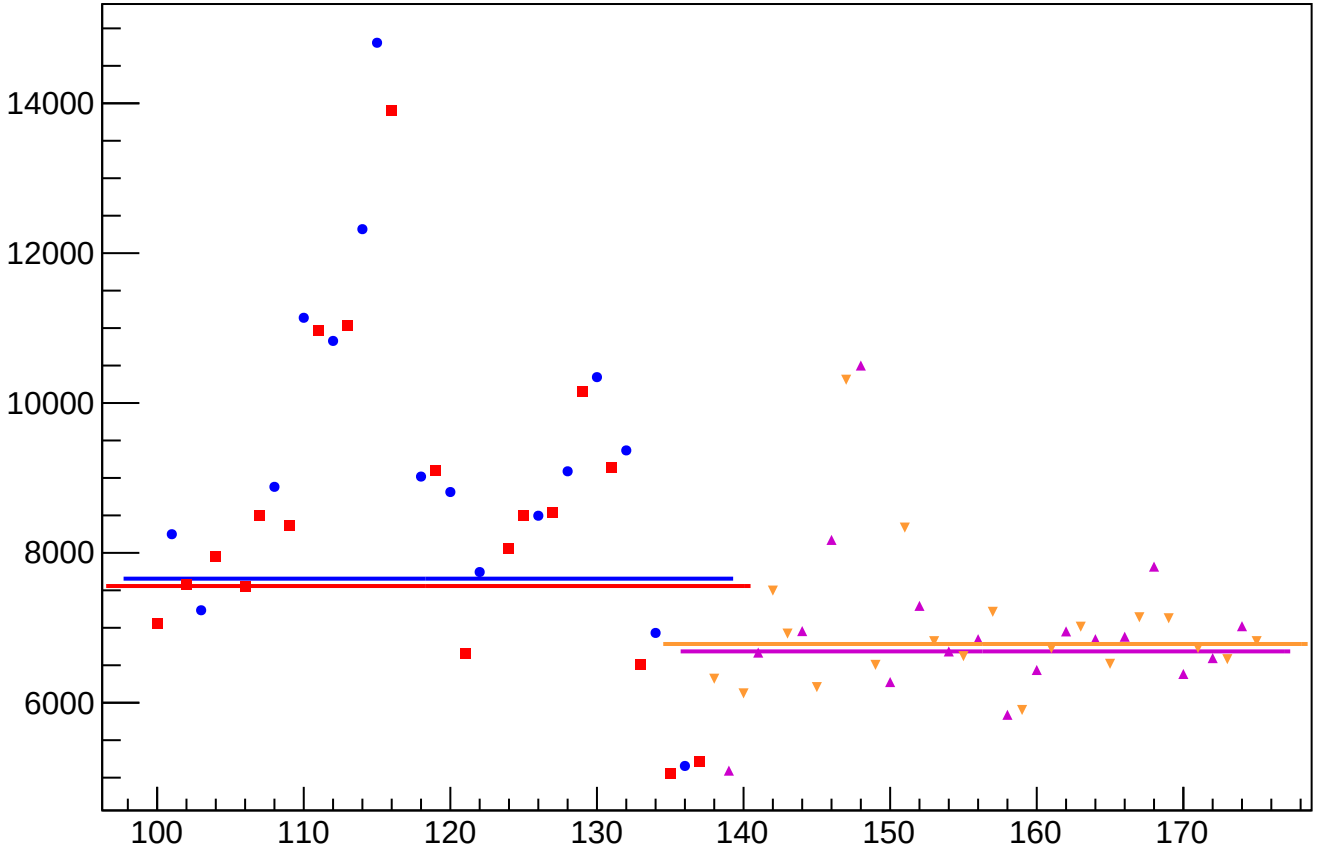
Left In: -0.255+/-1.757 χ^2/NDF:31.3/17

+ sign 2.038+/-1.485 χ^2/NDF: 31.4/35

All: 1.611+/-1.054 χ^2/NDF: 86.6/72

- sign 1.178+/-1.496 χ^2/NDF: 55.1/36

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6783.902+/-1.216 χ^2/NDF:354530.0/19

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

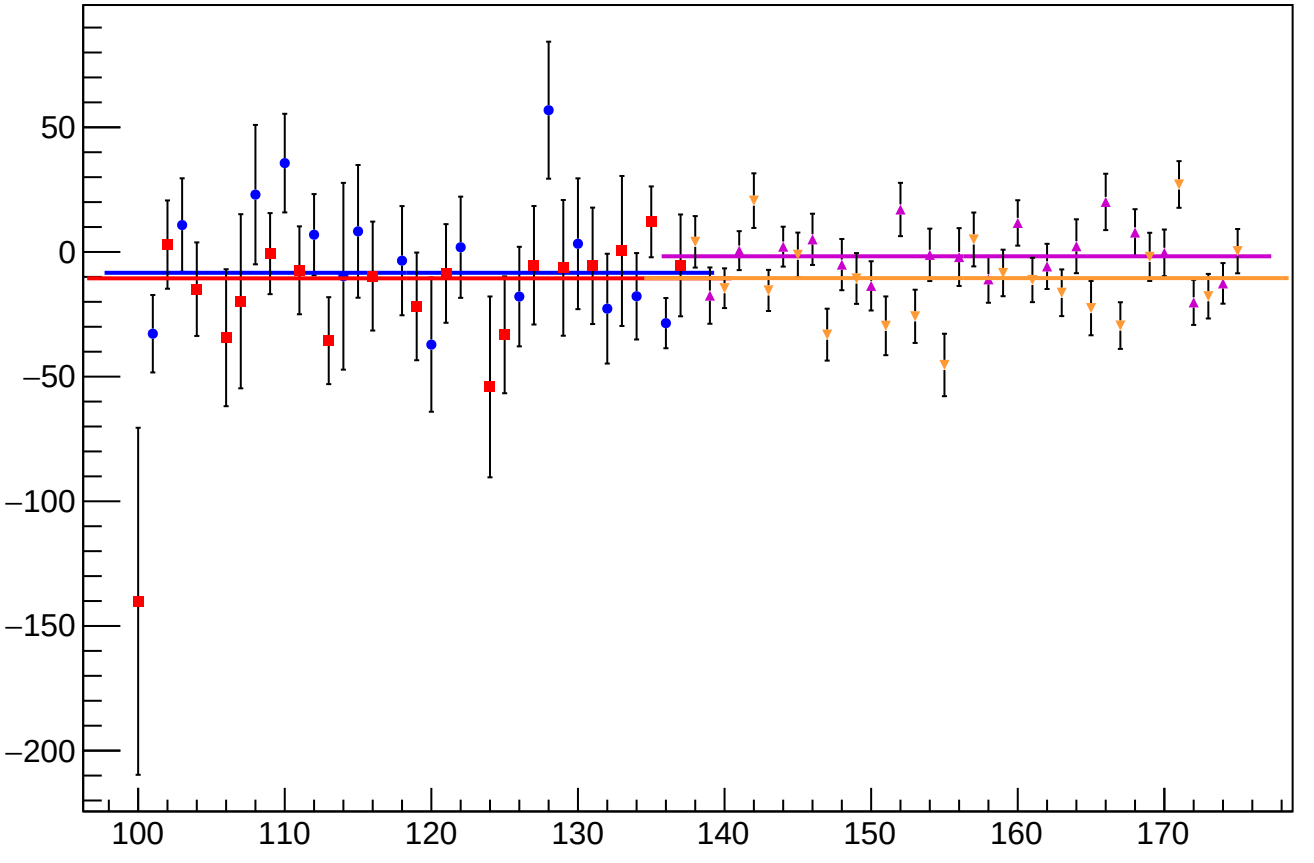
Left In: 6685.038+/-1.242 χ^2/NDF:542985.8/17

+ sign 7006.294+/-1.050 χ^2/NDF: 1365356.6/35

All: 6965.755+/-0.745 χ^2/NDF: 2856656.5/72

- sign 6924.587+/-1.058 χ^2/NDF: 1488294.8/36

diff_bpm4ecX_mean vs Slug



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -10.485+/-2.165 χ^2/NDF:55.8/19

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

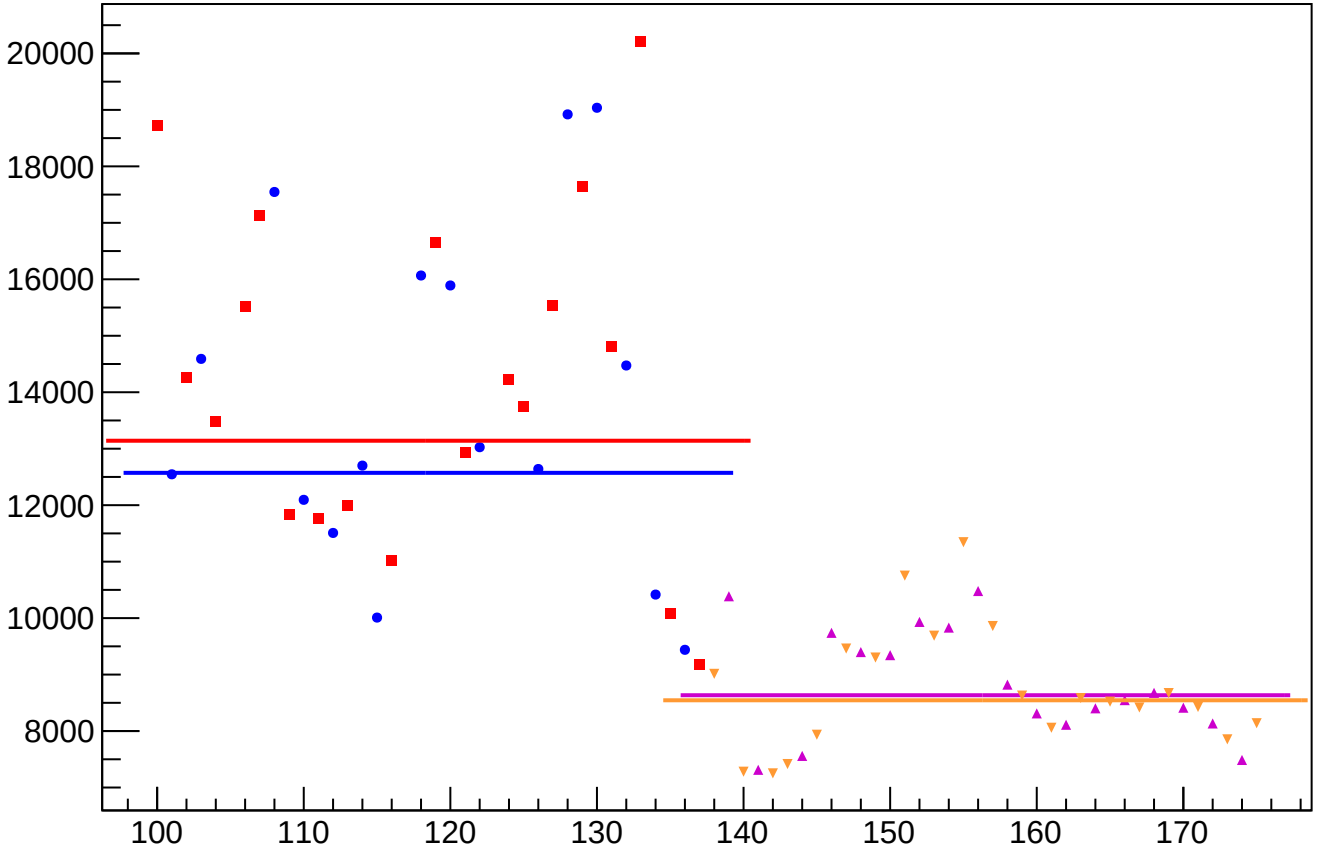
Left In: -1.735+/-2.256 χ^2/NDF:21.6/17

+ sign -10.126+/-1.975 χ^2/NDF: 79.2/35

All: -6.830+/-1.422 χ^2/NDF: 122.2/72

- sign -3.275+/-2.050 χ^2/NDF: 37.1/36

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8544.880+/-1.531 χ^2/NDF:401993.4/19

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

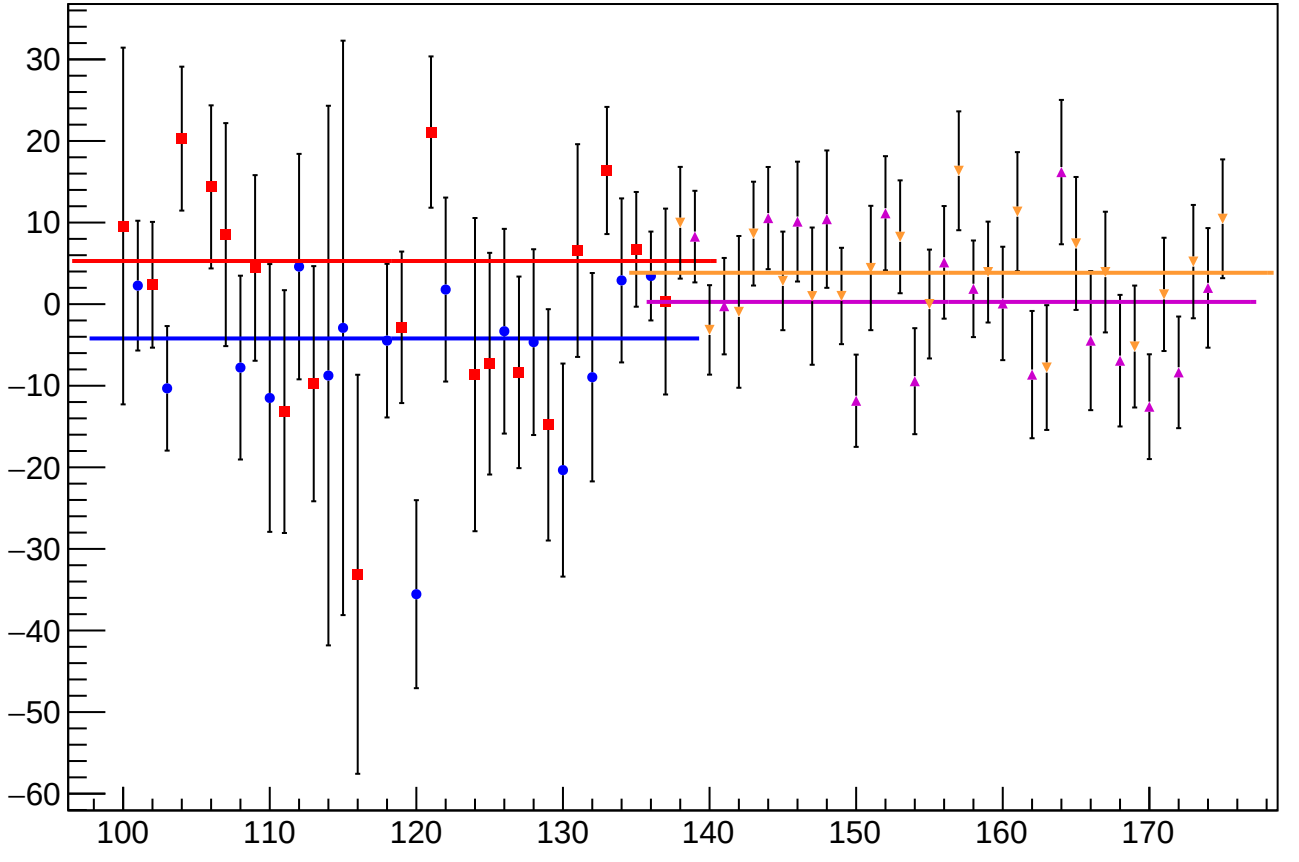
Left In: 8634.431+/-1.596 χ^2/NDF:349935.6/17

+ sign 9222.557+/-1.396 χ^2/NDF: 2231602.0/35

All: 9317.571+/-1.006 χ^2/NDF: 4516673.6/72

- sign 9420.018+/-1.450 χ^2/NDF: 2275447.5/36

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.845+/-1.554 χ^2/NDF:13.4/19

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

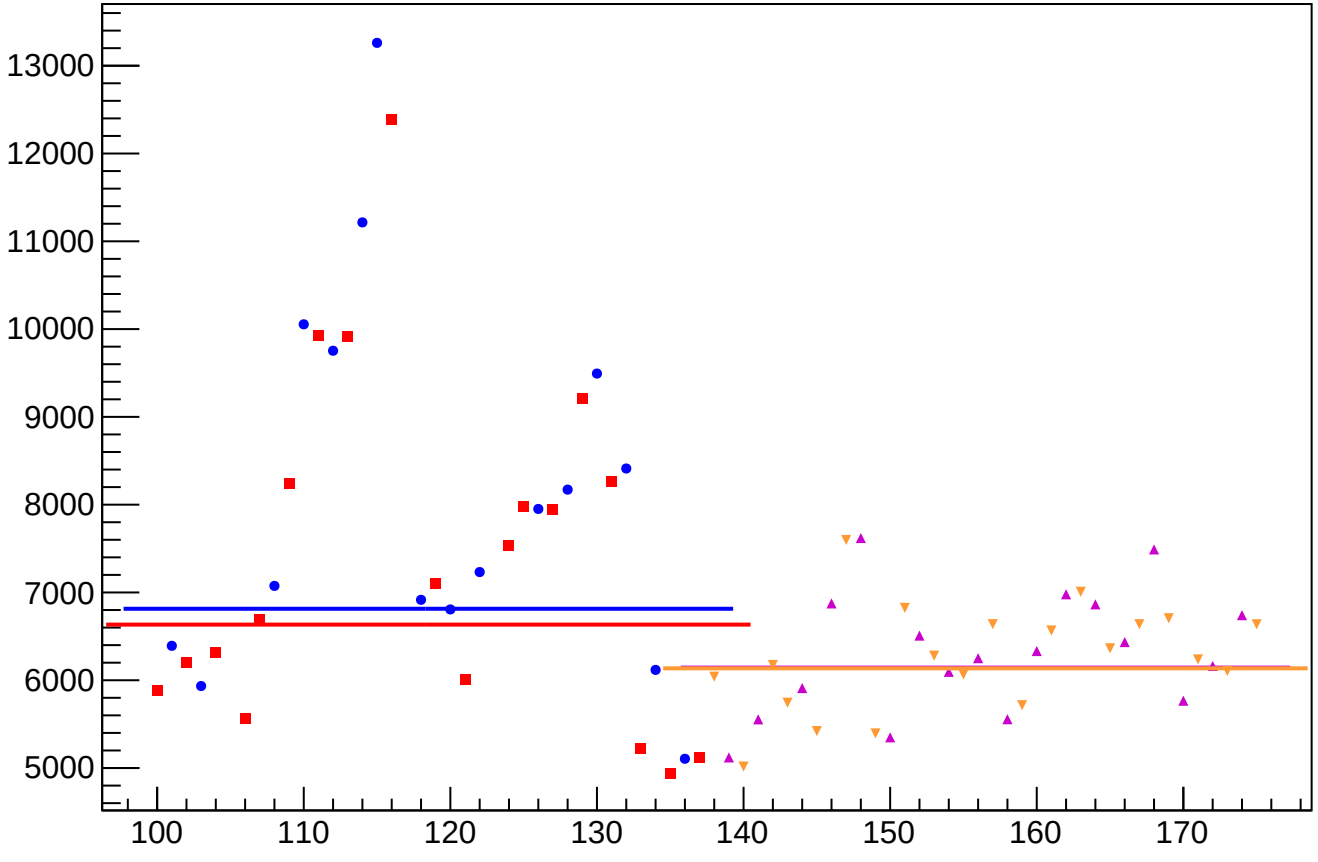
Left In: 0.274+/-1.608 χ^2/NDF:29.1/17

+ sign 1.727+/-1.334 χ^2/NDF: 34.3/35

All: 1.733+/-0.950 χ^2/NDF: 85.9/72

- sign 1.739+/-1.353 χ^2/NDF: 51.7/36

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6135.642+/-1.099 χ^2/NDF:312815.7/19

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

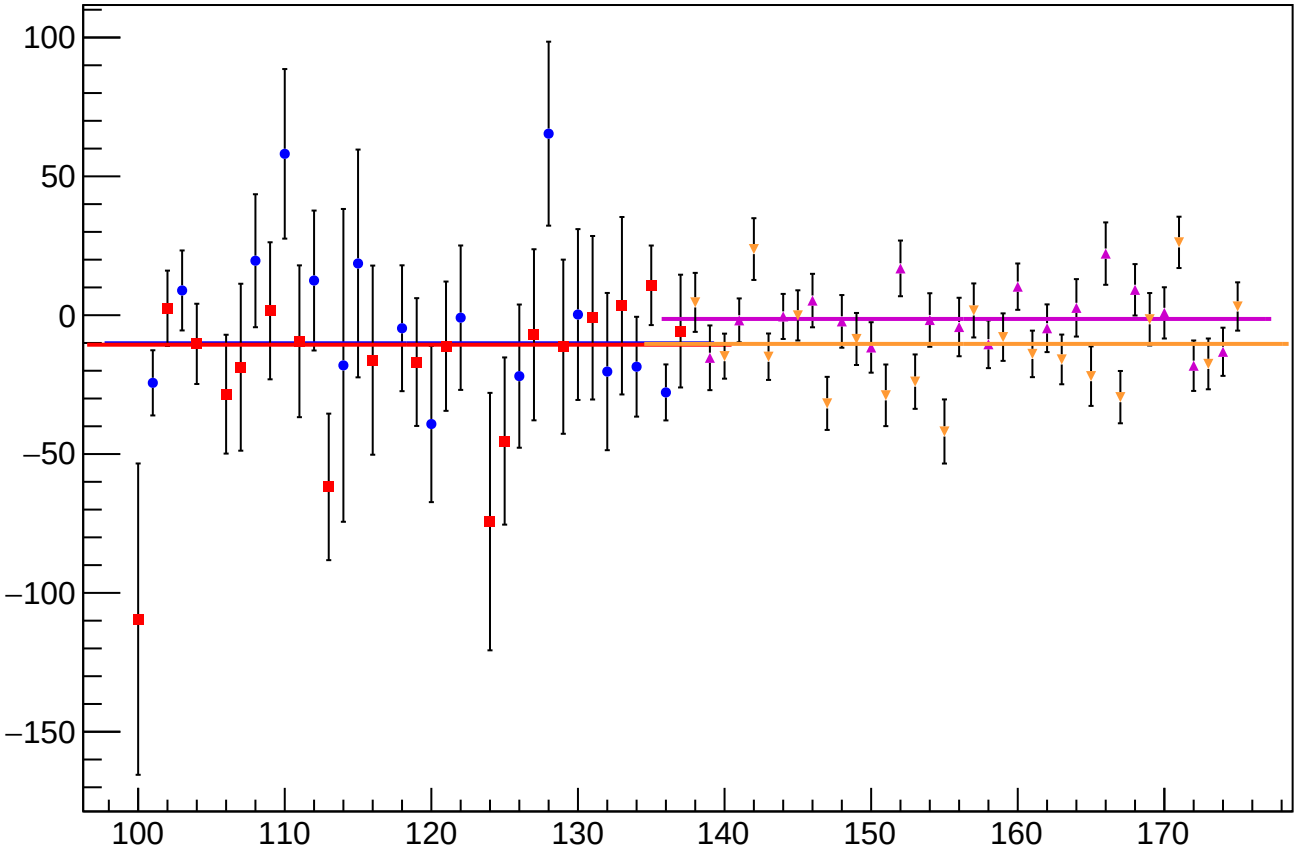
Left In: 6143.988+/-1.137 χ^2/NDF:351475.8/17

+ sign 6314.226+/-0.943 χ^2/NDF: 1087283.7/35

All: 6300.878+/-0.672 χ^2/NDF: 2256731.9/72

- sign 6287.149+/-0.957 χ^2/NDF: 1169042.0/36

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -10.335+/-2.103 χ^2/NDF:57.6/19

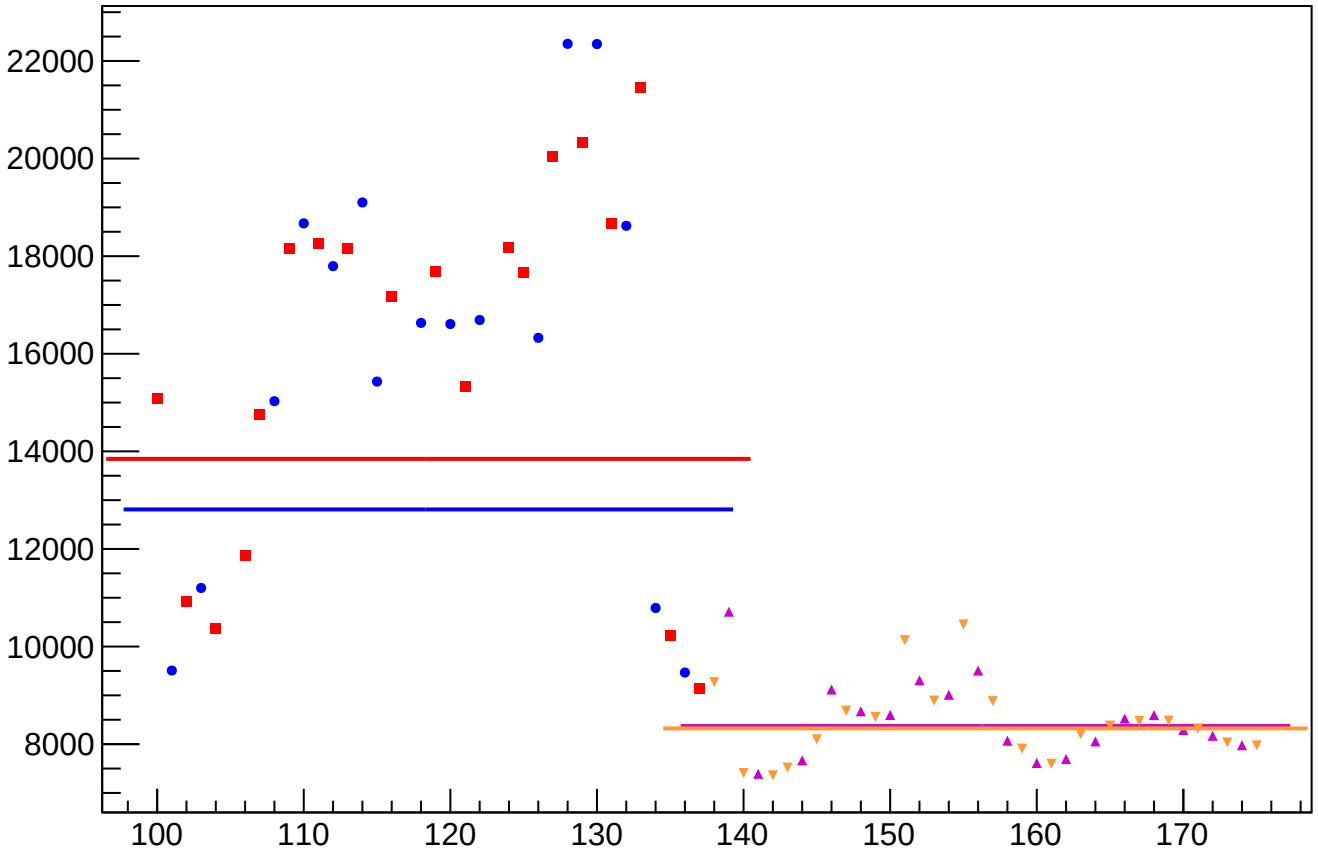
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -1.350+/-2.183 χ^2/NDF:21.0/17

+ sign -10.302+/-1.939 χ^2/NDF: 78.9/35

All: -6.652+/-1.398 χ^2/NDF: 124.6/72

- sign -2.705+/-2.017 χ^2/NDF: 38.4/36



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8322.570+/-1.487 χ^2/NDF:241229.0/19

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

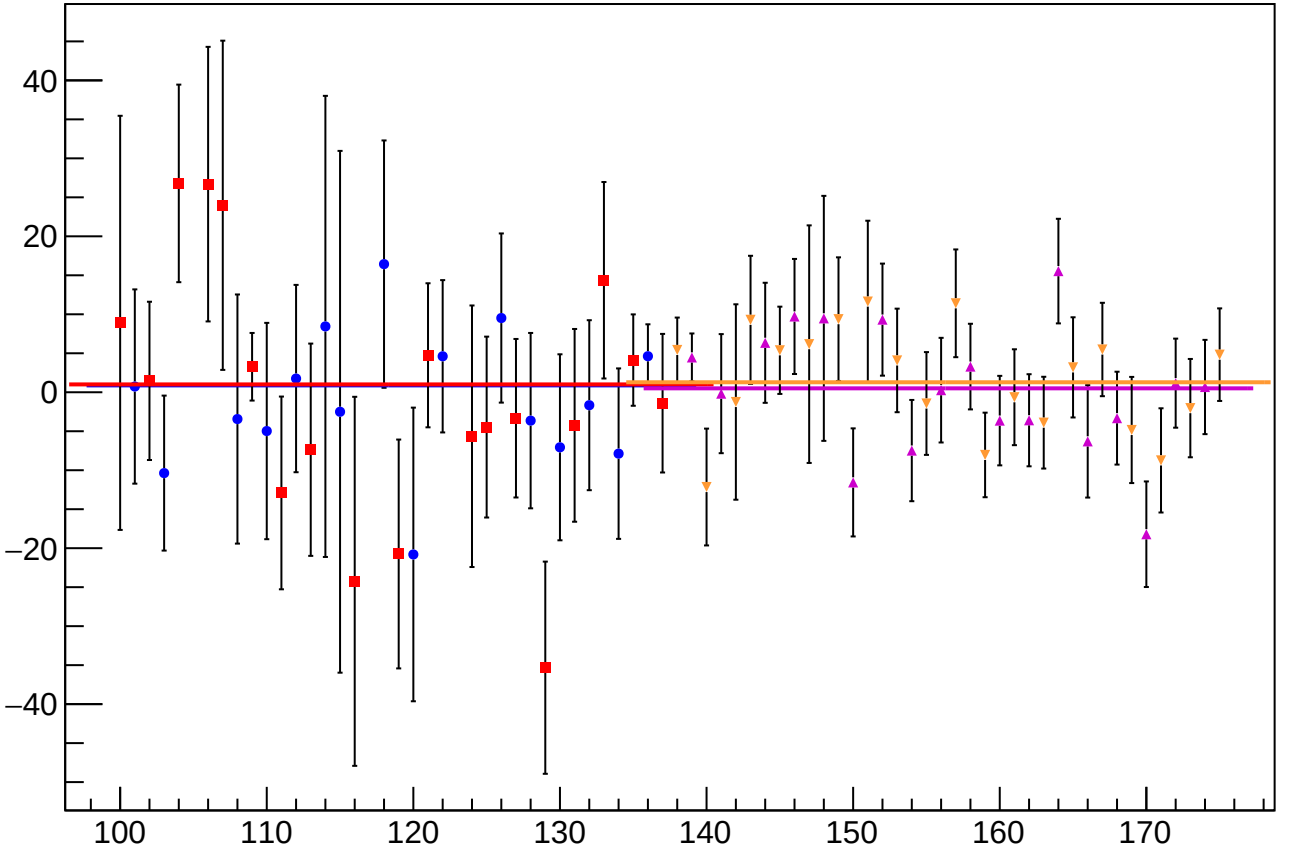
Left In: 8370.339+/-1.543 χ^2/NDF:231590.4/17

+ sign 8993.061+/-1.371 χ^2/NDF: 2850323.1/35

All: 9078.235+/-0.989 χ^2/NDF: 6025243.1/72

- sign 9170.365+/-1.426 χ^2/NDF: 3166889.7/36

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 1.281+/-1.468 χ^2/NDF:18.5/19

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

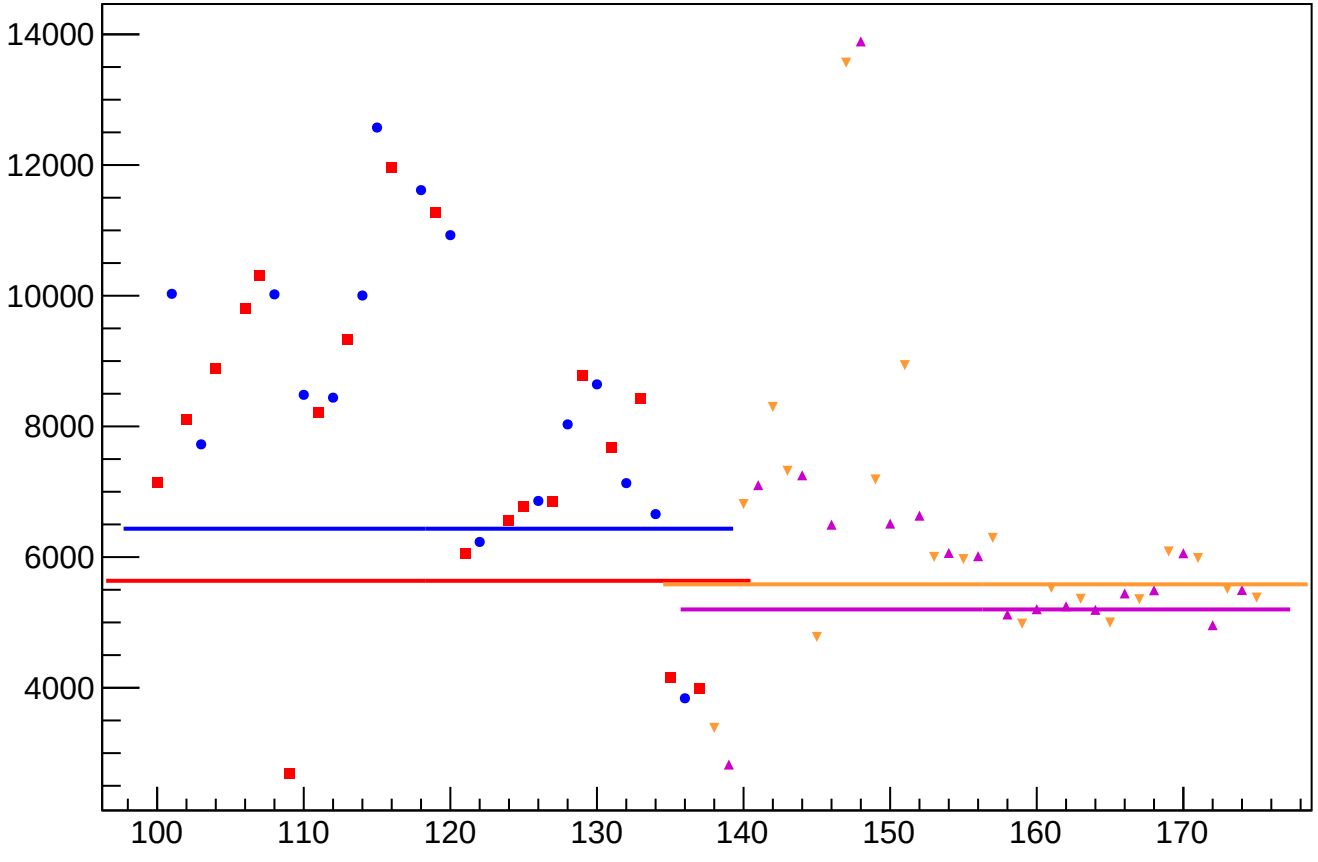
Left In: 0.501+/-1.428 χ^2/NDF:25.4/17

+ sign 1.183+/-1.274 χ^2/NDF: 25.3/35

All: 0.899+/-0.880 χ^2/NDF: 73.2/72

- sign 0.640+/-1.215 χ^2/NDF: 47.8/36

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5582.976+/-1.038 χ^2/NDF:1782109.8/19

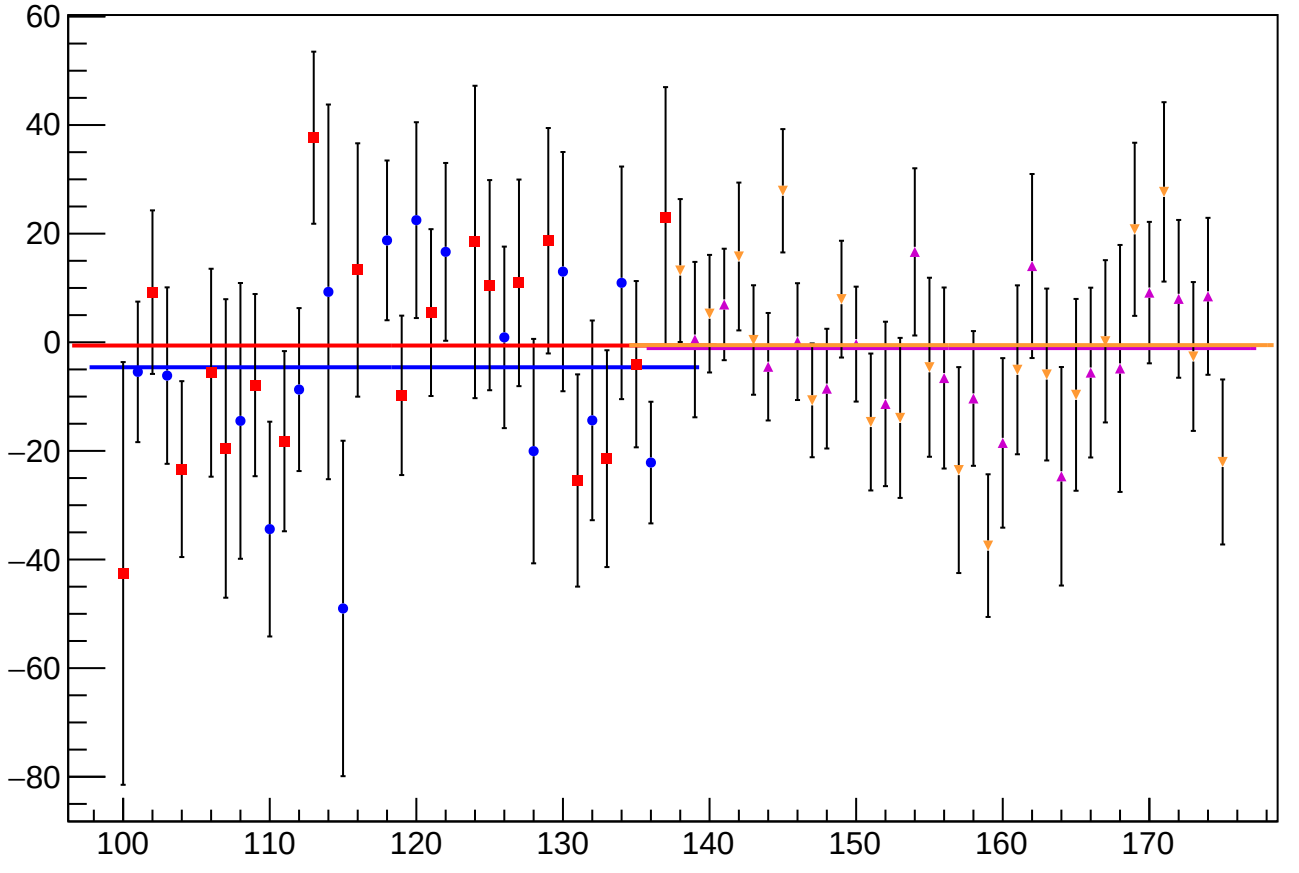
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5199.070+/-1.010 χ^2/NDF:2399274.6/17

+ sign 5792.987+/-0.901 χ^2/NDF: 3698664.4/35

All: 5545.314+/-0.622 χ^2/NDF: 8874187.6/72

- sign 5319.998+/-0.859 χ^2/NDF: 5031242.8/36



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.527+/-2.997 χ^2/NDF:29.4/19

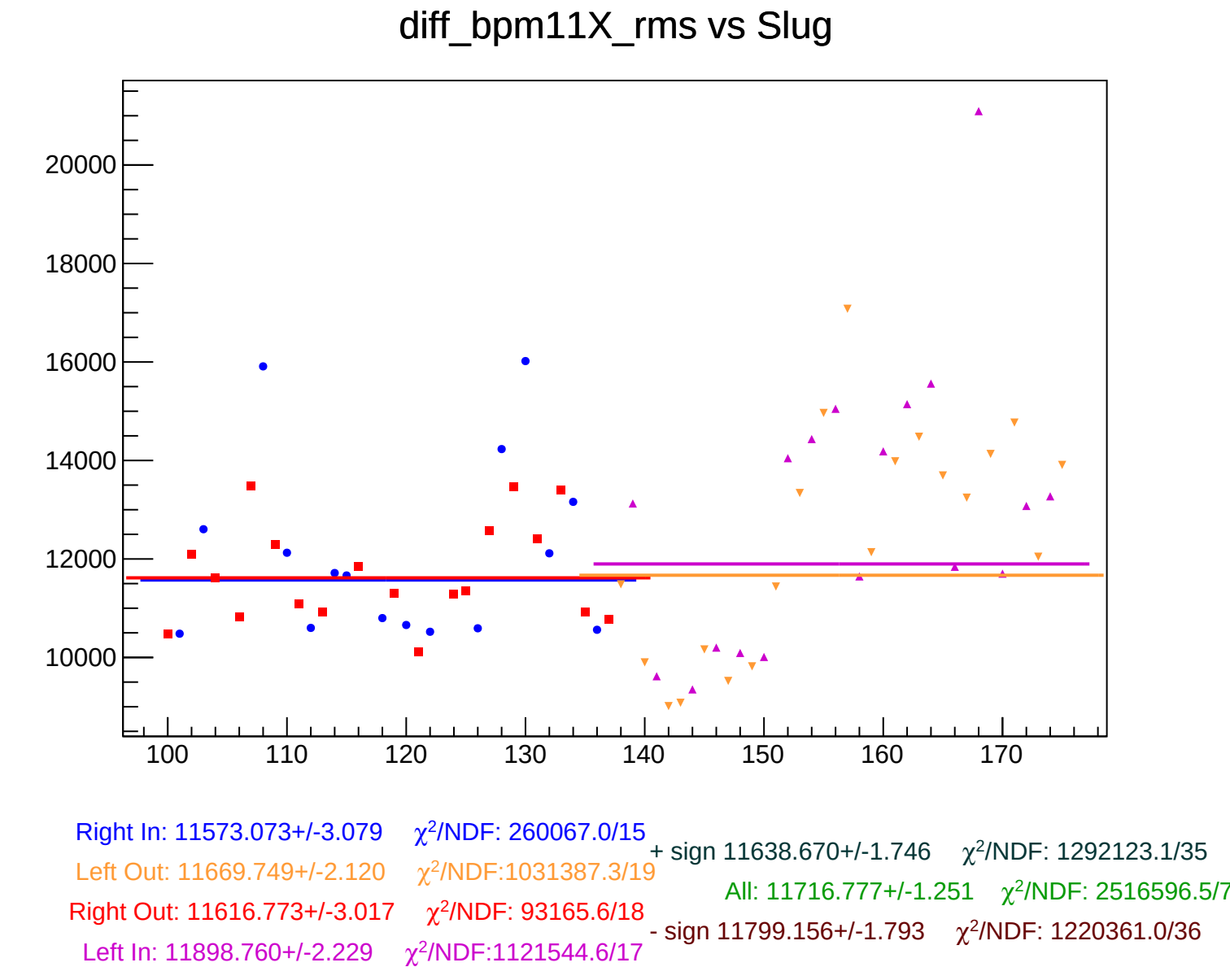
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -1.072+/-3.153 χ^2/NDF:8.6/17

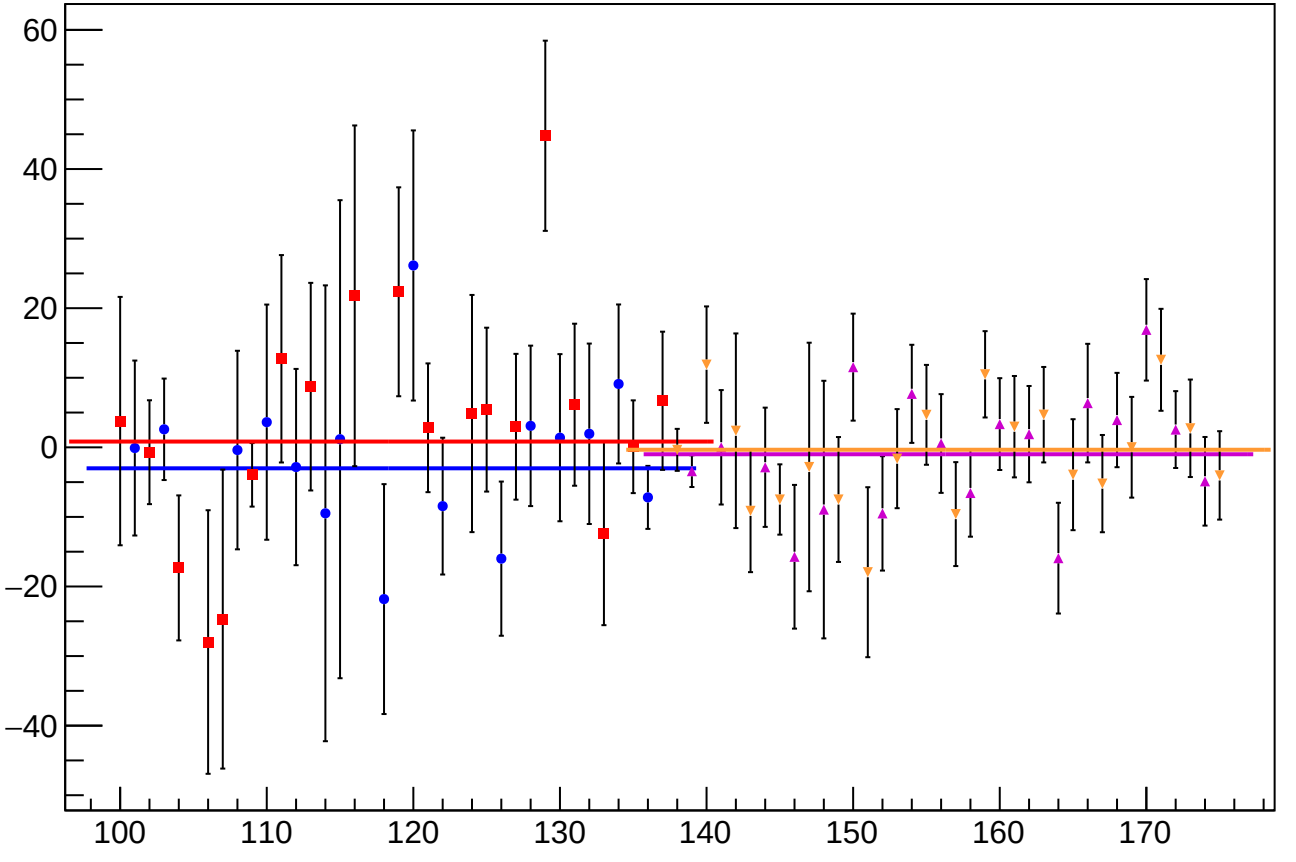
+ sign -1.837+/-2.469 χ^2/NDF: 45.7/35

All: -1.383+/-1.769 χ^2/NDF: 72.4/72

- sign -0.905+/-2.536 χ^2/NDF: 26.5/36


diff_bpm11X_rms vs Slug
20000
18000
16000
14000
12000
10000
100
110
120
130
140
150
160
170
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 11669.749+/-2.120 χ²/NDF:1031387.3/19
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 11898.760+/-2.229 χ²/NDF:1121544.6/17
+ sign 11638.670+/-1.746 χ²/NDF: 1292123.1/35
All: 11716.777+/-1.251 χ²/NDF: 2516596.5/7
- sign 11799.156+/-1.793 χ²/NDF: 1220361.0/36

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.346+/-1.498 χ^2/NDF:18.1/19

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

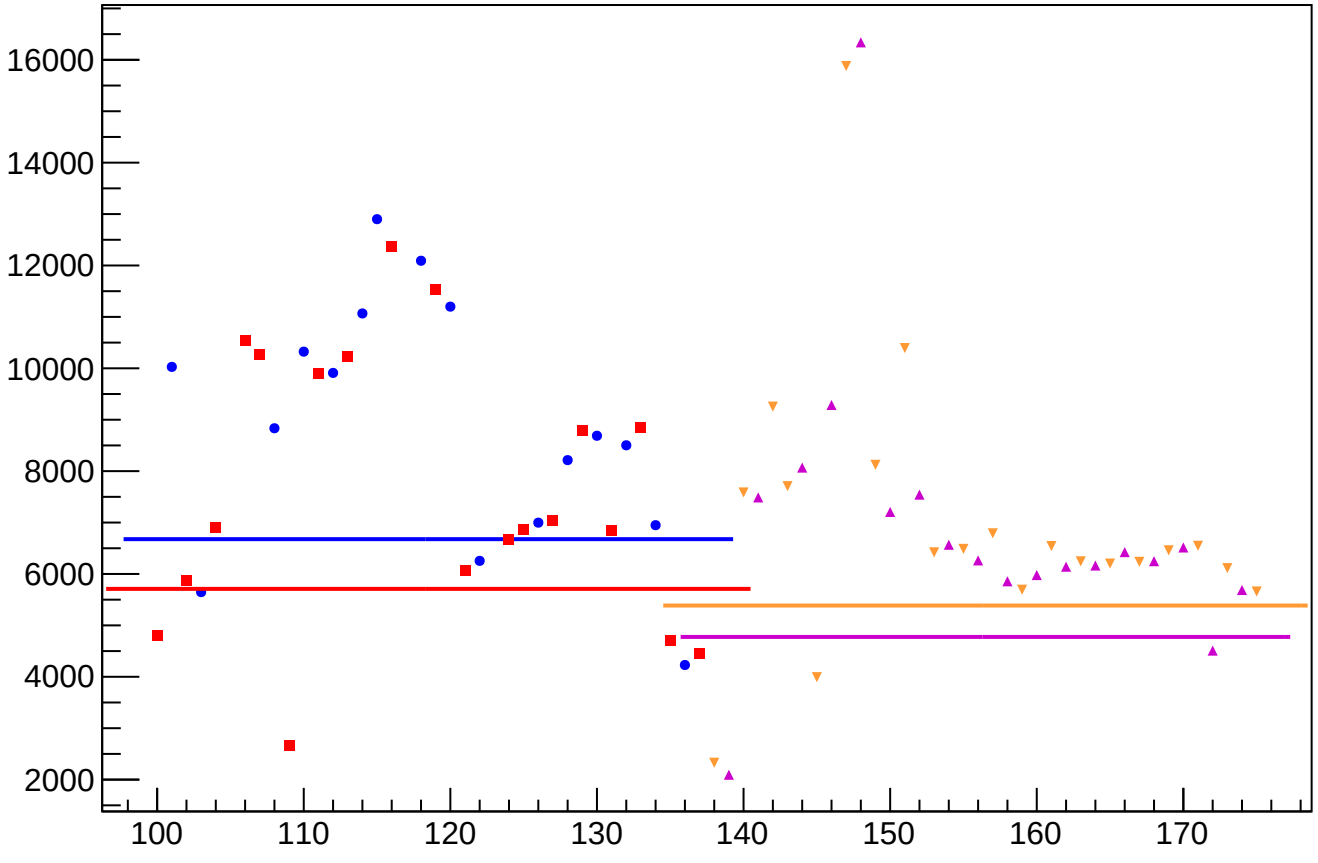
Left In: -0.993+/-1.412 χ^2/NDF:21.7/17

+ sign -0.991+/-1.304 χ^2/NDF: 27.5/35

All: -0.732+/-0.887 χ^2/NDF: 73.5/72

- sign -0.510+/-1.211 χ^2/NDF: 46.0/36

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5385.918+/-1.059 χ^2/NDF:4265450.2/19

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

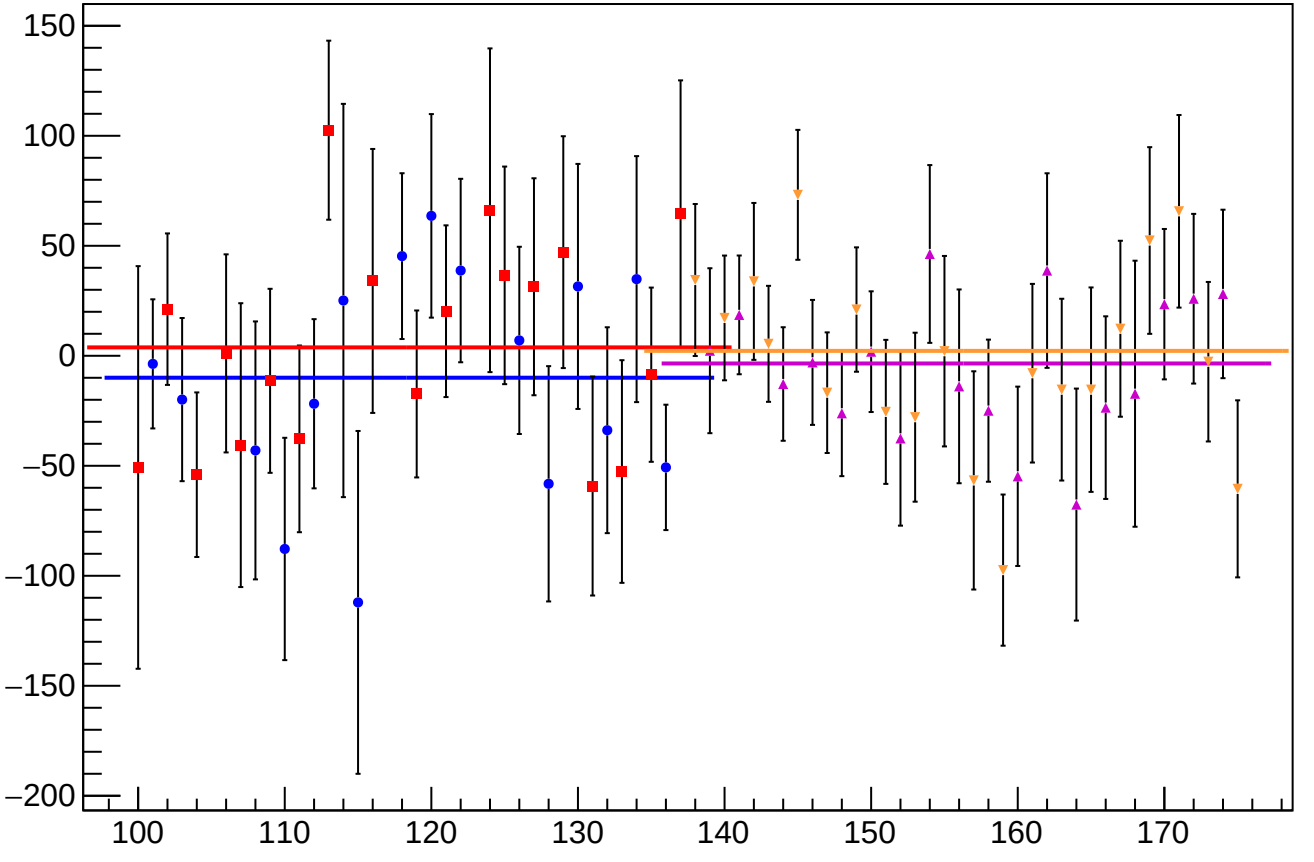
Left In: 4775.367+/-0.999 χ^2/NDF:5676374.4/17

+ sign 5697.823+/-0.922 χ^2/NDF: 6197229.5/35

All: 5335.280+/-0.627 χ^2/NDF: 14694272.7/7

- sign 5023.028+/-0.856 χ^2/NDF: 8209518.2/36

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.233+/-7.864 χ^2/NDF:26.2/19

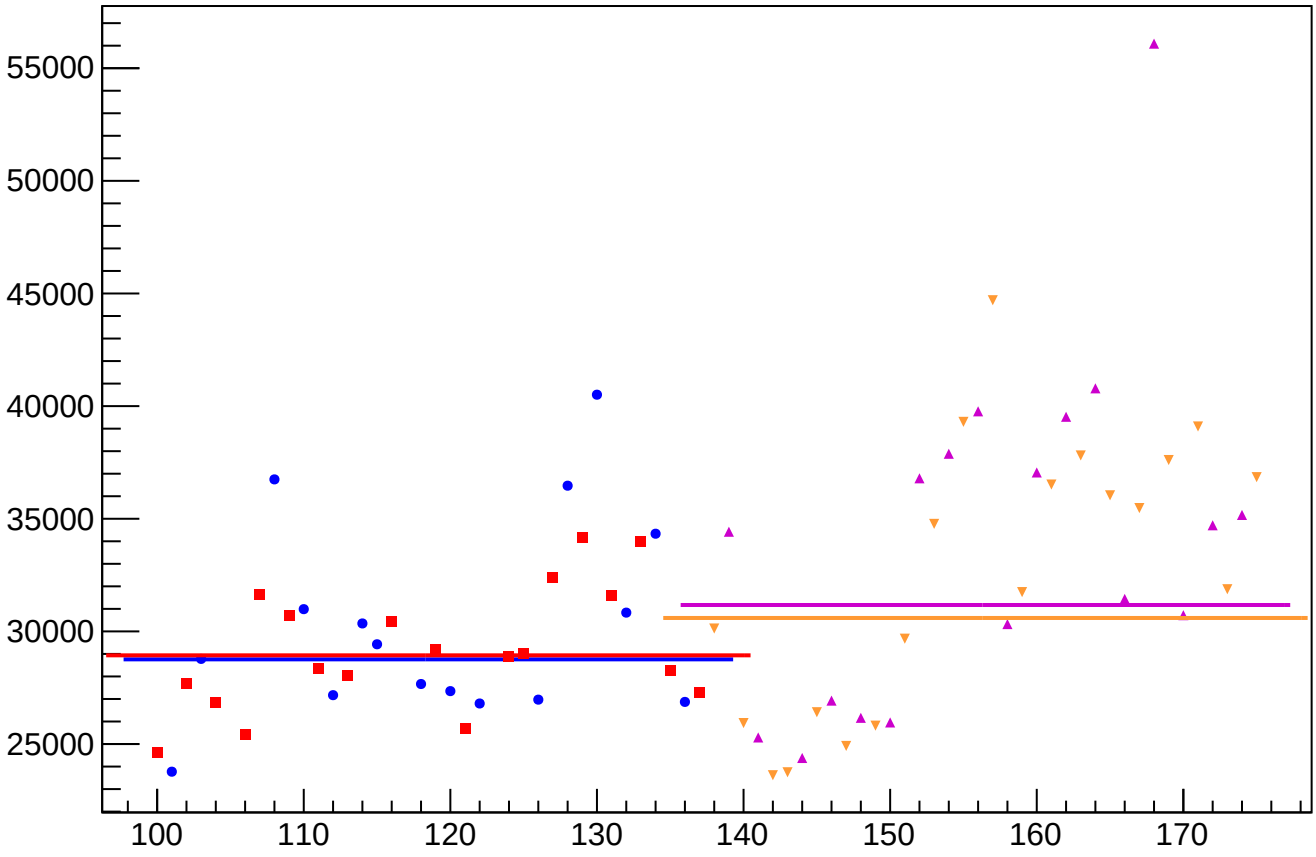
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -3.494+/-8.265 χ^2/NDF:10.4/17

\+ sign -1.976+/-6.365 χ^2/NDF: 42.3/35

All: -1.375+/-4.557 χ^2/NDF: 70.3/72

\- sign -0.743+/-6.526 χ^2/NDF: 28.0/36



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 30596.077+/-5.561 χ^2/NDF:1060948.6/19

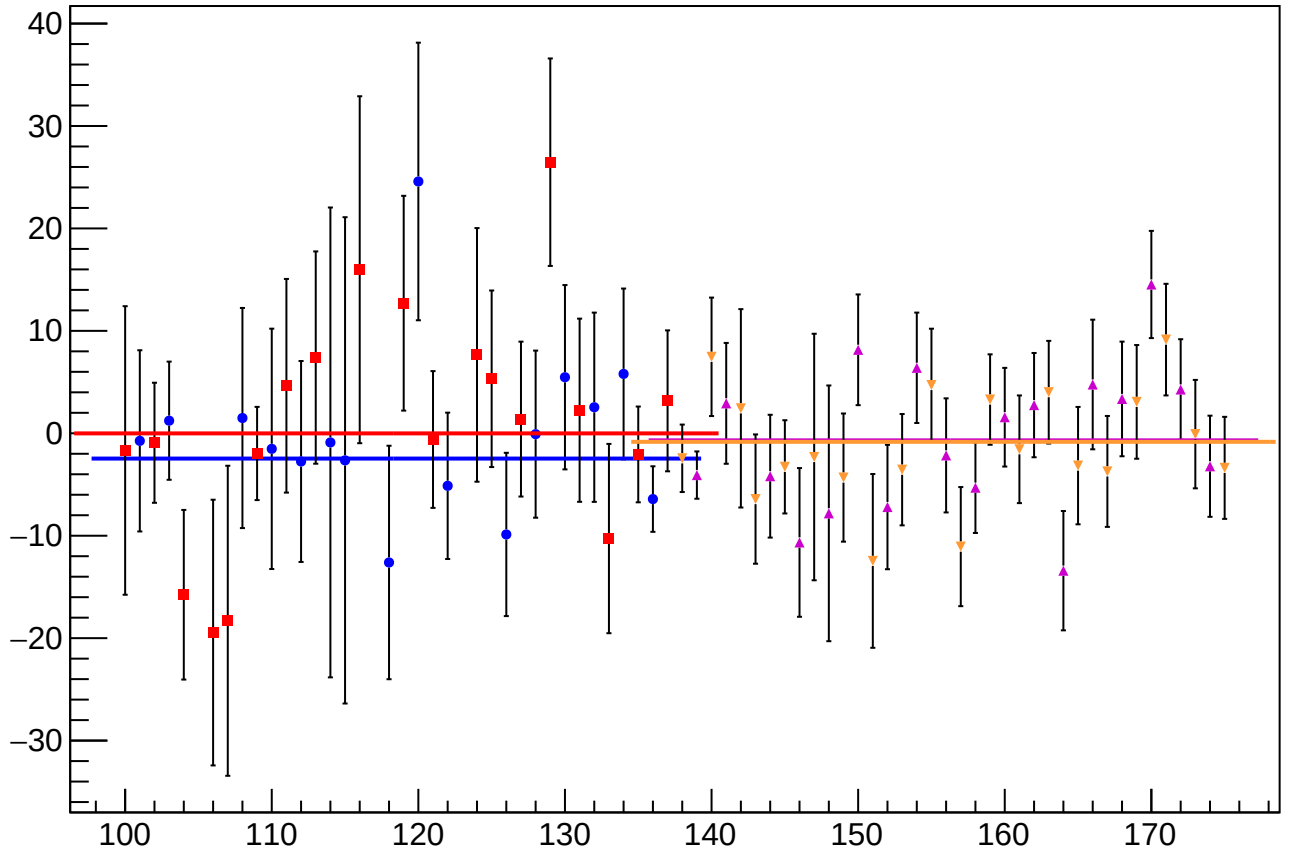
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 31172.088+/-5.844 χ^2/NDF:1158164.5/17

+ sign 29962.381+/-4.500 χ^2/NDF: 1376236.9/35

All: 30141.975+/-3.222 χ^2/NDF: 2698968.9/7

- sign 30330.816+/-4.615 χ^2/NDF: 1319465.0/36



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.832+/-1.210 χ^2/NDF:16.5/19

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

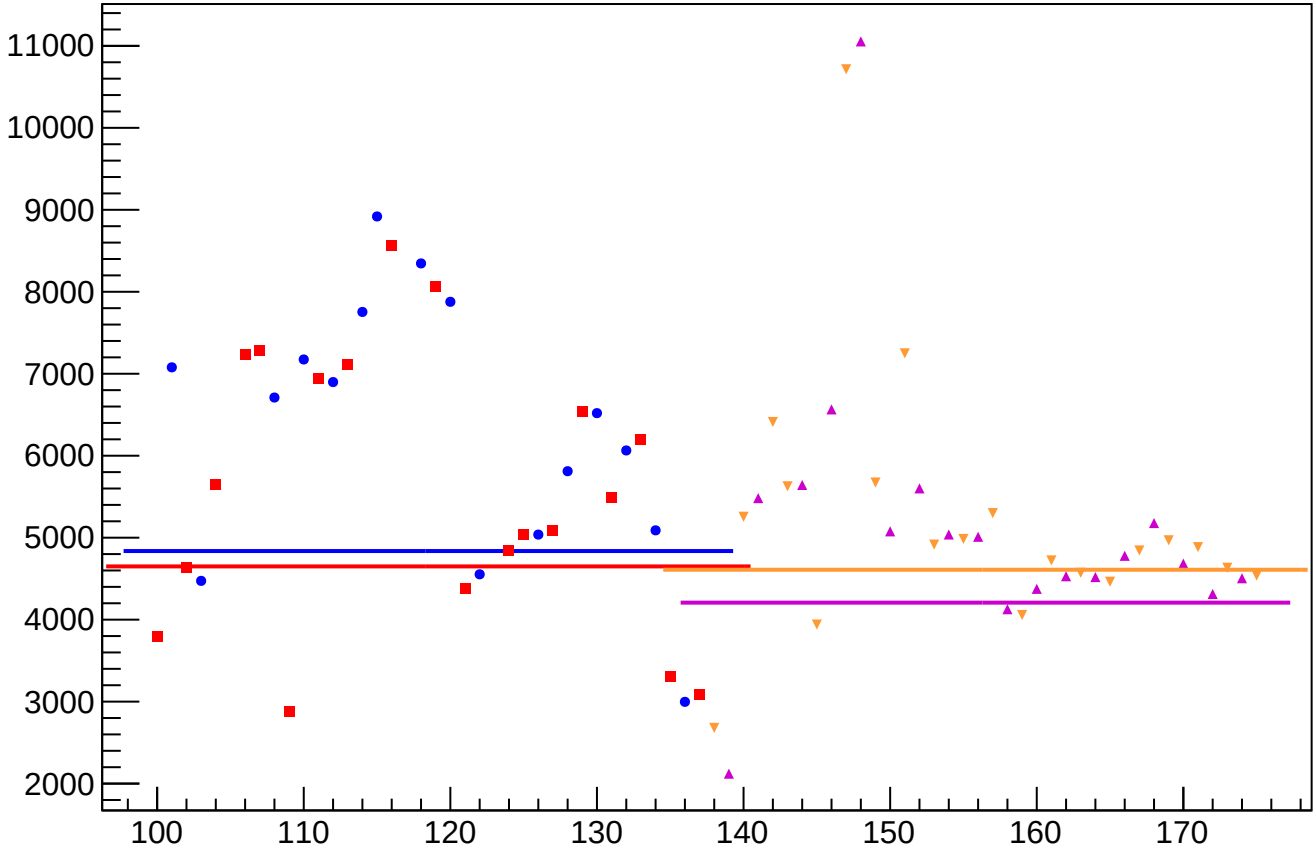
Left In: -0.688+/-1.166 χ^2/NDF:28.2/17

+ sign -1.299+/-1.023 χ^2/NDF: 27.0/35

All: -0.879+/-0.709 χ^2/NDF: 75.7/72

- sign -0.492+/-0.983 χ^2/NDF: 48.3/36

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4608.896+/-0.855 χ^2/NDF:1738010.0/19

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

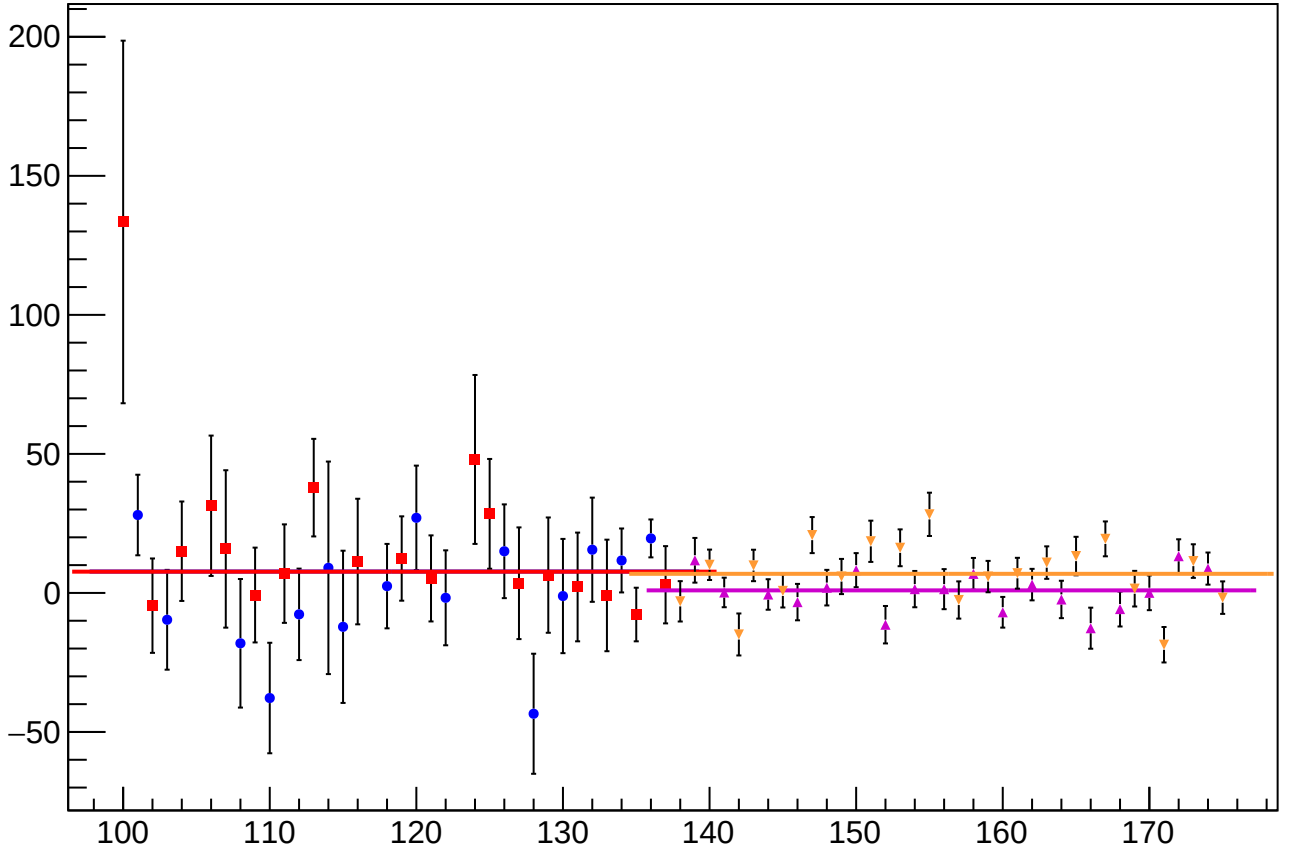
Left In: 4207.653+/-0.824 χ^2/NDF:3018823.7/17

+ sign 4673.986+/-0.723 χ^2/NDF: 3306080.1/35

All: 4497.951+/-0.501 χ^2/NDF: 7956474.2/72

- sign 4335.413+/-0.695 χ^2/NDF: 4536472.6/36

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 6.871+/-1.410 χ^2/NDF:55.4/19

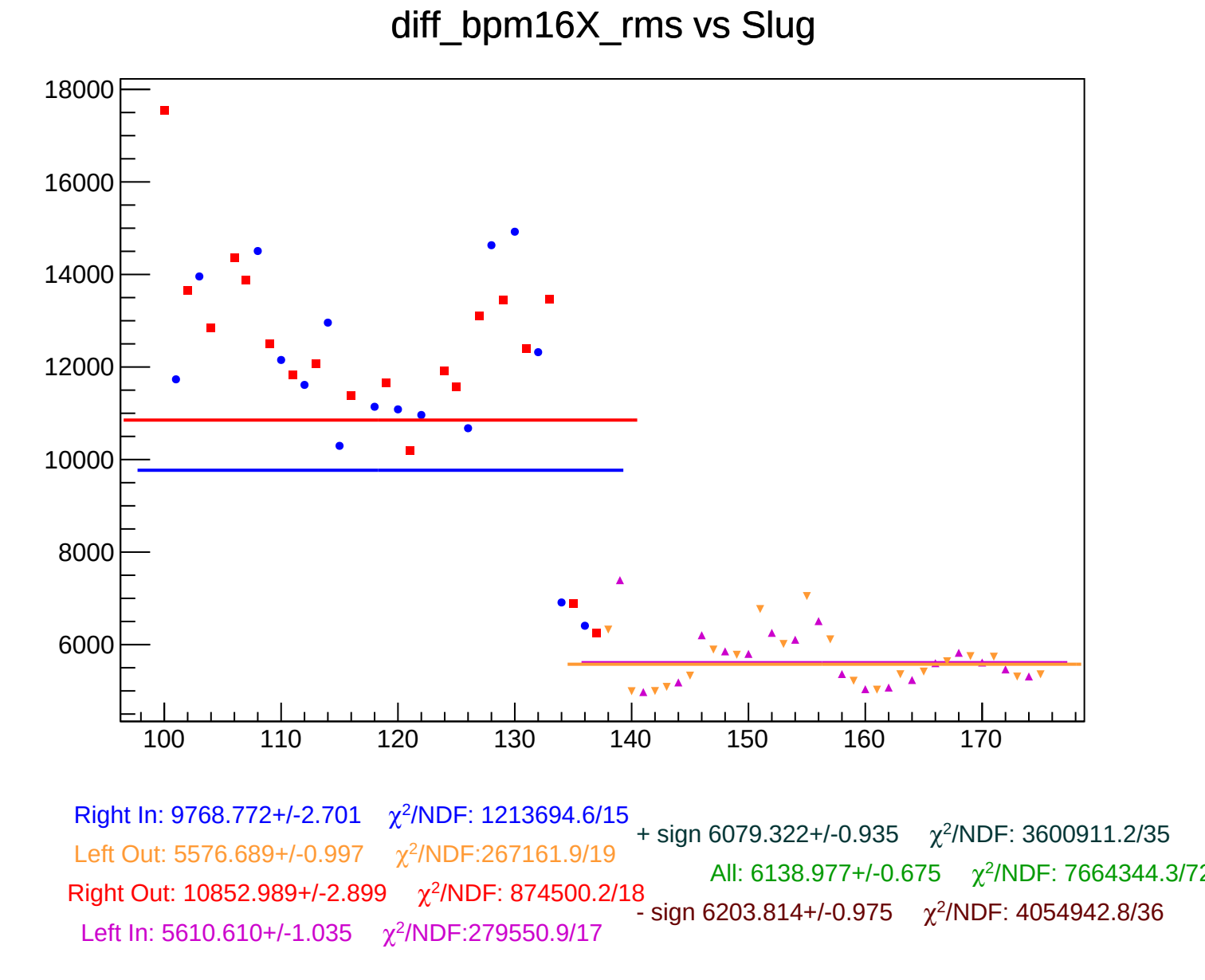
Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: 0.920+/-1.464 χ^2/NDF:21.1/17

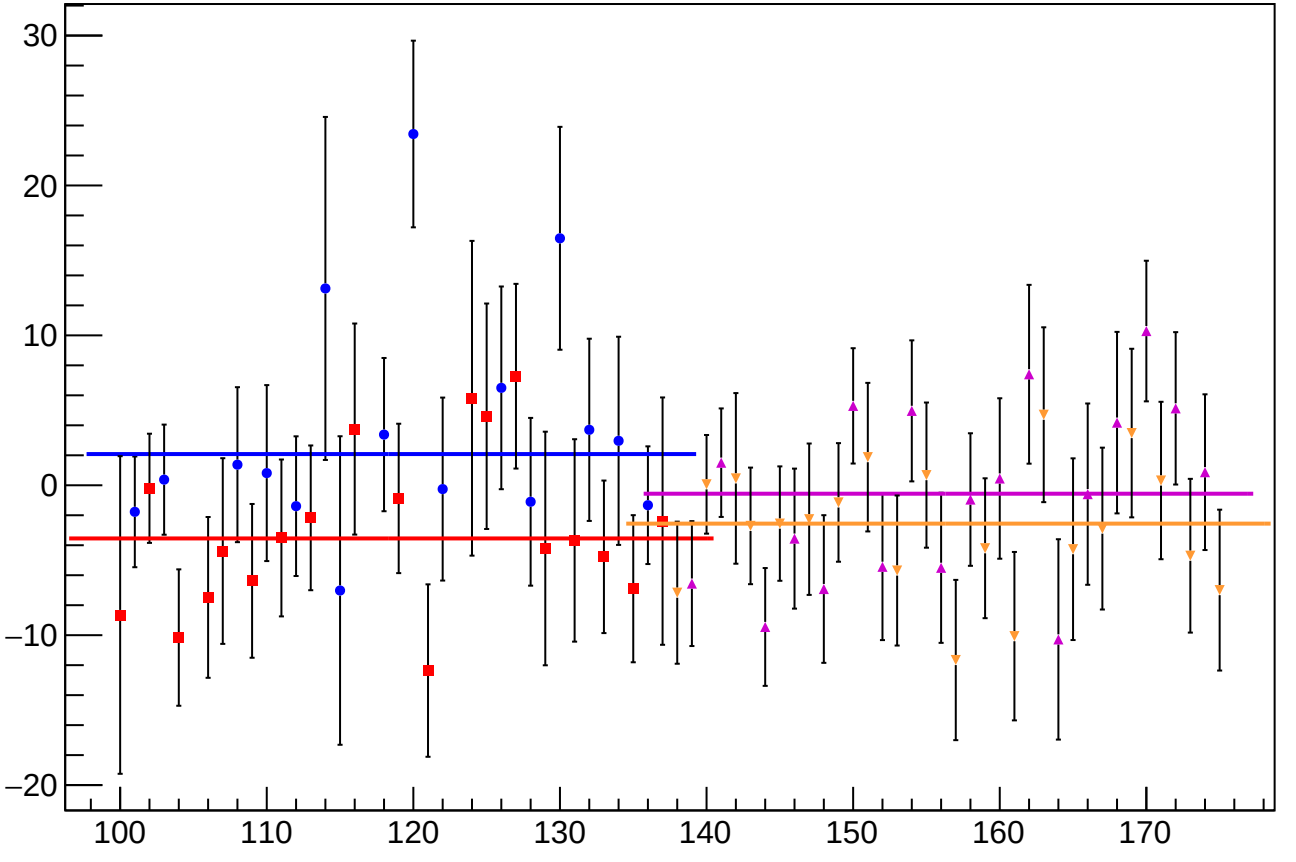
+ sign 6.971+/-1.323 χ^2/NDF: 77.0/35

All: 4.436+/-0.955 χ^2/NDF: 122.7/72

- sign 1.681+/-1.379 χ^2/NDF: 38.1/36


diff_bpm16X_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 9768.772+/-2.701 χ²/NDF: 1213694.6/15
Left Out: 5576.689+/-0.997 χ²/NDF:267161.9/19
Right Out: 10852.989+/-2.899 χ²/NDF: 874500.2/18
Left In: 5610.610+/-1.035 χ²/NDF:279550.9/17
+ sign 6079.322+/-0.935 χ²/NDF: 3600911.2/35
All: 6138.977+/-0.675 χ²/NDF: 7664344.3/72
- sign 6203.814+/-0.975 χ²/NDF: 4054942.8/36

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.558+/-1.070 χ^2/NDF:12.4/19

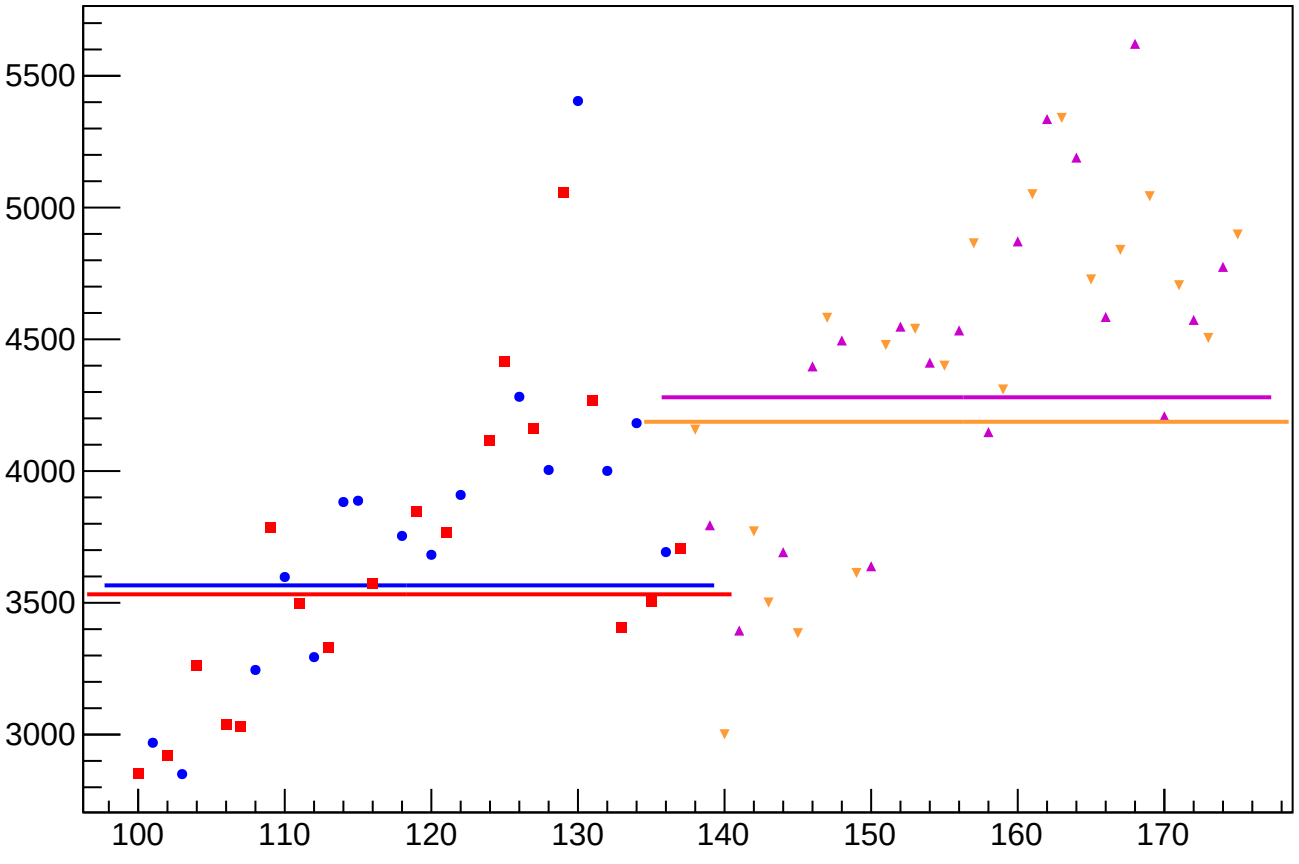
Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: -0.563+/-1.123 χ^2/NDF:26.5/17

+ sign -0.760+/-0.837 χ^2/NDF: 40.6/35

All: -1.288+/-0.597 χ^2/NDF: 84.4/72

- sign -1.833+/-0.851 χ^2/NDF: 43.0/36



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4187.012+/-0.757 χ^2/NDF:808910.5/19

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

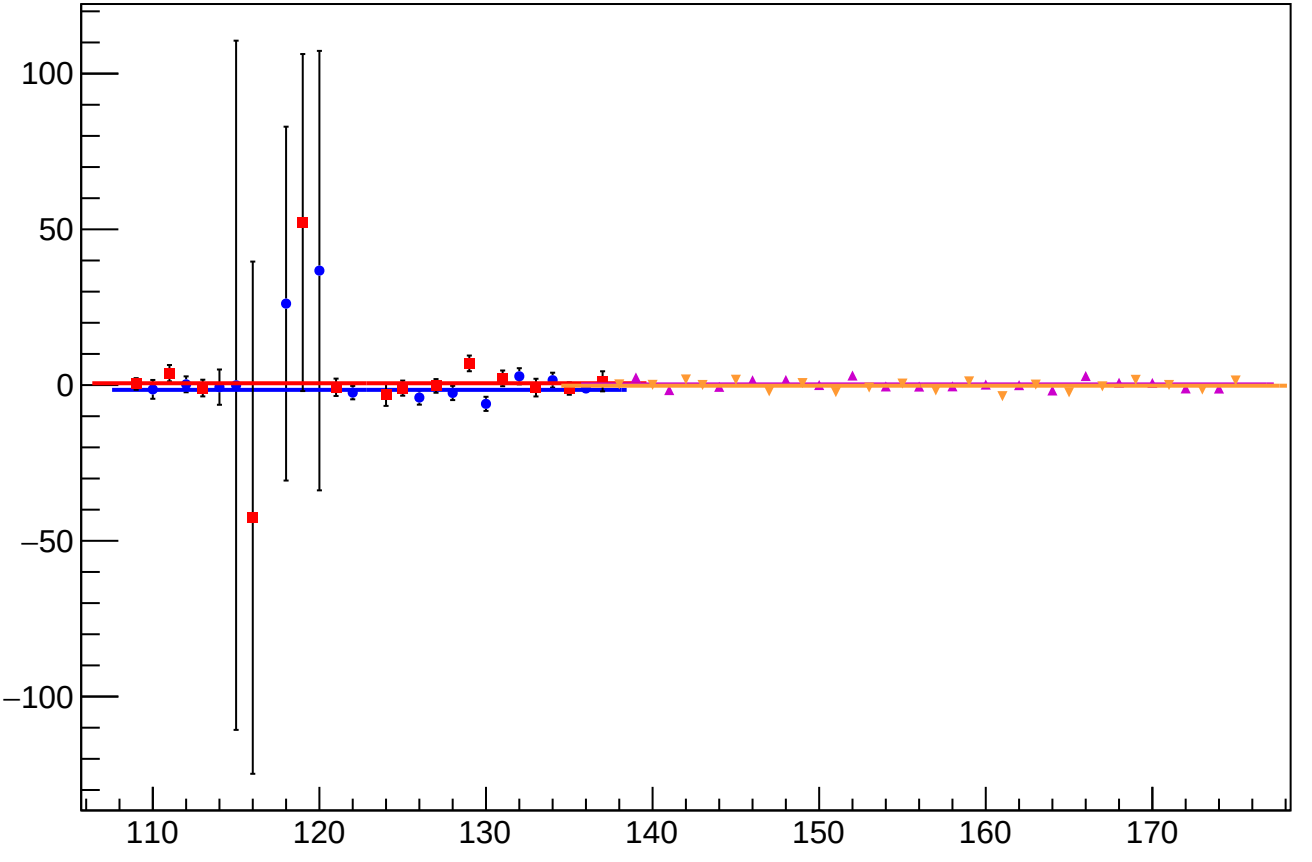
Left In: 4279.966+/-0.794 χ^2/NDF:519543.9/17

+ sign 3946.401+/-0.592 χ^2/NDF: 1410901.0/35

All: 3953.842+/-0.422 χ^2/NDF: 2586966.4/72

- sign 3961.526+/-0.602 χ^2/NDF: 1175744.5/36

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.201+/-0.257 χ^2/NDF:32.7/19

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

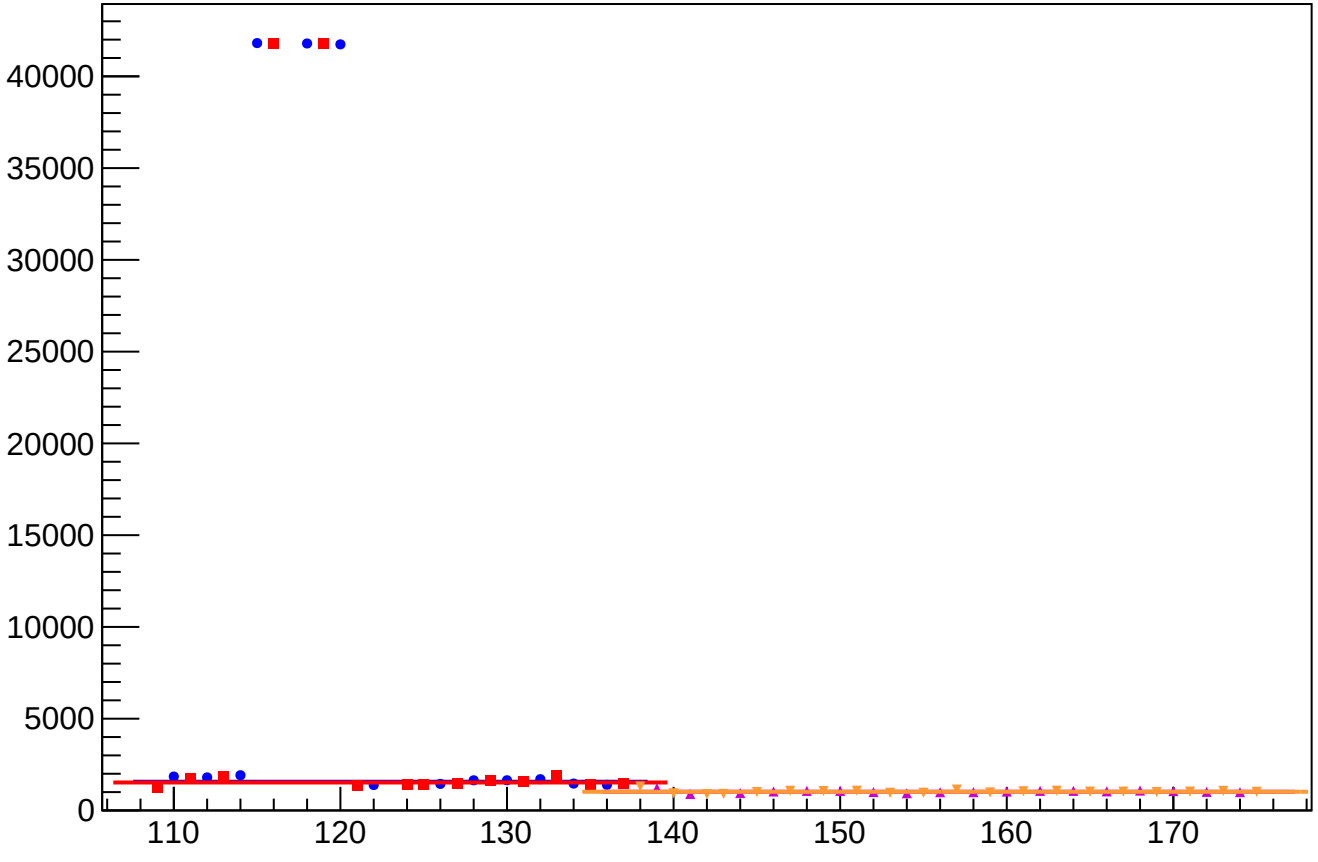
Left In: 0.220+/-0.265 χ^2/NDF:27.2/17

+ sign -0.347+/-0.242 χ^2/NDF: 46.7/32

All: -0.049+/-0.174 χ^2/NDF: 89.9/64

- sign 0.264+/-0.249 χ^2/NDF: 40.1/31

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1017.855+/-0.182 χ^2/NDF:181358.1/19

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

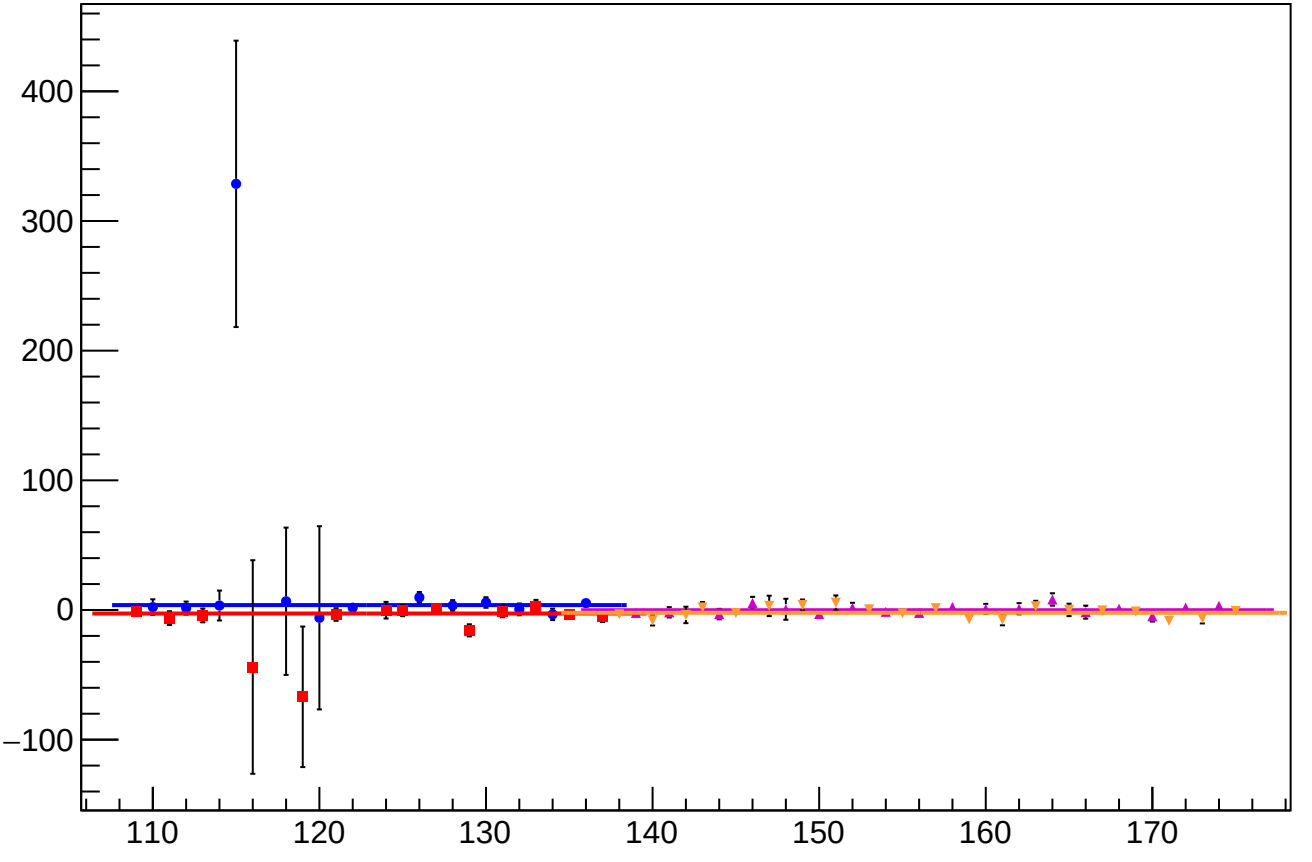
Left In: 1018.889+/-0.188 χ^2/NDF:124627.1/17

+ sign 1077.608+/-0.171 χ^2/NDF: 3189121.5/32

All: 1078.587+/-0.123 χ^2/NDF: 5925292.5/64

- sign 1079.619+/-0.176 χ^2/NDF: 2736103.9/31

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.161+/-0.860 χ^2/NDF:18.4/19

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

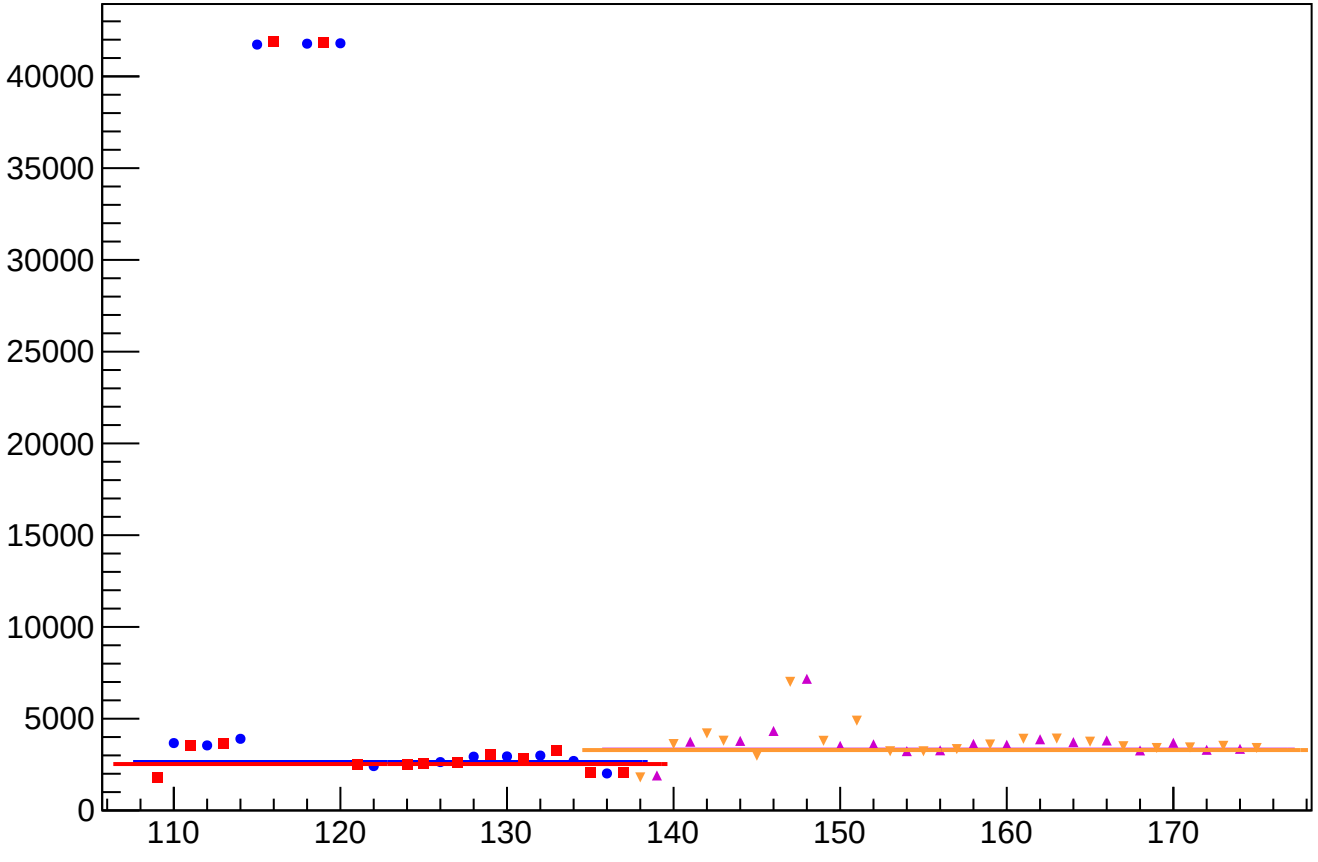
Left In: -0.185+/-0.892 χ^2/NDF:10.5/17

+ sign -0.249+/-0.708 χ^2/NDF: 48.9/32

All: -0.655+/-0.504 χ^2/NDF: 76.4/64

- sign -1.072+/-0.718 χ^2/NDF: 26.9/31

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3290.675+/-0.608 χ^2/NDF:1882572.2/19

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

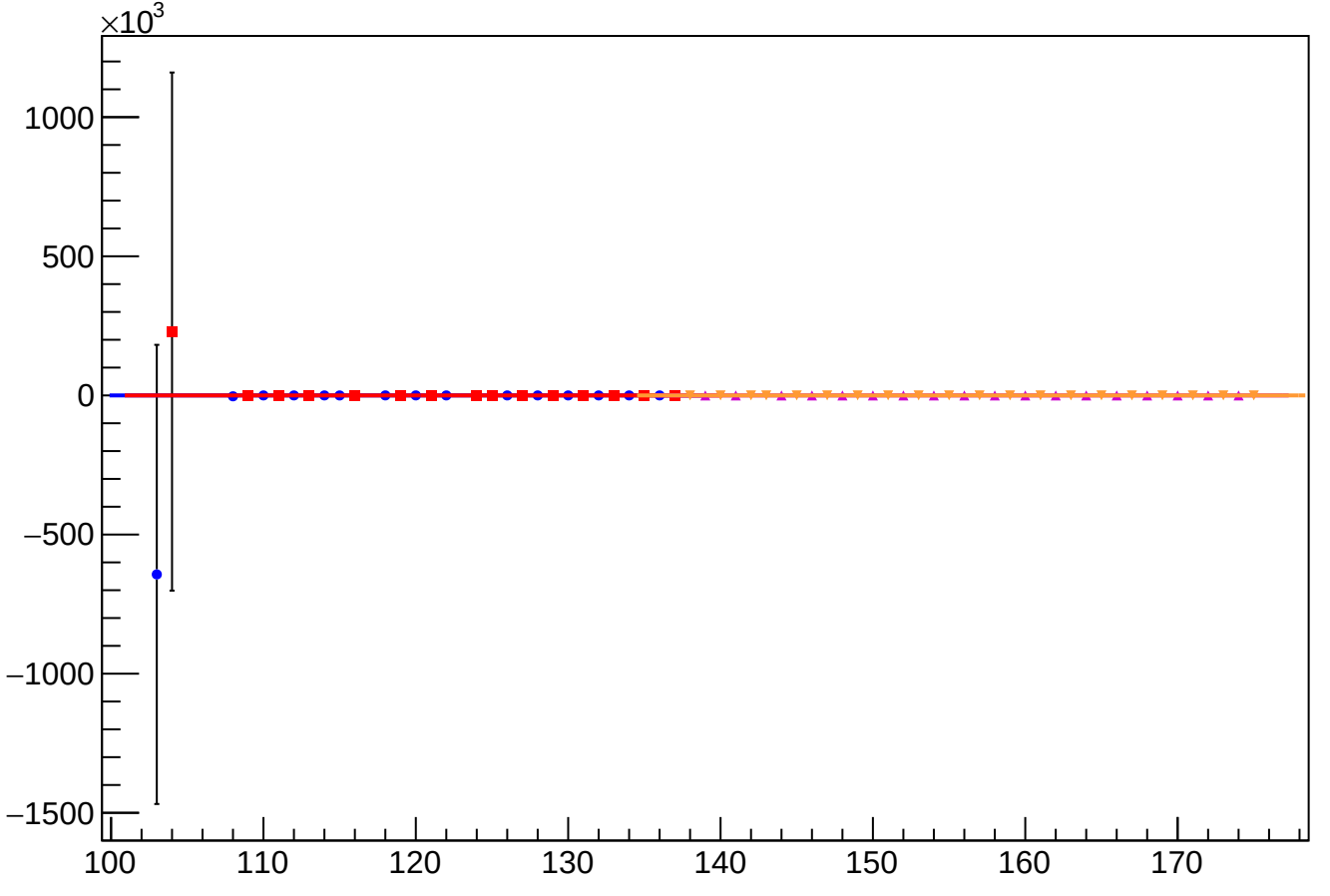
Left In: 3312.395+/-0.630 χ^2/NDF:1608645.2/17

+ sign 3081.168+/-0.501 χ^2/NDF: 4424463.2/32

All: 3059.397+/-0.357 χ^2/NDF: 8529668.1/64

- sign 3037.031+/-0.508 χ^2/NDF: 4101374.3/31

diff_bpm1p03aX_mean vs Slug



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.717+/-0.401 χ^2/NDF:46.6/19

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

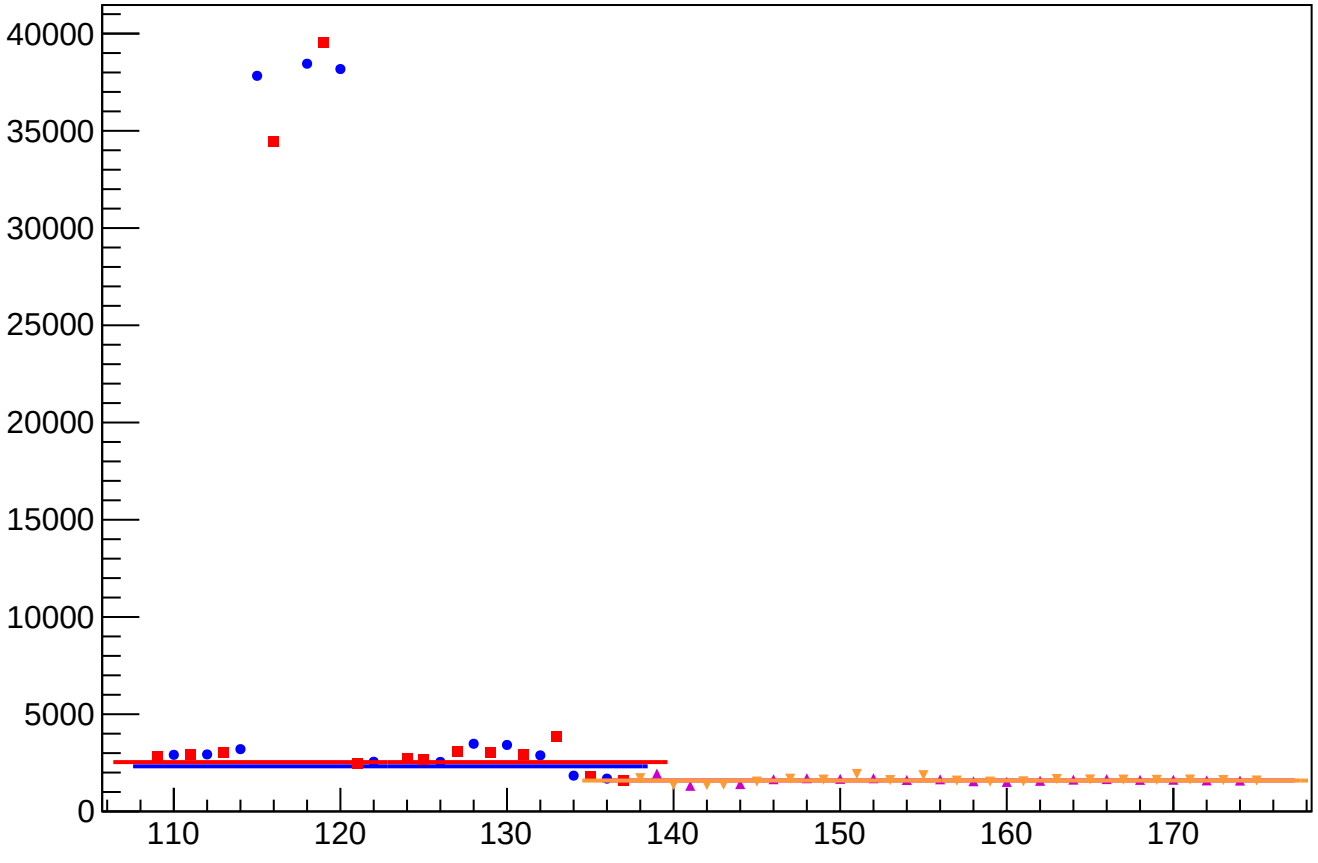
Left In: -0.100+/-0.416 χ^2/NDF:22.0/17

+ sign -1.660+/-0.378 χ^2/NDF: 65.5/34

All: -1.041+/-0.272 χ^2/NDF: 111.6/67

- sign -0.370+/-0.393 χ^2/NDF: 40.5/32

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1588.688+/-0.284 χ^2/NDF:230420.1/19

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

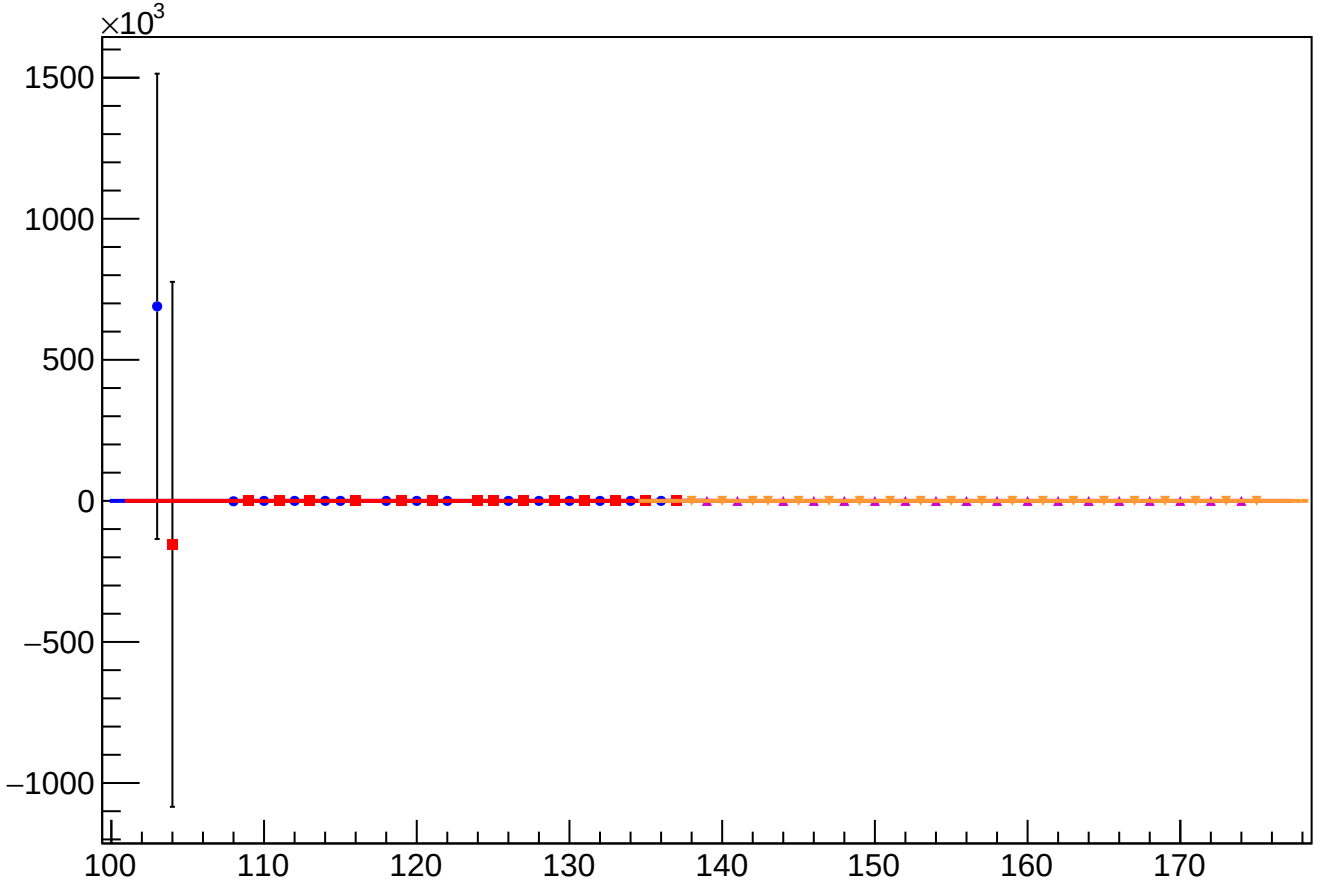
Left In: 1594.573+/-0.294 χ^2/NDF:196065.1/17

+ sign 1671.190+/-0.267 χ^2/NDF: 3442272.8/32

All: 1682.116+/-0.193 χ^2/NDF: 6764778.8/64

- sign 1693.946+/-0.278 χ^2/NDF: 3319022.7/31

diff_bpm1p03aY_mean vs Slug



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.069+/-0.555 χ^2/NDF:21.4/19

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

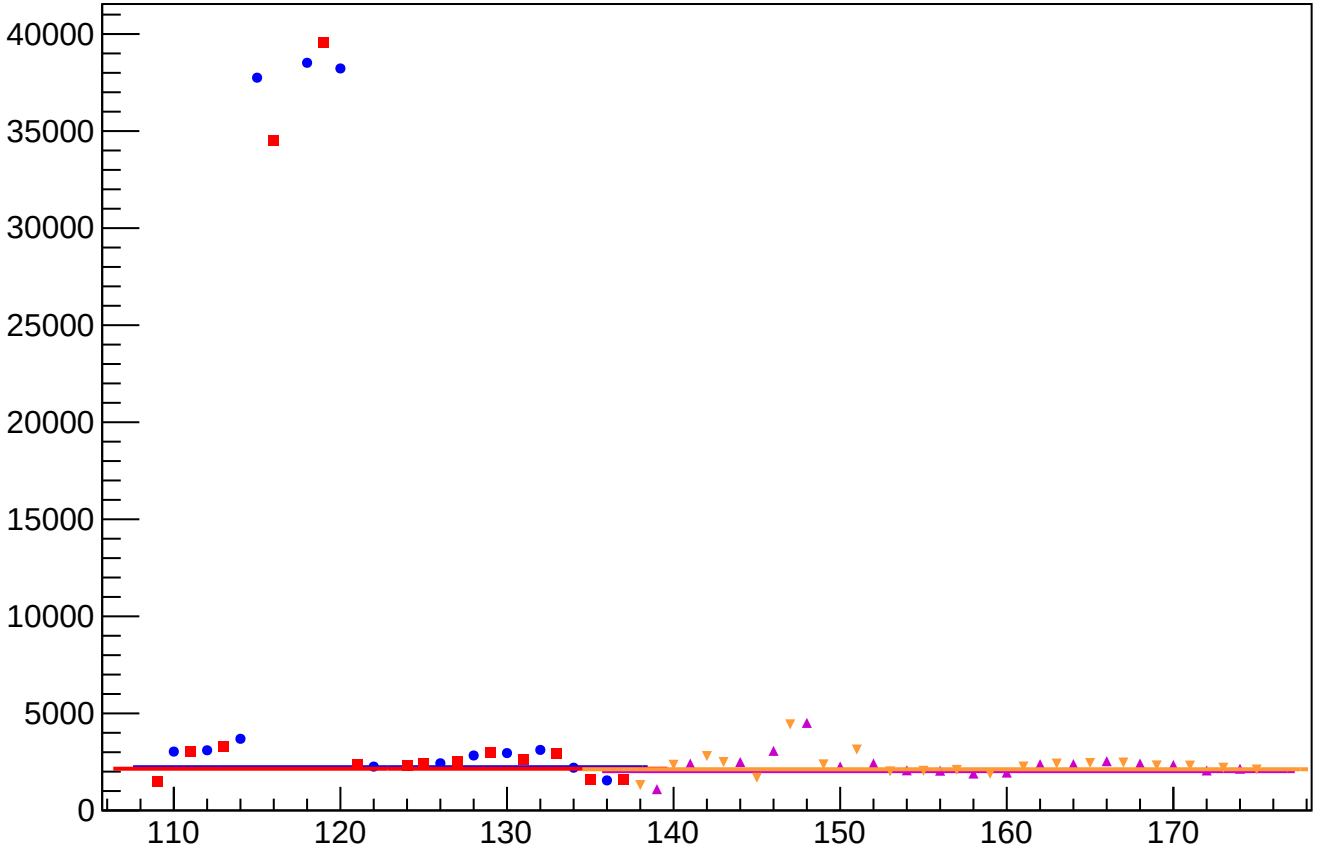
Left In: 0.117+/-0.552 χ^2/NDF:13.4/17

+ sign -0.487+/-0.493 χ^2/NDF: 31.7/34

All: -0.402+/-0.347 χ^2/NDF: 63.4/67

- sign -0.318+/-0.489 χ^2/NDF: 31.6/32

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2122.508+/-0.392 χ^2/NDF:1467776.1/19

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

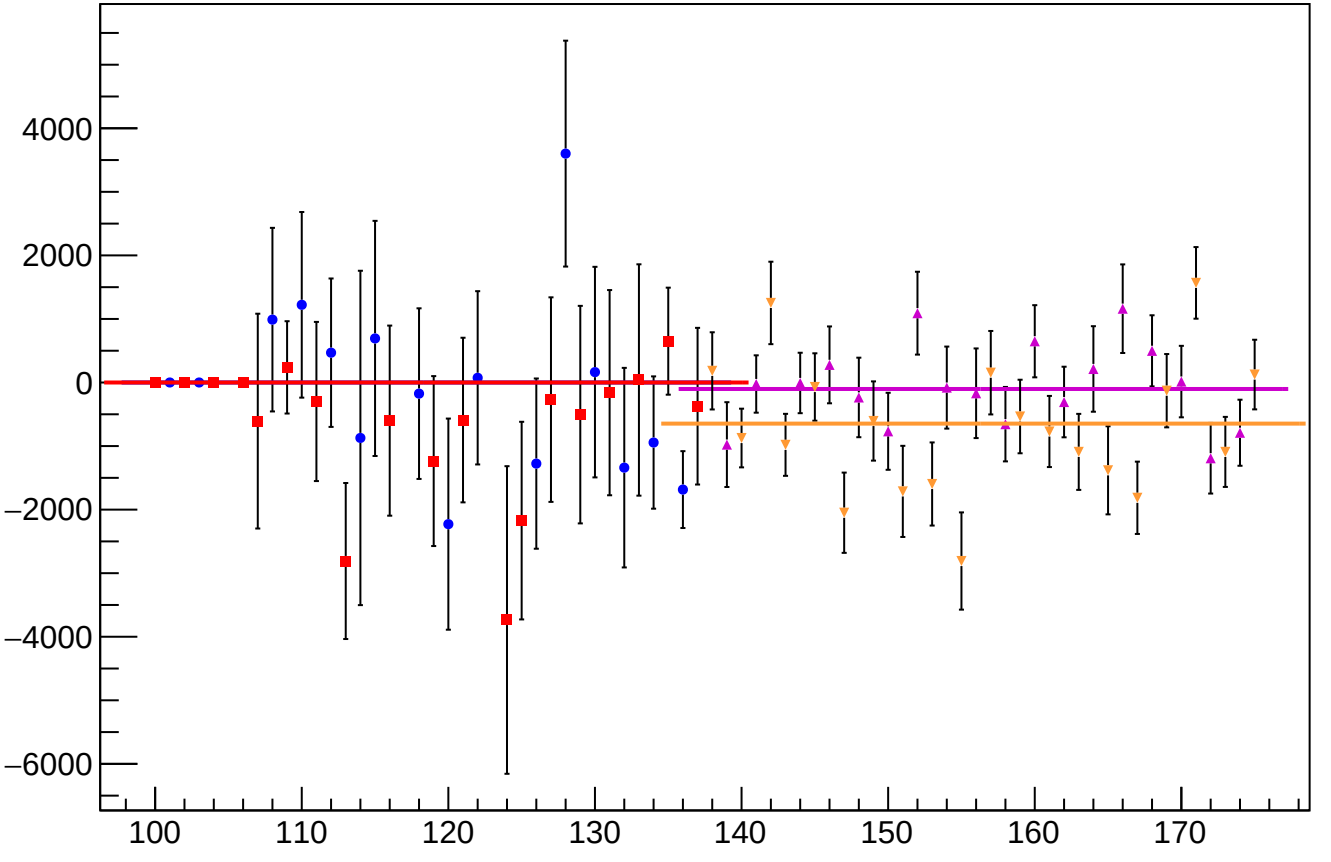
Left In: 2024.792+/-0.390 χ^2/NDF:2250314.9/17

+ sign 2144.415+/-0.349 χ^2/NDF: 4004940.9/32

All: 2097.834+/-0.245 χ^2/NDF: 8544513.5/64

- sign 2052.027+/-0.346 χ^2/NDF: 4504157.6/31

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -646.753+/-131.458 χ^2/NDF:55.9/19

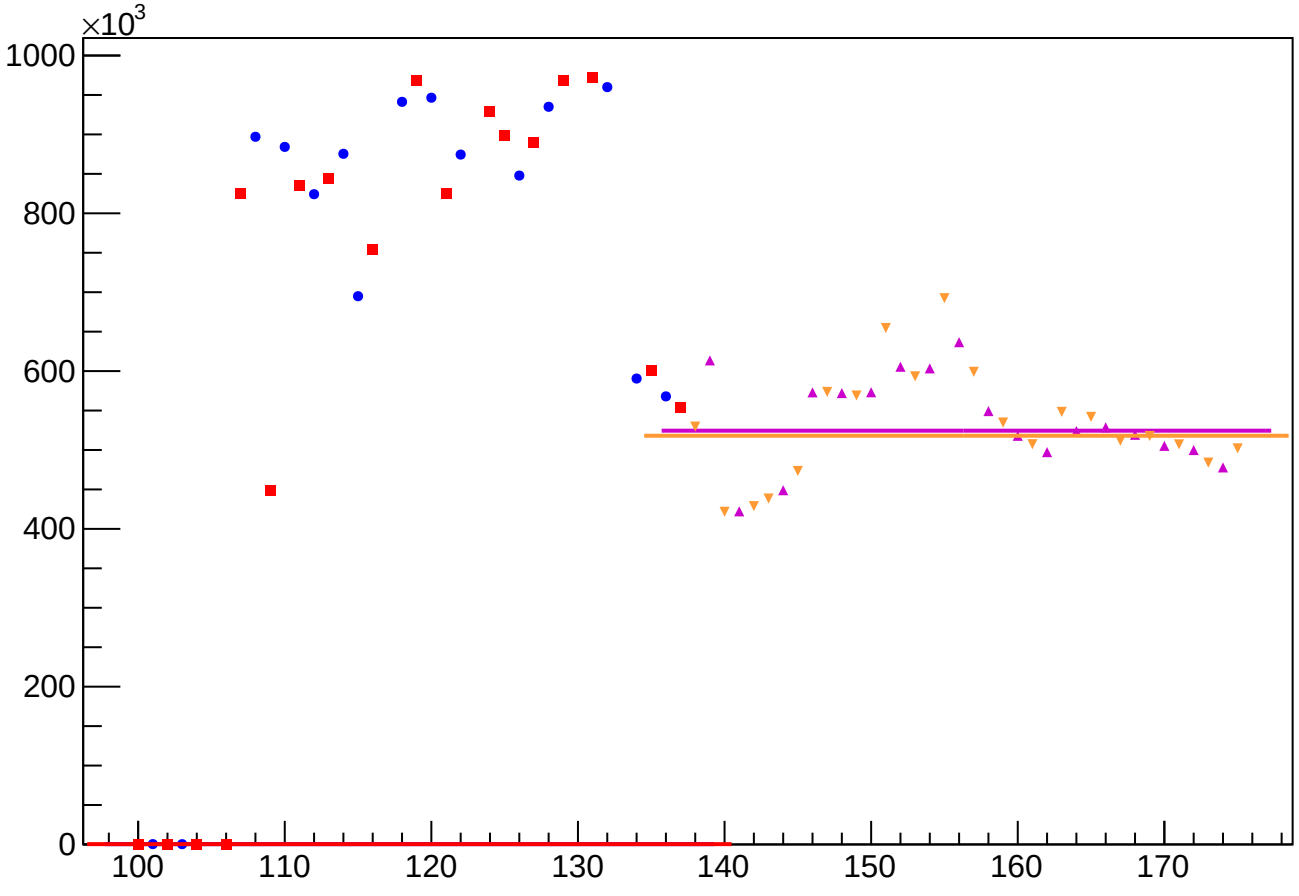
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -101.868+/-137.112 χ^2/NDF:19.9/17

+ sign 0.251+/-0.356 χ^2/NDF: 97.9/35

All: 0.167+/-0.241 χ^2/NDF: 133.8/72

- sign 0.095+/-0.328 χ^2/NDF: 35.8/36



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 518081.479+/-92.954 χ^2/NDF:475751.3/19

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

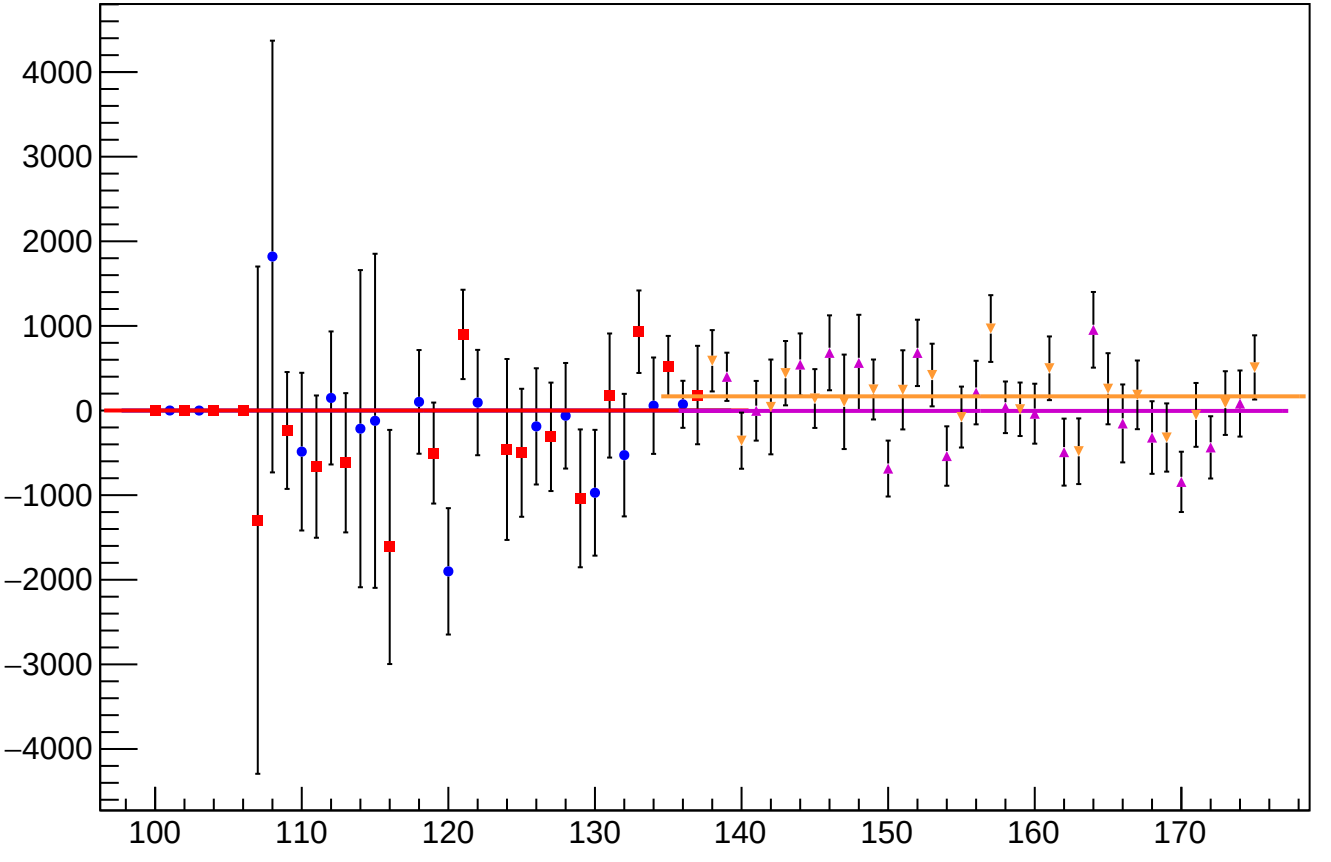
Left In: 524480.149+/-96.953 χ^2/NDF:368795.7/17

+ sign 402.670+/-0.251 χ^2/NDF: 39983395.2/34

All: 399.190+/-0.170 χ^2/NDF: 77221492.4/70

- sign 396.235+/-0.232 χ^2/NDF: 37237743.1/35

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 167.698+/-86.094 χ^2/NDF:16.1/19

Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

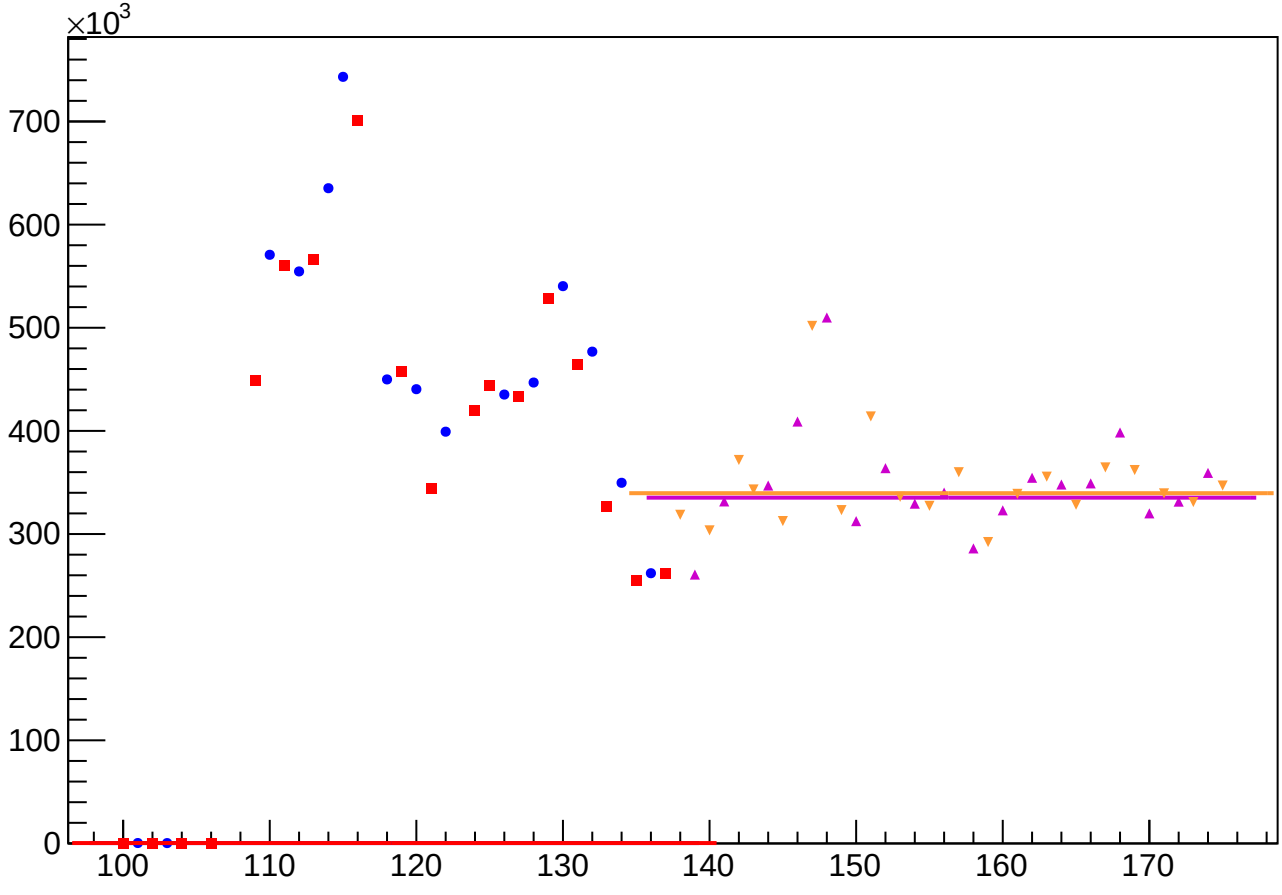
Left In: -4.562+/-88.081 χ^2/NDF:31.3/17

+ sign -0.018+/-0.347 χ^2/NDF: 30.3/35

All: 0.312+/-0.237 χ^2/NDF: 78.3/72

- sign 0.599+/-0.324 χ^2/NDF: 46.3/36

diff_cav4bY_rms vs Slug



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 339606.296+/-60.877 χ^2/NDF:346163.6/19

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

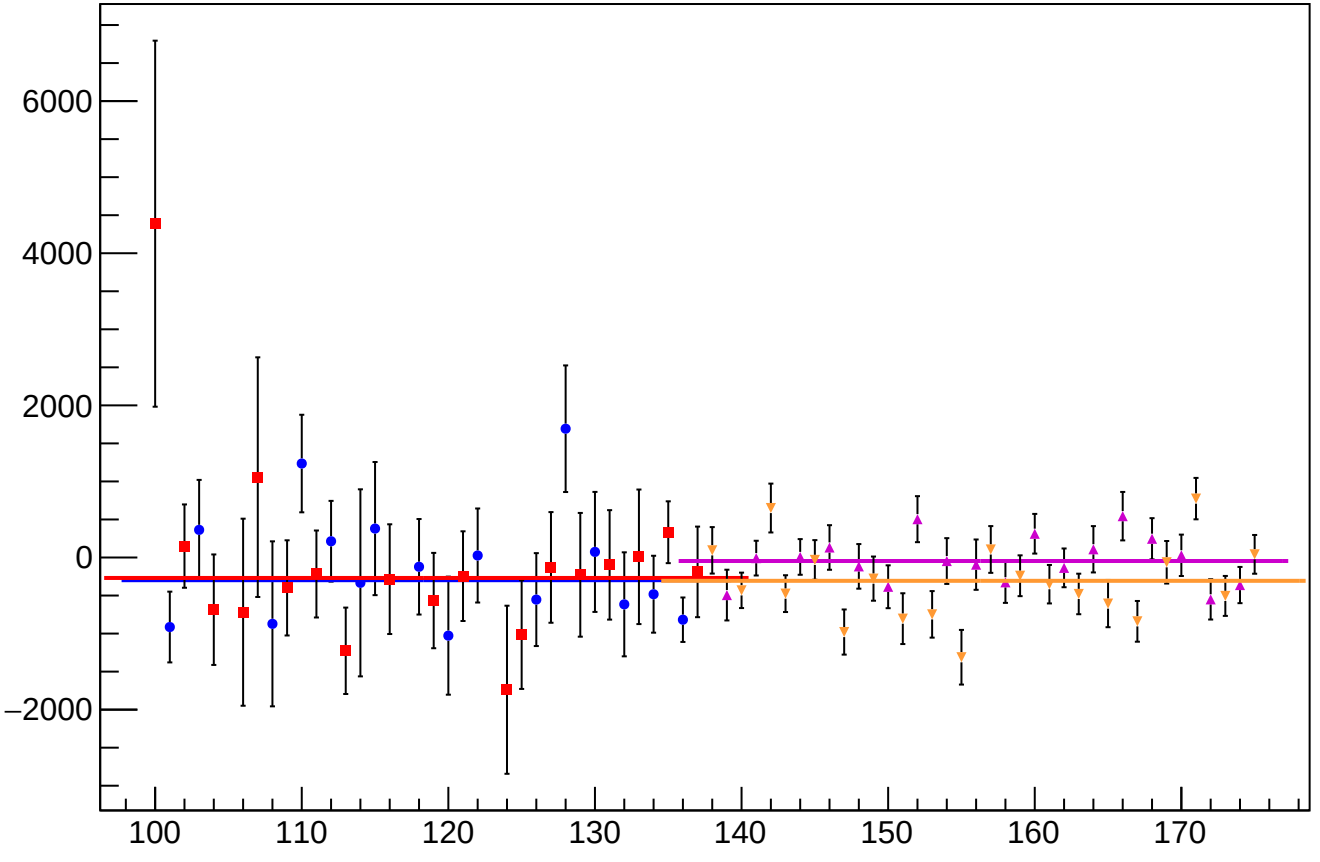
Left In: 335275.269+/-62.286 χ^2/NDF:522360.4/17

+ sign 395.790+/-0.245 χ^2/NDF: 42526492.9/34

All: 394.036+/-0.167 χ^2/NDF: 83030502.0/70

- sign 392.509+/-0.229 χ^2/NDF: 40503913.5/35

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -306.510+/-62.495 χ^2/NDF:55.9/19

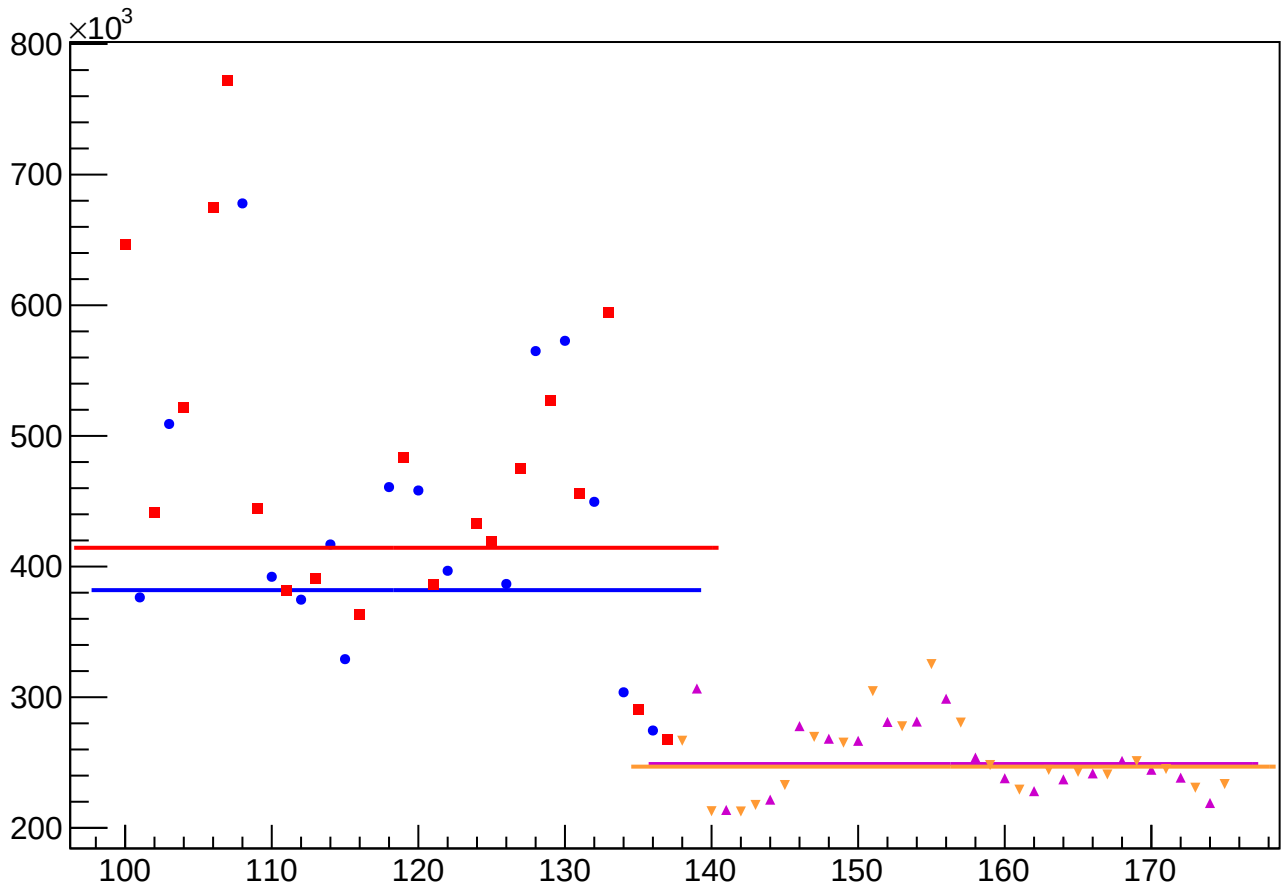
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -45.972+/-64.984 χ^2/NDF:20.5/17

+ sign -305.253+/-57.535 χ^2/NDF: 77.1/35

All: -196.776+/-41.534 χ^2/NDF: 120.6/72

- sign -78.726+/-60.021 χ^2/NDF: 36.1/36



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 246865.988+/-44.191 χ^2/NDF:353726.6/19

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

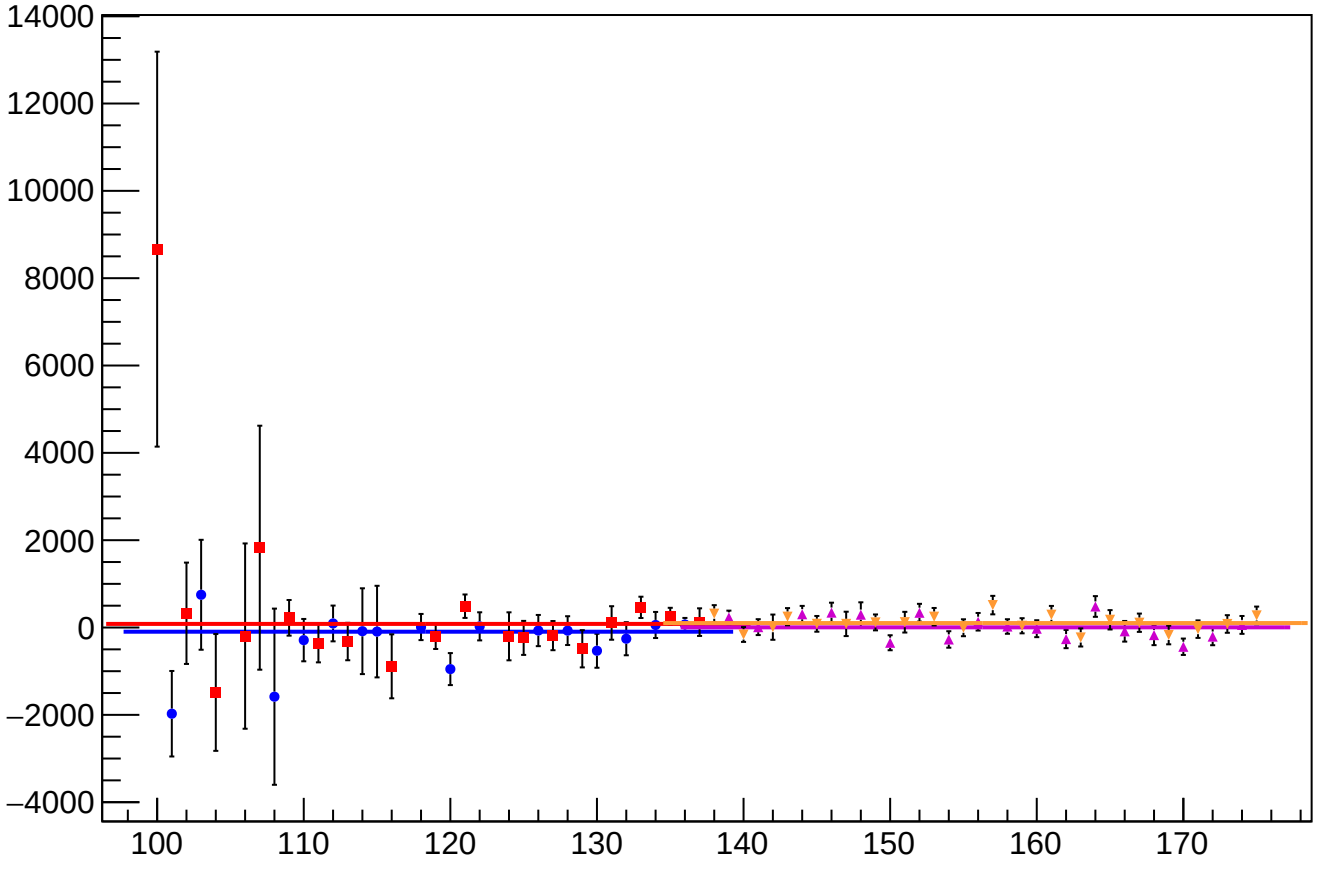
Left In: 248852.790+/-45.951 χ^2/NDF:319016.7/17

+ sign 267451.996+/-40.685 χ^2/NDF: 2614290.0/35

All: 270186.888+/-29.370 χ^2/NDF: 5608594.

- sign 273163.213+/-42.443 χ^2/NDF: 2984867.9/36

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 102.402+/-45.442 χ^2/NDF:15.4/19

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

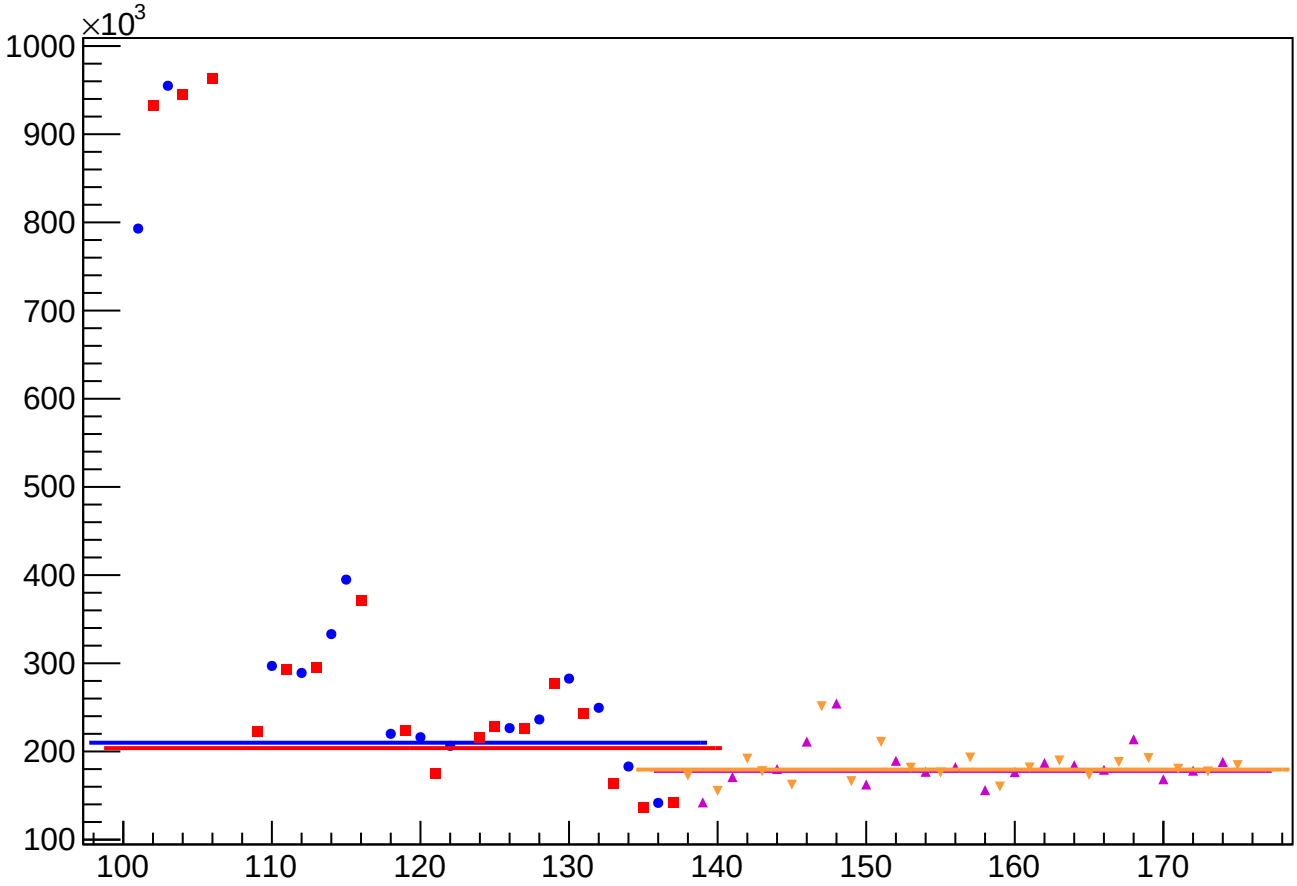
Left In: 4.157+/-46.639 χ^2/NDF:30.7/17

+ sign 60.865+/-40.402 χ^2/NDF: 33.1/35

All: 41.588+/-28.825 χ^2/NDF: 84.0/72

- sign 21.603+/-41.138 χ^2/NDF: 50.4/36

diff_cav4cY_rms vs Slug



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 179462.271+/-32.132 χ^2/NDF:295713.9/19

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

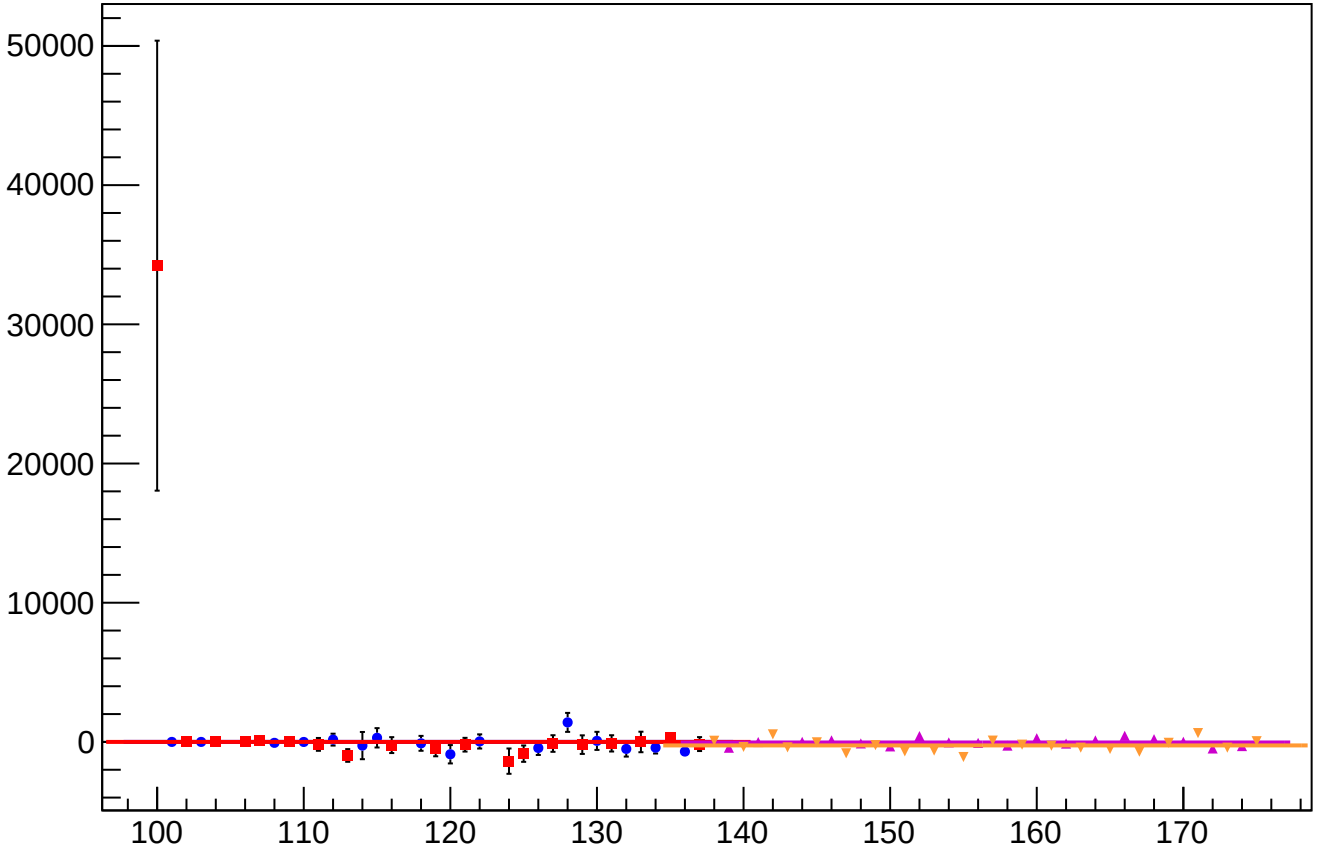
Left In: 177955.897+/-32.979 χ^2/NDF:419005.7/17

+ sign 185827.988+/-28.579 χ^2/NDF: 2443452.6/34

All: 184768.271+/-20.392 χ^2/NDF: 5071463.

- sign 183669.173+/-29.105 χ^2/NDF: 2625209.8/34

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -252.095+/-52.208 χ^2/NDF:55.9/19

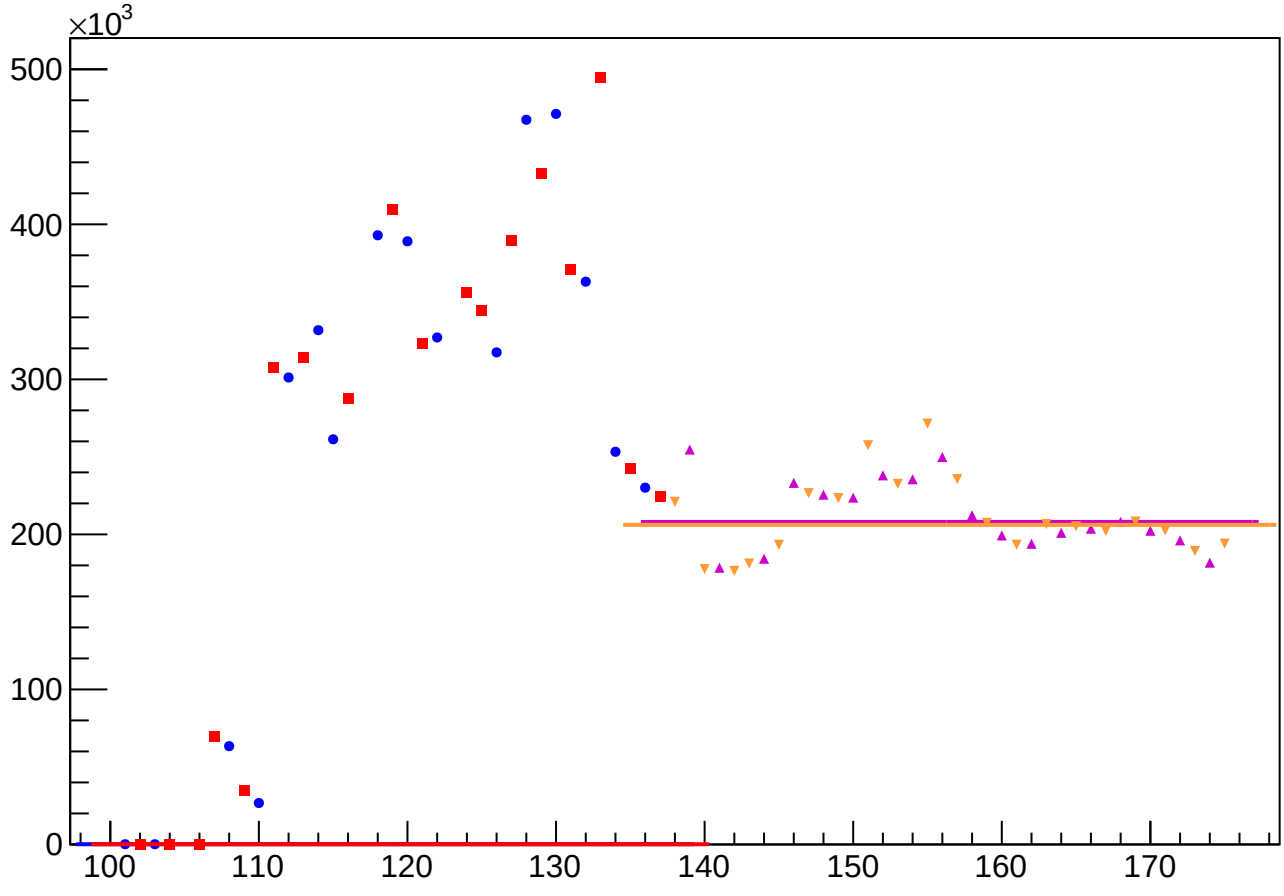
Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: -41.162+/-54.337 χ^2/NDF:20.5/17

+ sign -0.038+/-0.172 χ^2/NDF: 97.3/35

All: -0.208+/-0.117 χ^2/NDF: 136.7/72

- sign -0.355+/-0.160 χ^2/NDF: 37.6/36



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 206159.881+/-36.916 χ^2/NDF:371928.7/19

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

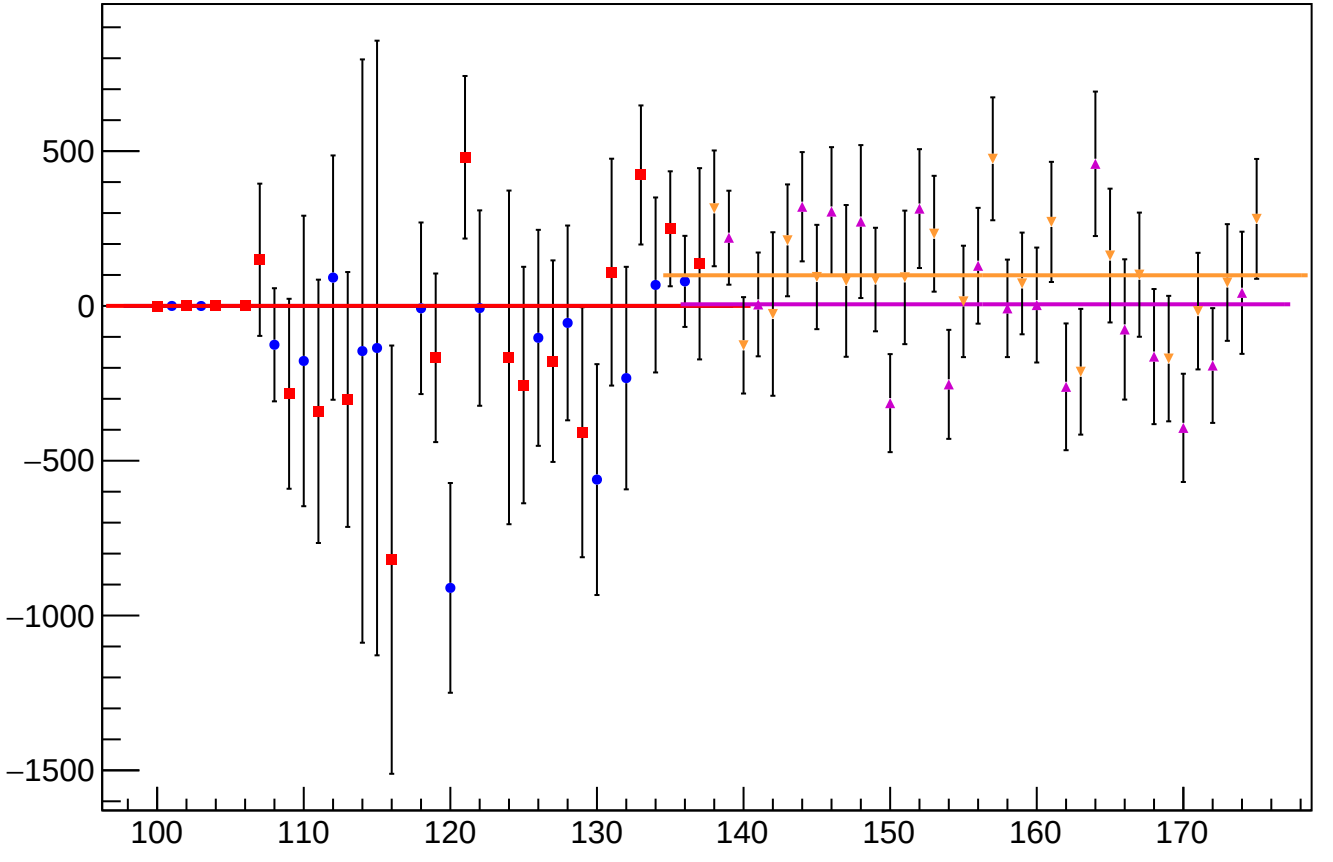
Left In: 208045.936+/-38.422 χ^2/NDF:328515.7/17

+ sign 151.335+/-0.122 χ^2/NDF: 42815124.5/35

All: 151.254+/-0.083 χ^2/NDF: 83709415.8/71

- sign 151.184+/-0.113 χ^2/NDF: 40894290.5/35

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 98.957+/-42.627 χ^2/NDF:14.7/19

Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

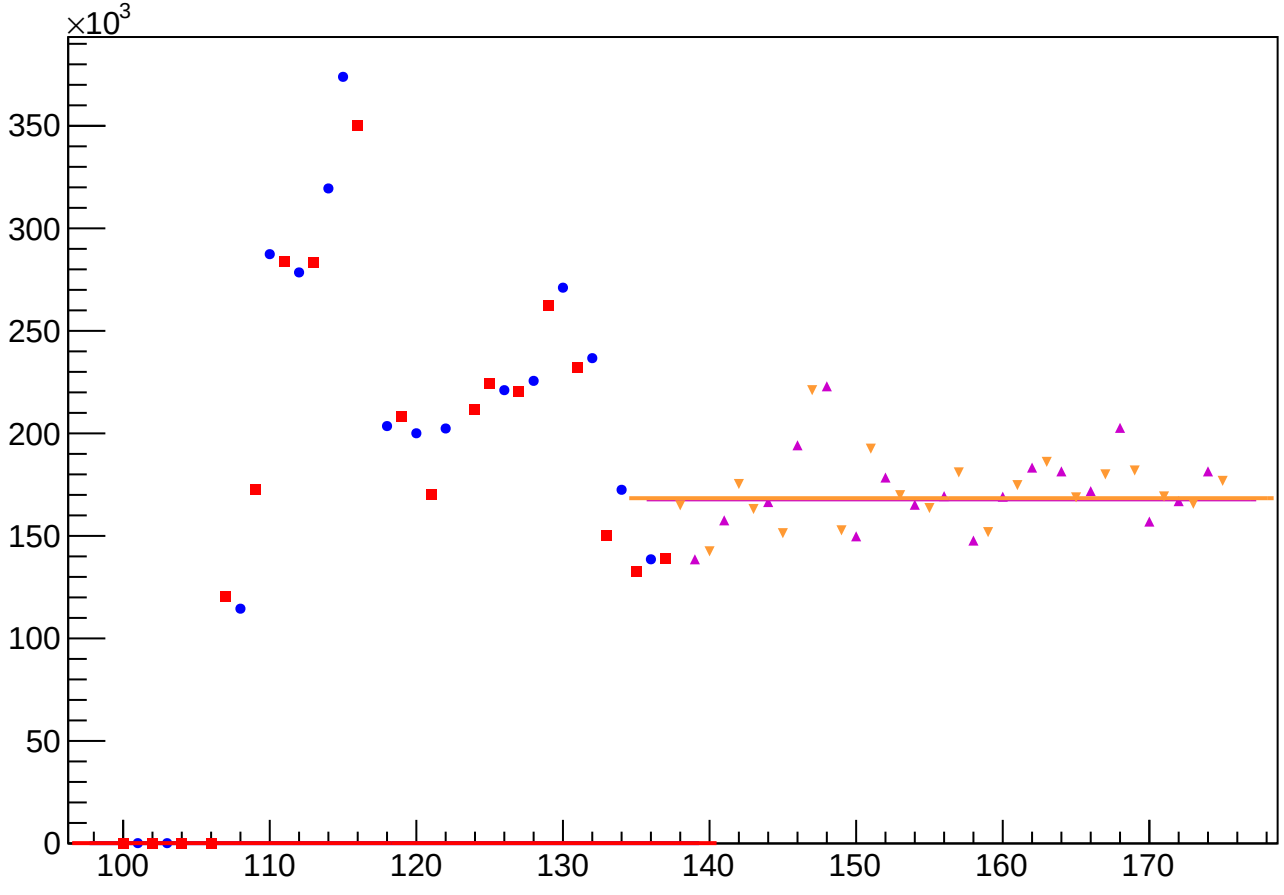
Left In: 5.259+/-43.933 χ^2/NDF:30.3/17

+ sign -0.066+/-0.177 χ^2/NDF: 31.3/35

All: 0.036+/-0.121 χ^2/NDF: 77.5/72

- sign 0.126+/-0.166 χ^2/NDF: 45.5/36

diff_cav4dY_rms vs Slug



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 168390.613+/-30.142 χ^2/NDF:281891.8/19

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

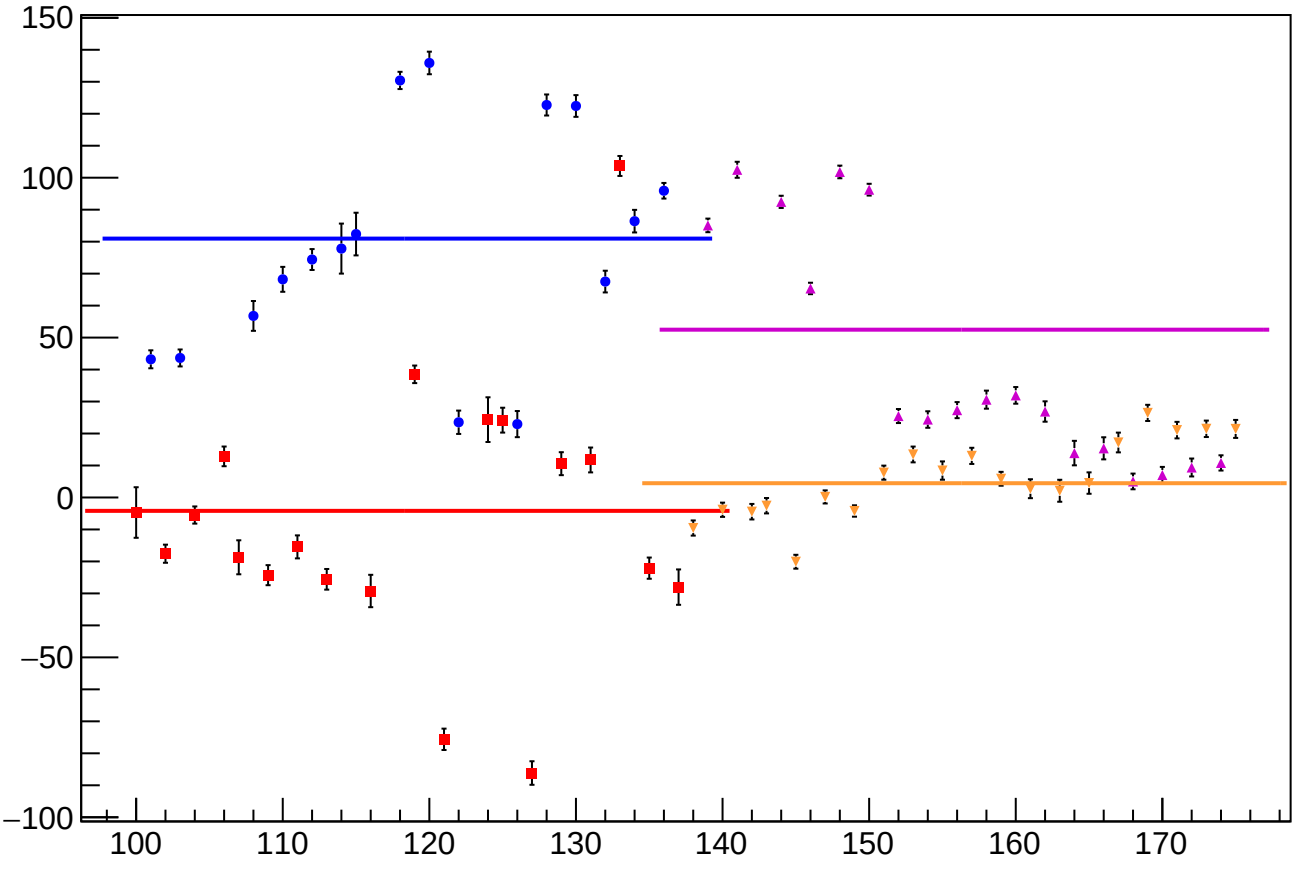
Left In: 167823.455+/-31.066 χ^2/NDF:366299.5/17

+ sign 156.368+/-0.125 χ^2/NDF: 43339491.8/35

All: 157.535+/-0.086 χ^2/NDF: 84166212.3/72

- sign 158.565+/-0.118 χ^2/NDF: 40826557.3/36

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 4.461+/-0.548 χ^2/NDF:471.3/19

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

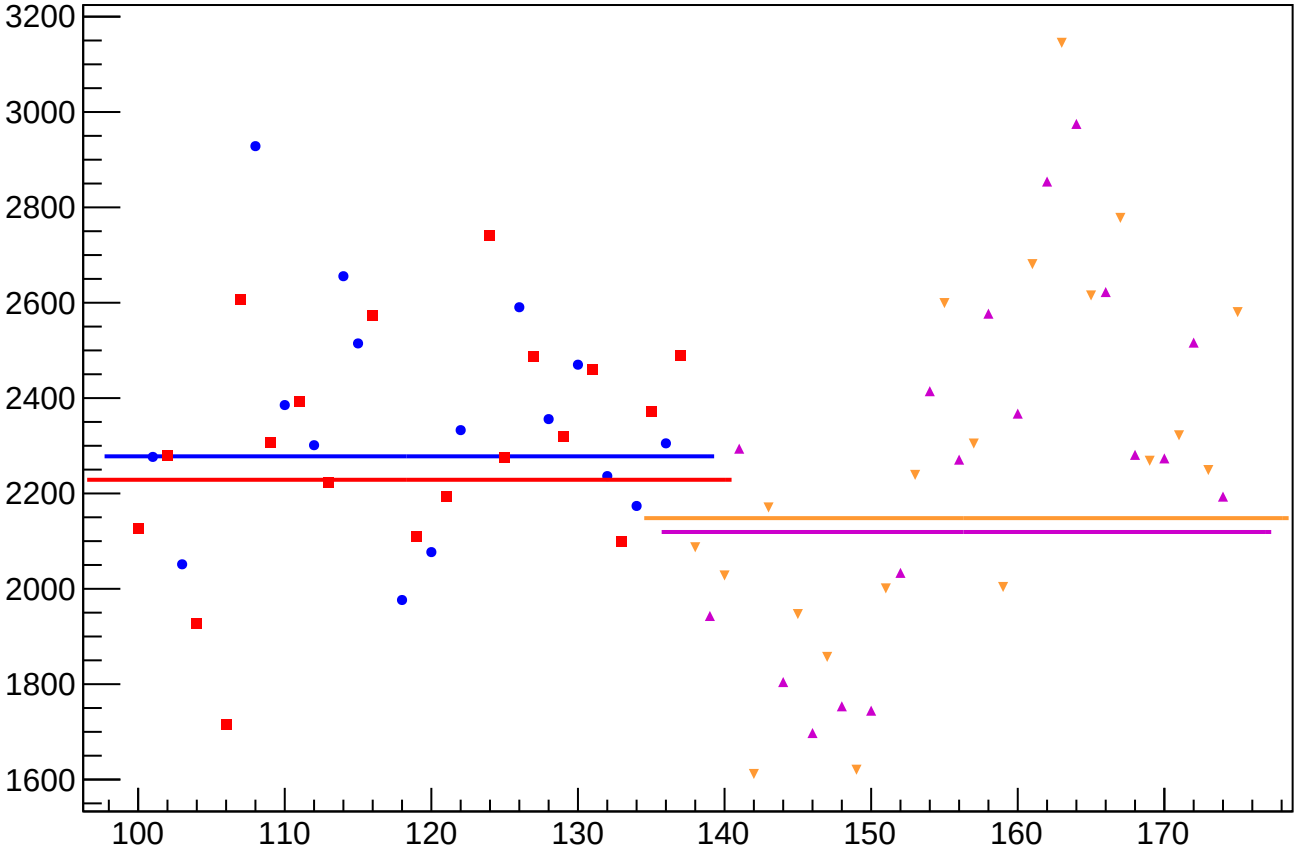
Left In: 52.472+/-0.561 χ^2/NDF:4319.9/17

\+ sign 26.876+/-0.461 χ^2/NDF: 7991.2/35

All: 30.632+/-0.327 χ^2/NDF: 18416.1/72

\- sign 34.421+/-0.463 χ^2/NDF: 10291.5/36

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2148.248+/-0.388 χ^2/NDF:835543.0/19

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

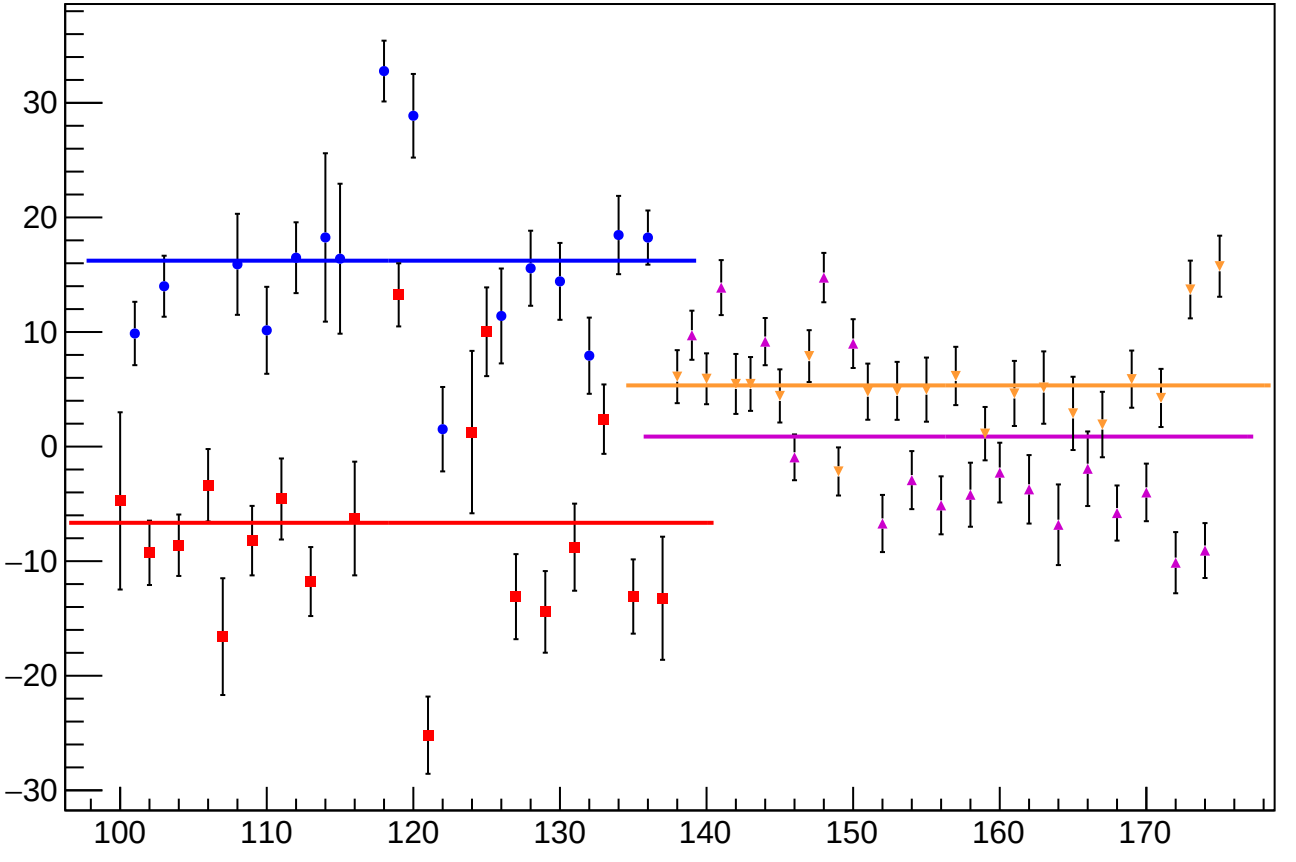
Left In: 2119.177+/-0.397 χ^2/NDF:753550.0/17

+ sign 2186.230+/-0.326 χ^2/NDF: 984082.4/35

All: 2170.220+/-0.231 χ^2/NDF: 1917915.5/72

- sign 2154.070+/-0.327 χ^2/NDF: 928985.7/36

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.340+/-0.561 χ^2/NDF:46.5/19

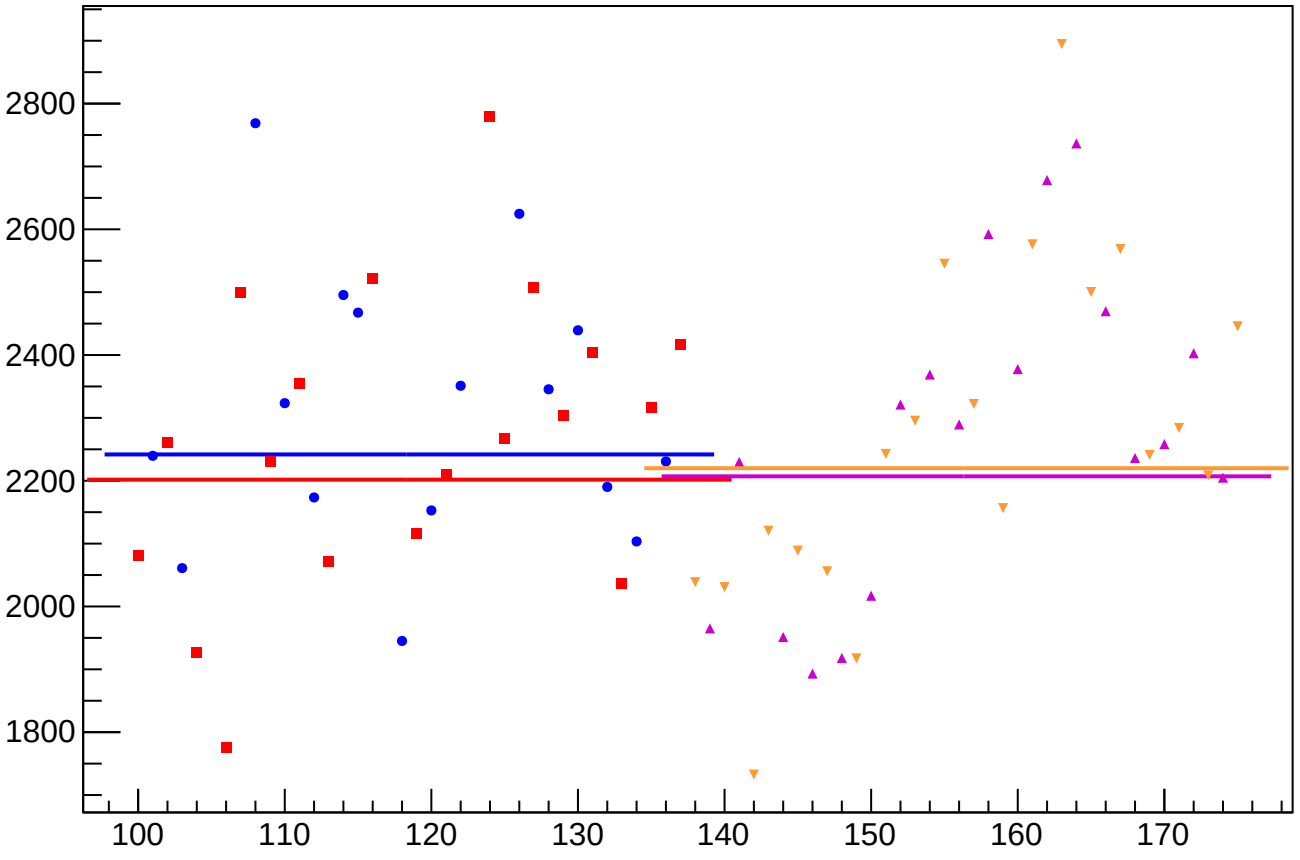
Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: 0.873+/-0.578 χ^2/NDF:194.8/17

+ sign 8.715+/-0.466 χ^2/NDF: 247.5/35

All: 3.567+/-0.331 χ^2/NDF: 879.9/72

- sign -1.669+/-0.470 χ^2/NDF: 386.7/36



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2219.940+/-0.397 χ^2/NDF:375567.3/19

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

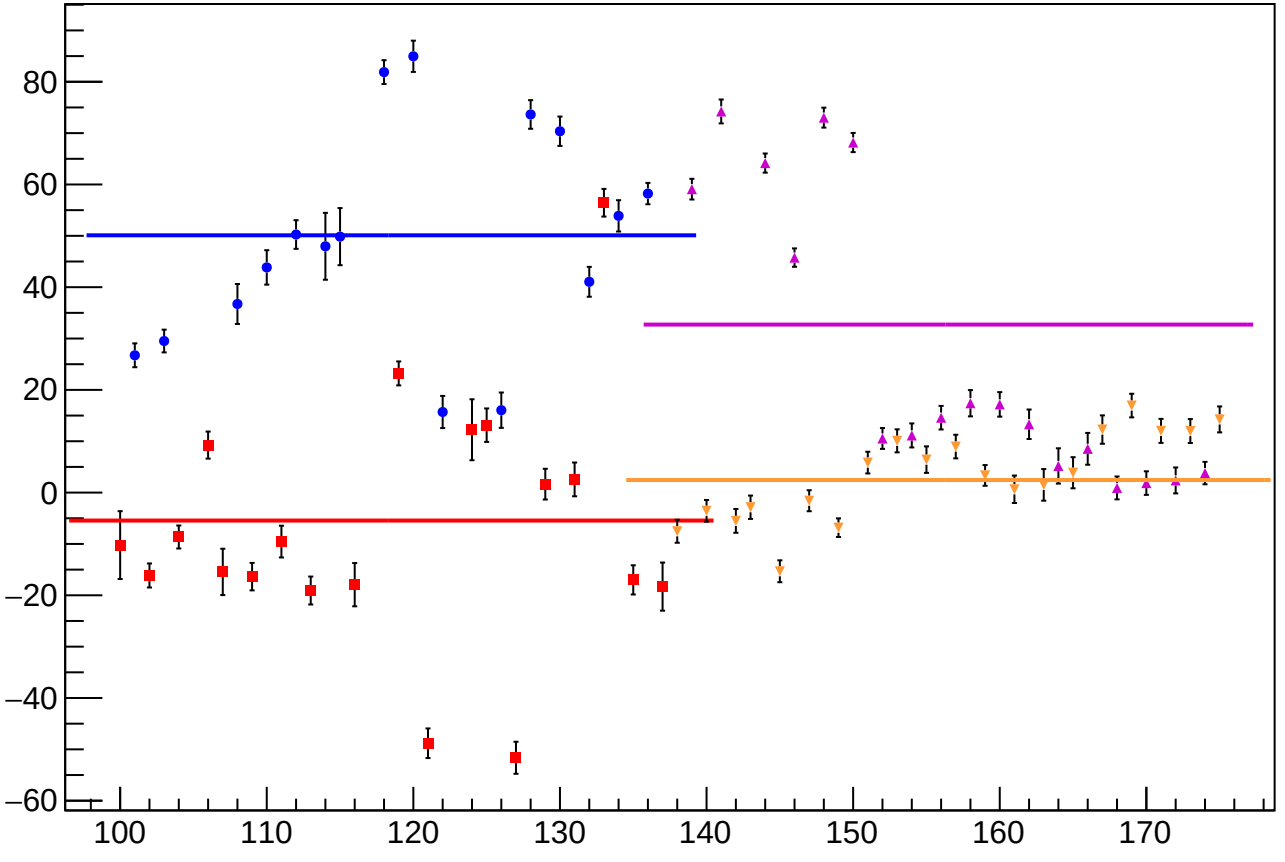
Left In: 2207.013+/-0.409 χ^2/NDF:338653.2/17

+ sign 2226.733+/-0.330 χ^2/NDF: 478772.4/35

All: 2216.074+/-0.234 χ^2/NDF: 949472.1/72

- sign 2205.231+/-0.333 χ^2/NDF: 468592.0/36

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 2.445+/-0.515 χ^2/NDF:278.0/19

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

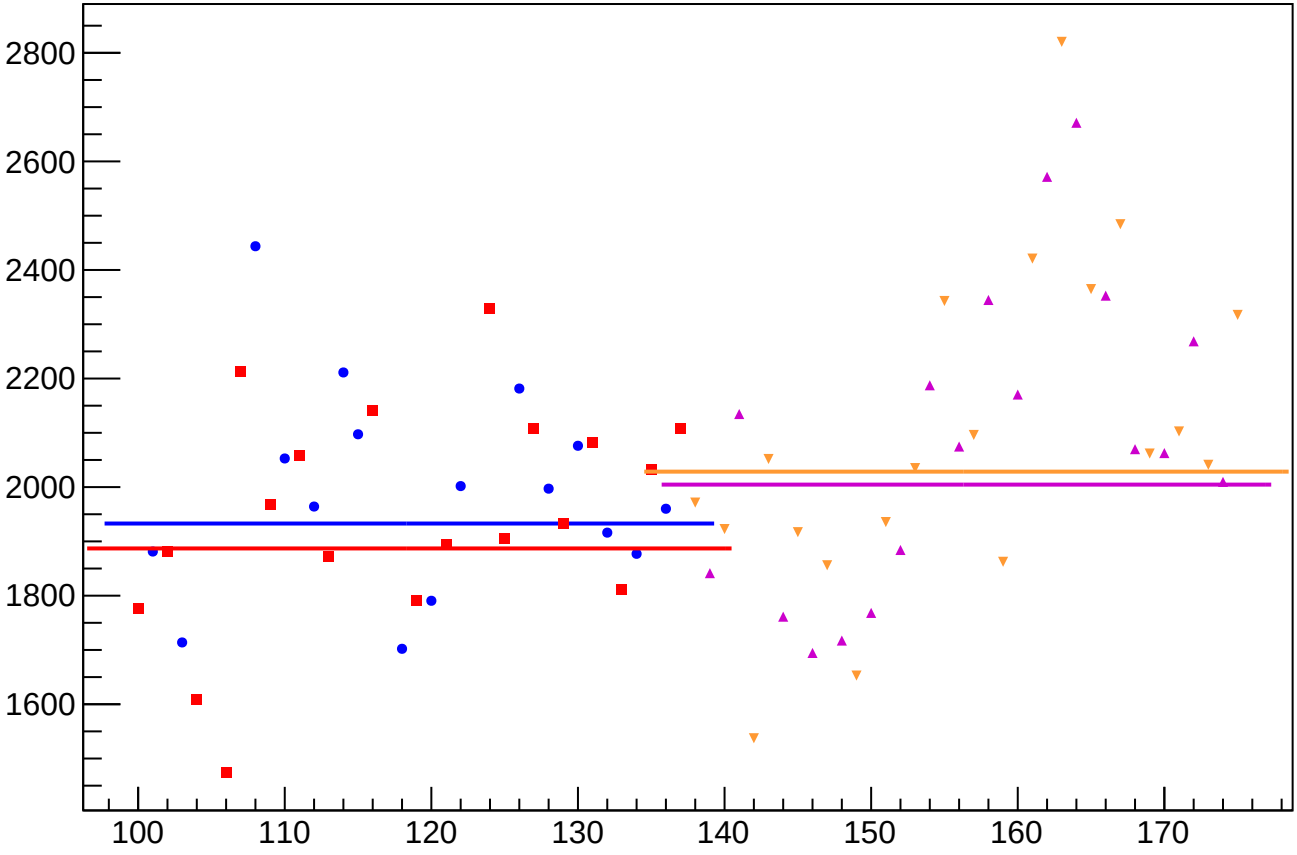
Left In: 32.718+/-0.527 χ^2/NDF:2838.1/17

+ sign 18.500+/-0.419 χ^2/NDF: 4054.7/35

All: 18.626+/-0.297 χ^2/NDF: 10120.2/72

- sign 18.752+/-0.420 χ^2/NDF: 6065.3/36

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2028.492+/-0.364 χ^2/NDF:533889.7/19

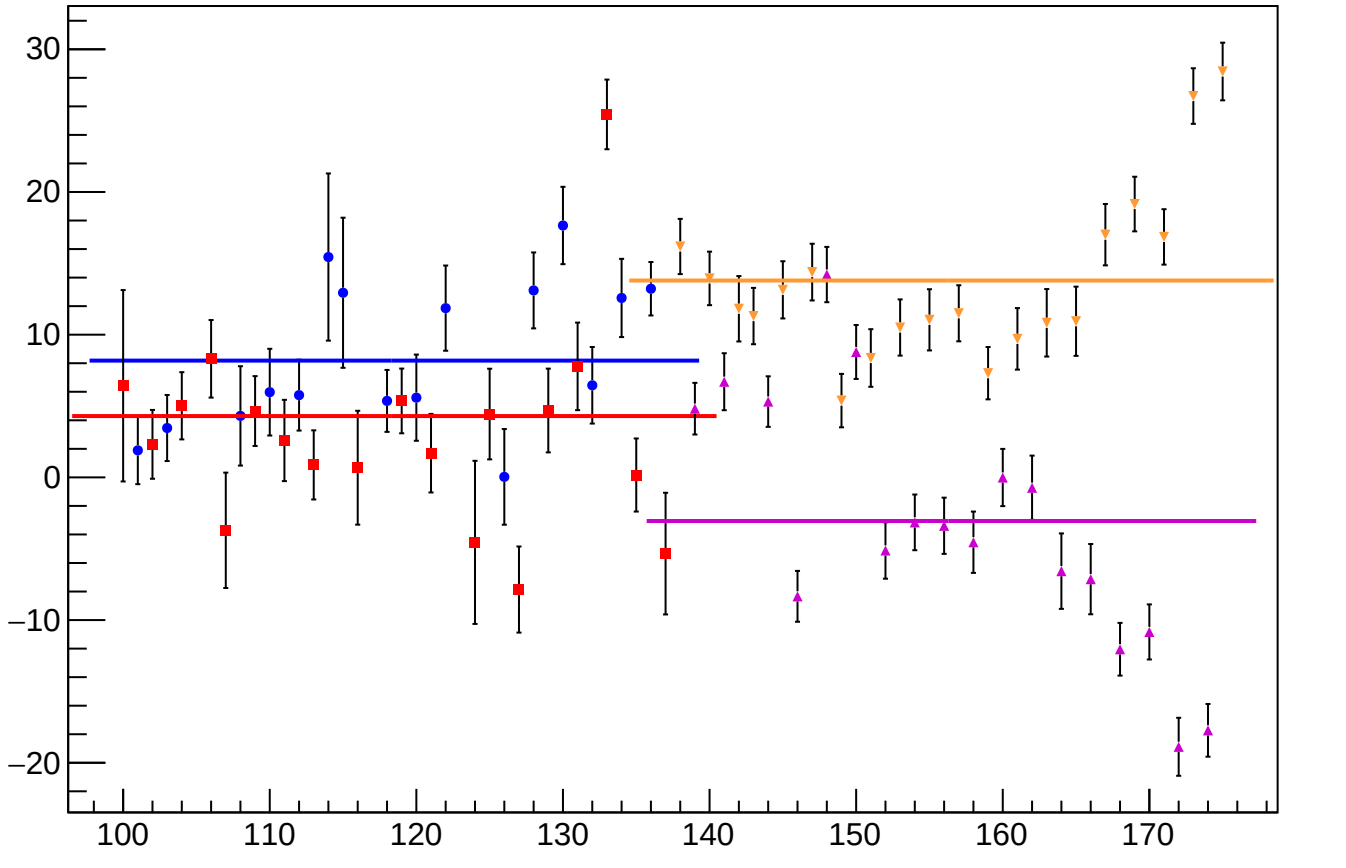
Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 2004.592+/-0.373 χ^2/NDF:458737.6/17

+ sign 1996.290+/-0.296 χ^2/NDF: 663095.3/35

All: 1978.961+/-0.210 χ^2/NDF: 1314806.5/72

- sign 1961.559+/-0.297 χ^2/NDF: 644858.7/36



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 13.797+/-0.452 χ^2/NDF:165.5/19

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

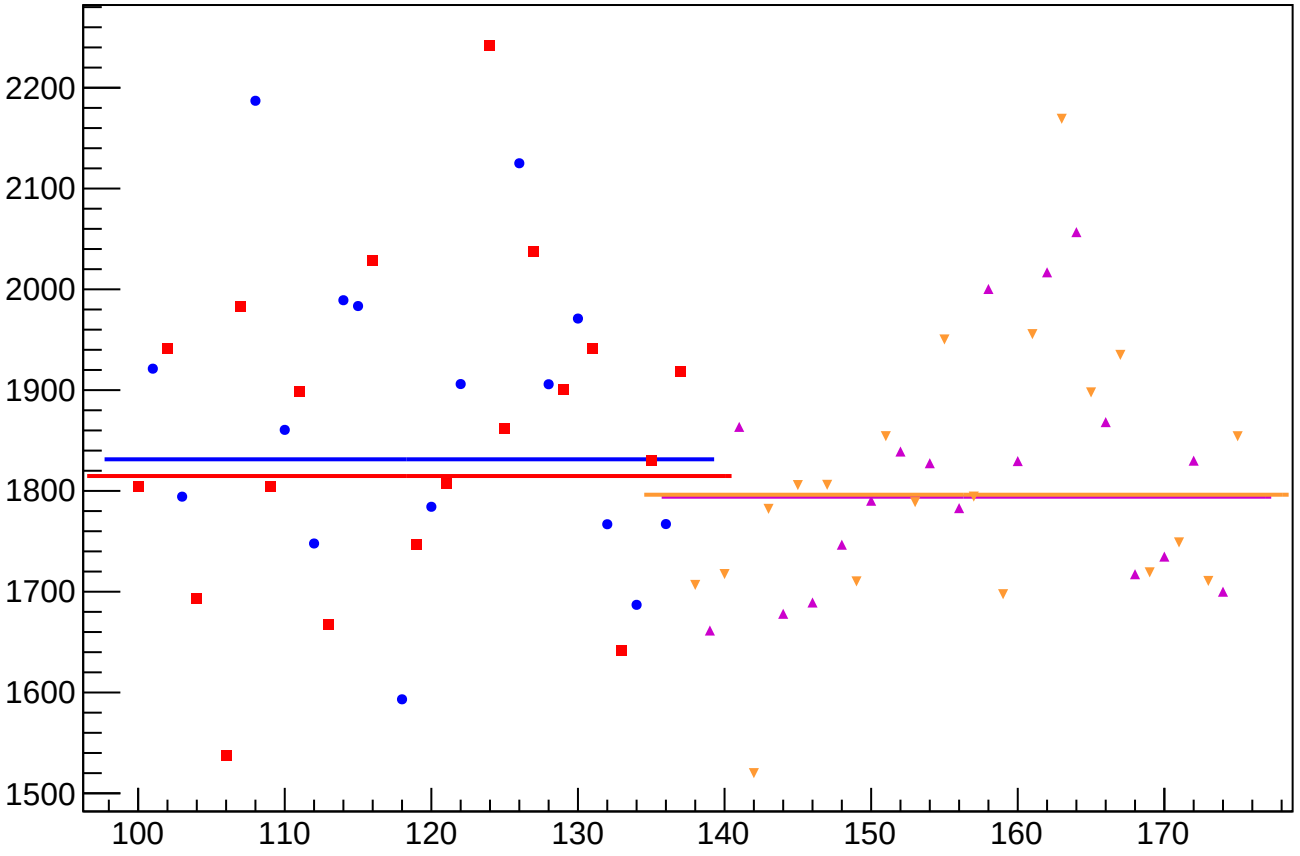
Left In: -3.057+/-0.467 χ^2/NDF:365.7/17

+ sign 12.088+/-0.377 χ^2/NDF: 264.4/35

All: 5.818+/-0.269 χ^2/NDF: 1386.3/72

- sign -0.628+/-0.382 χ^2/NDF: 561.4/36

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1796.234+/-0.320 χ^2/NDF:141459.3/19

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

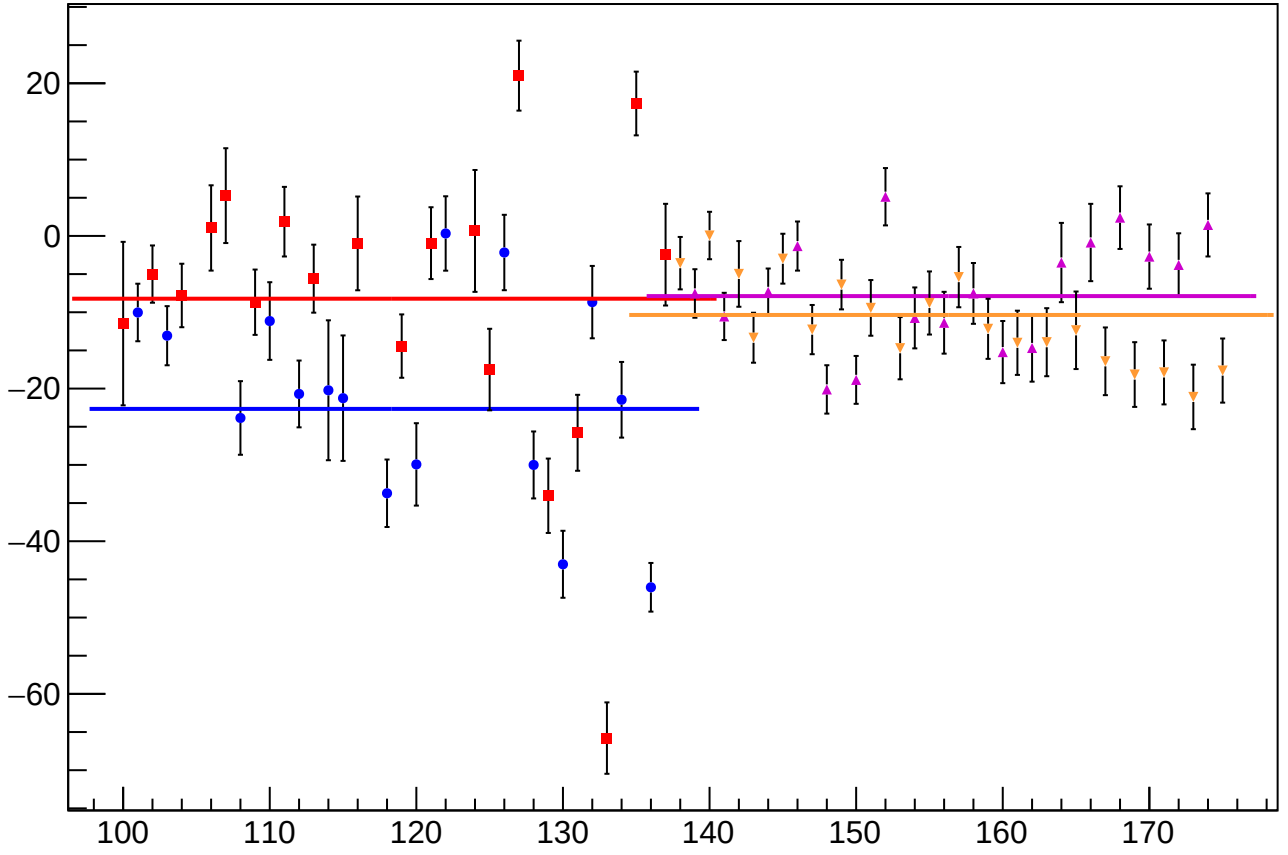
Left In: 1794.252+/-0.330 χ^2/NDF:102914.8/17

+ sign 1806.928+/-0.267 χ^2/NDF: 232051.7/35

All: 1804.019+/-0.190 χ^2/NDF: 427220.2/72

- sign 1801.029+/-0.270 χ^2/NDF: 194927.3/36

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -10.355+/-0.856 χ^2/NDF:47.1/19

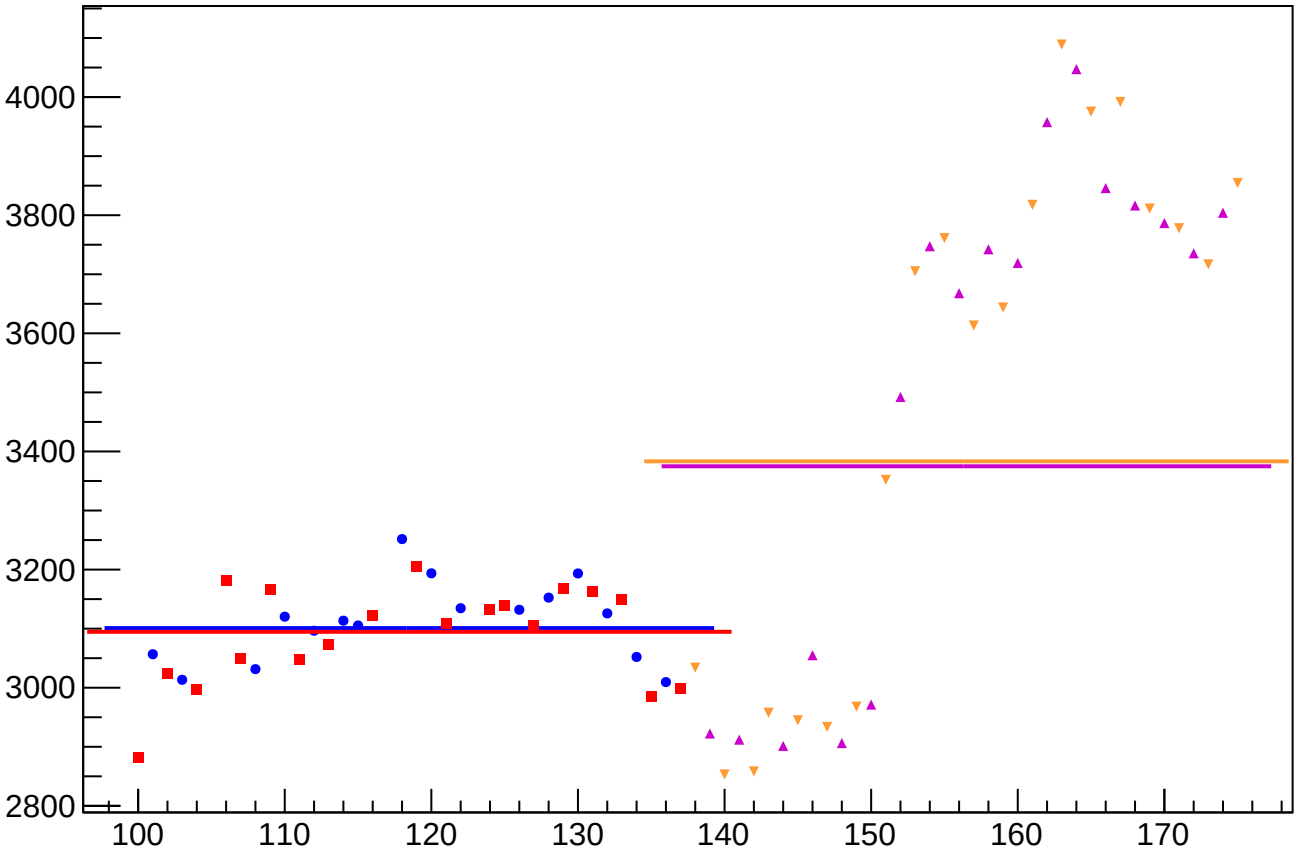
Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: -7.883+/-0.882 χ^2/NDF:67.5/17

+ sign -14.734+/-0.687 χ^2/NDF: 277.8/35

All: -11.411+/-0.489 χ^2/NDF: 687.5/72

- sign -8.012+/-0.695 χ^2/NDF: 362.3/36



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3383.310+/-0.605 χ^2/NDF:506954.9/19

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

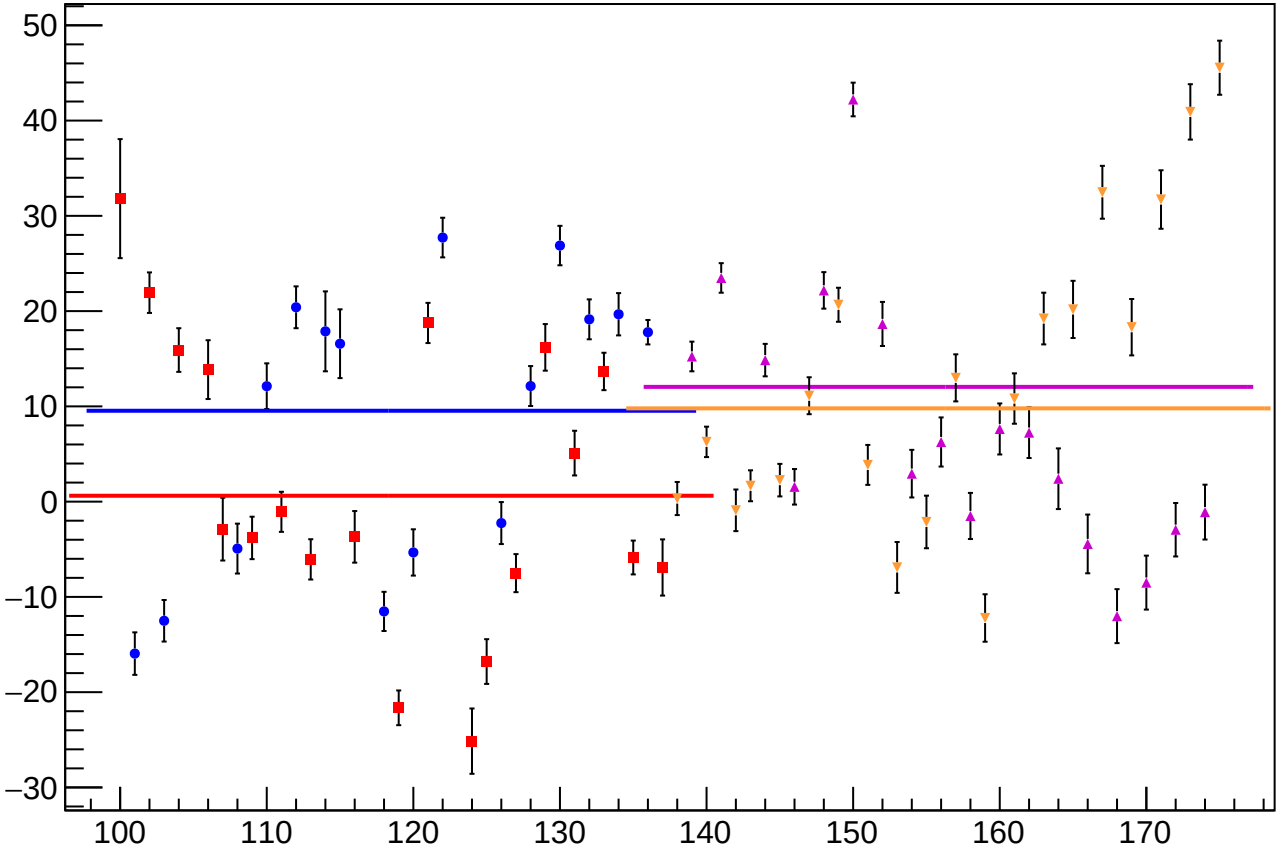
Left In: 3374.884+/-0.624 χ^2/NDF:455593.7/17

+ sign 3282.838+/-0.486 χ^2/NDF: 592262.9/35

All: 3275.847+/-0.345 χ^2/NDF: 1133389.1/72

- sign 3268.697+/-0.491 χ^2/NDF: 540707.5/36

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 9.791+/-0.497 χ^2/NDF:709.6/19

Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

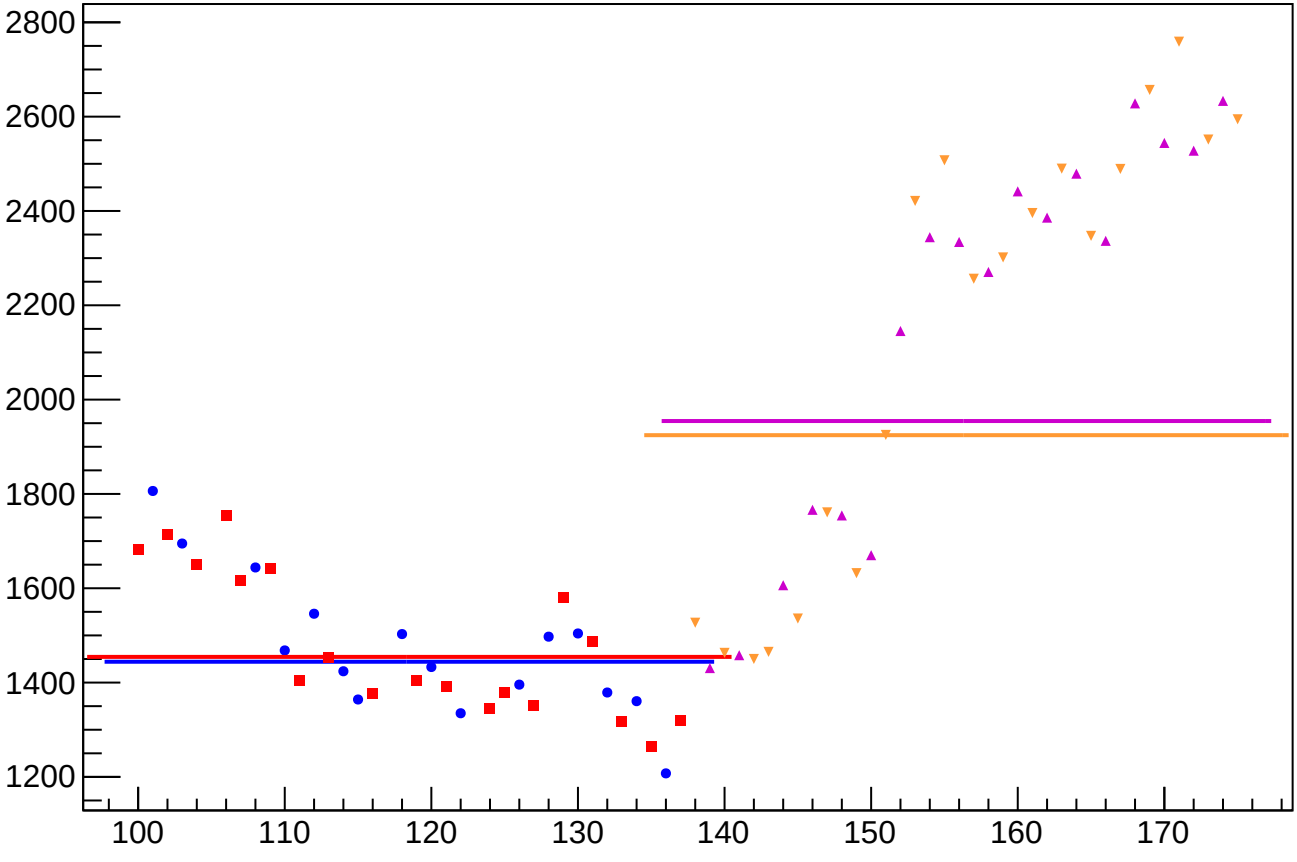
Left In: 12.047+/-0.520 χ^2/NDF:687.9/17

+ sign 9.676+/-0.366 χ^2/NDF: 1408.4/35

All: 8.110+/-0.261 χ^2/NDF: 3034.5/72

- sign 6.489+/-0.372 χ^2/NDF: 1588.8/36

diff_bpm0l01Y_rms vs Slug



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1924.586+/-0.352 χ^2/NDF:1685218.3/19

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

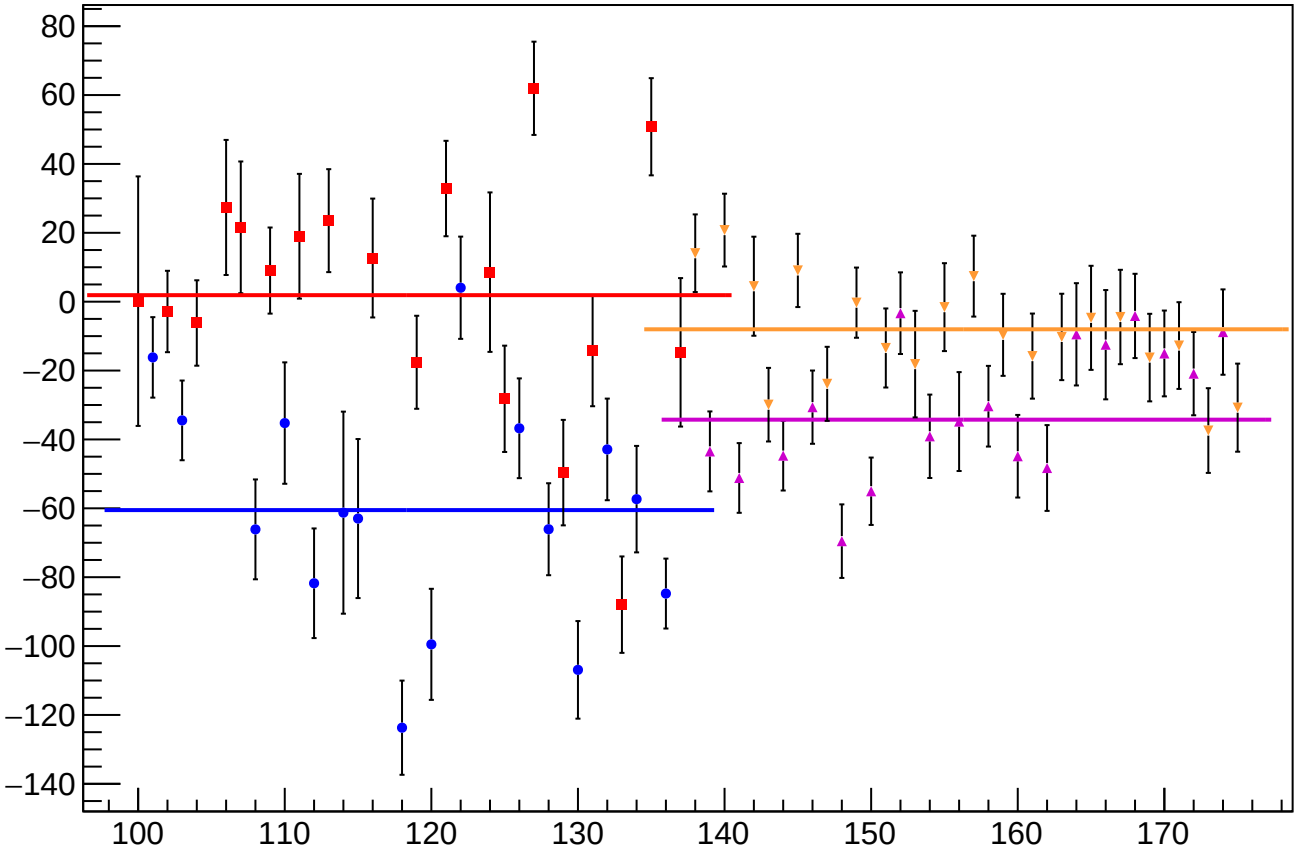
Left In: 1954.579+/-0.368 χ^2/NDF:1346584.0/17

+ sign 1704.637+/-0.259 χ^2/NDF: 2719398.9/35

All: 1707.925+/-0.185 χ^2/NDF: 5109672.3/72

- sign 1711.327+/-0.263 χ^2/NDF: 2389945.4/36

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -8.018+/-2.696 χ^2/NDF:34.2/19

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

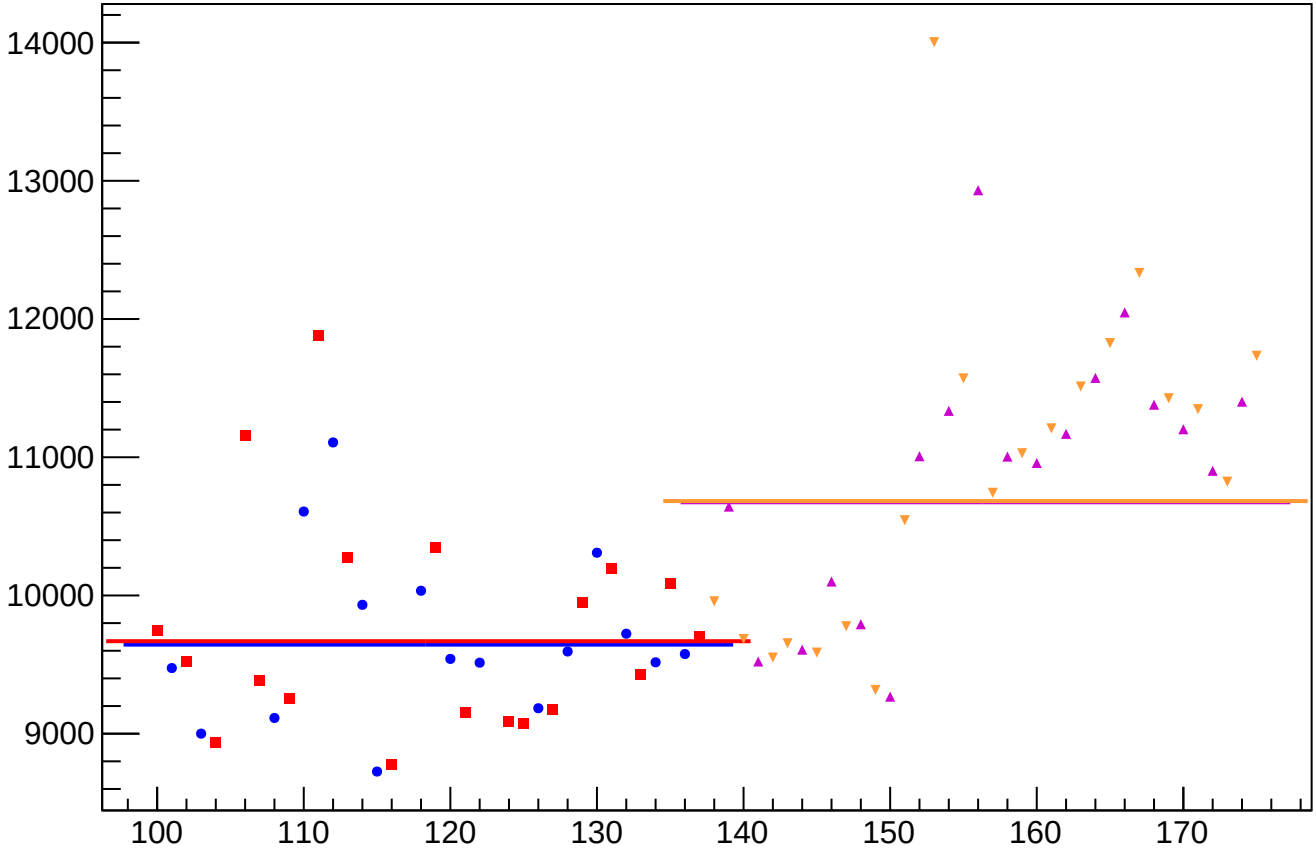
Left In: -34.261+/-2.779 χ^2/NDF:47.7/17

+ sign -26.907+/-2.157 χ^2/NDF: 260.9/35

All: -23.740+/-1.536 χ^2/NDF: 481.3/72

- sign -20.486+/-2.187 χ^2/NDF: 216.0/36

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10682.990+/-1.906 χ^2/NDF:311335.2/19

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

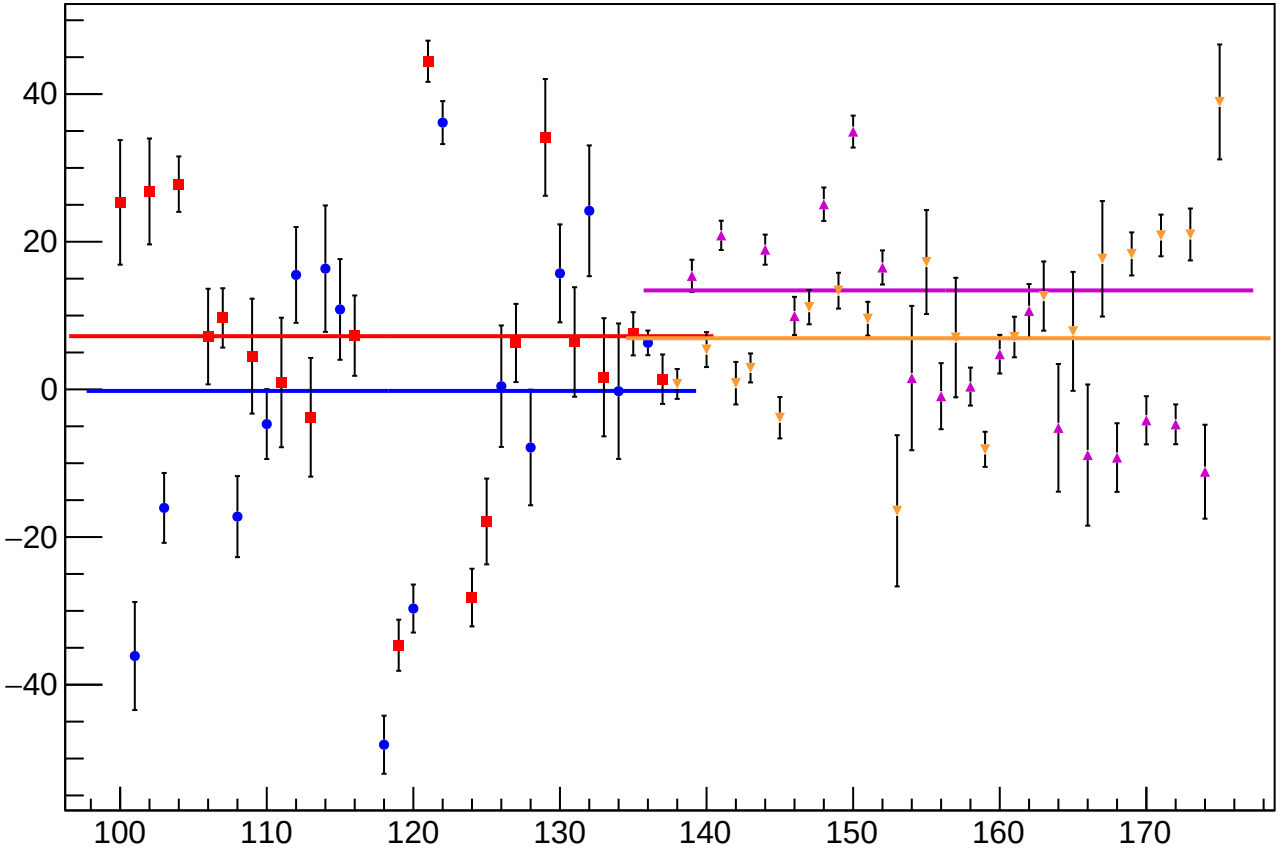
Left In: 10674.190+/-1.965 χ^2/NDF:211960.8/17

+ sign 10309.310+/-1.525 χ^2/NDF: 462229.4/35

All: 10300.413+/-1.086 χ^2/NDF: 853770.0/72

- sign 10291.270+/-1.546 χ^2/NDF: 391471.7/36

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 6.928+/-0.667 χ^2/NDF:168.4/19

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

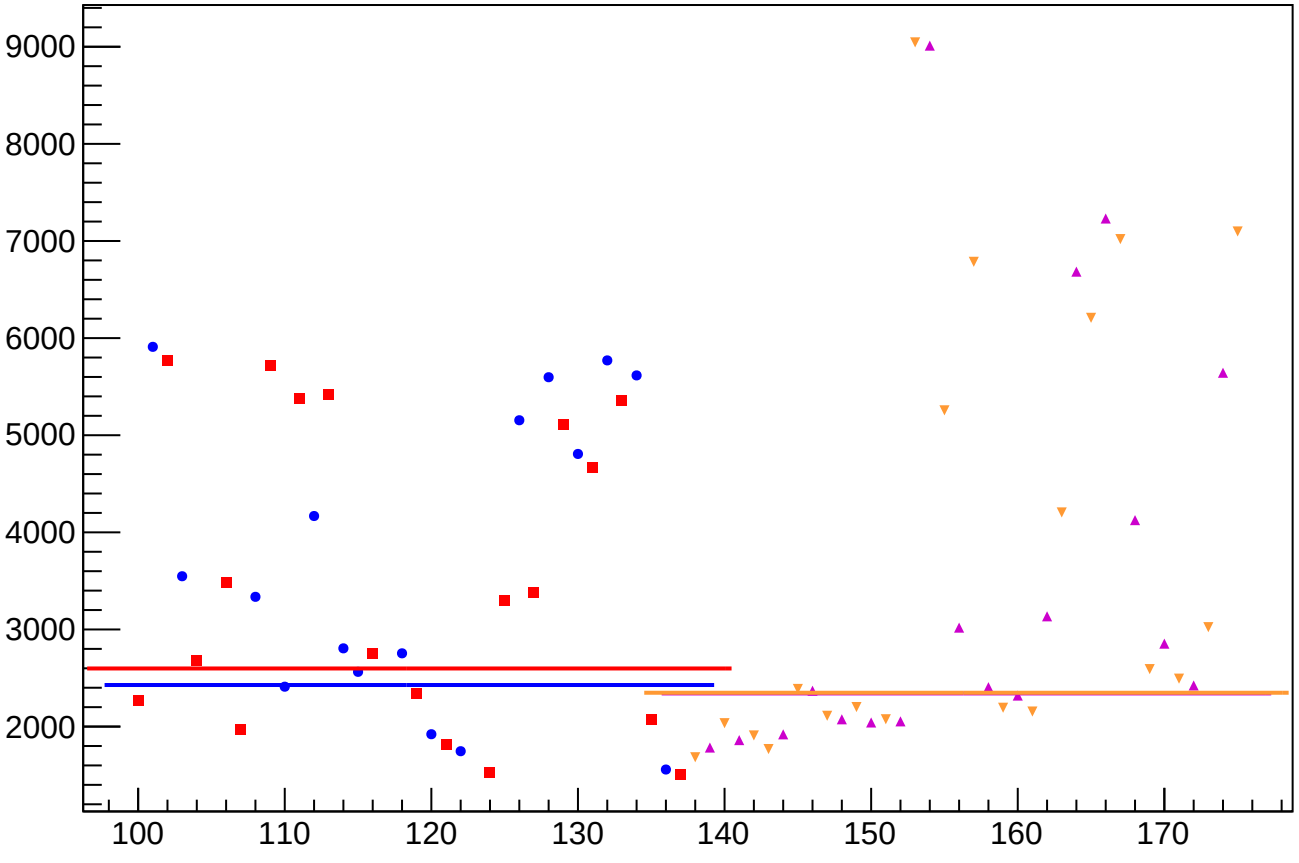
Left In: 13.406+/-0.673 χ^2/NDF:323.1/17

+ sign 4.865+/-0.562 χ^2/NDF: 675.2/35

All: 8.214+/-0.400 χ^2/NDF: 1579.8/72

- sign 11.658+/-0.570 χ^2/NDF: 832.6/36

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2348.359+/-0.472 χ^2/NDF:4668879.2/19

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

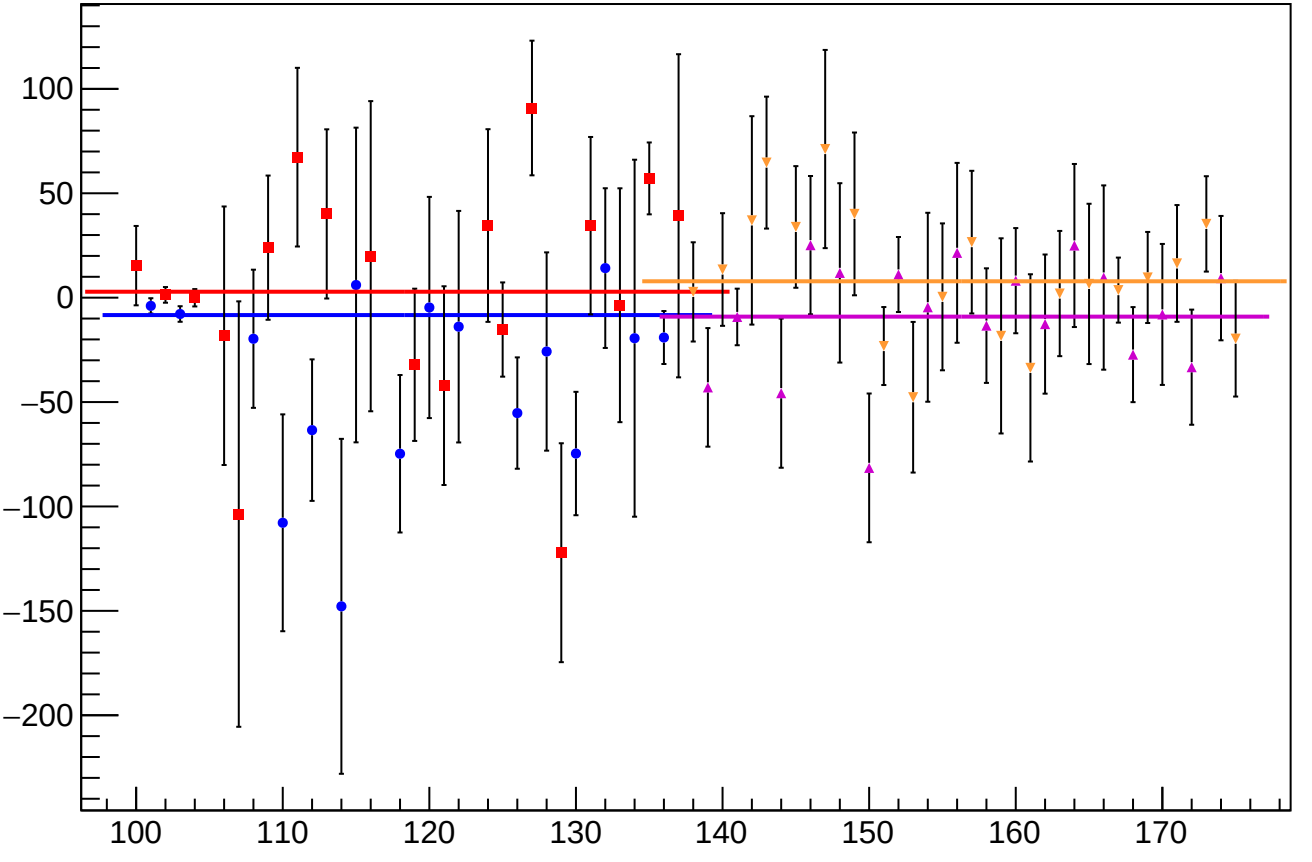
Left In: 2341.225+/-0.476 χ^2/NDF:3415803.2/17

+ sign 2371.417+/-0.398 χ^2/NDF: 7492482.0/35

All: 2392.271+/-0.283 χ^2/NDF: 13511149.9/7

- sign 2413.716+/-0.403 χ^2/NDF: 6013085.9/36

diff_bpm0l03X_mean vs Slug



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.851+/-6.250 χ^2/NDF:16.2/19

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

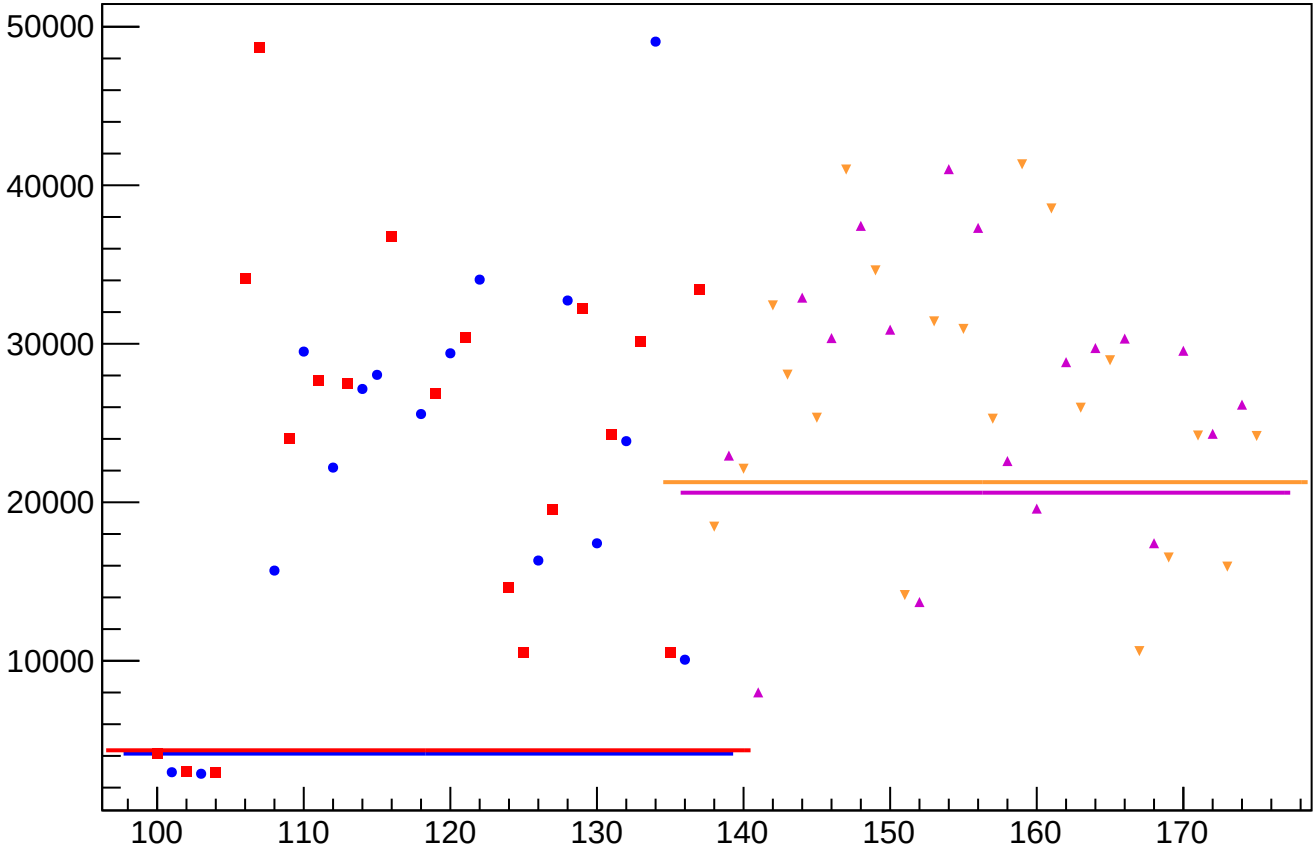
Left In: -9.083+/-6.447 χ^2/NDF:12.9/17

+ sign -6.101+/-2.321 χ^2/NDF: 45.4/35

All: -2.668+/-1.682 χ^2/NDF: 98.5/72

- sign 1.135+/-2.443 χ^2/NDF: 48.5/36

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21270.861+/-4.420 χ^2/NDF:3447399.7/19

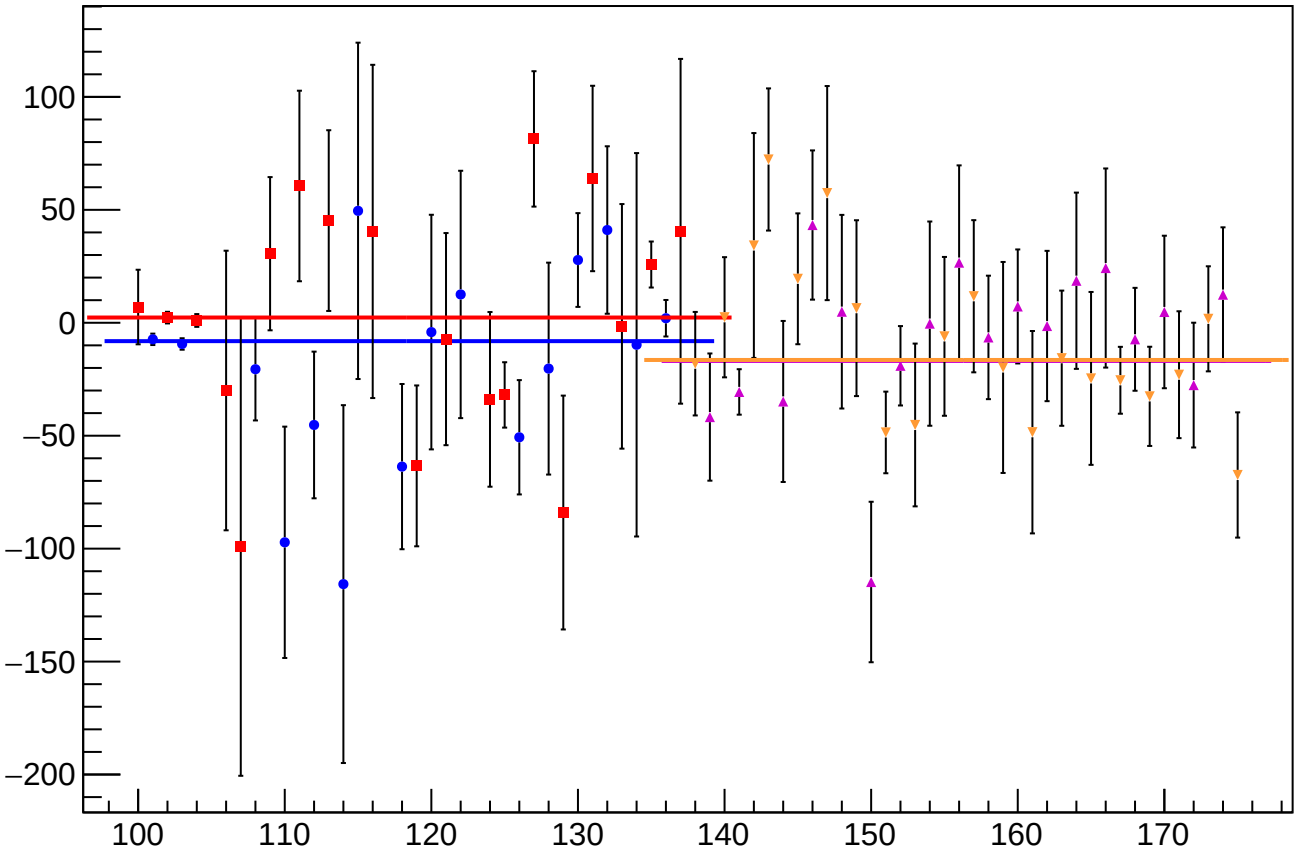
Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 20606.143+/-4.559 χ^2/NDF:4257336.8/17

+ sign 6506.622+/-1.641 χ^2/NDF: 23228229.7/35

All: 6592.476+/-1.190 χ^2/NDF: 46000618.5/7

- sign 6687.598+/-1.727 χ^2/NDF: 22766618.9/36



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -16.469+/-6.159 χ^2/NDF:23.9/19

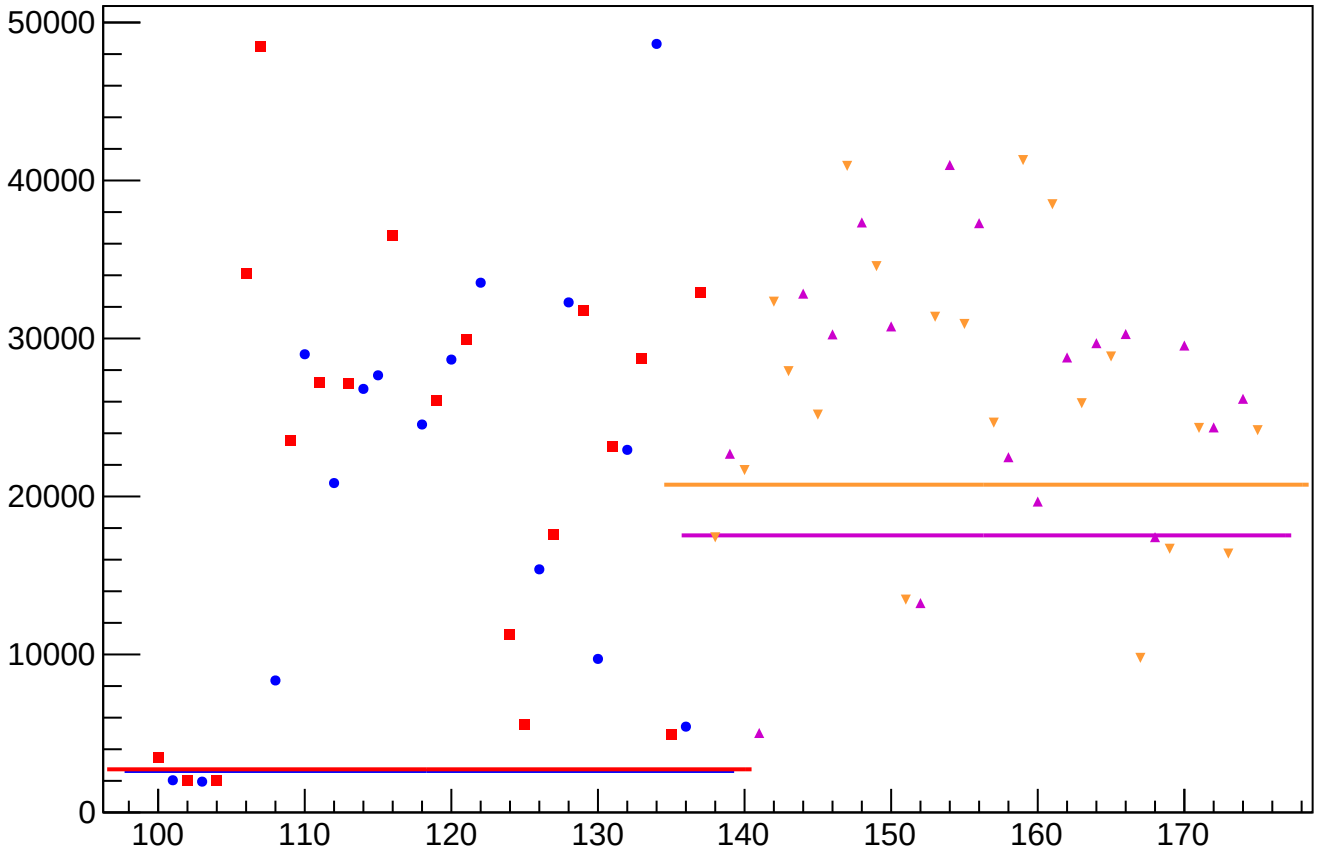
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -16.903+/-5.906 χ^2/NDF:19.9/17

+ sign -8.736+/-1.657 χ^2/NDF: 44.7/35

All: -4.272+/-1.200 χ^2/NDF: 122.6/72

- sign 0.655+/-1.741 χ^2/NDF: 62.7/36



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 20745.874+/-4.355 χ^2/NDF:3760612.7/19

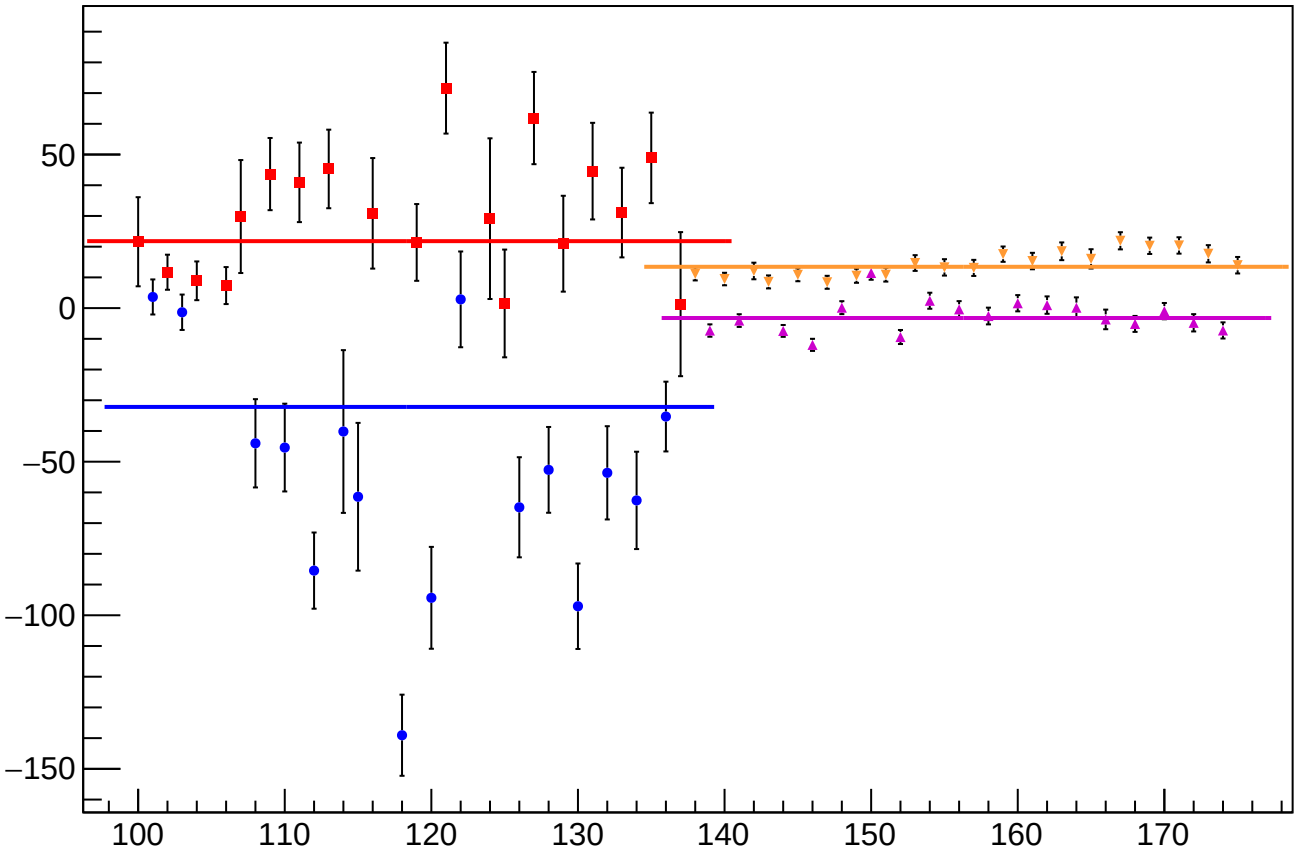
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 17537.192+/-4.177 χ^2/NDF:6818323.7/17

+ sign 3937.732+/-1.172 χ^2/NDF: 26596988.4/35

All: 3975.104+/-0.849 χ^2/NDF: 52880782.4/7

- sign 4016.351+/-1.231 χ^2/NDF: 26281653.7/36



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.451+/-0.551 χ^2/NDF:52.8/19

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

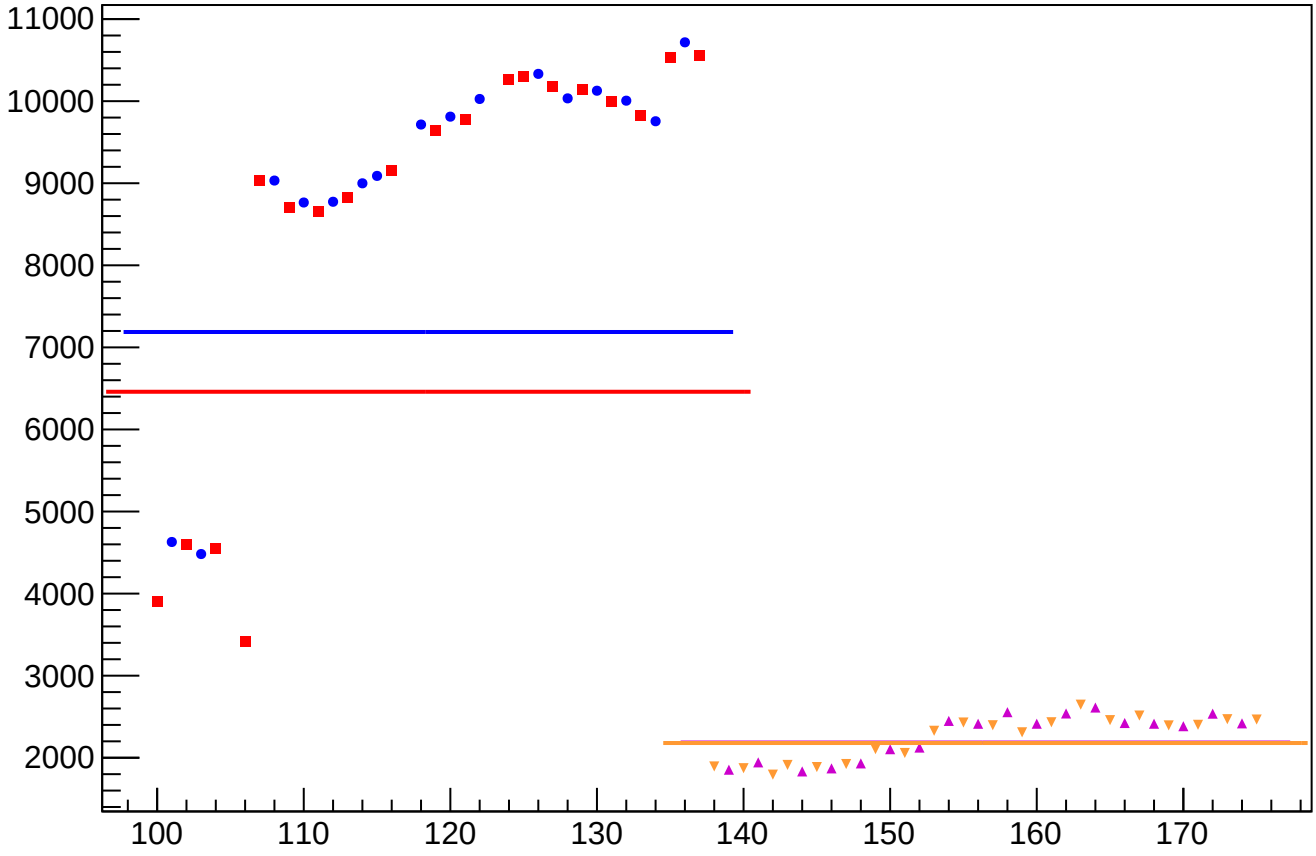
Left In: -3.221+/-0.572 χ^2/NDF:98.5/17

+ sign 11.797+/-0.541 χ^2/NDF: 509.0/35

All: 5.091+/-0.388 χ^2/NDF: 1064.3/72

- sign -2.031+/-0.558 χ^2/NDF: 238.7/36

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2179.538+/-0.390 χ^2/NDF:458305.9/19

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

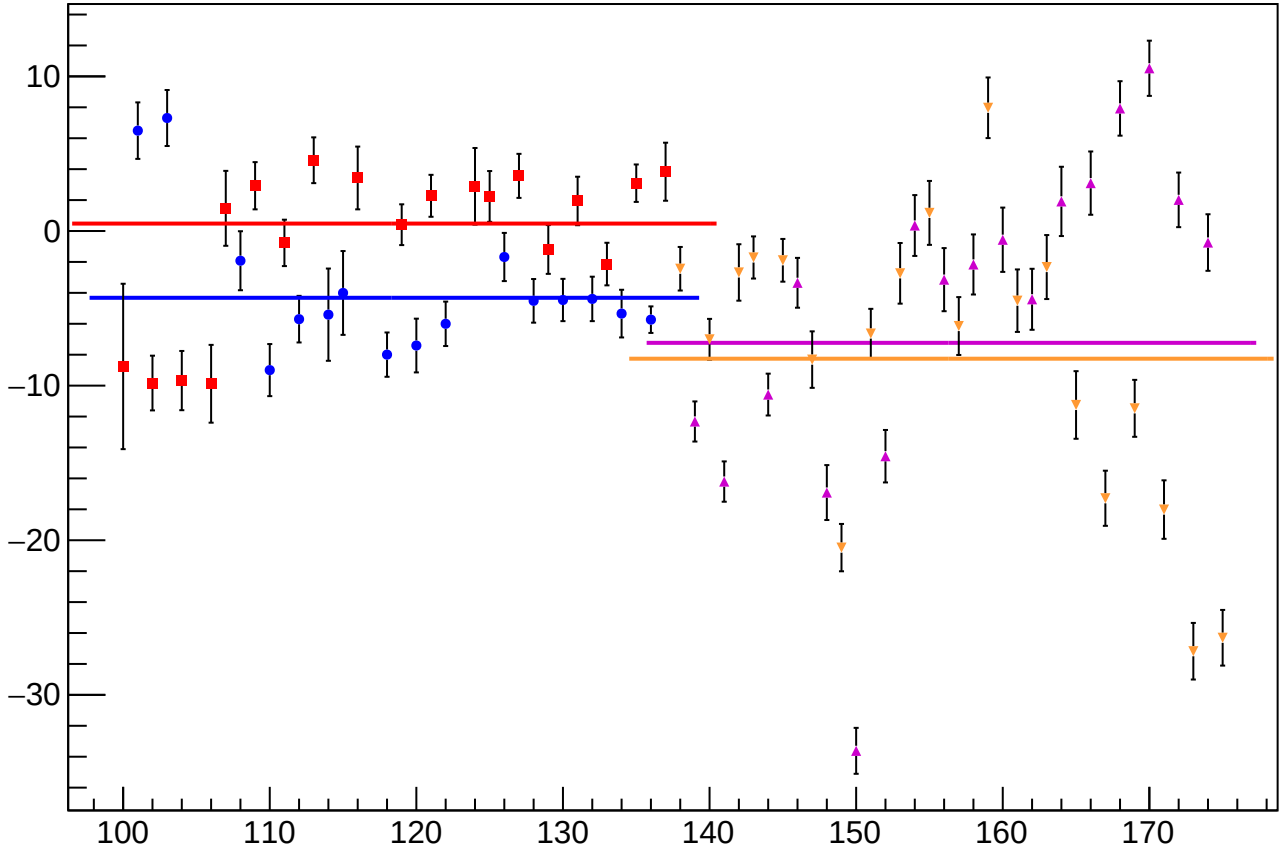
Left In: 2185.736+/-0.404 χ^2/NDF:467355.5/17

+ sign 2361.187+/-0.383 χ^2/NDF: 8149976.2/35

All: 2374.696+/-0.275 χ^2/NDF: 16215777.2/7

- sign 2389.044+/-0.394 χ^2/NDF: 8063231.6/36

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -8.259+/-0.384 χ^2/NDF:510.9/19

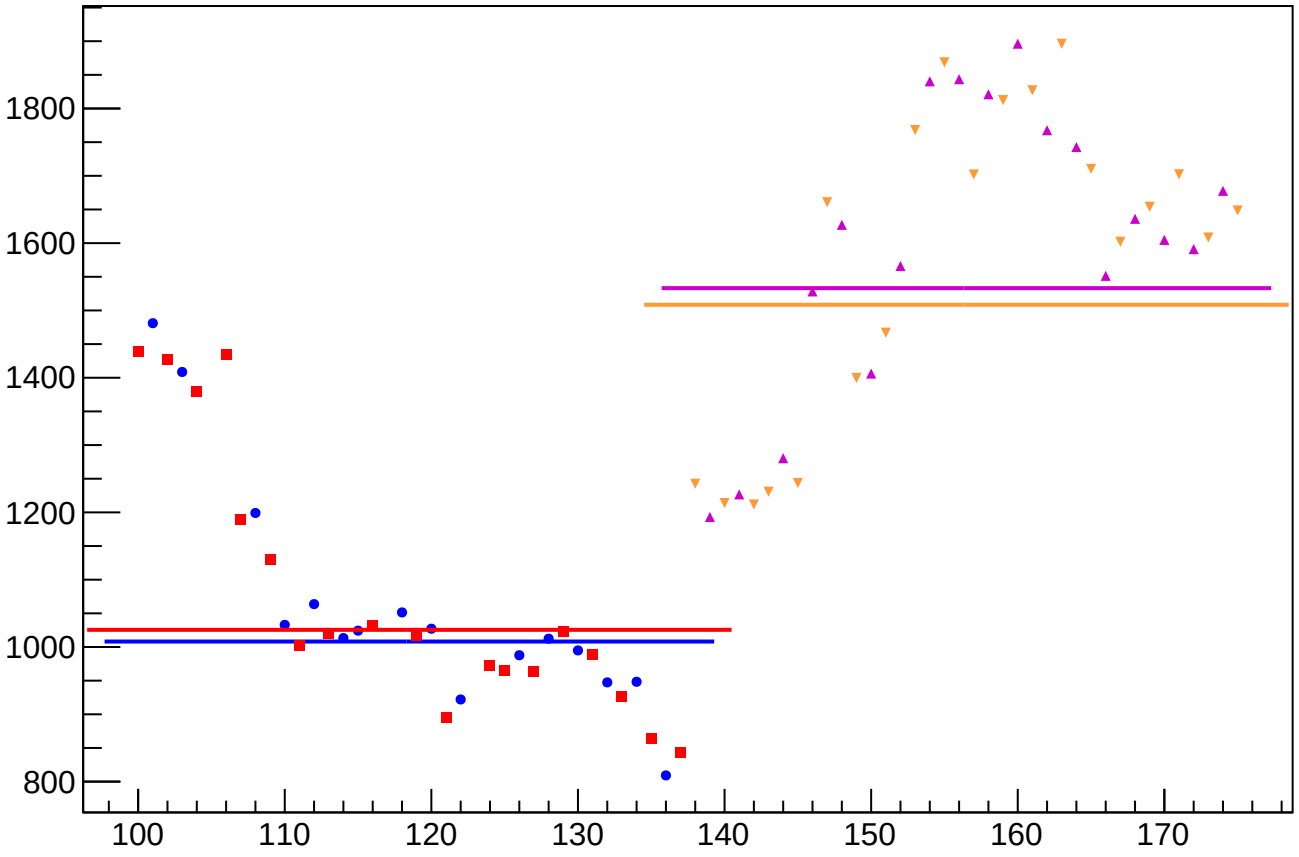
Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: -7.233+/-0.402 χ^2/NDF:731.7/17

+ sign -6.266+/-0.270 χ^2/NDF: 667.8/35

All: -4.737+/-0.193 χ^2/NDF: 1777.1/72

- sign -3.142+/-0.276 χ^2/NDF: 1043.8/36



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1508.441+/-0.272 χ^2/NDF:764255.7/19

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

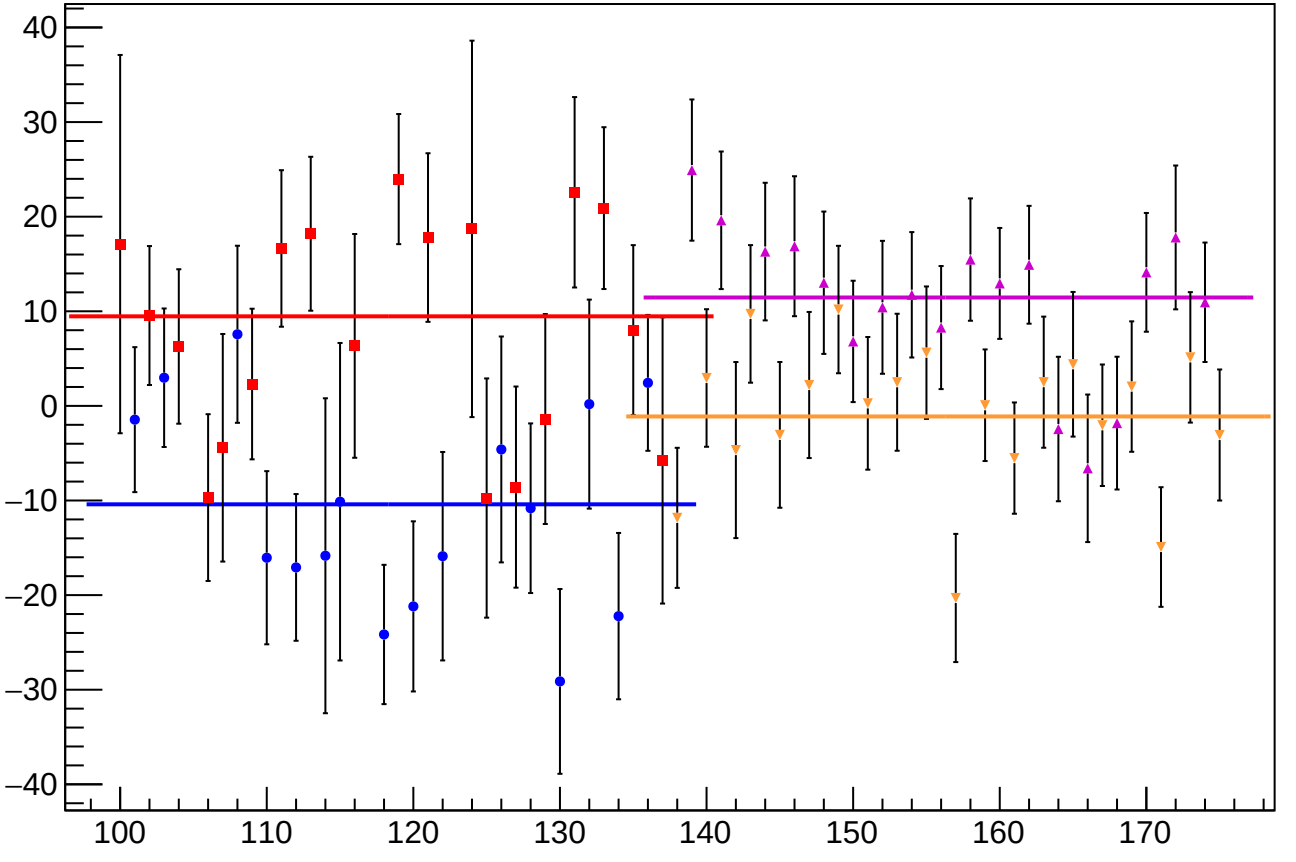
Left In: 1533.150+/-0.285 χ^2/NDF:608948.8/17

+ sign 1255.424+/-0.191 χ^2/NDF: 2859186.9/35

All: 1259.571+/-0.136 χ^2/NDF: 5503356.8/72

- sign 1263.896+/-0.195 χ^2/NDF: 2643206.1/36

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -1.116+/-1.557 χ^2/NDF:24.4/19

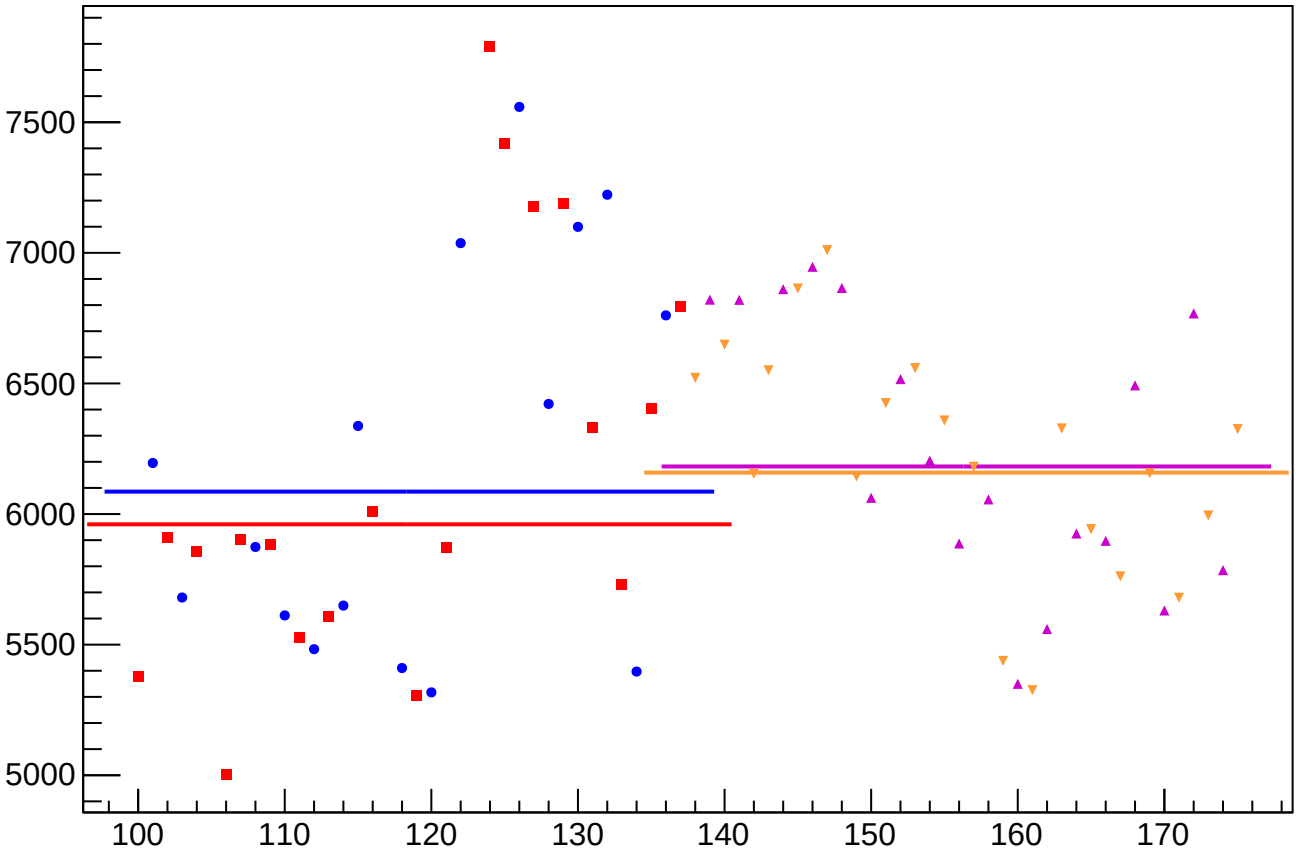
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 11.458+/-1.615 χ^2/NDF:20.2/17

+ sign -4.069+/-1.286 χ^2/NDF: 60.3/35

All: 3.260+/-0.914 χ^2/NDF: 172.2/72

- sign 10.756+/-1.300 χ^2/NDF: 46.1/36



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6158.722+/-1.101 χ^2/NDF:165627.0/19

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

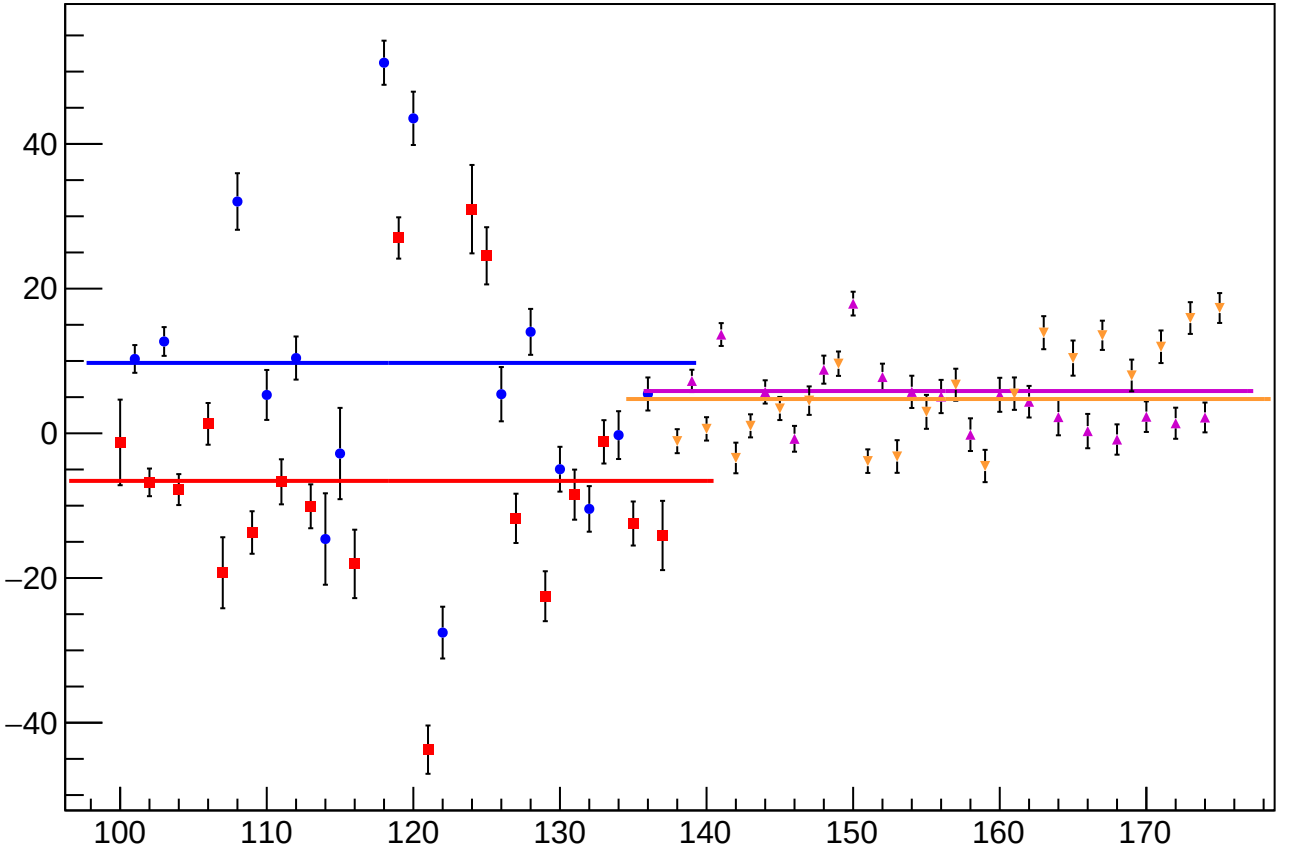
Left In: 6182.125+/-1.142 χ^2/NDF:199777.3/17

+ sign 6135.563+/-0.909 χ^2/NDF: 346138.4/35

All: 6120.014+/-0.646 χ^2/NDF: 722524.2/72

- sign 6104.108+/-0.919 χ^2/NDF: 375793.9/36

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 4.741+/-0.439 χ^2/NDF:223.2/19

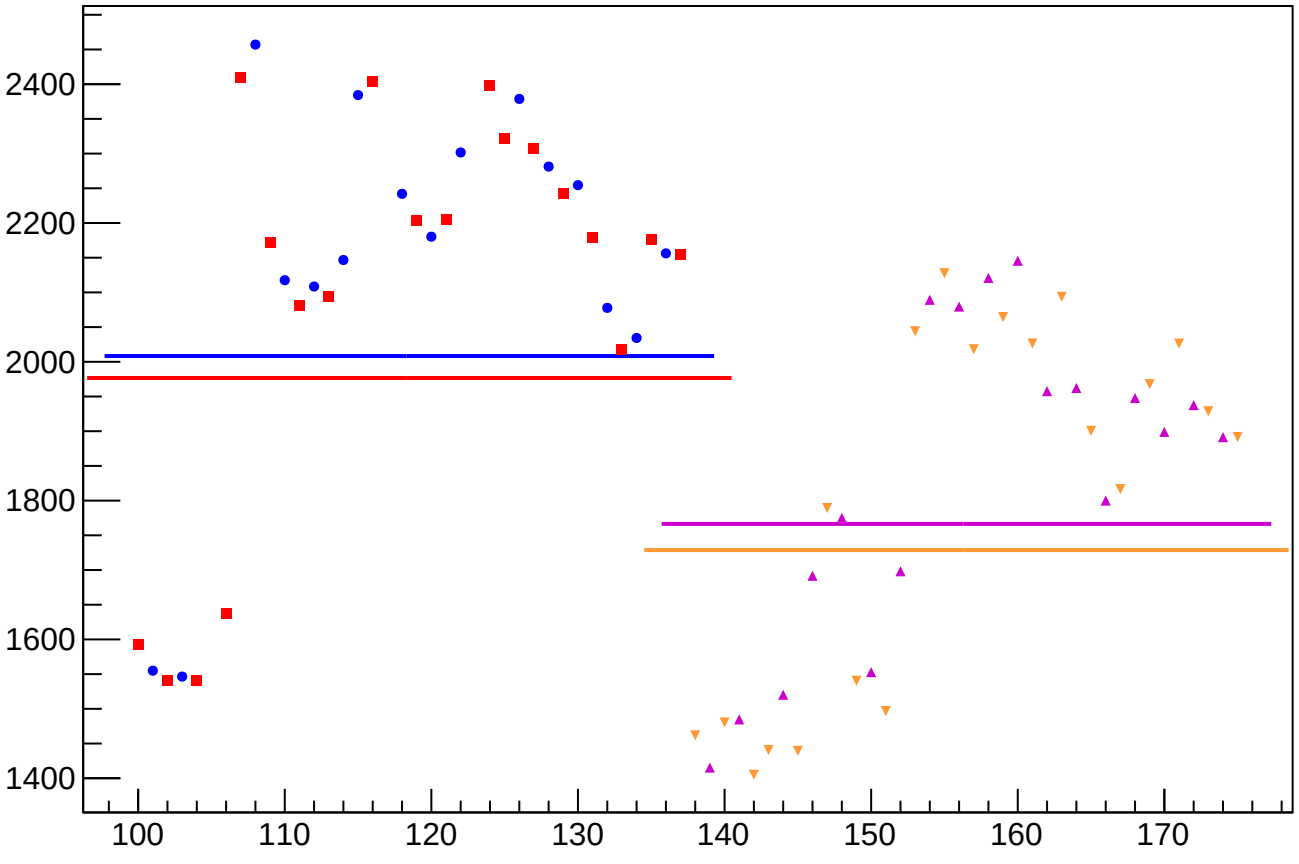
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 5.845+/-0.463 χ^2/NDF:132.2/17

+ sign 6.005+/-0.380 χ^2/NDF: 768.2/35

All: 4.199+/-0.272 χ^2/NDF: 1577.1/72

- sign 2.287+/-0.391 χ^2/NDF: 762.3/36



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1728.731+/-0.311 χ^2/NDF:708348.1/19

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

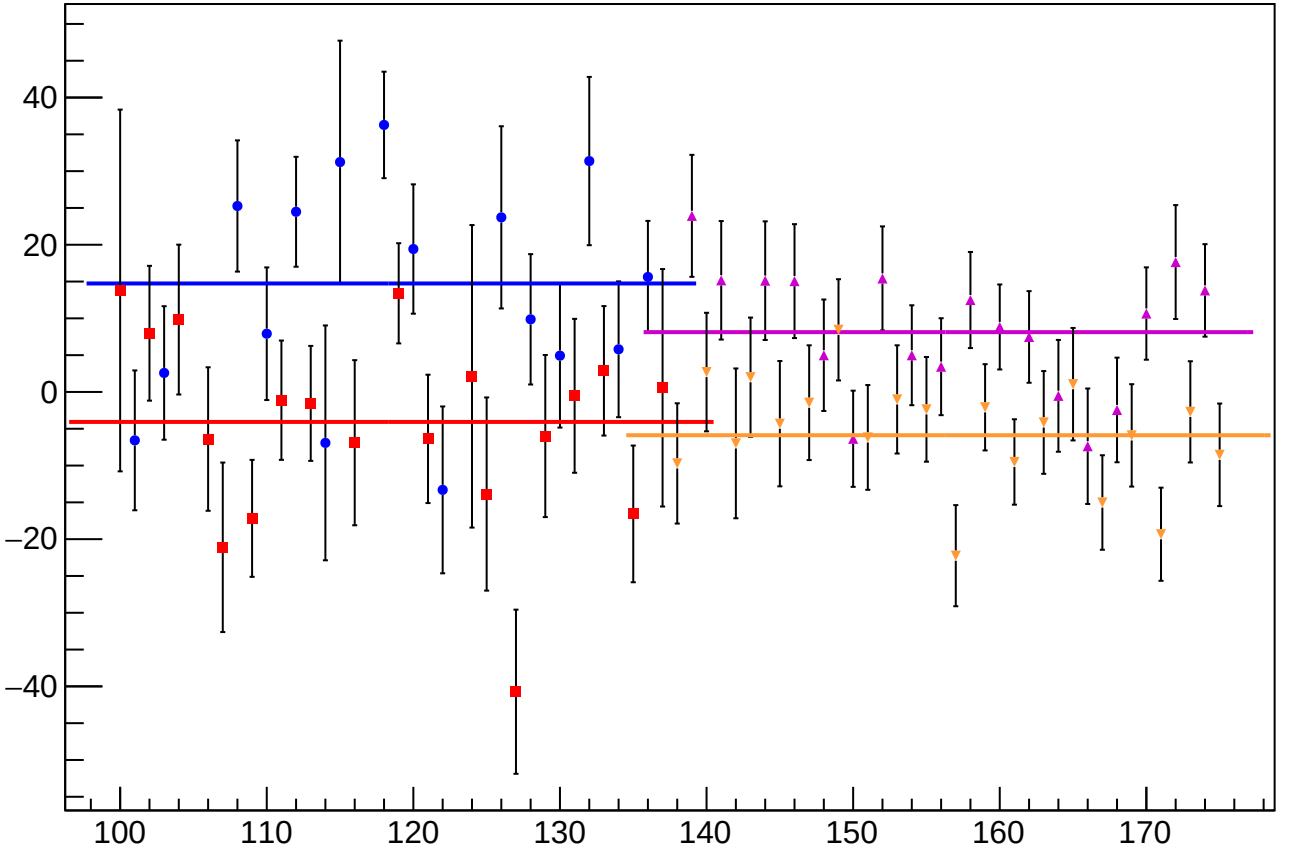
Left In: 1766.449+/-0.327 χ^2/NDF:505568.3/17

+ sign 1799.498+/-0.269 χ^2/NDF: 1257584.0/35

All: 1812.693+/-0.193 χ^2/NDF: 2251747.6/72

- sign 1826.668+/-0.276 χ^2/NDF: 989193.0/36

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -5.879+/-1.593 χ^2/NDF:22.0/19

Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

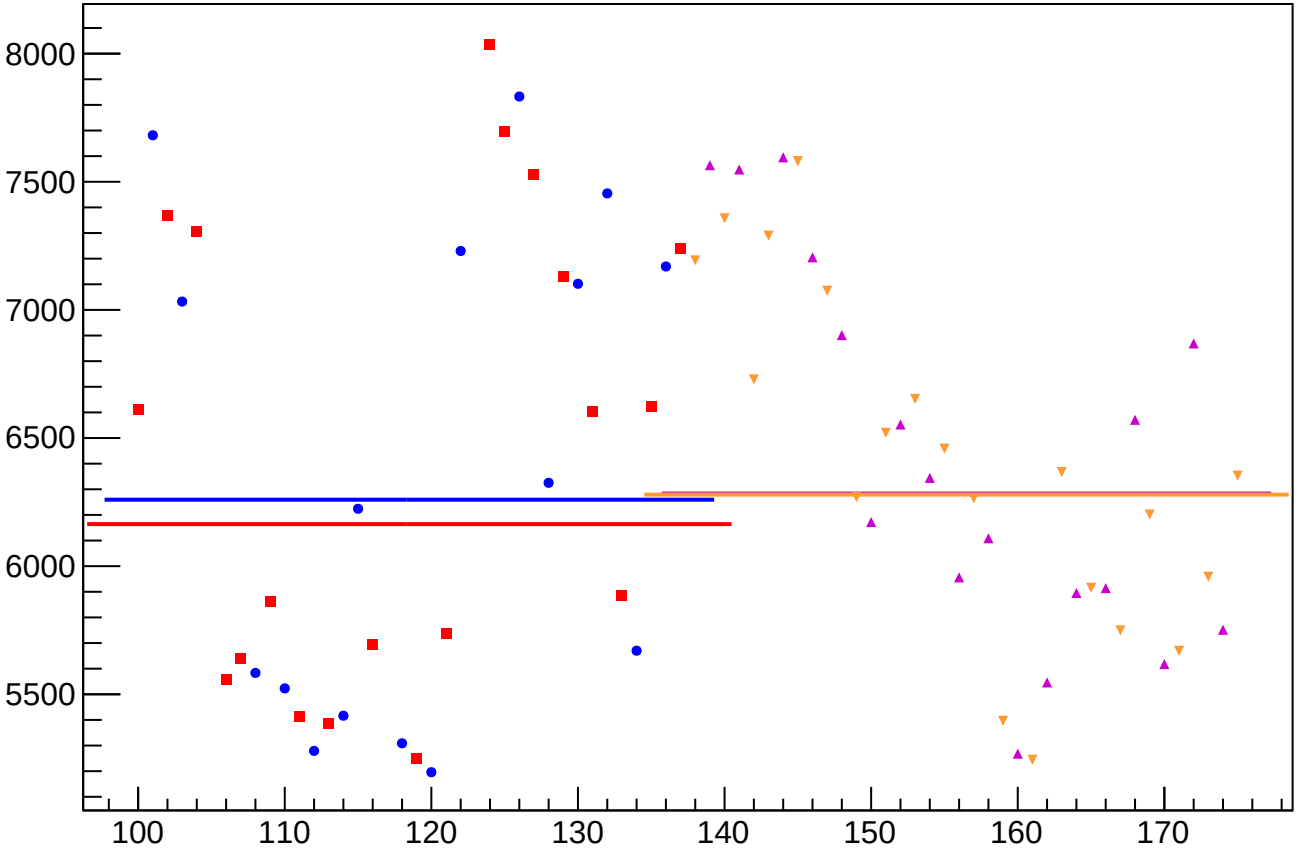
Left In: 8.127+/-1.649 χ^2/NDF:23.2/17

+ sign 0.584+/-1.320 χ^2/NDF: 108.0/35

All: 2.234+/-0.939 χ^2/NDF: 183.4/72

- sign 3.923+/-1.335 χ^2/NDF: 72.2/36

diff_bpm0l06X_rms vs Slug



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6279.227+/-1.126 χ^2/NDF:323135.2/19

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

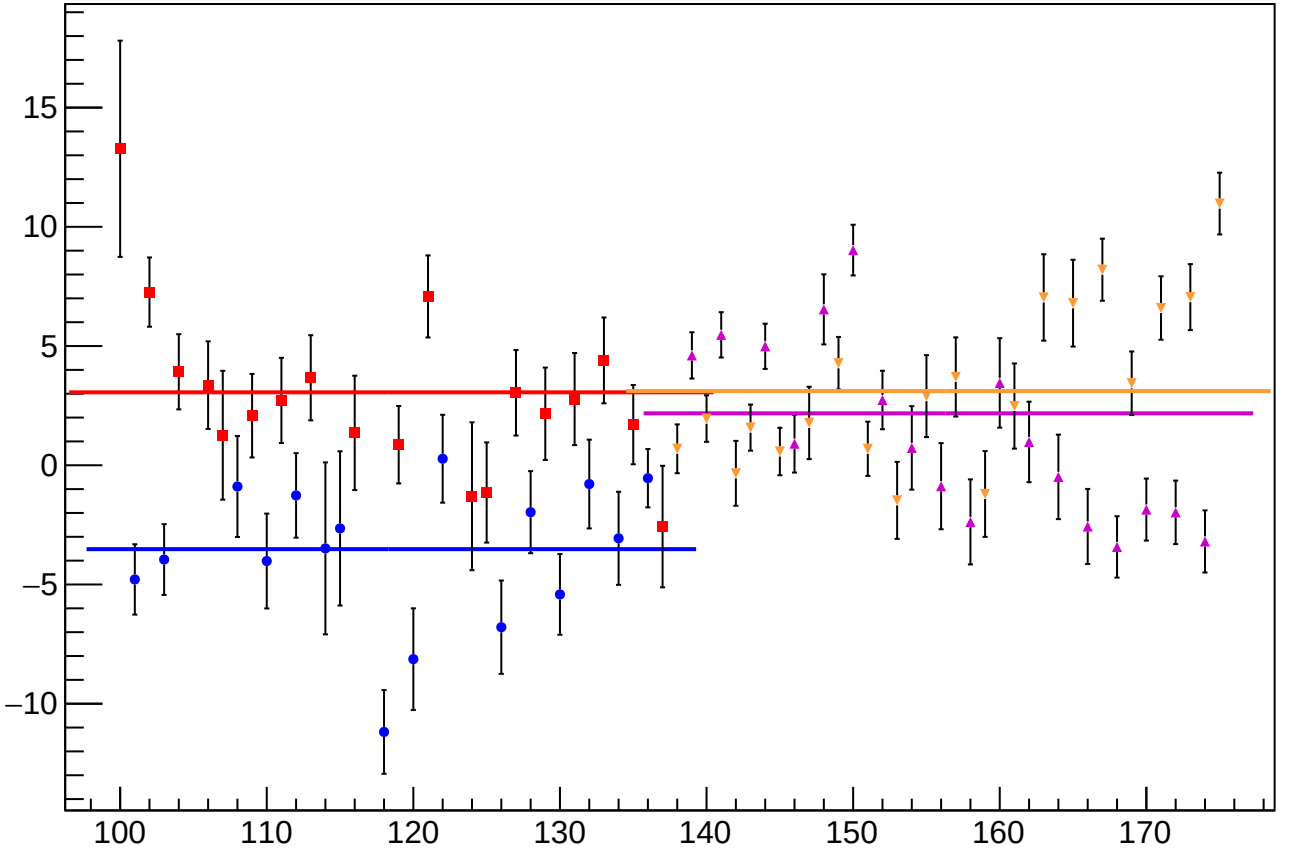
Left In: 6283.378+/-1.166 χ^2/NDF:352906.6/17

+ sign 6273.018+/-0.933 χ^2/NDF: 631838.9/35

All: 6257.823+/-0.664 χ^2/NDF: 1253944.8/72

- sign 6242.283+/-0.944 χ^2/NDF: 621569.7/36

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 3.112+/-0.291 χ^2/NDF:118.9/19

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

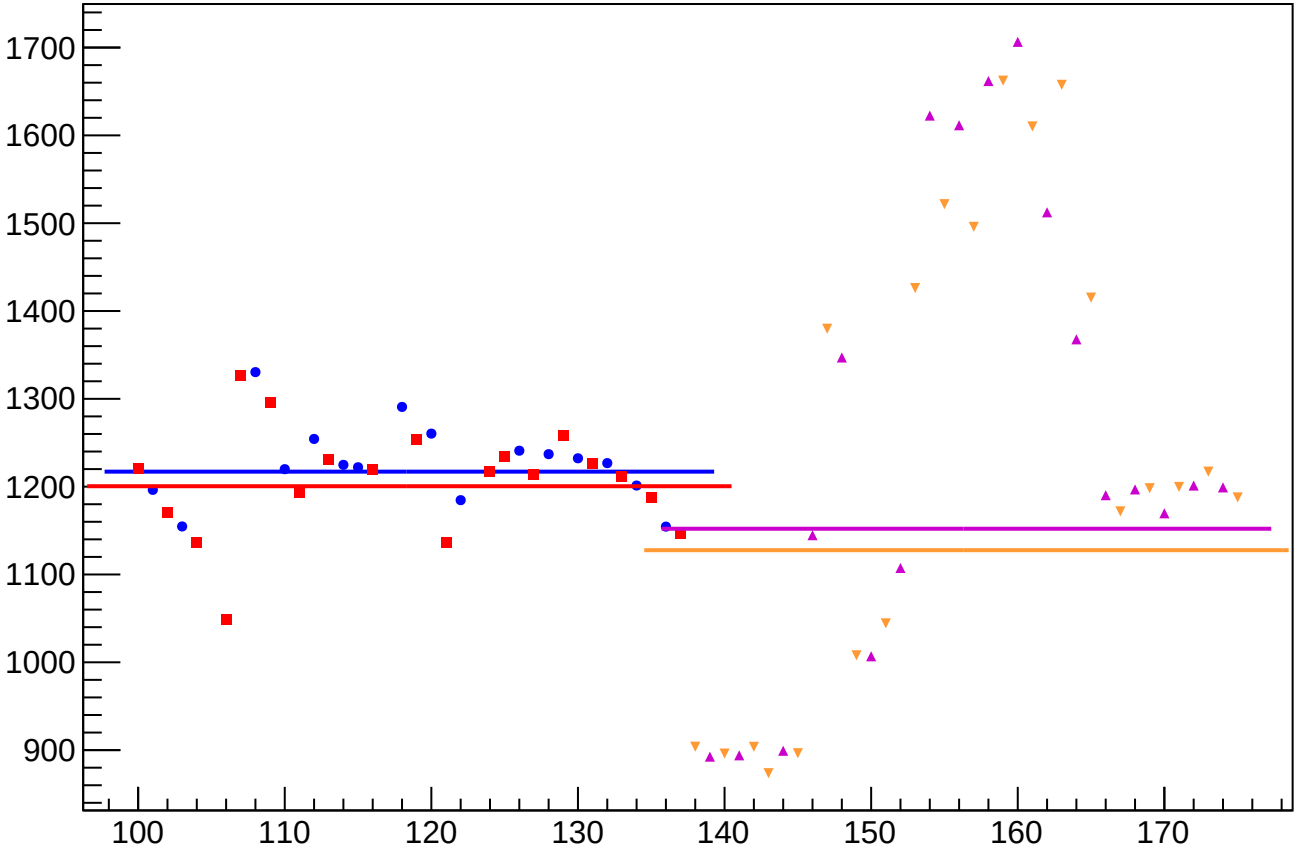
Left In: 2.178+/-0.307 χ^2/NDF:156.3/17

+ sign 1.171+/-0.245 χ^2/NDF: 315.9/35

All: 1.802+/-0.175 χ^2/NDF: 523.4/72

- sign 2.468+/-0.251 χ^2/NDF: 193.9/36

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1127.648+/-0.206 χ^2/NDF:1439213.8/19

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

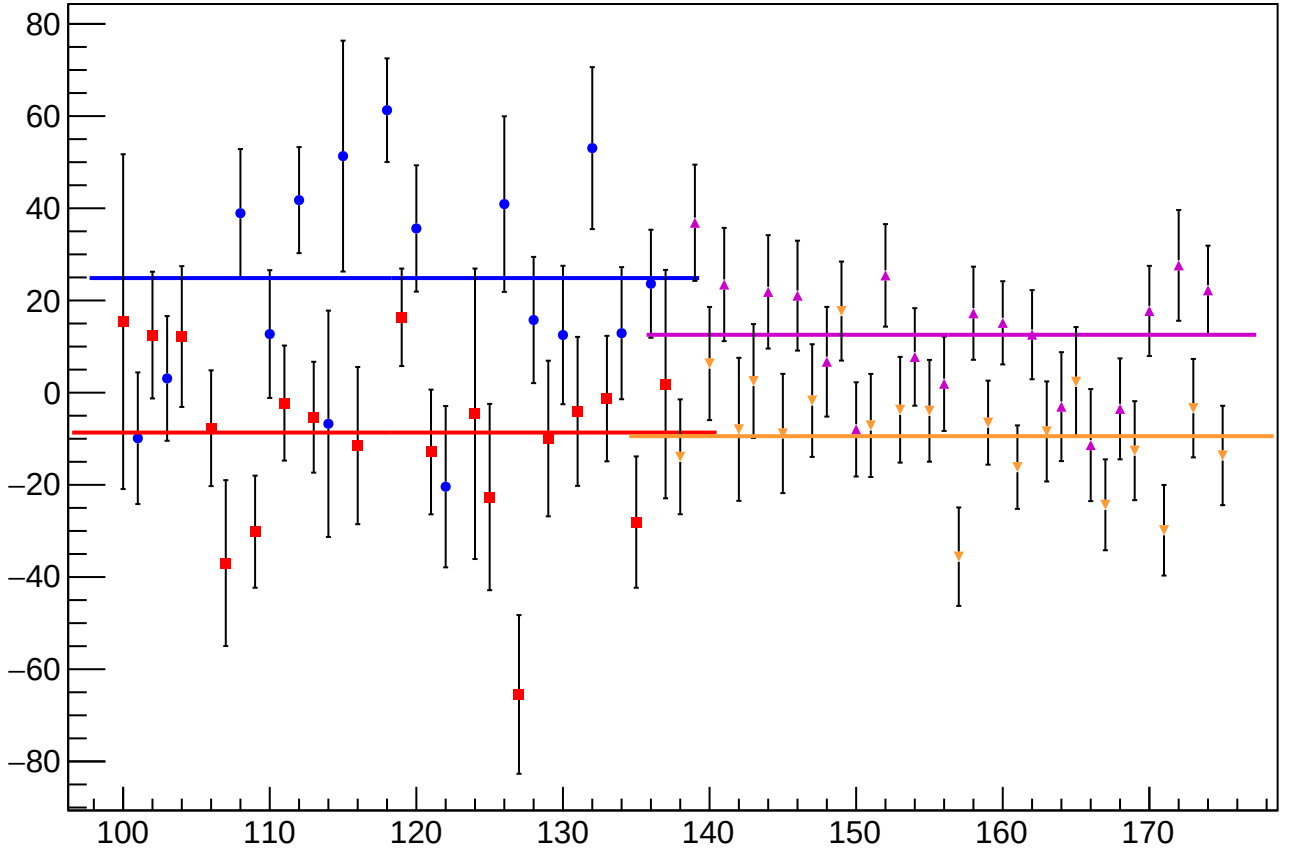
Left In: 1152.078+/-0.217 χ^2/NDF:1249913.1/17

+ sign 1153.840+/-0.173 χ^2/NDF: 1516186.6/35

All: 1160.731+/-0.124 χ^2/NDF: 2823390.1/72

- sign 1167.992+/-0.178 χ^2/NDF: 1303949.1/36

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -9.439+/-2.468 χ^2/NDF:24.8/19

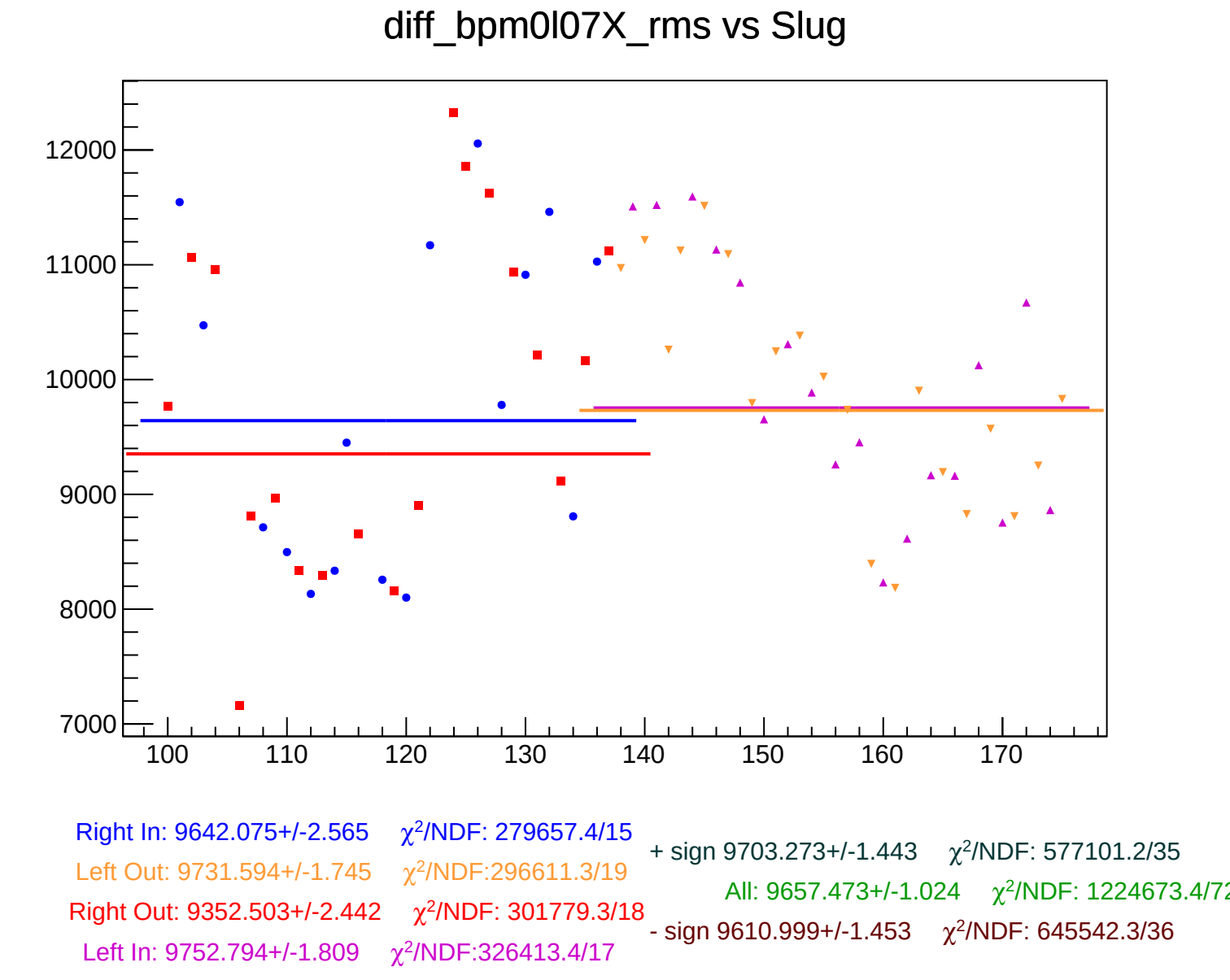
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 12.556+/-2.558 χ^2/NDF:23.4/17

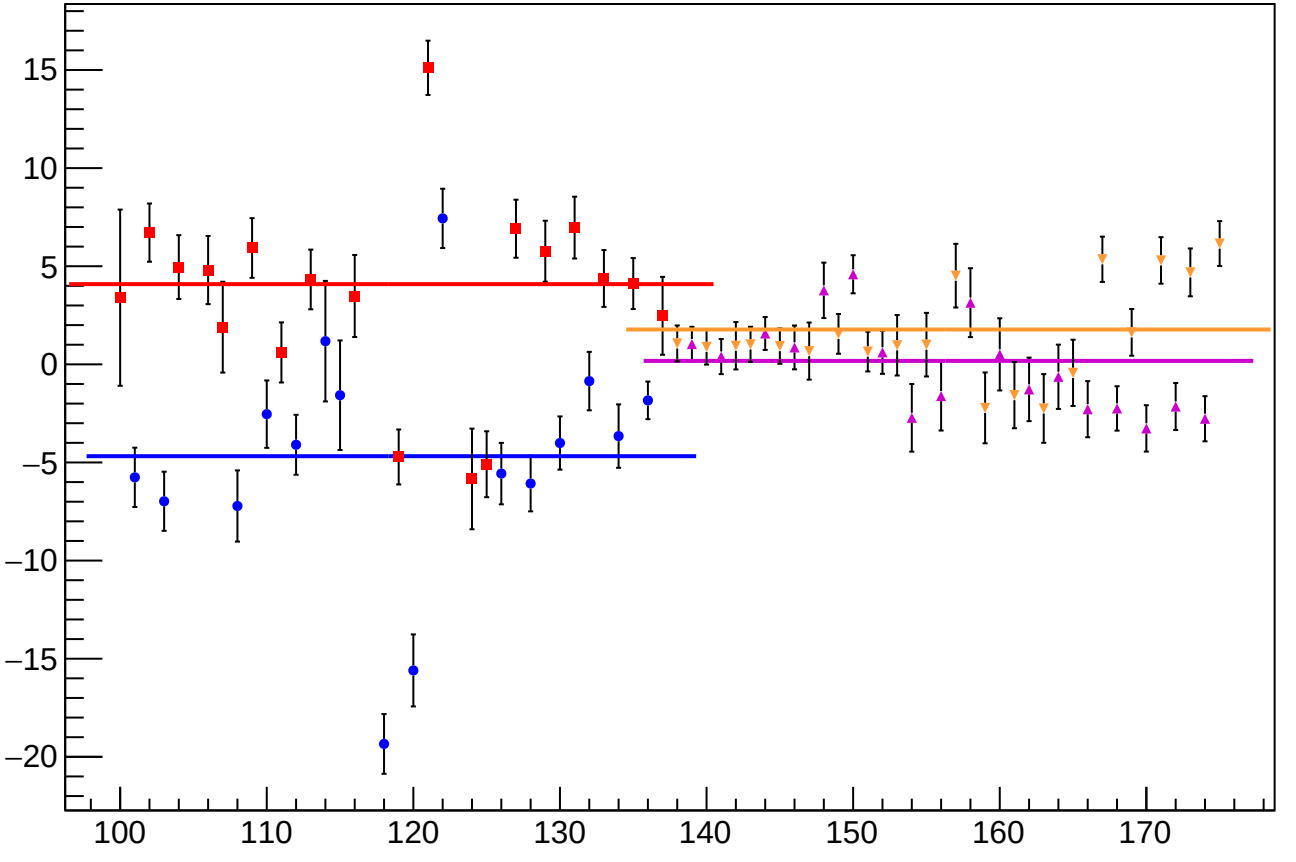
+ sign 1.412+/-2.041 χ^2/NDF: 124.1/35

All: 3.213+/-1.448 χ^2/NDF: 203.6/72

- sign 5.041+/-2.056 χ^2/NDF: 77.9/36


diff_bpm0l07X_rms vs Slug
12000
11000
10000
9000
8000
7000
100
110
120
130
140
150
160
170
Right In: 9642.075+/-2.565 χ²/NDF: 279657.4/15
Left Out: 9731.594+/-1.745 χ²/NDF:296611.3/19
Right Out: 9352.503+/-2.442 χ²/NDF: 301779.3/18
Left In: 9752.794+/-1.809 χ²/NDF:326413.4/17
+ sign 9703.273+/-1.443 χ²/NDF: 577101.2/35
All: 9657.473+/-1.024 χ²/NDF: 1224673.4/72
- sign 9610.999+/-1.453 χ²/NDF: 645542.3/36

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.775+/-0.266 χ^2/NDF:63.4/19

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

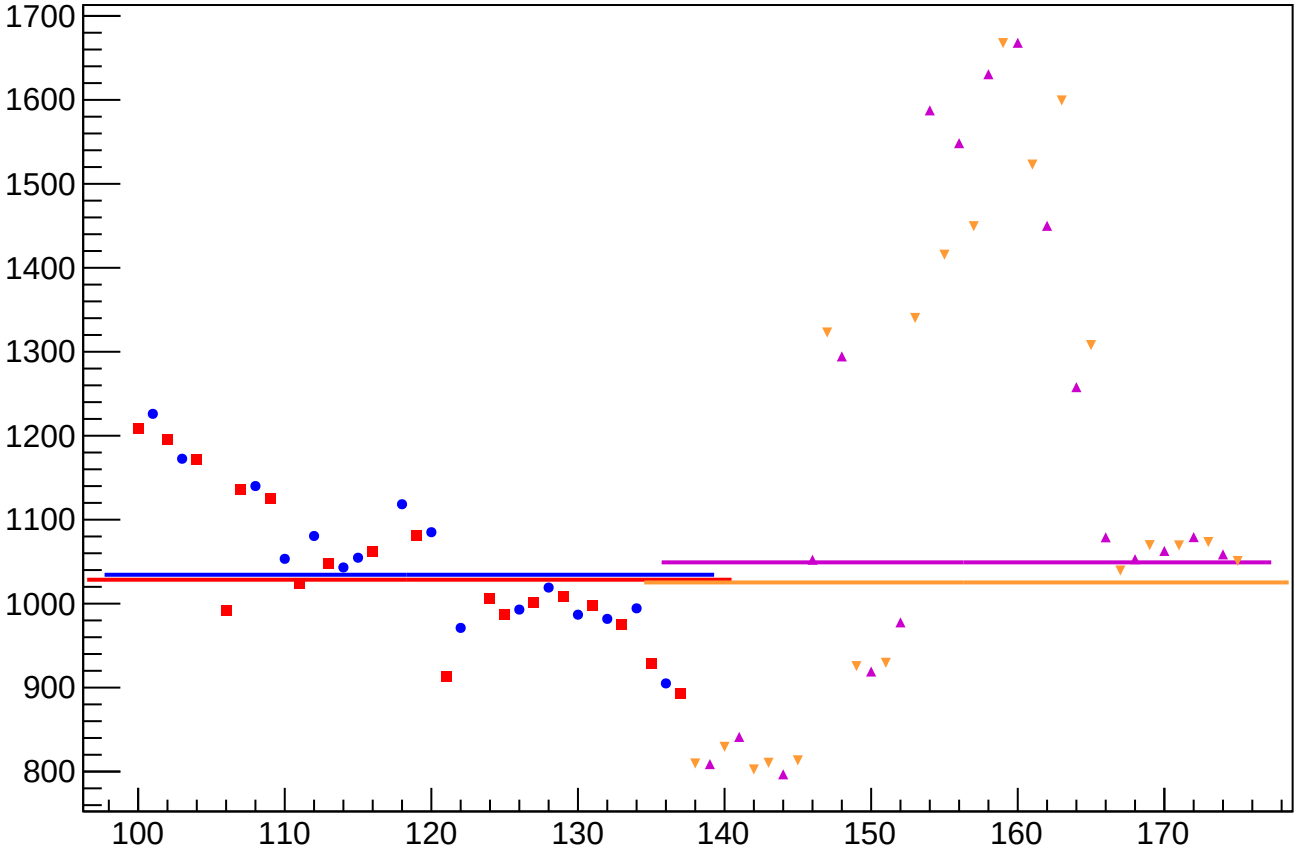
Left In: 0.177+/-0.281 χ^2/NDF:65.7/17

+ sign -0.307+/-0.219 χ^2/NDF: 474.3/35

All: 0.609+/-0.157 χ^2/NDF: 813.2/72

- sign 1.578+/-0.225 χ^2/NDF: 303.0/36

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1025.250+/-0.188 χ^2/NDF:1662892.9/19

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

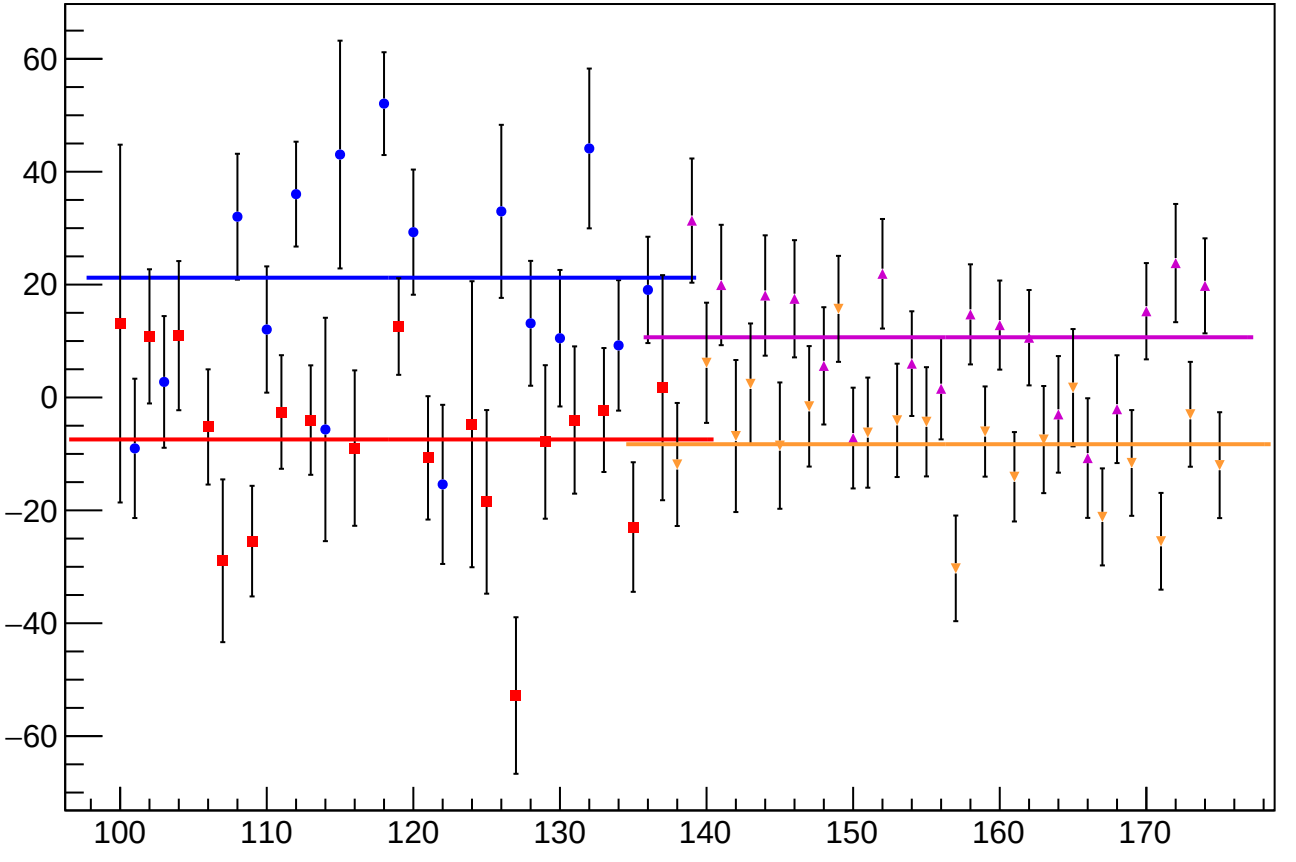
Left In: 1049.165+/-0.199 χ^2/NDF:1502881.0/17

+ sign 1028.202+/-0.155 χ^2/NDF: 1776934.1/35

All: 1034.790+/-0.111 χ^2/NDF: 3389027.8/72

- sign 1041.758+/-0.159 χ^2/NDF: 1608373.3/36

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -8.281+/-2.154 χ^2/NDF:24.2/19

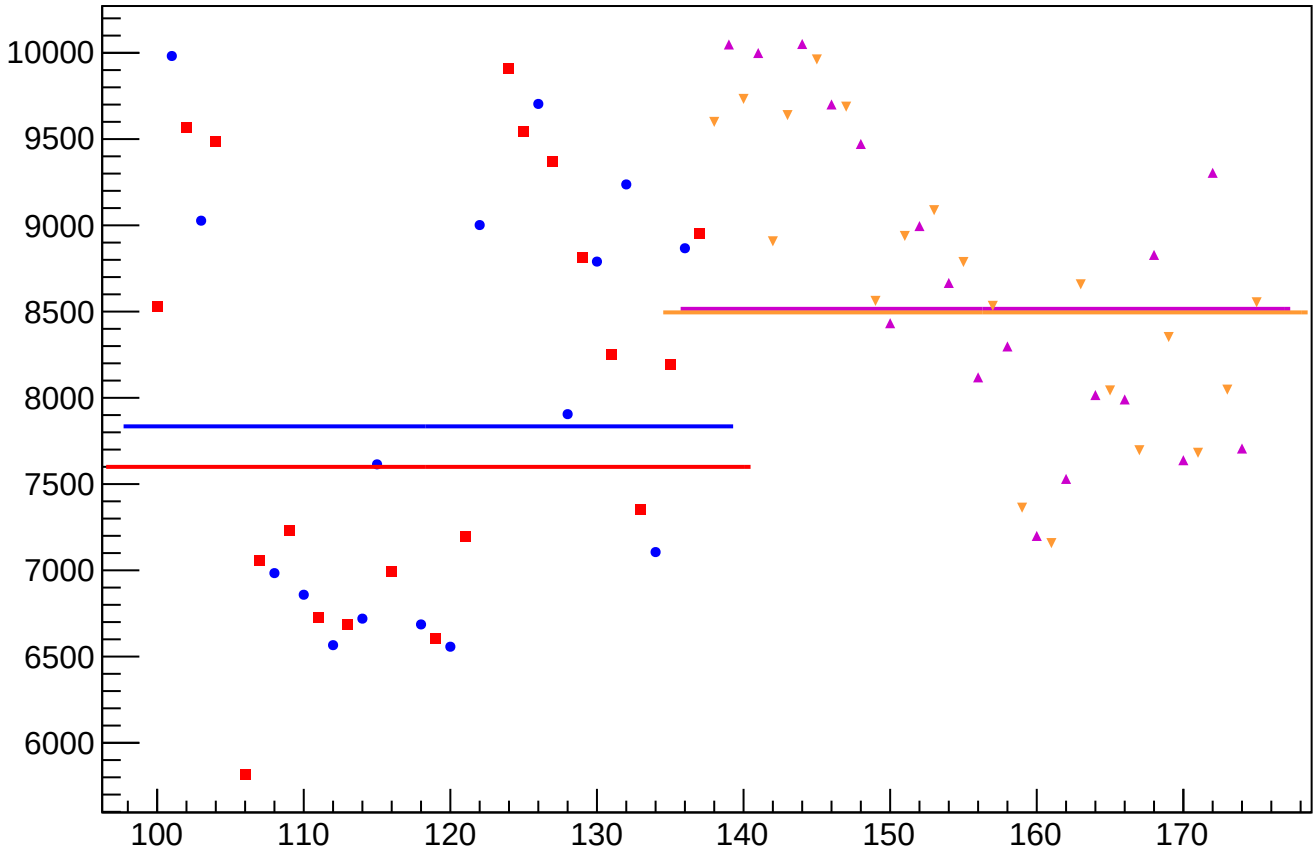
Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: 10.669+/-2.233 χ^2/NDF:23.0/17

+ sign 1.971+/-1.740 χ^2/NDF: 129.5/35

All: 2.813+/-1.233 χ^2/NDF: 208.2/72

- sign 3.662+/-1.748 χ^2/NDF: 78.2/36



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8495.300+/-1.523 χ^2/NDF:286625.6/19

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

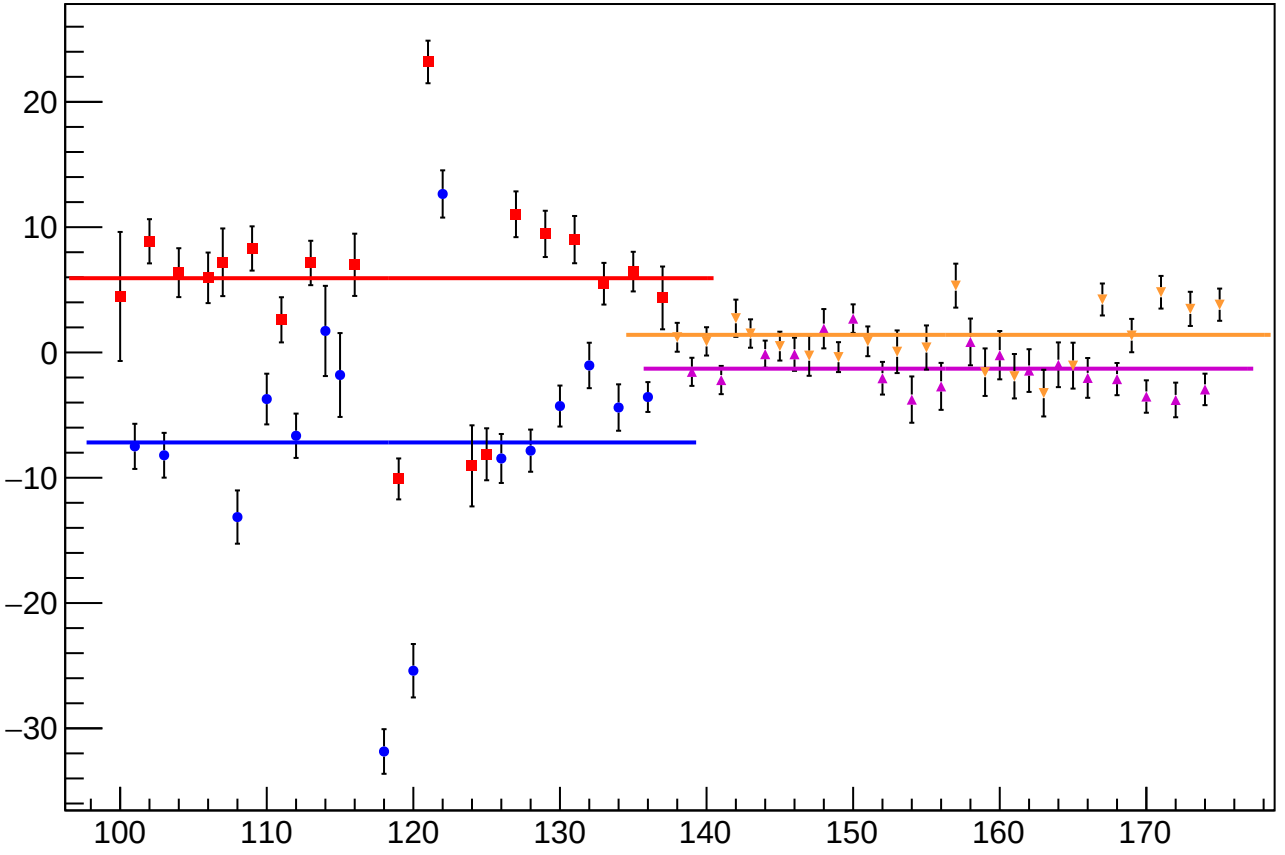
Left In: 8515.827+/-1.579 χ^2/NDF:318225.9/17

+ sign 8265.729+/-1.230 χ^2/NDF: 670094.3/35

All: 8213.762+/-0.872 χ^2/NDF: 1466472.0/72

- sign 8161.299+/-1.236 χ^2/NDF: 792792.8/36

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.406+/-0.310 χ^2/NDF:42.6/19

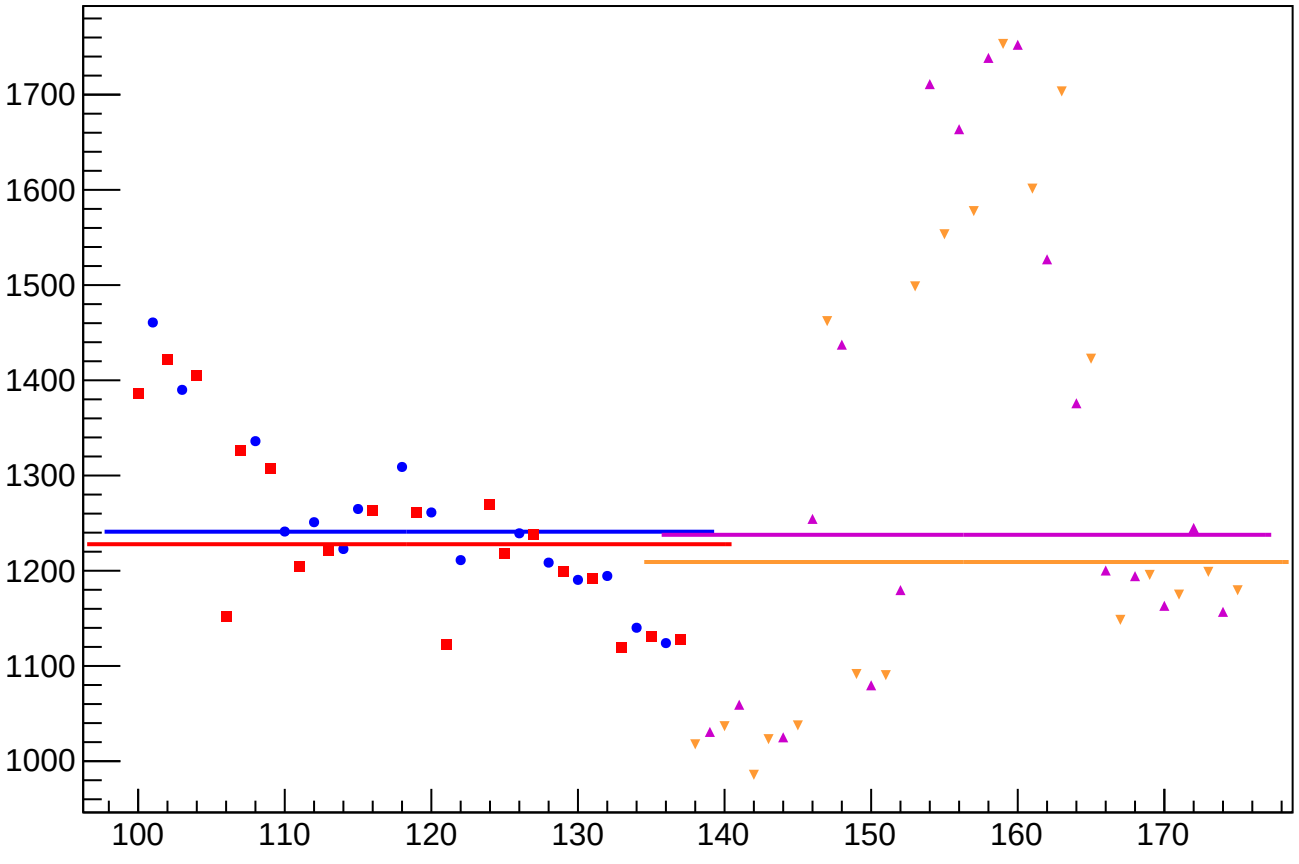
Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: -1.294+/-0.328 χ^2/NDF:32.0/17

+ sign -1.258+/-0.257 χ^2/NDF: 702.9/35

All: -0.057+/-0.185 χ^2/NDF: 1238.7/72

- sign 1.213+/-0.265 χ^2/NDF: 491.1/36



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1209.184+/-0.219 χ^2/NDF:994452.2/19

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

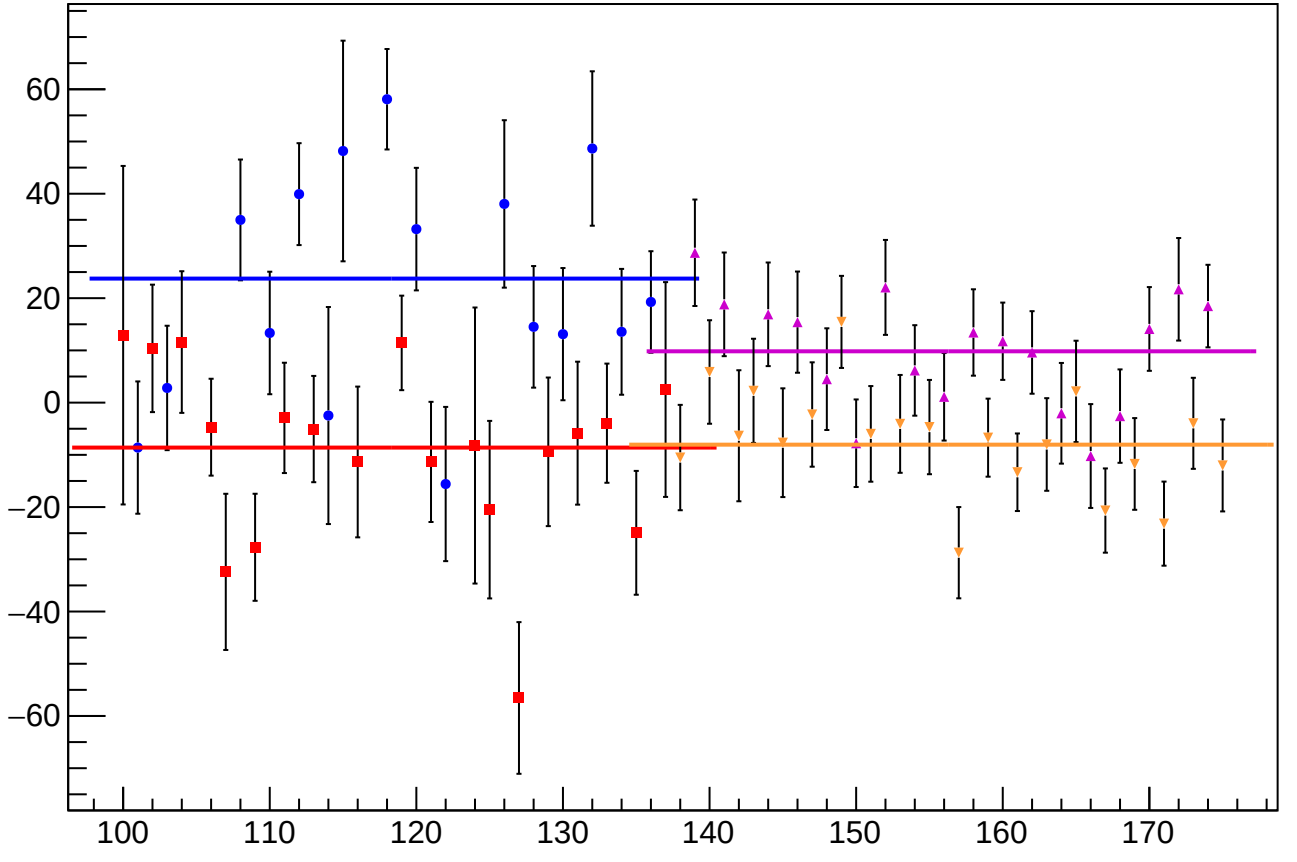
Left In: 1237.741+/-0.232 χ^2/NDF:879814.5/17

+ sign 1219.055+/-0.182 χ^2/NDF: 1081641.9/35

All: 1226.474+/-0.130 χ^2/NDF: 2047841.4/72

- sign 1234.312+/-0.187 χ^2/NDF: 962785.0/36

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -8.049+/-2.014 χ^2/NDF:24.8/19

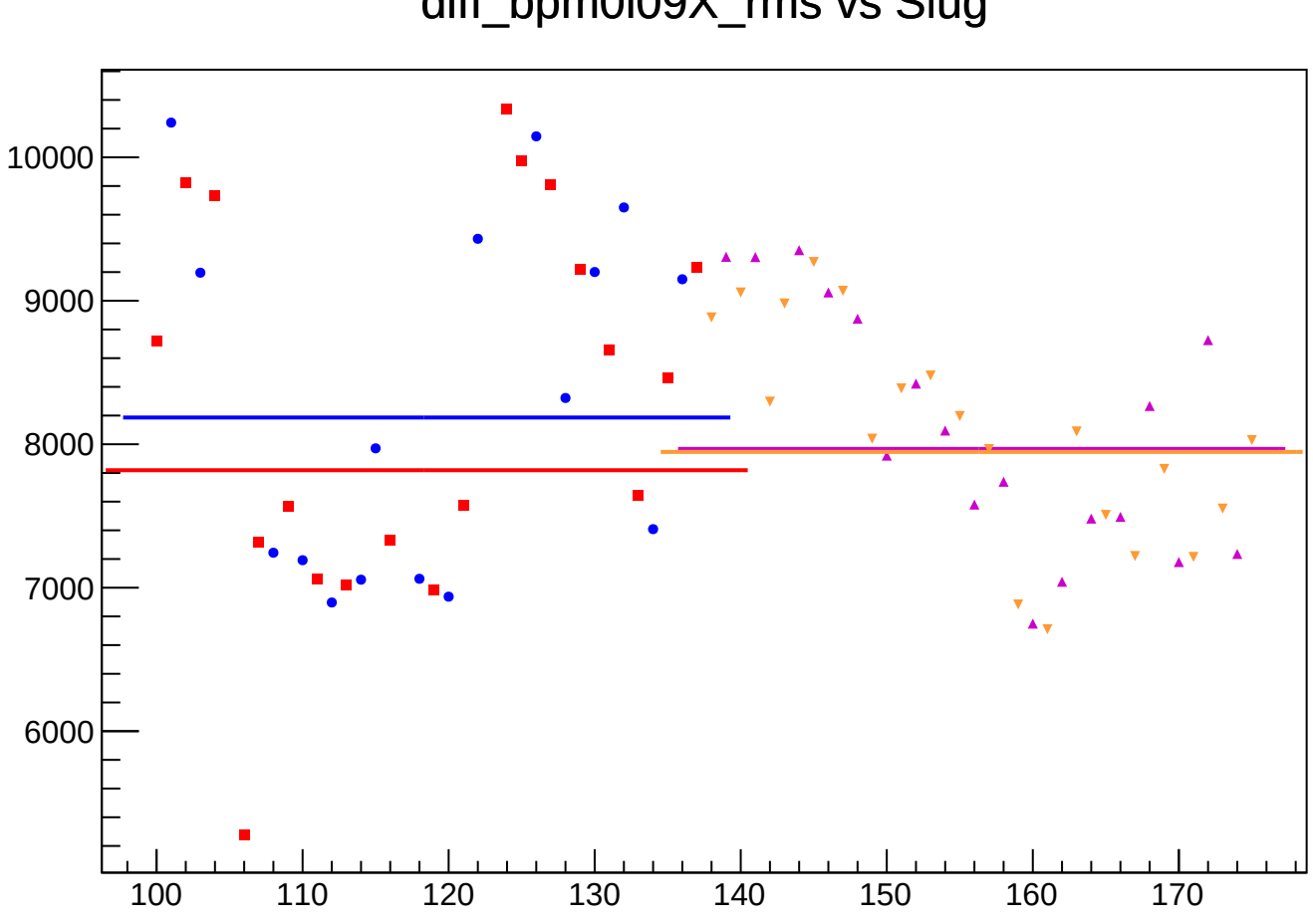
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 9.826+/-2.089 χ^2/NDF:23.6/17

+ sign 1.471+/-1.686 χ^2/NDF: 142.8/35

All: 2.494+/-1.195 χ^2/NDF: 224.2/72

- sign 3.527+/-1.695 χ^2/NDF: 80.7/36



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 7946.643+/-1.424 χ^2/NDF:273872.0/19

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

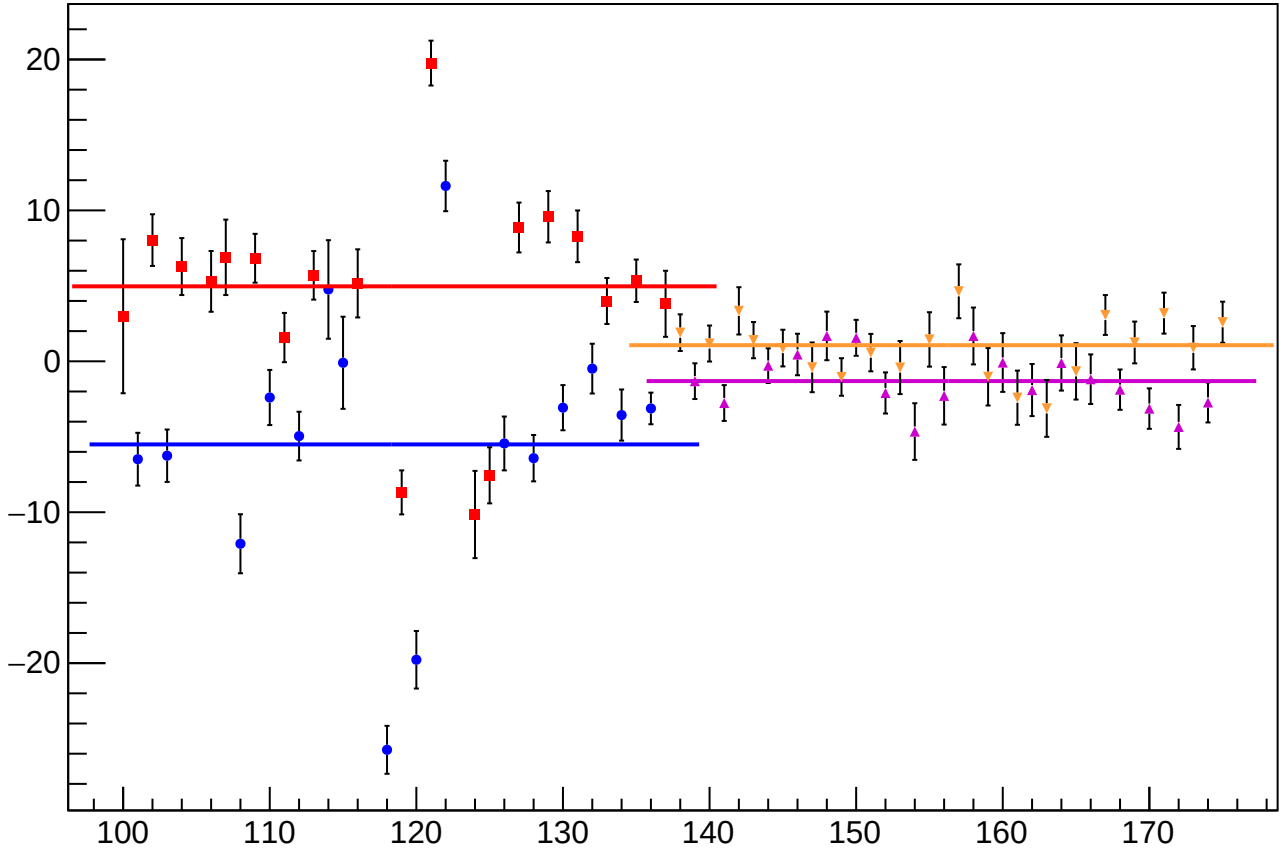
Left In: 7967.398+/-1.477 χ^2/NDF:305779.3/17

+ sign 8018.414+/-1.192 χ^2/NDF: 572980.9/35

All: 7967.804+/-0.845 χ^2/NDF: 1308832.3/72

- sign 7916.681+/-1.198 χ^2/NDF: 732229.1/36

diff_bpm0l09Y_mean vs Slug



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.069+/-0.323 χ^2/NDF:28.0/19

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

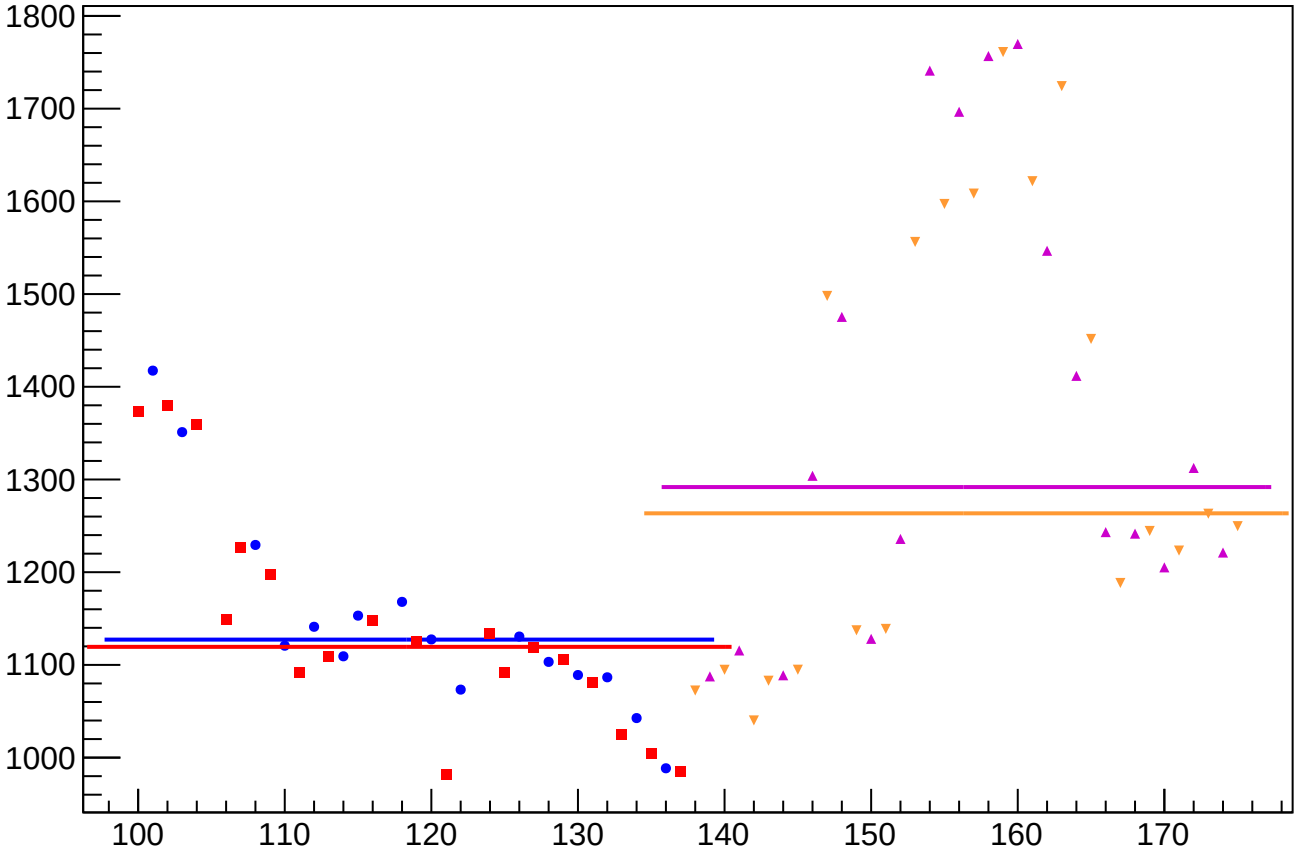
Left In: -1.310+/-0.341 χ^2/NDF:27.9/17

+ sign -1.368+/-0.256 χ^2/NDF: 551.4/35

All: -0.088+/-0.183 χ^2/NDF: 1056.3/72

- sign 1.253+/-0.262 χ^2/NDF: 453.7/36

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1263.495+/-0.228 χ^2/NDF:858712.1/19

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

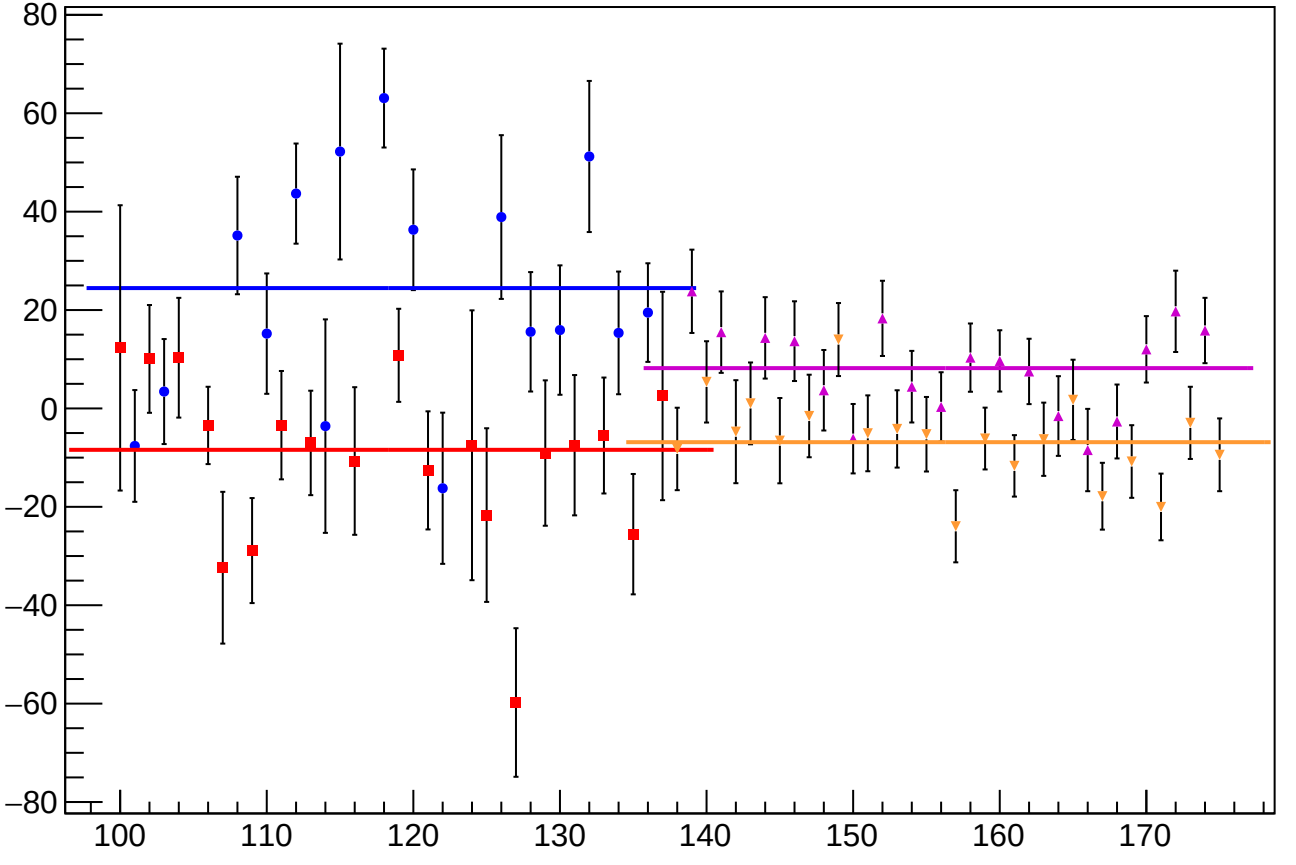
Left In: 1291.829+/-0.241 χ^2/NDF:752184.5/17

+ sign 1213.009+/-0.181 χ^2/NDF: 1131153.5/35

All: 1217.138+/-0.130 χ^2/NDF: 2233930.0/72

- sign 1221.461+/-0.185 χ^2/NDF: 1101713.6/36

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -6.857+/-1.691 χ^2/NDF:25.9/19

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

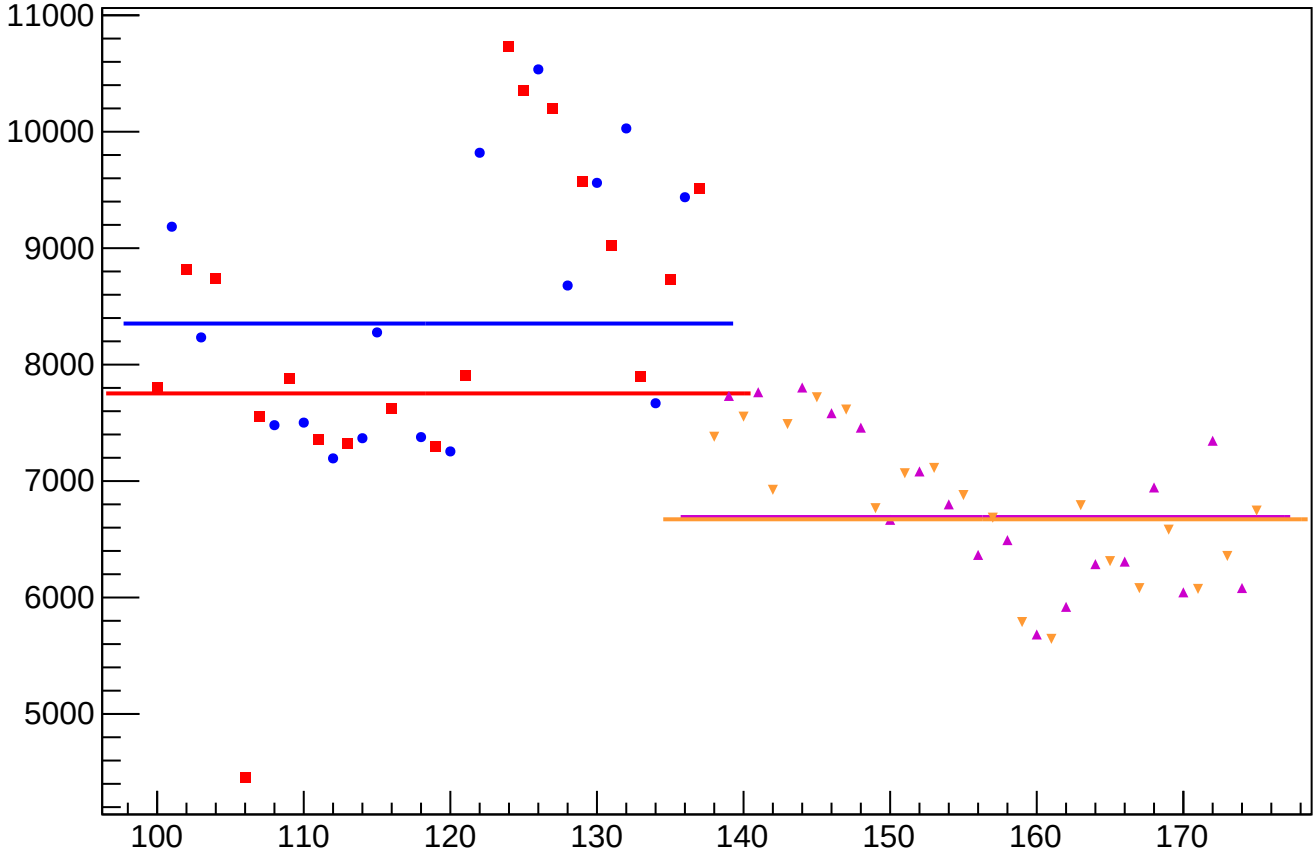
Left In: 8.194+/-1.753 χ^2/NDF:24.1/17

+ sign 0.195+/-1.488 χ^2/NDF: 151.5/35

All: 1.949+/-1.056 χ^2/NDF: 233.7/72

- sign 3.728+/-1.499 χ^2/NDF: 79.4/36

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6671.757+/-1.195 χ^2/NDF:258230.9/19

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

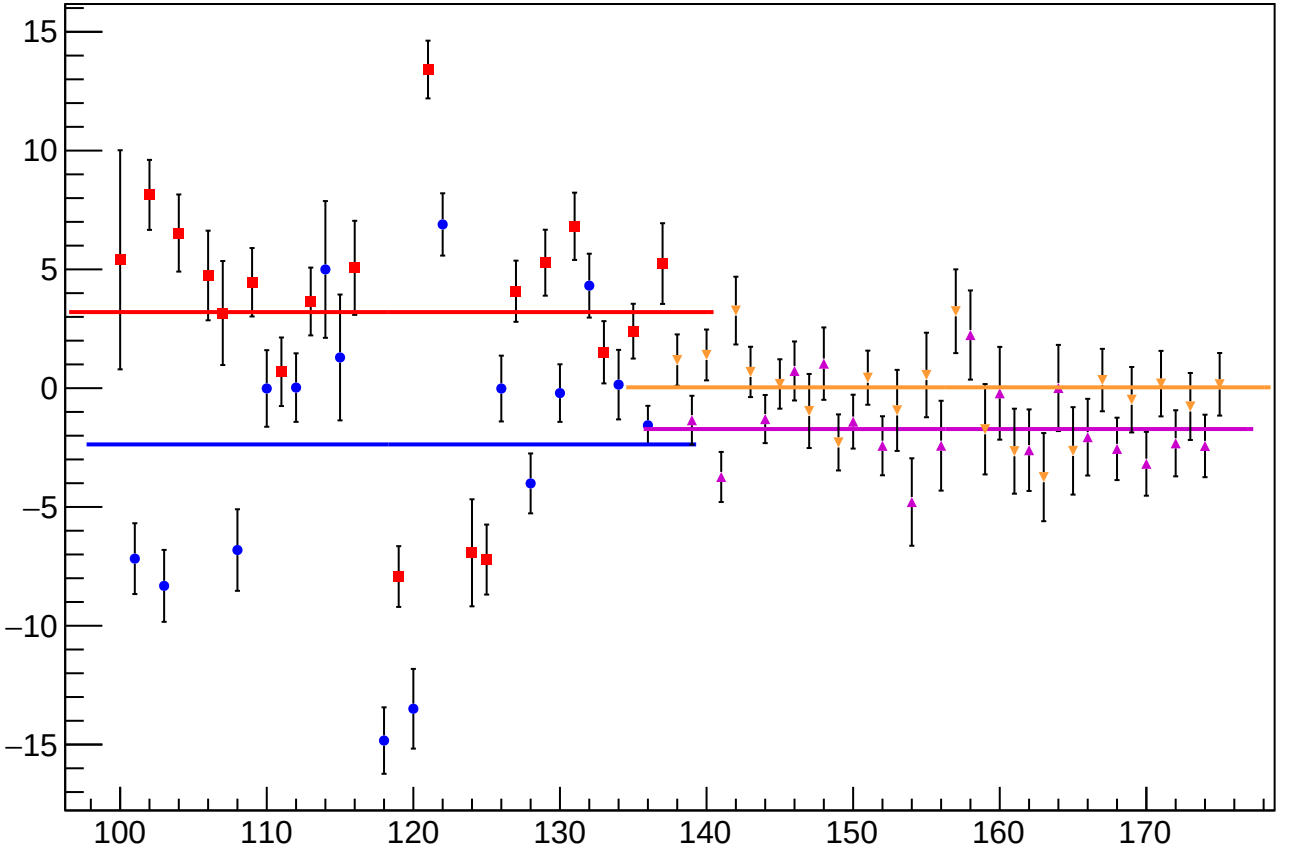
Left In: 6691.367+/-1.240 χ^2/NDF:291827.3/17

+ sign 7050.275+/-1.052 χ^2/NDF: 923866.9/35

All: 7013.807+/-0.747 χ^2/NDF: 2003239.7/72

- sign 6976.795+/-1.060 χ^2/NDF: 1076952.9/36

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.036+/-0.304 χ^2/NDF:26.3/19

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

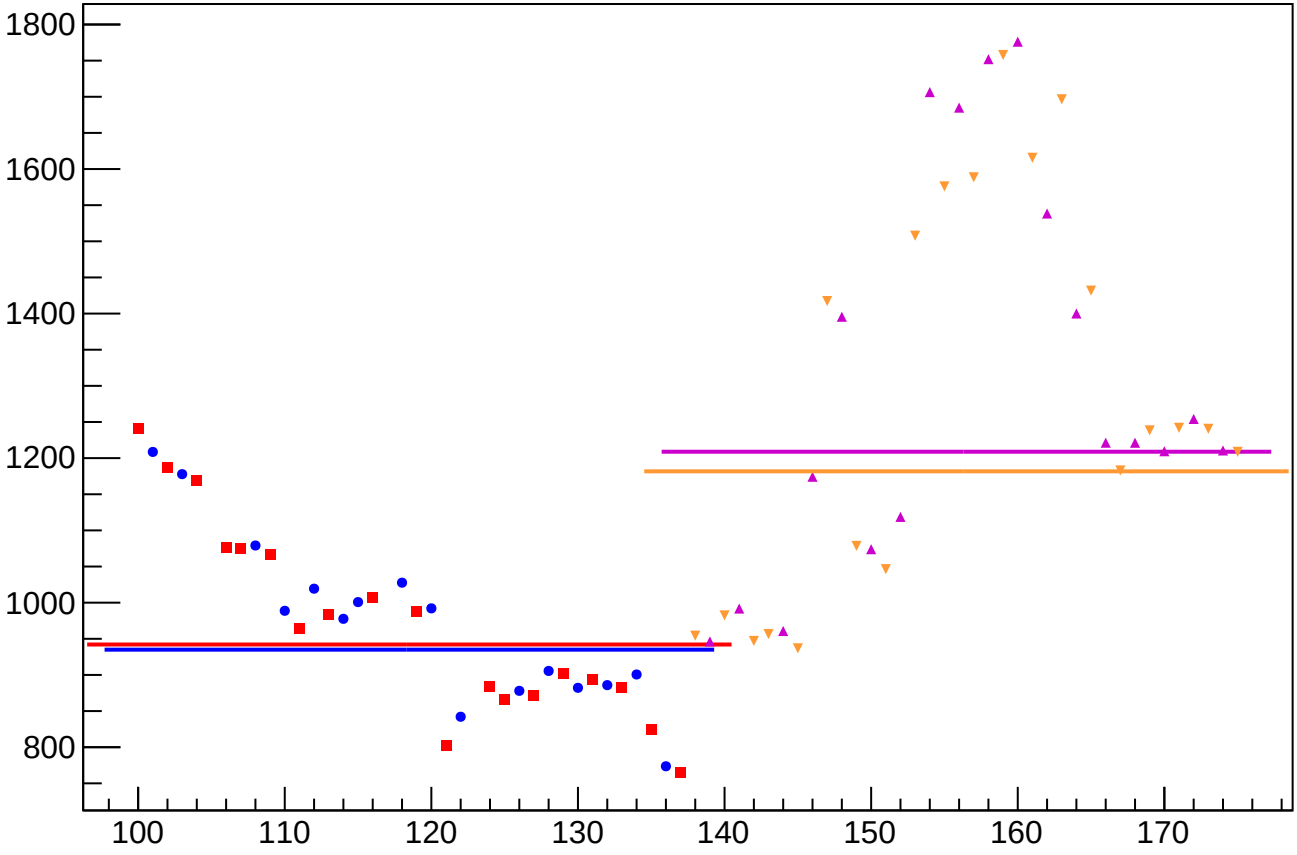
Left In: -1.720+/-0.321 χ^2/NDF:22.8/17

+ sign -0.997+/-0.230 χ^2/NDF: 308.7/35

All: -0.240+/-0.164 χ^2/NDF: 712.9/72

- sign 0.555+/-0.235 χ^2/NDF: 381.9/36

diff_bpm0l10Y_rms vs Slug



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1181.728+/-0.215 χ^2/NDF:1284235.2/19

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

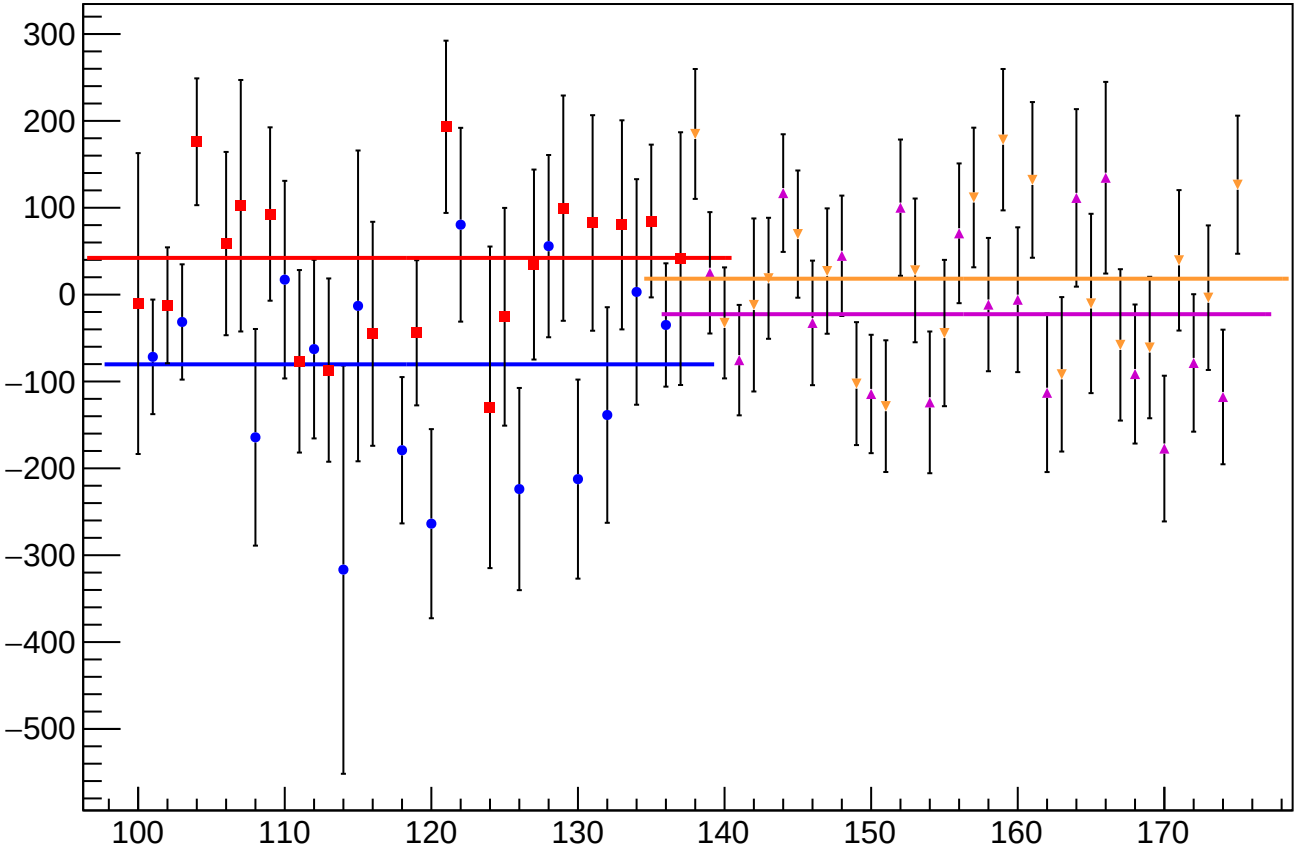
Left In: 1208.855+/-0.227 χ^2/NDF:1113080.3/17

+ sign 1075.696+/-0.162 χ^2/NDF: 2104056.2/35

All: 1080.506+/-0.116 χ^2/NDF: 4089380.9/72

- sign 1085.559+/-0.167 χ^2/NDF: 1983527.1/36

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 18.324+/-17.793 χ^2/NDF:25.6/19

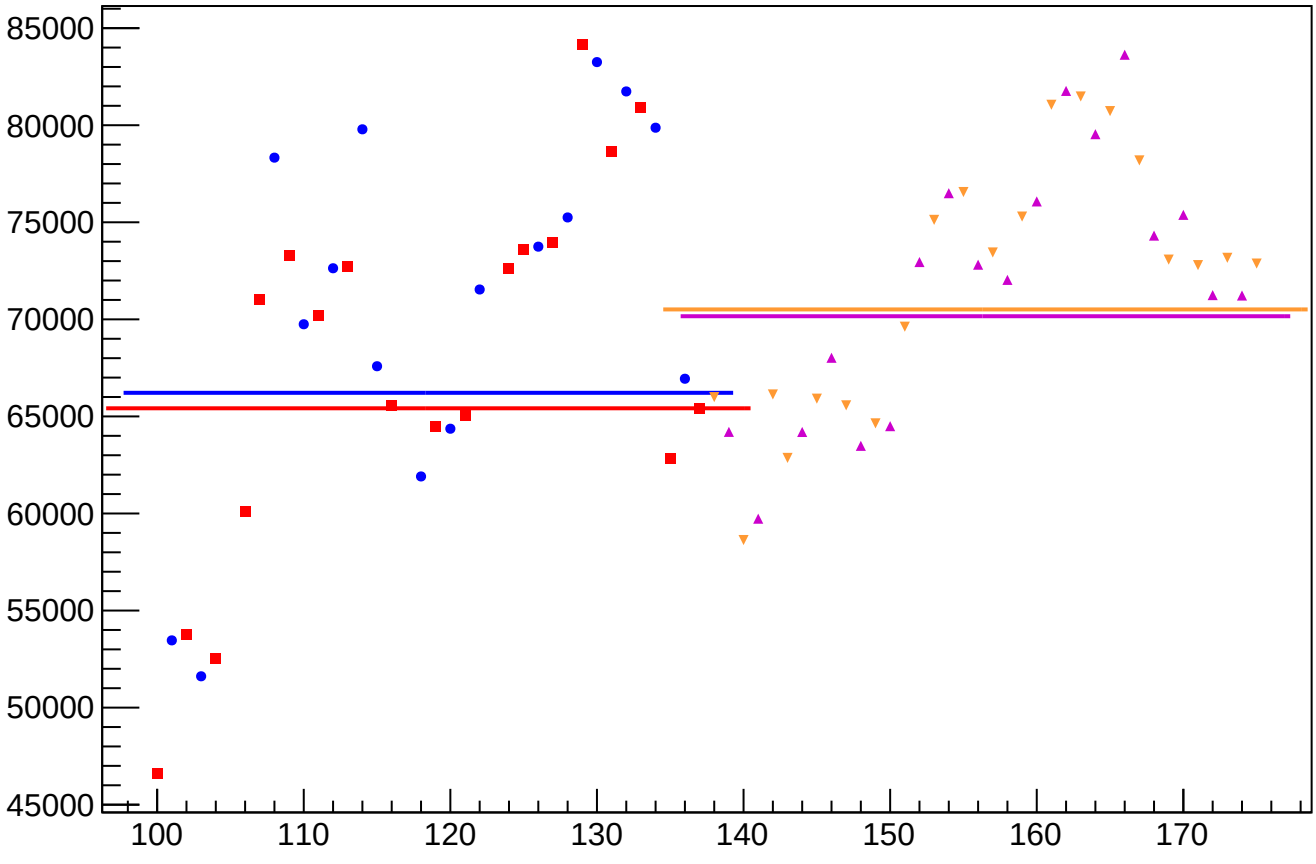
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -22.535+/-18.282 χ^2/NDF:24.4/17

+ sign -14.981+/-14.479 χ^2/NDF: 50.7/35

All: -7.004+/-10.272 χ^2/NDF: 93.4/72

- sign 1.079+/-14.575 χ^2/NDF: 42.0/36



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 70511.345+/-12.582 χ^2/NDF:262394.3/19

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

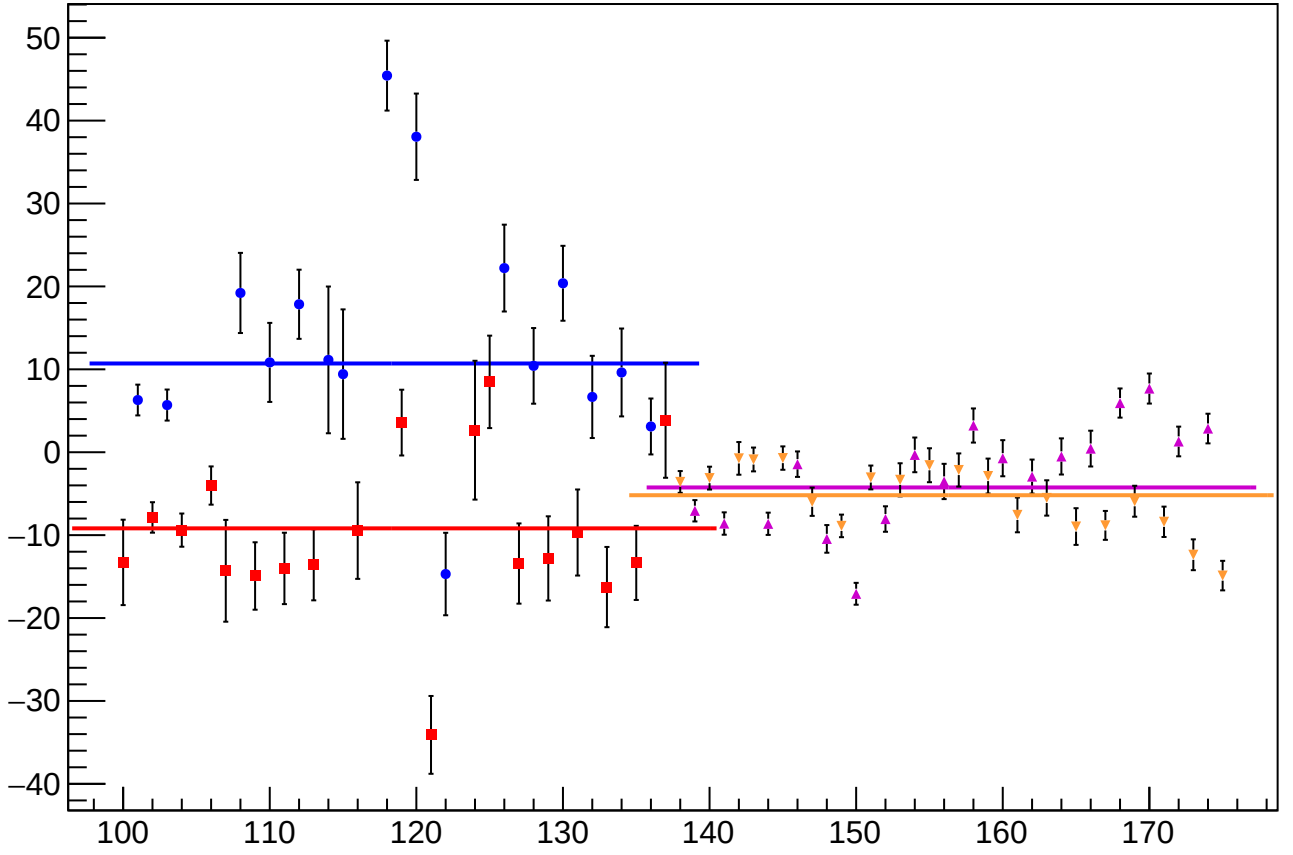
Left In: 70160.726+/-12.928 χ^2/NDF:238914.5/17

+ sign 69060.145+/-10.238 χ^2/NDF: 640148.7/35

All: 68748.458+/-7.263 χ^2/NDF: 1234522.5/7

- sign 68432.594+/-10.306 χ^2/NDF: 592507.7/36

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -5.185+/-0.382 χ^2/NDF:101.6/19

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

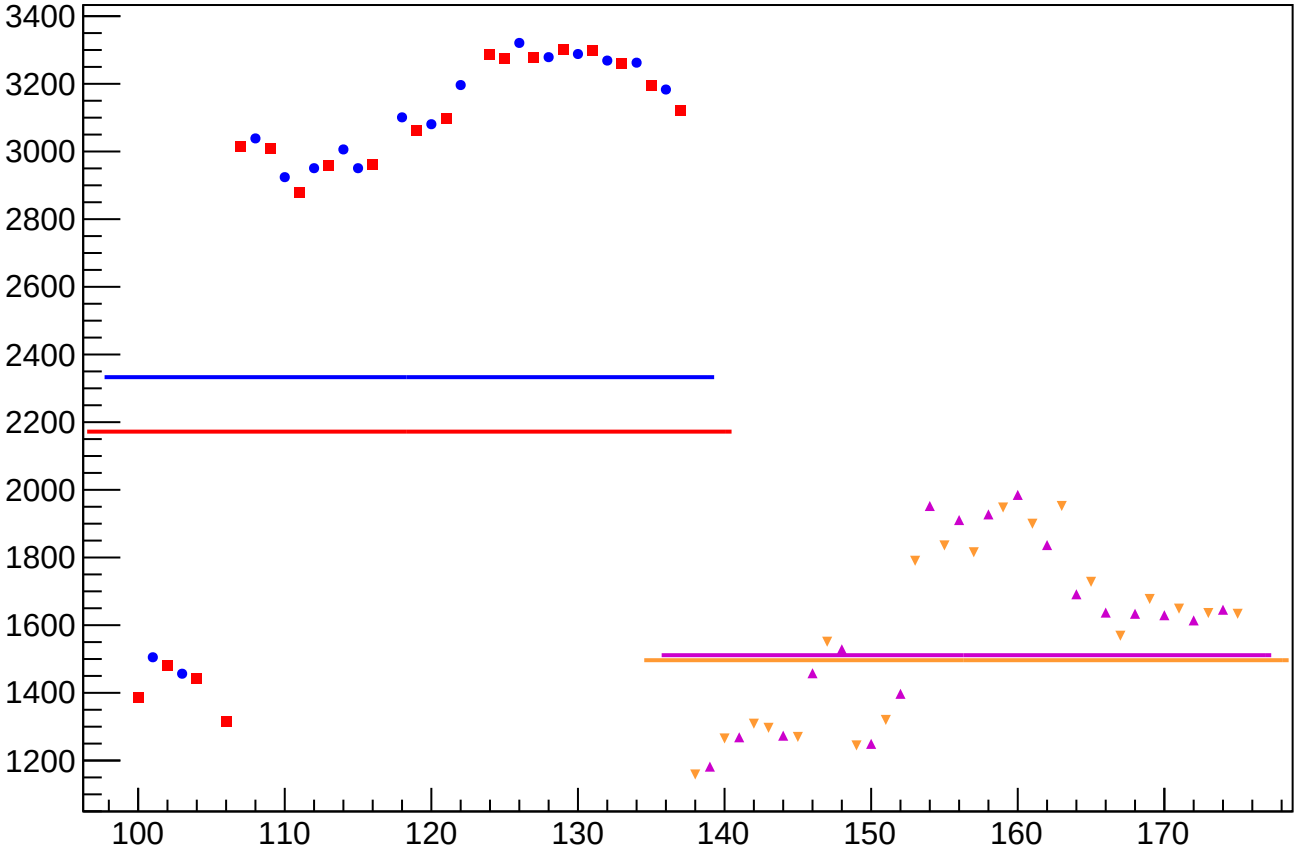
Left In: -4.249+/-0.398 χ^2/NDF:273.4/17

+ sign -2.851+/-0.353 χ^2/NDF: 511.3/35

All: -3.969+/-0.252 χ^2/NDF: 902.4/72

- sign -5.137+/-0.361 χ^2/NDF: 370.6/36

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1496.465+/-0.270 χ^2/NDF:885151.7/19

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

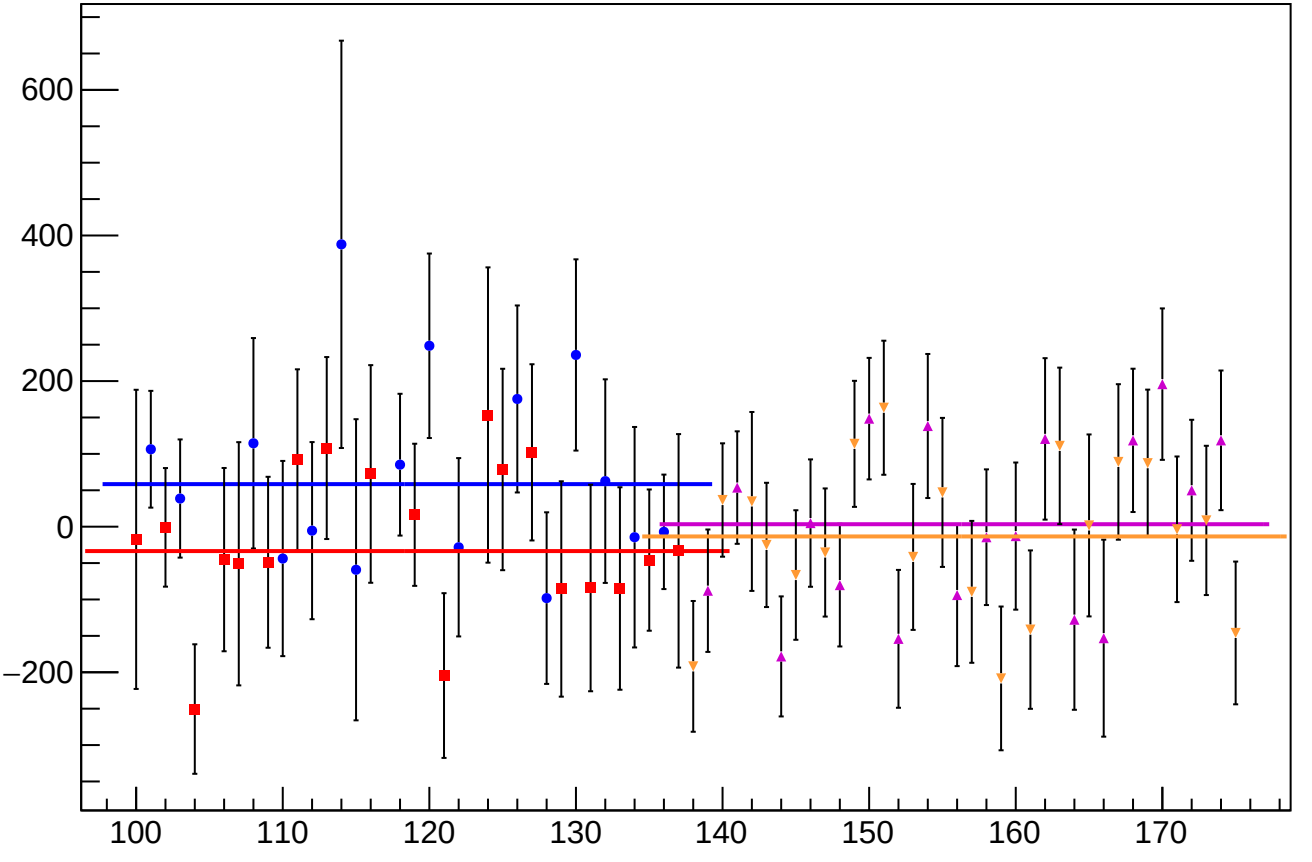
Left In: 1511.275+/-0.282 χ^2/NDF:793599.8/17

+ sign 1619.354+/-0.249 χ^2/NDF: 3945607.5/35

All: 1624.689+/-0.178 χ^2/NDF: 7714991.9/72

- sign 1630.267+/-0.255 χ^2/NDF: 3768449.0/36

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -13.422+/-21.710 χ^2/NDF:22.3/19

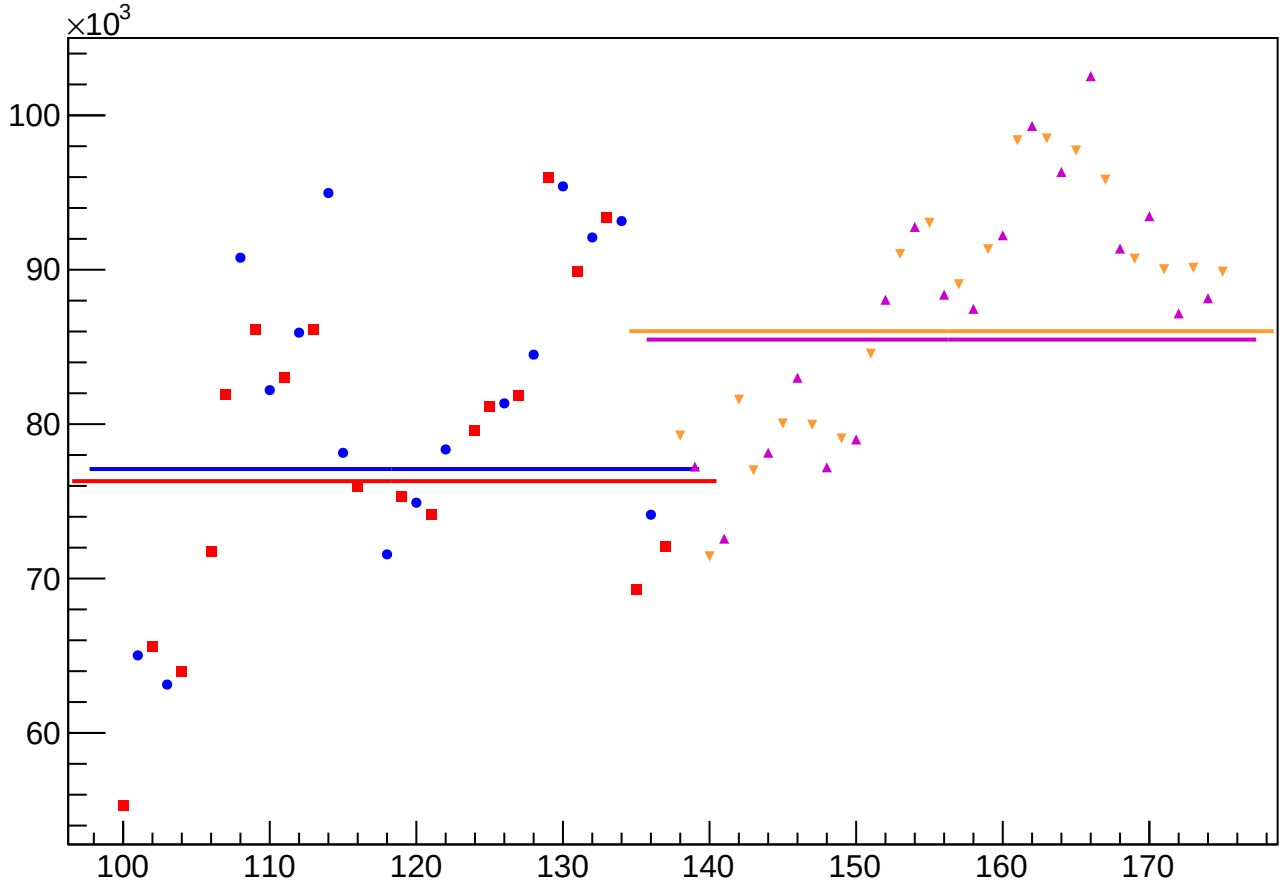
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 3.381+/-22.280 χ^2/NDF:26.2/17

+ sign 12.485+/-17.362 χ^2/NDF: 37.5/35

All: 0.878+/-12.311 χ^2/NDF: 80.3/72

- sign -10.859+/-17.459 χ^2/NDF: 41.9/36



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 86024.160+/-15.352 χ^2/NDF:261429.0/19

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

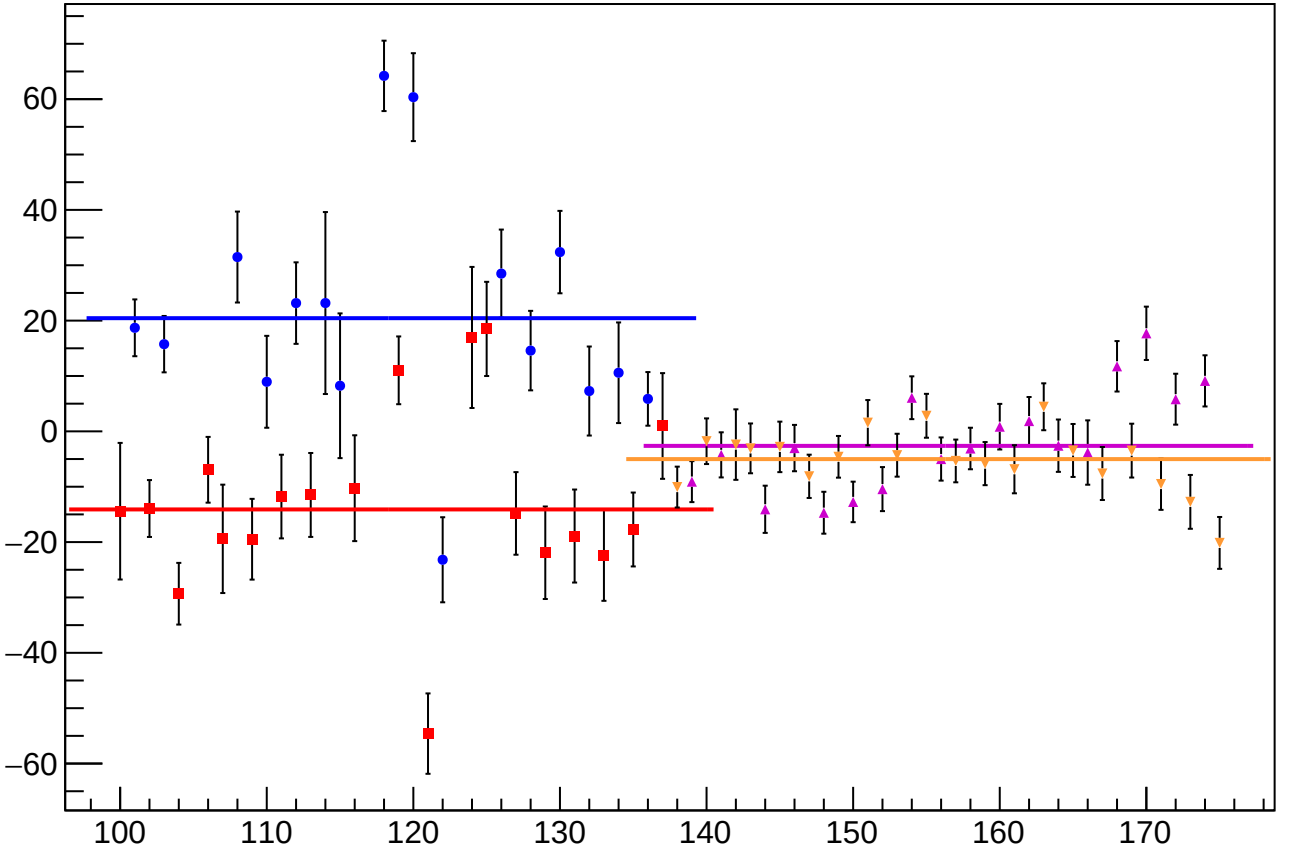
Left In: 85476.653+/-15.754 χ^2/NDF:246926.0/17

+ sign 82804.763+/-12.277 χ^2/NDF: 631974.0/35

All: 82374.199+/-8.705 χ^2/NDF: 1246493.8/7

- sign 81938.793+/-12.346 χ^2/NDF: 612045.9/36

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.013+/-0.960 χ^2/NDF:29.8/19

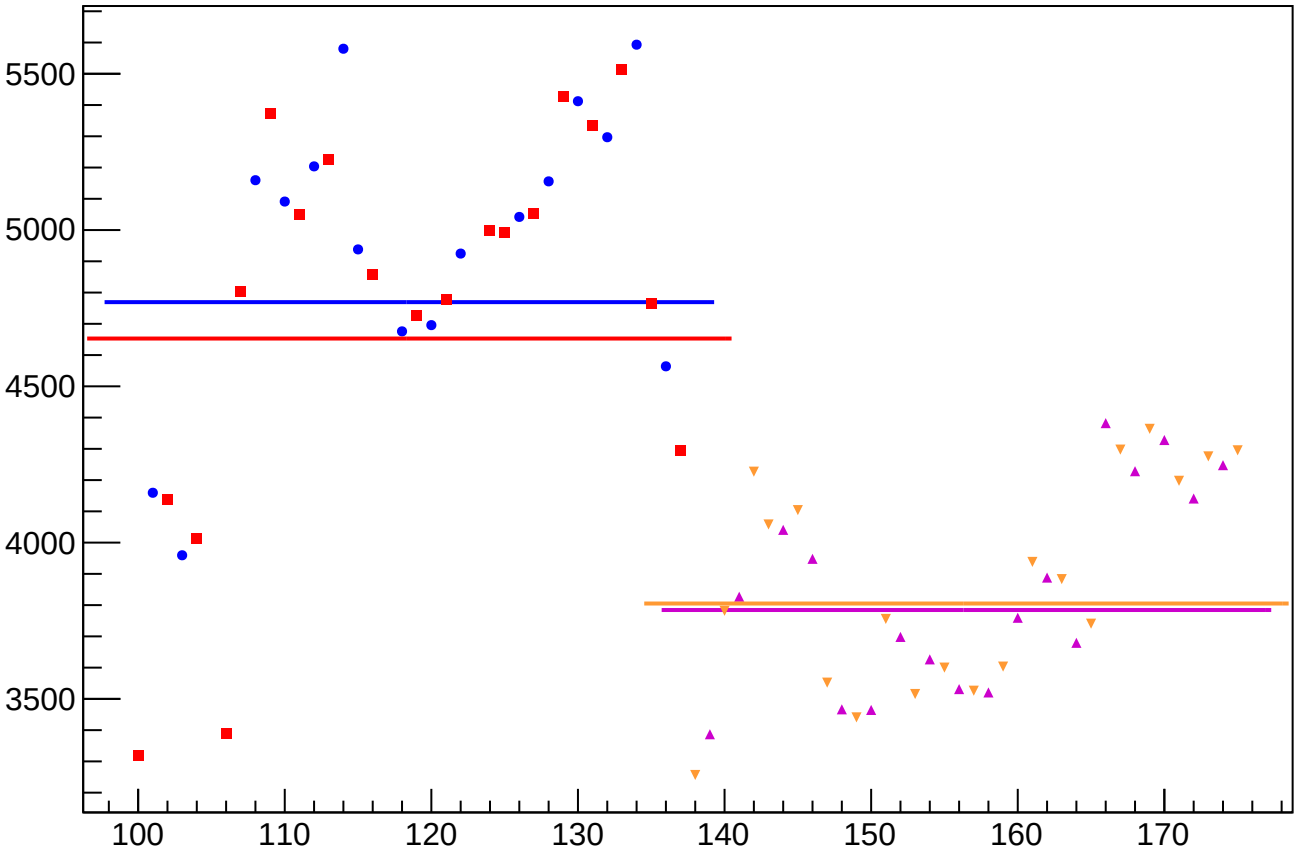
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -2.622+/-0.986 χ^2/NDF:77.0/17

+ sign 0.711+/-0.845 χ^2/NDF: 315.8/35

All: -2.348+/-0.601 χ^2/NDF: 536.8/72

- sign -5.478+/-0.855 χ^2/NDF: 194.5/36



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3805.125+/-0.679 χ^2/NDF:232995.1/19

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

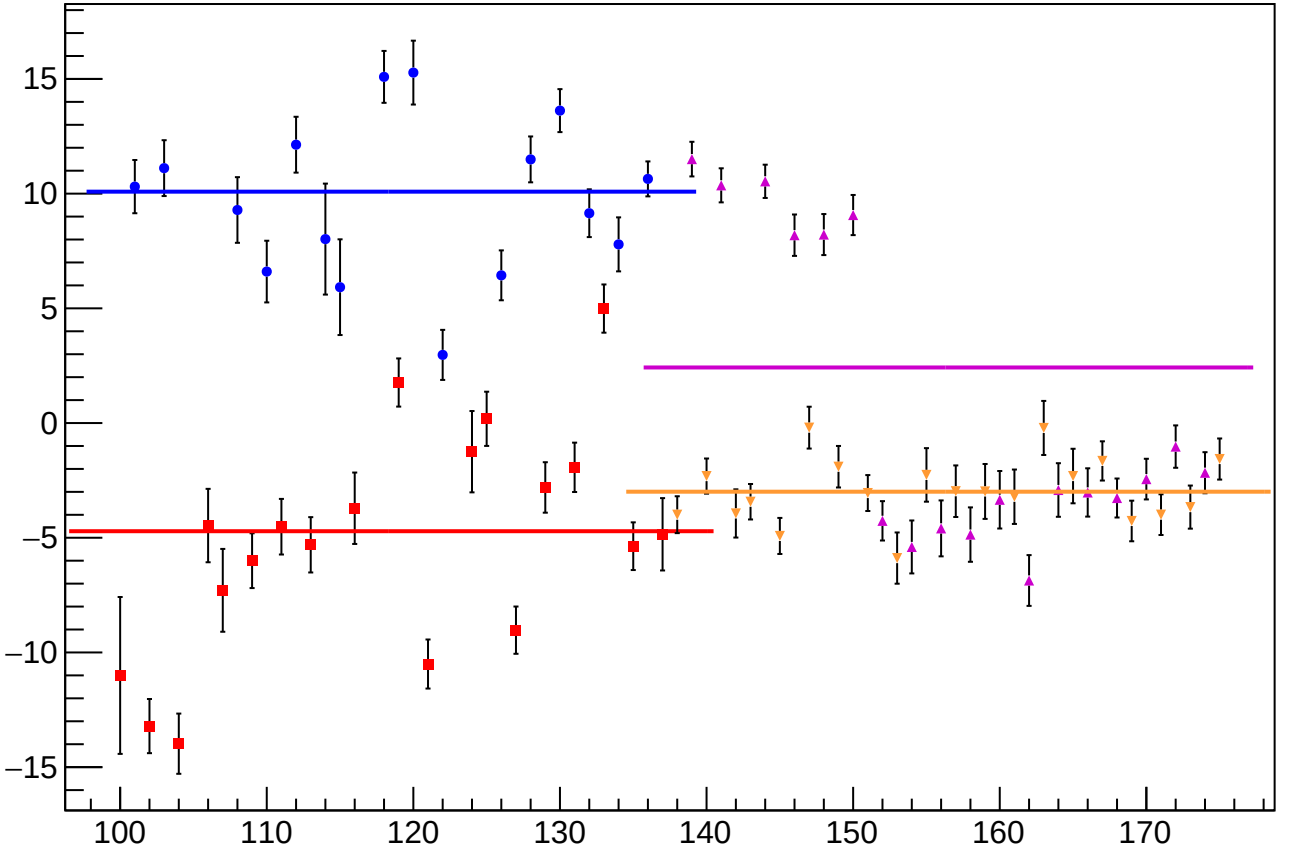
Left In: 3784.341+/-0.697 χ^2/NDF:185584.1/17

+ sign 4021.930+/-0.597 χ^2/NDF: 838617.6/35

All: 4011.275+/-0.425 χ^2/NDF: 1676014.4/72

- sign 4000.375+/-0.604 χ^2/NDF: 836753.4/36

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -2.993+/-0.209 χ^2/NDF:42.2/19

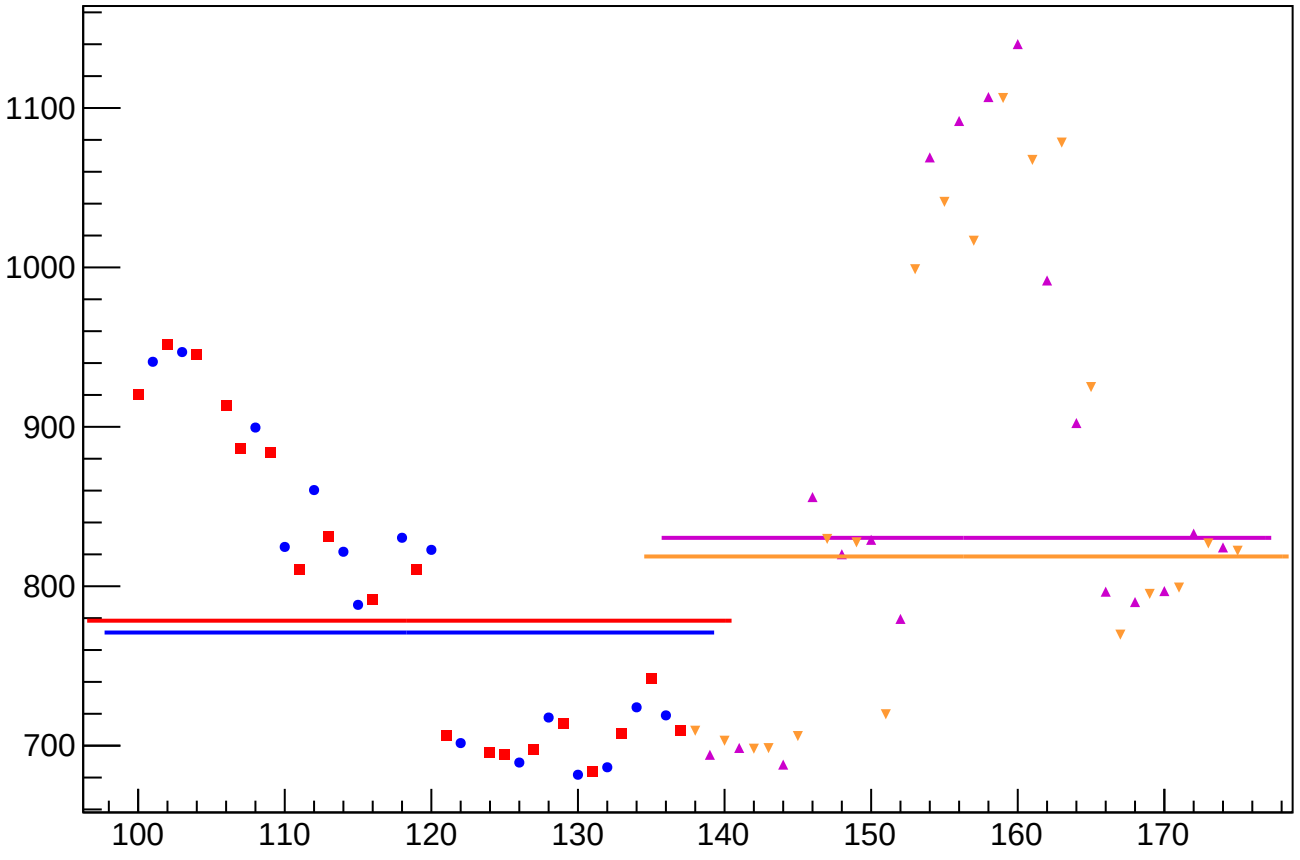
Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: 2.422+/-0.219 χ^2/NDF:956.8/17

+ sign 1.502+/-0.169 χ^2/NDF: 1516.2/35

All: 0.667+/-0.121 χ^2/NDF: 3226.9/72

- sign -0.213+/-0.174 χ^2/NDF: 1660.5/36



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 818.679+/-0.148 χ^2/NDF:743390.7/19

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

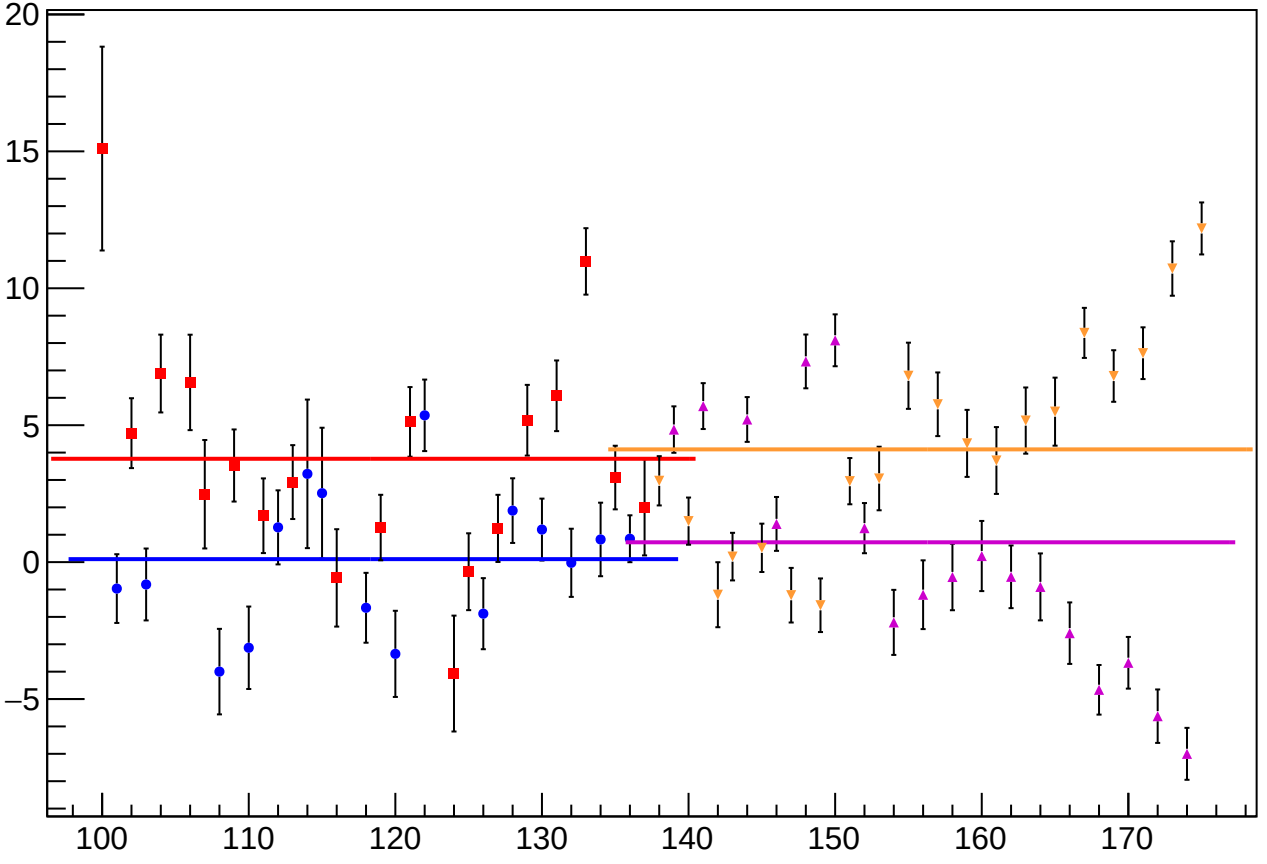
Left In: 830.363+/-0.155 χ^2/NDF:682010.0/17

\+ sign 802.284+/-0.120 χ^2/NDF: 972226.2/35

All: 806.608+/-0.086 χ^2/NDF: 1895188.4/72

\- sign 811.171+/-0.123 χ^2/NDF: 920272.9/36

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 4.117+/-0.225 χ^2/NDF:301.9/19

Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

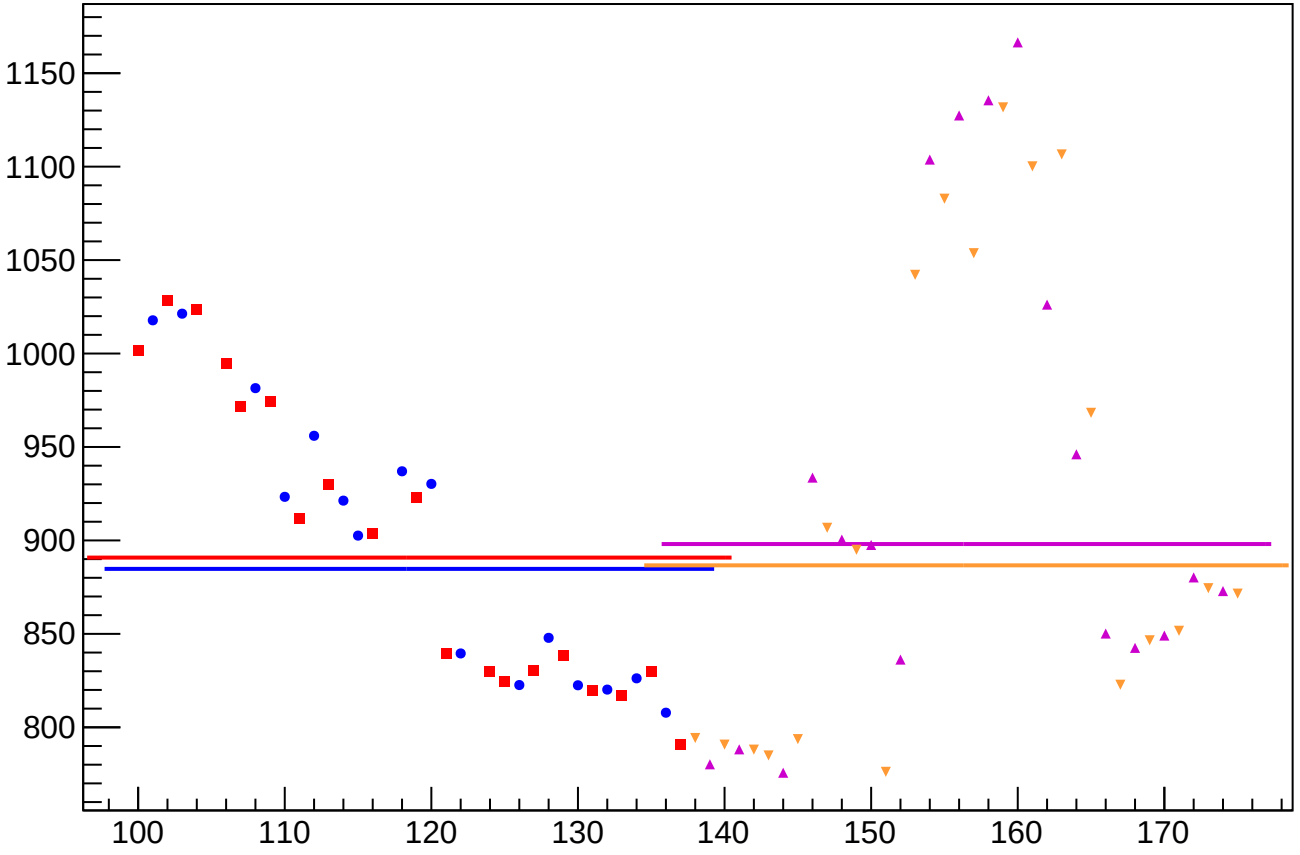
Left In: 0.724+/-0.235 χ^2/NDF:382.6/17

+ sign 2.845+/-0.186 χ^2/NDF: 448.0/35

All: 2.321+/-0.133 χ^2/NDF: 1003.9/72

- sign 1.769+/-0.191 χ^2/NDF: 539.7/36

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 886.669+/-0.159 χ^2/NDF:507542.6/19

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

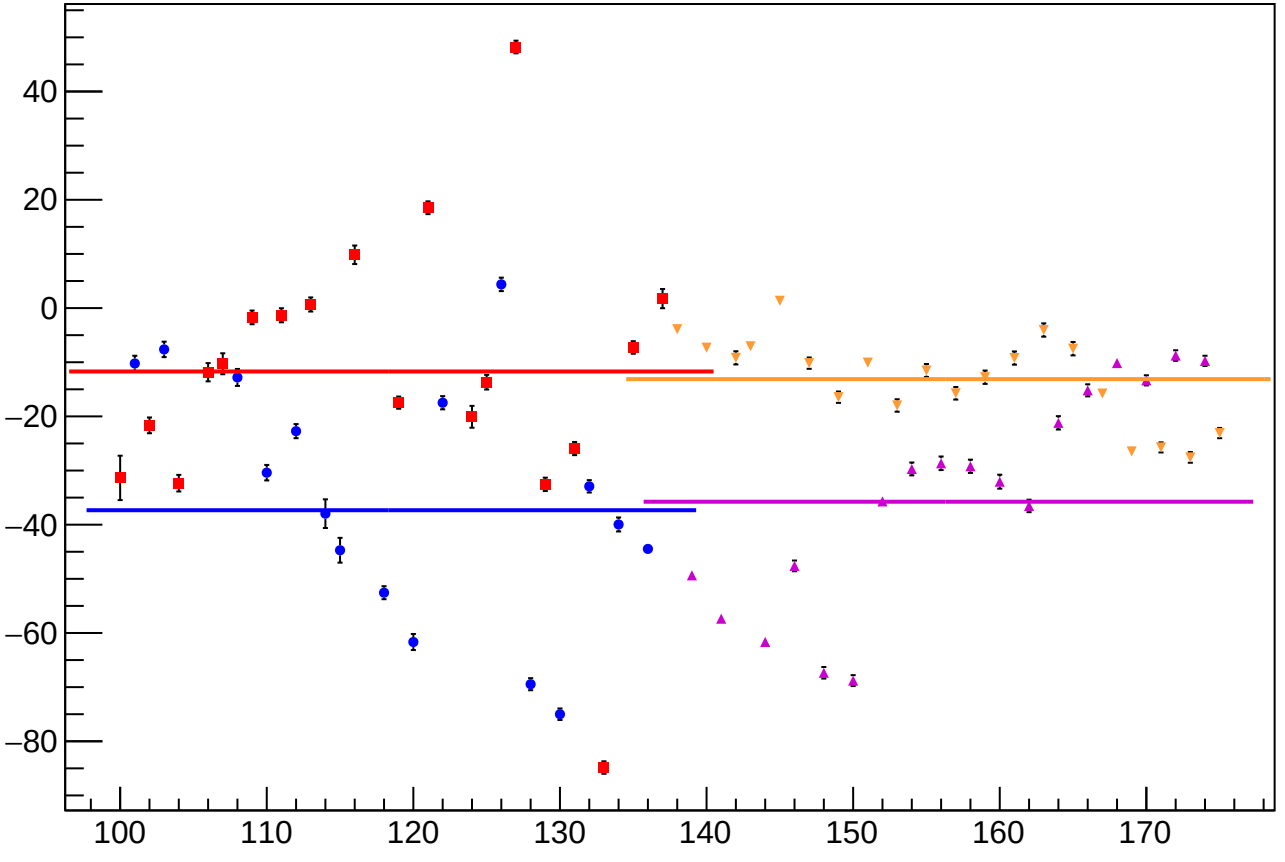
Left In: 898.065+/-0.166 χ^2/NDF:467207.5/17

+ sign 886.068+/-0.131 χ^2/NDF: 612081.8/35

All: 890.698+/-0.094 χ^2/NDF: 1190252.8/72

- sign 895.581+/-0.135 χ^2/NDF: 575621.0/36

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -13.119+/-0.227 χ^2/NDF:1319.9/19

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

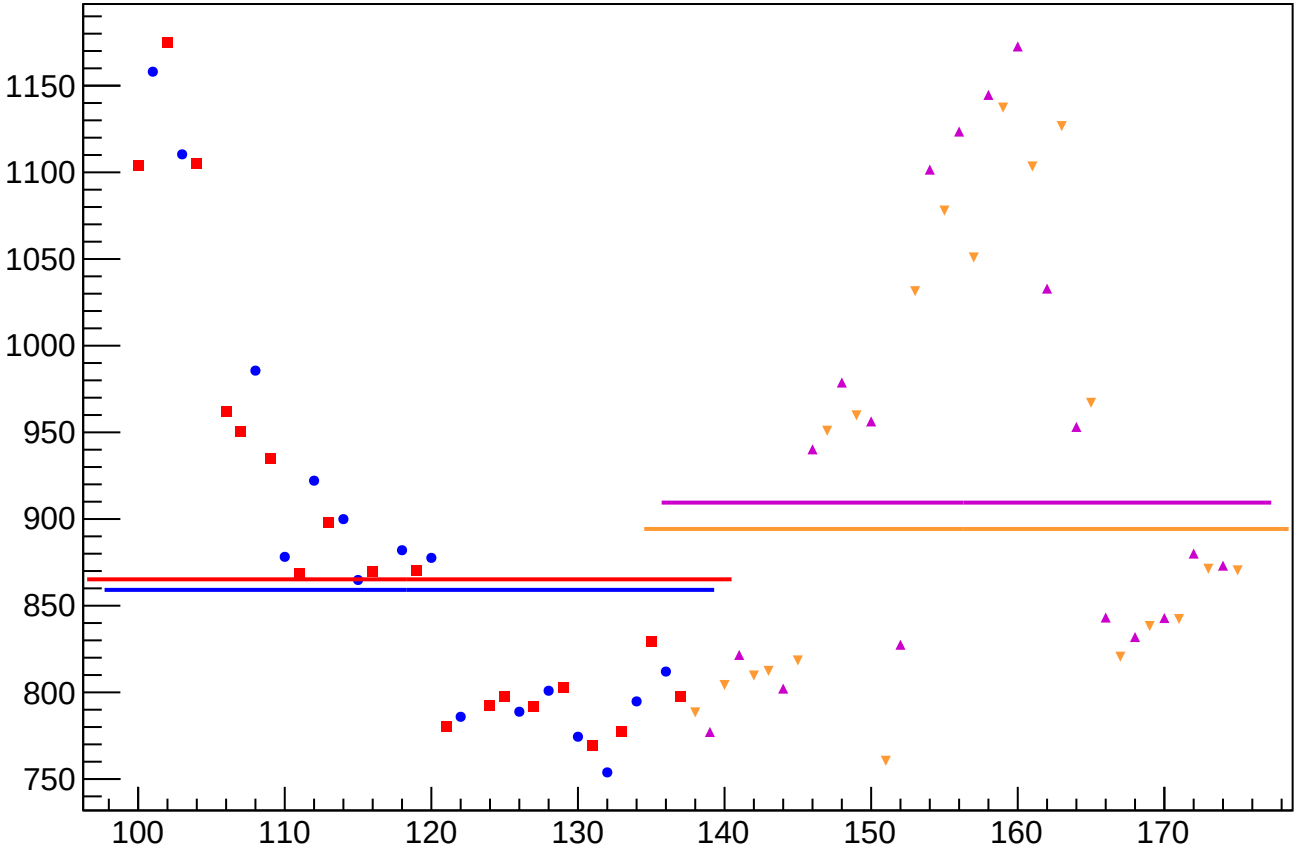
Left In: -35.759+/-0.238 χ^2/NDF:7383.3/17

+ sign -21.164+/-0.185 χ^2/NDF: 10285.7/35

All: -24.048+/-0.133 χ^2/NDF: 30293.3/72

- sign -27.099+/-0.191 χ^2/NDF: 19510.1/36

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 894.277+/-0.160 χ^2/NDF:509973.8/19

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

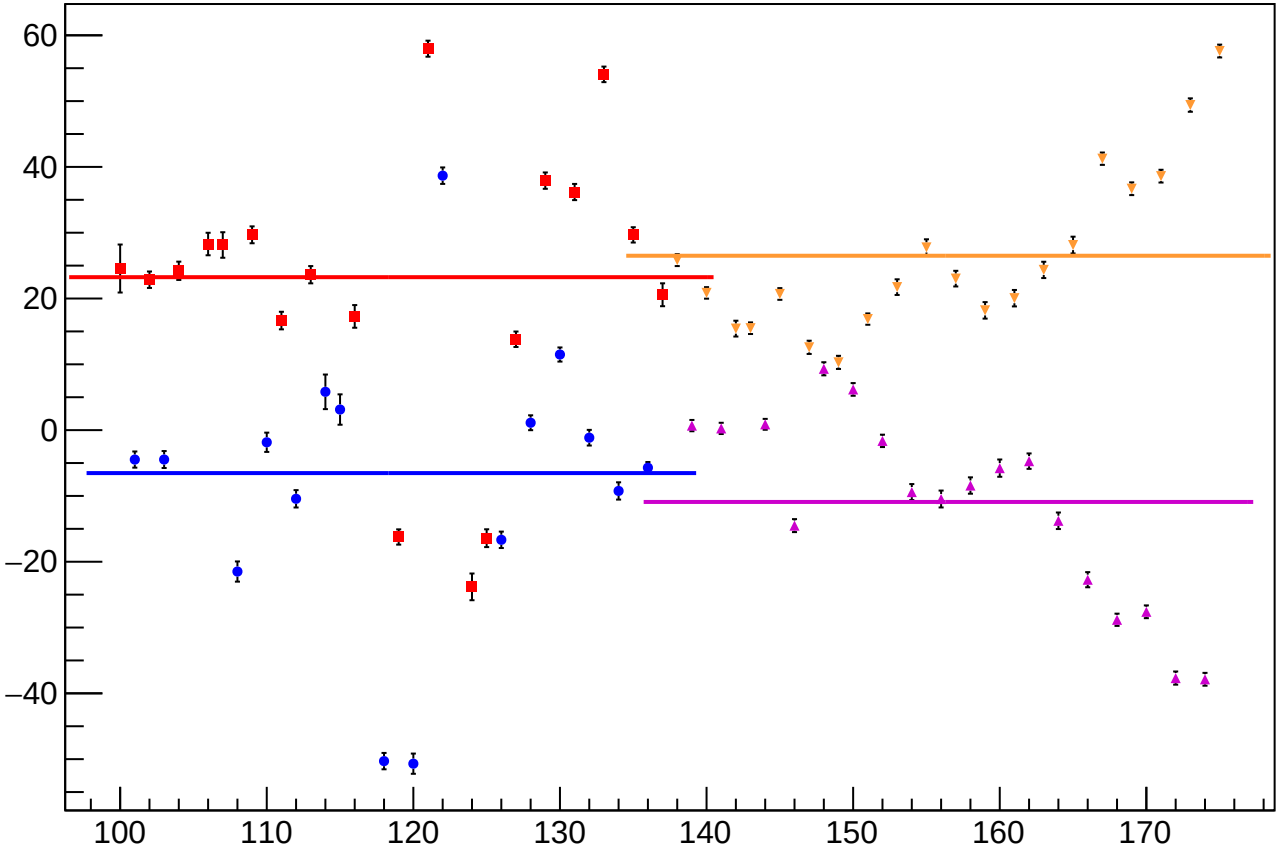
Left In: 909.468+/-0.169 χ^2/NDF:462819.7/17

+ sign 882.597+/-0.131 χ^2/NDF: 754624.5/35

All: 887.911+/-0.094 χ^2/NDF: 1469294.0/72

- sign 893.534+/-0.135 χ^2/NDF: 711290.1/36

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 26.501+/-0.230 χ^2/NDF:3034.4/19

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

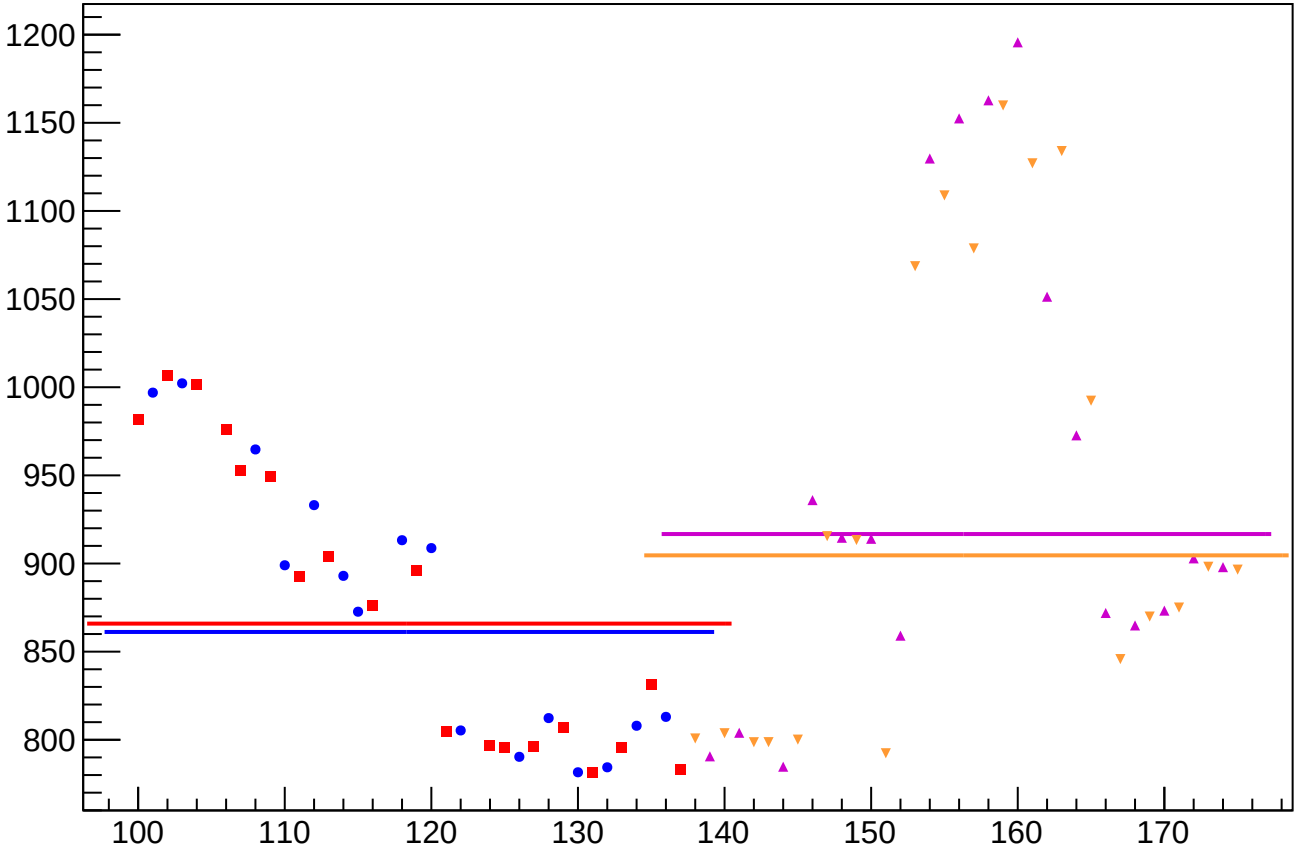
Left In: -10.915+/-0.240 χ^2/NDF:3696.7/17

+ sign 15.331+/-0.187 χ^2/NDF: 13979.2/35

All: 8.614+/-0.134 χ^2/NDF: 32171.4/72

- sign 1.552+/-0.192 χ^2/NDF: 15539.2/36

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 904.626+/-0.162 χ^2/NDF:531043.0/19

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

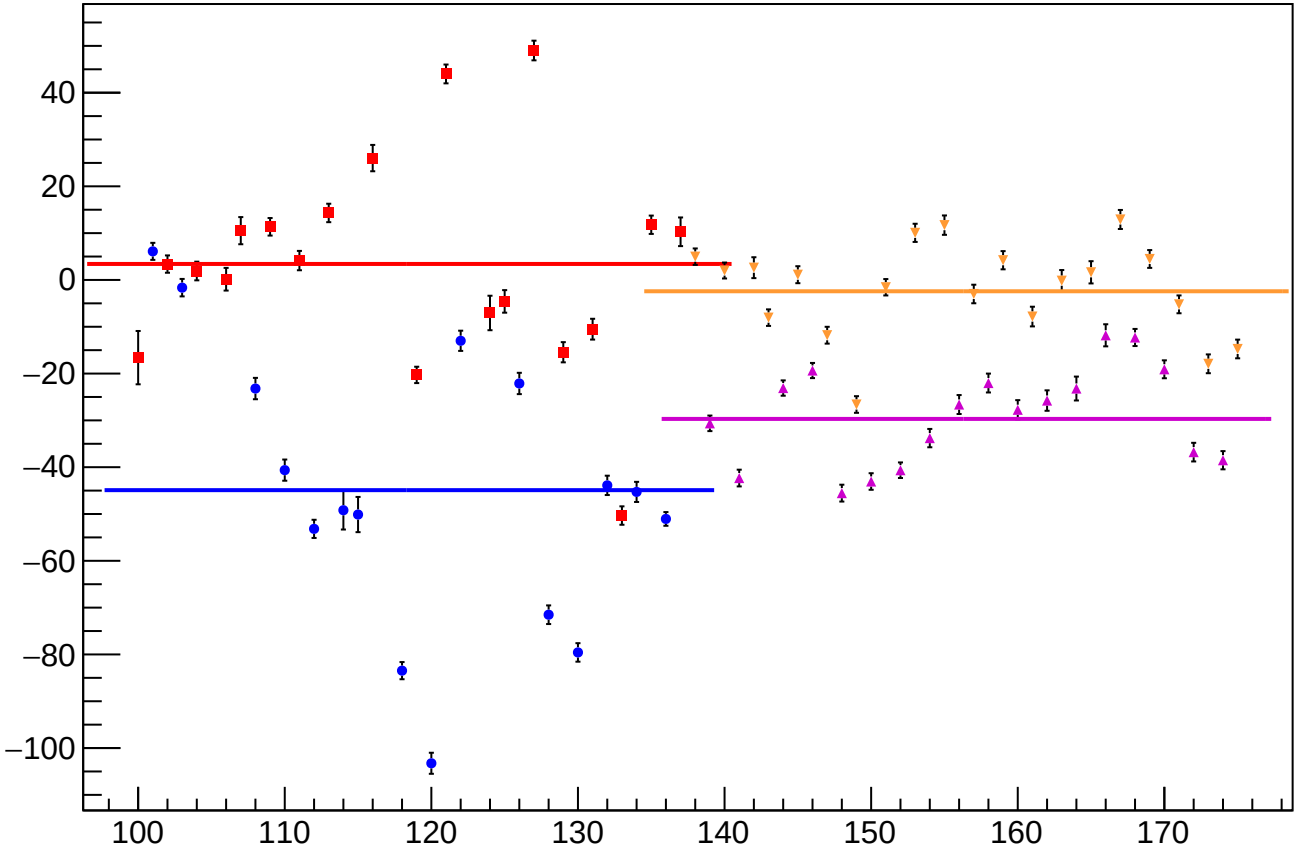
Left In: 916.720+/-0.170 χ^2/NDF:479316.0/17

+ sign 889.930+/-0.132 χ^2/NDF: 668803.6/35

All: 893.950+/-0.095 χ^2/NDF: 1301066.4/72

- sign 898.175+/-0.135 χ^2/NDF: 630363.2/36

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.419+/-0.432 χ^2/NDF:536.3/19

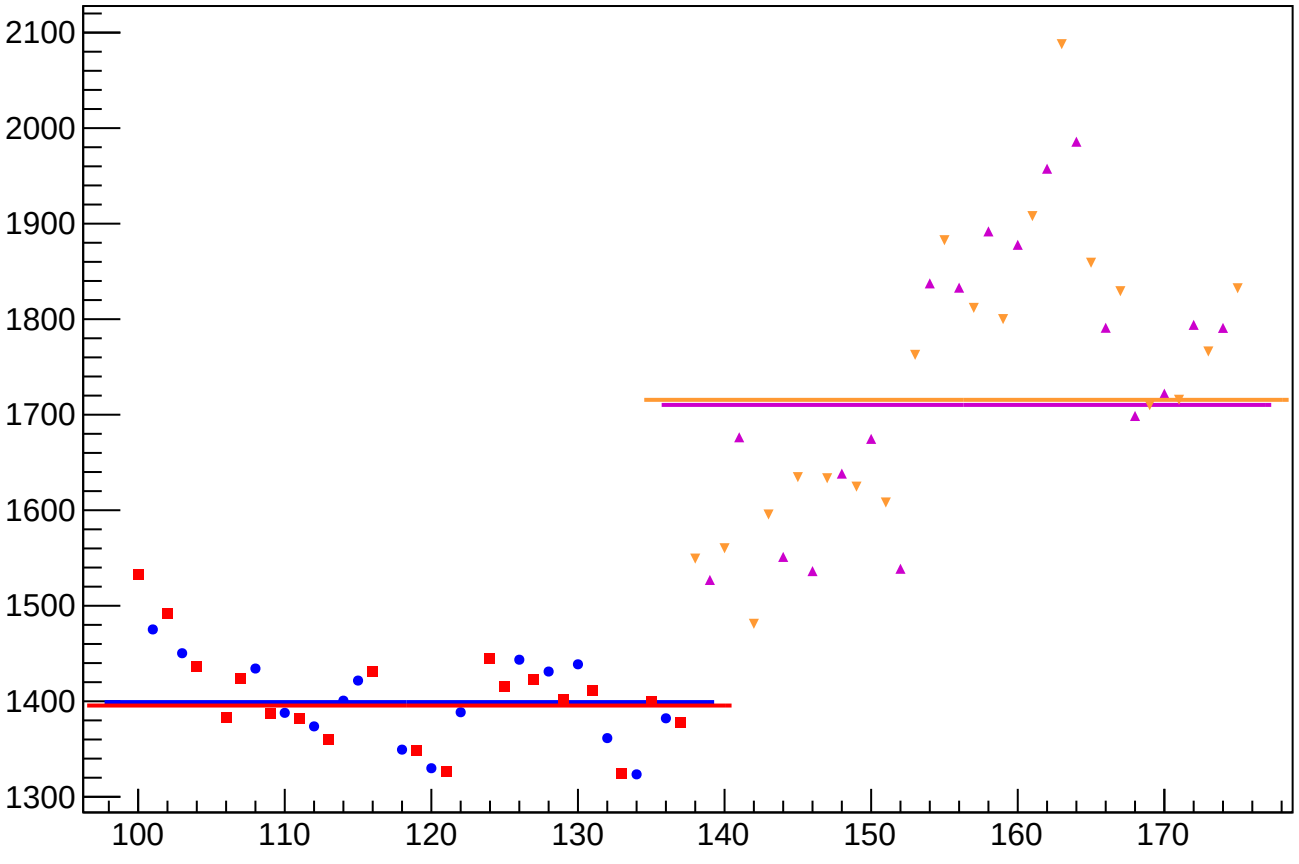
Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: -29.687+/-0.445 χ^2/NDF:529.1/17

\+ sign -19.779+/-0.332 χ^2/NDF: 7863.2/35

All: -17.576+/-0.236 χ^2/NDF: 12977.4/72

\- sign -15.335+/-0.335 χ^2/NDF: 5025.6/36



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1715.564+/-0.306 χ^2/NDF:201531.0/19

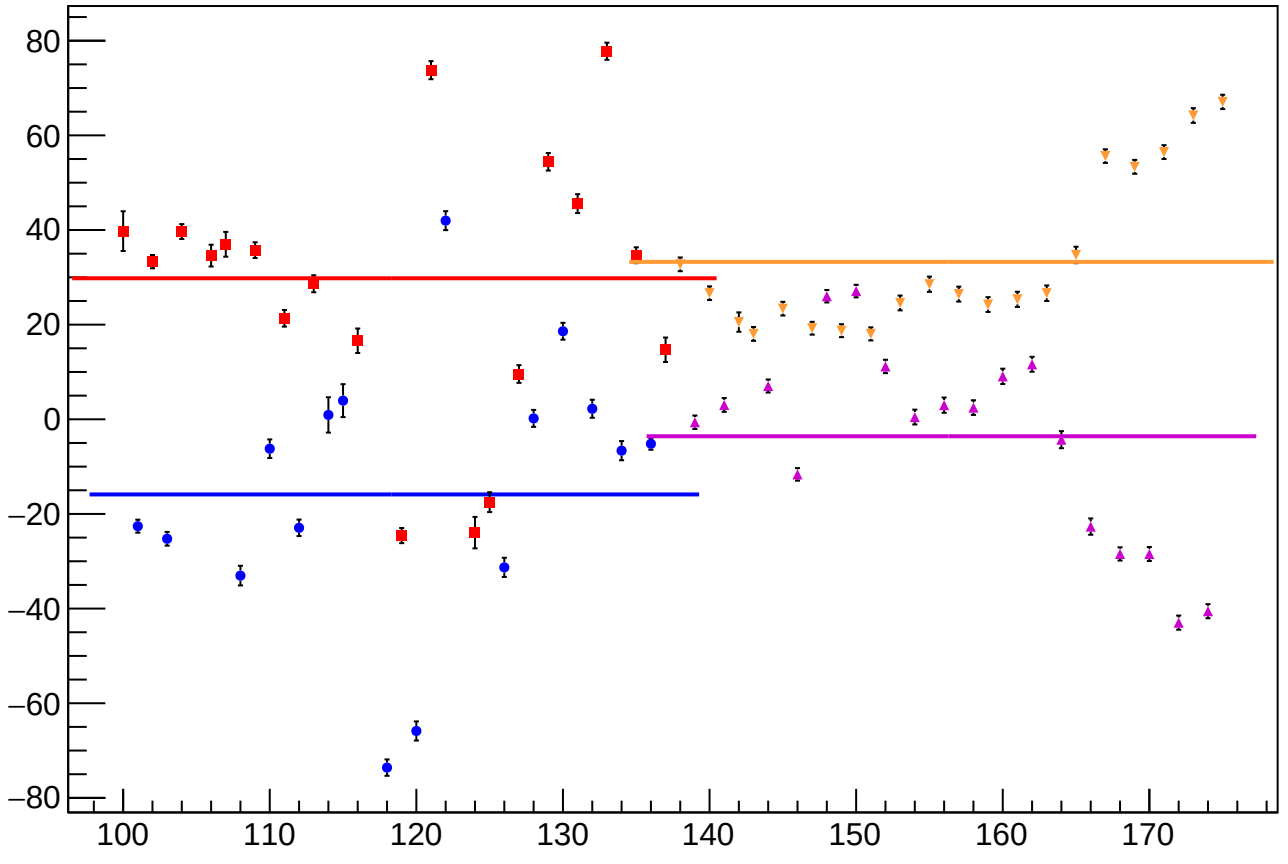
Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1710.259+/-0.315 χ^2/NDF:196076.2/17

+ sign 1586.285+/-0.235 χ^2/NDF: 654424.4/35

All: 1580.103+/-0.167 χ^2/NDF: 1300962.4/72

- sign 1573.812+/-0.237 χ^2/NDF: 645141.7/36



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 33.265+/-0.339 χ^2/NDF:2258.1/19

Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

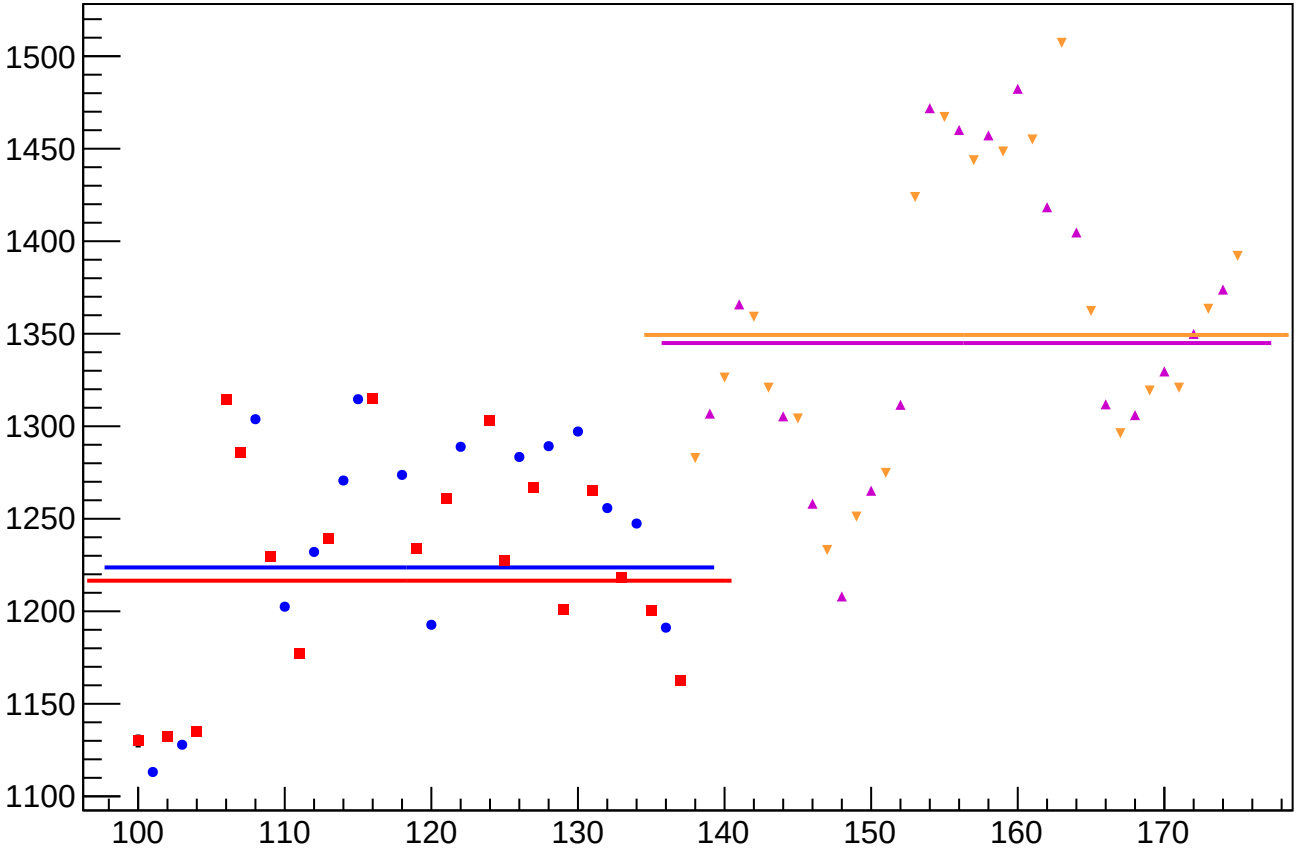
Left In: -3.582+/-0.350 χ^2/NDF:3478.6/17

+ sign 15.709+/-0.272 χ^2/NDF: 13225.9/35

All: 12.474+/-0.193 χ^2/NDF: 24157.9/72

- sign 9.177+/-0.275 χ^2/NDF: 10646.5/36

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1349.346+/-0.240 χ^2/NDF:101896.5/19

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

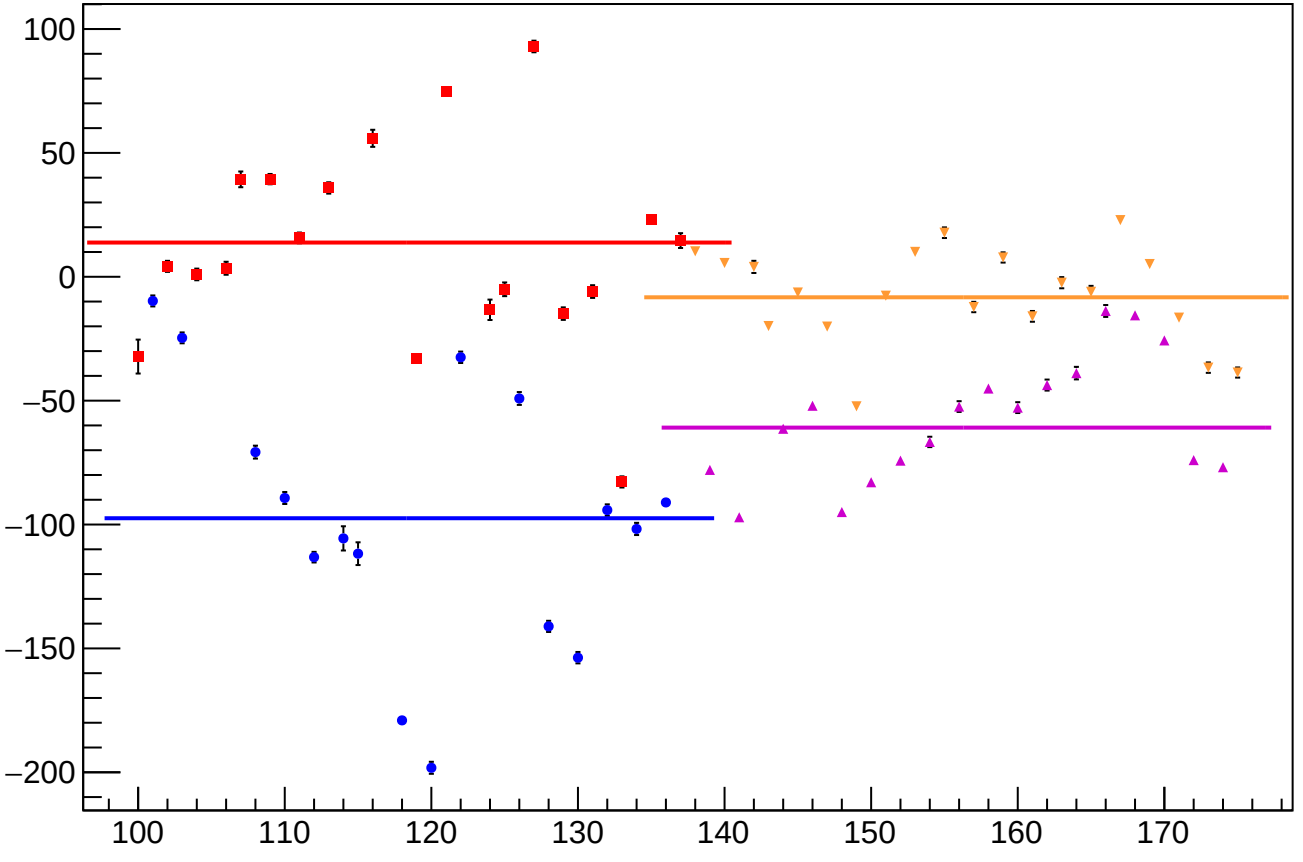
Left In: 1344.967+/-0.247 χ^2/NDF:99797.2/17

+ sign 1304.461+/-0.192 χ^2/NDF: 240701.6/35

All: 1300.211+/-0.137 χ^2/NDF: 474085.9/72

- sign 1295.879+/-0.194 χ^2/NDF: 232399.2/36

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -8.283+/-0.444 χ^2/NDF:1896.8/19

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

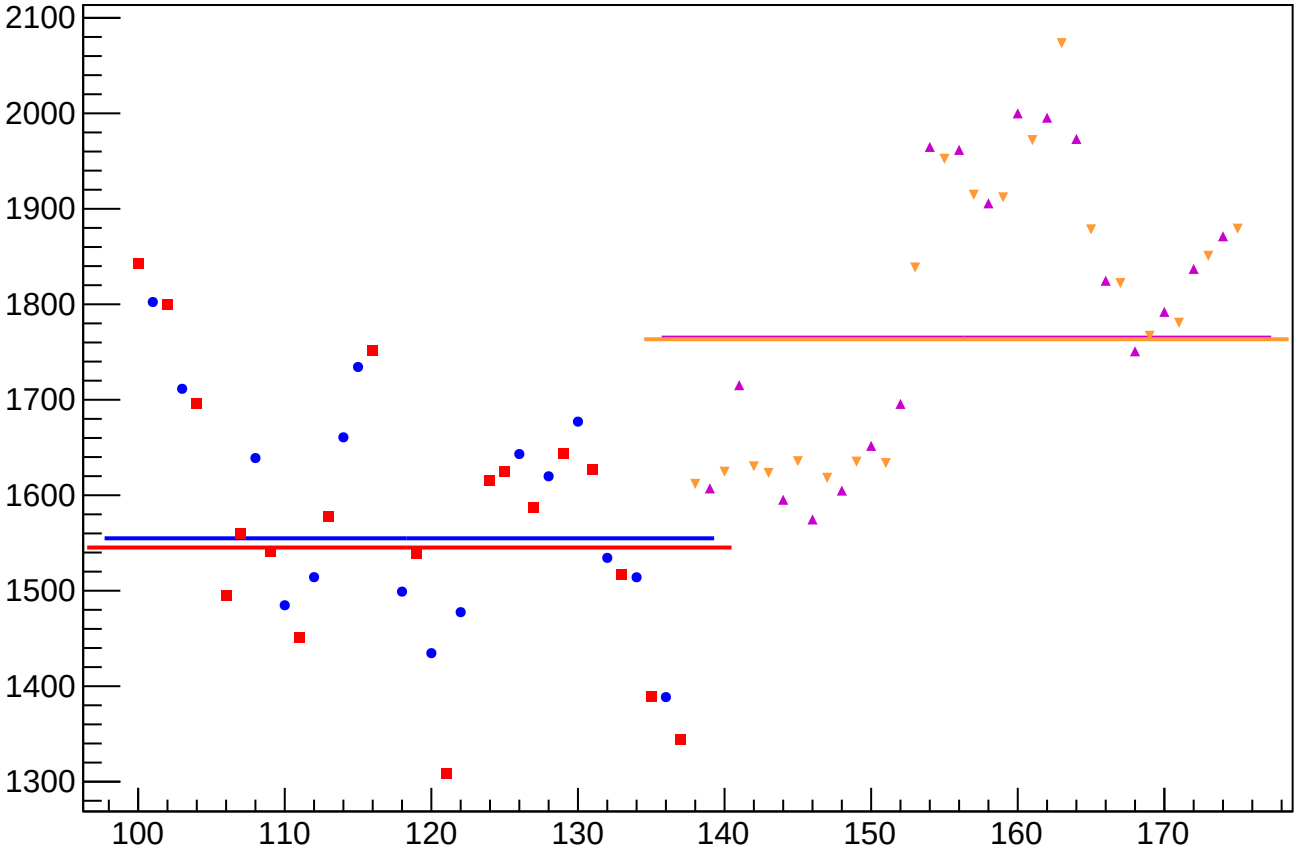
Left In: -60.880+/-0.460 χ^2/NDF:2715.8/17

+ sign -41.302+/-0.353 χ^2/NDF: 25111.9/35

All: -36.300+/-0.251 χ^2/NDF: 44091.4/72

- sign -31.182+/-0.357 χ^2/NDF: 18572.4/36

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1763.393+/-0.314 χ^2/NDF:199507.0/19

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

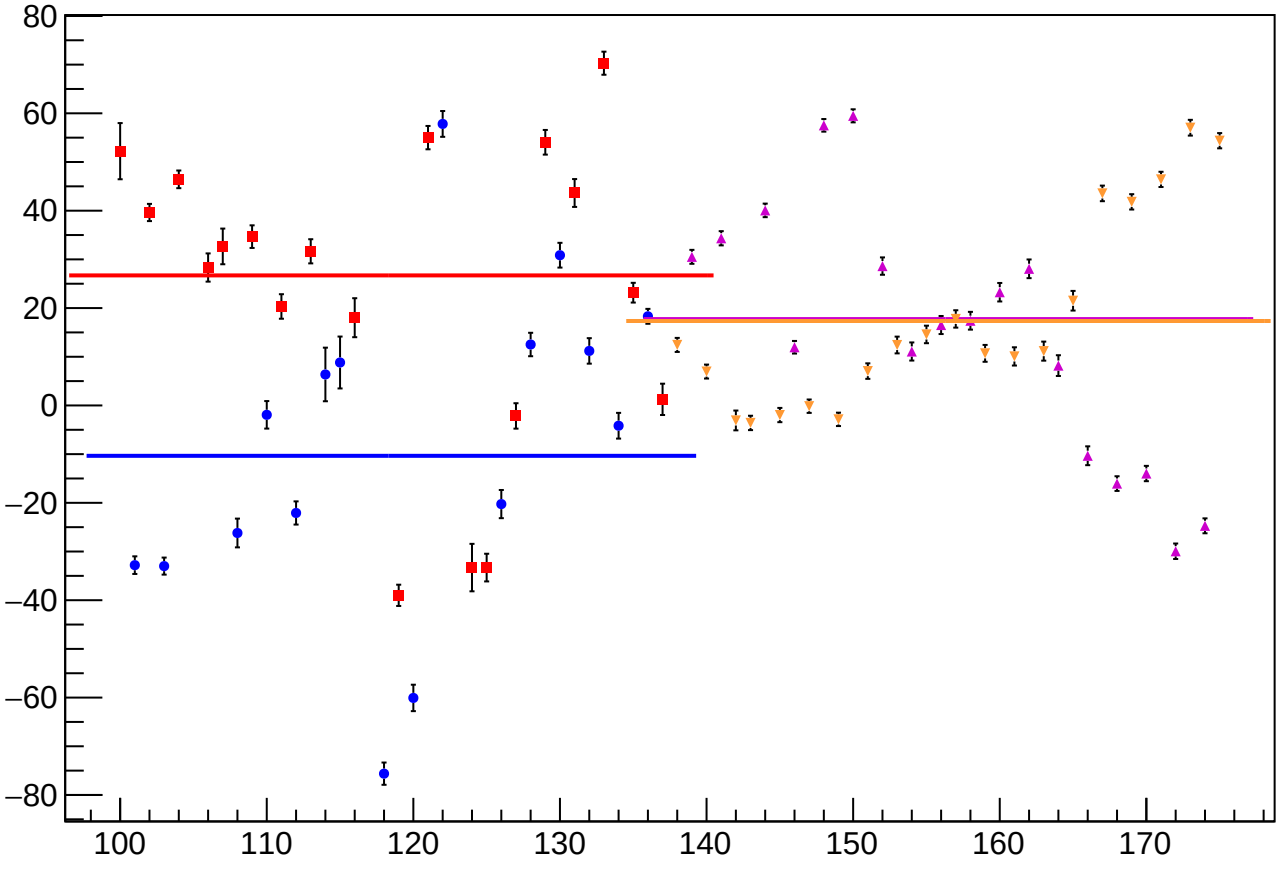
Left In: 1765.085+/-0.325 χ^2/NDF:204378.3/17

+ sign 1686.195+/-0.249 χ^2/NDF: 450482.6/35

All: 1681.985+/-0.177 χ^2/NDF: 946211.9/72

- sign 1677.677+/-0.252 χ^2/NDF: 495152.3/36

diff_bpm0i02aY_mean vs Slug



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 17.345+/-0.361 χ^2/NDF:3029.7/19

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

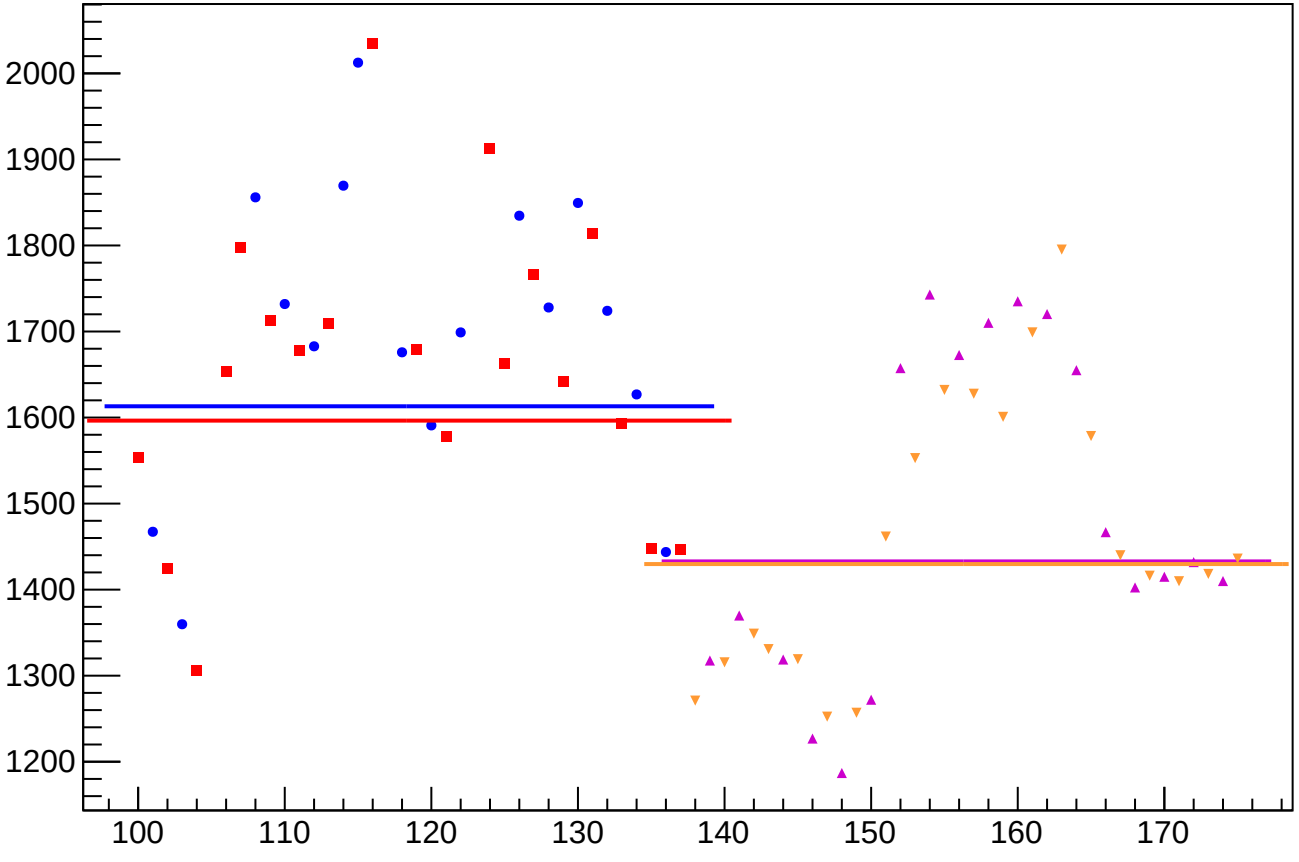
Left In: 17.740+/-0.375 χ^2/NDF:5289.7/17

+ sign 10.034+/-0.310 χ^2/NDF: 7587.8/35

All: 15.090+/-0.221 χ^2/NDF: 16127.0/72

- sign 20.343+/-0.316 χ^2/NDF: 7996.5/36

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1429.723+/-0.255 χ^2/NDF:328392.1/19

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

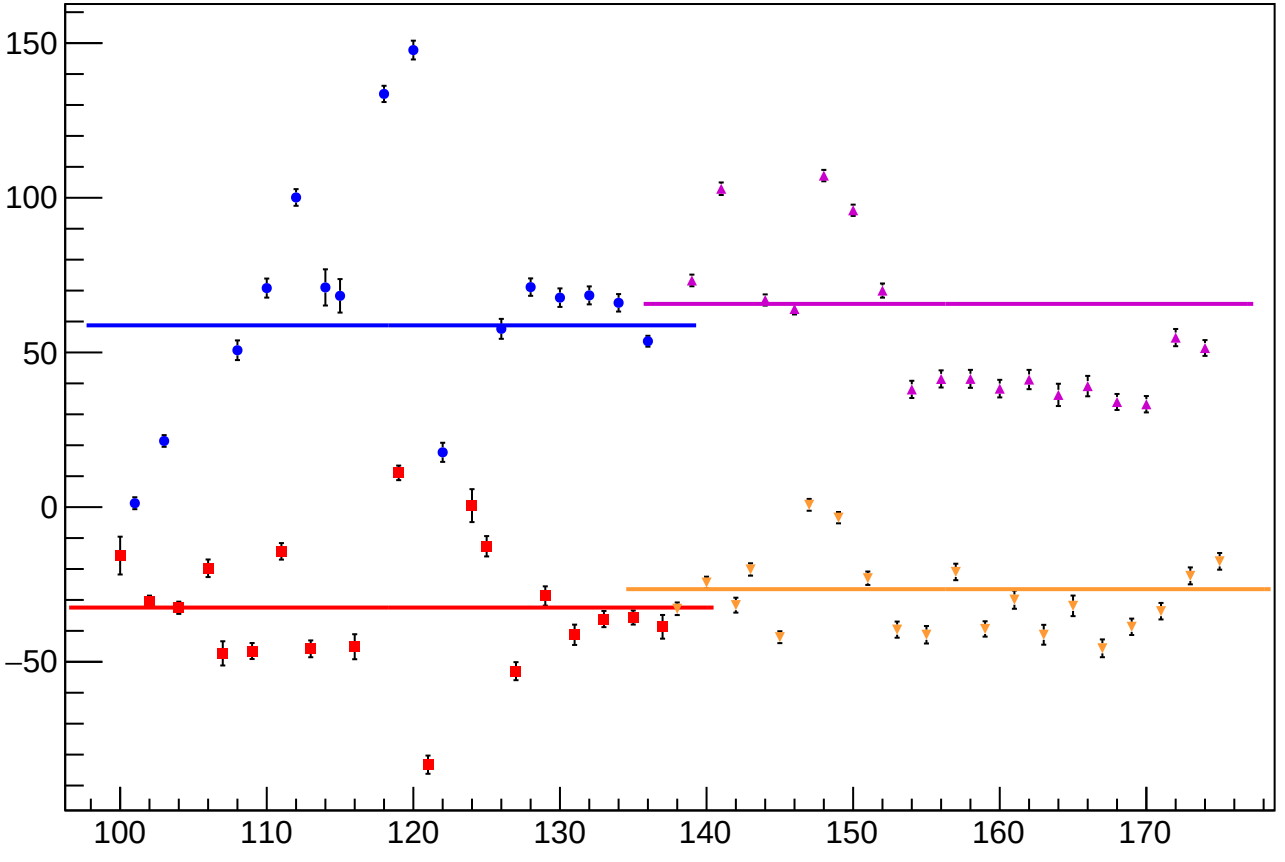
Left In: 1432.808+/-0.265 χ^2/NDF:467723.7/17

+ sign 1478.143+/-0.219 χ^2/NDF: 619155.7/35

All: 1479.198+/-0.156 χ^2/NDF: 1358199.6/72

- sign 1480.293+/-0.223 χ^2/NDF: 738996.6/36

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -26.518+/-0.531 χ^2/NDF:650.4/19

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

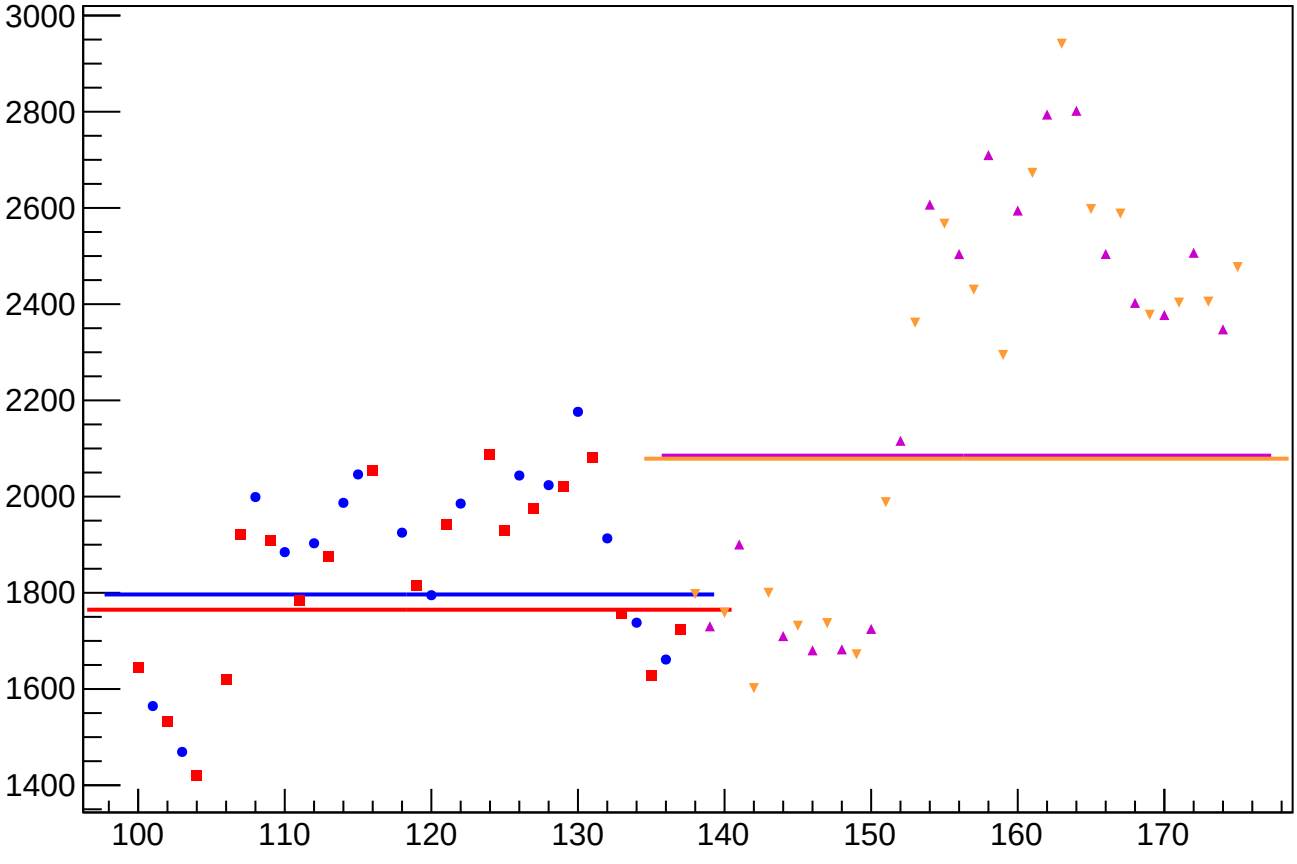
Left In: 65.699+/-0.552 χ^2/NDF:2018.6/17

+ sign 6.262+/-0.417 χ^2/NDF: 13994.5/35

All: 15.302+/-0.296 χ^2/NDF: 31187.6/72

- sign 24.484+/-0.420 χ^2/NDF: 16245.4/36

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2078.824+/-0.376 χ^2/NDF:1039502.9/19

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

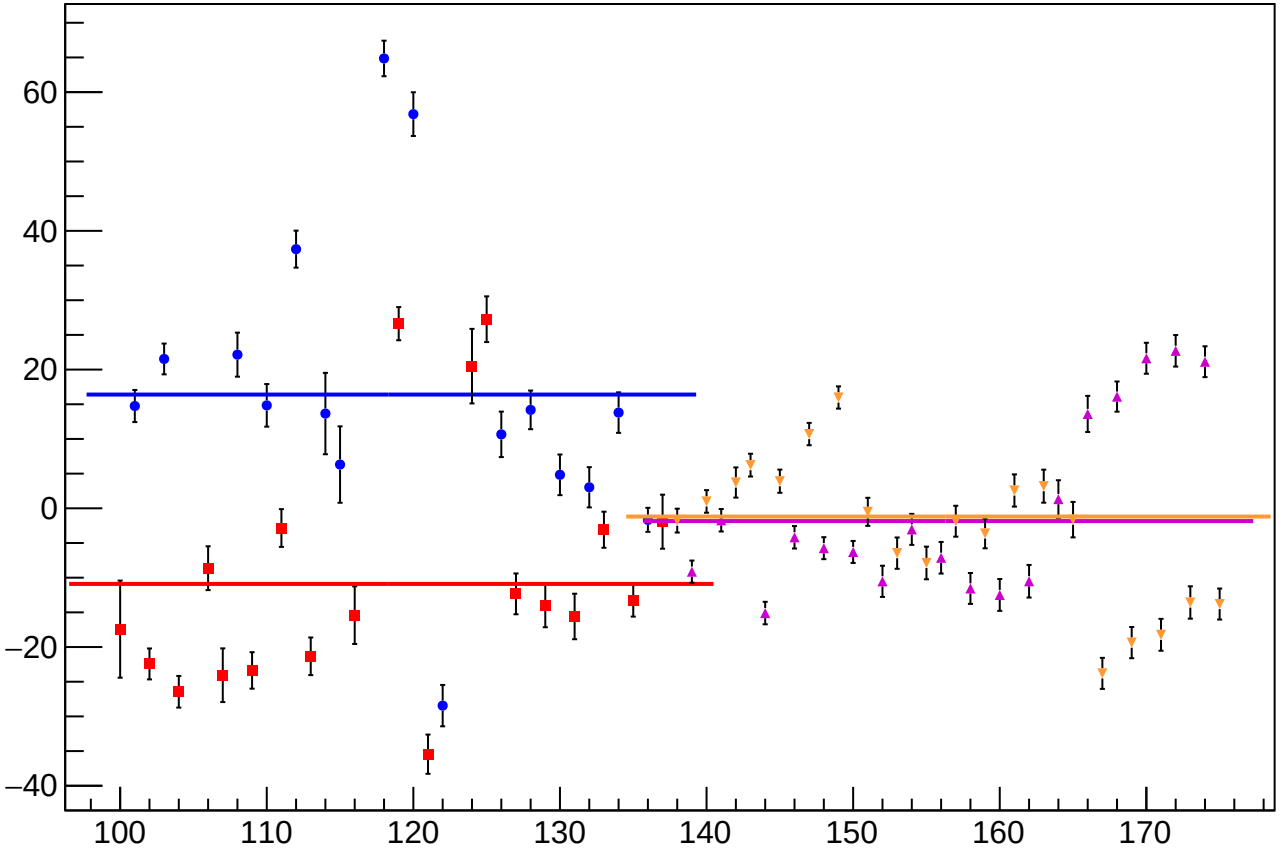
Left In: 2085.081+/-0.390 χ^2/NDF:1061934.2/17

+ sign 1970.323+/-0.295 χ^2/NDF: 1449616.7/35

All: 1960.556+/-0.209 χ^2/NDF: 2986713.7/72

- sign 1950.635+/-0.297 χ^2/NDF: 1534884.2/36

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -1.185+/-0.449 χ^2/NDF:509.1/19

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

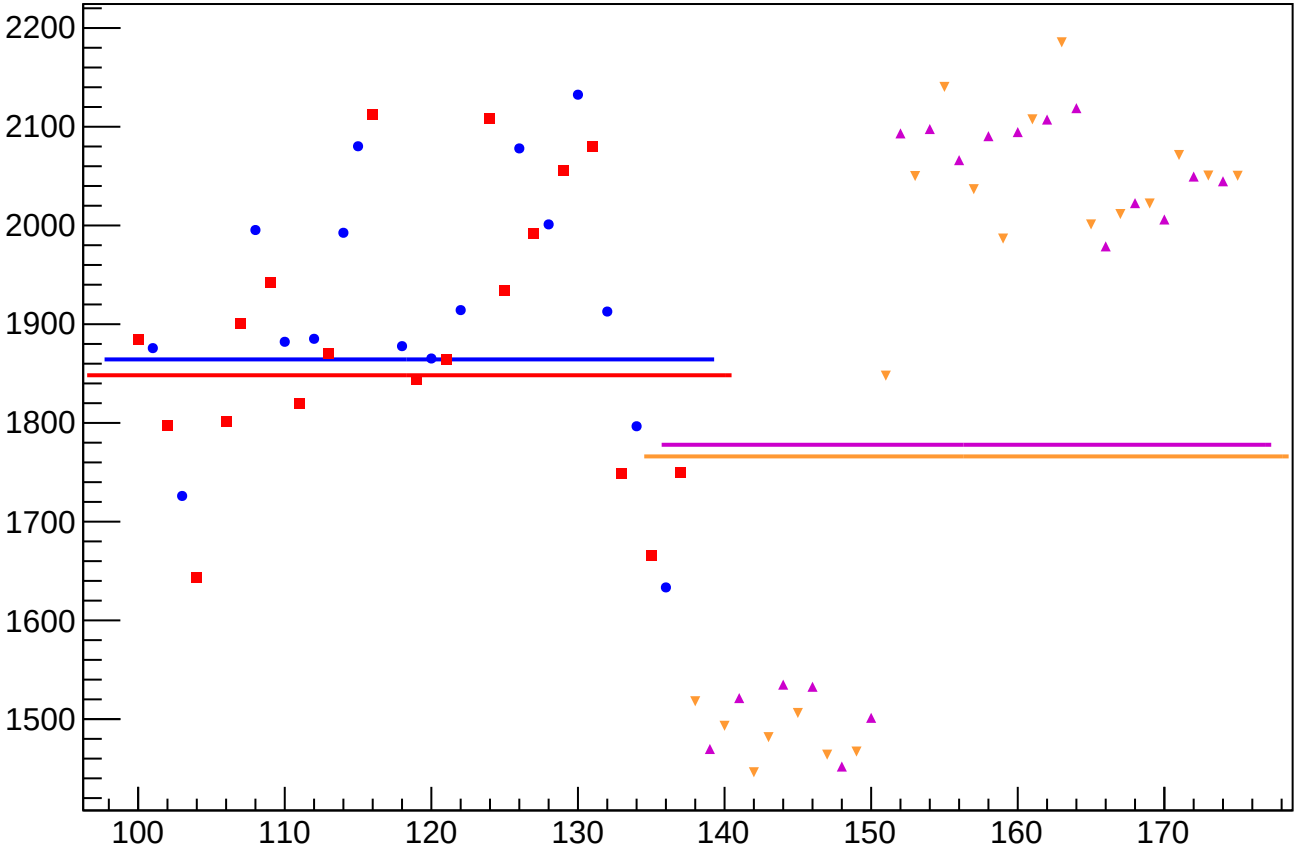
Left In: -1.840+/-0.467 χ^2/NDF:617.1/17

+ sign 3.998+/-0.377 χ^2/NDF: 1933.7/35

All: -0.303+/-0.269 χ^2/NDF: 3578.7/72

- sign -4.765+/-0.384 χ^2/NDF: 1380.3/36

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1766.080+/-0.318 χ^2/NDF:794818.5/19

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

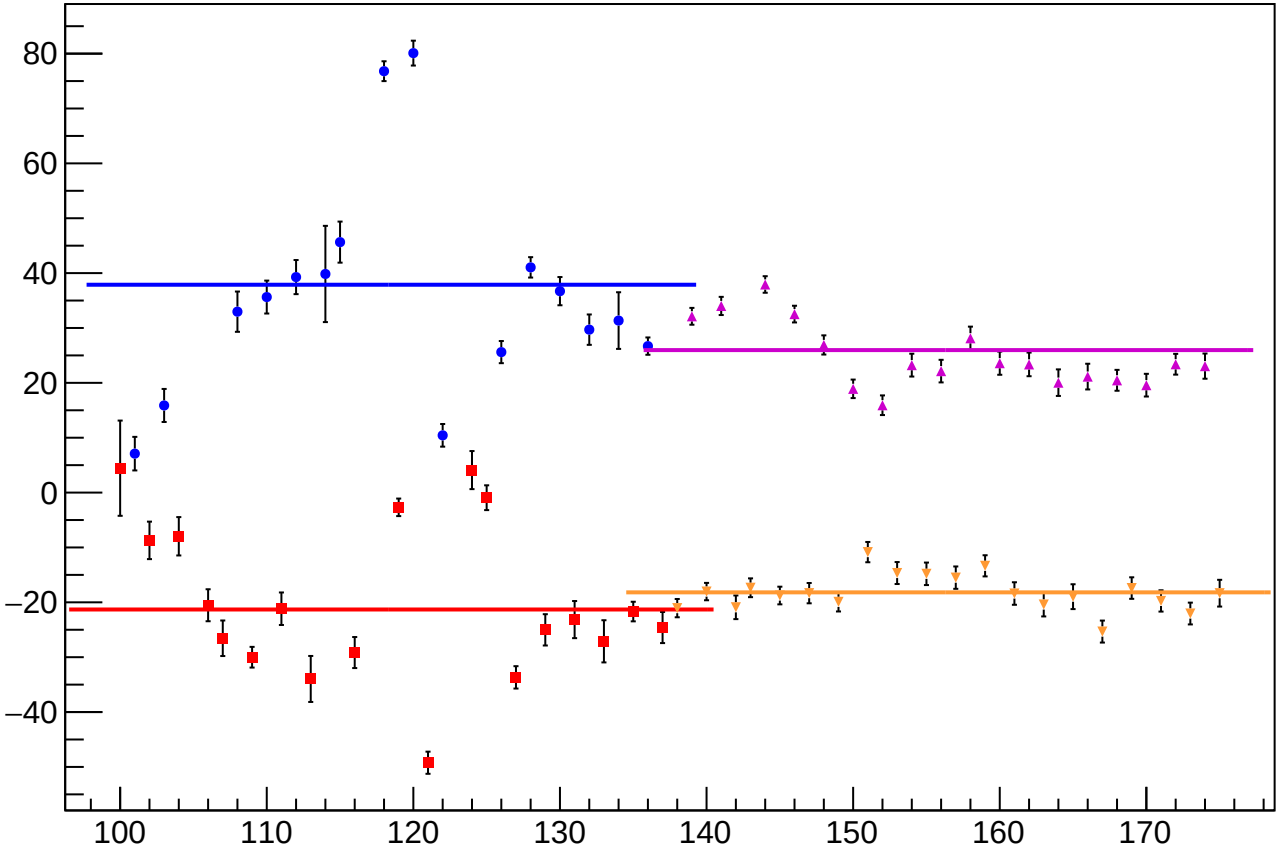
Left In: 1777.877+/-0.330 χ^2/NDF:736876.2/17

\+ sign 1795.039+/-0.267 χ^2/NDF: 906324.1/35

All: 1797.774+/-0.190 χ^2/NDF: 1733050.0/72

\- sign 1800.612+/-0.272 χ^2/NDF: 826511.8/36

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.184+/-0.428 χ^2/NDF:54.0/19

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

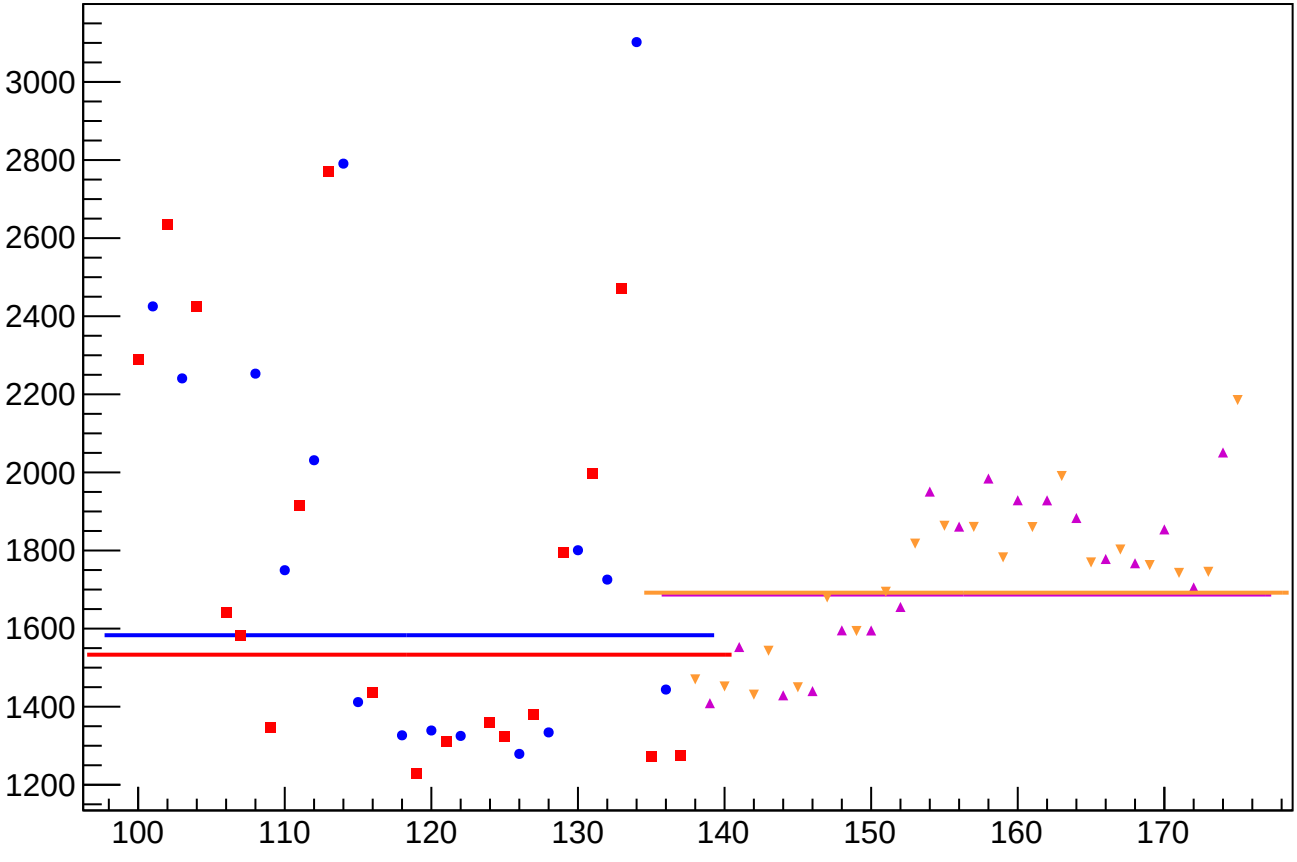
Left In: 25.969+/-0.442 χ^2/NDF:211.2/17

+ sign -0.160+/-0.353 χ^2/NDF: 6809.9/35

All: 4.435+/-0.250 χ^2/NDF: 12029.3/72

- sign 9.072+/-0.354 χ^2/NDF: 4878.7/36

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1691.997+/-0.303 χ^2/NDF:364590.6/19

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

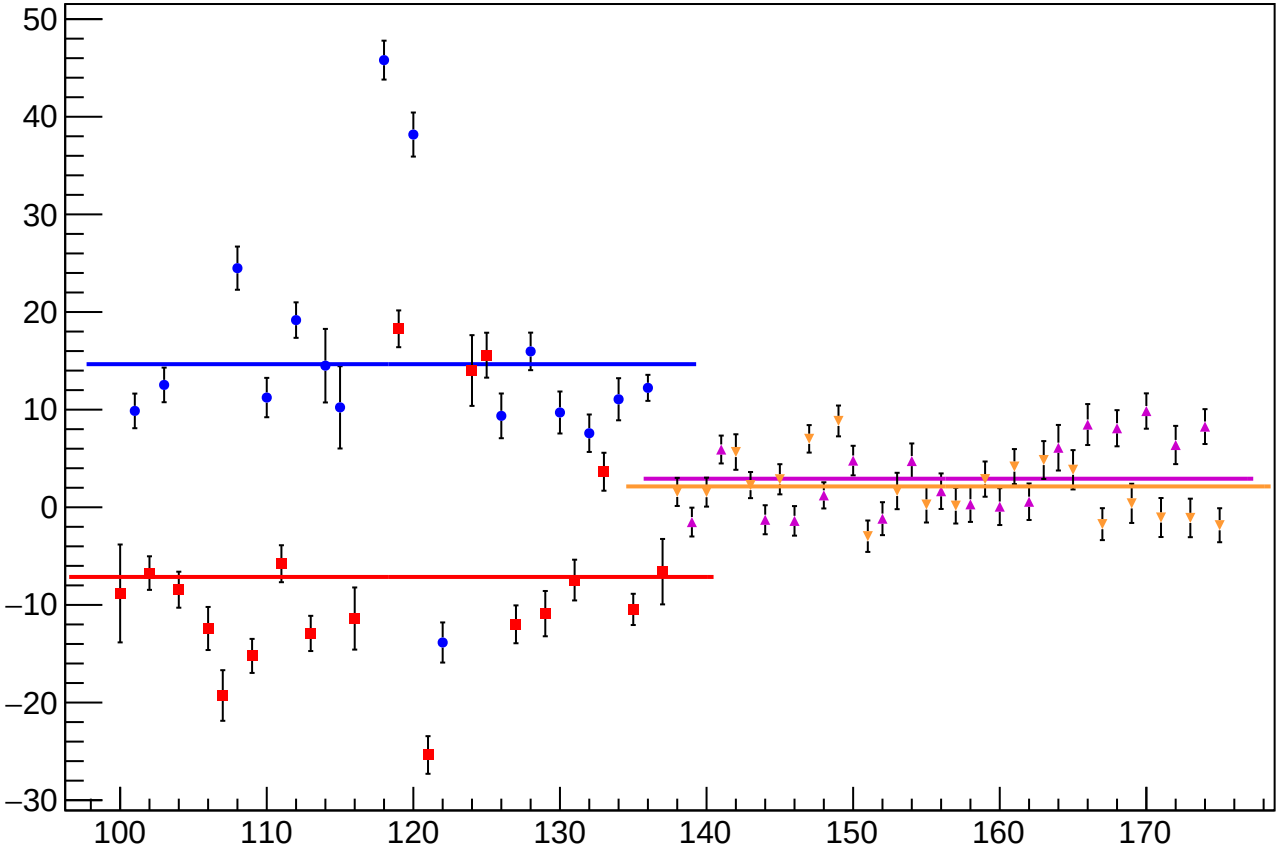
Left In: 1687.205+/-0.313 χ^2/NDF:422613.2/17

+ sign 1656.972+/-0.250 χ^2/NDF: 1193847.5/35

All: 1644.620+/-0.177 χ^2/NDF: 2658870.7/72

- sign 1632.156+/-0.251 χ^2/NDF: 1460100.1/36

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.136+/-0.378 χ^2/NDF:67.5/19

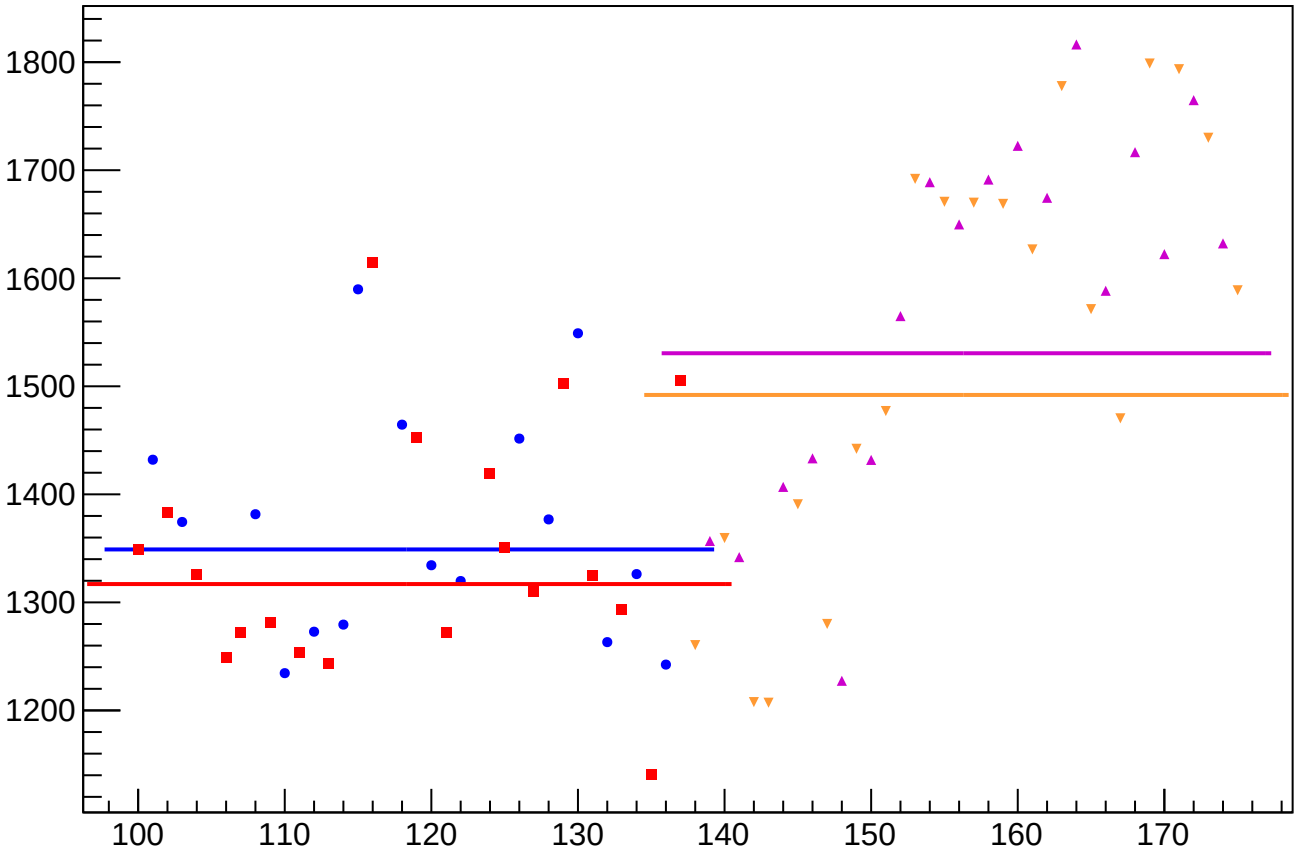
Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: 2.926+/-0.400 χ^2/NDF:89.4/17

+ sign 6.645+/-0.303 χ^2/NDF: 1076.5/35

All: 2.809+/-0.216 χ^2/NDF: 2259.5/72

- sign -1.166+/-0.308 χ^2/NDF: 856.1/36



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1491.988+/-0.268 χ^2/NDF:529168.9/19

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

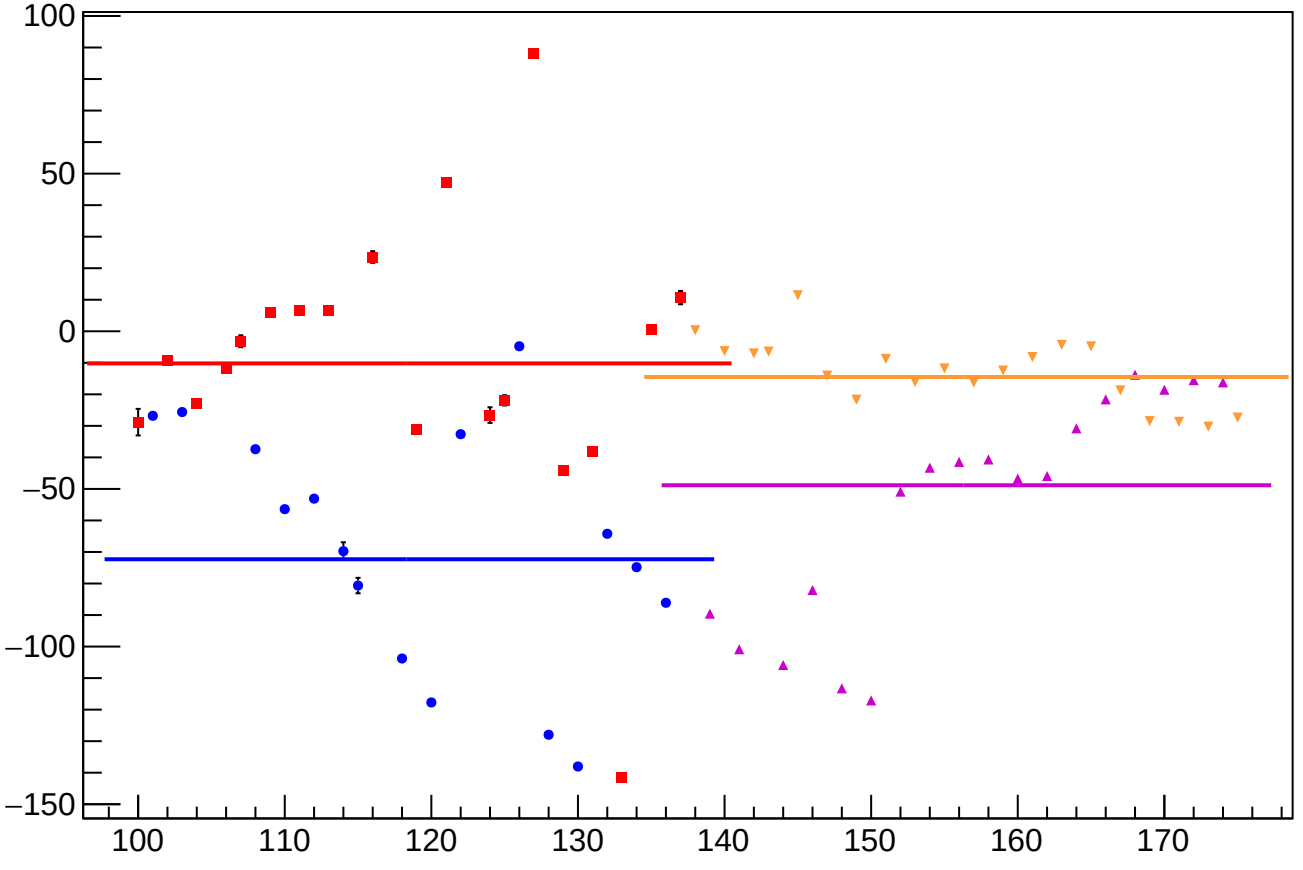
Left In: 1530.580+/-0.283 χ^2/NDF:360805.5/17

+ sign 1440.502+/-0.214 χ^2/NDF: 700365.0/35

All: 1442.076+/-0.153 χ^2/NDF: 1380100.6/72

- sign 1443.706+/-0.218 χ^2/NDF: 679625.6/36

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -14.492+/-0.205 χ^2/NDF:2646.8/19

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

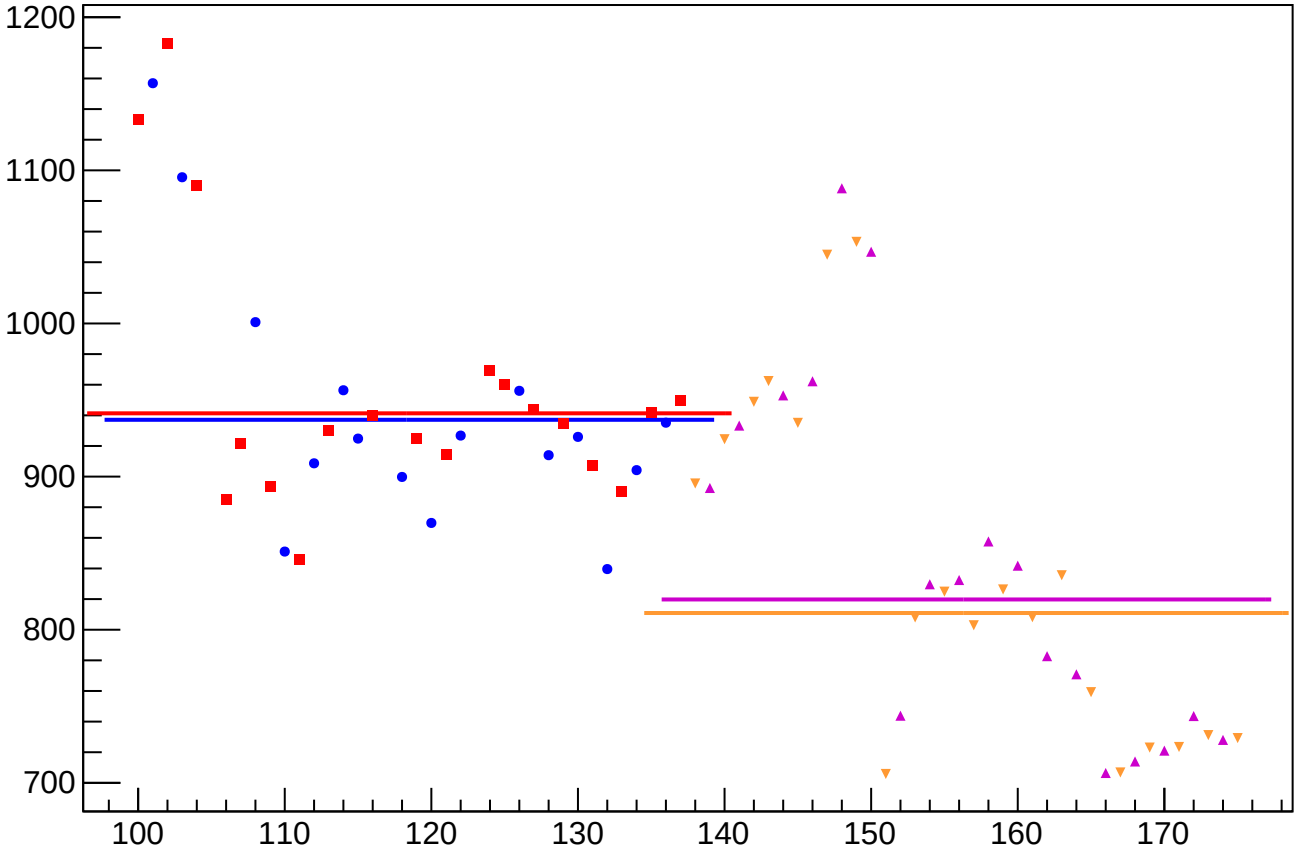
Left In: -48.835+/-0.214 χ^2/NDF:23801.0/17

+ sign -29.315+/-0.177 χ^2/NDF: 35151.7/35

All: -33.557+/-0.127 χ^2/NDF: 88250.8/72

- sign -38.046+/-0.182 χ^2/NDF: 51916.4/36

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 810.920+/-0.145 χ^2/NDF:466655.6/19

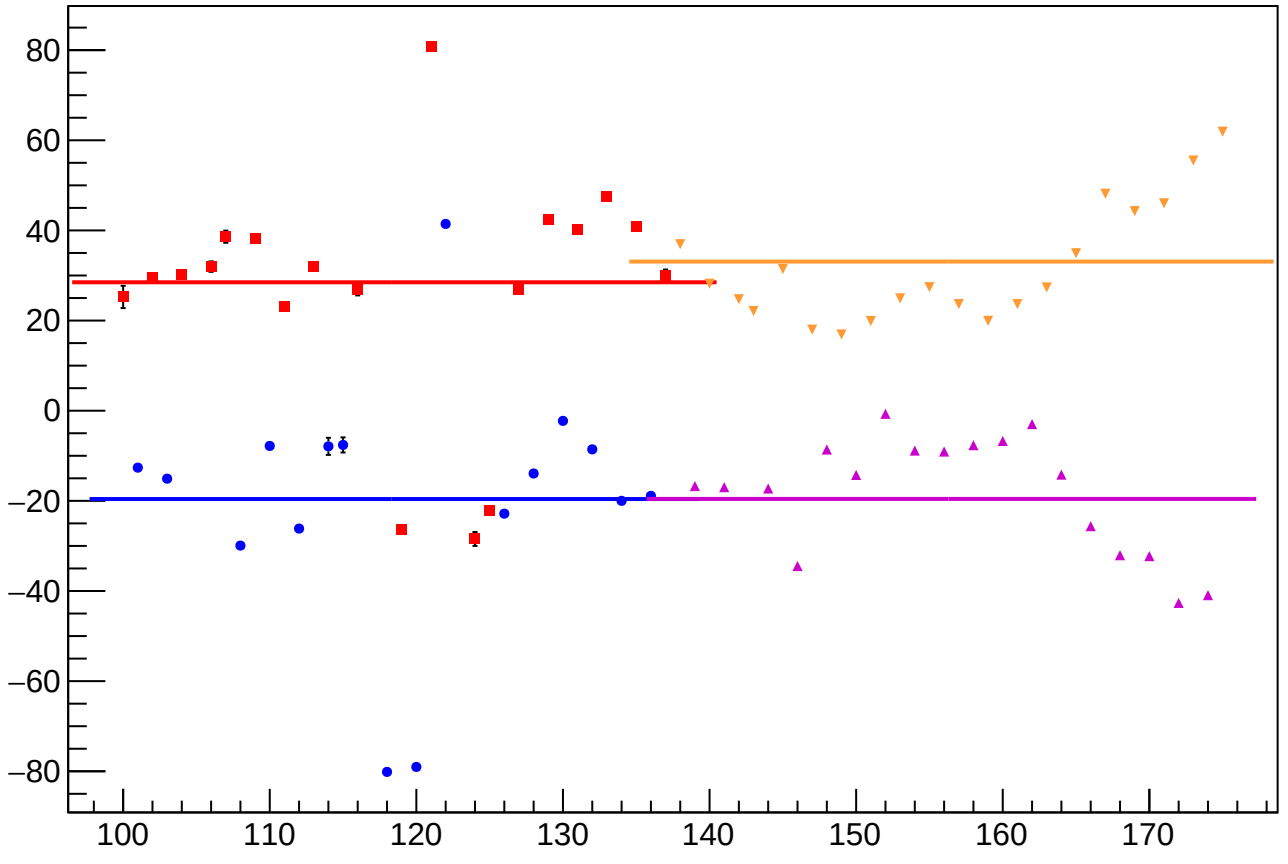
Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 819.763+/-0.152 χ^2/NDF:472263.4/17

+ sign 843.272+/-0.125 χ^2/NDF: 765204.1/35

All: 848.337+/-0.090 χ^2/NDF: 1521333.8/72

- sign 853.699+/-0.129 χ^2/NDF: 752755.5/36



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 33.089+/-0.162 χ^2/NDF:6775.8/19

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

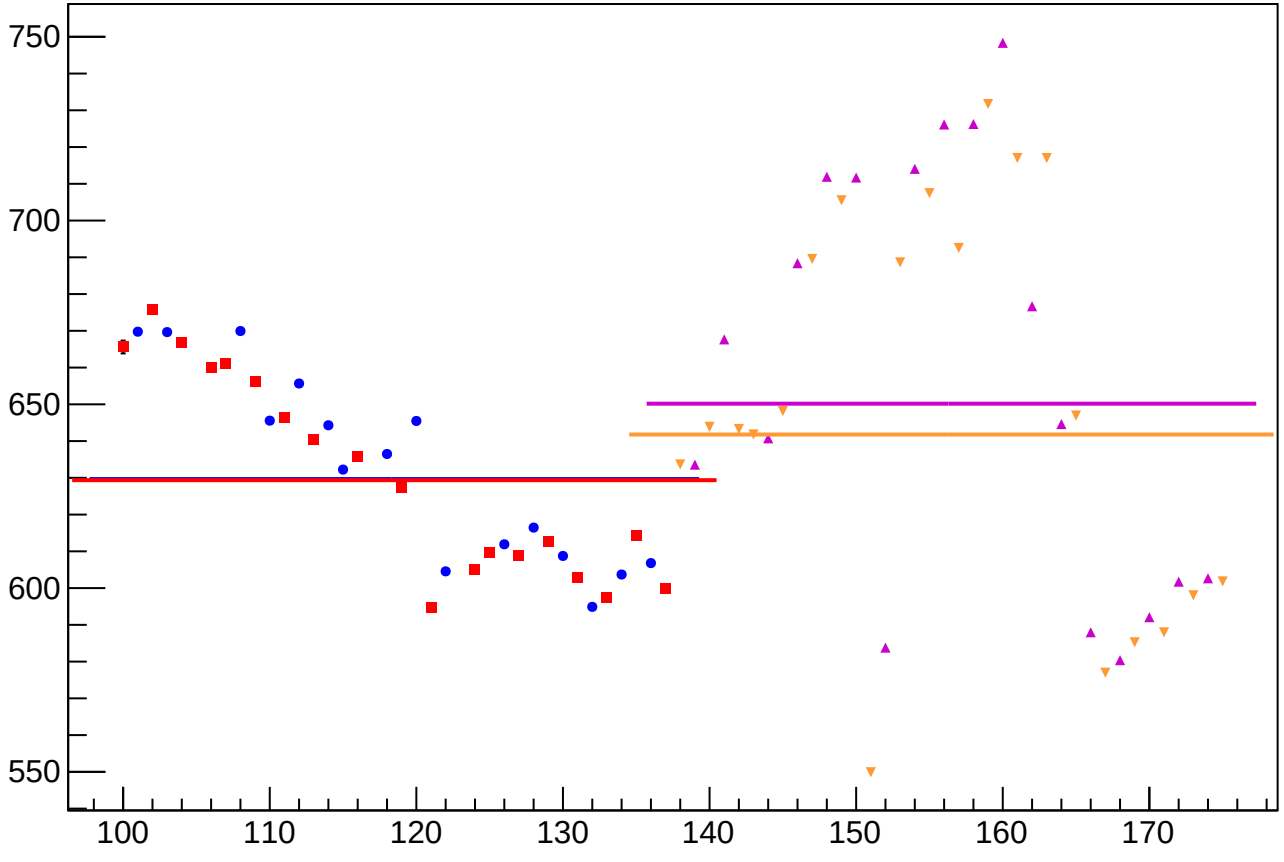
Left In: -19.568+/-0.169 χ^2/NDF:6069.9/17

+ sign 16.045+/-0.133 χ^2/NDF: 54224.3/35

All: 6.929+/-0.095 χ^2/NDF: 111235.7/72

- sign -2.632+/-0.136 χ^2/NDF: 47403.9/36

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 641.783+/-0.114 χ^2/NDF:227054.8/19

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

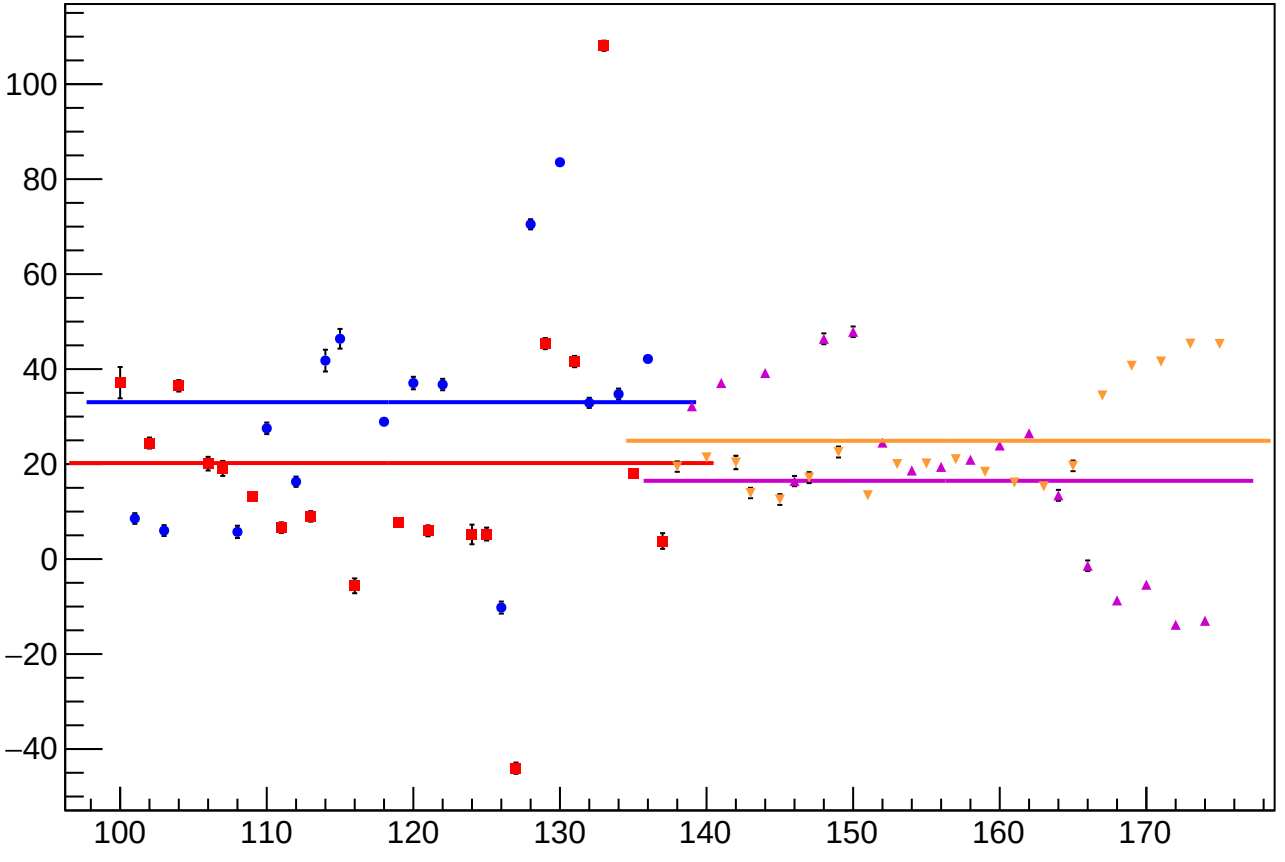
Left In: 650.175+/-0.120 χ^2/NDF:213139.6/17

+ sign 637.861+/-0.094 χ^2/NDF: 255999.9/35

All: 640.292+/-0.067 χ^2/NDF: 507934.8/72

- sign 642.841+/-0.096 χ^2/NDF: 250568.7/36

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 24.906+/-0.230 χ^2/NDF:2385.5/19

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

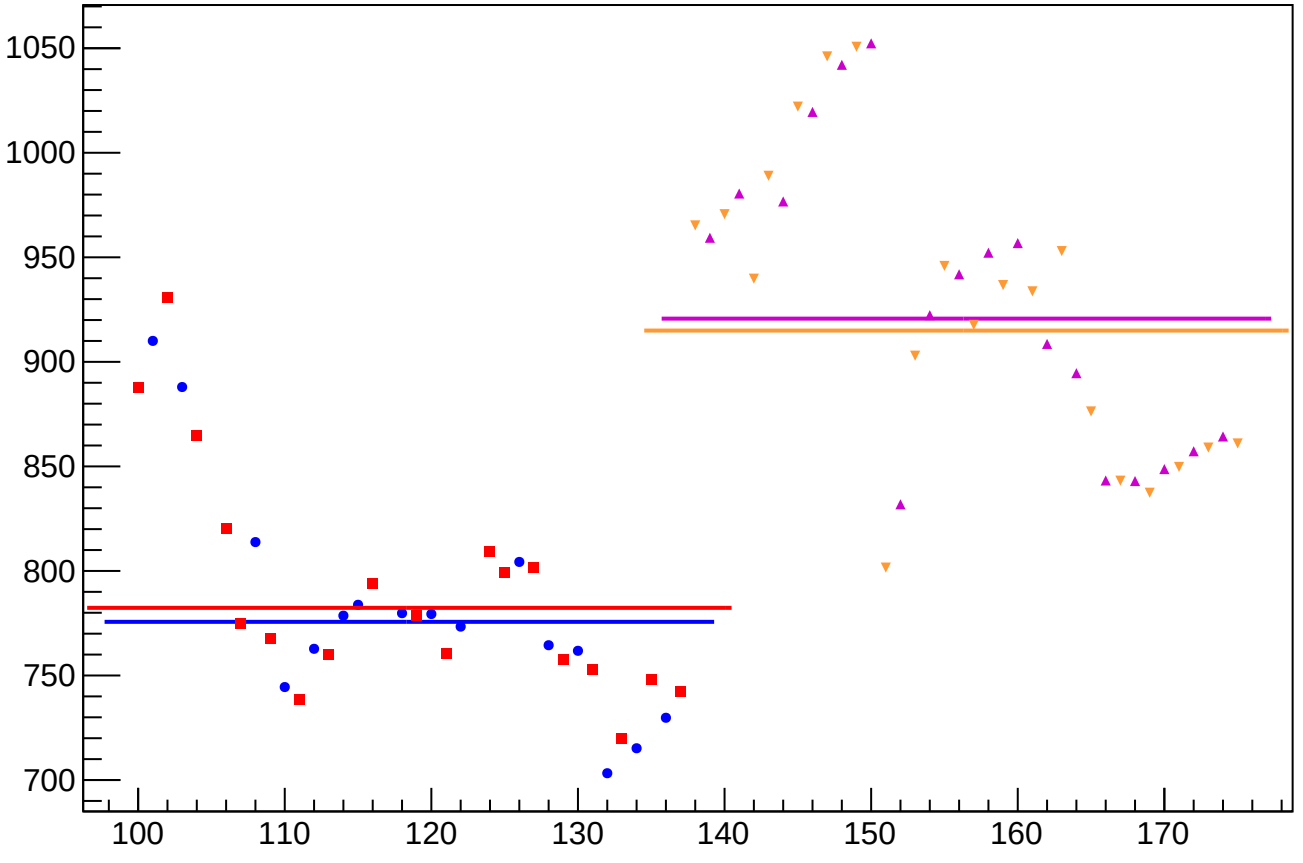
Left In: 16.478+/-0.240 χ^2/NDF:6425.7/17

\+ sign 28.066+/-0.180 χ^2/NDF: 9569.3/35

All: 23.138+/-0.129 χ^2/NDF: 29490.5/72

\- sign 18.019+/-0.184 χ^2/NDF: 18395.7/36

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 914.972+/-0.163 χ^2/NDF:182072.8/19

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

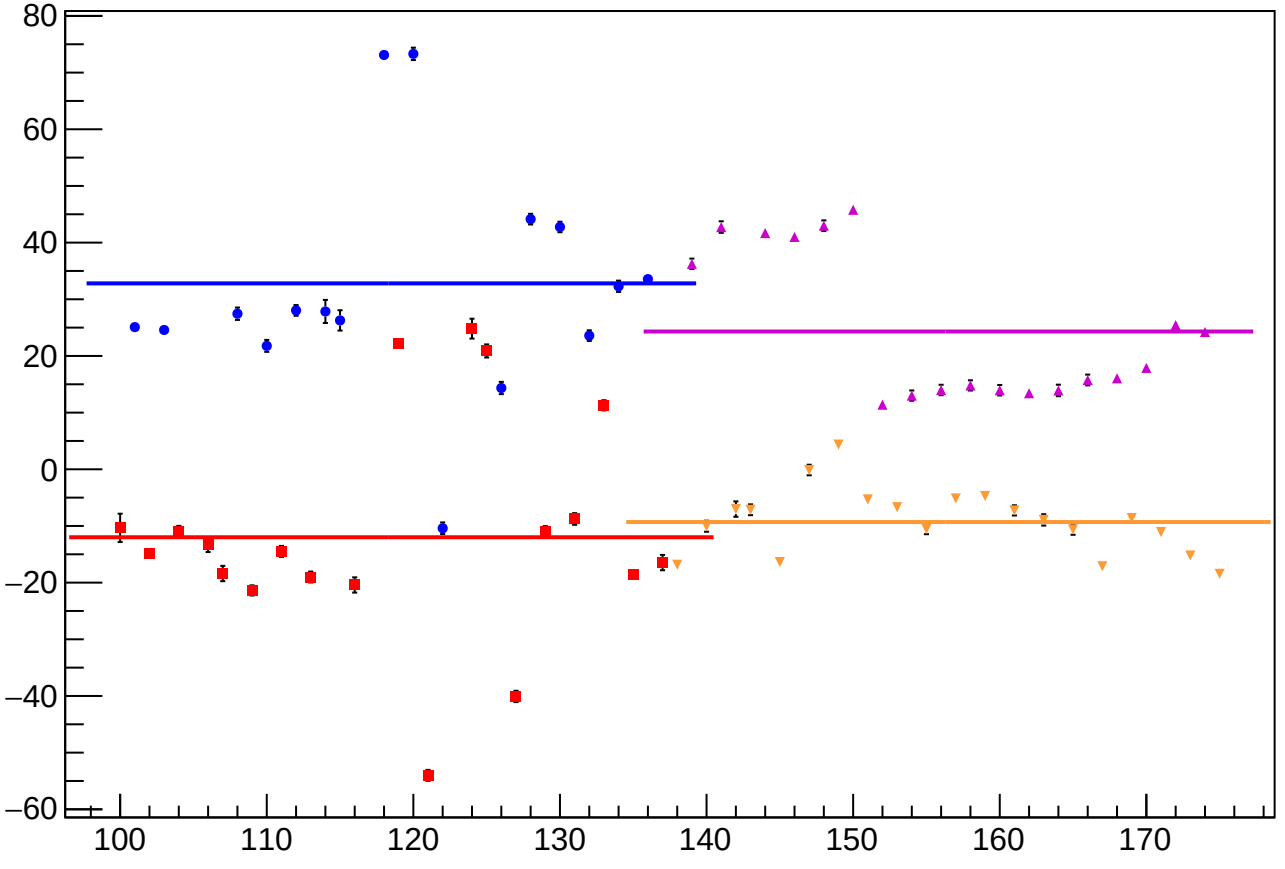
Left In: 920.674+/-0.169 χ^2/NDF:161180.1/17

+ sign 860.807+/-0.127 χ^2/NDF: 540942.2/35

All: 862.197+/-0.091 χ^2/NDF: 1041912.1/72

- sign 863.642+/-0.130 χ^2/NDF: 500727.0/36

diff_bpm1i04Y_mean vs Slug



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -9.309+/-0.197 χ^2/NDF:843.5/19

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

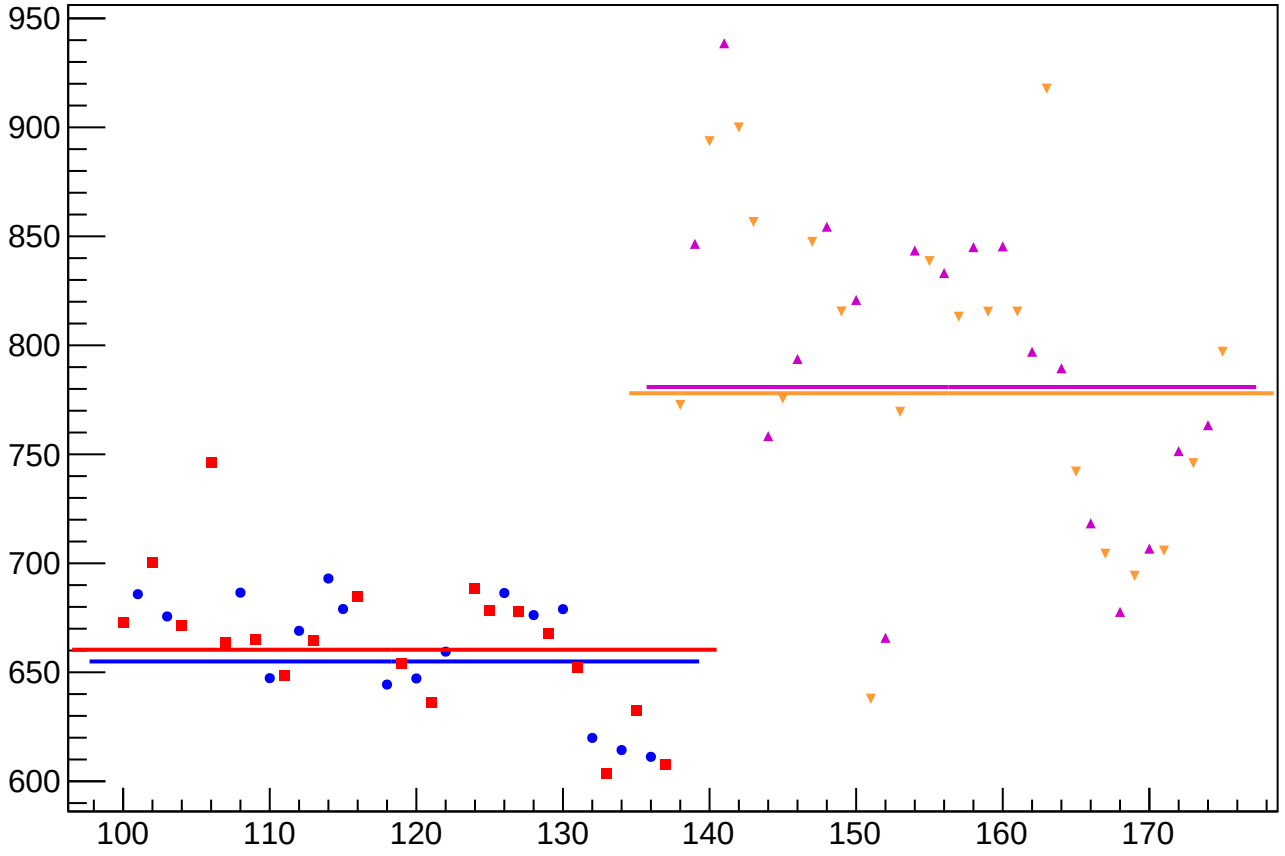
Left In: 24.312+/-0.204 χ^2/NDF:3741.5/17

+ sign 7.318+/-0.153 χ^2/NDF: 25201.7/35

All: 8.227+/-0.109 χ^2/NDF: 48789.5/72

- sign 9.169+/-0.156 χ^2/NDF: 23516.0/36

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 778.024+/-0.139 χ^2/NDF:276681.9/19

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

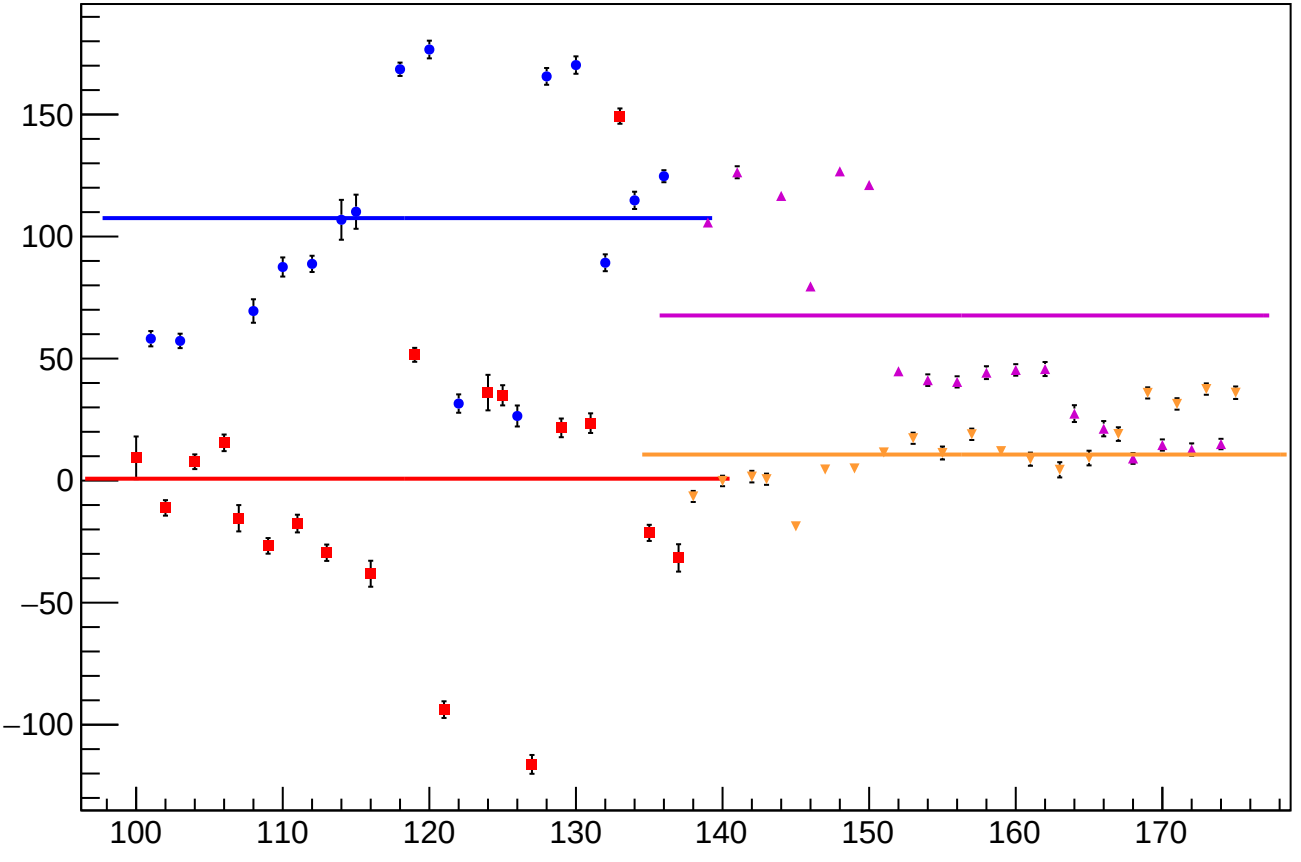
Left In: 780.885+/-0.144 χ^2/NDF:234258.4/17

+ sign 729.442+/-0.108 χ^2/NDF: 612495.8/35

All: 730.016+/-0.077 χ^2/NDF: 1168518.7/72

- sign 730.612+/-0.110 χ^2/NDF: 555965.5/36

diff_bpm1i06X_mean vs Slug



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 10.689+/-0.504 χ^2/NDF:830.5/19

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

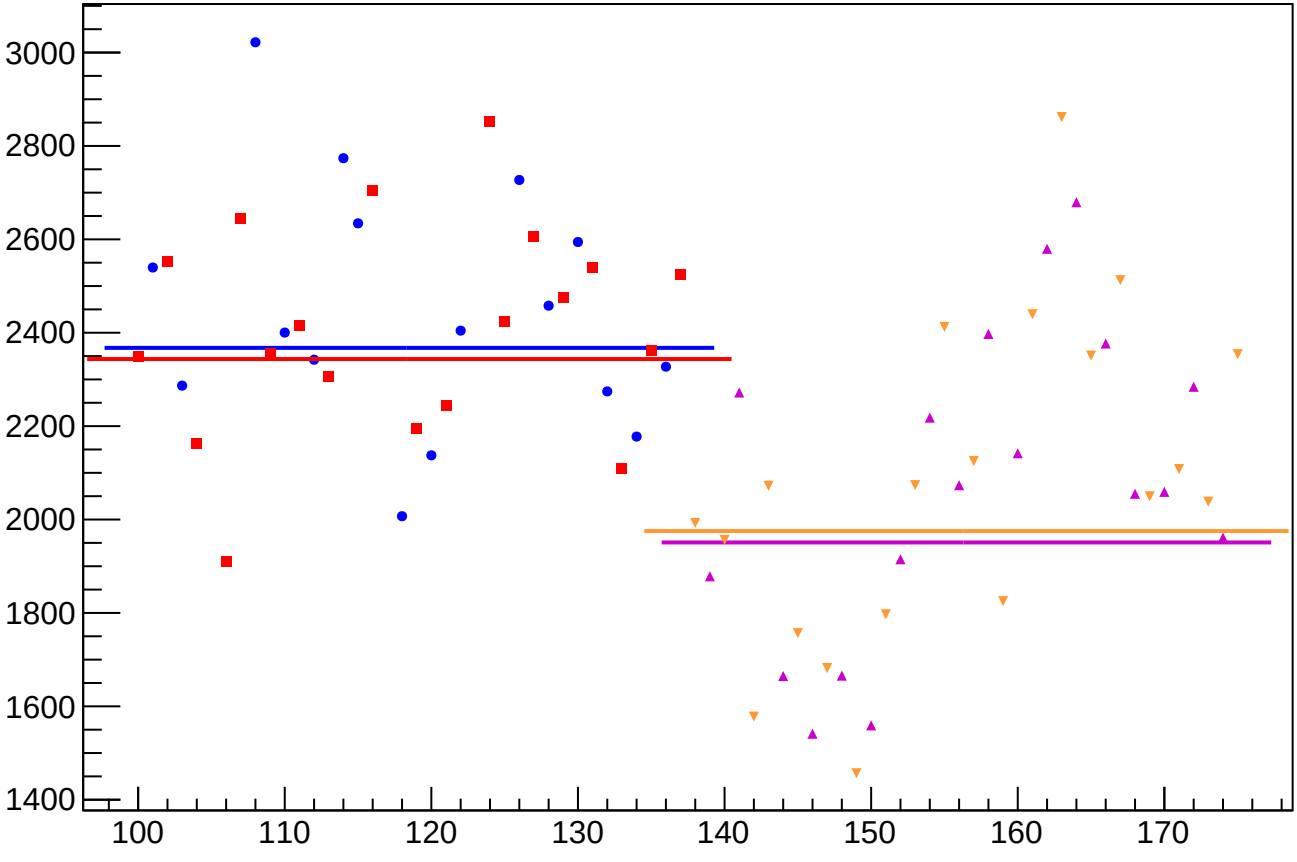
Left In: 67.663+/-0.516 χ^2/NDF:7071.7/17

+ sign 34.415+/-0.438 χ^2/NDF: 12823.6/35

All: 42.126+/-0.311 χ^2/NDF: 29725.4/72

- sign 49.991+/-0.443 χ^2/NDF: 16276.1/36

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1975.391+/-0.357 χ^2/NDF:817740.6/19

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

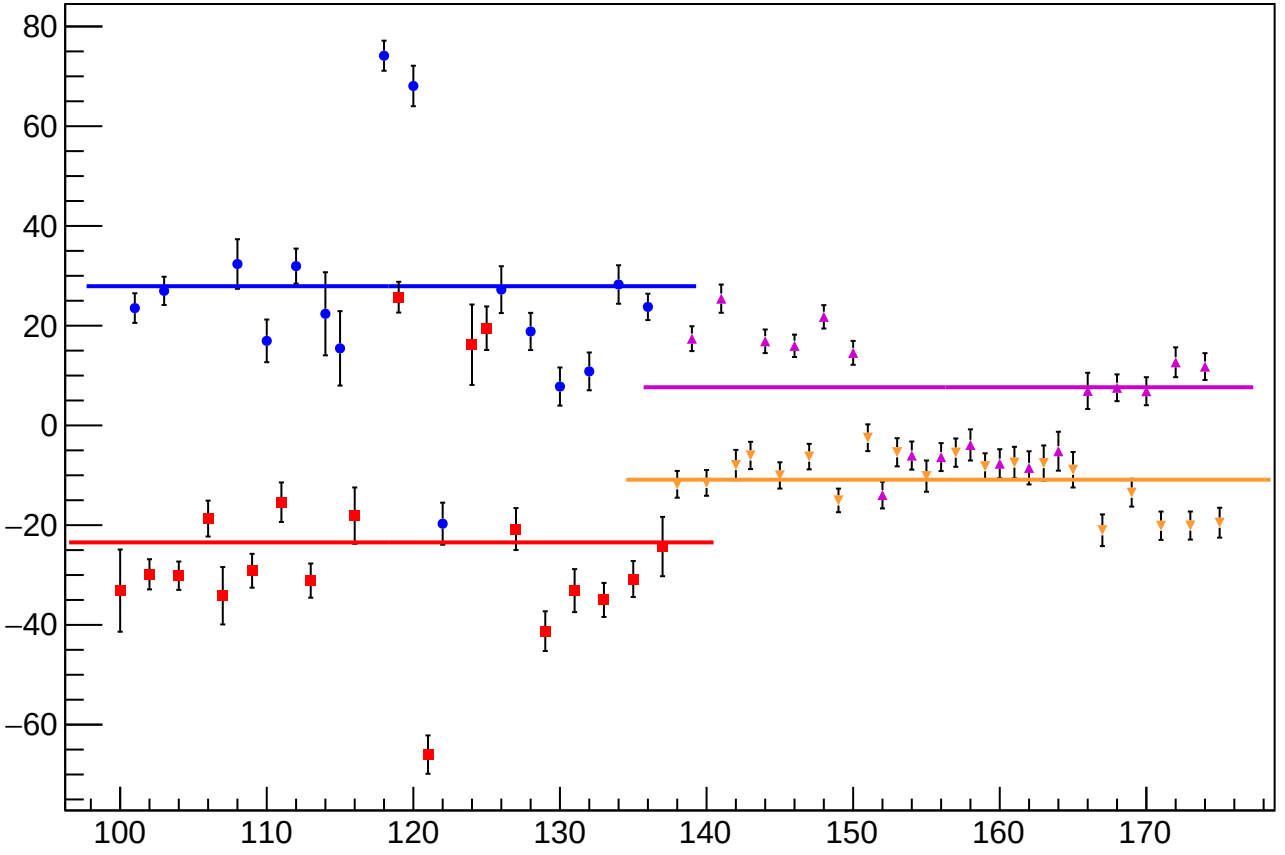
Left In: 1950.942+/-0.365 χ^2/NDF:742909.6/17

+ sign 2071.471+/-0.310 χ^2/NDF: 1240916.3/35

All: 2063.181+/-0.220 χ^2/NDF: 2403882.0/72

- sign 2054.727+/-0.313 χ^2/NDF: 1161519.8/36

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -10.883+/-0.633 χ^2/NDF:72.1/19

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

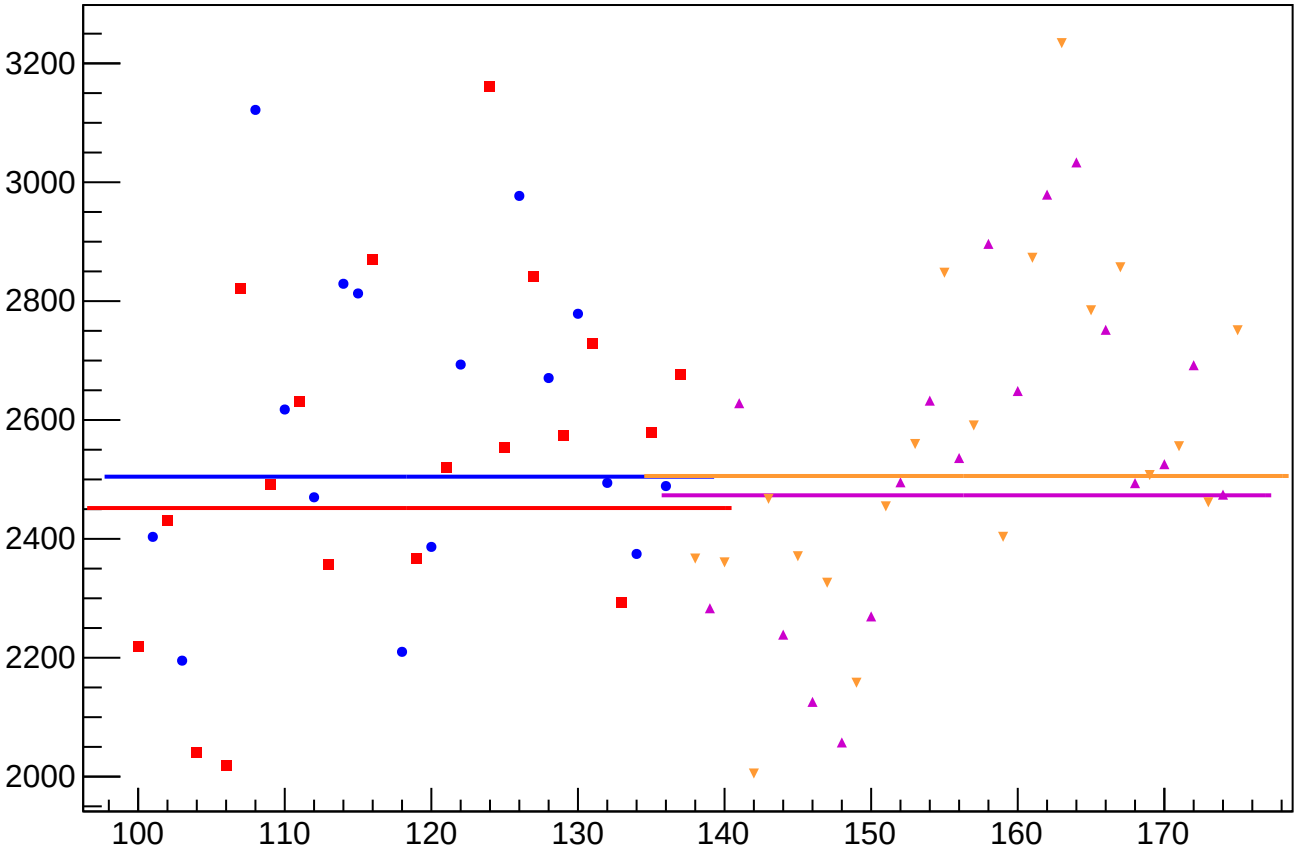
Left In: 7.653+/-0.648 χ^2/NDF:322.9/17

+ sign 1.288+/-0.525 χ^2/NDF: 1780.1/35

All: -0.815+/-0.372 χ^2/NDF: 3486.8/72

- sign -2.934+/-0.527 χ^2/NDF: 1674.4/36

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2505.801+/-0.448 χ^2/NDF:318439.0/19

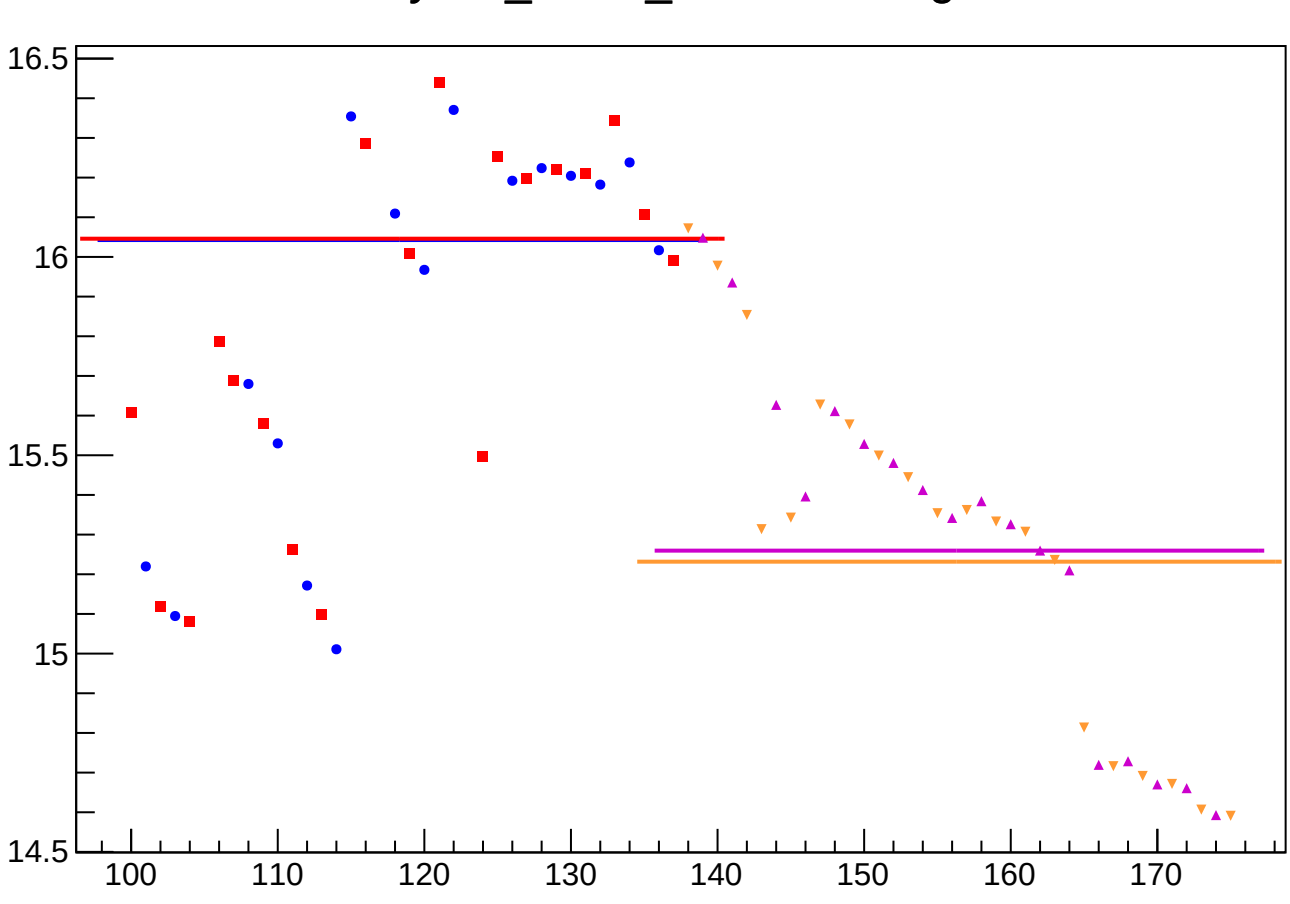
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2473.289+/-0.458 χ^2/NDF:324765.3/17

\+ sign 2505.441+/-0.371 χ^2/NDF: 445040.1/35

All: 2485.793+/-0.263 χ^2/NDF: 929414.7/72

\- sign 2466.003+/-0.372 χ^2/NDF: 478744.6/36



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.232+/-0.000 χ^2/NDF:27933345458.9/19

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

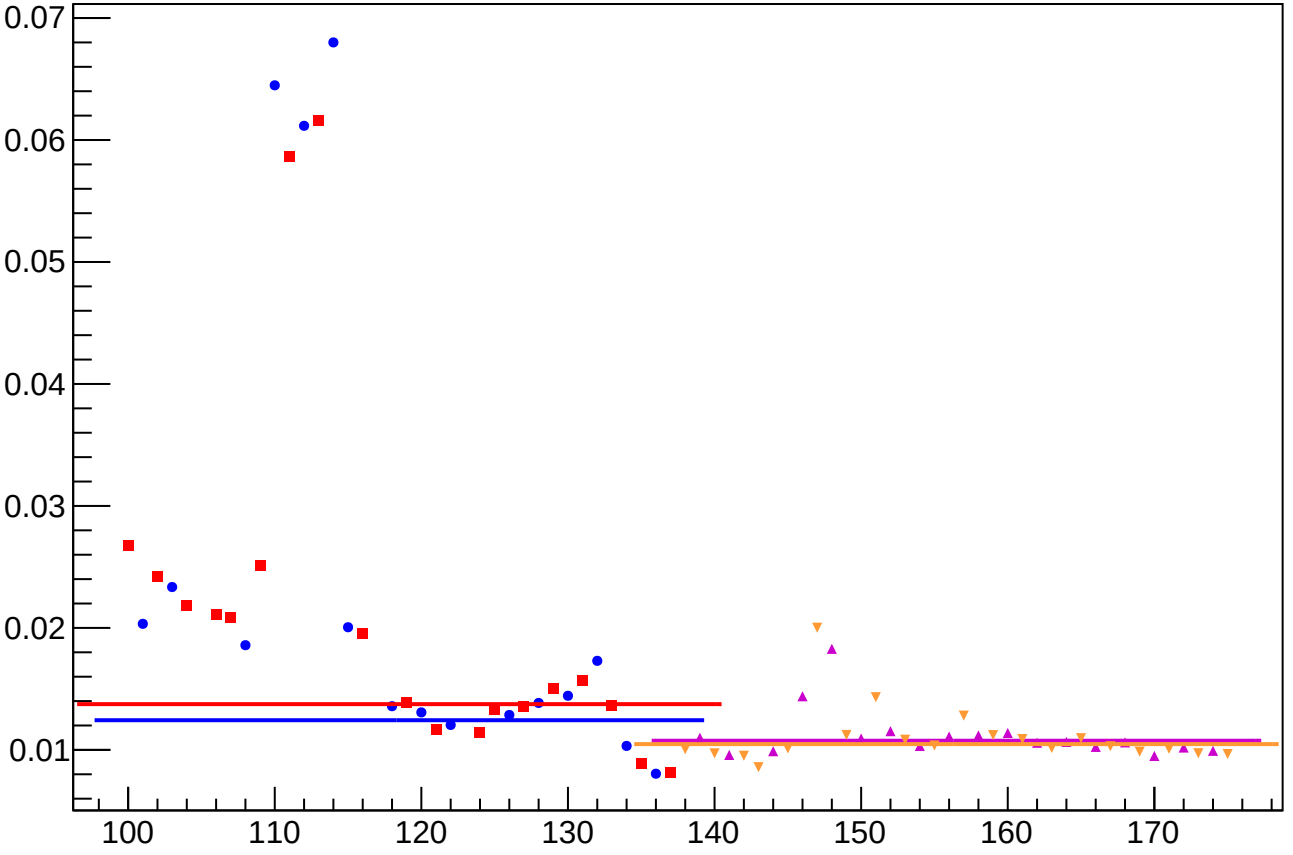
Left In: 15.260+/-0.000 χ^2/NDF:24109881575.8/17

+ sign 15.401+/-0.000 χ^2/NDF: 49301205679.2/35

All: 15.408+/-0.000 χ^2/NDF: 91870861712.2

- sign 15.417+/-0.000 χ^2/NDF: 42549890962.8/36

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:675418.9/19

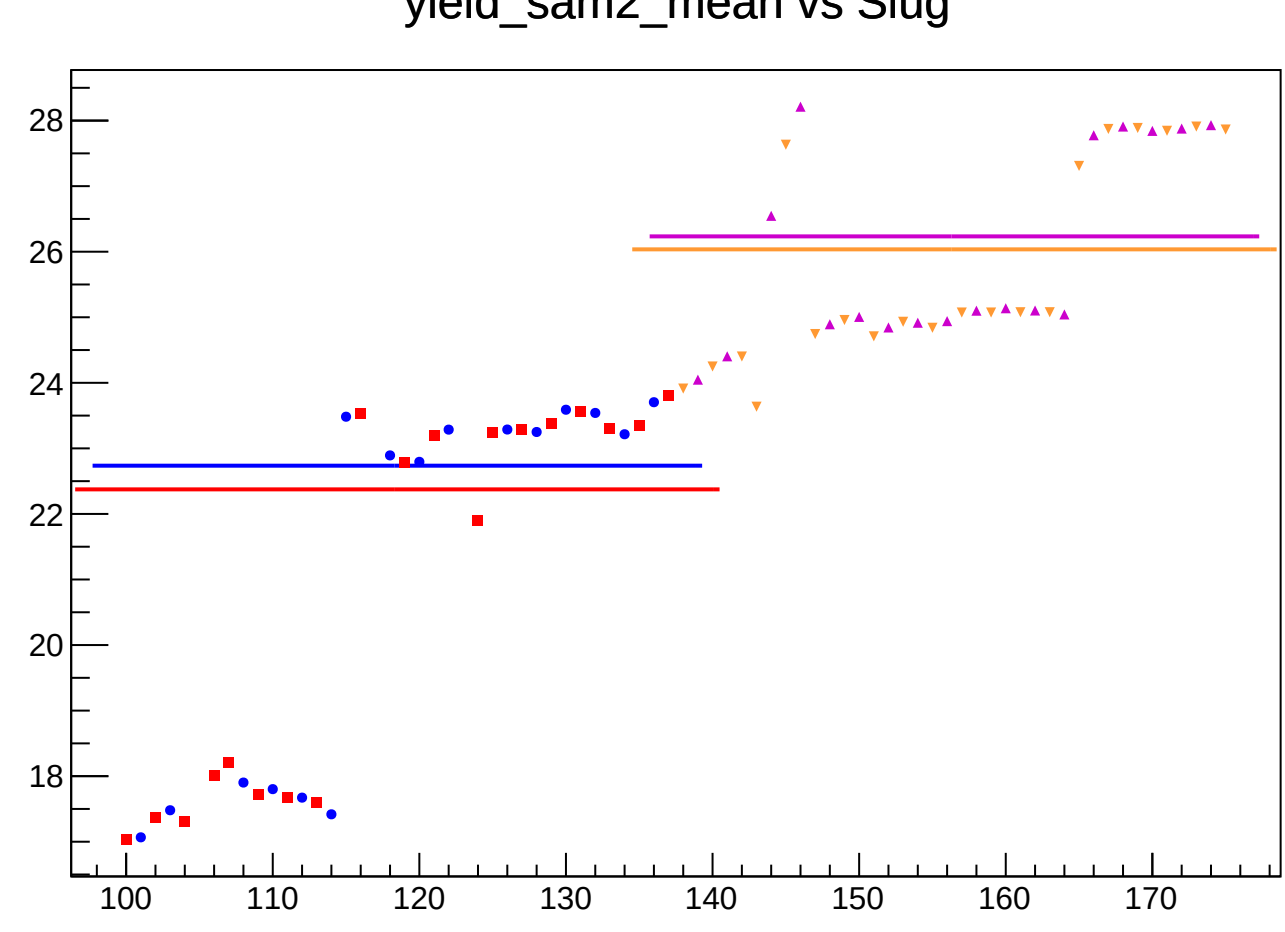
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:477049.0/17

+ sign 0.011+/-0.000 χ^2/NDF: 3208855.0/35

All: 0.011+/-0.000 χ^2/NDF: 6384892.6/72

- sign 0.011+/-0.000 χ^2/NDF: 3140878.3/36



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 26.036+/-0.000 χ^2/NDF:2900345011.0/19

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

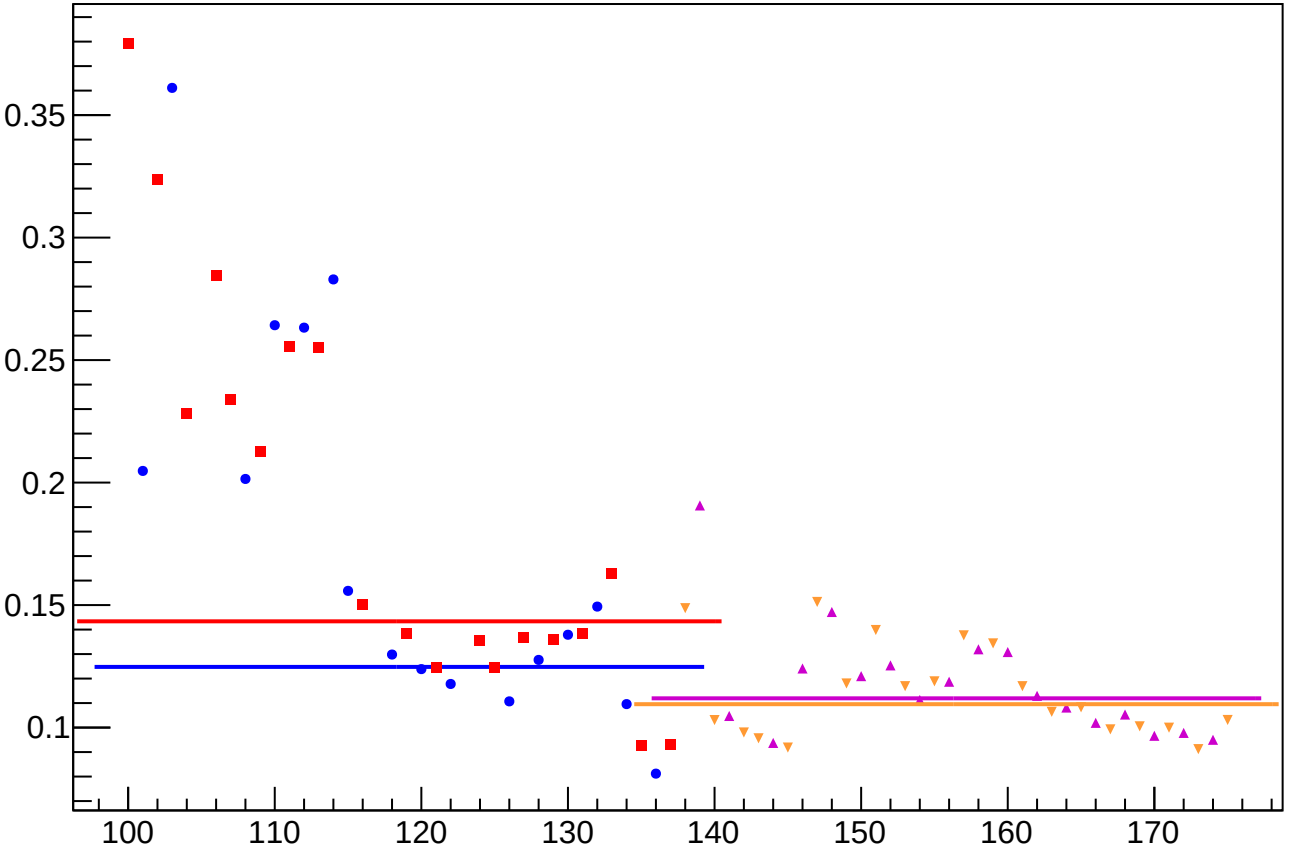
Left In: 26.234+/-0.000 χ^2/NDF:2160101374.2/17

+ sign 25.265+/-0.000 χ^2/NDF: 6988097882.8/35

All: 25.329+/-0.000 χ^2/NDF: 13640622188.3

- sign 25.401+/-0.000 χ^2/NDF: 6639875595.1/36

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.110+/-0.000 χ^2/NDF:616082.4/19

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

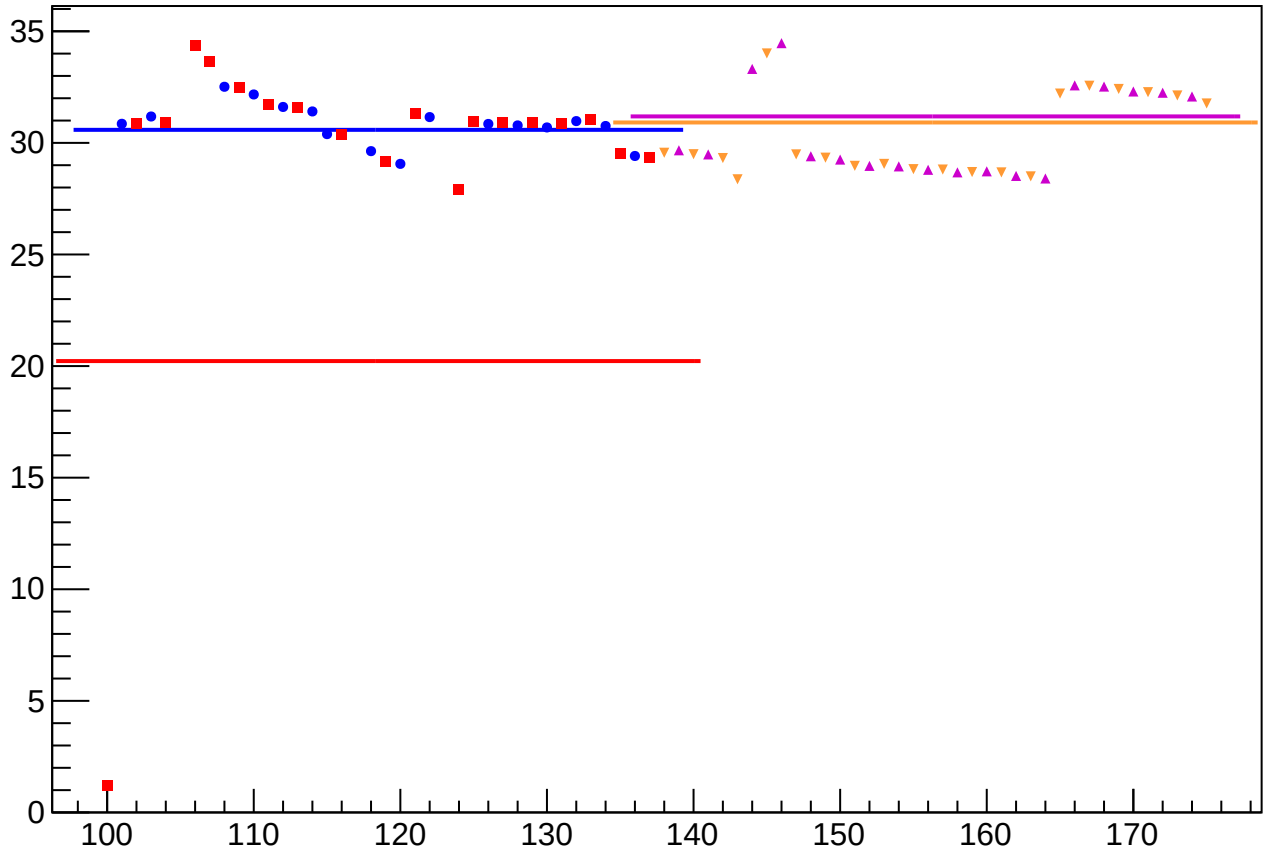
Left In: 0.112+/-0.000 χ^2/NDF:678029.6/17

+ sign 0.113+/-0.000 χ^2/NDF: 2487840.0/35

All: 0.116+/-0.000 χ^2/NDF: 5212611.0/72

- sign 0.119+/-0.000 χ^2/NDF: 2681252.9/36

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.914+/-0.000 χ^2/NDF:11608178751.1/19

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

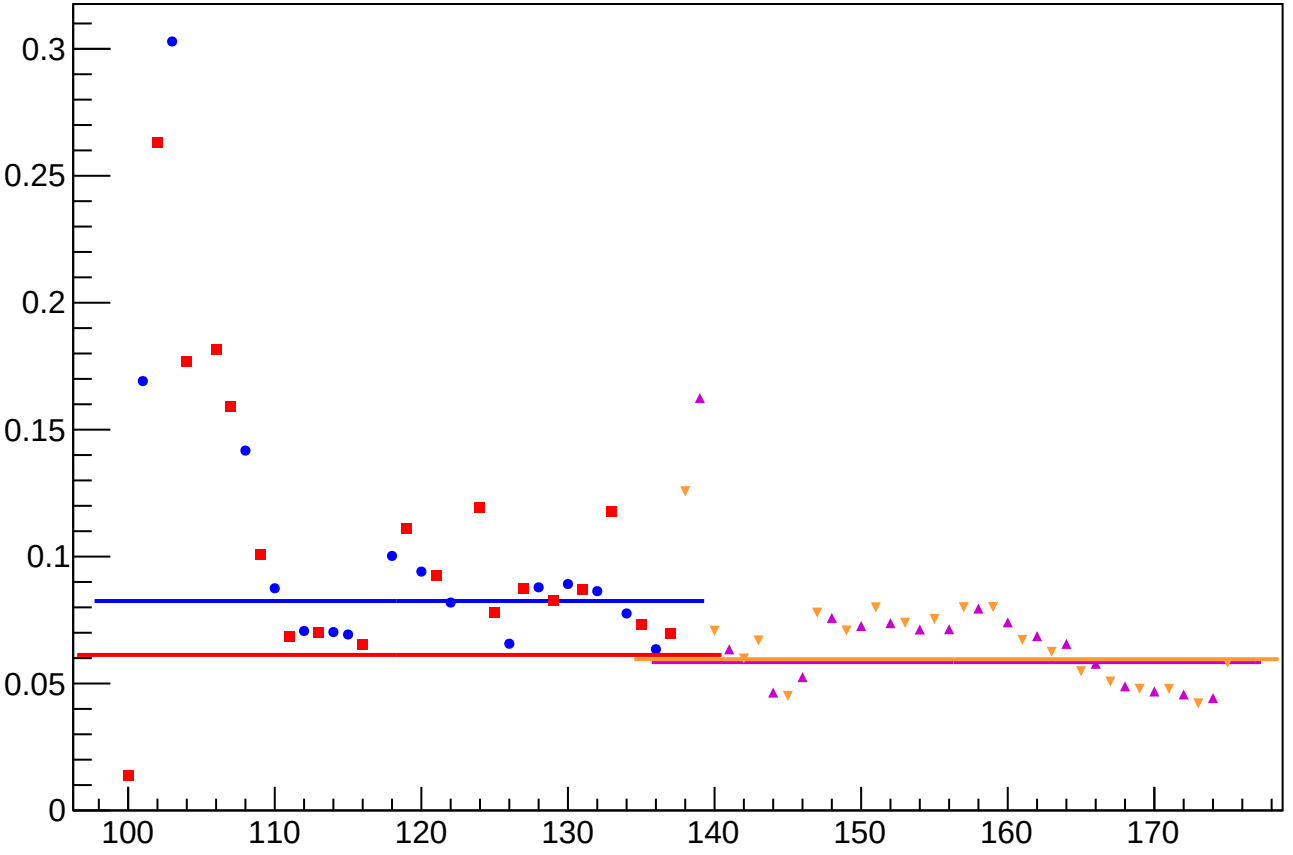
Left In: 31.186+/-0.000 χ^2/NDF:12479802938.7/17

+ sign 30.853+/-0.000 χ^2/NDF: 12328911351.7/35

All: 29.613+/-0.000 χ^2/NDF: 356363224069.

- sign 28.431+/-0.000 χ^2/NDF: 331636358072.9/36

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.060+/-0.000 χ^2/NDF:1450142.7/19

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

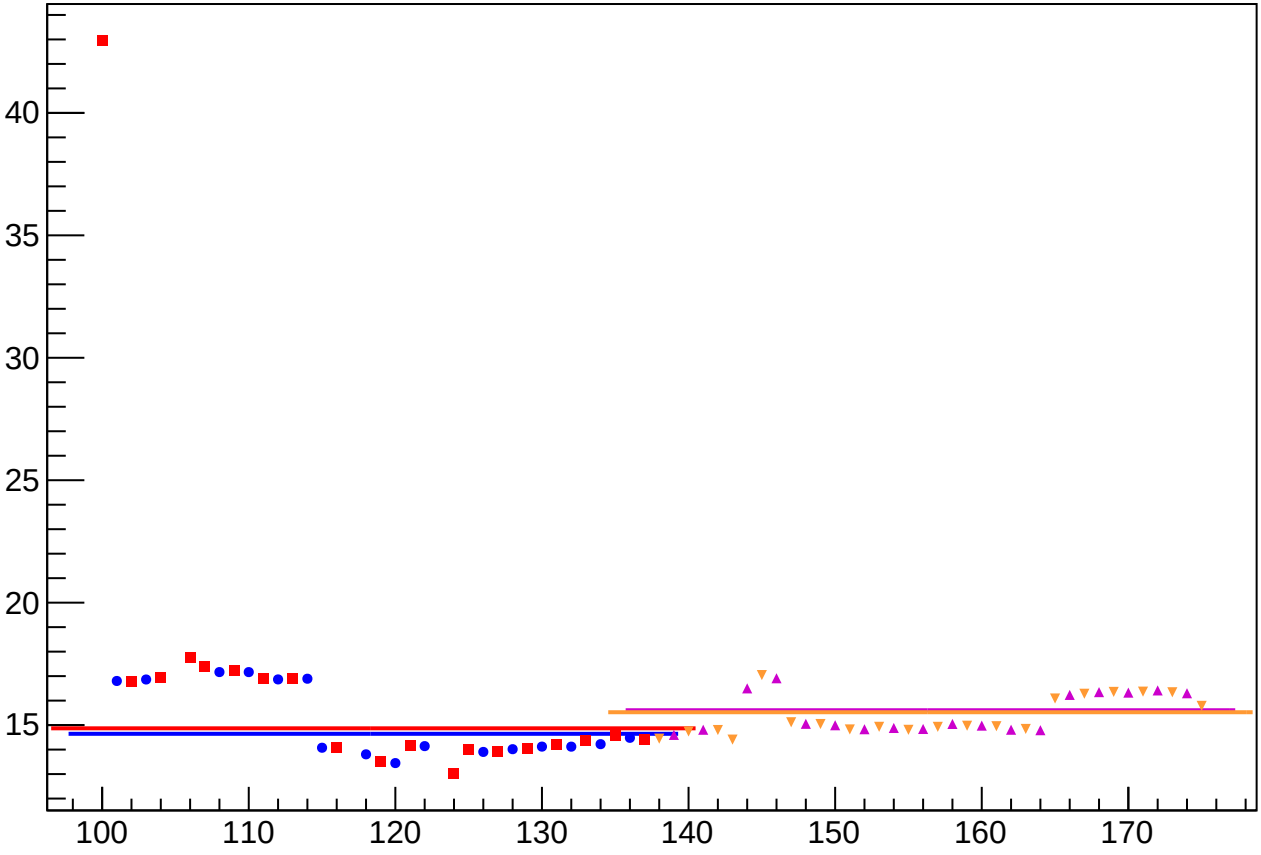
Left In: 0.058+/-0.000 χ^2/NDF:1642335.1/17

+ sign 0.064+/-0.000 χ^2/NDF: 3372371.3/35

All: 0.061+/-0.000 χ^2/NDF: 9136500.4/72

- sign 0.059+/-0.000 χ^2/NDF: 5669681.1/36

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.526+/-0.000 χ^2/NDF:2038455661.1/19

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

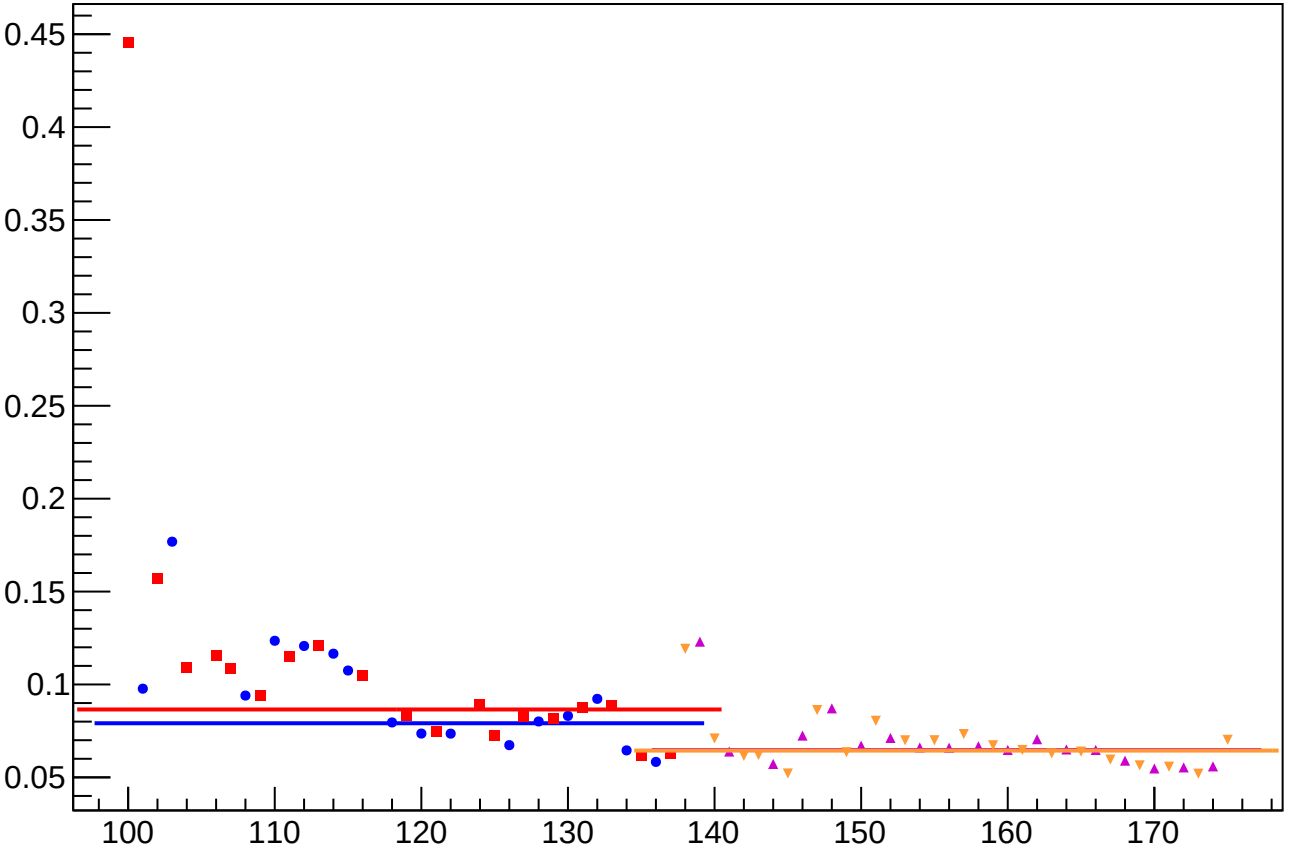
Left In: 15.606+/-0.000 χ^2/NDF:1790176078.6/17

+ sign 15.326+/-0.000 χ^2/NDF: 3795910667.8/35

All: 15.384+/-0.000 χ^2/NDF: 7696157389.0/7

- sign 15.447+/-0.000 χ^2/NDF: 3870984728.2/36

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.064+/-0.000 χ^2/NDF:744682.8/19

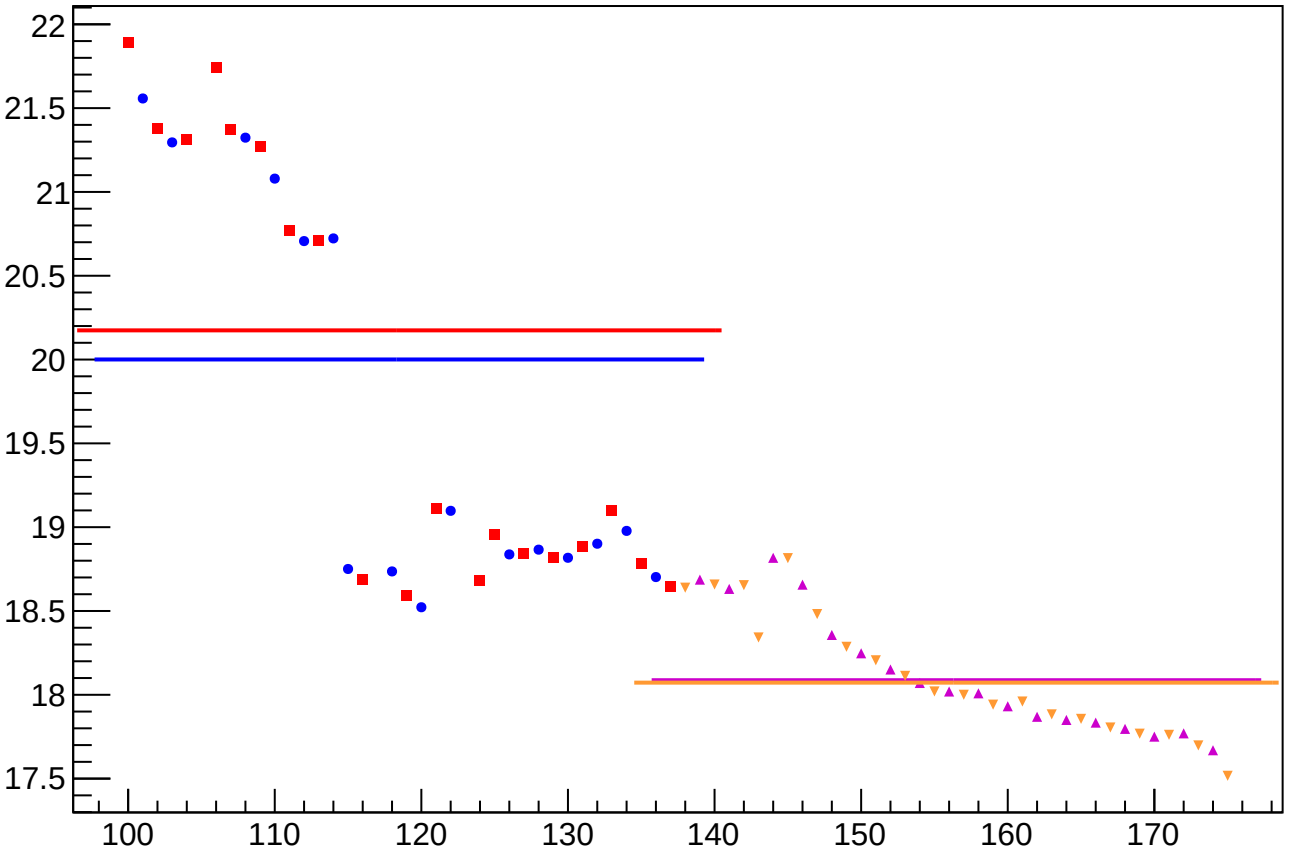
Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.065+/-0.000 χ^2/NDF:674639.0/17

+ sign 0.068+/-0.000 χ^2/NDF: 1976761.0/35

All: 0.069+/-0.000 χ^2/NDF: 4068967.6/72

- sign 0.069+/-0.000 χ^2/NDF: 2081118.7/36



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.073+/-0.000 χ^2/NDF:1979992120.8/19

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

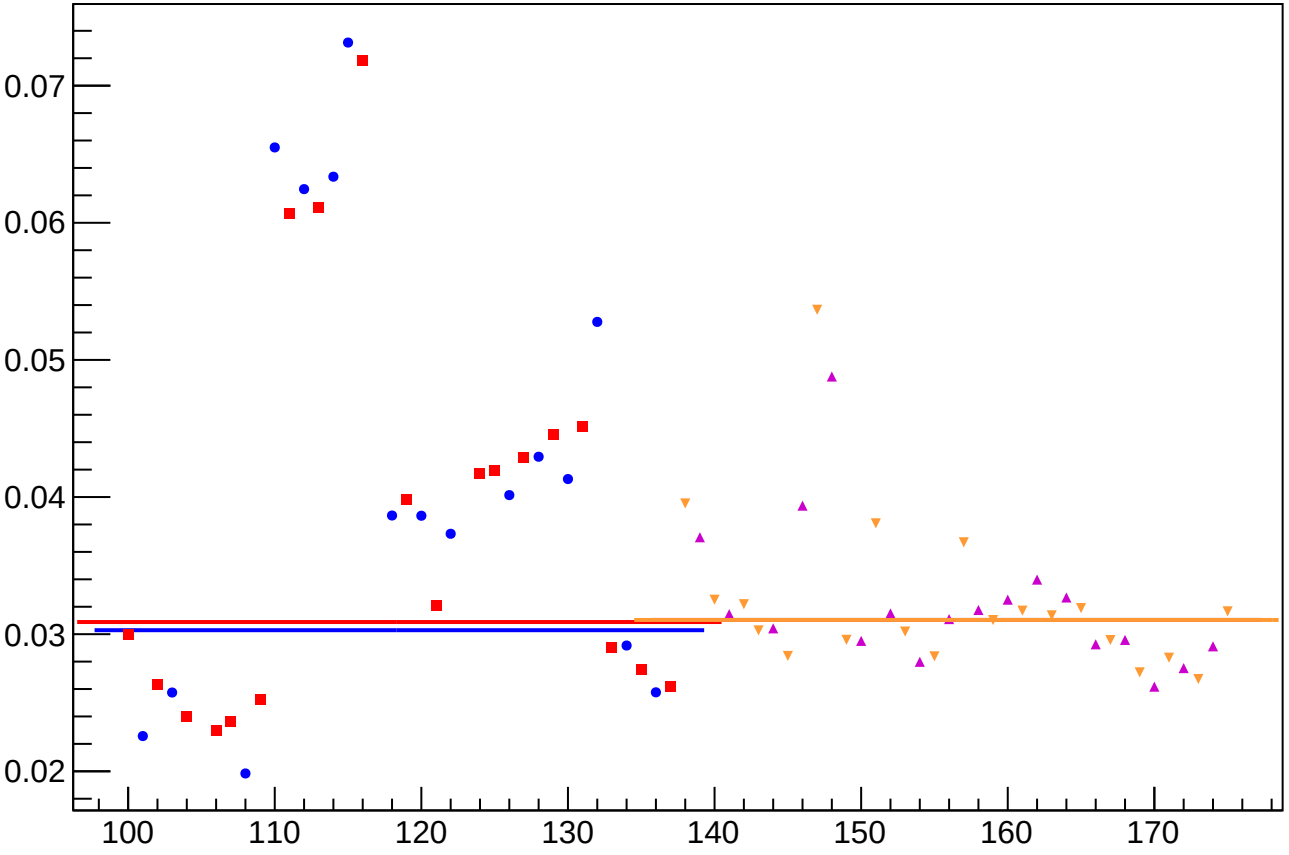
Left In: 18.087+/-0.000 χ^2/NDF:1796734016.4/17

+ sign 18.641+/-0.000 χ^2/NDF: 29892091857.7/35

All: 18.686+/-0.000 χ^2/NDF: 61826133957.8

- sign 18.732+/-0.000 χ^2/NDF: 31844811328.3/36

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.031+/-0.000 χ^2/NDF:573331.0/19

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

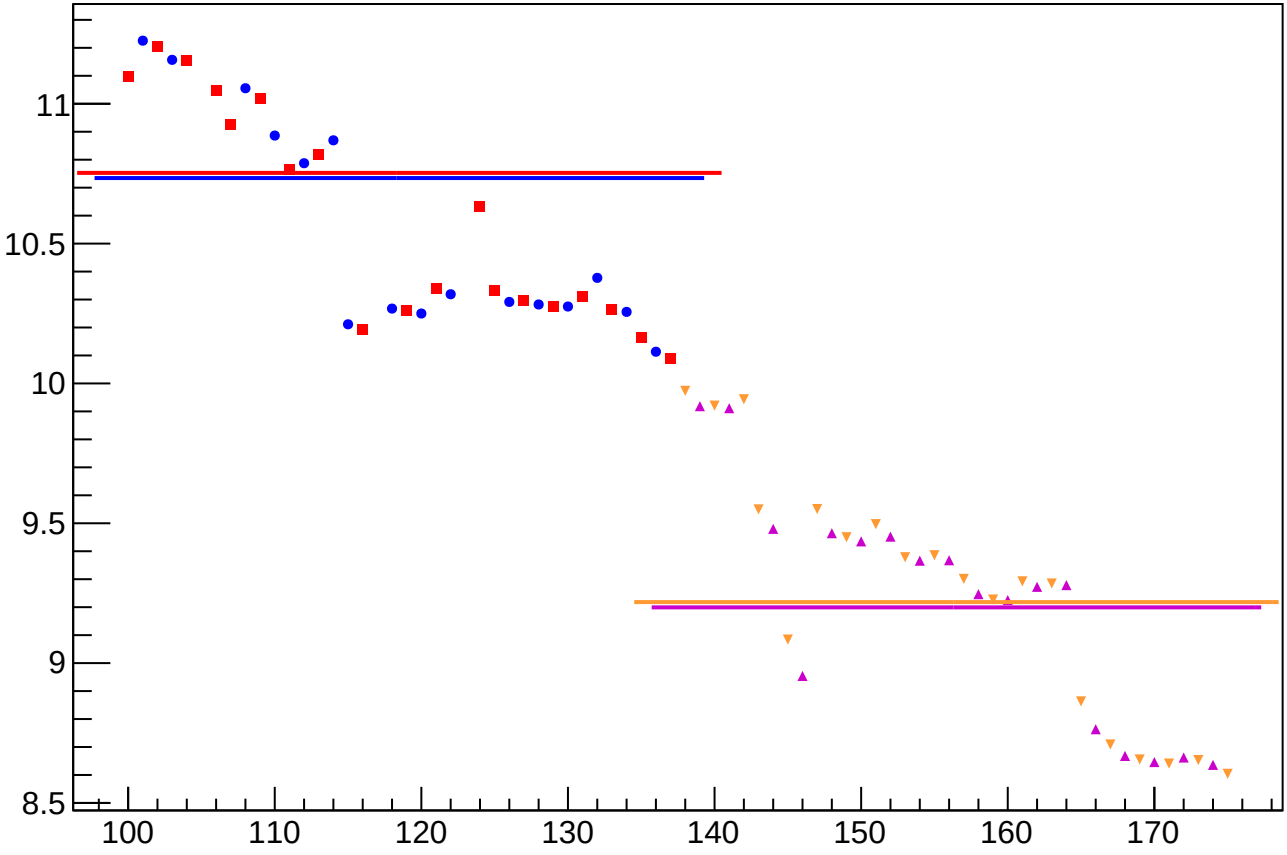
Left In: 0.031+/-0.000 χ^2/NDF:466247.3/17

+ sign 0.031+/-0.000 χ^2/NDF: 2025820.3/35

All: 0.031+/-0.000 χ^2/NDF: 3697655.4/72

- sign 0.031+/-0.000 χ^2/NDF: 1671182.3/36

yield_sam6_mean vs Slug



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.218+/-0.000 χ^2/NDF:7141074092.1/19

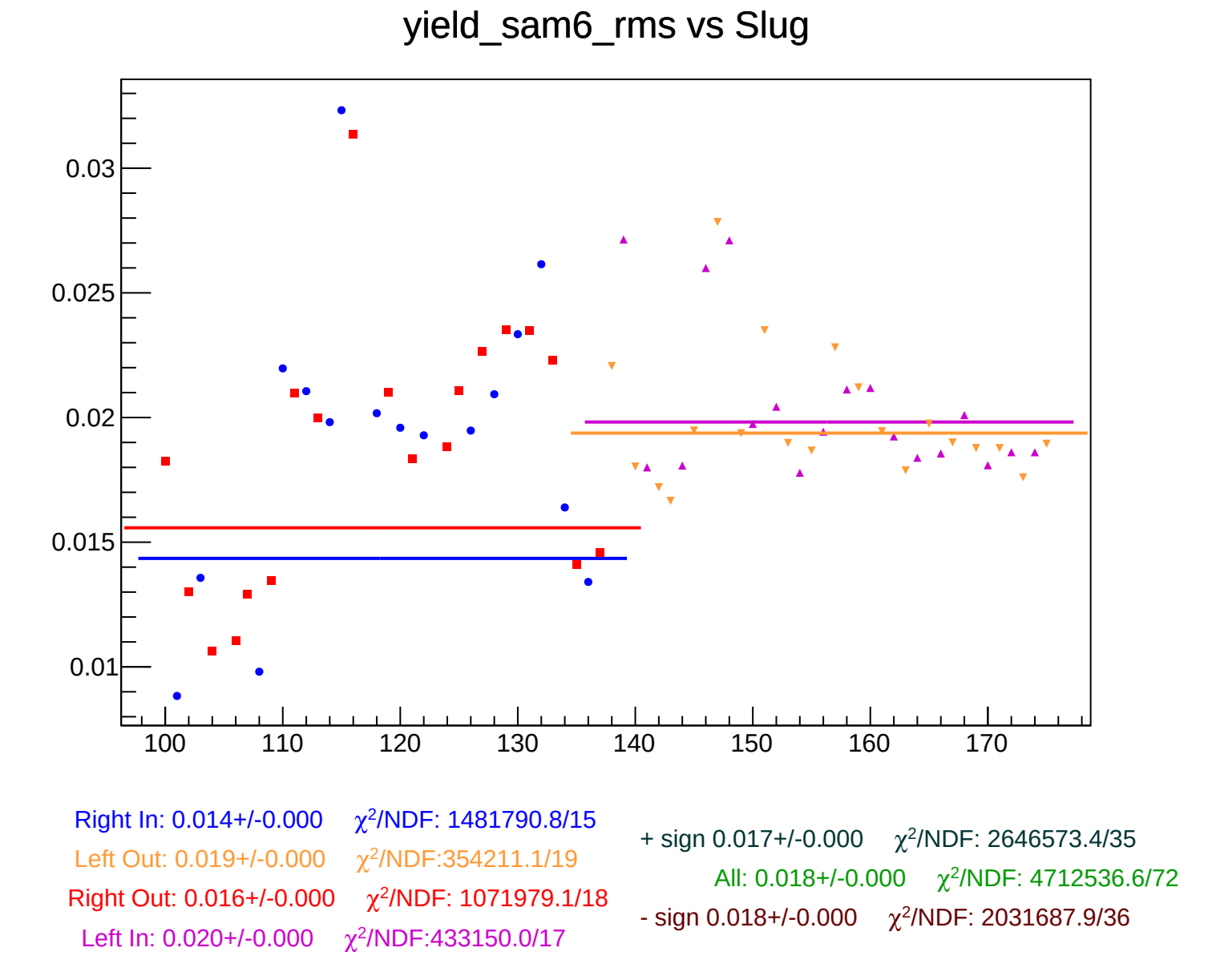
Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.199+/-0.000 χ^2/NDF:5452184485.3/17

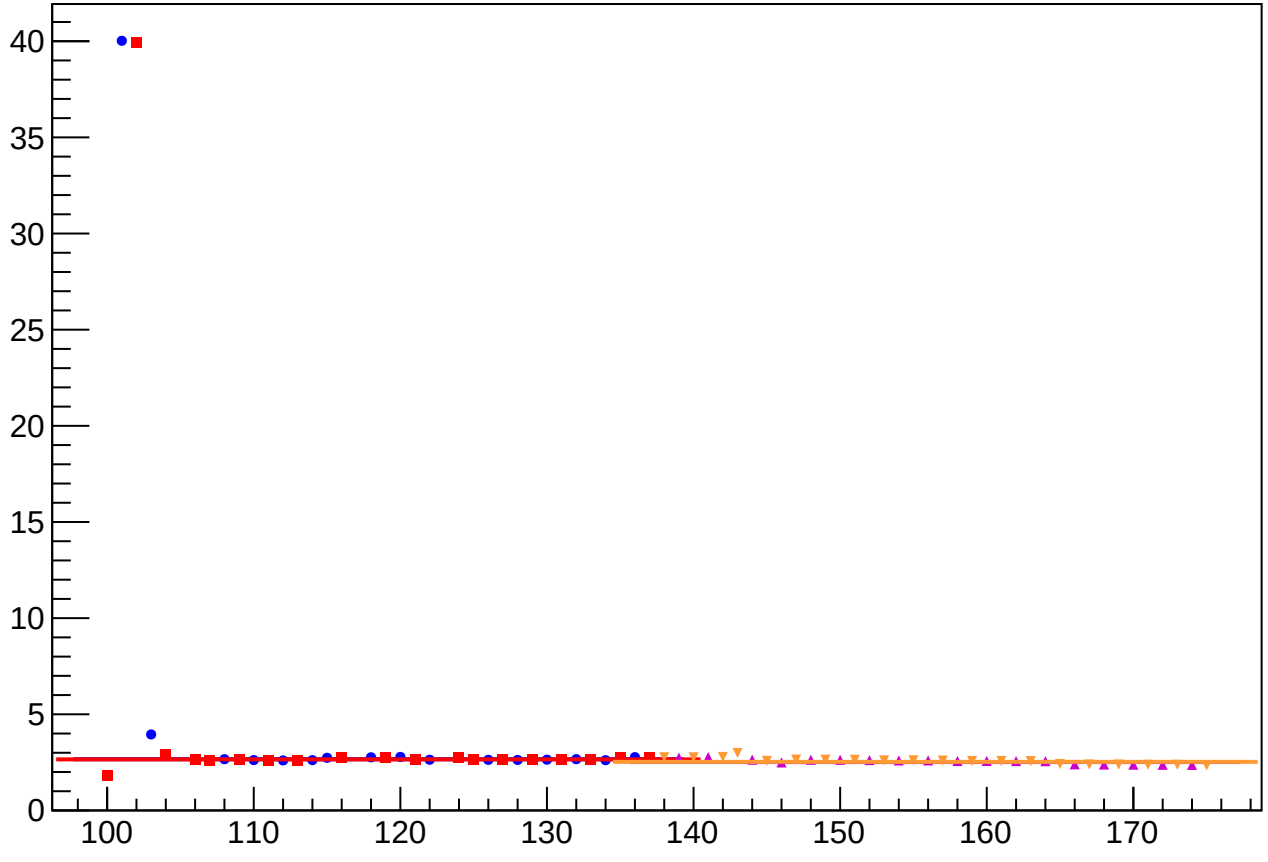
+ sign 9.853+/-0.000 χ^2/NDF: 49908617118.1/35

All: 9.858+/-0.000 χ^2/NDF: 94999784552.9/7

- sign 9.862+/-0.000 χ^2/NDF: 45088693405.0/36


yield_sam6_rms vs Slug
0.03
0.025
0.02
0.015
0.01
100
110
120
130
140
150
160
170
Right In: 0.014+/-0.000 χ²/NDF: 1481790.8/15
Left Out: 0.019+/-0.000 χ²/NDF:354211.1/19
Right Out: 0.016+/-0.000 χ²/NDF: 1071979.1/18
Left In: 0.020+/-0.000 χ²/NDF:433150.0/17
+ sign 0.017+/-0.000 χ²/NDF: 2646573.4/35
All: 0.018+/-0.000 χ²/NDF: 4712536.6/72
- sign 0.018+/-0.000 χ²/NDF: 2031687.9/36

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.527+/-0.000 χ^2/NDF:72398830327.4/19

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

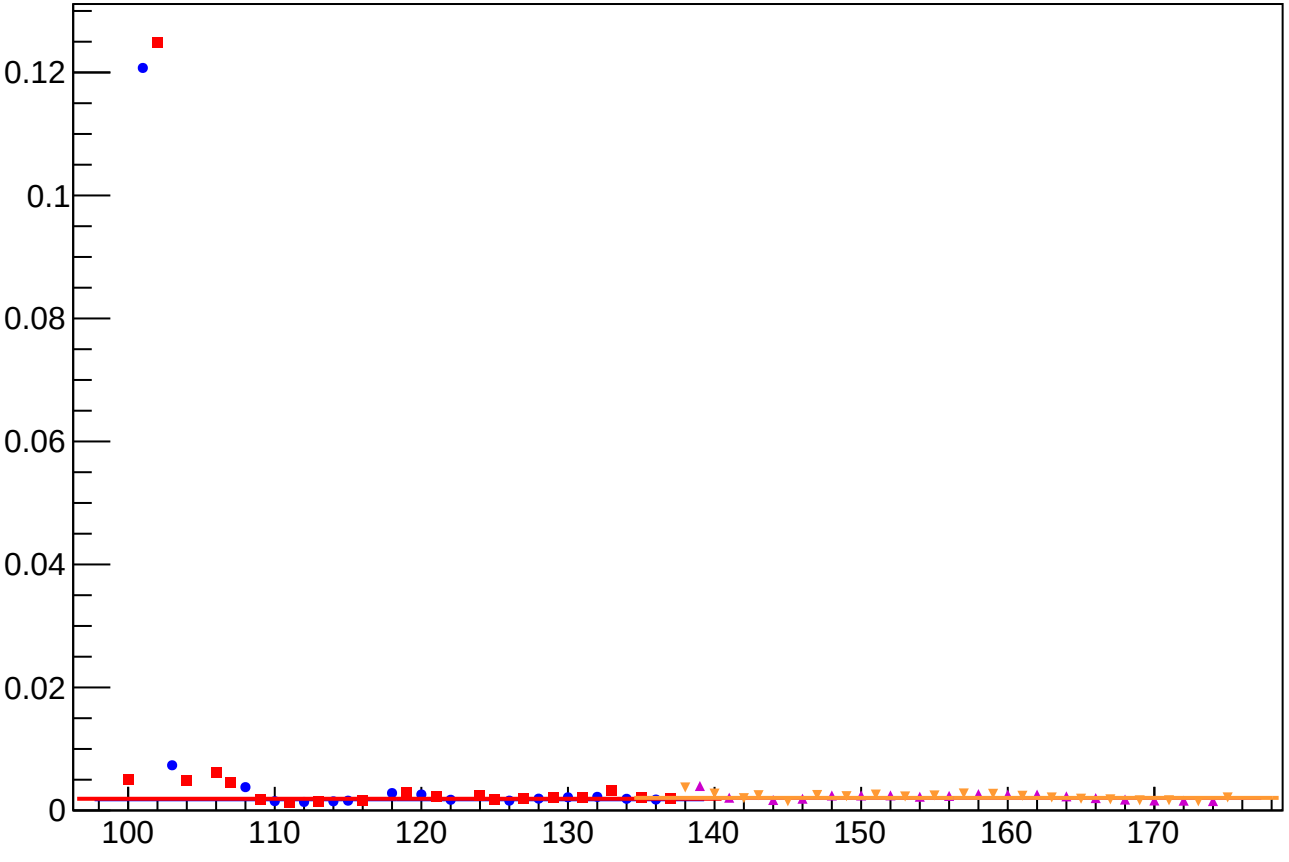
Left In: 2.516+/-0.000 χ^2/NDF:47316830736.2/17

+ sign 2.571+/-0.000 χ^2/NDF: 158446599710.6/35

All: 2.567+/-0.000 χ^2/NDF: 289615903495.4

- sign 2.562+/-0.000 χ^2/NDF: 130977229132.0/36

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1372247.0/19

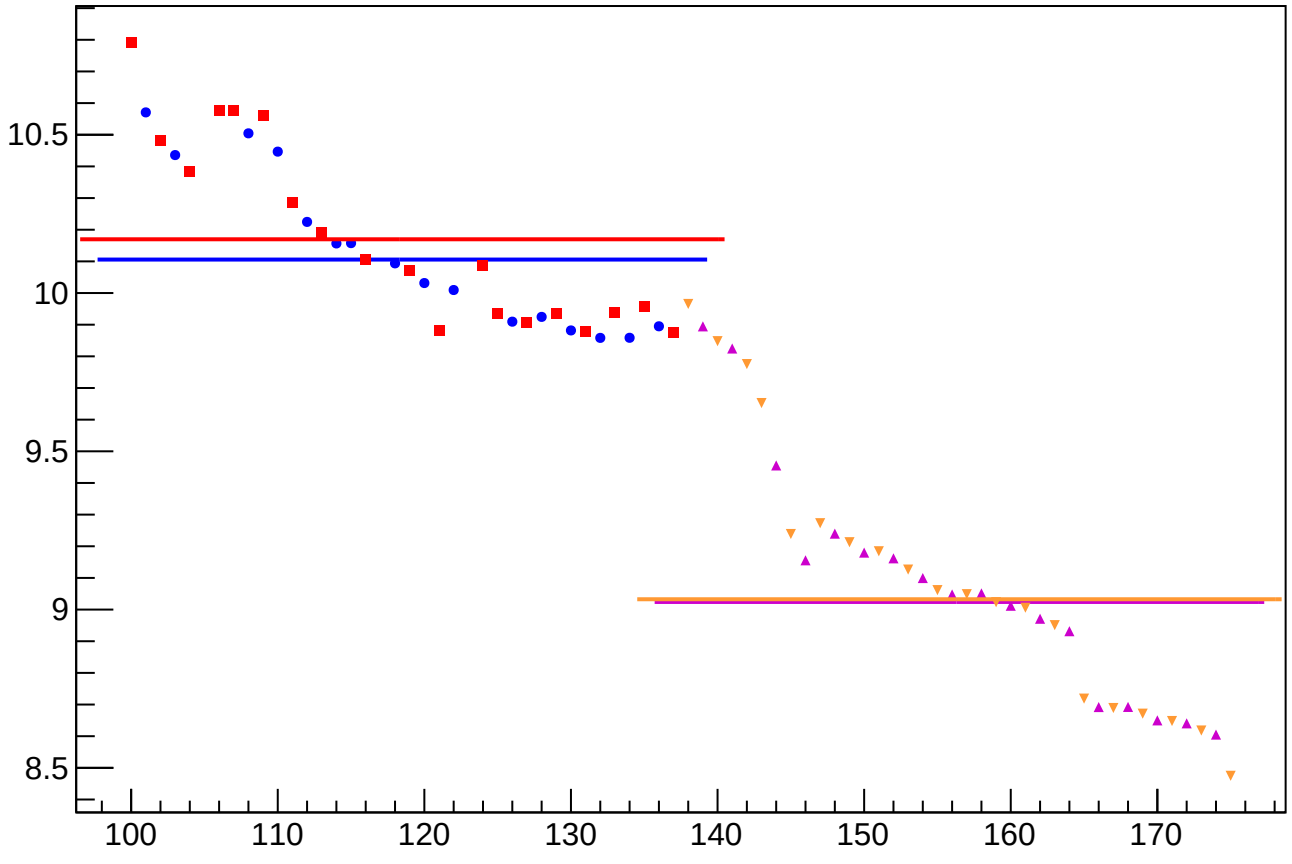
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1209241.7/17

+ sign 0.002+/-0.000 χ^2/NDF: 3297710.3/35

All: 0.002+/-0.000 χ^2/NDF: 7062775.9/72

- sign 0.002+/-0.000 χ^2/NDF: 3764247.9/36



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.033+/-0.000 χ^2/NDF:47461689703.6/19

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

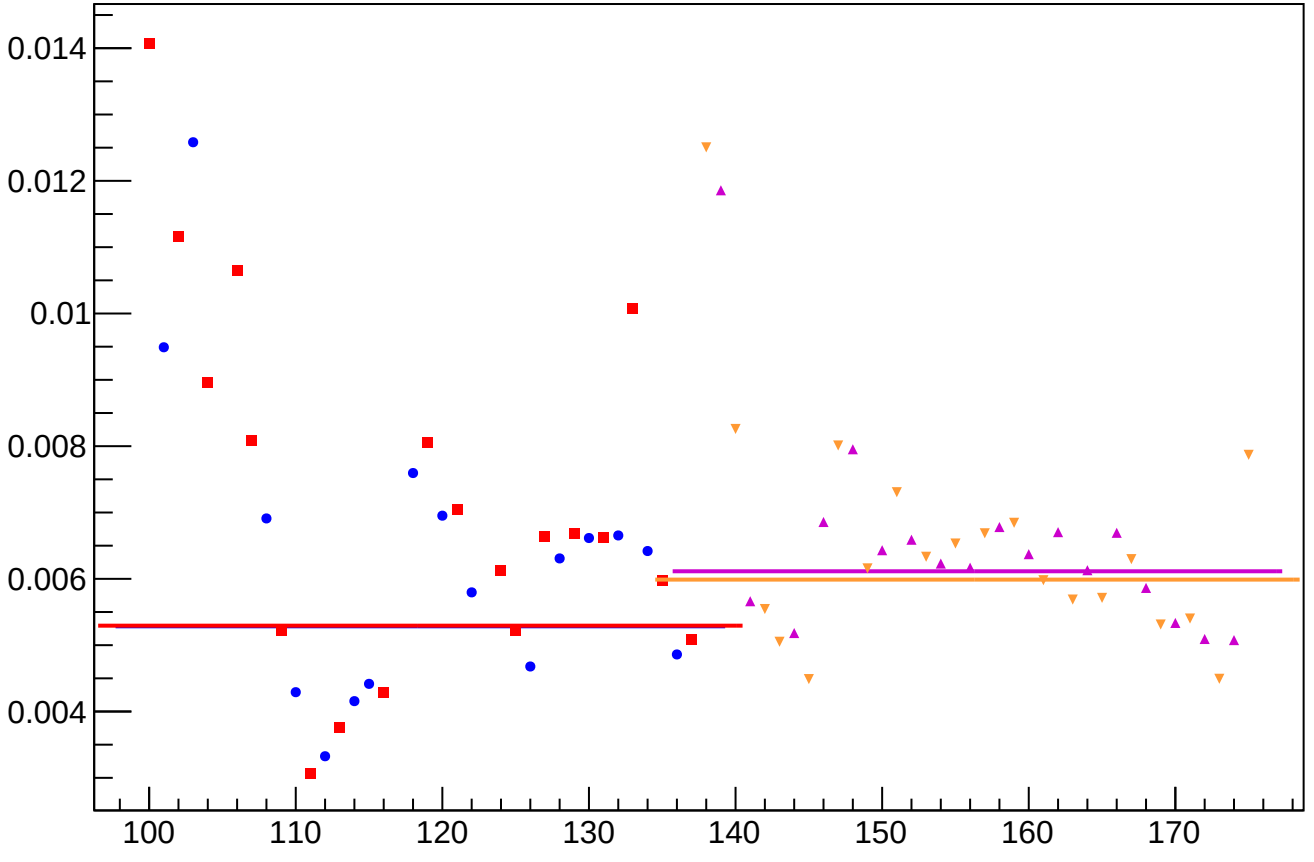
Left In: 9.024+/-0.000 χ^2/NDF:38580401128.0/17

+ sign 9.414+/-0.000 χ^2/NDF: 200232743931.8/35

All: 9.437+/-0.000 χ^2/NDF: 408359739092.7

- sign 9.461+/-0.000 χ^2/NDF: 207529651740.9/36

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:1112564.5/19

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

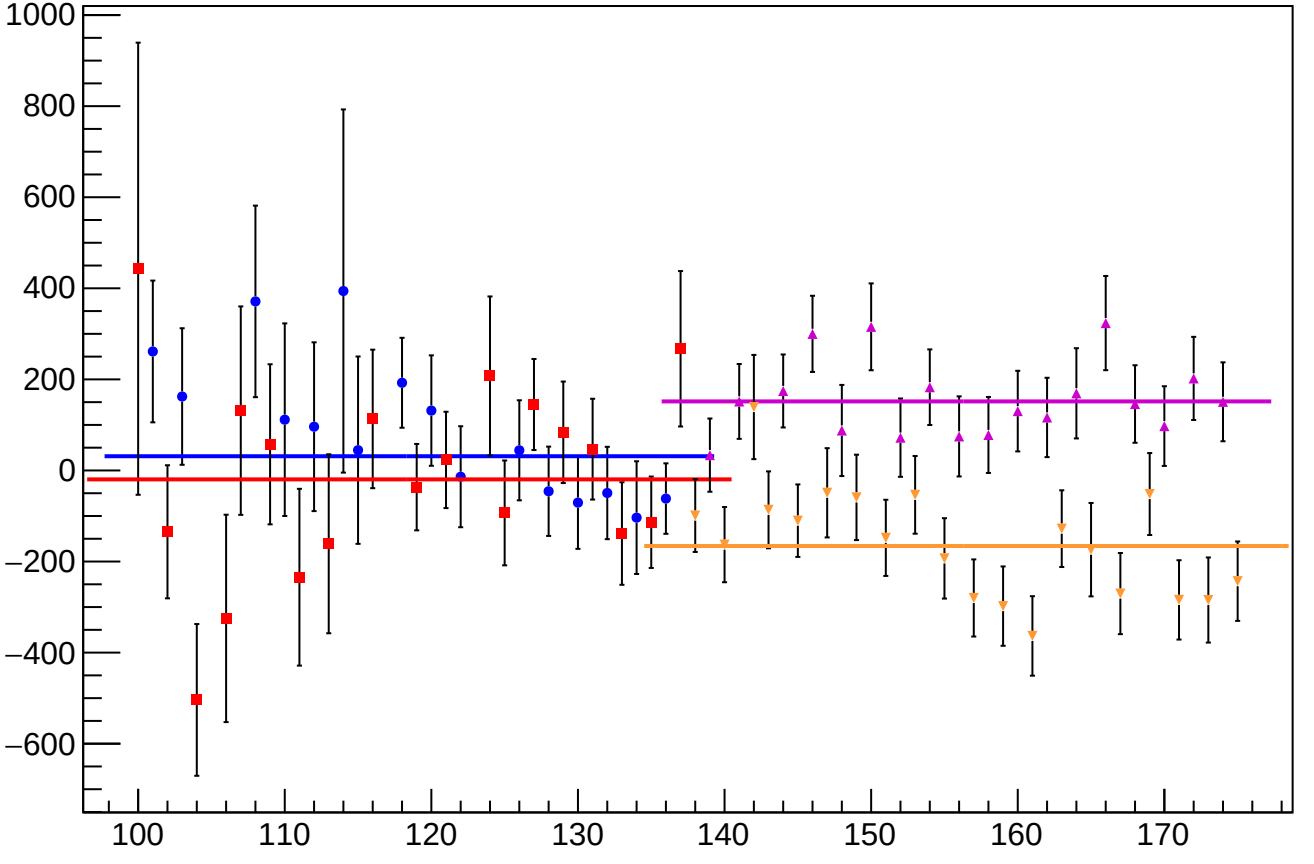
Left In: 0.006+/-0.000 χ^2/NDF:704711.6/17

+ sign 0.006+/-0.000 χ^2/NDF: 2510323.8/35

All: 0.006+/-0.000 χ^2/NDF: 5173117.5/72

- sign 0.006+/-0.000 χ^2/NDF: 2660709.2/36

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -165.928+/-19.724 χ^2/NDF:30.4/19

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

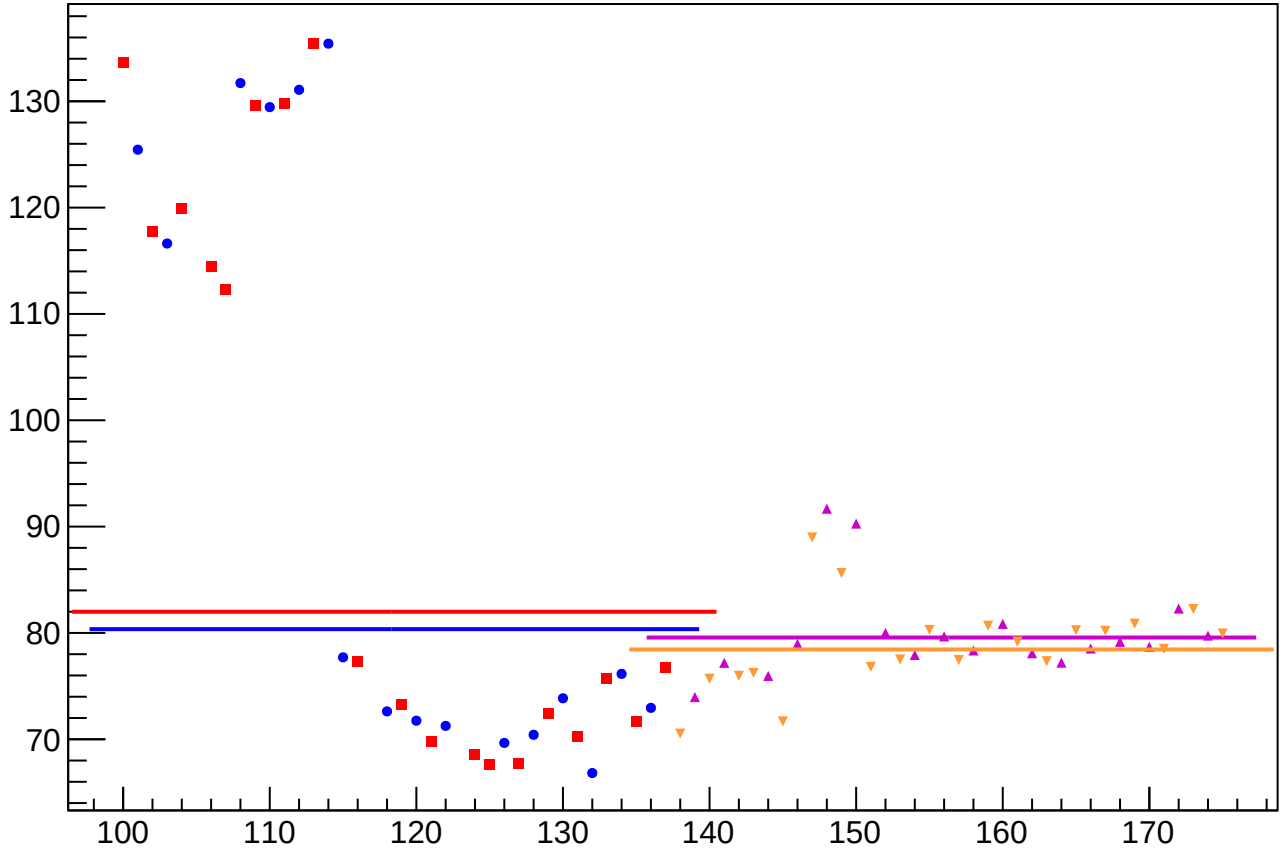
Left In: 151.632+/-20.667 χ^2/NDF:15.0/17

+ sign -108.545+/-16.608 χ^2/NDF: 74.6/35

All: -8.397+/-11.949 χ^2/NDF: 212.0/72

- sign 99.090+/-17.206 χ^2/NDF: 62.0/36

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 78.448+/-0.014 χ^2/NDF:84237.6/19

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

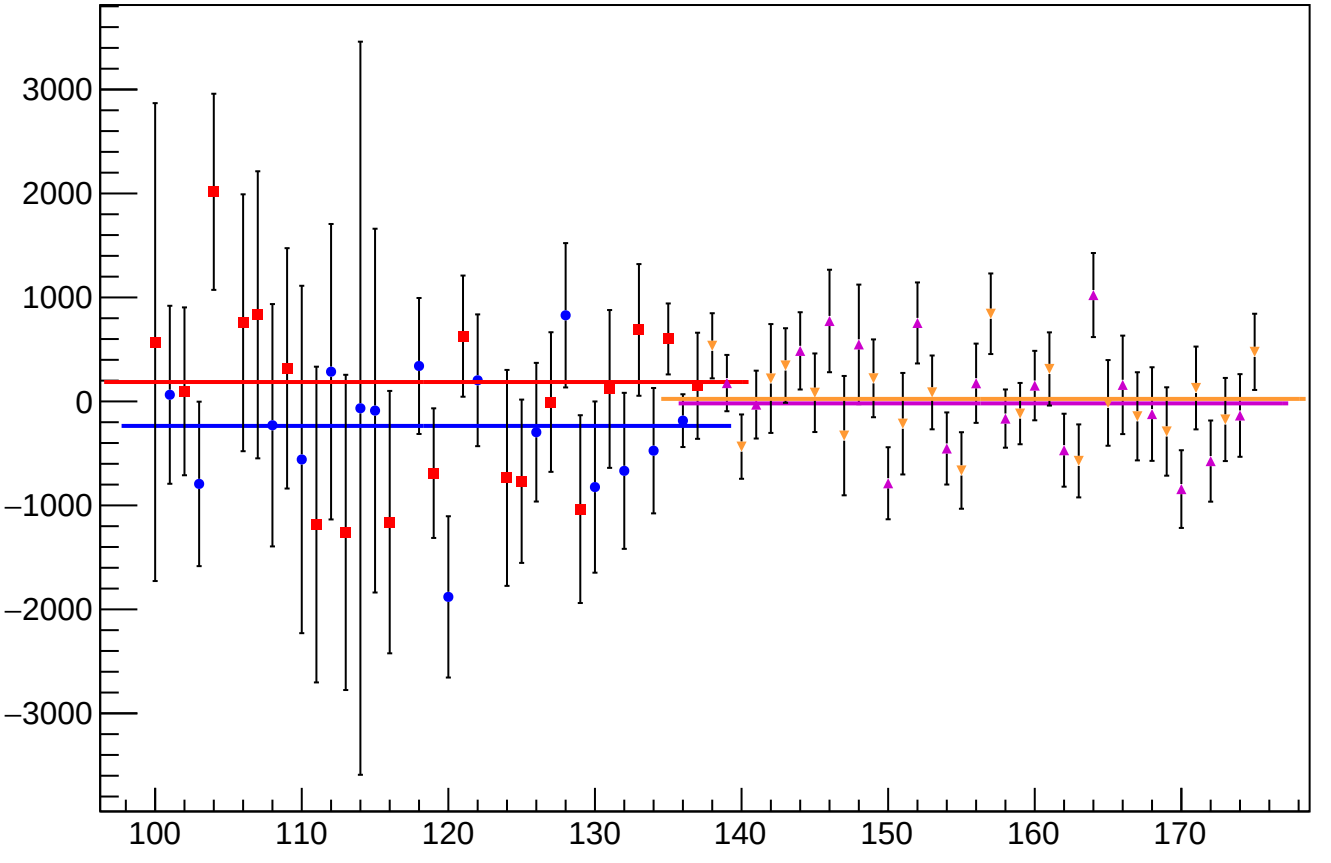
Left In: 79.567+/-0.015 χ^2/NDF:75725.8/17

+ sign 79.003+/-0.012 χ^2/NDF: 929712.4/35

All: 79.634+/-0.008 χ^2/NDF: 1952224.7/72

- sign 80.311+/-0.012 χ^2/NDF: 1016520.9/36

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 24.282+/-84.485 χ^2/NDF:21.1/19

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

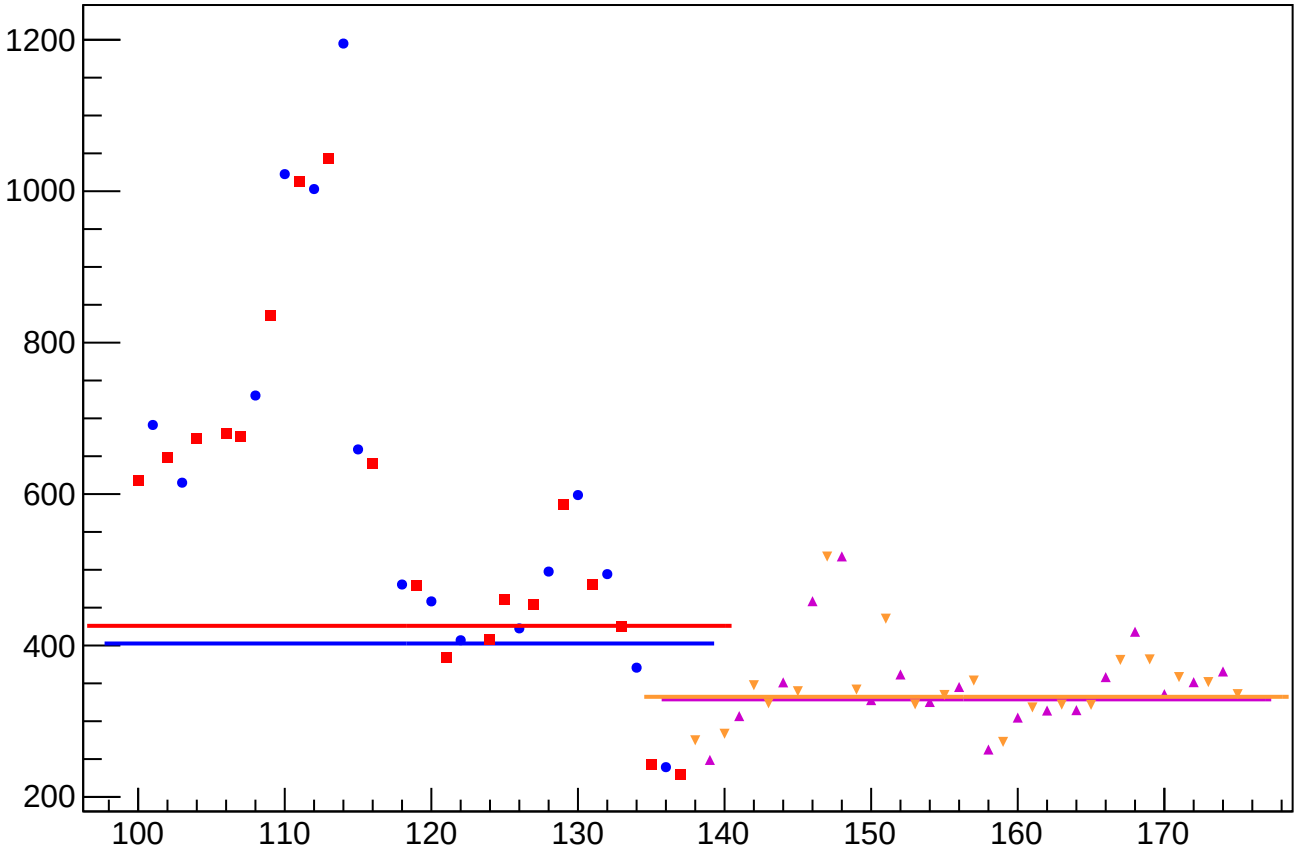
Left In: -18.800+/-86.731 χ^2/NDF:32.6/17

\+ sign -30.329+/-75.082 χ^2/NDF: 33.0/35

All: -4.211+/-53.856 χ^2/NDF: 82.9/72

\- sign 23.469+/-77.294 χ^2/NDF: 49.7/36

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 332.242+/-0.060 χ^2/NDF:582031.8/19

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

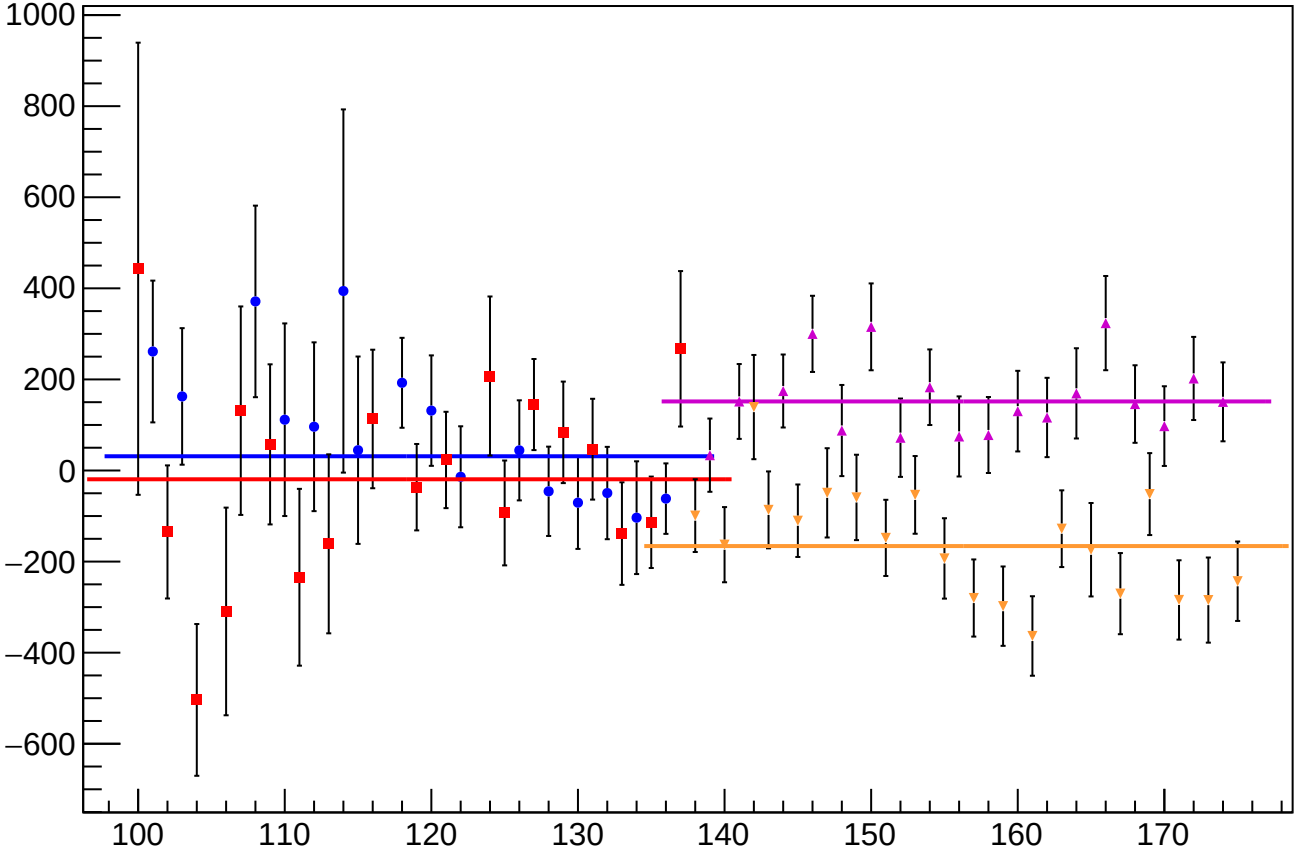
Left In: 328.867+/-0.061 χ^2/NDF:802745.8/17

+ sign 347.044+/-0.053 χ^2/NDF: 3234162.2/35

All: 347.921+/-0.038 χ^2/NDF: 6922223.6/72

- sign 348.850+/-0.055 χ^2/NDF: 3687499.3/36

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -165.926+/-19.724 χ^2/NDF:30.4/19

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

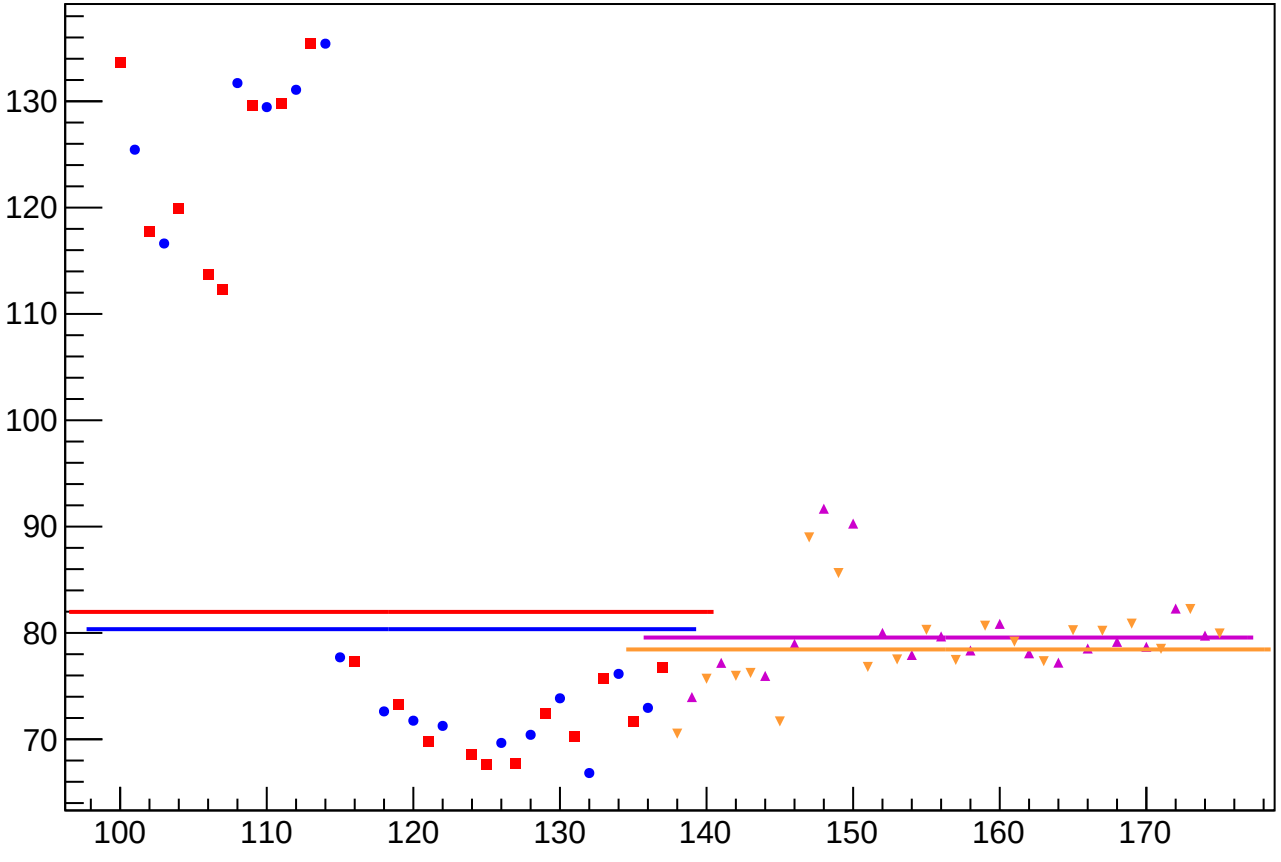
Left In: 151.636+/-20.667 χ^2/NDF:15.0/17

+ sign -108.540+/-16.608 χ^2/NDF: 74.6/35

All: -8.350+/-11.950 χ^2/NDF: 211.8/72

- sign 99.184+/-17.206 χ^2/NDF: 61.7/36

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.448+/-0.014 χ^2/NDF:84237.6/19

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

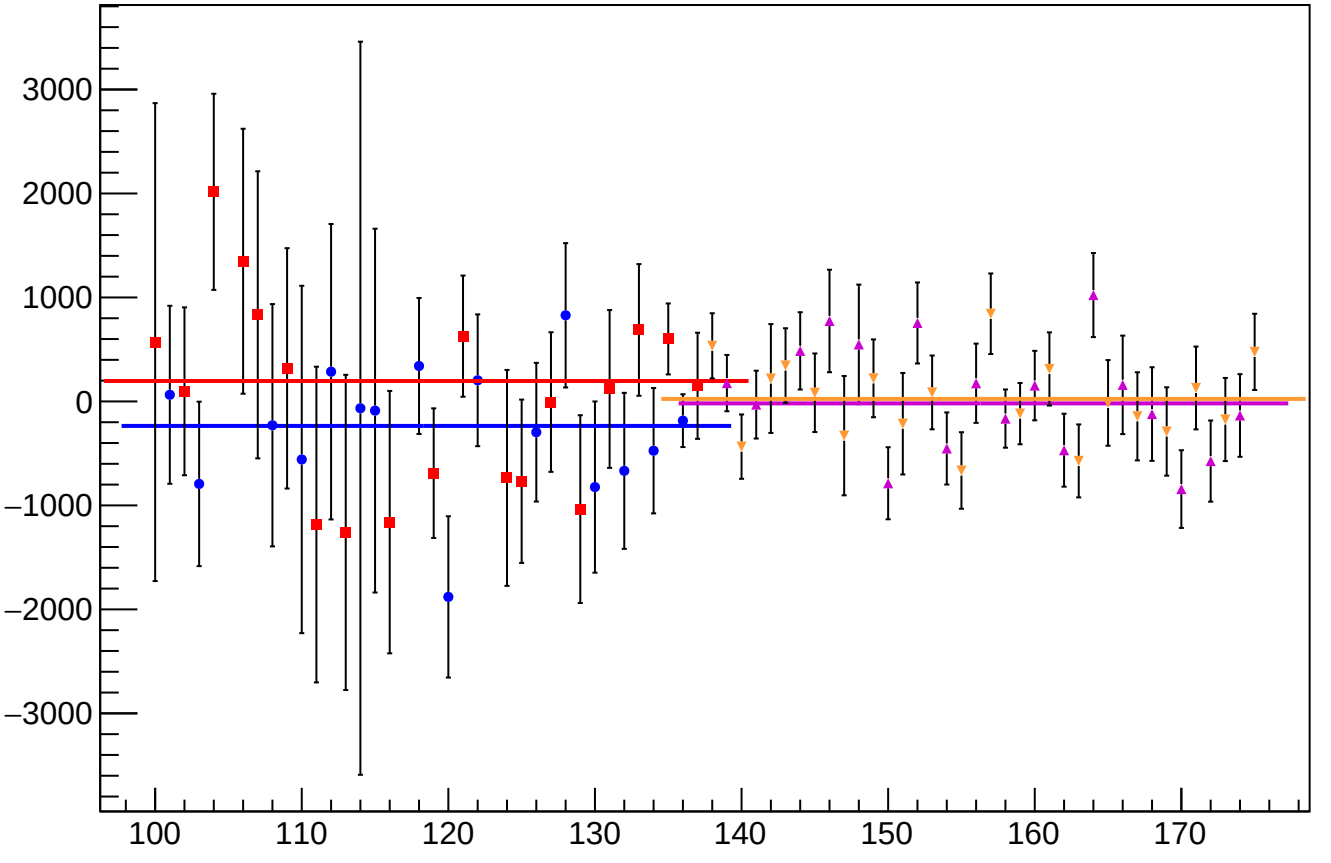
Left In: 79.567+/-0.015 χ^2/NDF:75725.8/17

+ sign 79.003+/-0.012 χ^2/NDF: 929712.6/35

All: 79.632+/-0.008 χ^2/NDF: 1950206.3/72

- sign 80.307+/-0.012 χ^2/NDF: 1014544.8/36

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 24.281+/-84.485 χ^2/NDF:21.1/19

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

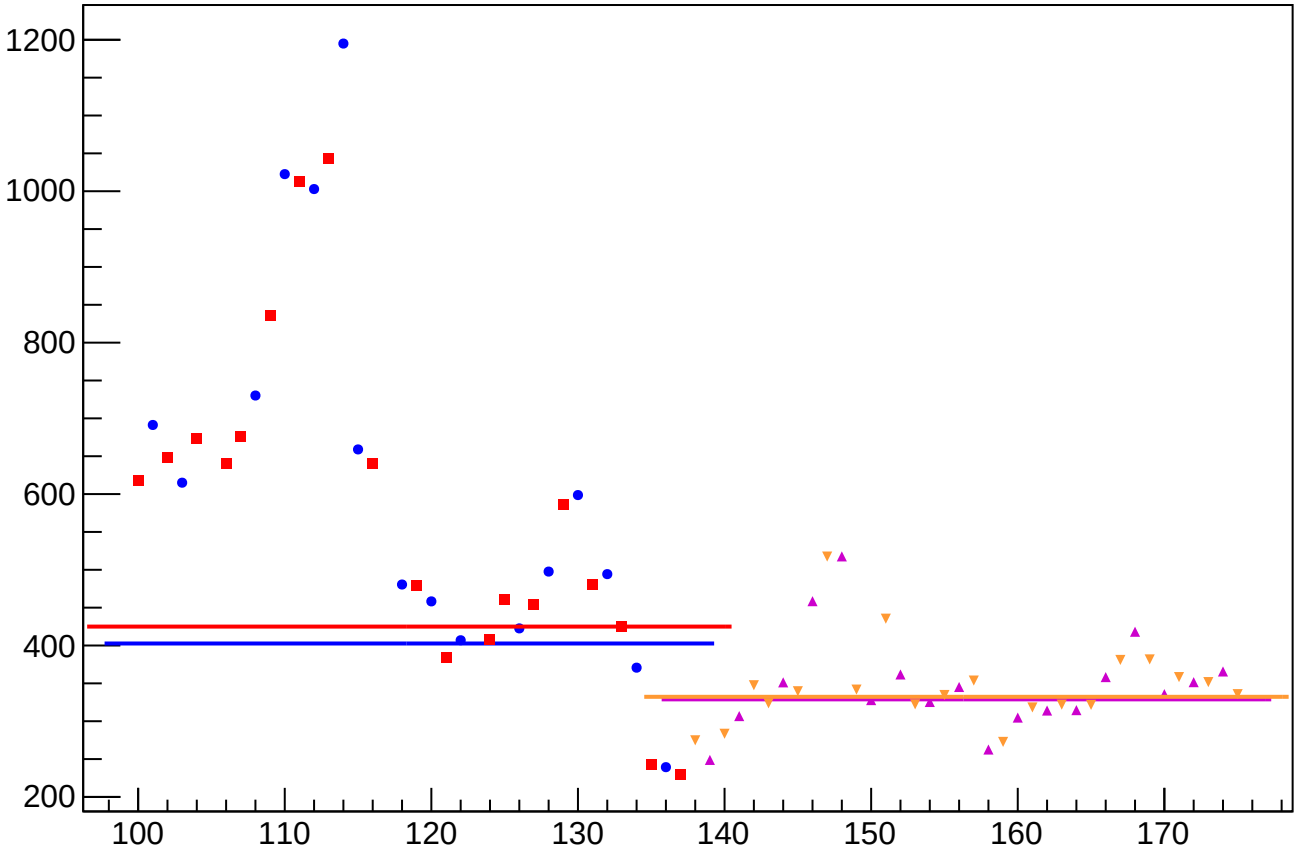
Left In: -18.795+/-86.731 χ^2/NDF:32.6/17

+ sign -30.329+/-75.082 χ^2/NDF: 33.0/35

All: -3.237+/-53.859 χ^2/NDF: 83.7/72

- sign 25.482+/-77.304 χ^2/NDF: 50.4/36

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.242+/-0.060 χ^2/NDF:582039.4/19

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

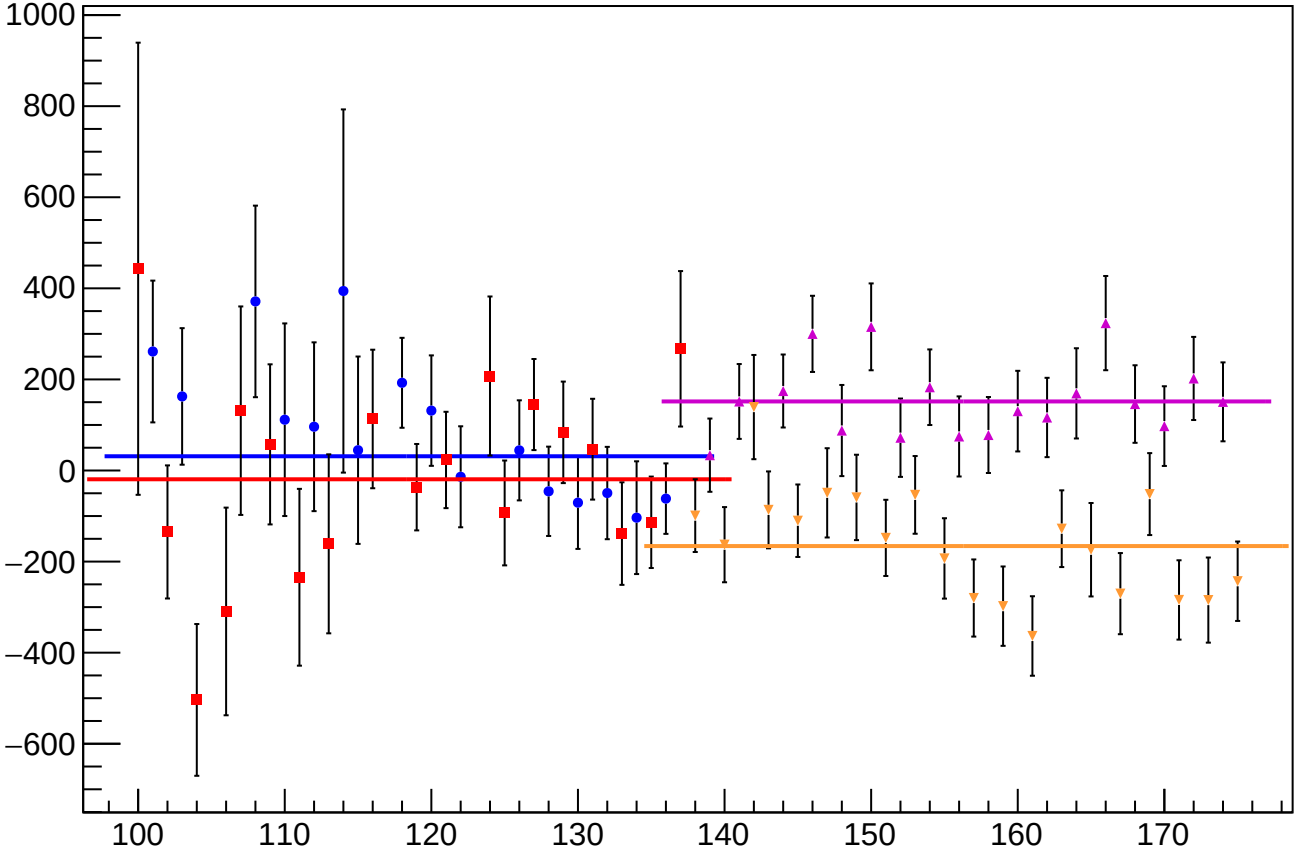
Left In: 328.867+/-0.061 χ^2/NDF:802745.6/17

\+ sign 347.044+/-0.053 χ^2/NDF: 3234167.9/35

All: 347.813+/-0.038 χ^2/NDF: 6883385.0/72

\- sign 348.628+/-0.055 χ^2/NDF: 3648784.7/36

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -165.926+/-19.724 χ^2/NDF:30.4/19

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

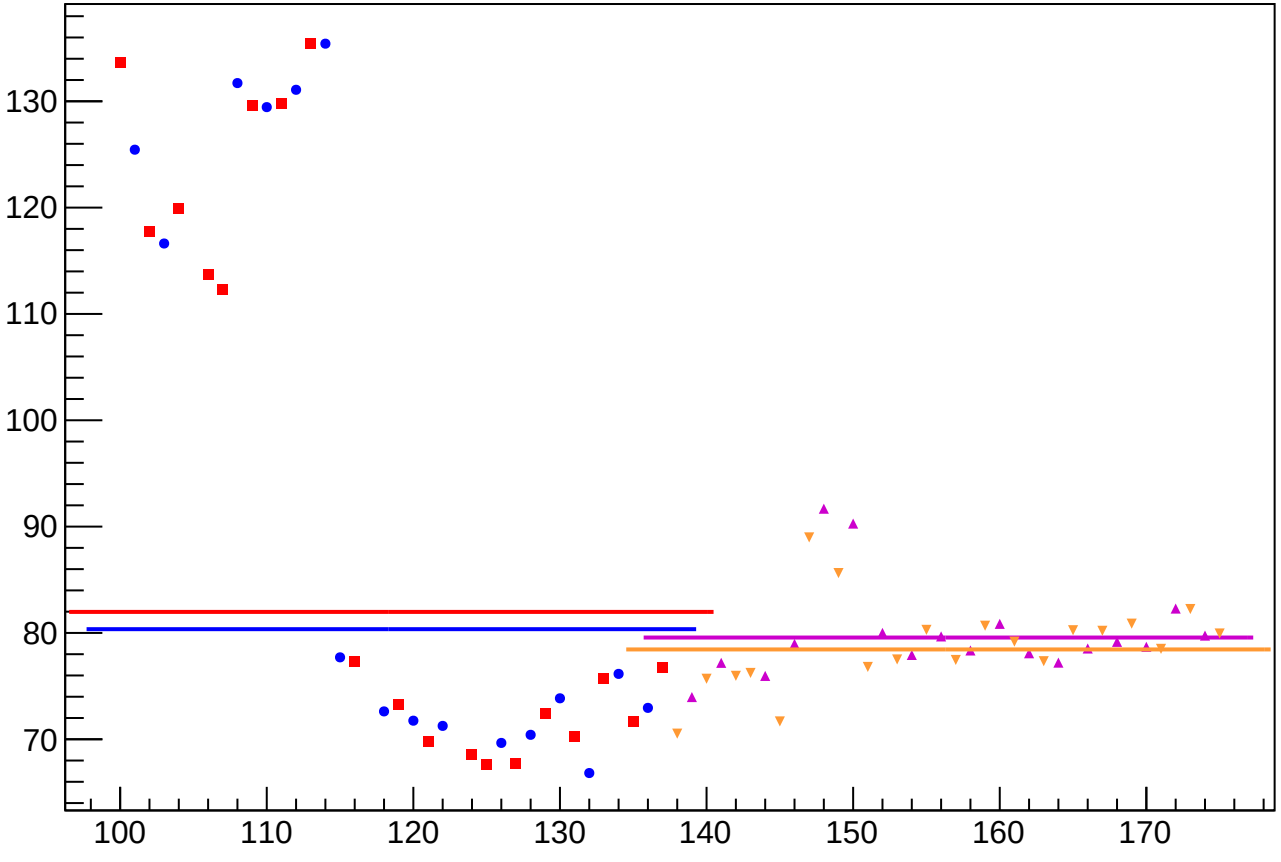
Left In: 151.636+/-20.667 χ^2/NDF:15.0/17

+ sign -108.540+/-16.608 χ^2/NDF: 74.6/35

All: -8.350+/-11.950 χ^2/NDF: 211.8/72

- sign 99.184+/-17.206 χ^2/NDF: 61.7/36

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.448+/-0.014 χ^2/NDF:84237.6/19

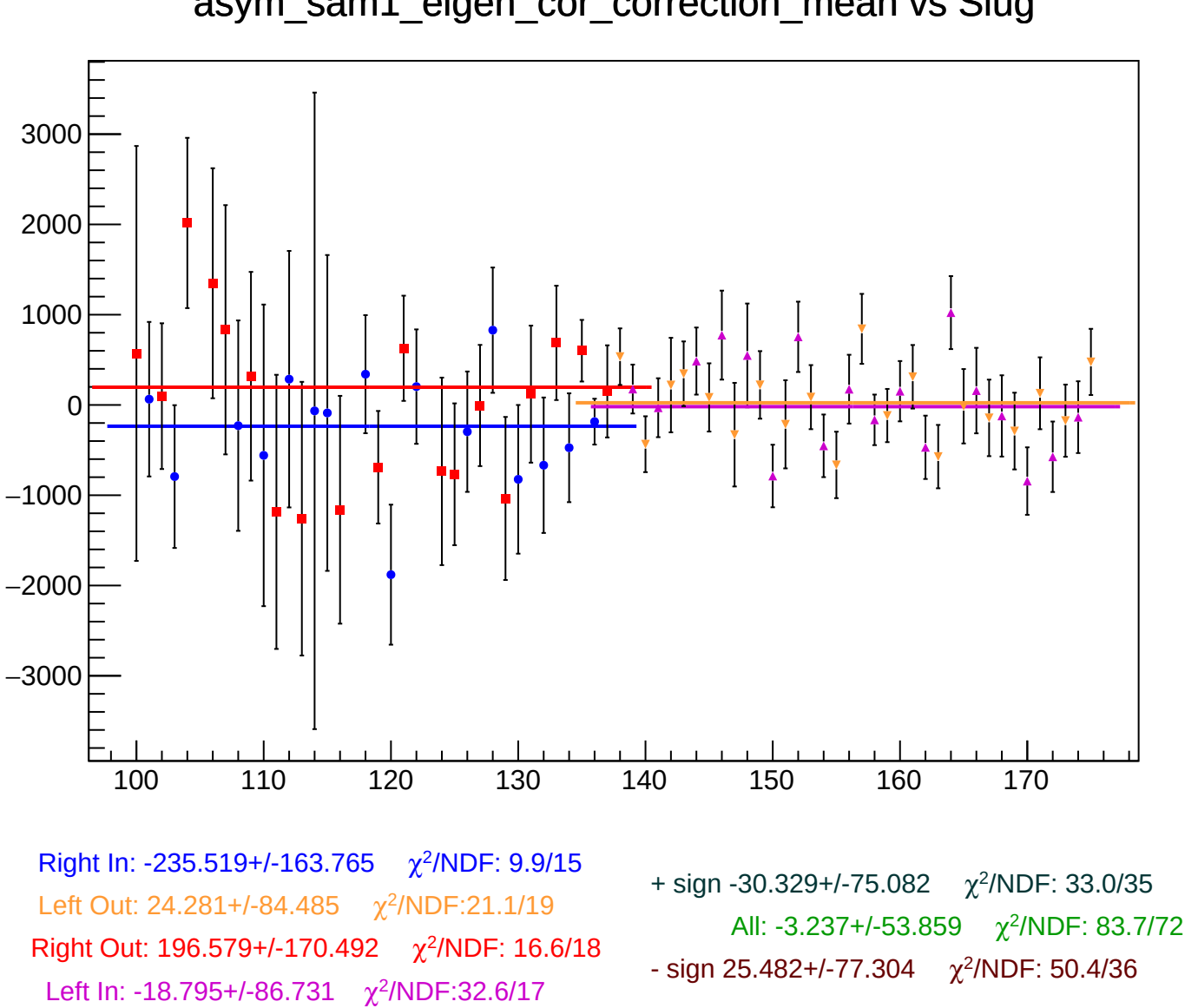
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.567+/-0.015 χ^2/NDF:75725.8/17

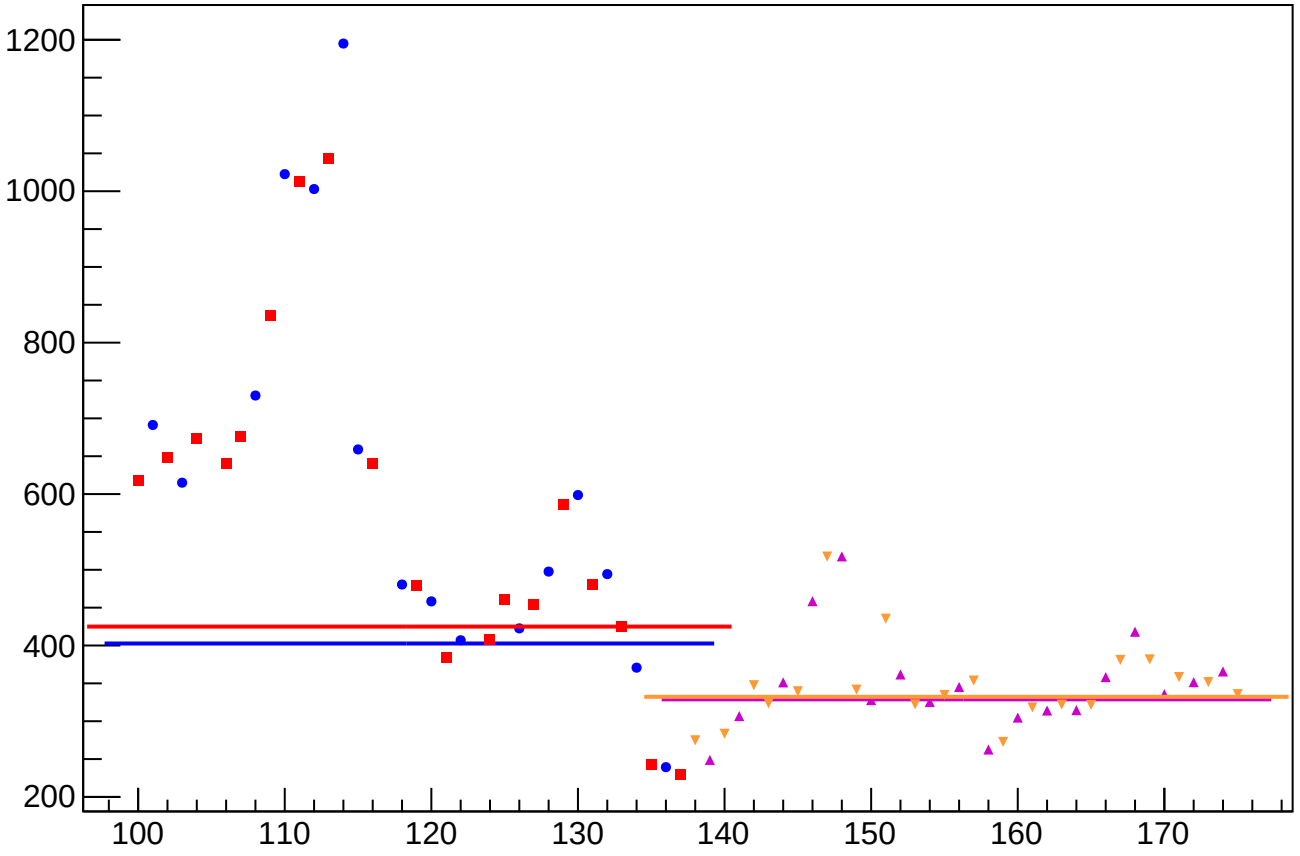
+ sign 79.003+/-0.012 χ^2/NDF: 929712.6/35

All: 79.632+/-0.008 χ^2/NDF: 1950206.3/72

- sign 80.307+/-0.012 χ^2/NDF: 1014544.8/36


asym_sam1_eigen_cor_correction_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: -235.519+/-163.765 χ²/NDF: 9.9/15
Left Out: 24.281+/-84.485 χ²/NDF:21.1/19
Right Out: 196.579+/-170.492 χ²/NDF: 16.6/18
Left In: -18.795+/-86.731 χ²/NDF:32.6/17
+ sign -30.329+/-75.082 χ²/NDF: 33.0/35
All: -3.237+/-53.859 χ²/NDF: 83.7/72
- sign 25.482+/-77.304 χ²/NDF: 50.4/36

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.242+/-0.060 χ^2/NDF:582039.4/19

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

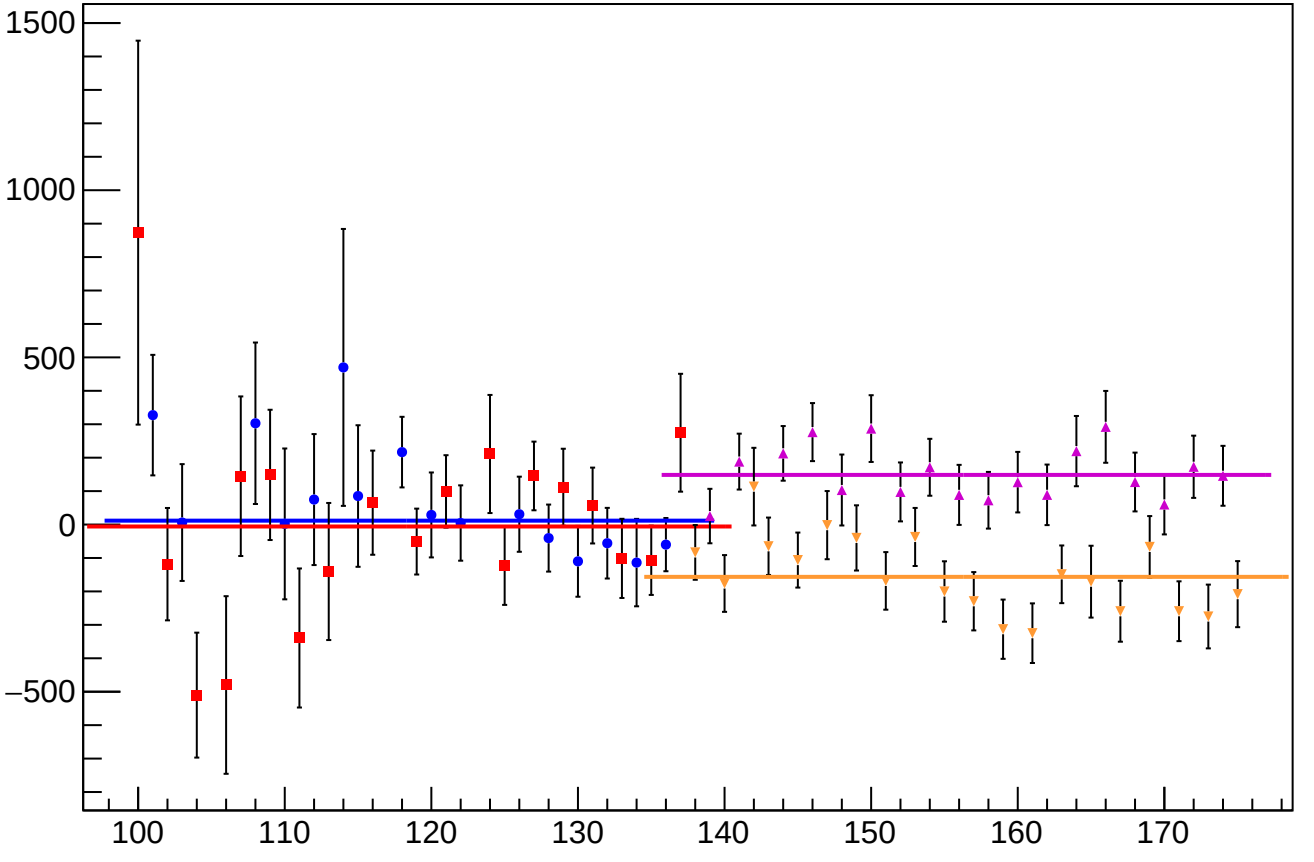
Left In: 328.867+/-0.061 χ^2/NDF:802745.6/17

\+ sign 347.044+/-0.053 χ^2/NDF: 3234167.9/35

All: 347.813+/-0.038 χ^2/NDF: 6883385.0/72

\- sign 348.628+/-0.055 χ^2/NDF: 3648784.7/36

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -156.456+/-20.336 χ^2/NDF:26.4/19

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

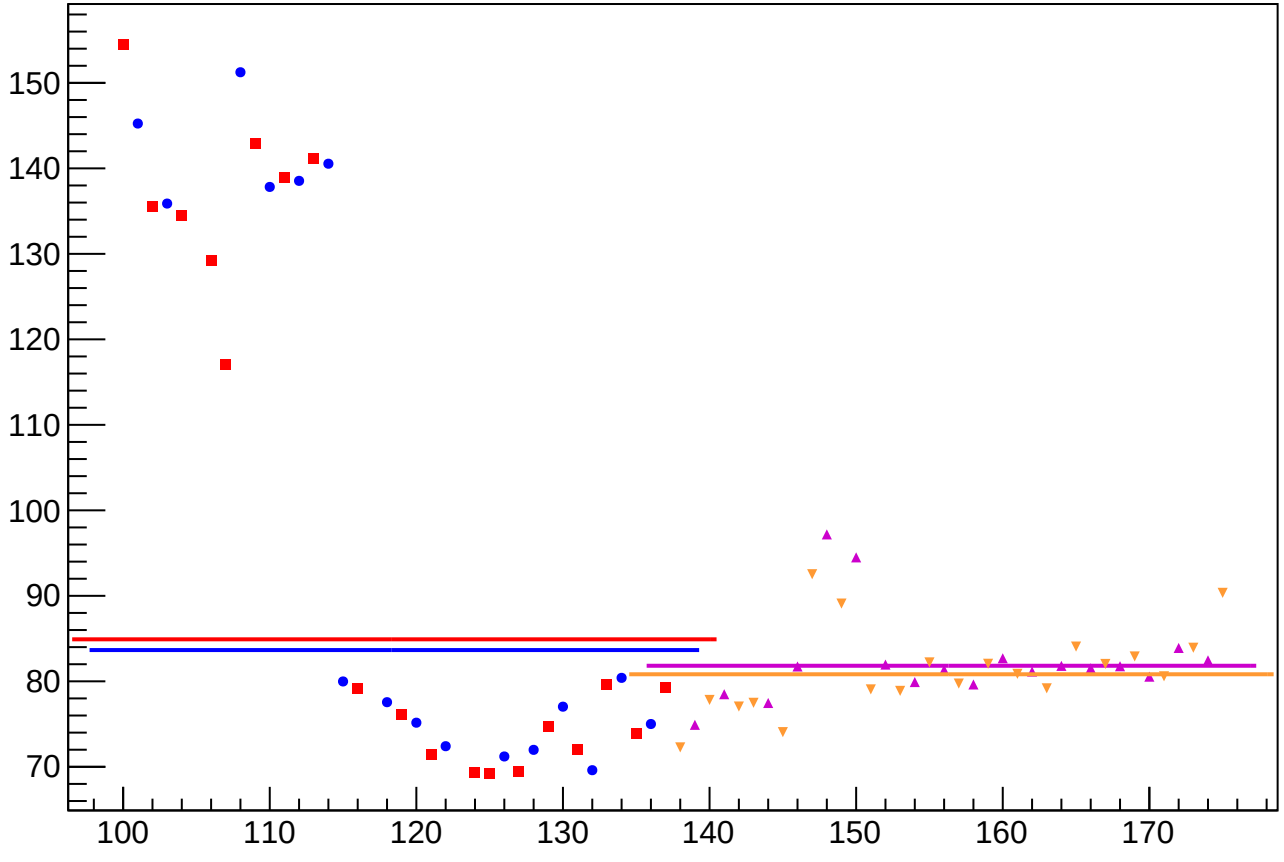
Left In: 148.475+/-21.268 χ^2/NDF:12.9/17

+ sign -108.729+/-17.209 χ^2/NDF: 59.3/35

All: -6.797+/-12.368 χ^2/NDF: 189.4/72

- sign 102.099+/-17.787 χ^2/NDF: 57.5/36

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 80.825+/-0.014 χ^2/NDF:111392.5/19

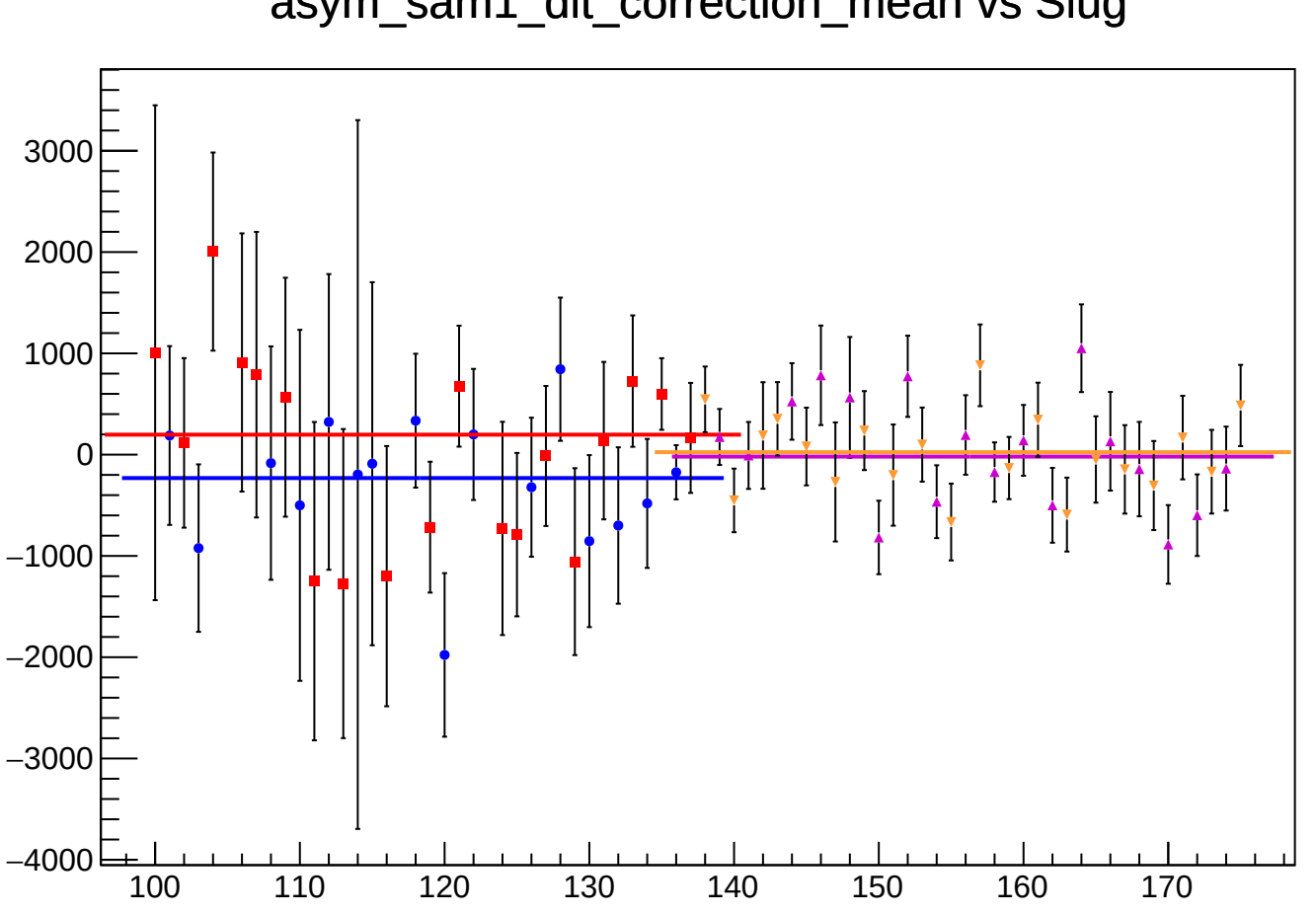
Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.821+/-0.015 χ^2/NDF:101671.9/17

+ sign 81.629+/-0.012 χ^2/NDF: 1157200.8/35

All: 82.171+/-0.009 χ^2/NDF: 2397354.6/72

- sign 82.750+/-0.013 χ^2/NDF: 1236047.9/36



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 24.392+/-87.295 χ^2/NDF:20.7/19

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

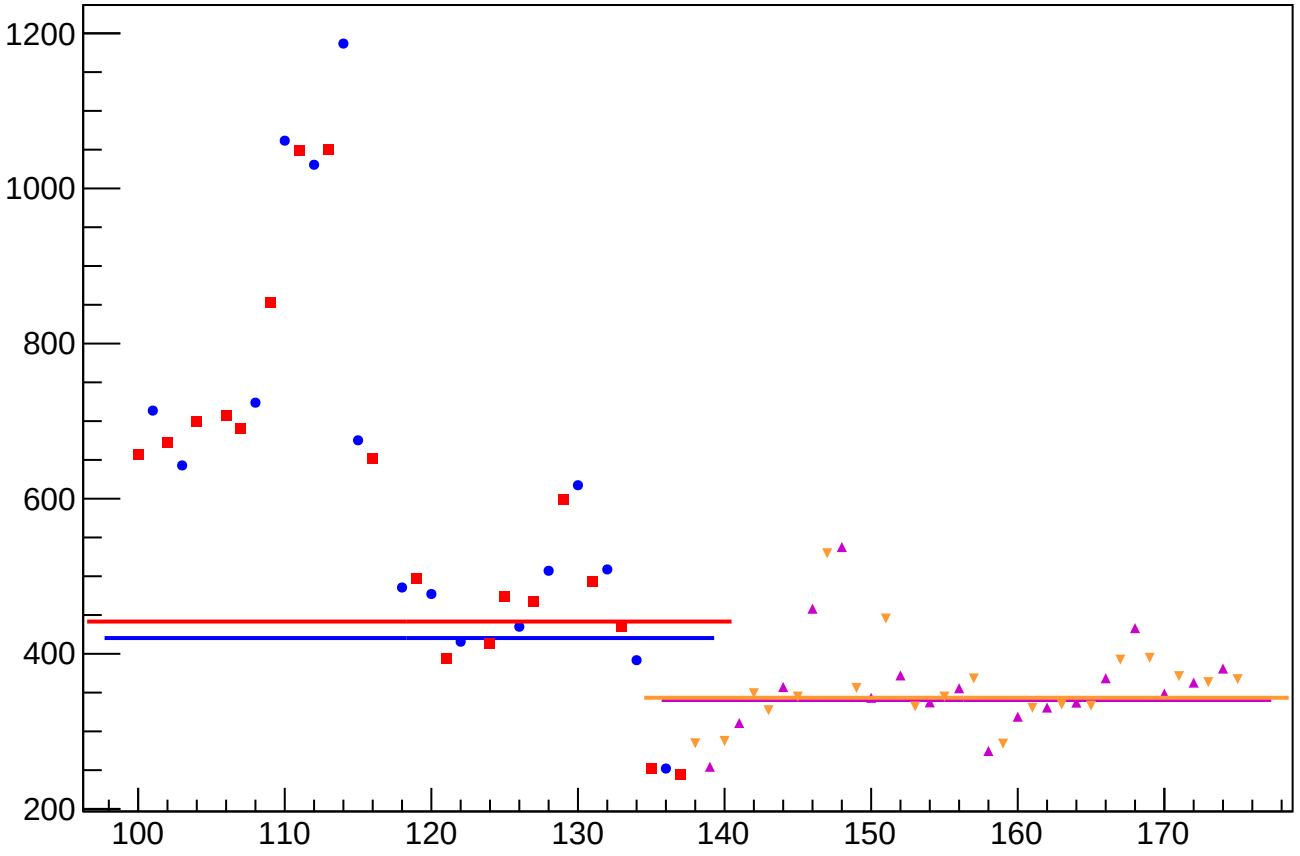
Left In: -19.322+/-89.736 χ^2/NDF:32.4/17

+ sign -28.917+/-77.668 χ^2/NDF: 32.9/35

All: -2.587+/-55.710 χ^2/NDF: 82.6/72

- sign 25.316+/-79.953 χ^2/NDF: 49.5/36

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 343.350+/-0.062 χ^2/NDF:581668.0/19

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

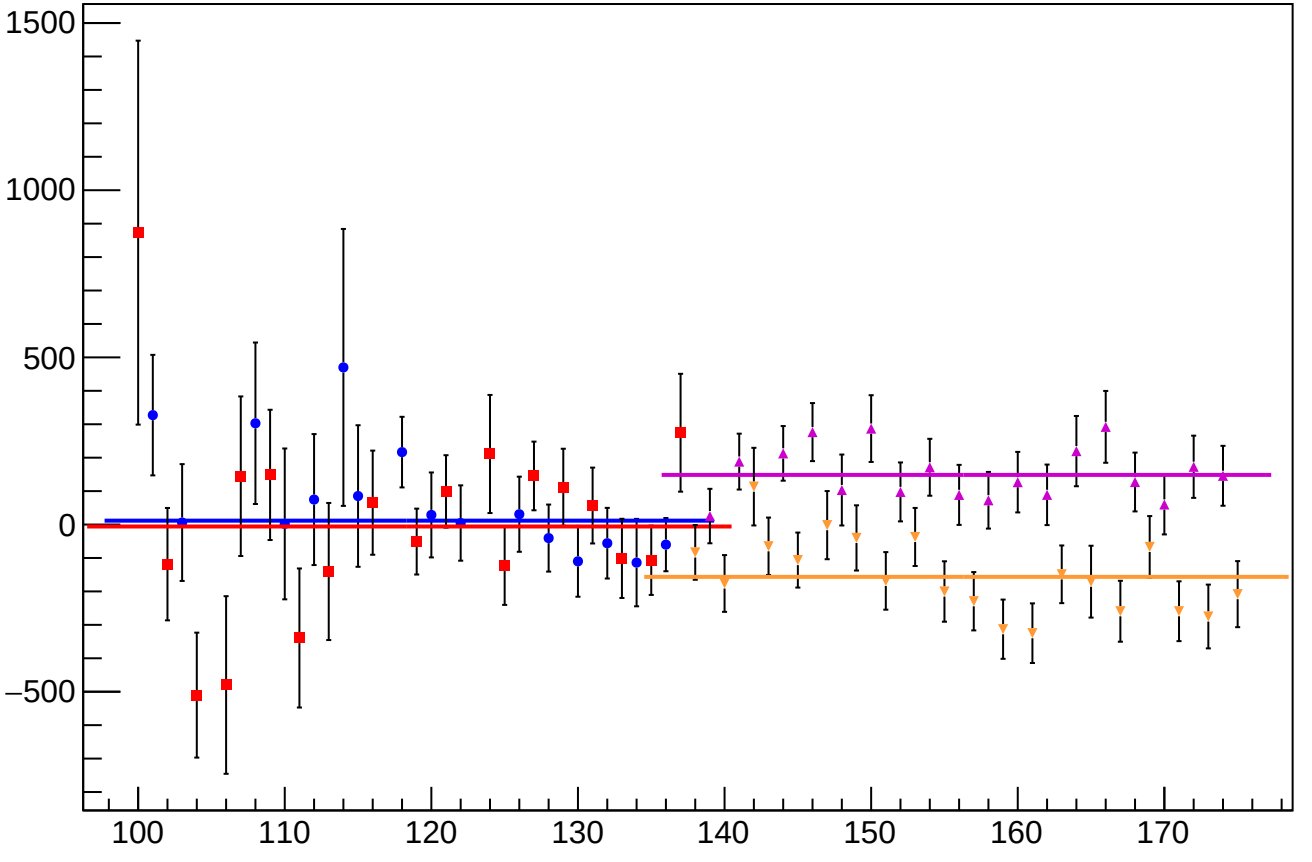
Left In: 340.460+/-0.063 χ^2/NDF:784444.2/17

+ sign 359.393+/-0.055 χ^2/NDF: 3160397.9/35

All: 360.324+/-0.039 χ^2/NDF: 6776762.8/72

- sign 361.310+/-0.057 χ^2/NDF: 3615773.2/36

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -156.456+/-20.336 χ^2/NDF:26.4/19

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

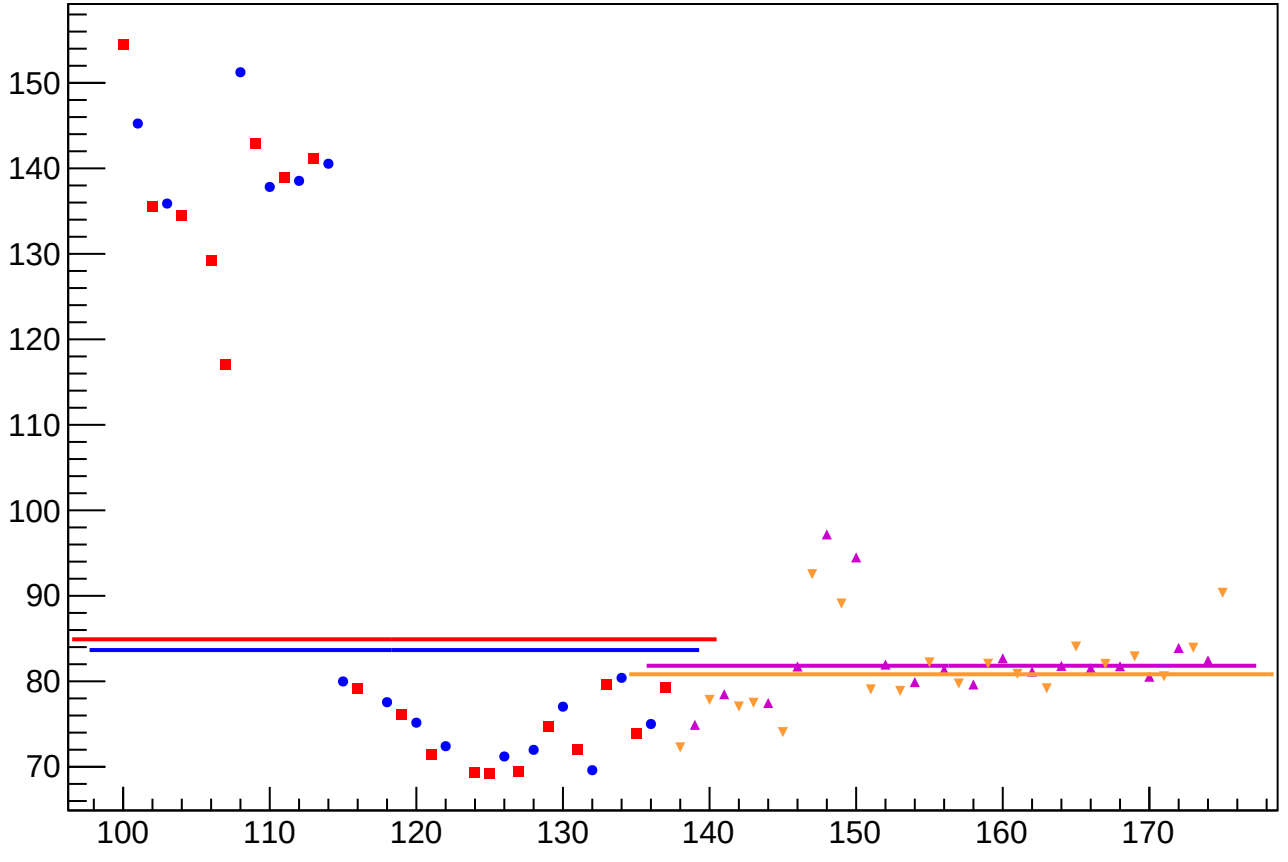
Left In: 148.475+/-21.268 χ^2/NDF:12.9/17

+ sign -108.729+/-17.209 χ^2/NDF: 59.3/35

All: -6.796+/-12.368 χ^2/NDF: 189.4/72

- sign 102.100+/-17.787 χ^2/NDF: 57.5/36

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 80.825+/-0.014 χ^2/NDF:111391.9/19

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

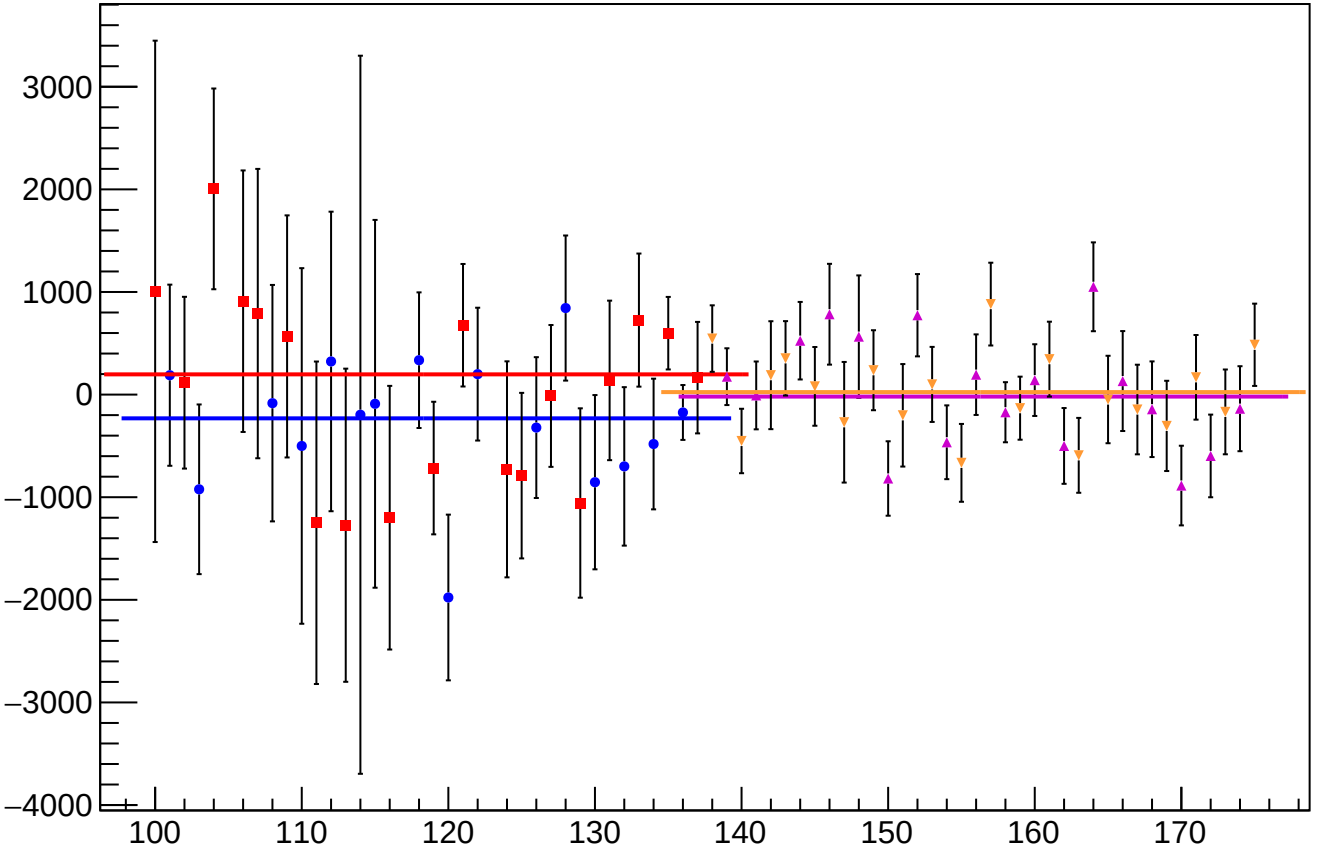
Left In: 81.821+/-0.015 χ^2/NDF:101671.1/17

+ sign 81.629+/-0.012 χ^2/NDF: 1157199.3/35

All: 82.171+/-0.009 χ^2/NDF: 2397350.7/72

- sign 82.750+/-0.013 χ^2/NDF: 1236045.6/36

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 24.392+/-87.295 χ^2/NDF:20.7/19

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

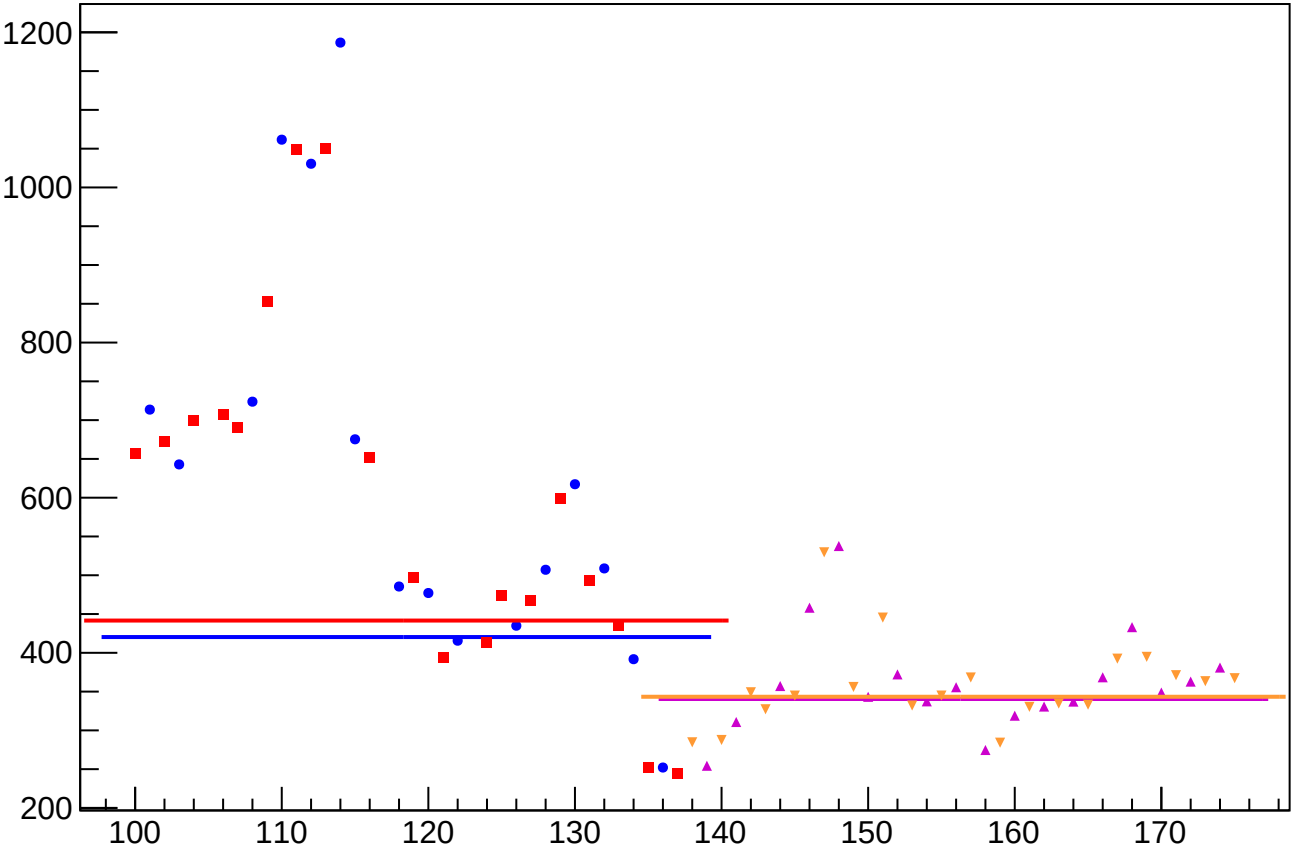
Left In: -19.322+/-89.736 χ^2/NDF:32.4/17

+ sign -28.916+/-77.667 χ^2/NDF: 32.9/35

All: -2.586+/-55.710 χ^2/NDF: 82.6/72

- sign 25.316+/-79.953 χ^2/NDF: 49.5/36

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 343.350+/-0.062 χ^2/NDF:581668.5/19

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

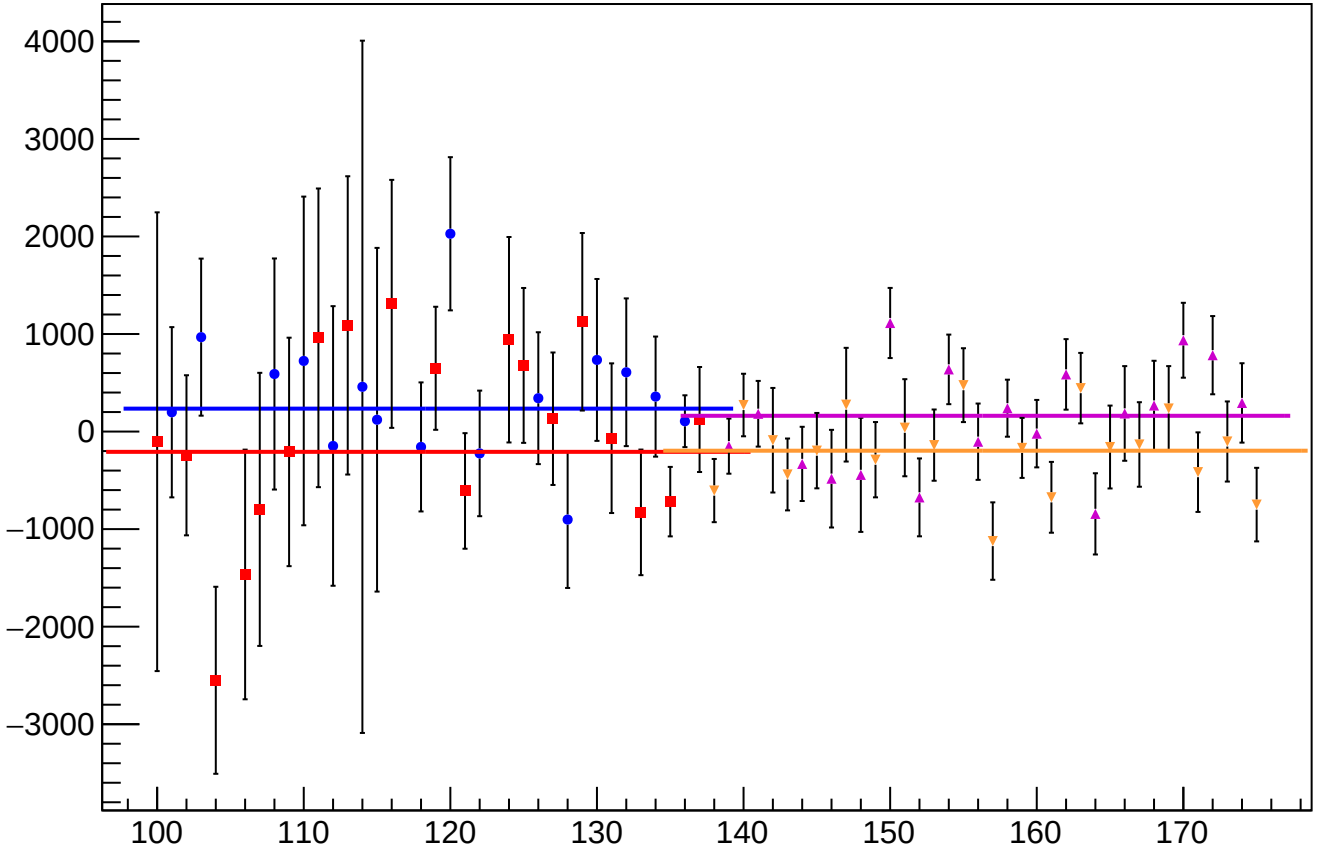
Left In: 340.460+/-0.063 χ^2/NDF:784446.7/17

+ sign 359.392+/-0.055 χ^2/NDF: 3160399.3/35

All: 360.323+/-0.039 χ^2/NDF: 6776767.5/72

- sign 361.310+/-0.057 χ^2/NDF: 3615776.5/36

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -196.264+/-86.939 χ^2/NDF:22.2/19

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

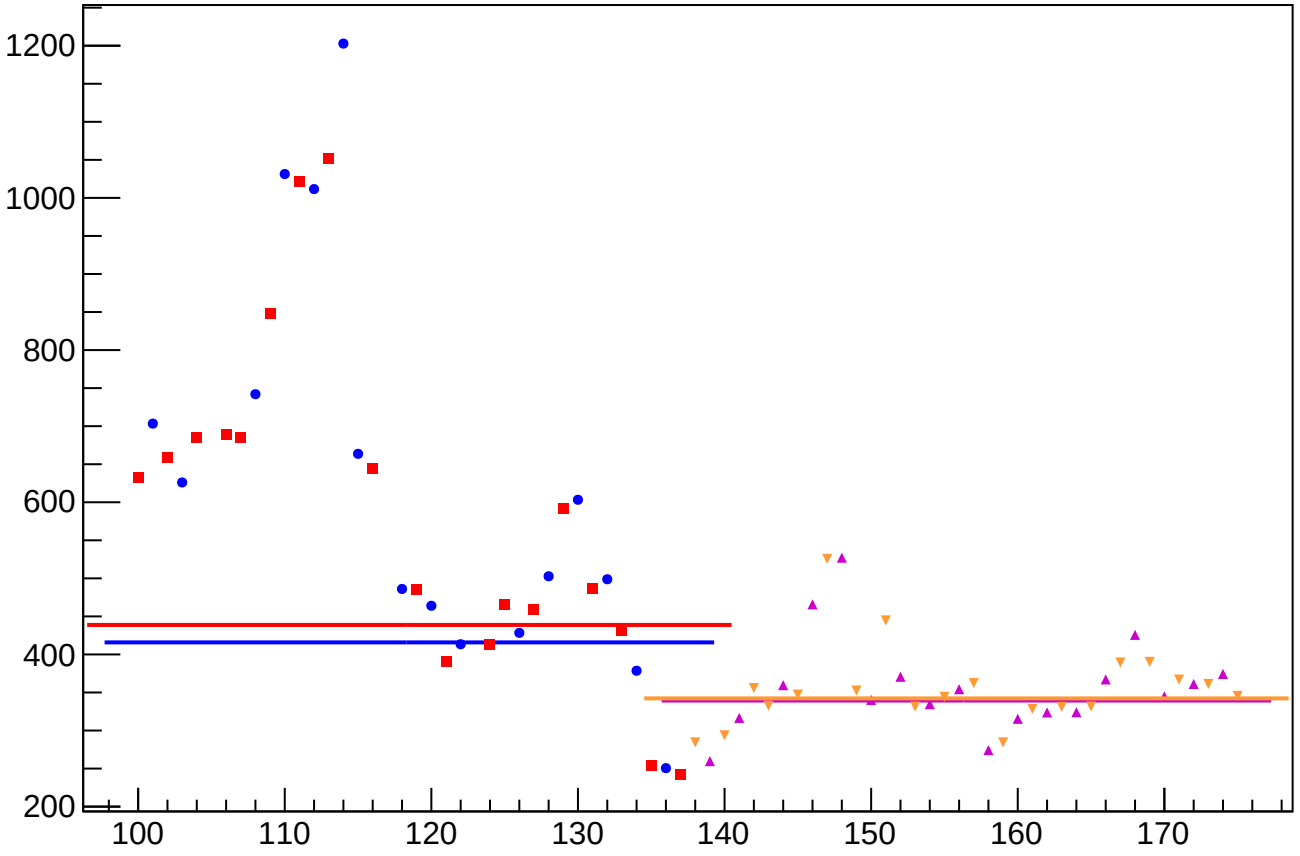
Left In: 161.685+/-89.395 χ^2/NDF:33.5/17

+ sign -105.325+/-77.232 χ^2/NDF: 38.1/35

All: -13.017+/-55.424 χ^2/NDF: 98.4/72

- sign 84.996+/-79.583 χ^2/NDF: 57.4/36

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 342.238+/-0.061 χ^2/NDF:539984.8/19

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

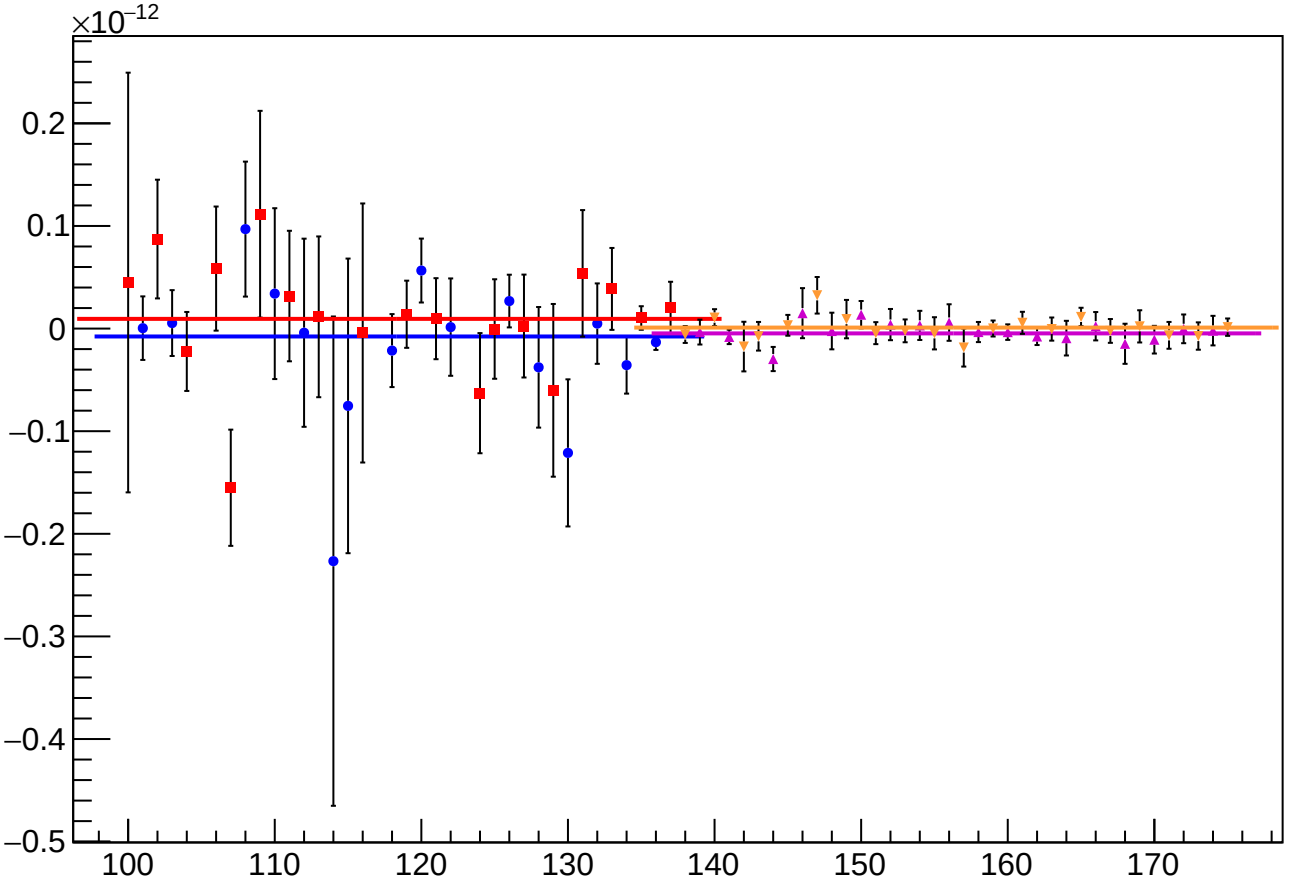
Left In: 339.429+/-0.063 χ^2/NDF:737148.1/17

+ sign 357.756+/-0.055 χ^2/NDF: 3066152.7/35

All: 358.864+/-0.039 χ^2/NDF: 6551385.6/72

- sign 360.041+/-0.056 χ^2/NDF: 3484384.1/36

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

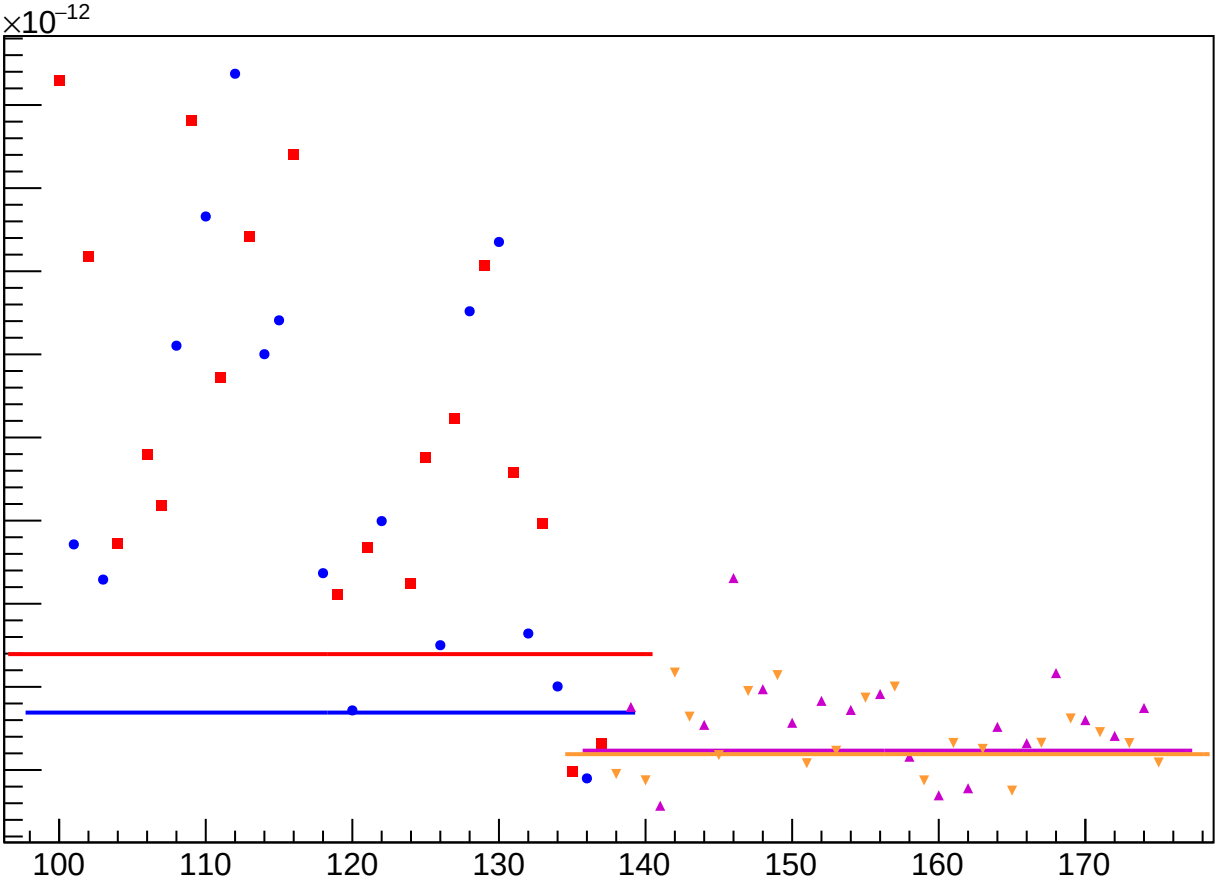
Left In: -0.000+/-0.000 χ^2/NDF:9.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 26.7/35

All: -0.000+/-0.000 χ^2/NDF: 55.8/72

- sign -0.000+/-0.000 χ^2/NDF: 28.4/36

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:954734.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

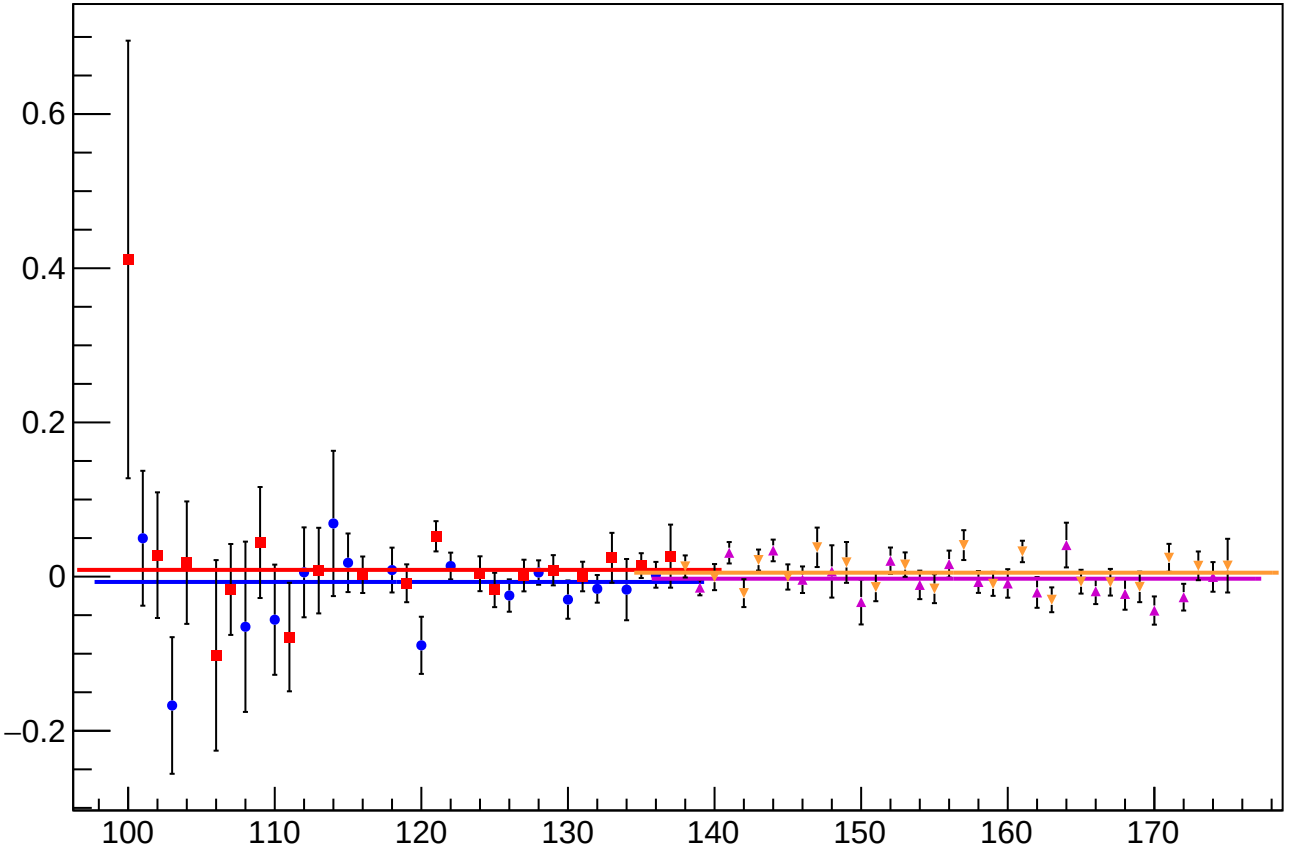
Left In: 0.000+/-0.000 χ^2/NDF:1904266.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 3993627.3/35

All: 0.000+/-0.000 χ^2/NDF: 9600545.3/72

- sign 0.000+/-0.000 χ^2/NDF: 5571071.4/36

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.1/19

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

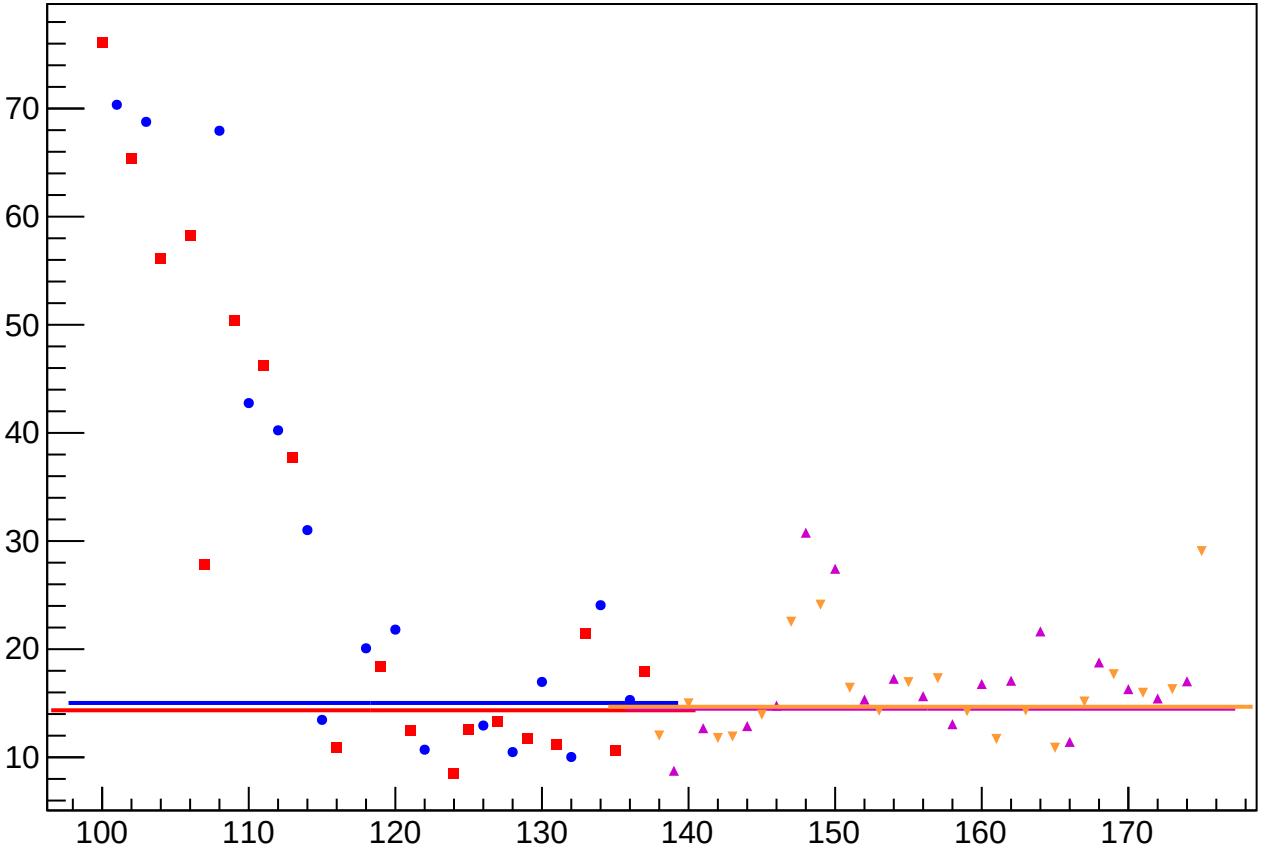
Left In: -0.003+/-0.004 χ^2/NDF:30.5/17

\+ sign 0.002+/-0.003 χ^2/NDF: 42.4/35

All: 0.001+/-0.002 χ^2/NDF: 88.0/72

\- sign 0.001+/-0.003 χ^2/NDF: 45.4/36

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.674+/-0.003 χ^2/NDF:1364475.7/19

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

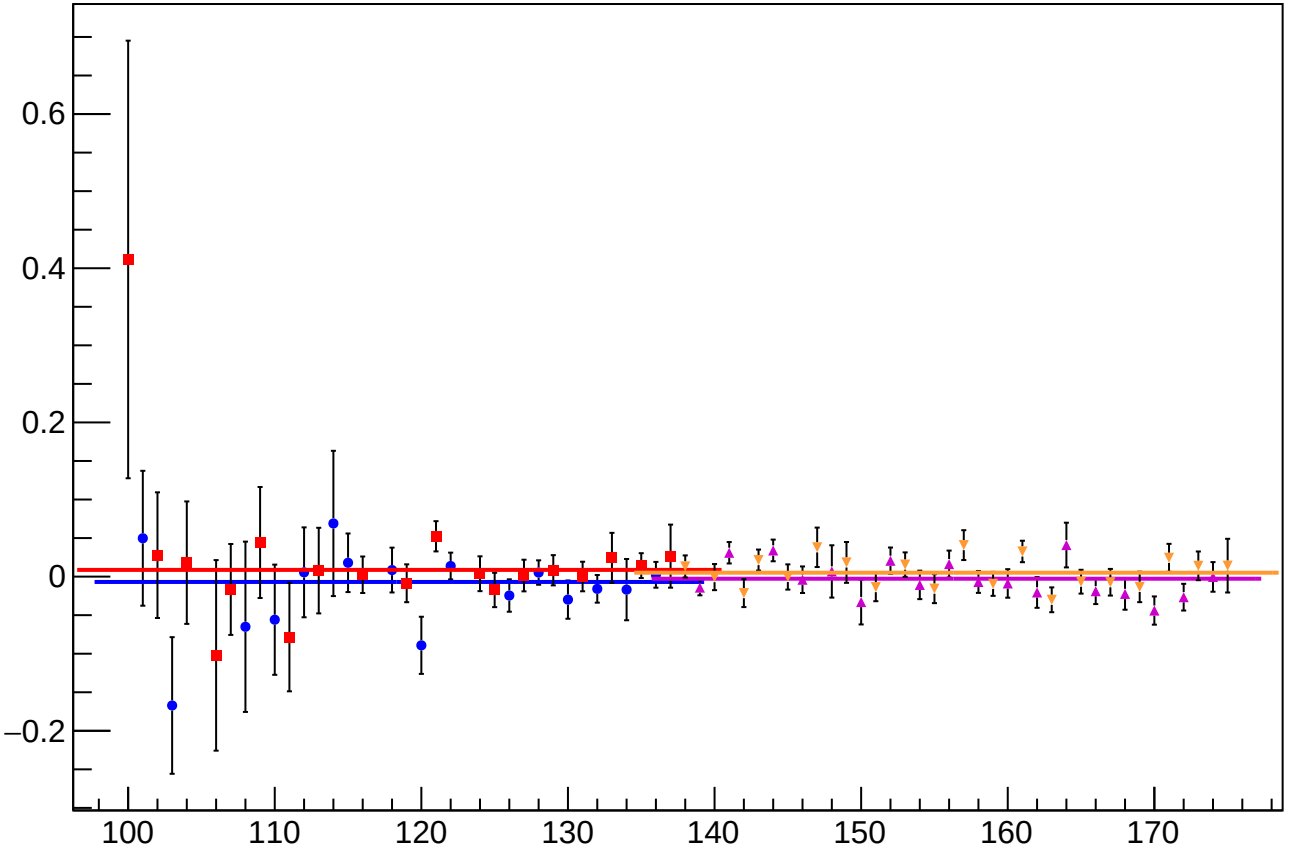
Left In: 14.494+/-0.003 χ^2/NDF:2047599.9/17

\+ sign 14.762+/-0.002 χ^2/NDF: 4806826.2/35

All: 14.609+/-0.002 χ^2/NDF: 10492543.7/72

\- sign 14.452+/-0.002 χ^2/NDF: 5677357.1/36

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.1/19

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

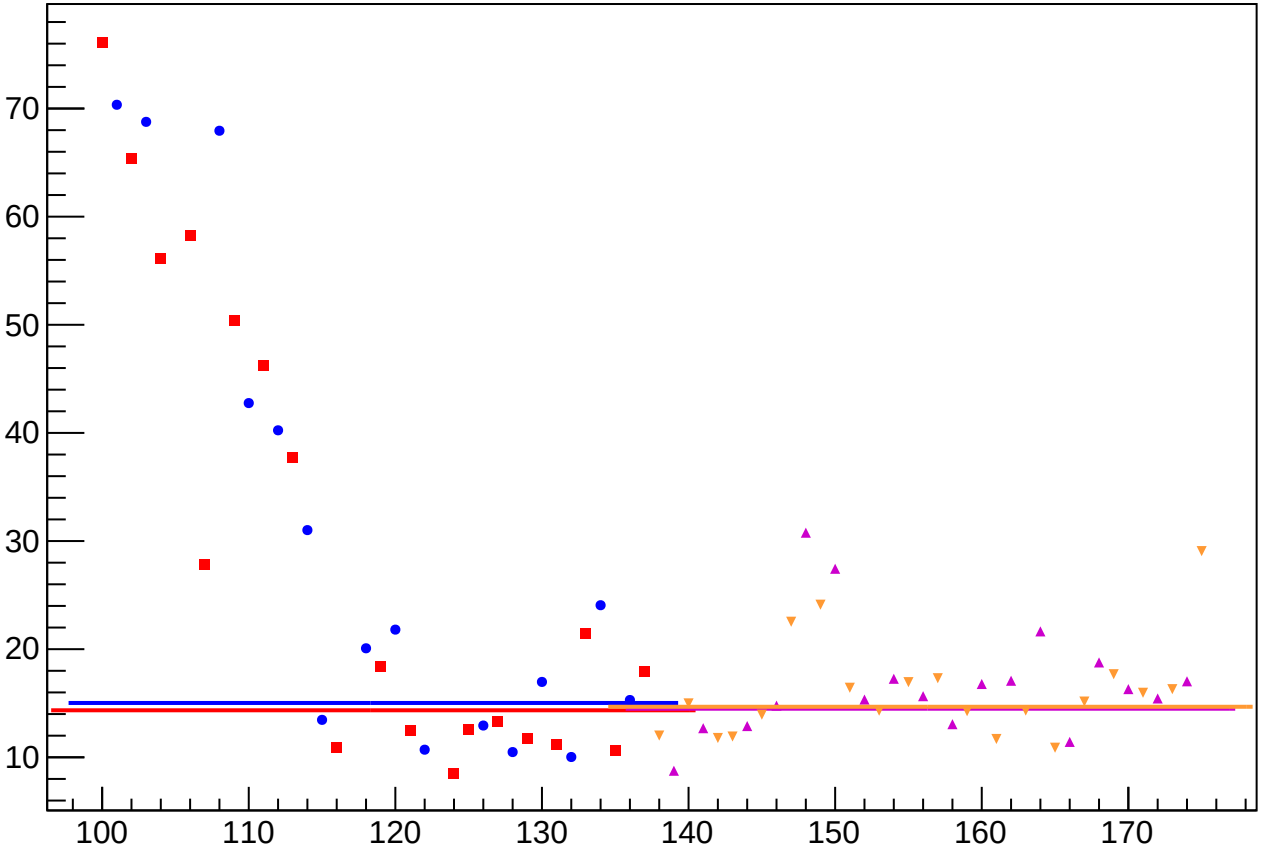
Left In: -0.003+/-0.004 χ^2/NDF:30.5/17

+ sign 0.002+/-0.003 χ^2/NDF: 42.4/35

All: 0.001+/-0.002 χ^2/NDF: 88.0/72

- sign 0.001+/-0.003 χ^2/NDF: 45.4/36

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.674+/-0.003 χ^2/NDF:1364475.7/19

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

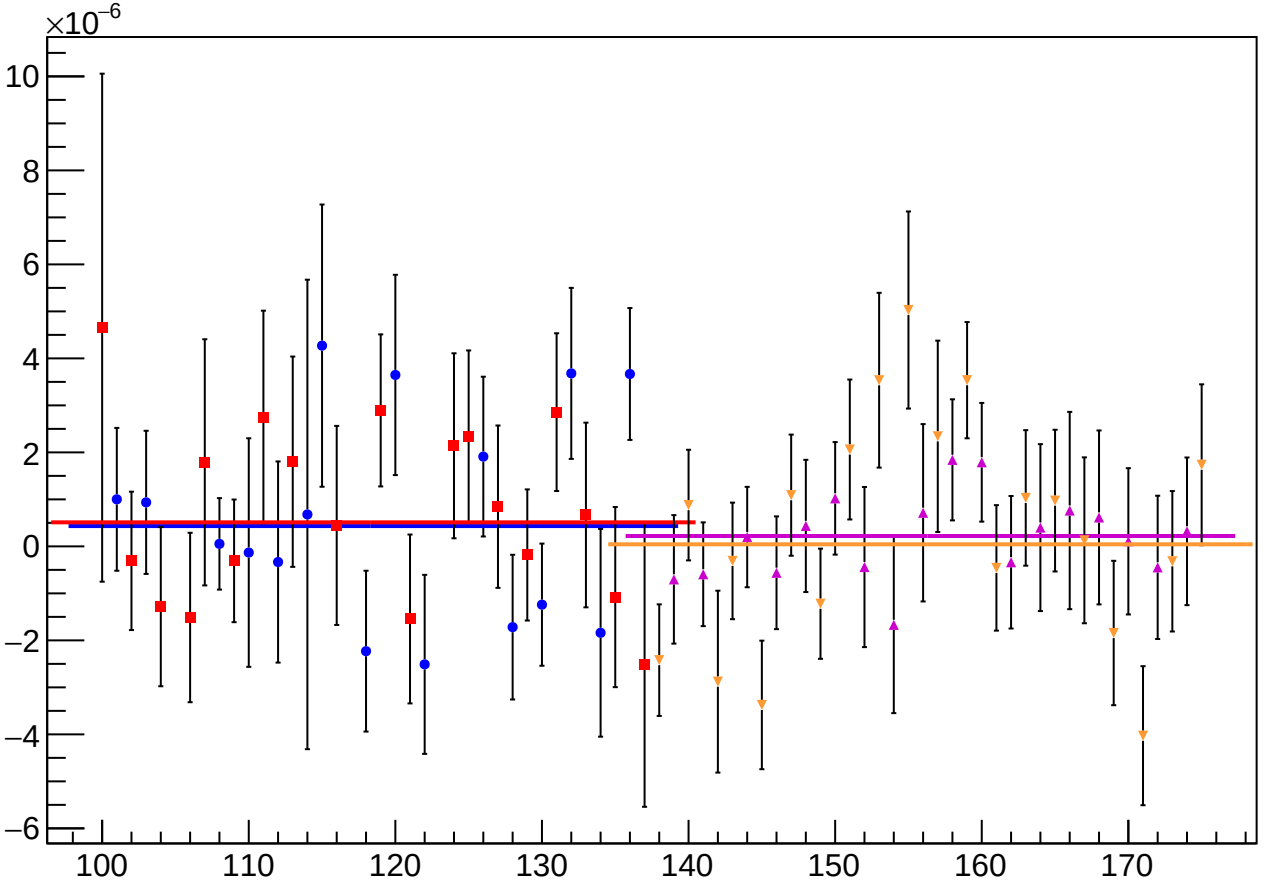
Left In: 14.494+/-0.003 χ^2/NDF:2047599.9/17

+ sign 14.762+/-0.002 χ^2/NDF: 4806826.2/35

All: 14.609+/-0.002 χ^2/NDF: 10492543.7/72

- sign 14.452+/-0.002 χ^2/NDF: 5677357.1/36

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:46.6/19

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

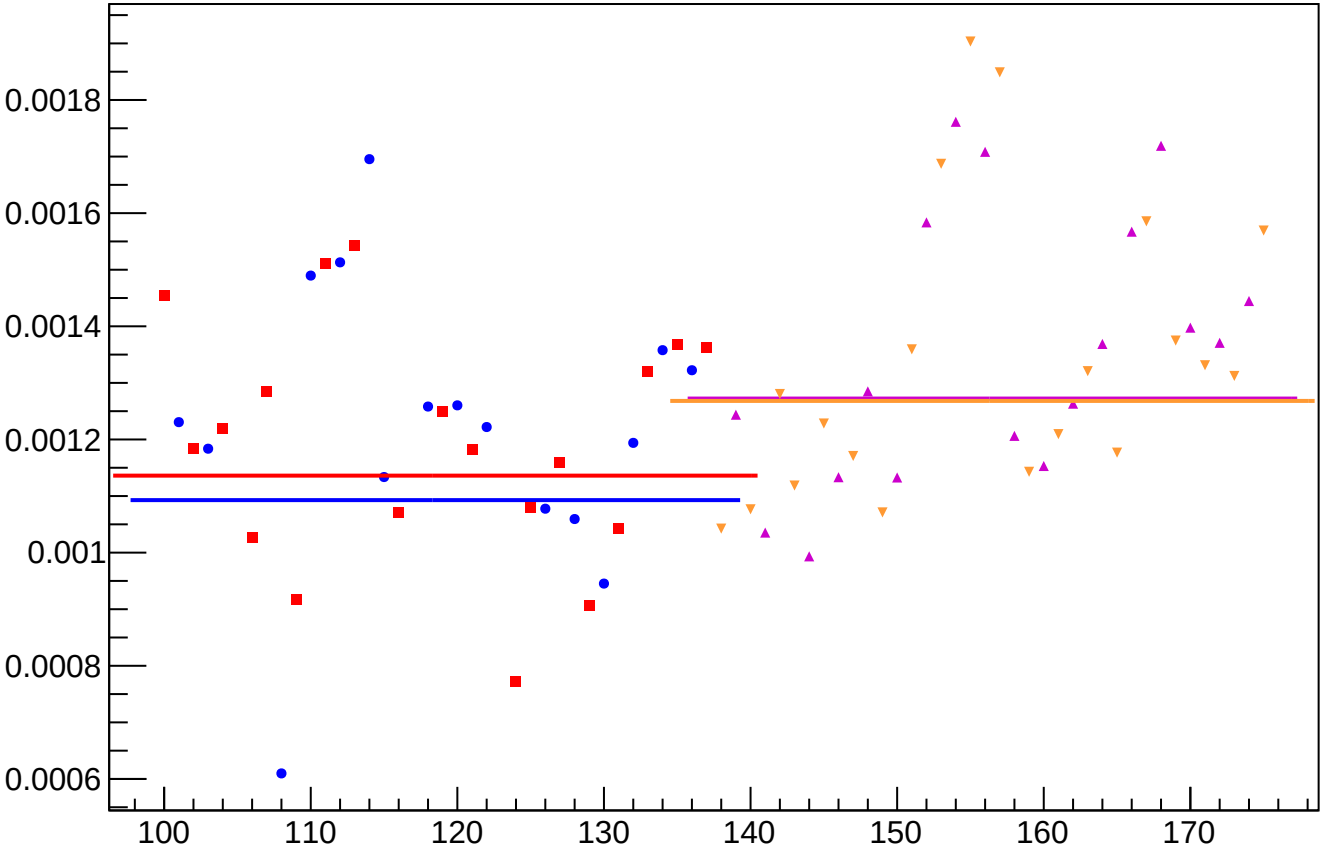
Left In: 0.000+/-0.000 χ^2/NDF:6.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 70.4/35

All: 0.000+/-0.000 χ^2/NDF: 91.9/72

- sign 0.000+/-0.000 χ^2/NDF: 21.3/36

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 831840.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:855393.0/19

Right Out: 0.001+/-0.000 χ^2/NDF: 407257.8/18

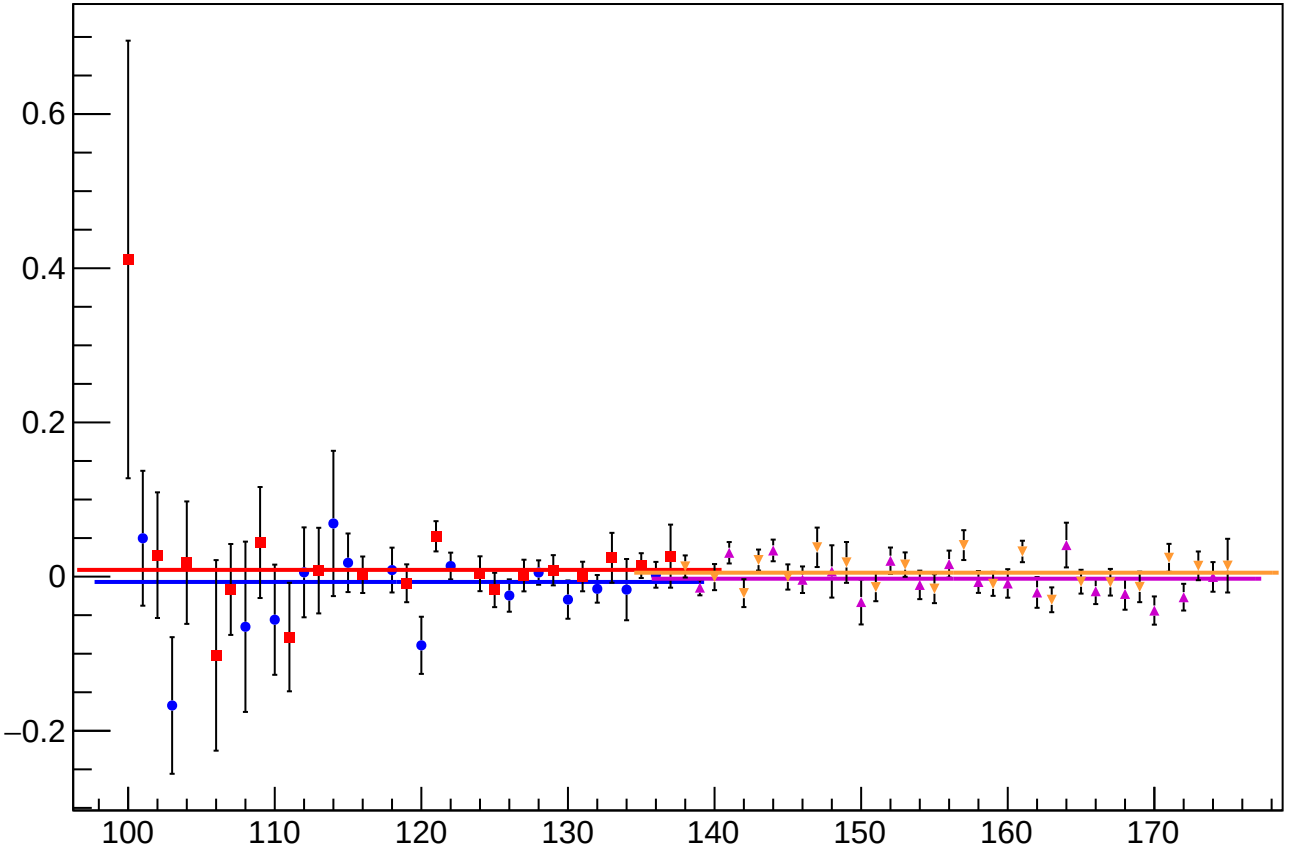
Left In: 0.001+/-0.000 χ^2/NDF:823132.0/17

+ sign 0.001+/-0.000 χ^2/NDF: 1905990.1/35

All: 0.001+/-0.000 χ^2/NDF: 3267758.9/72

- sign 0.001+/-0.000 χ^2/NDF: 1357605.7/36

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.1/19

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

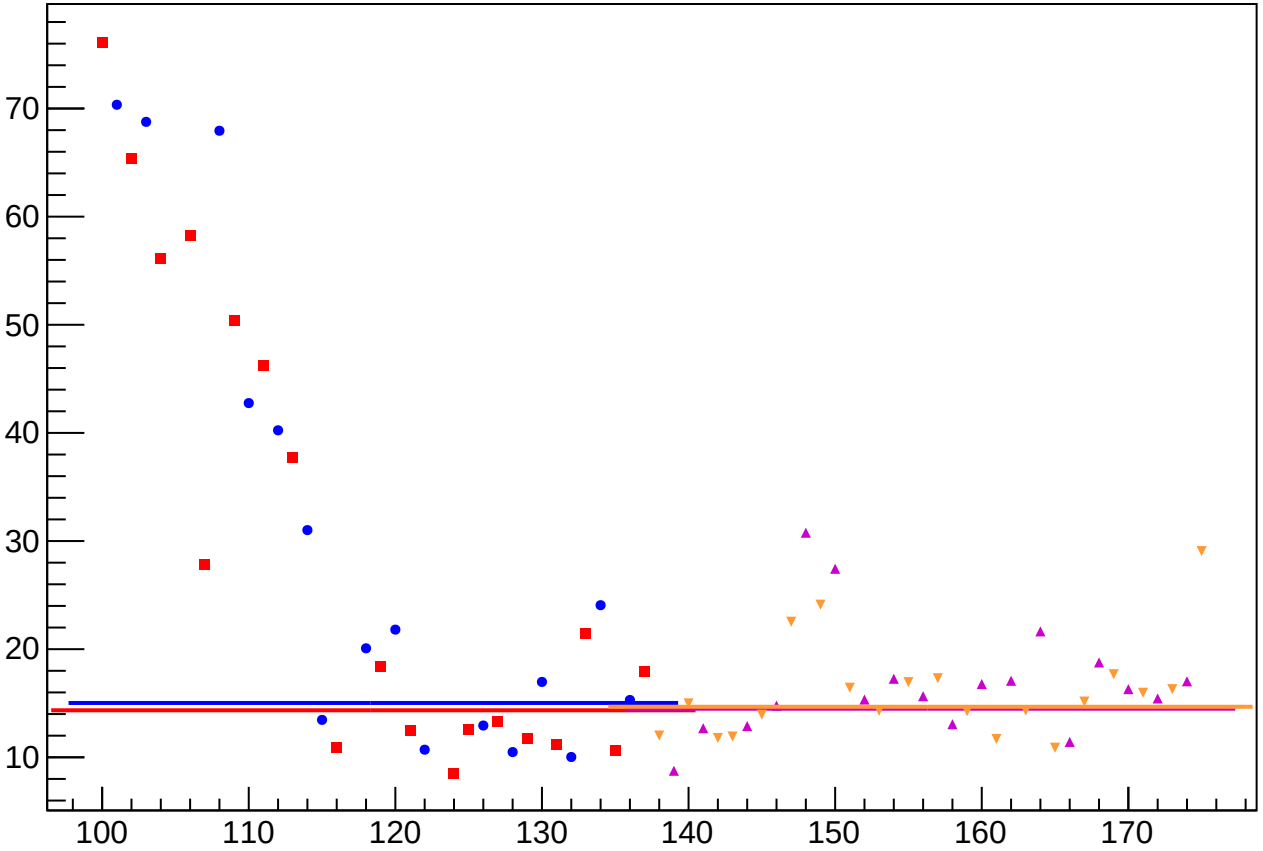
Left In: -0.003+/-0.004 χ^2/NDF:30.5/17

+ sign 0.002+/-0.003 χ^2/NDF: 42.4/35

All: 0.001+/-0.002 χ^2/NDF: 88.0/72

- sign 0.001+/-0.003 χ^2/NDF: 45.4/36

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.674+/-0.003 χ^2/NDF:1364542.9/19

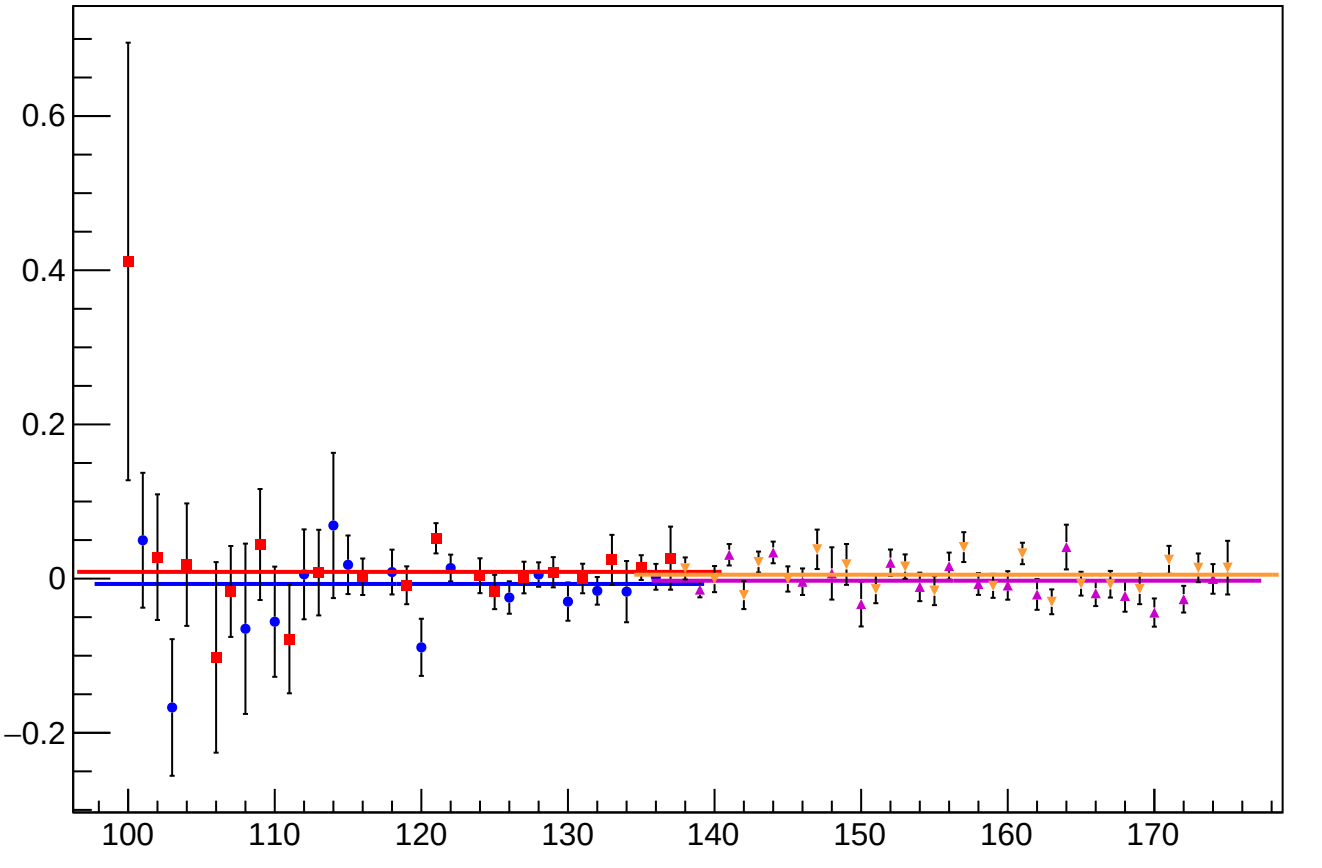
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.493+/-0.003 χ^2/NDF:2047666.2/17

+ sign 14.762+/-0.002 χ^2/NDF: 4806909.9/35

All: 14.609+/-0.002 χ^2/NDF: 10492682.4/72

- sign 14.452+/-0.002 χ^2/NDF: 5677413.4/36



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.1/19

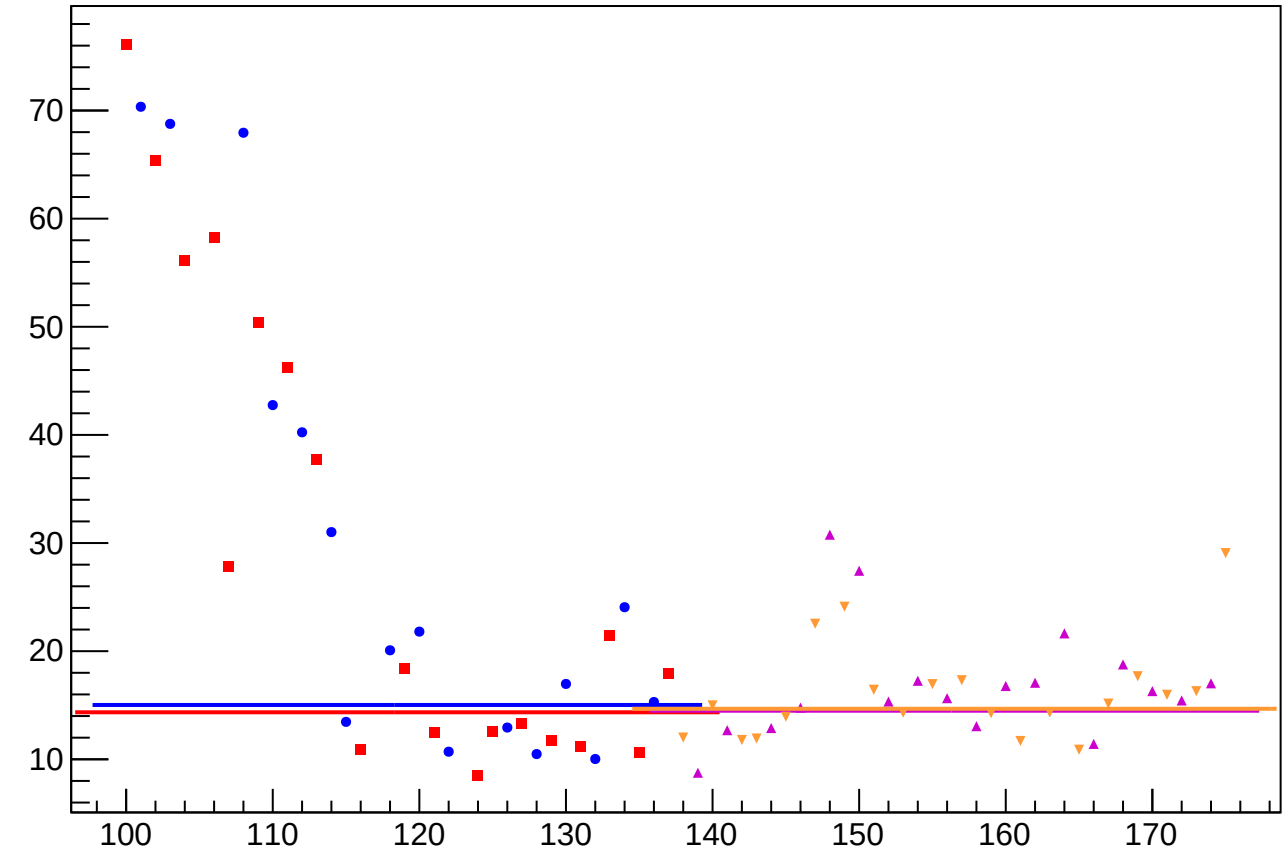
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.003+/-0.004 χ^2/NDF:30.5/17

+ sign 0.002+/-0.003 χ^2/NDF: 42.4/35

All: 0.001+/-0.002 χ^2/NDF: 88.0/72

- sign 0.001+/-0.003 χ^2/NDF: 45.4/36



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.674+/-0.003 χ^2/NDF:1364542.9/19

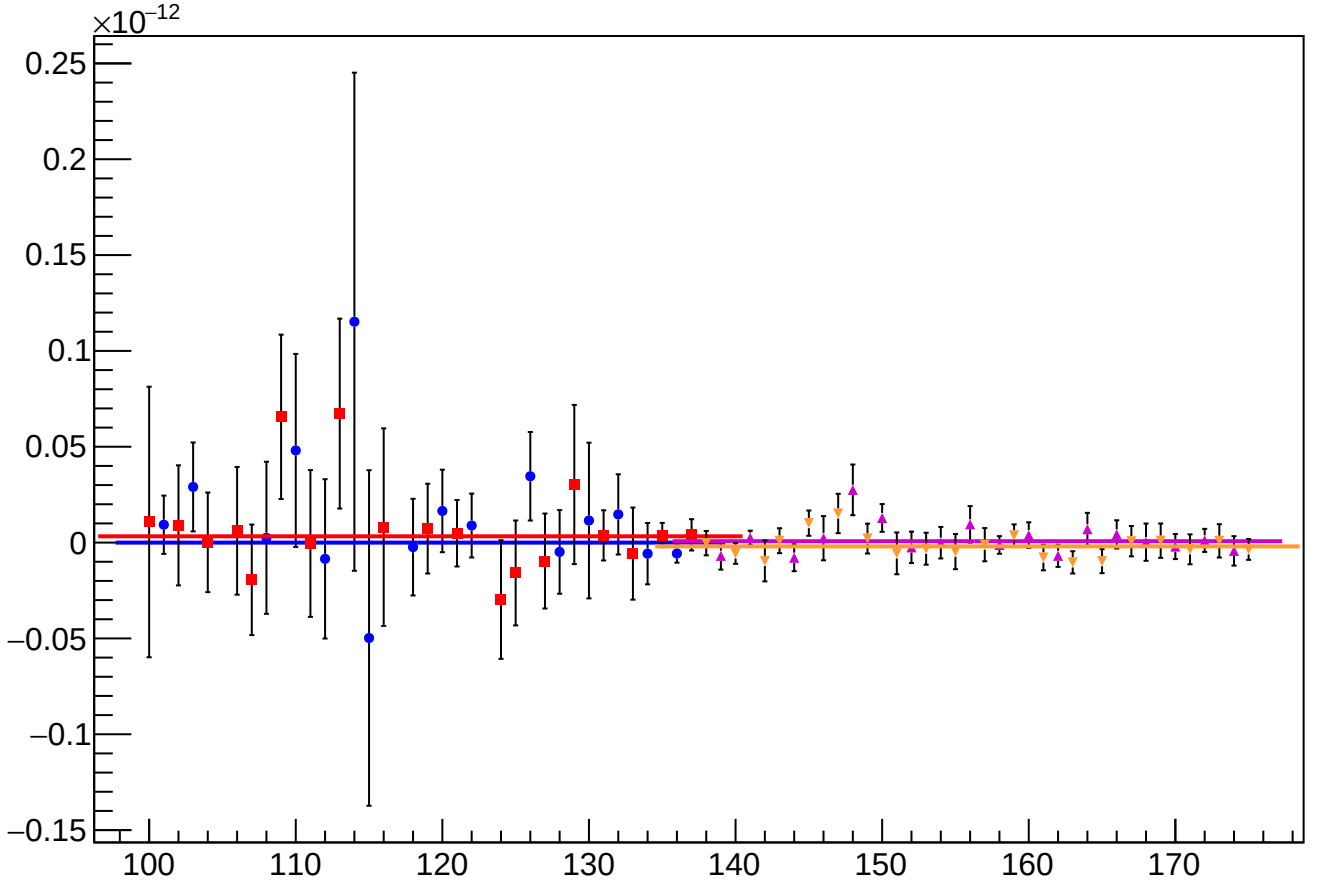
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.493+/-0.003 χ^2/NDF:2047666.2/17

+ sign 14.762+/-0.002 χ^2/NDF: 4806909.9/35

All: 14.609+/-0.002 χ^2/NDF: 10492682.4/72

- sign 14.452+/-0.002 χ^2/NDF: 5677413.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

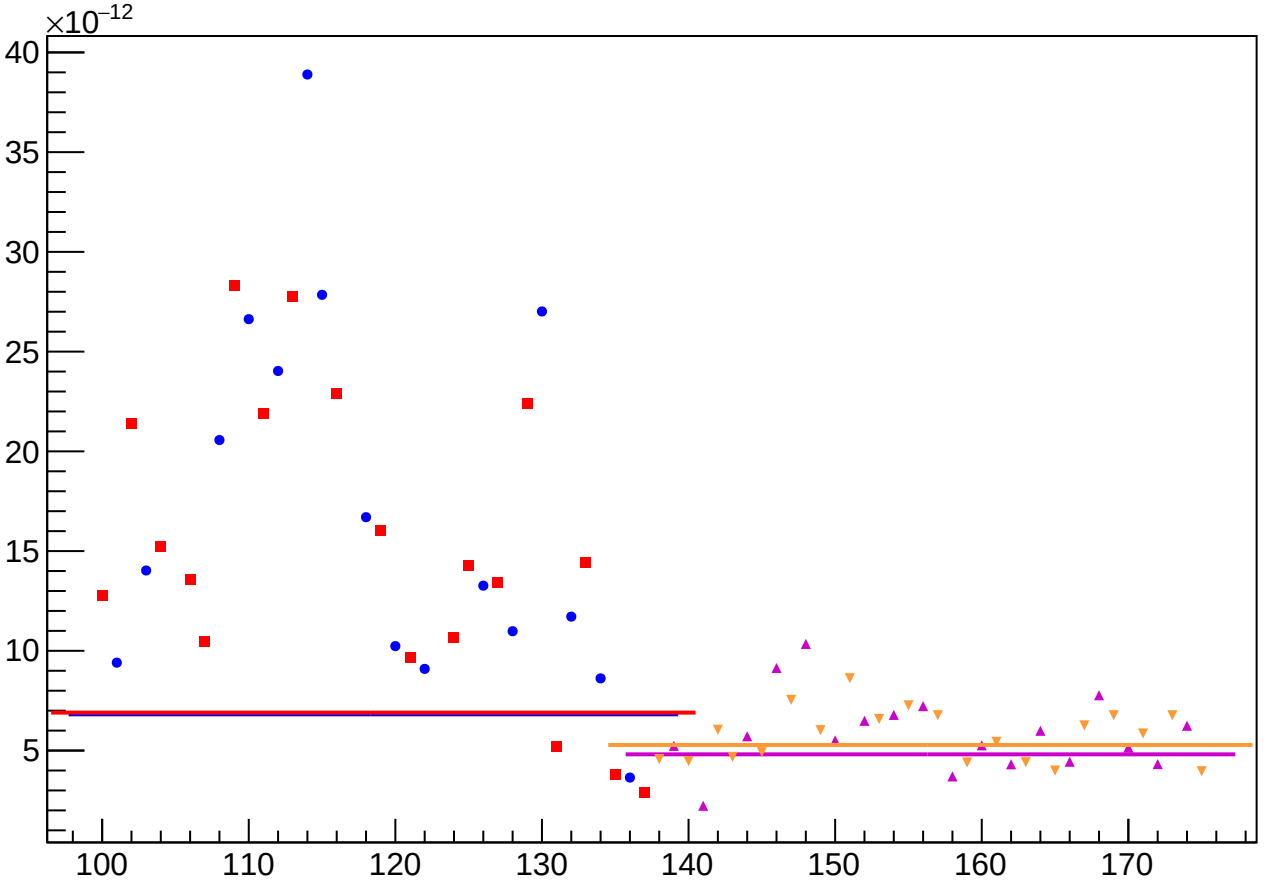
Left In: 0.000+/-0.000 χ^2/NDF:14.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 23.2/35

All: -0.000+/-0.000 χ^2/NDF: 46.7/72

- sign 0.000+/-0.000 χ^2/NDF: 21.7/36

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1056783.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

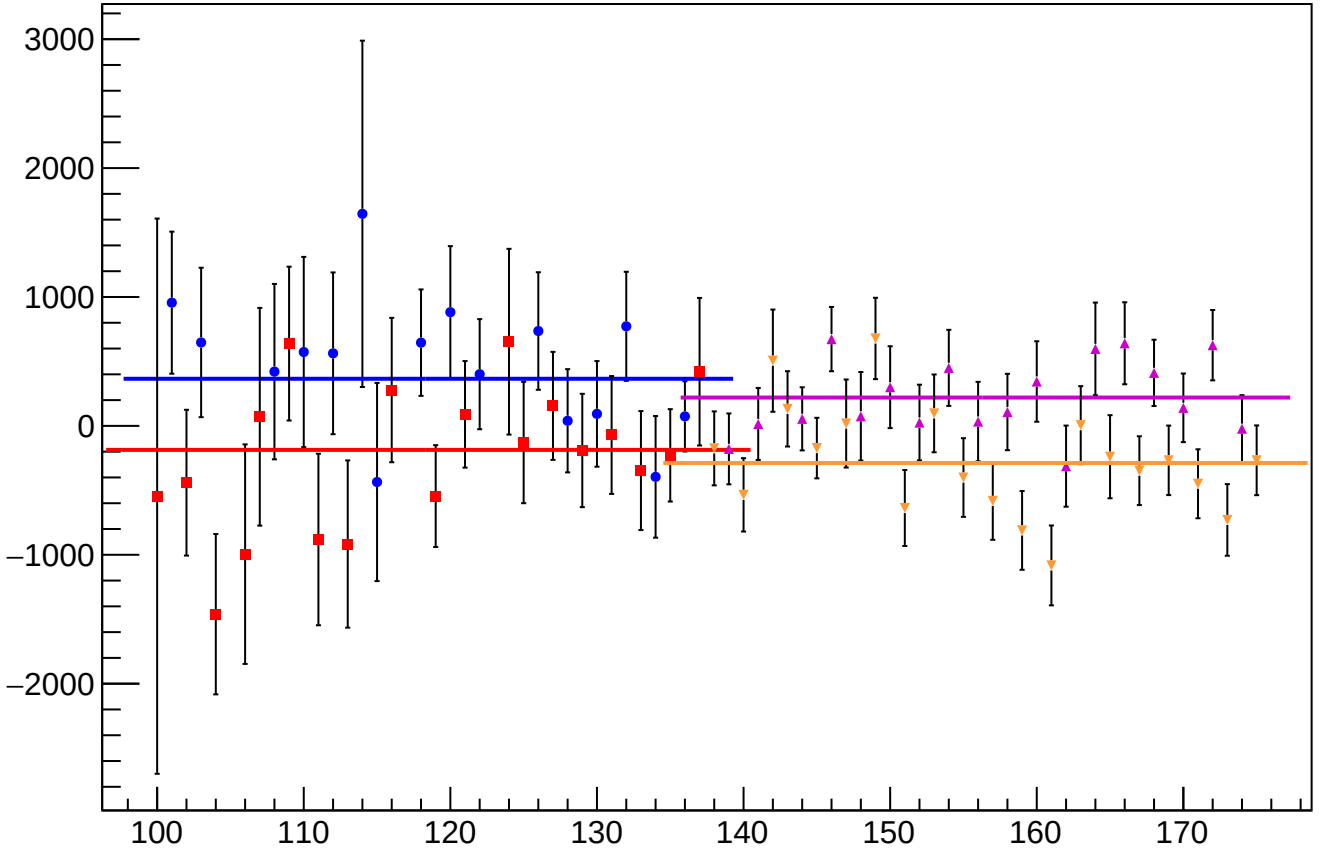
Left In: 0.000+/-0.000 χ^2/NDF:2446430.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 4846840.6/35

All: 0.000+/-0.000 χ^2/NDF: 12096139.2/72

- sign 0.000+/-0.000 χ^2/NDF: 7171226.8/36

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -287.705+/-65.429 χ^2/NDF:34.9/19

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

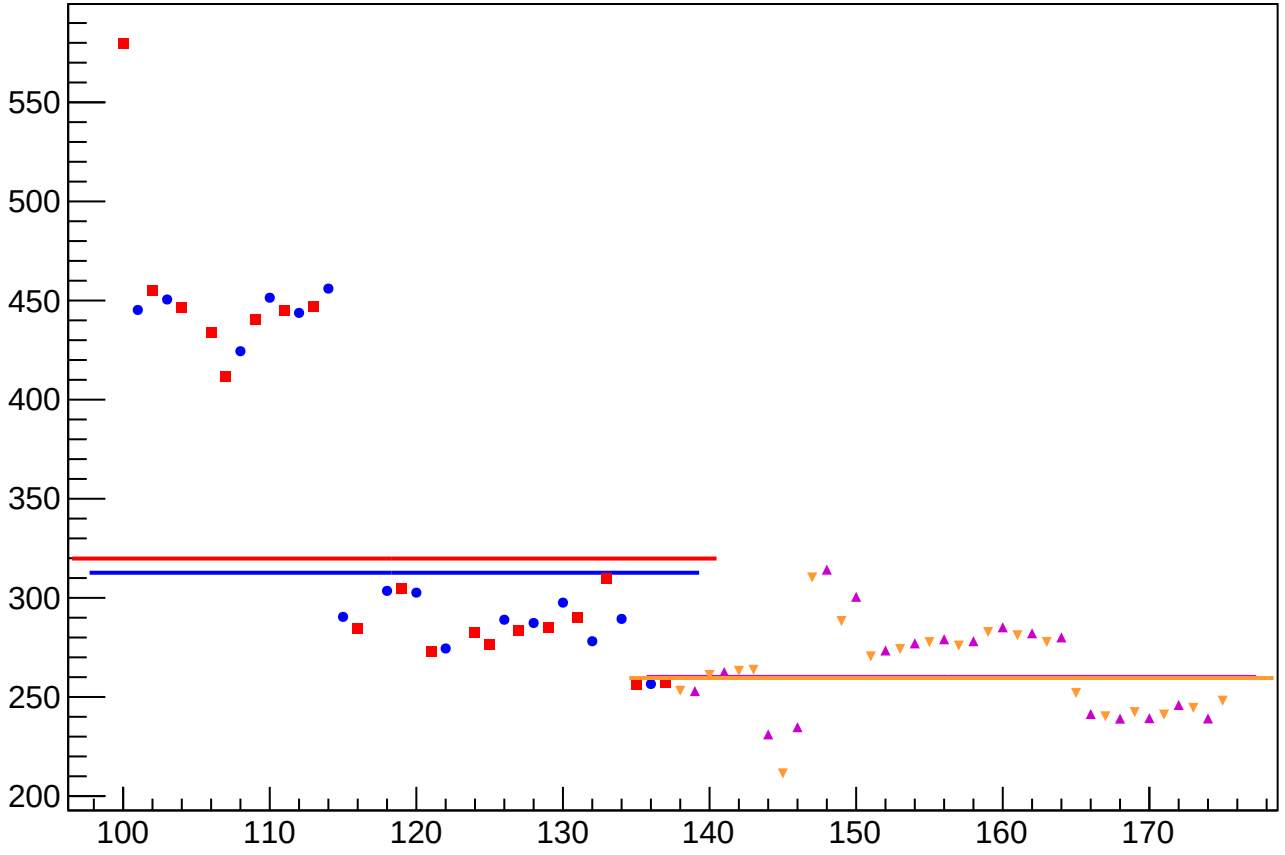
Left In: 219.859+/-67.780 χ^2/NDF:17.8/17

+ sign -135.819+/-57.320 χ^2/NDF: 69.6/35

All: -10.770+/-41.125 χ^2/NDF: 120.9/72

- sign 121.892+/-59.039 χ^2/NDF: 41.5/36

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 259.577+/-0.046 χ^2/NDF:233887.7/19

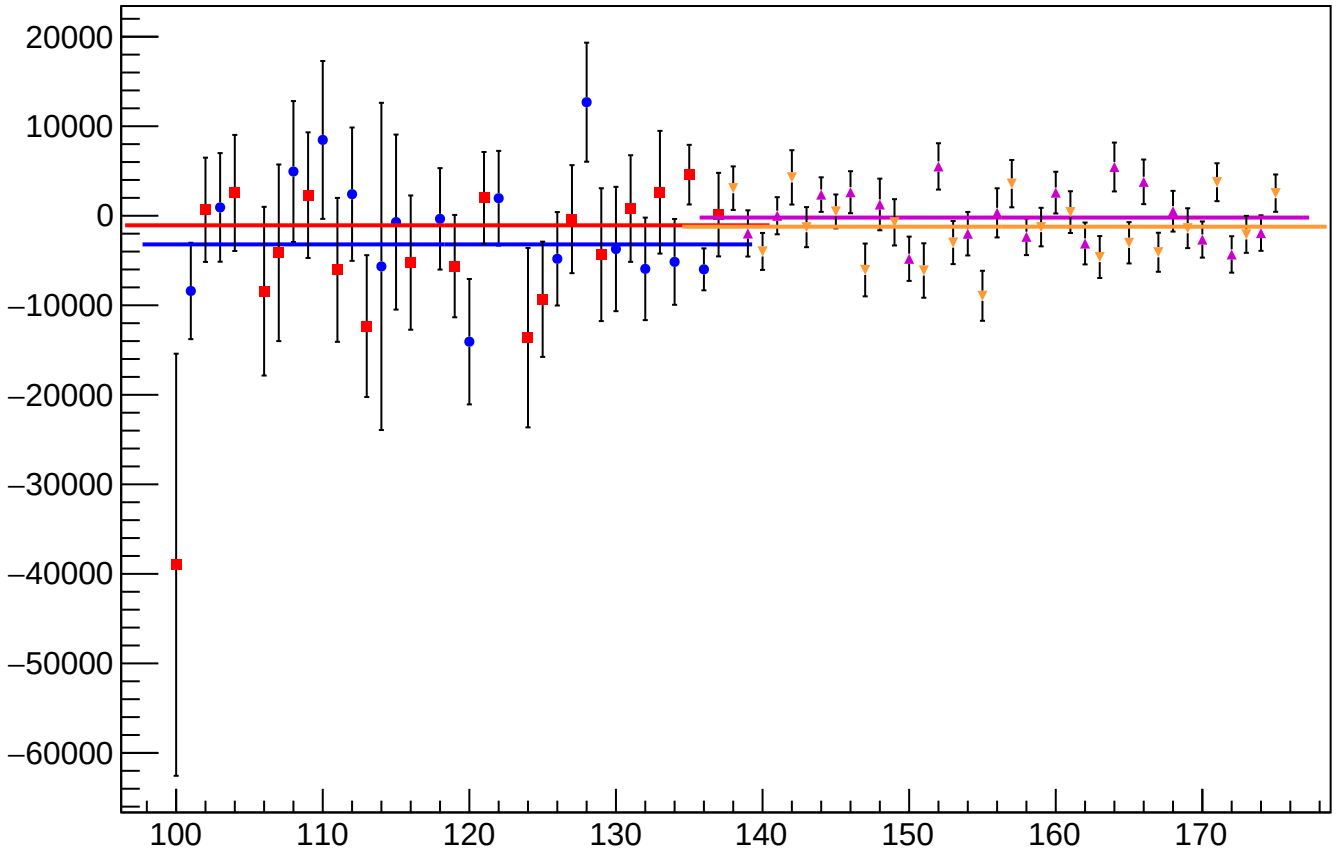
Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 260.113+/-0.048 χ^2/NDF:237716.4/17

+ sign 271.925+/-0.041 χ^2/NDF: 1142446.3/35

All: 273.186+/-0.029 χ^2/NDF: 2454780.6/72

- sign 274.525+/-0.042 χ^2/NDF: 1310336.8/36



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1222.962+/-521.486 χ^2/NDF:39.6/19

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

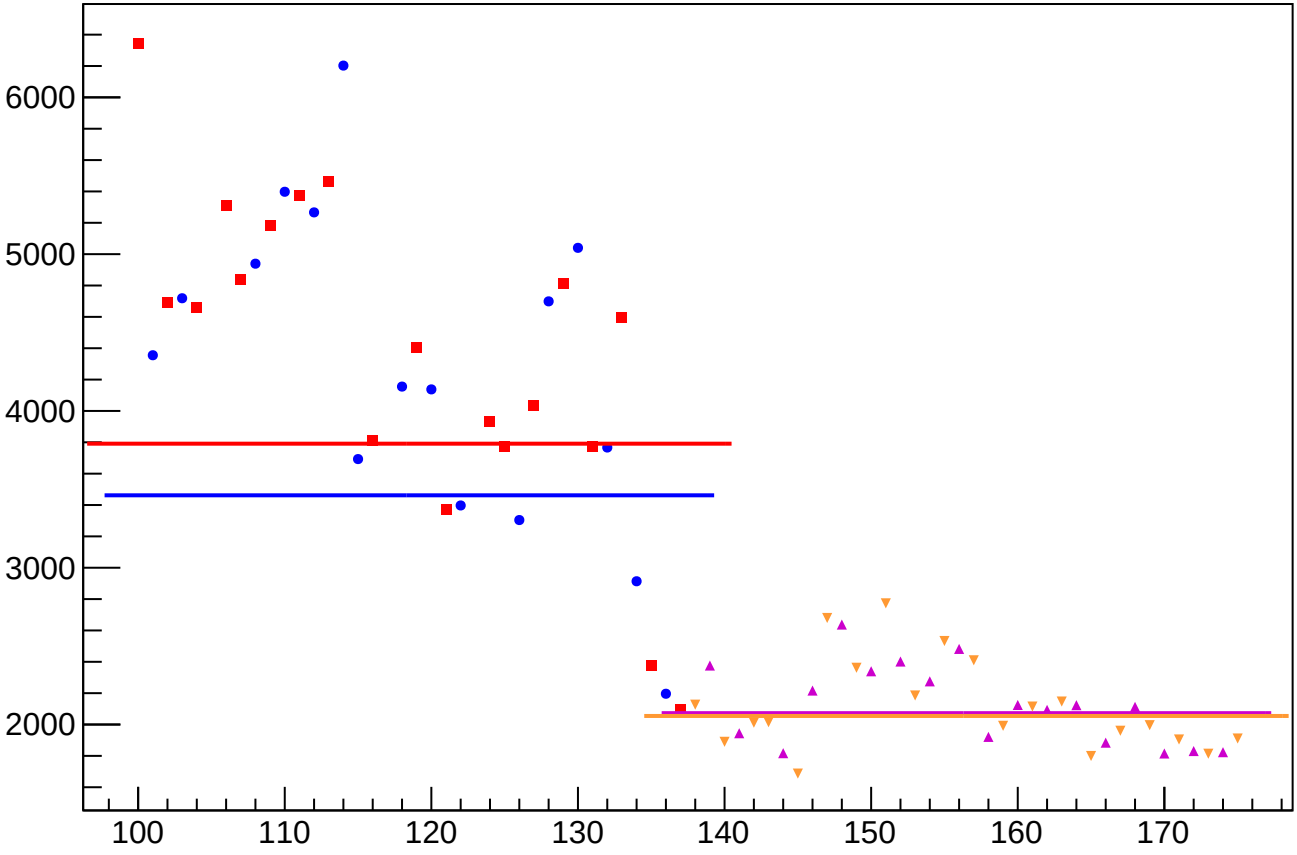
Left In: -201.673+/-542.121 χ^2/NDF:30.2/17

+ sign -1478.245+/-486.631 χ^2/NDF: 57.6/35

All: -917.933+/-351.247 χ^2/NDF: 105.3/72

- sign -308.528+/-507.503 χ^2/NDF: 44.9/36

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2054.595+/-0.369 χ^2/NDF:503640.9/19

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

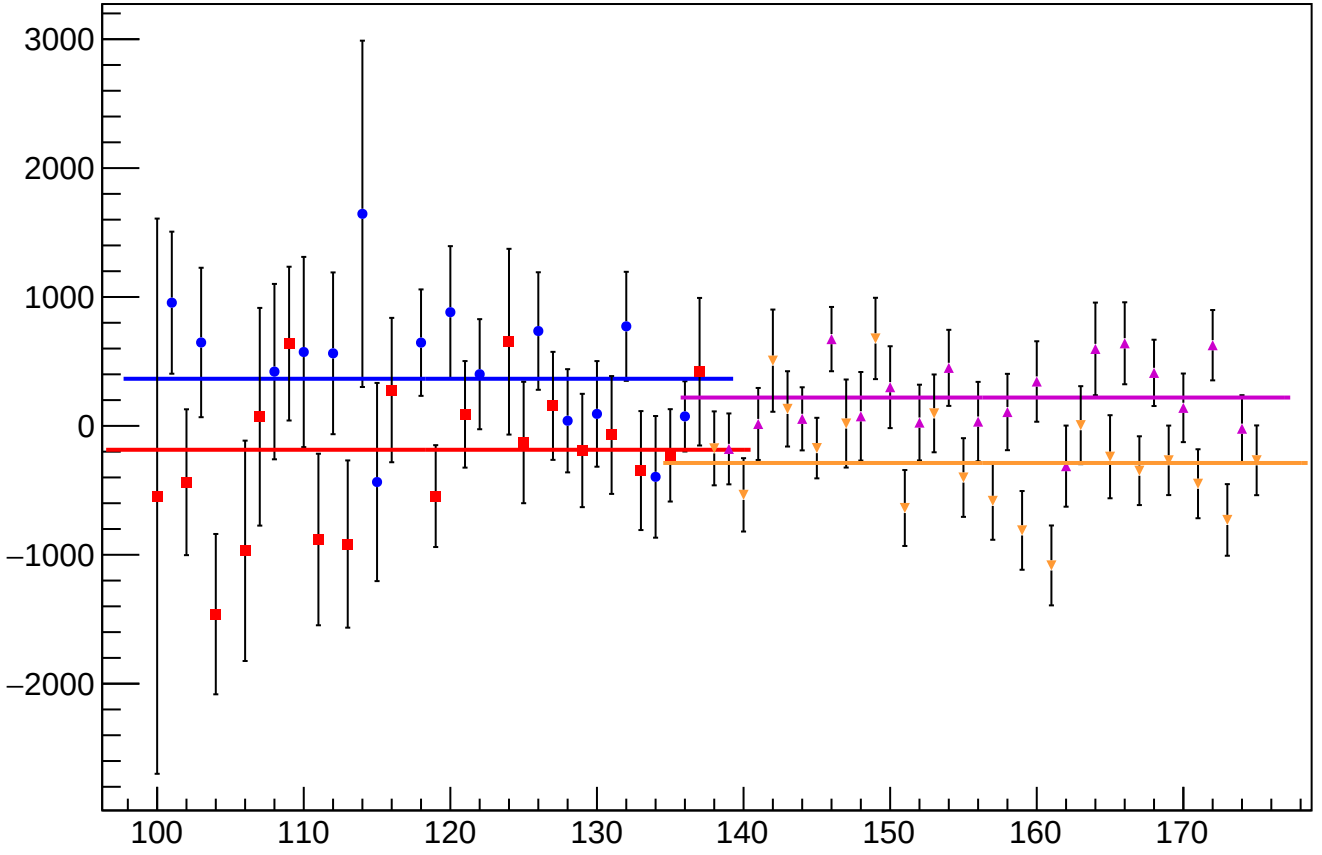
Left In: 2072.510+/-0.383 χ^2/NDF:385861.3/17

+ sign 2236.431+/-0.344 χ^2/NDF: 3695226.1/35

All: 2259.698+/-0.248 χ^2/NDF: 7731718.1/72

- sign 2285.004+/-0.359 χ^2/NDF: 4026947.2/36

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -287.702+/-65.429 χ^2/NDF:34.9/19

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

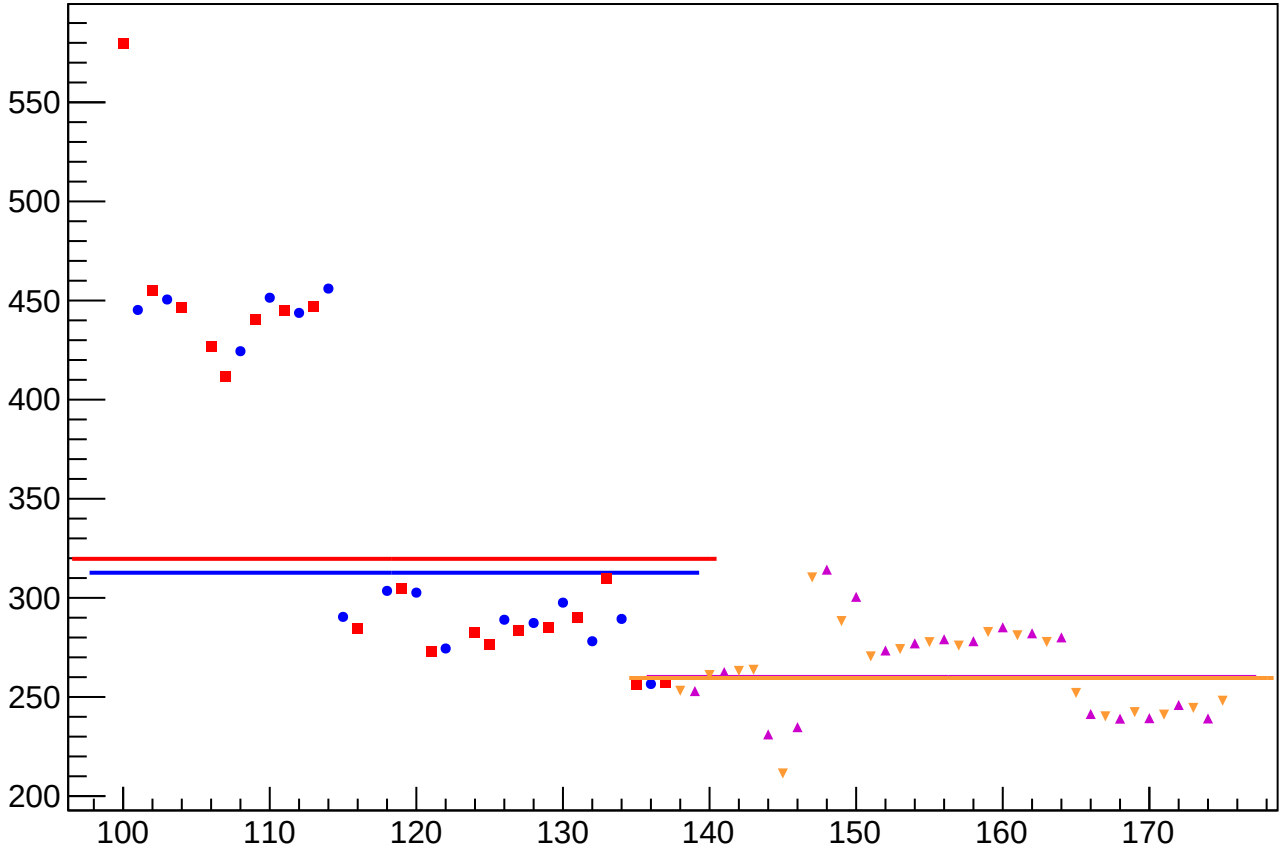
Left In: 219.863+/-67.780 χ^2/NDF:17.8/17

+ sign -135.821+/-57.320 χ^2/NDF: 69.6/35

All: -10.671+/-41.126 χ^2/NDF: 120.8/72

- sign 122.104+/-59.040 χ^2/NDF: 41.4/36

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.577+/-0.046 χ^2/NDF:233887.7/19

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

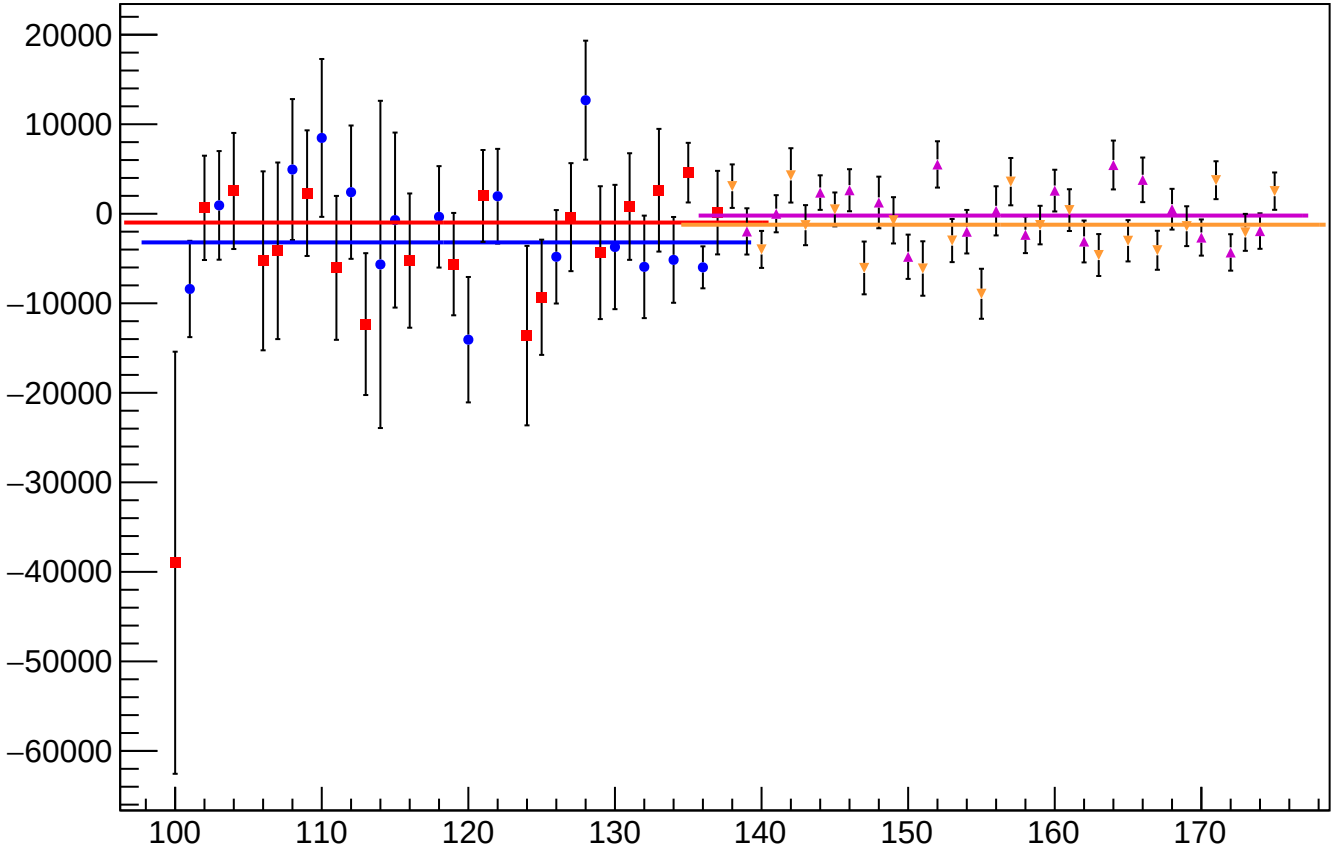
Left In: 260.113+/-0.048 χ^2/NDF:237716.4/17

+ sign 271.925+/-0.041 χ^2/NDF: 1142447.9/35

All: 273.168+/-0.029 χ^2/NDF: 2448651.5/72

- sign 274.487+/-0.042 χ^2/NDF: 1304263.8/36

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1222.957+/-521.486 χ^2/NDF:39.6/19

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

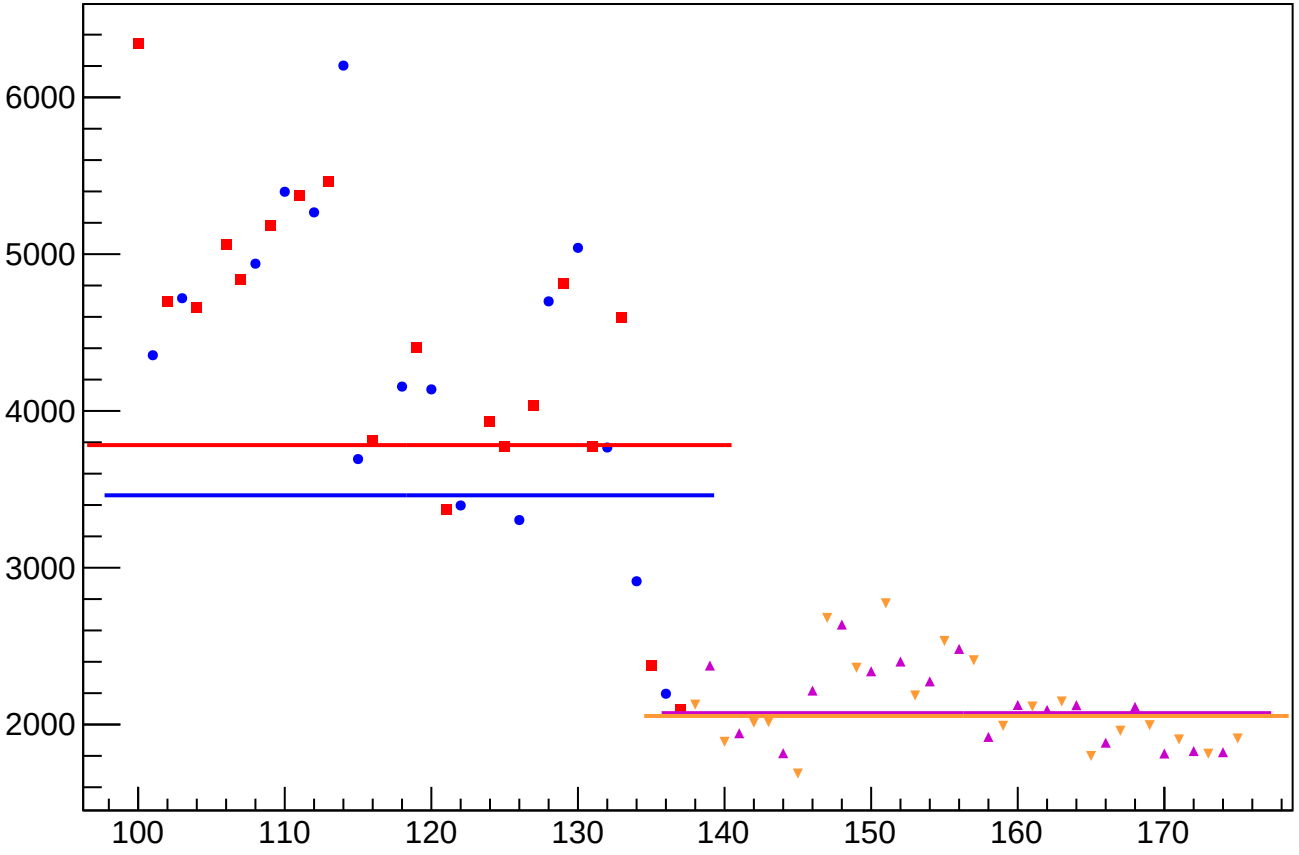
Left In: -201.676+/-542.121 χ^2/NDF:30.2/17

\+ sign -1478.230+/-486.632 χ^2/NDF: 57.6/35

All: -912.882+/-351.275 χ^2/NDF: 104.8/72

\- sign -297.795+/-507.587 χ^2/NDF: 44.4/36

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2054.596+/-0.369 χ^2/NDF:503641.4/19

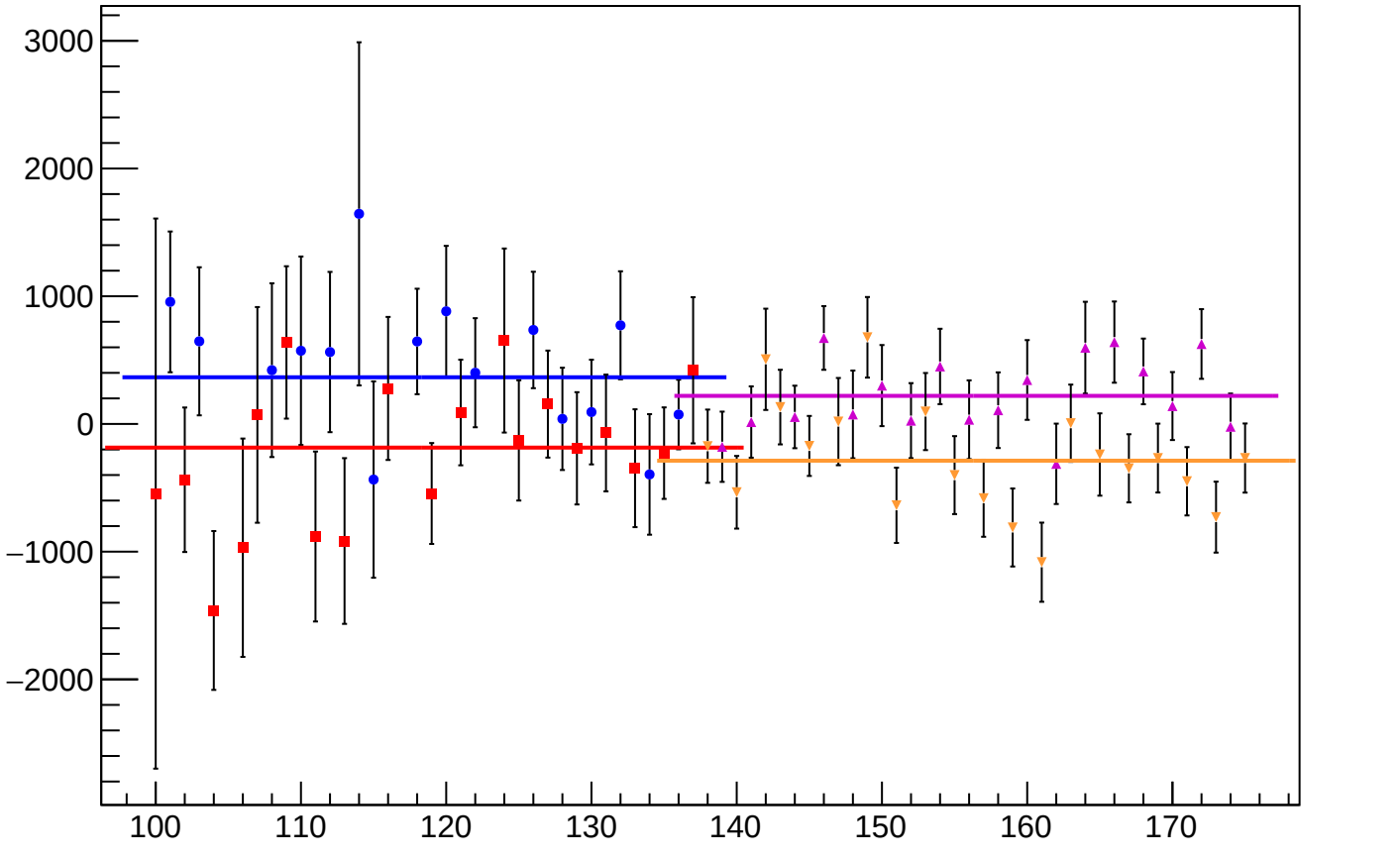
Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2072.510+/-0.383 χ^2/NDF:385863.2/17

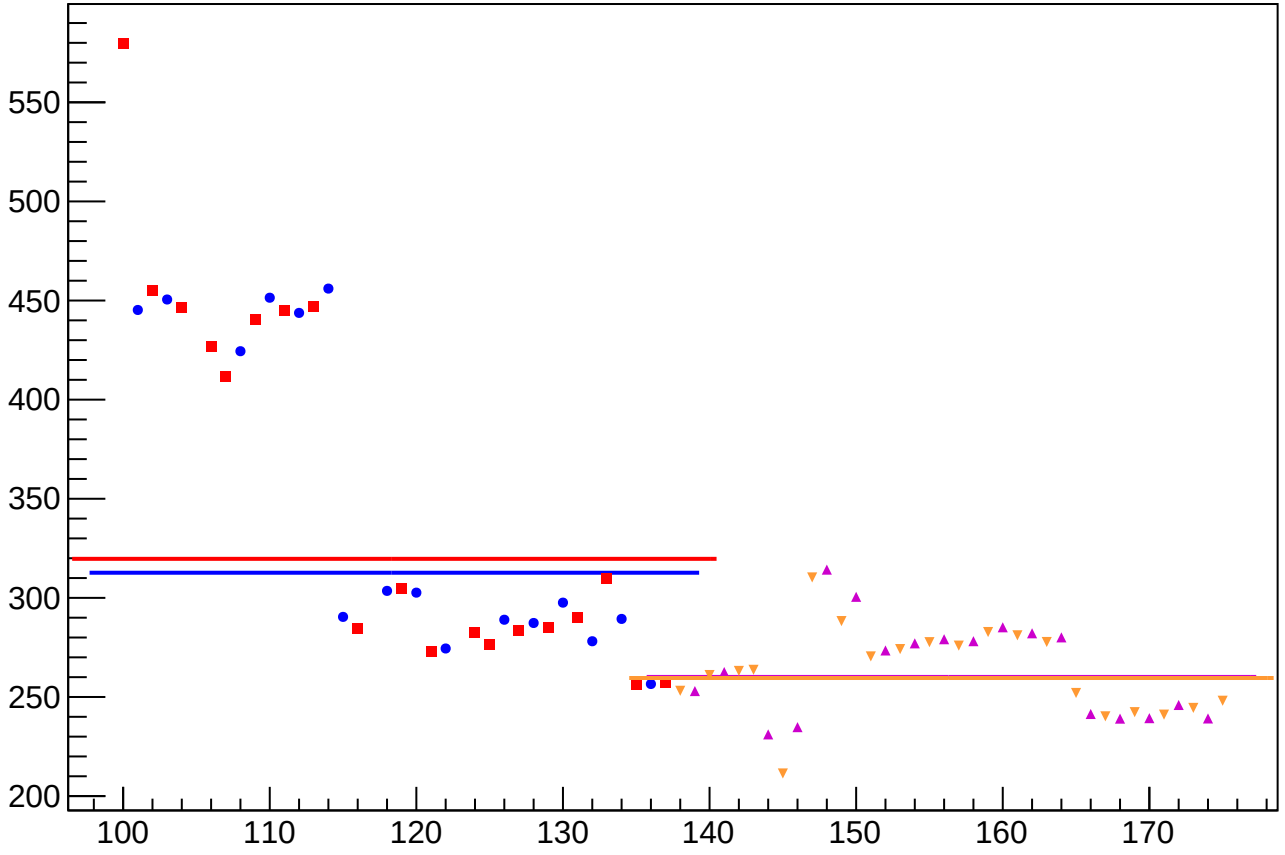
+ sign 2236.431+/-0.344 χ^2/NDF: 3695247.0/35

All: 2258.922+/-0.248 χ^2/NDF: 7679870.9/72

- sign 2283.391+/-0.359 χ^2/NDF: 3975703.9/36


eigen_cor_asym_sam2_mean vs Slug
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: 365.523+/-118.873 χ²/NDF: 11.5/15
Left Out: -287.702+/-65.429 χ²/NDF:34.9/19
Right Out: -185.331+/-120.199 χ²/NDF: 14.9/18
Left In: 219.863+/-67.780 χ²/NDF:17.8/17
+ sign -135.821+/-57.320 χ²/NDF: 69.6/35
All: -10.671+/-41.126 χ²/NDF: 120.8/72
- sign 122.104+/-59.040 χ²/NDF: 41.4/36

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.577+/-0.046 χ^2/NDF:233887.7/19

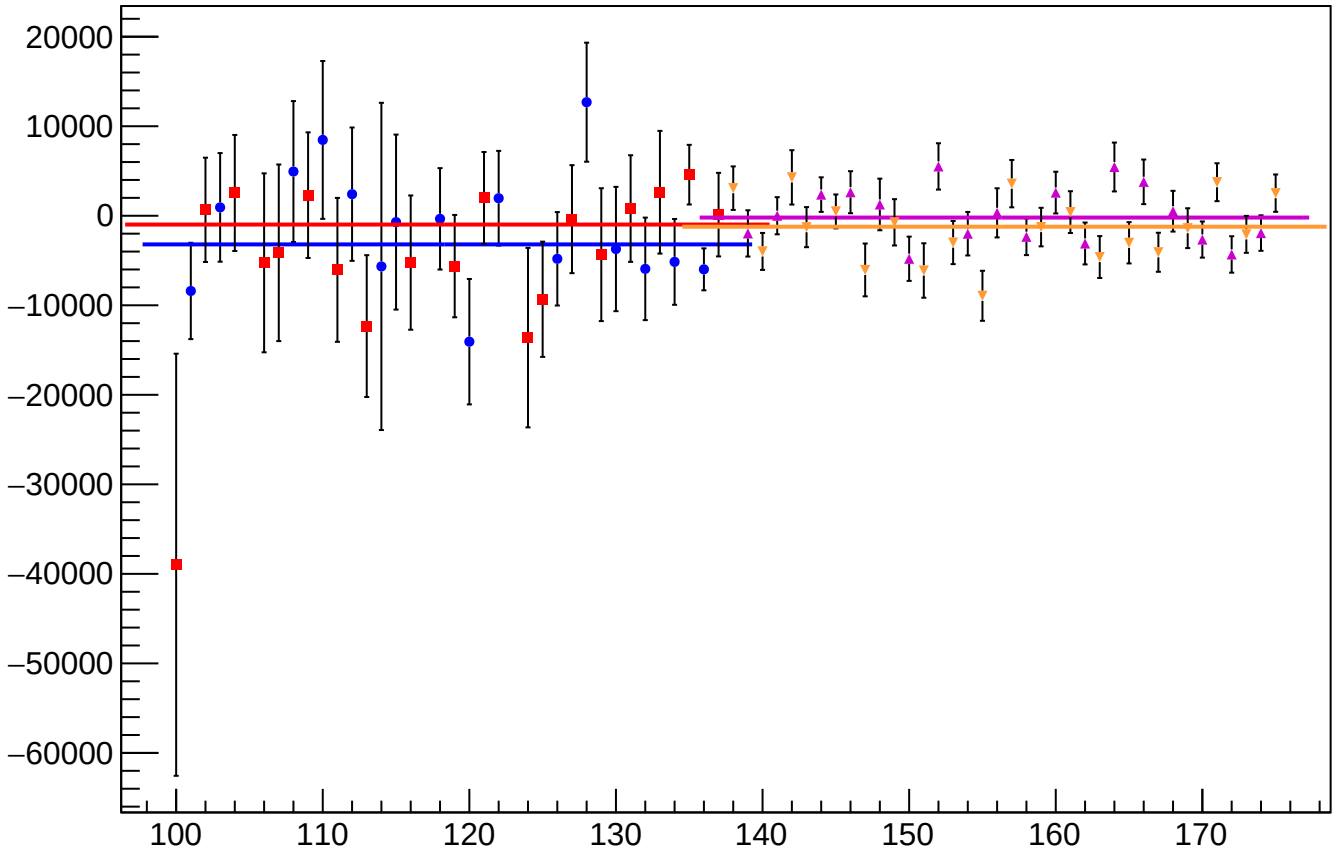
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 260.113+/-0.048 χ^2/NDF:237716.4/17

+ sign 271.925+/-0.041 χ^2/NDF: 1142447.9/35

All: 273.168+/-0.029 χ^2/NDF: 2448651.5/72

- sign 274.487+/-0.042 χ^2/NDF: 1304263.8/36



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1222.957+/-521.486 χ^2/NDF:39.6/19

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

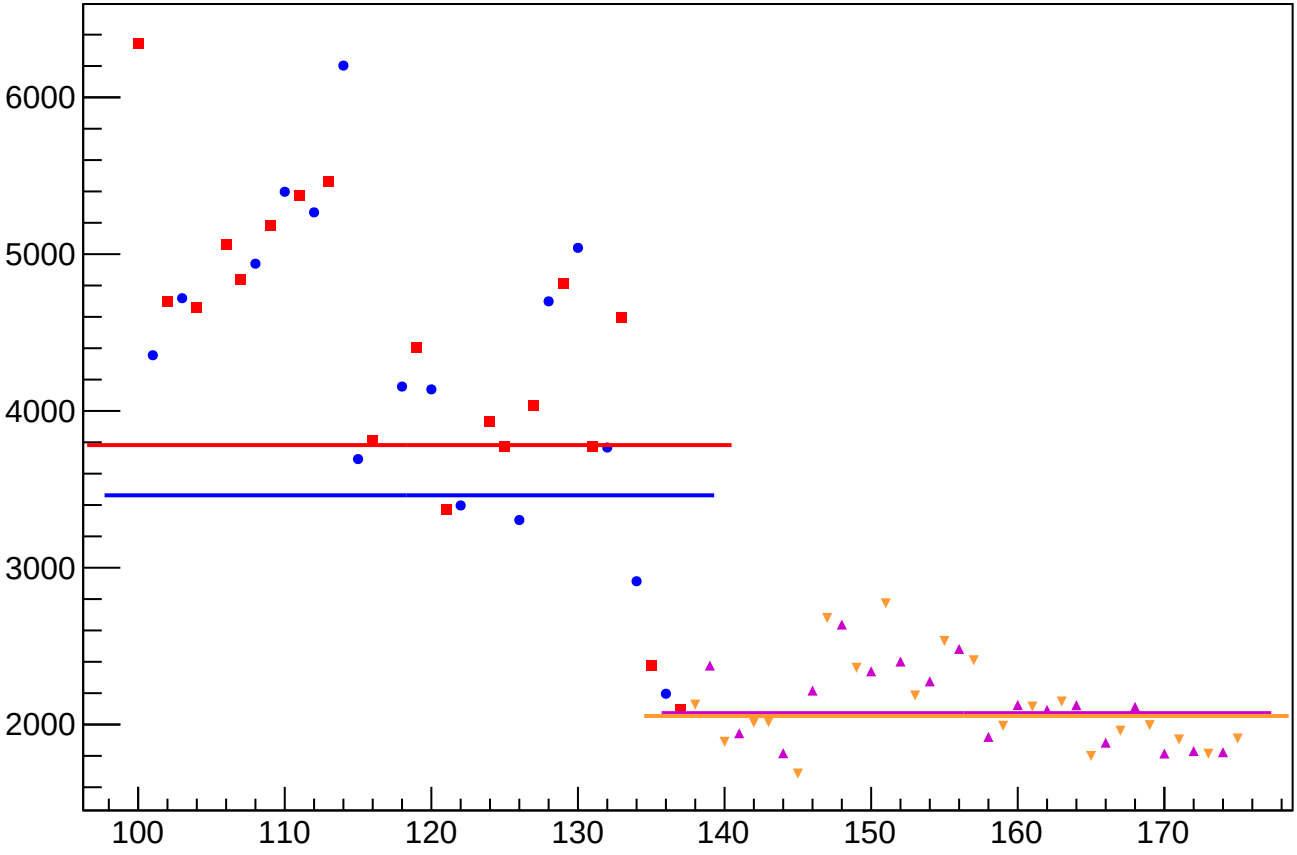
Left In: -201.676+/-542.121 χ^2/NDF:30.2/17

+ sign -1478.230+/-486.632 χ^2/NDF: 57.6/35

All: -912.882+/-351.275 χ^2/NDF: 104.8/72

- sign -297.795+/-507.587 χ^2/NDF: 44.4/36

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2054.596+/-0.369 χ^2/NDF:503641.4/19

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

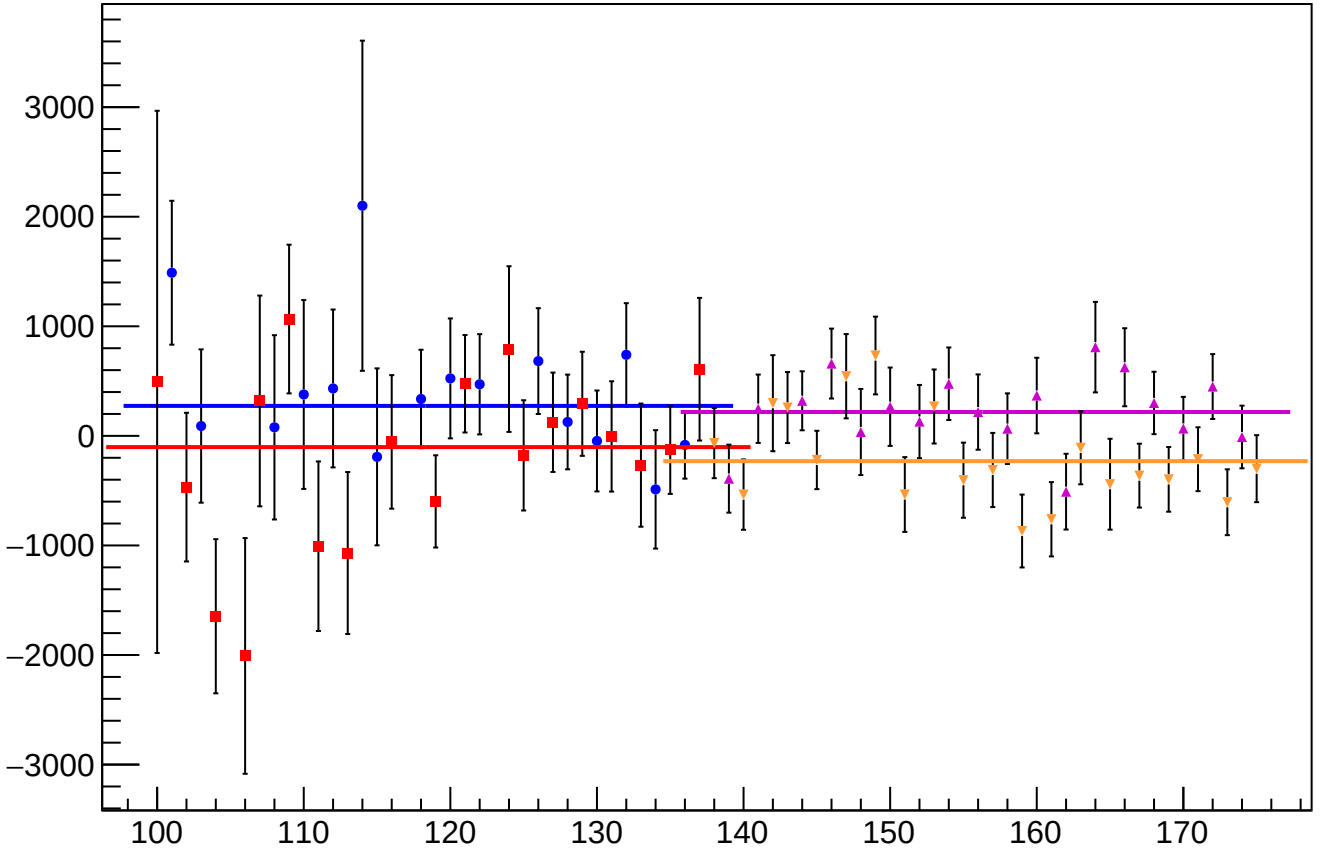
Left In: 2072.510+/-0.383 χ^2/NDF:385863.2/17

+ sign 2236.431+/-0.344 χ^2/NDF: 3695247.0/35

All: 2258.922+/-0.248 χ^2/NDF: 7679870.9/72

- sign 2283.391+/-0.359 χ^2/NDF: 3975703.9/36

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -230.537+/-73.135 χ^2/NDF:28.3/19

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

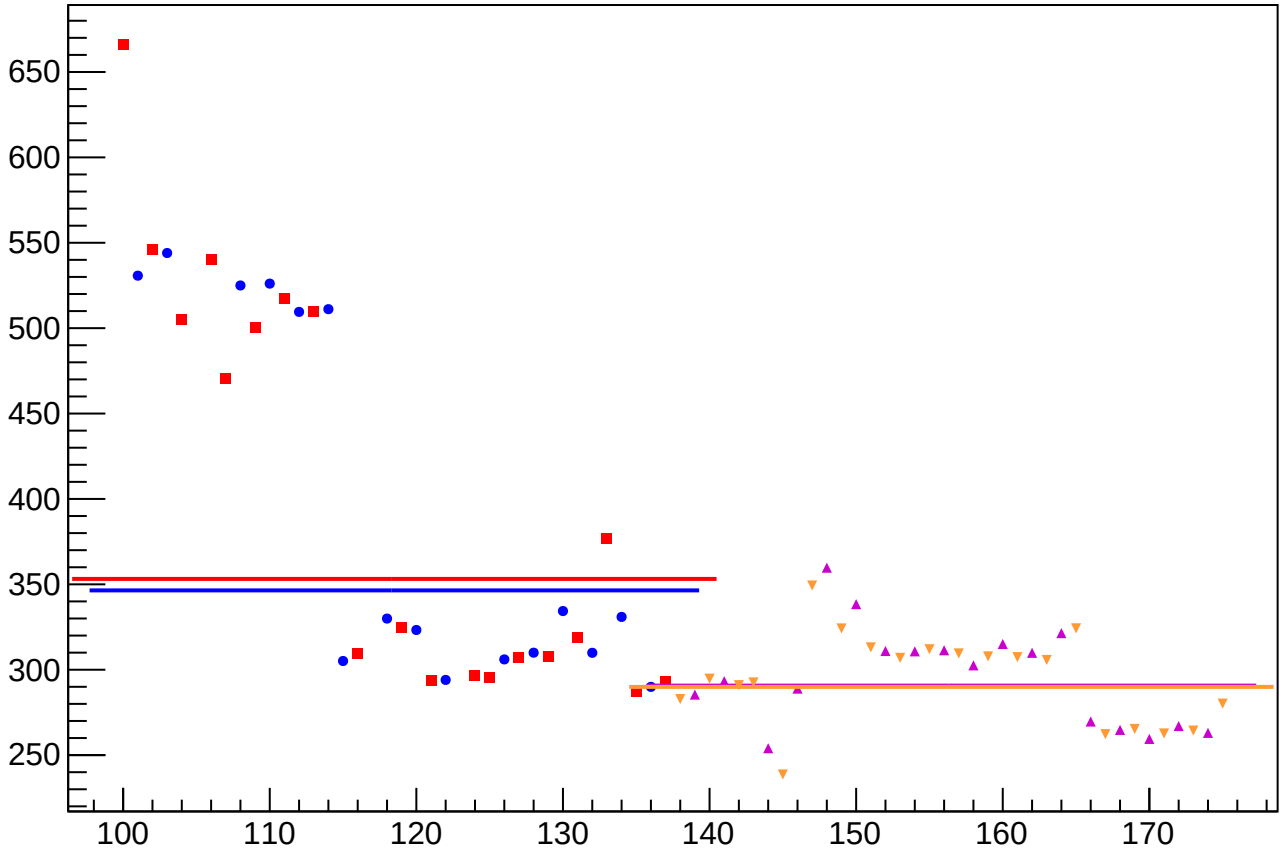
Left In: 217.784+/-75.964 χ^2/NDF:16.6/17

+ sign -112.866+/-64.033 χ^2/NDF: 50.8/35

All: 9.466+/-45.970 χ^2/NDF: 100.7/72

- sign 139.572+/-66.037 χ^2/NDF: 42.3/36

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 289.945+/-0.052 χ^2/NDF:266604.8/19

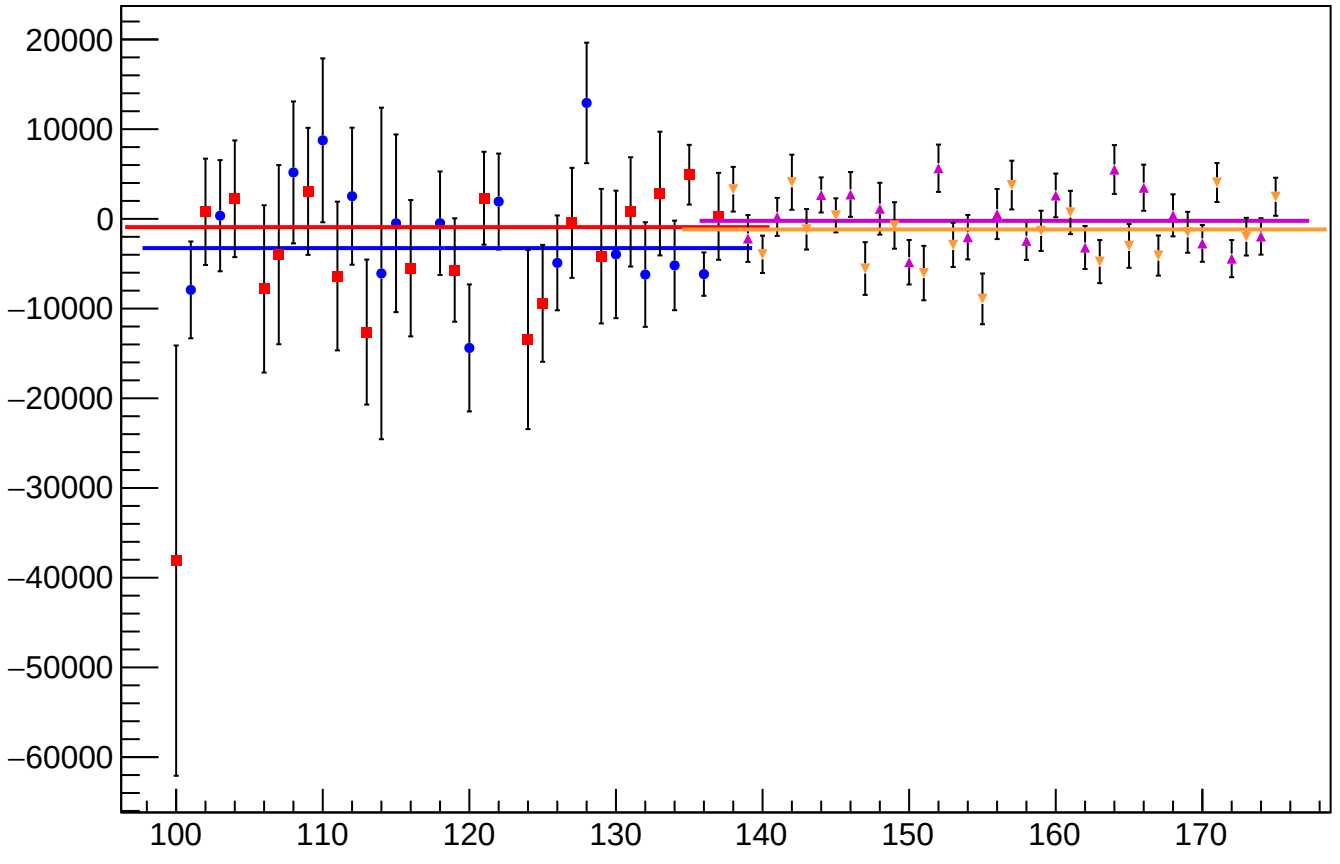
Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 290.699+/-0.054 χ^2/NDF:265627.1/17

+ sign 303.136+/-0.045 χ^2/NDF: 1314080.5/35

All: 304.506+/-0.033 χ^2/NDF: 2778474.0/72

- sign 305.962+/-0.047 χ^2/NDF: 1462504.7/36



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1180.527+/-532.015 χ^2/NDF:38.7/19

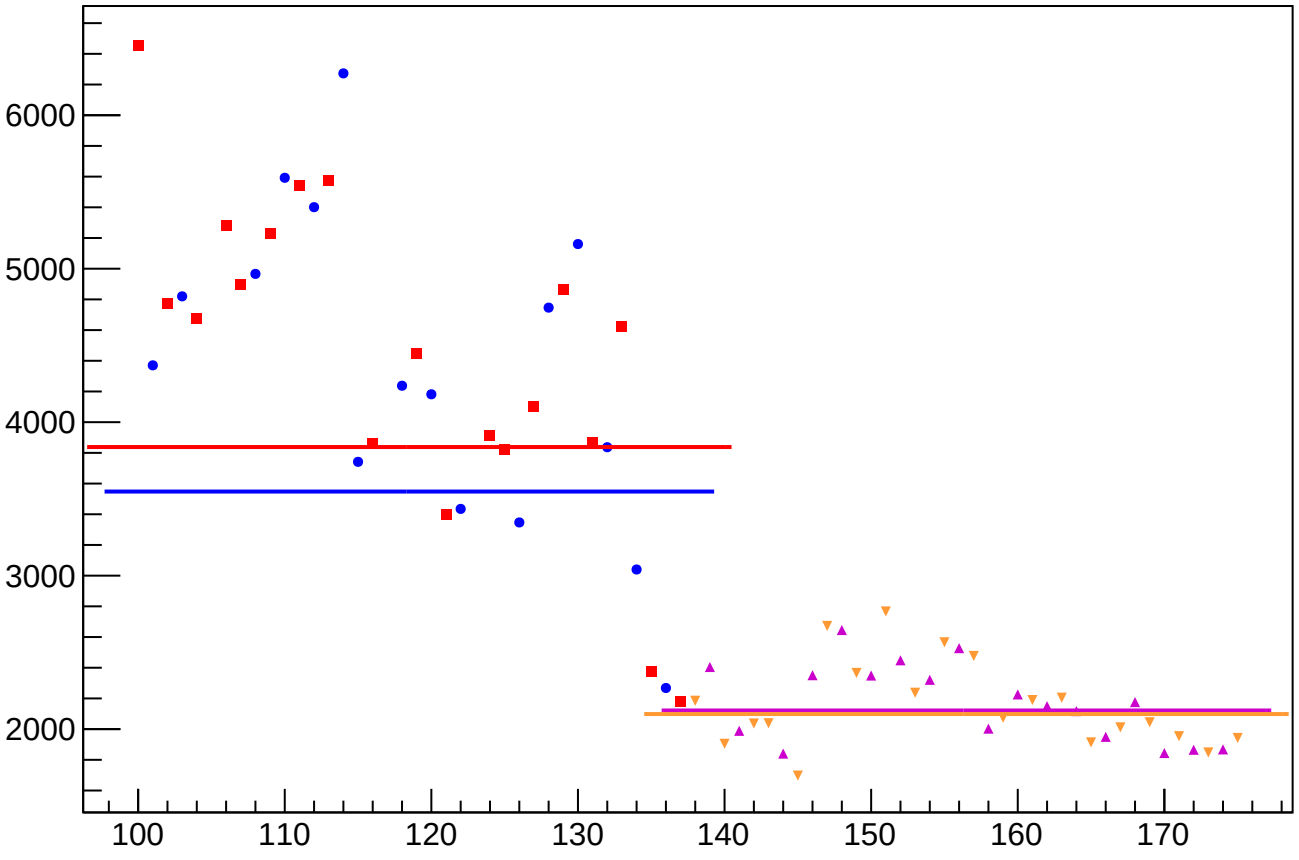
Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -216.904+/-554.775 χ^2/NDF:30.3/17

+ sign -1448.047+/-496.595 χ^2/NDF: 56.7/35

All: -901.649+/-358.683 χ^2/NDF: 104.4/72

- sign -305.687+/-518.630 χ^2/NDF: 45.1/36



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2098.264+/-0.376 χ^2/NDF:476199.9/19

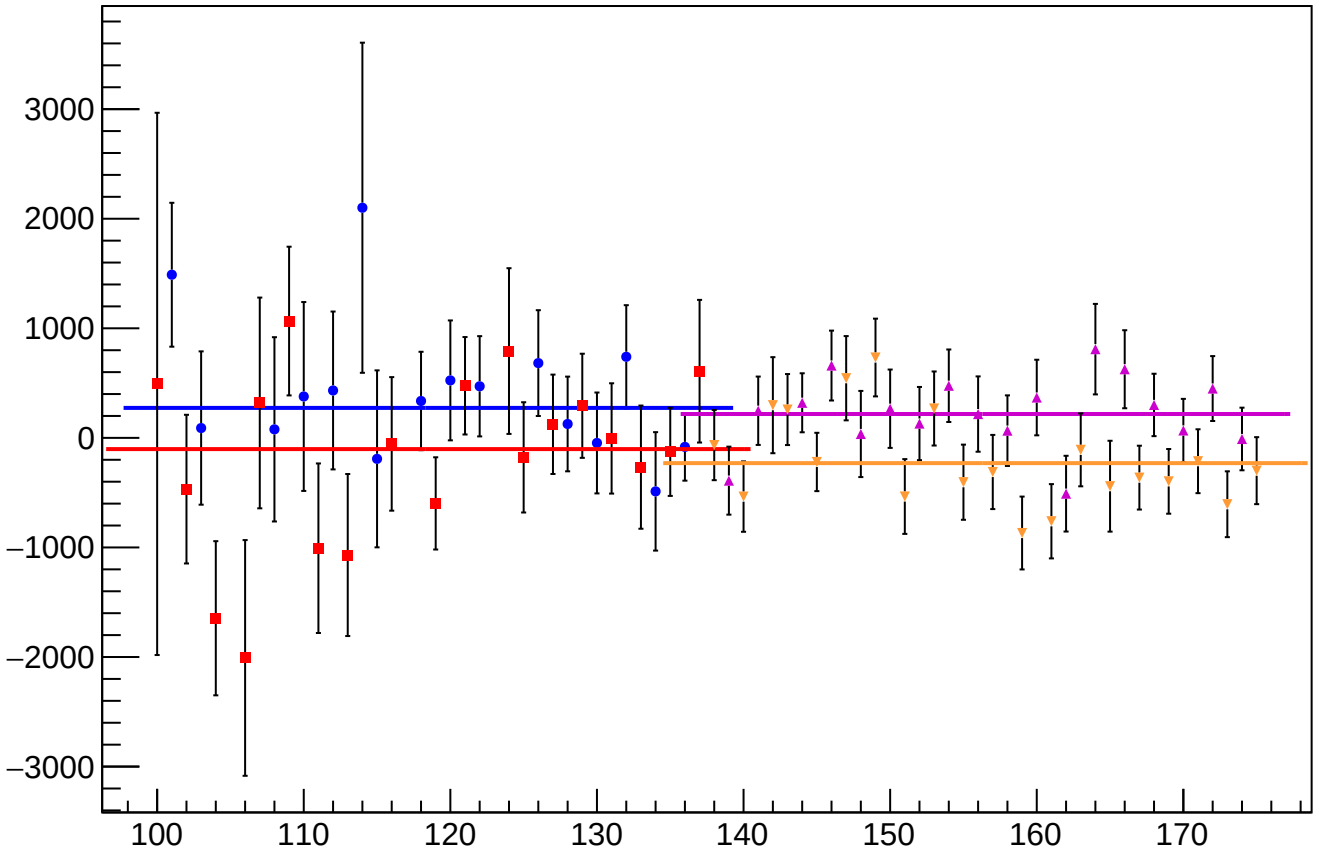
Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2121.444+/-0.392 χ^2/NDF:376379.5/17

+ sign 2284.870+/-0.351 χ^2/NDF: 3646243.9/35

All: 2310.201+/-0.254 χ^2/NDF: 7602983.5/72

- sign 2337.829+/-0.367 χ^2/NDF: 3945860.2/36



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -230.541+/-73.135 χ^2/NDF:28.3/19

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

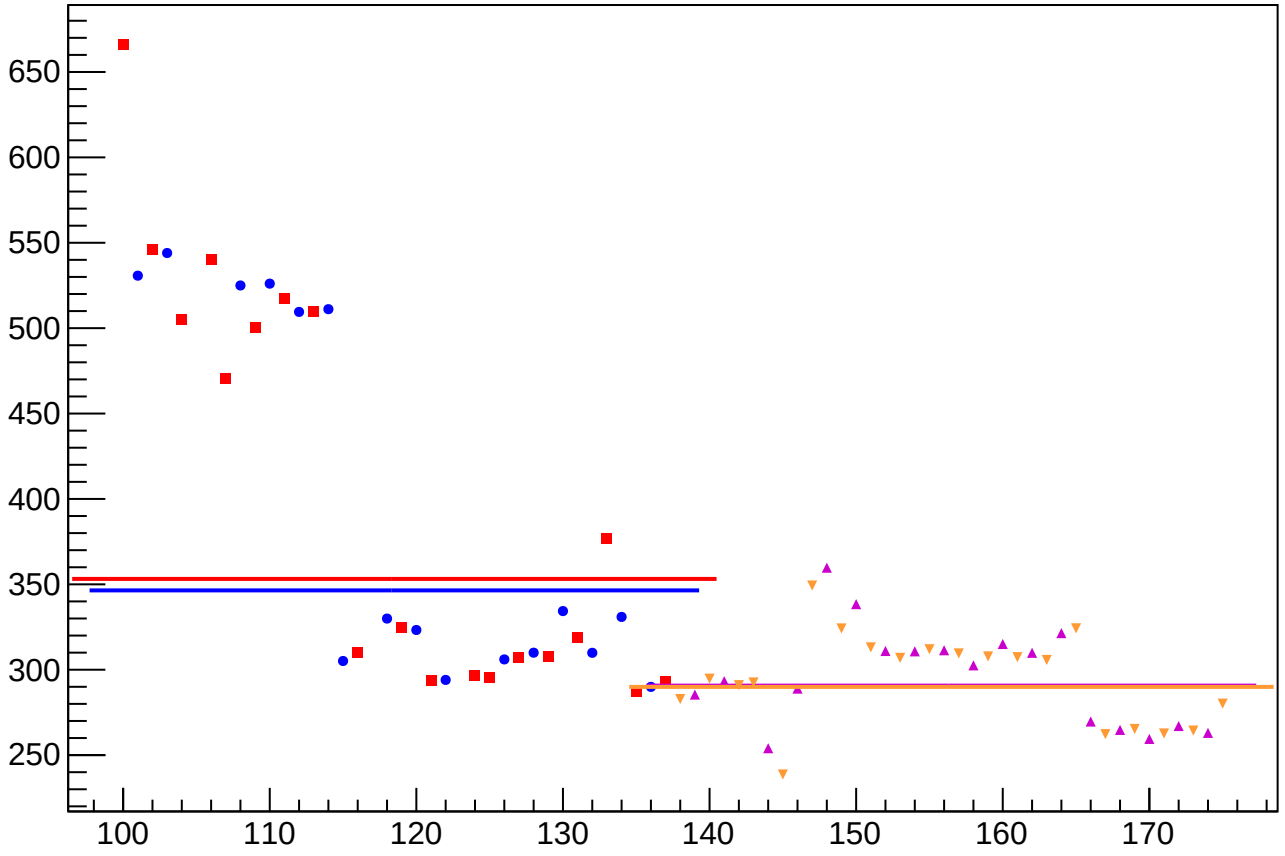
Left In: 217.787+/-75.964 χ^2/NDF:16.6/17

\+ sign -112.867+/-64.033 χ^2/NDF: 50.8/35

All: 9.467+/-45.970 χ^2/NDF: 100.7/72

\- sign 139.574+/-66.036 χ^2/NDF: 42.3/36

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 289.945+/-0.052 χ^2/NDF:266610.4/19

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

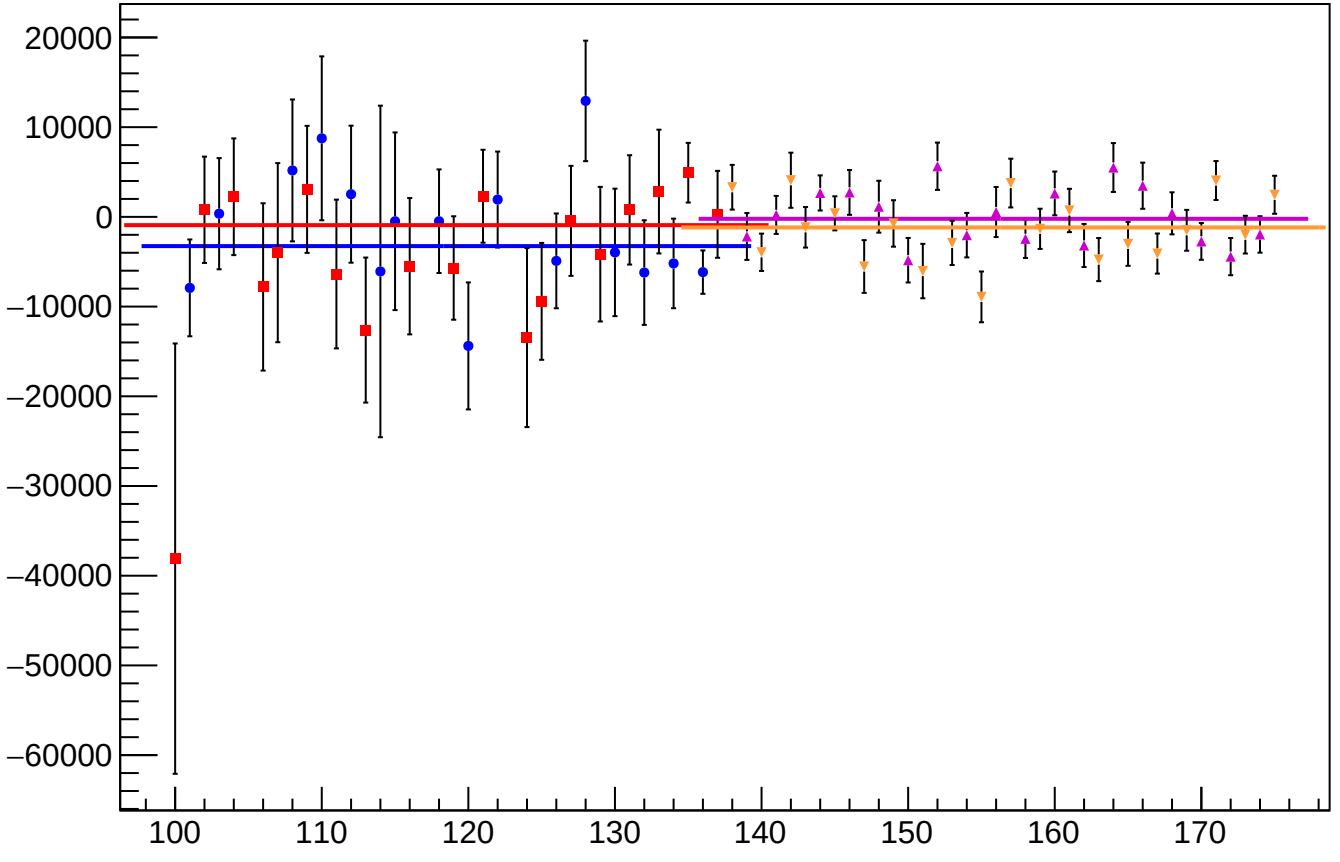
Left In: 290.699+/-0.054 χ^2/NDF:265629.5/17

+ sign 303.135+/-0.045 χ^2/NDF: 1314060.0/35

All: 304.505+/-0.033 χ^2/NDF: 2778434.0/72

- sign 305.962+/-0.047 χ^2/NDF: 1462485.1/36

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1180.528+/-532.015 χ^2/NDF:38.7/19

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

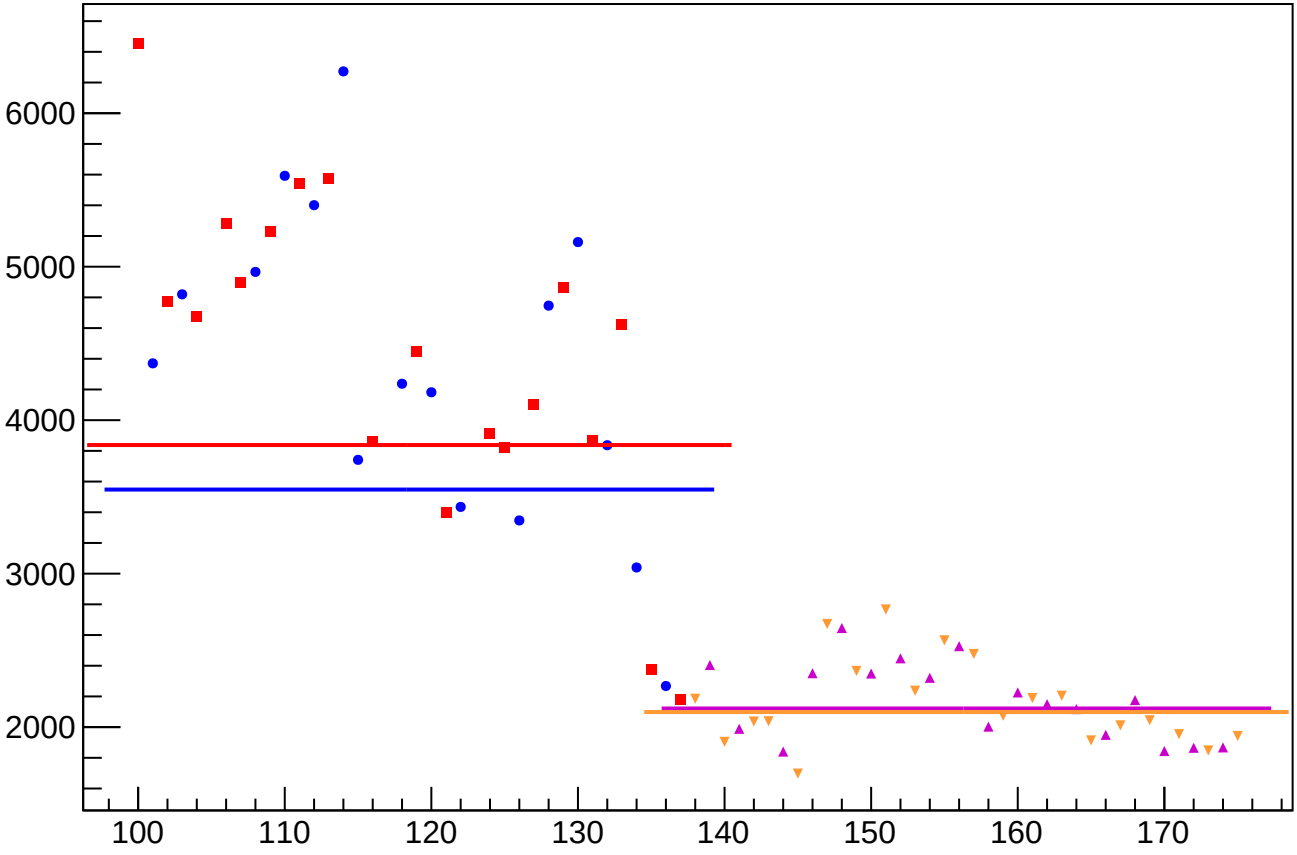
Left In: -216.904+/-554.775 χ^2/NDF:30.3/17

+ sign -1448.047+/-496.595 χ^2/NDF: 56.7/35

All: -901.650+/-358.683 χ^2/NDF: 104.4/72

- sign -305.687+/-518.630 χ^2/NDF: 45.1/36

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2098.264+/-0.376 χ^2/NDF:476204.1/19

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

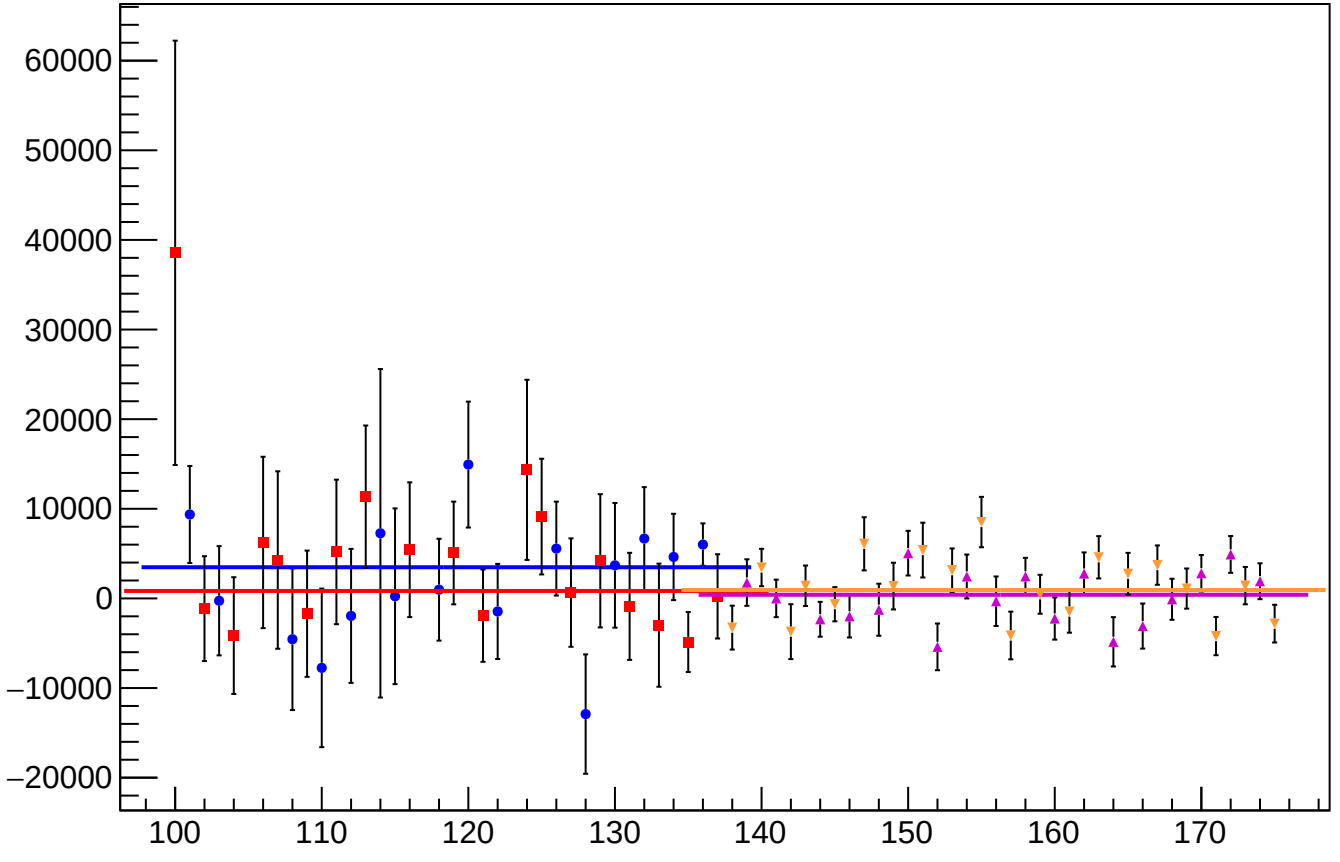
Left In: 2121.444+/-0.392 χ^2/NDF:376380.3/17

+ sign 2284.870+/-0.351 χ^2/NDF: 3646230.6/35

All: 2310.201+/-0.254 χ^2/NDF: 7602954.5/72

- sign 2337.829+/-0.367 χ^2/NDF: 3945844.5/36

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 933.769+/-525.745 χ^2/NDF:39.1/19

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

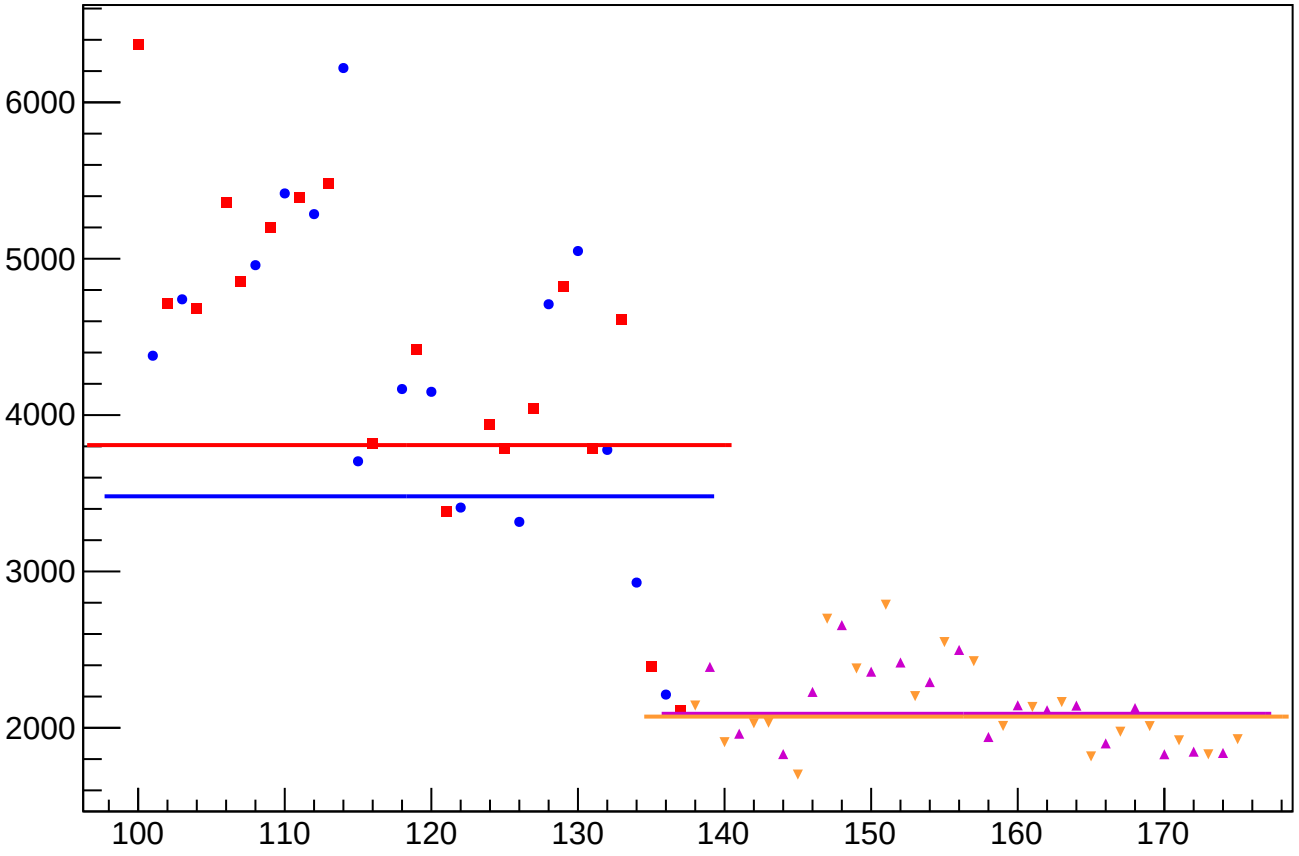
Left In: 407.006+/-546.527 χ^2/NDF:28.5/17

+ sign 1264.449+/-490.396 χ^2/NDF: 58.4/35

All: 879.061+/-353.952 χ^2/NDF: 102.3/72

- sign 459.968+/-511.391 χ^2/NDF: 42.6/36

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2071.732+/-0.372 χ^2/NDF:497411.9/19

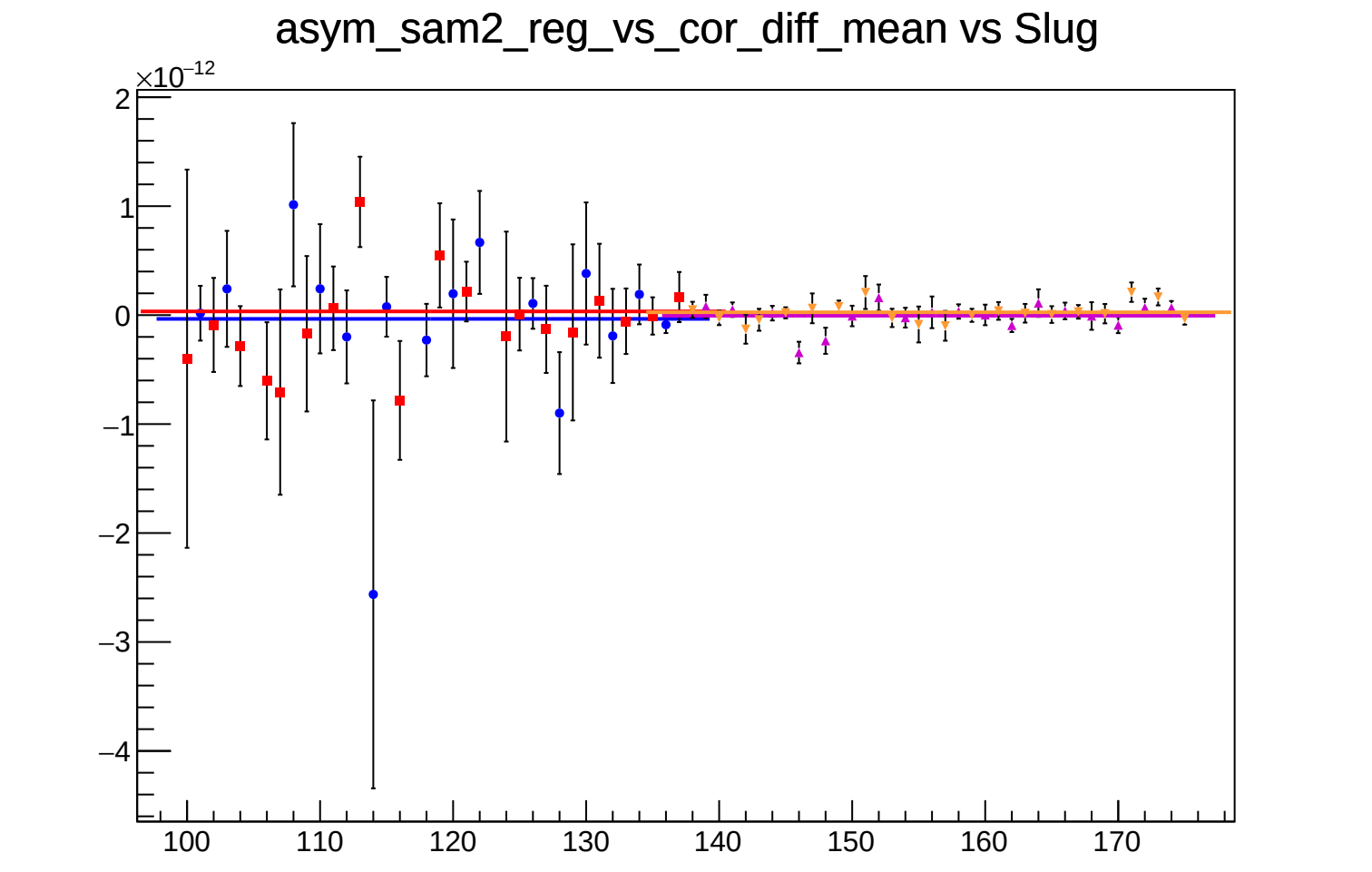
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

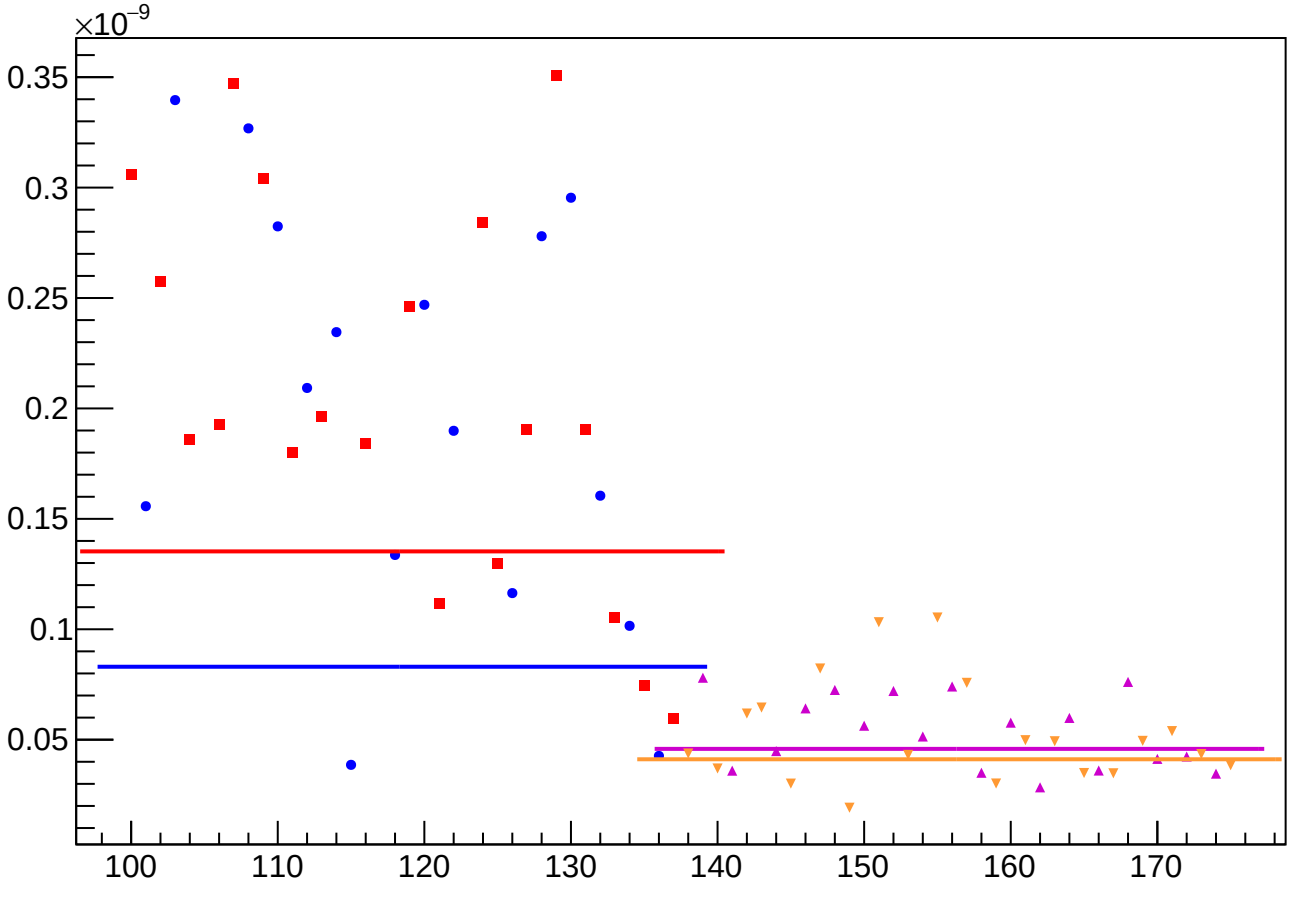
Left In: 2089.647+/-0.386 χ^2/NDF:380465.1/17

+ sign 2254.814+/-0.347 χ^2/NDF: 3660359.1/35

All: 2278.141+/-0.250 χ^2/NDF: 7658703.6/72

- sign 2303.508+/-0.362 χ^2/NDF: 3988898.0/36


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:15.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 13.5/18
Left In: -0.000+/-0.000 χ²/NDF:26.0/17
+ sign 0.000+/-0.000 χ²/NDF: 28.5/35
All: 0.000+/-0.000 χ²/NDF: 69.2/72
- sign -0.000+/-0.000 χ²/NDF: 39.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1725798.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

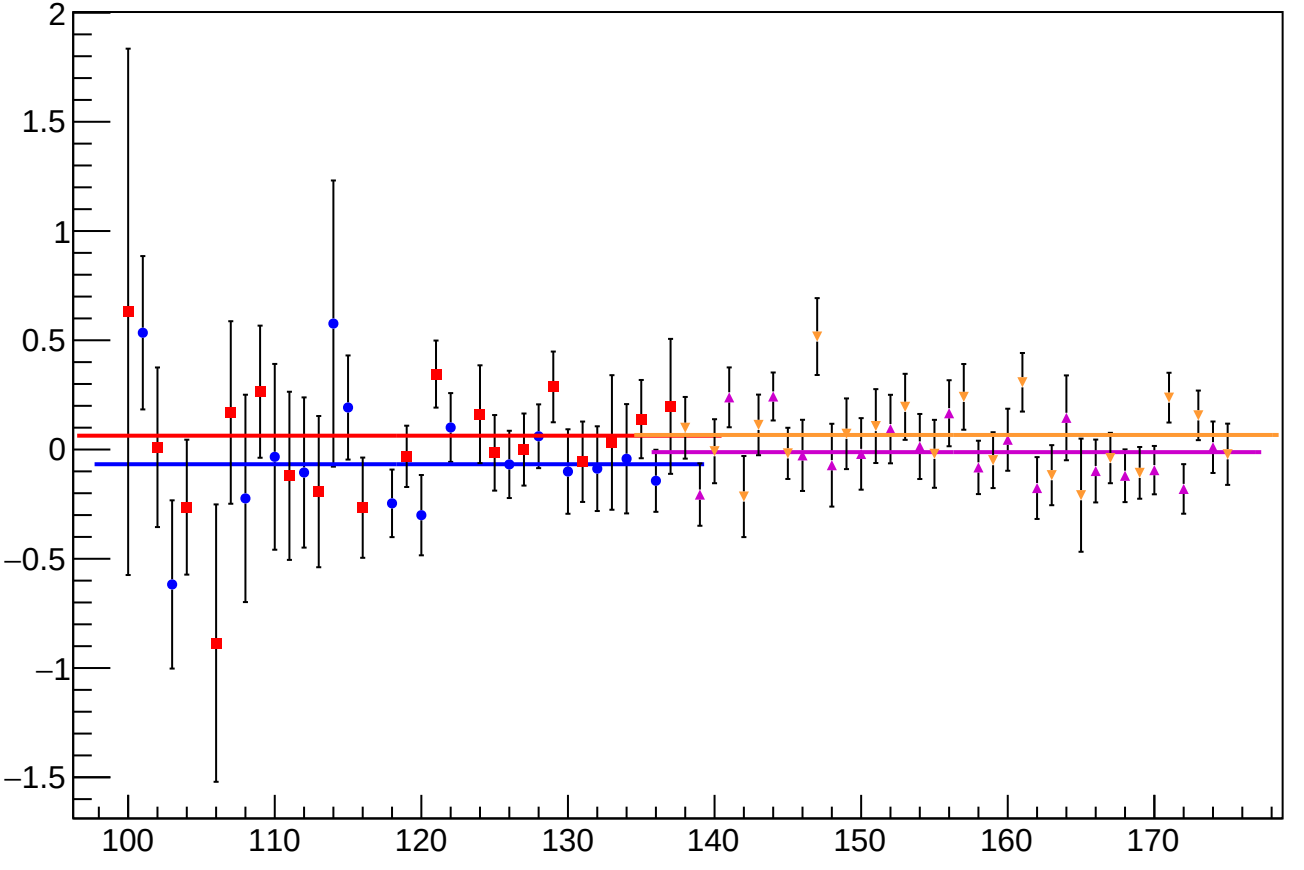
Left In: 0.000+/-0.000 χ^2/NDF:1096411.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 5312100.9/35

All: 0.000+/-0.000 χ^2/NDF: 10034295.6/72

- sign 0.000+/-0.000 χ^2/NDF: 4605431.8/36

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.067+/-0.031 χ^2/NDF:25.5/19

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

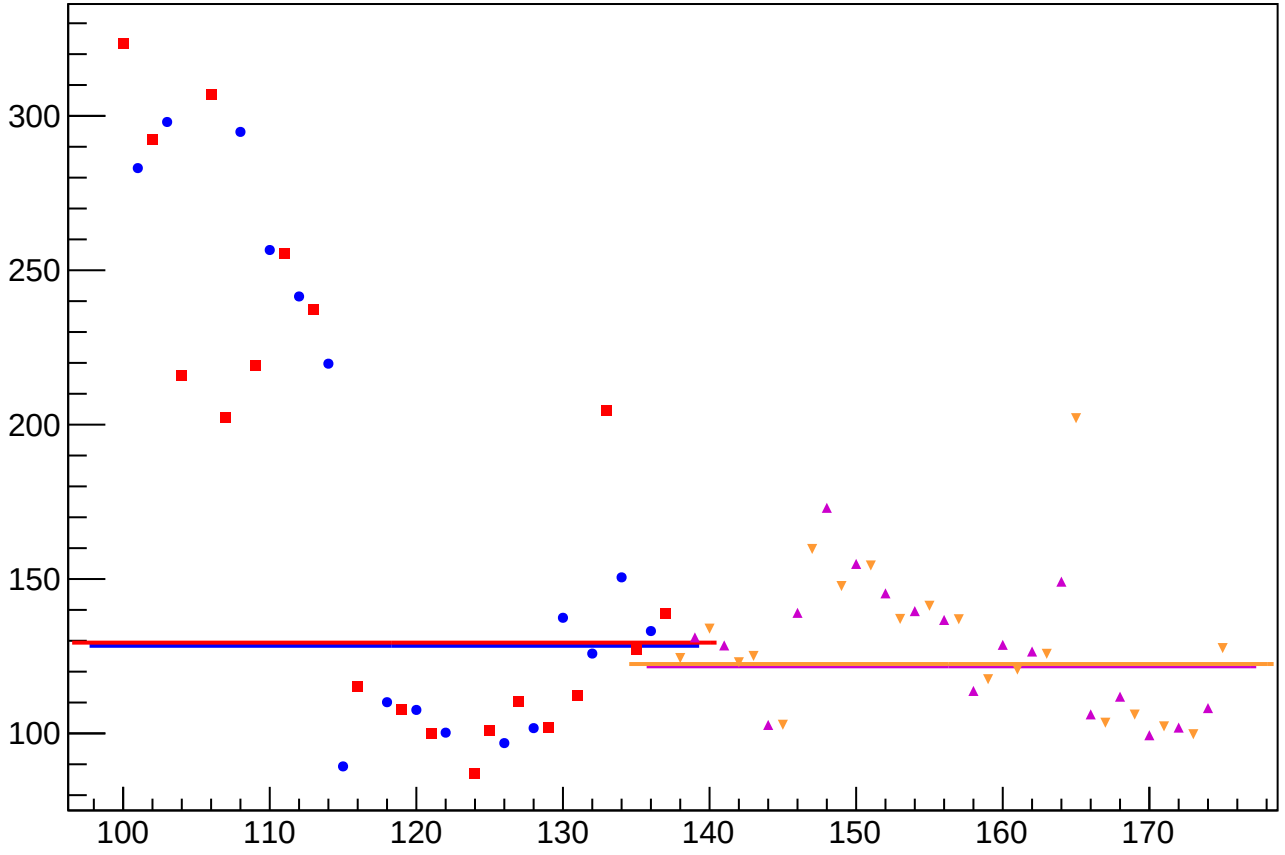
Left In: -0.012+/-0.032 χ^2/NDF:19.0/17

+ sign 0.031+/-0.027 χ^2/NDF: 42.8/35

All: 0.020+/-0.019 χ^2/NDF: 77.7/72

- sign 0.009+/-0.027 χ^2/NDF: 34.6/36

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.470+/-0.022 χ^2/NDF:778382.4/19

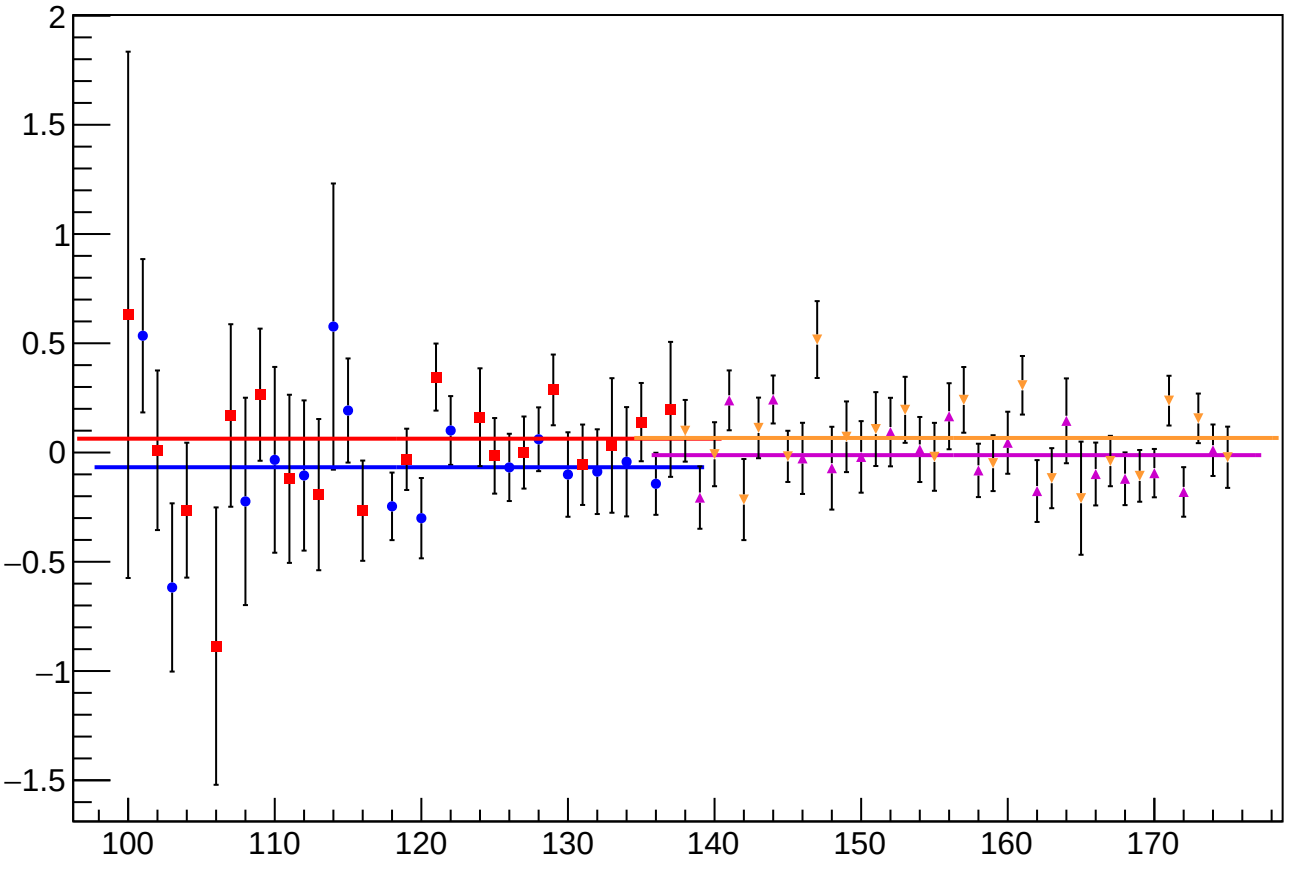
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.730+/-0.023 χ^2/NDF:679916.6/17

+ sign 124.050+/-0.019 χ^2/NDF: 2602555.0/35

All: 123.970+/-0.014 χ^2/NDF: 5202507.9/72

- sign 123.887+/-0.019 χ^2/NDF: 2599916.4/36



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.067+/-0.031 χ^2/NDF:25.5/19

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

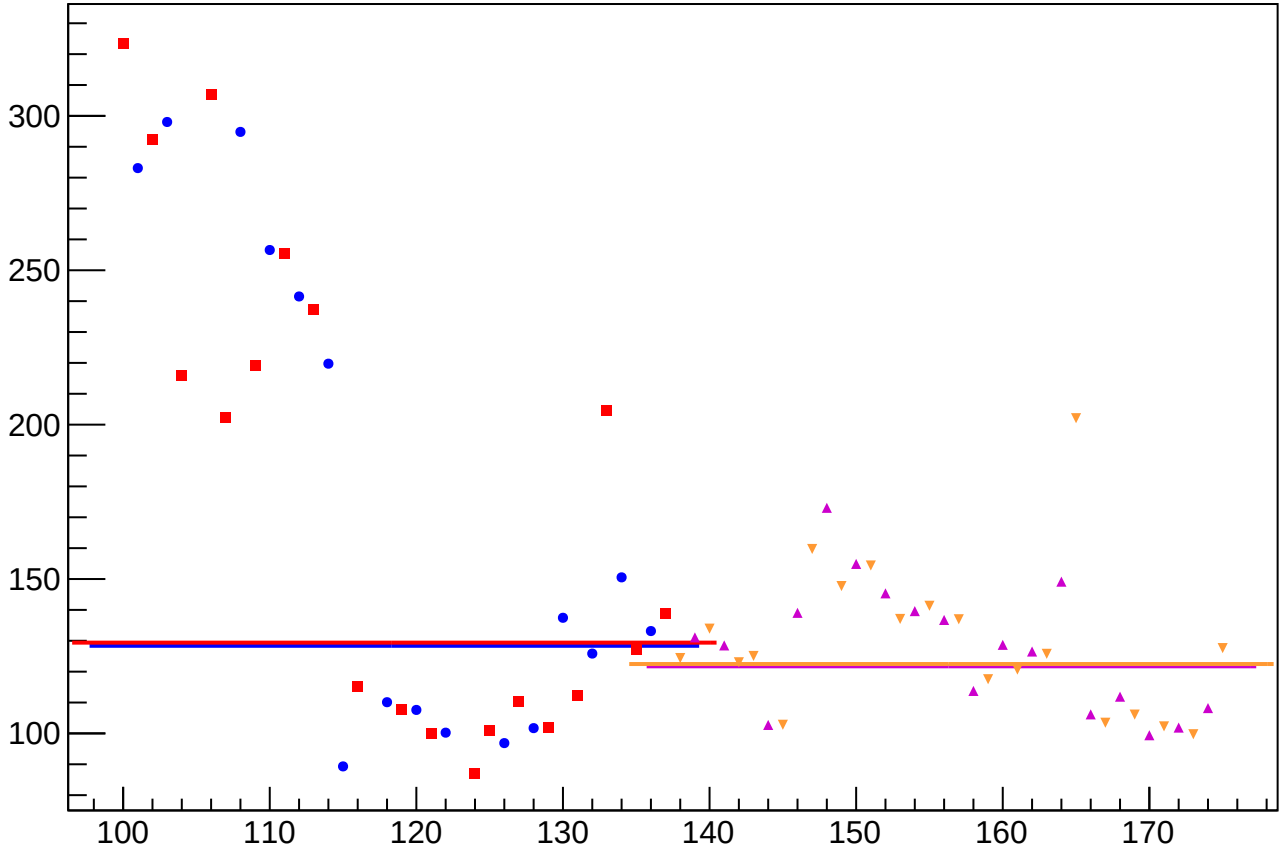
Left In: -0.012+/-0.032 χ^2/NDF:19.0/17

+ sign 0.031+/-0.027 χ^2/NDF: 42.8/35

All: 0.020+/-0.019 χ^2/NDF: 77.7/72

- sign 0.009+/-0.027 χ^2/NDF: 34.6/36

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.470+/-0.022 χ^2/NDF:778382.4/19

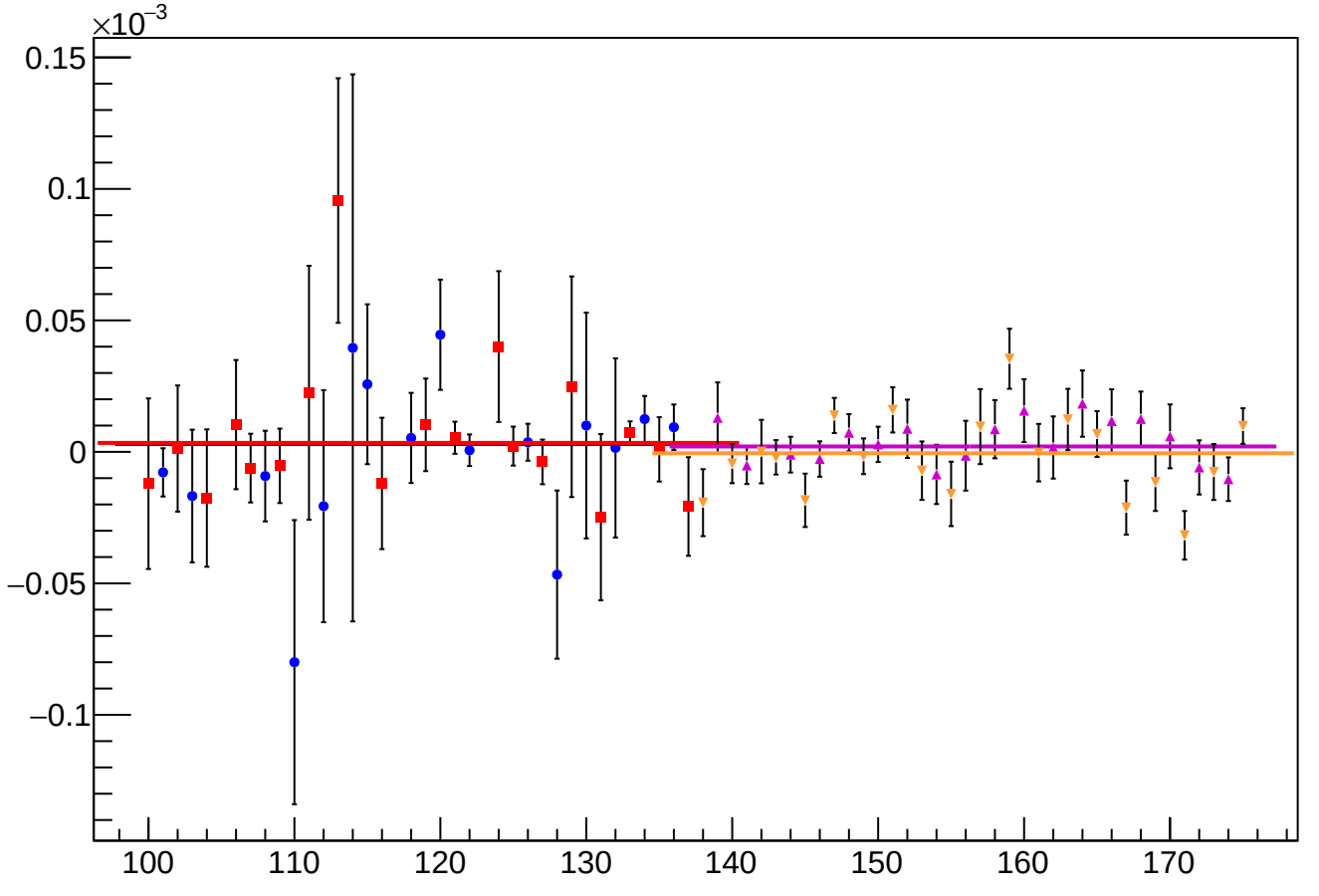
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.730+/-0.023 χ^2/NDF:679916.6/17

+ sign 124.050+/-0.019 χ^2/NDF: 2602555.0/35

All: 123.970+/-0.014 χ^2/NDF: 5202507.9/72

- sign 123.887+/-0.019 χ^2/NDF: 2599916.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:47.5/19

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

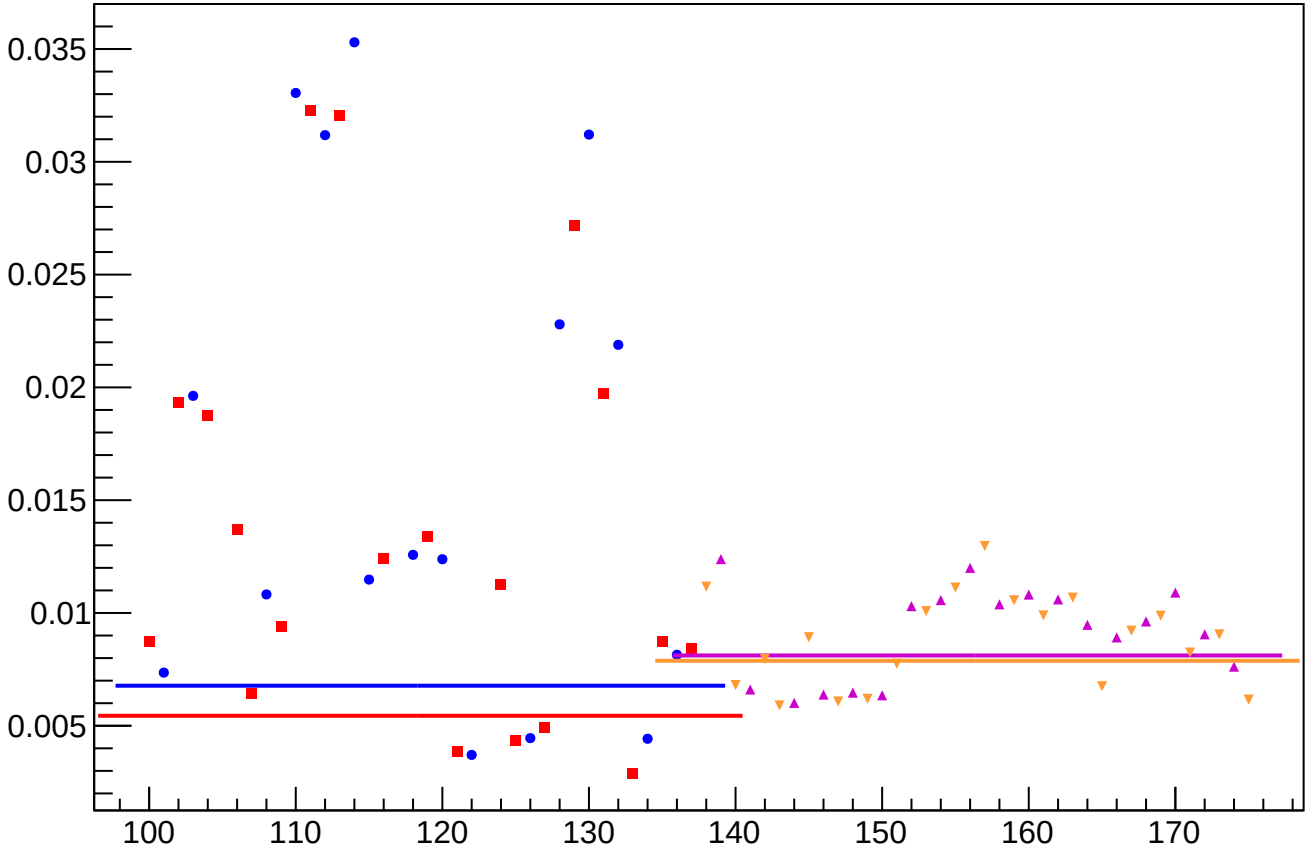
Left In: 0.000+/-0.000 χ^2/NDF:12.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 62.5/35

All: 0.000+/-0.000 χ^2/NDF: 88.2/72

- sign 0.000+/-0.000 χ^2/NDF: 25.0/36

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1706852.0/19

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

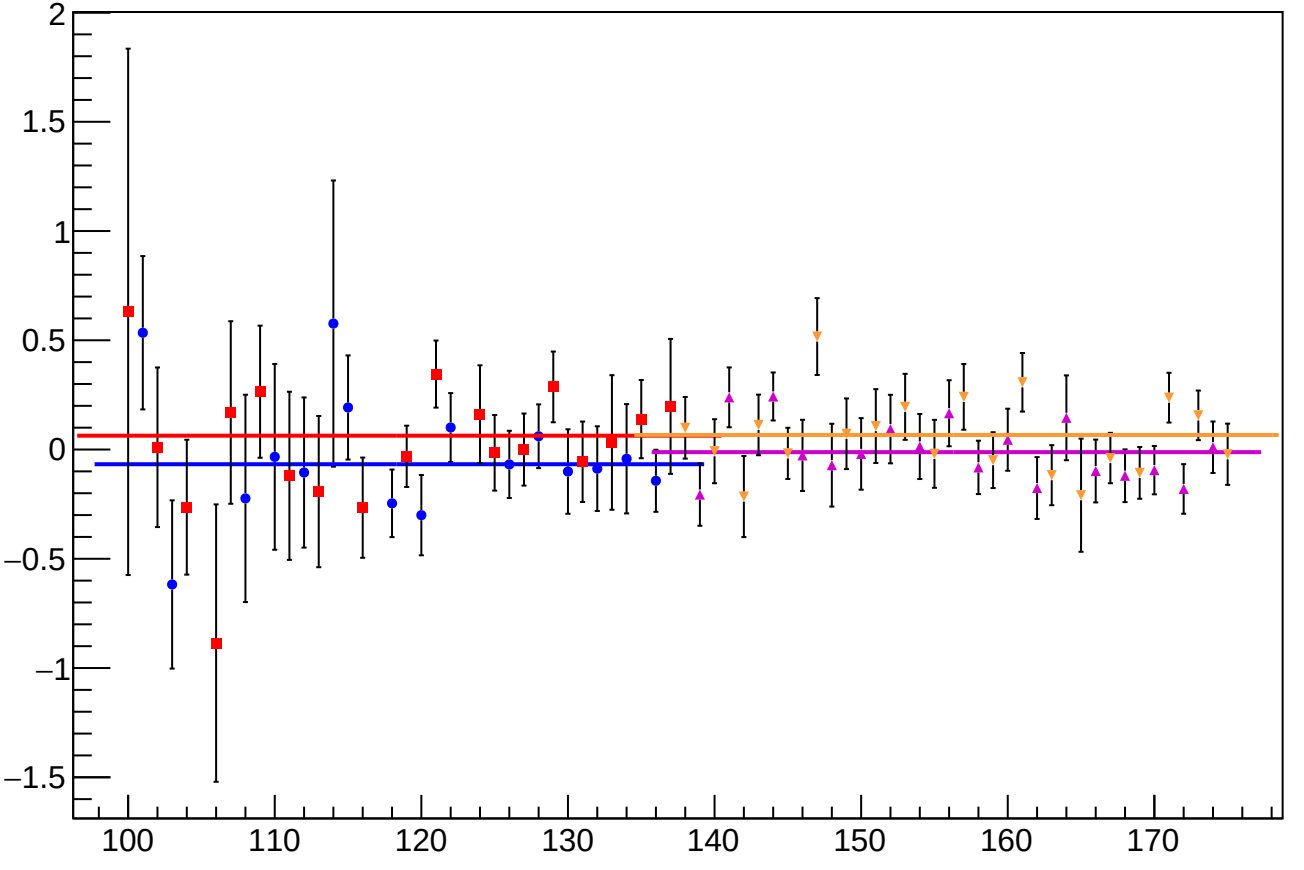
Left In: 0.008+/-0.000 χ^2/NDF:1686368.2/17

+ sign 0.008+/-0.000 χ^2/NDF: 6653088.3/35

All: 0.007+/-0.000 χ^2/NDF: 15256711.6/72

- sign 0.007+/-0.000 χ^2/NDF: 8499738.8/36

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.067+/-0.031 χ^2/NDF:25.5/19

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

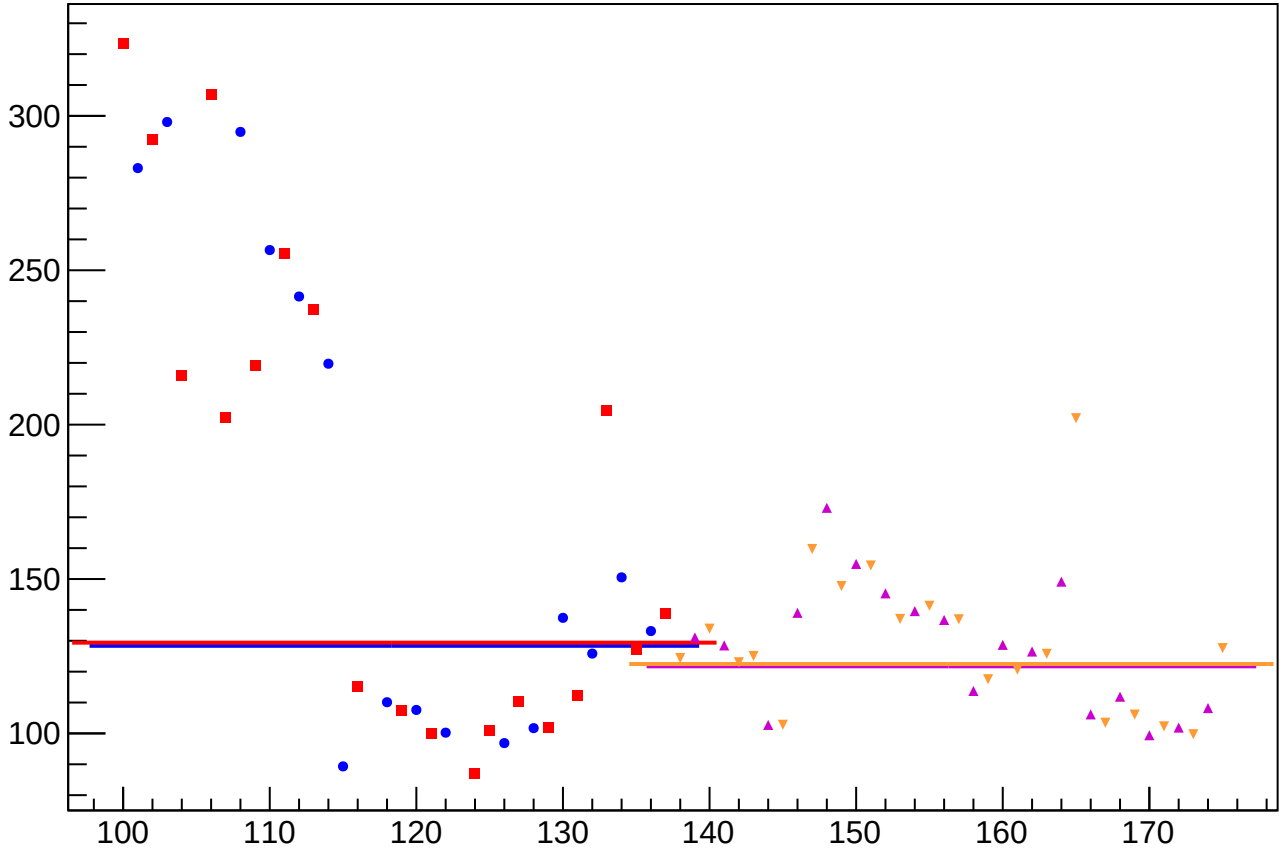
Left In: -0.012+/-0.032 χ^2/NDF:19.0/17

+ sign 0.031+/-0.027 χ^2/NDF: 42.8/35

All: 0.020+/-0.019 χ^2/NDF: 77.7/72

- sign 0.009+/-0.027 χ^2/NDF: 34.6/36

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.470+/-0.022 χ^2/NDF:778428.2/19

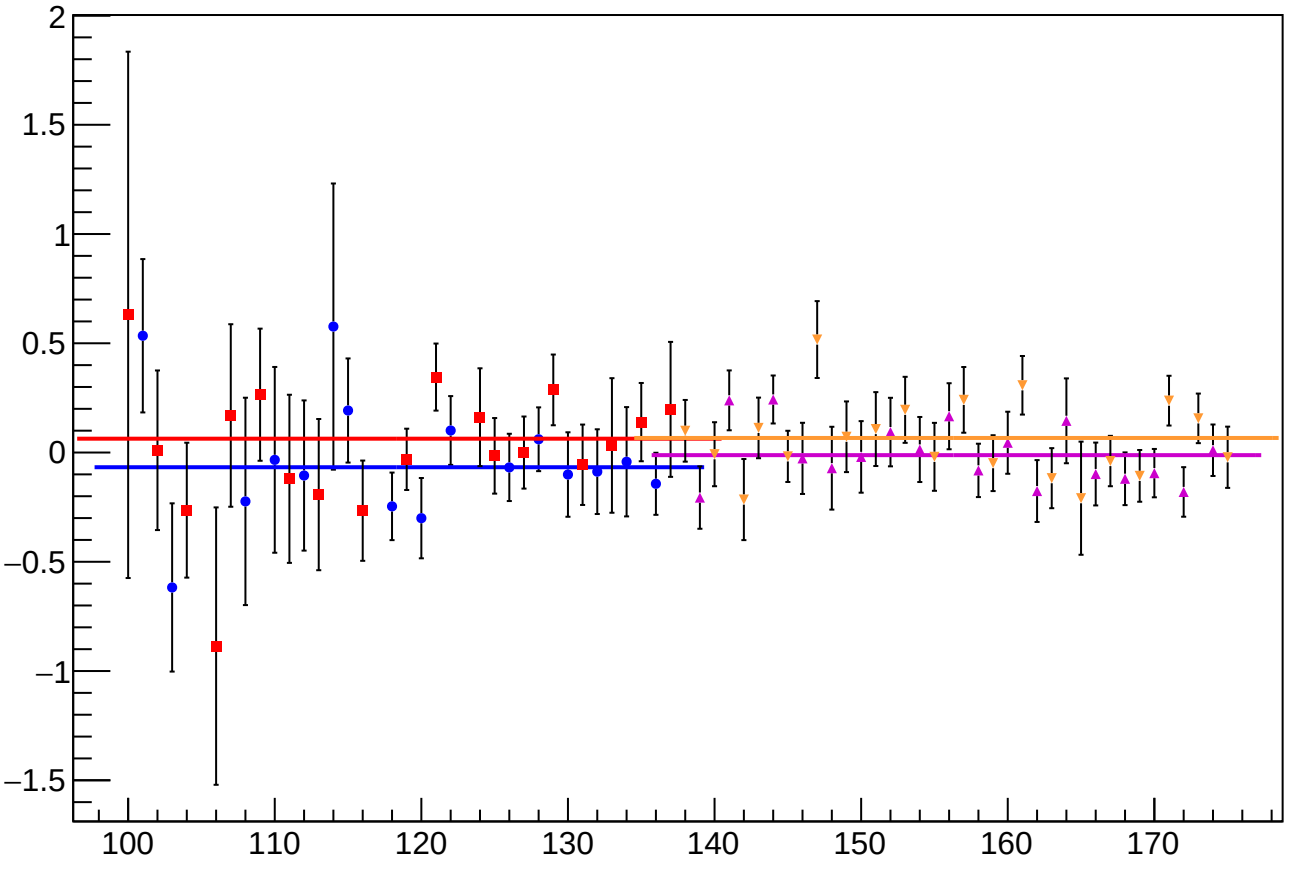
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.730+/-0.023 χ^2/NDF:679942.7/17

+ sign 124.049+/-0.019 χ^2/NDF: 2602532.0/35

All: 123.969+/-0.014 χ^2/NDF: 5202489.6/72

- sign 123.886+/-0.019 χ^2/NDF: 2599921.1/36



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.067+/-0.031 χ^2/NDF:25.5/19

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

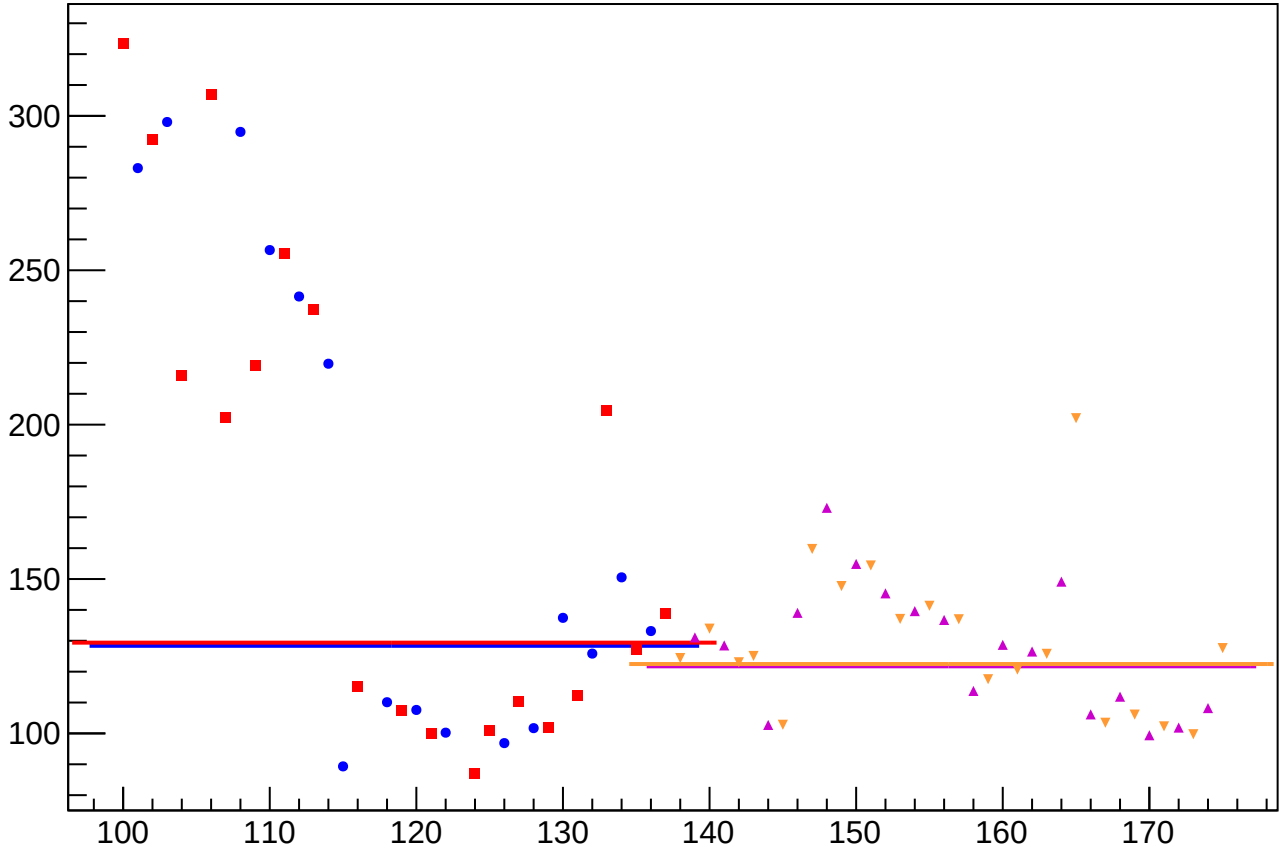
Left In: -0.012+/-0.032 χ^2/NDF:19.0/17

+ sign 0.031+/-0.027 χ^2/NDF: 42.8/35

All: 0.020+/-0.019 χ^2/NDF: 77.7/72

- sign 0.009+/-0.027 χ^2/NDF: 34.6/36

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.470+/-0.022 χ^2/NDF:778428.2/19

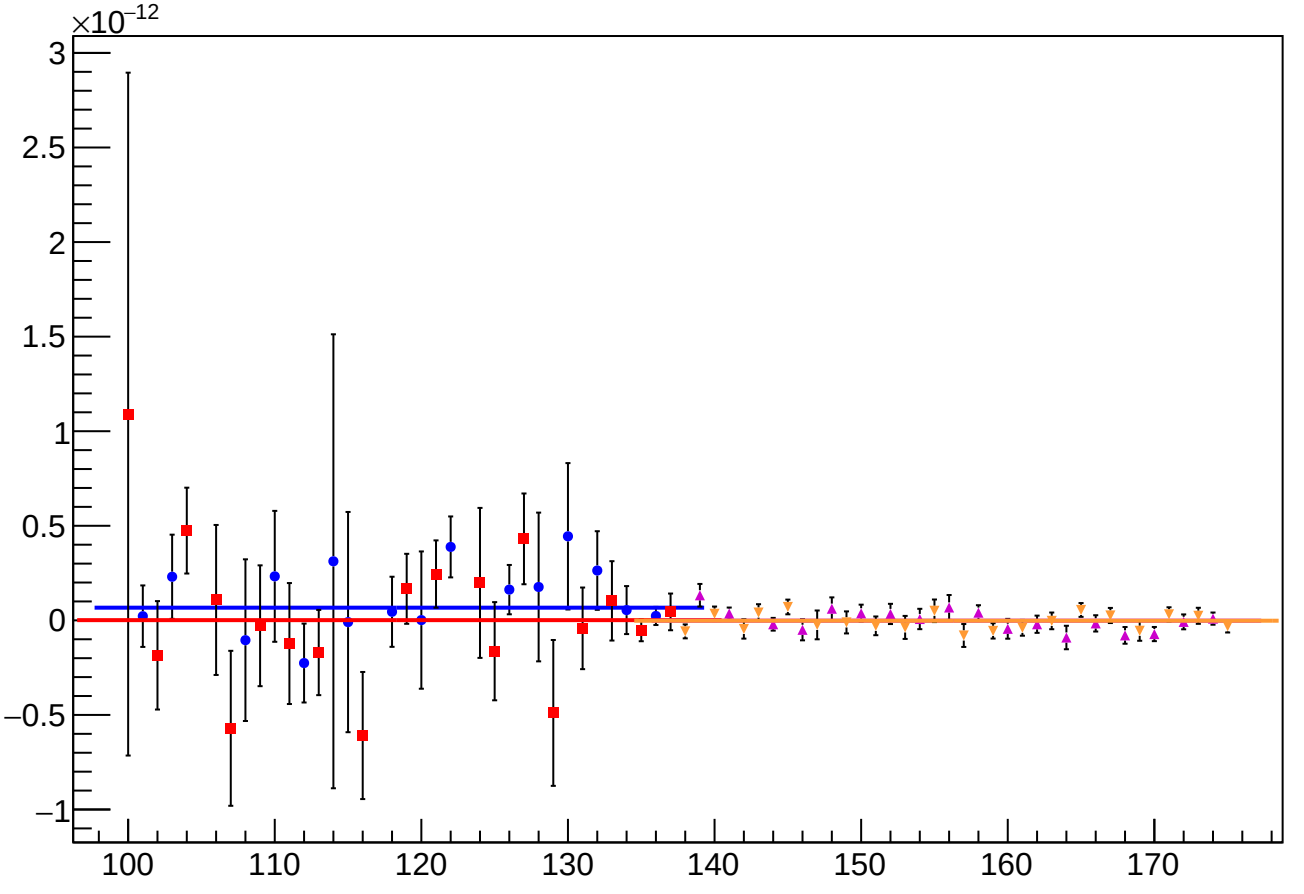
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.730+/-0.023 χ^2/NDF:679942.7/17

+ sign 124.049+/-0.019 χ^2/NDF: 2602532.0/35

All: 123.969+/-0.014 χ^2/NDF: 5202489.6/72

- sign 123.886+/-0.019 χ^2/NDF: 2599921.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/19

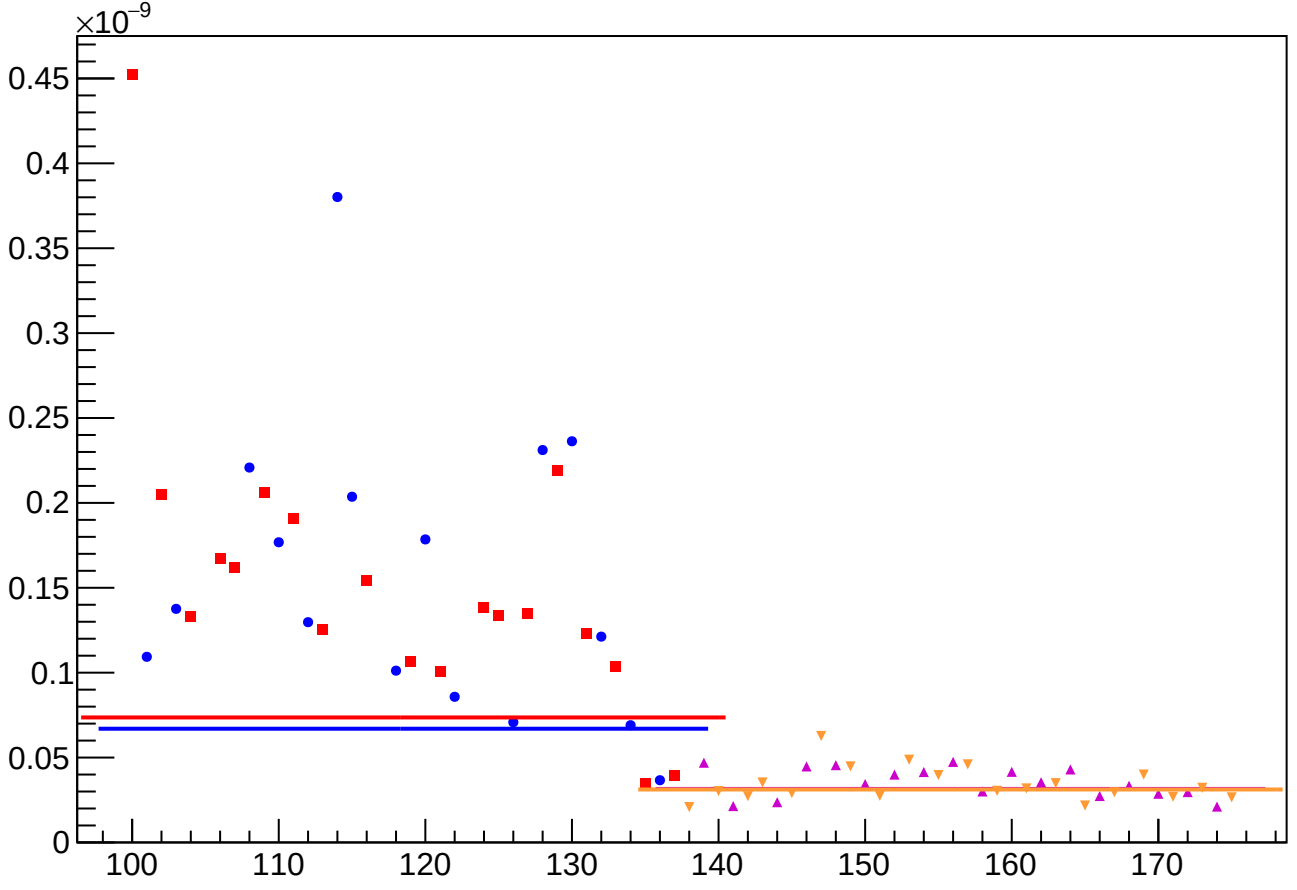
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 33.9/35

All: 0.000+/-0.000 χ^2/NDF: 76.5/72

- sign -0.000+/-0.000 χ^2/NDF: 42.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1258584.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

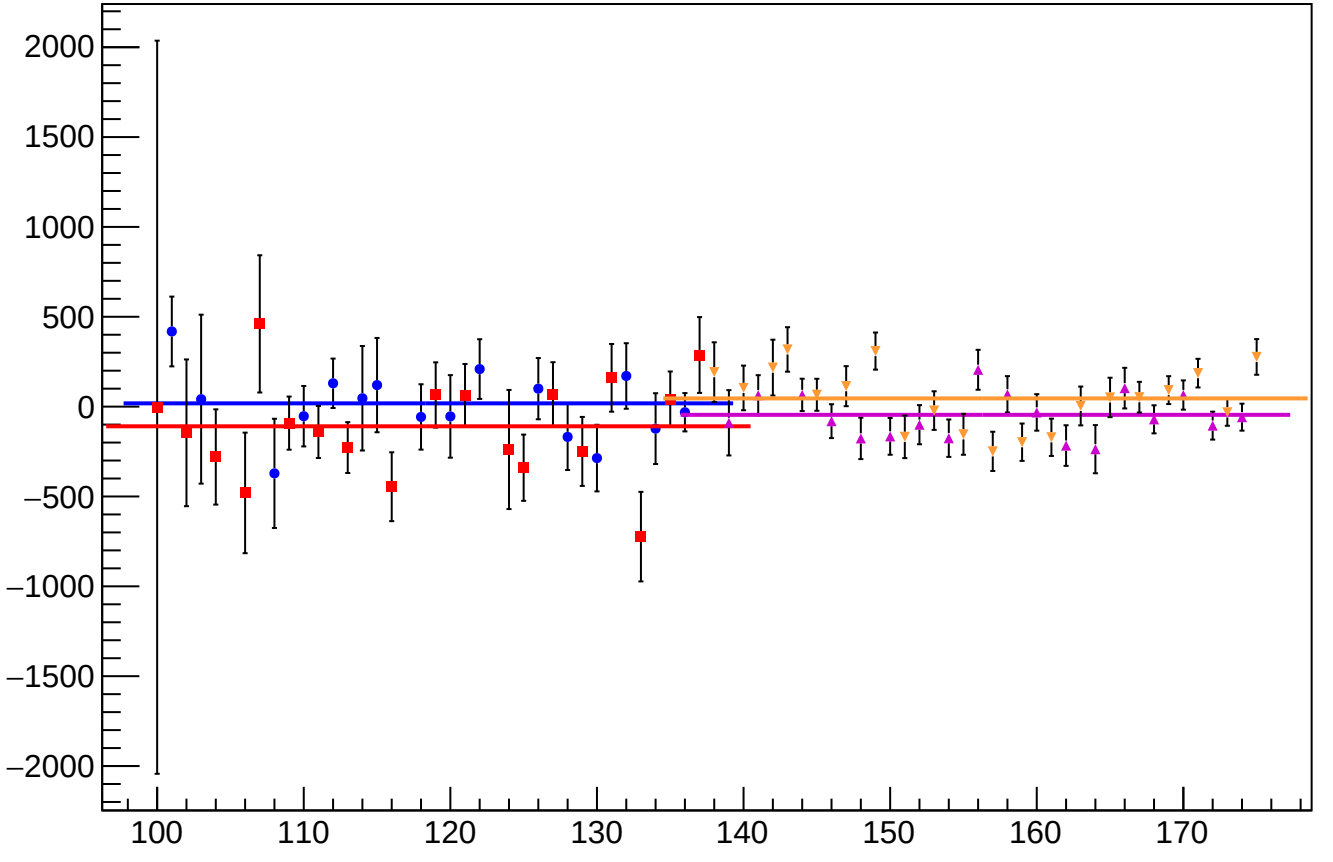
Left In: 0.000+/-0.000 χ^2/NDF:1316976.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 6267382.3/35

All: 0.000+/-0.000 χ^2/NDF: 13378800.0/72

- sign 0.000+/-0.000 χ^2/NDF: 7107907.3/36

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 45.682+/-22.803 χ^2/NDF:48.0/19

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

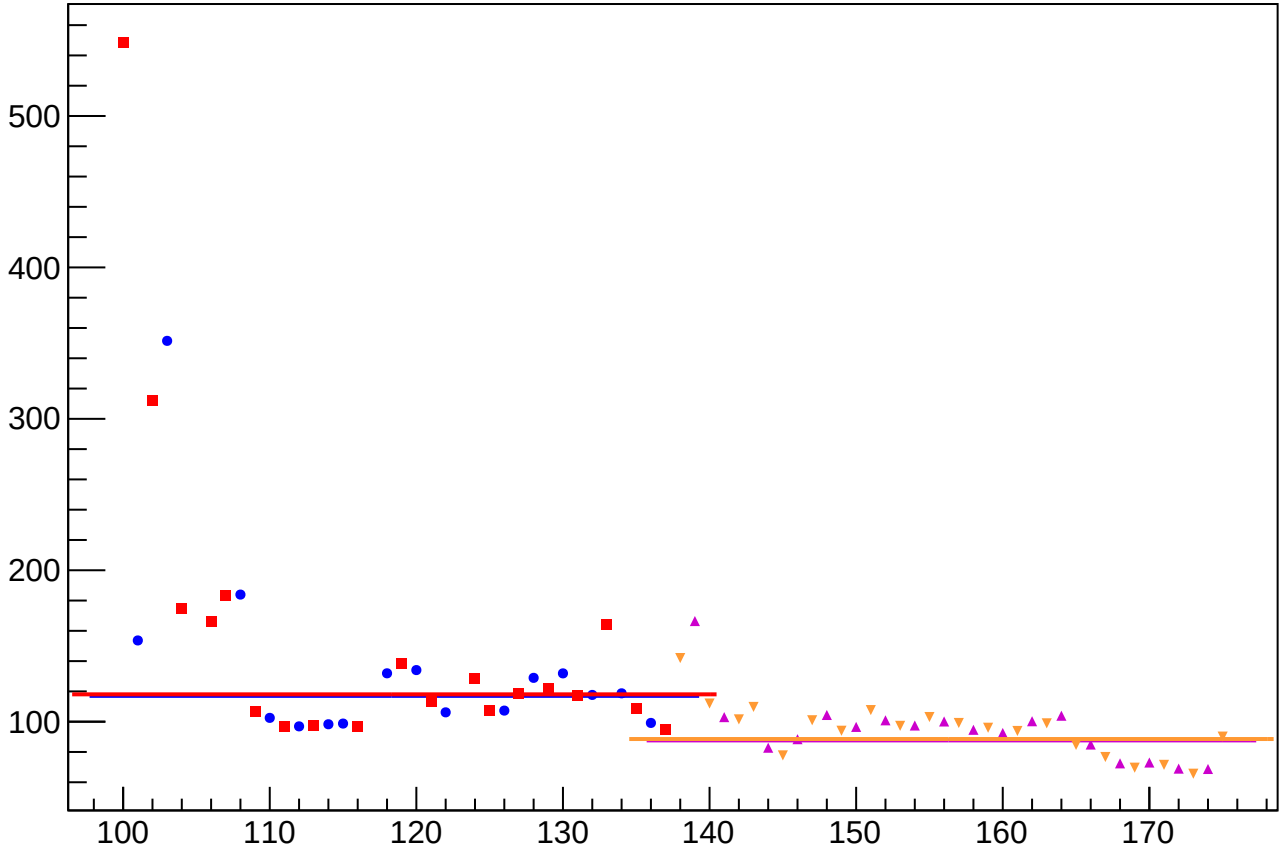
Left In: -45.733+/-23.313 χ^2/NDF:22.2/17

+ sign 40.205+/-20.404 χ^2/NDF: 62.1/35

All: -8.413+/-14.558 χ^2/NDF: 122.9/72

- sign -58.830+/-20.778 χ^2/NDF: 49.2/36

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 88.550+/-0.016 χ^2/NDF:1001780.5/19

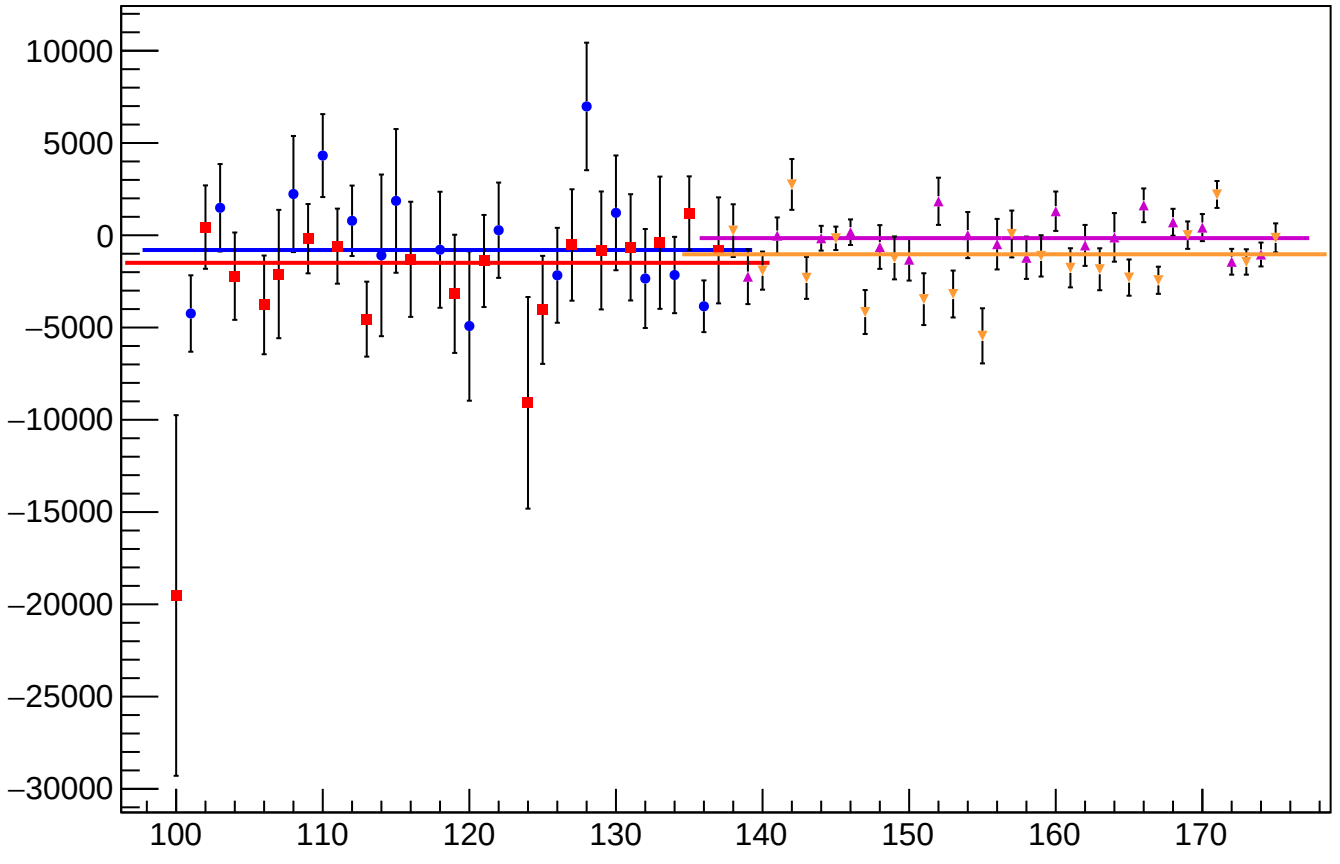
Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 87.642+/-0.016 χ^2/NDF:1001970.3/17

+ sign 94.233+/-0.014 χ^2/NDF: 2483415.4/35

All: 94.067+/-0.010 χ^2/NDF: 5176341.8/72

- sign 93.895+/-0.015 χ^2/NDF: 2692657.5/36



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1030.317+/-215.197 χ^2/NDF:64.2/19

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

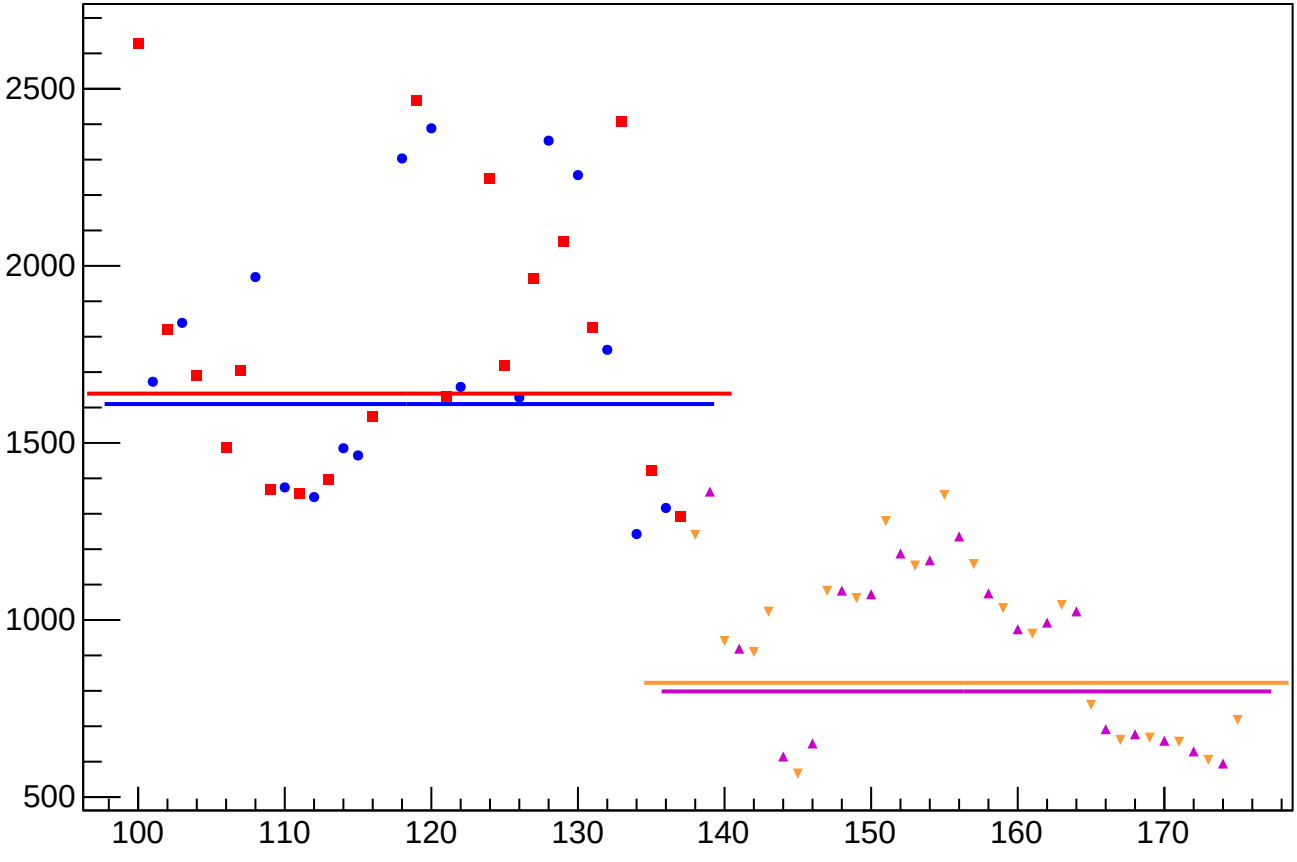
Left In: -154.869+/-215.937 χ^2/NDF:19.8/17

+ sign -1005.172+/-203.157 χ^2/NDF: 87.7/35

All: -654.799+/-143.836 χ^2/NDF: 130.6/72

- sign -302.644+/-203.673 χ^2/NDF: 36.9/36

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 822.699+/-0.152 χ^2/NDF:2221064.6/19

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

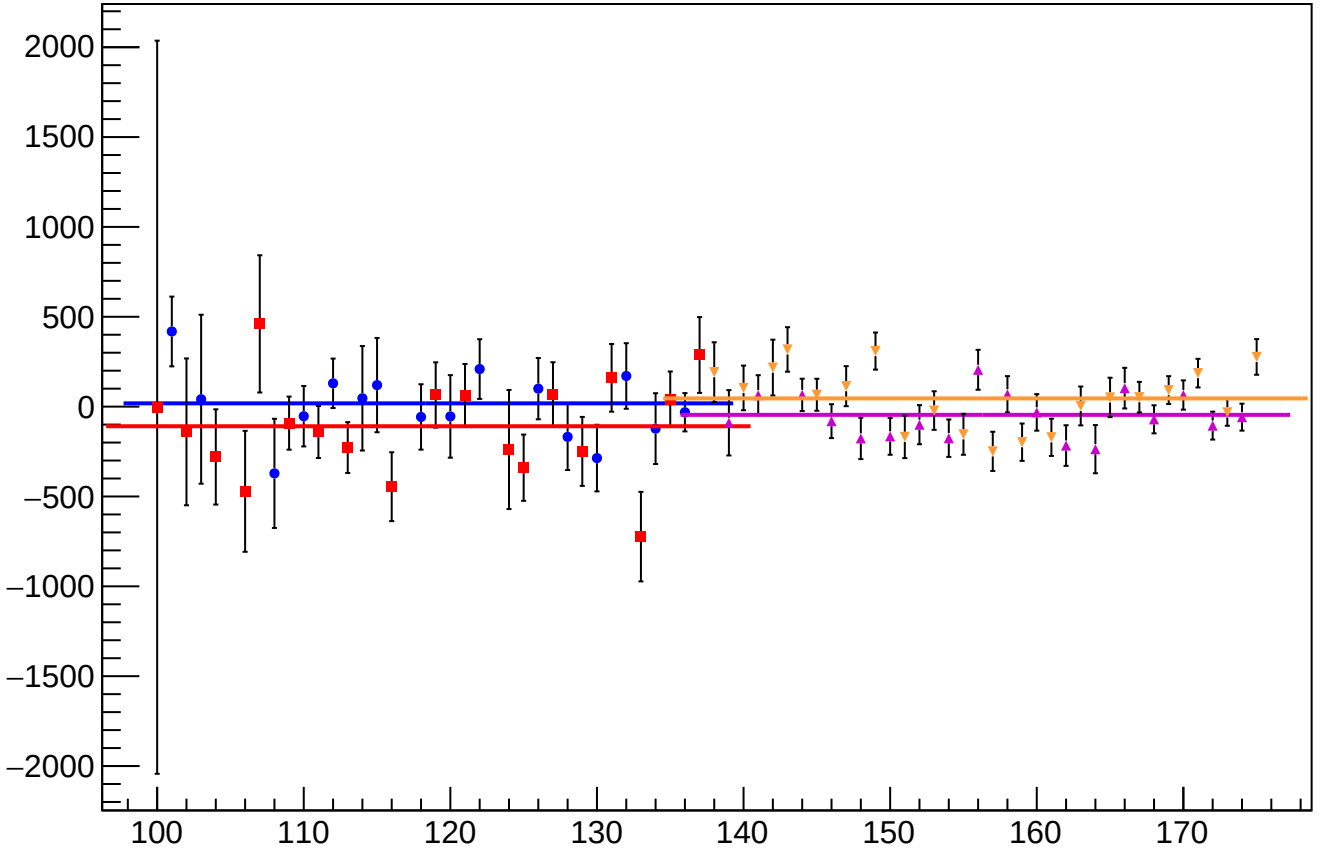
Left In: 798.322+/-0.153 χ^2/NDF:2115625.5/17

+ sign 908.306+/-0.144 χ^2/NDF: 5750163.2/35

All: 899.738+/-0.102 χ^2/NDF: 11740404.4/72

- sign 891.125+/-0.144 χ^2/NDF: 5983107.4/36

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 45.686+/-22.803 χ^2/NDF:48.0/19

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

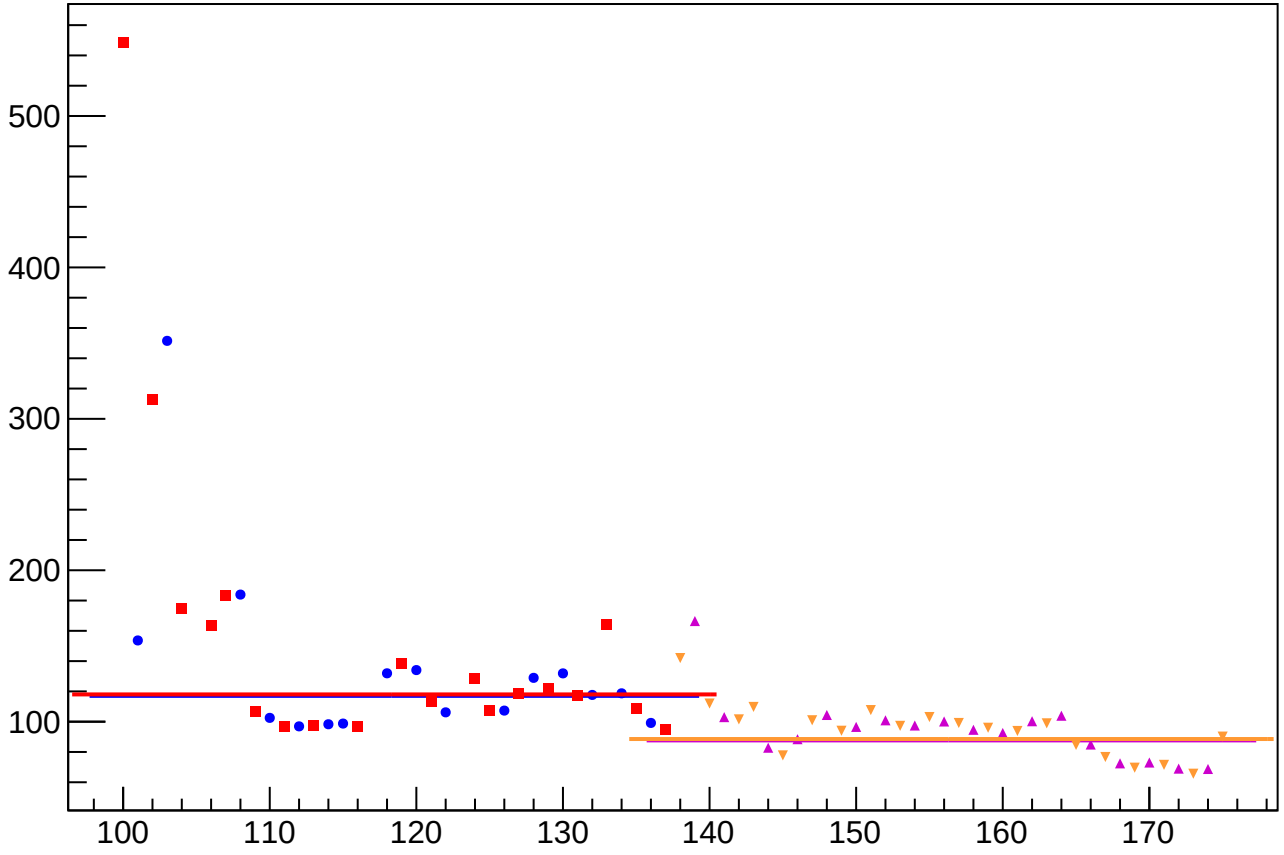
Left In: -45.734+/-23.313 χ^2/NDF:22.1/17

+ sign 40.206+/-20.404 χ^2/NDF: 62.1/35

All: -8.383+/-14.559 χ^2/NDF: 122.8/72

- sign -58.771+/-20.779 χ^2/NDF: 49.1/36

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 88.550+/-0.016 χ^2/NDF:1001780.4/19

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

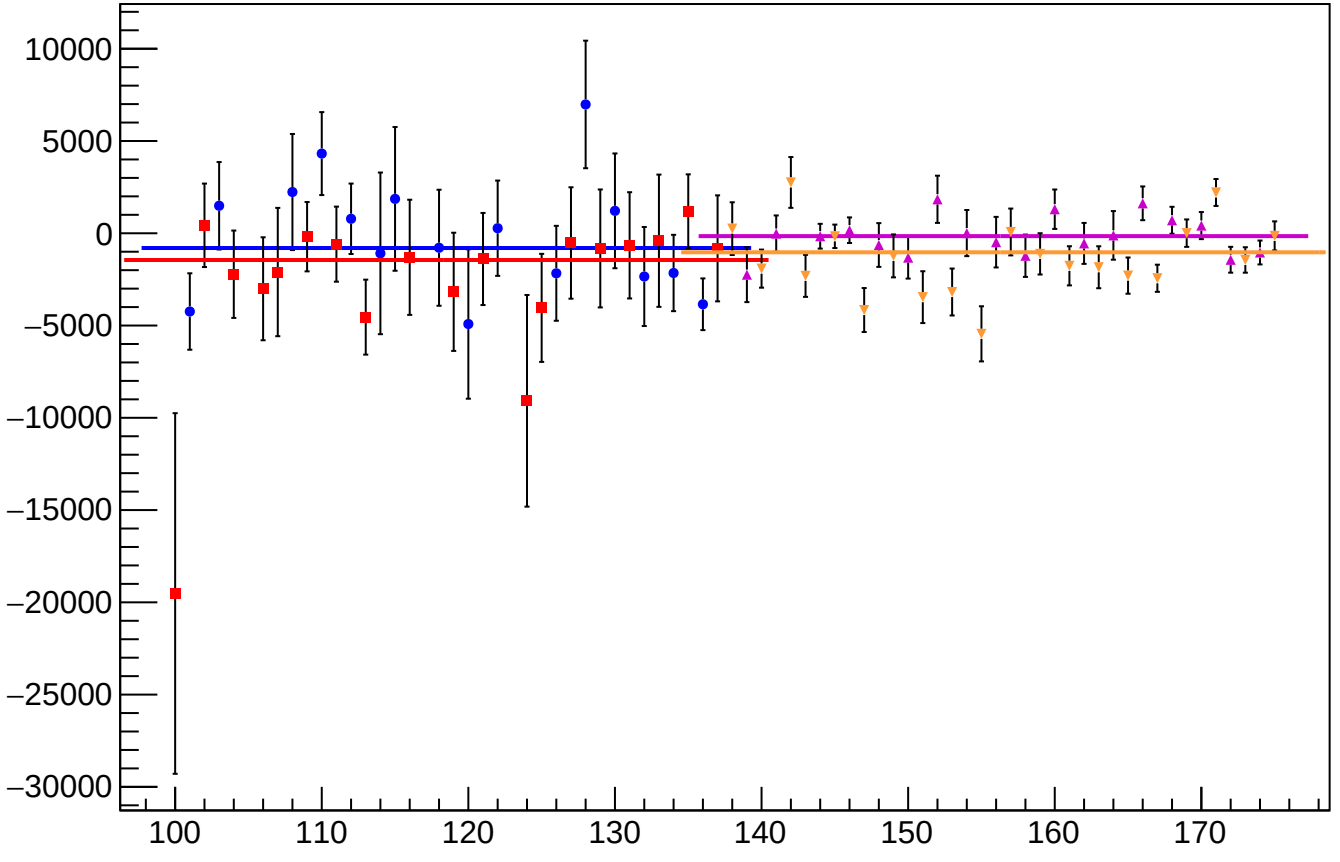
Left In: 87.642+/-0.016 χ^2/NDF:1001970.3/17

+ sign 94.233+/-0.014 χ^2/NDF: 2483417.0/35

All: 94.062+/-0.010 χ^2/NDF: 5169713.2/72

- sign 93.884+/-0.015 χ^2/NDF: 2686009.2/36

asym_sam3_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1030.309+/-215.197 χ^2/NDF:64.2/19

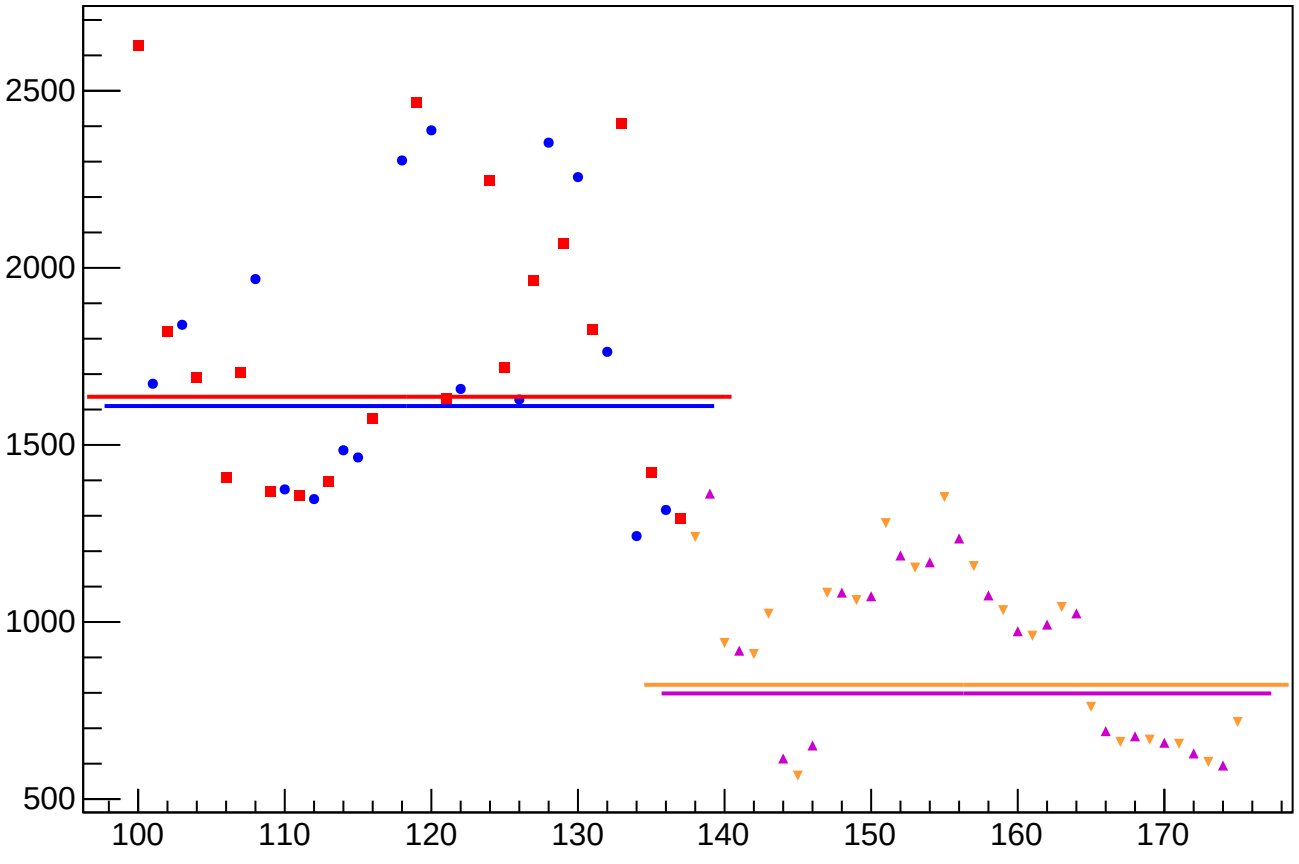
Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: -154.872+/-215.937 χ^2/NDF:19.8/17

+ sign -1005.163+/-203.157 χ^2/NDF: 87.7/35

All: -652.102+/-143.853 χ^2/NDF: 130.0/72

- sign -297.072+/-203.722 χ^2/NDF: 36.2/36



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 822.699+/-0.152 χ^2/NDF:2221067.4/19

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

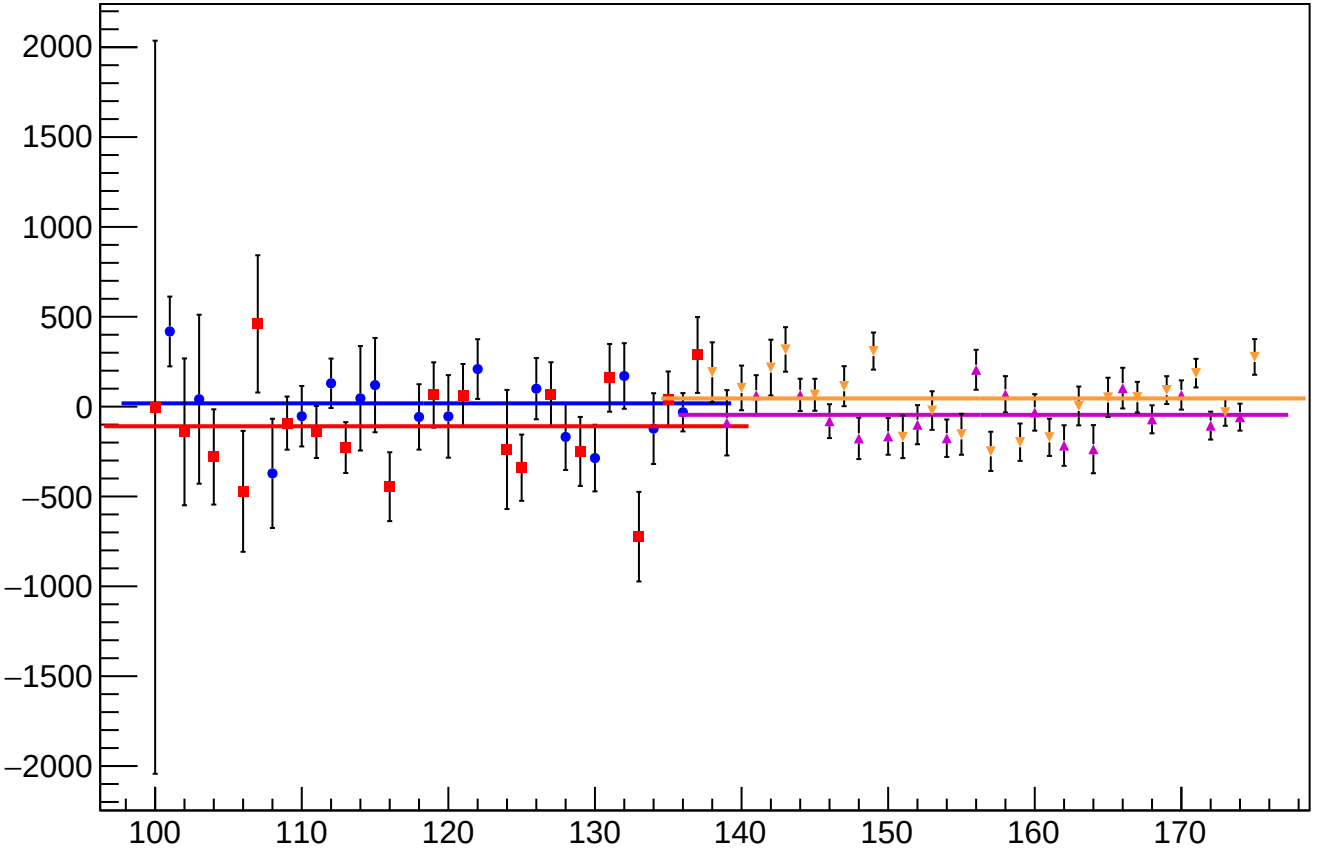
Left In: 798.322+/-0.153 χ^2/NDF:2115624.6/17

+ sign 908.305+/-0.144 χ^2/NDF: 5750230.1/35

All: 899.384+/-0.102 χ^2/NDF: 11710371.6/72

- sign 890.413+/-0.144 χ^2/NDF: 5952406.0/36

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 45.686+/-22.803 χ^2/NDF:48.0/19

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

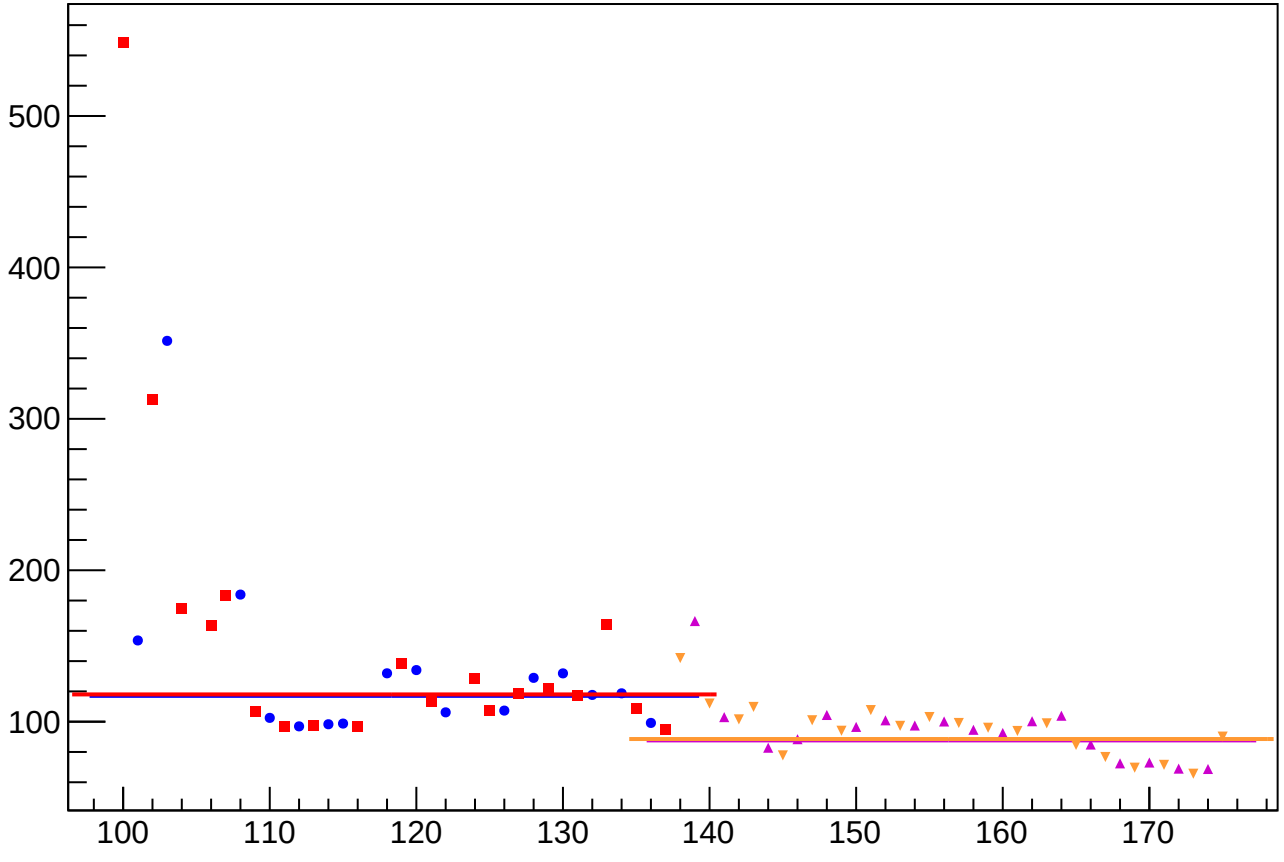
Left In: -45.734+/-23.313 χ^2/NDF:22.1/17

+ sign 40.206+/-20.404 χ^2/NDF: 62.1/35

All: -8.383+/-14.559 χ^2/NDF: 122.8/72

- sign -58.771+/-20.779 χ^2/NDF: 49.1/36

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 88.550+/-0.016 χ^2/NDF:1001780.4/19

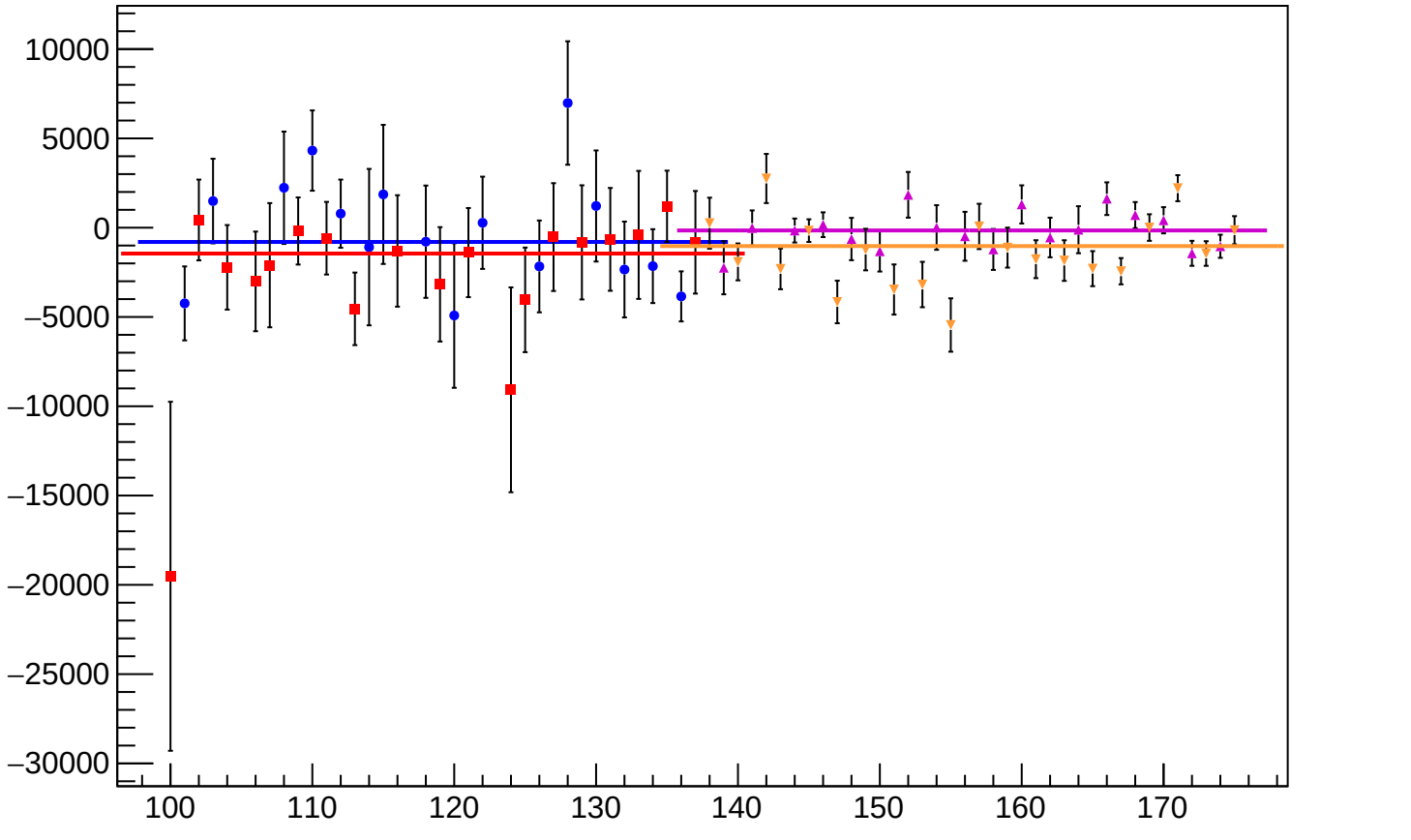
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.642+/-0.016 χ^2/NDF:1001970.3/17

+ sign 94.233+/-0.014 χ^2/NDF: 2483417.0/35

All: 94.062+/-0.010 χ^2/NDF: 5169713.2/72

- sign 93.884+/-0.015 χ^2/NDF: 2686009.2/36



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1030.309+/-215.197 χ^2/NDF:64.2/19

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

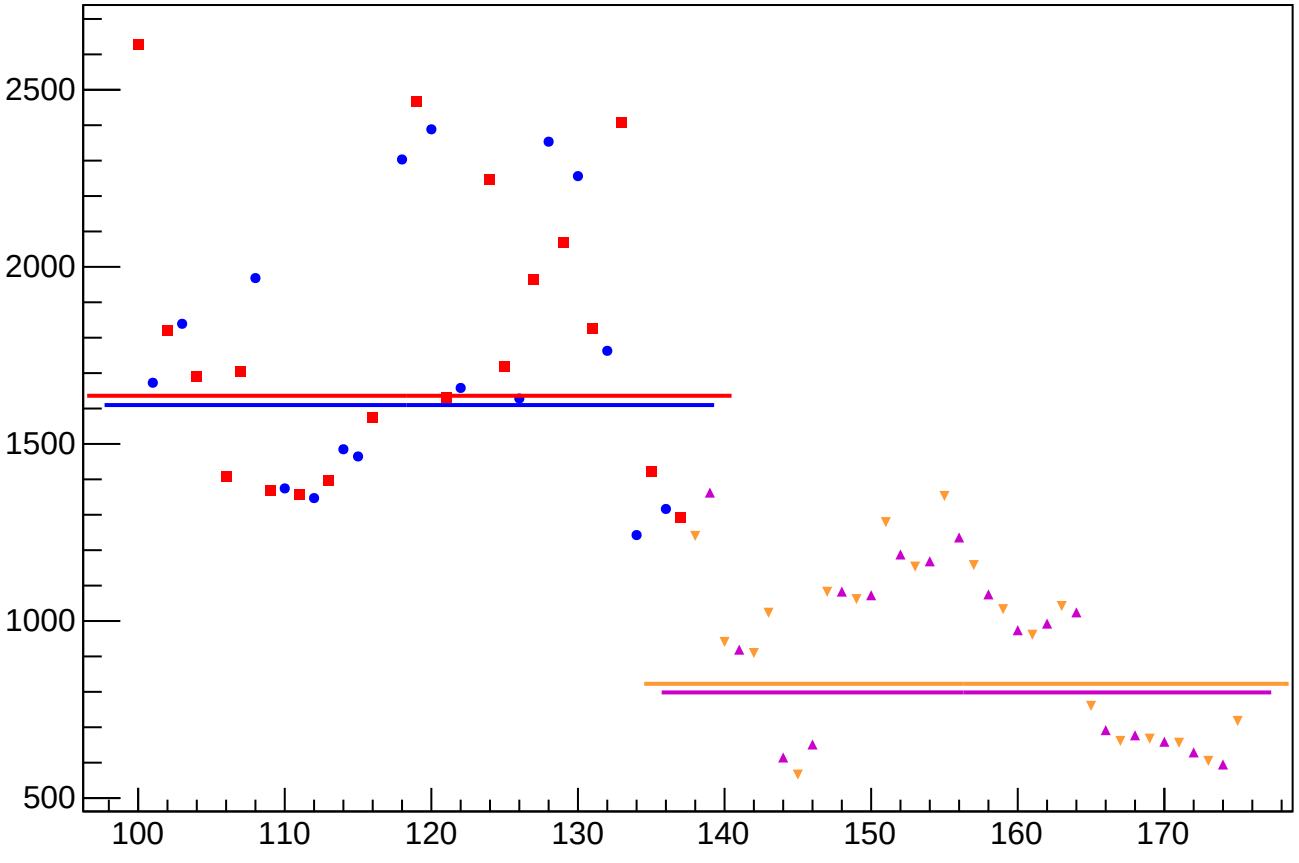
Left In: -154.872+/-215.937 χ^2/NDF:19.8/17

+ sign -1005.163+/-203.157 χ^2/NDF: 87.7/35

All: -652.102+/-143.853 χ^2/NDF: 130.0/72

- sign -297.072+/-203.722 χ^2/NDF: 36.2/36

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 822.699+/-0.152 χ^2/NDF:2221067.4/19

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

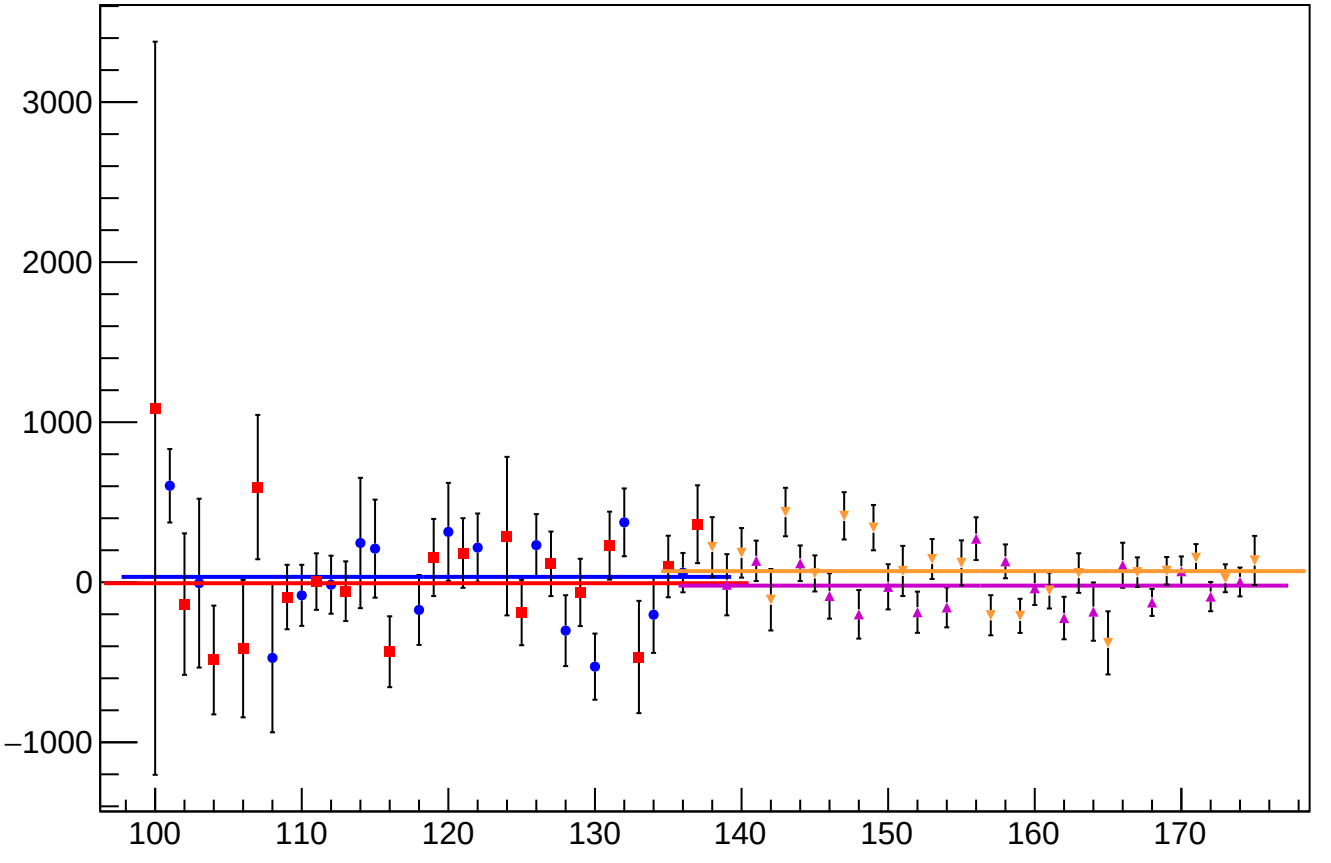
Left In: 798.322+/-0.153 χ^2/NDF:2115624.6/17

+ sign 908.305+/-0.144 χ^2/NDF: 5750230.1/35

All: 899.384+/-0.102 χ^2/NDF: 11710371.6/72

- sign 890.413+/-0.144 χ^2/NDF: 5952406.0/36

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 69.497+/-27.154 χ^2/NDF:37.1/19

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

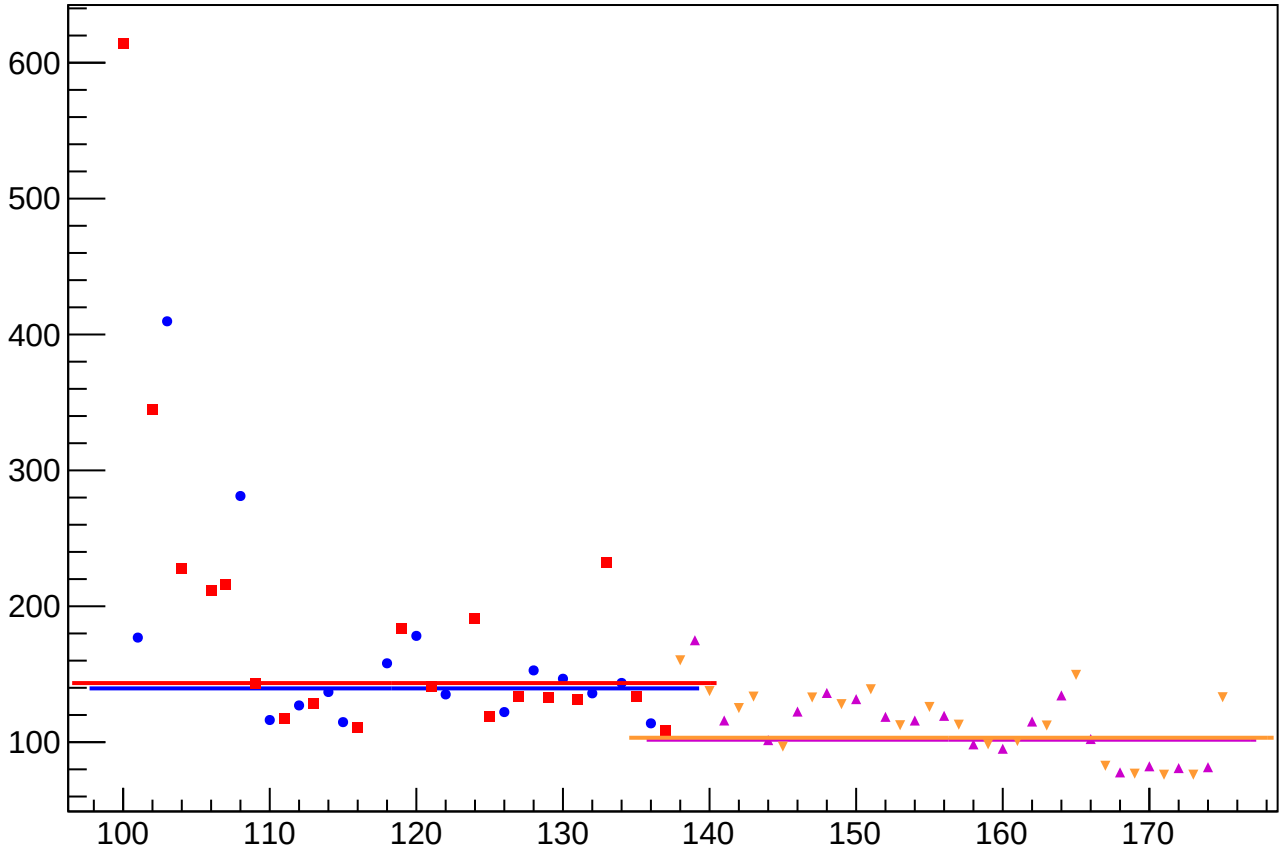
Left In: -21.168+/-27.589 χ^2/NDF:21.5/17

+ sign 62.418+/-24.340 χ^2/NDF: 62.6/35

All: 22.776+/-17.356 χ^2/NDF: 106.9/72

- sign -18.234+/-24.756 χ^2/NDF: 38.9/36

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 103.253+/-0.019 χ^2/NDF:1604509.4/19

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

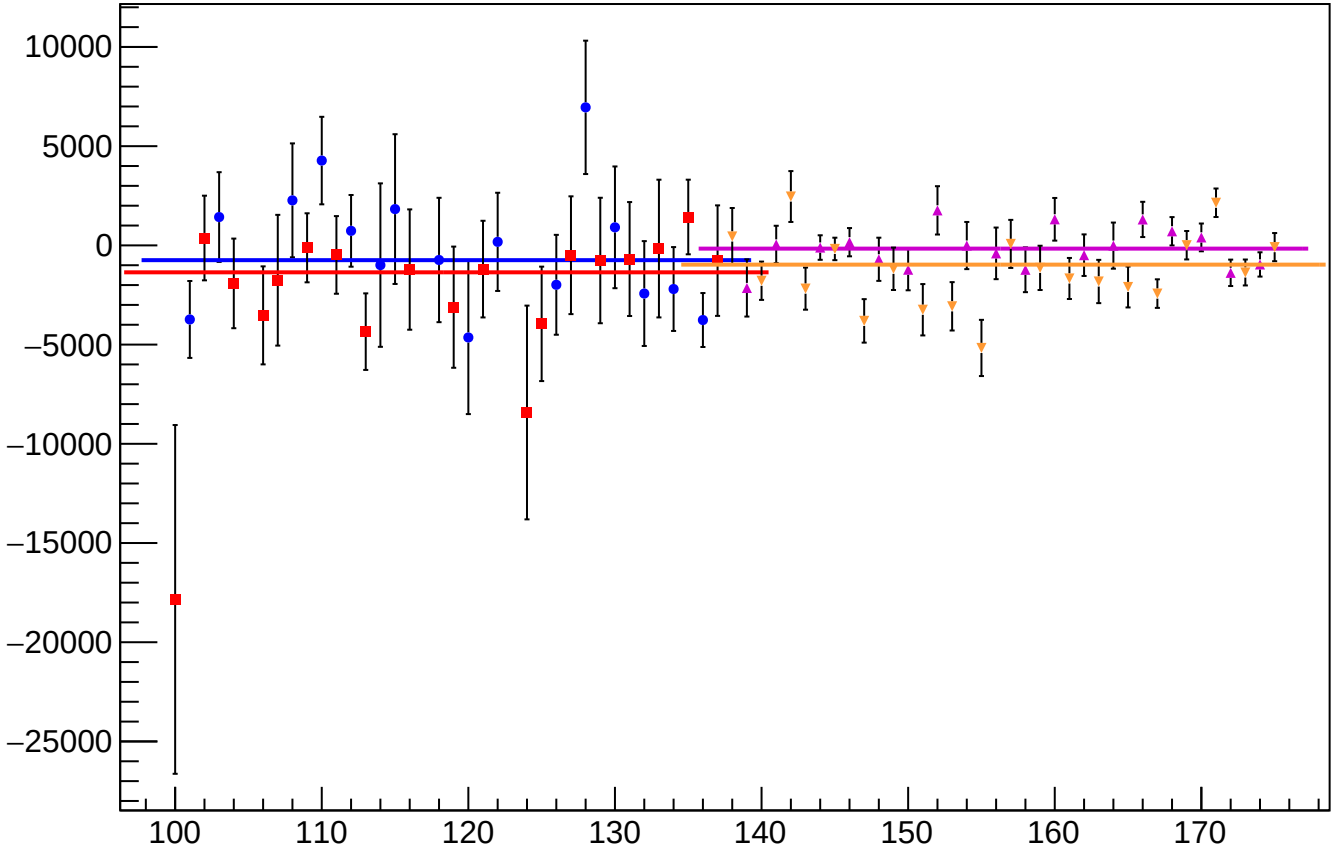
Left In: 101.798+/-0.020 χ^2/NDF:1199683.2/17

+ sign 110.389+/-0.017 χ^2/NDF: 3284134.4/35

All: 110.157+/-0.012 χ^2/NDF: 6490154.2/72

- sign 109.917+/-0.018 χ^2/NDF: 3205651.6/36

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -969.871+/-204.139 χ^2/NDF:63.4/19

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

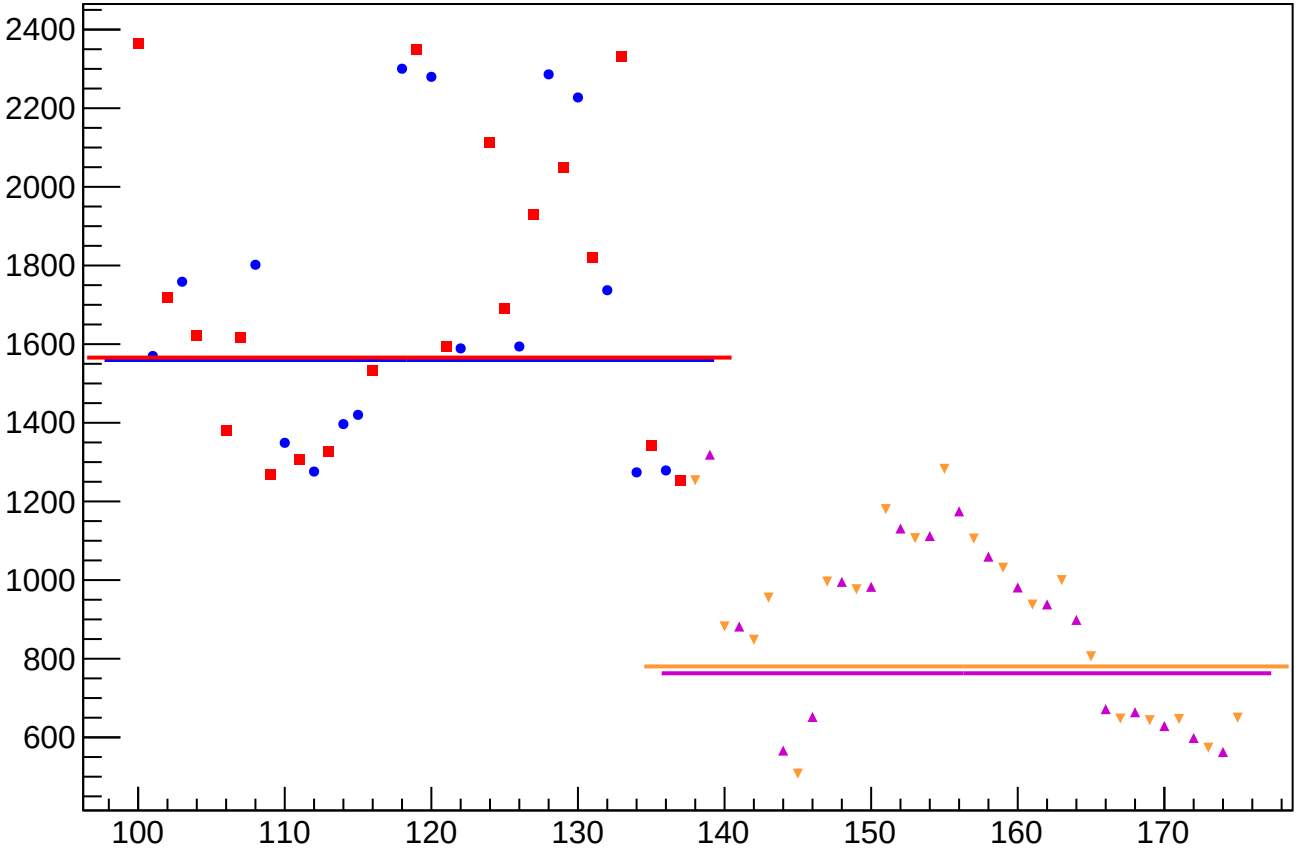
Left In: -163.265+/-206.534 χ^2/NDF:18.9/17

\+ sign -946.212+/-193.118 χ^2/NDF: 87.0/35

All: -623.568+/-137.140 χ^2/NDF: 128.7/72

\- sign -295.338+/-194.783 χ^2/NDF: 36.1/36

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 780.369+/-0.144 χ^2/NDF:2346346.5/19

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

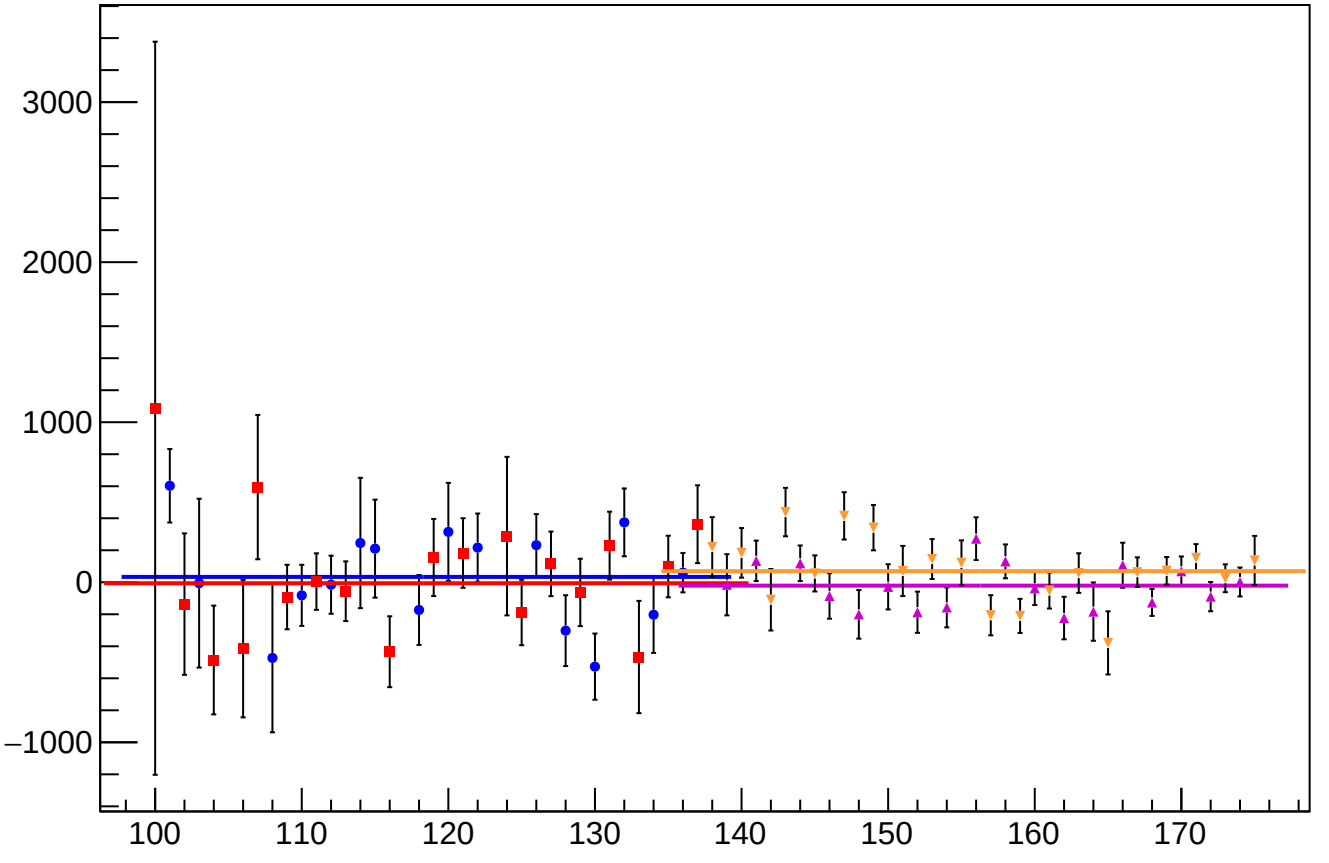
Left In: 762.991+/-0.146 χ^2/NDF:2089919.6/17

+ sign 862.248+/-0.137 χ^2/NDF: 6013174.4/35

All: 857.043+/-0.097 χ^2/NDF: 12010825.9/72

- sign 851.748+/-0.138 χ^2/NDF: 5994720.9/36

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 69.498+/-27.154 χ^2/NDF:37.1/19

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

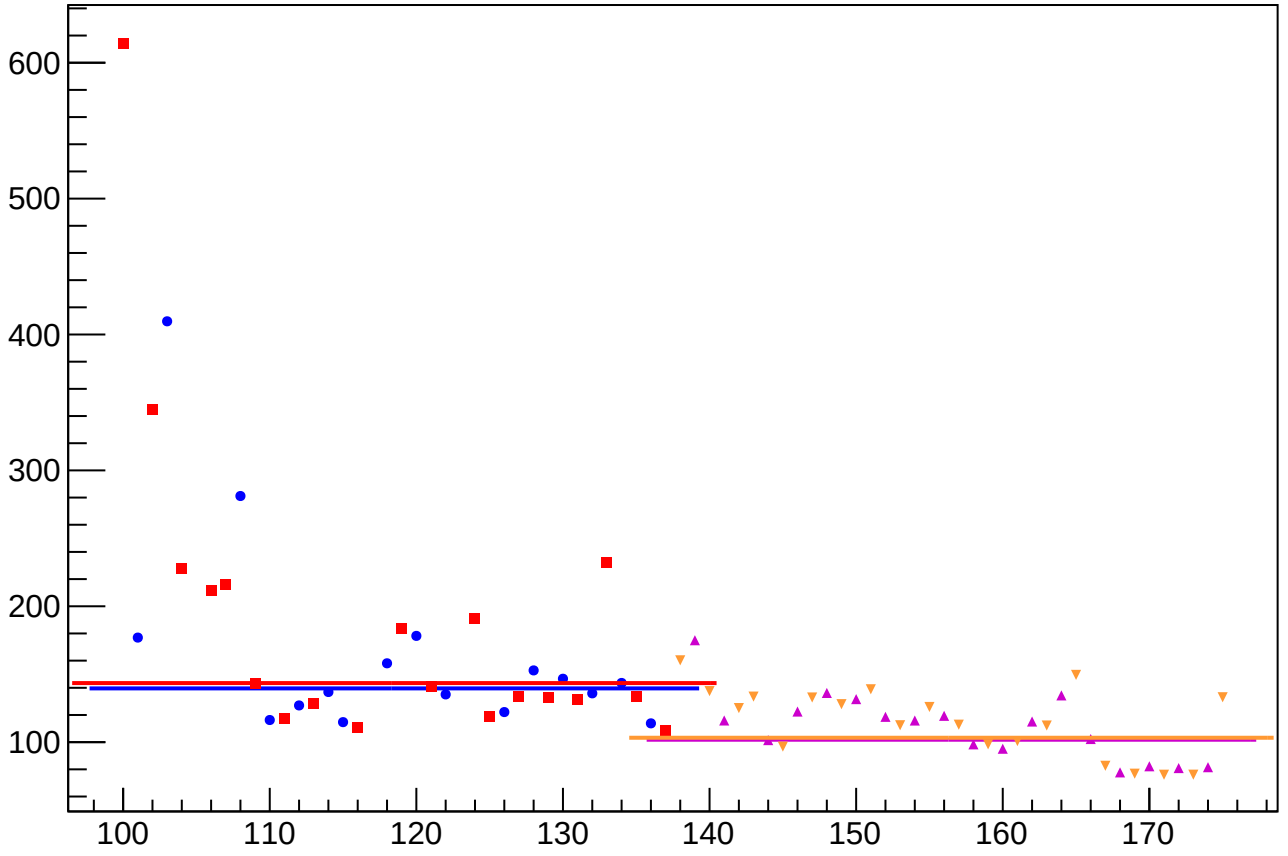
Left In: -21.167+/-27.589 χ^2/NDF:21.5/17

+ sign 62.419+/-24.340 χ^2/NDF: 62.6/35

All: 22.777+/-17.356 χ^2/NDF: 106.9/72

- sign -18.232+/-24.756 χ^2/NDF: 38.9/36

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 103.253+/-0.019 χ^2/NDF:1604535.1/19

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

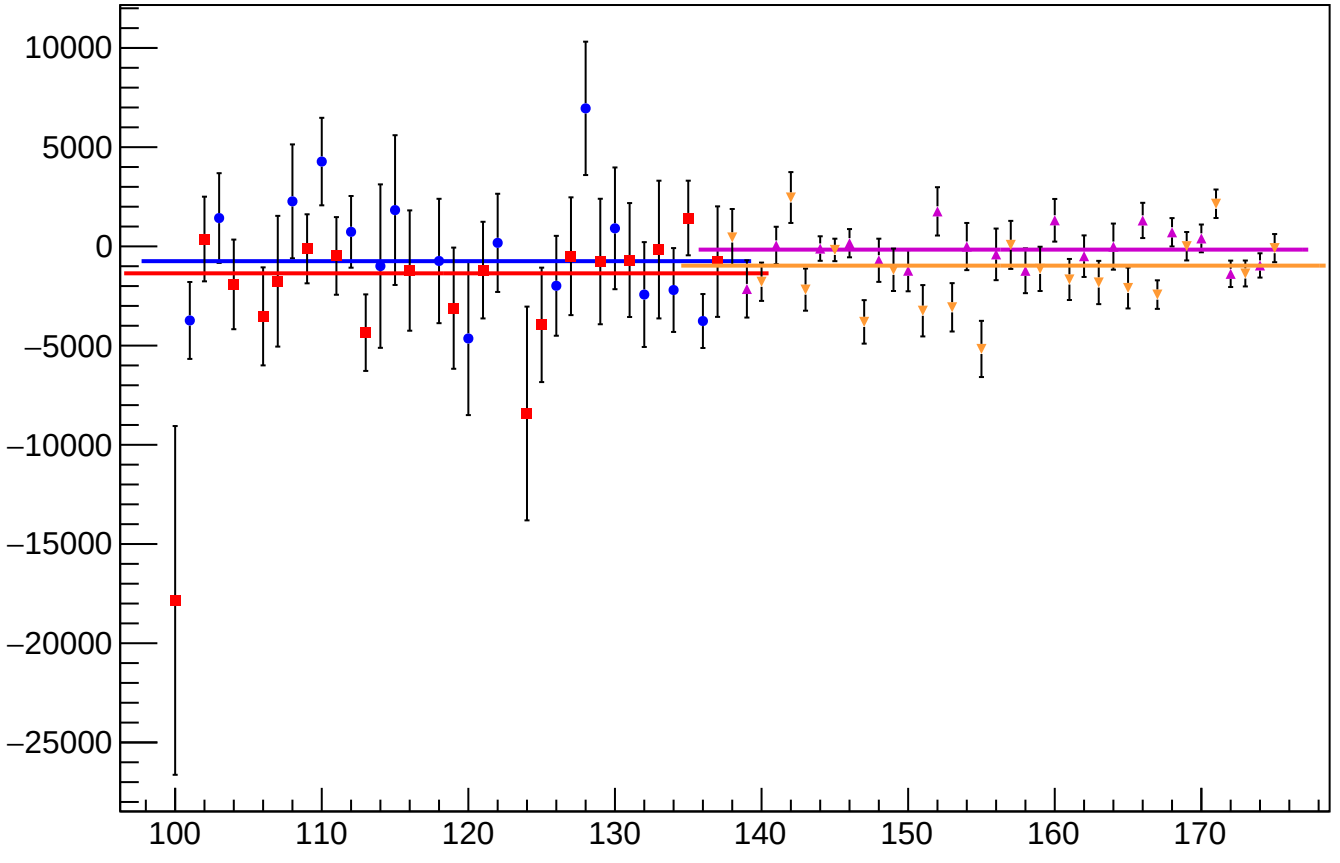
Left In: 101.798+/-0.020 χ^2/NDF:1199697.8/17

+ sign 110.389+/-0.017 χ^2/NDF: 3284157.8/35

All: 110.157+/-0.012 χ^2/NDF: 6490199.1/72

- sign 109.918+/-0.018 χ^2/NDF: 3205673.1/36

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -969.871+/-204.139 χ^2/NDF:63.4/19

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

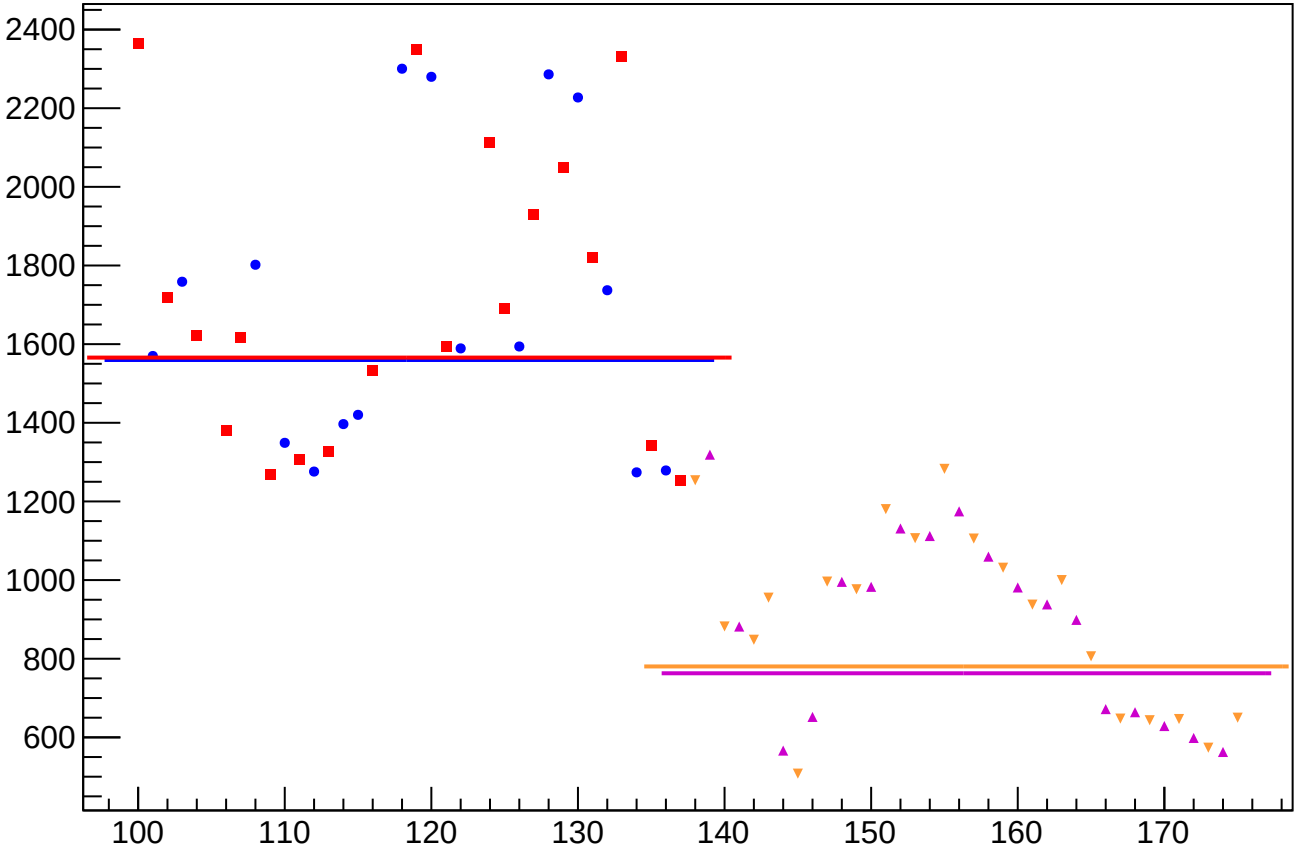
Left In: -163.264+/-206.534 χ^2/NDF:18.9/17

+ sign -946.213+/-193.118 χ^2/NDF: 87.0/35

All: -623.567+/-137.140 χ^2/NDF: 128.7/72

- sign -295.337+/-194.782 χ^2/NDF: 36.1/36

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 780.368+/-0.144 χ^2/NDF:2346340.7/19

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

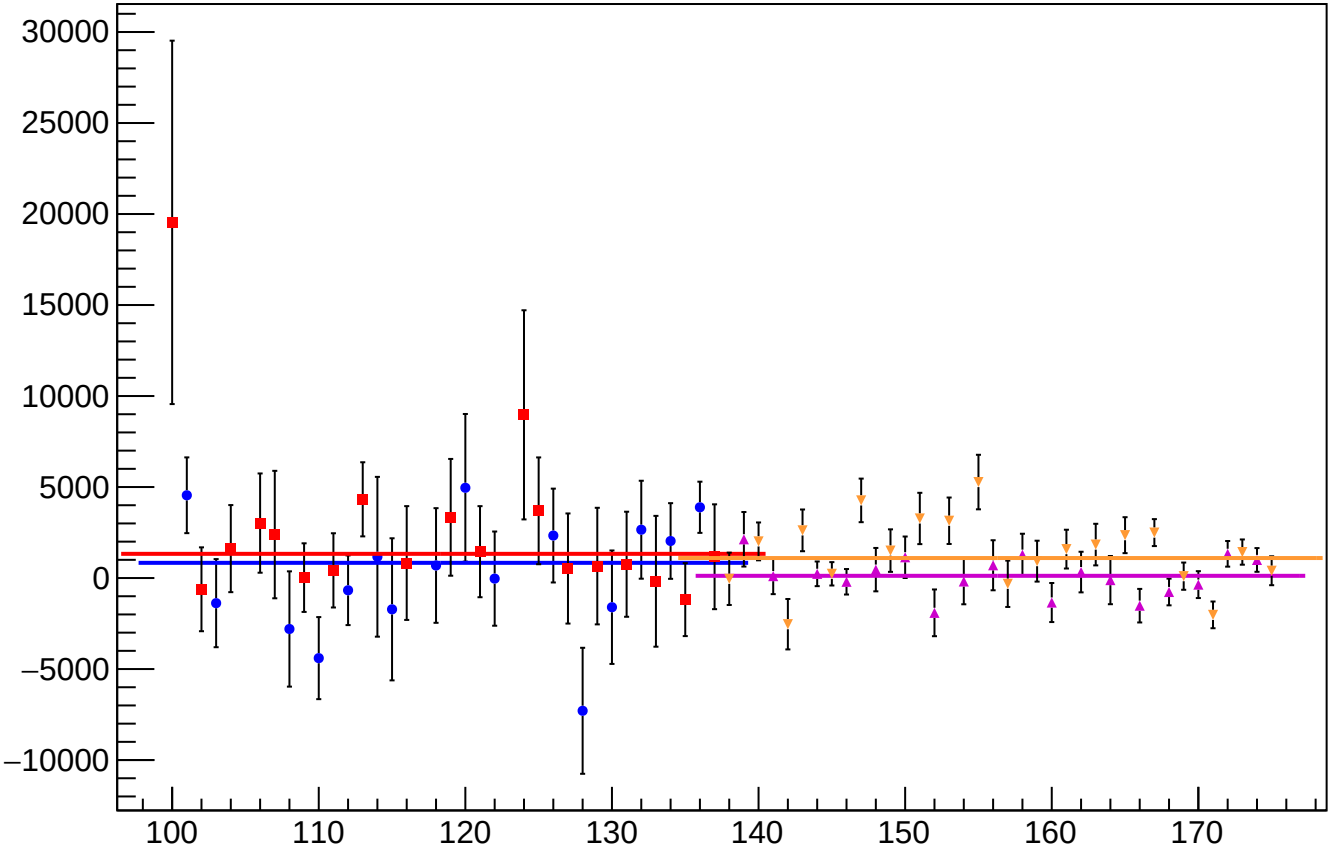
Left In: 762.990+/-0.146 χ^2/NDF:2089914.7/17

+ sign 862.247+/-0.137 χ^2/NDF: 6013168.1/35

All: 857.042+/-0.097 χ^2/NDF: 12010809.9/72

- sign 851.748+/-0.138 χ^2/NDF: 5994711.2/36

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1098.898+/-216.551 χ^2/NDF:59.7/19

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

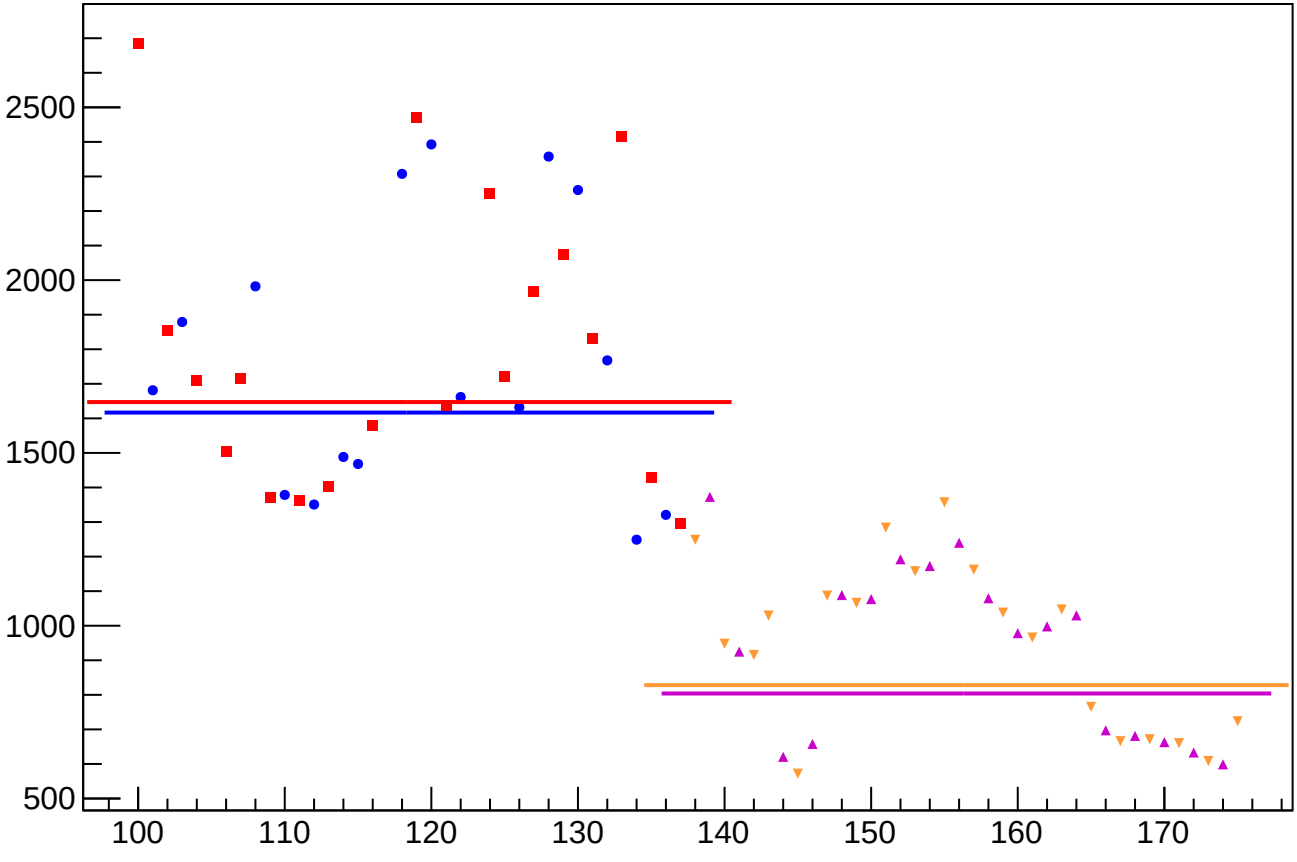
Left In: 122.308+/-217.366 χ^2/NDF:18.4/17

\+ sign 1070.158+/-204.396 χ^2/NDF: 84.7/35

All: 664.179+/-144.741 χ^2/NDF: 126.6/72

\- sign 255.818+/-204.995 χ^2/NDF: 33.9/36

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 828.139+/-0.153 χ^2/NDF:2200330.2/19

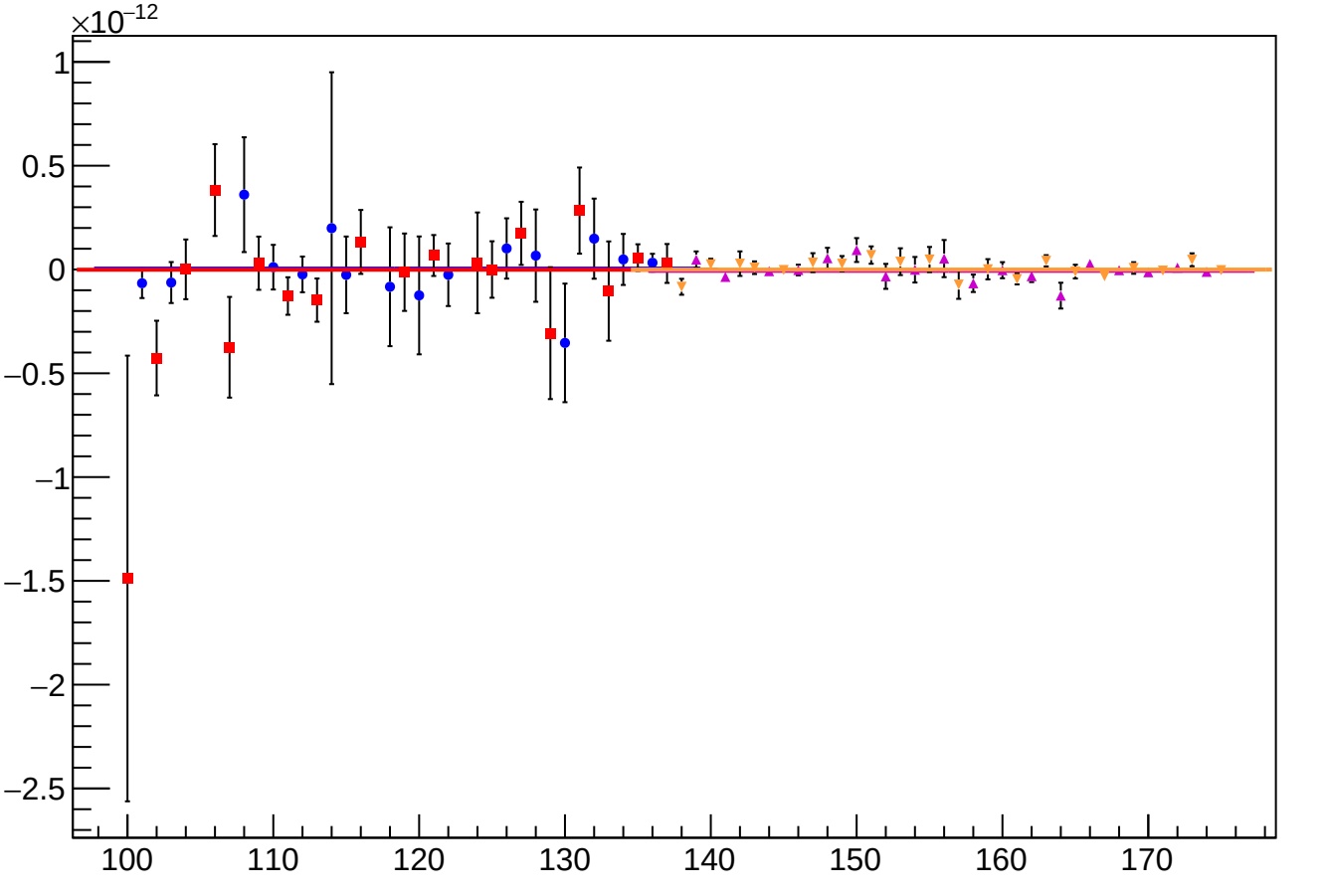
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 803.904+/-0.154 χ^2/NDF:2095375.6/17

+ sign 914.191+/-0.145 χ^2/NDF: 5717050.3/35

All: 905.705+/-0.102 χ^2/NDF: 11672521.7/72

- sign 897.168+/-0.145 χ^2/NDF: 5948555.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

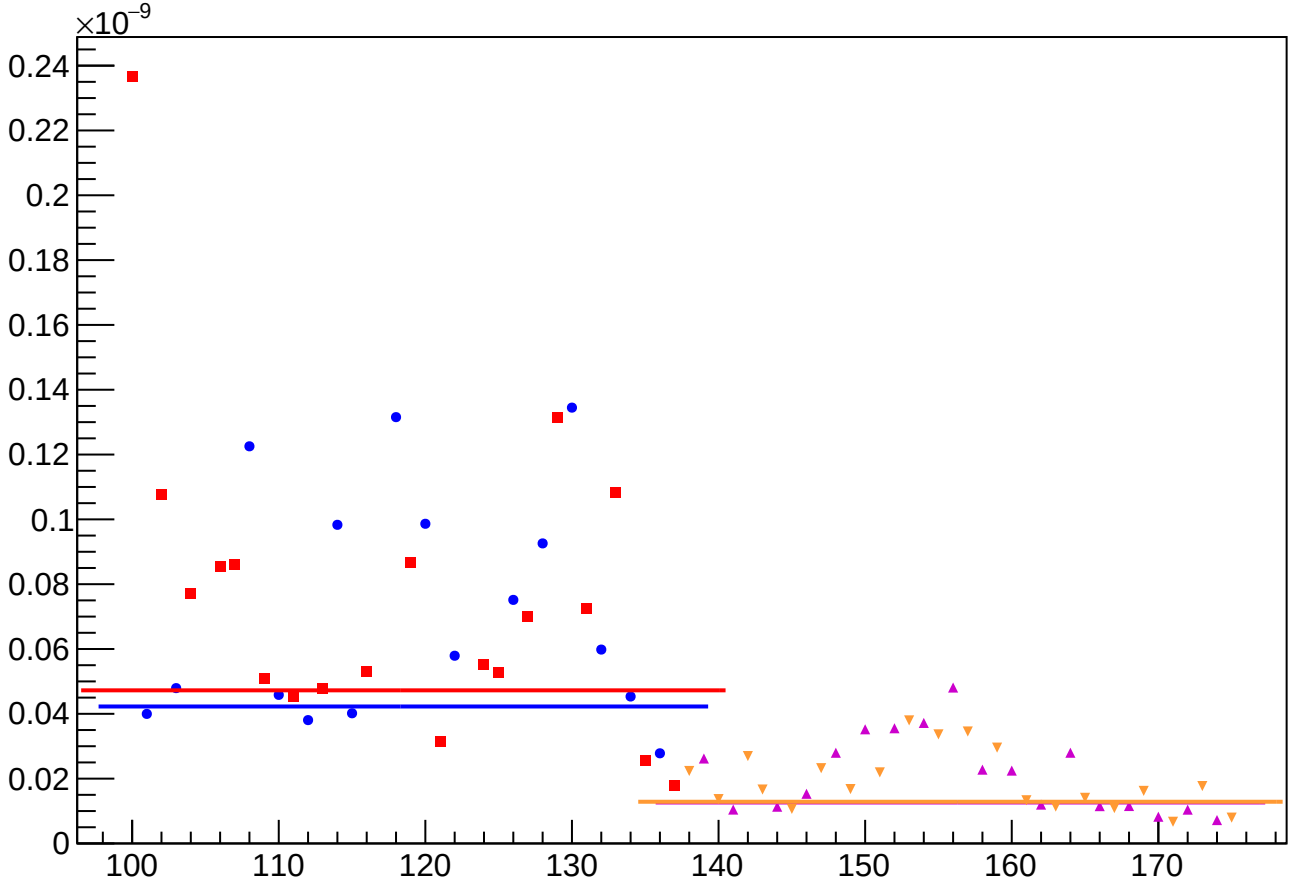
Left In: -0.000+/-0.000 χ^2/NDF:17.8/17

+ sign -0.000+/-0.000 χ^2/NDF: 29.5/35

All: -0.000+/-0.000 χ^2/NDF: 71.3/72

- sign -0.000+/-0.000 χ^2/NDF: 41.3/36

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2130604.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

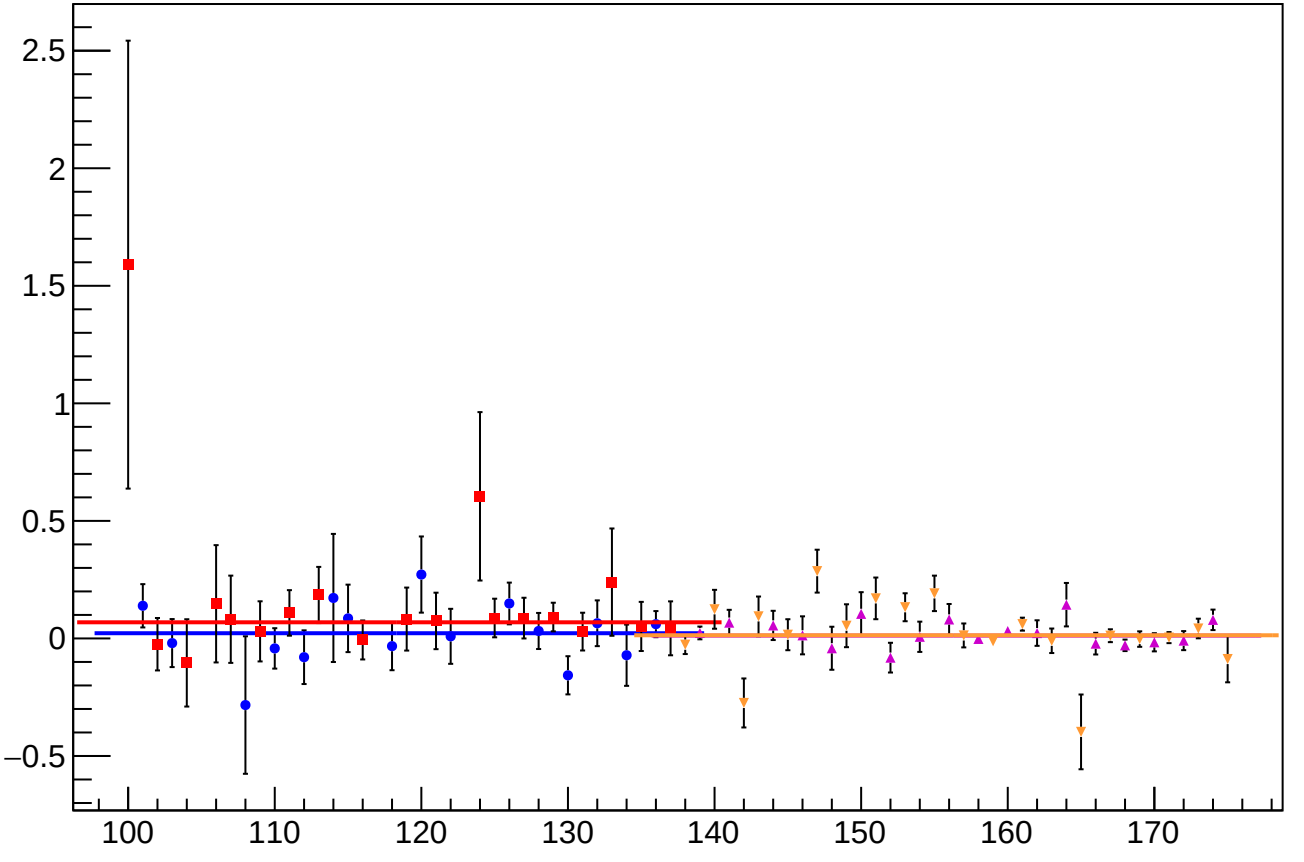
Left In: 0.000+/-0.000 χ^2/NDF:2527896.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 5497183.2/35

All: 0.000+/-0.000 χ^2/NDF: 11938507.3/72

- sign 0.000+/-0.000 χ^2/NDF: 6440331.7/36

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:47.7/19

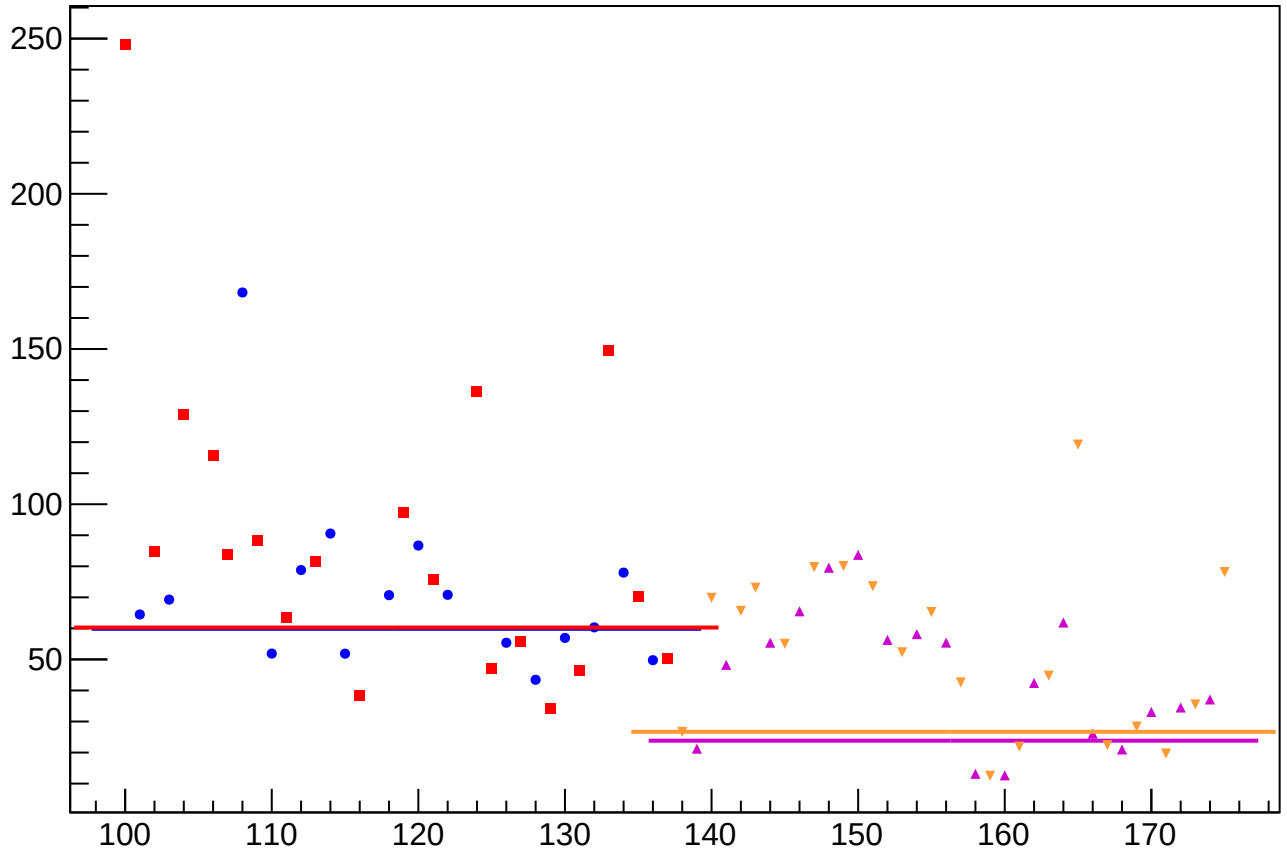
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.012+/-0.008 χ^2/NDF:17.2/17

+ sign 0.014+/-0.008 χ^2/NDF: 63.3/35

All: 0.016+/-0.006 χ^2/NDF: 94.7/72

- sign 0.017+/-0.008 χ^2/NDF: 31.4/36



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.684+/-0.006 χ^2/NDF:8332555.7/19

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

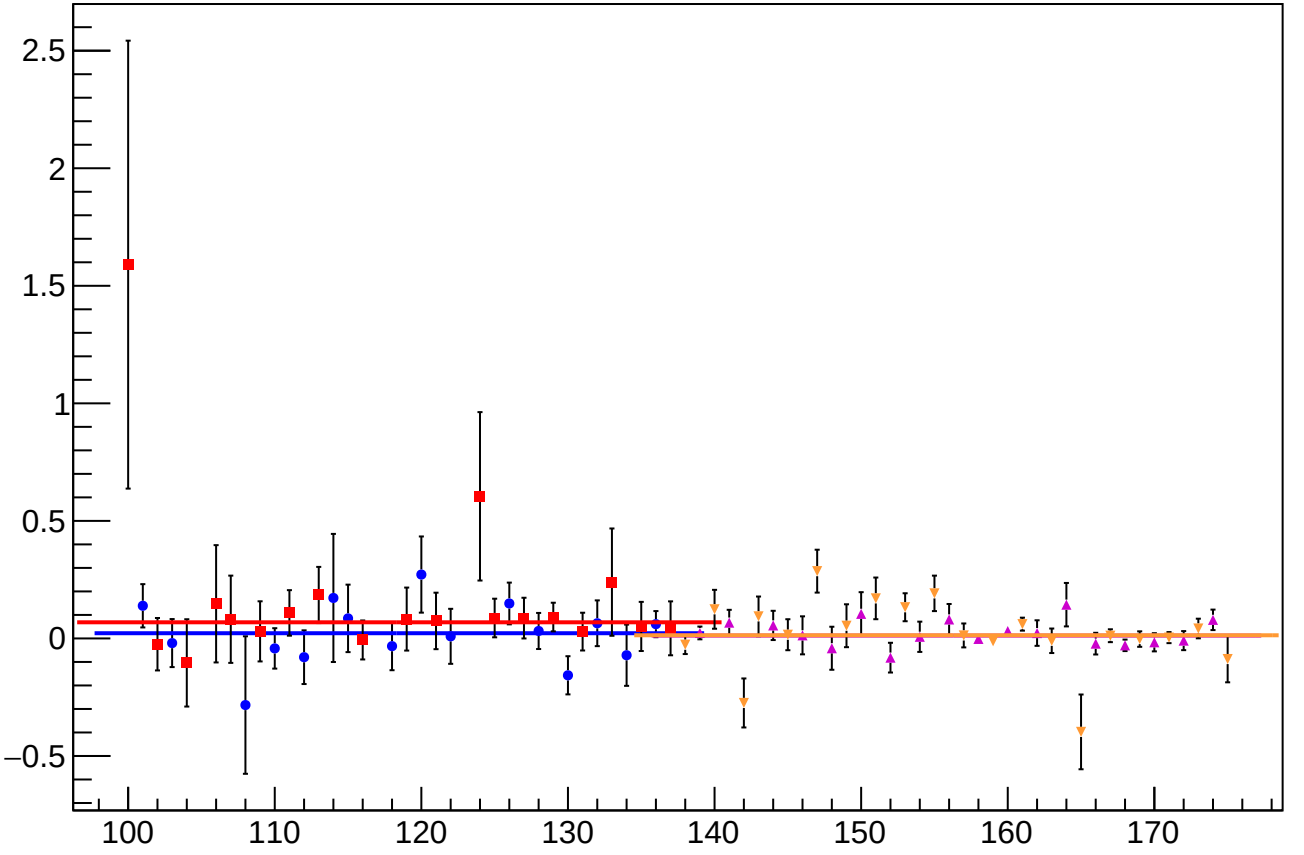
Left In: 23.824+/-0.006 χ^2/NDF:7483159.4/17

+ sign 30.381+/-0.006 χ^2/NDF: 12245719.2/35

All: 28.714+/-0.004 χ^2/NDF: 25629865.1/72

- sign 27.242+/-0.005 χ^2/NDF: 13229840.1/36

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:47.7/19

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

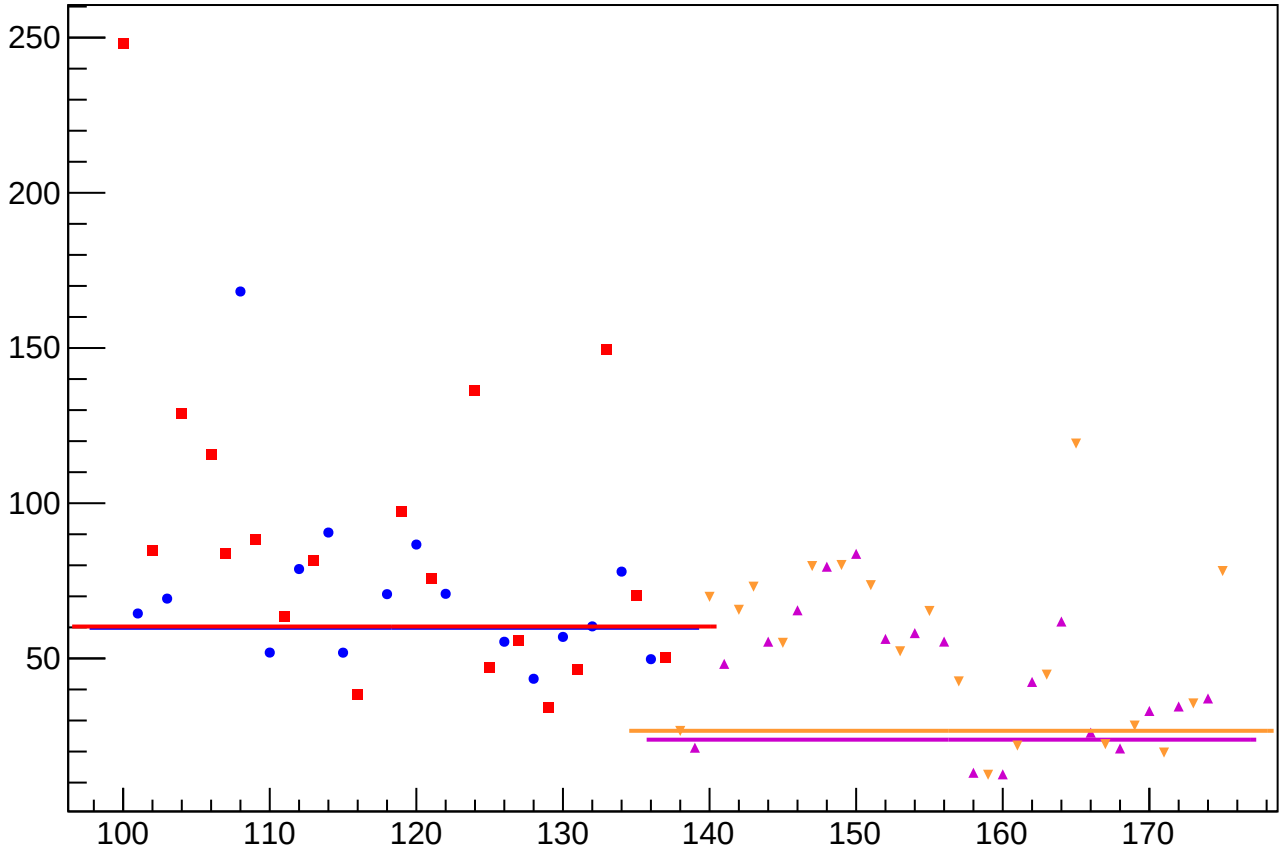
Left In: 0.012+/-0.008 χ^2/NDF:17.2/17

+ sign 0.014+/-0.008 χ^2/NDF: 63.3/35

All: 0.016+/-0.006 χ^2/NDF: 94.7/72

- sign 0.017+/-0.008 χ^2/NDF: 31.4/36

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.684+/-0.006 χ^2/NDF:8332555.7/19

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

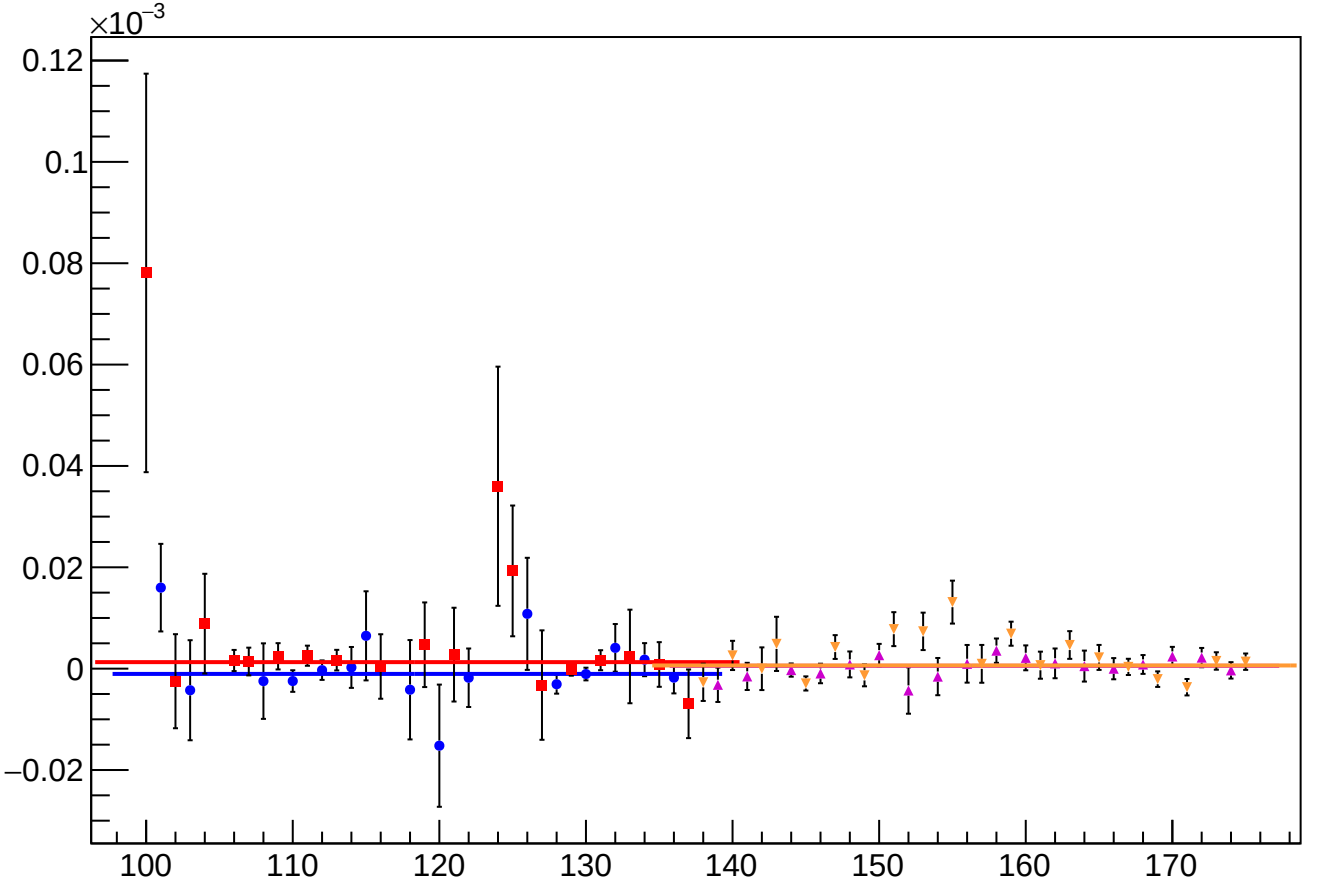
Left In: 23.824+/-0.006 χ^2/NDF:7483159.4/17

+ sign 30.381+/-0.006 χ^2/NDF: 12245719.2/35

All: 28.714+/-0.004 χ^2/NDF: 25629865.1/72

- sign 27.242+/-0.005 χ^2/NDF: 13229840.1/36

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

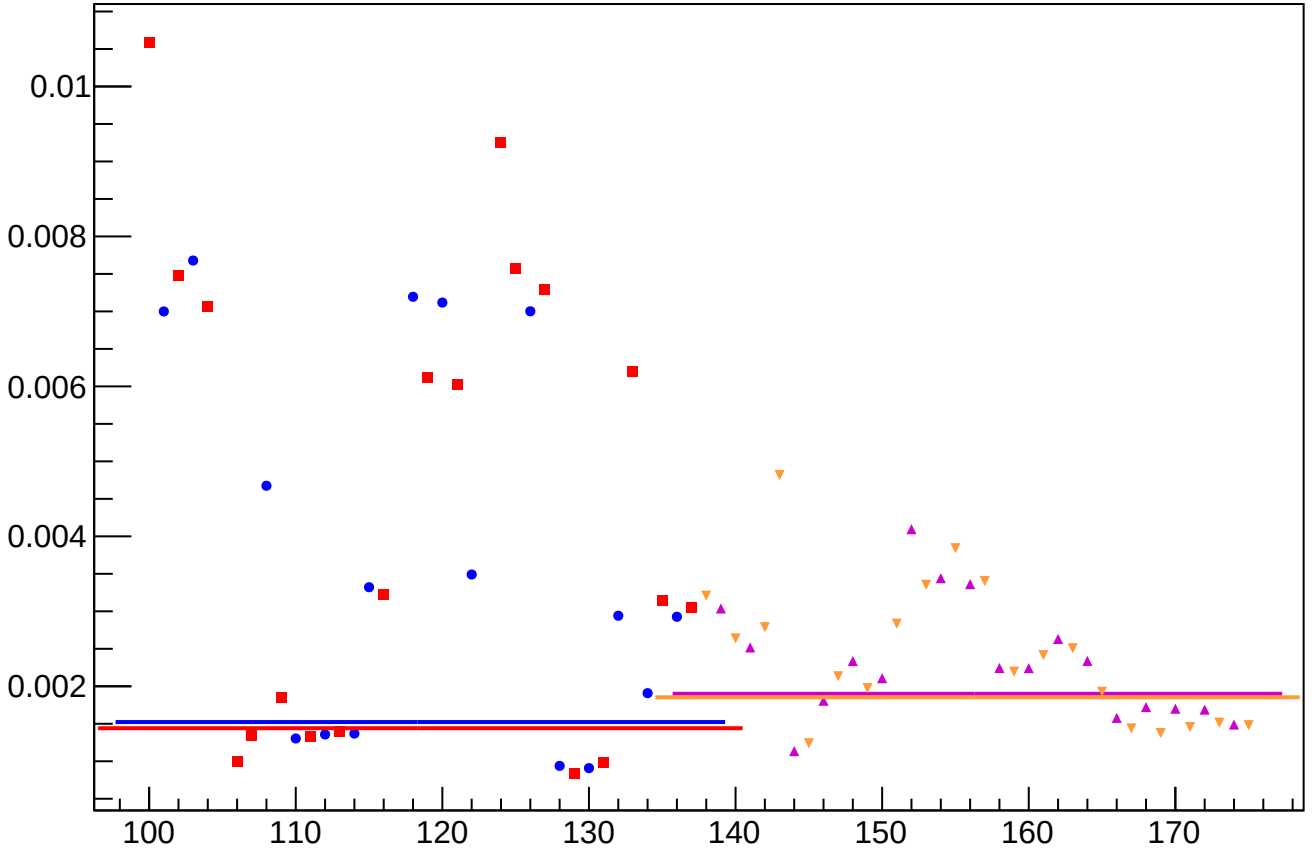
Left In: 0.000+/-0.000 χ^2/NDF:9.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 63.2/35

All: 0.000+/-0.000 χ^2/NDF: 87.1/72

- sign 0.000+/-0.000 χ^2/NDF: 22.4/36

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3718723.9/19

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

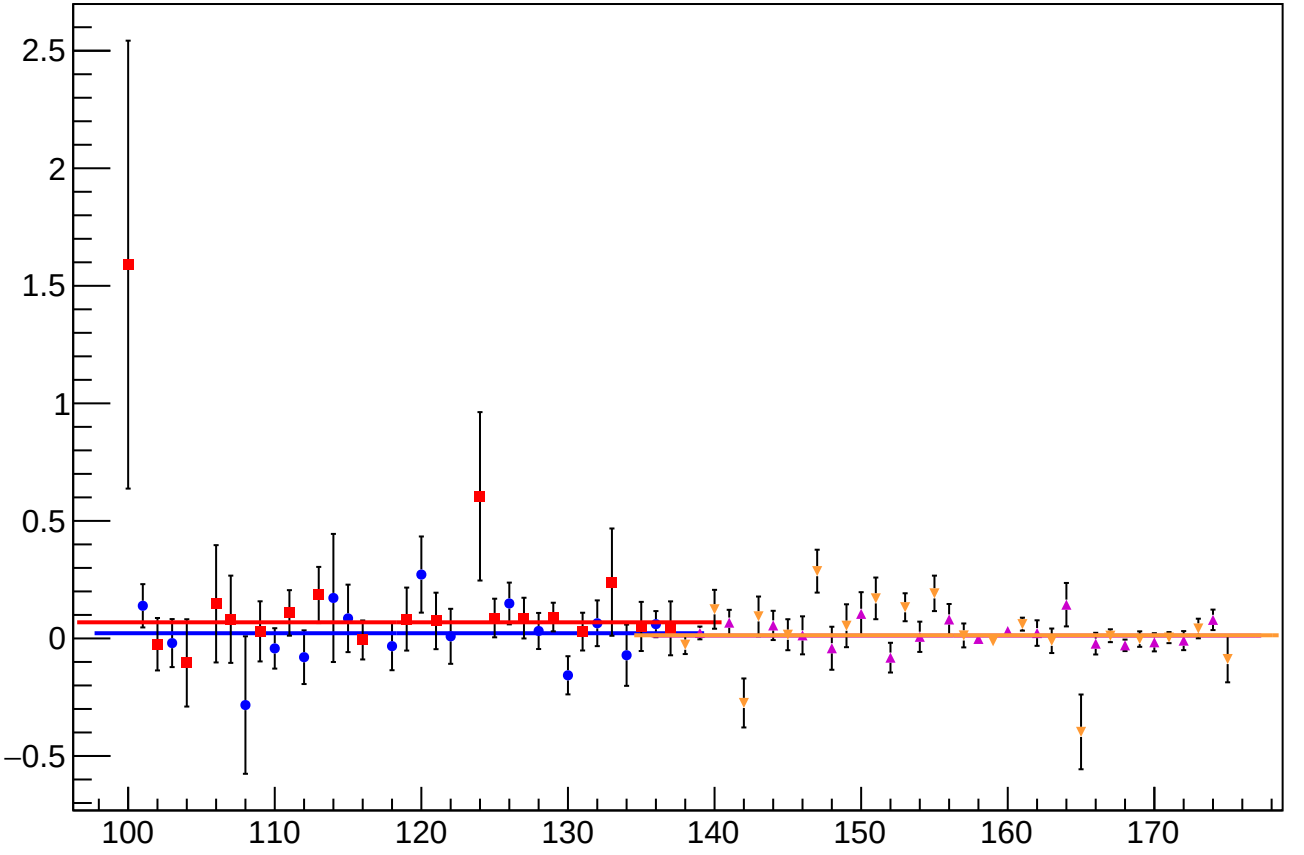
Left In: 0.002+/-0.000 χ^2/NDF:2703590.6/17

+ sign 0.002+/-0.000 χ^2/NDF: 9176057.7/35

All: 0.002+/-0.000 χ^2/NDF: 18222982.9/72

- sign 0.002+/-0.000 χ^2/NDF: 9045633.1/36

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:47.7/19

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

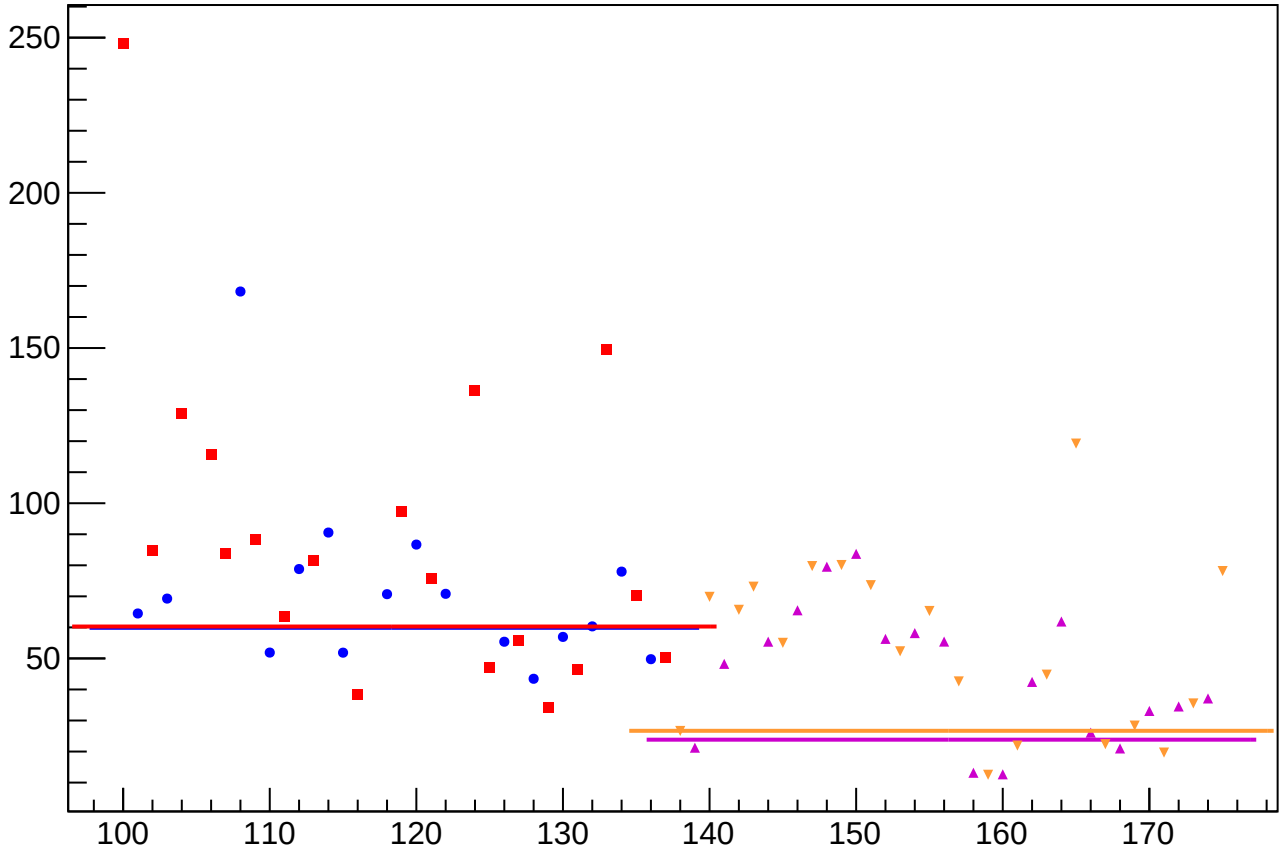
Left In: 0.012+/-0.008 χ^2/NDF:17.2/17

+ sign 0.014+/-0.008 χ^2/NDF: 63.3/35

All: 0.016+/-0.006 χ^2/NDF: 94.7/72

- sign 0.017+/-0.008 χ^2/NDF: 31.4/36

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.683+/-0.006 χ^2/NDF:8333497.5/19

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

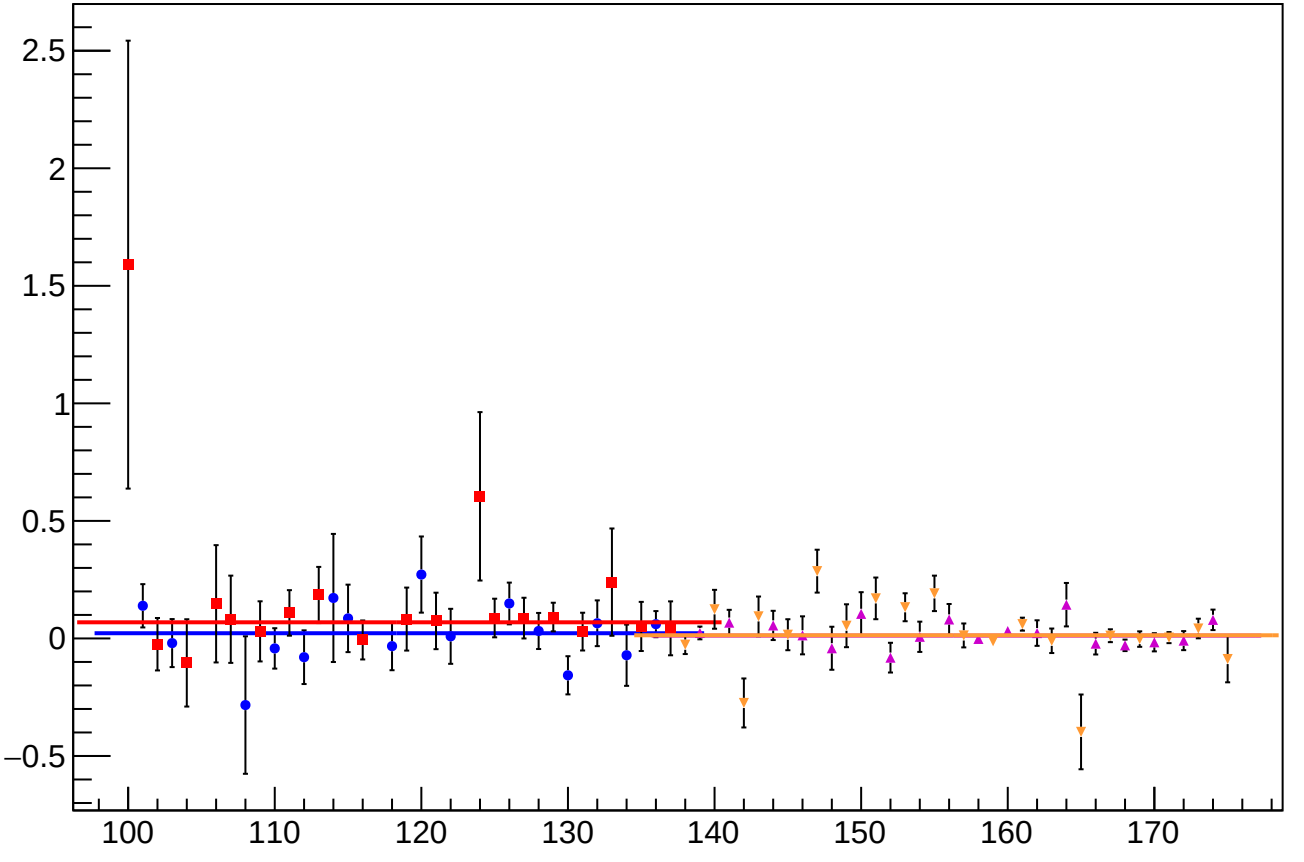
Left In: 23.824+/-0.006 χ^2/NDF:7483599.2/17

+ sign 30.380+/-0.006 χ^2/NDF: 12247044.9/35

All: 28.713+/-0.004 χ^2/NDF: 25631727.8/72

- sign 27.242+/-0.005 χ^2/NDF: 13230458.6/36

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:47.7/19

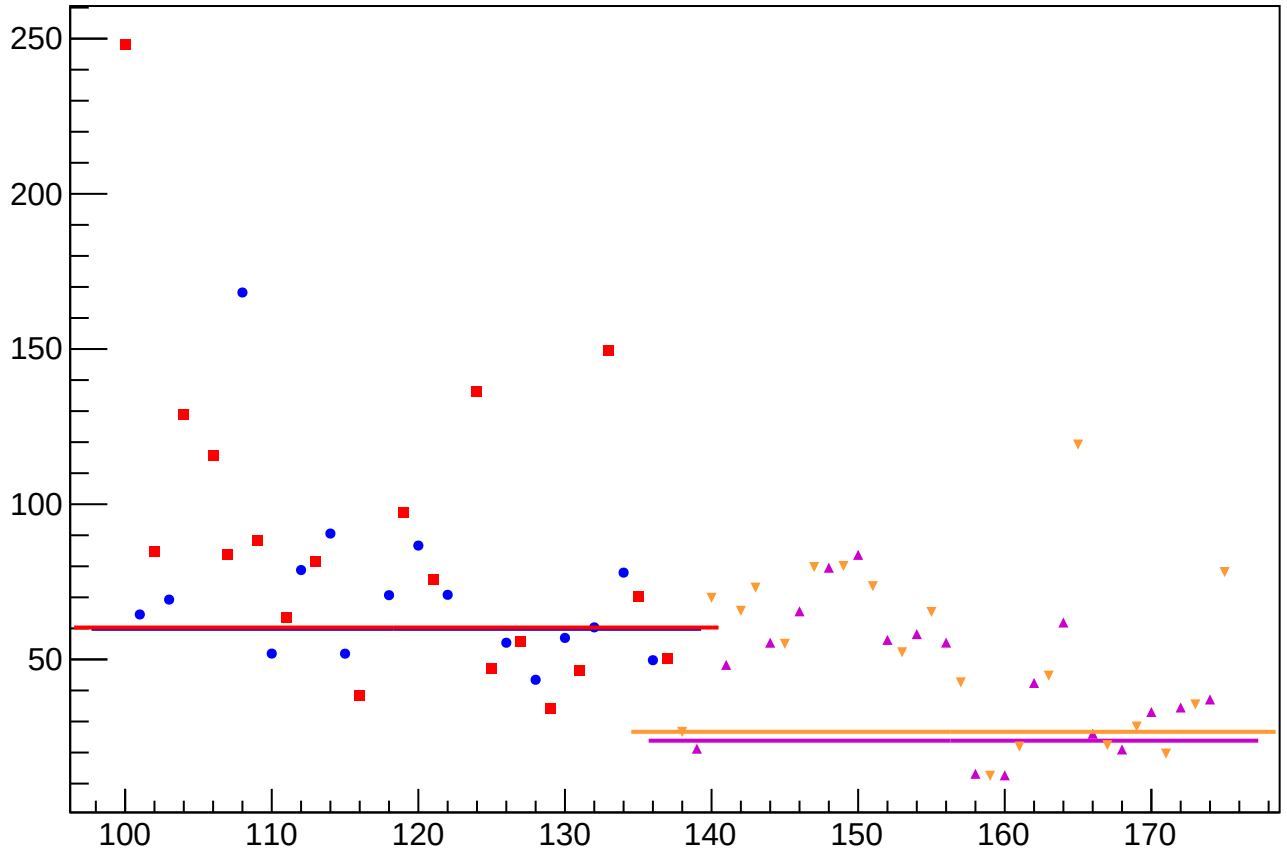
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.012+/-0.008 χ^2/NDF:17.2/17

+ sign 0.014+/-0.008 χ^2/NDF: 63.3/35

All: 0.016+/-0.006 χ^2/NDF: 94.7/72

- sign 0.017+/-0.008 χ^2/NDF: 31.4/36



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.683+/-0.006 χ^2/NDF:8333497.5/19

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

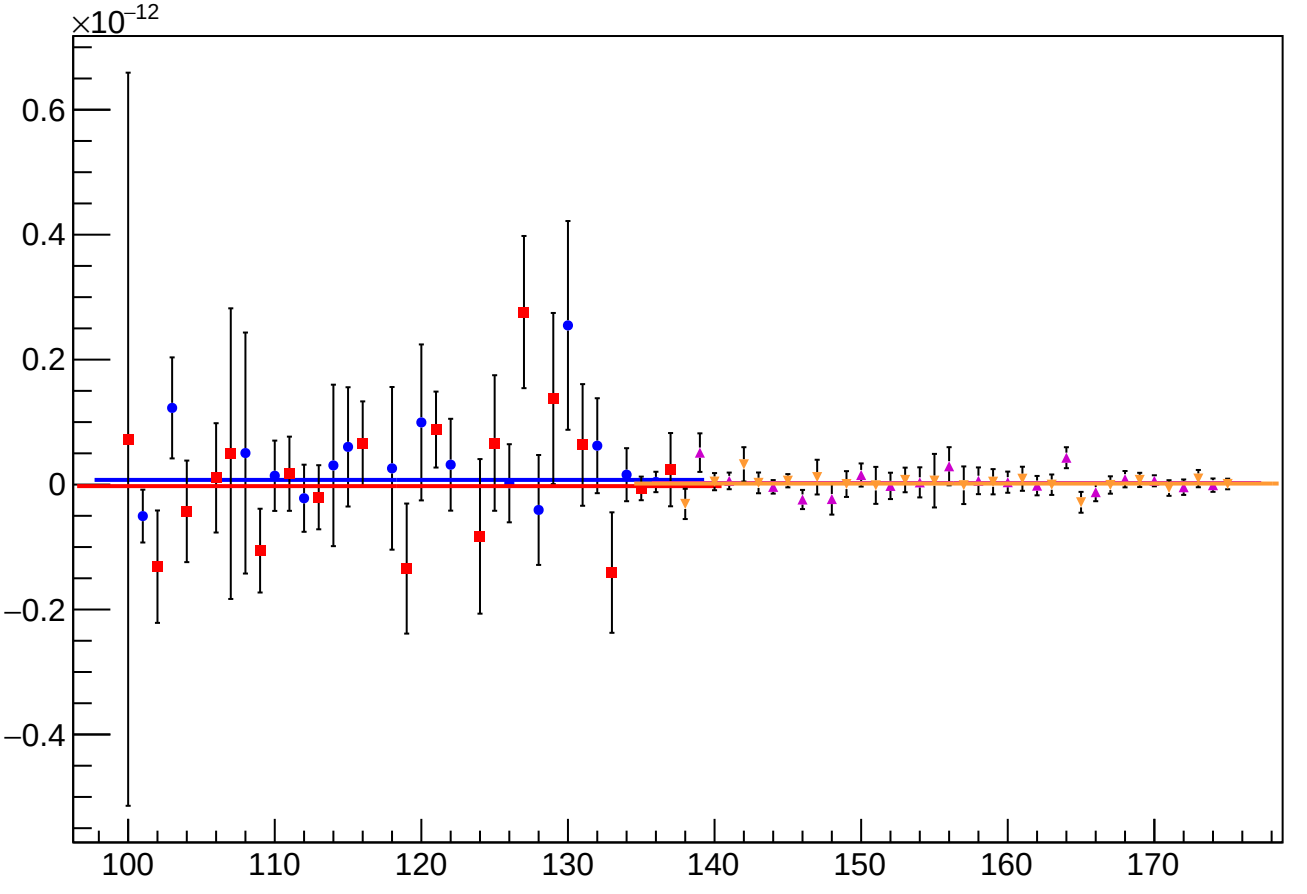
Left In: 23.824+/-0.006 χ^2/NDF:7483599.2/17

+ sign 30.380+/-0.006 χ^2/NDF: 12247044.9/35

All: 28.713+/-0.004 χ^2/NDF: 25631727.8/72

- sign 27.242+/-0.005 χ^2/NDF: 13230458.6/36

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

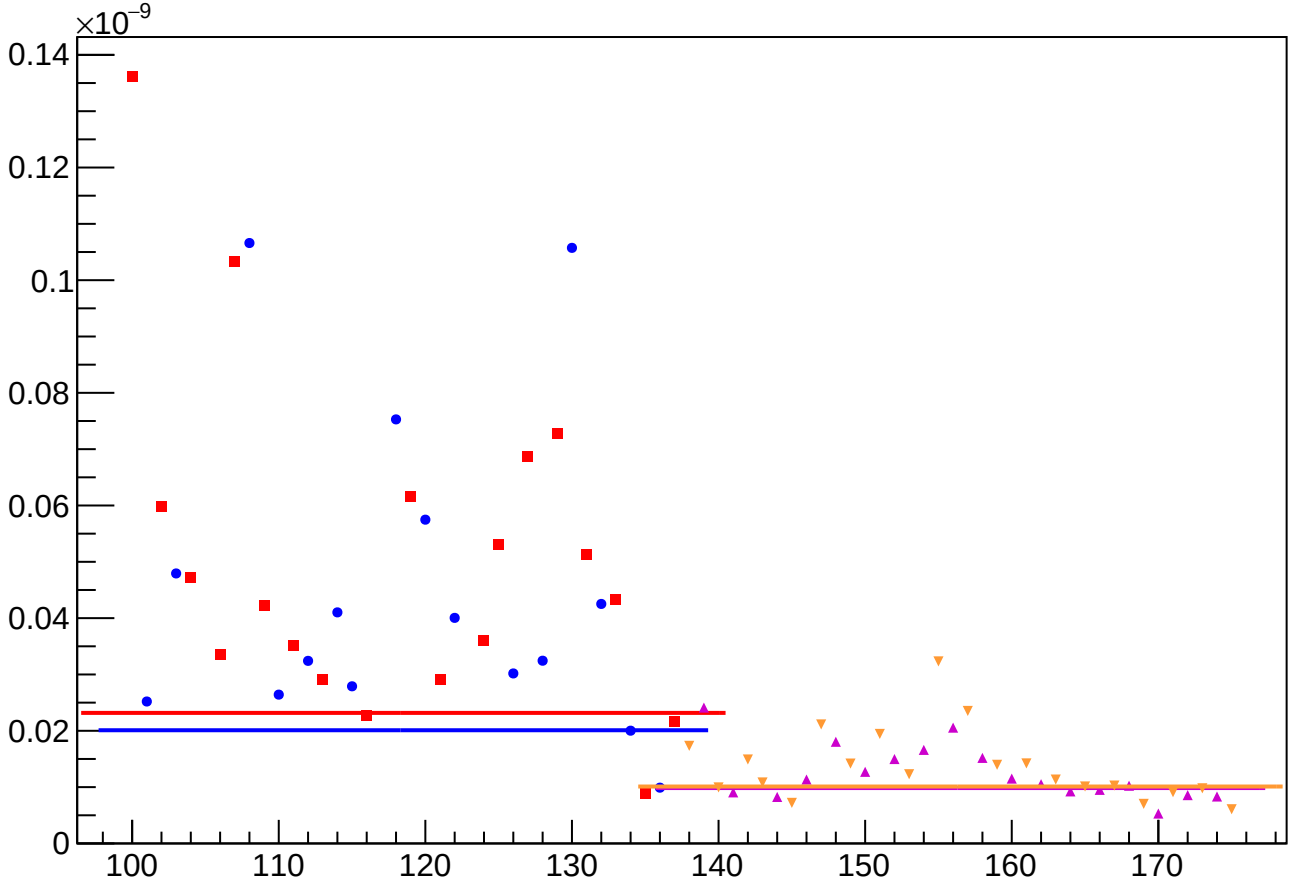
Left In: 0.000+/-0.000 χ^2/NDF:15.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 16.5/35

All: 0.000+/-0.000 χ^2/NDF: 52.2/72

- sign 0.000+/-0.000 χ^2/NDF: 35.7/36

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2729416.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

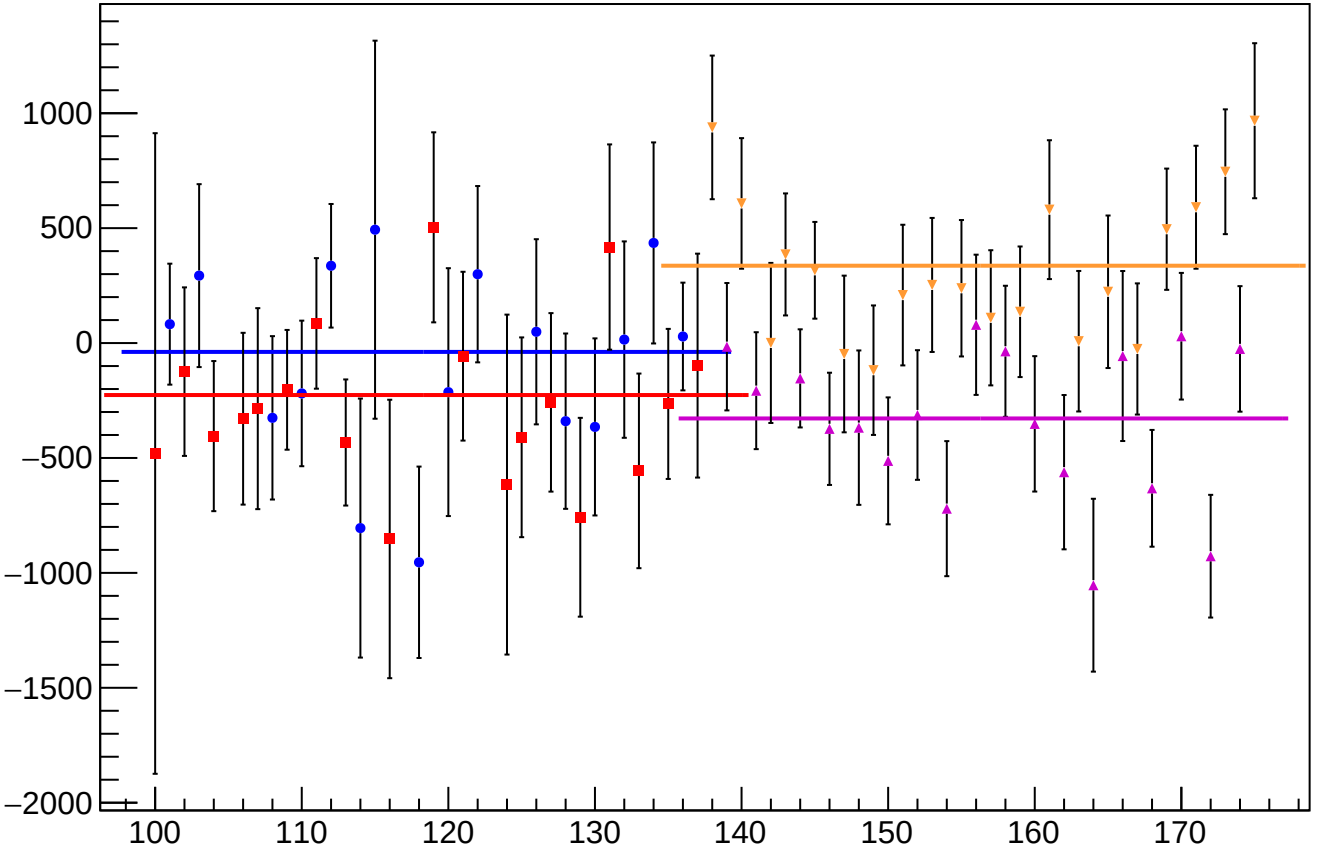
Left In: 0.000+/-0.000 χ^2/NDF:2025000.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 7099495.2/35

All: 0.000+/-0.000 χ^2/NDF: 14483037.4/72

- sign 0.000+/-0.000 χ^2/NDF: 7379900.0/36

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 336.567+/-64.509 χ^2/NDF:21.5/19

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

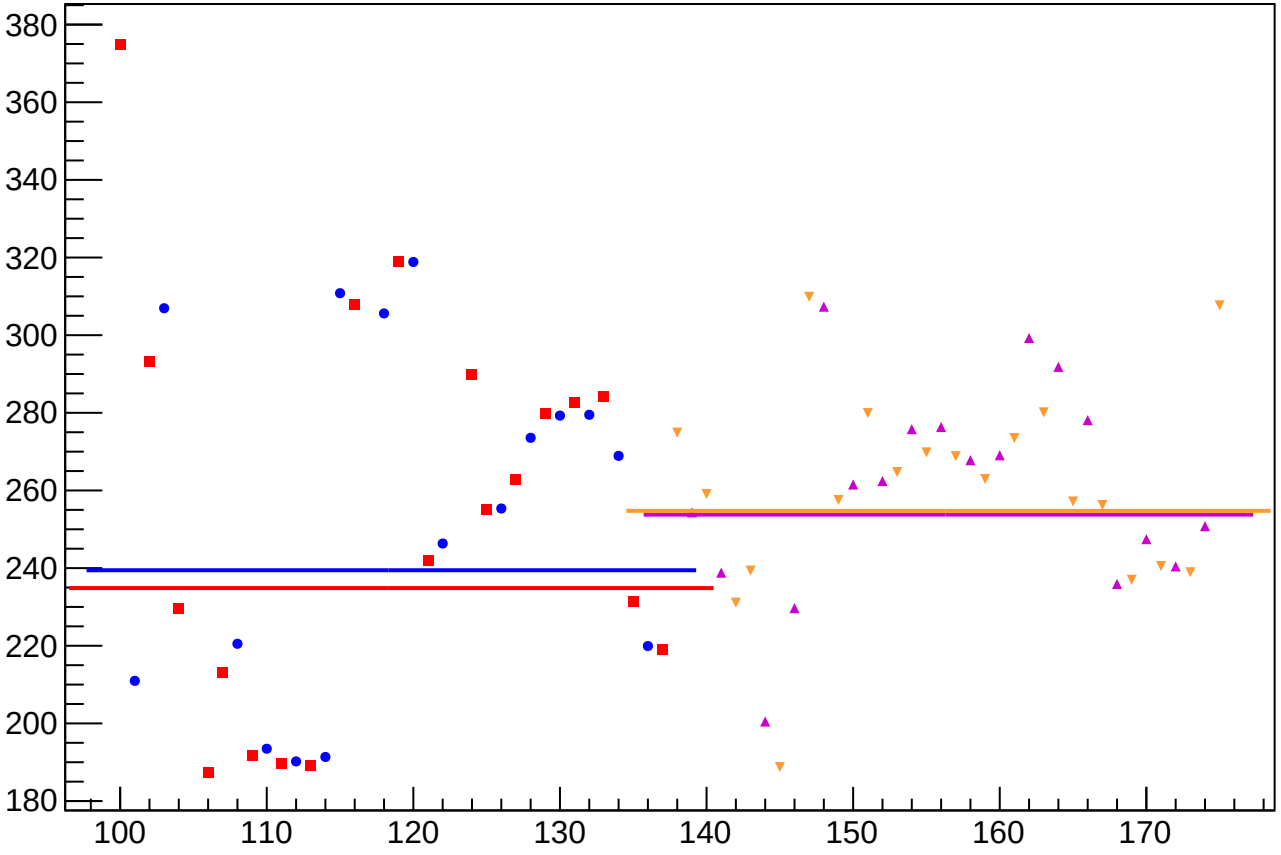
Left In: -328.046+/-66.337 χ^2/NDF:21.4/17

+ sign 210.423+/-52.553 χ^2/NDF: 47.3/35

All: -38.433+/-37.301 χ^2/NDF: 126.2/72

- sign -291.081+/-52.952 χ^2/NDF: 33.7/36

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 254.752+/-0.046 χ^2/NDF:393545.4/19

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

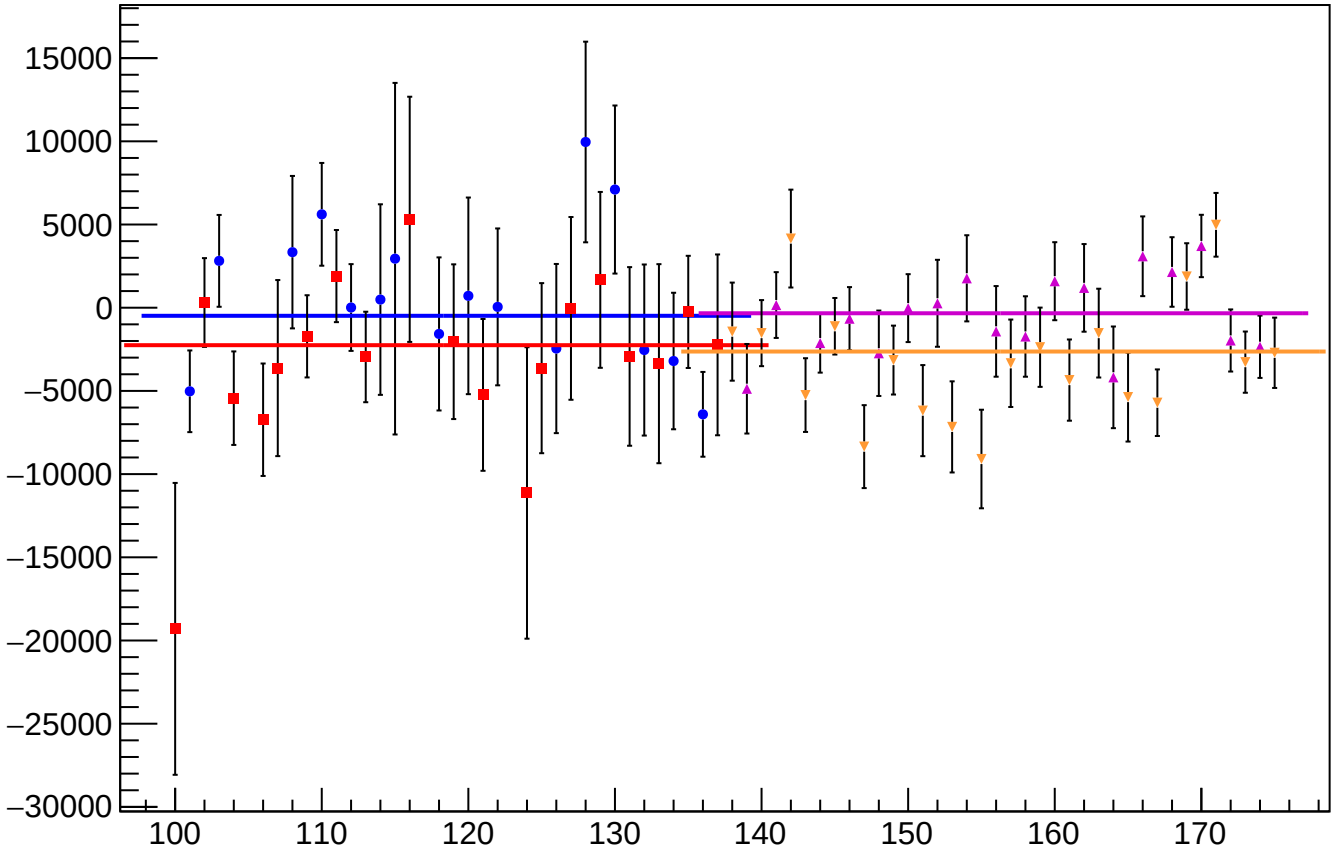
Left In: 253.776+/-0.047 χ^2/NDF:319733.6/17

+ sign 249.605+/-0.037 χ^2/NDF: 832354.8/35

All: 248.268+/-0.026 χ^2/NDF: 1695451.7/72

- sign 246.911+/-0.037 χ^2/NDF: 860487.7/36

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2633.135+/-508.230 χ^2/NDF:47.7/19

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

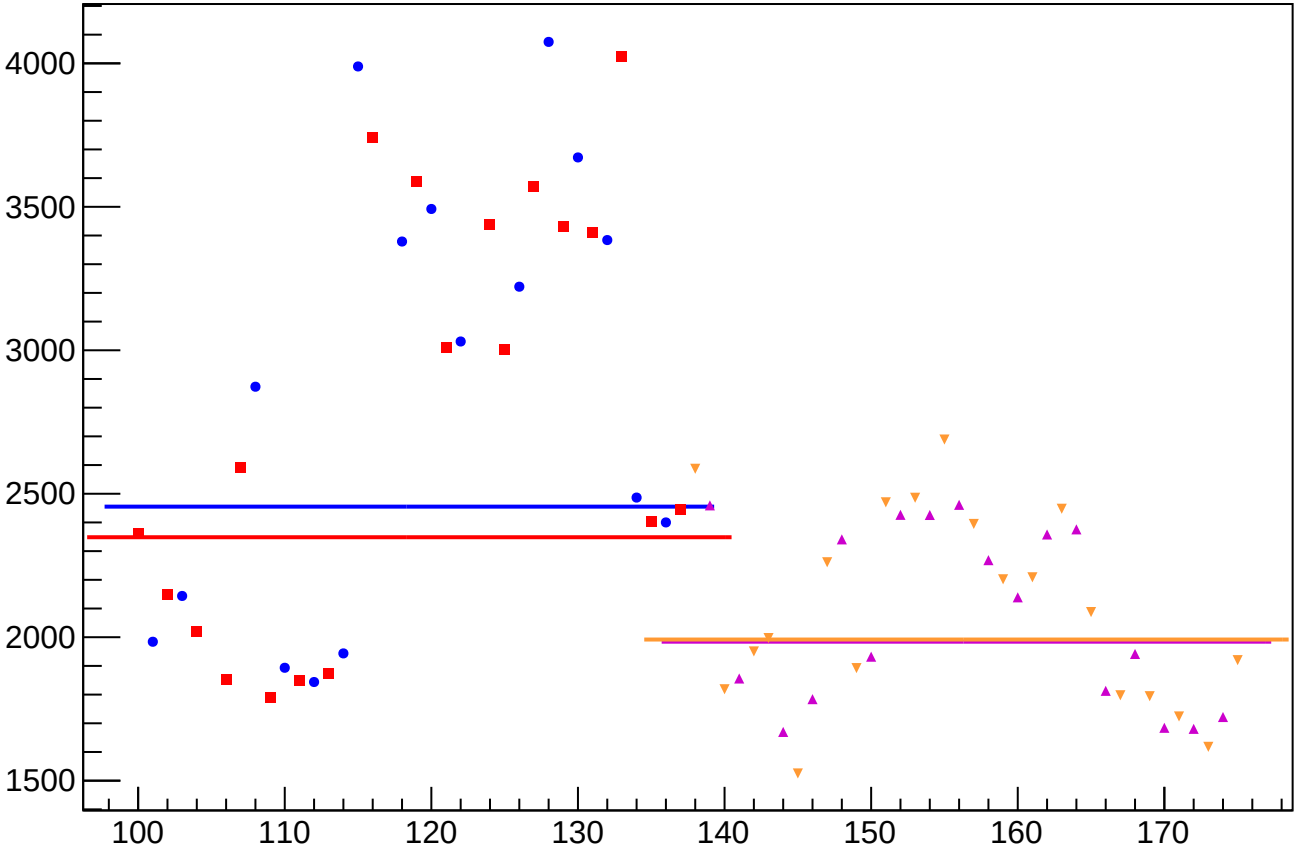
Left In: -333.686+/-521.710 χ^2/NDF:18.7/17

+ sign -2153.353+/-447.864 χ^2/NDF: 72.8/35

All: -1491.183+/-317.657 χ^2/NDF: 113.2/72

- sign -820.846+/-450.618 χ^2/NDF: 36.0/36

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1991.922+/-0.359 χ^2/NDF:814711.1/19

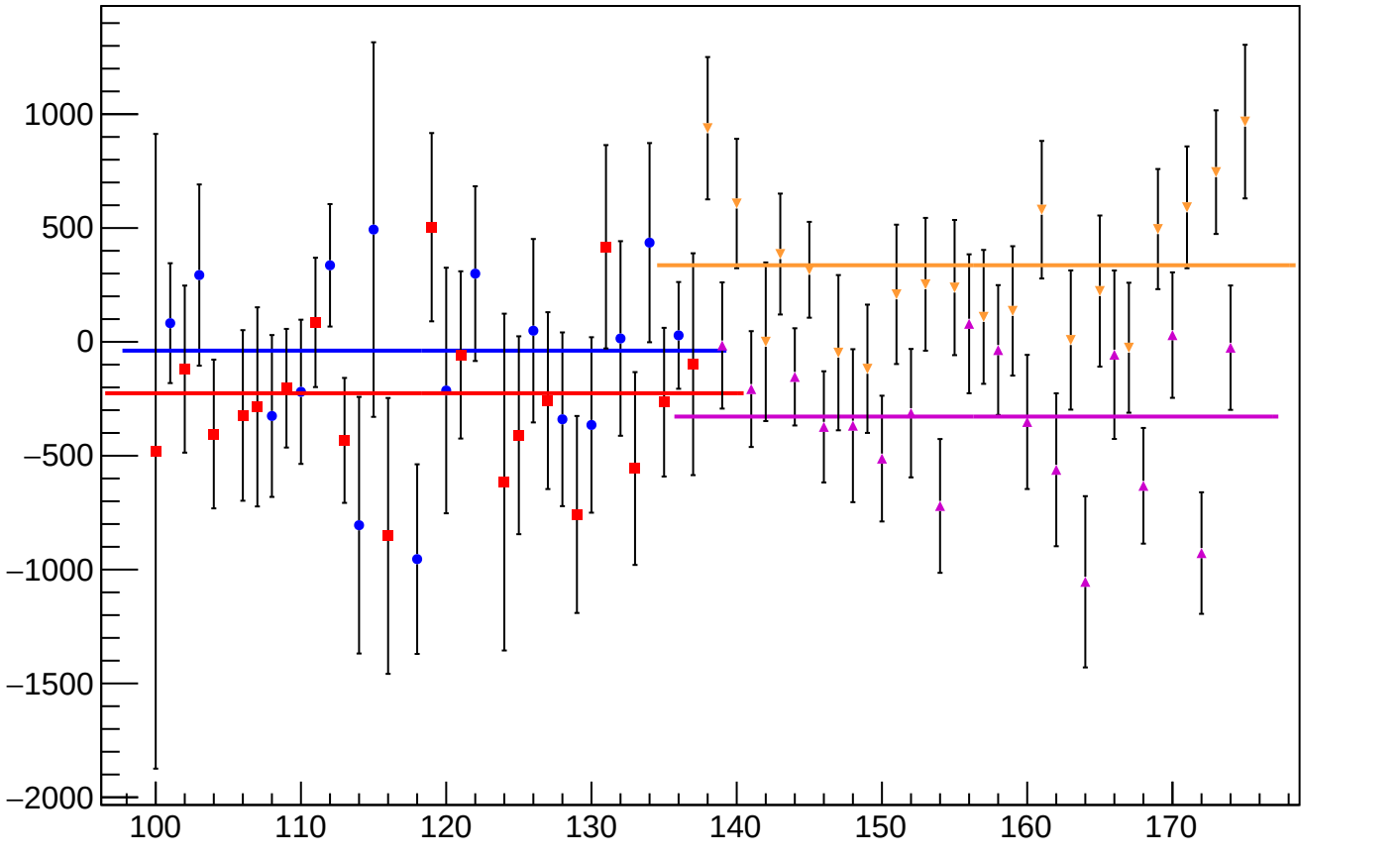
Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1984.417+/-0.369 χ^2/NDF:636282.3/17

+ sign 2095.418+/-0.317 χ^2/NDF: 2080278.5/35

All: 2086.200+/-0.225 χ^2/NDF: 4017985.3/72

- sign 2076.868+/-0.319 χ^2/NDF: 1936001.8/36



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 336.575+/-64.509 χ^2/NDF:21.5/19

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

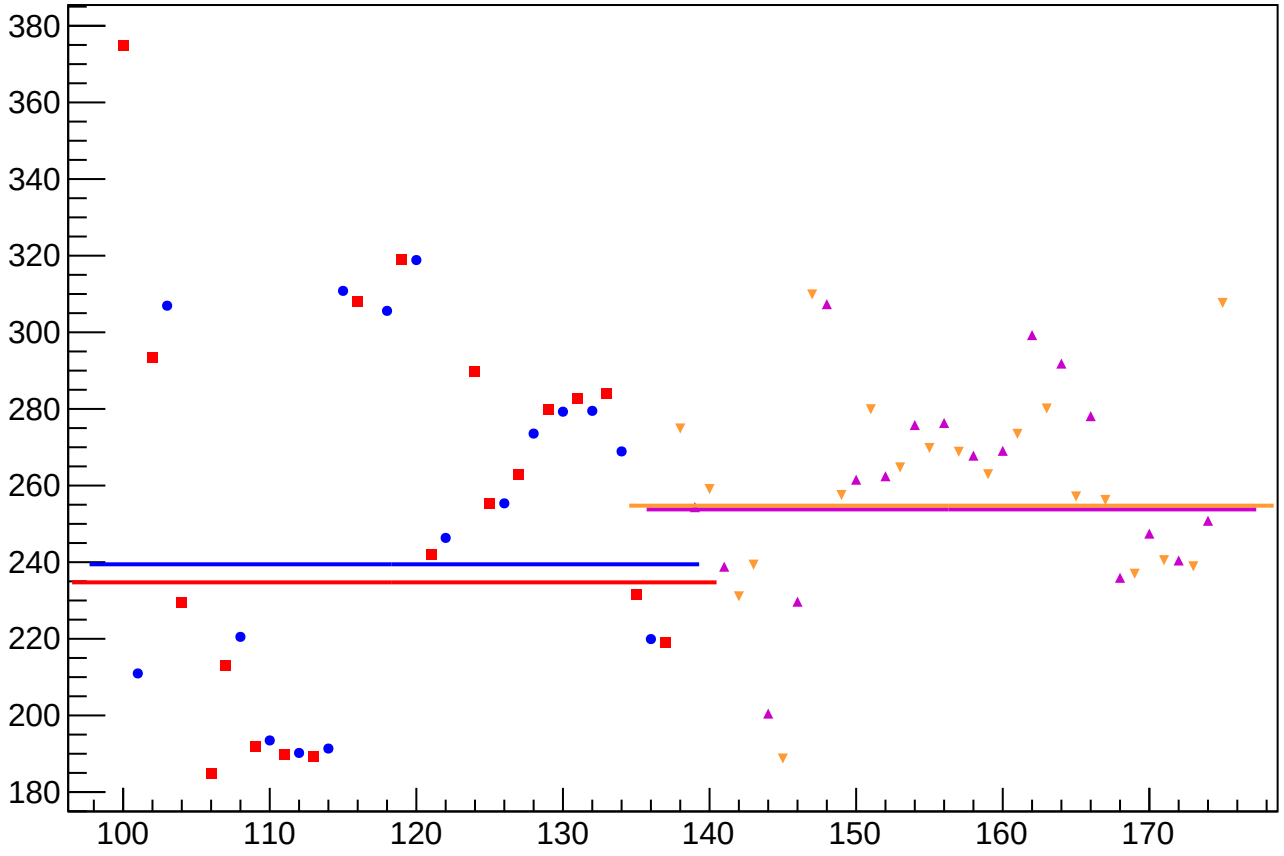
Left In: -328.045+/-66.337 χ^2/NDF:21.4/17

+ sign 210.421+/-52.553 χ^2/NDF: 47.3/35

All: -38.306+/-37.302 χ^2/NDF: 126.2/72

- sign -290.851+/-52.955 χ^2/NDF: 33.7/36

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.752+/-0.046 χ^2/NDF:393545.4/19

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

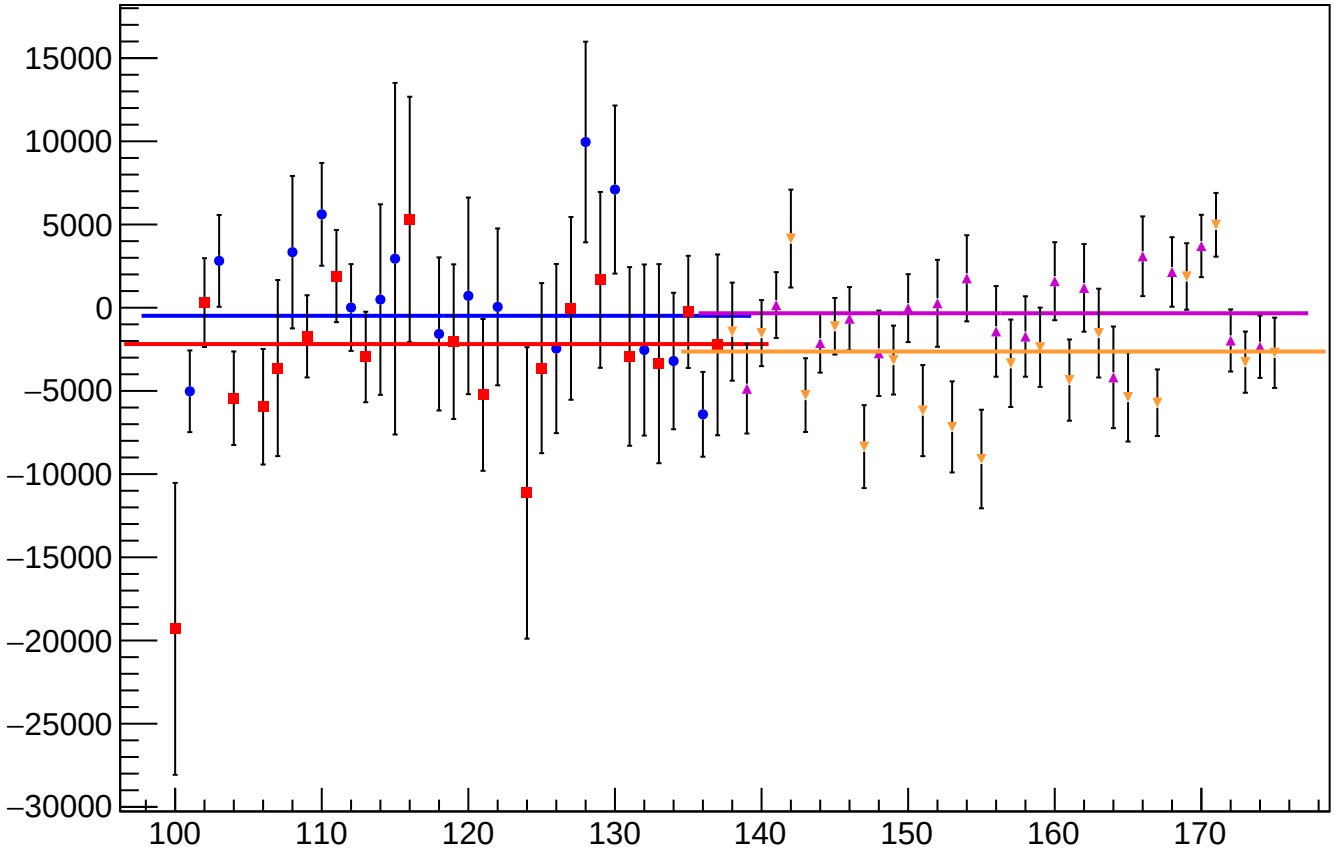
Left In: 253.776+/-0.047 χ^2/NDF:319733.6/17

+ sign 249.605+/-0.037 χ^2/NDF: 832356.9/35

All: 248.247+/-0.026 χ^2/NDF: 1699810.4/72

- sign 246.868+/-0.037 χ^2/NDF: 864761.0/36

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2633.128+/-508.230 χ^2/NDF:47.7/19

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

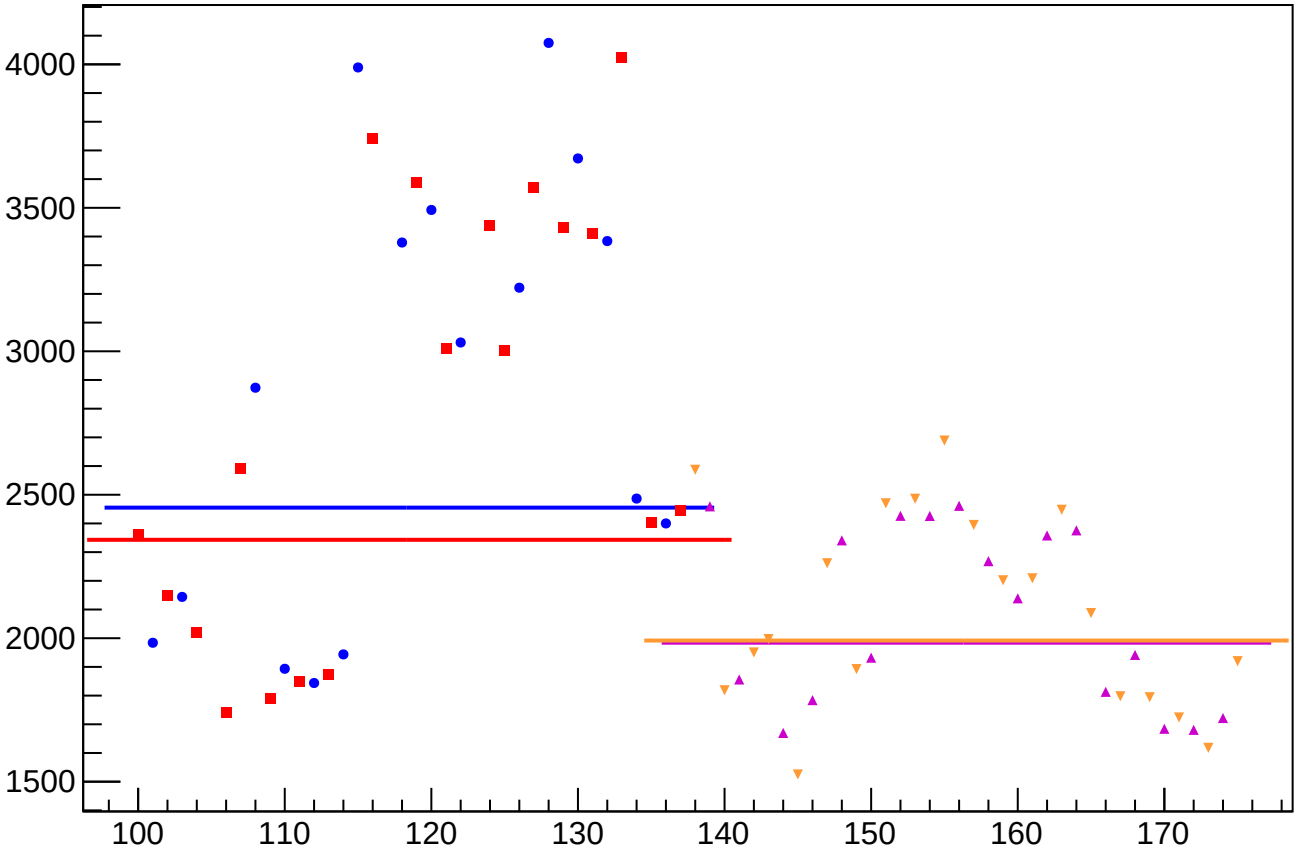
Left In: -333.698+/-521.710 χ^2/NDF:18.7/17

+ sign -2153.391+/-447.865 χ^2/NDF: 72.8/35

All: -1482.408+/-317.733 χ^2/NDF: 112.4/72

- sign -802.499+/-450.834 χ^2/NDF: 35.1/36

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1991.922+/-0.359 χ^2/NDF:814711.6/19

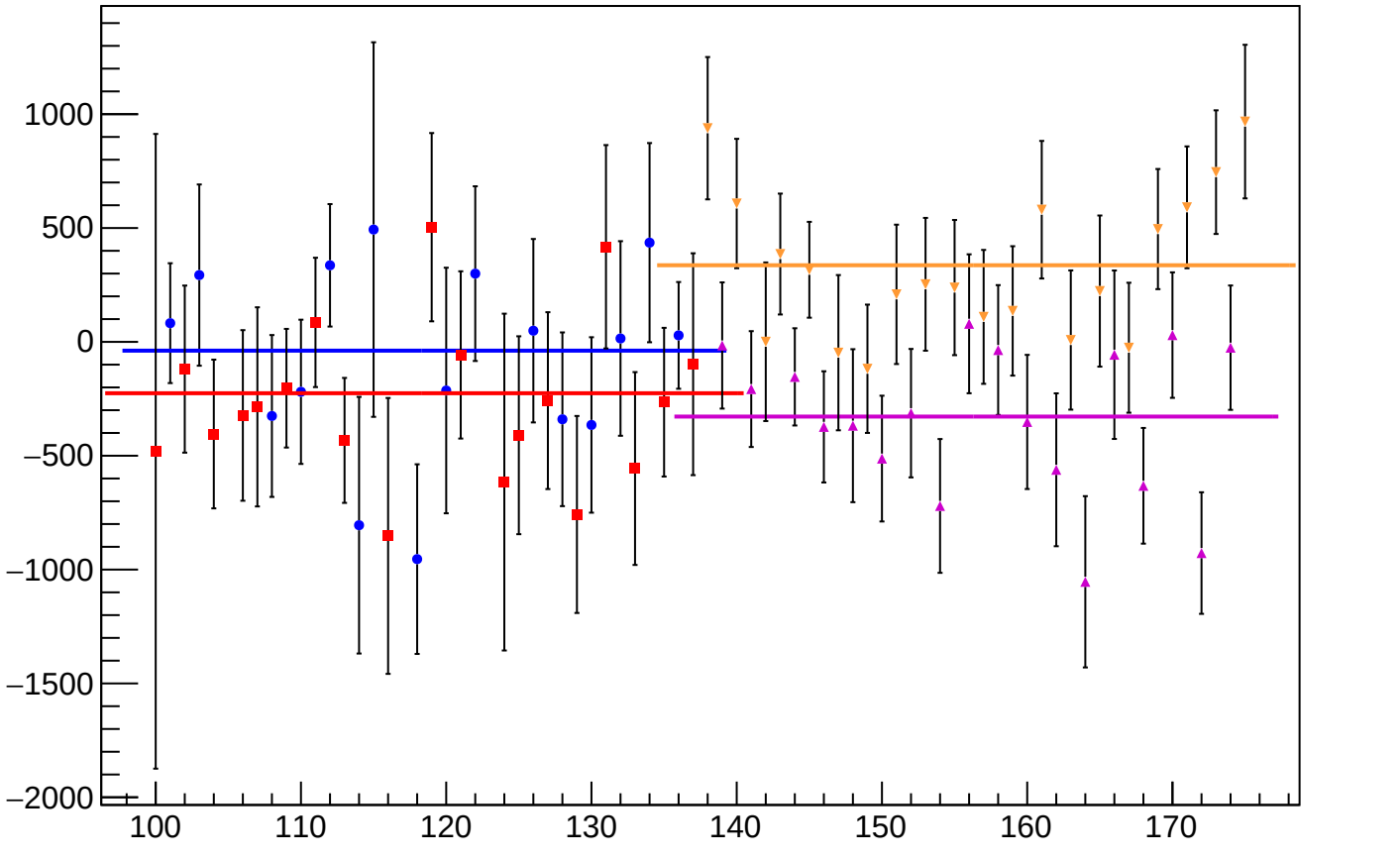
Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1984.417+/-0.369 χ^2/NDF:636282.5/17

+ sign 2095.422+/-0.317 χ^2/NDF: 2080282.1/35

All: 2085.386+/-0.225 χ^2/NDF: 4028192.0/72

- sign 2075.217+/-0.319 χ^2/NDF: 1945888.1/36



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 336.575+/-64.509 χ^2/NDF:21.5/19

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

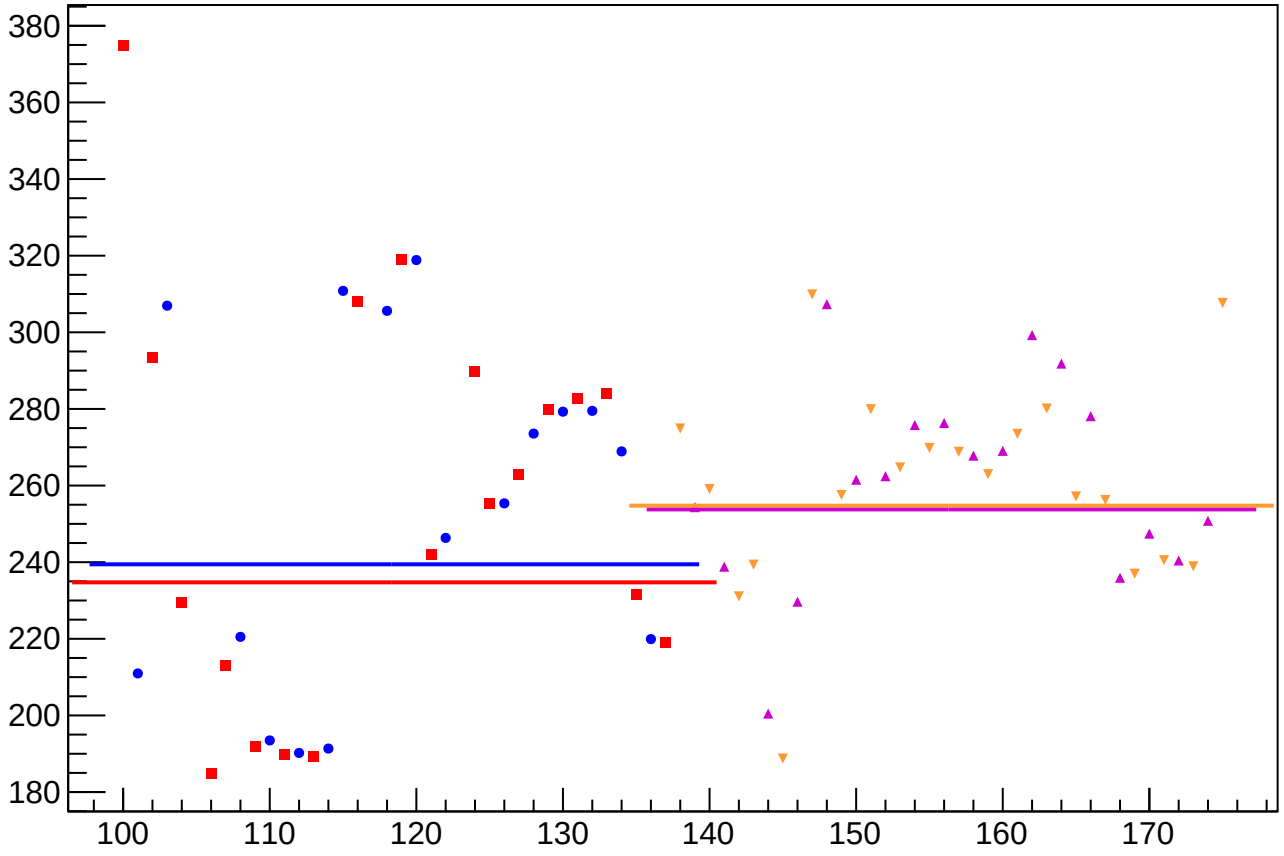
Left In: -328.045+/-66.337 χ^2/NDF:21.4/17

+ sign 210.421+/-52.553 χ^2/NDF: 47.3/35

All: -38.306+/-37.302 χ^2/NDF: 126.2/72

- sign -290.851+/-52.955 χ^2/NDF: 33.7/36

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.752+/-0.046 χ^2/NDF:393545.4/19

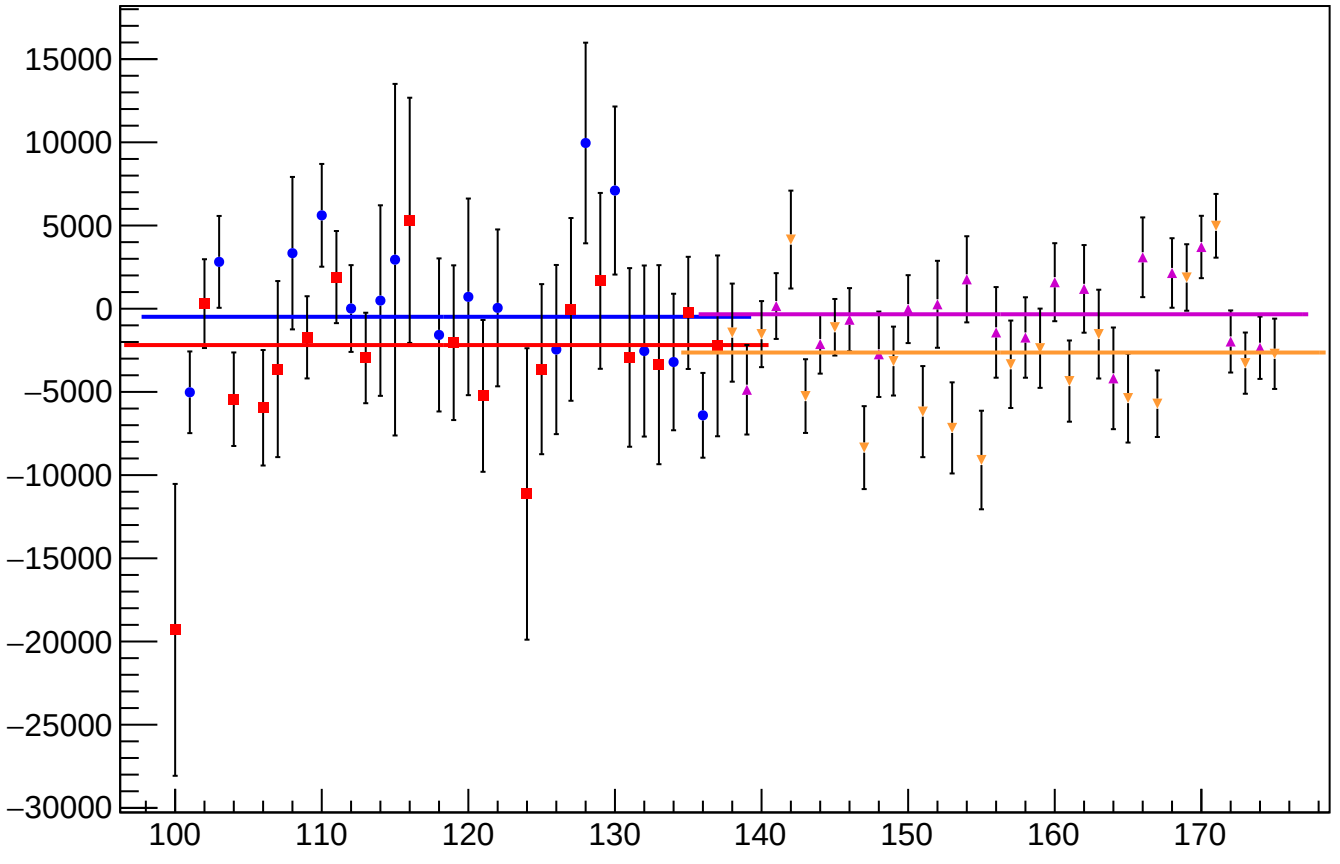
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 253.776+/-0.047 χ^2/NDF:319733.6/17

+ sign 249.605+/-0.037 χ^2/NDF: 832356.9/35

All: 248.247+/-0.026 χ^2/NDF: 1699810.4/72

- sign 246.868+/-0.037 χ^2/NDF: 864761.0/36



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2633.128+/-508.230 χ^2/NDF:47.7/19

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

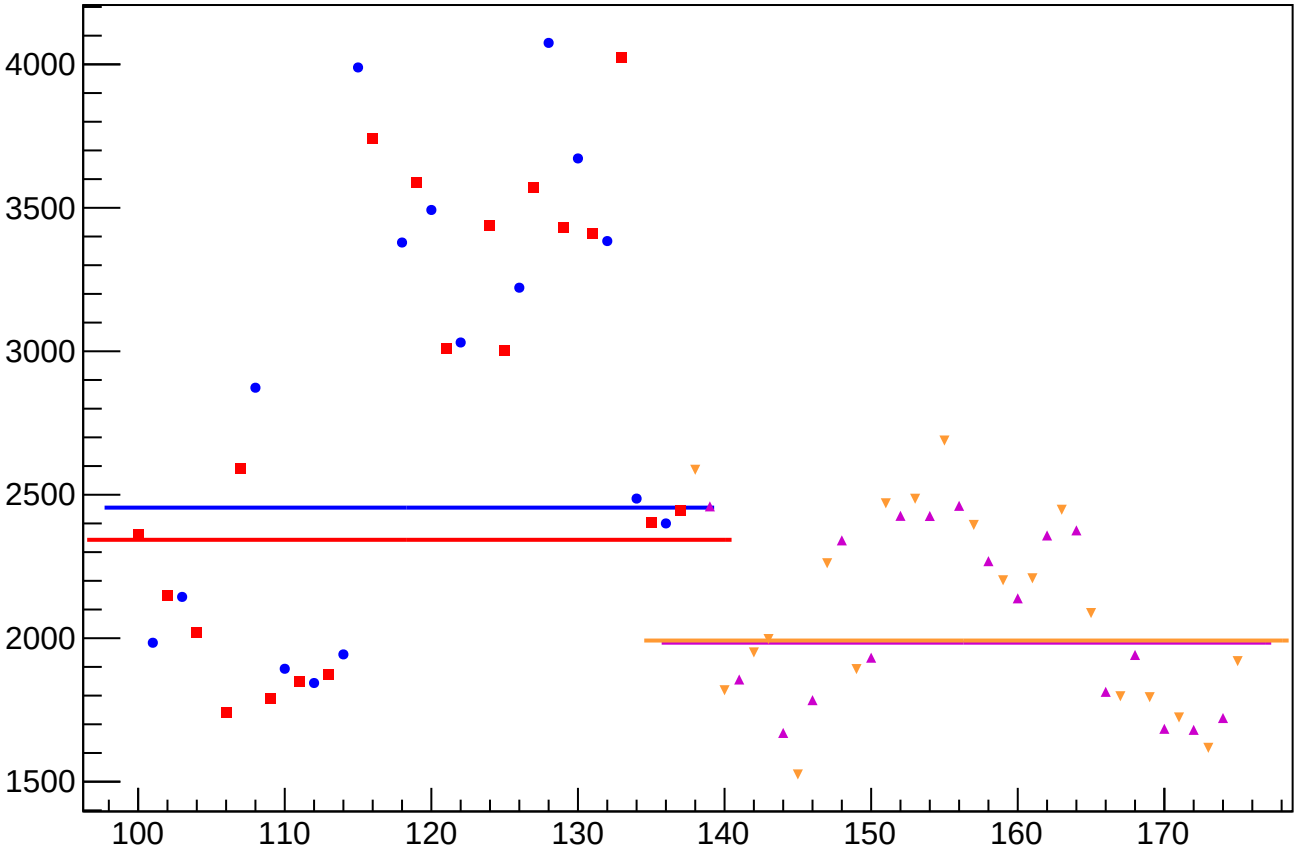
Left In: -333.698+/-521.710 χ^2/NDF:18.7/17

\+ sign -2153.391+/-447.865 χ^2/NDF: 72.8/35

All: -1482.408+/-317.733 χ^2/NDF: 112.4/72

\- sign -802.499+/-450.834 χ^2/NDF: 35.1/36

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1991.922+/-0.359 χ^2/NDF:814711.6/19

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

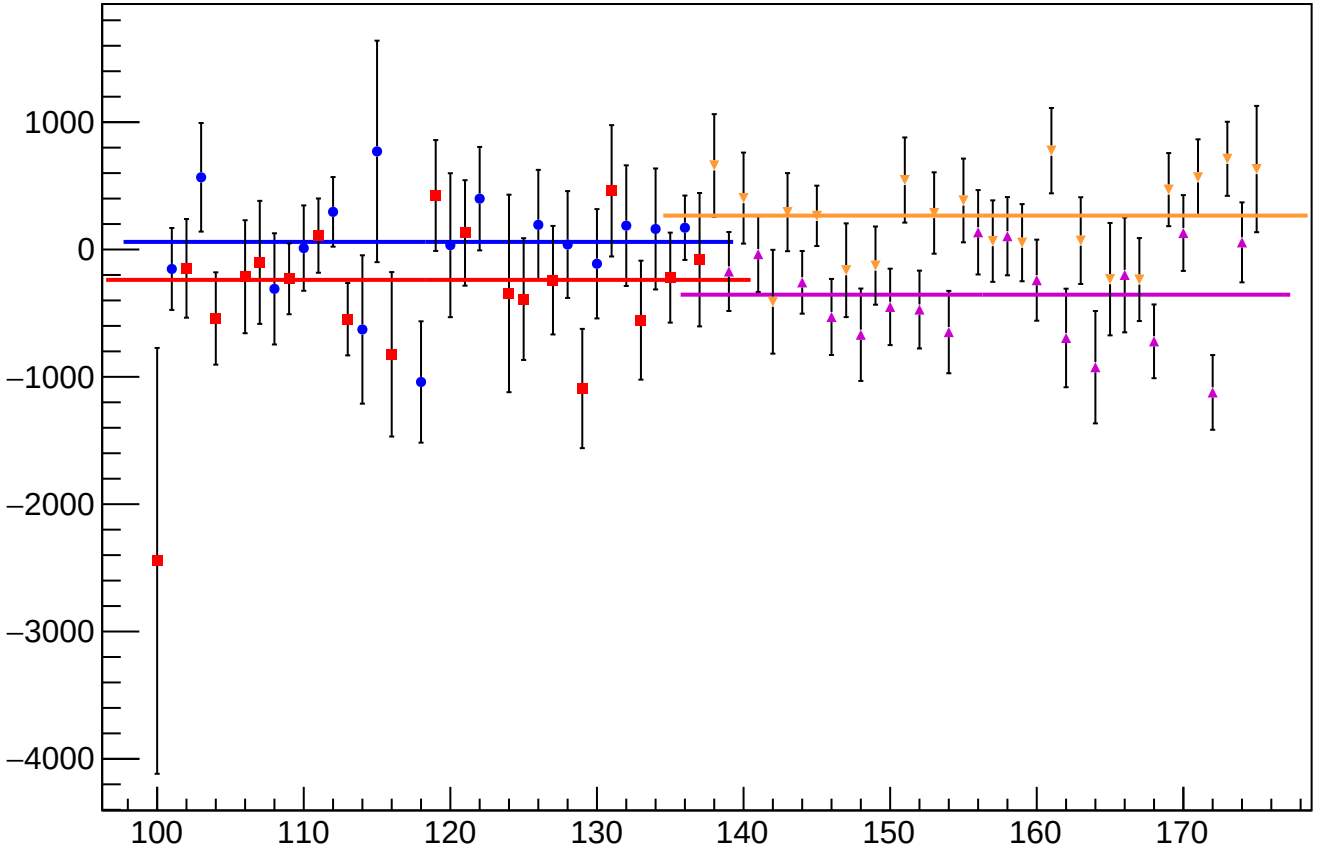
Left In: 1984.417+/-0.369 χ^2/NDF:636282.5/17

+ sign 2095.422+/-0.317 χ^2/NDF: 2080282.1/35

All: 2085.386+/-0.225 χ^2/NDF: 4028192.0/72

- sign 2075.217+/-0.319 χ^2/NDF: 1945888.1/36

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 266.444+/-73.238 χ^2/NDF:19.3/19

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

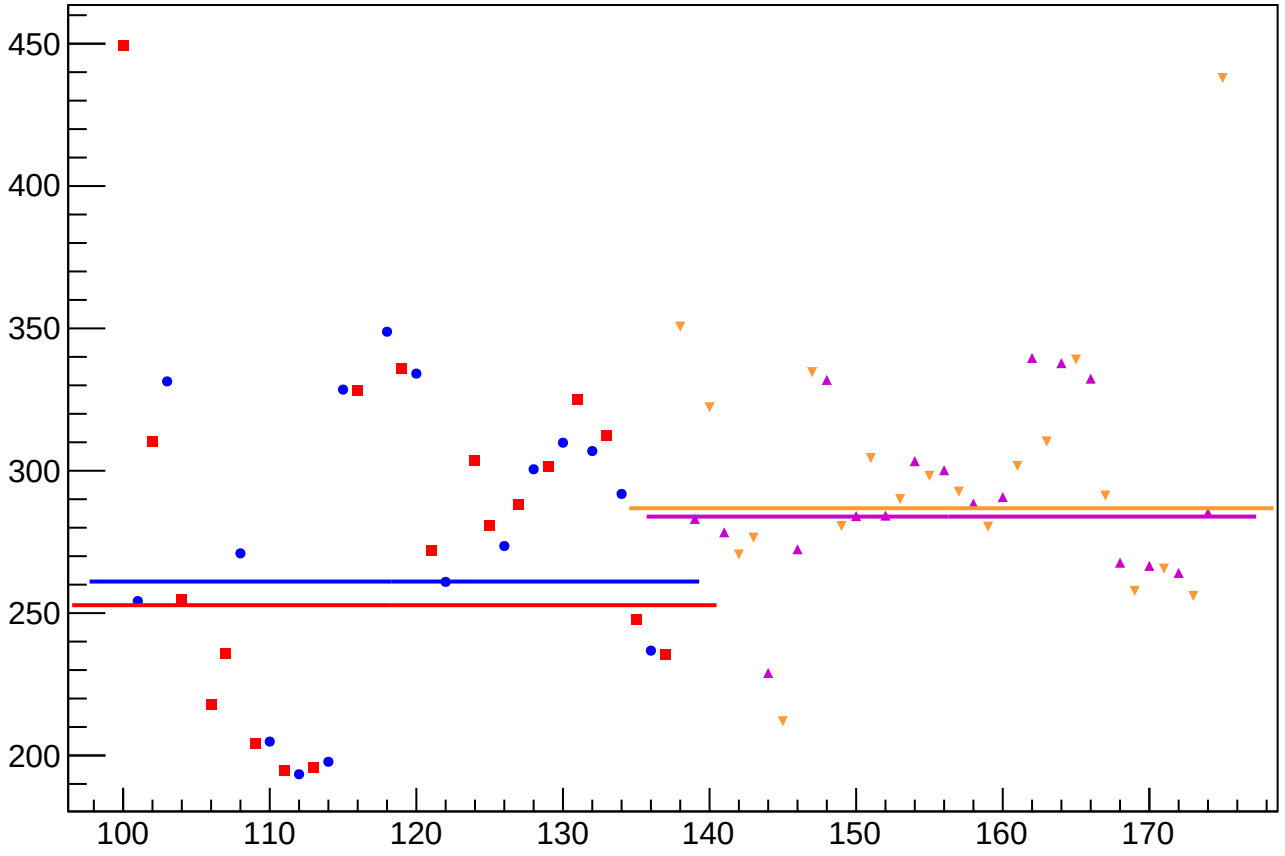
Left In: -354.751+/-74.605 χ^2/NDF:23.7/17

+ sign 193.547+/-58.926 χ^2/NDF: 34.1/35

All: -59.466+/-41.583 χ^2/NDF: 110.4/72

- sign -310.447+/-58.689 χ^2/NDF: 39.6/36

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 286.842+/-0.052 χ^2/NDF:599412.1/19

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

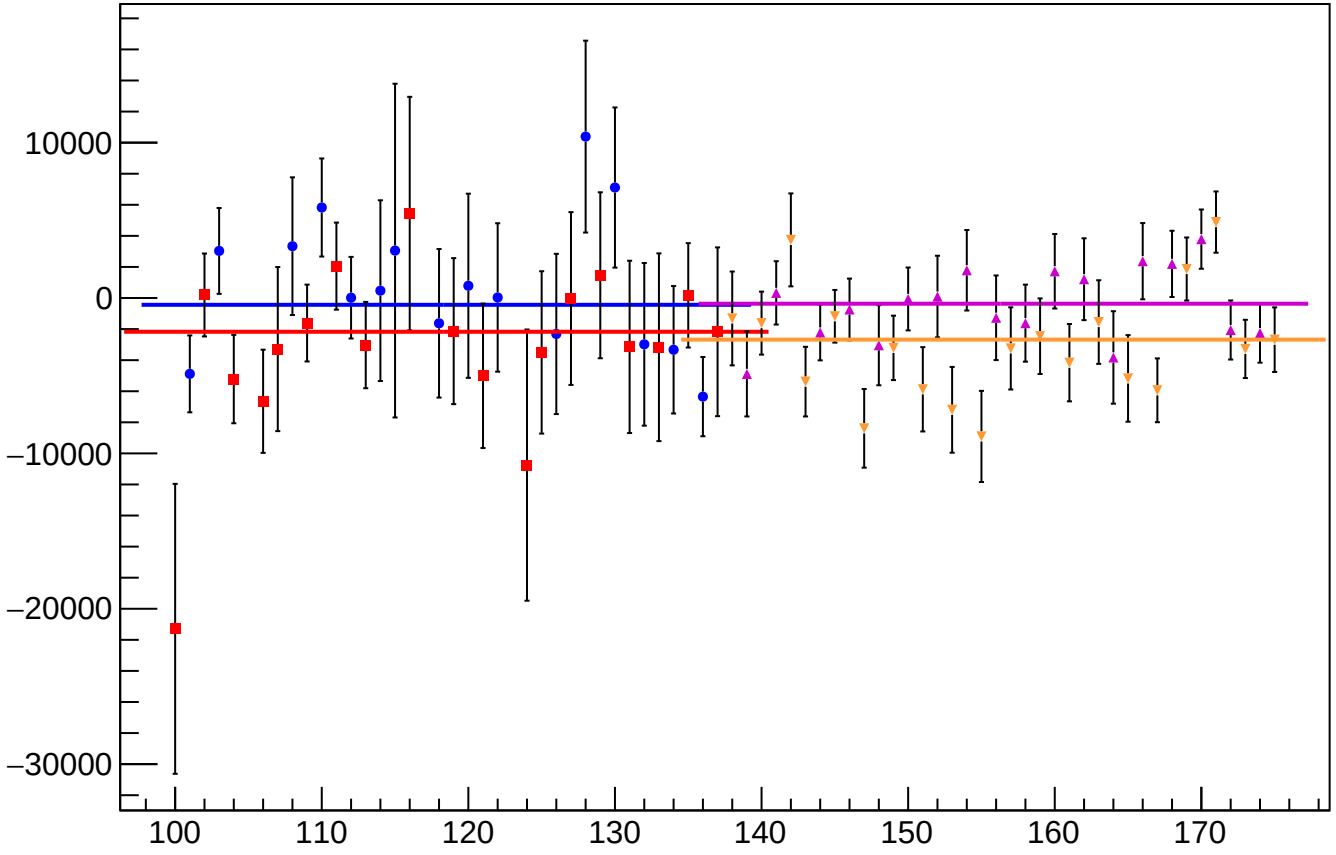
Left In: 283.898+/-0.053 χ^2/NDF:268234.8/17

+ sign 277.760+/-0.042 χ^2/NDF: 1149282.6/35

All: 274.889+/-0.029 χ^2/NDF: 2096832.0/72

- sign 272.040+/-0.041 χ^2/NDF: 938086.6/36

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2677.356+/-514.495 χ^2/NDF:44.8/19

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

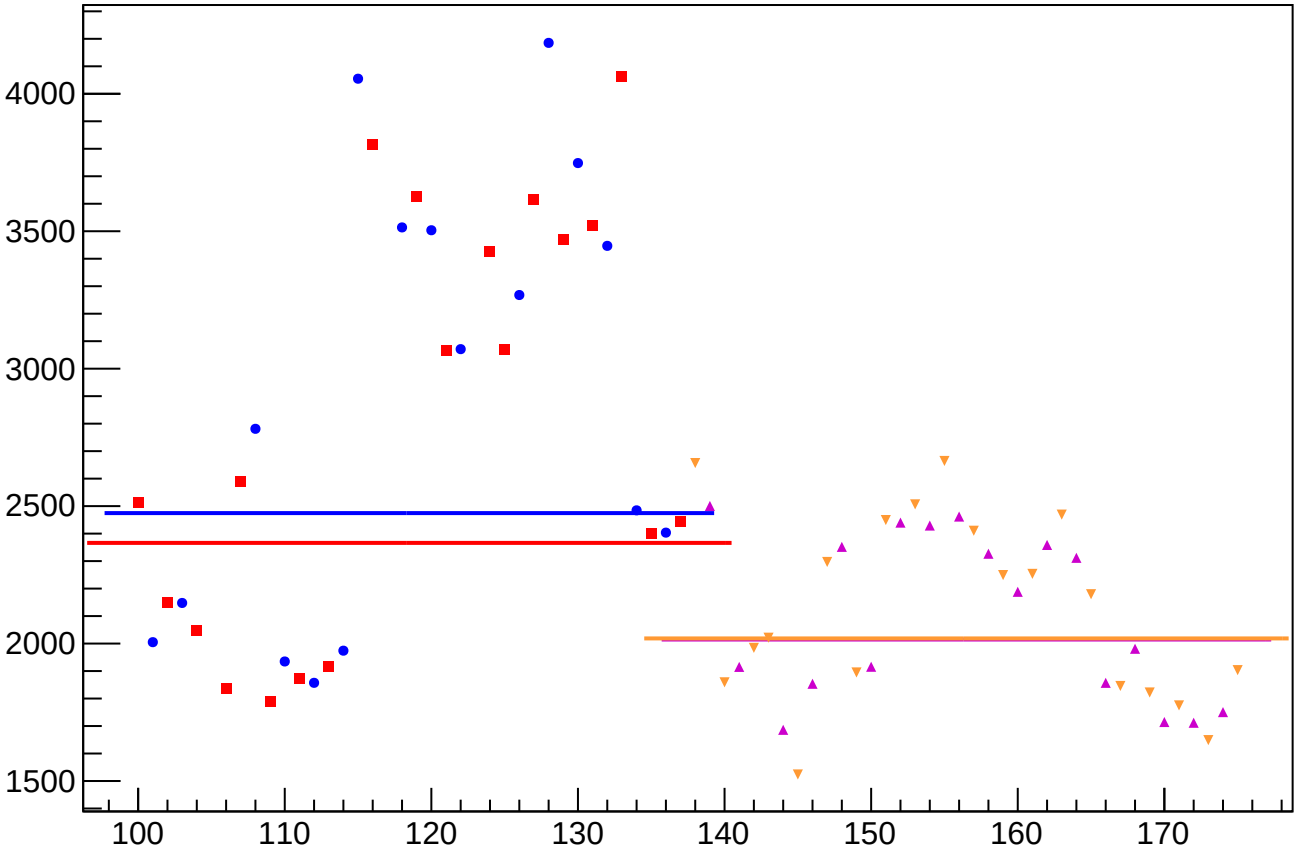
Left In: -365.977+/-529.317 χ^2/NDF:17.8/17

+ sign -2173.438+/-452.960 χ^2/NDF: 70.3/35

All: -1506.459+/-321.501 χ^2/NDF: 109.4/72

- sign -829.307+/-456.401 χ^2/NDF: 34.8/36

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2018.687+/-0.364 χ^2/NDF:803304.2/19

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

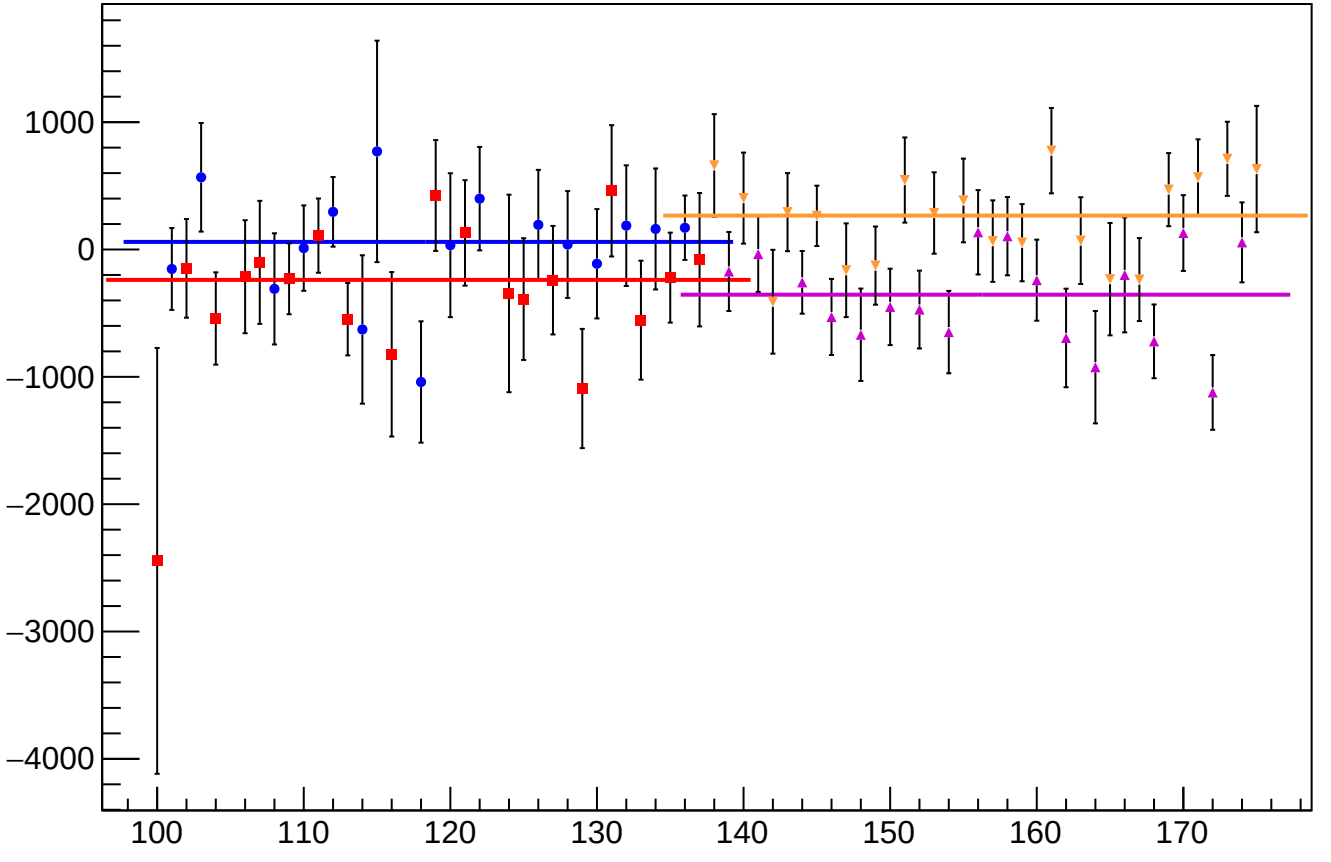
Left In: 2014.661+/-0.374 χ^2/NDF:588353.4/17

+ sign 2121.227+/-0.320 χ^2/NDF: 2072790.9/35

All: 2113.100+/-0.227 χ^2/NDF: 3965946.8/72

- sign 2104.849+/-0.323 χ^2/NDF: 1891858.3/36

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 266.449+/-73.238 χ^2/NDF:19.3/19

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

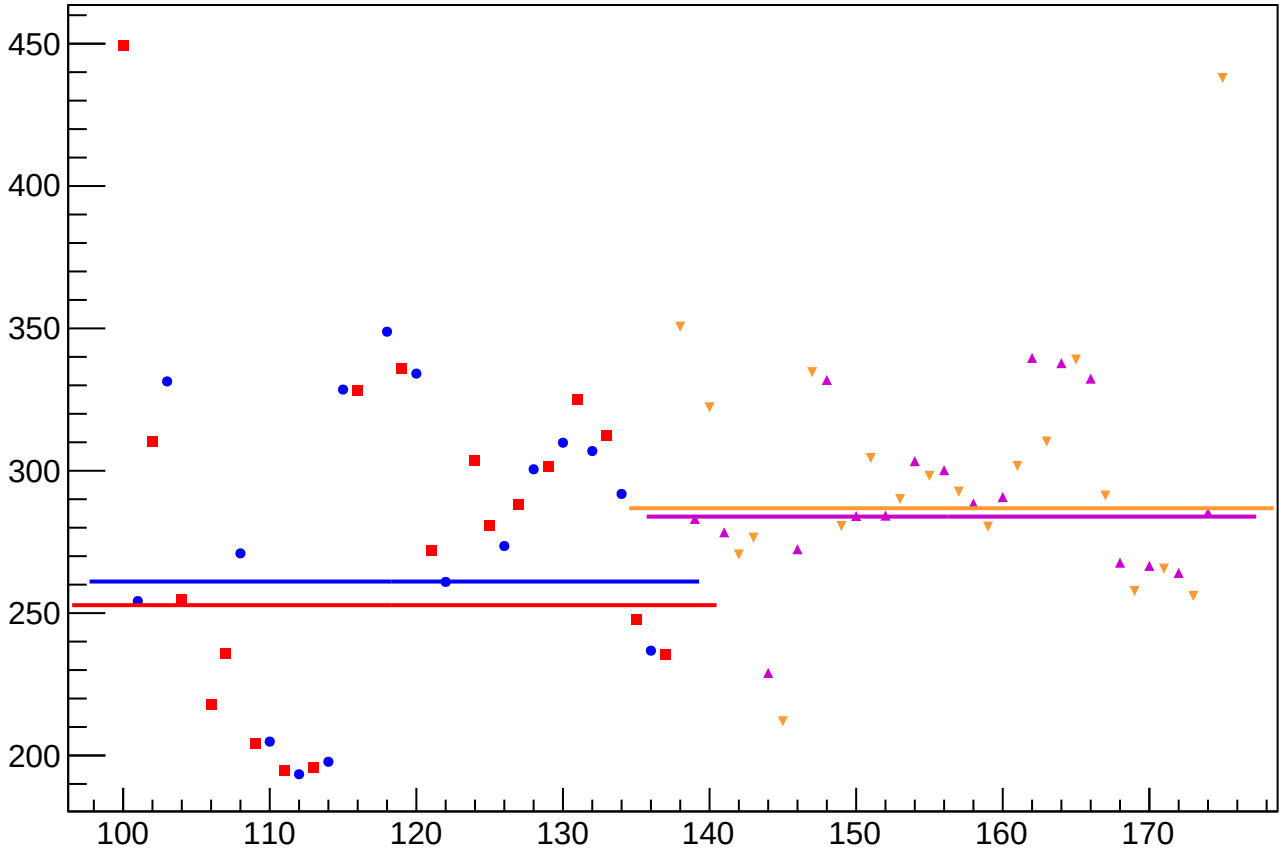
Left In: -354.752+/-74.605 χ^2/NDF:23.7/17

+ sign 193.552+/-58.926 χ^2/NDF: 34.1/35

All: -59.464+/-41.583 χ^2/NDF: 110.4/72

- sign -310.447+/-58.689 χ^2/NDF: 39.6/36

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 286.843+/-0.052 χ^2/NDF:599409.4/19

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

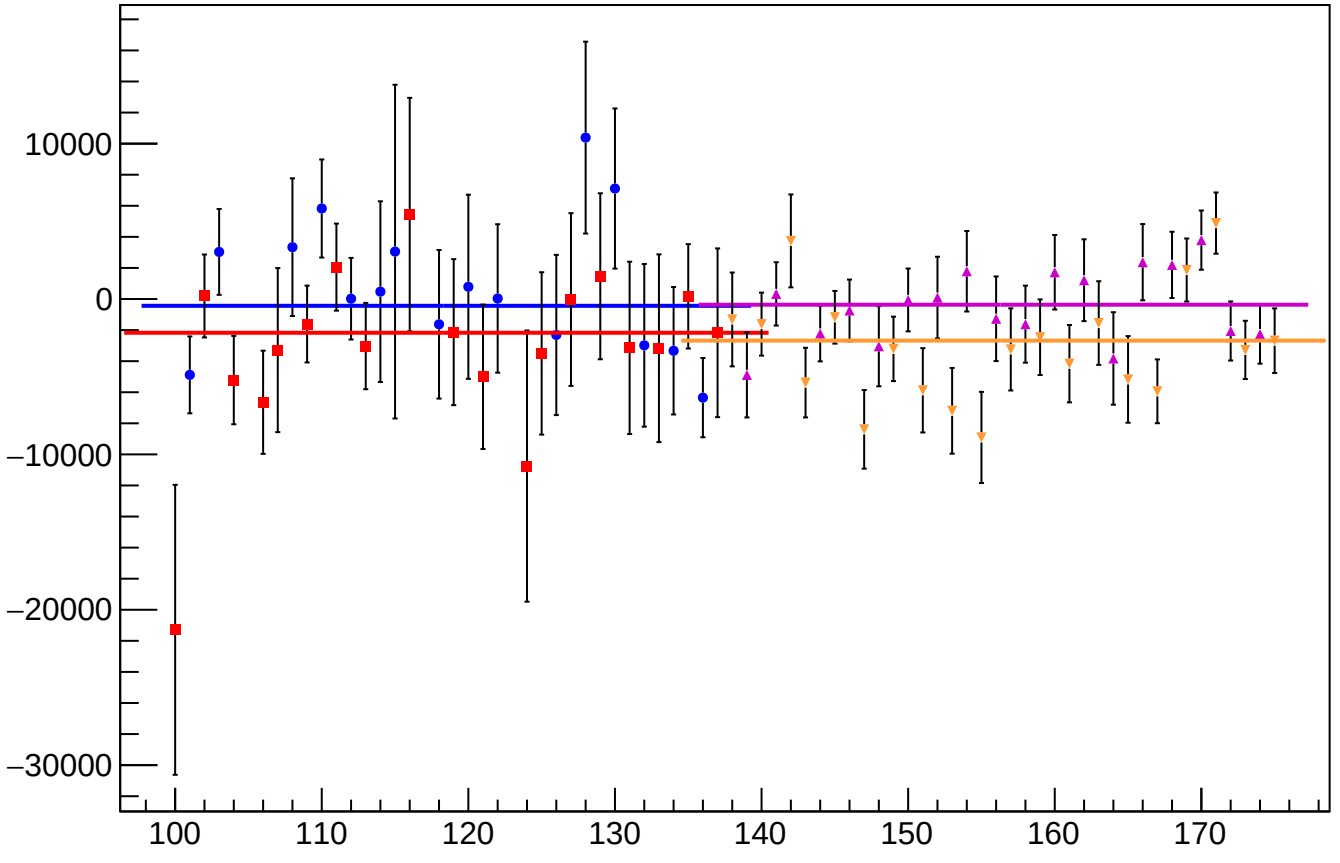
Left In: 283.898+/-0.053 χ^2/NDF:268234.0/17

+ sign 277.761+/-0.042 χ^2/NDF: 1149285.2/35

All: 274.889+/-0.029 χ^2/NDF: 2096840.0/72

- sign 272.040+/-0.041 χ^2/NDF: 938091.9/36

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2677.351+/-514.494 χ^2/NDF:44.8/19

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

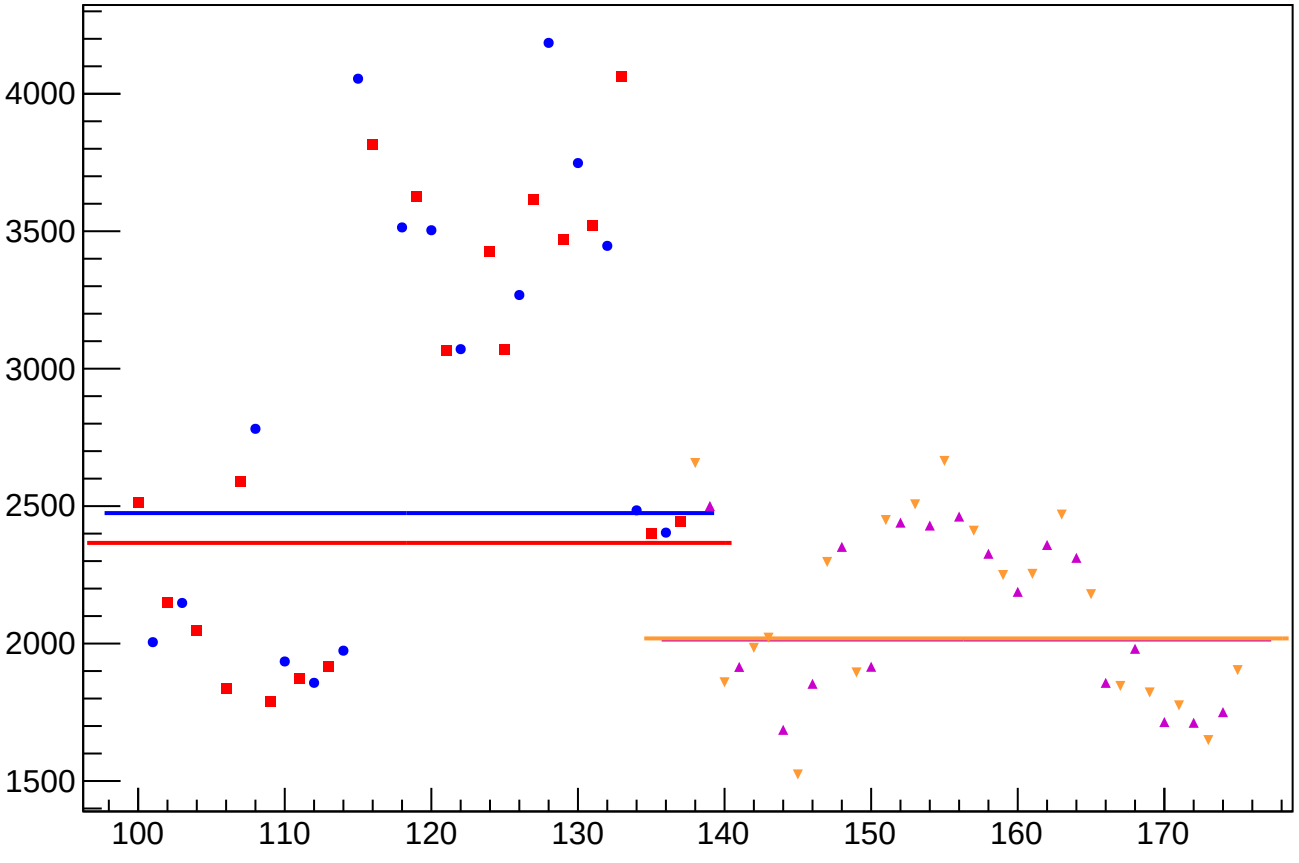
Left In: -365.974+/-529.317 χ^2/NDF:17.8/17

+ sign -2173.434+/-452.959 χ^2/NDF: 70.3/35

All: -1506.456+/-321.500 χ^2/NDF: 109.4/72

- sign -829.304+/-456.401 χ^2/NDF: 34.8/36

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2018.684+/-0.364 χ^2/NDF:803308.4/19

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

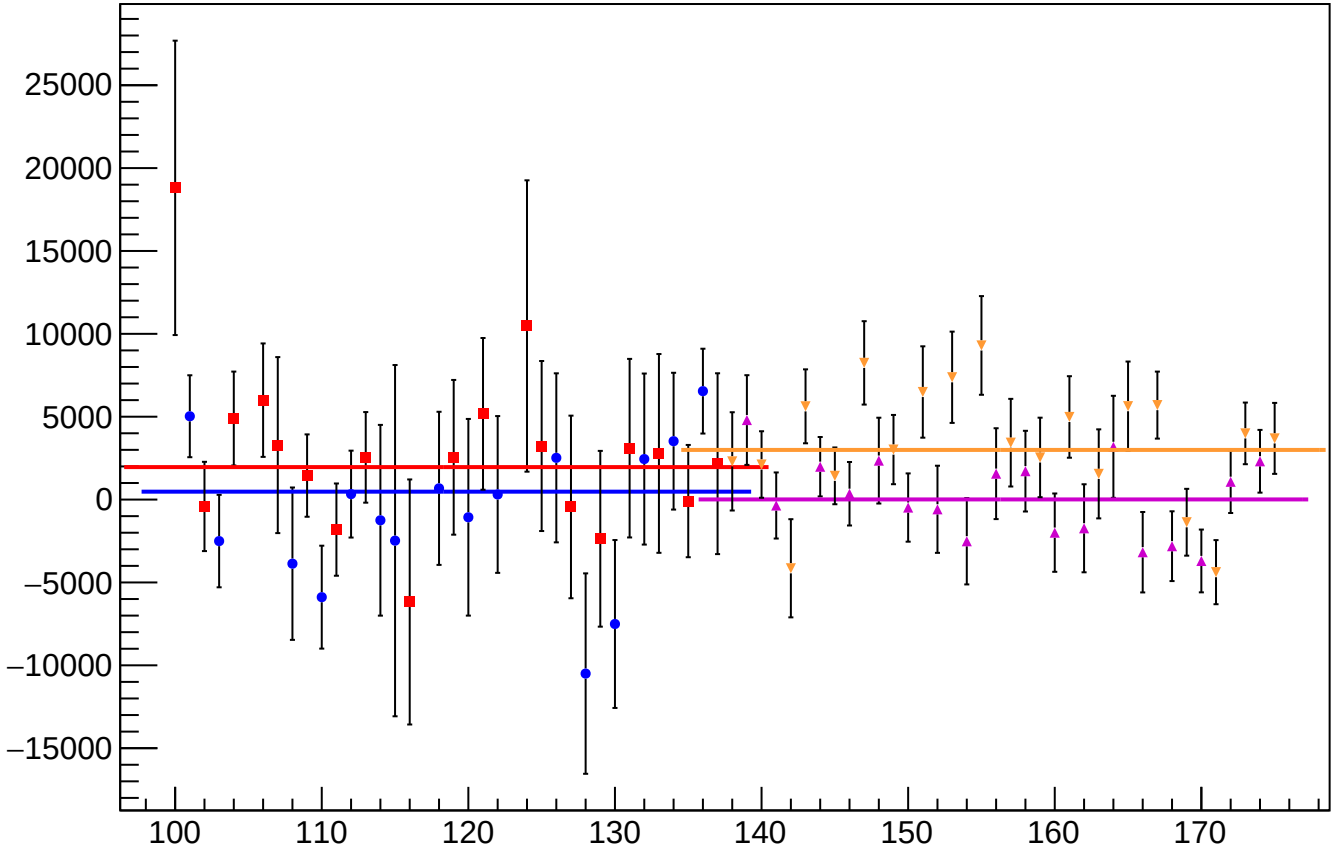
Left In: 2014.659+/-0.374 χ^2/NDF:588354.3/17

+ sign 2121.225+/-0.320 χ^2/NDF: 2072800.4/35

All: 2113.097+/-0.227 χ^2/NDF: 3965960.9/72

- sign 2104.846+/-0.323 χ^2/NDF: 1891862.9/36

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2995.794+/-512.631 χ^2/NDF:44.6/19

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

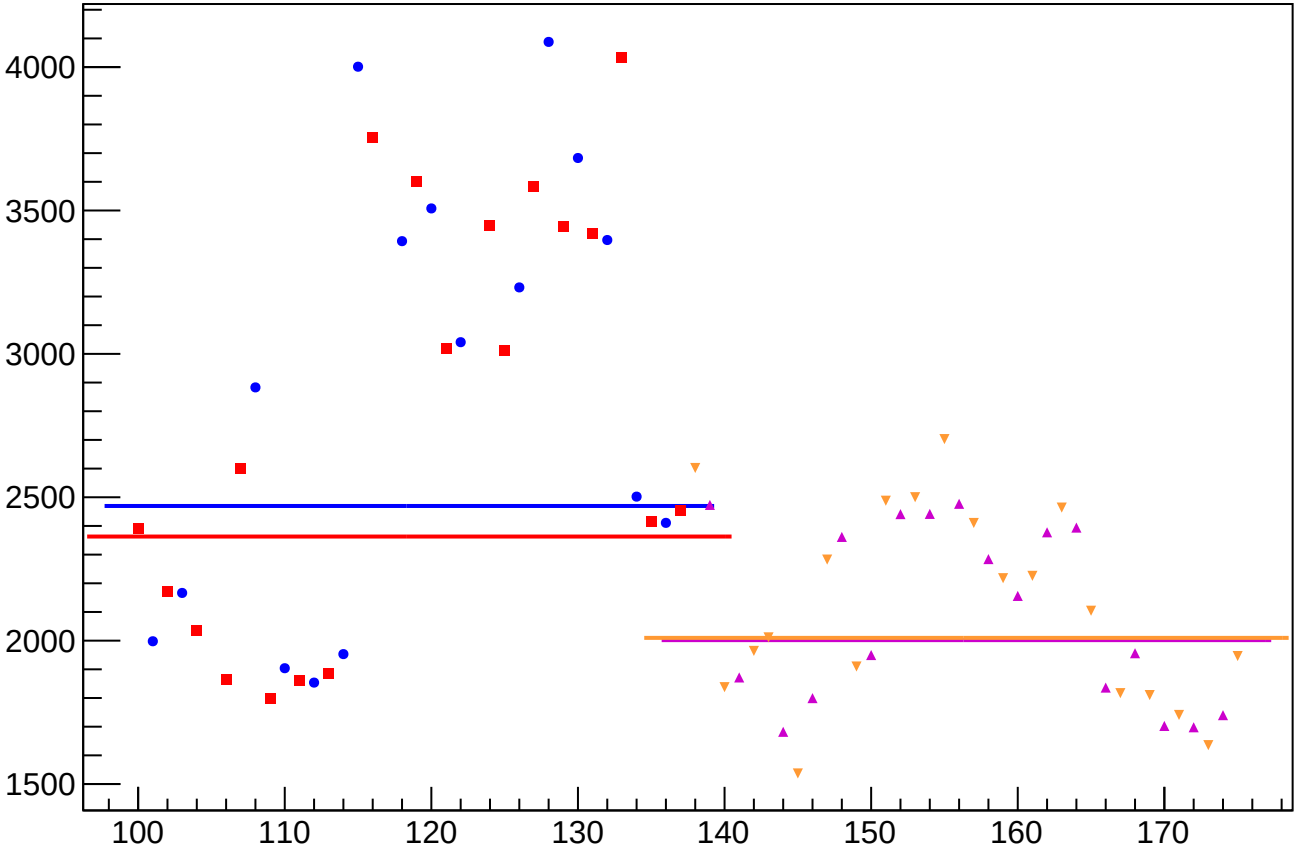
Left In: 9.118+/-526.178 χ^2/NDF:18.5/17

+ sign 2430.373+/-451.434 χ^2/NDF: 72.2/35

All: 1474.168+/-320.187 χ^2/NDF: 116.0/72

- sign 506.193+/-454.204 χ^2/NDF: 34.8/36

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2009.685+/-0.362 χ^2/NDF:802811.5/19

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

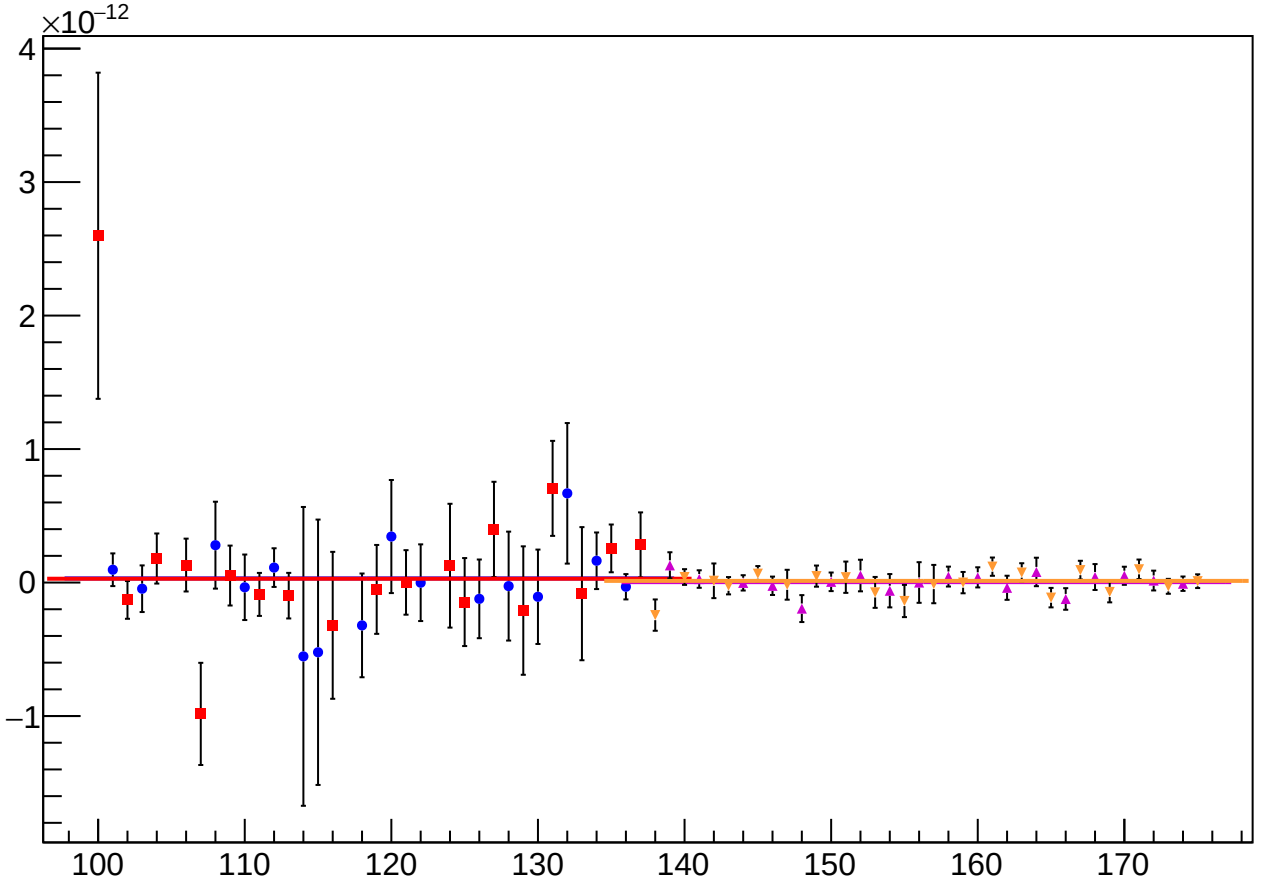
Left In: 2001.820+/-0.372 χ^2/NDF:626619.7/17

+ sign 2112.947+/-0.319 χ^2/NDF: 2050464.5/35

All: 2103.474+/-0.226 χ^2/NDF: 3962439.3/72

- sign 2093.884+/-0.321 χ^2/NDF: 1910202.6/36

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

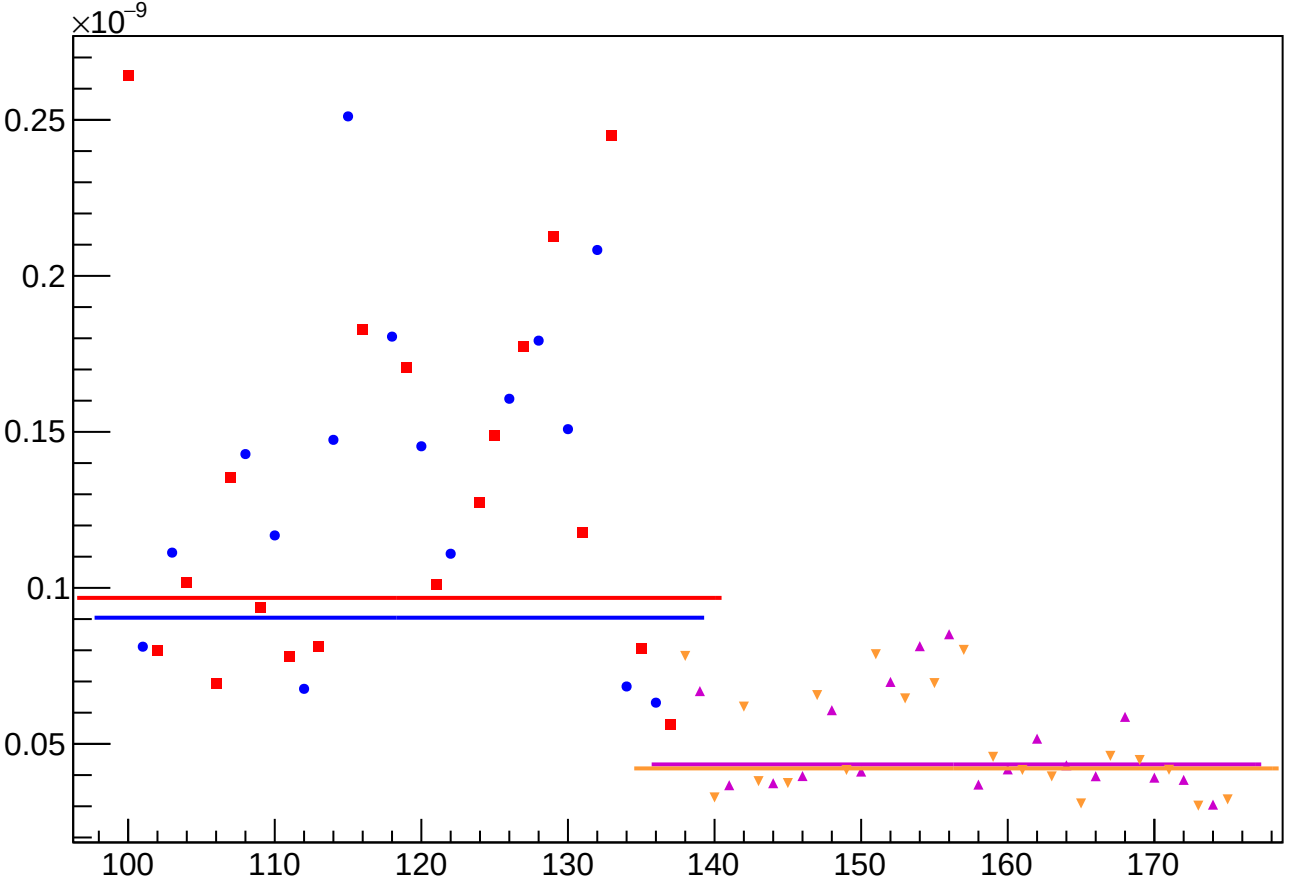
Left In: 0.000+/-0.000 χ^2/NDF:10.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 25.5/35

All: 0.000+/-0.000 χ^2/NDF: 59.7/72

- sign 0.000+/-0.000 χ^2/NDF: 34.0/36

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:1136717.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

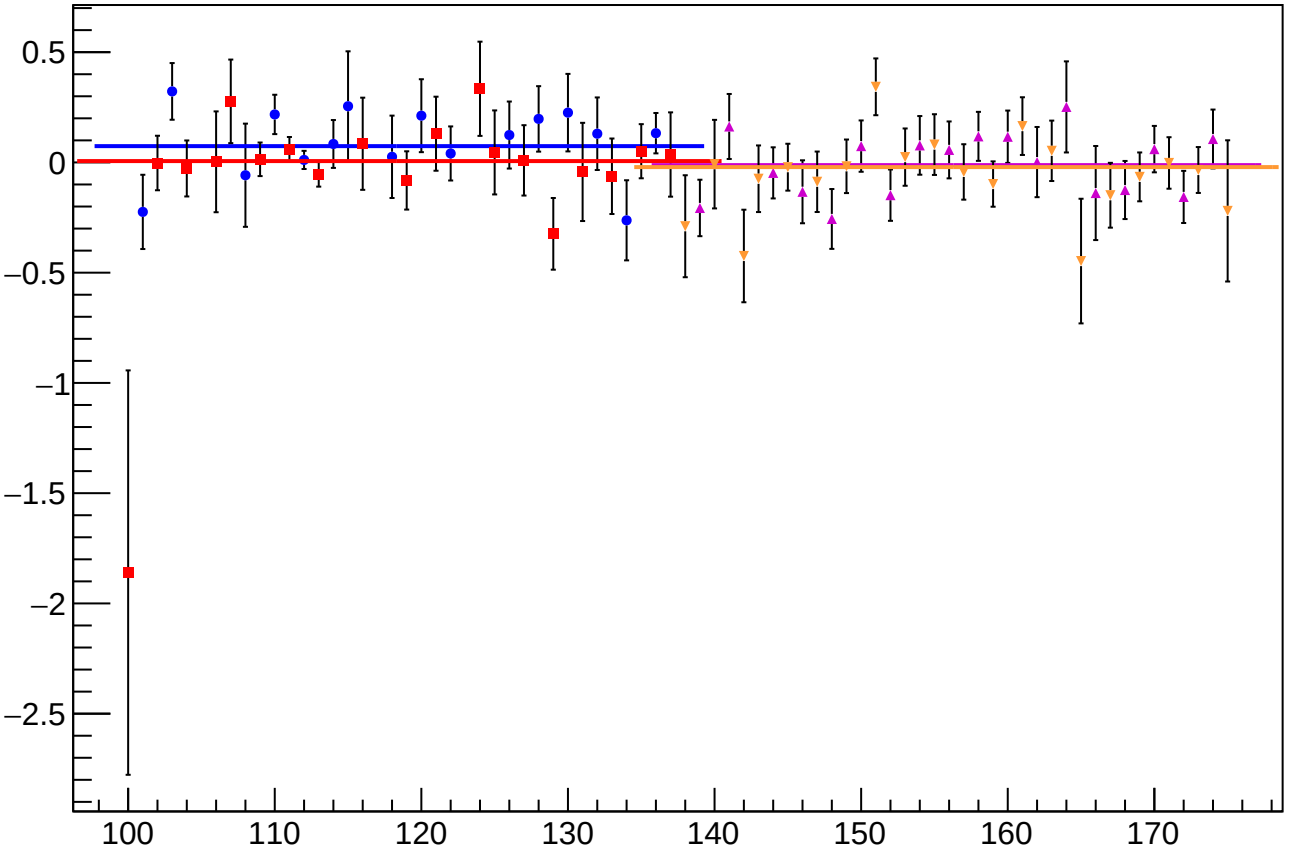
Left In: 0.000+/-0.000 χ^2/NDF:876706.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 3593278.9/35

All: 0.000+/-0.000 χ^2/NDF: 6976683.3/72

- sign 0.000+/-0.000 χ^2/NDF: 3369050.0/36

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.021+/-0.030 χ^2/NDF:20.6/19

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

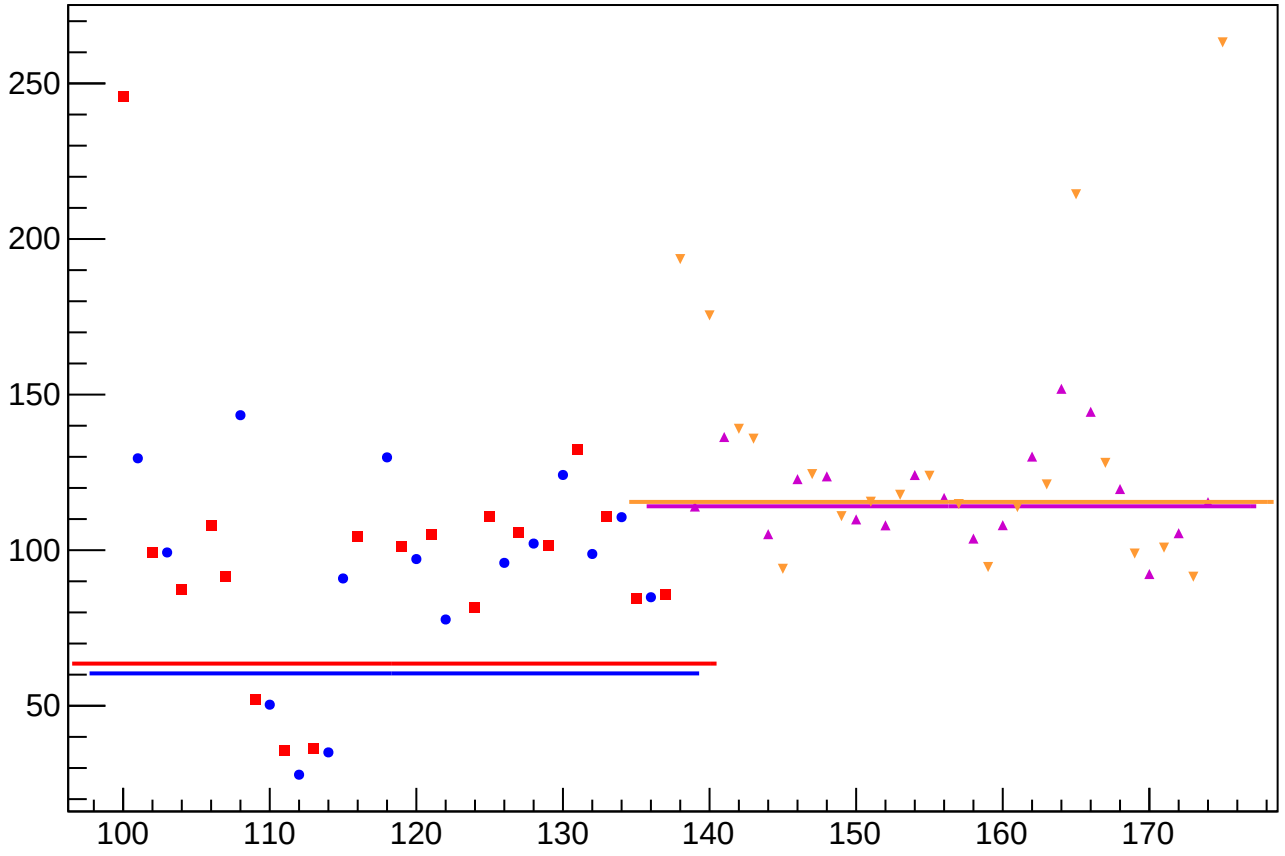
Left In: -0.012+/-0.031 χ^2/NDF:18.4/17

+ sign 0.032+/-0.020 χ^2/NDF: 45.0/35

All: 0.015+/-0.014 χ^2/NDF: 81.5/72

- sign -0.002+/-0.020 χ^2/NDF: 35.1/36

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 115.515+/-0.022 χ^2/NDF:1522851.3/19

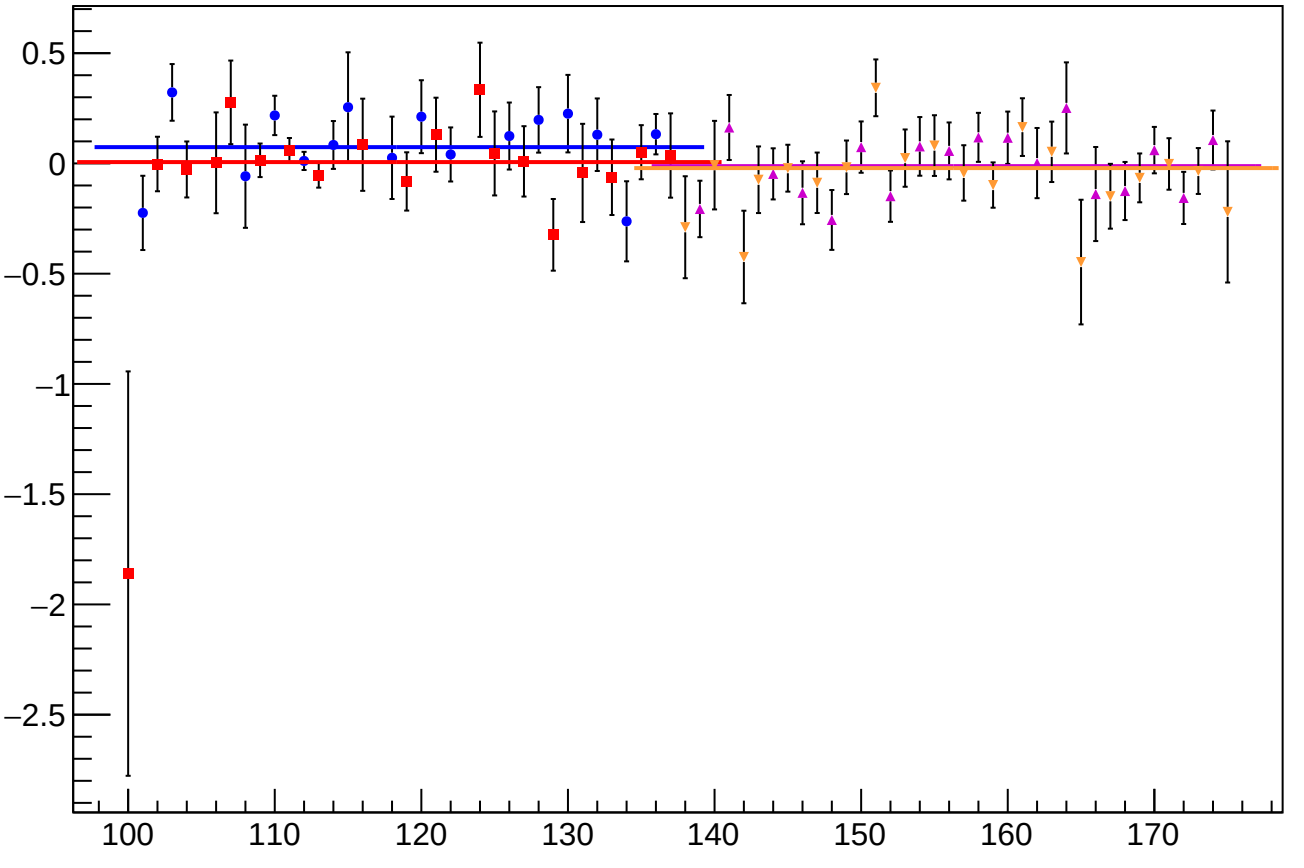
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.107+/-0.022 χ^2/NDF:345649.7/17

\+ sign 84.656+/-0.014 χ^2/NDF: 8725164.7/35

All: 85.051+/-0.010 χ^2/NDF: 14801844.1/72

\- sign 85.447+/-0.014 χ^2/NDF: 6075148.6/36



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.021+/-0.030 χ^2/NDF:20.6/19

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

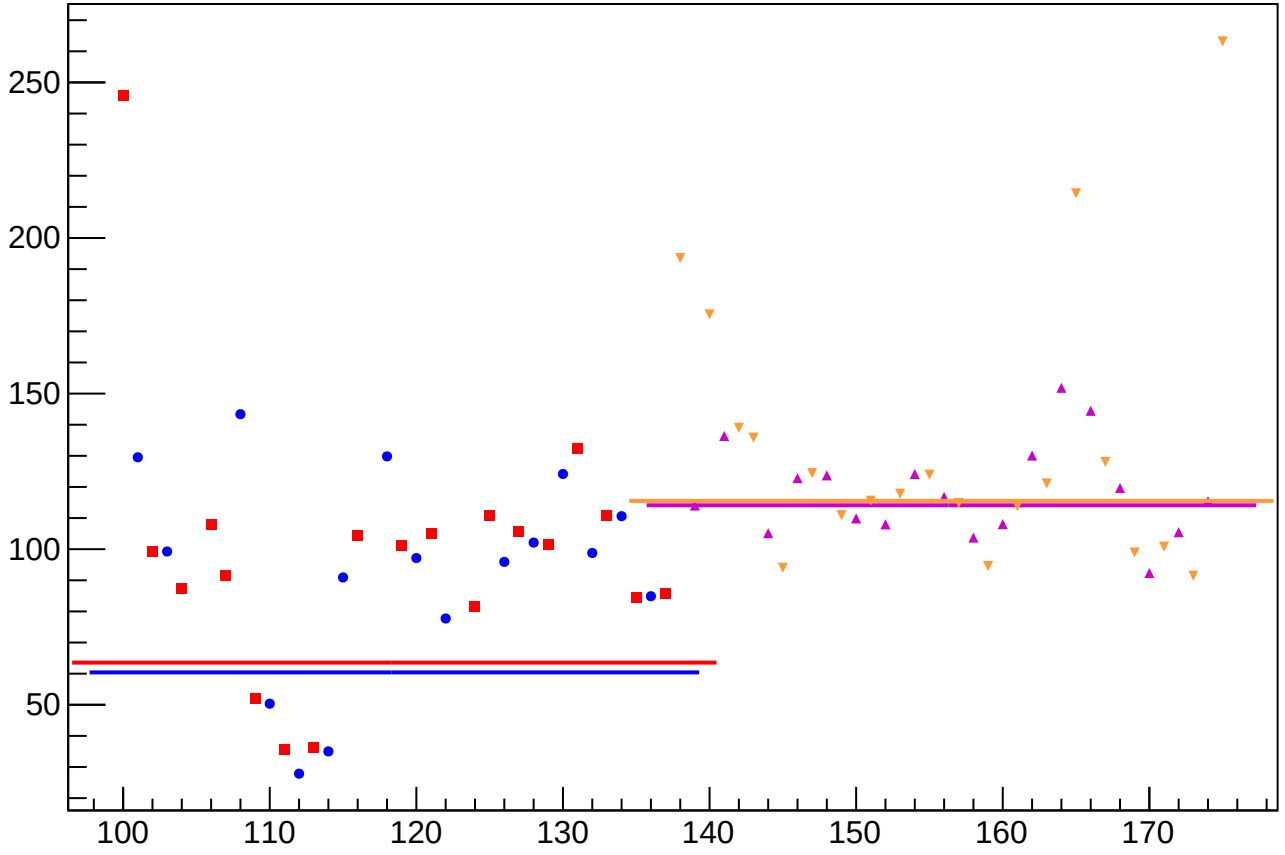
Left In: -0.012+/-0.031 χ^2/NDF:18.4/17

+ sign 0.032+/-0.020 χ^2/NDF: 45.0/35

All: 0.015+/-0.014 χ^2/NDF: 81.5/72

- sign -0.002+/-0.020 χ^2/NDF: 35.1/36

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 115.515+/-0.022 χ^2/NDF:1522851.3/19

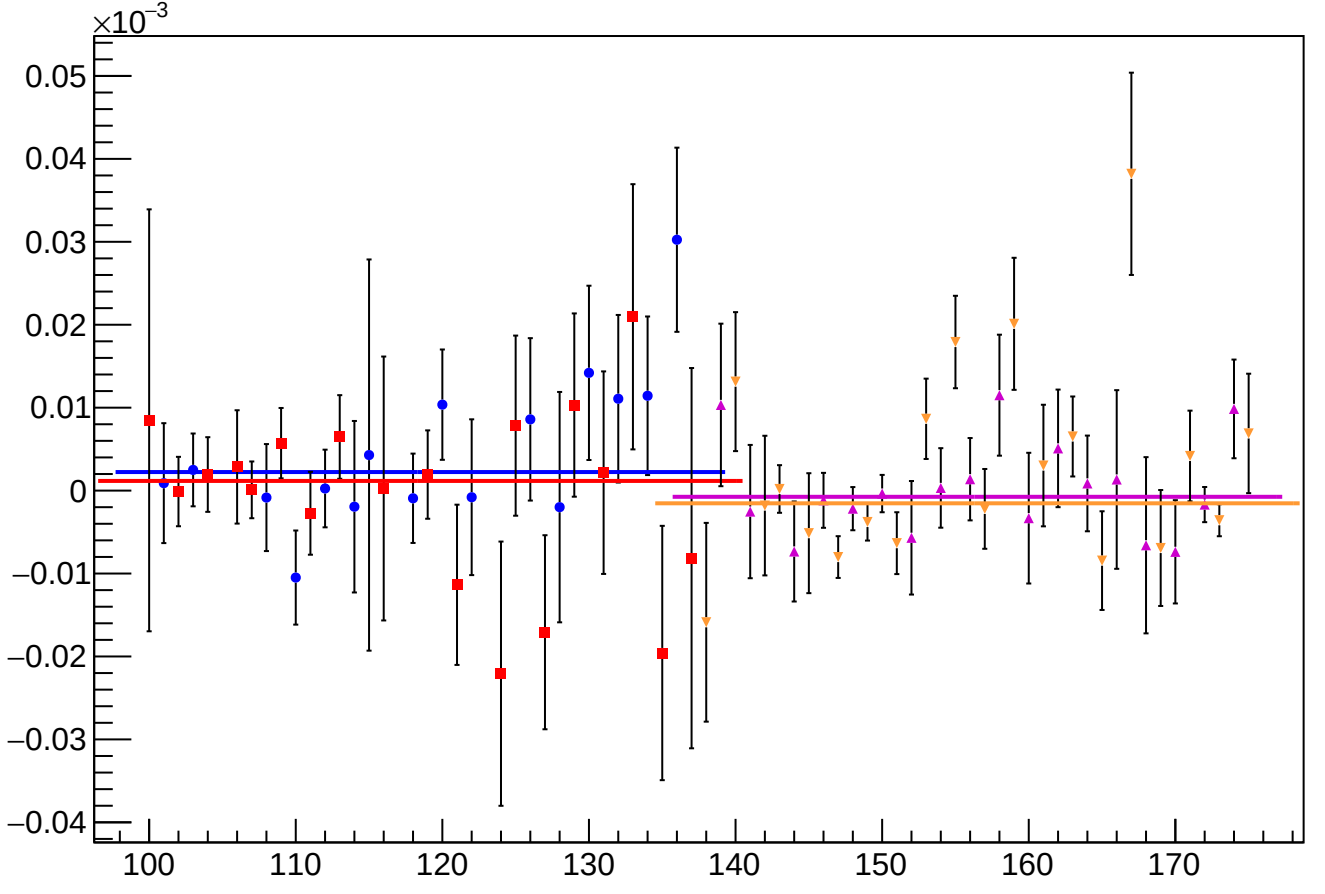
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.107+/-0.022 χ^2/NDF:345649.7/17

+ sign 84.656+/-0.014 χ^2/NDF: 8725164.7/35

All: 85.051+/-0.010 χ^2/NDF: 14801844.1/72

- sign 85.447+/-0.014 χ^2/NDF: 6075148.6/36



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

Left Out: -0.000+/-0.000 χ^2/NDF:57.7/19

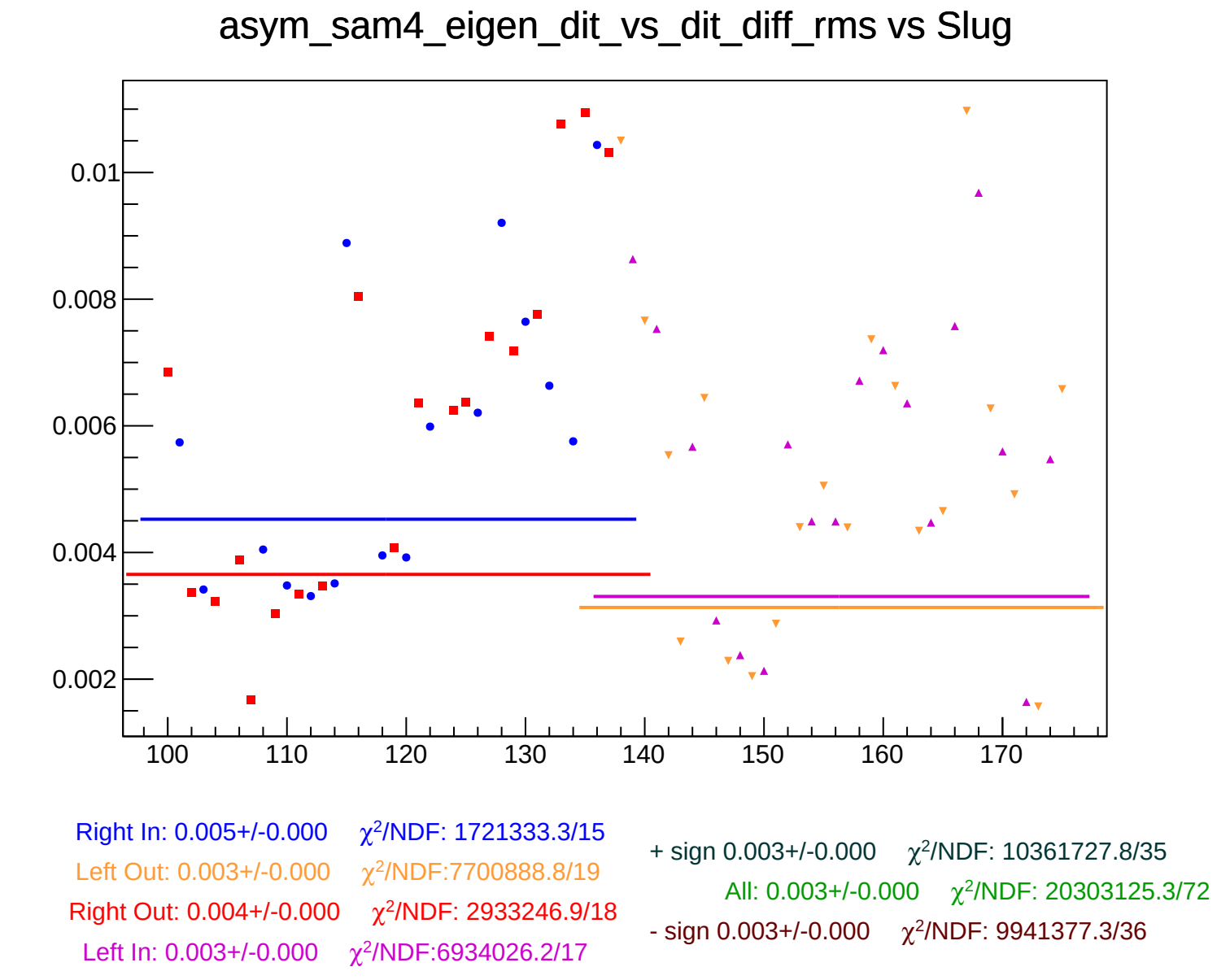
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

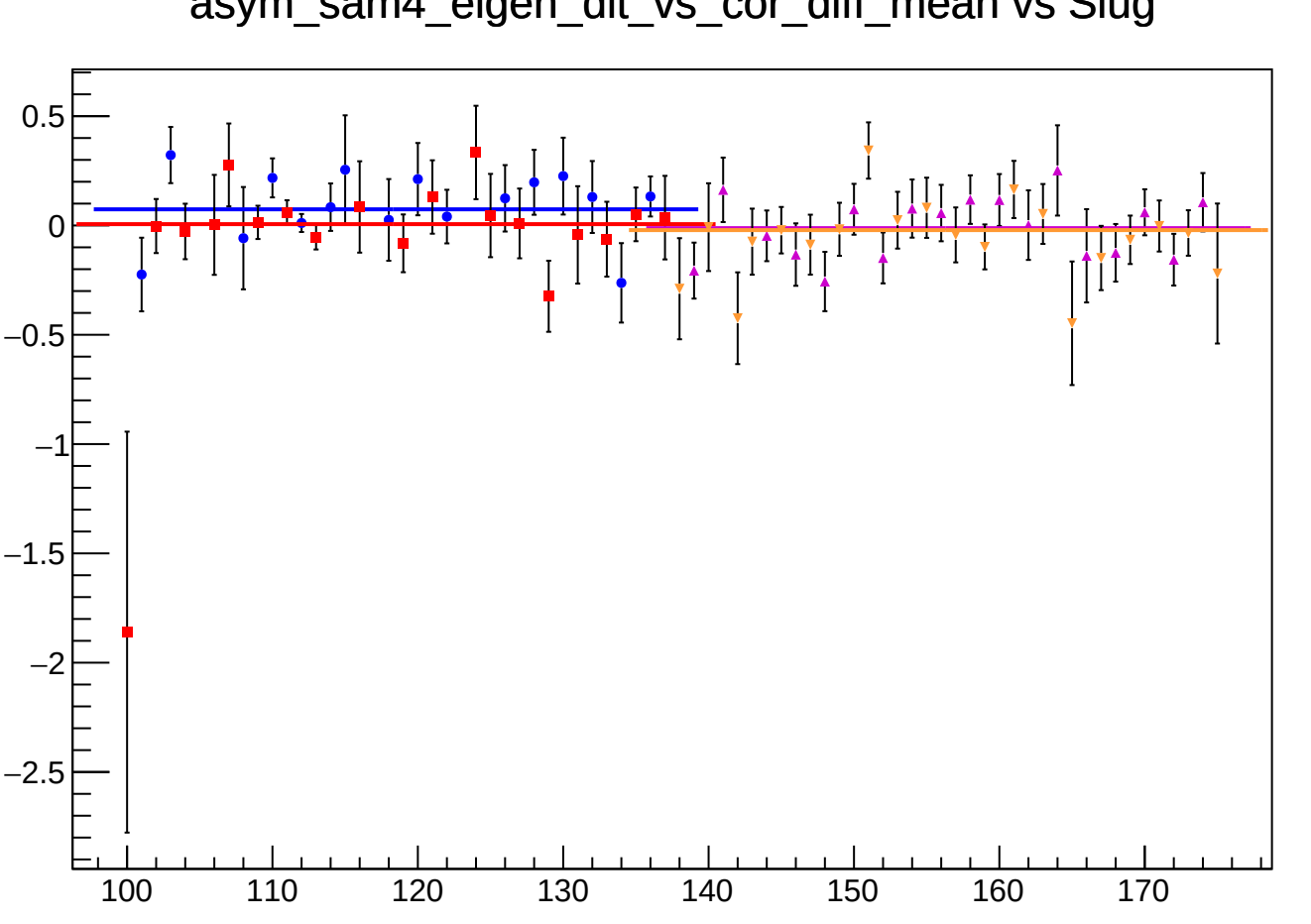
Left In: -0.000+/-0.000 χ^2/NDF:12.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 78.6/35

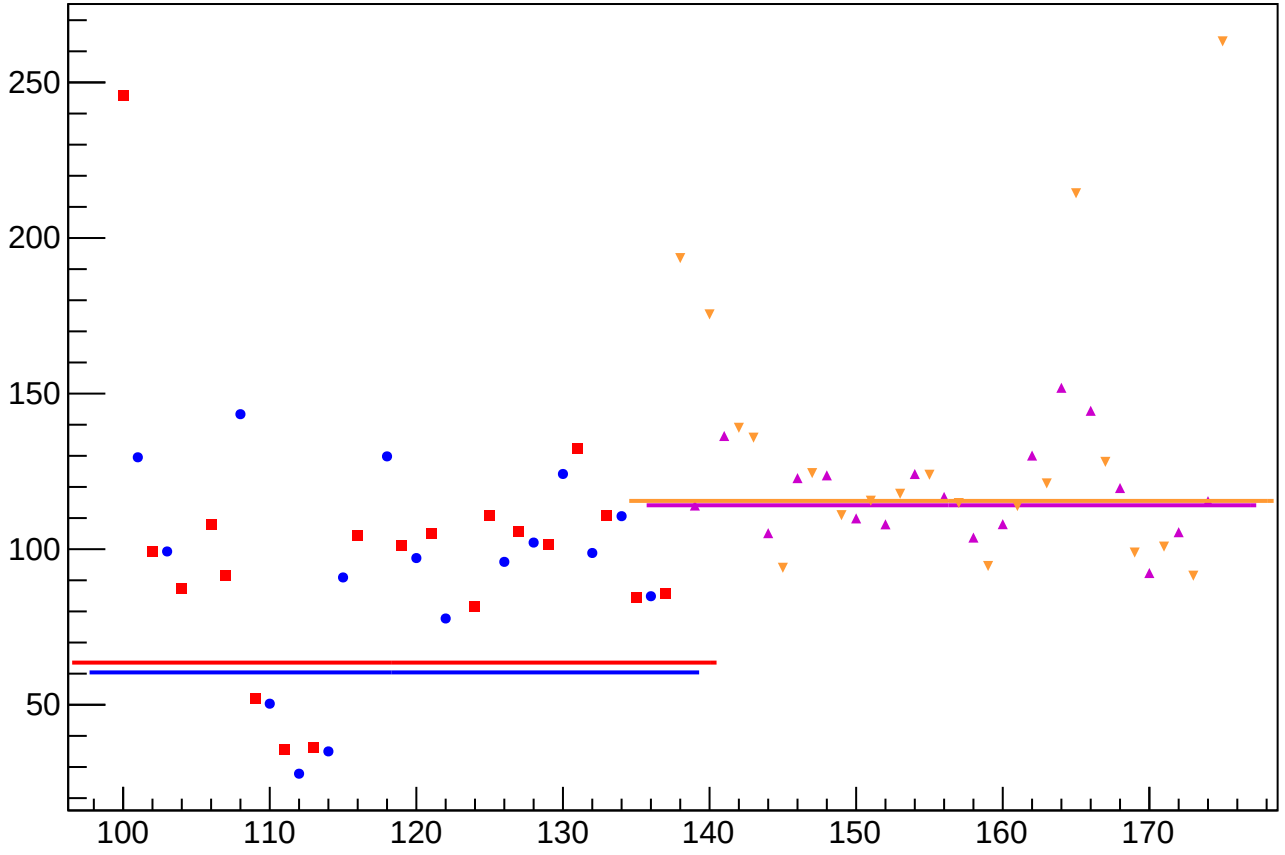
All: -0.000+/-0.000 χ^2/NDF: 106.3/72

- sign -0.000+/-0.000 χ^2/NDF: 27.4/36


asym_sam4_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: 0.005+/-0.000 χ²/NDF: 1721333.3/15
Left Out: 0.003+/-0.000 χ²/NDF:7700888.8/19
Right Out: 0.004+/-0.000 χ²/NDF: 2933246.9/18
Left In: 0.003+/-0.000 χ²/NDF:6934026.2/17
+ sign 0.003+/-0.000 χ²/NDF: 10361727.8/35
All: 0.003+/-0.000 χ²/NDF: 20303125.3/72
- sign 0.003+/-0.000 χ²/NDF: 9941377.3/36


asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
Right In: 0.074+/-0.027 χ²/NDF: 19.0/15
Left Out: -0.021+/-0.030 χ²/NDF:20.6/19
Right Out: 0.006+/-0.027 χ²/NDF: 16.4/18
Left In: -0.012+/-0.031 χ²/NDF:18.4/17
+ sign 0.032+/-0.020 χ²/NDF: 45.0/35
All: 0.015+/-0.014 χ²/NDF: 81.5/72
- sign -0.002+/-0.020 χ²/NDF: 35.1/36

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 115.516+/-0.022 χ^2/NDF:1522827.4/19

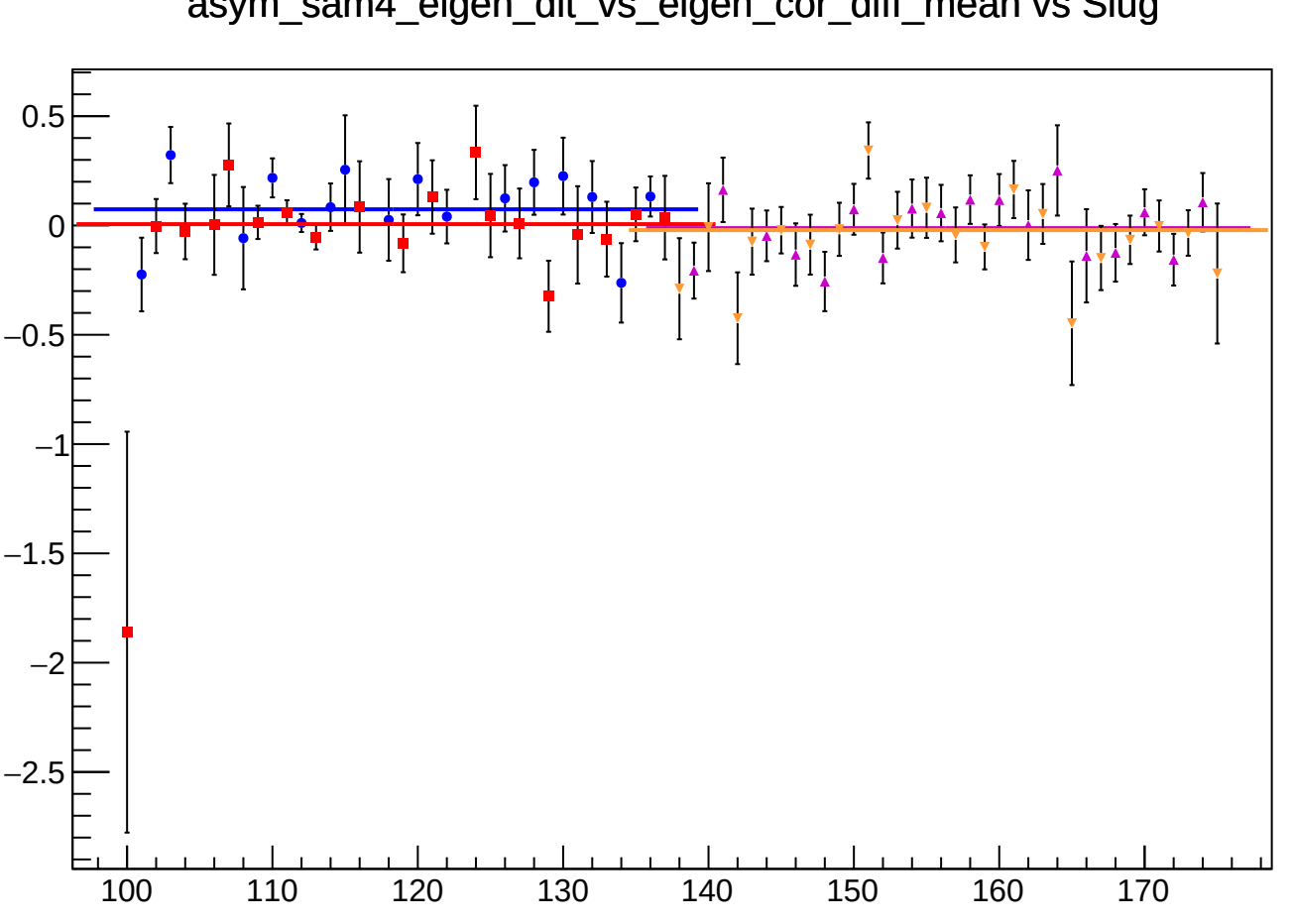
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.108+/-0.022 χ^2/NDF:345652.5/17

+ sign 84.654+/-0.014 χ^2/NDF: 8725845.9/35

All: 85.050+/-0.010 χ^2/NDF: 14803147.4/72

- sign 85.445+/-0.014 χ^2/NDF: 6075769.5/36



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.021+/-0.030 χ^2/NDF:20.6/19

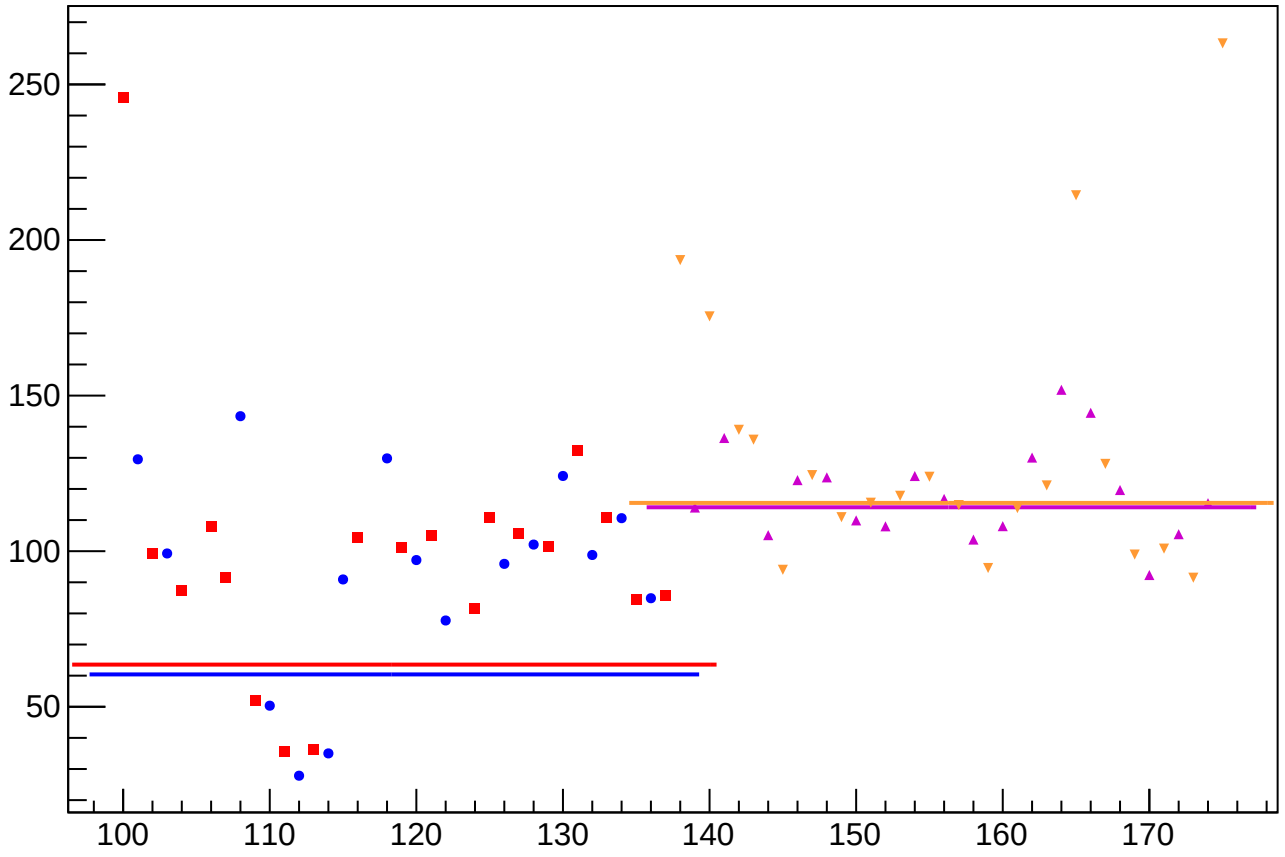
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.012+/-0.031 χ^2/NDF:18.4/17

+ sign 0.032+/-0.020 χ^2/NDF: 45.0/35

All: 0.015+/-0.014 χ^2/NDF: 81.5/72

- sign -0.002+/-0.020 χ^2/NDF: 35.1/36



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 115.516+/-0.022 χ^2/NDF:1522827.4/19

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

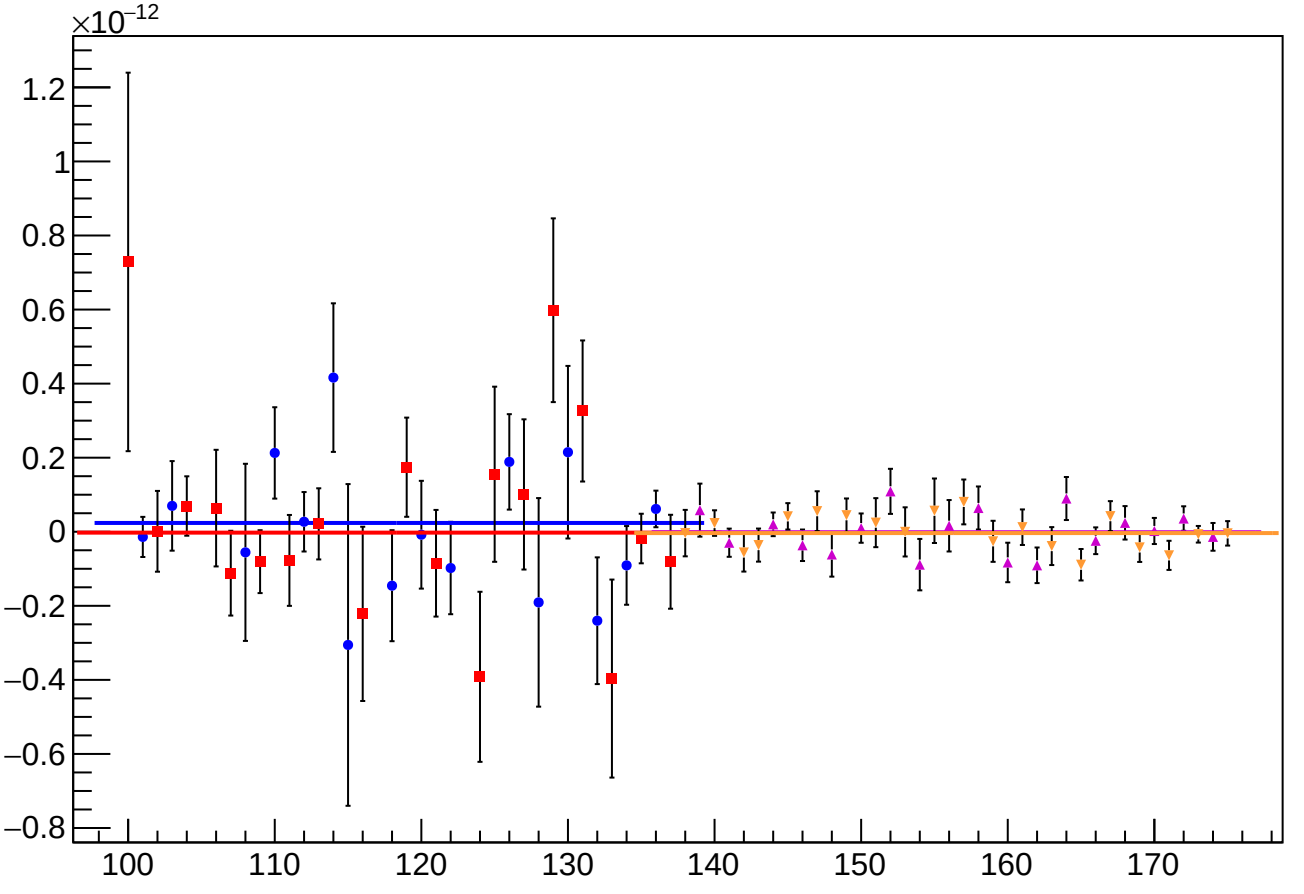
Left In: 114.108+/-0.022 χ^2/NDF:345652.5/17

+ sign 84.654+/-0.014 χ^2/NDF: 8725845.9/35

All: 85.050+/-0.010 χ^2/NDF: 14803147.4/72

- sign 85.445+/-0.014 χ^2/NDF: 6075769.5/36

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/19

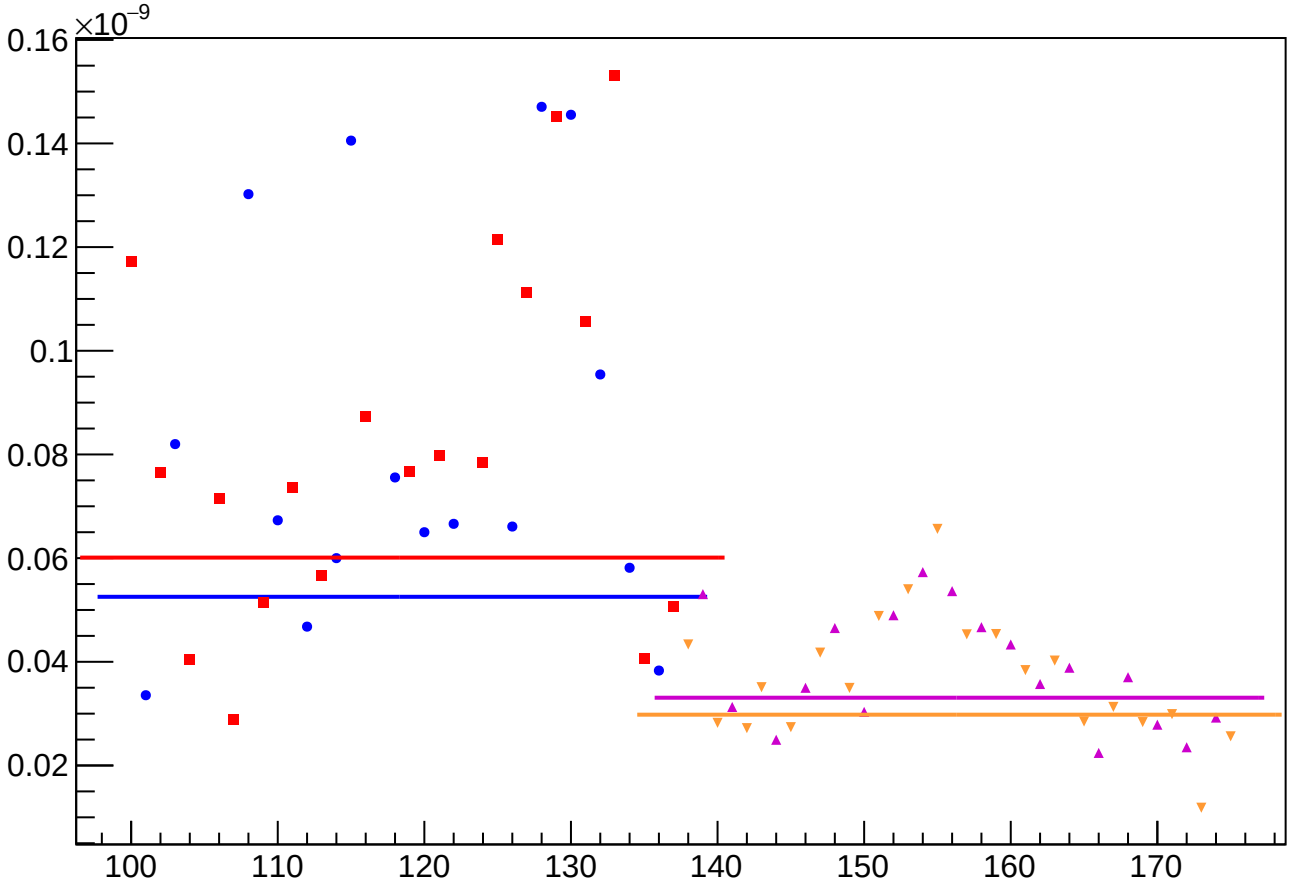
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:20.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/35

All: -0.000+/-0.000 χ^2/NDF: 79.1/72

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



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2789220.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

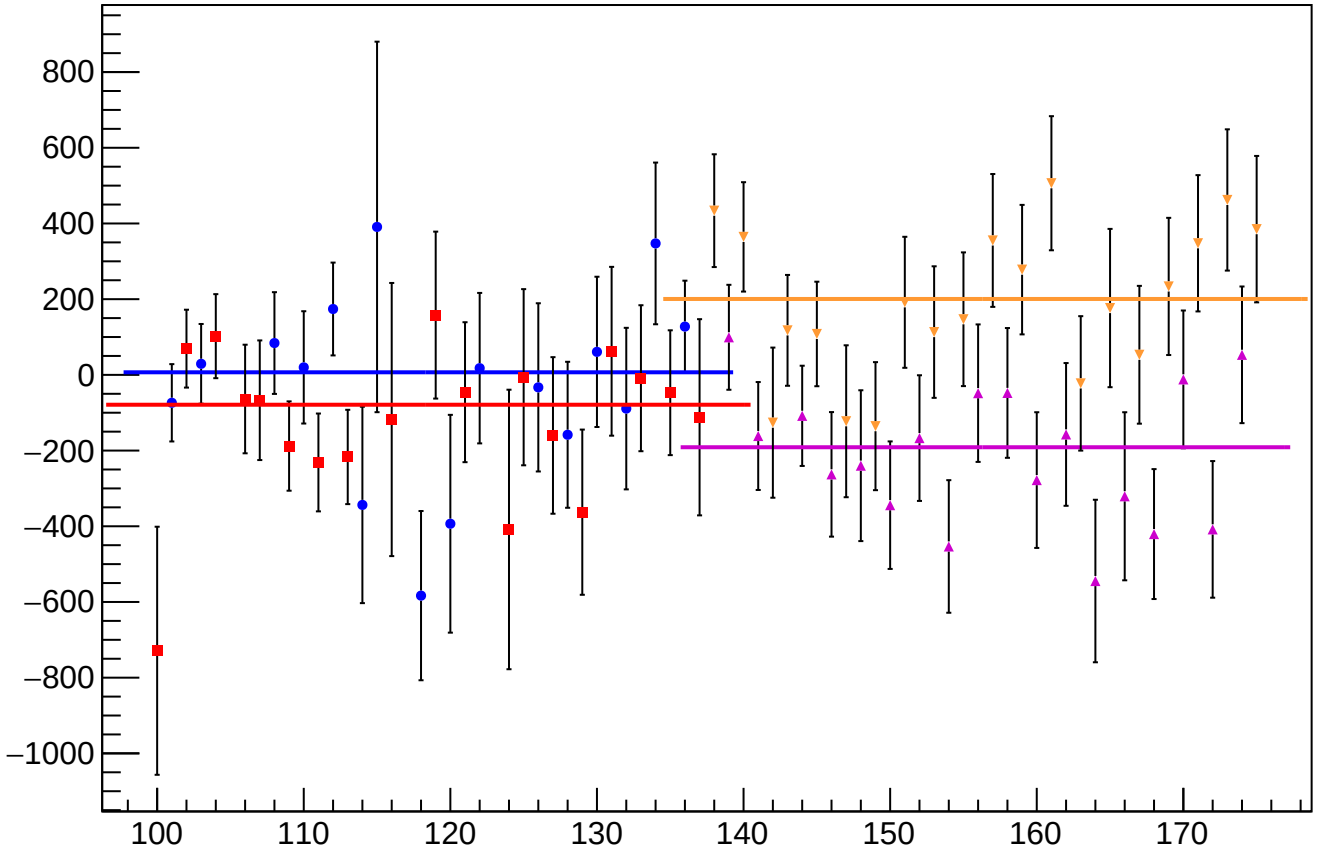
Left In: 0.000+/-0.000 χ^2/NDF:1589885.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 5768574.7/35

All: 0.000+/-0.000 χ^2/NDF: 10605085.6/72

- sign 0.000+/-0.000 χ^2/NDF: 4677874.1/36

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 200.536+/-38.469 χ^2/NDF:23.9/19

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

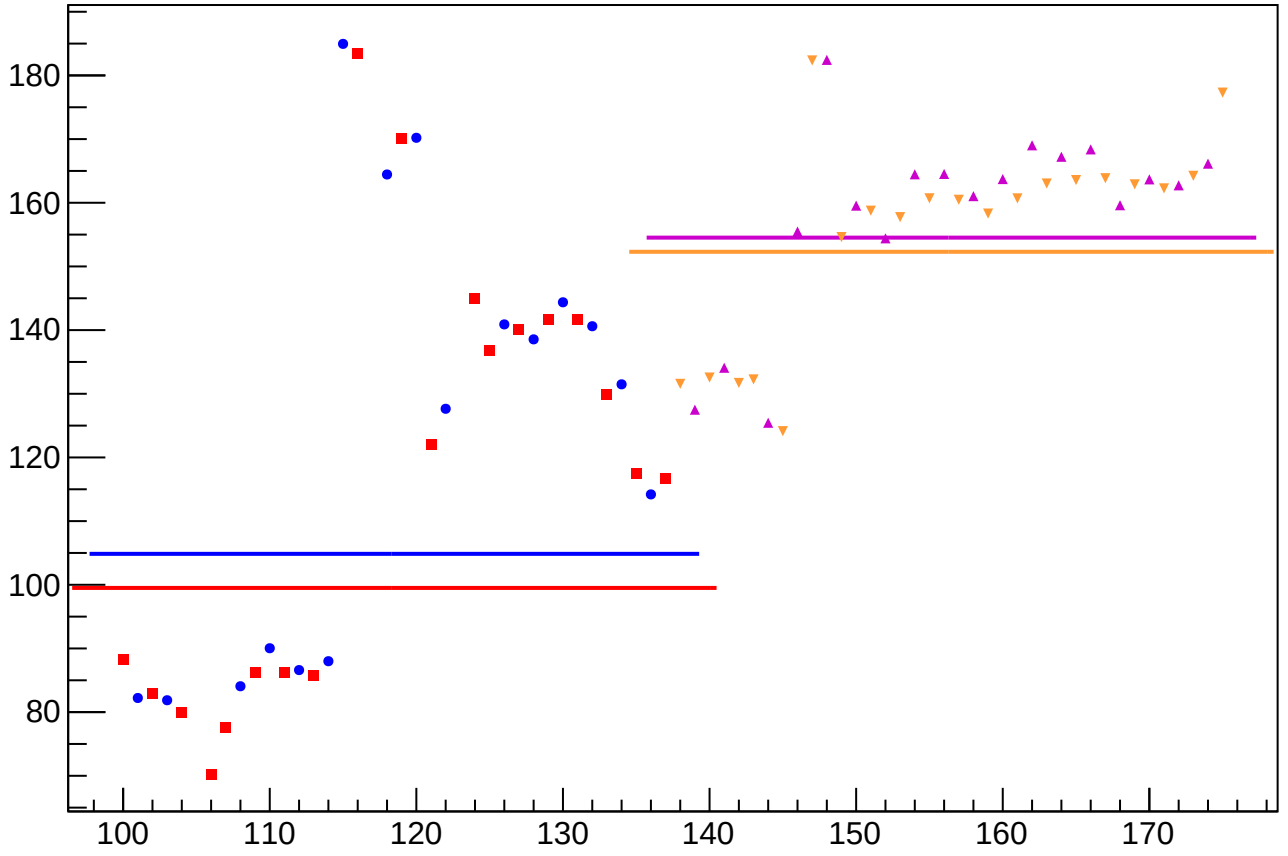
Left In: -191.208+/-40.304 χ^2/NDF:18.8/17

+ sign 108.302+/-27.844 χ^2/NDF: 54.7/35

All: -12.652+/-19.606 χ^2/NDF: 131.8/72

- sign -131.604+/-27.612 χ^2/NDF: 39.6/36

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 152.302+/-0.027 χ^2/NDF:359878.7/19

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

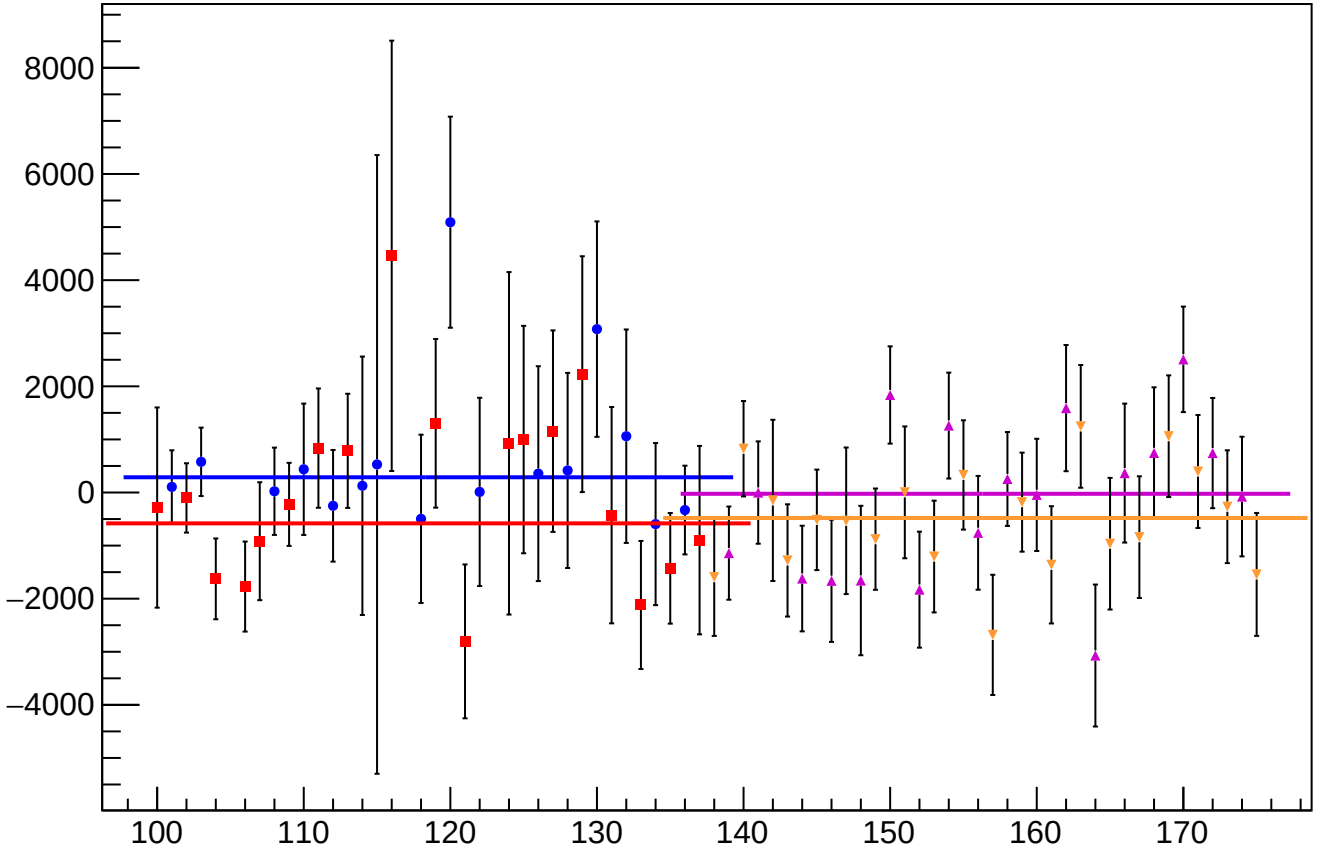
Left In: 154.524+/-0.028 χ^2/NDF:321177.9/17

+ sign 129.714+/-0.020 χ^2/NDF: 2739366.4/35

All: 127.504+/-0.014 χ^2/NDF: 6102082.2/72

- sign 125.331+/-0.020 χ^2/NDF: 3337723.1/36

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -479.994+/-243.934 χ^2/NDF:15.5/19

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

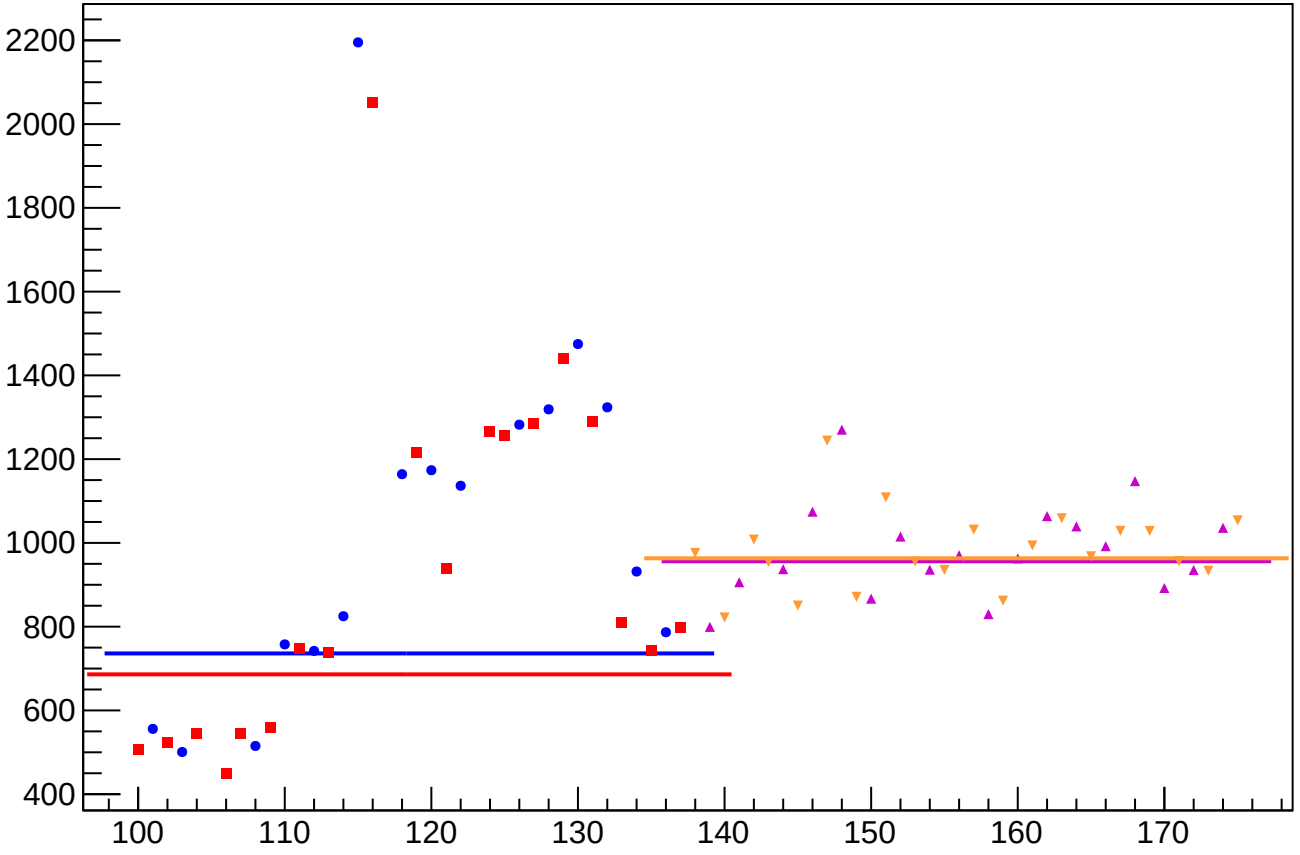
Left In: -24.223+/-250.339 χ^2/NDF:31.2/17

+ sign -166.639+/-187.593 χ^2/NDF: 29.3/35

All: -225.557+/-131.178 χ^2/NDF: 81.7/72

- sign -281.935+/-183.503 χ^2/NDF: 52.3/36

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 963.217+/-0.172 χ^2/NDF:283490.3/19

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

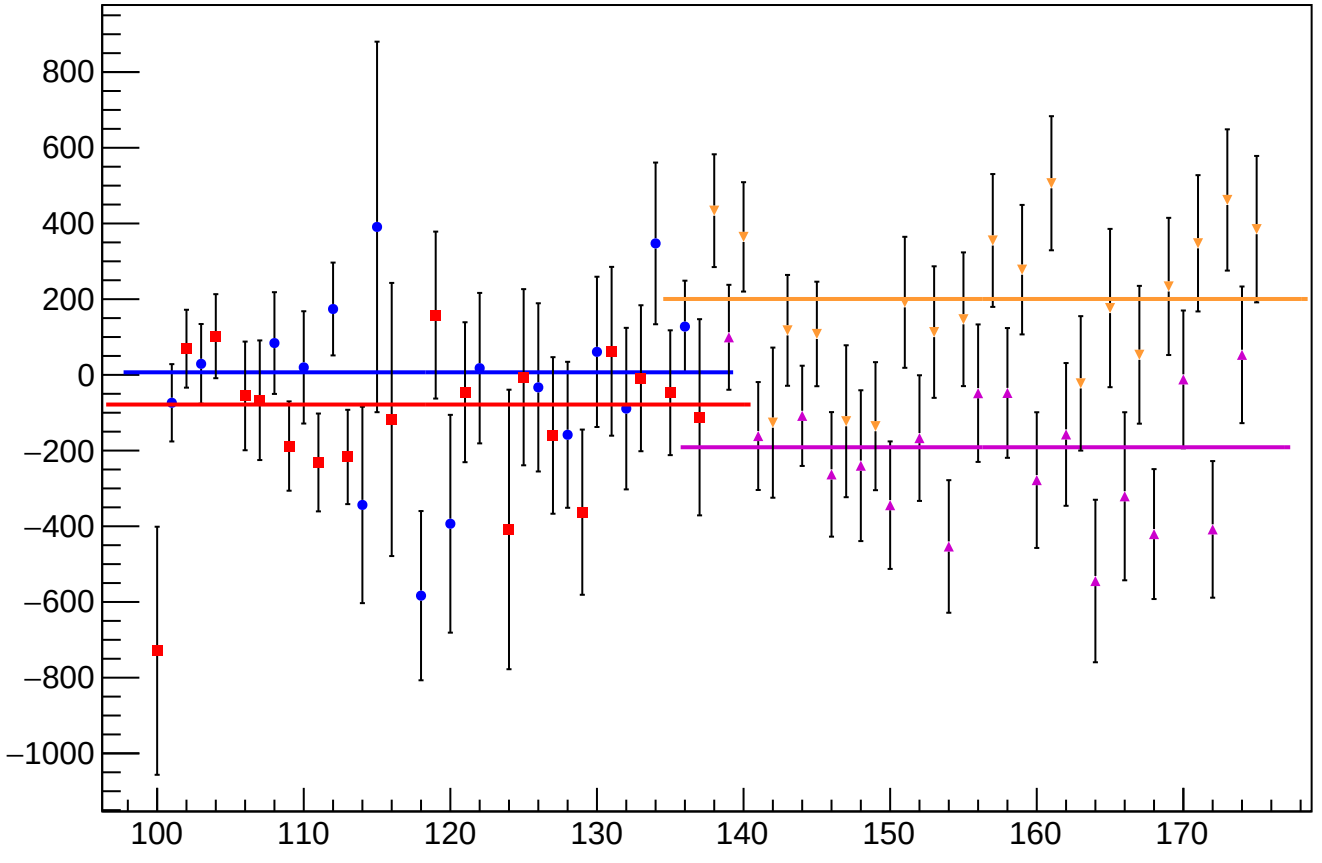
Left In: 956.193+/-0.177 χ^2/NDF:350335.6/17

+ sign 870.411+/-0.133 χ^2/NDF: 2836481.3/35

All: 850.388+/-0.093 χ^2/NDF: 6127680.3/72

- sign 831.229+/-0.130 χ^2/NDF: 3246610.9/36

cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 200.535+/-38.469 χ^2/NDF:23.9/19

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

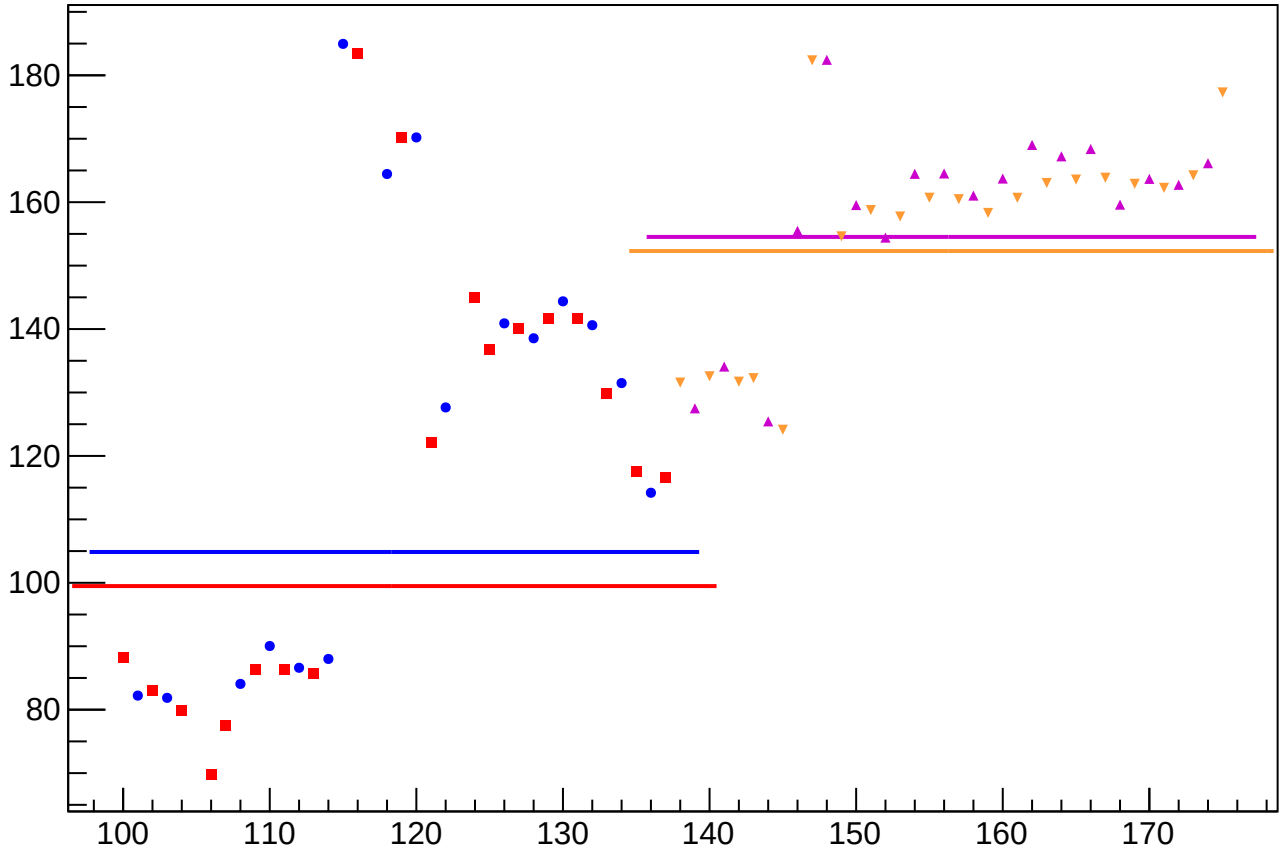
Left In: -191.209+/-40.304 χ^2/NDF:18.8/17

+ sign 108.296+/-27.844 χ^2/NDF: 54.8/35

All: -12.509+/-19.607 χ^2/NDF: 131.8/72

- sign -131.325+/-27.613 χ^2/NDF: 39.7/36

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 152.302+/-0.027 χ^2/NDF:359878.7/19

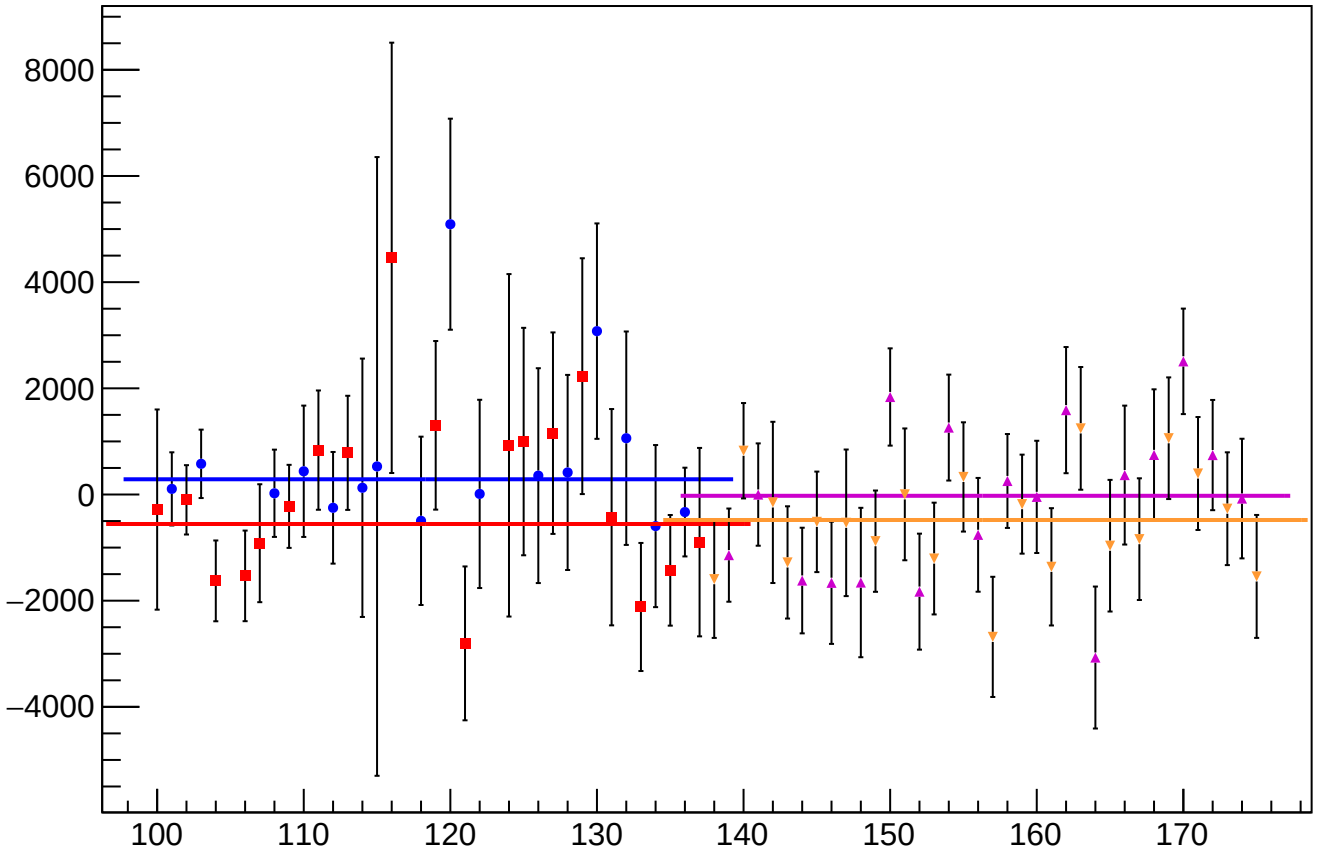
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 154.524+/-0.028 χ^2/NDF:321177.9/17

+ sign 129.714+/-0.020 χ^2/NDF: 2739364.5/35

All: 127.499+/-0.014 χ^2/NDF: 6105975.2/72

- sign 125.320+/-0.020 χ^2/NDF: 3341496.2/36



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -479.992+/-243.934 χ^2/NDF:15.5/19

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

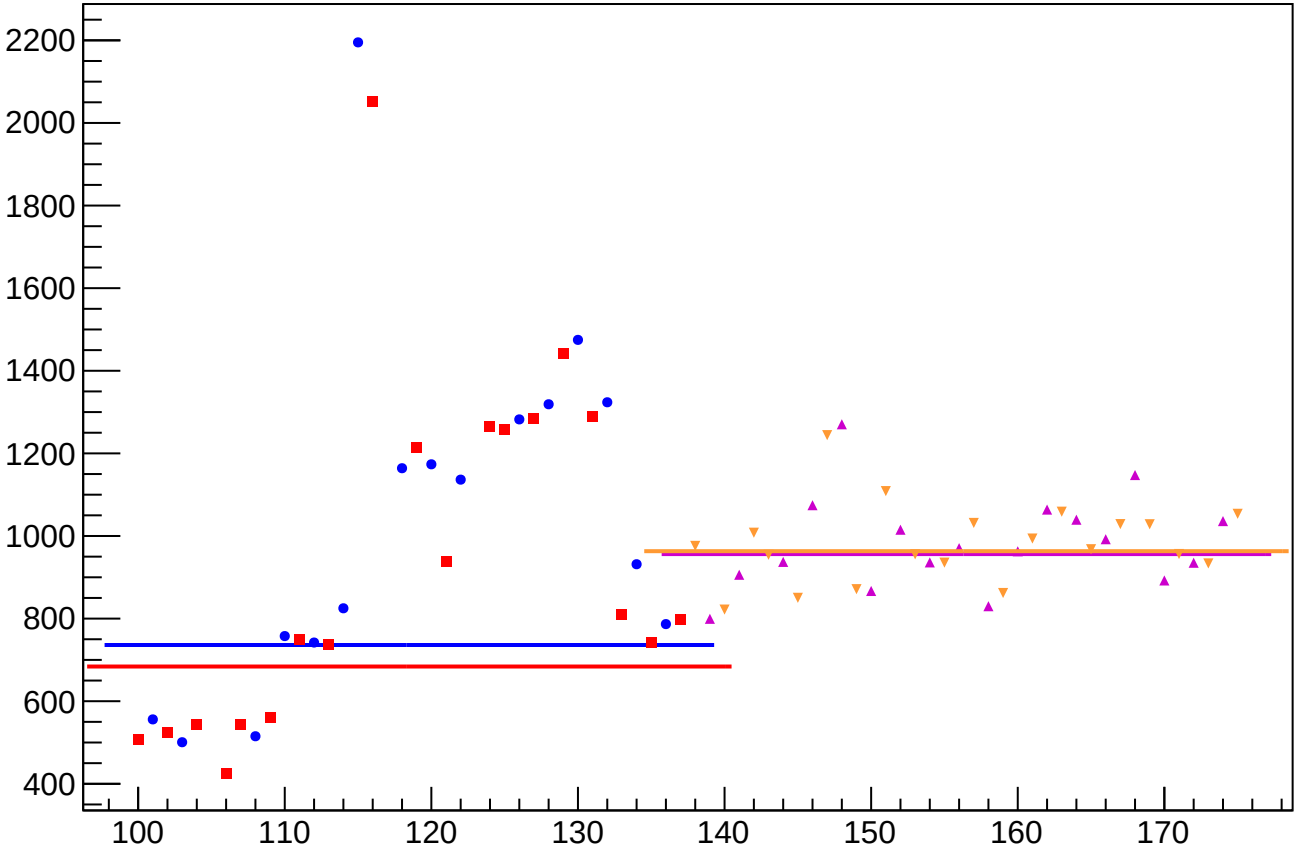
Left In: -24.222+/-250.339 χ^2/NDF:31.2/17

+ sign -166.636+/-187.593 χ^2/NDF: 29.3/35

All: -219.355+/-131.199 χ^2/NDF: 80.8/72

- sign -269.831+/-183.559 χ^2/NDF: 51.3/36

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 963.217+/-0.172 χ^2/NDF:283489.5/19

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

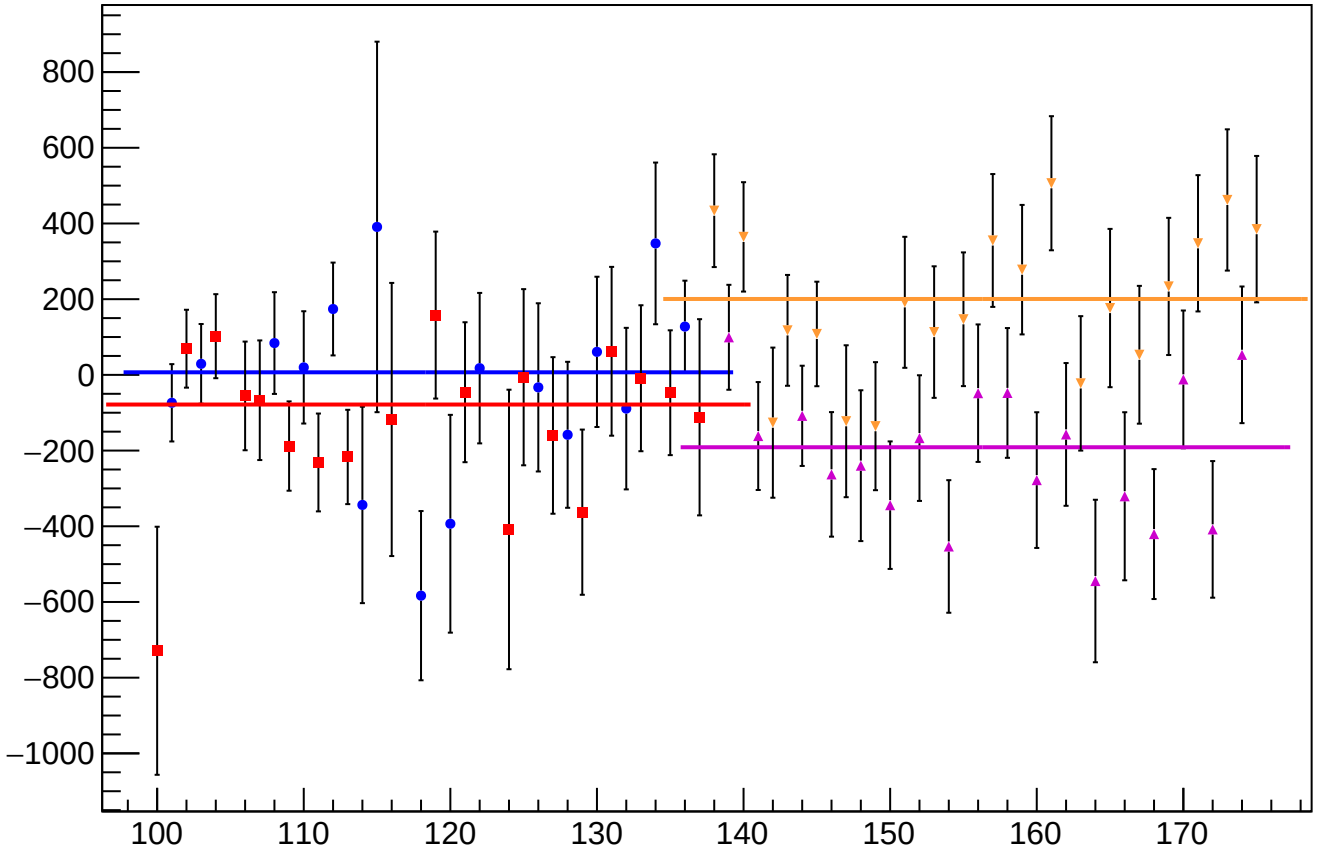
Left In: 956.193+/-0.177 χ^2/NDF:350337.8/17

+ sign 870.411+/-0.133 χ^2/NDF: 2836489.1/35

All: 849.937+/-0.093 χ^2/NDF: 6177222.4/72

- sign 830.334+/-0.130 χ^2/NDF: 3294099.1/36

eigen_cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 200.535+/-38.469 χ^2/NDF:23.9/19

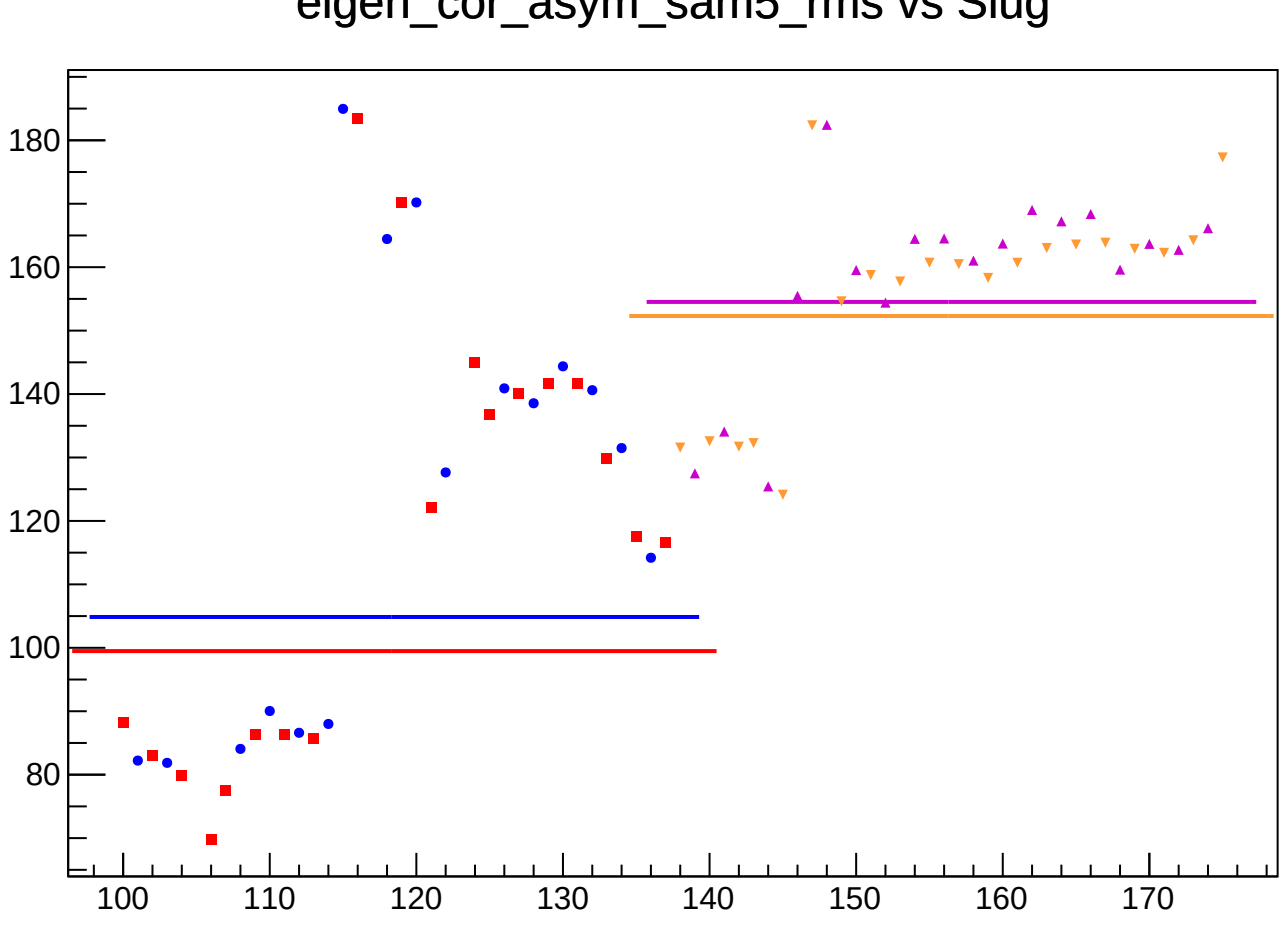
Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: -191.209+/-40.304 χ^2/NDF:18.8/17

+ sign 108.296+/-27.844 χ^2/NDF: 54.8/35

All: -12.509+/-19.607 χ^2/NDF: 131.8/72

- sign -131.325+/-27.613 χ^2/NDF: 39.7/36



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 152.302+/-0.027 χ^2/NDF:359878.7/19

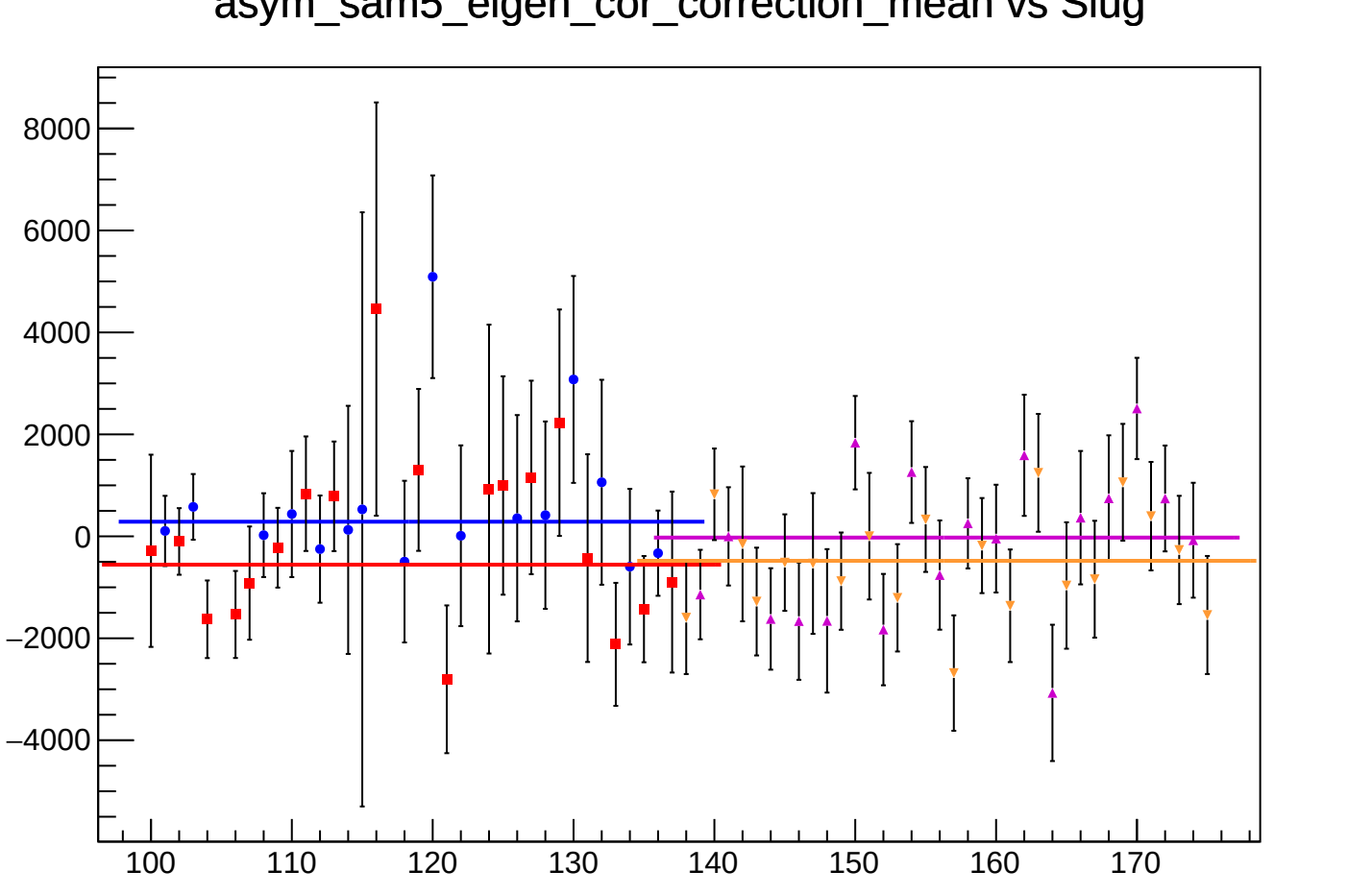
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 154.524+/-0.028 χ^2/NDF:321177.9/17

+ sign 129.714+/-0.020 χ^2/NDF: 2739364.5/35

All: 127.499+/-0.014 χ^2/NDF: 6105975.2/72

- sign 125.320+/-0.020 χ^2/NDF: 3341496.2/36



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -479.992+/-243.934 χ^2/NDF:15.5/19

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

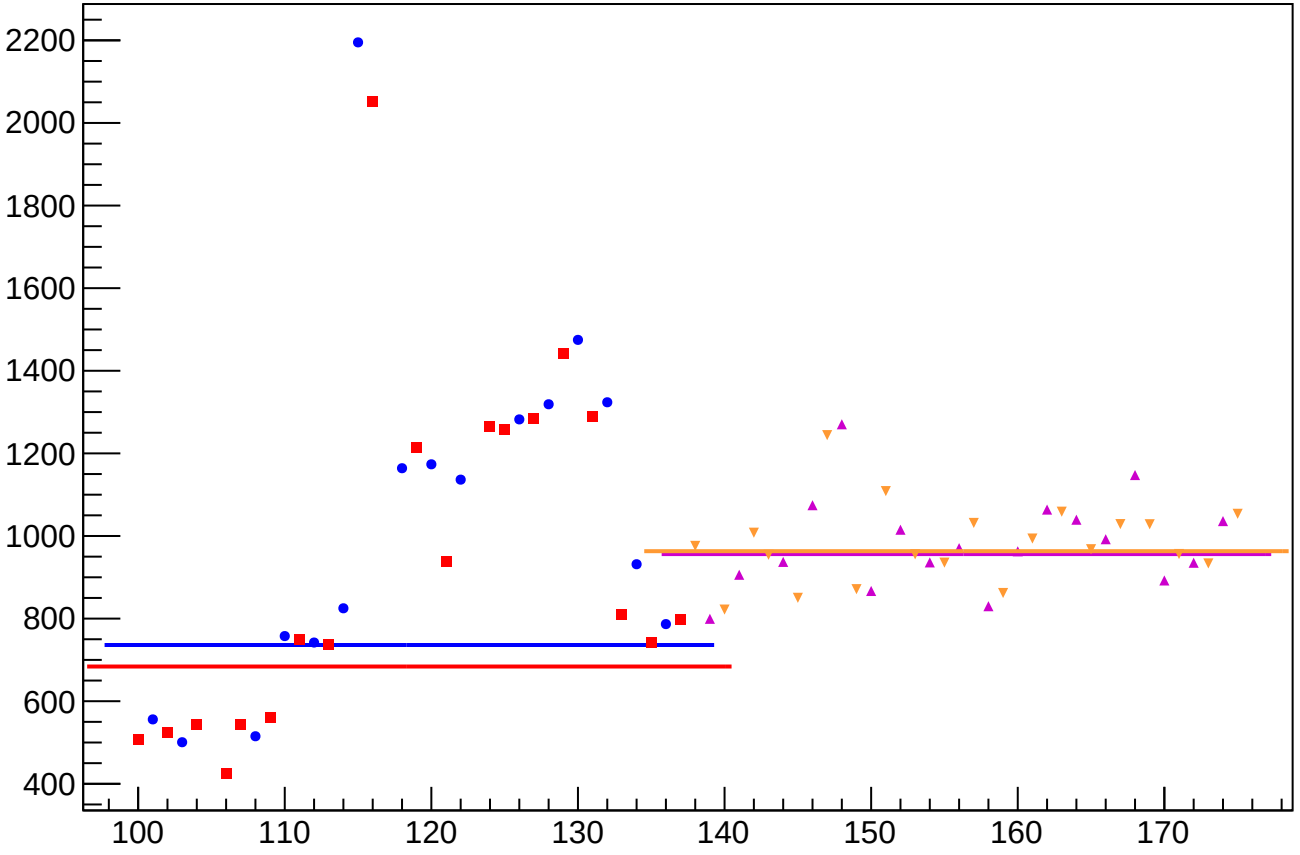
Left In: -24.222+/-250.339 χ^2/NDF:31.2/17

\+ sign -166.636+/-187.593 χ^2/NDF: 29.3/35

All: -219.355+/-131.199 χ^2/NDF: 80.8/72

\- sign -269.831+/-183.559 χ^2/NDF: 51.3/36

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 963.217+/-0.172 χ^2/NDF:283489.5/19

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

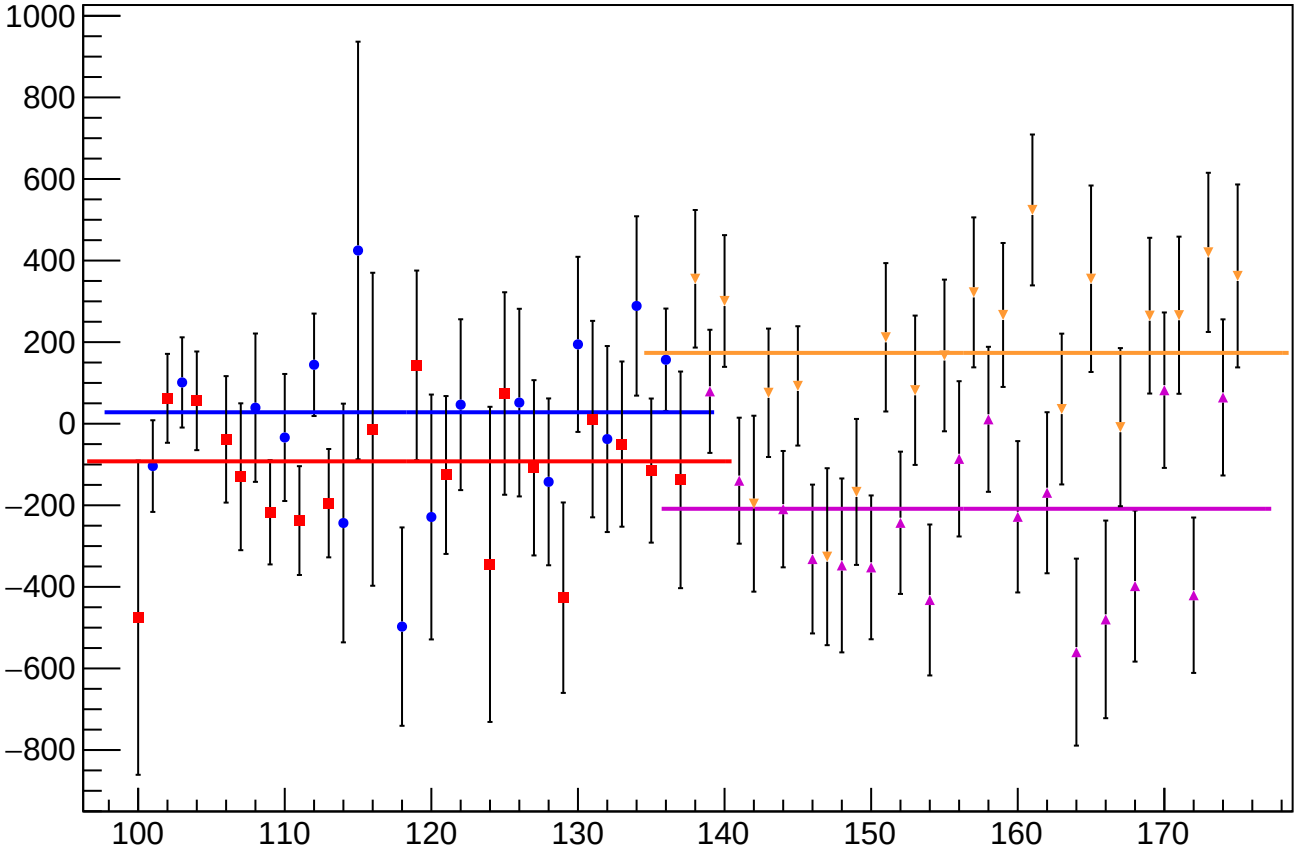
Left In: 956.193+/-0.177 χ^2/NDF:350337.8/17

+ sign 870.411+/-0.133 χ^2/NDF: 2836489.1/35

All: 849.937+/-0.093 χ^2/NDF: 6177222.4/72

- sign 830.334+/-0.130 χ^2/NDF: 3294099.1/36

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 173.648+/-41.170 χ^2/NDF:24.0/19

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

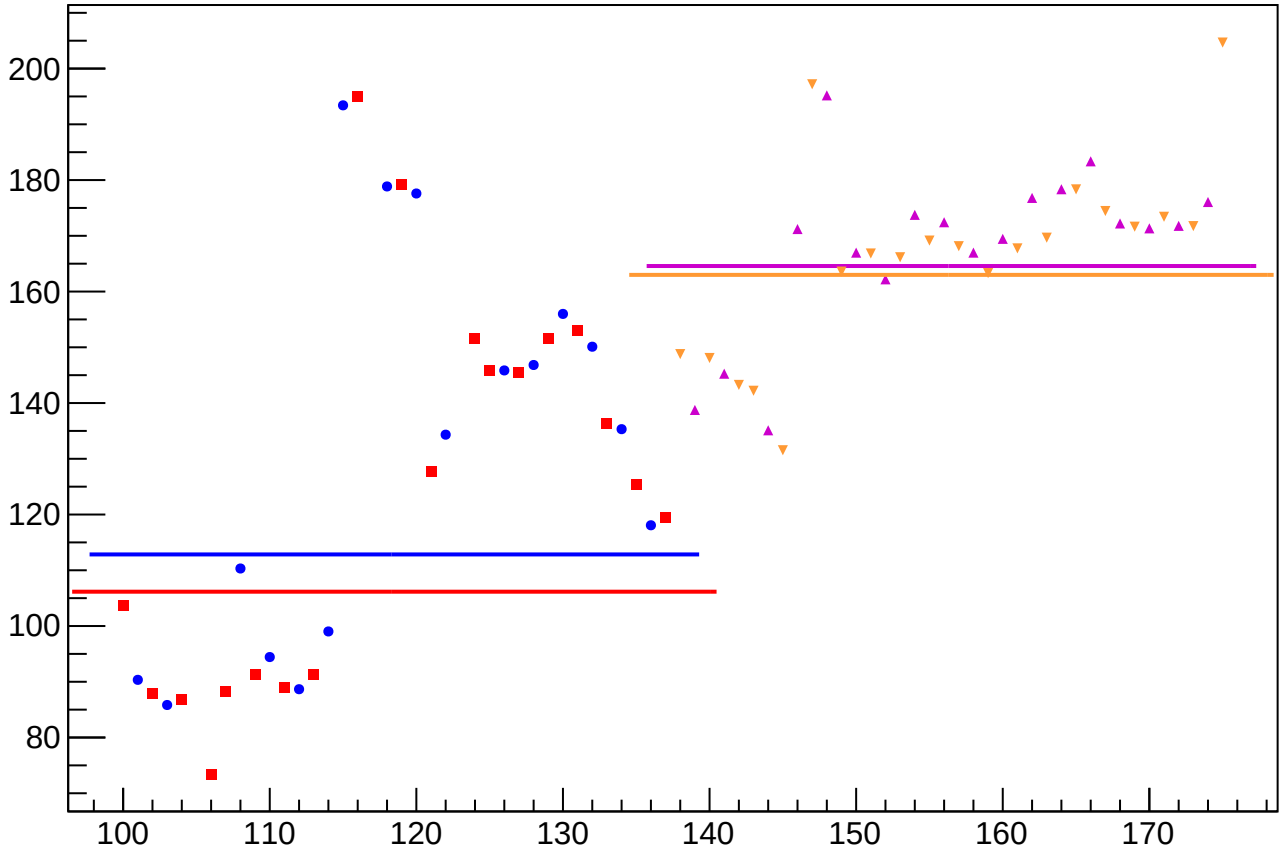
Left In: -208.562+/-42.922 χ^2/NDF:19.1/17

+ sign 104.771+/-29.882 χ^2/NDF: 43.5/35

All: -22.895+/-20.983 χ^2/NDF: 114.2/72

- sign -147.085+/-29.472 χ^2/NDF: 34.7/36

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 162.992+/-0.029 χ^2/NDF:333280.5/19

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

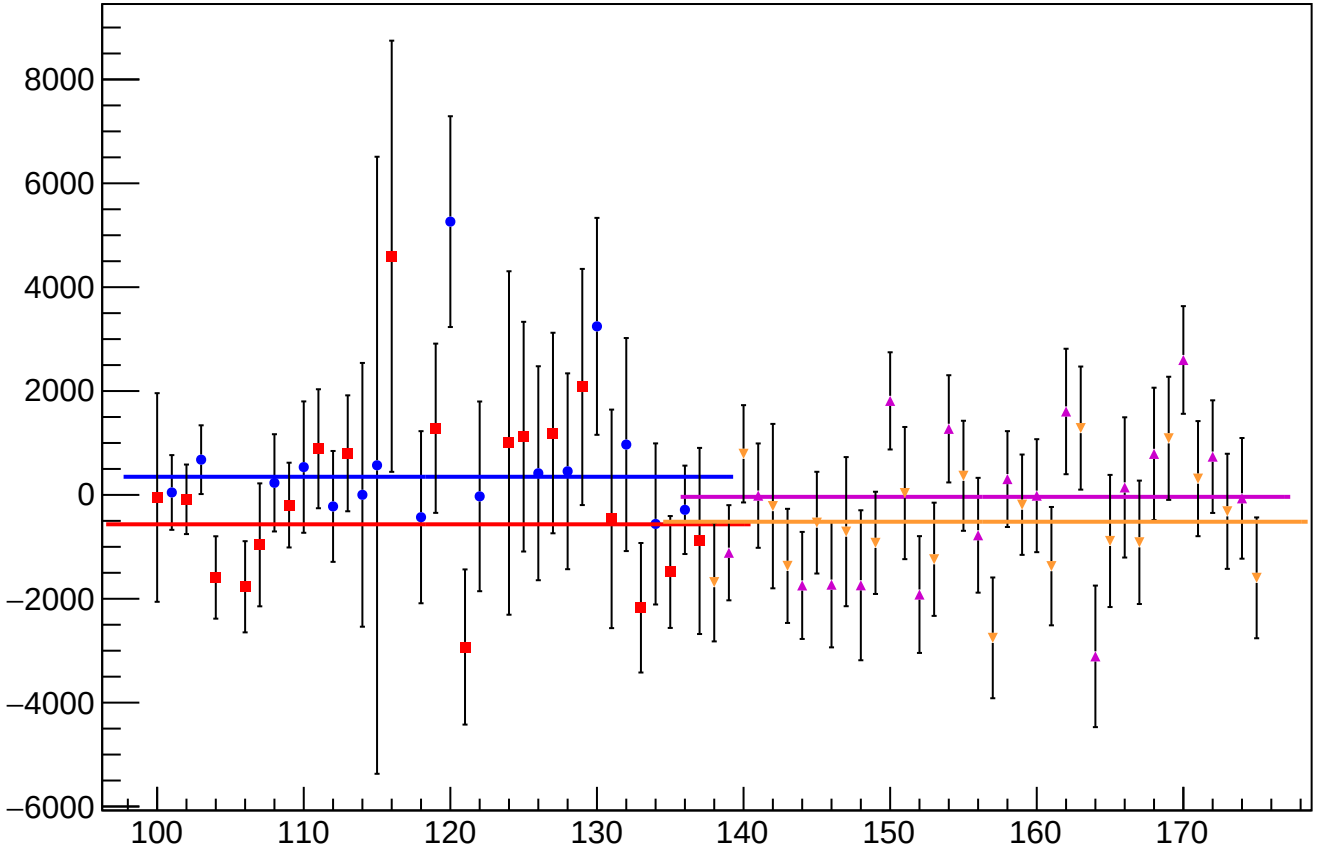
Left In: 164.581+/-0.030 χ^2/NDF:272715.0/17

+ sign 139.261+/-0.021 χ^2/NDF: 2609751.5/35

All: 136.443+/-0.015 χ^2/NDF: 5878052.0/72

- sign 133.703+/-0.021 χ^2/NDF: 3233222.5/36

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -516.650+/-252.041 χ^2/NDF:15.3/19

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

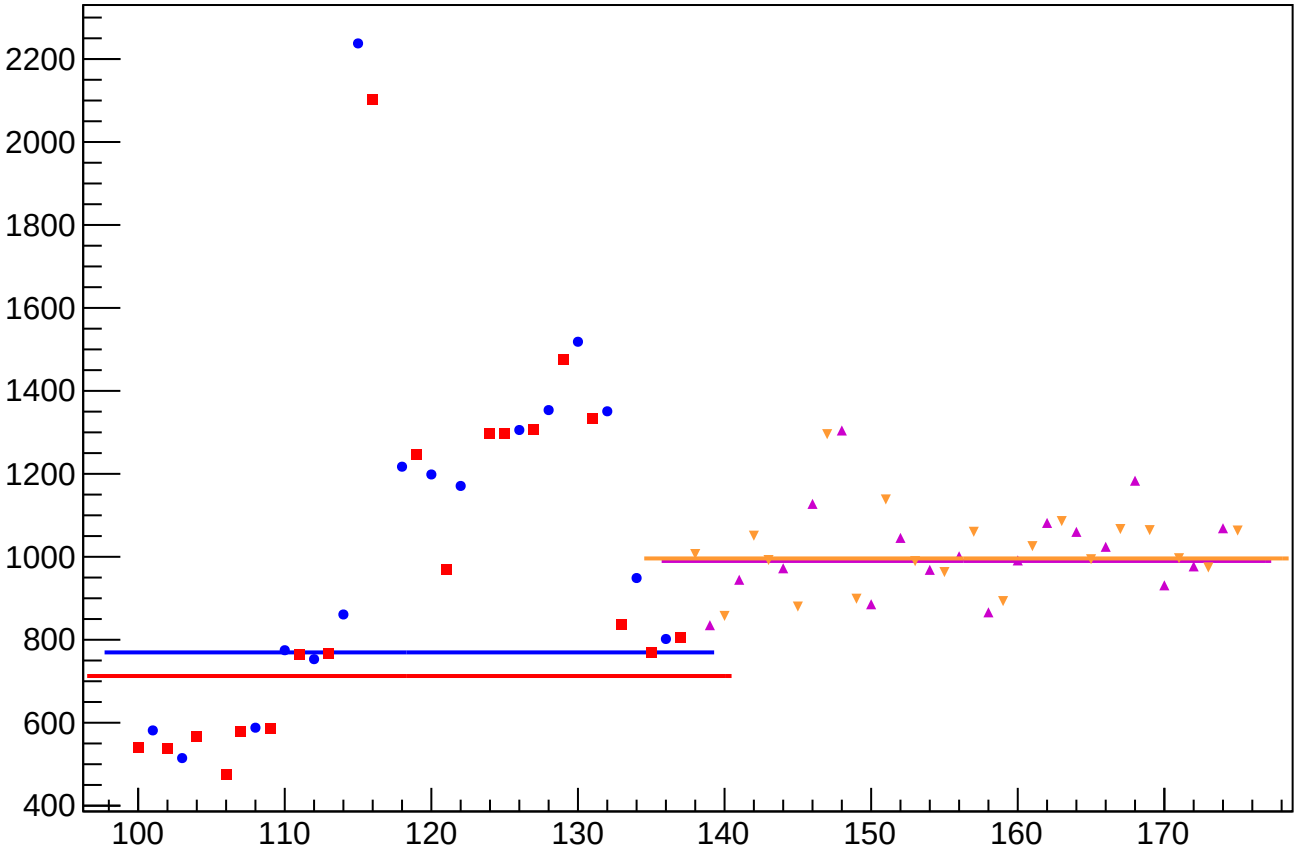
Left In: -37.498+/-259.019 χ^2/NDF:30.7/17

\+ sign -165.790+/-194.372 χ^2/NDF: 29.9/35

All: -225.226+/-135.831 χ^2/NDF: 81.0/72

\- sign -281.954+/-189.894 χ^2/NDF: 50.9/36

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 996.066+/-0.178 χ^2/NDF:270779.9/19

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

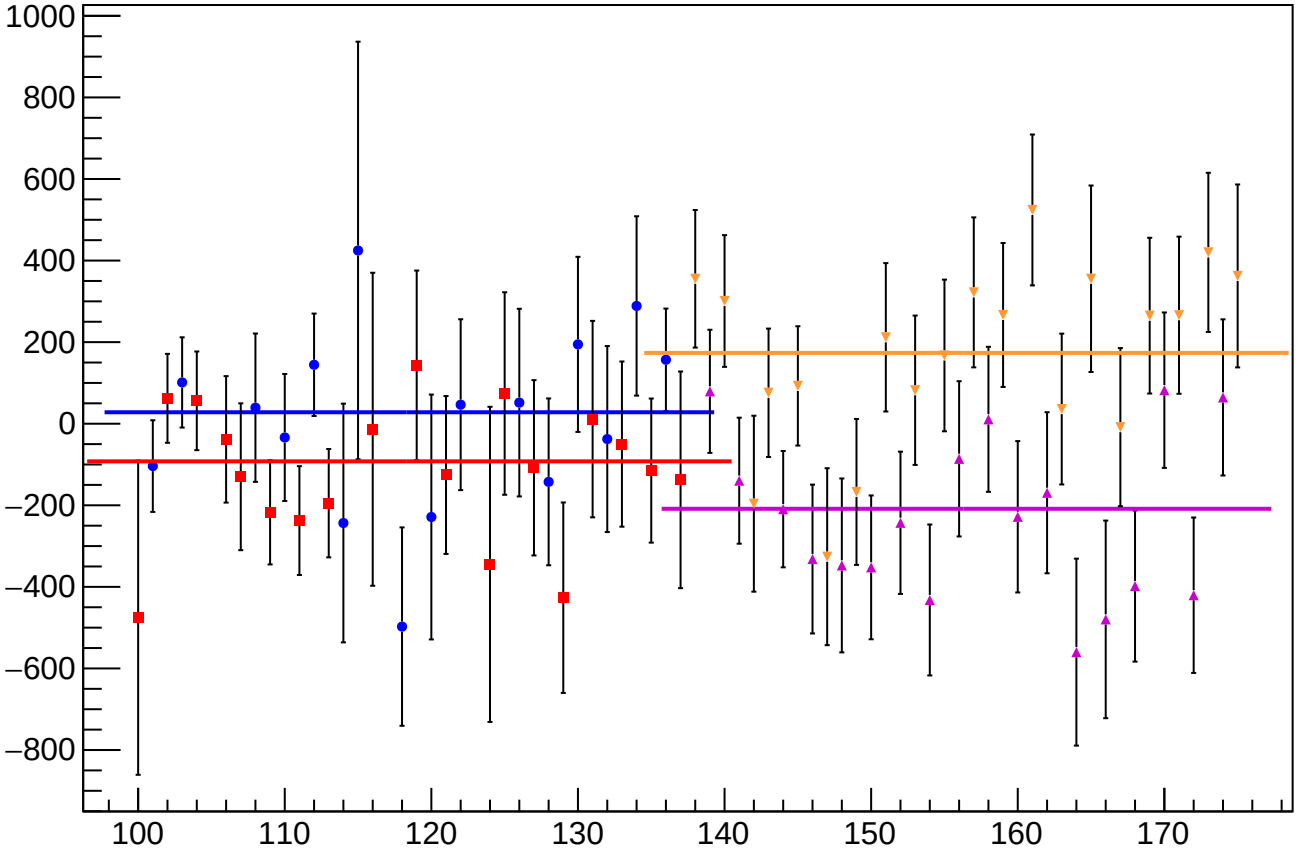
Left In: 990.036+/-0.183 χ^2/NDF:329578.7/17

+ sign 904.271+/-0.137 χ^2/NDF: 2665342.7/35

All: 882.504+/-0.096 χ^2/NDF: 5872225.0/72

- sign 861.729+/-0.134 χ^2/NDF: 3157861.9/36

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 173.648+/-41.170 χ^2/NDF:24.0/19

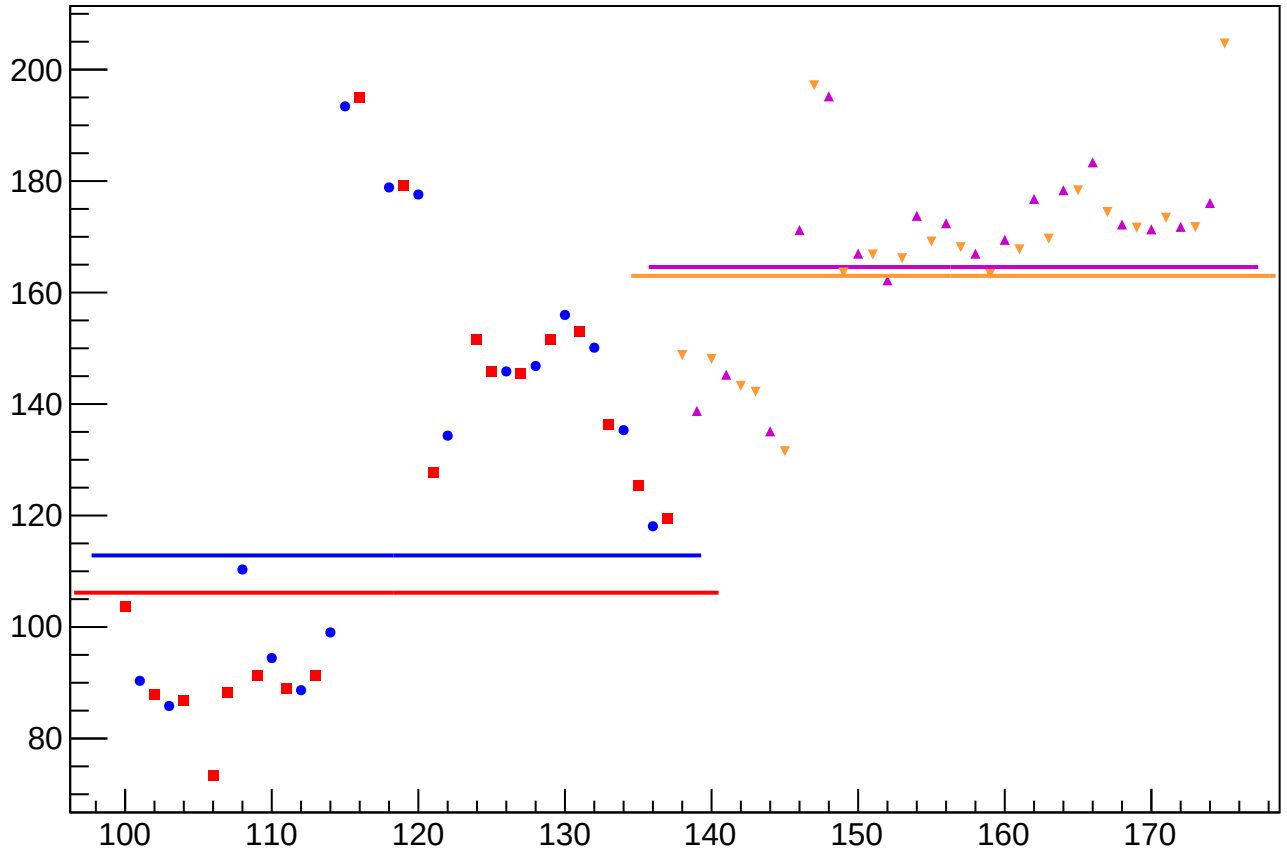
Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: -208.563+/-42.922 χ^2/NDF:19.1/17

+ sign 104.770+/-29.881 χ^2/NDF: 43.5/35

All: -22.896+/-20.983 χ^2/NDF: 114.2/72

- sign -147.086+/-29.472 χ^2/NDF: 34.7/36



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 162.992+/-0.029 χ^2/NDF:333280.1/19

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

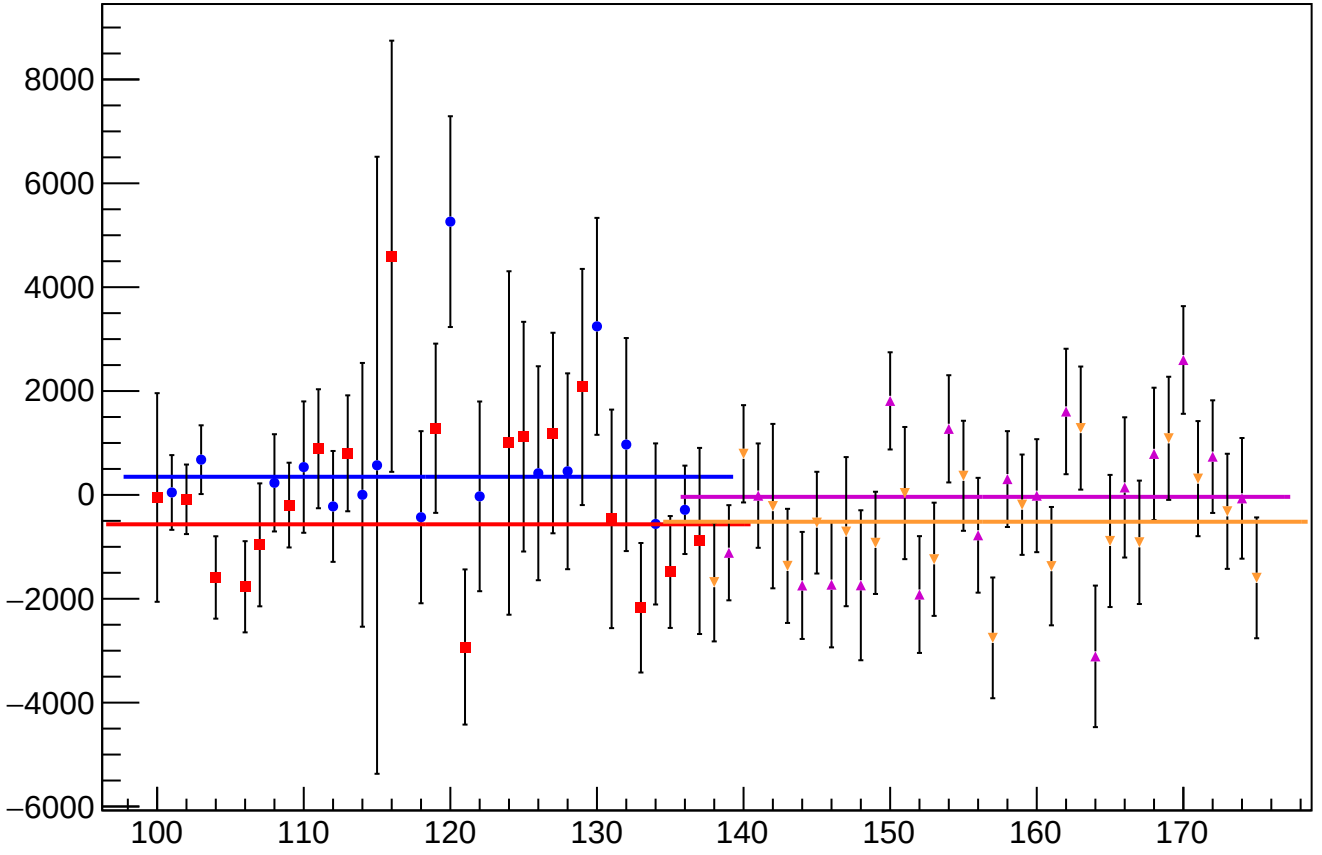
Left In: 164.581+/-0.030 χ^2/NDF:272710.0/17

+ sign 139.261+/-0.021 χ^2/NDF: 2609774.9/35

All: 136.443+/-0.015 χ^2/NDF: 5878093.4/72

- sign 133.703+/-0.021 χ^2/NDF: 3233241.3/36

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -516.650+/-252.041 χ^2/NDF:15.3/19

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

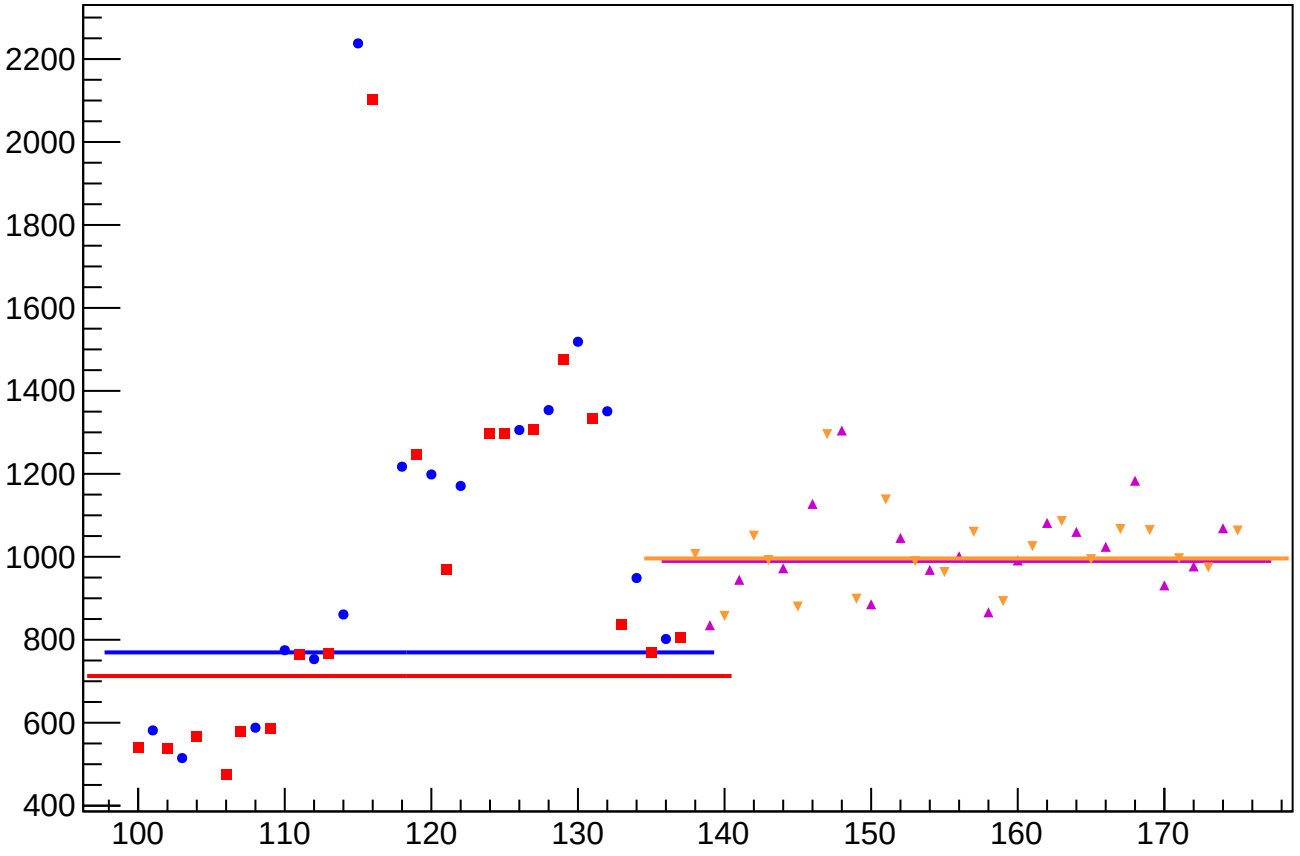
Left In: -37.498+/-259.019 χ^2/NDF:30.7/17

\+ sign -165.789+/-194.372 χ^2/NDF: 29.9/35

All: -225.226+/-135.831 χ^2/NDF: 81.0/72

\- sign -281.955+/-189.894 χ^2/NDF: 50.9/36

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 996.068+/-0.178 χ^2/NDF:270778.9/19

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

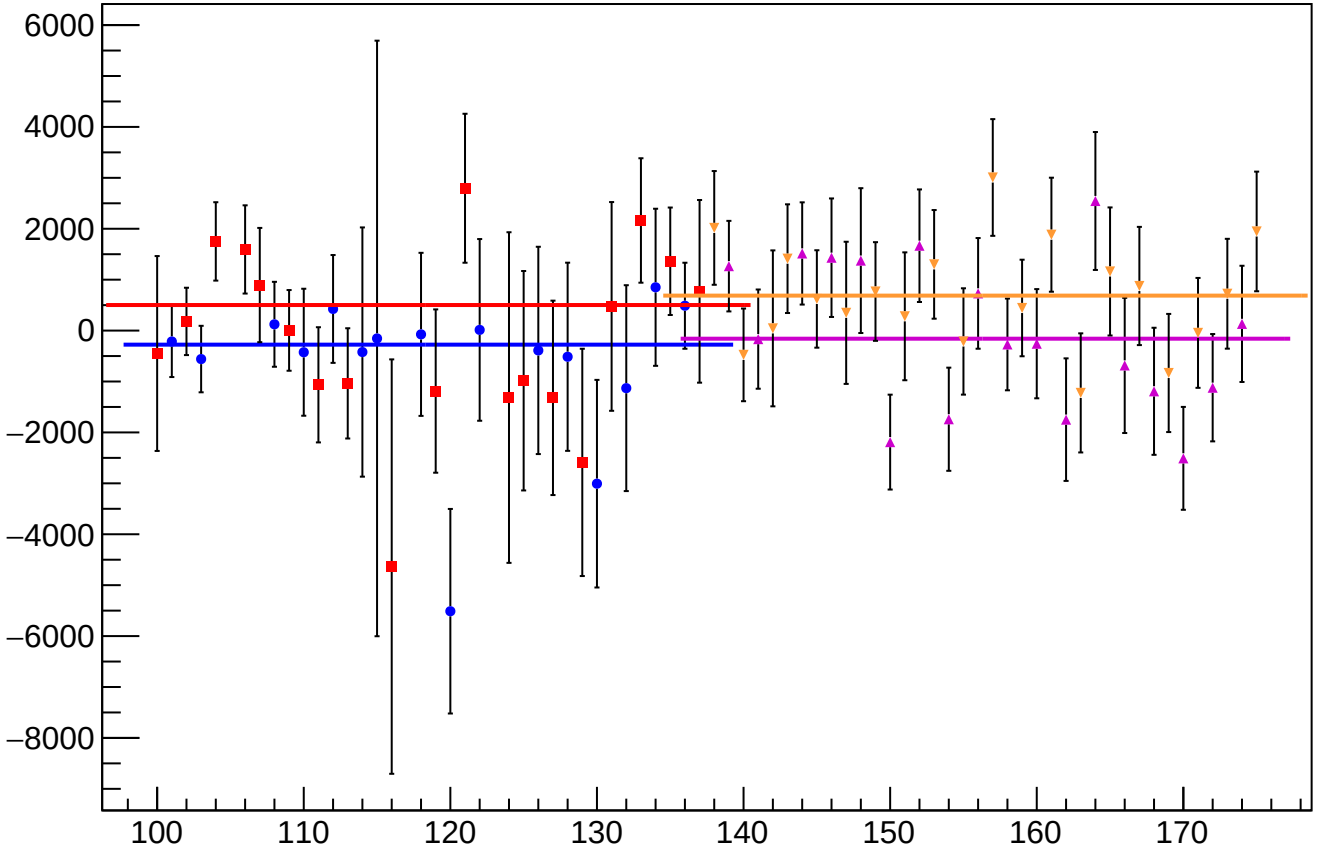
Left In: 990.038+/-0.183 χ^2/NDF:329578.2/17

+ sign 904.271+/-0.137 χ^2/NDF: 2665354.2/35

All: 882.504+/-0.096 χ^2/NDF: 5872250.0/72

- sign 861.729+/-0.134 χ^2/NDF: 3157875.0/36

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 686.935+/-247.123 χ^2/NDF:16.4/19

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

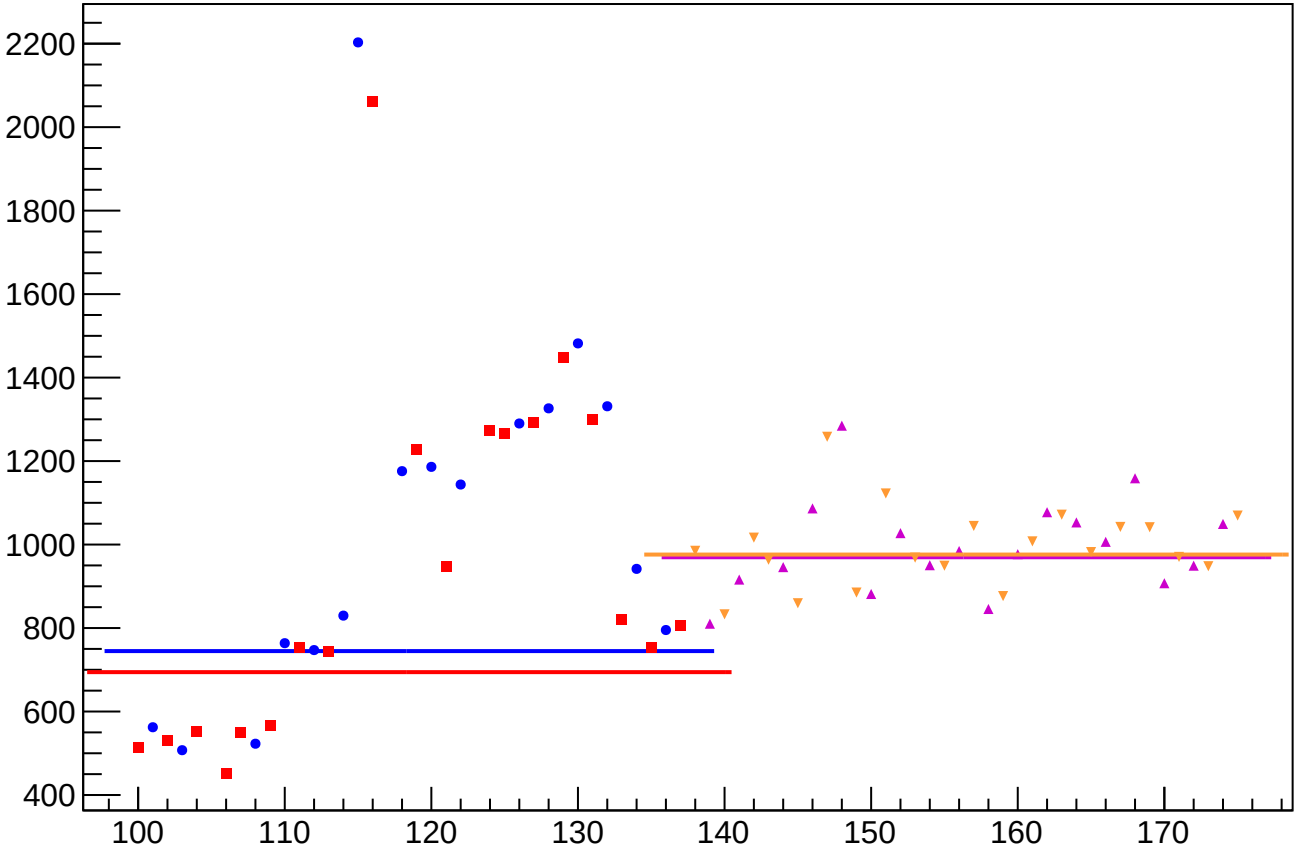
Left In: -159.284+/-253.770 χ^2/NDF:31.9/17

+ sign 292.461+/-189.887 χ^2/NDF: 33.7/35

All: 218.304+/-132.826 χ^2/NDF: 89.5/72

- sign 147.254+/-185.866 χ^2/NDF: 55.5/36

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 976.035+/-0.175 χ^2/NDF:280093.4/19

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

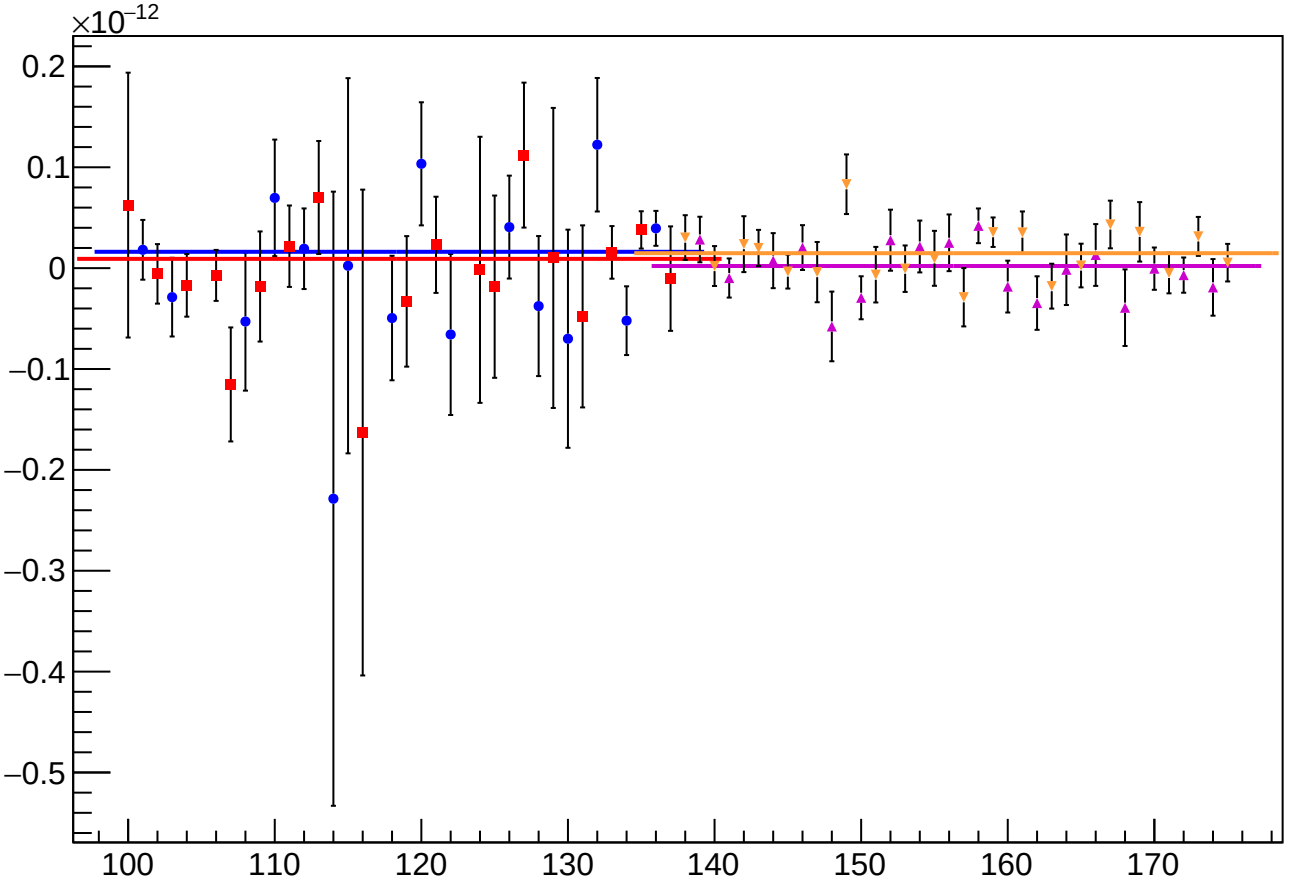
Left In: 969.578+/-0.179 χ^2/NDF:341305.5/17

+ sign 881.320+/-0.134 χ^2/NDF: 2819956.8/35

All: 861.235+/-0.094 χ^2/NDF: 6099369.0/72

- sign 841.992+/-0.131 χ^2/NDF: 3235599.9/36

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/19

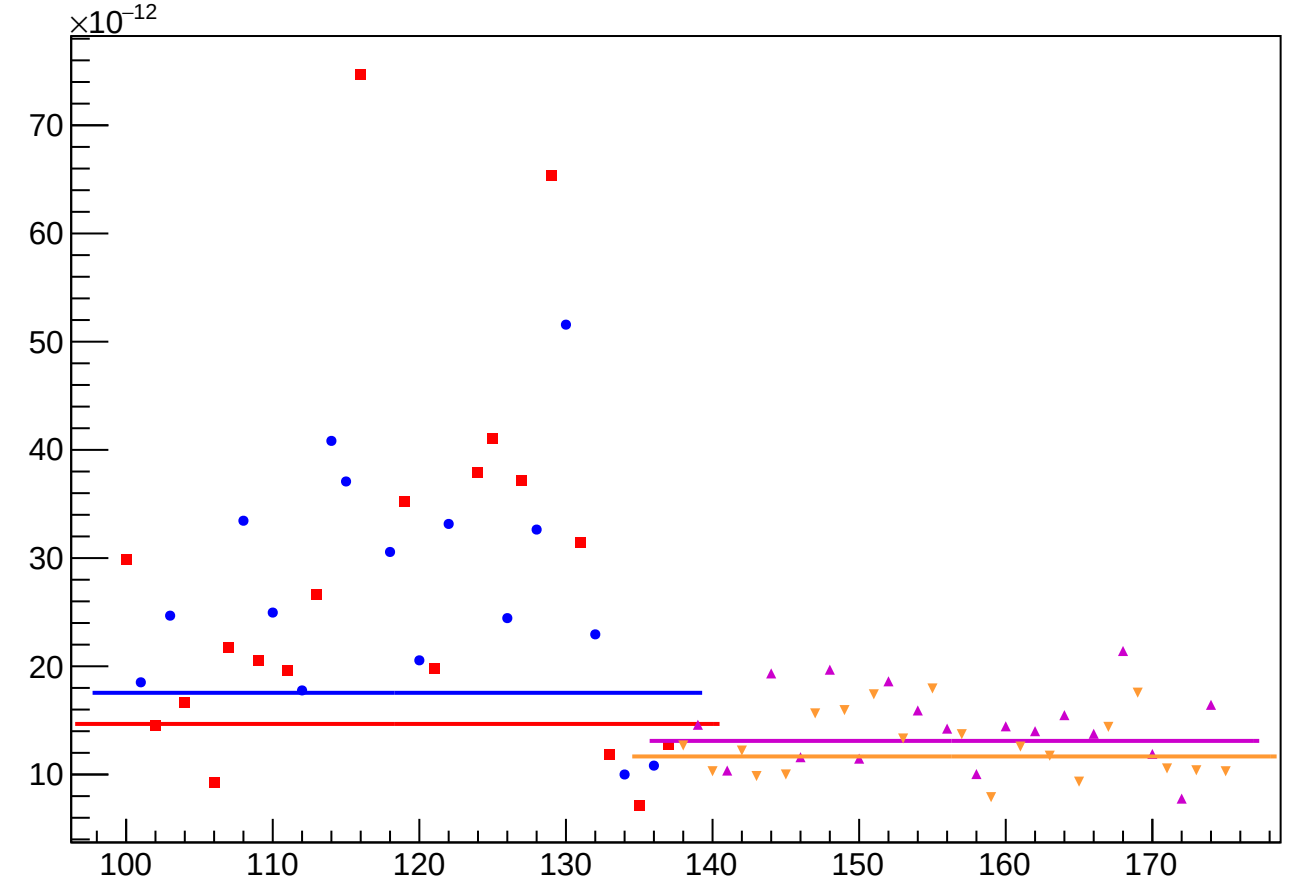
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:19.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 38.7/35

All: 0.000+/-0.000 χ^2/NDF: 75.7/72

- sign 0.000+/-0.000 χ^2/NDF: 34.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:637585.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

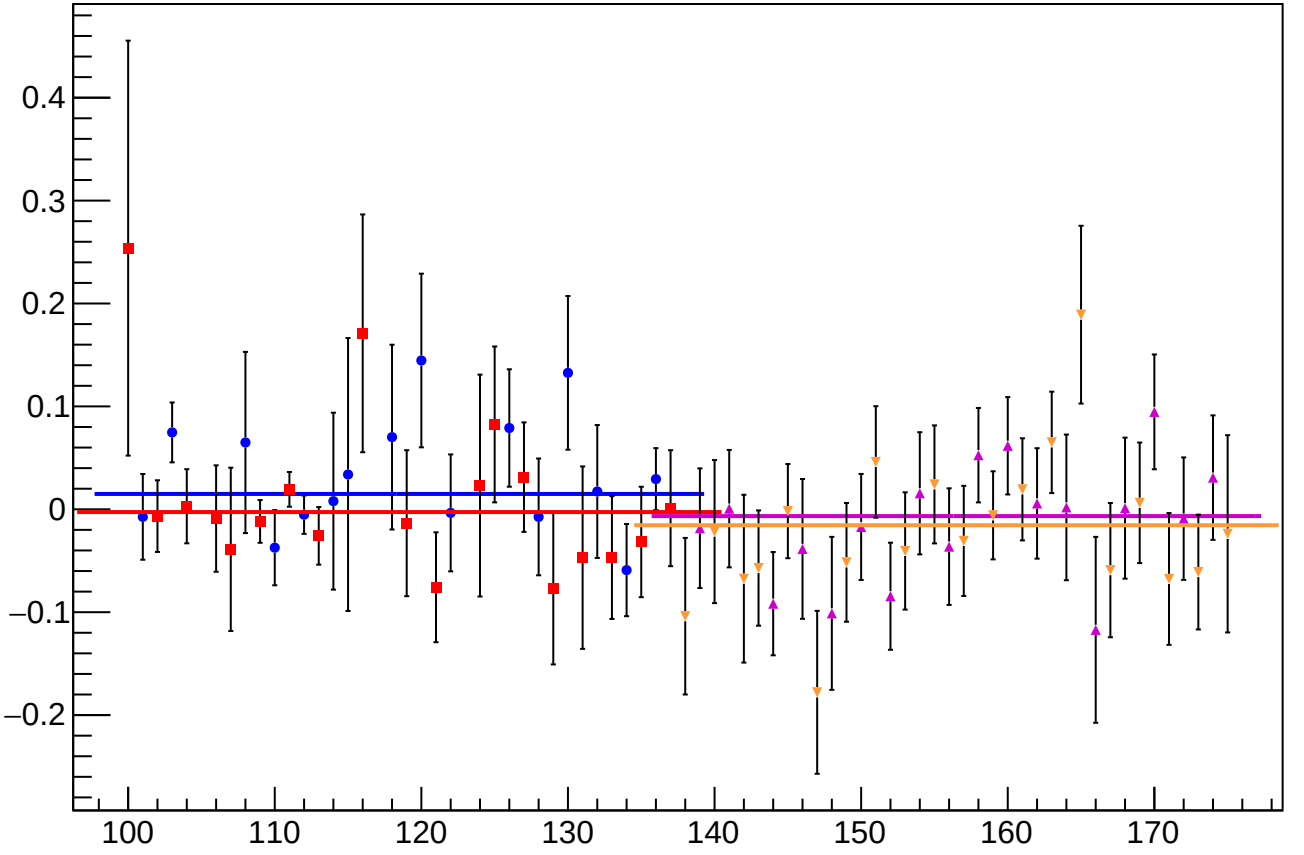
Left In: 0.000+/-0.000 χ^2/NDF:739014.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 2297023.5/35

All: 0.000+/-0.000 χ^2/NDF: 4852520.7/72

- sign 0.000+/-0.000 χ^2/NDF: 2521416.9/36

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/19

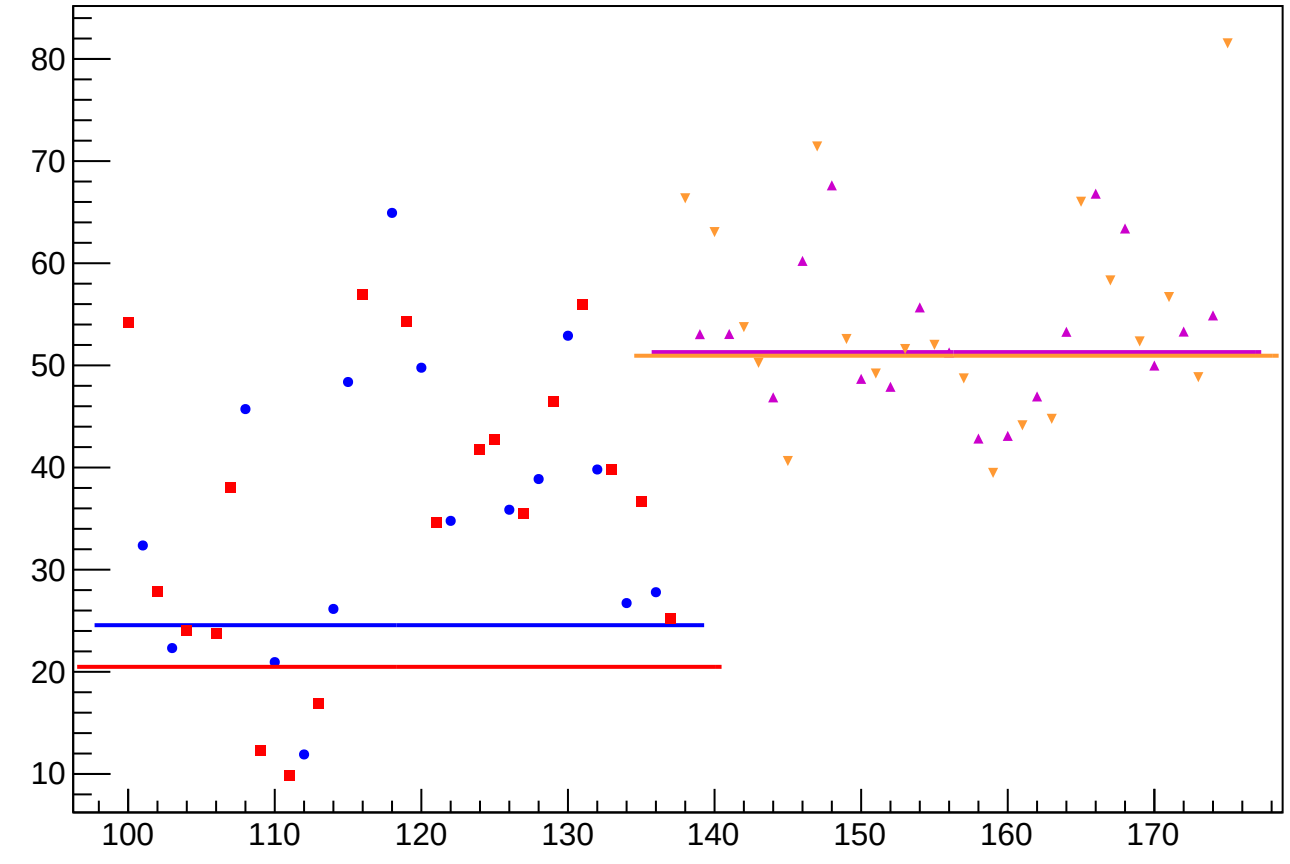
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.007+/-0.014 χ^2/NDF:16.5/17

+ sign 0.003+/-0.008 χ^2/NDF: 40.8/35

All: -0.001+/-0.006 χ^2/NDF: 70.2/72

- sign -0.004+/-0.008 χ^2/NDF: 29.0/36



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.946+/-0.009 χ^2/NDF:911564.7/19

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

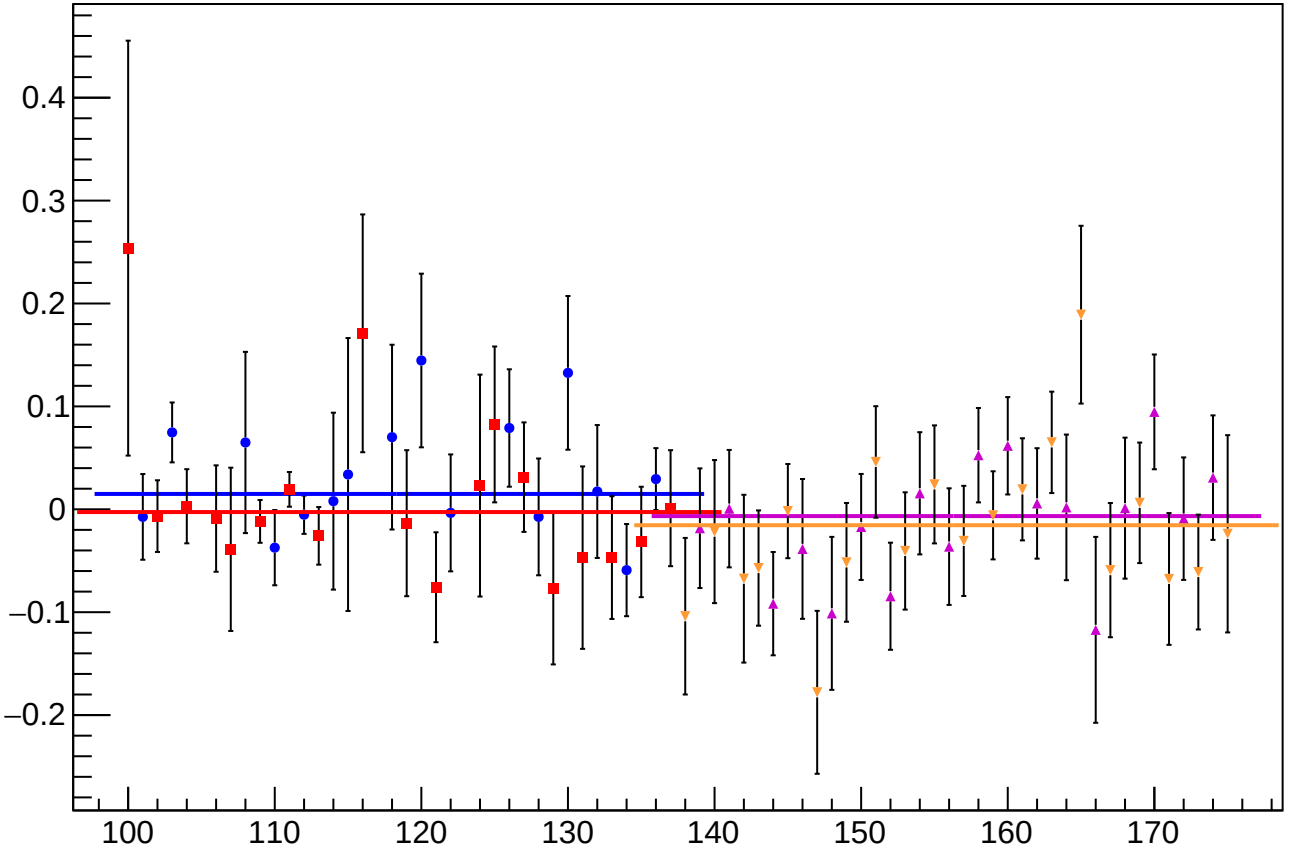
Left In: 51.301+/-0.010 χ^2/NDF:449486.8/17

+ sign 34.944+/-0.006 χ^2/NDF: 8280913.2/35

All: 32.397+/-0.004 χ^2/NDF: 19711350.3/72

- sign 30.216+/-0.005 χ^2/NDF: 11076204.7/36

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/19

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

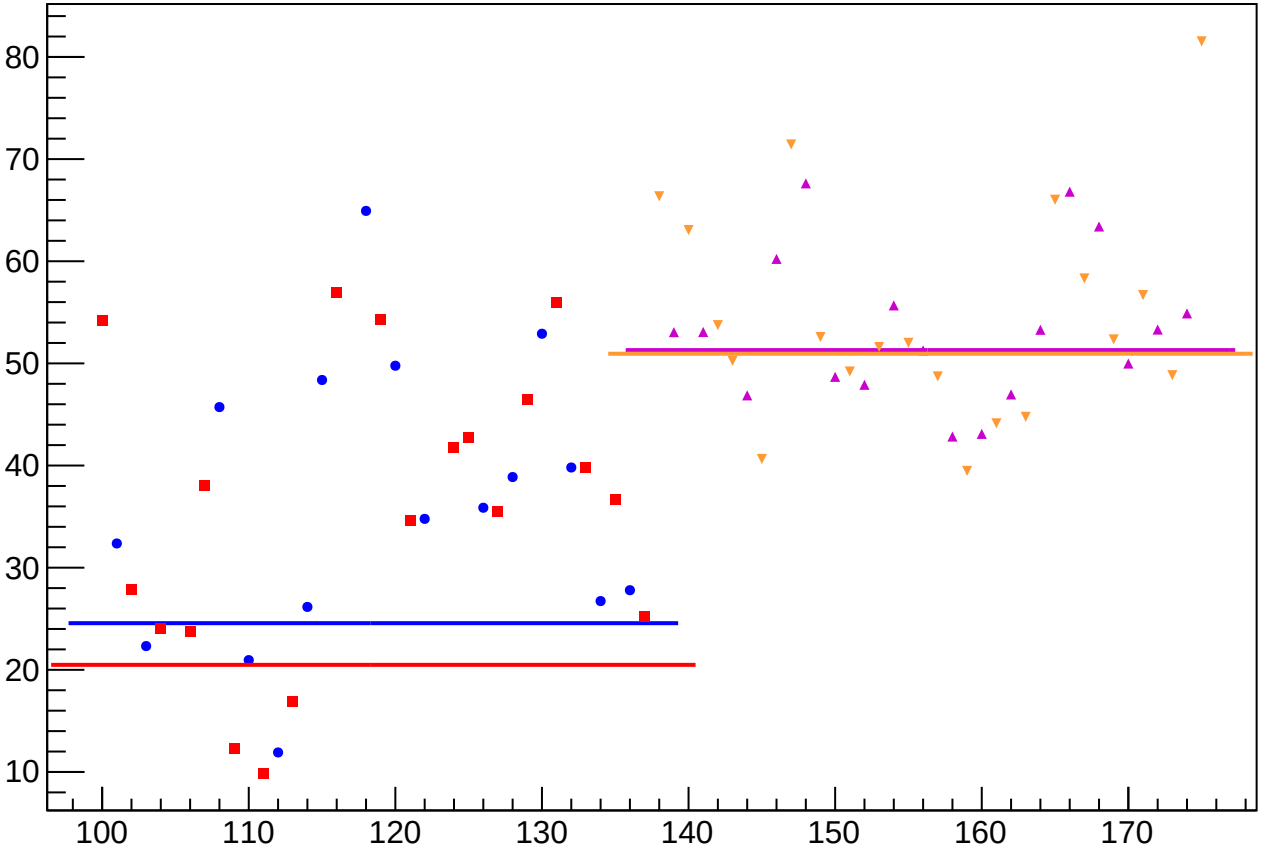
Left In: -0.007+/-0.014 χ^2/NDF:16.5/17

+ sign 0.003+/-0.008 χ^2/NDF: 40.8/35

All: -0.001+/-0.006 χ^2/NDF: 70.2/72

- sign -0.004+/-0.008 χ^2/NDF: 29.0/36

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.946+/-0.009 χ^2/NDF:911564.7/19

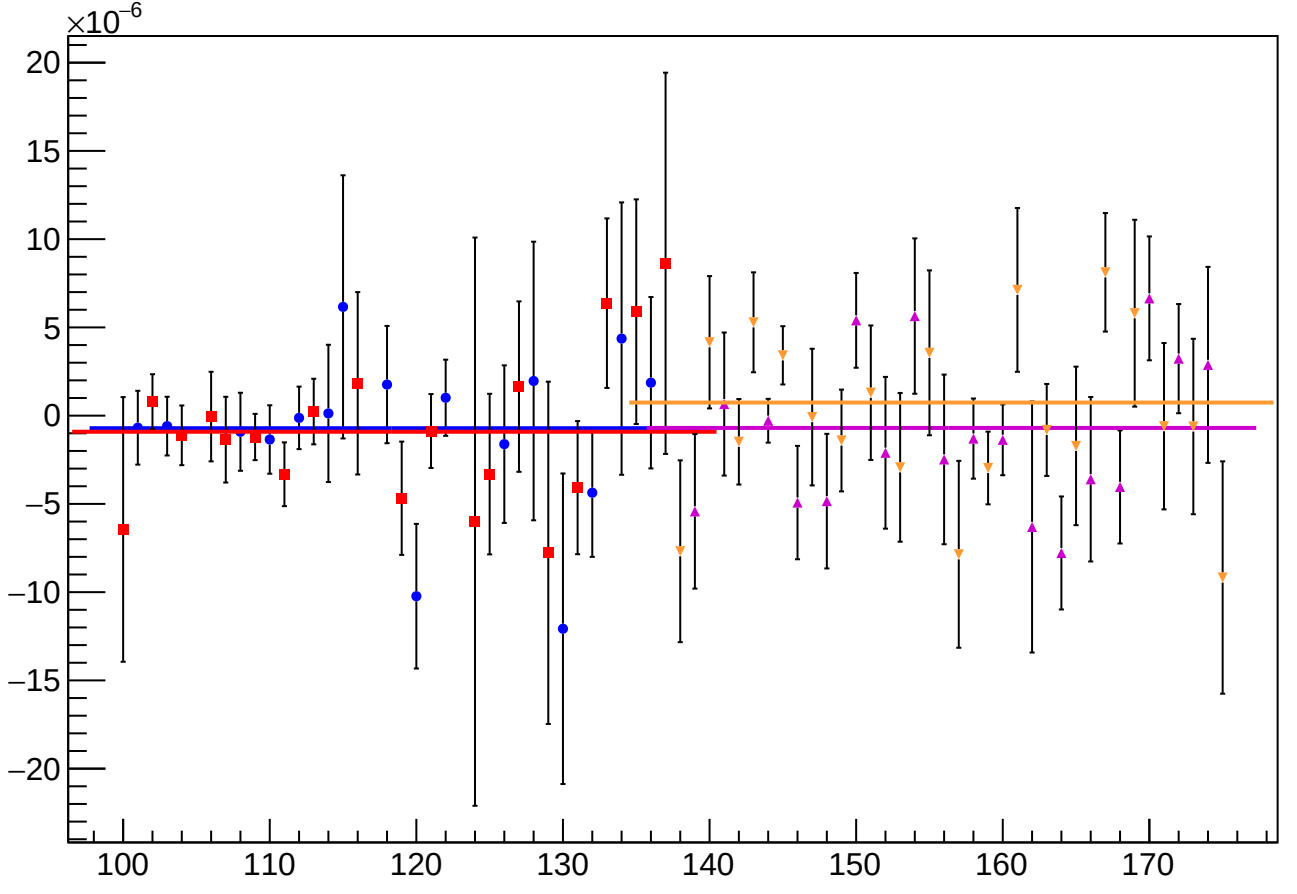
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.301+/-0.010 χ^2/NDF:449486.8/17

+ sign 34.944+/-0.006 χ^2/NDF: 8280913.2/35

All: 32.397+/-0.004 χ^2/NDF: 19711350.3/72

- sign 30.216+/-0.005 χ^2/NDF: 11076204.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/19

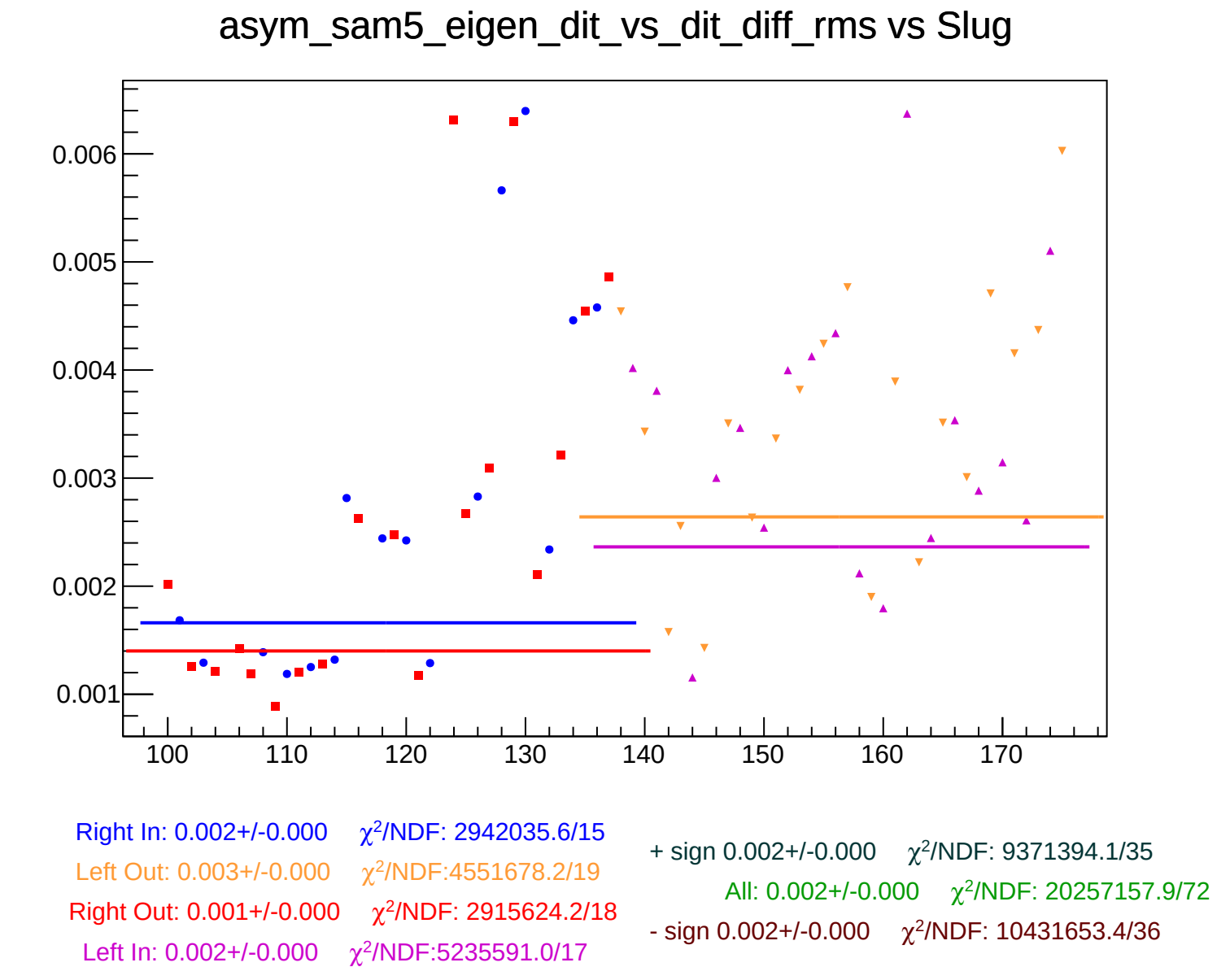
Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

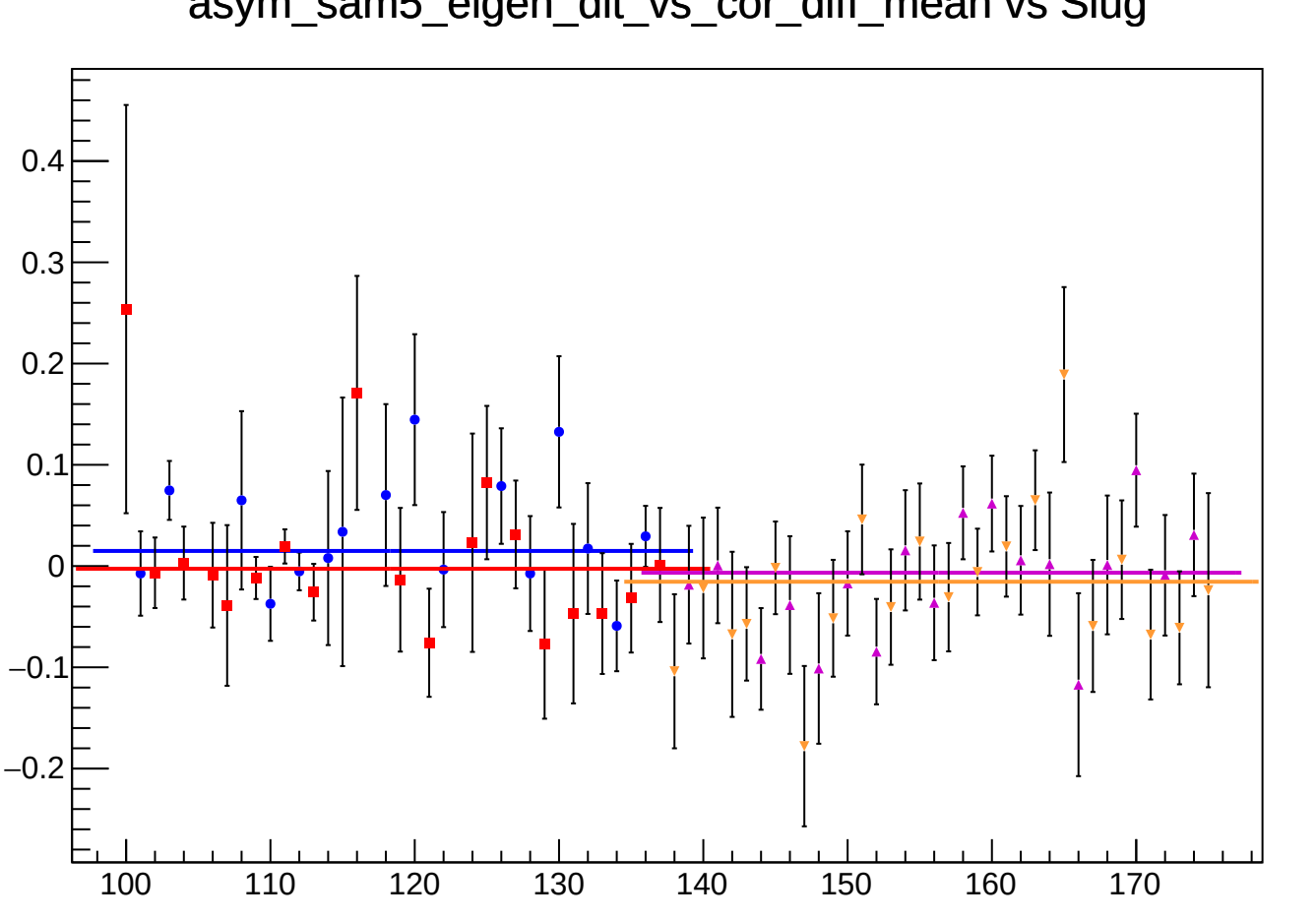
Left In: -0.000+/-0.000 χ^2/NDF:25.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 41.2/35

All: -0.000+/-0.000 χ^2/NDF: 79.9/72

- sign -0.000+/-0.000 χ^2/NDF: 37.3/36


asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 2942035.6/15
Left Out: 0.003+/-0.000 χ²/NDF:4551678.2/19
Right Out: 0.001+/-0.000 χ²/NDF: 2915624.2/18
Left In: 0.002+/-0.000 χ²/NDF:5235591.0/17
+ sign 0.002+/-0.000 χ²/NDF: 9371394.1/35
All: 0.002+/-0.000 χ²/NDF: 20257157.9/72
- sign 0.002+/-0.000 χ²/NDF: 10431653.4/36



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/19

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

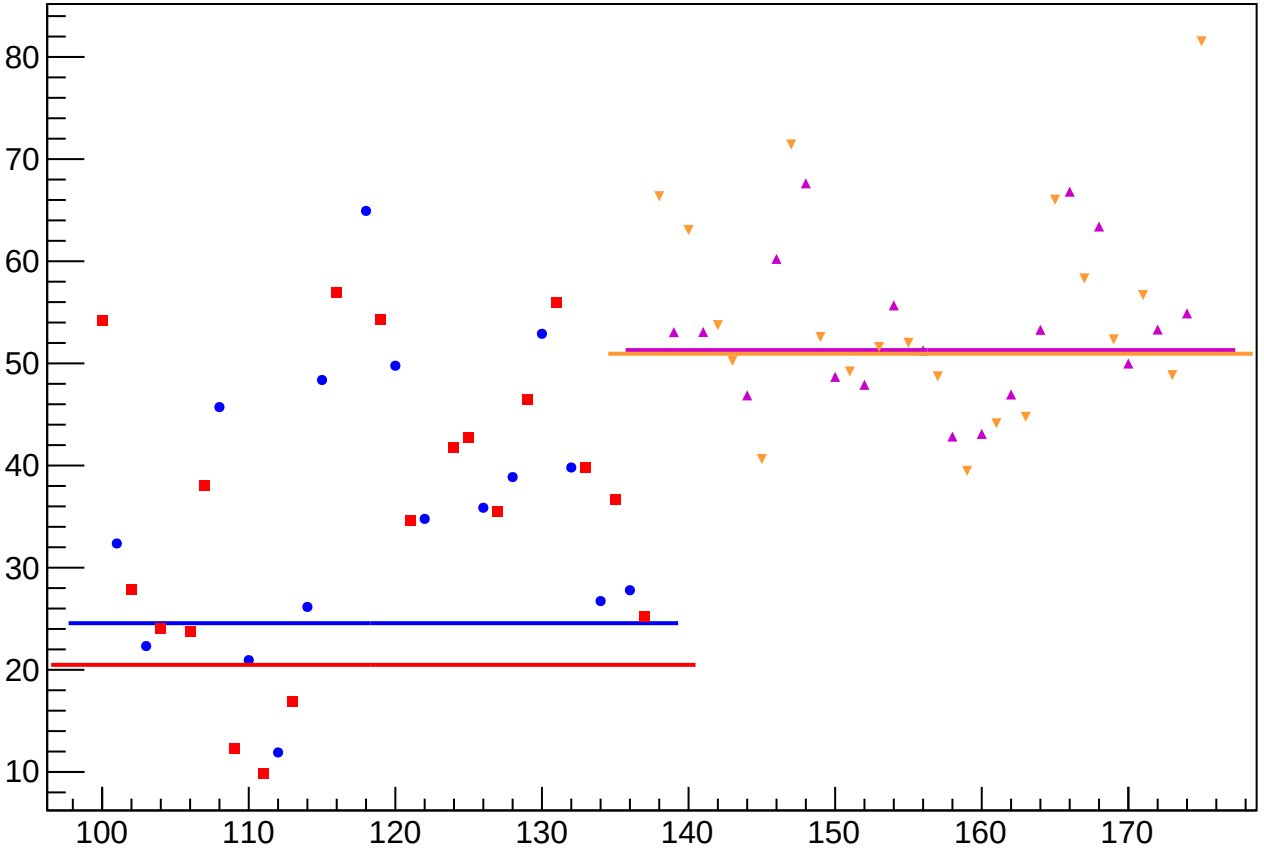
Left In: -0.007+/-0.014 χ^2/NDF:16.5/17

+ sign 0.003+/-0.008 χ^2/NDF: 40.8/35

All: -0.001+/-0.006 χ^2/NDF: 70.2/72

- sign -0.004+/-0.008 χ^2/NDF: 29.0/36

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.946+/-0.009 χ^2/NDF:911696.3/19

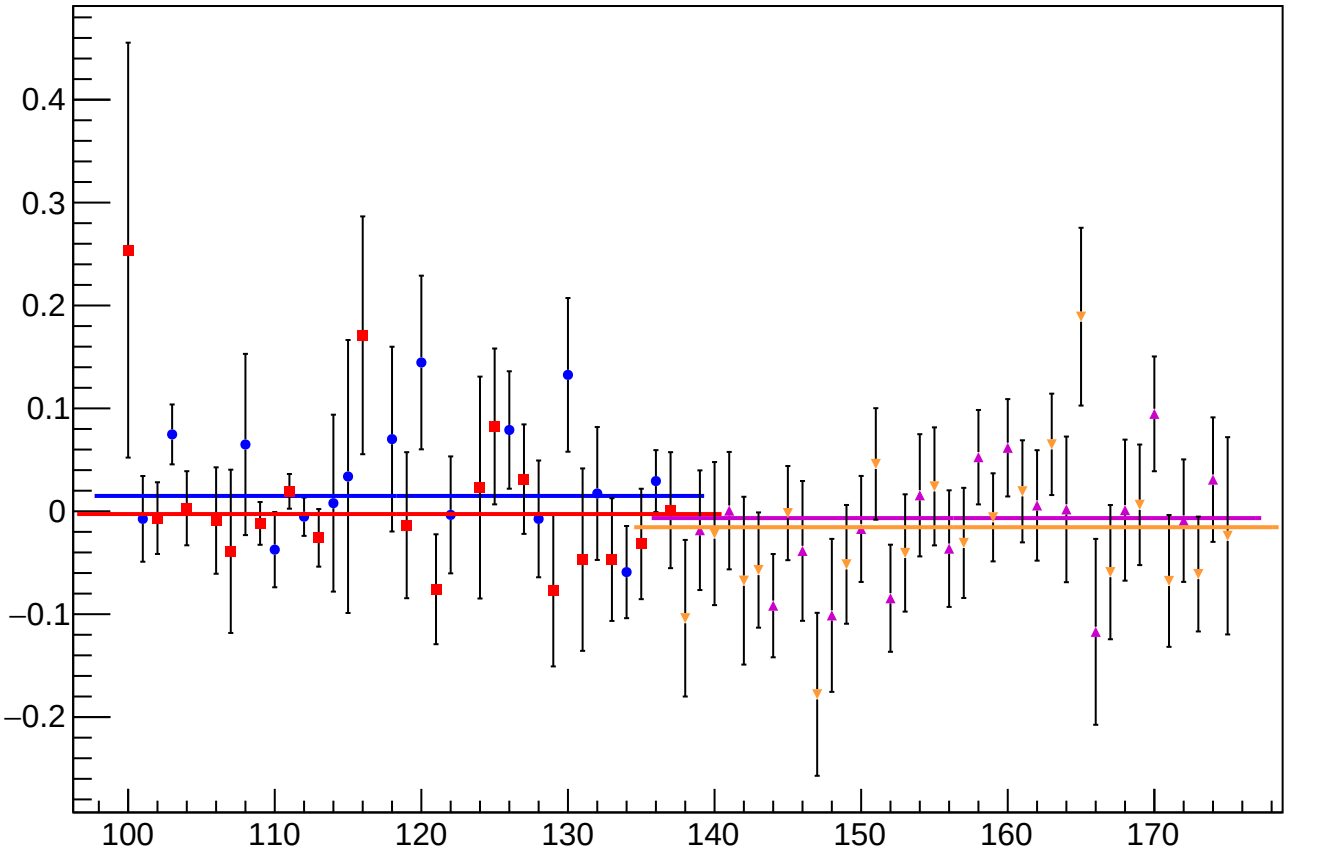
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.301+/-0.010 χ^2/NDF:449596.3/17

+ sign 34.943+/-0.006 χ^2/NDF: 8281272.6/35

All: 32.397+/-0.004 χ^2/NDF: 19712190.6/72

- sign 30.215+/-0.005 χ^2/NDF: 11076658.7/36



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/19

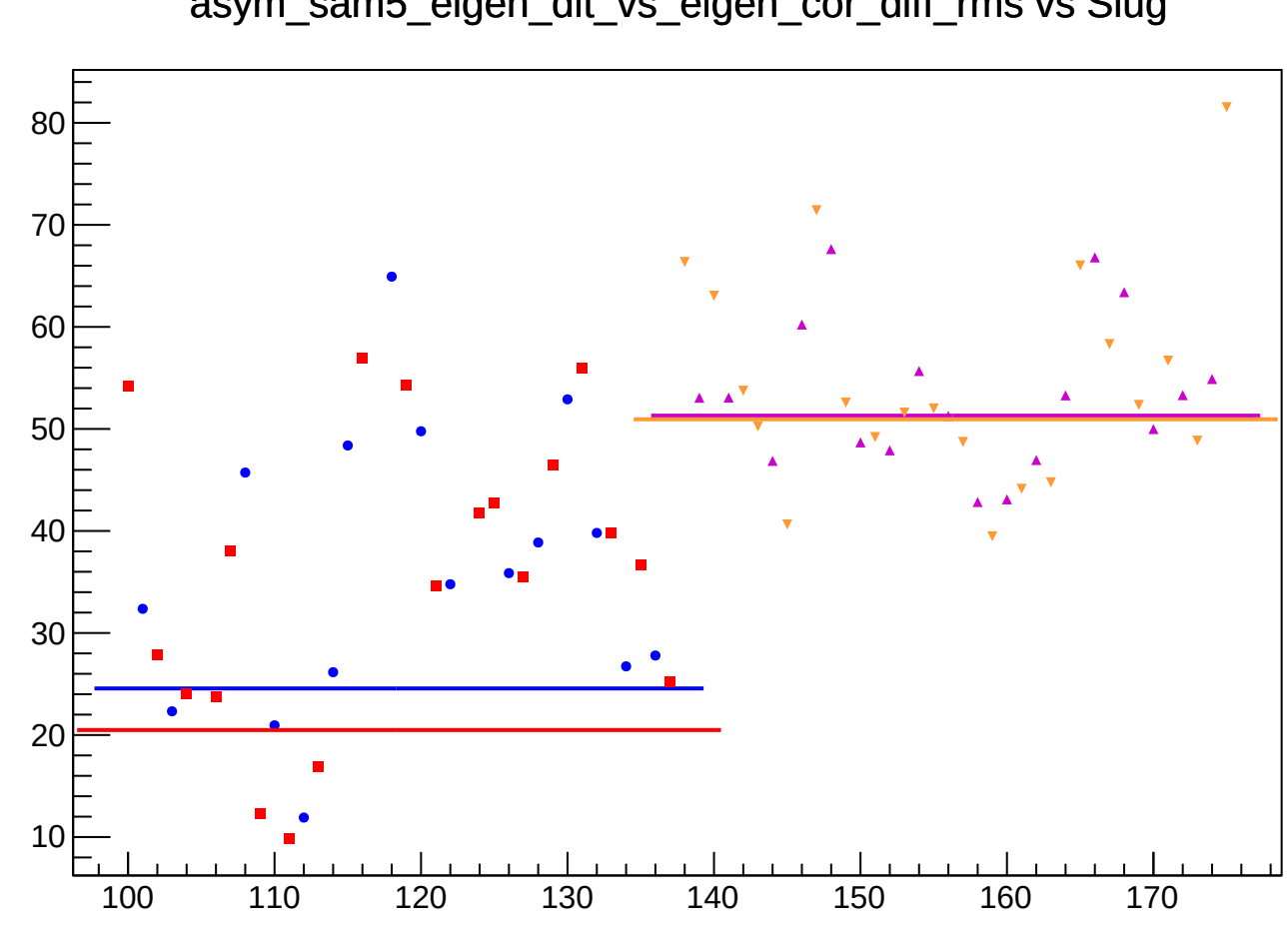
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.007+/-0.014 χ^2/NDF:16.5/17

+ sign 0.003+/-0.008 χ^2/NDF: 40.8/35

All: -0.001+/-0.006 χ^2/NDF: 70.2/72

- sign -0.004+/-0.008 χ^2/NDF: 29.0/36



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.946+/-0.009 χ^2/NDF:911696.3/19

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

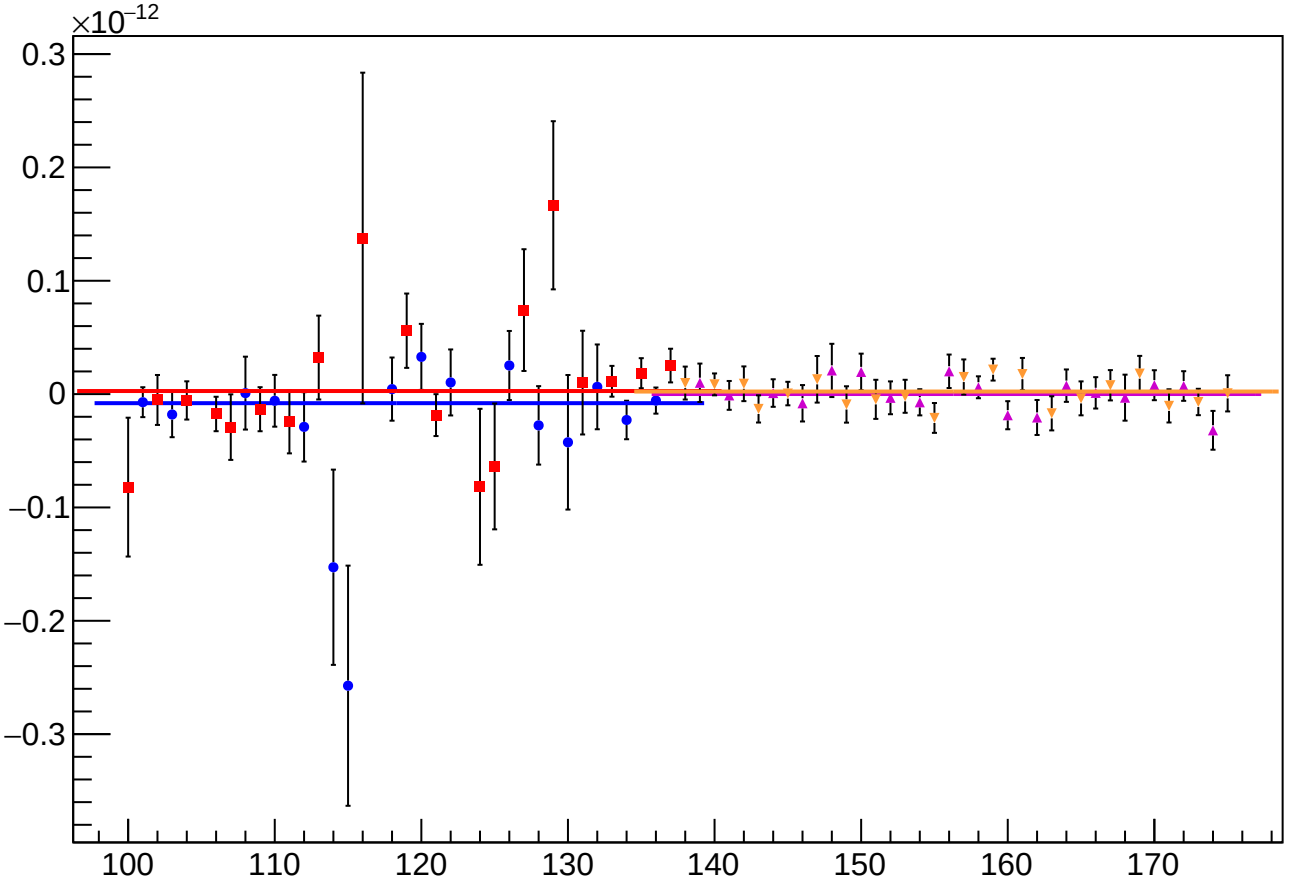
Left In: 51.301+/-0.010 χ^2/NDF:449596.3/17

+ sign 34.943+/-0.006 χ^2/NDF: 8281272.6/35

All: 32.397+/-0.004 χ^2/NDF: 19712190.6/72

- sign 30.215+/-0.005 χ^2/NDF: 11076658.7/36

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

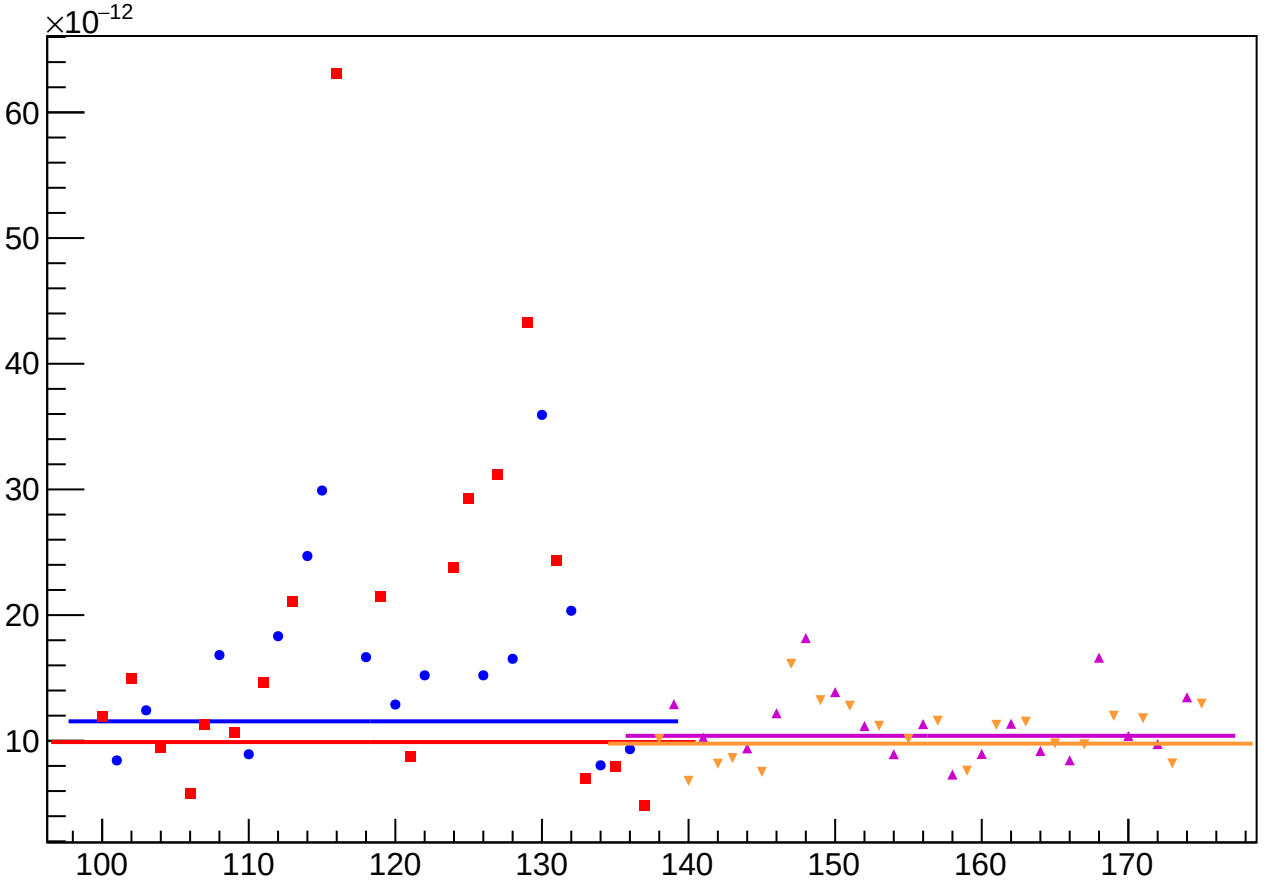
Left In: 0.000+/-0.000 χ^2/NDF:14.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 34.0/35

All: 0.000+/-0.000 χ^2/NDF: 74.3/72

- sign 0.000+/-0.000 χ^2/NDF: 40.3/36

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1179957.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1058755.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

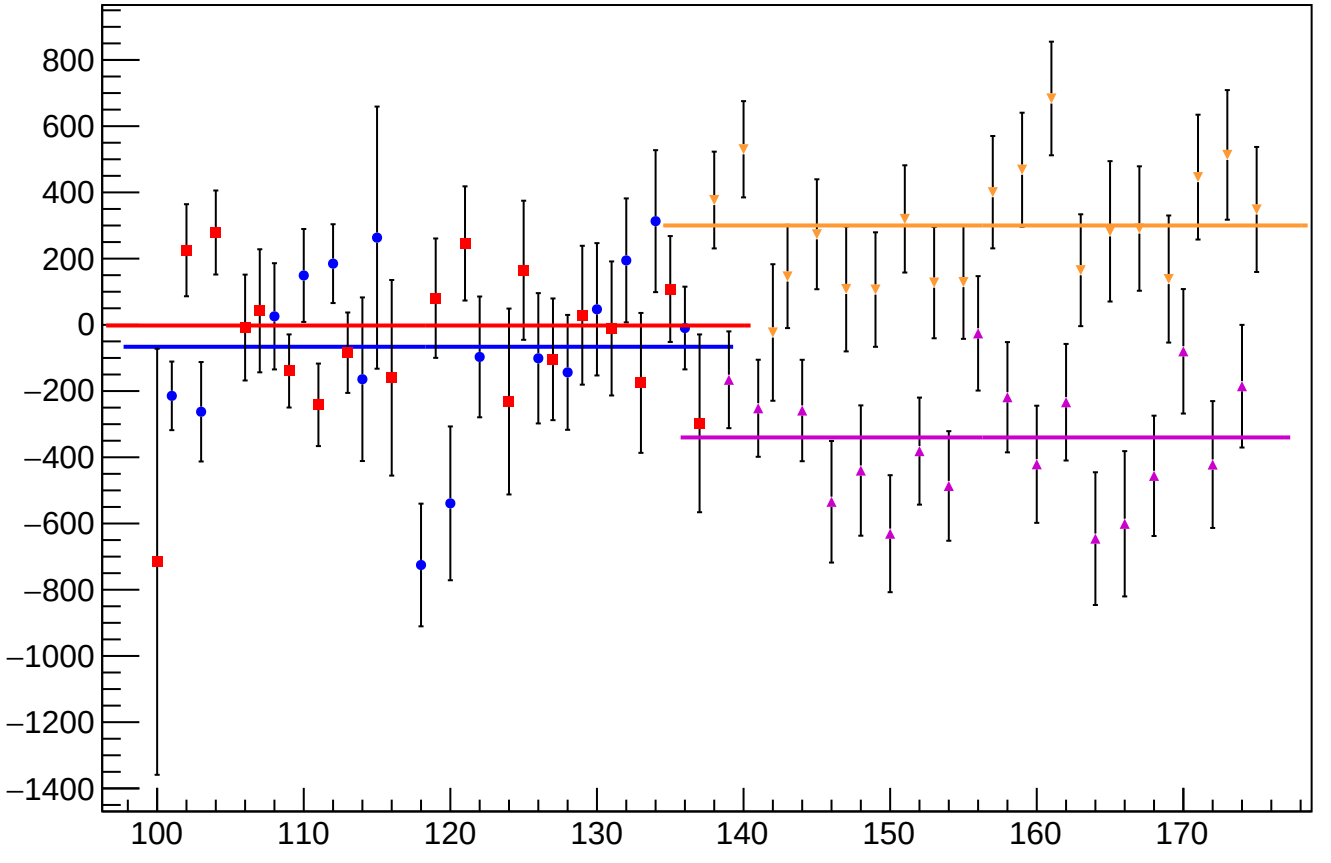
Left In: 0.000+/-0.000 χ^2/NDF:989584.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 2387014.6/35

All: 0.000+/-0.000 χ^2/NDF: 6026791.8/72

- sign 0.000+/-0.000 χ^2/NDF: 3638429.1/36

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 300.122+/-38.875 χ^2/NDF:20.1/19

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

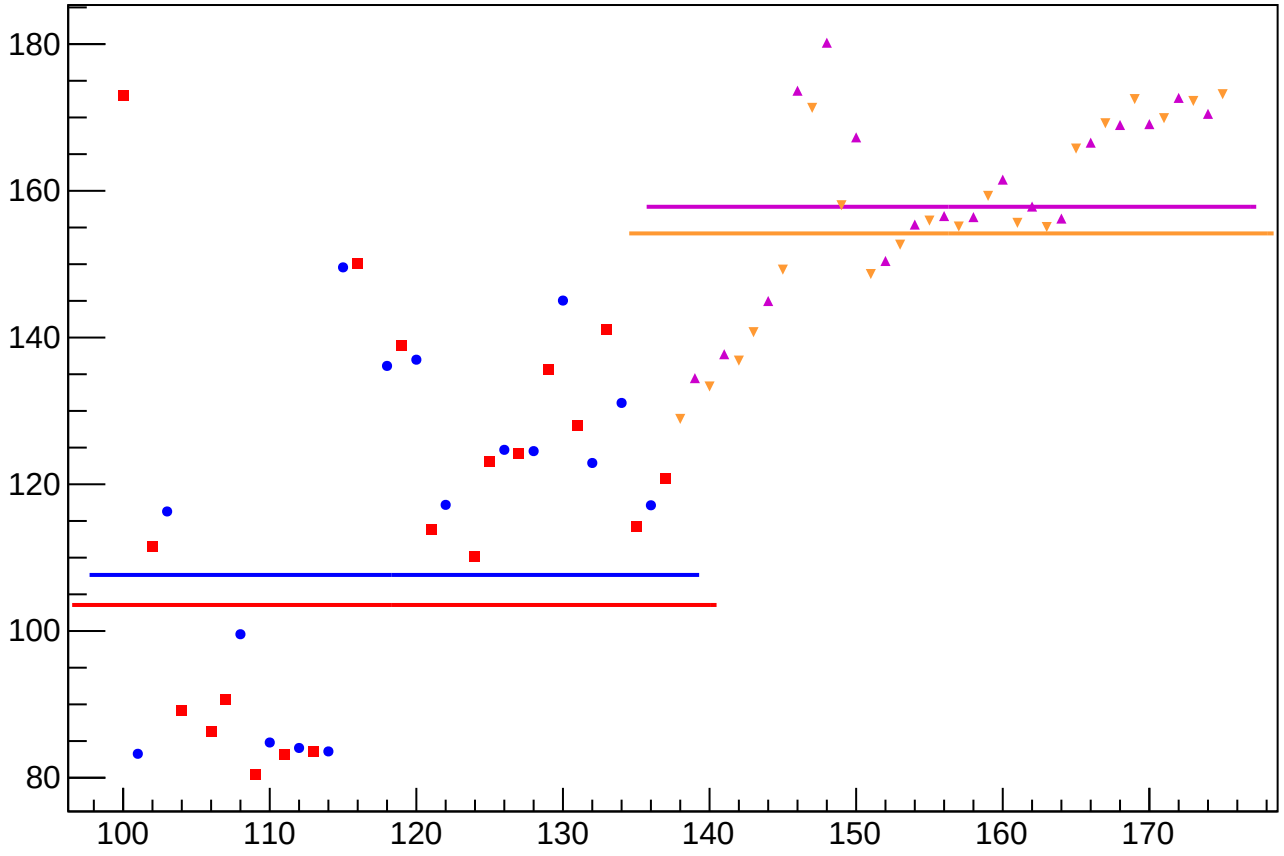
Left In: -340.083+/-41.075 χ^2/NDF:18.4/17

+ sign 126.406+/-28.190 χ^2/NDF: 96.6/35

All: -17.441+/-19.948 χ^2/NDF: 224.0/72

- sign -161.715+/-28.231 χ^2/NDF: 75.2/36

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 154.195+/-0.027 χ^2/NDF:242101.0/19

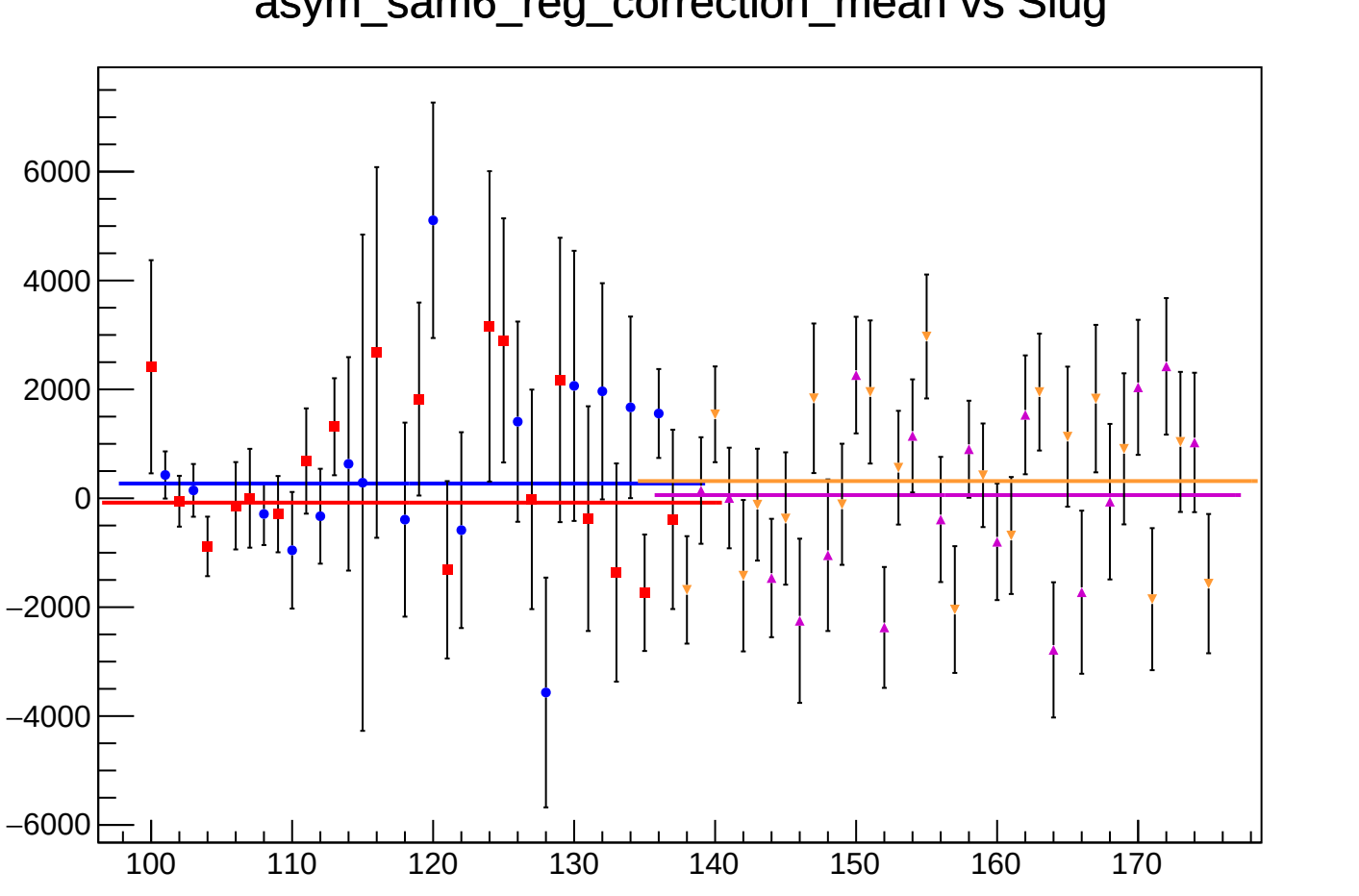
Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 157.827+/-0.029 χ^2/NDF:194282.8/17

+ sign 132.122+/-0.020 χ^2/NDF: 2134781.2/35

All: 130.658+/-0.014 χ^2/NDF: 4799732.3/72

- sign 129.190+/-0.020 χ^2/NDF: 2654148.2/36



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 316.480+/-257.218 χ^2/NDF:30.9/19

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

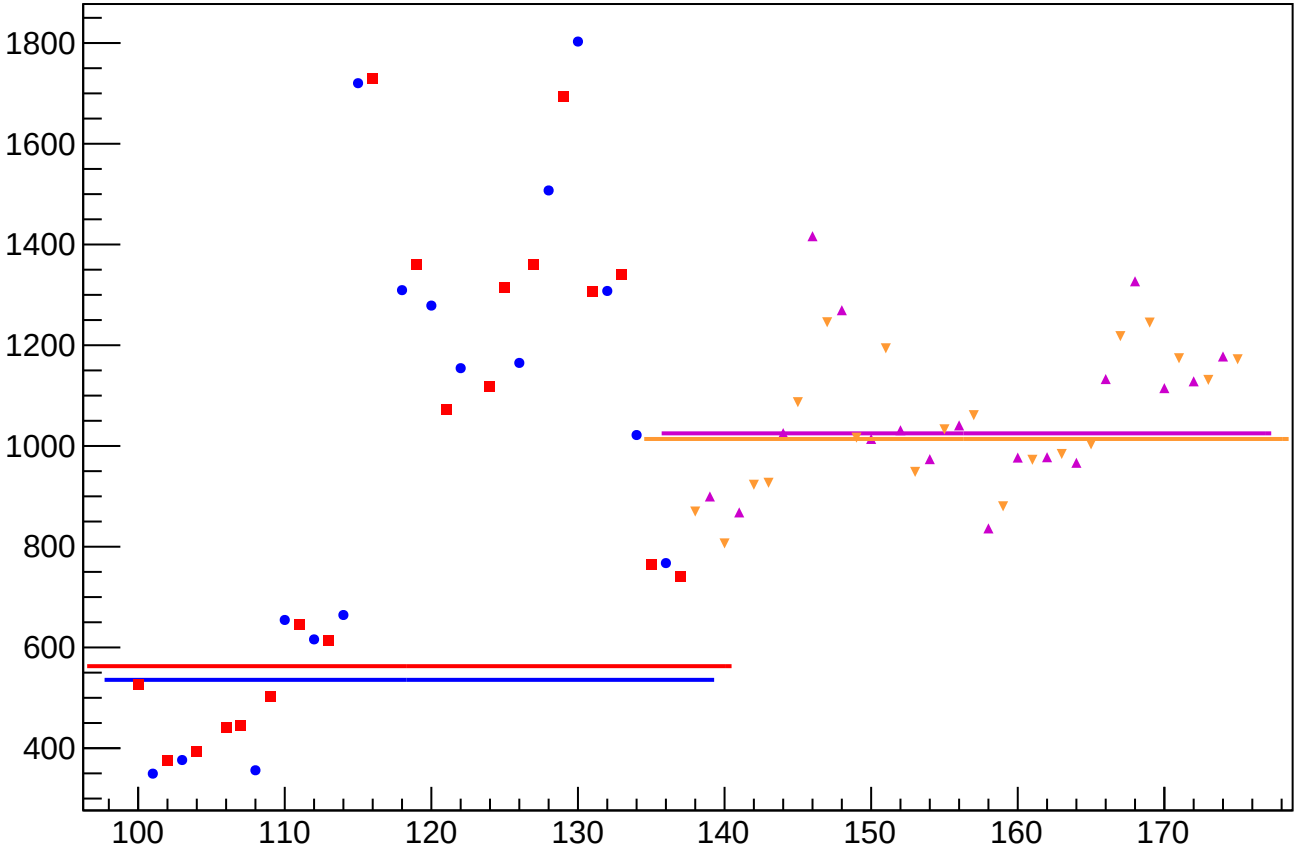
Left In: 59.075+/-268.847 χ^2/NDF:31.9/17

+ sign 291.552+/-171.727 χ^2/NDF: 47.4/35

All: 139.031+/-122.813 χ^2/NDF: 97.1/72

- sign -20.648+/-175.710 χ^2/NDF: 48.1/36

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1013.894+/-0.182 χ^2/NDF:512358.4/19

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

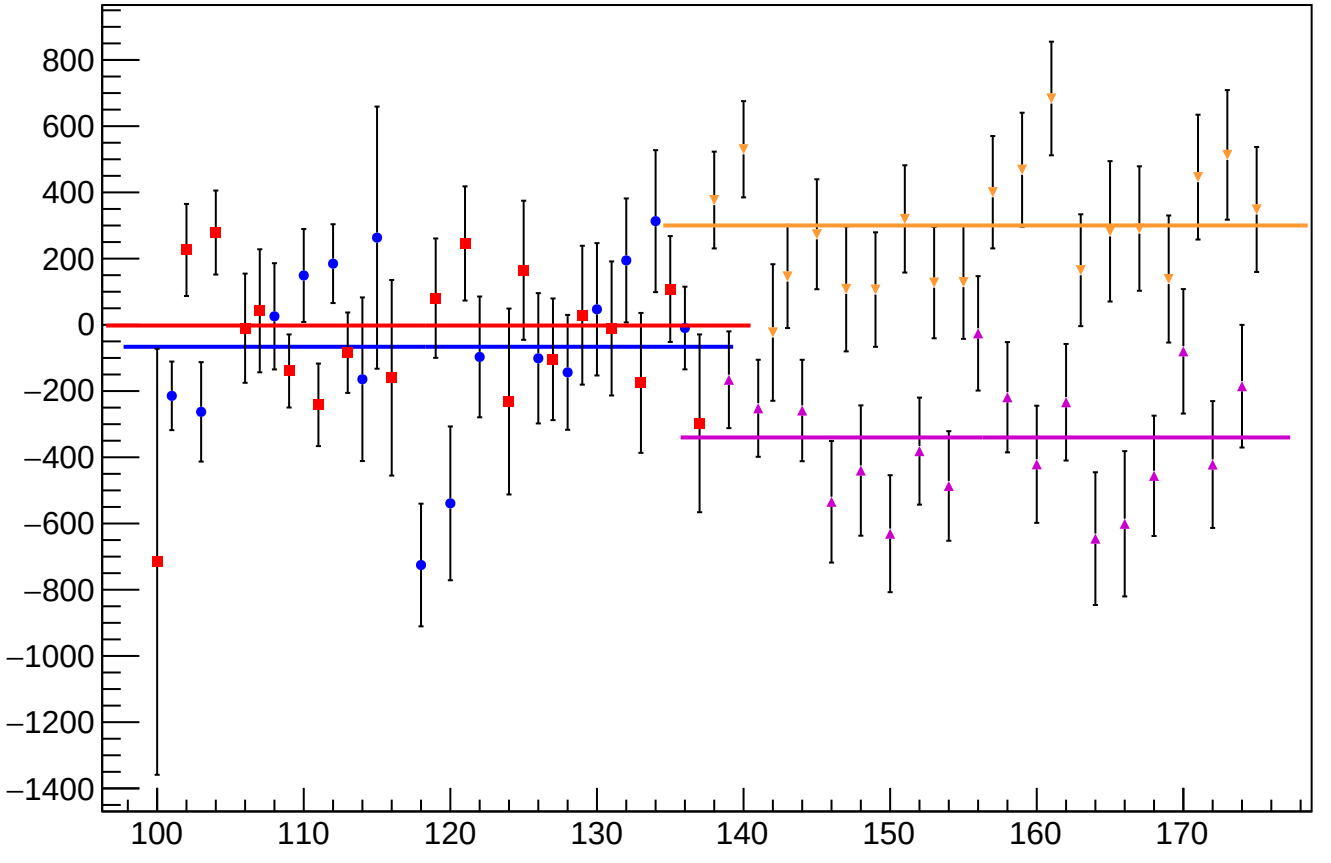
Left In: 1025.061+/-0.190 χ^2/NDF:546501.3/17

+ sign 748.836+/-0.121 χ^2/NDF: 7976407.0/35

All: 754.428+/-0.087 χ^2/NDF: 15024764.7/72

- sign 760.281+/-0.124 χ^2/NDF: 7044017.4/36

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 300.119+/-38.875 χ^2/NDF:20.1/19

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

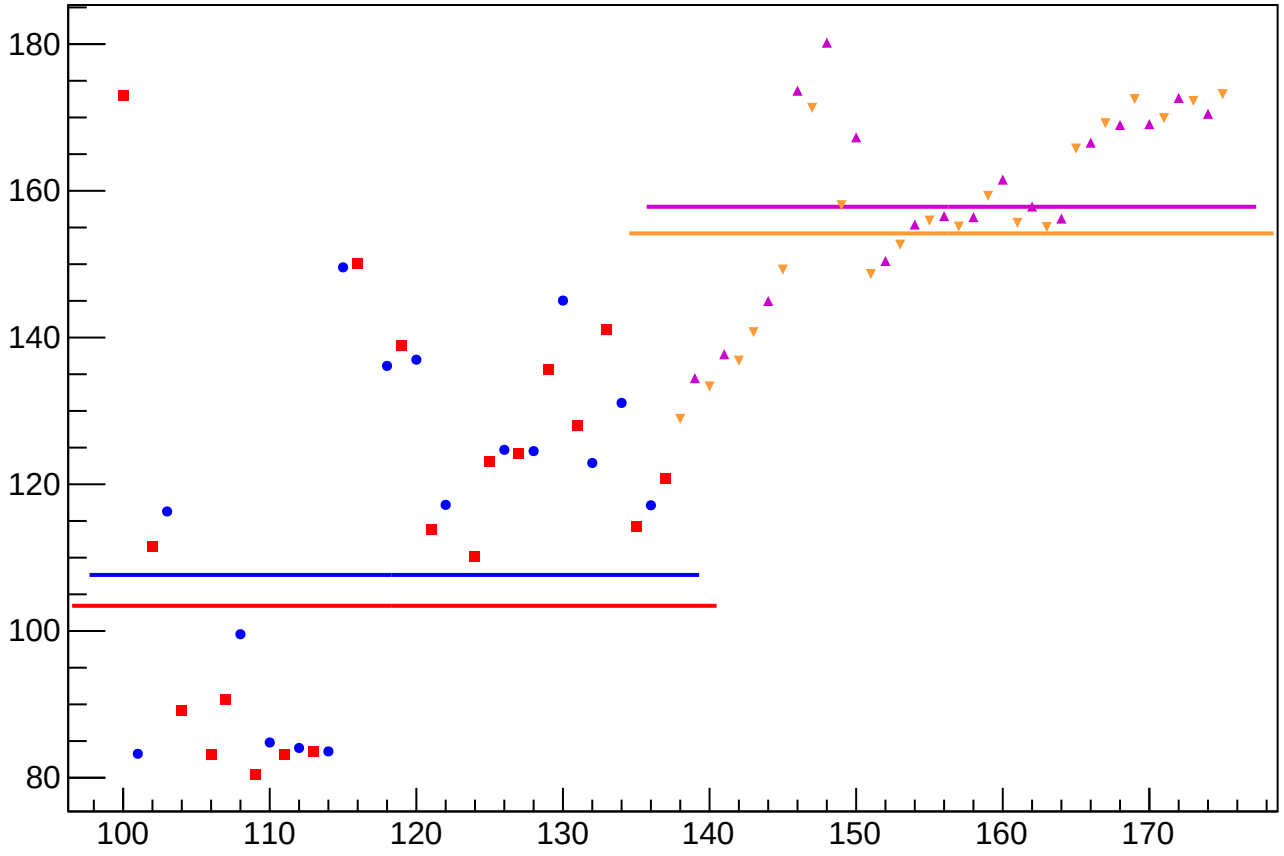
Left In: -340.087+/-41.075 χ^2/NDF:18.4/17

+ sign 126.392+/-28.190 χ^2/NDF: 96.6/35

All: -17.476+/-19.957 χ^2/NDF: 224.0/72

- sign -162.045+/-28.258 χ^2/NDF: 75.2/36

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 154.195+/-0.027 χ^2/NDF:242101.0/19

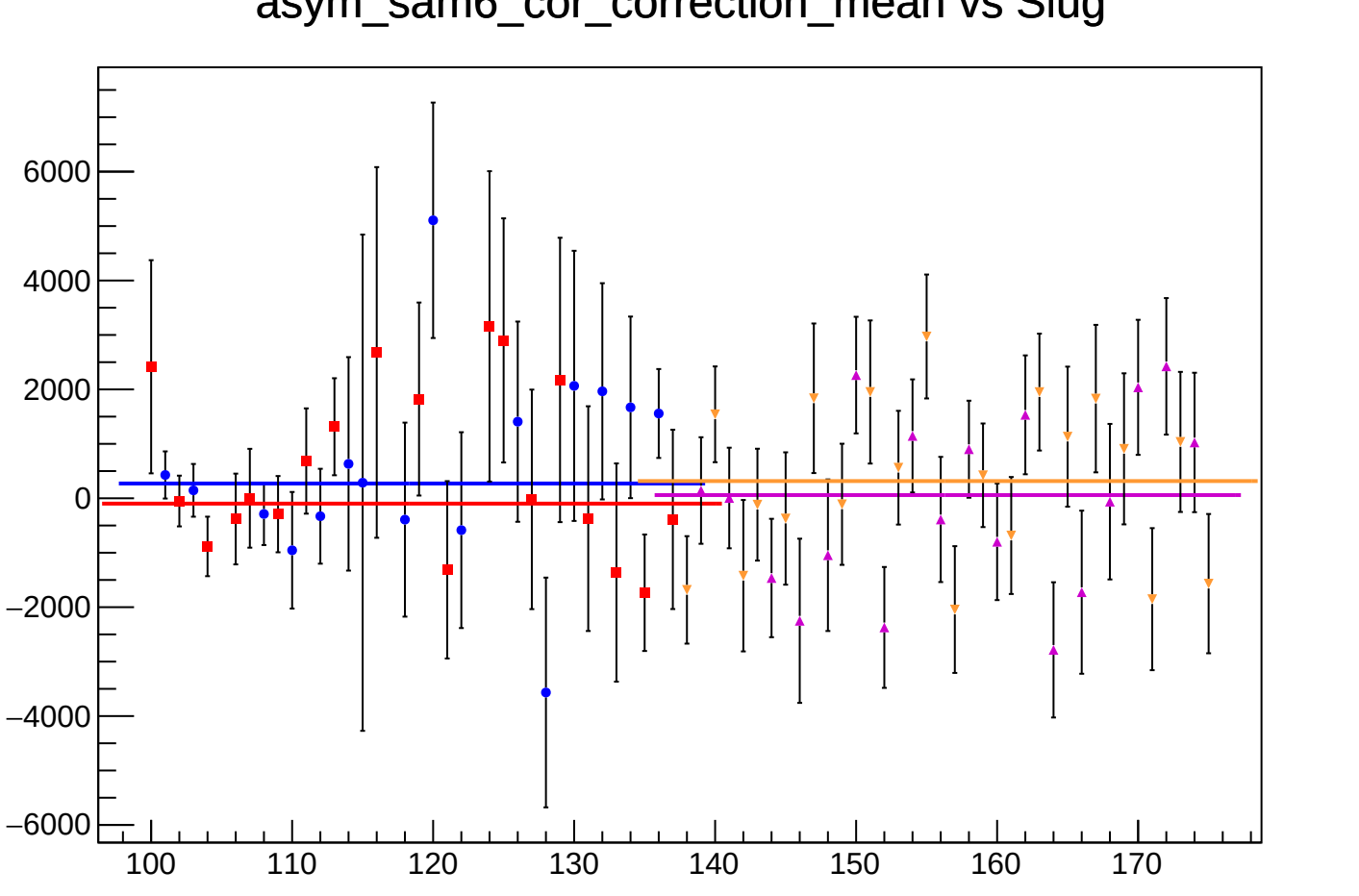
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 157.827+/-0.029 χ^2/NDF:194282.8/17

+ sign 132.122+/-0.020 χ^2/NDF: 2134778.8/35

All: 130.654+/-0.014 χ^2/NDF: 4811663.8/72

- sign 129.179+/-0.020 χ^2/NDF: 2666016.7/36



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 316.485+/-257.218 χ^2/NDF:30.9/19

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

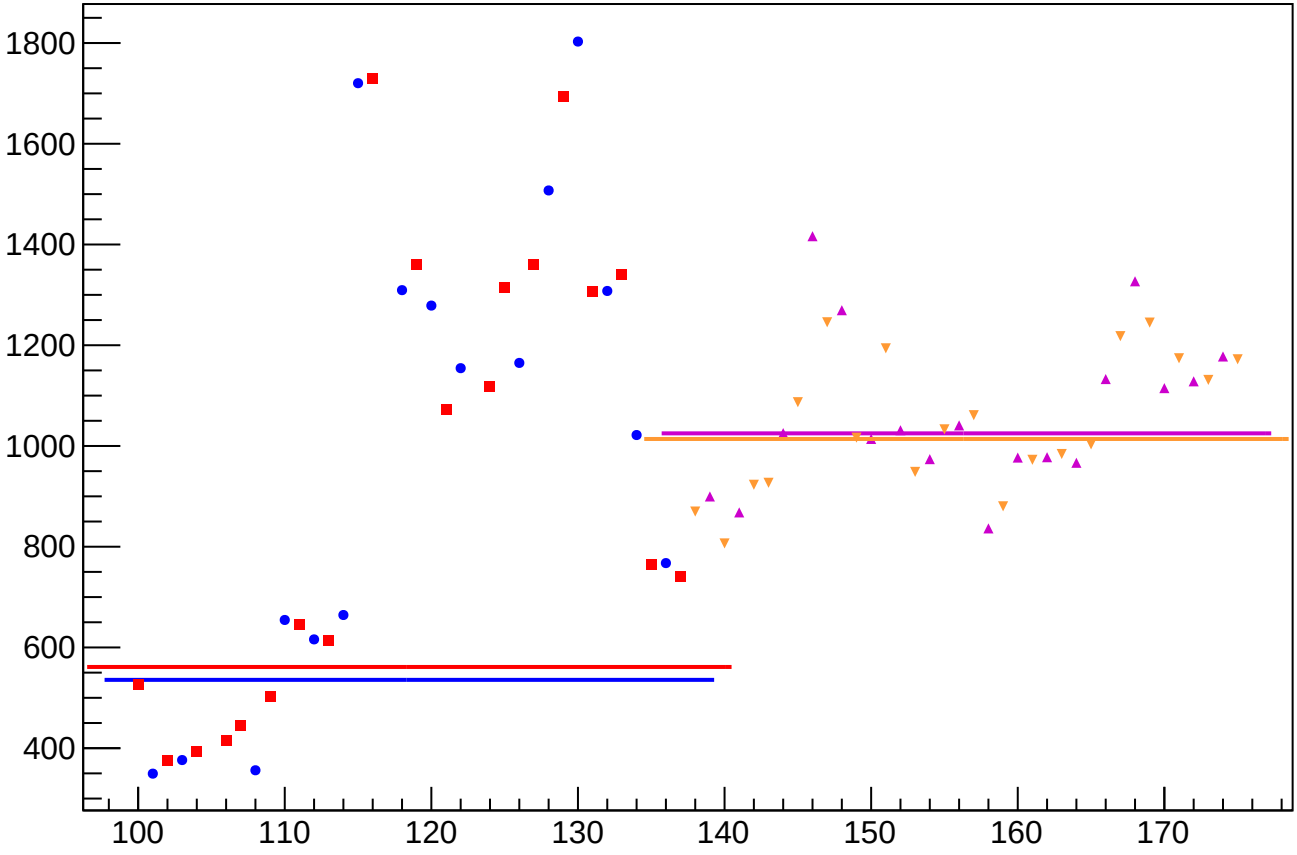
Left In: 59.076+/-268.847 χ^2/NDF:31.9/17

+ sign 291.631+/-171.724 χ^2/NDF: 47.4/35

All: 134.455+/-122.905 χ^2/NDF: 97.4/72

- sign -30.610+/-175.981 χ^2/NDF: 48.3/36

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1013.895+/-0.182 χ^2/NDF:512358.1/19

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

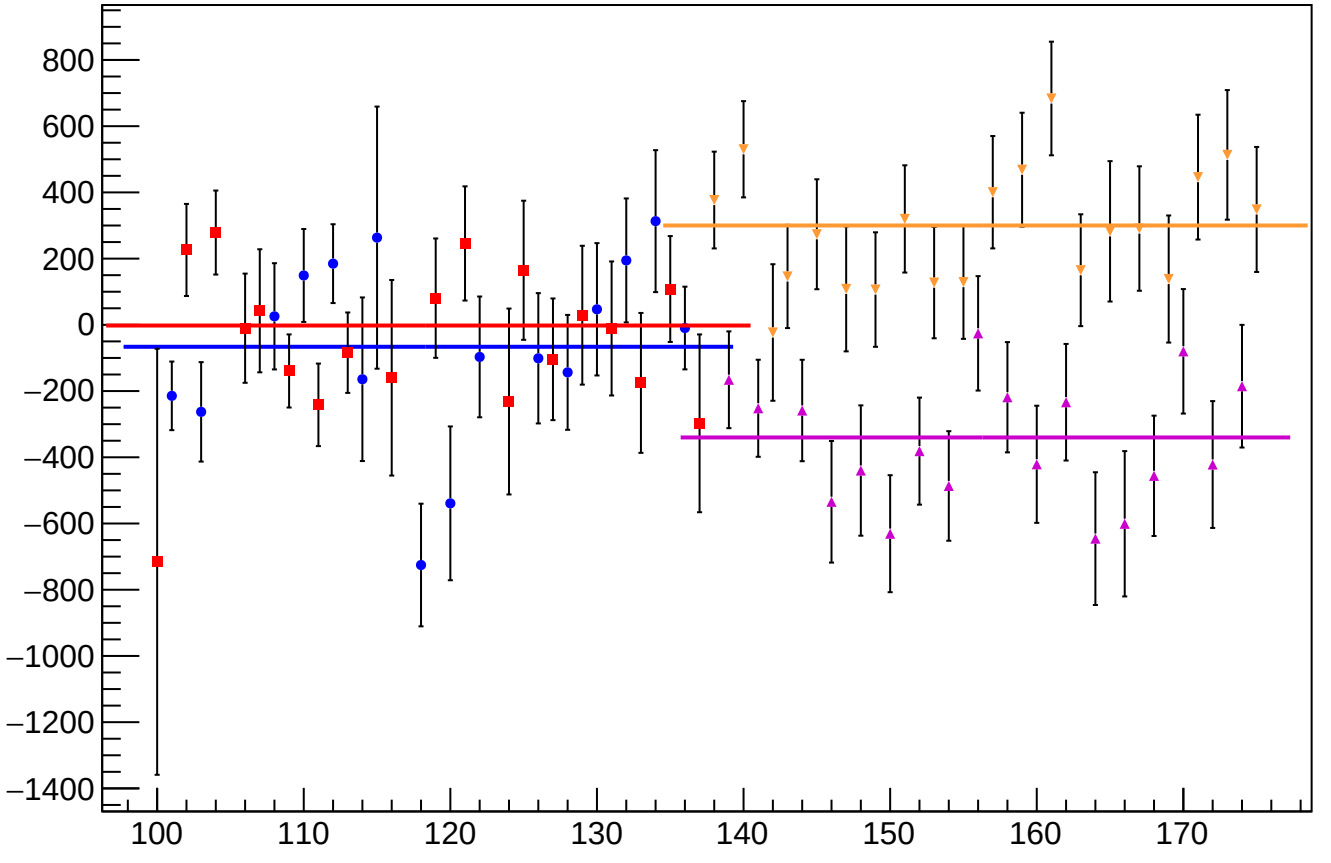
Left In: 1025.061+/-0.190 χ^2/NDF:546499.5/17

+ sign 748.817+/-0.121 χ^2/NDF: 7977064.3/35

All: 754.267+/-0.087 χ^2/NDF: 15060210.0/72

- sign 759.991+/-0.124 χ^2/NDF: 7079015.0/36

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 300.119+/-38.875 χ^2/NDF:20.1/19

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

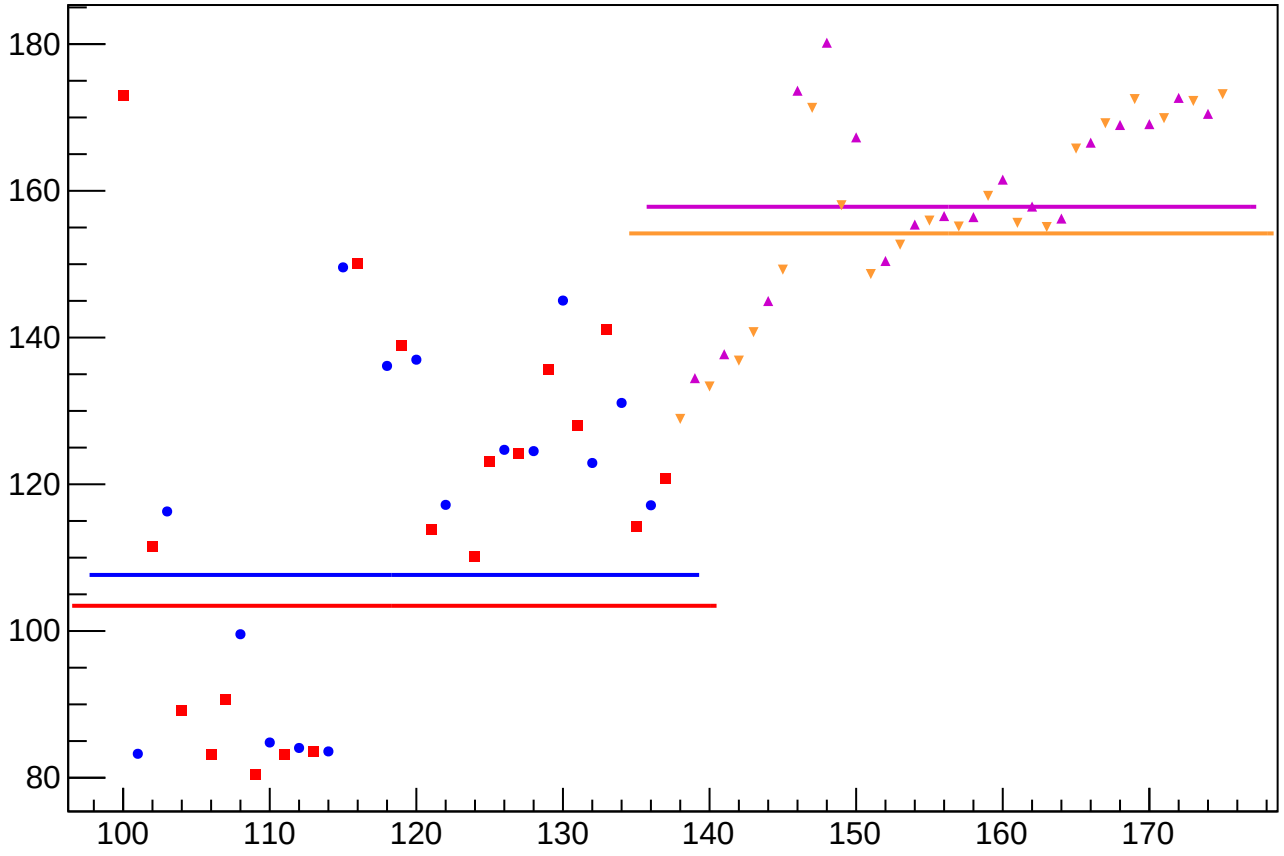
Left In: -340.087+/-41.075 χ^2/NDF:18.4/17

+ sign 126.392+/-28.190 χ^2/NDF: 96.6/35

All: -17.476+/-19.957 χ^2/NDF: 224.0/72

- sign -162.045+/-28.258 χ^2/NDF: 75.2/36

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 154.195+/-0.027 χ^2/NDF:242101.0/19

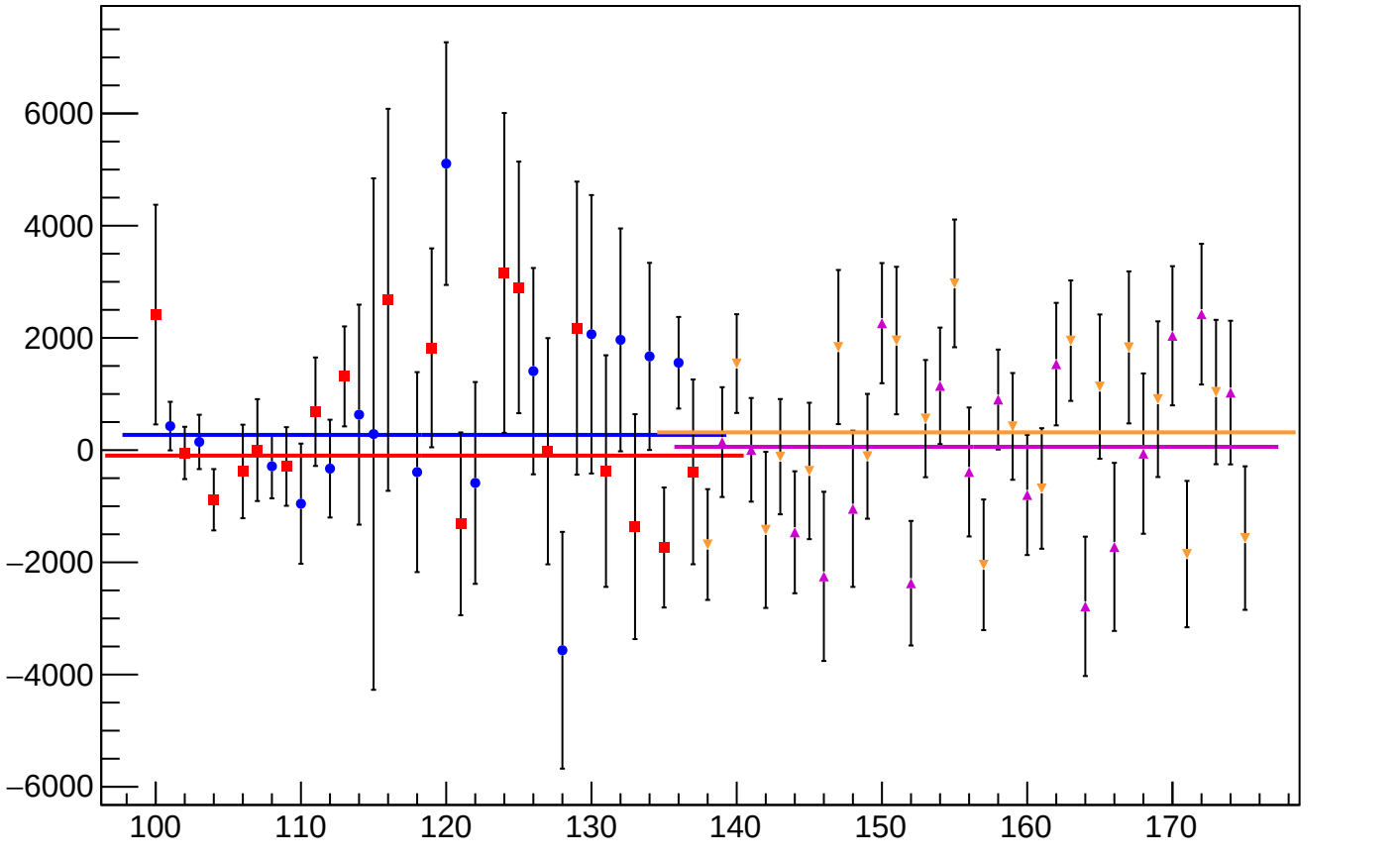
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 157.827+/-0.029 χ^2/NDF:194282.8/17

+ sign 132.122+/-0.020 χ^2/NDF: 2134778.8/35

All: 130.654+/-0.014 χ^2/NDF: 4811663.8/72

- sign 129.179+/-0.020 χ^2/NDF: 2666016.7/36



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 316.485+/-257.218 χ^2/NDF:30.9/19

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

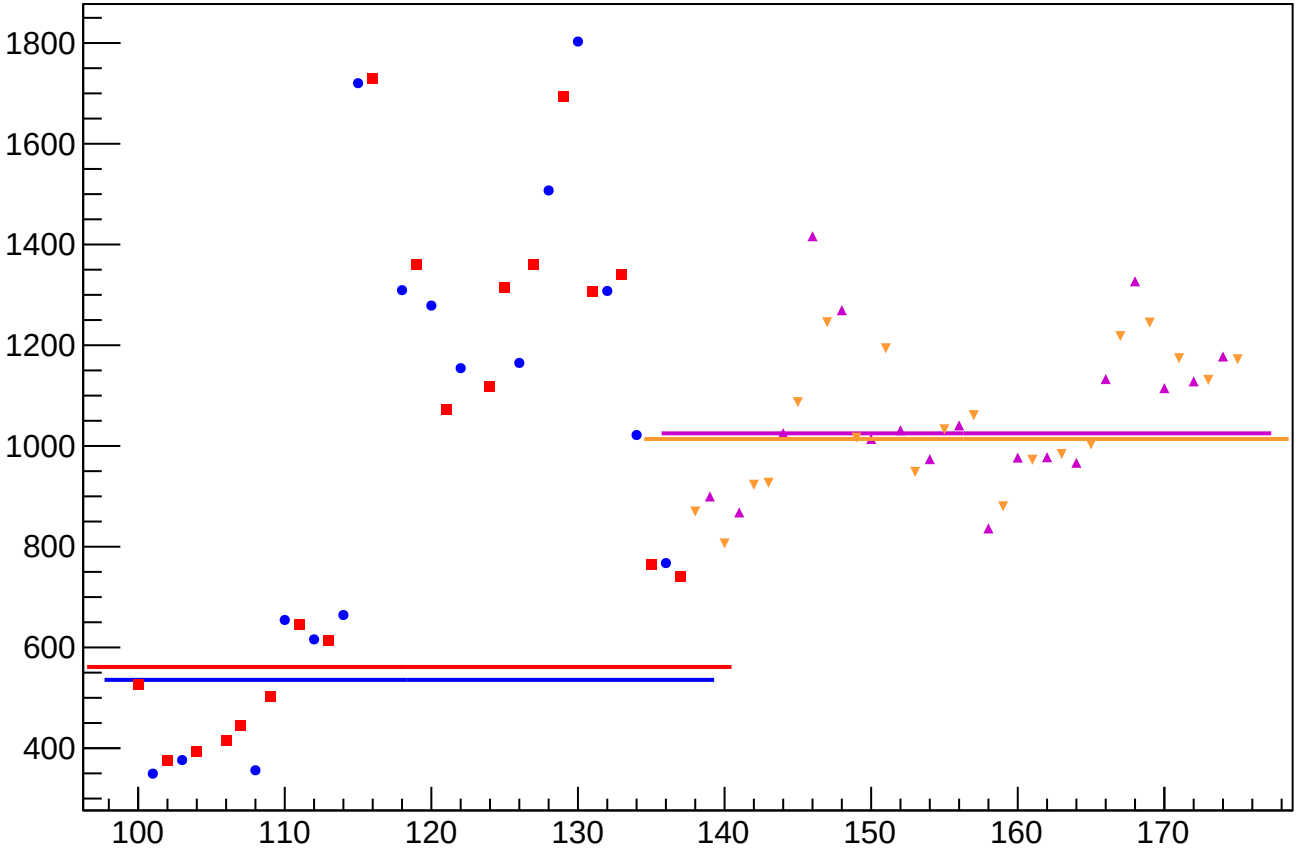
Left In: 59.076+/-268.847 χ^2/NDF:31.9/17

+ sign 291.631+/-171.724 χ^2/NDF: 47.4/35

All: 134.455+/-122.905 χ^2/NDF: 97.4/72

- sign -30.610+/-175.981 χ^2/NDF: 48.3/36

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1013.895+/-0.182 χ^2/NDF:512358.1/19

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

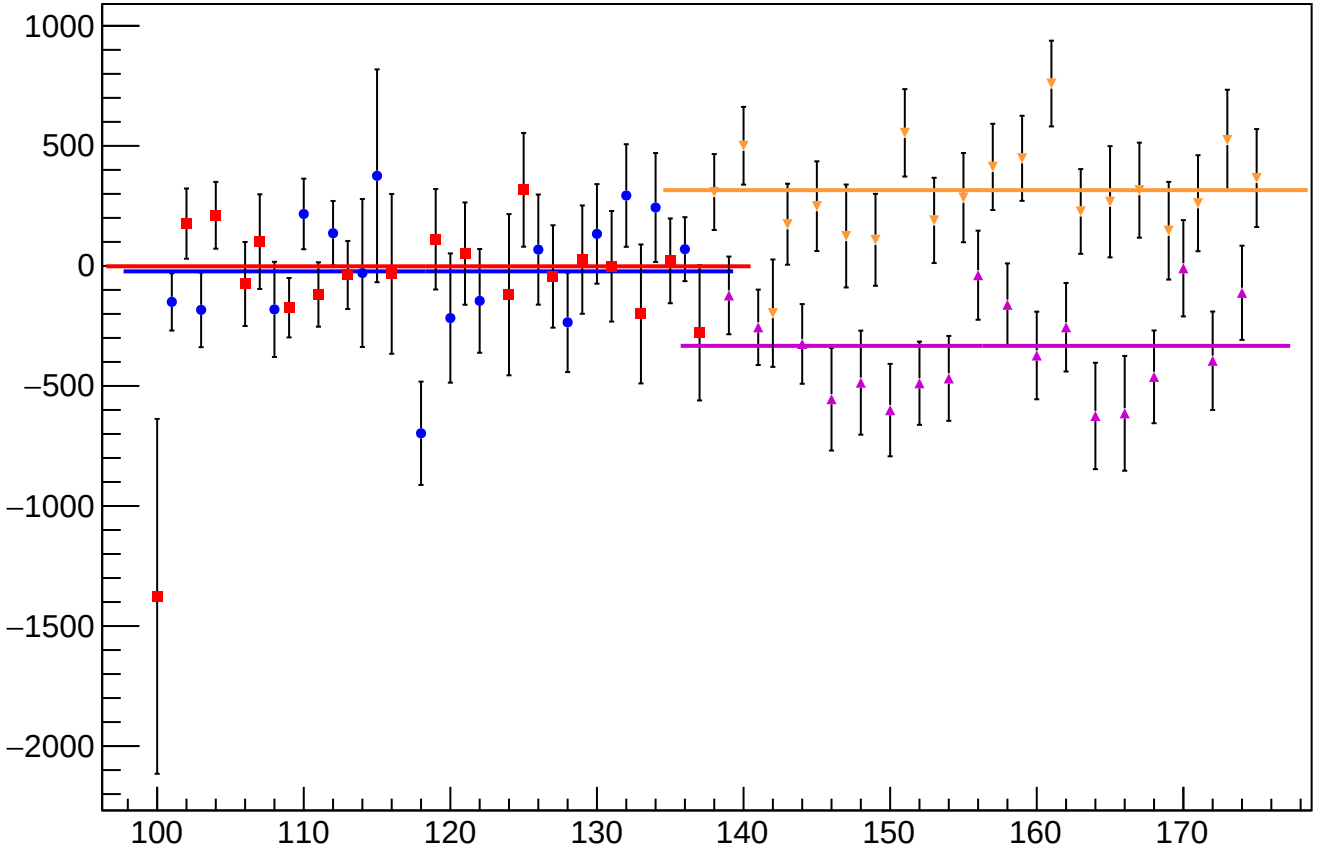
Left In: 1025.061+/-0.190 χ^2/NDF:546499.5/17

+ sign 748.817+/-0.121 χ^2/NDF: 7977064.3/35

All: 754.267+/-0.087 χ^2/NDF: 15060210.0/72

- sign 759.991+/-0.124 χ^2/NDF: 7079015.0/36

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 315.641+/-41.952 χ^2/NDF:20.7/19

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

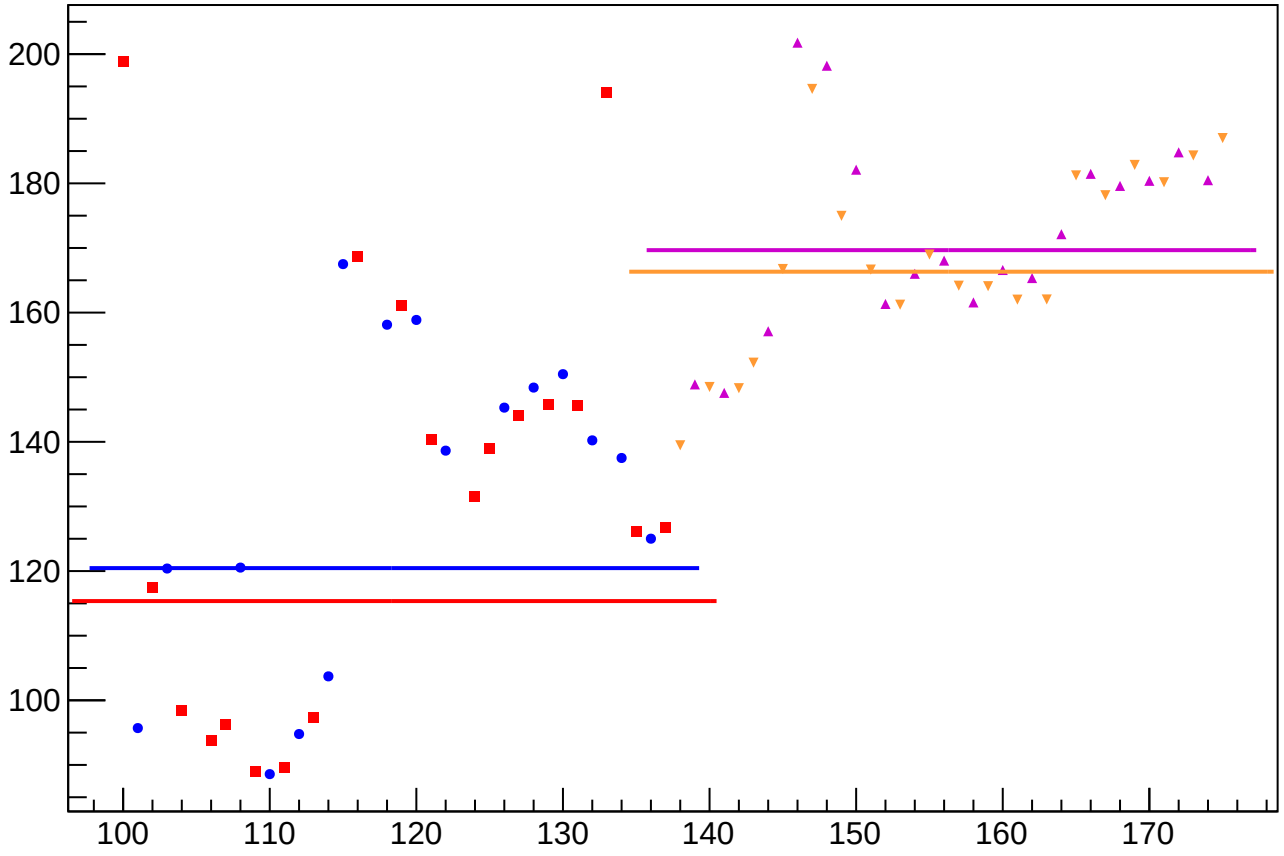
Left In: -333.003+/-44.193 χ^2/NDF:18.1/17

+ sign 161.686+/-30.969 χ^2/NDF: 74.5/35

All: -1.327+/-21.918 χ^2/NDF: 190.9/72

- sign -164.922+/-31.024 χ^2/NDF: 60.9/36

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 166.330+/-0.030 χ^2/NDF:226360.9/19

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

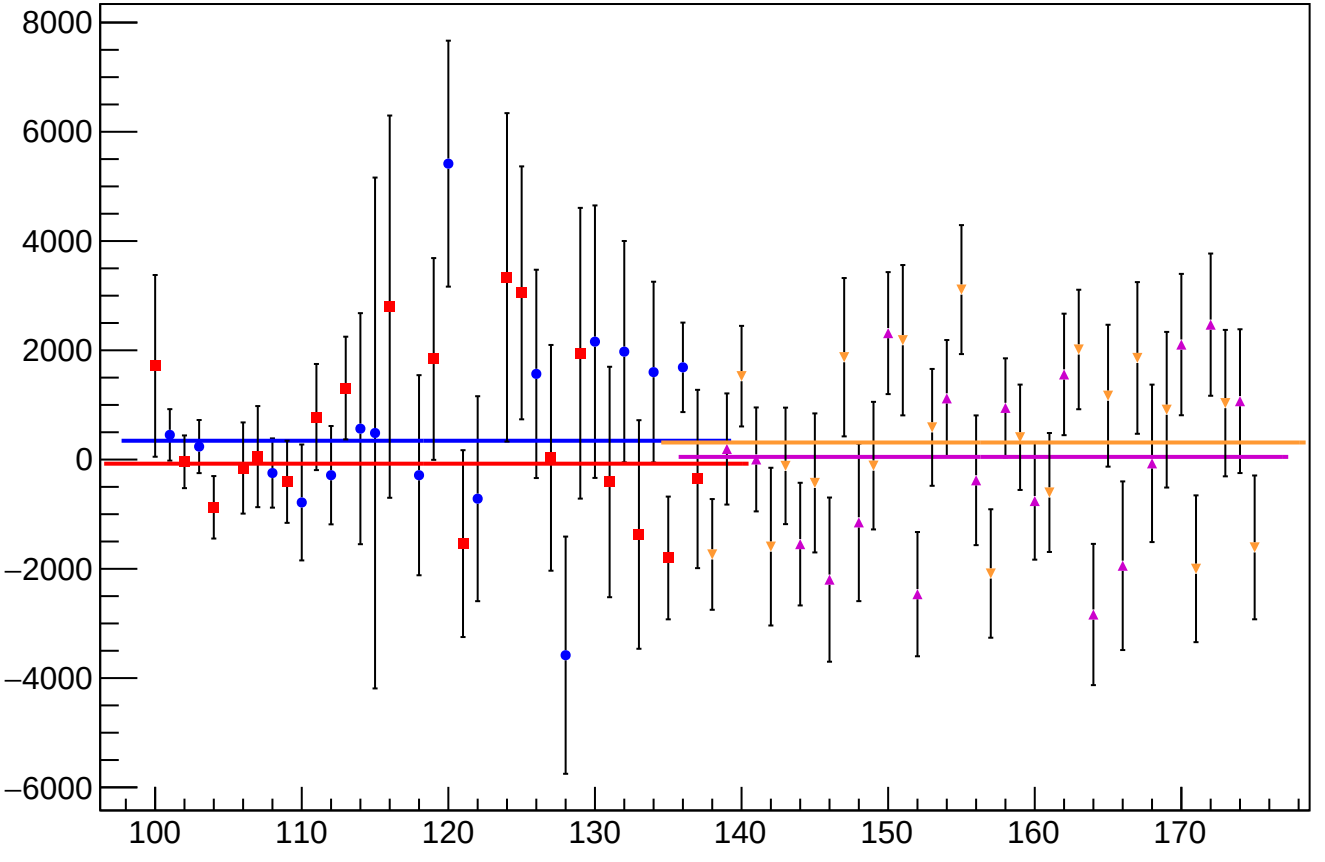
Left In: 169.664+/-0.031 χ^2/NDF:216889.4/17

+ sign 145.455+/-0.022 χ^2/NDF: 1844814.1/35

All: 143.791+/-0.015 χ^2/NDF: 4372274.5/72

- sign 142.120+/-0.022 χ^2/NDF: 2515884.7/36

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 312.410+/-265.087 χ^2/NDF:31.4/19

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

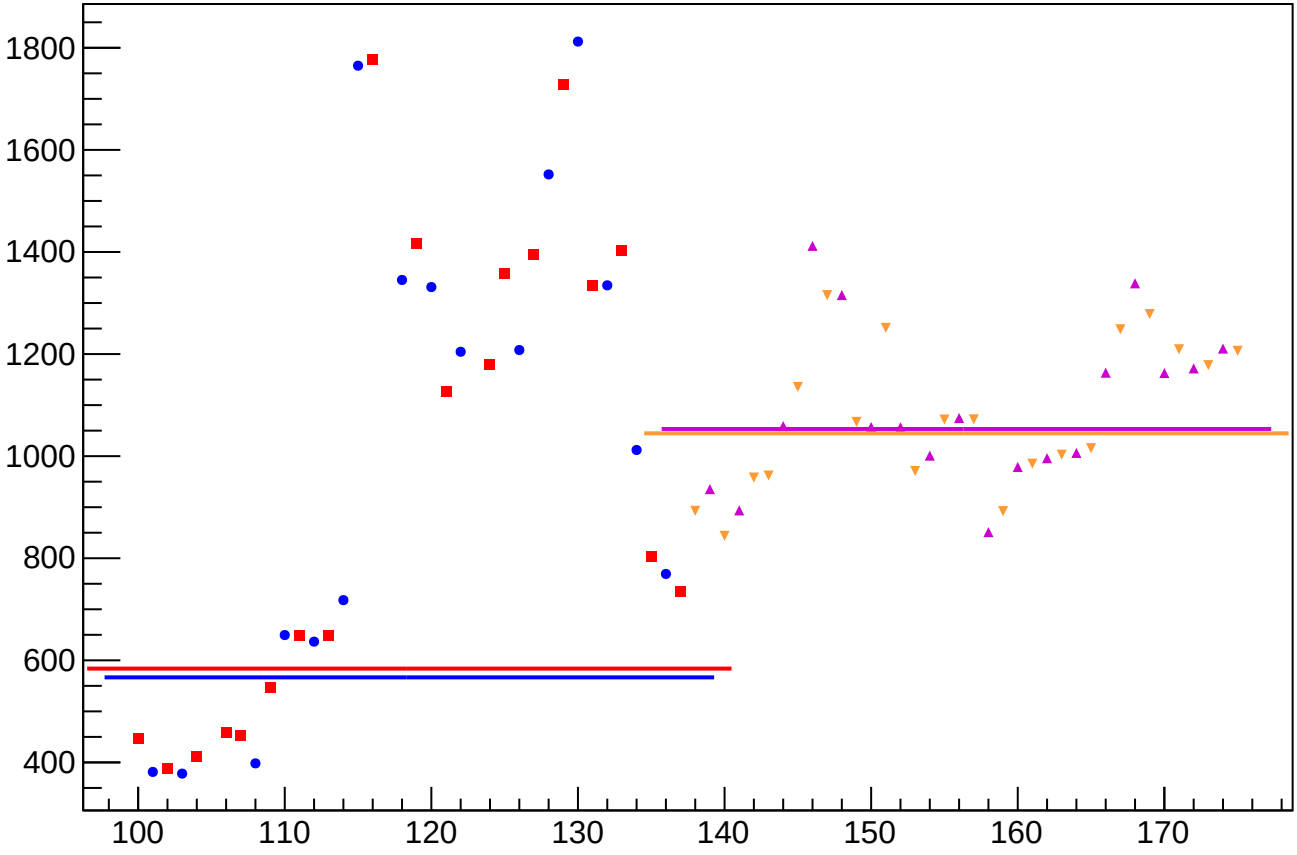
Left In: 48.815+/-276.212 χ^2/NDF:31.7/17

+ sign 329.909+/-178.537 χ^2/NDF: 47.7/35

All: 156.794+/-127.235 χ^2/NDF: 96.7/72

- sign -21.861+/-181.371 χ^2/NDF: 47.1/36

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1044.690+/-0.187 χ^2/NDF:533655.5/19

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

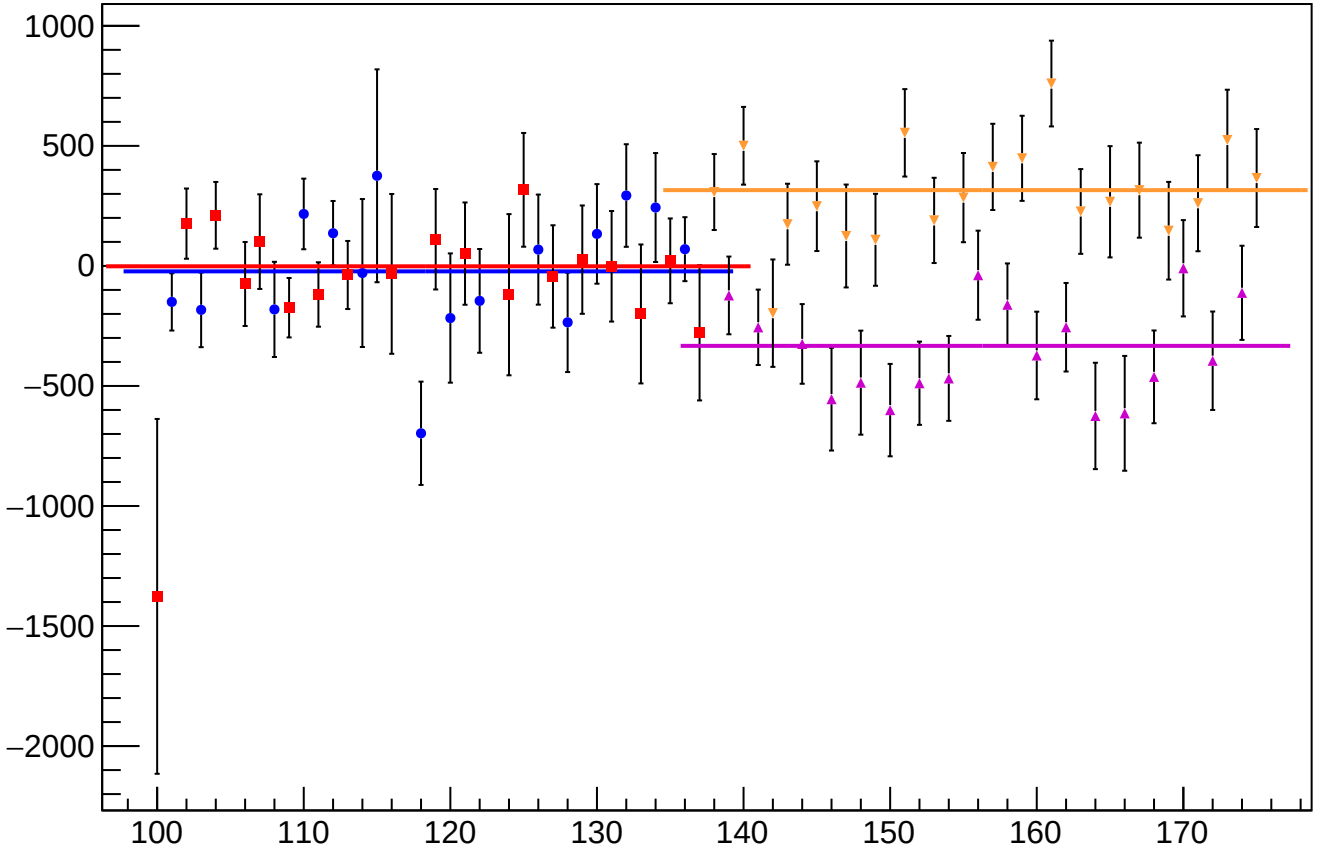
Left In: 1053.273+/-0.195 χ^2/NDF:533859.8/17

+ sign 783.466+/-0.126 χ^2/NDF: 7520544.0/35

All: 784.821+/-0.090 χ^2/NDF: 14448839.0/72

- sign 786.221+/-0.128 χ^2/NDF: 6928060.7/36

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 315.642+/-41.952 χ^2/NDF:20.7/19

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

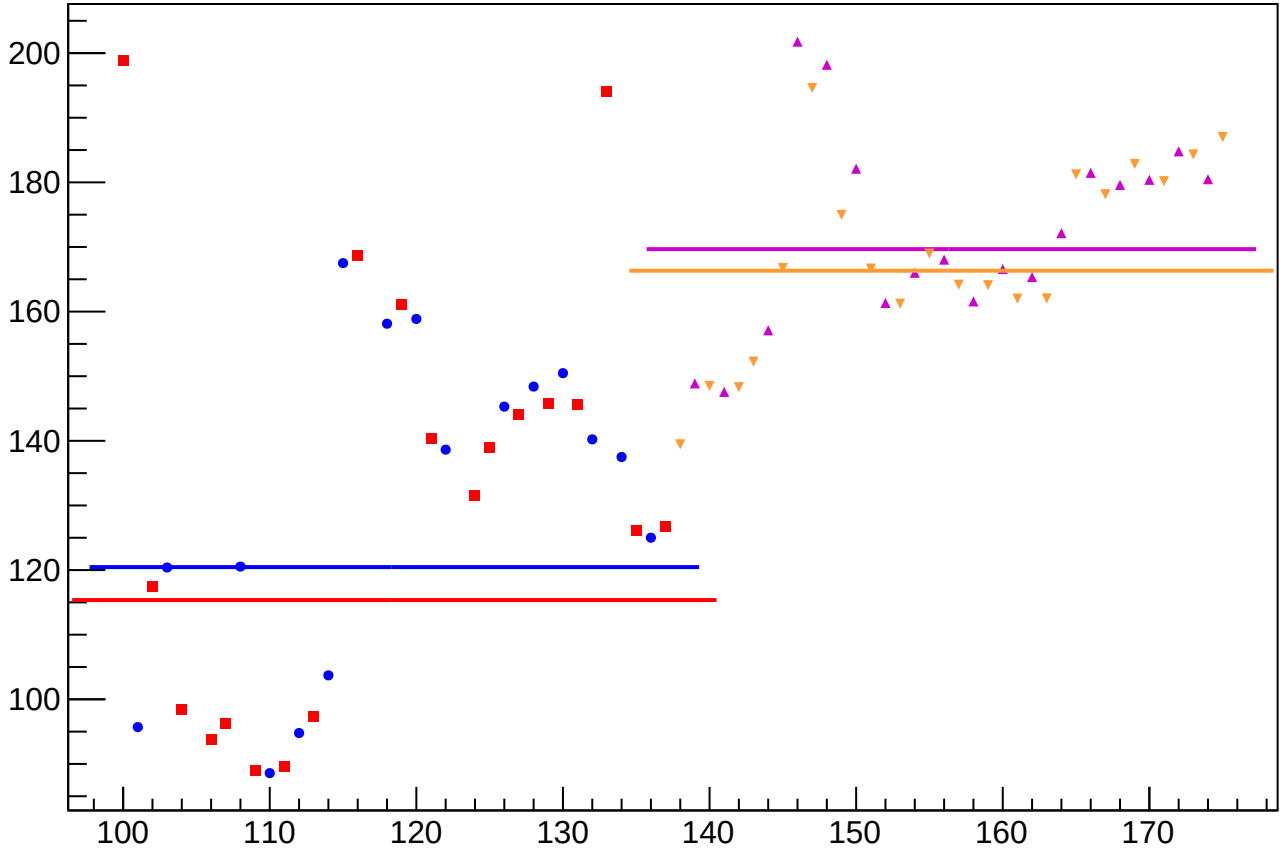
Left In: -333.004+/-44.193 χ^2/NDF:18.1/17

+ sign 161.686+/-30.969 χ^2/NDF: 74.5/35

All: -1.328+/-21.918 χ^2/NDF: 190.9/72

- sign -164.923+/-31.024 χ^2/NDF: 60.9/36

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 166.329+/-0.030 χ^2/NDF:226360.8/19

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

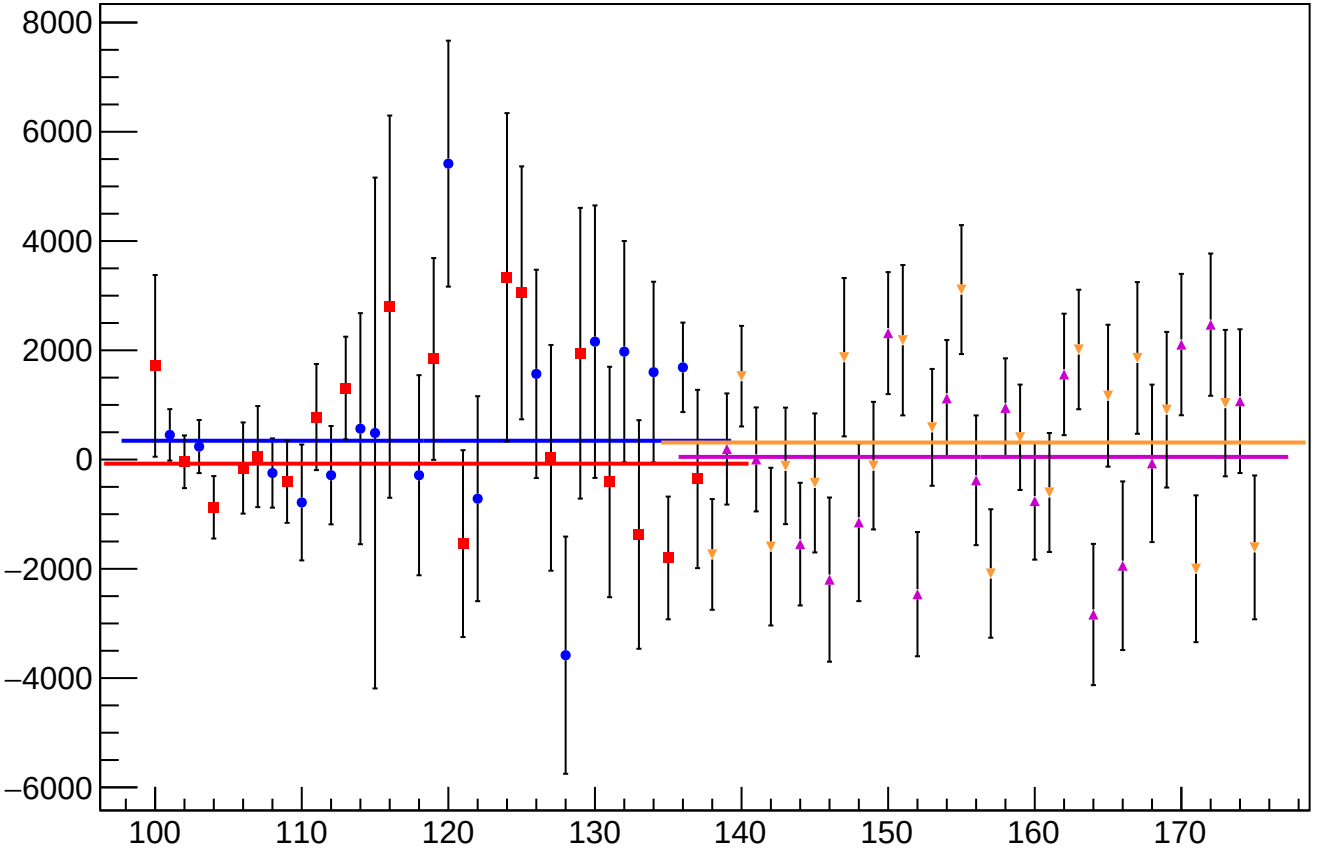
Left In: 169.663+/-0.031 χ^2/NDF:216889.4/17

+ sign 145.455+/-0.022 χ^2/NDF: 1844824.0/35

All: 143.791+/-0.015 χ^2/NDF: 4372287.4/72

- sign 142.120+/-0.022 χ^2/NDF: 2515887.9/36

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 312.411+/-265.087 χ^2/NDF:31.4/19

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

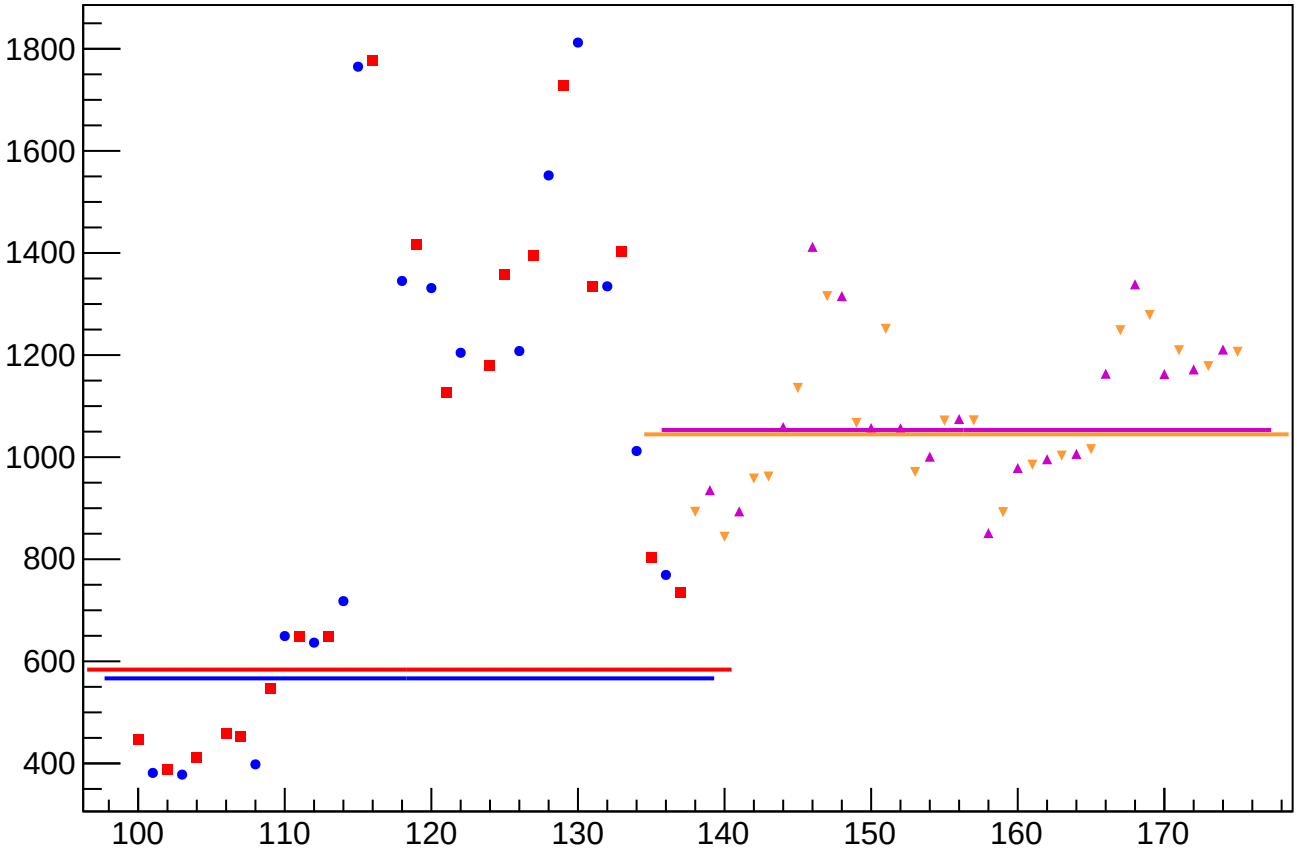
Left In: 48.815+/-276.212 χ^2/NDF:31.7/17

+ sign 329.909+/-178.537 χ^2/NDF: 47.7/35

All: 156.794+/-127.235 χ^2/NDF: 96.7/72

- sign -21.862+/-181.371 χ^2/NDF: 47.1/36

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1044.690+/-0.187 χ^2/NDF:533659.2/19

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

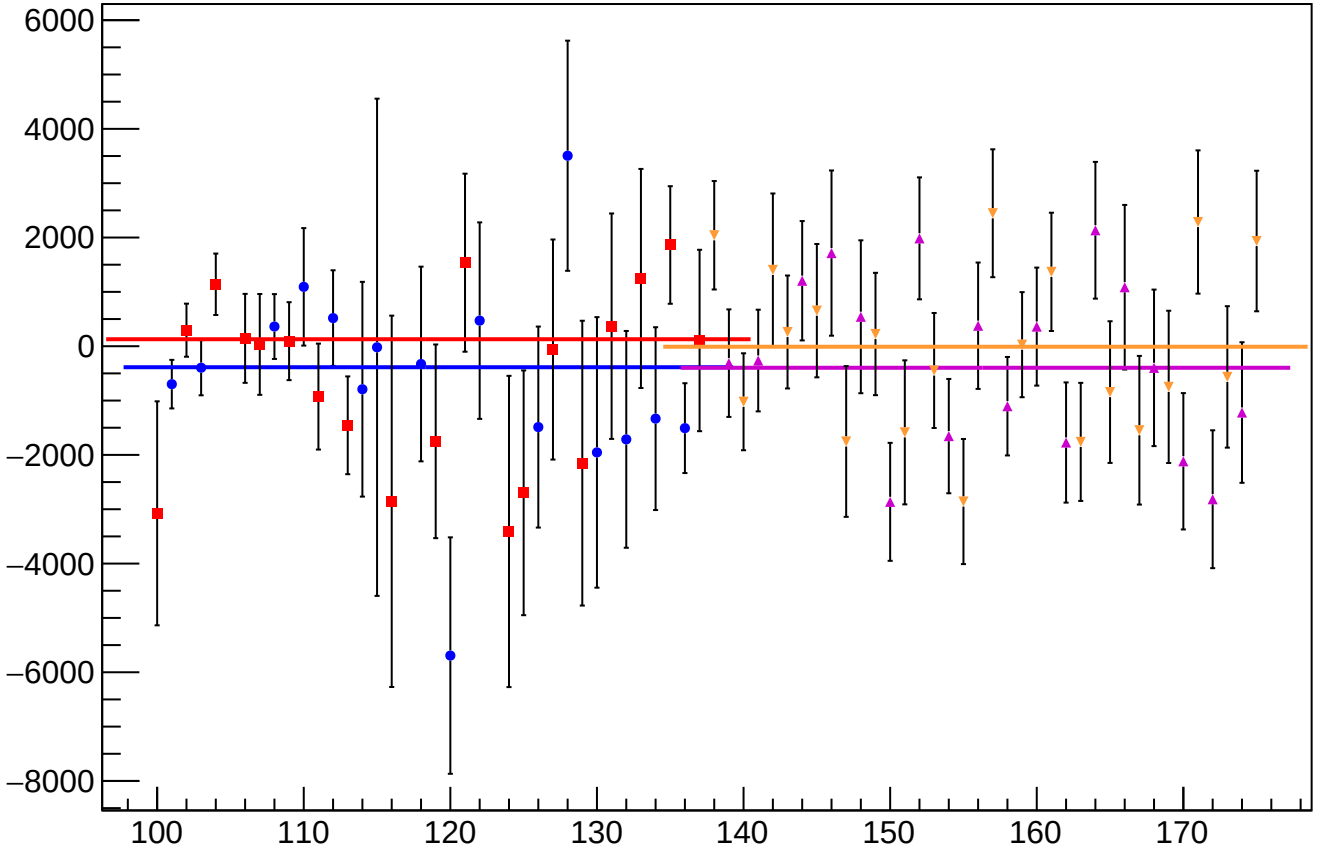
Left In: 1053.273+/-0.195 χ^2/NDF:533863.0/17

+ sign 783.465+/-0.126 χ^2/NDF: 7520567.2/35

All: 784.821+/-0.090 χ^2/NDF: 14448872.5/72

- sign 786.220+/-0.128 χ^2/NDF: 6928070.9/36

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -9.578+/-260.261 χ^2/NDF:32.2/19

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

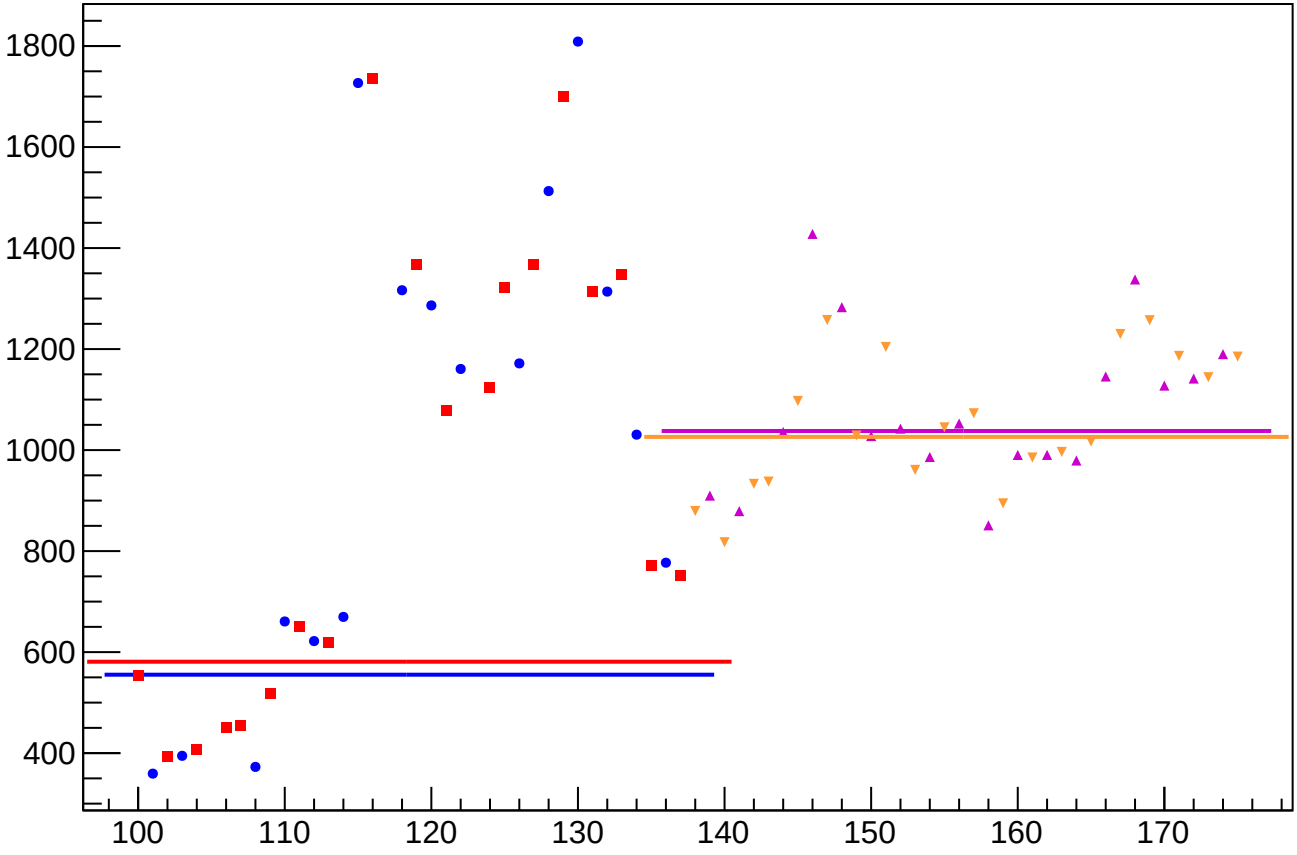
Left In: -396.618+/-272.115 χ^2/NDF:29.6/17

+ sign -215.231+/-175.444 χ^2/NDF: 51.3/35

All: -158.515+/-125.381 χ^2/NDF: 102.6/72

- sign -99.311+/-179.249 χ^2/NDF: 51.1/36

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1026.141+/-0.184 χ^2/NDF:502183.4/19

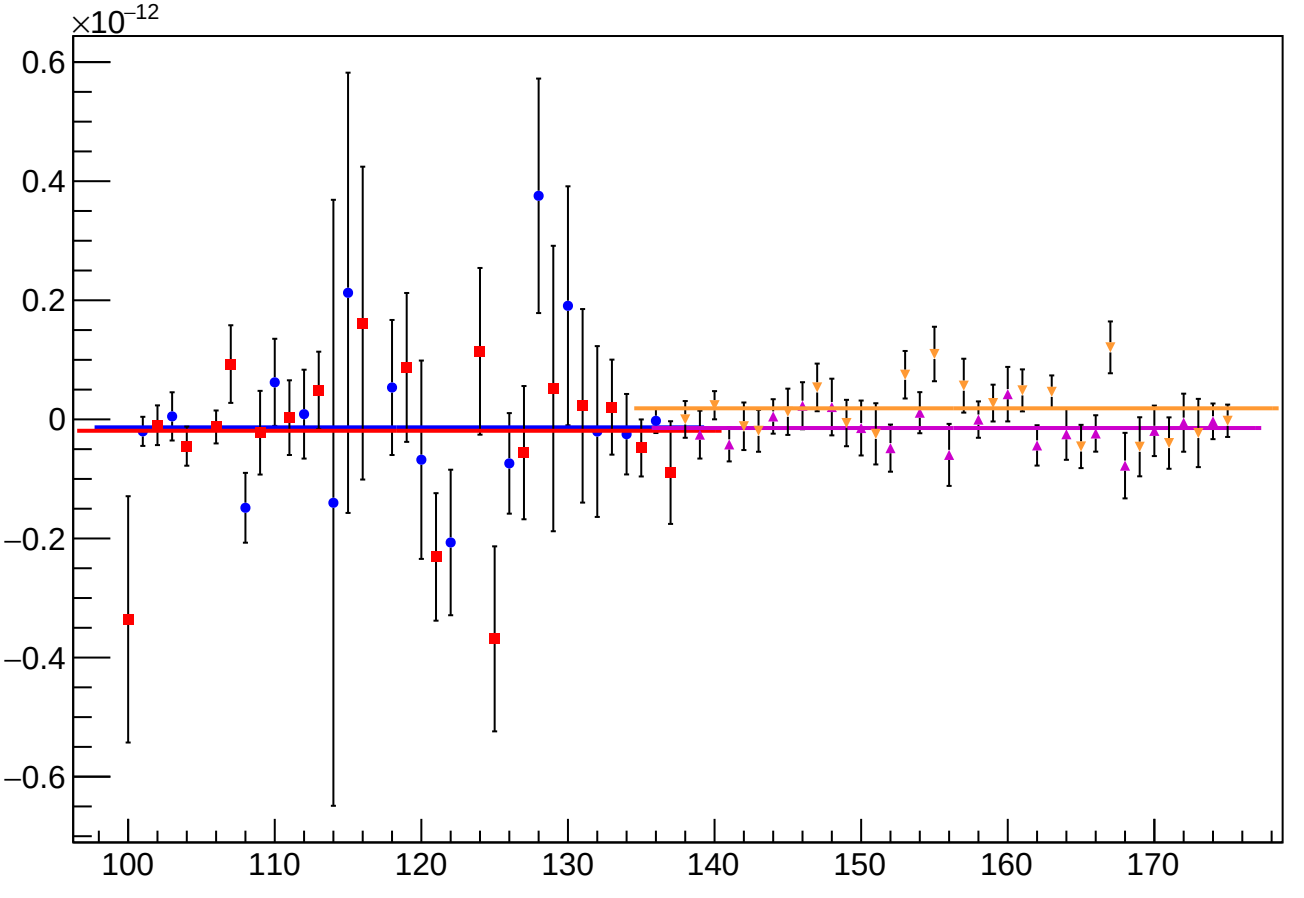
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

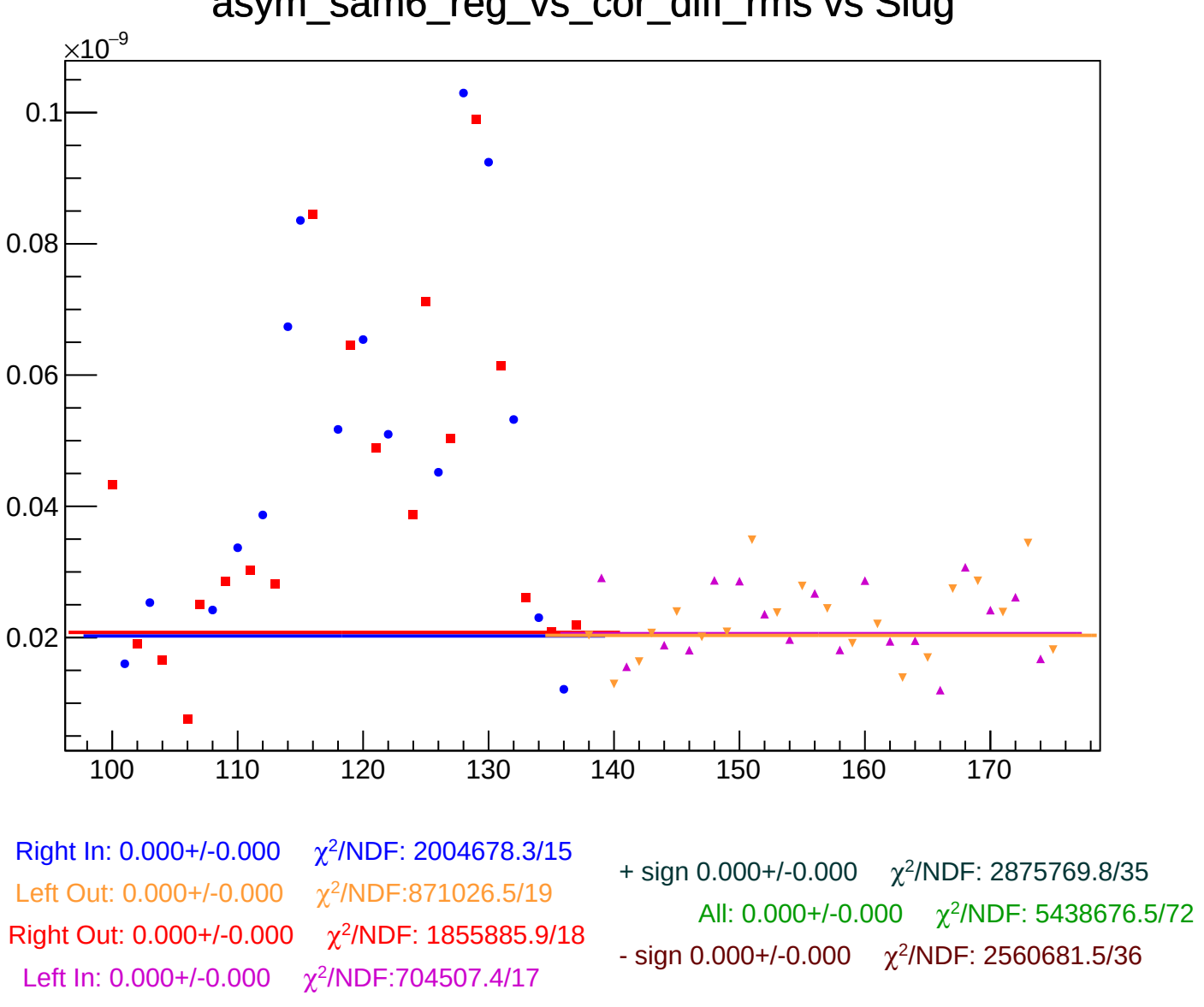
Left In: 1037.825+/-0.192 χ^2/NDF:533981.0/17

+ sign 769.255+/-0.124 χ^2/NDF: 7556069.9/35

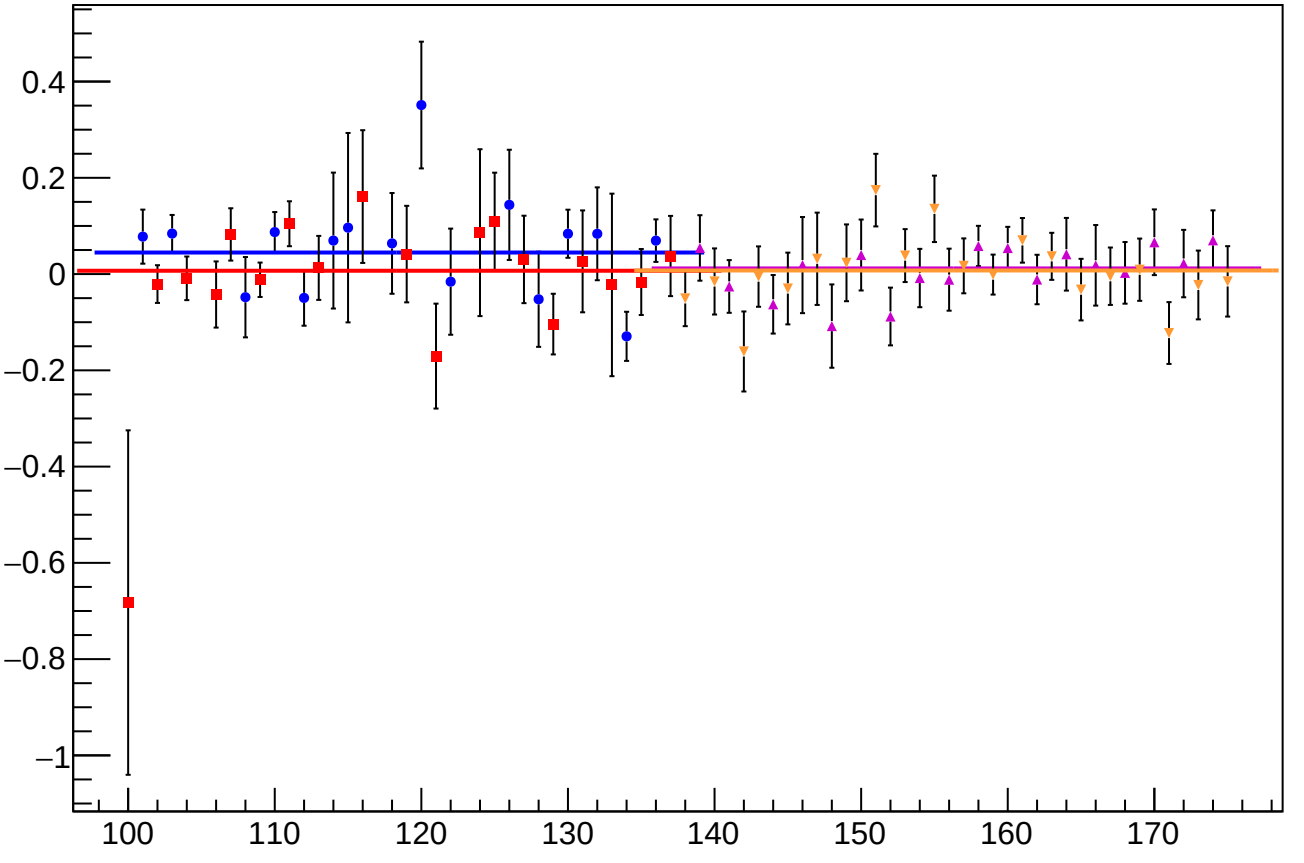
All: 774.132+/-0.089 χ^2/NDF: 14267665.6/72

- sign 779.222+/-0.127 χ^2/NDF: 6708437.6/36


asym_sam6_reg_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: 15.9/15
Left Out: 0.000+/-0.000 χ²/NDF:25.8/19
Right Out: -0.000+/-0.000 χ²/NDF: 19.9/18
Left In: -0.000+/-0.000 χ²/NDF:9.1/17
+ sign 0.000+/-0.000 χ²/NDF: 46.1/35
All: -0.000+/-0.000 χ²/NDF: 81.5/72
- sign -0.000+/-0.000 χ²/NDF: 29.0/36


asym_sam6_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2004678.3/15
Left Out: 0.000+/-0.000 χ²/NDF:871026.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 1855885.9/18
Left In: 0.000+/-0.000 χ²/NDF:704507.4/17
+ sign 0.000+/-0.000 χ²/NDF: 2875769.8/35
All: 0.000+/-0.000 χ²/NDF: 5438676.5/72
- sign 0.000+/-0.000 χ²/NDF: 2560681.5/36

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.3/19

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

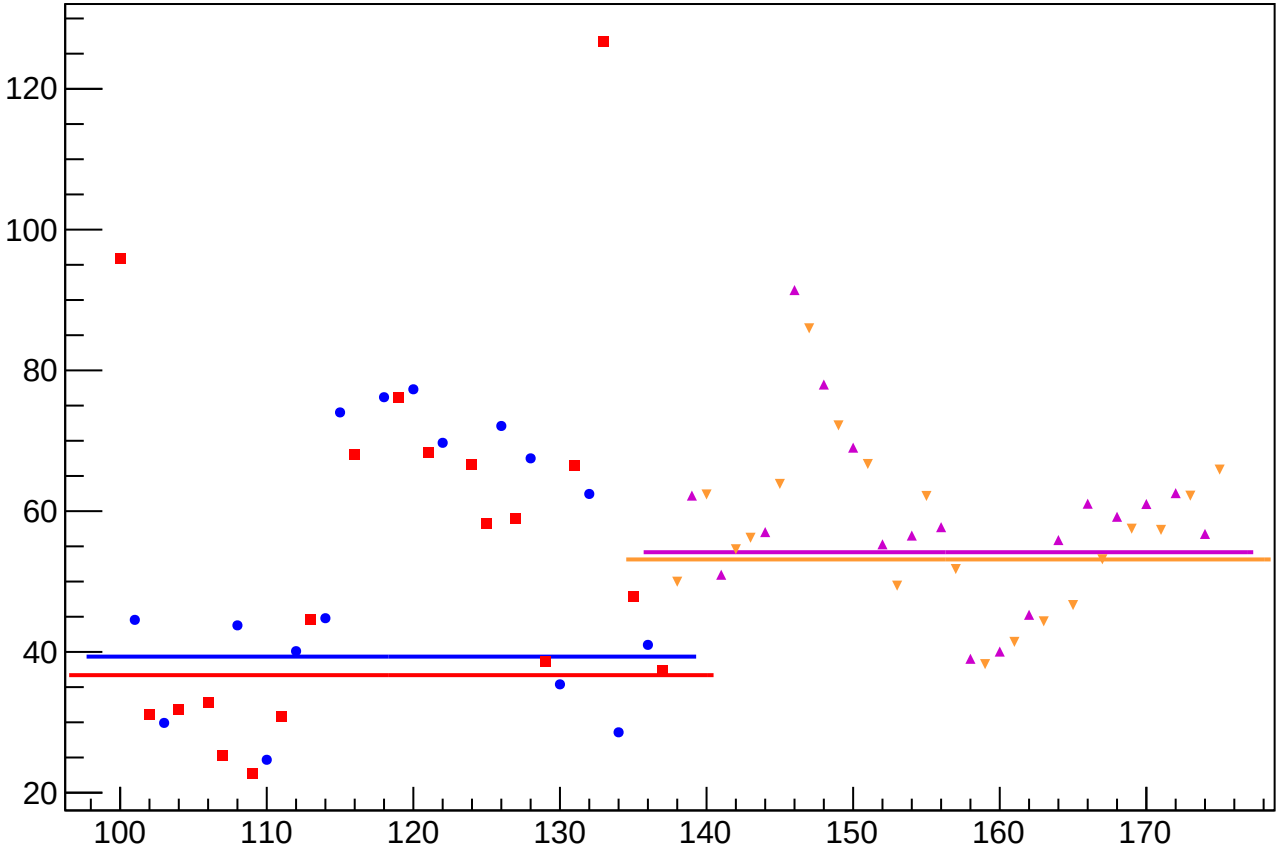
Left In: 0.012+/-0.015 χ^2/NDF:11.5/17

+ sign 0.023+/-0.010 χ^2/NDF: 51.0/35

All: 0.016+/-0.007 χ^2/NDF: 83.7/72

- sign 0.009+/-0.010 χ^2/NDF: 31.7/36

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.140+/-0.010 χ^2/NDF:1126929.4/19

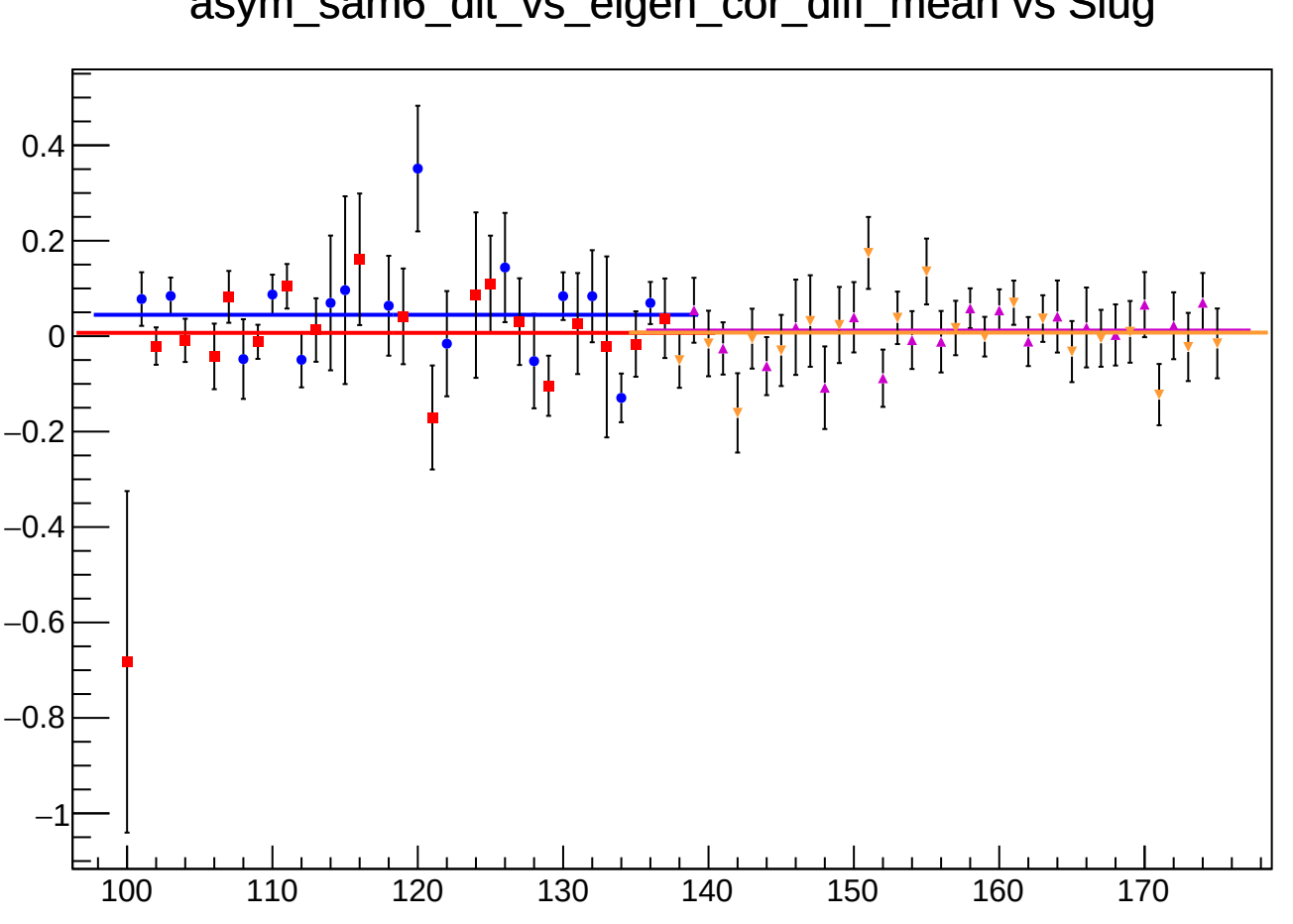
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.168+/-0.010 χ^2/NDF:1166189.4/17

+ sign 47.249+/-0.007 χ^2/NDF: 3544790.5/35

All: 46.511+/-0.005 χ^2/NDF: 8215649.0/72

- sign 45.772+/-0.007 χ^2/NDF: 4650937.4/36



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.3/19

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

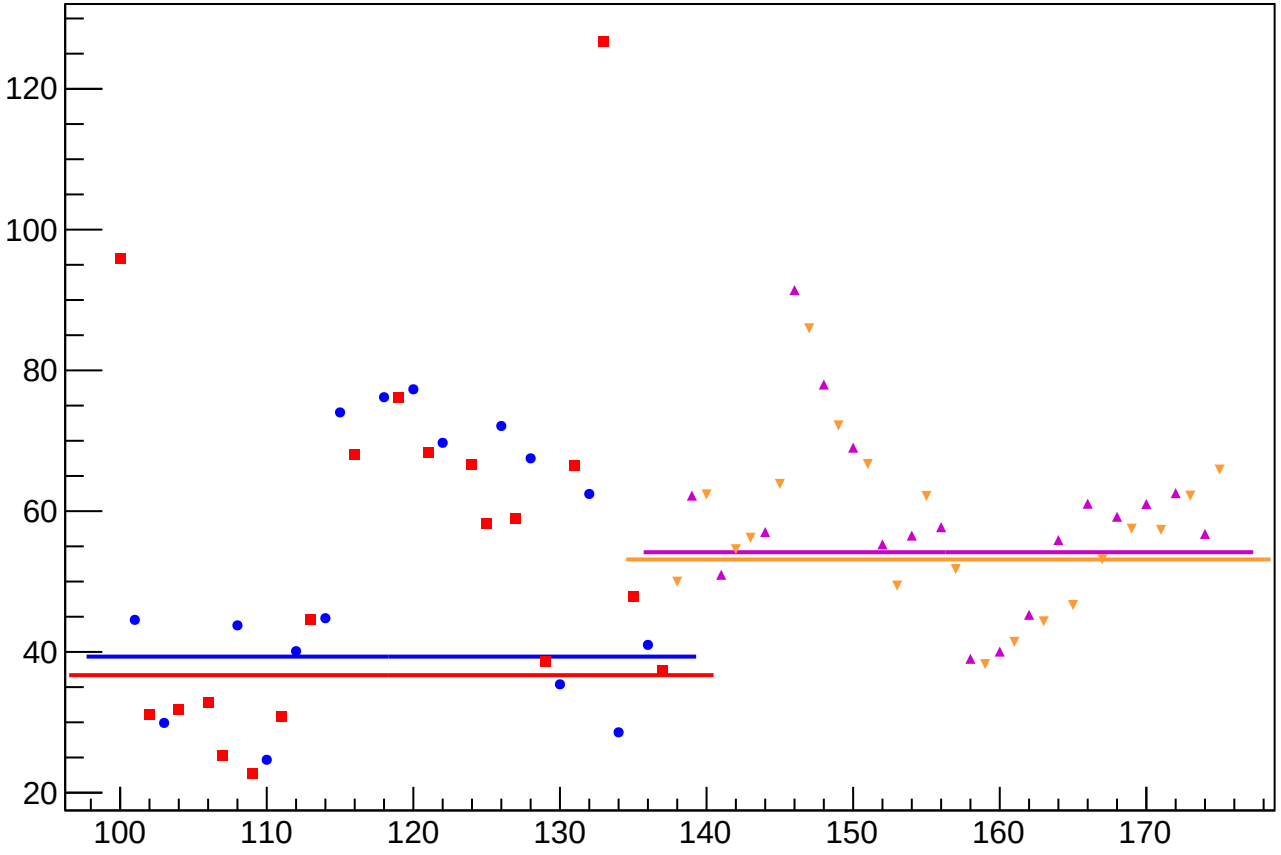
Left In: 0.012+/-0.015 χ^2/NDF:11.5/17

+ sign 0.023+/-0.010 χ^2/NDF: 51.0/35

All: 0.016+/-0.007 χ^2/NDF: 83.7/72

- sign 0.009+/-0.010 χ^2/NDF: 31.7/36

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.140+/-0.010 χ^2/NDF:1126929.4/19

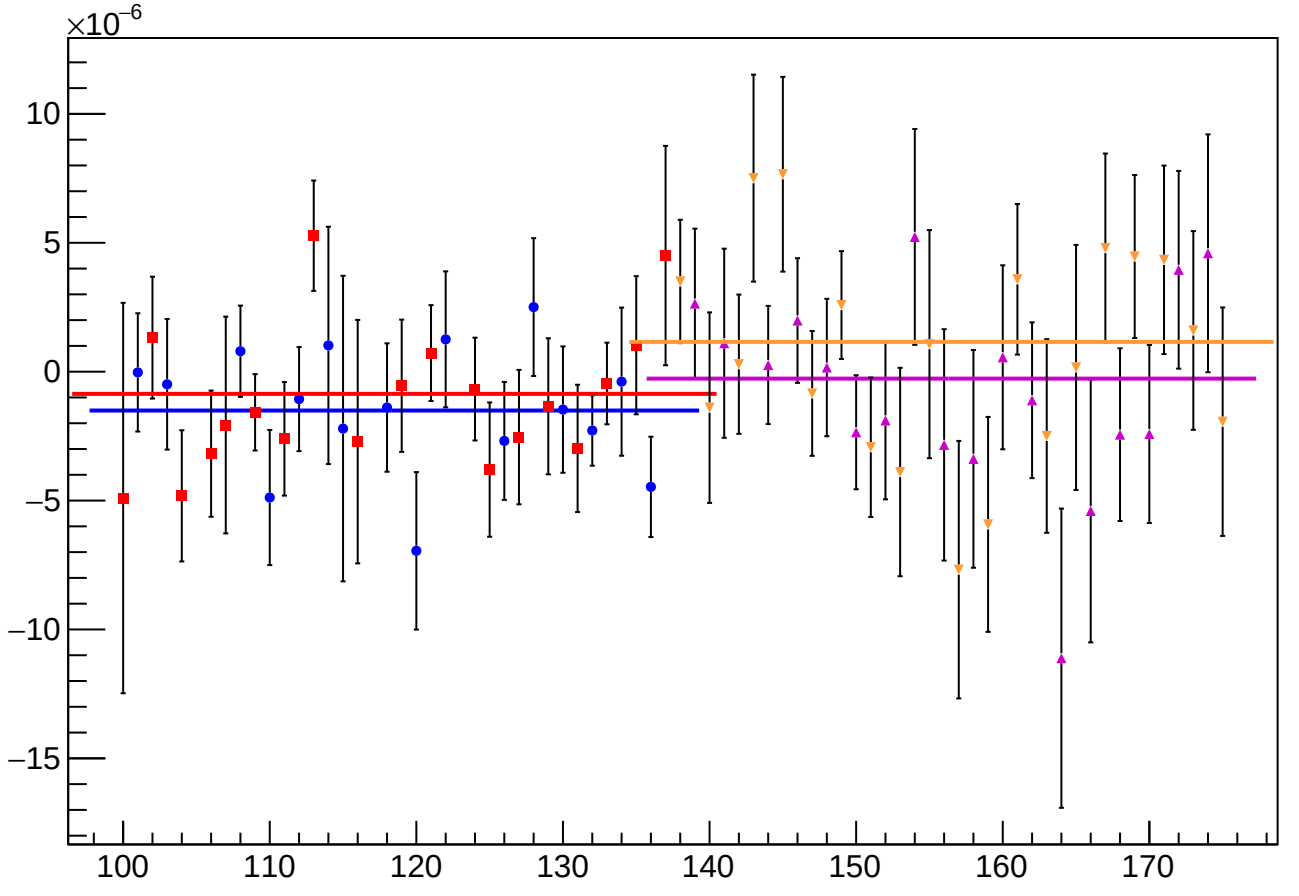
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.168+/-0.010 χ^2/NDF:1166189.4/17

+ sign 47.249+/-0.007 χ^2/NDF: 3544790.5/35

All: 46.511+/-0.005 χ^2/NDF: 8215649.0/72

- sign 45.772+/-0.007 χ^2/NDF: 4650937.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

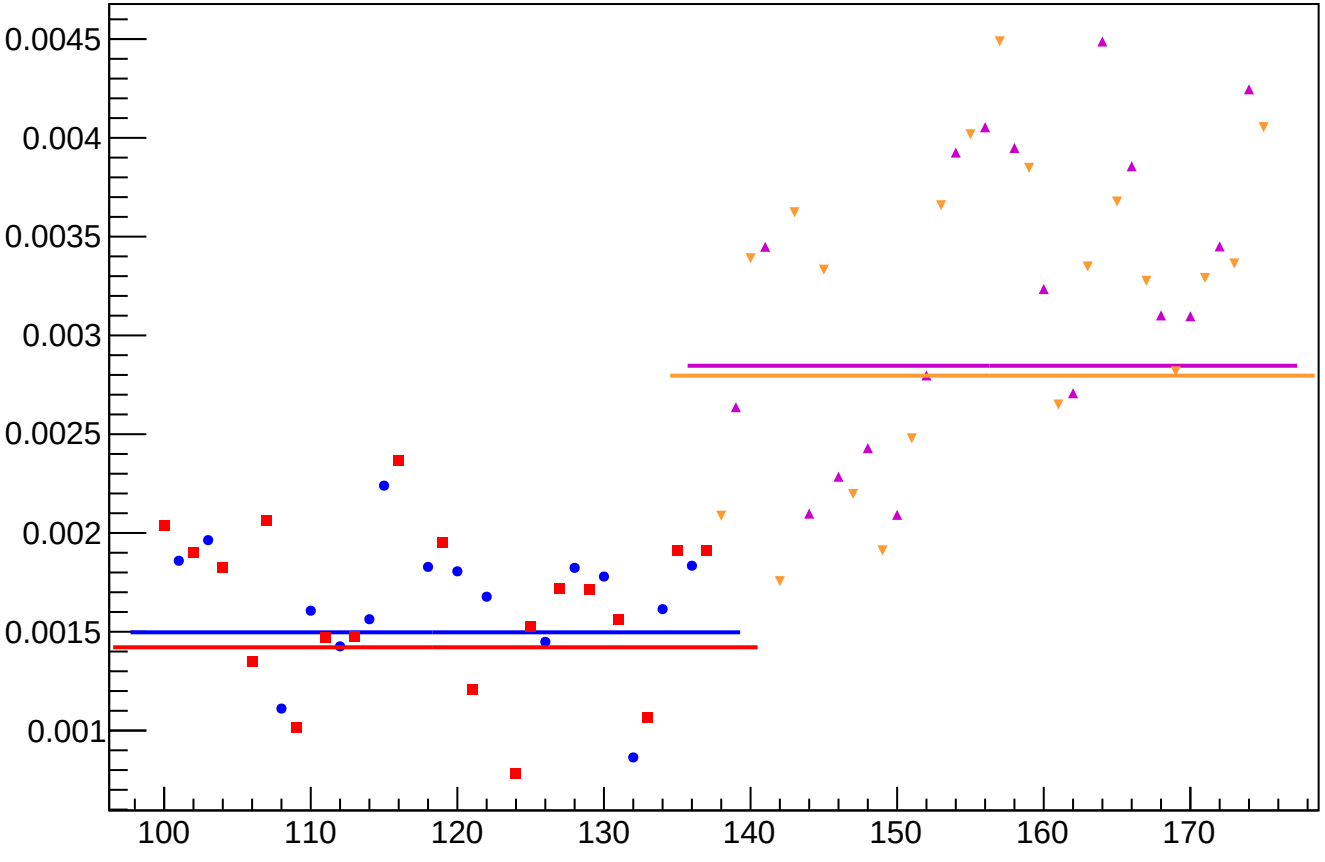
Left In: -0.000+/-0.000 χ^2/NDF:13.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 45.0/35

All: -0.000+/-0.000 χ^2/NDF: 78.2/72

- sign -0.000+/-0.000 χ^2/NDF: 33.1/36

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:2149087.3/19

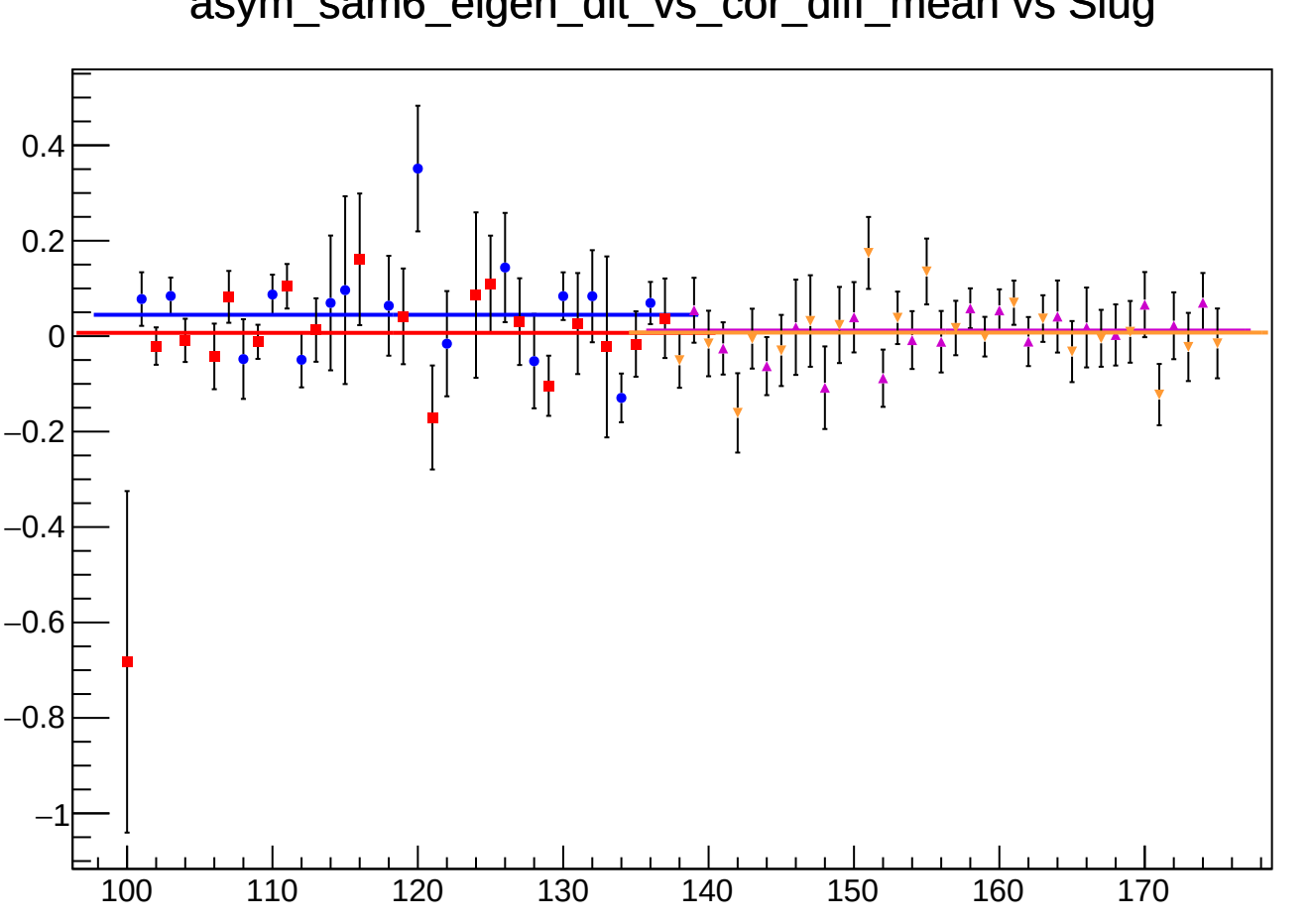
Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1603251.2/17

+ sign 0.002+/-0.000 χ^2/NDF: 6877846.1/35

All: 0.002+/-0.000 χ^2/NDF: 14147841.4/72

- sign 0.002+/-0.000 χ^2/NDF: 7221814.1/36



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.3/19

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

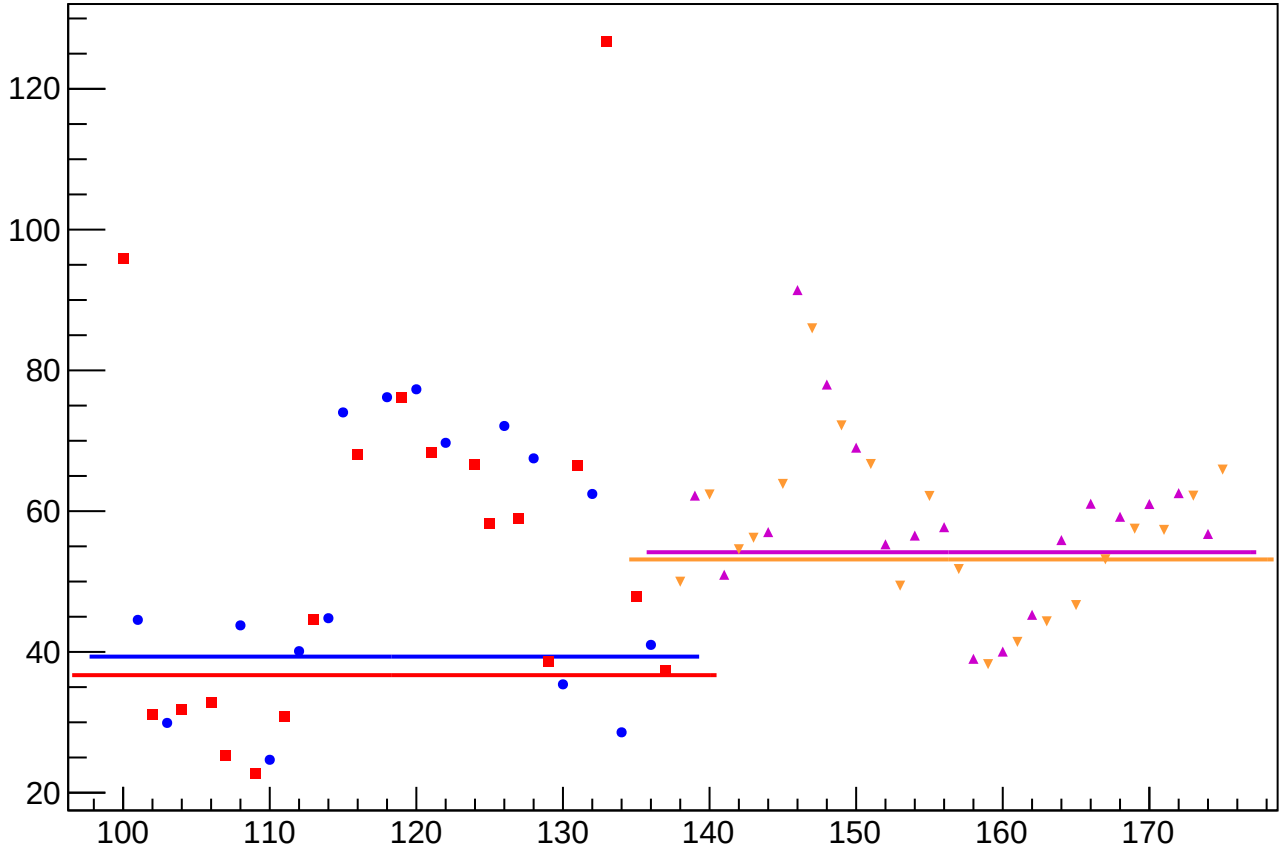
Left In: 0.012+/-0.015 χ^2/NDF:11.5/17

+ sign 0.023+/-0.010 χ^2/NDF: 51.0/35

All: 0.016+/-0.007 χ^2/NDF: 83.7/72

- sign 0.009+/-0.010 χ^2/NDF: 31.7/36

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.139+/-0.010 χ^2/NDF:1127023.9/19

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

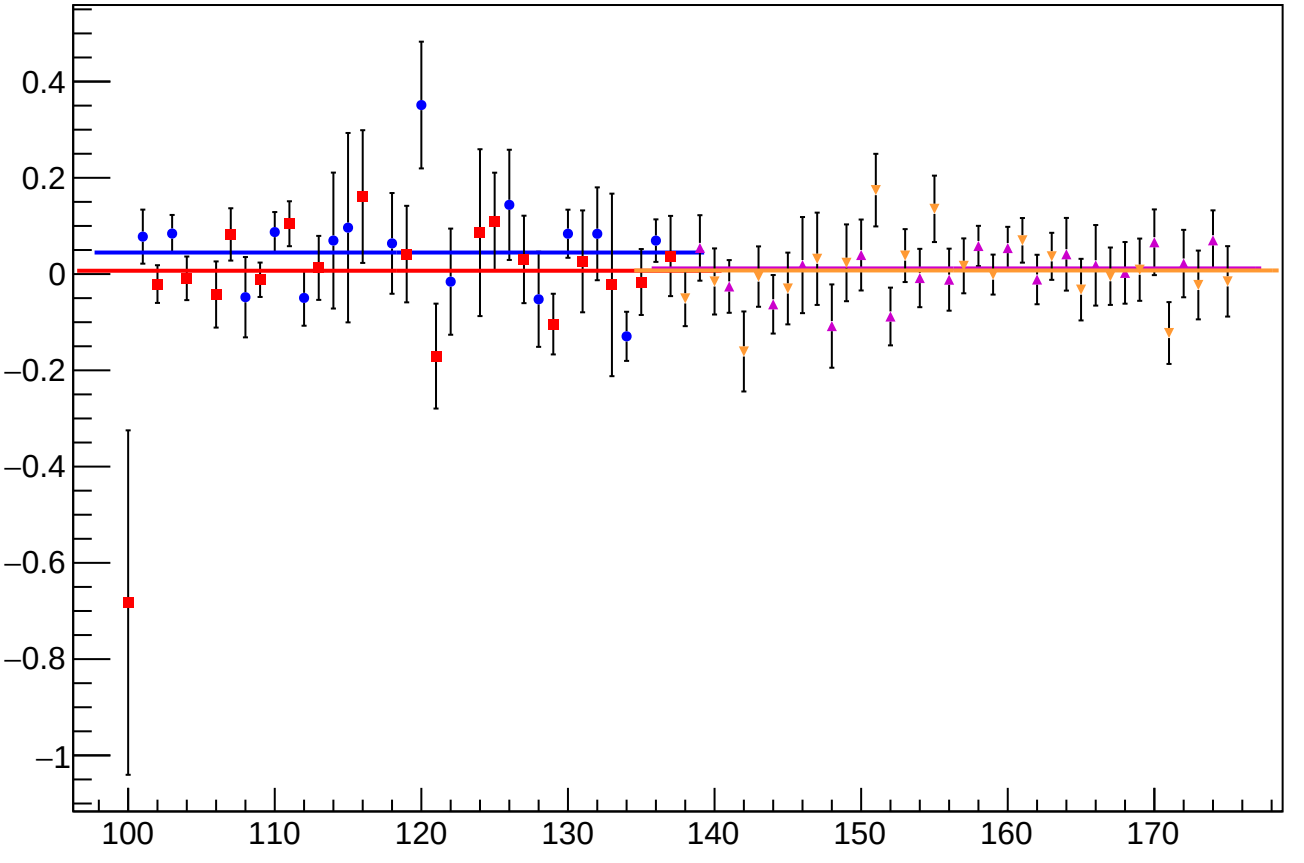
Left In: 54.166+/-0.010 χ^2/NDF:1166324.7/17

+ sign 47.249+/-0.007 χ^2/NDF: 3544870.1/35

All: 46.510+/-0.005 χ^2/NDF: 8215737.2/72

- sign 45.771+/-0.007 χ^2/NDF: 4650948.9/36

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.3/19

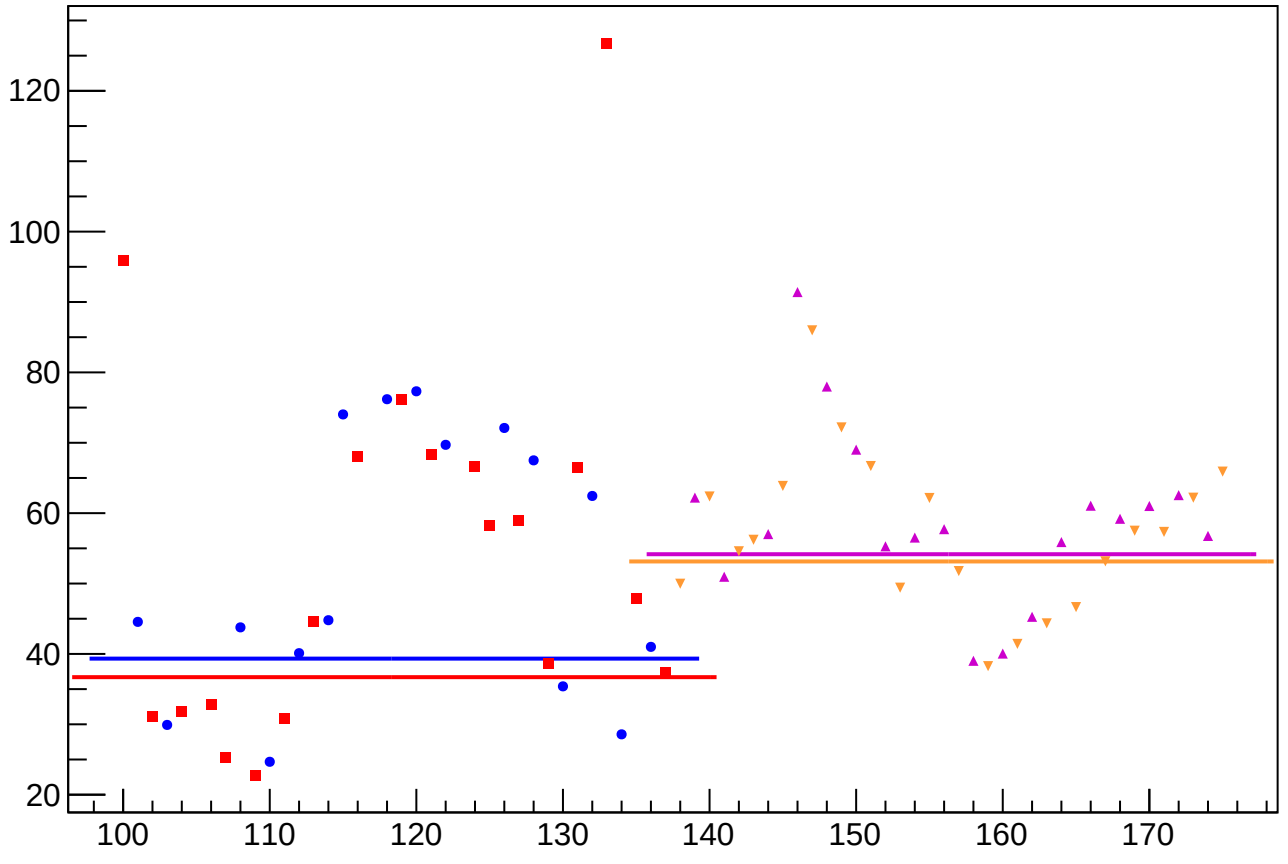
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.012+/-0.015 χ^2/NDF:11.5/17

+ sign 0.023+/-0.010 χ^2/NDF: 51.0/35

All: 0.016+/-0.007 χ^2/NDF: 83.7/72

- sign 0.009+/-0.010 χ^2/NDF: 31.7/36



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.139+/-0.010 χ^2/NDF:1127023.9/19

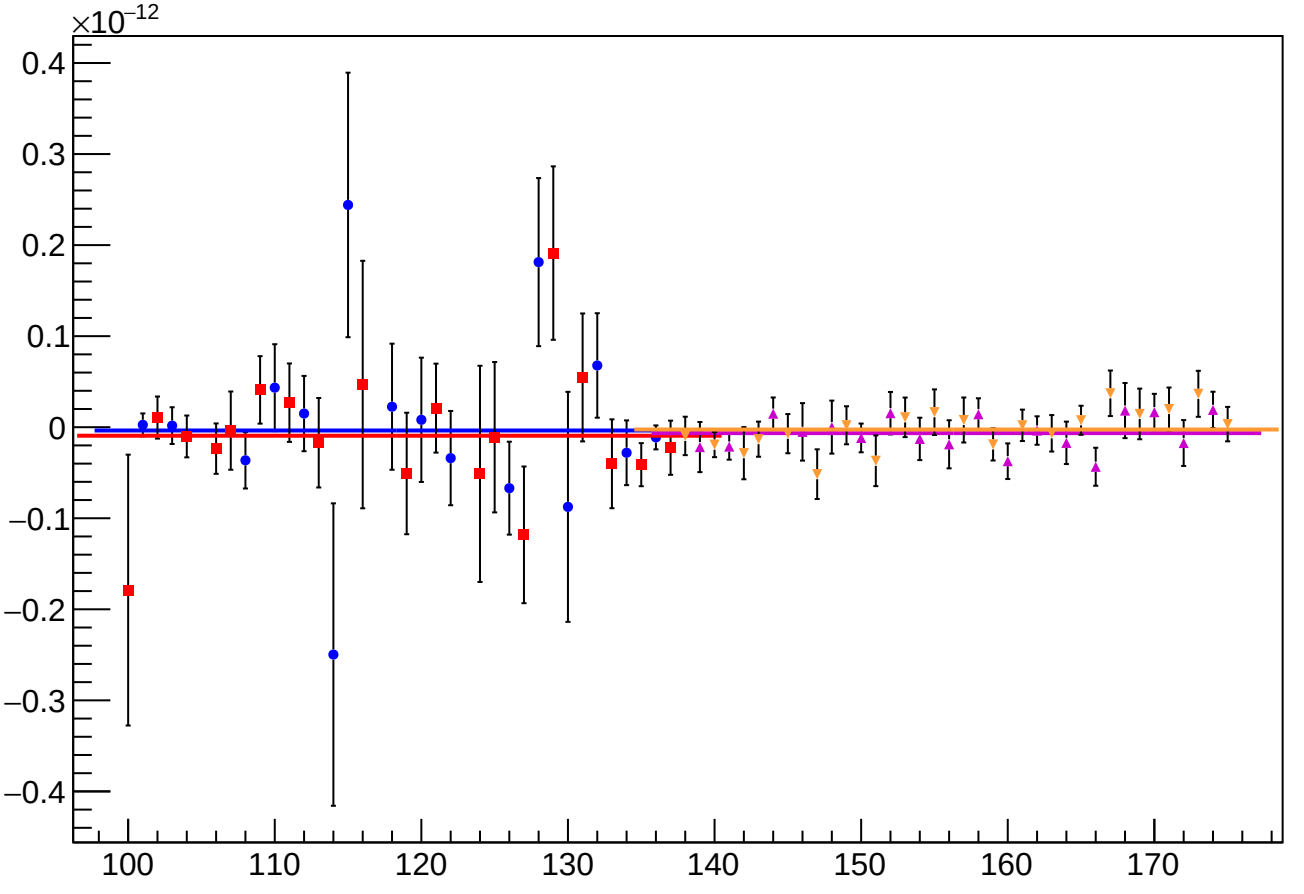
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.166+/-0.010 χ^2/NDF:1166324.7/17

\+ sign 47.249+/-0.007 χ^2/NDF: 3544870.1/35

All: 46.510+/-0.005 χ^2/NDF: 8215737.2/72

\- sign 45.771+/-0.007 χ^2/NDF: 4650948.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

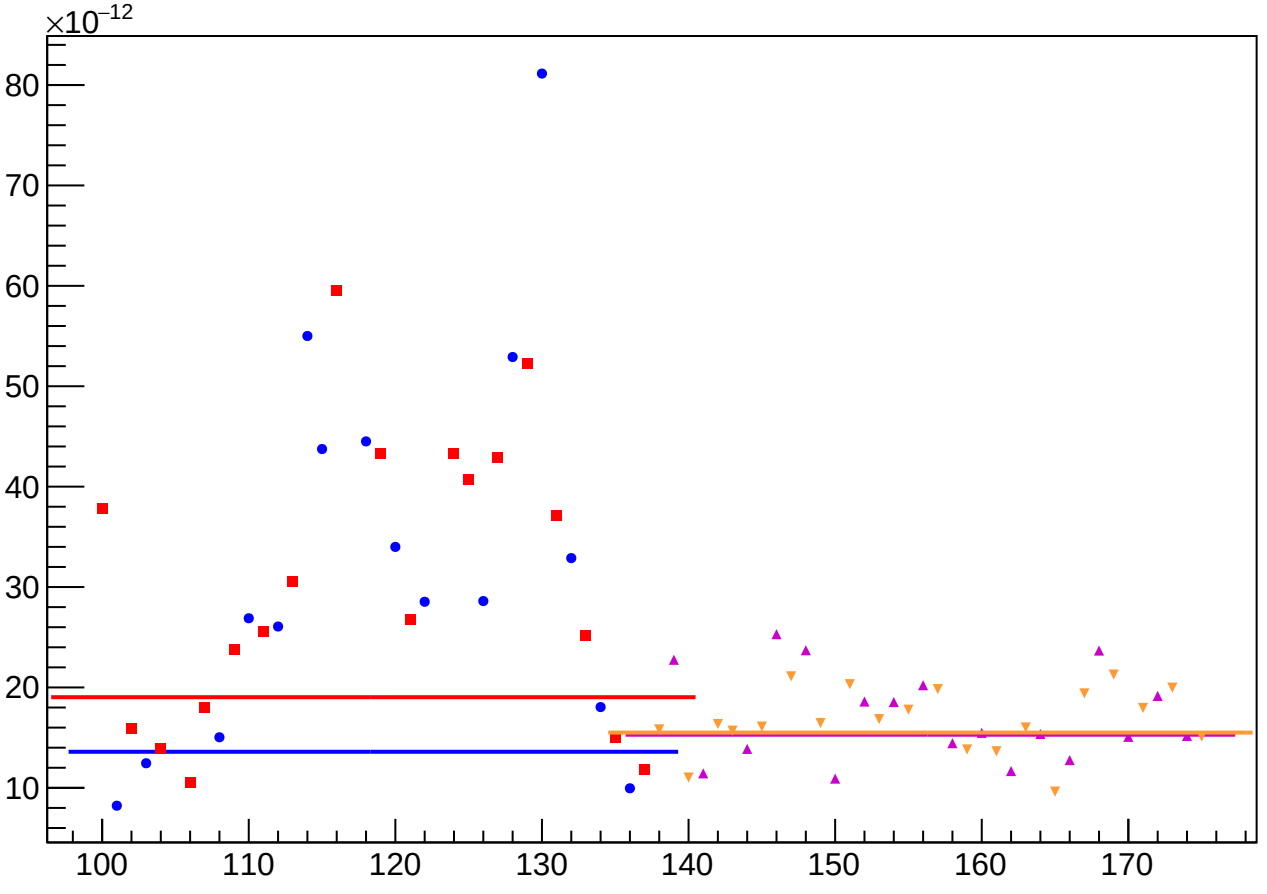
Left In: -0.000+/-0.000 χ^2/NDF:15.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 33.0/35

All: -0.000+/-0.000 χ^2/NDF: 64.5/72

- sign -0.000+/-0.000 χ^2/NDF: 31.0/36

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:983355.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

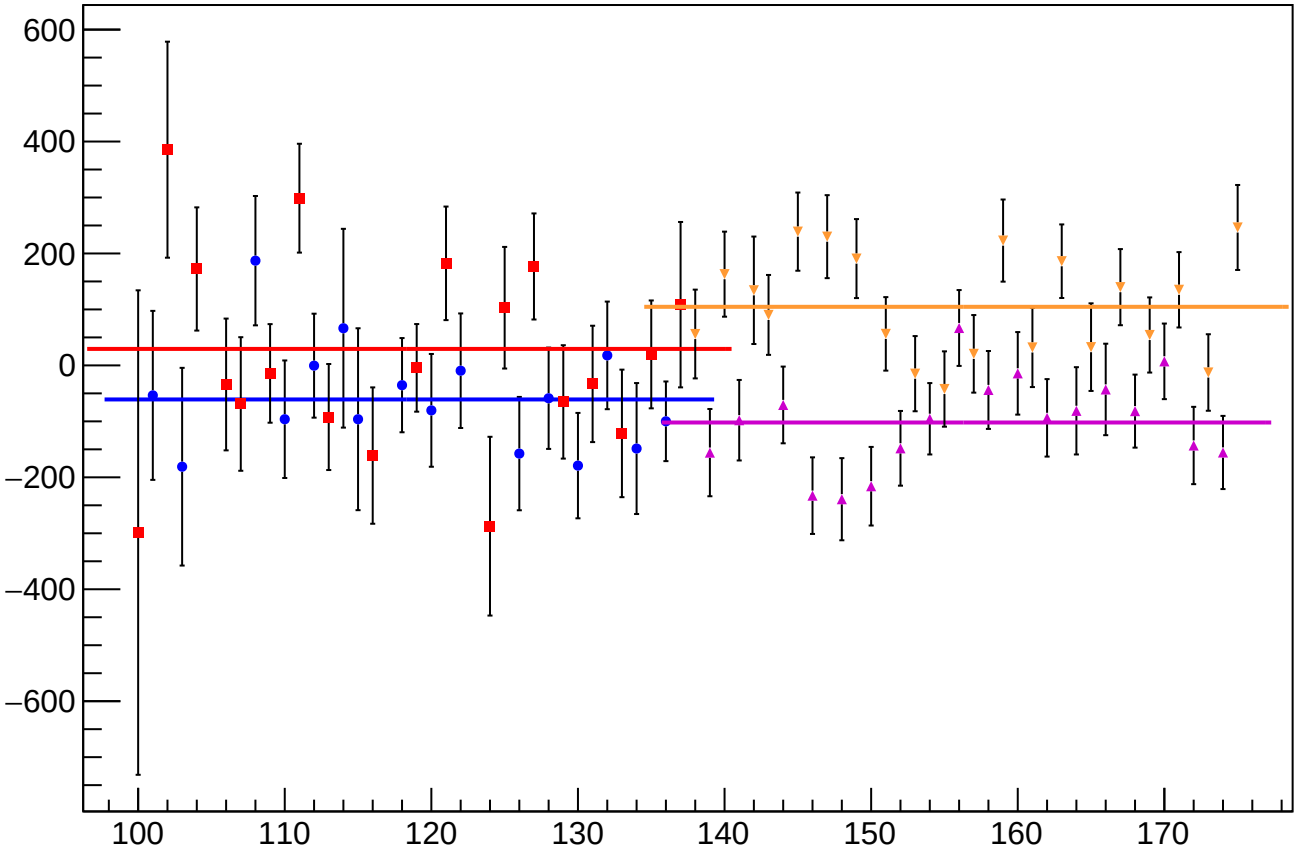
Left In: 0.000+/-0.000 χ^2/NDF:1316510.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 4269481.8/35

All: 0.000+/-0.000 χ^2/NDF: 7980613.4/72

- sign 0.000+/-0.000 χ^2/NDF: 3628734.9/36

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.673+/-15.946 χ^2/NDF:32.6/19

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

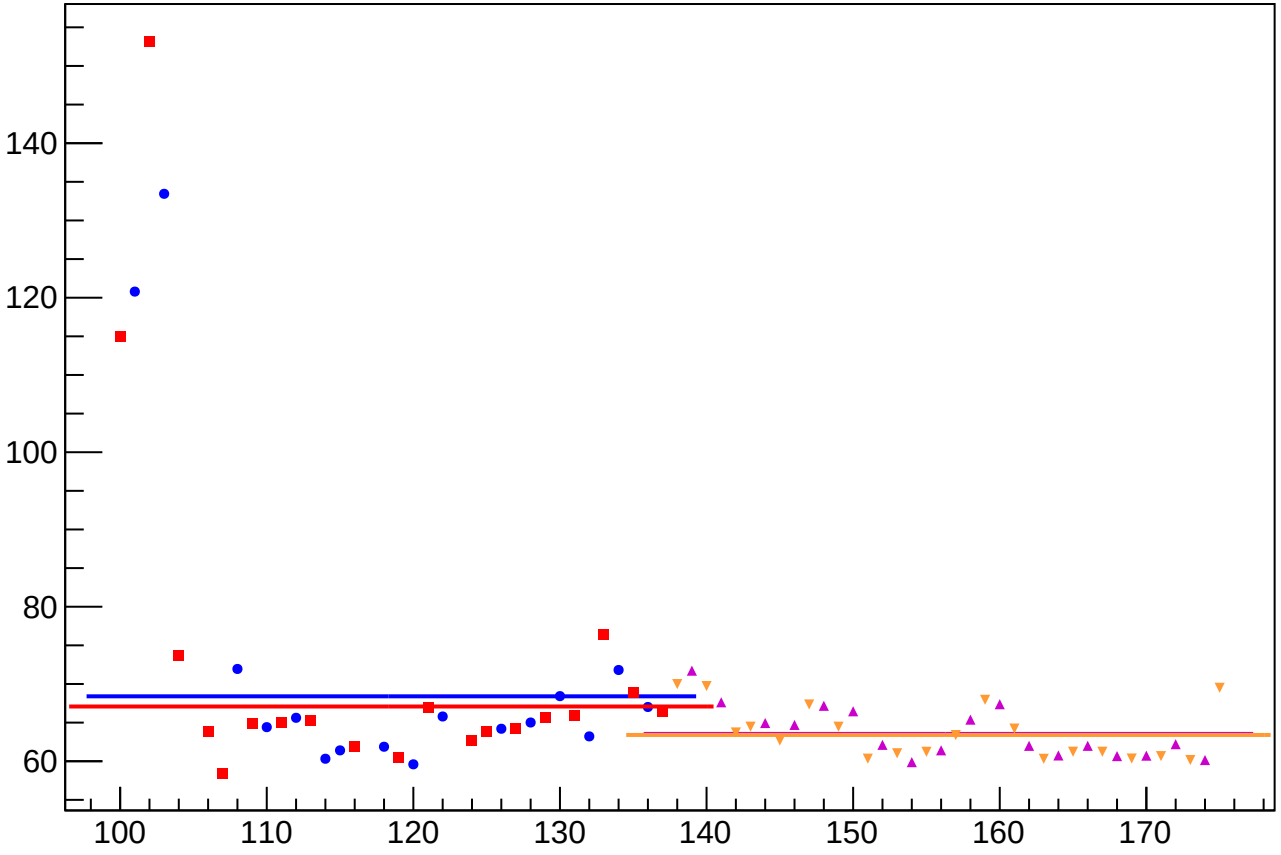
Left In: -102.041+/-16.504 χ^2/NDF:23.6/17

+ sign 59.565+/-13.601 χ^2/NDF: 72.5/35

All: -0.553+/-9.684 χ^2/NDF: 186.1/72

- sign -62.362+/-13.791 χ^2/NDF: 74.0/36

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.403+/-0.011 χ^2/NDF:84251.7/19

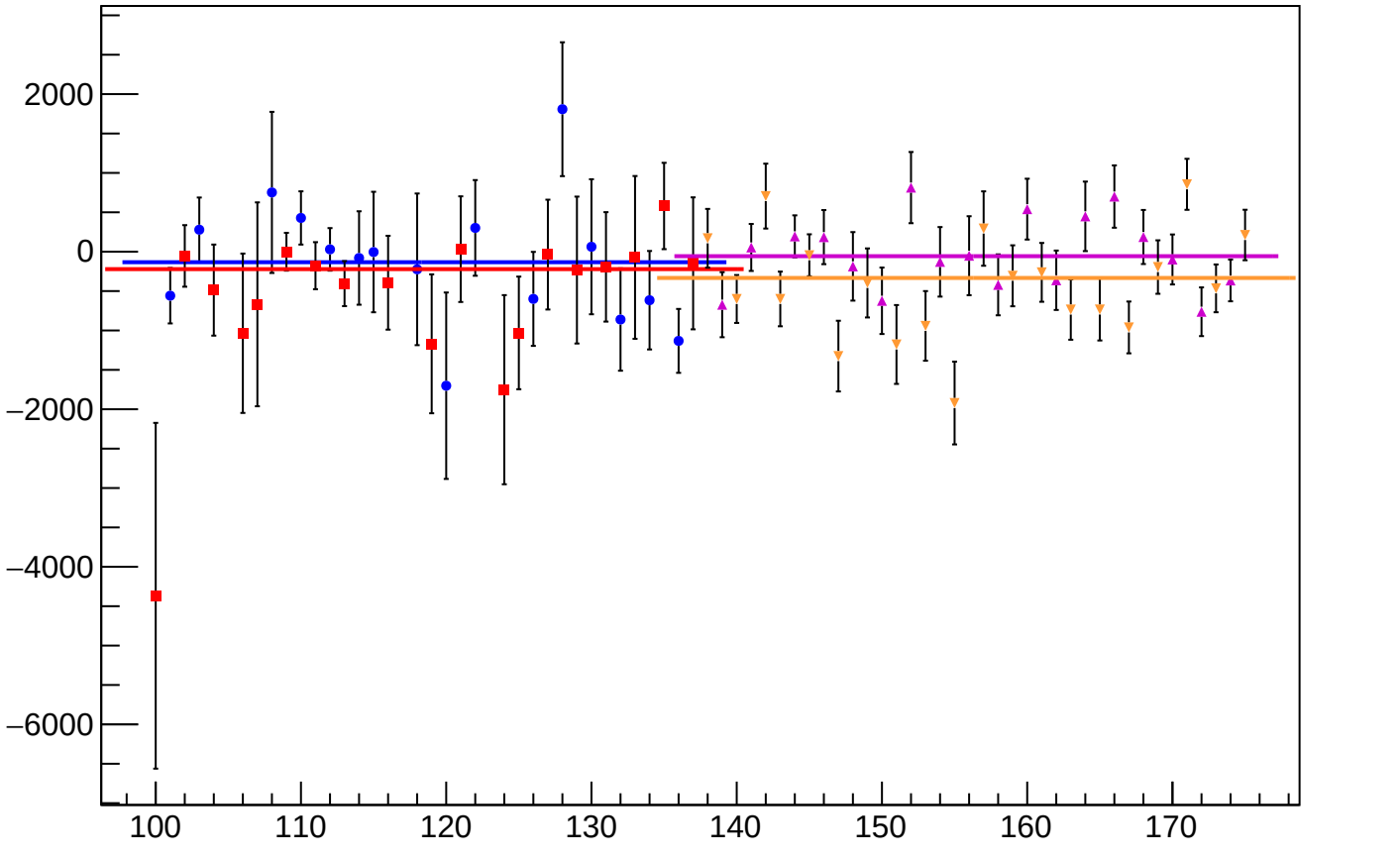
Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 63.536+/-0.012 χ^2/NDF:72323.1/17

+ sign 64.766+/-0.010 χ^2/NDF: 707407.6/35

All: 64.687+/-0.007 χ^2/NDF: 1289599.9/72

- sign 64.607+/-0.010 χ^2/NDF: 582058.5/36



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -333.321+/-81.949 χ^2/NDF:53.8/19

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

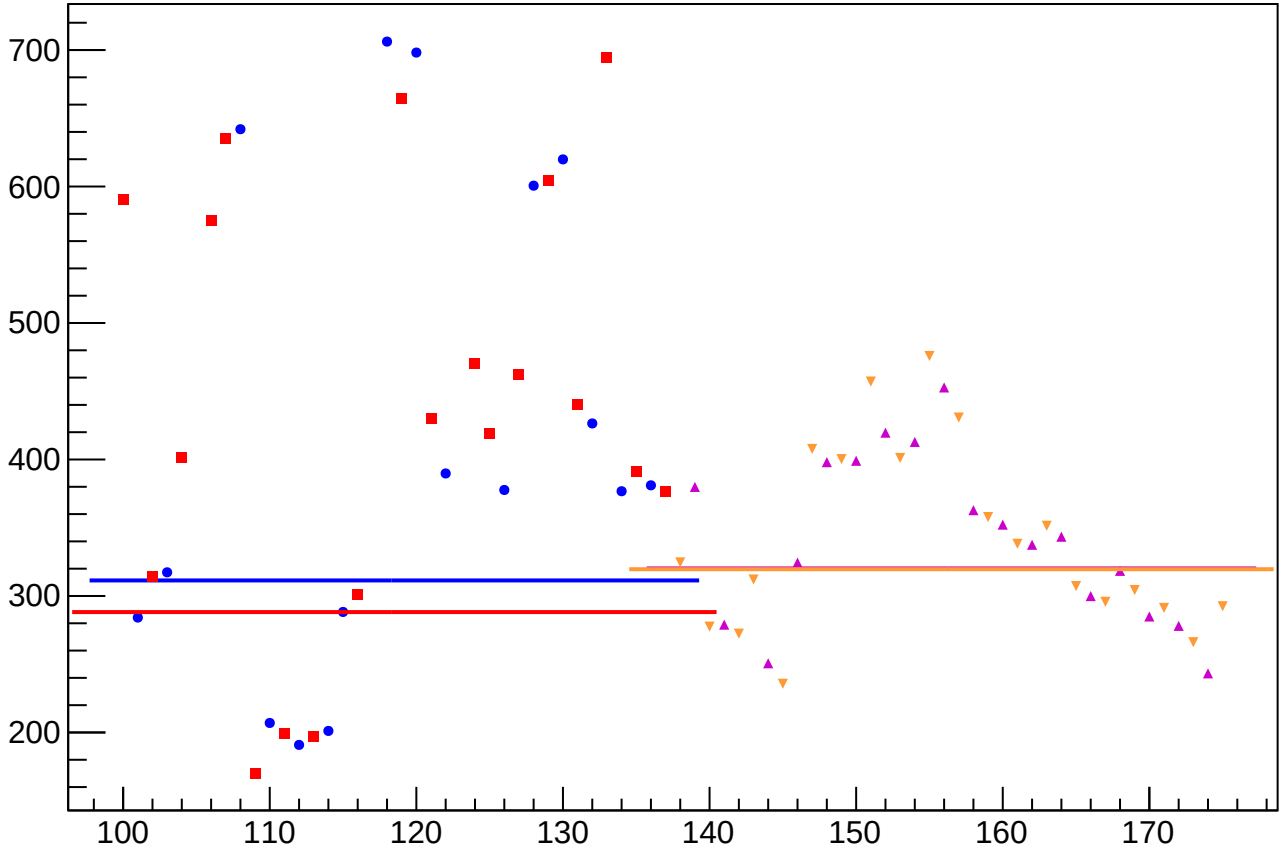
Left In: -56.915+/-84.607 χ^2/NDF:25.4/17

+ sign -273.884+/-68.682 χ^2/NDF: 78.0/35

All: -193.420+/-48.577 χ^2/NDF: 120.0/72

- sign -112.875+/-68.716 χ^2/NDF: 39.2/36

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 319.609+/-0.058 χ^2/NDF:1062879.9/19

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

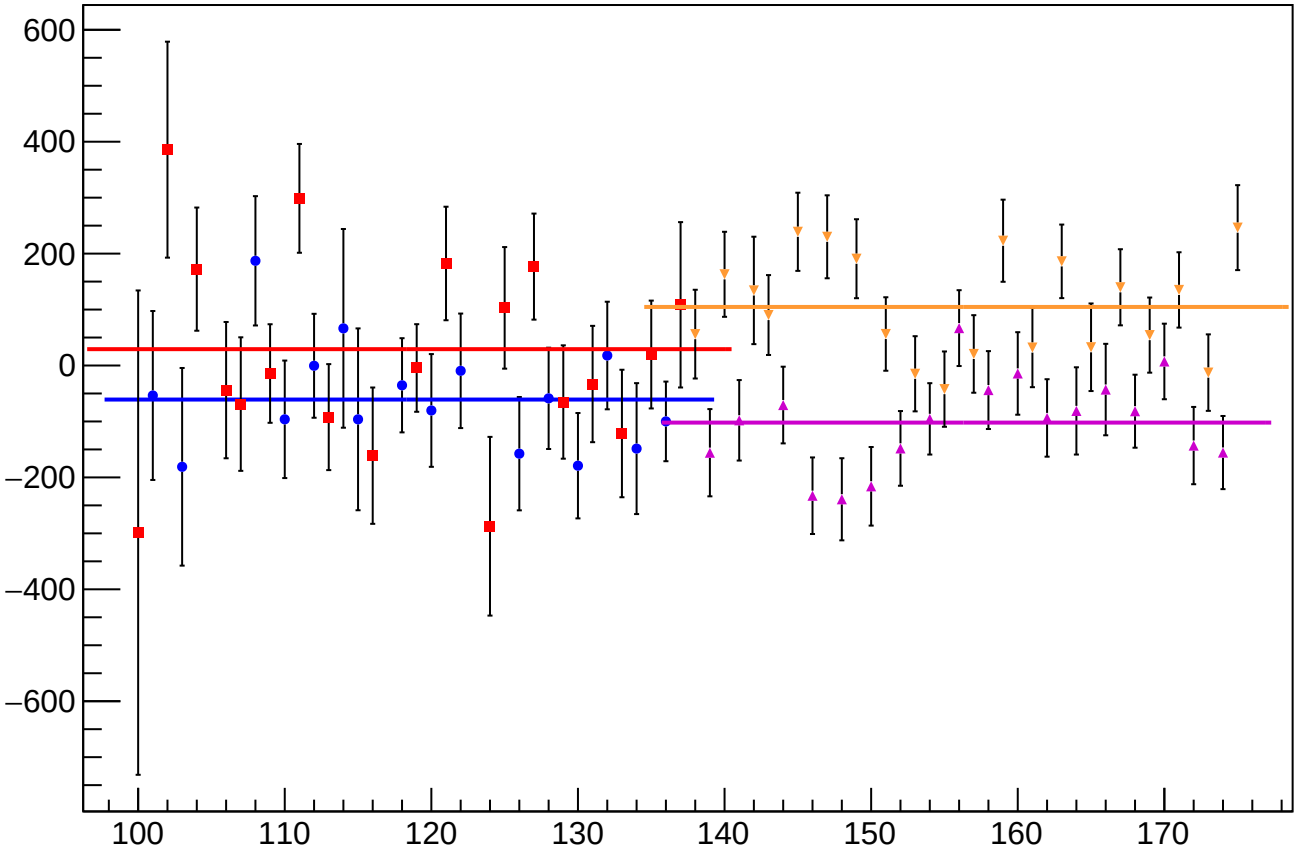
Left In: 320.201+/-0.060 χ^2/NDF:958829.8/17

+ sign 317.162+/-0.049 χ^2/NDF: 3192670.6/35

All: 313.238+/-0.034 χ^2/NDF: 6977301.7/72

- sign 309.311+/-0.049 χ^2/NDF: 3771568.1/36

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.673+/-15.946 χ^2/NDF:32.6/19

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

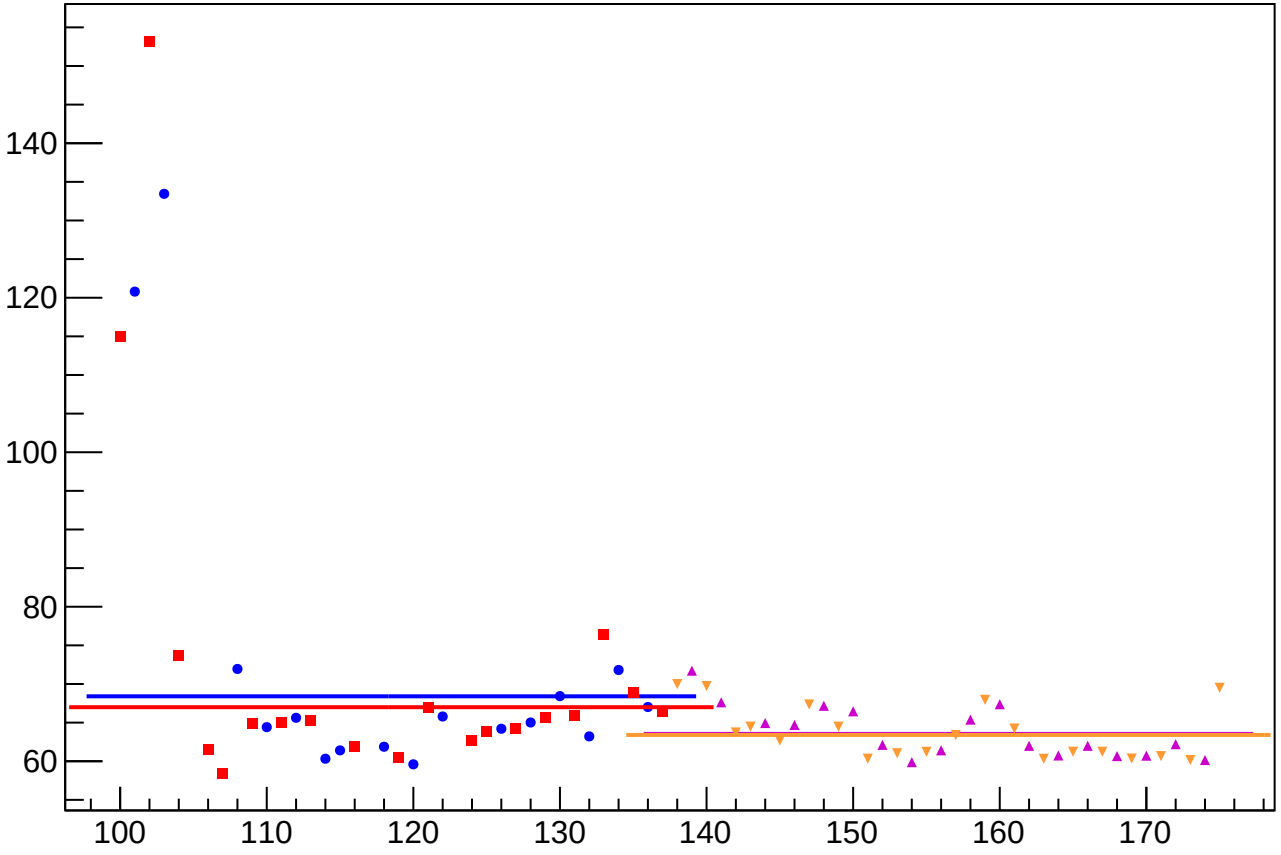
Left In: -102.038+/-16.504 χ^2/NDF:23.6/17

+ sign 59.565+/-13.601 χ^2/NDF: 72.5/35

All: -0.600+/-9.686 χ^2/NDF: 186.2/72

- sign -62.513+/-13.797 χ^2/NDF: 73.9/36

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.403+/-0.011 χ^2/NDF:84251.7/19

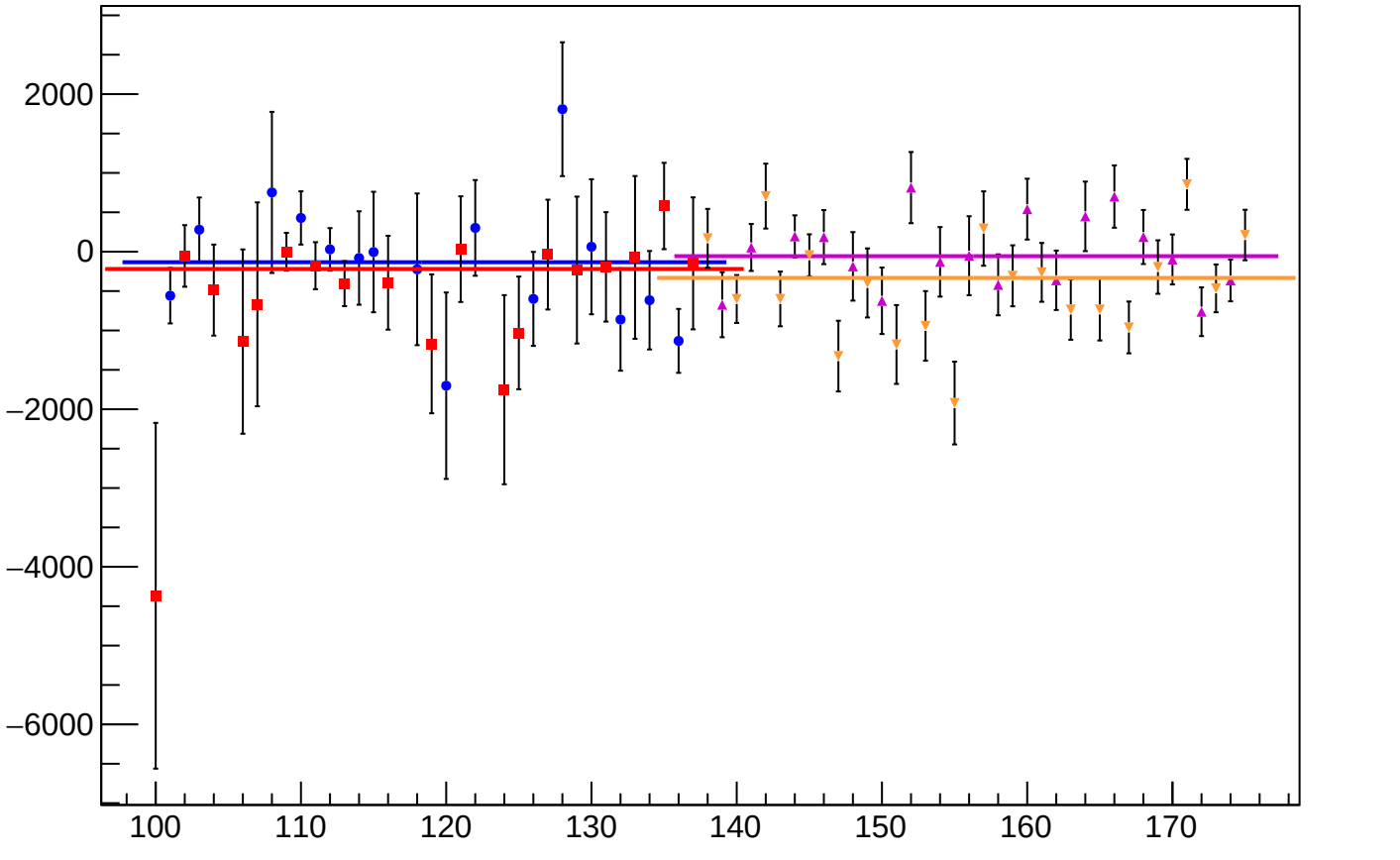
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.536+/-0.012 χ^2/NDF:72323.1/17

+ sign 64.766+/-0.010 χ^2/NDF: 707408.0/35

All: 64.673+/-0.007 χ^2/NDF: 1290857.3/72

- sign 64.577+/-0.010 χ^2/NDF: 583260.8/36



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -333.322+/-81.949 χ^2/NDF:53.8/19

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

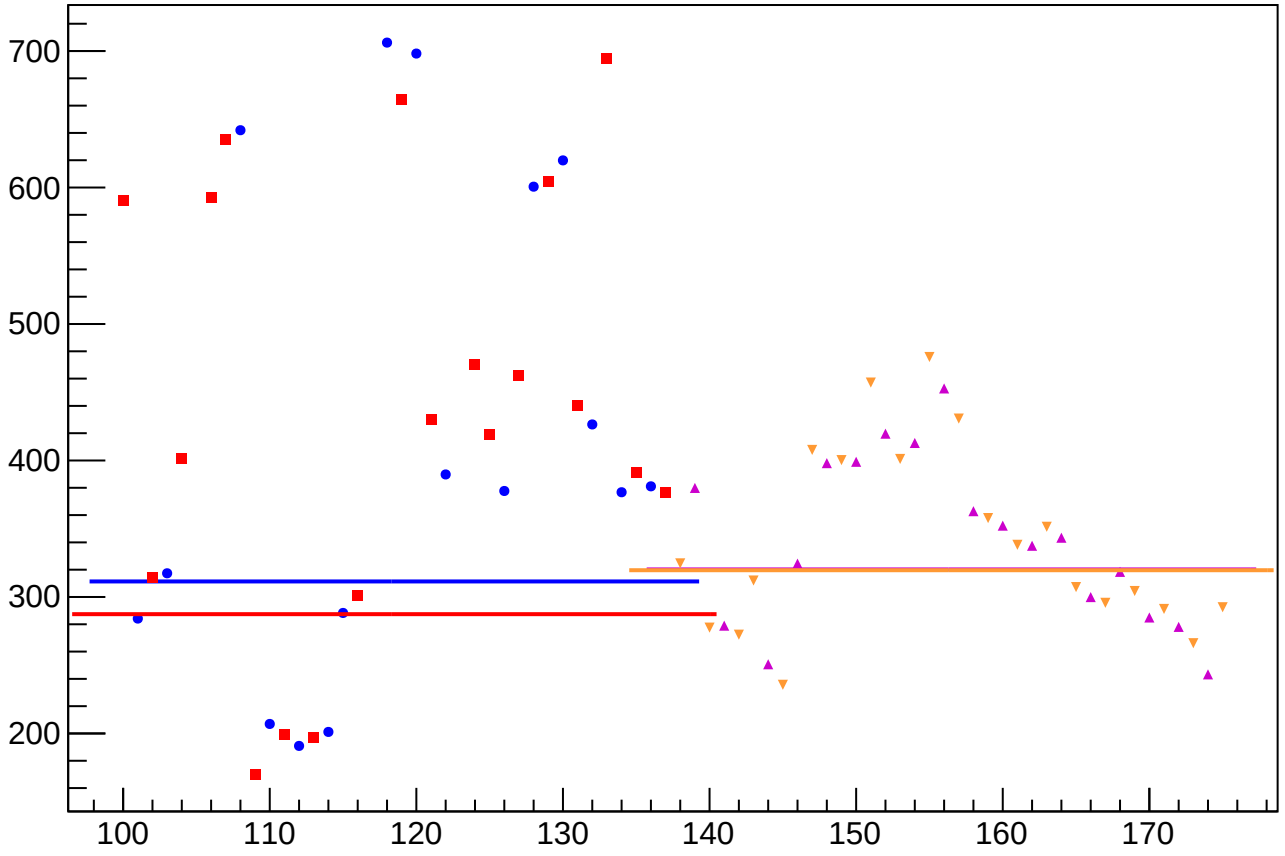
Left In: -56.907+/-84.607 χ^2/NDF:25.4/17

+ sign -273.885+/-68.682 χ^2/NDF: 78.0/35

All: -193.111+/-48.592 χ^2/NDF: 119.9/72

- sign -112.160+/-68.757 χ^2/NDF: 39.1/36

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 319.609+/-0.058 χ^2/NDF:1062884.0/19

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

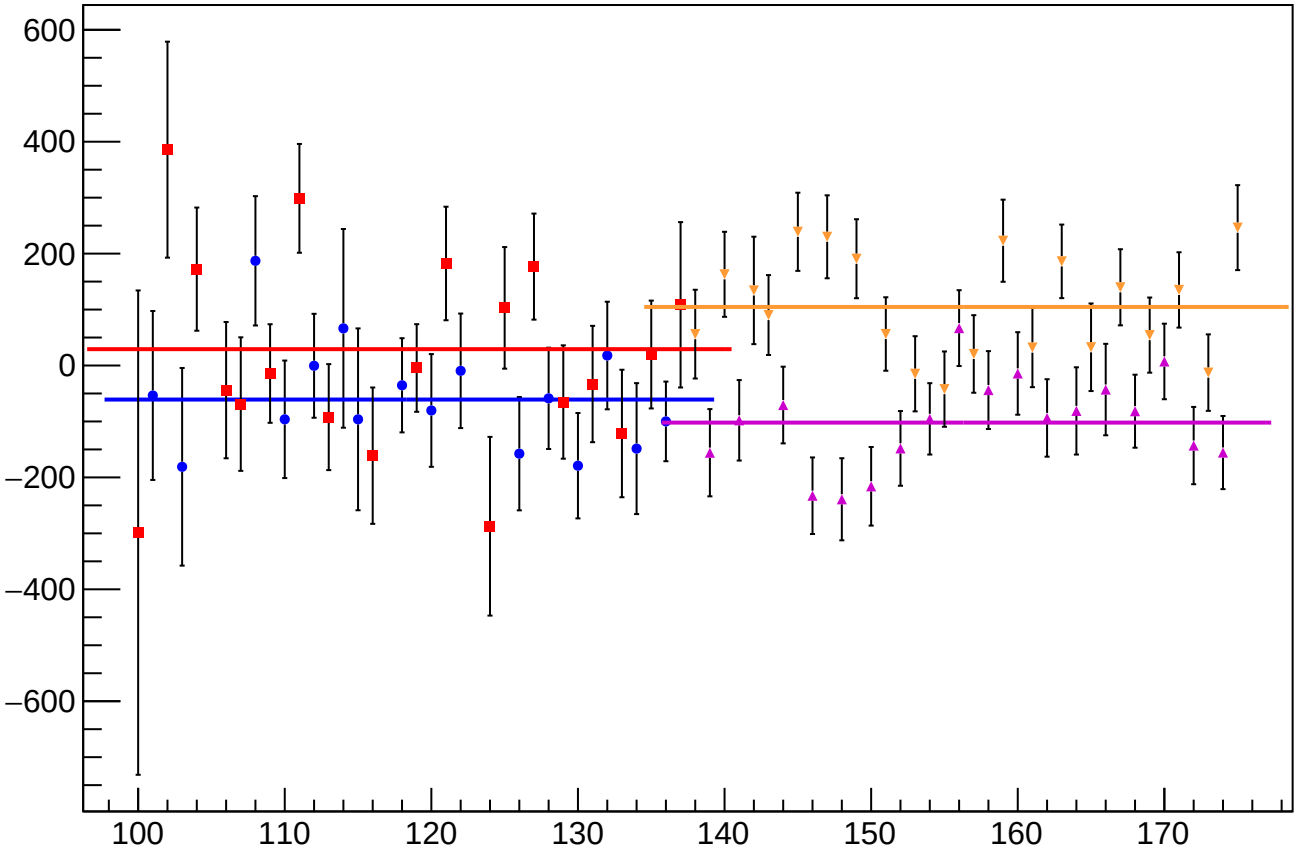
Left In: 320.201+/-0.060 χ^2/NDF:958836.8/17

+ sign 317.163+/-0.049 χ^2/NDF: 3192672.9/35

All: 313.119+/-0.034 χ^2/NDF: 6957645.6/72

- sign 309.067+/-0.049 χ^2/NDF: 3751092.8/36

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.673+/-15.946 χ^2/NDF:32.6/19

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

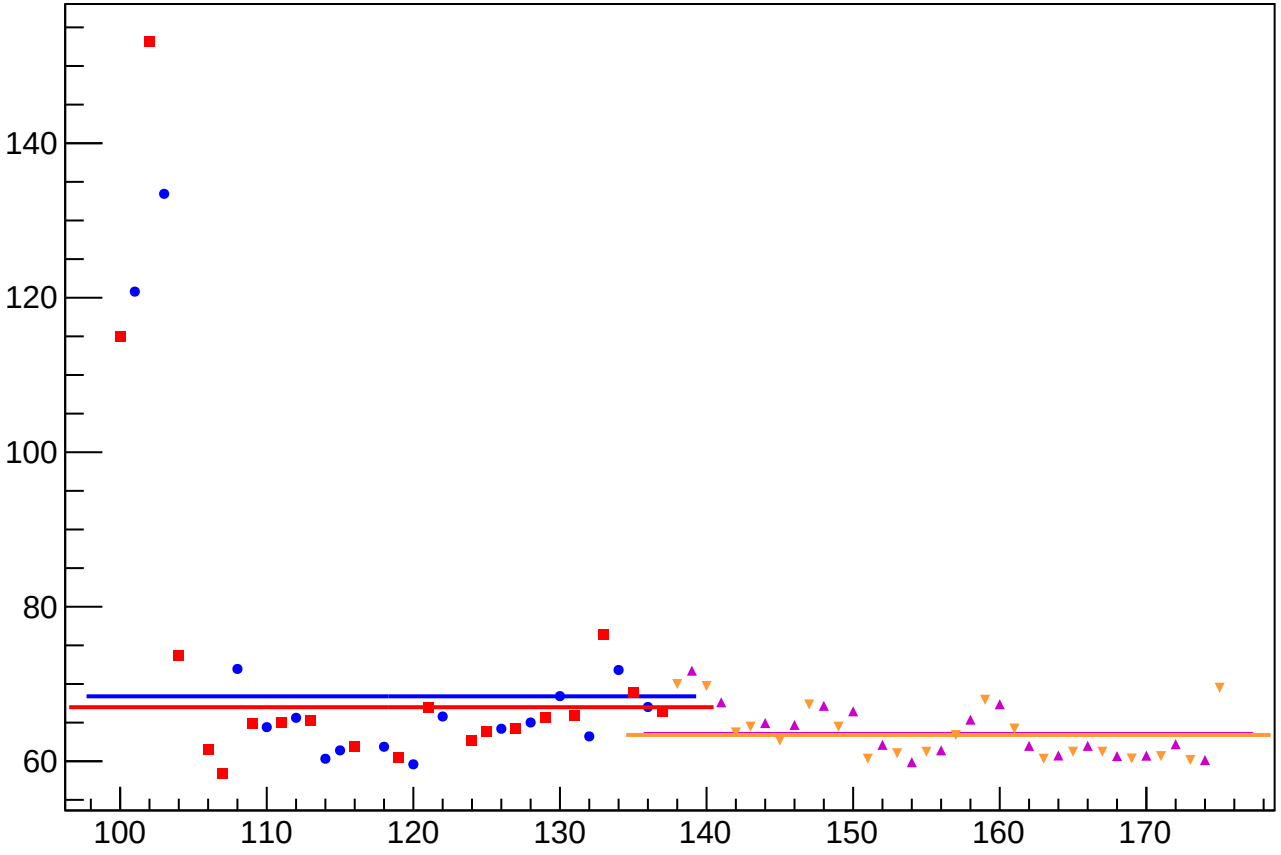
Left In: -102.038+/-16.504 χ^2/NDF:23.6/17

+ sign 59.565+/-13.601 χ^2/NDF: 72.5/35

All: -0.600+/-9.686 χ^2/NDF: 186.2/72

- sign -62.513+/-13.797 χ^2/NDF: 73.9/36

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.403+/-0.011 χ^2/NDF:84251.7/19

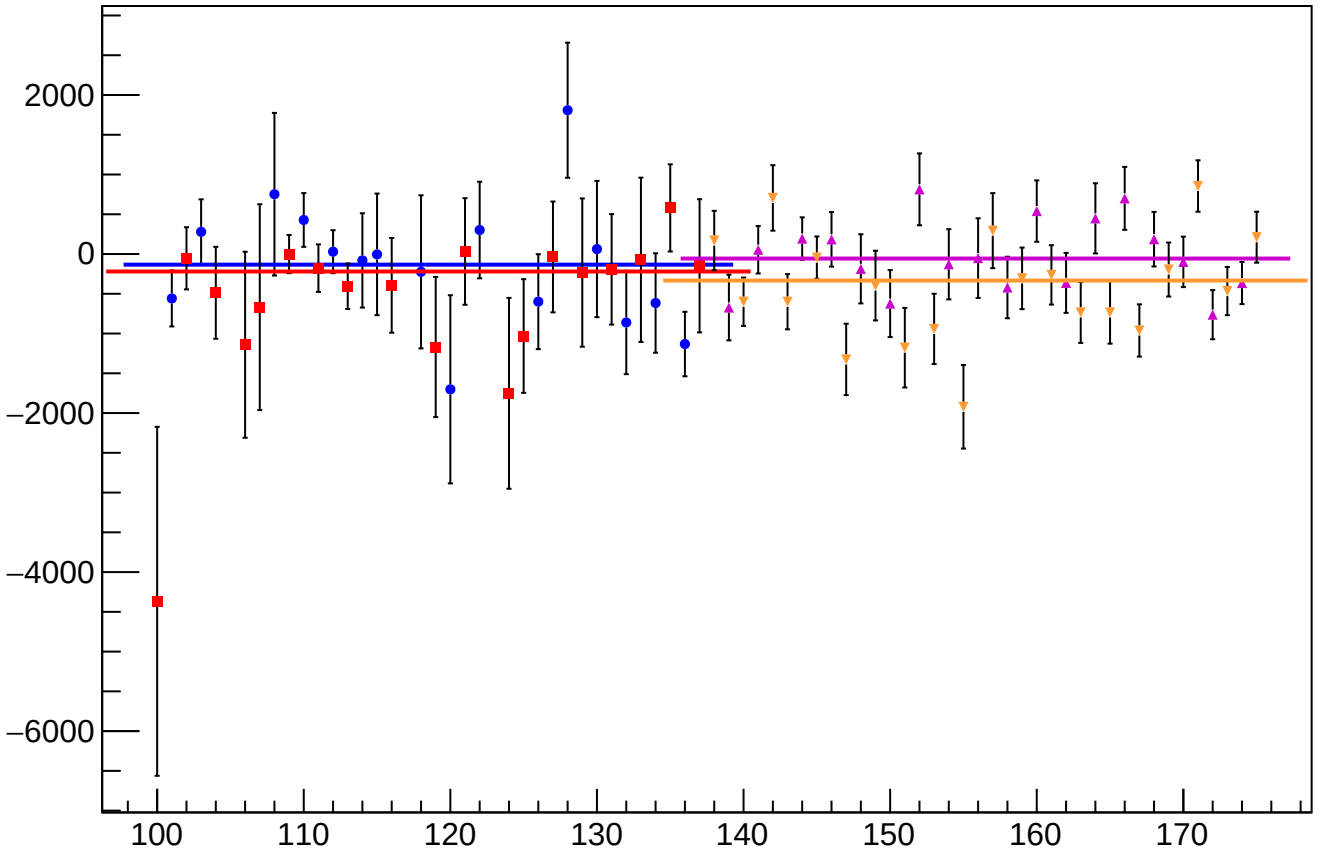
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.536+/-0.012 χ^2/NDF:72323.1/17

+ sign 64.766+/-0.010 χ^2/NDF: 707408.0/35

All: 64.673+/-0.007 χ^2/NDF: 1290857.3/72

- sign 64.577+/-0.010 χ^2/NDF: 583260.8/36



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -333.322+/-81.949 χ^2/NDF:53.8/19

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

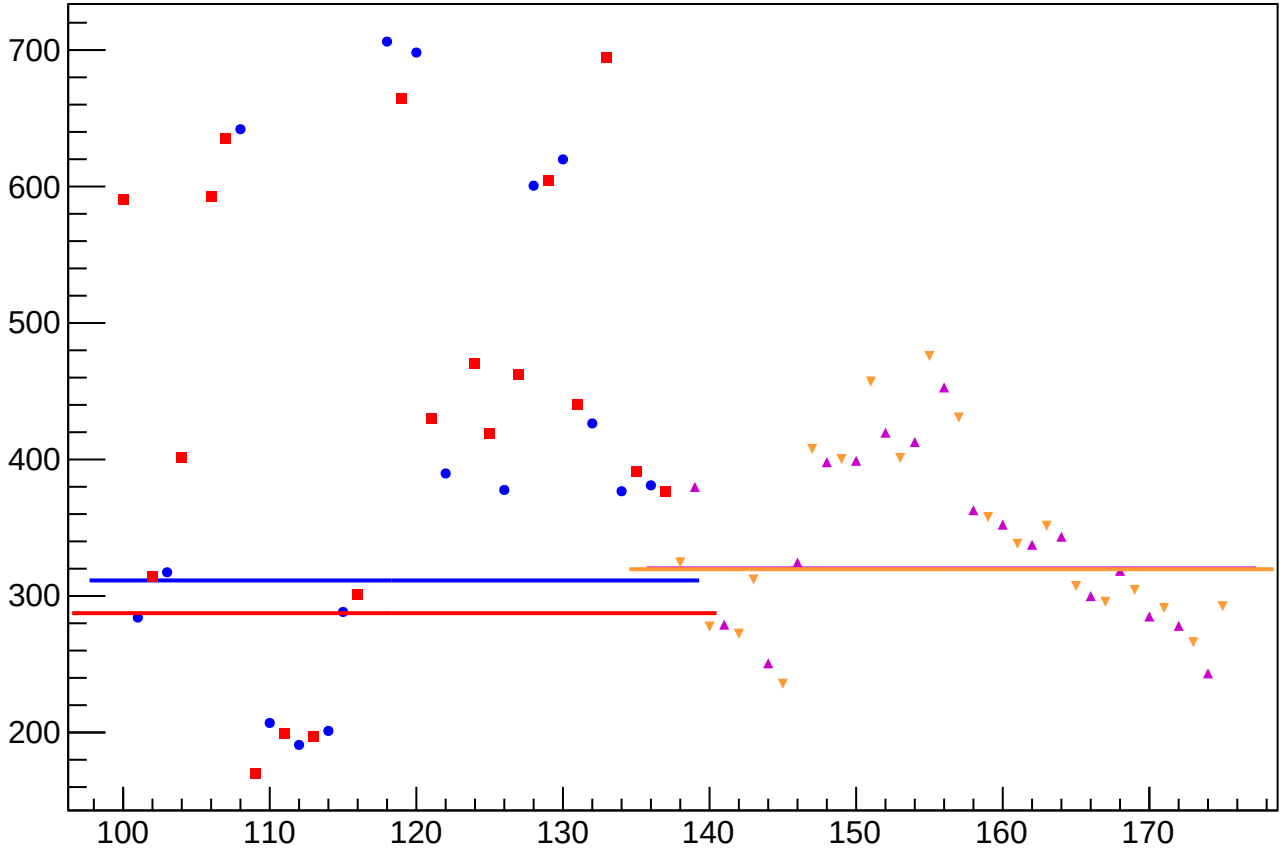
Left In: -56.907+/-84.607 χ^2/NDF:25.4/17

+ sign -273.885+/-68.682 χ^2/NDF: 78.0/35

All: -193.111+/-48.592 χ^2/NDF: 119.9/72

- sign -112.160+/-68.757 χ^2/NDF: 39.1/36

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 319.609+/-0.058 χ^2/NDF:1062884.0/19

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

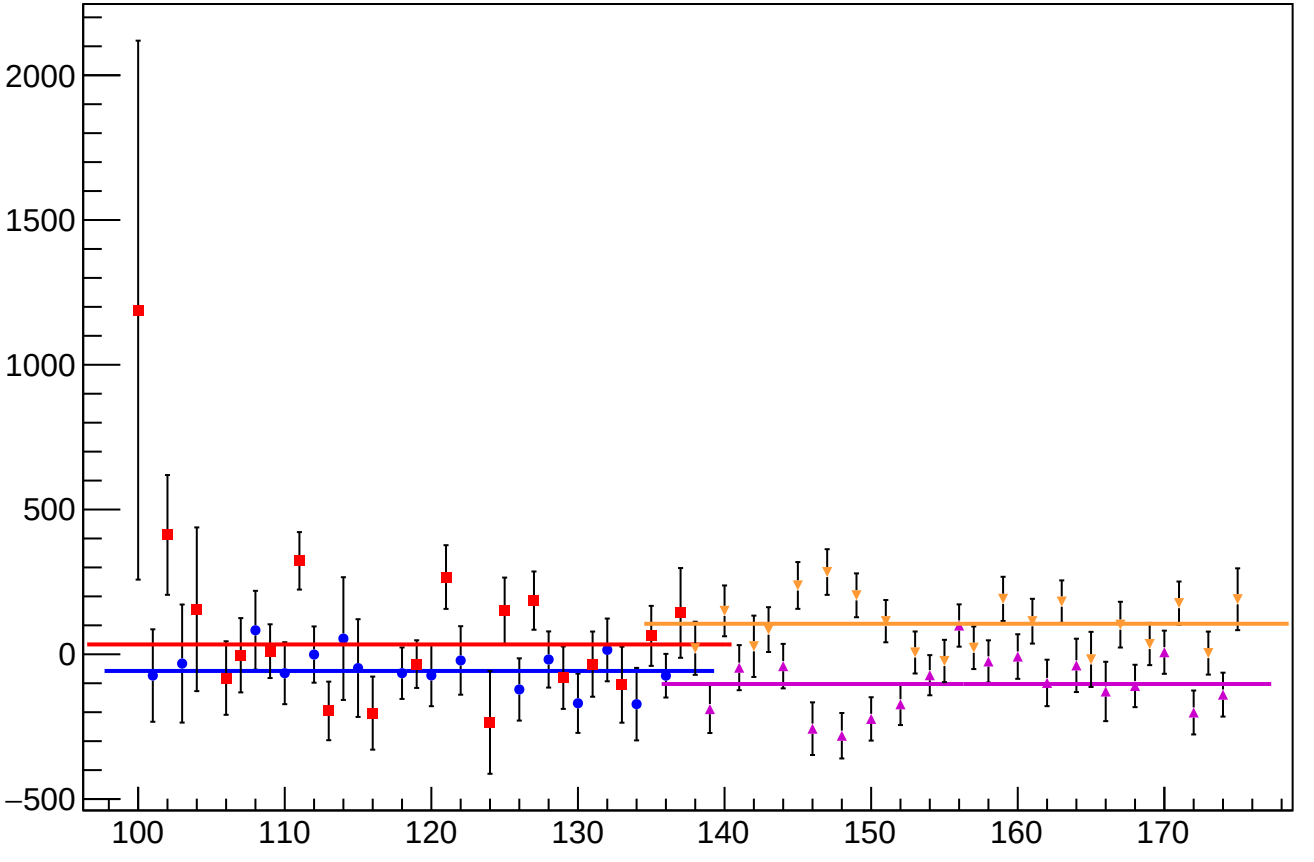
Left In: 320.201+/-0.060 χ^2/NDF:958836.8/17

+ sign 317.163+/-0.049 χ^2/NDF: 3192672.9/35

All: 313.119+/-0.034 χ^2/NDF: 6957645.6/72

- sign 309.067+/-0.049 χ^2/NDF: 3751092.8/36

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 105.499+/-17.750 χ^2/NDF:25.8/19

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

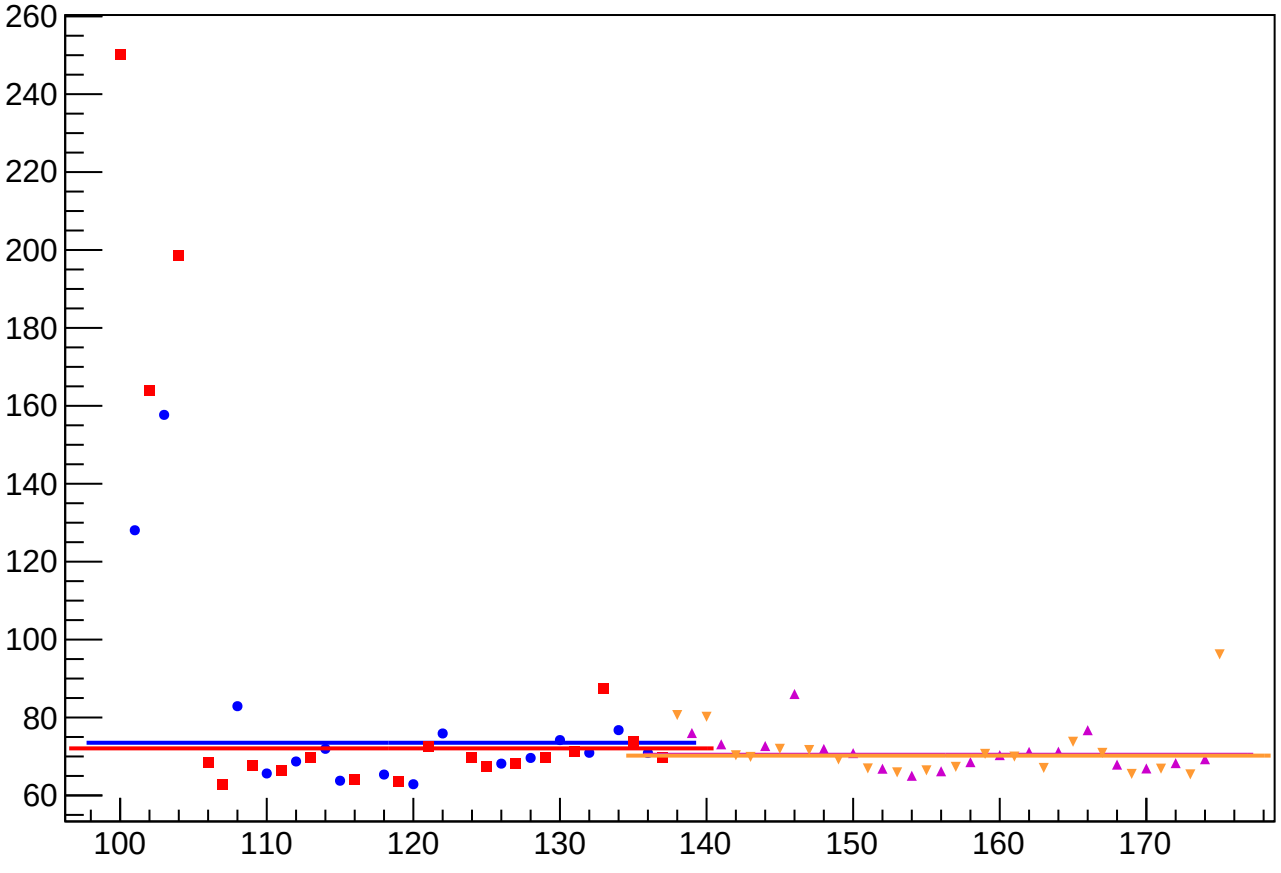
Left In: -102.610+/-18.350 χ^2/NDF:29.0/17

+ sign 58.969+/-15.005 χ^2/NDF: 54.8/35

All: 0.287+/-10.694 χ^2/NDF: 169.2/72

- sign -60.298+/-15.246 χ^2/NDF: 83.3/36

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.218+/-0.013 χ^2/NDF:218976.6/19

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

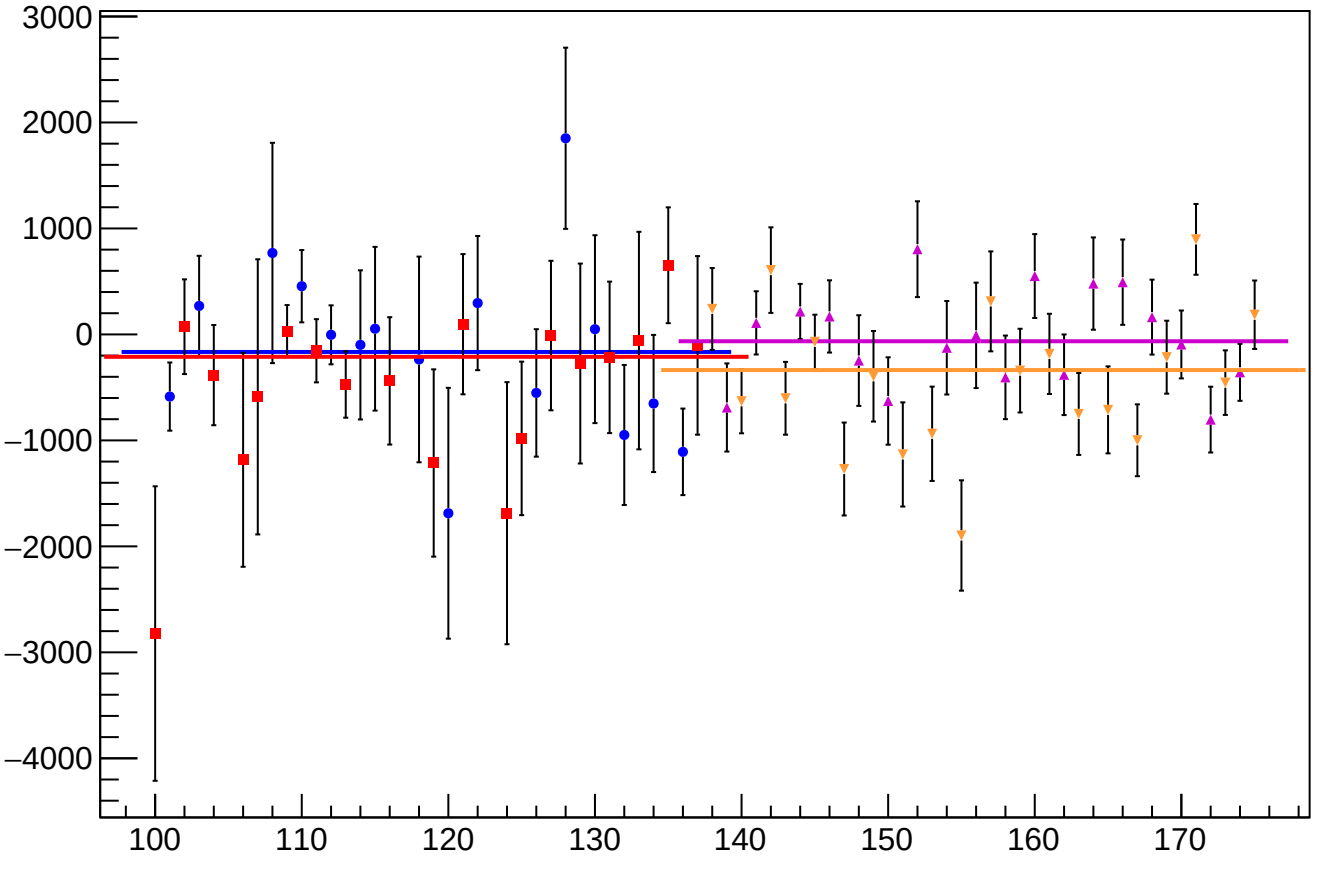
Left In: 70.437+/-0.013 χ^2/NDF:114585.4/17

+ sign 71.160+/-0.011 χ^2/NDF: 895561.5/35

All: 71.054+/-0.008 χ^2/NDF: 1973771.9/72

- sign 70.944+/-0.011 χ^2/NDF: 1078006.2/36

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -336.530+/-82.200 χ^2/NDF:52.7/19

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

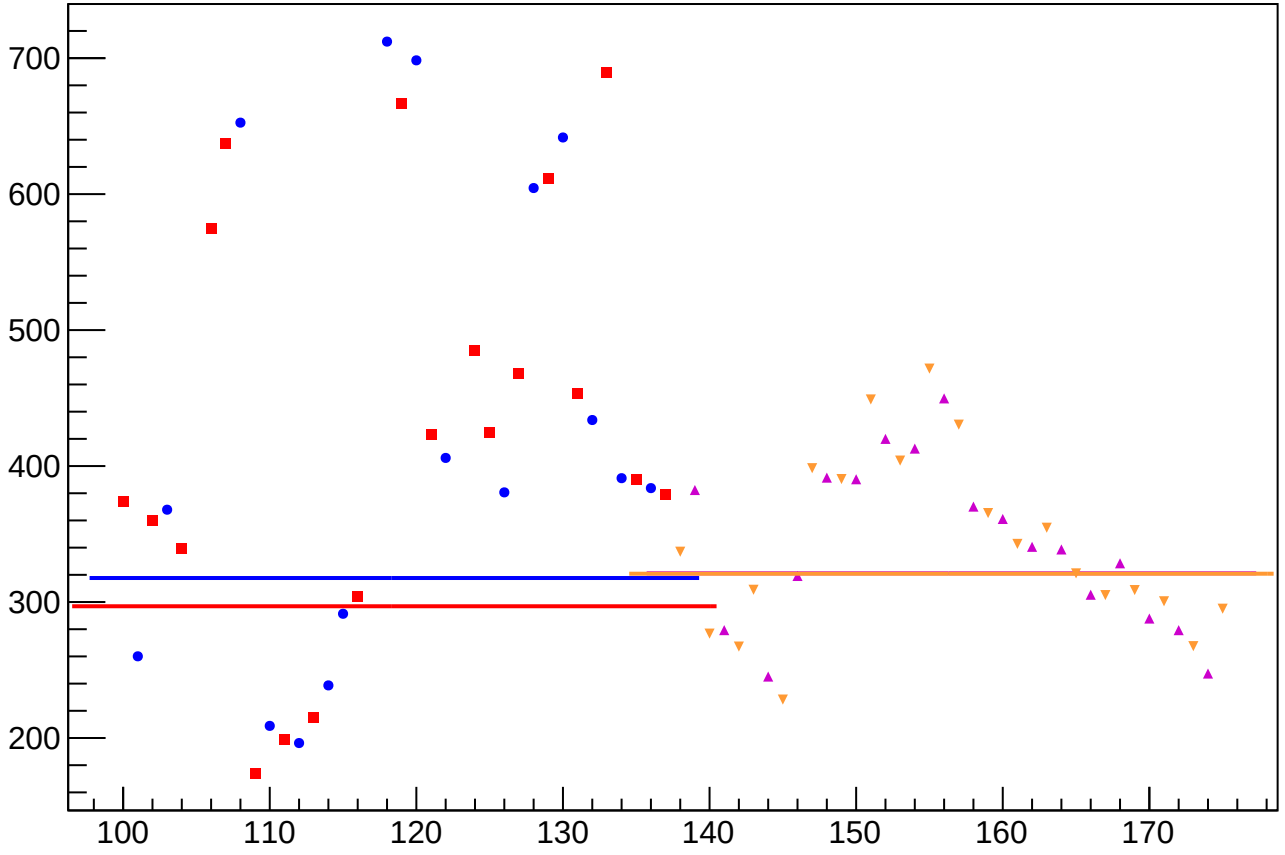
Left In: -64.518+/-84.858 χ^2/NDF:24.6/17

+ sign -286.832+/-69.235 χ^2/NDF: 76.6/35

All: -200.207+/-48.982 χ^2/NDF: 118.9/72

- sign -113.399+/-69.308 χ^2/NDF: 39.2/36

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 320.822+/-0.058 χ^2/NDF:1077308.2/19

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

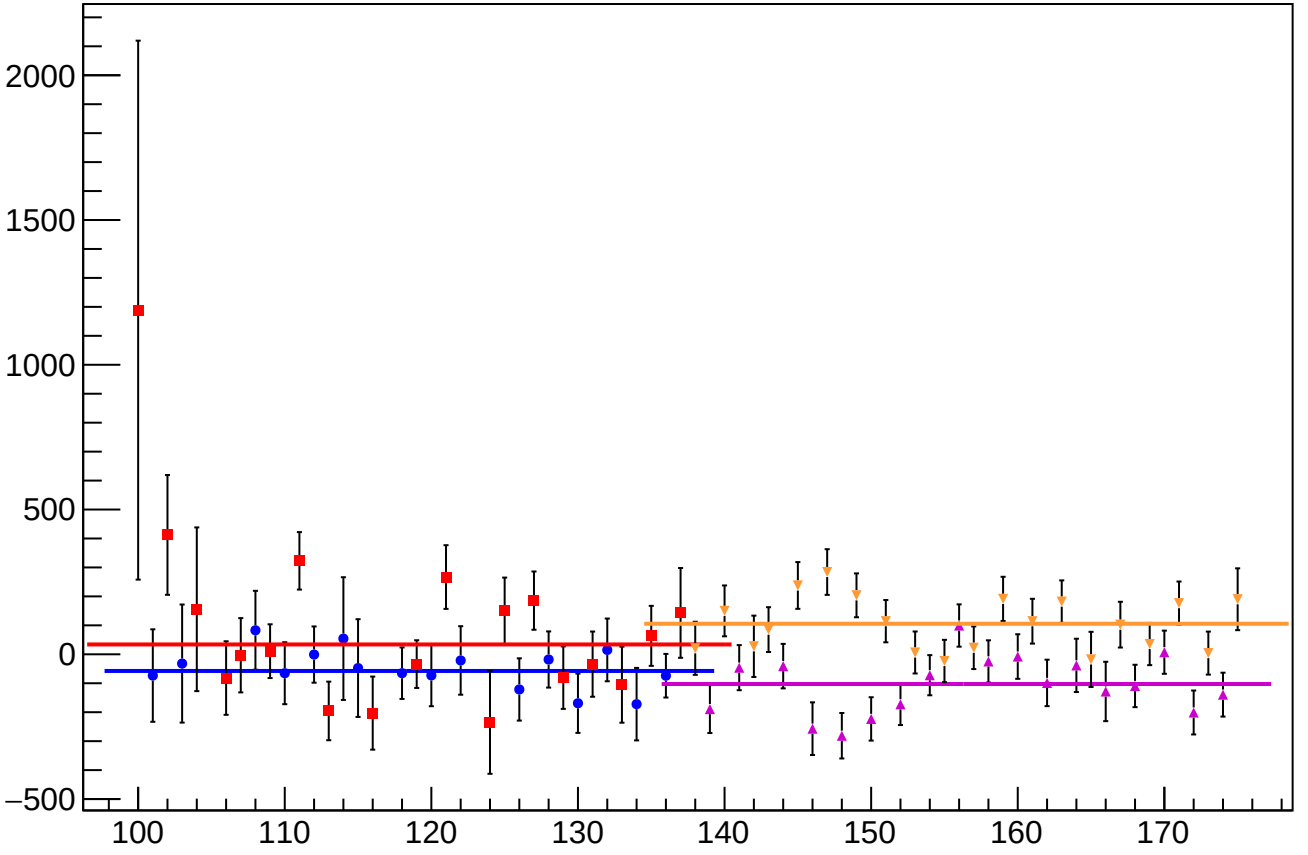
Left In: 321.130+/-0.060 χ^2/NDF:950432.4/17

+ sign 319.905+/-0.049 χ^2/NDF: 3214359.0/35

All: 316.486+/-0.035 χ^2/NDF: 6769933.2/72

- sign 313.059+/-0.049 χ^2/NDF: 3545809.4/36

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 105.498+/-17.750 χ^2/NDF:25.8/19

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

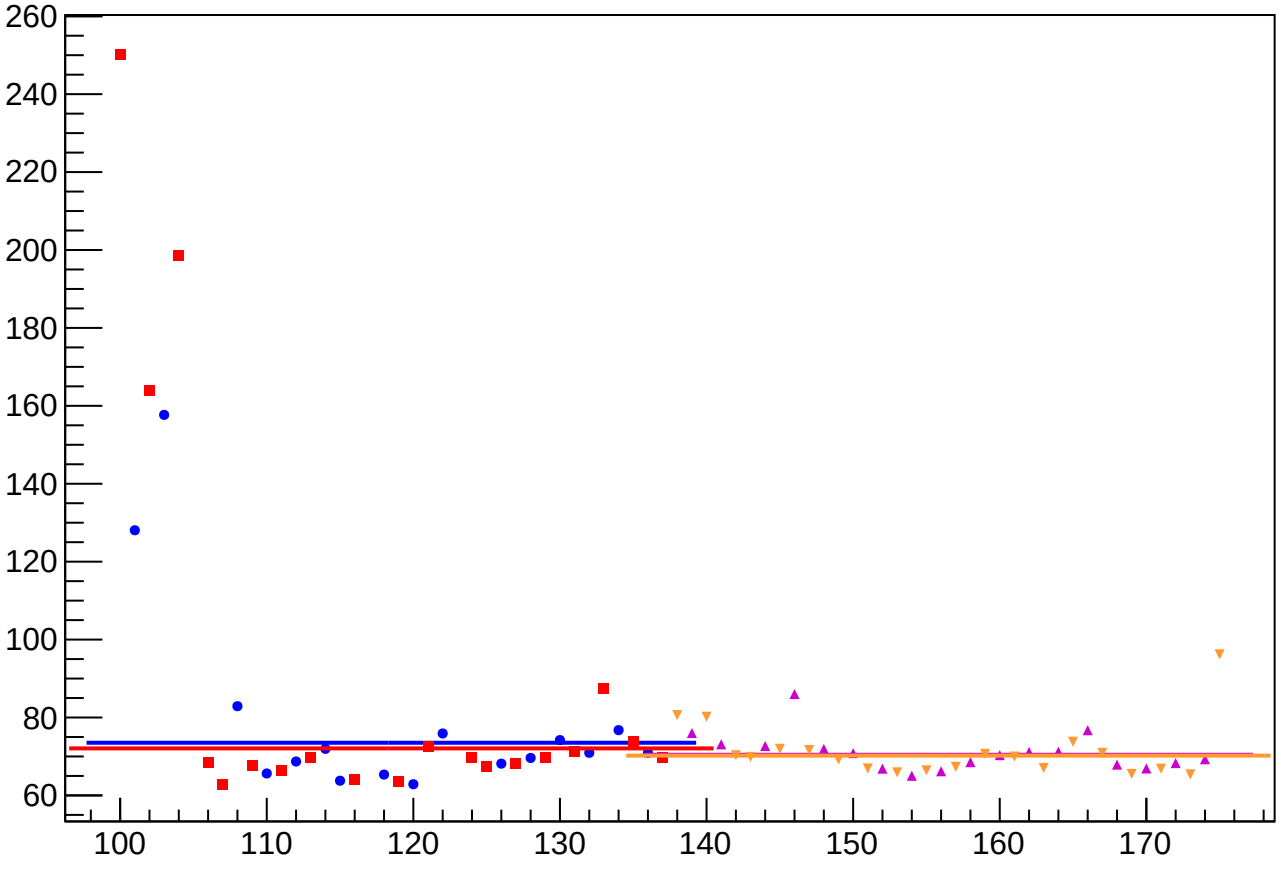
Left In: -102.610+/-18.350 χ^2/NDF:29.0/17

+ sign 58.969+/-15.005 χ^2/NDF: 54.8/35

All: 0.288+/-10.694 χ^2/NDF: 169.2/72

- sign -60.297+/-15.246 χ^2/NDF: 83.3/36

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.218+/-0.013 χ^2/NDF:218975.9/19

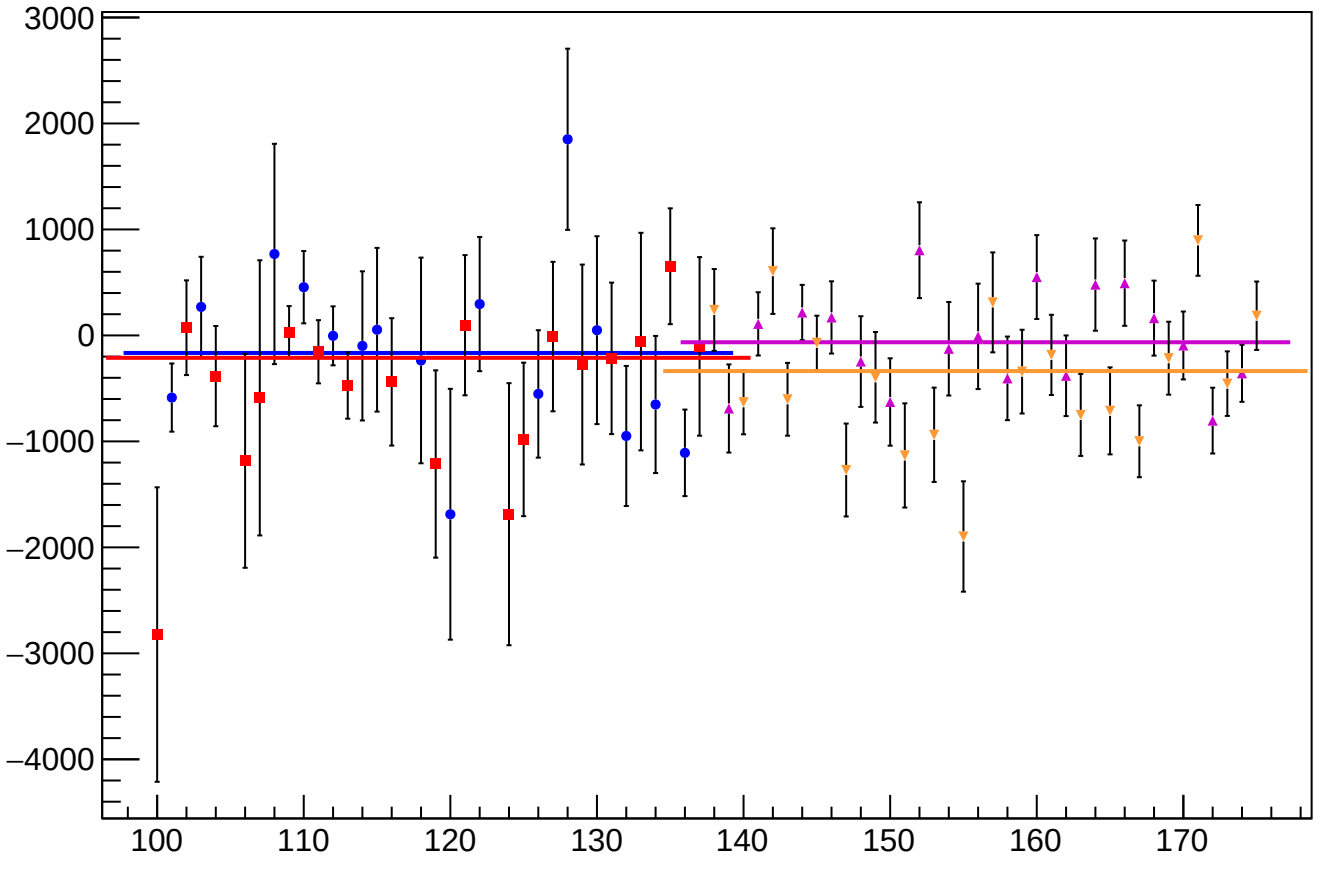
Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 70.438+/-0.013 χ^2/NDF:114585.1/17

+ sign 71.160+/-0.011 χ^2/NDF: 895560.7/35

All: 71.054+/-0.008 χ^2/NDF: 1973771.3/72

- sign 70.944+/-0.011 χ^2/NDF: 1078006.5/36



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -336.530+/-82.200 χ^2/NDF:52.7/19

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

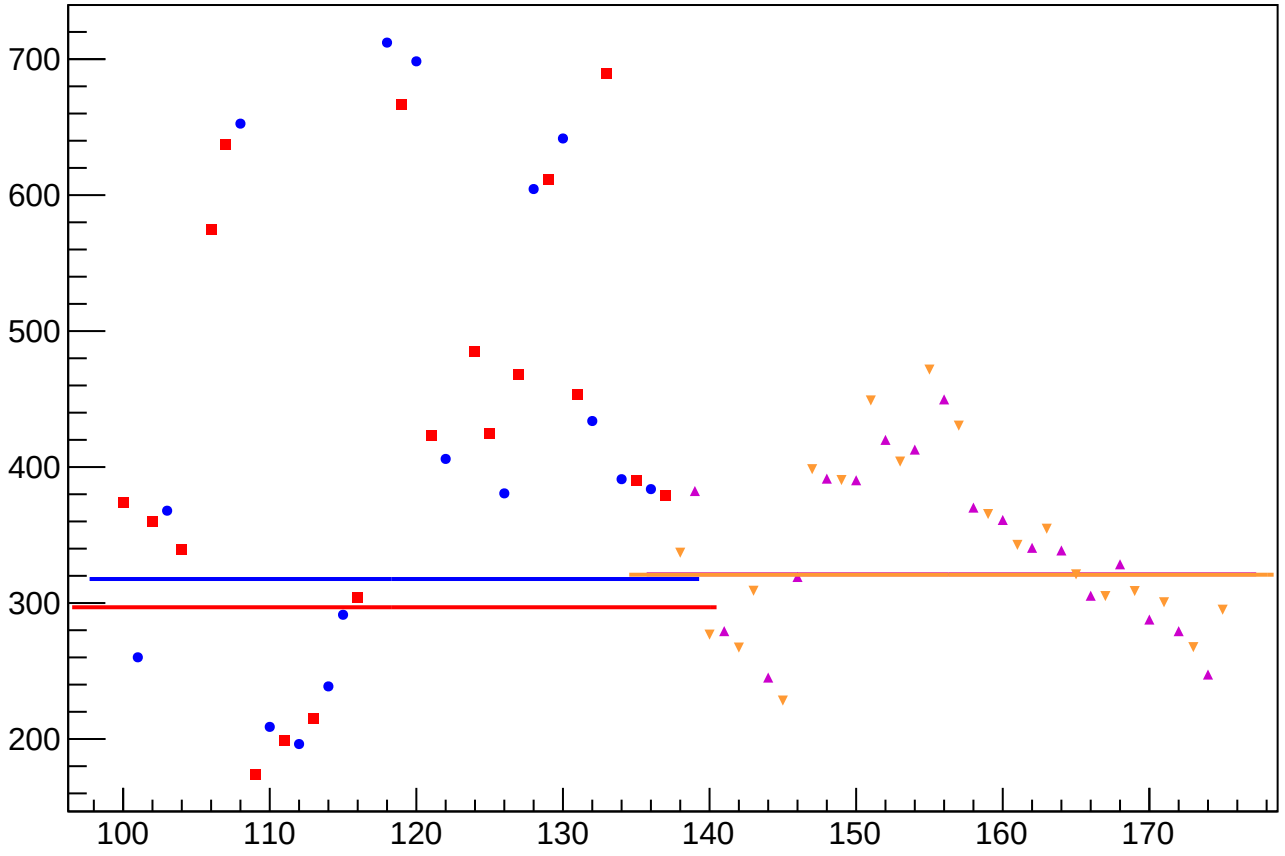
Left In: -64.517+/-84.858 χ^2/NDF:24.6/17

\+ sign -286.831+/-69.235 χ^2/NDF: 76.6/35

All: -200.207+/-48.982 χ^2/NDF: 118.9/72

\- sign -113.399+/-69.308 χ^2/NDF: 39.2/36

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 320.822+/-0.058 χ^2/NDF:1077313.6/19

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

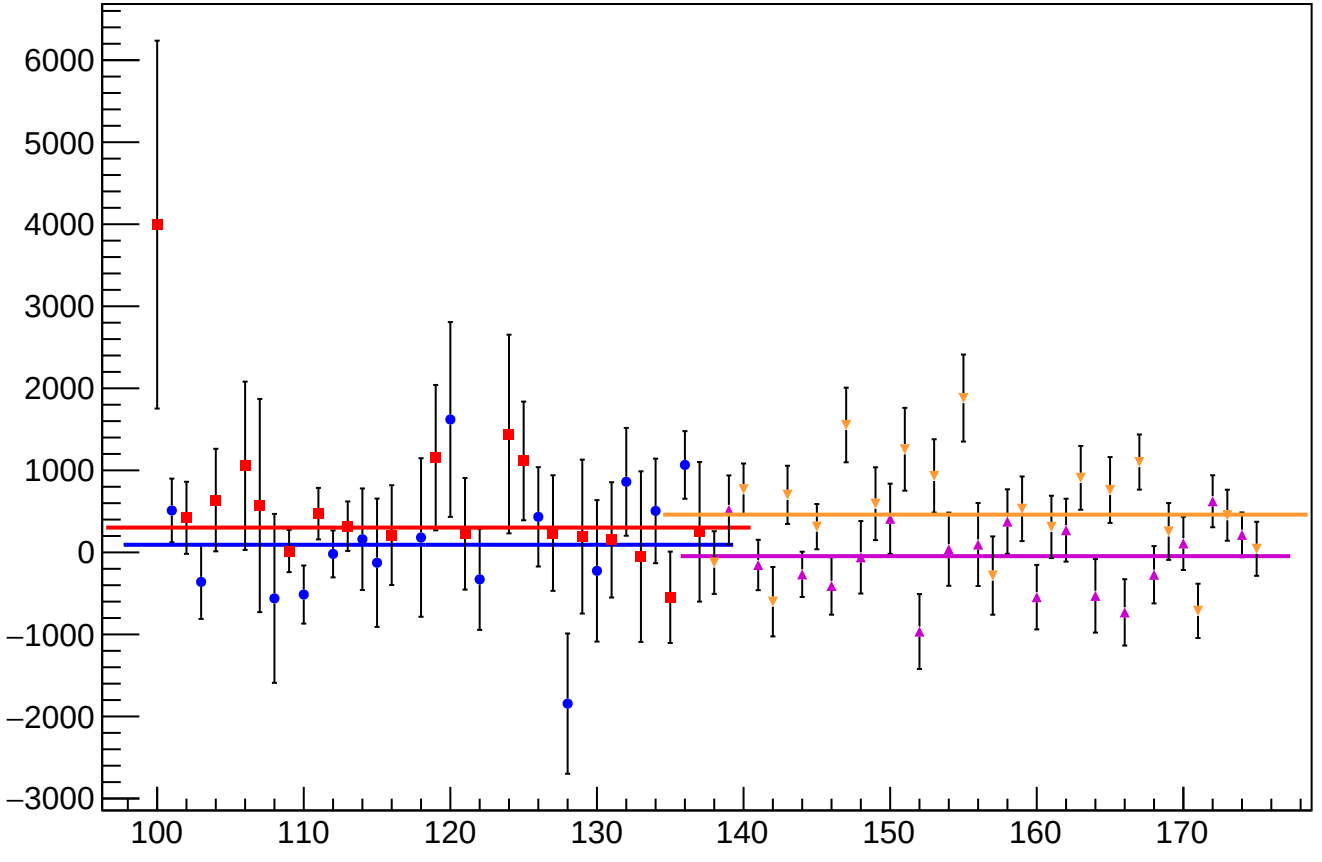
Left In: 321.130+/-0.060 χ^2/NDF:950430.5/17

+ sign 319.904+/-0.049 χ^2/NDF: 3214397.3/35

All: 316.485+/-0.035 χ^2/NDF: 6769987.5/72

- sign 313.059+/-0.049 χ^2/NDF: 3545826.4/36

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 460.511+/-83.749 χ^2/NDF:49.7/19

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

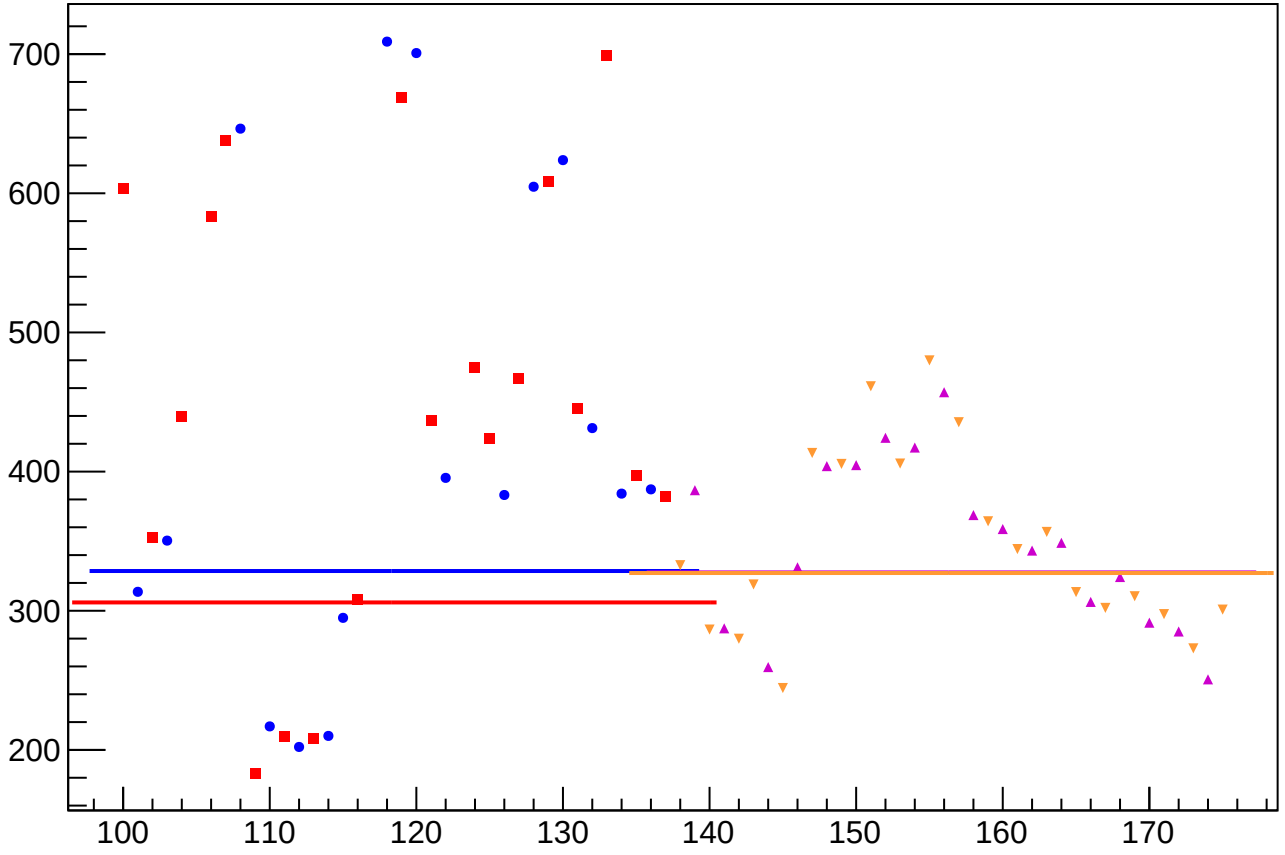
Left In: -45.812+/-86.440 χ^2/NDF:22.4/17

+ sign 354.892+/-70.706 χ^2/NDF: 76.0/35

All: 211.892+/-50.063 χ^2/NDF: 122.8/72

- sign 68.124+/-70.895 χ^2/NDF: 38.6/36

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 327.125+/-0.059 χ^2/NDF:987113.0/19

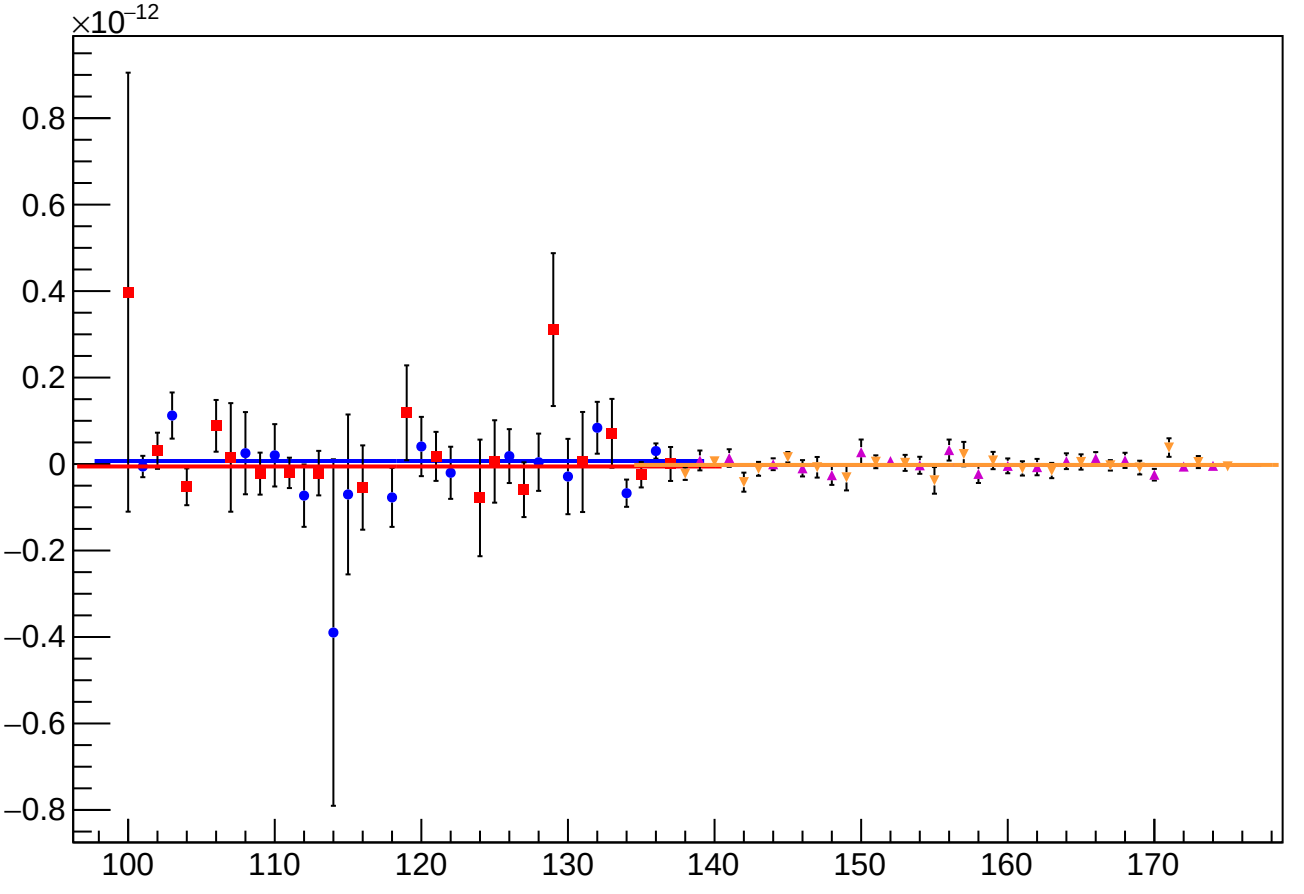
Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 327.587+/-0.061 χ^2/NDF:889799.3/17

+ sign 327.539+/-0.050 χ^2/NDF: 2946156.5/35

All: 324.038+/-0.035 χ^2/NDF: 6414129.7/72

- sign 320.517+/-0.050 χ^2/NDF: 3458136.5/36



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/19

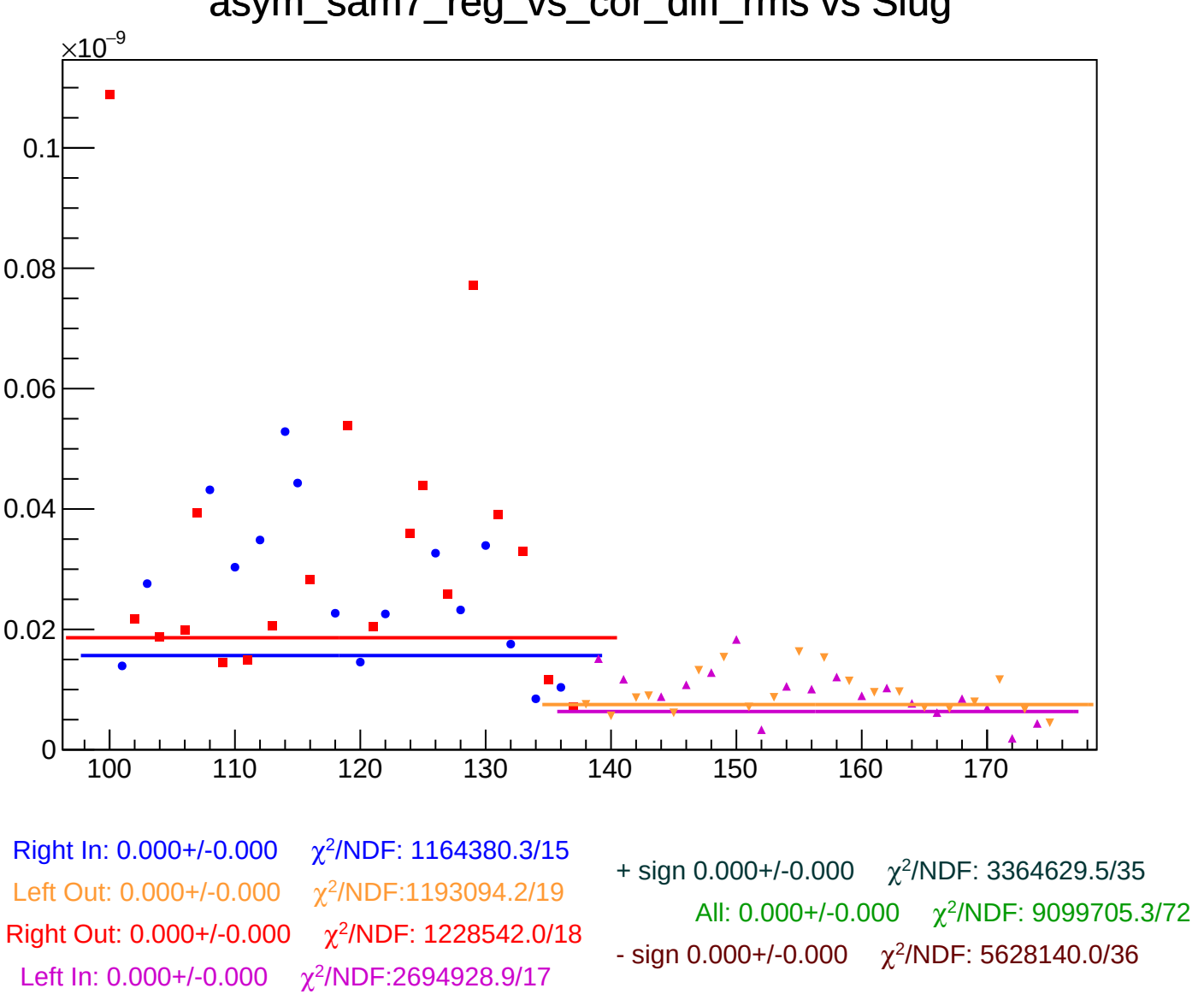
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:11.6/17

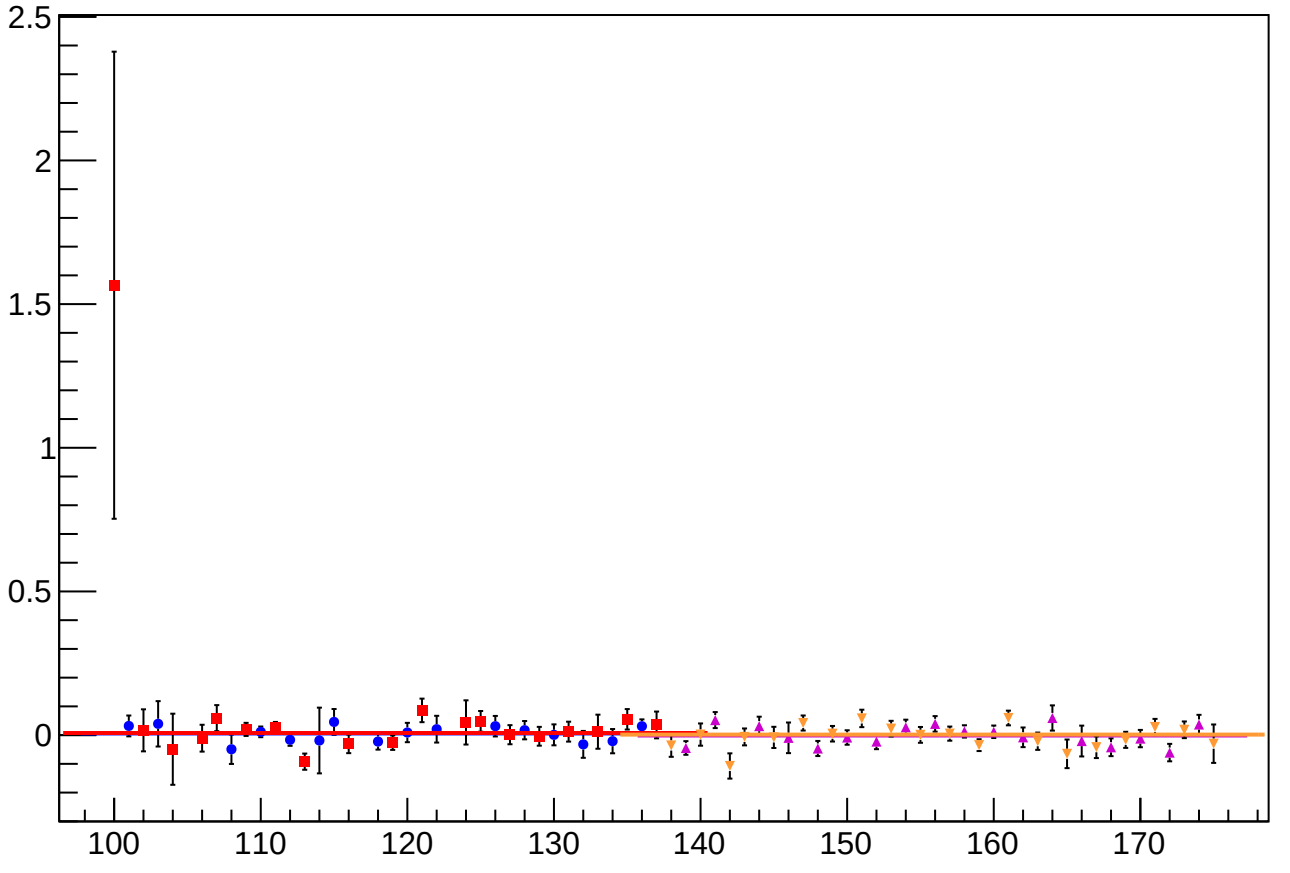
+ sign -0.000+/-0.000 χ^2/NDF: 35.3/35

All: -0.000+/-0.000 χ^2/NDF: 59.9/72

- sign -0.000+/-0.000 χ^2/NDF: 24.4/36


asym_sam7_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1164380.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1193094.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 1228542.0/18
Left In: 0.000+/-0.000 χ²/NDF:2694928.9/17
+ sign 0.000+/-0.000 χ²/NDF: 3364629.5/35
All: 0.000+/-0.000 χ²/NDF: 9099705.3/72
- sign 0.000+/-0.000 χ²/NDF: 5628140.0/36

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.5/19

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

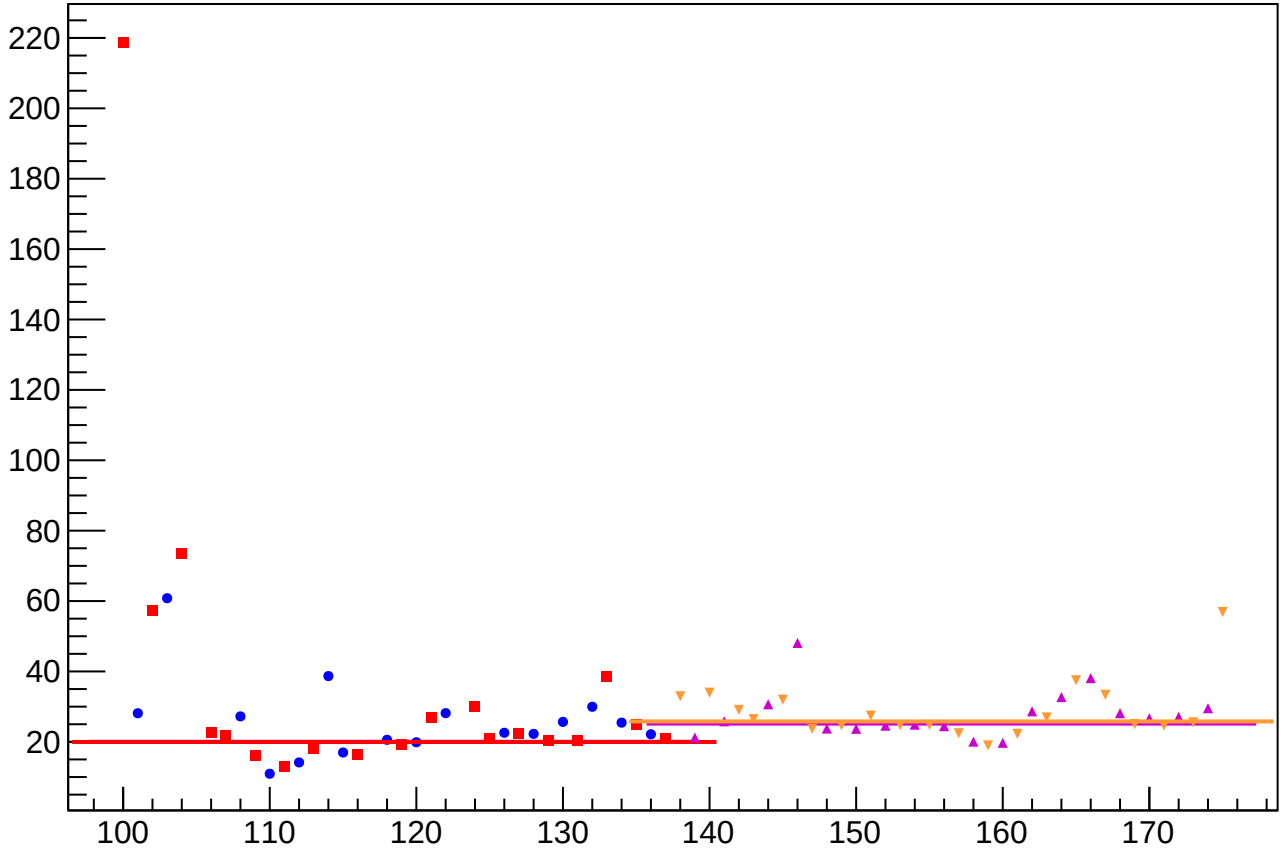
Left In: -0.001+/-0.007 χ^2/NDF:25.0/17

+ sign 0.003+/-0.005 χ^2/NDF: 35.5/35

All: 0.003+/-0.004 χ^2/NDF: 91.0/72

- sign 0.002+/-0.005 χ^2/NDF: 55.5/36

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.798+/-0.005 χ^2/NDF:1177074.6/19

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

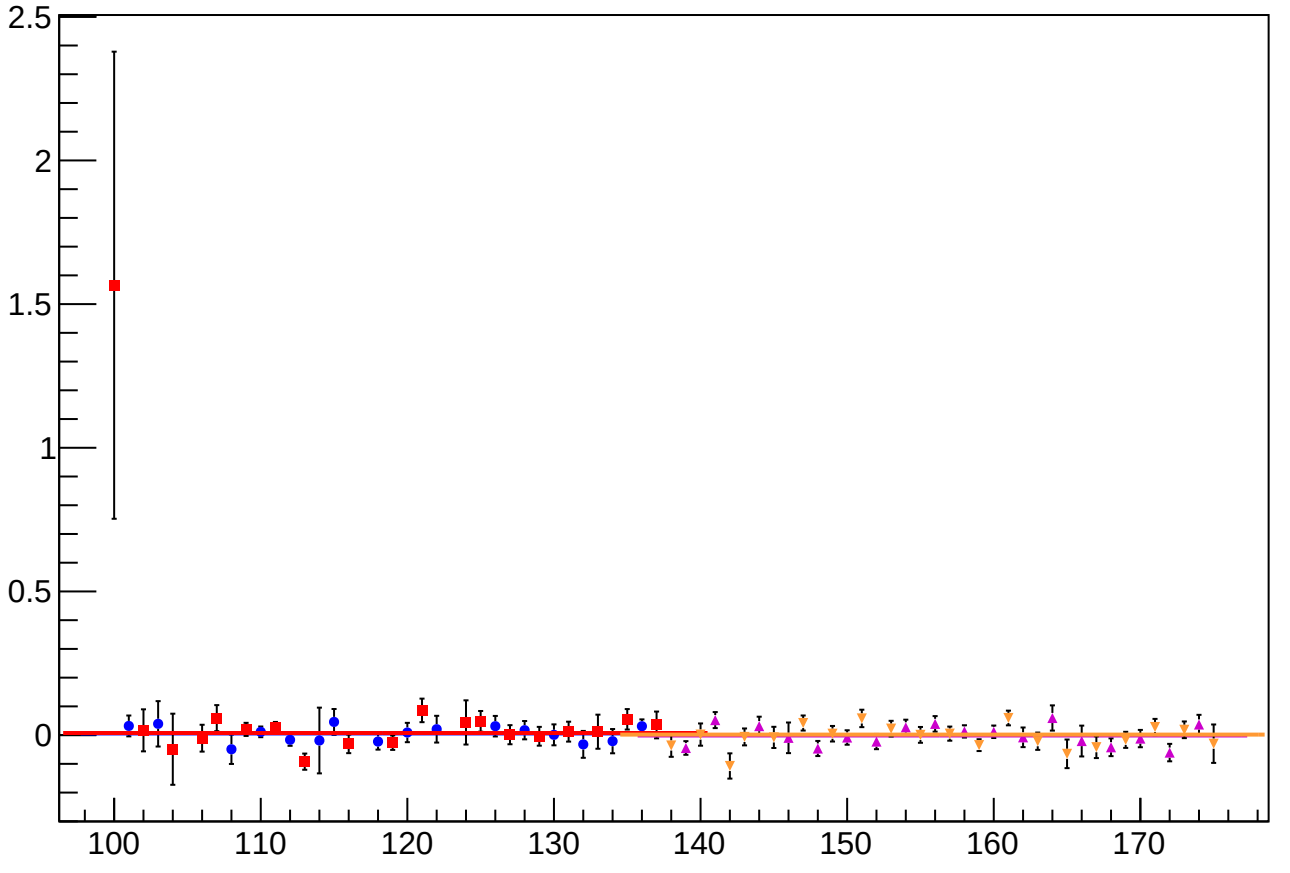
Left In: 25.178+/-0.005 χ^2/NDF:999041.8/17

+ sign 23.446+/-0.004 χ^2/NDF: 3417378.9/35

All: 23.235+/-0.003 χ^2/NDF: 6627209.9/72

- sign 23.024+/-0.004 χ^2/NDF: 3203250.0/36

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.5/19

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

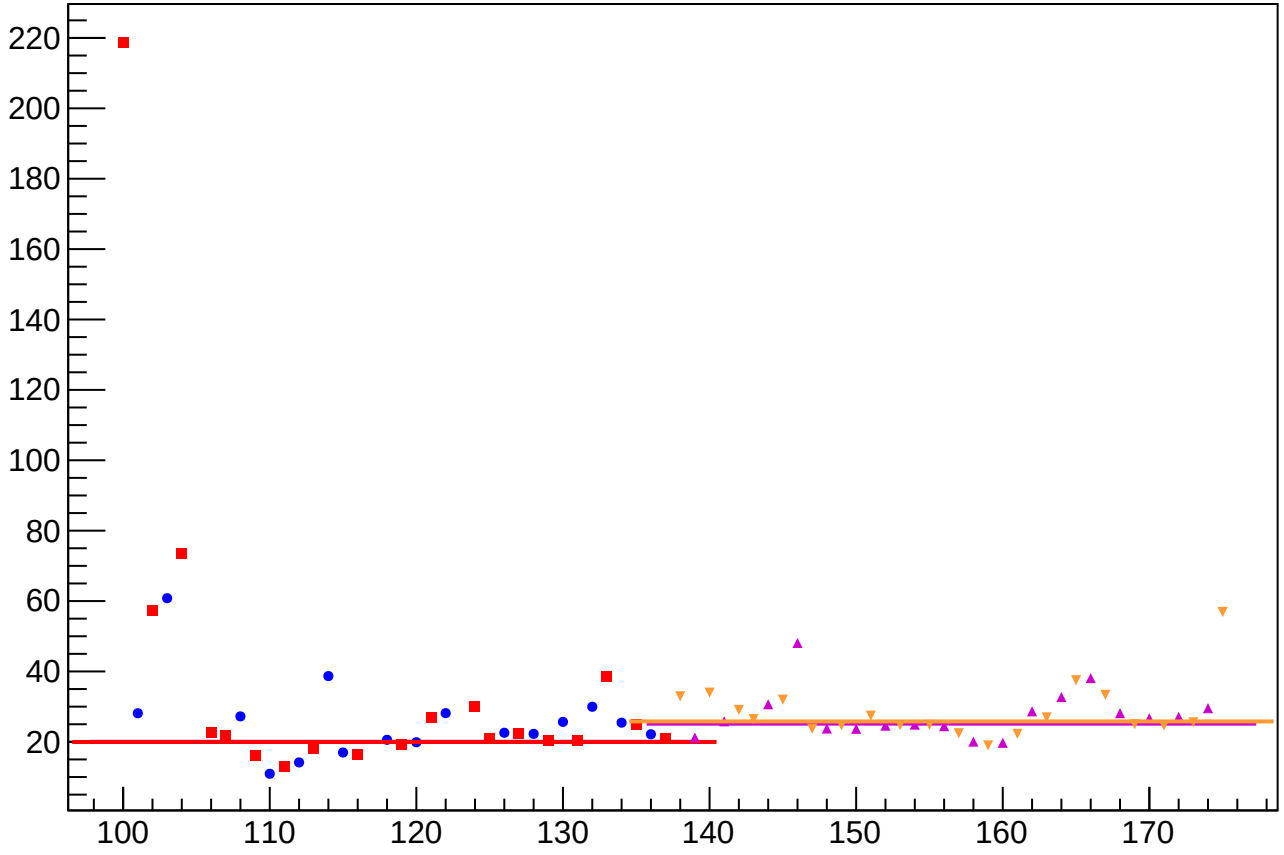
Left In: -0.001+/-0.007 χ^2/NDF:25.0/17

+ sign 0.003+/-0.005 χ^2/NDF: 35.5/35

All: 0.003+/-0.004 χ^2/NDF: 91.0/72

- sign 0.002+/-0.005 χ^2/NDF: 55.5/36

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.798+/-0.005 χ^2/NDF:1177074.6/19

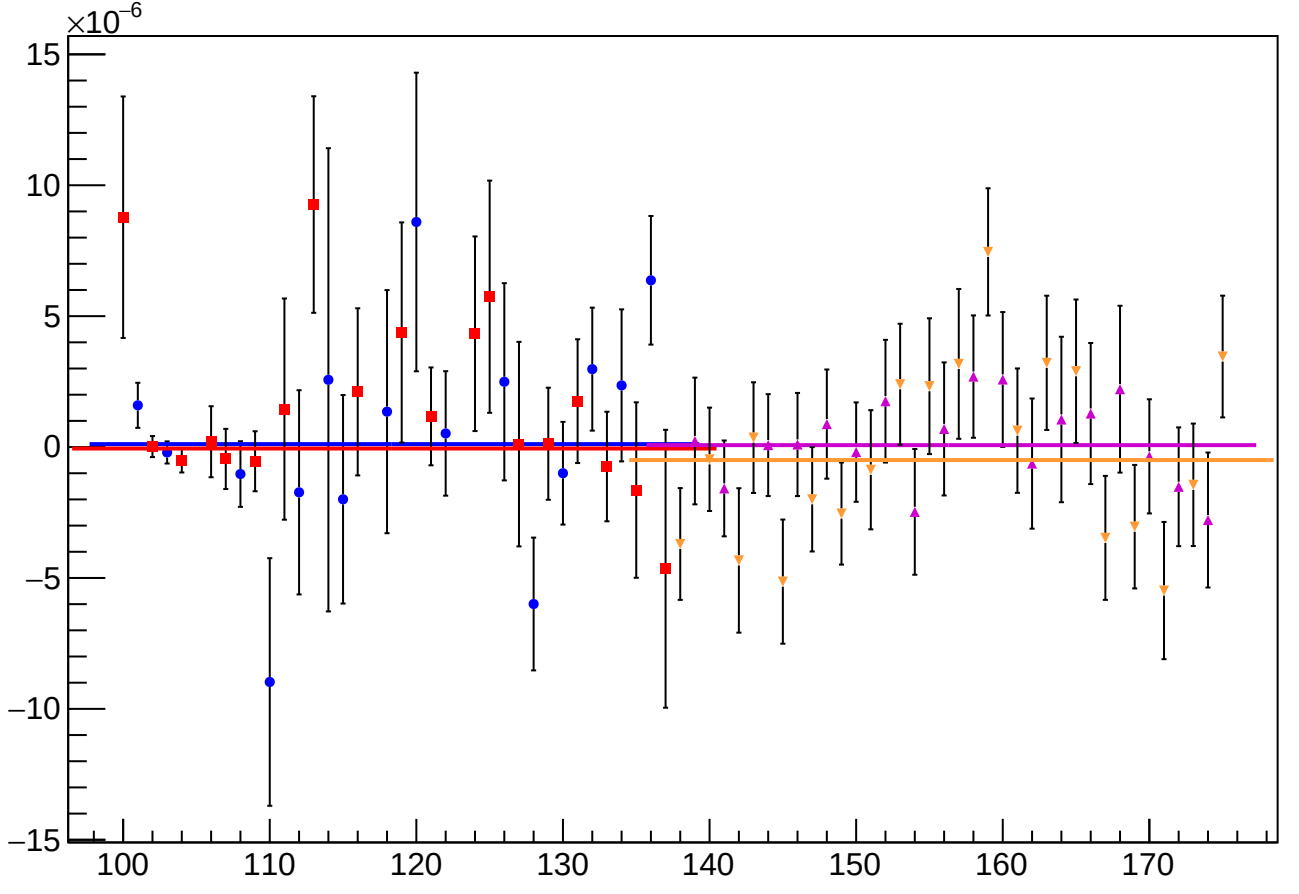
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.178+/-0.005 χ^2/NDF:999041.8/17

+ sign 23.446+/-0.004 χ^2/NDF: 3417378.9/35

All: 23.235+/-0.003 χ^2/NDF: 6627209.9/72

- sign 23.024+/-0.004 χ^2/NDF: 3203250.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

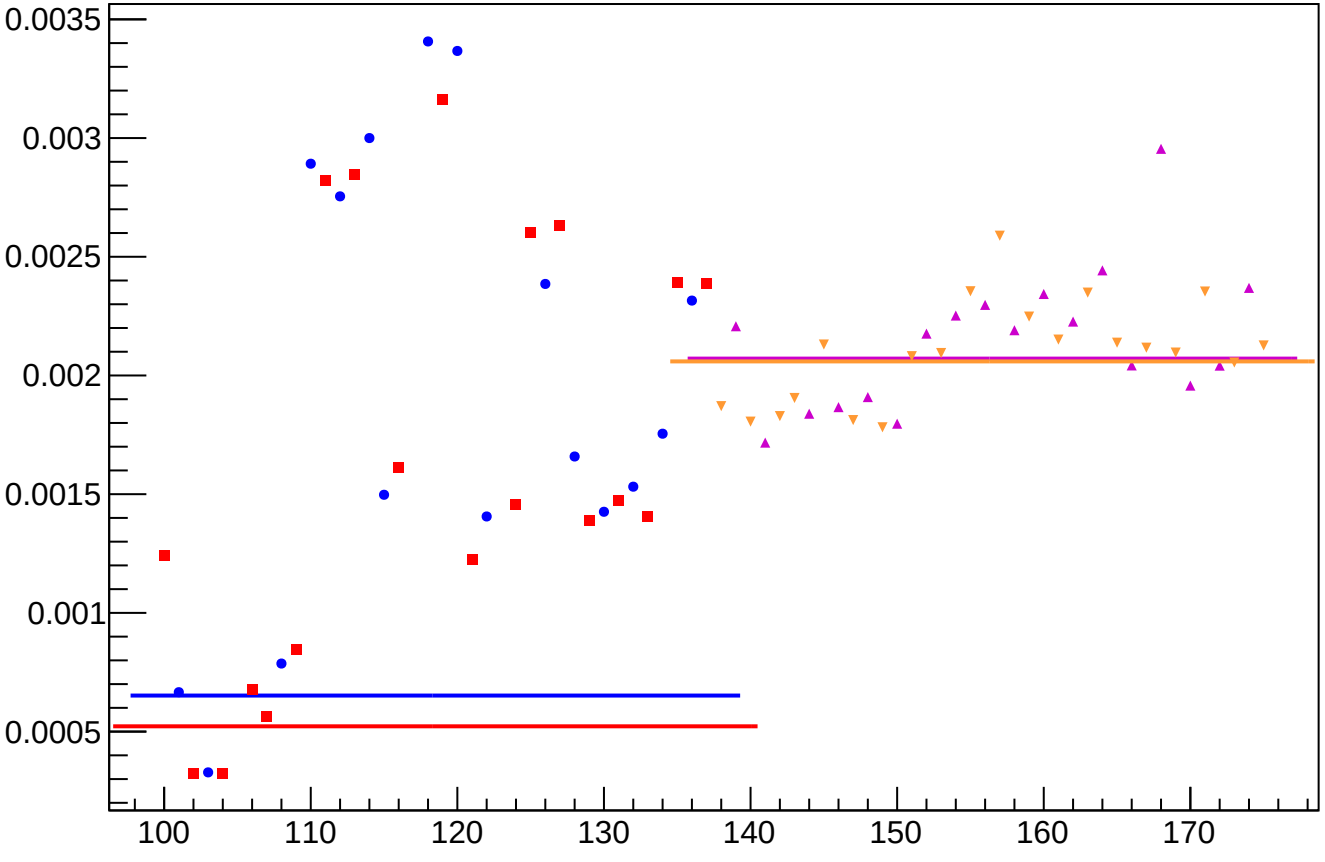
Left In: 0.000+/-0.000 χ^2/NDF:7.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 65.3/35

All: -0.000+/-0.000 χ^2/NDF: 89.9/72

- sign -0.000+/-0.000 χ^2/NDF: 24.6/36

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:312192.8/19

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

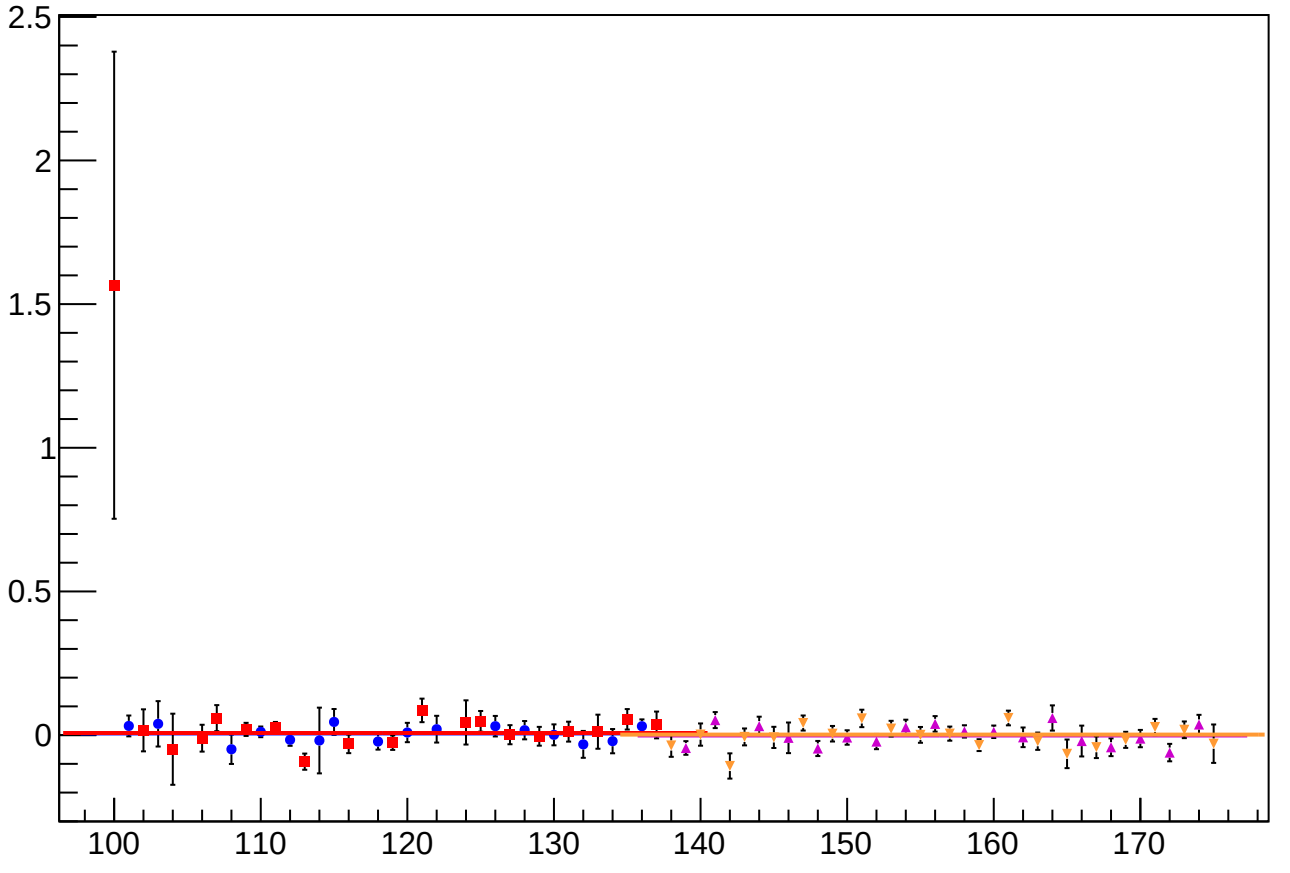
Left In: 0.002+/-0.000 χ^2/NDF:465791.0/17

\+ sign 0.001+/-0.000 χ^2/NDF: 17012915.5/35

All: 0.001+/-0.000 χ^2/NDF: 38320298.0/72

\- sign 0.001+/-0.000 χ^2/NDF: 20386677.8/36

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.5/19

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

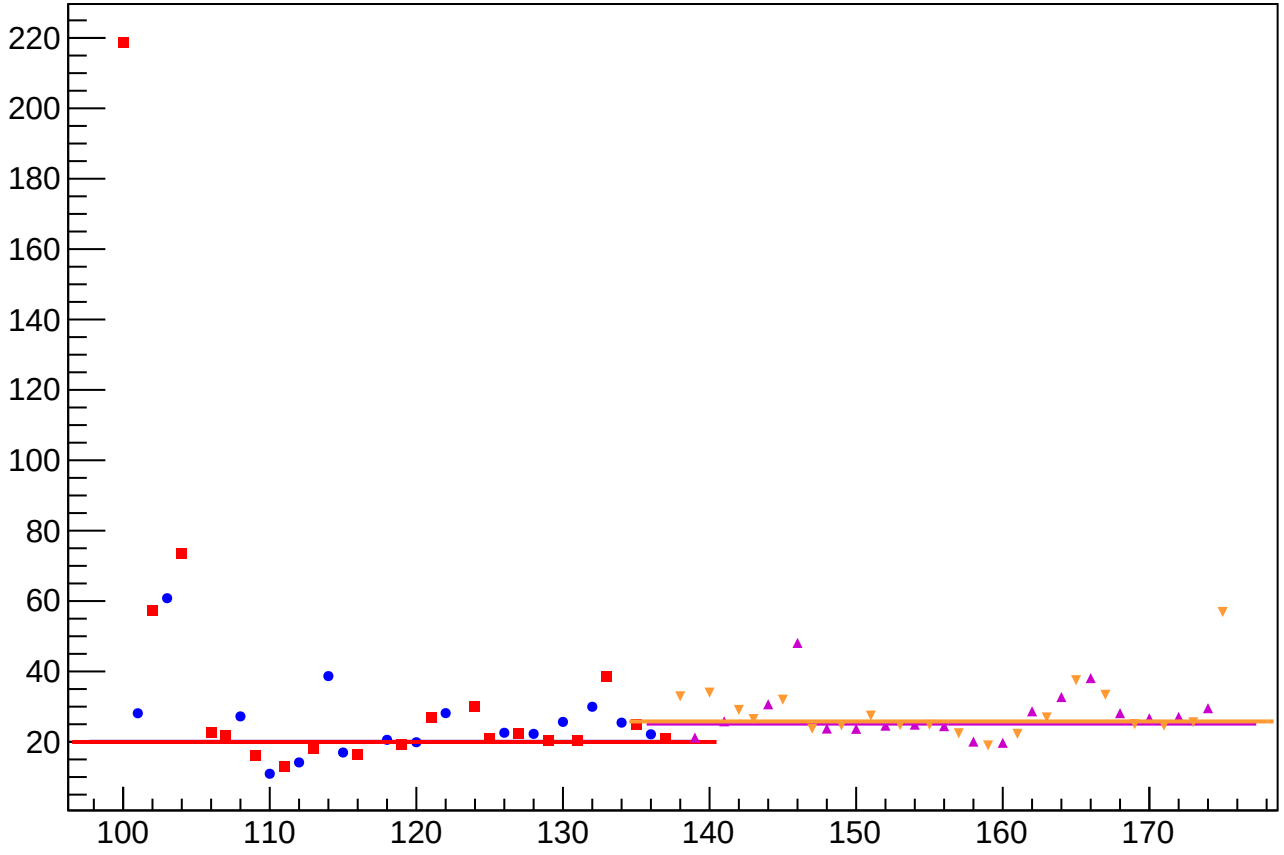
Left In: -0.001+/-0.007 χ^2/NDF:25.0/17

+ sign 0.003+/-0.005 χ^2/NDF: 35.5/35

All: 0.003+/-0.004 χ^2/NDF: 91.0/72

- sign 0.002+/-0.005 χ^2/NDF: 55.5/36

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.798+/-0.005 χ^2/NDF:1177121.5/19

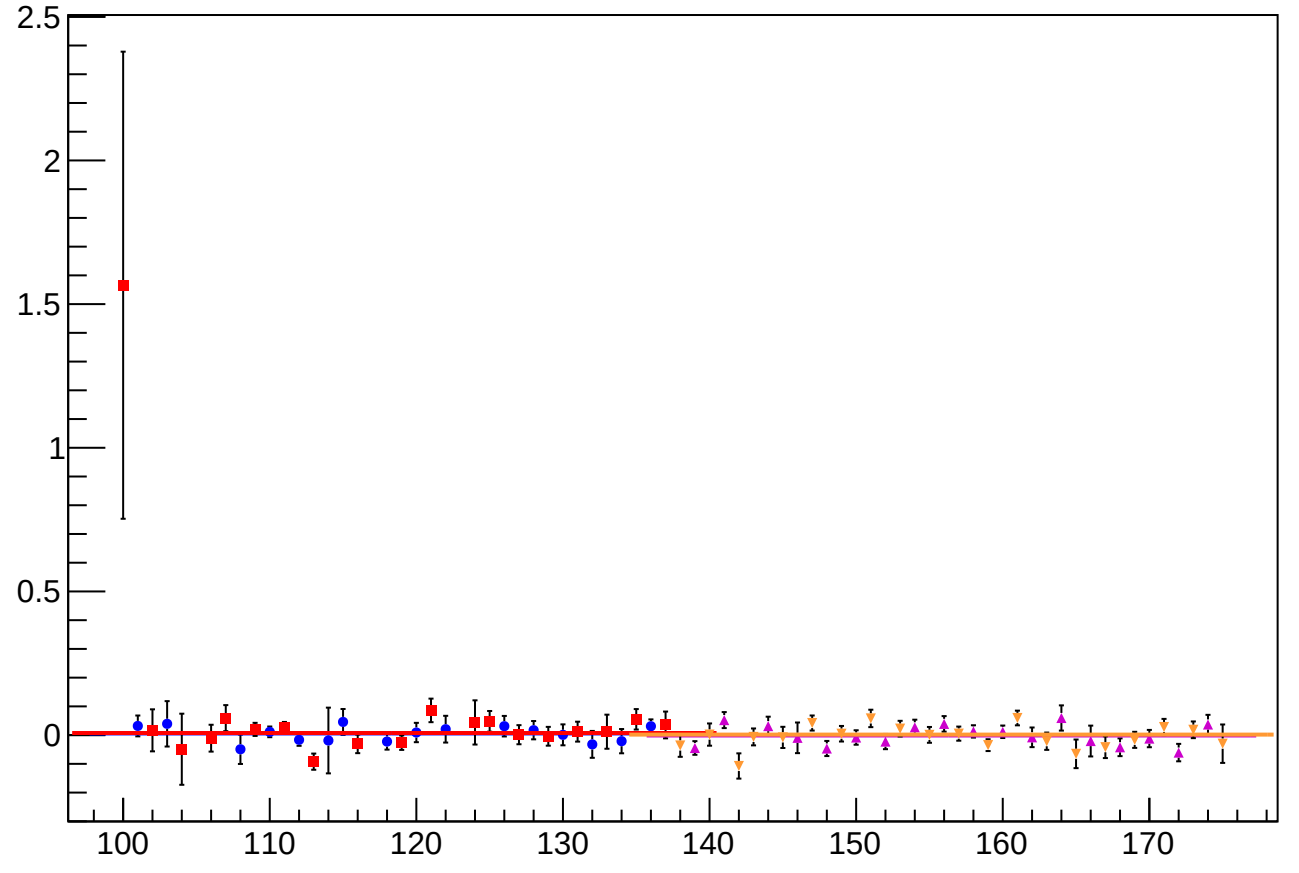
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.178+/-0.005 χ^2/NDF:999101.3/17

+ sign 23.447+/-0.004 χ^2/NDF: 3417141.9/35

All: 23.235+/-0.003 χ^2/NDF: 6626942.5/72

- sign 23.024+/-0.004 χ^2/NDF: 3203213.9/36



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.5/19

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

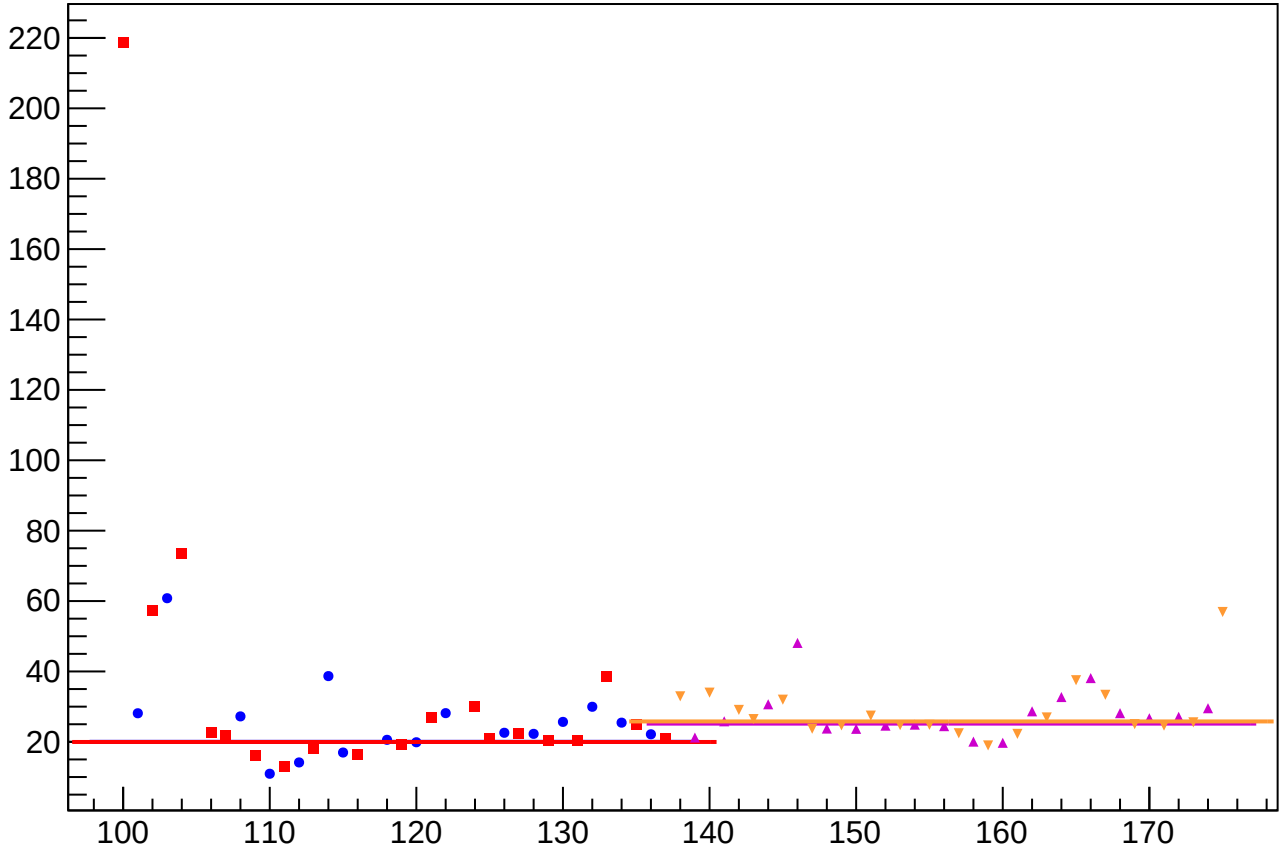
Left In: -0.001+/-0.007 χ^2/NDF:25.0/17

+ sign 0.003+/-0.005 χ^2/NDF: 35.5/35

All: 0.003+/-0.004 χ^2/NDF: 91.0/72

- sign 0.002+/-0.005 χ^2/NDF: 55.5/36

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.798+/-0.005 χ^2/NDF:1177121.5/19

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

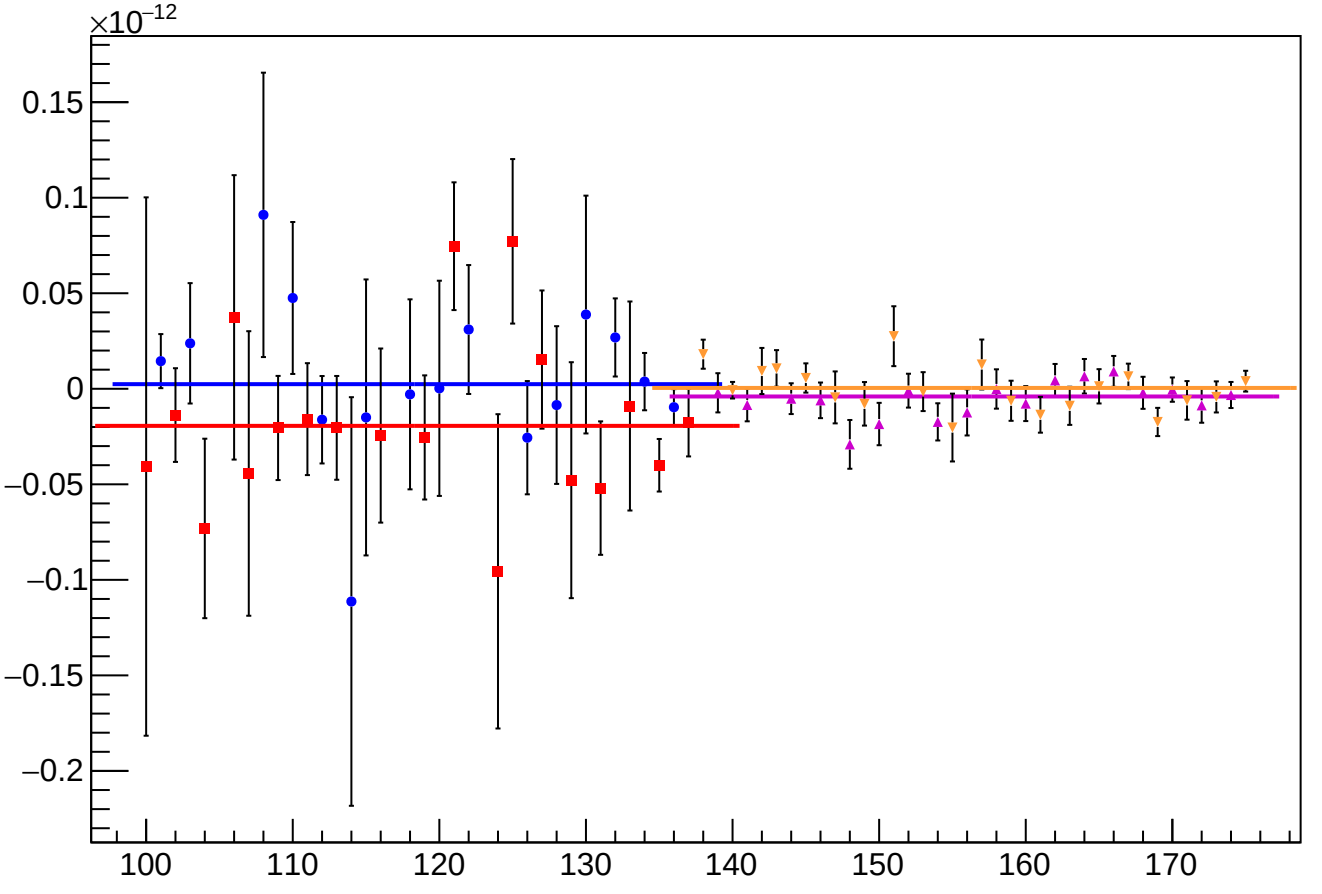
Left In: 25.178+/-0.005 χ^2/NDF:999101.3/17

+ sign 23.447+/-0.004 χ^2/NDF: 3417141.9/35

All: 23.235+/-0.003 χ^2/NDF: 6626942.5/72

- sign 23.024+/-0.004 χ^2/NDF: 3203213.9/36

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.9/19

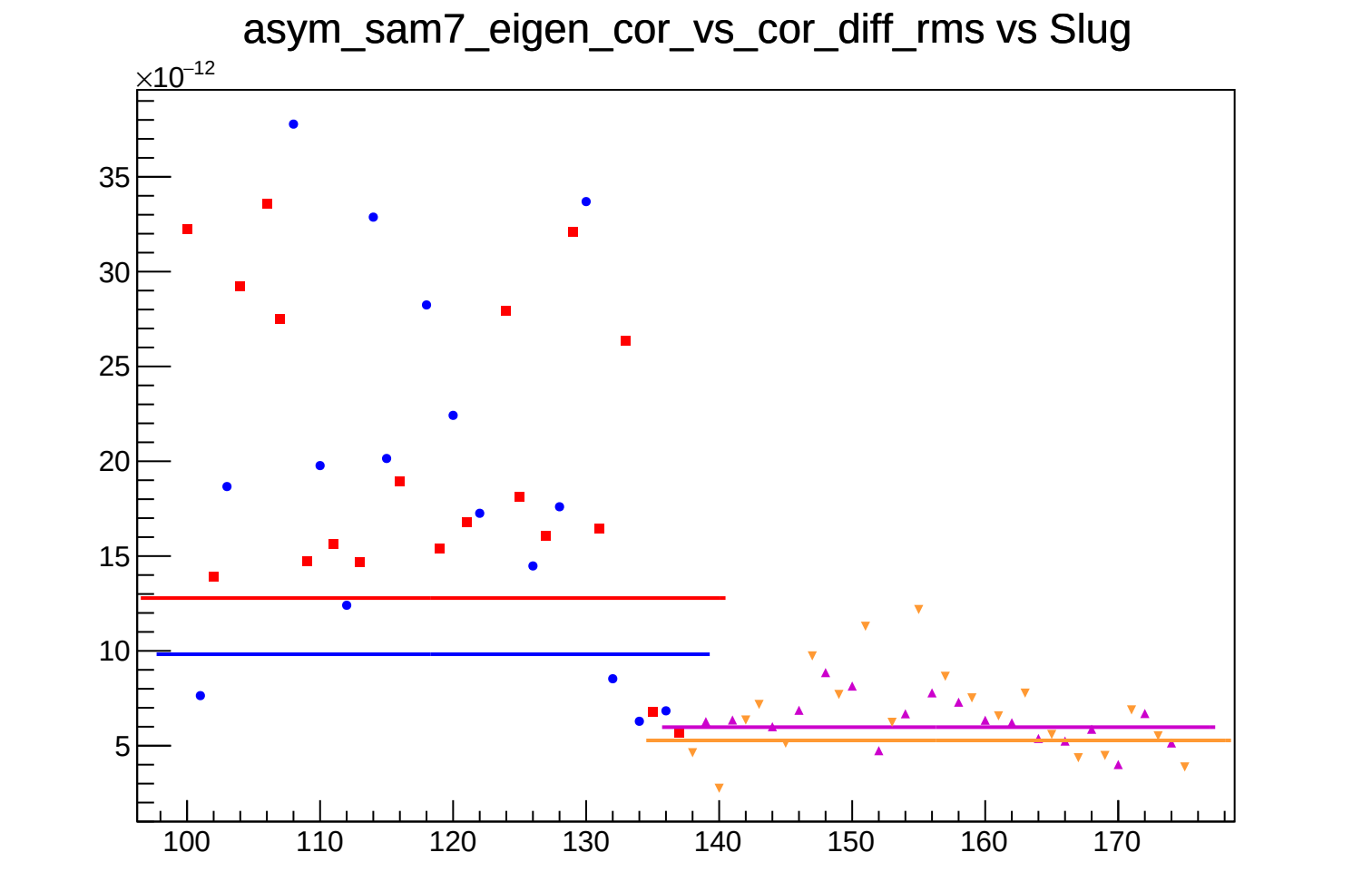
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:14.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 35.8/35

All: -0.000+/-0.000 χ^2/NDF: 79.6/72

- sign -0.000+/-0.000 χ^2/NDF: 38.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2341430.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

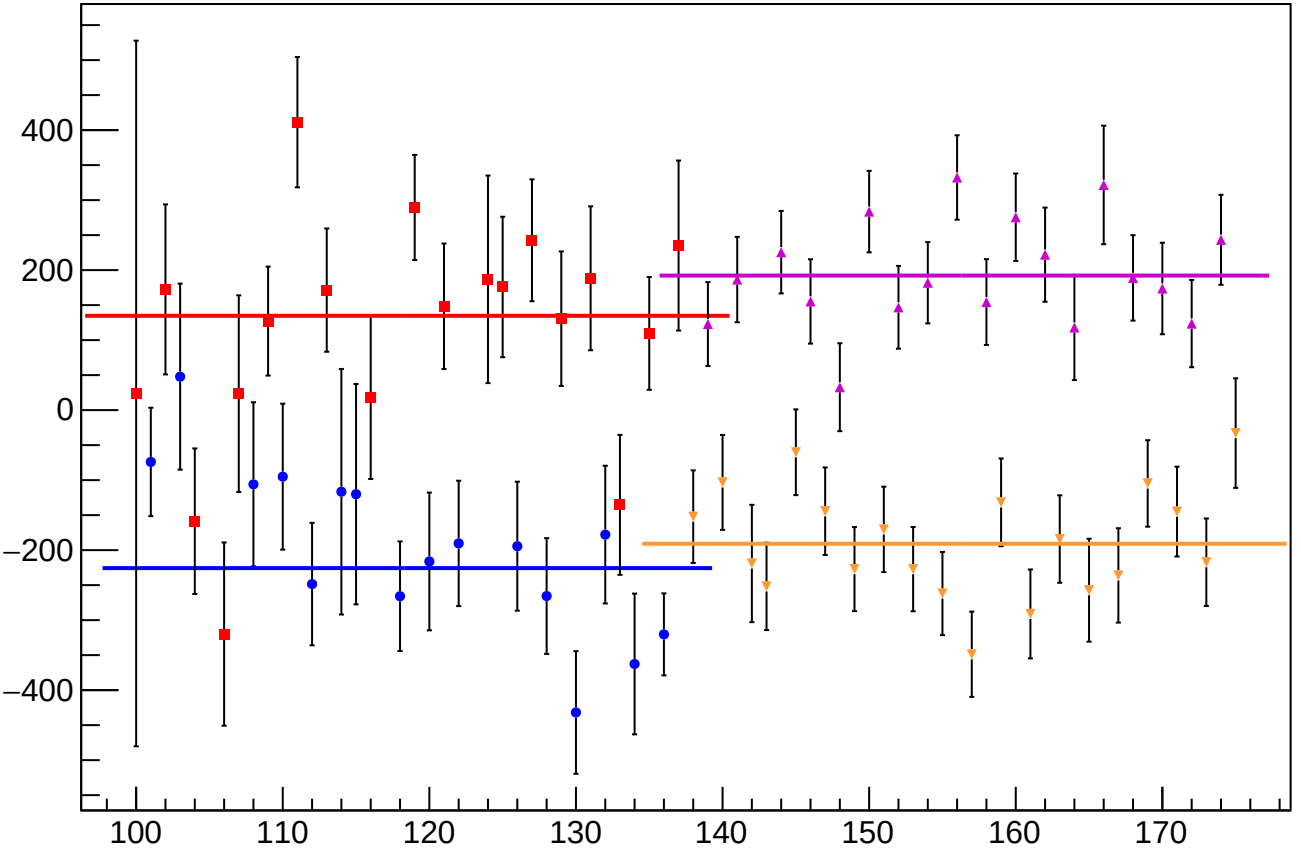
Left In: 0.000+/-0.000 χ^2/NDF:593870.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 5460680.5/35

All: 0.000+/-0.000 χ^2/NDF: 9744477.4/72

- sign 0.000+/-0.000 χ^2/NDF: 4103848.1/36

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -190.847+/-14.387 χ^2/NDF:28.5/19

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

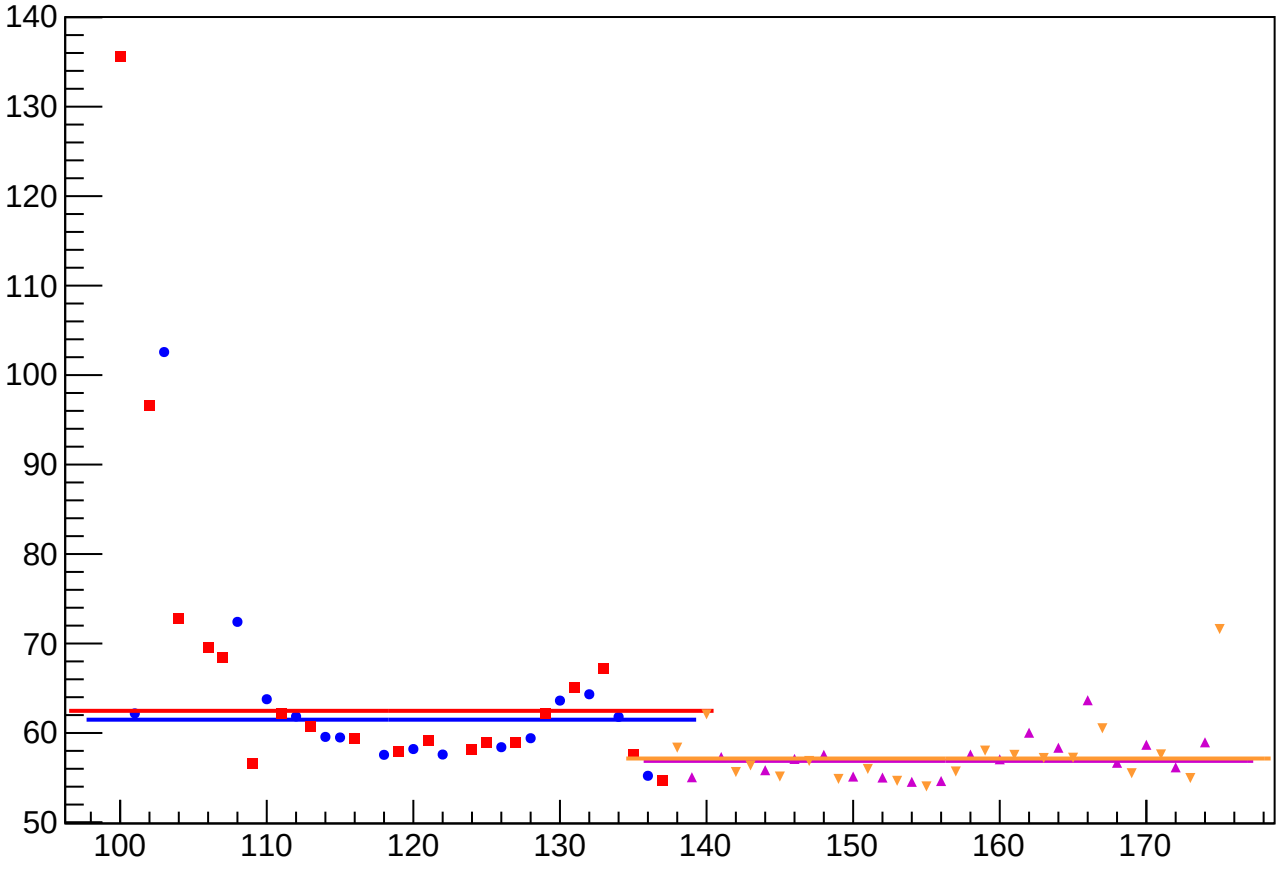
Left In: 192.221+/-14.777 χ^2/NDF:24.6/17

+ sign -200.575+/-12.215 χ^2/NDF: 52.8/35

All: -16.247+/-8.723 χ^2/NDF: 591.8/72

- sign 175.629+/-12.463 χ^2/NDF: 74.2/36

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 57.147+/-0.010 χ^2/NDF:105973.3/19

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

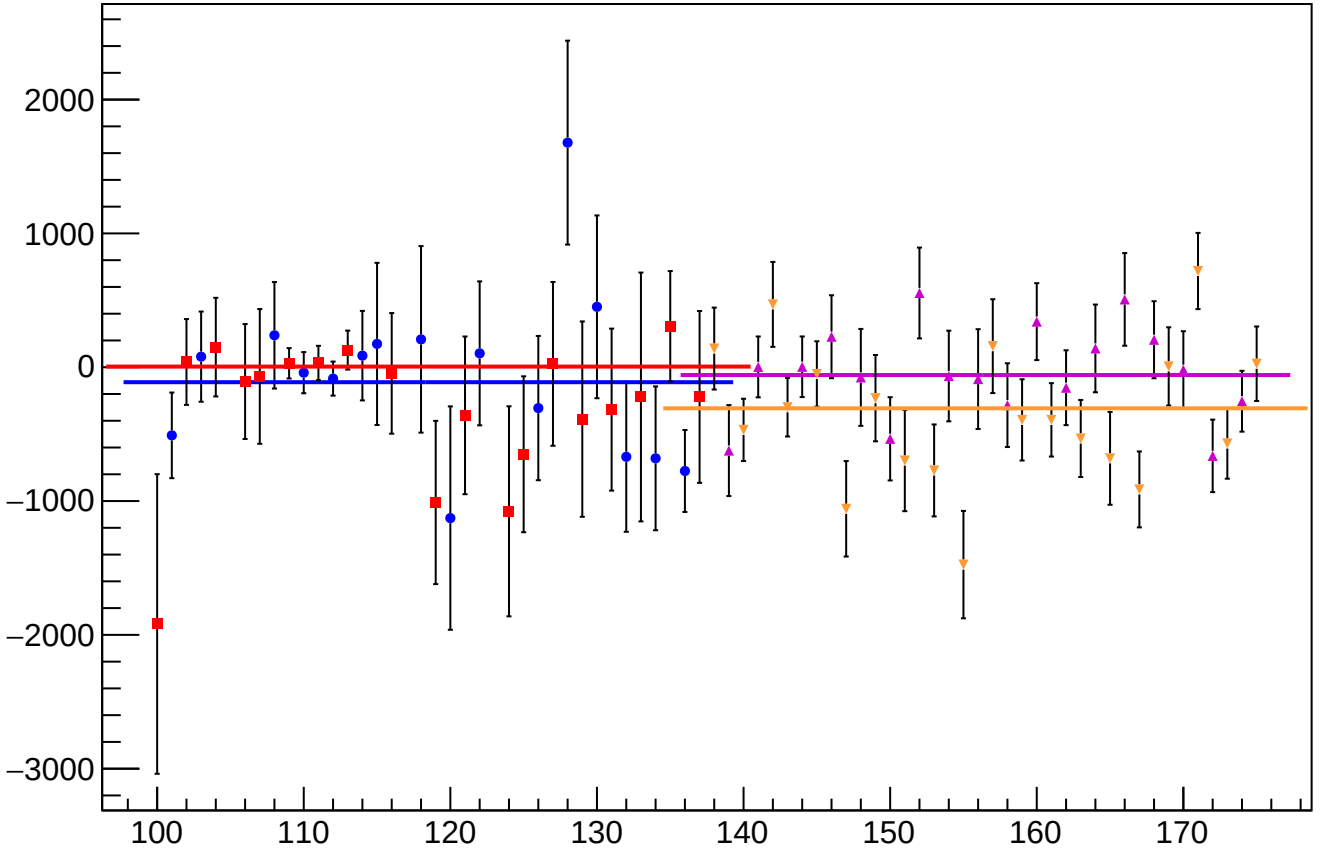
Left In: 56.883+/-0.010 χ^2/NDF:34820.5/17

+ sign 58.358+/-0.009 χ^2/NDF: 407429.7/35

All: 58.426+/-0.006 χ^2/NDF: 806261.6/72

- sign 58.498+/-0.009 χ^2/NDF: 398703.9/36

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -306.782+/-65.616 χ^2/NDF:50.4/19

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

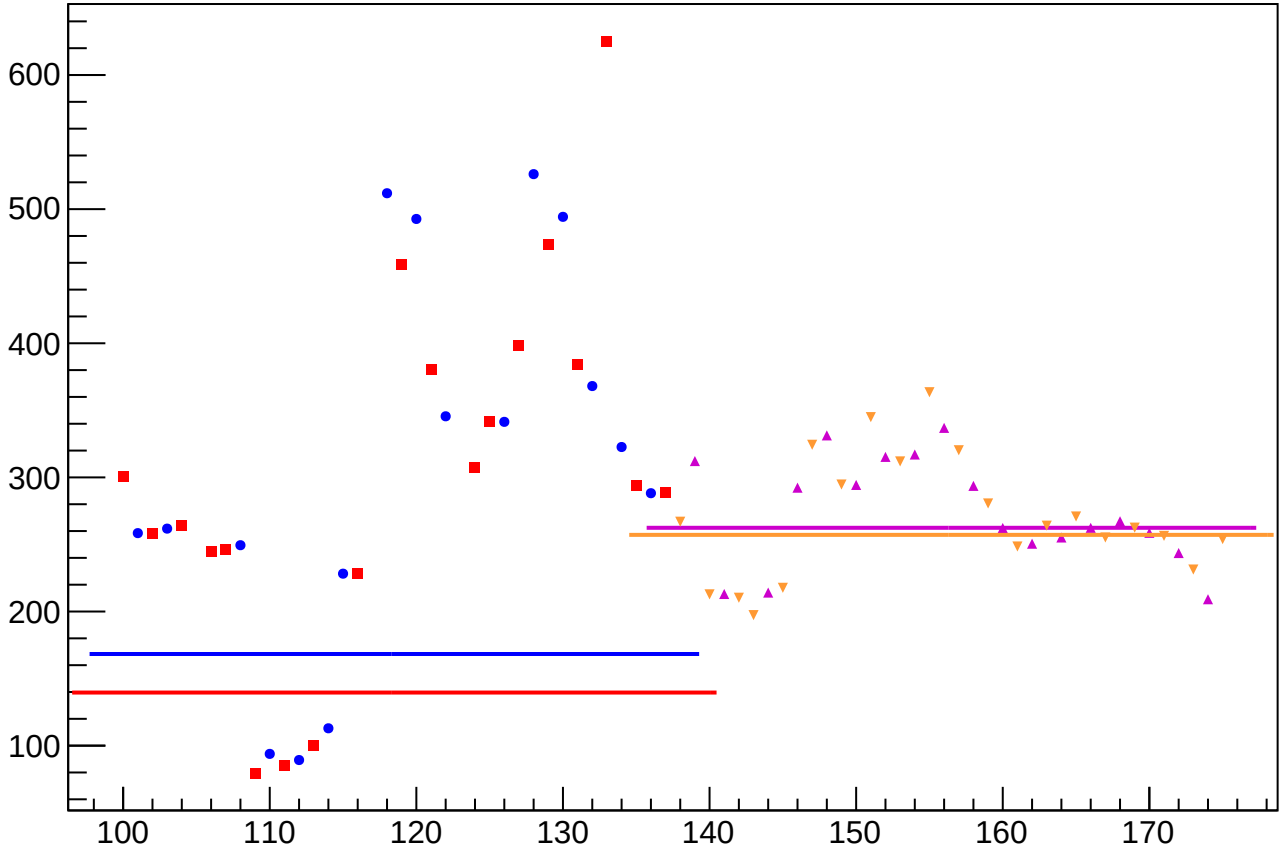
Left In: -58.321+/-68.956 χ^2/NDF:21.6/17

+ sign -223.814+/-49.725 χ^2/NDF: 72.6/35

All: -118.206+/-34.112 χ^2/NDF: 114.7/72

- sign -24.328+/-46.882 χ^2/NDF: 33.6/36

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 257.154+/-0.046 χ^2/NDF:820018.9/19

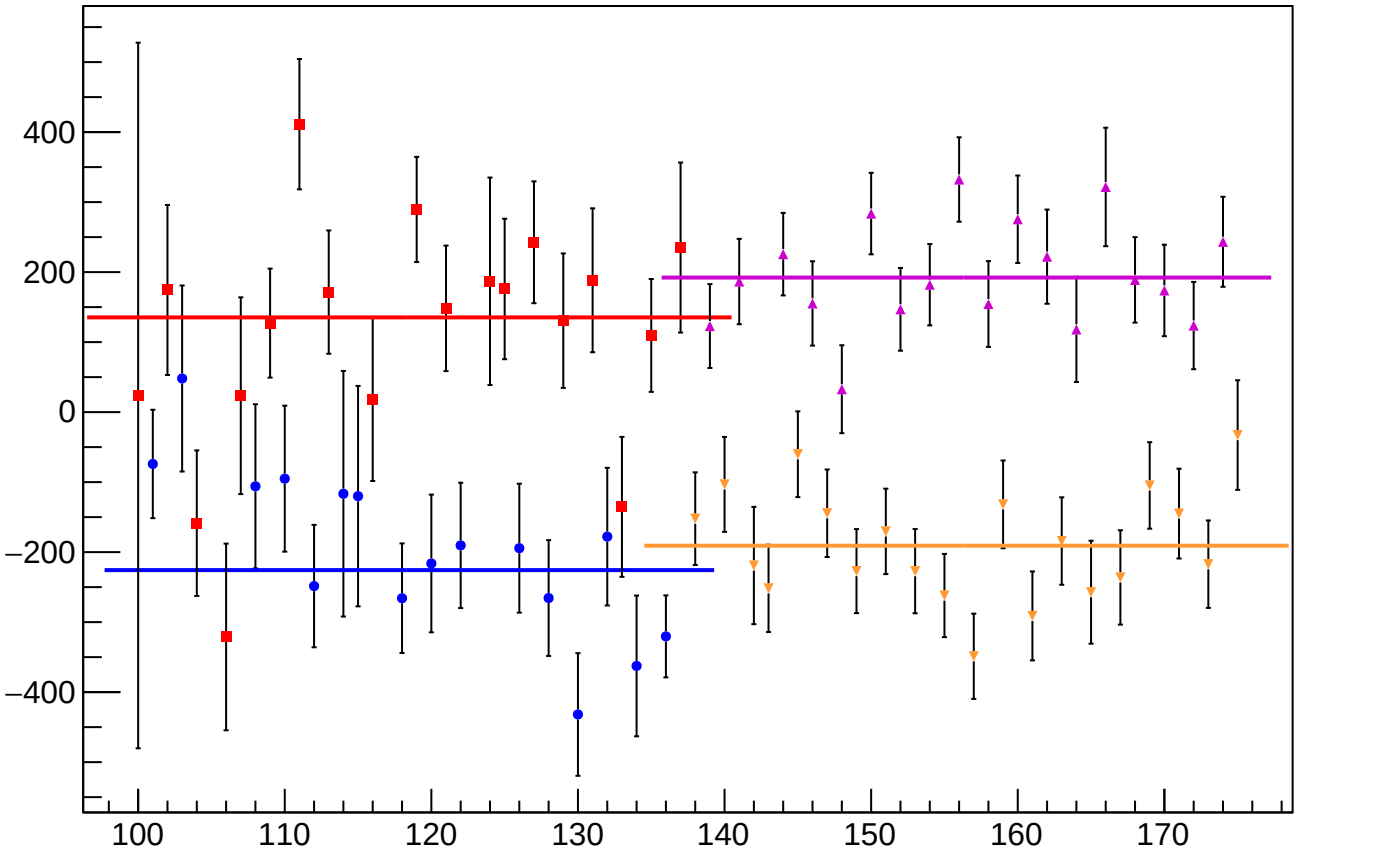
Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 262.427+/-0.049 χ^2/NDF:665383.3/17

+ sign 219.341+/-0.035 χ^2/NDF: 6924269.9/35

All: 207.183+/-0.024 χ^2/NDF: 16382436.6/72

- sign 196.374+/-0.033 χ^2/NDF: 9232285.9/36



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -190.845+/-14.387 χ^2/NDF:28.6/19

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

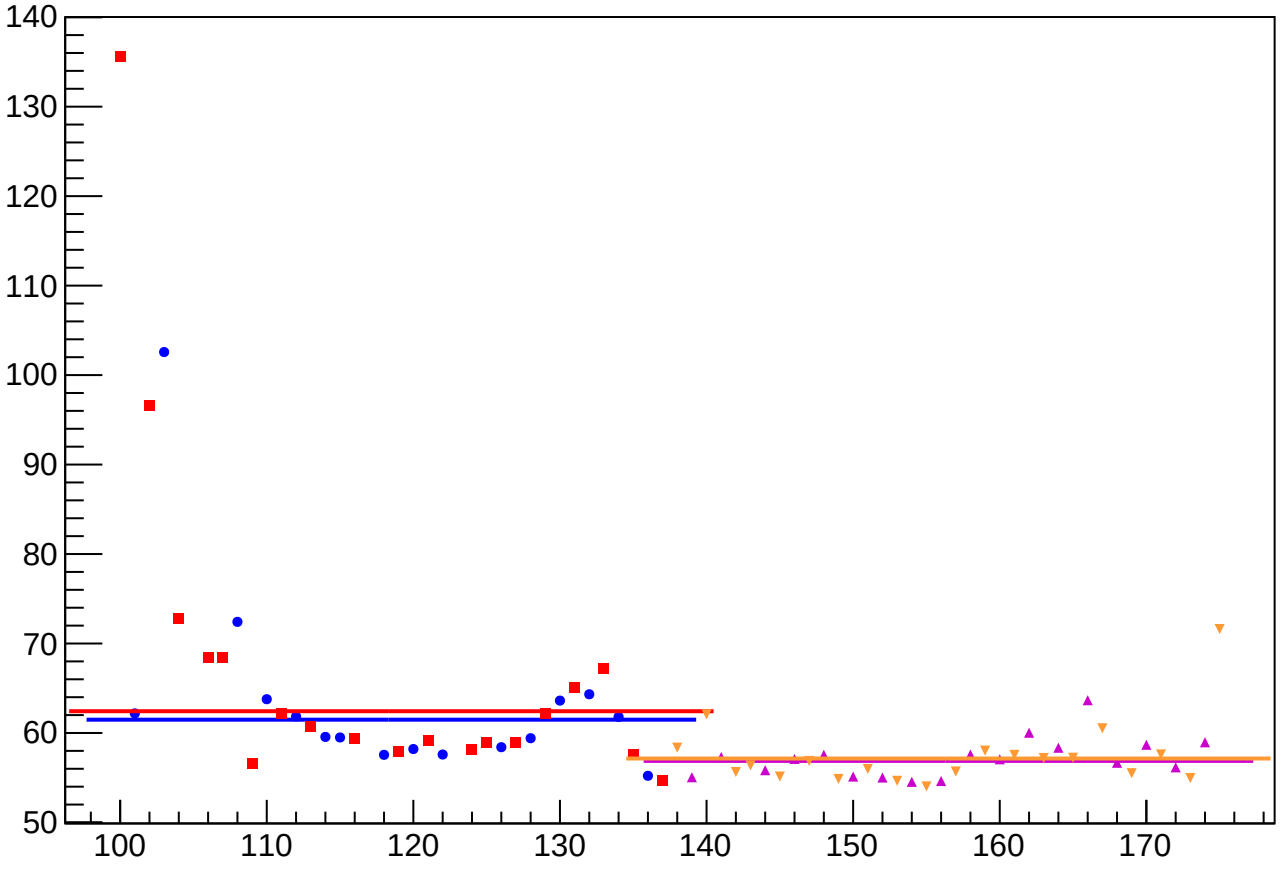
Left In: 192.223+/-14.777 χ^2/NDF:24.6/17

+ sign -200.573+/-12.215 χ^2/NDF: 52.8/35

All: -16.193+/-8.724 χ^2/NDF: 591.7/72

- sign 175.802+/-12.465 χ^2/NDF: 73.7/36

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.147+/-0.010 χ^2/NDF:105973.3/19

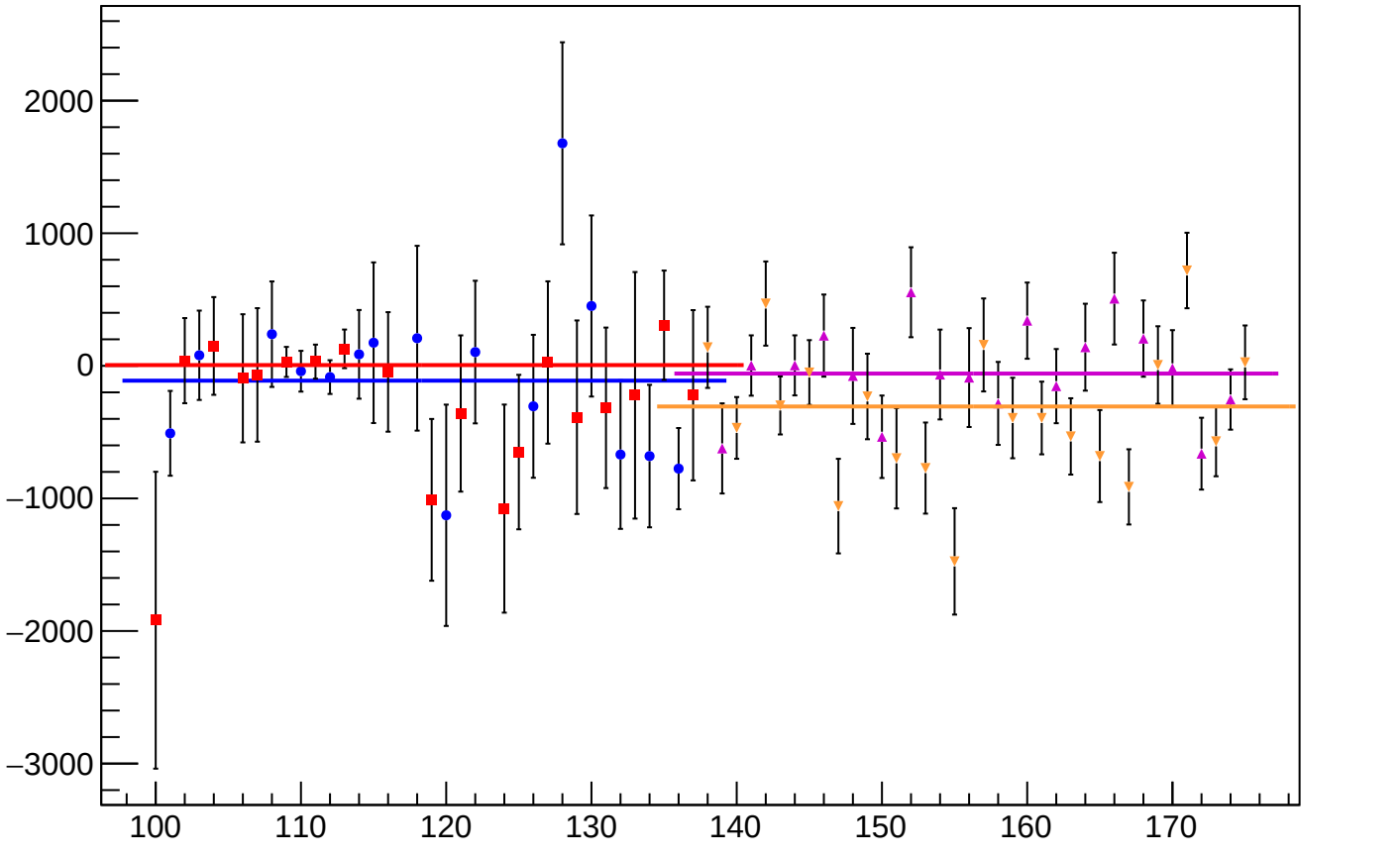
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.883+/-0.010 χ^2/NDF:34820.5/17

+ sign 58.358+/-0.009 χ^2/NDF: 407432.3/35

All: 58.420+/-0.006 χ^2/NDF: 803164.2/72

- sign 58.484+/-0.009 χ^2/NDF: 395627.9/36



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -306.780+/-65.616 χ^2/NDF:50.4/19

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

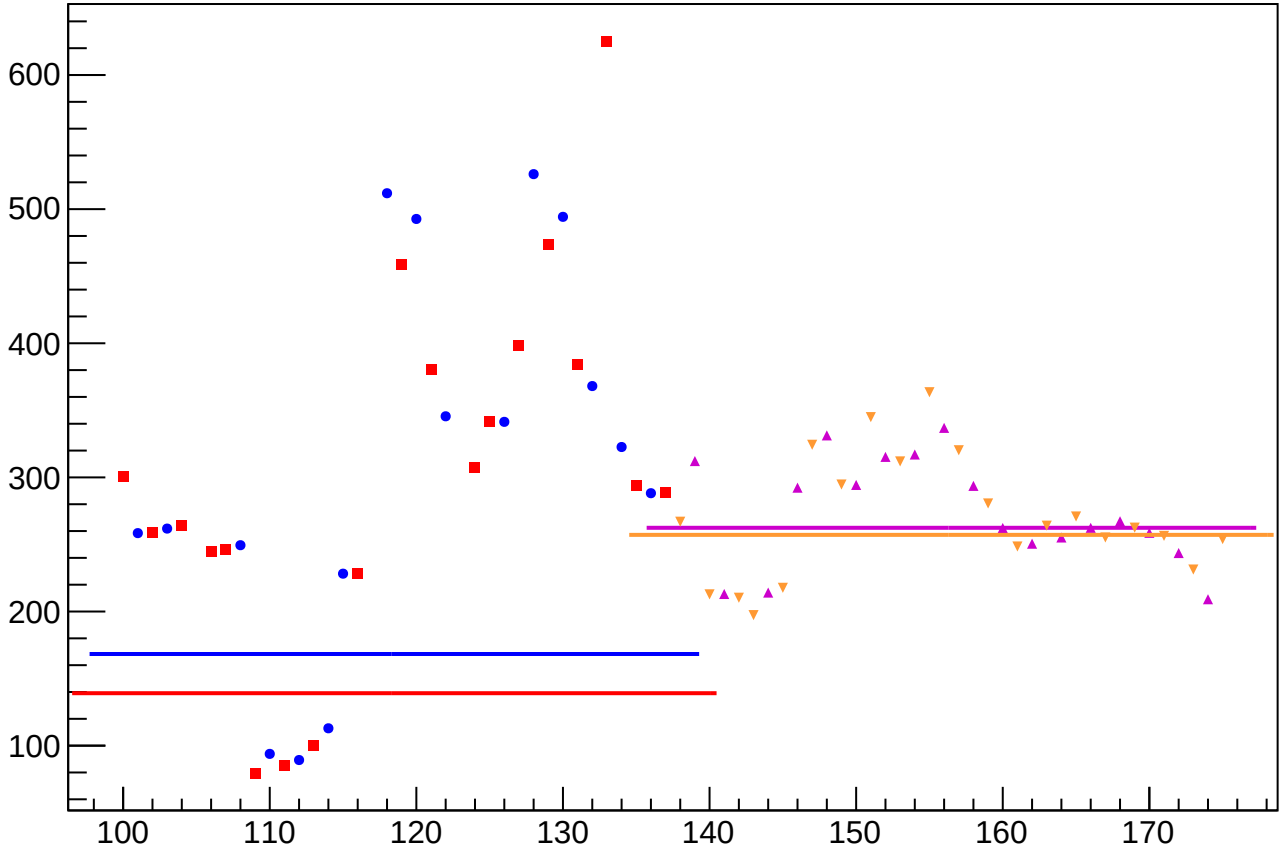
Left In: -58.317+/-68.956 χ^2/NDF:21.6/17

+ sign -223.806+/-49.725 χ^2/NDF: 72.6/35

All: -118.162+/-34.135 χ^2/NDF: 114.7/72

- sign -24.013+/-46.942 χ^2/NDF: 33.6/36

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.154+/-0.046 χ^2/NDF:820023.2/19

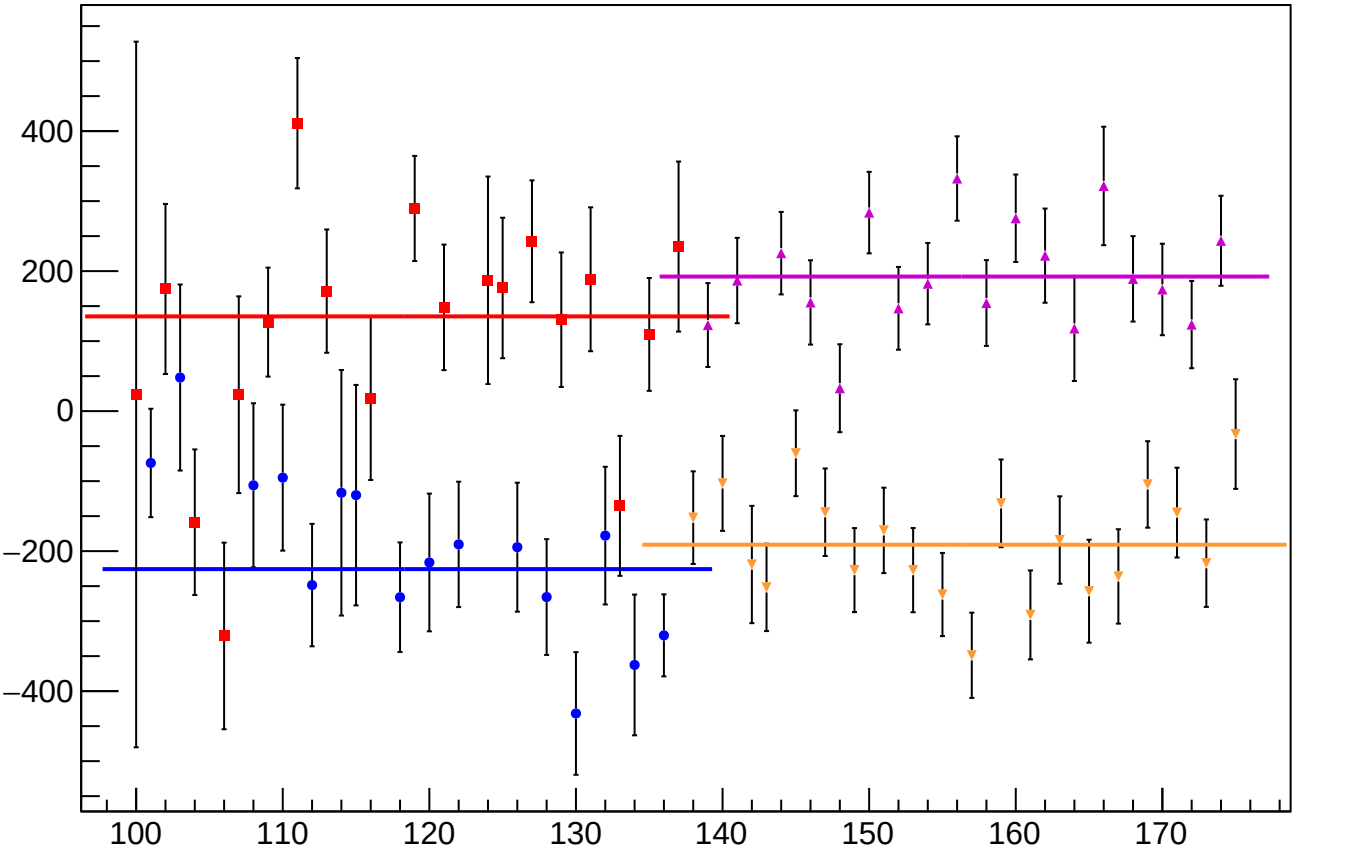
Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.427+/-0.049 χ^2/NDF:665381.5/17

+ sign 219.342+/-0.035 χ^2/NDF: 6924302.8/35

All: 207.135+/-0.024 χ^2/NDF: 16380016.6/72

- sign 196.257+/-0.033 χ^2/NDF: 9227793.6/36



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -190.845+/-14.387 χ^2/NDF:28.6/19

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

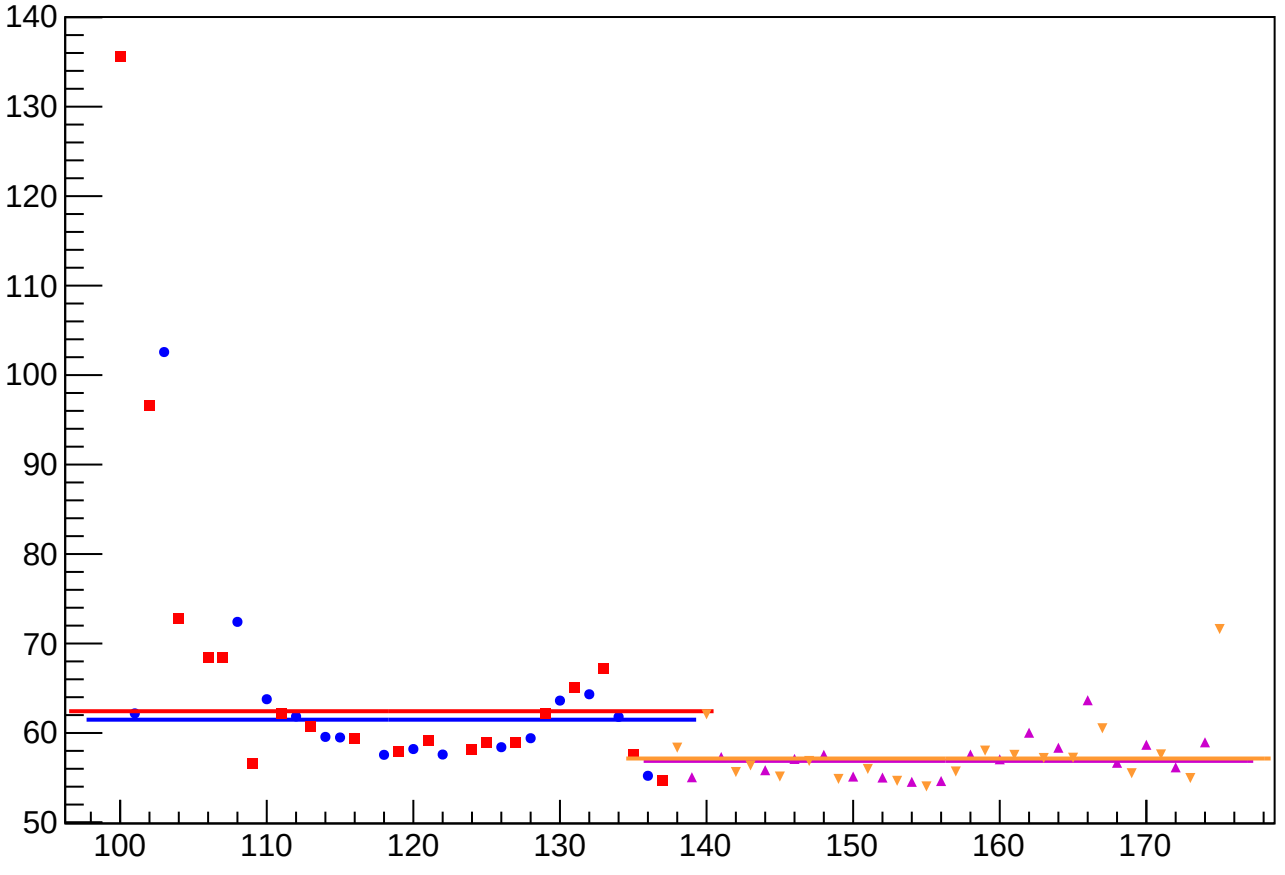
Left In: 192.223+/-14.777 χ^2/NDF:24.6/17

\+ sign -200.573+/-12.215 χ^2/NDF: 52.8/35

All: -16.193+/-8.724 χ^2/NDF: 591.7/72

\- sign 175.802+/-12.465 χ^2/NDF: 73.7/36

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.147+/-0.010 χ^2/NDF:105973.3/19

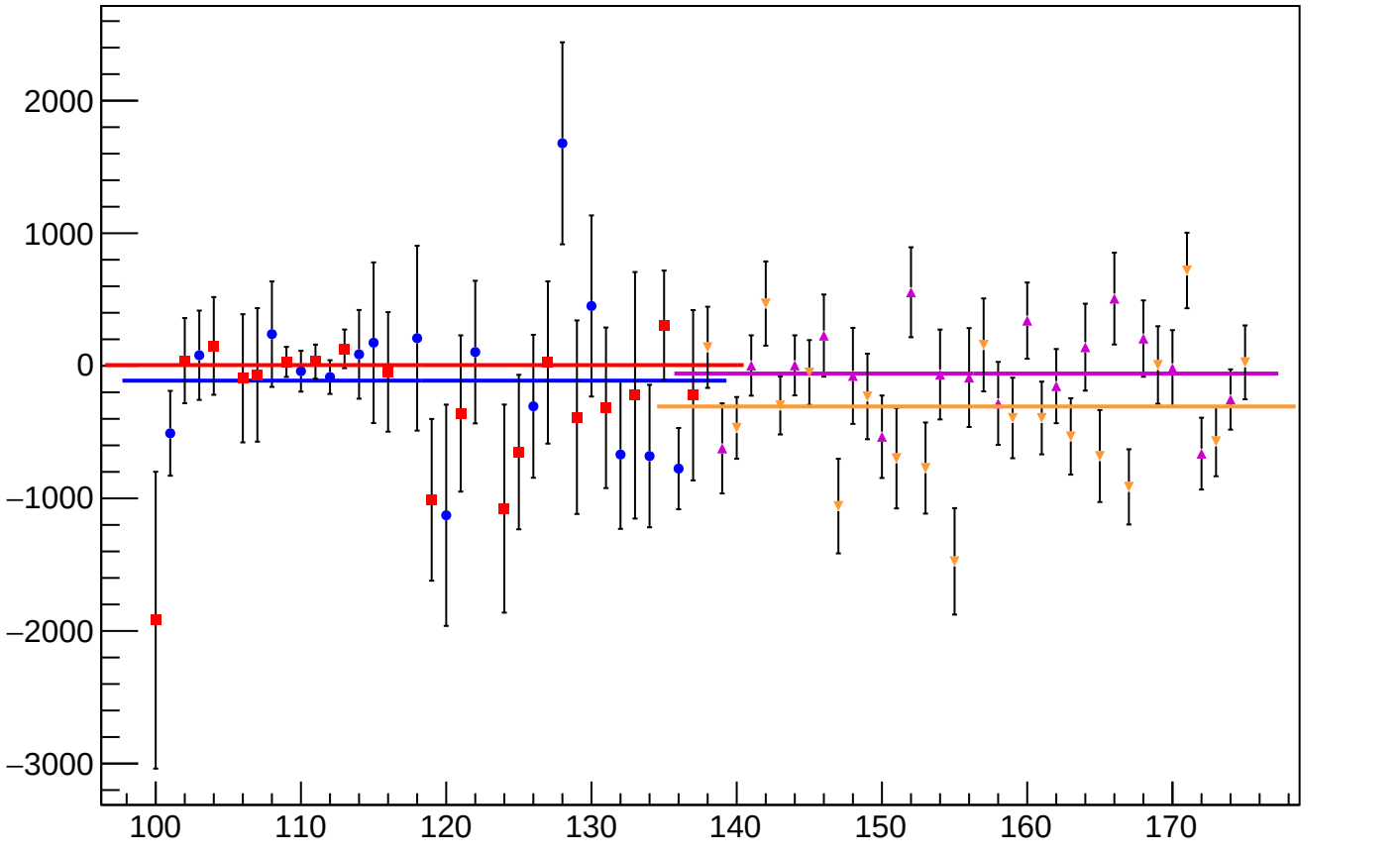
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.883+/-0.010 χ^2/NDF:34820.5/17

+ sign 58.358+/-0.009 χ^2/NDF: 407432.3/35

All: 58.420+/-0.006 χ^2/NDF: 803164.2/72

- sign 58.484+/-0.009 χ^2/NDF: 395627.9/36



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -306.780+/-65.616 χ^2/NDF:50.4/19

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

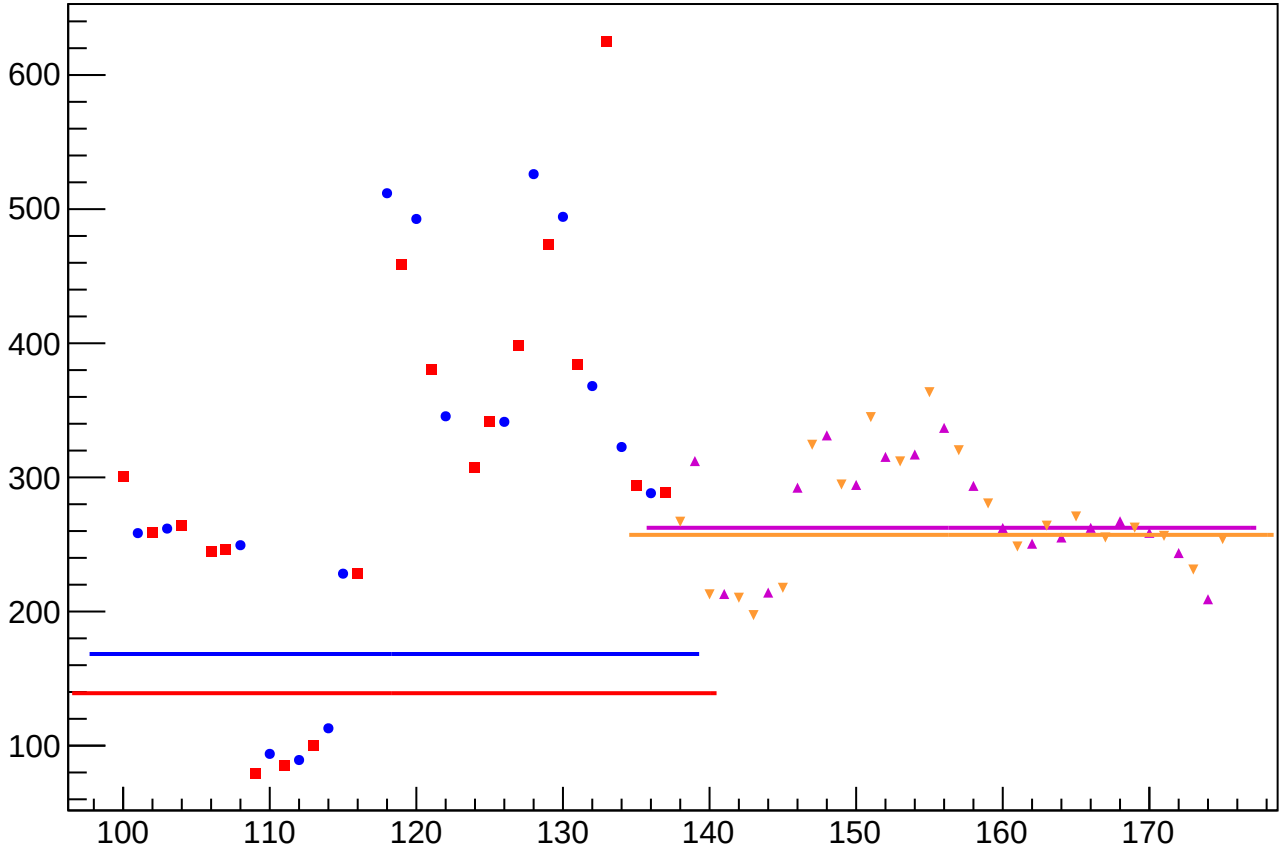
Left In: -58.317+/-68.956 χ^2/NDF:21.6/17

+ sign -223.806+/-49.725 χ^2/NDF: 72.6/35

All: -118.162+/-34.135 χ^2/NDF: 114.7/72

- sign -24.013+/-46.942 χ^2/NDF: 33.6/36

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.154+/-0.046 χ^2/NDF:820023.2/19

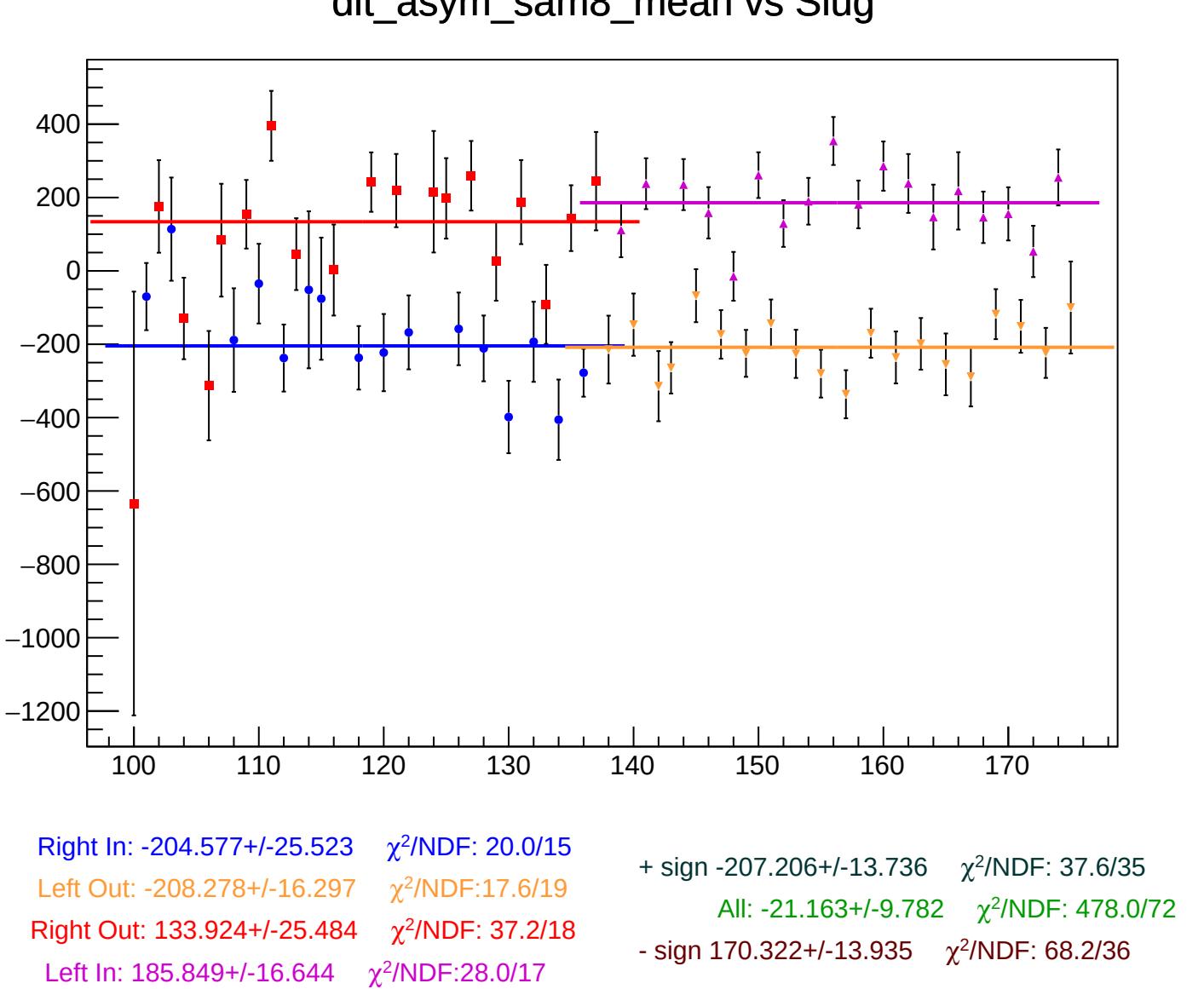
Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.427+/-0.049 χ^2/NDF:665381.5/17

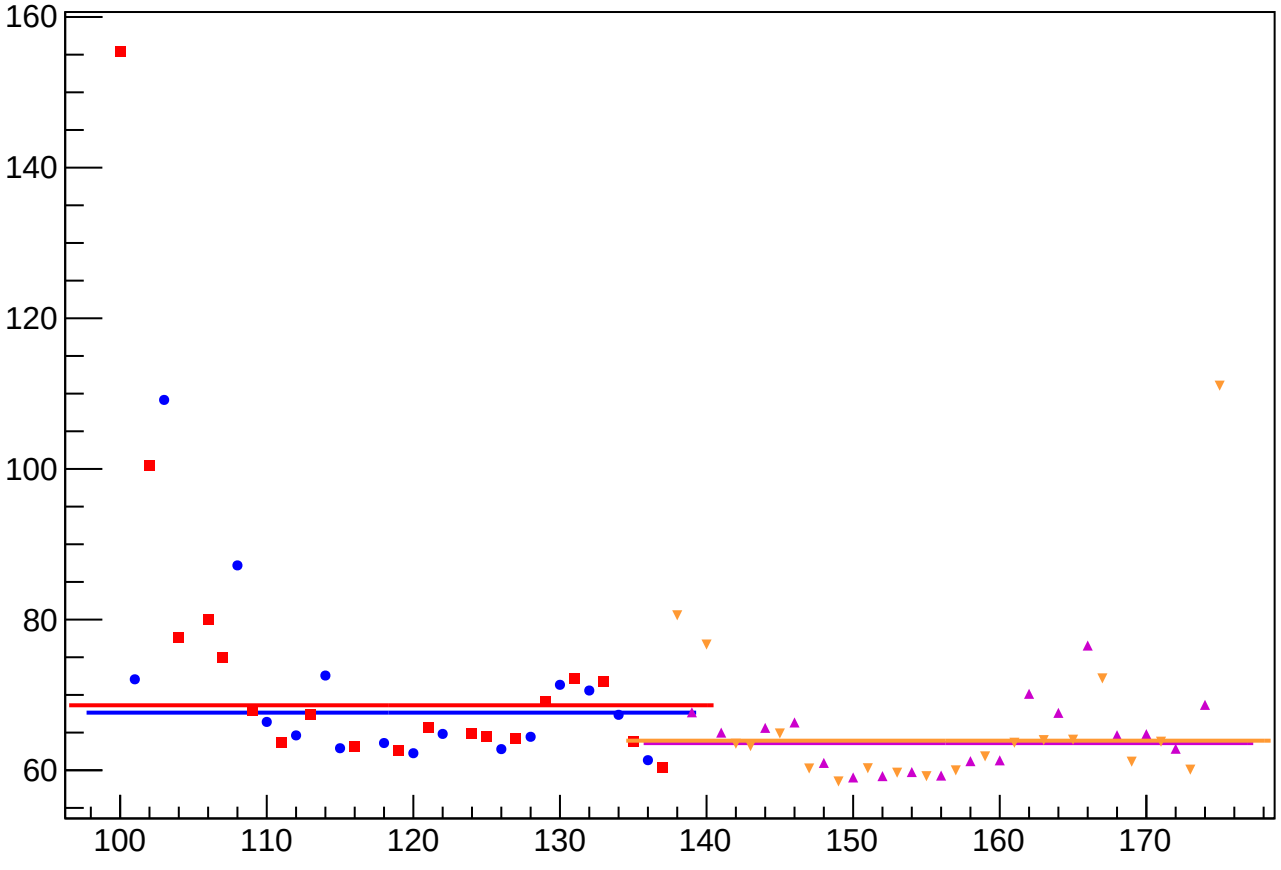
+ sign 219.342+/-0.035 χ^2/NDF: 6924302.8/35

All: 207.135+/-0.024 χ^2/NDF: 16380016.6/72

- sign 196.257+/-0.033 χ^2/NDF: 9227793.6/36


dit_asym_sam8_mean vs Slug
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
170
Right In: -204.577+/-25.523 χ²/NDF: 20.0/15
Left Out: -208.278+/-16.297 χ²/NDF:17.6/19
Right Out: 133.924+/-25.484 χ²/NDF: 37.2/18
Left In: 185.849+/-16.644 χ²/NDF:28.0/17
+ sign -207.206+/-13.736 χ²/NDF: 37.6/35
All: -21.163+/-9.782 χ²/NDF: 478.0/72
- sign 170.322+/-13.935 χ²/NDF: 68.2/36

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 63.925+/-0.012 χ^2/NDF:478058.6/19

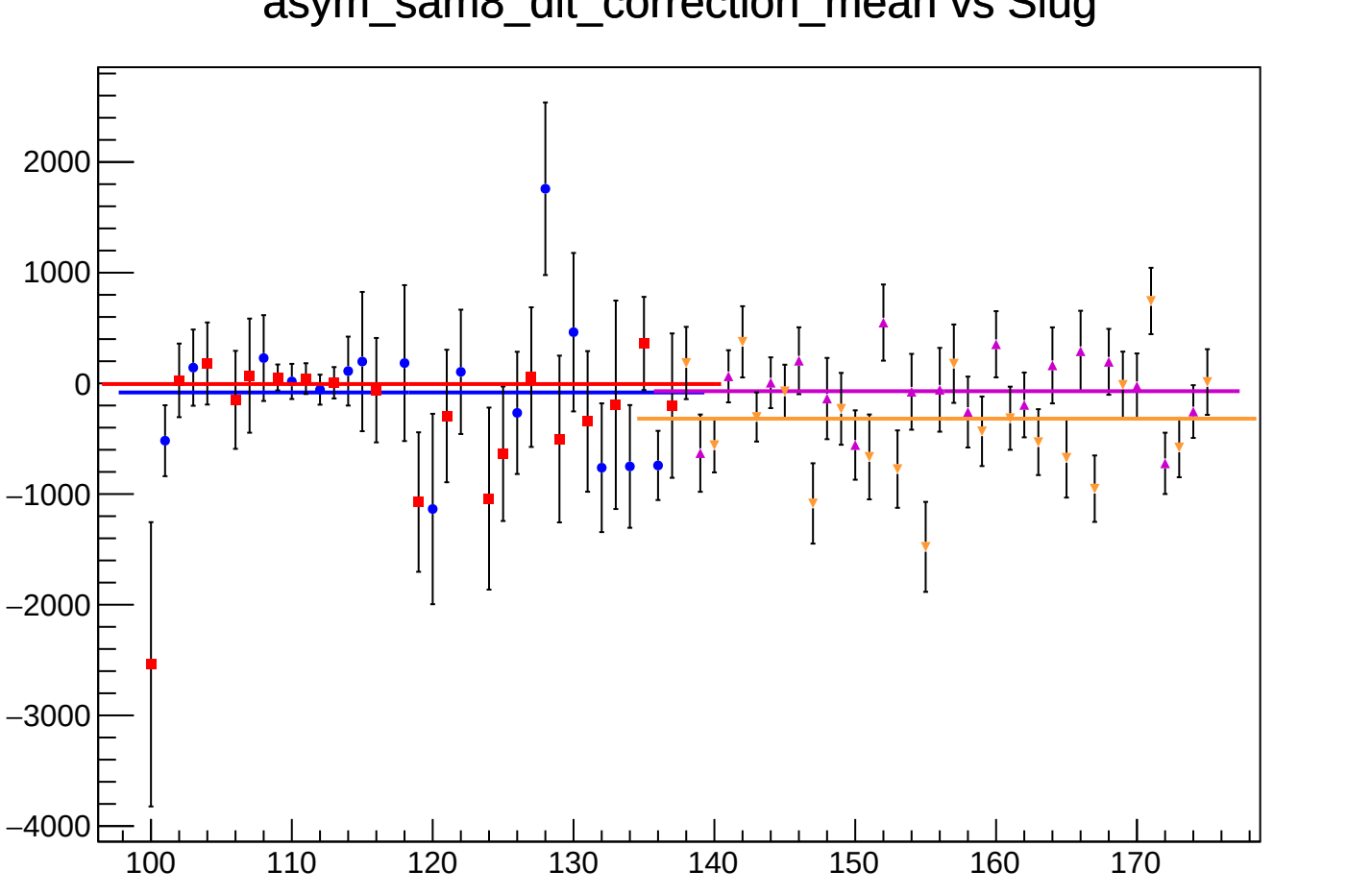
Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 63.602+/-0.012 χ^2/NDF:113587.8/17

+ sign 65.003+/-0.010 χ^2/NDF: 771949.3/35

All: 65.052+/-0.007 χ^2/NDF: 1188206.9/72

- sign 65.103+/-0.010 χ^2/NDF: 416204.9/36



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -318.795+/-67.561 χ^2/NDF:48.0/19

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

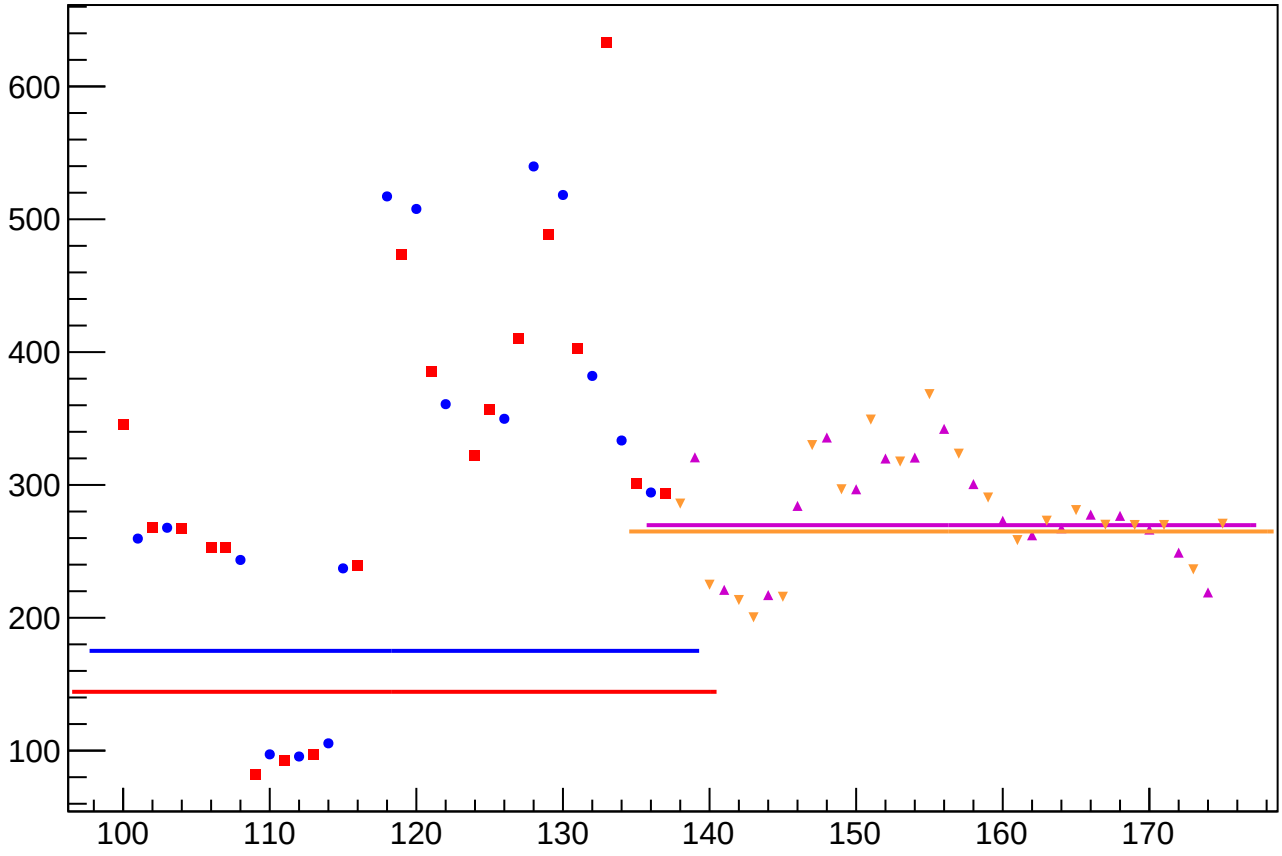
Left In: -70.642+/-70.788 χ^2/NDF:20.5/17

+ sign -218.389+/-51.256 χ^2/NDF: 72.4/35

All: -121.694+/-35.128 χ^2/NDF: 112.1/72

- sign -36.051+/-48.238 χ^2/NDF: 32.9/36

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 264.977+/-0.048 χ^2/NDF:819110.3/19

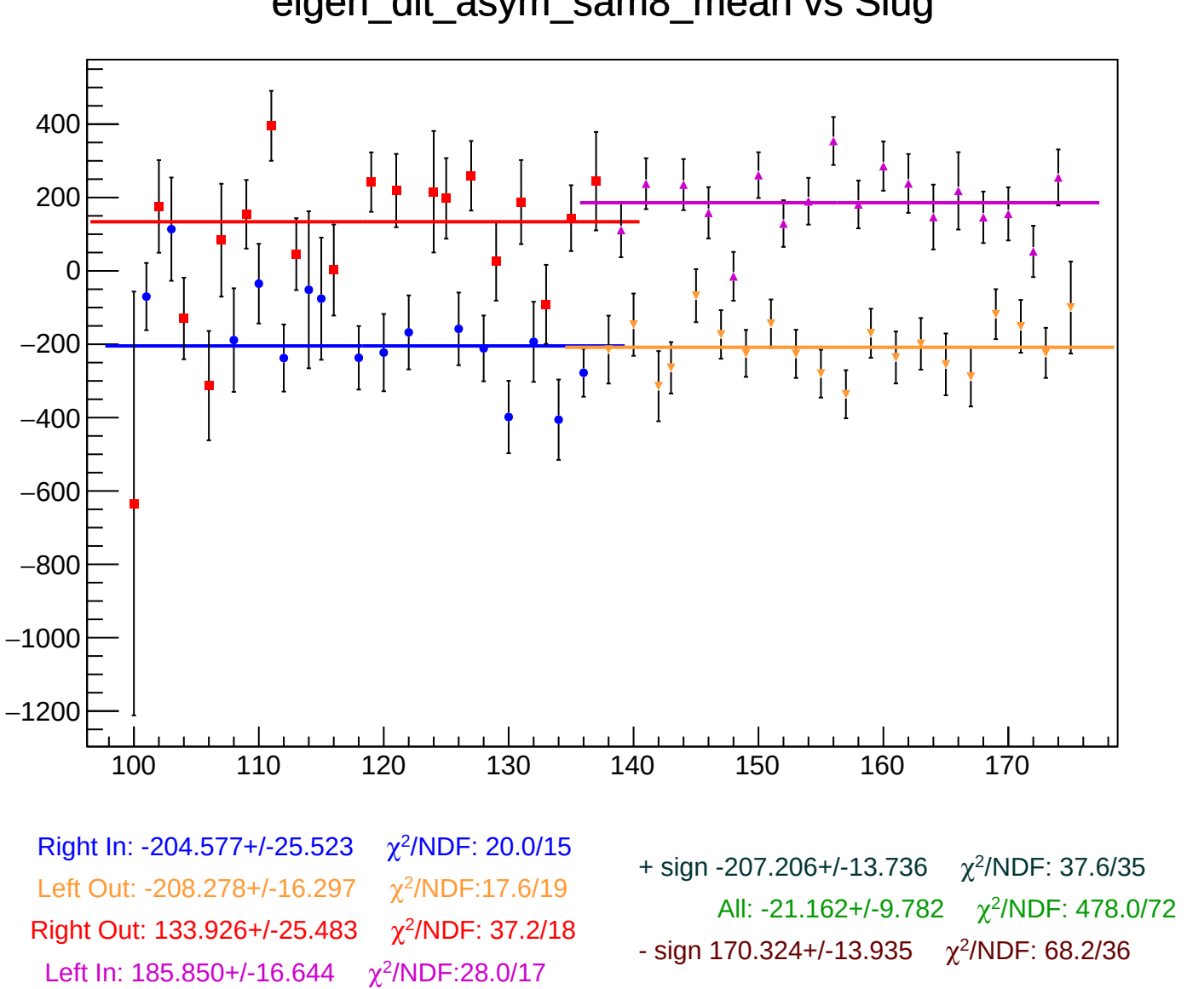
Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 269.730+/-0.050 χ^2/NDF:601634.7/17

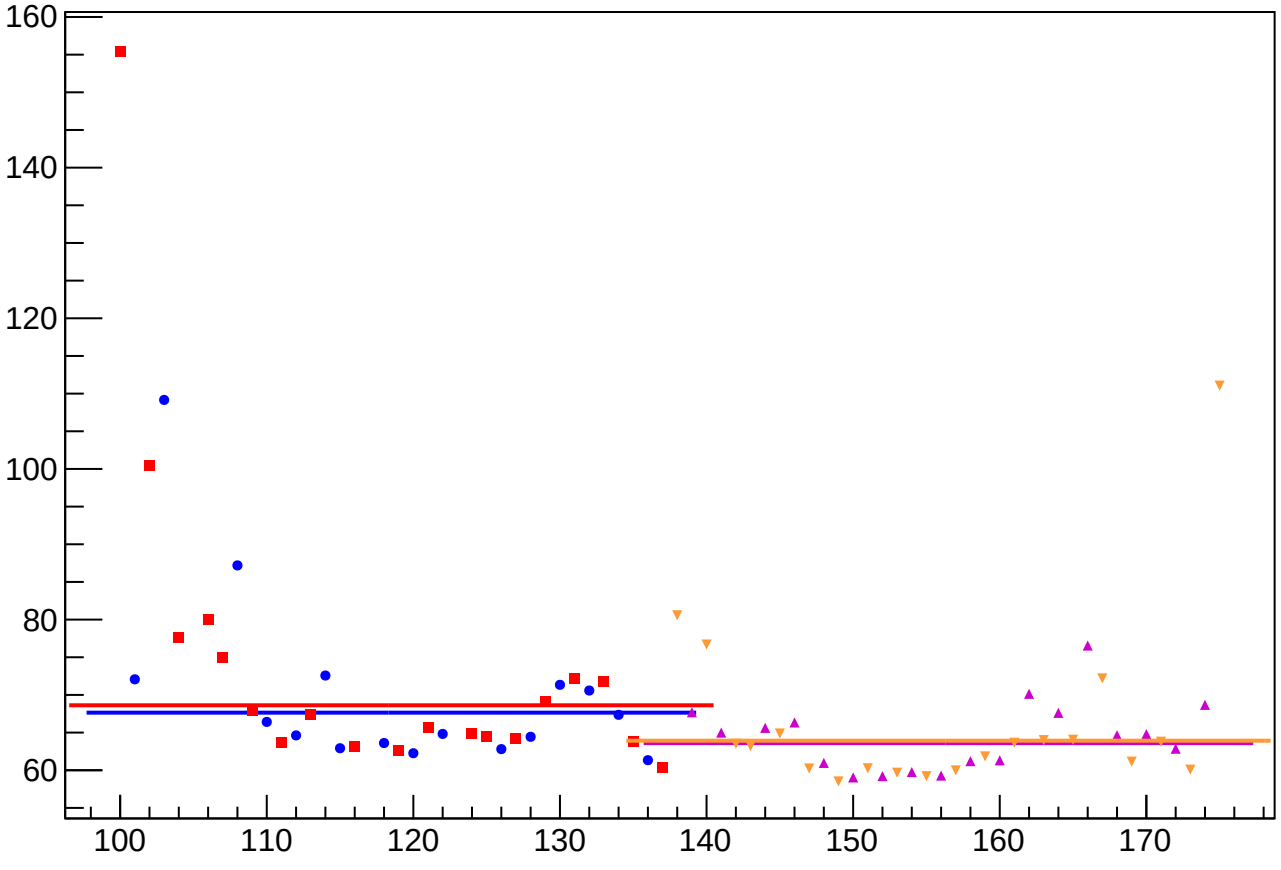
+ sign 226.830+/-0.036 χ^2/NDF: 6750443.7/35

All: 213.944+/-0.025 χ^2/NDF: 16087545.0/72

- sign 202.532+/-0.034 χ^2/NDF: 9098750.1/36


eigen_dit_asym_sam8_mean vs Slug
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
170
Right In: -204.577+/-25.523 χ²/NDF: 20.0/15
Left Out: -208.278+/-16.297 χ²/NDF:17.6/19
Right Out: 133.926+/-25.483 χ²/NDF: 37.2/18
Left In: 185.850+/-16.644 χ²/NDF:28.0/17
+ sign -207.206+/-13.736 χ²/NDF: 37.6/35
All: -21.162+/-9.782 χ²/NDF: 478.0/72
- sign 170.324+/-13.935 χ²/NDF: 68.2/36

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 63.925+/-0.012 χ^2/NDF:478057.8/19

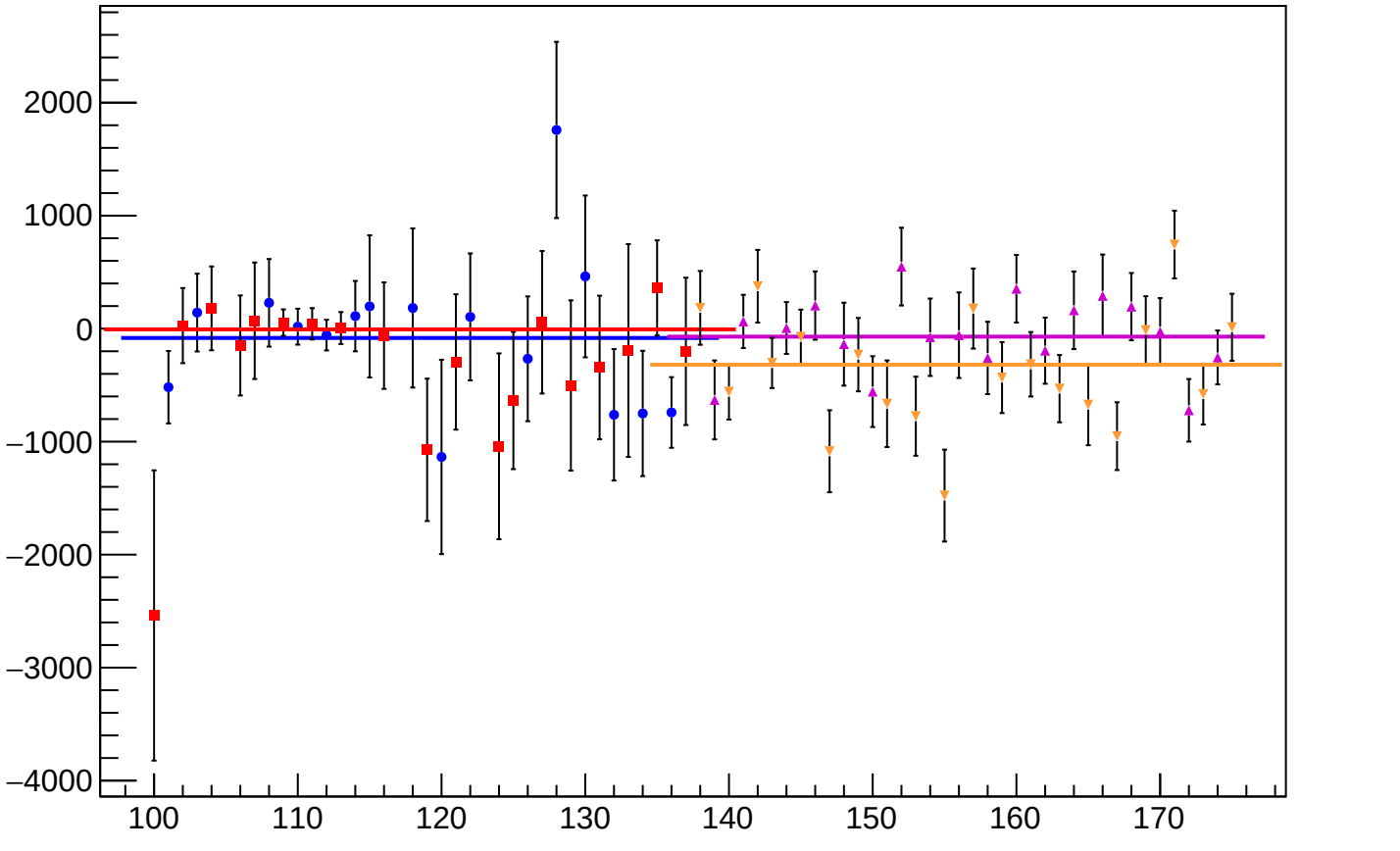
Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 63.602+/-0.012 χ^2/NDF:113588.0/17

+ sign 65.003+/-0.010 χ^2/NDF: 771944.3/35

All: 65.052+/-0.007 χ^2/NDF: 1188198.1/72

- sign 65.103+/-0.010 χ^2/NDF: 416201.2/36



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -318.795+/-67.561 χ^2/NDF:48.0/19

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

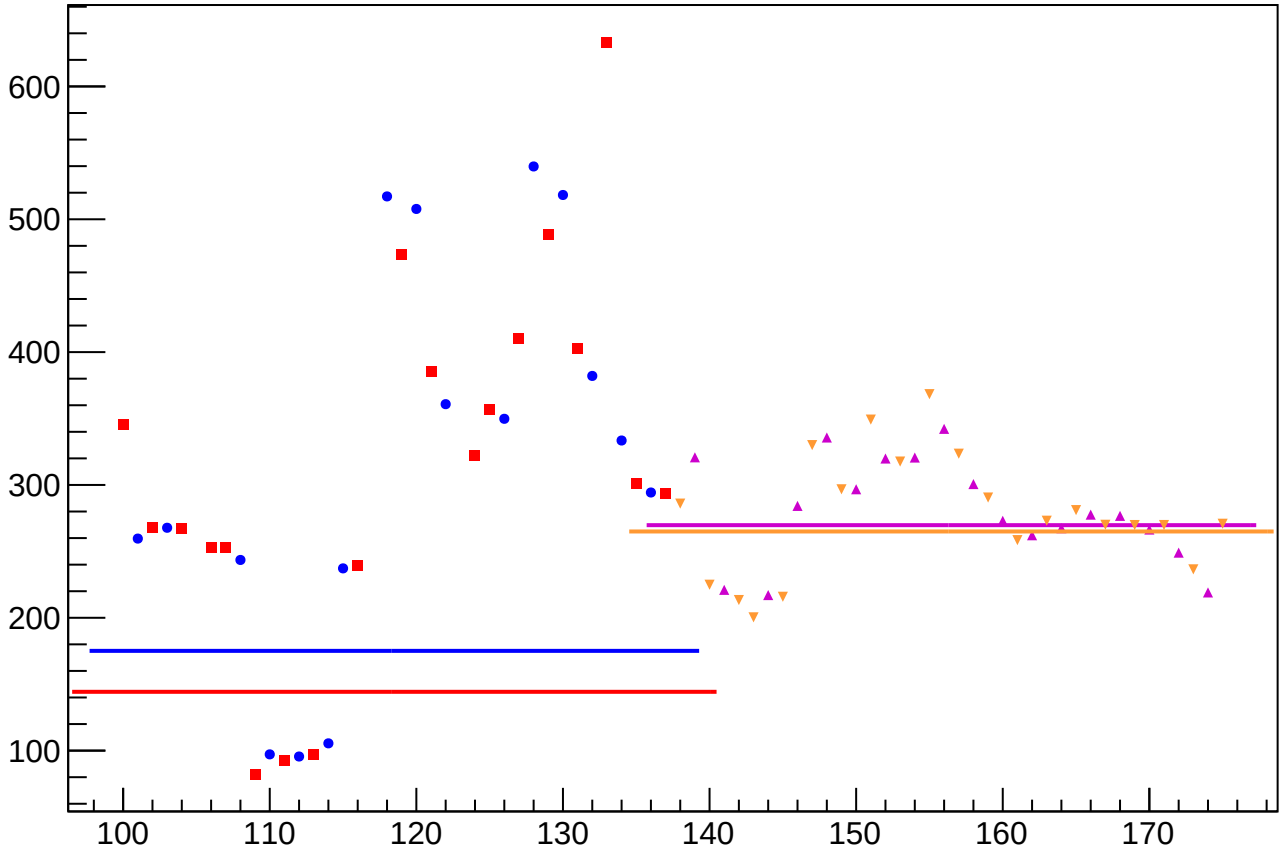
Left In: -70.642+/-70.788 χ^2/NDF:20.5/17

+ sign -218.387+/-51.256 χ^2/NDF: 72.4/35

All: -121.693+/-35.128 χ^2/NDF: 112.1/72

- sign -36.050+/-48.238 χ^2/NDF: 32.9/36

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 264.976+/-0.048 χ^2/NDF:819119.7/19

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

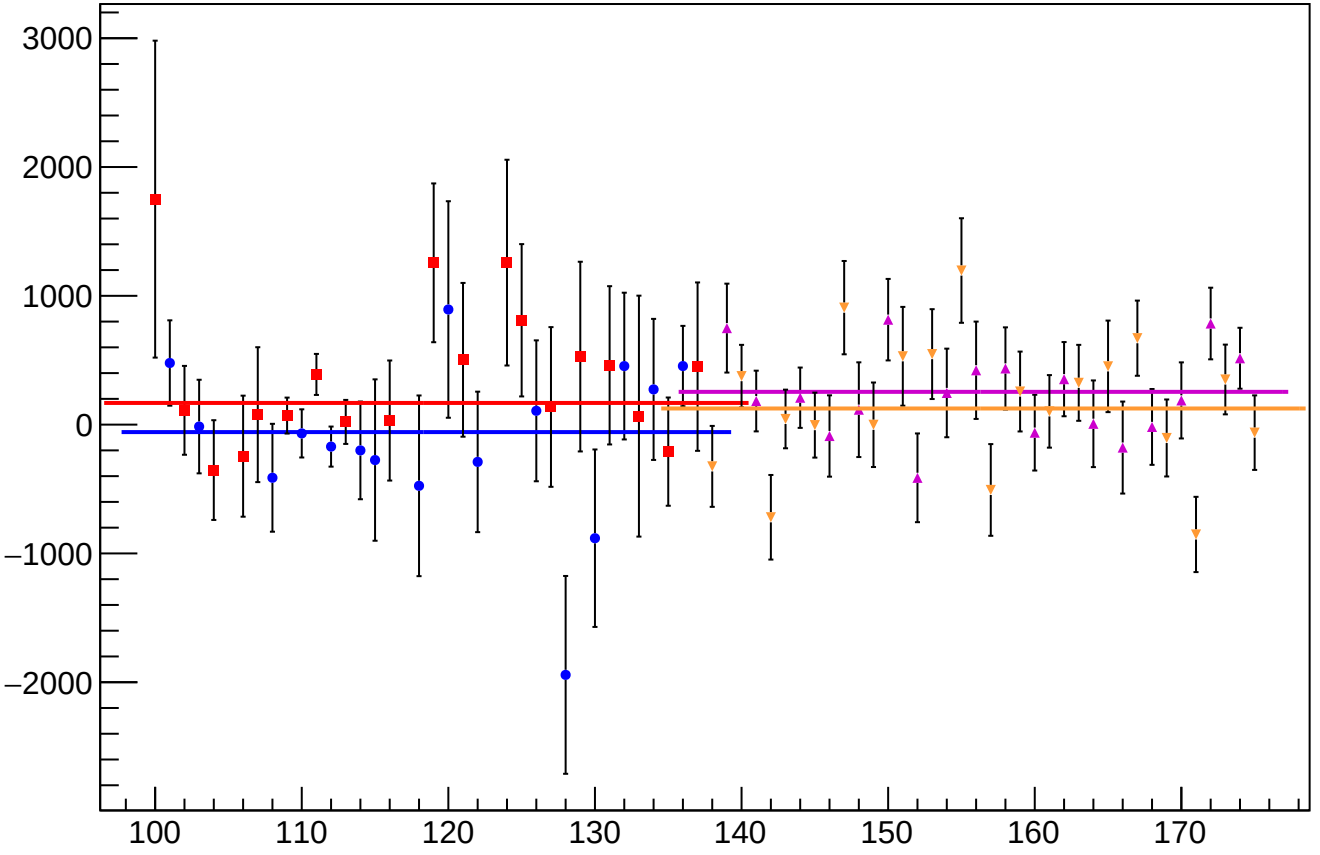
Left In: 269.729+/-0.050 χ^2/NDF:601639.6/17

+ sign 226.829+/-0.036 χ^2/NDF: 6750502.7/35

All: 213.944+/-0.025 χ^2/NDF: 16087561.0/72

- sign 202.531+/-0.034 χ^2/NDF: 9098719.3/36

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 125.280+/-67.429 χ^2/NDF:45.5/19

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

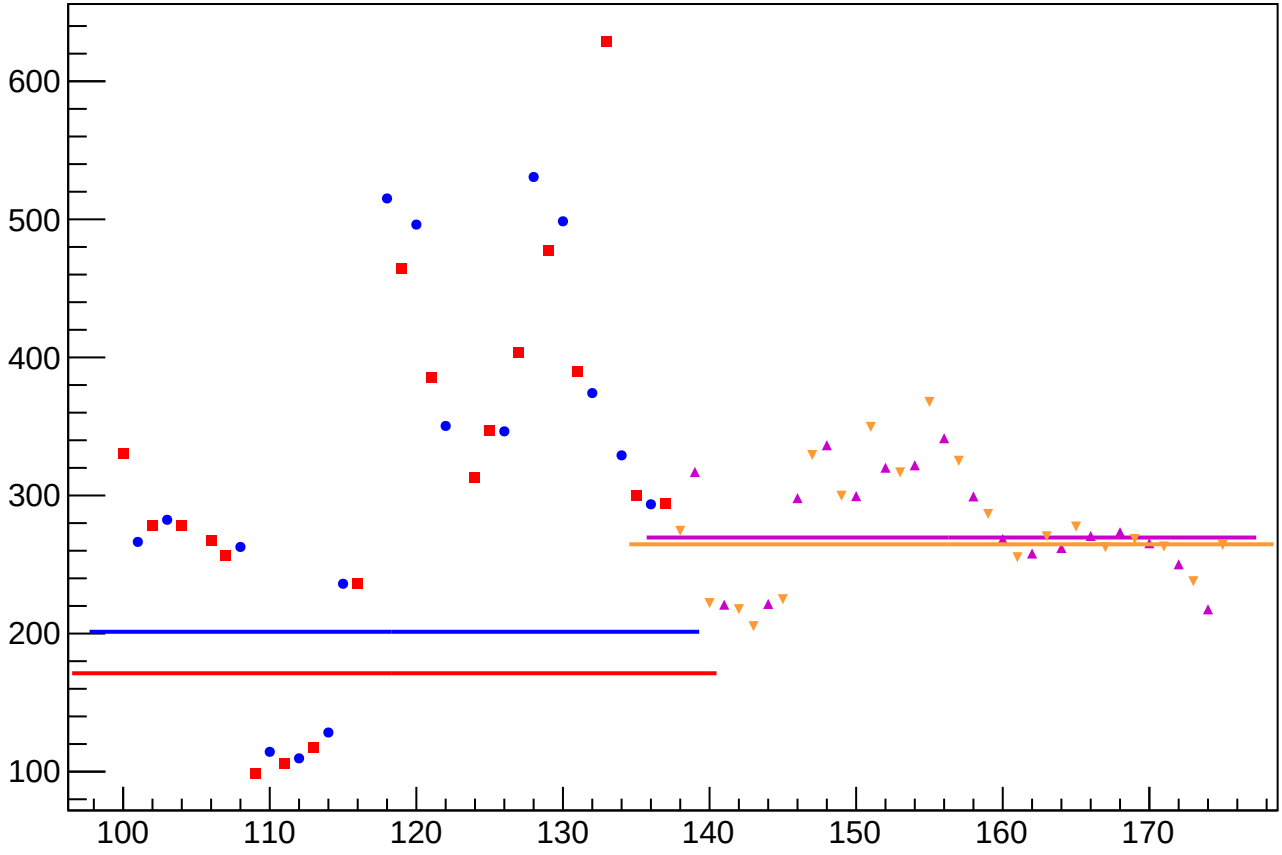
Left In: 254.470+/-70.738 χ^2/NDF:20.0/17

+ sign 56.403+/-53.270 χ^2/NDF: 65.7/35

All: 137.960+/-36.963 χ^2/NDF: 106.4/72

- sign 213.682+/-51.330 χ^2/NDF: 36.2/36

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 264.669+/-0.048 χ^2/NDF:741981.5/19

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

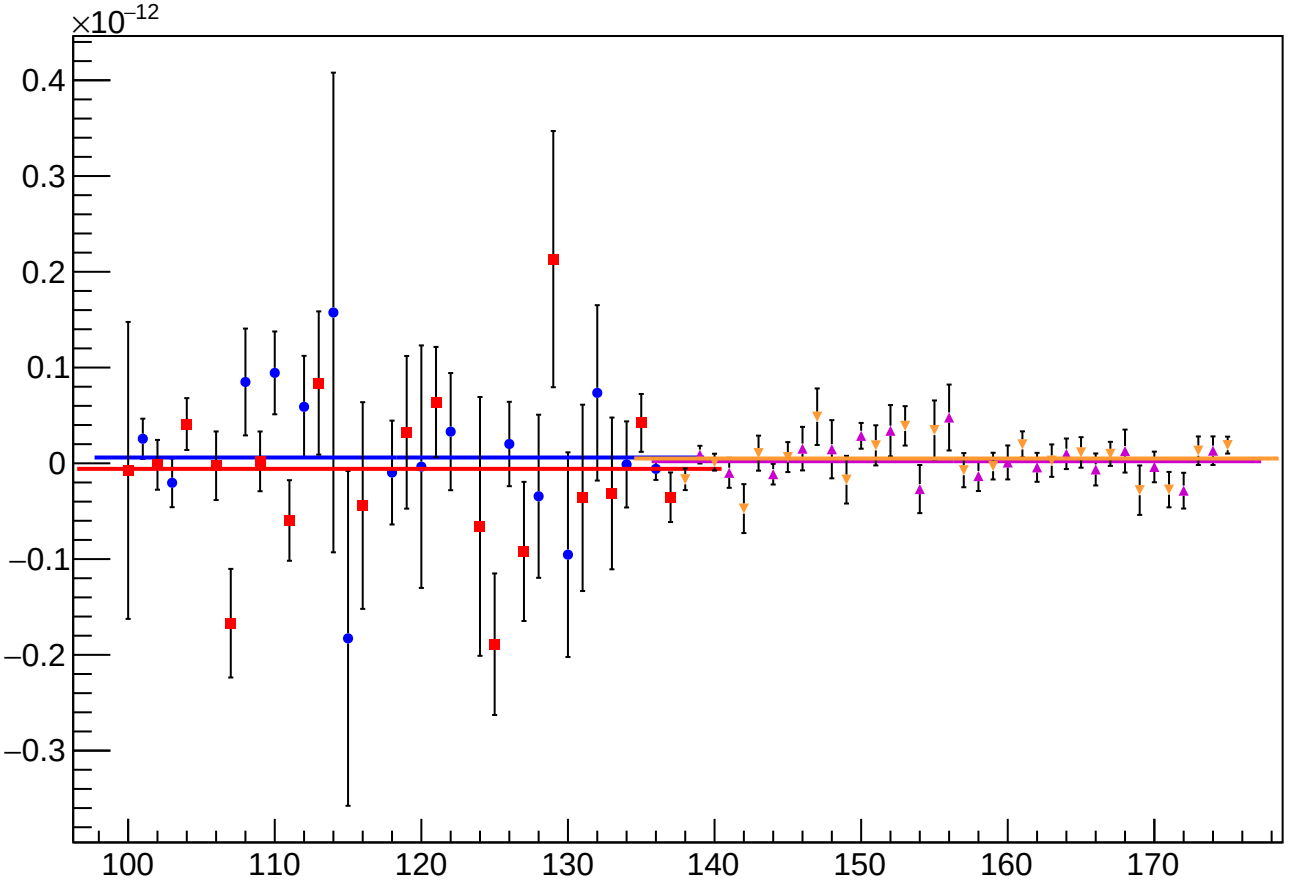
Left In: 269.560+/-0.050 χ^2/NDF:598362.4/17

+ sign 240.851+/-0.038 χ^2/NDF: 4978076.1/35

All: 231.602+/-0.026 χ^2/NDF: 11714173.8/72

- sign 223.015+/-0.036 χ^2/NDF: 6619829.5/36

asym_sam8_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:25.1/19

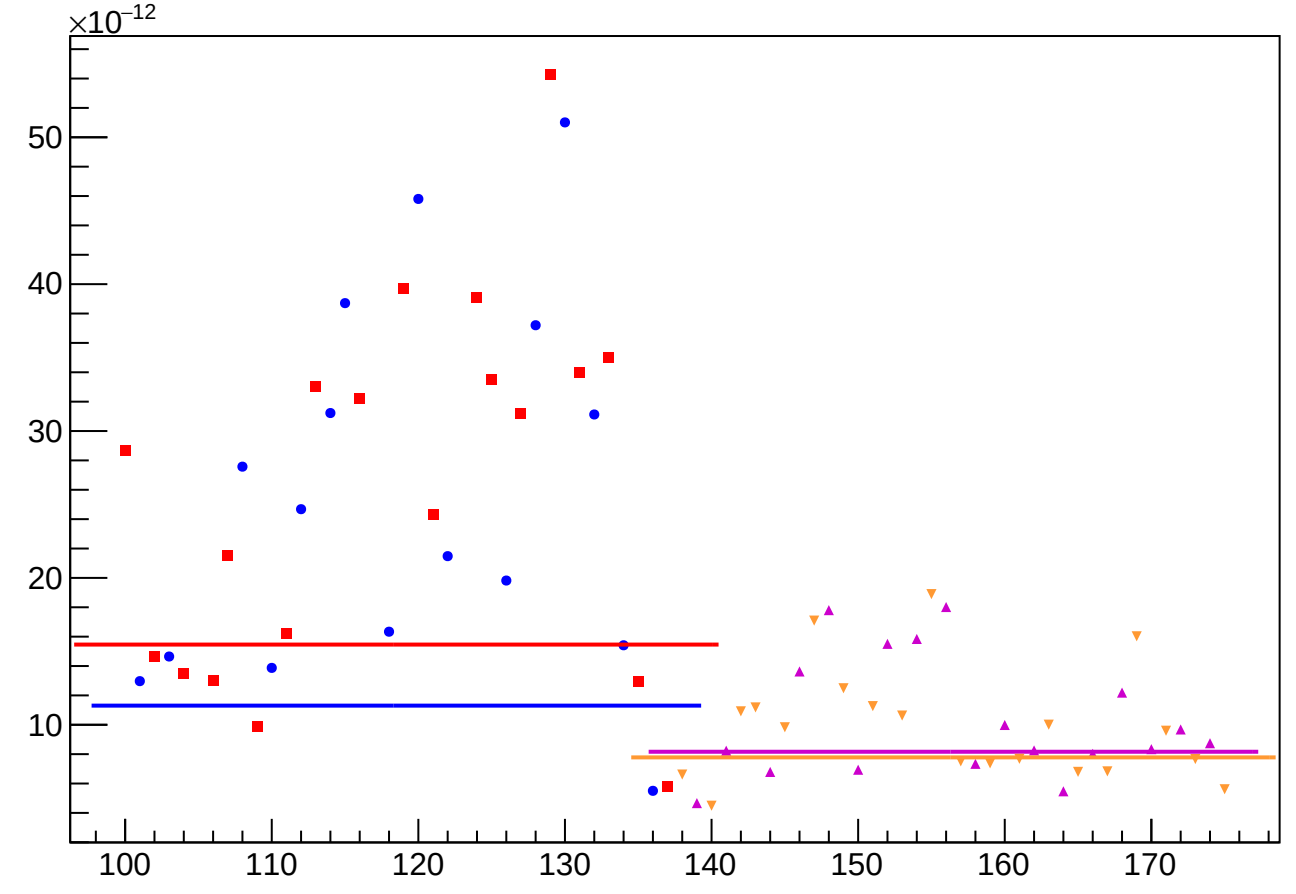
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 38.9/35

All: 0.000+/-0.000 χ^2/NDF: 87.5/72

- sign 0.000+/-0.000 χ^2/NDF: 47.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1458338.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

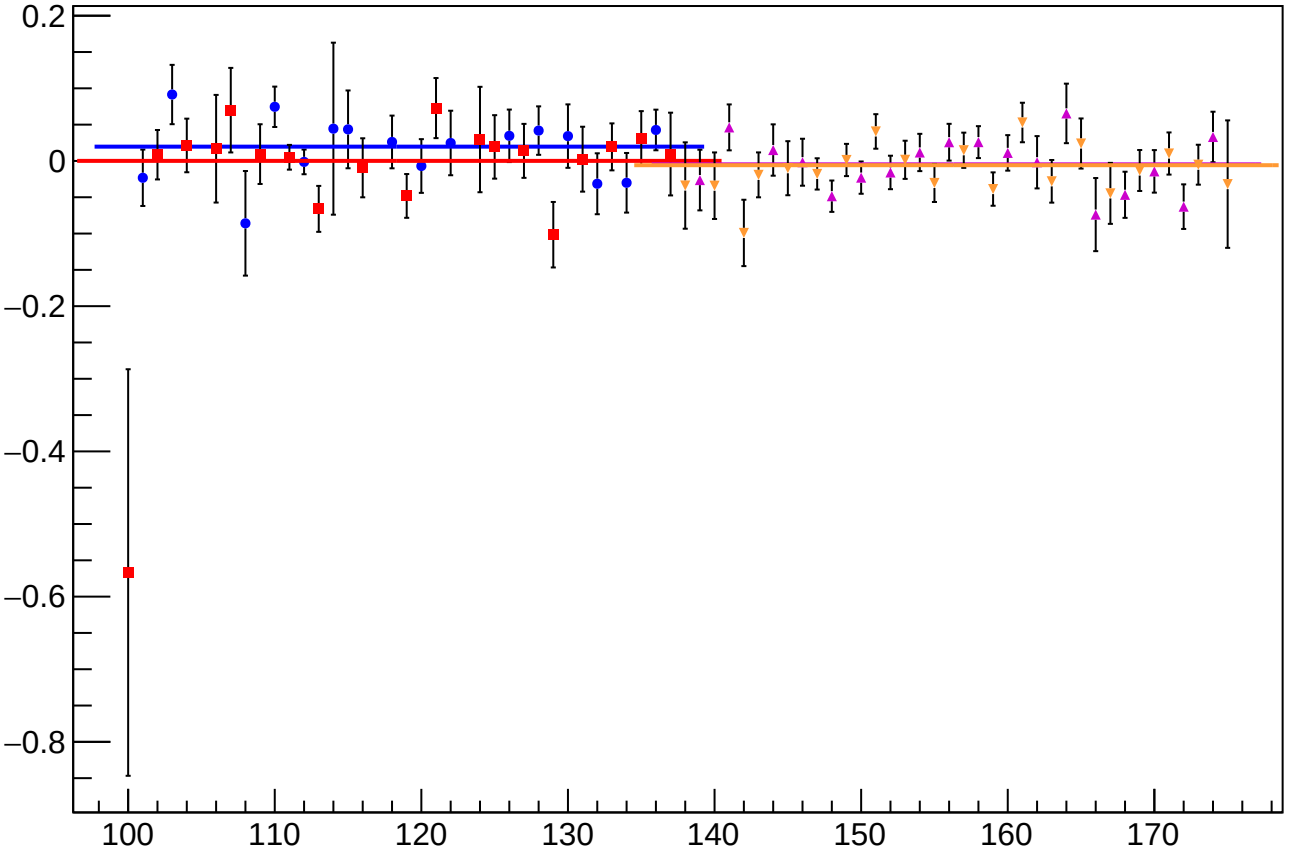
Left In: 0.000+/-0.000 χ^2/NDF:1318492.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 3558824.1/35

All: 0.000+/-0.000 χ^2/NDF: 7271710.2/72

- sign 0.000+/-0.000 χ^2/NDF: 3660468.7/36

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.2/19

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

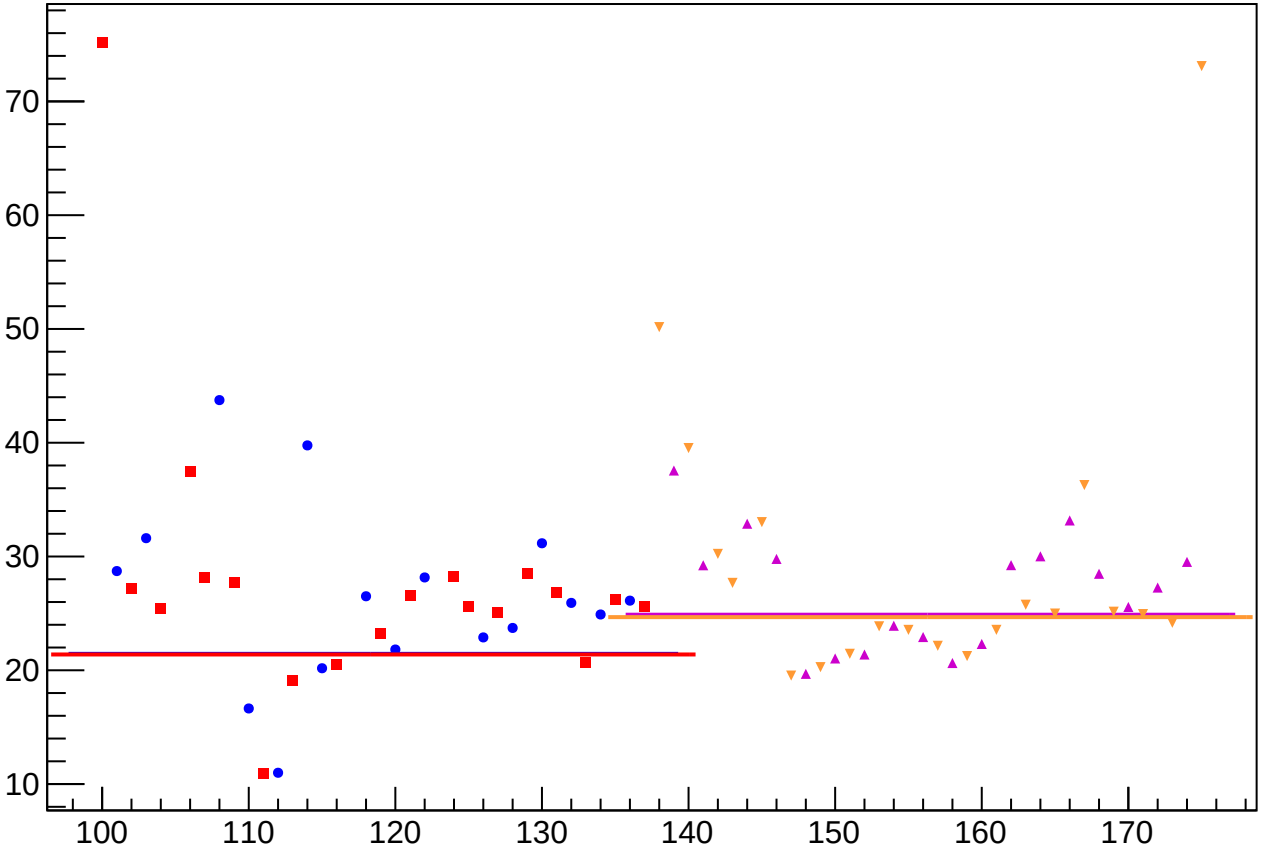
Left In: -0.005+/-0.007 χ^2/NDF:23.9/17

+ sign 0.003+/-0.005 χ^2/NDF: 42.8/35

All: 0.000+/-0.004 χ^2/NDF: 90.4/72

- sign -0.003+/-0.005 χ^2/NDF: 46.9/36

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.672+/-0.005 χ^2/NDF:1796739.0/19

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

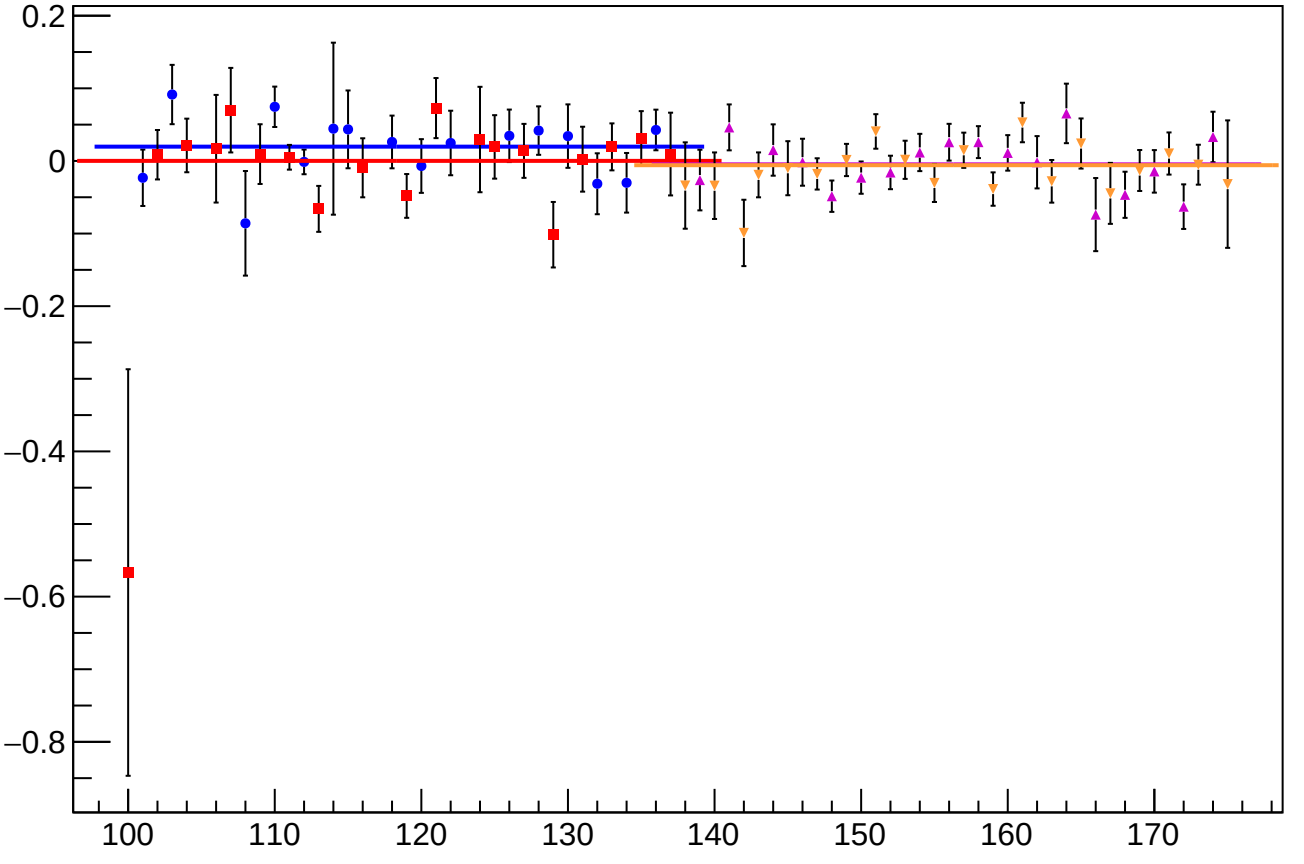
Left In: 24.884+/-0.005 χ^2/NDF:892919.7/17

+ sign 23.500+/-0.004 χ^2/NDF: 3513466.0/35

All: 23.518+/-0.003 χ^2/NDF: 5925705.9/72

- sign 23.536+/-0.004 χ^2/NDF: 2412193.5/36

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.2/19

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

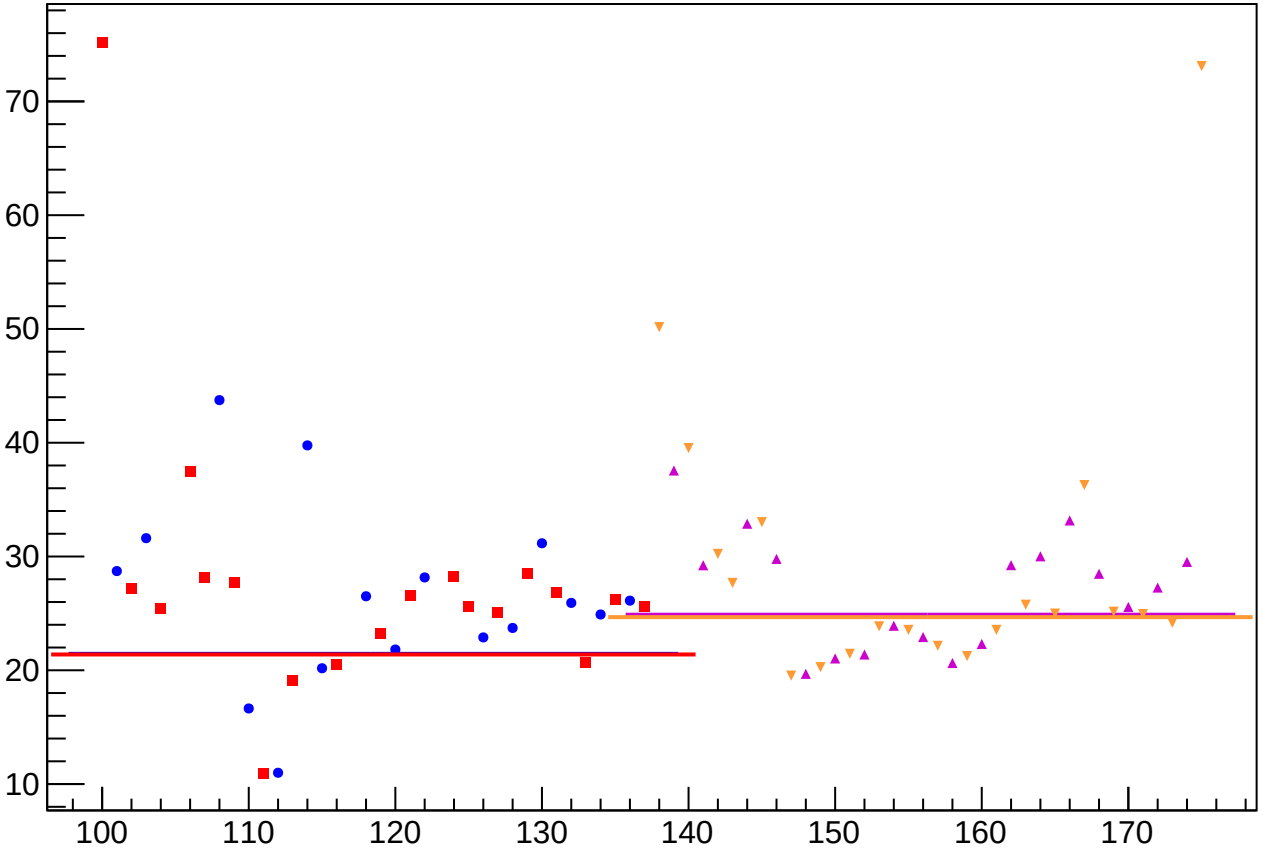
Left In: -0.005+/-0.007 χ^2/NDF:23.9/17

+ sign 0.003+/-0.005 χ^2/NDF: 42.8/35

All: 0.000+/-0.004 χ^2/NDF: 90.4/72

- sign -0.003+/-0.005 χ^2/NDF: 46.9/36

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.672+/-0.005 χ^2/NDF:1796739.0/19

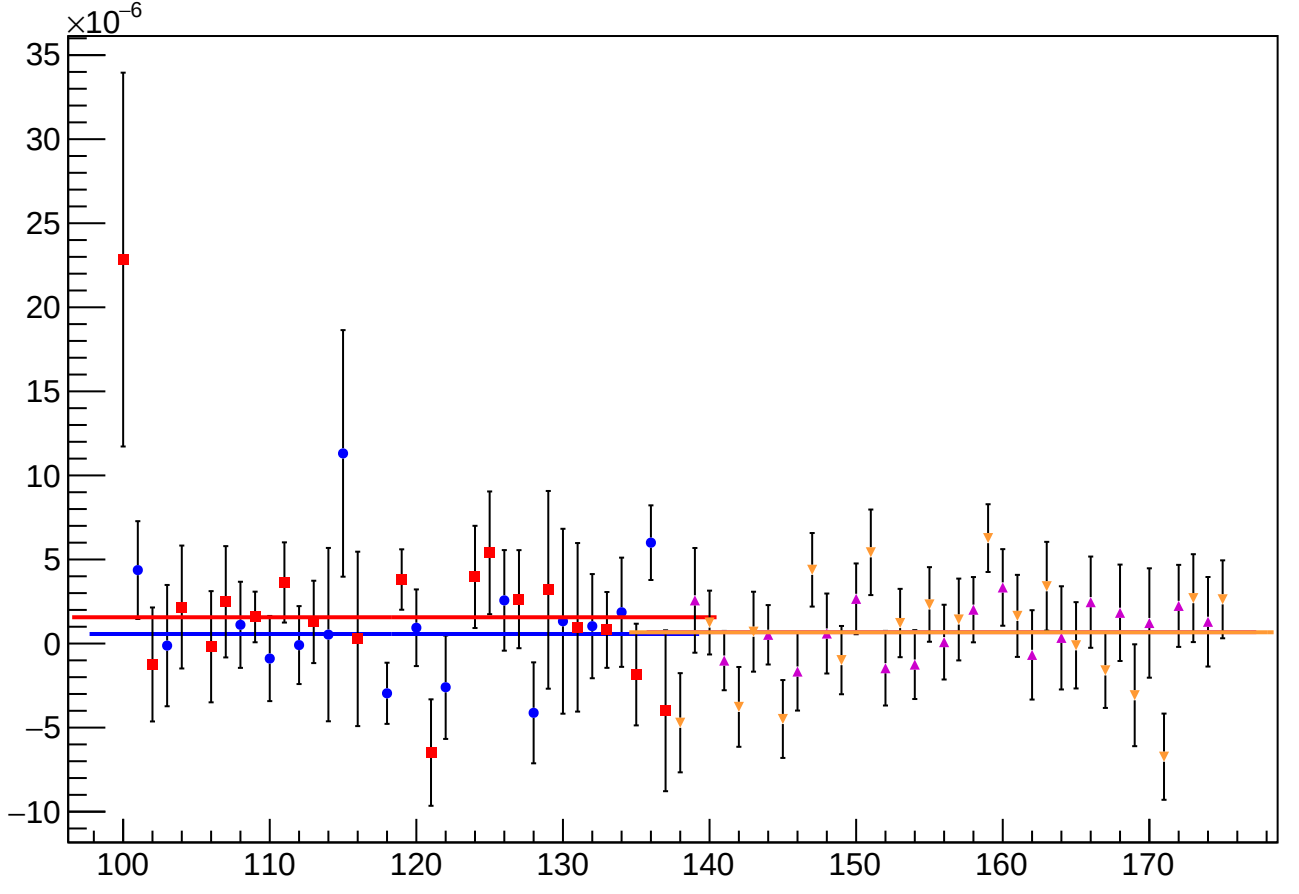
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.884+/-0.005 χ^2/NDF:892919.7/17

+ sign 23.500+/-0.004 χ^2/NDF: 3513466.0/35

All: 23.518+/-0.003 χ^2/NDF: 5925705.9/72

- sign 23.536+/-0.004 χ^2/NDF: 2412193.5/36



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

Left Out: 0.000+/-0.000 χ^2/NDF:40.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

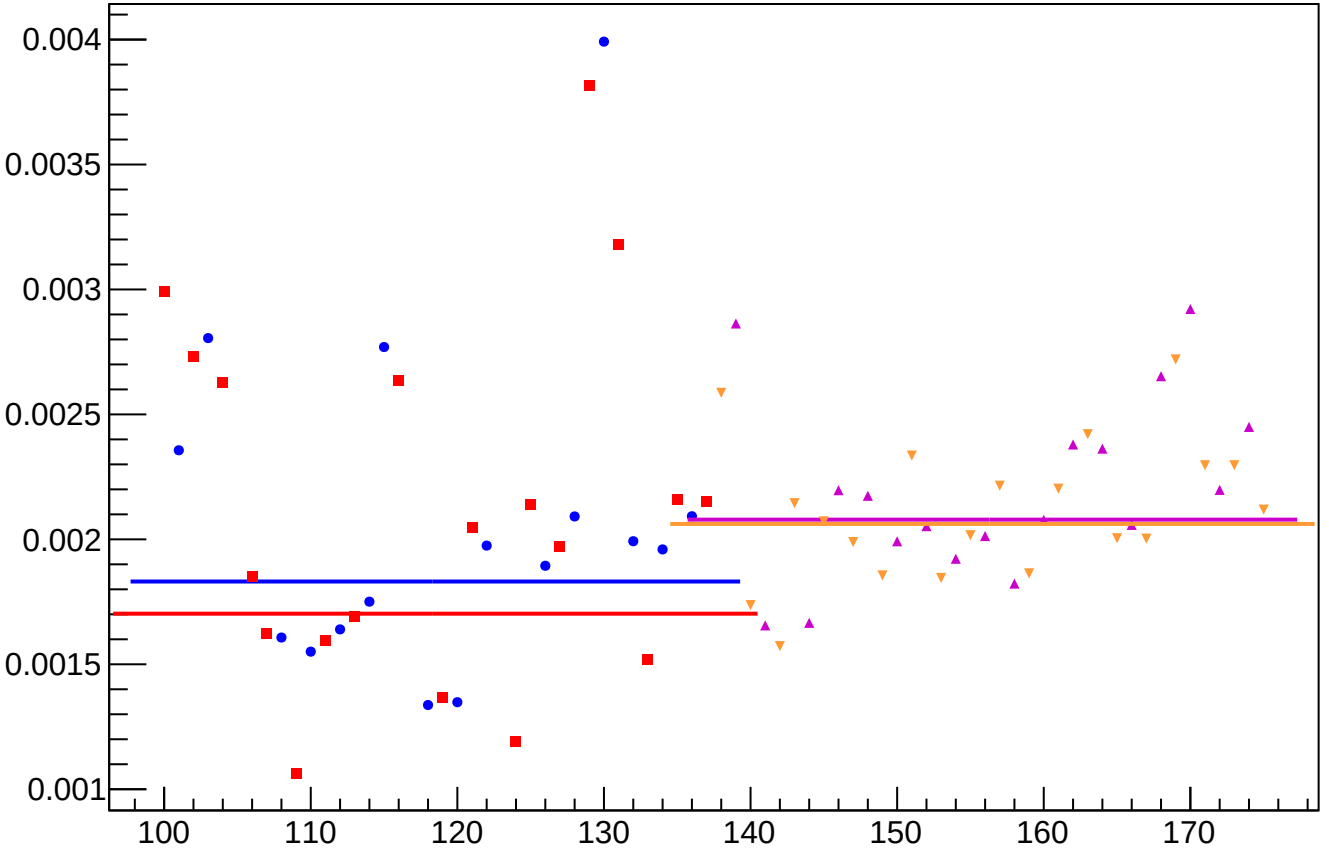
Left In: 0.000+/-0.000 χ^2/NDF:8.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 59.2/35

All: 0.000+/-0.000 χ^2/NDF: 87.3/72

- sign 0.000+/-0.000 χ^2/NDF: 27.6/36

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:480364.8/19

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

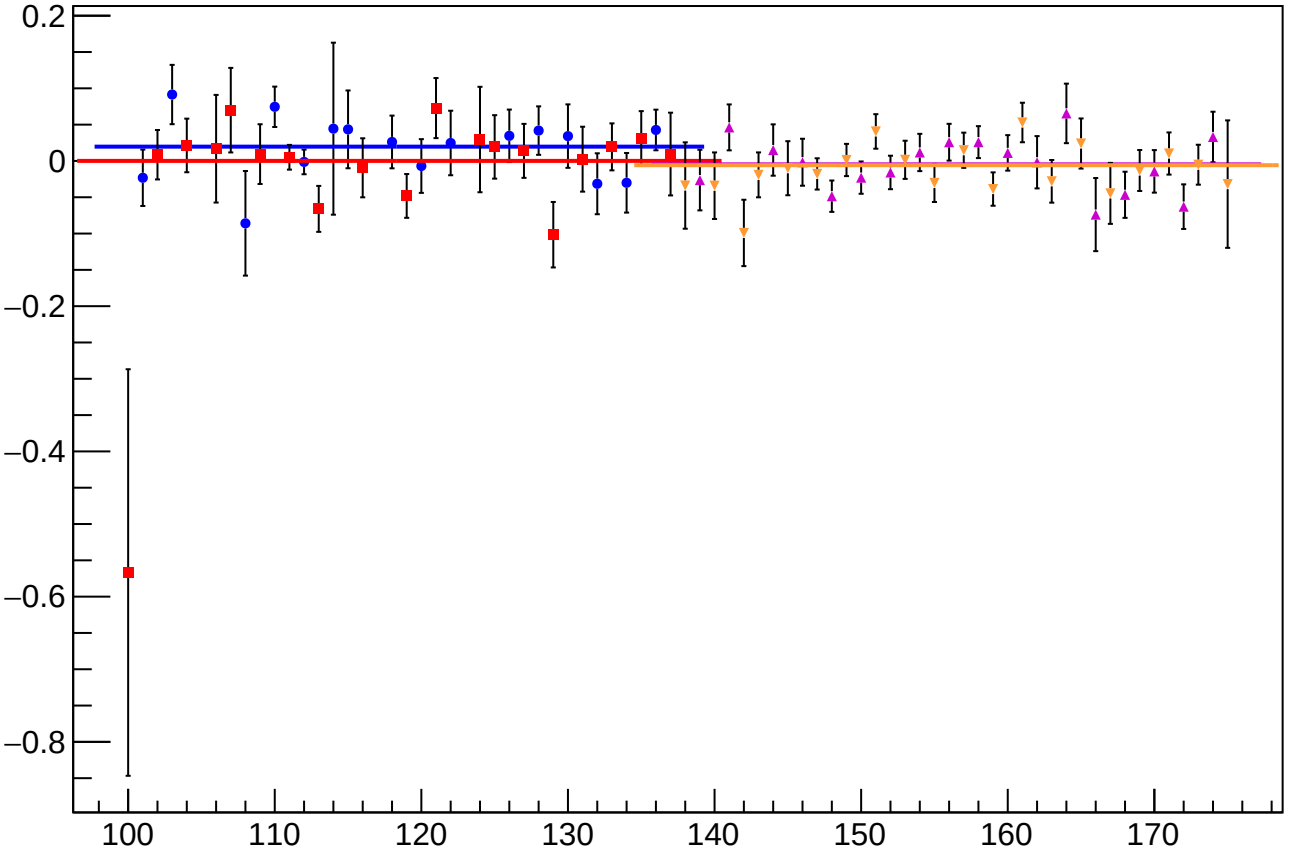
Left In: 0.002+/-0.000 χ^2/NDF:712401.1/17

+ sign 0.002+/-0.000 χ^2/NDF: 1518152.8/35

All: 0.002+/-0.000 χ^2/NDF: 4111644.0/72

- sign 0.002+/-0.000 χ^2/NDF: 2576566.4/36

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.2/19

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

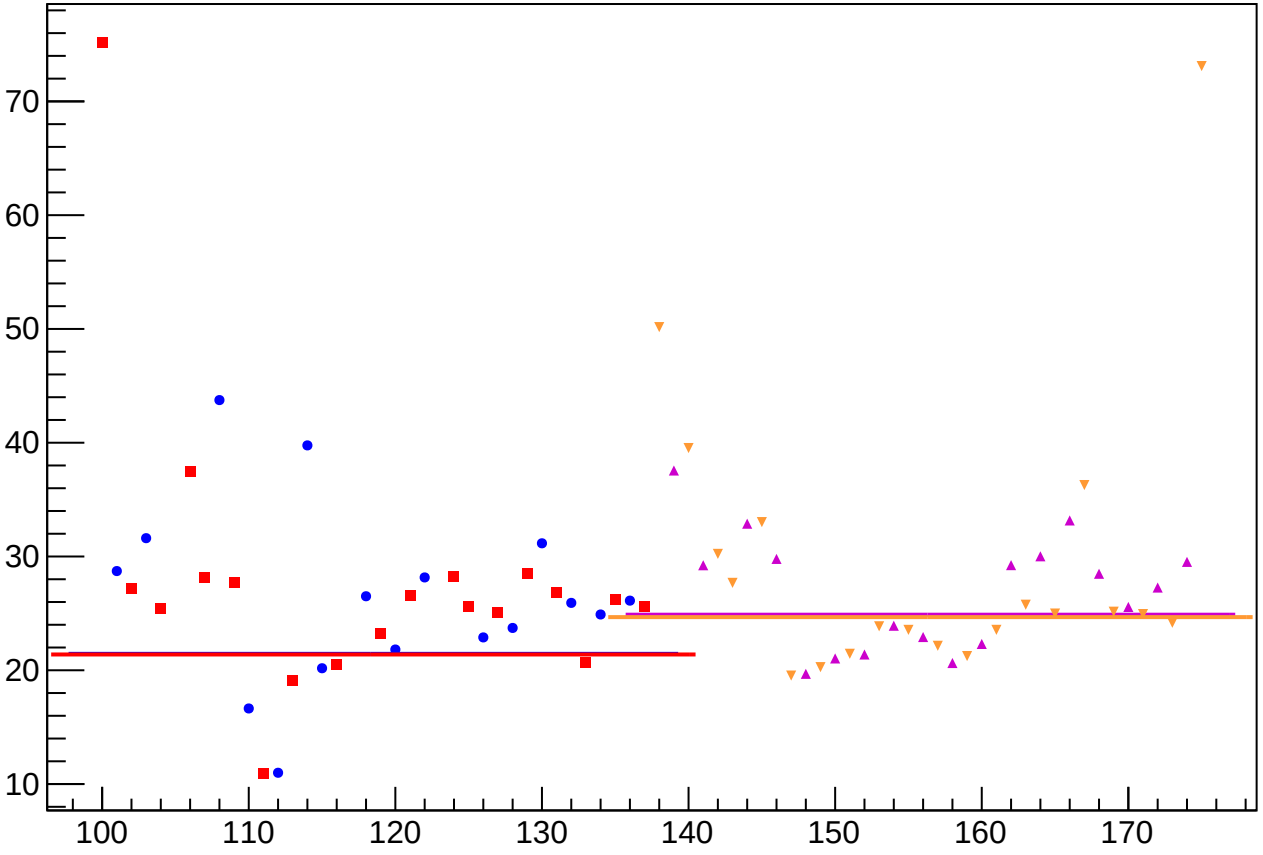
Left In: -0.005+/-0.007 χ^2/NDF:23.9/17

+ sign 0.003+/-0.005 χ^2/NDF: 42.8/35

All: 0.000+/-0.004 χ^2/NDF: 90.4/72

- sign -0.003+/-0.005 χ^2/NDF: 46.9/36

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.672+/-0.005 χ^2/NDF:1796739.2/19

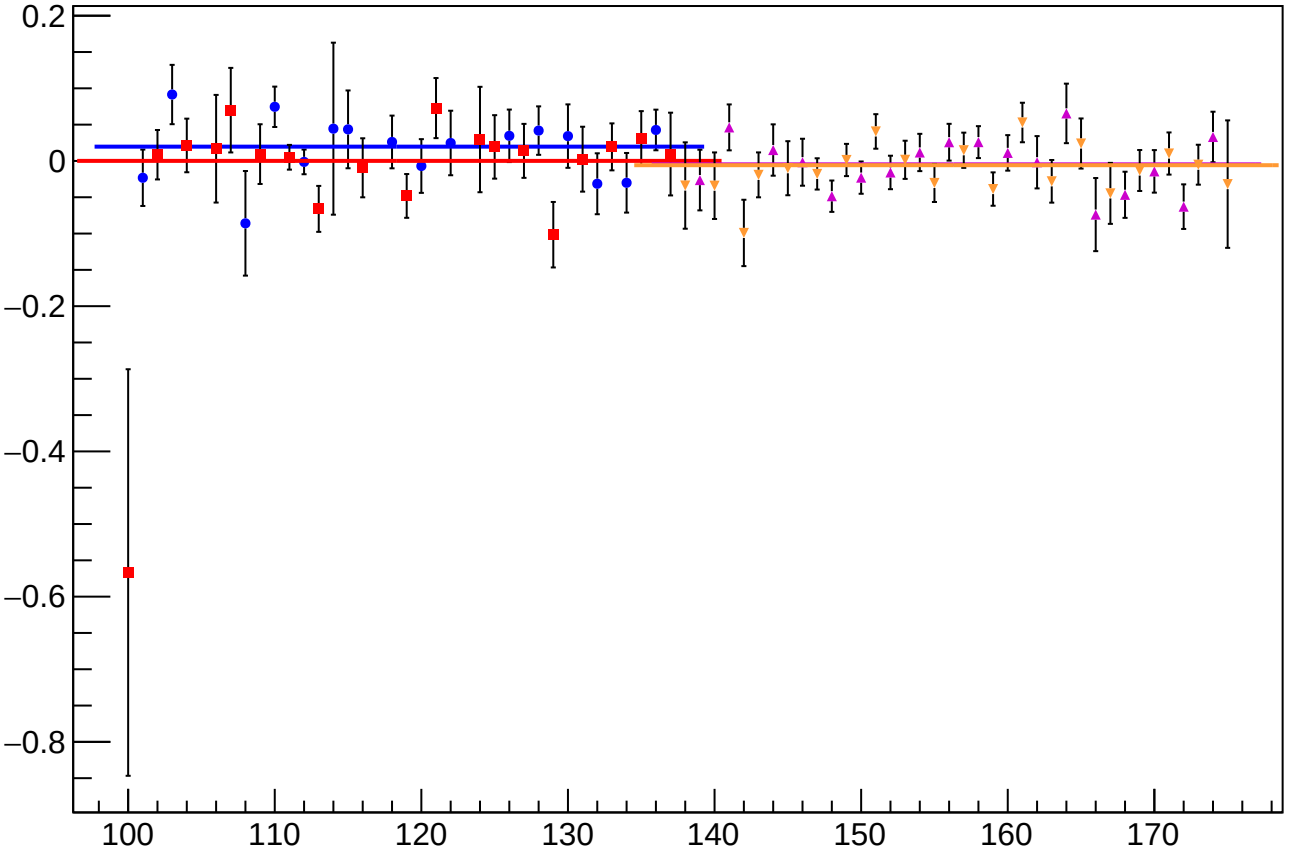
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.884+/-0.005 χ^2/NDF:892925.3/17

+ sign 23.500+/-0.004 χ^2/NDF: 3513702.4/35

All: 23.518+/-0.003 χ^2/NDF: 5926168.5/72

- sign 23.536+/-0.004 χ^2/NDF: 2412419.7/36



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.2/19

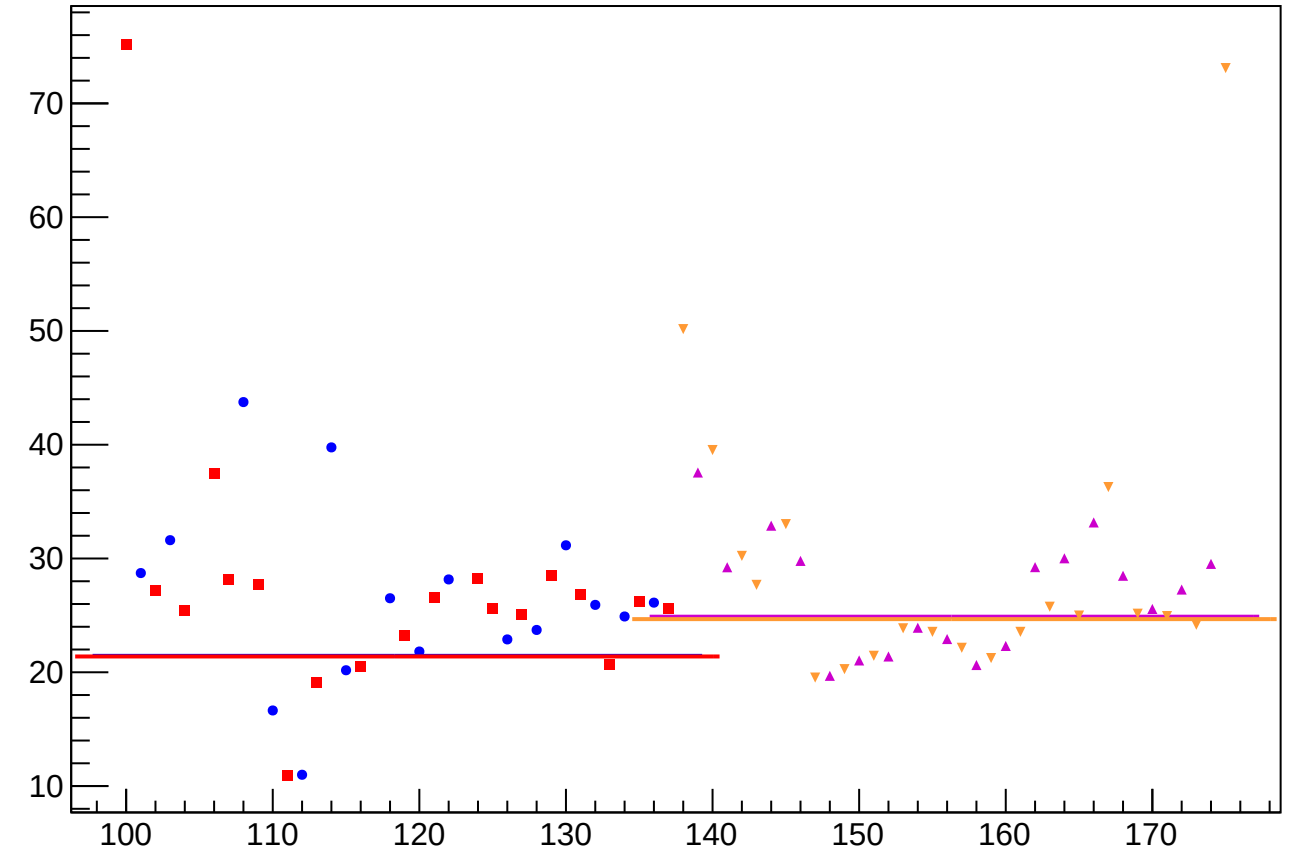
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.005+/-0.007 χ^2/NDF:23.9/17

+ sign 0.003+/-0.005 χ^2/NDF: 42.8/35

All: 0.000+/-0.004 χ^2/NDF: 90.4/72

- sign -0.003+/-0.005 χ^2/NDF: 46.9/36



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.672+/-0.005 χ^2/NDF:1796739.2/19

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

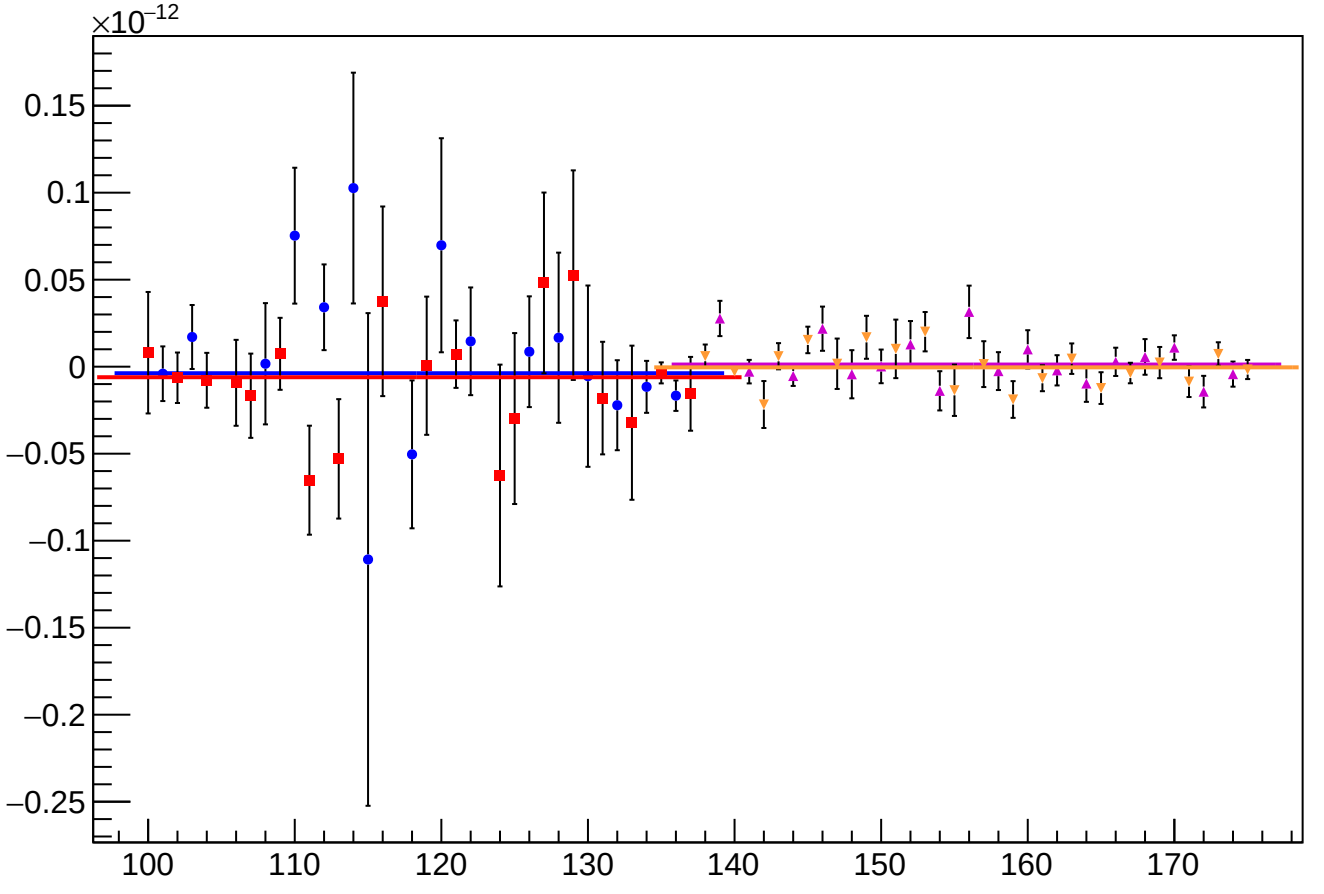
Left In: 24.884+/-0.005 χ^2/NDF:892925.3/17

+ sign 23.500+/-0.004 χ^2/NDF: 3513702.4/35

All: 23.518+/-0.003 χ^2/NDF: 5926168.5/72

- sign 23.536+/-0.004 χ^2/NDF: 2412419.7/36

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:24.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

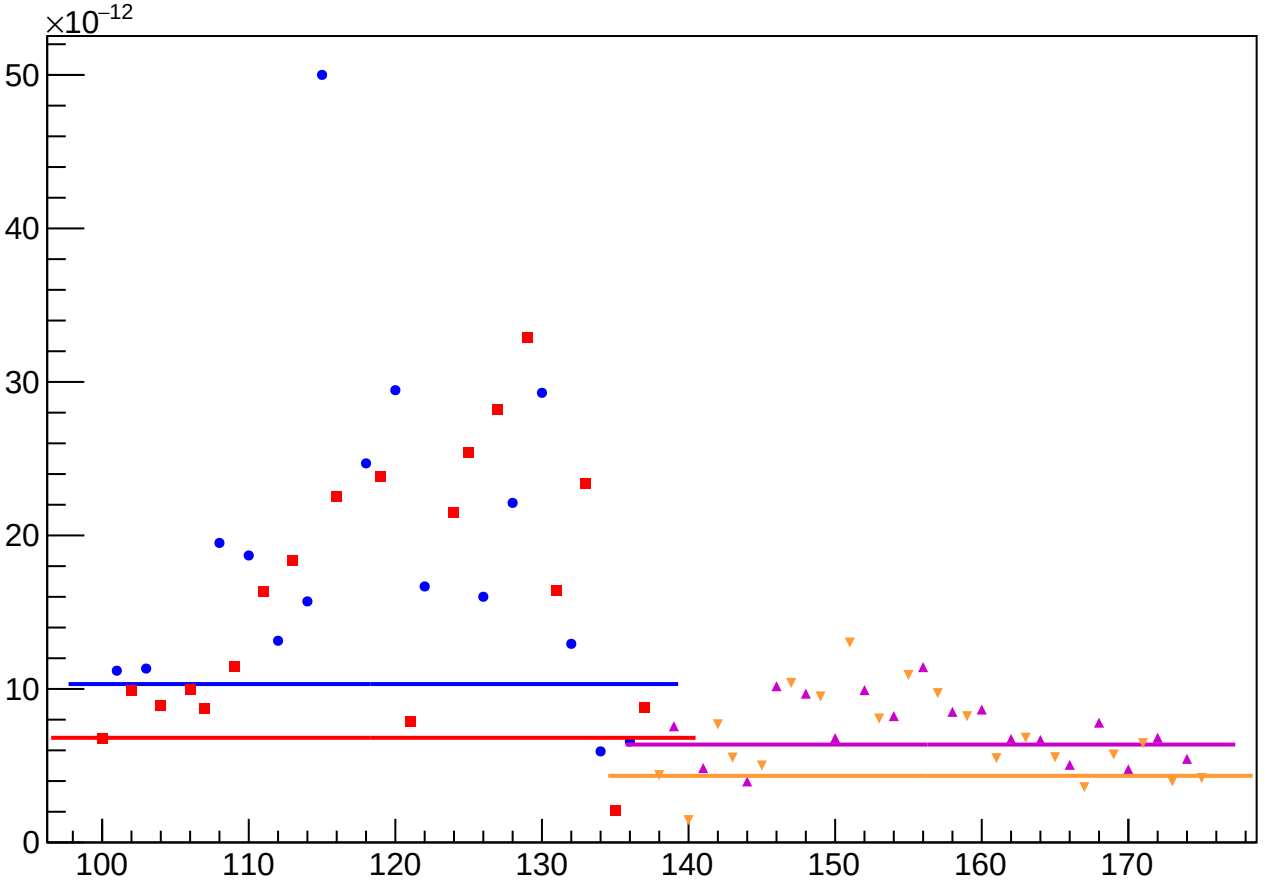
Left In: 0.000+/-0.000 χ^2/NDF:25.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 41.5/35

All: -0.000+/-0.000 χ^2/NDF: 80.7/72

- sign -0.000+/-0.000 χ^2/NDF: 39.1/36

asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5096758.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

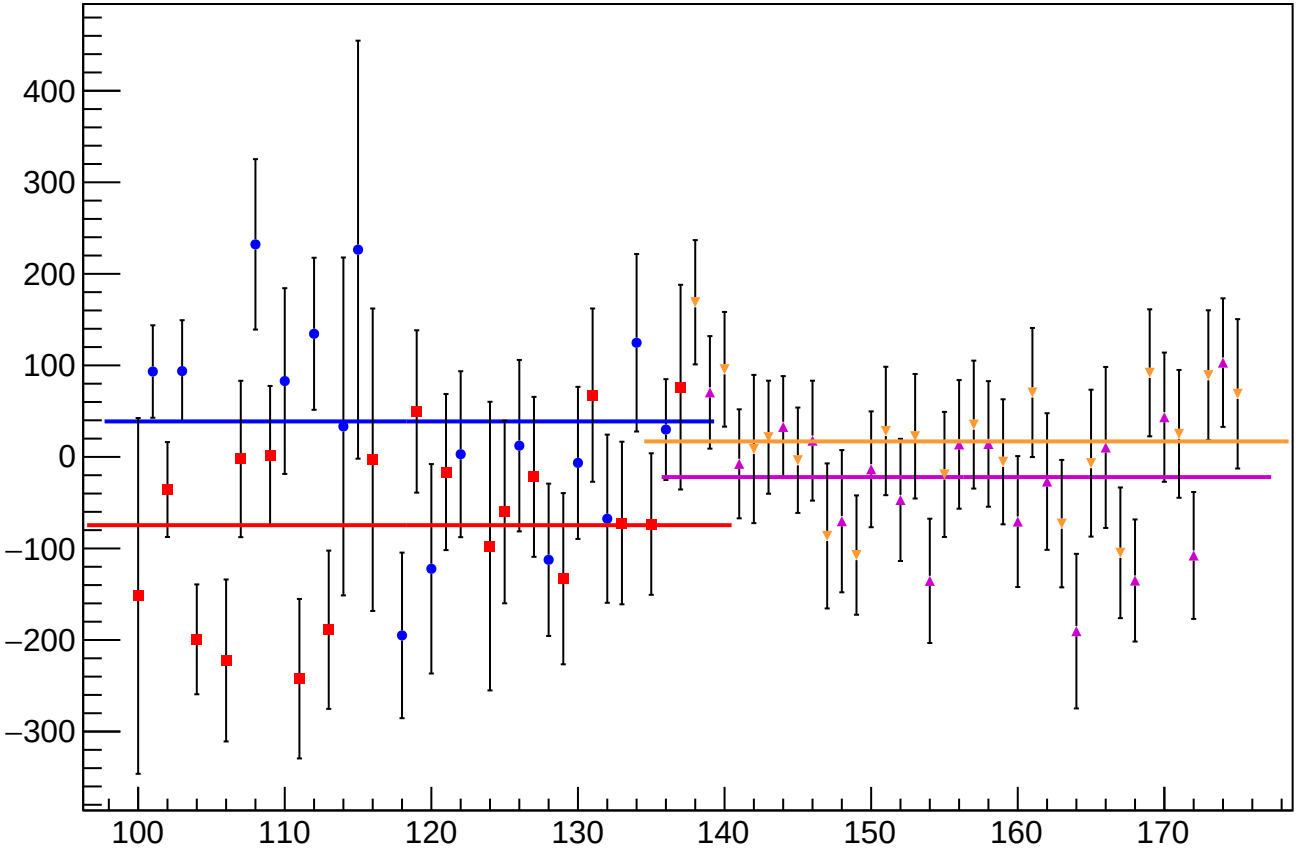
Left In: 0.000+/-0.000 χ^2/NDF:1601194.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 9223522.3/35

All: 0.000+/-0.000 χ^2/NDF: 15741971.9/72

- sign 0.000+/-0.000 χ^2/NDF: 5639563.4/36

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 16.931+/-15.510 χ^2/NDF:20.4/19

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

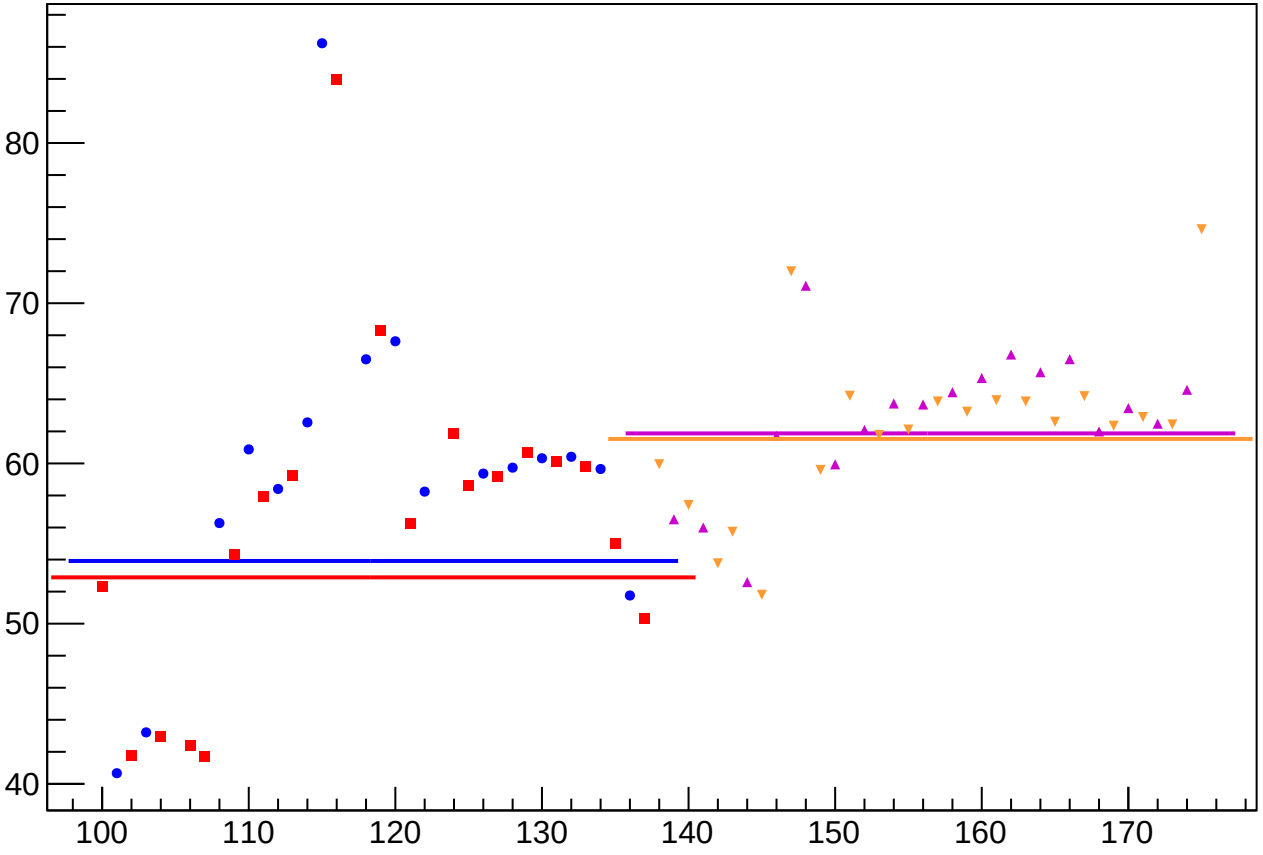
Left In: -22.024+/-16.101 χ^2/NDF:20.5/17

+ sign 24.929+/-12.350 χ^2/NDF: 44.4/35

All: -8.616+/-8.783 χ^2/NDF: 106.6/72

- sign -42.940+/-12.492 χ^2/NDF: 47.2/36

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 61.530+/-0.011 χ^2/NDF:206711.1/19

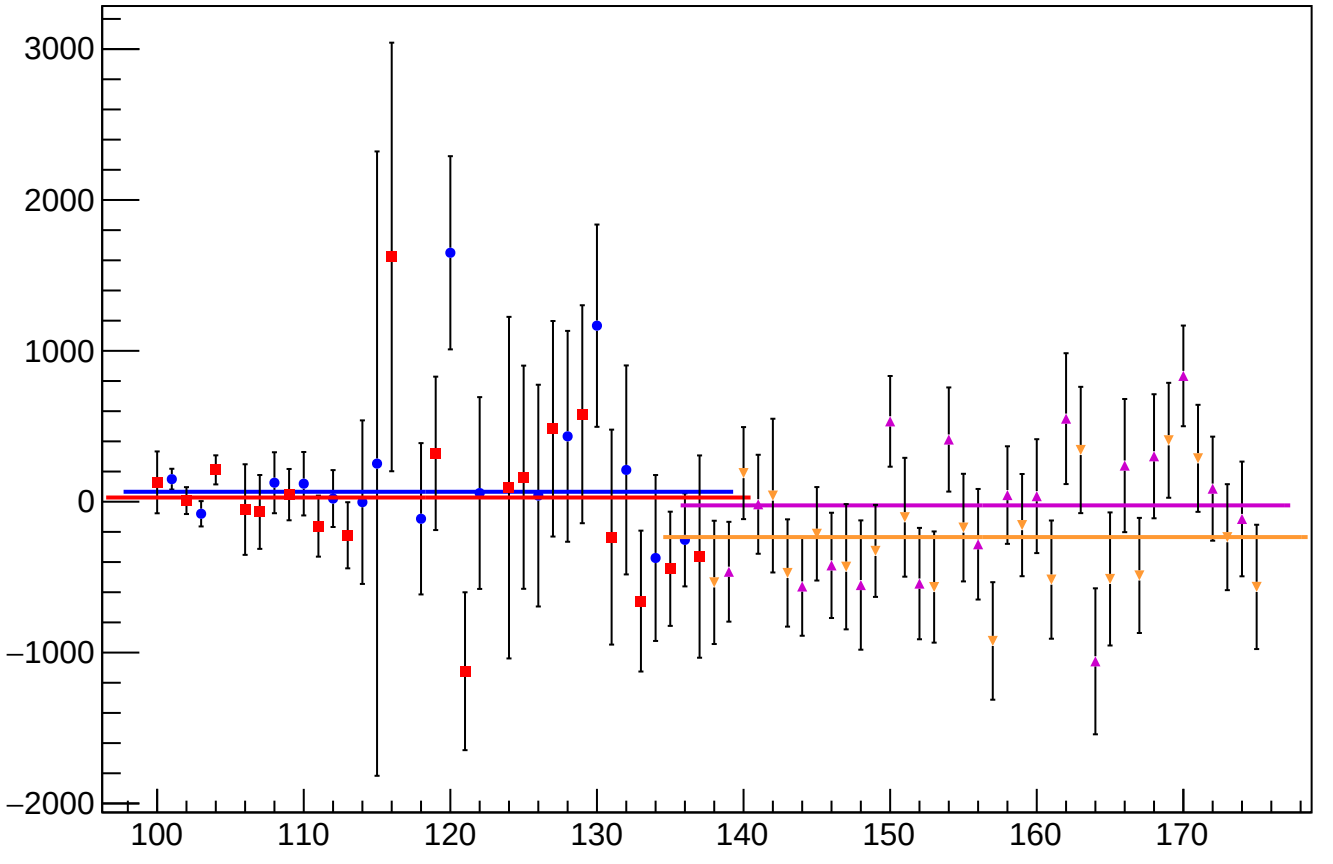
Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 61.875+/-0.011 χ^2/NDF:153503.5/17

+ sign 58.741+/-0.009 χ^2/NDF: 776533.8/35

All: 58.523+/-0.006 χ^2/NDF: 1604509.1/72

- sign 58.299+/-0.009 χ^2/NDF: 826705.6/36



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -234.430+/-82.896 χ^2/NDF:16.6/19

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

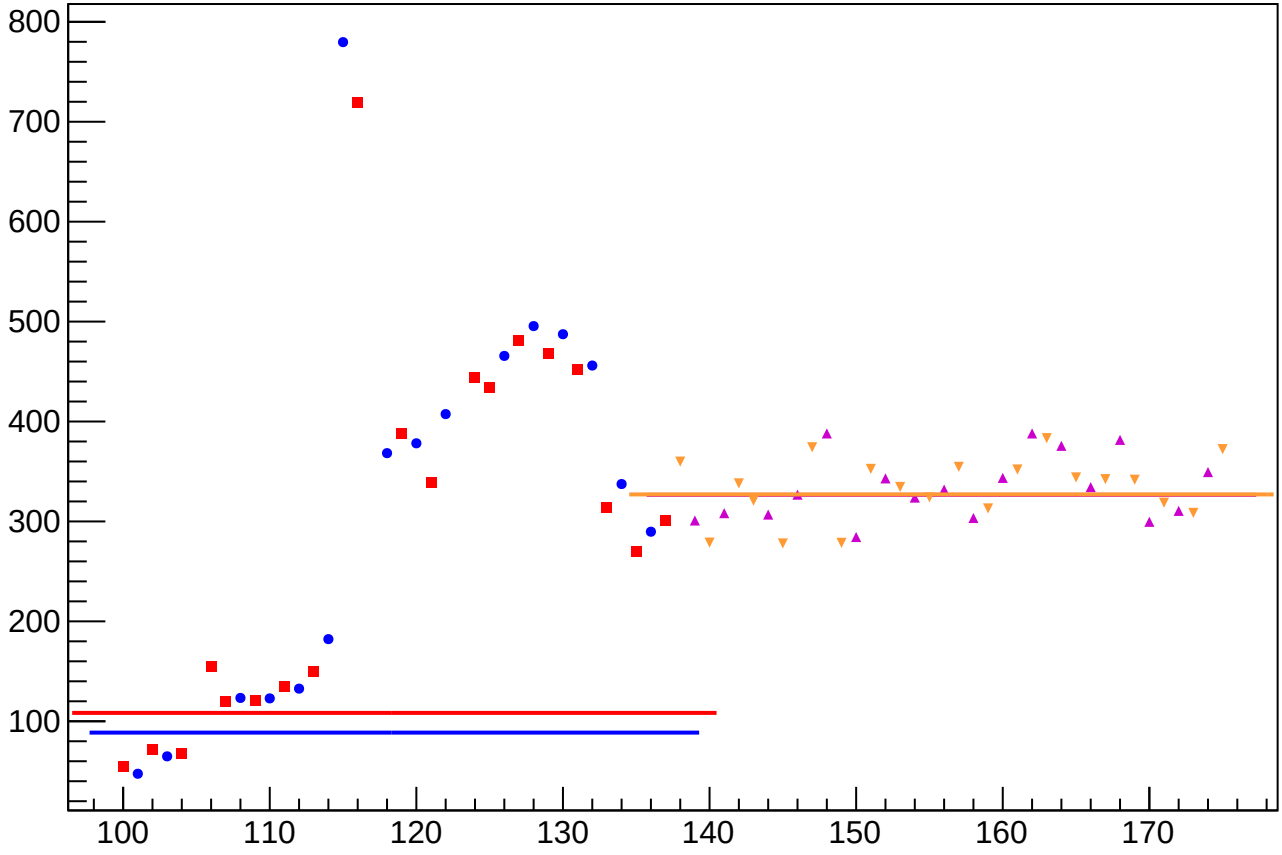
Left In: -24.306+/-85.365 χ^2/NDF:28.9/17

+ sign -5.968+/-40.541 χ^2/NDF: 42.3/35

All: 3.545+/-29.604 χ^2/NDF: 89.6/72

- sign 14.412+/-43.331 χ^2/NDF: 47.2/36

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 327.026+/-0.059 χ^2/NDF:298097.7/19

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

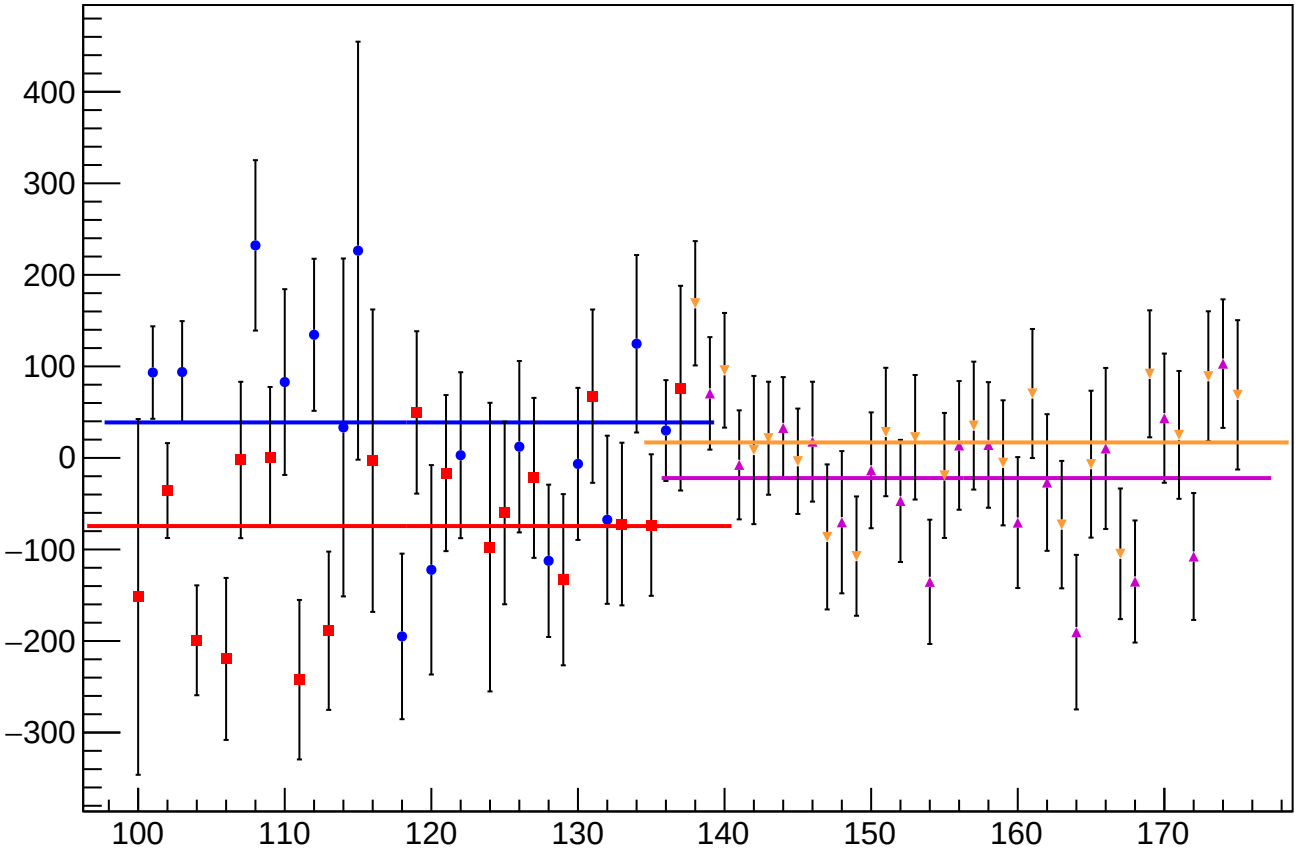
Left In: 326.582+/-0.060 χ^2/NDF:246677.2/17

+ sign 145.670+/-0.029 χ^2/NDF: 19528027.8/35

All: 154.508+/-0.021 χ^2/NDF: 35041225.9/72

- sign 164.604+/-0.031 χ^2/NDF: 15309577.4/36

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 16.932+/-15.510 χ^2/NDF:20.4/19

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

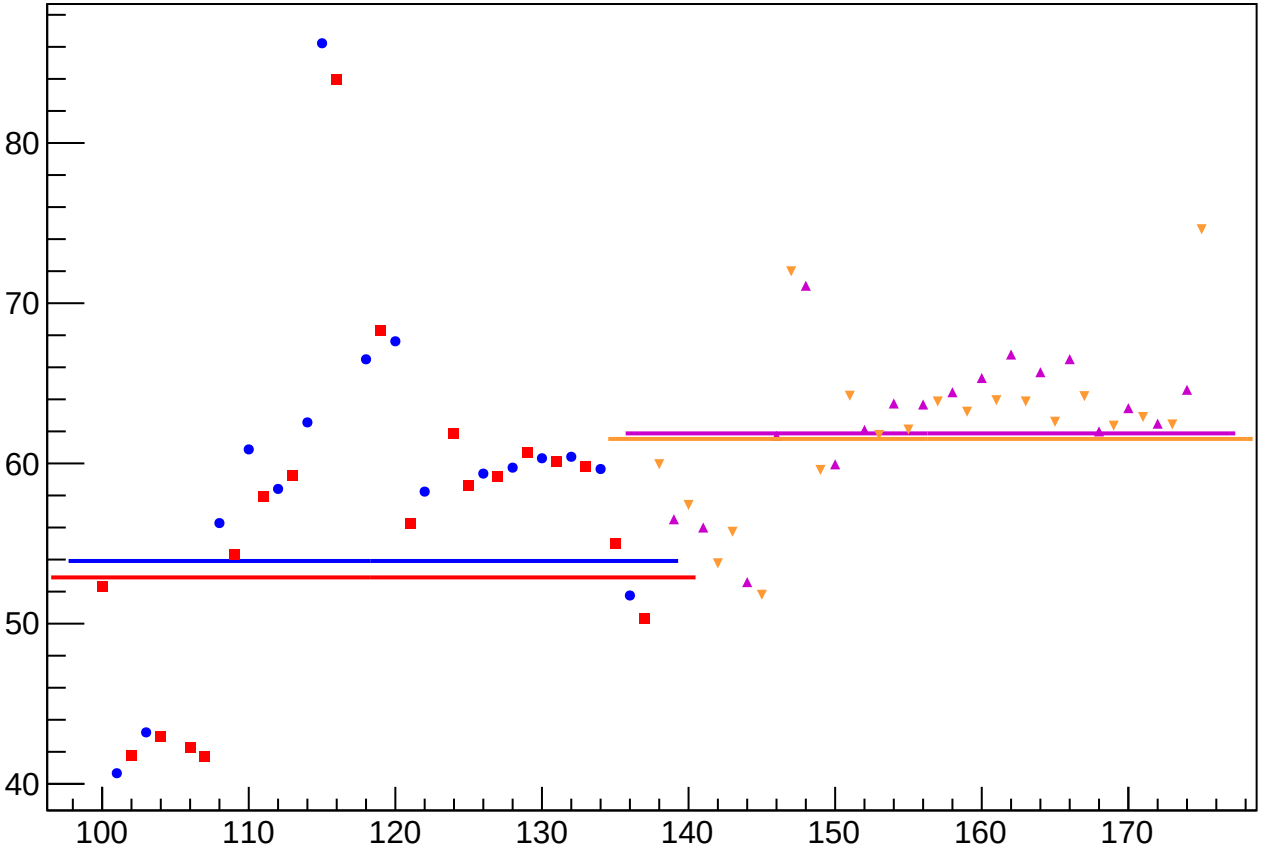
Left In: -22.023+/-16.101 χ^2/NDF:20.5/17

+ sign 24.934+/-12.350 χ^2/NDF: 44.4/35

All: -8.585+/-8.783 χ^2/NDF: 106.5/72

- sign -42.884+/-12.493 χ^2/NDF: 47.1/36

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 61.530+/-0.011 χ^2/NDF:206711.1/19

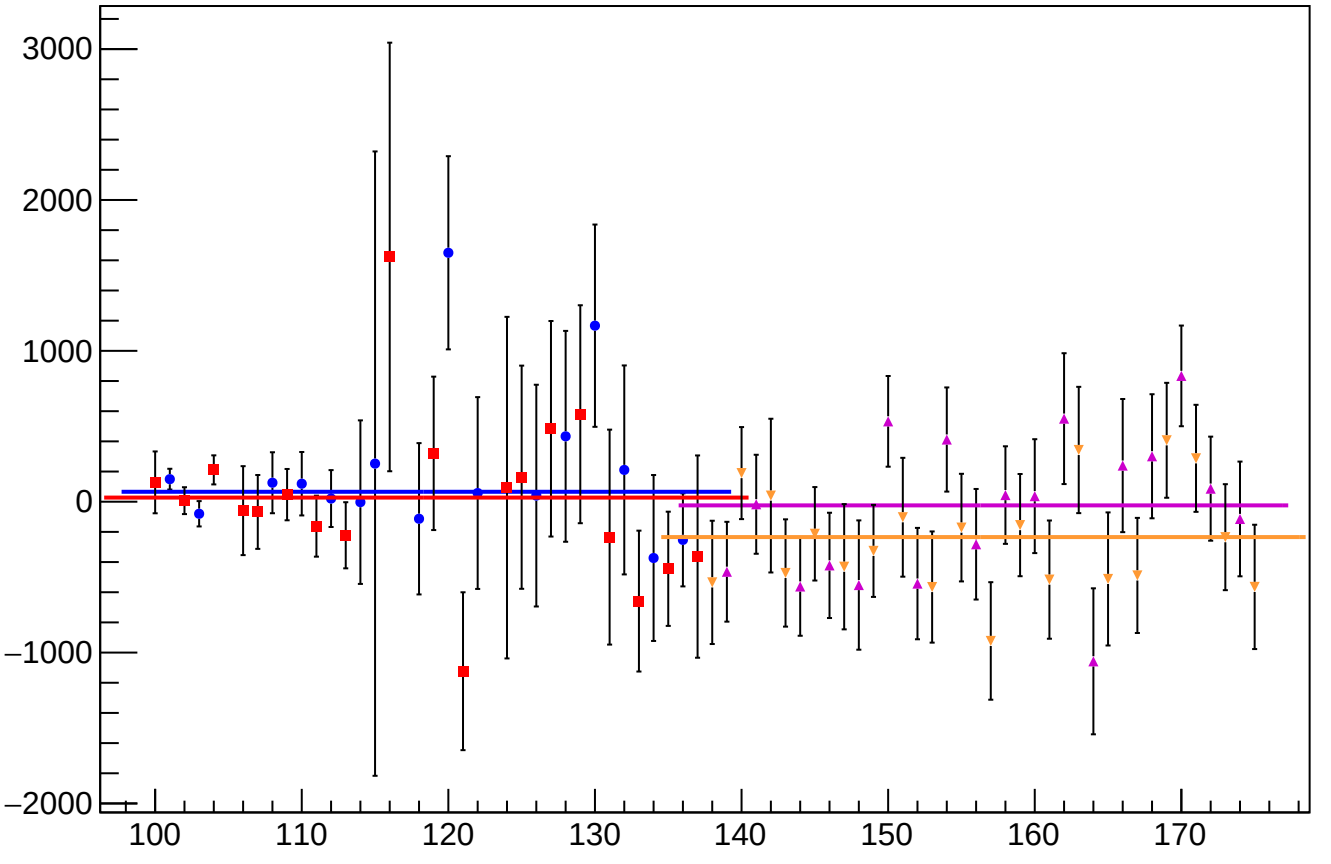
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.875+/-0.011 χ^2/NDF:153503.5/17

+ sign 58.741+/-0.009 χ^2/NDF: 776532.9/35

All: 58.522+/-0.006 χ^2/NDF: 1604921.9/72

- sign 58.298+/-0.009 χ^2/NDF: 827116.0/36



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -234.430+/-82.896 χ^2/NDF:16.6/19

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

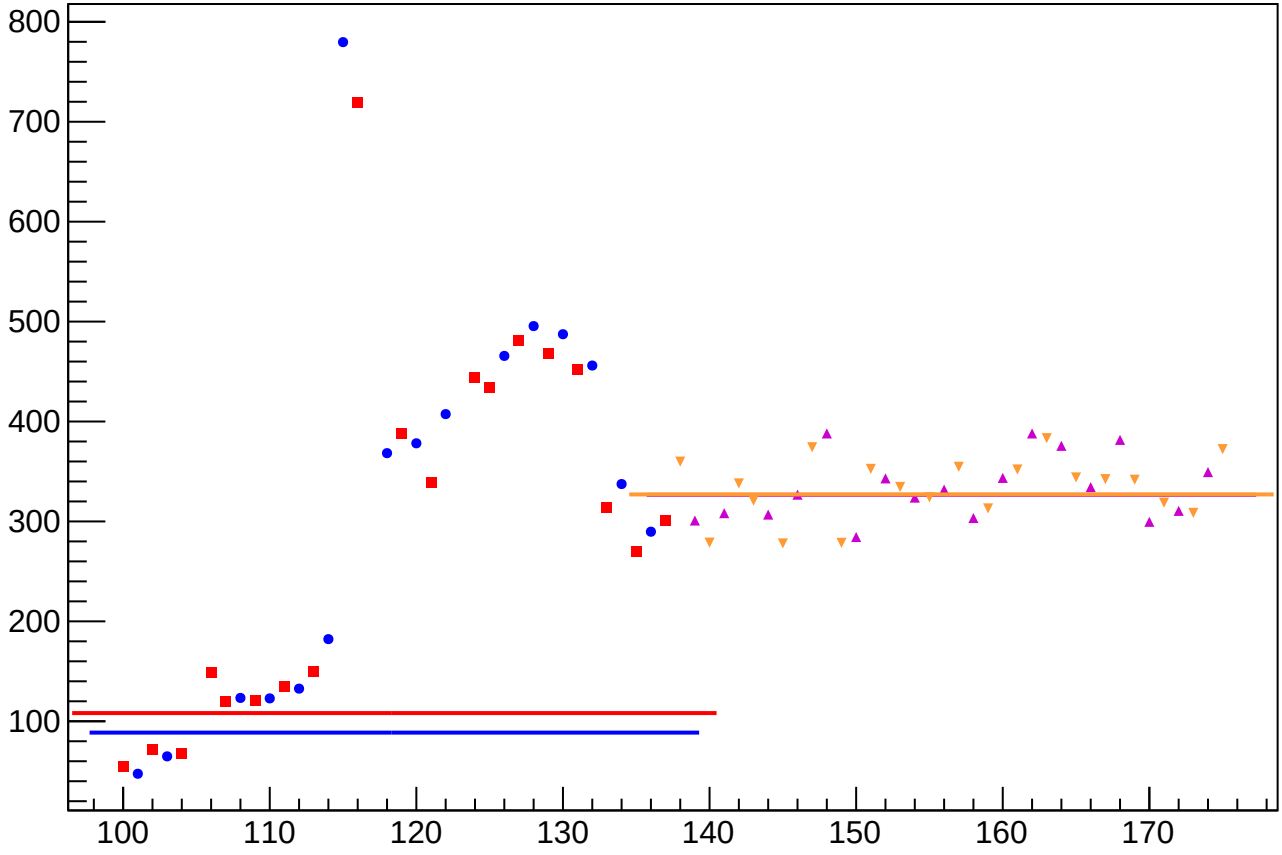
Left In: -24.303+/-85.365 χ^2/NDF:28.9/17

+ sign -5.963+/-40.540 χ^2/NDF: 42.3/35

All: 3.408+/-29.595 χ^2/NDF: 89.6/72

- sign 14.100+/-43.303 χ^2/NDF: 47.2/36

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 327.026+/-0.059 χ^2/NDF:298095.8/19

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

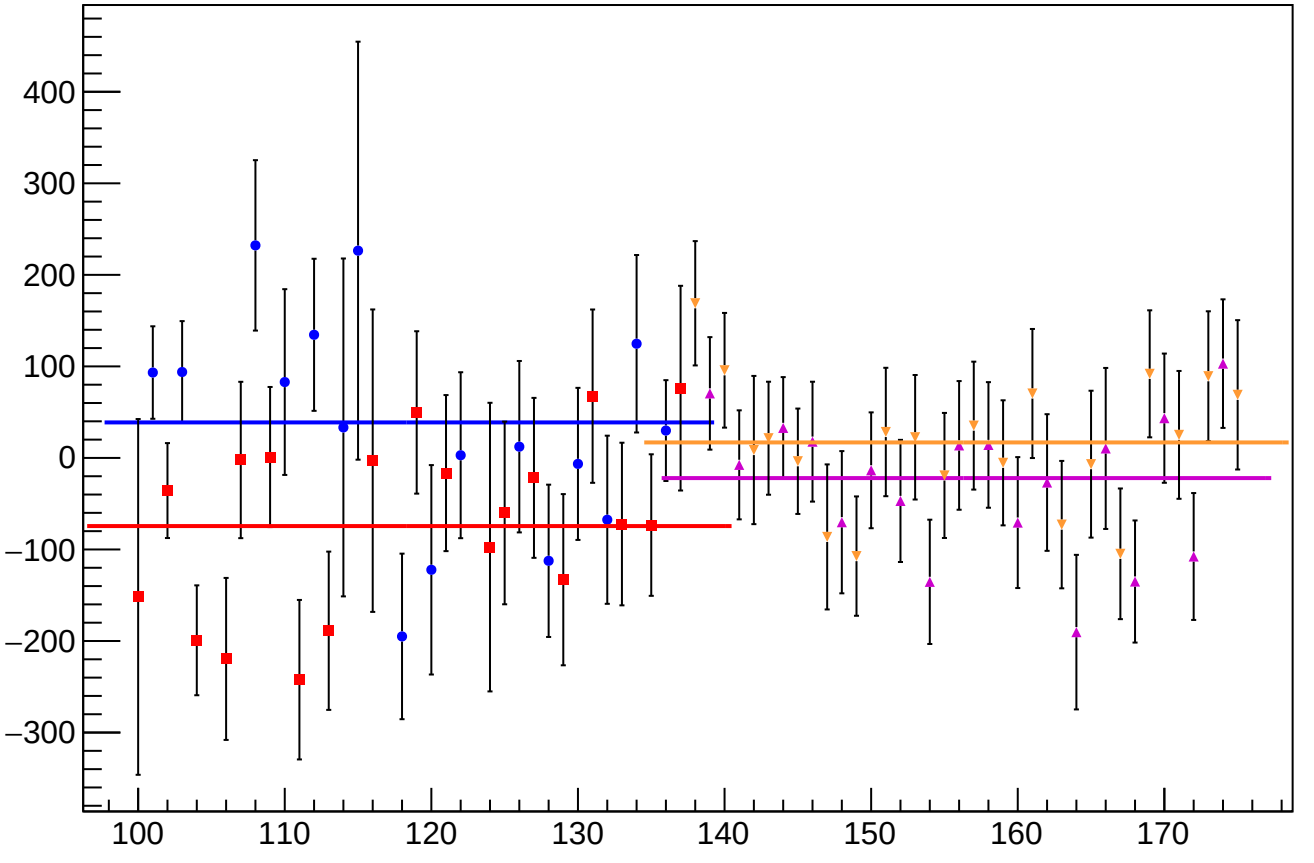
Left In: 326.582+/-0.060 χ^2/NDF:246682.3/17

+ sign 145.666+/-0.029 χ^2/NDF: 19528513.0/35

All: 154.417+/-0.021 χ^2/NDF: 35049733.4/72

- sign 164.400+/-0.031 χ^2/NDF: 15321736.4/36

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 16.932+/-15.510 χ^2/NDF:20.4/19

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

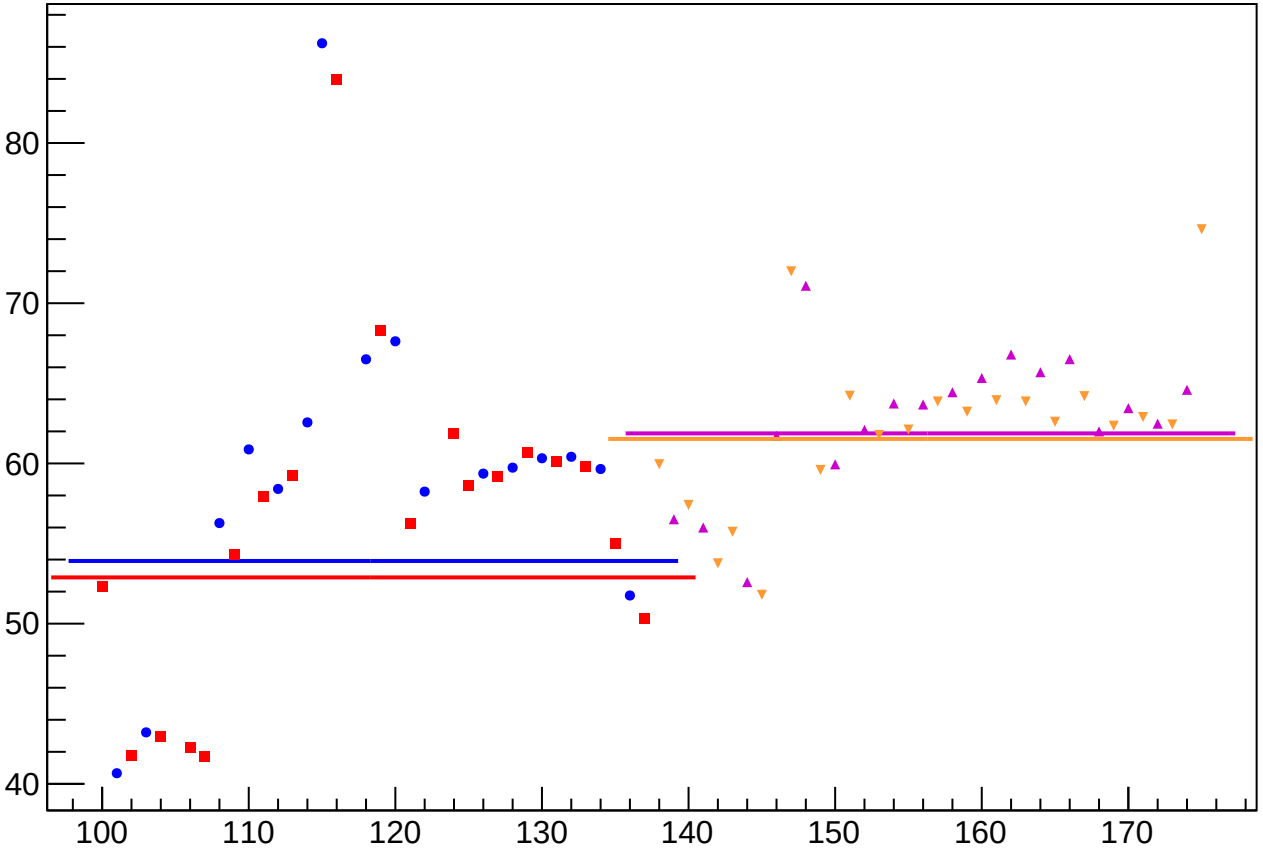
Left In: -22.023+/-16.101 χ^2/NDF:20.5/17

+ sign 24.934+/-12.350 χ^2/NDF: 44.4/35

All: -8.585+/-8.783 χ^2/NDF: 106.5/72

- sign -42.884+/-12.493 χ^2/NDF: 47.1/36

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 61.530+/-0.011 χ^2/NDF:206711.1/19

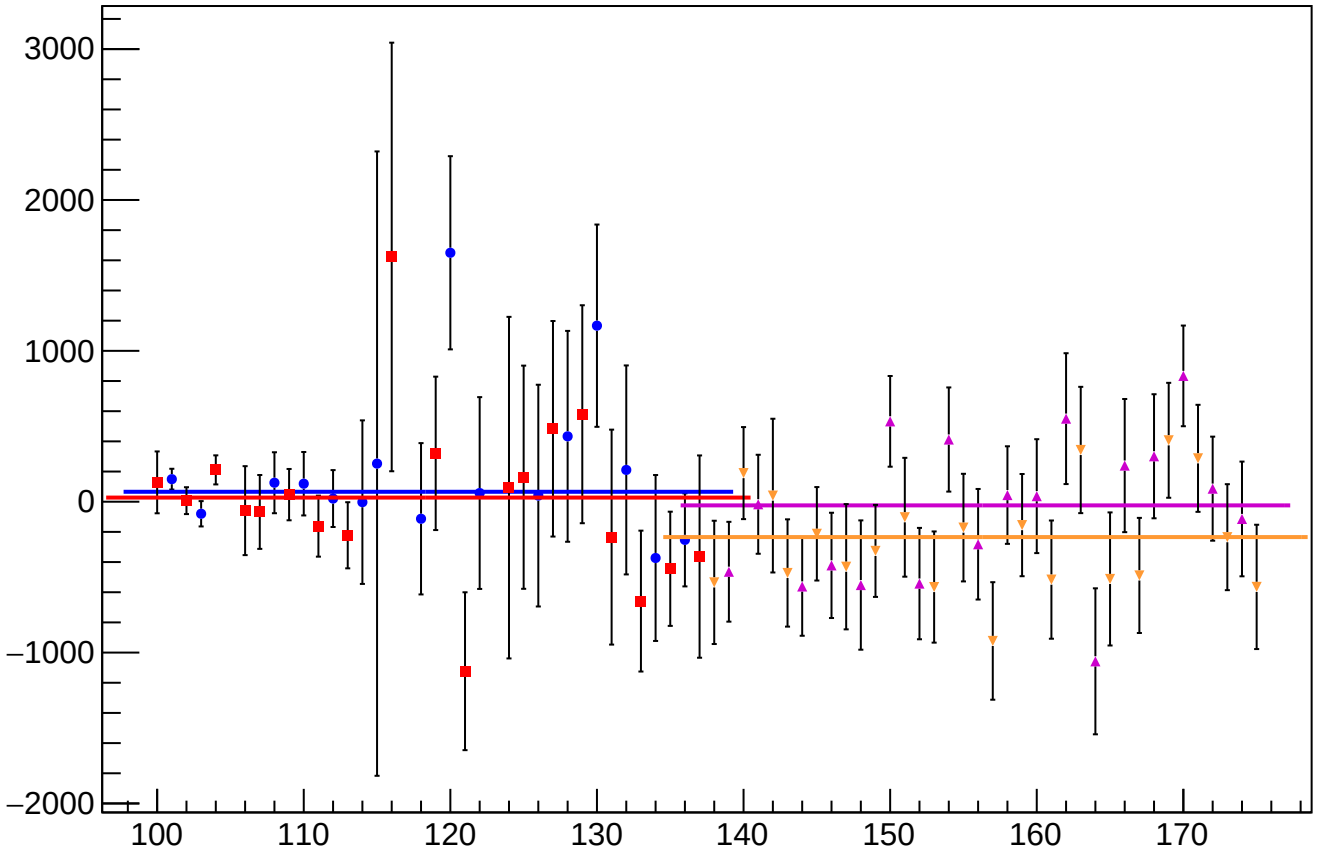
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.875+/-0.011 χ^2/NDF:153503.5/17

+ sign 58.741+/-0.009 χ^2/NDF: 776532.9/35

All: 58.522+/-0.006 χ^2/NDF: 1604921.9/72

- sign 58.298+/-0.009 χ^2/NDF: 827116.0/36



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -234.430+/-82.896 χ^2/NDF:16.6/19

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

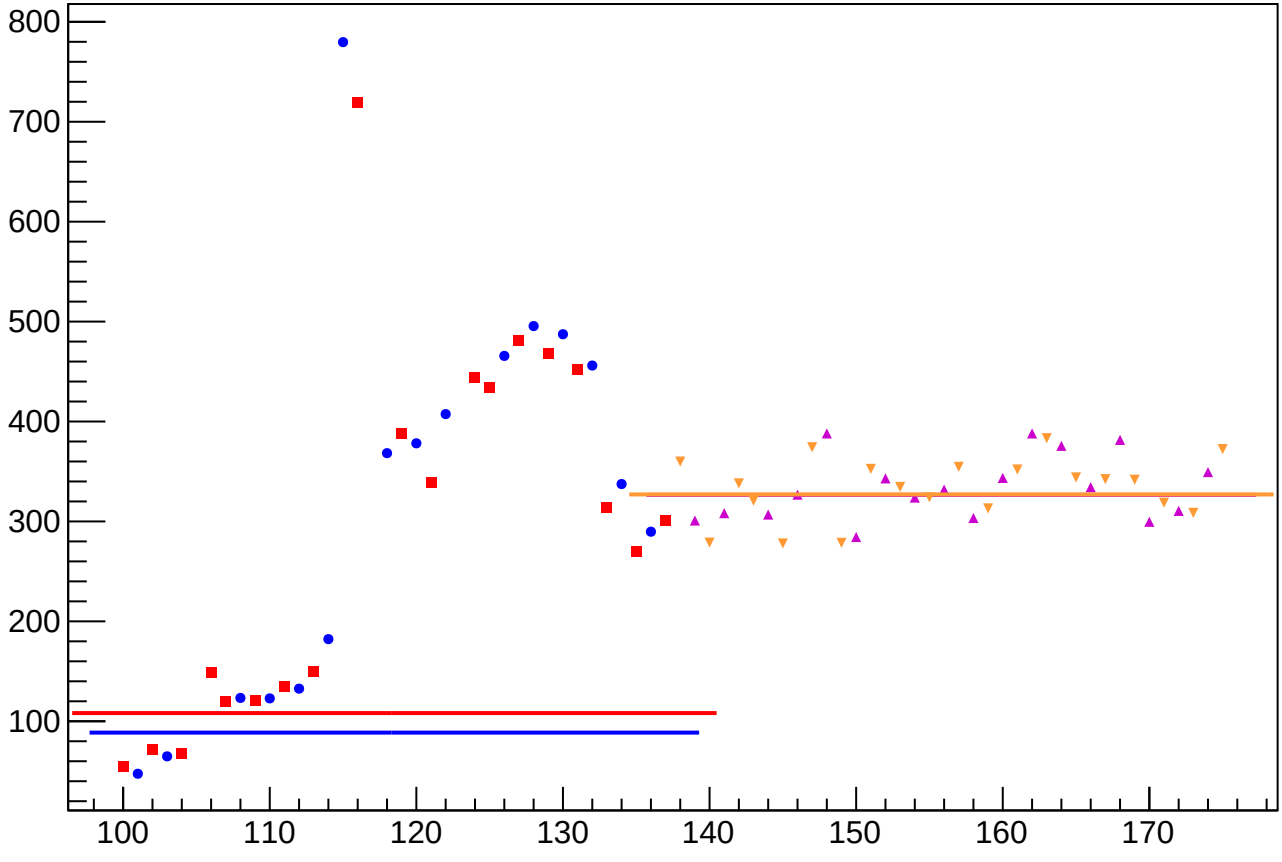
Left In: -24.303+/-85.365 χ^2/NDF:28.9/17

+ sign -5.963+/-40.540 χ^2/NDF: 42.3/35

All: 3.408+/-29.595 χ^2/NDF: 89.6/72

- sign 14.100+/-43.303 χ^2/NDF: 47.2/36

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 327.026+/-0.059 χ^2/NDF:298095.8/19

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

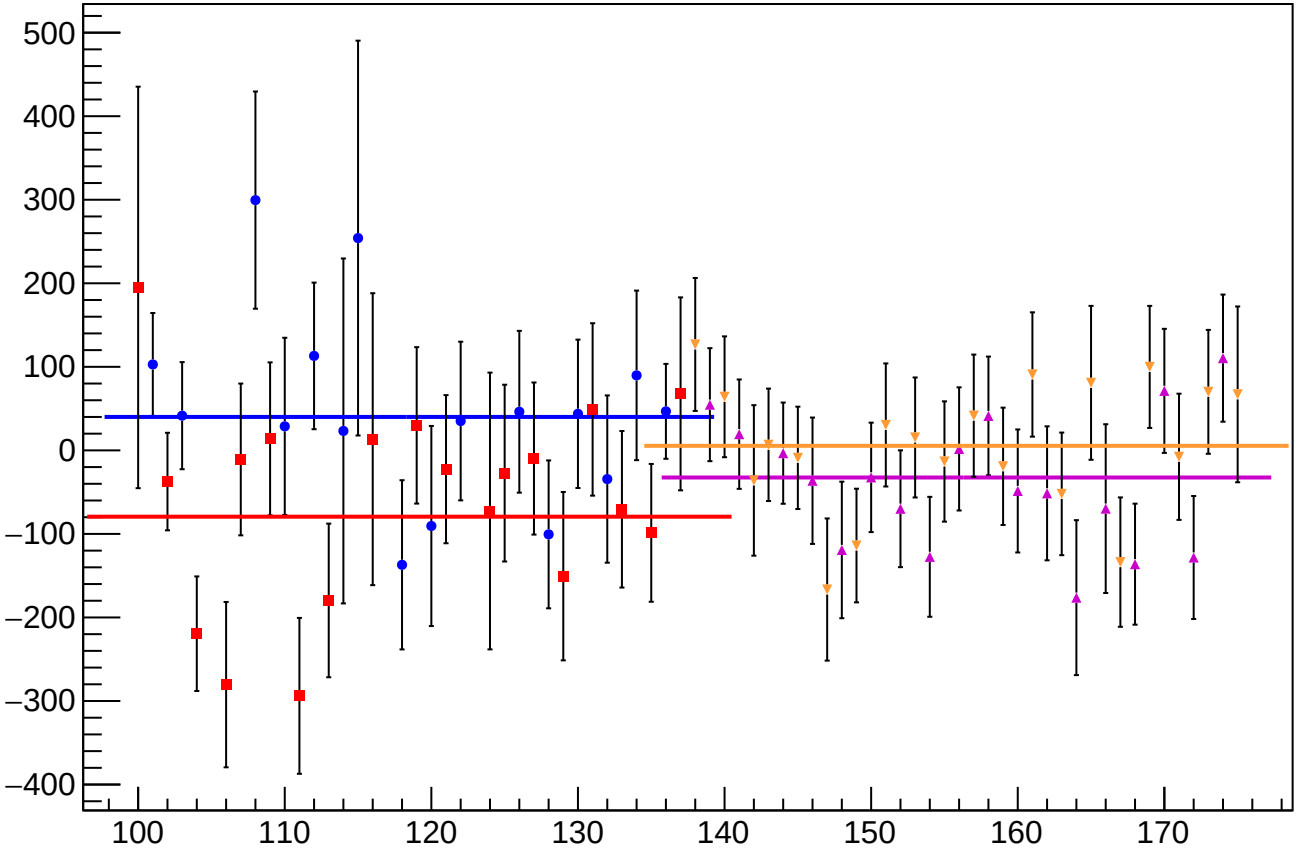
Left In: 326.582+/-0.060 χ^2/NDF:246682.3/17

+ sign 145.666+/-0.029 χ^2/NDF: 19528513.0/35

All: 154.417+/-0.021 χ^2/NDF: 35049733.4/72

- sign 164.400+/-0.031 χ^2/NDF: 15321736.4/36

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 5.443+/-16.759 χ^2/NDF:19.6/19

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

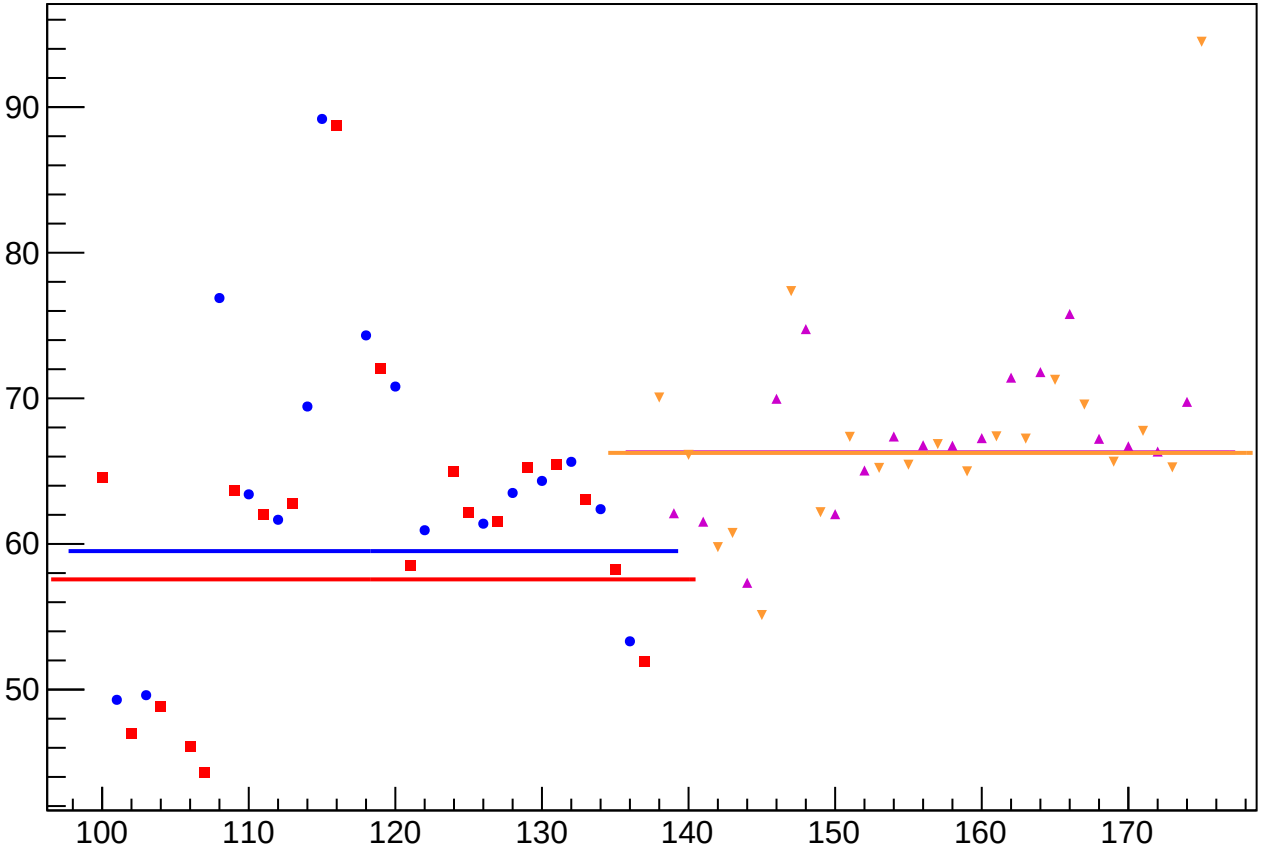
Left In: -32.460+/-17.287 χ^2/NDF:18.8/17

+ sign 17.774+/-13.443 χ^2/NDF: 35.3/35

All: -16.392+/-9.523 χ^2/NDF: 94.8/72

- sign -50.802+/-13.491 χ^2/NDF: 46.5/36

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 66.255+/-0.012 χ^2/NDF:293273.4/19

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

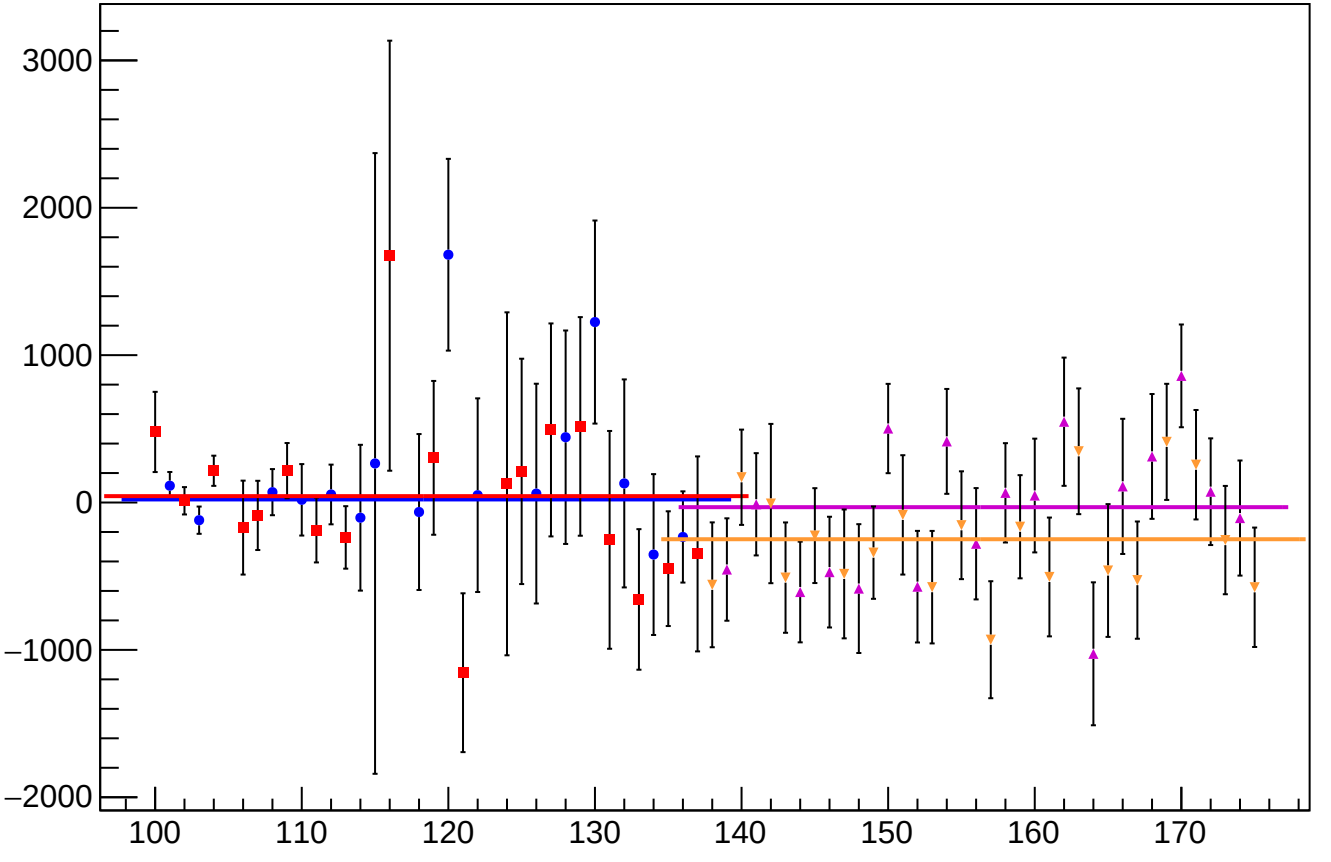
Left In: 66.293+/-0.012 χ^2/NDF:135658.6/17

+ sign 63.850+/-0.010 χ^2/NDF: 692001.8/35

All: 63.367+/-0.007 χ^2/NDF: 1379433.2/72

- sign 62.882+/-0.010 χ^2/NDF: 682264.6/36

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -249.158+/-85.816 χ^2/NDF:15.6/19

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

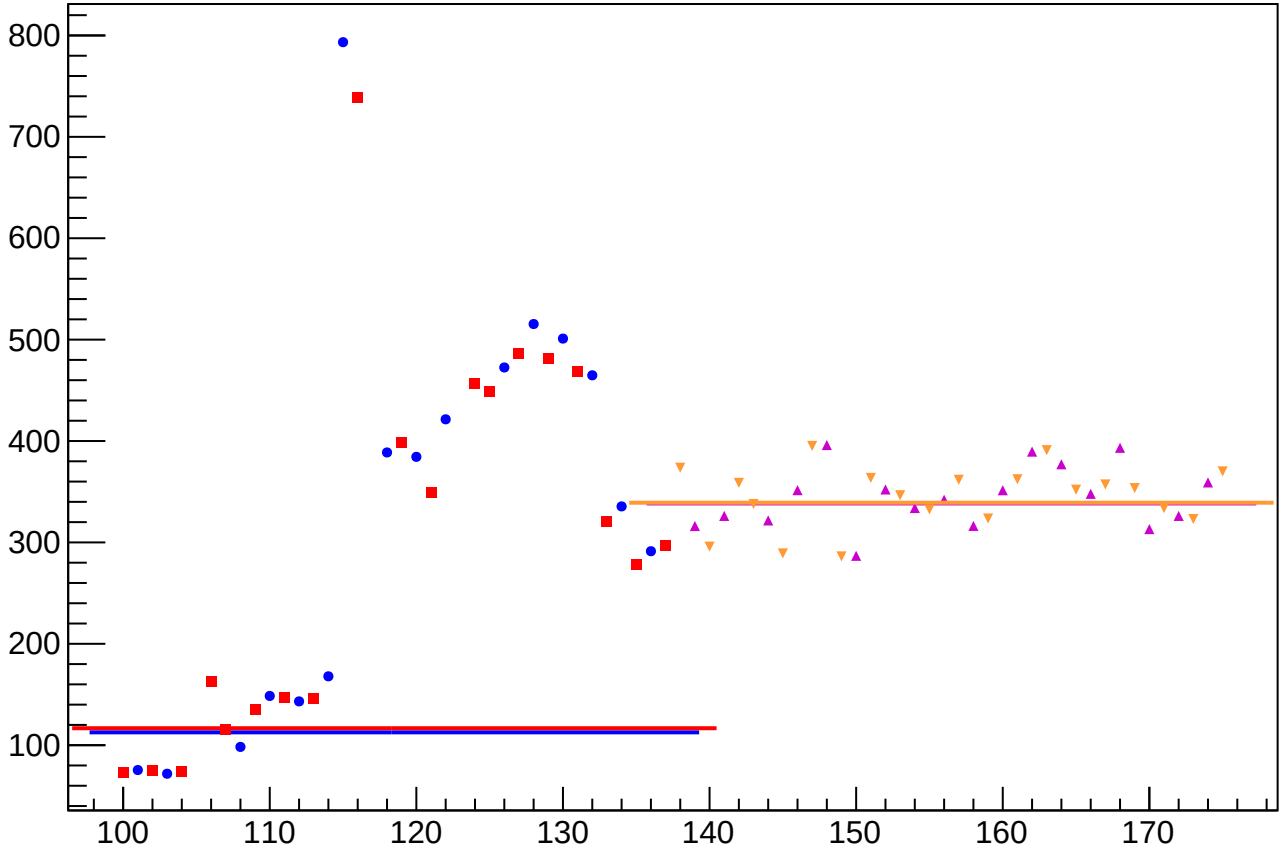
Left In: -31.574+/-88.373 χ^2/NDF:28.0/17

+ sign -54.901+/-45.452 χ^2/NDF: 37.4/35

All: -15.890+/-32.186 χ^2/NDF: 88.9/72

- sign 23.350+/-45.585 χ^2/NDF: 50.0/36

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 339.165+/-0.061 χ^2/NDF:269585.2/19

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

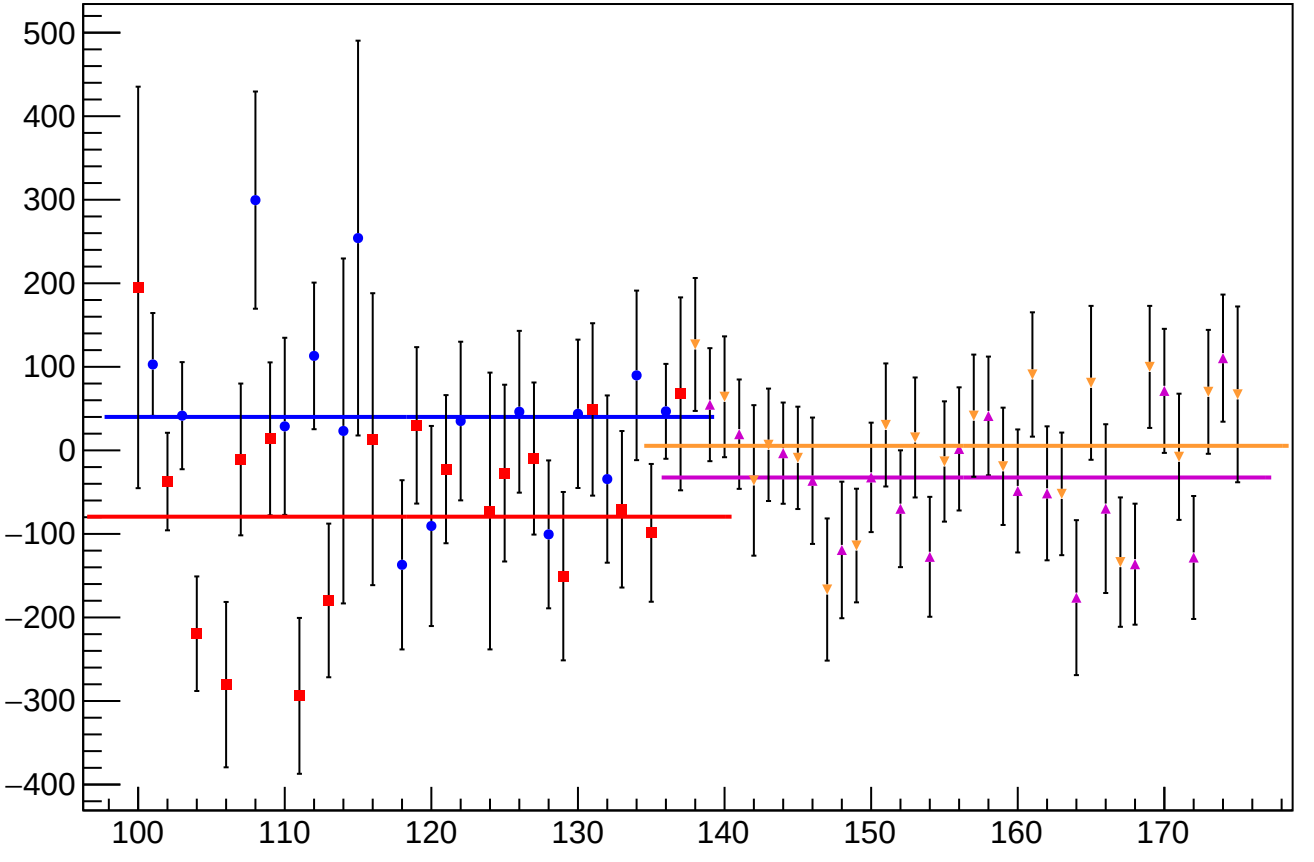
Left In: 338.438+/-0.062 χ^2/NDF:218092.1/17

+ sign 176.206+/-0.032 χ^2/NDF: 15893157.9/35

All: 175.965+/-0.023 χ^2/NDF: 30491087.0/72

- sign 175.723+/-0.032 χ^2/NDF: 14597816.2/36

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 5.443+/-16.759 χ^2/NDF:19.6/19

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

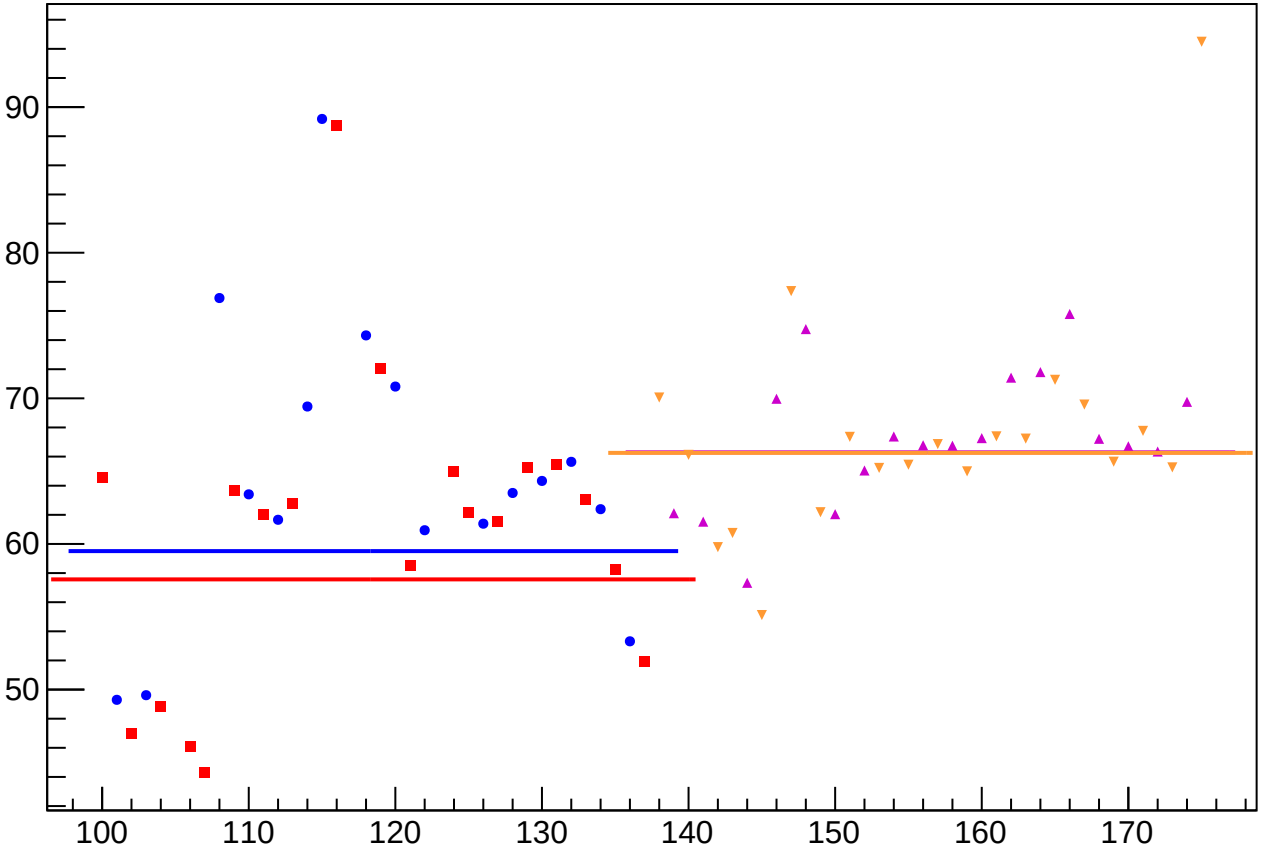
Left In: -32.460+/-17.287 χ^2/NDF:18.8/17

+ sign 17.774+/-13.443 χ^2/NDF: 35.3/35

All: -16.392+/-9.523 χ^2/NDF: 94.8/72

- sign -50.802+/-13.491 χ^2/NDF: 46.5/36

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 66.255+/-0.012 χ^2/NDF:293273.8/19

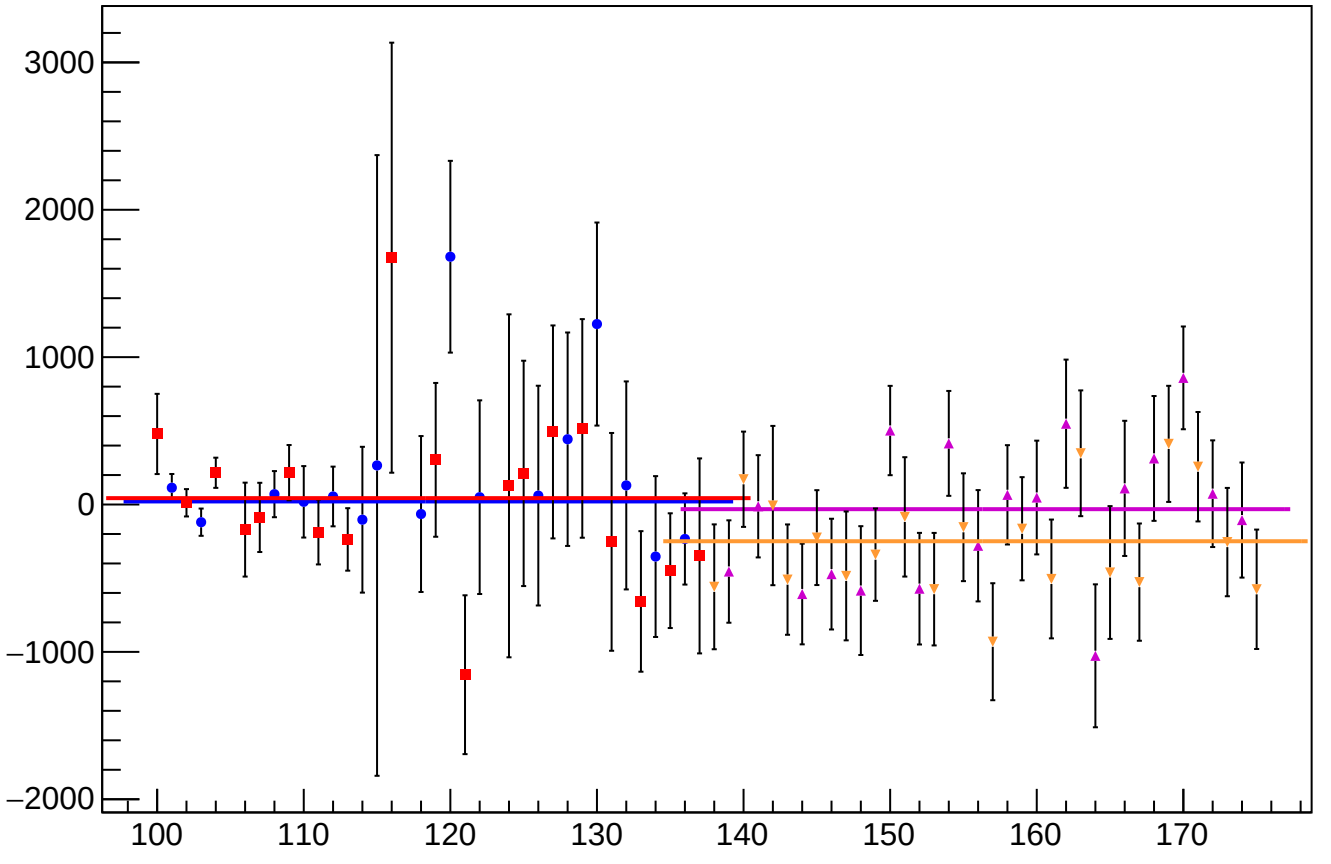
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 66.293+/-0.012 χ^2/NDF:135655.2/17

+ sign 63.850+/-0.010 χ^2/NDF: 692007.0/35

All: 63.367+/-0.007 χ^2/NDF: 1379442.0/72

- sign 62.882+/-0.010 χ^2/NDF: 682268.5/36



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -249.157+/-85.816 χ^2/NDF:15.6/19

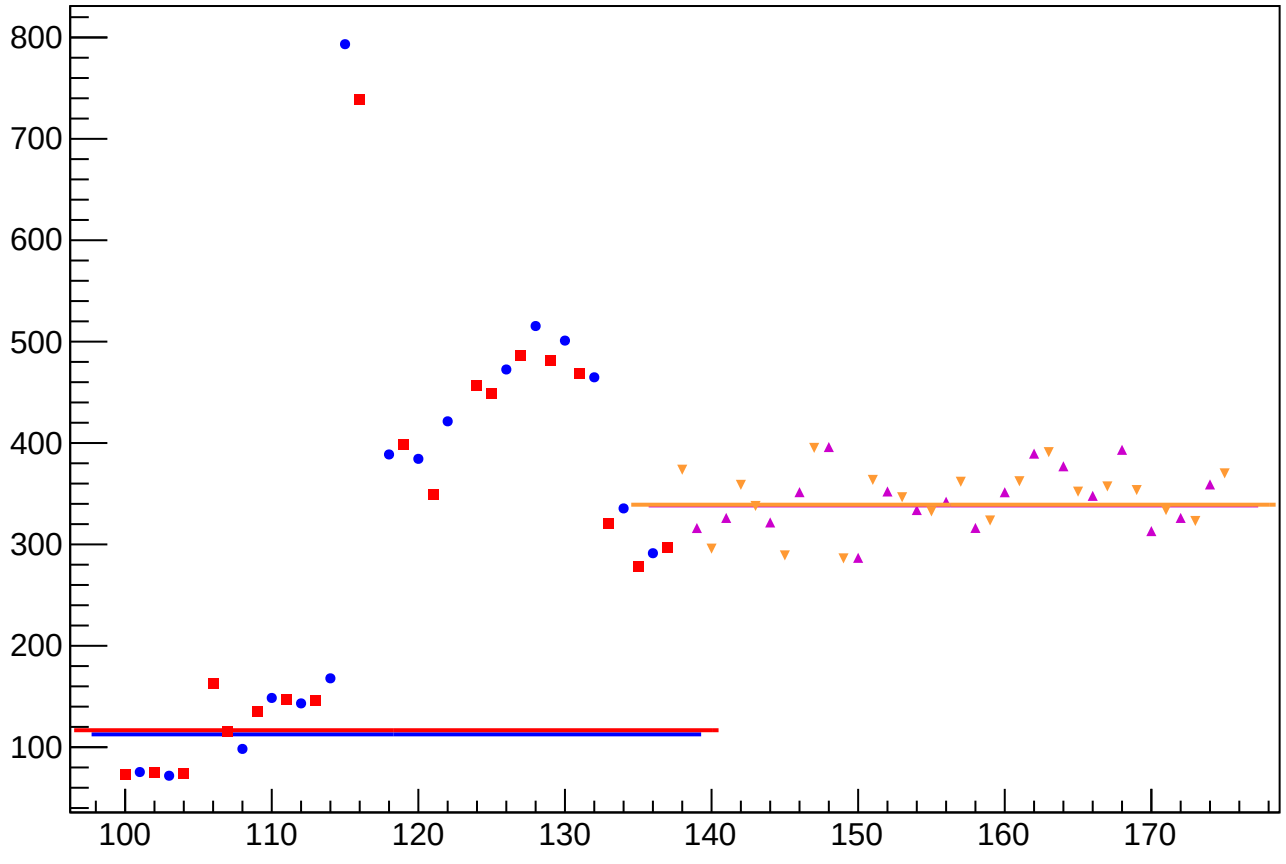
Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: -31.573+/-88.373 χ^2/NDF:28.0/17

+ sign -54.901+/-45.452 χ^2/NDF: 37.4/35

All: -15.890+/-32.186 χ^2/NDF: 88.9/72

- sign 23.350+/-45.585 χ^2/NDF: 50.0/36



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 339.166+/-0.061 χ^2/NDF:269581.6/19

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

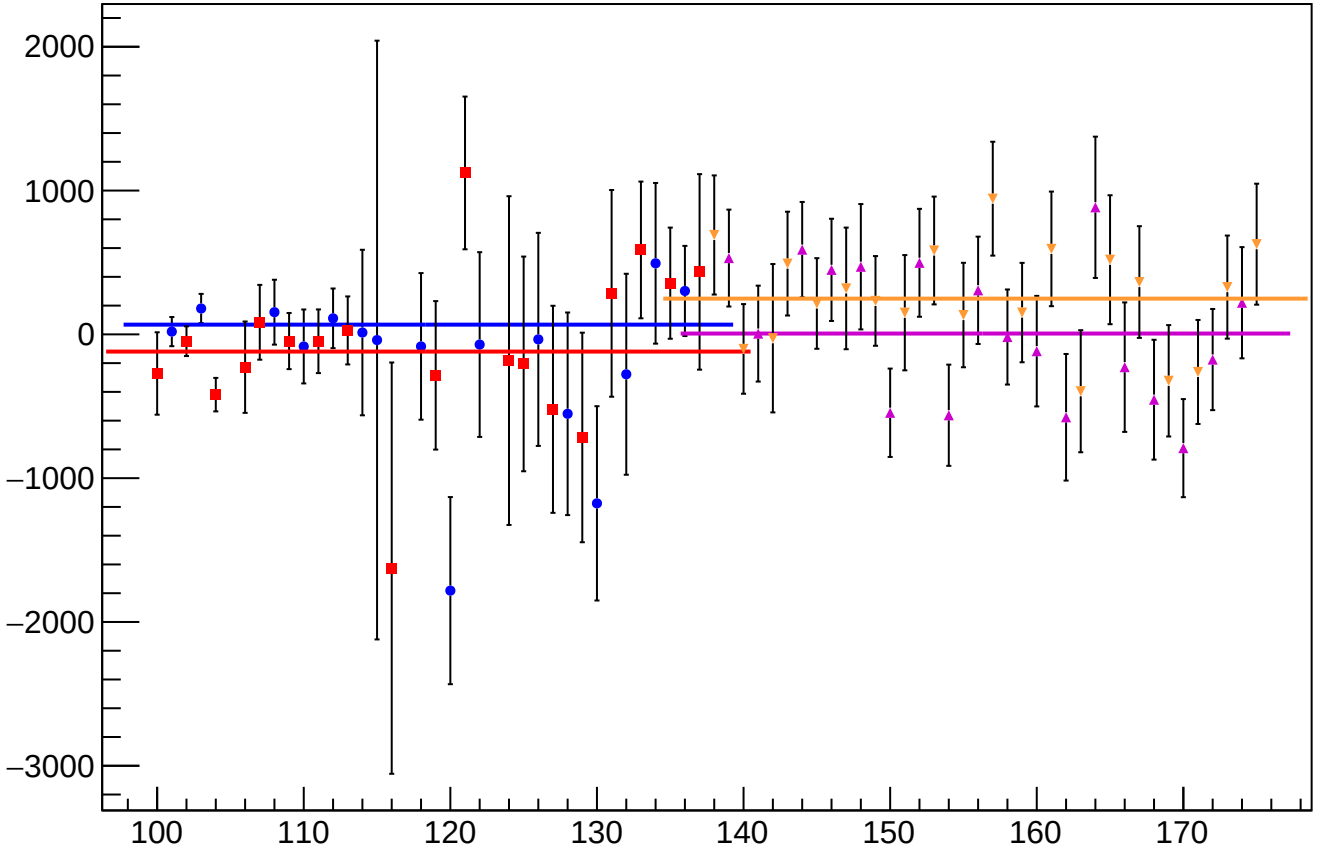
Left In: 338.439+/-0.062 χ^2/NDF:218087.1/17

+ sign 176.206+/-0.032 χ^2/NDF: 15893215.0/35

All: 175.965+/-0.023 χ^2/NDF: 30491216.9/72

- sign 175.722+/-0.032 χ^2/NDF: 14597888.9/36

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 248.566+/-84.404 χ^2/NDF:15.8/19

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

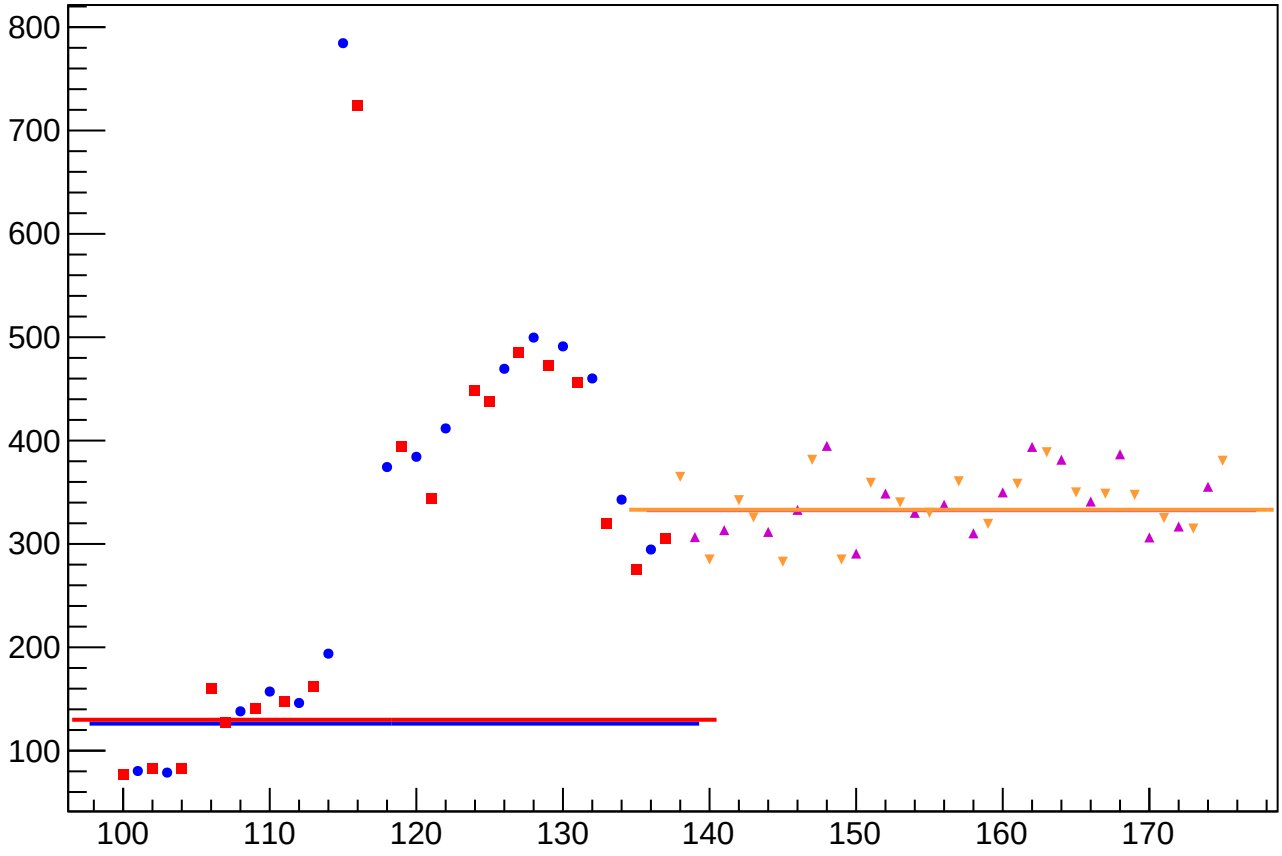
Left In: 5.765+/-86.938 χ^2/NDF:29.0/17

+ sign 127.243+/-48.450 χ^2/NDF: 34.7/35

All: 22.581+/-34.176 χ^2/NDF: 95.5/72

- sign -81.067+/-48.215 χ^2/NDF: 51.5/36

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 333.109+/-0.060 χ^2/NDF:290419.6/19

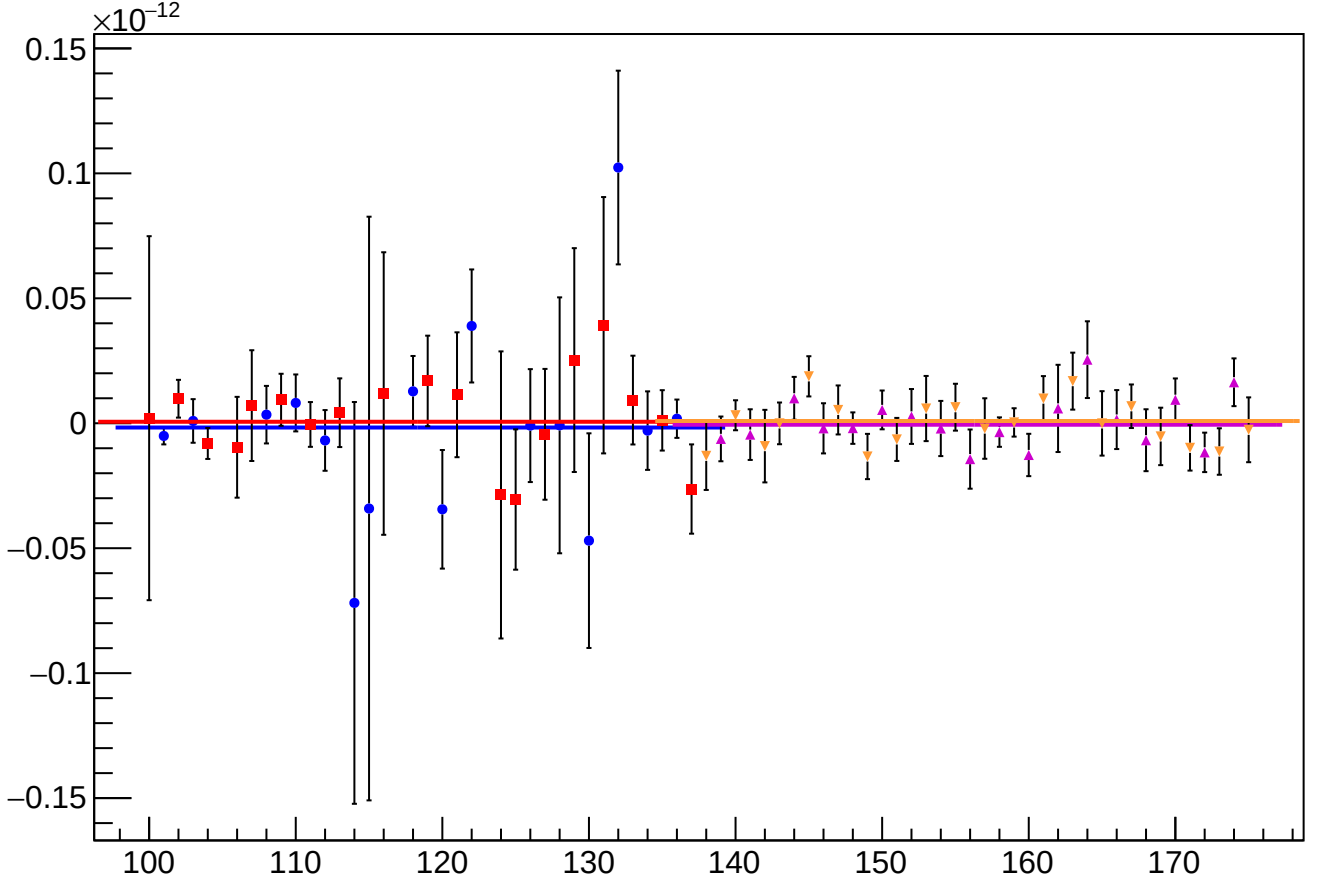
Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 332.716+/-0.061 χ^2/NDF:237714.1/17

+ sign 194.346+/-0.034 χ^2/NDF: 13572700.0/35

All: 193.312+/-0.024 χ^2/NDF: 25995759.6/72

- sign 192.289+/-0.034 χ^2/NDF: 12421248.6/36



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.5/19

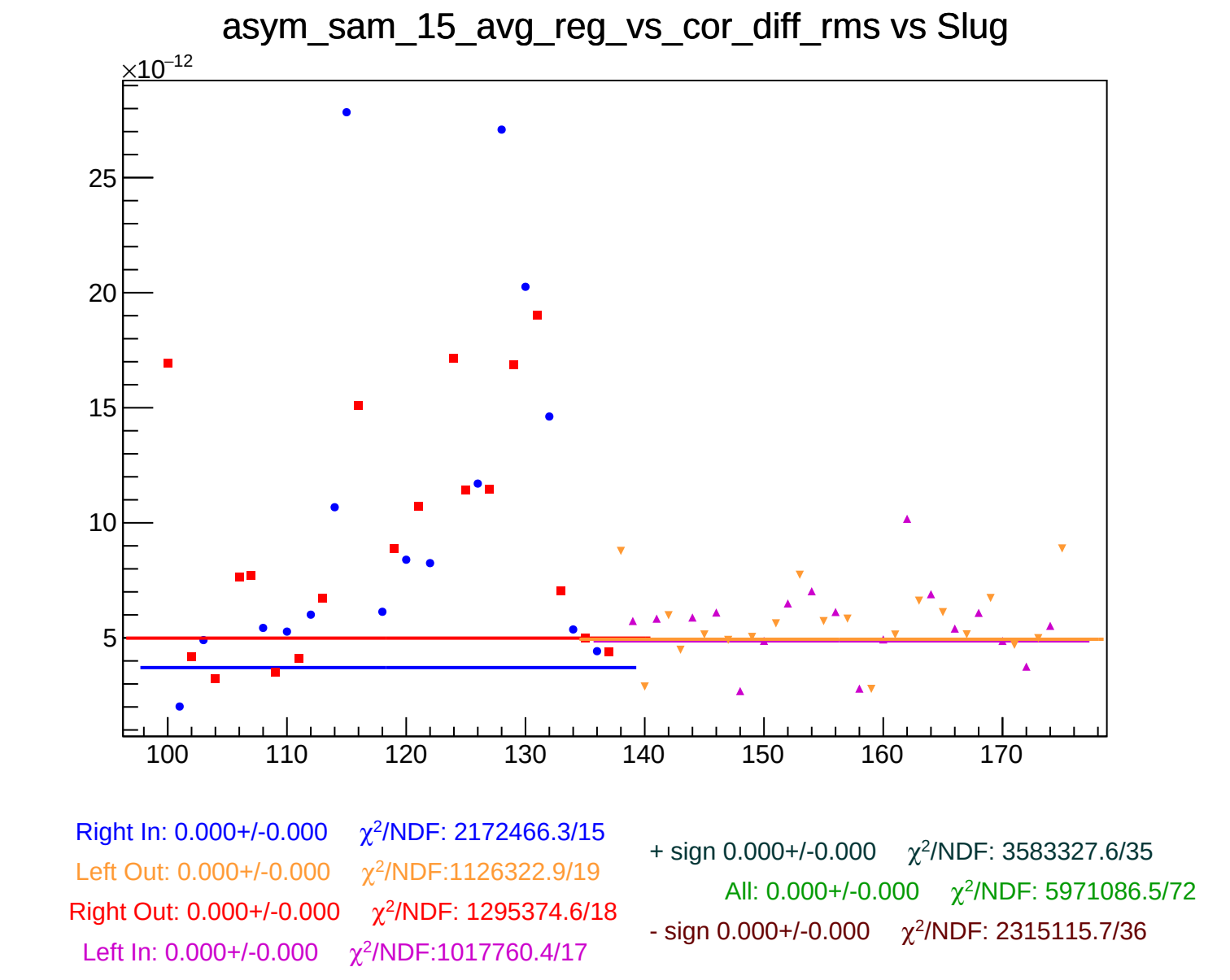
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/35

All: -0.000+/-0.000 χ^2/NDF: 62.8/72

- sign -0.000+/-0.000 χ^2/NDF: 26.9/36


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
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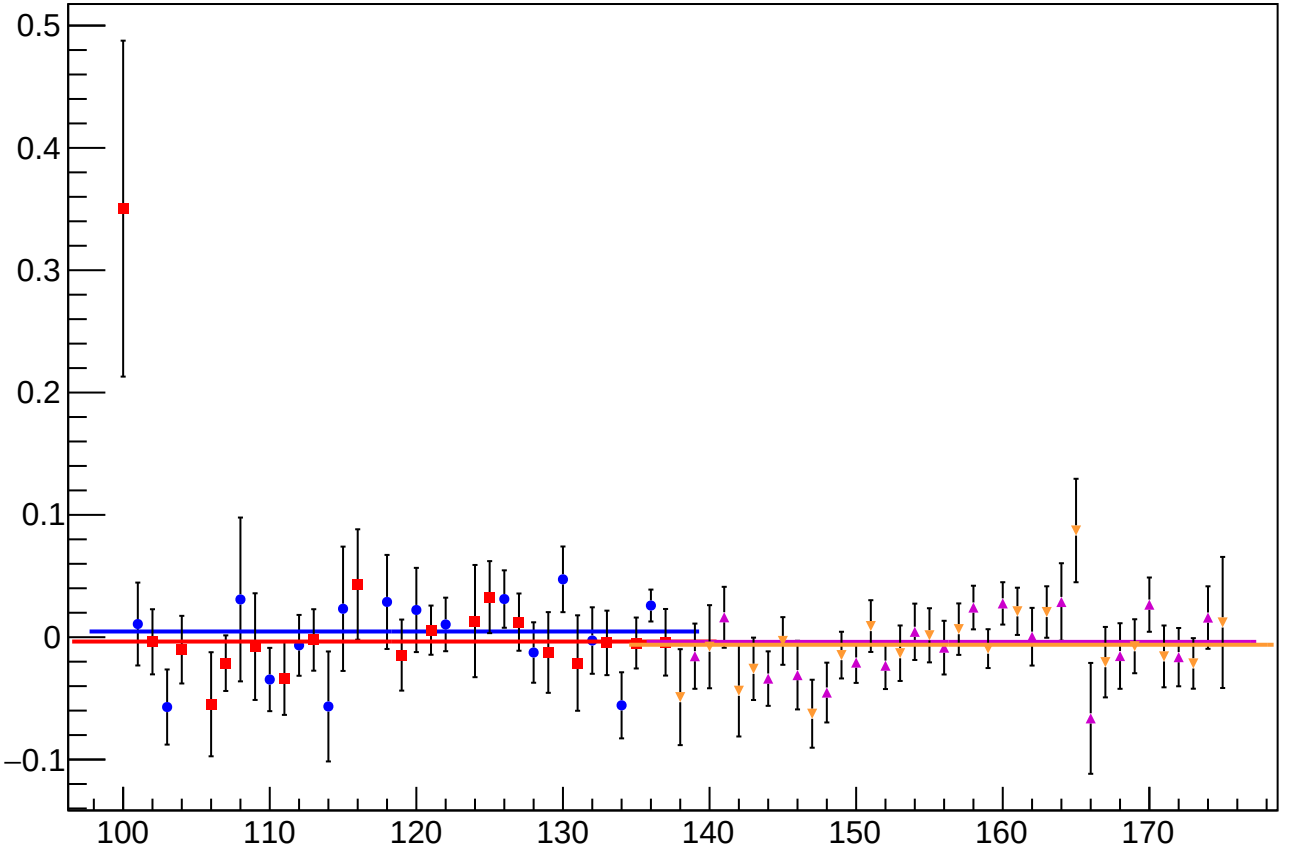
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1126322.9/19
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:1017760.4/17
+ sign 0.000+/-0.000 χ²/NDF: 3583327.6/35
All: 0.000+/-0.000 χ²/NDF: 5971086.5/72
- sign 0.000+/-0.000 χ²/NDF: 2315115.7/36

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.8/19

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

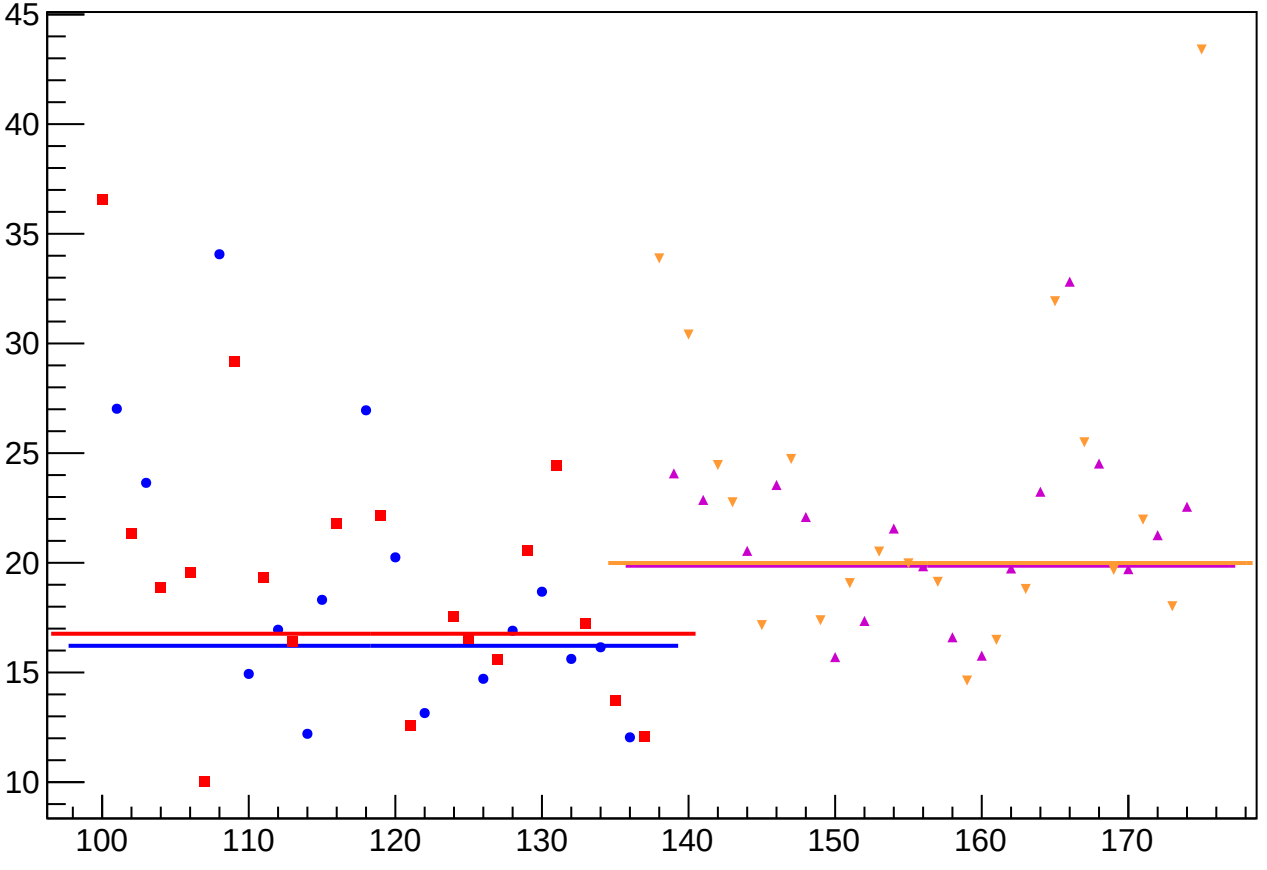
Left In: -0.004+/-0.005 χ^2/NDF:20.4/17

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/35

All: -0.003+/-0.003 χ^2/NDF: 75.1/72

- sign -0.004+/-0.004 χ^2/NDF: 34.0/36

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.991+/-0.004 χ^2/NDF:1581774.3/19

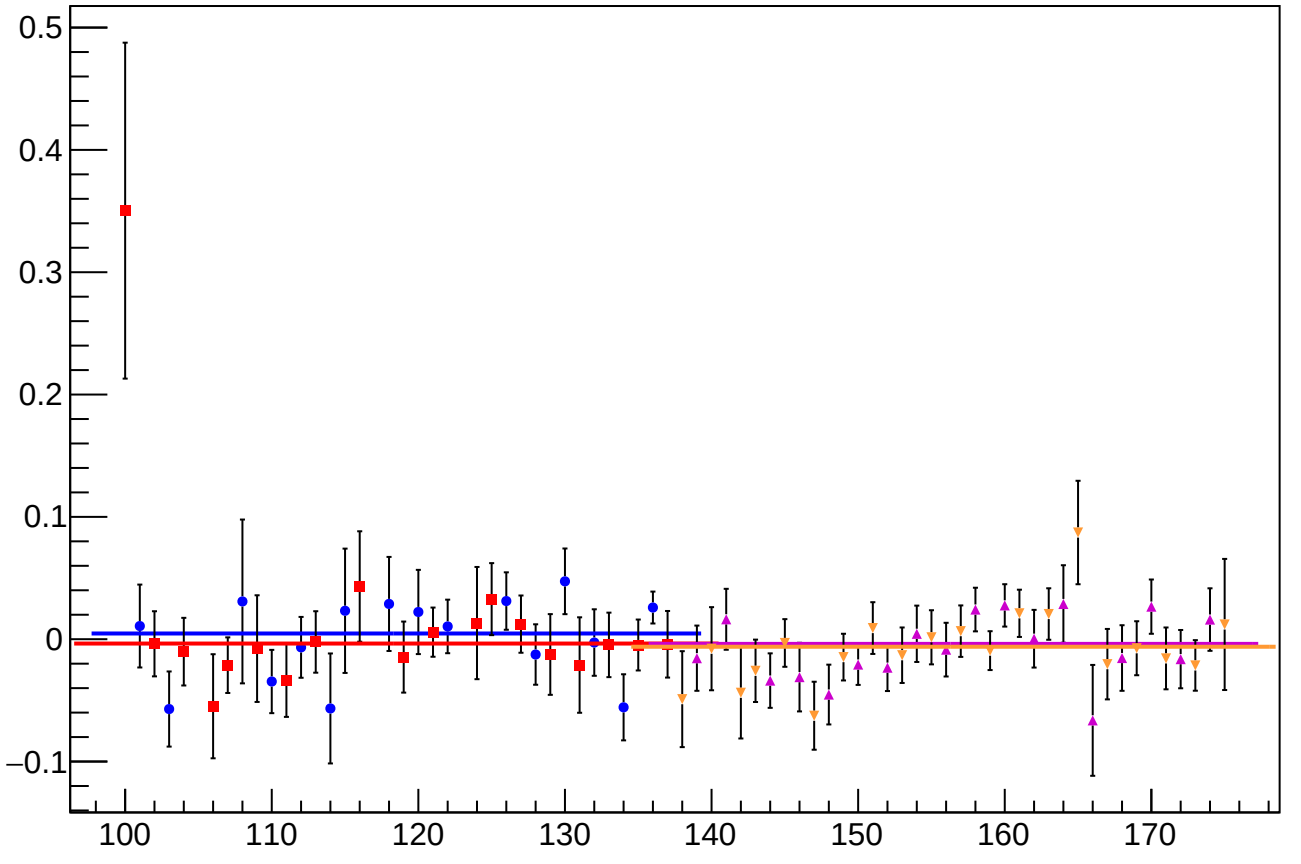
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.867+/-0.004 χ^2/NDF:757211.0/17

+ sign 18.509+/-0.003 χ^2/NDF: 2927137.9/35

All: 18.573+/-0.002 χ^2/NDF: 4816642.8/72

- sign 18.640+/-0.003 χ^2/NDF: 1888512.2/36



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.8/19

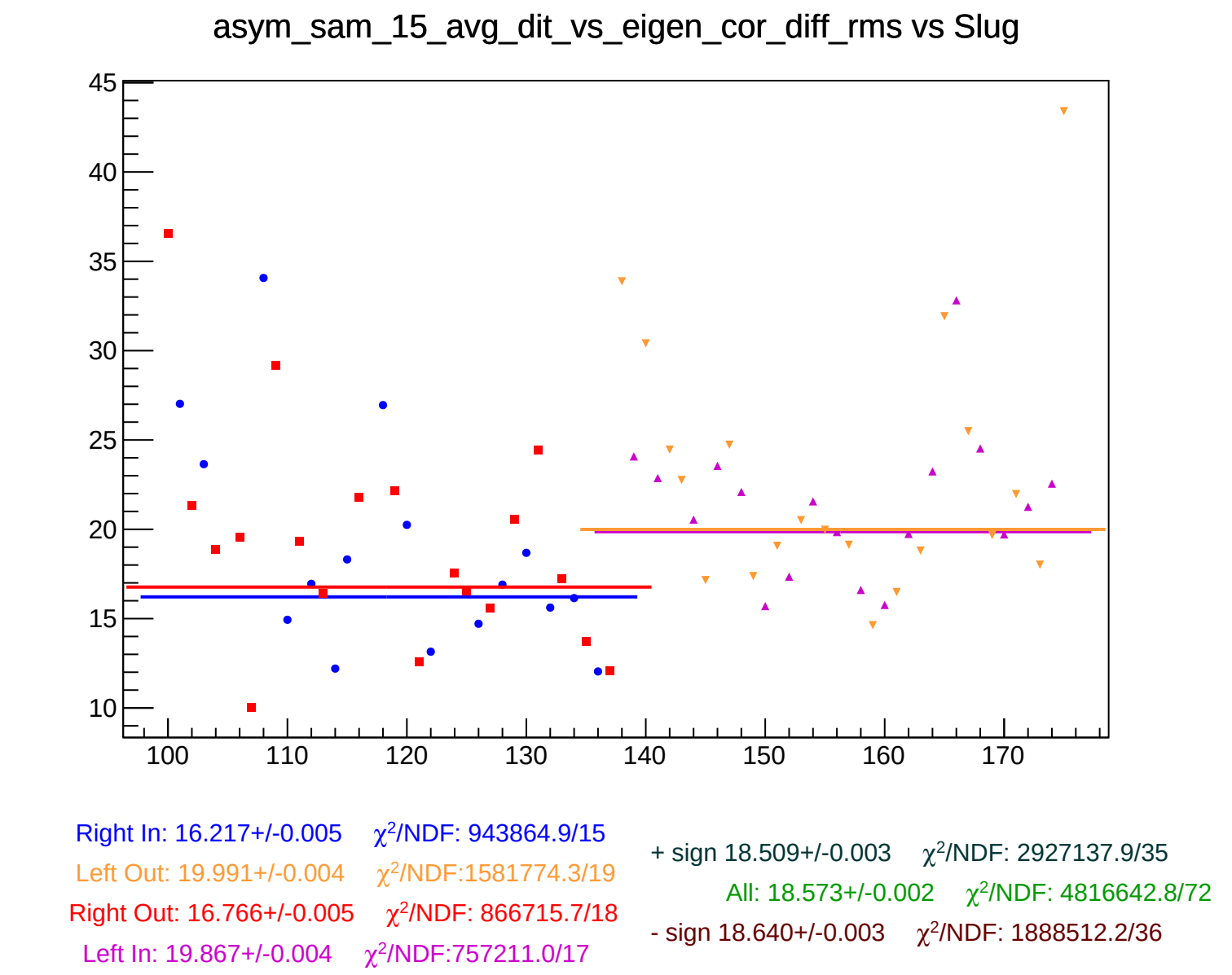
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

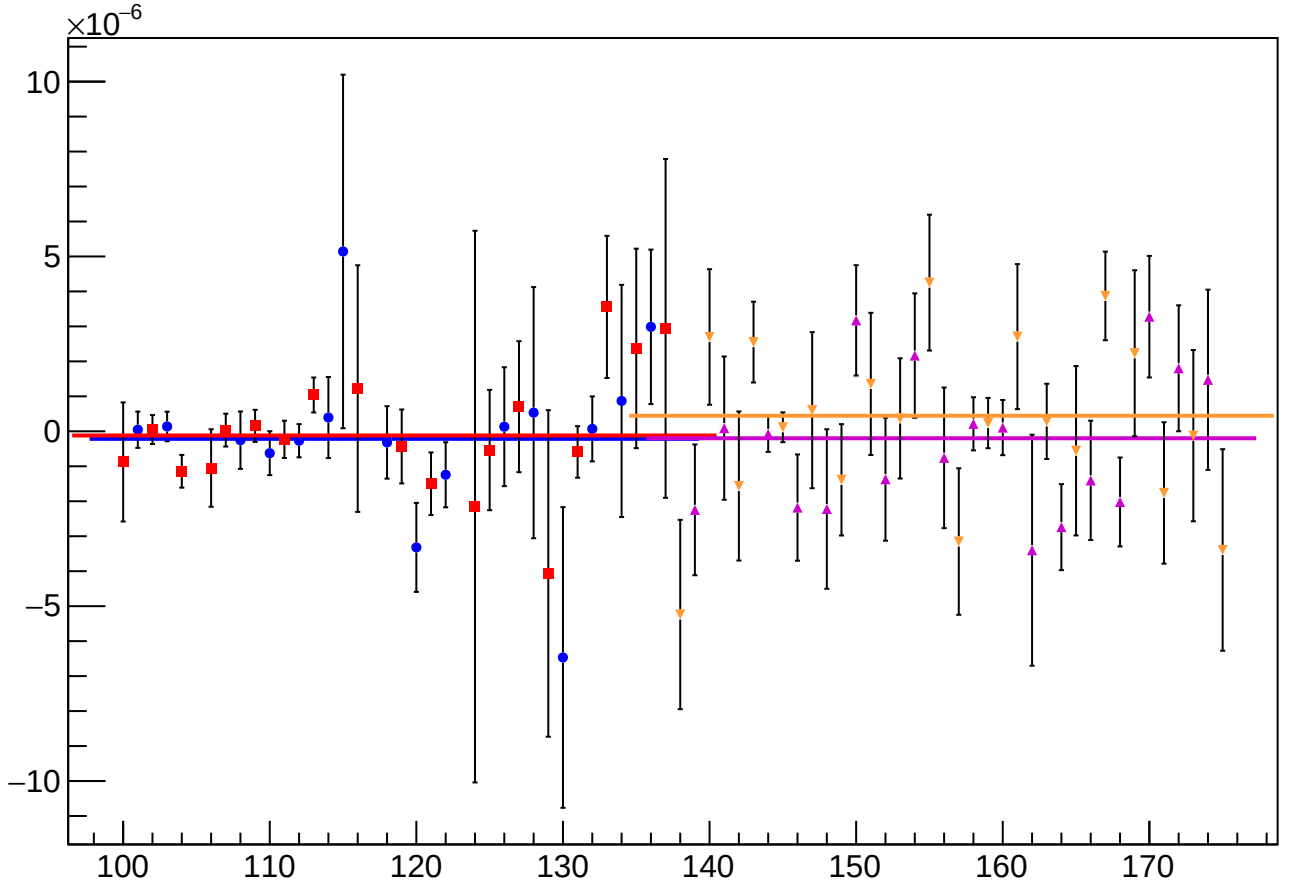
Left In: -0.004+/-0.005 χ^2/NDF:20.4/17

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/35

All: -0.003+/-0.003 χ^2/NDF: 75.1/72

- sign -0.004+/-0.004 χ^2/NDF: 34.0/36


asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug
45
40
35
30
25
20
15
10
100
110
120
130
140
150
160
170
Right In: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 19.991+/-0.004 χ²/NDF:1581774.3/19
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 19.867+/-0.004 χ²/NDF:757211.0/17
+ sign 18.509+/-0.003 χ²/NDF: 2927137.9/35
All: 18.573+/-0.002 χ²/NDF: 4816642.8/72
- sign 18.640+/-0.003 χ²/NDF: 1888512.2/36



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.3/19

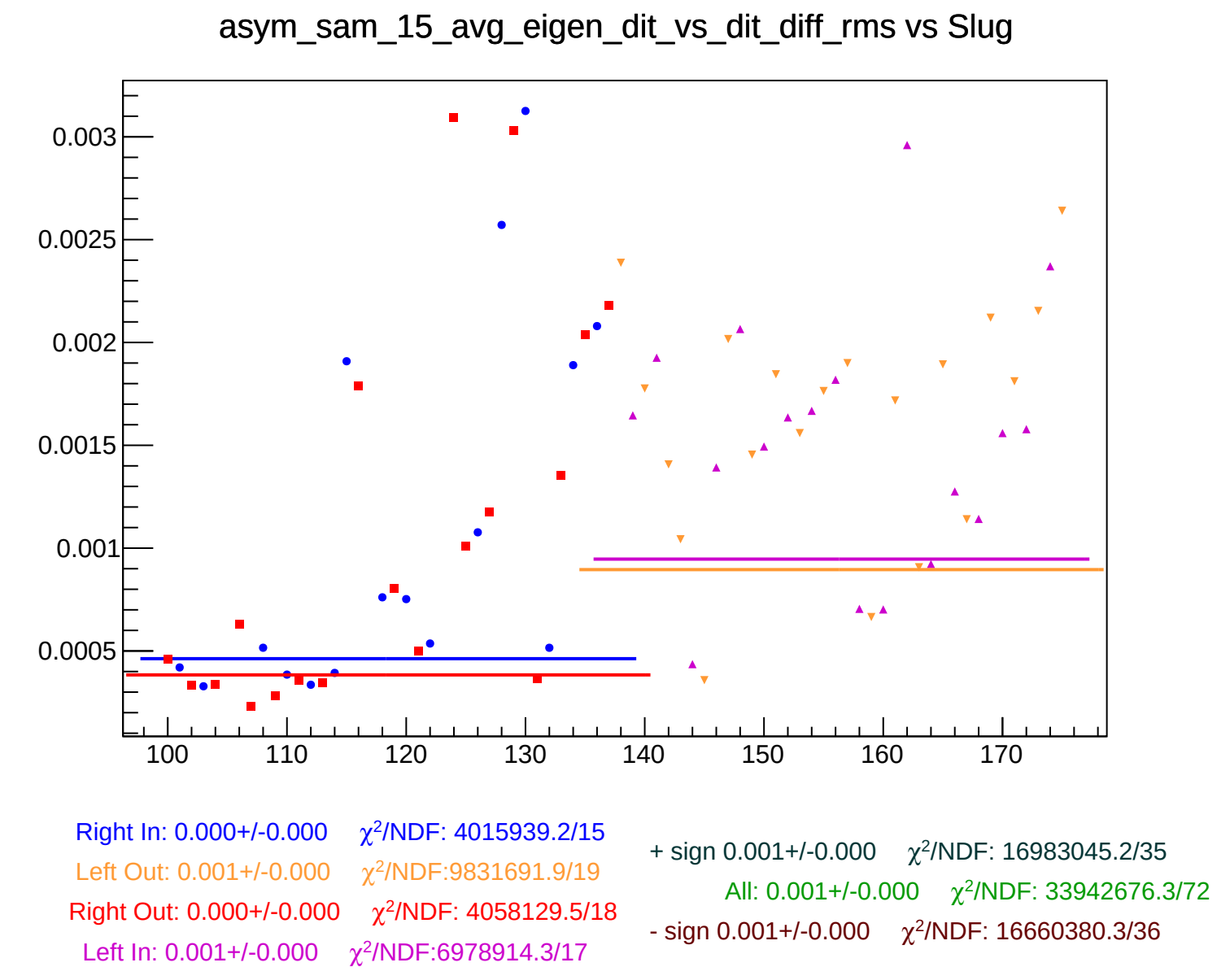
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:24.5/17

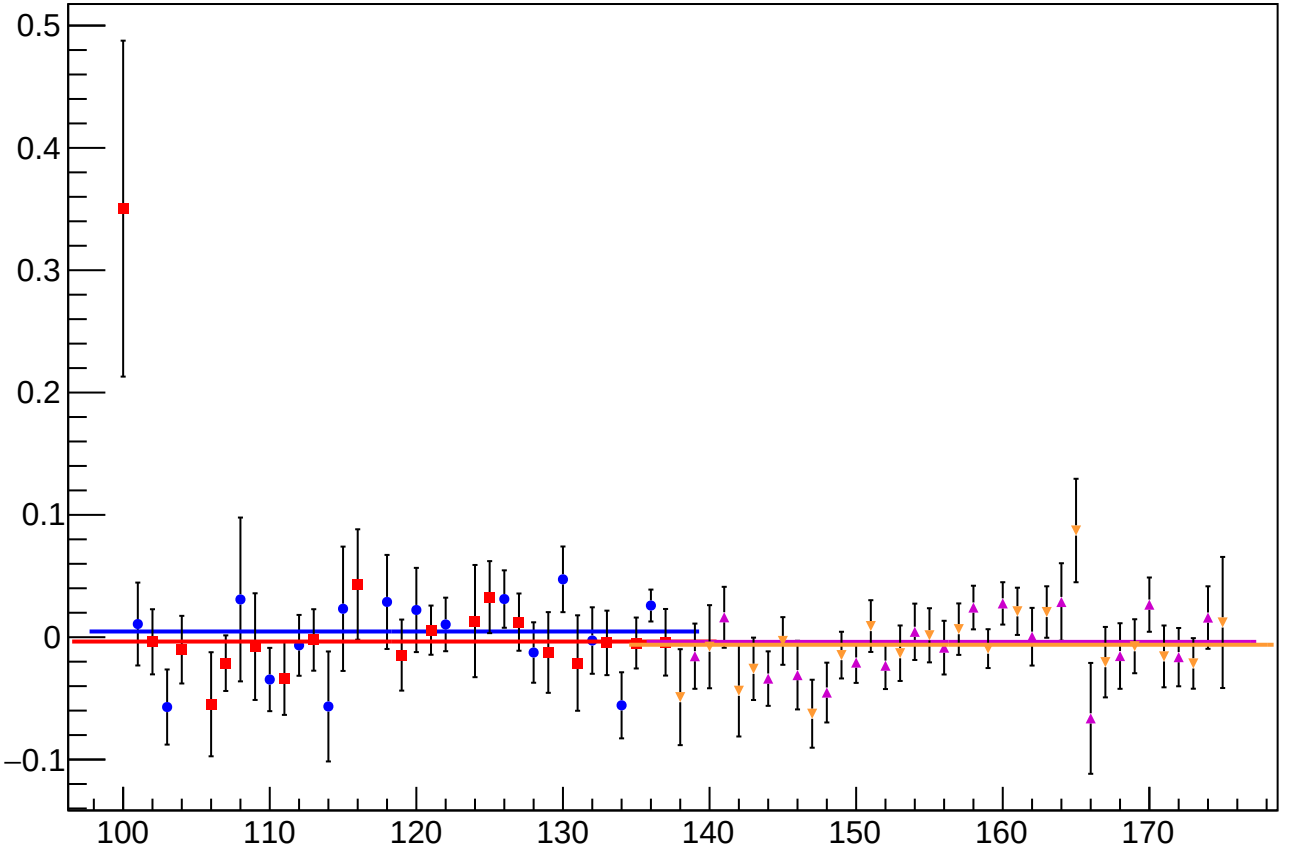
+ sign 0.000+/-0.000 χ^2/NDF: 49.4/35

All: -0.000+/-0.000 χ^2/NDF: 94.7/72

- sign -0.000+/-0.000 χ^2/NDF: 44.8/36


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:9831691.9/19
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:6978914.3/17
+ sign 0.001+/-0.000 χ²/NDF: 16983045.2/35
All: 0.001+/-0.000 χ²/NDF: 33942676.3/72
- sign 0.001+/-0.000 χ²/NDF: 16660380.3/36

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: -0.006+/-0.005 χ^2/NDF:17.8/19

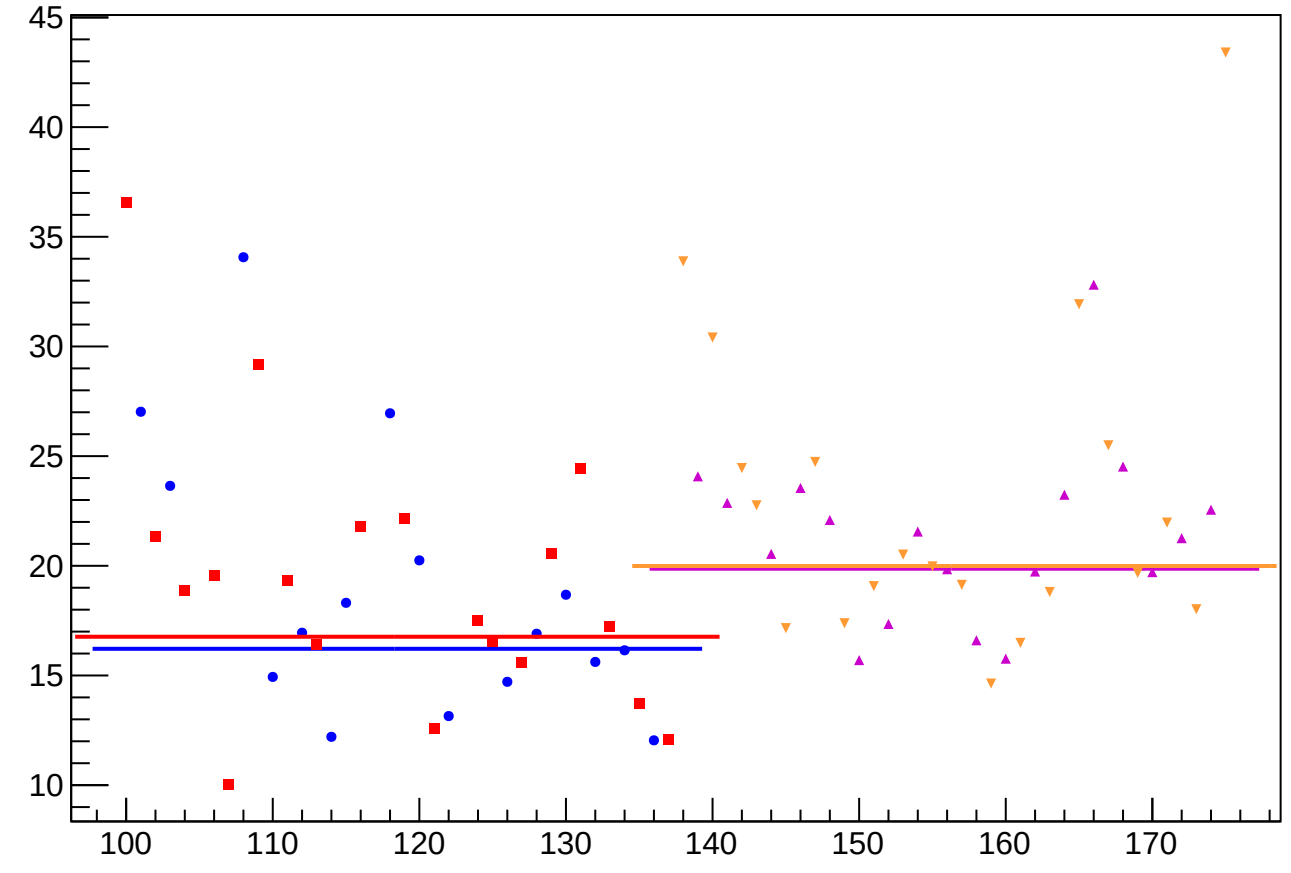
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.005 χ^2/NDF:20.4/17

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/35

All: -0.003+/-0.003 χ^2/NDF: 75.1/72

- sign -0.004+/-0.004 χ^2/NDF: 34.0/36



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.991+/-0.004 χ^2/NDF:1581843.9/19

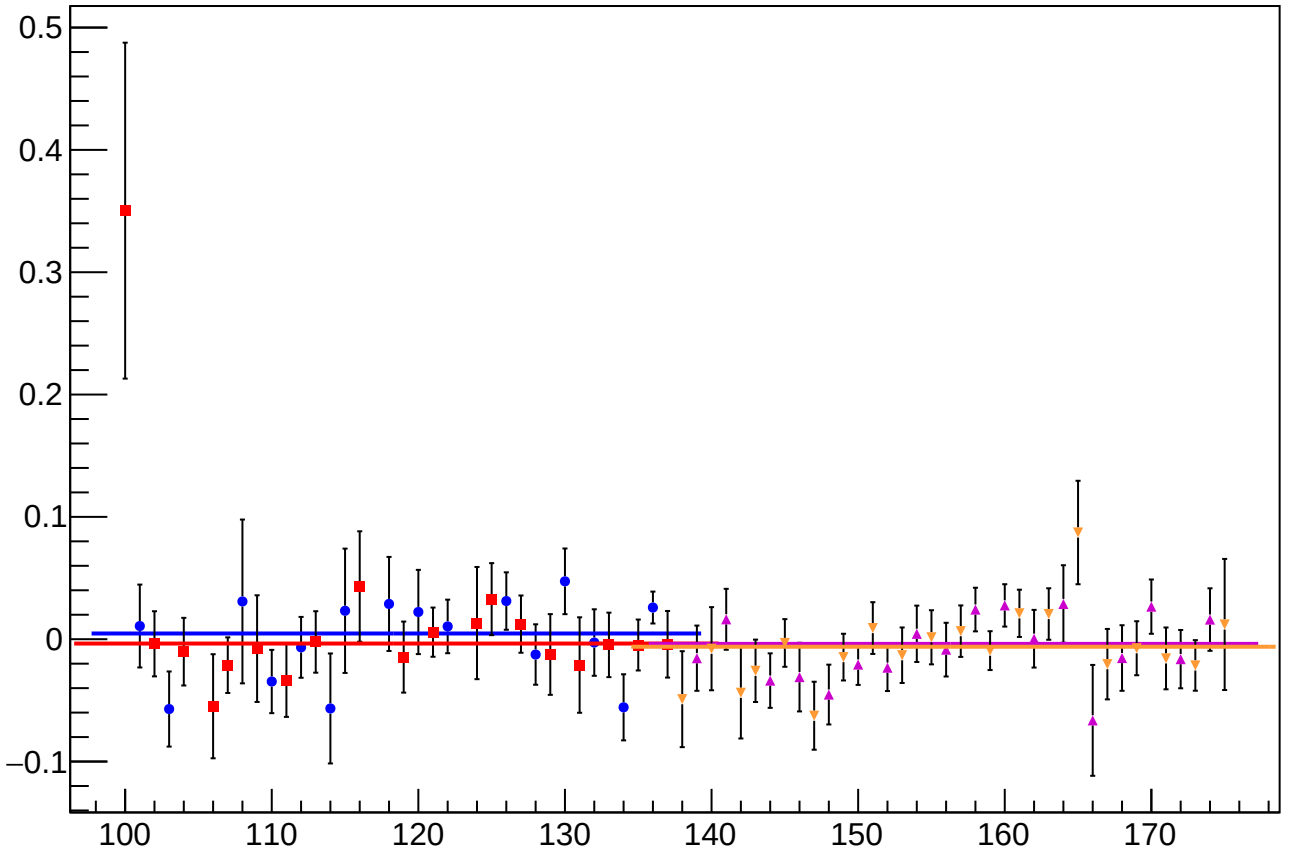
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.867+/-0.004 χ^2/NDF:757340.6/17

\+ sign 18.509+/-0.003 χ^2/NDF: 2927241.9/35

All: 18.573+/-0.002 χ^2/NDF: 4816915.1/72

\- sign 18.640+/-0.003 χ^2/NDF: 1888681.3/36



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.8/19

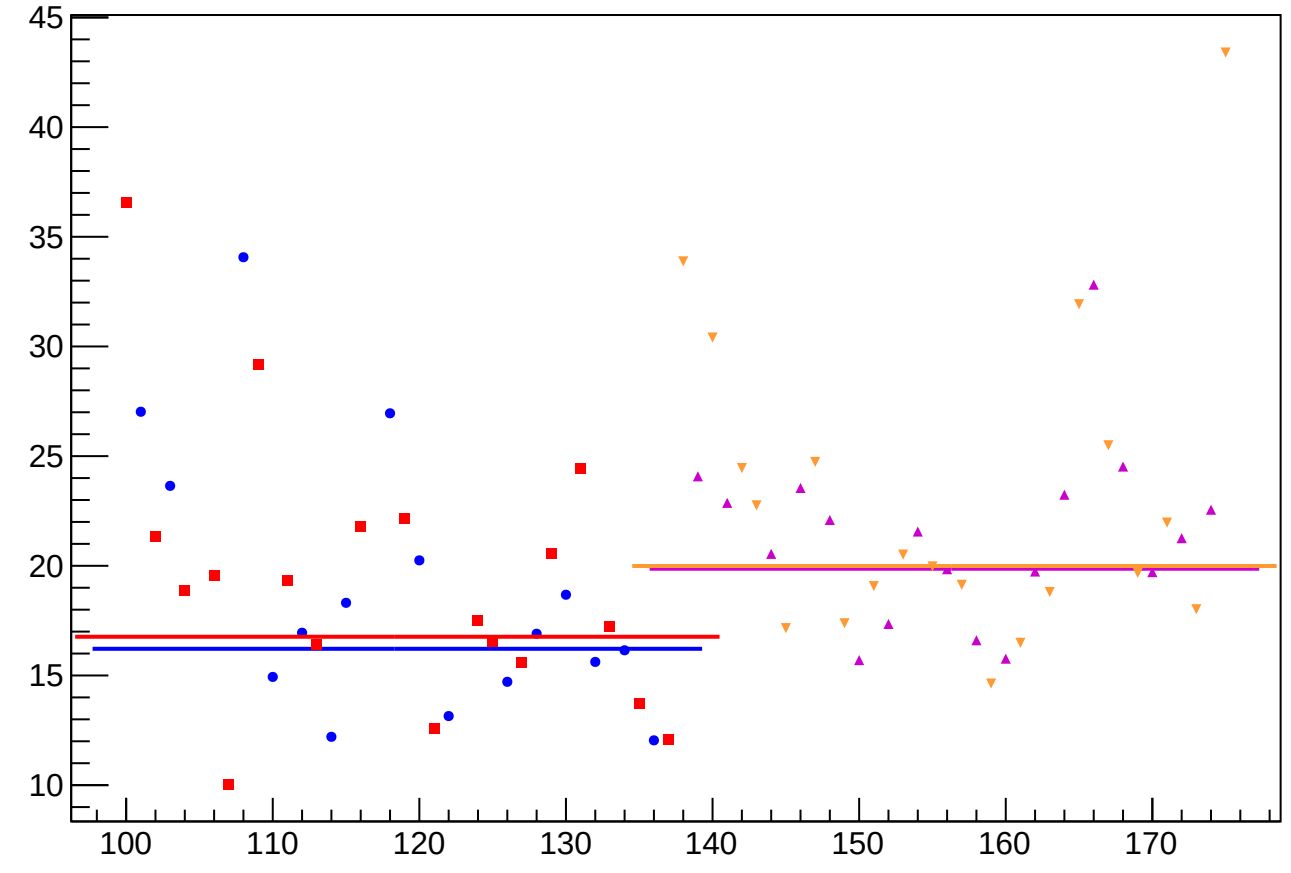
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.005 χ^2/NDF:20.4/17

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/35

All: -0.003+/-0.003 χ^2/NDF: 75.1/72

- sign -0.004+/-0.004 χ^2/NDF: 34.0/36



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.991+/-0.004 χ^2/NDF:1581843.9/19

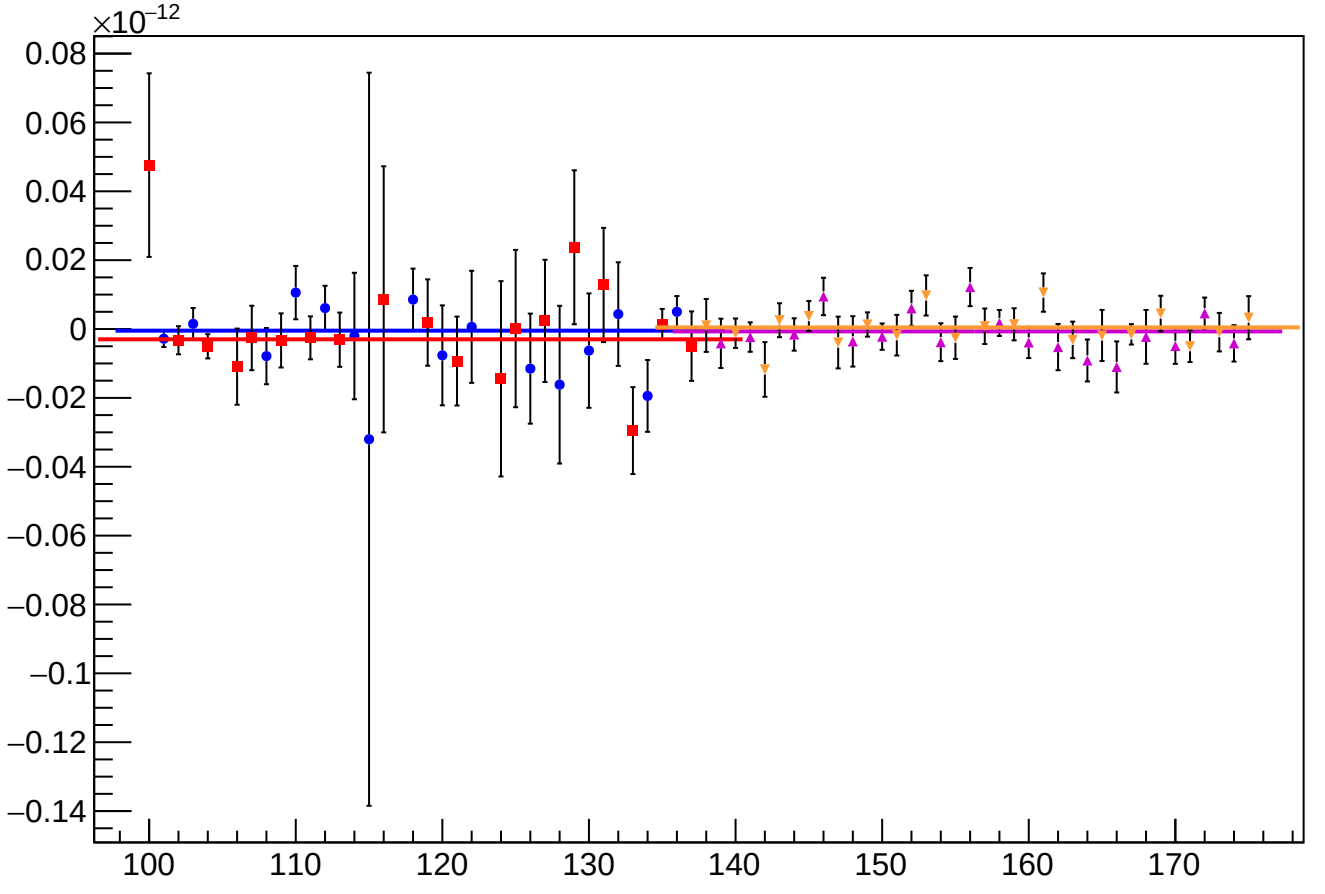
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.867+/-0.004 χ^2/NDF:757340.6/17

+ sign 18.509+/-0.003 χ^2/NDF: 2927241.9/35

All: 18.573+/-0.002 χ^2/NDF: 4816915.1/72

- sign 18.640+/-0.003 χ^2/NDF: 1888681.3/36



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/19

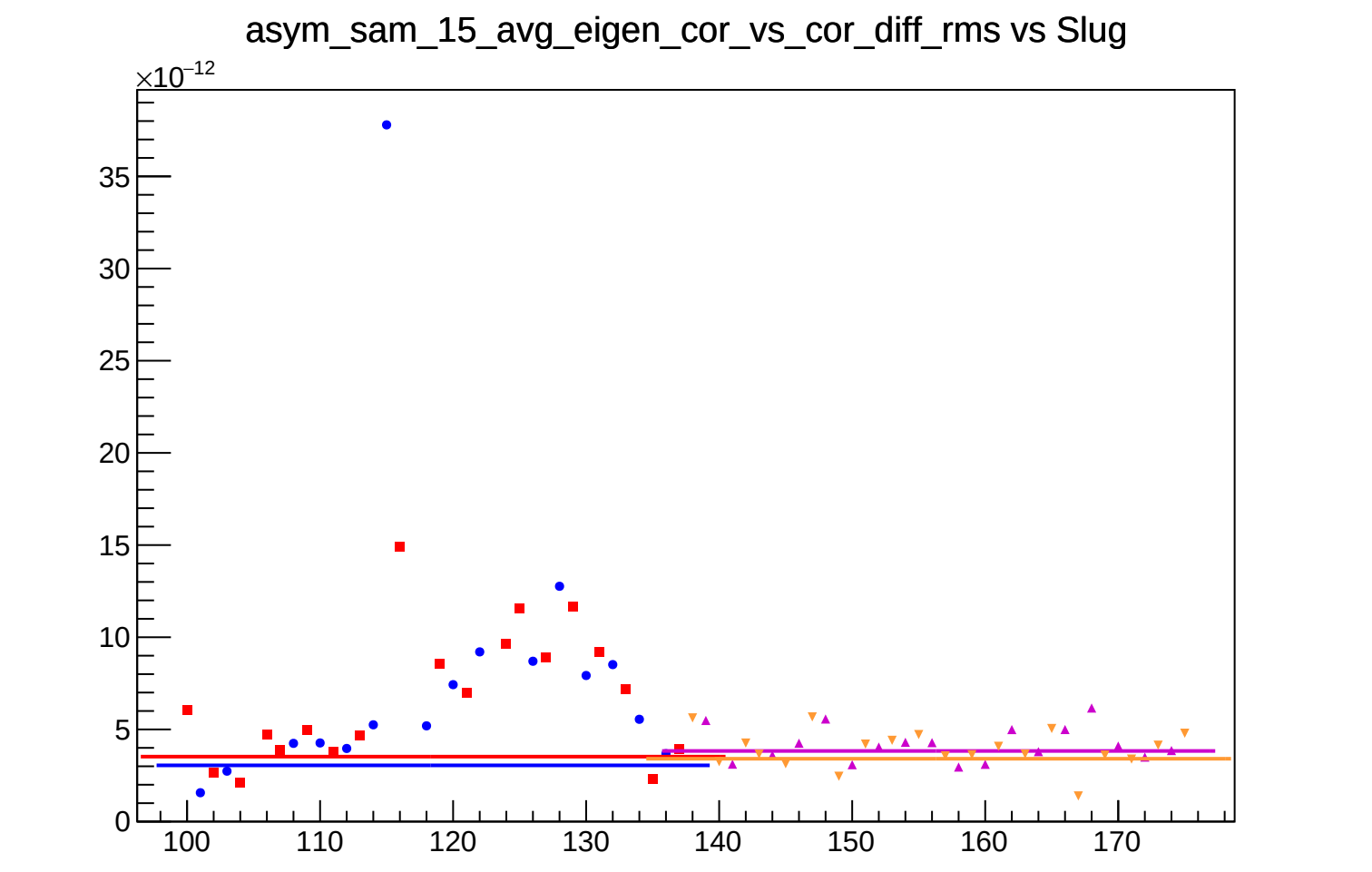
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:19.3/17

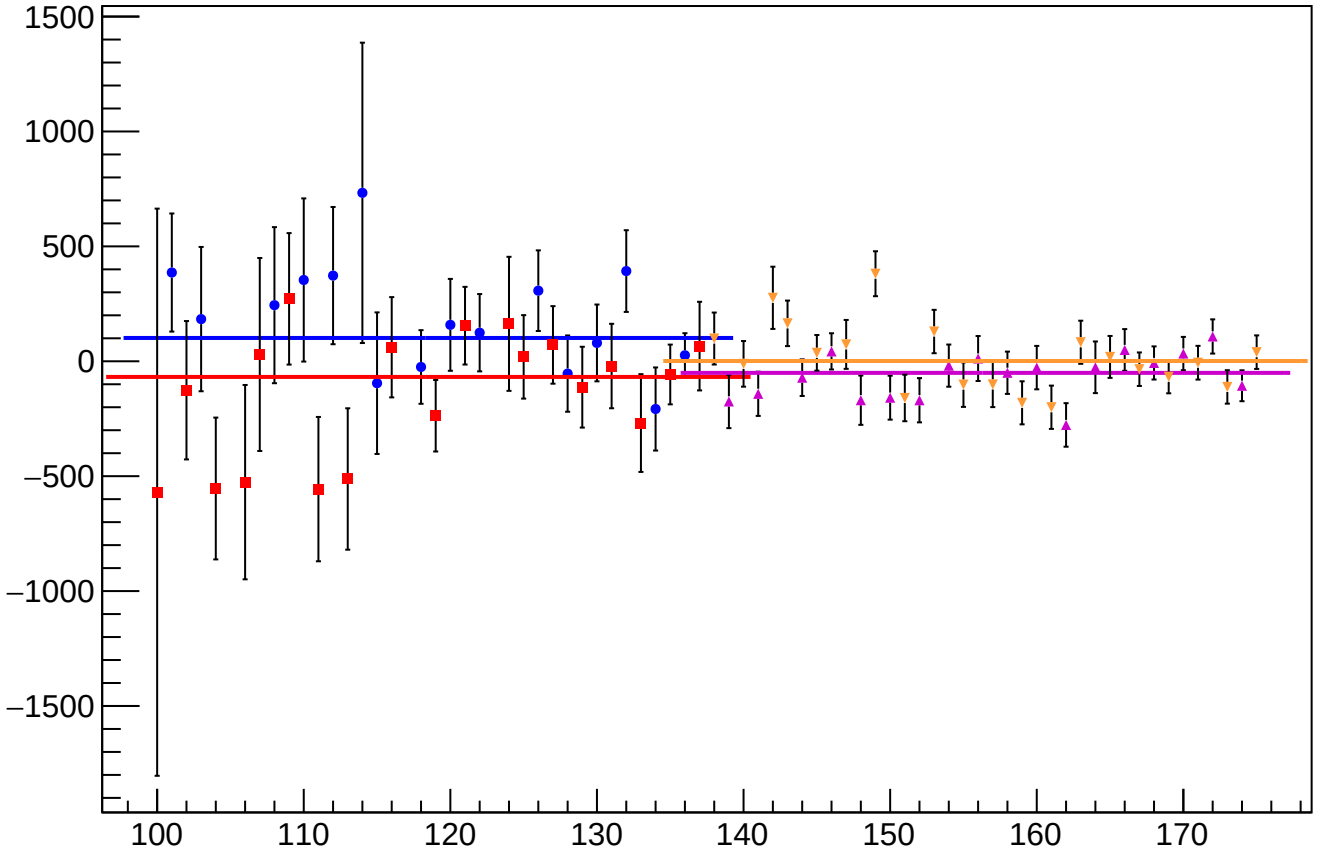
+ sign 0.000+/-0.000 χ^2/NDF: 25.8/35

All: -0.000+/-0.000 χ^2/NDF: 60.6/72

- sign -0.000+/-0.000 χ^2/NDF: 33.5/36


asym_sam_15_avg_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: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1922083.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:858474.1/17
+ sign 0.000+/-0.000 χ²/NDF: 4924804.9/35
All: 0.000+/-0.000 χ²/NDF: 8587701.6/72
- sign 0.000+/-0.000 χ²/NDF: 3457851.7/36

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 1.173+/-19.930 χ^2/NDF:42.9/19

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

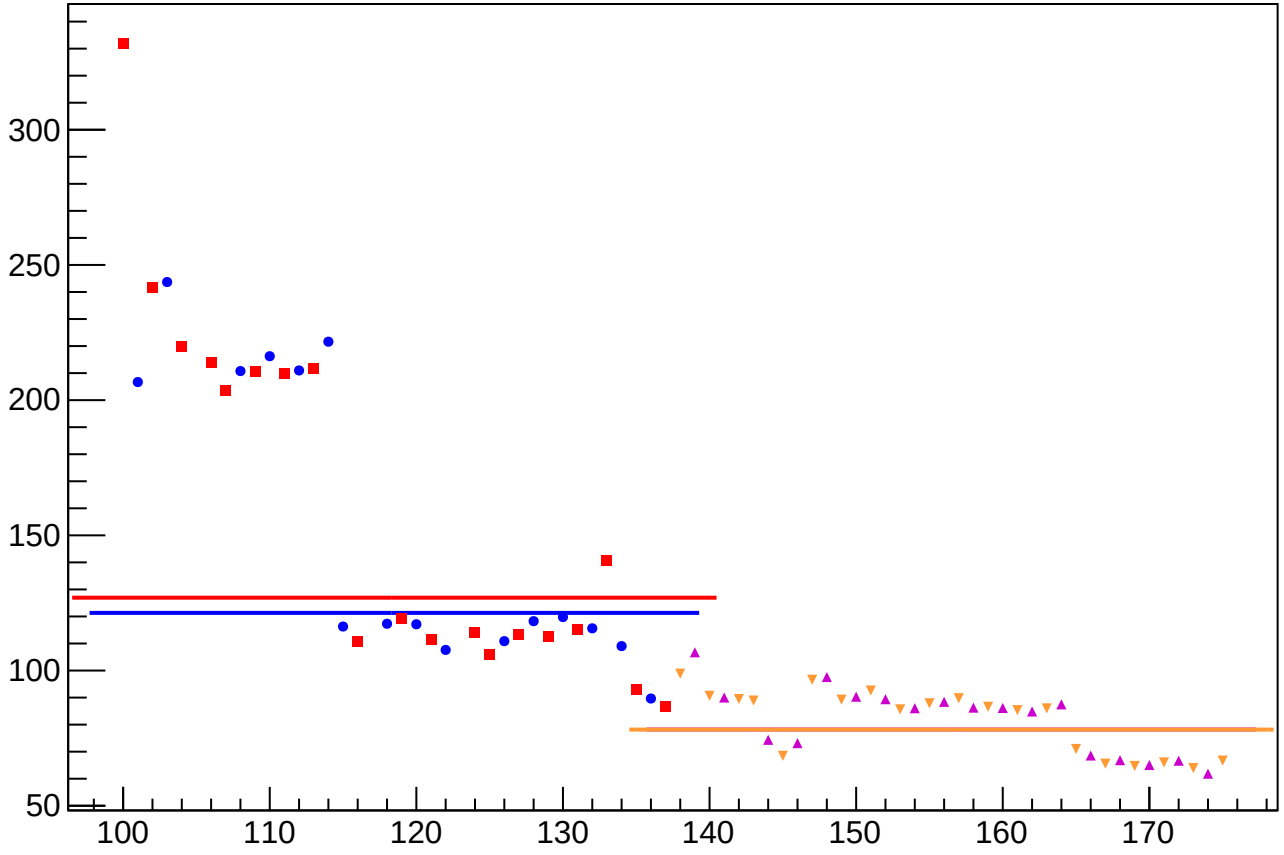
Left In: -50.465+/-20.608 χ^2/NDF:22.0/17

+ sign 16.115+/-18.385 χ^2/NDF: 60.0/35

All: -17.321+/-13.217 χ^2/NDF: 105.2/72

- sign -53.087+/-19.015 χ^2/NDF: 38.3/36

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 78.163+/-0.014 χ^2/NDF:718252.0/19

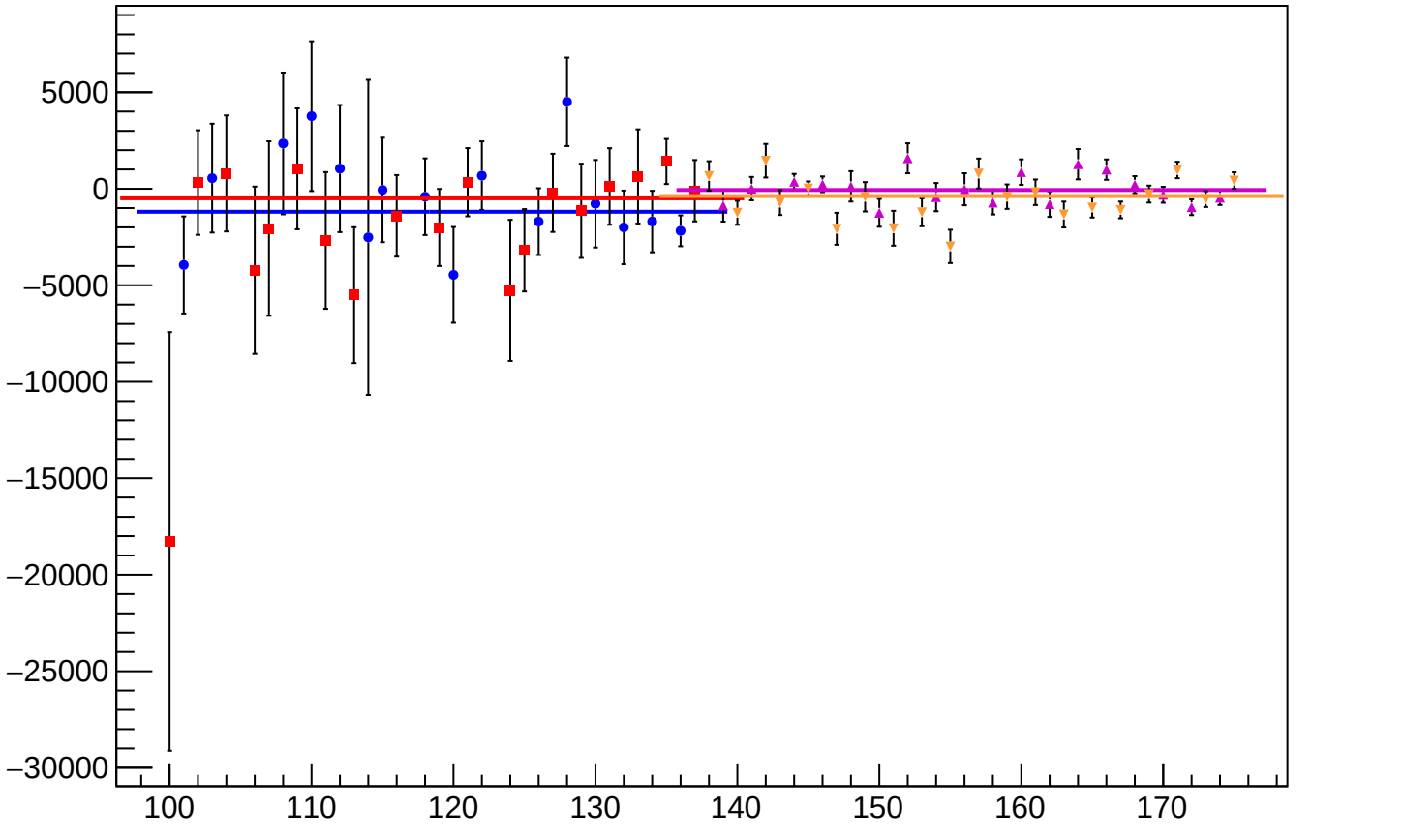
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 78.194+/-0.015 χ^2/NDF:682091.2/17

+ sign 84.594+/-0.013 χ^2/NDF: 3402573.0/35

All: 85.002+/-0.009 χ^2/NDF: 7221537.5/72

- sign 85.438+/-0.013 χ^2/NDF: 3816926.3/36



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -377.578+/-125.887 χ^2/NDF:50.0/19

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

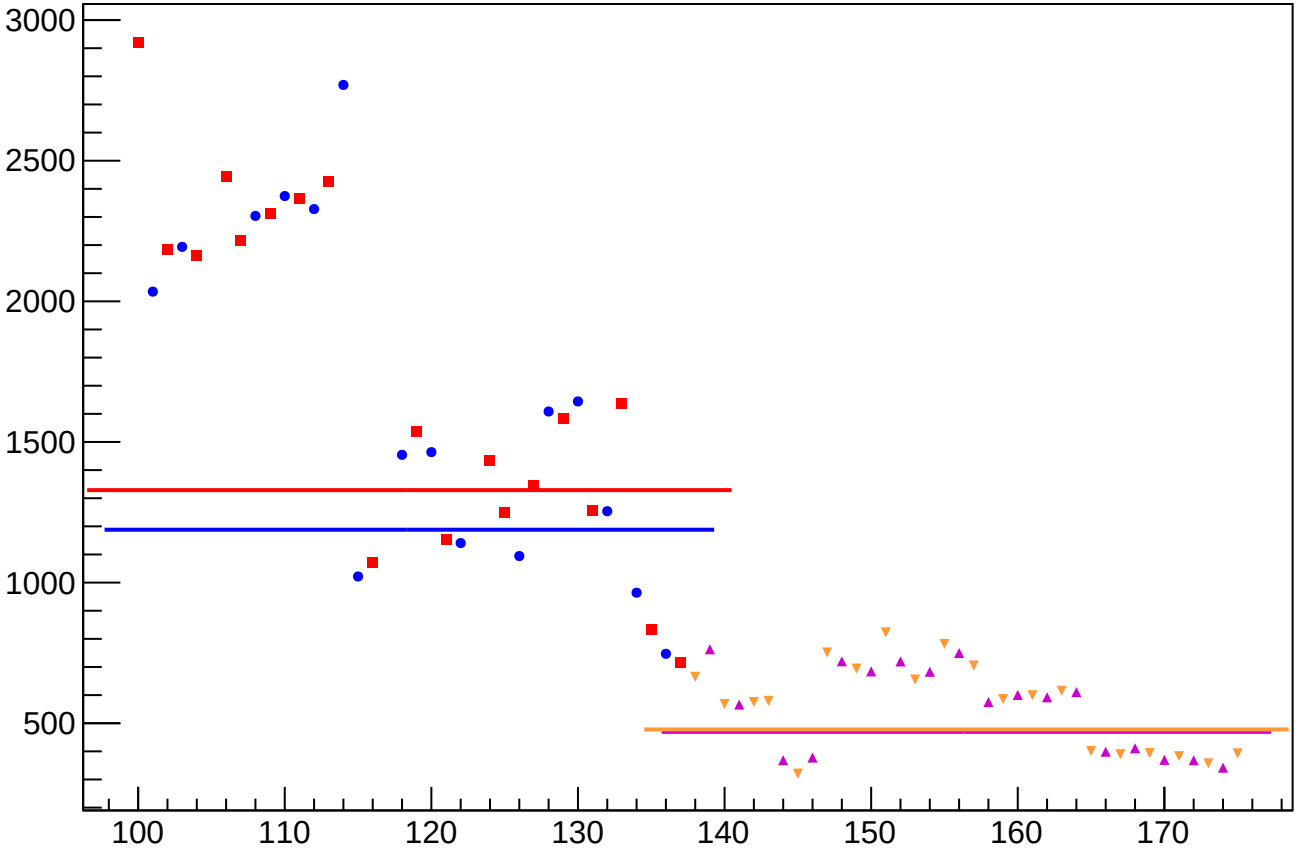
Left In: -64.558+/-127.591 χ^2/NDF:28.0/17

+ sign -430.225+/-121.751 χ^2/NDF: 68.6/35

All: -262.566+/-86.854 χ^2/NDF: 114.9/72

- sign -88.825+/-123.939 χ^2/NDF: 42.5/36

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 477.874+/-0.089 χ^2/NDF:2590927.2/19

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

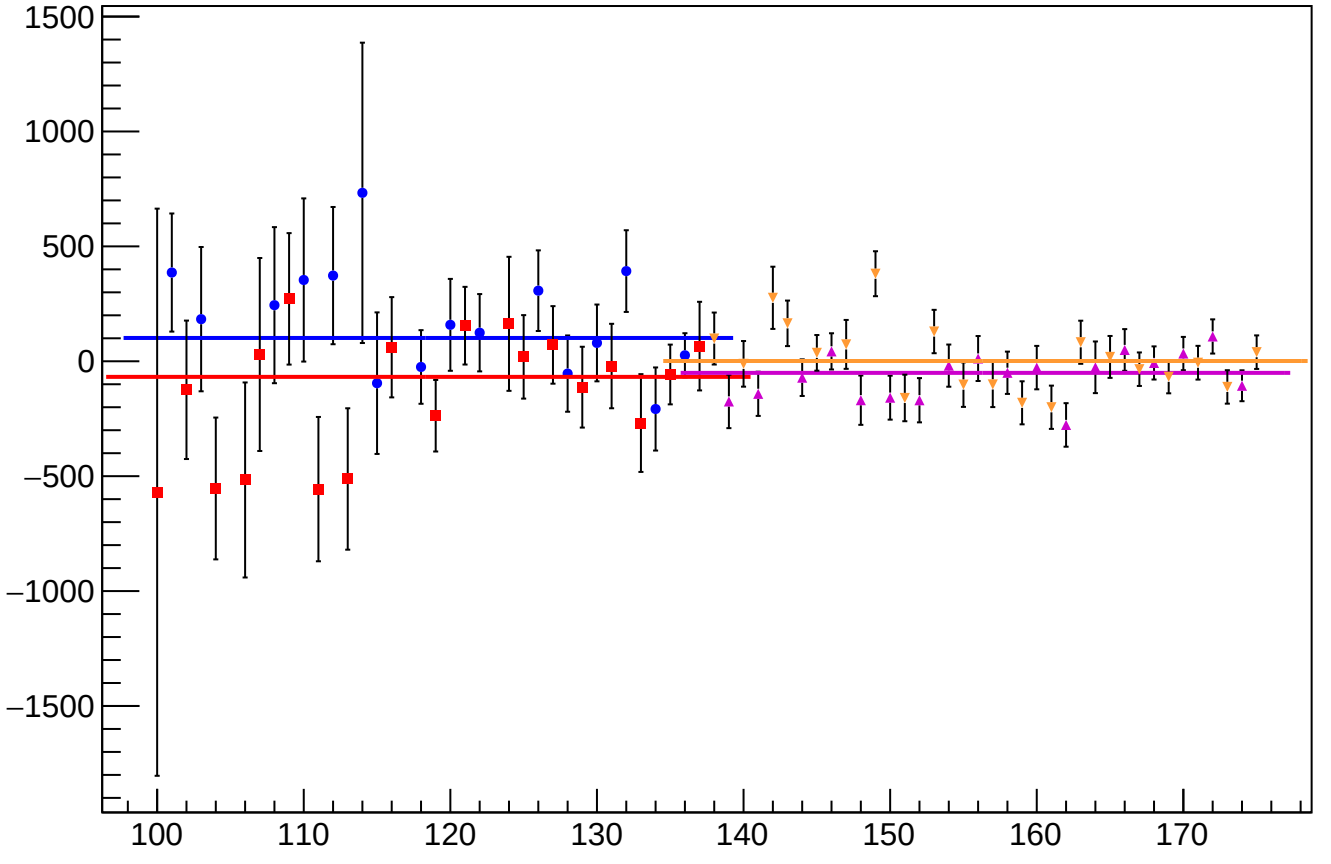
Left In: 469.336+/-0.090 χ^2/NDF:2328824.8/17

+ sign 523.775+/-0.086 χ^2/NDF: 8749564.8/35

All: 520.857+/-0.061 χ^2/NDF: 18159353.5/72

- sign 517.833+/-0.088 χ^2/NDF: 9407449.8/36

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 1.173+/-19.930 χ^2/NDF:42.9/19

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

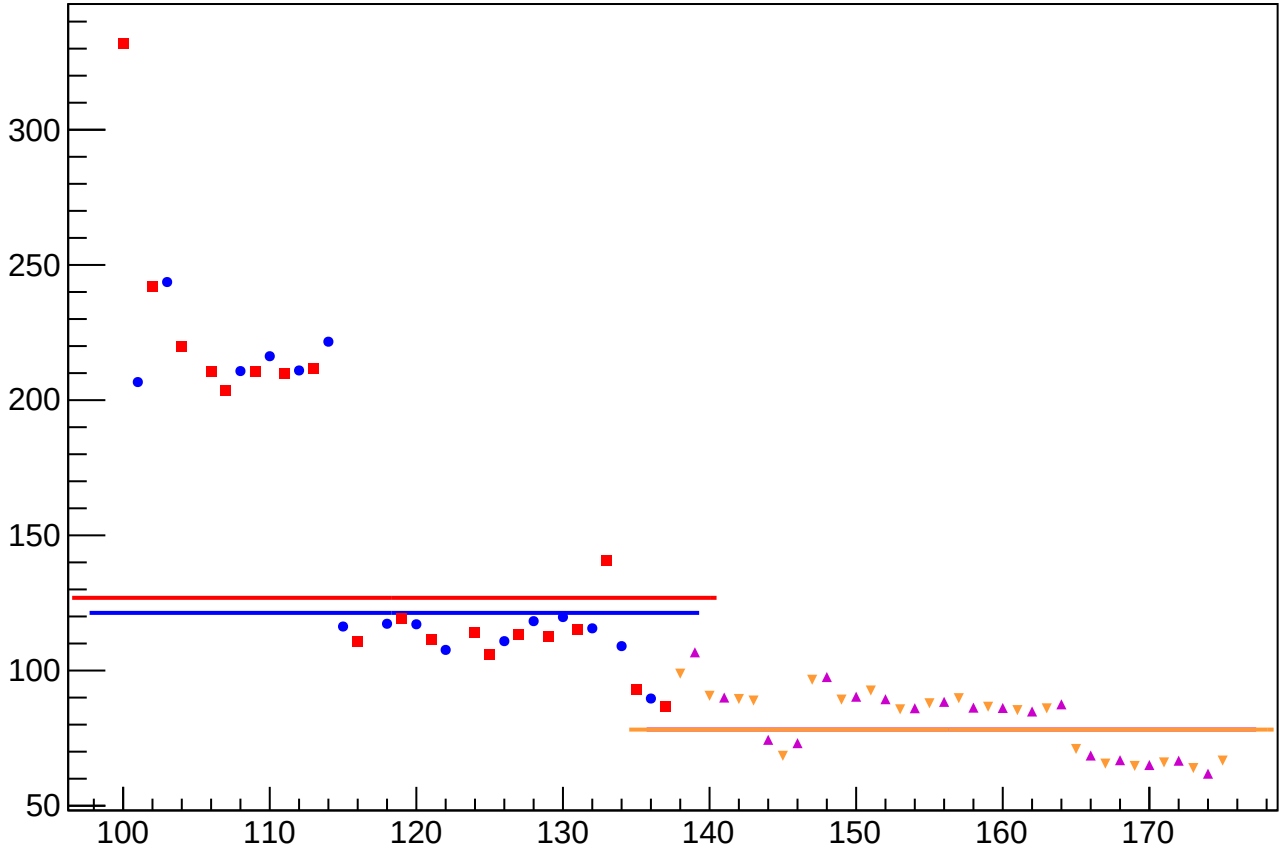
Left In: -50.464+/-20.608 χ^2/NDF:22.0/17

+ sign 16.113+/-18.385 χ^2/NDF: 60.0/35

All: -17.304+/-13.217 χ^2/NDF: 105.1/72

- sign -53.052+/-19.015 χ^2/NDF: 38.2/36

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 78.163+/-0.014 χ^2/NDF:718251.9/19

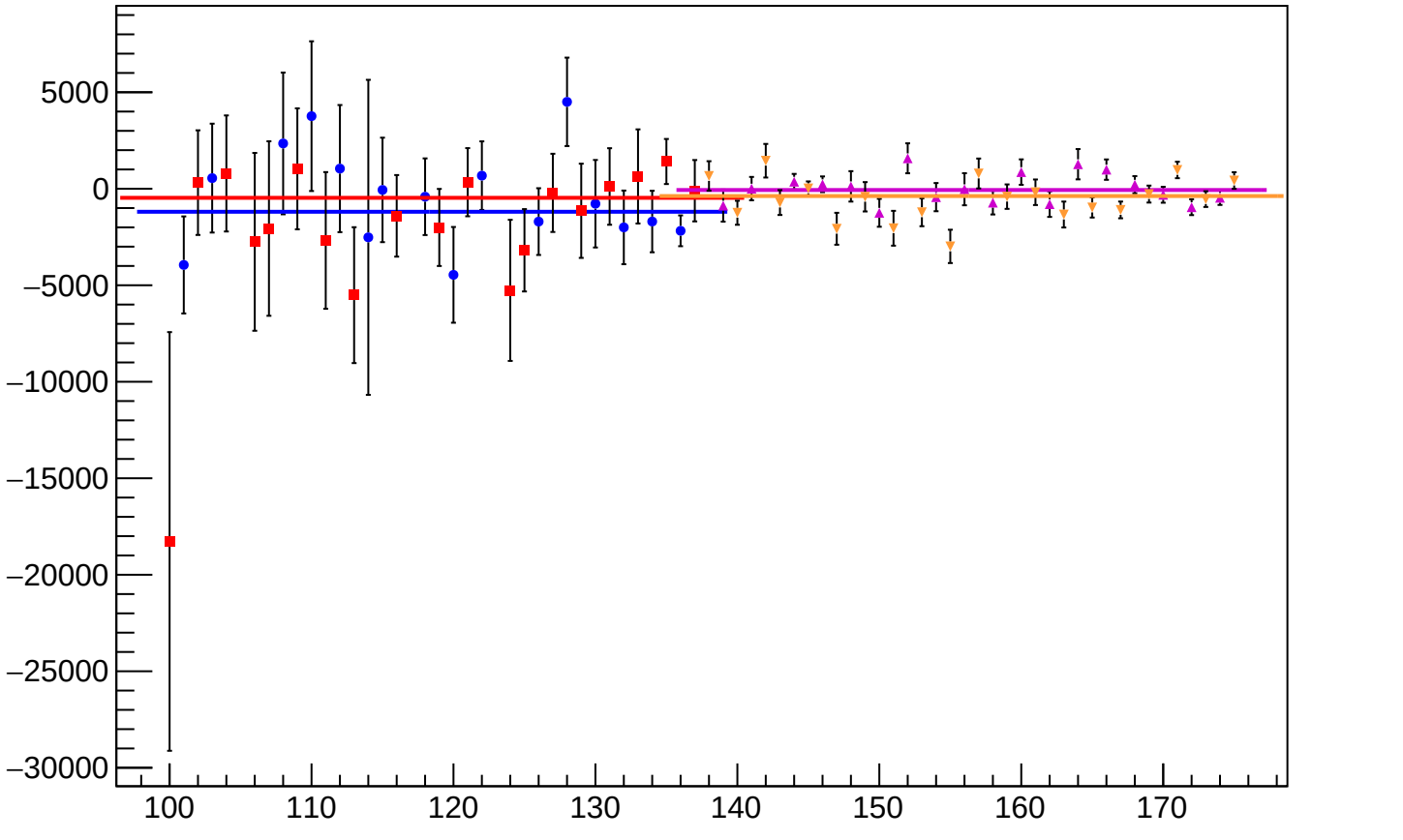
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 78.194+/-0.015 χ^2/NDF:682091.2/17

\+ sign 84.594+/-0.013 χ^2/NDF: 3402575.1/35

All: 84.998+/-0.009 χ^2/NDF: 7211799.1/72

\- sign 85.430+/-0.013 χ^2/NDF: 3807225.3/36



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -377.575+/-125.887 χ^2/NDF:50.0/19

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

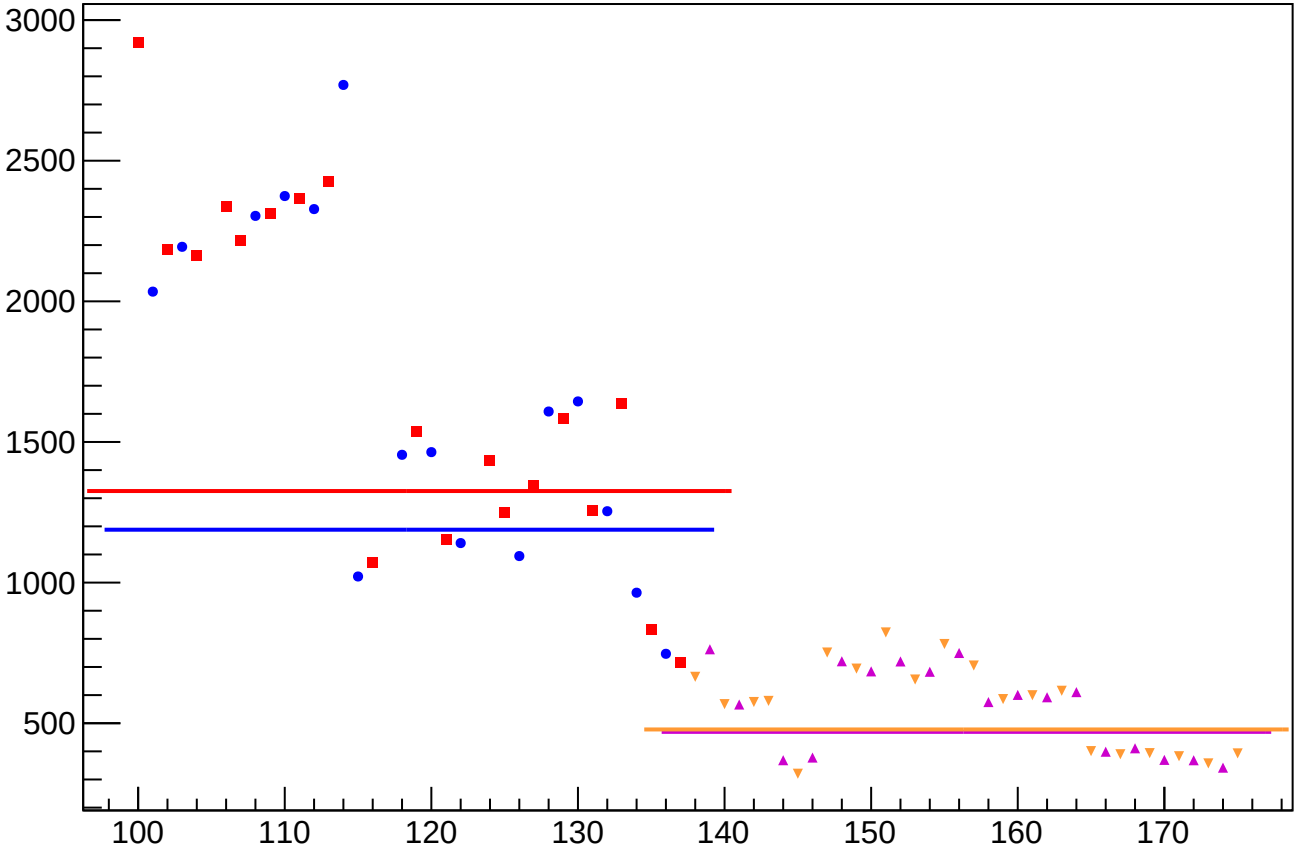
Left In: -64.558+/-127.591 χ^2/NDF:28.0/17

\+ sign -430.221+/-121.751 χ^2/NDF: 68.6/35

All: -261.864+/-86.856 χ^2/NDF: 114.4/72

\- sign -87.383+/-123.945 χ^2/NDF: 41.9/36

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 477.874+/-0.089 χ^2/NDF:2590934.4/19

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

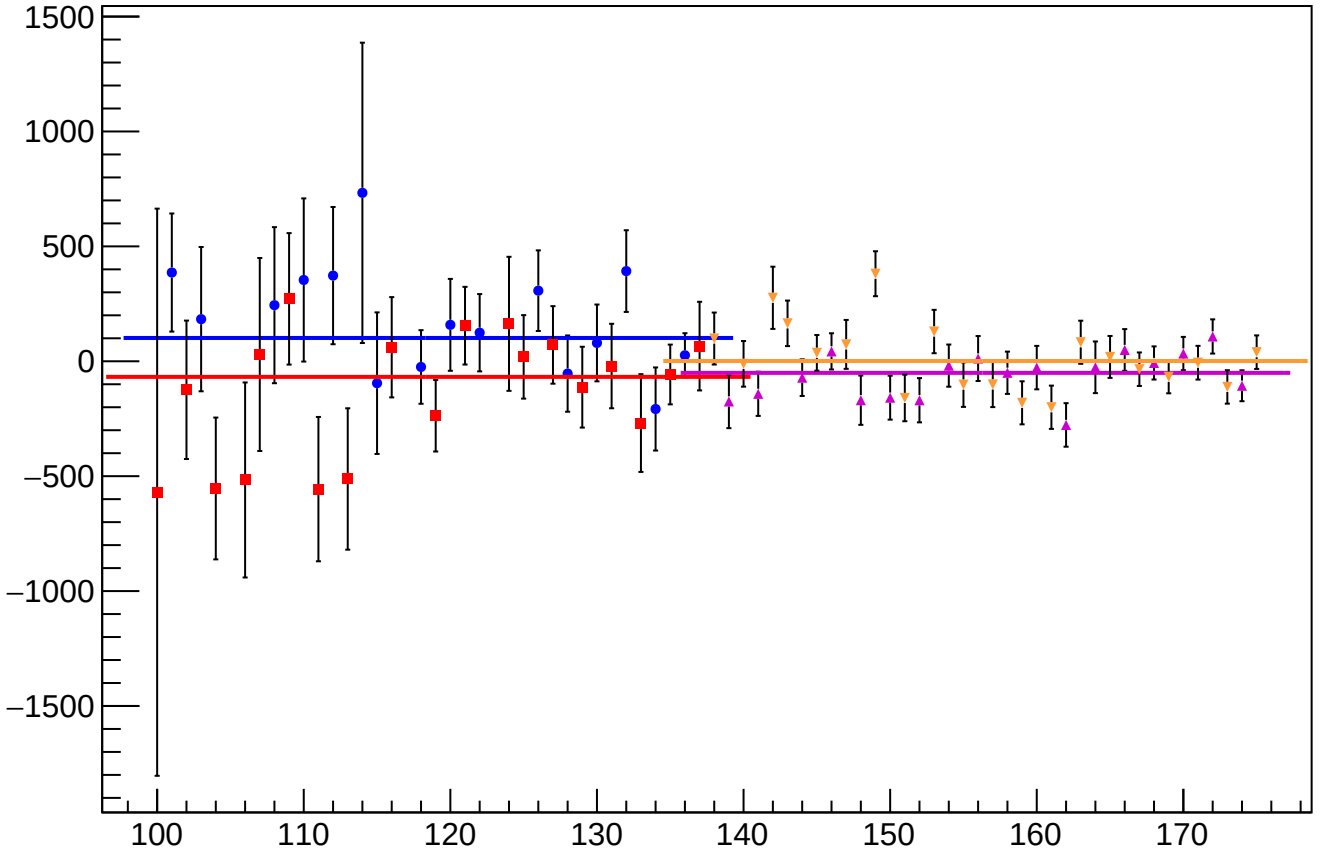
Left In: 469.336+/-0.090 χ^2/NDF:2328827.5/17

+ sign 523.774+/-0.086 χ^2/NDF: 8749593.3/35

All: 520.728+/-0.061 χ^2/NDF: 18075923.7/72

- sign 517.572+/-0.088 χ^2/NDF: 9323781.6/36

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 1.173+/-19.930 χ^2/NDF:42.9/19

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

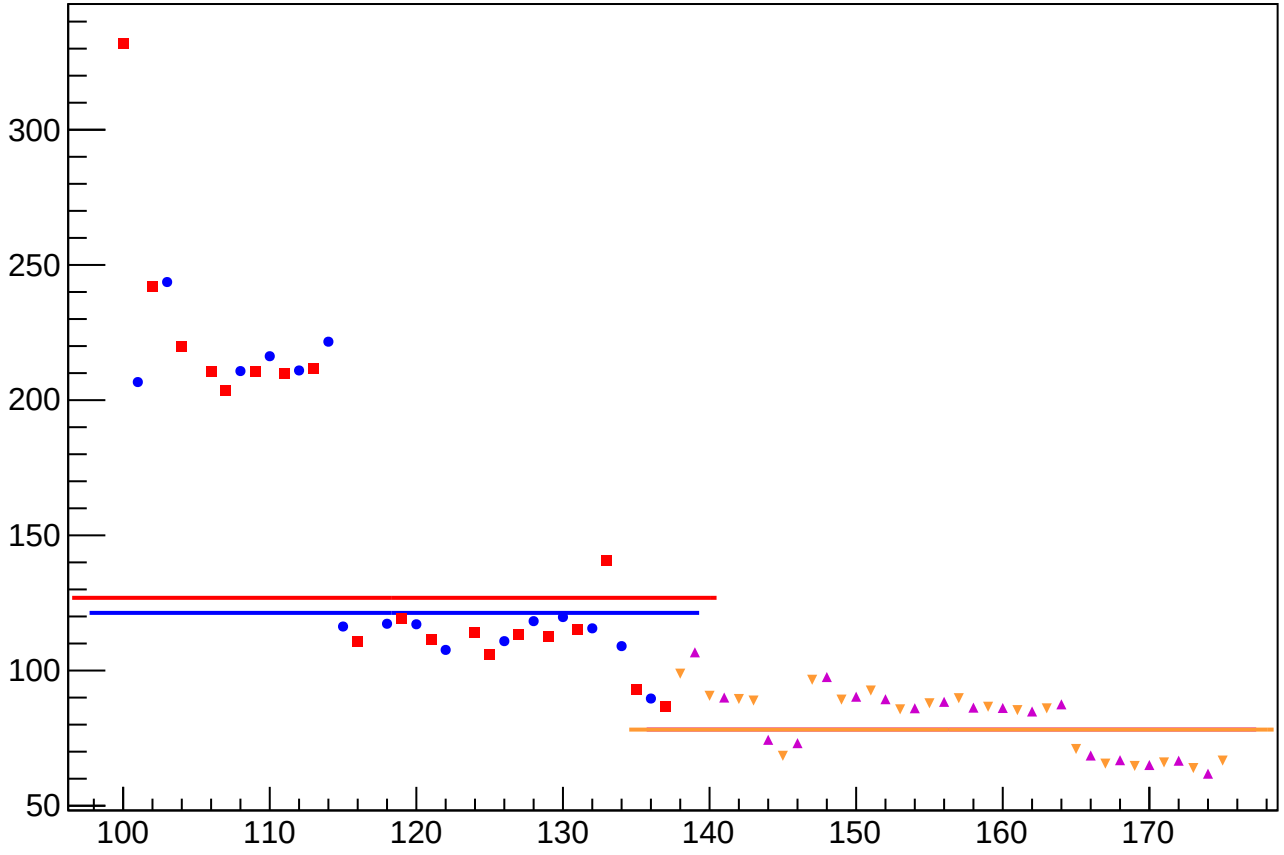
Left In: -50.464+/-20.608 χ^2/NDF:22.0/17

+ sign 16.113+/-18.385 χ^2/NDF: 60.0/35

All: -17.304+/-13.217 χ^2/NDF: 105.1/72

- sign -53.052+/-19.015 χ^2/NDF: 38.2/36

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 78.163+/-0.014 χ^2/NDF:718251.9/19

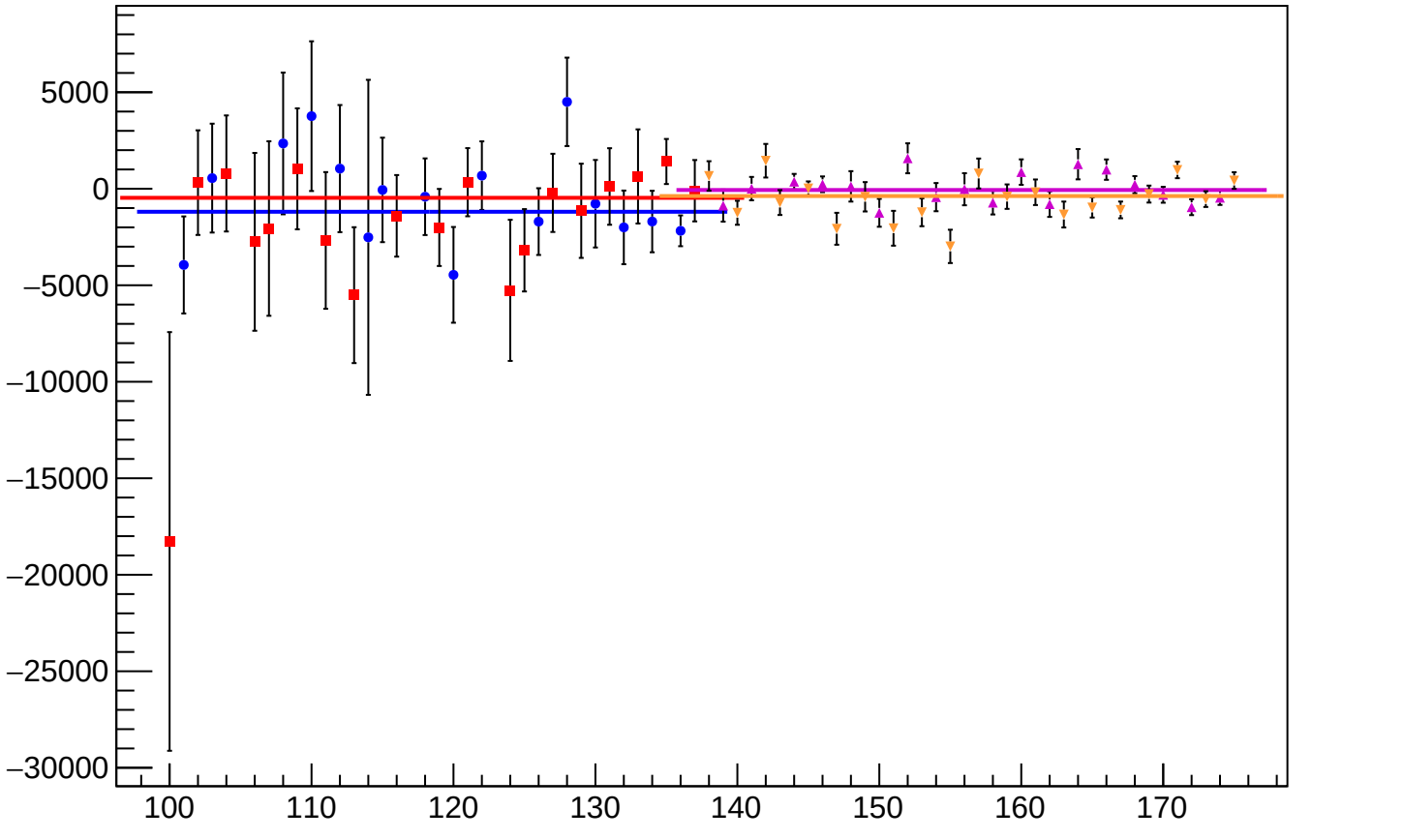
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 78.194+/-0.015 χ^2/NDF:682091.2/17

\+ sign 84.594+/-0.013 χ^2/NDF: 3402575.1/35

All: 84.998+/-0.009 χ^2/NDF: 7211799.1/72

\- sign 85.430+/-0.013 χ^2/NDF: 3807225.3/36



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -377.575+/-125.887 χ^2/NDF:50.0/19

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

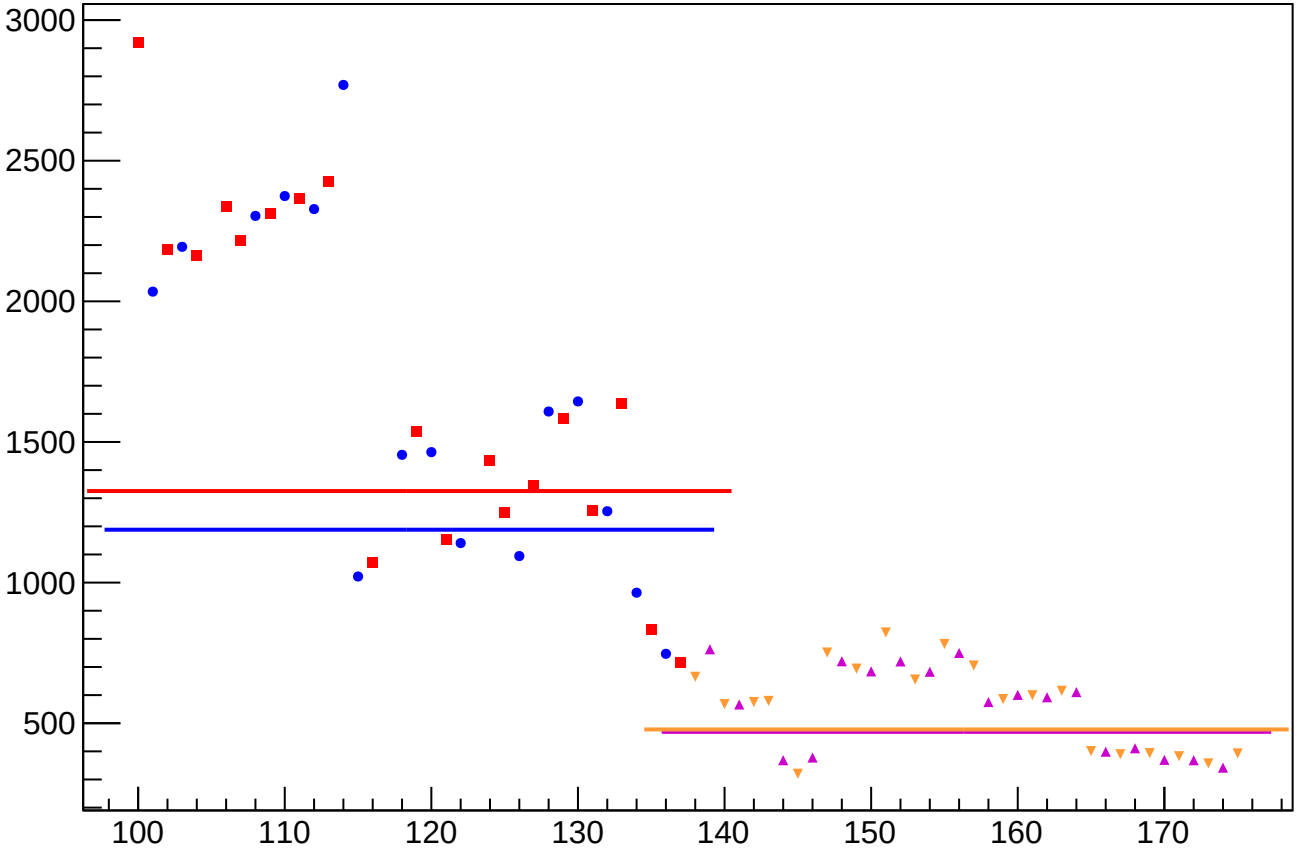
Left In: -64.558+/-127.591 χ^2/NDF:28.0/17

+ sign -430.221+/-121.751 χ^2/NDF: 68.6/35

All: -261.864+/-86.856 χ^2/NDF: 114.4/72

- sign -87.383+/-123.945 χ^2/NDF: 41.9/36

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 477.874+/-0.089 χ^2/NDF:2590934.4/19

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

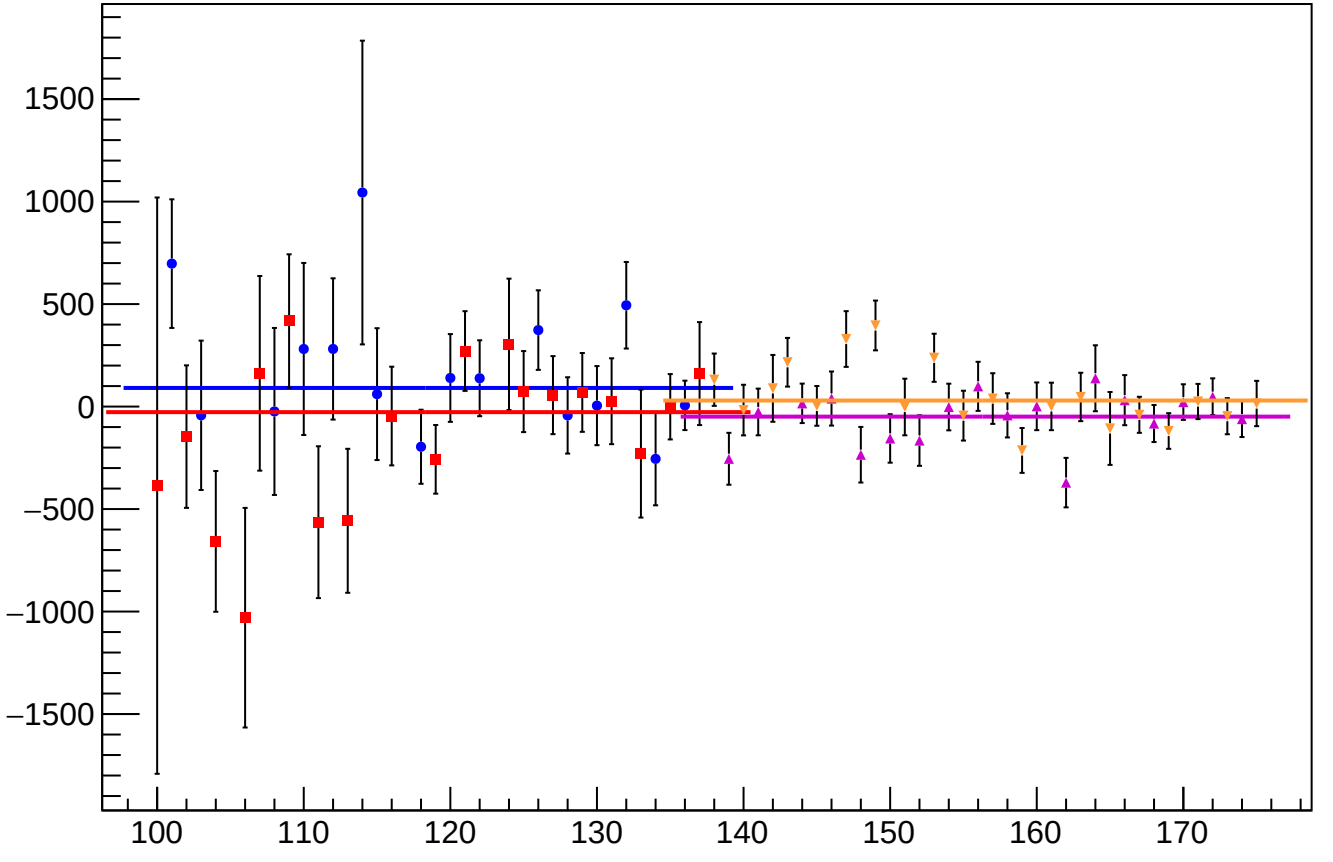
Left In: 469.336+/-0.090 χ^2/NDF:2328827.5/17

\+ sign 523.774+/-0.086 χ^2/NDF: 8749593.3/35

All: 520.728+/-0.061 χ^2/NDF: 18075923.7/72

\- sign 517.572+/-0.088 χ^2/NDF: 9323781.6/36

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 29.596+/-25.069 χ^2/NDF:31.0/19

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

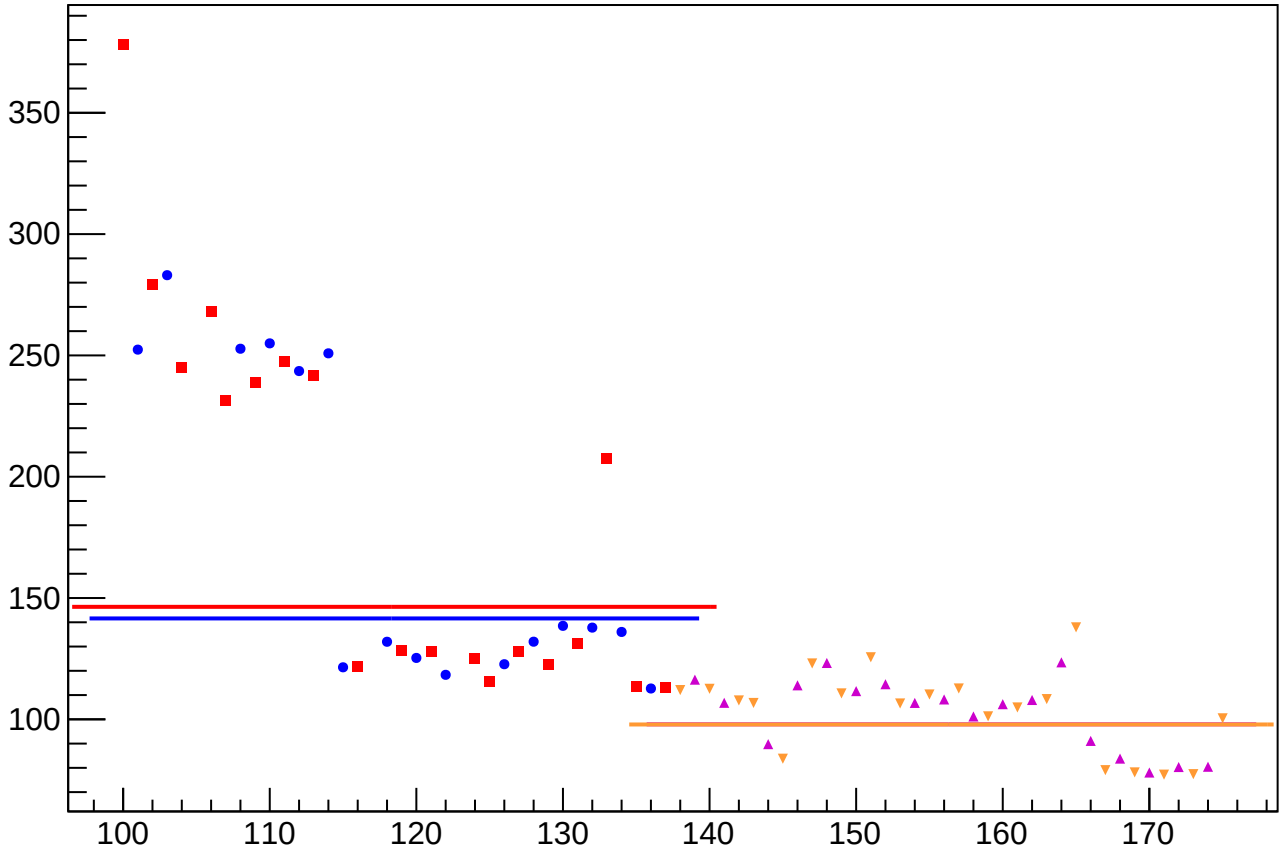
Left In: -49.021+/-25.930 χ^2/NDF:19.9/17

+ sign 39.966+/-22.851 χ^2/NDF: 50.0/35

All: -1.274+/-16.418 χ^2/NDF: 97.4/72

- sign -45.276+/-23.604 χ^2/NDF: 40.6/36

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 97.880+/-0.018 χ^2/NDF:891843.4/19

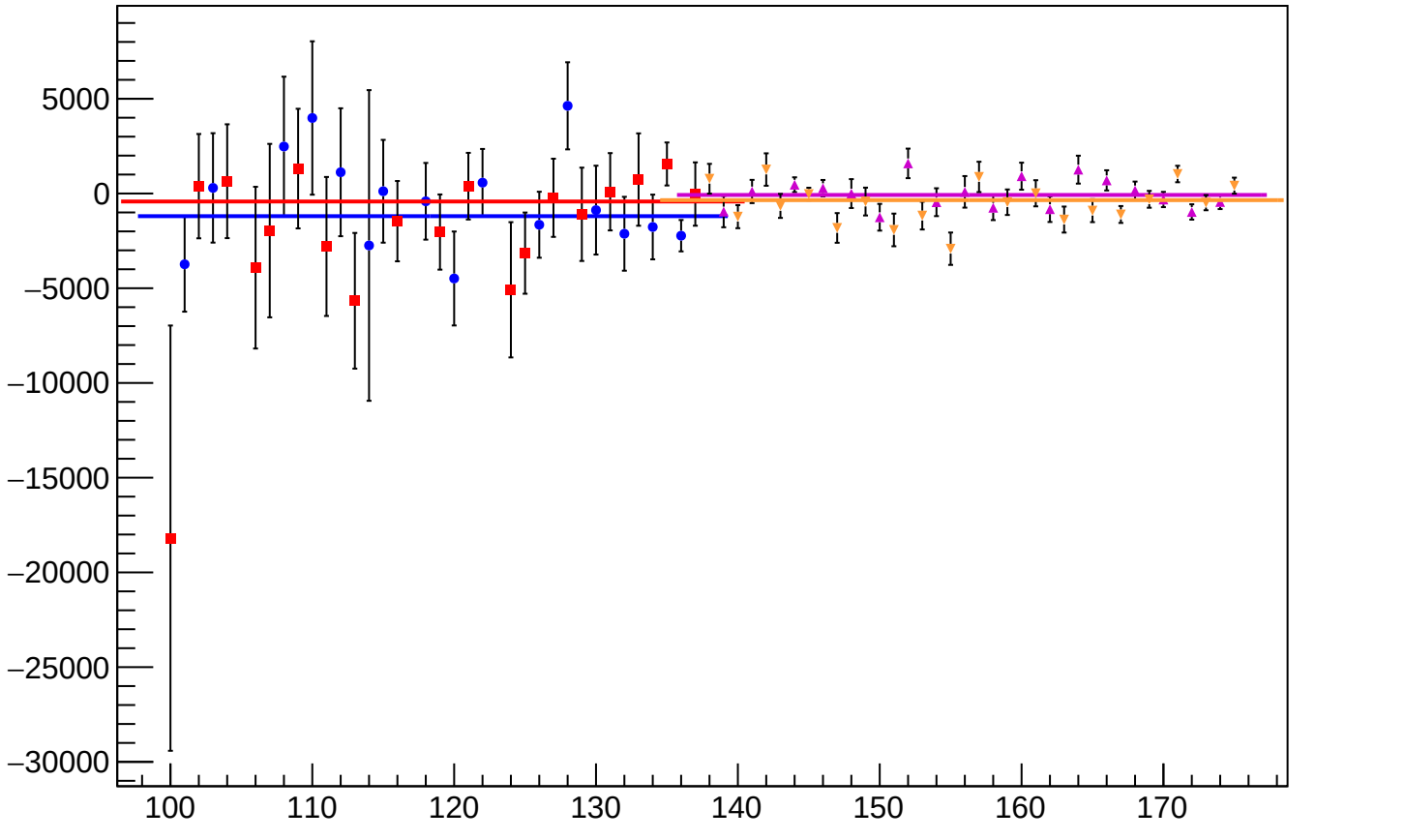
Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 97.941+/-0.018 χ^2/NDF:650091.8/17

+ sign 105.272+/-0.016 χ^2/NDF: 3182378.3/35

All: 105.741+/-0.012 χ^2/NDF: 6543455.4/72

- sign 106.241+/-0.017 χ^2/NDF: 3359335.6/36



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -351.006+/-125.876 χ^2/NDF:48.0/19

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

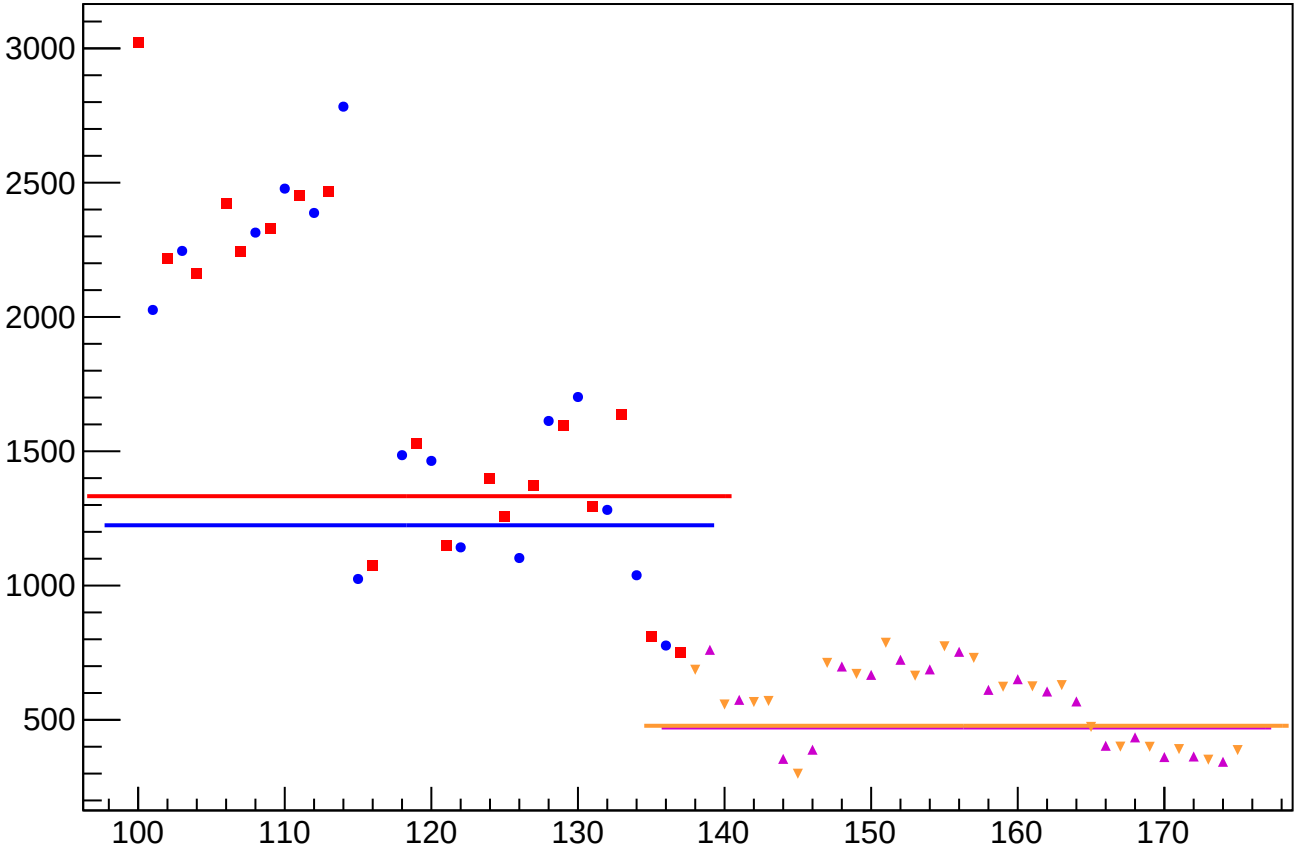
Left In: -77.197+/-128.587 χ^2/NDF:27.6/17

+ sign -403.082+/-121.939 χ^2/NDF: 66.7/35

All: -253.590+/-87.245 χ^2/NDF: 112.1/72

- sign -96.802+/-124.879 χ^2/NDF: 42.3/36

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 478.018+/-0.089 χ^2/NDF:2726626.0/19

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

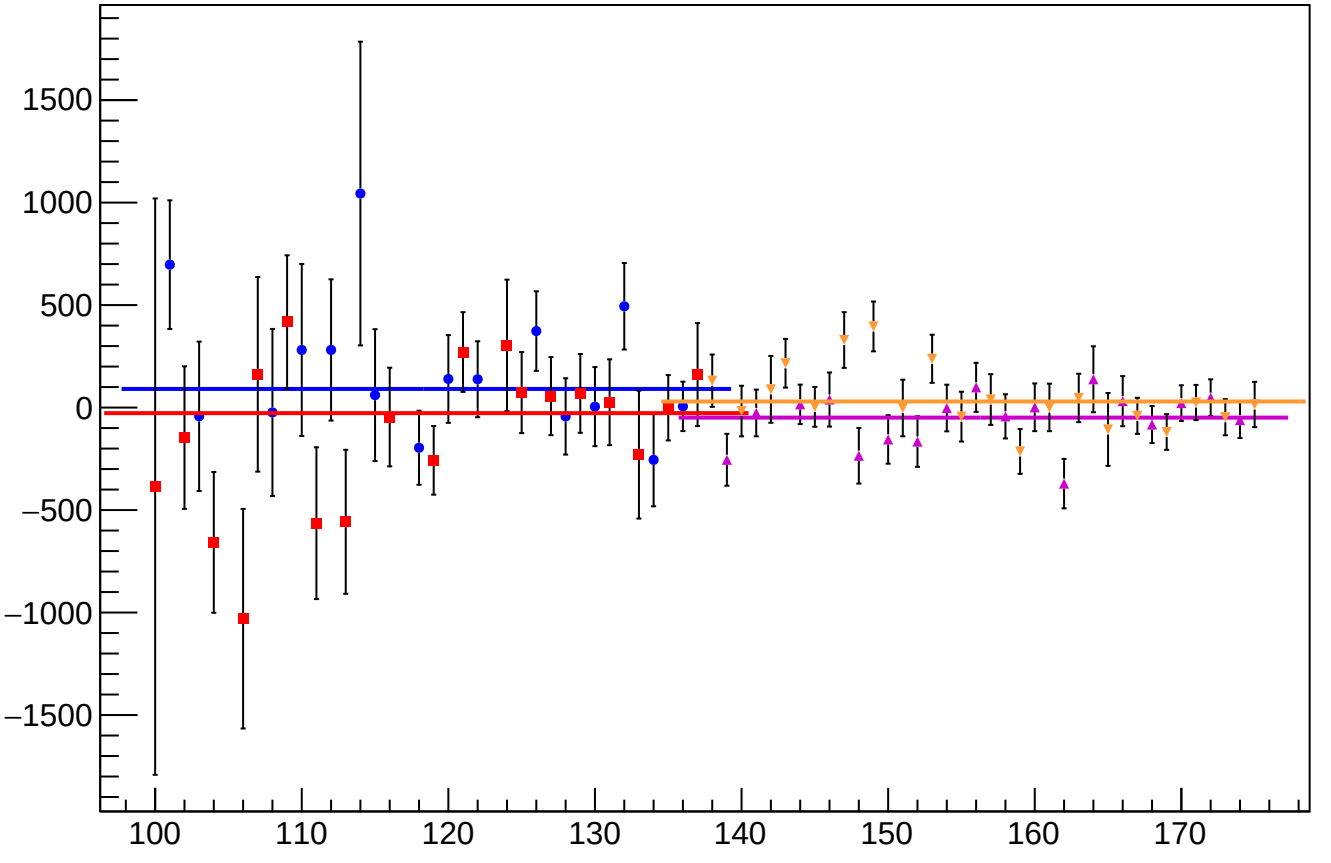
Left In: 471.568+/-0.091 χ^2/NDF:2396327.9/17

+ sign 523.984+/-0.086 χ^2/NDF: 9017001.3/35

All: 522.290+/-0.062 χ^2/NDF: 18507598.7/72

- sign 520.513+/-0.088 χ^2/NDF: 9489806.1/36

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 29.594+/-25.069 χ^2/NDF:31.0/19

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

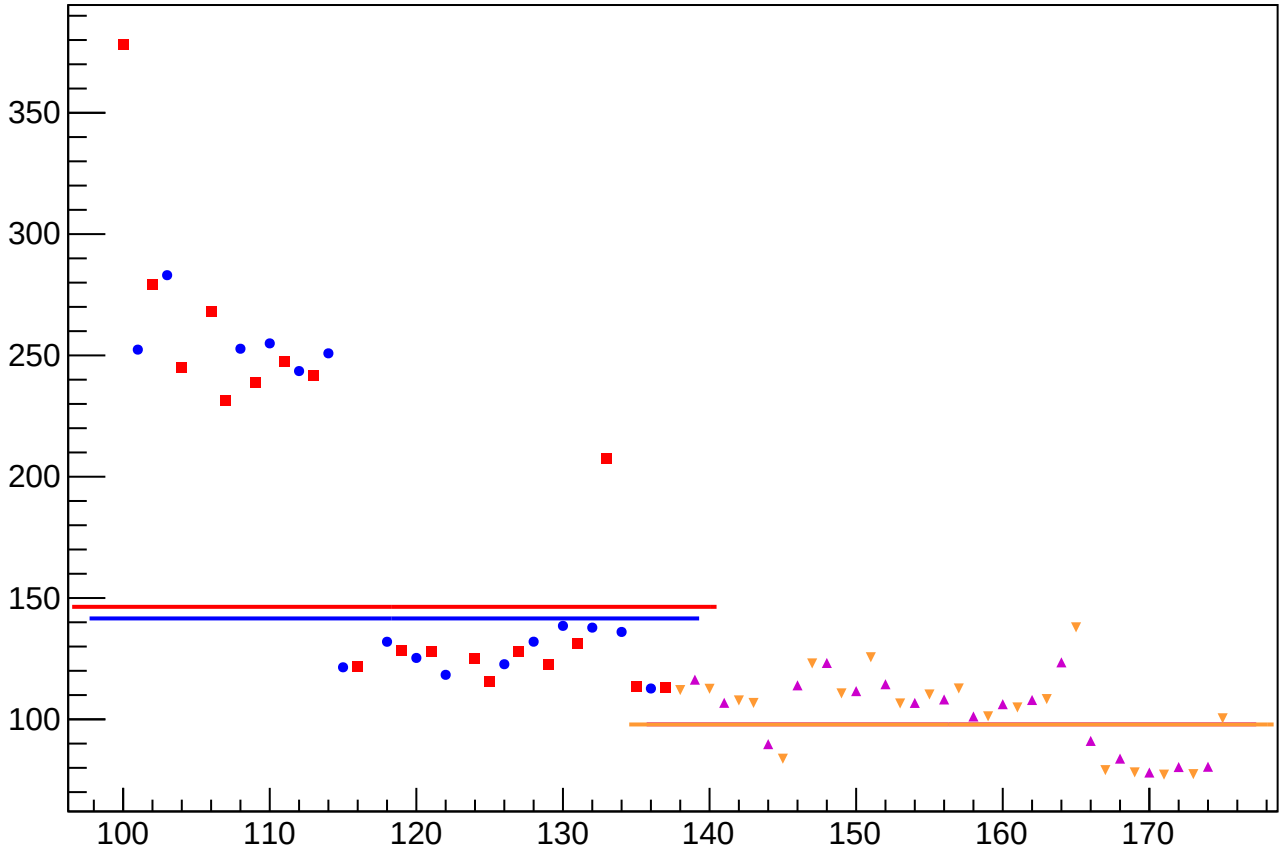
Left In: -49.019+/-25.930 χ^2/NDF:19.9/17

+ sign 39.964+/-22.851 χ^2/NDF: 50.0/35

All: -1.274+/-16.418 χ^2/NDF: 97.4/72

- sign -45.275+/-23.604 χ^2/NDF: 40.6/36

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 97.880+/-0.018 χ^2/NDF:891840.1/19

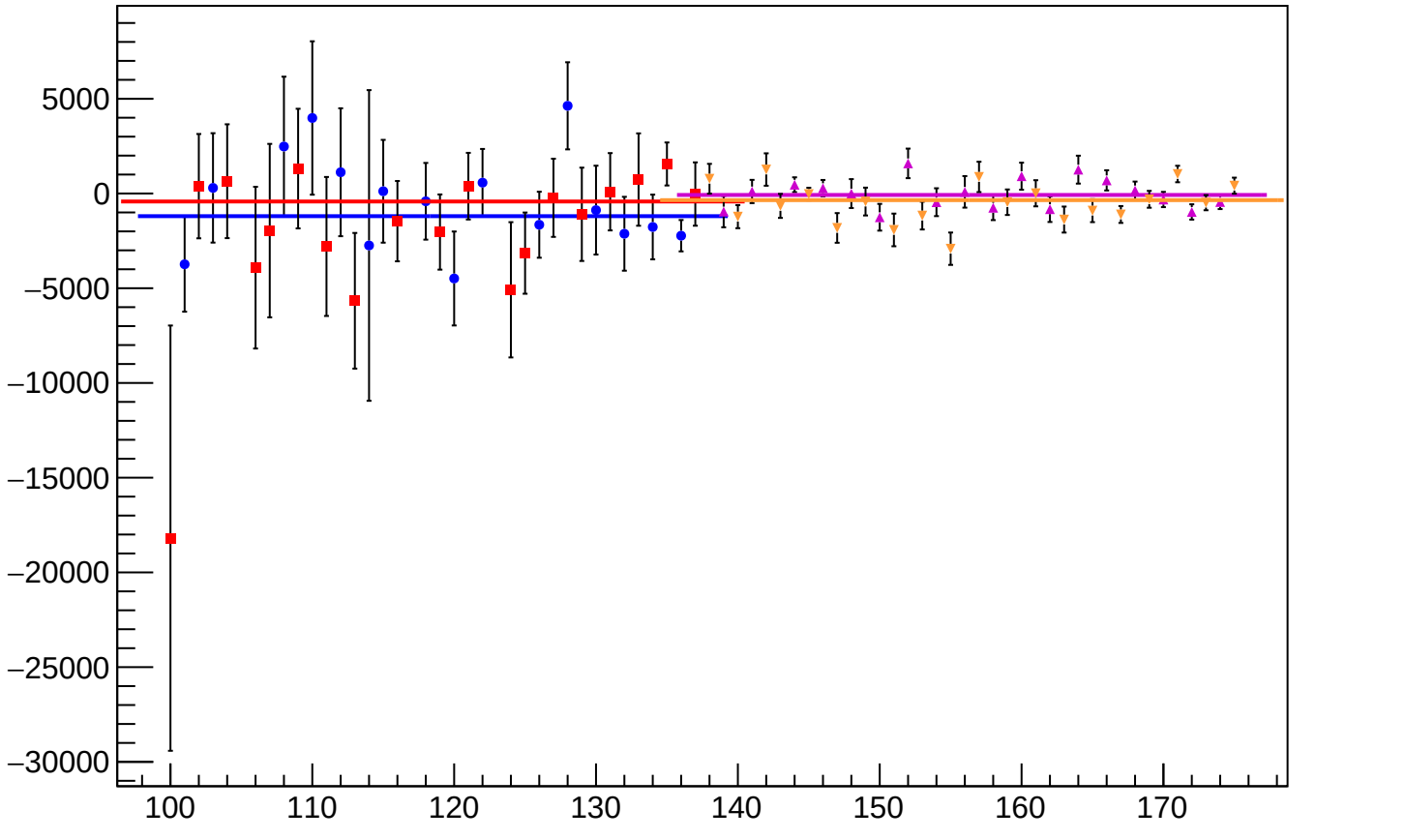
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.941+/-0.018 χ^2/NDF:650079.9/17

+ sign 105.272+/-0.016 χ^2/NDF: 3182323.4/35

All: 105.741+/-0.012 χ^2/NDF: 6543339.9/72

- sign 106.241+/-0.017 χ^2/NDF: 3359274.3/36



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -351.006+/-125.876 χ^2/NDF:48.0/19

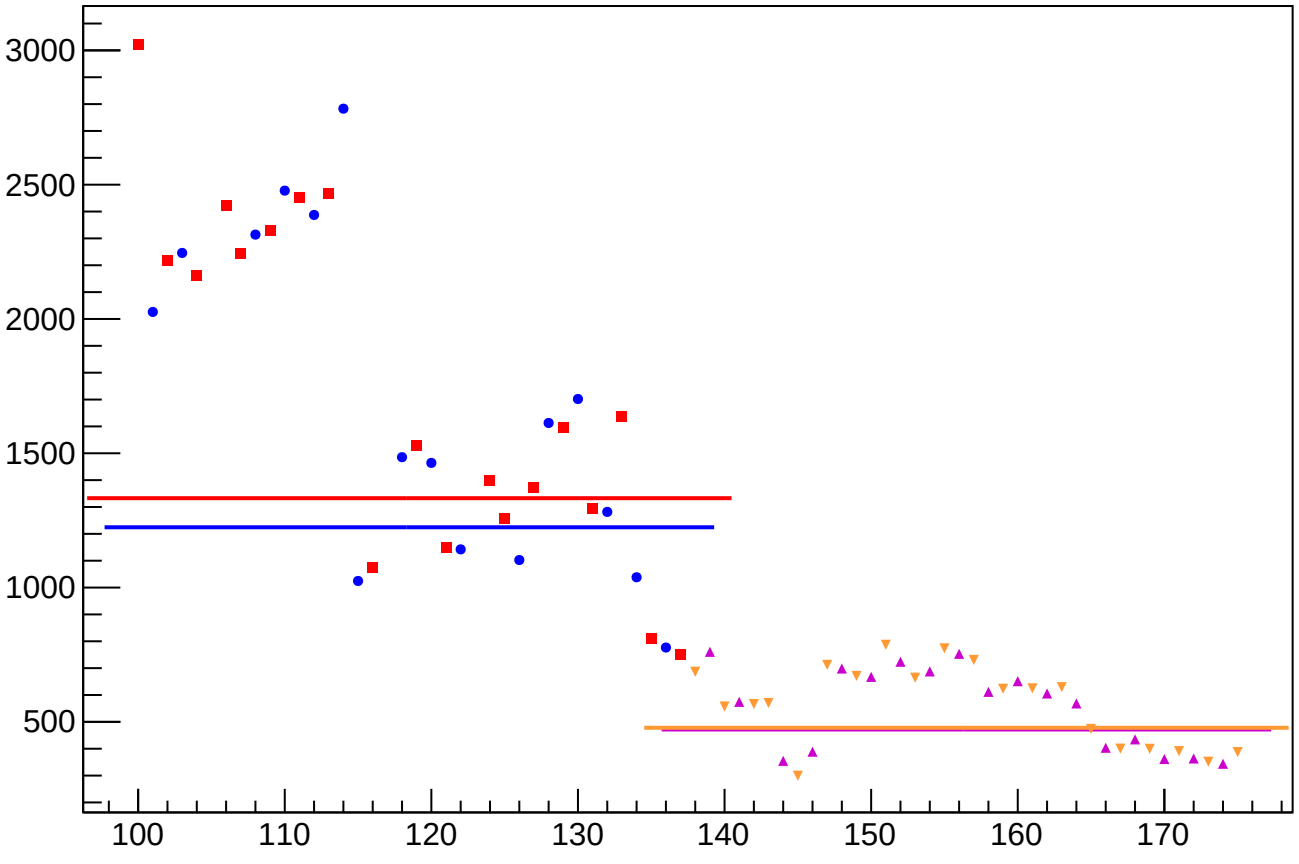
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -77.195+/-128.587 χ^2/NDF:27.6/17

+ sign -403.081+/-121.939 χ^2/NDF: 66.7/35

All: -253.590+/-87.245 χ^2/NDF: 112.1/72

- sign -96.801+/-124.879 χ^2/NDF: 42.3/36



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 478.017+/-0.089 χ^2/NDF:2726650.8/19

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

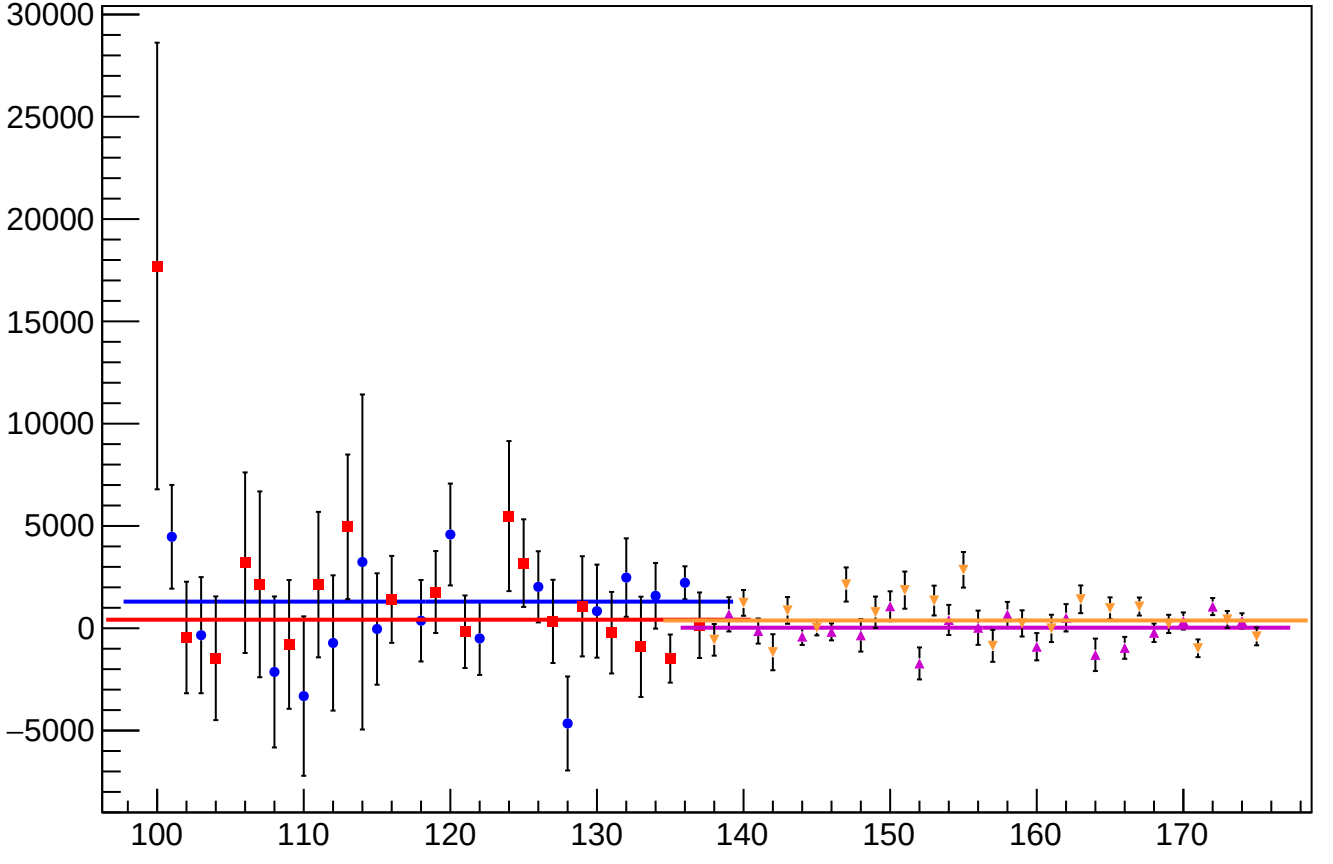
Left In: 471.568+/-0.091 χ^2/NDF:2396328.4/17

+ sign 523.984+/-0.086 χ^2/NDF: 9017017.2/35

All: 522.290+/-0.062 χ^2/NDF: 18507601.1/72

- sign 520.513+/-0.088 χ^2/NDF: 9489793.0/36

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 380.736+/-127.657 χ^2/NDF:47.4/19

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

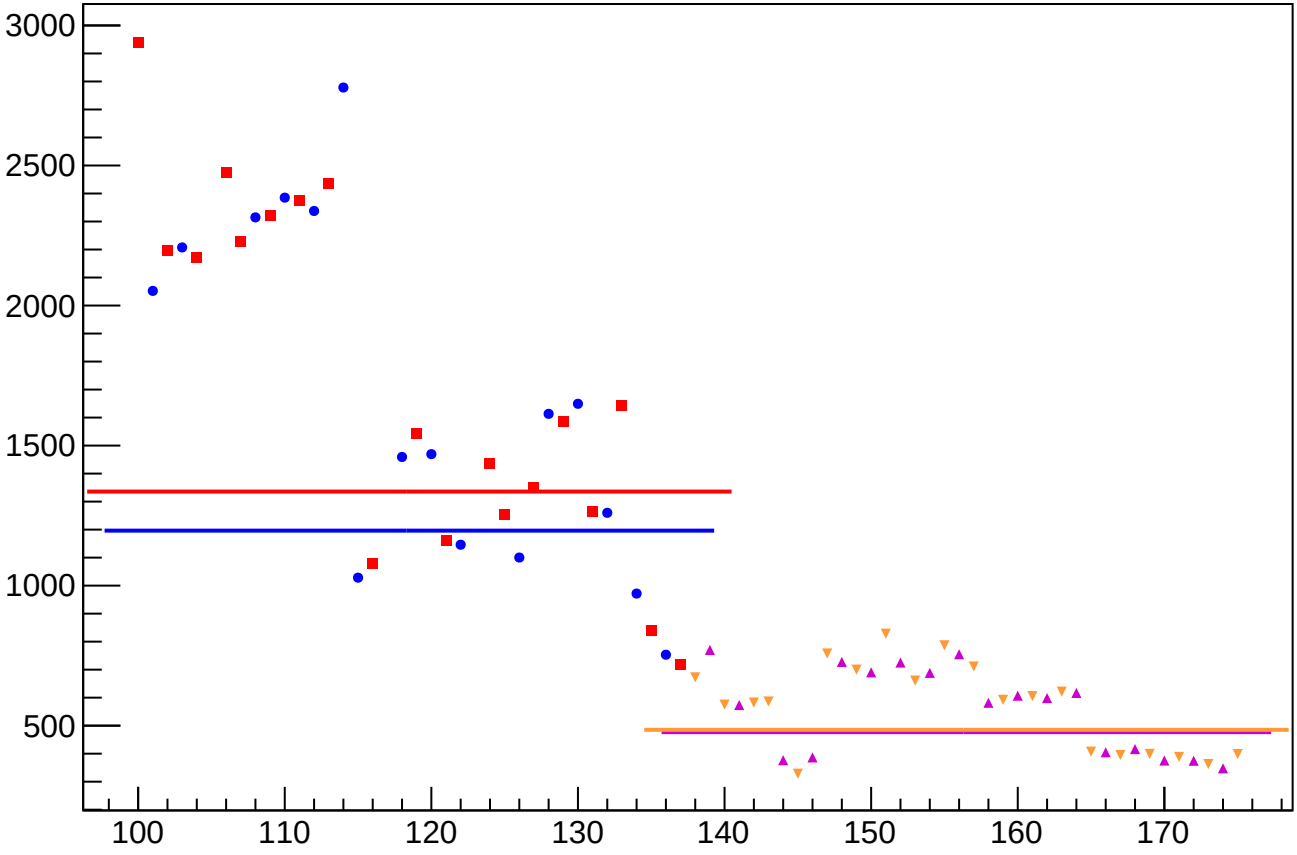
Left In: 27.379+/-129.482 χ^2/NDF:27.0/17

+ sign 441.107+/-123.402 χ^2/NDF: 67.3/35

All: 249.092+/-88.062 χ^2/NDF: 112.8/72

- sign 49.833+/-125.708 χ^2/NDF: 40.6/36

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 485.184+/-0.090 χ^2/NDF:2525491.0/19

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

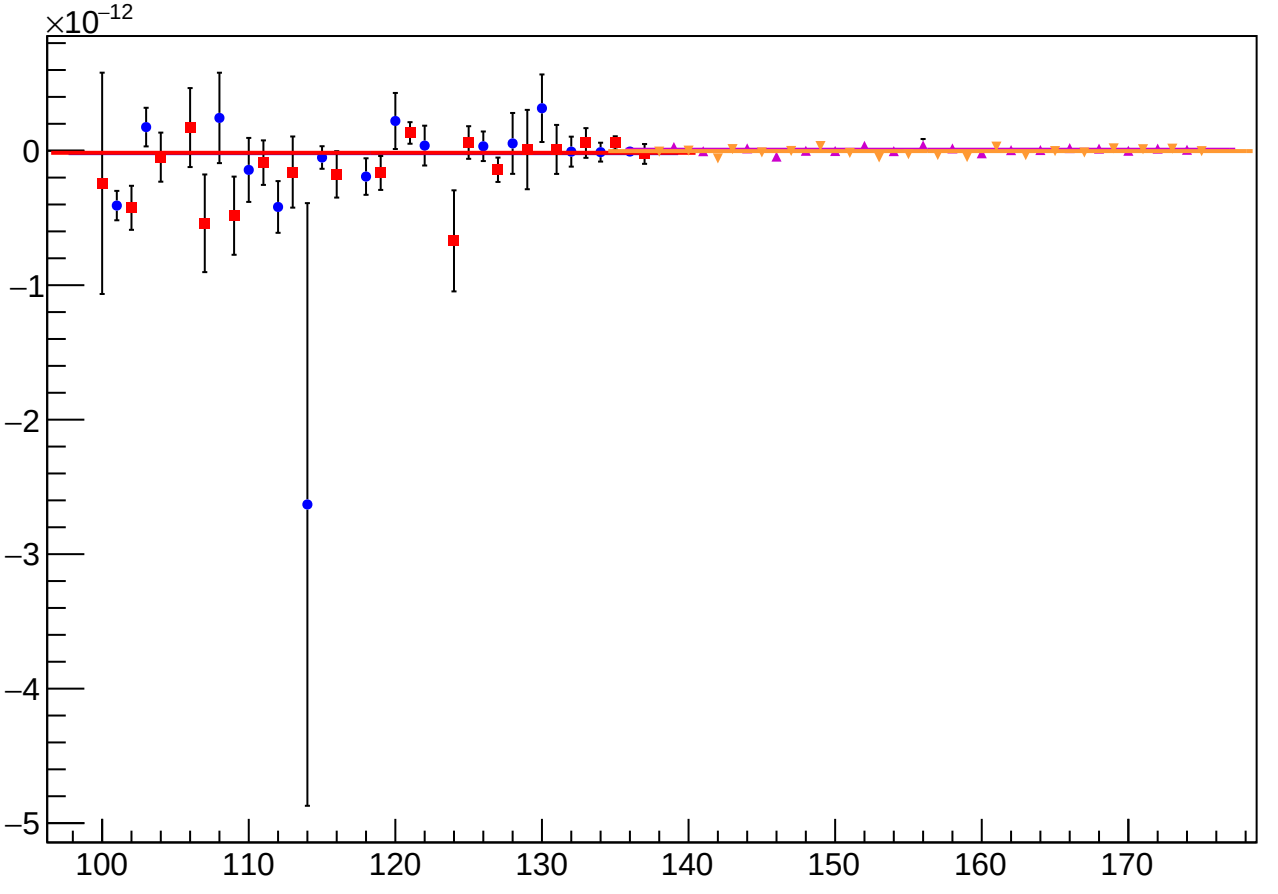
Left In: 476.861+/-0.092 χ^2/NDF:2269678.8/17

+ sign 531.807+/-0.087 χ^2/NDF: 8626390.6/35

All: 529.055+/-0.062 χ^2/NDF: 17904982.6/72

- sign 526.199+/-0.089 χ^2/NDF: 9276564.7/36

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/19

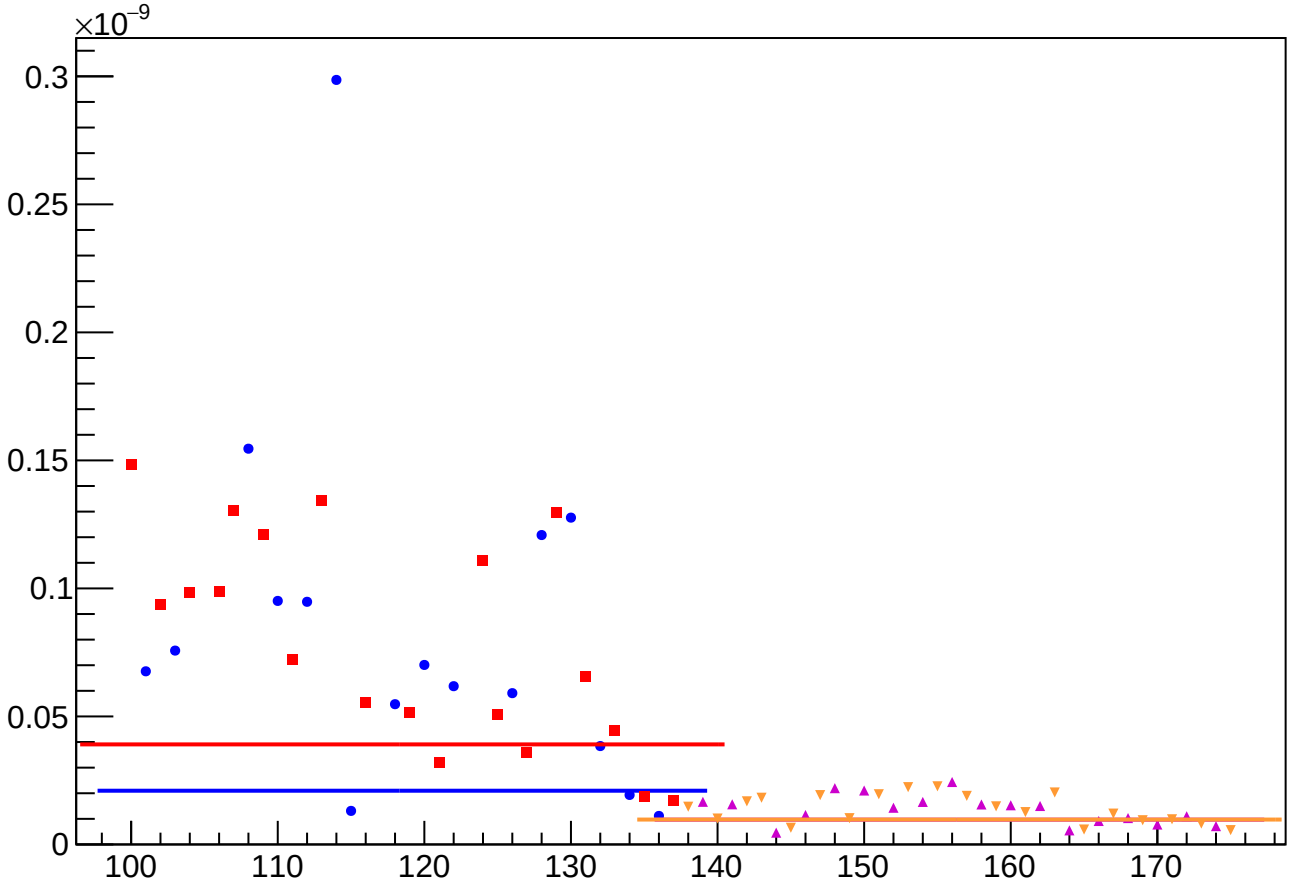
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 46.4/35

All: 0.000+/-0.000 χ^2/NDF: 89.2/72

- sign 0.000+/-0.000 χ^2/NDF: 39.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2358404.8/19

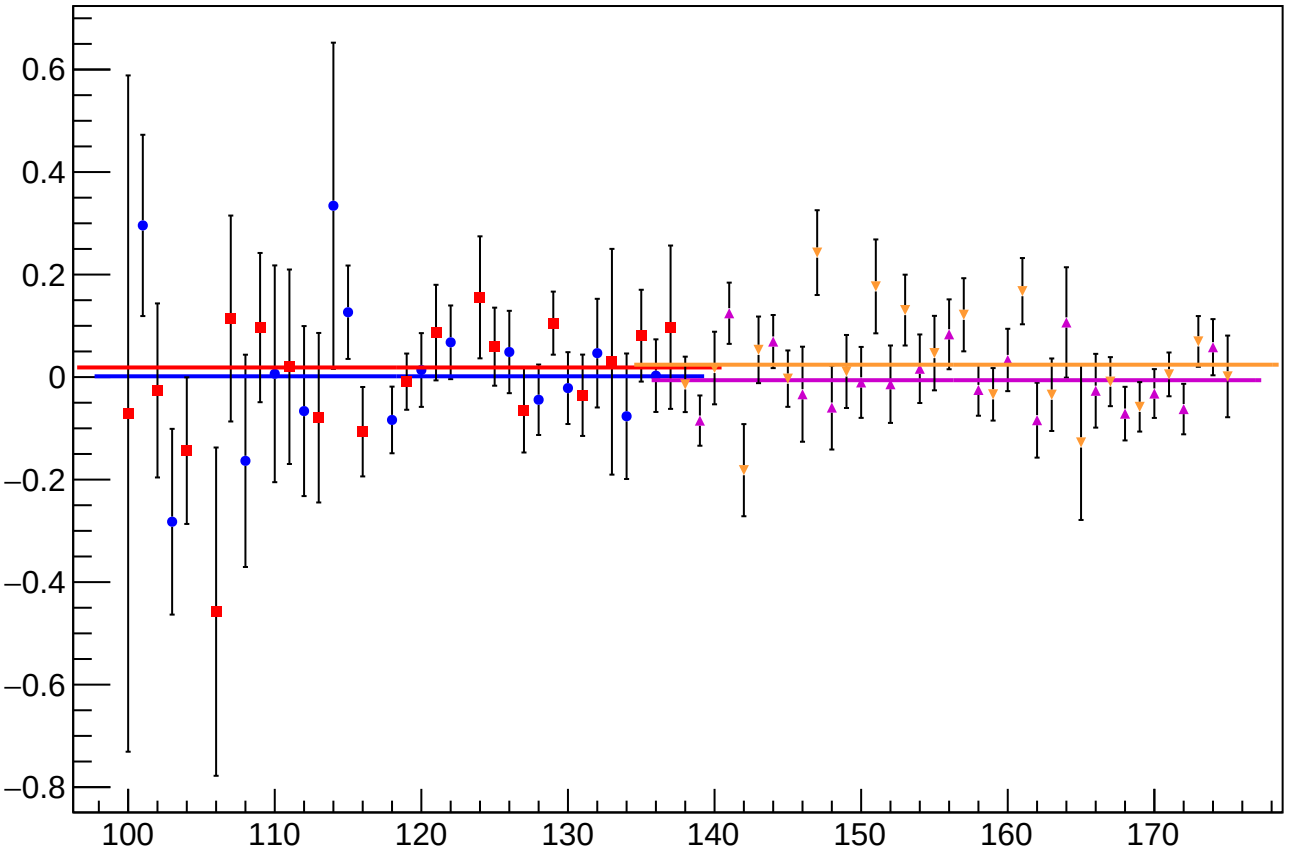
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2168065.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 6496731.4/35

All: 0.000+/-0.000 χ^2/NDF: 12952268.0/72

- sign 0.000+/-0.000 χ^2/NDF: 6454539.9/36



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.014 χ^2/NDF:32.7/19

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

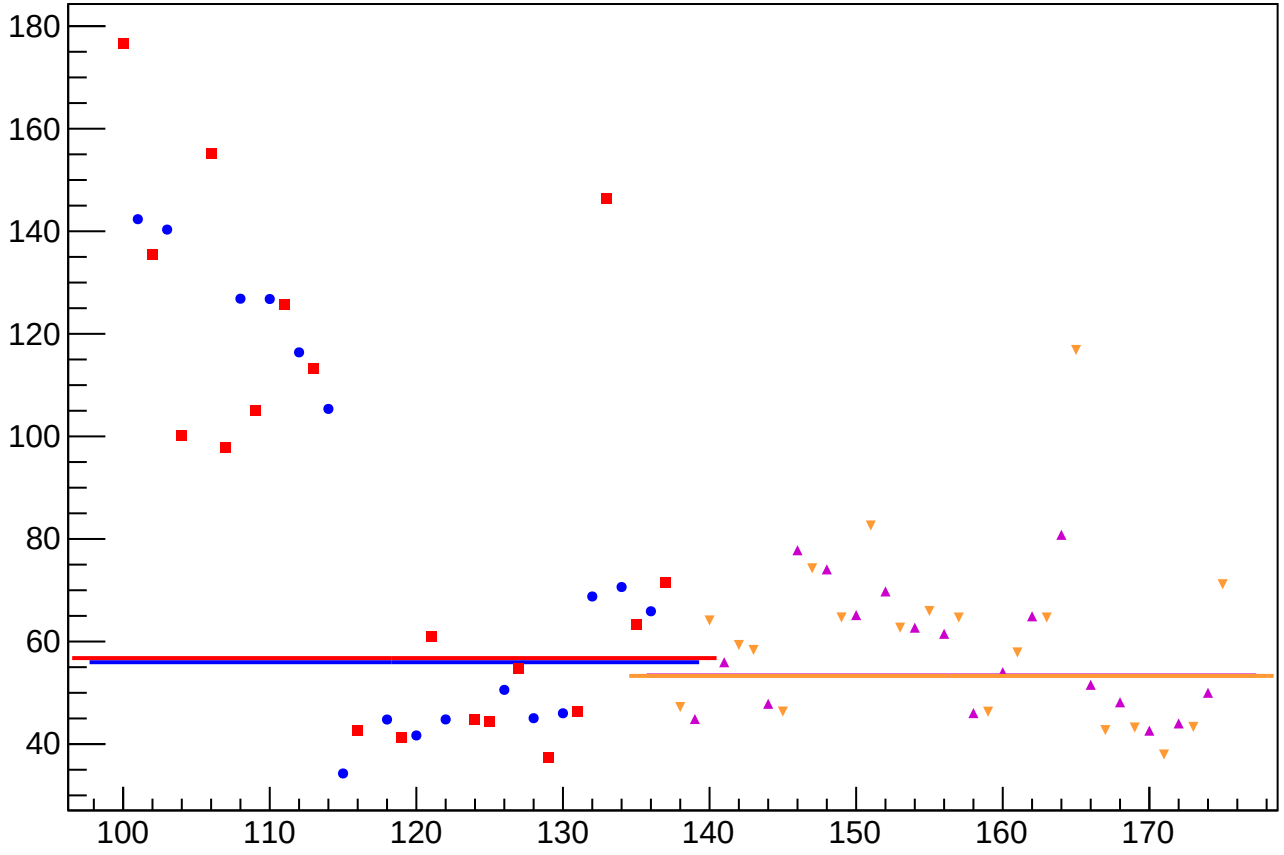
Left In: -0.006+/-0.014 χ^2/NDF:19.3/17

+ sign 0.018+/-0.012 χ^2/NDF: 46.5/35

All: 0.010+/-0.009 χ^2/NDF: 80.7/72

- sign 0.001+/-0.012 χ^2/NDF: 33.2/36

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.301+/-0.010 χ^2/NDF:1734681.4/19

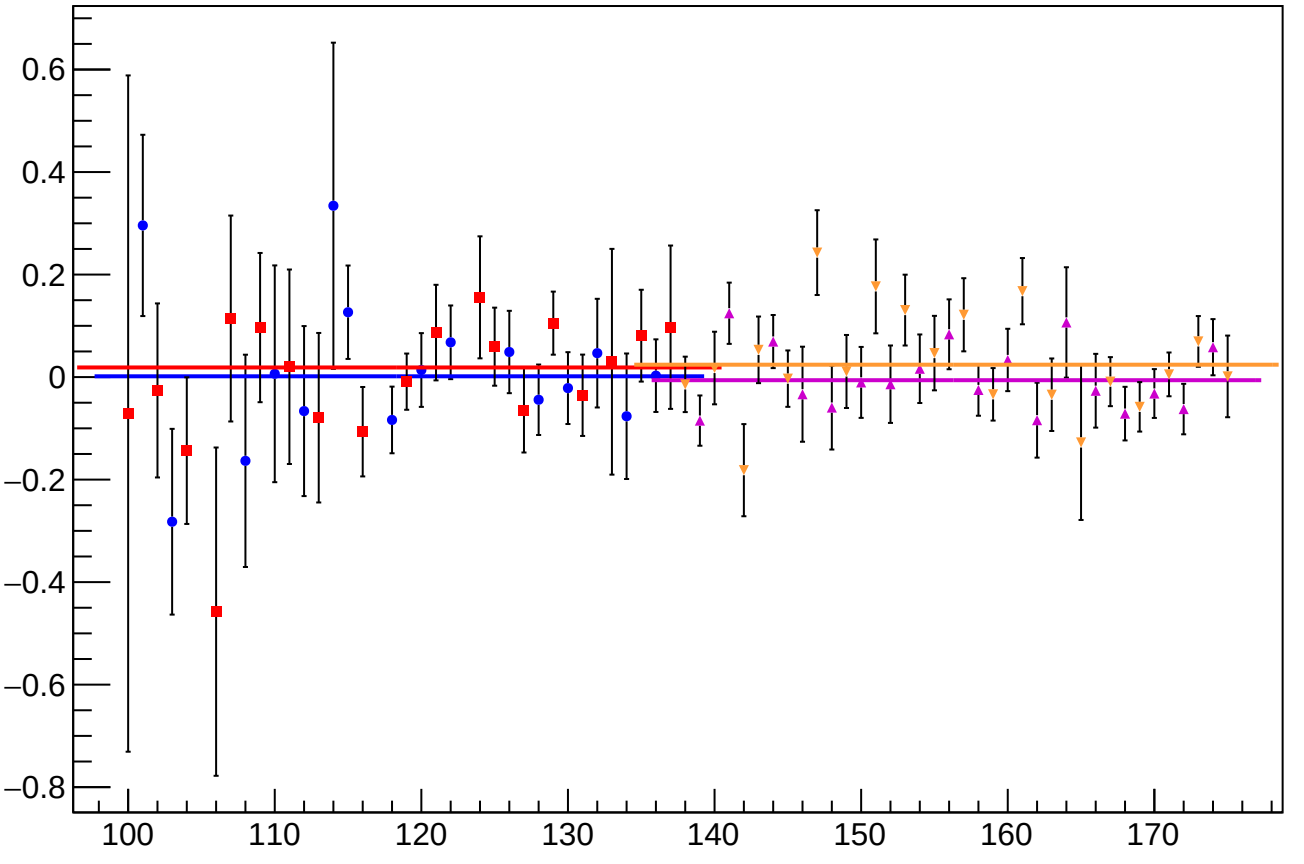
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.392+/-0.010 χ^2/NDF:997613.1/17

+ sign 54.000+/-0.008 χ^2/NDF: 3933652.5/35

All: 54.152+/-0.006 χ^2/NDF: 7515202.6/72

- sign 54.310+/-0.009 χ^2/NDF: 3580895.5/36



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.014 χ^2/NDF:32.7/19

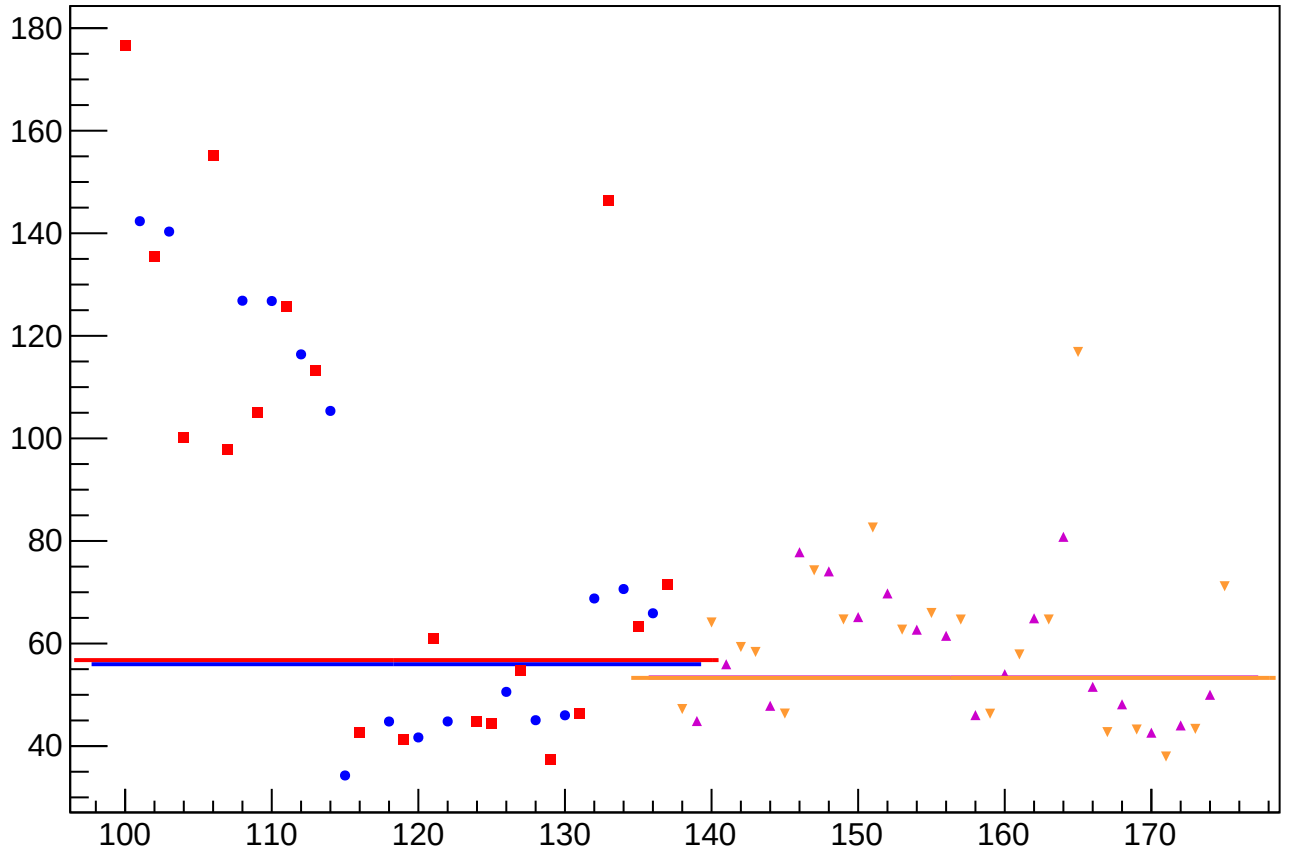
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.006+/-0.014 χ^2/NDF:19.3/17

+ sign 0.018+/-0.012 χ^2/NDF: 46.5/35

All: 0.010+/-0.009 χ^2/NDF: 80.7/72

- sign 0.001+/-0.012 χ^2/NDF: 33.2/36



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.301+/-0.010 χ^2/NDF:1734681.4/19

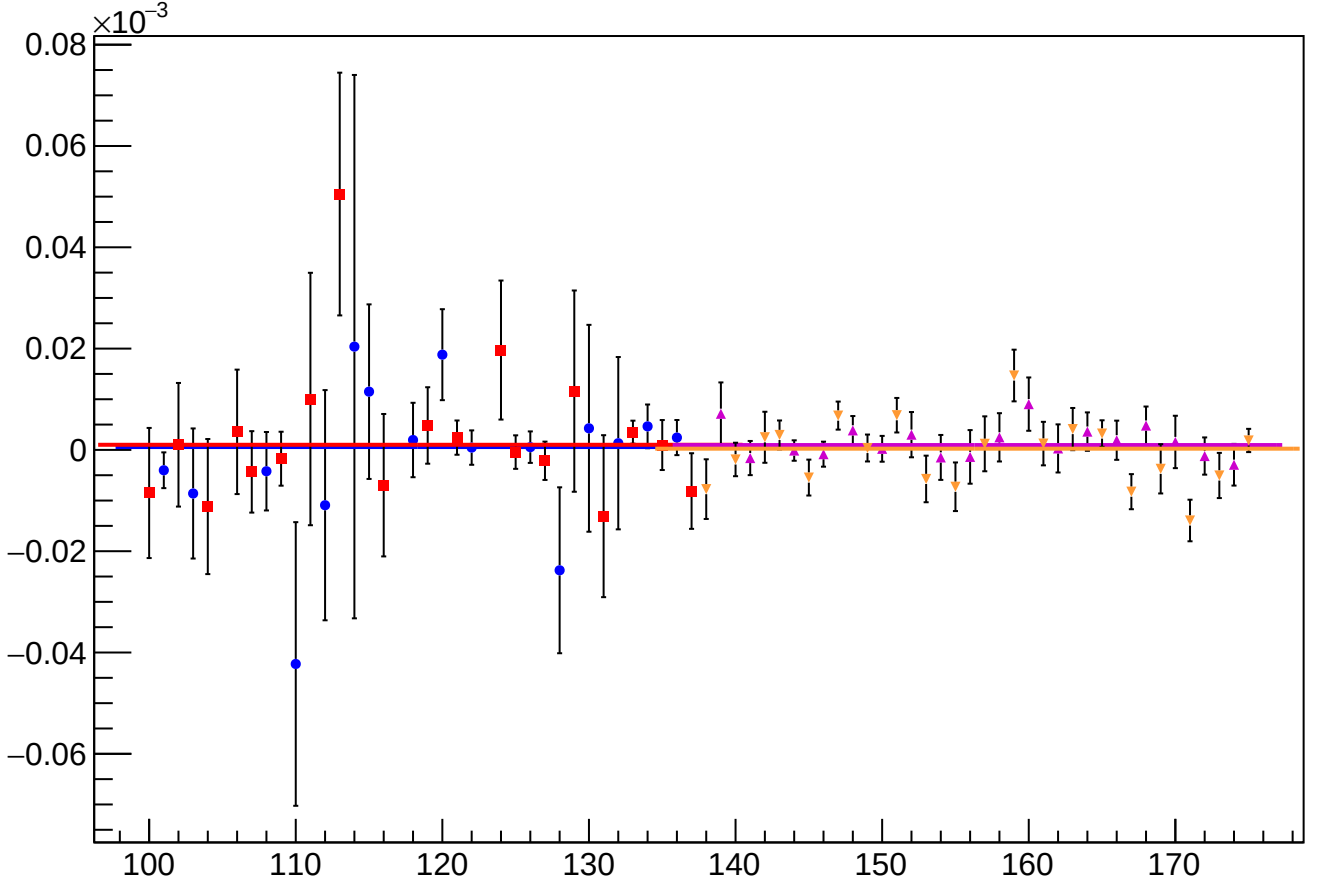
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.392+/-0.010 χ^2/NDF:997613.1/17

+ sign 54.000+/-0.008 χ^2/NDF: 3933652.5/35

All: 54.152+/-0.006 χ^2/NDF: 7515202.6/72

- sign 54.310+/-0.009 χ^2/NDF: 3580895.5/36



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:50.2/19

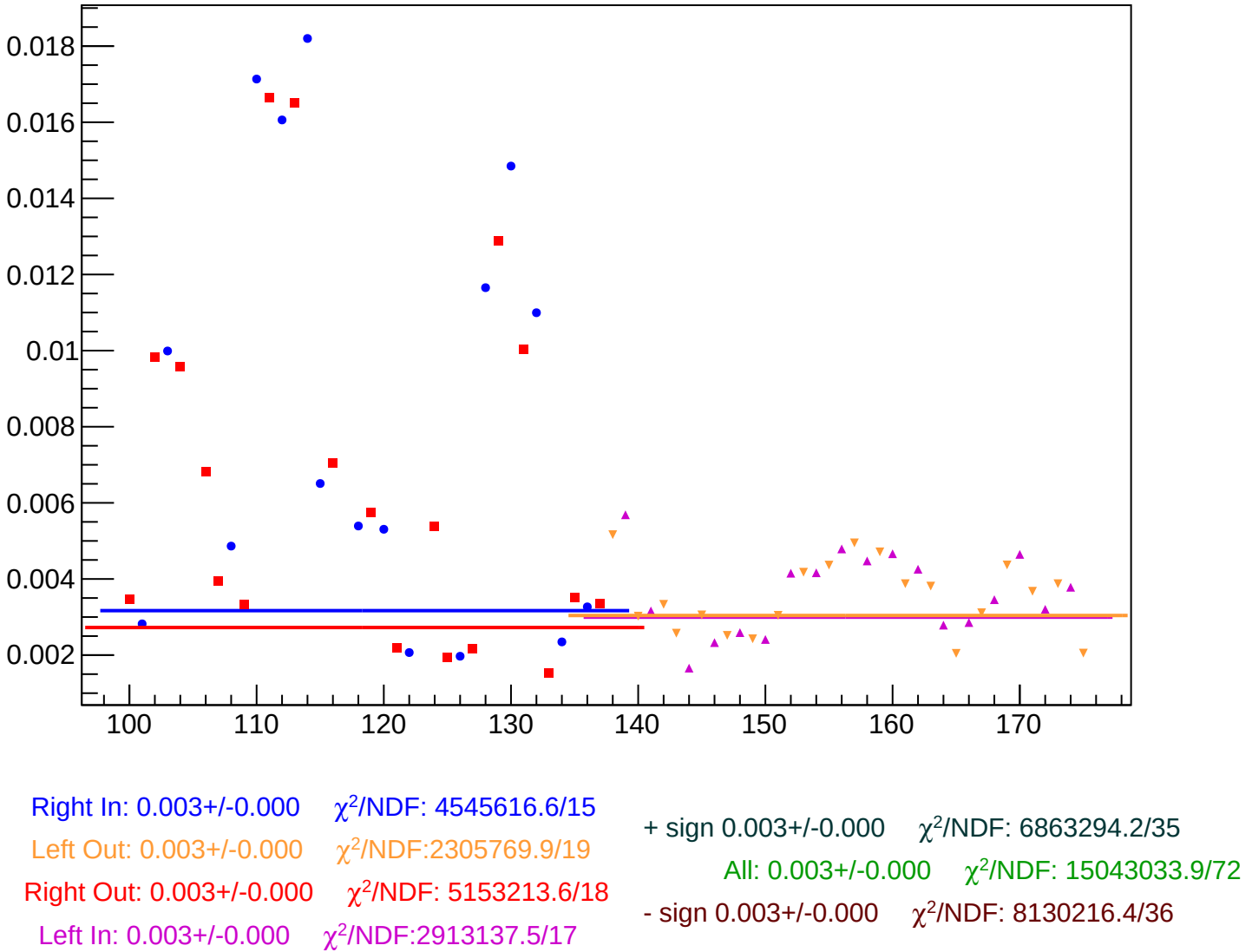
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

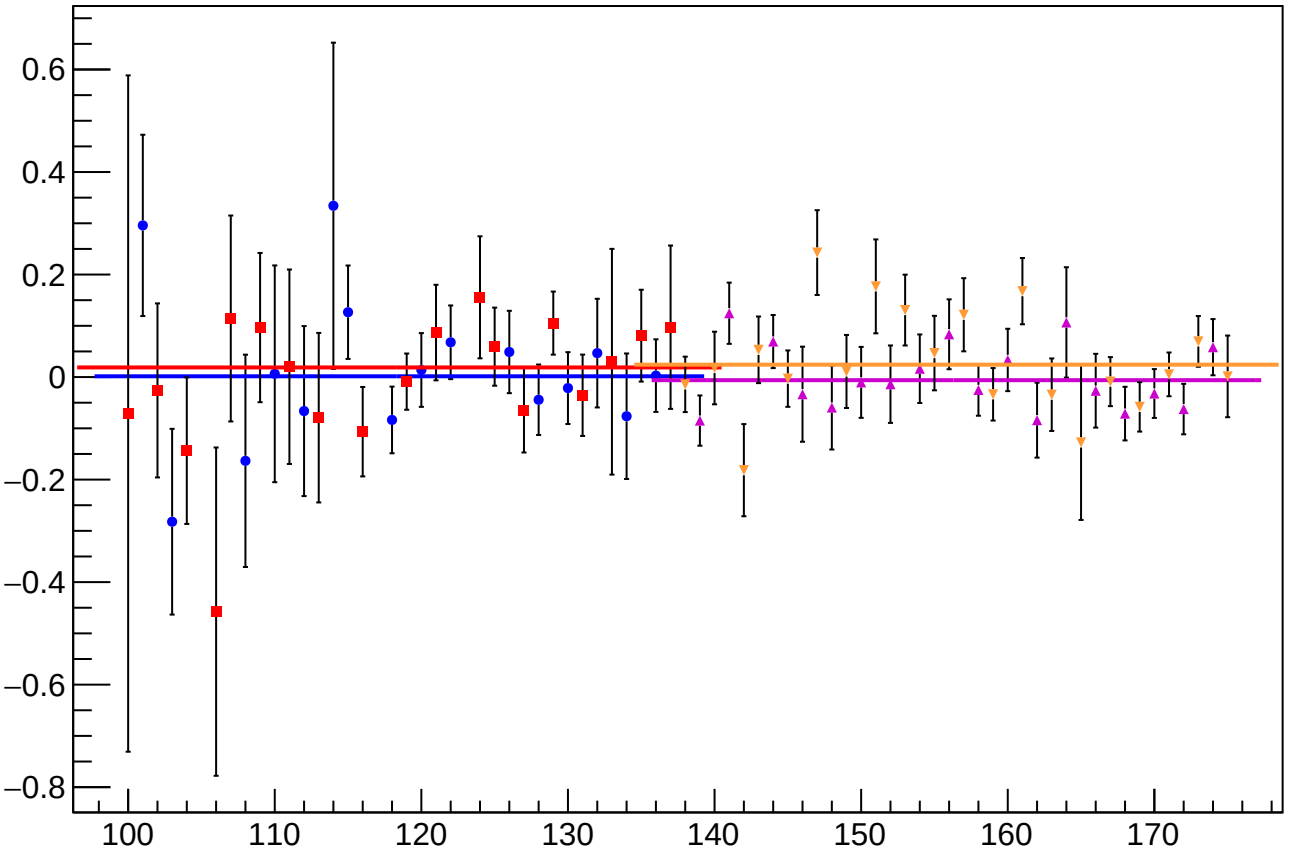
Left In: 0.000+/-0.000 χ^2/NDF:9.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 63.5/35

All: 0.000+/-0.000 χ^2/NDF: 87.3/72

- sign 0.000+/-0.000 χ^2/NDF: 23.4/36


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 4545616.6/15
Left Out: 0.003+/-0.000 χ²/NDF:2305769.9/19
Right Out: 0.003+/-0.000 χ²/NDF: 5153213.6/18
Left In: 0.003+/-0.000 χ²/NDF:2913137.5/17
+ sign 0.003+/-0.000 χ²/NDF: 6863294.2/35
All: 0.003+/-0.000 χ²/NDF: 15043033.9/72
- sign 0.003+/-0.000 χ²/NDF: 8130216.4/36



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.014 χ^2/NDF:32.7/19

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

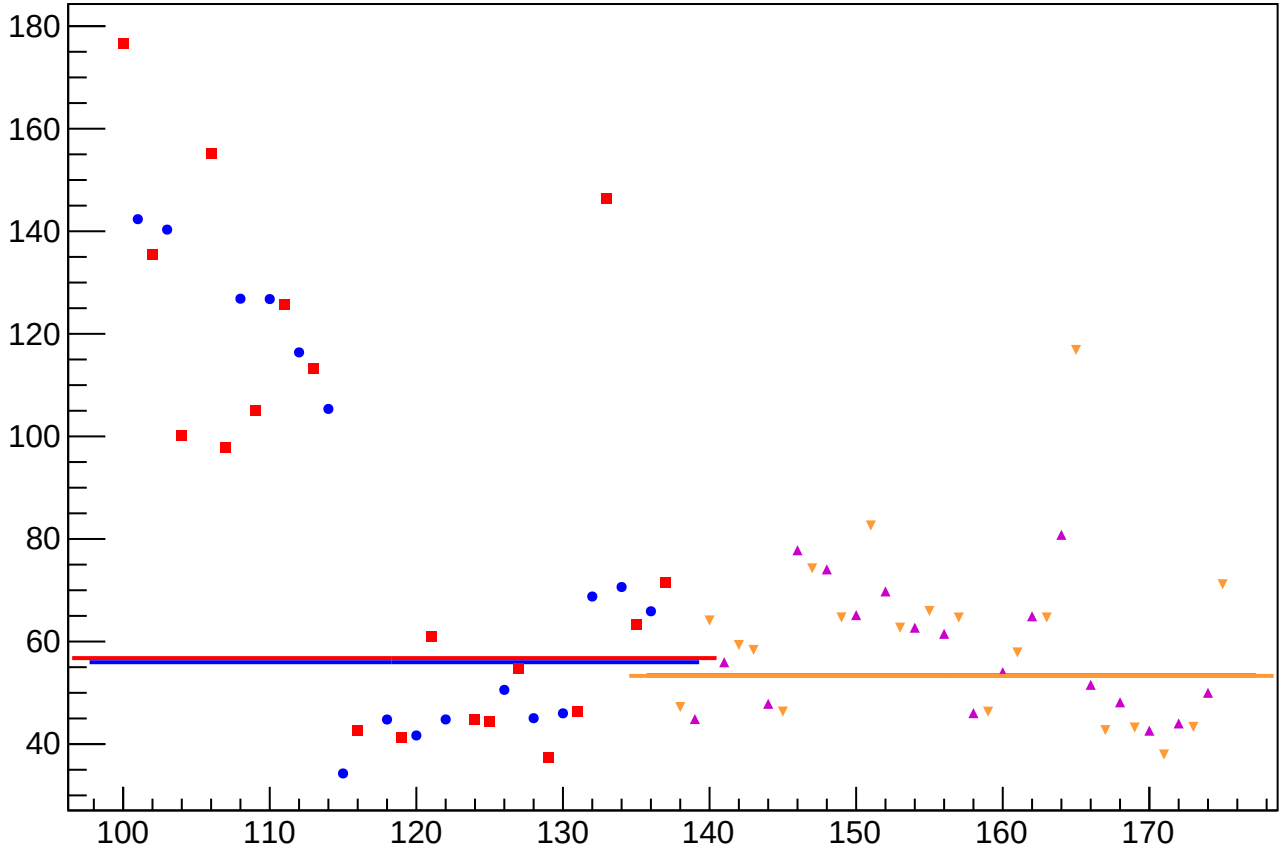
Left In: -0.006+/-0.014 χ^2/NDF:19.3/17

+ sign 0.018+/-0.012 χ^2/NDF: 46.5/35

All: 0.010+/-0.009 χ^2/NDF: 80.7/72

- sign 0.001+/-0.012 χ^2/NDF: 33.2/36

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.302+/-0.010 χ^2/NDF:1734667.6/19

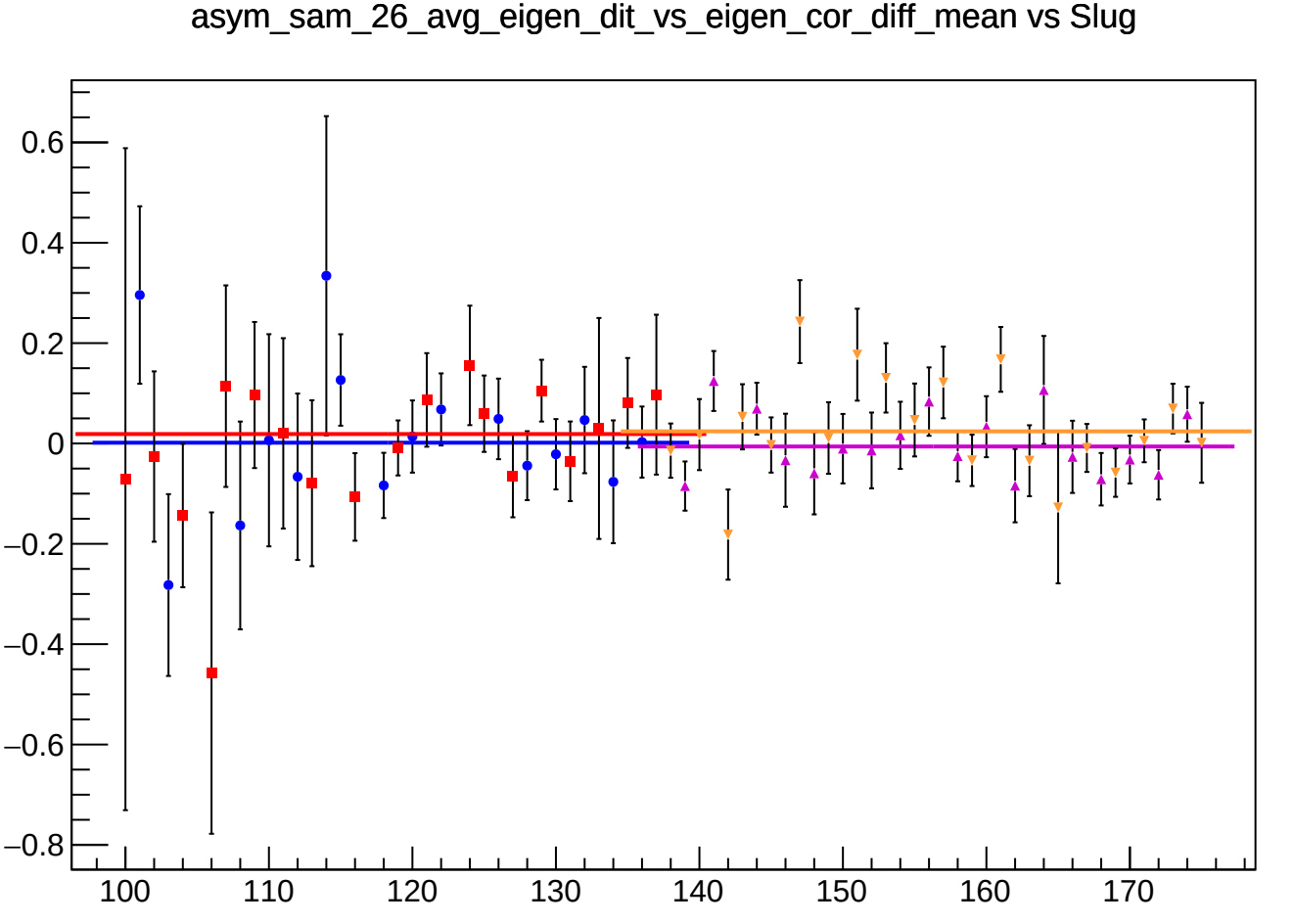
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.392+/-0.010 χ^2/NDF:997590.8/17

\+ sign 54.000+/-0.008 χ^2/NDF: 3933556.1/35

All: 54.152+/-0.006 χ^2/NDF: 7515008.1/72

\- sign 54.311+/-0.009 χ^2/NDF: 3580796.9/36



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.014 χ^2/NDF:32.7/19

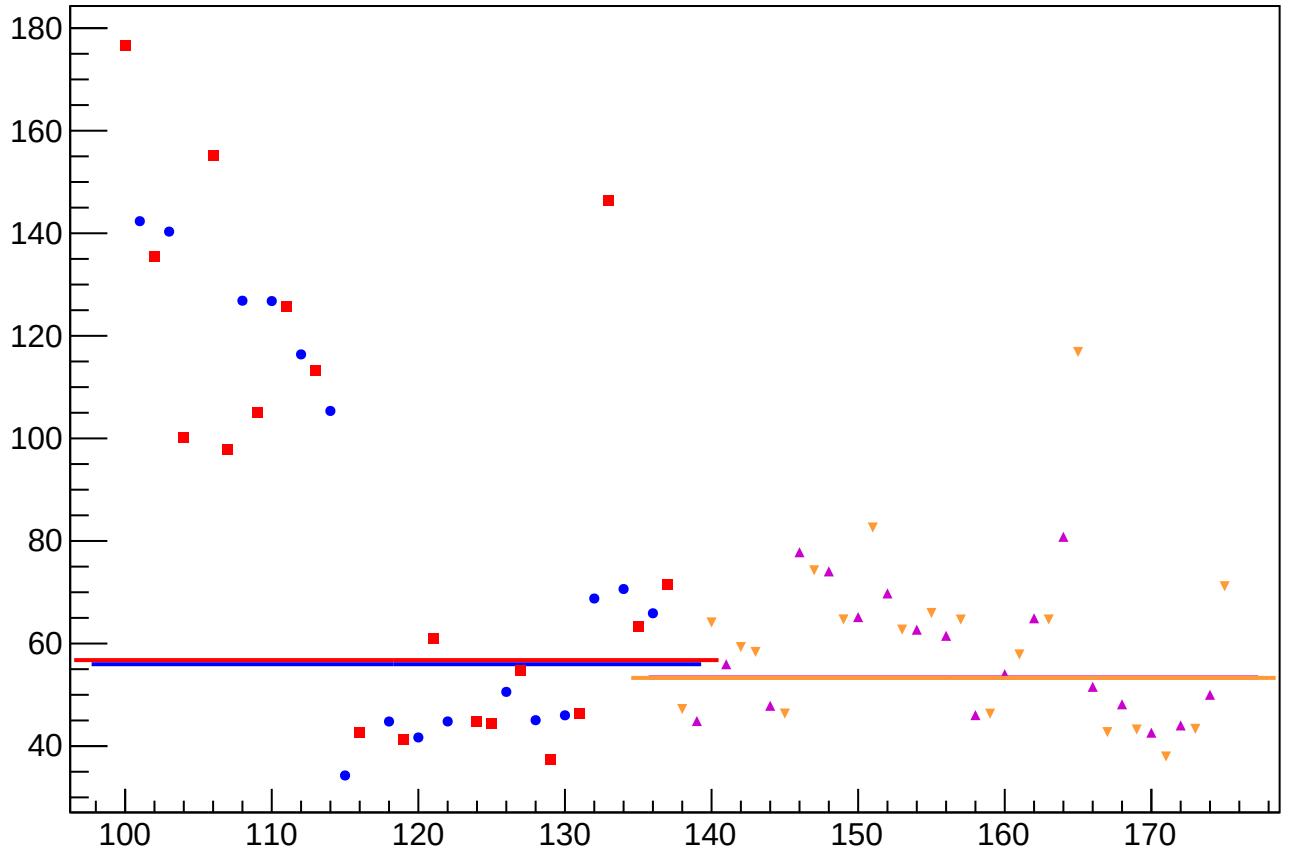
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.006+/-0.014 χ^2/NDF:19.3/17

+ sign 0.018+/-0.012 χ^2/NDF: 46.5/35

All: 0.010+/-0.009 χ^2/NDF: 80.7/72

- sign 0.001+/-0.012 χ^2/NDF: 33.2/36



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.302+/-0.010 χ^2/NDF:1734667.6/19

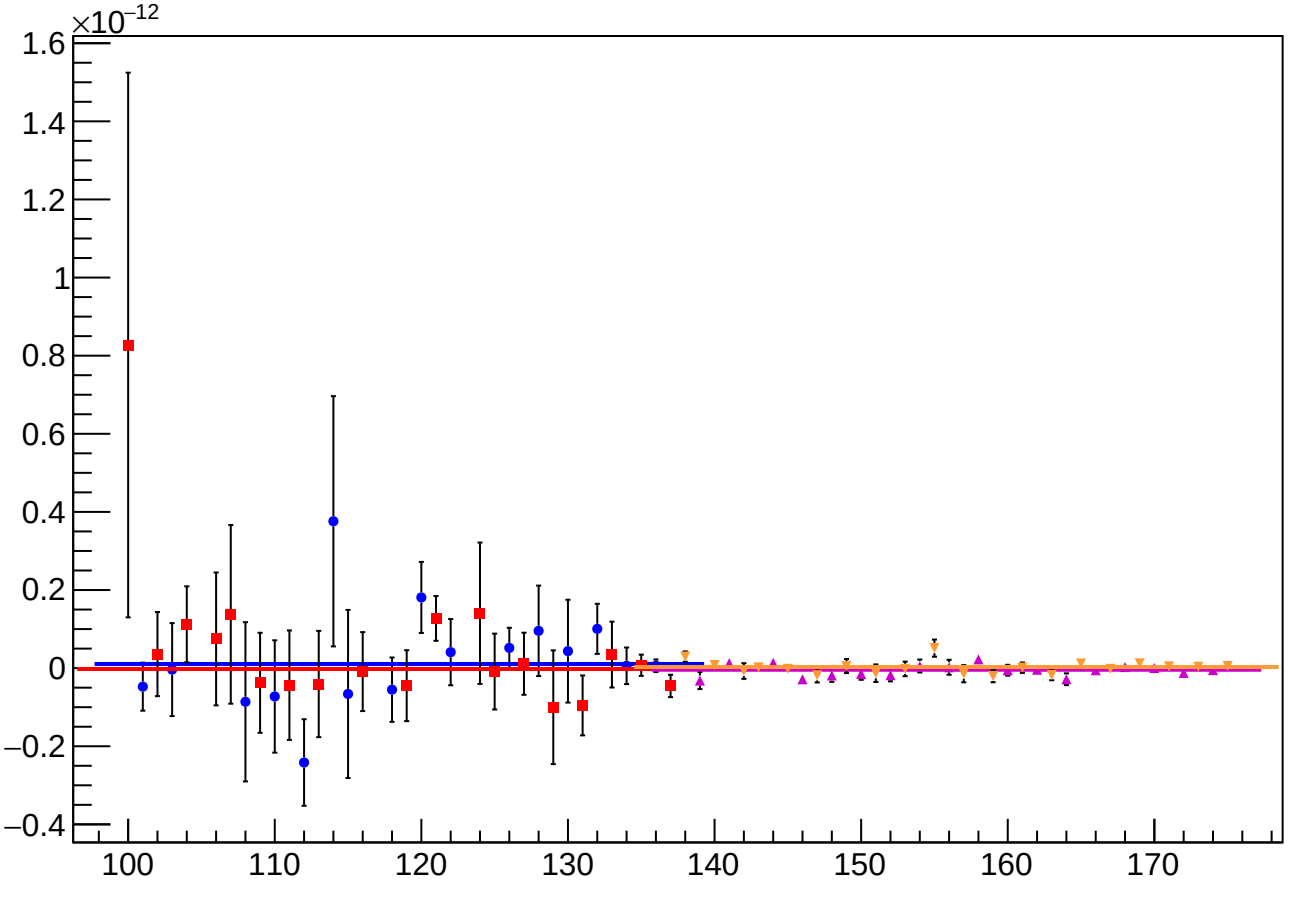
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.392+/-0.010 χ^2/NDF:997590.8/17

+ sign 54.000+/-0.008 χ^2/NDF: 3933556.1/35

All: 54.152+/-0.006 χ^2/NDF: 7515008.1/72

- sign 54.311+/-0.009 χ^2/NDF: 3580796.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/19

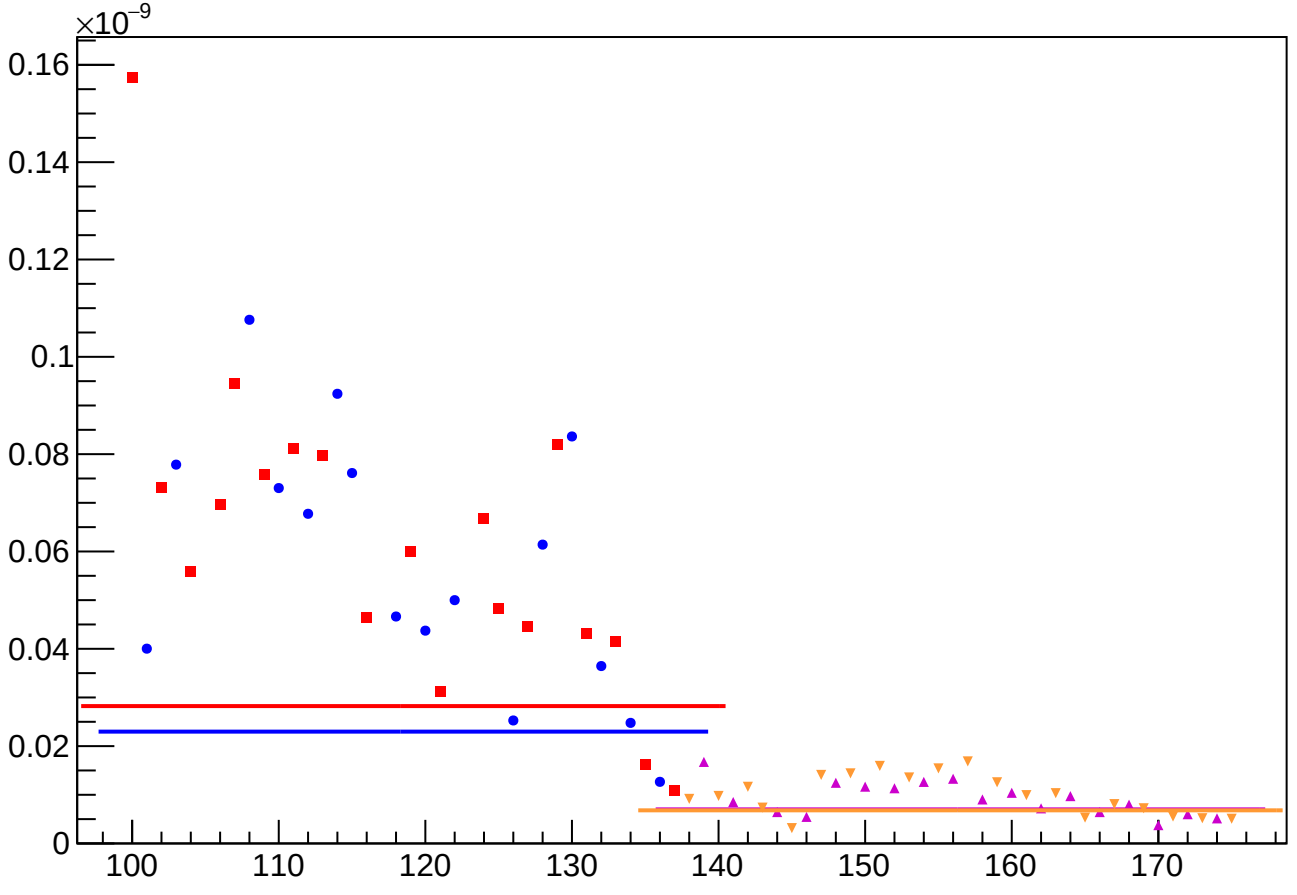
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:29.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 35.7/35

All: -0.000+/-0.000 χ^2/NDF: 84.1/72

- sign -0.000+/-0.000 χ^2/NDF: 43.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4226156.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

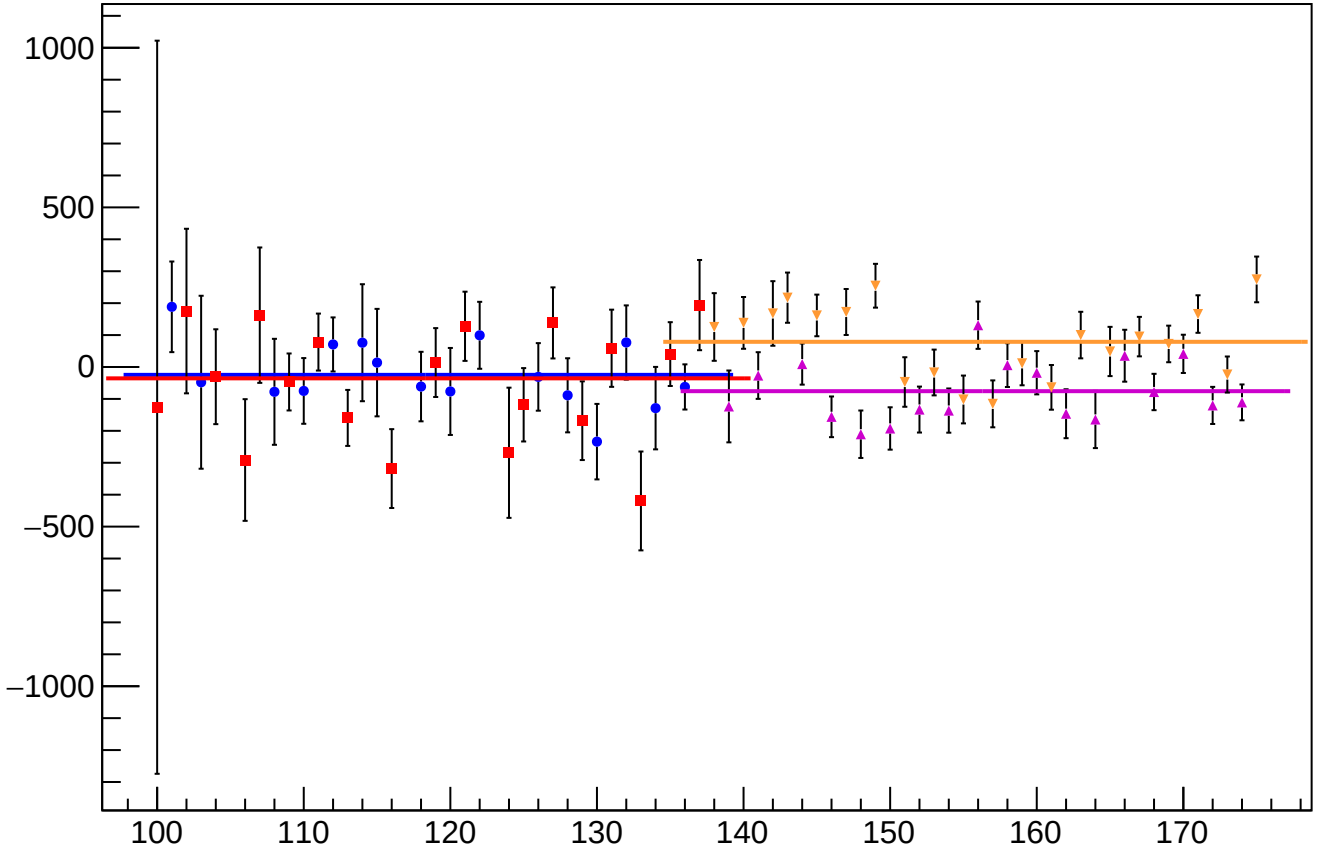
Left In: 0.000+/-0.000 χ^2/NDF:2572749.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 10974754.6/35

All: 0.000+/-0.000 χ^2/NDF: 21032948.6/72

- sign 0.000+/-0.000 χ^2/NDF: 10050616.3/36

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 78.893+/-15.810 χ^2/NDF:50.0/19

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

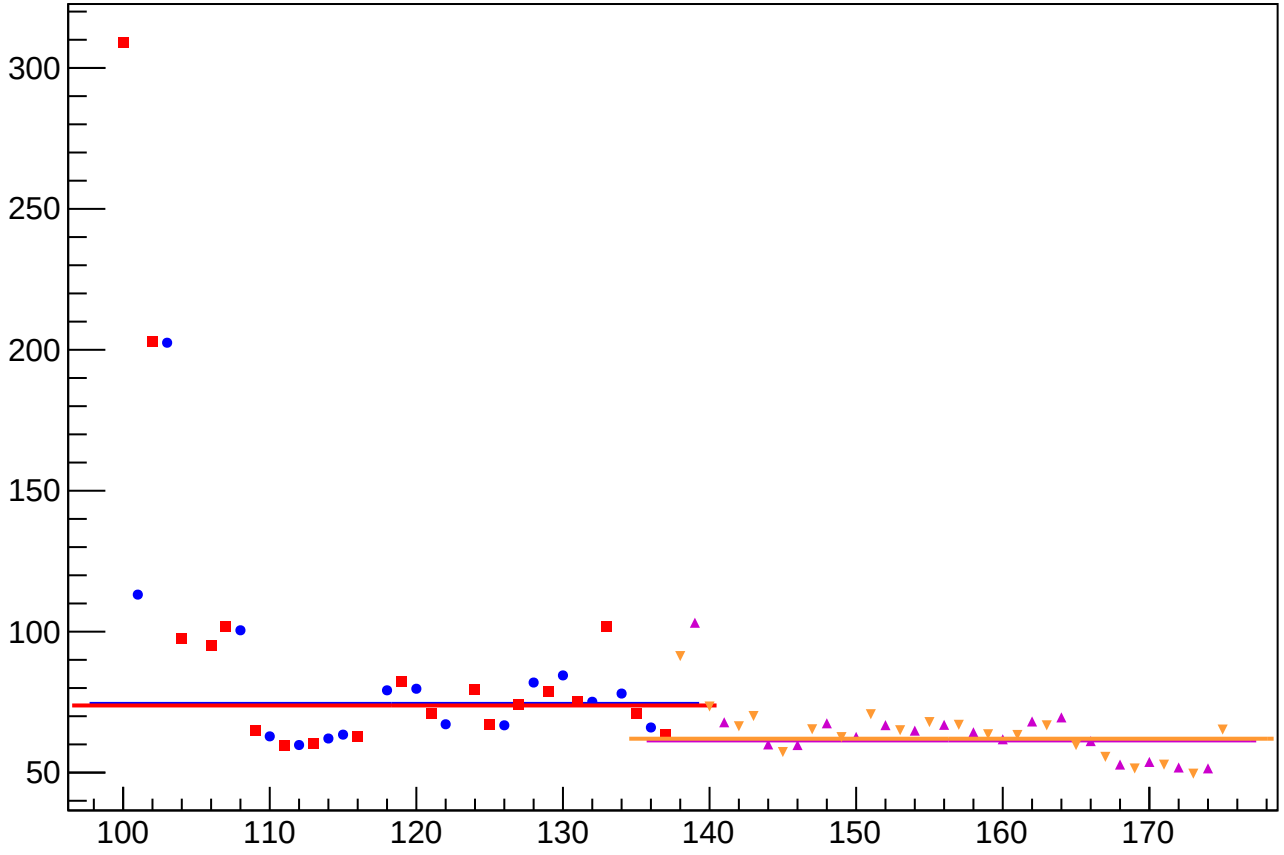
Left In: -75.735+/-16.177 χ^2/NDF:30.2/17

+ sign 55.063+/-13.872 χ^2/NDF: 70.9/35

All: -4.602+/-9.876 χ^2/NDF: 170.2/72

- sign -65.927+/-14.063 χ^2/NDF: 61.8/36

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 62.020+/-0.011 χ^2/NDF:533574.9/19

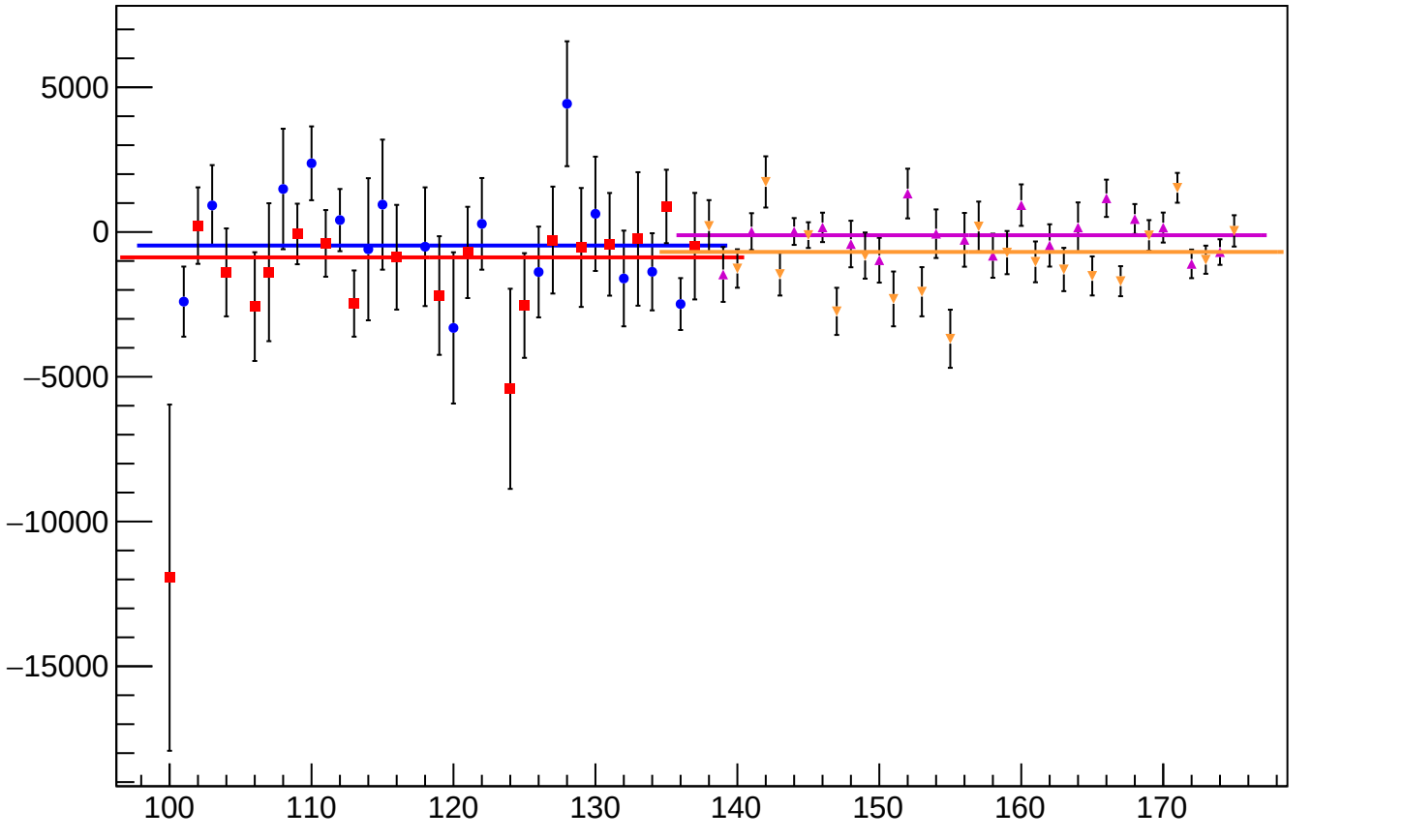
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 61.417+/-0.011 χ^2/NDF:565012.2/17

+ sign 64.862+/-0.010 χ^2/NDF: 1642040.7/35

All: 64.657+/-0.007 χ^2/NDF: 3426859.1/72

- sign 64.445+/-0.010 χ^2/NDF: 1783926.0/36



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -687.540+/-147.230 χ^2/NDF:61.9/19

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

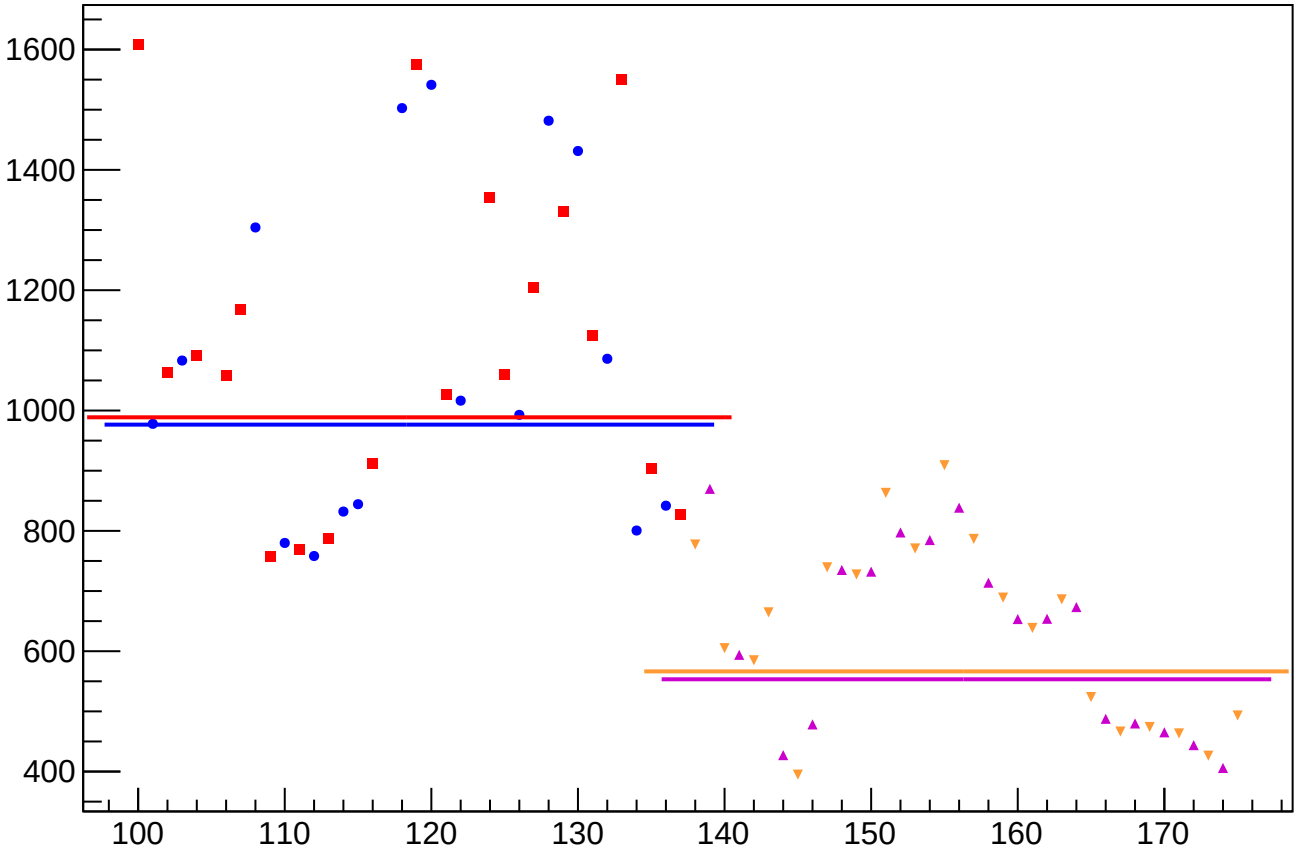
Left In: -110.366+/-148.636 χ^2/NDF:21.1/17

+ sign -658.026+/-137.048 χ^2/NDF: 85.9/35

All: -438.387+/-97.256 χ^2/NDF: 128.8/72

- sign -215.564+/-138.038 χ^2/NDF: 37.8/36

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 566.451+/-0.104 χ^2/NDF:1853095.3/19

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

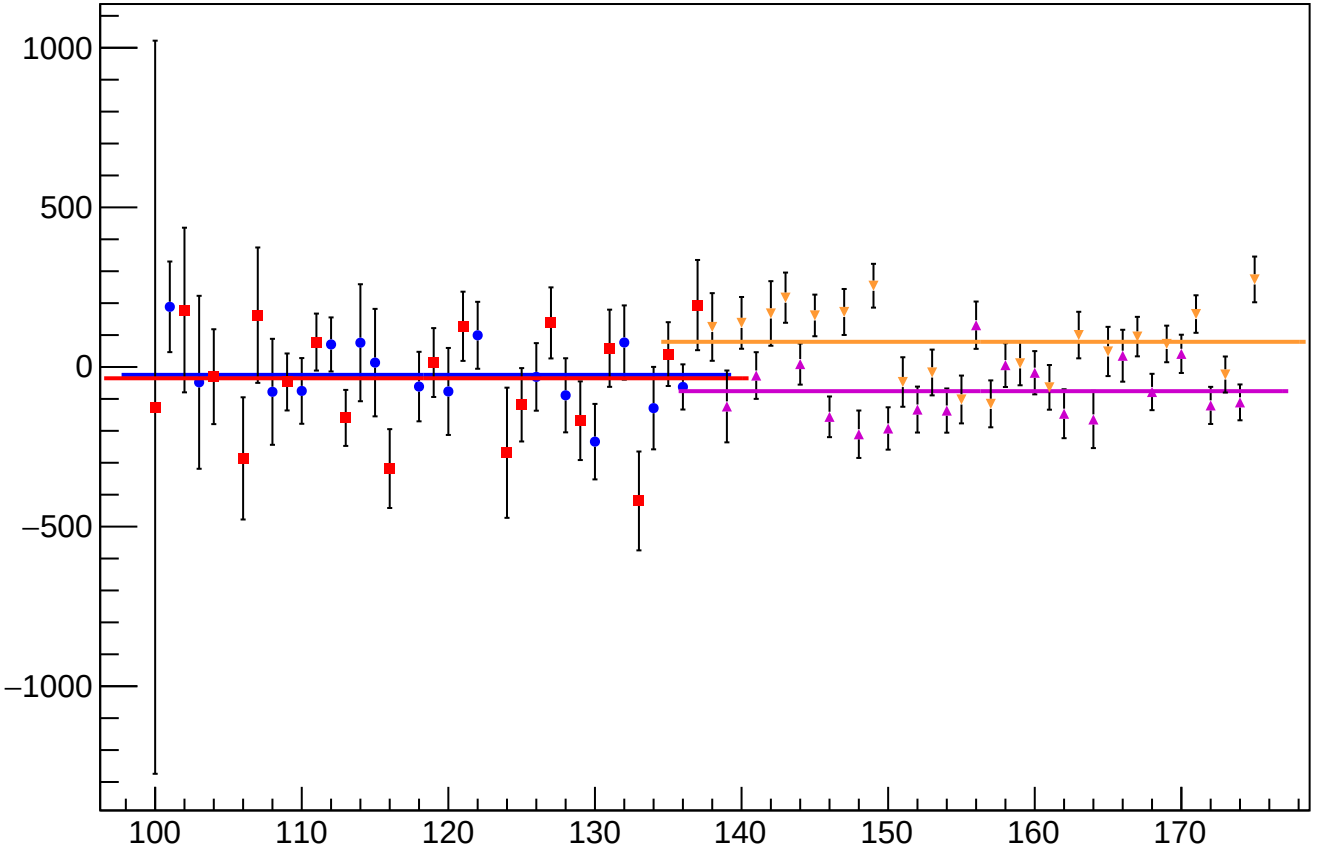
Left In: 553.336+/-0.105 χ^2/NDF:1778253.3/17

+ sign 621.220+/-0.097 χ^2/NDF: 4662194.5/35

All: 617.246+/-0.069 χ^2/NDF: 9519847.1/72

- sign 613.214+/-0.098 χ^2/NDF: 4854265.0/36

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 78.895+/-15.810 χ^2/NDF:50.1/19

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

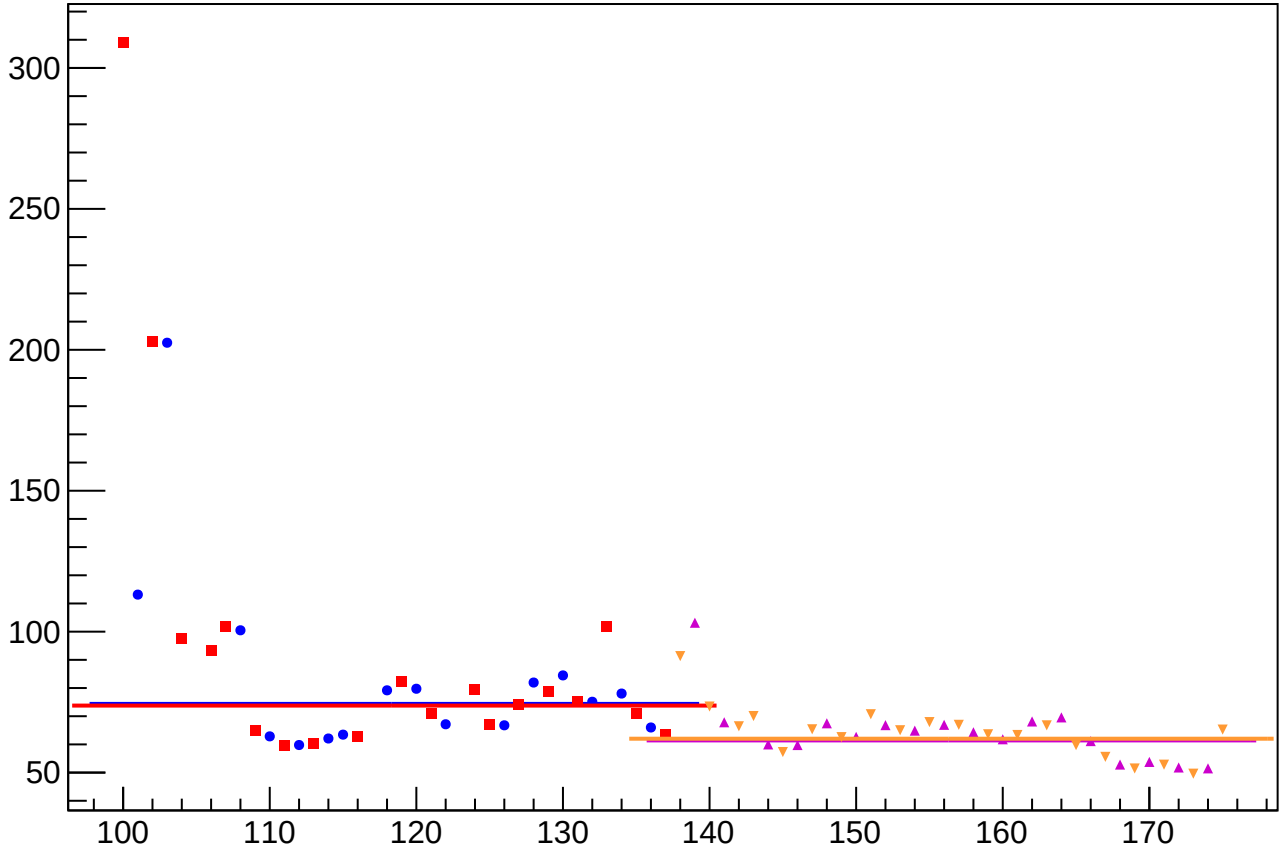
Left In: -75.733+/-16.177 χ^2/NDF:30.2/17

+ sign 55.063+/-13.872 χ^2/NDF: 70.9/35

All: -4.576+/-9.876 χ^2/NDF: 170.1/72

- sign -65.878+/-14.064 χ^2/NDF: 61.7/36

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.020+/-0.011 χ^2/NDF:533574.9/19

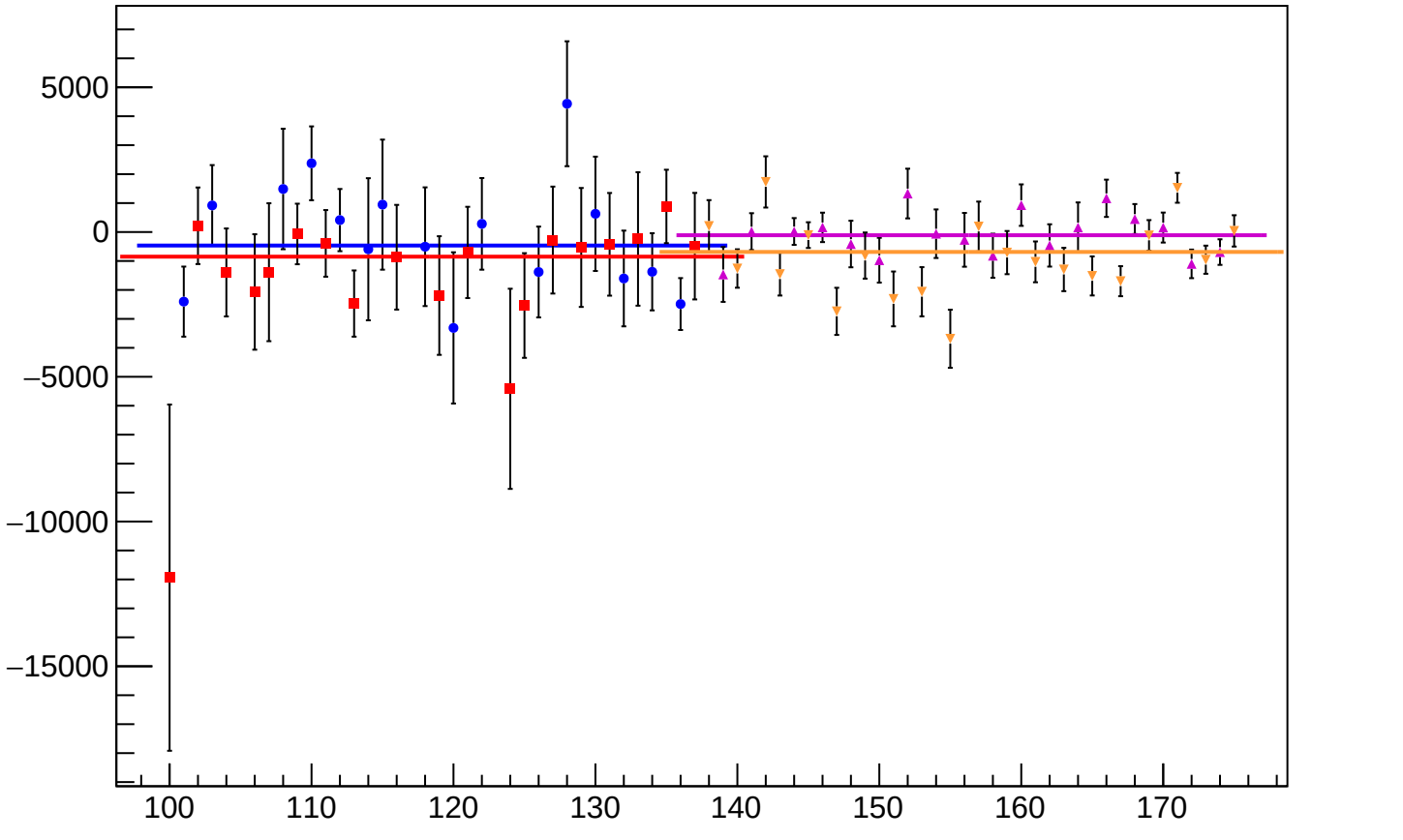
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.417+/-0.011 χ^2/NDF:565012.2/17

+ sign 64.862+/-0.010 χ^2/NDF: 1642042.5/35

All: 64.651+/-0.007 χ^2/NDF: 3421143.9/72

- sign 64.434+/-0.010 χ^2/NDF: 1778162.8/36



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -687.538+/-147.230 χ^2/NDF:61.9/19

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

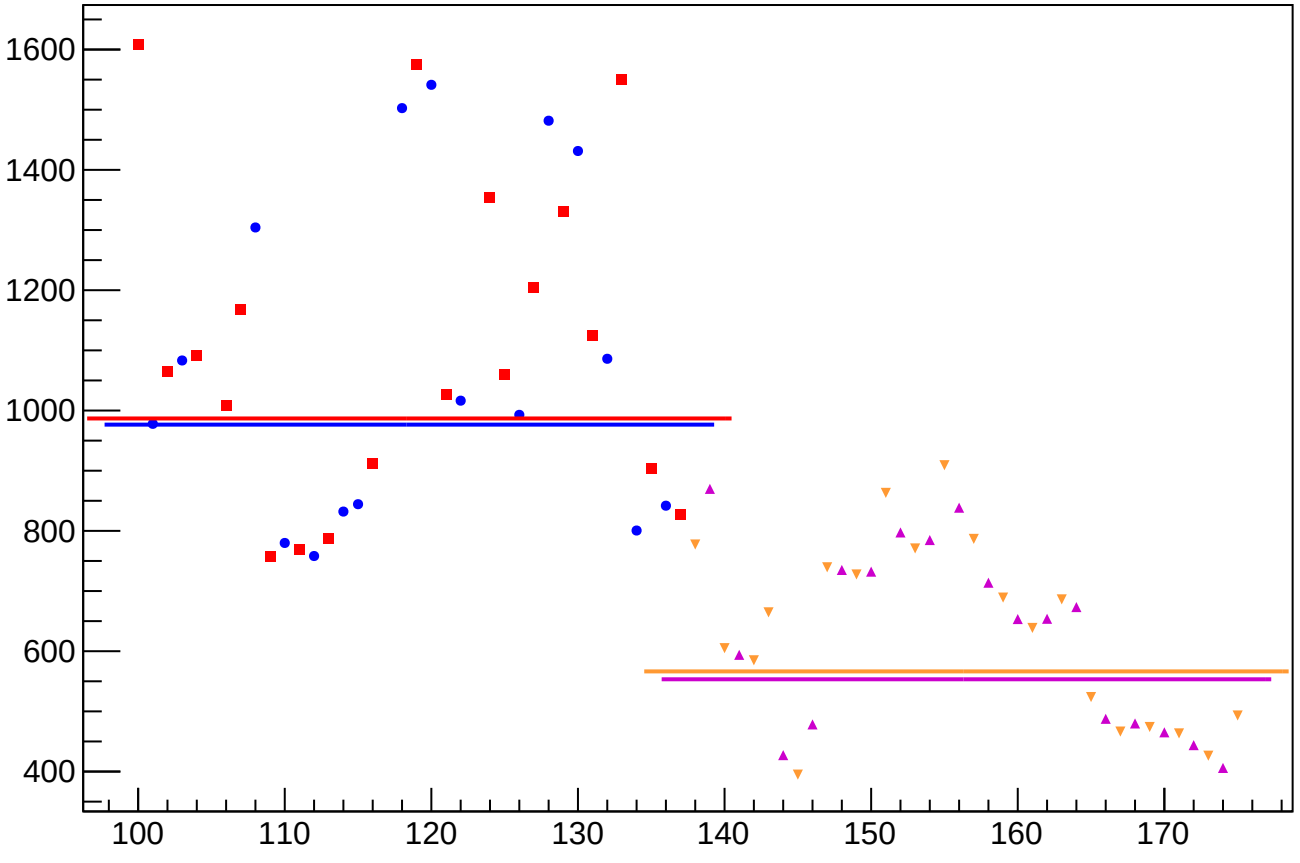
Left In: -110.364+/-148.636 χ^2/NDF:21.1/17

+ sign -658.022+/-137.048 χ^2/NDF: 85.9/35

All: -436.576+/-97.271 χ^2/NDF: 128.2/72

- sign -211.778+/-138.081 χ^2/NDF: 37.1/36

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 566.450+/-0.104 χ^2/NDF:1853096.9/19

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

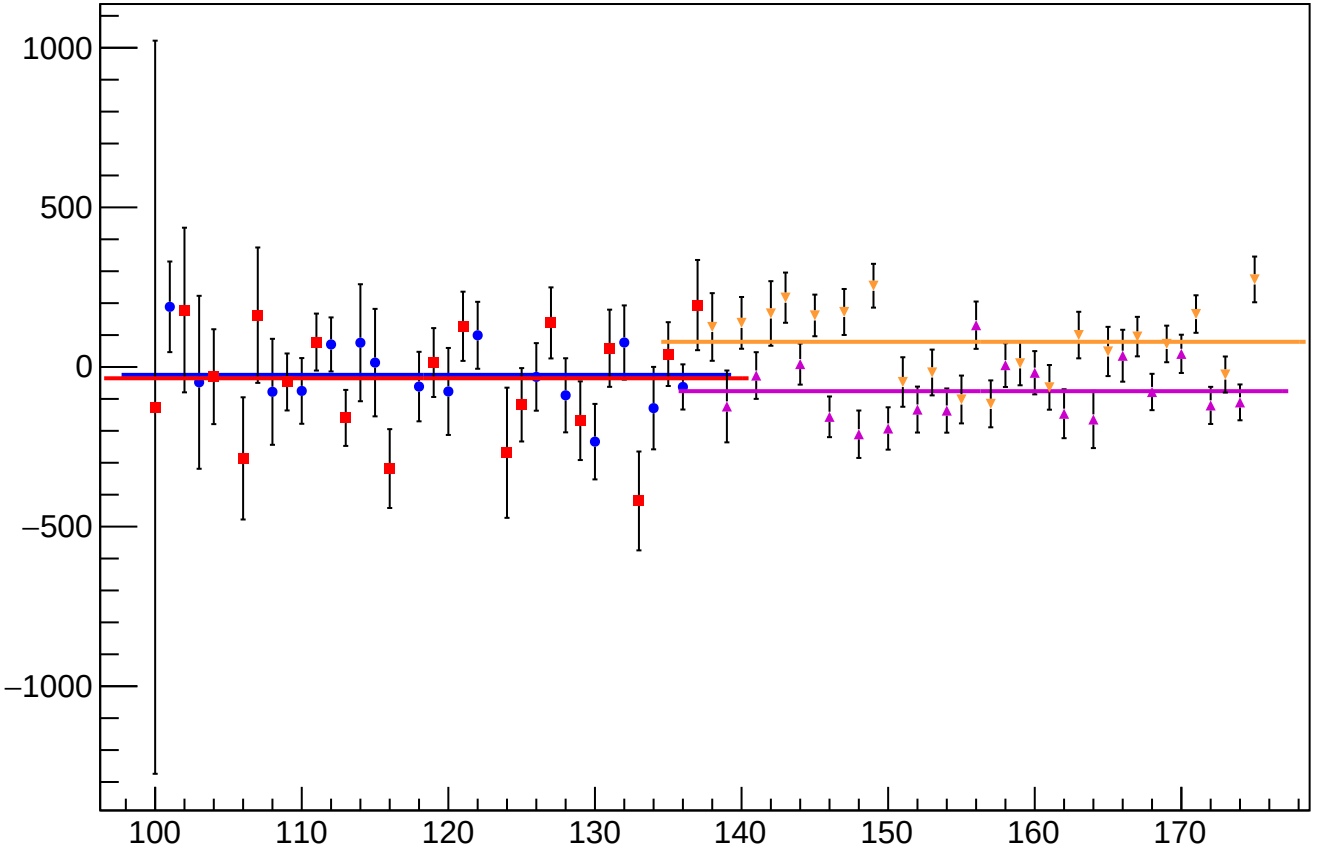
Left In: 553.336+/-0.105 χ^2/NDF:1778255.4/17

+ sign 621.220+/-0.097 χ^2/NDF: 4662257.0/35

All: 616.998+/-0.069 χ^2/NDF: 9487754.0/72

- sign 612.712+/-0.098 χ^2/NDF: 4821672.7/36

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 78.895+/-15.810 χ^2/NDF:50.1/19

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

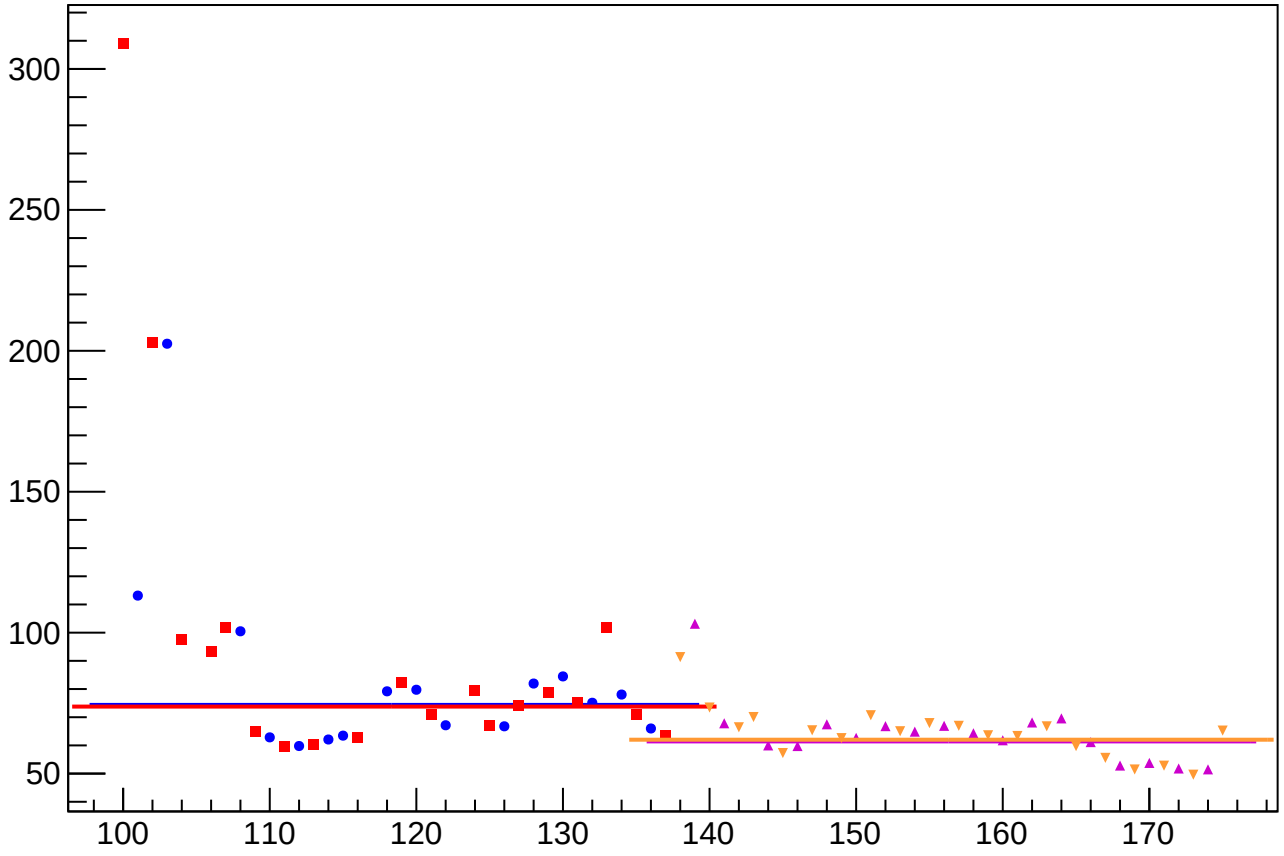
Left In: -75.733+/-16.177 χ^2/NDF:30.2/17

+ sign 55.063+/-13.872 χ^2/NDF: 70.9/35

All: -4.576+/-9.876 χ^2/NDF: 170.1/72

- sign -65.878+/-14.064 χ^2/NDF: 61.7/36

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.020+/-0.011 χ^2/NDF:533574.9/19

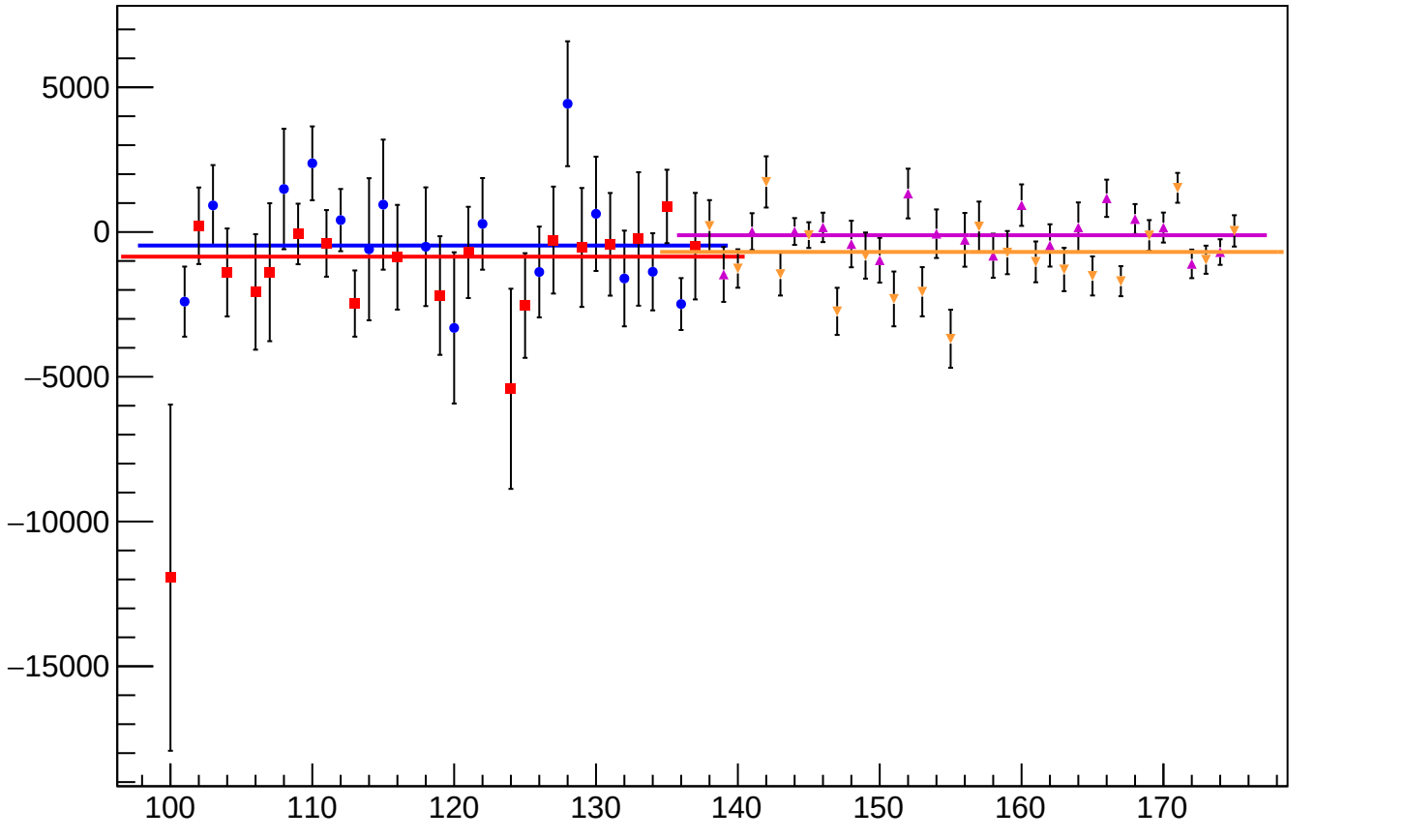
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.417+/-0.011 χ^2/NDF:565012.2/17

+ sign 64.862+/-0.010 χ^2/NDF: 1642042.5/35

All: 64.651+/-0.007 χ^2/NDF: 3421143.9/72

- sign 64.434+/-0.010 χ^2/NDF: 1778162.8/36



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -687.538+/-147.230 χ^2/NDF:61.9/19

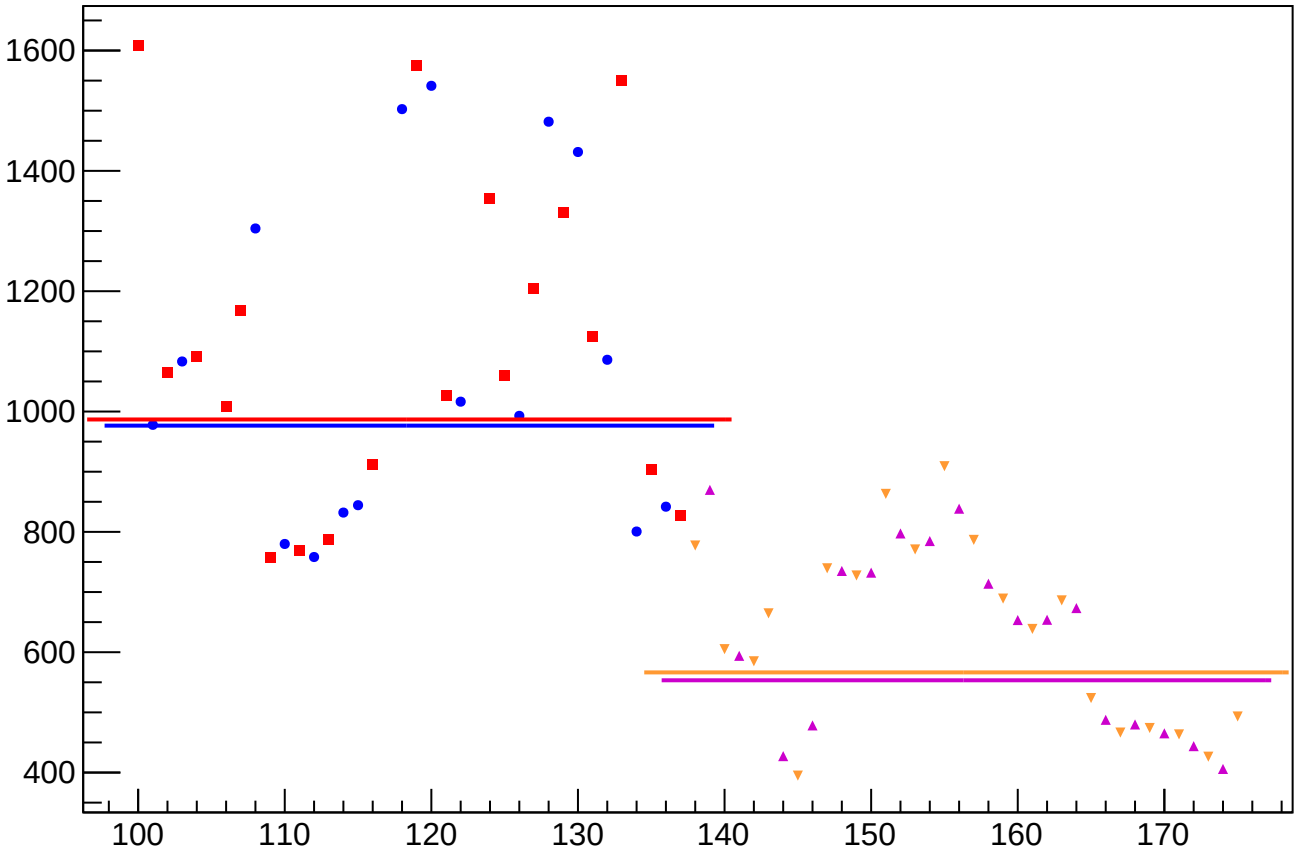
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -110.364+/-148.636 χ^2/NDF:21.1/17

+ sign -658.022+/-137.048 χ^2/NDF: 85.9/35

All: -436.576+/-97.271 χ^2/NDF: 128.2/72

- sign -211.778+/-138.081 χ^2/NDF: 37.1/36



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 566.450+/-0.104 χ^2/NDF:1853096.9/19

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

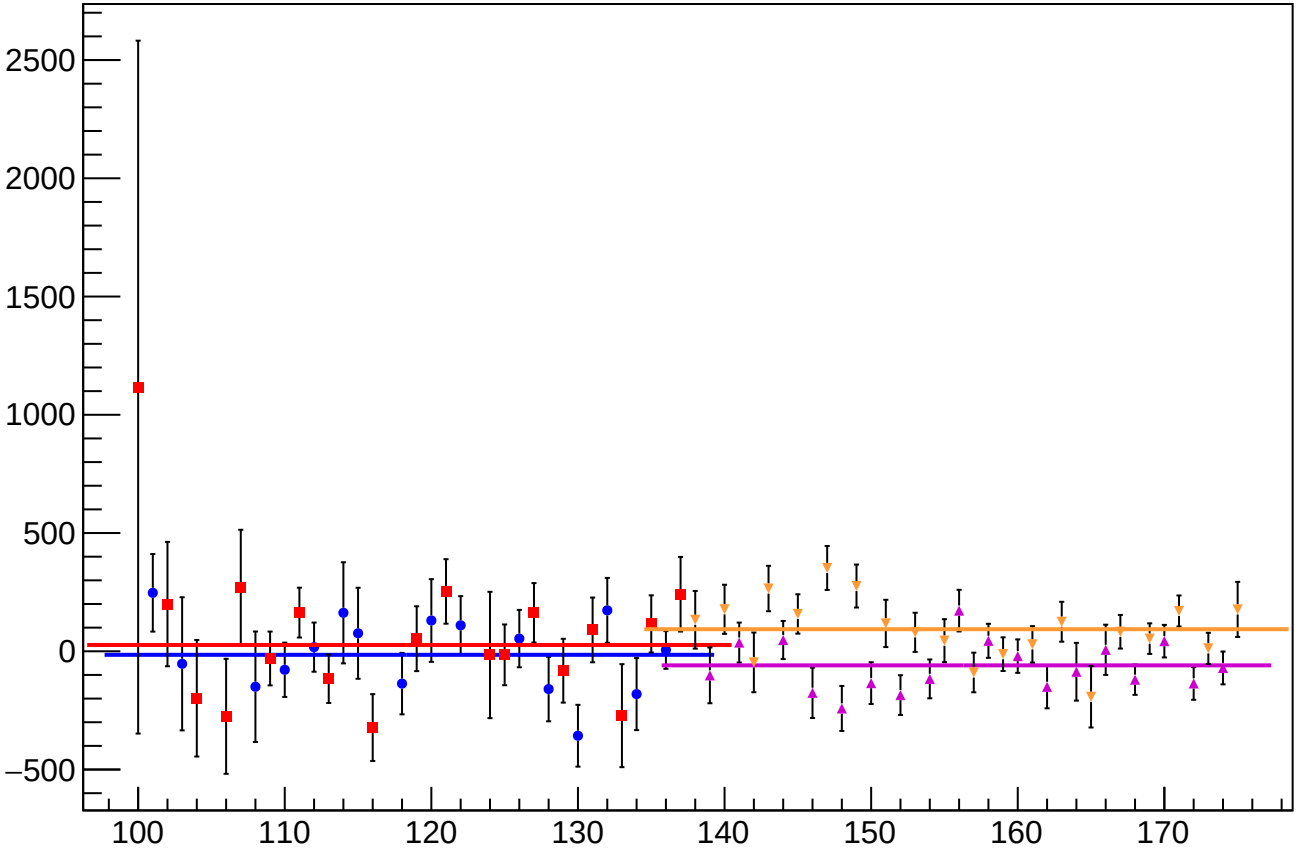
Left In: 553.336+/-0.105 χ^2/NDF:1778255.4/17

+ sign 621.220+/-0.097 χ^2/NDF: 4662257.0/35

All: 616.998+/-0.069 χ^2/NDF: 9487754.0/72

- sign 612.712+/-0.098 χ^2/NDF: 4821672.7/36

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 93.395+/-19.022 χ^2/NDF:34.5/19

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

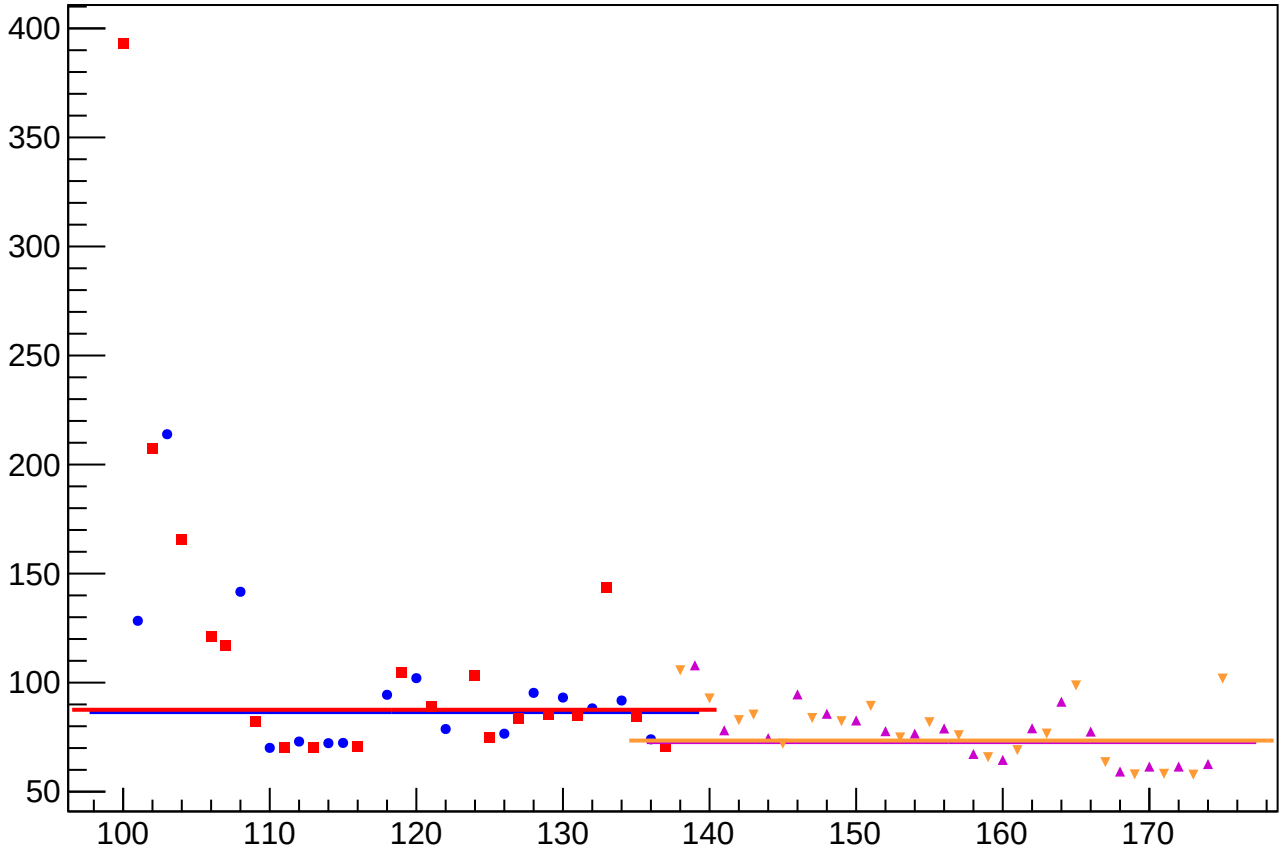
Left In: -59.488+/-19.415 χ^2/NDF:26.6/17

+ sign 67.287+/-16.573 χ^2/NDF: 60.5/35

All: 15.390+/-11.822 χ^2/NDF: 135.5/72

- sign -38.375+/-16.868 χ^2/NDF: 55.0/36

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 73.443+/-0.013 χ^2/NDF:967094.0/19

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

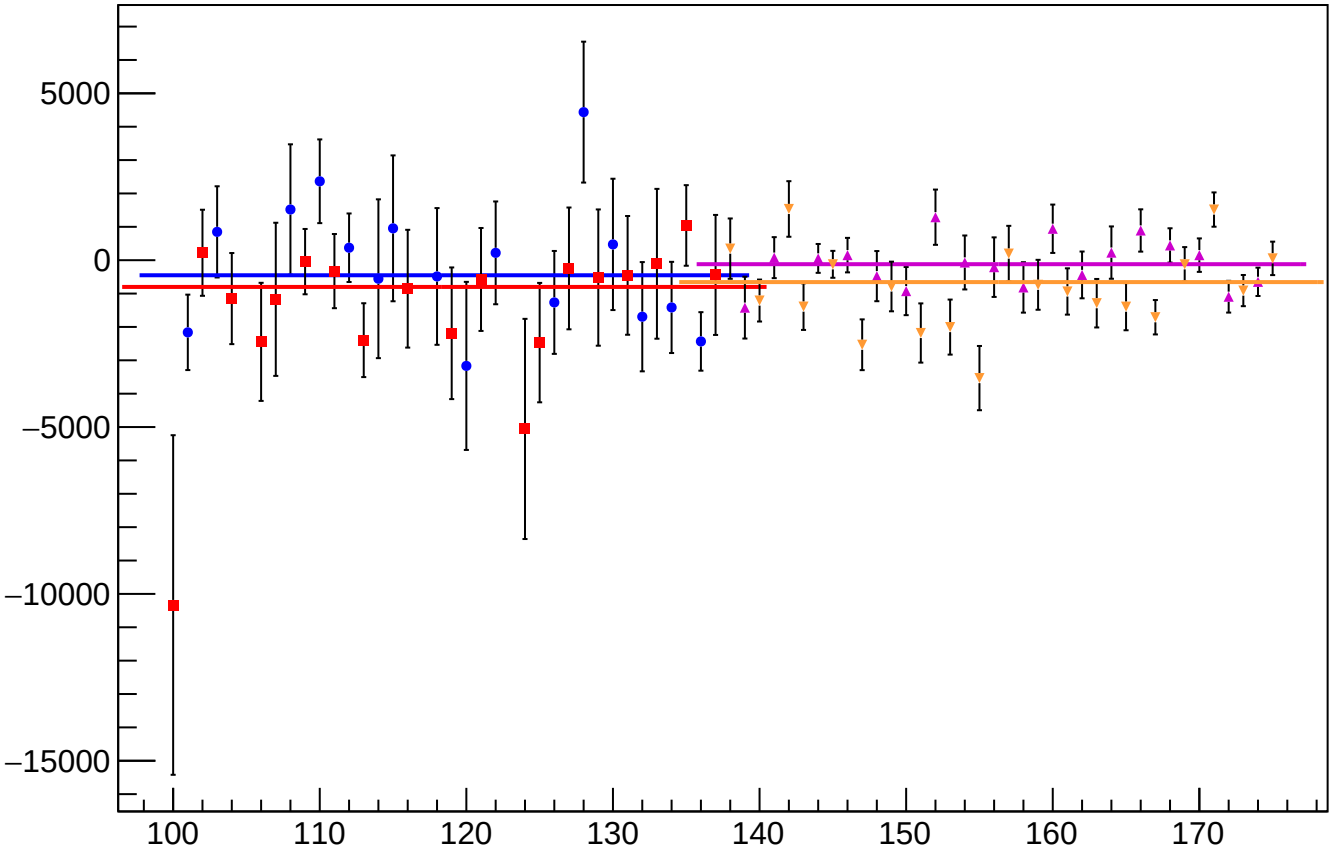
Left In: 72.730+/-0.014 χ^2/NDF:690970.9/17

+ sign 76.587+/-0.012 χ^2/NDF: 2050031.2/35

All: 76.477+/-0.008 χ^2/NDF: 4156788.2/72

- sign 76.363+/-0.012 χ^2/NDF: 2106578.3/36

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -655.998+/-141.669 χ^2/NDF:61.0/19

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

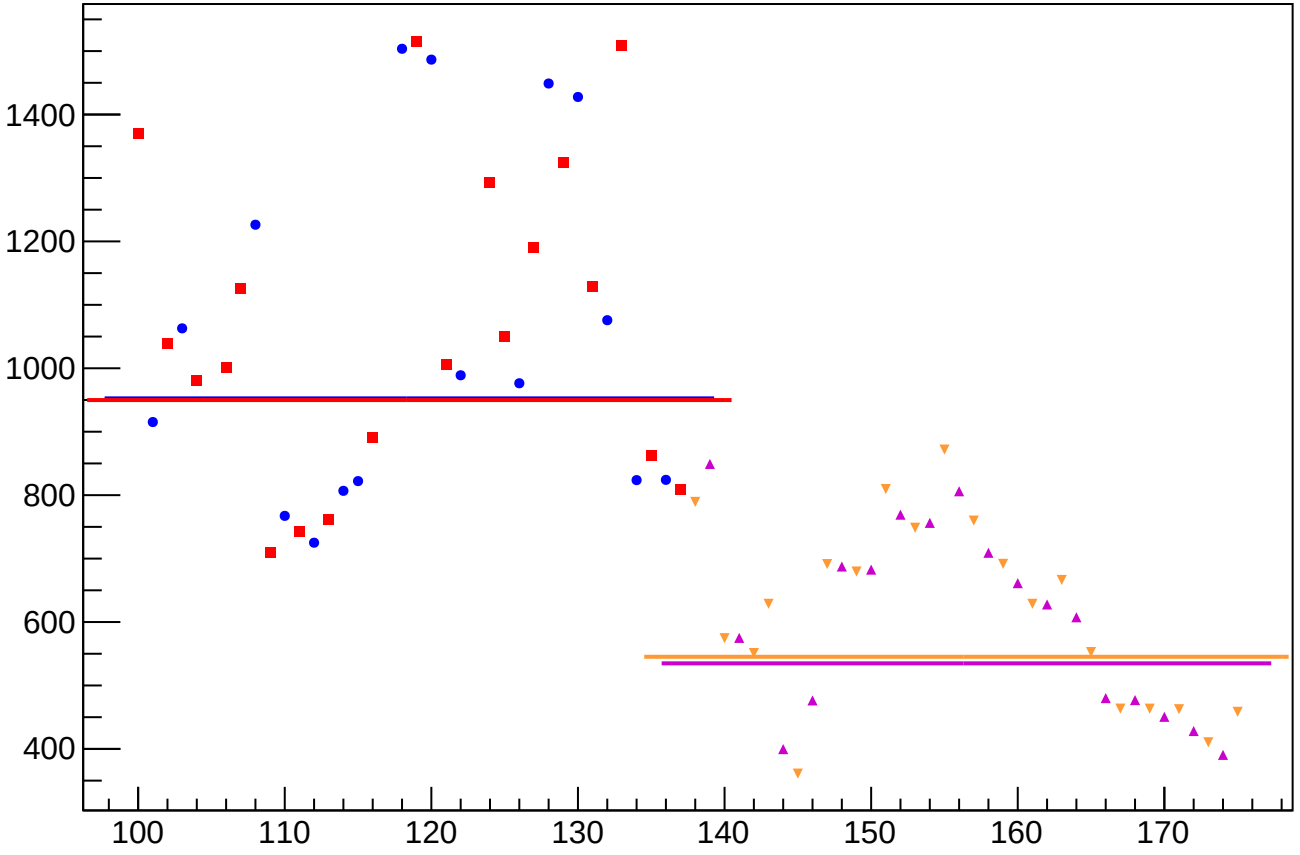
Left In: -119.747+/-143.781 χ^2/NDF:20.1/17

+ sign -629.285+/-132.098 χ^2/NDF: 85.0/35

All: -423.932+/-93.870 χ^2/NDF: 126.7/72

- sign -214.461+/-133.416 χ^2/NDF: 36.8/36

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 545.233+/-0.100 χ^2/NDF:1938096.7/19

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

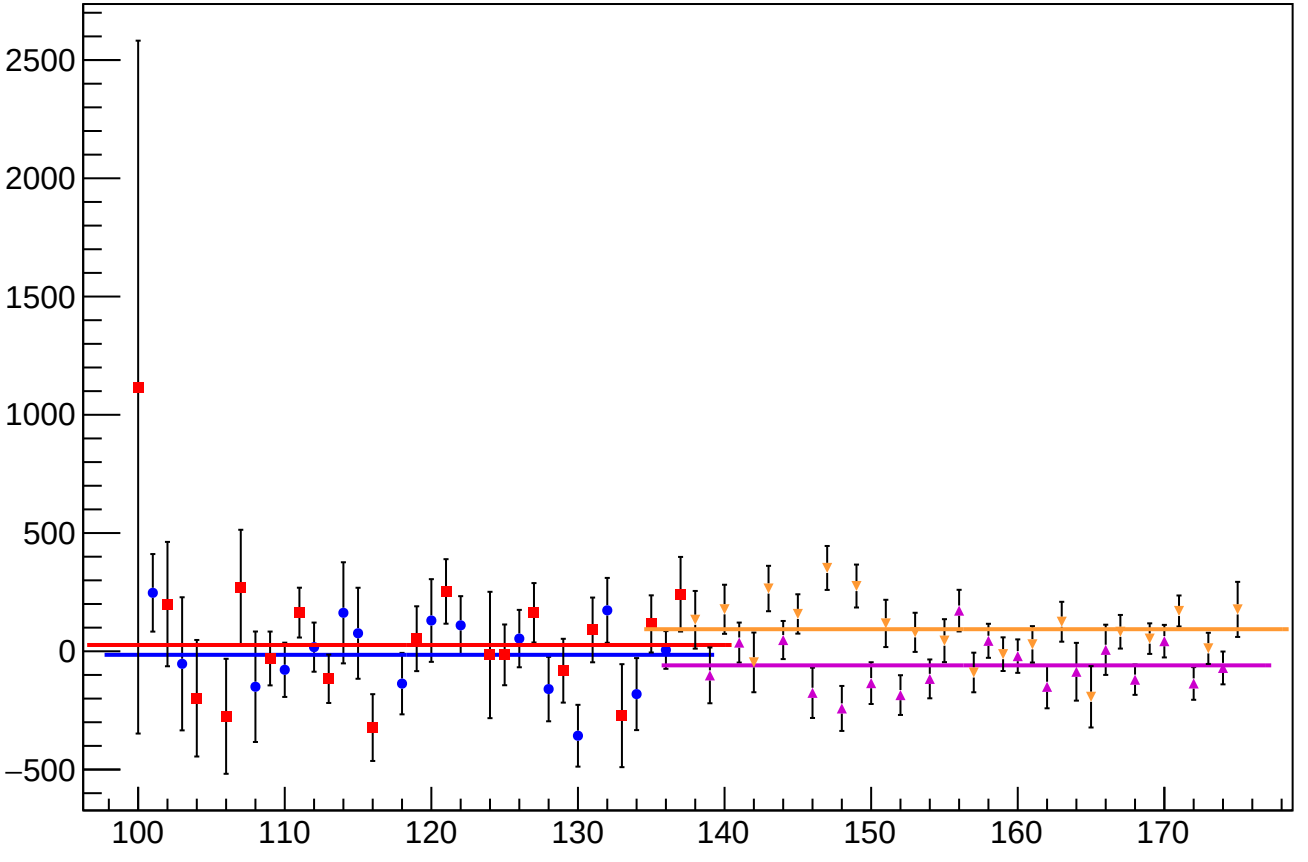
Left In: 534.882+/-0.102 χ^2/NDF:1768820.5/17

\+ sign 598.408+/-0.093 χ^2/NDF: 4842770.4/35

All: 595.514+/-0.066 χ^2/NDF: 9681073.5/72

\- sign 592.563+/-0.094 χ^2/NDF: 4836365.2/36

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 93.396+/-19.022 χ^2/NDF:34.5/19

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

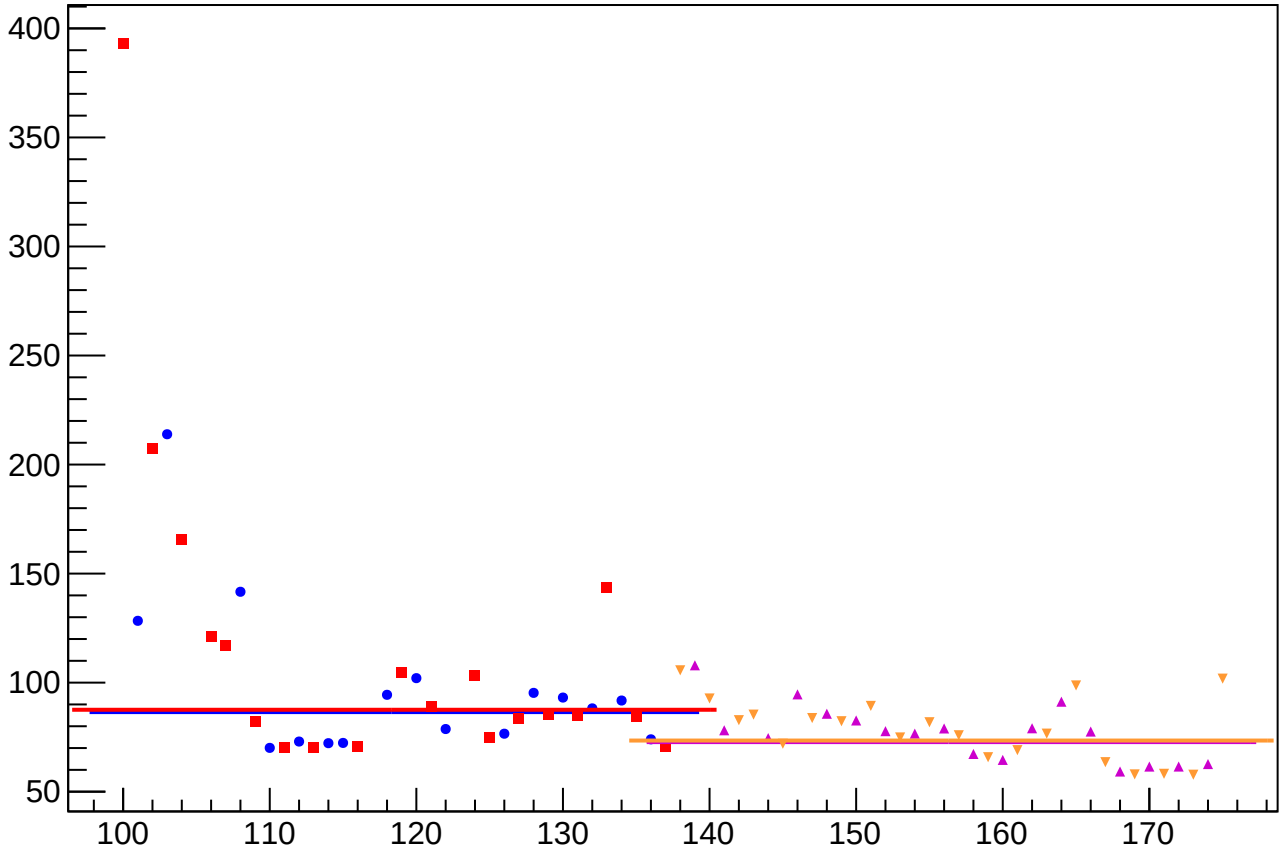
Left In: -59.487+/-19.415 χ^2/NDF:26.6/17

+ sign 67.287+/-16.573 χ^2/NDF: 60.5/35

All: 15.391+/-11.822 χ^2/NDF: 135.5/72

- sign -38.374+/-16.868 χ^2/NDF: 55.0/36

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 73.443+/-0.013 χ^2/NDF:967103.3/19

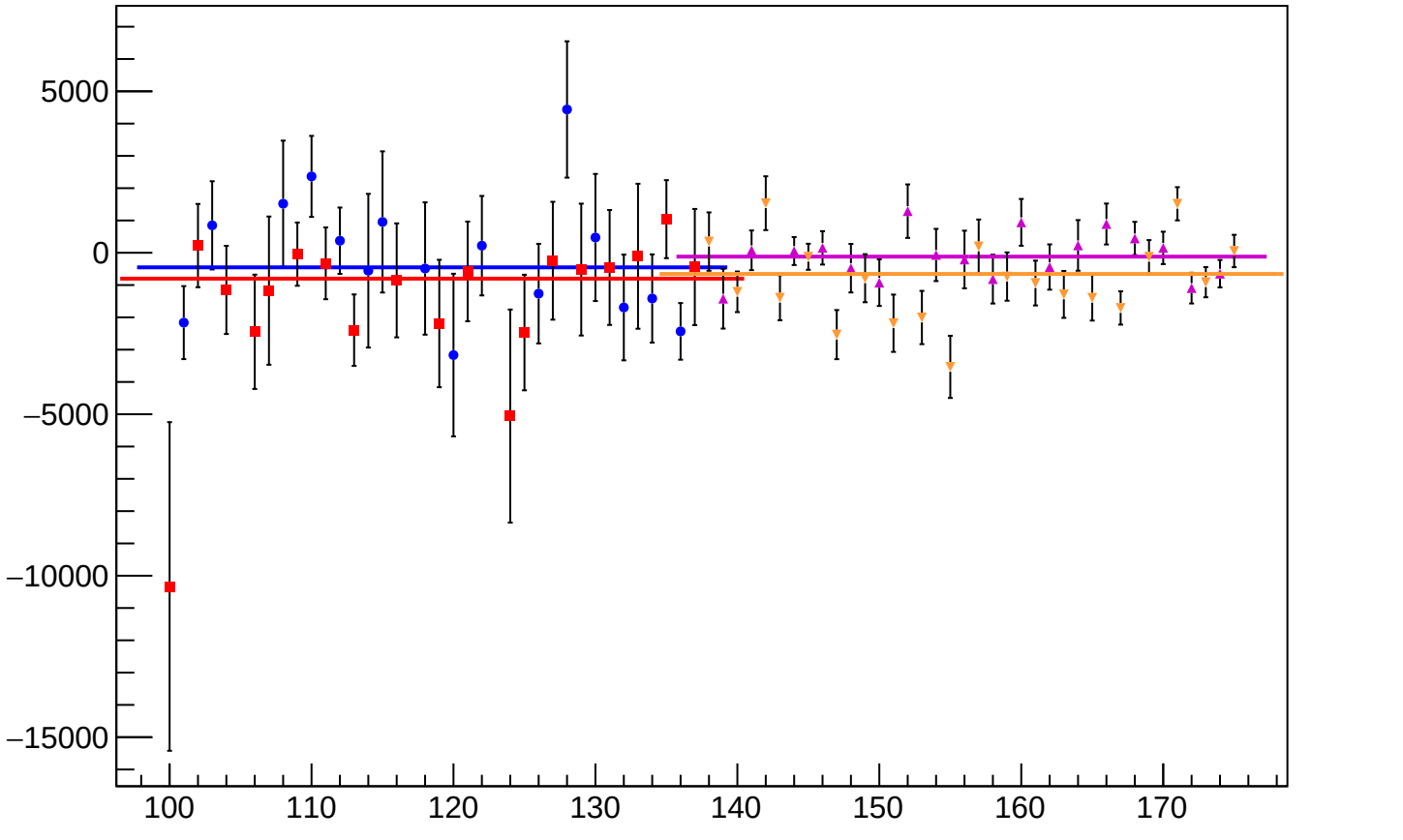
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 72.730+/-0.014 χ^2/NDF:690976.8/17

+ sign 76.587+/-0.012 χ^2/NDF: 2050035.3/35

All: 76.477+/-0.008 χ^2/NDF: 4156802.0/72

- sign 76.364+/-0.012 χ^2/NDF: 2106588.1/36



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -655.998+/-141.669 χ^2/NDF:61.0/19

Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

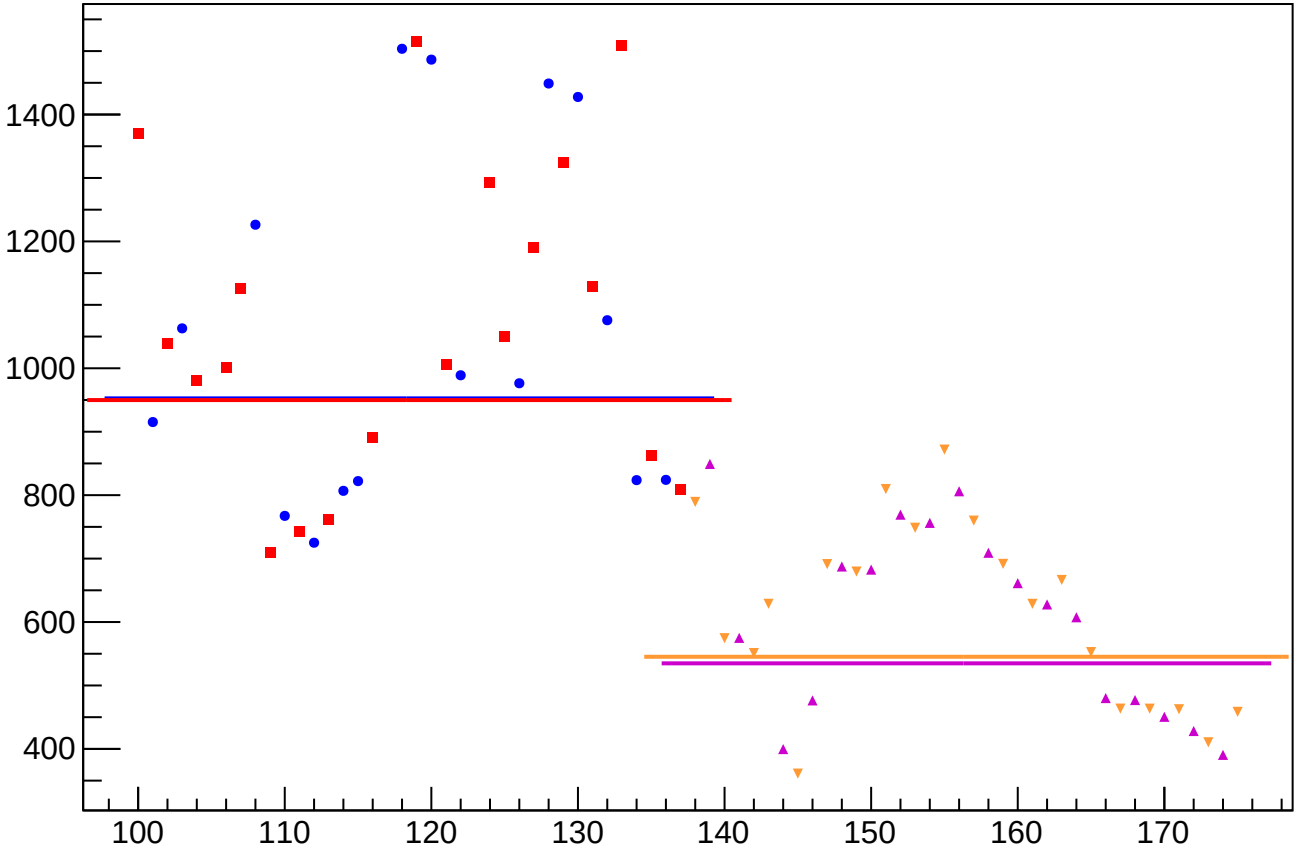
Left In: -119.746+/-143.781 χ^2/NDF:20.1/17

+ sign -629.285+/-132.098 χ^2/NDF: 85.0/35

All: -423.932+/-93.870 χ^2/NDF: 126.7/72

- sign -214.460+/-133.416 χ^2/NDF: 36.8/36

asym_sam_37_avg_eigen_dit_correction_rms vs Slug



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 545.233+/-0.100 χ^2/NDF:1938092.2/19

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

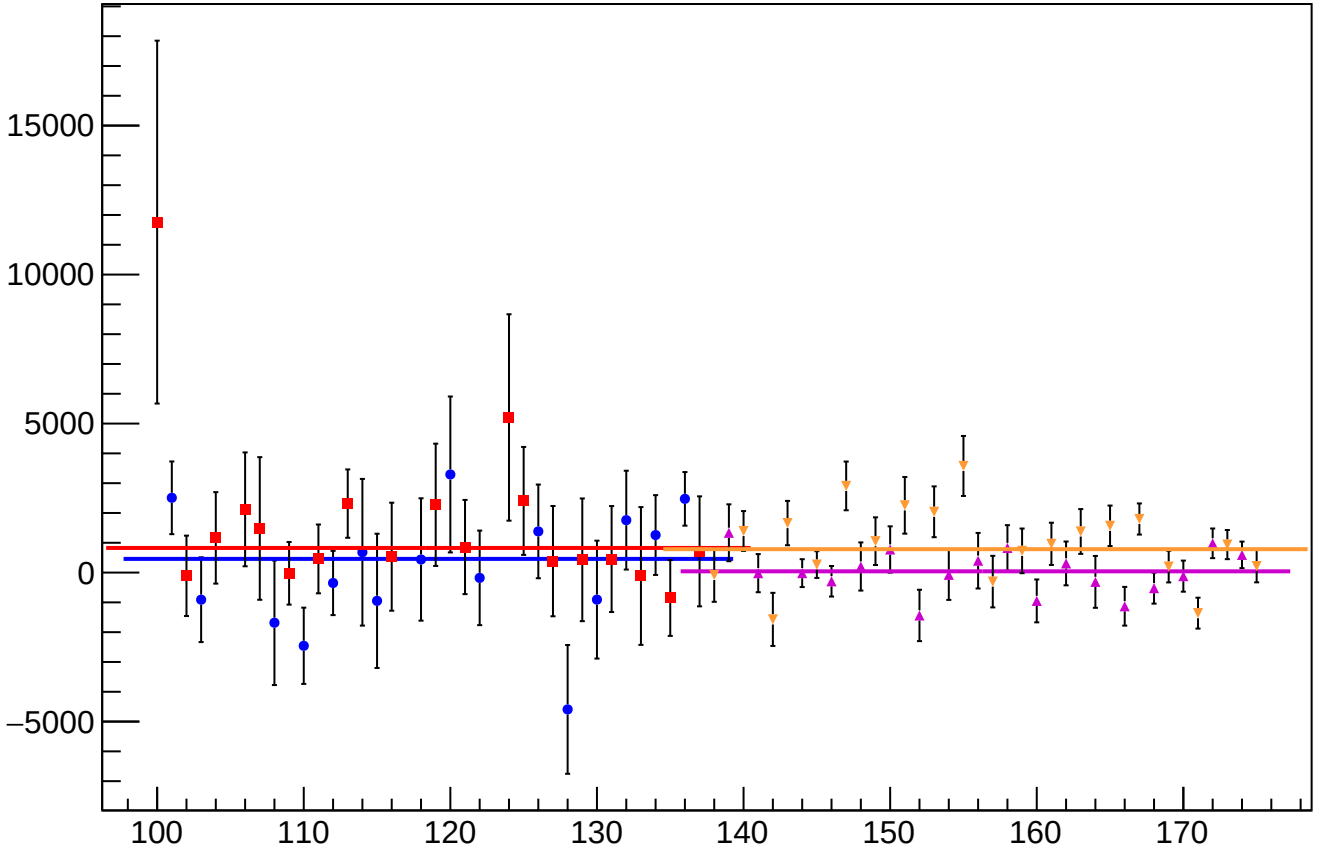
Left In: 534.882+/-0.102 χ^2/NDF:1768814.8/17

\+ sign 598.407+/-0.093 χ^2/NDF: 4842760.6/35

All: 595.514+/-0.066 χ^2/NDF: 9681047.8/72

\- sign 592.563+/-0.094 χ^2/NDF: 4836349.4/36

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 785.392+/-148.200 χ^2/NDF:57.5/19

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

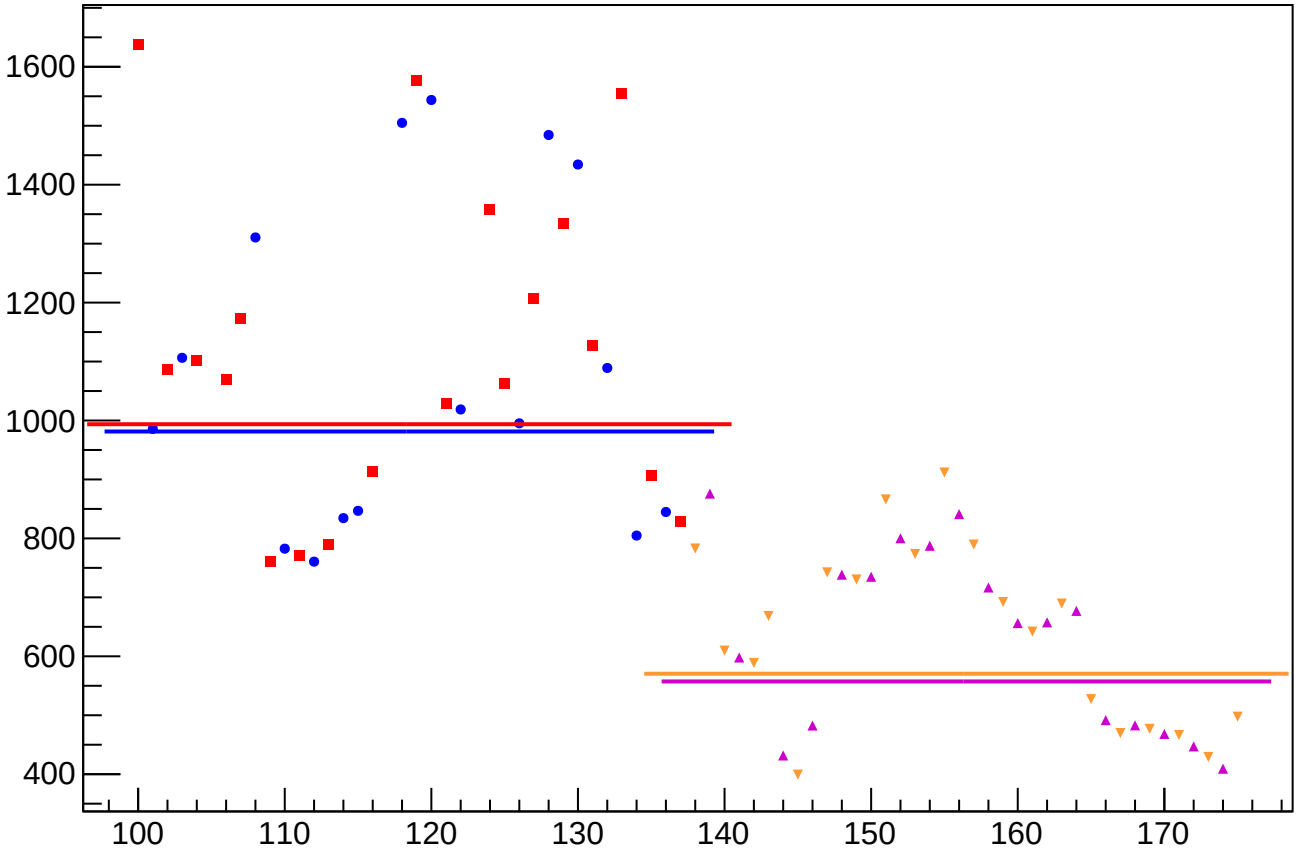
Left In: 41.995+/-149.646 χ^2/NDF:19.2/17

+ sign 741.698+/-137.920 χ^2/NDF: 82.7/35

All: 448.119+/-97.886 χ^2/NDF: 126.5/72

- sign 150.142+/-138.949 χ^2/NDF: 34.7/36

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 570.418+/-0.105 χ^2/NDF:1827973.3/19

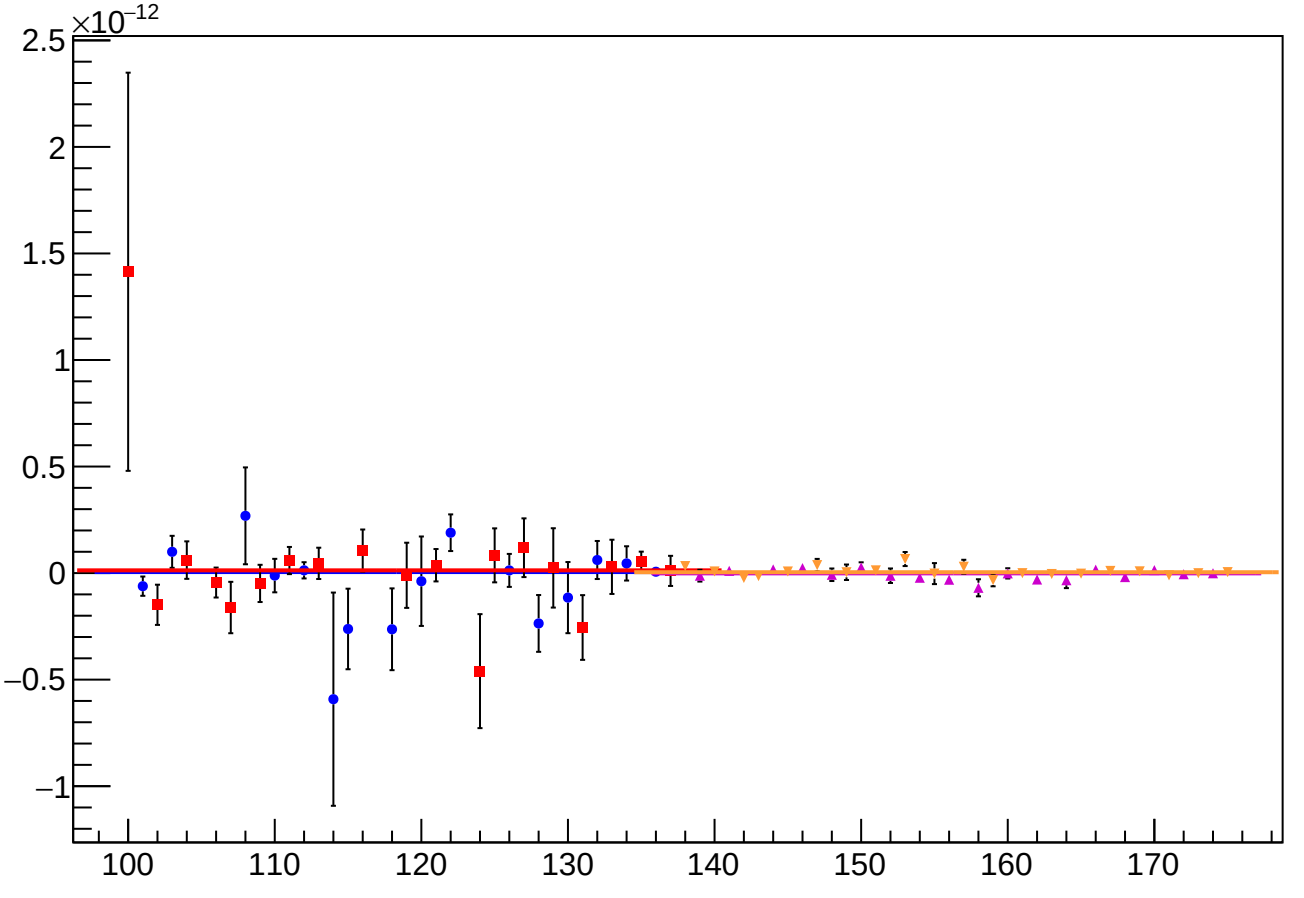
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 557.336+/-0.106 χ^2/NDF:1755138.2/17

+ sign 625.452+/-0.098 χ^2/NDF: 4624963.6/35

All: 621.499+/-0.069 χ^2/NDF: 9447279.6/72

- sign 617.486+/-0.098 χ^2/NDF: 4819005.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/19

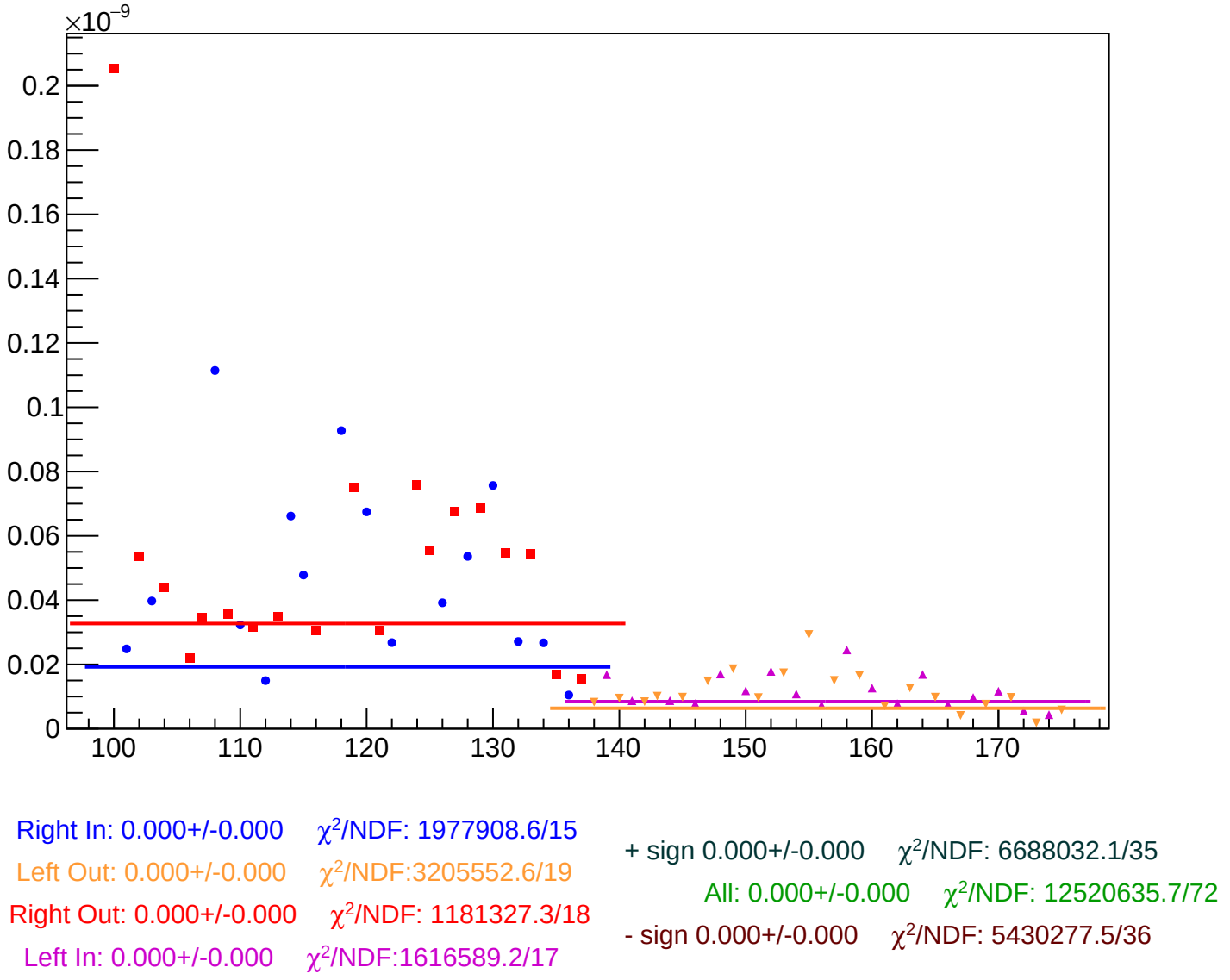
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.2/17

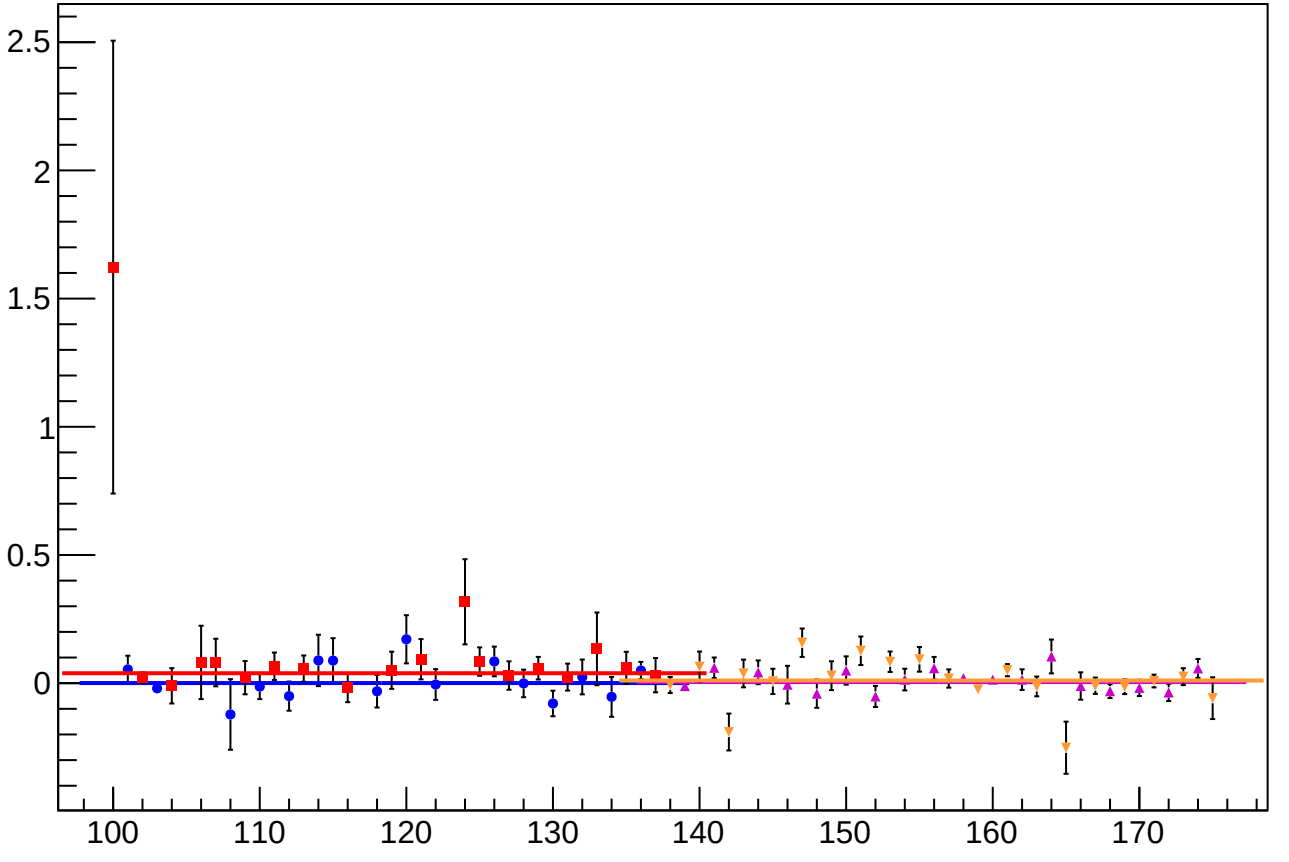
+ sign 0.000+/-0.000 χ^2/NDF: 34.0/35

All: 0.000+/-0.000 χ^2/NDF: 71.9/72

- sign -0.000+/-0.000 χ^2/NDF: 37.1/36


asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3205552.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:1616589.2/17
+ sign 0.000+/-0.000 χ²/NDF: 6688032.1/35
All: 0.000+/-0.000 χ²/NDF: 12520635.7/72
- sign 0.000+/-0.000 χ²/NDF: 5430277.5/36

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:43.4/19

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

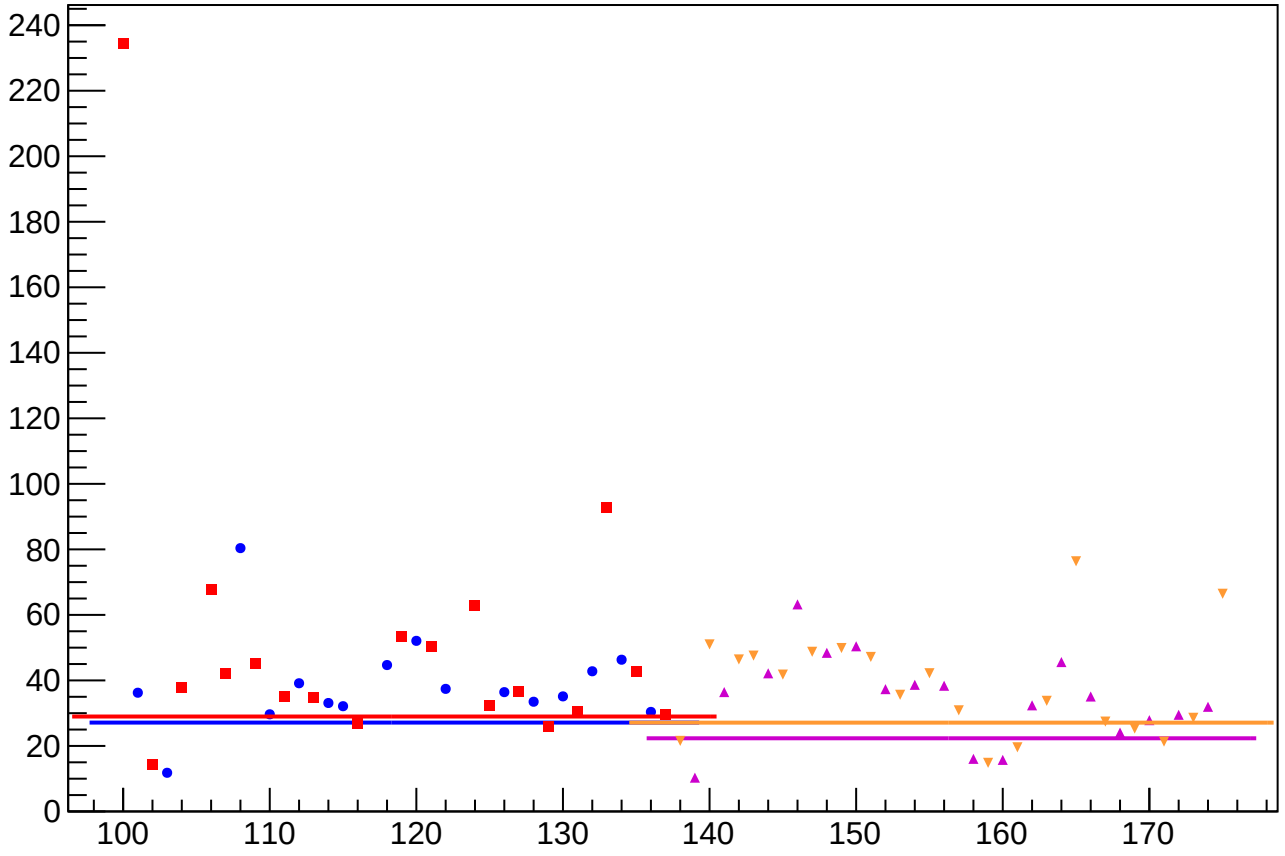
Left In: 0.004+/-0.007 χ^2/NDF:17.9/17

+ sign 0.007+/-0.007 χ^2/NDF: 60.4/35

All: 0.010+/-0.004 χ^2/NDF: 95.4/72

- sign 0.012+/-0.006 χ^2/NDF: 34.7/36

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.110+/-0.006 χ^2/NDF:4628202.4/19

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

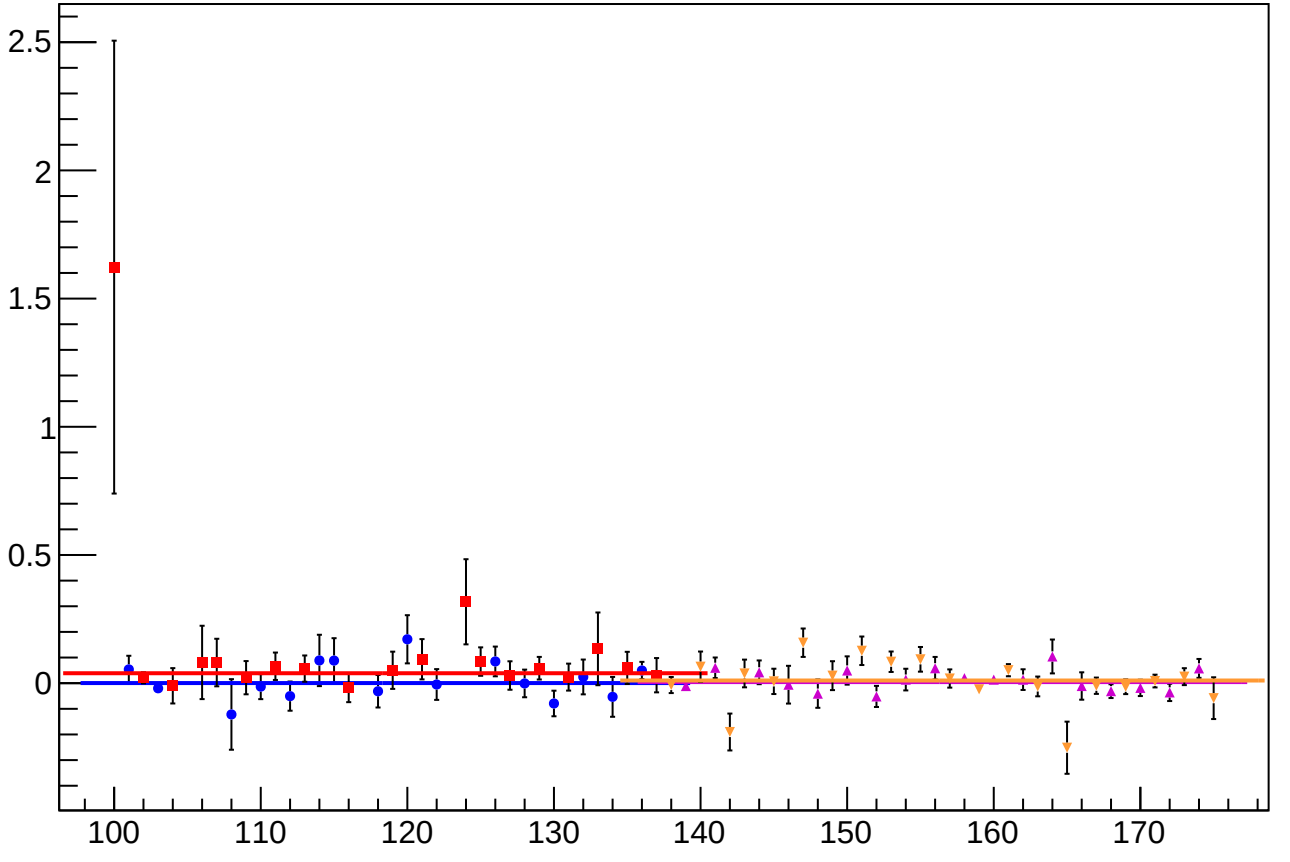
Left In: 22.334+/-0.005 χ^2/NDF:5927267.4/17

+ sign 27.116+/-0.005 χ^2/NDF: 7043521.5/35

All: 25.378+/-0.003 χ^2/NDF: 16110579.2/72

- sign 23.884+/-0.004 χ^2/NDF: 8807582.3/36

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:43.4/19

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

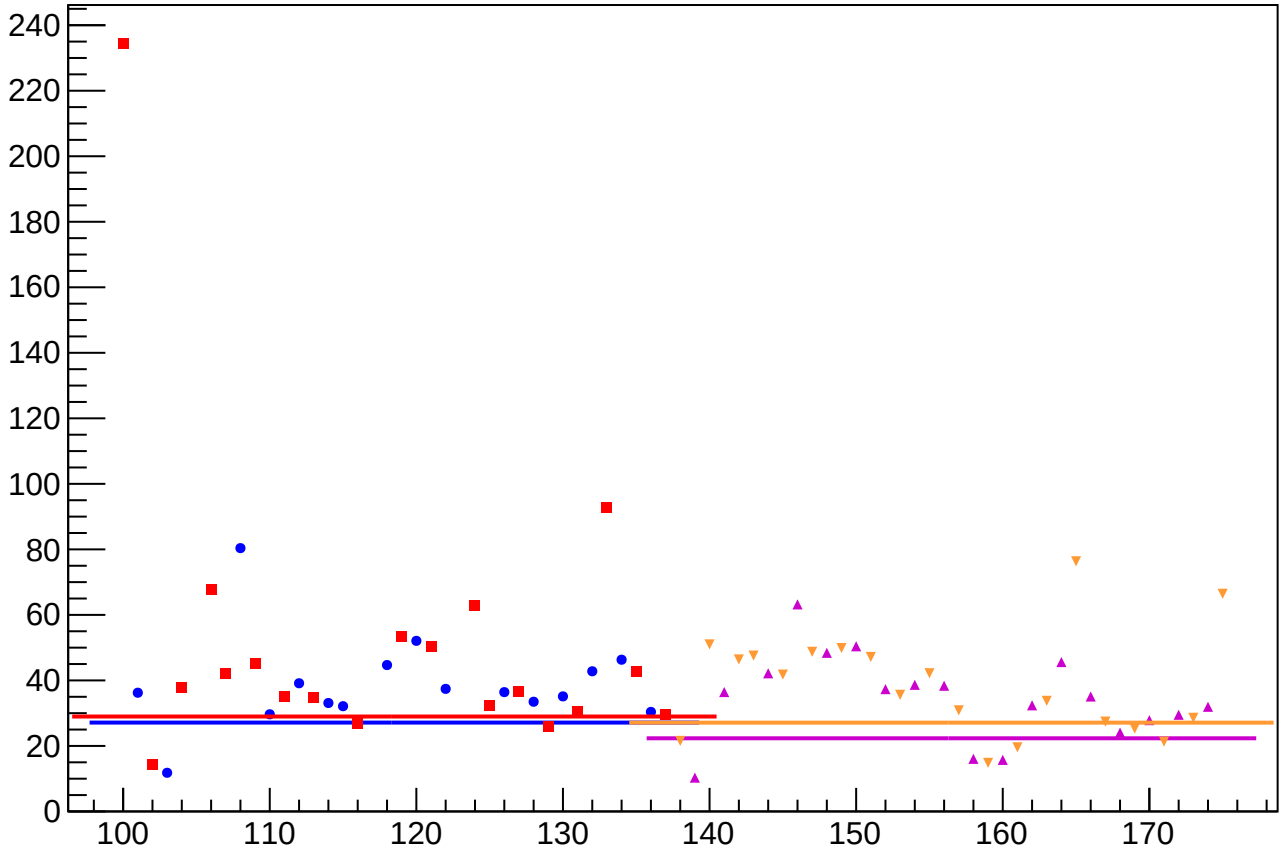
Left In: 0.004+/-0.007 χ^2/NDF:17.9/17

+ sign 0.007+/-0.007 χ^2/NDF: 60.4/35

All: 0.010+/-0.004 χ^2/NDF: 95.4/72

- sign 0.012+/-0.006 χ^2/NDF: 34.7/36

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.110+/-0.006 χ^2/NDF:4628202.4/19

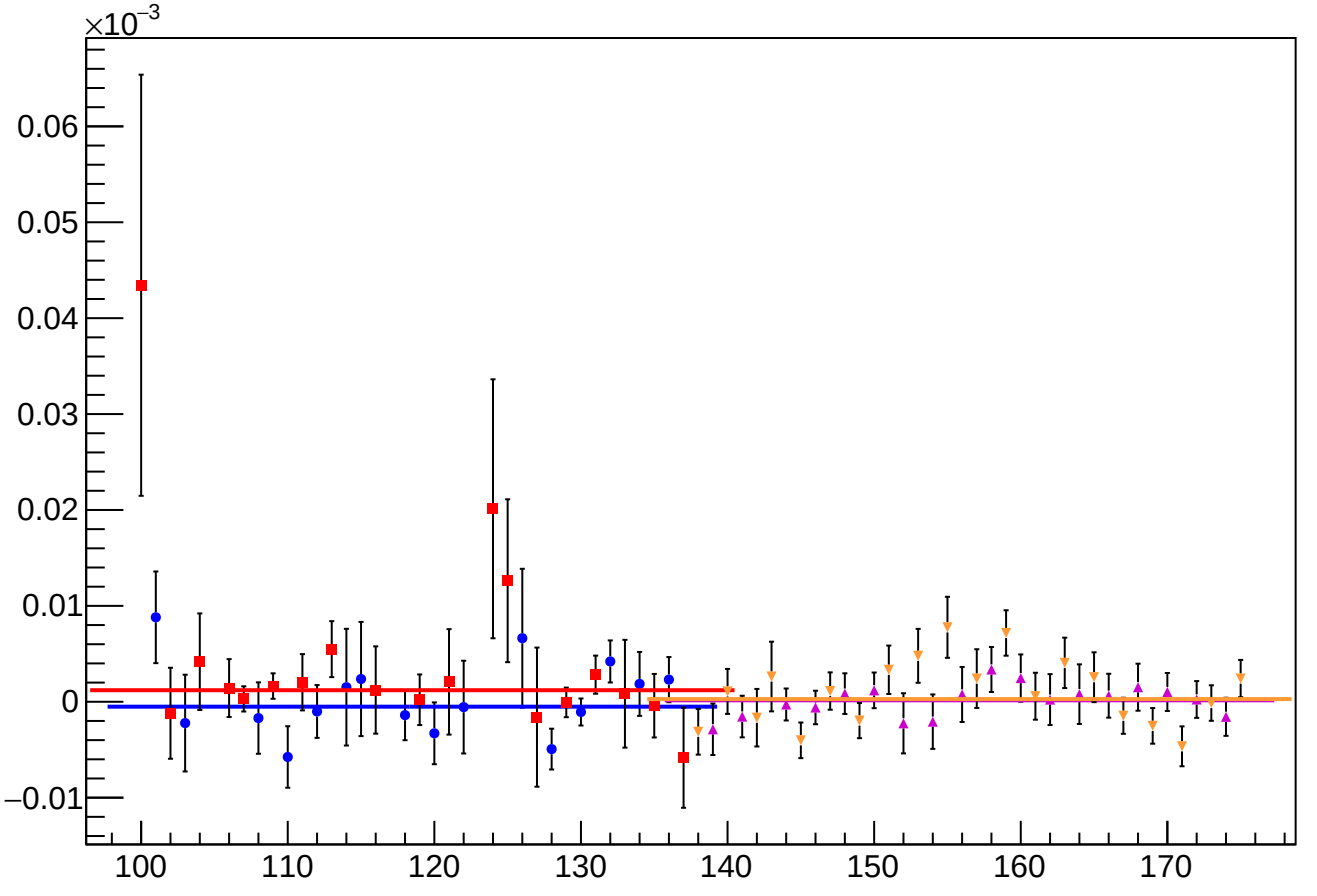
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.334+/-0.005 χ^2/NDF:5927267.4/17

+ sign 27.116+/-0.005 χ^2/NDF: 7043521.5/35

All: 25.378+/-0.003 χ^2/NDF: 16110579.2/72

- sign 23.884+/-0.004 χ^2/NDF: 8807582.3/36



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.4/19

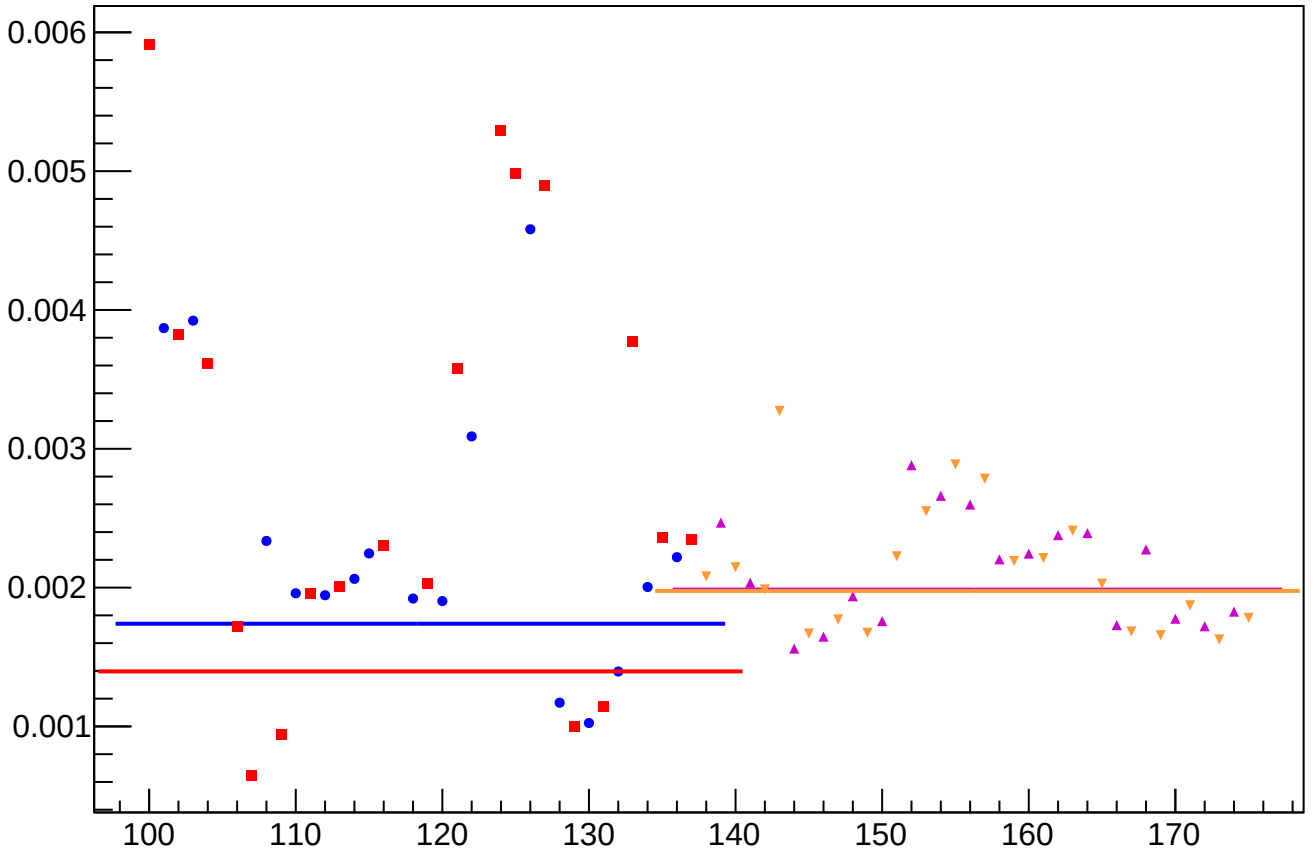
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:7.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 62.2/35

All: 0.000+/-0.000 χ^2/NDF: 87.4/72

- sign 0.000+/-0.000 χ^2/NDF: 24.2/36



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1101567.7/19

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

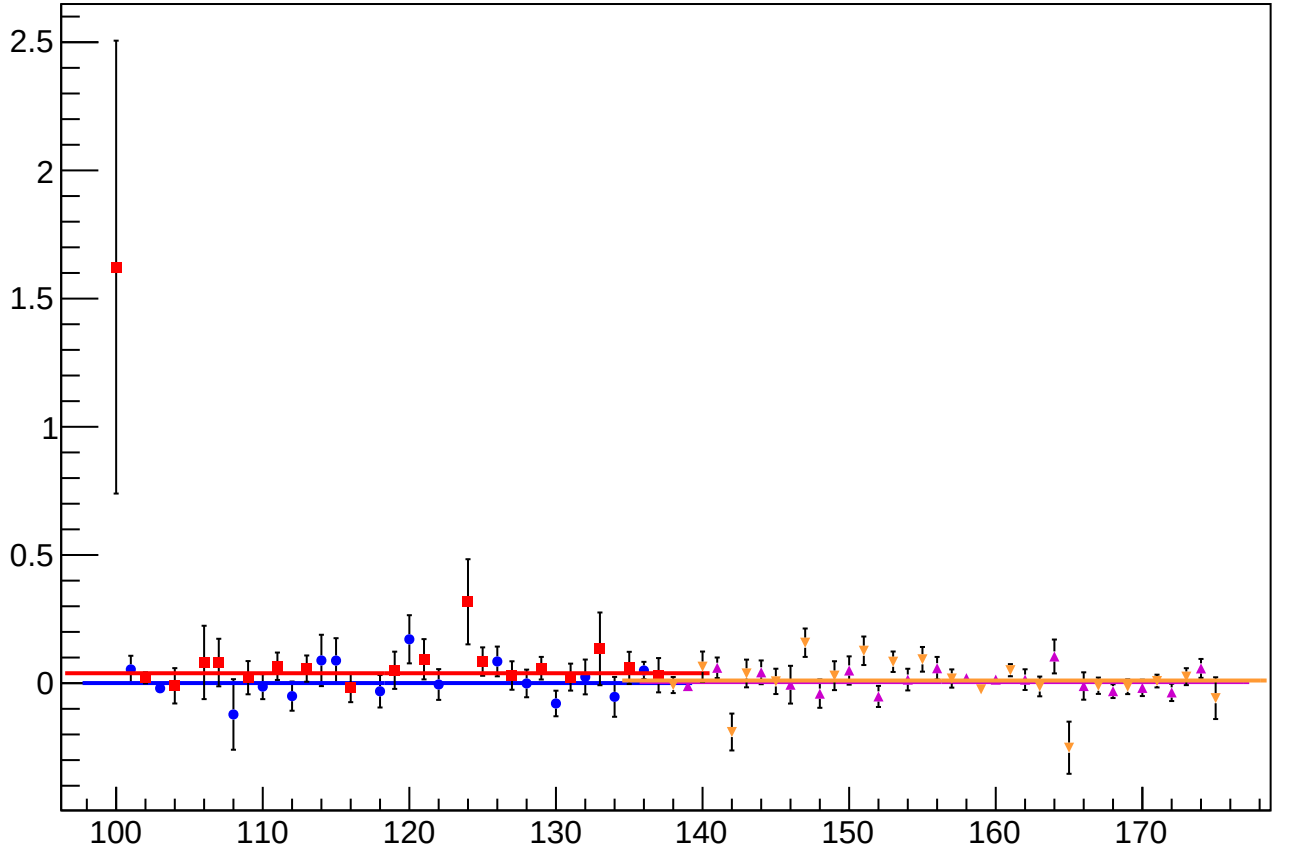
Left In: 0.002+/-0.000 χ^2/NDF:913039.5/17

+ sign 0.002+/-0.000 χ^2/NDF: 3393325.7/35

All: 0.002+/-0.000 χ^2/NDF: 9856342.1/72

- sign 0.002+/-0.000 χ^2/NDF: 6305230.6/36

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:43.4/19

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

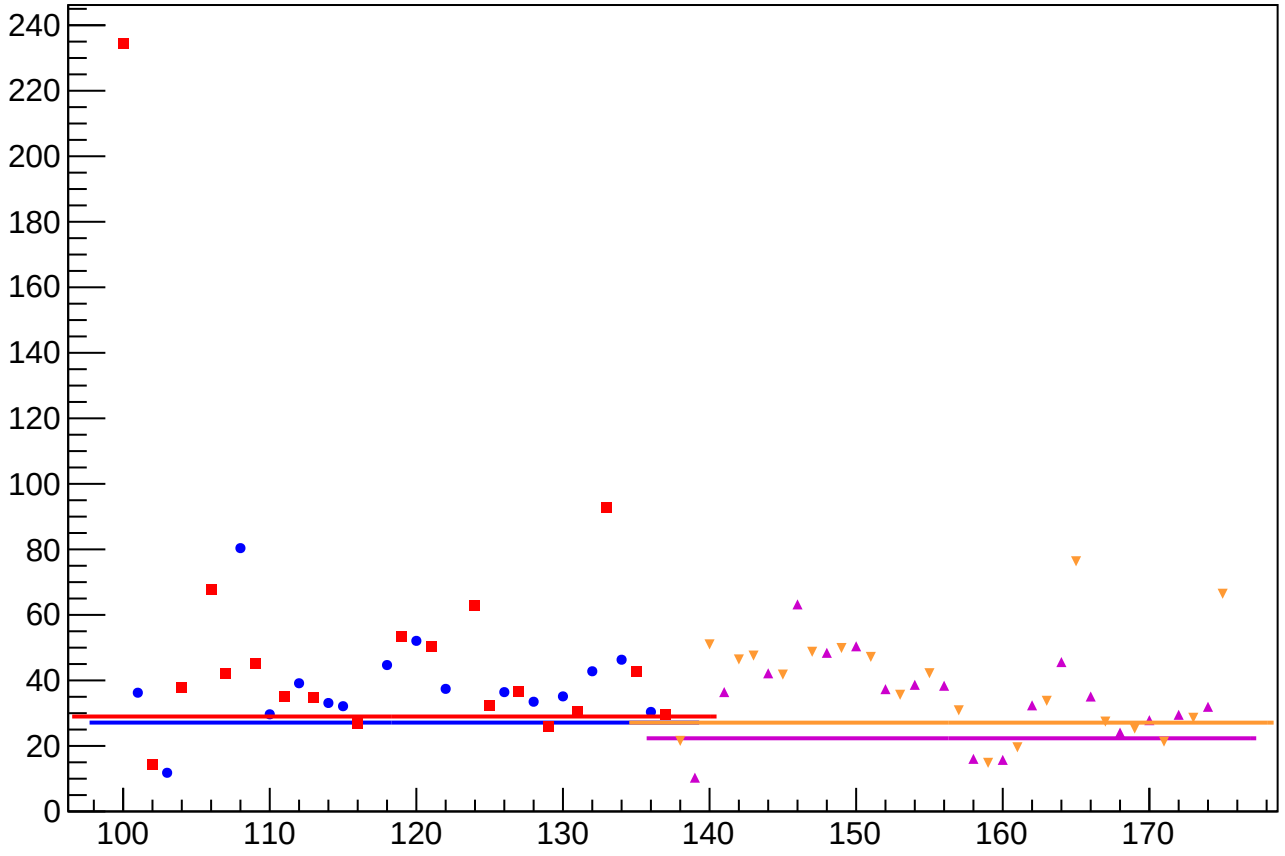
Left In: 0.004+/-0.007 χ^2/NDF:17.9/17

+ sign 0.007+/-0.007 χ^2/NDF: 60.4/35

All: 0.010+/-0.004 χ^2/NDF: 95.4/72

- sign 0.012+/-0.006 χ^2/NDF: 34.7/36

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.110+/-0.006 χ^2/NDF:4628623.3/19

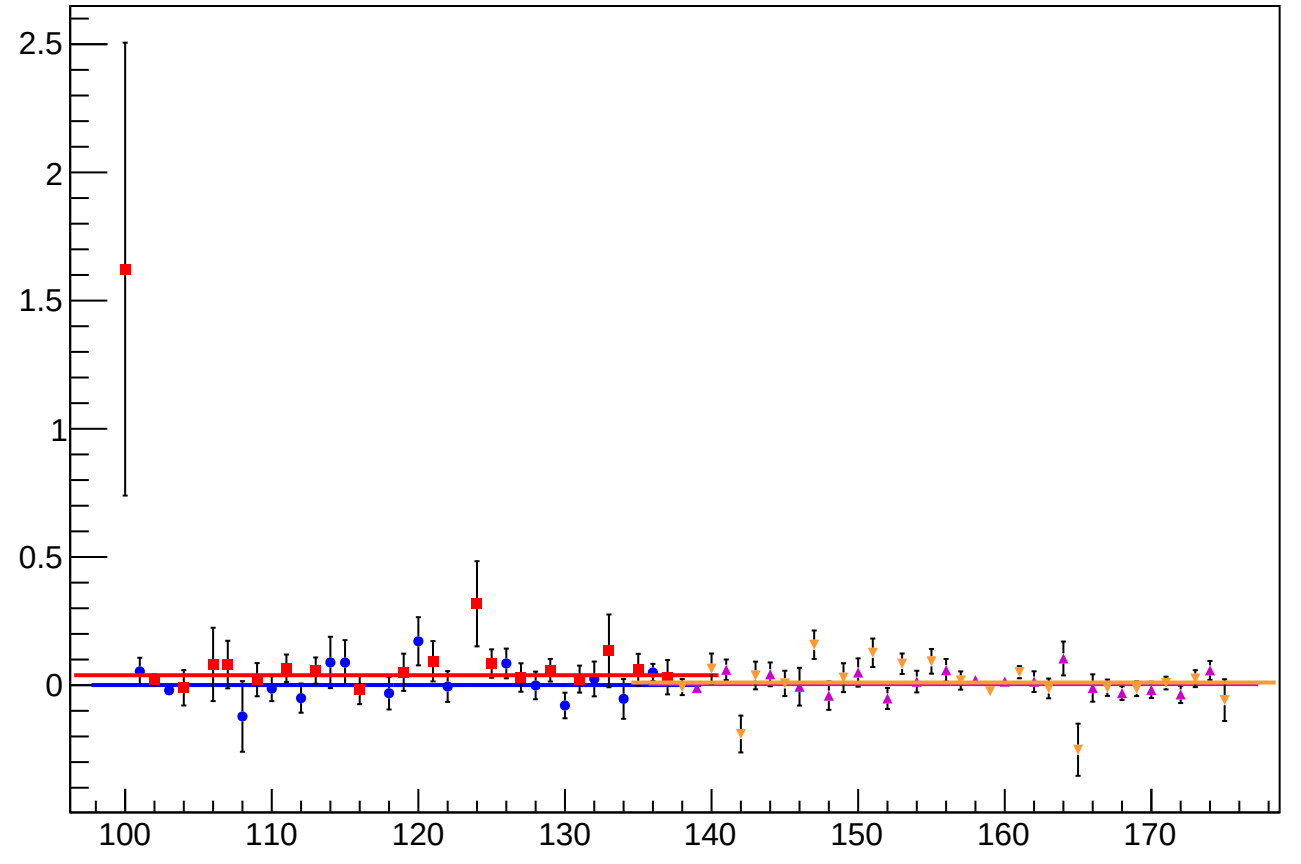
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.333+/-0.005 χ^2/NDF:5928189.5/17

+ sign 27.115+/-0.005 χ^2/NDF: 7044277.5/35

All: 25.378+/-0.003 χ^2/NDF: 16112108.8/72

- sign 23.883+/-0.004 χ^2/NDF: 8808362.9/36



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:43.4/19

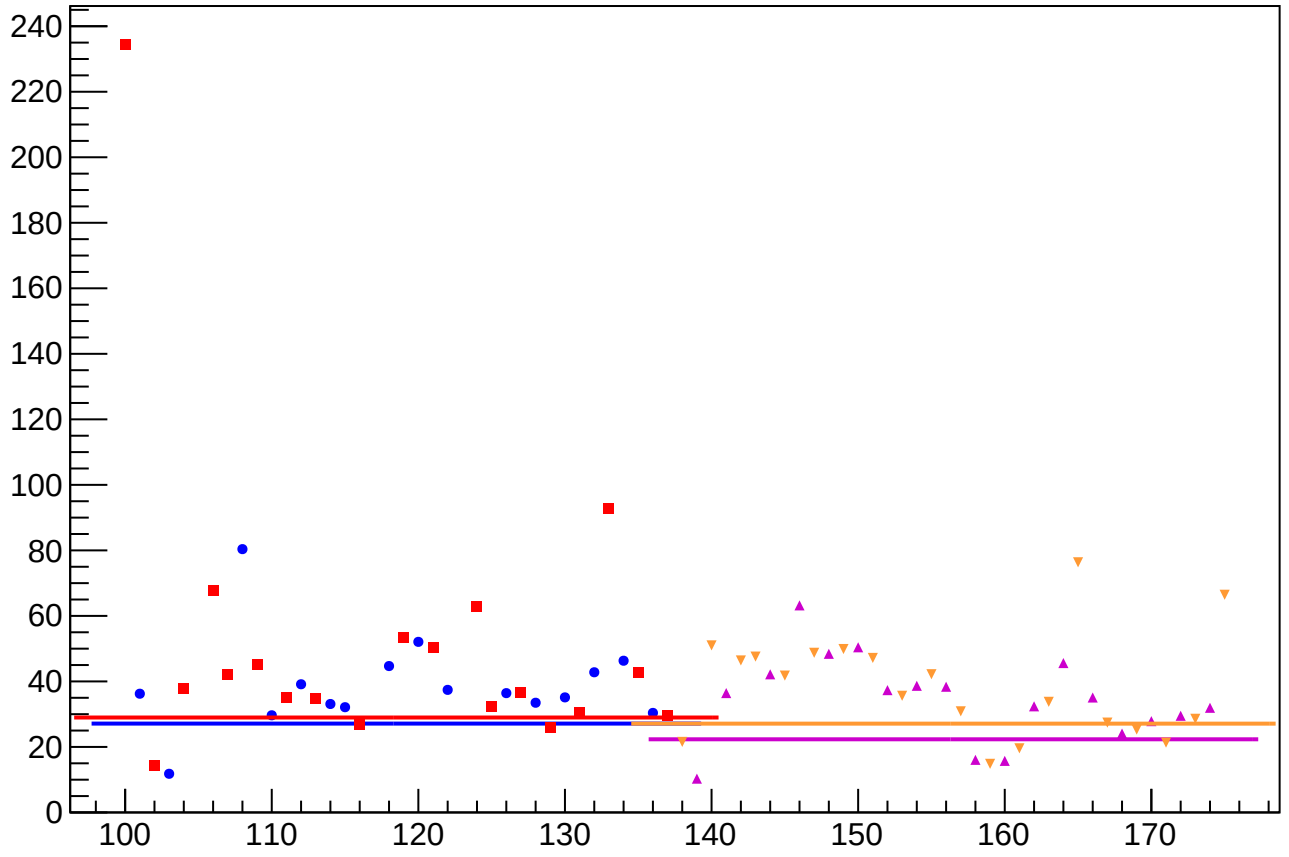
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.004+/-0.007 χ^2/NDF:17.9/17

+ sign 0.007+/-0.007 χ^2/NDF: 60.4/35

All: 0.010+/-0.004 χ^2/NDF: 95.4/72

- sign 0.012+/-0.006 χ^2/NDF: 34.7/36



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.110+/-0.006 χ^2/NDF:4628623.3/19

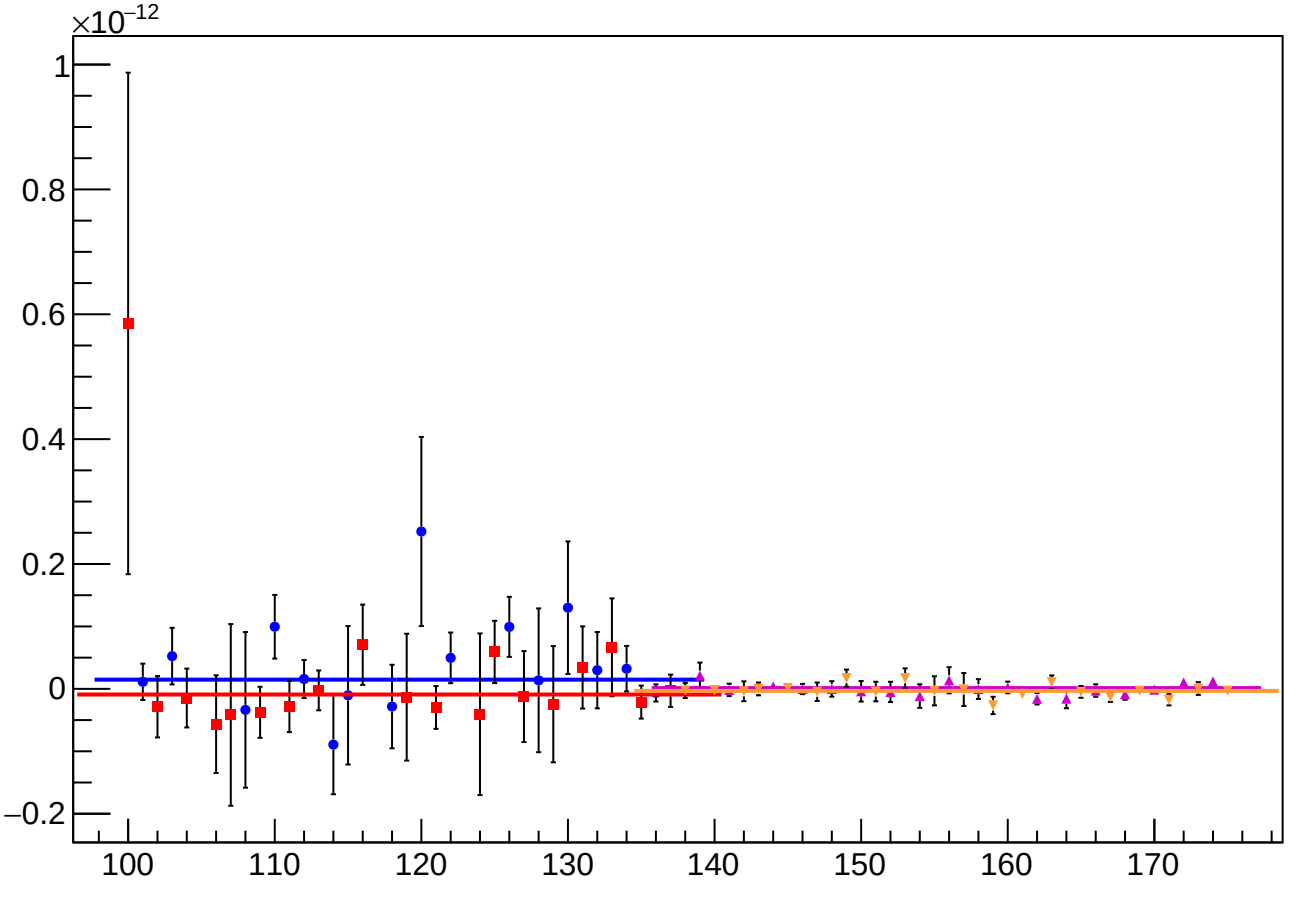
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.333+/-0.005 χ^2/NDF:5928189.5/17

+ sign 27.115+/-0.005 χ^2/NDF: 7044277.5/35

All: 25.378+/-0.003 χ^2/NDF: 16112108.8/72

- sign 23.883+/-0.004 χ^2/NDF: 8808362.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/19

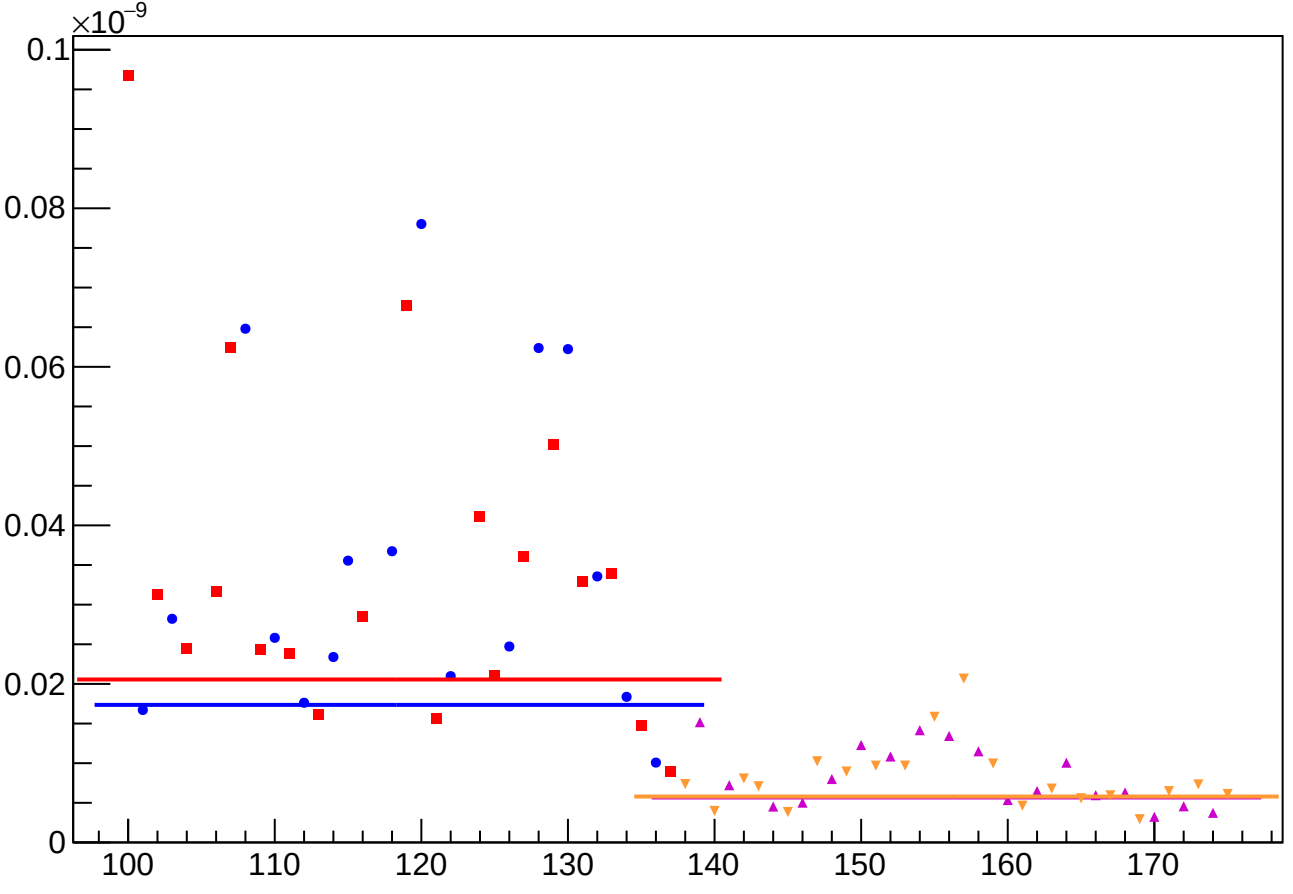
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 32.7/35

All: -0.000+/-0.000 χ^2/NDF: 57.2/72

- sign 0.000+/-0.000 χ^2/NDF: 23.5/36



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2800875.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

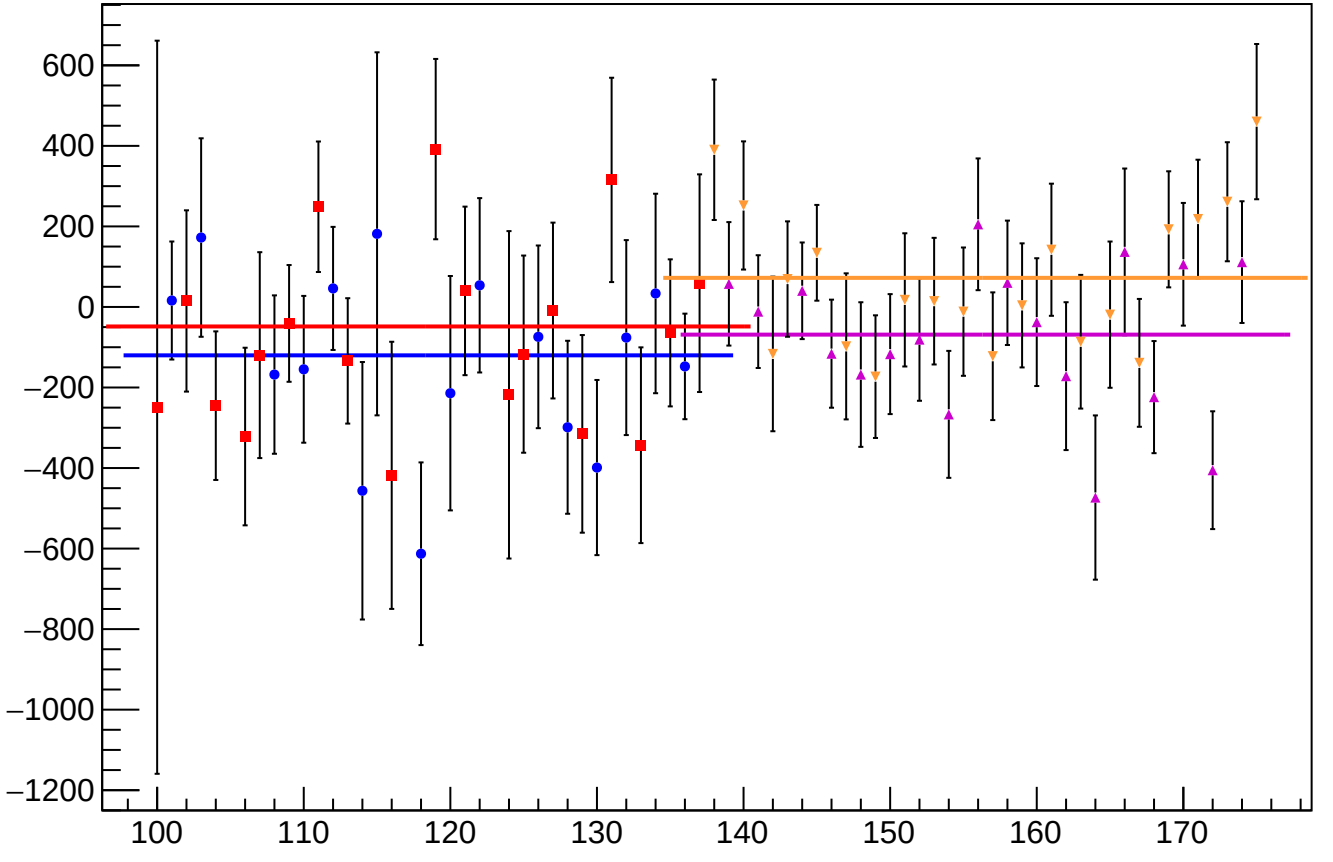
Left In: 0.000+/-0.000 χ^2/NDF:2940092.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 8086906.2/35

All: 0.000+/-0.000 χ^2/NDF: 16586410.1/72

- sign 0.000+/-0.000 χ^2/NDF: 8496956.9/36

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 72.251+/-35.330 χ^2/NDF:22.0/19

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

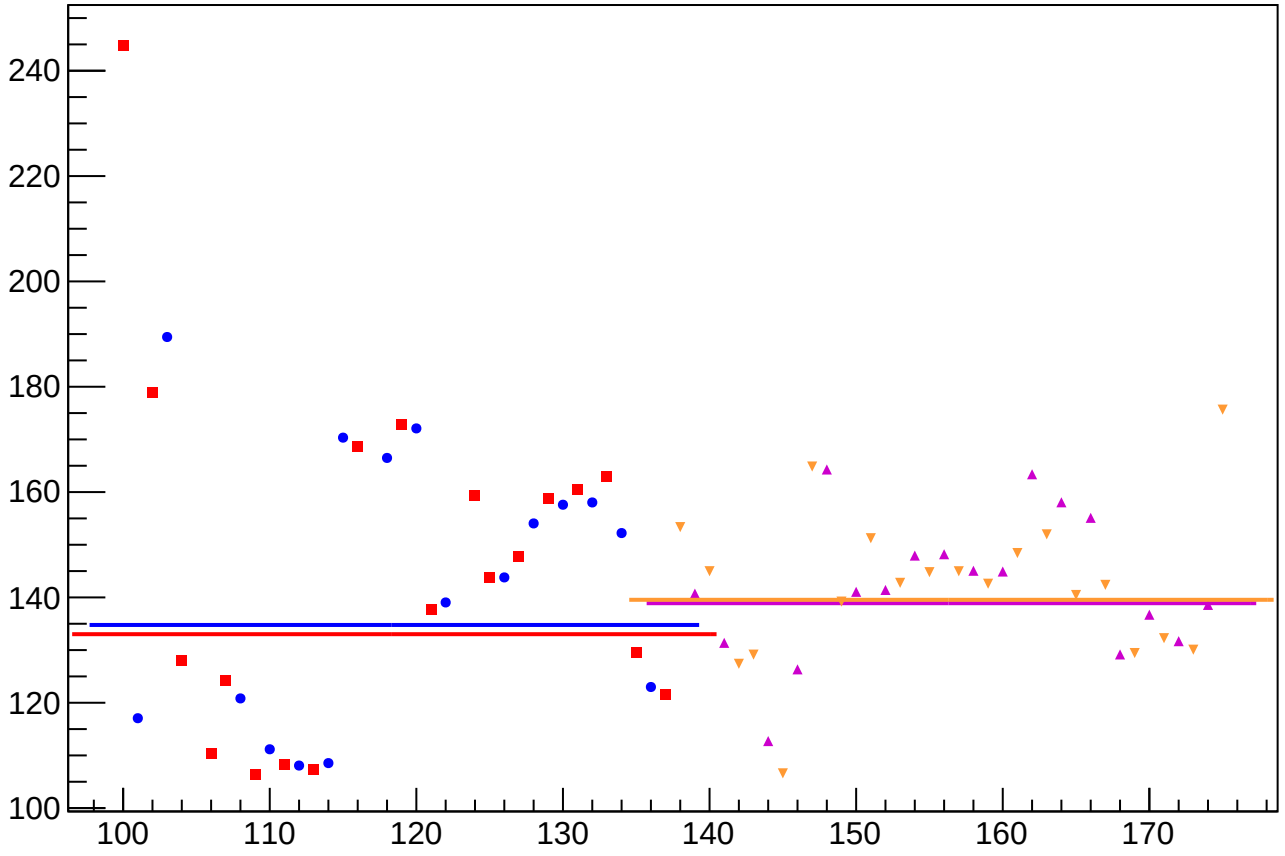
Left In: -68.716+/-36.286 χ^2/NDF:21.8/17

+ sign 10.028+/-29.061 χ^2/NDF: 45.0/35

All: -25.486+/-20.650 χ^2/NDF: 87.0/72

- sign -61.707+/-29.349 χ^2/NDF: 38.9/36

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 139.548+/-0.025 χ^2/NDF:352986.7/19

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

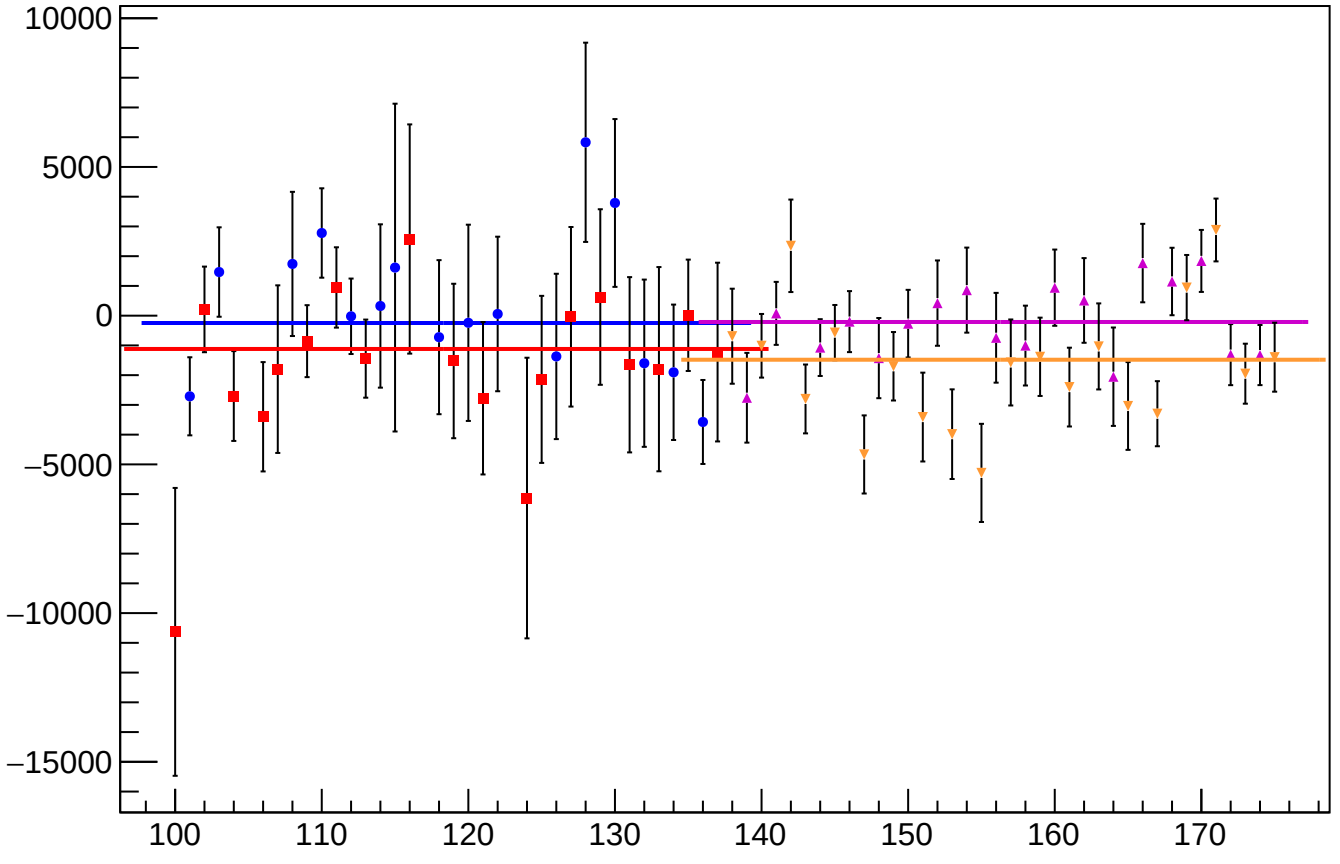
Left In: 138.902+/-0.026 χ^2/NDF:259384.8/17

+ sign 138.003+/-0.021 χ^2/NDF: 781589.3/35

All: 137.441+/-0.015 χ^2/NDF: 1556377.9/72

- sign 136.868+/-0.021 χ^2/NDF: 773276.6/36

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1481.364+/-277.059 χ^2/NDF:51.1/19

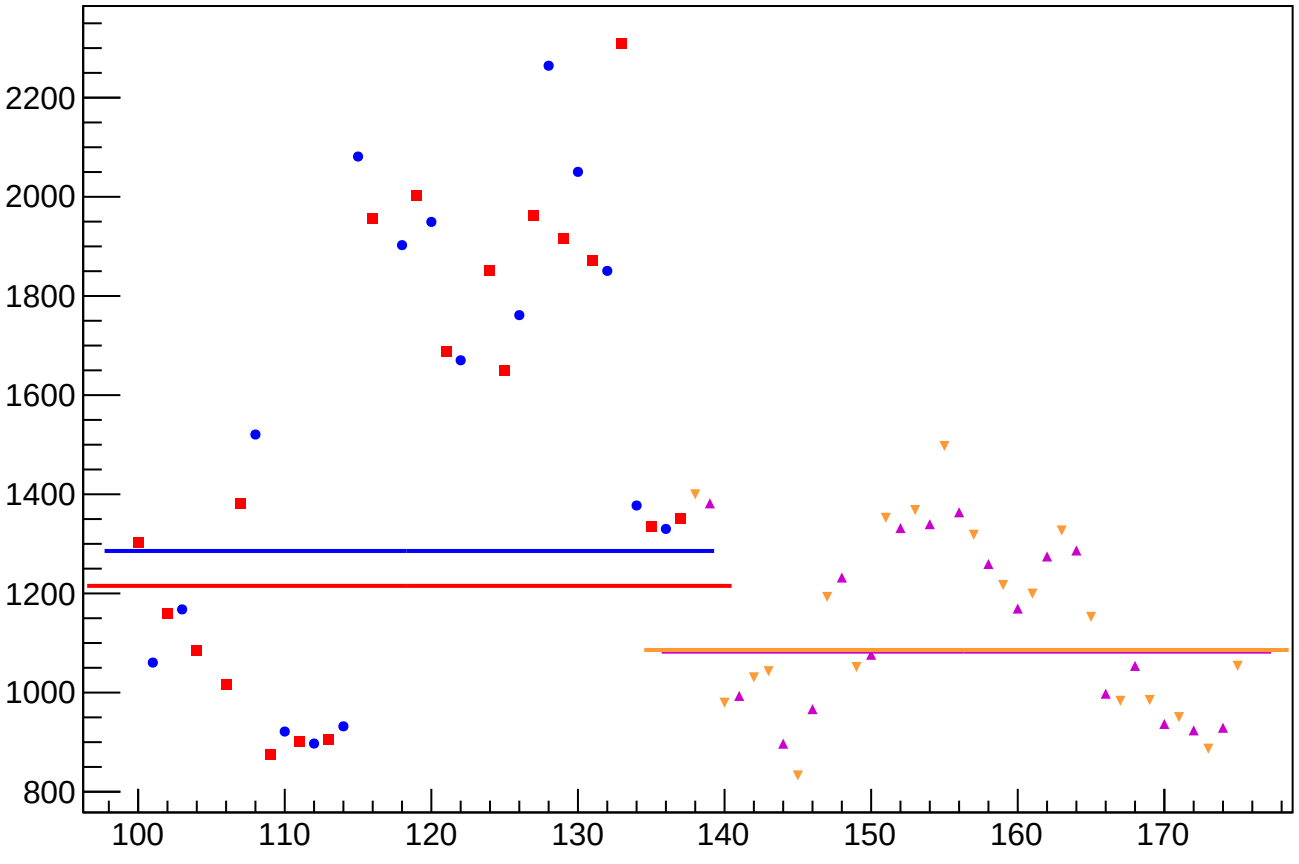
Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: -212.558+/-284.663 χ^2/NDF:18.0/17

+ sign -1192.491+/-242.502 χ^2/NDF: 77.3/35

All: -825.977+/-171.743 χ^2/NDF: 116.0/72

- sign -457.160+/-243.263 χ^2/NDF: 34.2/36



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1085.921+/-0.196 χ^2/NDF:816706.4/19

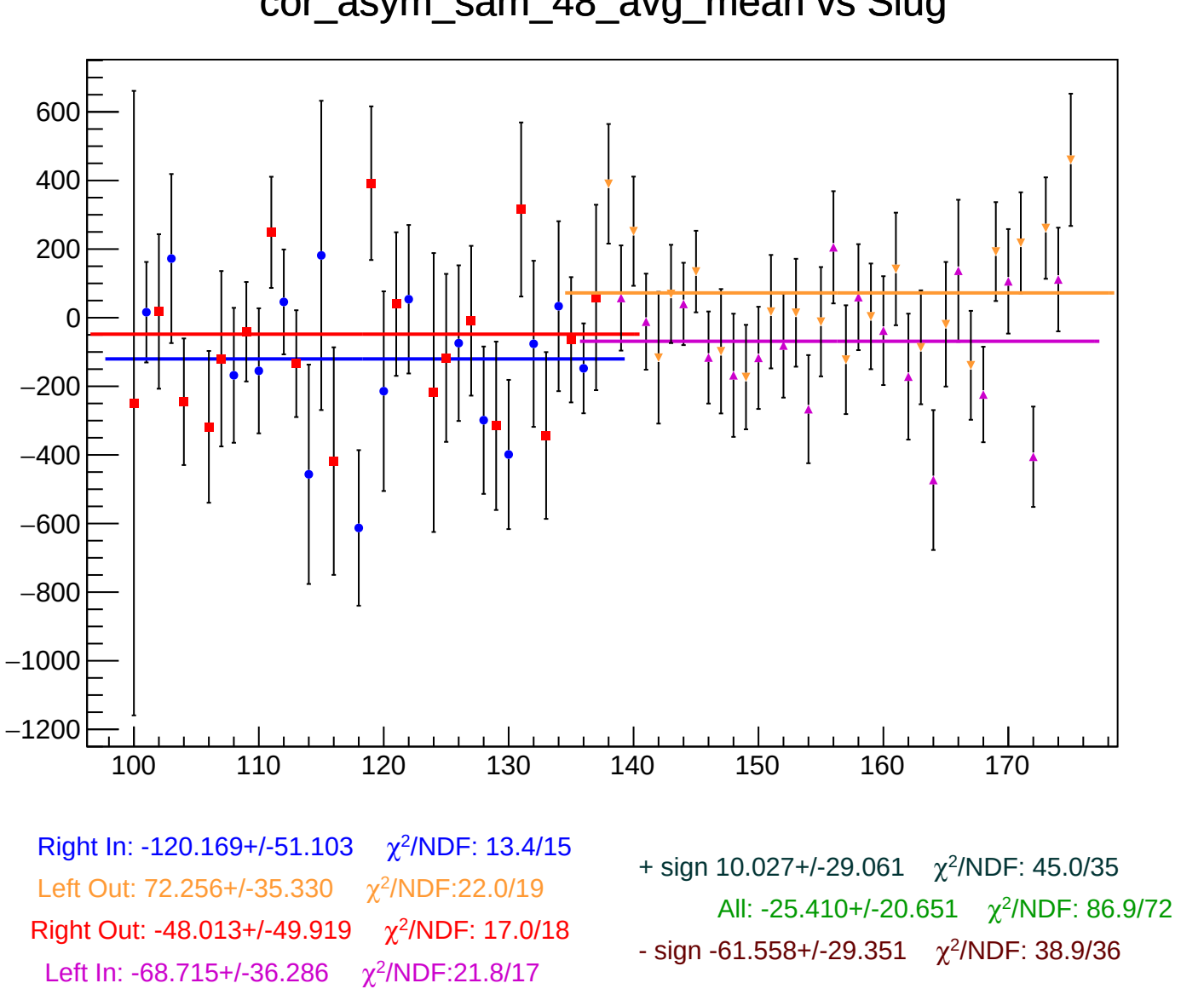
Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1082.569+/-0.201 χ^2/NDF:666583.3/17

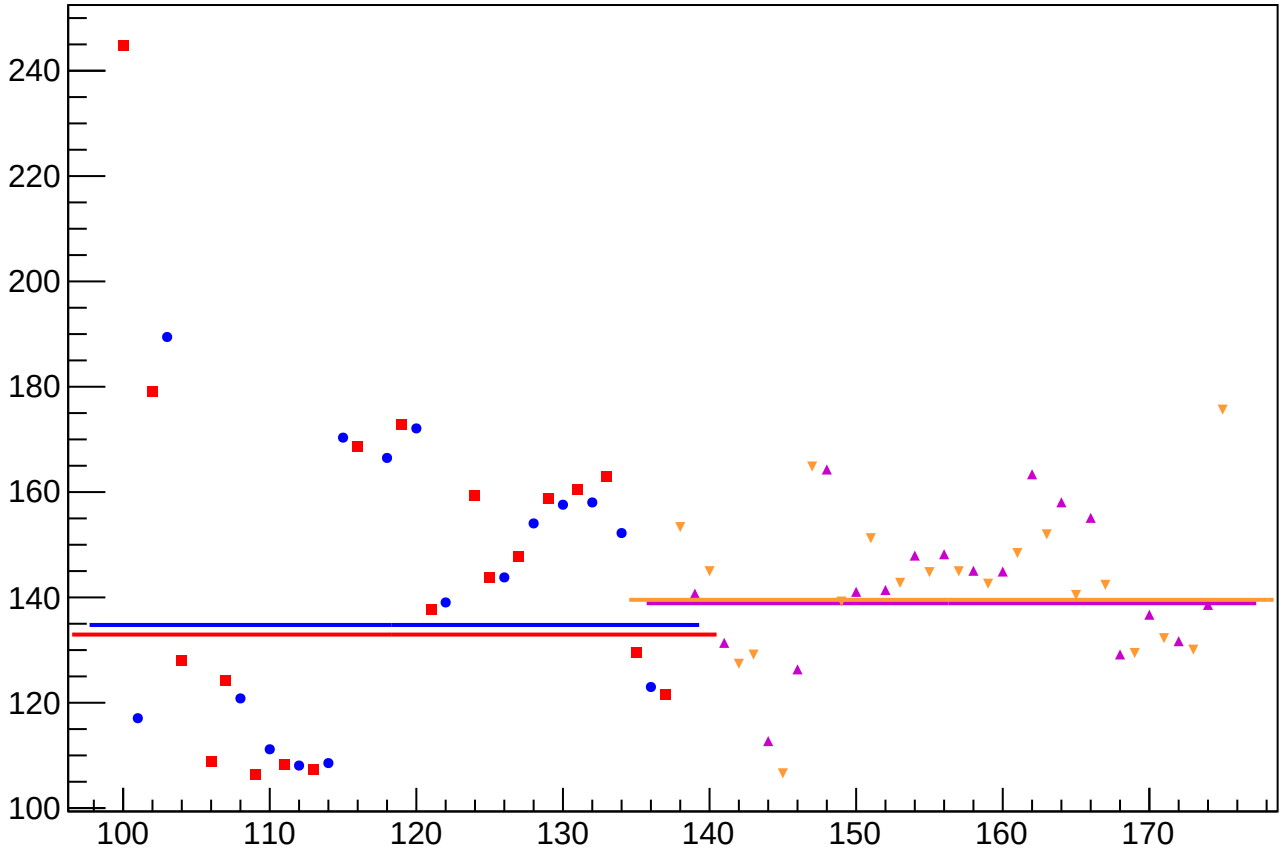
+ sign 1132.643+/-0.171 χ^2/NDF: 2230297.7/35

All: 1125.520+/-0.121 χ^2/NDF: 4403803.4/72

- sign 1118.353+/-0.172 χ^2/NDF: 2170044.0/36


cor_asym_sam_48_avg_mean vs Slug
600
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
170
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 72.256+/-35.330 χ²/NDF:22.0/19
Right Out: -48.013+/-49.919 χ²/NDF: 17.0/18
Left In: -68.715+/-36.286 χ²/NDF:21.8/17
+ sign 10.027+/-29.061 χ²/NDF: 45.0/35
All: -25.410+/-20.651 χ²/NDF: 86.9/72
- sign -61.558+/-29.351 χ²/NDF: 38.9/36

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.548+/-0.025 χ^2/NDF:352986.7/19

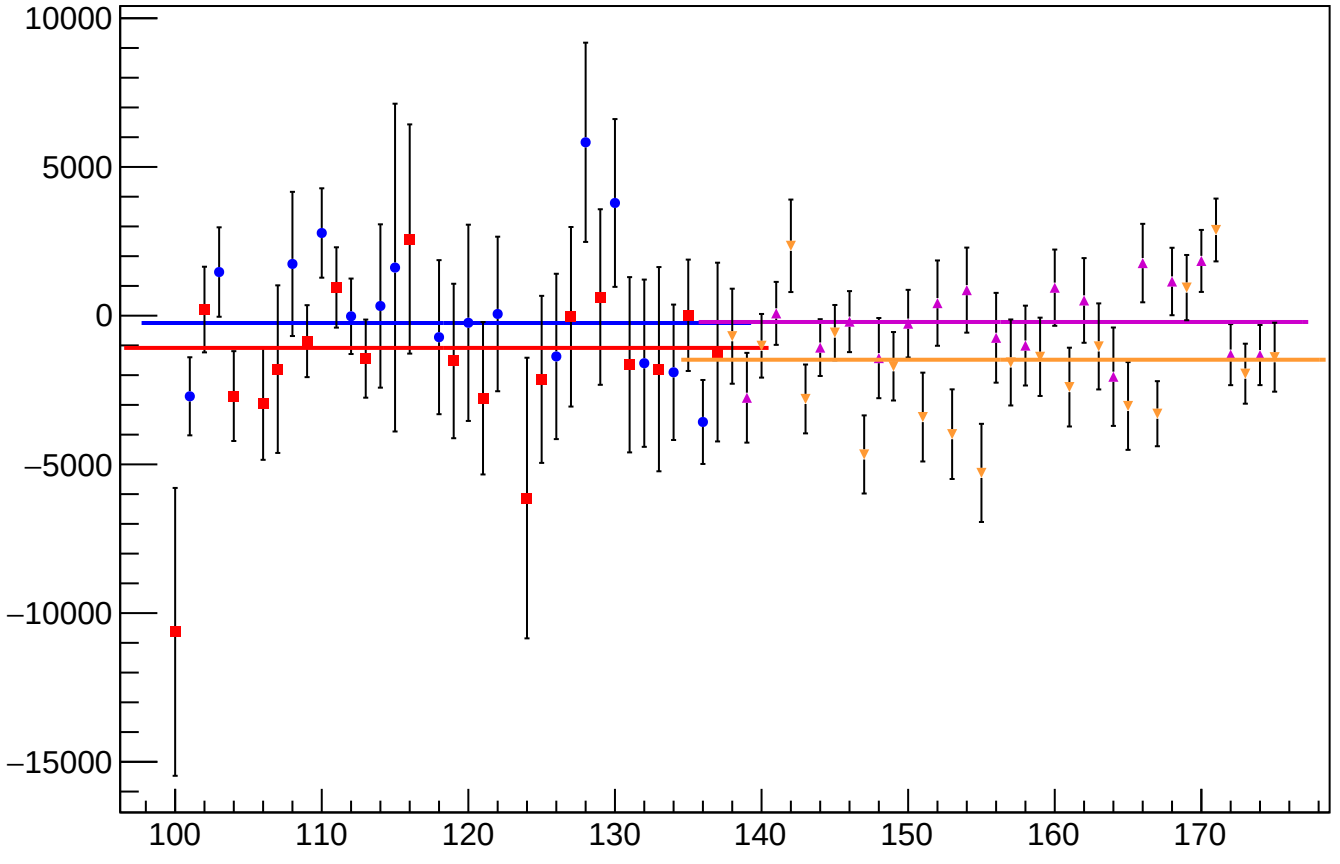
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 138.902+/-0.026 χ^2/NDF:259384.8/17

+ sign 138.003+/-0.021 χ^2/NDF: 781592.2/35

All: 137.429+/-0.015 χ^2/NDF: 1560026.0/72

- sign 136.843+/-0.021 χ^2/NDF: 776855.8/36



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1481.358+/-277.059 χ^2/NDF:51.1/19

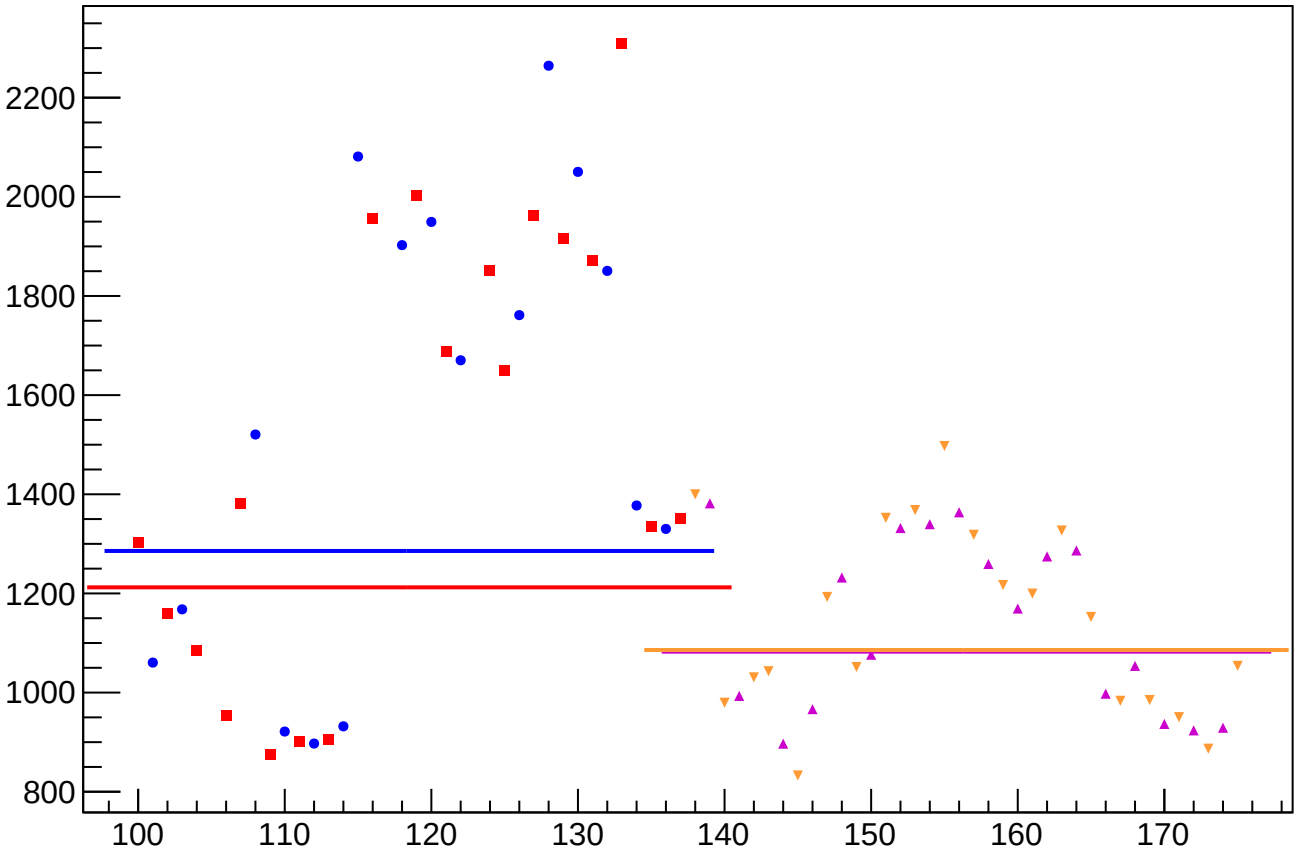
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -212.565+/-284.663 χ^2/NDF:18.0/17

+ sign -1192.507+/-242.502 χ^2/NDF: 77.3/35

All: -821.099+/-171.789 χ^2/NDF: 115.3/72

- sign -446.960+/-243.392 χ^2/NDF: 33.3/36



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1085.921+/-0.196 χ^2/NDF:816707.2/19

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

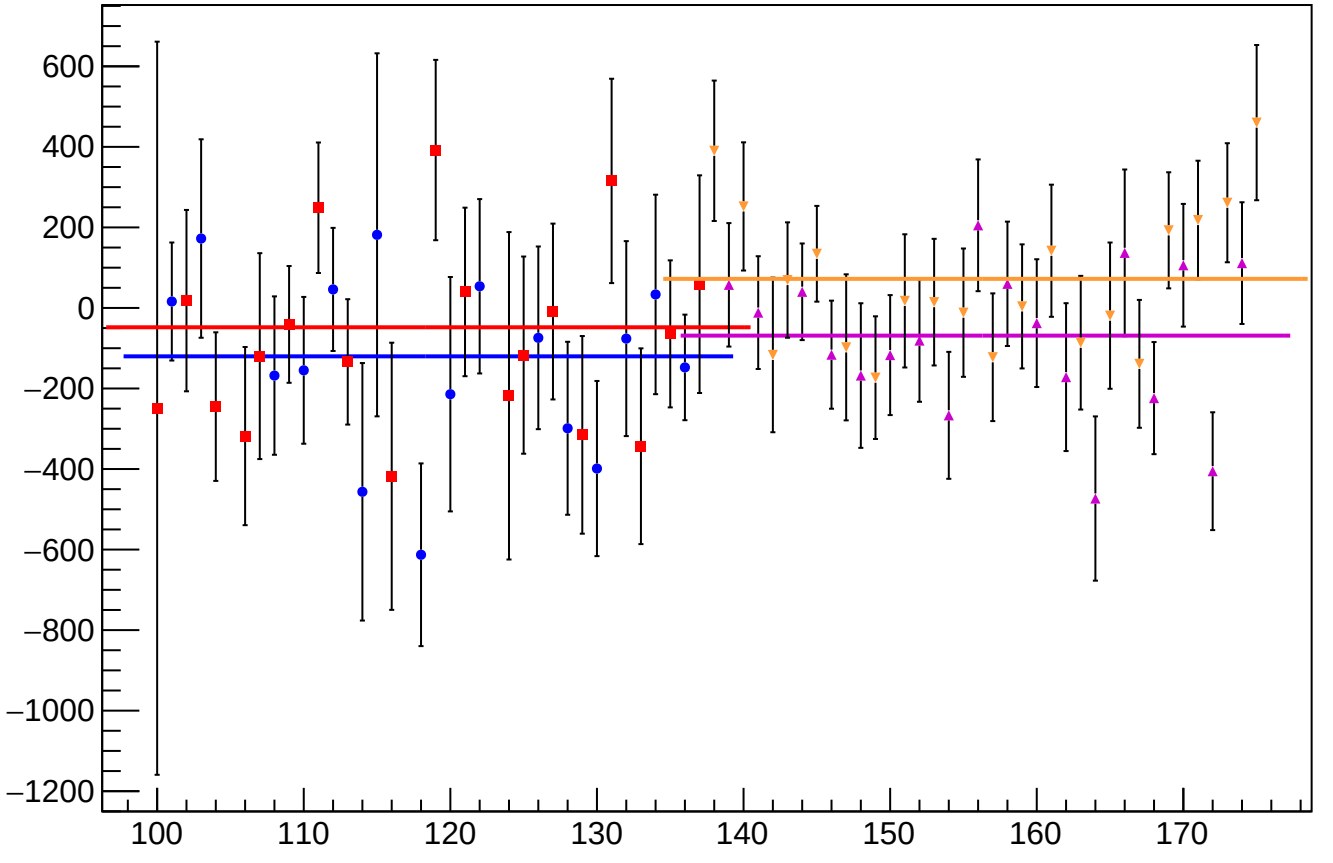
Left In: 1082.569+/-0.201 χ^2/NDF:666583.4/17

+ sign 1132.645+/-0.171 χ^2/NDF: 2230303.6/35

All: 1125.077+/-0.121 χ^2/NDF: 4413108.2/72

- sign 1117.453+/-0.172 χ^2/NDF: 2178894.4/36

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 72.256+/-35.330 χ^2/NDF:22.0/19

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

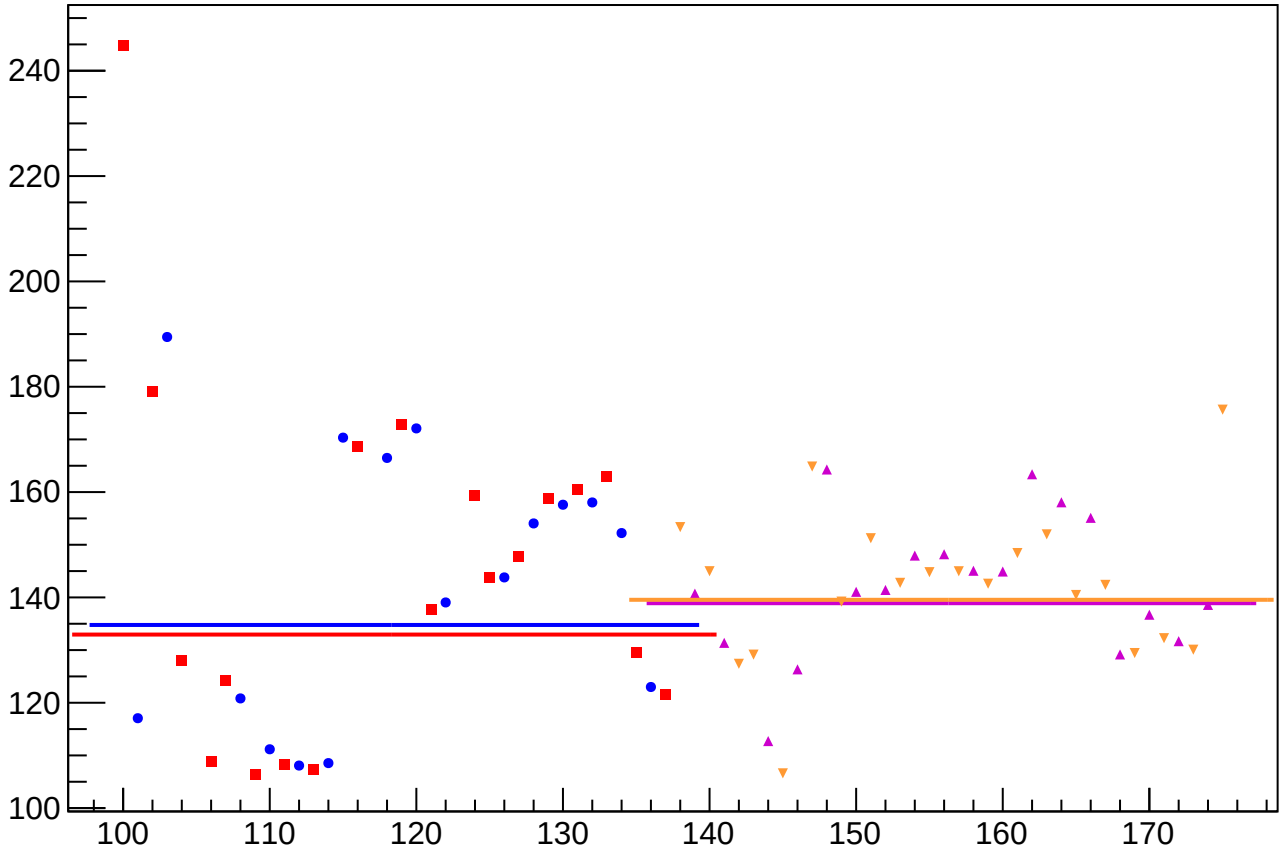
Left In: -68.715+/-36.286 χ^2/NDF:21.8/17

+ sign 10.027+/-29.061 χ^2/NDF: 45.0/35

All: -25.410+/-20.651 χ^2/NDF: 86.9/72

- sign -61.558+/-29.351 χ^2/NDF: 38.9/36

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.548+/-0.025 χ^2/NDF:352986.7/19

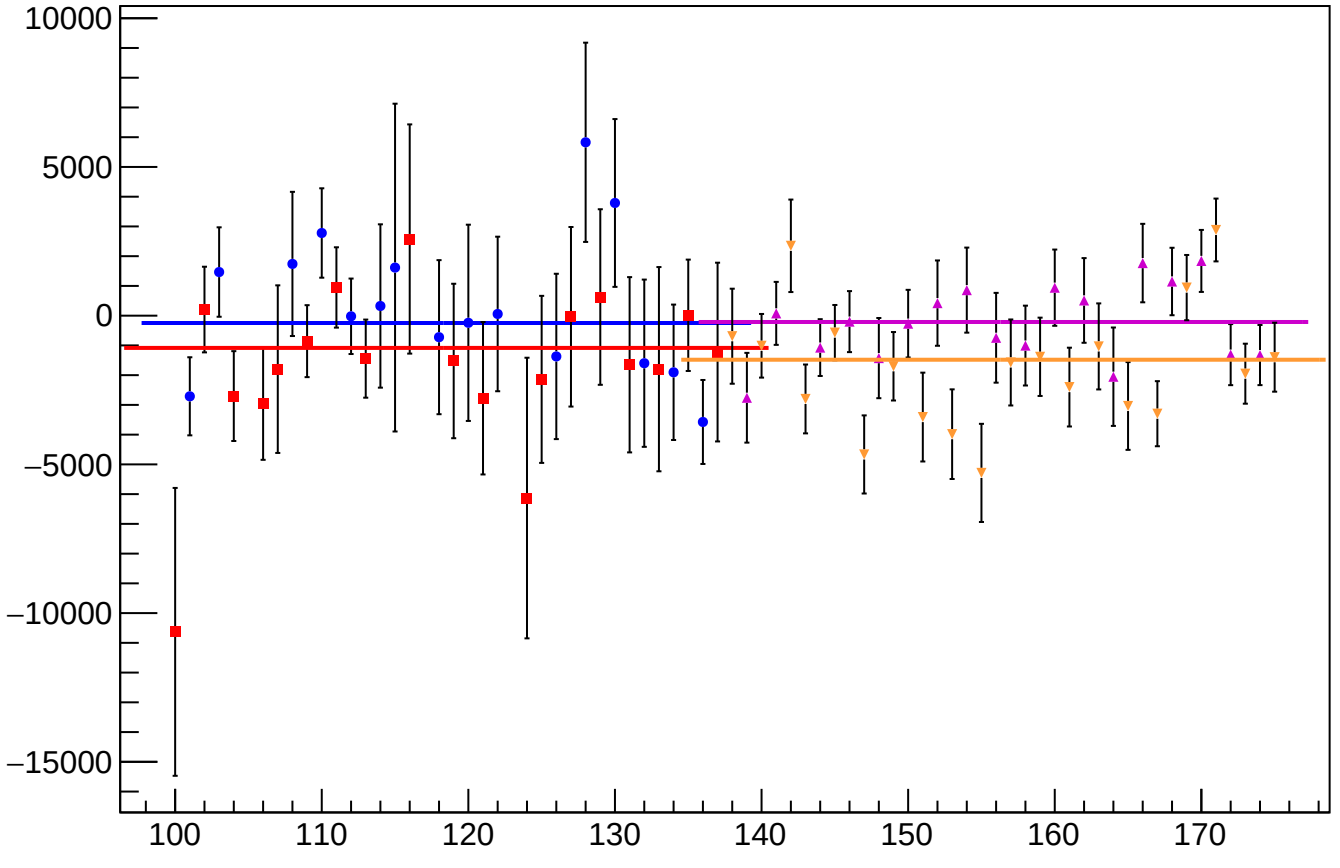
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 138.902+/-0.026 χ^2/NDF:259384.8/17

+ sign 138.003+/-0.021 χ^2/NDF: 781592.2/35

All: 137.429+/-0.015 χ^2/NDF: 1560026.0/72

- sign 136.843+/-0.021 χ^2/NDF: 776855.8/36



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1481.358+/-277.059 χ^2/NDF:51.1/19

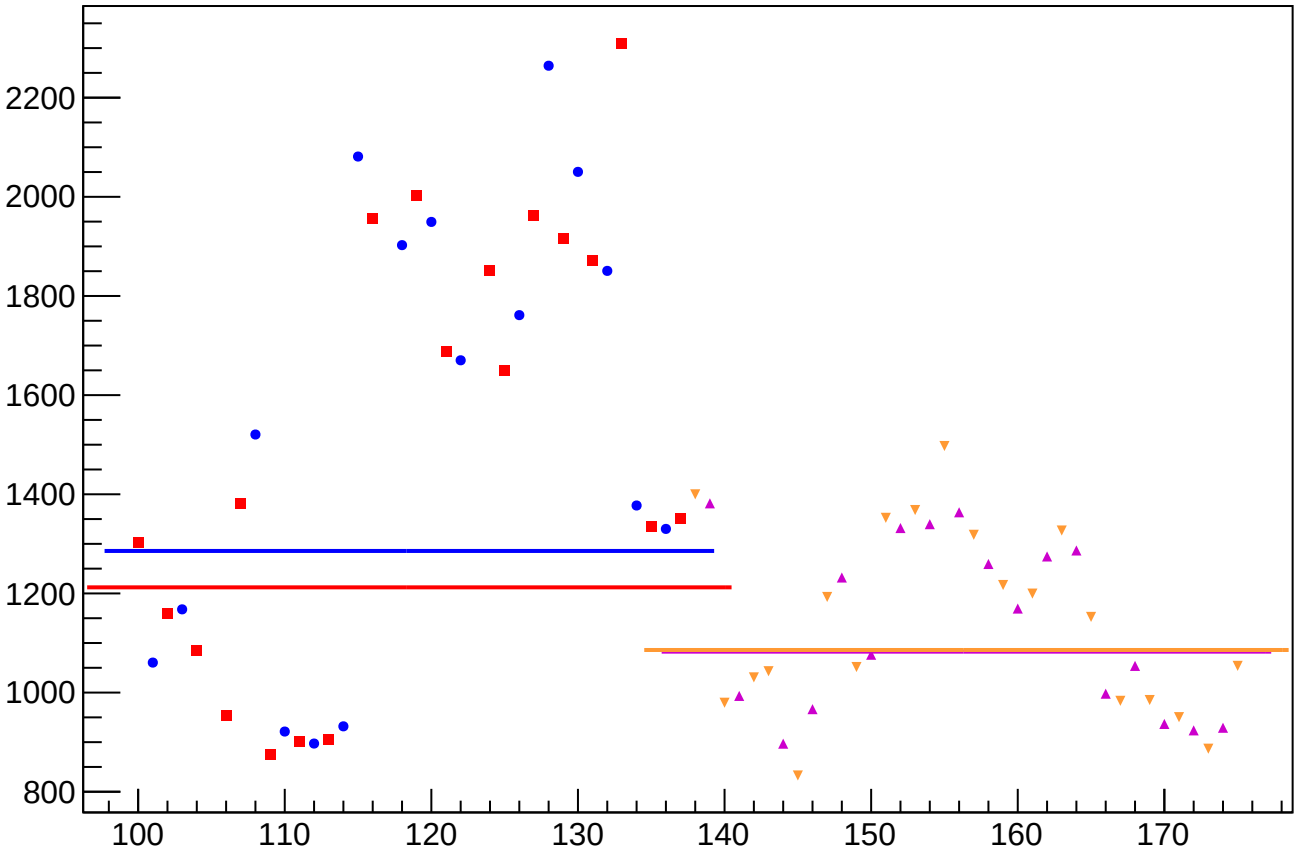
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -212.565+/-284.663 χ^2/NDF:18.0/17

\+ sign -1192.507+/-242.502 χ^2/NDF: 77.3/35

All: -821.099+/-171.789 χ^2/NDF: 115.3/72

\- sign -446.960+/-243.392 χ^2/NDF: 33.3/36



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1085.921+/-0.196 χ^2/NDF:816707.2/19

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

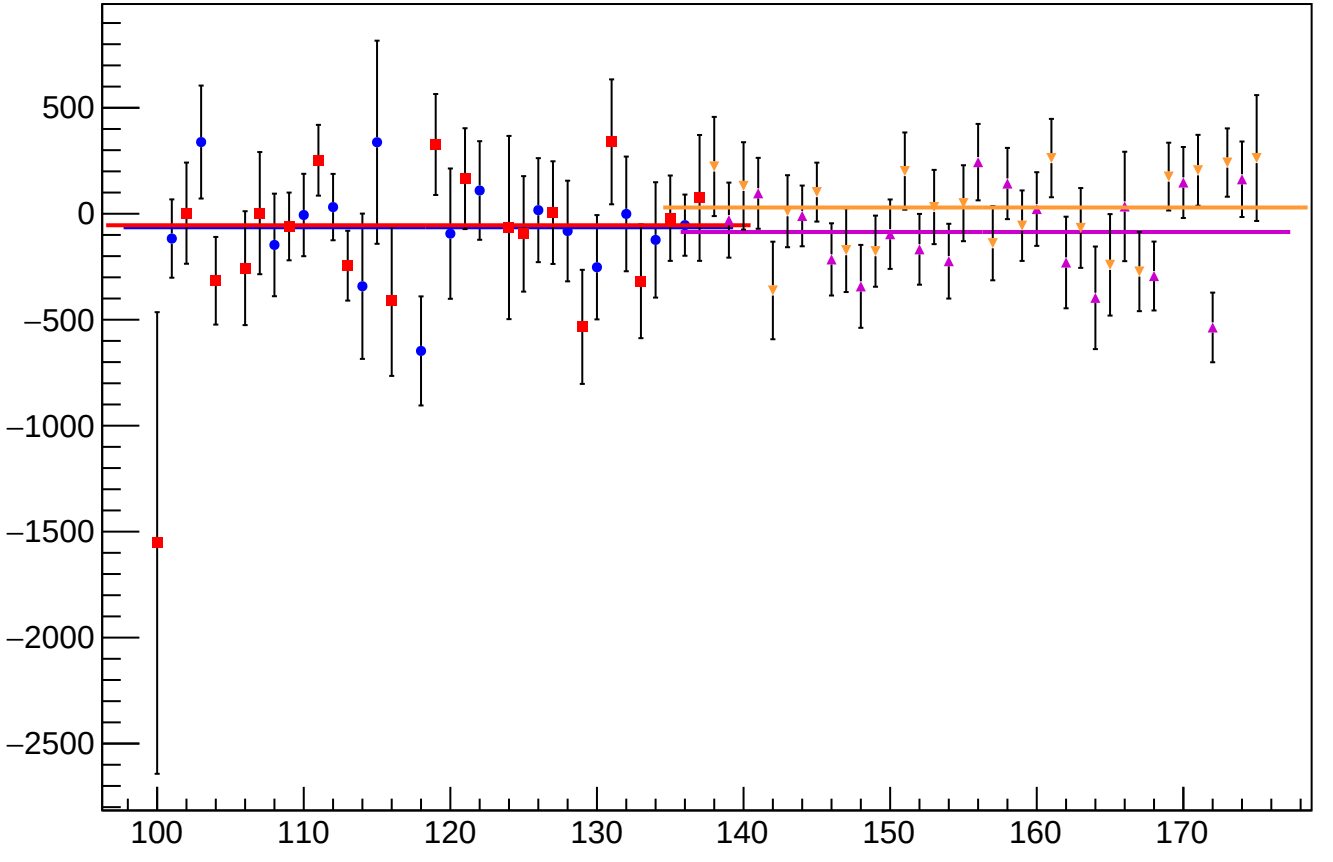
Left In: 1082.569+/-0.201 χ^2/NDF:666583.4/17

+ sign 1132.645+/-0.171 χ^2/NDF: 2230303.6/35

All: 1125.077+/-0.121 χ^2/NDF: 4413108.2/72

- sign 1117.453+/-0.172 χ^2/NDF: 2178894.4/36

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 29.540+/-40.864 χ^2/NDF:18.8/19

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

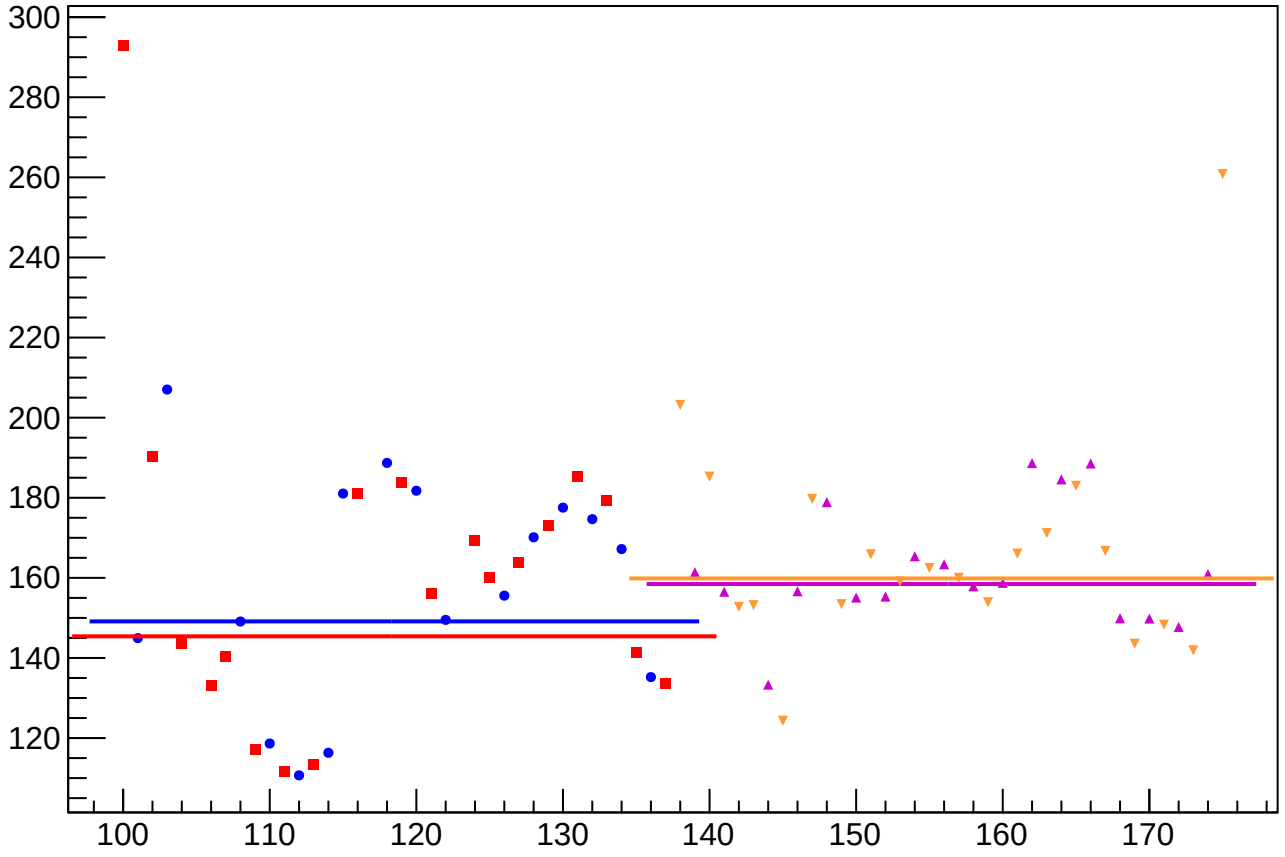
Left In: -86.156+/-41.635 χ^2/NDF:25.6/17

+ sign -2.337+/-33.158 χ^2/NDF: 31.4/35

All: -38.431+/-23.440 χ^2/NDF: 79.1/72

- sign -74.484+/-33.139 χ^2/NDF: 45.4/36

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 159.854+/-0.029 χ^2/NDF:580031.8/19

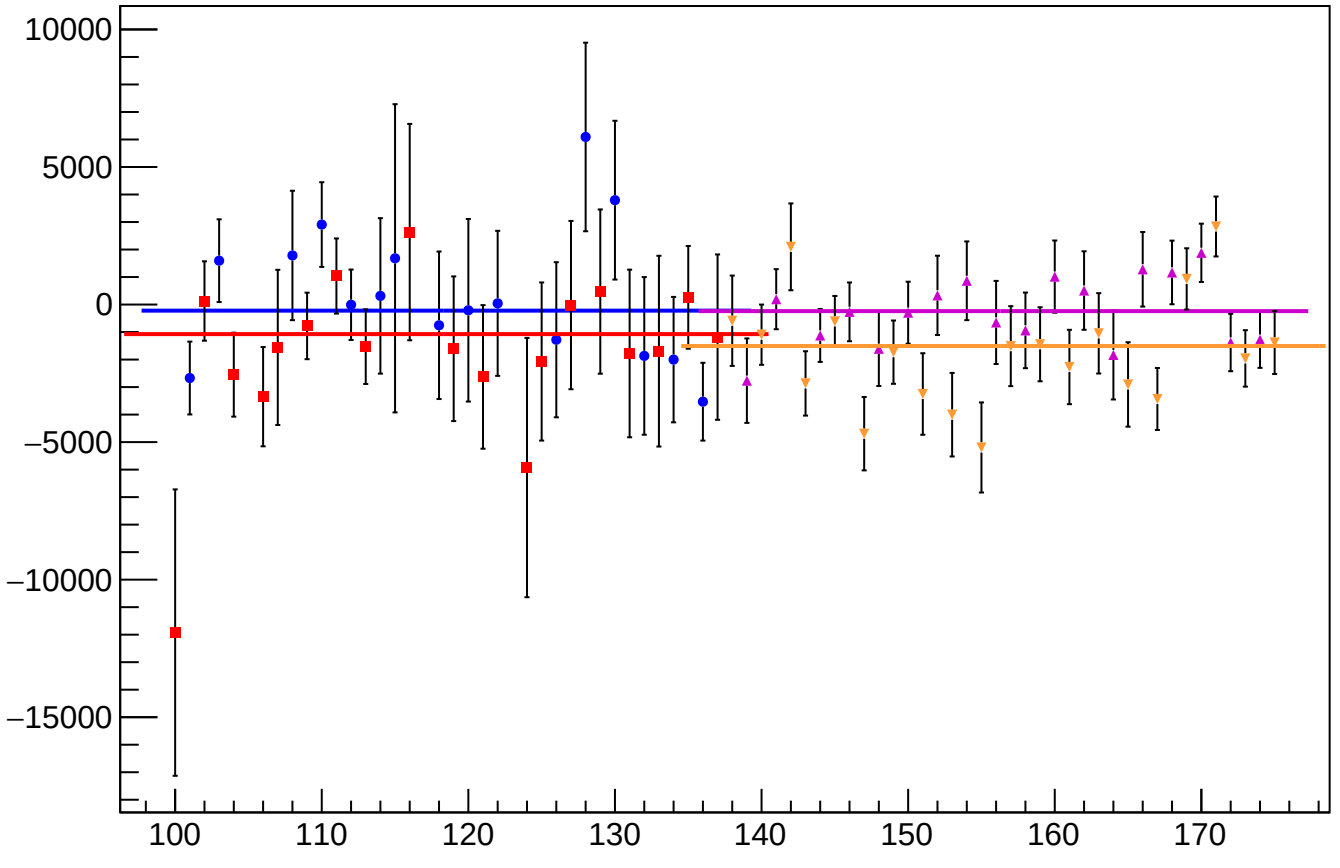
Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 158.460+/-0.029 χ^2/NDF:199885.9/17

+ sign 156.191+/-0.023 χ^2/NDF: 1078083.3/35

All: 154.932+/-0.017 χ^2/NDF: 1881679.2/72

- sign 153.673+/-0.023 χ^2/NDF: 797827.8/36



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1507.575+/-280.549 χ^2/NDF:48.0/19

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

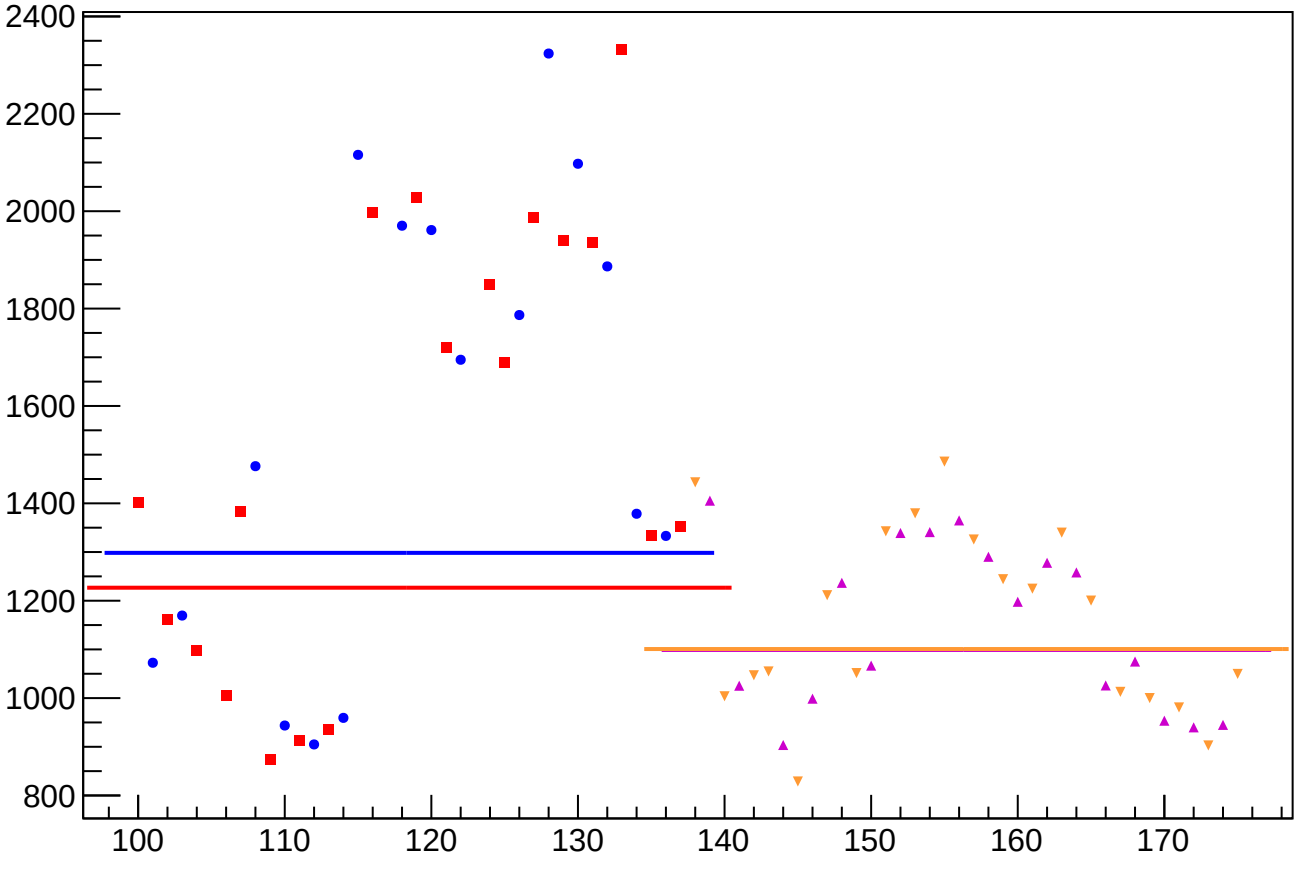
Left In: -238.698+/-288.761 χ^2/NDF:16.9/17

+ sign -1205.305+/-245.382 χ^2/NDF: 74.8/35

All: -837.105+/-173.883 χ^2/NDF: 112.1/72

- sign -465.734+/-246.437 χ^2/NDF: 32.8/36

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1100.774+/-0.198 χ^2/NDF:811119.9/19

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

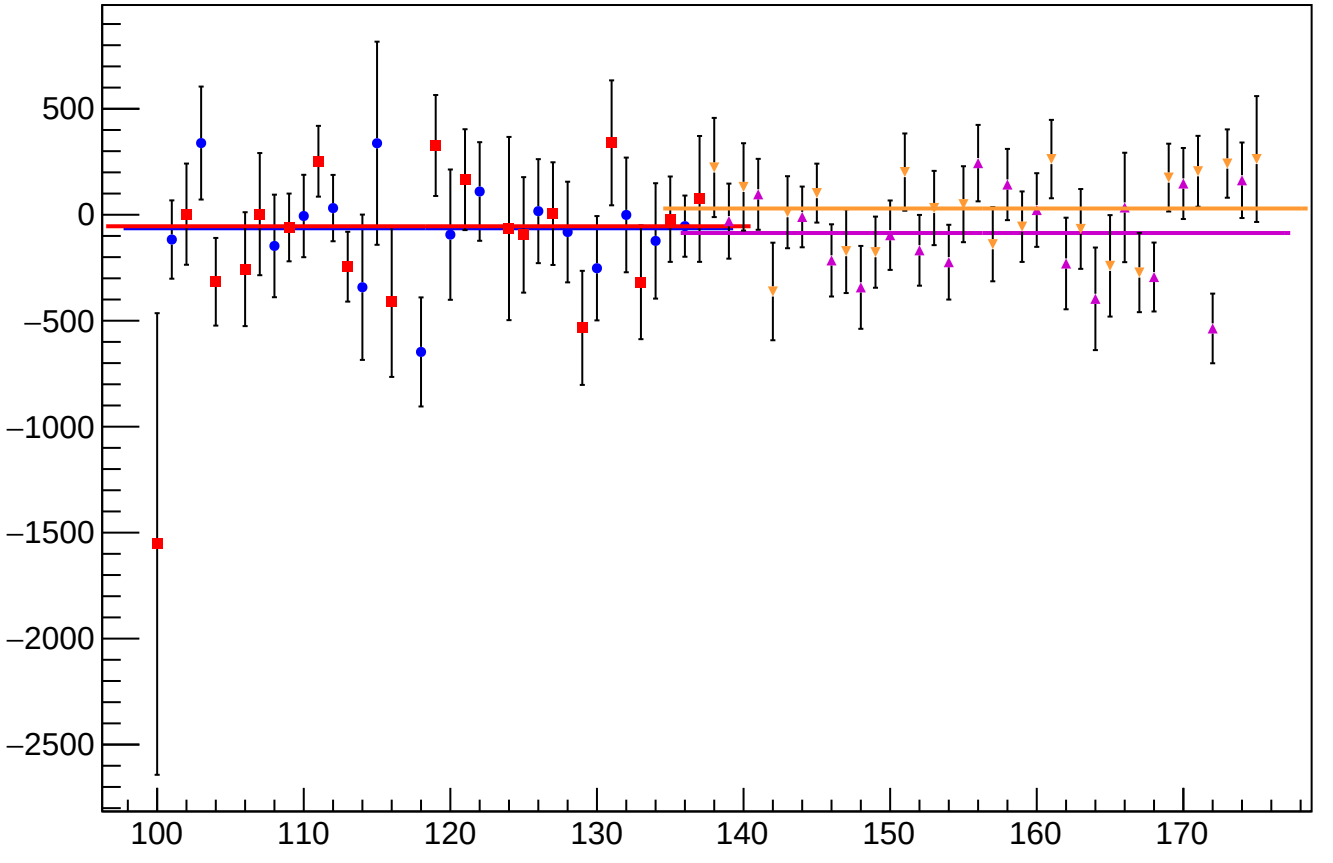
Left In: 1098.831+/-0.204 χ^2/NDF:622483.7/17

+ sign 1147.188+/-0.174 χ^2/NDF: 2226198.2/35

All: 1140.411+/-0.123 χ^2/NDF: 4362854.4/72

- sign 1133.576+/-0.174 χ^2/NDF: 2133592.2/36

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 29.543+/-40.864 χ^2/NDF:18.8/19

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

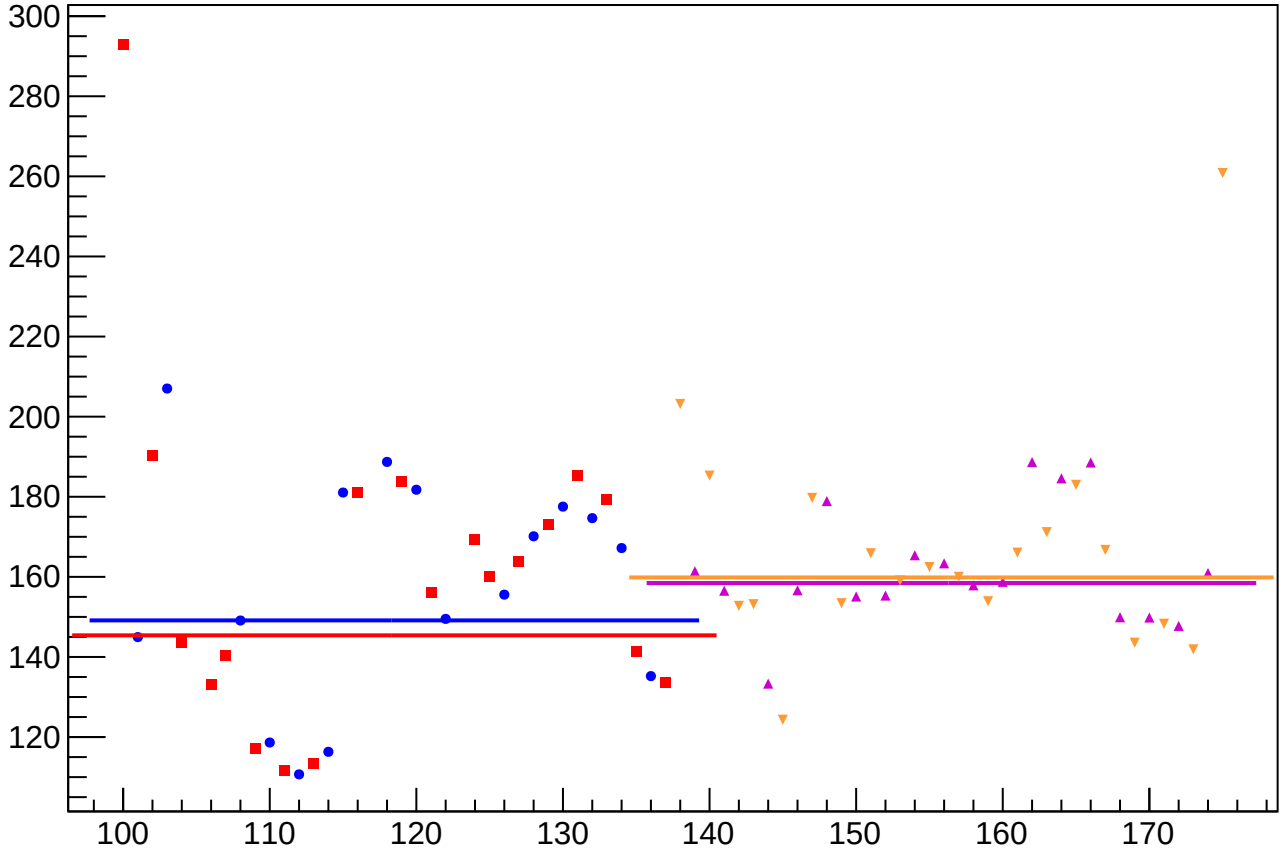
Left In: -86.156+/-41.635 χ^2/NDF:25.6/17

+ sign -2.334+/-33.158 χ^2/NDF: 31.4/35

All: -38.429+/-23.440 χ^2/NDF: 79.1/72

- sign -74.483+/-33.139 χ^2/NDF: 45.4/36

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 159.854+/-0.029 χ^2/NDF:580026.5/19

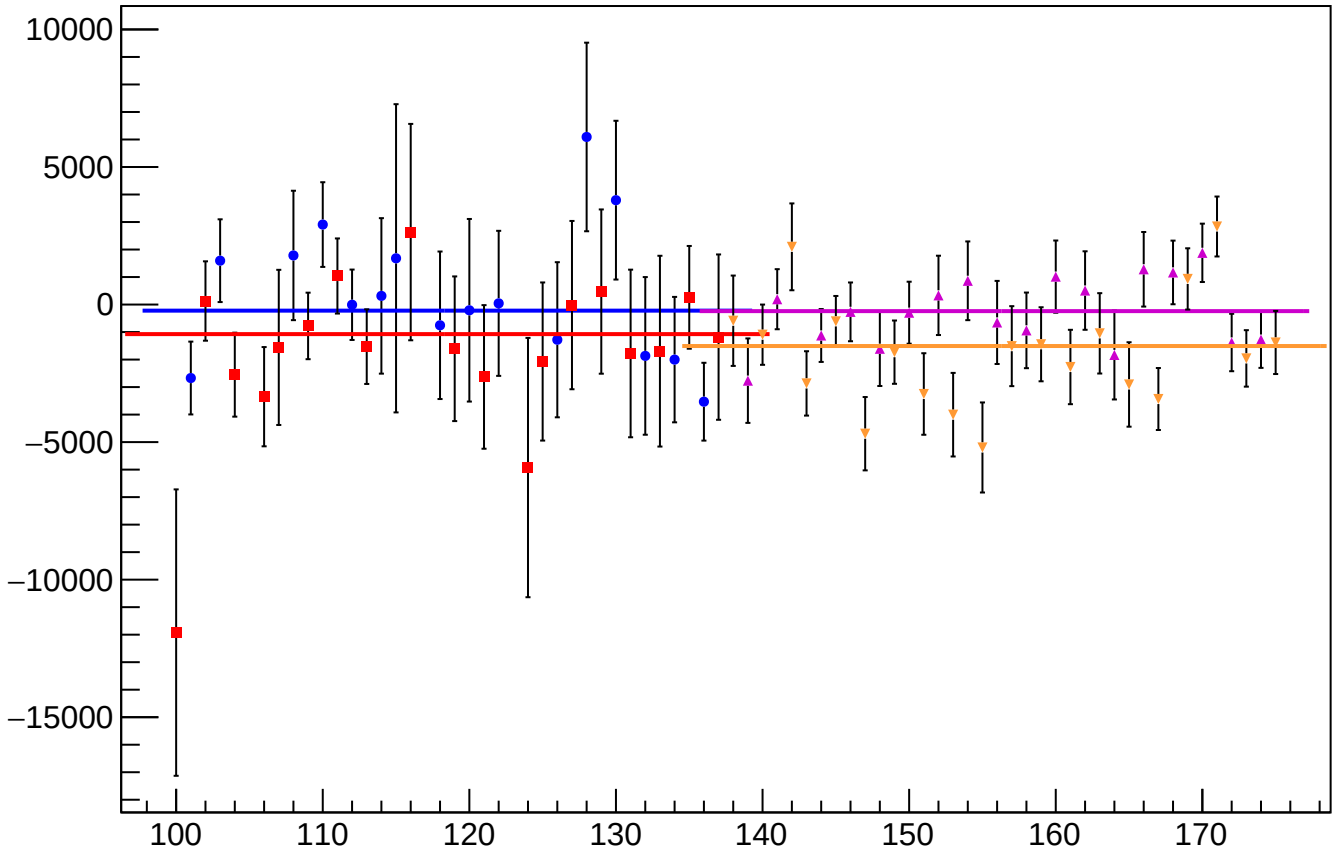
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 158.460+/-0.029 χ^2/NDF:199884.6/17

+ sign 156.191+/-0.023 χ^2/NDF: 1078082.4/35

All: 154.932+/-0.017 χ^2/NDF: 1881683.1/72

- sign 153.674+/-0.023 χ^2/NDF: 797832.3/36



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1507.572+/-280.548 χ^2/NDF:48.0/19

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

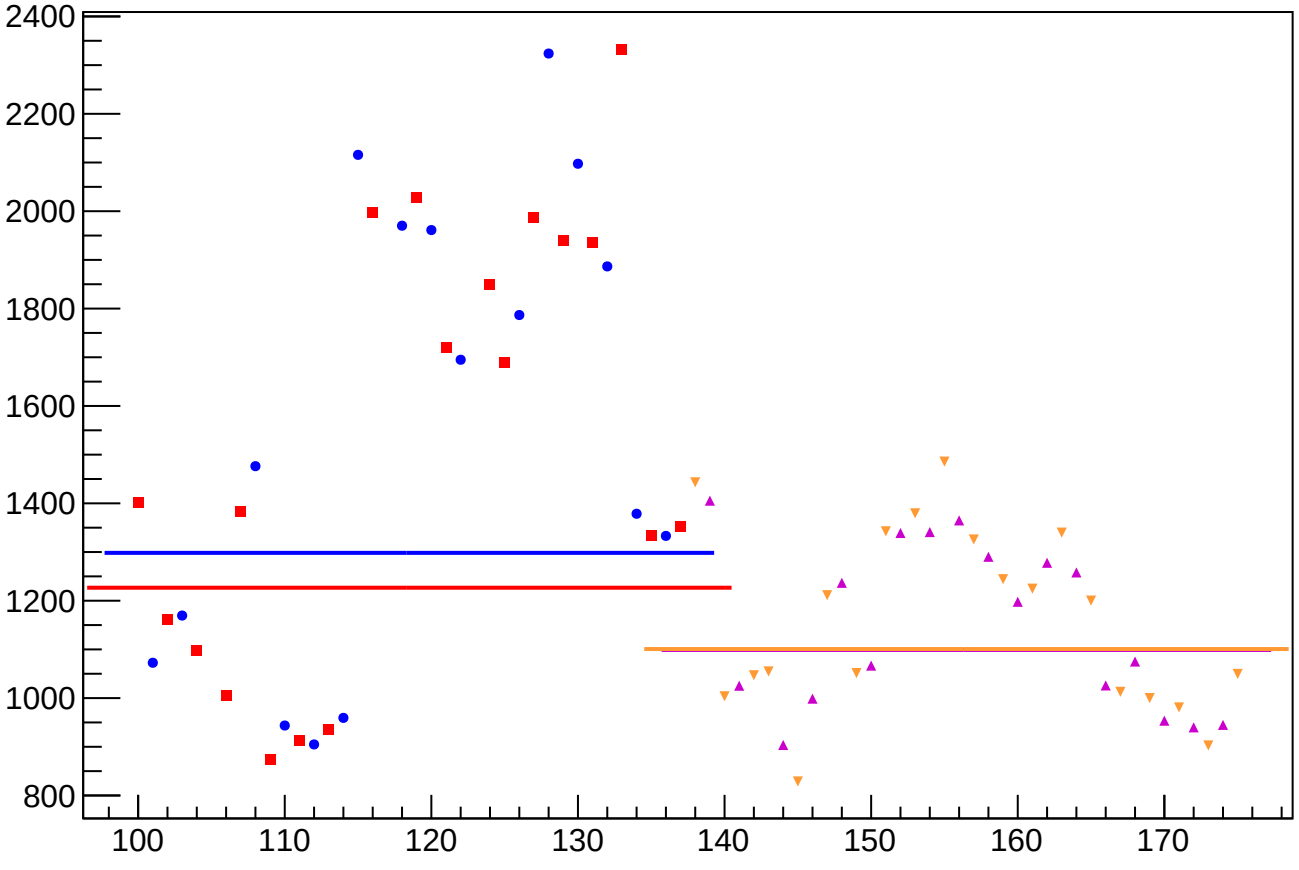
Left In: -238.696+/-288.761 χ^2/NDF:16.9/17

+ sign -1205.303+/-245.382 χ^2/NDF: 74.8/35

All: -837.103+/-173.883 χ^2/NDF: 112.1/72

- sign -465.732+/-246.437 χ^2/NDF: 32.8/36

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1100.772+/-0.198 χ^2/NDF:811123.9/19

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

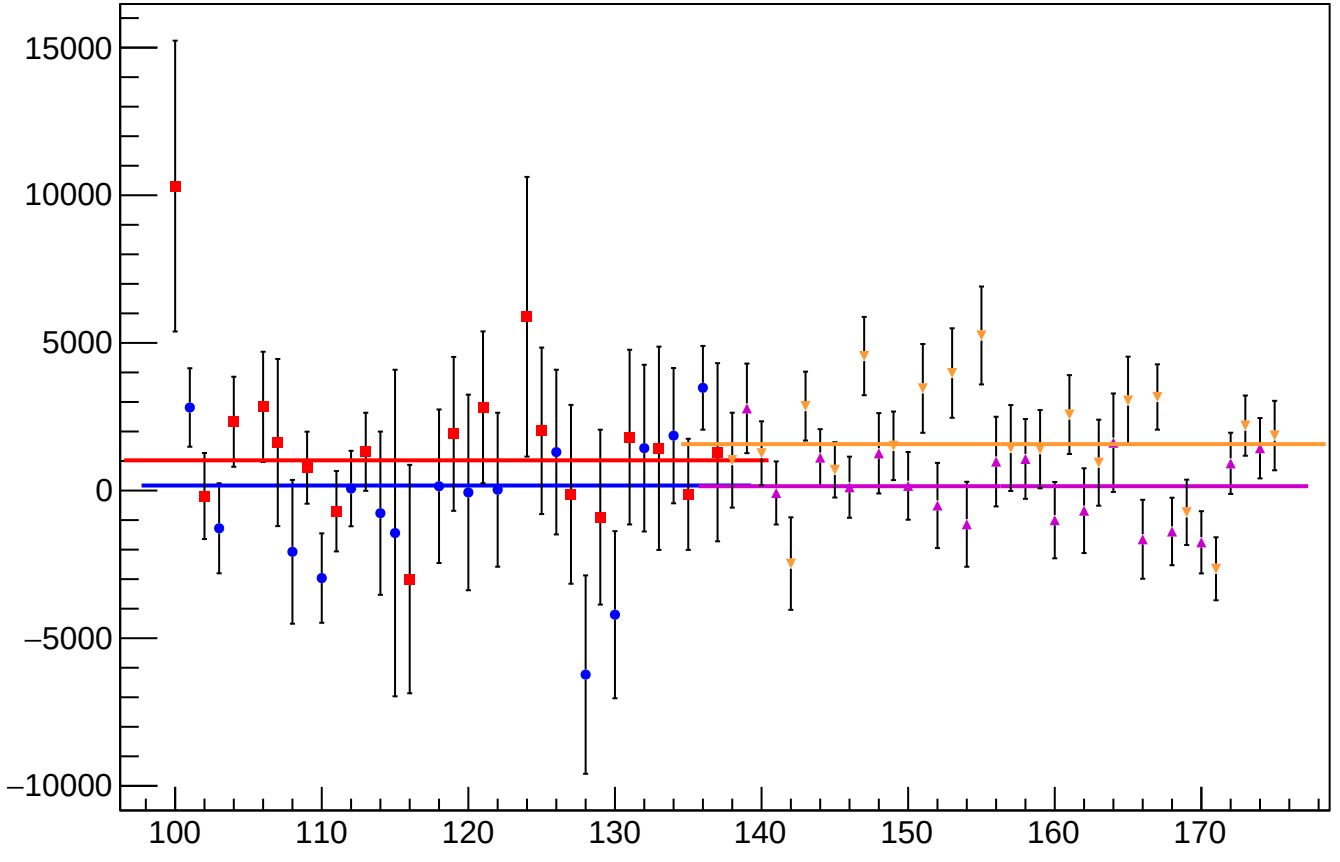
Left In: 1098.829+/-0.204 χ^2/NDF:622485.0/17

+ sign 1147.186+/-0.174 χ^2/NDF: 2226207.5/35

All: 1140.409+/-0.123 χ^2/NDF: 4362868.9/72

- sign 1133.574+/-0.174 χ^2/NDF: 2133597.3/36

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1572.503+/-279.508 χ^2/NDF:47.3/19

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

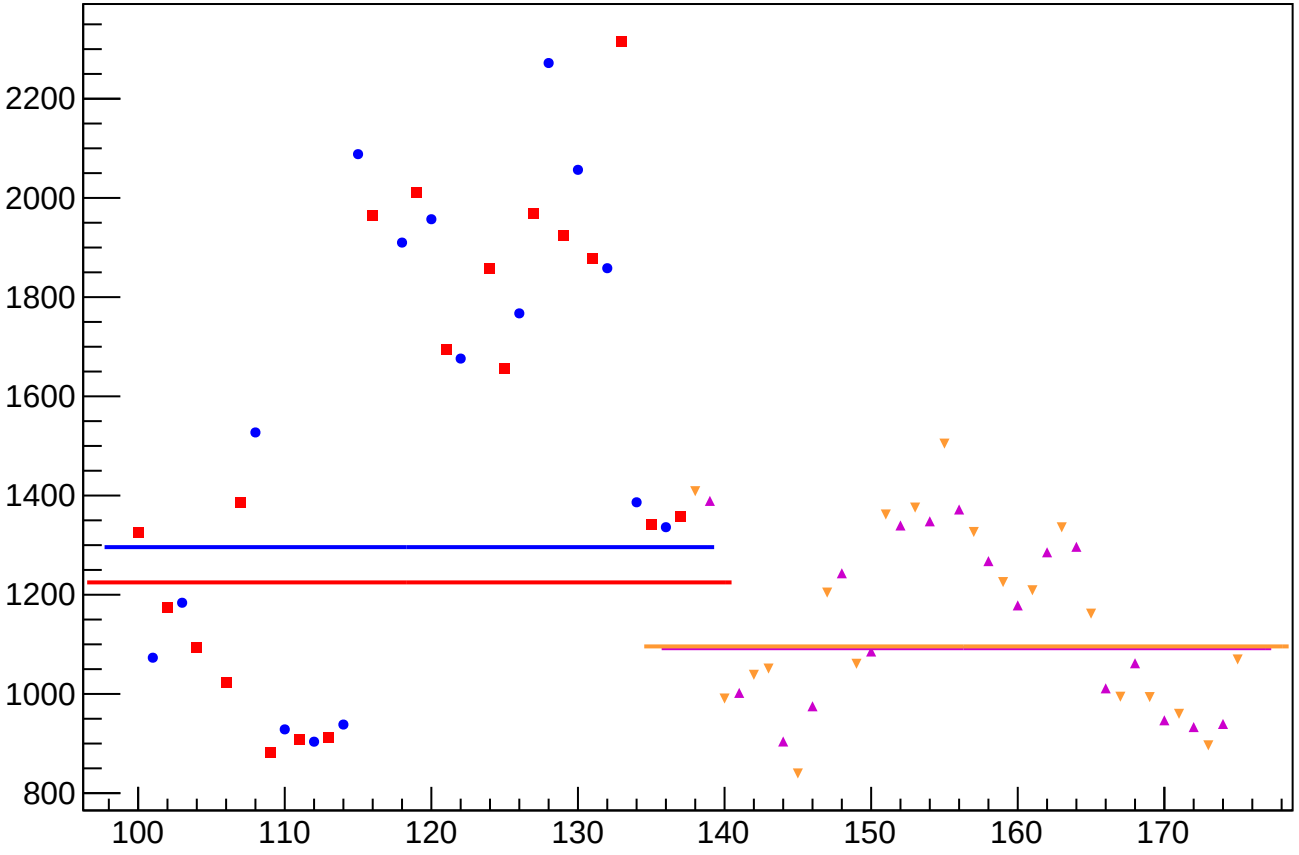
Left In: 147.586+/-287.136 χ^2/NDF:17.4/17

+ sign 1243.994+/-244.564 χ^2/NDF: 75.8/35

All: 815.423+/-173.197 χ^2/NDF: 113.5/72

- sign 384.230+/-245.311 χ^2/NDF: 31.5/36

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1095.818+/-0.198 χ^2/NDF:803369.3/19

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

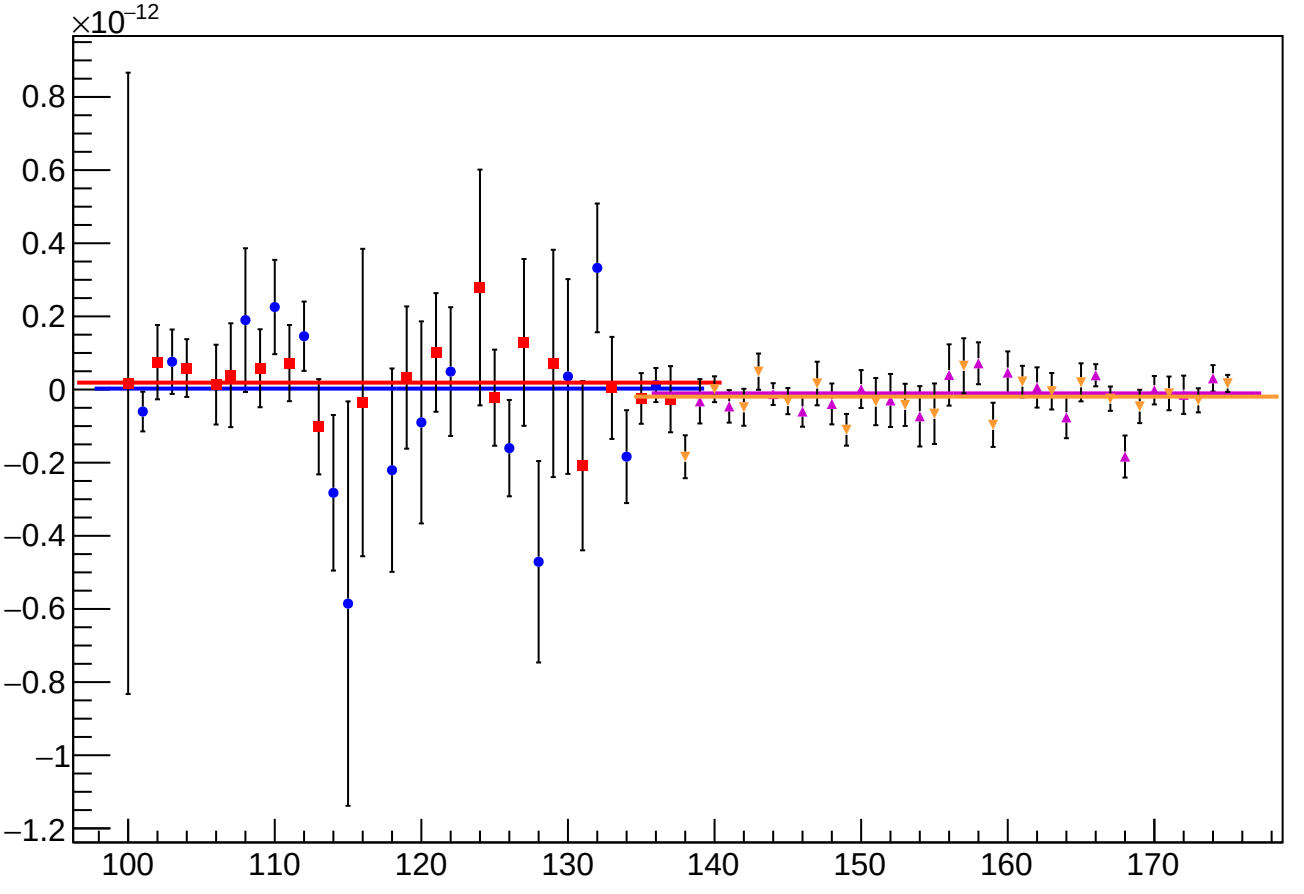
Left In: 1092.224+/-0.203 χ^2/NDF:655065.2/17

+ sign 1142.739+/-0.173 χ^2/NDF: 2197995.4/35

All: 1135.418+/-0.122 χ^2/NDF: 4343230.9/72

- sign 1128.053+/-0.173 χ^2/NDF: 2141640.7/36

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

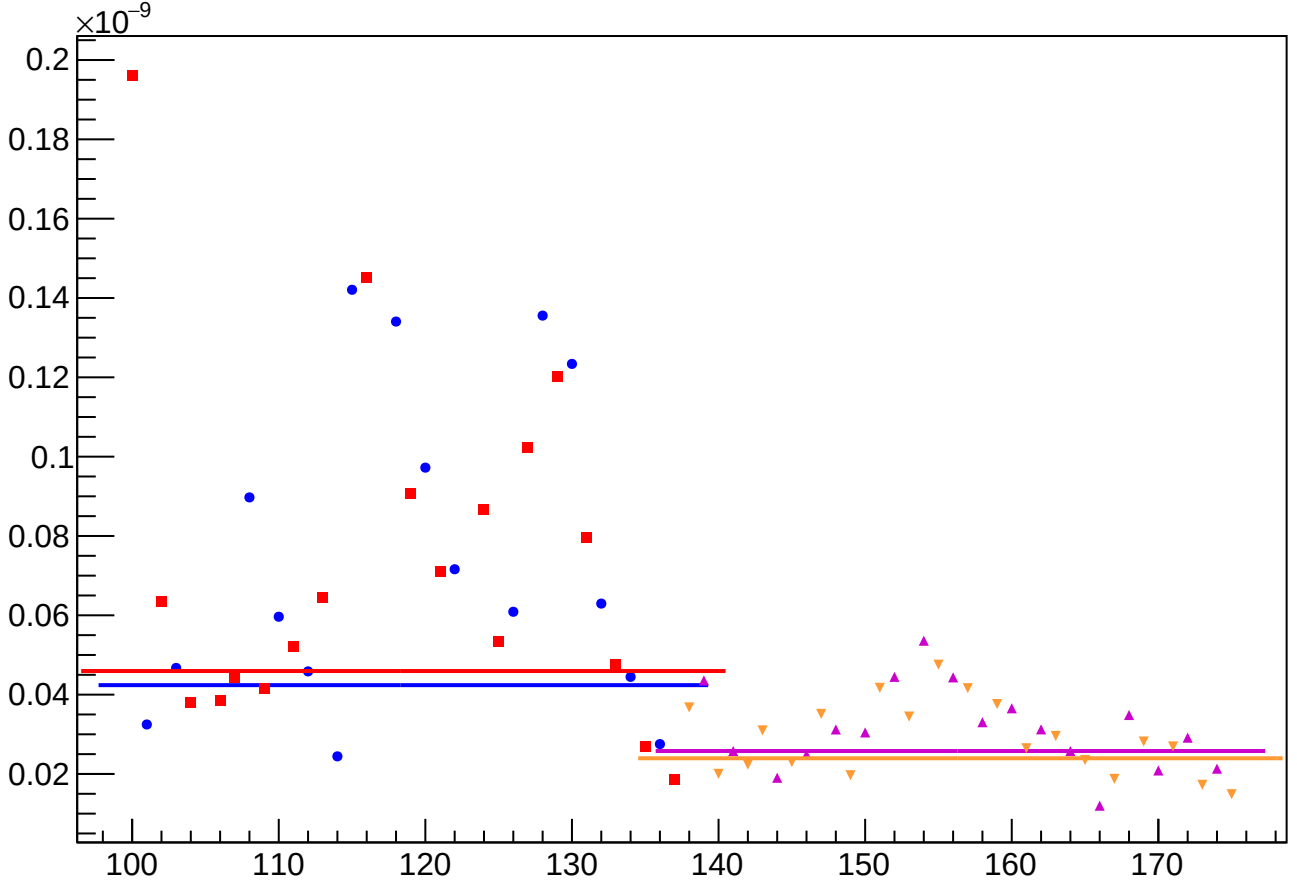
Left In: -0.000+/-0.000 χ^2/NDF:21.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 45.9/35

All: -0.000+/-0.000 χ^2/NDF: 73.1/72

- sign -0.000+/-0.000 χ^2/NDF: 26.7/36

asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1340105.2/19

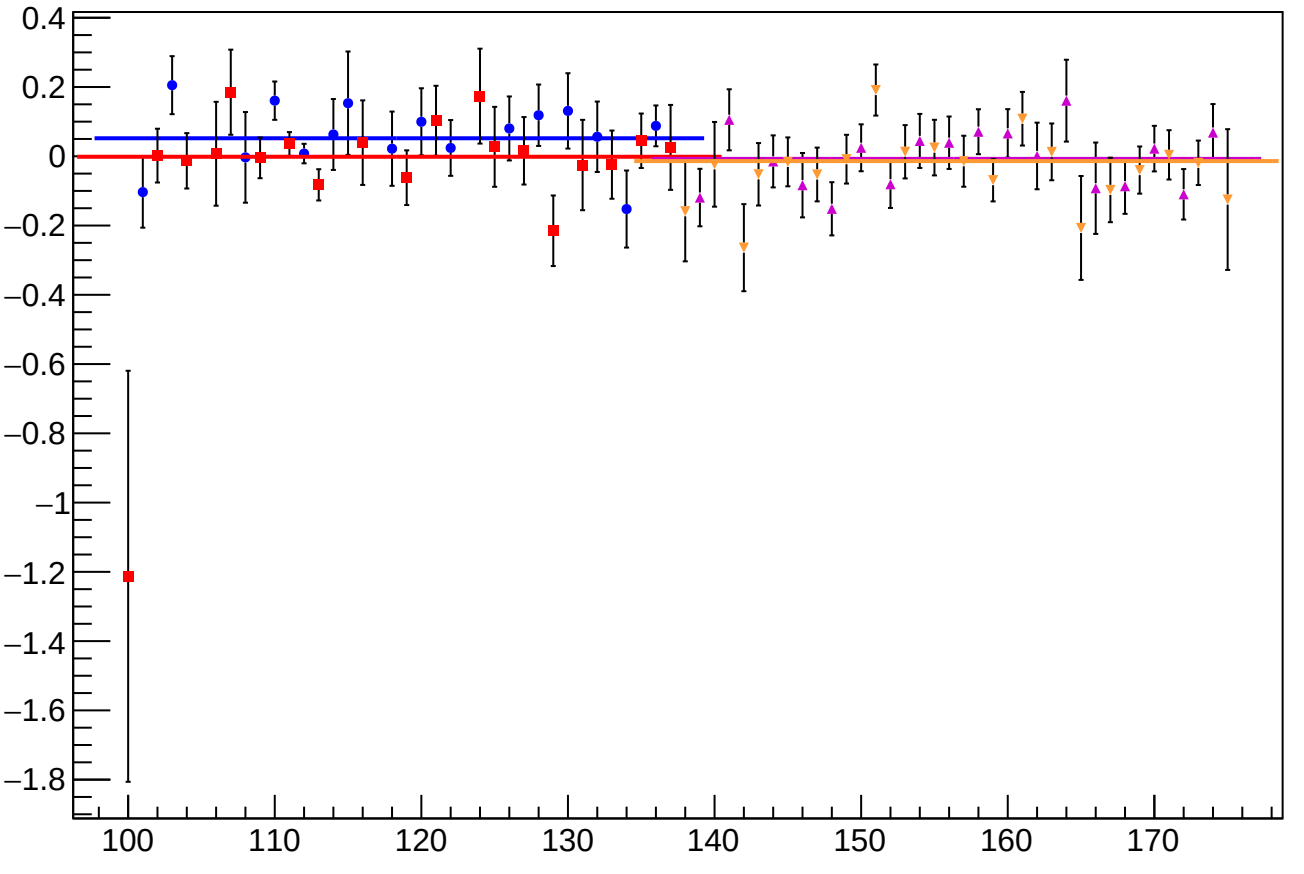
Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1424571.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 3516067.1/35

All: 0.000+/-0.000 χ^2/NDF: 6963087.4/72

- sign 0.000+/-0.000 χ^2/NDF: 3392393.8/36



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.018 χ^2/NDF:19.9/19

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

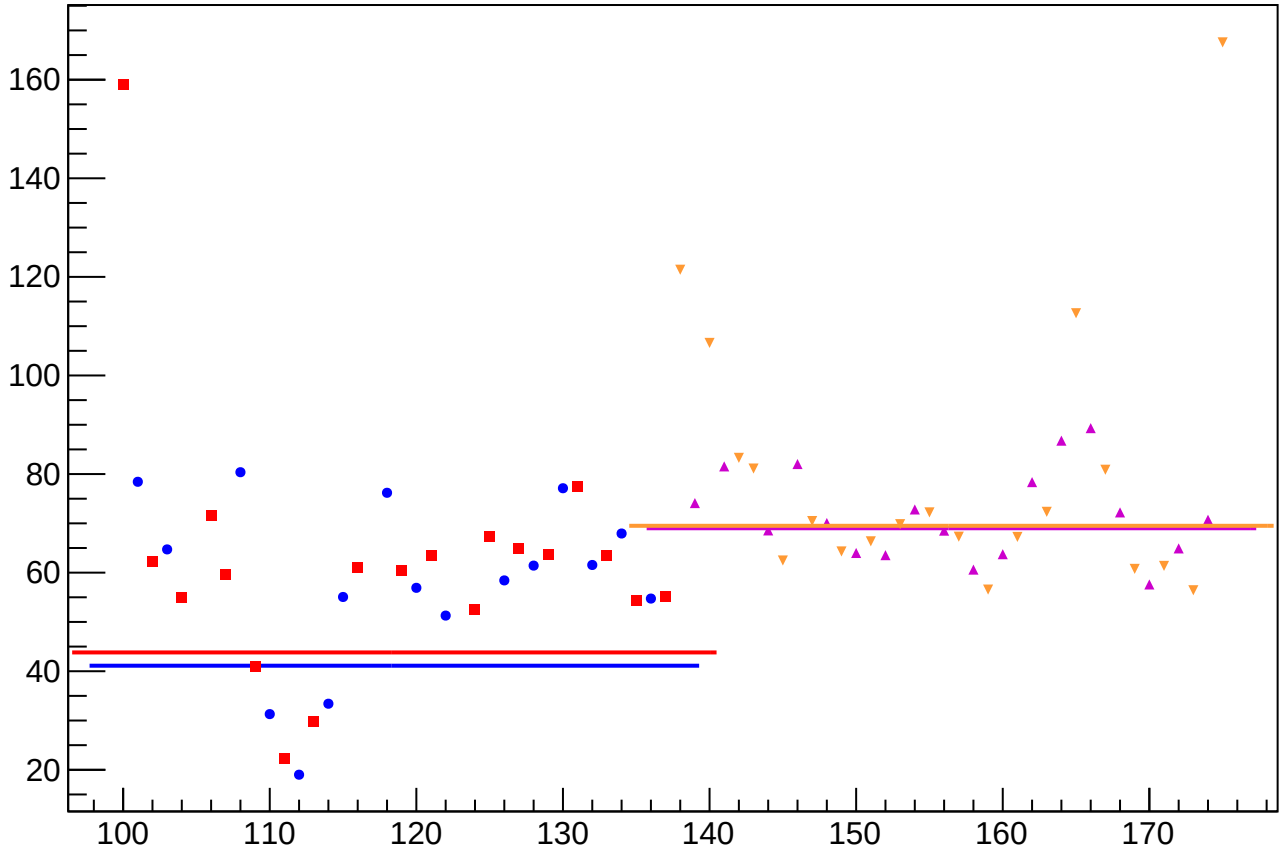
Left In: -0.007+/-0.019 χ^2/NDF:18.8/17

+ sign 0.020+/-0.013 χ^2/NDF: 44.5/35

All: 0.008+/-0.009 χ^2/NDF: 84.5/72

- sign -0.004+/-0.013 χ^2/NDF: 38.1/36

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 69.504+/-0.013 χ^2/NDF:1433869.9/19

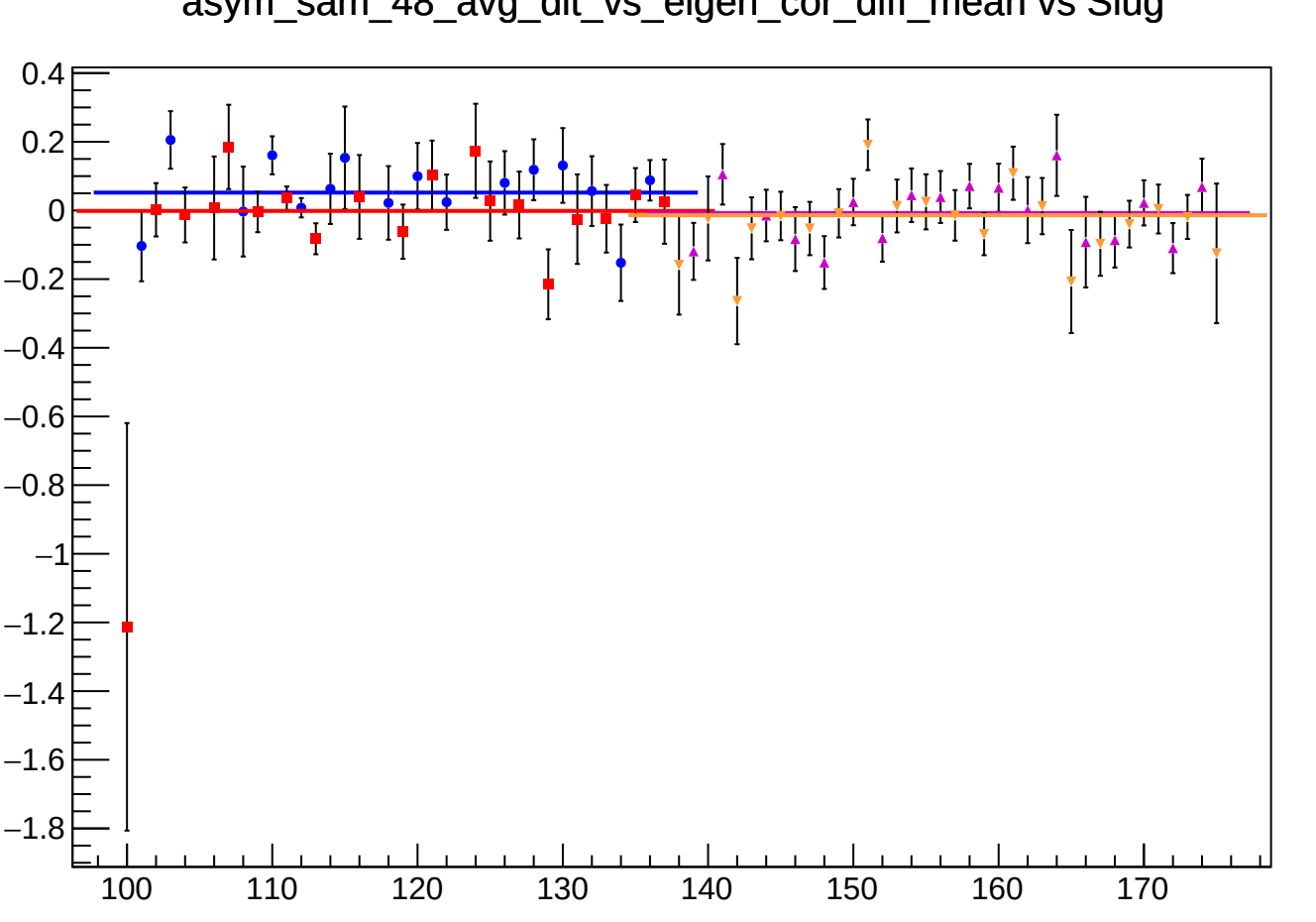
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.004+/-0.013 χ^2/NDF:343079.2/17

+ sign 54.887+/-0.009 χ^2/NDF: 6833464.2/35

All: 55.430+/-0.006 χ^2/NDF: 11140234.8/72

- sign 55.984+/-0.009 χ^2/NDF: 4299441.8/36



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.018 χ^2/NDF:19.9/19

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

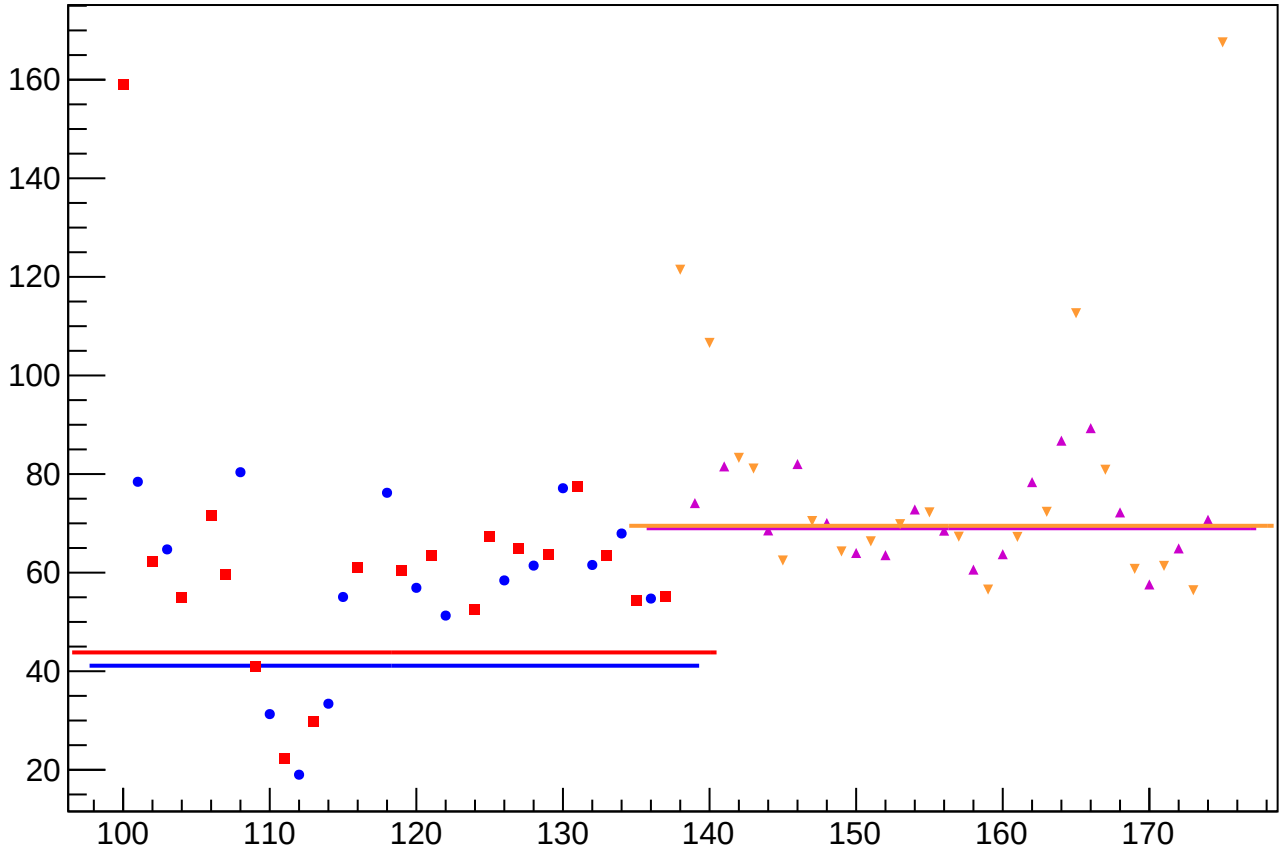
Left In: -0.007+/-0.019 χ^2/NDF:18.8/17

+ sign 0.020+/-0.013 χ^2/NDF: 44.5/35

All: 0.008+/-0.009 χ^2/NDF: 84.5/72

- sign -0.004+/-0.013 χ^2/NDF: 38.1/36

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 69.504+/-0.013 χ^2/NDF:1433869.9/19

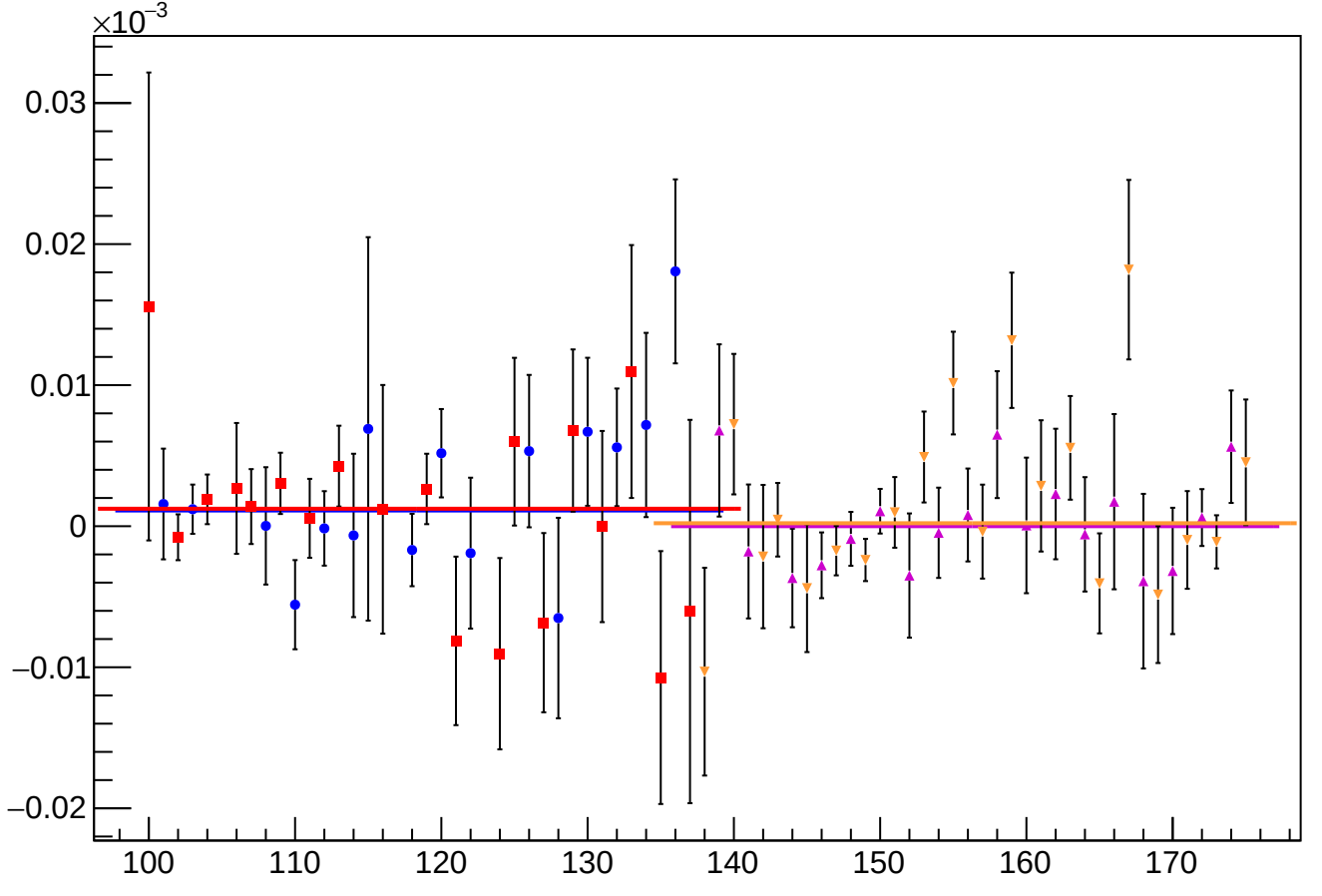
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.004+/-0.013 χ^2/NDF:343079.2/17

+ sign 54.887+/-0.009 χ^2/NDF: 6833464.2/35

All: 55.430+/-0.006 χ^2/NDF: 11140234.8/72

- sign 55.984+/-0.009 χ^2/NDF: 4299441.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.1/19

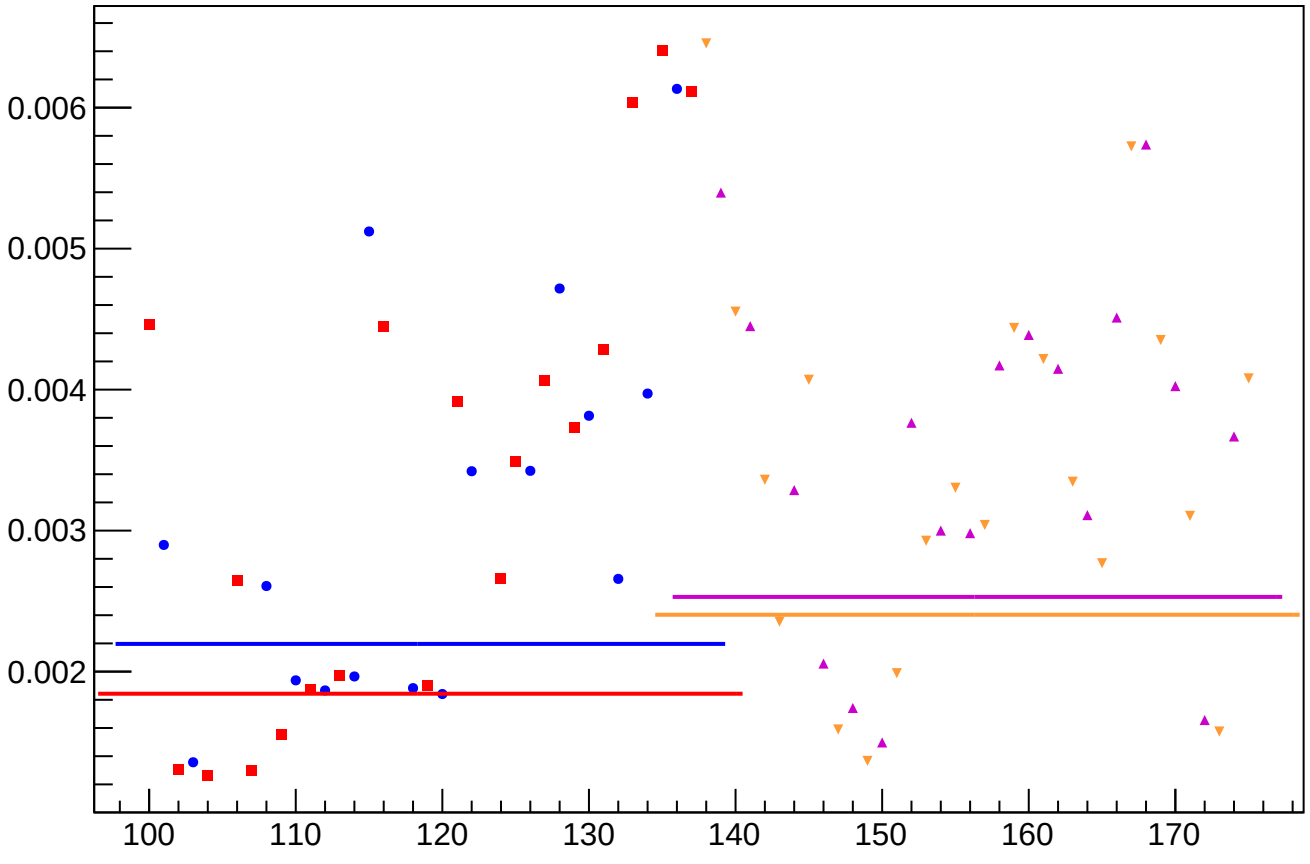
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 61.6/35

All: 0.000+/-0.000 χ^2/NDF: 89.6/72

- sign 0.000+/-0.000 χ^2/NDF: 28.0/36



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:5452004.7/19

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

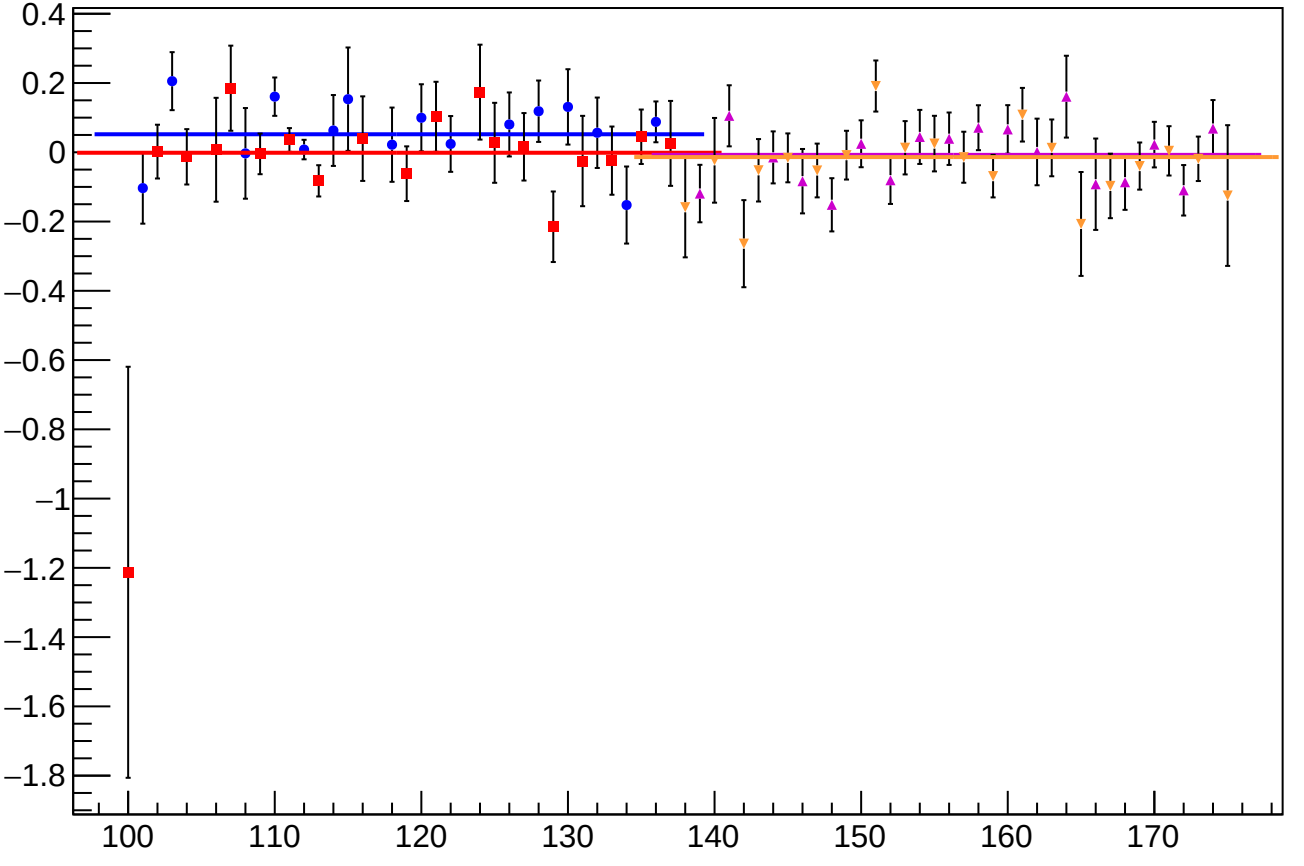
Left In: 0.003+/-0.000 χ^2/NDF:4726666.2/17

+ sign 0.002+/-0.000 χ^2/NDF: 7811949.7/35

All: 0.002+/-0.000 χ^2/NDF: 16575969.8/72

- sign 0.002+/-0.000 χ^2/NDF: 8705562.0/36

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.018 χ^2/NDF:19.9/19

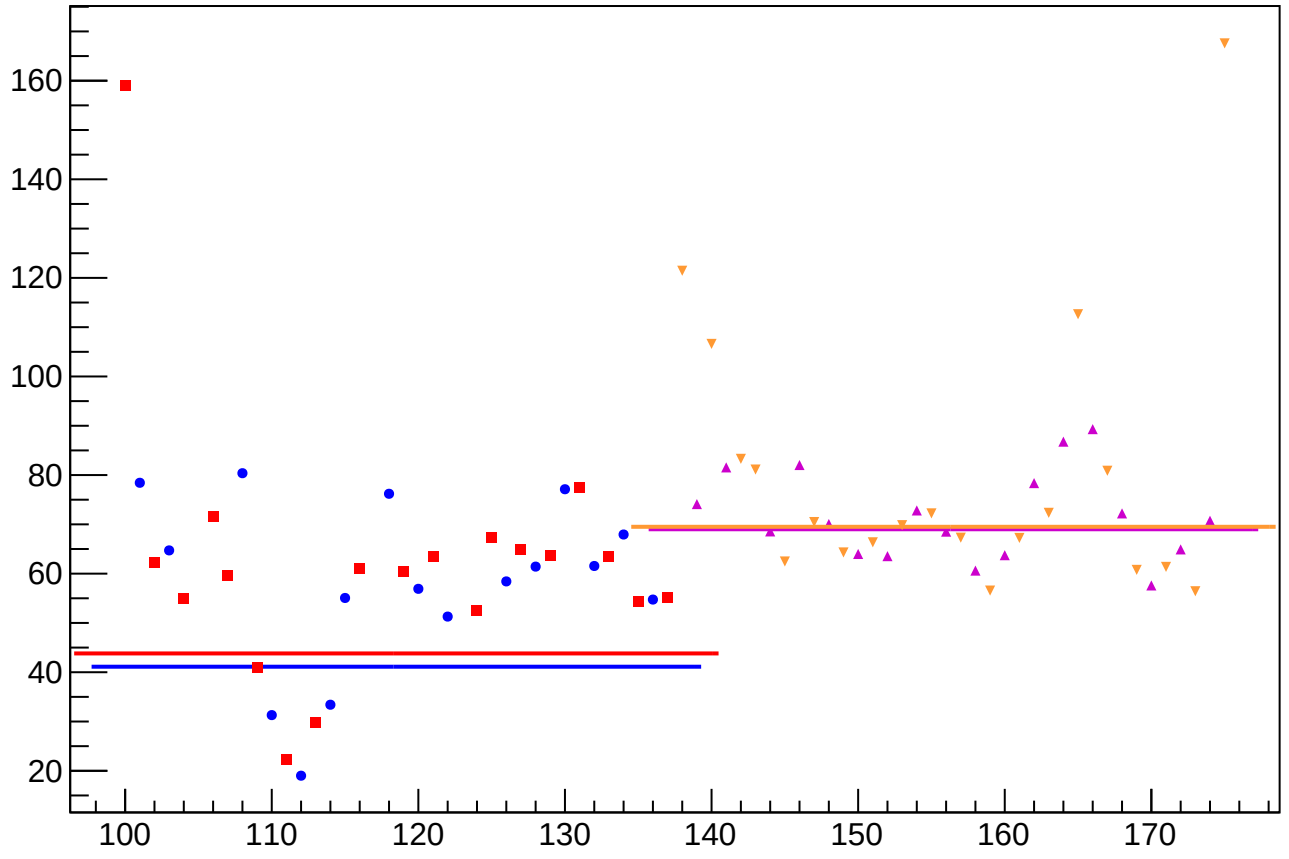
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.007+/-0.019 χ^2/NDF:18.8/17

+ sign 0.020+/-0.013 χ^2/NDF: 44.5/35

All: 0.008+/-0.009 χ^2/NDF: 84.5/72

- sign -0.004+/-0.013 χ^2/NDF: 38.1/36



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 69.504+/-0.013 χ^2/NDF:1433845.5/19

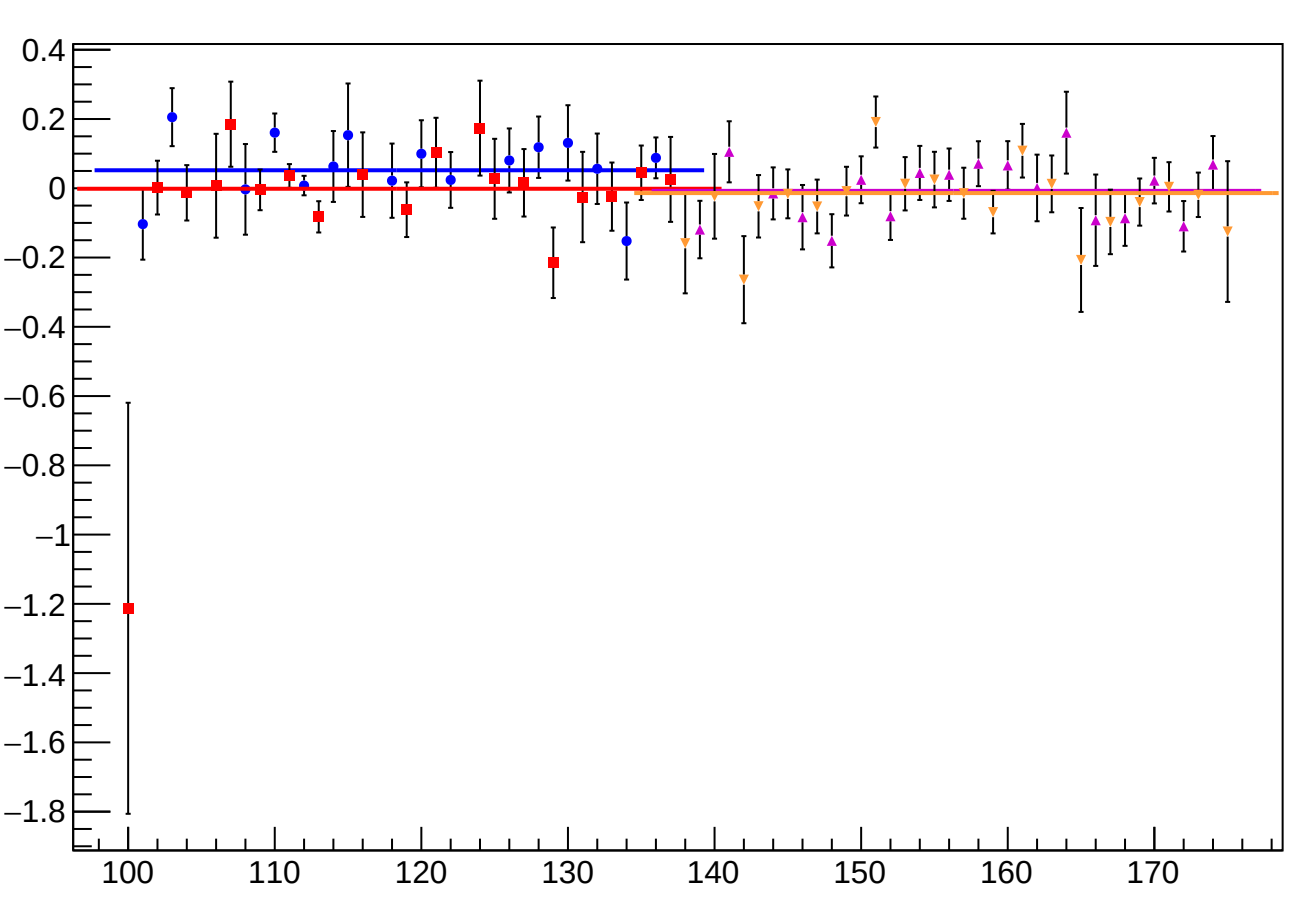
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.005+/-0.013 χ^2/NDF:343076.8/17

+ sign 54.886+/-0.009 χ^2/NDF: 6833885.8/35

All: 55.429+/-0.006 χ^2/NDF: 11141062.7/72

- sign 55.984+/-0.009 χ^2/NDF: 4299847.4/36



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.018 χ^2/NDF:19.9/19

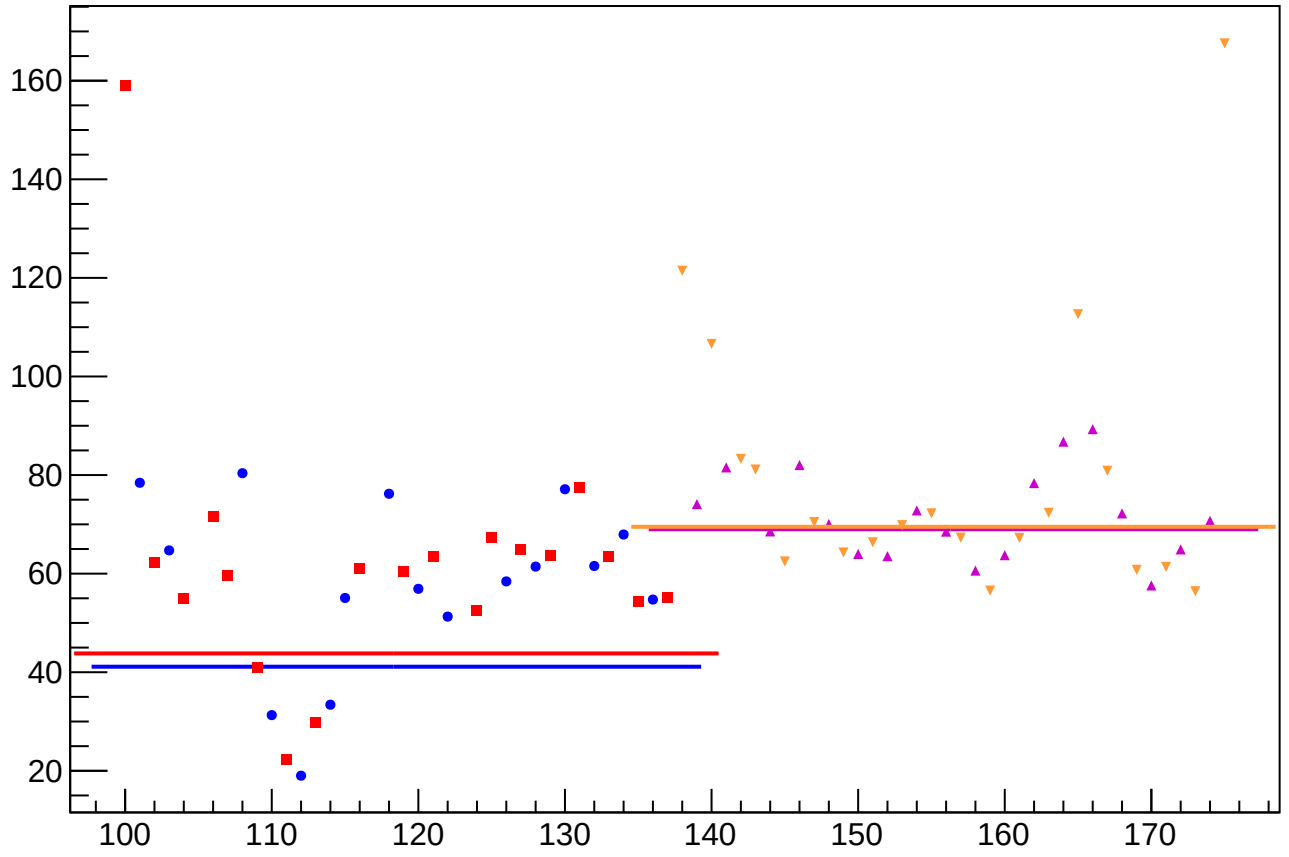
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.007+/-0.019 χ^2/NDF:18.8/17

+ sign 0.020+/-0.013 χ^2/NDF: 44.5/35

All: 0.008+/-0.009 χ^2/NDF: 84.5/72

- sign -0.004+/-0.013 χ^2/NDF: 38.1/36



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 69.504+/-0.013 χ^2/NDF:1433845.5/19

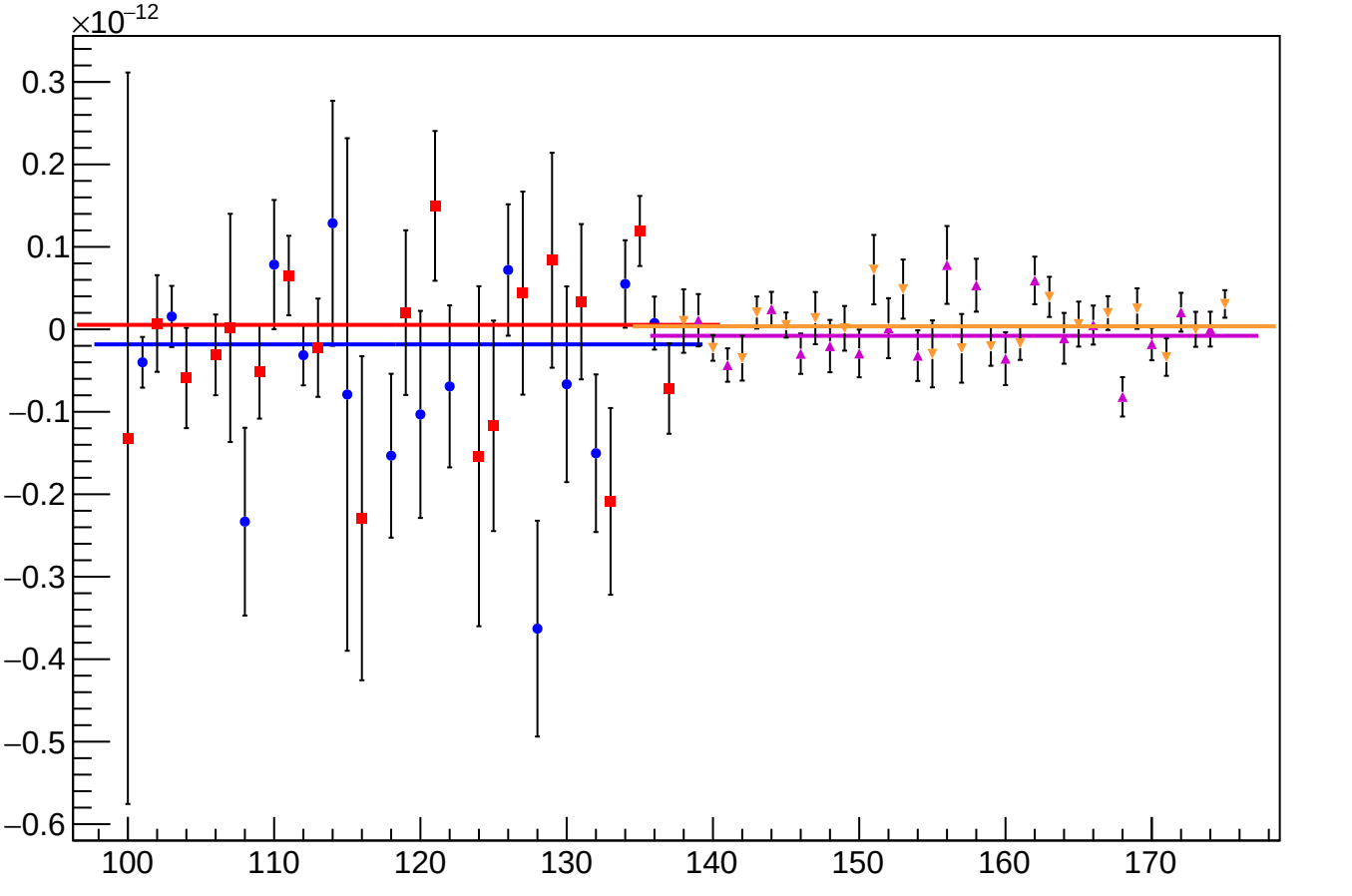
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.005+/-0.013 χ^2/NDF:343076.8/17

+ sign 54.886+/-0.009 χ^2/NDF: 6833885.8/35

All: 55.429+/-0.006 χ^2/NDF: 11141062.7/72

- sign 55.984+/-0.009 χ^2/NDF: 4299847.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.1/19

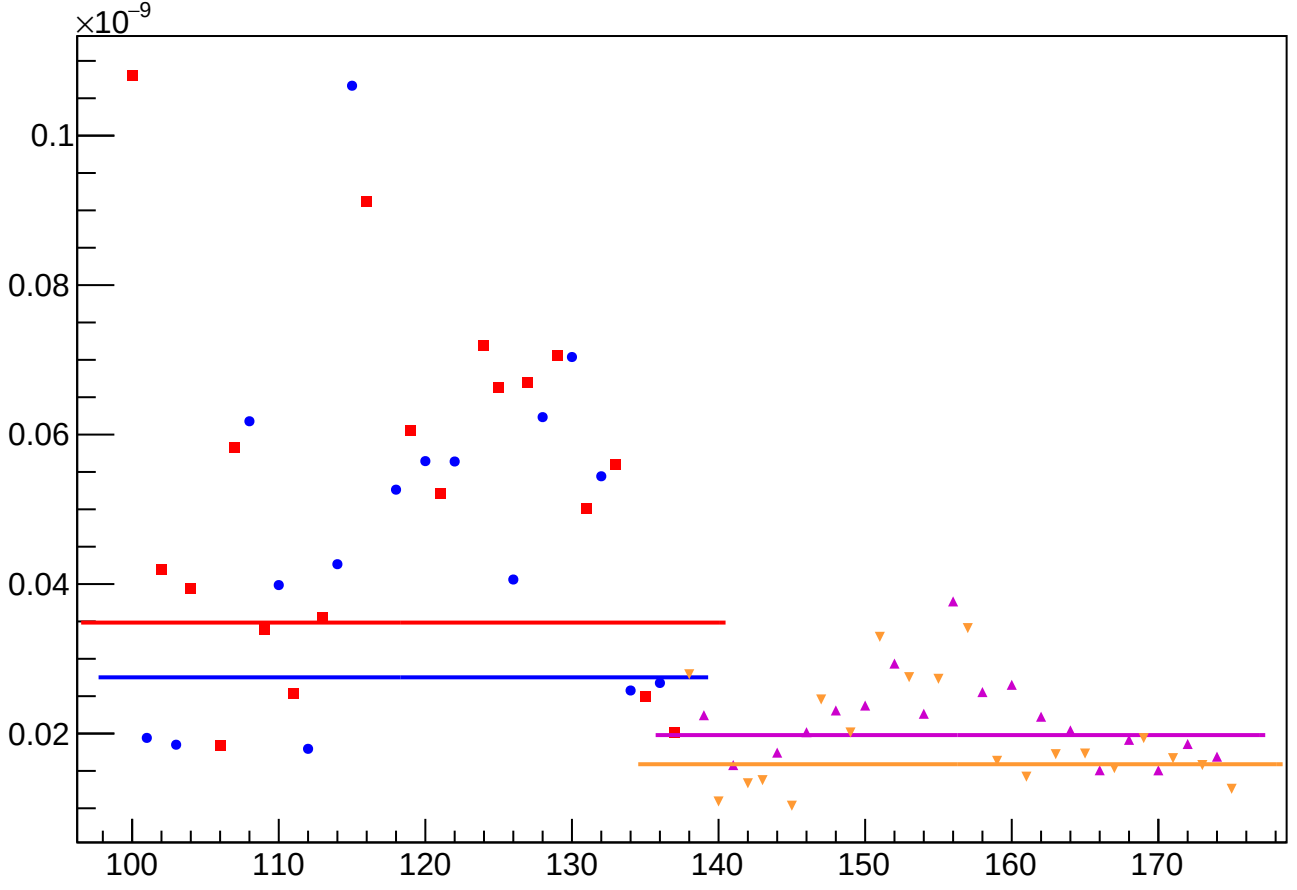
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:32.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/35

All: -0.000+/-0.000 χ^2/NDF: 104.8/72

- sign -0.000+/-0.000 χ^2/NDF: 56.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2134079.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

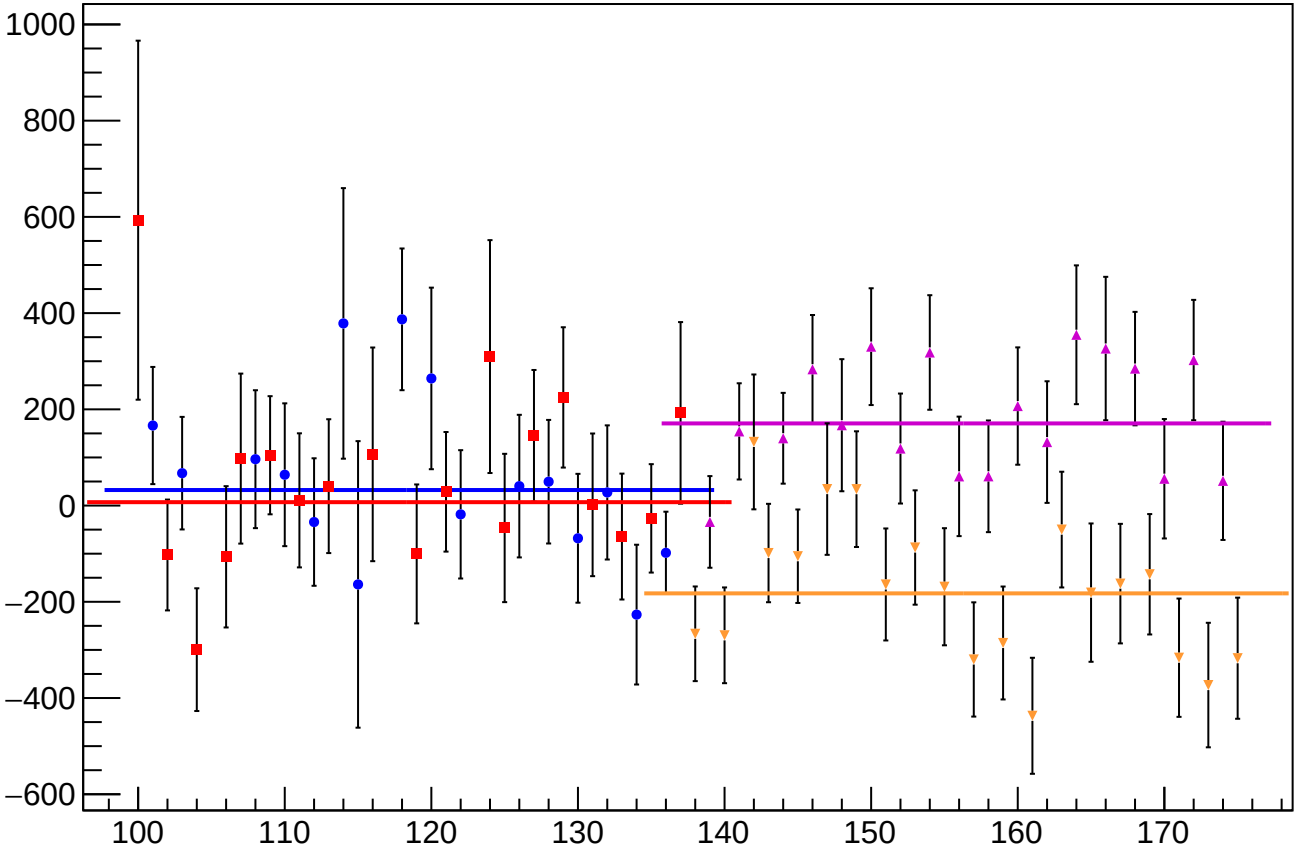
Left In: 0.000+/-0.000 χ^2/NDF:1025137.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 5085971.9/35

All: 0.000+/-0.000 χ^2/NDF: 9885326.2/72

- sign 0.000+/-0.000 χ^2/NDF: 4132348.2/36

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -182.493+/-26.359 χ^2/NDF:26.7/19

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

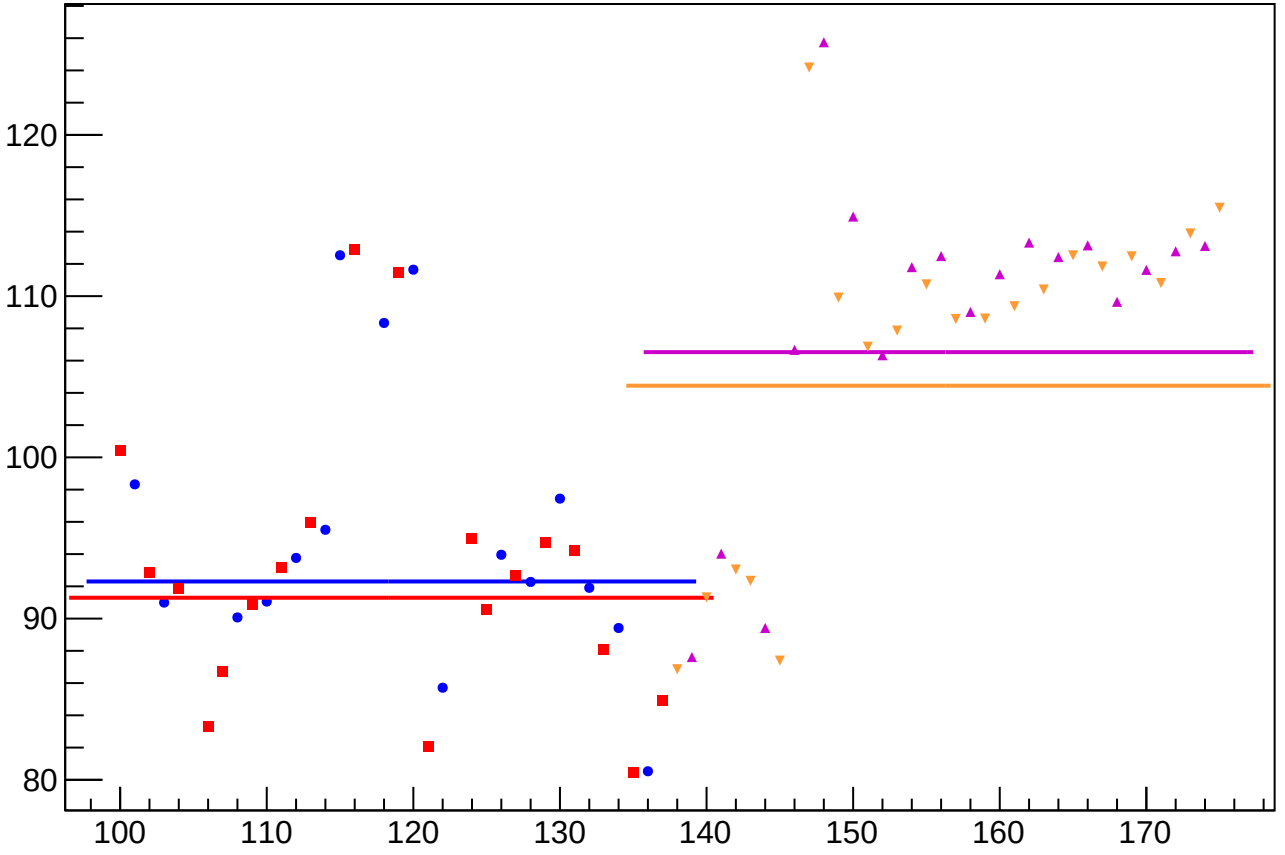
Left In: 170.751+/-27.754 χ^2/NDF:17.7/17

+ sign -103.117+/-20.929 χ^2/NDF: 68.5/35

All: -1.653+/-14.946 χ^2/NDF: 166.1/72

- sign 103.942+/-21.351 χ^2/NDF: 49.6/36

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.446+/-0.019 χ^2/NDF:321544.1/19

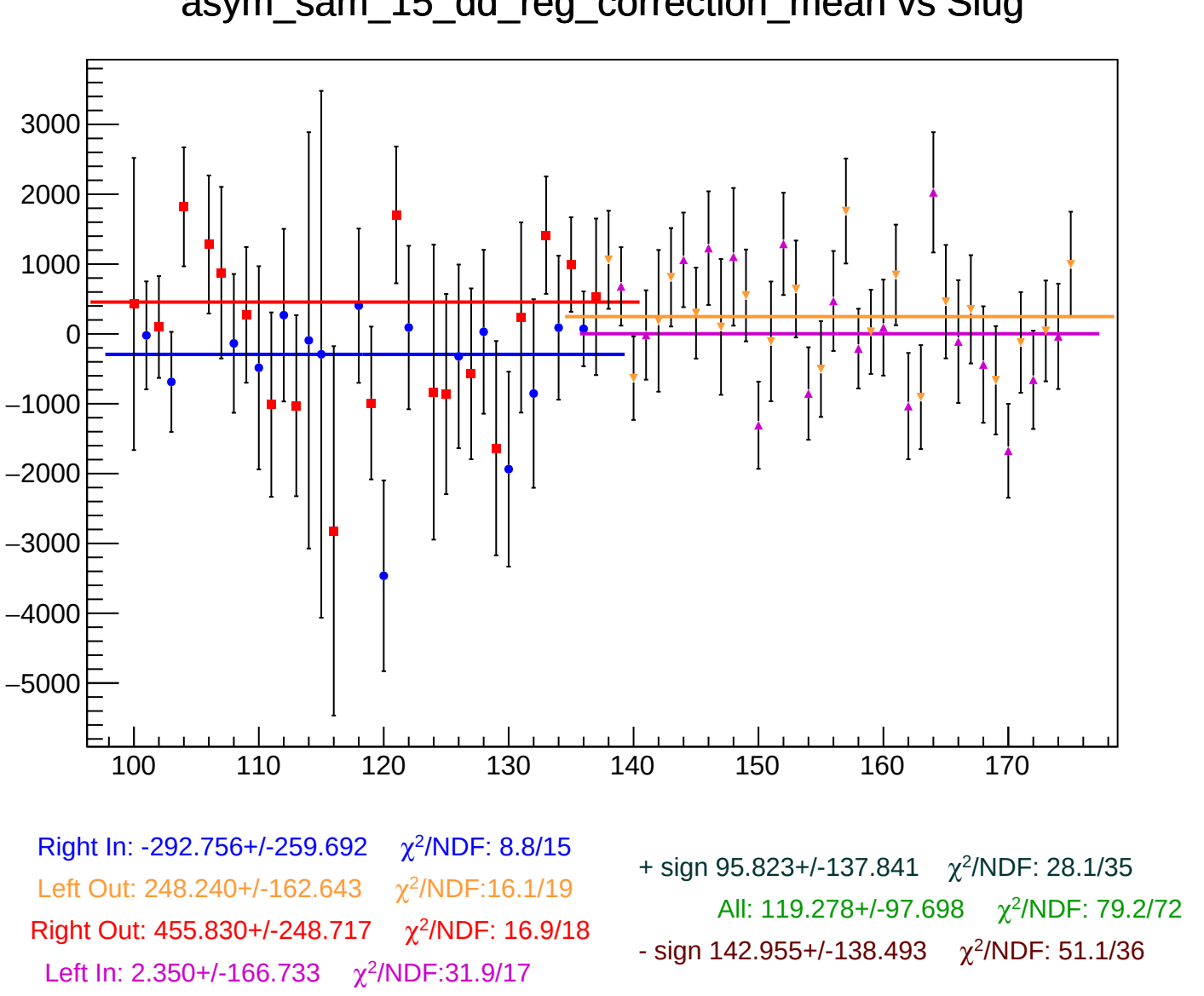
Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 106.527+/-0.020 χ^2/NDF:265825.3/17

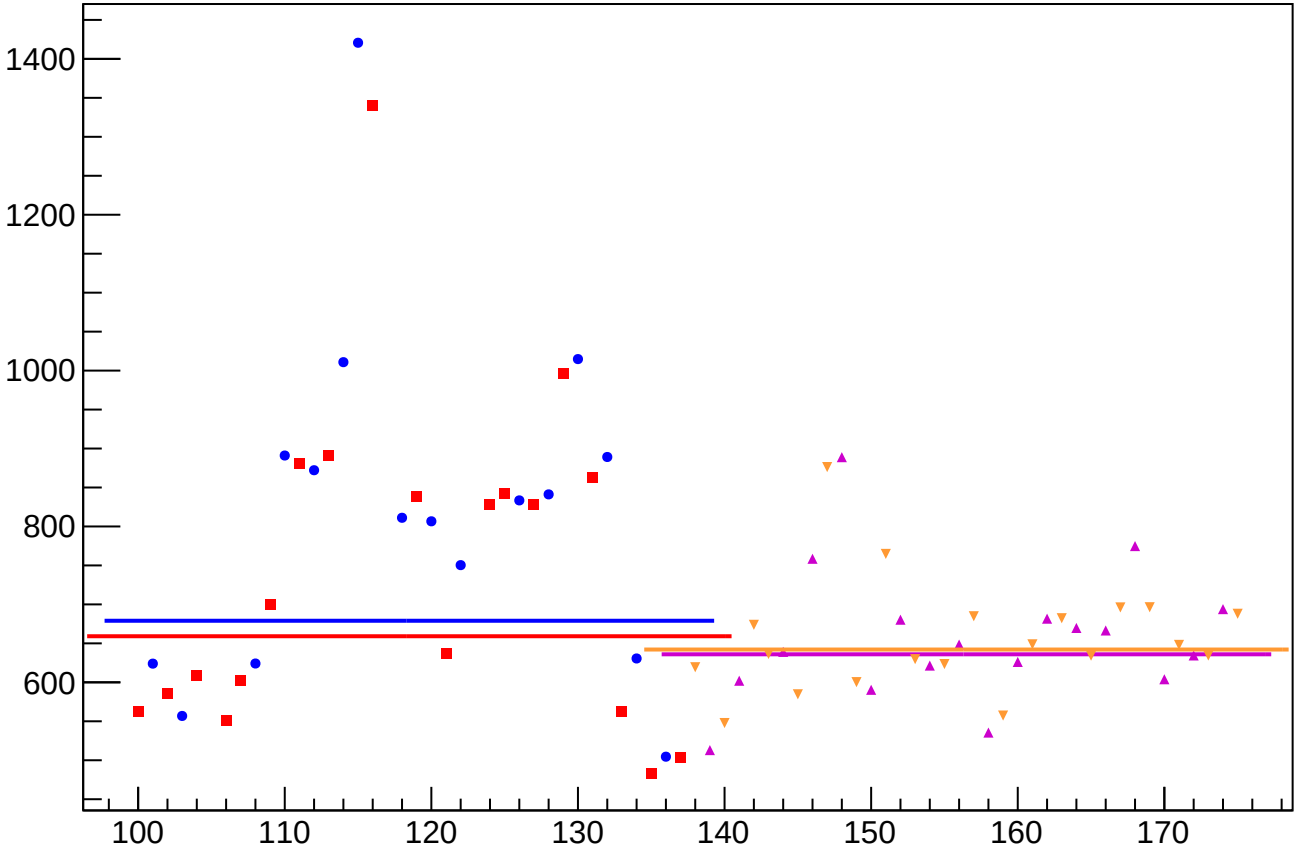
+ sign 99.958+/-0.015 χ^2/NDF: 585479.1/35

All: 100.130+/-0.011 χ^2/NDF: 1202607.3/72

- sign 100.309+/-0.015 χ^2/NDF: 616852.7/36


asym_sam_15_dd_reg_correction_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
100
110
120
130
140
150
160
170
Right In: -292.756+/-259.692 χ²/NDF: 8.8/15
Left Out: 248.240+/-162.643 χ²/NDF:16.1/19
Right Out: 455.830+/-248.717 χ²/NDF: 16.9/18
Left In: 2.350+/-166.733 χ²/NDF:31.9/17
+ sign 95.823+/-137.841 χ²/NDF: 28.1/35
All: 119.278+/-97.698 χ²/NDF: 79.2/72
- sign 142.955+/-138.493 χ²/NDF: 51.1/36

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 642.087+/-0.115 χ^2/NDF:316001.3/19

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

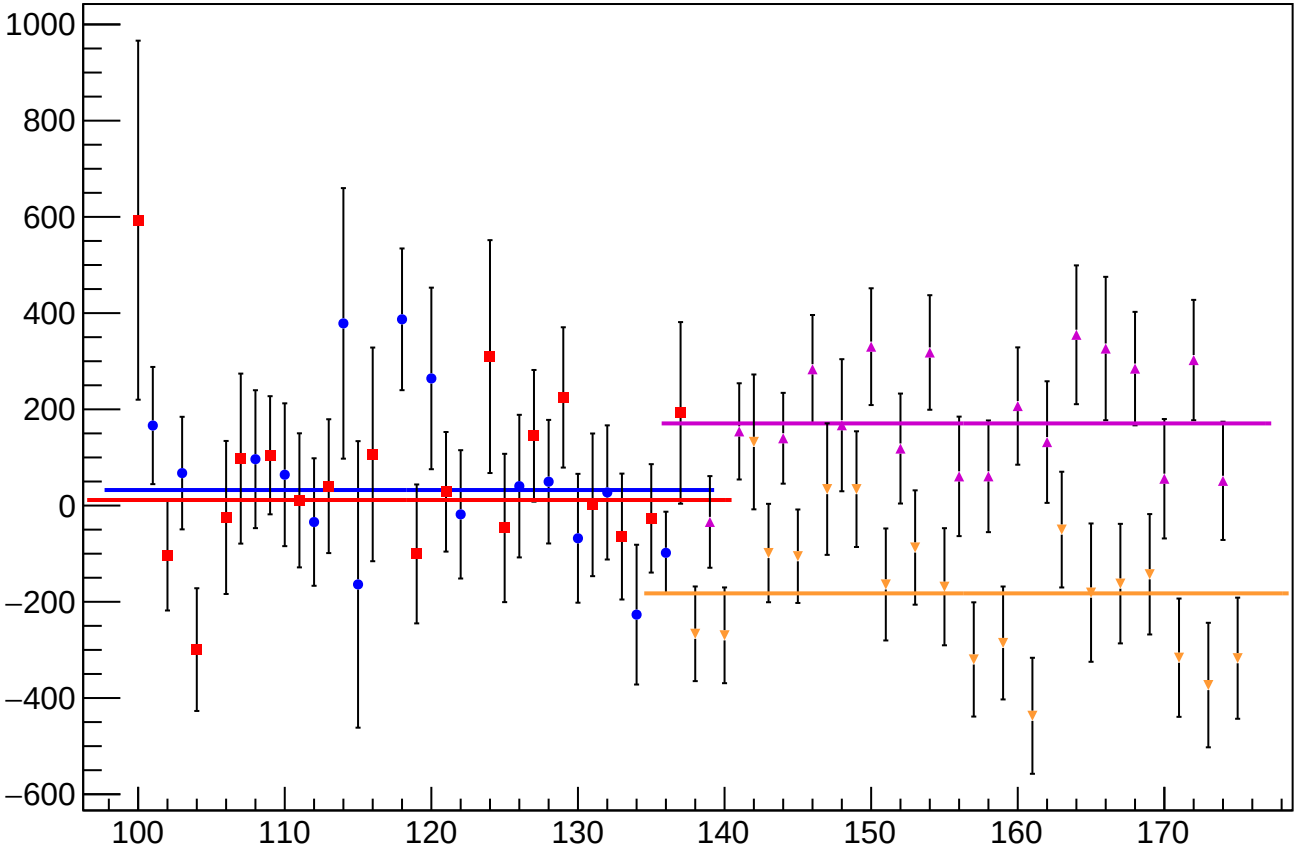
Left In: 635.957+/-0.118 χ^2/NDF:445077.5/17

+ sign 652.488+/-0.097 χ^2/NDF: 1113012.6/35

All: 647.837+/-0.069 χ^2/NDF: 2370523.9/72

- sign 643.143+/-0.098 χ^2/NDF: 1252937.0/36

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -182.491+/-26.359 χ^2/NDF:26.7/19

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

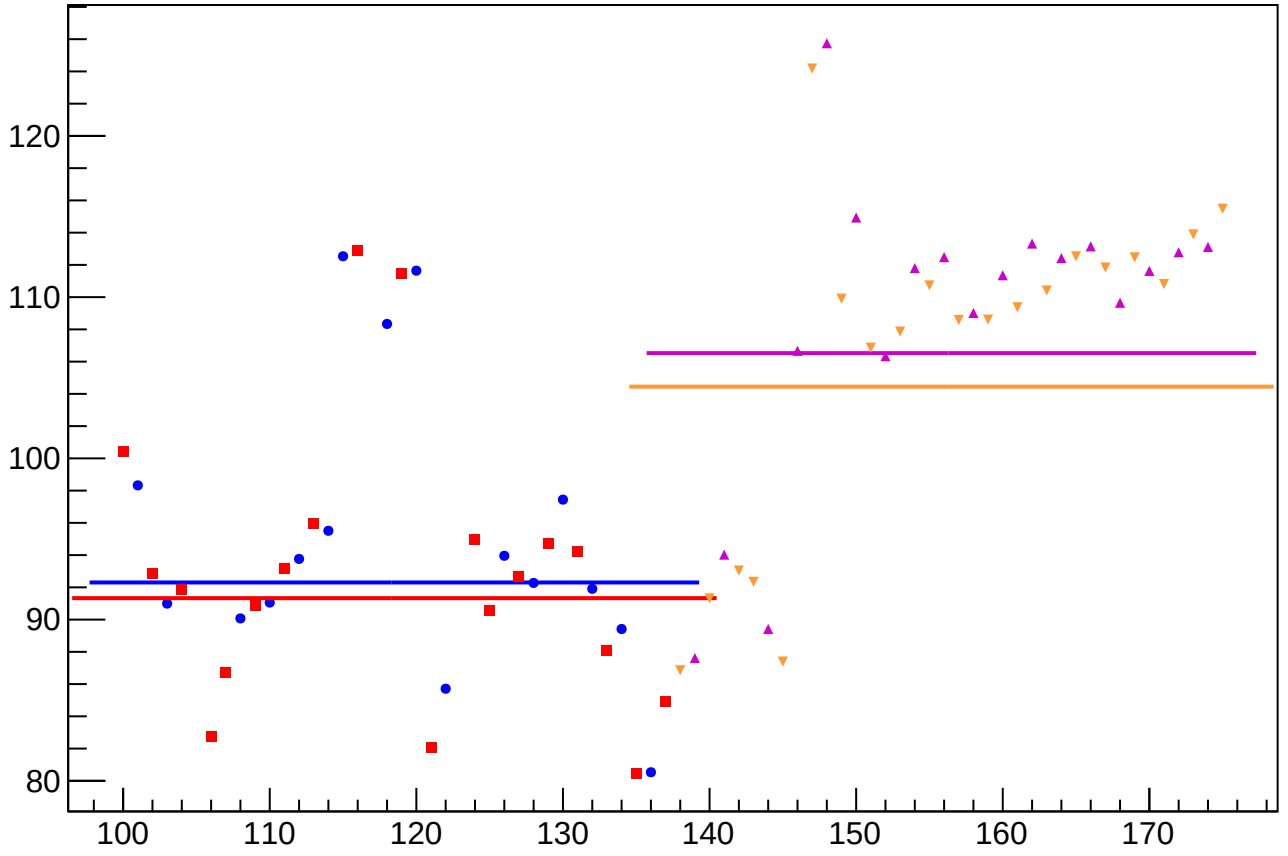
Left In: 170.753+/-27.754 χ^2/NDF:17.7/17

+ sign -103.110+/-20.929 χ^2/NDF: 68.5/35

All: -0.766+/-14.958 χ^2/NDF: 165.6/72

- sign 106.077+/-21.385 χ^2/NDF: 48.2/36

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.446+/-0.019 χ^2/NDF:321544.1/19

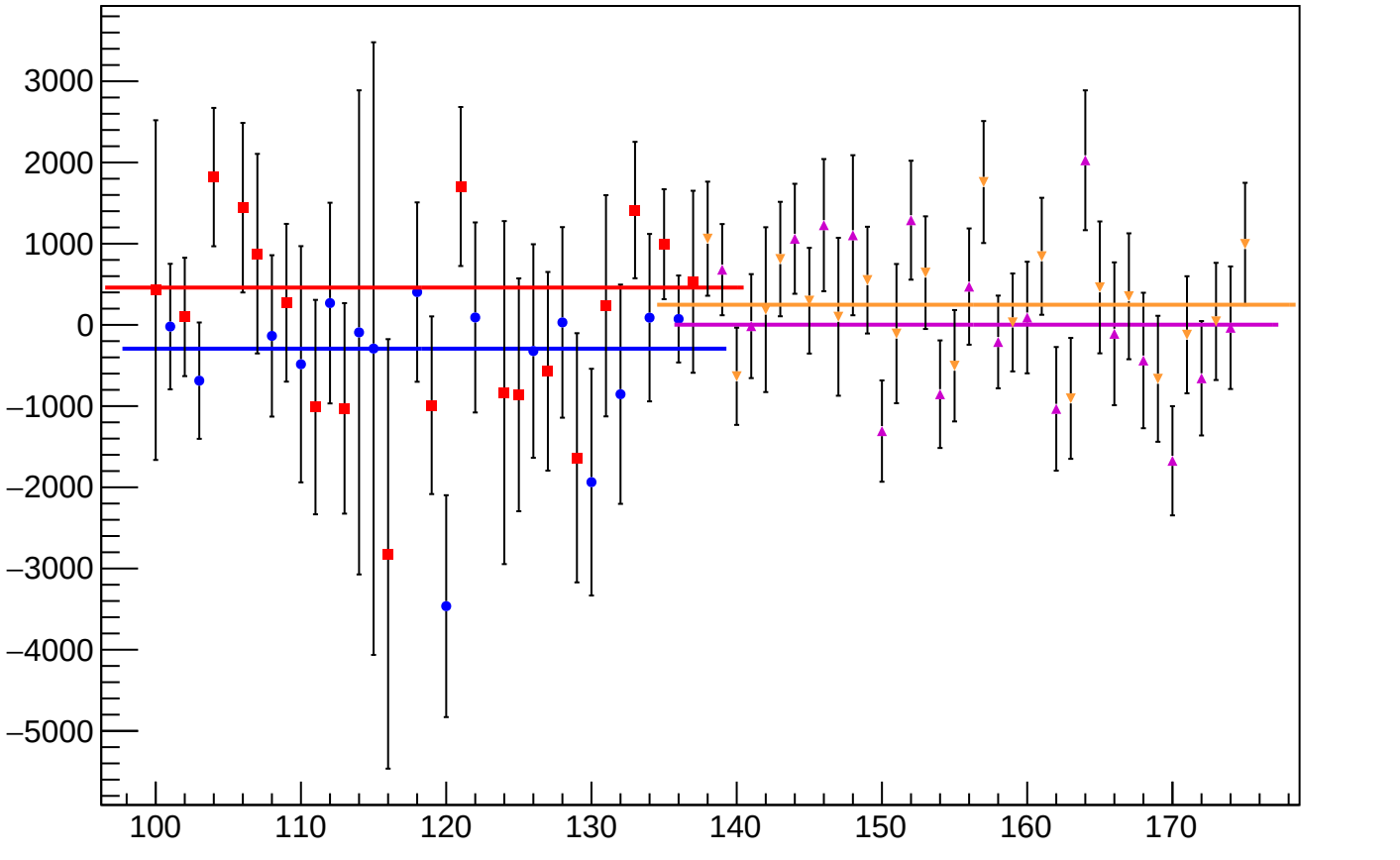
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.527+/-0.020 χ^2/NDF:265825.3/17

+ sign 99.958+/-0.015 χ^2/NDF: 585479.0/35

All: 100.151+/-0.011 χ^2/NDF: 1200153.6/72

- sign 100.353+/-0.015 χ^2/NDF: 614326.5/36



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 248.238+/-162.643 χ^2/NDF:16.1/19

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

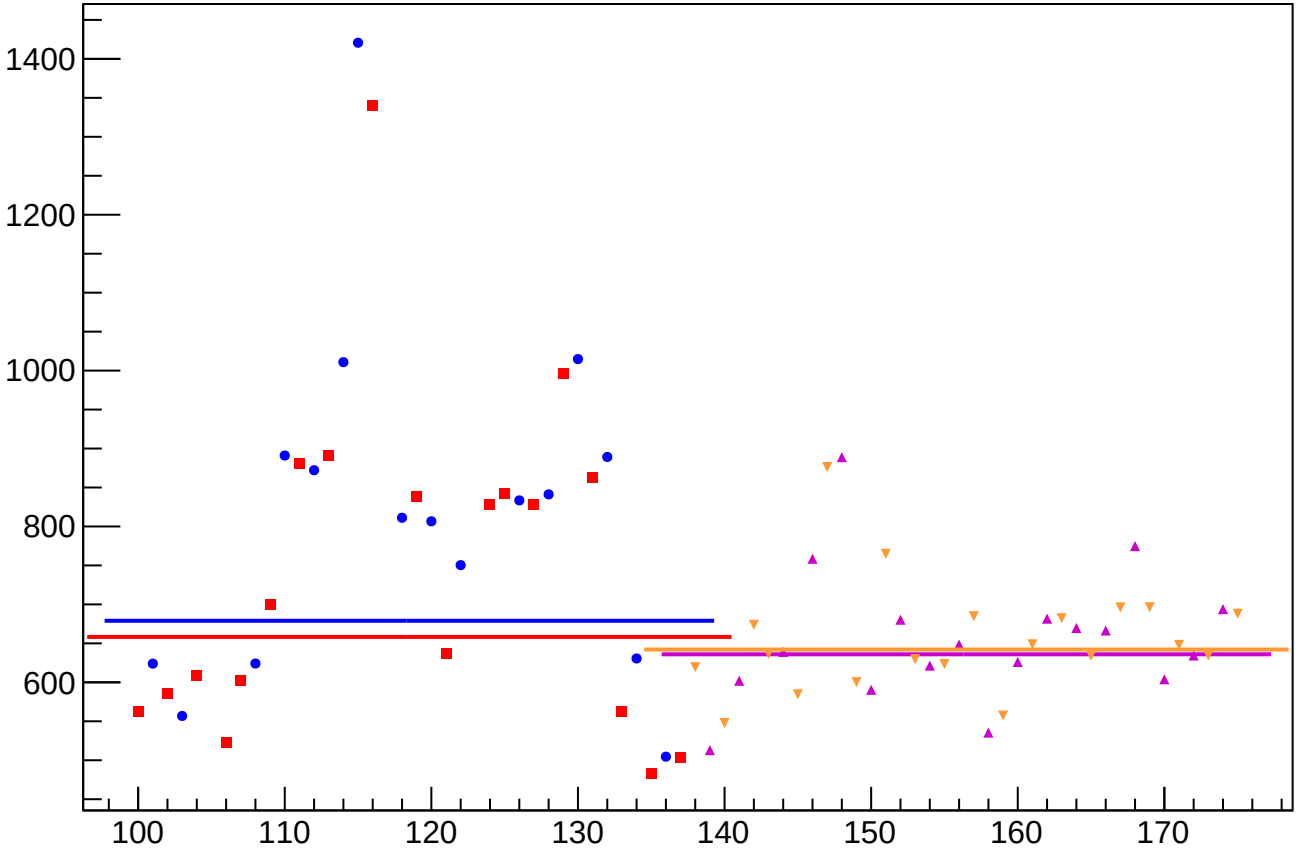
Left In: 2.352+/-166.733 χ^2/NDF:31.9/17

+ sign 95.822+/-137.841 χ^2/NDF: 28.1/35

All: 119.512+/-97.748 χ^2/NDF: 79.4/72

- sign 143.476+/-138.635 χ^2/NDF: 51.3/36

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 642.088+/-0.115 χ^2/NDF:316002.2/19

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

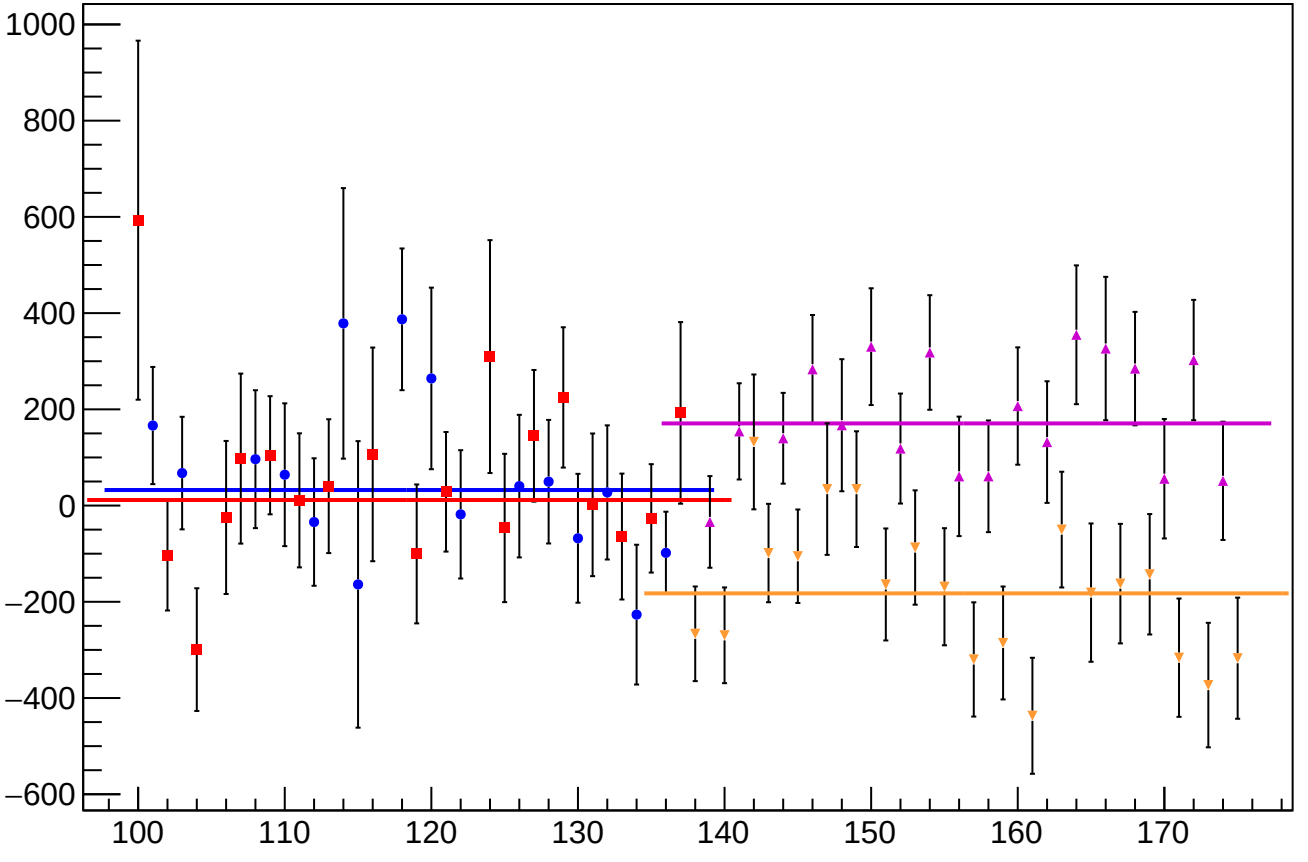
Left In: 635.957+/-0.118 χ^2/NDF:445078.4/17

+ sign 652.488+/-0.097 χ^2/NDF: 1113014.7/35

All: 647.692+/-0.069 χ^2/NDF: 2379907.5/72

- sign 642.841+/-0.098 χ^2/NDF: 1262023.2/36

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -182.491+/-26.359 χ^2/NDF:26.7/19

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

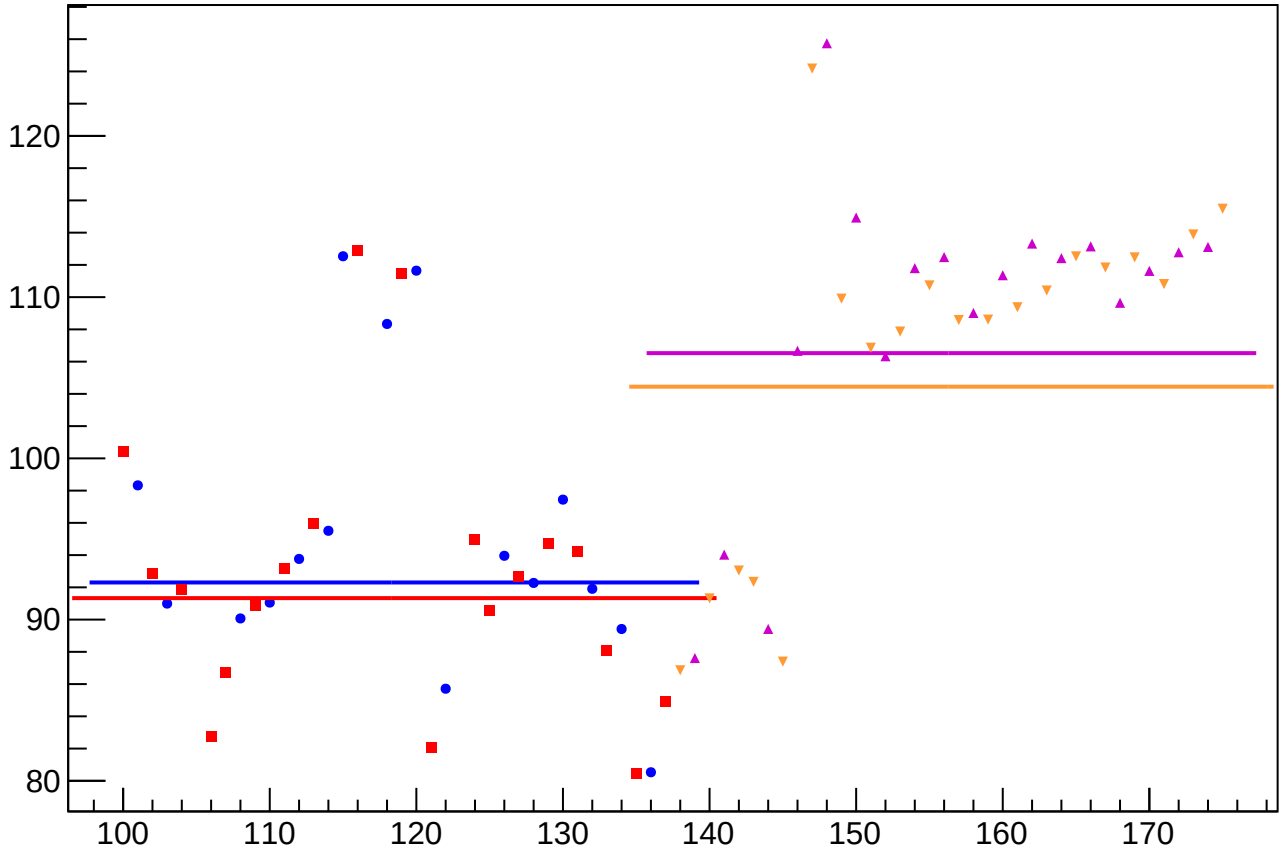
Left In: 170.753+/-27.754 χ^2/NDF:17.7/17

+ sign -103.110+/-20.929 χ^2/NDF: 68.5/35

All: -0.766+/-14.958 χ^2/NDF: 165.6/72

- sign 106.077+/-21.385 χ^2/NDF: 48.2/36

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.446+/-0.019 χ^2/NDF:321544.1/19

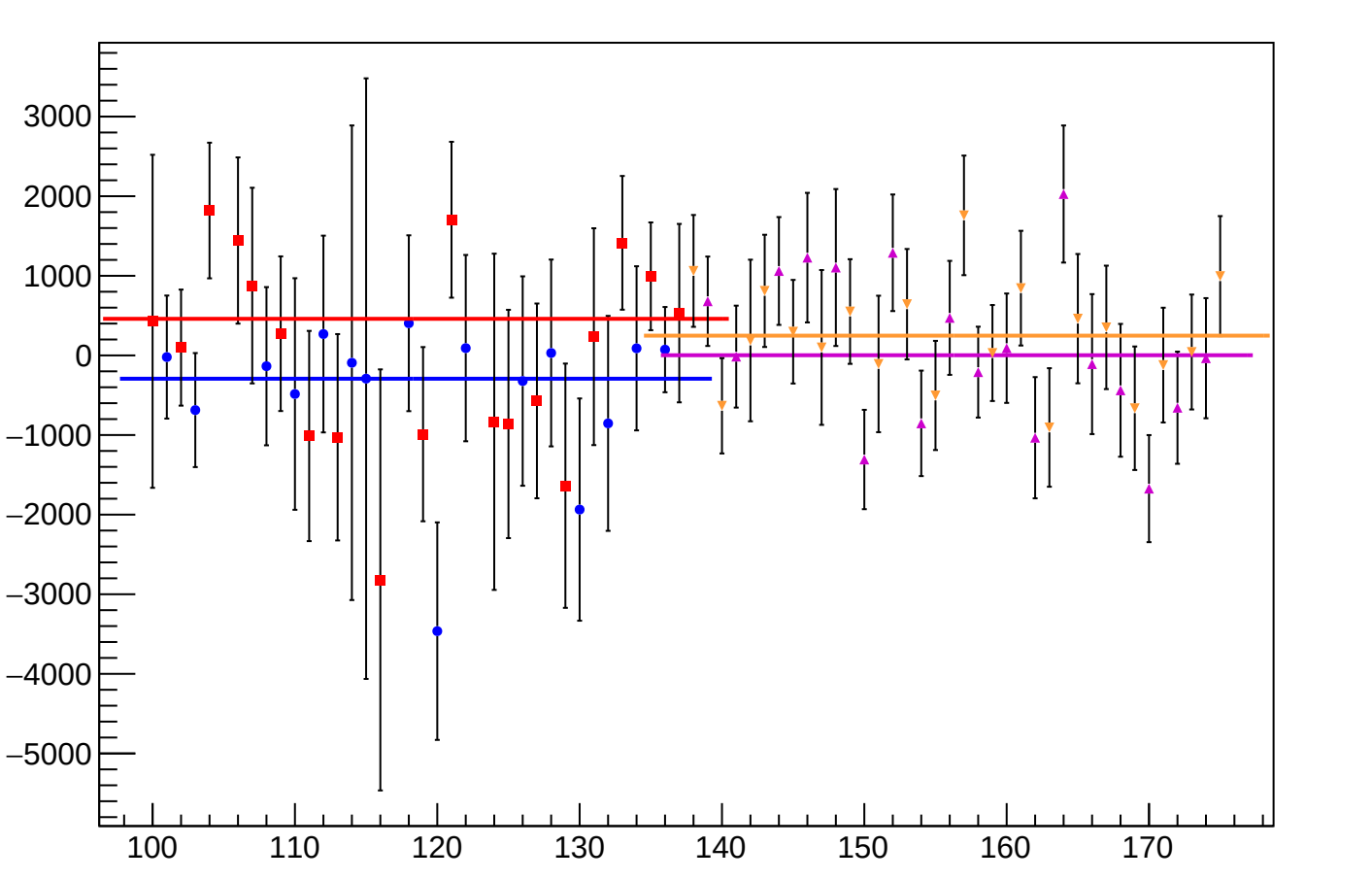
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.527+/-0.020 χ^2/NDF:265825.3/17

+ sign 99.958+/-0.015 χ^2/NDF: 585479.0/35

All: 100.151+/-0.011 χ^2/NDF: 1200153.6/72

- sign 100.353+/-0.015 χ^2/NDF: 614326.5/36



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 248.238+/-162.643 χ^2/NDF:16.1/19

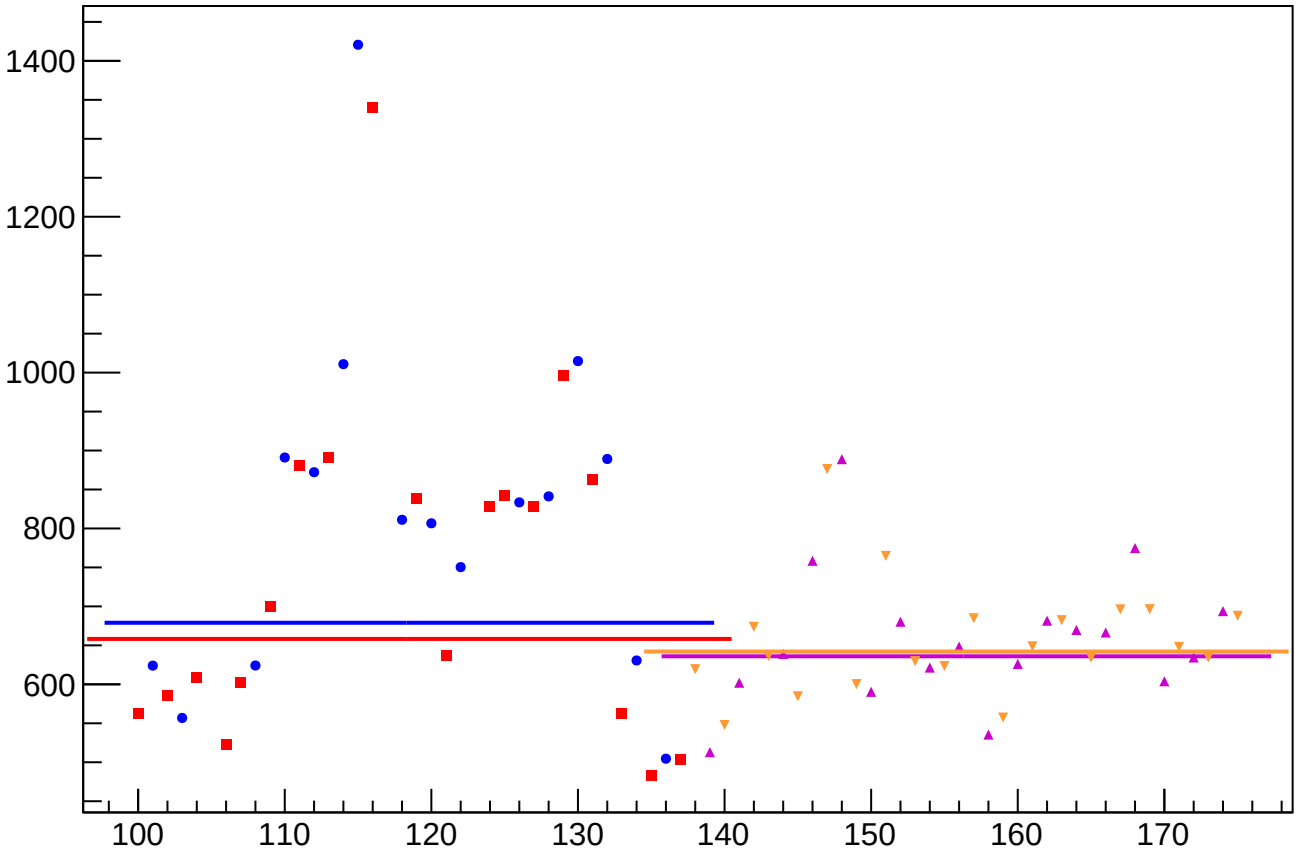
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 2.352+/-166.733 χ^2/NDF:31.9/17

\+ sign 95.822+/-137.841 χ^2/NDF: 28.1/35

All: 119.512+/-97.748 χ^2/NDF: 79.4/72

\- sign 143.476+/-138.635 χ^2/NDF: 51.3/36



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 642.088+/-0.115 χ^2/NDF:316002.2/19

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

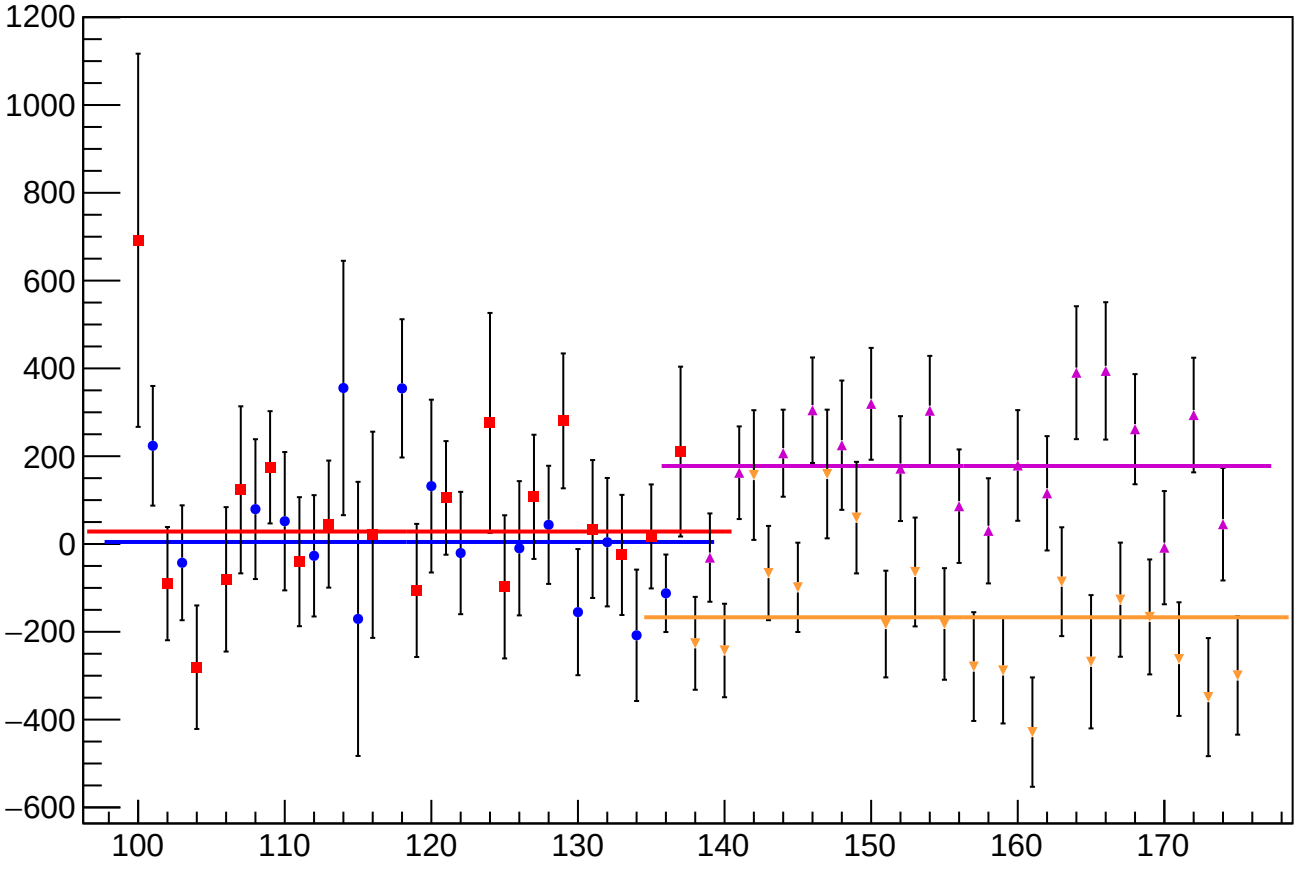
Left In: 635.957+/-0.118 χ^2/NDF:445078.4/17

+ sign 652.488+/-0.097 χ^2/NDF: 1113014.7/35

All: 647.692+/-0.069 χ^2/NDF: 2379907.5/72

- sign 642.841+/-0.098 χ^2/NDF: 1262023.2/36

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -166.938+/-27.692 χ^2/NDF:26.4/19

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

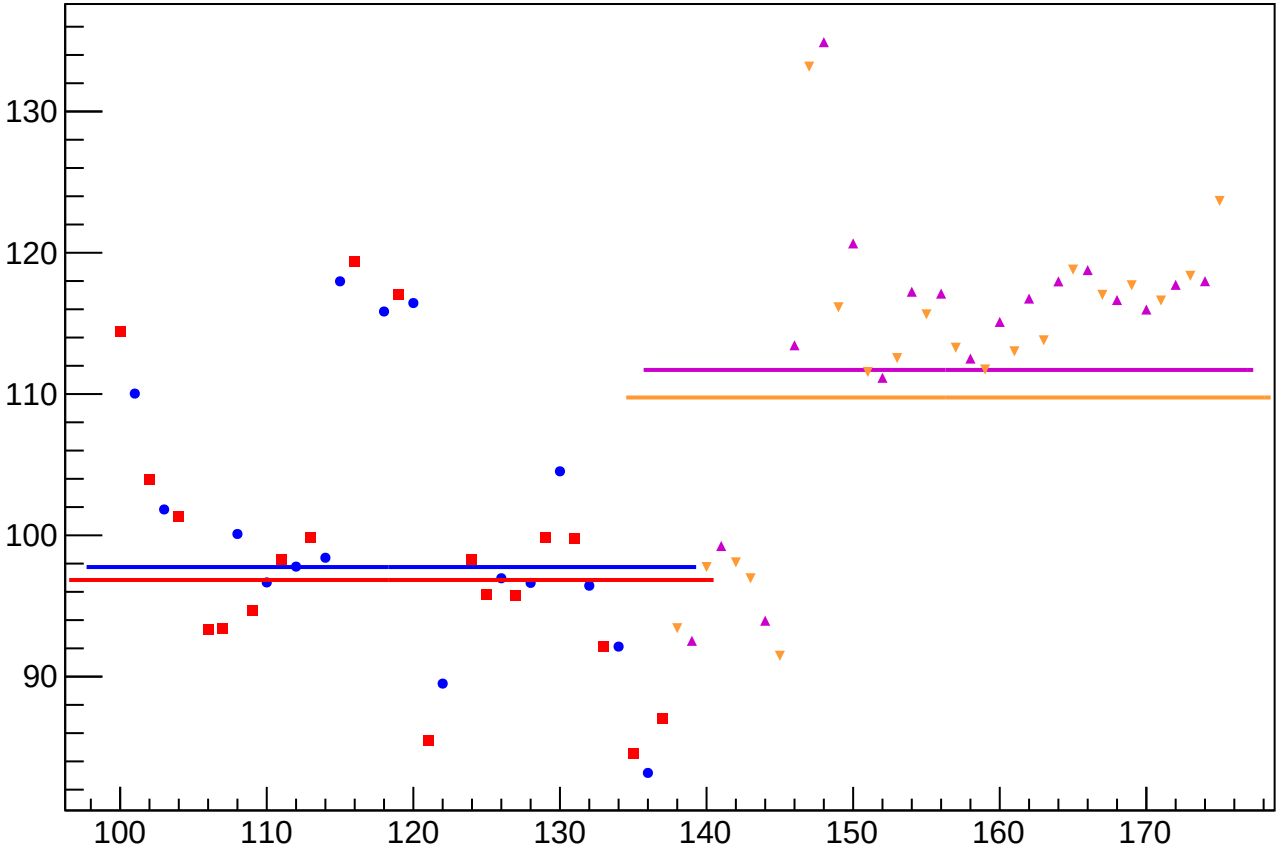
Left In: 177.686+/-29.104 χ^2/NDF:18.4/17

+ sign -104.283+/-22.063 χ^2/NDF: 55.7/35

All: 4.501+/-15.753 χ^2/NDF: 151.4/72

- sign 117.612+/-22.498 χ^2/NDF: 46.1/36

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 109.756+/-0.020 χ^2/NDF:301874.2/19

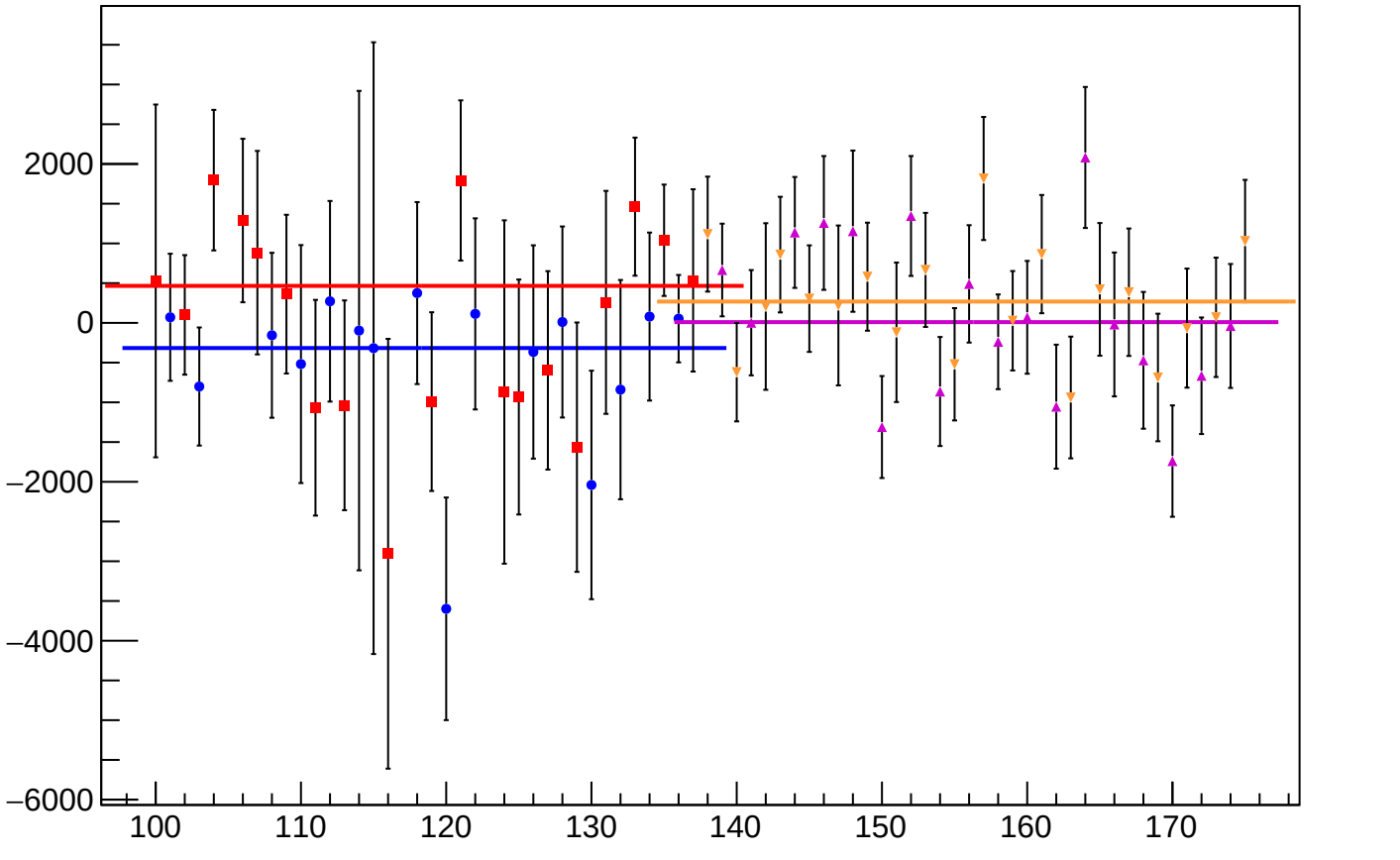
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 111.707+/-0.021 χ^2/NDF:258477.2/17

\+ sign 105.373+/-0.016 χ^2/NDF: 579679.4/35

All: 105.545+/-0.011 χ^2/NDF: 1163622.4/72

\- sign 105.724+/-0.016 χ^2/NDF: 583694.8/36



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 268.546+/-167.959 χ^2/NDF:16.1/19

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

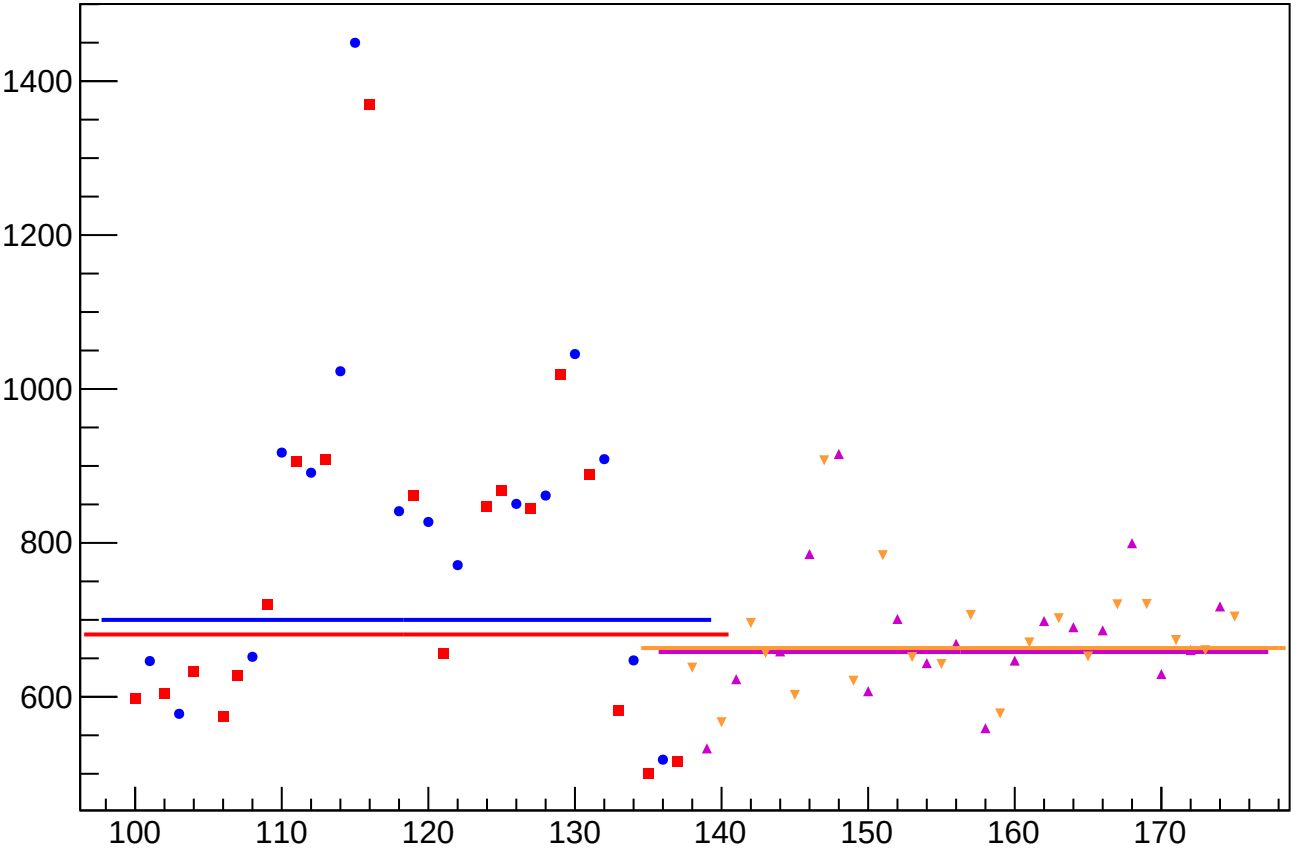
Left In: 9.478+/-172.473 χ^2/NDF:31.6/17

\+ sign 103.109+/-142.247 χ^2/NDF: 28.6/35

All: 127.090+/-100.902 χ^2/NDF: 79.0/72

\- sign 151.377+/-143.151 χ^2/NDF: 50.3/36

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 663.381+/-0.119 χ^2/NDF:309996.9/19

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

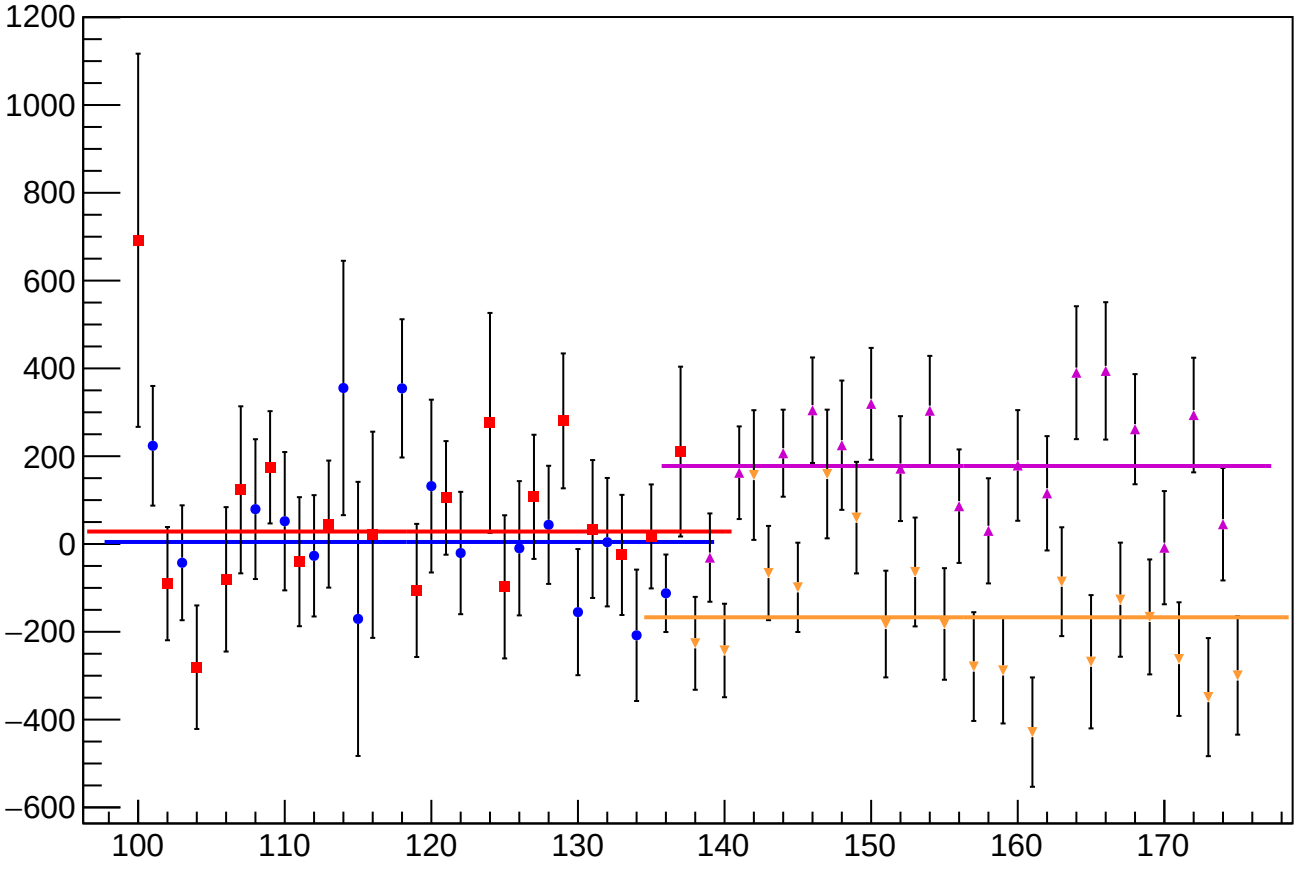
Left In: 658.229+/-0.122 χ^2/NDF:427159.2/17

+ sign 673.727+/-0.101 χ^2/NDF: 1090501.8/35

All: 669.549+/-0.071 χ^2/NDF: 2301392.7/72

- sign 665.318+/-0.101 χ^2/NDF: 1207418.6/36

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -166.938+/-27.692 χ^2/NDF:26.4/19

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

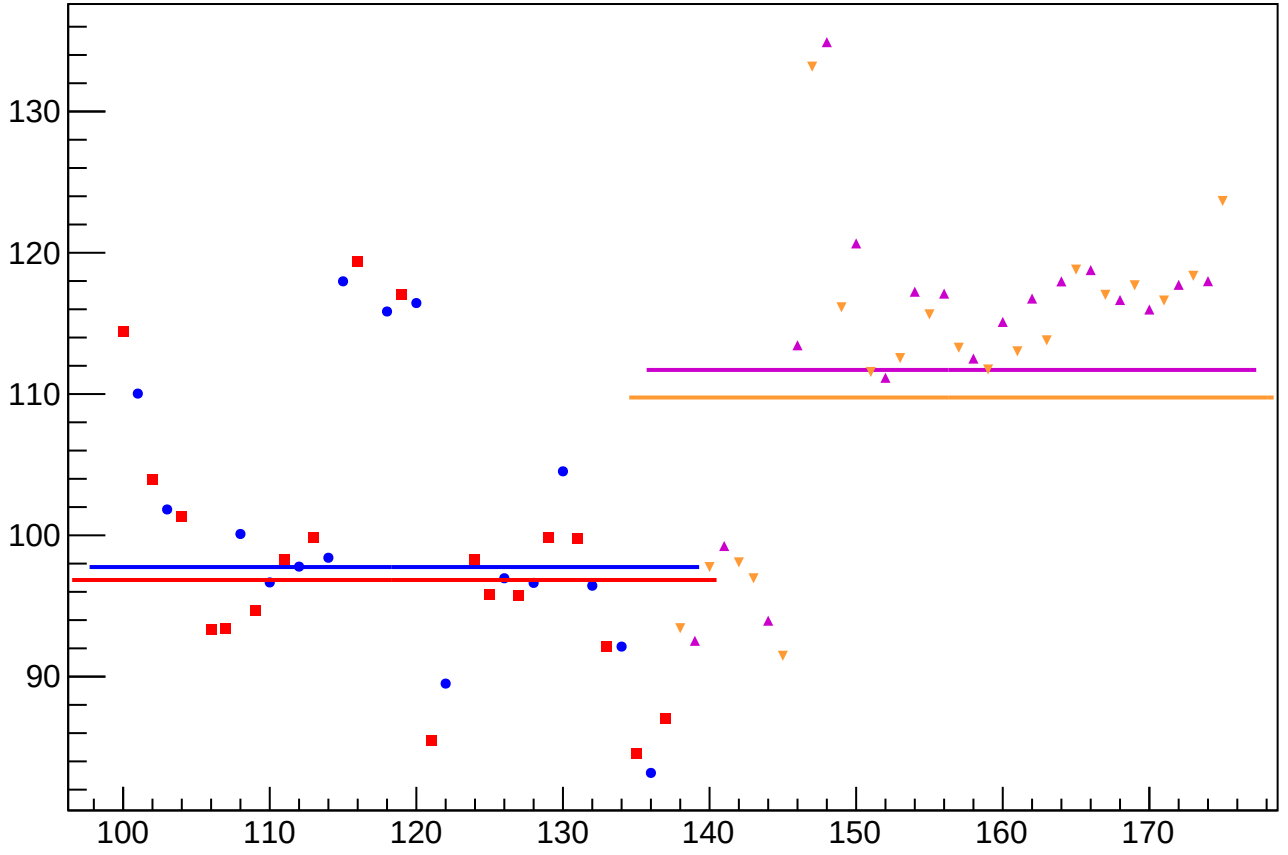
Left In: 177.687+/-29.104 χ^2/NDF:18.4/17

+ sign -104.283+/-22.063 χ^2/NDF: 55.7/35

All: 4.501+/-15.753 χ^2/NDF: 151.4/72

- sign 117.612+/-22.498 χ^2/NDF: 46.1/36

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 109.756+/-0.020 χ^2/NDF:301872.8/19

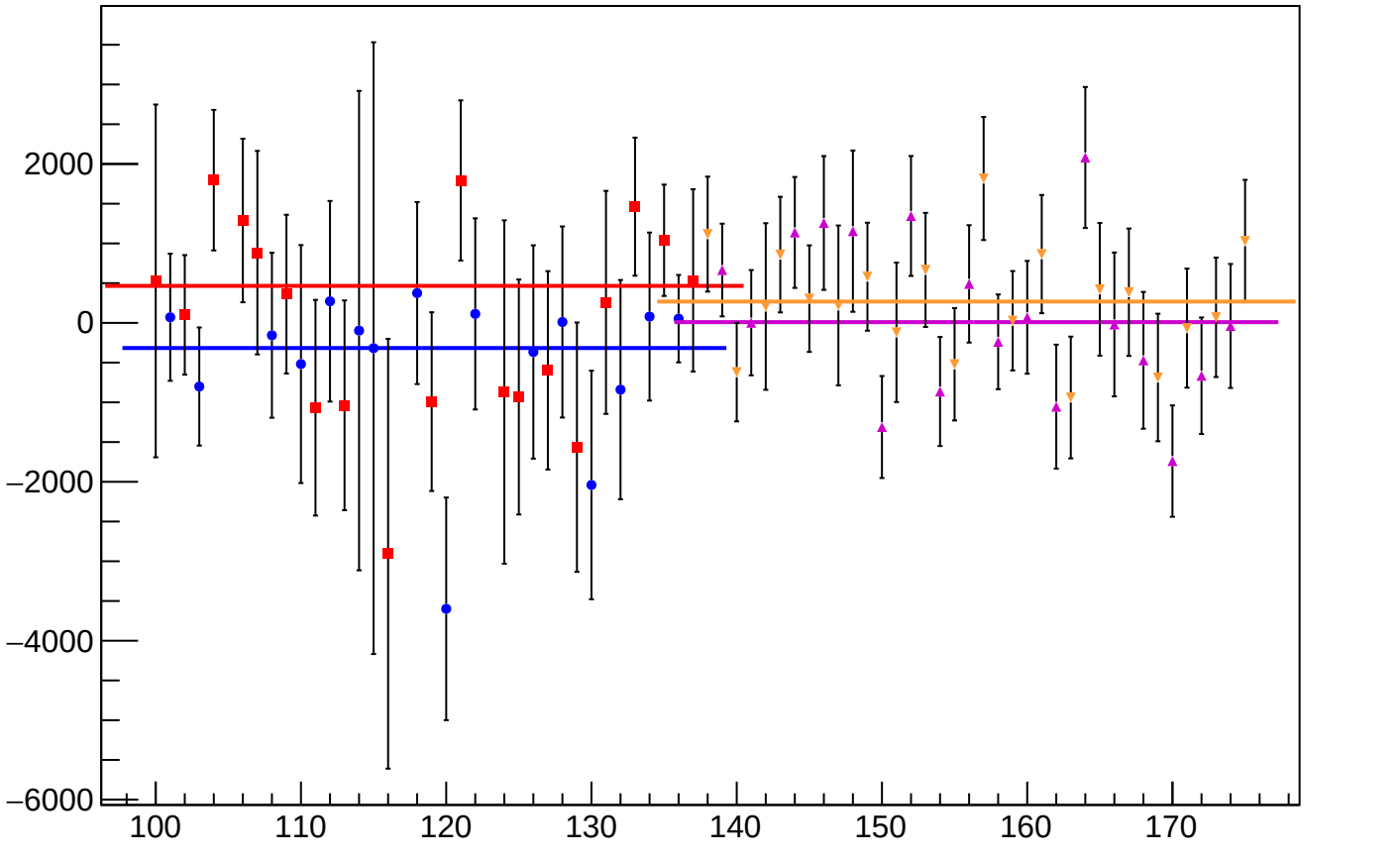
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 111.708+/-0.021 χ^2/NDF:258475.2/17

\+ sign 105.373+/-0.016 χ^2/NDF: 579686.7/35

All: 105.545+/-0.011 χ^2/NDF: 1163642.7/72

\- sign 105.724+/-0.016 χ^2/NDF: 583707.8/36



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 268.546+/-167.960 χ^2/NDF:16.1/19

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

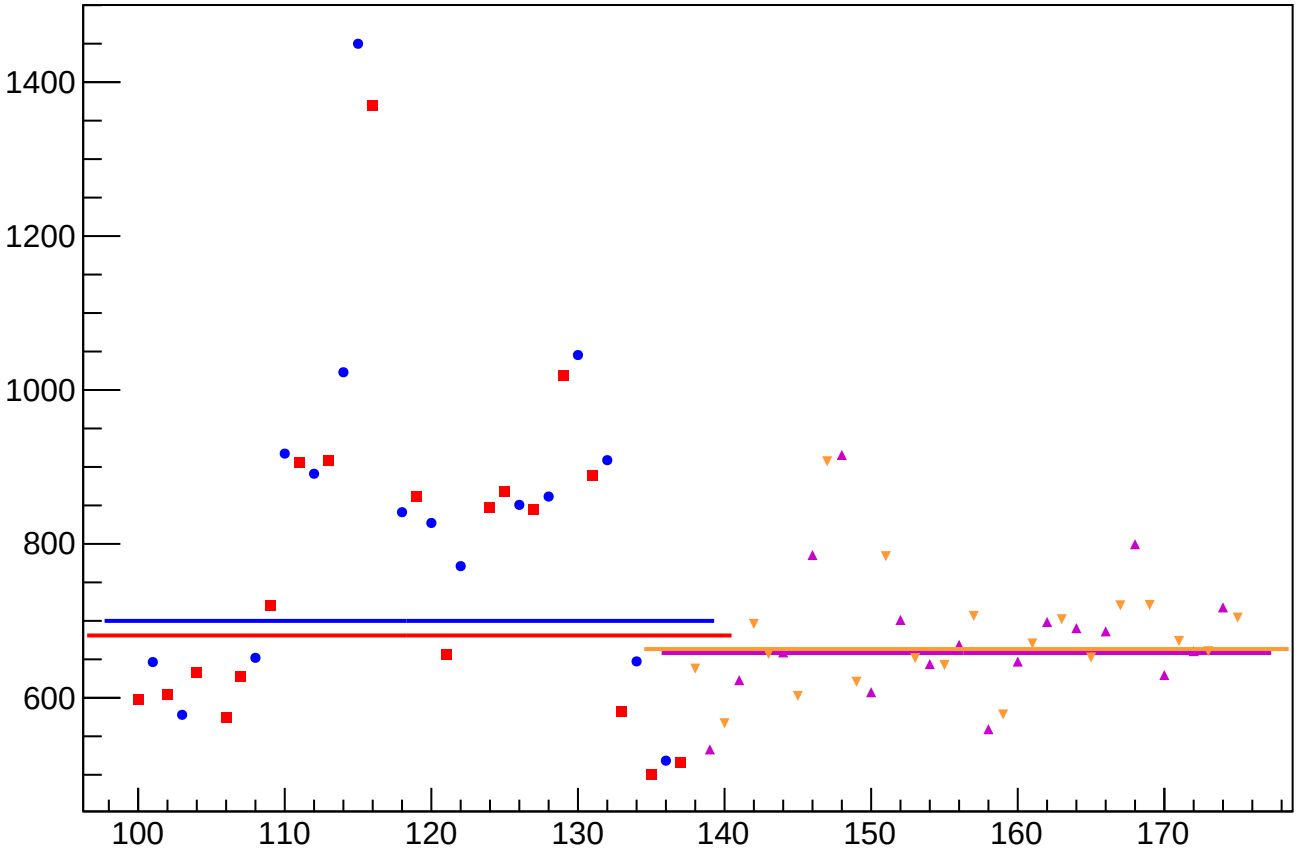
Left In: 9.478+/-172.473 χ^2/NDF:31.6/17

\+ sign 103.109+/-142.247 χ^2/NDF: 28.6/35

All: 127.090+/-100.902 χ^2/NDF: 79.0/72

\- sign 151.377+/-143.151 χ^2/NDF: 50.3/36

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 663.382+/-0.119 χ^2/NDF:309996.4/19

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

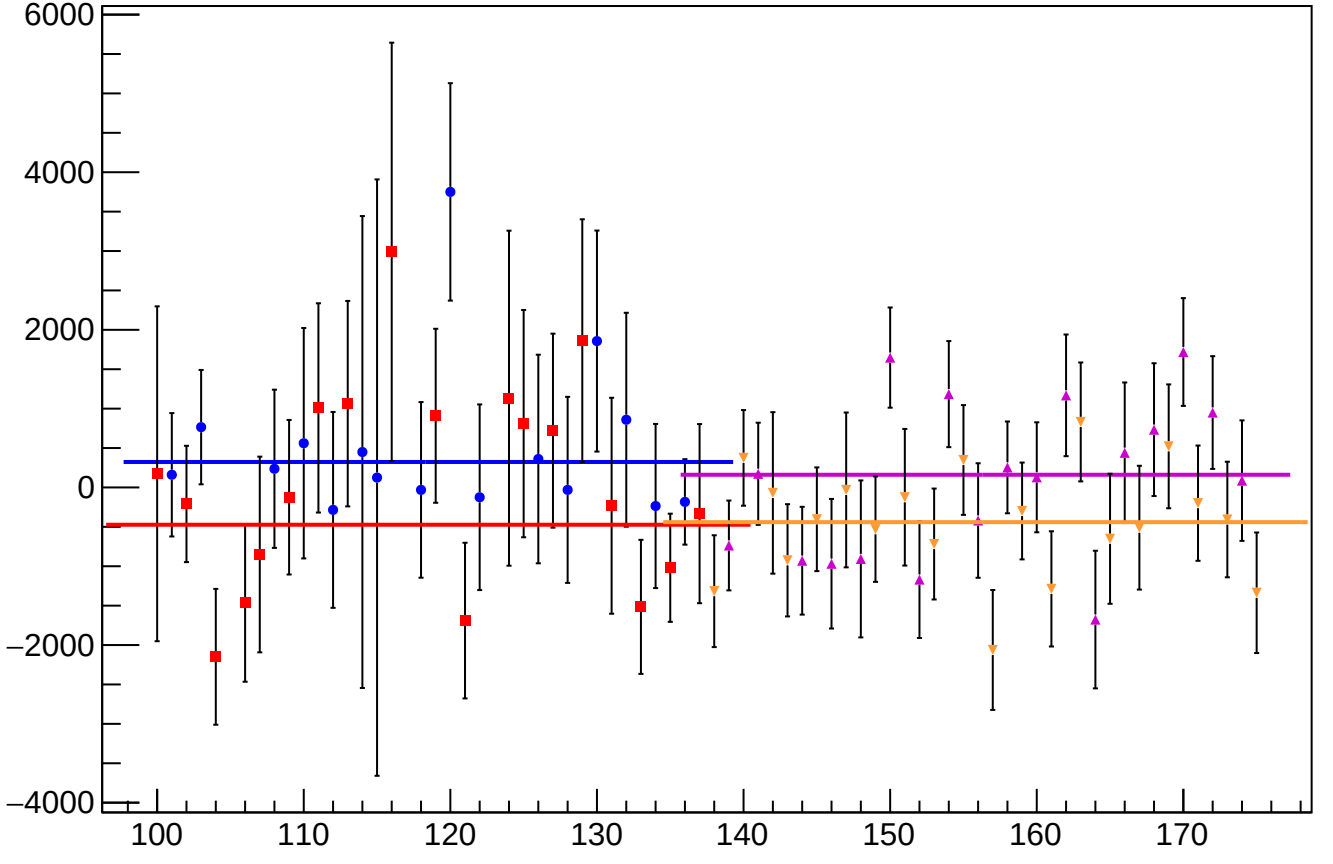
Left In: 658.229+/-0.122 χ^2/NDF:427160.2/17

+ sign 673.727+/-0.101 χ^2/NDF: 1090500.9/35

All: 669.549+/-0.071 χ^2/NDF: 2301394.0/72

- sign 665.318+/-0.101 χ^2/NDF: 1207420.6/36

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -440.343+/-164.898 χ^2/NDF:17.5/19

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

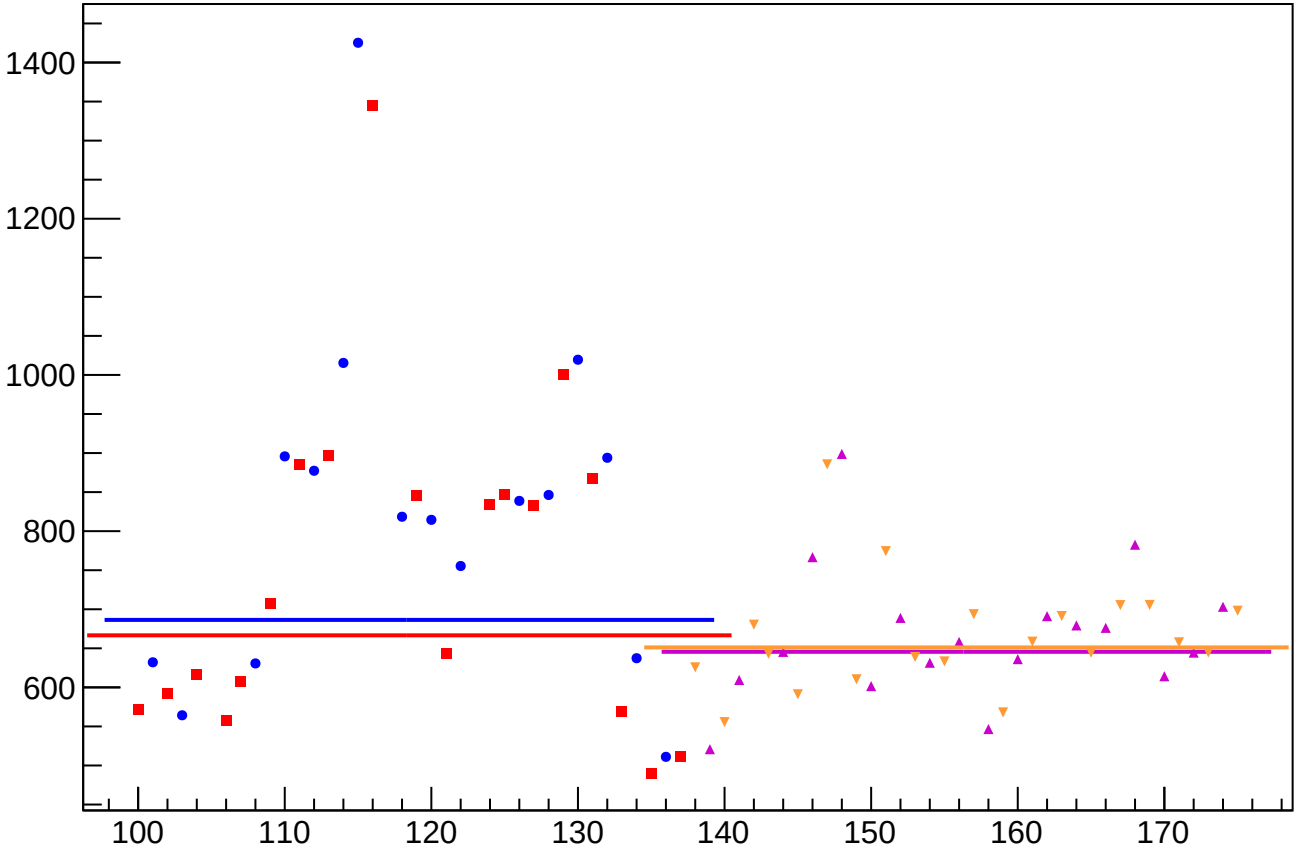
Left In: 160.950+/-169.182 χ^2/NDF:32.8/17

+ sign -224.098+/-139.608 χ^2/NDF: 33.3/35

All: -130.947+/-98.978 χ^2/NDF: 90.8/72

- sign -36.807+/-140.347 χ^2/NDF: 56.6/36

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 651.166+/-0.117 χ^2/NDF:310292.1/19

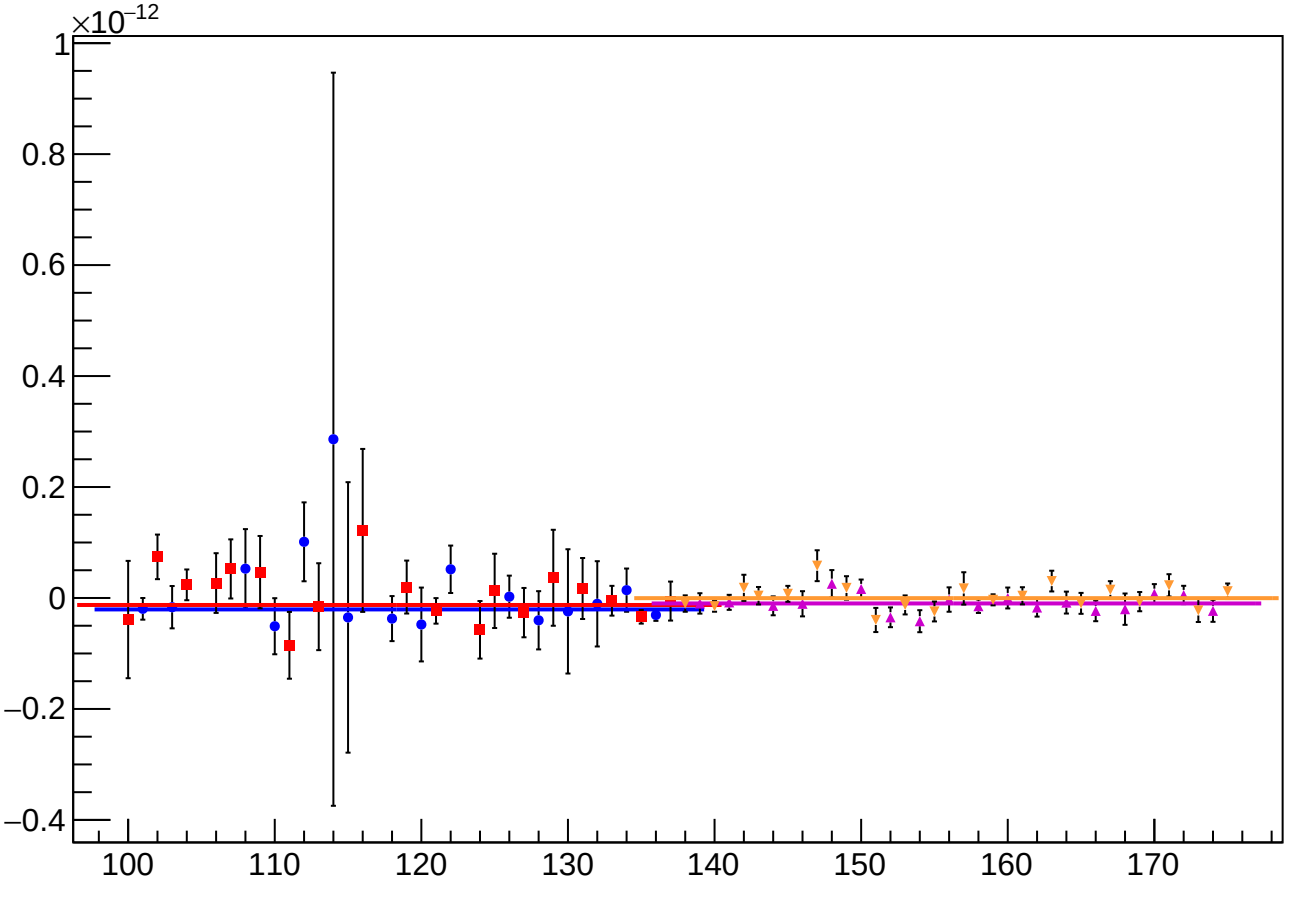
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 645.539+/-0.120 χ^2/NDF:431482.1/17

+ sign 661.143+/-0.099 χ^2/NDF: 1085598.6/35

All: 656.654+/-0.070 χ^2/NDF: 2307968.6/72

- sign 652.117+/-0.099 χ^2/NDF: 1218212.1/36



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

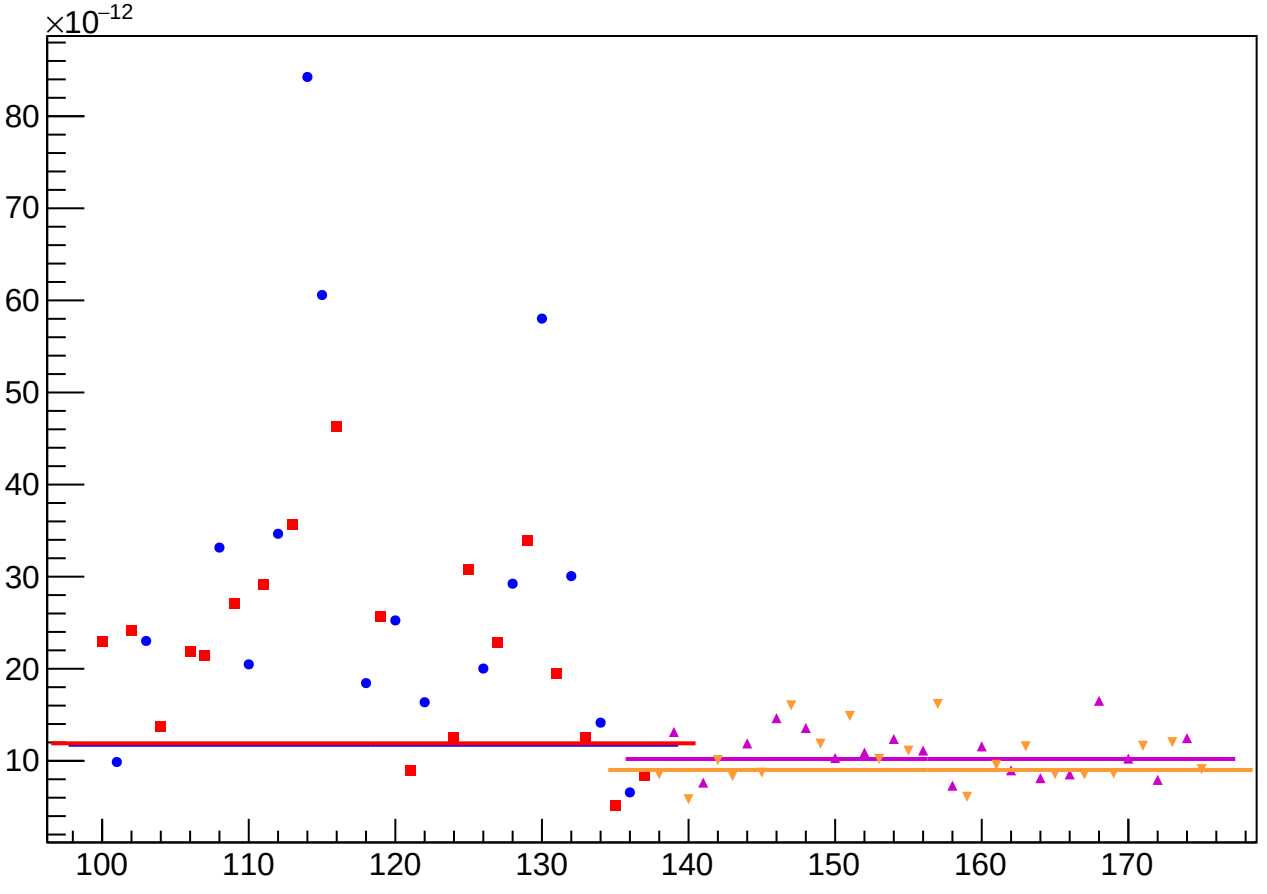
Left In: -0.000+/-0.000 χ^2/NDF:12.9/17

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/35

All: -0.000+/-0.000 χ^2/NDF: 69.4/72

- sign -0.000+/-0.000 χ^2/NDF: 30.0/36

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:972610.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

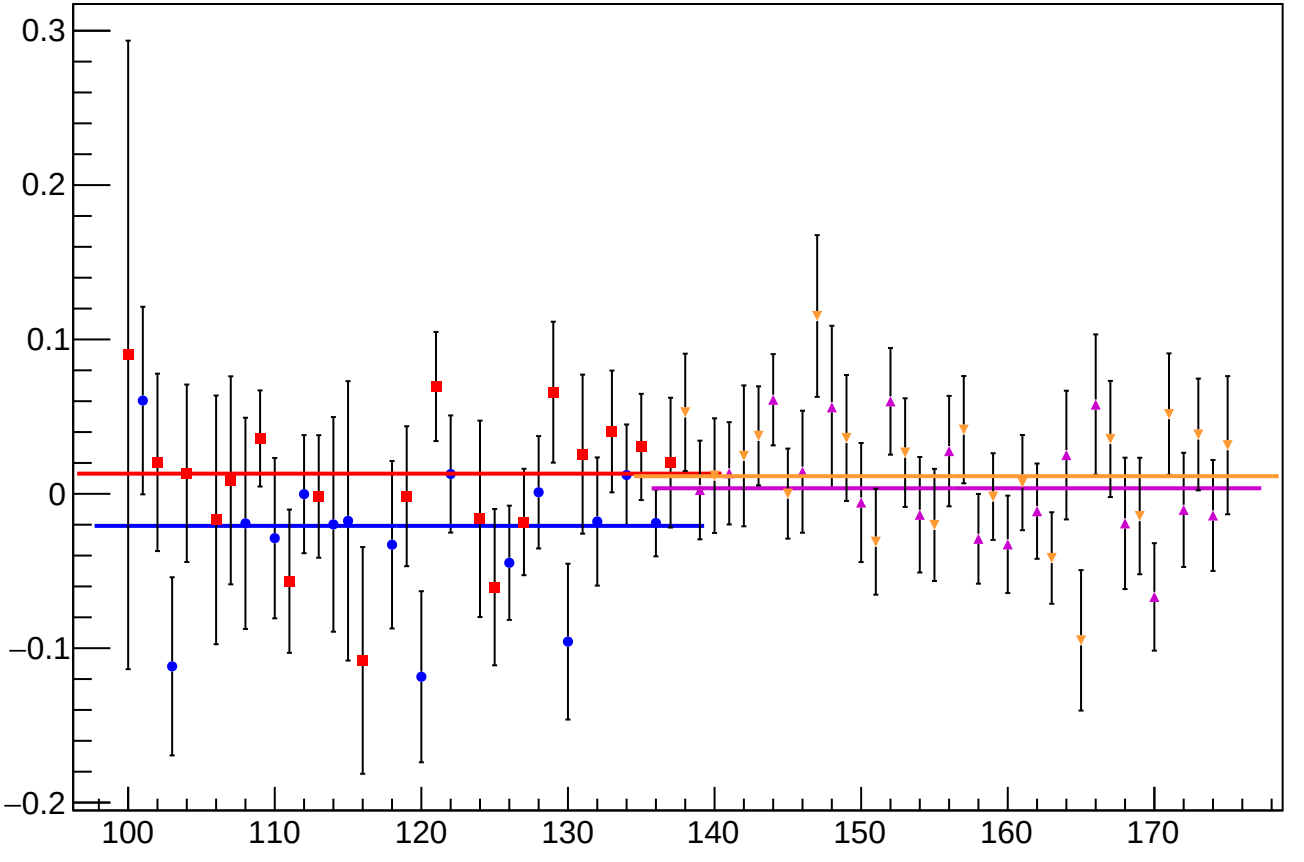
Left In: 0.000+/-0.000 χ^2/NDF:623467.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 3335761.6/35

All: 0.000+/-0.000 χ^2/NDF: 6330611.4/72

- sign 0.000+/-0.000 χ^2/NDF: 2898780.9/36

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/19

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

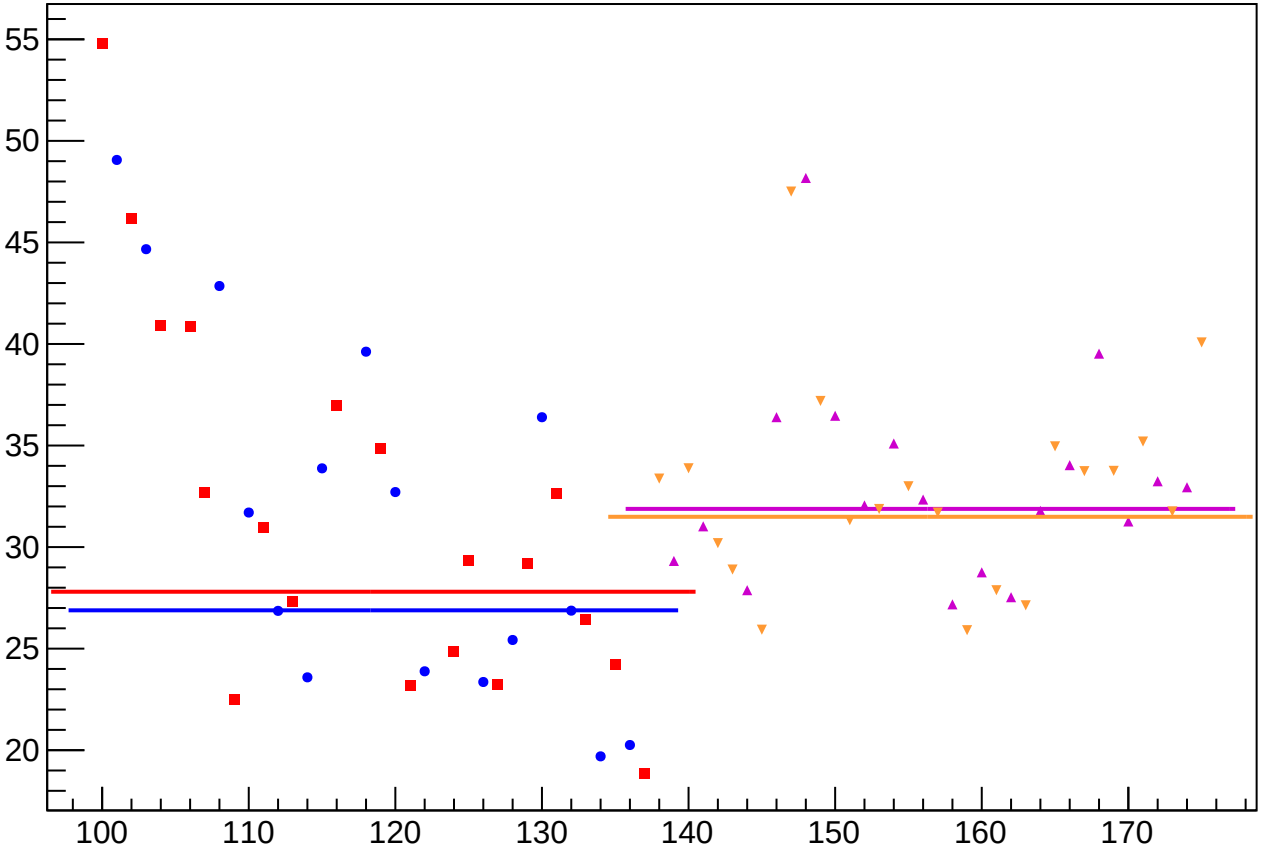
Left In: 0.004+/-0.008 χ^2/NDF:17.6/17

+ sign -0.000+/-0.006 χ^2/NDF: 39.6/35

All: 0.003+/-0.005 χ^2/NDF: 72.3/72

- sign 0.007+/-0.007 χ^2/NDF: 32.0/36

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.491+/-0.006 χ^2/NDF:597292.0/19

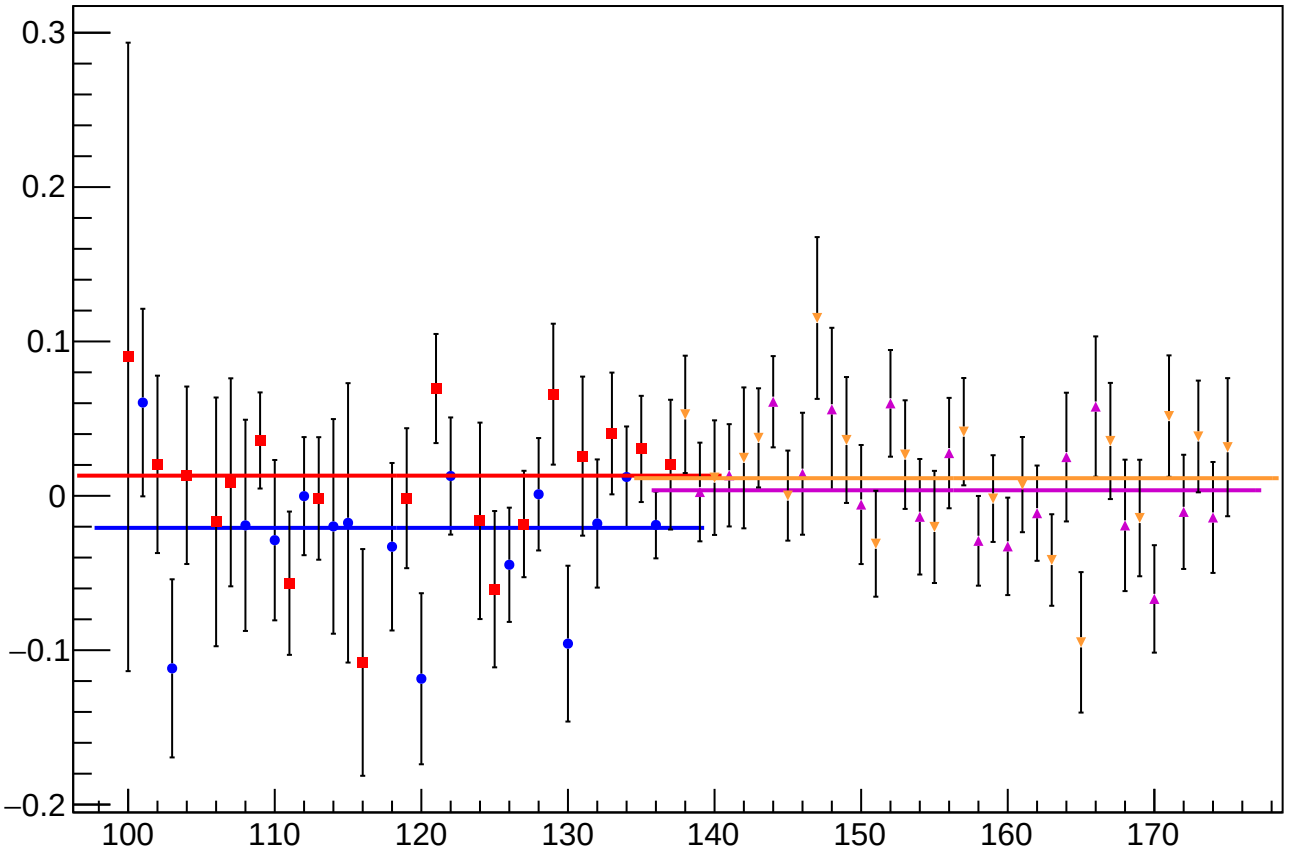
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.881+/-0.006 χ^2/NDF:496630.1/17

+ sign 29.794+/-0.005 χ^2/NDF: 1960347.0/35

All: 30.040+/-0.003 χ^2/NDF: 3409594.8/72

- sign 30.300+/-0.005 χ^2/NDF: 1443125.8/36



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/19

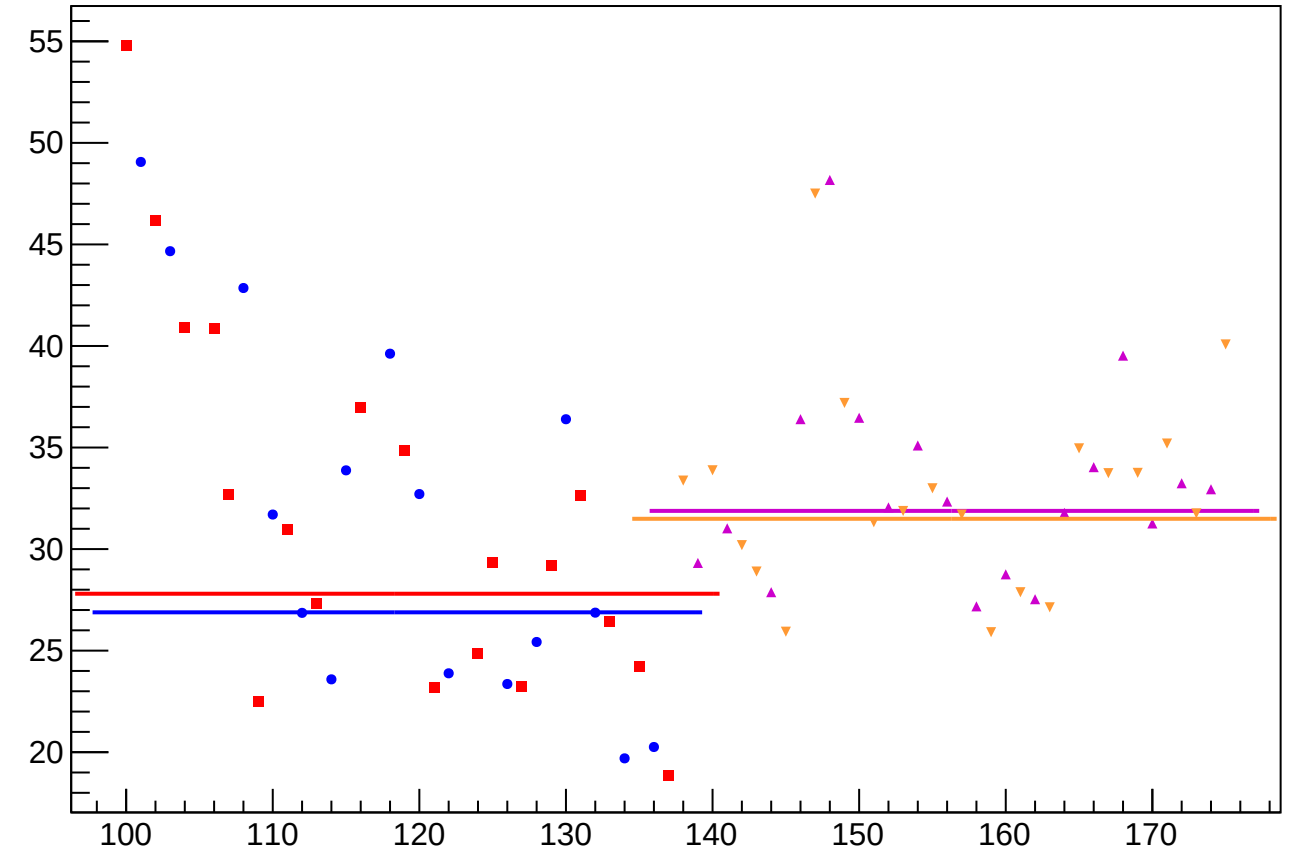
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.004+/-0.008 χ^2/NDF:17.6/17

+ sign -0.000+/-0.006 χ^2/NDF: 39.6/35

All: 0.003+/-0.005 χ^2/NDF: 72.3/72

- sign 0.007+/-0.007 χ^2/NDF: 32.0/36



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.491+/-0.006 χ^2/NDF:597292.0/19

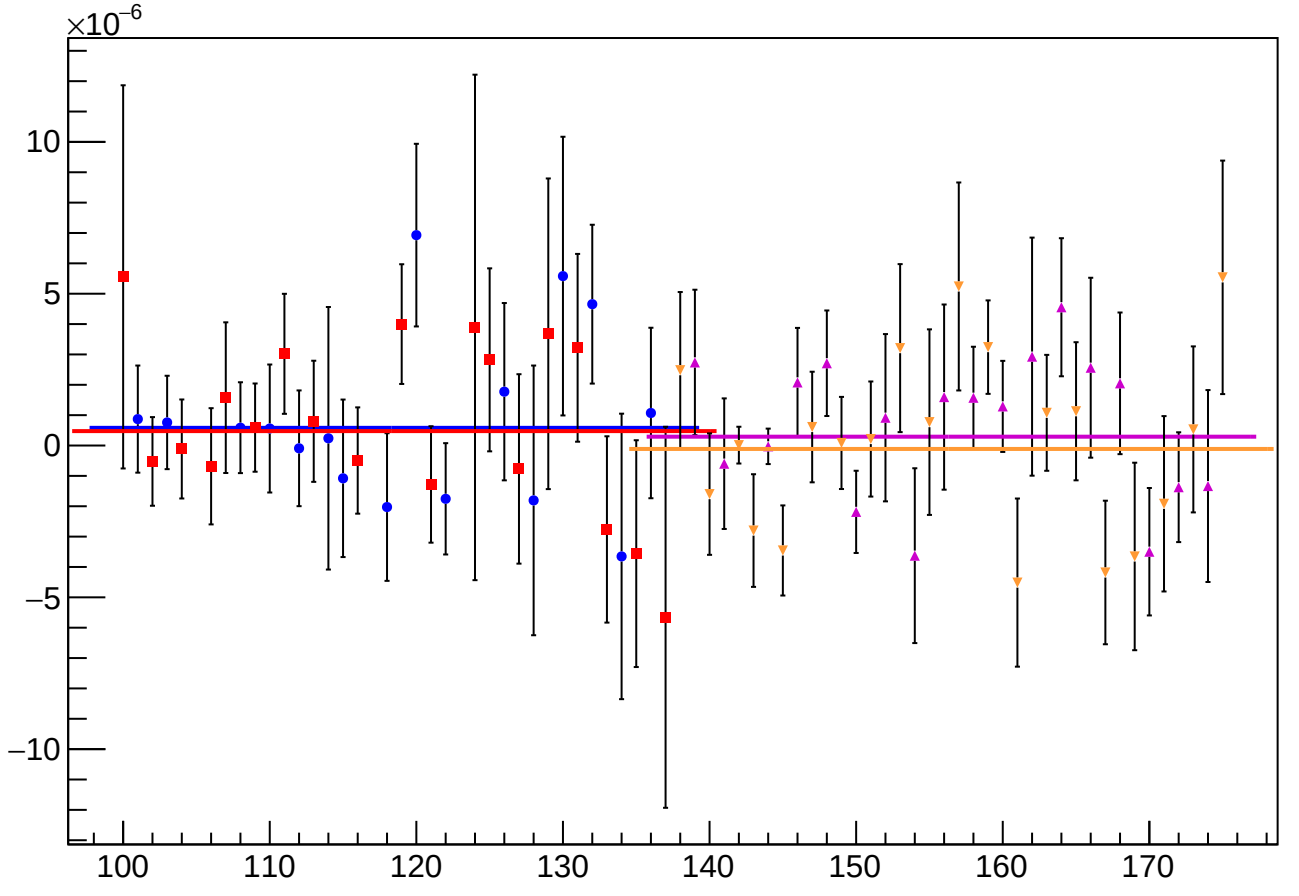
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.881+/-0.006 χ^2/NDF:496630.1/17

\+ sign 29.794+/-0.005 χ^2/NDF: 1960347.0/35

All: 30.040+/-0.003 χ^2/NDF: 3409594.8/72

\- sign 30.300+/-0.005 χ^2/NDF: 1443125.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.8/19

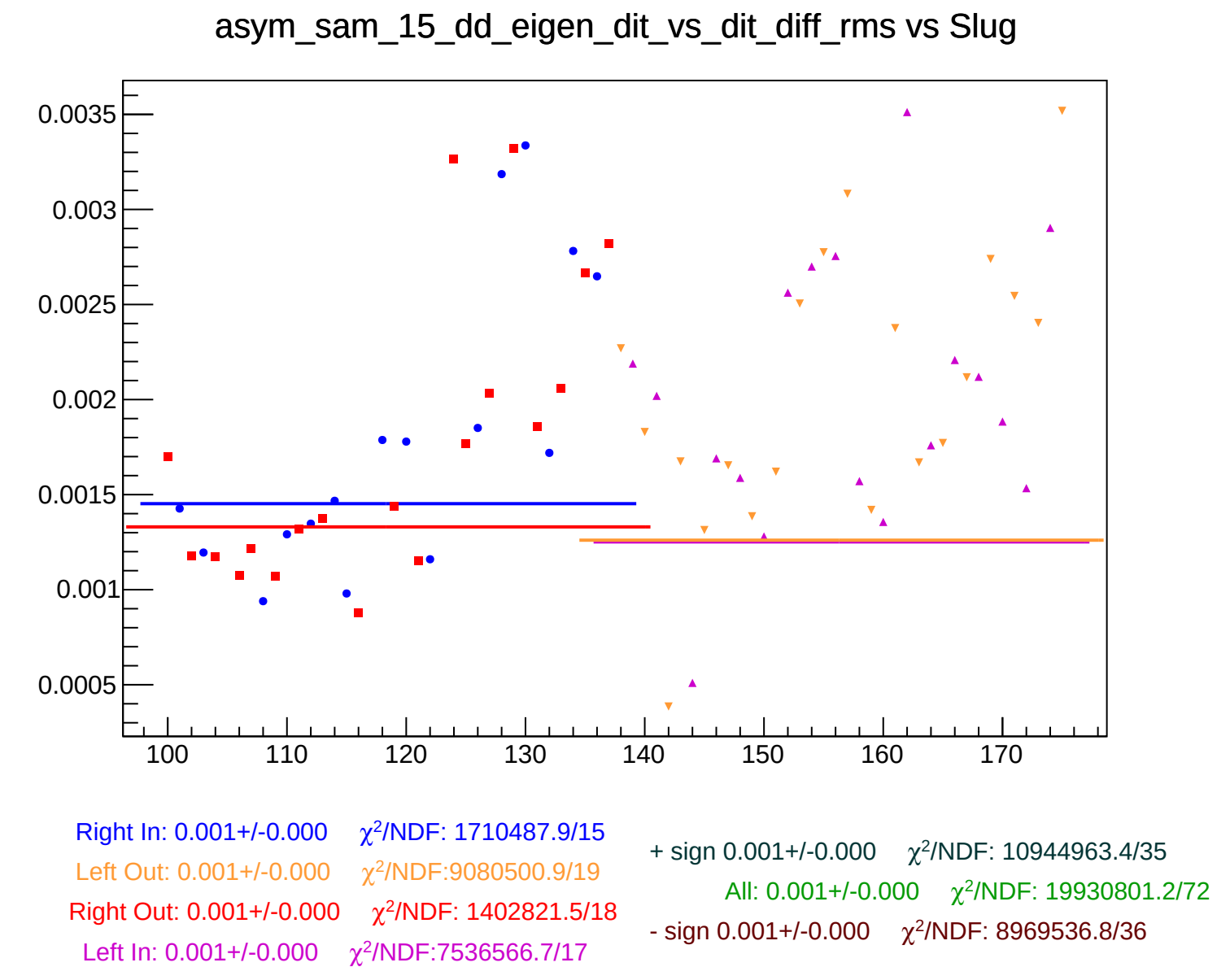
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

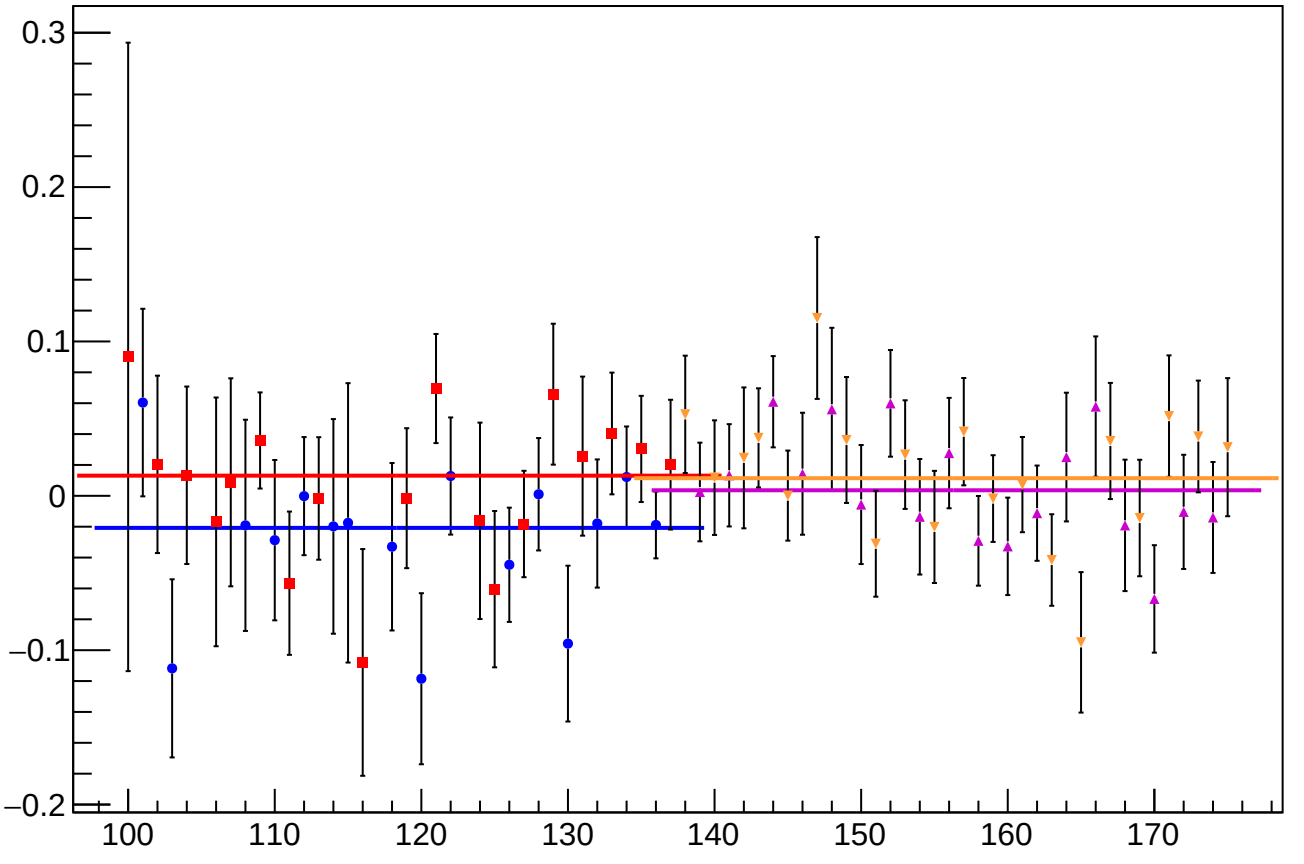
Left In: 0.000+/-0.000 χ^2/NDF:20.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 41.5/35

All: 0.000+/-0.000 χ^2/NDF: 75.5/72

- sign 0.000+/-0.000 χ^2/NDF: 33.7/36


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:9080500.9/19
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:7536566.7/17
+ sign 0.001+/-0.000 χ²/NDF: 10944963.4/35
All: 0.001+/-0.000 χ²/NDF: 19930801.2/72
- sign 0.001+/-0.000 χ²/NDF: 8969536.8/36



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/19

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

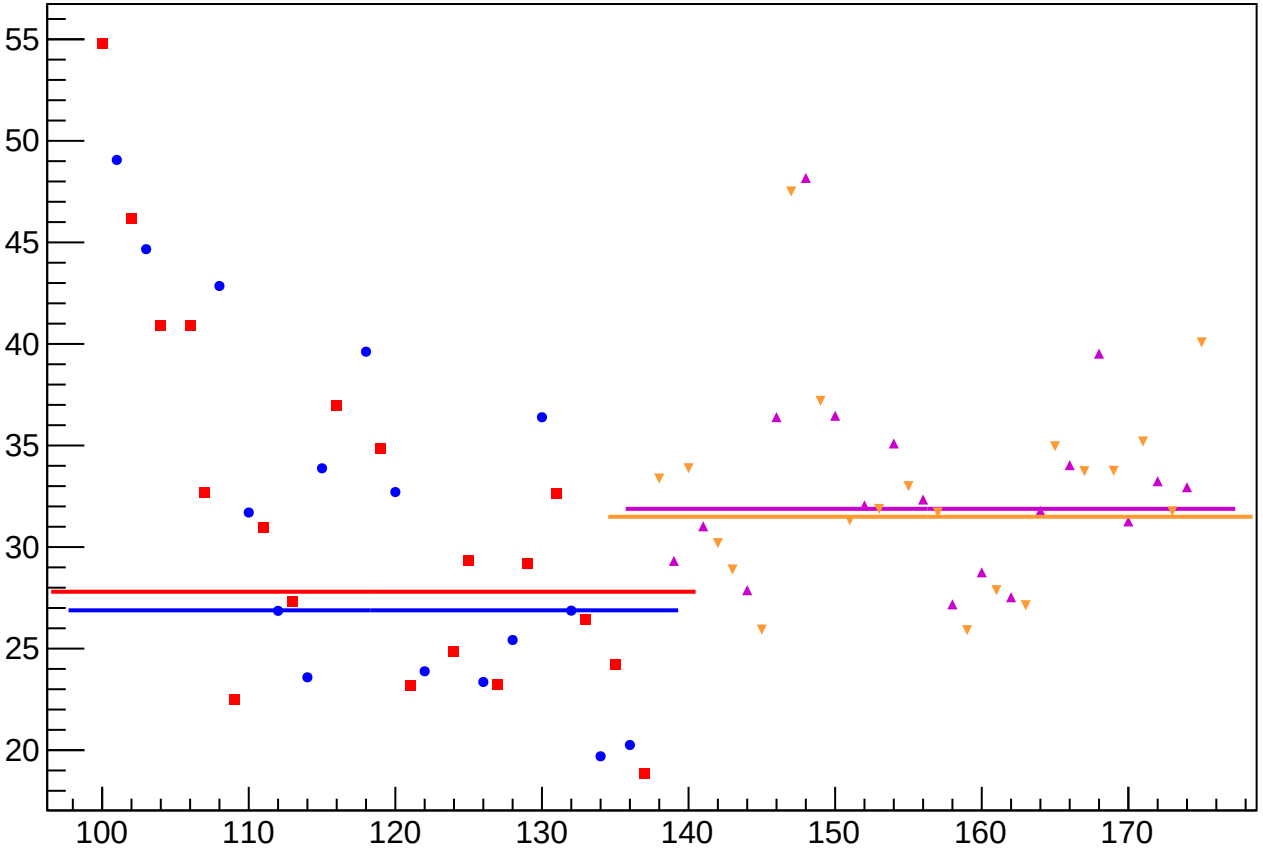
Left In: 0.004+/-0.008 χ^2/NDF:17.6/17

+ sign -0.000+/-0.006 χ^2/NDF: 39.6/35

All: 0.003+/-0.005 χ^2/NDF: 72.3/72

- sign 0.007+/-0.007 χ^2/NDF: 32.0/36

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.491+/-0.006 χ^2/NDF:597421.0/19

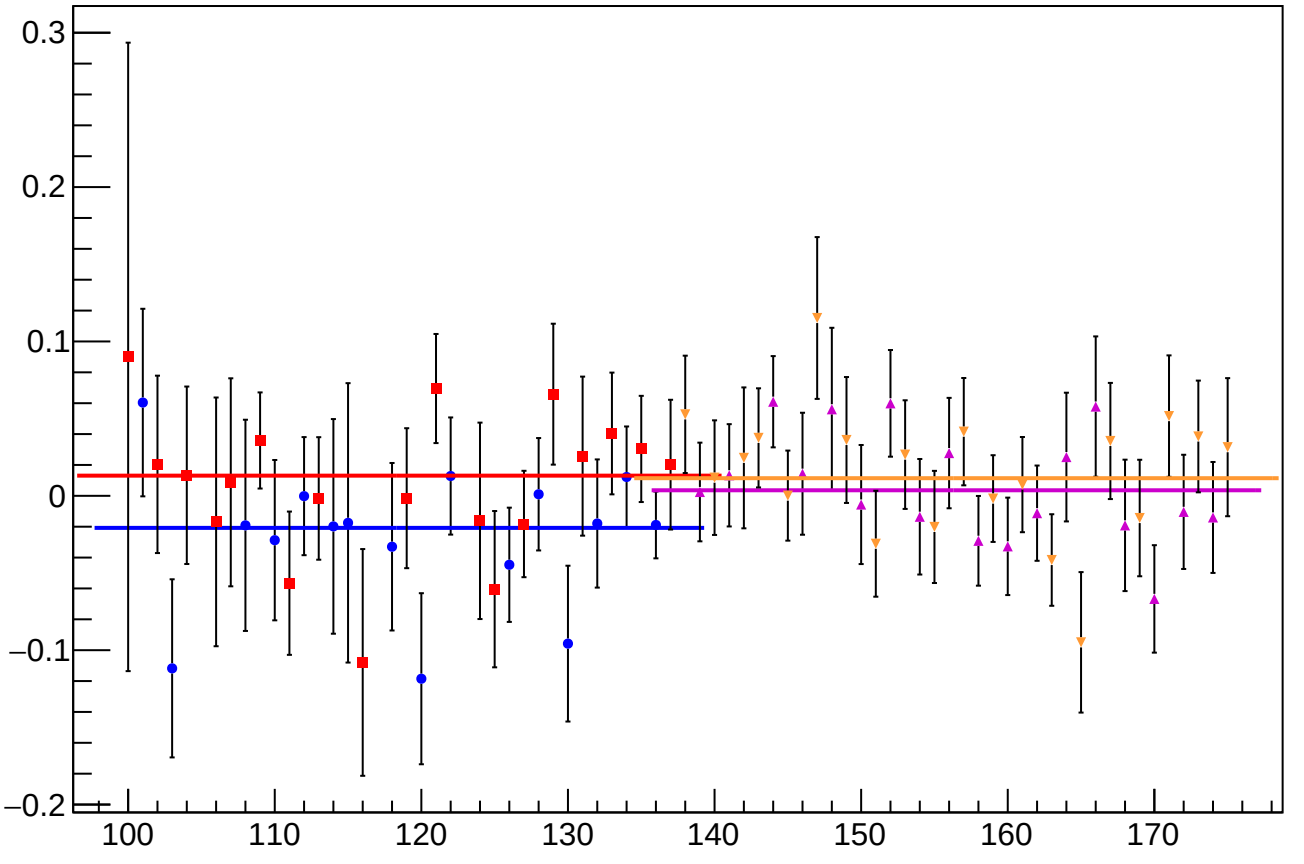
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.881+/-0.006 χ^2/NDF:496735.3/17

+ sign 29.793+/-0.005 χ^2/NDF: 1960583.8/35

All: 30.039+/-0.003 χ^2/NDF: 3410176.0/72

- sign 30.299+/-0.005 χ^2/NDF: 1443474.1/36



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/19

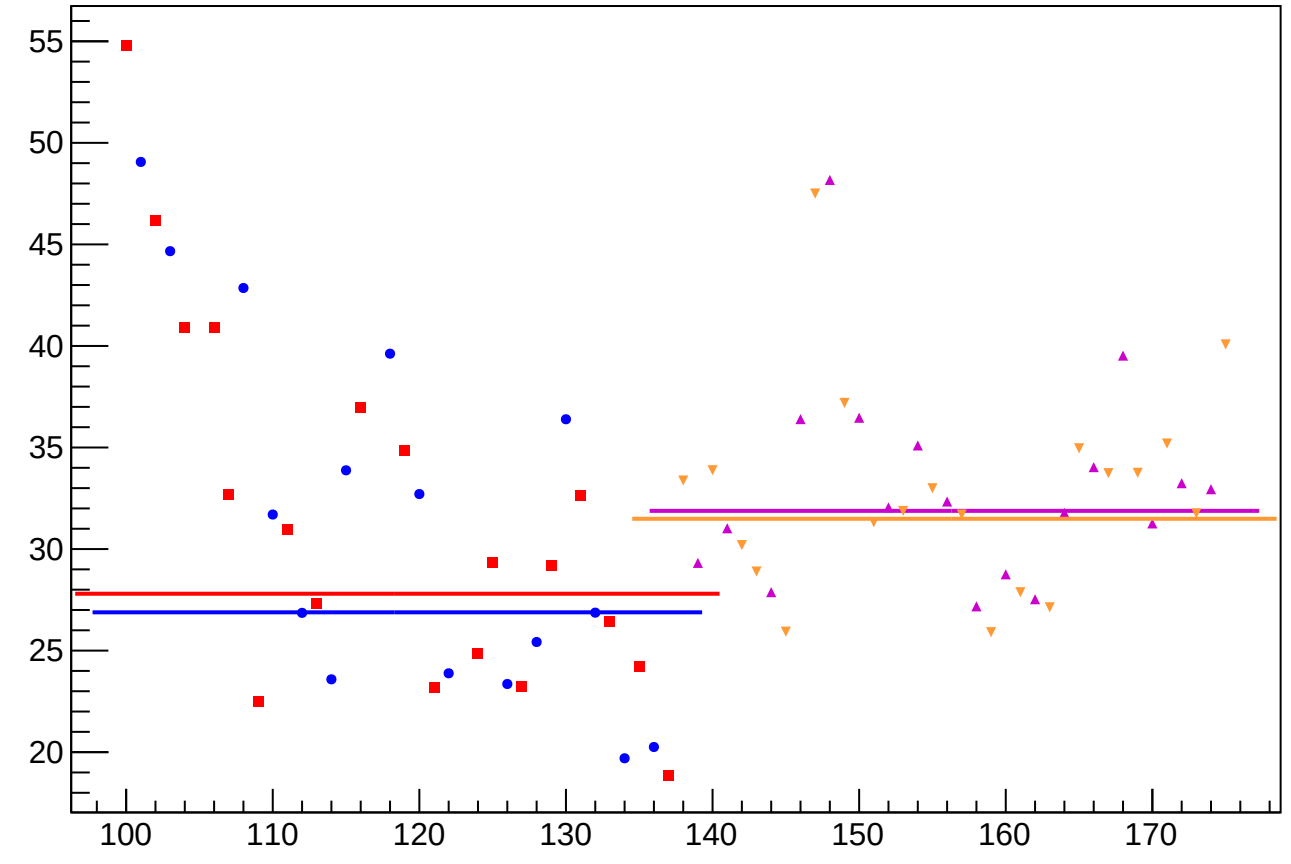
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.004+/-0.008 χ^2/NDF:17.6/17

\+ sign -0.000+/-0.006 χ^2/NDF: 39.6/35

All: 0.003+/-0.005 χ^2/NDF: 72.3/72

\- sign 0.007+/-0.007 χ^2/NDF: 32.0/36



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.491+/-0.006 χ^2/NDF:597421.0/19

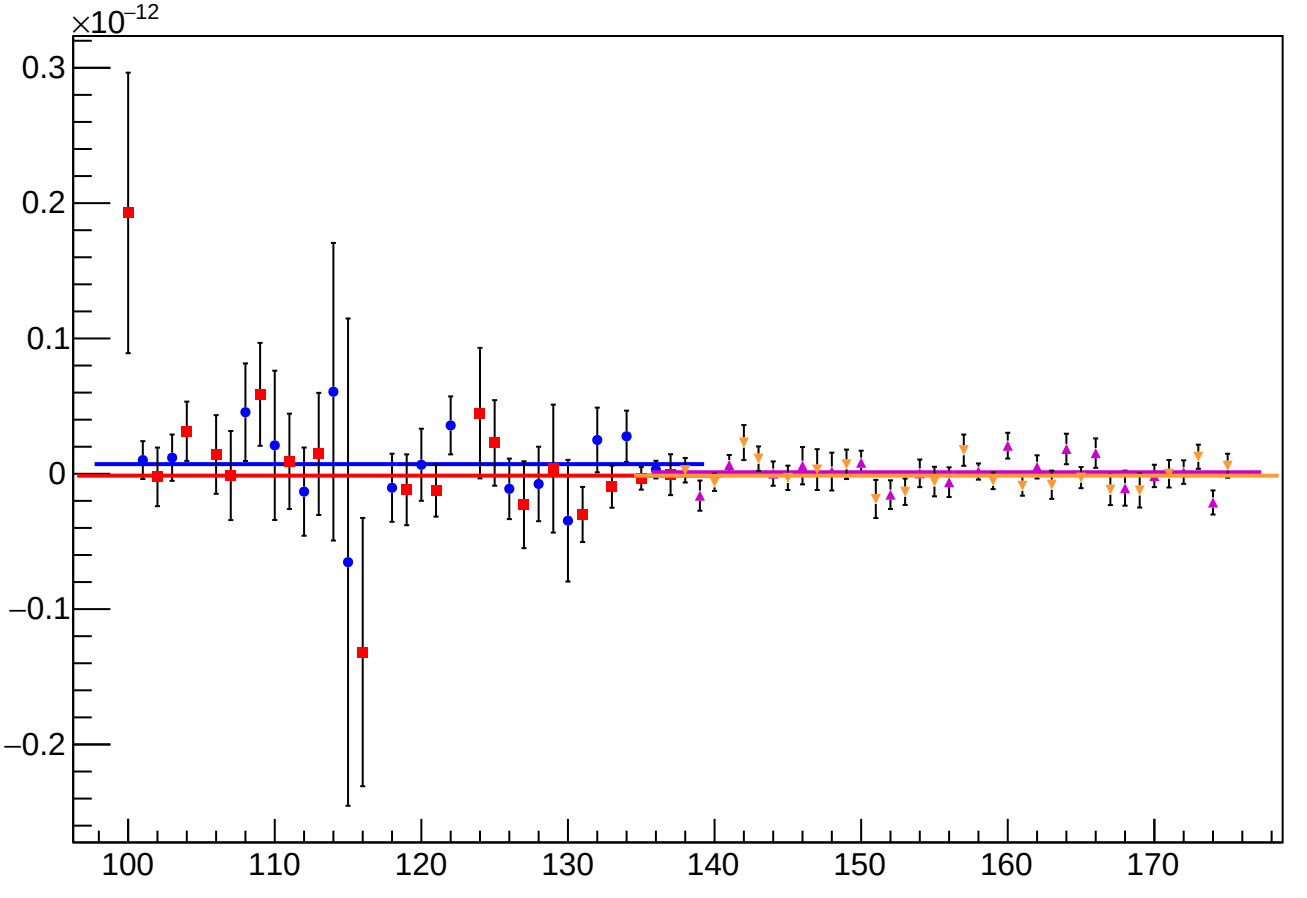
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.881+/-0.006 χ^2/NDF:496735.3/17

+ sign 29.793+/-0.005 χ^2/NDF: 1960583.8/35

All: 30.039+/-0.003 χ^2/NDF: 3410176.0/72

- sign 30.299+/-0.005 χ^2/NDF: 1443474.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/19

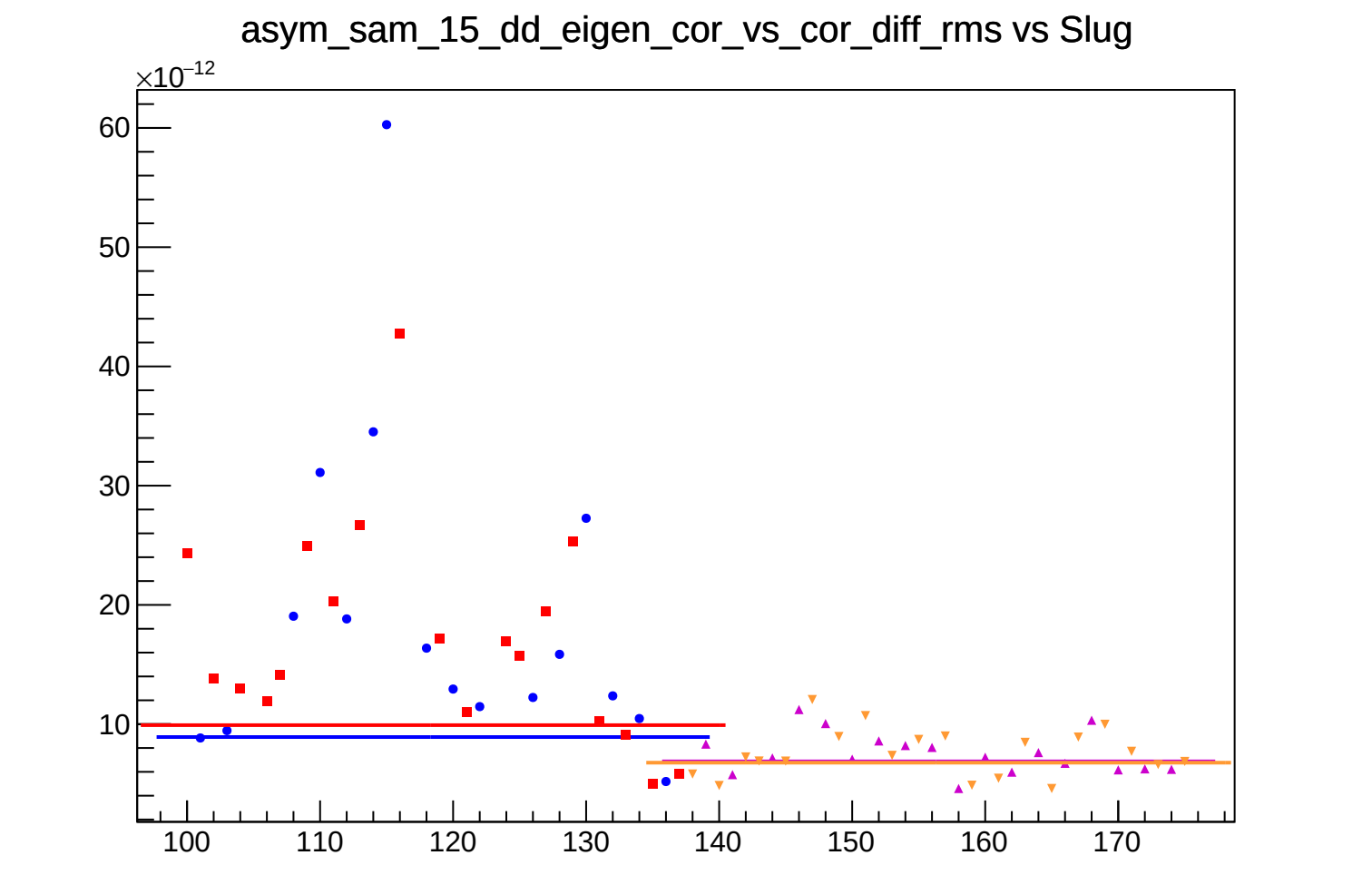
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:22.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 30.6/35

All: 0.000+/-0.000 χ^2/NDF: 68.4/72

- sign 0.000+/-0.000 χ^2/NDF: 37.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1516381.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

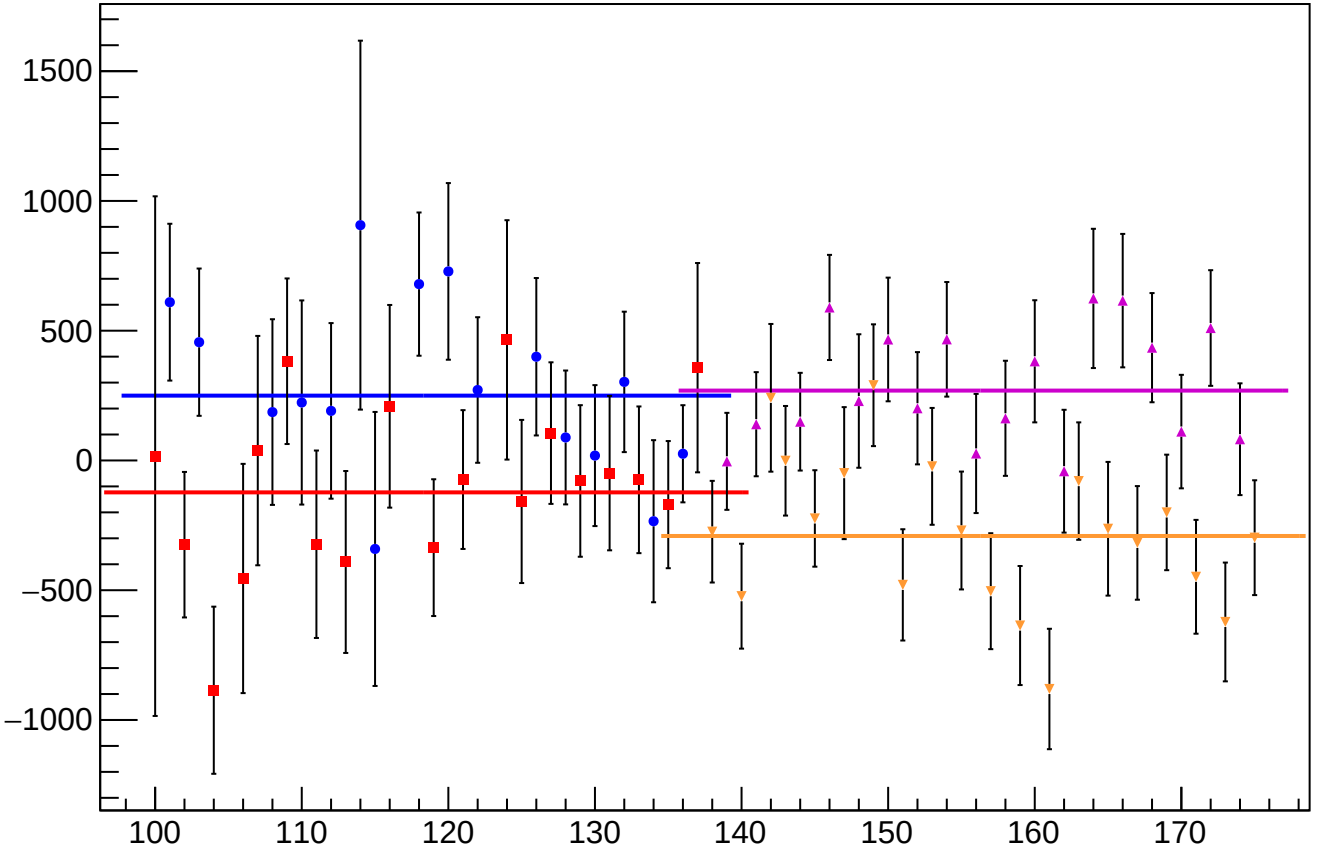
Left In: 0.000+/-0.000 χ^2/NDF:995549.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 4284972.7/35

All: 0.000+/-0.000 χ^2/NDF: 8595096.6/72

- sign 0.000+/-0.000 χ^2/NDF: 4294327.3/36

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -291.010+/-49.852 χ^2/NDF:29.4/19

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

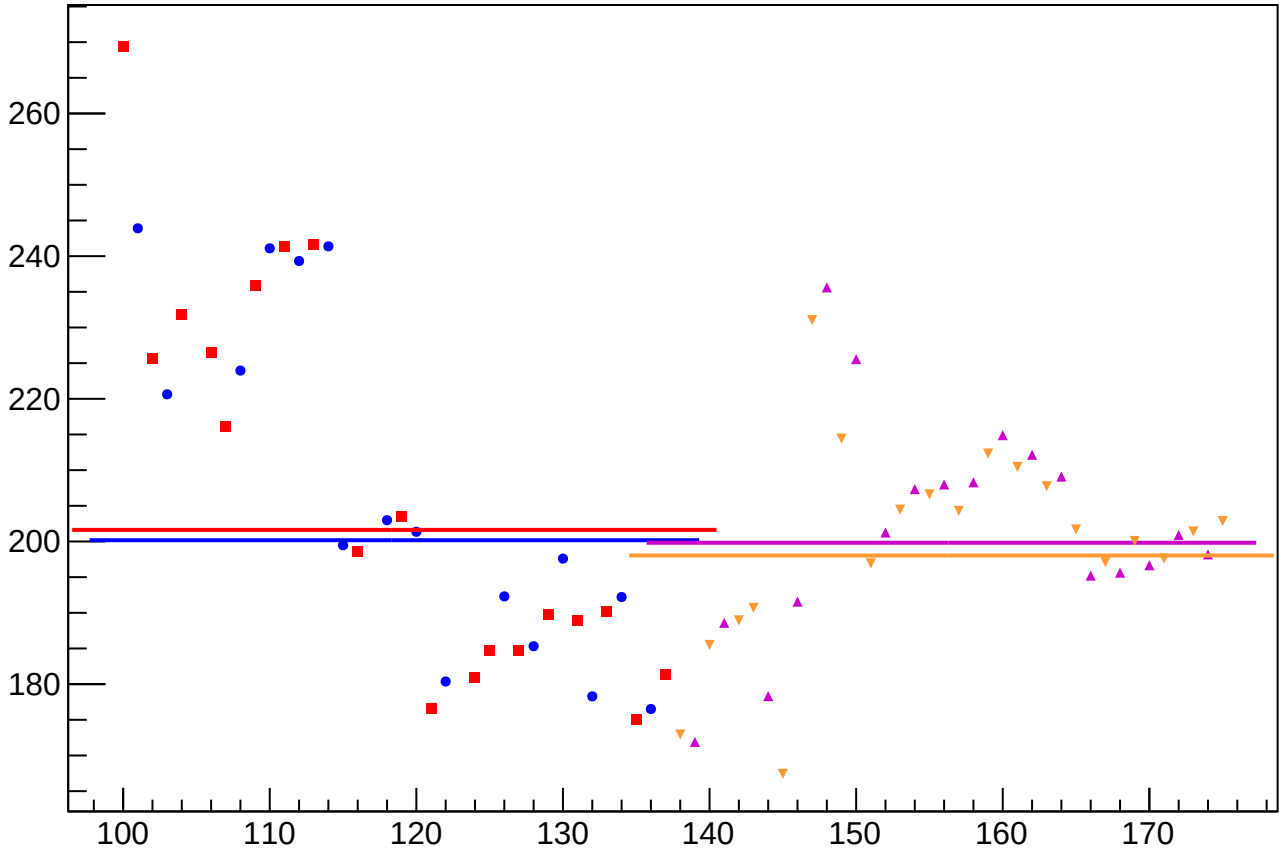
Left In: 269.222+/-51.976 χ^2/NDF:17.0/17

+ sign -124.926+/-41.496 χ^2/NDF: 79.3/35

All: 4.302+/-29.726 χ^2/NDF: 150.4/72

- sign 140.515+/-42.603 χ^2/NDF: 51.2/36

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 198.035+/-0.035 χ^2/NDF:167963.5/19

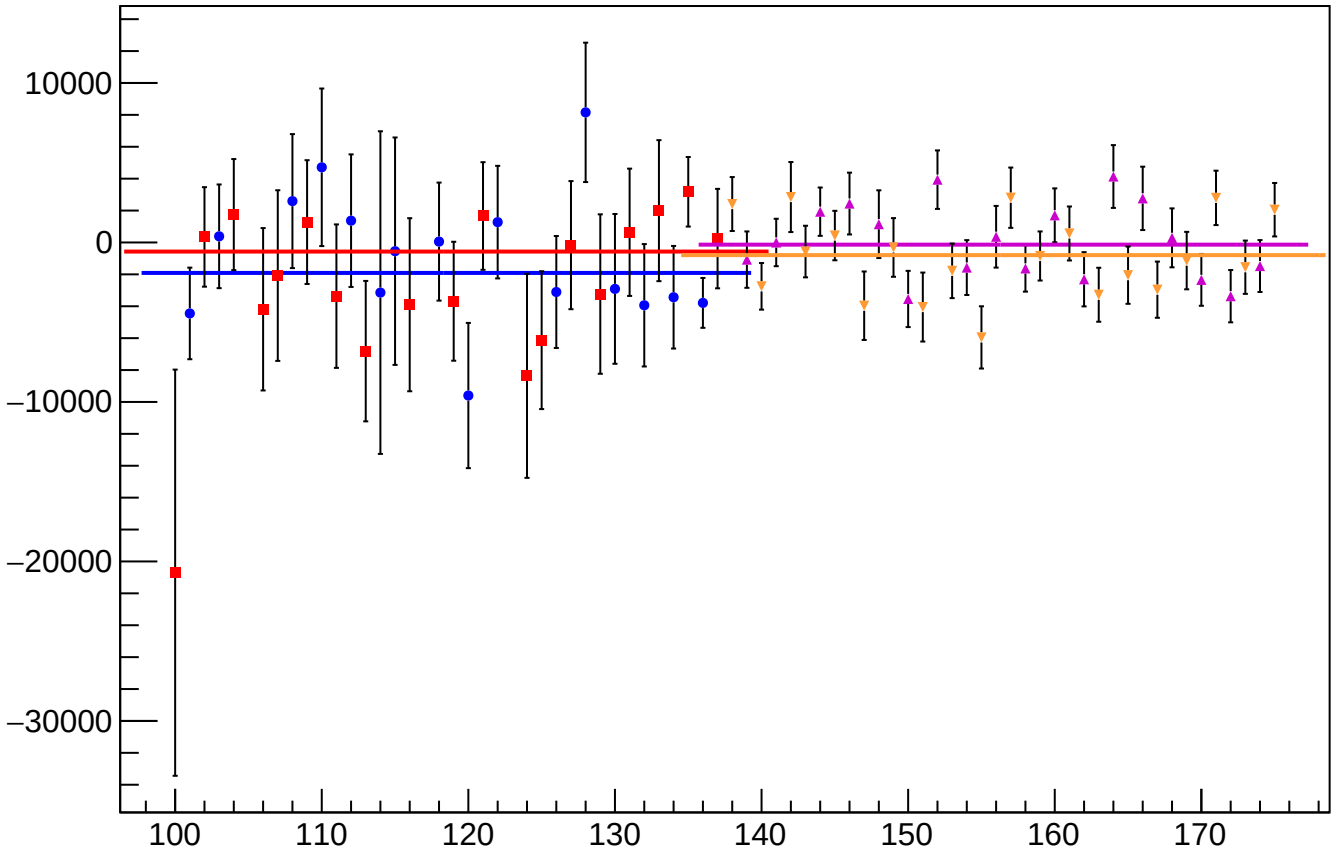
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 199.822+/-0.037 χ^2/NDF:168329.6/17

+ sign 198.693+/-0.029 χ^2/NDF: 350098.7/35

All: 199.531+/-0.021 χ^2/NDF: 718141.5/72

- sign 200.414+/-0.030 χ^2/NDF: 366366.8/36



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -795.085+/-390.600 χ^2/NDF:36.6/19

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

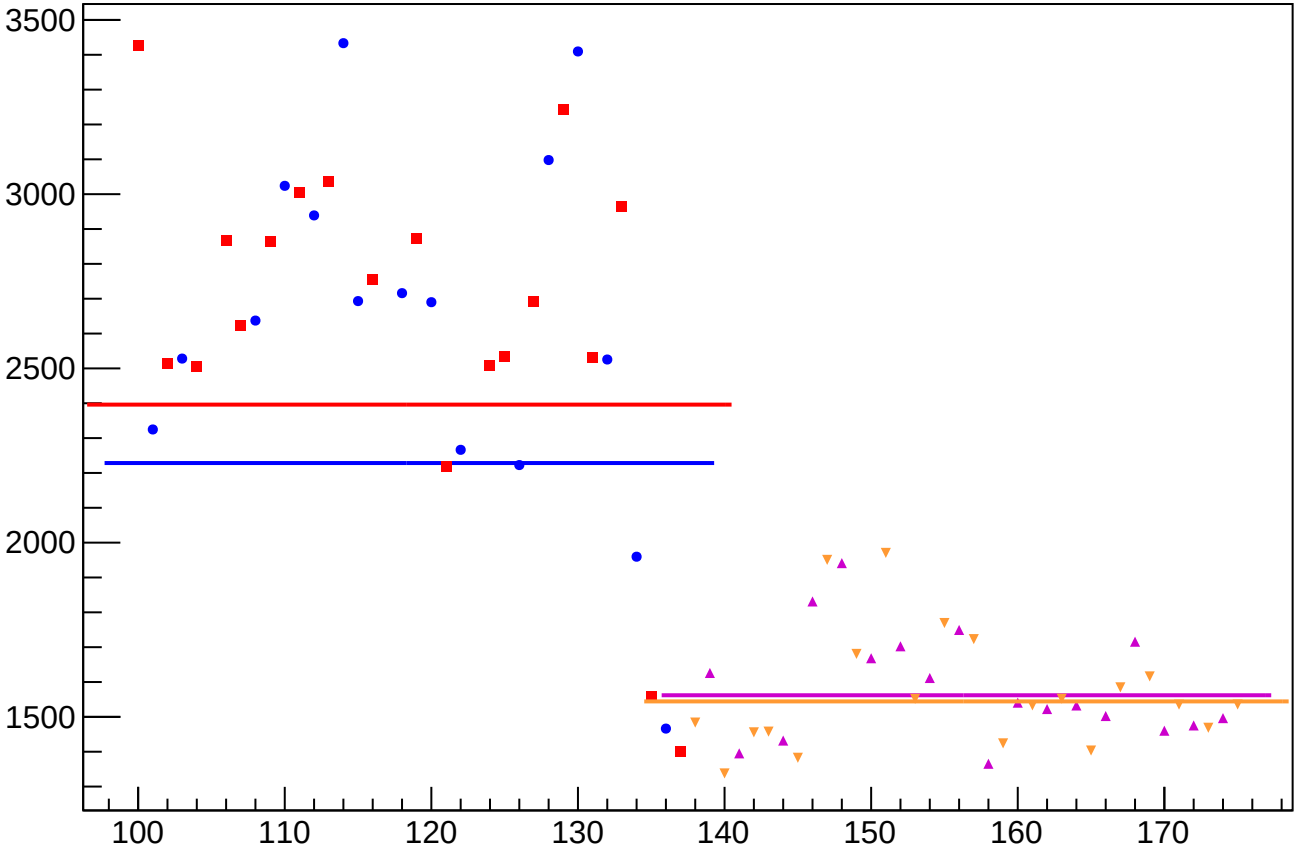
Left In: -137.319+/-407.484 χ^2/NDF:30.9/17

+ sign -986.141+/-355.573 χ^2/NDF: 54.3/35

All: -615.285+/-256.788 χ^2/NDF: 102.3/72

- sign -211.026+/-371.241 χ^2/NDF: 45.7/36

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1544.377+/-0.276 χ^2/NDF:311350.2/19

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

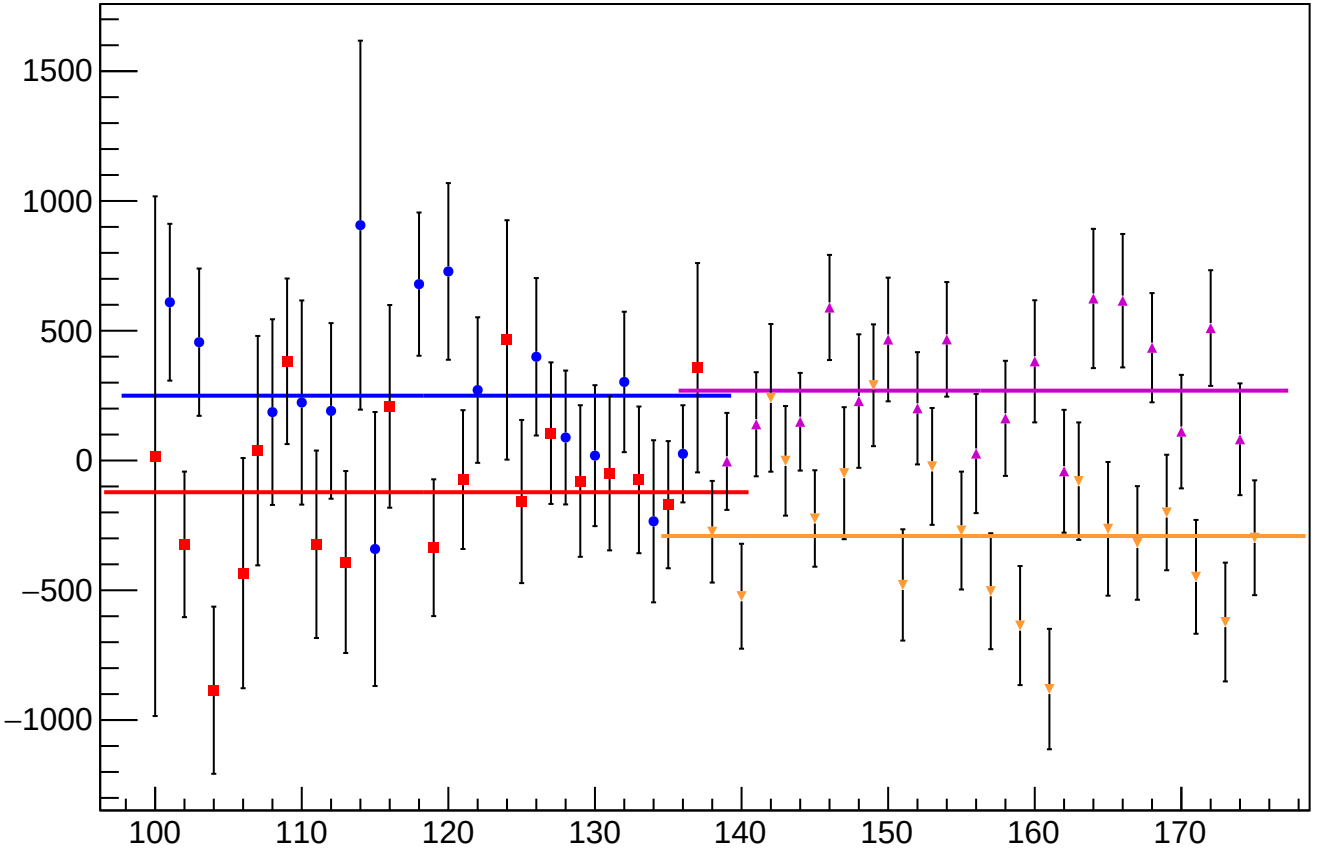
Left In: 1562.035+/-0.288 χ^2/NDF:255034.0/17

+ sign 1661.563+/-0.251 χ^2/NDF: 2309823.7/35

All: 1681.773+/-0.182 χ^2/NDF: 4802028.5/72

- sign 1703.804+/-0.263 χ^2/NDF: 2478700.2/36

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -291.007+/-49.852 χ^2/NDF:29.4/19

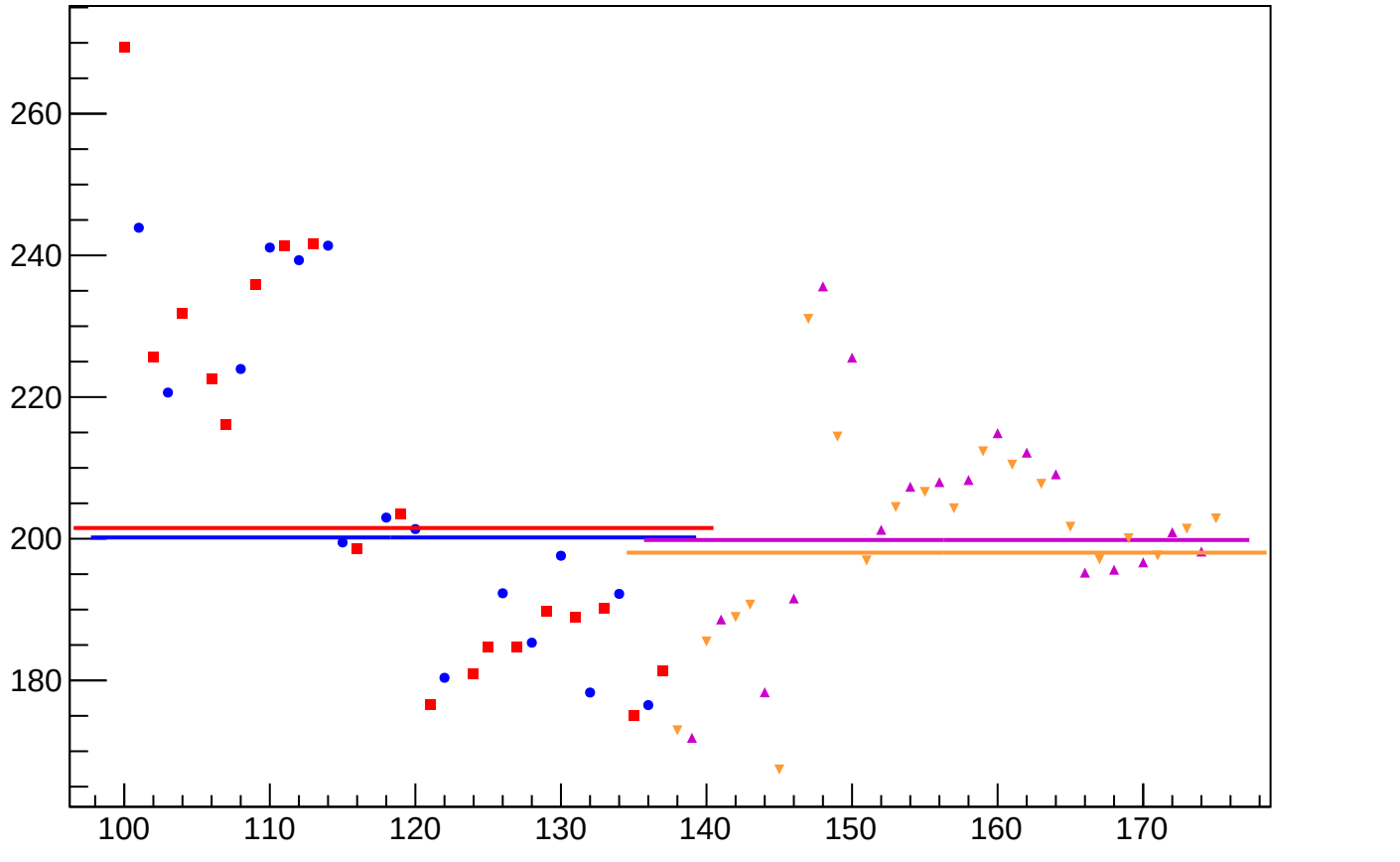
Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 269.225+/-51.976 χ^2/NDF:17.0/17

+ sign -124.924+/-41.496 χ^2/NDF: 79.3/35

All: 4.436+/-29.726 χ^2/NDF: 150.3/72

- sign 140.798+/-42.604 χ^2/NDF: 51.1/36



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 198.035+/-0.035 χ^2/NDF:167963.5/19

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

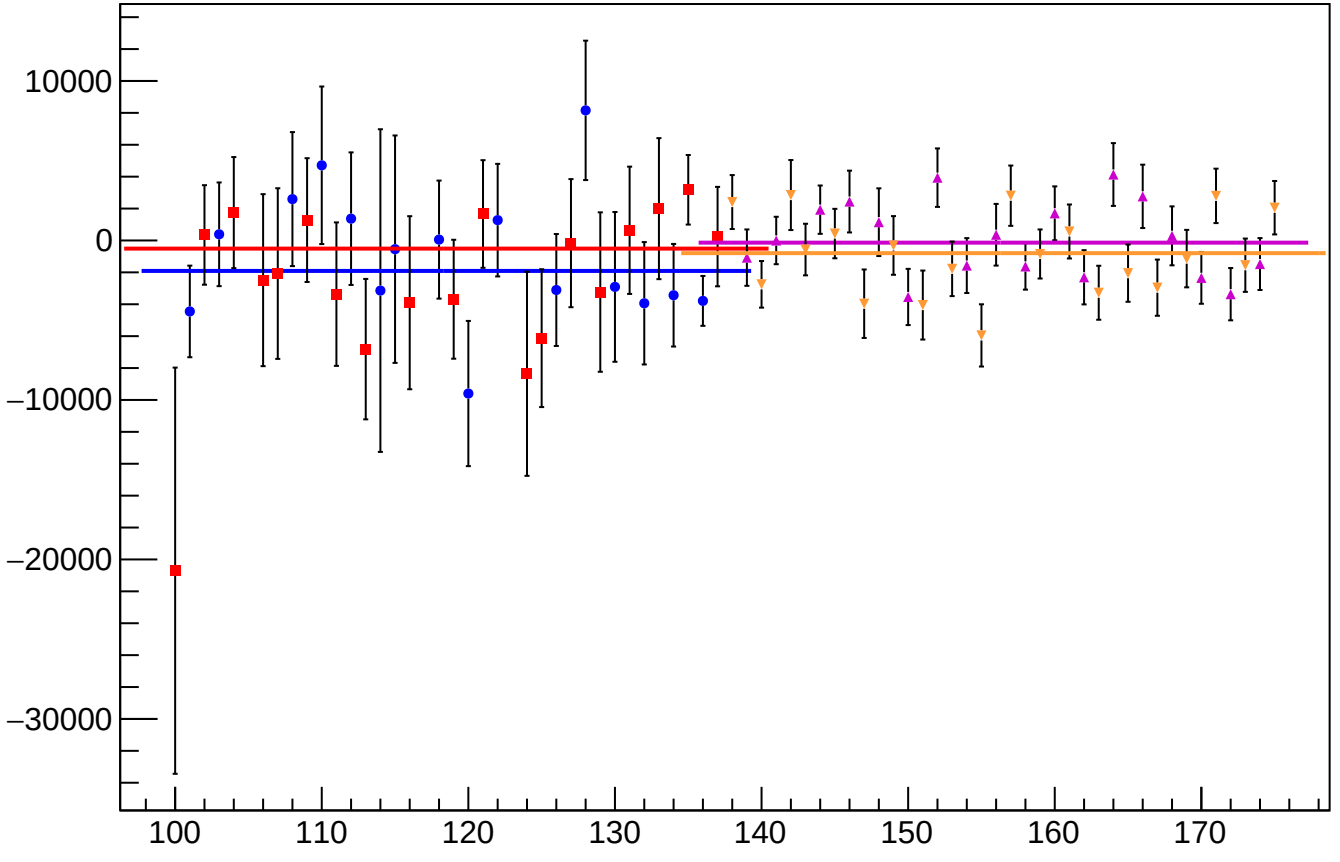
Left In: 199.822+/-0.037 χ^2/NDF:168329.6/17

+ sign 198.693+/-0.029 χ^2/NDF: 350099.0/35

All: 199.513+/-0.021 χ^2/NDF: 716159.8/72

- sign 200.377+/-0.030 χ^2/NDF: 364456.3/36

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -795.085+/-390.600 χ^2/NDF:36.6/19

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

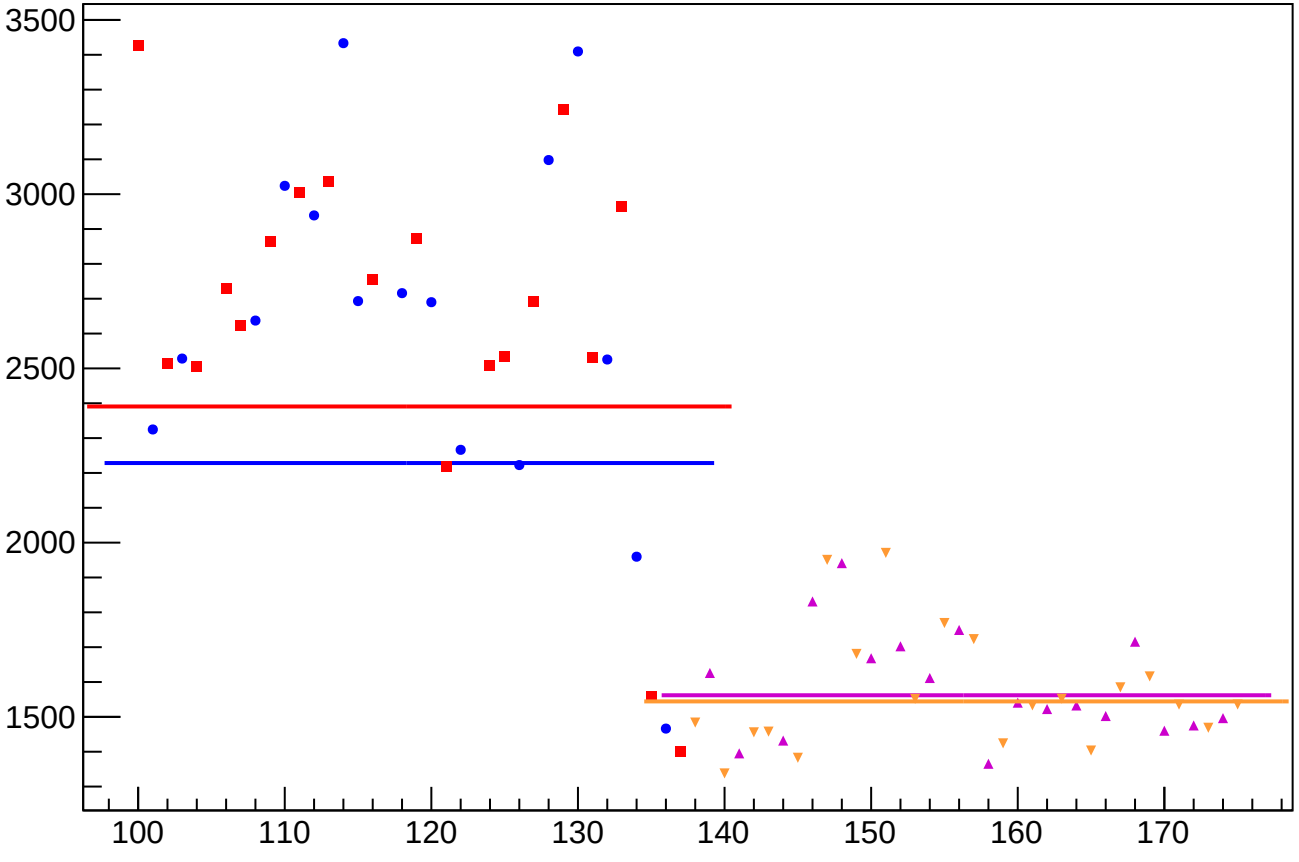
Left In: -137.323+/-407.485 χ^2/NDF:30.9/17

+ sign -986.133+/-355.573 χ^2/NDF: 54.3/35

All: -610.457+/-256.825 χ^2/NDF: 101.9/72

- sign -200.704+/-371.350 χ^2/NDF: 45.3/36

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.378+/-0.276 χ^2/NDF:311350.2/19

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

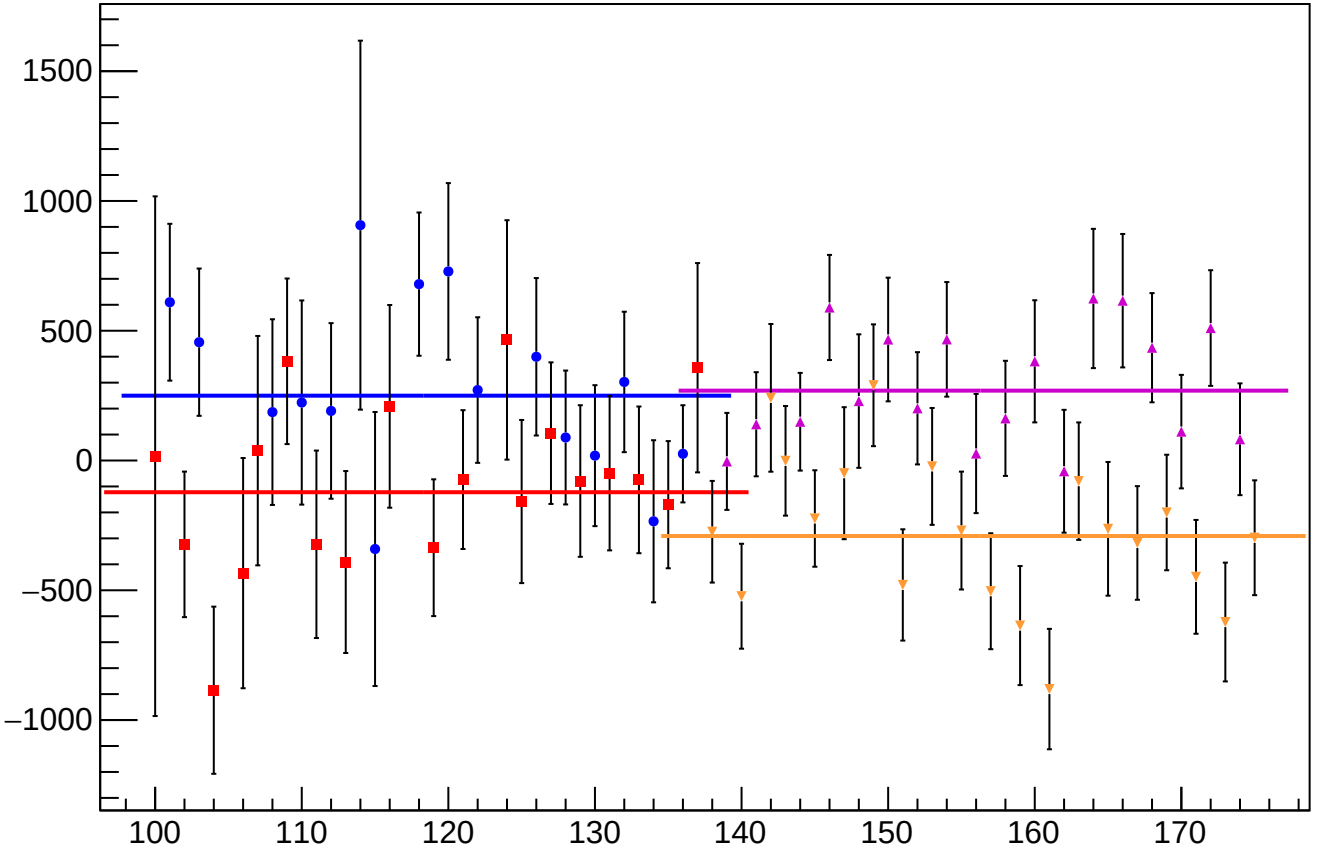
Left In: 1562.035+/-0.288 χ^2/NDF:255035.2/17

+ sign 1661.563+/-0.251 χ^2/NDF: 2309835.2/35

All: 1681.139+/-0.182 χ^2/NDF: 4769518.6/72

- sign 1702.490+/-0.263 χ^2/NDF: 2447010.1/36

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -291.007+/-49.852 χ^2/NDF:29.4/19

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

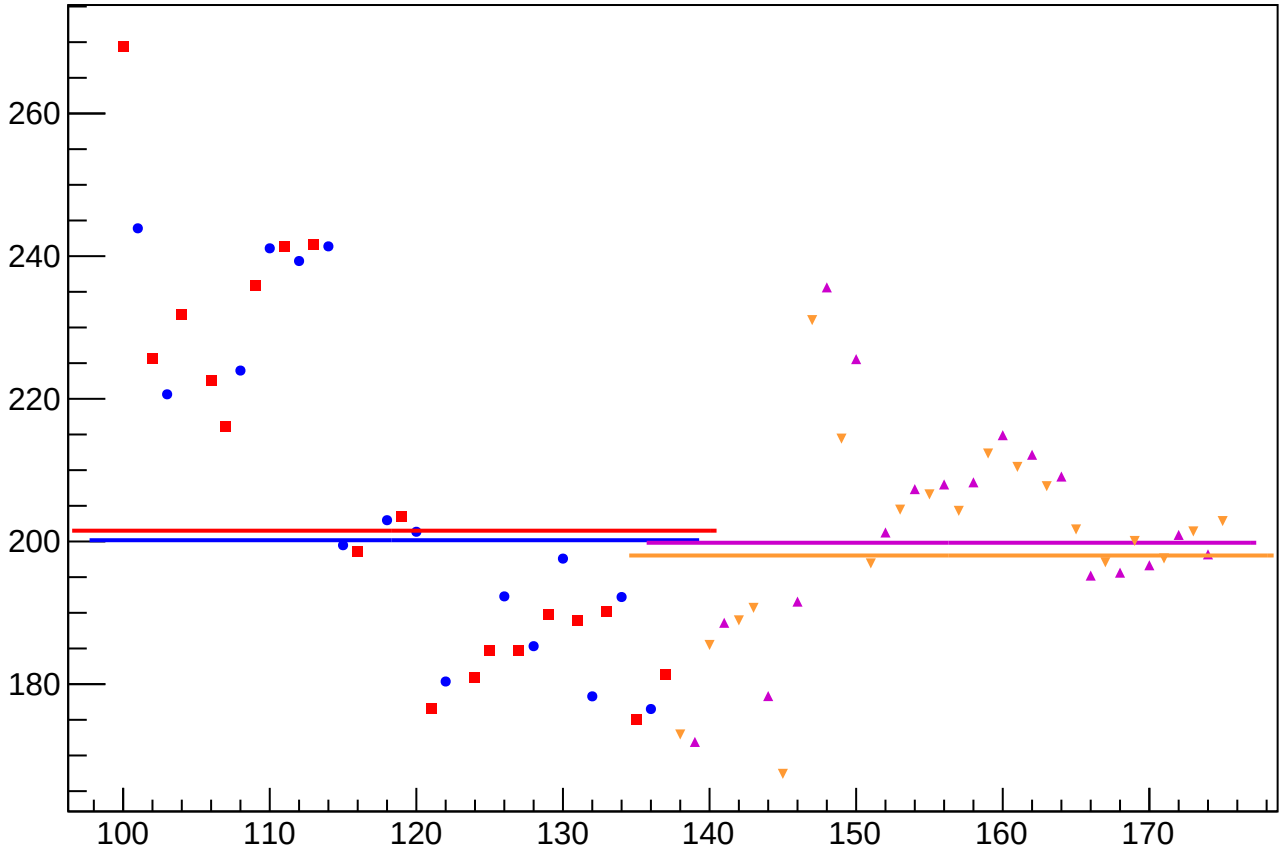
Left In: 269.225+/-51.976 χ^2/NDF:17.0/17

+ sign -124.924+/-41.496 χ^2/NDF: 79.3/35

All: 4.436+/-29.726 χ^2/NDF: 150.3/72

- sign 140.798+/-42.604 χ^2/NDF: 51.1/36

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 198.035+/-0.035 χ^2/NDF:167963.5/19

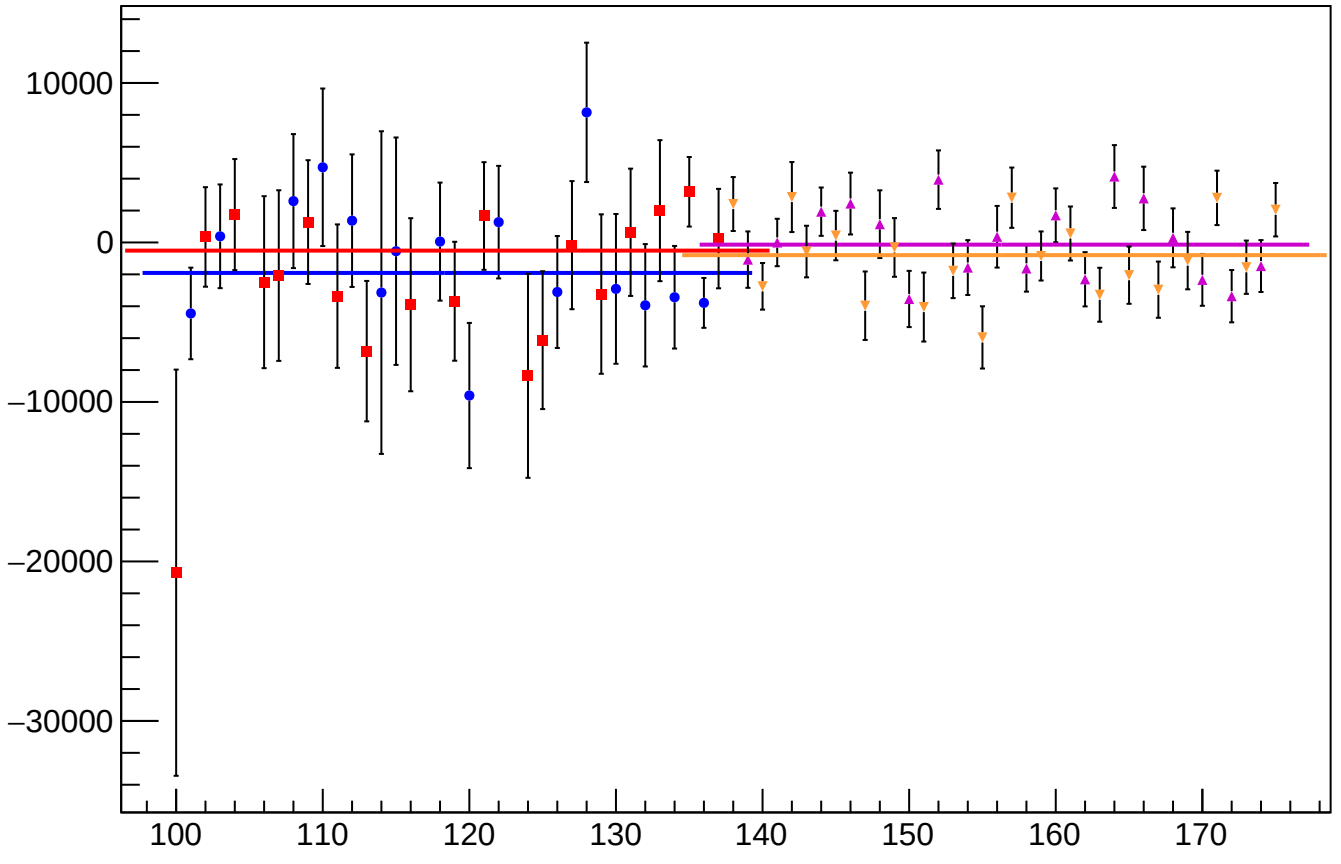
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.822+/-0.037 χ^2/NDF:168329.6/17

+ sign 198.693+/-0.029 χ^2/NDF: 350099.0/35

All: 199.513+/-0.021 χ^2/NDF: 716159.8/72

- sign 200.377+/-0.030 χ^2/NDF: 364456.3/36



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -795.085+/-390.600 χ^2/NDF:36.6/19

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

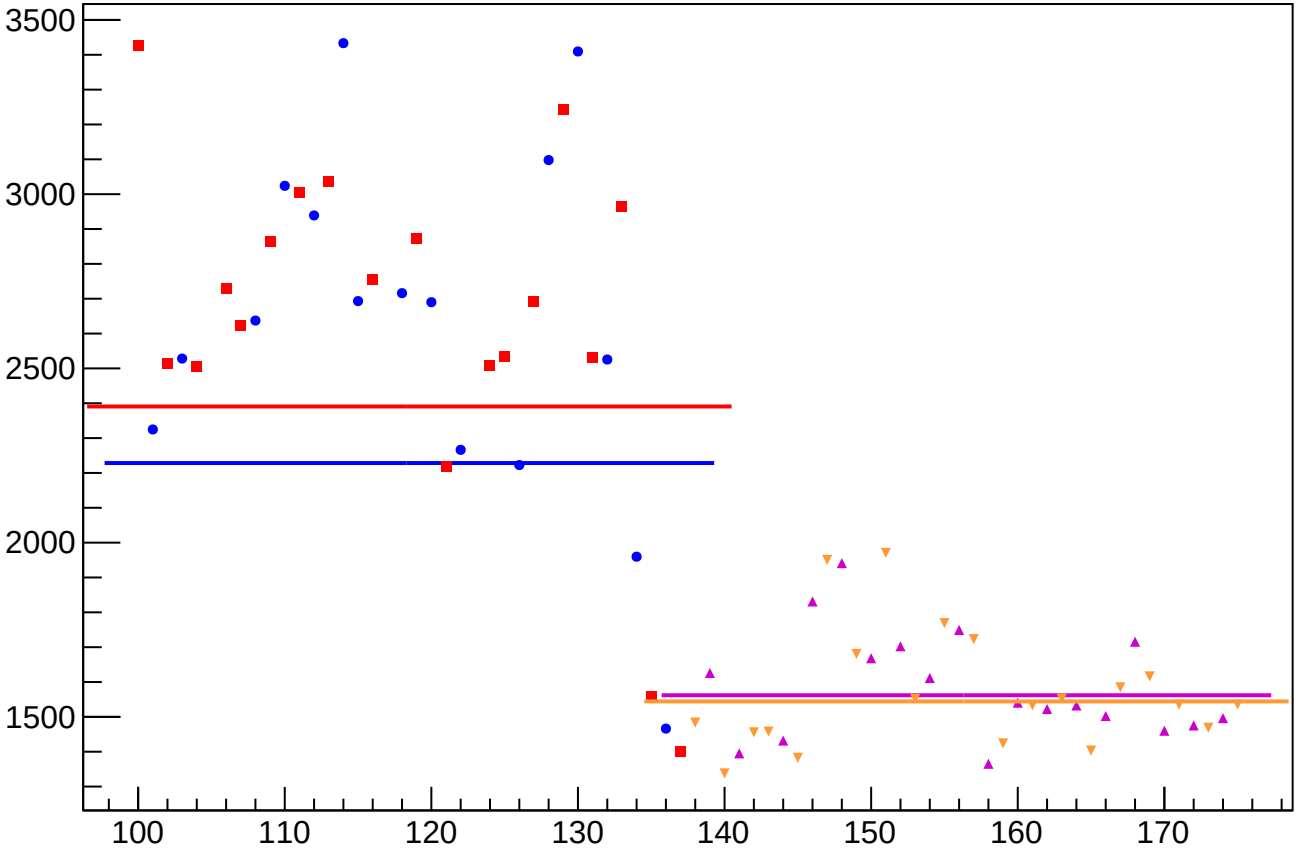
Left In: -137.323+/-407.485 χ^2/NDF:30.9/17

+ sign -986.133+/-355.573 χ^2/NDF: 54.3/35

All: -610.457+/-256.825 χ^2/NDF: 101.9/72

- sign -200.704+/-371.350 χ^2/NDF: 45.3/36

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.378+/-0.276 χ^2/NDF:311350.2/19

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

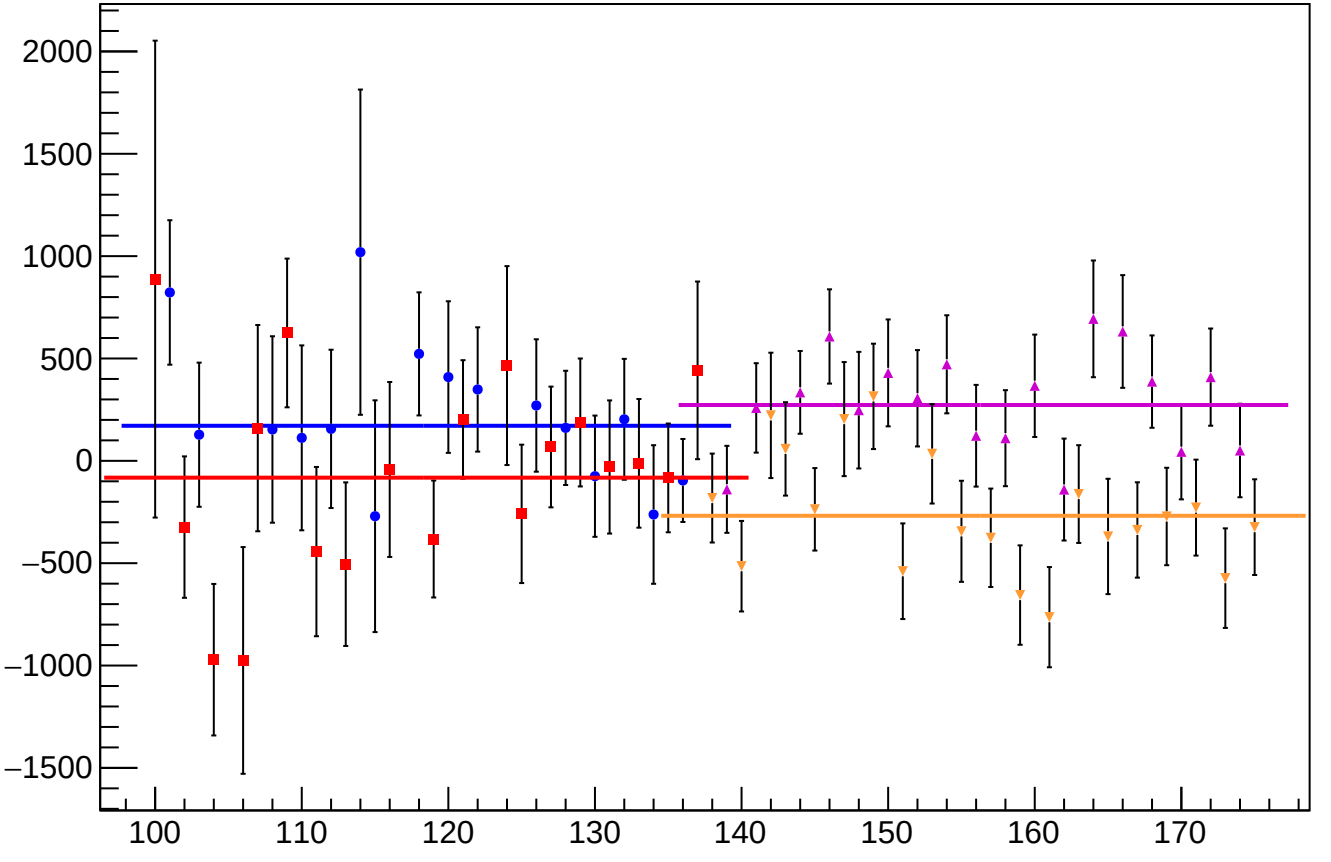
Left In: 1562.035+/-0.288 χ^2/NDF:255035.2/17

+ sign 1661.563+/-0.251 χ^2/NDF: 2309835.2/35

All: 1681.139+/-0.182 χ^2/NDF: 4769518.6/72

- sign 1702.490+/-0.263 χ^2/NDF: 2447010.1/36

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -268.370+/-53.728 χ^2/NDF:25.9/19

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

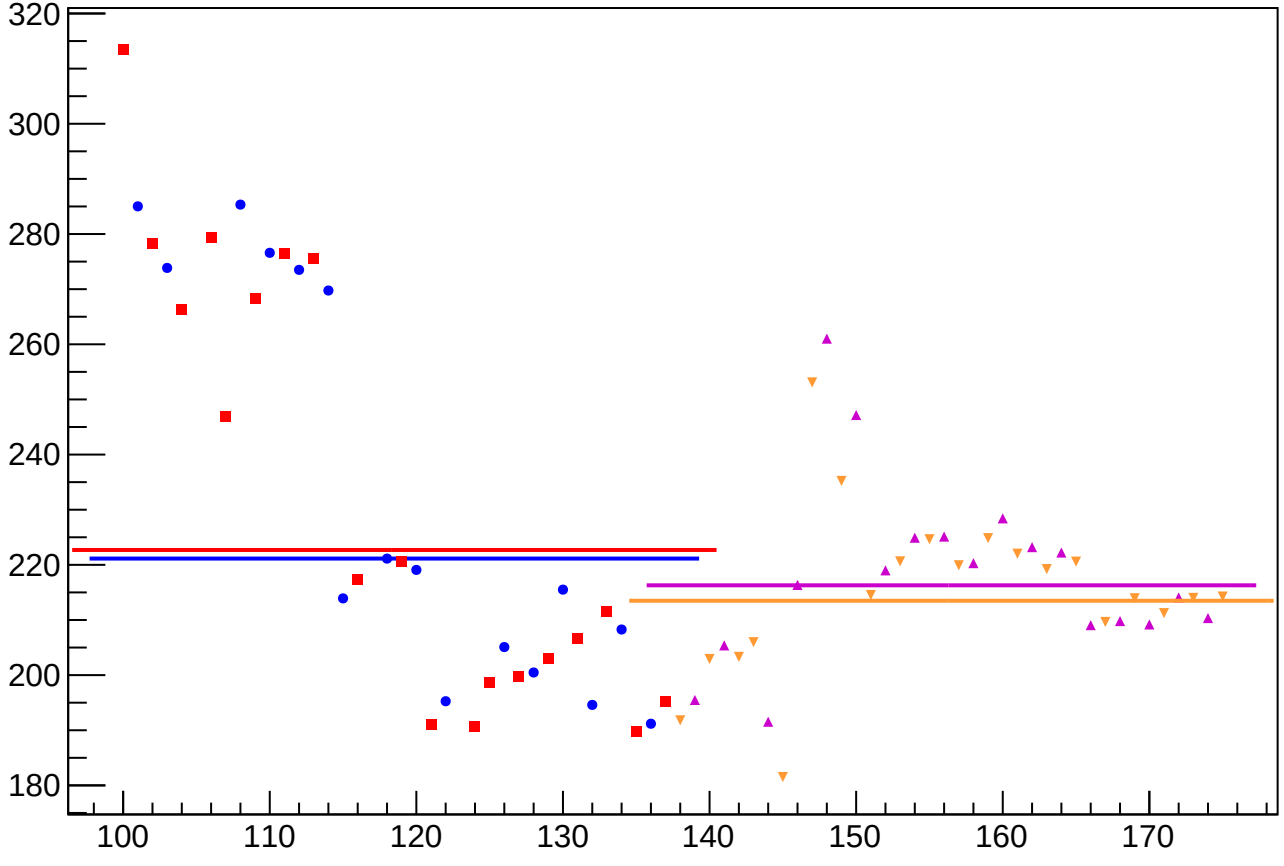
Left In: 272.770+/-56.264 χ^2/NDF:17.2/17

+ sign -138.804+/-45.122 χ^2/NDF: 57.2/35

All: 6.222+/-32.379 χ^2/NDF: 129.9/72

- sign 160.183+/-46.491 χ^2/NDF: 51.4/36

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.490+/-0.038 χ^2/NDF:151153.0/19

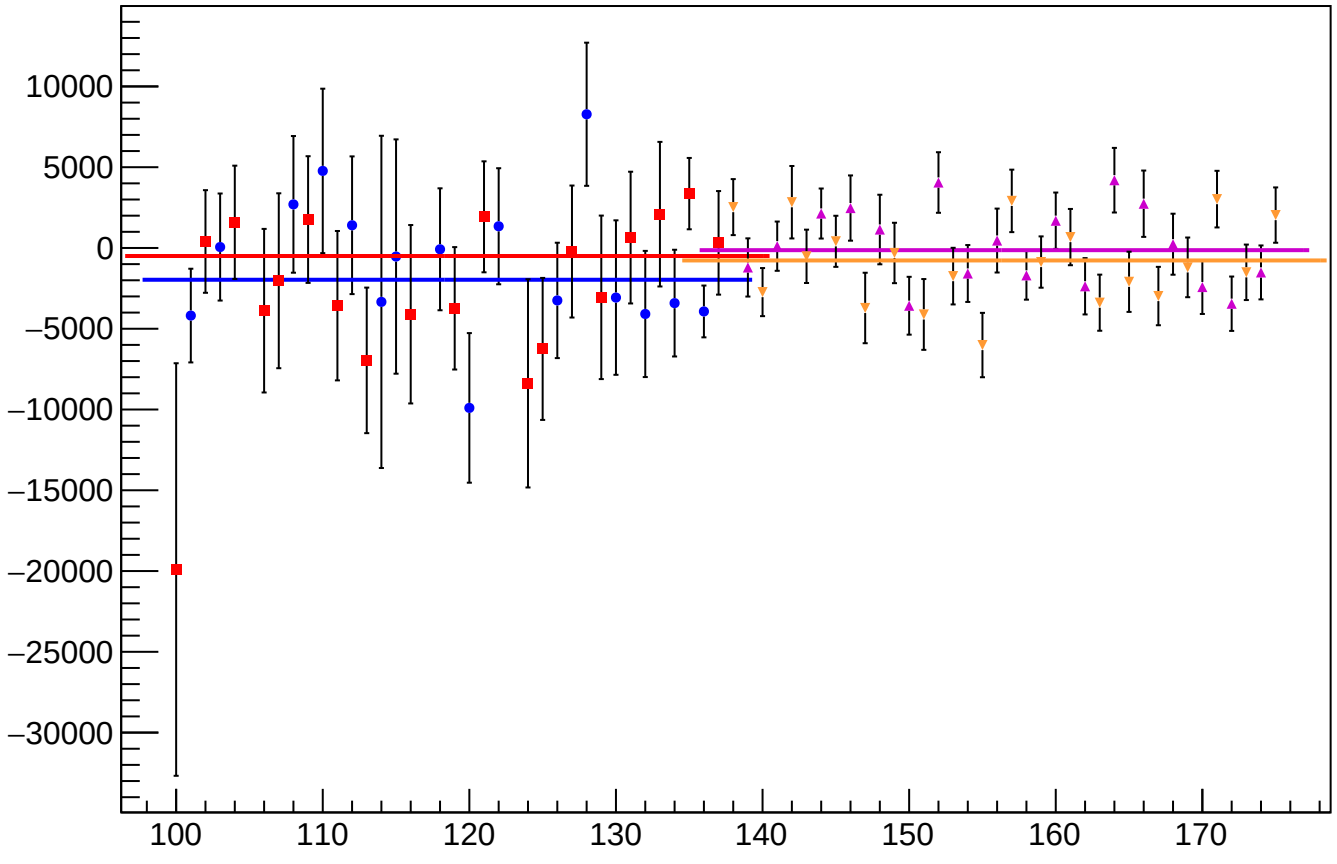
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 216.287+/-0.040 χ^2/NDF:150925.9/17

+ sign 215.744+/-0.032 χ^2/NDF: 481800.8/35

All: 216.994+/-0.023 χ^2/NDF: 971156.1/72

- sign 218.321+/-0.033 χ^2/NDF: 486192.6/36



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -771.962+/-400.042 χ^2/NDF:36.2/19

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

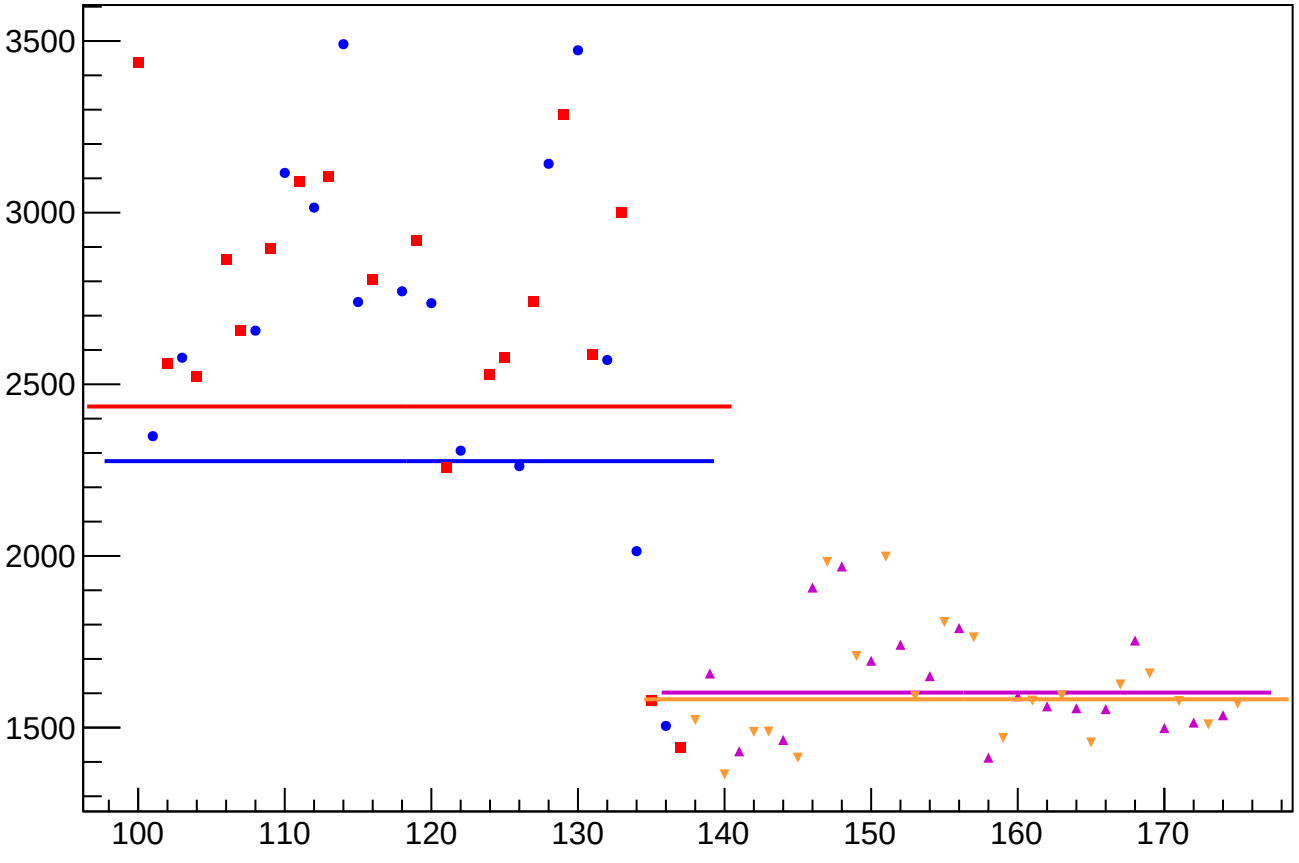
Left In: -135.649+/-417.809 χ^2/NDF:30.9/17

+ sign -978.011+/-363.937 χ^2/NDF: 53.8/35

All: -604.918+/-262.852 χ^2/NDF: 101.9/72

- sign -198.069+/-380.044 χ^2/NDF: 45.8/36

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1582.429+/-0.283 χ^2/NDF:297516.2/19

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

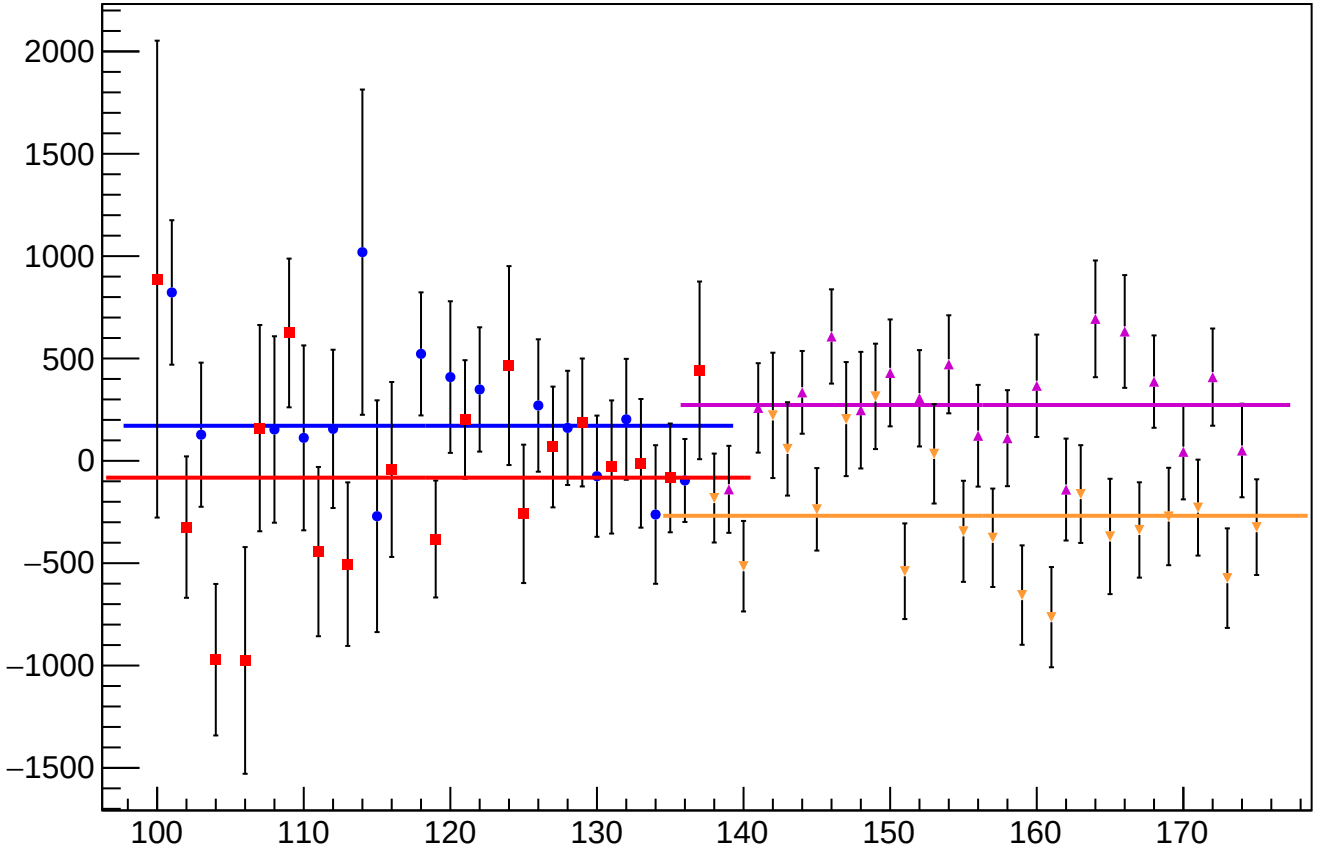
Left In: 1602.040+/-0.295 χ^2/NDF:247163.6/17

+ sign 1701.997+/-0.257 χ^2/NDF: 2261093.1/35

All: 1722.986+/-0.186 χ^2/NDF: 4686922.3/72

- sign 1745.874+/-0.269 χ^2/NDF: 2411922.7/36

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -268.372+/-53.728 χ^2/NDF:25.9/19

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

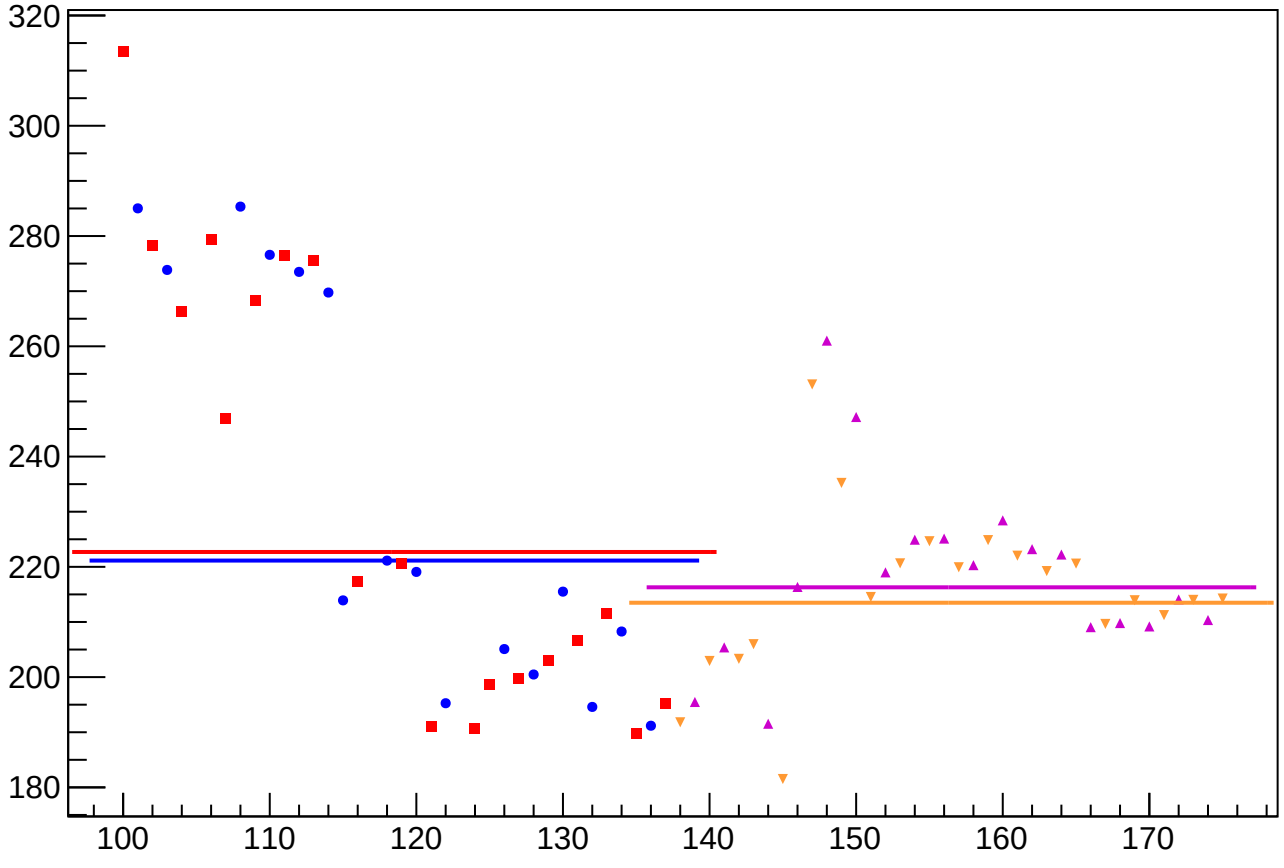
Left In: 272.772+/-56.263 χ^2/NDF:17.2/17

+ sign -138.804+/-45.122 χ^2/NDF: 57.2/35

All: 6.222+/-32.379 χ^2/NDF: 129.9/72

- sign 160.185+/-46.491 χ^2/NDF: 51.4/36

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.490+/-0.038 χ^2/NDF:151157.1/19

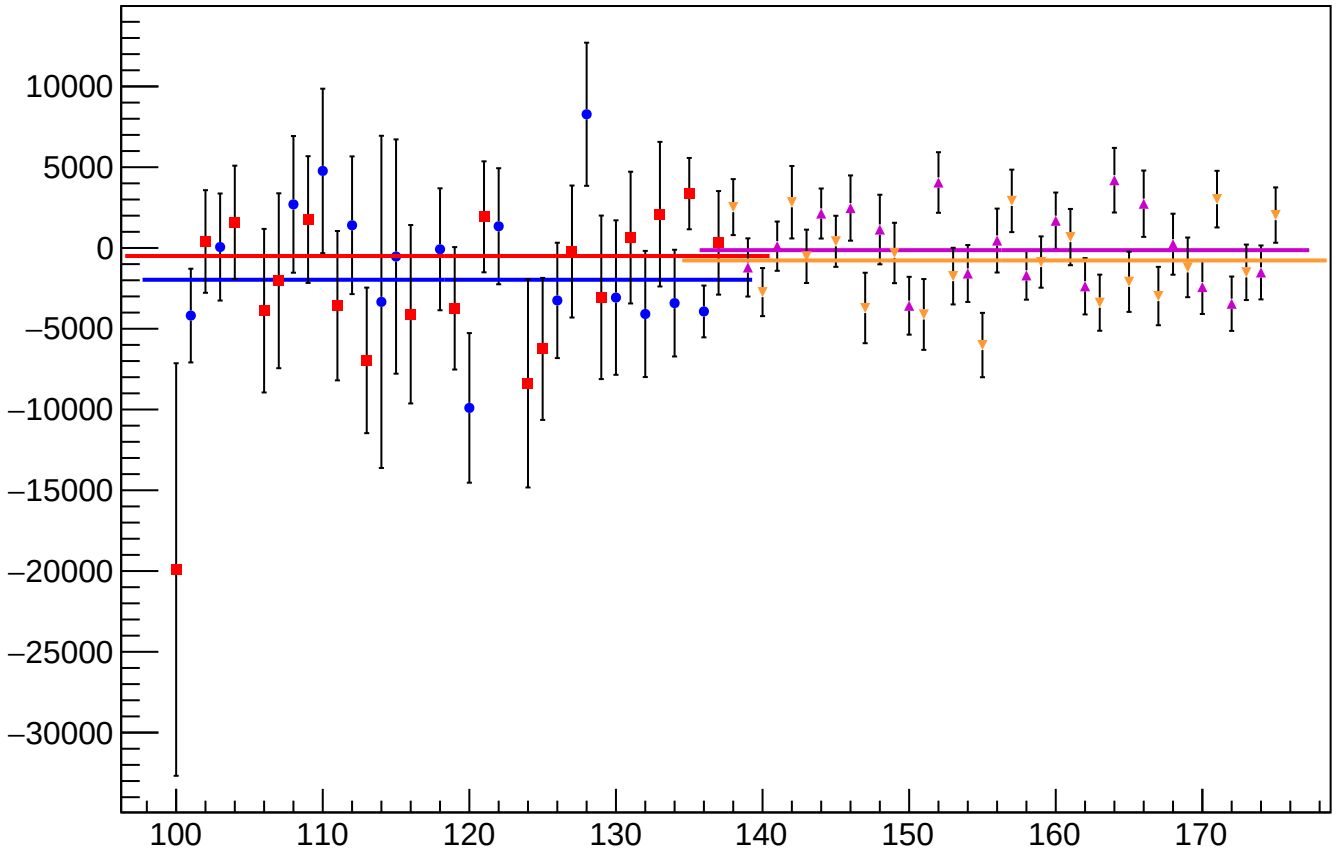
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.287+/-0.040 χ^2/NDF:150928.4/17

+ sign 215.744+/-0.032 χ^2/NDF: 481796.7/35

All: 216.994+/-0.023 χ^2/NDF: 971145.6/72

- sign 218.320+/-0.033 χ^2/NDF: 486186.2/36



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -771.963+/-400.042 χ^2/NDF:36.2/19

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

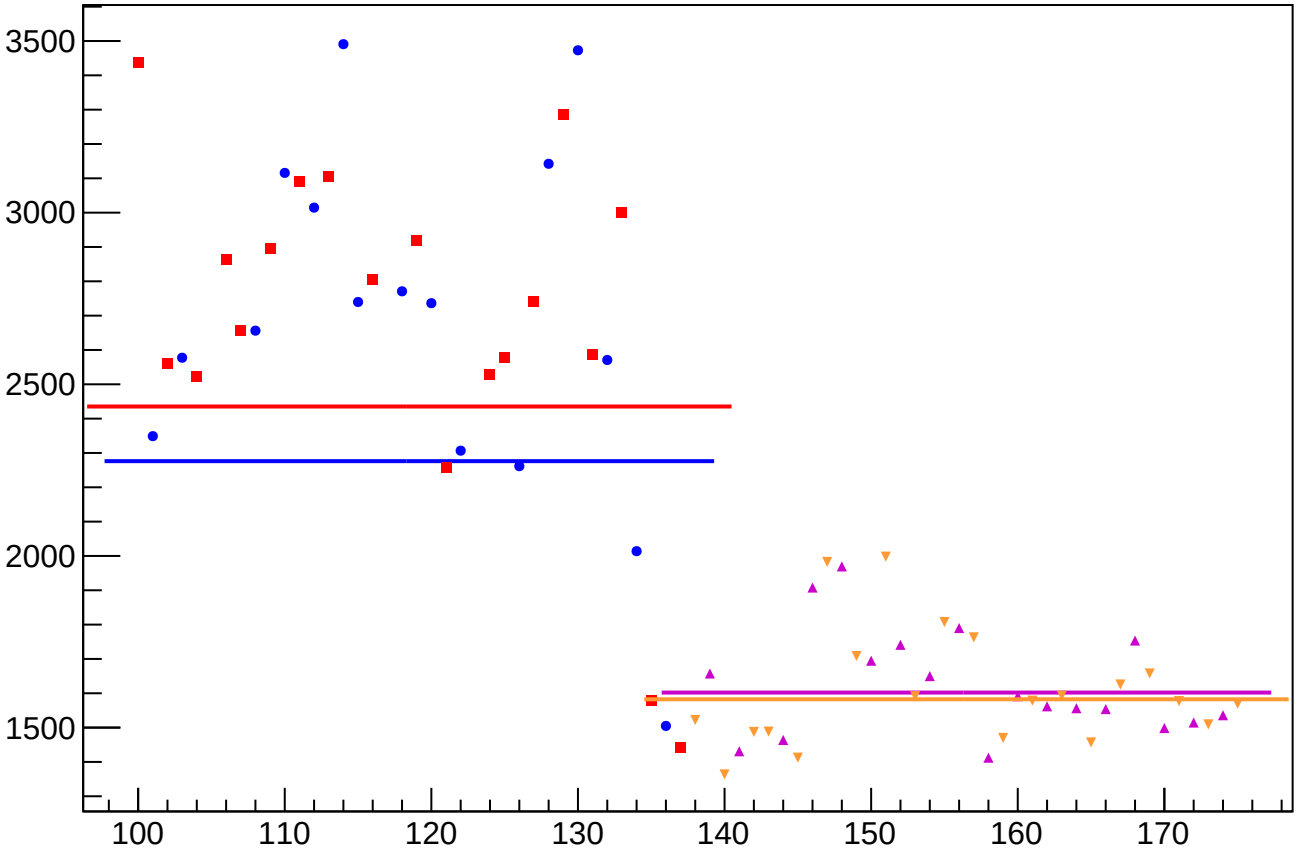
Left In: -135.649+/-417.809 χ^2/NDF:30.9/17

+ sign -978.012+/-363.937 χ^2/NDF: 53.8/35

All: -604.918+/-262.852 χ^2/NDF: 101.9/72

- sign -198.069+/-380.044 χ^2/NDF: 45.8/36

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1582.429+/-0.283 χ^2/NDF:297518.7/19

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

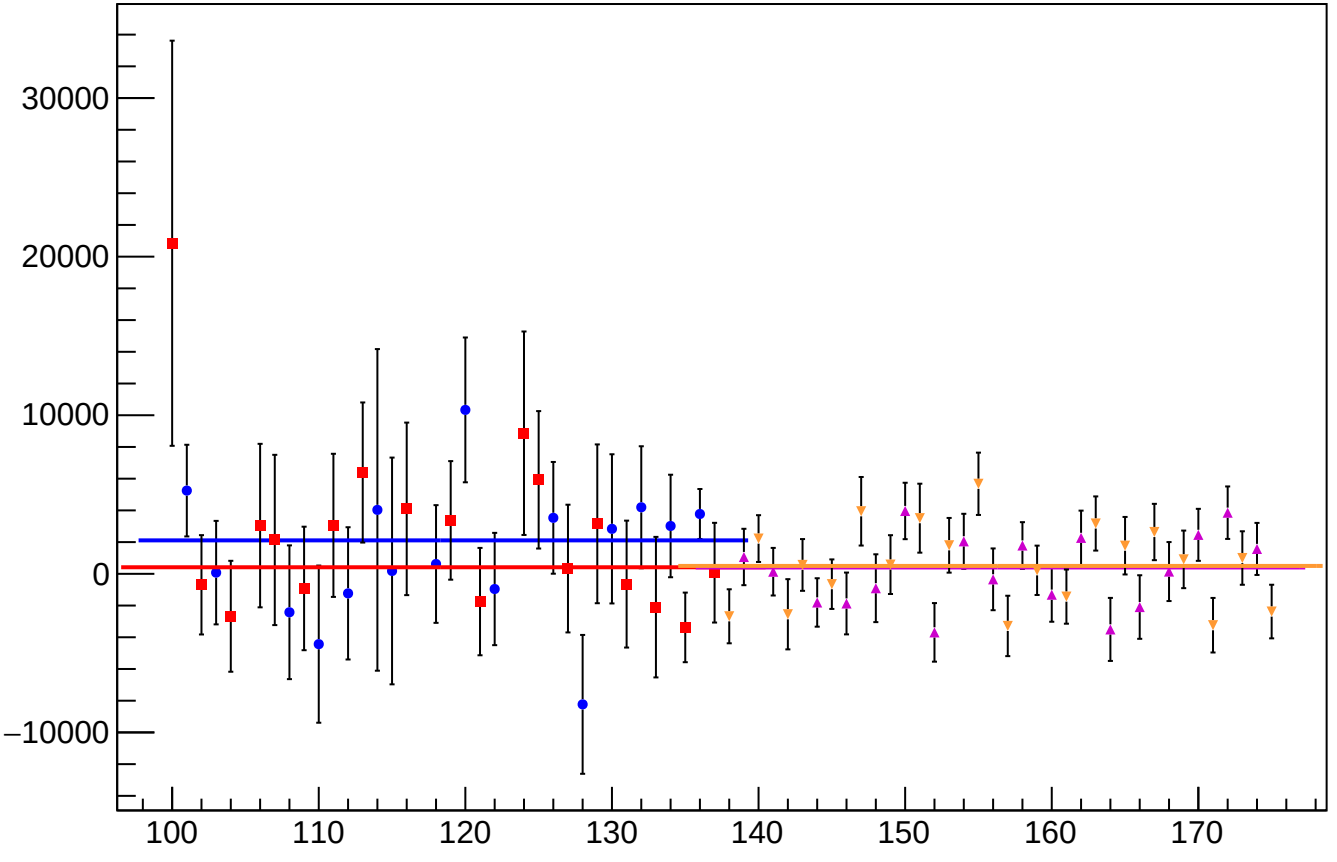
Left In: 1602.040+/-0.295 χ^2/NDF:247165.1/17

+ sign 1701.997+/-0.257 χ^2/NDF: 2261080.2/35

All: 1722.986+/-0.186 χ^2/NDF: 4686896.8/72

- sign 1745.874+/-0.269 χ^2/NDF: 2411910.2/36

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 498.065+/-393.920 χ^2/NDF:36.7/19

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

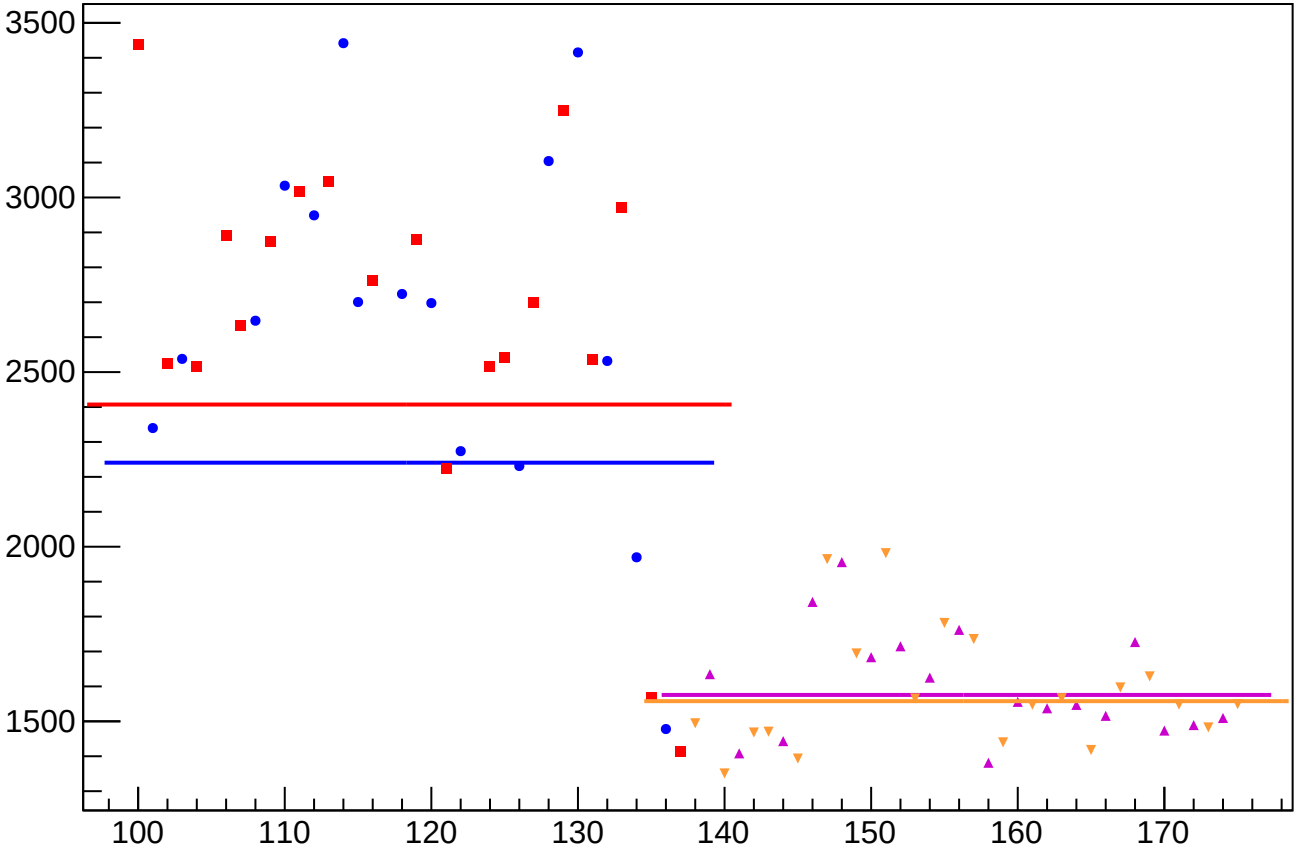
Left In: 400.666+/-410.962 χ^2/NDF:28.9/17

+ sign 775.769+/-358.374 χ^2/NDF: 56.2/35

All: 597.390+/-258.805 χ^2/NDF: 100.3/72

- sign 402.964+/-374.147 χ^2/NDF: 43.6/36

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1557.751+/-0.279 χ^2/NDF:306023.1/19

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

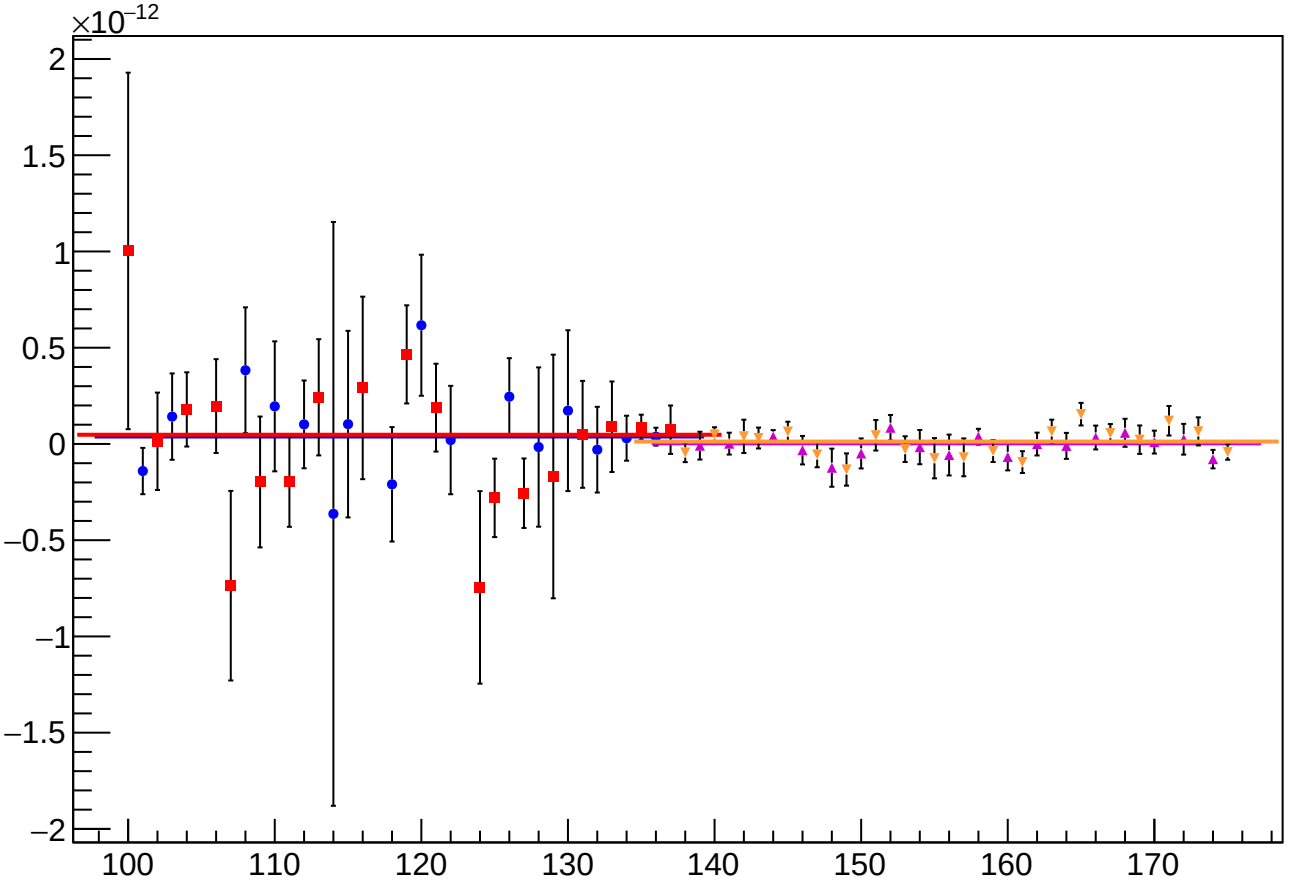
Left In: 1575.606+/-0.291 χ^2/NDF:249332.3/17

+ sign 1675.431+/-0.253 χ^2/NDF: 2275364.5/35

All: 1695.757+/-0.183 χ^2/NDF: 4728384.3/72

- sign 1717.912+/-0.265 χ^2/NDF: 2439573.4/36

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:25.6/19

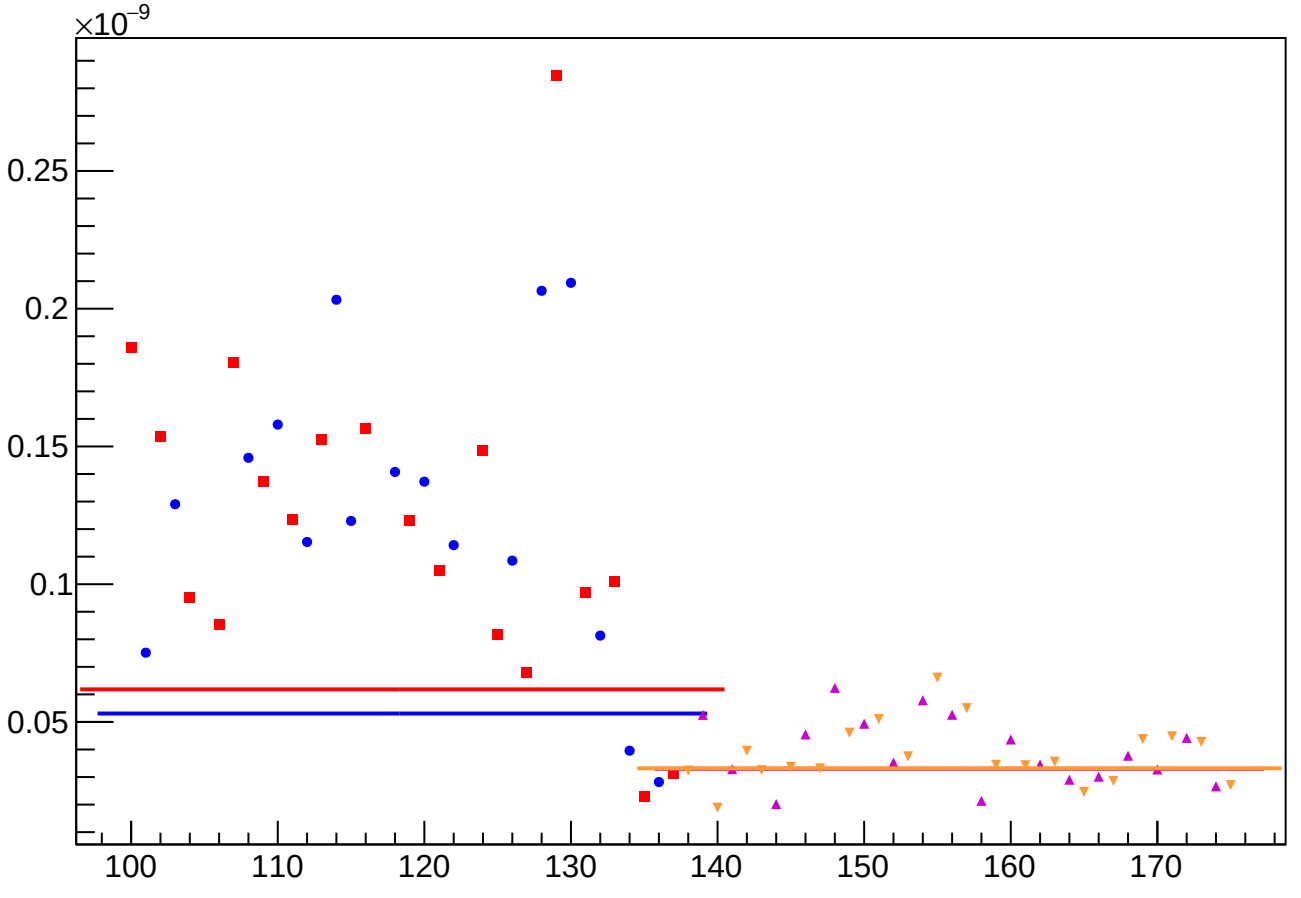
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 34.4/35

All: 0.000+/-0.000 χ^2/NDF: 64.6/72

- sign 0.000+/-0.000 χ^2/NDF: 30.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:991458.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

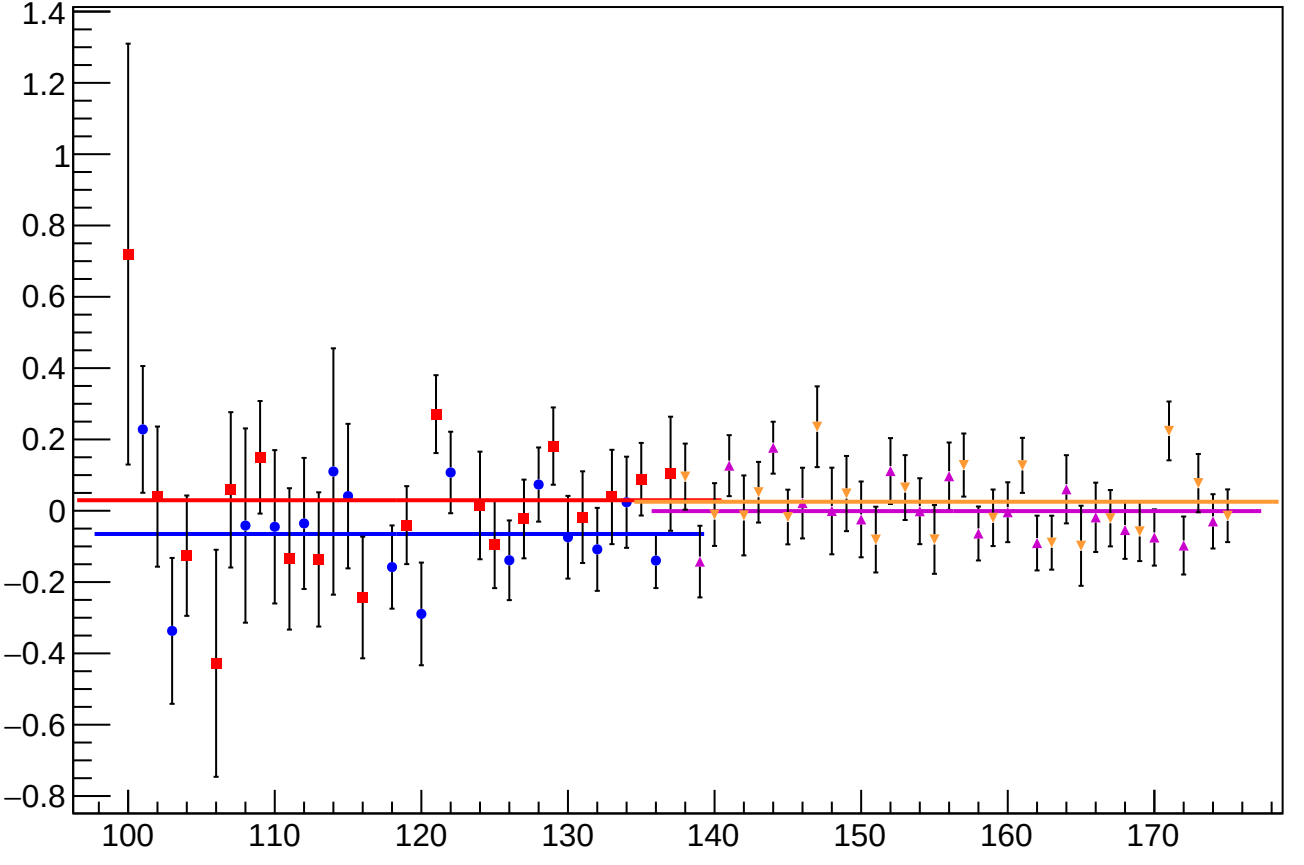
Left In: 0.000+/-0.000 χ^2/NDF:1278871.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 4096573.2/35

All: 0.000+/-0.000 χ^2/NDF: 8590646.3/72

- sign 0.000+/-0.000 χ^2/NDF: 4493463.0/36

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.019 χ^2/NDF:22.2/19

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

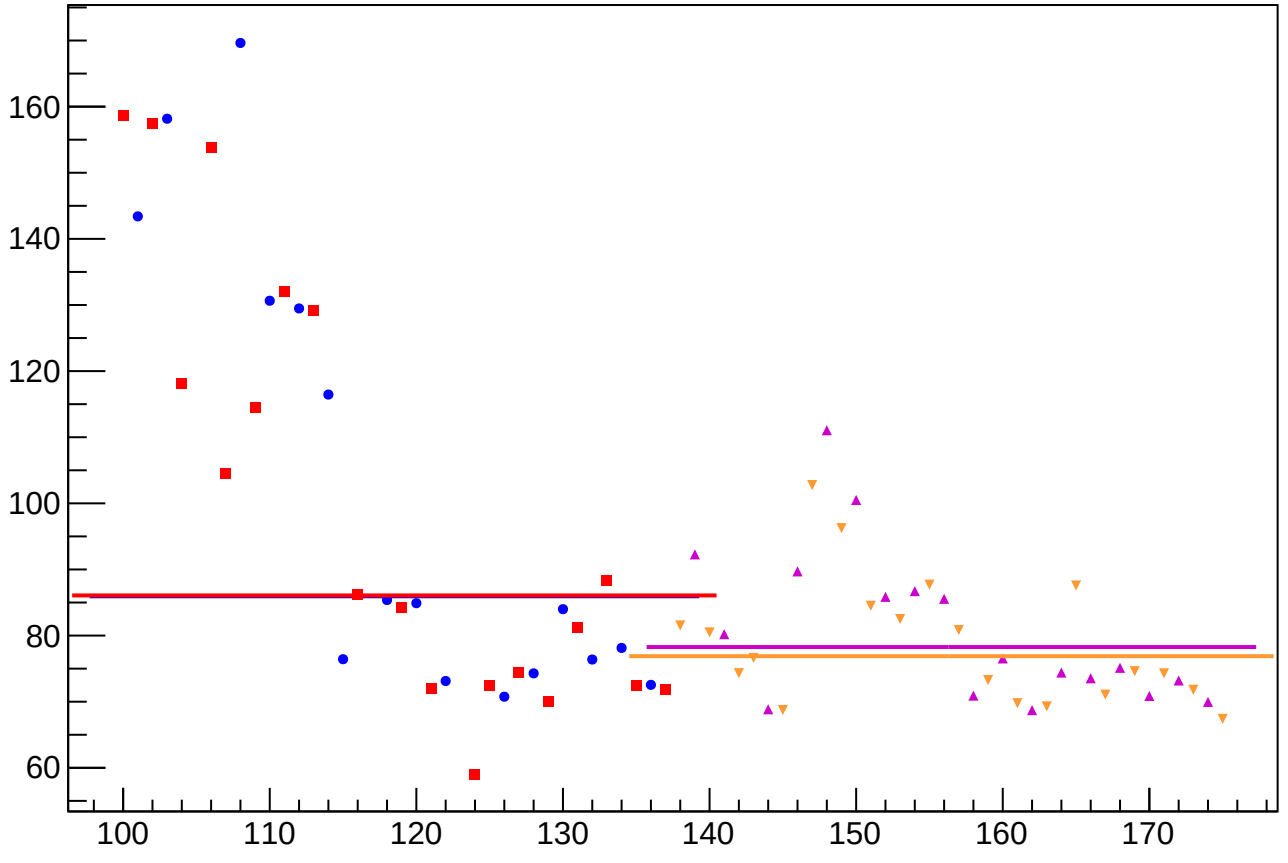
Left In: -0.001+/-0.021 χ^2/NDF:18.2/17

+ sign 0.002+/-0.017 χ^2/NDF: 41.9/35

All: 0.005+/-0.012 χ^2/NDF: 78.8/72

- sign 0.008+/-0.017 χ^2/NDF: 36.9/36

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 76.884+/-0.014 χ^2/NDF:368536.3/19

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

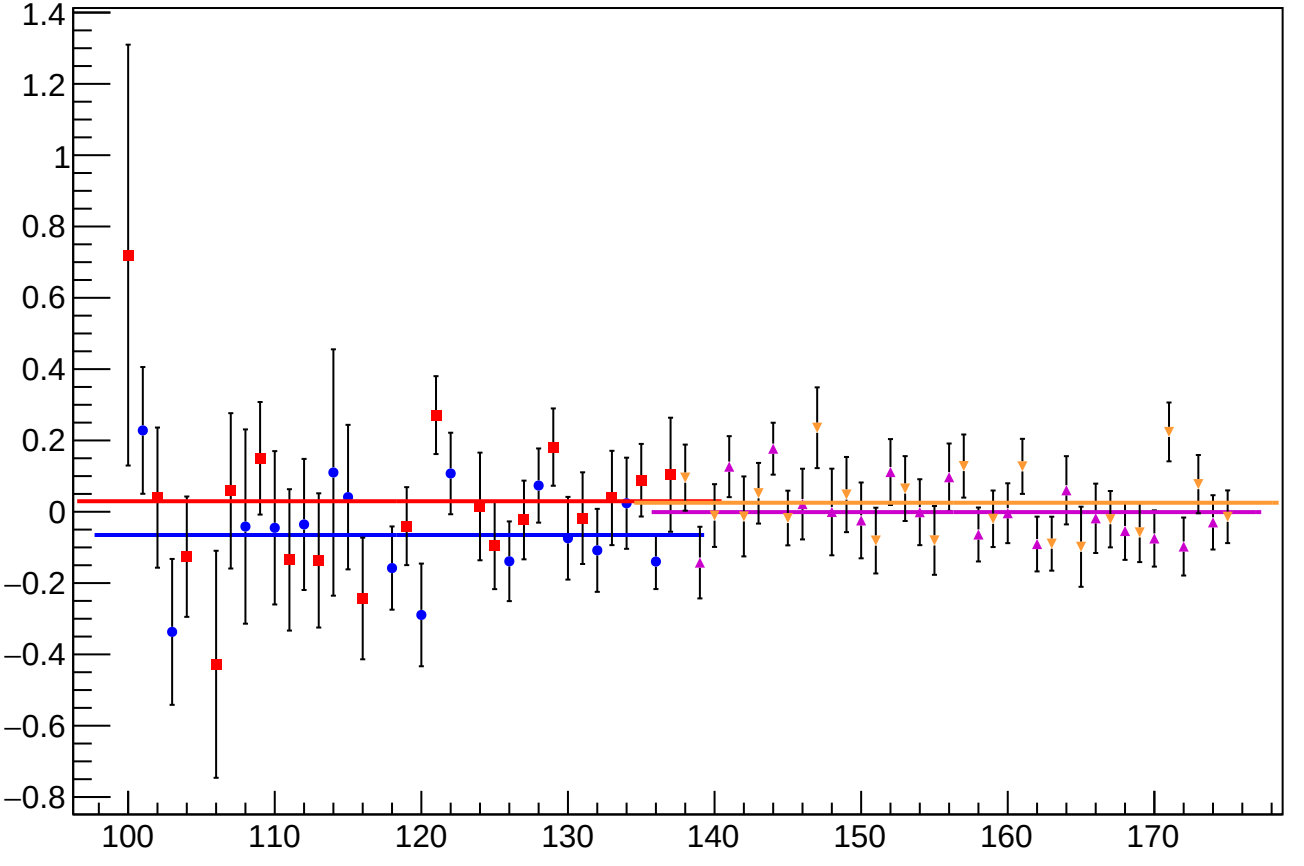
Left In: 78.269+/-0.015 χ^2/NDF:486150.9/17

+ sign 79.191+/-0.012 χ^2/NDF: 1513882.8/35

All: 79.799+/-0.009 χ^2/NDF: 3077557.7/72

- sign 80.454+/-0.012 χ^2/NDF: 1558234.4/36

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.019 χ^2/NDF:22.2/19

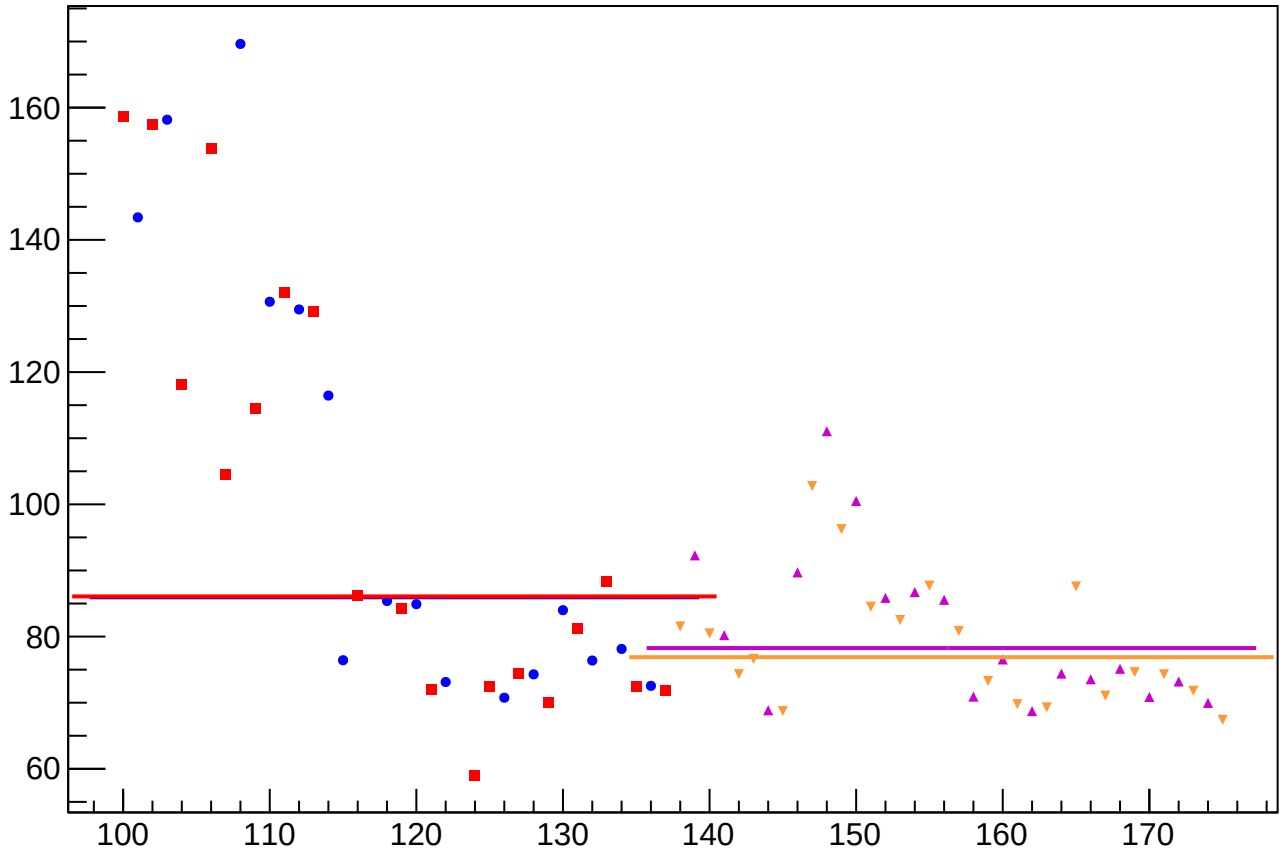
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.001+/-0.021 χ^2/NDF:18.2/17

+ sign 0.002+/-0.017 χ^2/NDF: 41.9/35

All: 0.005+/-0.012 χ^2/NDF: 78.8/72

- sign 0.008+/-0.017 χ^2/NDF: 36.9/36



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 76.884+/-0.014 χ^2/NDF:368536.3/19

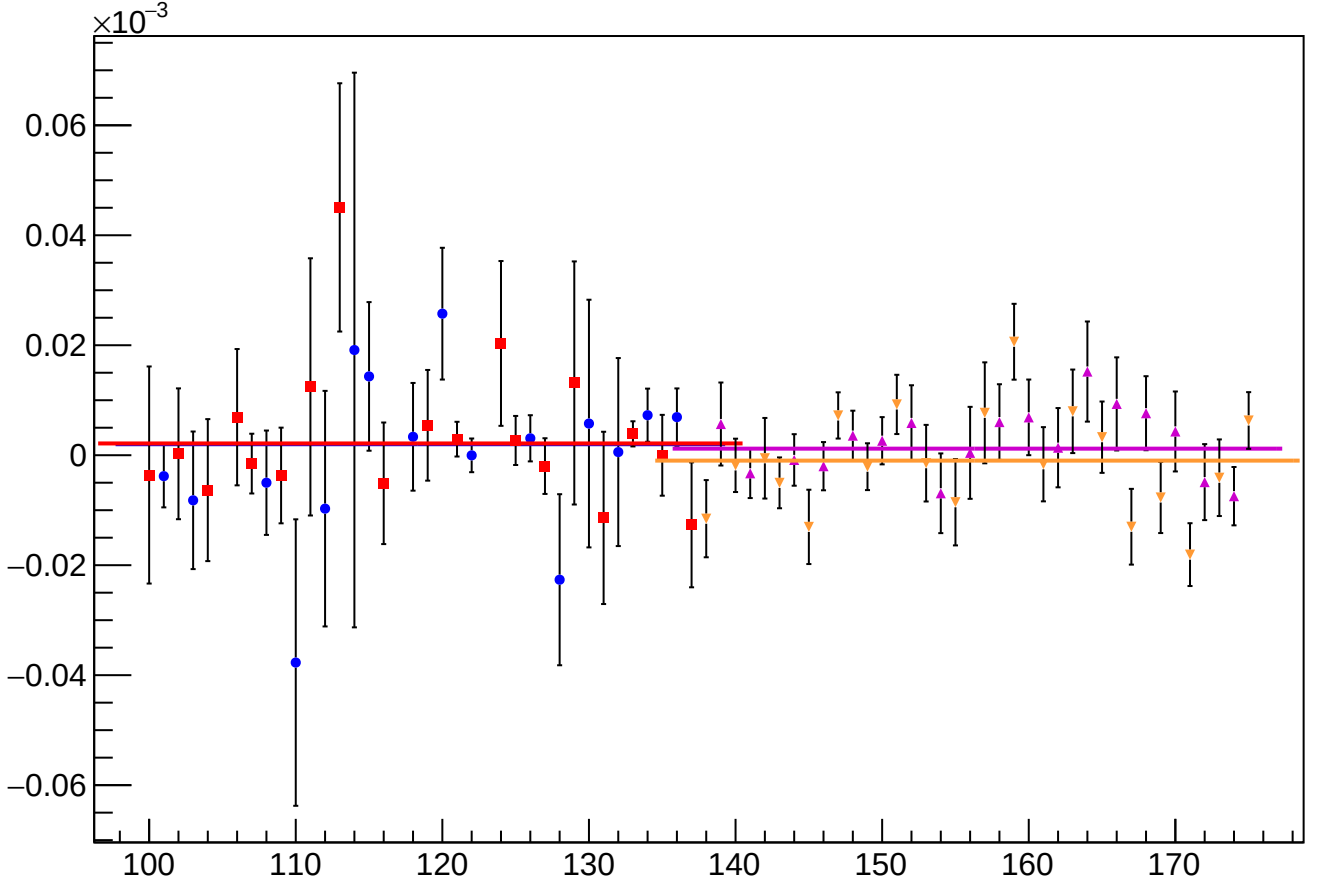
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.269+/-0.015 χ^2/NDF:486150.9/17

\+ sign 79.191+/-0.012 χ^2/NDF: 1513882.8/35

All: 79.799+/-0.009 χ^2/NDF: 3077557.7/72

\- sign 80.454+/-0.012 χ^2/NDF: 1558234.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.5/19

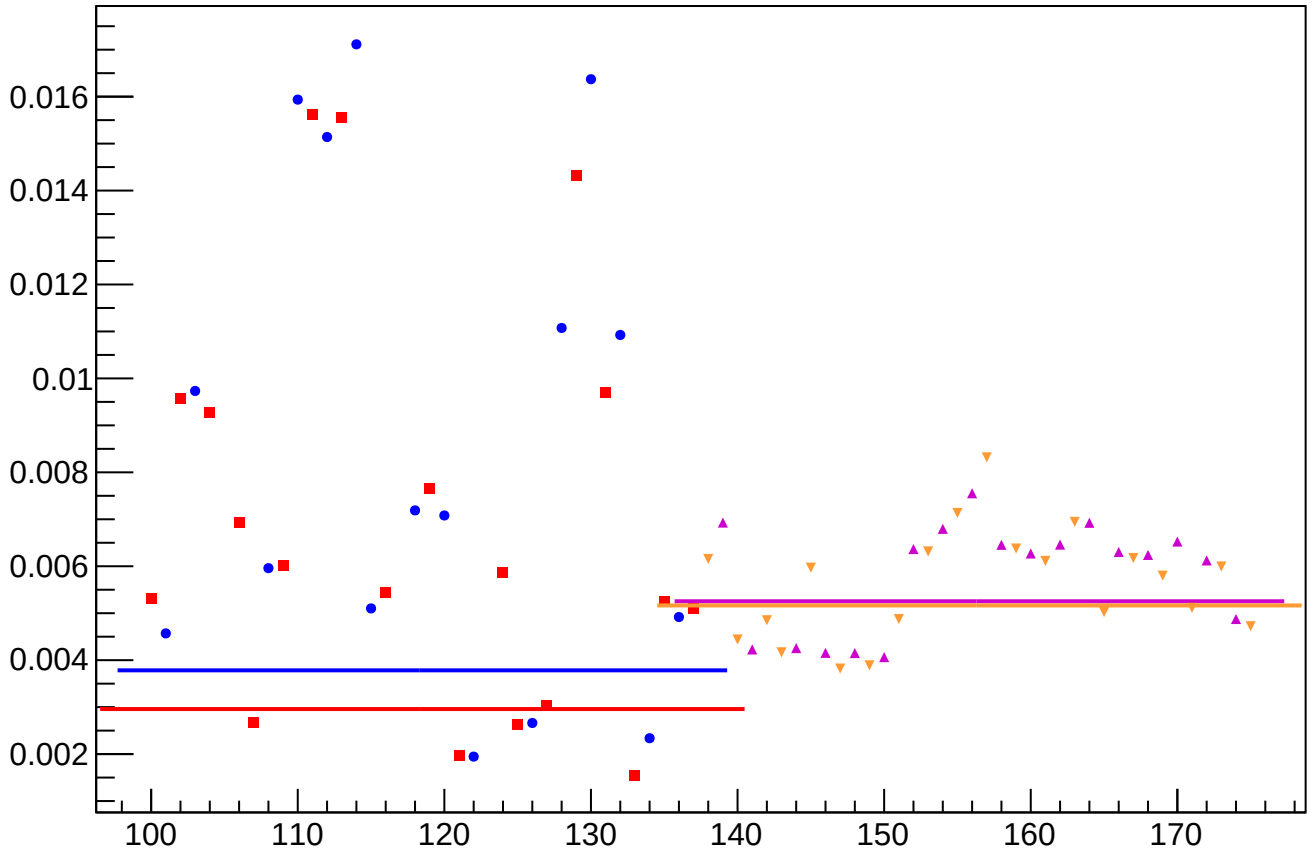
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 59.2/35

All: 0.000+/-0.000 χ^2/NDF: 85.3/72

- sign 0.000+/-0.000 χ^2/NDF: 24.9/36



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1333164.3/19

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

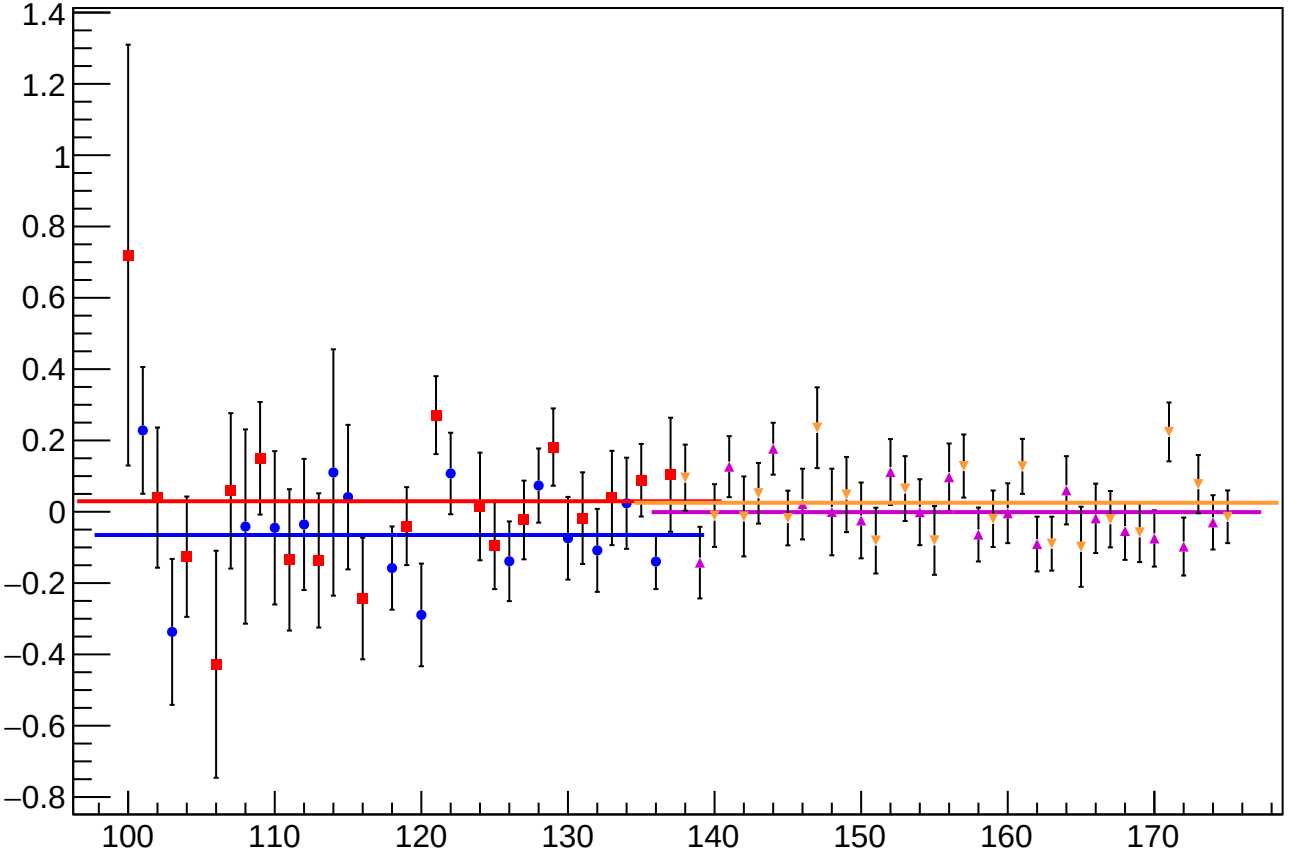
Left In: 0.005+/-0.000 χ^2/NDF:1389275.1/17

+ sign 0.005+/-0.000 χ^2/NDF: 6818444.1/35

All: 0.004+/-0.000 χ^2/NDF: 16718915.3/72

- sign 0.004+/-0.000 χ^2/NDF: 9611196.6/36

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.019 χ^2/NDF:22.2/19

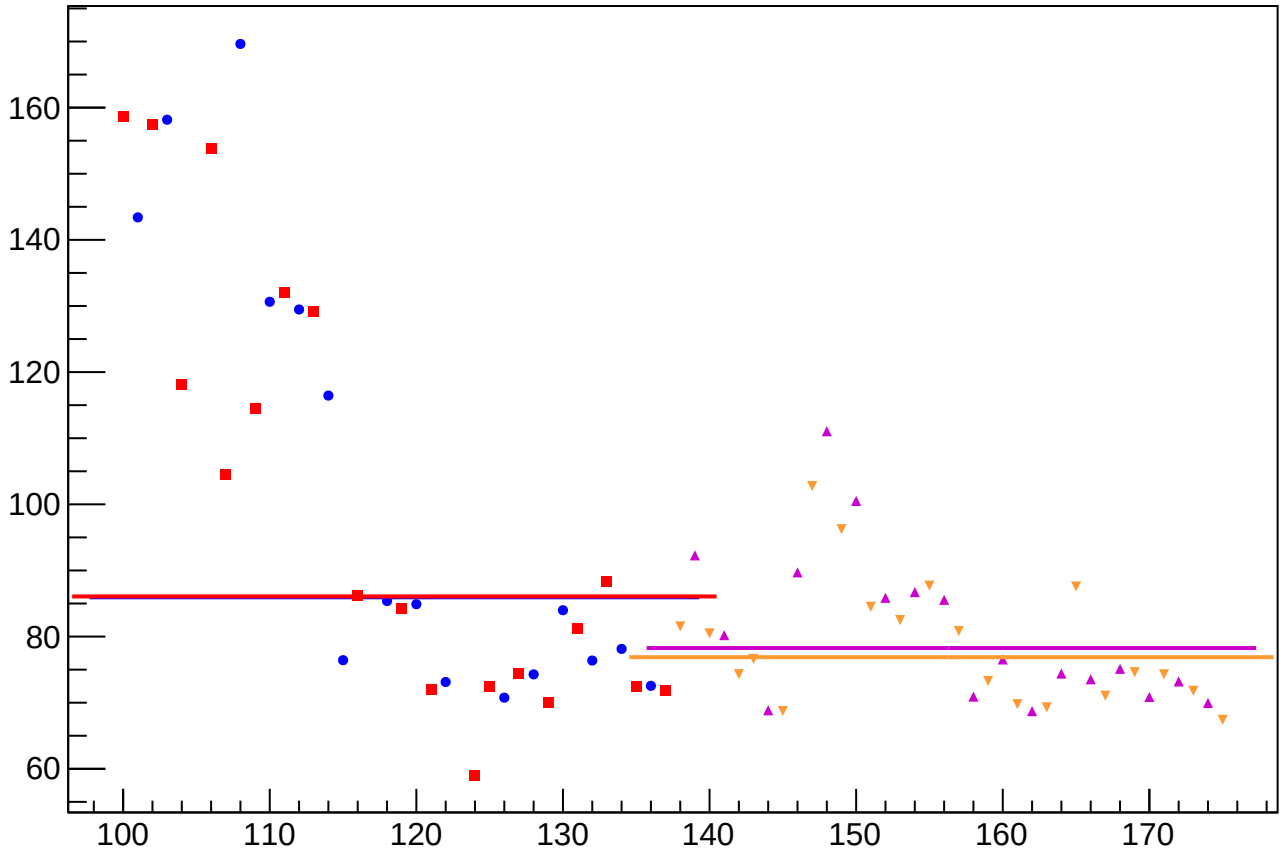
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.001+/-0.021 χ^2/NDF:18.2/17

+ sign 0.002+/-0.017 χ^2/NDF: 41.9/35

All: 0.005+/-0.012 χ^2/NDF: 78.8/72

- sign 0.008+/-0.017 χ^2/NDF: 36.9/36



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 76.884+/-0.014 χ^2/NDF:368574.9/19

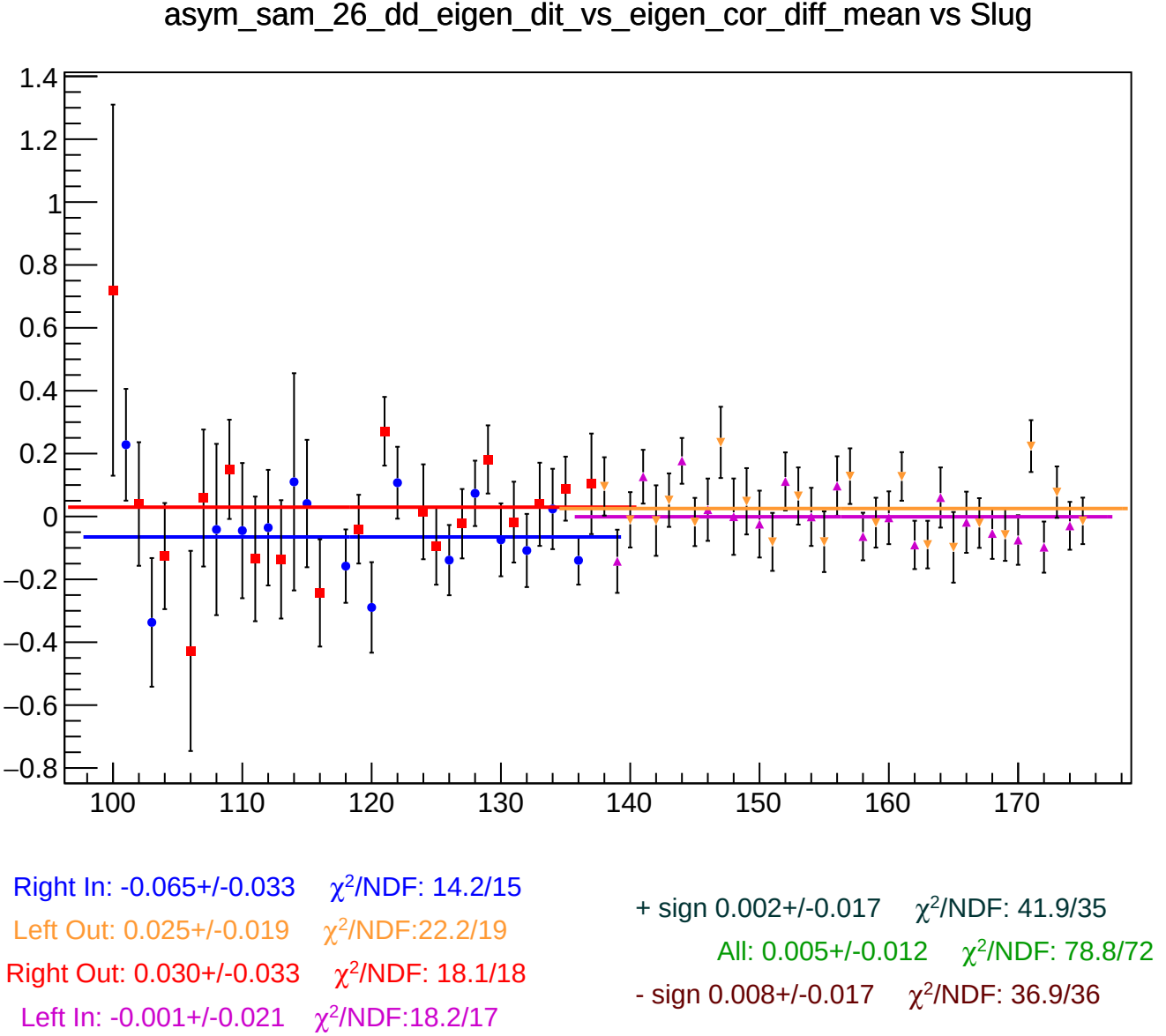
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

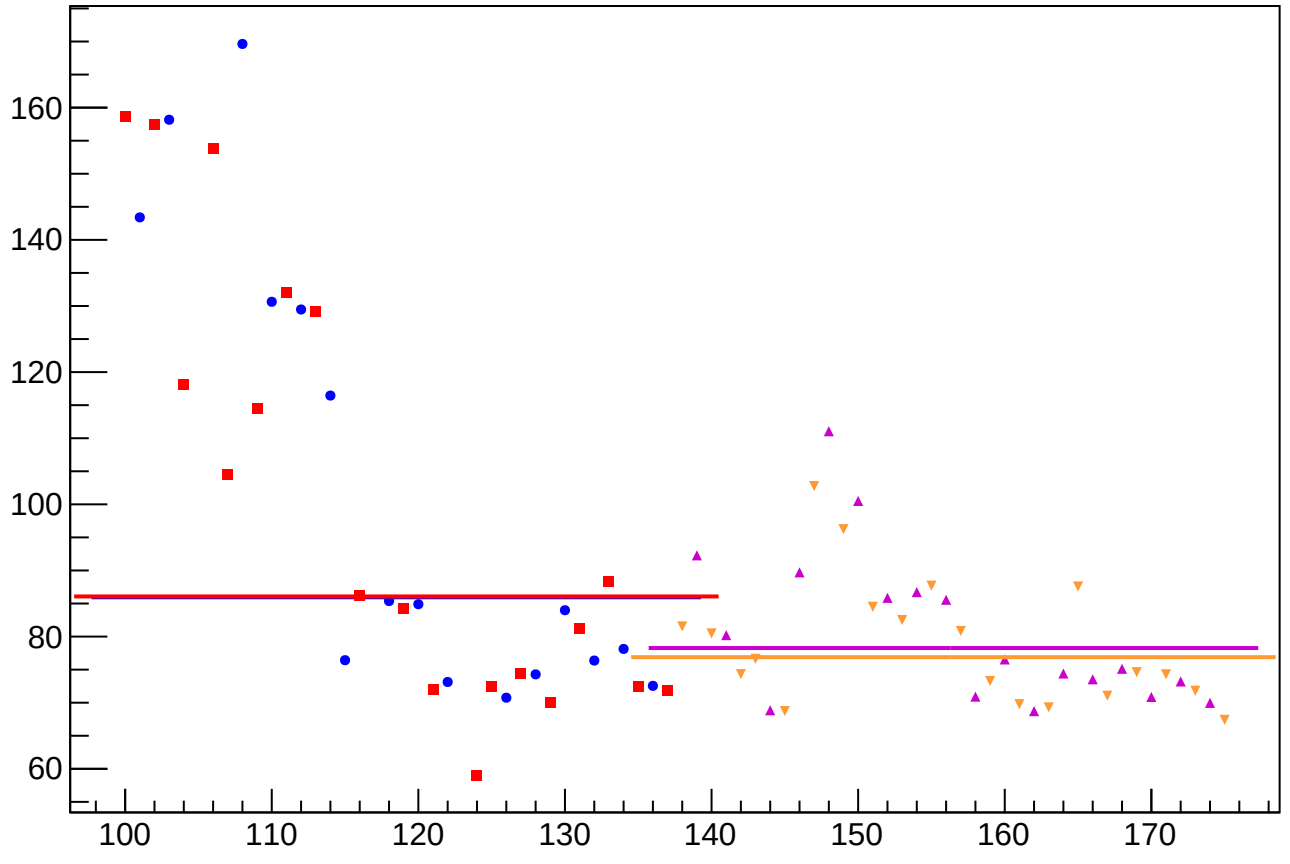
Left In: 78.268+/-0.015 χ^2/NDF:486189.4/17

\+ sign 79.190+/-0.012 χ^2/NDF: 1513860.0/35

All: 79.798+/-0.009 χ^2/NDF: 3077540.4/72

\- sign 80.453+/-0.012 χ^2/NDF: 1558241.3/36


asym_sam_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
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.065+/-0.033 χ²/NDF: 14.2/15
Left Out: 0.025+/-0.019 χ²/NDF:22.2/19
Right Out: 0.030+/-0.033 χ²/NDF: 18.1/18
Left In: -0.001+/-0.021 χ²/NDF:18.2/17
+ sign 0.002+/-0.017 χ²/NDF: 41.9/35
All: 0.005+/-0.012 χ²/NDF: 78.8/72
- sign 0.008+/-0.017 χ²/NDF: 36.9/36



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 76.884+/-0.014 χ^2/NDF:368574.9/19

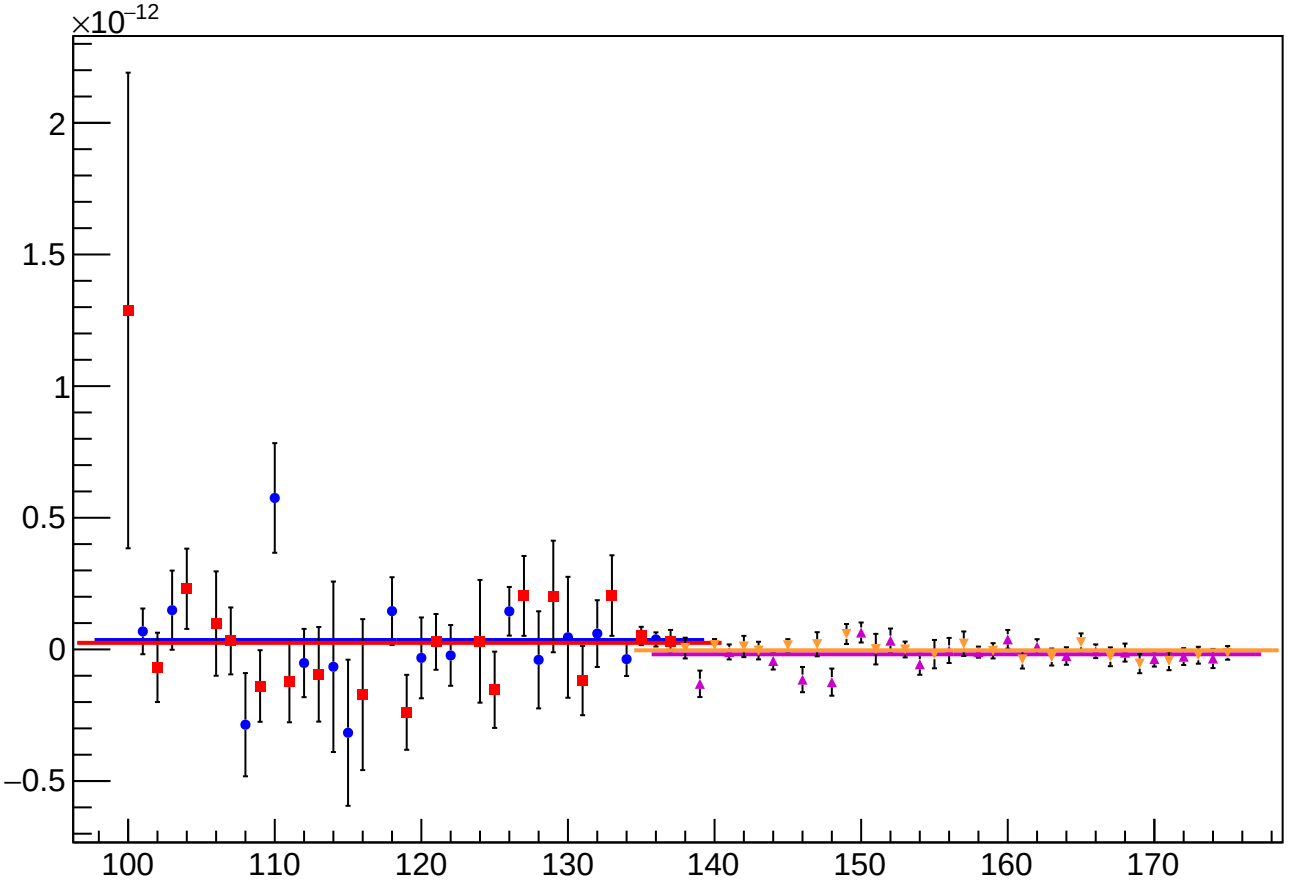
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.268+/-0.015 χ^2/NDF:486189.4/17

+ sign 79.190+/-0.012 χ^2/NDF: 1513860.0/35

All: 79.798+/-0.009 χ^2/NDF: 3077540.4/72

- sign 80.453+/-0.012 χ^2/NDF: 1558241.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/19

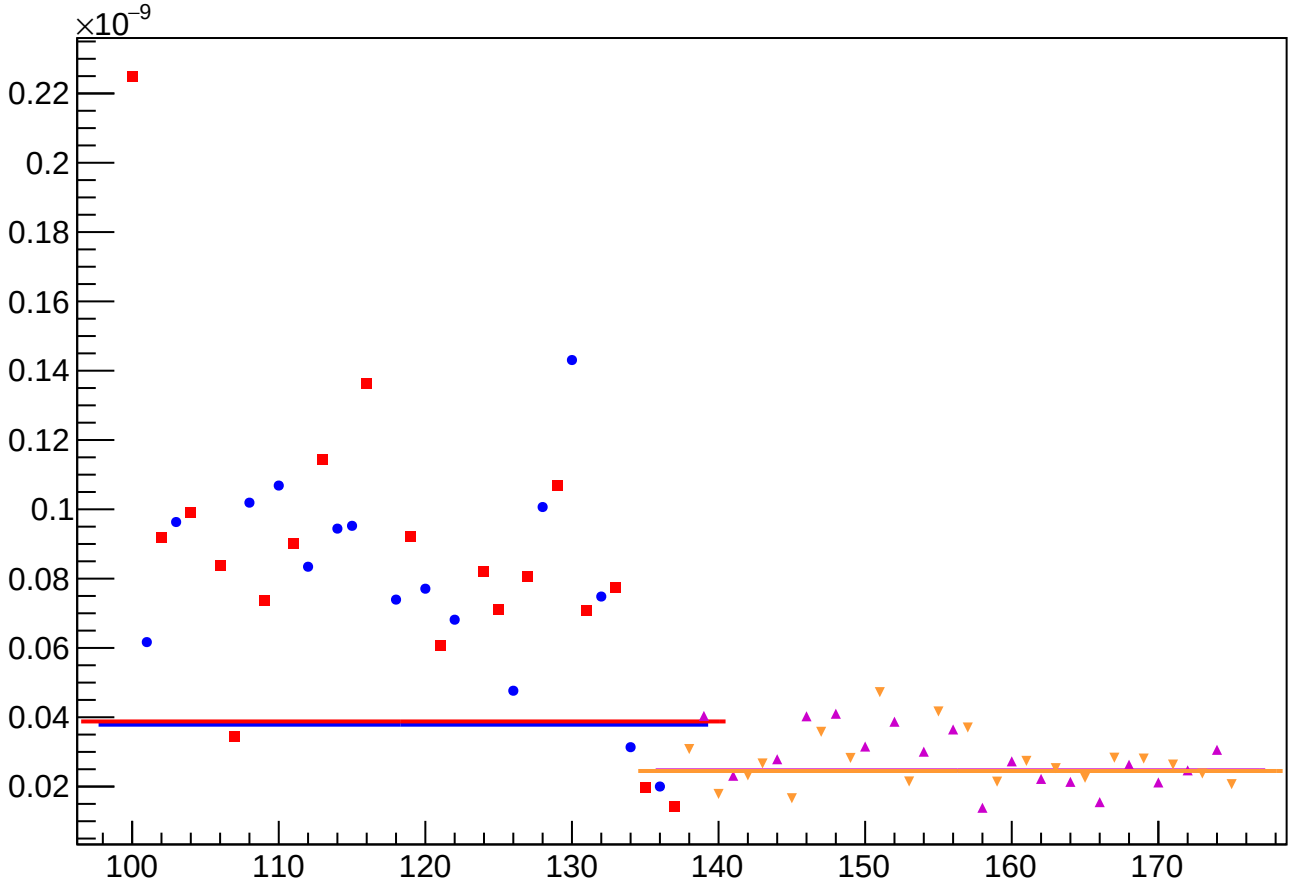
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:25.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 31.0/35

All: -0.000+/-0.000 χ^2/NDF: 79.9/72

- sign -0.000+/-0.000 χ^2/NDF: 46.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1408082.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

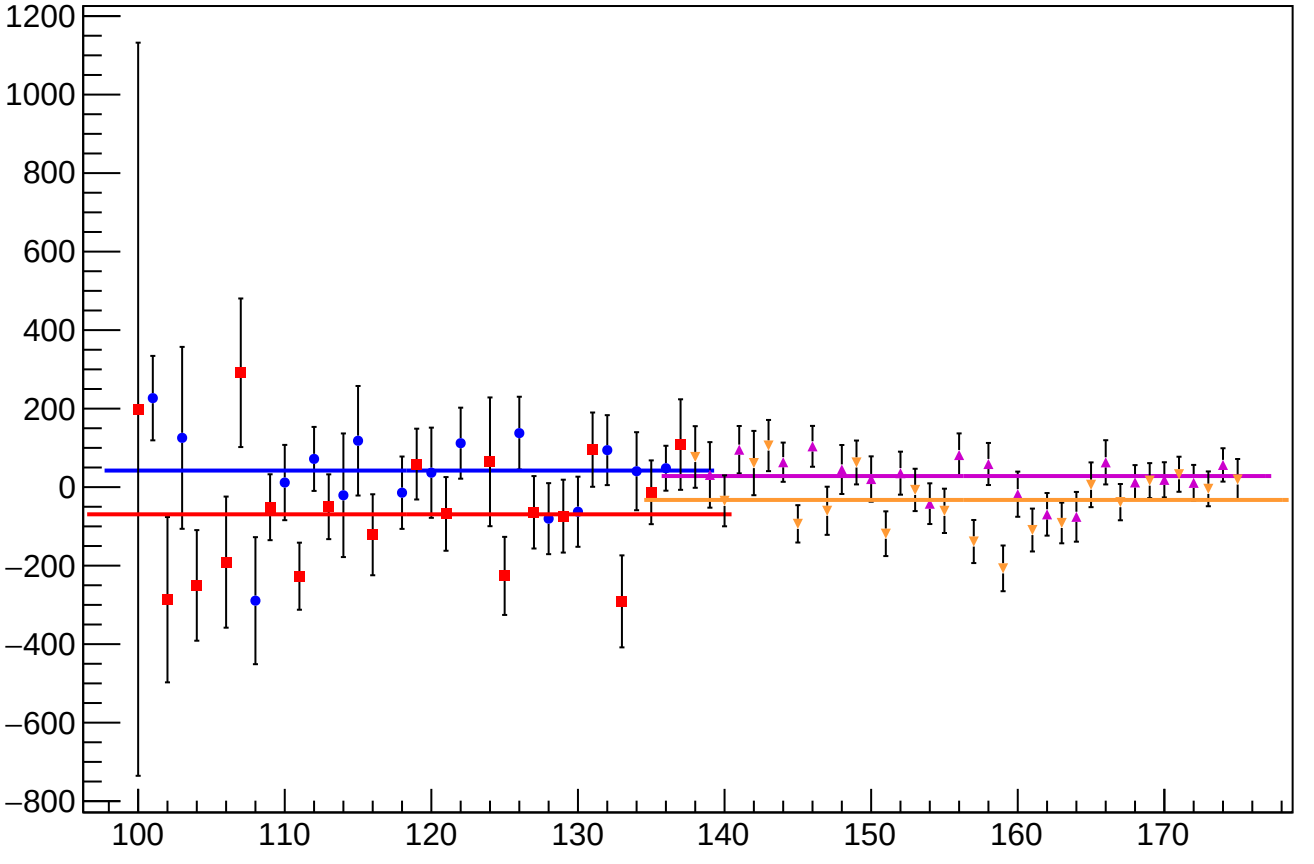
Left In: 0.000+/-0.000 χ^2/NDF:1951510.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 5606571.3/35

All: 0.000+/-0.000 χ^2/NDF: 12399306.4/72

- sign 0.000+/-0.000 χ^2/NDF: 6791826.9/36

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.626+/-12.154 χ^2/NDF:36.5/19

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

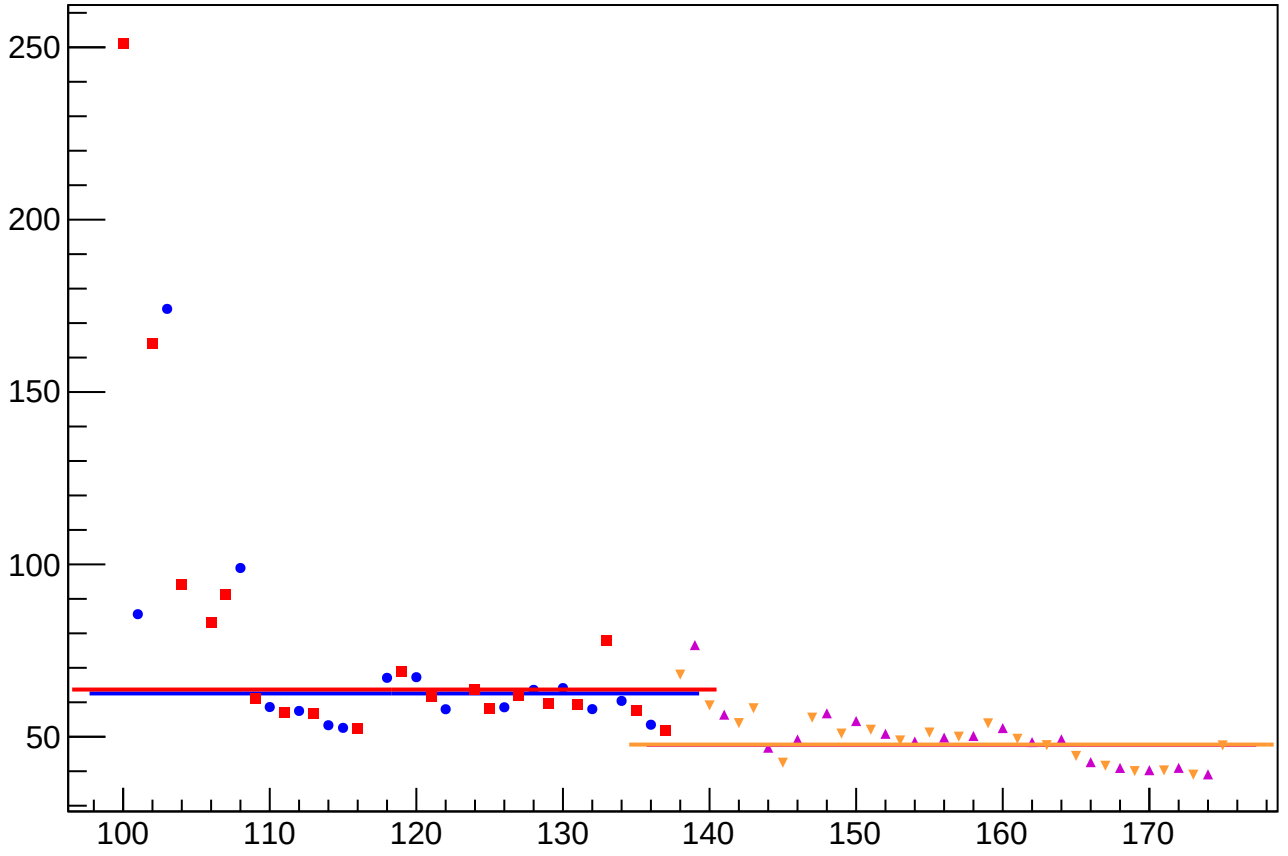
Left In: 28.225+/-12.520 χ^2/NDF:14.8/17

+ sign -17.557+/-10.862 χ^2/NDF: 57.7/35

All: -5.135+/-7.777 χ^2/NDF: 113.1/72

- sign 7.934+/-11.141 χ^2/NDF: 52.8/36

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 47.733+/-0.009 χ^2/NDF:605952.0/19

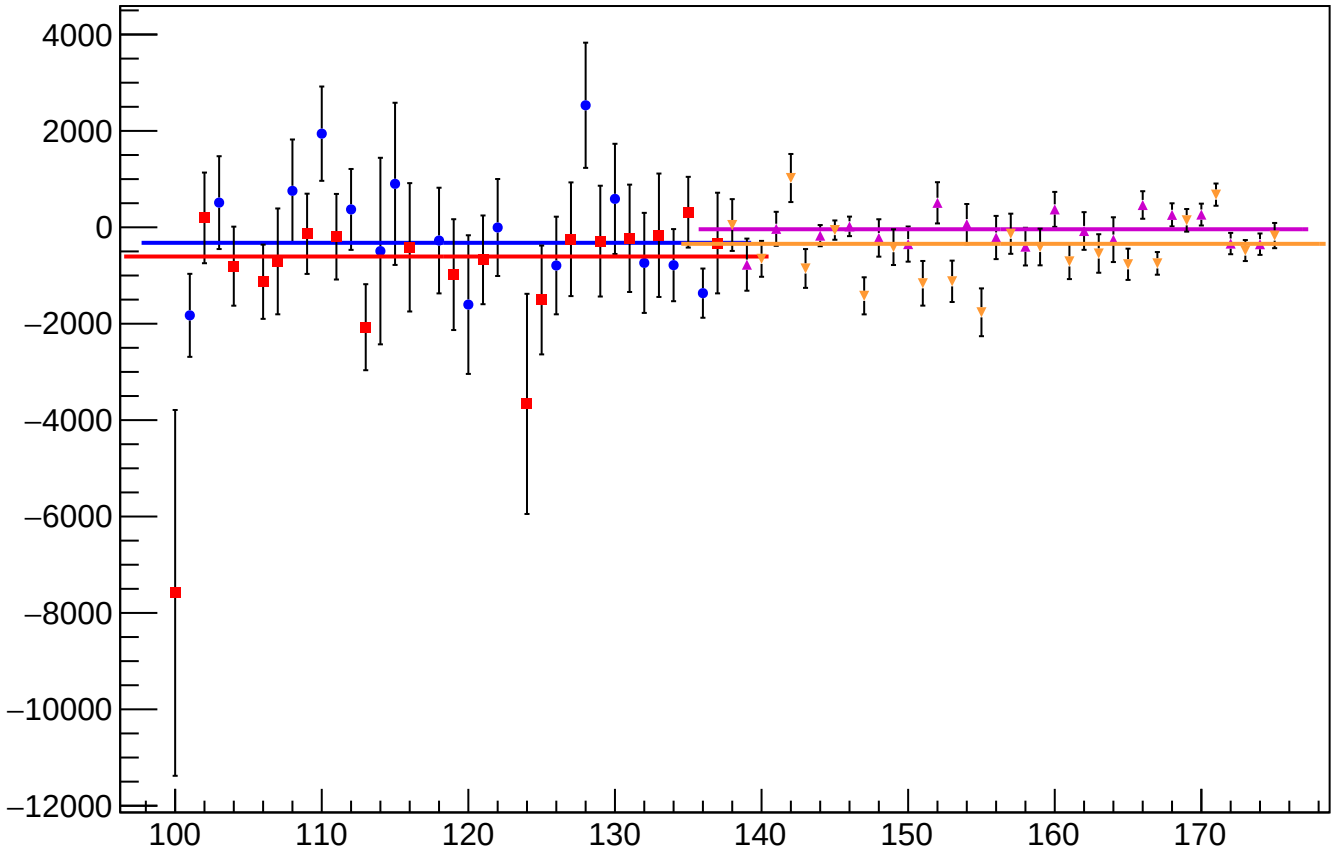
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 47.618+/-0.009 χ^2/NDF:627320.8/17

+ sign 50.719+/-0.008 χ^2/NDF: 1964301.3/35

All: 50.839+/-0.005 χ^2/NDF: 4113206.8/72

- sign 50.965+/-0.008 χ^2/NDF: 2148404.4/36



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -342.803+/-70.609 χ^2/NDF:65.8/19

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

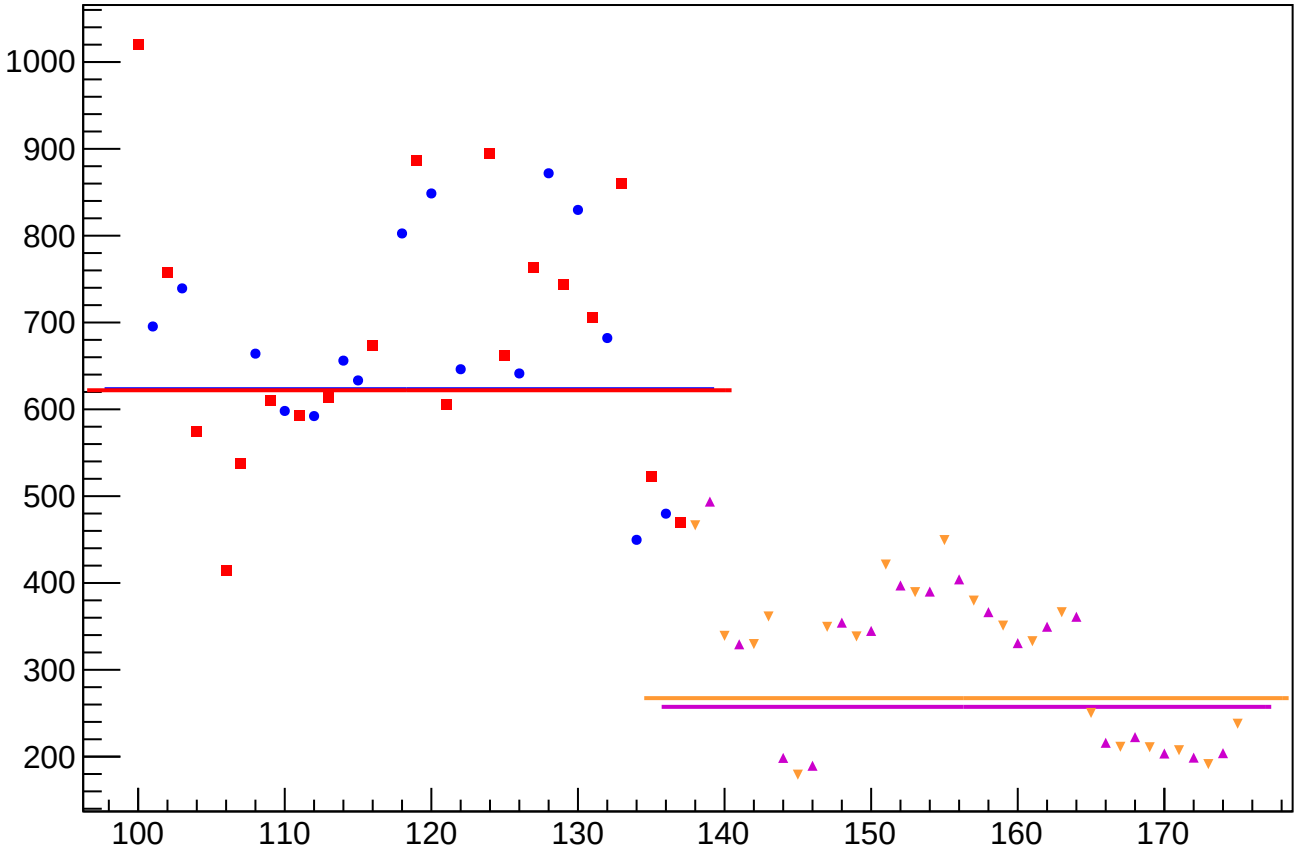
Left In: -40.233+/-70.340 χ^2/NDF:17.7/17

+ sign -341.100+/-67.704 χ^2/NDF: 88.5/35

All: -213.512+/-47.750 χ^2/NDF: 131.1/72

- sign -87.239+/-67.354 χ^2/NDF: 35.5/36

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 267.378+/-0.050 χ^2/NDF:2760686.8/19

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

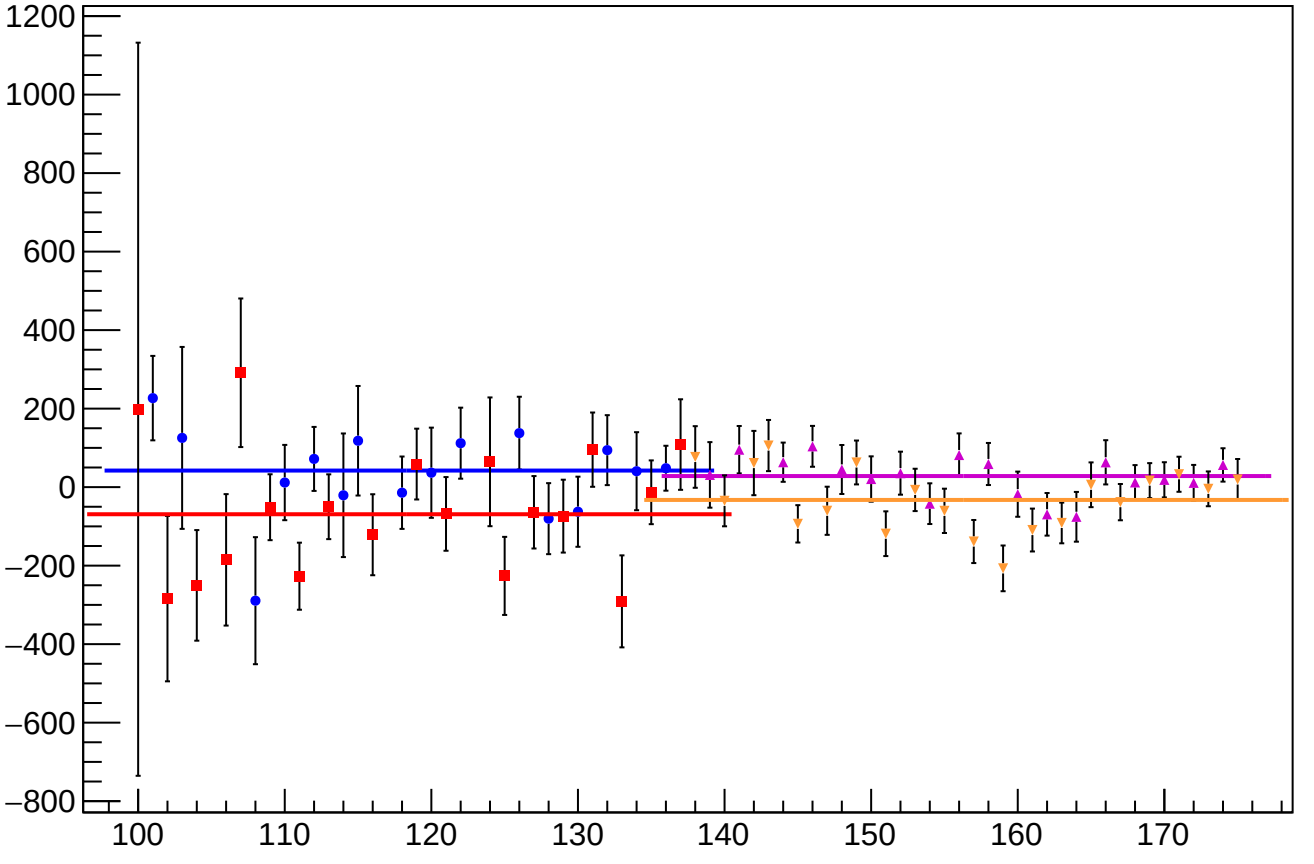
Left In: 257.345+/-0.050 χ^2/NDF:2605187.8/17

+ sign 296.054+/-0.048 χ^2/NDF: 7419228.5/35

All: 291.829+/-0.034 χ^2/NDF: 15088811.6/72

- sign 287.647+/-0.048 χ^2/NDF: 7654084.4/36

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.623+/-12.154 χ^2/NDF:36.5/19

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

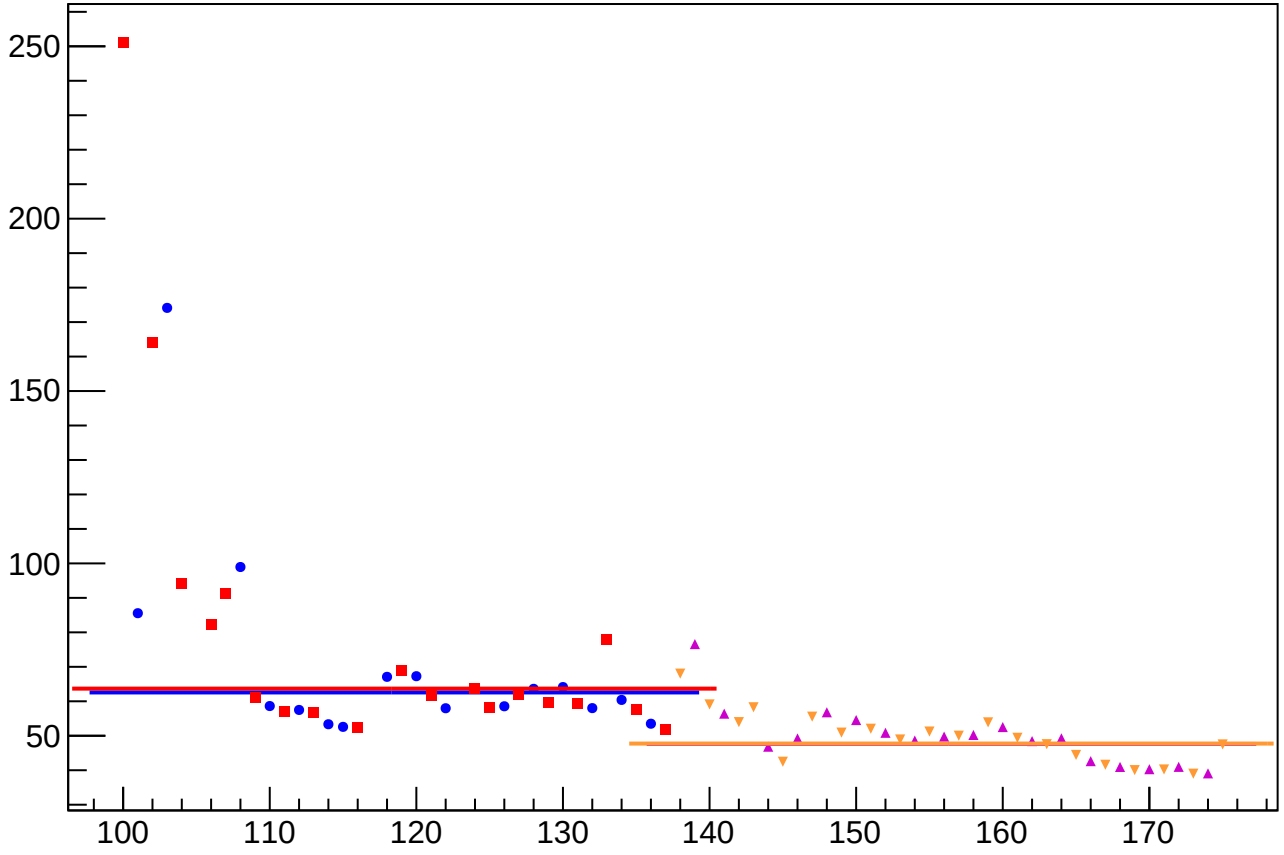
Left In: 28.223+/-12.520 χ^2/NDF:14.8/17

+ sign -17.556+/-10.862 χ^2/NDF: 57.7/35

All: -5.116+/-7.777 χ^2/NDF: 113.0/72

- sign 7.972+/-11.141 χ^2/NDF: 52.6/36

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.733+/-0.009 χ^2/NDF:605951.9/19

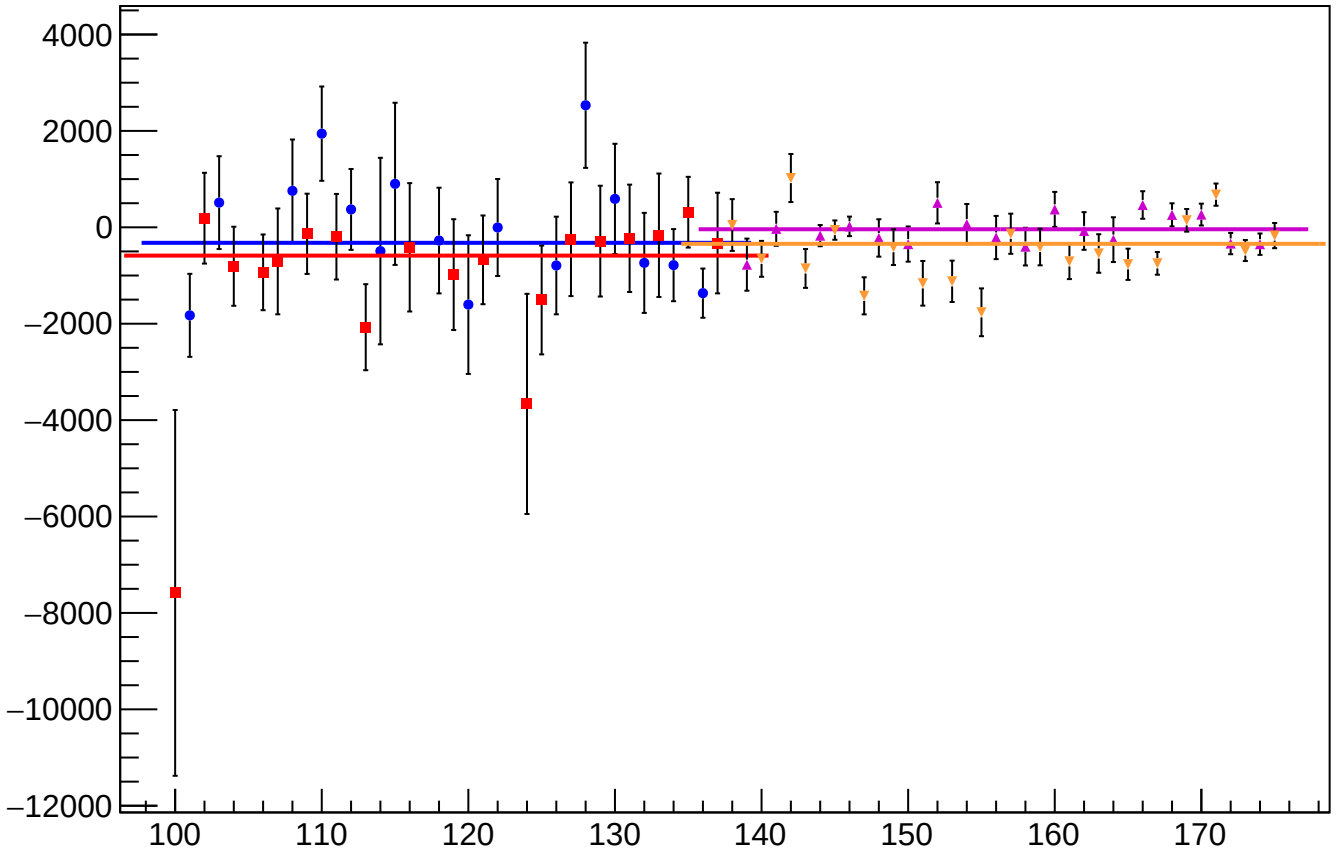
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.618+/-0.009 χ^2/NDF:627320.8/17

+ sign 50.719+/-0.008 χ^2/NDF: 1964303.0/35

All: 50.836+/-0.005 χ^2/NDF: 4108312.8/72

- sign 50.960+/-0.008 χ^2/NDF: 2143530.1/36



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -342.799+/-70.609 χ^2/NDF:65.8/19

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

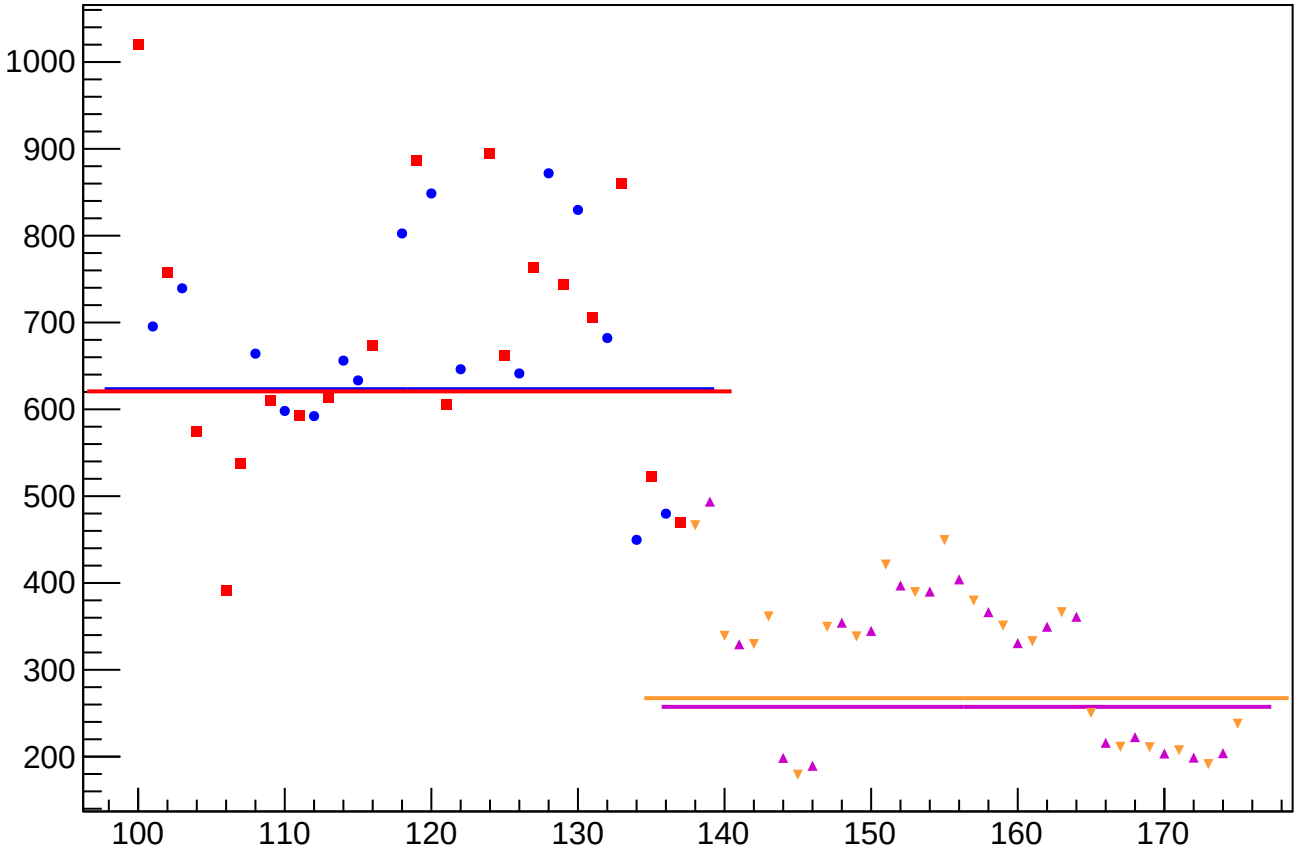
Left In: -40.237+/-70.340 χ^2/NDF:17.7/17

+ sign -341.095+/-67.704 χ^2/NDF: 88.5/35

All: -212.675+/-47.753 χ^2/NDF: 130.5/72

- sign -85.538+/-67.365 χ^2/NDF: 34.8/36

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 267.378+/-0.050 χ^2/NDF:2760692.6/19

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

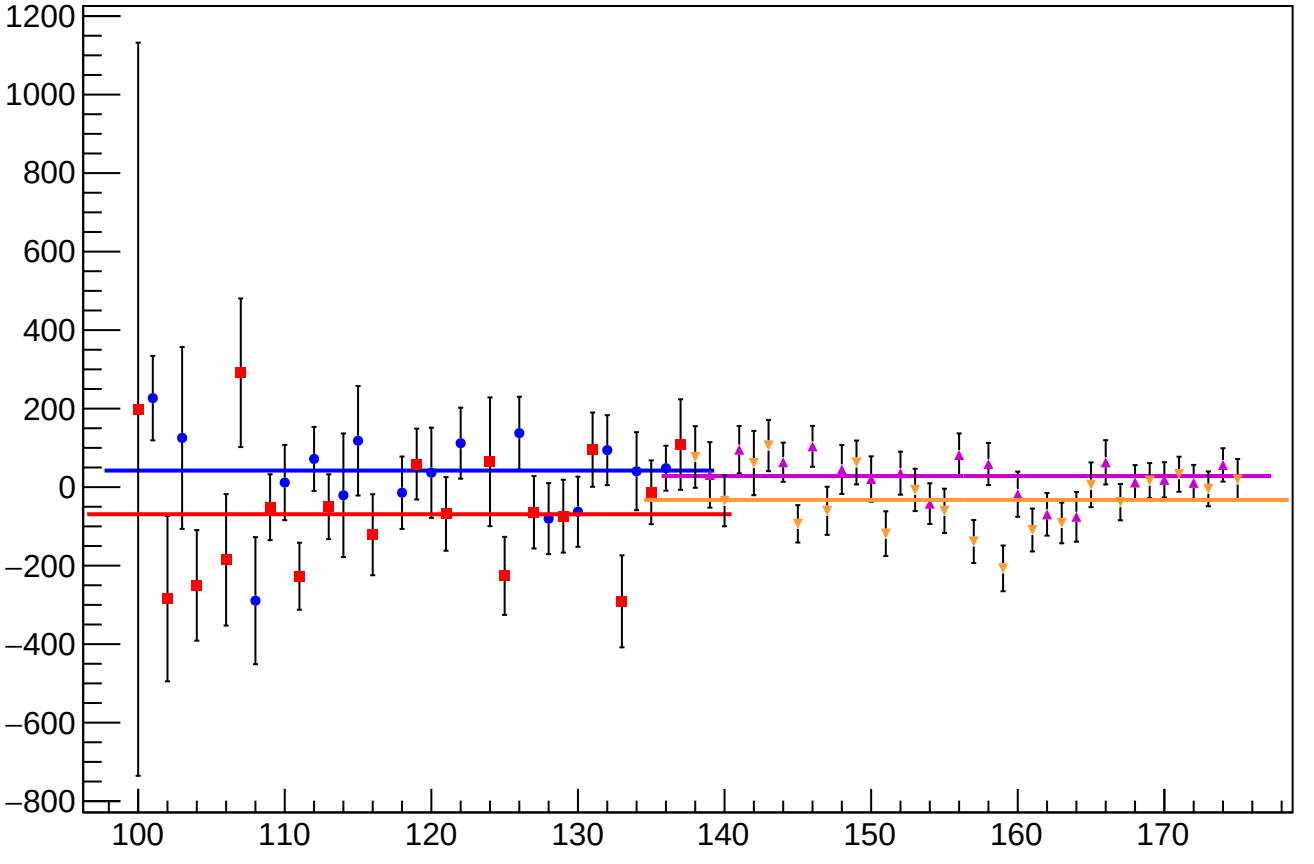
Left In: 257.345+/-0.050 χ^2/NDF:2605182.5/17

+ sign 296.054+/-0.048 χ^2/NDF: 7419291.3/35

All: 291.723+/-0.034 χ^2/NDF: 15070583.5/72

- sign 287.436+/-0.048 χ^2/NDF: 7635008.1/36

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.623+/-12.154 χ^2/NDF:36.5/19

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

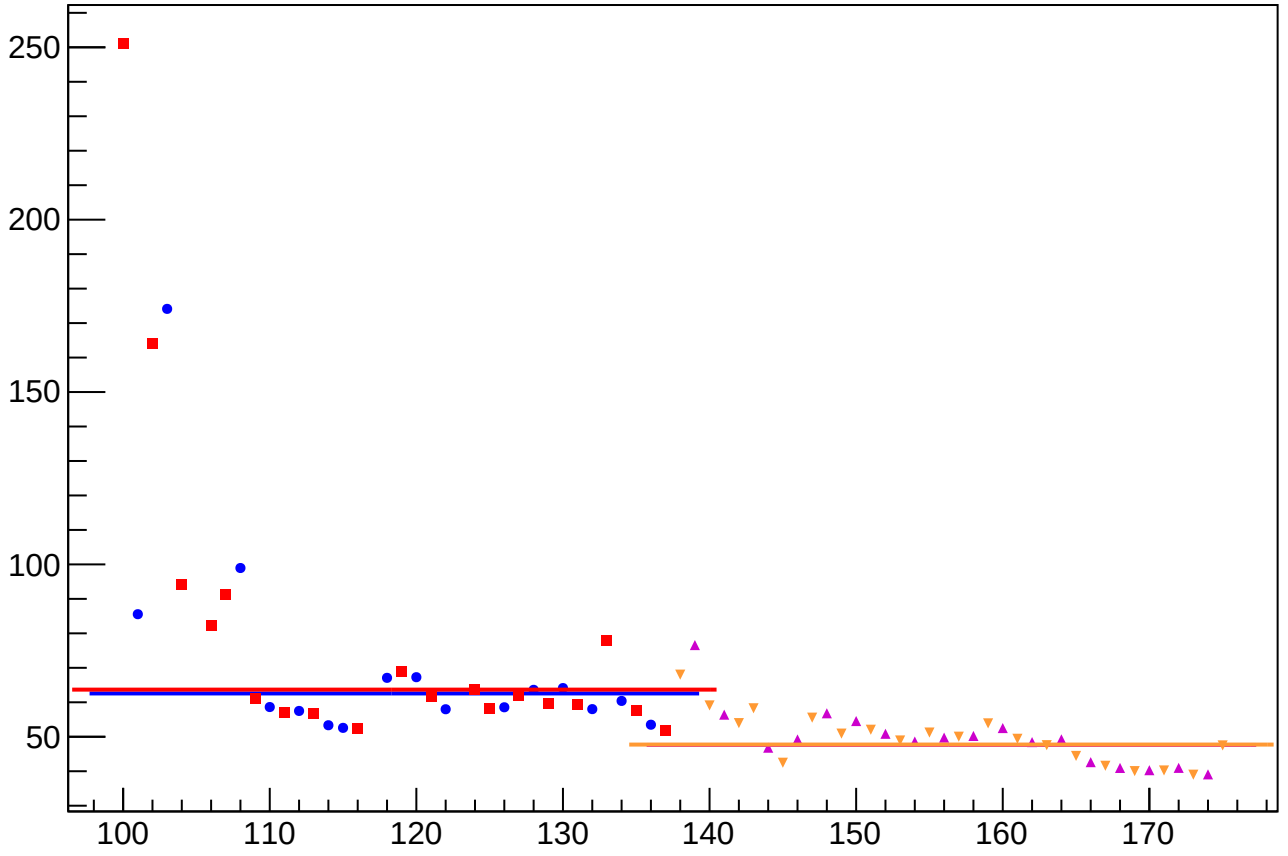
Left In: 28.223+/-12.520 χ^2/NDF:14.8/17

+ sign -17.556+/-10.862 χ^2/NDF: 57.7/35

All: -5.116+/-7.777 χ^2/NDF: 113.0/72

- sign 7.972+/-11.141 χ^2/NDF: 52.6/36

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.733+/-0.009 χ^2/NDF:605951.9/19

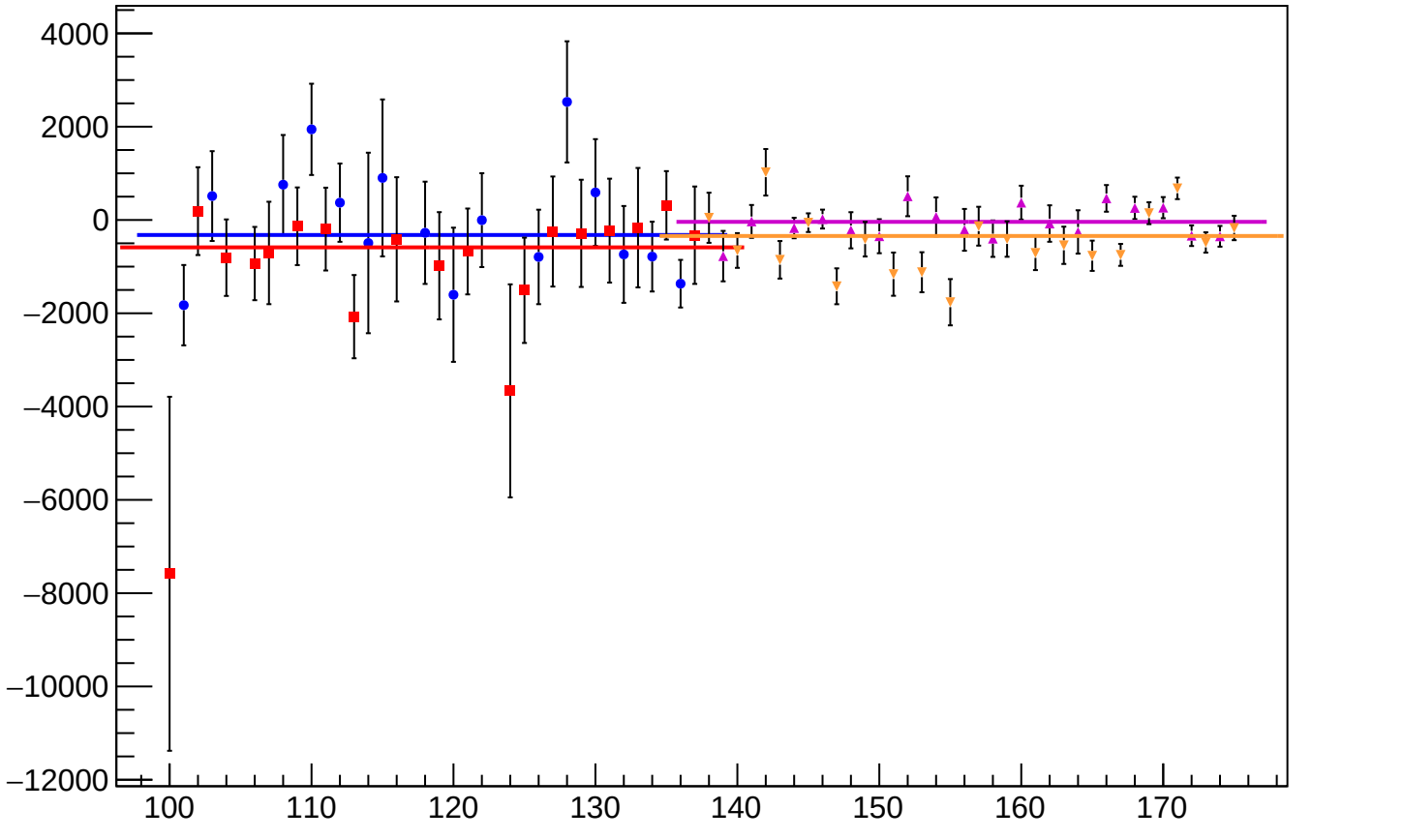
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.618+/-0.009 χ^2/NDF:627320.8/17

+ sign 50.719+/-0.008 χ^2/NDF: 1964303.0/35

All: 50.836+/-0.005 χ^2/NDF: 4108312.8/72

- sign 50.960+/-0.008 χ^2/NDF: 2143530.1/36



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -342.799+/-70.609 χ^2/NDF:65.8/19

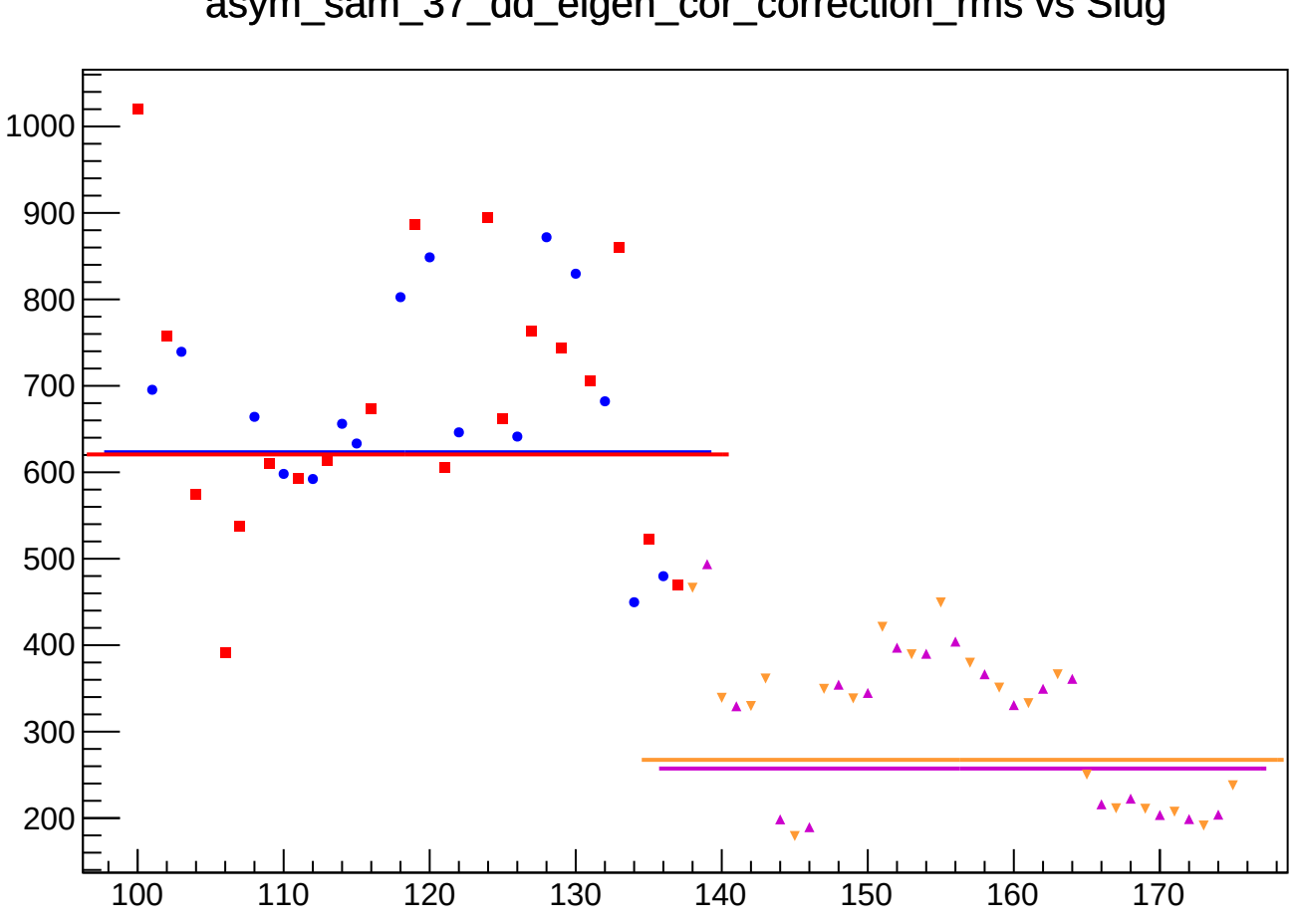
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -40.237+/-70.340 χ^2/NDF:17.7/17

+ sign -341.095+/-67.704 χ^2/NDF: 88.5/35

All: -212.675+/-47.753 χ^2/NDF: 130.5/72

- sign -85.538+/-67.365 χ^2/NDF: 34.8/36



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 267.378+/-0.050 χ^2/NDF:2760692.6/19

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

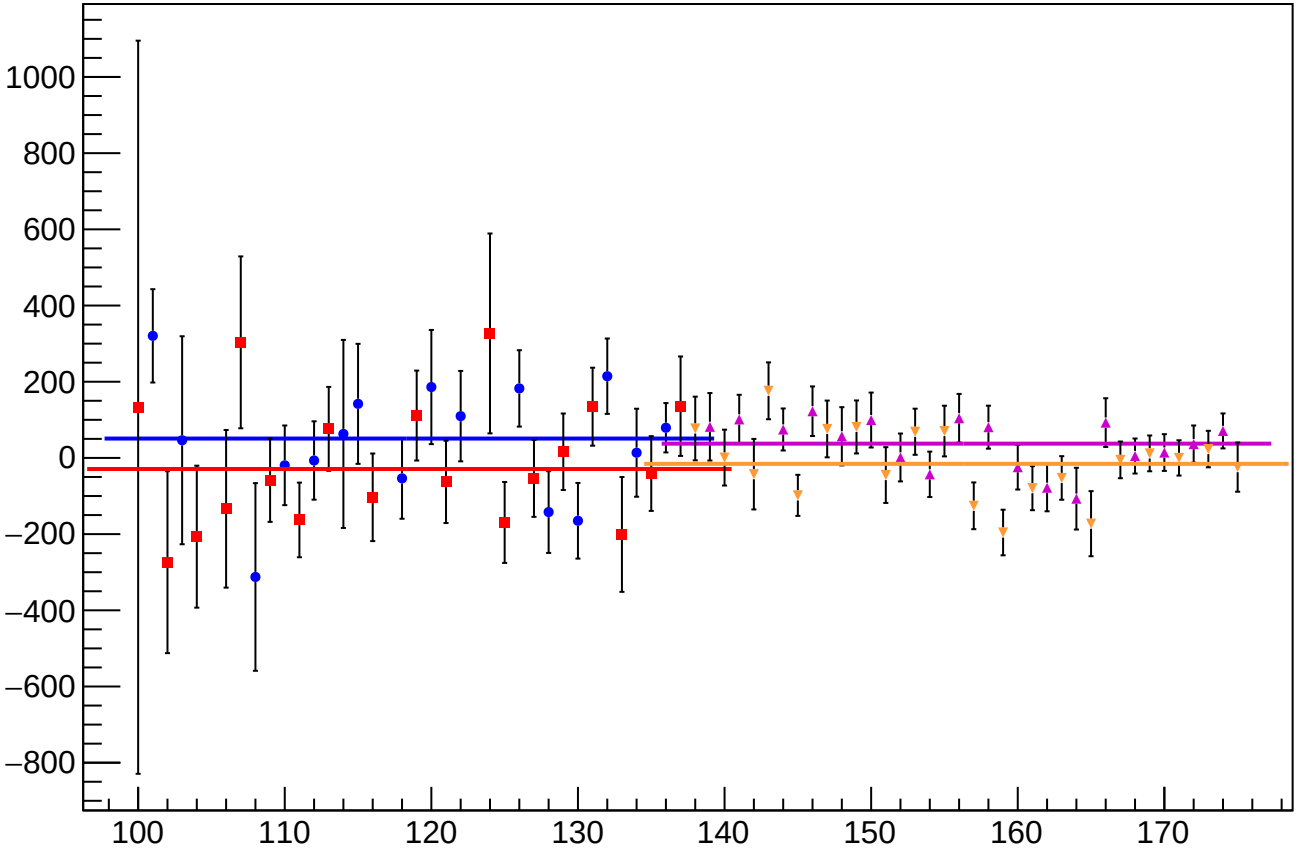
Left In: 257.345+/-0.050 χ^2/NDF:2605182.5/17

+ sign 296.054+/-0.048 χ^2/NDF: 7419291.3/35

All: 291.723+/-0.034 χ^2/NDF: 15070583.5/72

- sign 287.436+/-0.048 χ^2/NDF: 7635008.1/36

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -15.536+/-13.665 χ^2/NDF:36.0/19

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

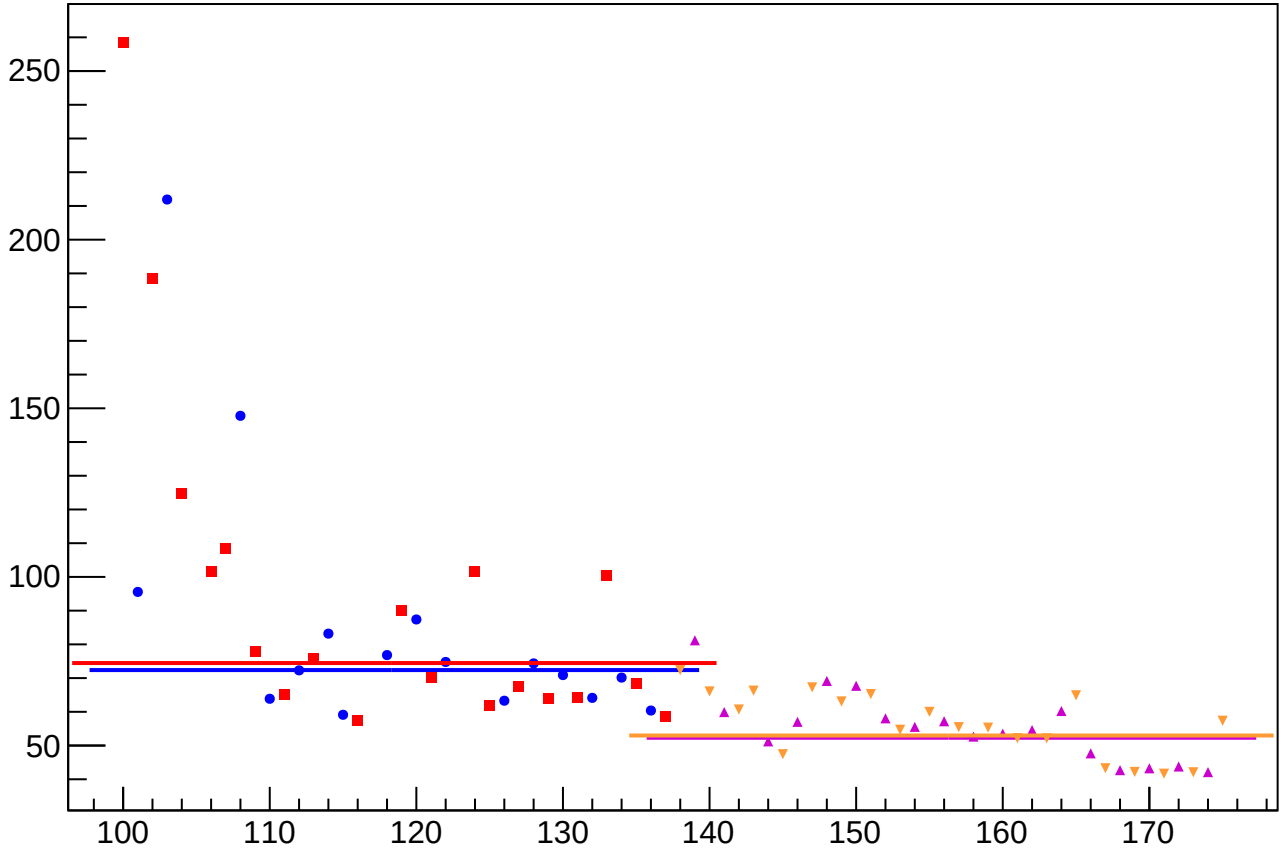
Left In: 37.481+/-13.951 χ^2/NDF:17.8/17

+ sign -2.997+/-12.307 χ^2/NDF: 63.4/35

All: 10.671+/-8.792 χ^2/NDF: 106.5/72

- sign 24.916+/-12.564 χ^2/NDF: 40.6/36

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.979+/-0.010 χ^2/NDF:930670.5/19

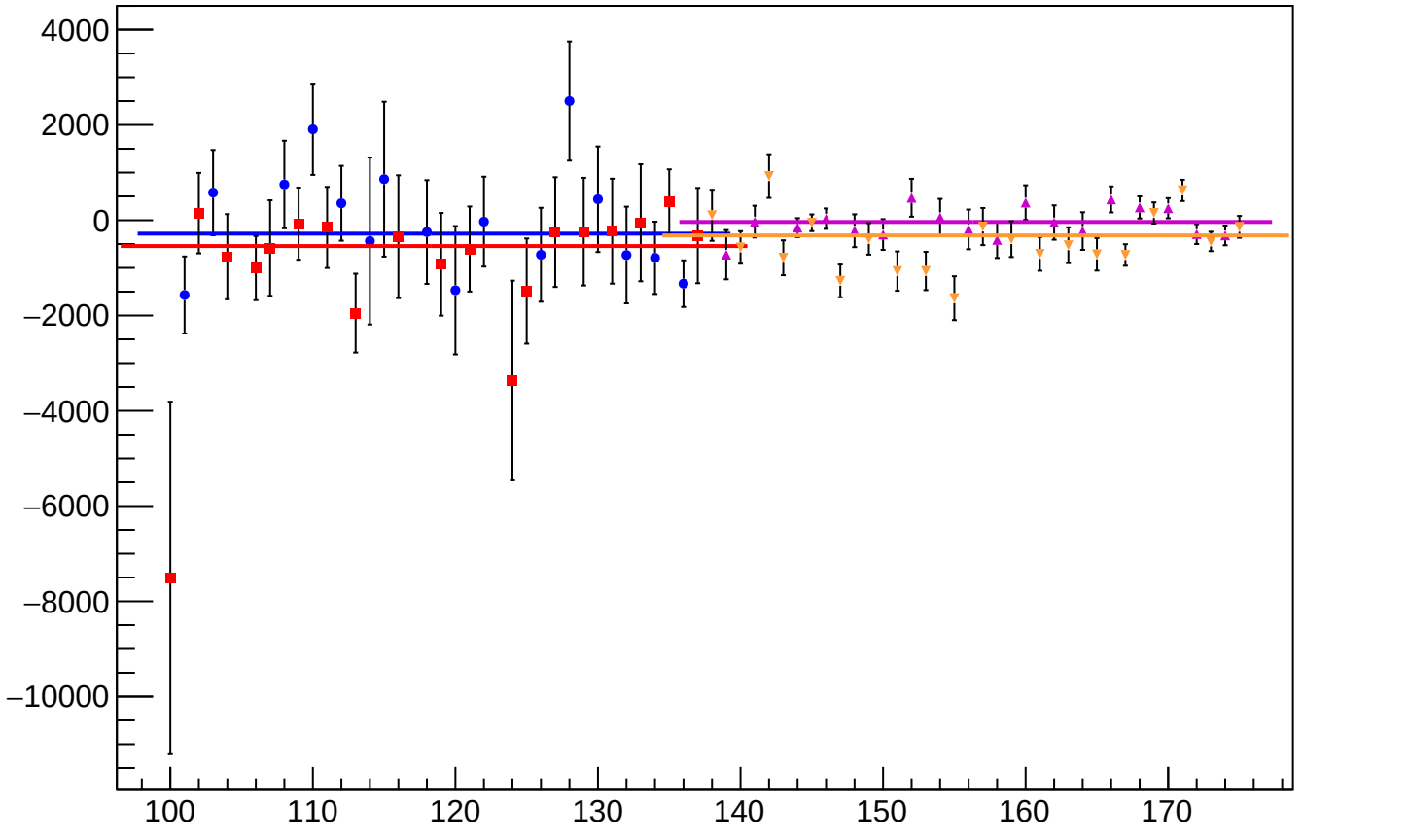
Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 52.306+/-0.010 χ^2/NDF:825931.3/17

+ sign 56.643+/-0.009 χ^2/NDF: 2630223.0/35

All: 56.569+/-0.006 χ^2/NDF: 5461577.9/72

- sign 56.491+/-0.009 χ^2/NDF: 2831204.9/36



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -319.149+/-65.697 χ^2/NDF:65.1/19

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

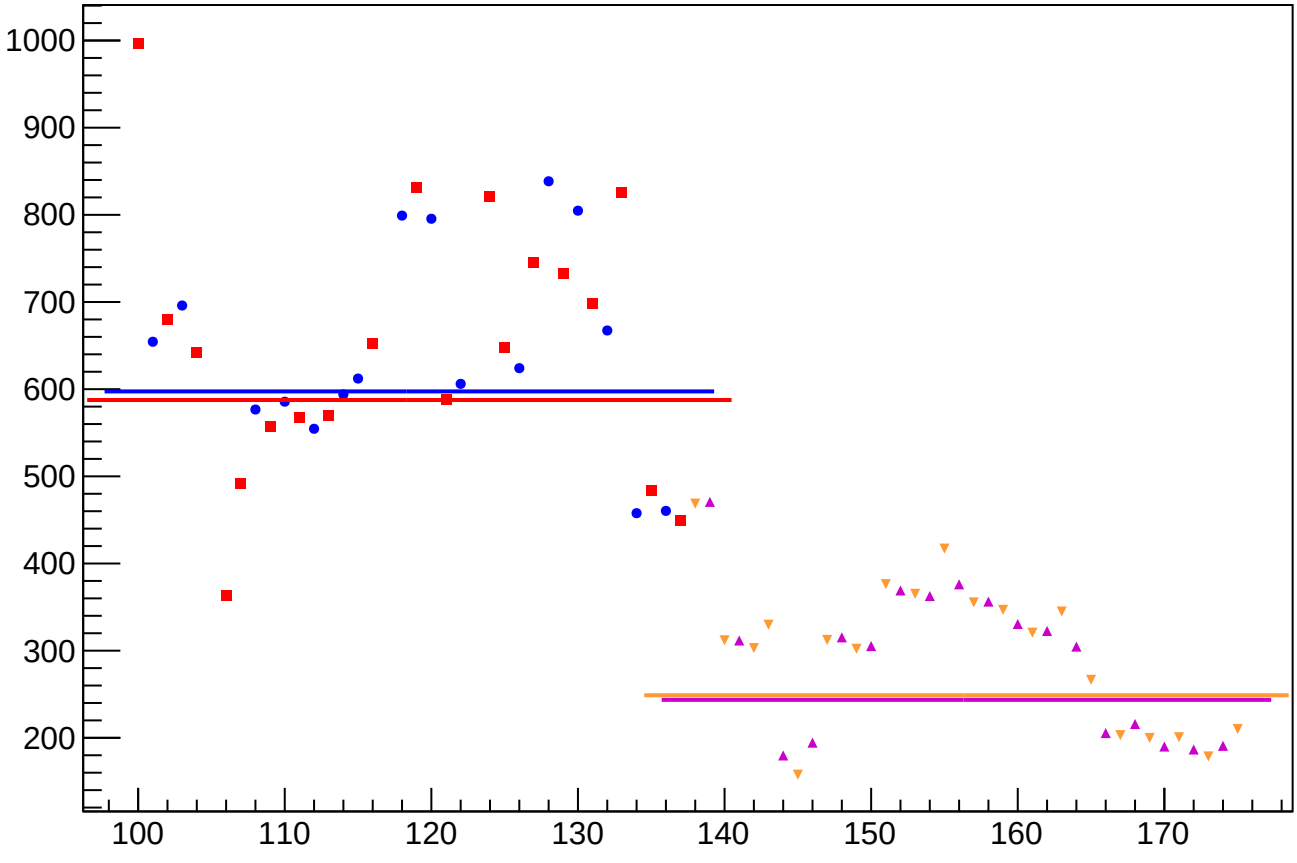
Left In: -36.280+/-66.477 χ^2/NDF:17.5/17

+ sign -316.299+/-63.124 χ^2/NDF: 87.9/35

All: -198.289+/-44.823 χ^2/NDF: 130.4/72

- sign -78.277+/-63.657 χ^2/NDF: 35.5/36

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 248.853+/-0.046 χ^2/NDF:2887157.6/19

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

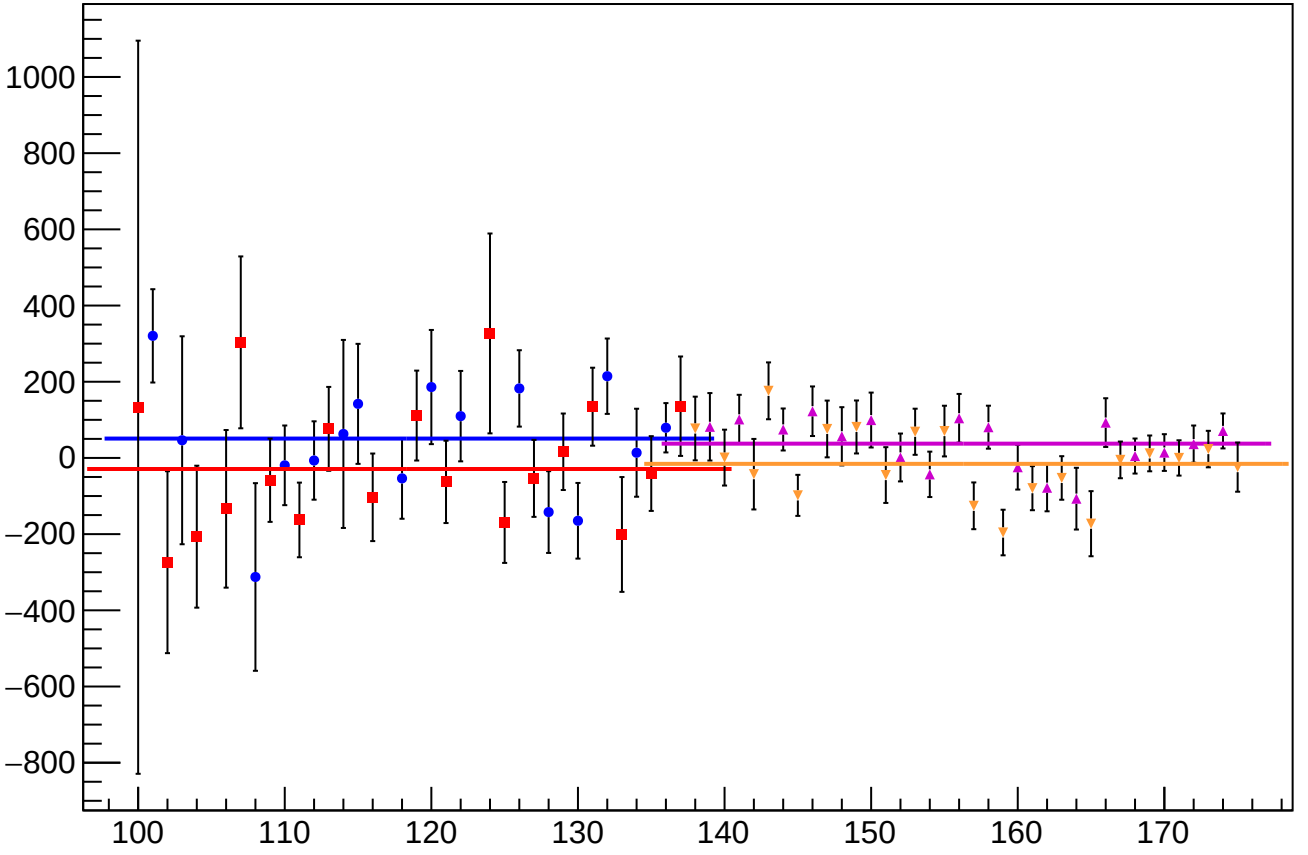
Left In: 243.584+/-0.047 χ^2/NDF:2443707.2/17

+ sign 275.622+/-0.045 χ^2/NDF: 7744891.4/35

All: 273.900+/-0.032 χ^2/NDF: 15327369.7/72

- sign 272.148+/-0.045 χ^2/NDF: 7579475.6/36

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -15.535+/-13.666 χ^2/NDF:36.0/19

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

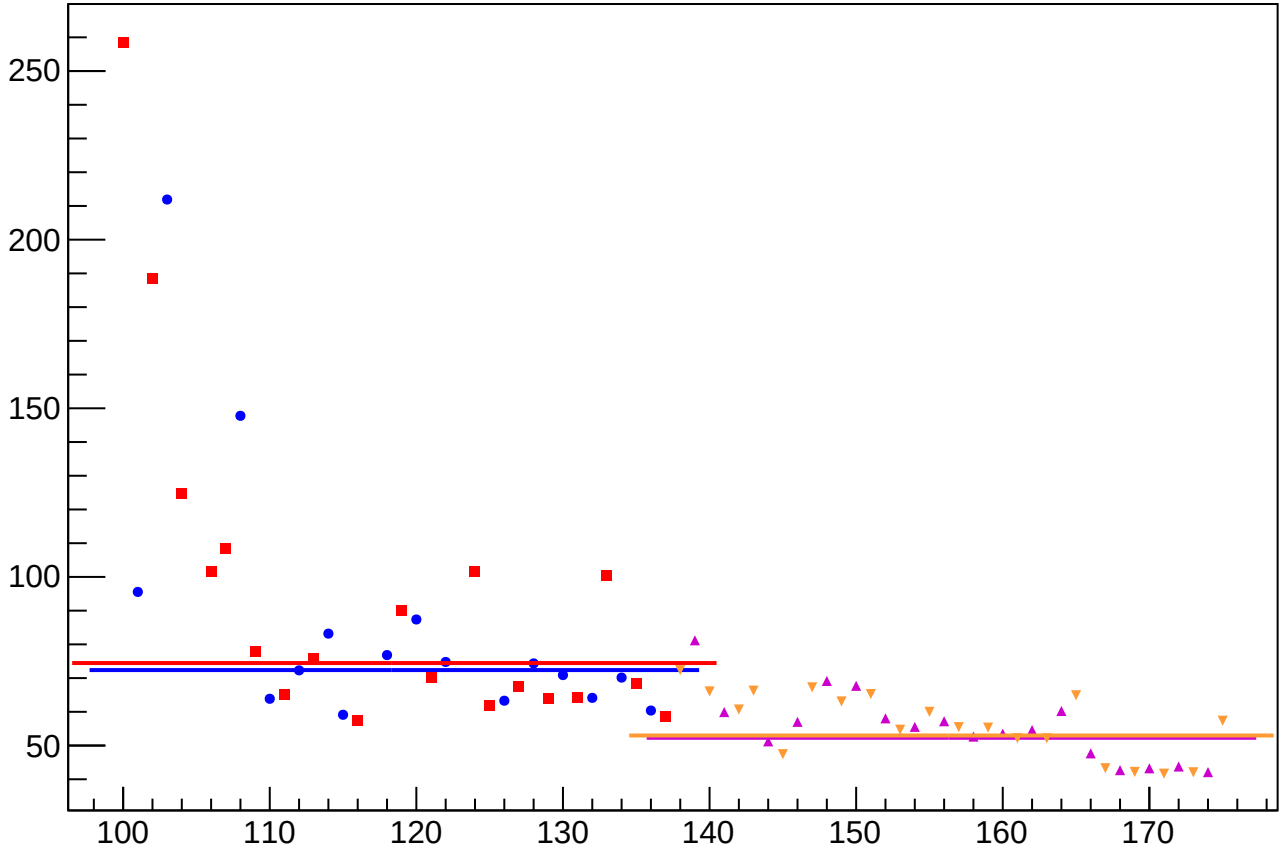
Left In: 37.481+/-13.951 χ^2/NDF:17.8/17

\+ sign -2.996+/-12.307 χ^2/NDF: 63.4/35

All: 10.671+/-8.792 χ^2/NDF: 106.5/72

\- sign 24.916+/-12.564 χ^2/NDF: 40.6/36

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 52.979+/-0.010 χ^2/NDF:930692.9/19

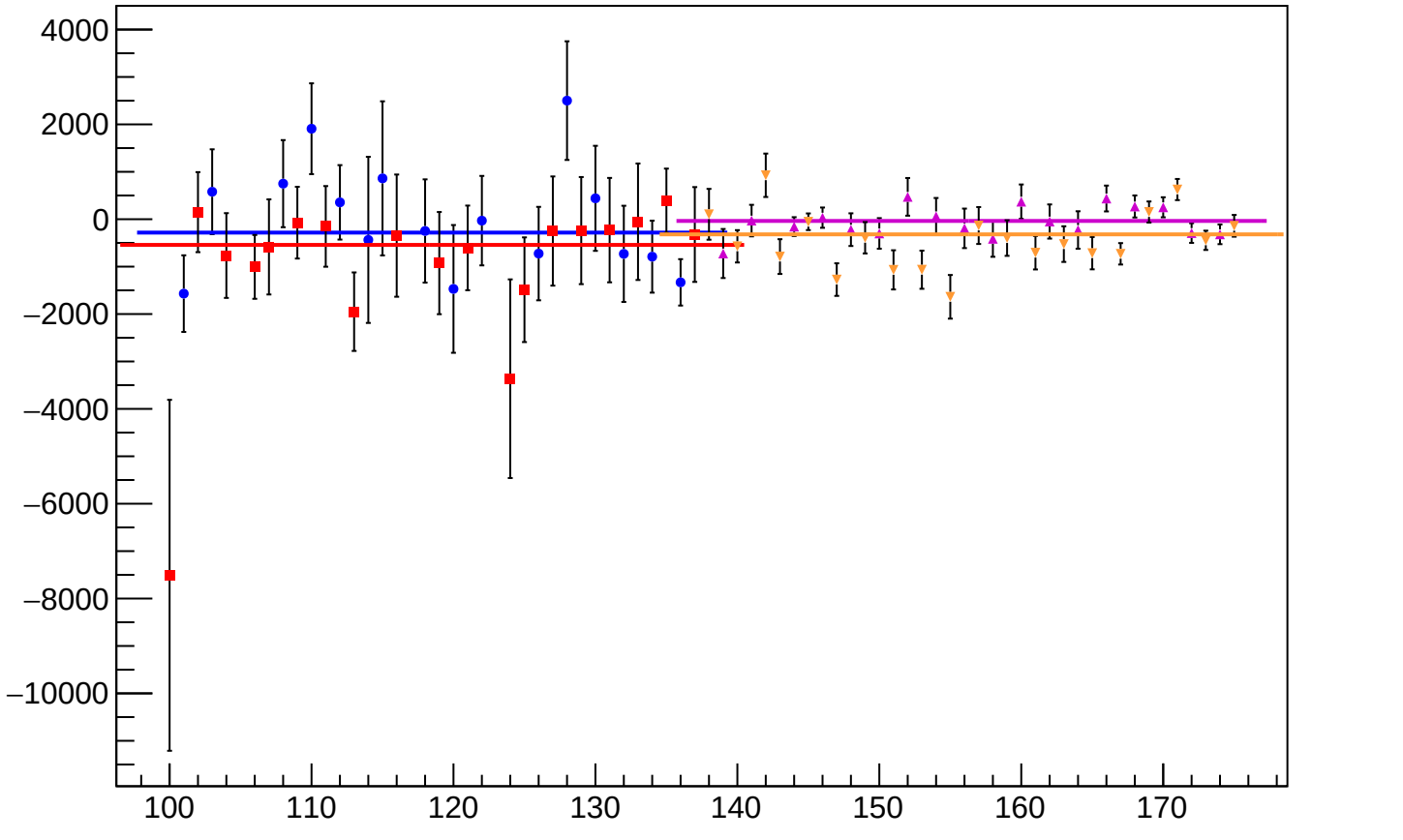
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 52.306+/-0.010 χ^2/NDF:825939.8/17

+ sign 56.643+/-0.009 χ^2/NDF: 2630232.5/35

All: 56.569+/-0.006 χ^2/NDF: 5461575.7/72

- sign 56.491+/-0.009 χ^2/NDF: 2831193.2/36



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -319.149+/-65.697 χ^2/NDF:65.1/19

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

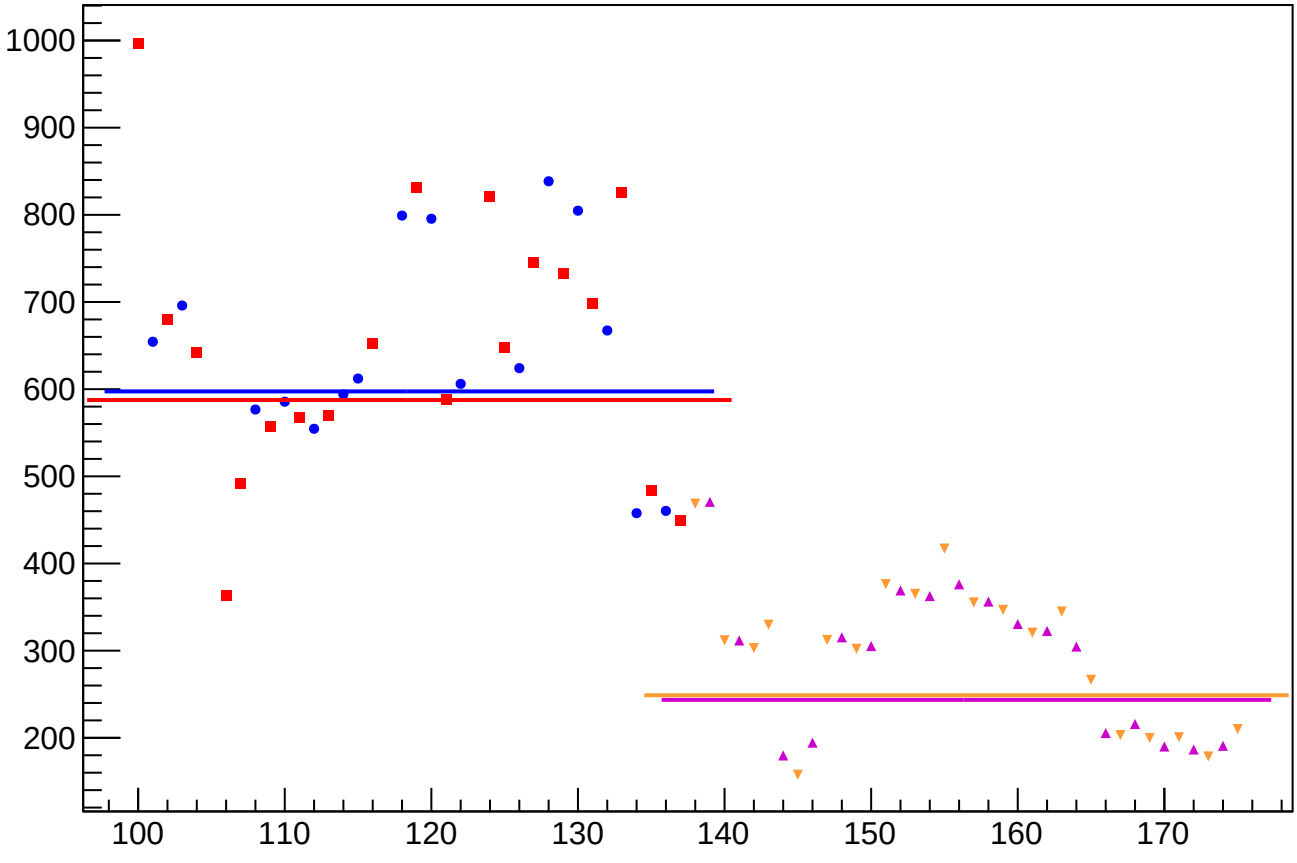
Left In: -36.279+/-66.477 χ^2/NDF:17.5/17

+ sign -316.299+/-63.124 χ^2/NDF: 87.9/35

All: -198.289+/-44.823 χ^2/NDF: 130.4/72

- sign -78.276+/-63.657 χ^2/NDF: 35.5/36

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 248.853+/-0.046 χ^2/NDF:2887147.7/19

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

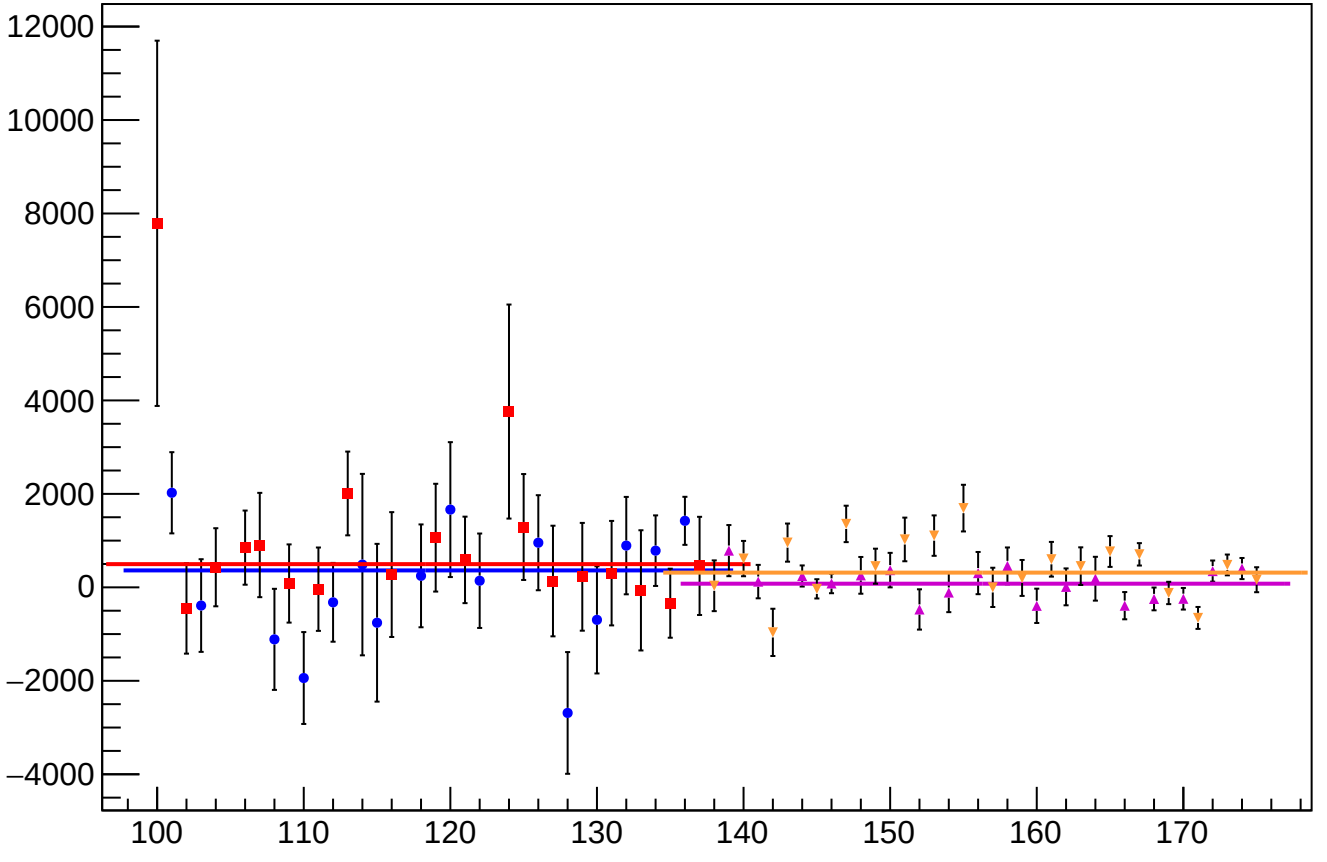
Left In: 243.584+/-0.047 χ^2/NDF:2443700.8/17

+ sign 275.622+/-0.045 χ^2/NDF: 7744887.8/35

All: 273.900+/-0.032 χ^2/NDF: 15327361.3/72

- sign 272.148+/-0.045 χ^2/NDF: 7579470.7/36

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 315.258+/-71.825 χ^2/NDF:60.4/19

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

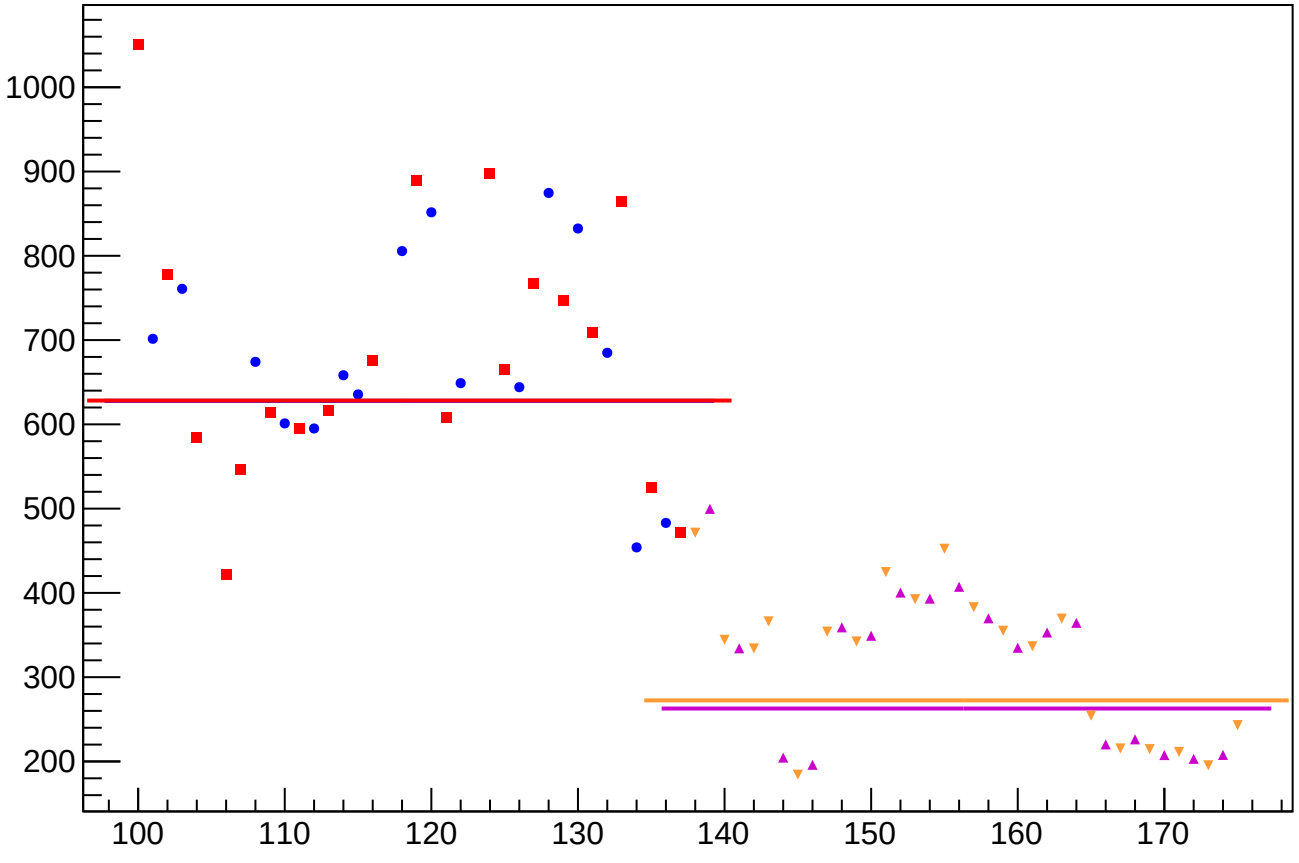
Left In: 78.153+/-71.681 χ^2/NDF:17.6/17

+ sign 319.123+/-68.816 χ^2/NDF: 85.5/35

All: 215.965+/-48.580 χ^2/NDF: 123.1/72

- sign 113.492+/-68.588 χ^2/NDF: 33.2/36

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 272.436+/-0.051 χ^2/NDF:2669049.8/19

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

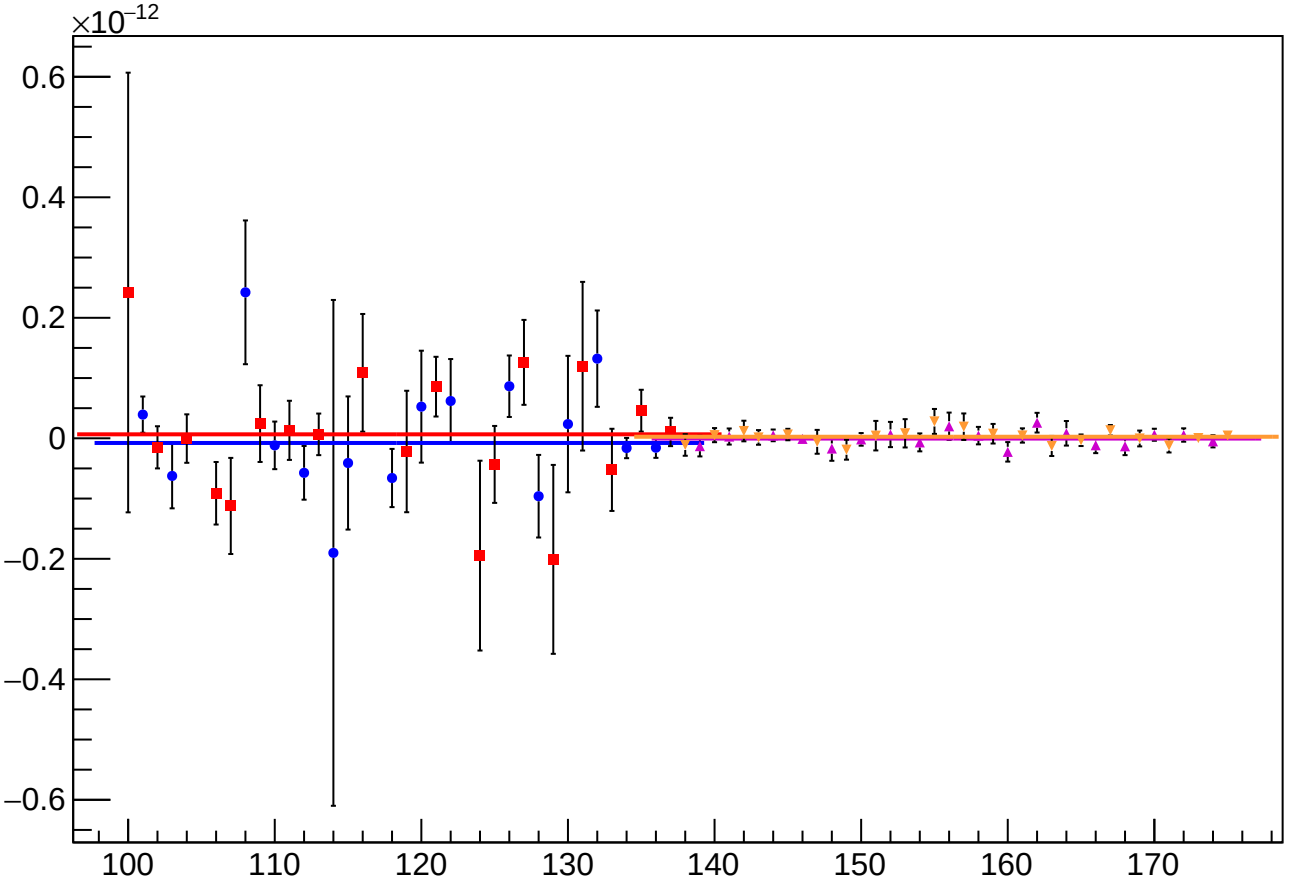
Left In: 262.801+/-0.051 χ^2/NDF:2504143.9/17

+ sign 301.587+/-0.049 χ^2/NDF: 7253106.4/35

All: 297.611+/-0.034 χ^2/NDF: 14731282.7/72

- sign 293.661+/-0.048 χ^2/NDF: 7464864.0/36

asym_sam_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/19

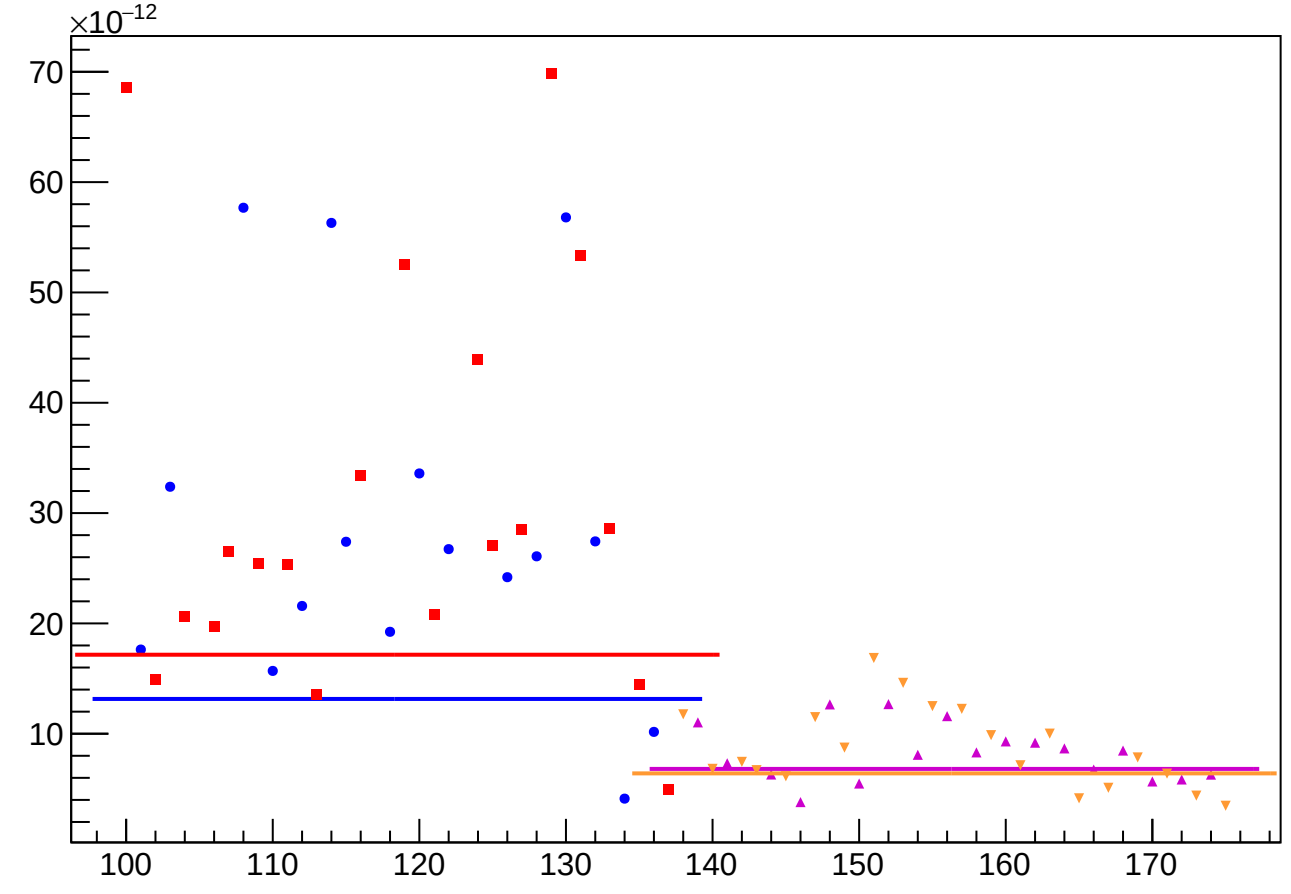
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 31.8/35

All: 0.000+/-0.000 χ^2/NDF: 62.1/72

- sign -0.000+/-0.000 χ^2/NDF: 30.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2193660.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

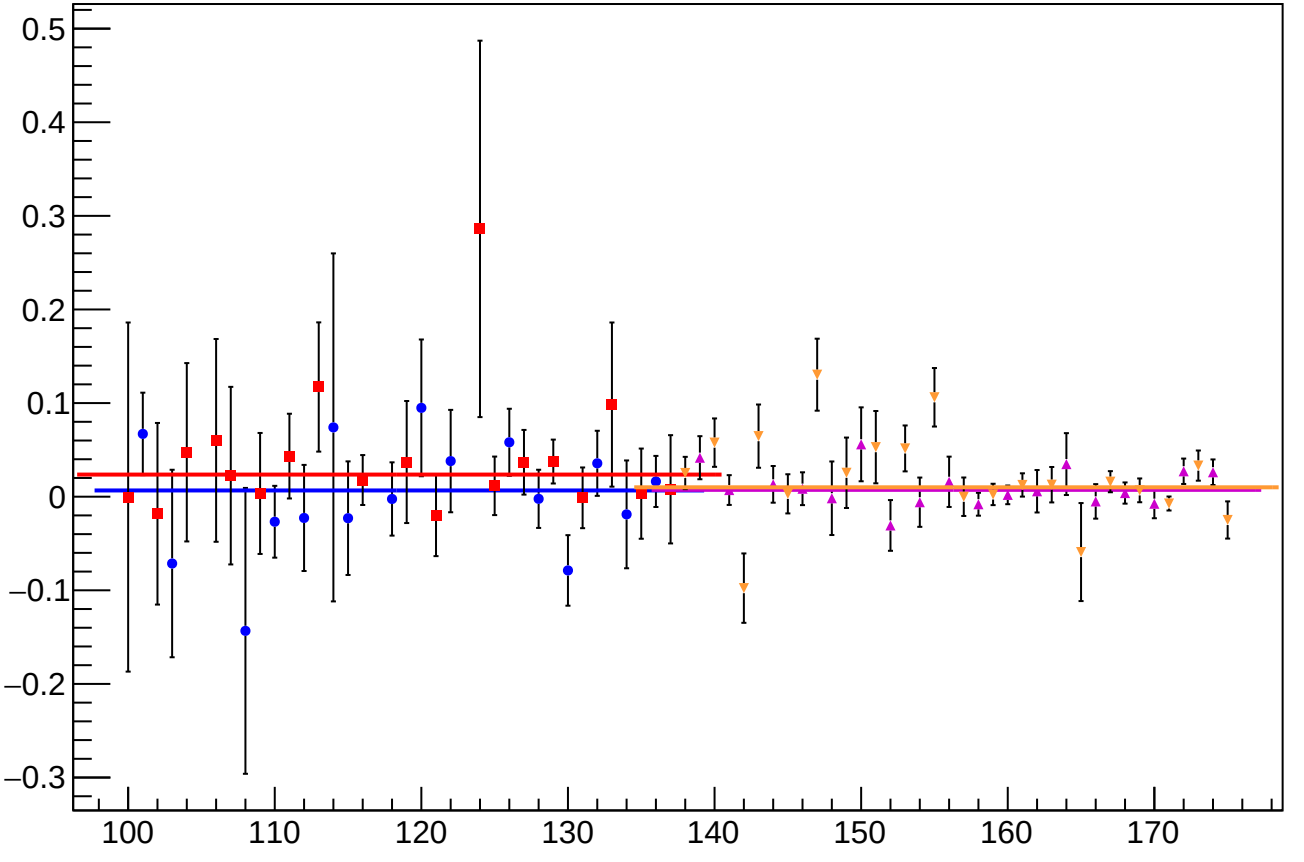
Left In: 0.000+/-0.000 χ^2/NDF:1122016.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 5233866.5/35

All: 0.000+/-0.000 χ^2/NDF: 9548841.7/72

- sign 0.000+/-0.000 χ^2/NDF: 4276812.4/36

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:52.2/19

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

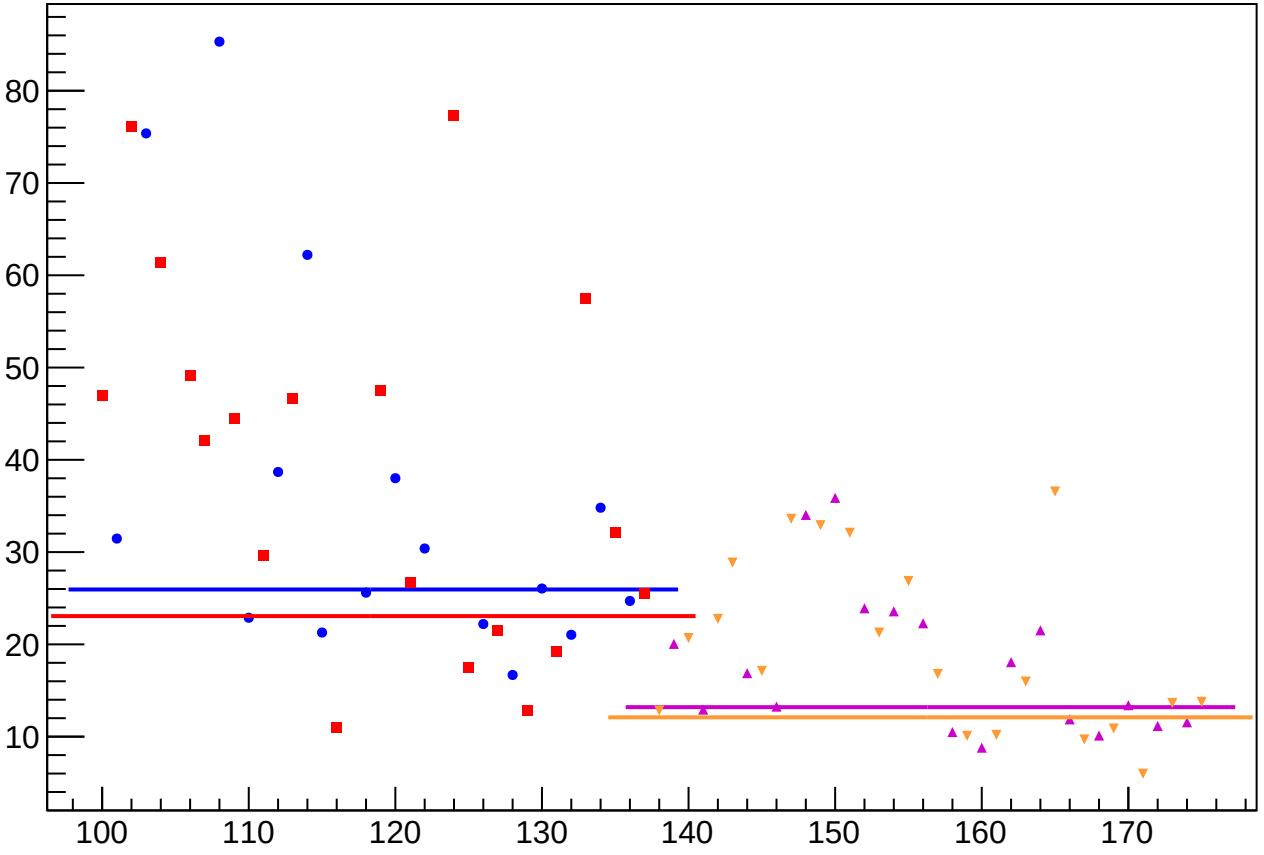
Left In: 0.007+/-0.004 χ^2/NDF:14.3/17

+ sign 0.010+/-0.004 χ^2/NDF: 67.3/35

All: 0.010+/-0.003 χ^2/NDF: 91.2/72

- sign 0.009+/-0.004 χ^2/NDF: 23.9/36

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.094+/-0.003 χ^2/NDF:5712821.2/19

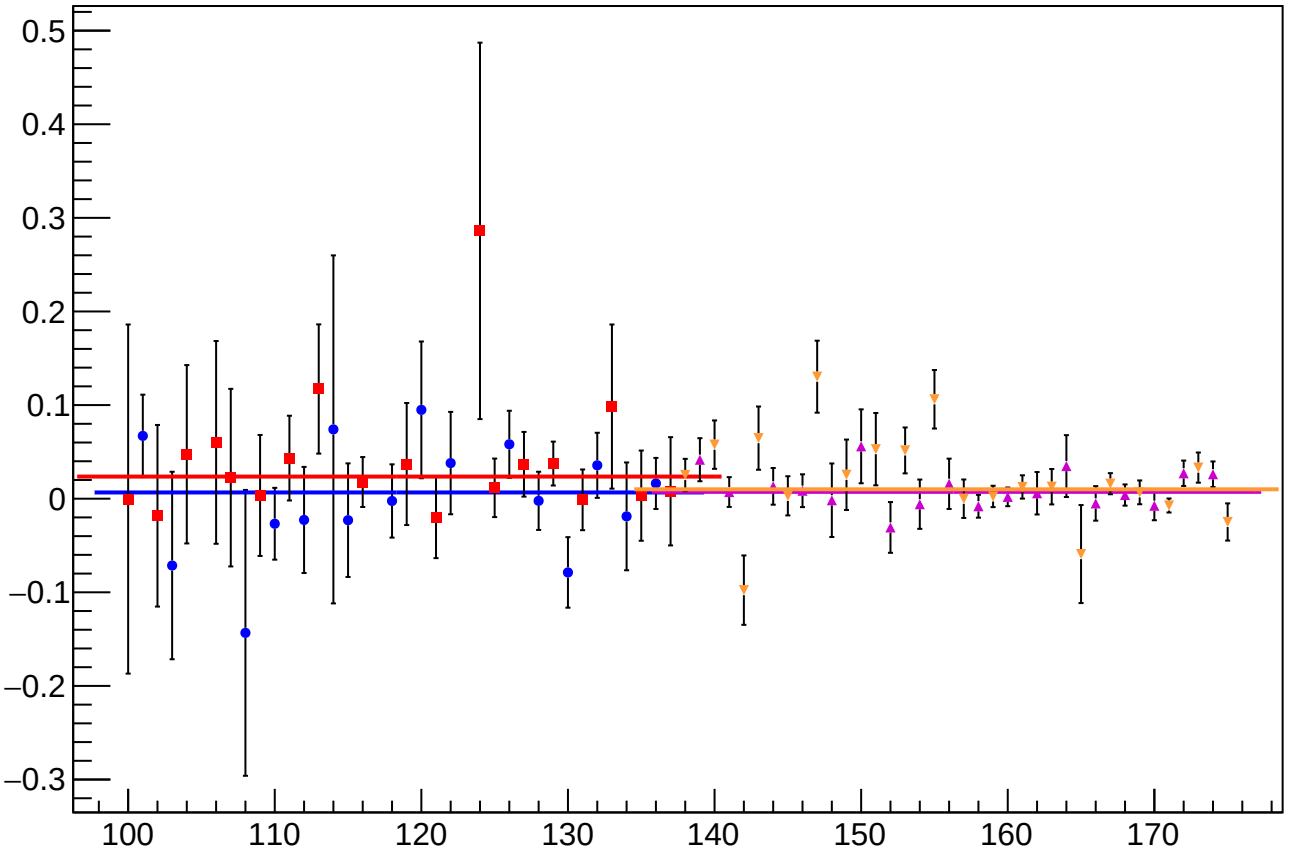
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.197+/-0.003 χ^2/NDF:3260698.7/17

+ sign 13.507+/-0.003 χ^2/NDF: 9892972.3/35

All: 13.952+/-0.002 χ^2/NDF: 18123412.8/72

- sign 14.447+/-0.003 χ^2/NDF: 8163804.4/36



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:52.2/19

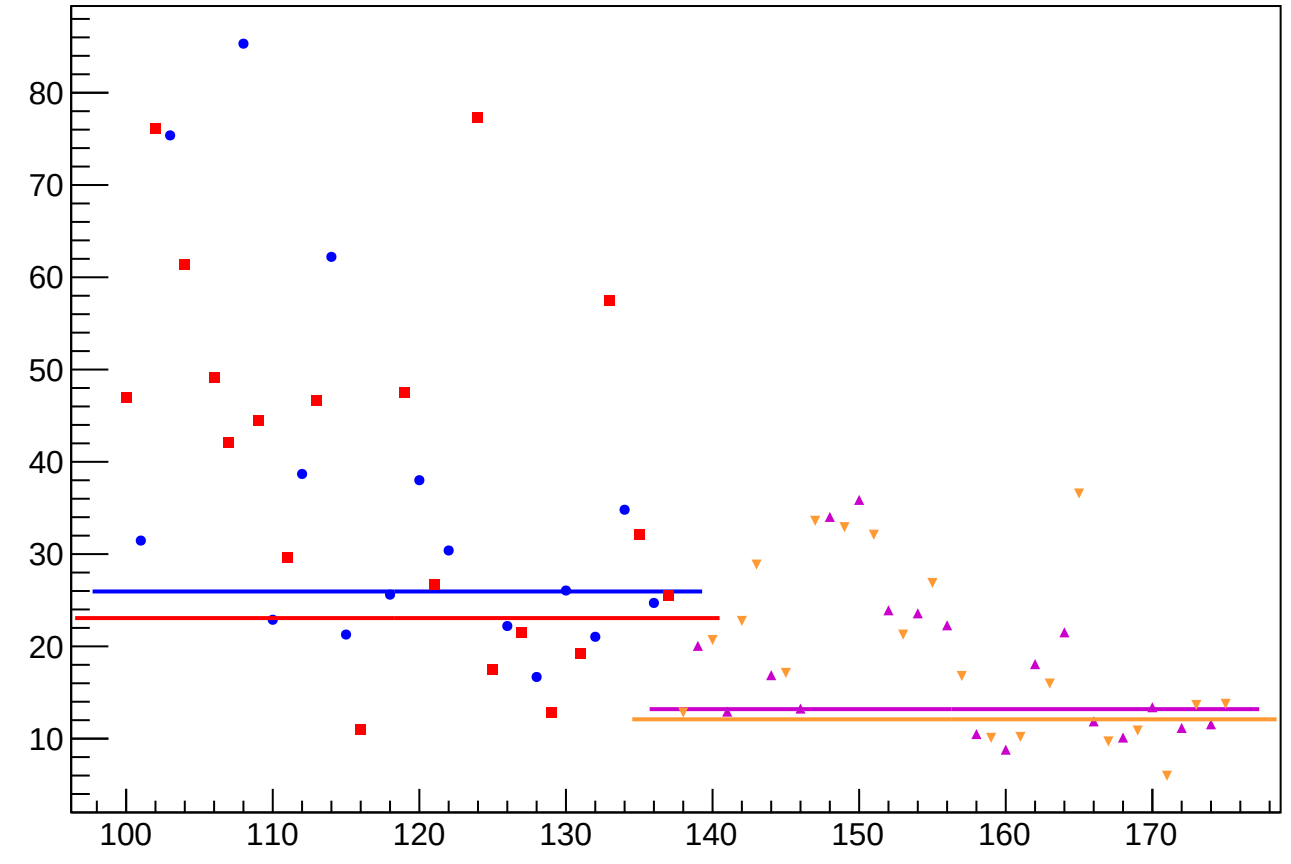
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.007+/-0.004 χ^2/NDF:14.3/17

+ sign 0.010+/-0.004 χ^2/NDF: 67.3/35

All: 0.010+/-0.003 χ^2/NDF: 91.2/72

- sign 0.009+/-0.004 χ^2/NDF: 23.9/36



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.094+/-0.003 χ^2/NDF:5712821.2/19

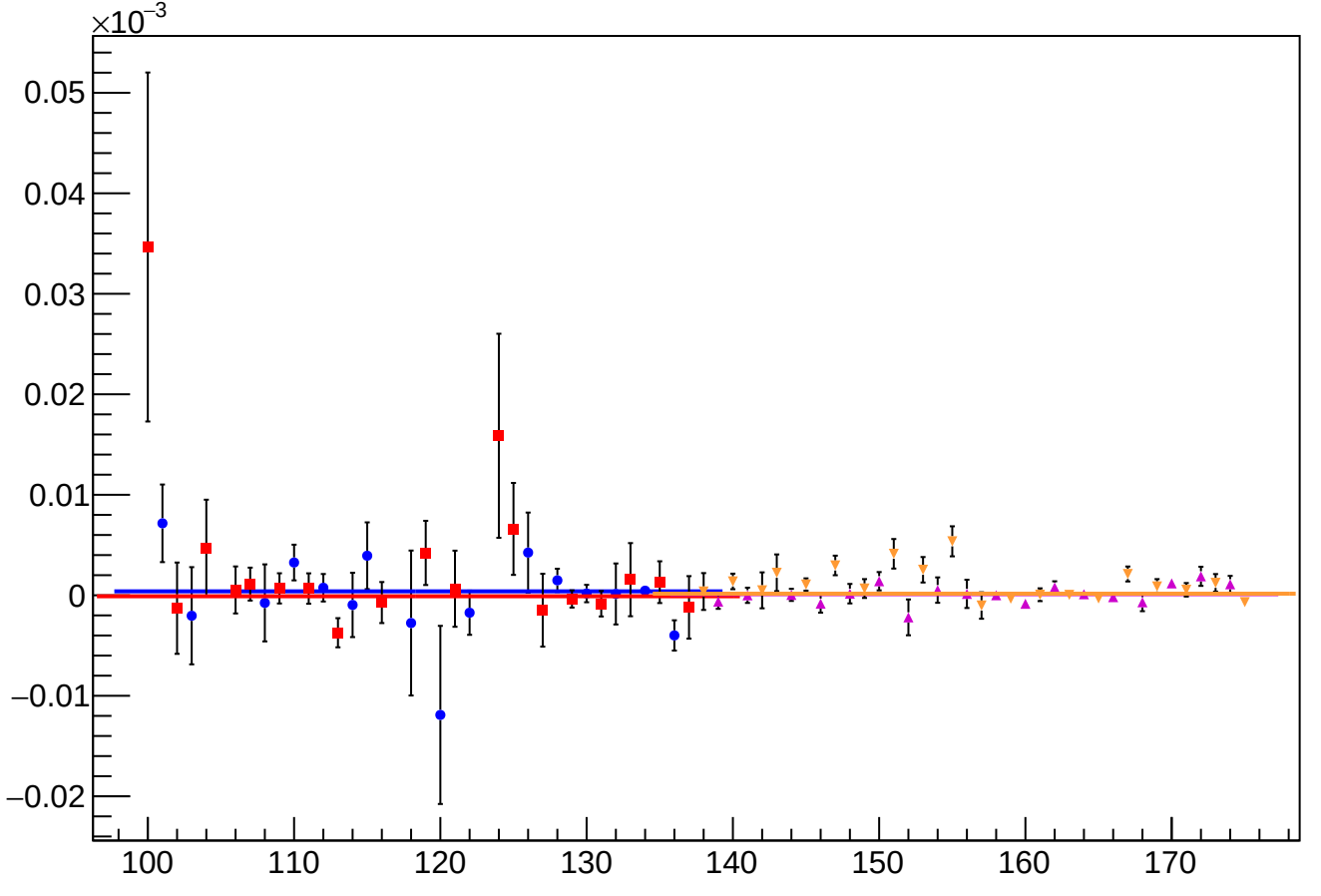
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.197+/-0.003 χ^2/NDF:3260698.7/17

+ sign 13.507+/-0.003 χ^2/NDF: 9892972.3/35

All: 13.952+/-0.002 χ^2/NDF: 18123412.8/72

- sign 14.447+/-0.003 χ^2/NDF: 8163804.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:58.7/19

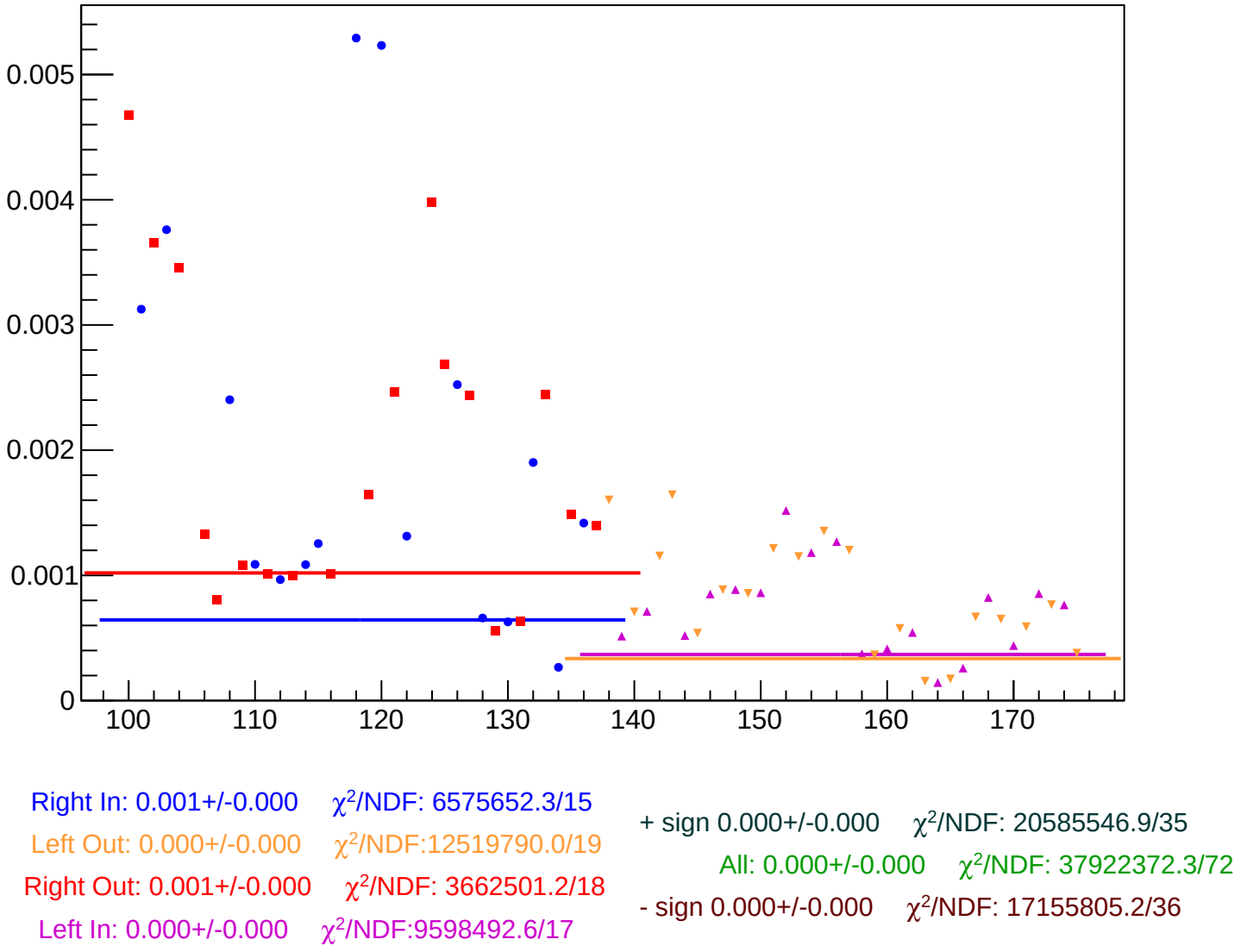
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

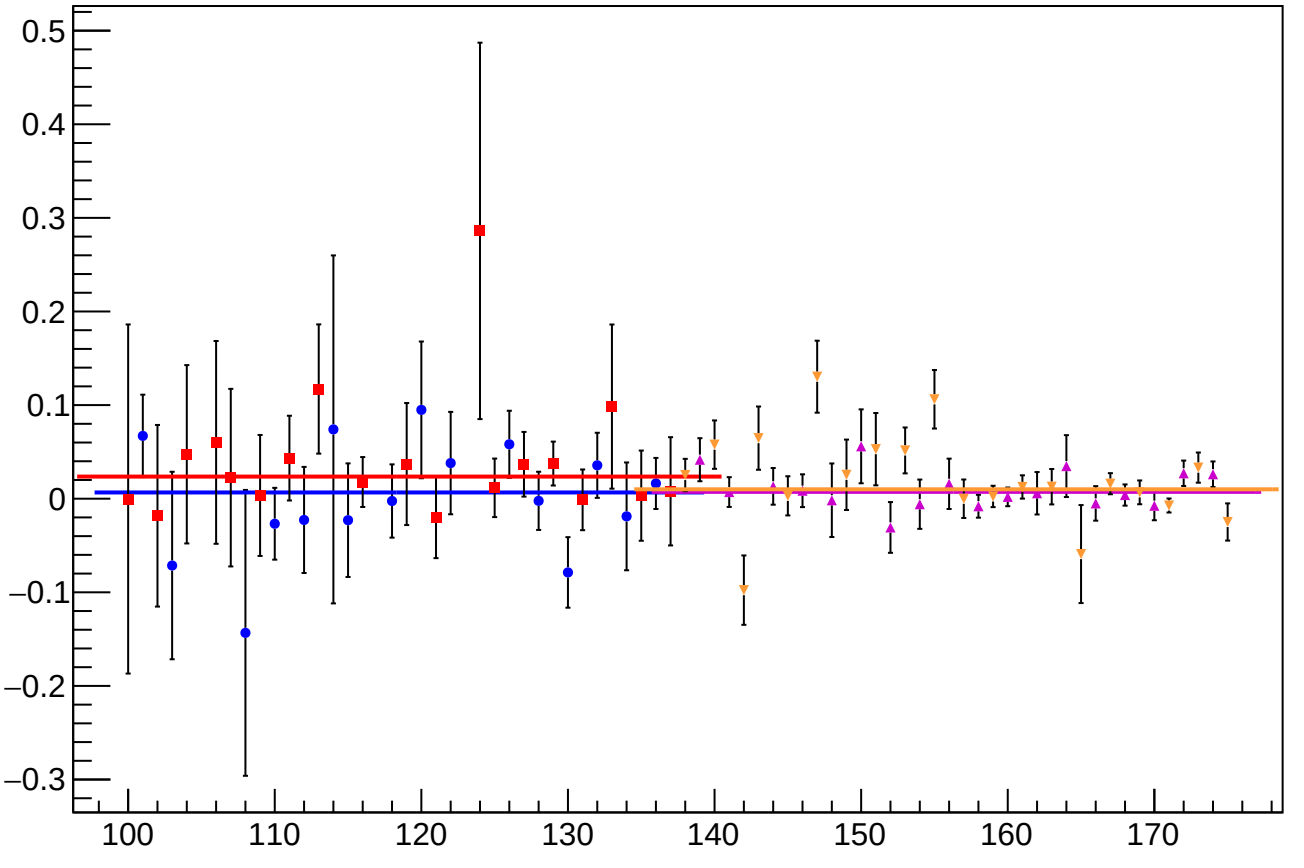
Left In: 0.000+/-0.000 χ^2/NDF:22.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 80.0/35

All: 0.000+/-0.000 χ^2/NDF: 123.5/72

- sign 0.000+/-0.000 χ^2/NDF: 43.2/36


asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
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: 6575652.3/15
Left Out: 0.000+/-0.000 χ²/NDF:12519790.0/19
Right Out: 0.001+/-0.000 χ²/NDF: 3662501.2/18
Left In: 0.000+/-0.000 χ²/NDF:9598492.6/17
+ sign 0.000+/-0.000 χ²/NDF: 20585546.9/35
All: 0.000+/-0.000 χ²/NDF: 37922372.3/72
- sign 0.000+/-0.000 χ²/NDF: 17155805.2/36



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:52.2/19

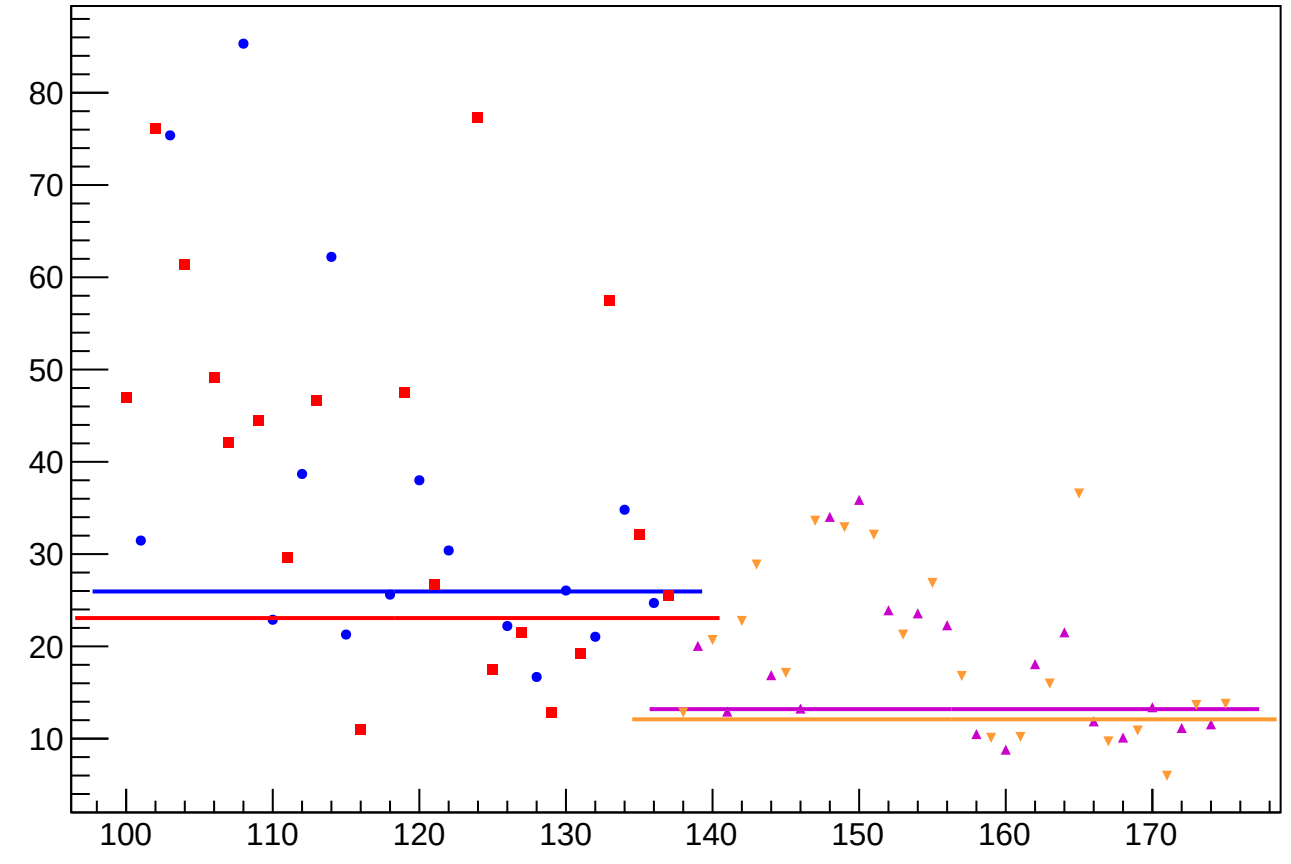
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.007+/-0.004 χ^2/NDF:14.3/17

+ sign 0.010+/-0.004 χ^2/NDF: 67.3/35

All: 0.010+/-0.003 χ^2/NDF: 91.2/72

- sign 0.009+/-0.004 χ^2/NDF: 23.9/36



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.094+/-0.003 χ^2/NDF:5713028.5/19

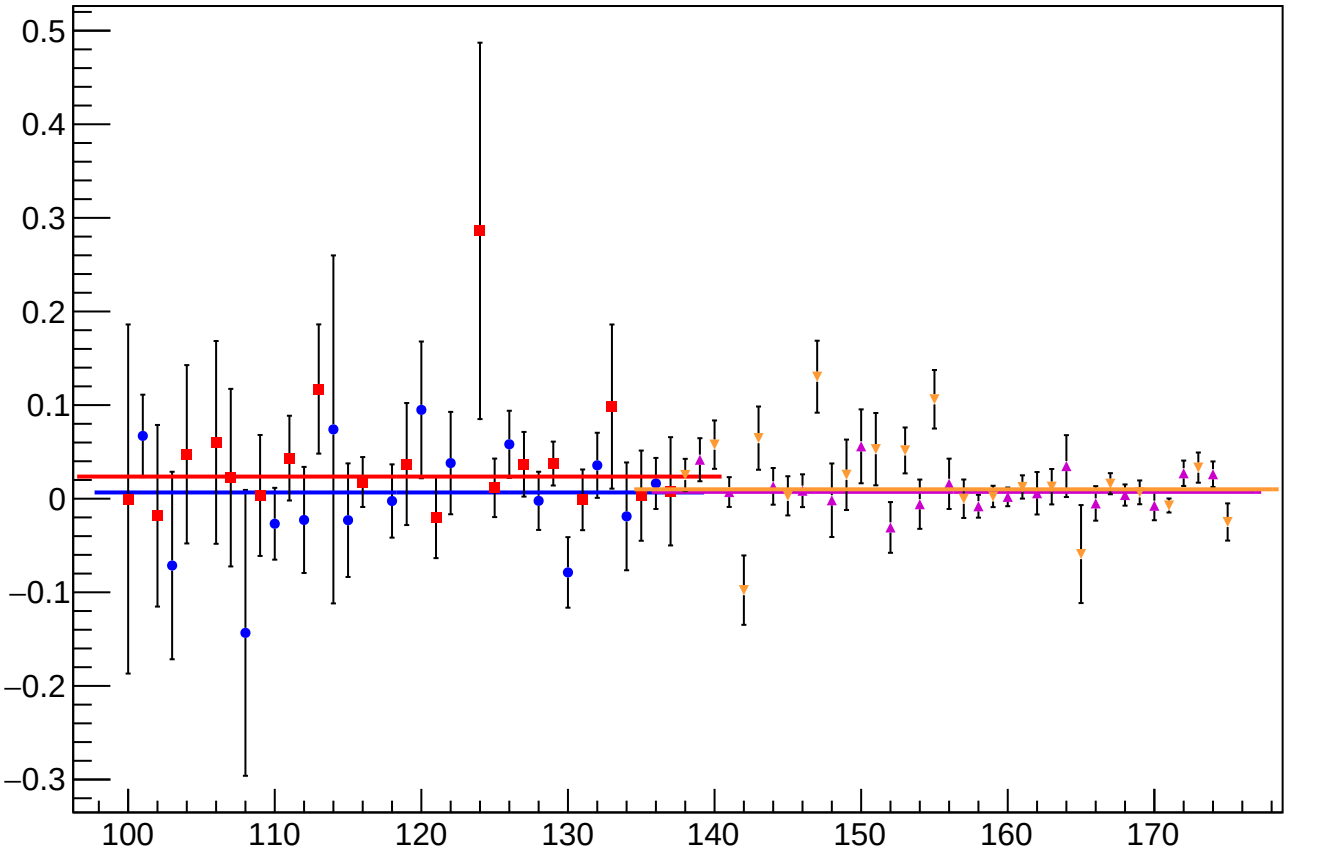
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.197+/-0.003 χ^2/NDF:3260822.8/17

+ sign 13.507+/-0.003 χ^2/NDF: 9893177.4/35

All: 13.952+/-0.002 χ^2/NDF: 18123650.7/72

- sign 14.448+/-0.003 χ^2/NDF: 8163835.4/36



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:52.2/19

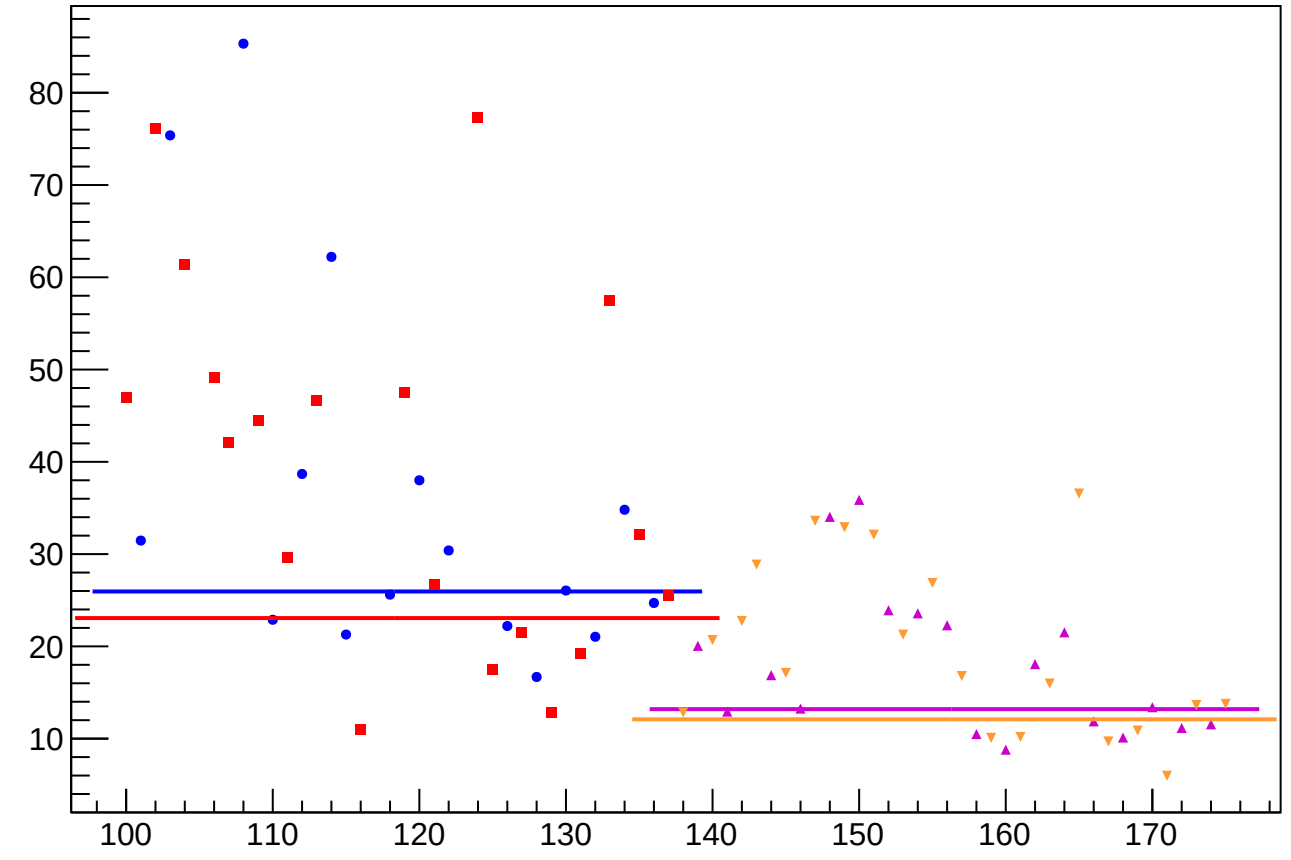
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.007+/-0.004 χ^2/NDF:14.3/17

+ sign 0.010+/-0.004 χ^2/NDF: 67.3/35

All: 0.010+/-0.003 χ^2/NDF: 91.2/72

- sign 0.009+/-0.004 χ^2/NDF: 23.9/36



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.094+/-0.003 χ^2/NDF:5713028.5/19

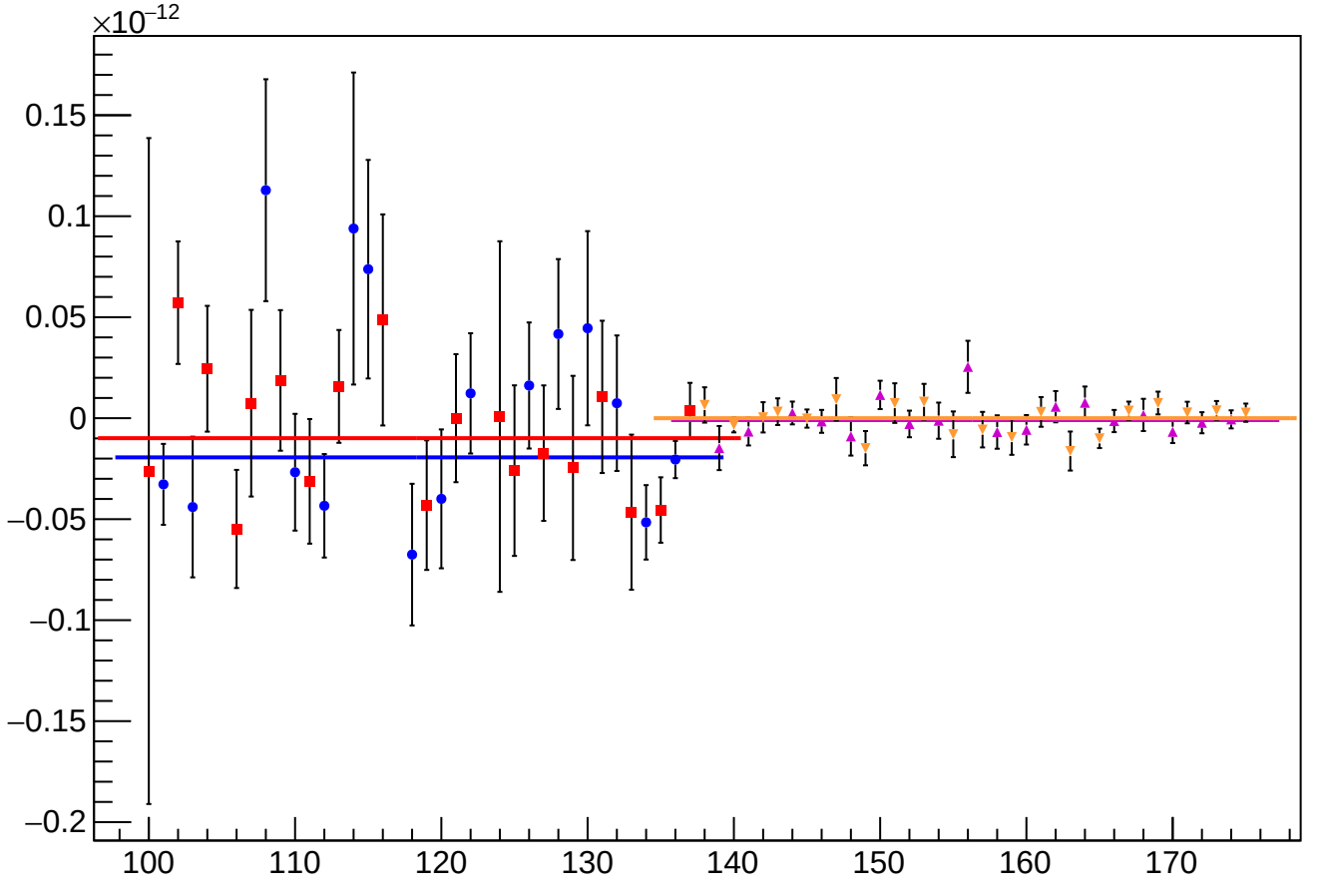
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.197+/-0.003 χ^2/NDF:3260822.8/17

+ sign 13.507+/-0.003 χ^2/NDF: 9893177.4/35

All: 13.952+/-0.002 χ^2/NDF: 18123650.7/72

- sign 14.448+/-0.003 χ^2/NDF: 8163835.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/19

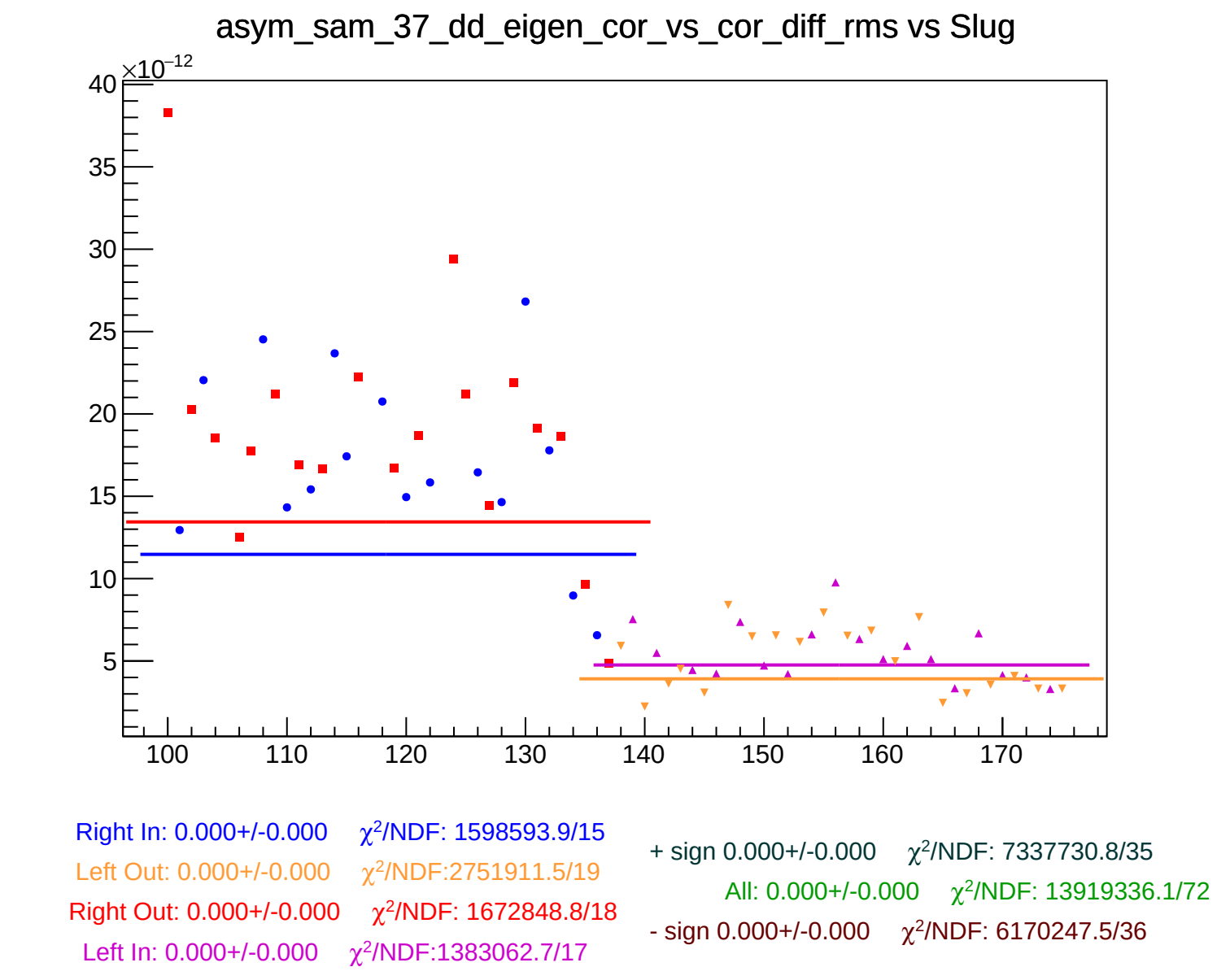
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.9/17

+ sign -0.000+/-0.000 χ^2/NDF: 55.5/35

All: -0.000+/-0.000 χ^2/NDF: 92.5/72

- sign -0.000+/-0.000 χ^2/NDF: 36.9/36


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
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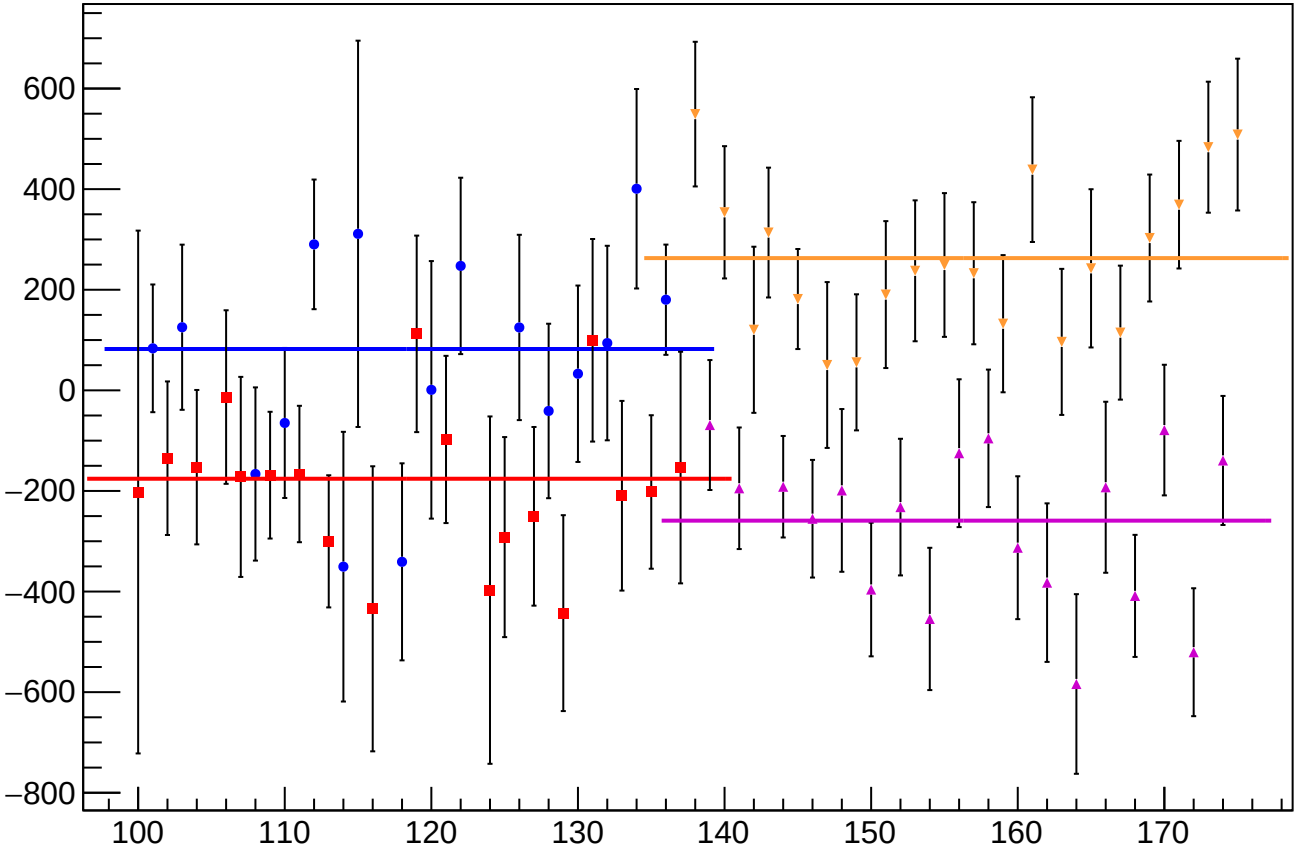
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2751911.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:1383062.7/17
+ sign 0.000+/-0.000 χ²/NDF: 7337730.8/35
All: 0.000+/-0.000 χ²/NDF: 13919336.1/72
- sign 0.000+/-0.000 χ²/NDF: 6170247.5/36

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 262.905+/-30.620 χ^2/NDF:21.7/19

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

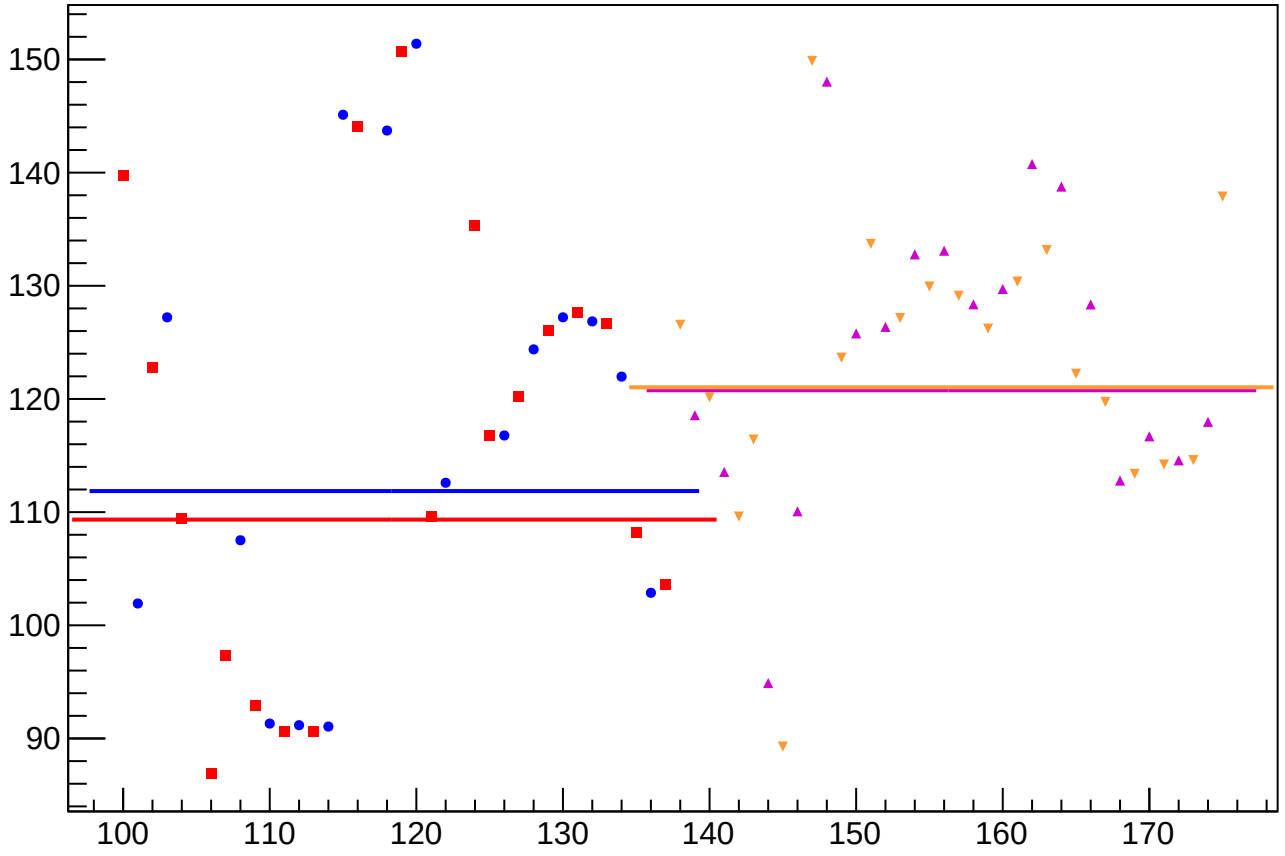
Left In: -259.041+/-31.555 χ^2/NDF:21.1/17

+ sign 200.449+/-24.770 χ^2/NDF: 52.1/35

All: -12.251+/-17.572 χ^2/NDF: 234.1/72

- sign -227.738+/-24.931 χ^2/NDF: 33.6/36

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.032+/-0.022 χ^2/NDF:382599.8/19

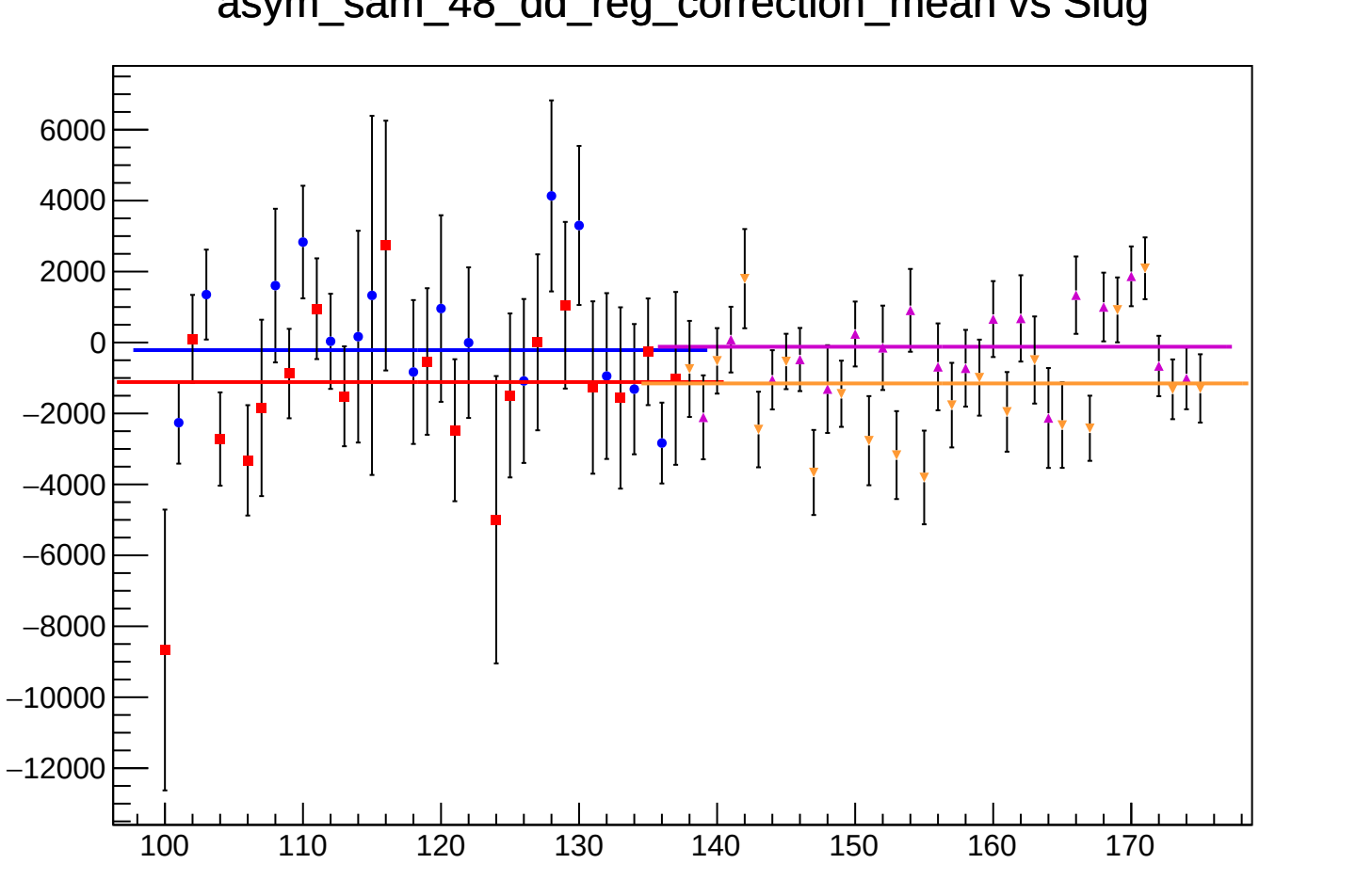
Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 120.770+/-0.022 χ^2/NDF:334380.5/17

+ sign 117.863+/-0.018 χ^2/NDF: 750623.4/35

All: 117.174+/-0.012 χ^2/NDF: 1553941.7/72

- sign 116.476+/-0.018 χ^2/NDF: 800201.1/36



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1153.770+/-233.383 χ^2/NDF:43.0/19

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

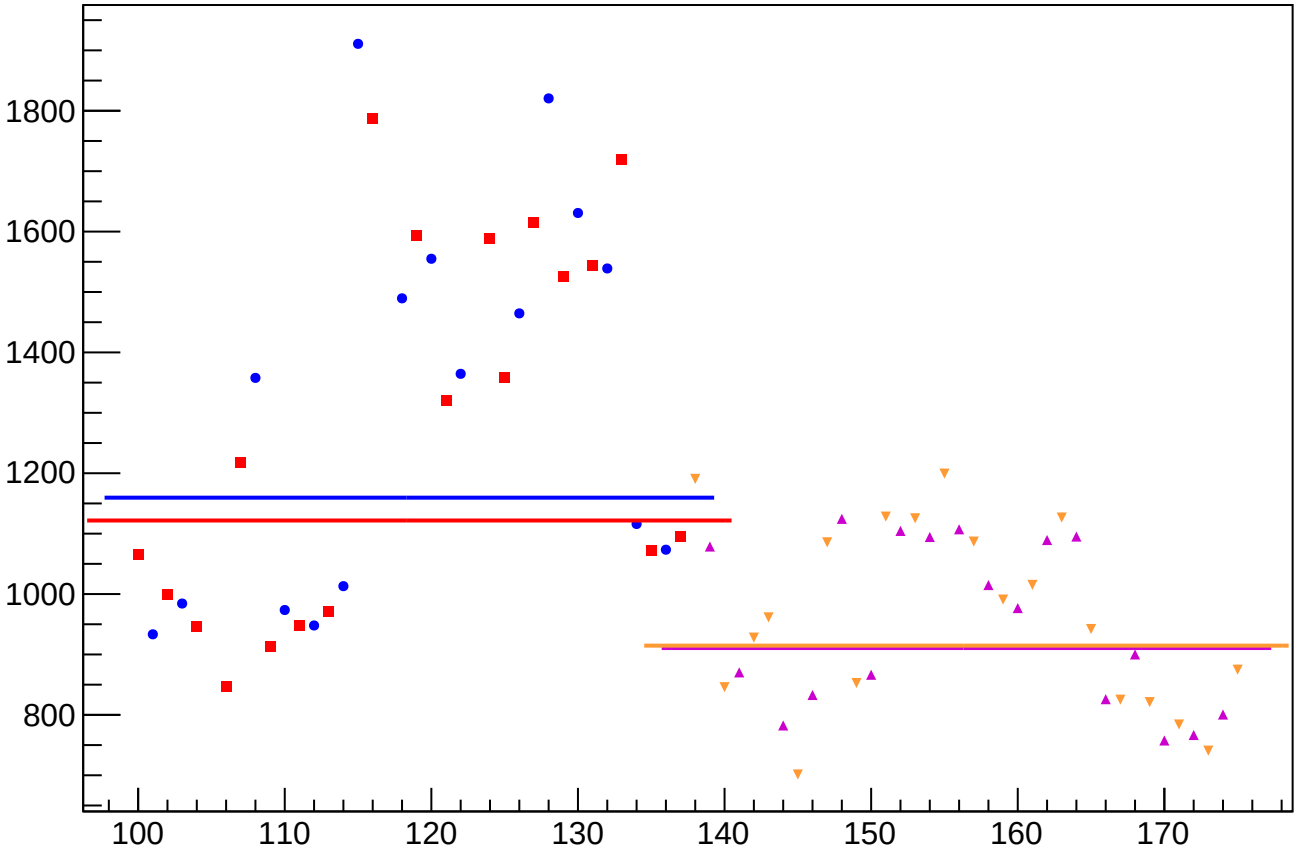
Left In: -119.456+/-239.365 χ^2/NDF:19.8/17

+ sign -950.340+/-206.579 χ^2/NDF: 66.9/35

All: -658.065+/-146.688 χ^2/NDF: 109.5/72

- sign -360.817+/-208.329 χ^2/NDF: 38.5/36

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 914.613+/-0.165 χ^2/NDF:807670.6/19

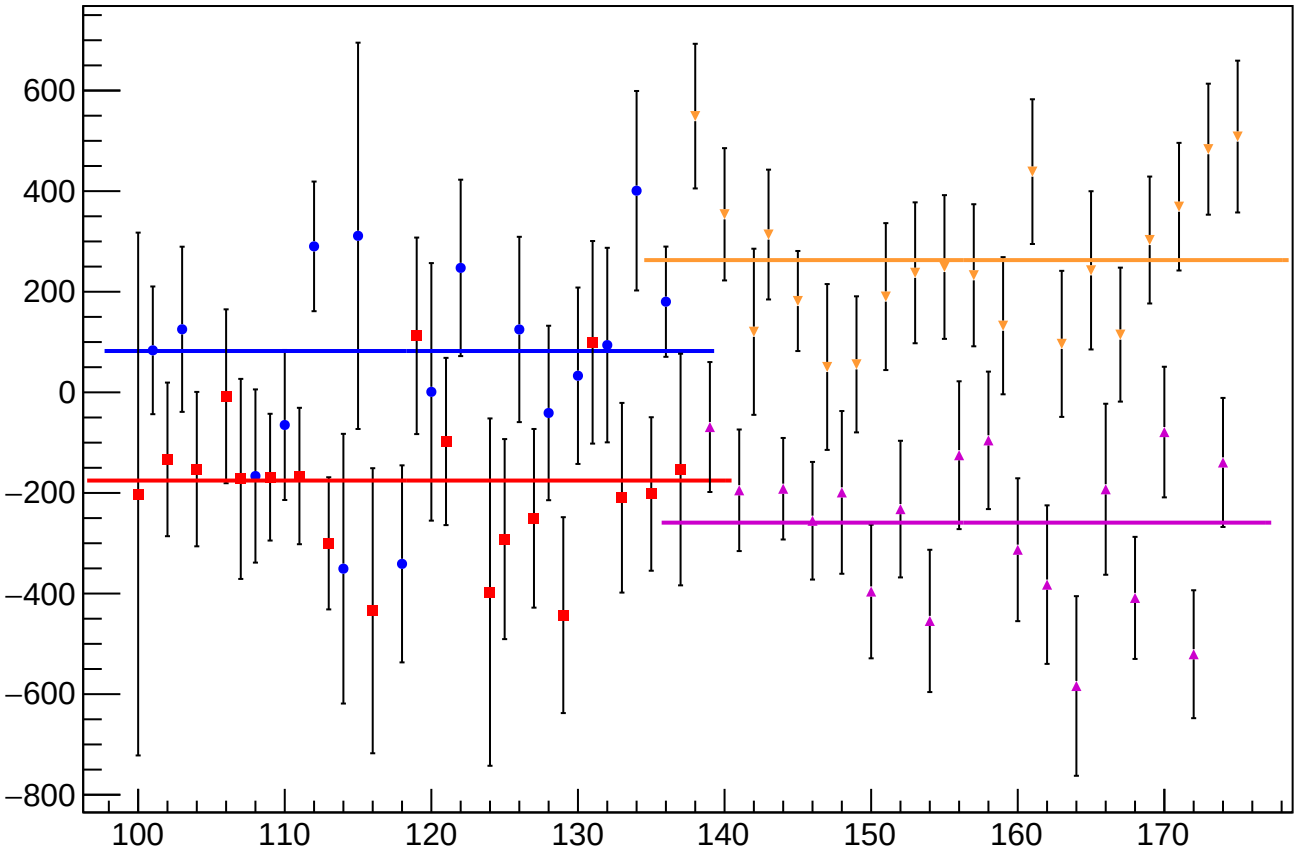
Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 910.626+/-0.169 χ^2/NDF:596434.7/17

+ sign 967.648+/-0.146 χ^2/NDF: 1968389.1/35

All: 964.762+/-0.104 χ^2/NDF: 3725219.8/72

- sign 961.827+/-0.147 χ^2/NDF: 1756043.3/36



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 262.907+/-30.620 χ^2/NDF:21.6/19

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

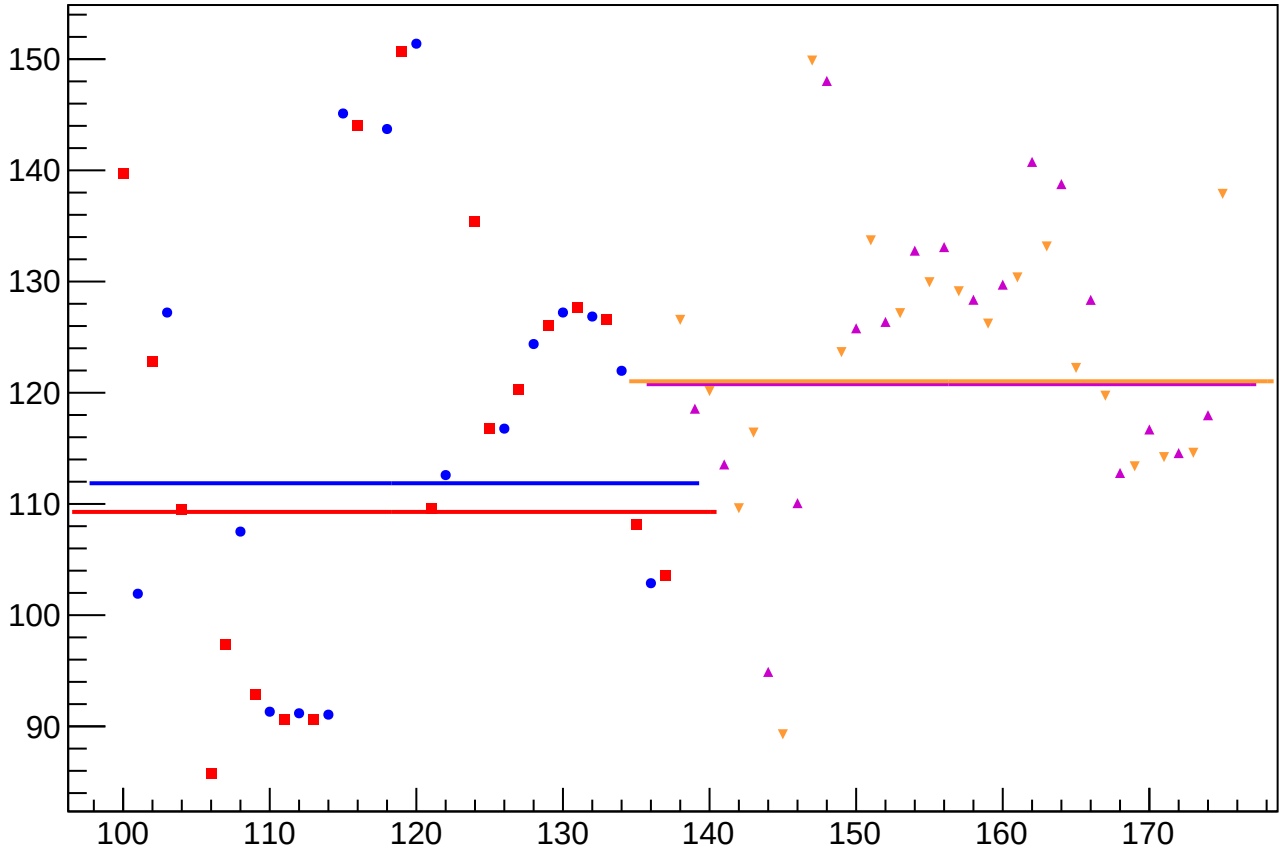
Left In: -259.042+/-31.555 χ^2/NDF:21.1/17

+ sign 200.446+/-24.770 χ^2/NDF: 52.1/35

All: -12.171+/-17.572 χ^2/NDF: 234.0/72

- sign -227.596+/-24.933 χ^2/NDF: 33.6/36

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.032+/-0.022 χ^2/NDF:382599.7/19

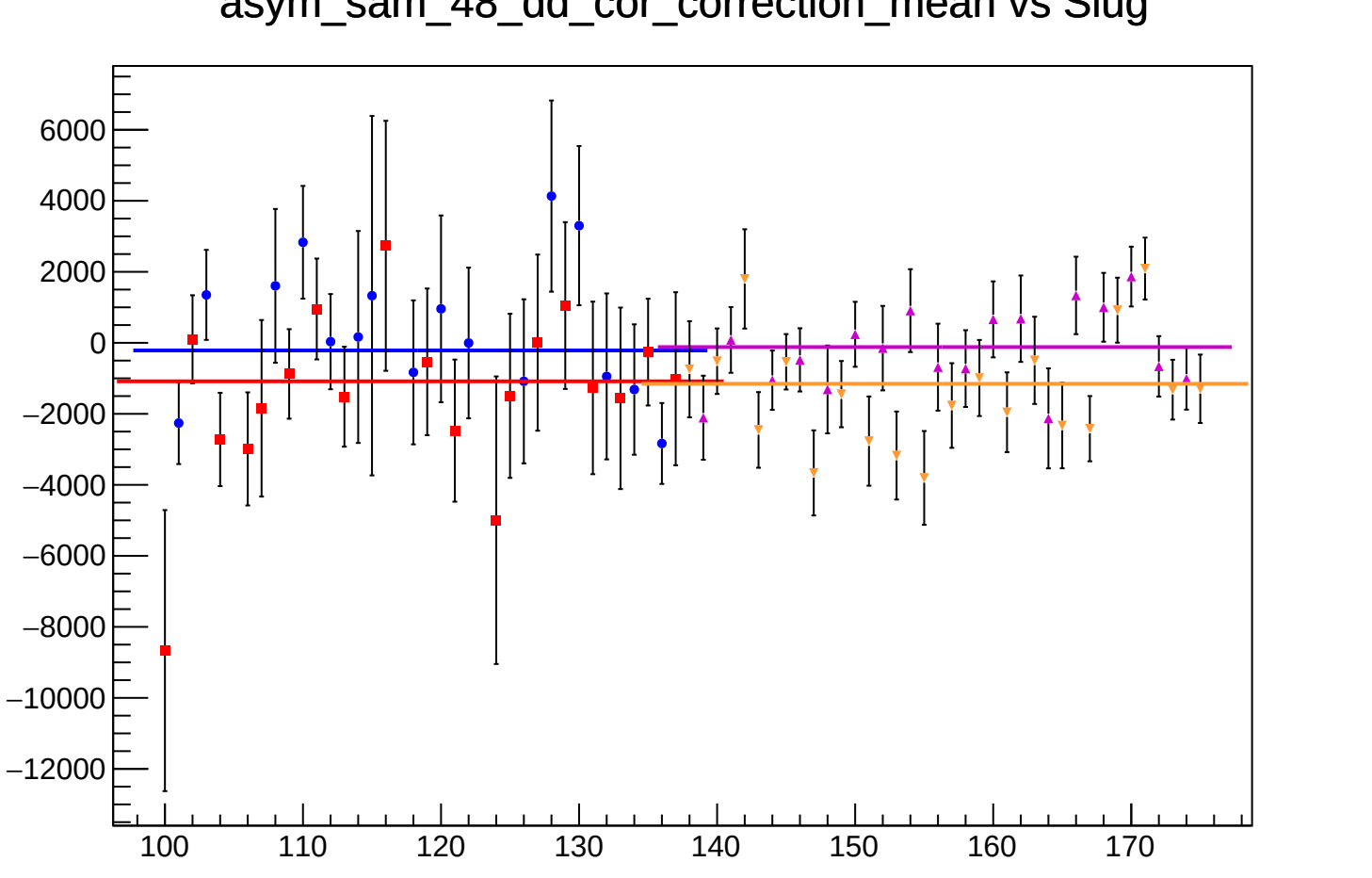
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 120.770+/-0.022 χ^2/NDF:334380.5/17

\+ sign 117.863+/-0.018 χ^2/NDF: 750624.2/35

All: 117.164+/-0.012 χ^2/NDF: 1558479.9/72

\- sign 116.455+/-0.018 χ^2/NDF: 804646.6/36



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1153.768+/-233.383 χ^2/NDF:43.0/19

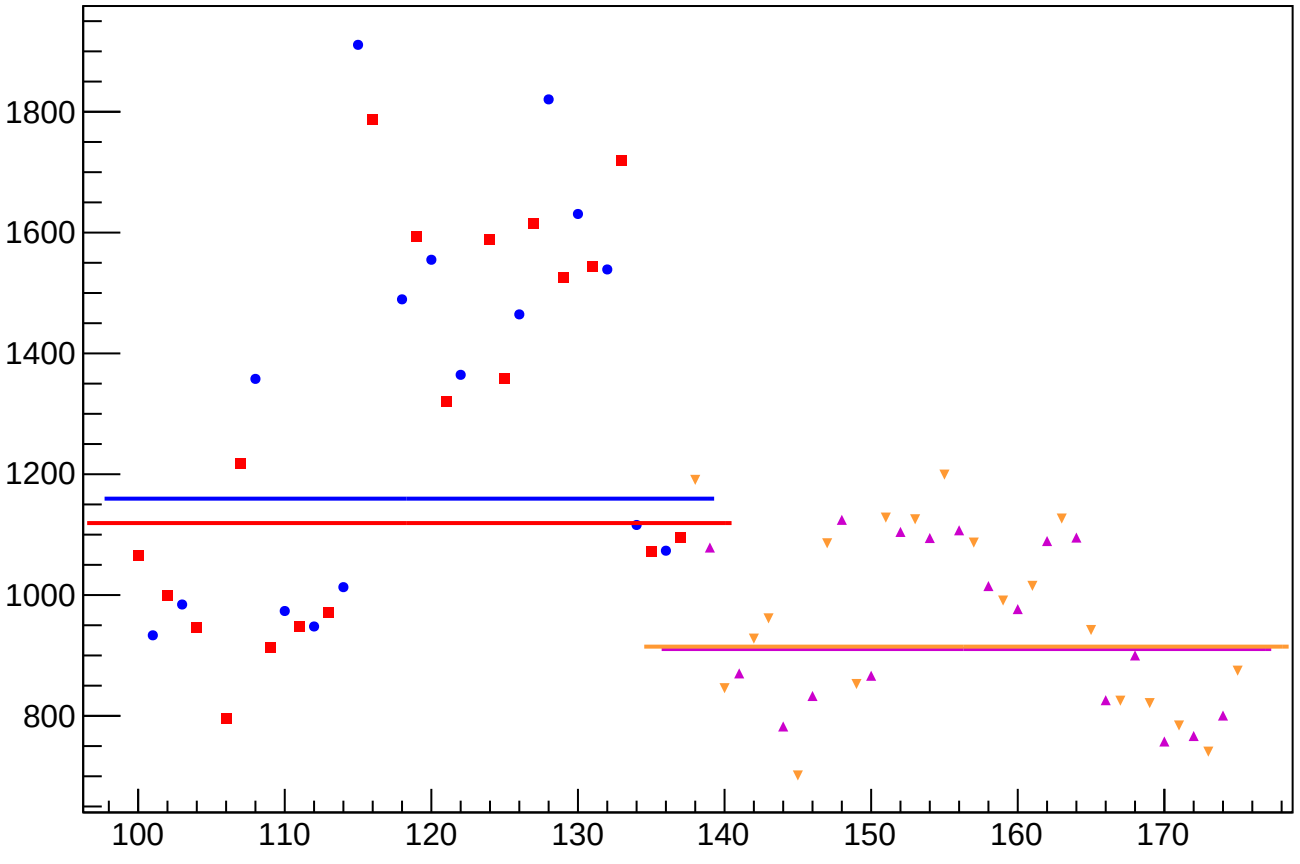
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -119.461+/-239.366 χ^2/NDF:19.8/17

+ sign -950.361+/-206.579 χ^2/NDF: 66.9/35

All: -654.200+/-146.719 χ^2/NDF: 108.7/72

- sign -352.747+/-208.416 χ^2/NDF: 37.6/36



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 914.613+/-0.165 χ^2/NDF:807670.4/19

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

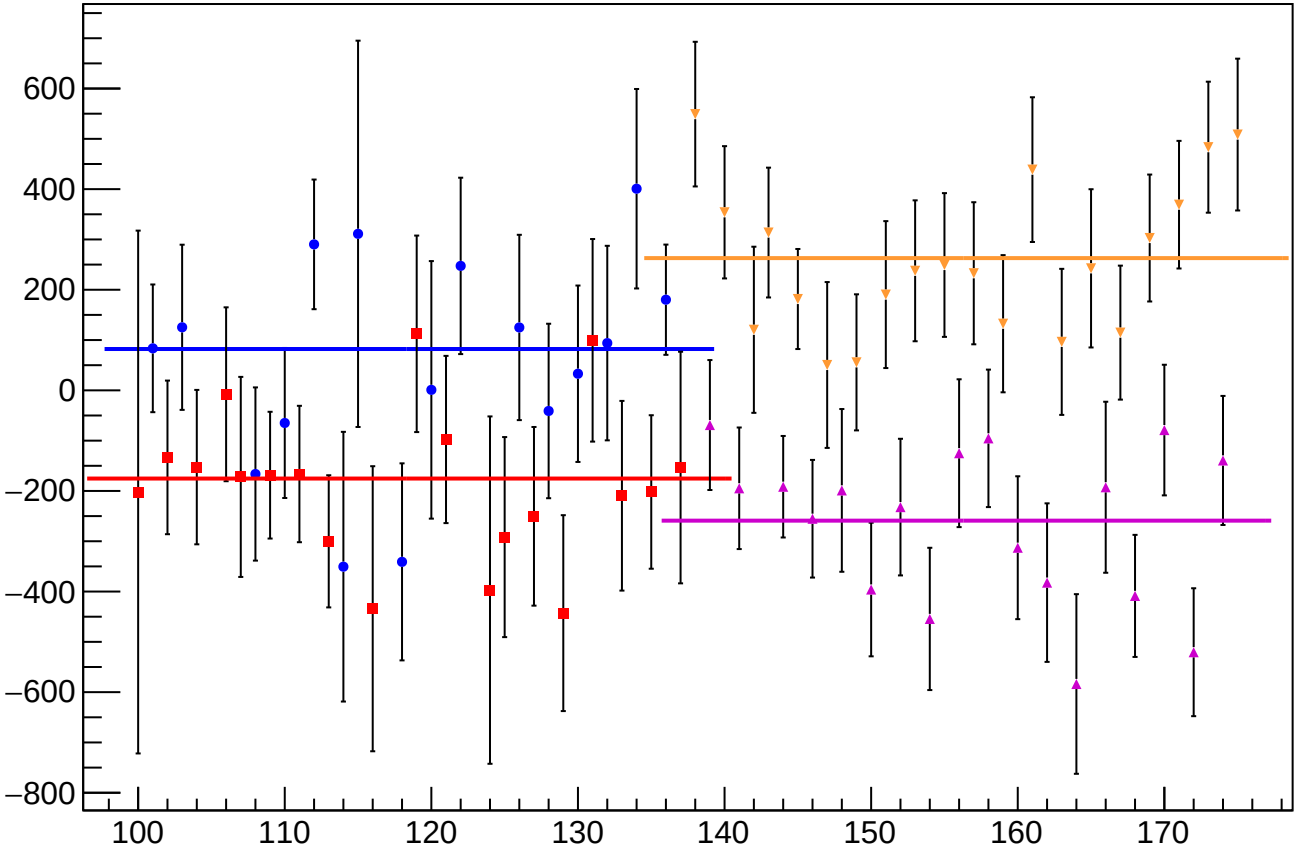
Left In: 910.626+/-0.169 χ^2/NDF:596435.3/17

+ sign 967.649+/-0.146 χ^2/NDF: 1968390.0/35

All: 964.386+/-0.104 χ^2/NDF: 3736131.5/72

- sign 961.064+/-0.147 χ^2/NDF: 1766734.3/36

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 262.907+/-30.620 χ^2/NDF:21.6/19

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

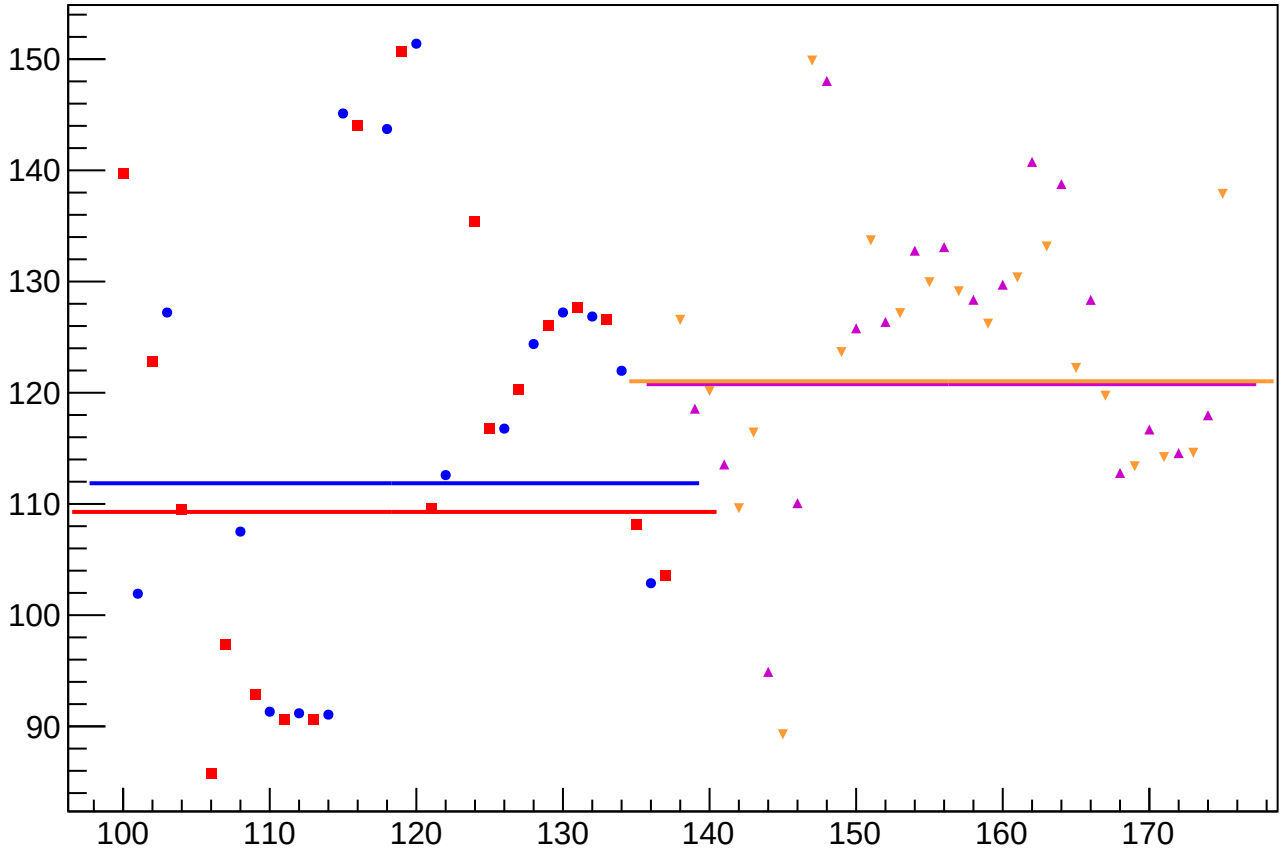
Left In: -259.042+/-31.555 χ^2/NDF:21.1/17

+ sign 200.446+/-24.770 χ^2/NDF: 52.1/35

All: -12.171+/-17.572 χ^2/NDF: 234.0/72

- sign -227.596+/-24.933 χ^2/NDF: 33.6/36

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.032+/-0.022 χ^2/NDF:382599.7/19

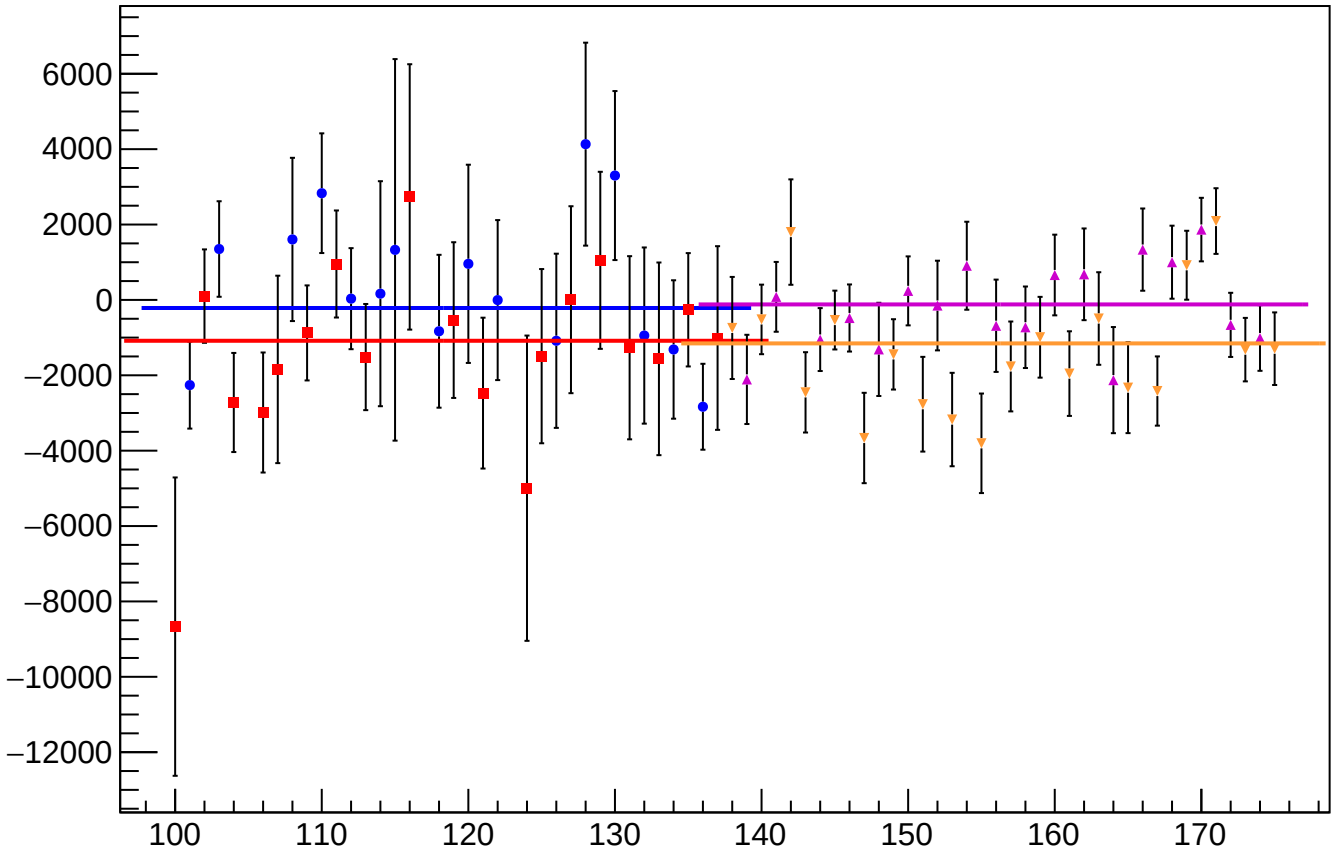
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 120.770+/-0.022 χ^2/NDF:334380.5/17

+ sign 117.863+/-0.018 χ^2/NDF: 750624.2/35

All: 117.164+/-0.012 χ^2/NDF: 1558479.9/72

- sign 116.455+/-0.018 χ^2/NDF: 804646.6/36



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1153.768+/-233.383 χ^2/NDF:43.0/19

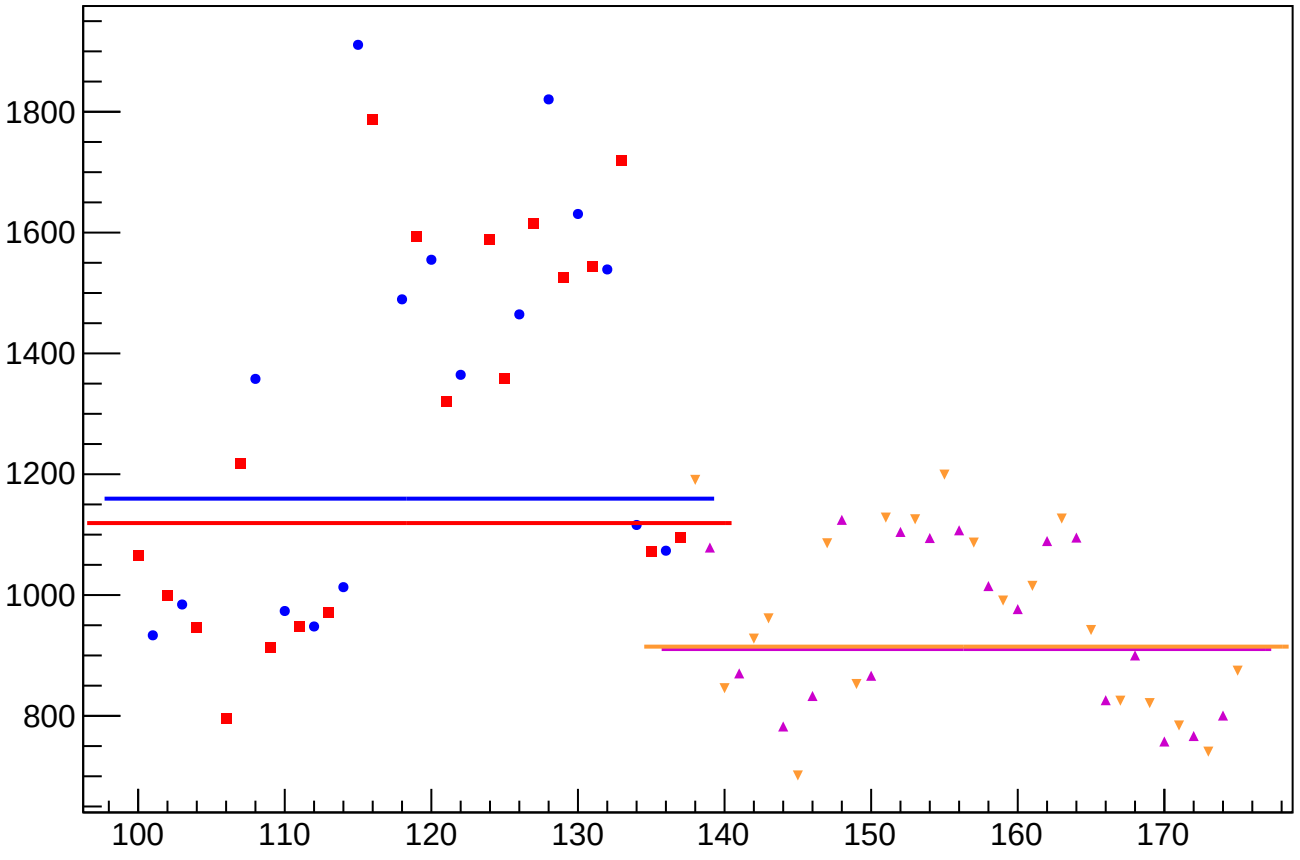
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -119.461+/-239.366 χ^2/NDF:19.8/17

+ sign -950.361+/-206.579 χ^2/NDF: 66.9/35

All: -654.200+/-146.719 χ^2/NDF: 108.7/72

- sign -352.747+/-208.416 χ^2/NDF: 37.6/36



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 914.613+/-0.165 χ^2/NDF:807670.4/19

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

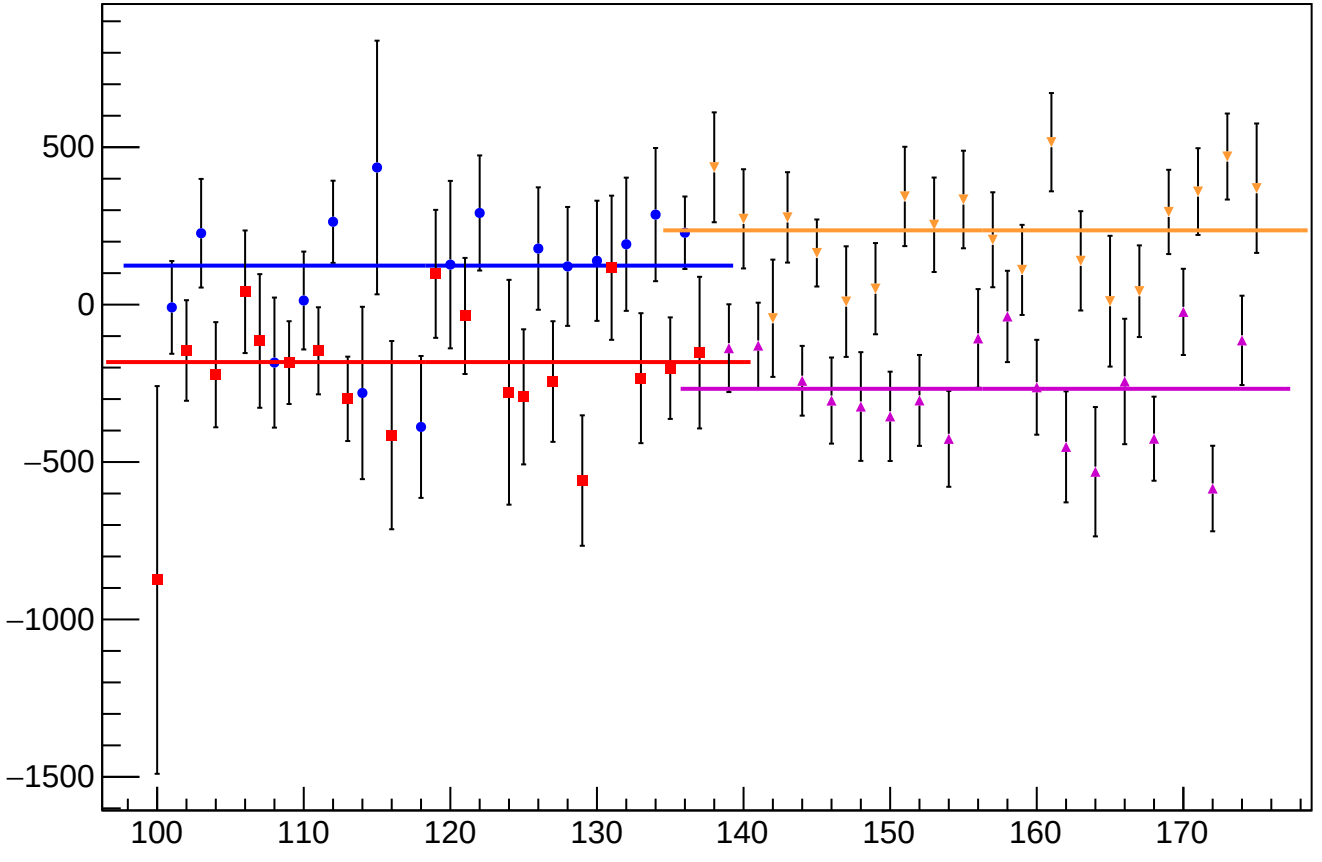
Left In: 910.626+/-0.169 χ^2/NDF:596435.3/17

+ sign 967.649+/-0.146 χ^2/NDF: 1968390.0/35

All: 964.386+/-0.104 χ^2/NDF: 3736131.5/72

- sign 961.064+/-0.147 χ^2/NDF: 1766734.3/36

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 235.913+/-33.802 χ^2/NDF:20.0/19

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

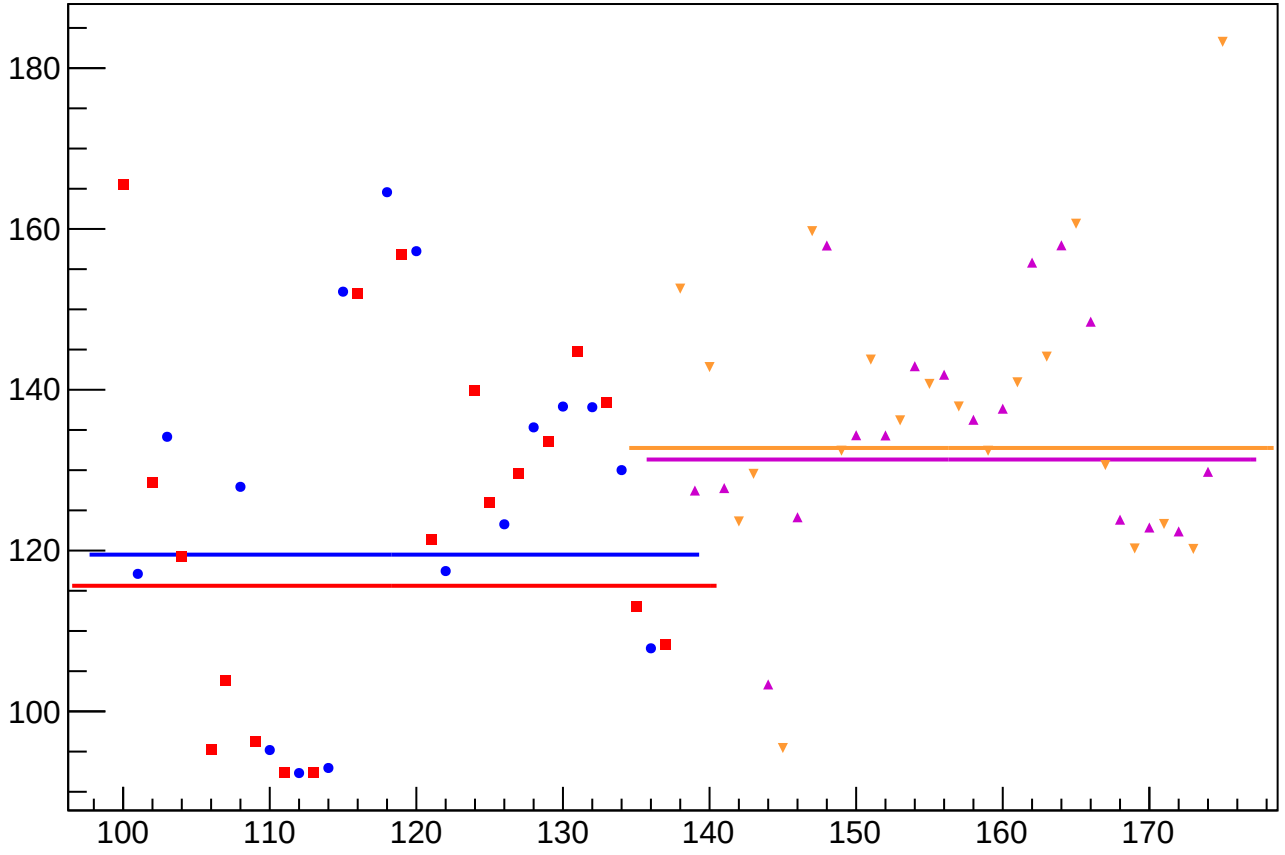
Left In: -267.408+/-34.478 χ^2/NDF:21.2/17

+ sign 195.777+/-27.078 χ^2/NDF: 39.4/35

All: -20.291+/-19.103 χ^2/NDF: 202.0/72

- sign -234.379+/-26.954 χ^2/NDF: 35.8/36

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 132.761+/-0.024 χ^2/NDF:567888.1/19

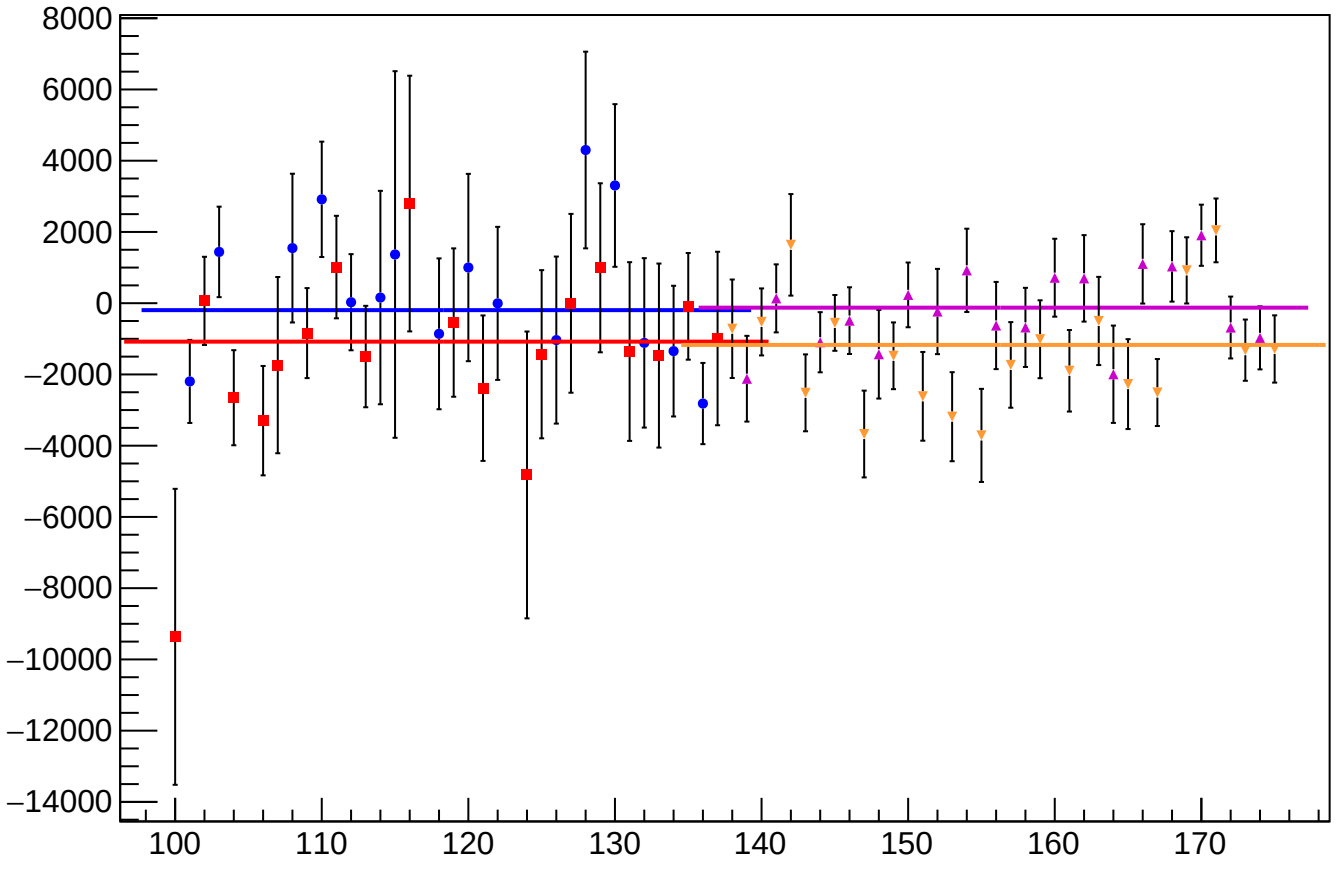
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 131.324+/-0.024 χ^2/NDF:321535.2/17

+ sign 128.008+/-0.019 χ^2/NDF: 1058519.7/35

All: 126.607+/-0.014 χ^2/NDF: 1978991.2/72

- sign 125.218+/-0.019 χ^2/NDF: 909809.0/36



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1171.469+/-236.333 χ^2/NDF:40.4/19

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

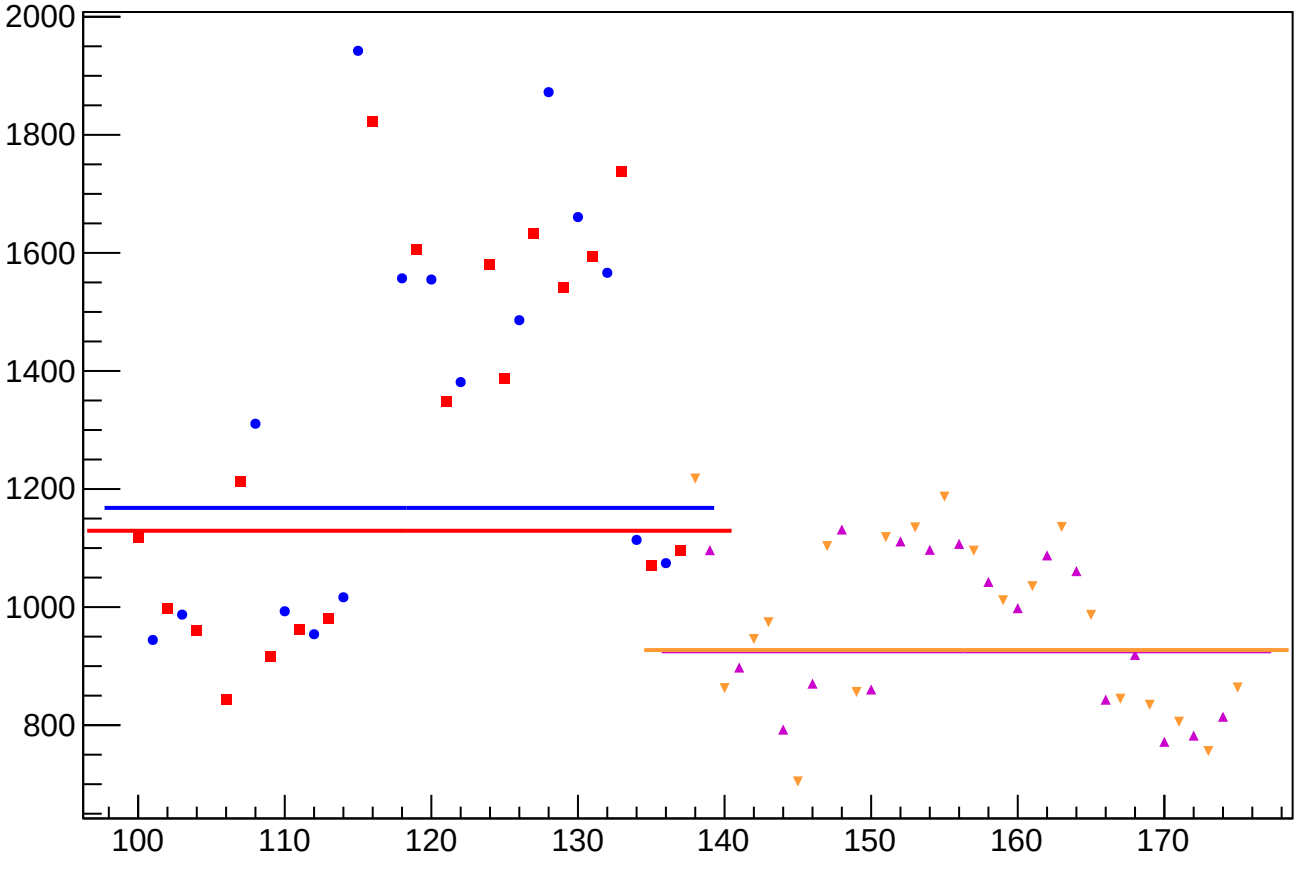
Left In: -125.512+/-243.009 χ^2/NDF:19.2/17

+ sign -958.413+/-208.963 χ^2/NDF: 64.5/35

All: -662.088+/-148.500 χ^2/NDF: 106.2/72

- sign -359.744+/-211.074 χ^2/NDF: 37.6/36

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 927.214+/-0.167 χ^2/NDF:788881.6/19

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

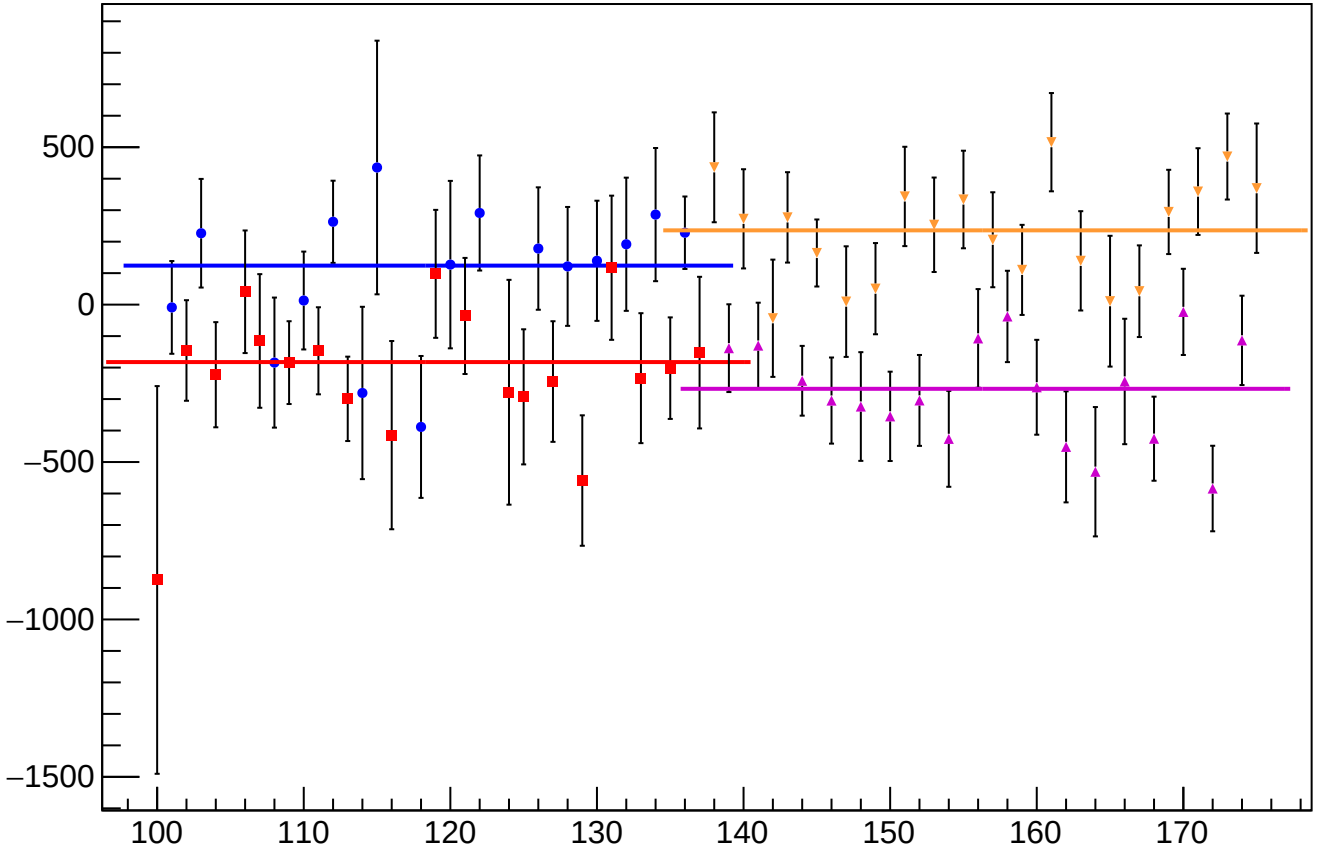
Left In: 925.110+/-0.172 χ^2/NDF:546437.5/17

+ sign 979.769+/-0.148 χ^2/NDF: 1951505.5/35

All: 977.535+/-0.105 χ^2/NDF: 3652426.0/72

- sign 975.255+/-0.149 χ^2/NDF: 1700458.4/36

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 235.915+/-33.802 χ^2/NDF:20.0/19

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

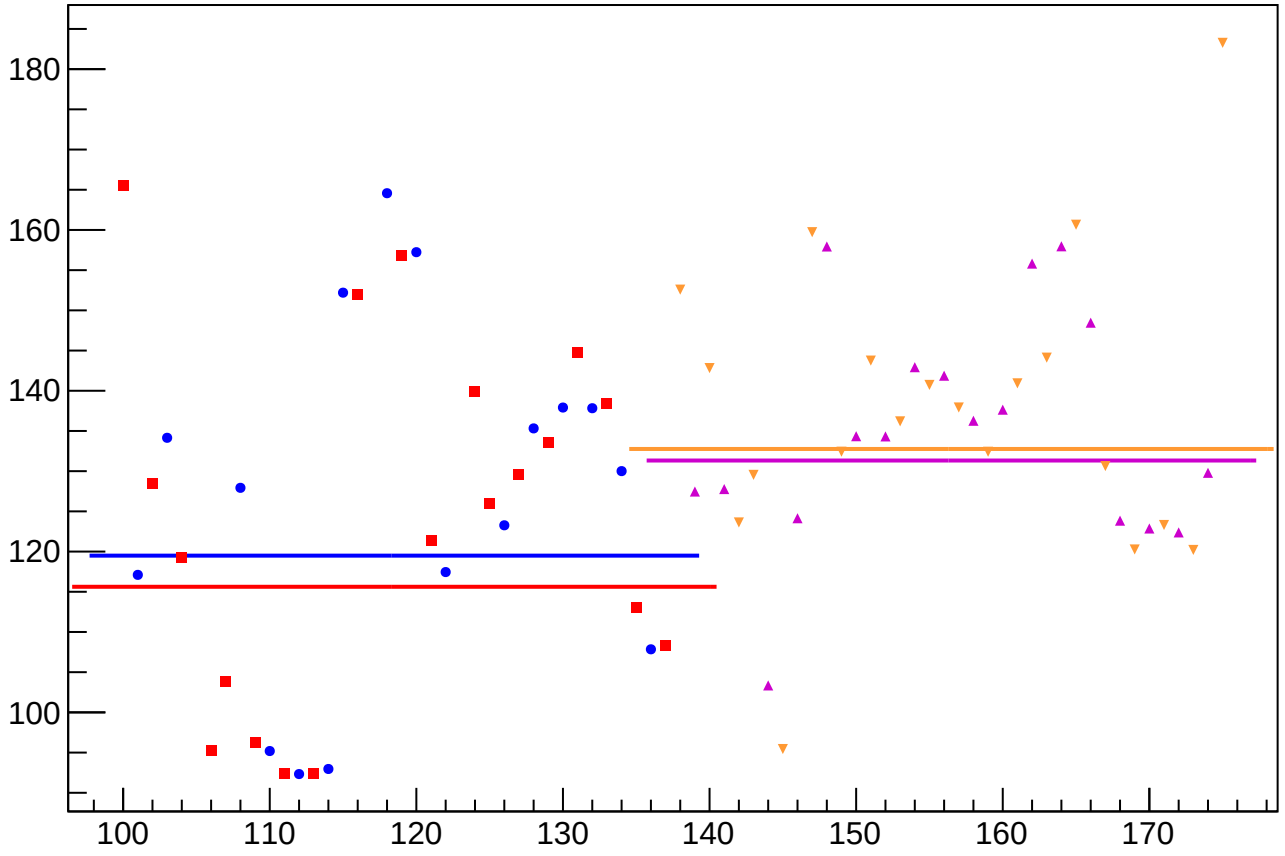
Left In: -267.409+/-34.478 χ^2/NDF:21.2/17

+ sign 195.780+/-27.078 χ^2/NDF: 39.4/35

All: -20.291+/-19.103 χ^2/NDF: 202.0/72

- sign -234.379+/-26.954 χ^2/NDF: 35.8/36

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 132.761+/-0.024 χ^2/NDF:567889.7/19

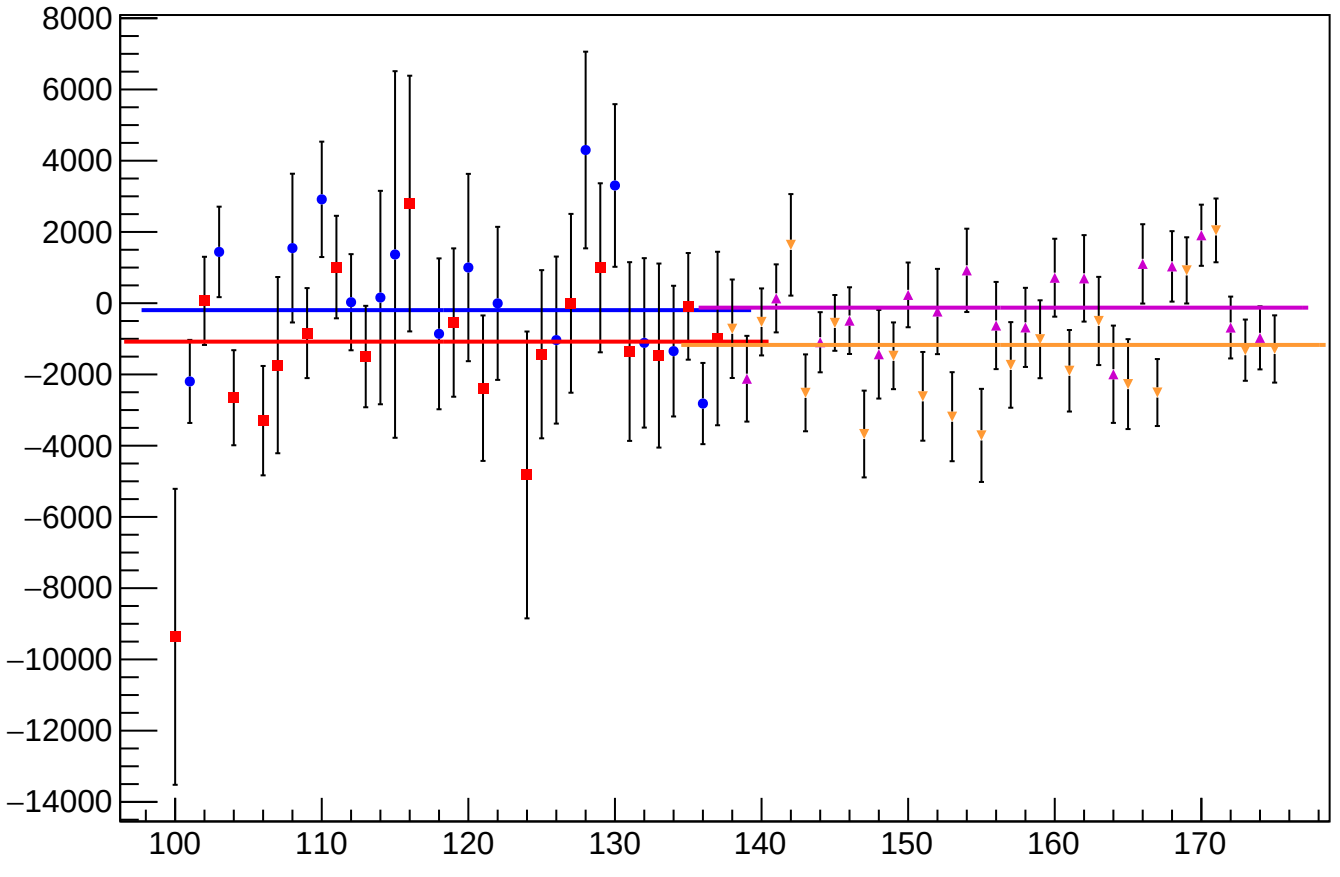
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 131.324+/-0.024 χ^2/NDF:321535.4/17

+ sign 128.008+/-0.019 χ^2/NDF: 1058525.0/35

All: 126.607+/-0.014 χ^2/NDF: 1979003.0/72

- sign 125.218+/-0.019 χ^2/NDF: 909815.3/36



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1171.467+/-236.332 χ^2/NDF:40.4/19

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

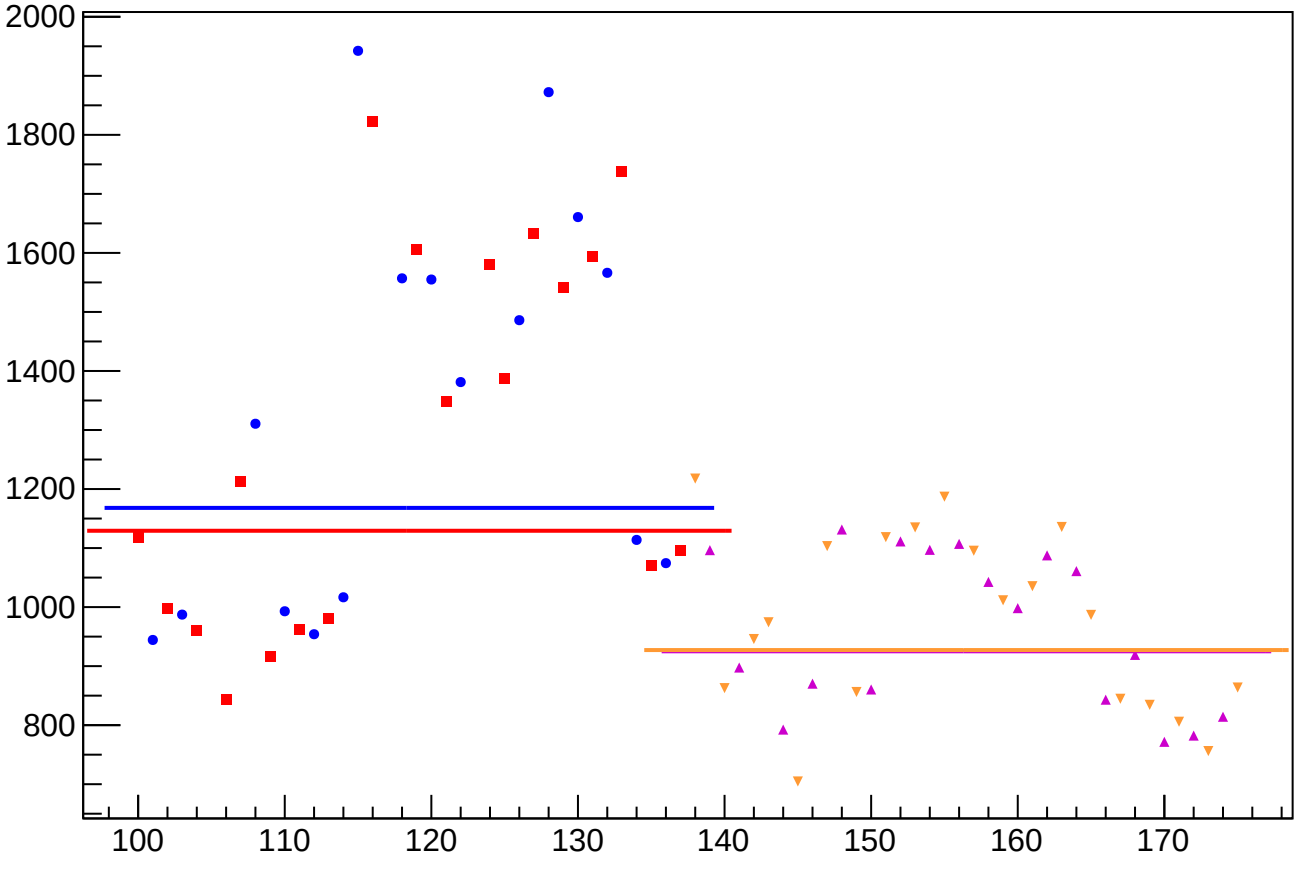
Left In: -125.511+/-243.008 χ^2/NDF:19.2/17

+ sign -958.411+/-208.963 χ^2/NDF: 64.5/35

All: -662.086+/-148.500 χ^2/NDF: 106.2/72

- sign -359.743+/-211.074 χ^2/NDF: 37.6/36

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 927.213+/-0.167 χ^2/NDF:788885.9/19

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

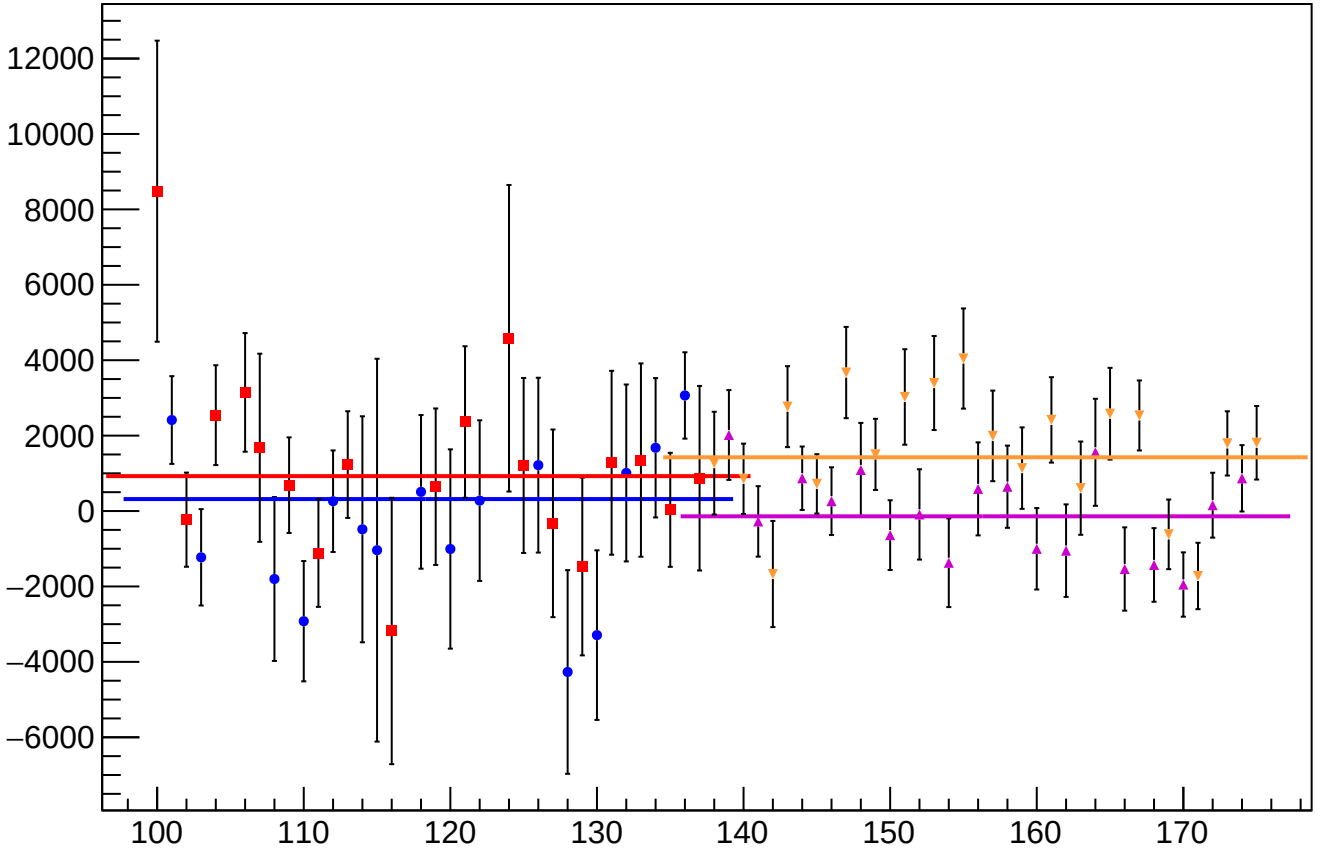
Left In: 925.110+/-0.172 χ^2/NDF:546438.4/17

+ sign 979.768+/-0.148 χ^2/NDF: 1951514.8/35

All: 977.534+/-0.105 χ^2/NDF: 3652439.3/72

- sign 975.254+/-0.149 χ^2/NDF: 1700462.5/36

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1425.441+/-235.523 χ^2/NDF:40.9/19

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

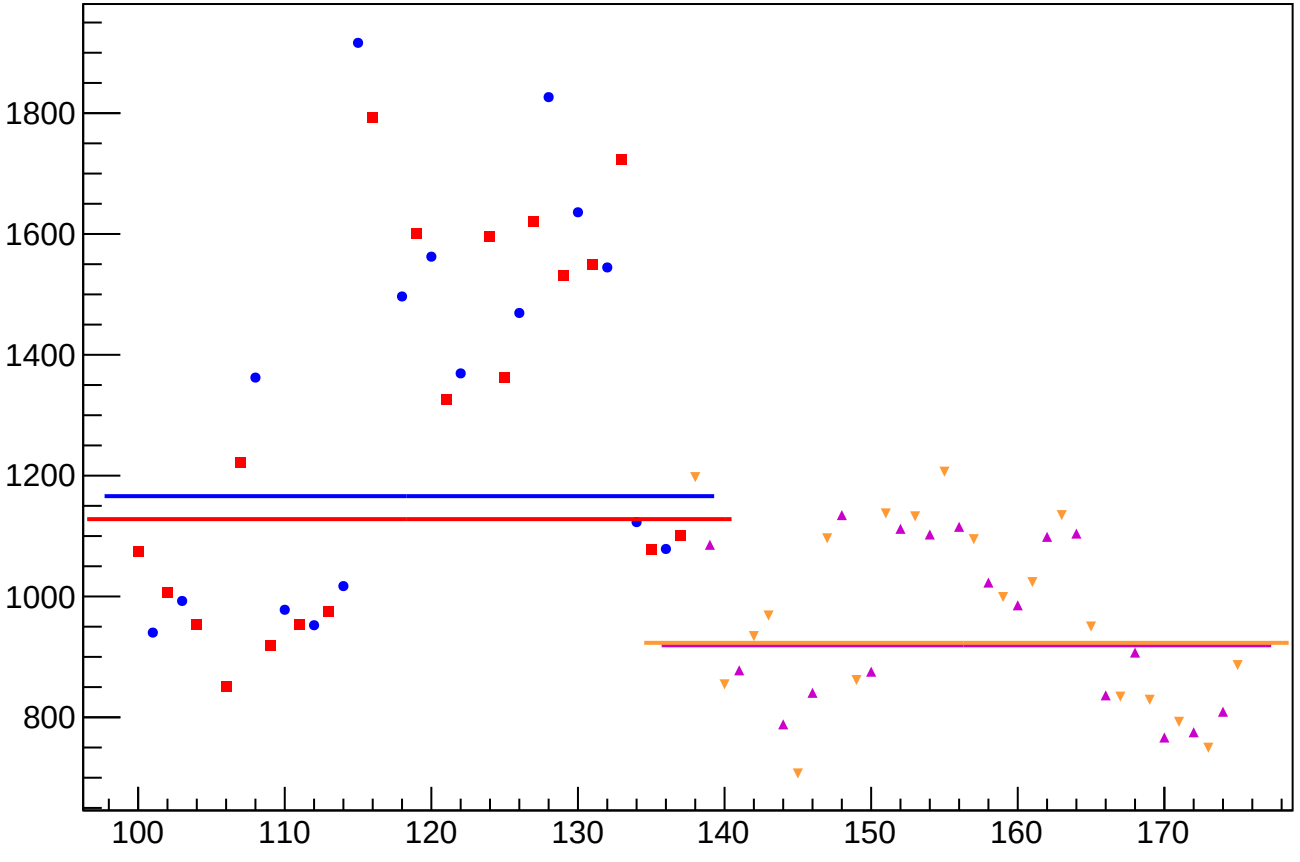
Left In: -140.027+/-241.554 χ^2/NDF:20.1/17

+ sign 1184.105+/-208.301 χ^2/NDF: 67.9/35

All: 656.455+/-147.907 χ^2/NDF: 120.2/72

- sign 119.892+/-210.053 χ^2/NDF: 39.3/36

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 923.256+/-0.167 χ^2/NDF:795520.5/19

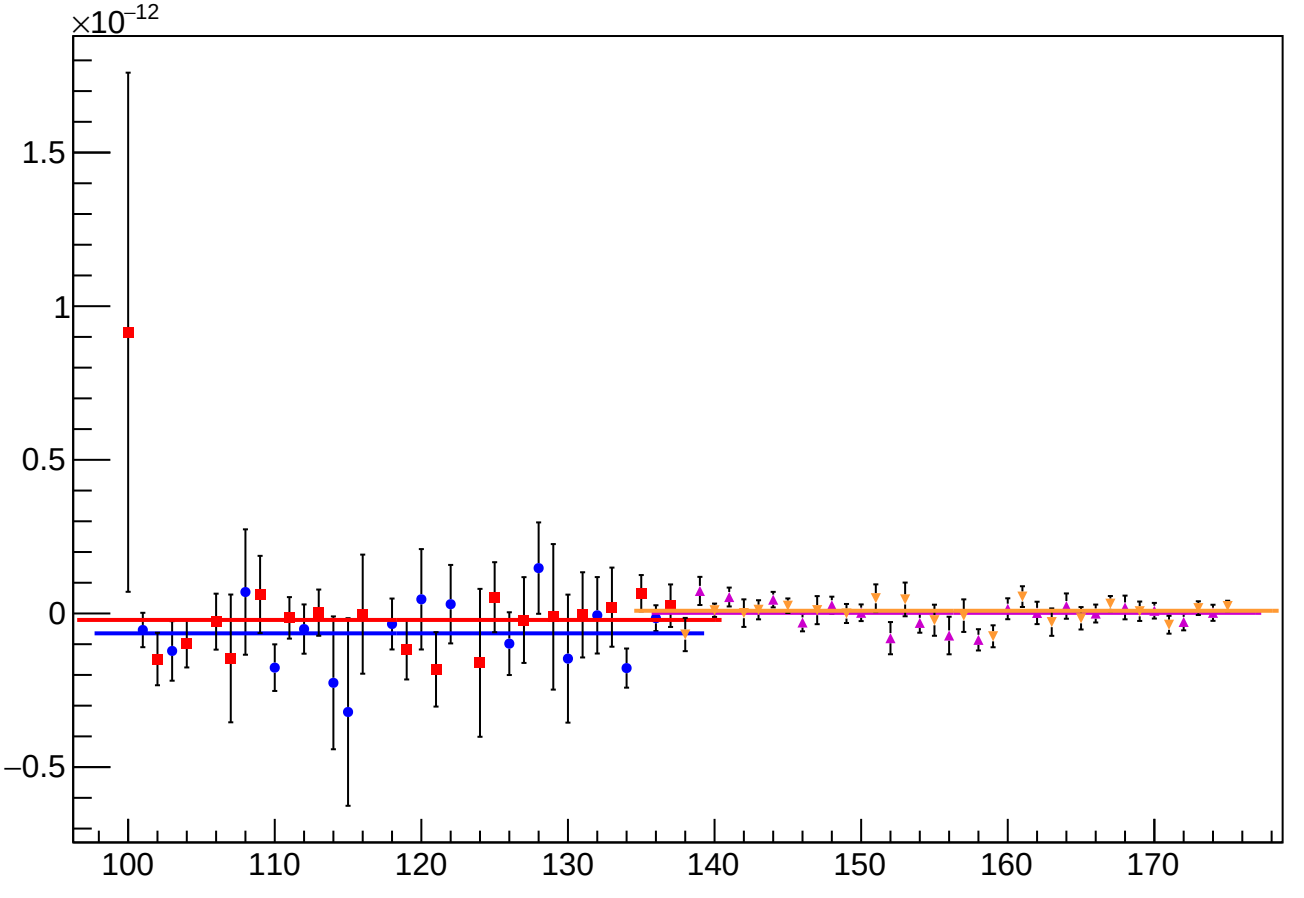
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 919.152+/-0.171 χ^2/NDF:587134.0/17

+ sign 976.137+/-0.147 χ^2/NDF: 1935514.6/35

All: 973.131+/-0.105 χ^2/NDF: 3663793.8/72

- sign 970.073+/-0.149 χ^2/NDF: 1727438.8/36



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

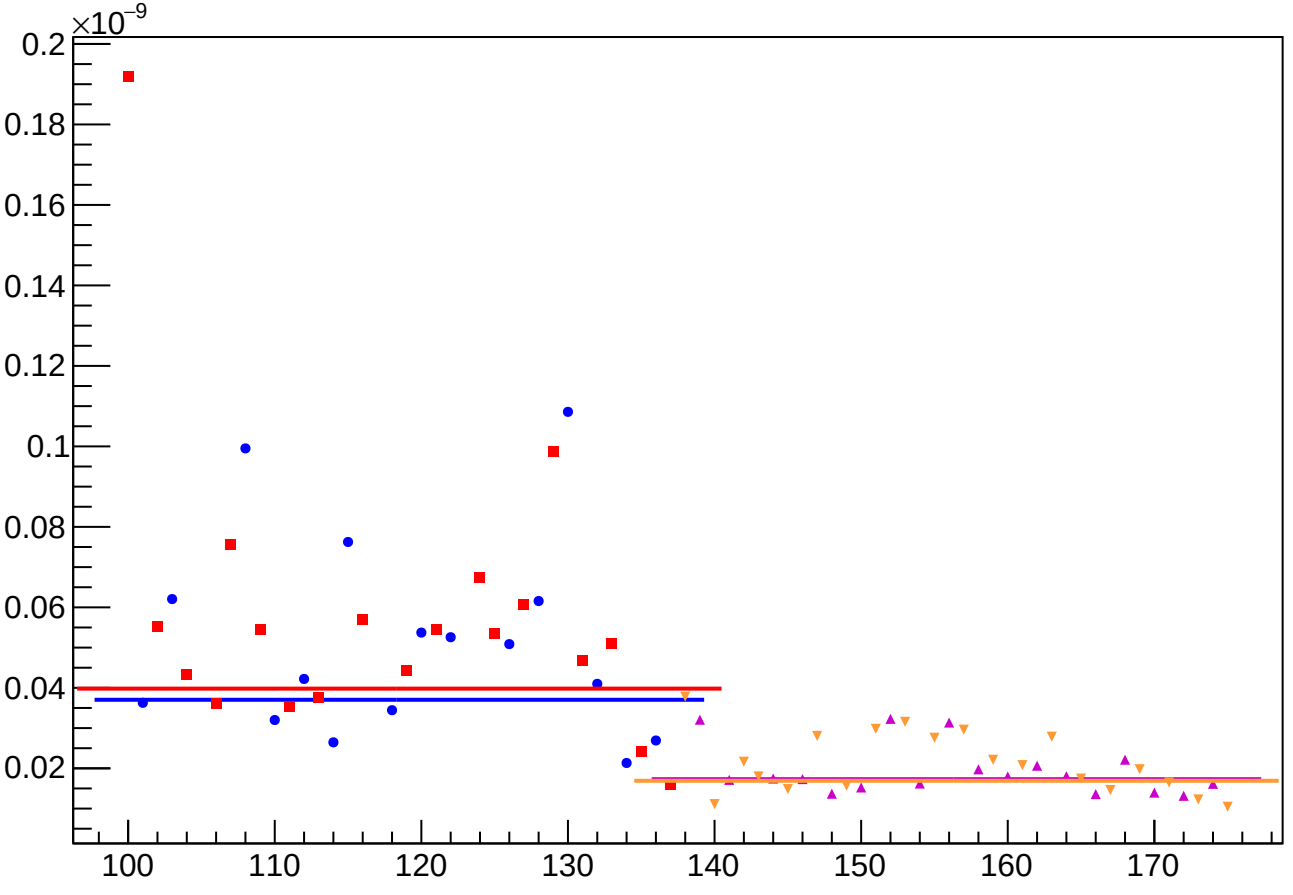
Left In: 0.000+/-0.000 χ^2/NDF:23.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 39.8/35

All: 0.000+/-0.000 χ^2/NDF: 75.6/72

- sign -0.000+/-0.000 χ^2/NDF: 35.8/36

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1700378.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

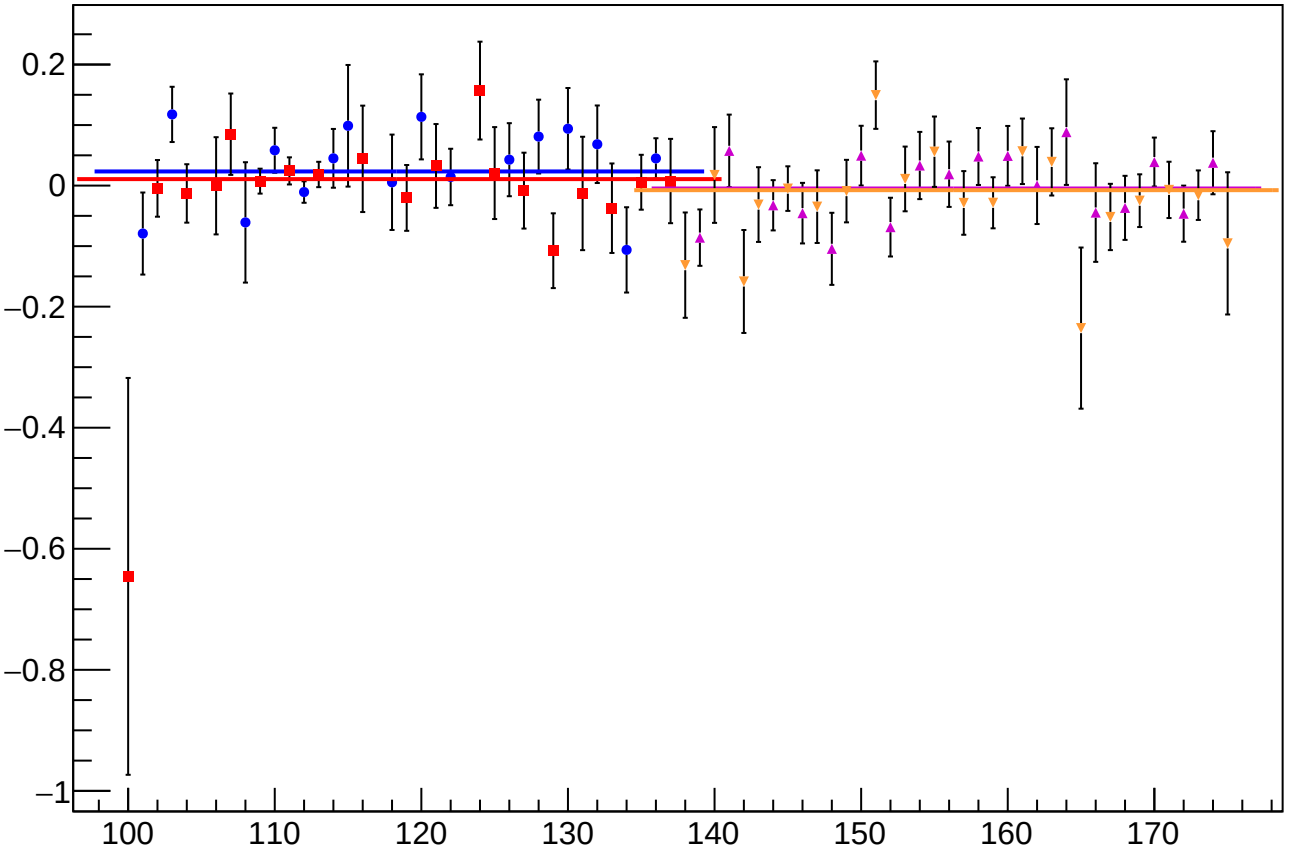
Left In: 0.000+/-0.000 χ^2/NDF:700051.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 4240278.3/35

All: 0.000+/-0.000 χ^2/NDF: 7568787.0/72

- sign 0.000+/-0.000 χ^2/NDF: 3317639.1/36

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/19

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

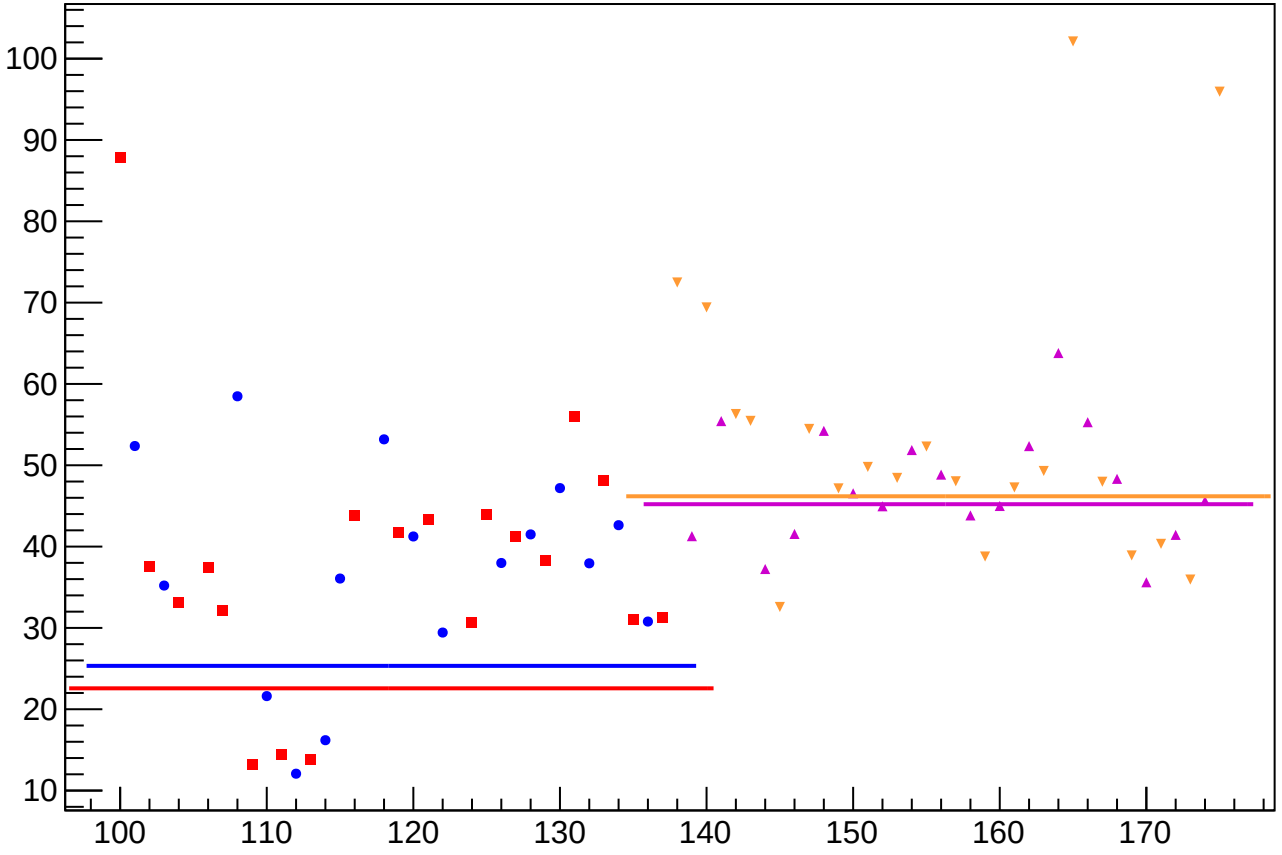
Left In: -0.005+/-0.012 χ^2/NDF:18.5/17

+ sign 0.009+/-0.008 χ^2/NDF: 46.0/35

All: 0.007+/-0.006 χ^2/NDF: 79.9/72

- sign 0.005+/-0.008 χ^2/NDF: 33.7/36

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 46.187+/-0.009 χ^2/NDF:1772016.5/19

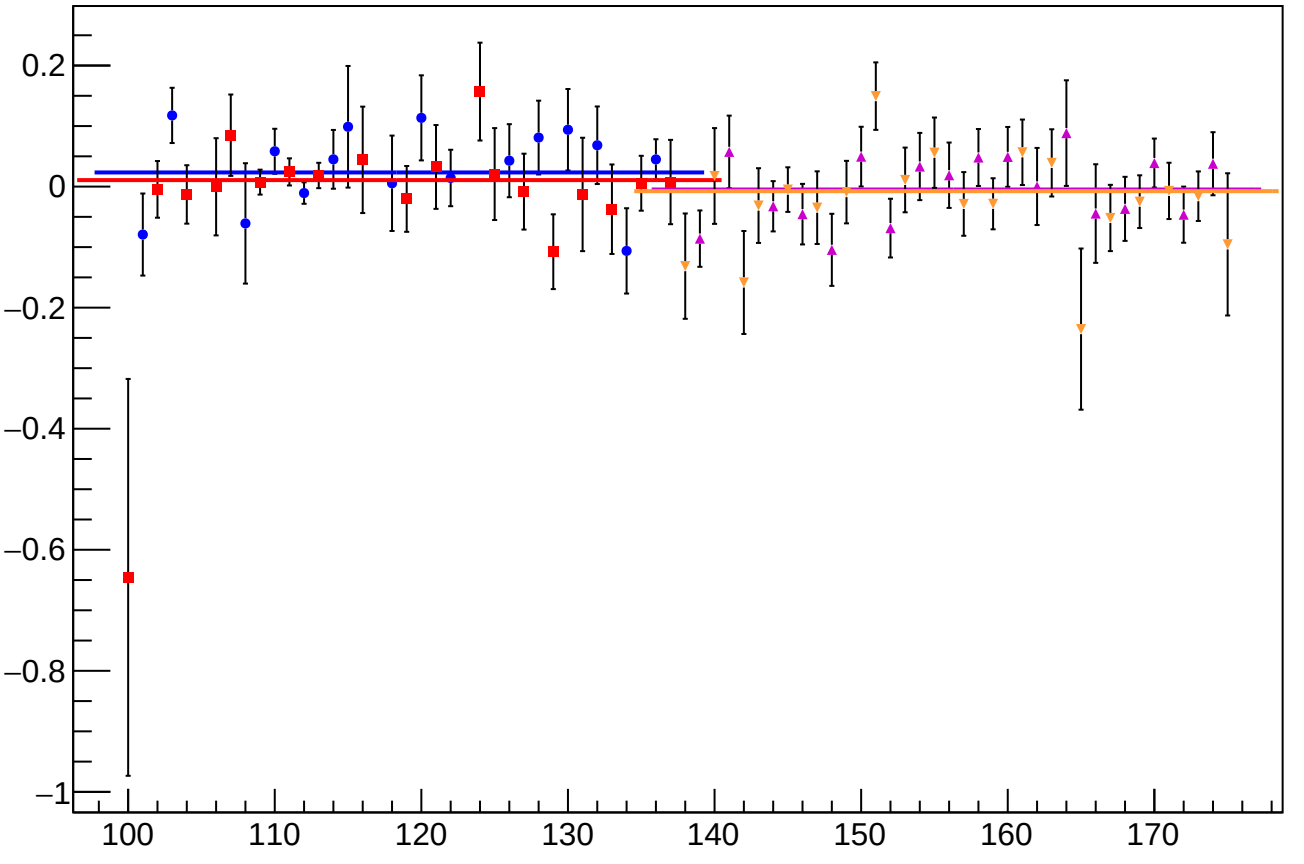
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.213+/-0.009 χ^2/NDF:523558.6/17

+ sign 34.726+/-0.006 χ^2/NDF: 7894130.1/35

All: 32.964+/-0.004 χ^2/NDF: 15907099.9/72

- sign 31.435+/-0.005 χ^2/NDF: 7840814.6/36



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/19

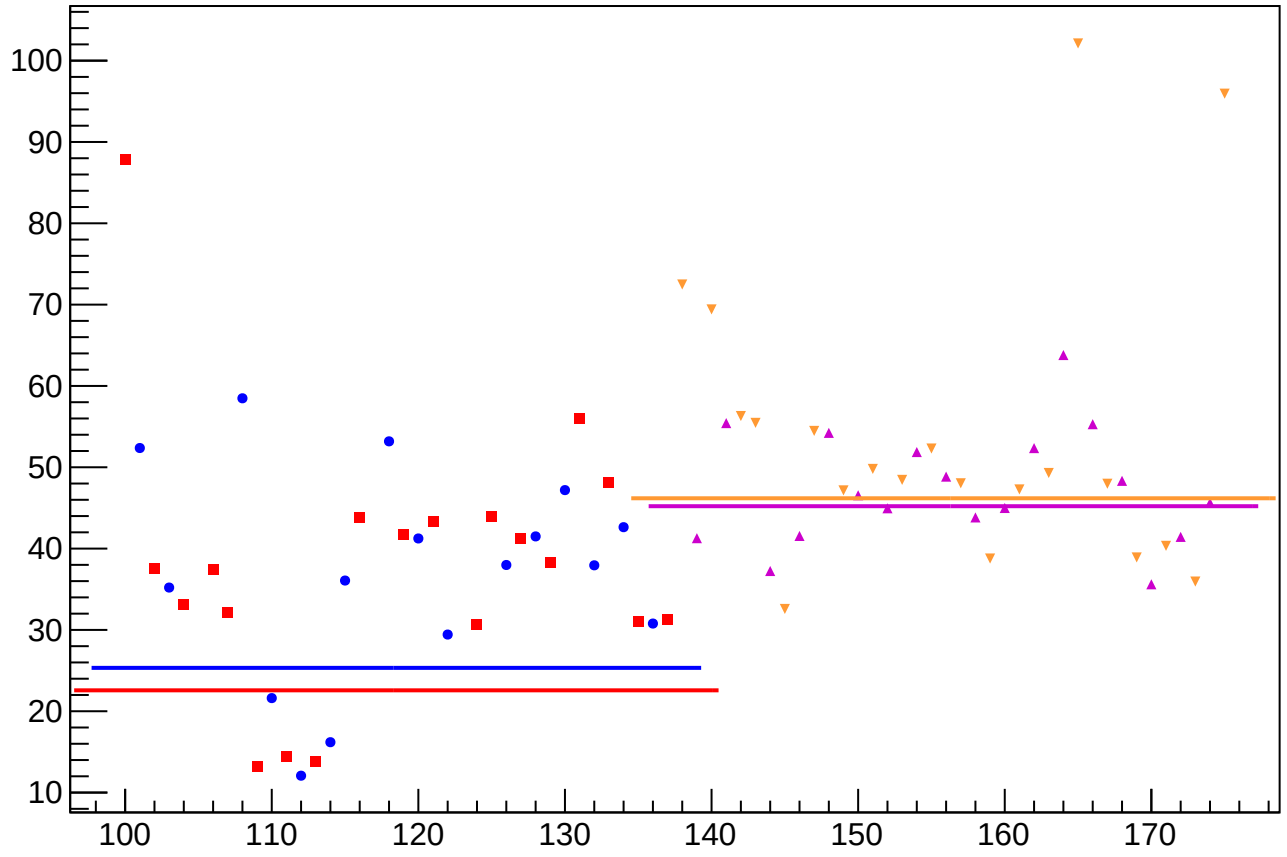
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.012 χ^2/NDF:18.5/17

+ sign 0.009+/-0.008 χ^2/NDF: 46.0/35

All: 0.007+/-0.006 χ^2/NDF: 79.9/72

- sign 0.005+/-0.008 χ^2/NDF: 33.7/36



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 46.187+/-0.009 χ^2/NDF:1772016.5/19

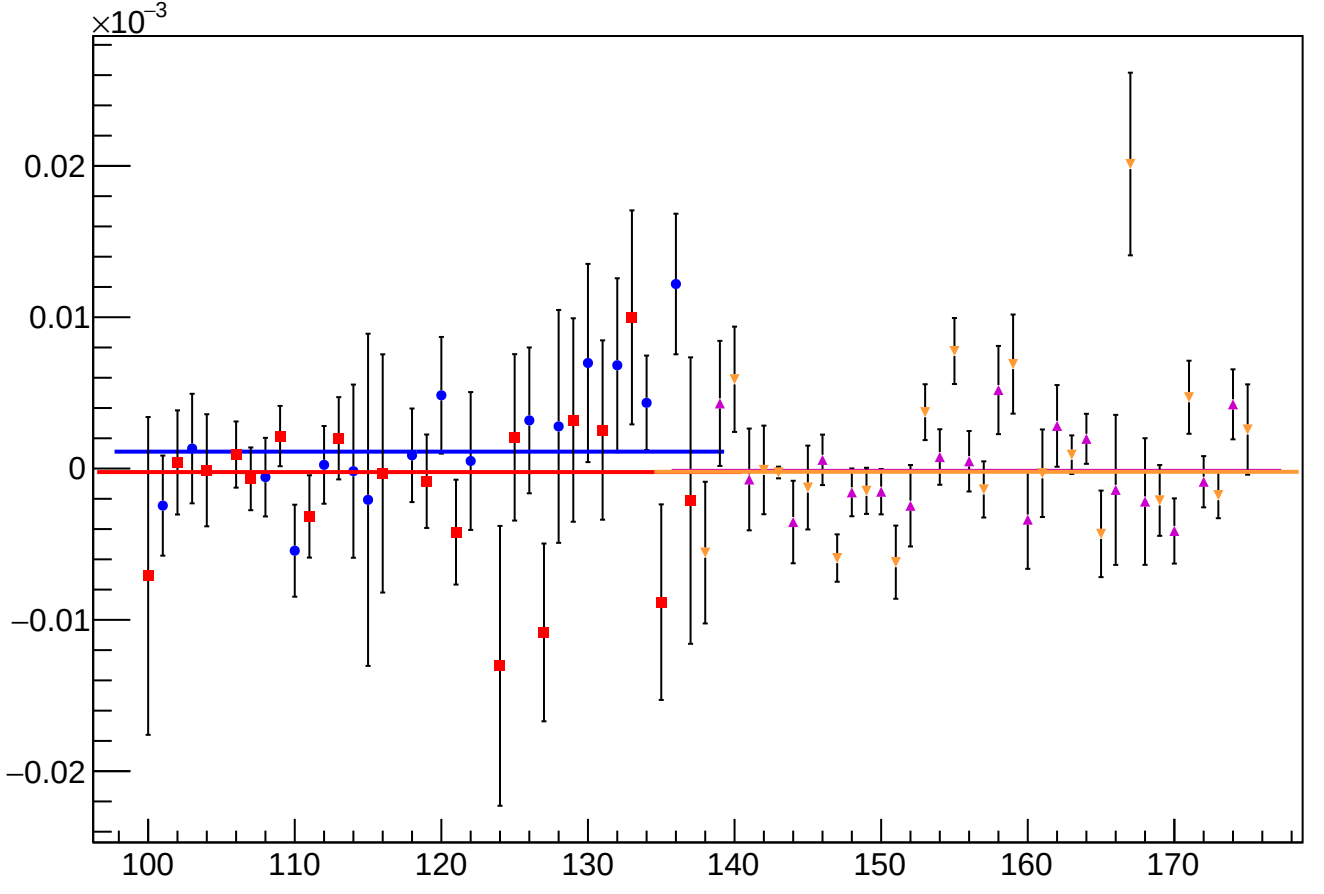
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.213+/-0.009 χ^2/NDF:523558.6/17

+ sign 34.726+/-0.006 χ^2/NDF: 7894130.1/35

All: 32.964+/-0.004 χ^2/NDF: 15907099.9/72

- sign 31.435+/-0.005 χ^2/NDF: 7840814.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:68.6/19

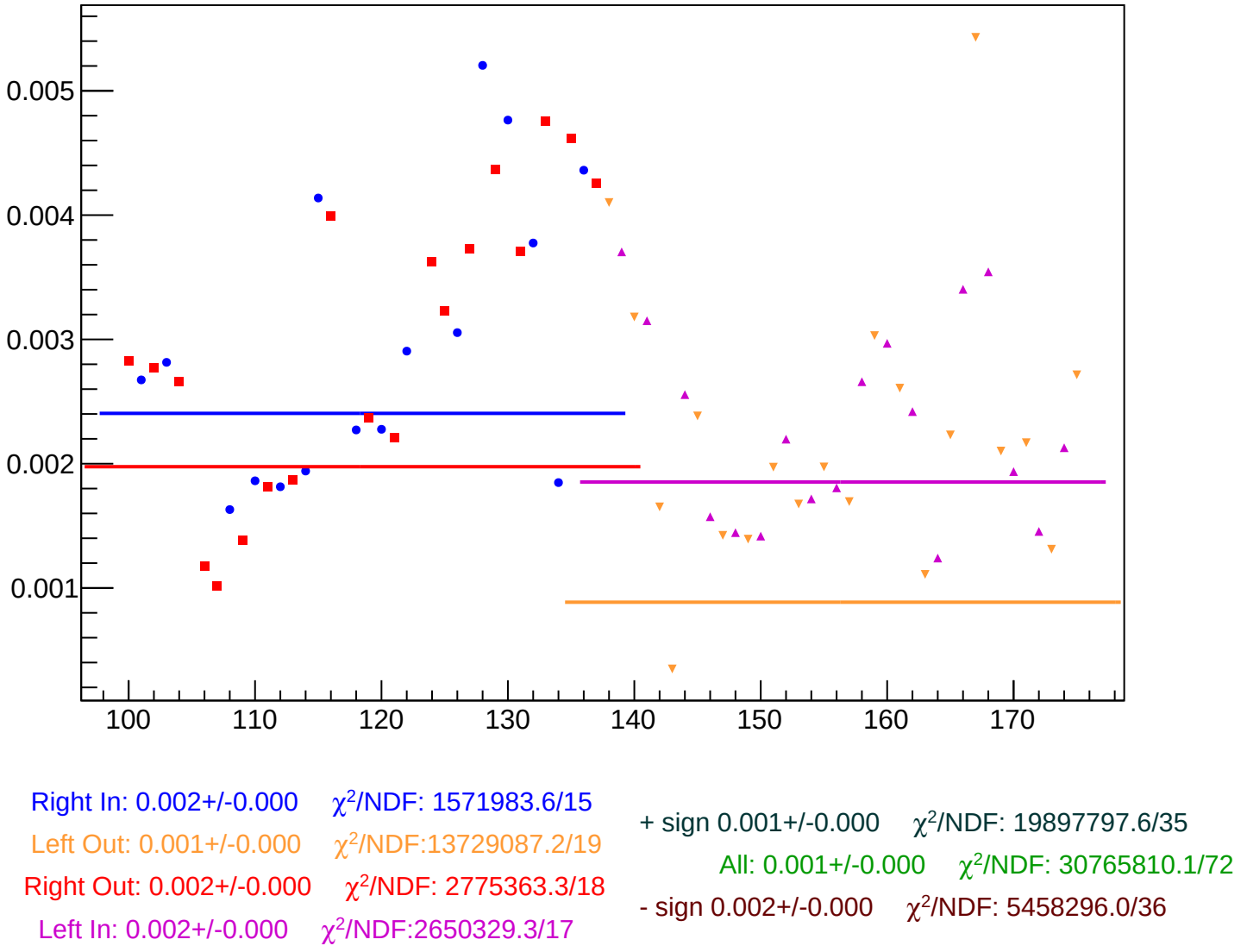
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

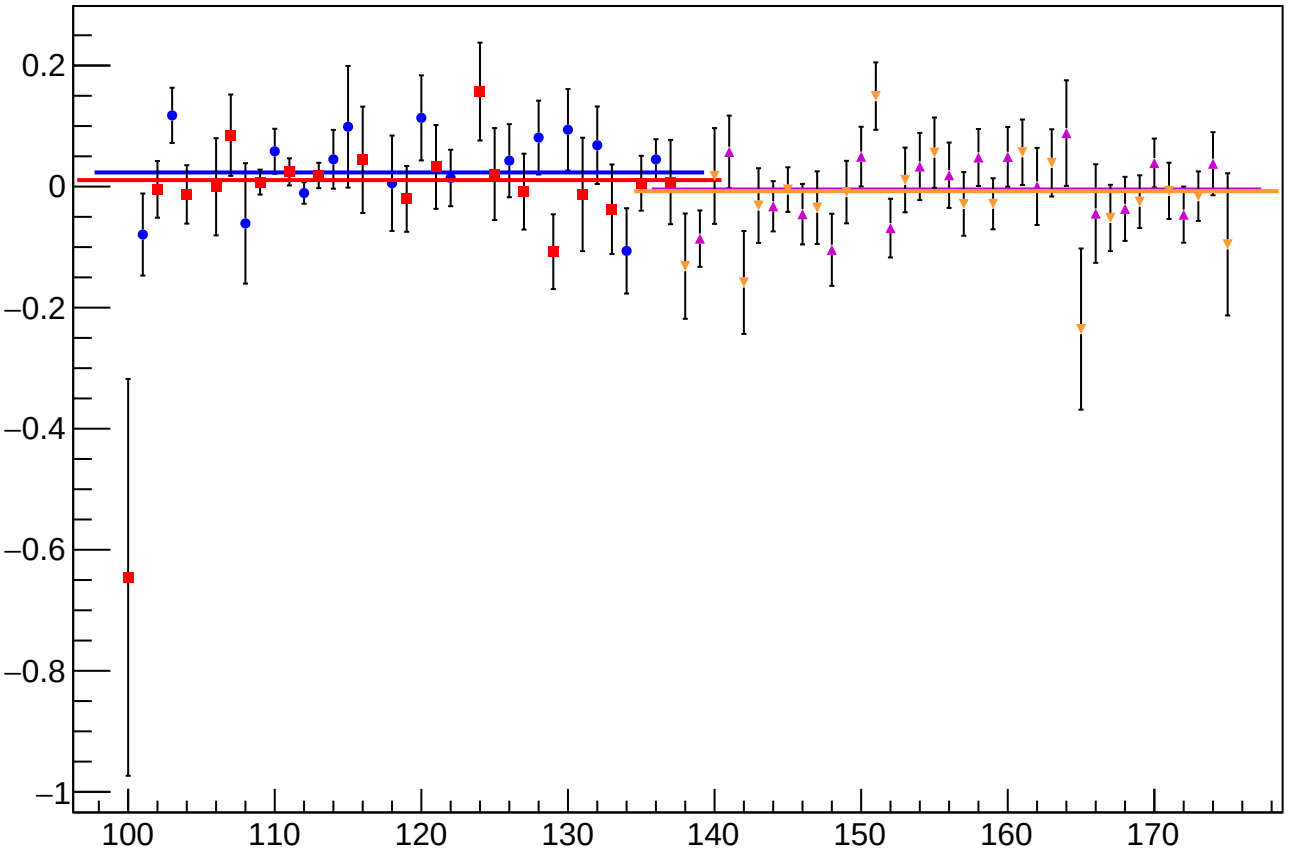
Left In: -0.000+/-0.000 χ^2/NDF:20.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 86.5/35

All: -0.000+/-0.000 χ^2/NDF: 122.1/72

- sign -0.000+/-0.000 χ^2/NDF: 35.5/36


asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
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: 1571983.6/15
Left Out: 0.001+/-0.000 χ²/NDF:13729087.2/19
Right Out: 0.002+/-0.000 χ²/NDF: 2775363.3/18
Left In: 0.002+/-0.000 χ²/NDF:2650329.3/17
+ sign 0.001+/-0.000 χ²/NDF: 19897797.6/35
All: 0.001+/-0.000 χ²/NDF: 30765810.1/72
- sign 0.002+/-0.000 χ²/NDF: 5458296.0/36



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/19

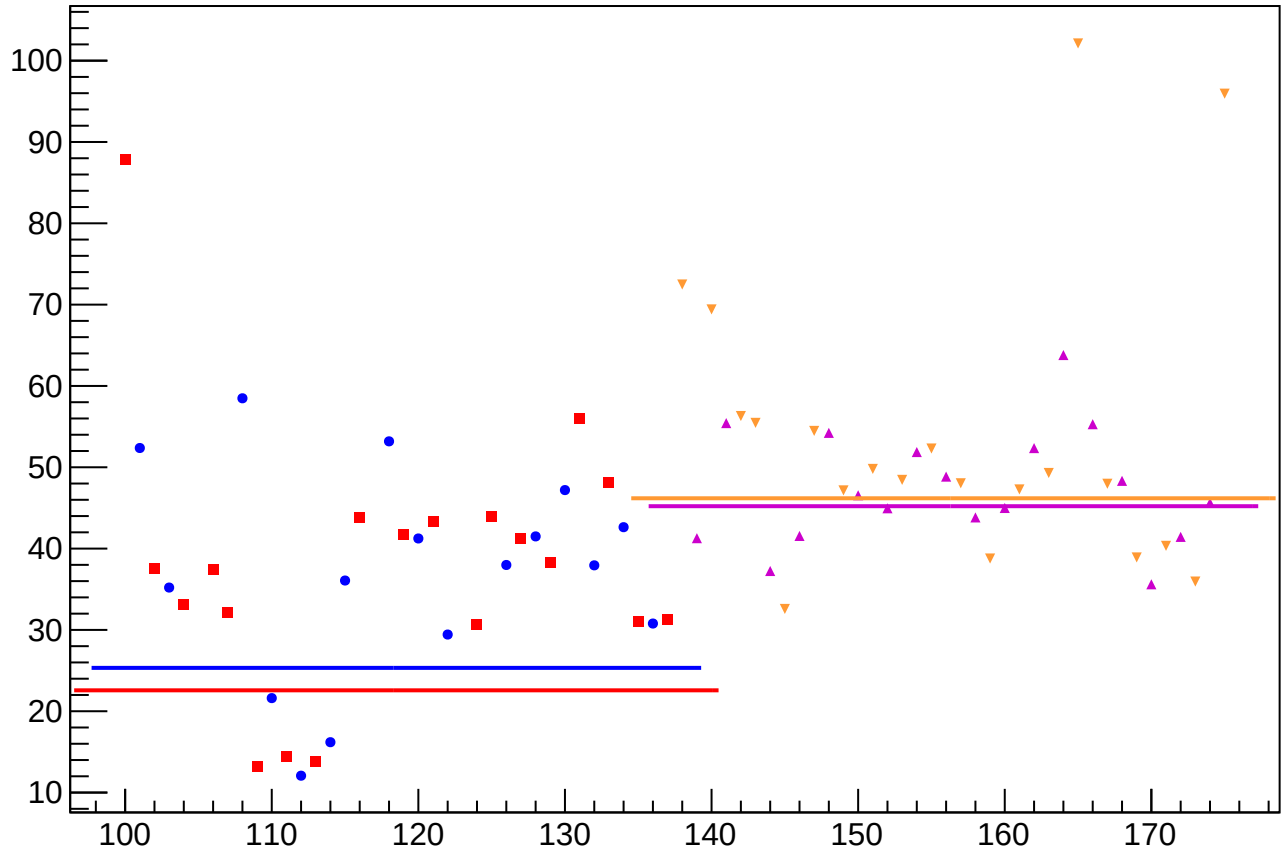
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.012 χ^2/NDF:18.5/17

+ sign 0.009+/-0.008 χ^2/NDF: 46.0/35

All: 0.007+/-0.006 χ^2/NDF: 79.9/72

- sign 0.005+/-0.008 χ^2/NDF: 33.7/36



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.187+/-0.009 χ^2/NDF:1772002.7/19

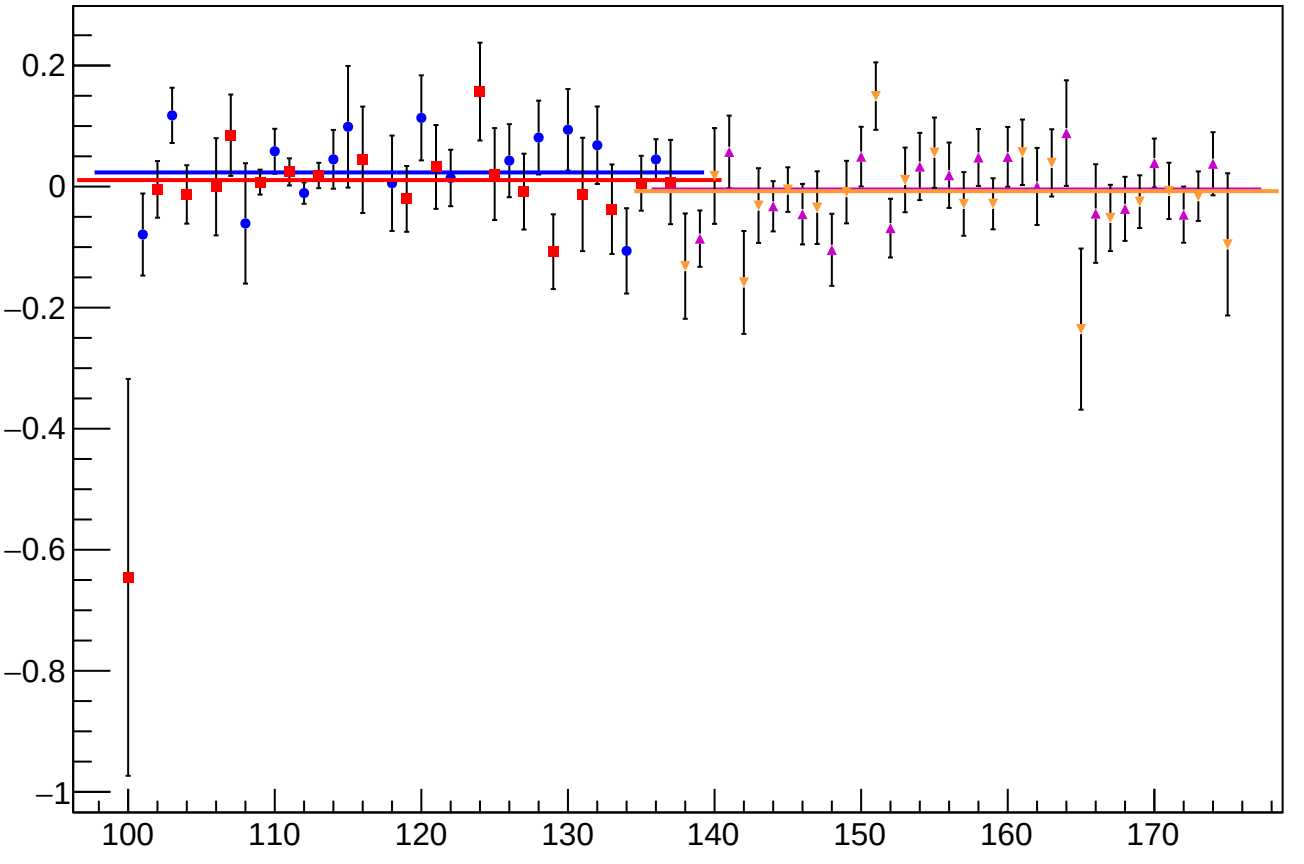
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.213+/-0.009 χ^2/NDF:523570.6/17

+ sign 34.724+/-0.006 χ^2/NDF: 7895089.8/35

All: 32.963+/-0.004 χ^2/NDF: 15908349.2/72

- sign 31.434+/-0.005 χ^2/NDF: 7841178.4/36



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/19

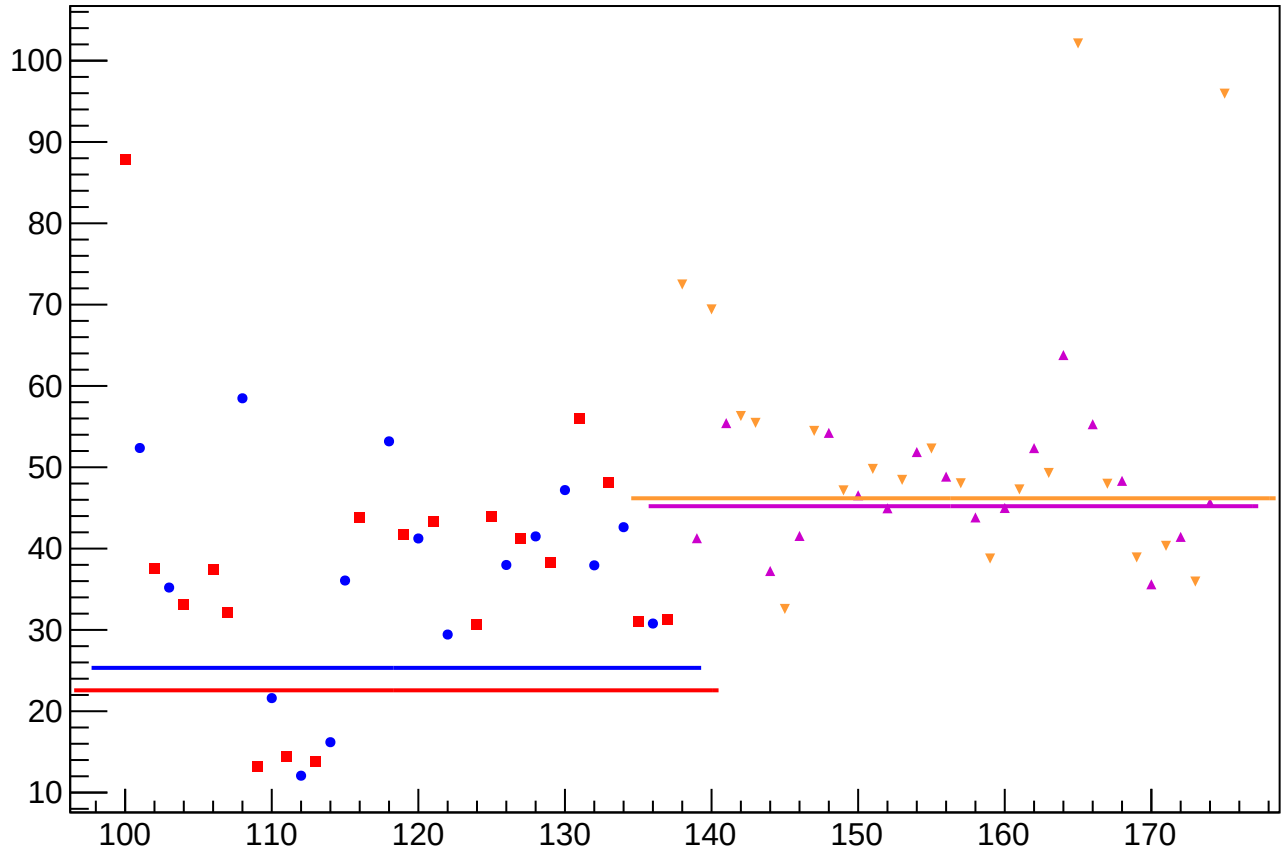
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.012 χ^2/NDF:18.5/17

+ sign 0.009+/-0.008 χ^2/NDF: 46.0/35

All: 0.007+/-0.006 χ^2/NDF: 79.9/72

- sign 0.005+/-0.008 χ^2/NDF: 33.7/36



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.187+/-0.009 χ^2/NDF:1772002.7/19

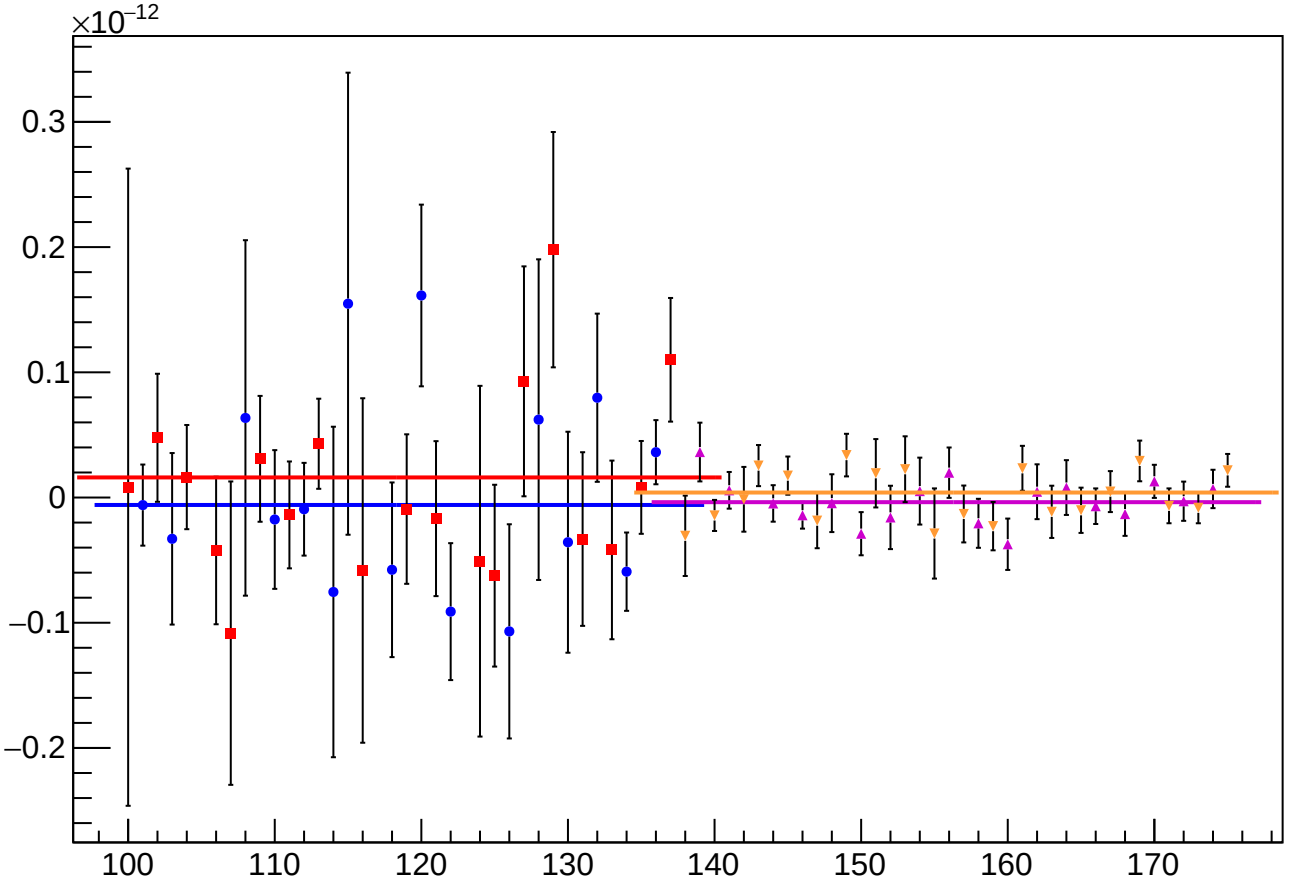
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.213+/-0.009 χ^2/NDF:523570.6/17

+ sign 34.724+/-0.006 χ^2/NDF: 7895089.8/35

All: 32.963+/-0.004 χ^2/NDF: 15908349.2/72

- sign 31.434+/-0.005 χ^2/NDF: 7841178.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.3/19

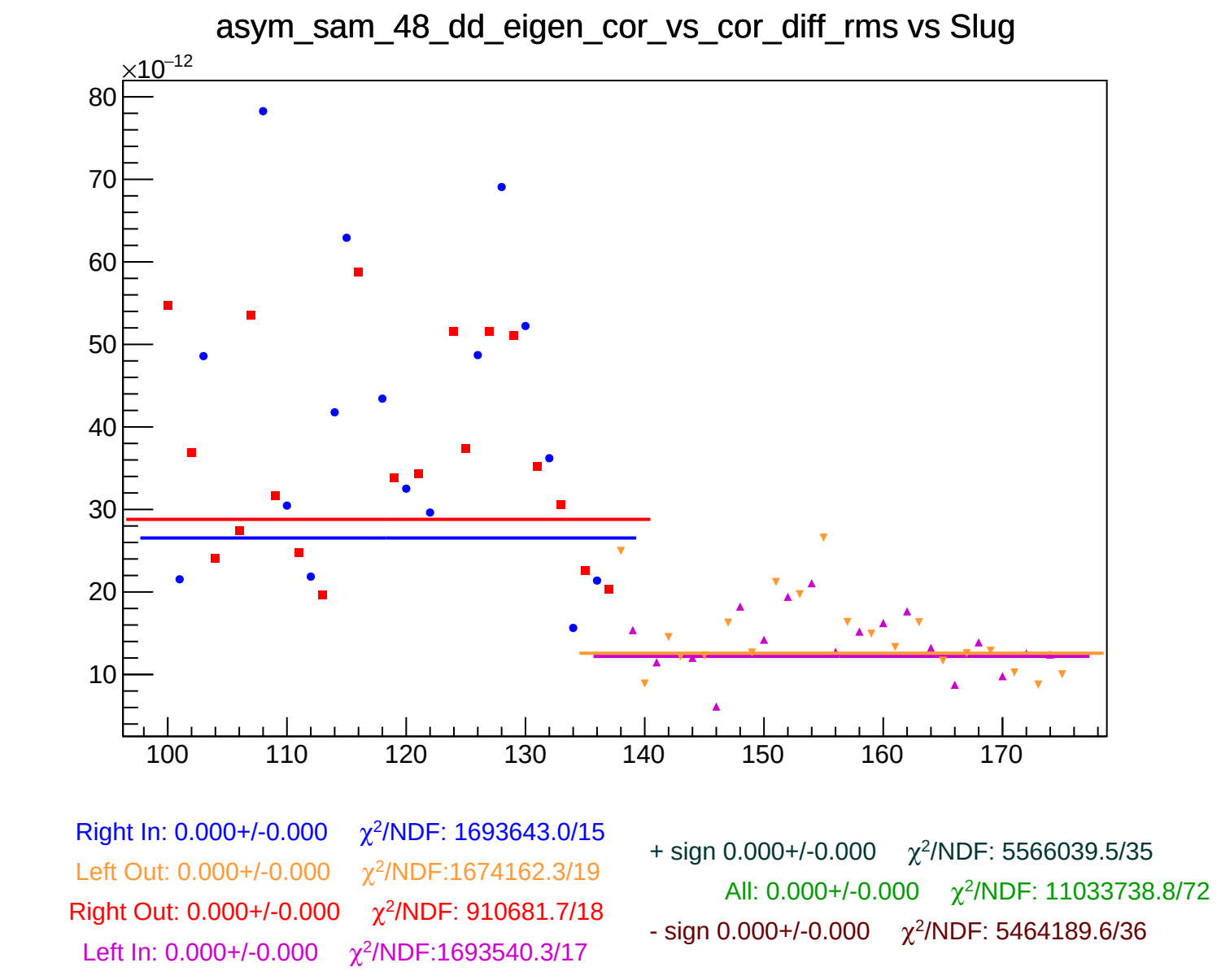
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:14.4/17

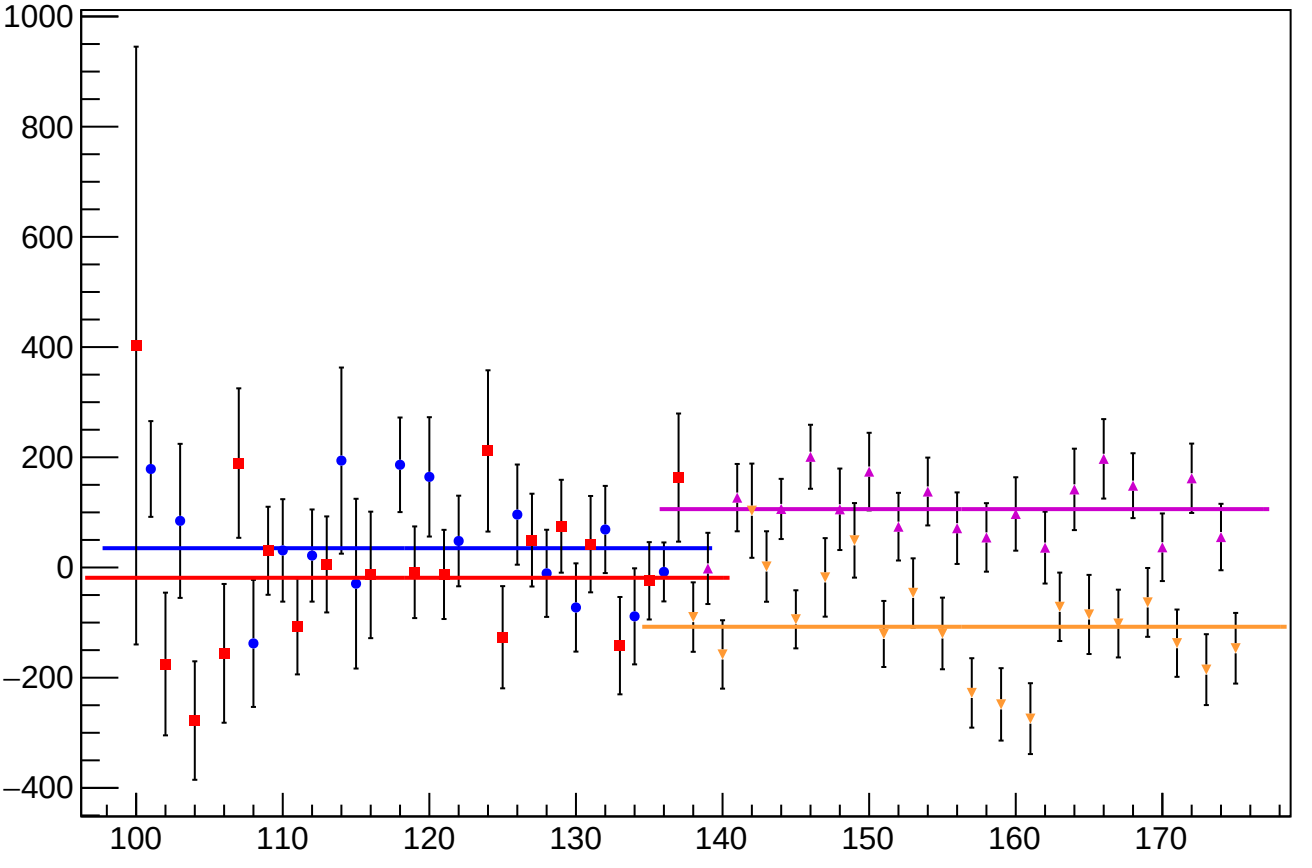
+ sign 0.000+/-0.000 χ^2/NDF: 41.6/35

All: 0.000+/-0.000 χ^2/NDF: 74.0/72

- sign -0.000+/-0.000 χ^2/NDF: 31.4/36


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1674162.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1693540.3/17
+ sign 0.000+/-0.000 χ²/NDF: 5566039.5/35
All: 0.000+/-0.000 χ²/NDF: 11033738.8/72
- sign 0.000+/-0.000 χ²/NDF: 5464189.6/36

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.588+/-14.302 χ^2/NDF:35.8/19

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

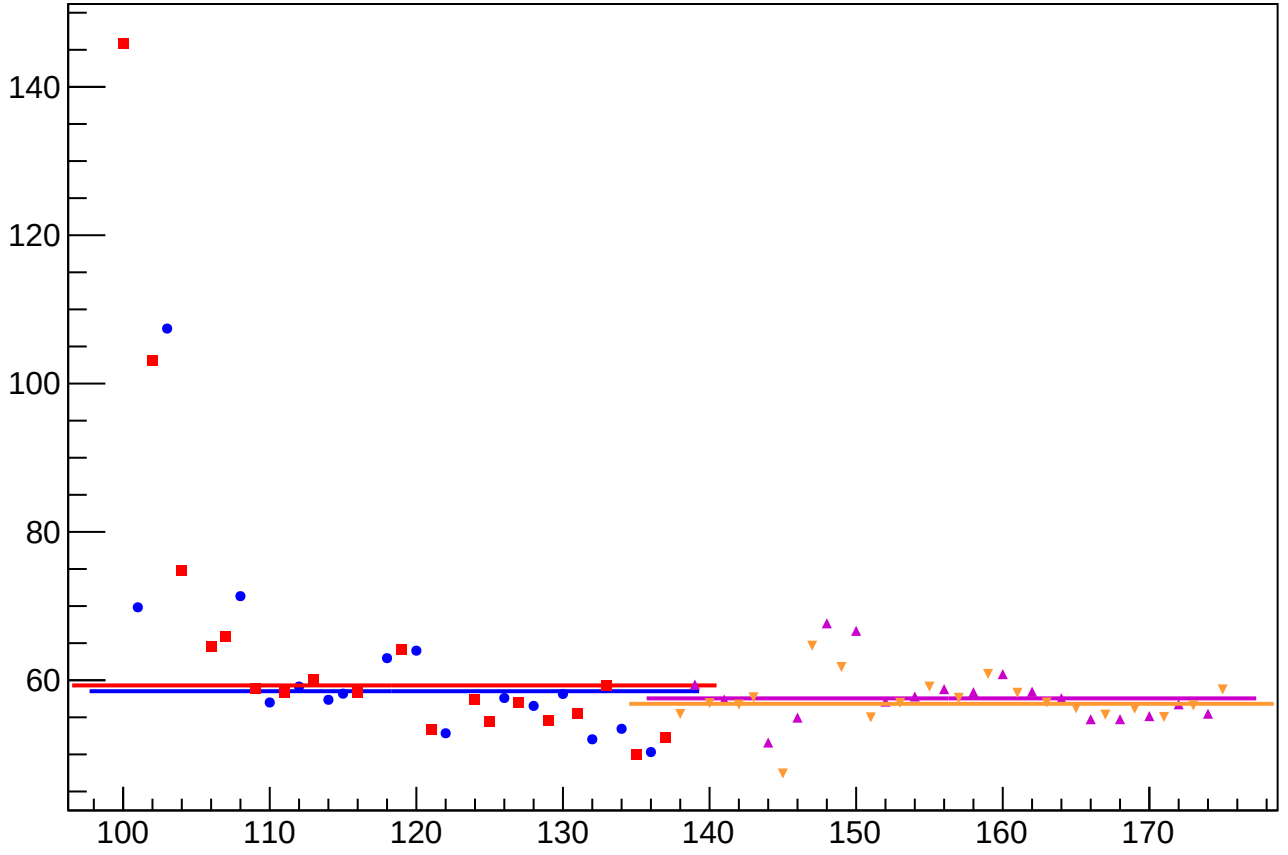
Left In: 105.926+/-14.964 χ^2/NDF:14.3/17

+ sign -65.587+/-12.012 χ^2/NDF: 81.2/35

All: -1.458+/-8.627 χ^2/NDF: 199.6/72

- sign 66.845+/-12.397 χ^2/NDF: 59.6/36

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.821+/-0.010 χ^2/NDF:118215.6/19

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

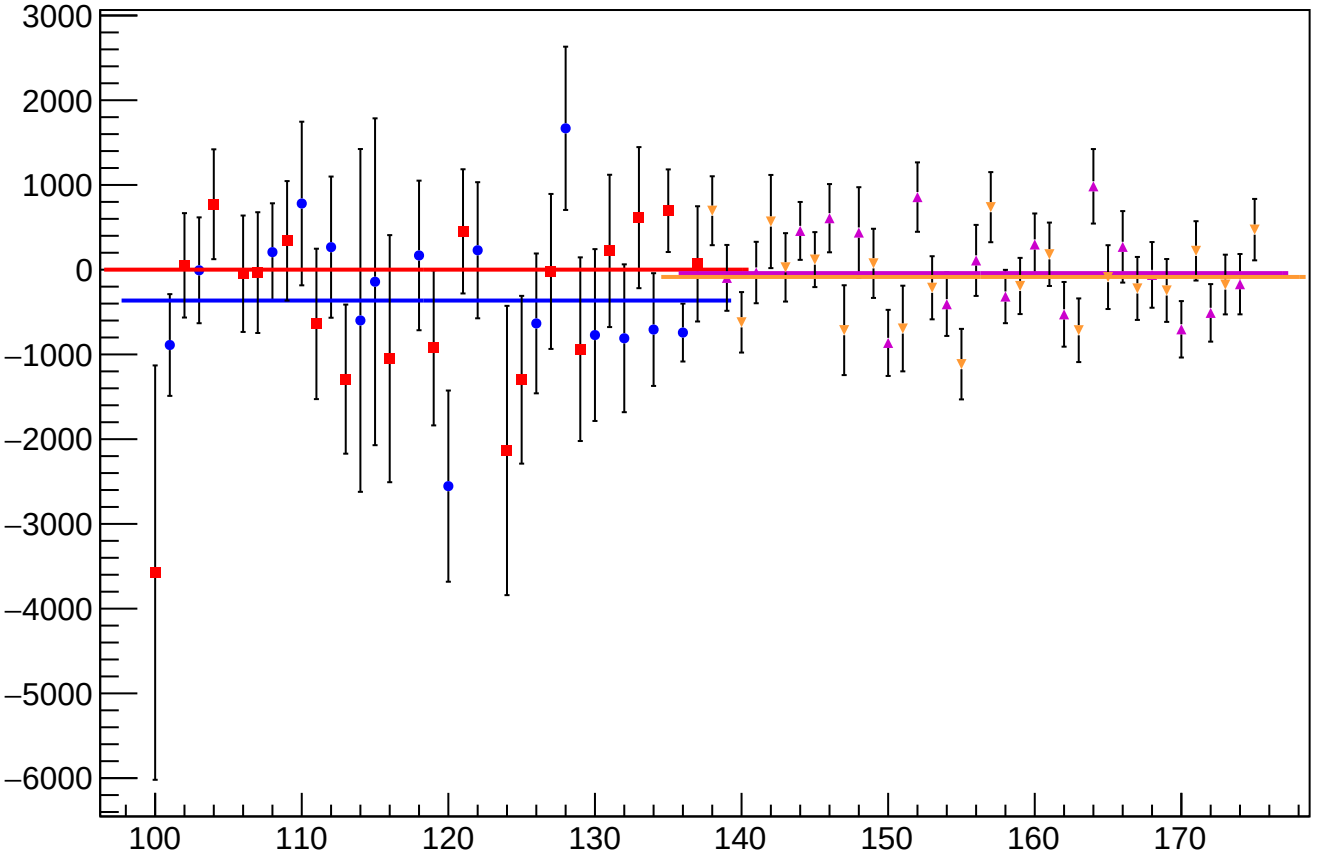
Left In: 57.555+/-0.011 χ^2/NDF:120057.1/17

+ sign 57.322+/-0.008 χ^2/NDF: 519289.2/35

All: 57.700+/-0.006 χ^2/NDF: 1058592.6/72

- sign 58.103+/-0.009 χ^2/NDF: 535208.3/36

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -85.673+/-86.432 χ^2/NDF:28.0/19

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

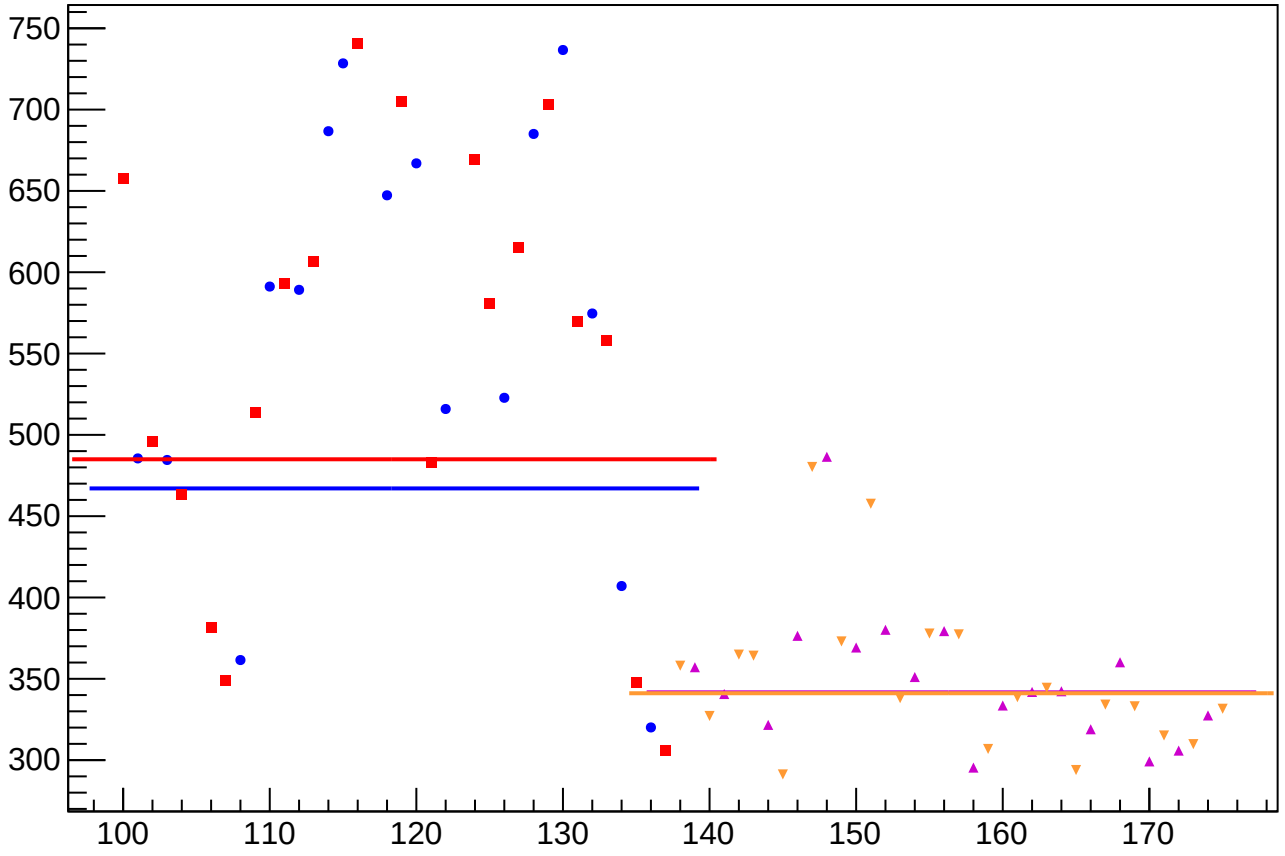
Left In: -40.259+/-89.341 χ^2/NDF:31.1/17

\+ sign -137.555+/-77.963 χ^2/NDF: 45.1/35

All: -86.528+/-55.933 χ^2/NDF: 92.3/72

\- sign -32.407+/-80.292 χ^2/NDF: 46.2/36

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 341.119+/-0.061 χ^2/NDF:434284.6/19

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

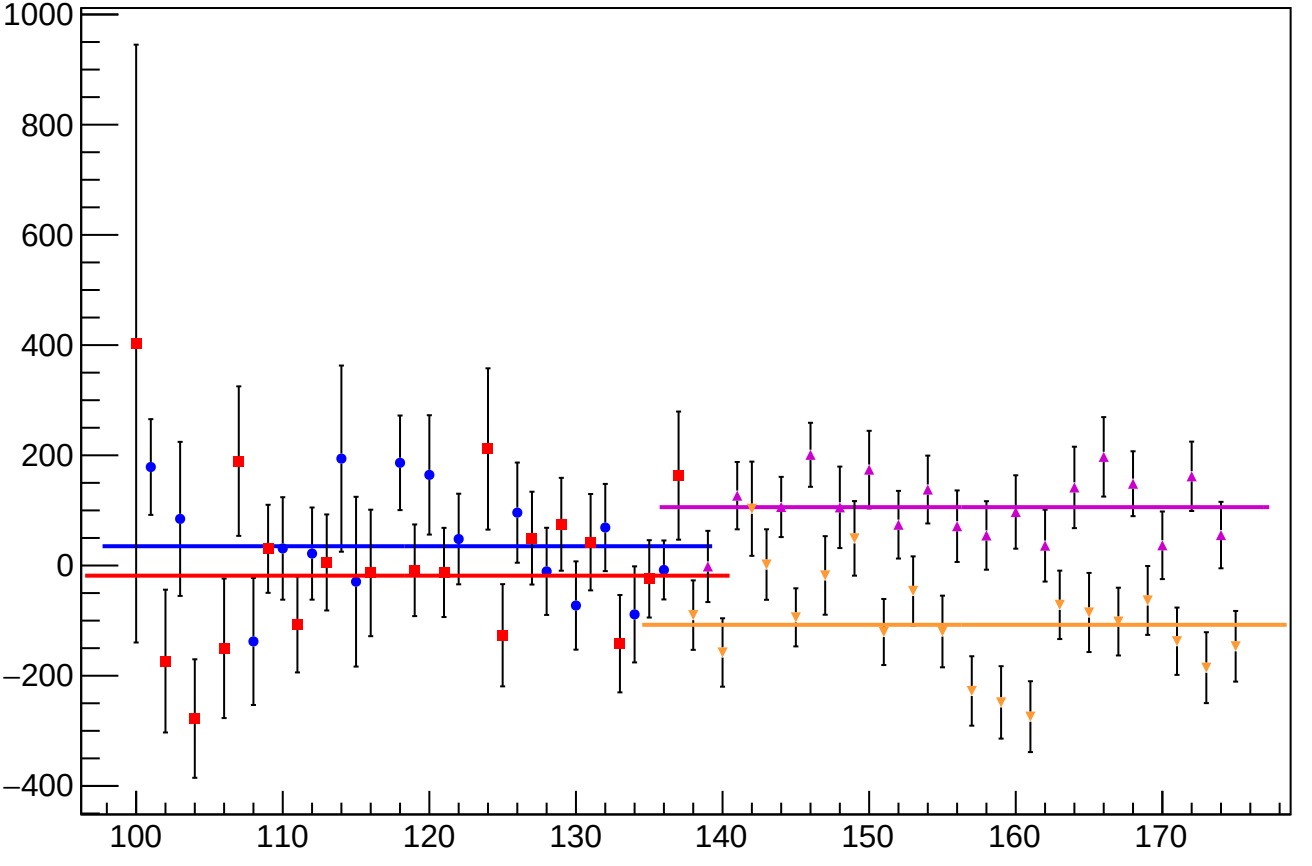
Left In: 341.704+/-0.063 χ^2/NDF:329095.4/17

+ sign 364.590+/-0.055 χ^2/NDF: 2255998.2/35

All: 366.856+/-0.040 χ^2/NDF: 4451952.7/72

- sign 369.260+/-0.057 χ^2/NDF: 2192472.8/36

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.586+/-14.302 χ^2/NDF:35.7/19

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

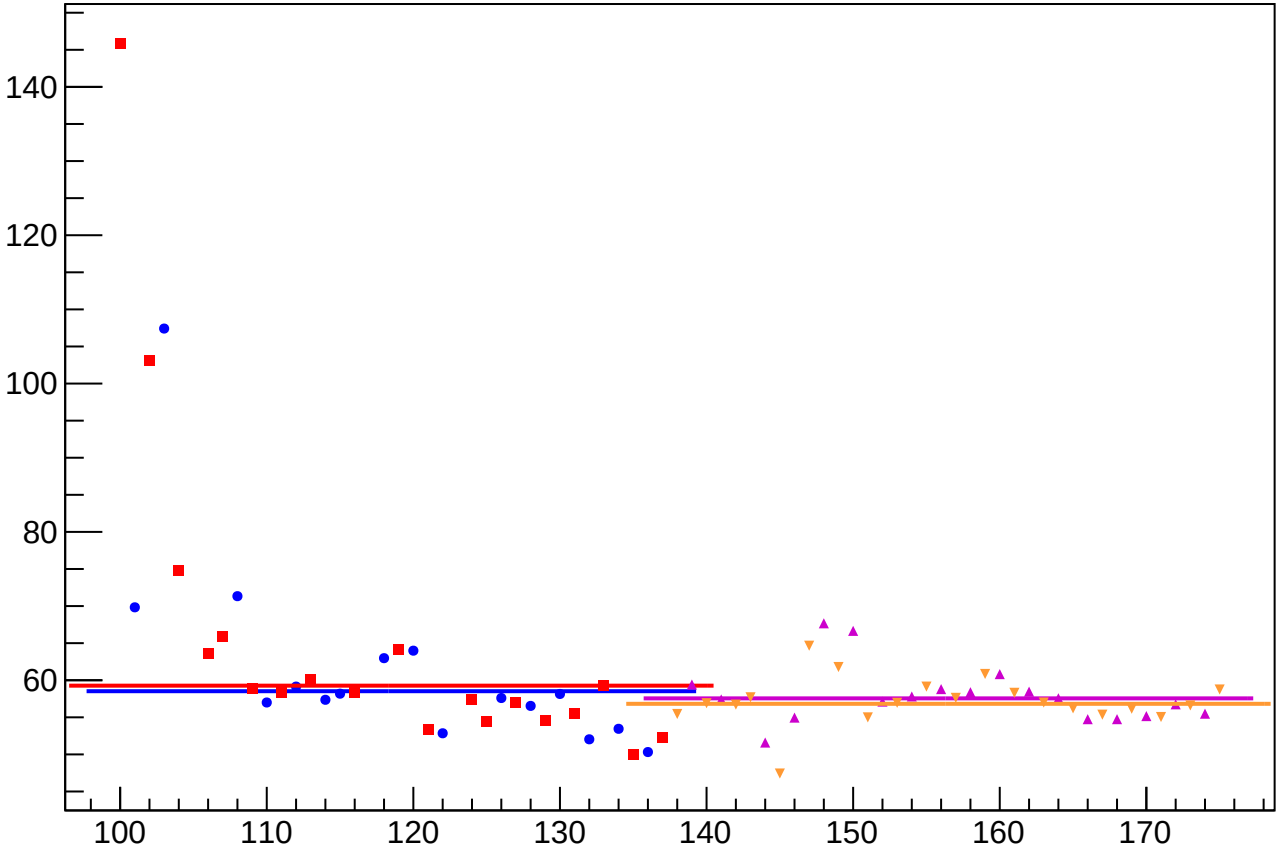
Left In: 105.927+/-14.964 χ^2/NDF:14.3/17

+ sign -65.586+/-12.012 χ^2/NDF: 81.2/35

All: -1.415+/-8.627 χ^2/NDF: 199.5/72

- sign 66.940+/-12.398 χ^2/NDF: 59.3/36

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.821+/-0.010 χ^2/NDF:118215.6/19

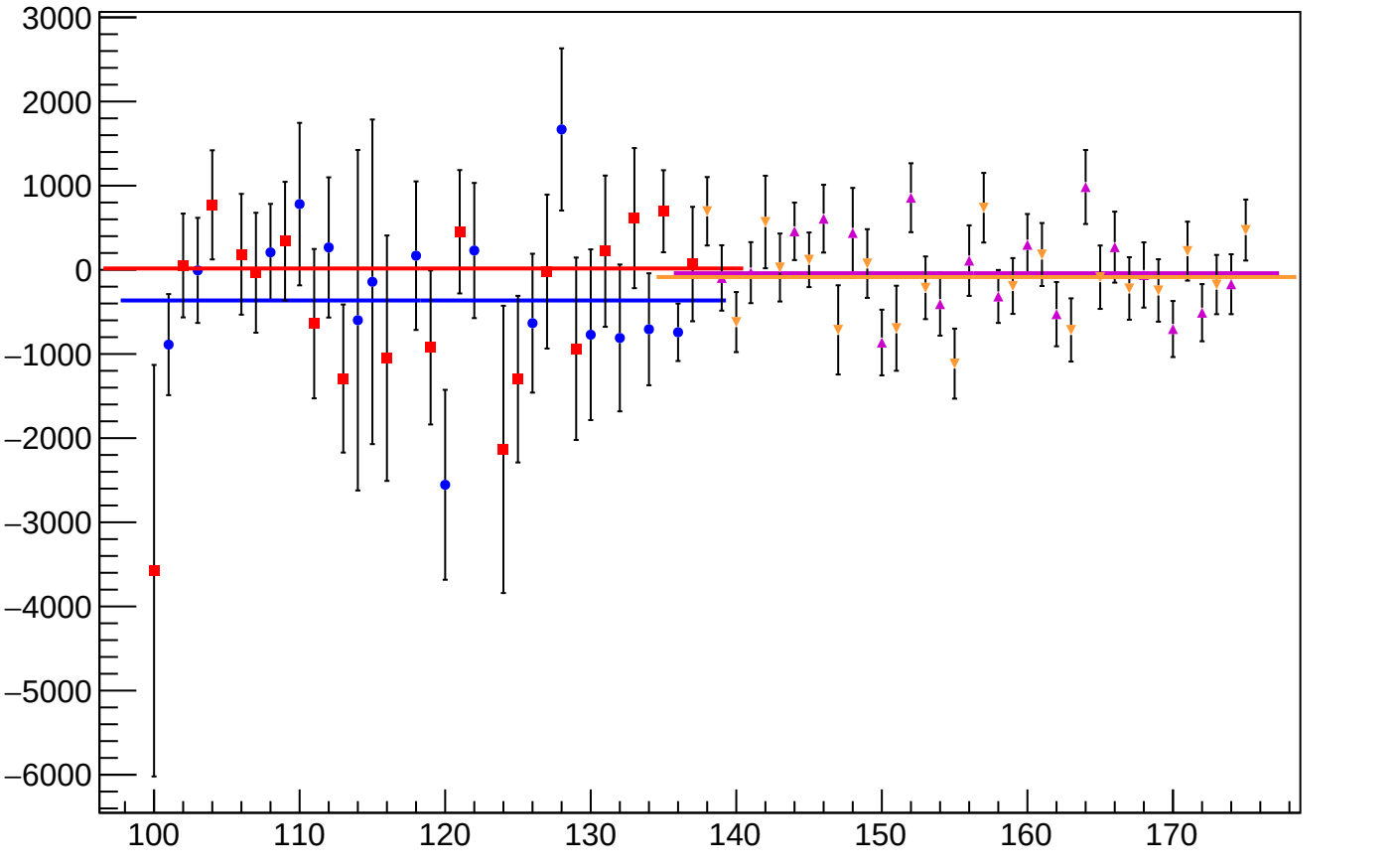
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.555+/-0.011 χ^2/NDF:120057.1/17

+ sign 57.322+/-0.008 χ^2/NDF: 519291.3/35

All: 57.695+/-0.006 χ^2/NDF: 1057183.2/72

- sign 58.093+/-0.009 χ^2/NDF: 533902.5/36



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -85.674+/-86.432 χ^2/NDF:28.0/19

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

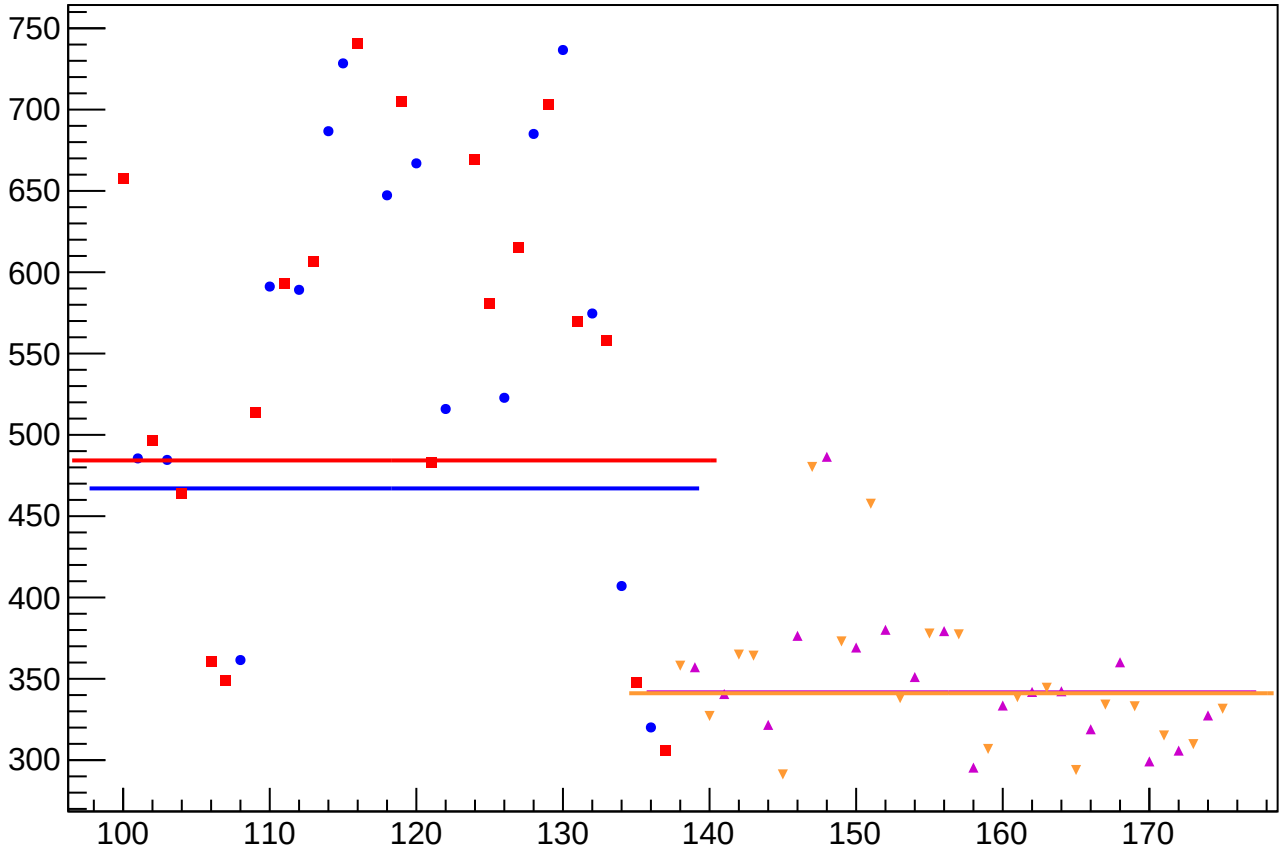
Left In: -40.259+/-89.341 χ^2/NDF:31.1/17

\+ sign -137.548+/-77.963 χ^2/NDF: 45.1/35

All: -85.134+/-55.950 χ^2/NDF: 92.4/72

\- sign -29.476+/-80.339 χ^2/NDF: 46.3/36

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 341.119+/-0.061 χ^2/NDF:434284.1/19

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

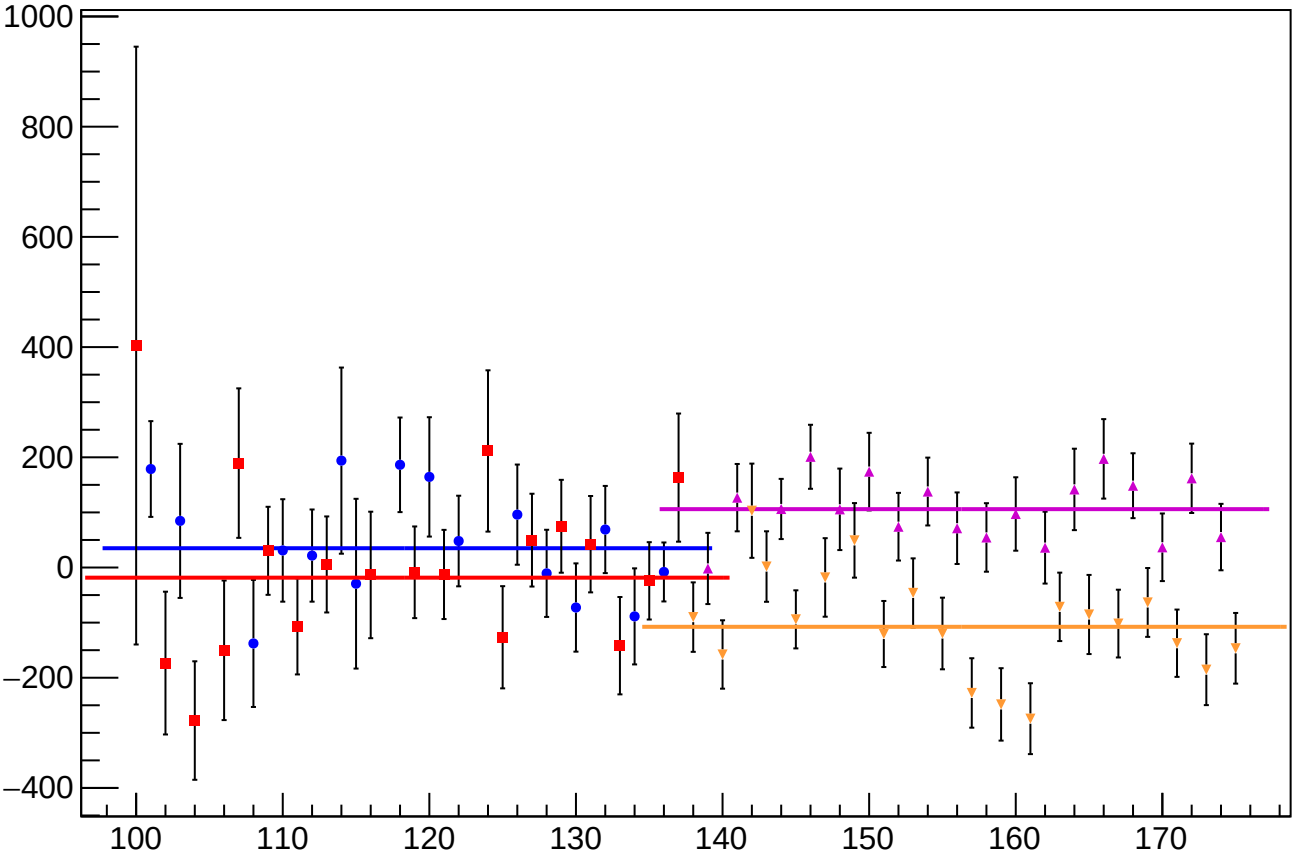
Left In: 341.704+/-0.063 χ^2/NDF:329097.4/17

+ sign 364.591+/-0.055 χ^2/NDF: 2256024.1/35

All: 366.723+/-0.040 χ^2/NDF: 4451657.8/72

- sign 368.987+/-0.057 χ^2/NDF: 2192548.7/36

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.586+/-14.302 χ^2/NDF:35.7/19

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

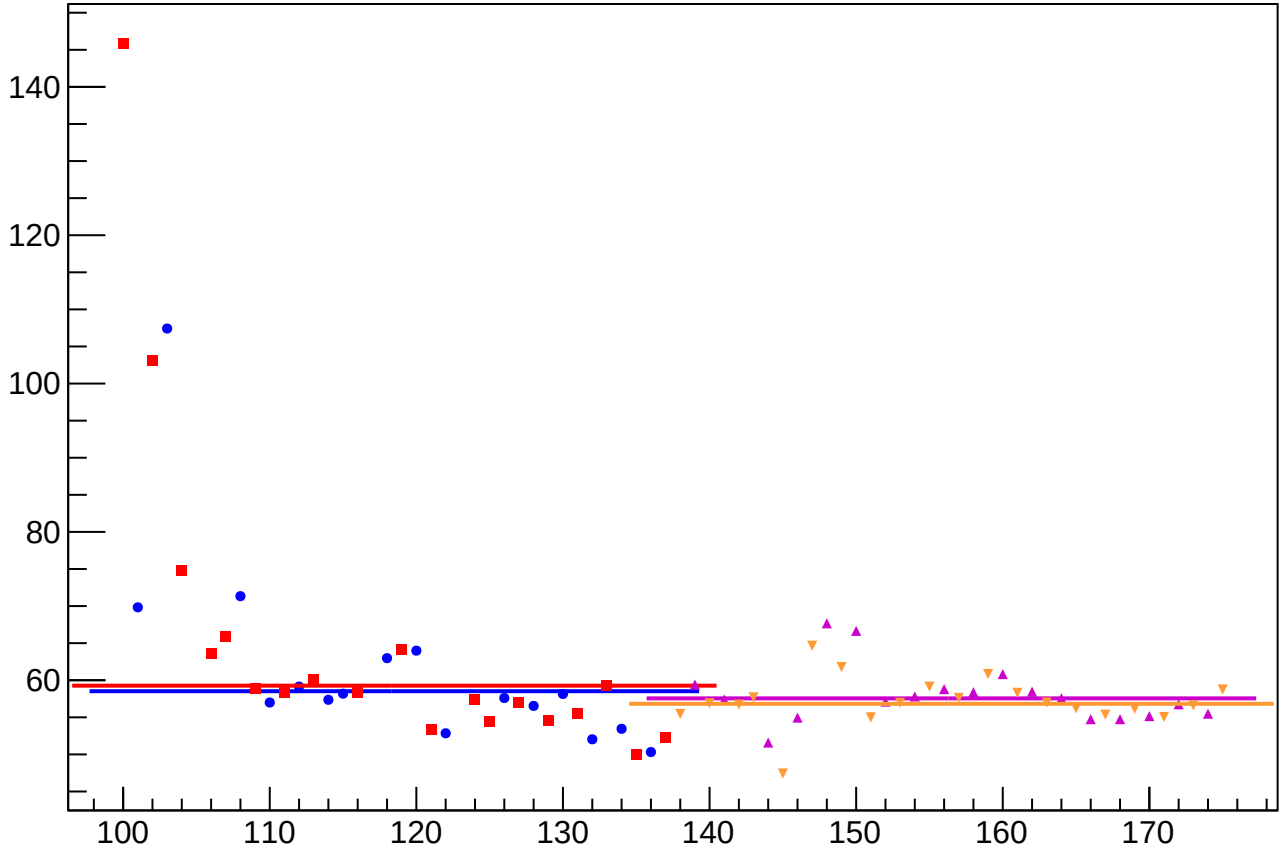
Left In: 105.927+/-14.964 χ^2/NDF:14.3/17

+ sign -65.586+/-12.012 χ^2/NDF: 81.2/35

All: -1.415+/-8.627 χ^2/NDF: 199.5/72

- sign 66.940+/-12.398 χ^2/NDF: 59.3/36

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.821+/-0.010 χ^2/NDF:118215.6/19

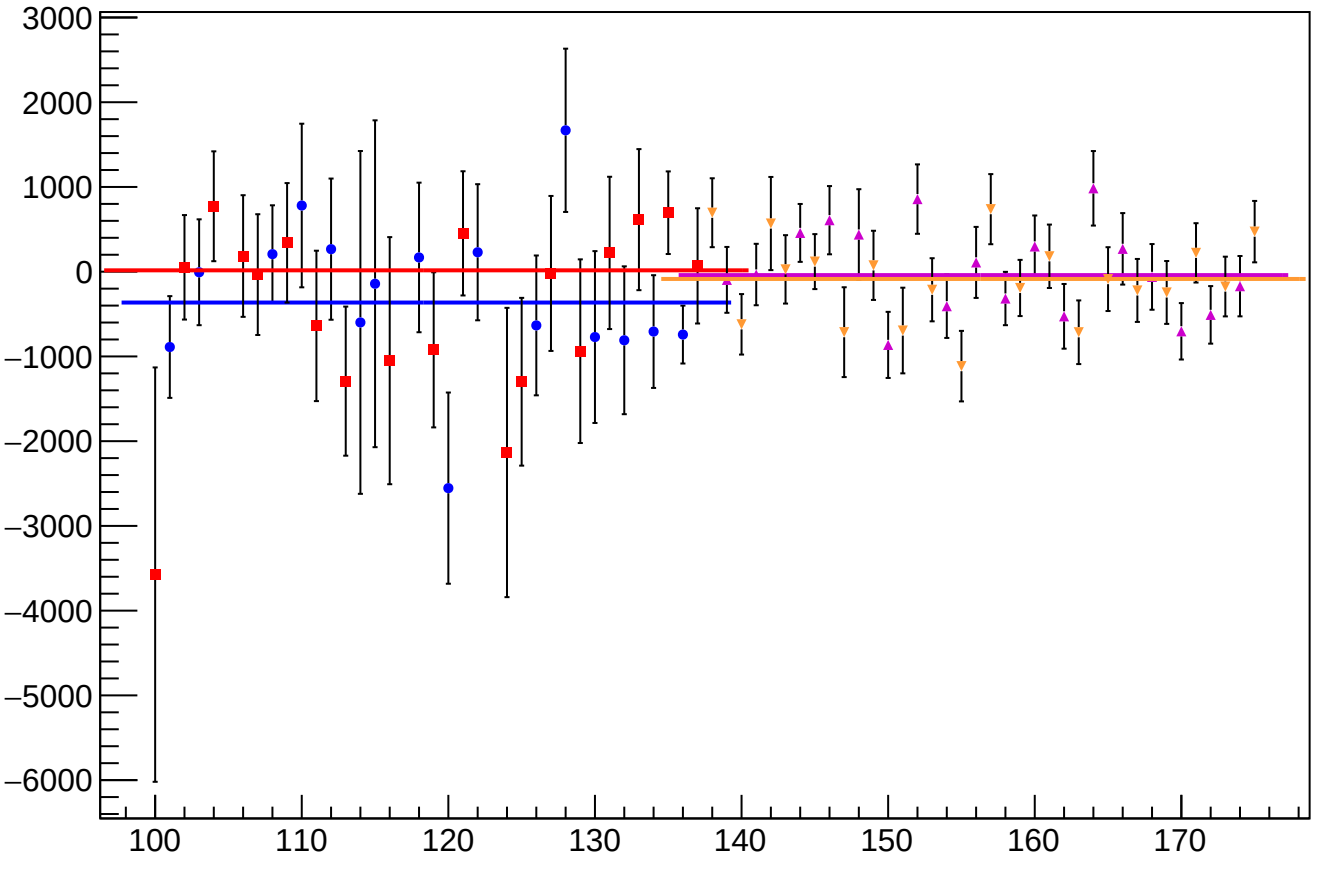
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.555+/-0.011 χ^2/NDF:120057.1/17

+ sign 57.322+/-0.008 χ^2/NDF: 519291.3/35

All: 57.695+/-0.006 χ^2/NDF: 1057183.2/72

- sign 58.093+/-0.009 χ^2/NDF: 533902.5/36



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -85.674+/-86.432 χ^2/NDF:28.0/19

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

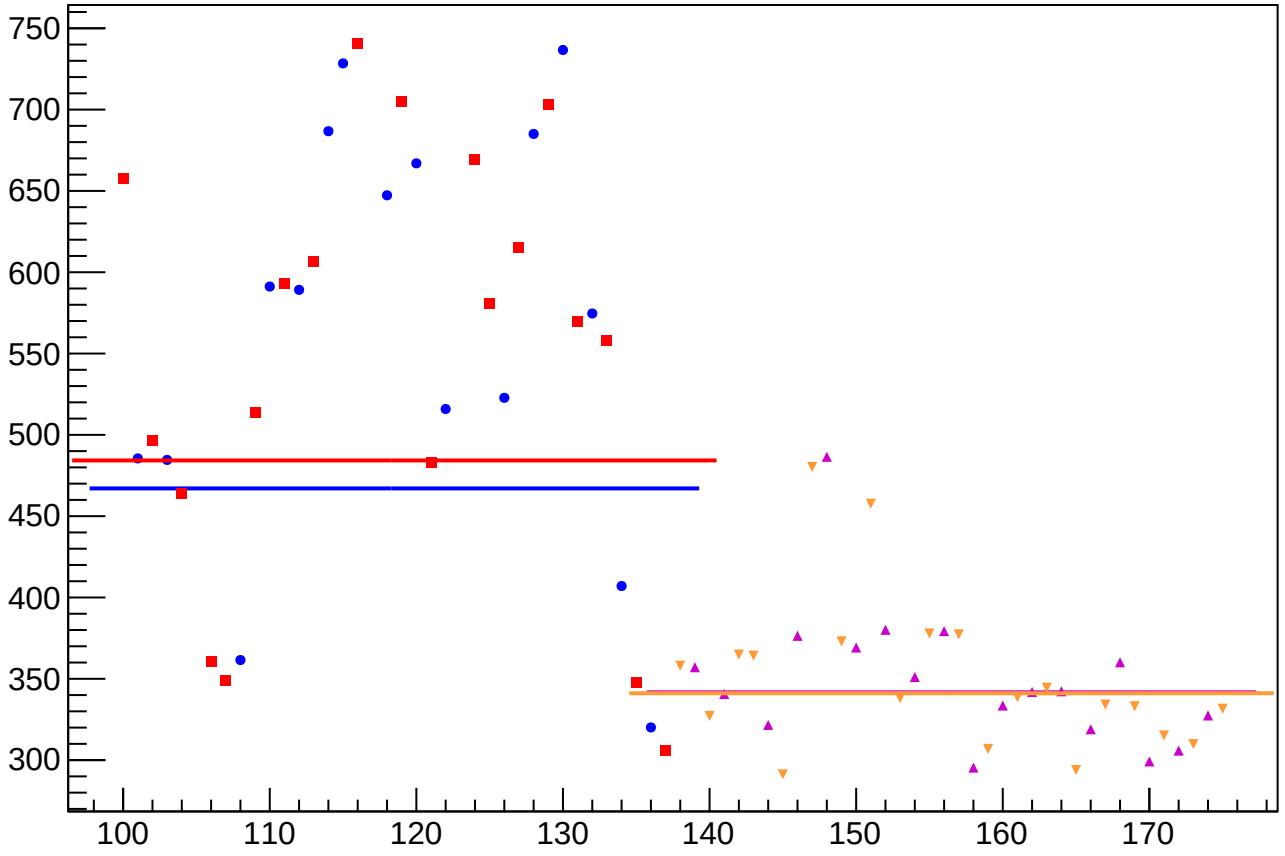
Left In: -40.259+/-89.341 χ^2/NDF:31.1/17

+ sign -137.548+/-77.963 χ^2/NDF: 45.1/35

All: -85.134+/-55.950 χ^2/NDF: 92.4/72

- sign -29.476+/-80.339 χ^2/NDF: 46.3/36

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 341.119+/-0.061 χ^2/NDF:434284.1/19

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

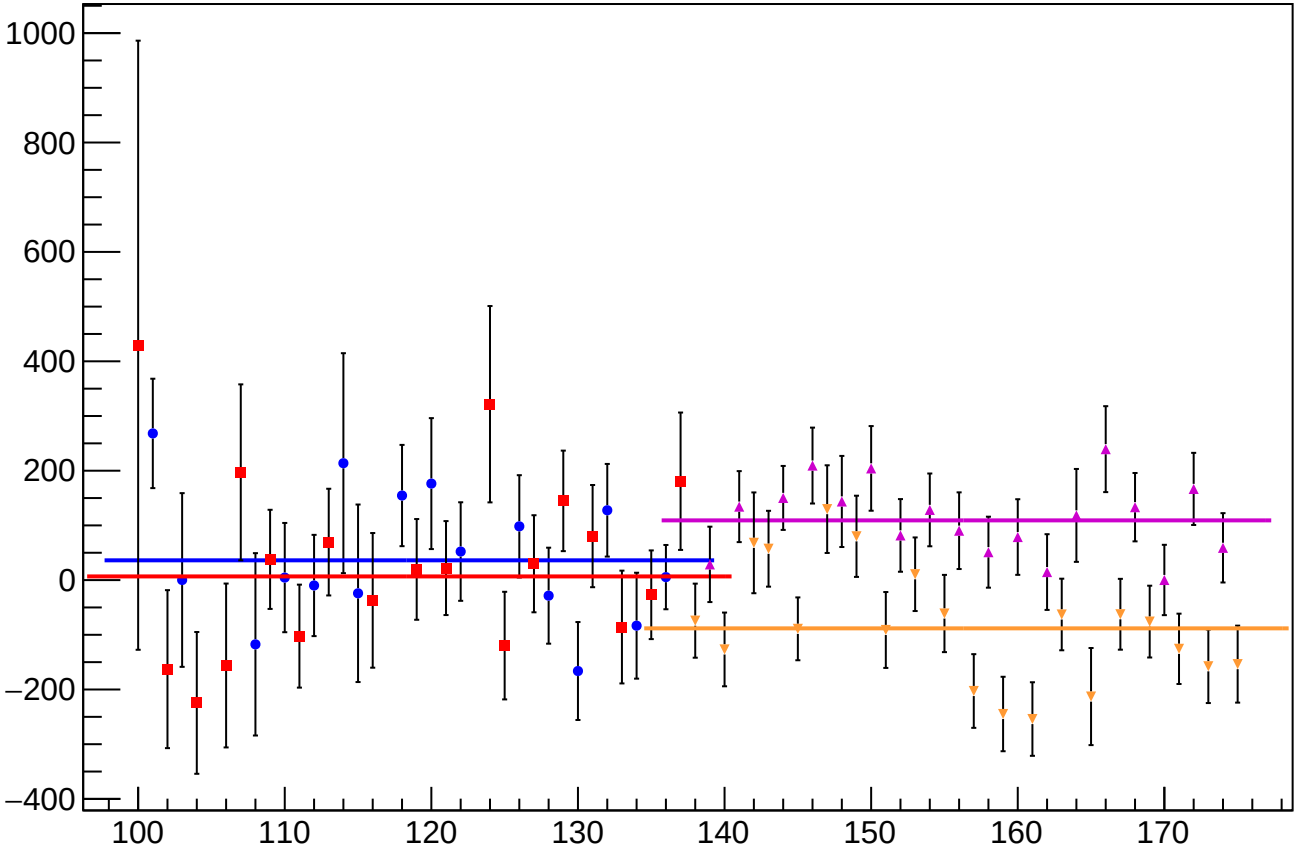
Left In: 341.704+/-0.063 χ^2/NDF:329097.4/17

+ sign 364.591+/-0.055 χ^2/NDF: 2256024.1/35

All: 366.723+/-0.040 χ^2/NDF: 4451657.8/72

- sign 368.987+/-0.057 χ^2/NDF: 2192548.7/36

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -88.223+/-15.454 χ^2/NDF:41.3/19

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

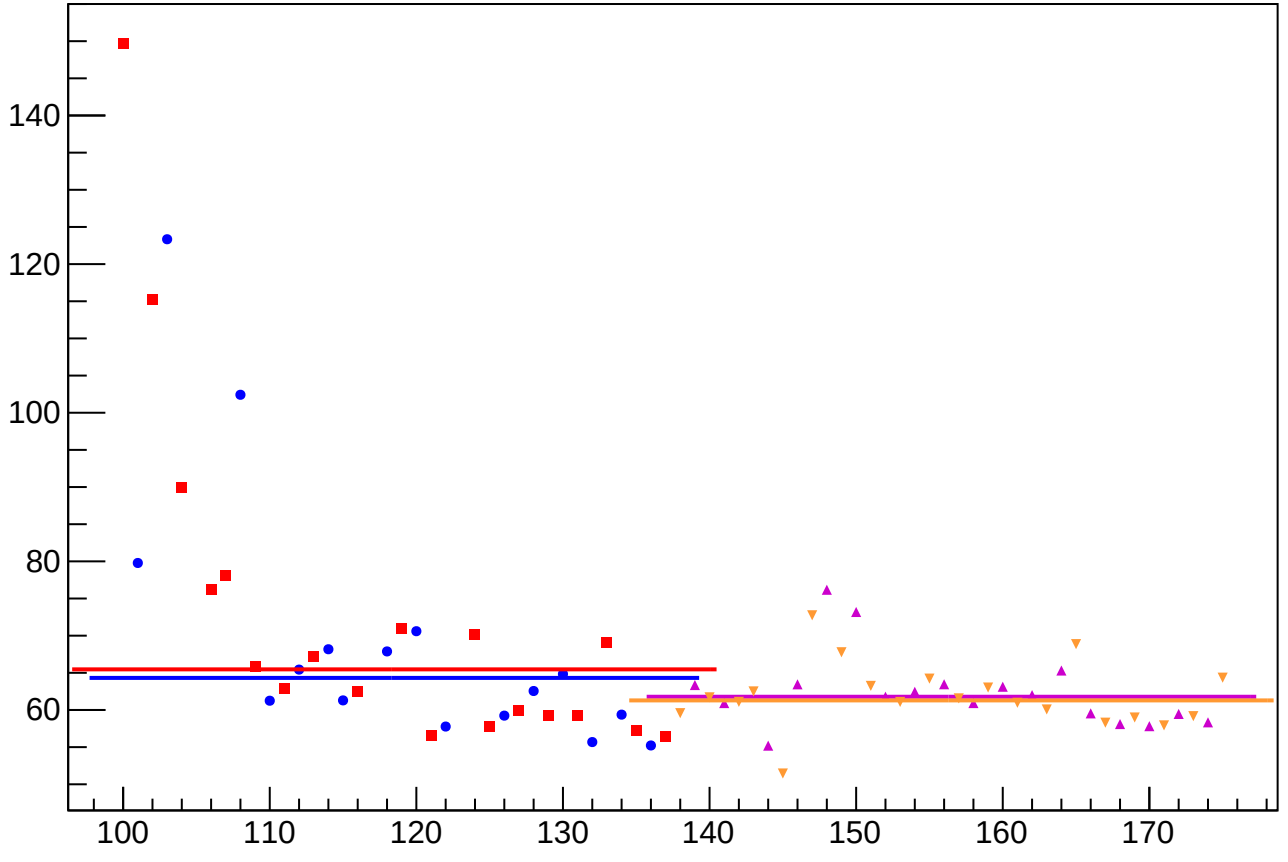
Left In: 109.187+/-16.119 χ^2/NDF:16.1/17

+ sign -52.761+/-13.067 χ^2/NDF: 79.5/35

All: 10.768+/-9.381 χ^2/NDF: 176.9/72

- sign 78.350+/-13.477 χ^2/NDF: 48.6/36

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.288+/-0.011 χ^2/NDF:156318.8/19

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

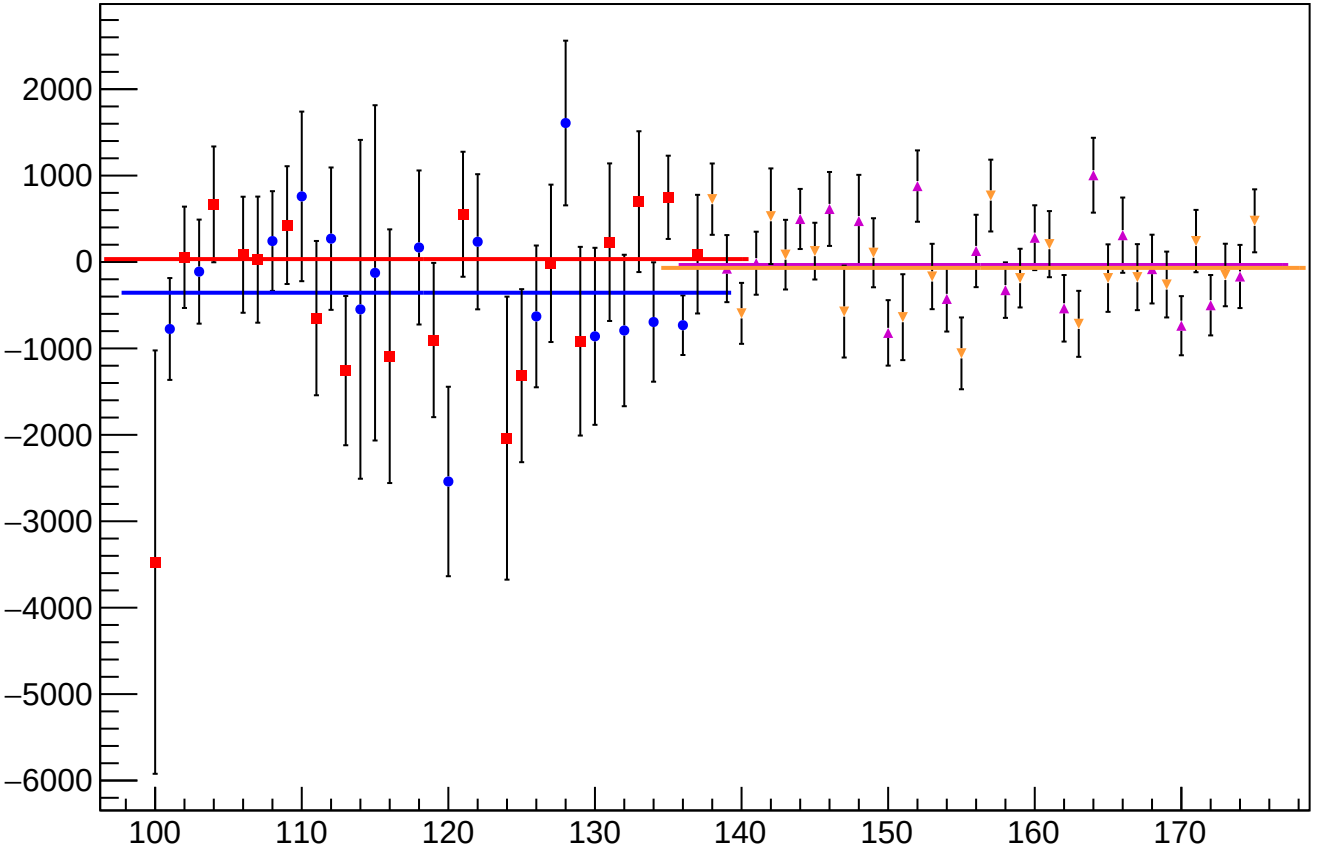
Left In: 61.780+/-0.011 χ^2/NDF:161551.3/17

+ sign 62.151+/-0.009 χ^2/NDF: 710277.7/35

All: 62.509+/-0.007 χ^2/NDF: 1388760.7/72

- sign 62.889+/-0.010 χ^2/NDF: 675392.2/36

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -68.148+/-87.516 χ^2/NDF:26.8/19

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

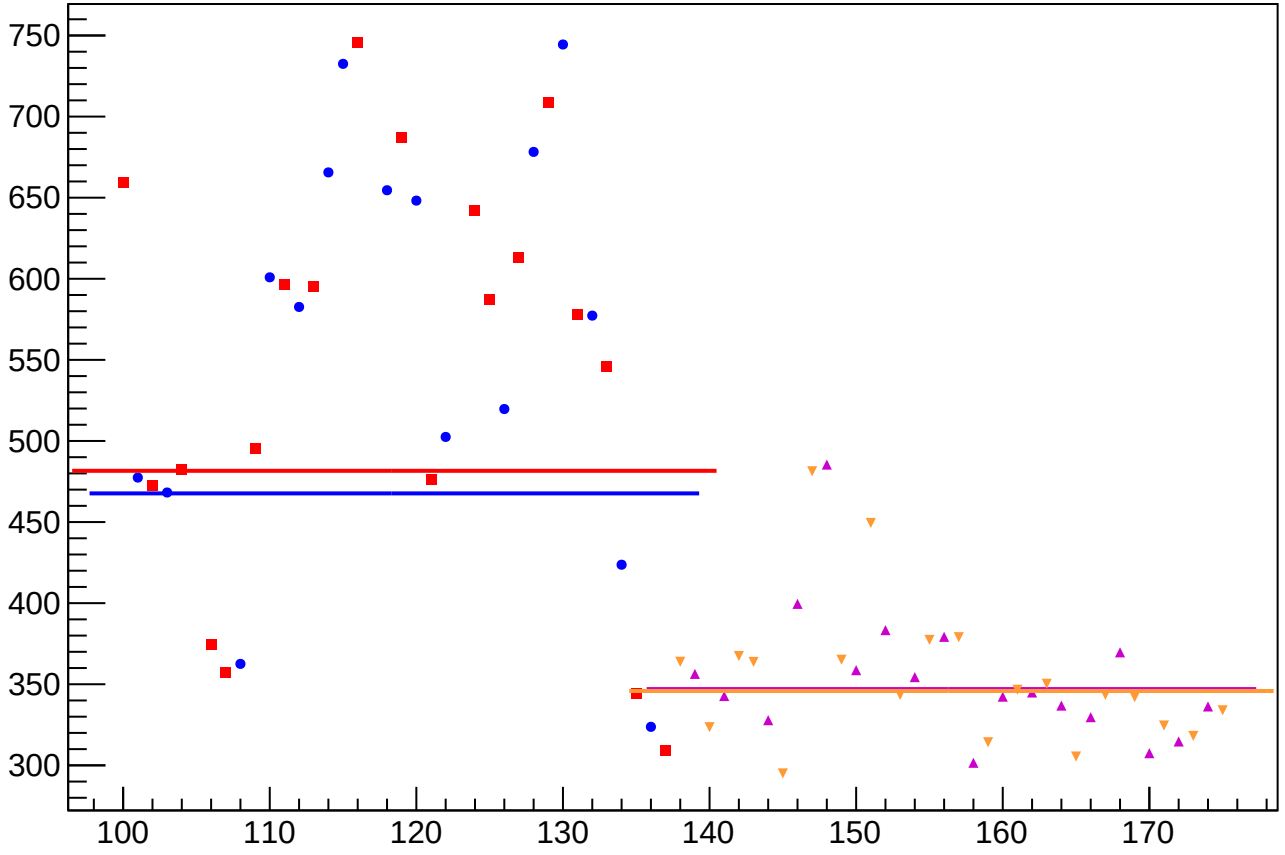
Left In: -34.868+/-90.677 χ^2/NDF:31.7/17

+ sign -122.928+/-78.734 χ^2/NDF: 43.6/35

All: -73.565+/-56.499 χ^2/NDF: 91.7/72

- sign -21.162+/-81.122 χ^2/NDF: 47.2/36

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 345.858+/-0.062 χ^2/NDF:372713.4/19

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

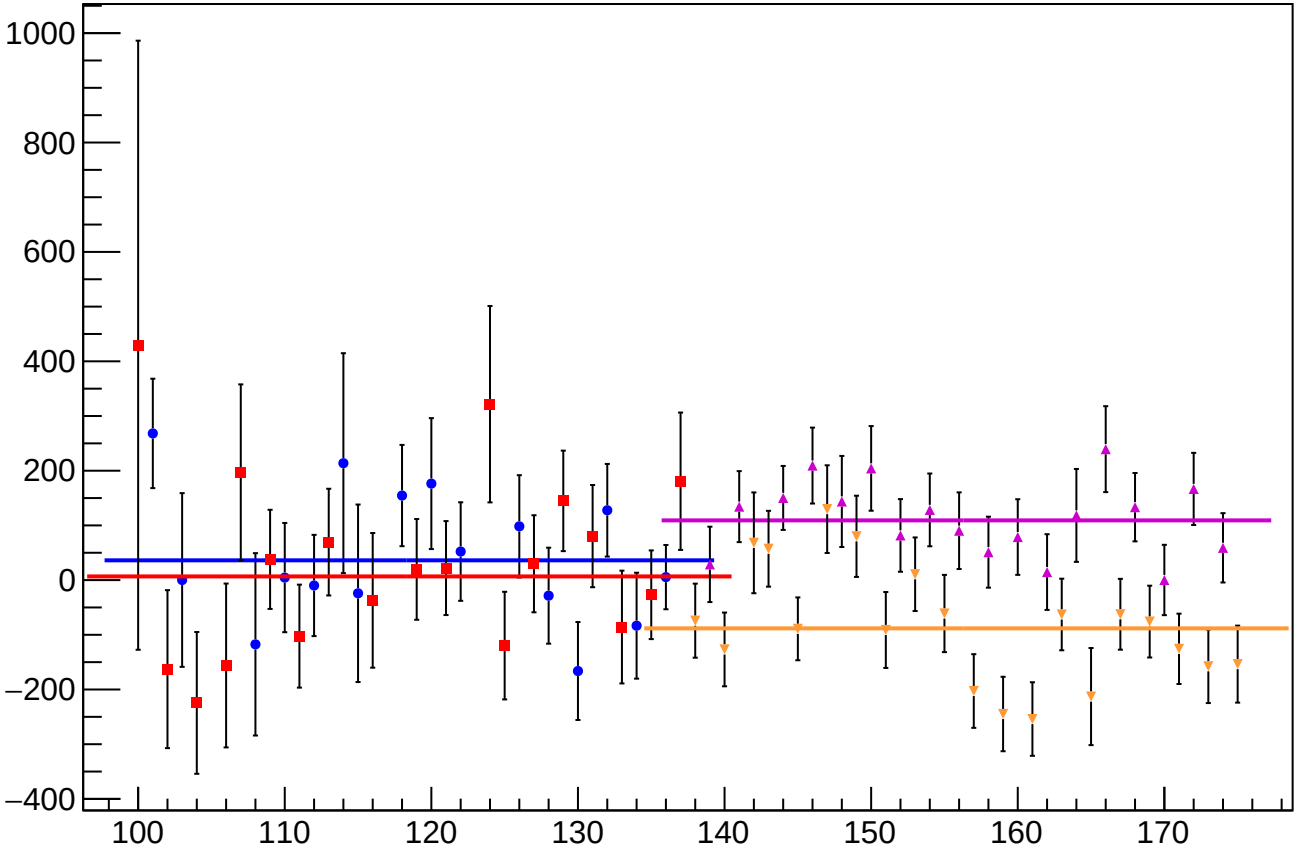
Left In: 347.034+/-0.064 χ^2/NDF:298605.6/17

+ sign 369.079+/-0.056 χ^2/NDF: 2097303.3/35

All: 371.416+/-0.040 χ^2/NDF: 4133127.5/72

- sign 373.898+/-0.057 χ^2/NDF: 2032188.6/36

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -88.222+/-15.454 χ^2/NDF:41.3/19

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

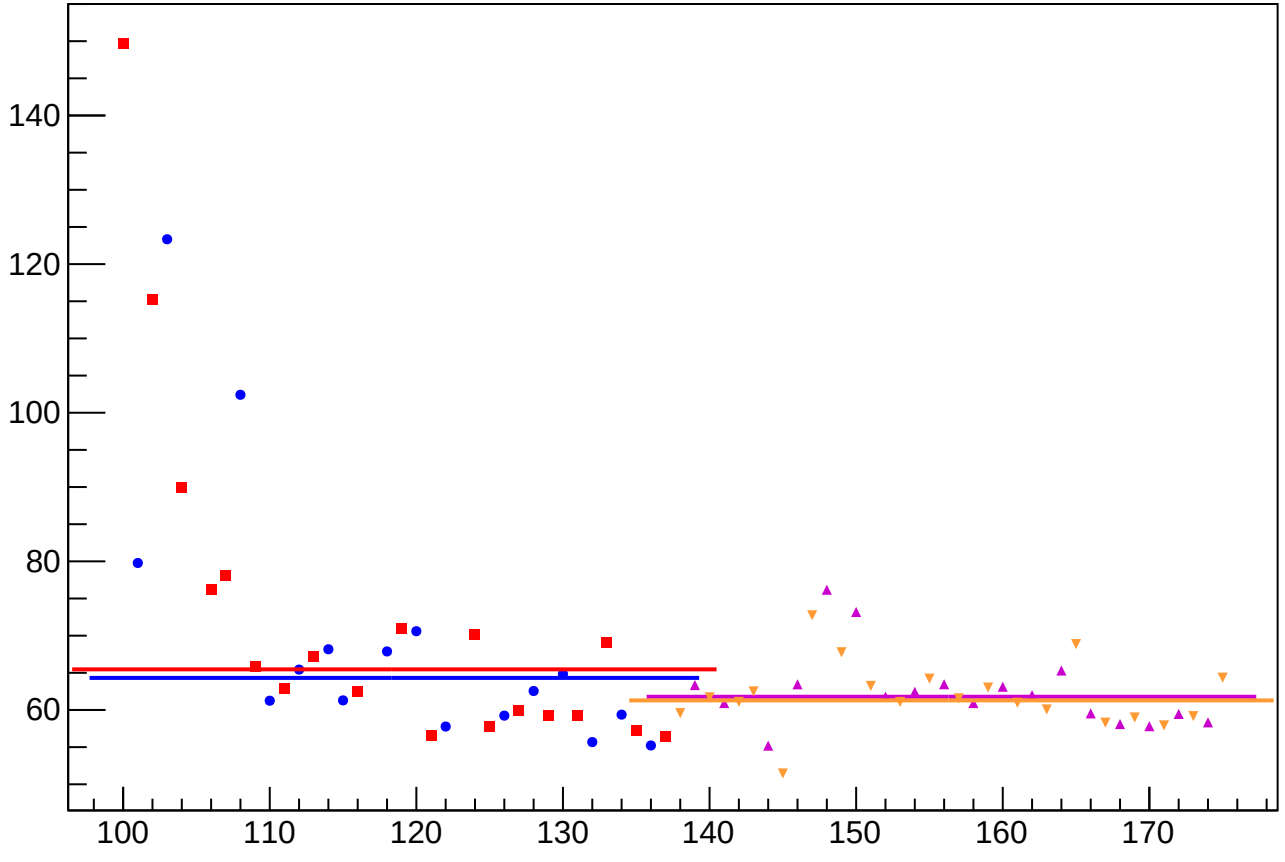
Left In: 109.187+/-16.119 χ^2/NDF:16.1/17

\+ sign -52.761+/-13.067 χ^2/NDF: 79.5/35

All: 10.769+/-9.381 χ^2/NDF: 176.9/72

\- sign 78.350+/-13.477 χ^2/NDF: 48.6/36

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.288+/-0.011 χ^2/NDF:156322.9/19

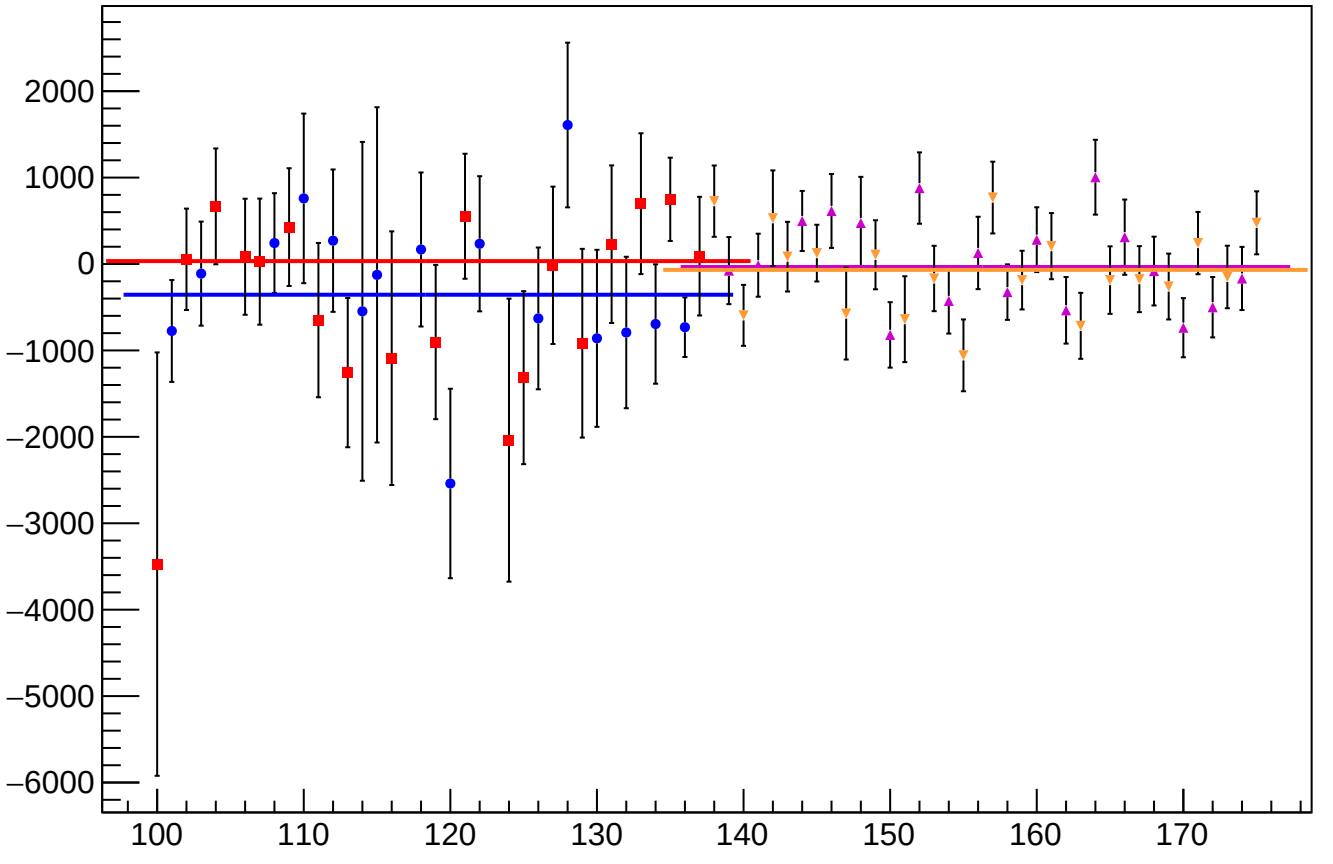
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 61.780+/-0.011 χ^2/NDF:161554.1/17

+ sign 62.151+/-0.009 χ^2/NDF: 710288.3/35

All: 62.509+/-0.007 χ^2/NDF: 1388777.7/72

- sign 62.889+/-0.010 χ^2/NDF: 675398.6/36



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -68.148+/-87.516 χ^2/NDF:26.8/19

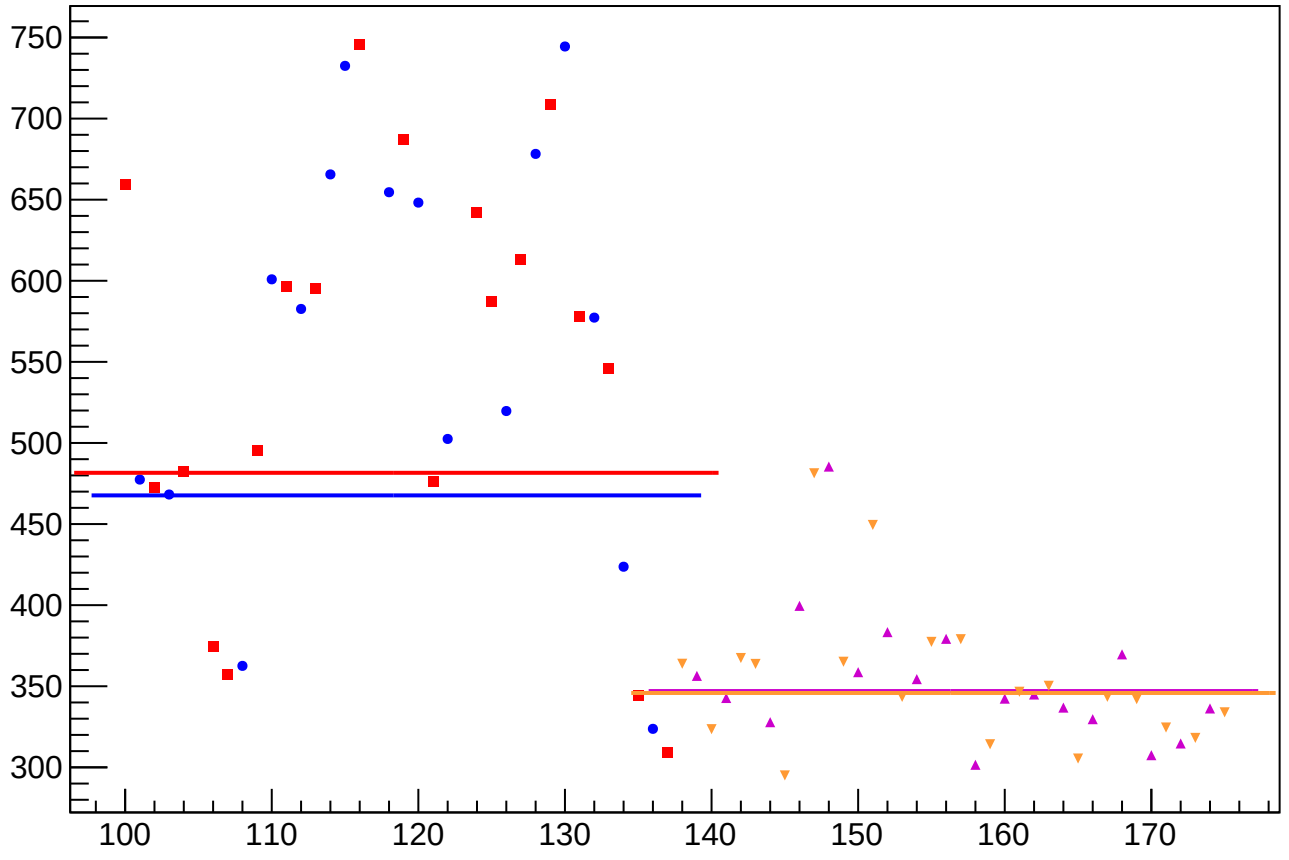
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -34.868+/-90.677 χ^2/NDF:31.7/17

+ sign -122.928+/-78.734 χ^2/NDF: 43.6/35

All: -73.565+/-56.499 χ^2/NDF: 91.7/72

- sign -21.162+/-81.122 χ^2/NDF: 47.2/36



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 345.858+/-0.062 χ^2/NDF:372712.6/19

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

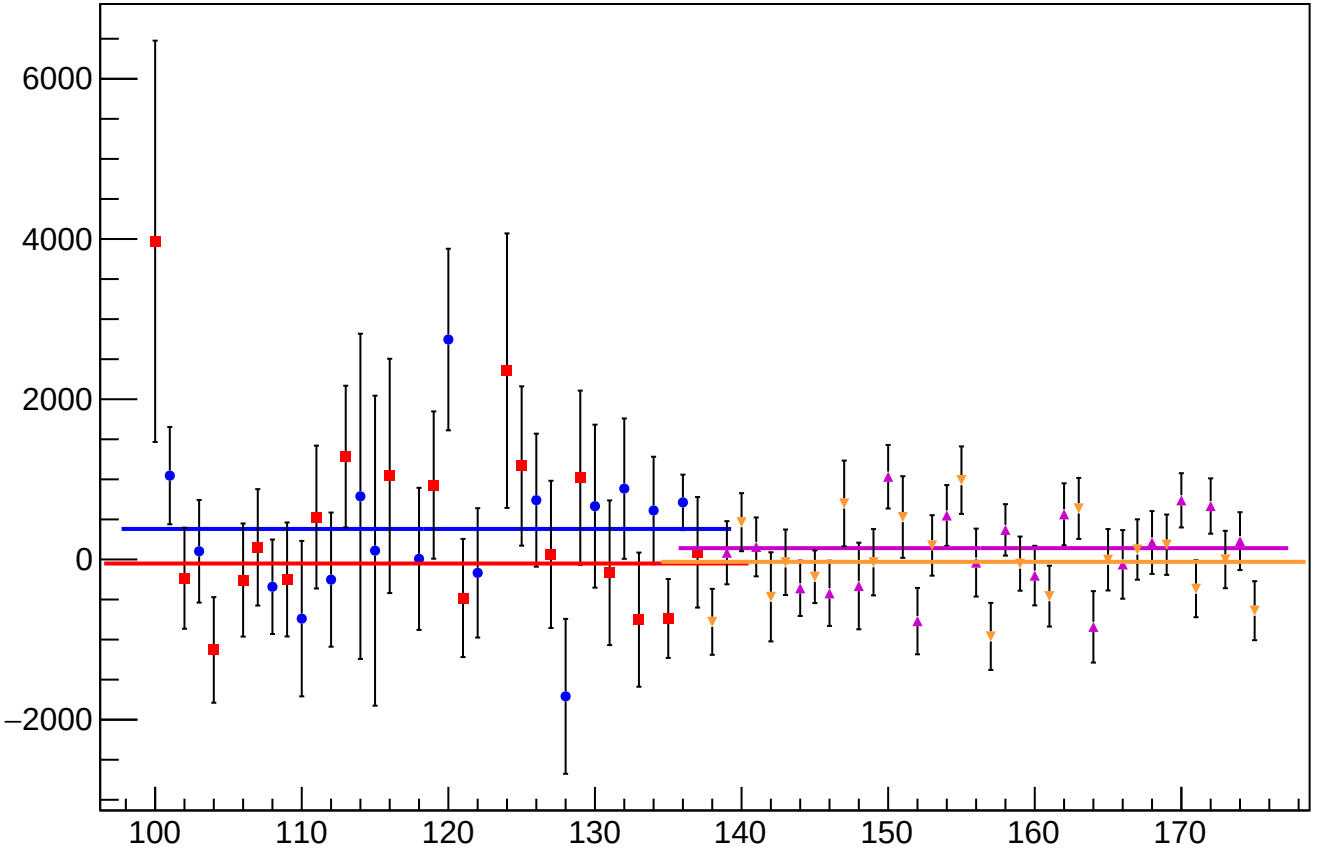
Left In: 347.035+/-0.064 χ^2/NDF:298606.0/17

+ sign 369.079+/-0.056 χ^2/NDF: 2097297.2/35

All: 371.416+/-0.040 χ^2/NDF: 4133111.6/72

- sign 373.898+/-0.057 χ^2/NDF: 2032178.6/36

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -29.624+/-87.672 χ^2/NDF:28.8/19

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

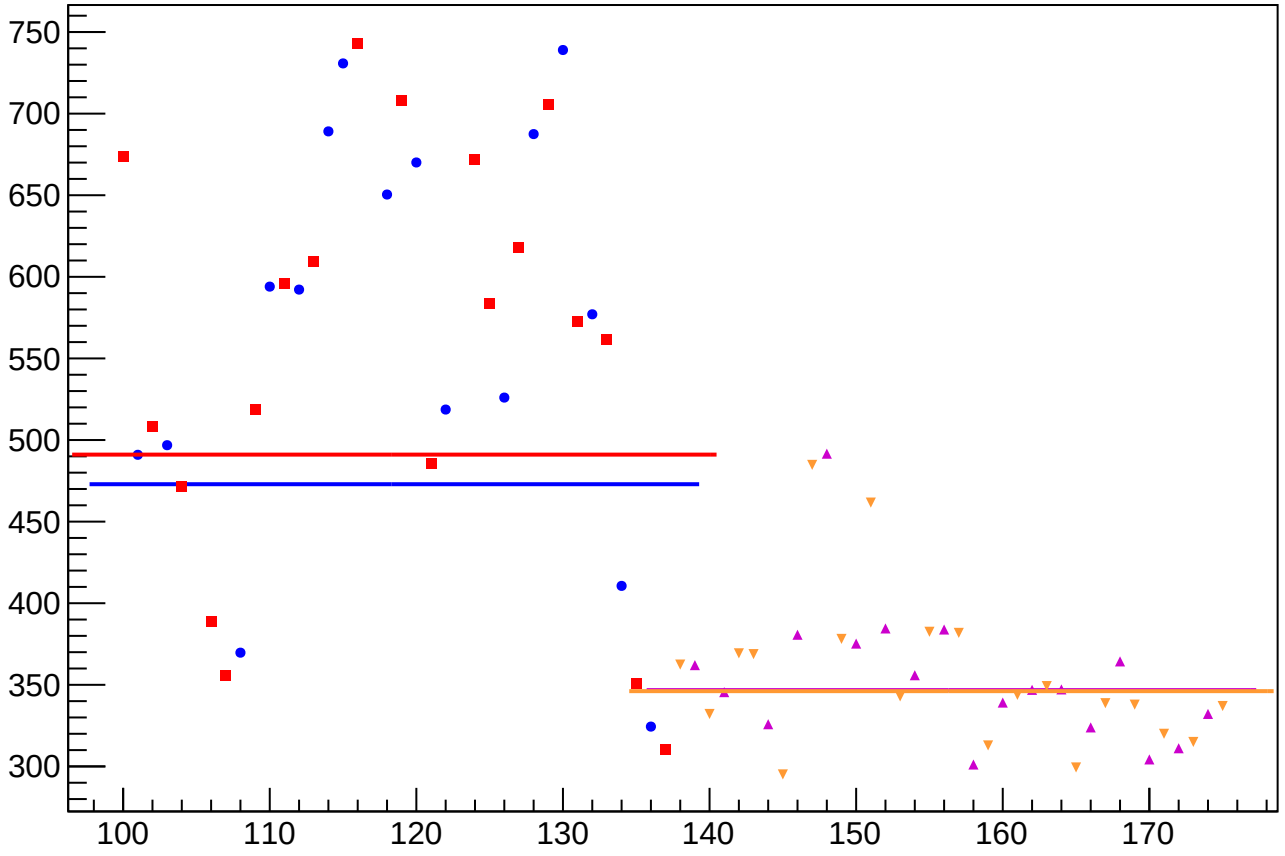
Left In: 141.119+/-90.641 χ^2/NDF:29.2/17

+ sign 47.280+/-79.039 χ^2/NDF: 49.0/35

All: 74.862+/-56.712 χ^2/NDF: 96.8/72

- sign 104.130+/-81.419 χ^2/NDF: 47.5/36

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 346.125+/-0.062 χ^2/NDF:420759.2/19

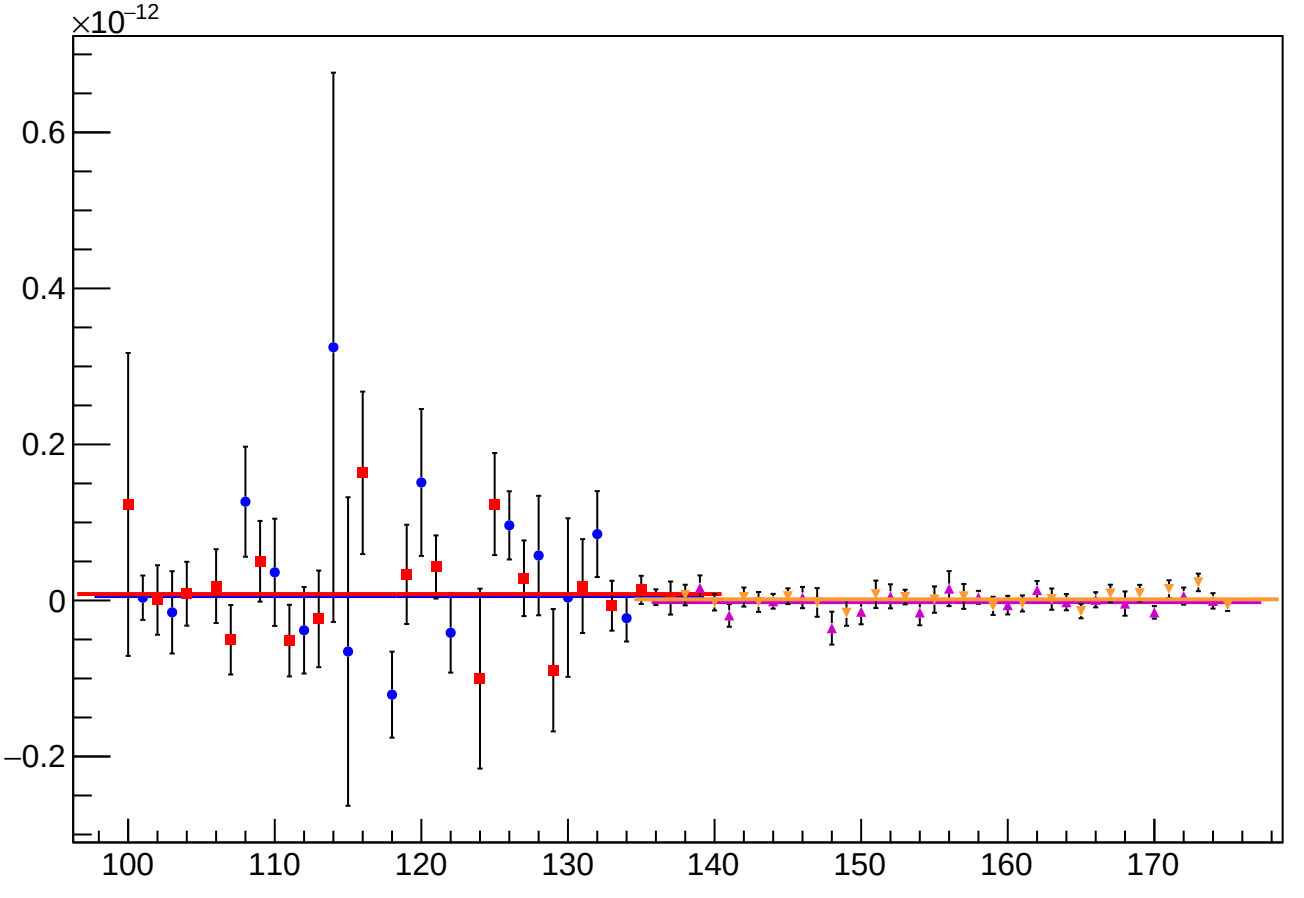
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 346.772+/-0.064 χ^2/NDF:318345.2/17

+ sign 369.868+/-0.056 χ^2/NDF: 2204388.2/35

All: 372.184+/-0.040 χ^2/NDF: 4352646.0/72

- sign 374.641+/-0.058 χ^2/NDF: 2144718.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/19

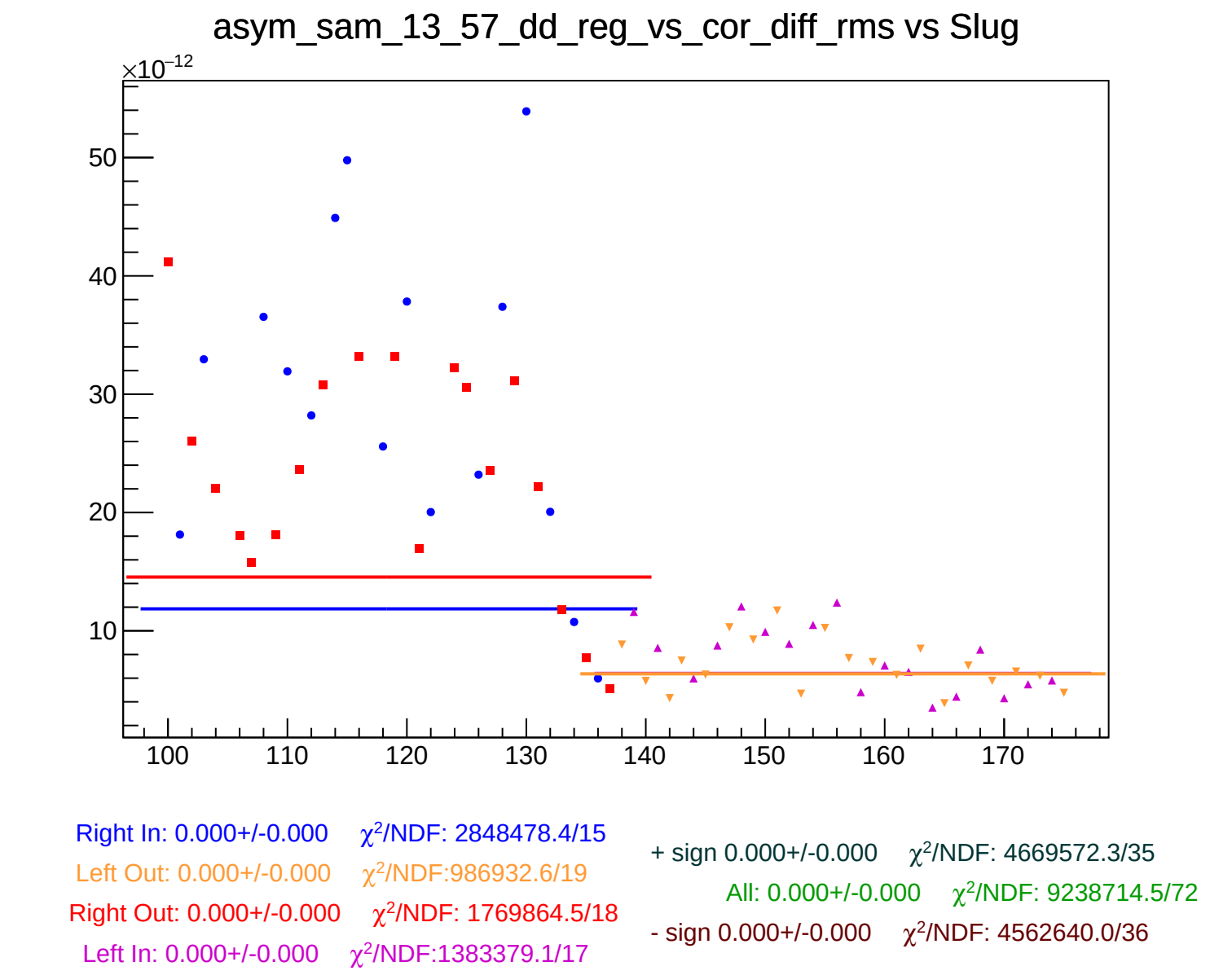
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 33.9/35

All: 0.000+/-0.000 χ^2/NDF: 62.8/72

- sign -0.000+/-0.000 χ^2/NDF: 28.2/36


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
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100
110
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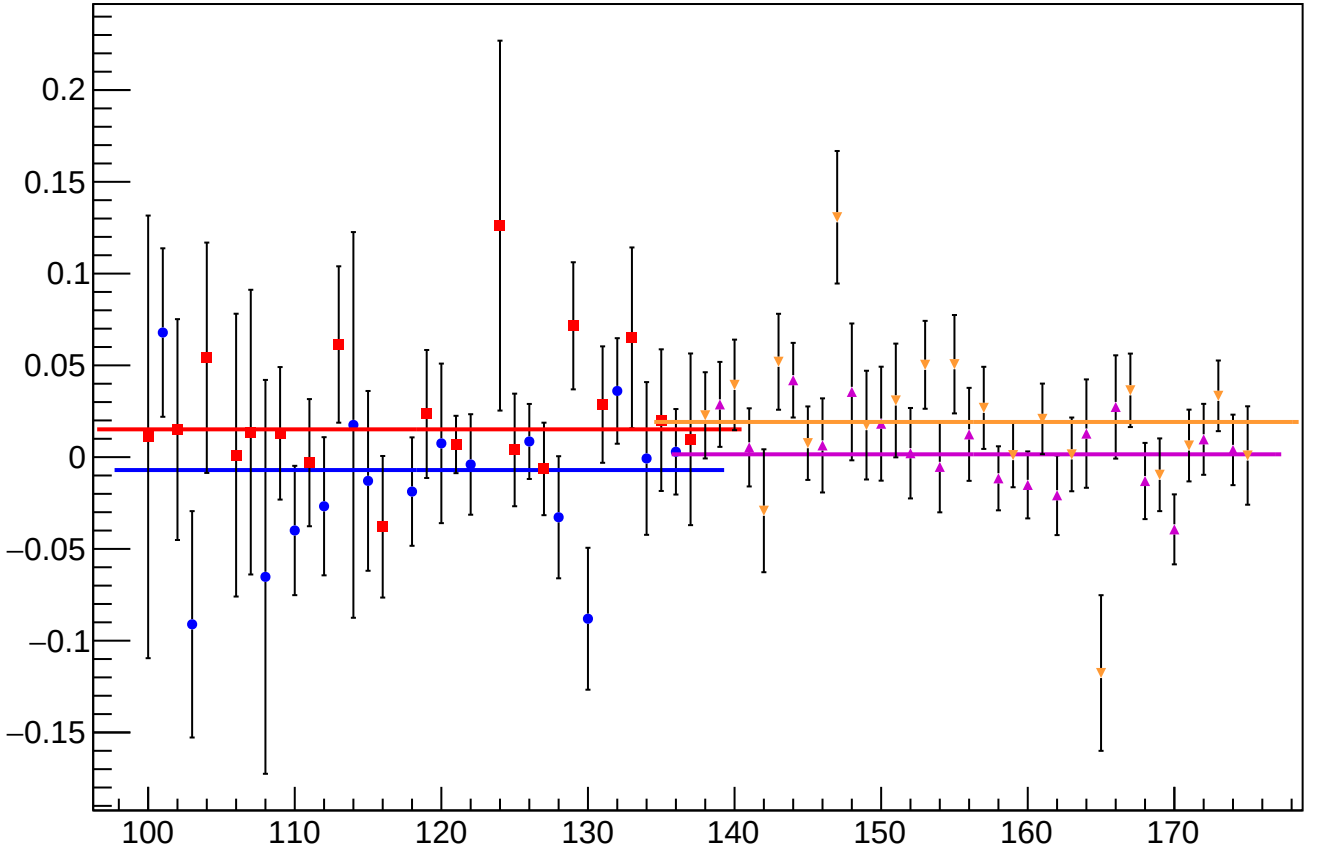
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:986932.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:1383379.1/17
+ sign 0.000+/-0.000 χ²/NDF: 4669572.3/35
All: 0.000+/-0.000 χ²/NDF: 9238714.5/72
- sign 0.000+/-0.000 χ²/NDF: 4562640.0/36

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:34.1/19

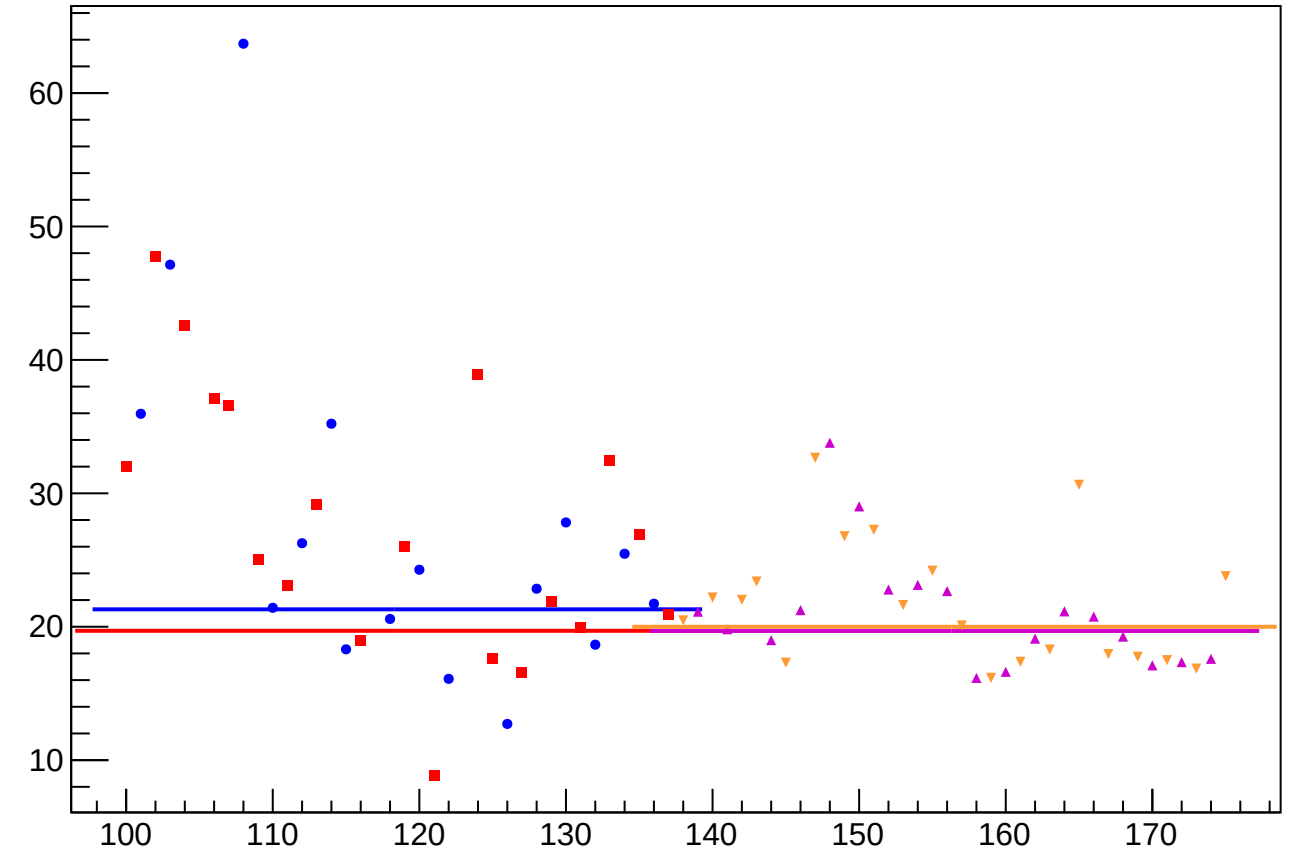
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.002+/-0.005 χ^2/NDF:15.5/17

+ sign 0.012+/-0.004 χ^2/NDF: 55.2/35

All: 0.009+/-0.003 χ^2/NDF: 83.9/72

- sign 0.006+/-0.004 χ^2/NDF: 27.5/36



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 19.997+/-0.004 χ^2/NDF:1058807.4/19

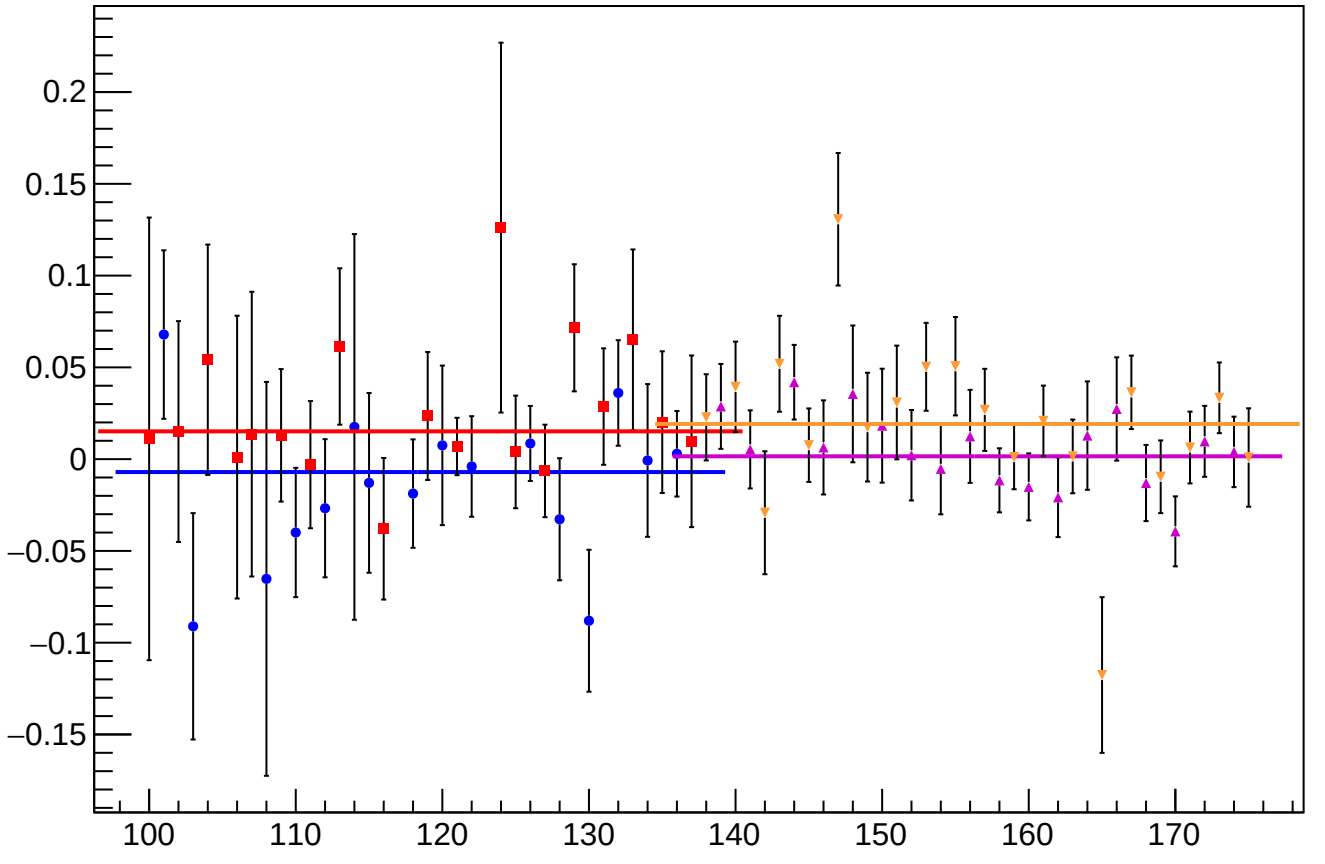
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.684+/-0.004 χ^2/NDF:820727.1/17

+ sign 20.345+/-0.003 χ^2/NDF: 2572007.5/35

All: 20.016+/-0.002 χ^2/NDF: 5853549.6/72

- sign 19.688+/-0.003 χ^2/NDF: 3259709.7/36



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:34.1/19

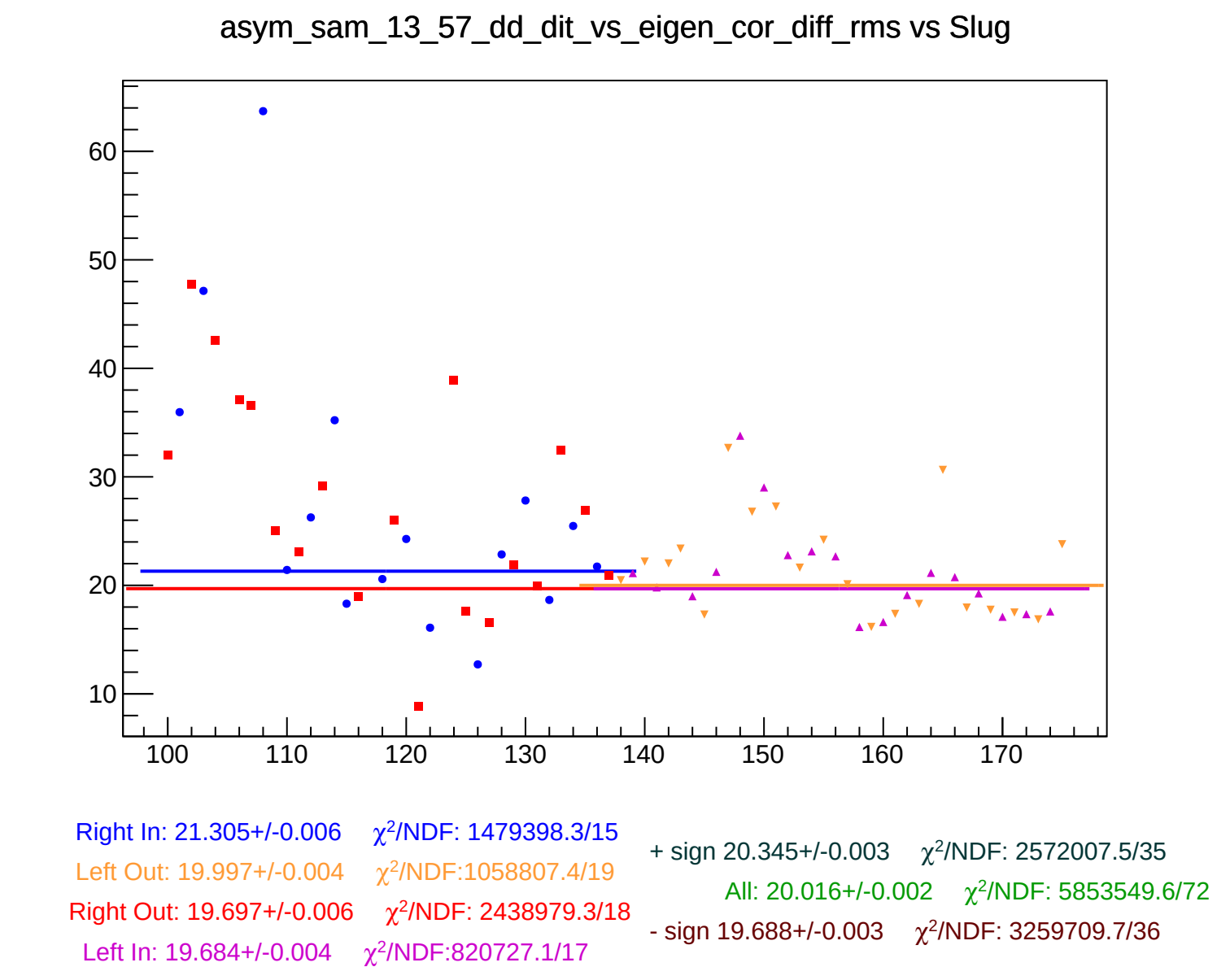
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.002+/-0.005 χ^2/NDF:15.5/17

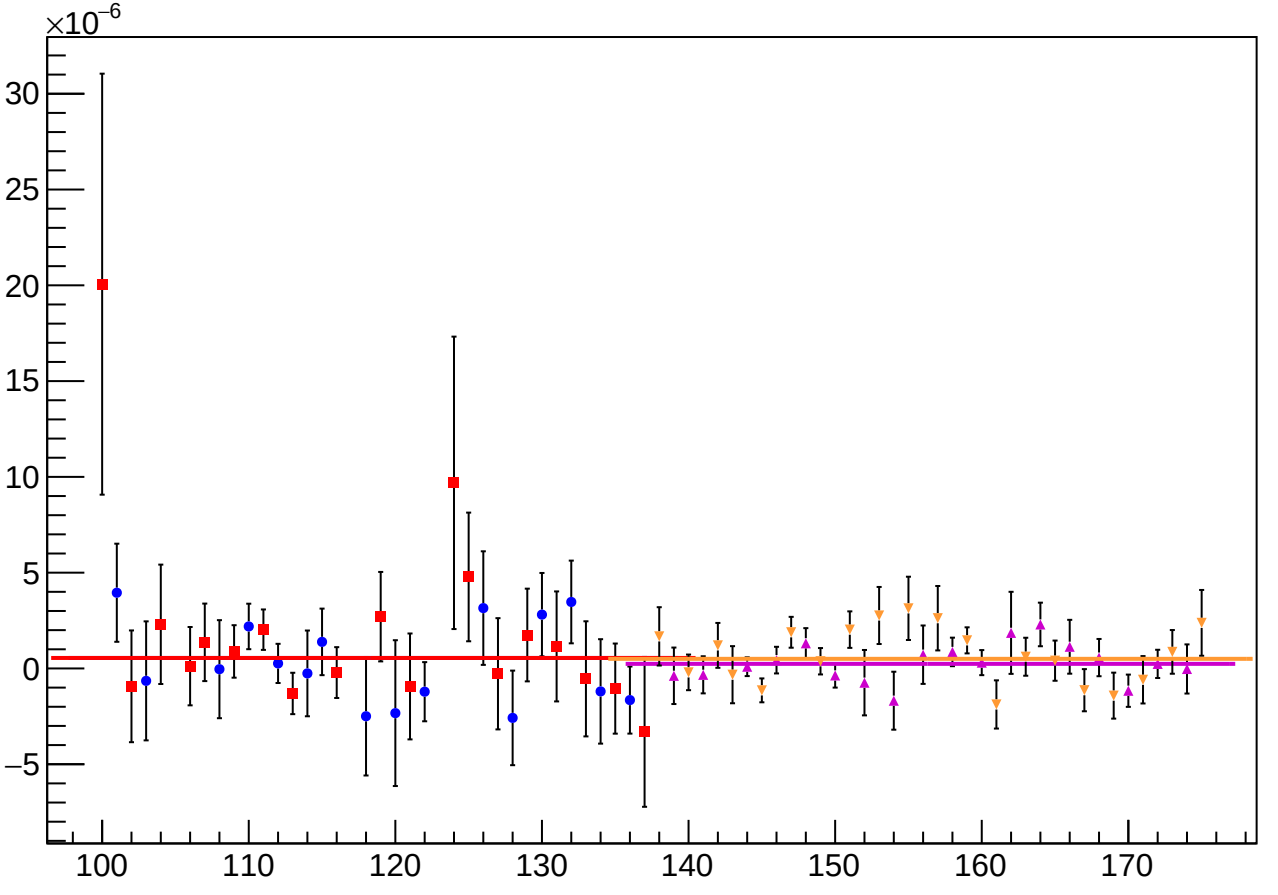
+ sign 0.012+/-0.004 χ^2/NDF: 55.2/35

All: 0.009+/-0.003 χ^2/NDF: 83.9/72

- sign 0.006+/-0.004 χ^2/NDF: 27.5/36


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 19.997+/-0.004 χ²/NDF:1058807.4/19
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 19.684+/-0.004 χ²/NDF:820727.1/17
+ sign 20.345+/-0.003 χ²/NDF: 2572007.5/35
All: 20.016+/-0.002 χ²/NDF: 5853549.6/72
- sign 19.688+/-0.003 χ²/NDF: 3259709.7/36

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/19

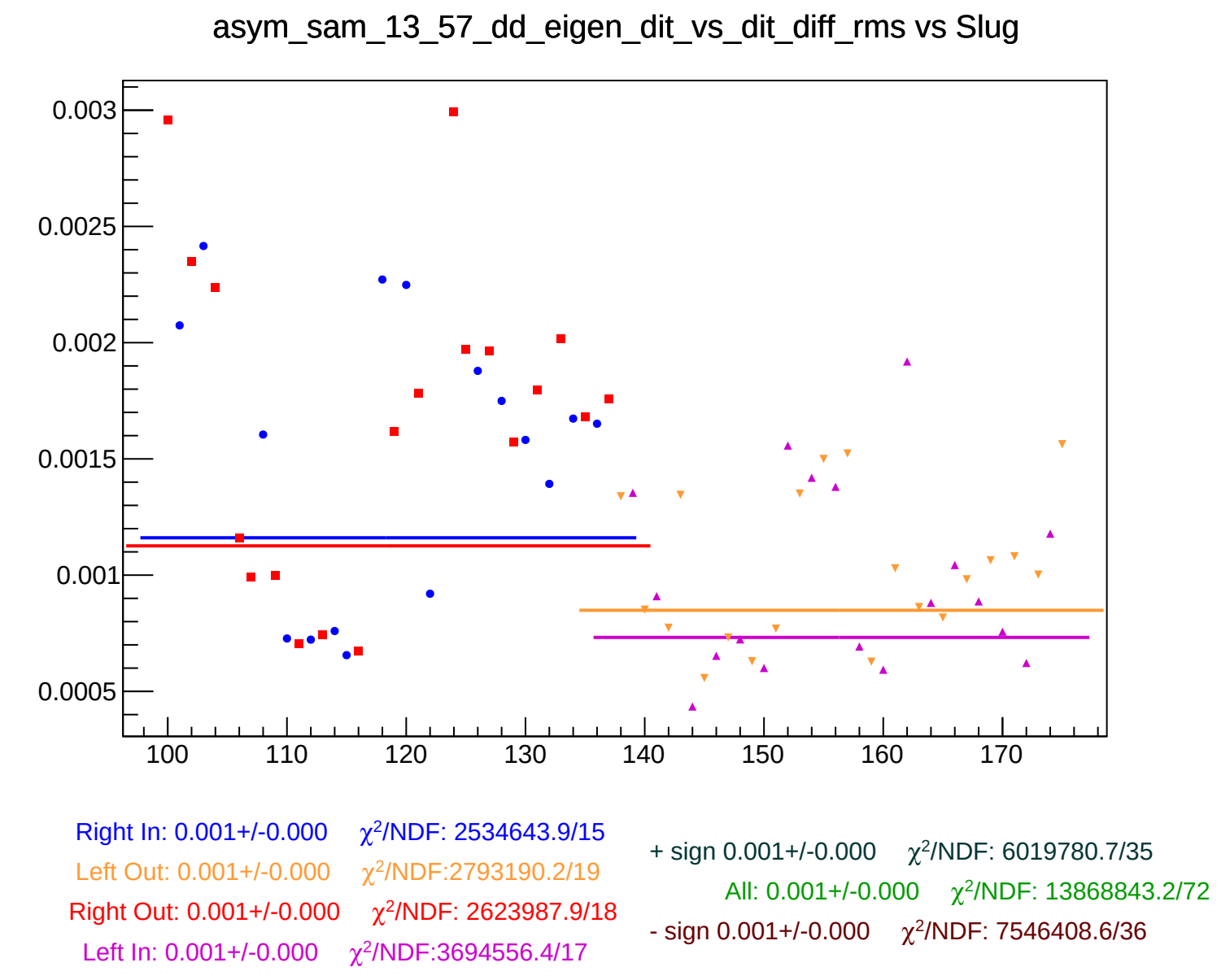
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

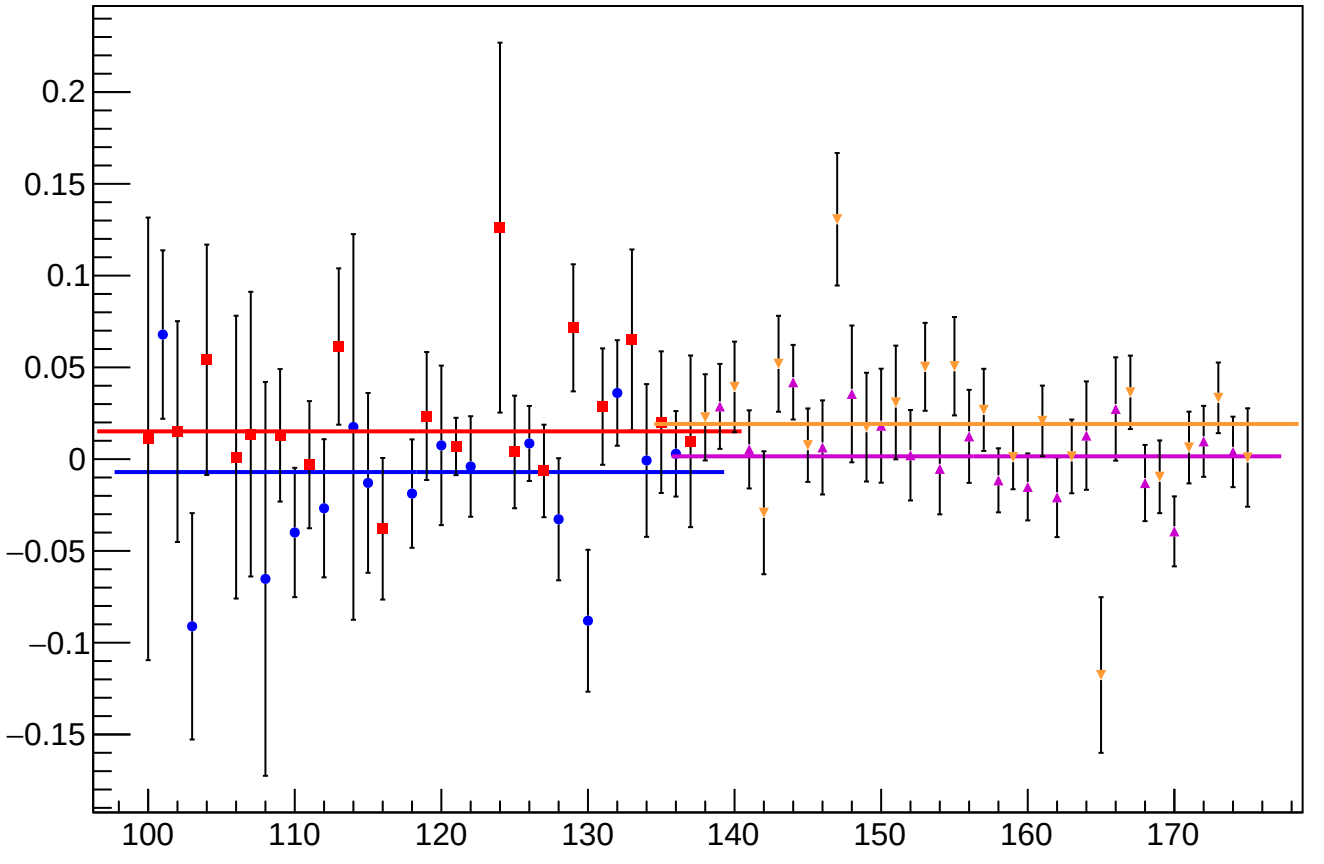
Left In: 0.000+/-0.000 χ^2/NDF:13.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 47.7/35

All: 0.000+/-0.000 χ^2/NDF: 77.4/72

- sign 0.000+/-0.000 χ^2/NDF: 29.1/36


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2793190.2/19
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:3694556.4/17
+ sign 0.001+/-0.000 χ²/NDF: 6019780.7/35
All: 0.001+/-0.000 χ²/NDF: 13868843.2/72
- sign 0.001+/-0.000 χ²/NDF: 7546408.6/36



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:34.1/19

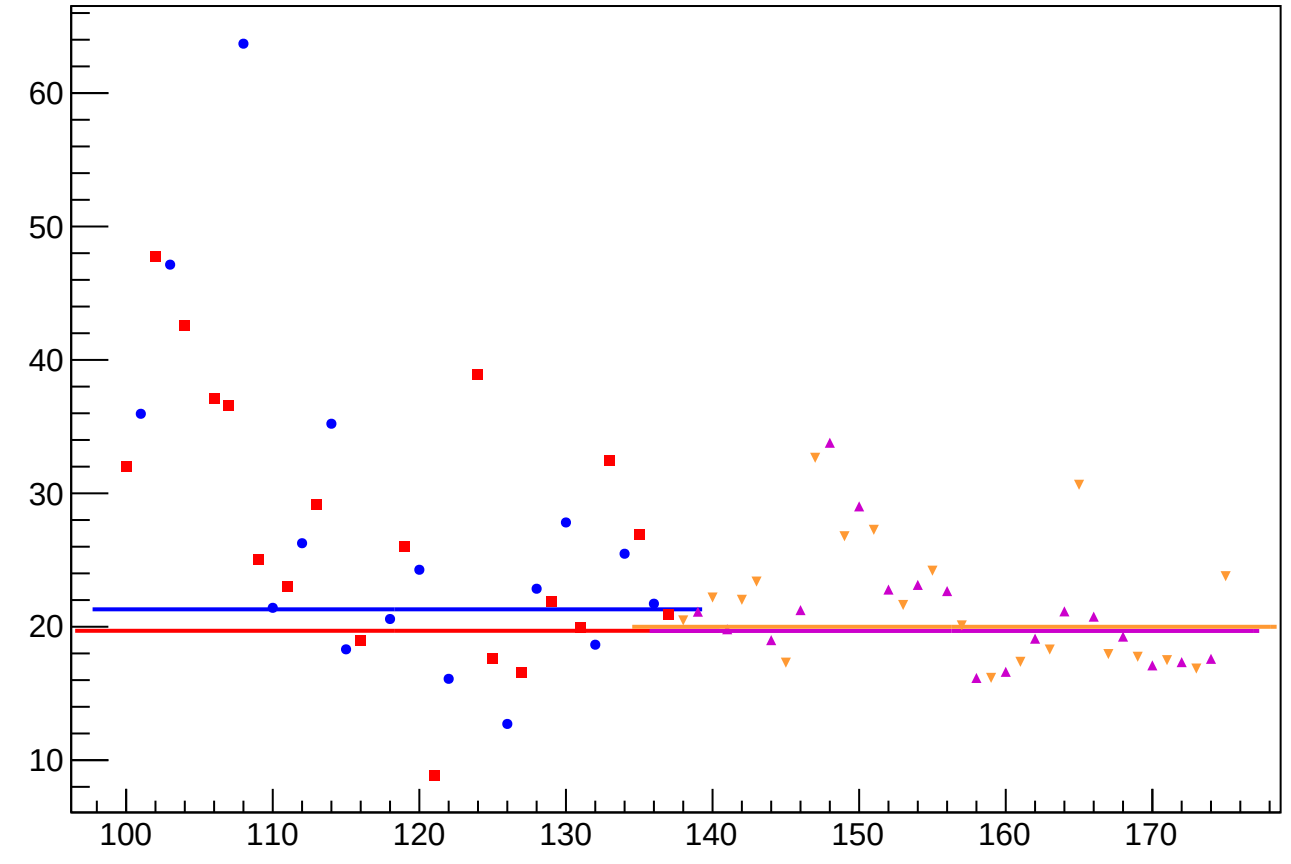
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.002+/-0.005 χ^2/NDF:15.5/17

+ sign 0.012+/-0.004 χ^2/NDF: 55.2/35

All: 0.009+/-0.003 χ^2/NDF: 83.9/72

- sign 0.006+/-0.004 χ^2/NDF: 27.5/36



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 19.997+/-0.004 χ^2/NDF:1058927.5/19

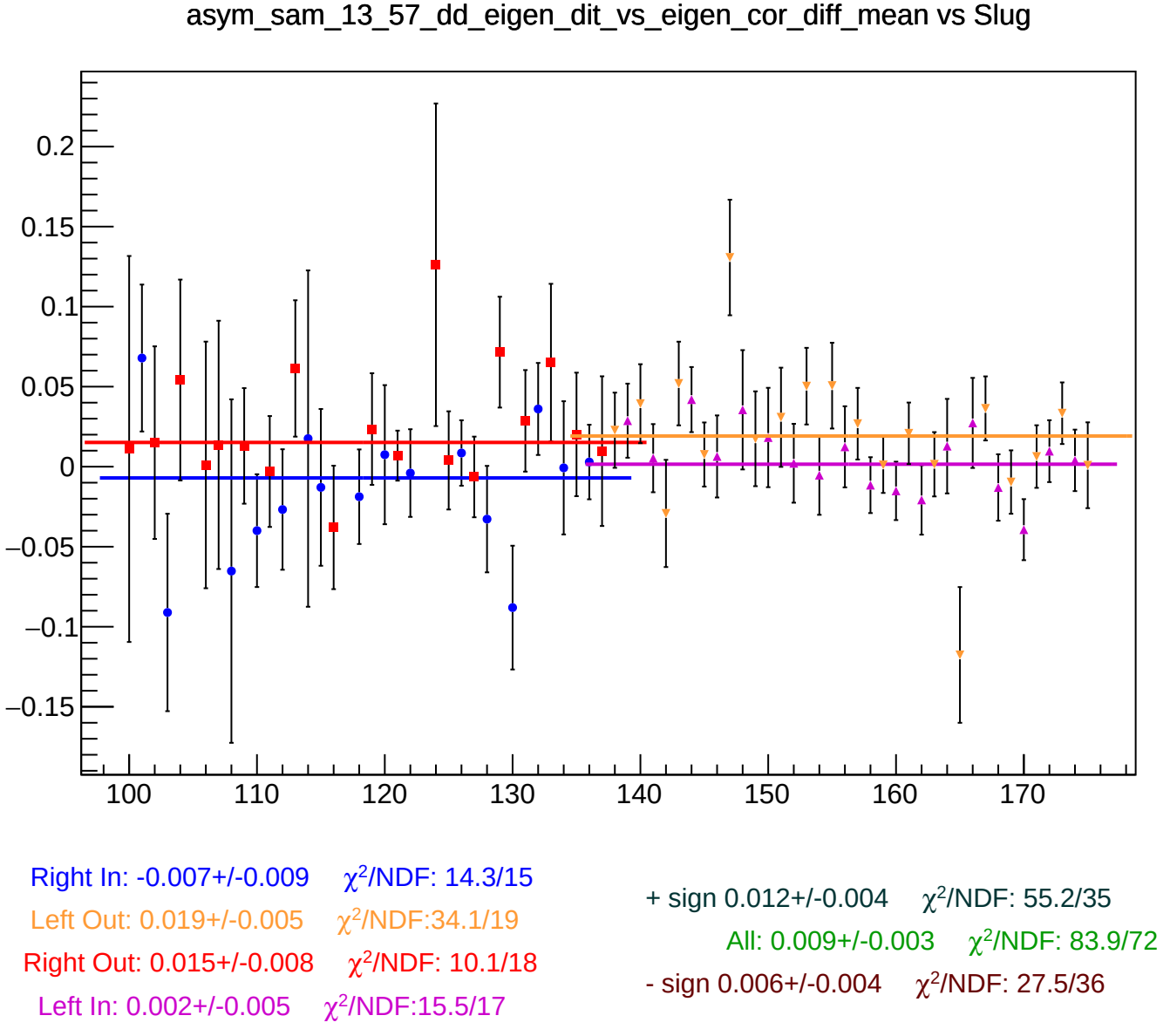
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

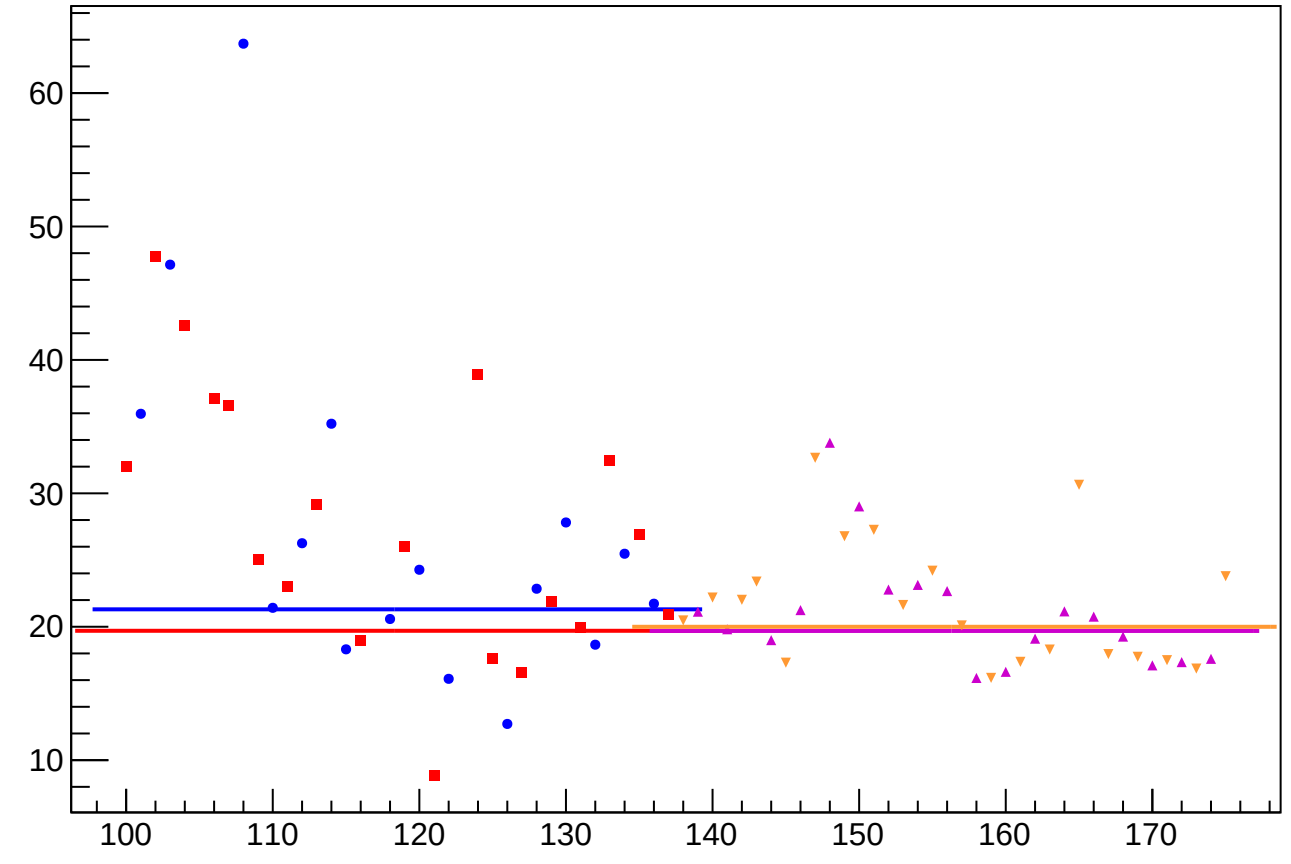
Left In: 19.684+/-0.004 χ^2/NDF:820793.9/17

\+ sign 20.345+/-0.003 χ^2/NDF: 2571976.4/35

All: 20.016+/-0.002 χ^2/NDF: 5853207.3/72

\- sign 19.688+/-0.003 χ^2/NDF: 3259409.9/36


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
170
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.019+/-0.005 χ²/NDF:34.1/19
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.002+/-0.005 χ²/NDF:15.5/17
+ sign 0.012+/-0.004 χ²/NDF: 55.2/35
All: 0.009+/-0.003 χ²/NDF: 83.9/72
- sign 0.006+/-0.004 χ²/NDF: 27.5/36



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 19.997+/-0.004 χ^2/NDF:1058927.5/19

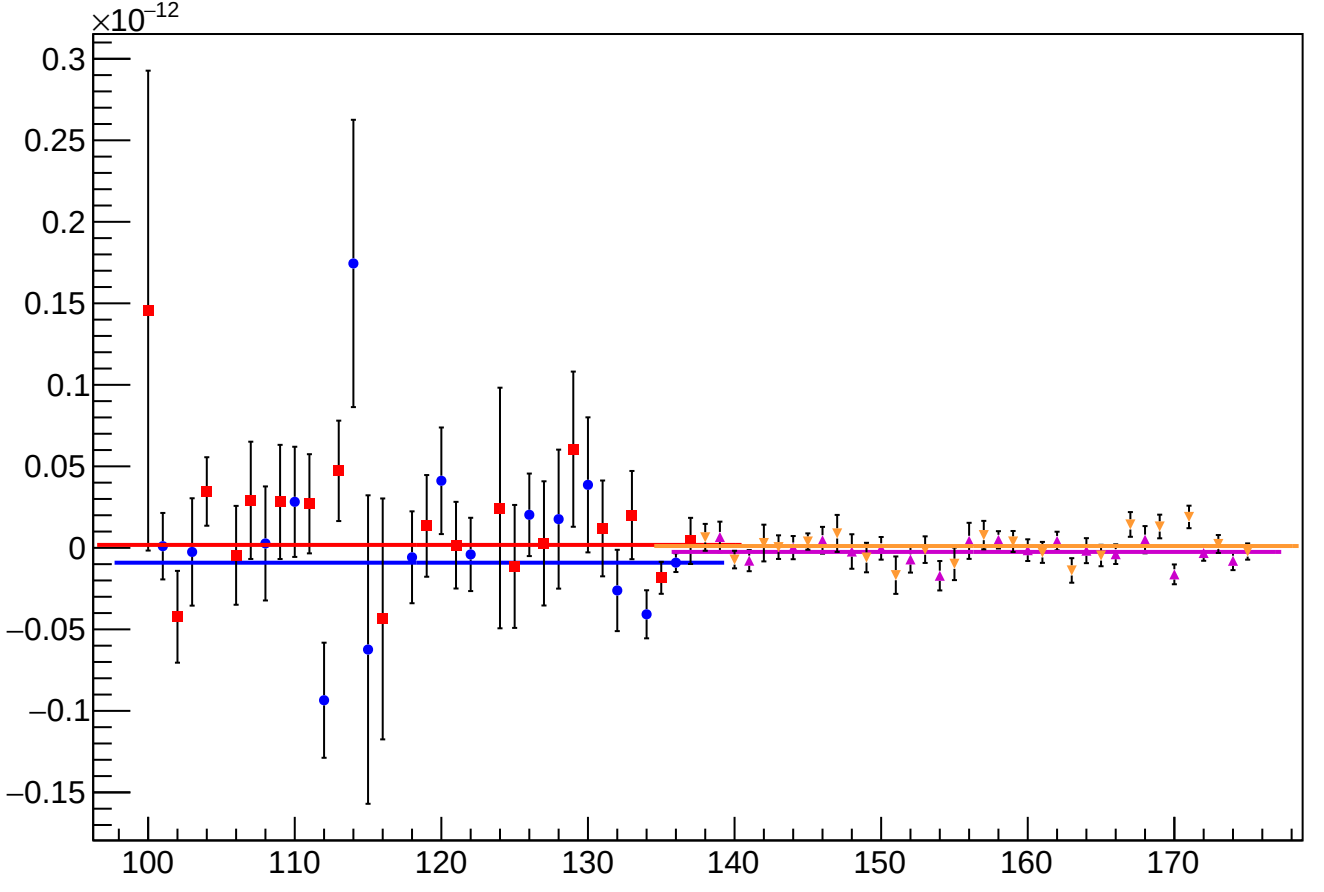
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.684+/-0.004 χ^2/NDF:820793.9/17

+ sign 20.345+/-0.003 χ^2/NDF: 2571976.4/35

All: 20.016+/-0.002 χ^2/NDF: 5853207.3/72

- sign 19.688+/-0.003 χ^2/NDF: 3259409.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.7/19

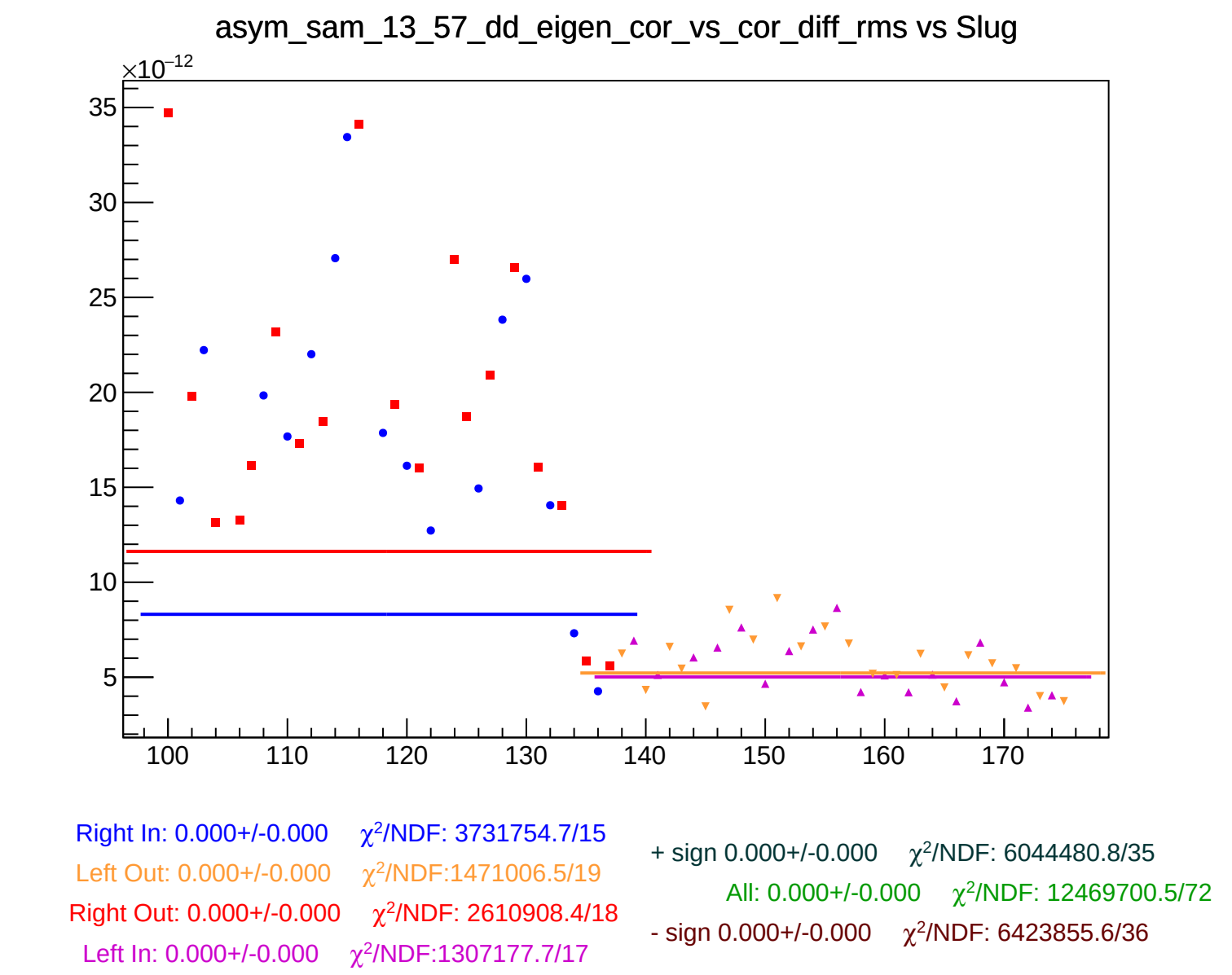
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 53.9/35

All: -0.000+/-0.000 χ^2/NDF: 88.7/72

- sign -0.000+/-0.000 χ^2/NDF: 33.7/36


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
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25
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15
10
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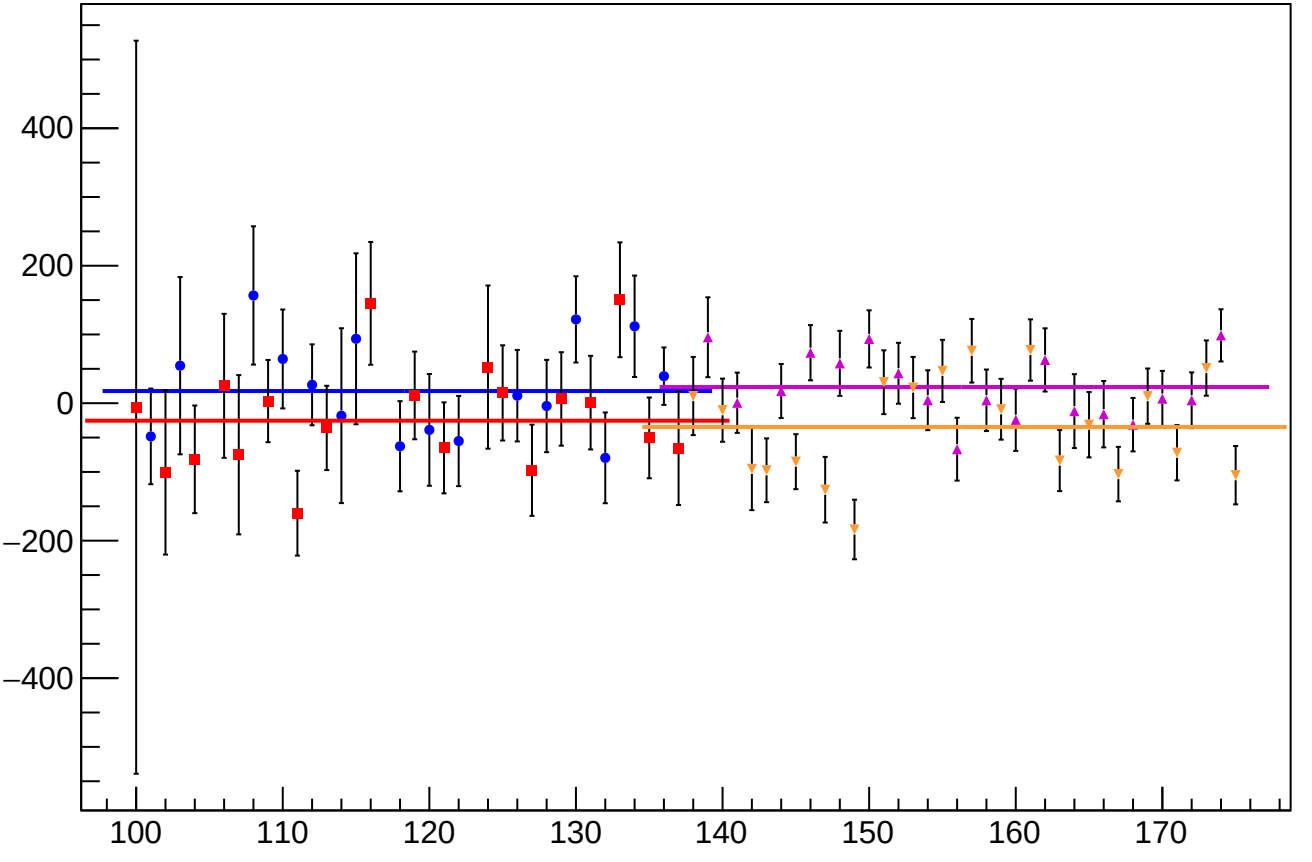
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1471006.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:1307177.7/17
+ sign 0.000+/-0.000 χ²/NDF: 6044480.8/35
All: 0.000+/-0.000 χ²/NDF: 12469700.5/72
- sign 0.000+/-0.000 χ²/NDF: 6423855.6/36

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -34.552+/-9.973 χ^2/NDF:53.7/19

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

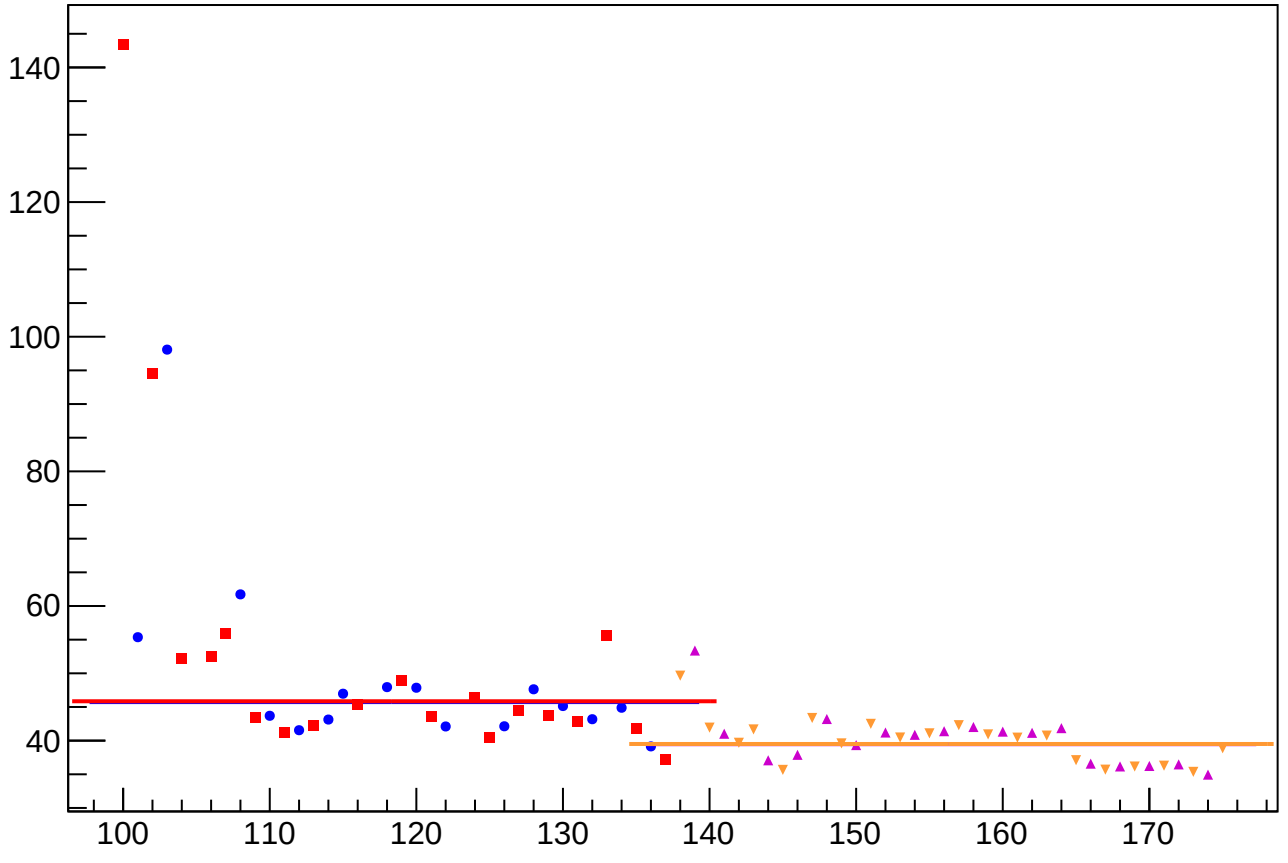
Left In: 23.517+/-10.296 χ^2/NDF:20.5/17

+ sign -21.709+/-8.661 χ^2/NDF: 74.4/35

All: -5.833+/-6.191 χ^2/NDF: 125.5/72

- sign 10.752+/-8.852 χ^2/NDF: 44.2/36

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.504+/-0.007 χ^2/NDF:200846.7/19

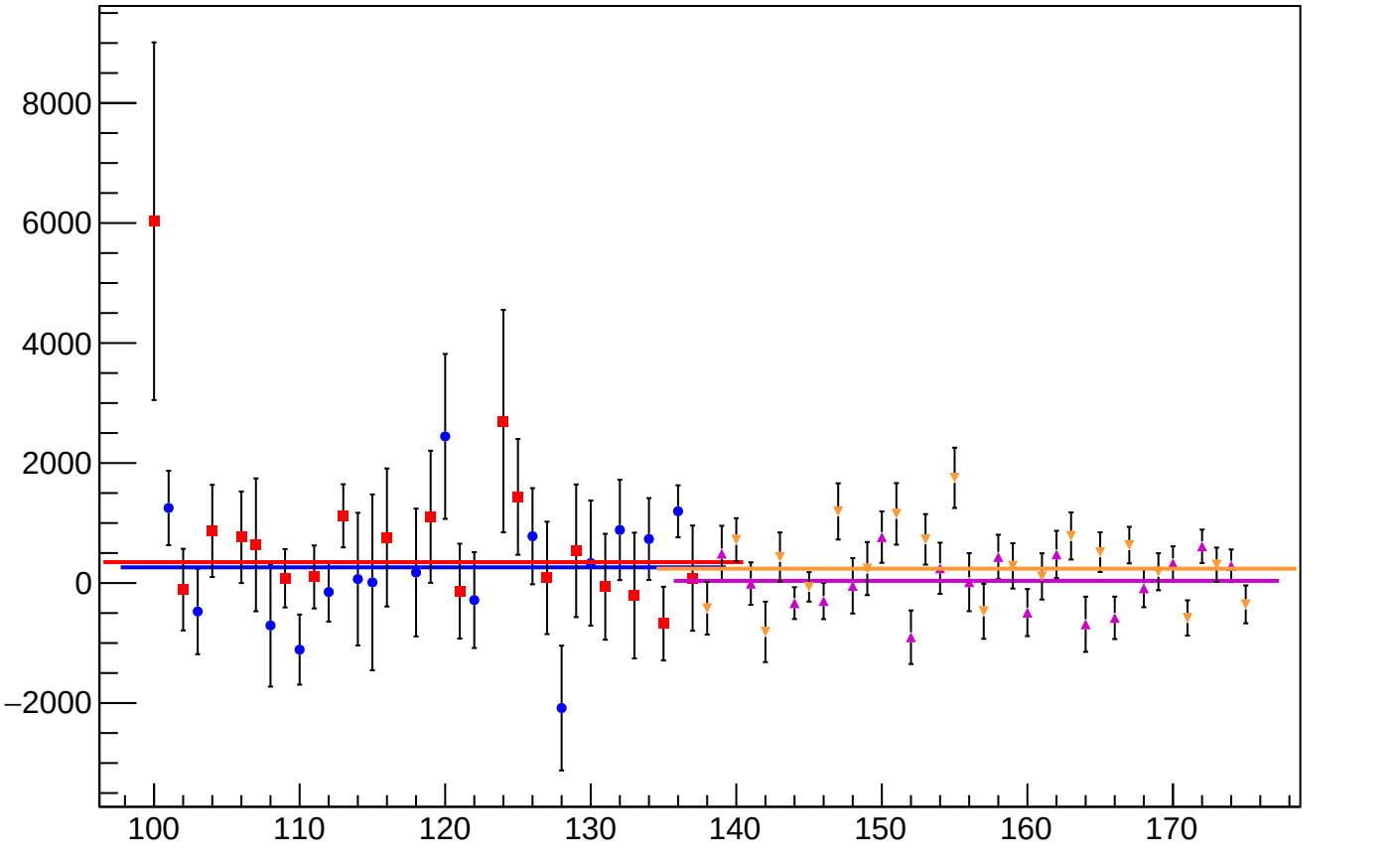
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 39.472+/-0.007 χ^2/NDF:239078.6/17

+ sign 41.033+/-0.006 χ^2/NDF: 893709.1/35

All: 41.083+/-0.004 χ^2/NDF: 1873151.4/72

- sign 41.135+/-0.006 χ^2/NDF: 979308.2/36



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 239.649+/-81.128 χ^2/NDF:46.2/19

Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

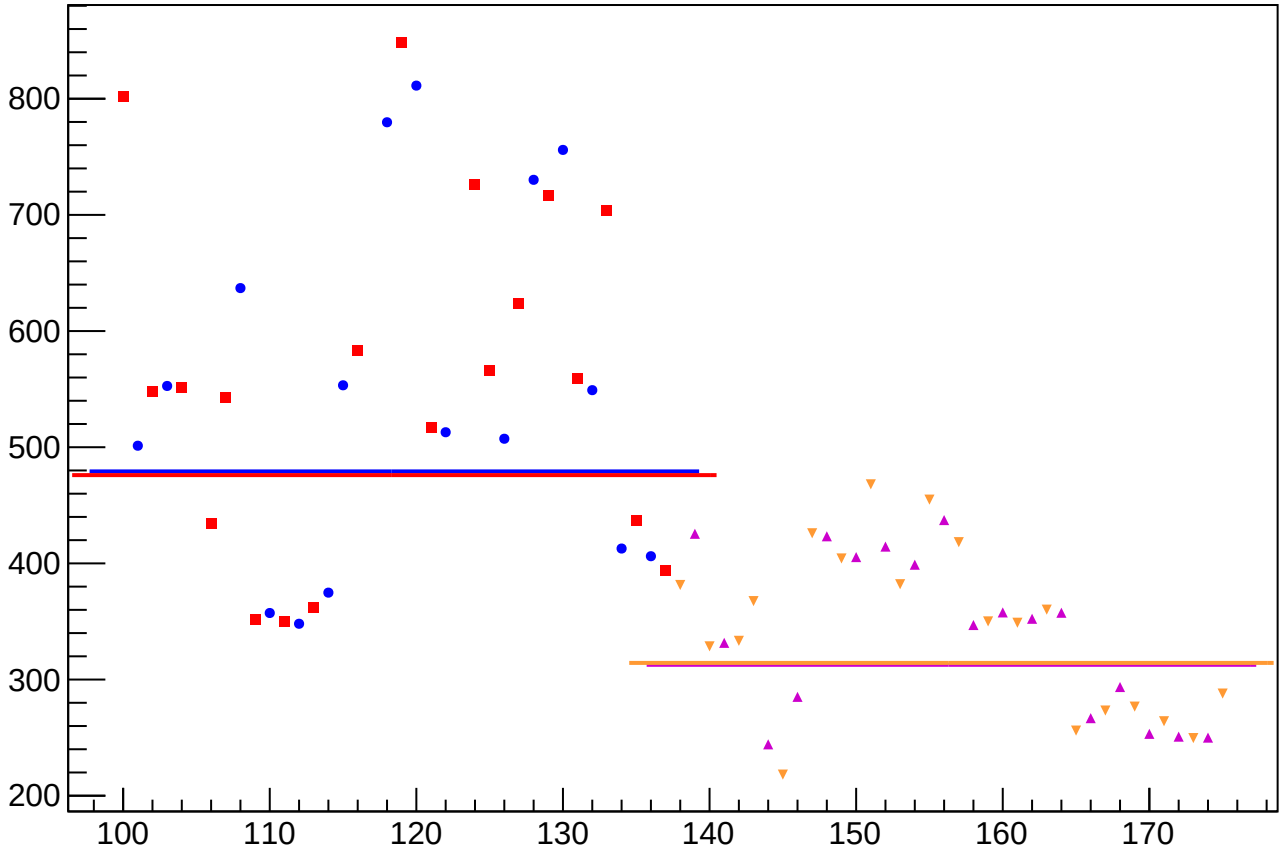
Left In: 36.110+/-83.133 χ^2/NDF:27.9/17

+ sign 243.238+/-74.312 χ^2/NDF: 71.2/35

All: 168.211+/-52.969 χ^2/NDF: 118.5/72

- sign 90.720+/-75.522 χ^2/NDF: 45.3/36

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 314.330+/-0.057 χ^2/NDF:1445733.3/19

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

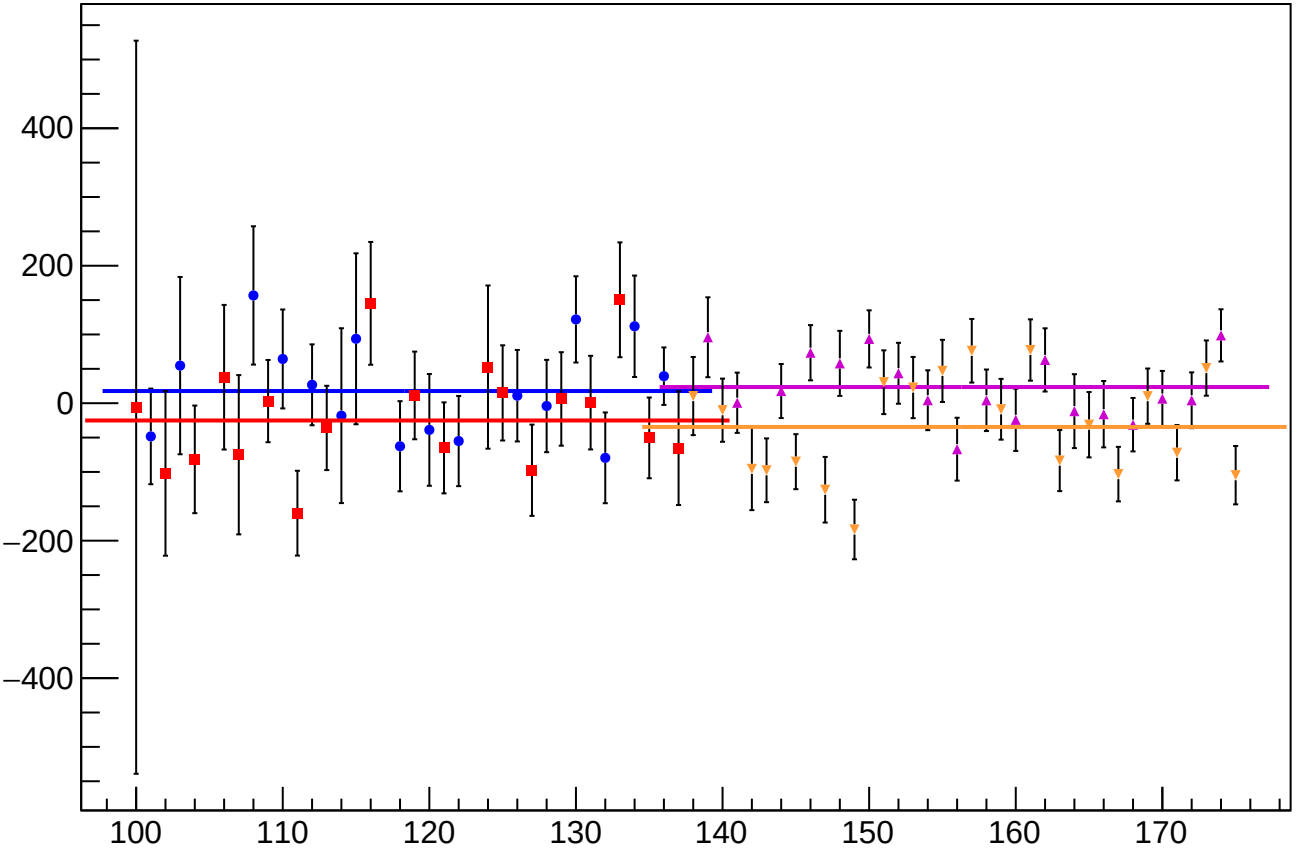
Left In: 312.688+/-0.059 χ^2/NDF:1218205.8/17

\+ sign 340.868+/-0.053 χ^2/NDF: 3727751.6/35

All: 341.041+/-0.037 χ^2/NDF: 7300812.9/72

\- sign 341.219+/-0.053 χ^2/NDF: 3573039.4/36

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -34.553+/-9.973 χ^2/NDF:53.7/19

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

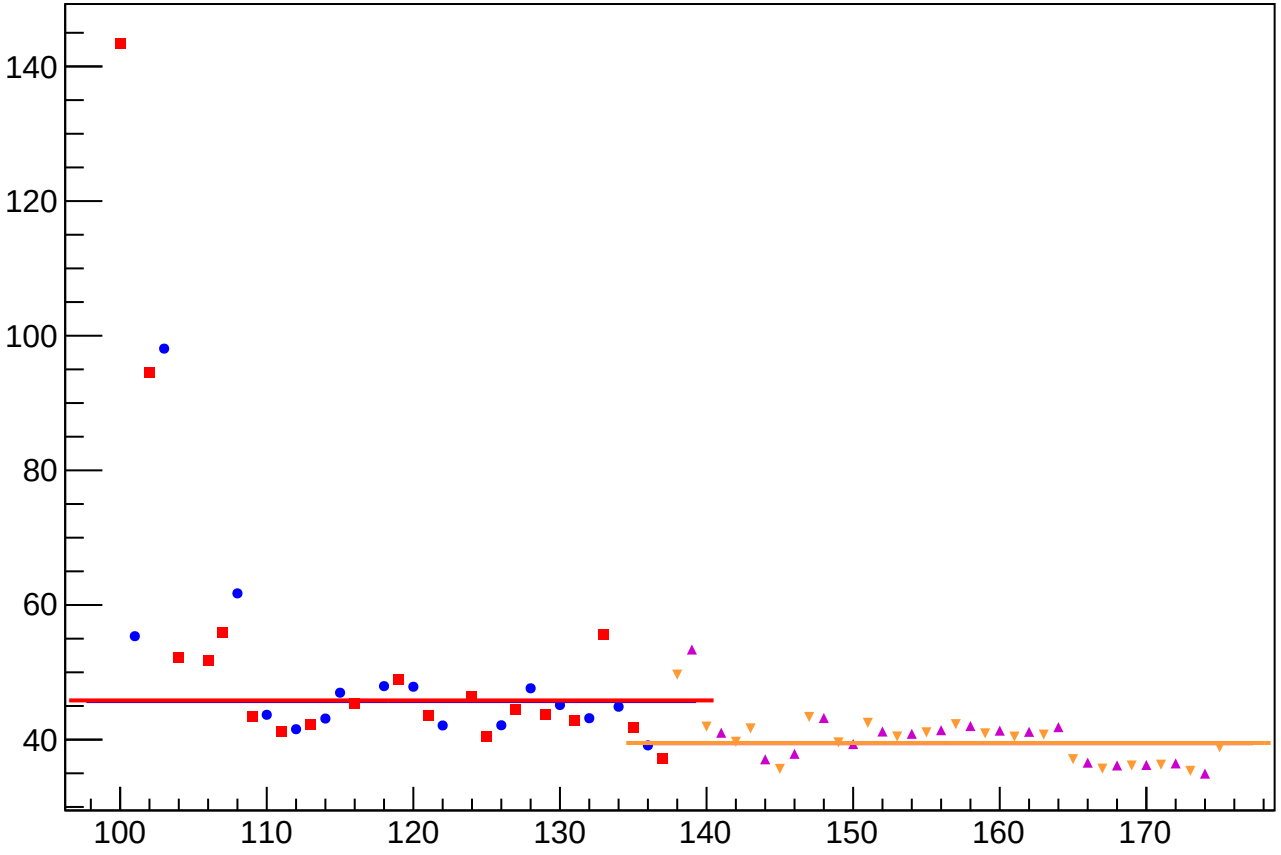
Left In: 23.516+/-10.296 χ^2/NDF:20.5/17

+ sign -21.708+/-8.661 χ^2/NDF: 74.4/35

All: -5.794+/-6.191 χ^2/NDF: 125.6/72

- sign 10.832+/-8.853 χ^2/NDF: 44.3/36

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.504+/-0.007 χ^2/NDF:200846.7/19

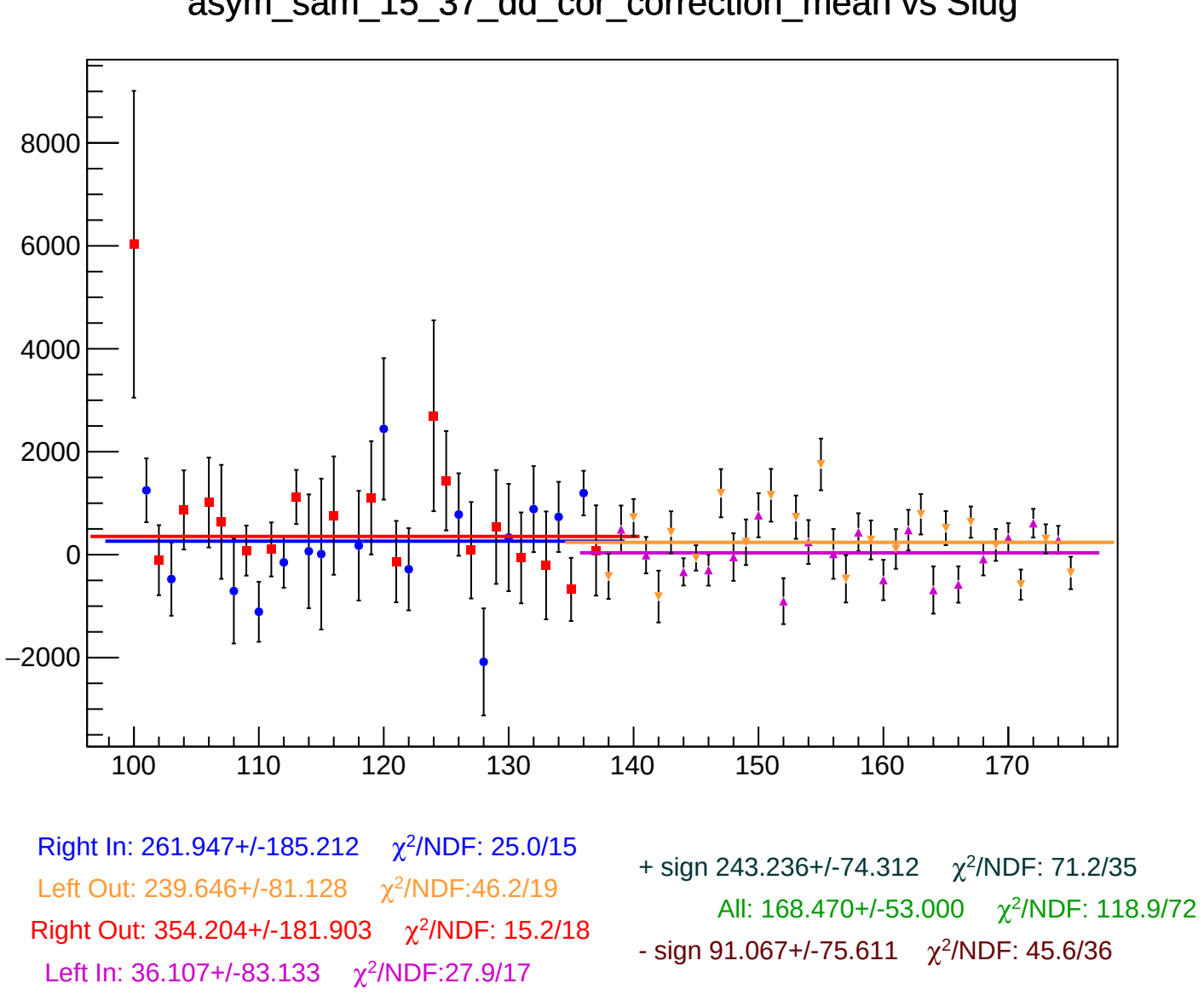
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

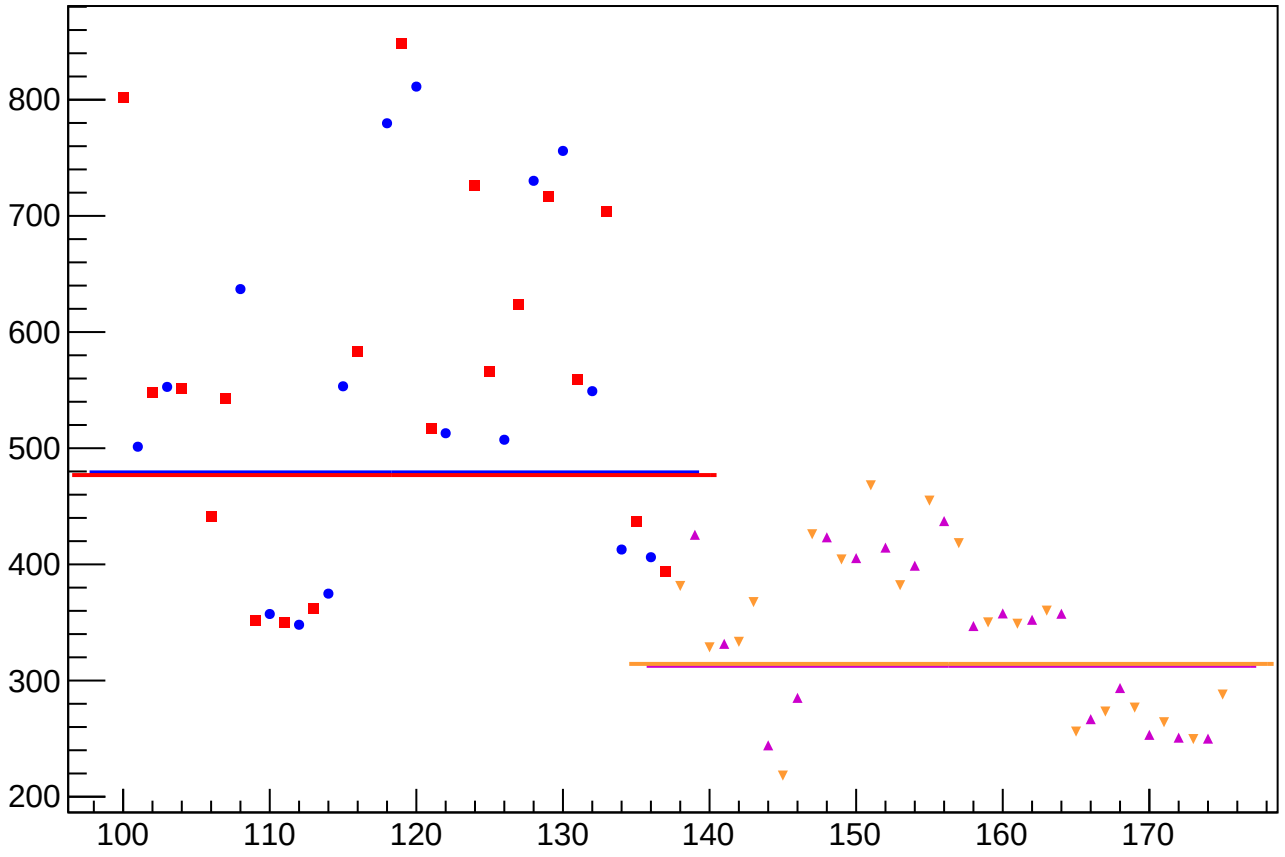
Left In: 39.472+/-0.007 χ^2/NDF:239078.6/17

+ sign 41.033+/-0.006 χ^2/NDF: 893712.0/35

All: 41.080+/-0.004 χ^2/NDF: 1869918.6/72

- sign 41.128+/-0.006 χ^2/NDF: 976089.3/36


asym_sam_15_37_dd_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 239.646+/-81.128 χ²/NDF:46.2/19
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: 36.107+/-83.133 χ²/NDF:27.9/17
+ sign 243.236+/-74.312 χ²/NDF: 71.2/35
All: 168.470+/-53.000 χ²/NDF: 118.9/72
- sign 91.067+/-75.611 χ²/NDF: 45.6/36



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 314.330+/-0.057 χ^2/NDF:1445729.9/19

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

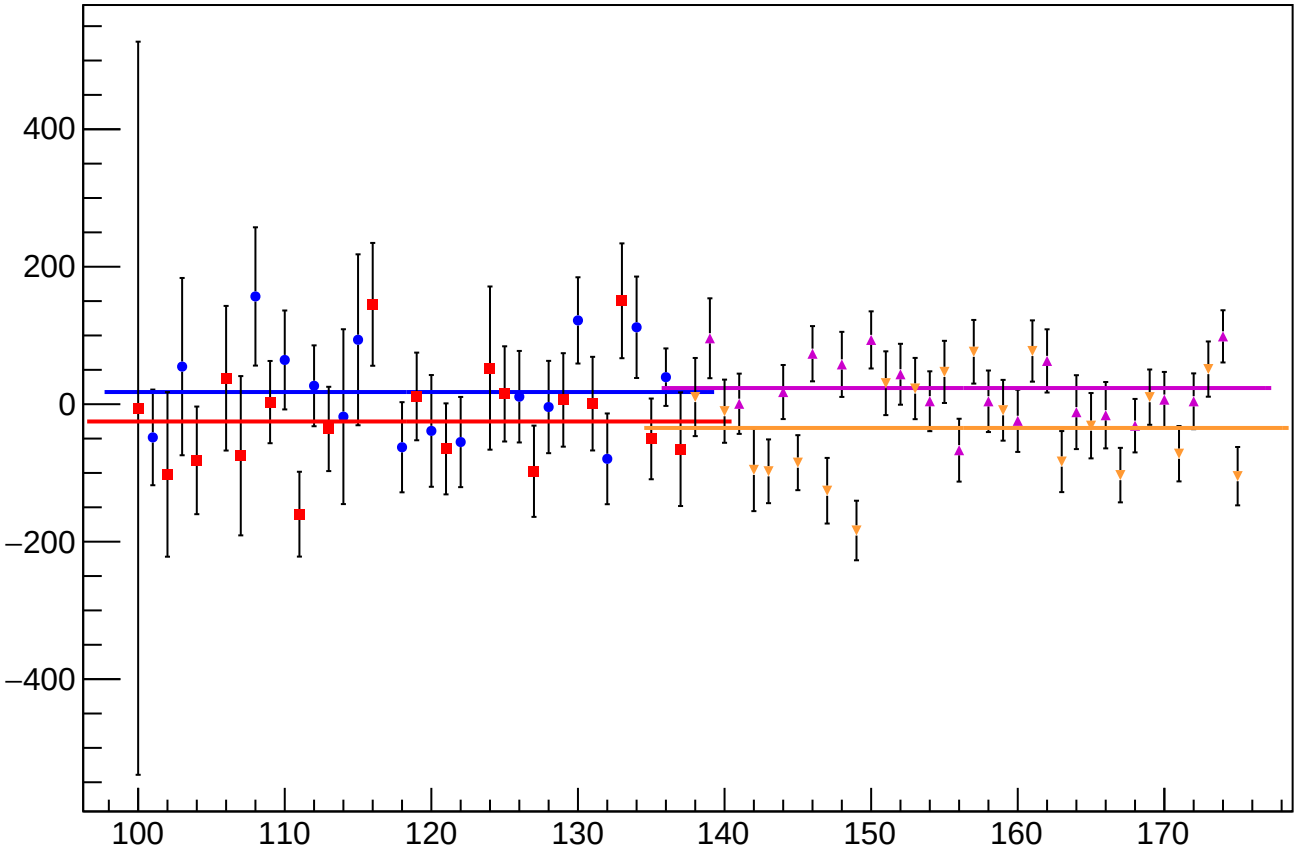
Left In: 312.688+/-0.059 χ^2/NDF:1218212.8/17

+ sign 340.868+/-0.053 χ^2/NDF: 3727798.5/35

All: 340.962+/-0.037 χ^2/NDF: 7297967.0/72

- sign 341.059+/-0.053 χ^2/NDF: 3570162.0/36

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -34.553+/-9.973 χ^2/NDF:53.7/19

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

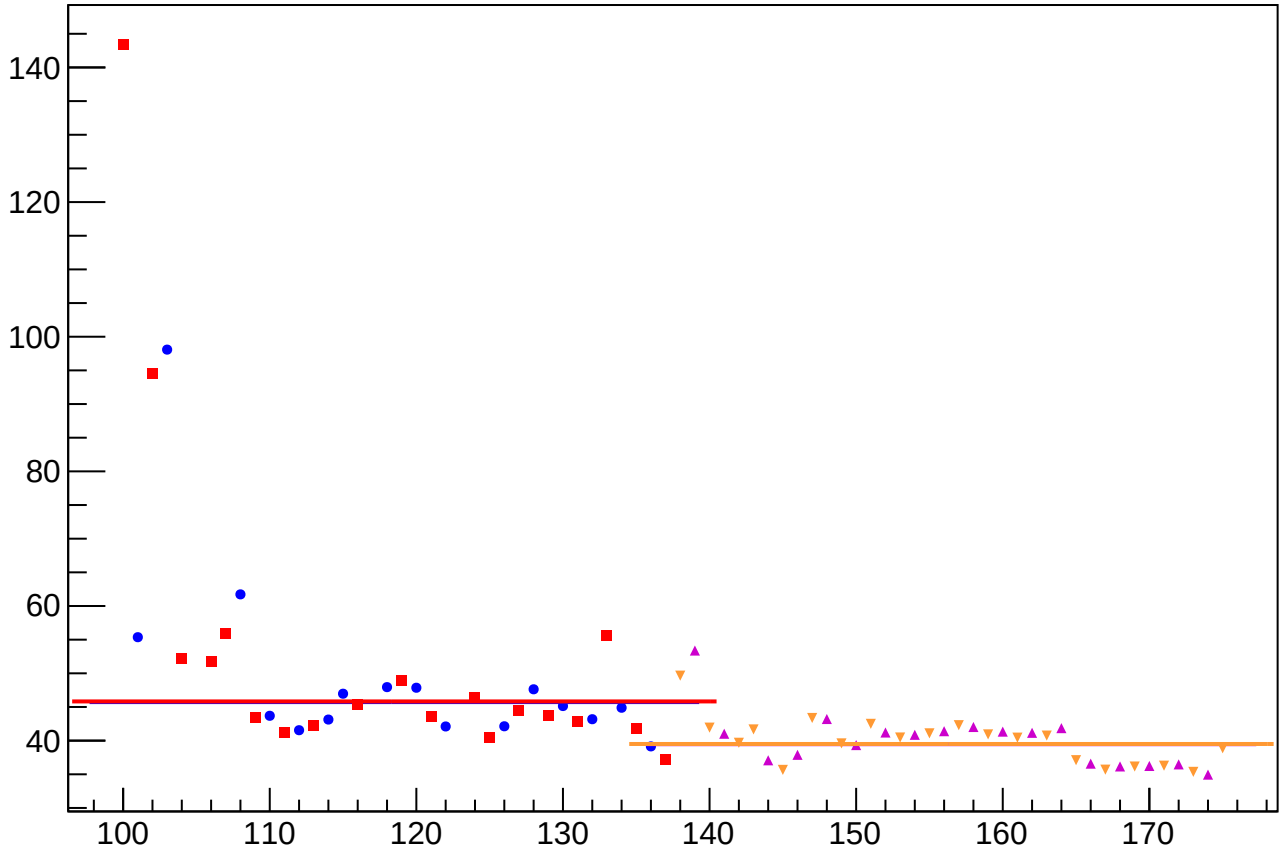
Left In: 23.516+/-10.296 χ^2/NDF:20.5/17

+ sign -21.708+/-8.661 χ^2/NDF: 74.4/35

All: -5.794+/-6.191 χ^2/NDF: 125.6/72

- sign 10.832+/-8.853 χ^2/NDF: 44.3/36

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.504+/-0.007 χ^2/NDF:200846.7/19

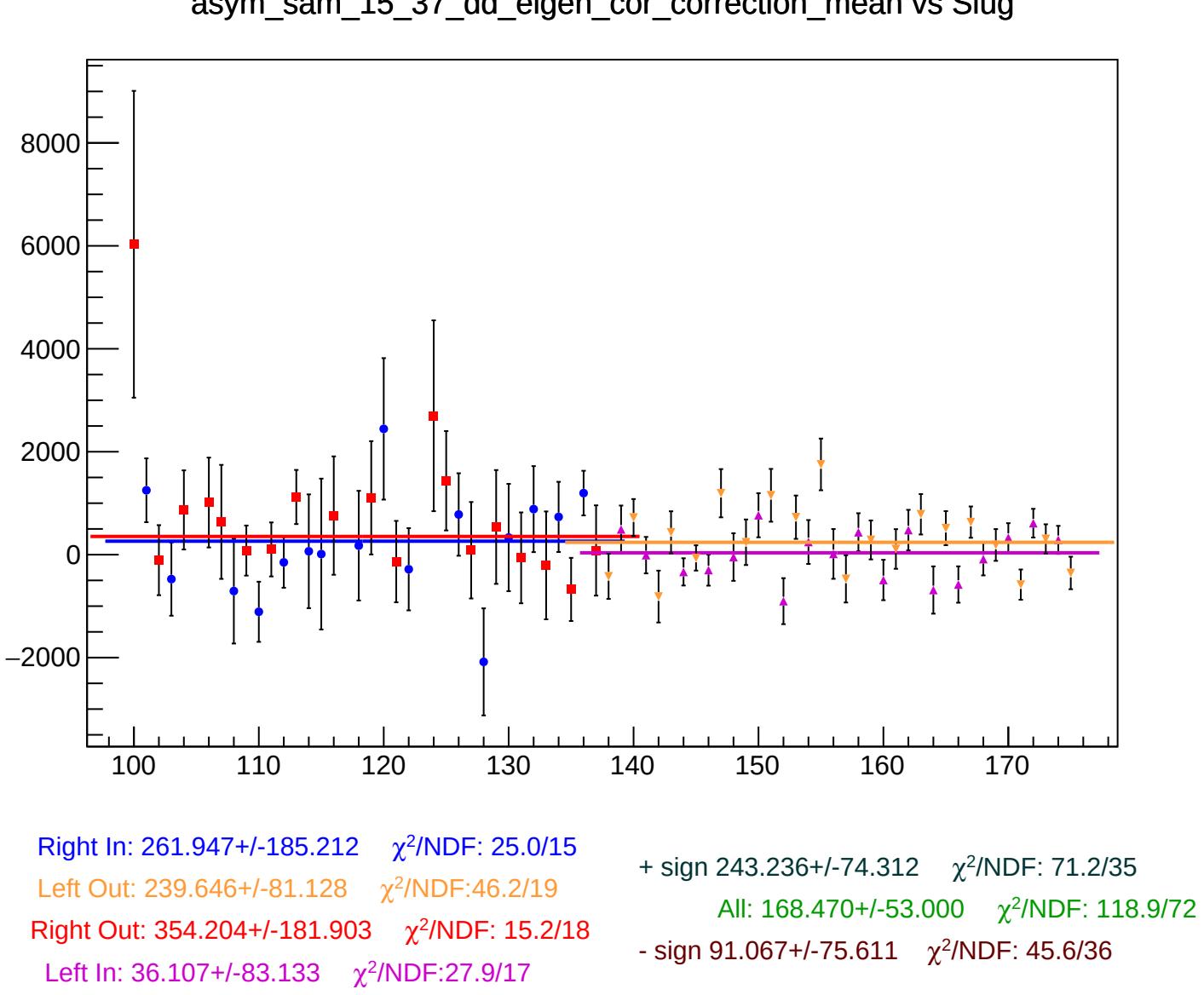
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

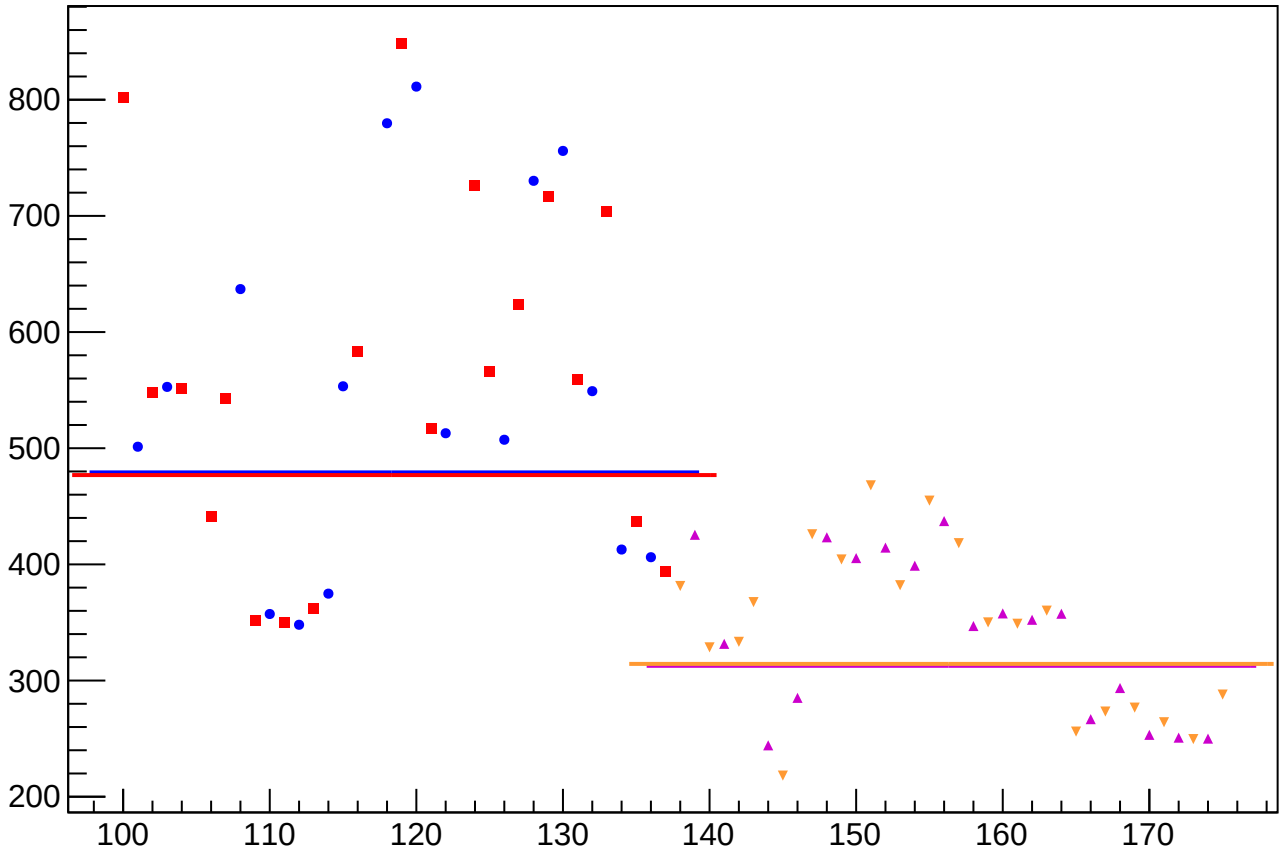
Left In: 39.472+/-0.007 χ^2/NDF:239078.6/17

+ sign 41.033+/-0.006 χ^2/NDF: 893712.0/35

All: 41.080+/-0.004 χ^2/NDF: 1869918.6/72

- sign 41.128+/-0.006 χ^2/NDF: 976089.3/36


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 239.646+/-81.128 χ²/NDF:46.2/19
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: 36.107+/-83.133 χ²/NDF:27.9/17
+ sign 243.236+/-74.312 χ²/NDF: 71.2/35
All: 168.470+/-53.000 χ²/NDF: 118.9/72
- sign 91.067+/-75.611 χ²/NDF: 45.6/36



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 314.330+/-0.057 χ^2/NDF:1445729.9/19

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

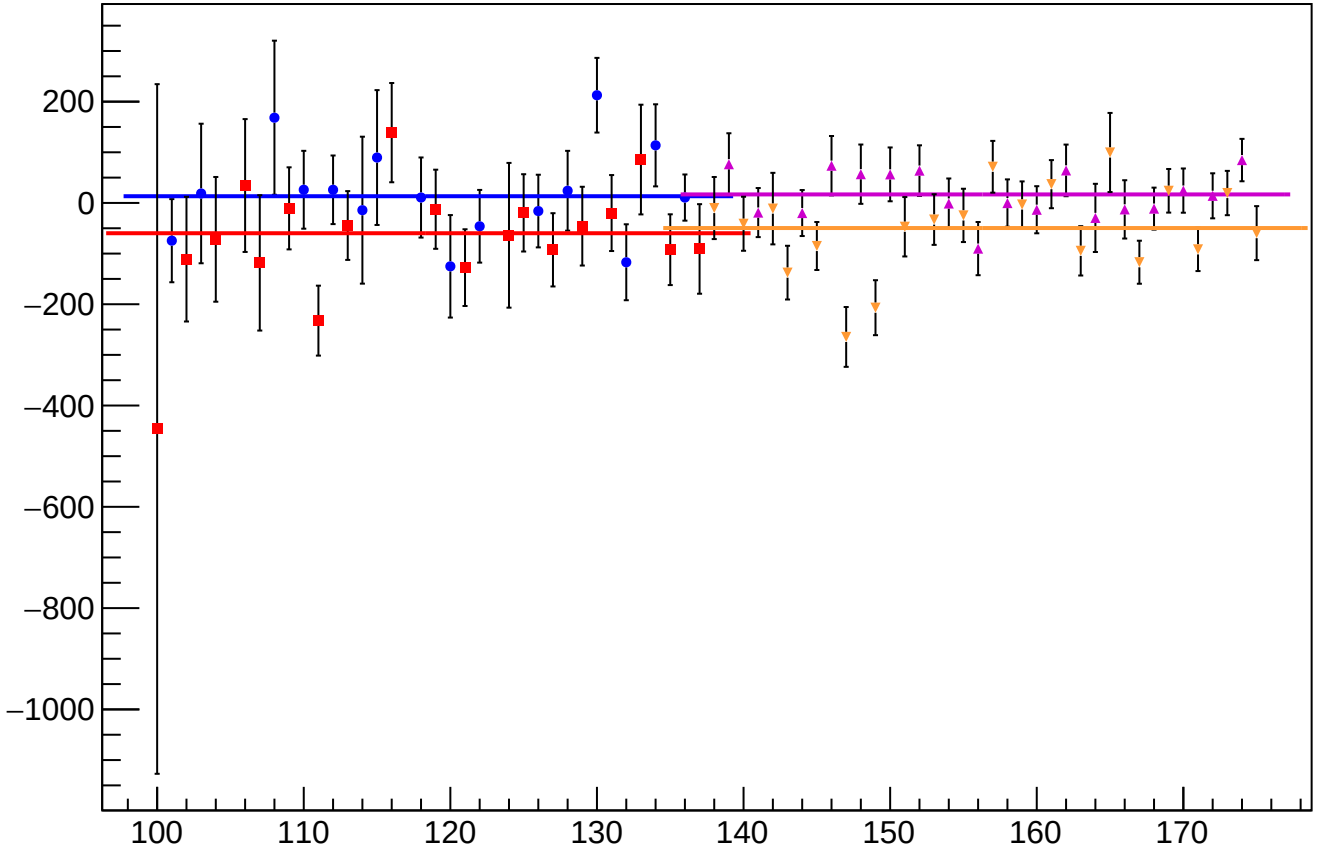
Left In: 312.688+/-0.059 χ^2/NDF:1218212.8/17

+ sign 340.868+/-0.053 χ^2/NDF: 3727798.5/35

All: 340.962+/-0.037 χ^2/NDF: 7297967.0/72

- sign 341.059+/-0.053 χ^2/NDF: 3570162.0/36

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -49.561+/-11.394 χ^2/NDF:49.5/19

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

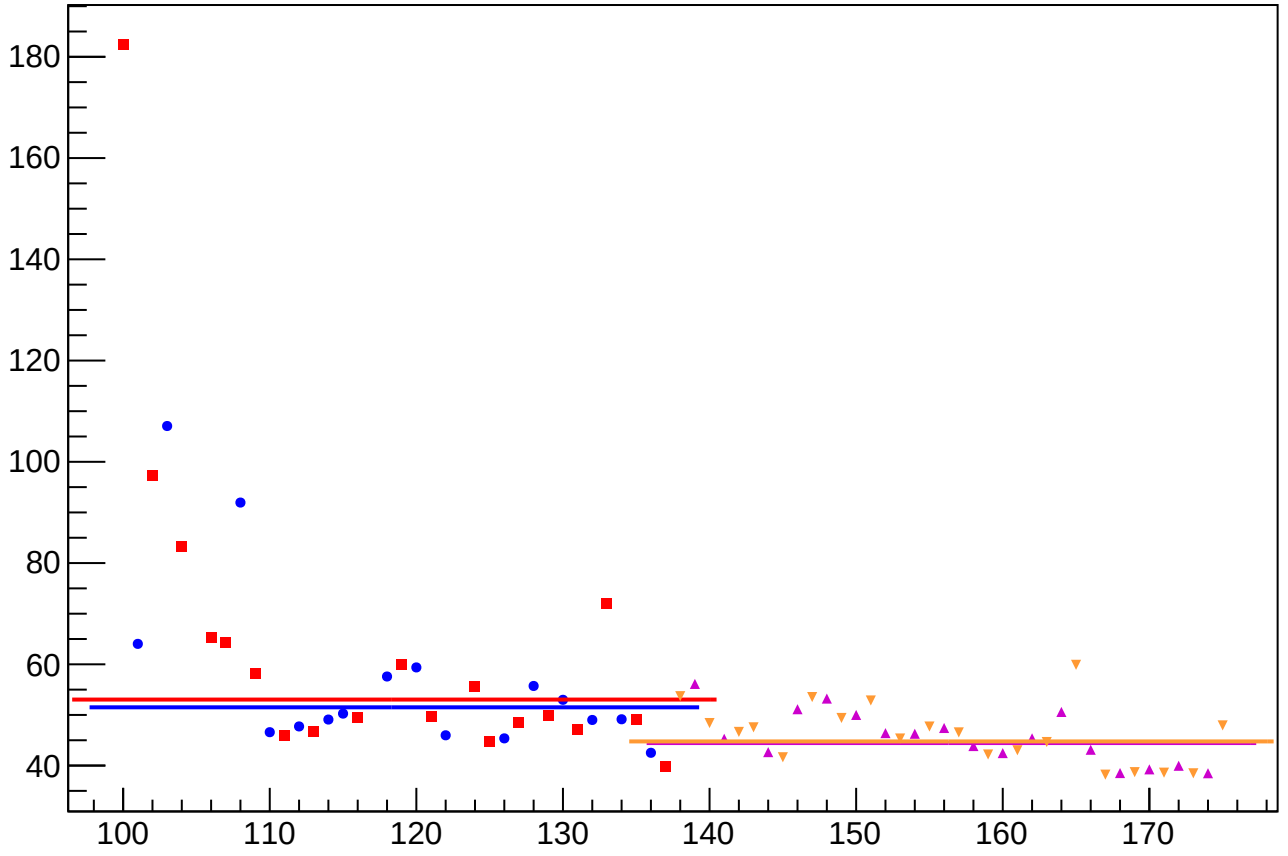
Left In: 16.817+/-11.706 χ^2/NDF:14.6/17

+ sign -33.989+/-9.882 χ^2/NDF: 74.2/35

All: -18.589+/-7.074 χ^2/NDF: 120.6/72

- sign -2.398+/-10.132 χ^2/NDF: 41.4/36

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 44.769+/-0.008 χ^2/NDF:434756.5/19

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

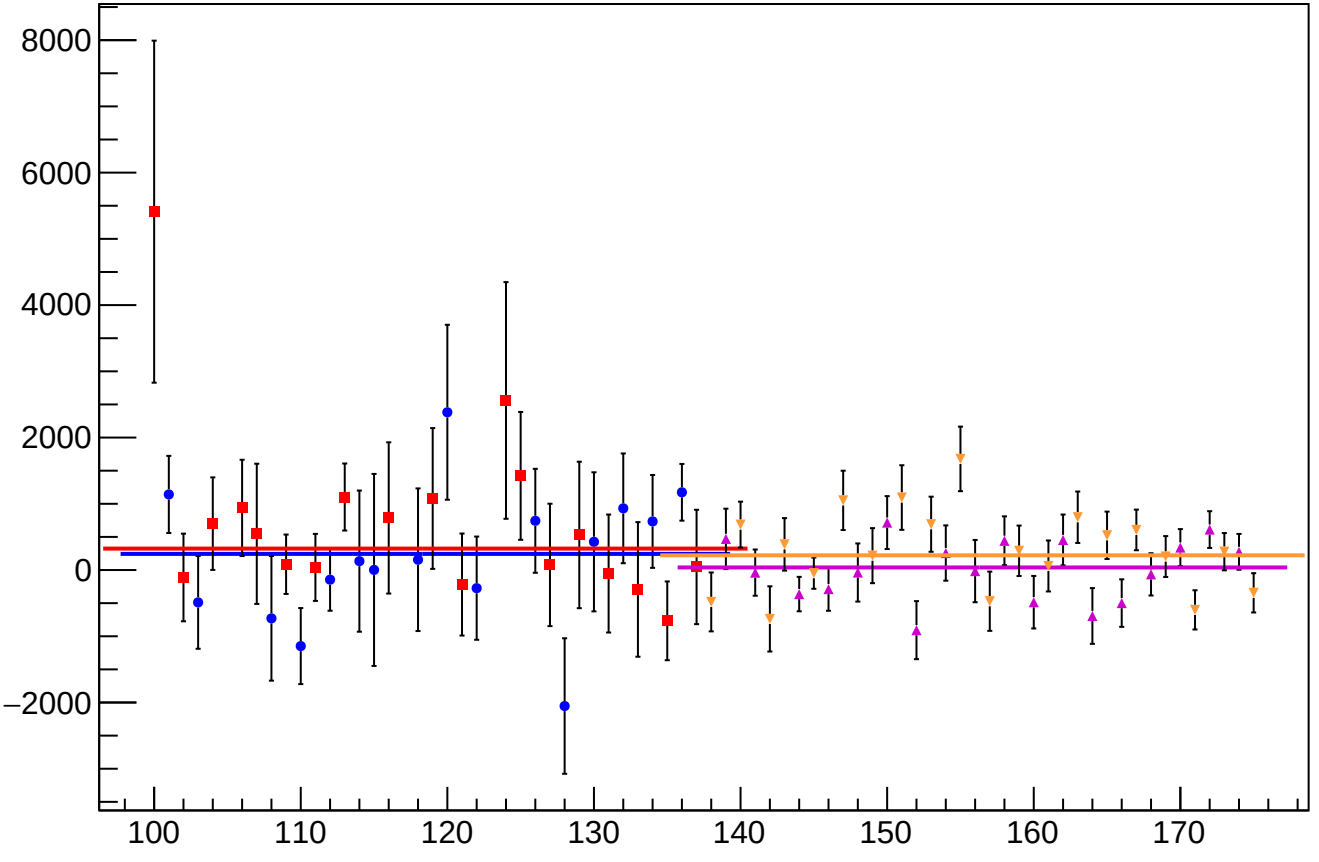
Left In: 44.447+/-0.008 χ^2/NDF:334434.5/17

+ sign 46.439+/-0.007 χ^2/NDF: 1275075.7/35

All: 46.518+/-0.005 χ^2/NDF: 2592756.4/72

- sign 46.601+/-0.007 χ^2/NDF: 1317416.8/36

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 222.338+/-79.942 χ^2/NDF:44.9/19

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

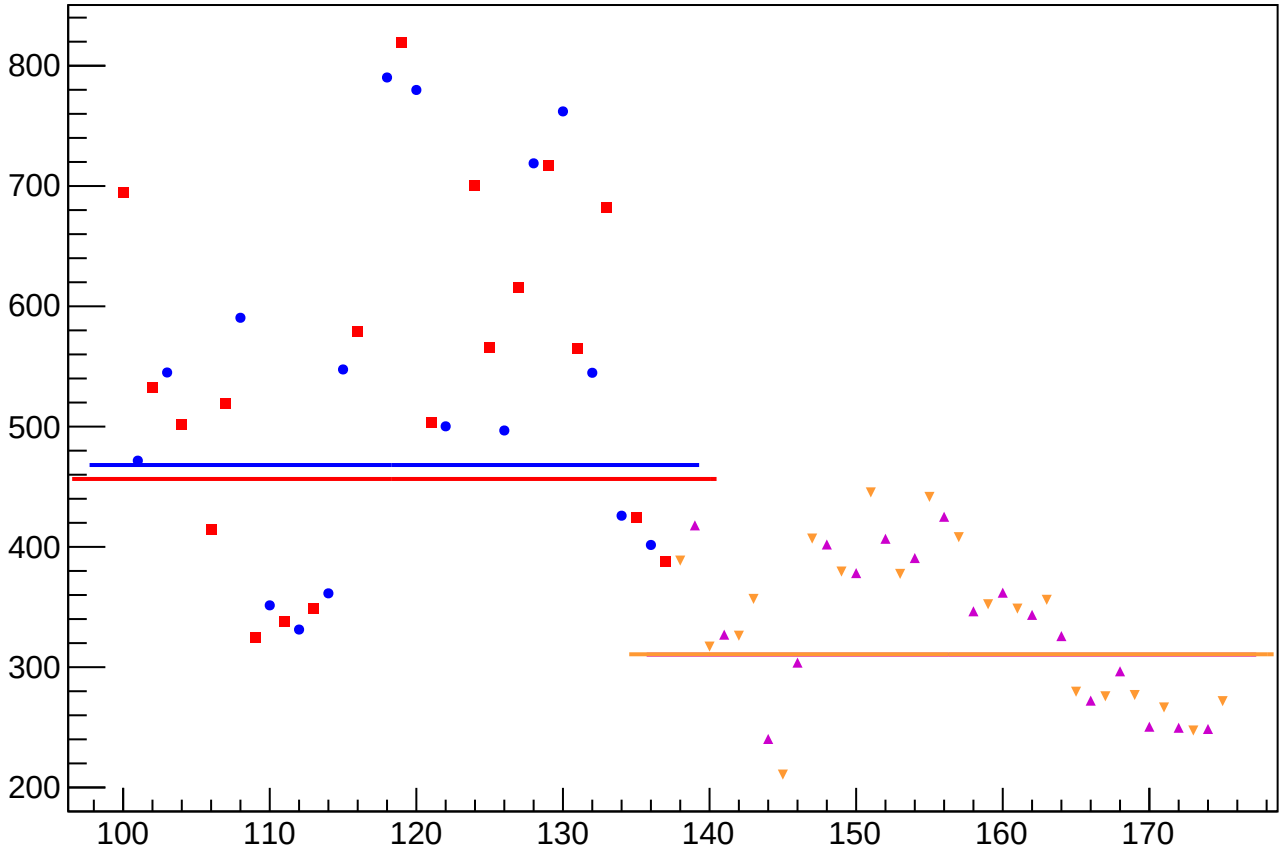
Left In: 38.861+/-82.376 χ^2/NDF:27.9/17

+ sign 225.850+/-73.119 χ^2/NDF: 70.5/35

All: 159.707+/-52.158 χ^2/NDF: 118.7/72

- sign 91.181+/-74.425 χ^2/NDF: 46.5/36

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 310.719+/-0.057 χ^2/NDF:1356849.4/19

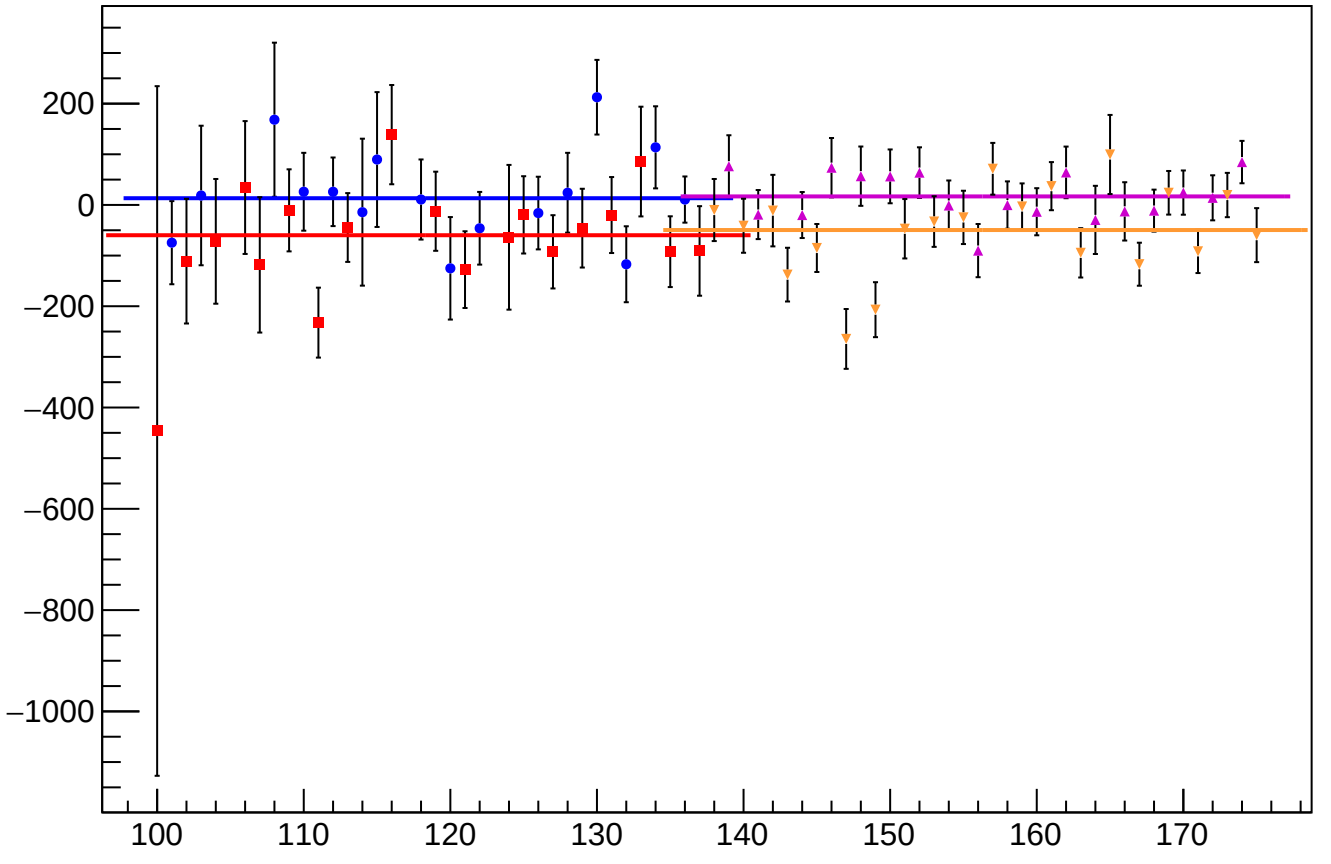
Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 310.437+/-0.058 χ^2/NDF:1085947.1/17

+ sign 336.433+/-0.052 χ^2/NDF: 3605988.4/35

All: 336.843+/-0.037 χ^2/NDF: 6929401.1/72

- sign 337.267+/-0.053 χ^2/NDF: 3323284.7/36



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -49.561+/-11.394 χ^2/NDF:49.5/19

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

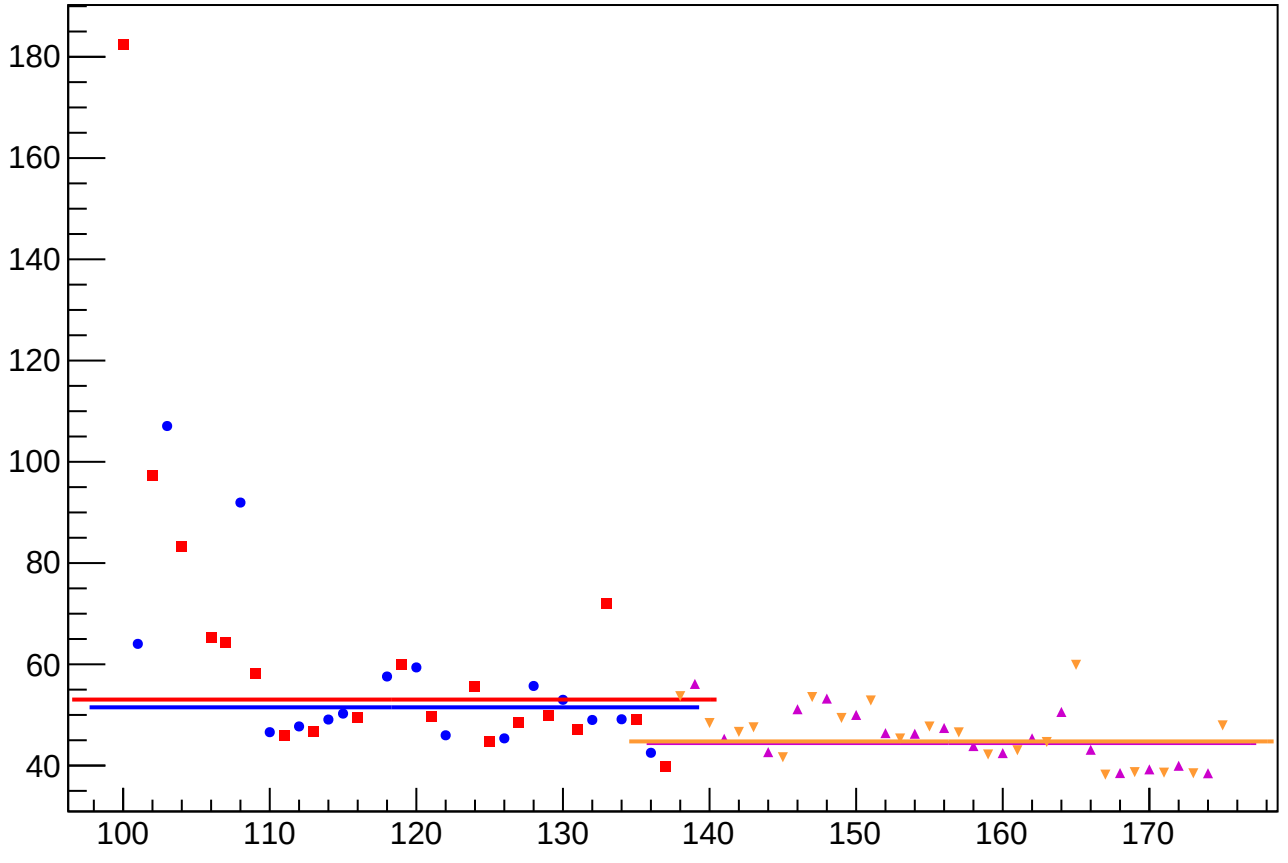
Left In: 16.817+/-11.706 χ^2/NDF:14.6/17

+ sign -33.990+/-9.882 χ^2/NDF: 74.2/35

All: -18.589+/-7.074 χ^2/NDF: 120.6/72

- sign -2.398+/-10.132 χ^2/NDF: 41.4/36

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 44.769+/-0.008 χ^2/NDF:434759.2/19

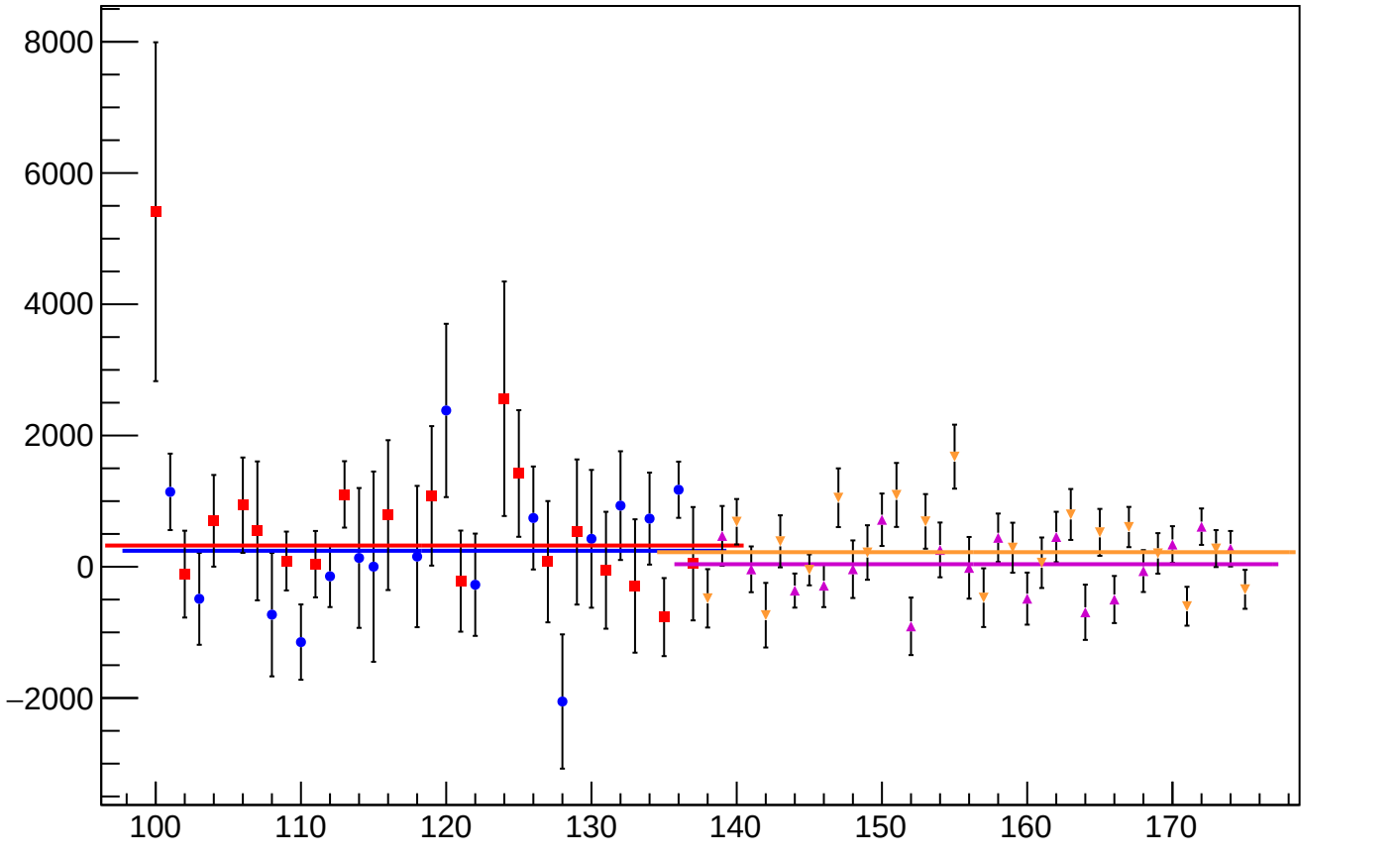
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 44.447+/-0.008 χ^2/NDF:334433.8/17

+ sign 46.439+/-0.007 χ^2/NDF: 1275083.1/35

All: 46.518+/-0.005 χ^2/NDF: 2592773.0/72

- sign 46.601+/-0.007 χ^2/NDF: 1317425.9/36



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 222.338+/-79.942 χ^2/NDF:44.9/19

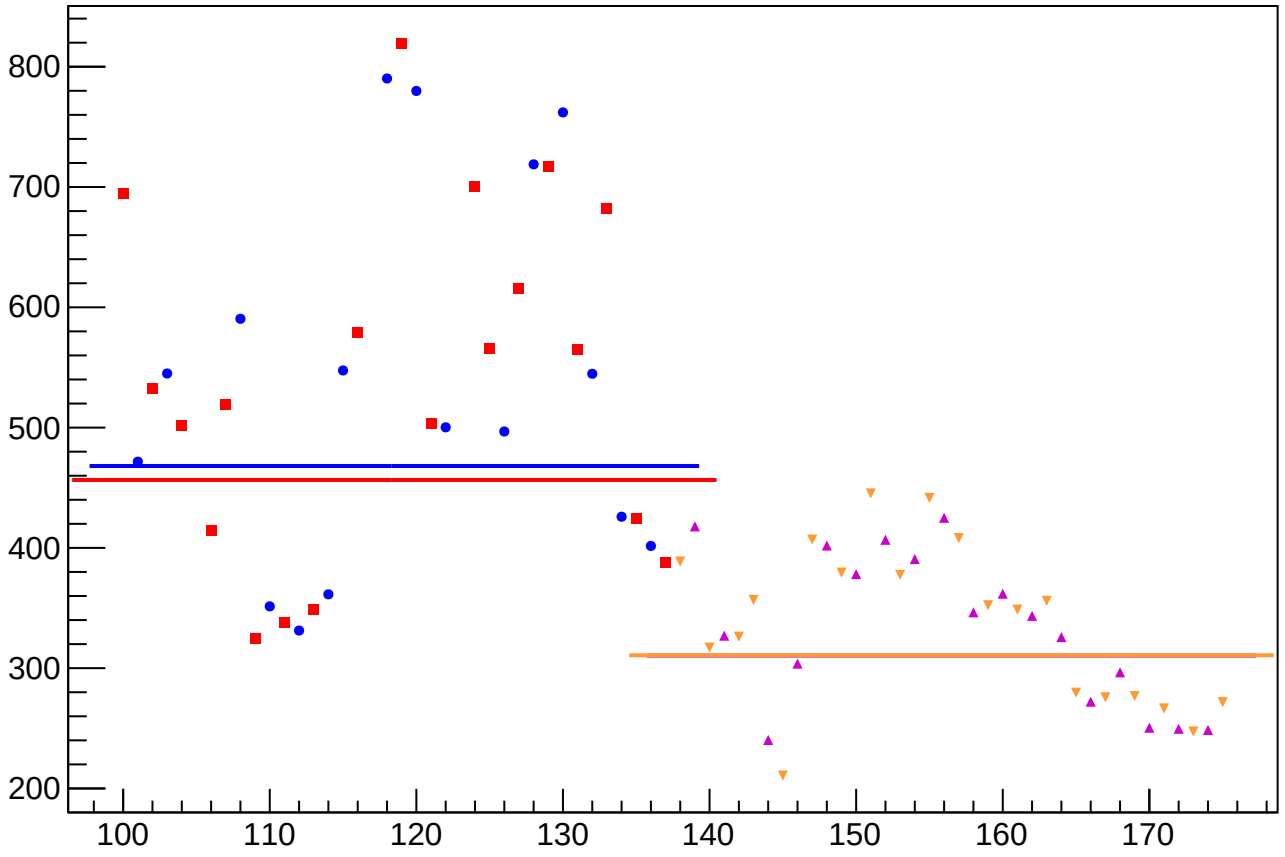
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 38.860+/-82.376 χ^2/NDF:27.9/17

+ sign 225.850+/-73.119 χ^2/NDF: 70.5/35

All: 159.707+/-52.158 χ^2/NDF: 118.7/72

- sign 91.180+/-74.425 χ^2/NDF: 46.5/36



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 310.719+/-0.057 χ^2/NDF:1356846.2/19

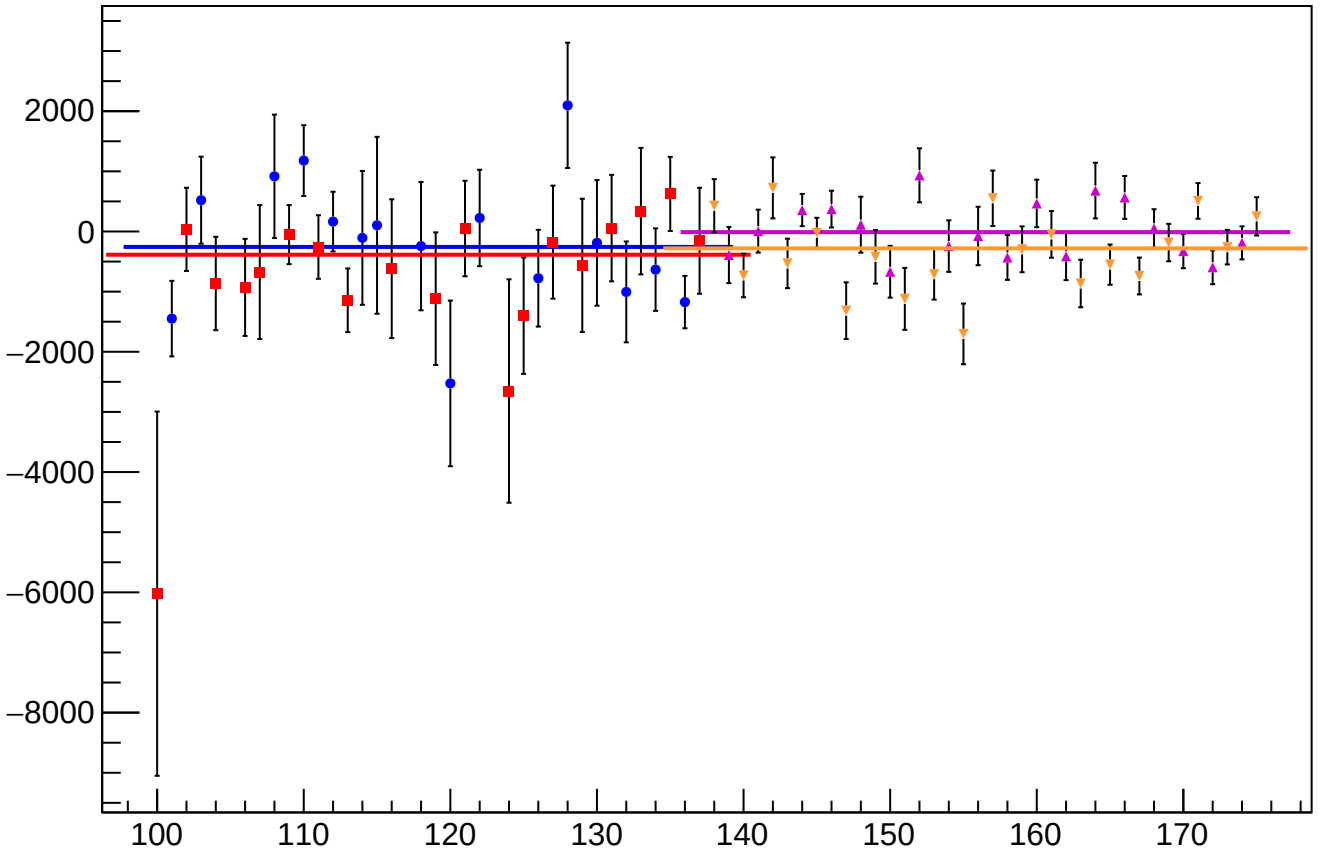
Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 310.438+/-0.058 χ^2/NDF:1085939.3/17

+ sign 336.433+/-0.052 χ^2/NDF: 3605972.3/35

All: 336.843+/-0.037 χ^2/NDF: 6929358.1/72

- sign 337.268+/-0.053 χ^2/NDF: 3323257.8/36



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -280.232+/-81.808 χ^2/NDF:44.8/19

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

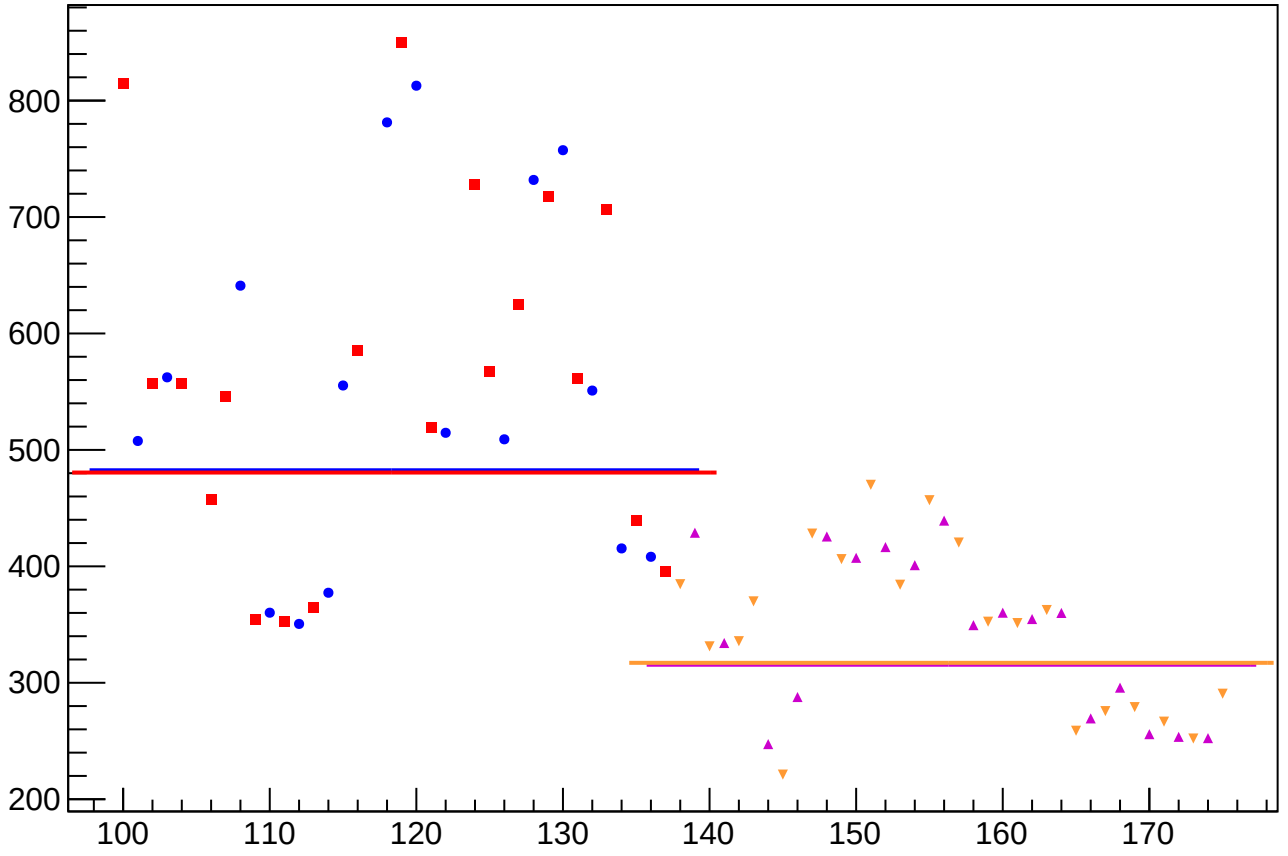
Left In: -10.548+/-83.835 χ^2/NDF:25.8/17

+ sign -276.441+/-74.915 χ^2/NDF: 71.7/35

All: -177.951+/-53.412 χ^2/NDF: 118.8/72

- sign -76.130+/-76.171 χ^2/NDF: 43.6/36

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 317.141+/-0.058 χ^2/NDF:1415397.3/19

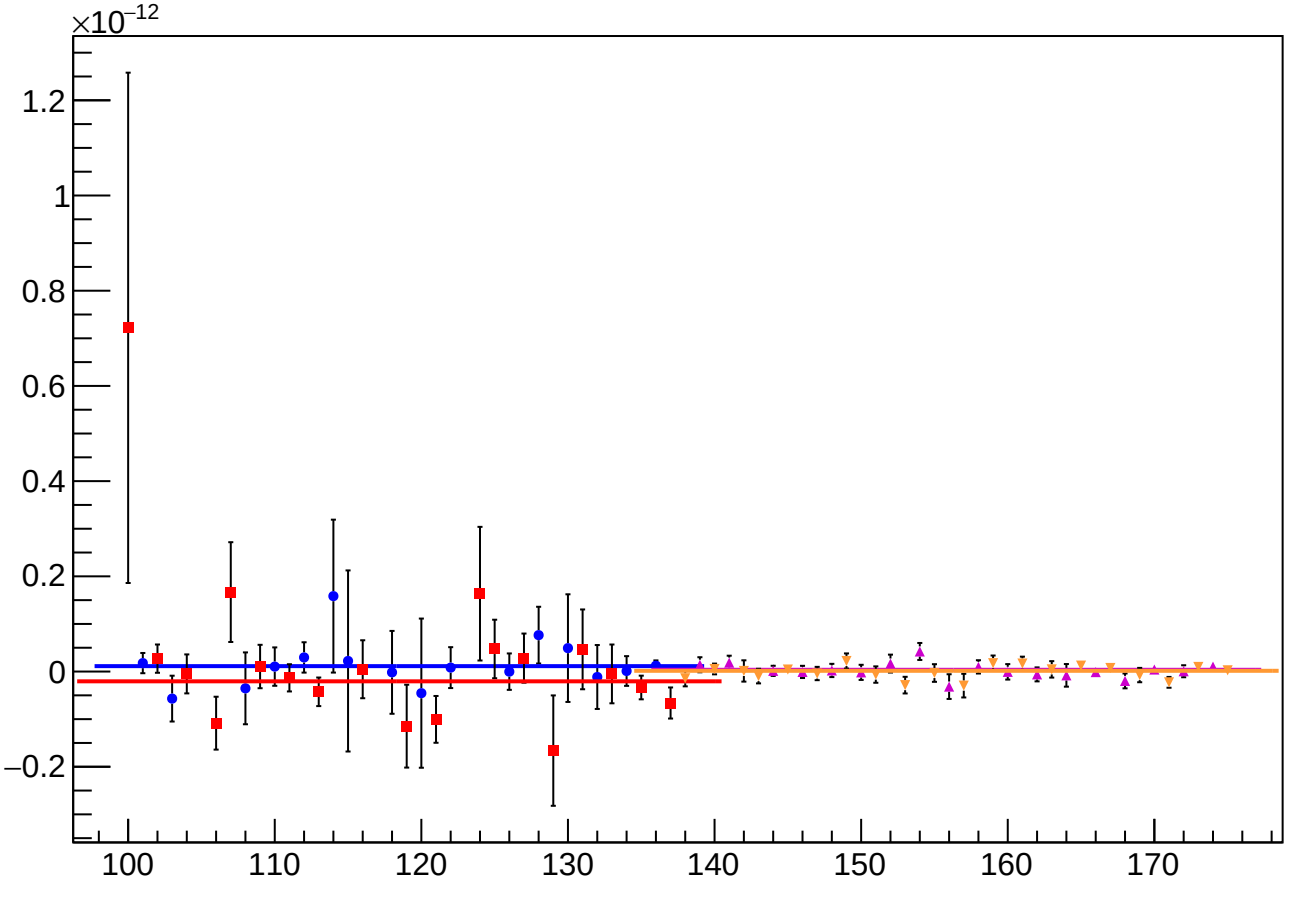
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 315.486+/-0.059 χ^2/NDF:1194019.0/17

+ sign 343.835+/-0.053 χ^2/NDF: 3681132.5/35

All: 344.057+/-0.038 χ^2/NDF: 7221812.9/72

- sign 344.286+/-0.054 χ^2/NDF: 3540644.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

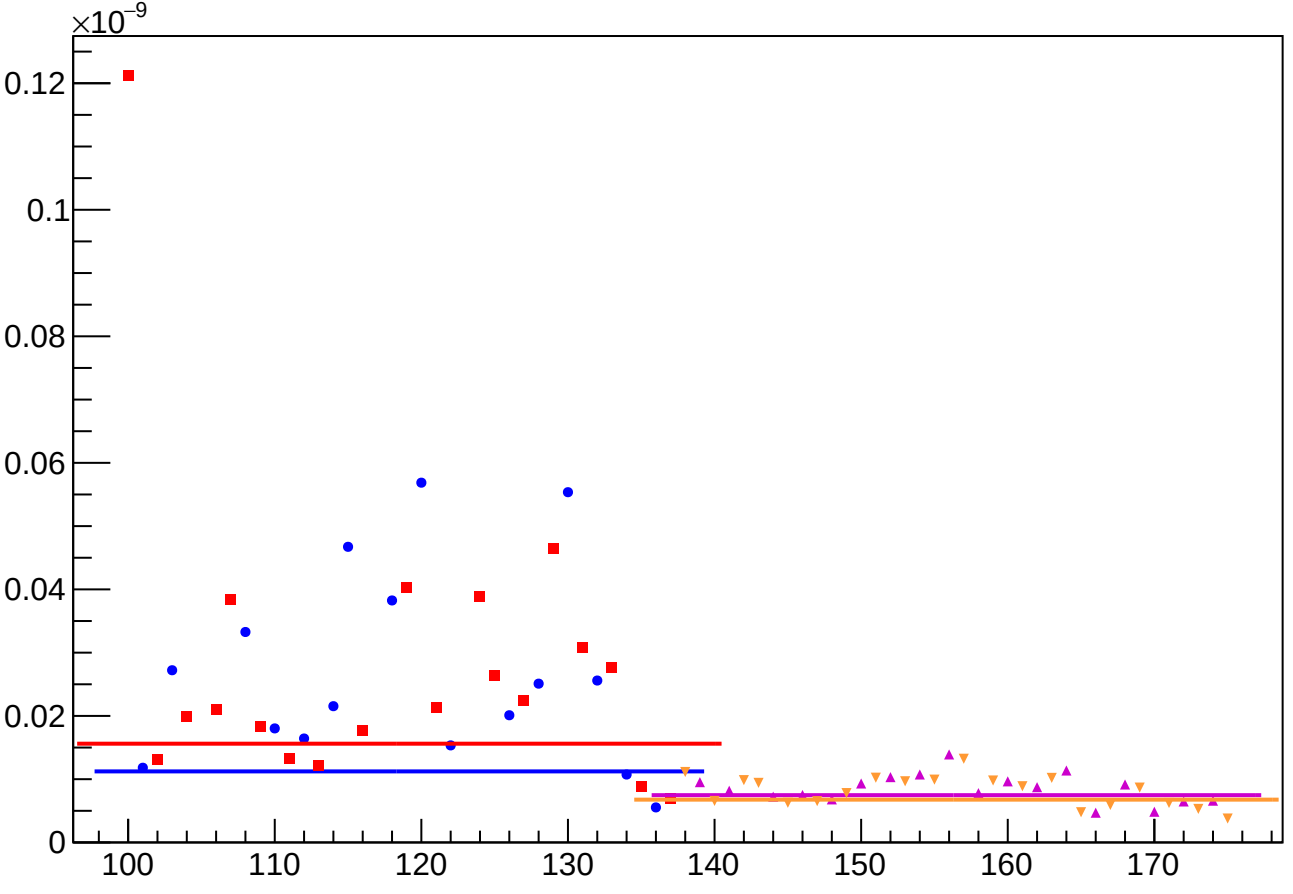
Left In: 0.000+/-0.000 χ^2/NDF:12.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 24.1/35

All: 0.000+/-0.000 χ^2/NDF: 65.7/72

- sign 0.000+/-0.000 χ^2/NDF: 41.5/36

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:1327037.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

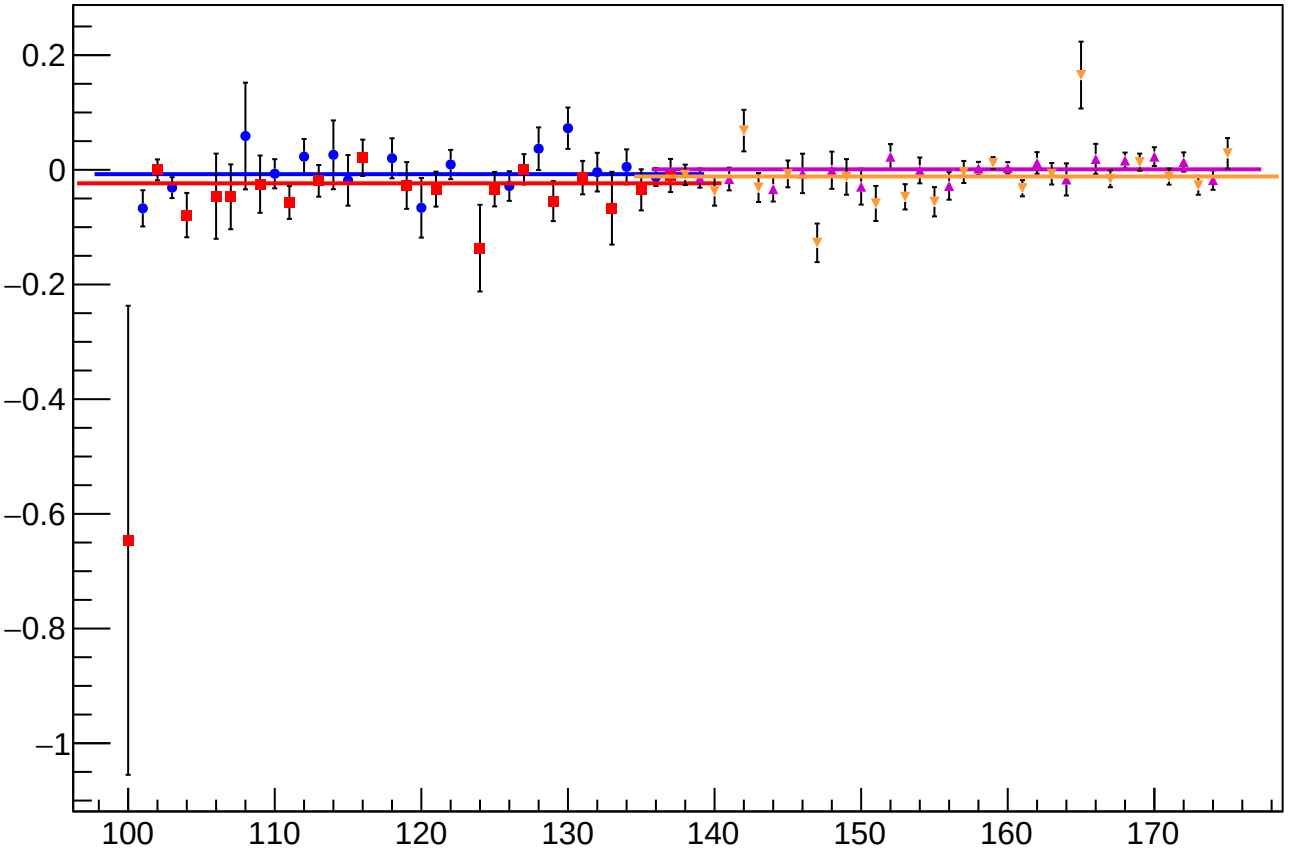
Left In: 0.000+/-0.000 χ^2/NDF:768616.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 3984328.5/35

All: 0.000+/-0.000 χ^2/NDF: 7188440.7/72

- sign 0.000+/-0.000 χ^2/NDF: 3097913.7/36

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:48.9/19

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

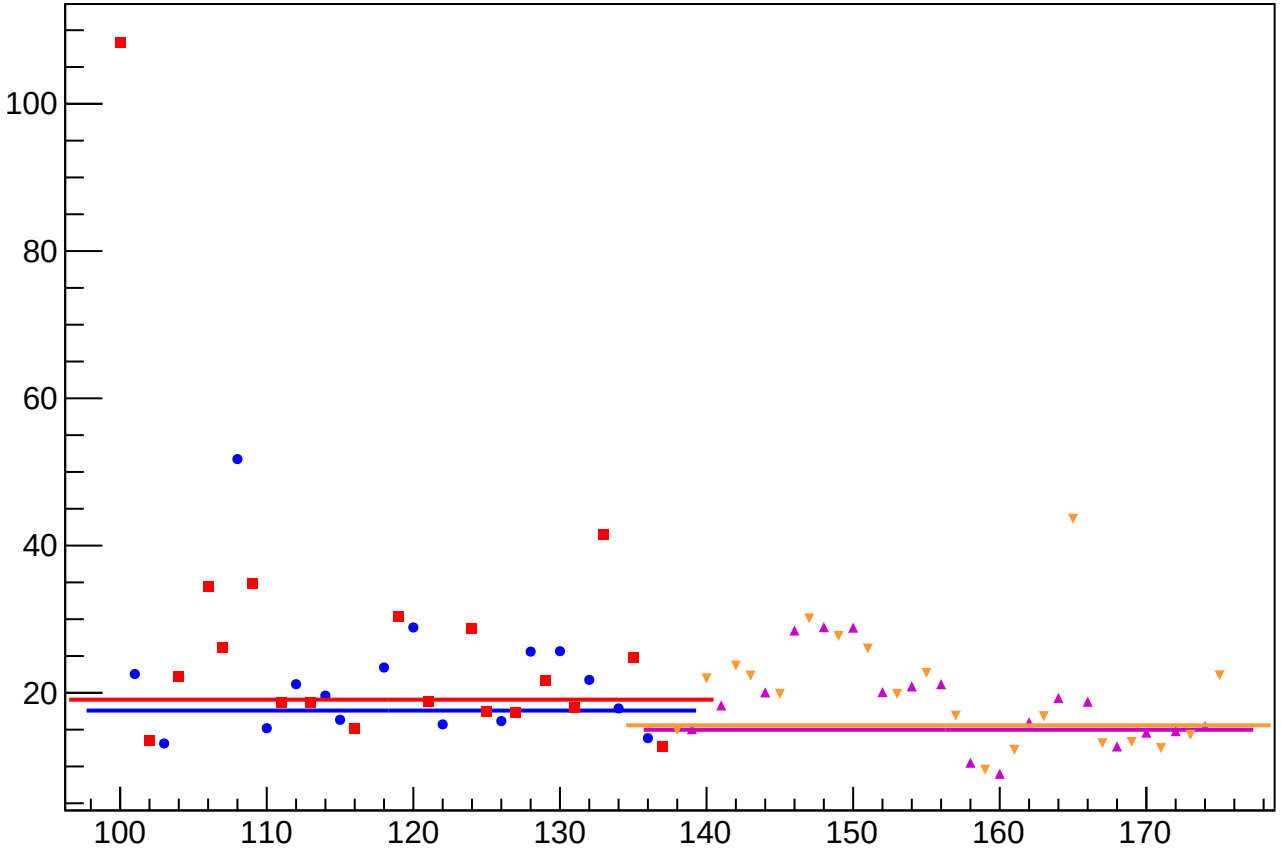
Left In: 0.001+/-0.004 χ^2/NDF:13.6/17

+ sign -0.011+/-0.004 χ^2/NDF: 65.8/35

All: -0.008+/-0.003 χ^2/NDF: 103.0/72

- sign -0.005+/-0.004 χ^2/NDF: 35.9/36

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.596+/-0.003 χ^2/NDF:3177613.0/19

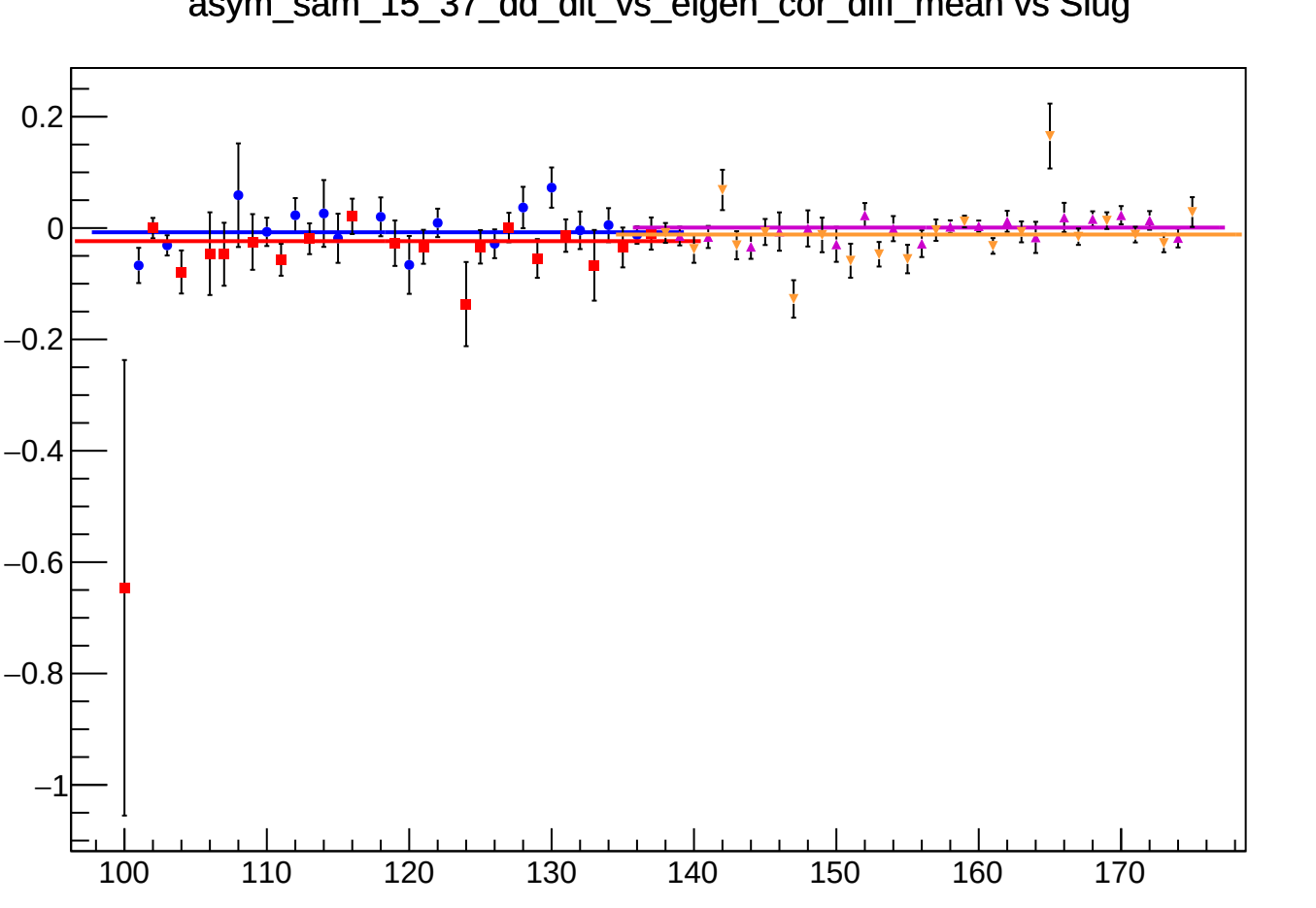
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.982+/-0.003 χ^2/NDF:2768108.8/17

\+ sign 16.116+/-0.003 χ^2/NDF: 4284408.1/35

All: 16.021+/-0.002 χ^2/NDF: 8732570.0/72

\- sign 15.925+/-0.003 χ^2/NDF: 4445481.3/36



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:48.9/19

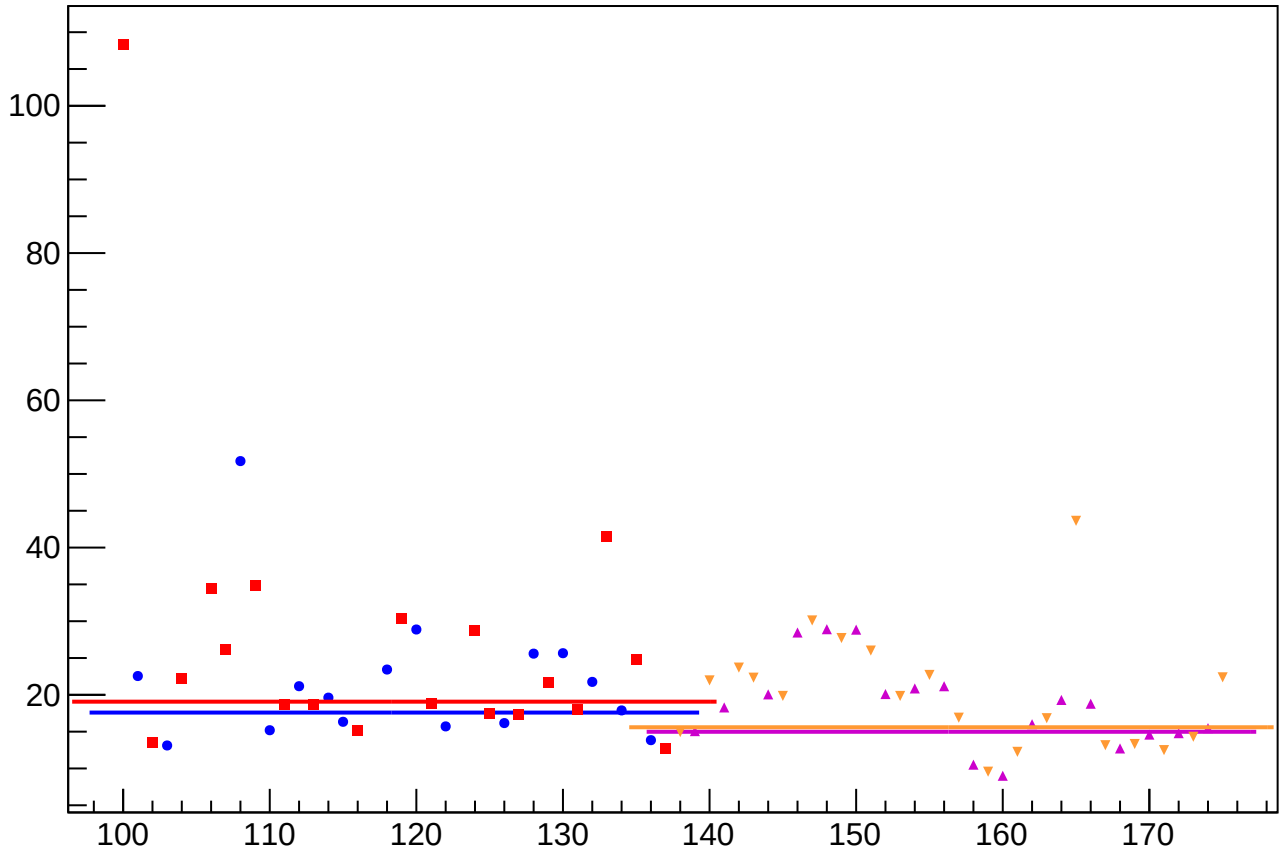
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.004 χ^2/NDF:13.6/17

+ sign -0.011+/-0.004 χ^2/NDF: 65.8/35

All: -0.008+/-0.003 χ^2/NDF: 103.0/72

- sign -0.005+/-0.004 χ^2/NDF: 35.9/36



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.596+/-0.003 χ^2/NDF:3177613.0/19

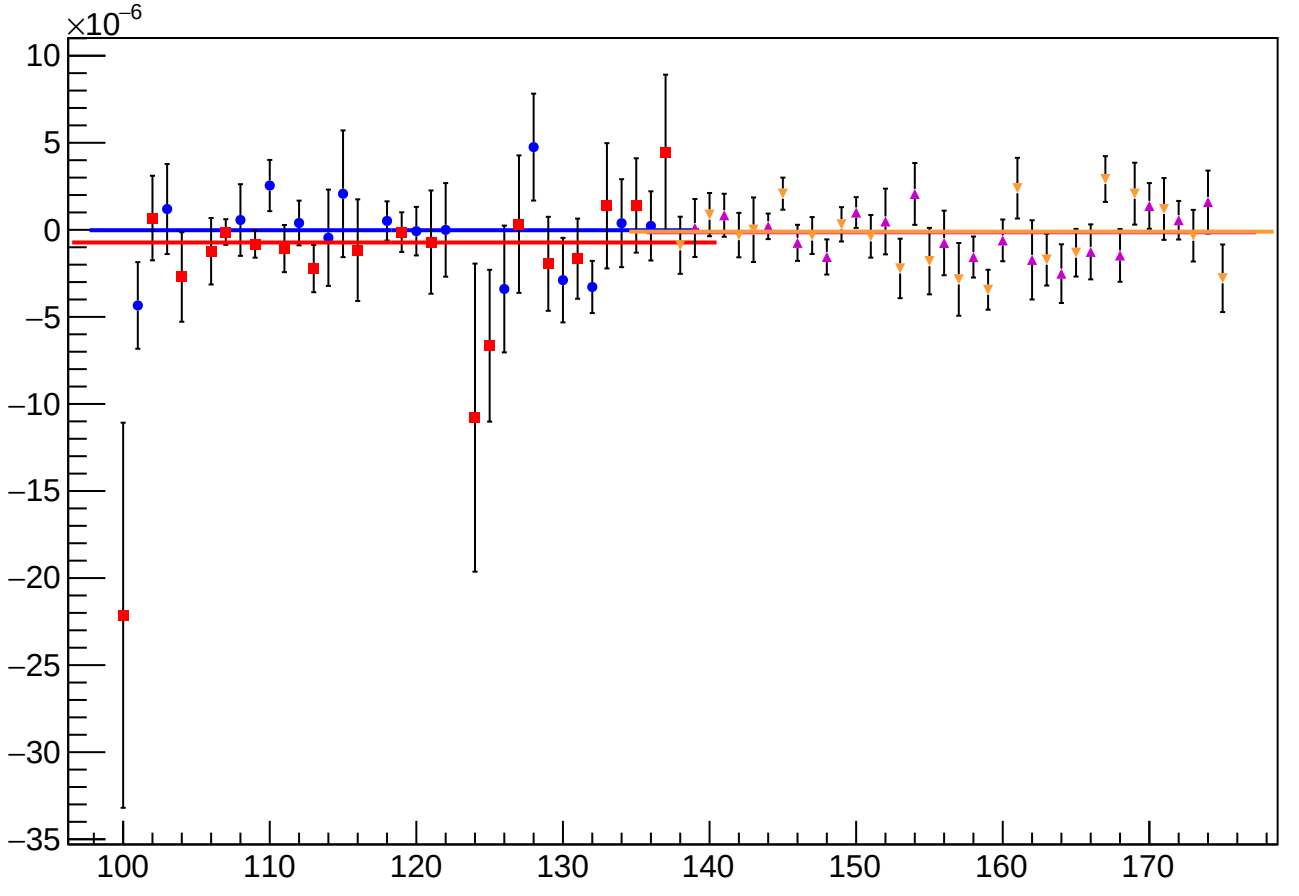
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.982+/-0.003 χ^2/NDF:2768108.8/17

+ sign 16.116+/-0.003 χ^2/NDF: 4284408.1/35

All: 16.021+/-0.002 χ^2/NDF: 8732570.0/72

- sign 15.925+/-0.003 χ^2/NDF: 4445481.3/36



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

Left Out: -0.000+/-0.000 χ^2/NDF:32.5/19

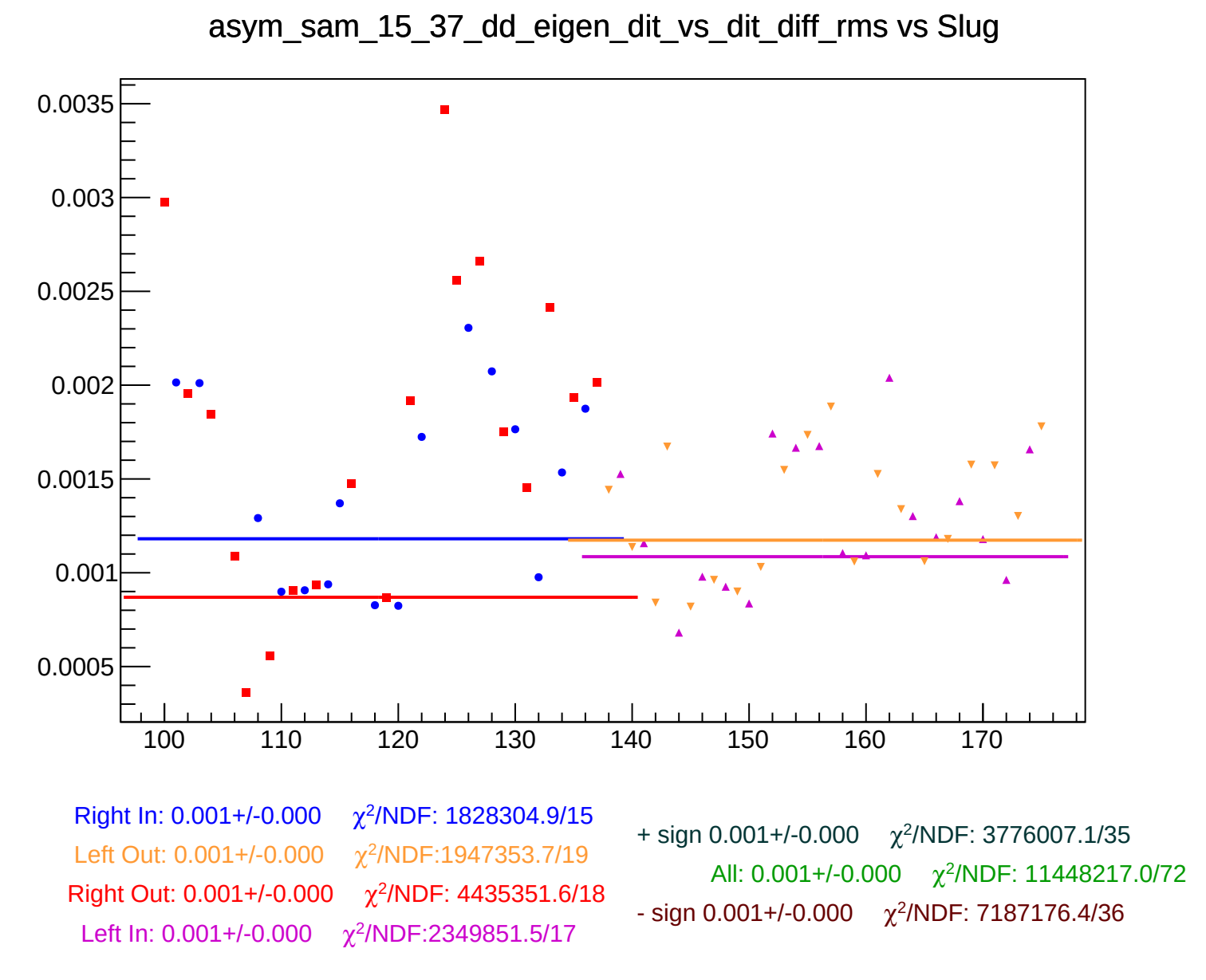
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

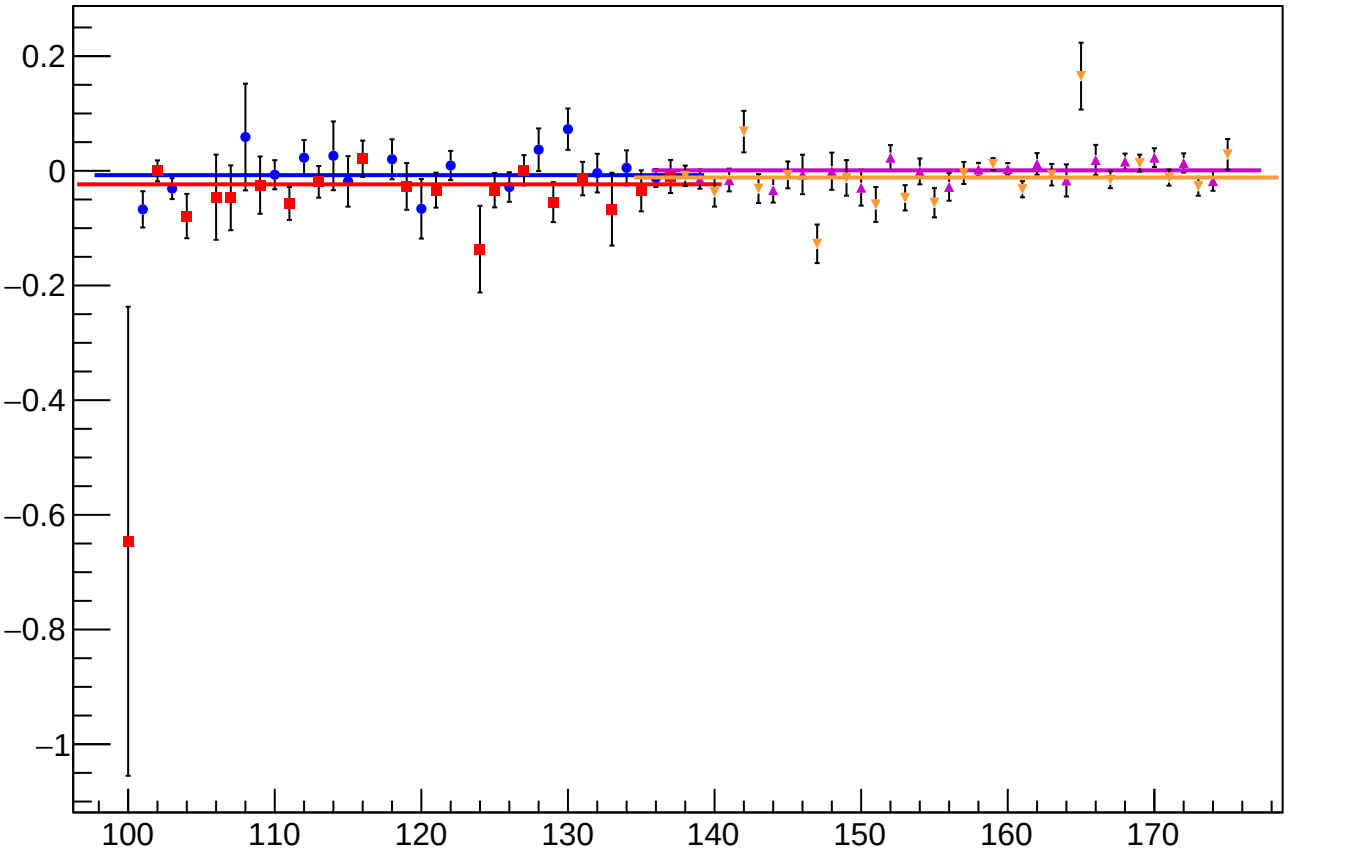
Left In: -0.000+/-0.000 χ^2/NDF:14.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 49.0/35

All: -0.000+/-0.000 χ^2/NDF: 78.6/72

- sign -0.000+/-0.000 χ^2/NDF: 28.9/36


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1947353.7/19
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:2349851.5/17
+ sign 0.001+/-0.000 χ²/NDF: 3776007.1/35
All: 0.001+/-0.000 χ²/NDF: 11448217.0/72
- sign 0.001+/-0.000 χ²/NDF: 7187176.4/36



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:48.9/19

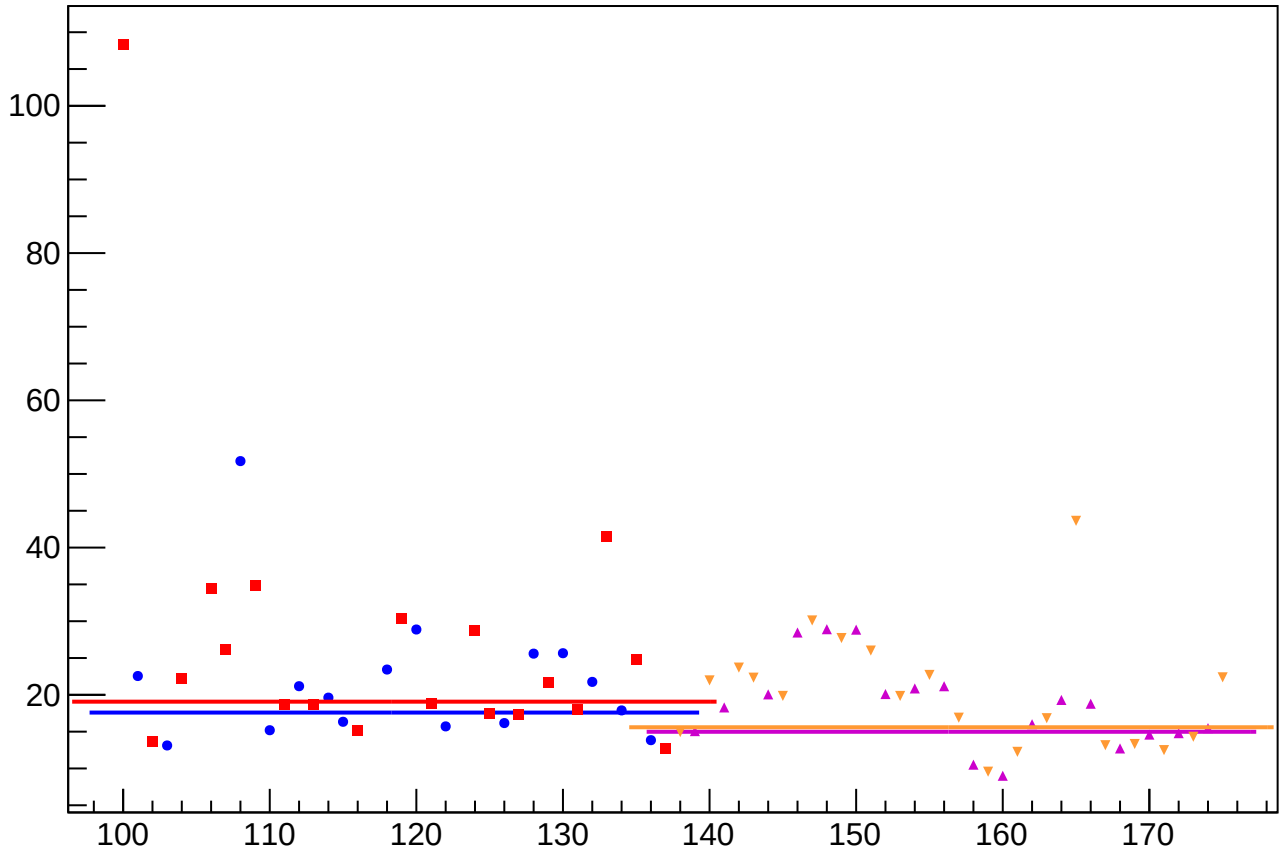
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.004 χ^2/NDF:13.6/17

+ sign -0.011+/-0.004 χ^2/NDF: 65.8/35

All: -0.008+/-0.003 χ^2/NDF: 103.0/72

- sign -0.005+/-0.004 χ^2/NDF: 35.9/36



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.596+/-0.003 χ^2/NDF:3177863.9/19

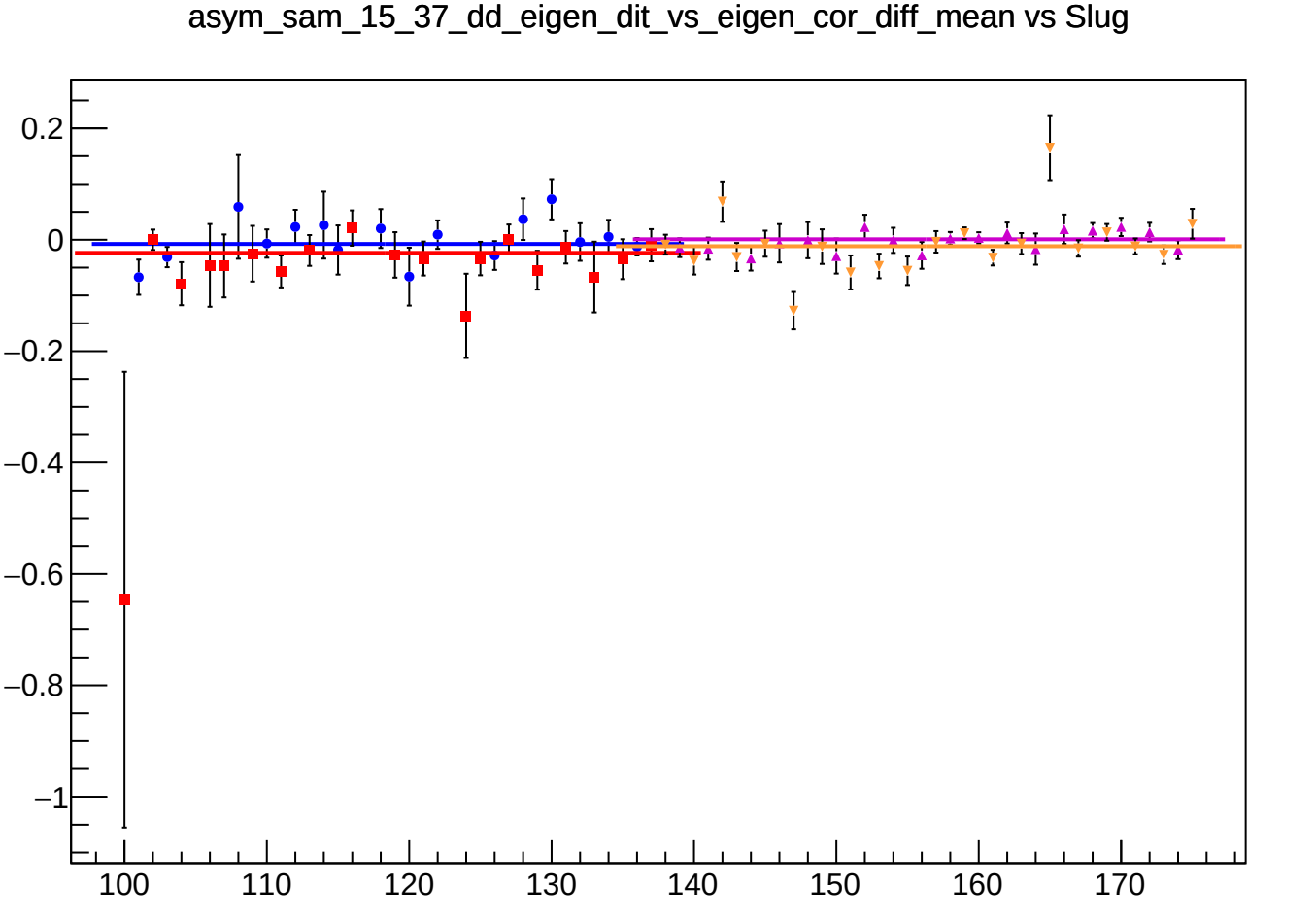
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

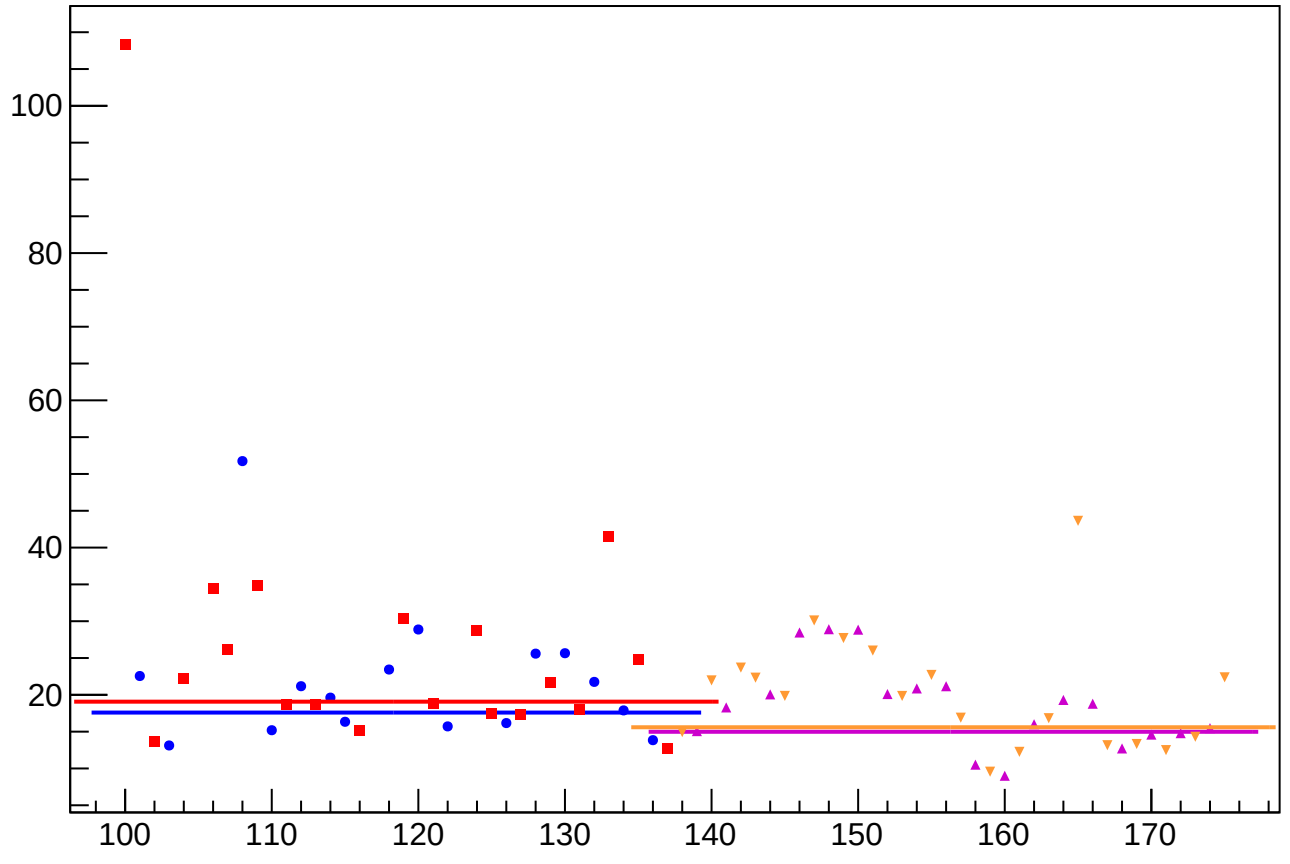
Left In: 14.982+/-0.003 χ^2/NDF:2768423.5/17

\+ sign 16.116+/-0.003 χ^2/NDF: 4284727.1/35

All: 16.021+/-0.002 χ^2/NDF: 8733248.3/72

\- sign 15.924+/-0.003 χ^2/NDF: 4445840.0/36


asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
Right In: -0.008+/-0.007 χ²/NDF: 16.7/15
Left Out: -0.012+/-0.004 χ²/NDF:48.9/19
Right Out: -0.024+/-0.008 χ²/NDF: 14.6/18
Left In: 0.001+/-0.004 χ²/NDF:13.6/17
+ sign -0.011+/-0.004 χ²/NDF: 65.8/35
All: -0.008+/-0.003 χ²/NDF: 103.0/72
- sign -0.005+/-0.004 χ²/NDF: 35.9/36



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.596+/-0.003 χ^2/NDF:3177863.9/19

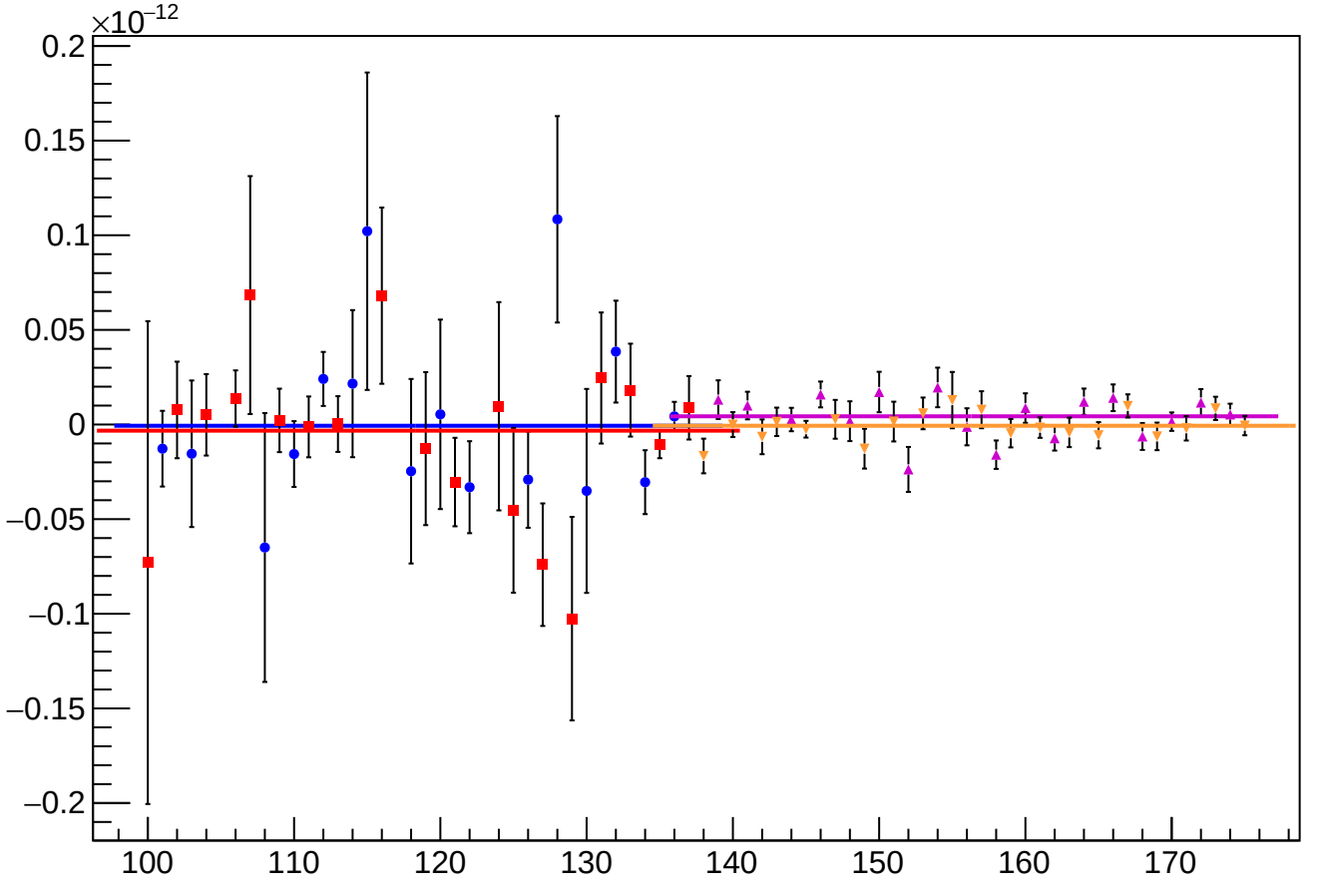
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.982+/-0.003 χ^2/NDF:2768423.5/17

+ sign 16.116+/-0.003 χ^2/NDF: 4284727.1/35

All: 16.021+/-0.002 χ^2/NDF: 8733248.3/72

- sign 15.924+/-0.003 χ^2/NDF: 4445840.0/36



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/19

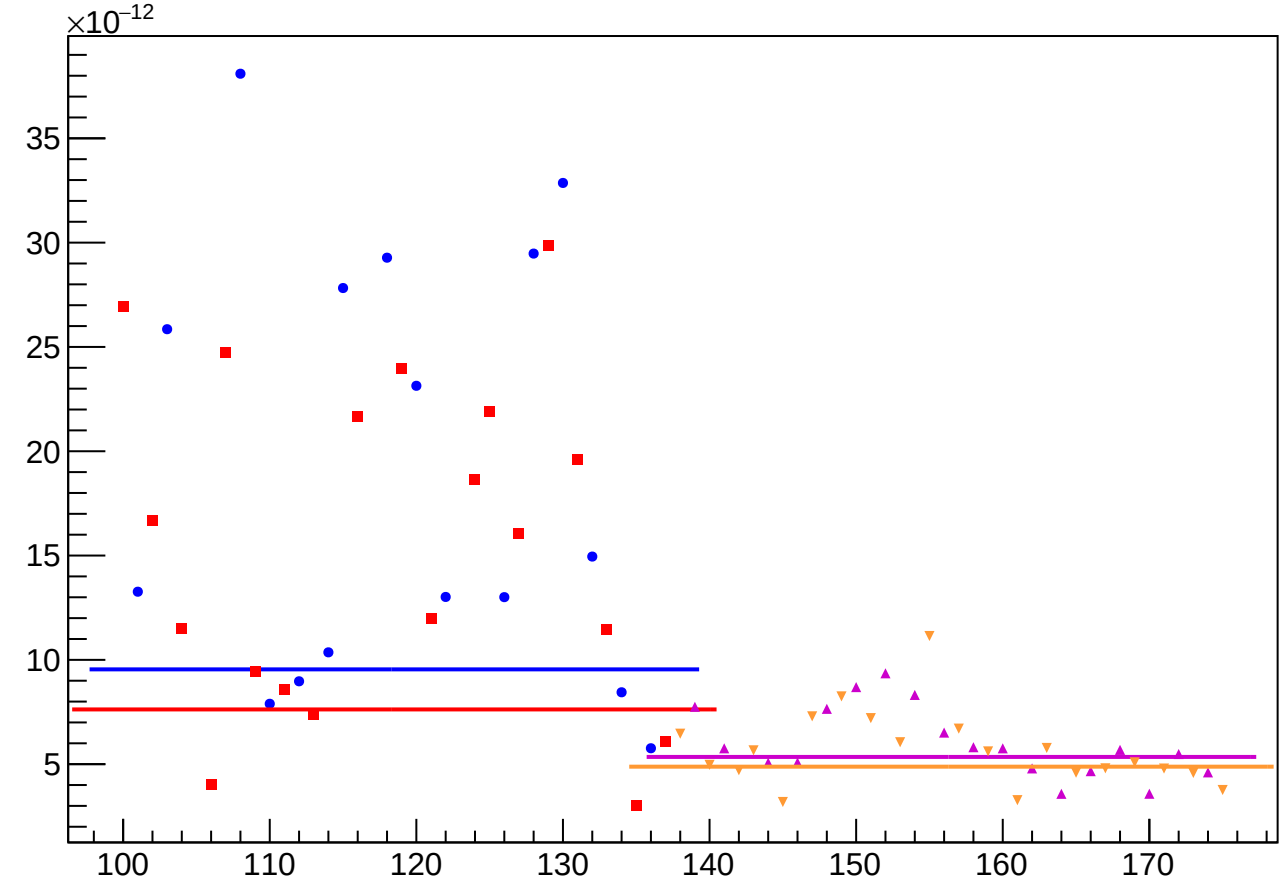
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:31.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 34.5/35

All: 0.000+/-0.000 χ^2/NDF: 90.8/72

- sign 0.000+/-0.000 χ^2/NDF: 53.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1582652.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

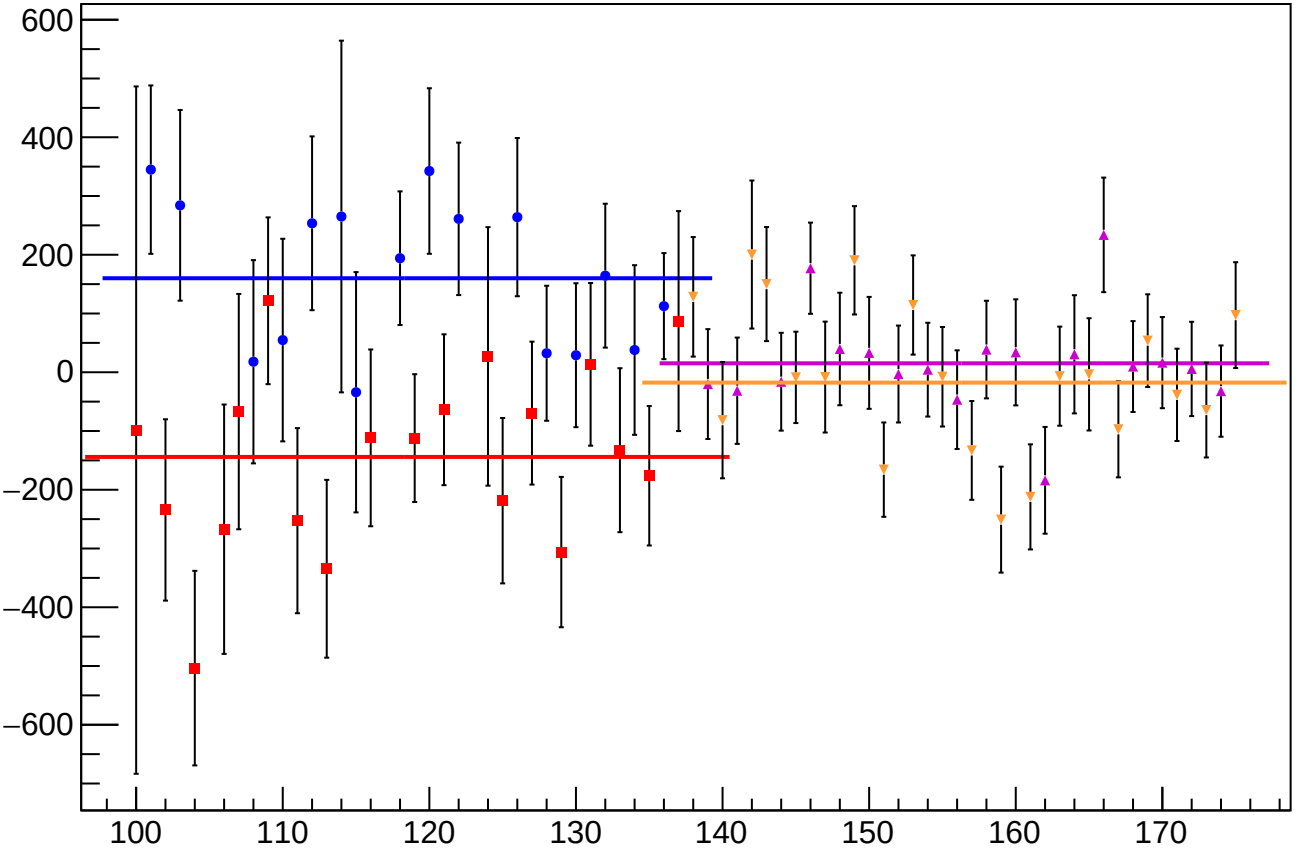
Left In: 0.000+/-0.000 χ^2/NDF:1309835.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 5758182.1/35

All: 0.000+/-0.000 χ^2/NDF: 10651007.1/72

- sign 0.000+/-0.000 χ^2/NDF: 4843898.1/36

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -17.622+/-19.664 χ^2/NDF:36.6/19

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

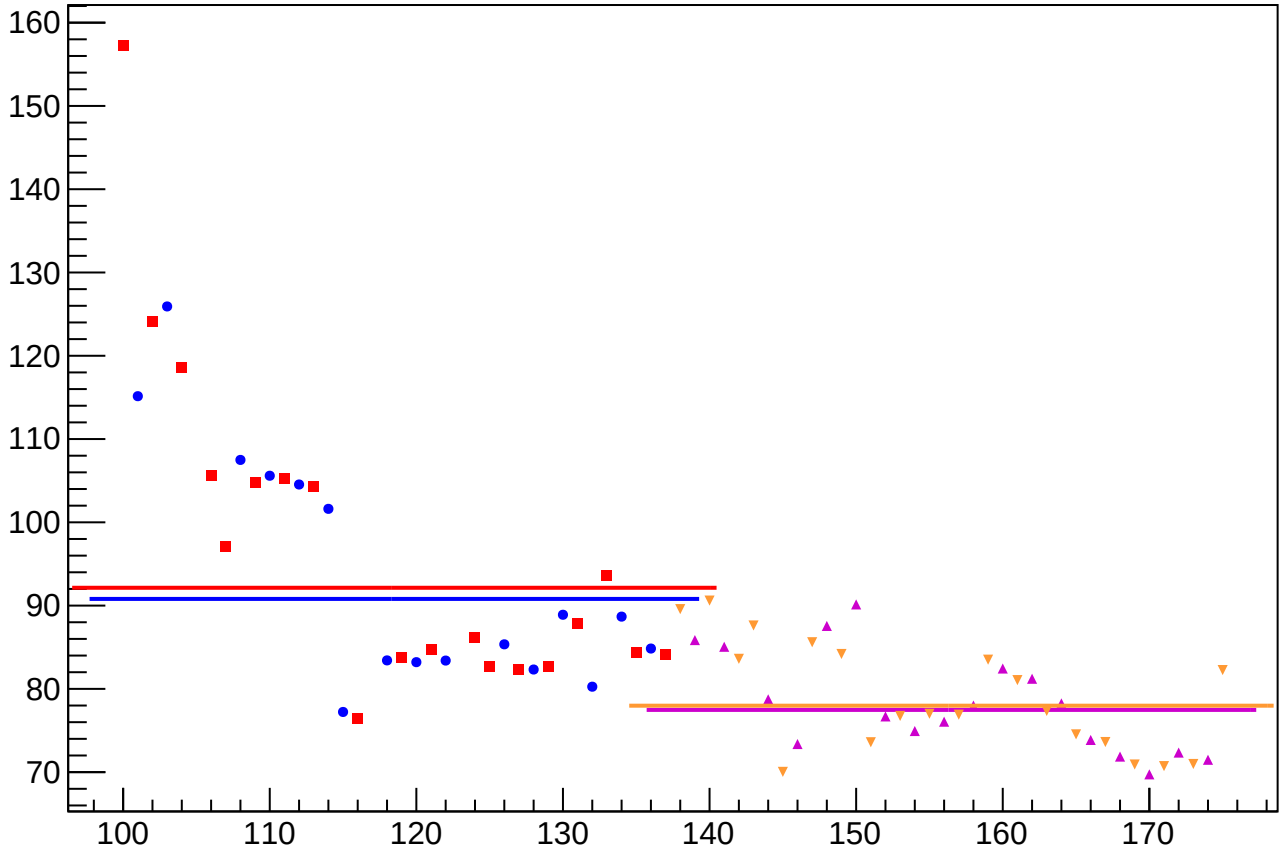
Left In: 15.253+/-20.167 χ^2/NDF:16.0/17

+ sign 26.572+/-17.043 χ^2/NDF: 67.9/35

All: 0.868+/-12.166 χ^2/NDF: 122.0/72

- sign -25.842+/-17.373 χ^2/NDF: 49.5/36

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 77.981+/-0.014 χ^2/NDF:203106.1/19

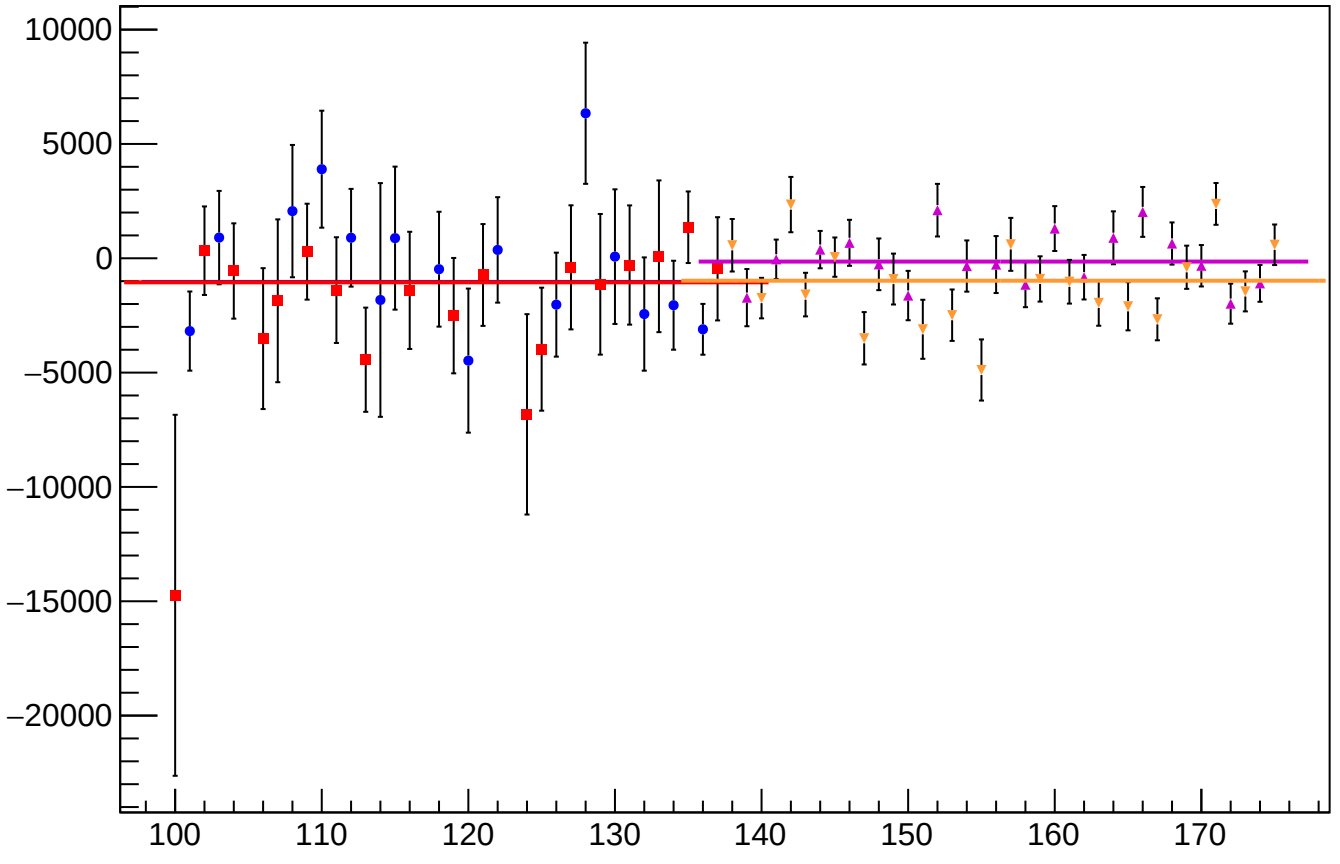
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 77.474+/-0.014 χ^2/NDF:159303.5/17

+ sign 81.171+/-0.012 χ^2/NDF: 687369.7/35

All: 81.213+/-0.009 χ^2/NDF: 1421515.9/72

- sign 81.256+/-0.012 χ^2/NDF: 734121.6/36



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -981.038+/-226.247 χ^2/NDF:54.5/19

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

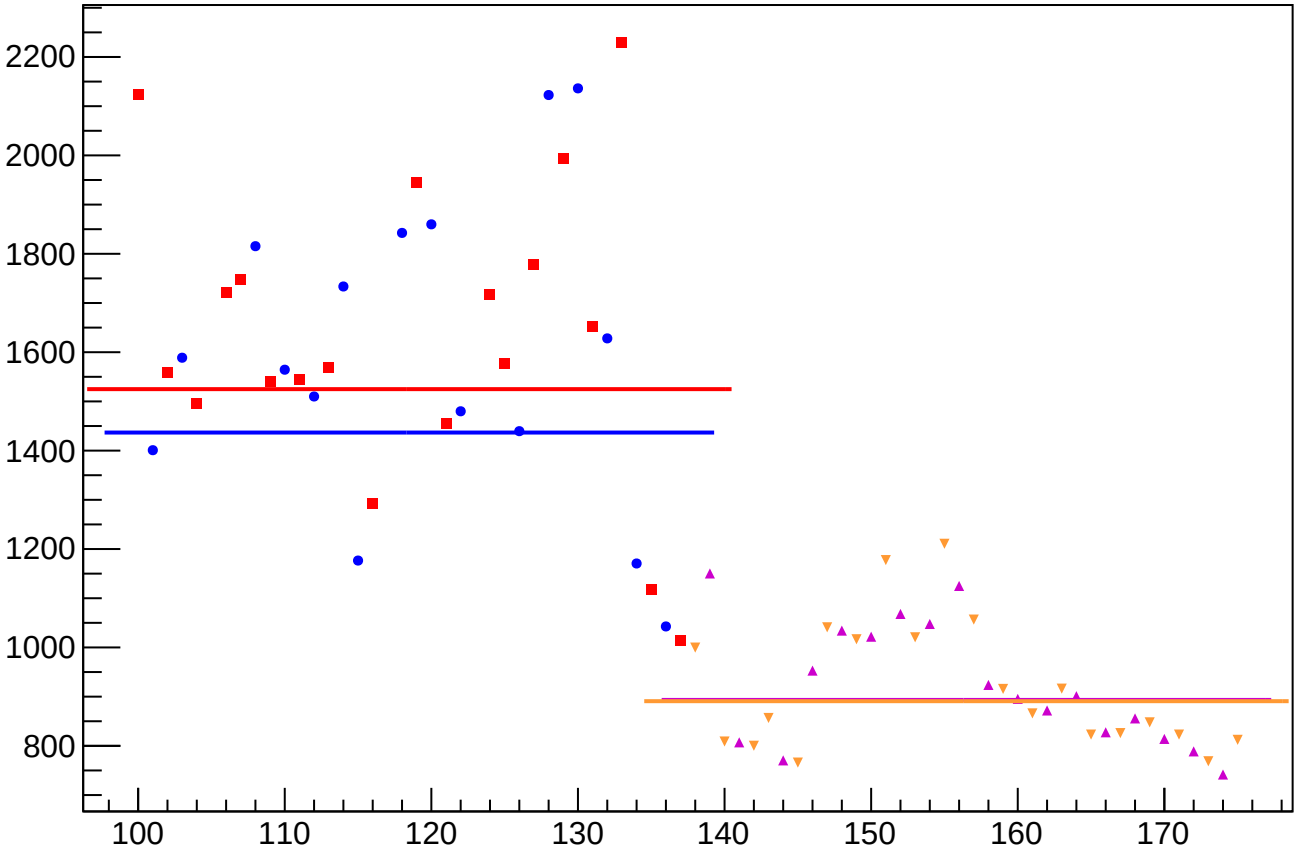
Left In: -144.226+/-234.065 χ^2/NDF:23.5/17

+ sign -988.848+/-209.247 χ^2/NDF: 74.8/35

All: -644.289+/-150.446 χ^2/NDF: 118.9/72

- sign -275.562+/-216.462 χ^2/NDF: 38.6/36

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 890.782+/-0.160 χ^2/NDF:523806.5/19

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

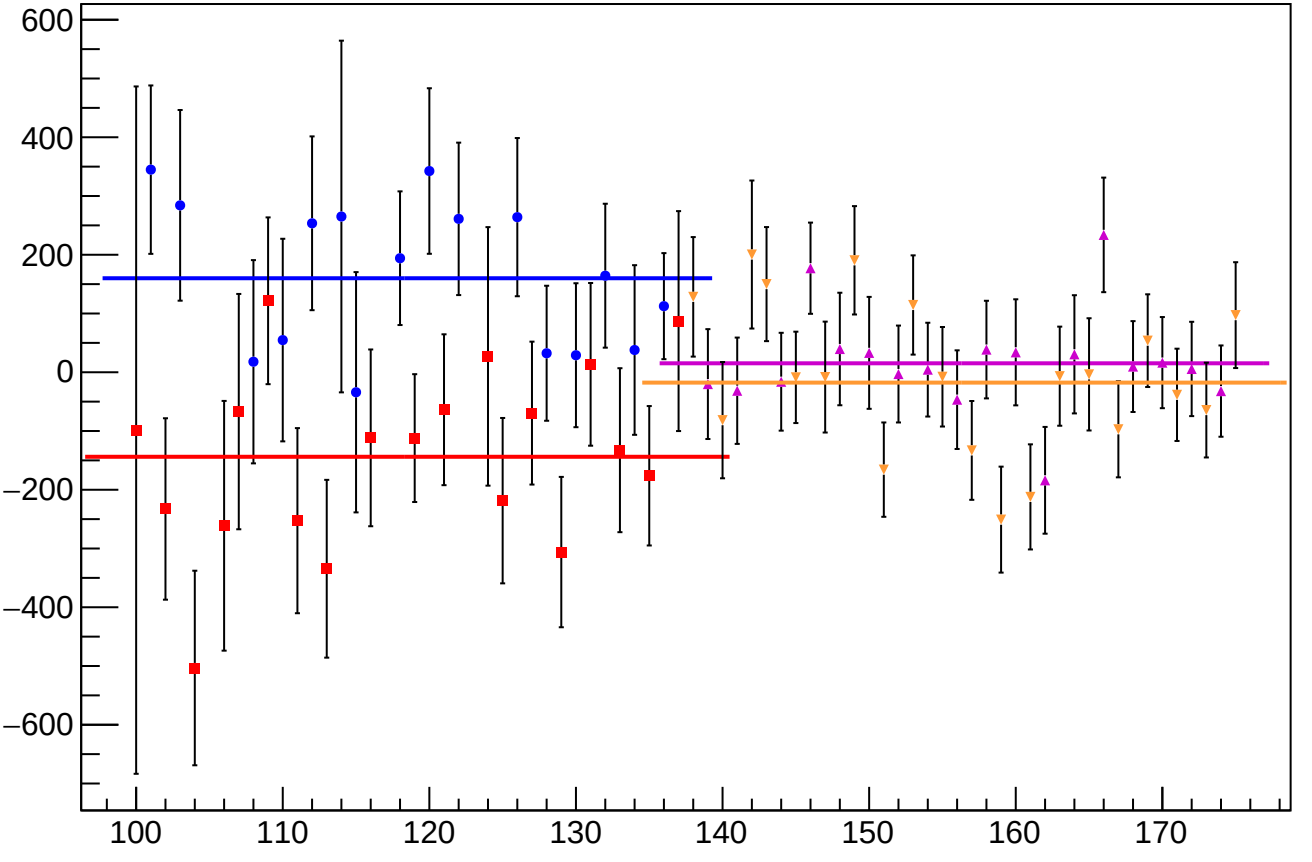
Left In: 893.327+/-0.166 χ^2/NDF:497412.7/17

+ sign 969.745+/-0.148 χ^2/NDF: 2883857.7/35

All: 976.997+/-0.106 χ^2/NDF: 5999041.7/72

- sign 984.759+/-0.153 χ^2/NDF: 3110209.7/36

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -17.621+/-19.664 χ^2/NDF:36.6/19

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

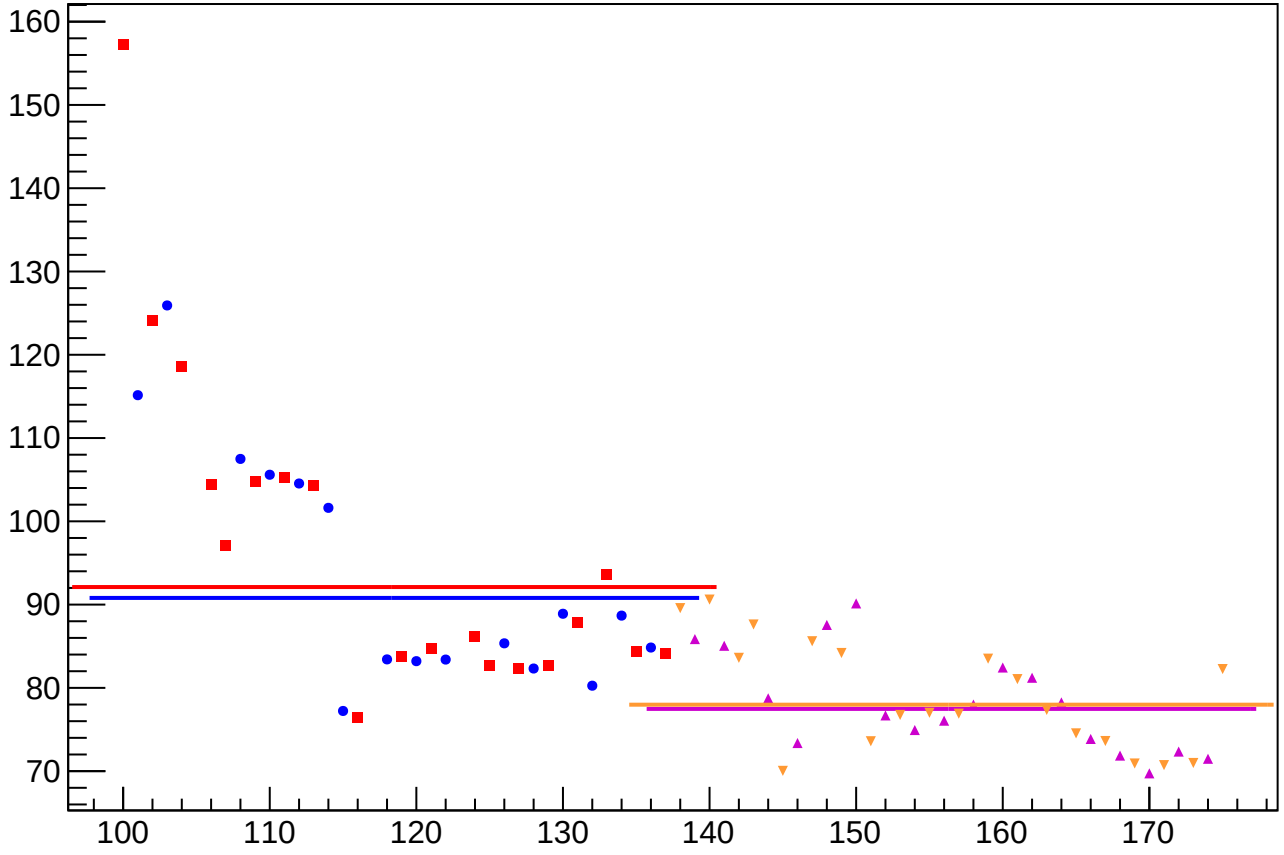
Left In: 15.256+/-20.167 χ^2/NDF:16.0/17

\+ sign 26.573+/-17.043 χ^2/NDF: 67.9/35

All: 0.904+/-12.167 χ^2/NDF: 121.9/72

\- sign -25.770+/-17.374 χ^2/NDF: 49.4/36

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.981+/-0.014 χ^2/NDF:203106.1/19

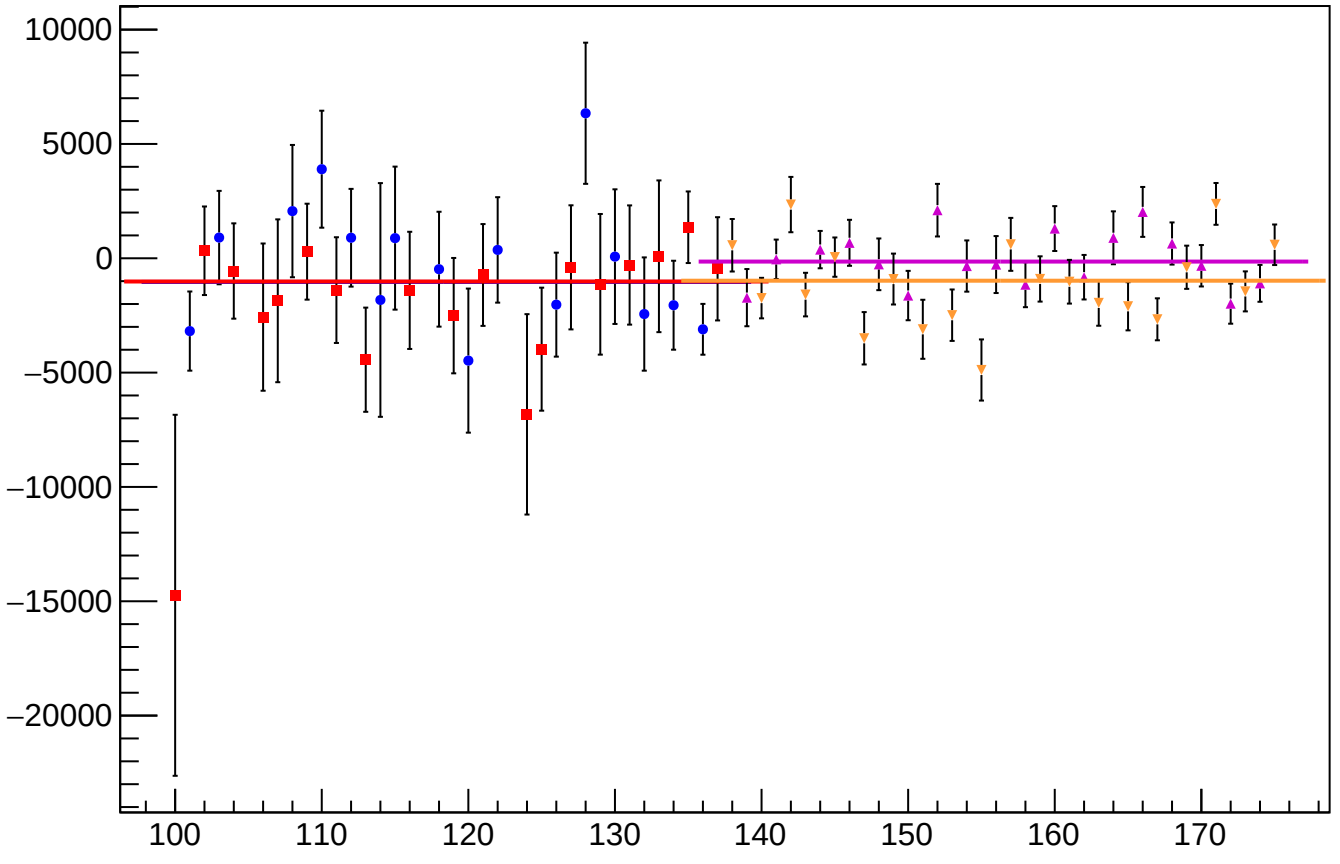
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.474+/-0.014 χ^2/NDF:159303.5/17

+ sign 81.171+/-0.012 χ^2/NDF: 687371.7/35

All: 81.208+/-0.009 χ^2/NDF: 1418994.3/72

- sign 81.247+/-0.012 χ^2/NDF: 731602.8/36



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -981.035+/-226.247 χ^2/NDF:54.5/19

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

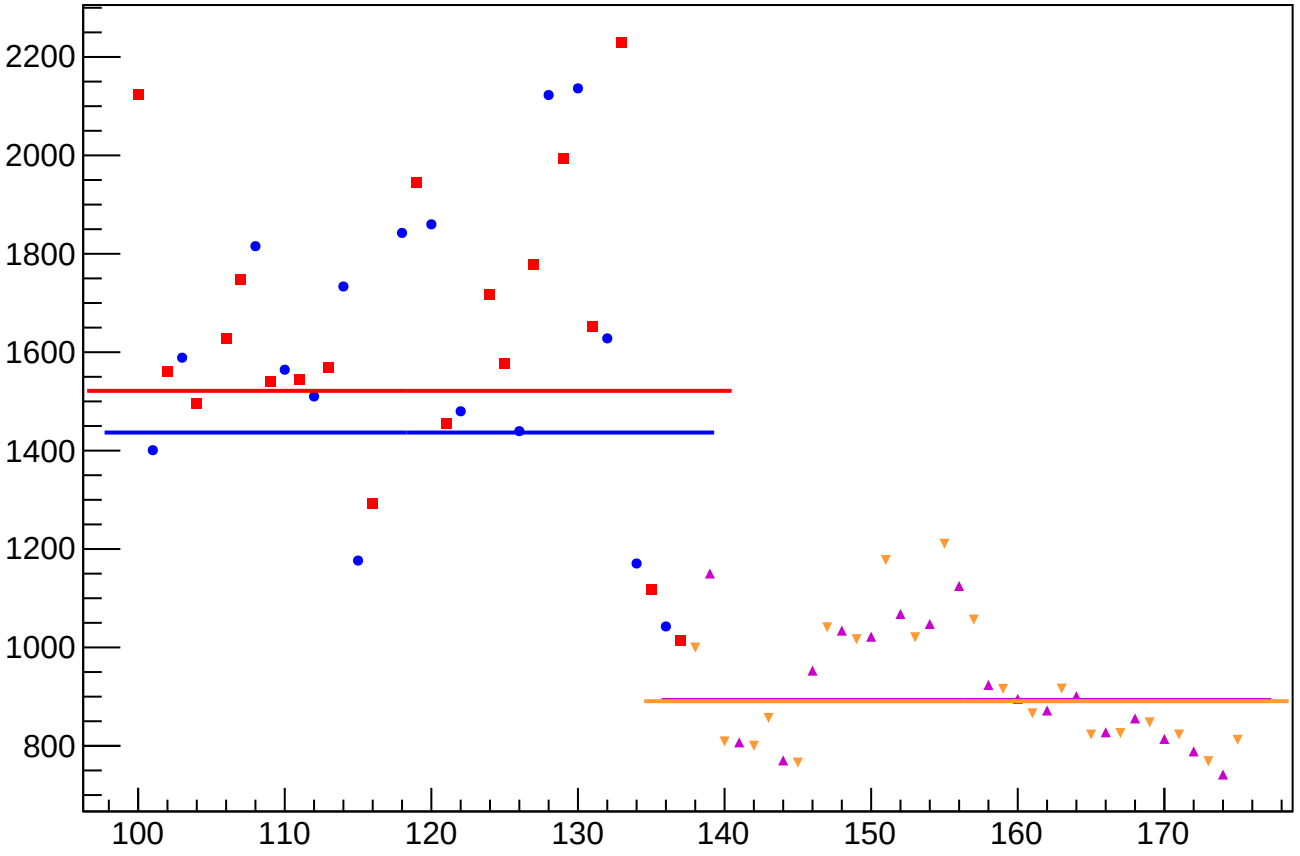
Left In: -144.225+/-234.065 χ^2/NDF:23.5/17

+ sign -988.842+/-209.247 χ^2/NDF: 74.8/35

All: -641.683+/-150.461 χ^2/NDF: 118.4/72

- sign -270.014+/-216.508 χ^2/NDF: 38.0/36

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 890.782+/-0.160 χ^2/NDF:523807.8/19

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

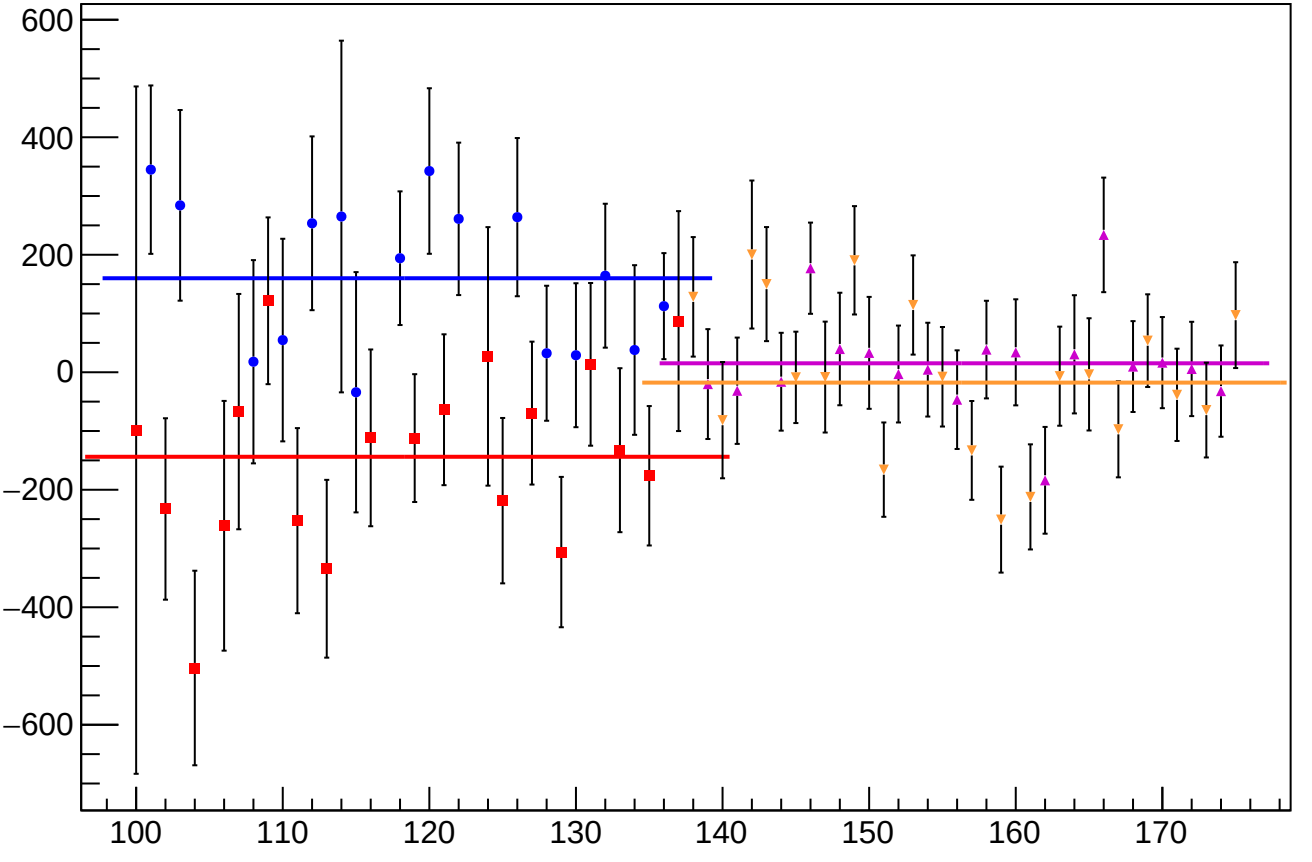
Left In: 893.327+/-0.166 χ^2/NDF:497412.1/17

+ sign 969.744+/-0.148 χ^2/NDF: 2883882.6/35

All: 976.644+/-0.106 χ^2/NDF: 5964118.8/72

- sign 984.030+/-0.153 χ^2/NDF: 3075734.2/36

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -17.621+/-19.664 χ^2/NDF:36.6/19

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

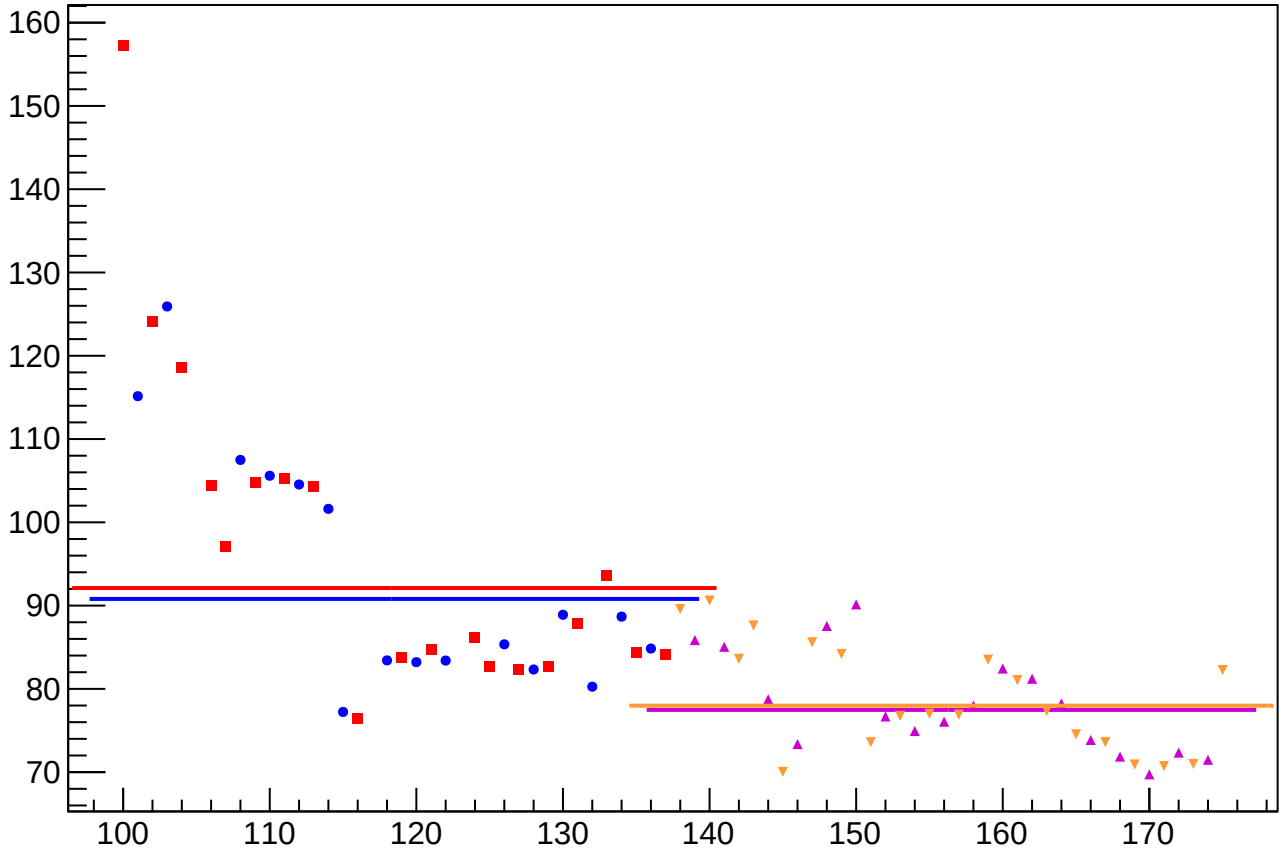
Left In: 15.256+/-20.167 χ^2/NDF:16.0/17

+ sign 26.573+/-17.043 χ^2/NDF: 67.9/35

All: 0.904+/-12.167 χ^2/NDF: 121.9/72

- sign -25.770+/-17.374 χ^2/NDF: 49.4/36

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.981+/-0.014 χ^2/NDF:203106.1/19

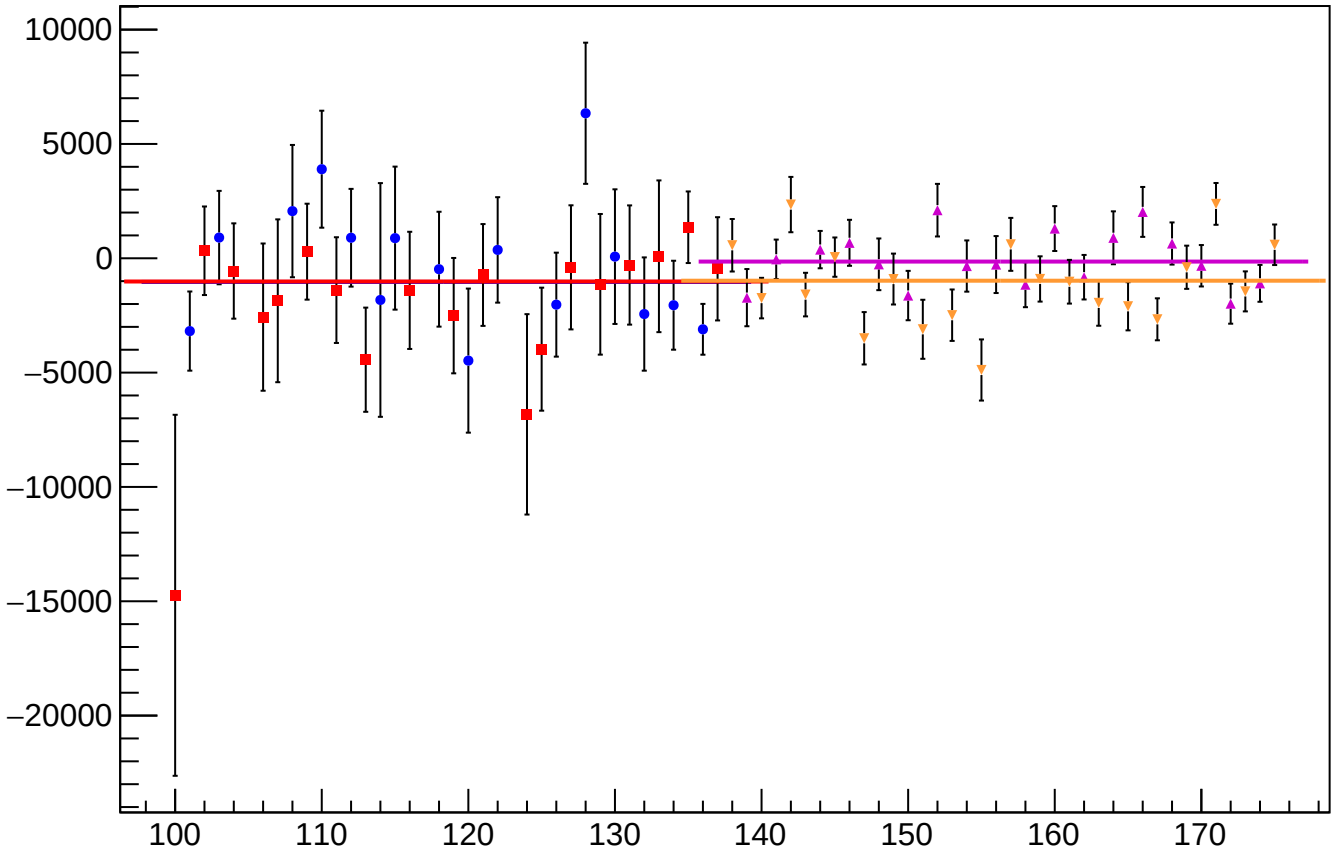
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.474+/-0.014 χ^2/NDF:159303.5/17

+ sign 81.171+/-0.012 χ^2/NDF: 687371.7/35

All: 81.208+/-0.009 χ^2/NDF: 1418994.3/72

- sign 81.247+/-0.012 χ^2/NDF: 731602.8/36



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -981.035+/-226.247 χ^2/NDF:54.5/19

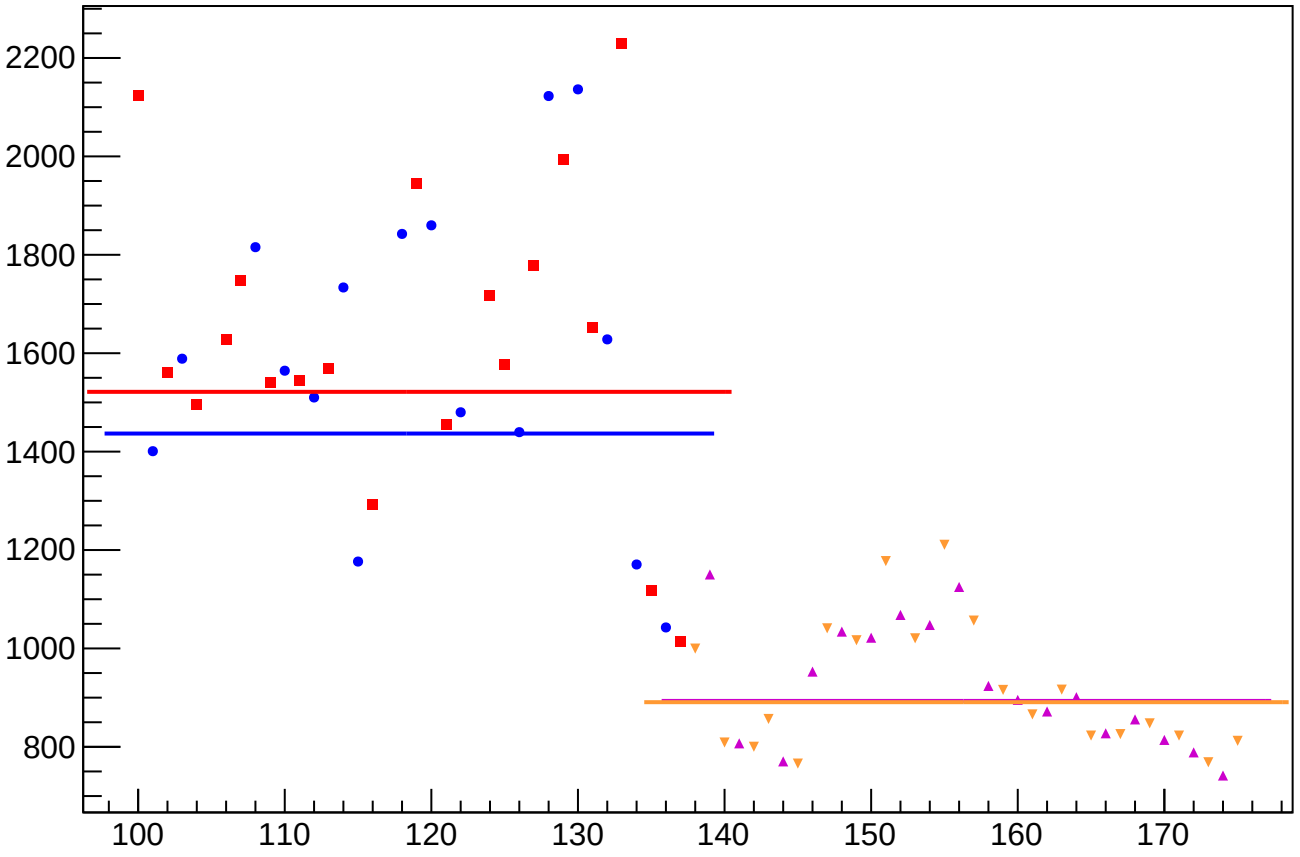
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -144.225+/-234.065 χ^2/NDF:23.5/17

+ sign -988.842+/-209.247 χ^2/NDF: 74.8/35

All: -641.683+/-150.461 χ^2/NDF: 118.4/72

- sign -270.014+/-216.508 χ^2/NDF: 38.0/36



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 890.782+/-0.160 χ^2/NDF:523807.8/19

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

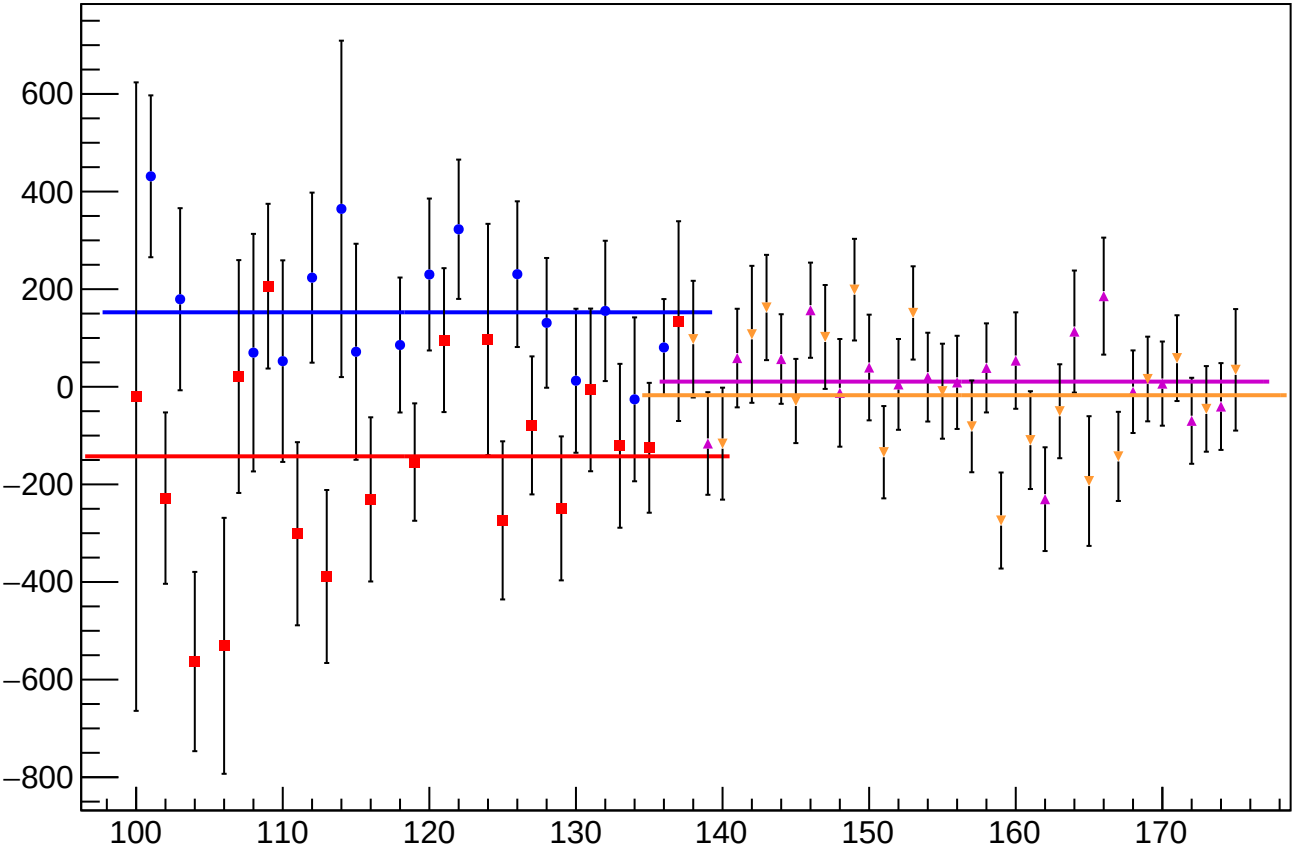
Left In: 893.327+/-0.166 χ^2/NDF:497412.1/17

+ sign 969.744+/-0.148 χ^2/NDF: 2883882.6/35

All: 976.644+/-0.106 χ^2/NDF: 5964118.8/72

- sign 984.030+/-0.153 χ^2/NDF: 3075734.2/36

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -17.287+/-22.463 χ^2/NDF:28.5/19

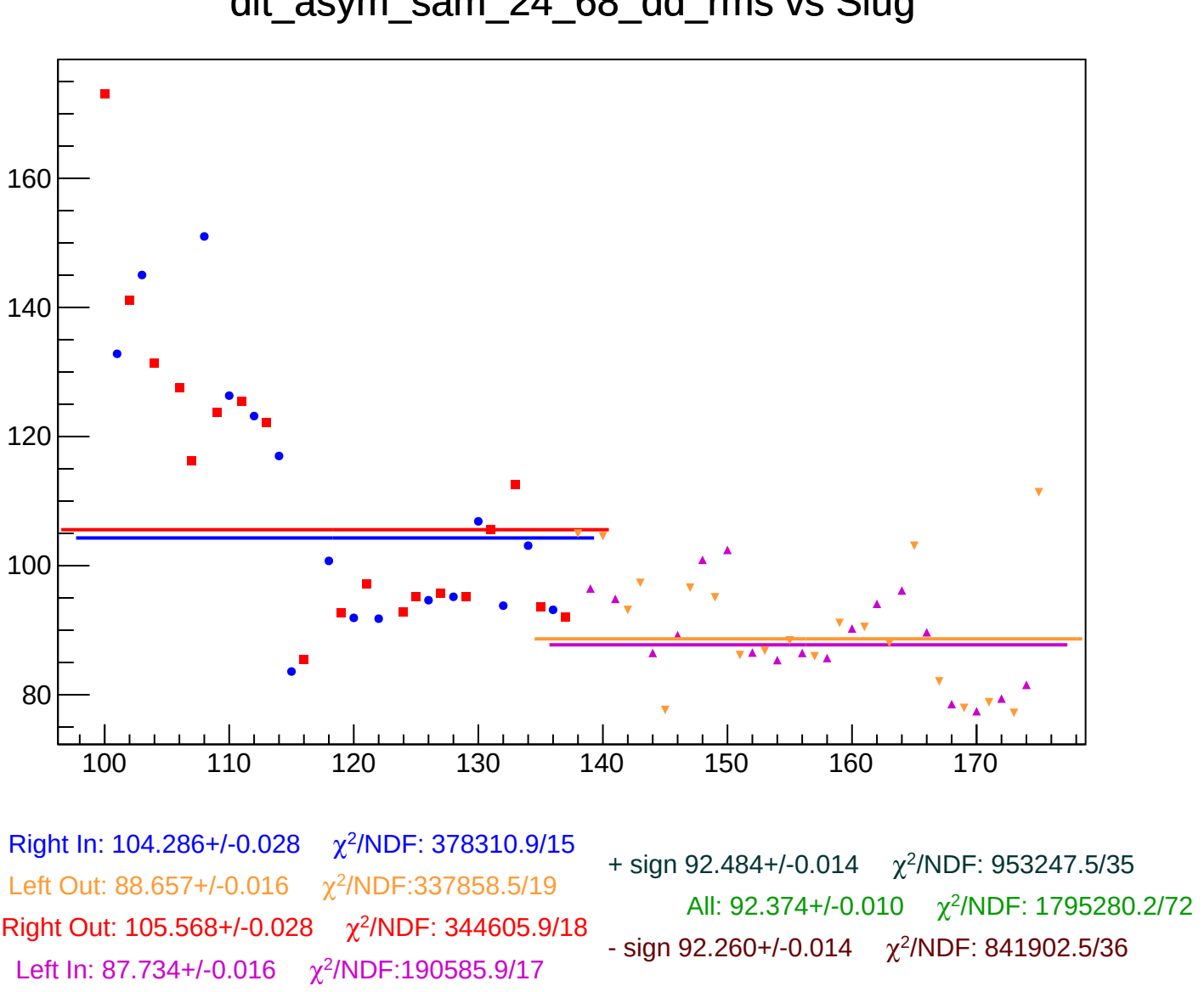
Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: 10.593+/-22.943 χ^2/NDF:13.8/17

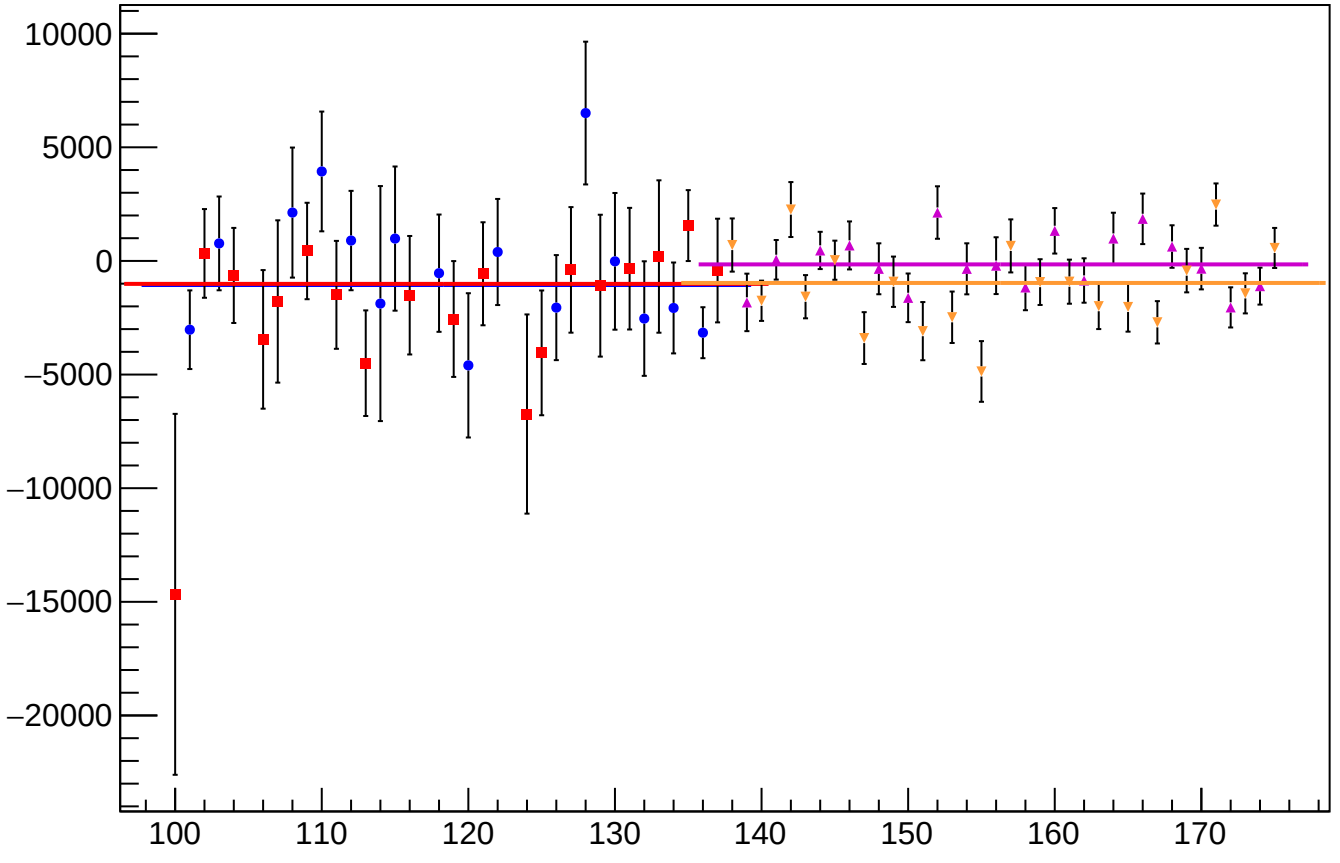
+ sign 24.320+/-19.520 χ^2/NDF: 51.2/35

All: -1.571+/-13.907 χ^2/NDF: 102.7/72

- sign -28.260+/-19.819 χ^2/NDF: 48.0/36


dit_asym_sam_24_68_dd_rms vs Slug
160
140
120
100
80
100
110
120
130
140
150
160
170
Right In: 104.286+/-0.028 χ²/NDF: 378310.9/15
Left Out: 88.657+/-0.016 χ²/NDF:337858.5/19
Right Out: 105.568+/-0.028 χ²/NDF: 344605.9/18
Left In: 87.734+/-0.016 χ²/NDF:190585.9/17
+ sign 92.484+/-0.014 χ²/NDF: 953247.5/35
All: 92.374+/-0.010 χ²/NDF: 1795280.2/72
- sign 92.260+/-0.014 χ²/NDF: 841902.5/36

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -968.535+/-227.763 χ^2/NDF:54.1/19

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

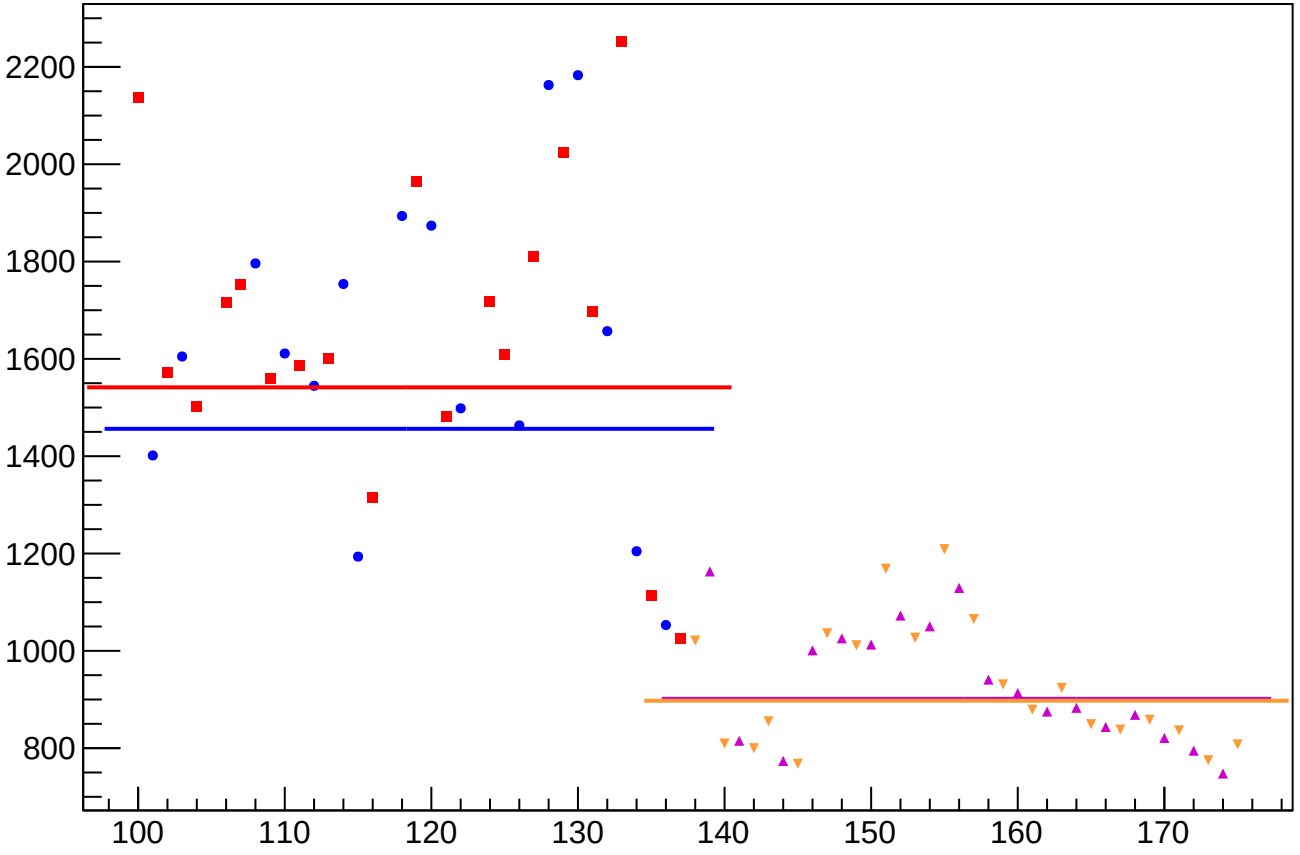
Left In: -152.287+/-236.083 χ^2/NDF:23.5/17

+ sign -981.520+/-210.854 χ^2/NDF: 74.1/35

All: -641.140+/-151.693 χ^2/NDF: 118.3/72

- sign -275.969+/-218.398 χ^2/NDF: 38.7/36

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 897.378+/-0.161 χ^2/NDF:508821.6/19

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

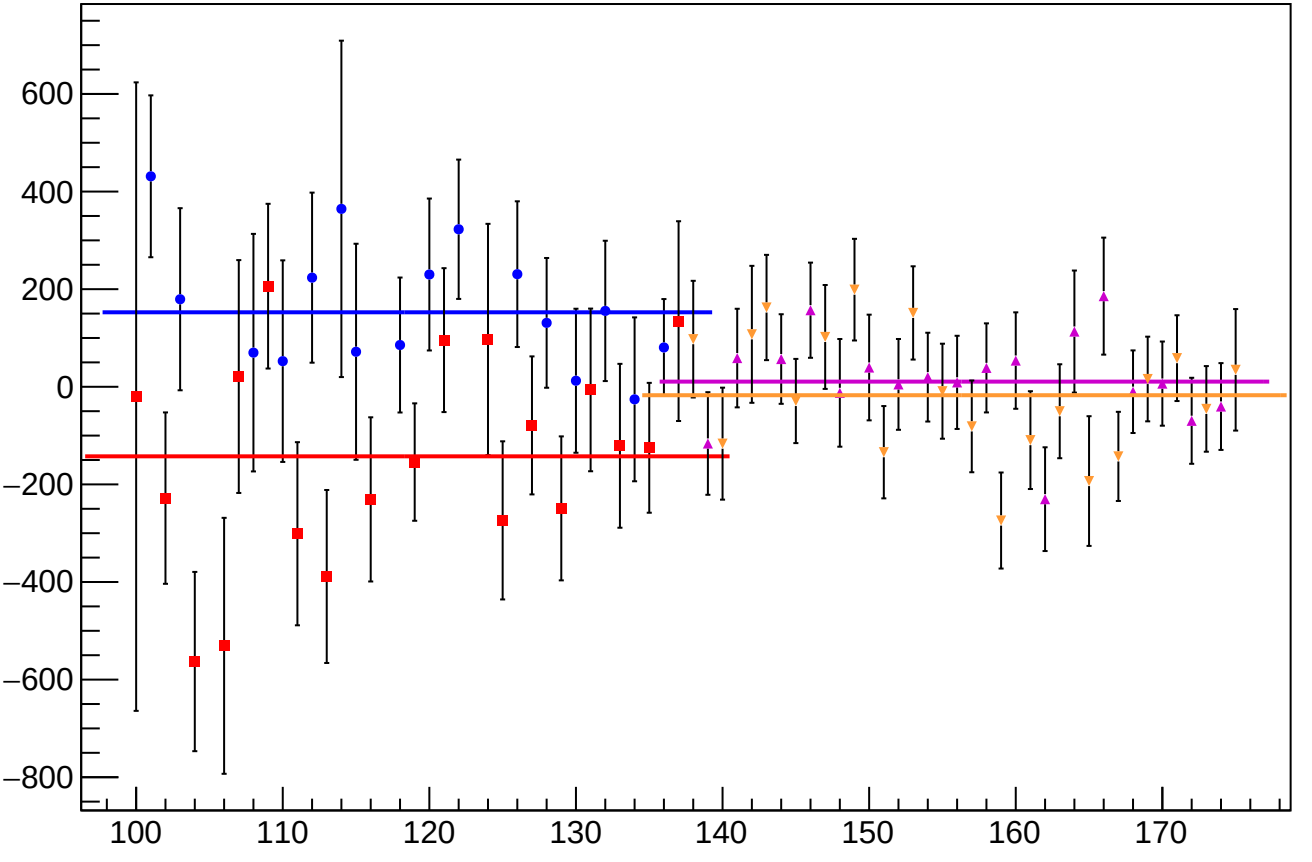
Left In: 901.320+/-0.167 χ^2/NDF:492690.4/17

+ sign 977.288+/-0.149 χ^2/NDF: 2915565.2/35

All: 985.180+/-0.107 χ^2/NDF: 6054409.6/72

- sign 993.647+/-0.154 χ^2/NDF: 3133037.0/36

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -17.287+/-22.463 χ^2/NDF:28.5/19

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

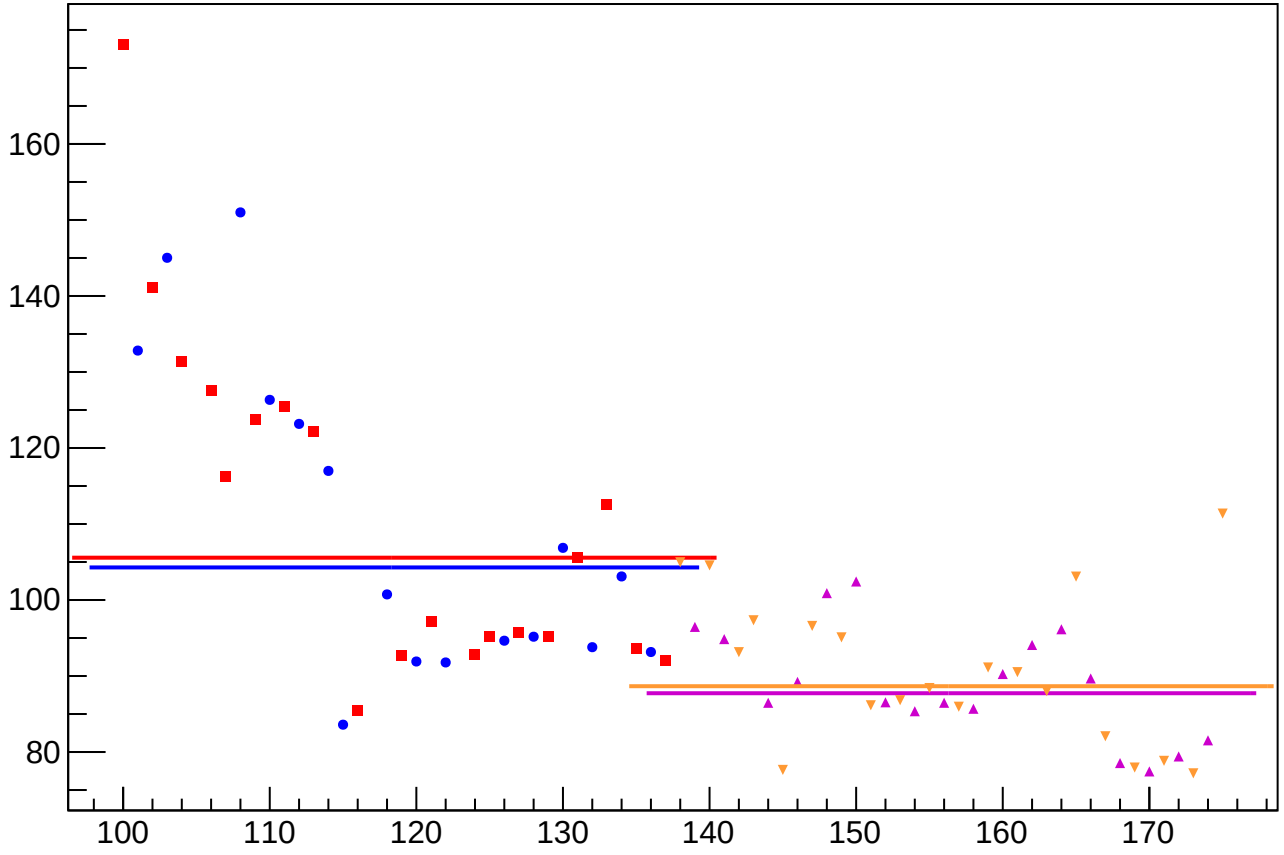
Left In: 10.593+/-22.943 χ^2/NDF:13.8/17

+ sign 24.321+/-19.520 χ^2/NDF: 51.2/35

All: -1.570+/-13.907 χ^2/NDF: 102.7/72

- sign -28.260+/-19.819 χ^2/NDF: 48.0/36

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 88.657+/-0.016 χ^2/NDF:337856.8/19

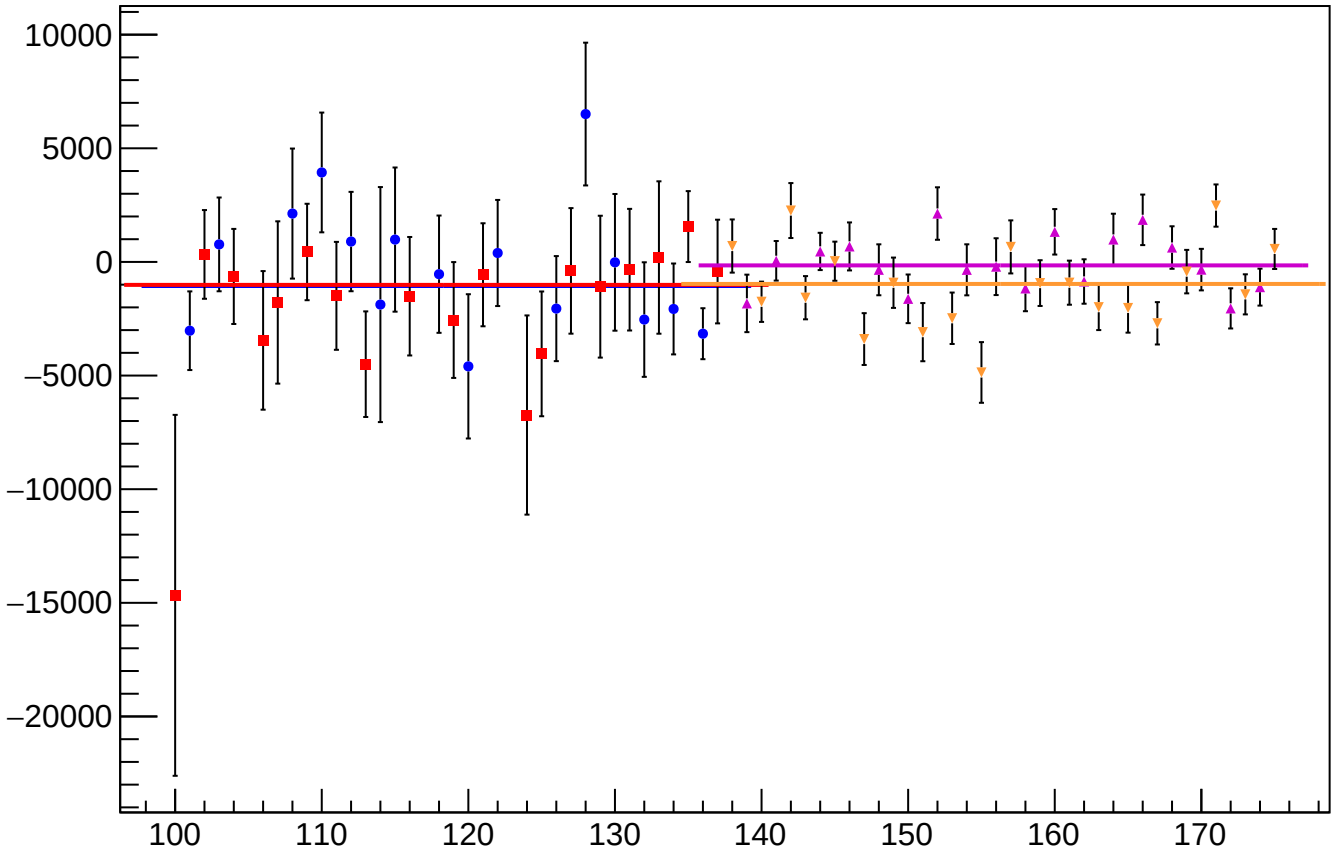
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 87.734+/-0.016 χ^2/NDF:190586.4/17

+ sign 92.484+/-0.014 χ^2/NDF: 953218.2/35

All: 92.374+/-0.010 χ^2/NDF: 1795229.0/72

- sign 92.260+/-0.014 χ^2/NDF: 841880.6/36



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -968.535+/-227.763 χ^2/NDF:54.1/19

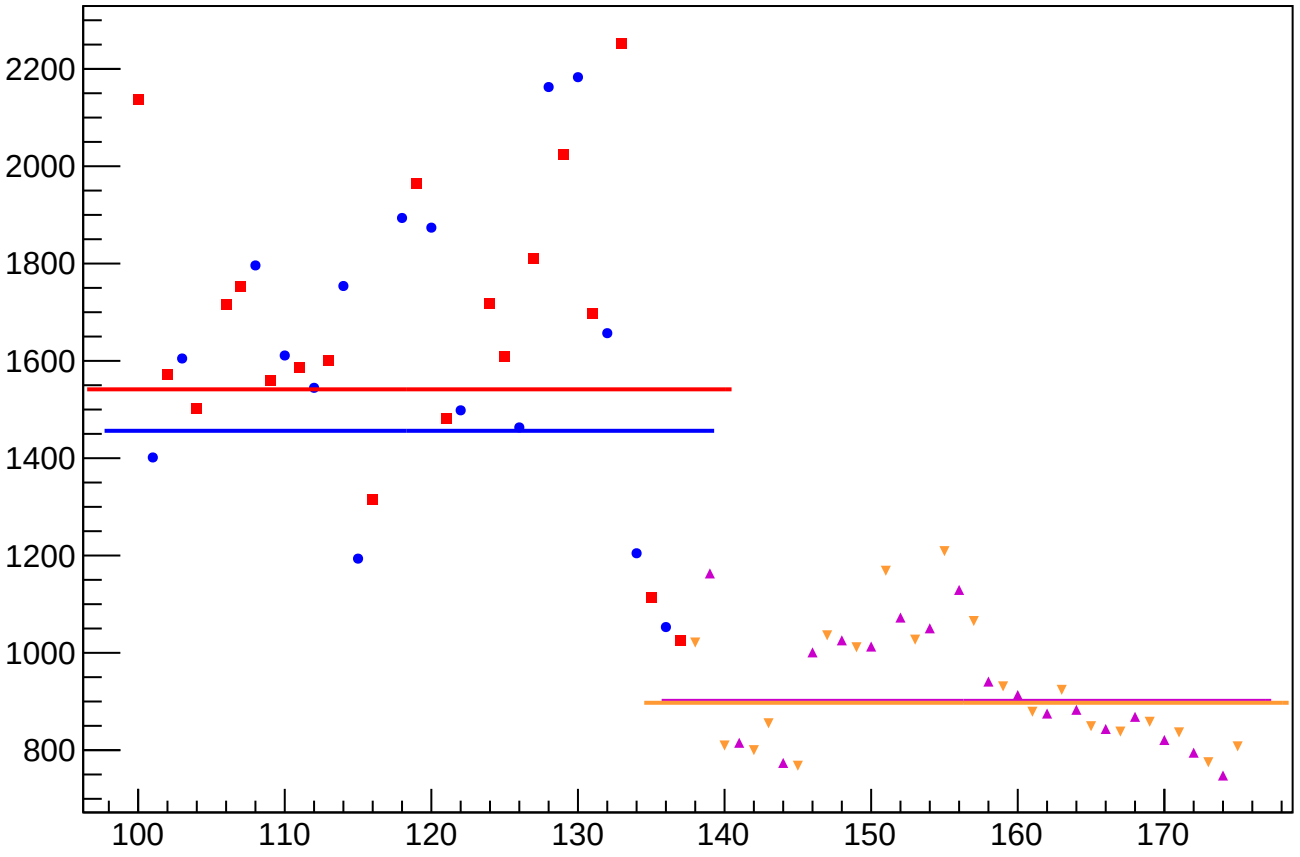
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -152.286+/-236.083 χ^2/NDF:23.5/17

+ sign -981.520+/-210.854 χ^2/NDF: 74.1/35

All: -641.139+/-151.693 χ^2/NDF: 118.3/72

- sign -275.968+/-218.397 χ^2/NDF: 38.7/36



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 897.378+/-0.161 χ^2/NDF:508822.1/19

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

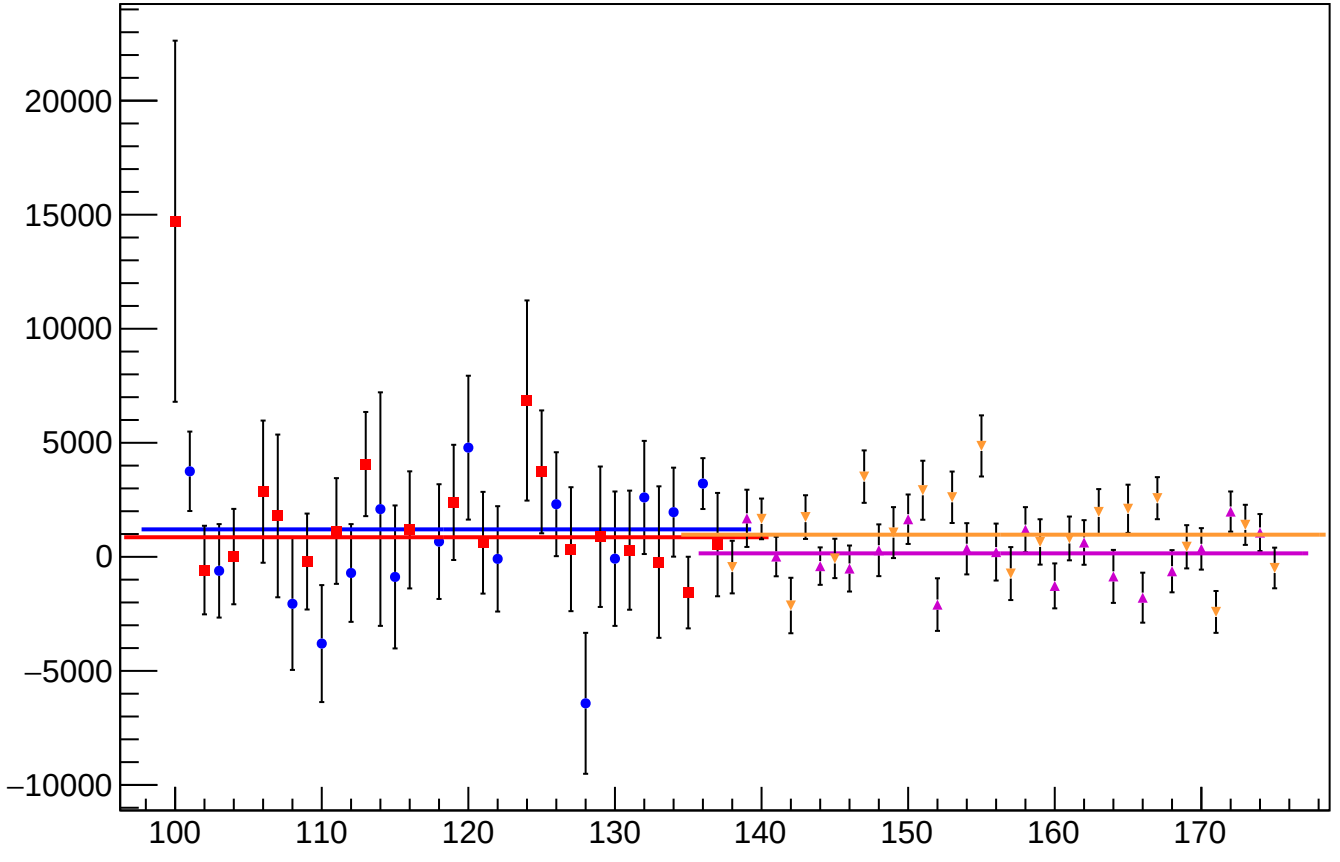
Left In: 901.319+/-0.167 χ^2/NDF:492689.8/17

\+ sign 977.287+/-0.149 χ^2/NDF: 2915556.3/35

All: 985.179+/-0.107 χ^2/NDF: 6054392.5/72

\- sign 993.646+/-0.154 χ^2/NDF: 3133028.8/36

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 971.613+/-227.188 χ^2/NDF:52.8/19

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

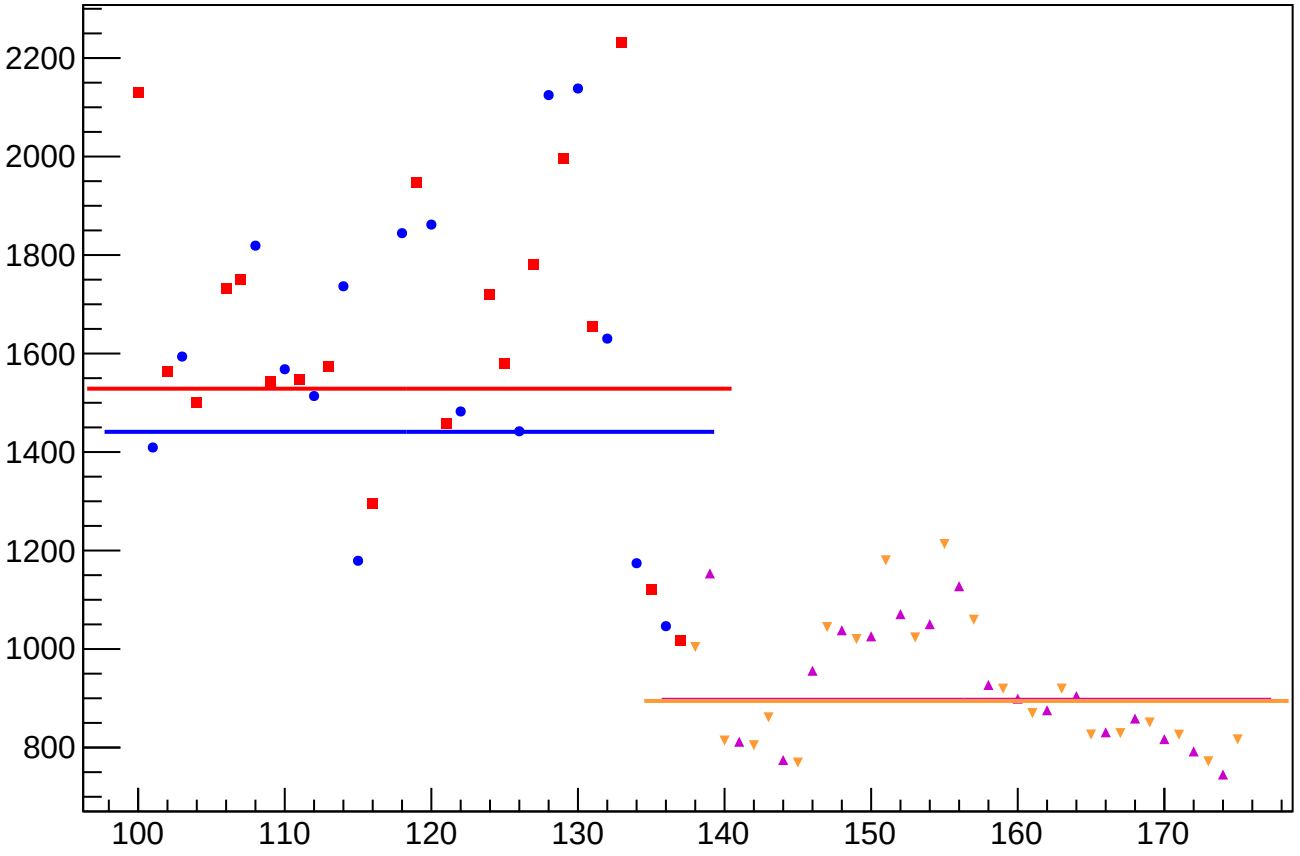
Left In: 152.888+/-235.002 χ^2/NDF:21.9/17

+ sign 1005.404+/-210.075 χ^2/NDF: 74.1/35

All: 643.047+/-151.029 χ^2/NDF: 115.9/72

- sign 255.396+/-217.283 χ^2/NDF: 35.7/36

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 894.608+/-0.161 χ^2/NDF:517879.3/19

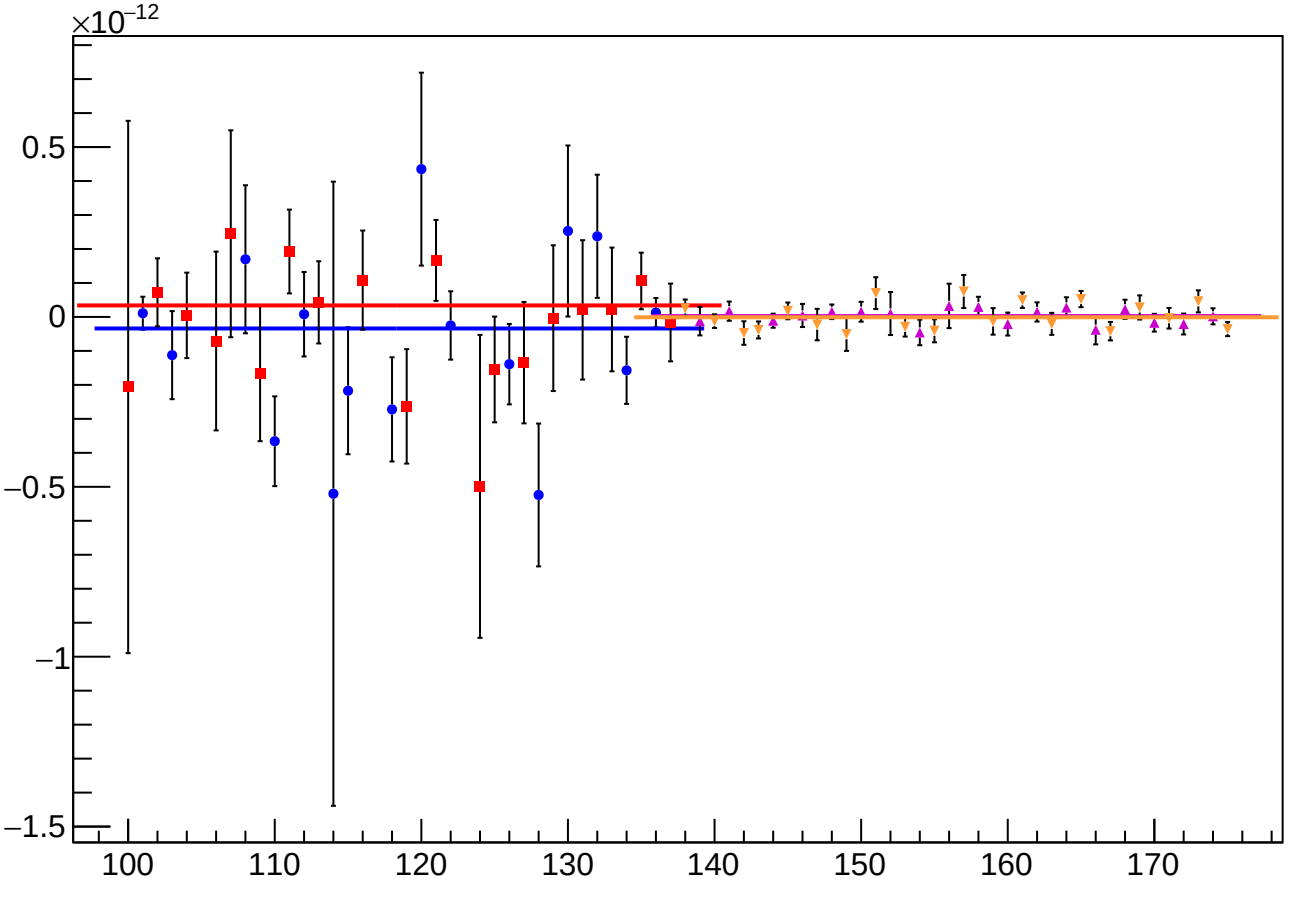
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 897.010+/-0.166 χ^2/NDF:492026.1/17

+ sign 973.825+/-0.149 χ^2/NDF: 2865833.4/35

All: 980.997+/-0.107 χ^2/NDF: 5961096.1/72

- sign 988.669+/-0.154 χ^2/NDF: 3090438.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.4/19

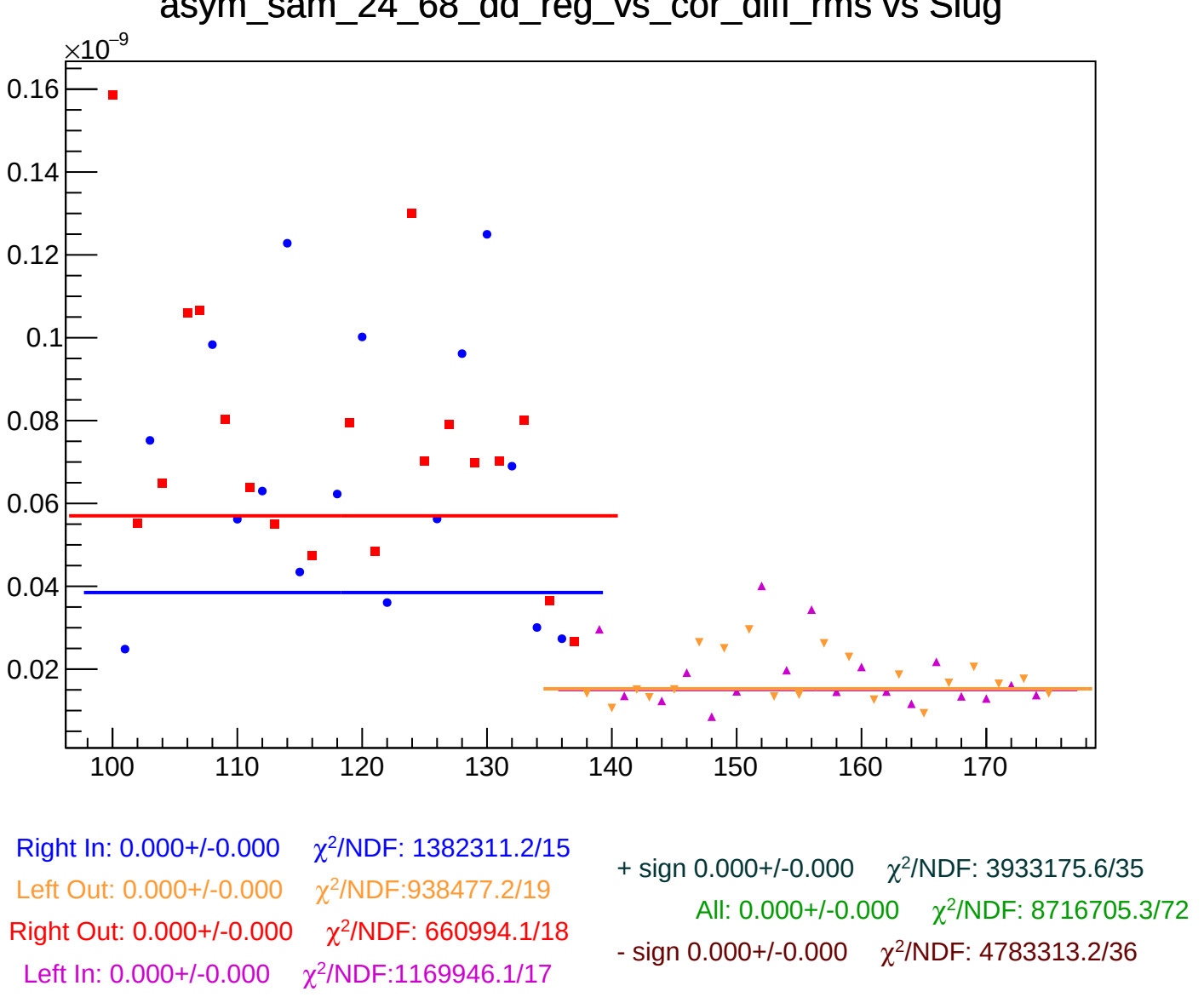
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

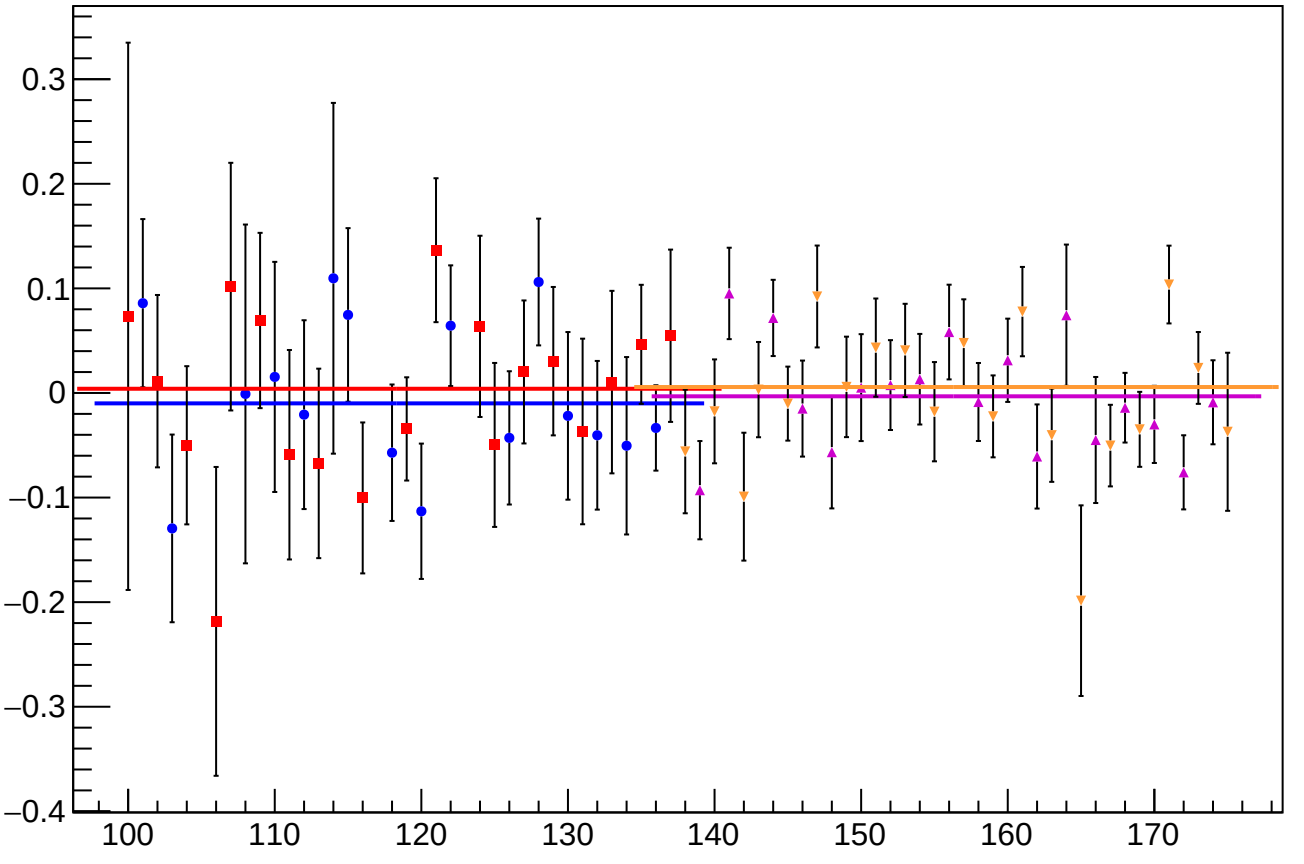
Left In: 0.000+/-0.000 χ^2/NDF:7.9/17

+ sign -0.000+/-0.000 χ^2/NDF: 61.4/35

All: 0.000+/-0.000 χ^2/NDF: 83.7/72

- sign 0.000+/-0.000 χ^2/NDF: 21.7/36


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1382311.2/15
Left Out: 0.000+/-0.000 χ²/NDF:938477.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 660994.1/18
Left In: 0.000+/-0.000 χ²/NDF:1169946.1/17
+ sign 0.000+/-0.000 χ²/NDF: 3933175.6/35
All: 0.000+/-0.000 χ²/NDF: 8716705.3/72
- sign 0.000+/-0.000 χ²/NDF: 4783313.2/36



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/19

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

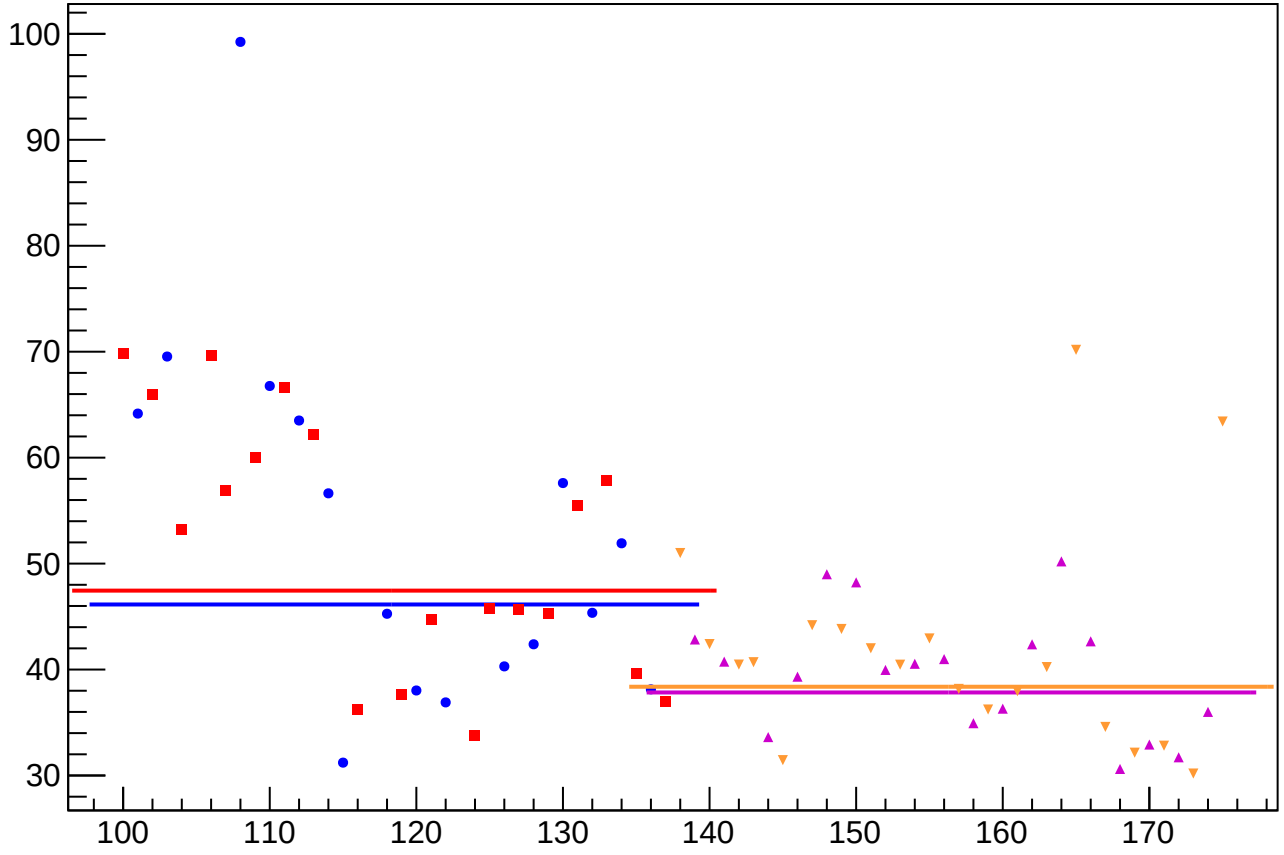
Left In: -0.003+/-0.010 χ^2/NDF:24.8/17

+ sign 0.002+/-0.009 χ^2/NDF: 45.3/35

All: 0.000+/-0.006 χ^2/NDF: 84.2/72

- sign -0.001+/-0.009 χ^2/NDF: 38.8/36

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.377+/-0.007 χ^2/NDF:987933.3/19

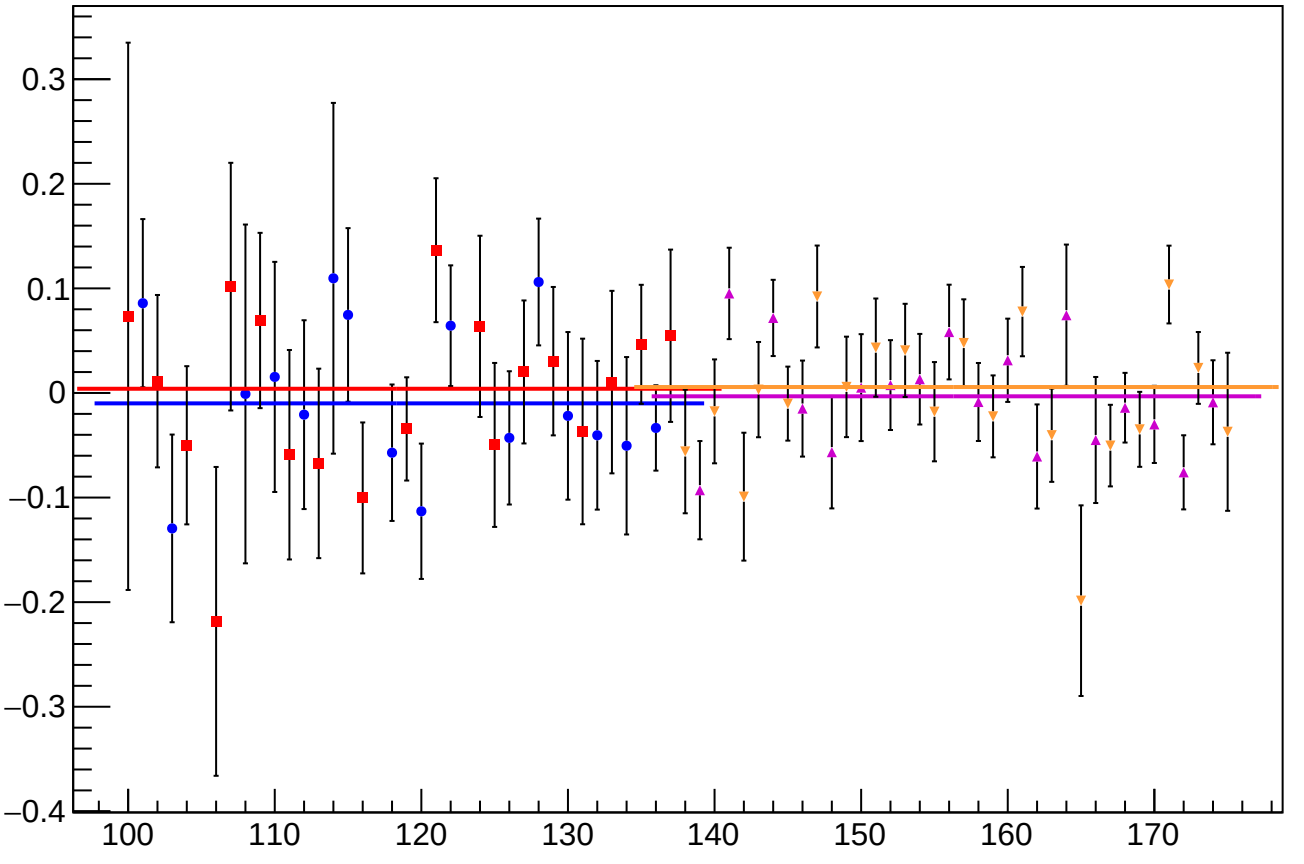
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 37.838+/-0.007 χ^2/NDF:556457.4/17

+ sign 40.199+/-0.006 χ^2/NDF: 2176239.4/35

All: 40.161+/-0.004 χ^2/NDF: 3817764.9/72

- sign 40.123+/-0.006 χ^2/NDF: 1641449.3/36



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/19

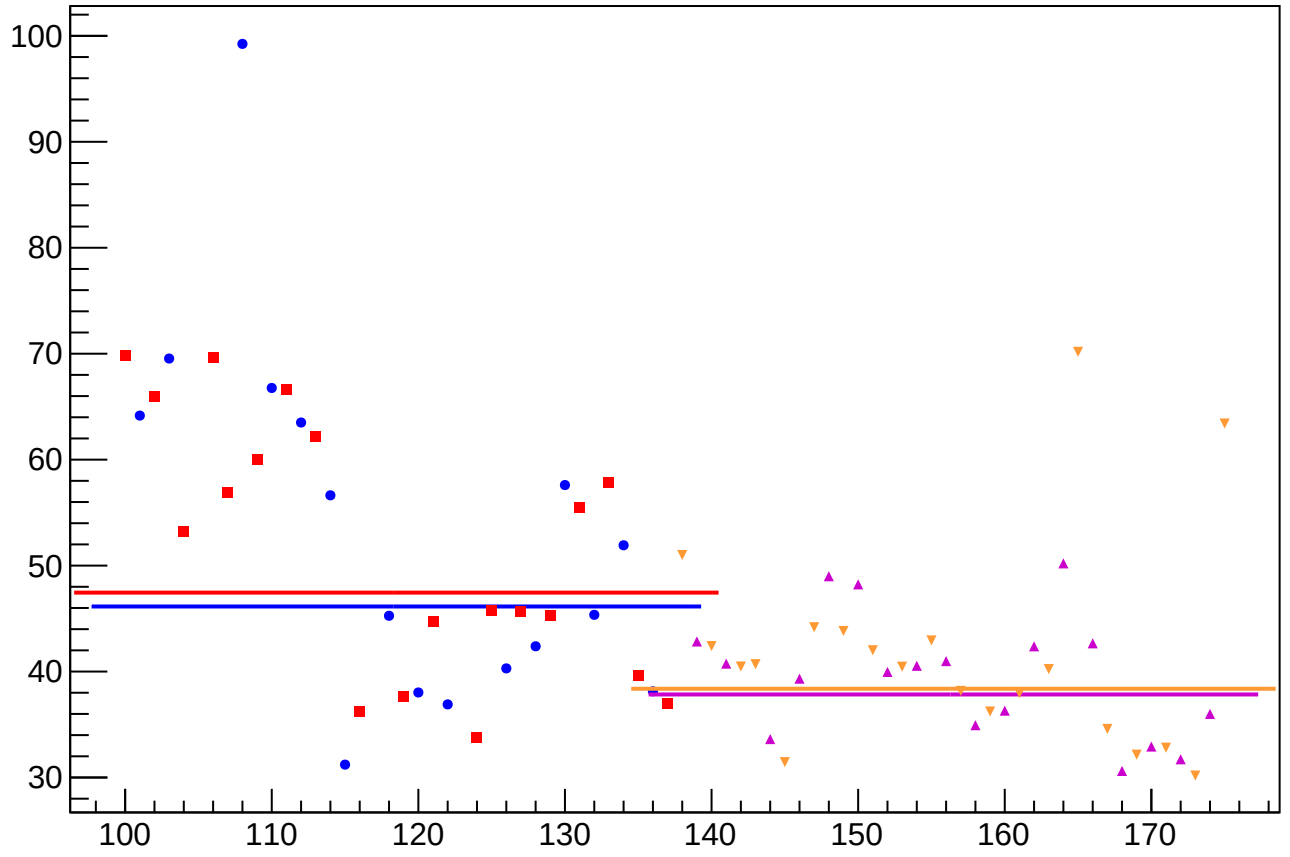
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.010 χ^2/NDF:24.8/17

+ sign 0.002+/-0.009 χ^2/NDF: 45.3/35

All: 0.000+/-0.006 χ^2/NDF: 84.2/72

- sign -0.001+/-0.009 χ^2/NDF: 38.8/36



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.377+/-0.007 χ^2/NDF:987933.3/19

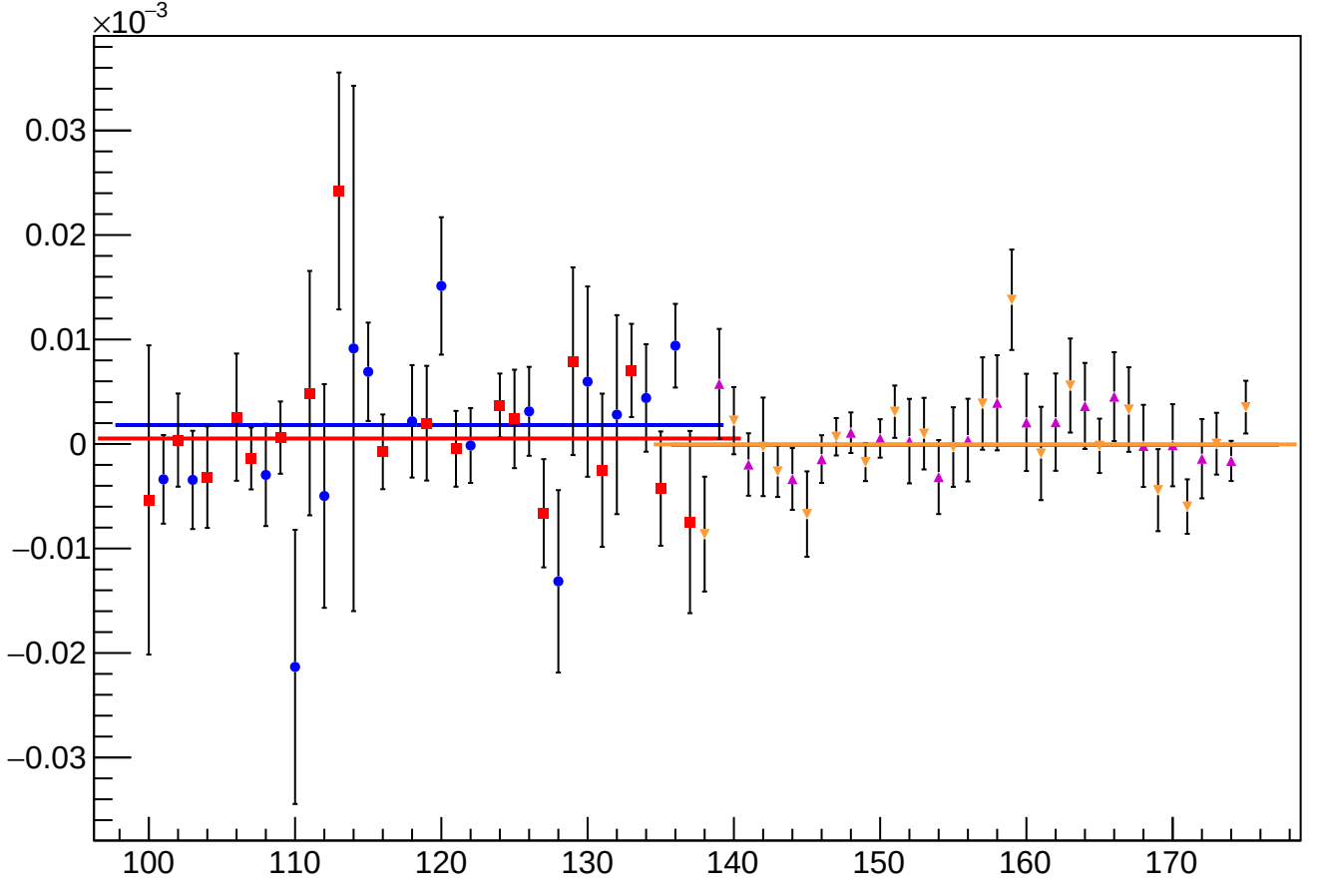
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 37.838+/-0.007 χ^2/NDF:556457.4/17

+ sign 40.199+/-0.006 χ^2/NDF: 2176239.4/35

All: 40.161+/-0.004 χ^2/NDF: 3817764.9/72

- sign 40.123+/-0.006 χ^2/NDF: 1641449.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.2/19

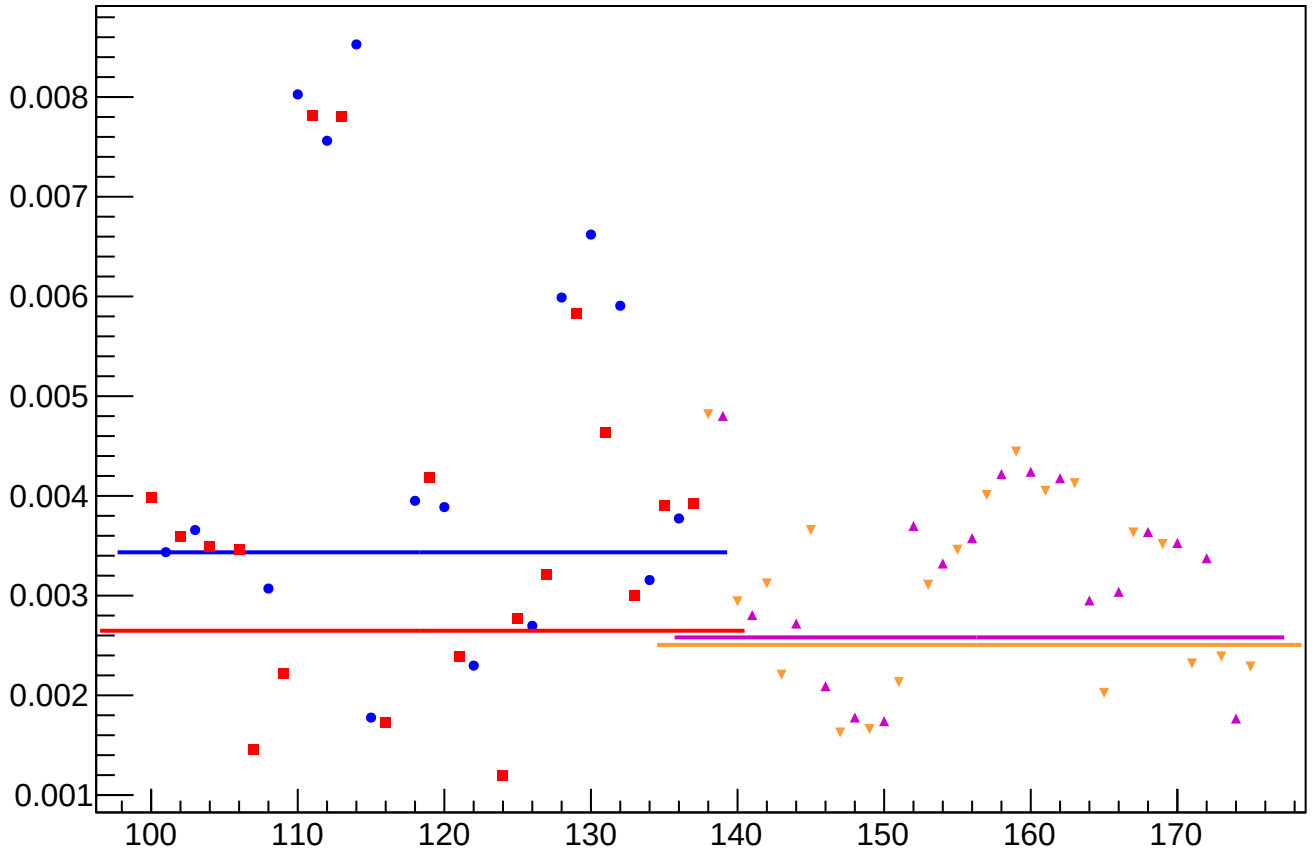
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 50.7/35

All: 0.000+/-0.000 χ^2/NDF: 73.1/72

- sign 0.000+/-0.000 χ^2/NDF: 22.4/36



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3201024.9/19

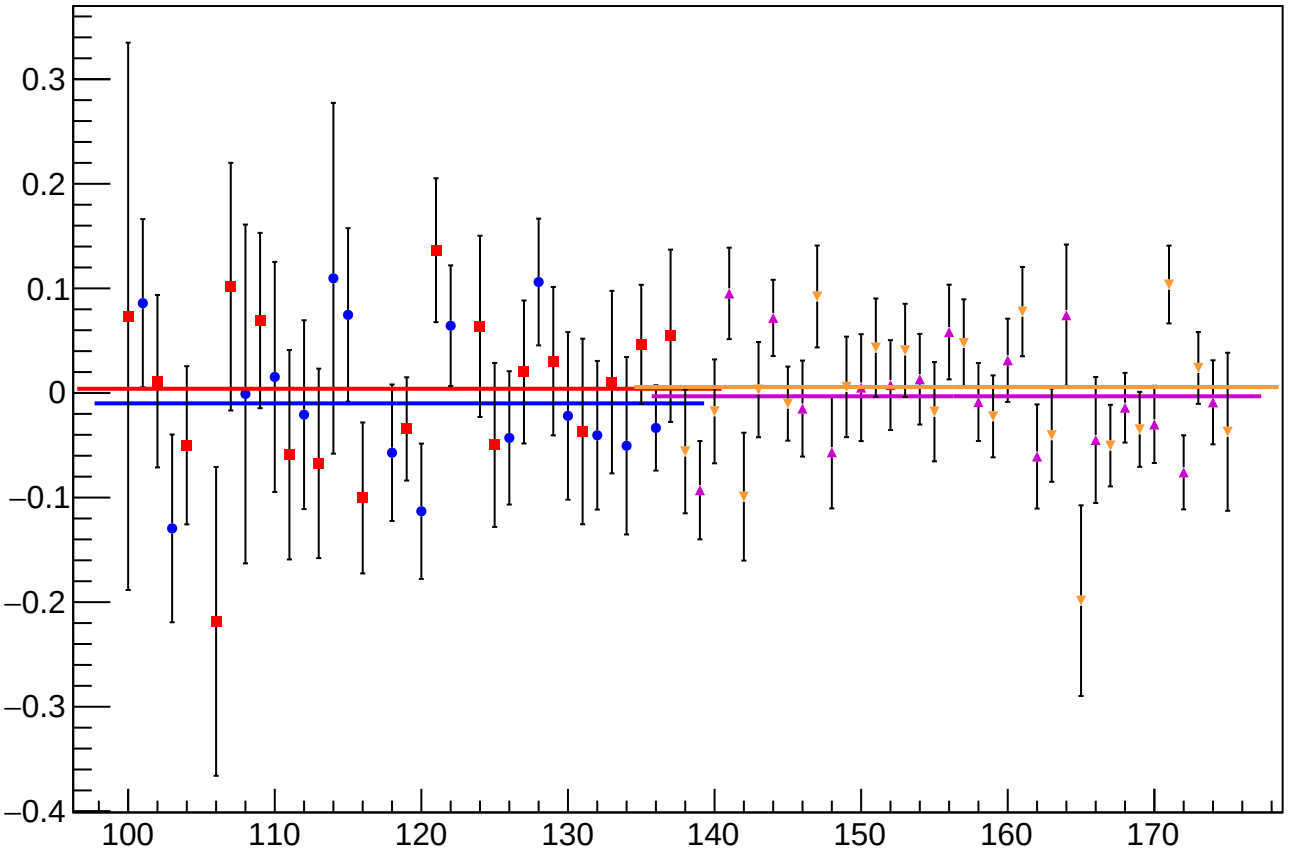
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3083547.3/17

+ sign 0.003+/-0.000 χ^2/NDF: 5688695.2/35

All: 0.003+/-0.000 χ^2/NDF: 11493768.9/72

- sign 0.003+/-0.000 χ^2/NDF: 5785687.9/36



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/19

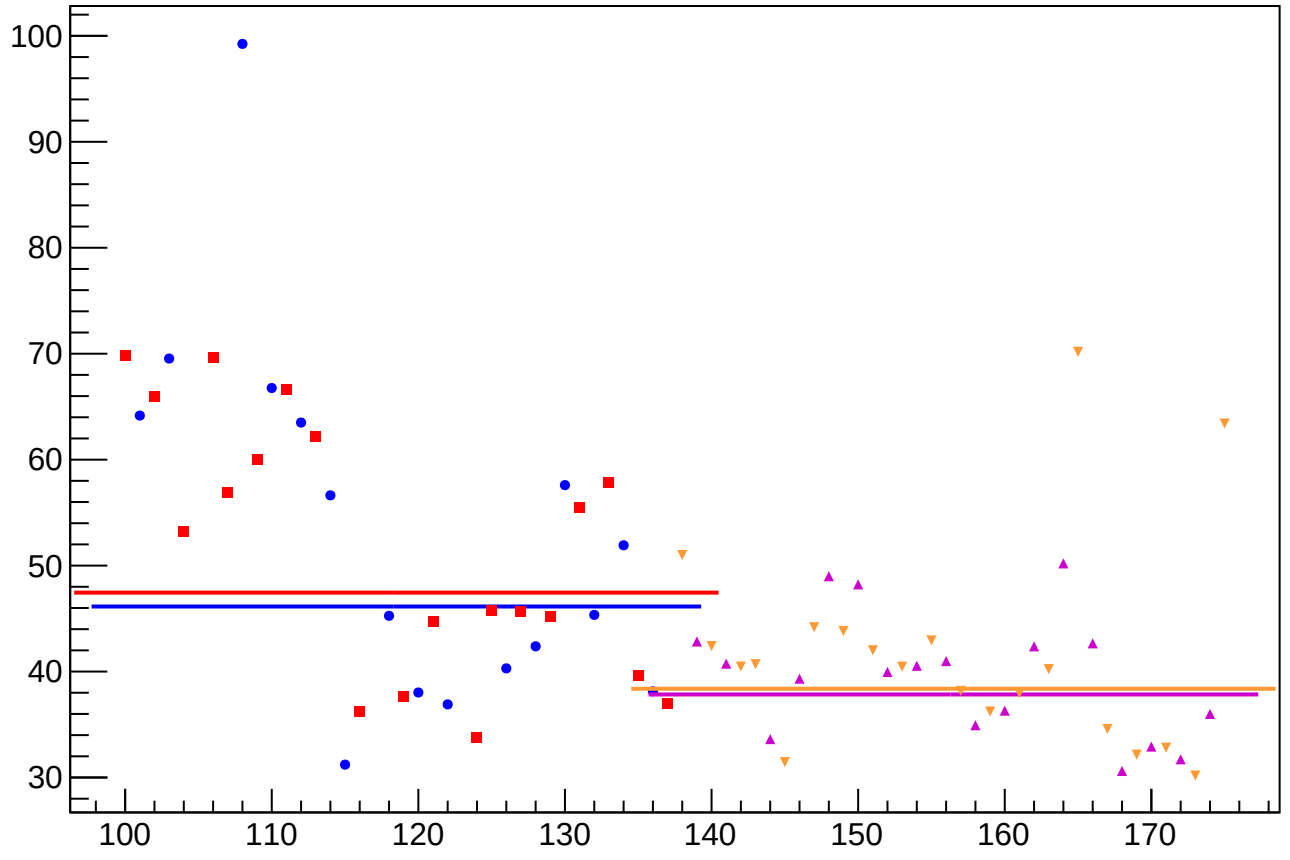
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.010 χ^2/NDF:24.8/17

+ sign 0.002+/-0.009 χ^2/NDF: 45.3/35

All: 0.000+/-0.006 χ^2/NDF: 84.2/72

- sign -0.001+/-0.009 χ^2/NDF: 38.8/36



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.377+/-0.007 χ^2/NDF:987956.5/19

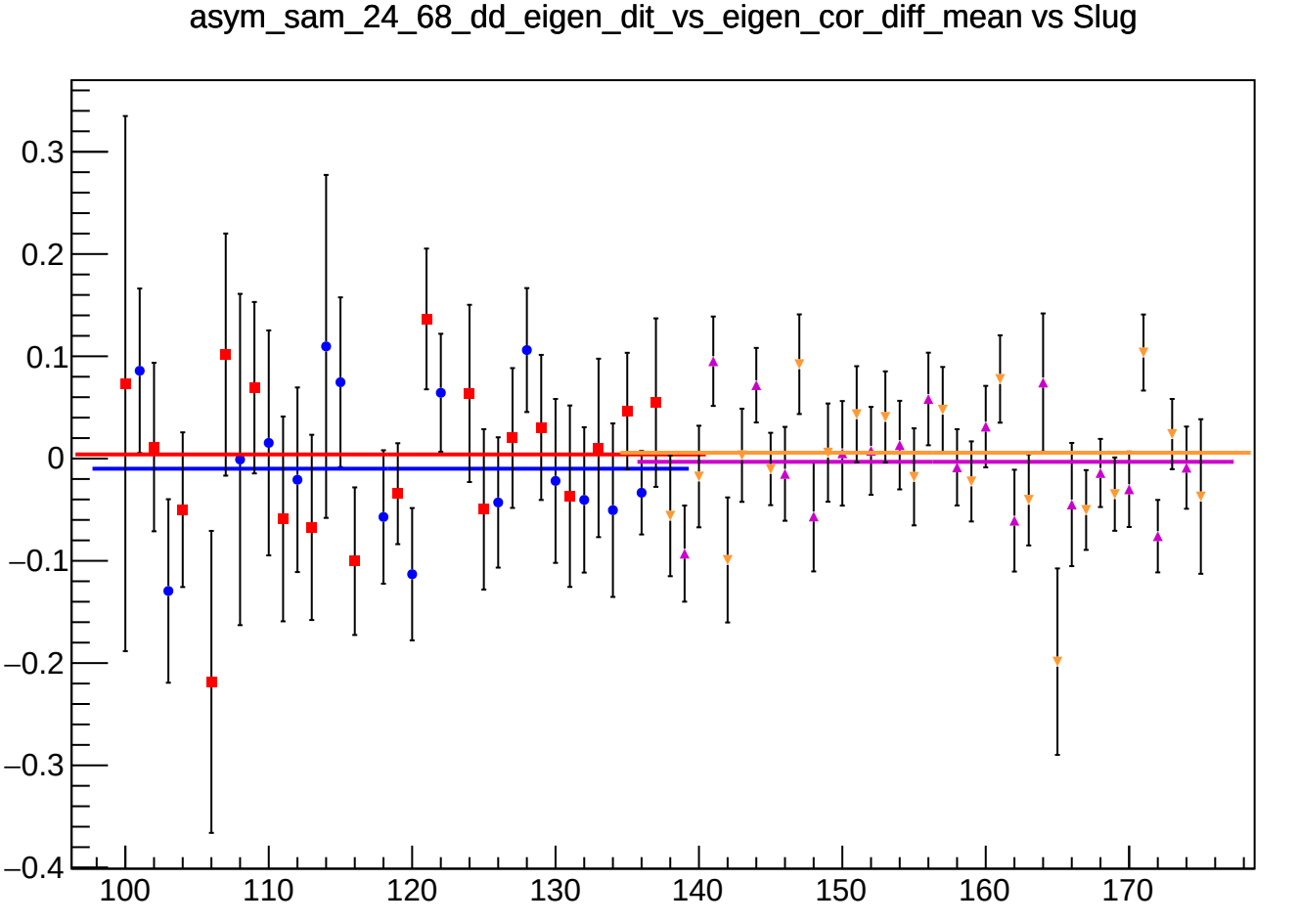
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 37.837+/-0.007 χ^2/NDF:556506.3/17

+ sign 40.199+/-0.006 χ^2/NDF: 2176124.5/35

All: 40.161+/-0.004 χ^2/NDF: 3817618.4/72

- sign 40.122+/-0.006 χ^2/NDF: 1641417.4/36



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/19

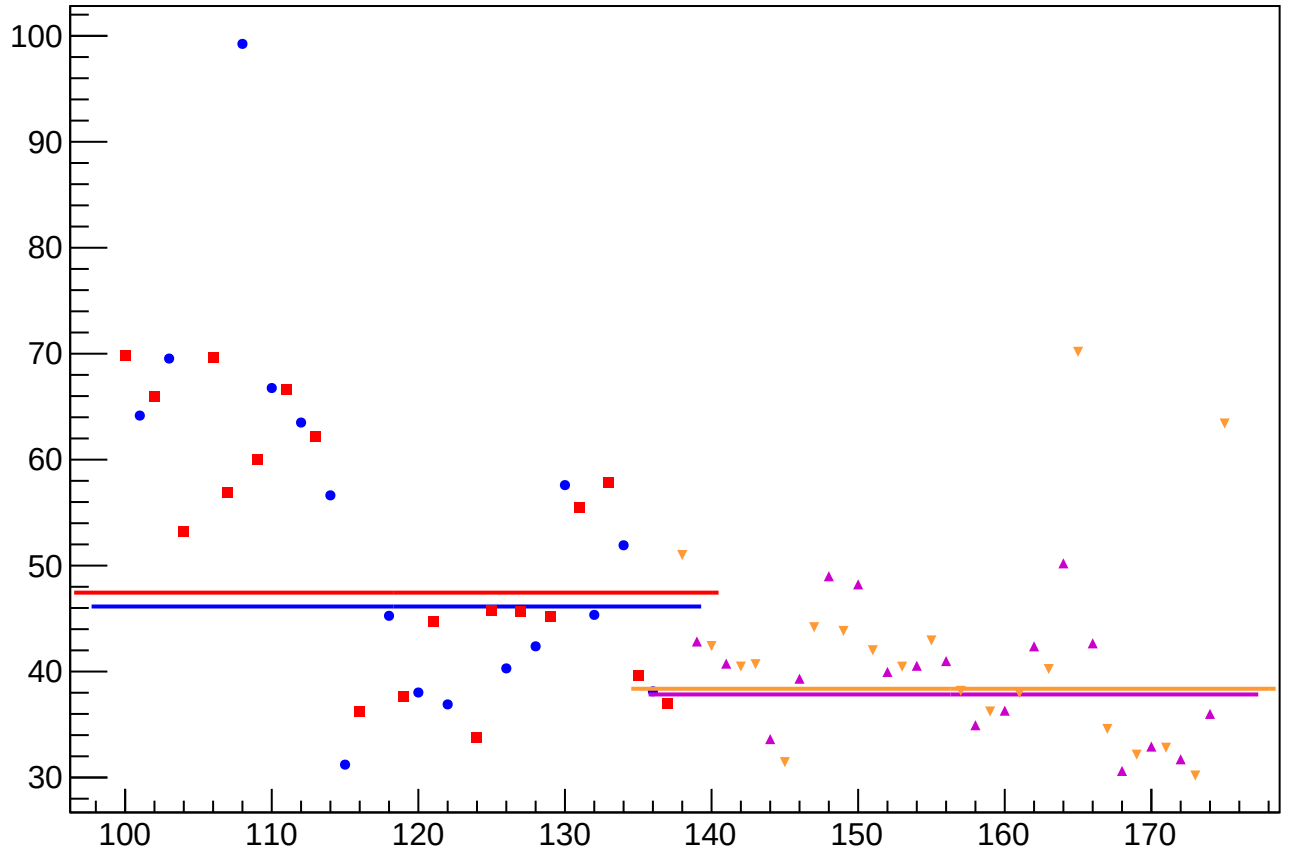
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.010 χ^2/NDF:24.8/17

+ sign 0.002+/-0.009 χ^2/NDF: 45.3/35

All: 0.000+/-0.006 χ^2/NDF: 84.2/72

- sign -0.001+/-0.009 χ^2/NDF: 38.8/36



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.377+/-0.007 χ^2/NDF:987956.5/19

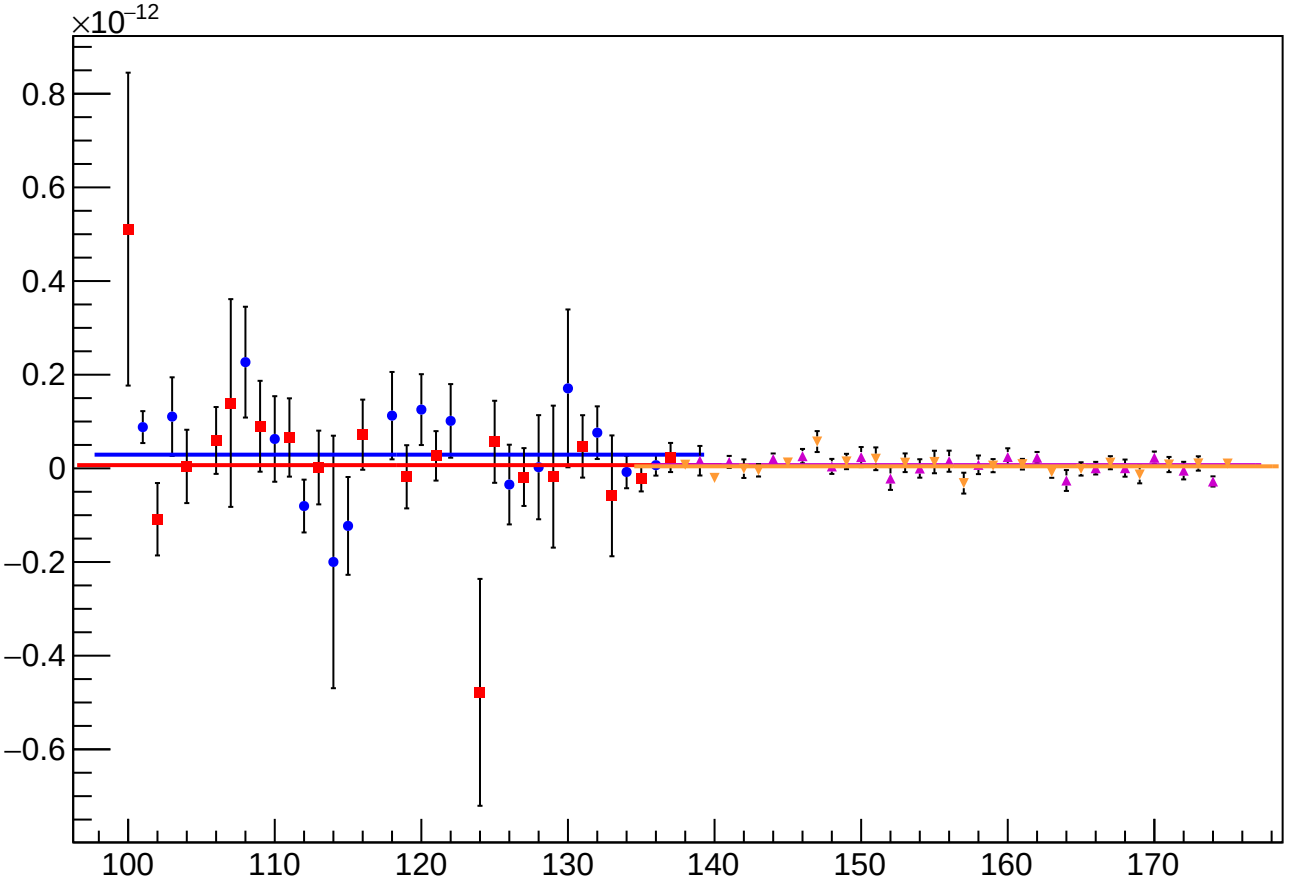
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 37.837+/-0.007 χ^2/NDF:556506.3/17

+ sign 40.199+/-0.006 χ^2/NDF: 2176124.5/35

All: 40.161+/-0.004 χ^2/NDF: 3817618.4/72

- sign 40.122+/-0.006 χ^2/NDF: 1641417.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.1/19

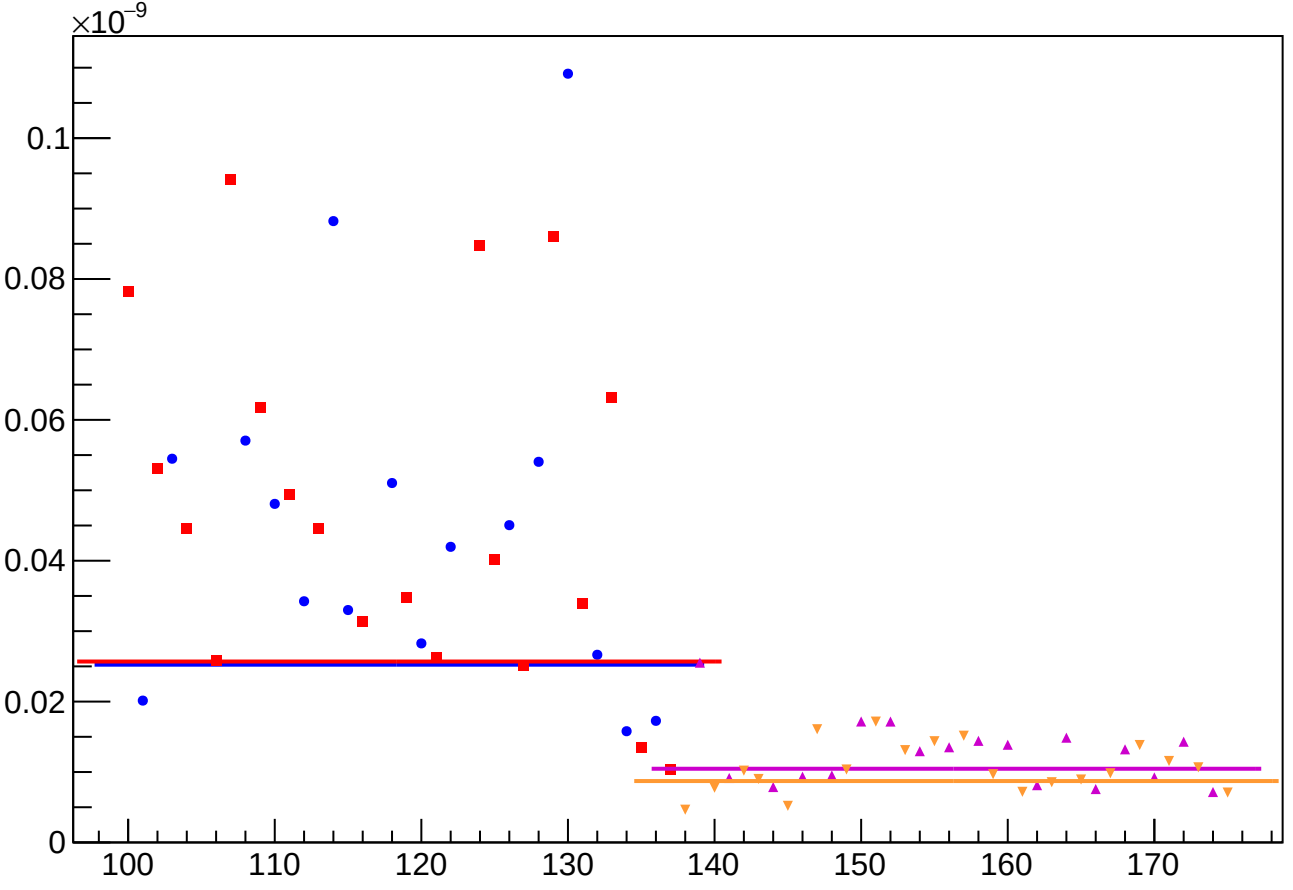
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:22.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 43.3/35

All: 0.000+/-0.000 χ^2/NDF: 80.3/72

- sign 0.000+/-0.000 χ^2/NDF: 36.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1855181.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

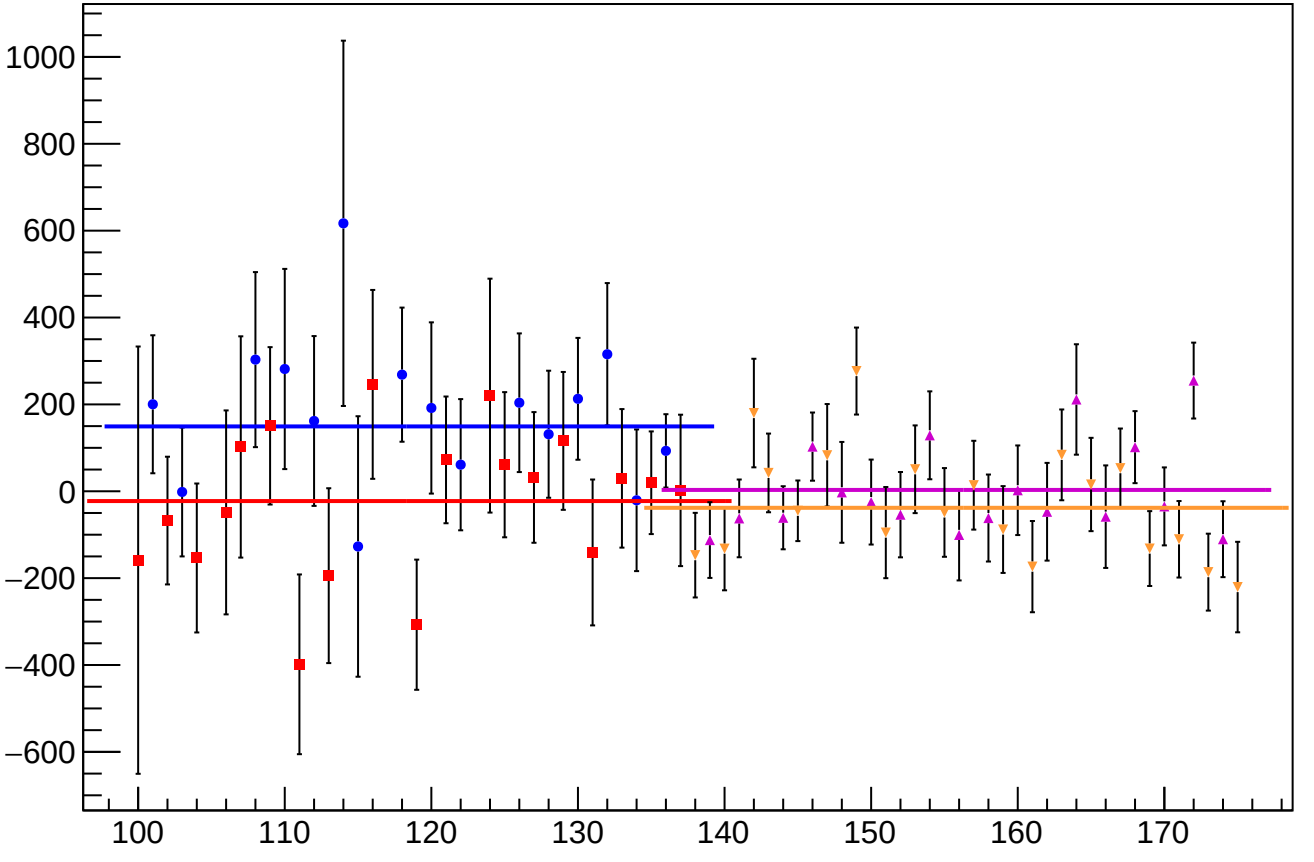
Left In: 0.000+/-0.000 χ^2/NDF:1726954.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 6811116.0/35

All: 0.000+/-0.000 χ^2/NDF: 13757427.5/72

- sign 0.000+/-0.000 χ^2/NDF: 6625781.4/36

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -38.085+/-21.668 χ^2/NDF:30.6/19

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

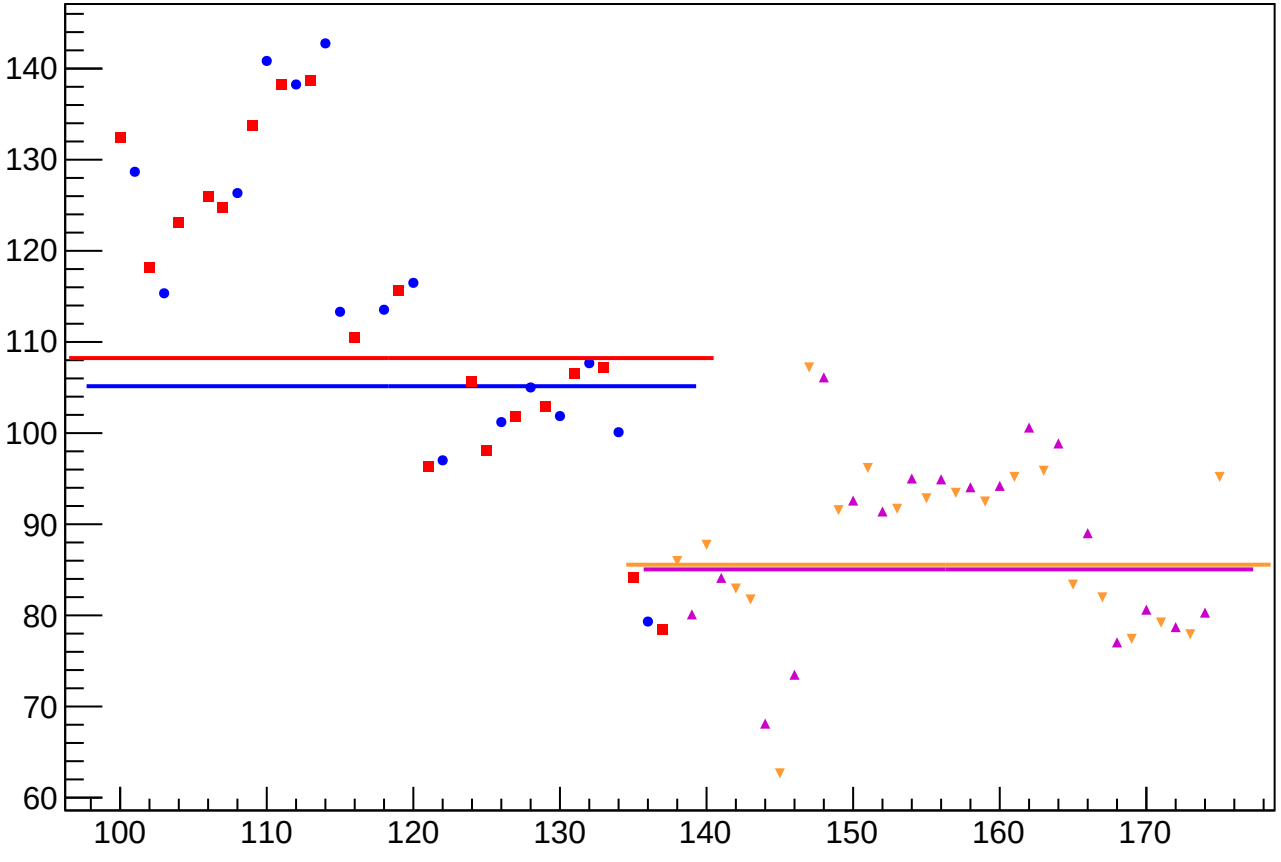
Left In: 3.082+/-22.263 χ^2/NDF:22.8/17

+ sign 4.946+/-19.018 χ^2/NDF: 55.8/35

All: 1.086+/-13.603 χ^2/NDF: 93.2/72

- sign -2.957+/-19.465 χ^2/NDF: 37.3/36

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 85.563+/-0.015 χ^2/NDF:455352.9/19

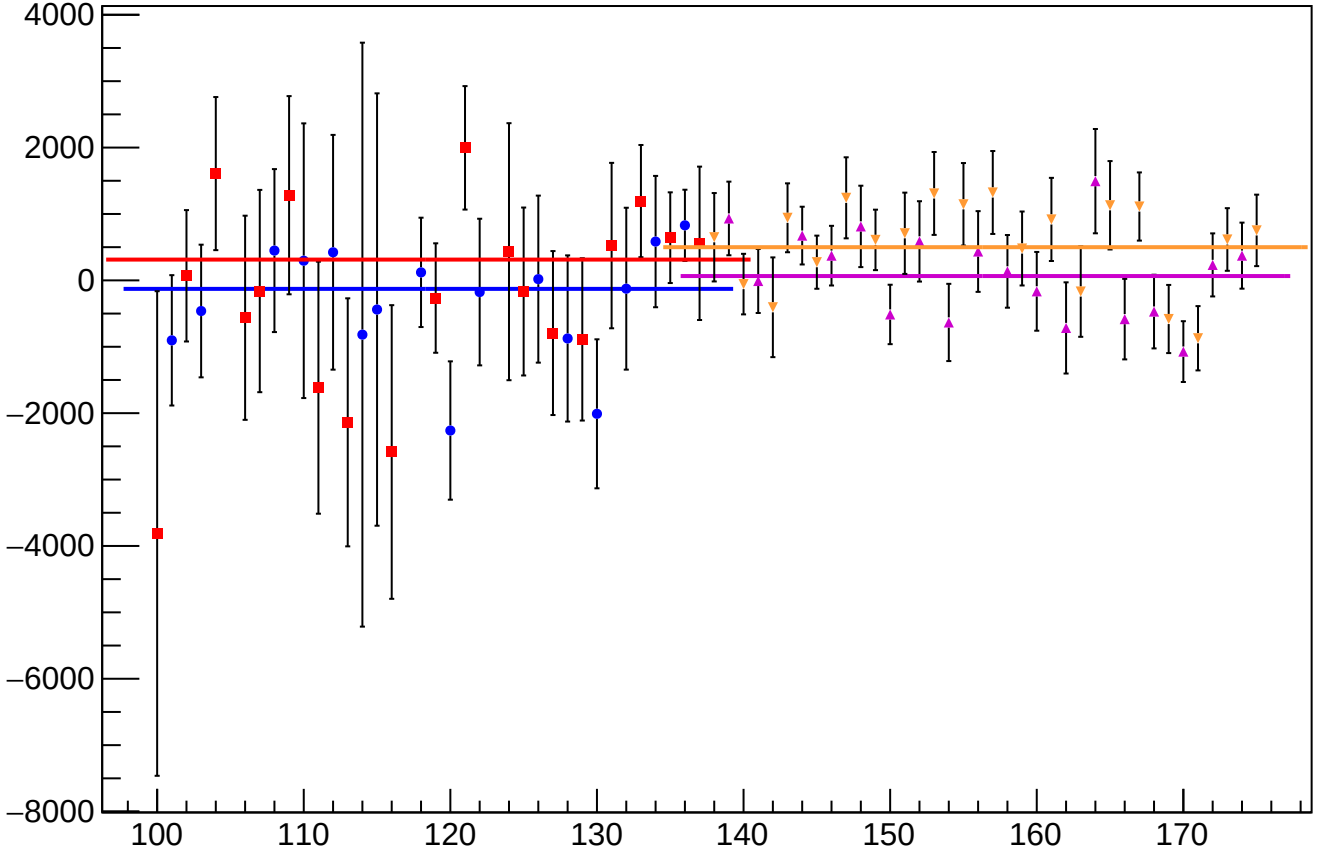
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 85.046+/-0.016 χ^2/NDF:418120.6/17

+ sign 90.060+/-0.013 χ^2/NDF: 1238912.8/35

All: 90.279+/-0.010 χ^2/NDF: 2518620.3/72

- sign 90.509+/-0.014 χ^2/NDF: 1279161.5/36



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 499.715+/-122.466 χ^2/NDF:26.7/19

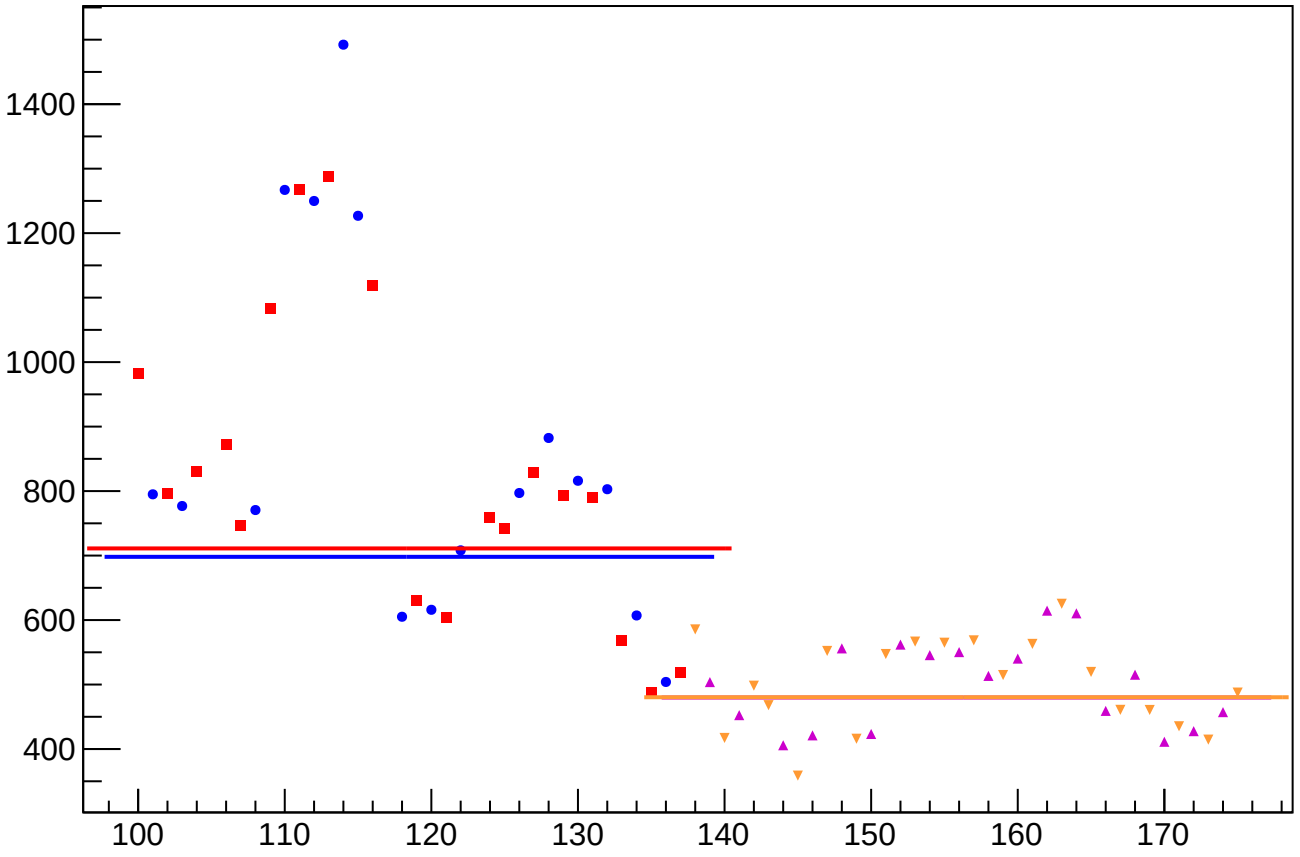
Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: 65.137+/-126.001 χ^2/NDF:24.1/17

+ sign 391.679+/-111.431 χ^2/NDF: 43.5/35

All: 254.007+/-79.751 χ^2/NDF: 86.5/72

- sign 109.434+/-114.190 χ^2/NDF: 39.8/36



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 480.301+/-0.087 χ^2/NDF:683941.9/19

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

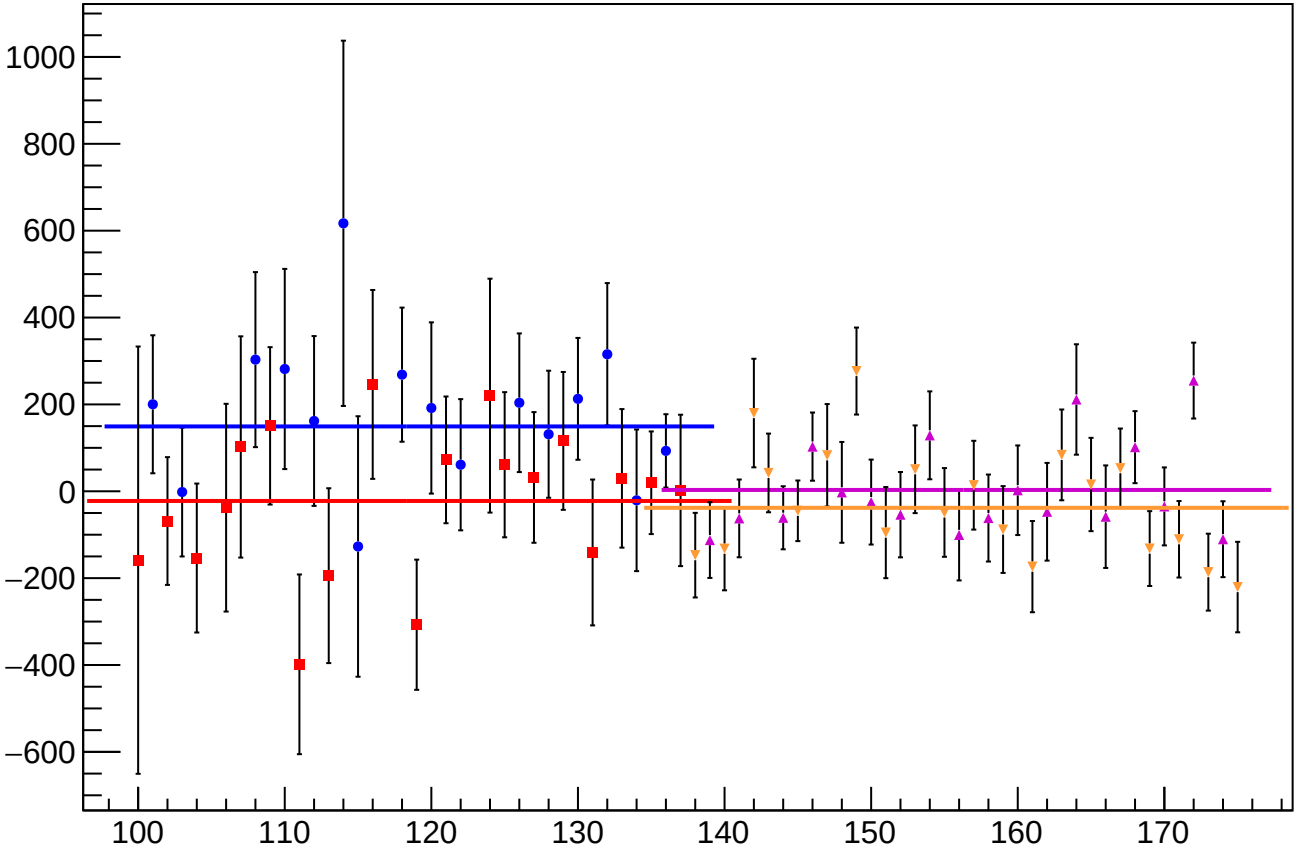
Left In: 479.847+/-0.089 χ^2/NDF:498249.6/17

\+ sign 517.775+/-0.079 χ^2/NDF: 2684957.6/35

All: 519.430+/-0.056 χ^2/NDF: 5422919.1/72

\- sign 521.168+/-0.081 χ^2/NDF: 2737056.8/36

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -38.087+/-21.668 χ^2/NDF:30.6/19

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

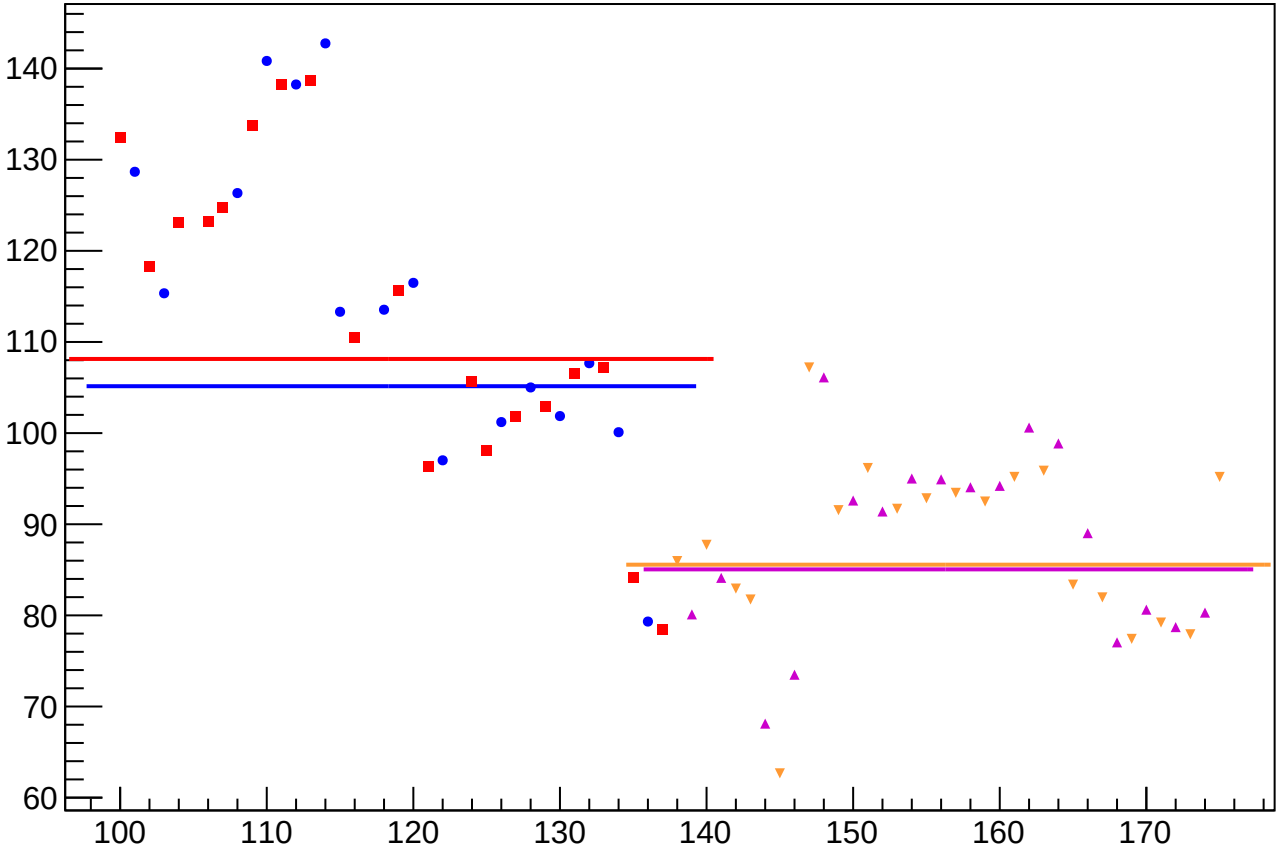
Left In: 3.082+/-22.263 χ^2/NDF:22.8/17

+ sign 4.942+/-19.018 χ^2/NDF: 55.8/35

All: 1.116+/-13.604 χ^2/NDF: 93.2/72

- sign -2.892+/-19.467 χ^2/NDF: 37.3/36

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.563+/-0.015 χ^2/NDF:455352.9/19

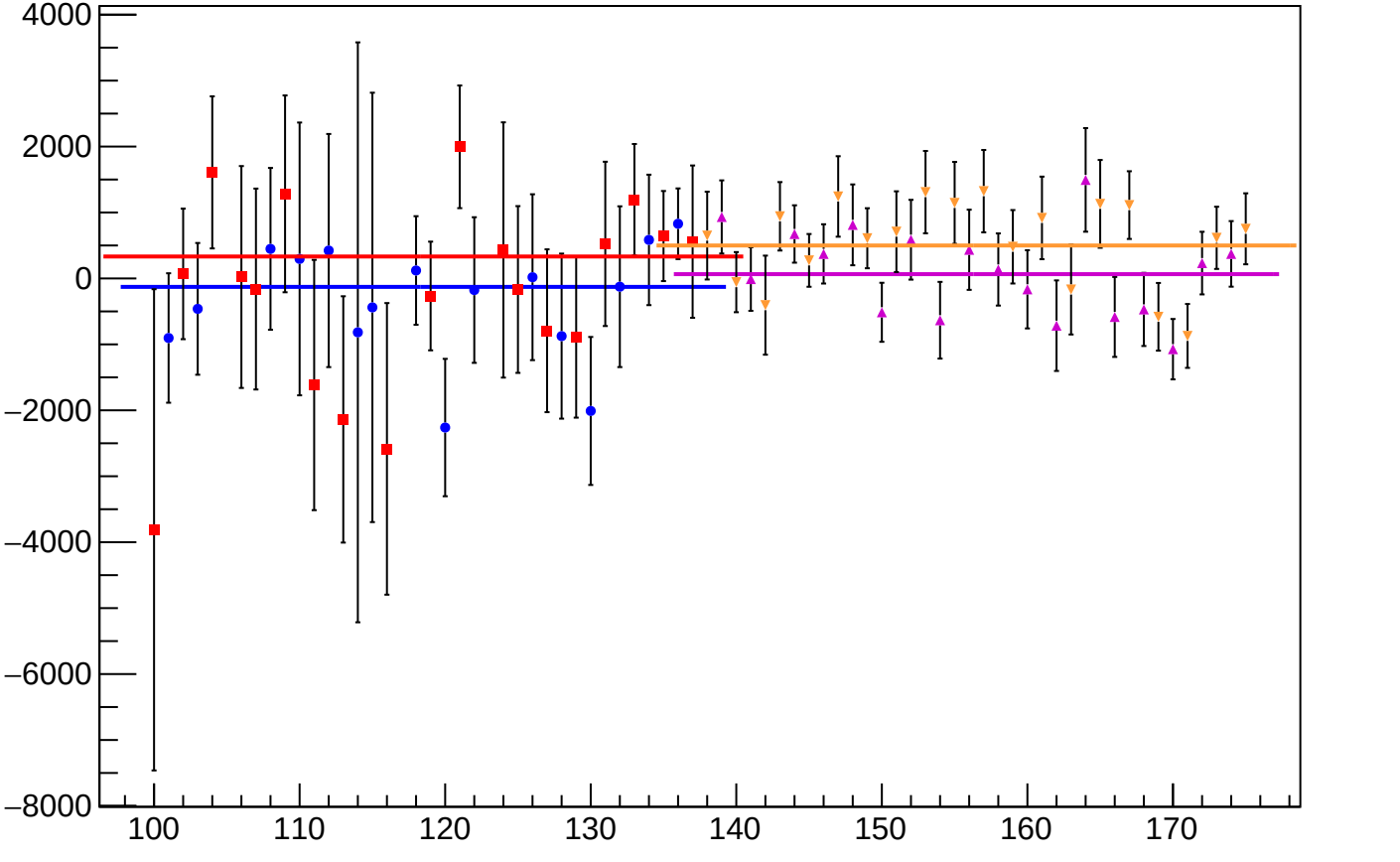
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.046+/-0.016 χ^2/NDF:418120.6/17

+ sign 90.060+/-0.013 χ^2/NDF: 1238913.1/35

All: 90.266+/-0.010 χ^2/NDF: 2510275.0/72

- sign 90.482+/-0.014 χ^2/NDF: 1270880.1/36



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 499.716+/-122.467 χ^2/NDF:26.7/19

Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

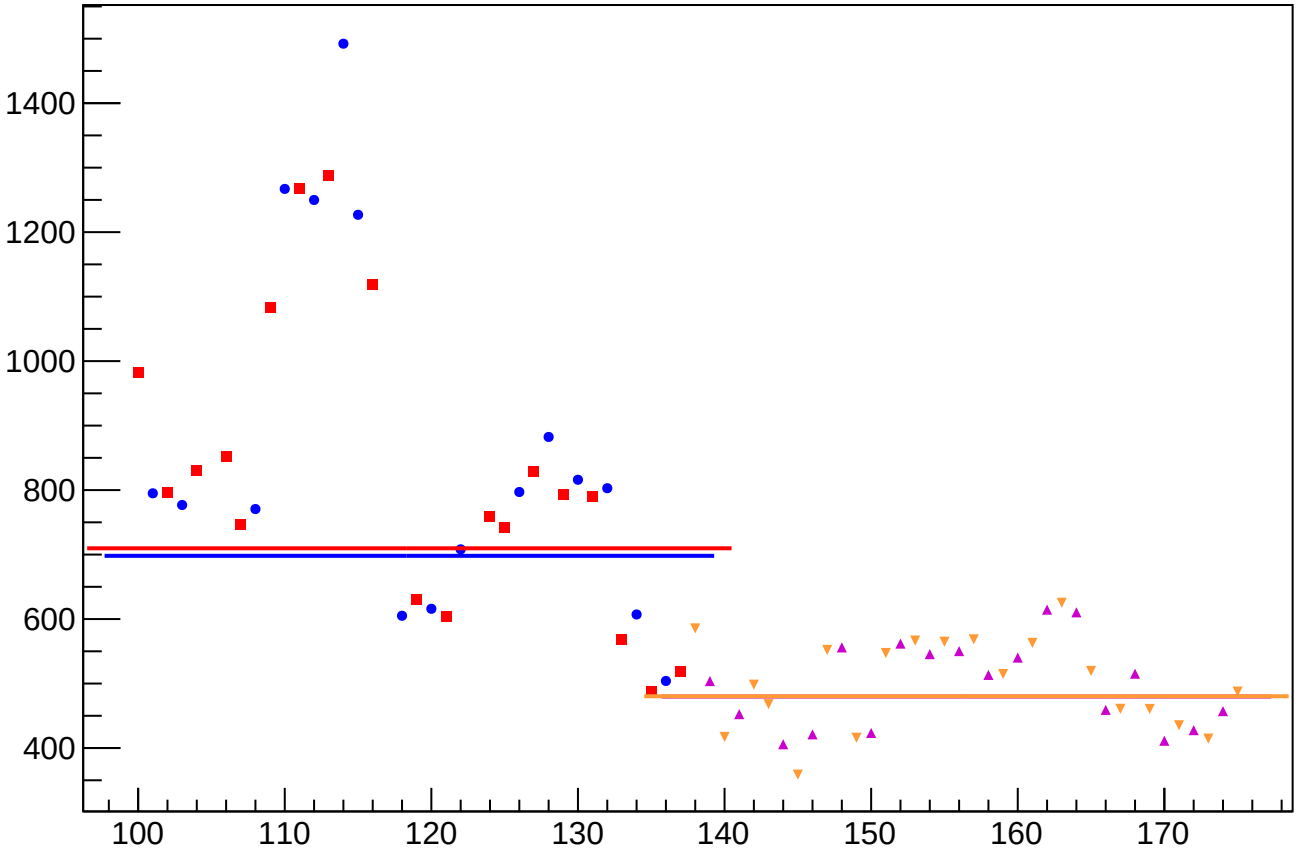
Left In: 65.137+/-126.001 χ^2/NDF:24.1/17

+ sign 391.681+/-111.431 χ^2/NDF: 43.5/35

All: 255.684+/-79.769 χ^2/NDF: 86.2/72

- sign 112.738+/-114.243 χ^2/NDF: 39.6/36

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 480.301+/-0.087 χ^2/NDF:683940.0/19

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

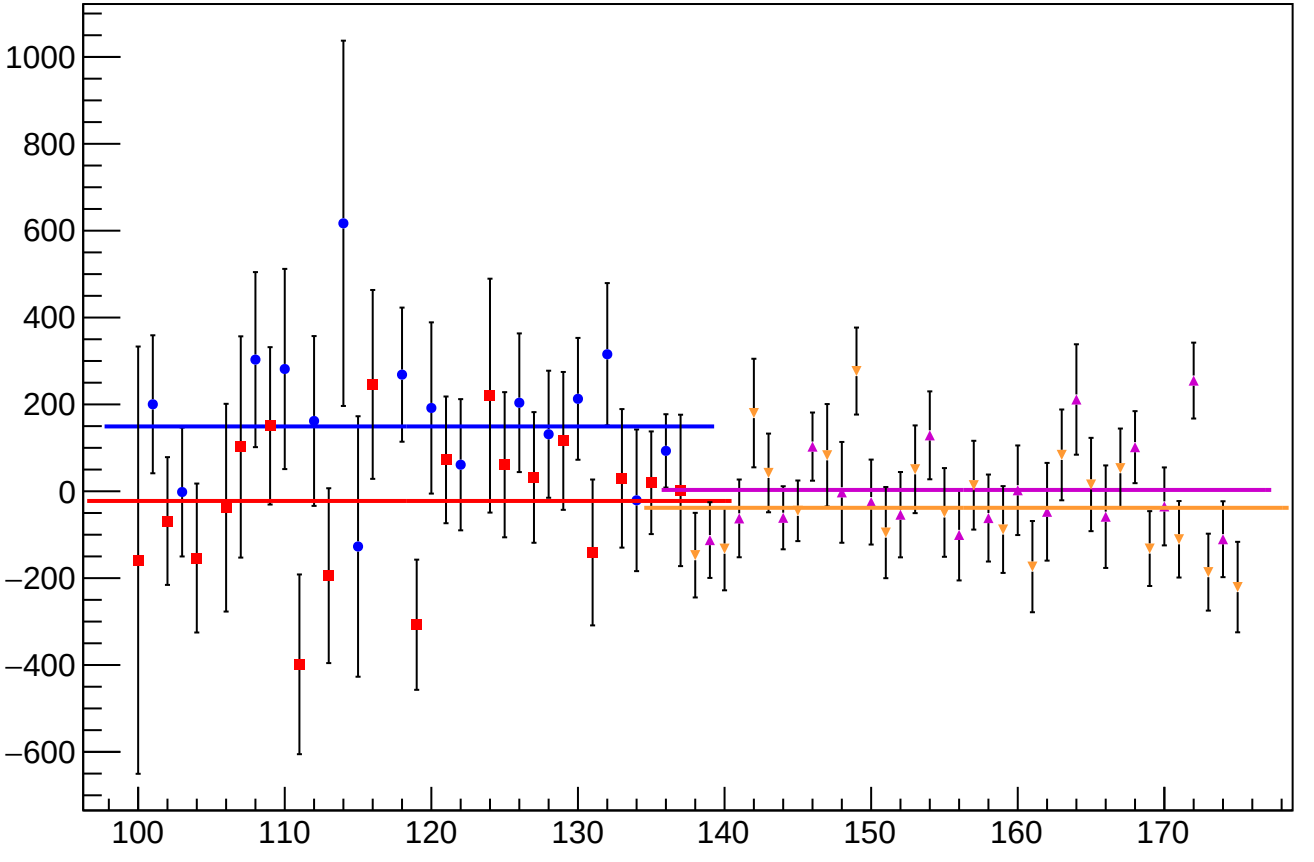
Left In: 479.847+/-0.089 χ^2/NDF:498252.5/17

+ sign 517.775+/-0.079 χ^2/NDF: 2684967.0/35

All: 519.227+/-0.056 χ^2/NDF: 5395735.3/72

- sign 520.754+/-0.081 χ^2/NDF: 2710071.7/36

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -38.087+/-21.668 χ^2/NDF:30.6/19

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

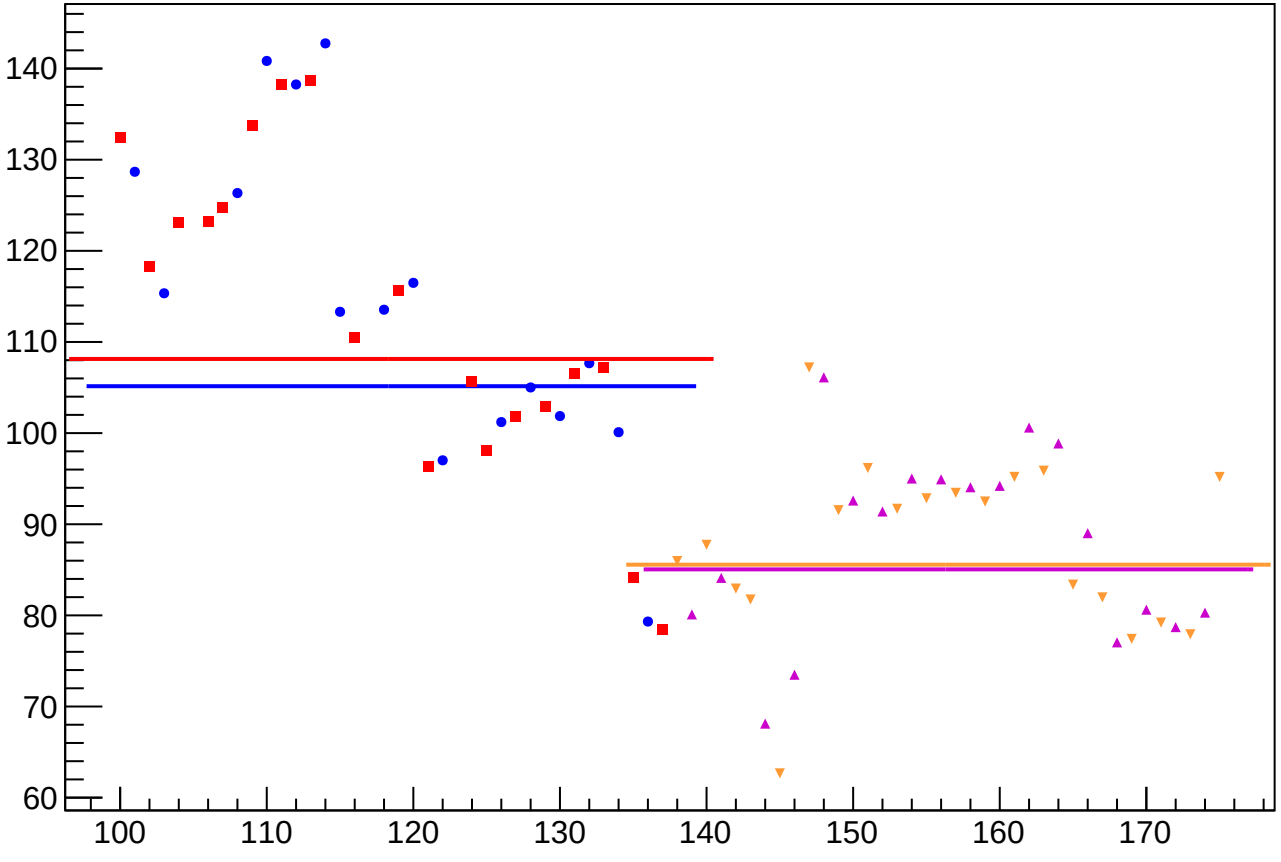
Left In: 3.082+/-22.263 χ^2/NDF:22.8/17

+ sign 4.942+/-19.018 χ^2/NDF: 55.8/35

All: 1.116+/-13.604 χ^2/NDF: 93.2/72

- sign -2.892+/-19.467 χ^2/NDF: 37.3/36

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.563+/-0.015 χ^2/NDF:455352.9/19

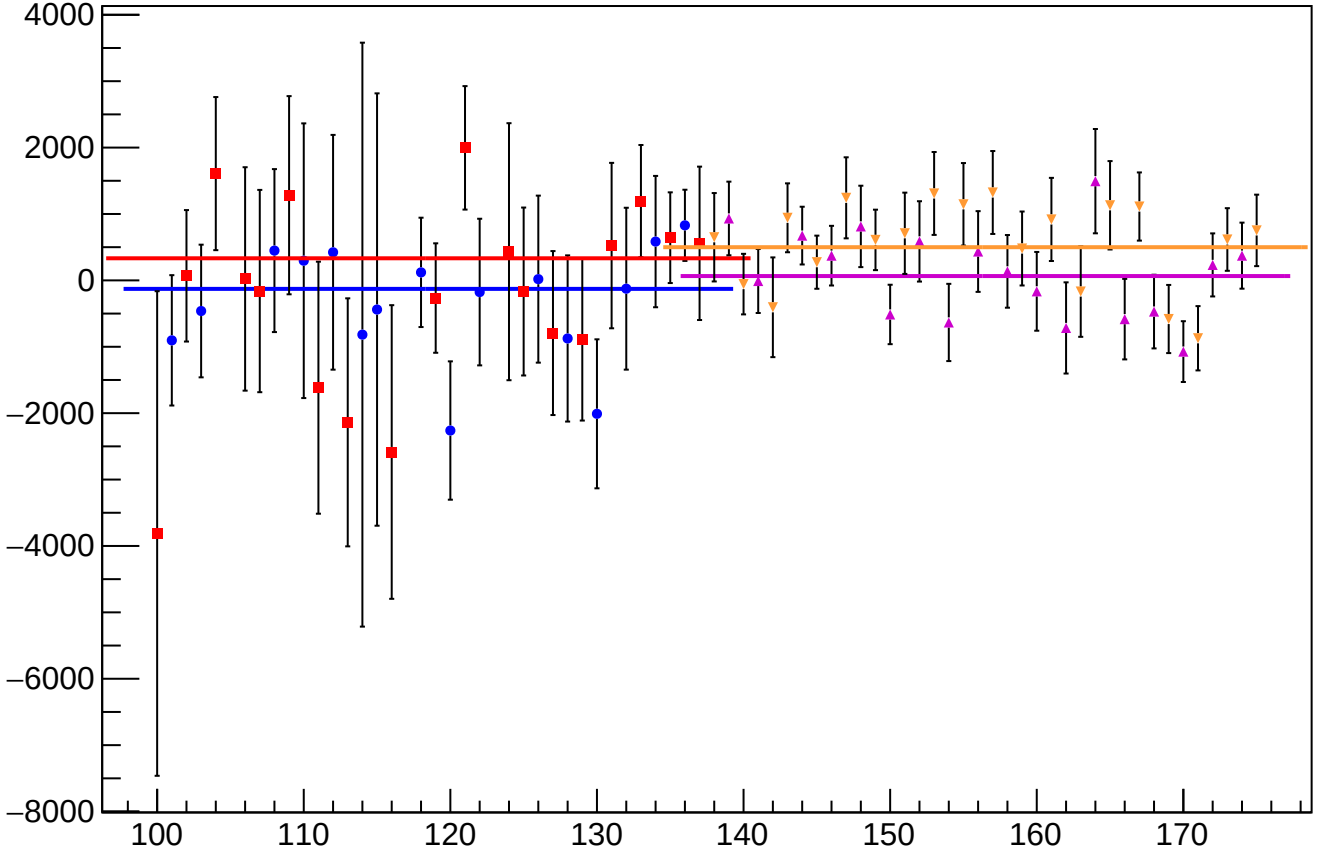
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.046+/-0.016 χ^2/NDF:418120.6/17

+ sign 90.060+/-0.013 χ^2/NDF: 1238913.1/35

All: 90.266+/-0.010 χ^2/NDF: 2510275.0/72

- sign 90.482+/-0.014 χ^2/NDF: 1270880.1/36



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 499.716+/-122.467 χ^2/NDF:26.7/19

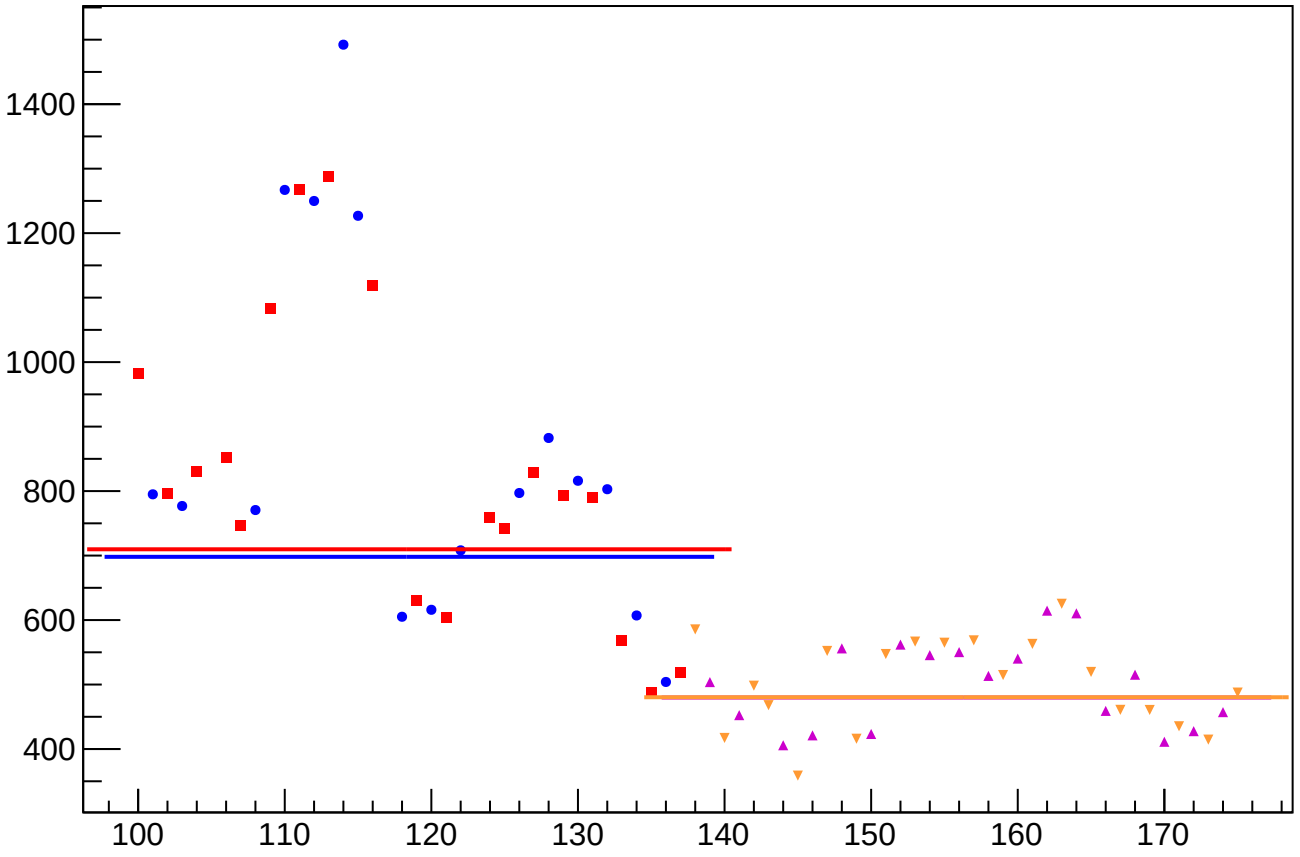
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 65.137+/-126.001 χ^2/NDF:24.1/17

+ sign 391.681+/-111.431 χ^2/NDF: 43.5/35

All: 255.684+/-79.769 χ^2/NDF: 86.2/72

- sign 112.738+/-114.243 χ^2/NDF: 39.6/36



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 480.301+/-0.087 χ^2/NDF:683940.0/19

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

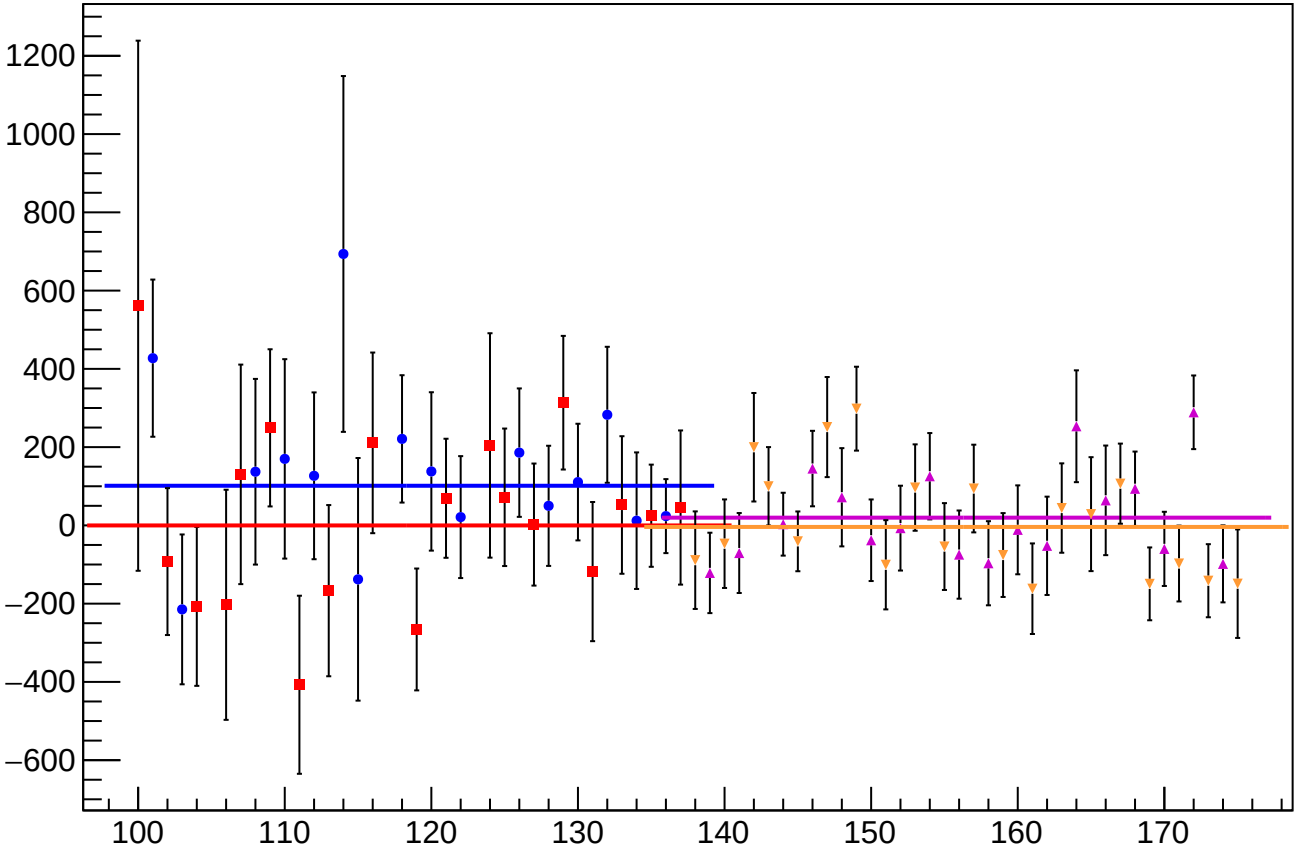
Left In: 479.847+/-0.089 χ^2/NDF:498252.5/17

+ sign 517.775+/-0.079 χ^2/NDF: 2684967.0/35

All: 519.227+/-0.056 χ^2/NDF: 5395735.3/72

- sign 520.754+/-0.081 χ^2/NDF: 2710071.7/36

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: -3.959+/-24.232 χ^2/NDF:28.9/19

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

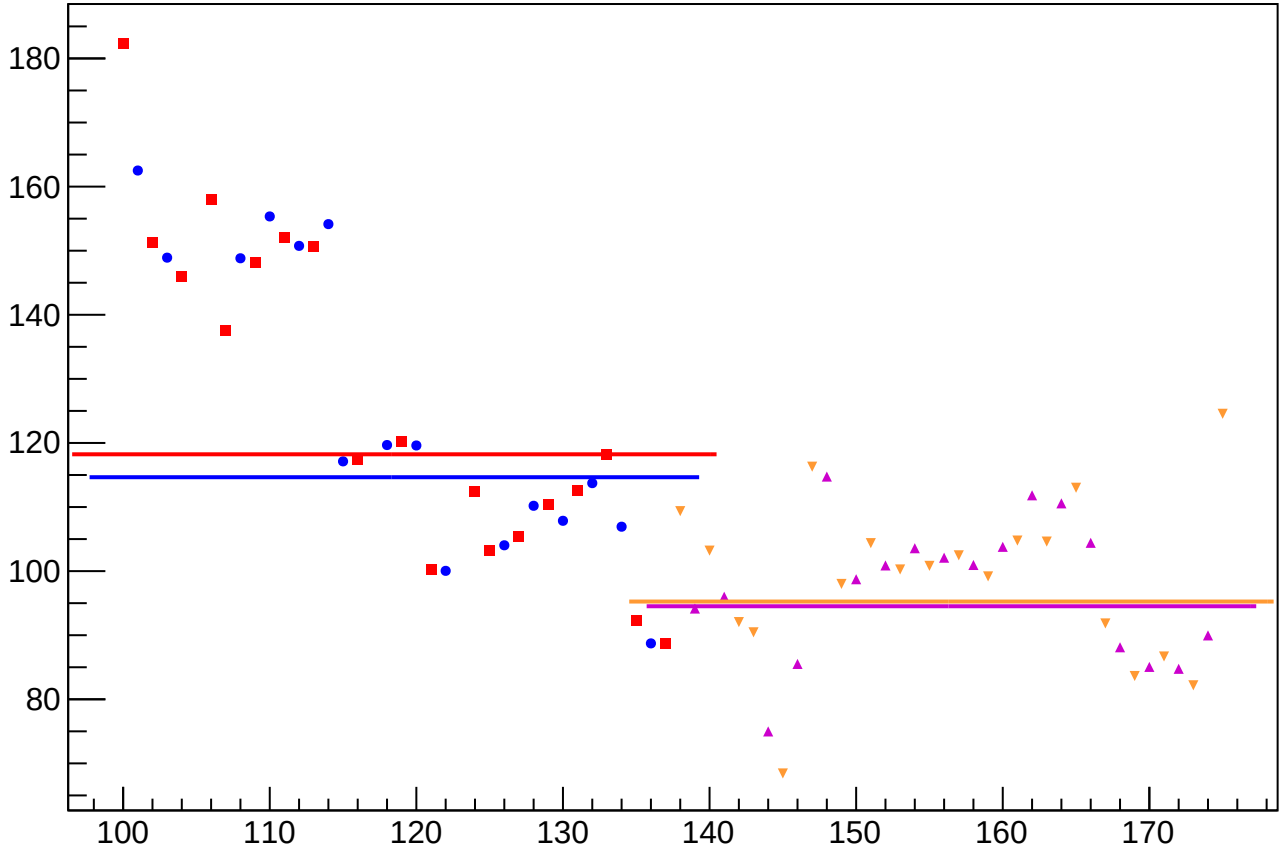
Left In: 19.749+/-24.845 χ^2/NDF:21.9/17

+ sign 20.957+/-21.170 χ^2/NDF: 44.3/35

All: 18.019+/-15.133 χ^2/NDF: 83.0/72

- sign 14.950+/-21.639 χ^2/NDF: 38.6/36

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 95.254+/-0.017 χ^2/NDF:610269.4/19

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

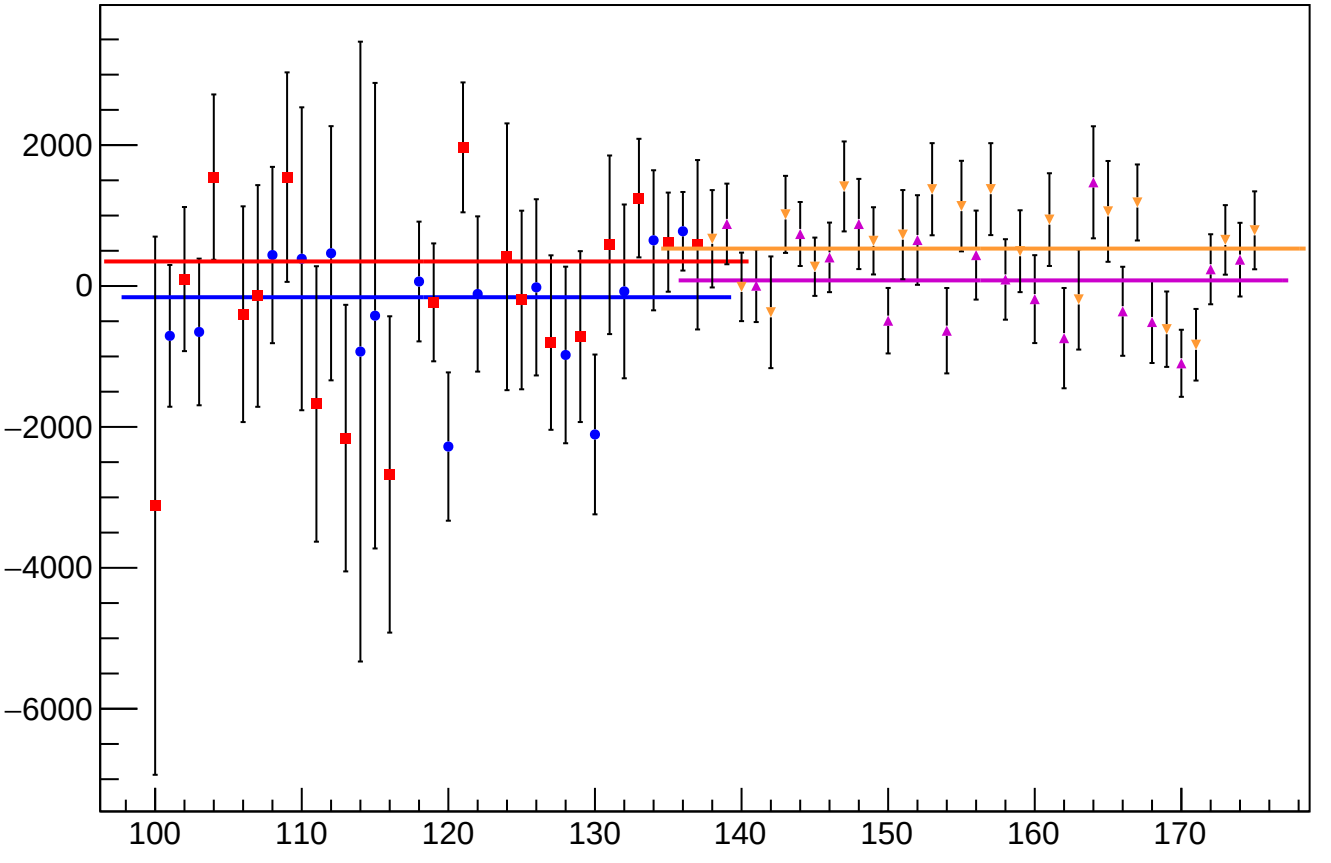
Left In: 94.519+/-0.018 χ^2/NDF:369303.8/17

+ sign 99.847+/-0.015 χ^2/NDF: 1445729.3/35

All: 100.042+/-0.011 χ^2/NDF: 2738659.3/72

- sign 100.245+/-0.015 χ^2/NDF: 1292585.7/36

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 531.158+/-128.116 χ^2/NDF:25.5/19

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

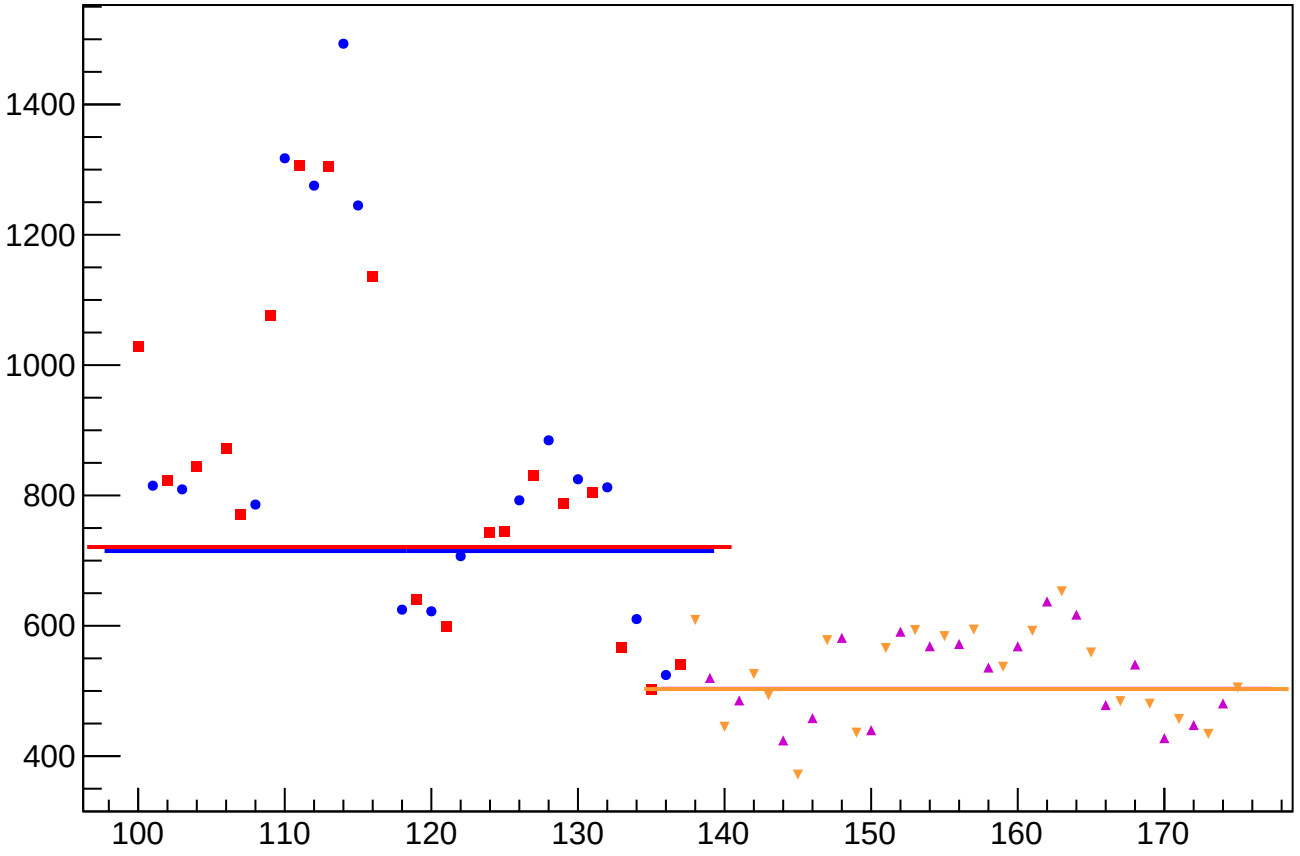
Left In: 79.651+/-132.118 χ^2/NDF:22.7/17

+ sign 407.734+/-116.098 χ^2/NDF: 42.7/35

All: 272.503+/-83.091 χ^2/NDF: 83.3/72

- sign 130.493+/-118.972 χ^2/NDF: 37.8/36

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 502.950+/-0.091 χ^2/NDF:681238.4/19

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

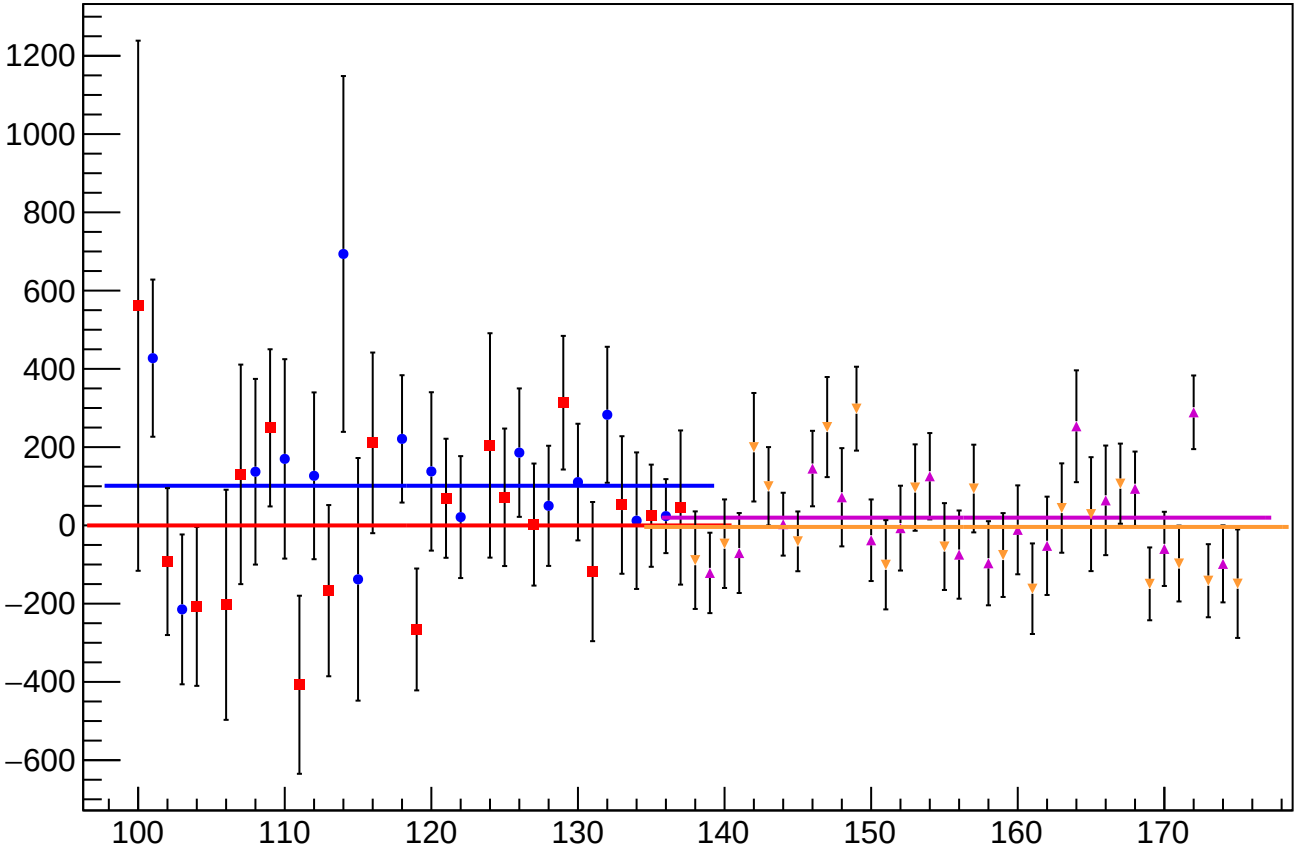
Left In: 503.275+/-0.093 χ^2/NDF:464370.7/17

+ sign 540.806+/-0.082 χ^2/NDF: 2534058.1/35

All: 542.571+/-0.059 χ^2/NDF: 5043794.3/72

- sign 544.423+/-0.084 χ^2/NDF: 2508789.1/36

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -3.961+/-24.232 χ^2/NDF:28.9/19

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

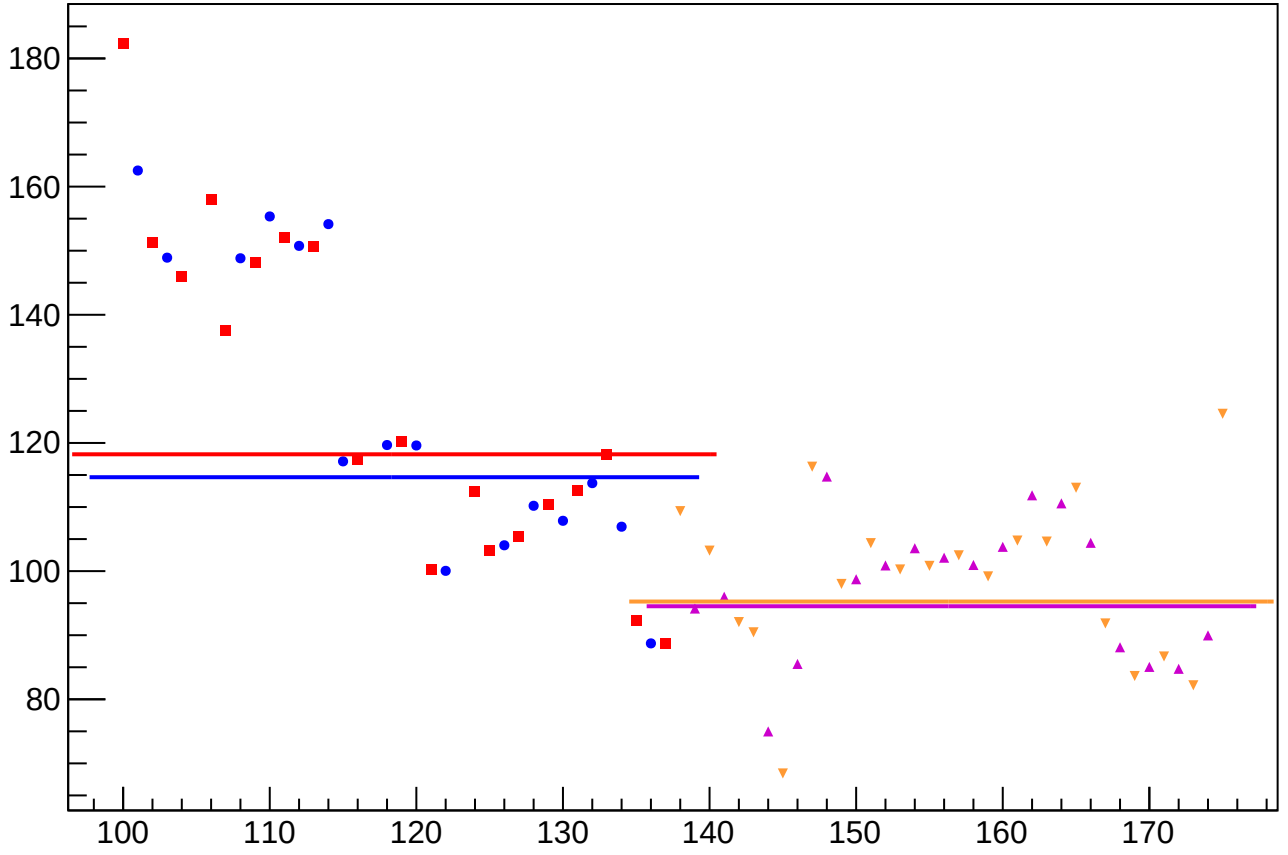
Left In: 19.750+/-24.845 χ^2/NDF:21.9/17

+ sign 20.955+/-21.170 χ^2/NDF: 44.3/35

All: 18.018+/-15.133 χ^2/NDF: 83.0/72

- sign 14.951+/-21.639 χ^2/NDF: 38.6/36

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 95.254+/-0.017 χ^2/NDF:610277.2/19

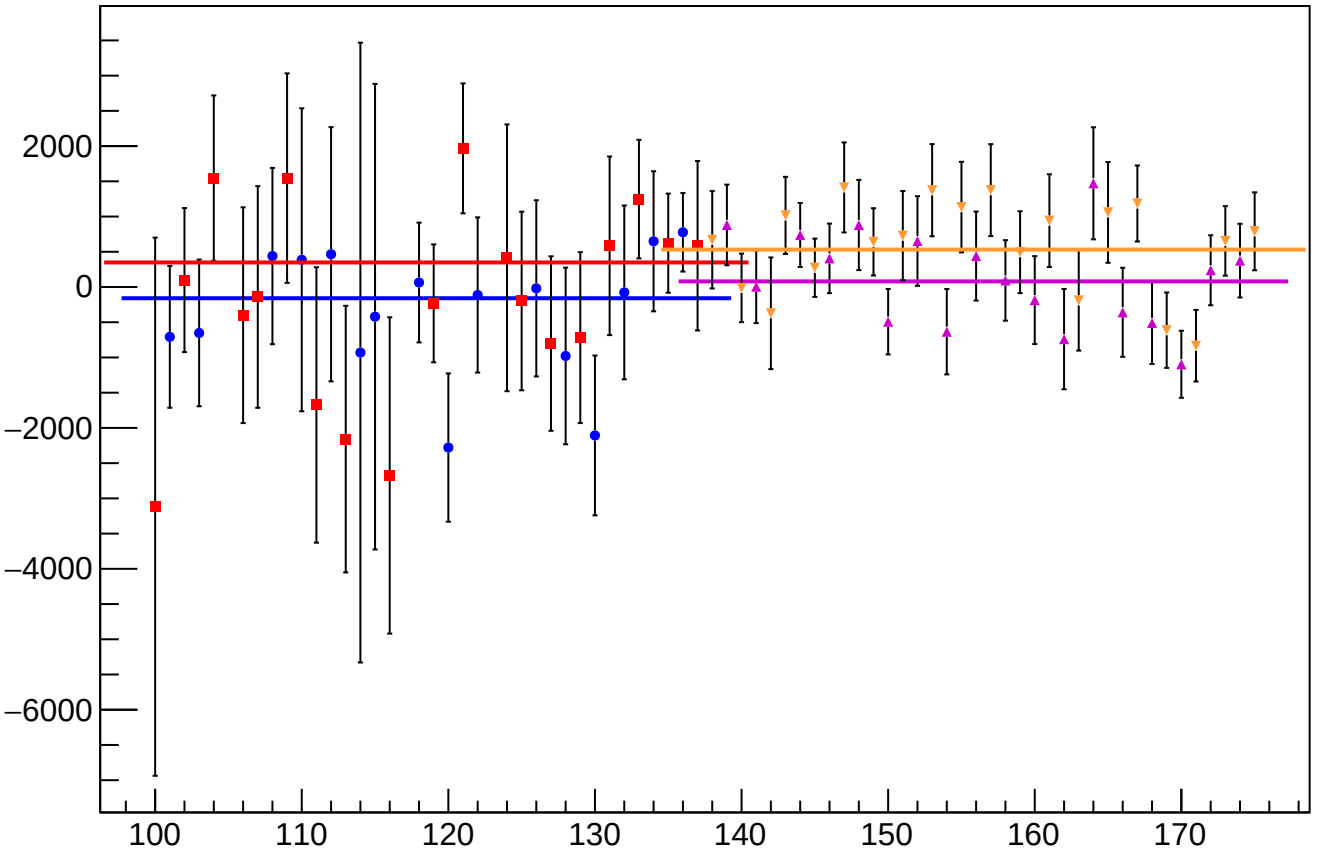
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 94.519+/-0.018 χ^2/NDF:369305.6/17

+ sign 99.847+/-0.015 χ^2/NDF: 1445728.3/35

All: 100.042+/-0.011 χ^2/NDF: 2738652.5/72

- sign 100.245+/-0.015 χ^2/NDF: 1292579.9/36



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 531.157+/-128.116 χ^2/NDF:25.5/19

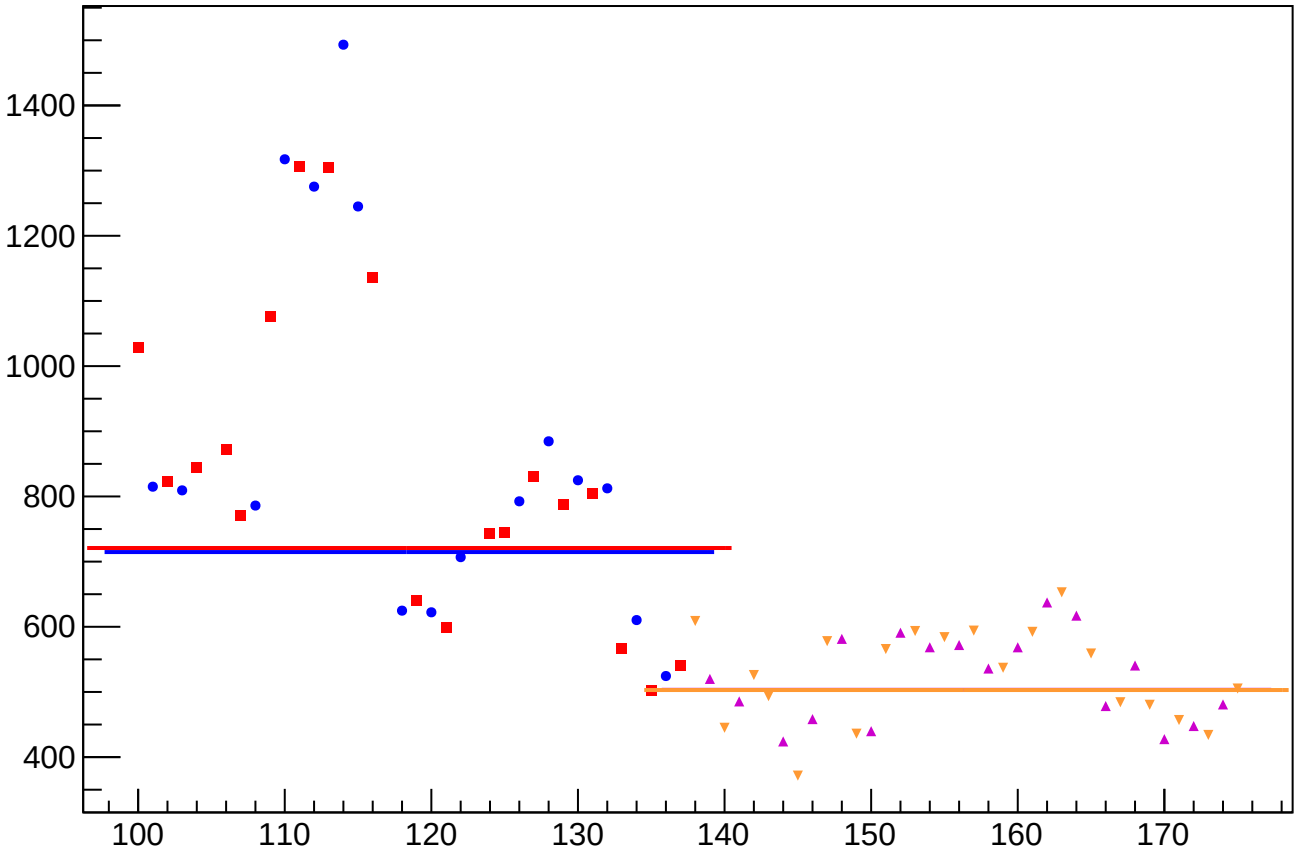
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 79.650+/-132.118 χ^2/NDF:22.7/17

+ sign 407.732+/-116.098 χ^2/NDF: 42.7/35

All: 272.502+/-83.091 χ^2/NDF: 83.3/72

- sign 130.493+/-118.972 χ^2/NDF: 37.8/36



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 502.950+/-0.091 χ^2/NDF:681240.4/19

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

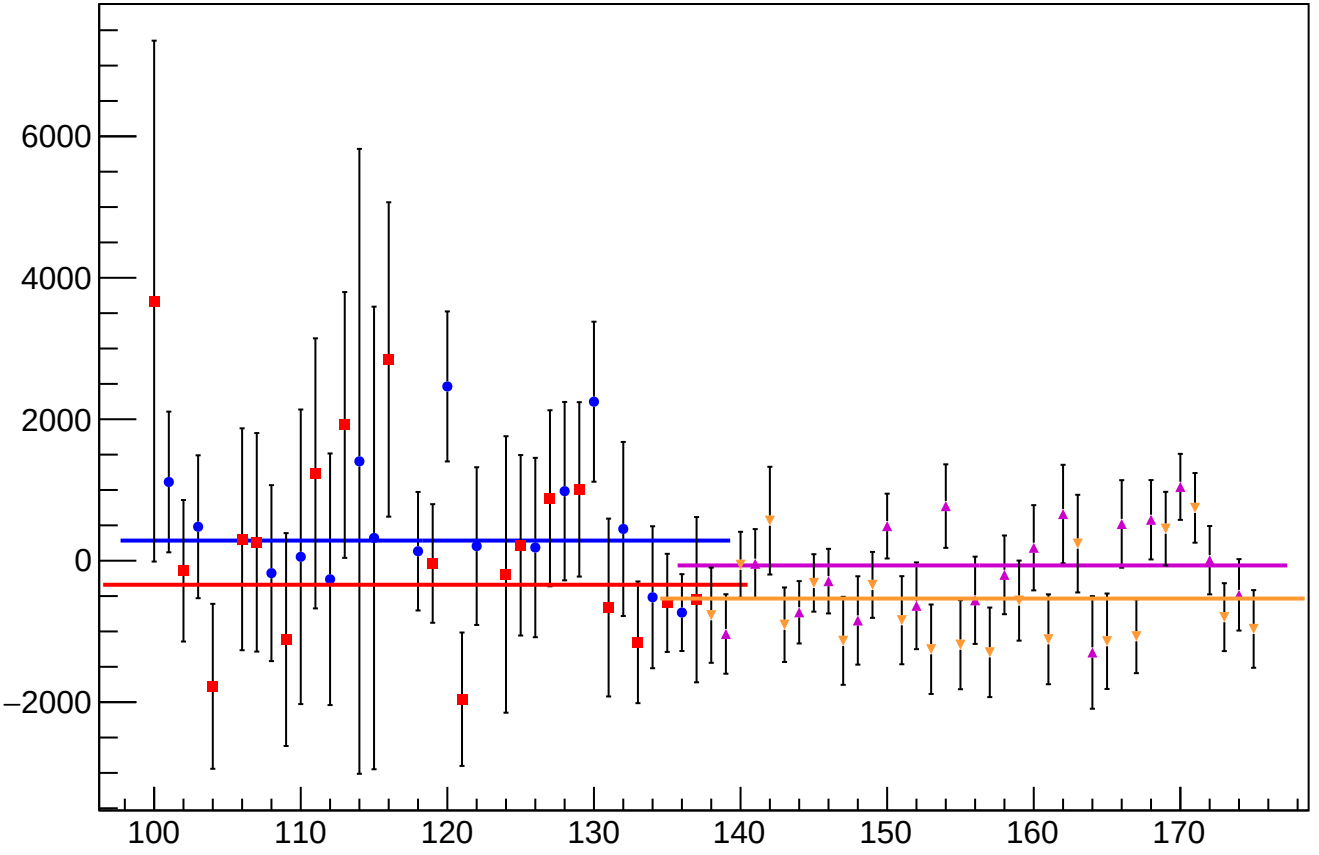
Left In: 503.275+/-0.093 χ^2/NDF:464370.1/17

+ sign 540.806+/-0.082 χ^2/NDF: 2534056.0/35

All: 542.570+/-0.059 χ^2/NDF: 5043783.9/72

- sign 544.423+/-0.084 χ^2/NDF: 2508780.7/36

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -535.064+/-124.504 χ^2/NDF:24.4/19

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

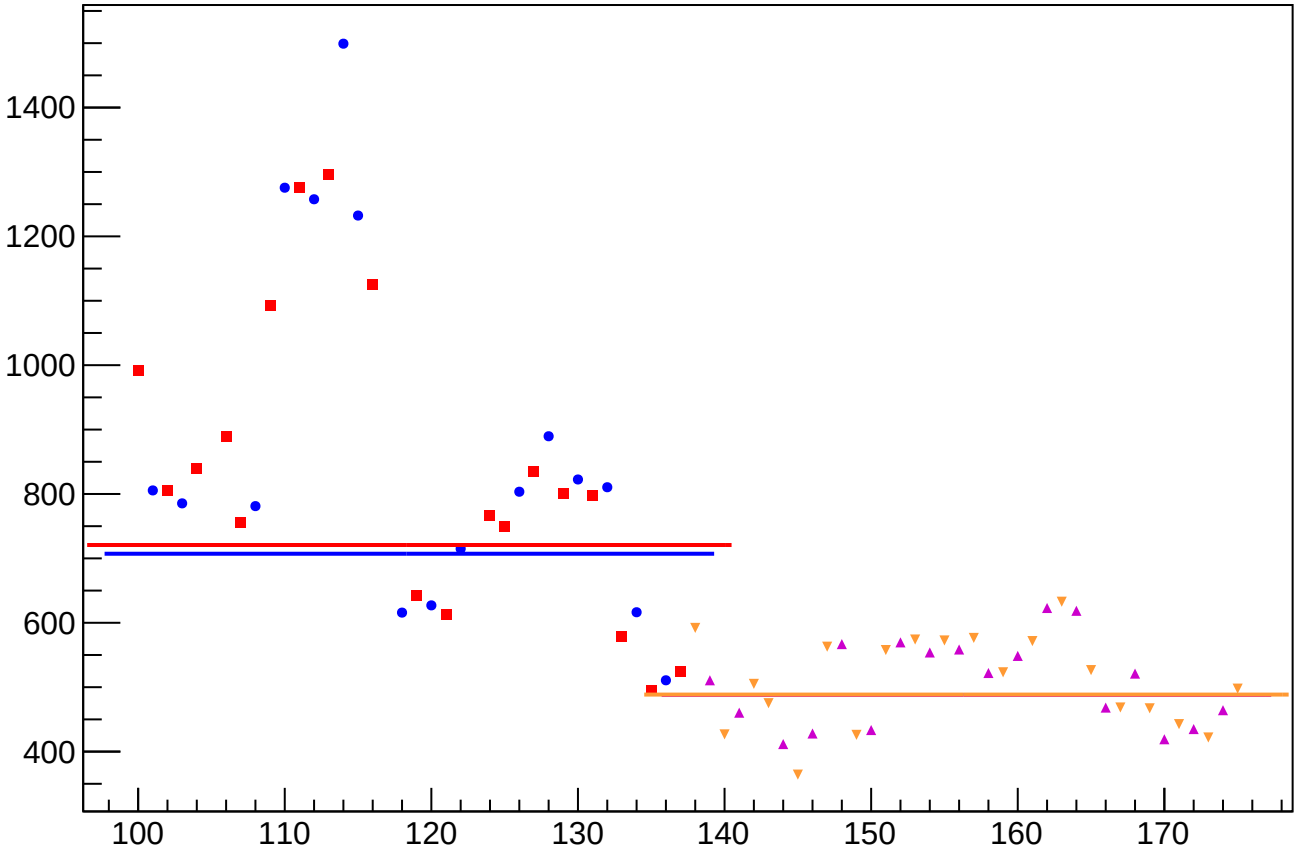
Left In: -66.789+/-128.065 χ^2/NDF:24.3/17

\+ sign -392.998+/-113.204 χ^2/NDF: 44.7/35

All: -257.811+/-81.013 χ^2/NDF: 86.9/72

\- sign -115.893+/-115.988 χ^2/NDF: 39.2/36

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 488.519+/-0.088 χ^2/NDF:669823.6/19

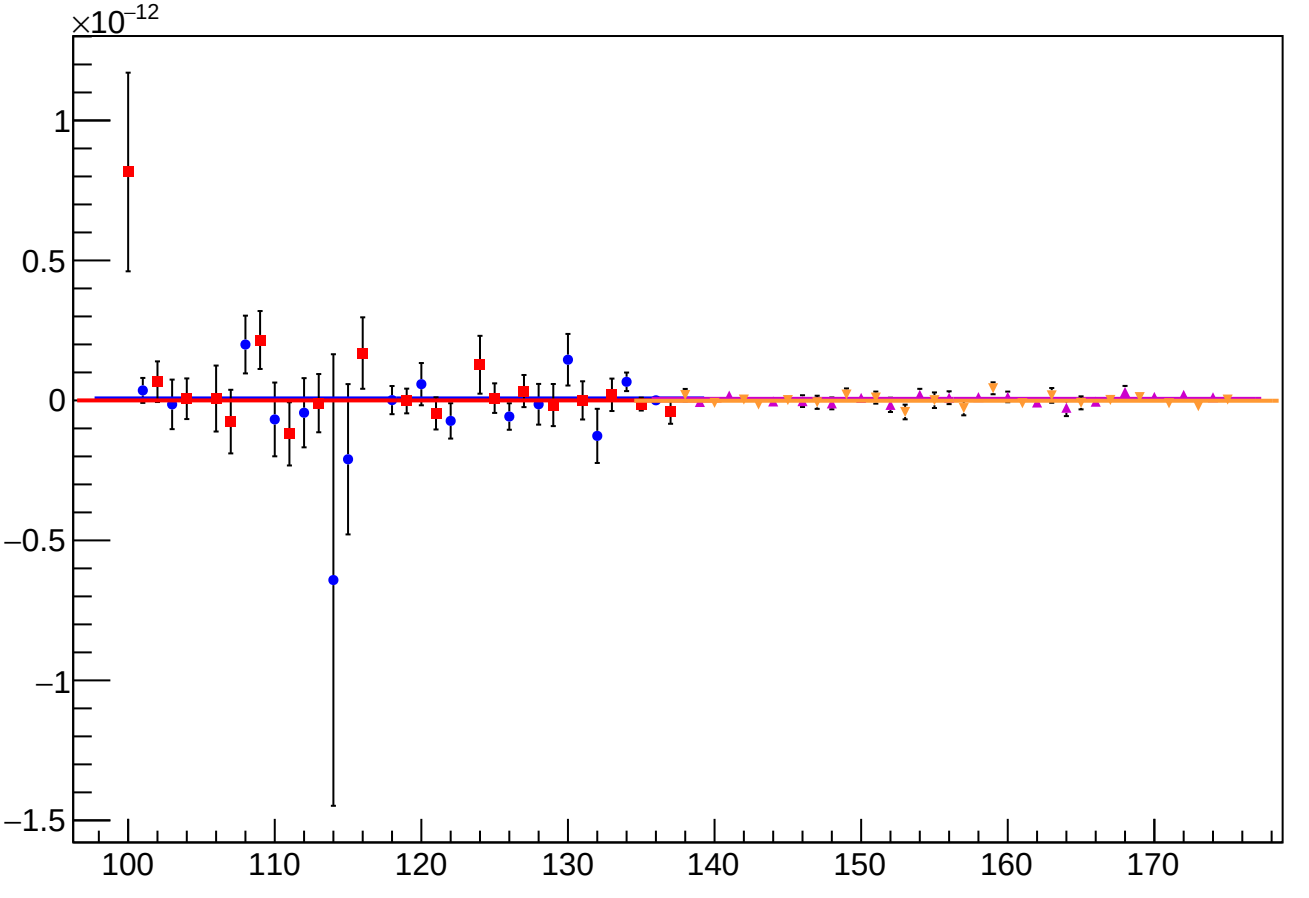
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 487.854+/-0.091 χ^2/NDF:488458.9/17

+ sign 526.415+/-0.080 χ^2/NDF: 2635779.3/35

All: 528.025+/-0.057 χ^2/NDF: 5329349.9/72

- sign 529.715+/-0.082 χ^2/NDF: 2692741.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/19

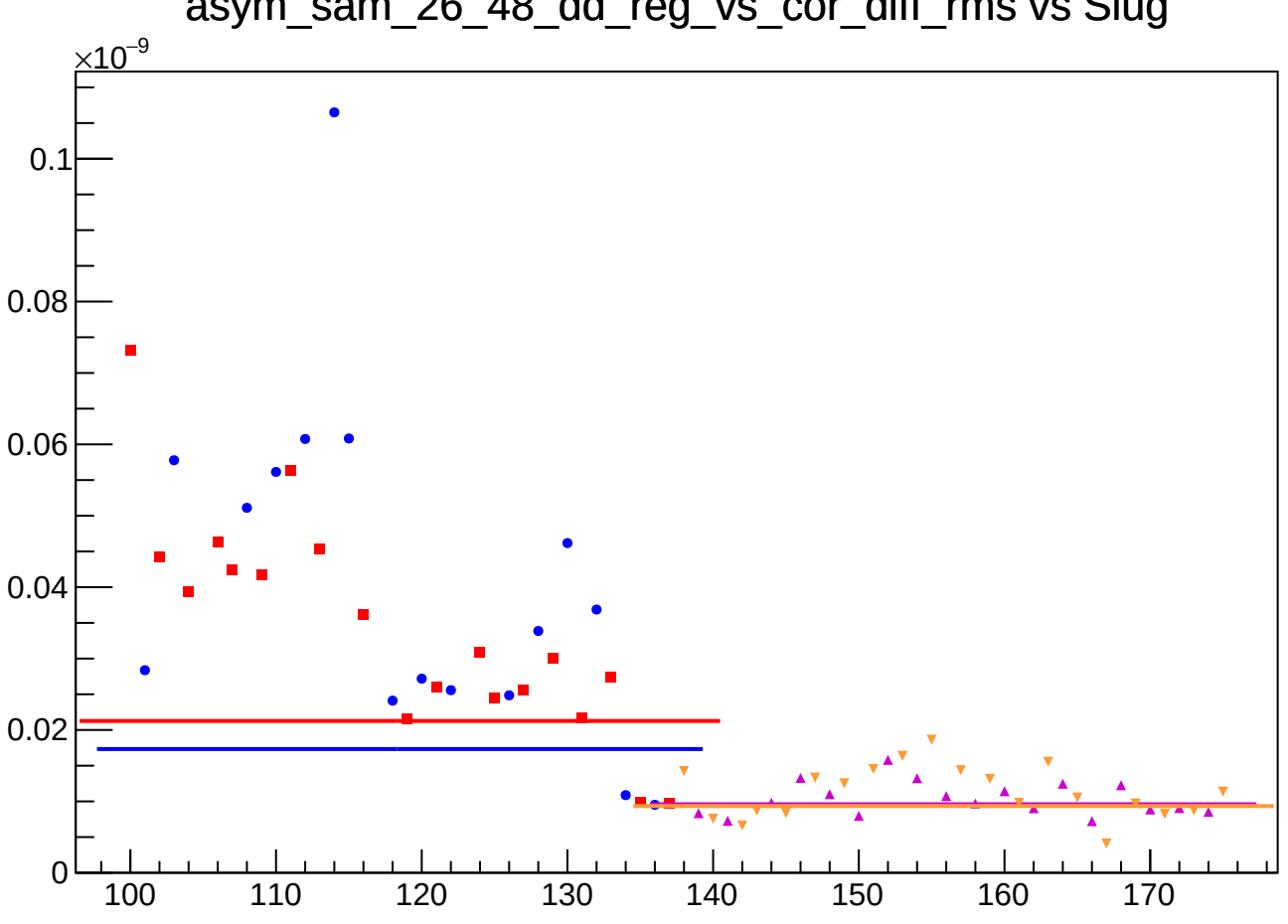
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 32.3/35

All: 0.000+/-0.000 χ^2/NDF: 59.5/72

- sign 0.000+/-0.000 χ^2/NDF: 26.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1719173.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

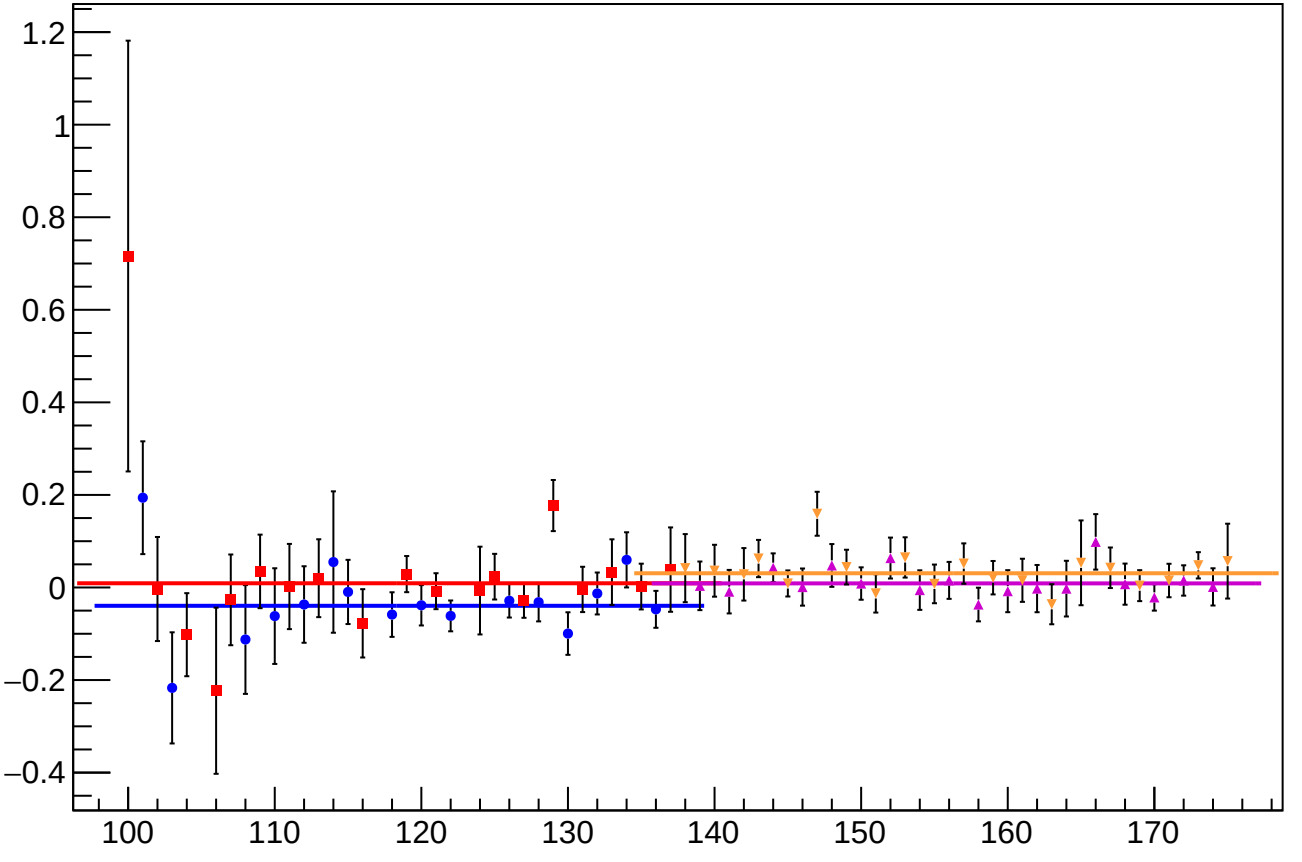
Left In: 0.000+/-0.000 χ^2/NDF:480628.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 4956723.1/35

All: 0.000+/-0.000 χ^2/NDF: 8506830.0/72

- sign 0.000+/-0.000 χ^2/NDF: 3535860.4/36

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: 0.031+/-0.009 χ^2/NDF:15.0/19

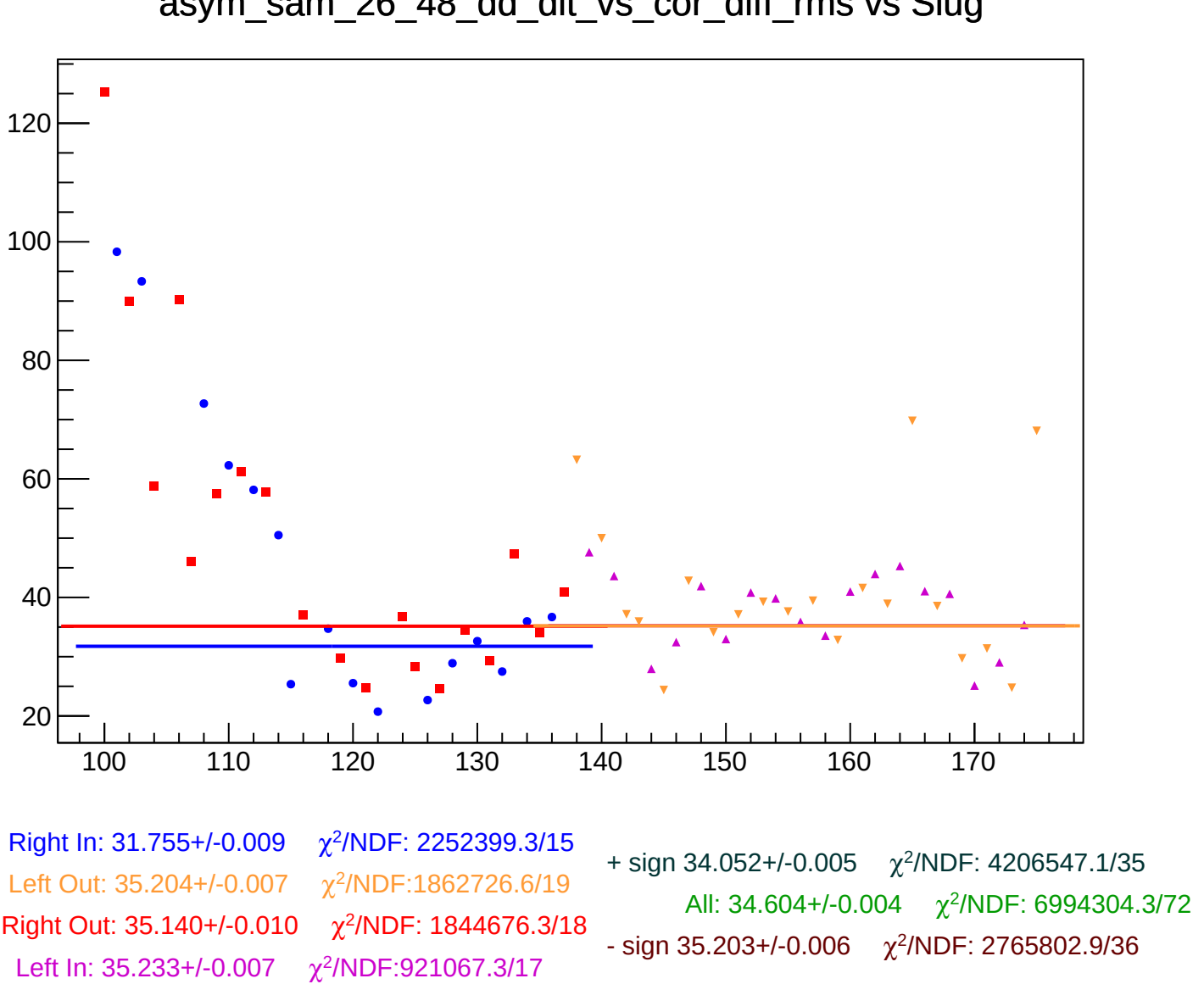
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

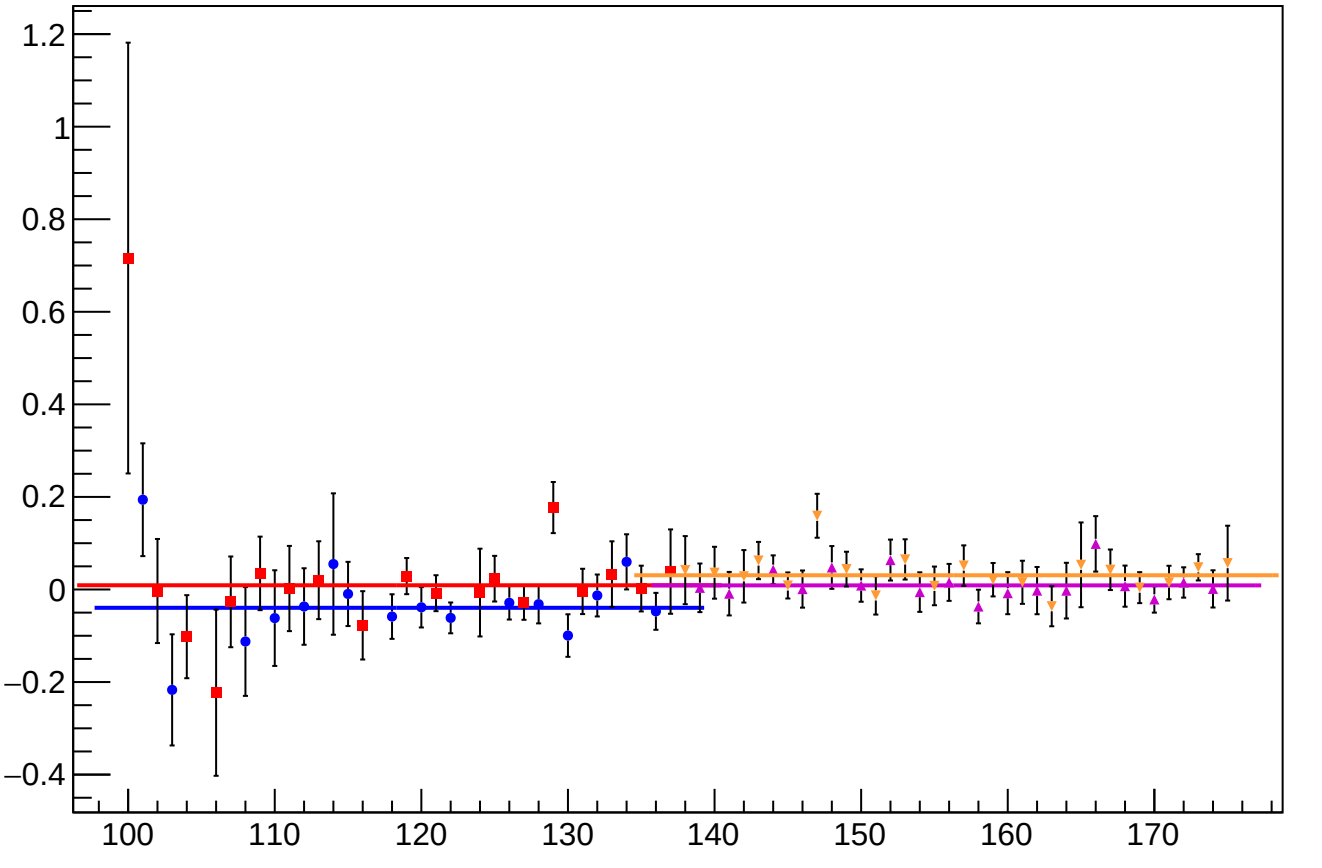
Left In: 0.009+/-0.010 χ^2/NDF:9.0/17

+ sign 0.007+/-0.008 χ^2/NDF: 46.4/35

All: 0.008+/-0.005 χ^2/NDF: 73.7/72

- sign 0.009+/-0.008 χ^2/NDF: 27.3/36


asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug
120
100
80
60
40
20
100
110
120
130
140
150
160
170
Right In: 31.755+/-0.009 χ²/NDF: 2252399.3/15
Left Out: 35.204+/-0.007 χ²/NDF:1862726.6/19
Right Out: 35.140+/-0.010 χ²/NDF: 1844676.3/18
Left In: 35.233+/-0.007 χ²/NDF:921067.3/17
+ sign 34.052+/-0.005 χ²/NDF: 4206547.1/35
All: 34.604+/-0.004 χ²/NDF: 6994304.3/72
- sign 35.203+/-0.006 χ²/NDF: 2765802.9/36



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.0/19

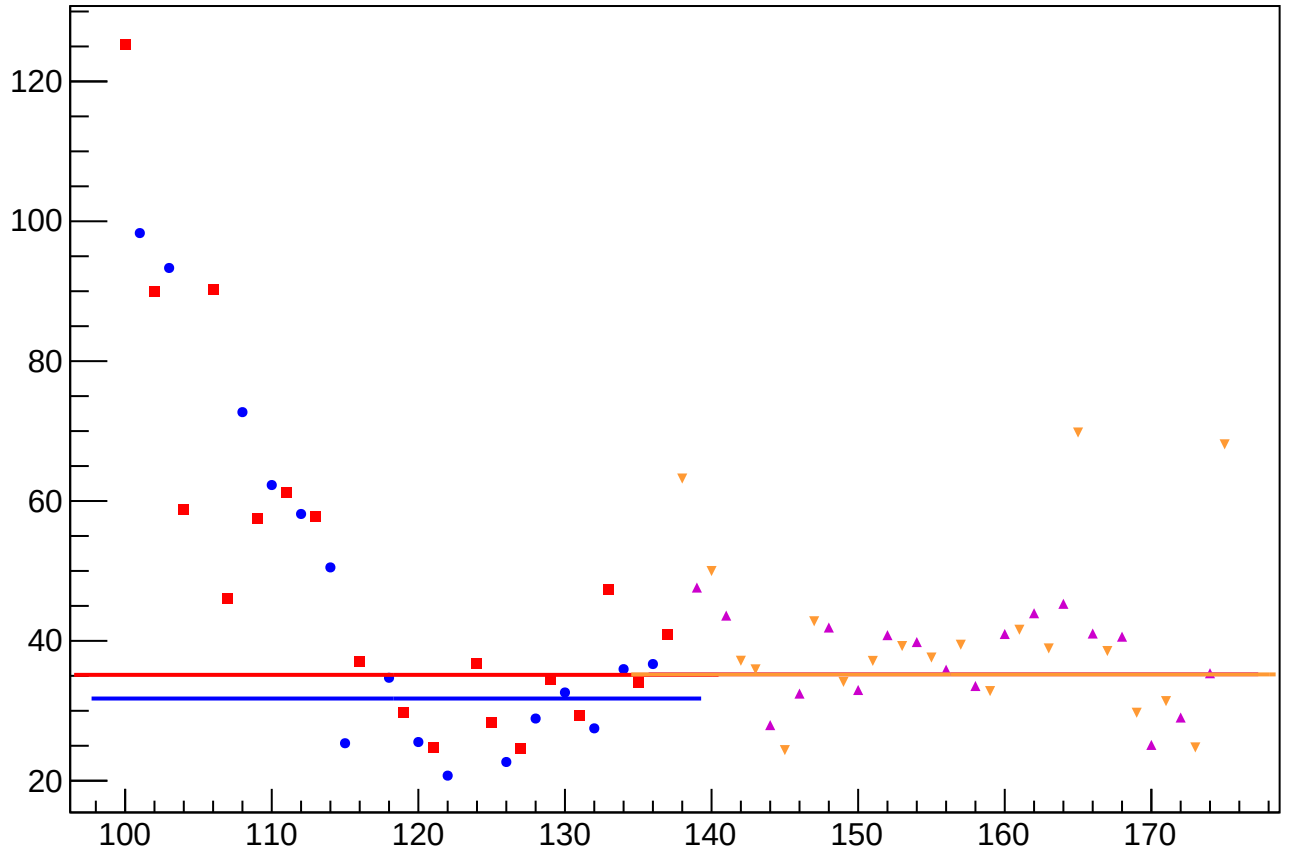
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.009+/-0.010 χ^2/NDF:9.0/17

+ sign 0.007+/-0.008 χ^2/NDF: 46.4/35

All: 0.008+/-0.005 χ^2/NDF: 73.7/72

- sign 0.009+/-0.008 χ^2/NDF: 27.3/36



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.204+/-0.007 χ^2/NDF:1862726.6/19

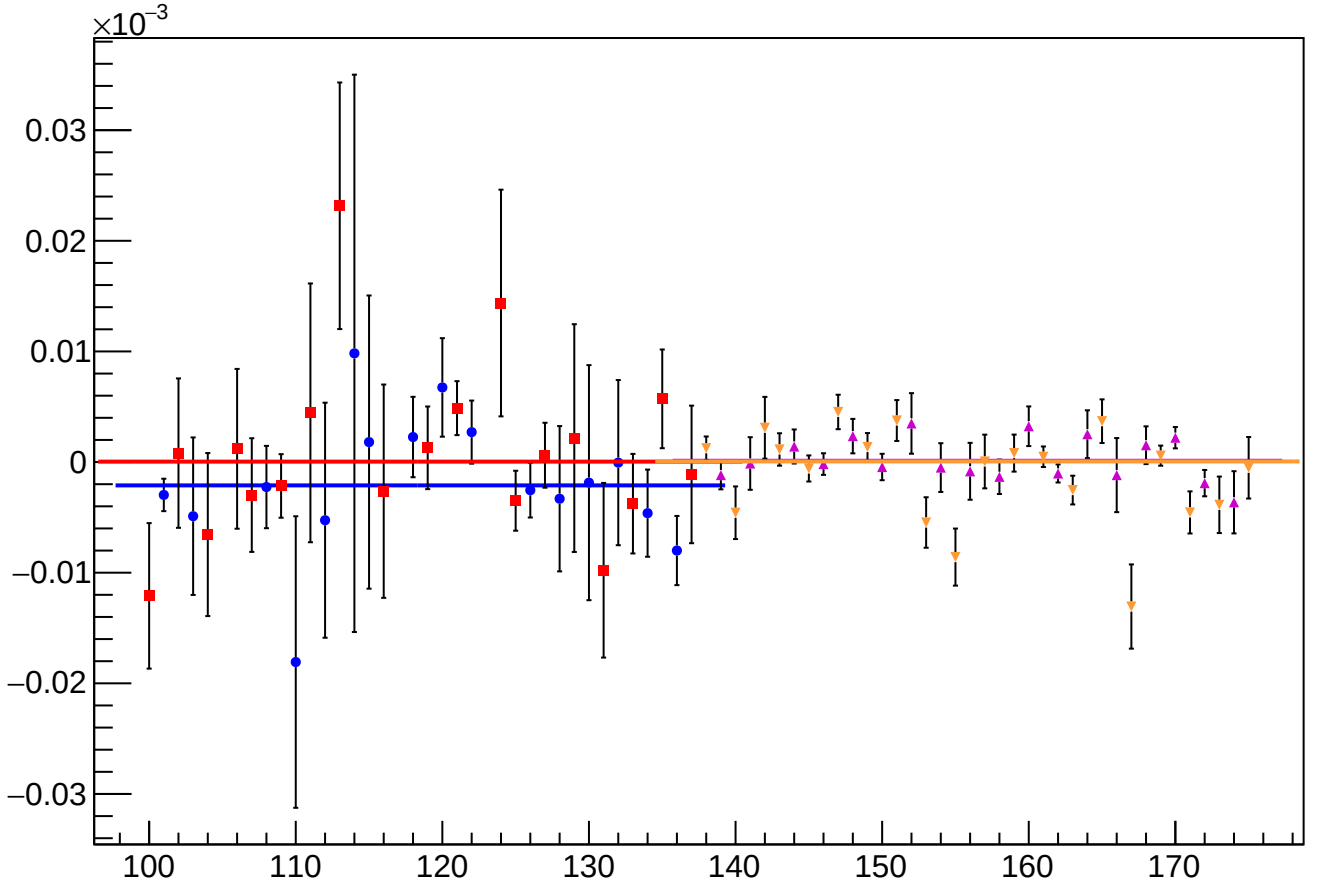
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.233+/-0.007 χ^2/NDF:921067.3/17

\+ sign 34.052+/-0.005 χ^2/NDF: 4206547.1/35

All: 34.604+/-0.004 χ^2/NDF: 6994304.3/72

\- sign 35.203+/-0.006 χ^2/NDF: 2765802.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:65.8/19

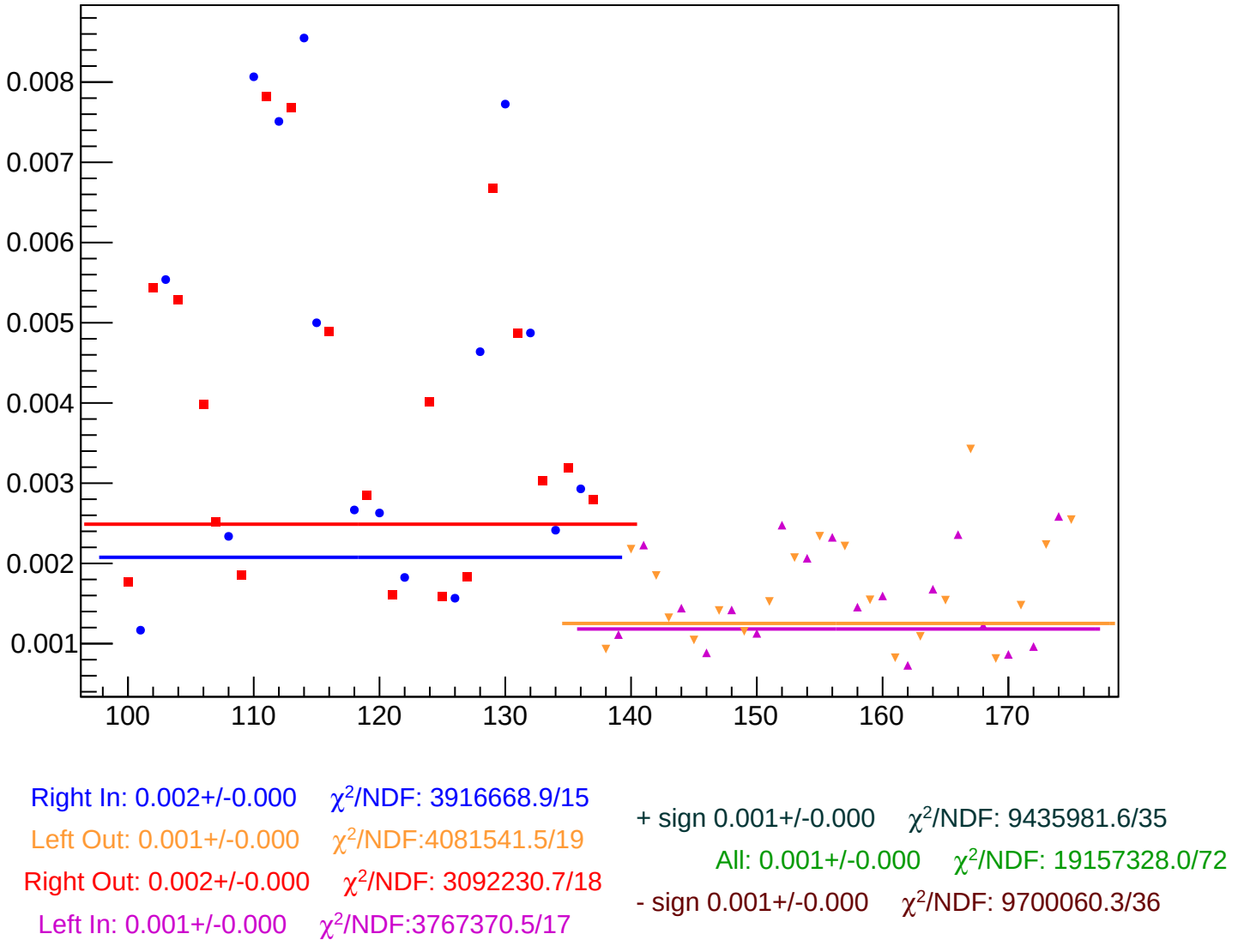
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

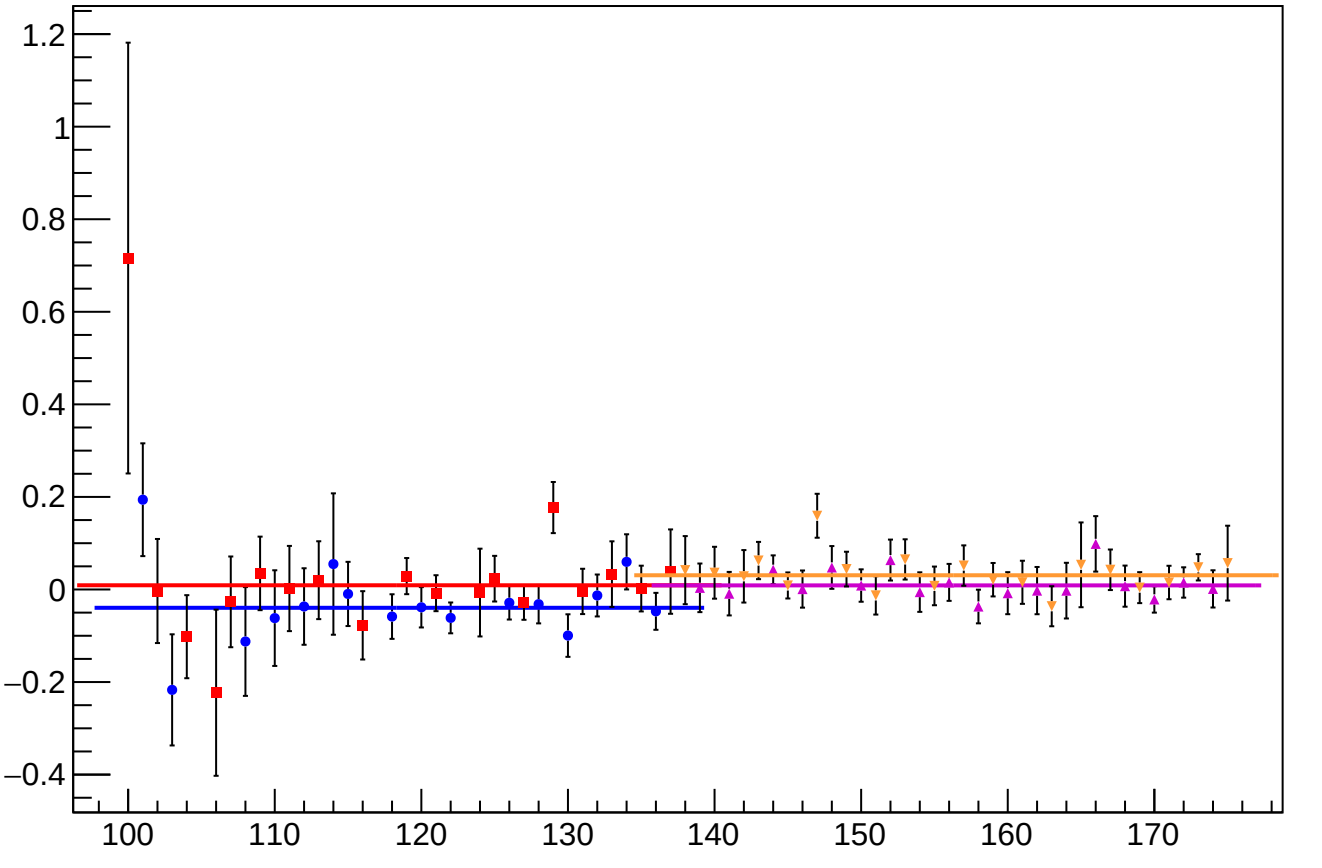
Left In: 0.000+/-0.000 χ^2/NDF:23.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 85.4/35

All: -0.000+/-0.000 χ^2/NDF: 130.4/72

- sign 0.000+/-0.000 χ^2/NDF: 44.5/36


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:4081541.5/19
Right Out: 0.002+/-0.000 χ²/NDF: 3092230.7/18
Left In: 0.001+/-0.000 χ²/NDF:3767370.5/17
+ sign 0.001+/-0.000 χ²/NDF: 9435981.6/35
All: 0.001+/-0.000 χ²/NDF: 19157328.0/72
- sign 0.001+/-0.000 χ²/NDF: 9700060.3/36



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.0/19

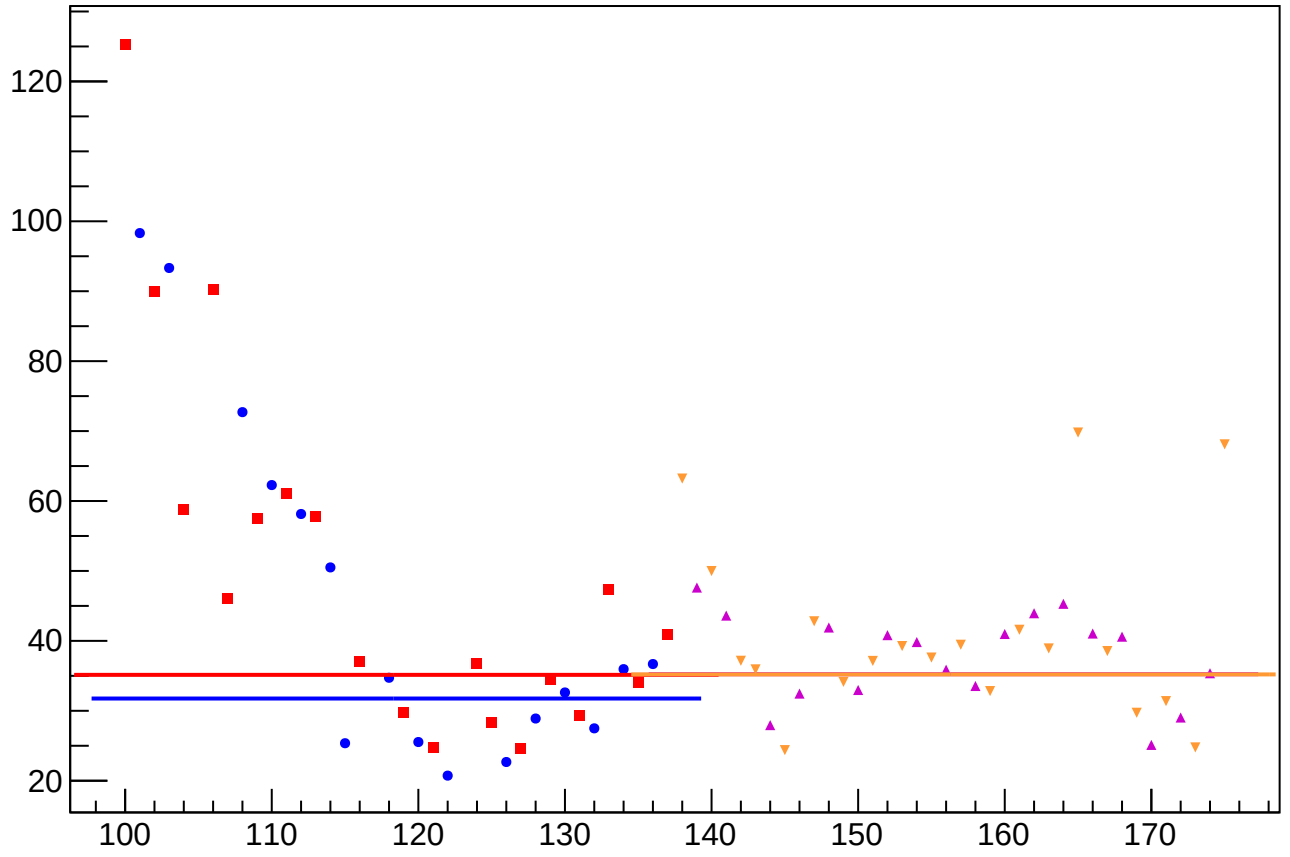
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.009+/-0.010 χ^2/NDF:9.0/17

+ sign 0.007+/-0.008 χ^2/NDF: 46.4/35

All: 0.008+/-0.005 χ^2/NDF: 73.7/72

- sign 0.009+/-0.008 χ^2/NDF: 27.3/36



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.204+/-0.007 χ^2/NDF:1862766.3/19

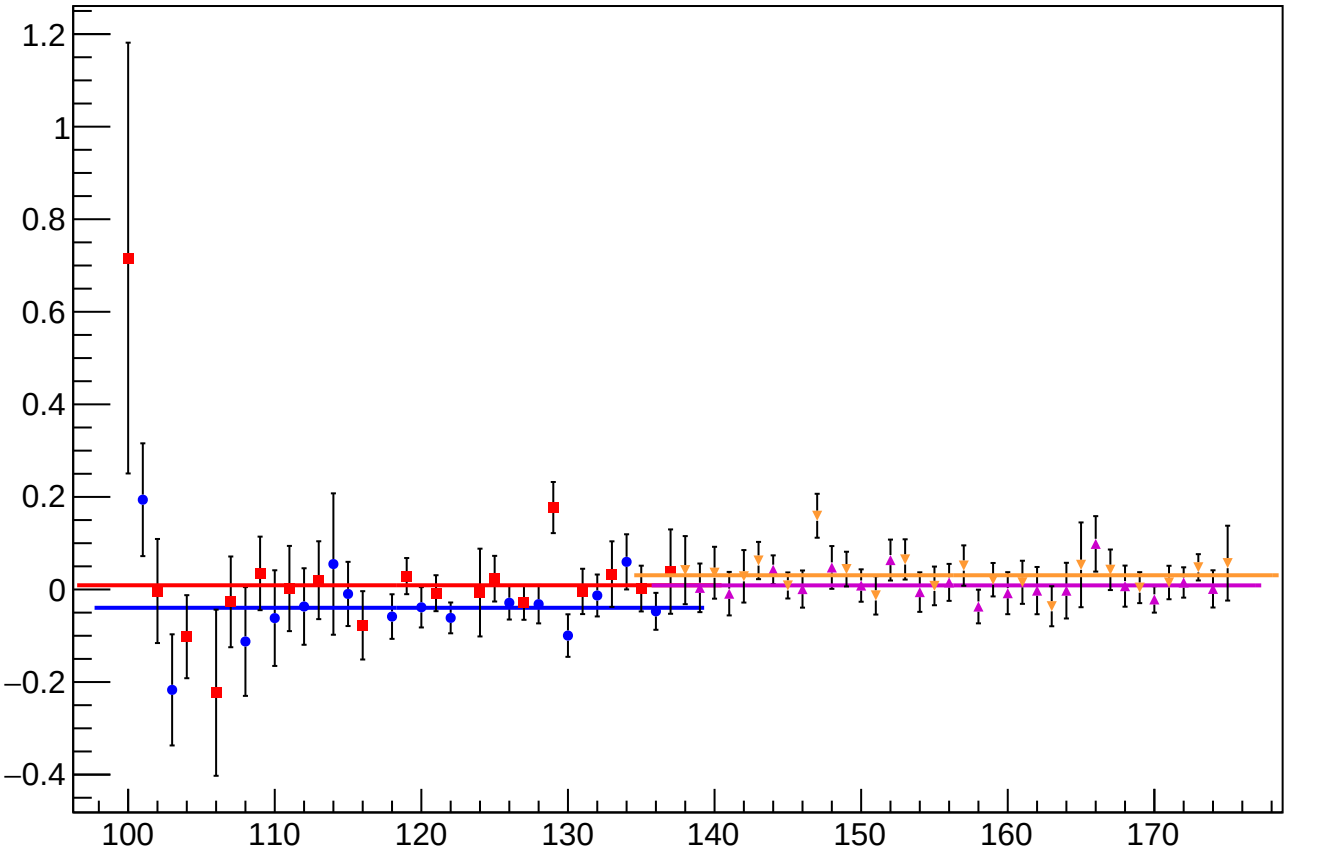
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.233+/-0.007 χ^2/NDF:921083.1/17

\+ sign 34.052+/-0.005 χ^2/NDF: 4206539.9/35

All: 34.604+/-0.004 χ^2/NDF: 6994208.2/72

\- sign 35.204+/-0.006 χ^2/NDF: 2765714.2/36



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.0/19

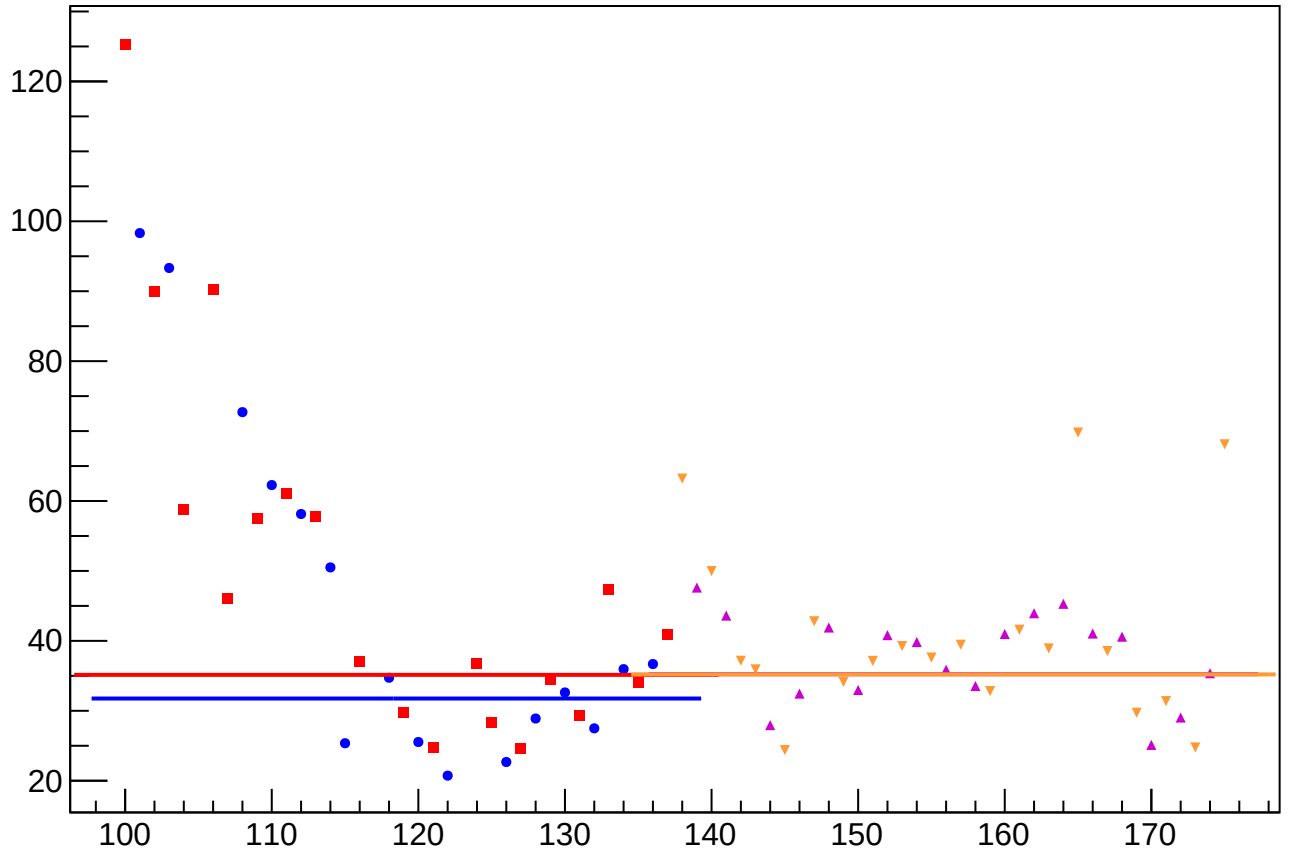
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.009+/-0.010 χ^2/NDF:9.0/17

+ sign 0.007+/-0.008 χ^2/NDF: 46.4/35

All: 0.008+/-0.005 χ^2/NDF: 73.7/72

- sign 0.009+/-0.008 χ^2/NDF: 27.3/36



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.204+/-0.007 χ^2/NDF:1862766.3/19

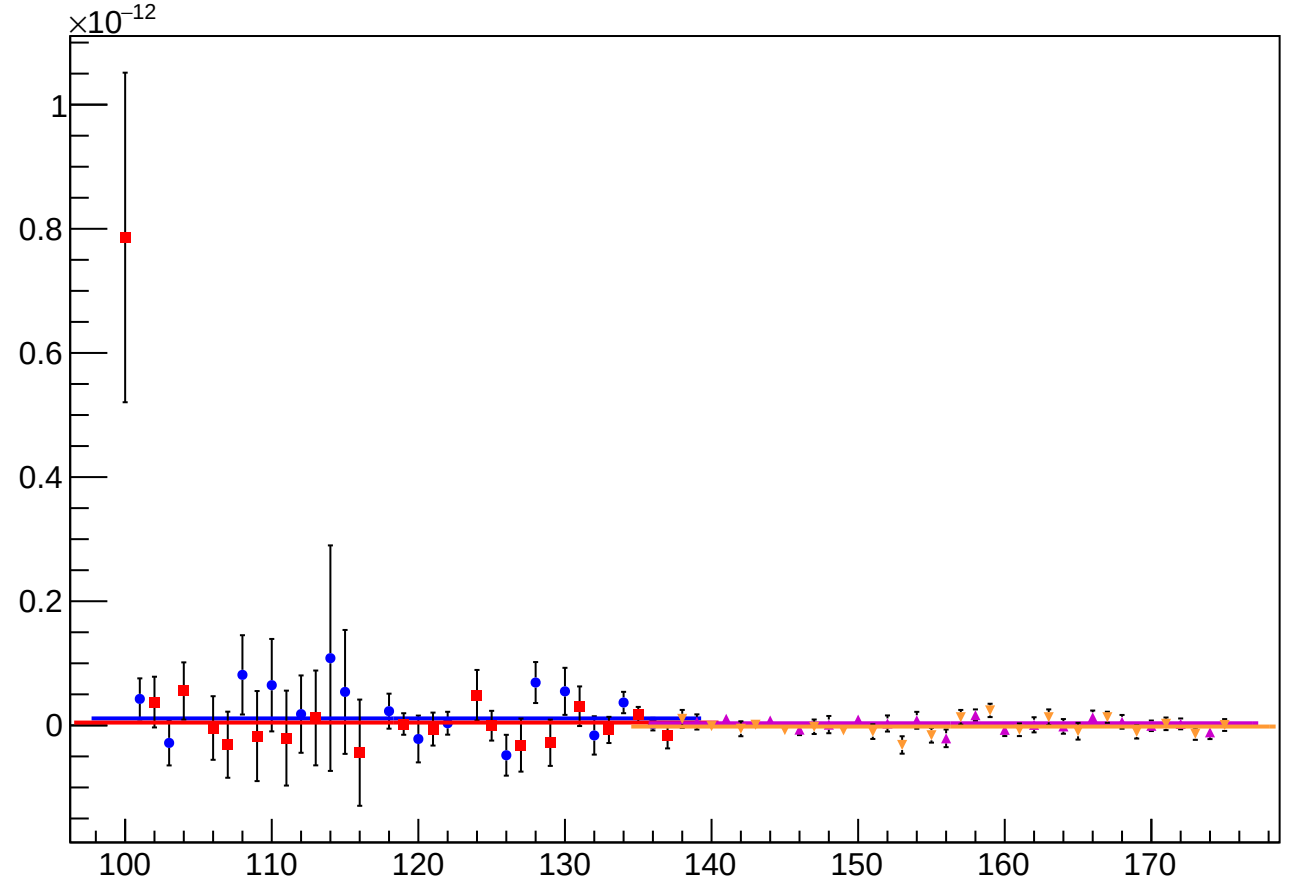
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.233+/-0.007 χ^2/NDF:921083.1/17

+ sign 34.052+/-0.005 χ^2/NDF: 4206539.9/35

All: 34.604+/-0.004 χ^2/NDF: 6994208.2/72

- sign 35.204+/-0.006 χ^2/NDF: 2765714.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/19

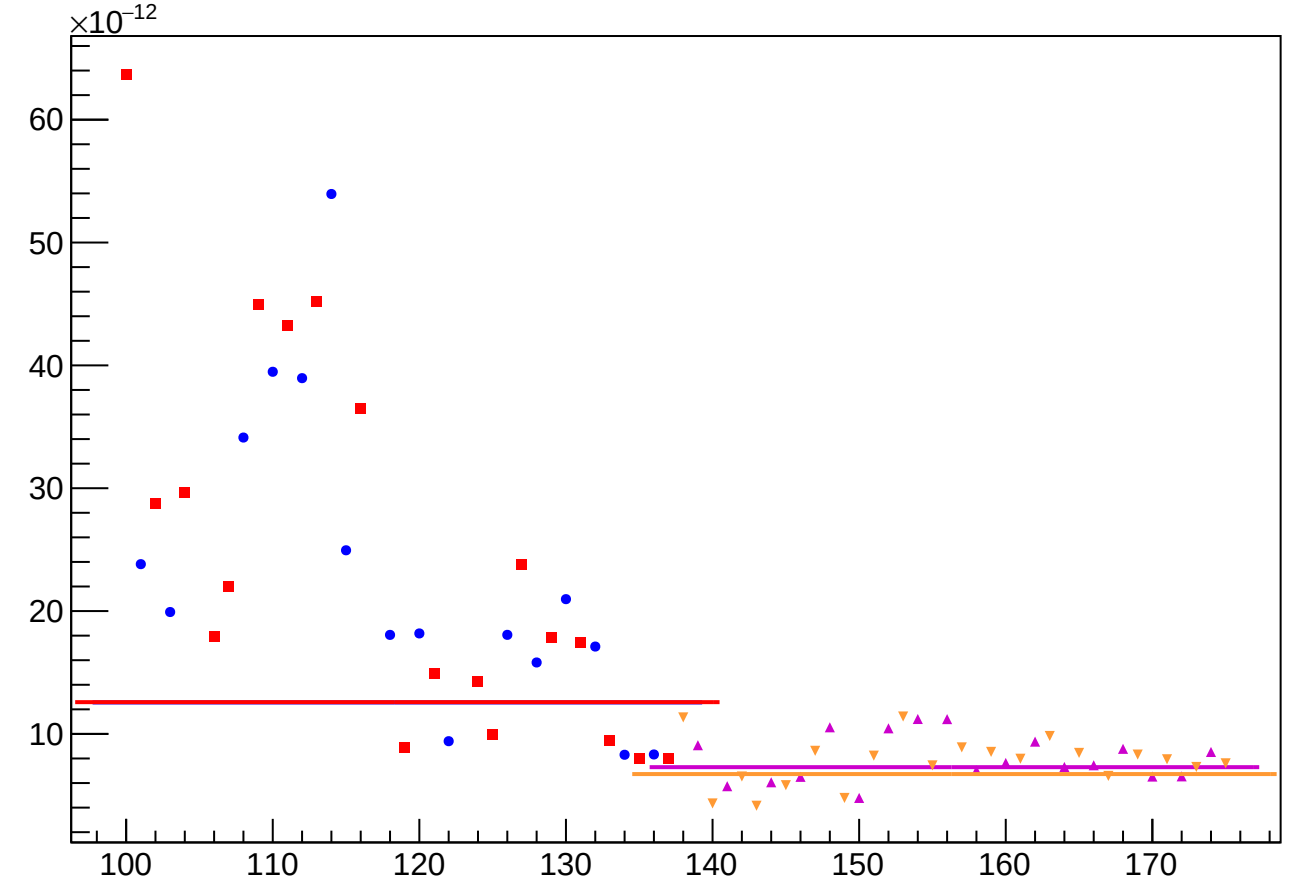
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 43.8/35

All: 0.000+/-0.000 χ^2/NDF: 75.7/72

- sign 0.000+/-0.000 χ^2/NDF: 30.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1758237.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

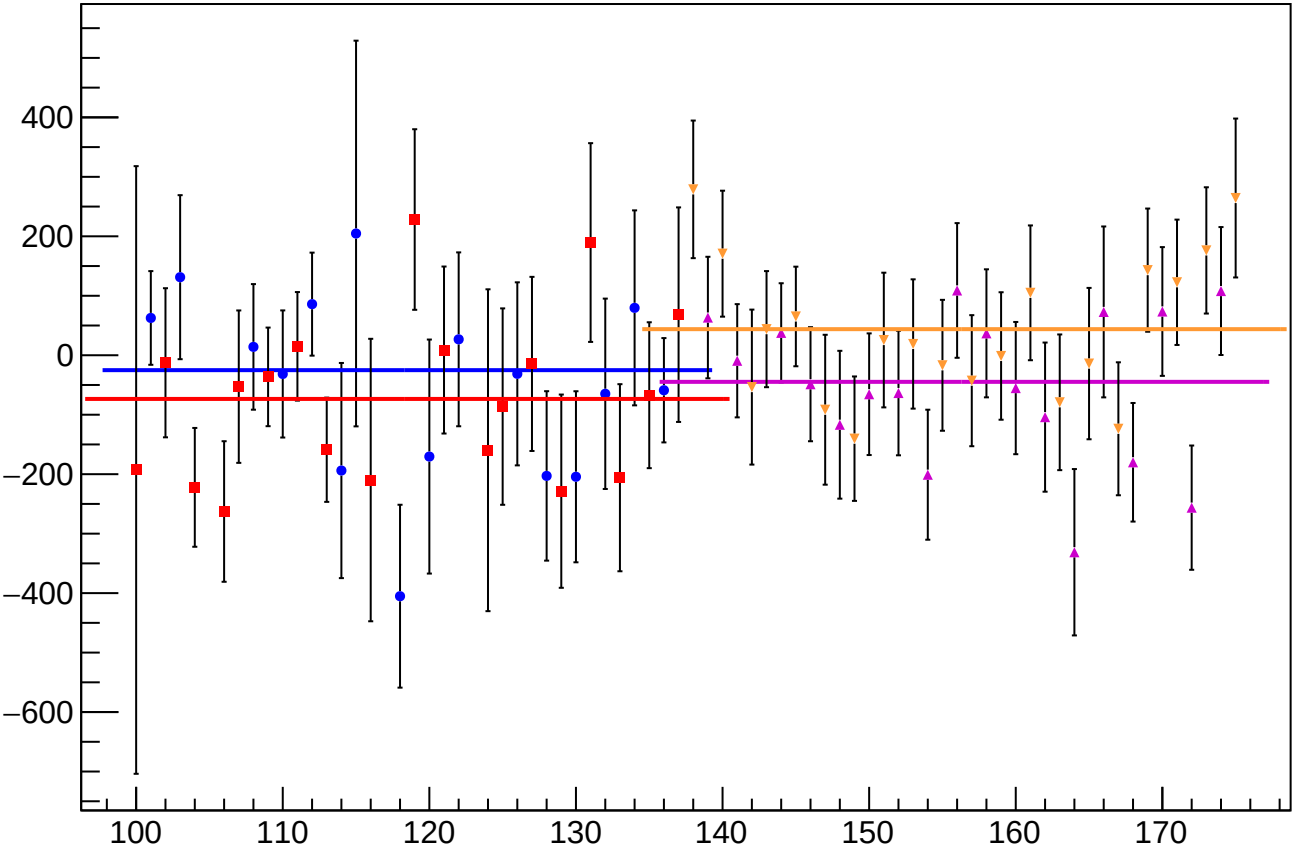
Left In: 0.000+/-0.000 χ^2/NDF:1133067.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 5397256.5/35

All: 0.000+/-0.000 χ^2/NDF: 10477110.3/72

- sign 0.000+/-0.000 χ^2/NDF: 5008747.0/36

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.867+/-24.517 χ^2/NDF:21.3/19

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

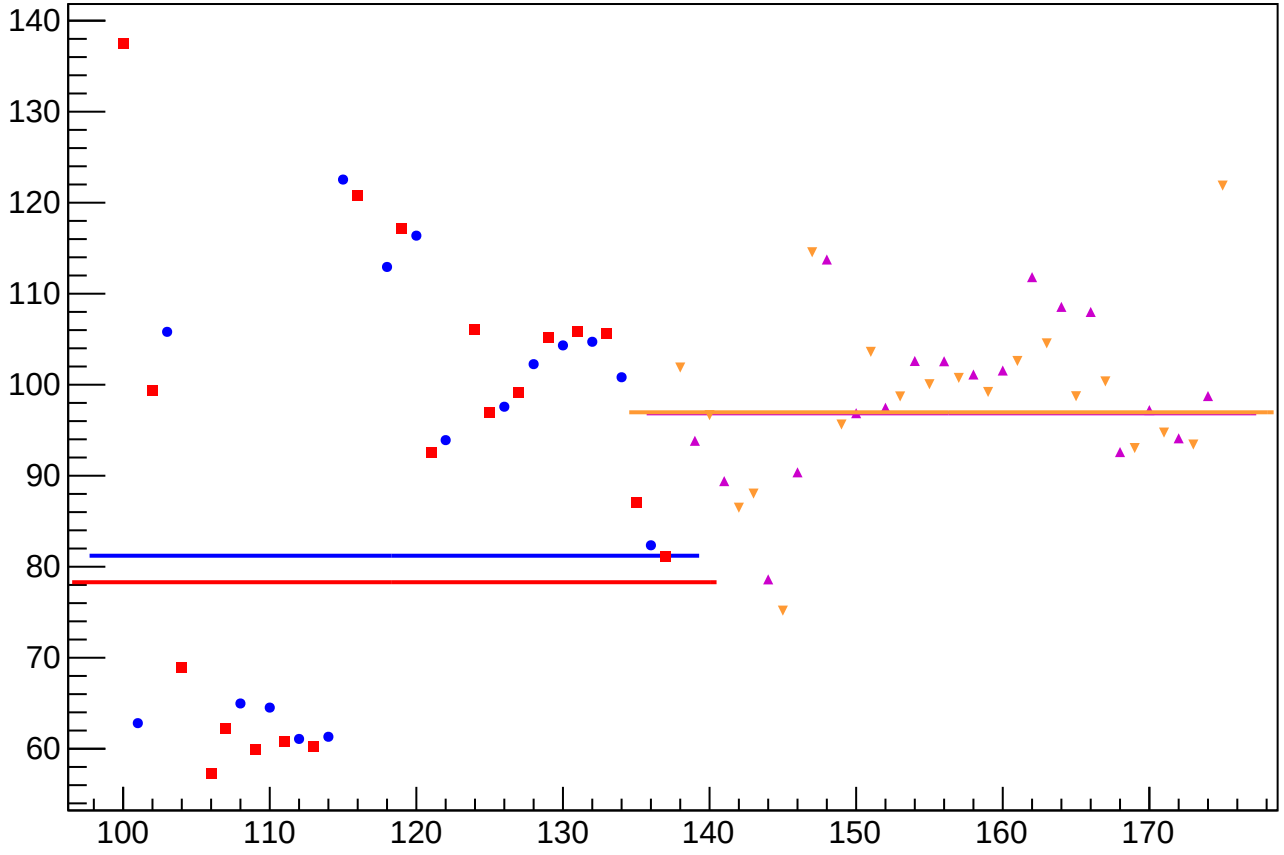
Left In: -44.726+/-25.270 χ^2/NDF:21.4/17

+ sign 17.580+/-19.284 χ^2/NDF: 40.5/35

All: -19.501+/-13.645 χ^2/NDF: 86.6/72

- sign -56.681+/-19.310 χ^2/NDF: 38.7/36

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.969+/-0.017 χ^2/NDF:311772.7/19

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

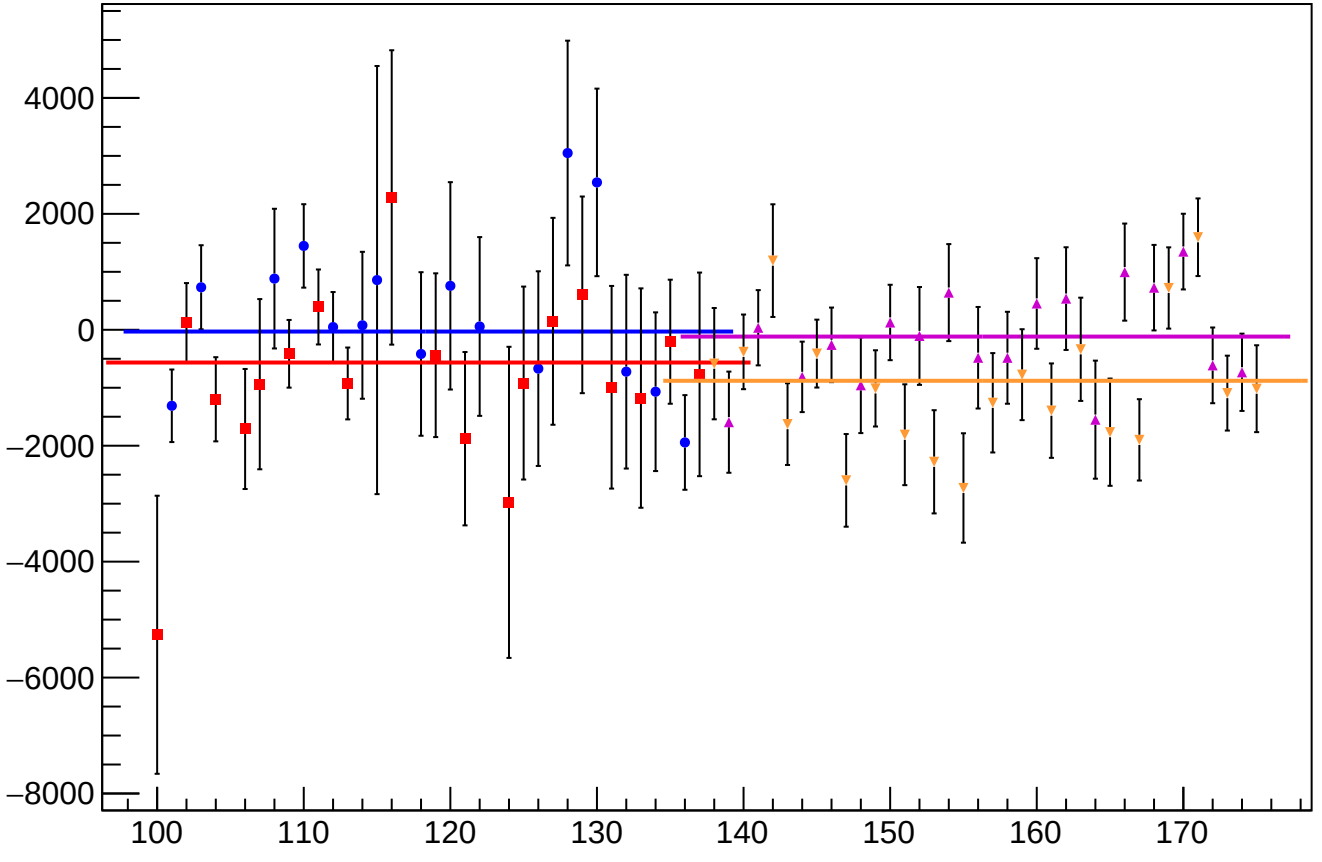
Left In: 96.853+/-0.018 χ^2/NDF:233389.8/17

\+ sign 90.960+/-0.014 χ^2/NDF: 1414561.1/35

All: 90.047+/-0.010 χ^2/NDF: 3040292.5/72

\- sign 89.132+/-0.014 χ^2/NDF: 1616760.1/36

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -879.814+/-170.355 χ^2/NDF:42.2/19

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

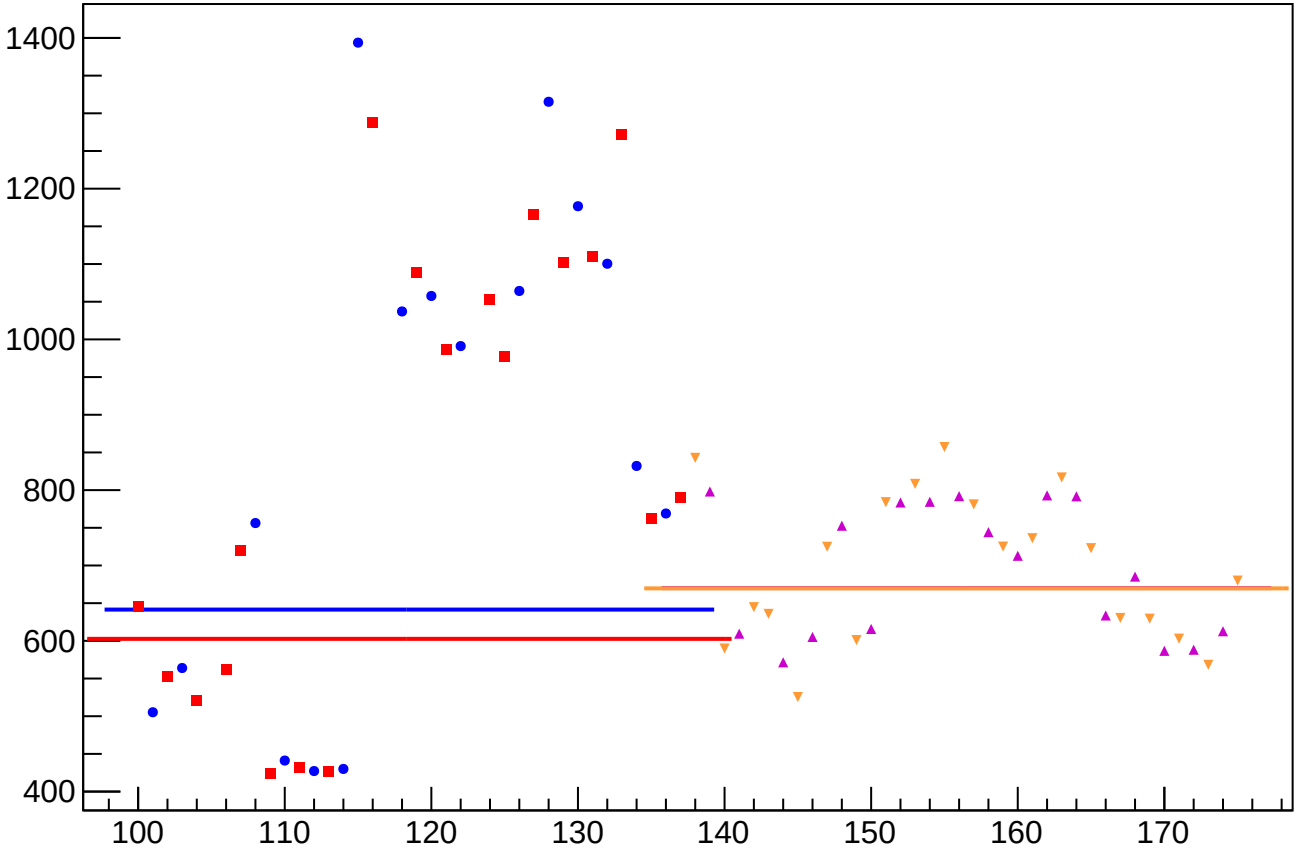
Left In: -117.348+/-175.565 χ^2/NDF:19.3/17

+ sign -620.524+/-141.993 χ^2/NDF: 71.6/35

All: -446.841+/-100.189 χ^2/NDF: 109.4/72

- sign -274.638+/-141.386 χ^2/NDF: 34.8/36

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 669.619+/-0.120 χ^2/NDF:617188.4/19

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

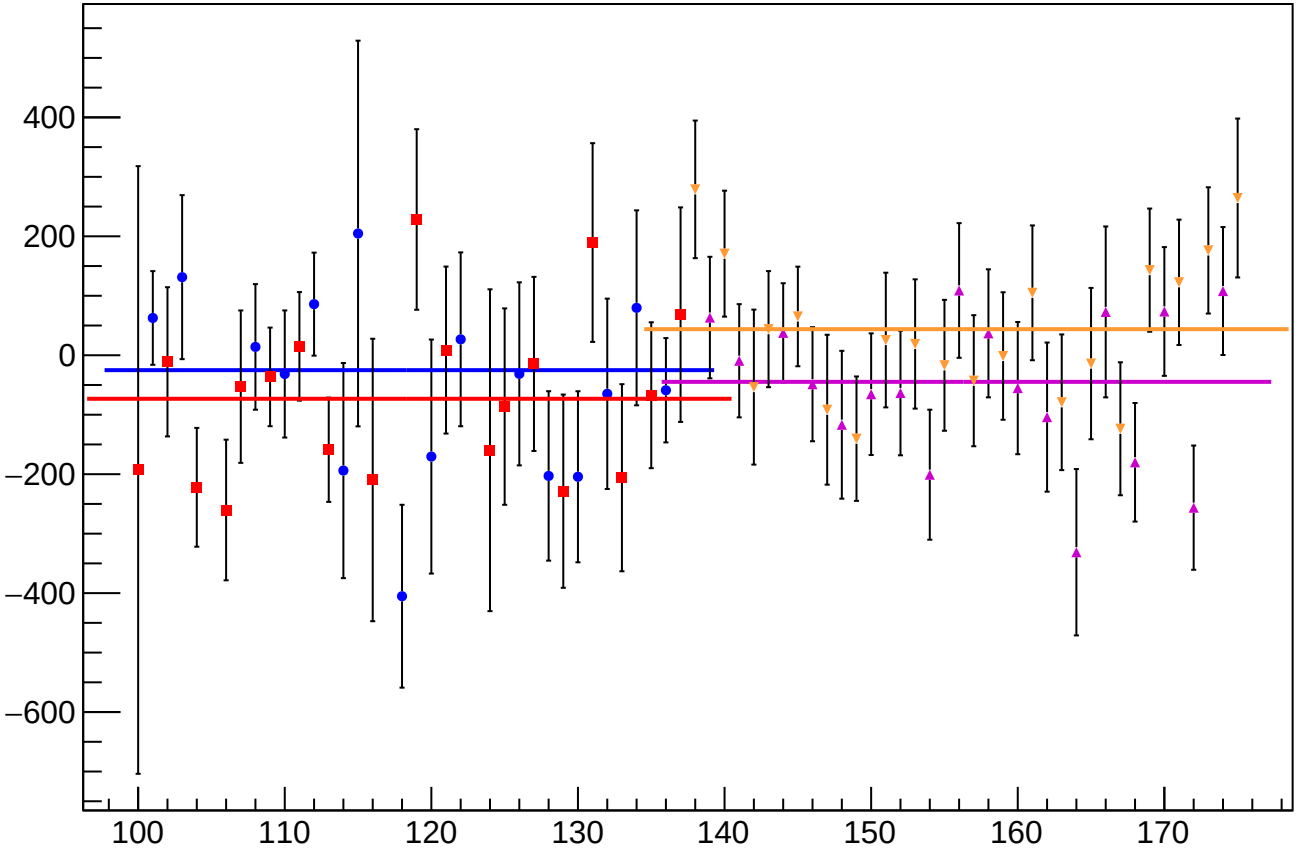
Left In: 670.007+/-0.124 χ^2/NDF:453724.7/17

+ sign 661.035+/-0.100 χ^2/NDF: 2508815.1/35

All: 653.654+/-0.071 χ^2/NDF: 5147063.0/72

- sign 646.335+/-0.100 χ^2/NDF: 2627484.5/36

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.870+/-24.517 χ^2/NDF:21.3/19

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

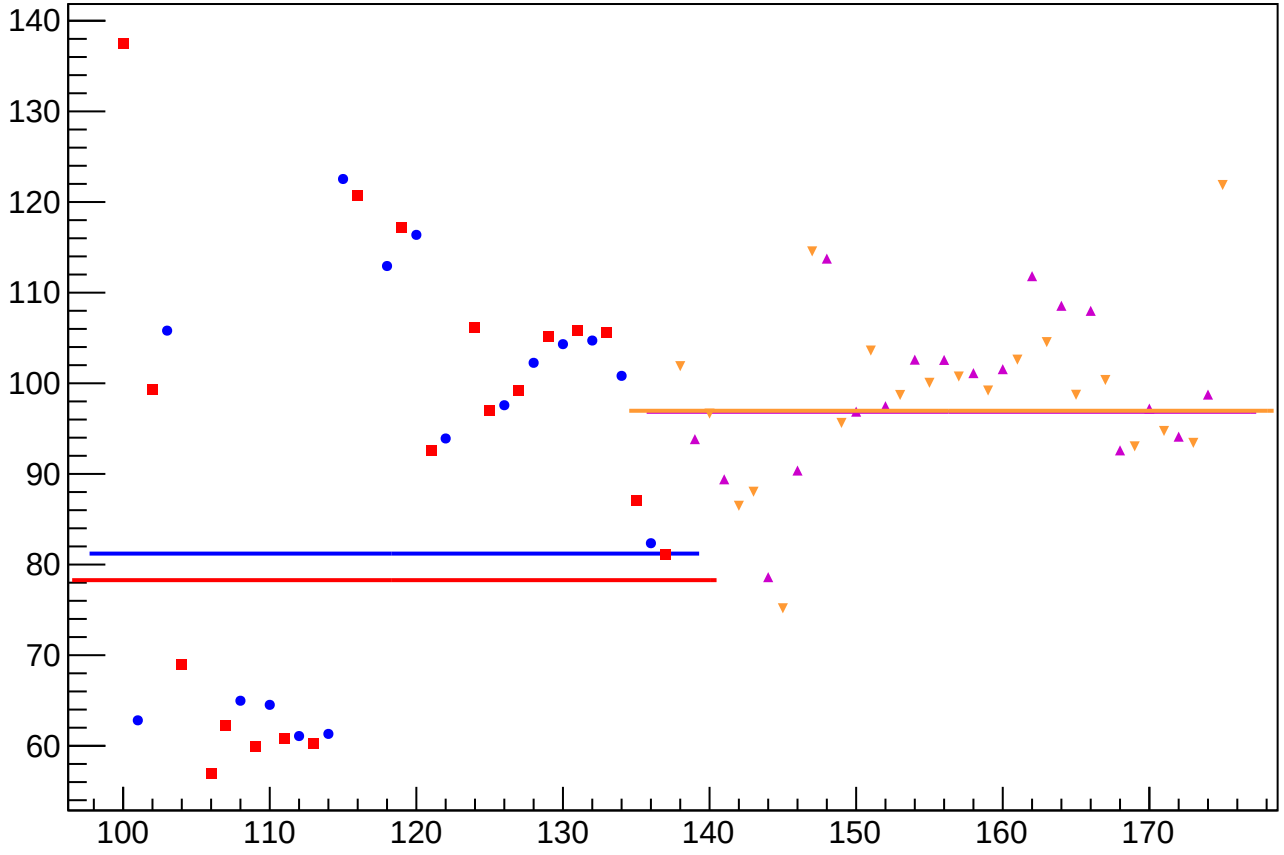
Left In: -44.724+/-25.270 χ^2/NDF:21.4/17

+ sign 17.581+/-19.284 χ^2/NDF: 40.5/35

All: -19.444+/-13.645 χ^2/NDF: 86.5/72

- sign -56.569+/-19.310 χ^2/NDF: 38.6/36

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.969+/-0.017 χ^2/NDF:311772.6/19

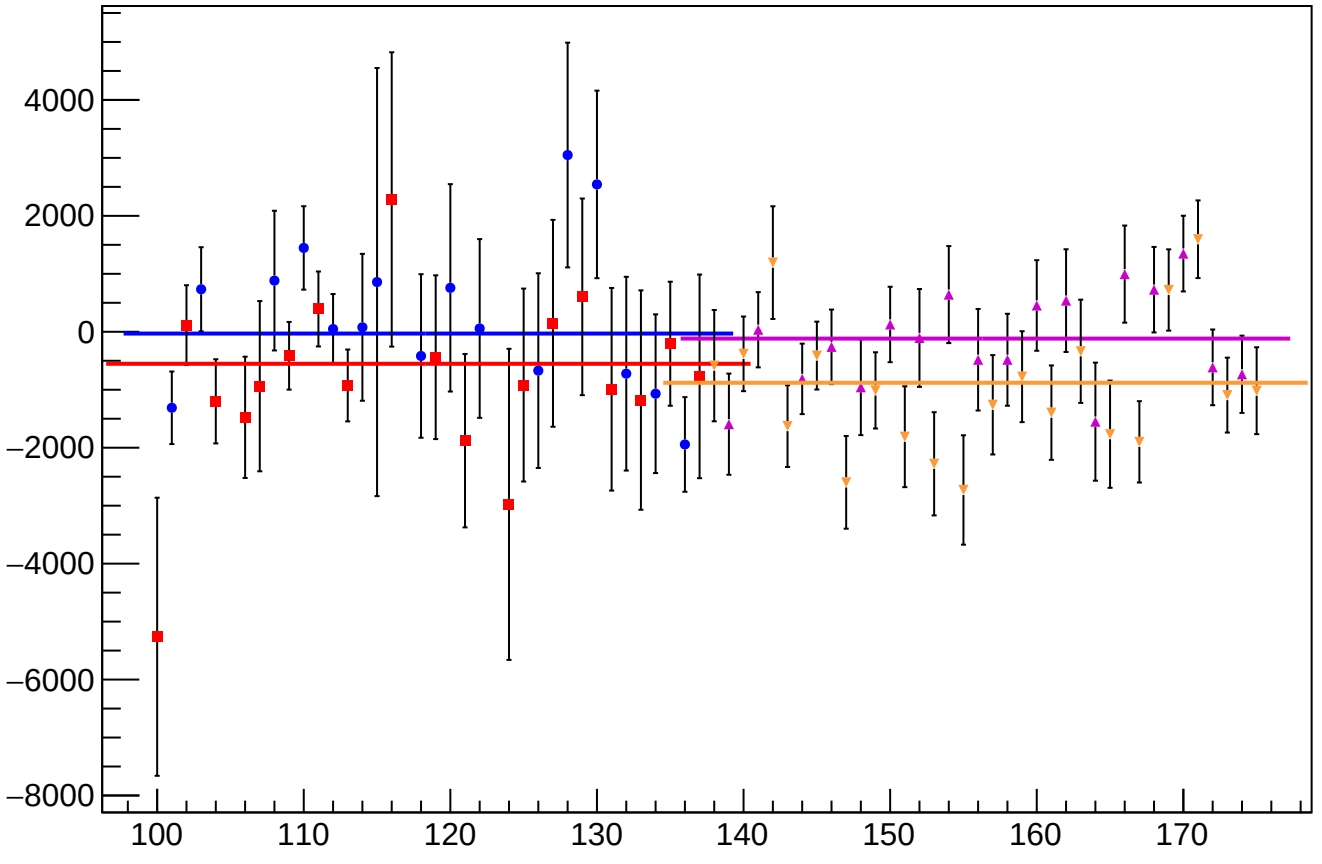
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.853+/-0.018 χ^2/NDF:233389.8/17

+ sign 90.960+/-0.014 χ^2/NDF: 1414562.6/35

All: 90.044+/-0.010 χ^2/NDF: 3043373.1/72

- sign 89.125+/-0.014 χ^2/NDF: 1619768.4/36



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -879.811+/-170.355 χ^2/NDF:42.2/19

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

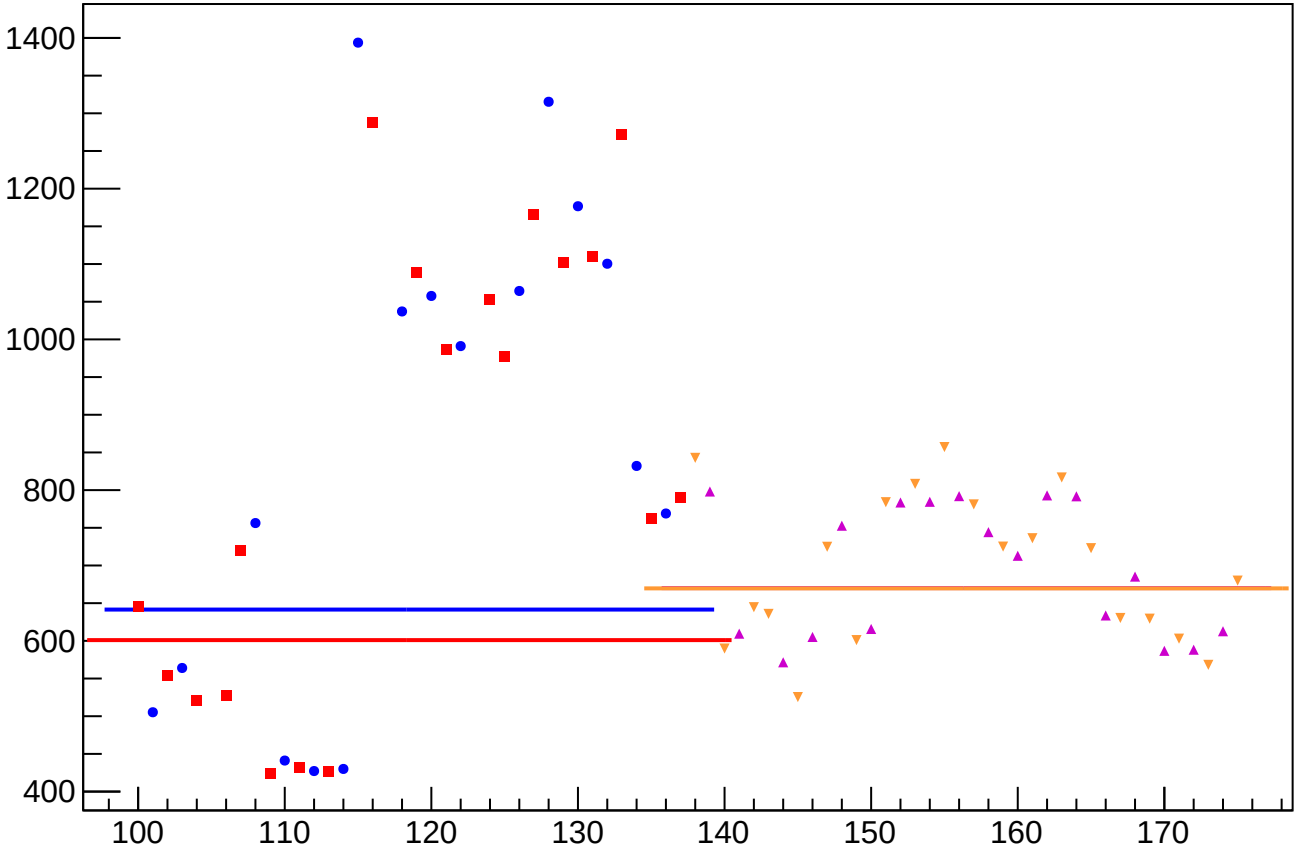
Left In: -117.351+/-175.565 χ^2/NDF:19.3/17

+ sign -620.534+/-141.993 χ^2/NDF: 71.6/35

All: -444.539+/-100.200 χ^2/NDF: 108.9/72

- sign -269.968+/-141.417 χ^2/NDF: 34.2/36

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 669.619+/-0.120 χ^2/NDF:617188.4/19

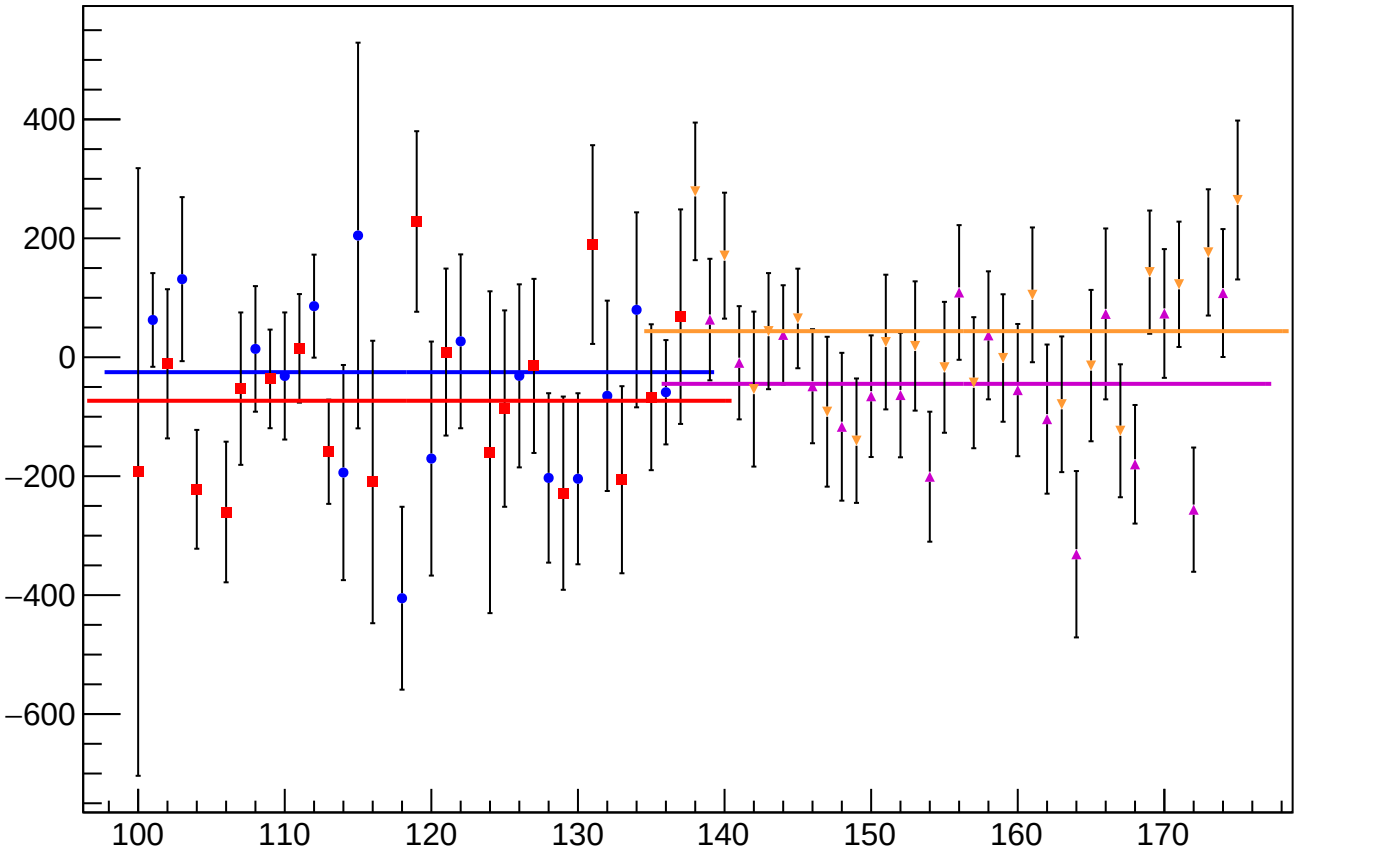
Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 670.007+/-0.124 χ^2/NDF:453725.2/17

+ sign 661.038+/-0.100 χ^2/NDF: 2508763.5/35

All: 653.370+/-0.071 χ^2/NDF: 5159921.9/72

- sign 645.765+/-0.100 χ^2/NDF: 2639541.8/36



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.870+/-24.517 χ^2/NDF:21.3/19

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

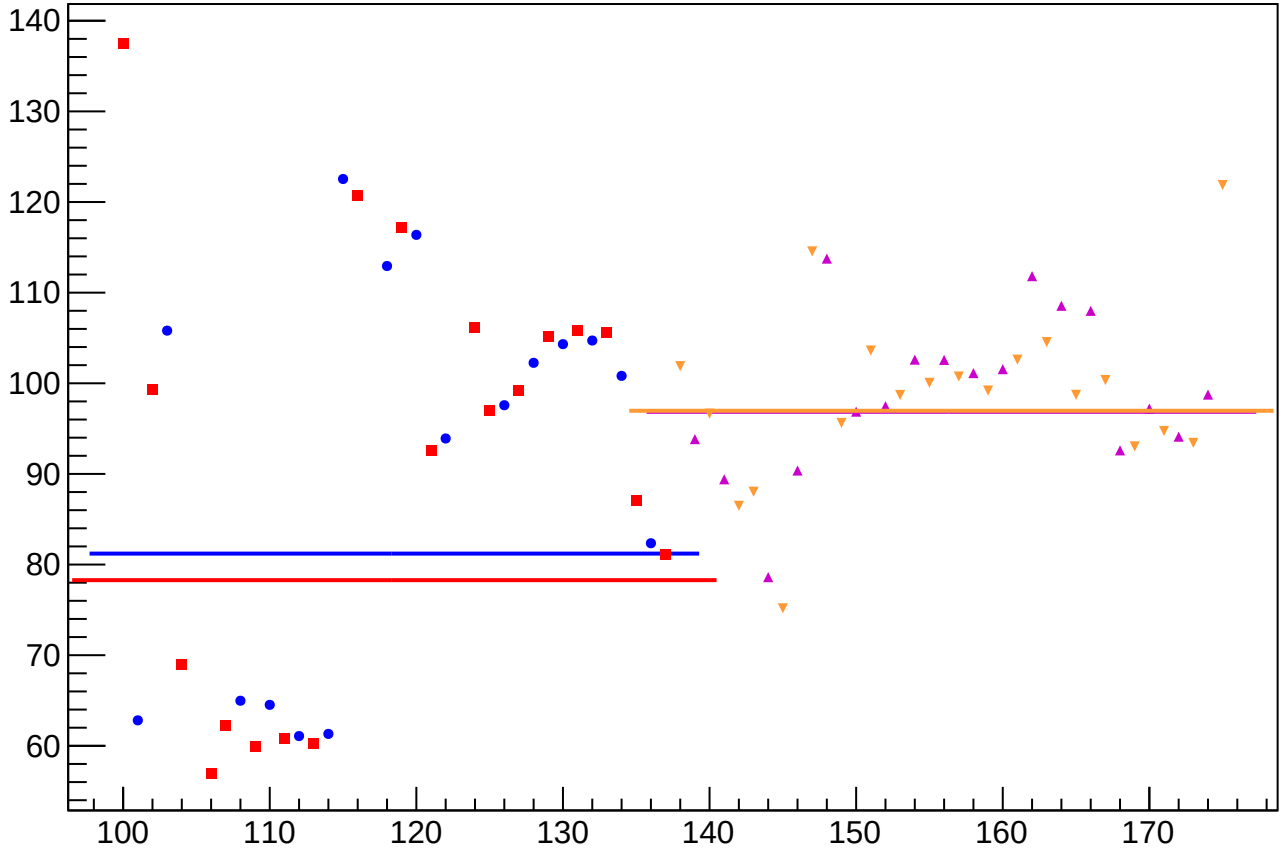
Left In: -44.724+/-25.270 χ^2/NDF:21.4/17

+ sign 17.581+/-19.284 χ^2/NDF: 40.5/35

All: -19.444+/-13.645 χ^2/NDF: 86.5/72

- sign -56.569+/-19.310 χ^2/NDF: 38.6/36

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.969+/-0.017 χ^2/NDF:311772.6/19

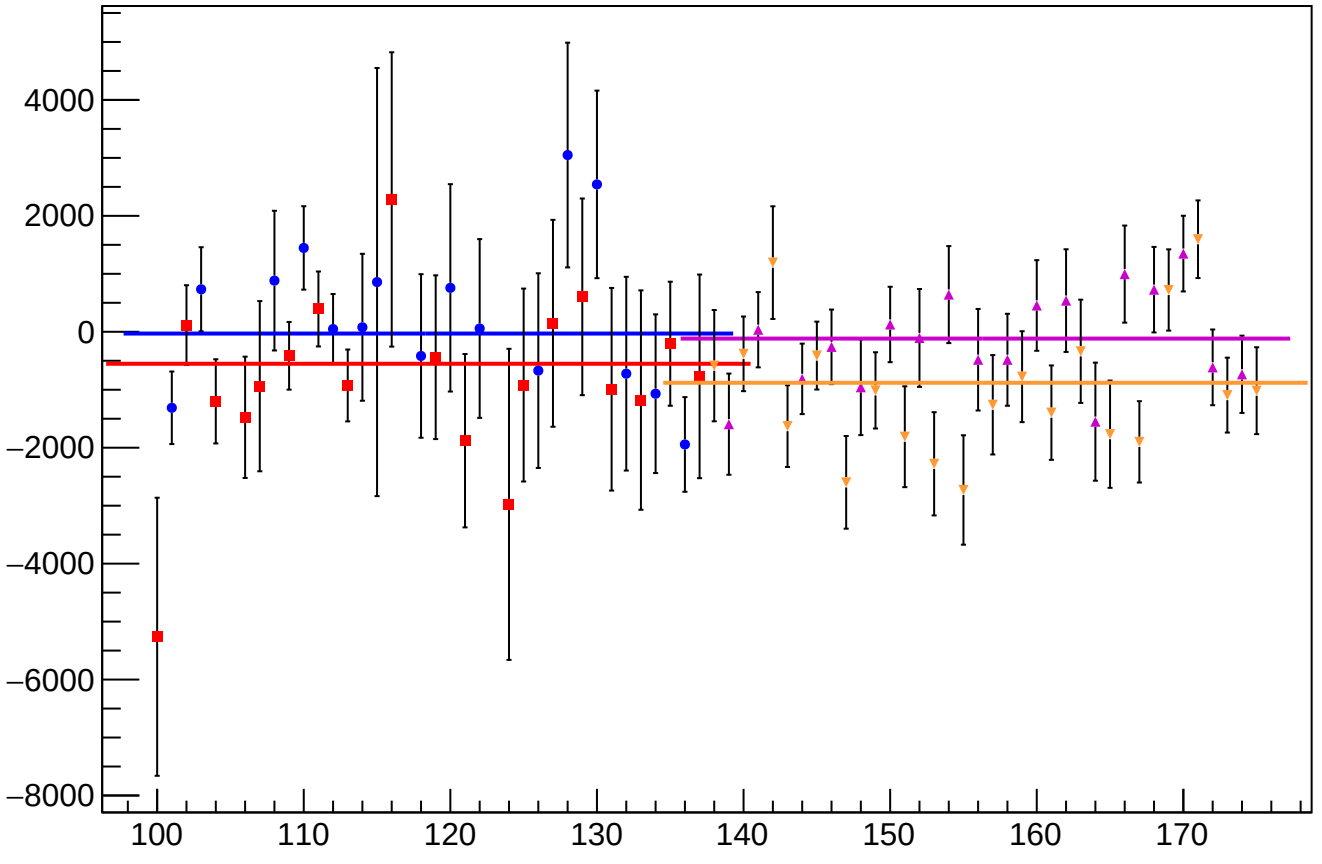
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.853+/-0.018 χ^2/NDF:233389.8/17

+ sign 90.960+/-0.014 χ^2/NDF: 1414562.6/35

All: 90.044+/-0.010 χ^2/NDF: 3043373.1/72

- sign 89.125+/-0.014 χ^2/NDF: 1619768.4/36



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -879.811+/-170.355 χ^2/NDF:42.2/19

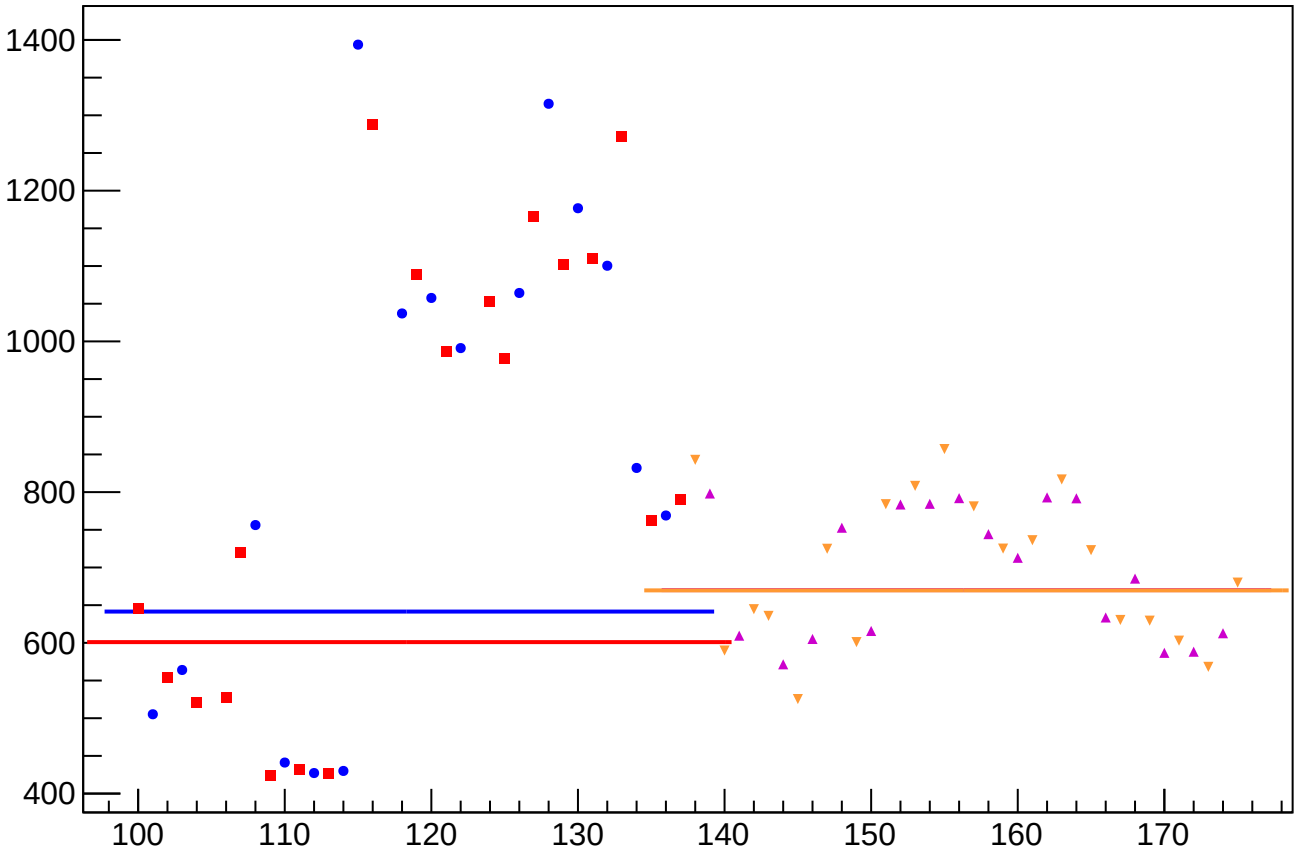
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -117.351+/-175.565 χ^2/NDF:19.3/17

+ sign -620.534+/-141.993 χ^2/NDF: 71.6/35

All: -444.539+/-100.200 χ^2/NDF: 108.9/72

- sign -269.968+/-141.417 χ^2/NDF: 34.2/36



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 669.619+/-0.120 χ^2/NDF:617188.4/19

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

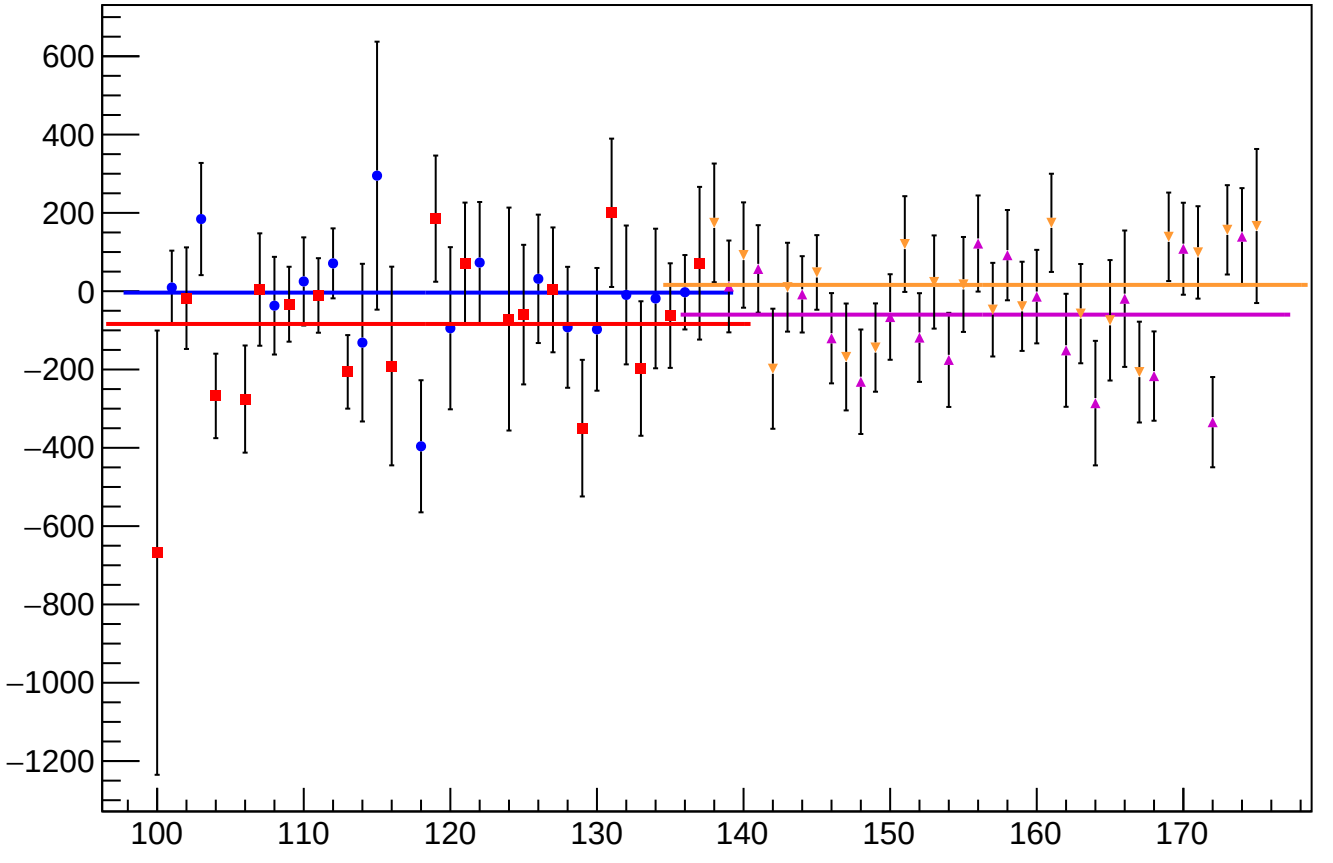
Left In: 670.007+/-0.124 χ^2/NDF:453725.2/17

+ sign 661.038+/-0.100 χ^2/NDF: 2508763.5/35

All: 653.370+/-0.071 χ^2/NDF: 5159921.9/72

- sign 645.765+/-0.100 χ^2/NDF: 2639541.8/36

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 16.102+/-27.787 χ^2/NDF:17.6/19

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

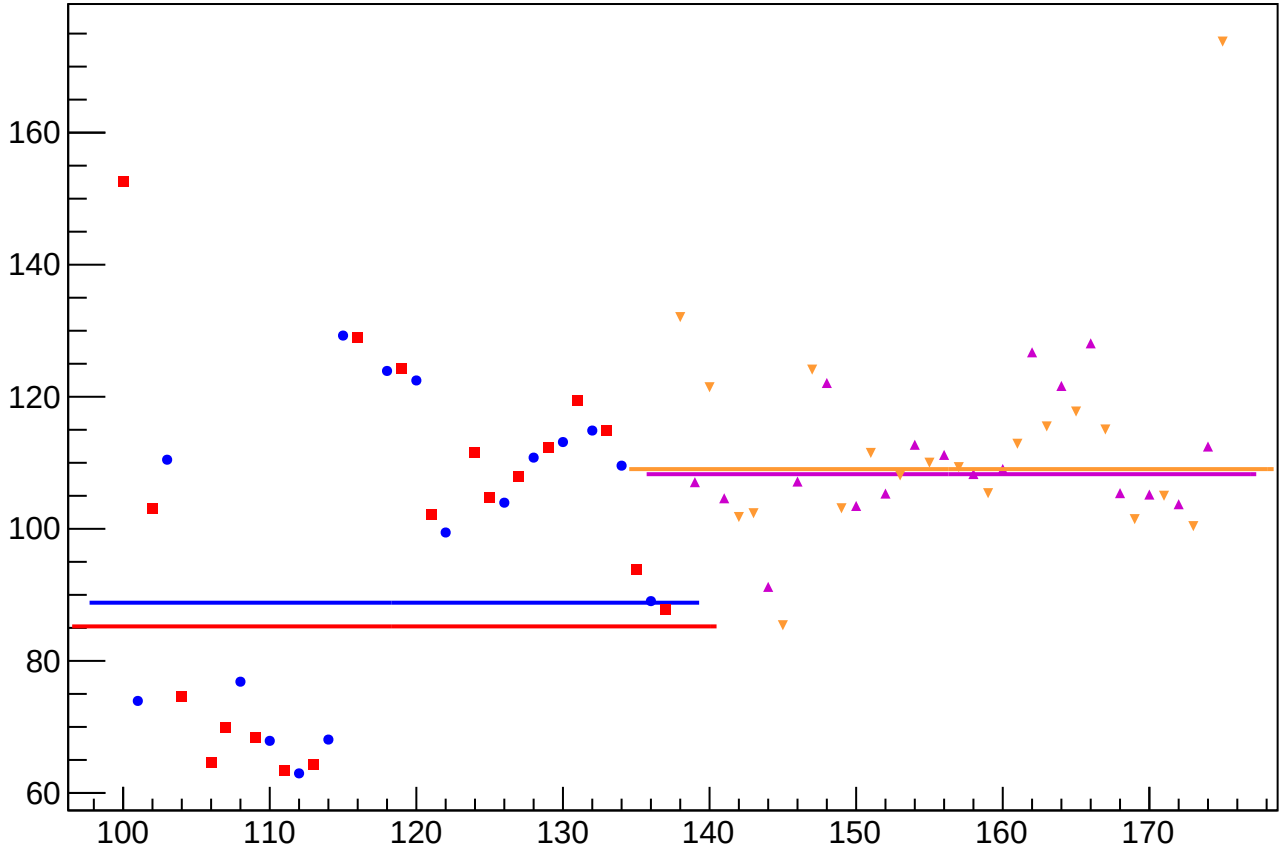
Left In: -59.877+/-28.369 χ^2/NDF:23.6/17

+ sign 8.241+/-21.554 χ^2/NDF: 28.1/35

All: -31.204+/-15.190 χ^2/NDF: 77.8/72

- sign -70.122+/-21.410 χ^2/NDF: 43.0/36

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 109.045+/-0.020 χ^2/NDF:488004.6/19

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

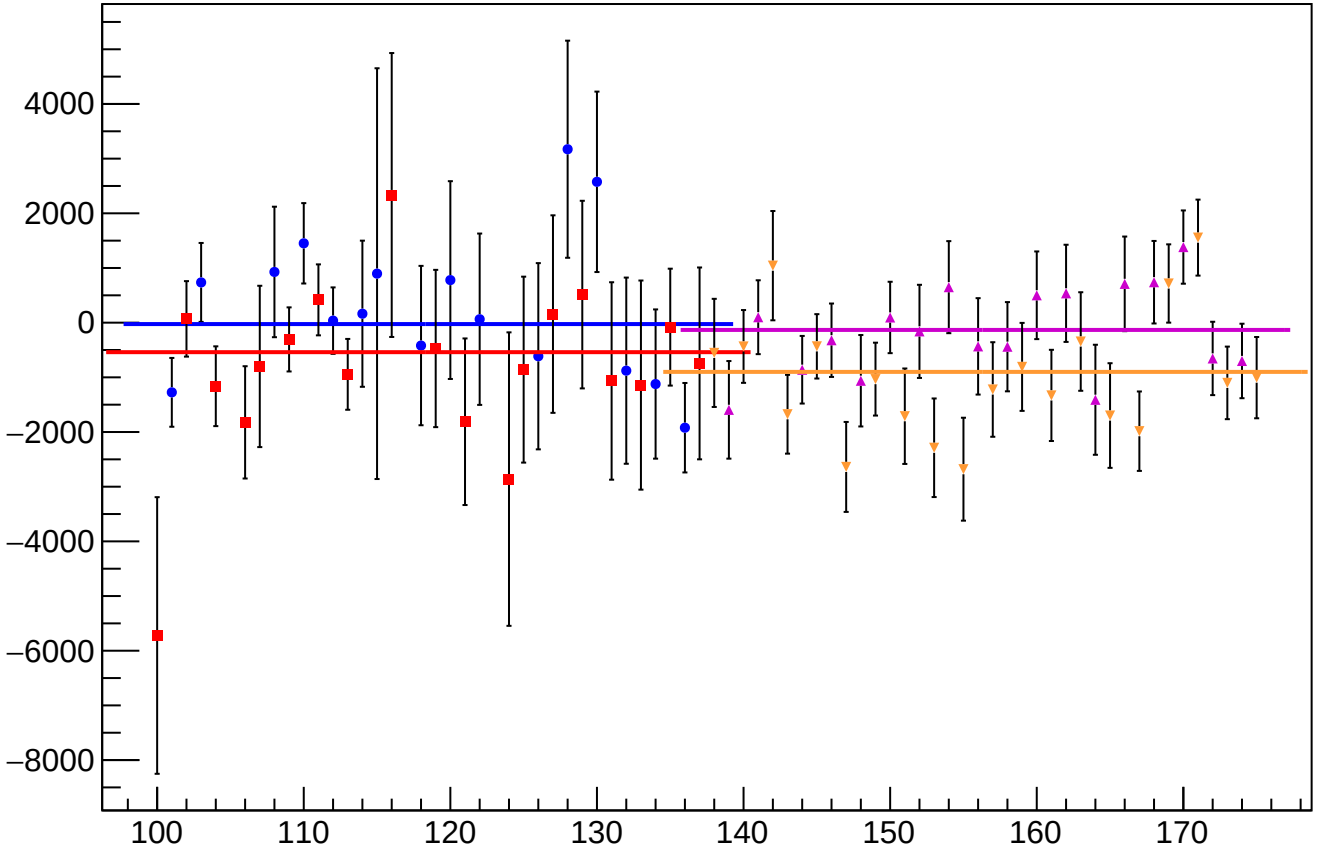
Left In: 108.276+/-0.020 χ^2/NDF:175235.1/17

+ sign 100.987+/-0.015 χ^2/NDF: 1634917.2/35

All: 99.661+/-0.011 χ^2/NDF: 3277626.6/72

- sign 98.353+/-0.015 χ^2/NDF: 1627684.5/36

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -900.243+/-173.737 χ^2/NDF:38.9/19

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

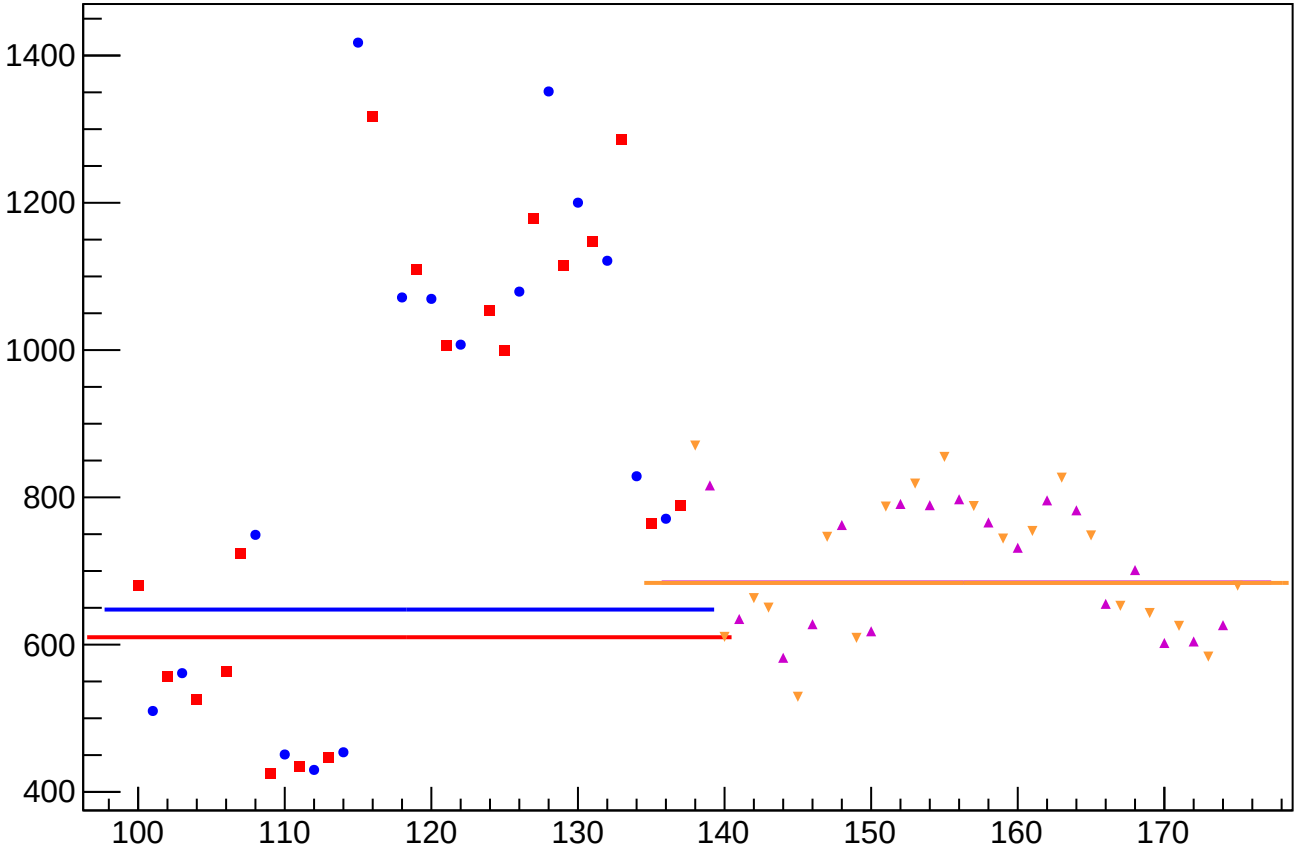
Left In: -132.853+/-179.198 χ^2/NDF:18.2/17

+ sign -629.447+/-144.351 χ^2/NDF: 68.3/35

All: -452.864+/-101.895 χ^2/NDF: 105.0/72

- sign -277.498+/-143.853 χ^2/NDF: 33.7/36

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 683.833+/-0.123 χ^2/NDF:598038.8/19

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

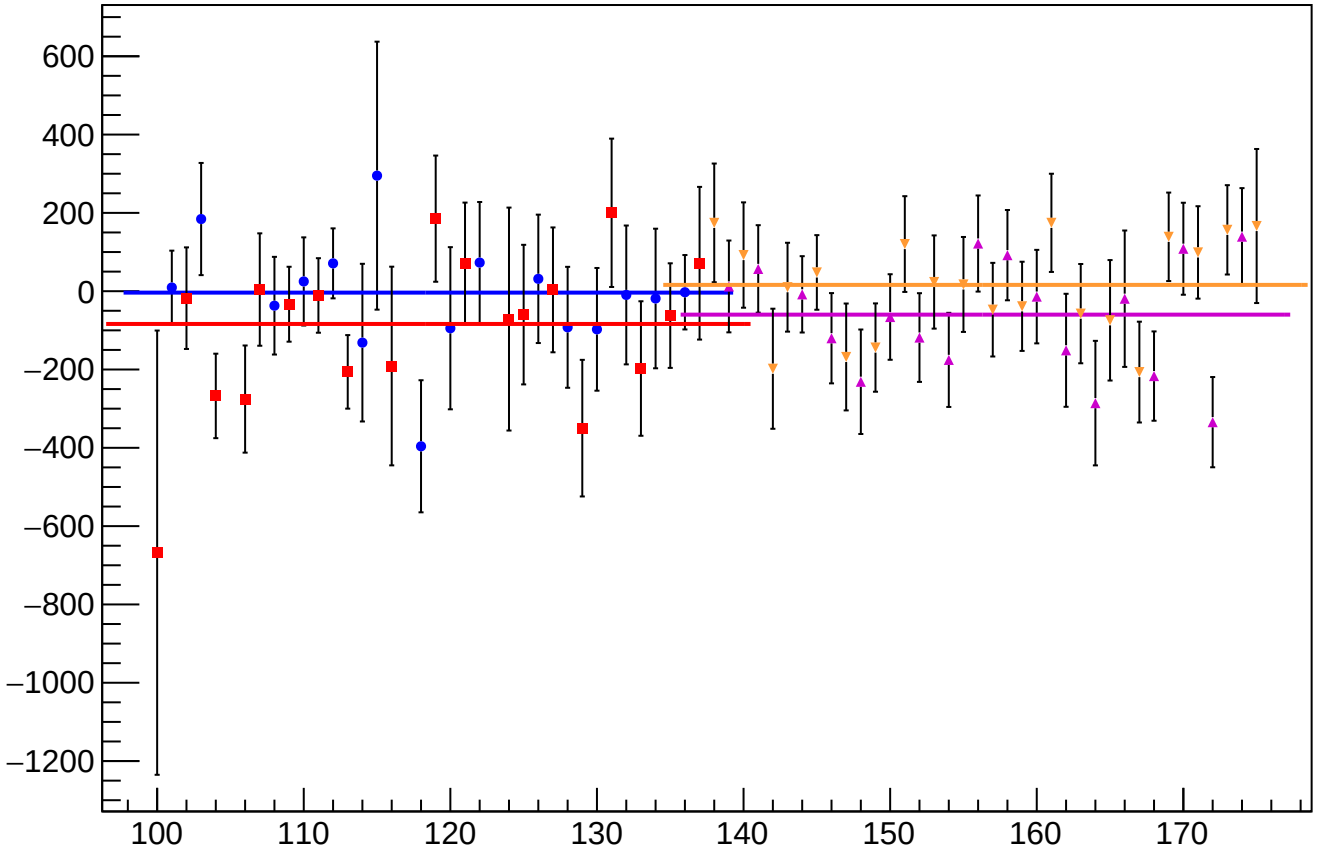
Left In: 684.400+/-0.127 χ^2/NDF:410270.2/17

+ sign 672.625+/-0.102 χ^2/NDF: 2512731.4/35

All: 665.270+/-0.072 χ^2/NDF: 5129988.1/72

- sign 657.966+/-0.102 χ^2/NDF: 2606908.5/36

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 16.104+/-27.787 χ^2/NDF:17.6/19

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

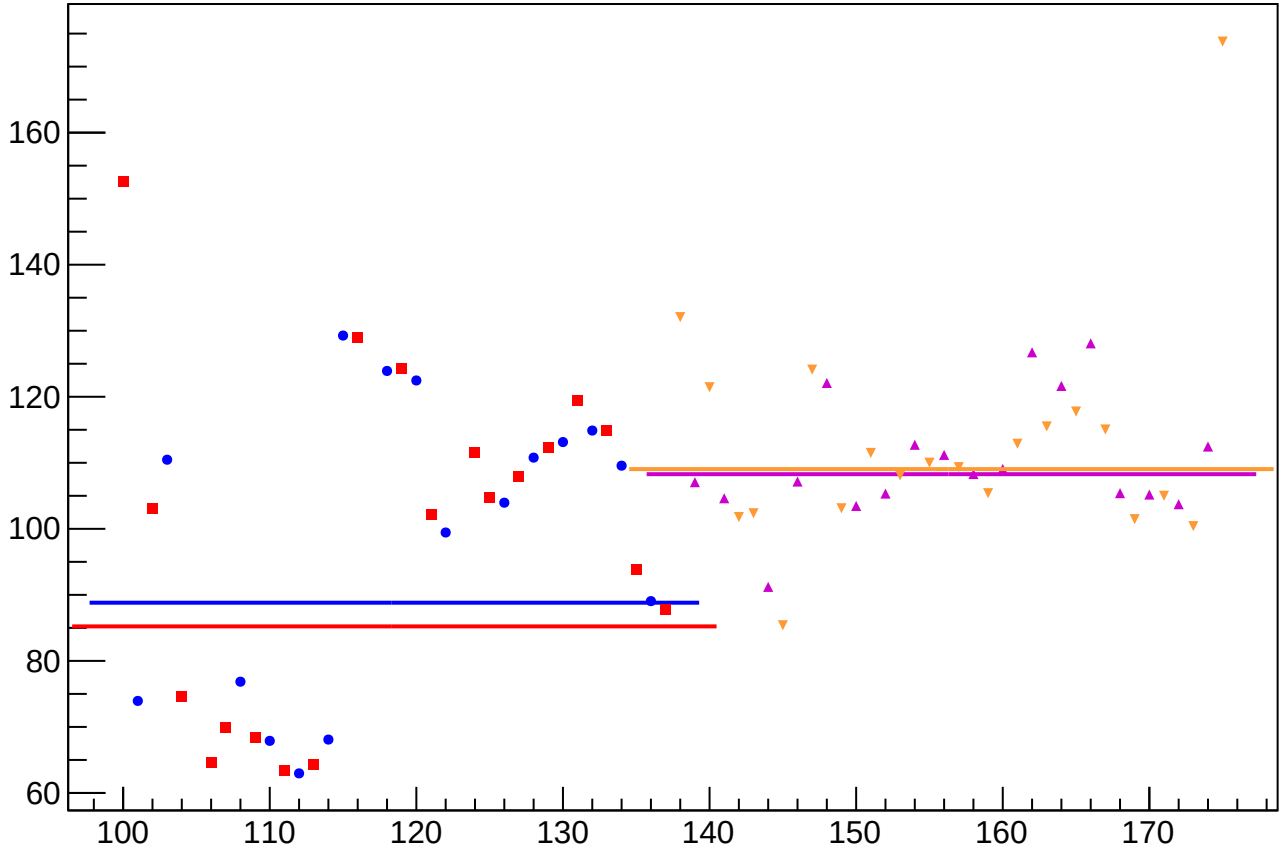
Left In: -59.877+/-28.369 χ^2/NDF:23.6/17

+ sign 8.242+/-21.554 χ^2/NDF: 28.1/35

All: -31.203+/-15.190 χ^2/NDF: 77.8/72

- sign -70.121+/-21.410 χ^2/NDF: 43.0/36

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 109.045+/-0.020 χ^2/NDF:488001.9/19

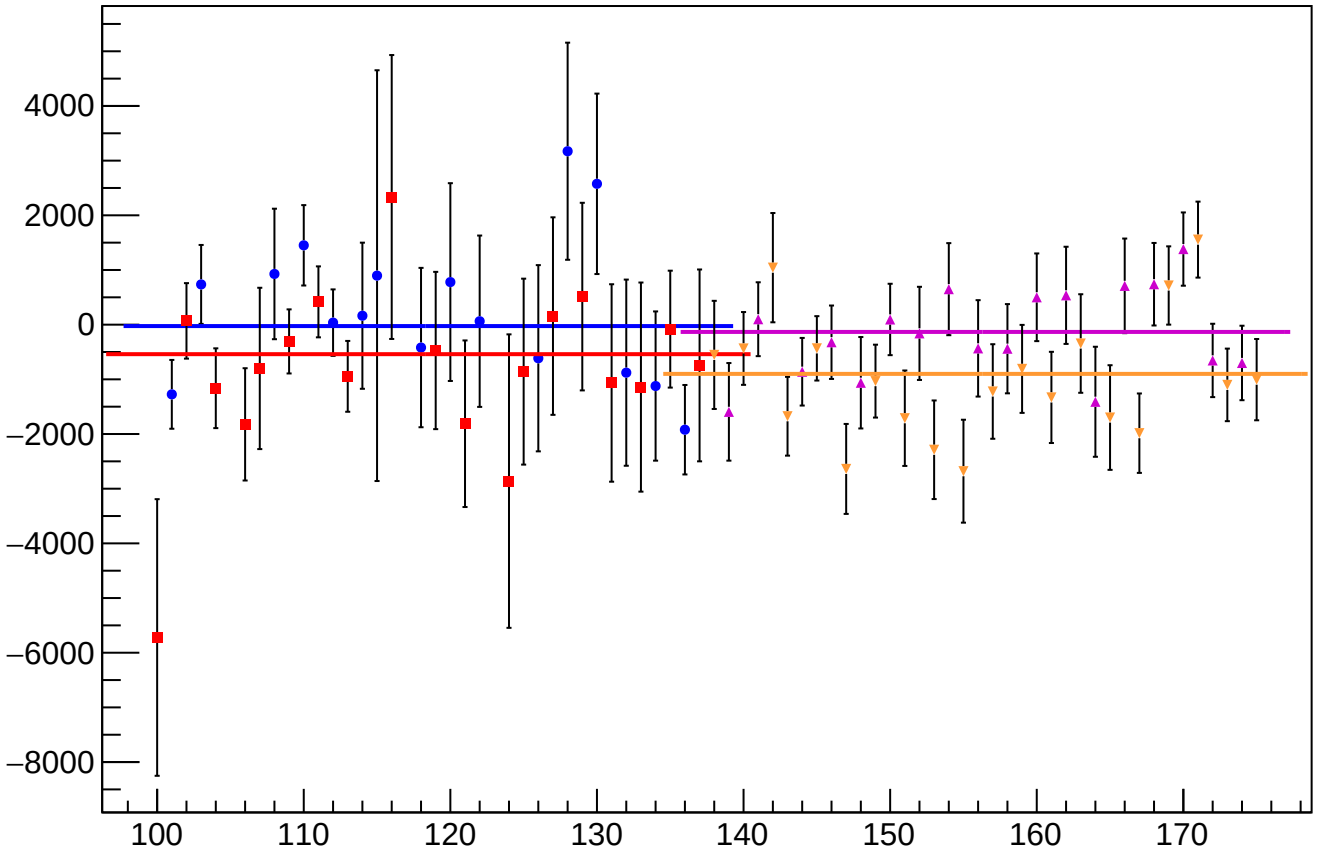
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 108.276+/-0.020 χ^2/NDF:175233.2/17

+ sign 100.987+/-0.015 χ^2/NDF: 1634921.8/35

All: 99.661+/-0.011 χ^2/NDF: 3277641.5/72

- sign 98.353+/-0.015 χ^2/NDF: 1627694.7/36



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -900.241+/-173.736 χ^2/NDF:38.9/19

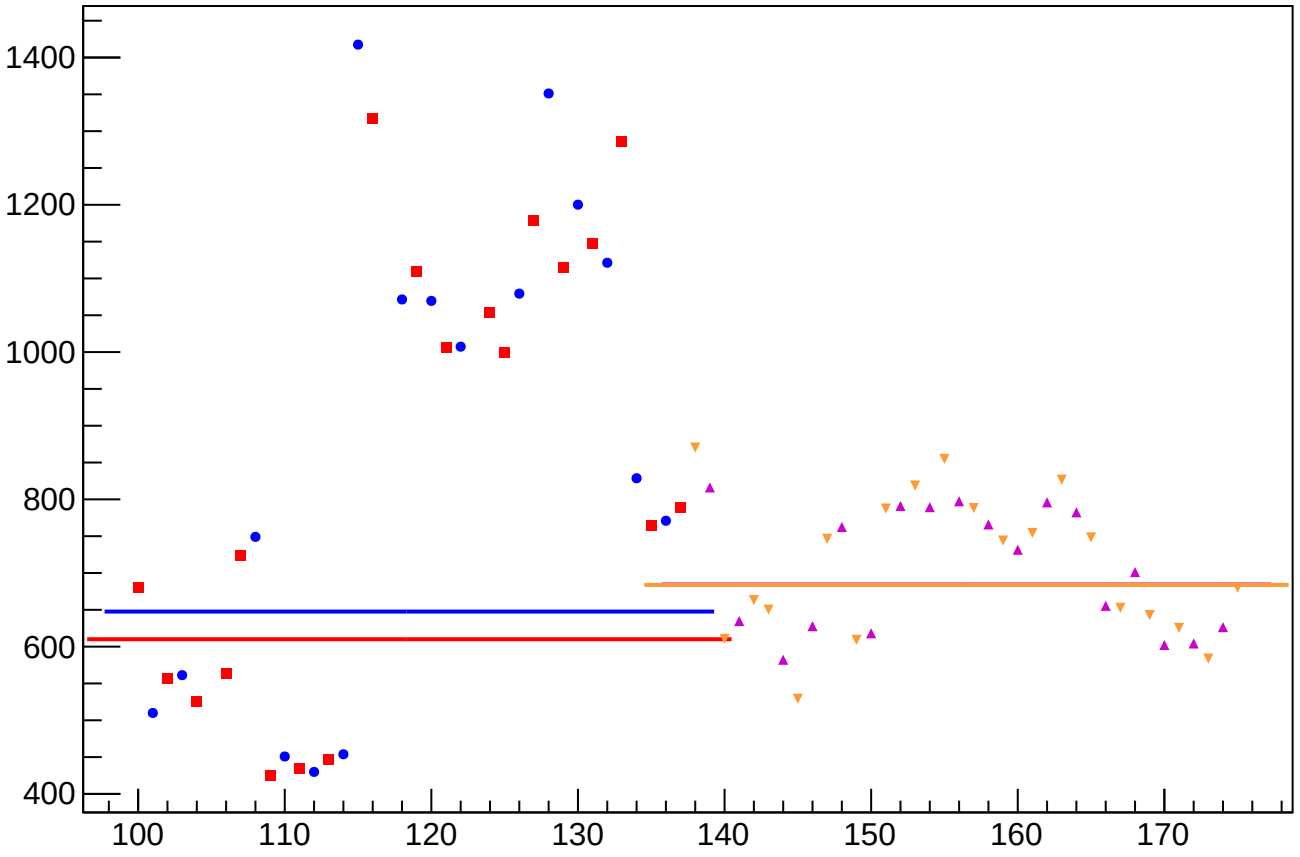
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -132.851+/-179.198 χ^2/NDF:18.2/17

+ sign -629.446+/-144.351 χ^2/NDF: 68.3/35

All: -452.863+/-101.895 χ^2/NDF: 105.0/72

- sign -277.497+/-143.852 χ^2/NDF: 33.7/36



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 683.832+/-0.123 χ^2/NDF:598039.6/19

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

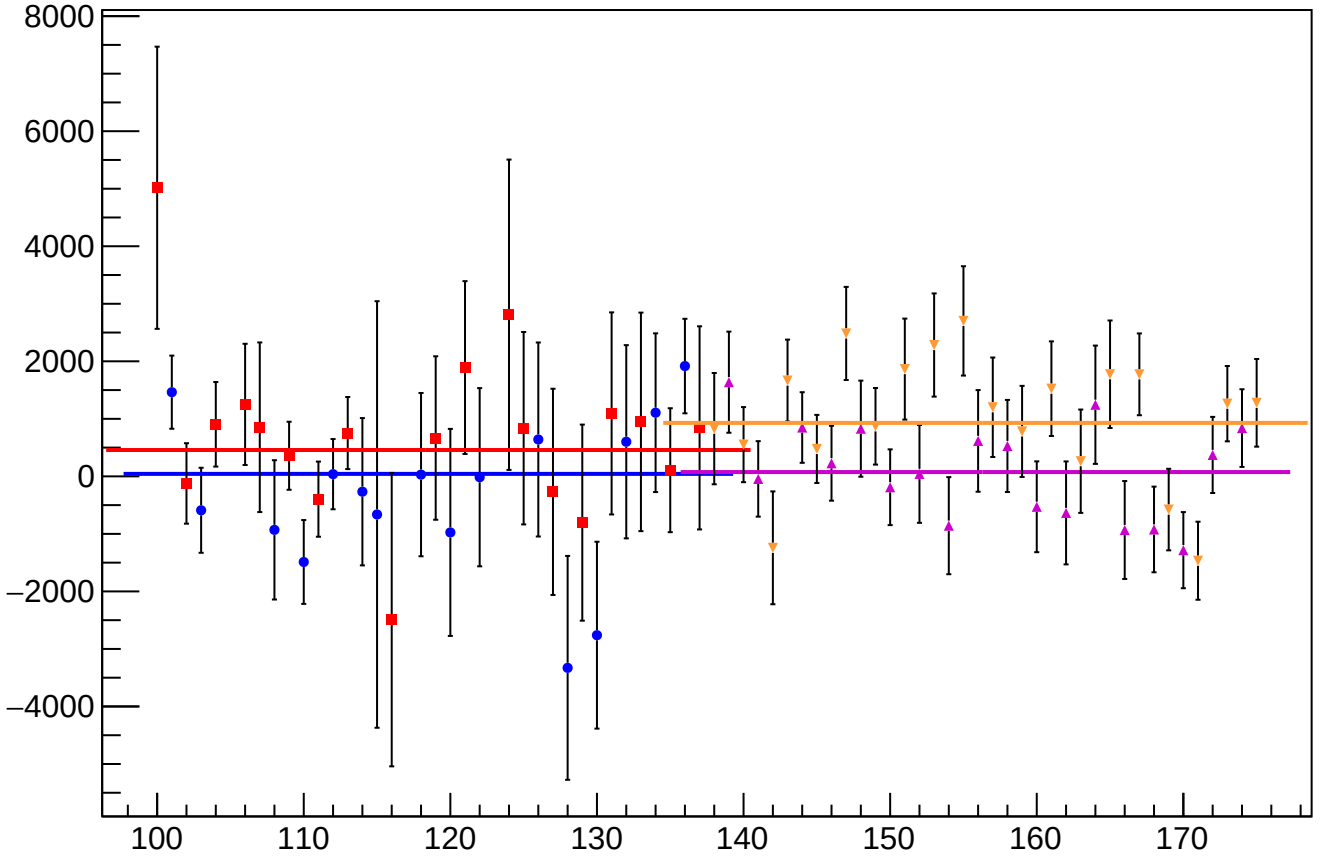
Left In: 684.400+/-0.127 χ^2/NDF:410267.8/17

+ sign 672.625+/-0.102 χ^2/NDF: 2512737.1/35

All: 665.270+/-0.072 χ^2/NDF: 5129995.2/72

- sign 657.966+/-0.102 χ^2/NDF: 2606910.0/36

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 929.343+/-172.242 χ^2/NDF:38.4/19

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

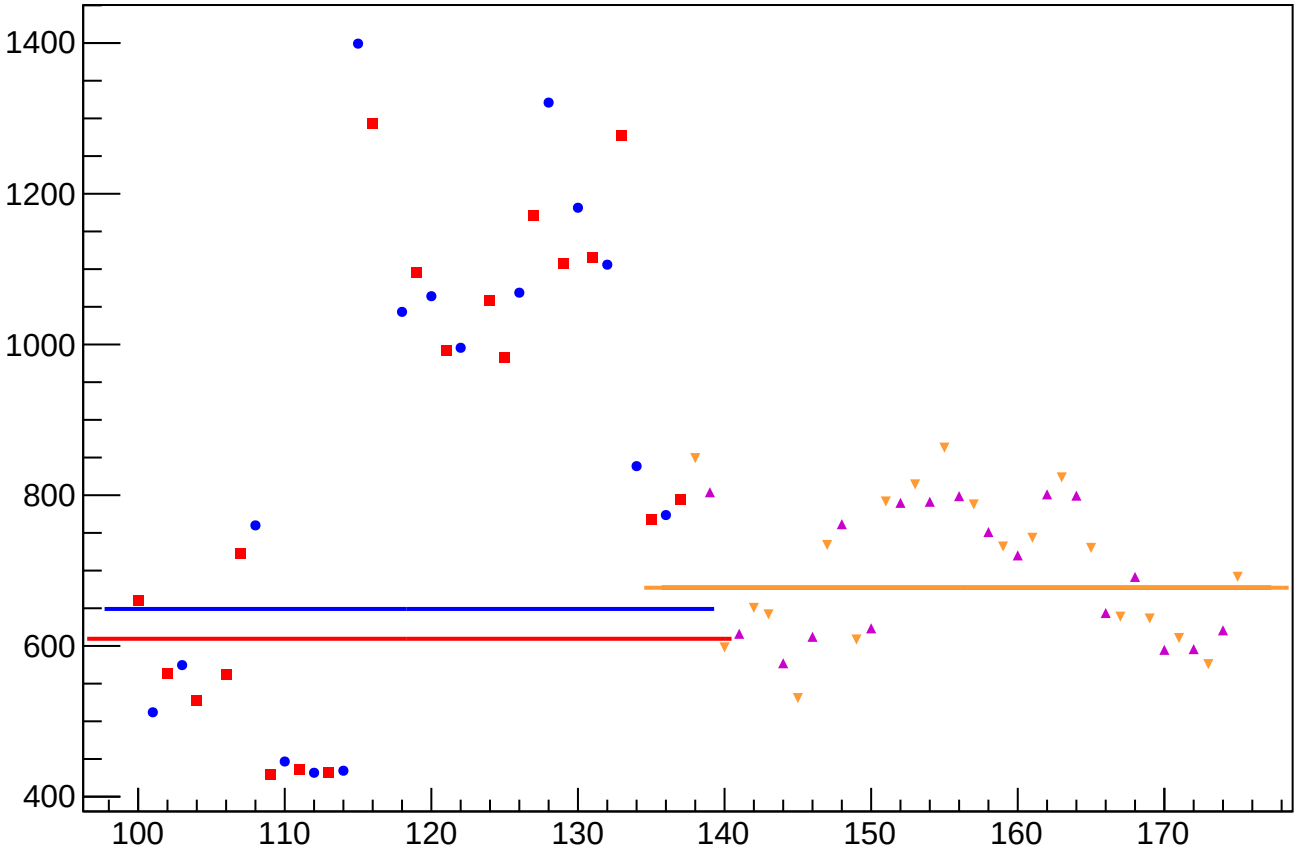
Left In: 74.871+/-177.479 χ^2/NDF:19.1/17

+ sign 658.753+/-143.557 χ^2/NDF: 69.7/35

All: 433.170+/-101.289 χ^2/NDF: 106.6/72

- sign 209.544+/-142.933 χ^2/NDF: 32.0/36

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 677.232+/-0.122 χ^2/NDF:605246.6/19

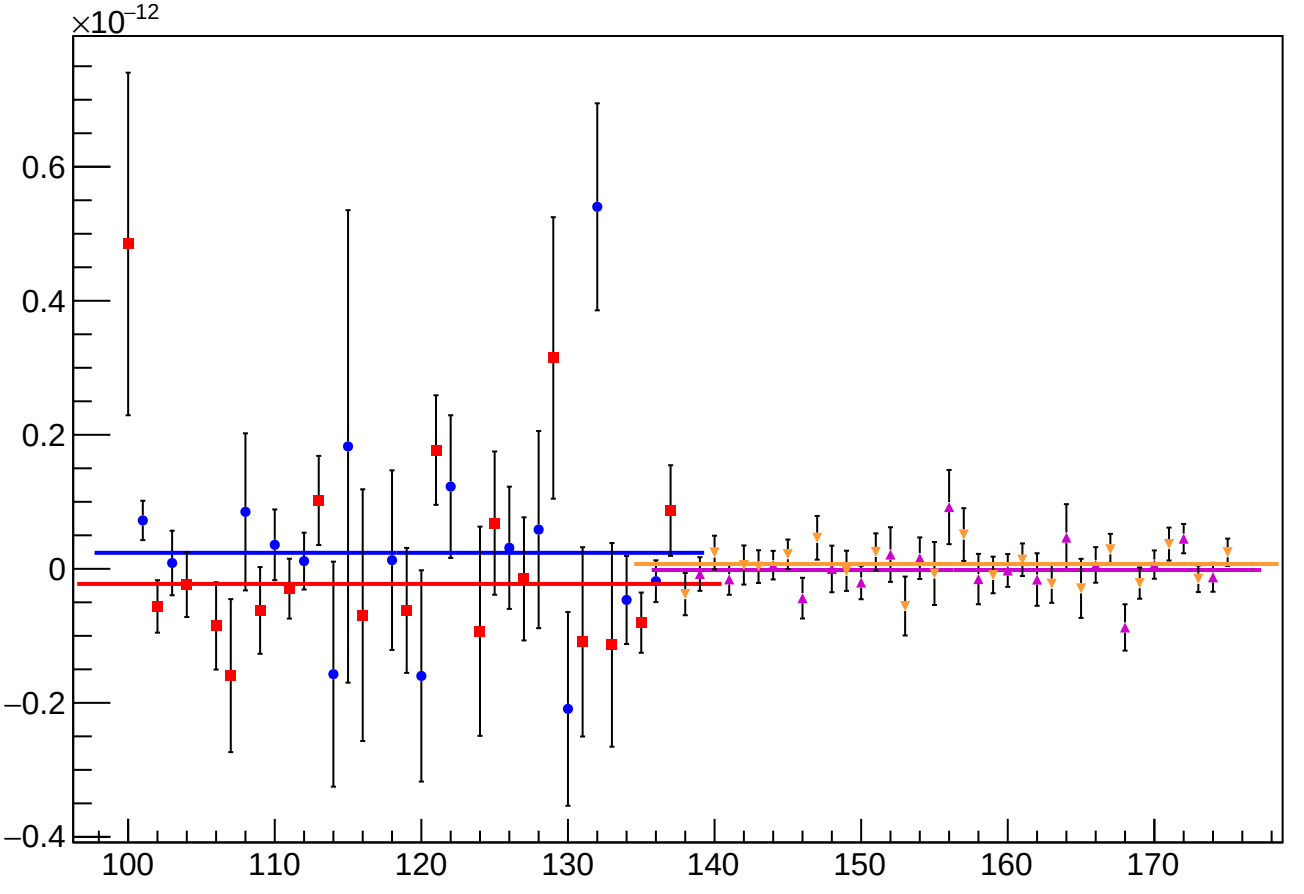
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 677.460+/-0.125 χ^2/NDF:444209.4/17

+ sign 668.639+/-0.102 χ^2/NDF: 2467363.9/35

All: 661.079+/-0.072 χ^2/NDF: 5069211.2/72

- sign 653.584+/-0.101 χ^2/NDF: 2590800.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.3/19

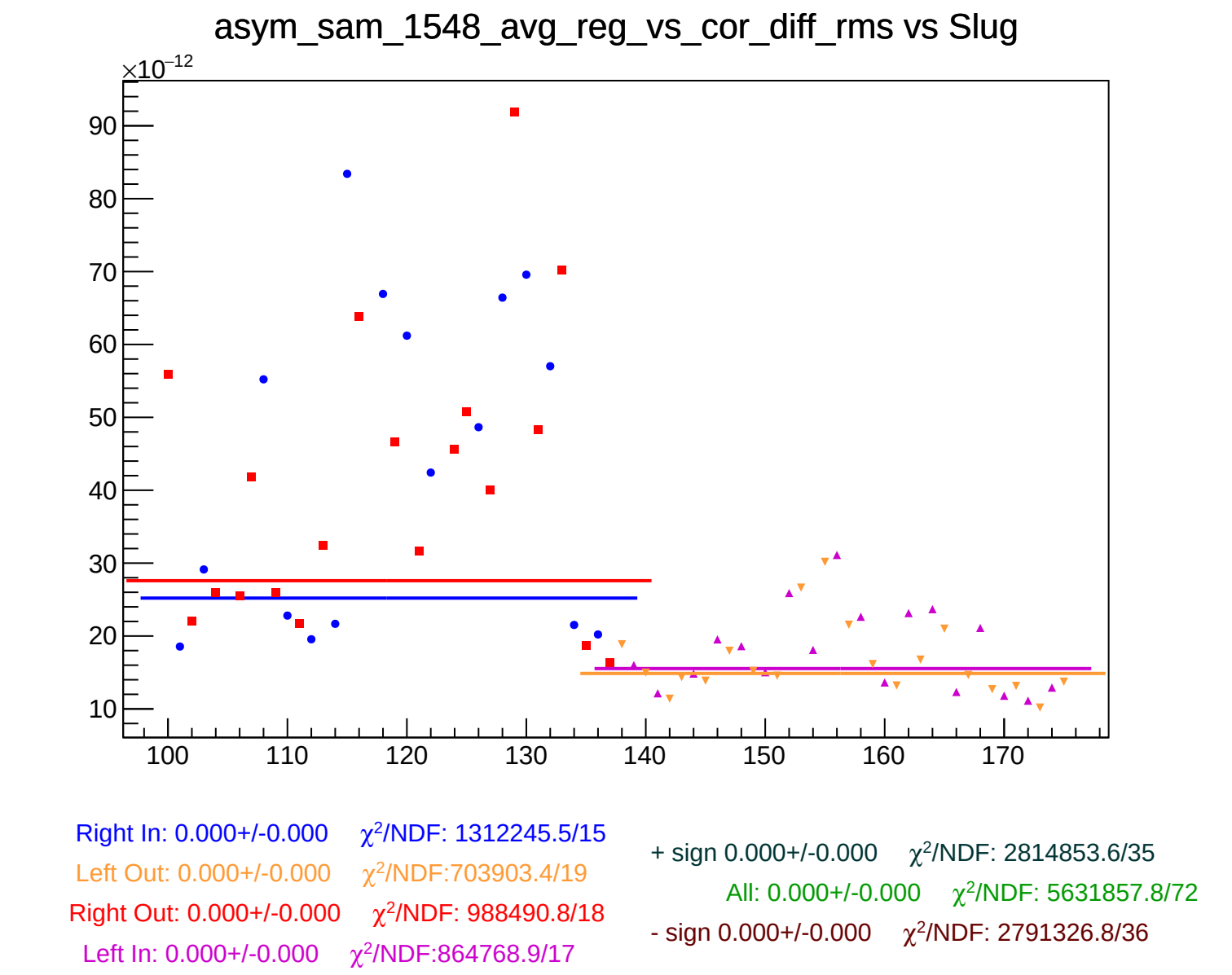
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:18.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 41.0/35

All: 0.000+/-0.000 χ^2/NDF: 90.0/72

- sign -0.000+/-0.000 χ^2/NDF: 46.0/36


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
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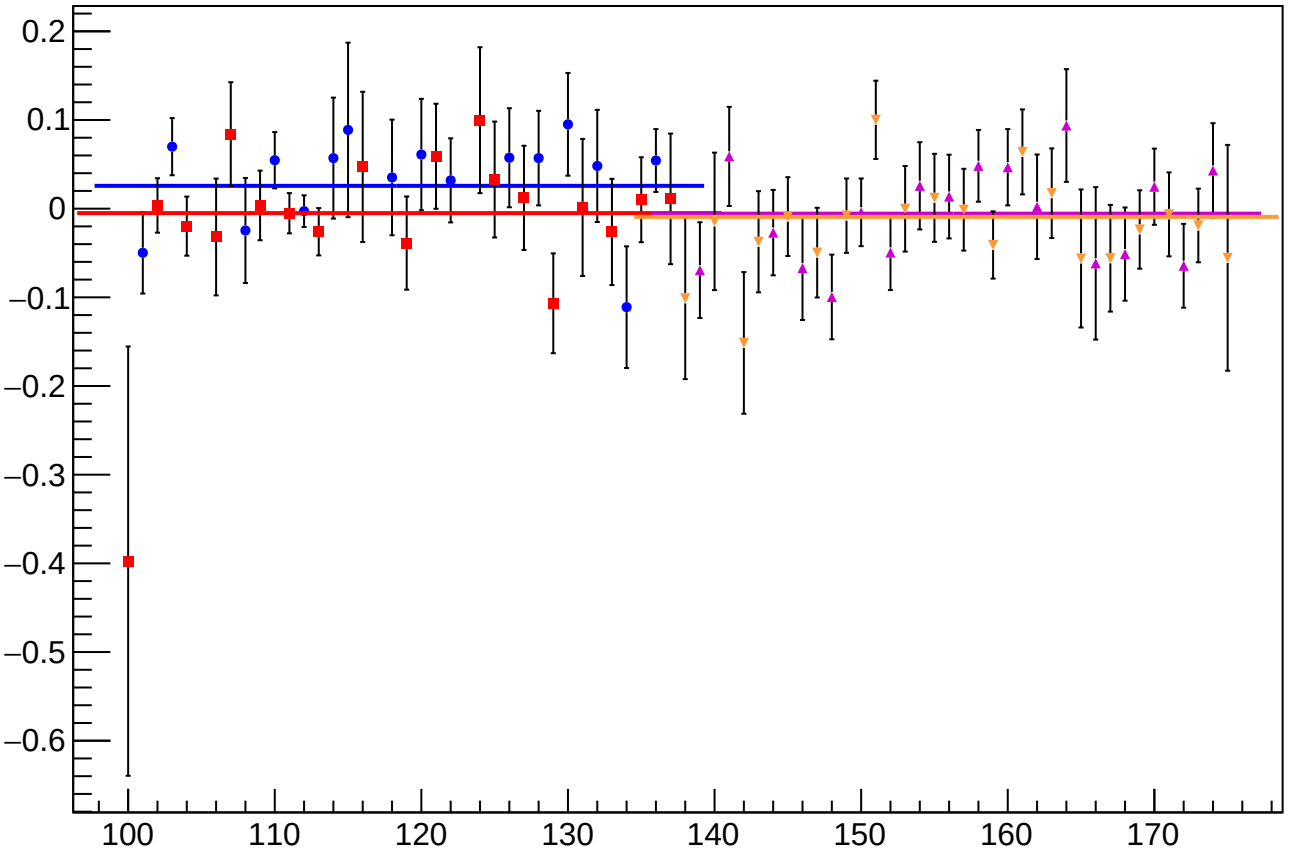
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:703903.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:864768.9/17
+ sign 0.000+/-0.000 χ²/NDF: 2814853.6/35
All: 0.000+/-0.000 χ²/NDF: 5631857.8/72
- sign 0.000+/-0.000 χ²/NDF: 2791326.8/36



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.011 χ^2/NDF:16.0/19

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

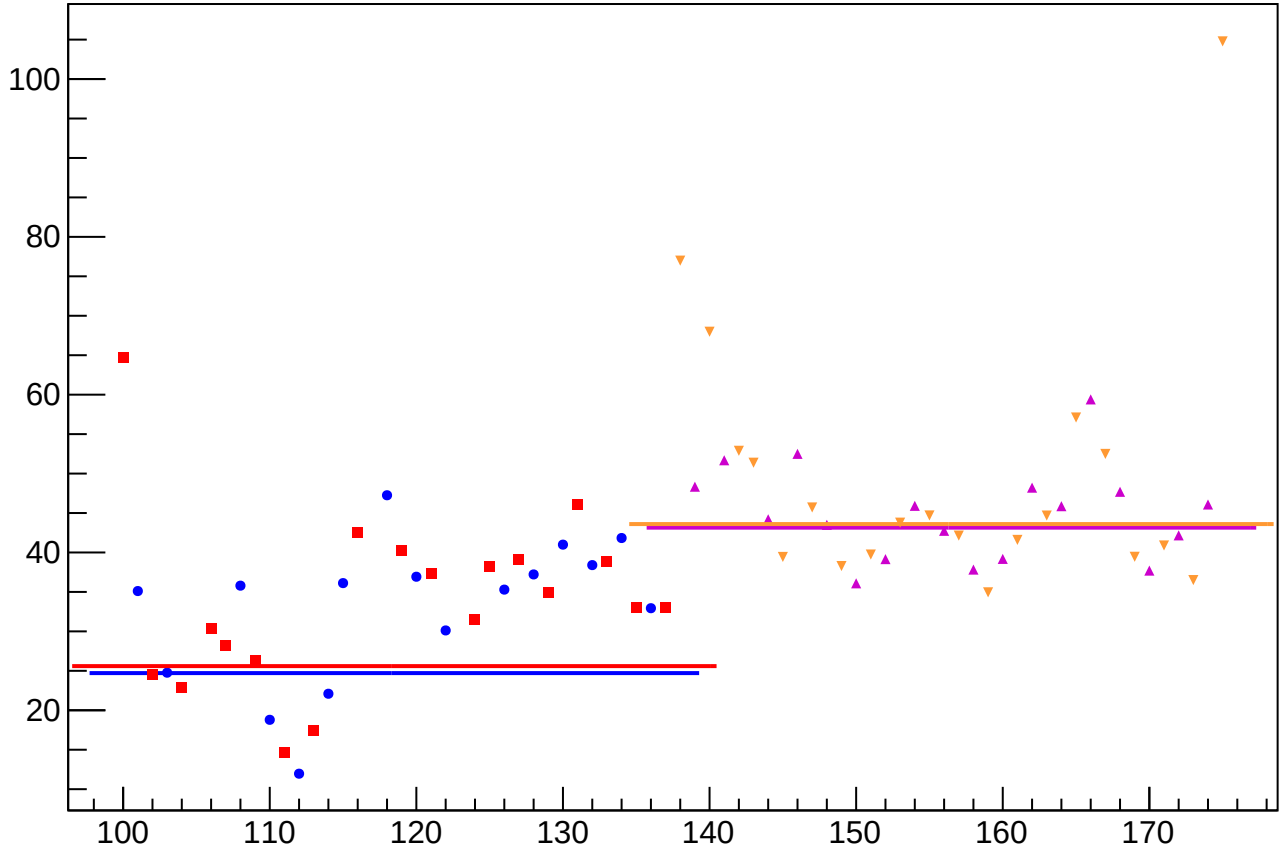
Left In: -0.006+/-0.012 χ^2/NDF:19.3/17

+ sign 0.010+/-0.008 χ^2/NDF: 37.7/35

All: 0.002+/-0.005 χ^2/NDF: 72.6/72

- sign -0.005+/-0.008 χ^2/NDF: 32.9/36

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.600+/-0.008 χ^2/NDF:1358682.7/19

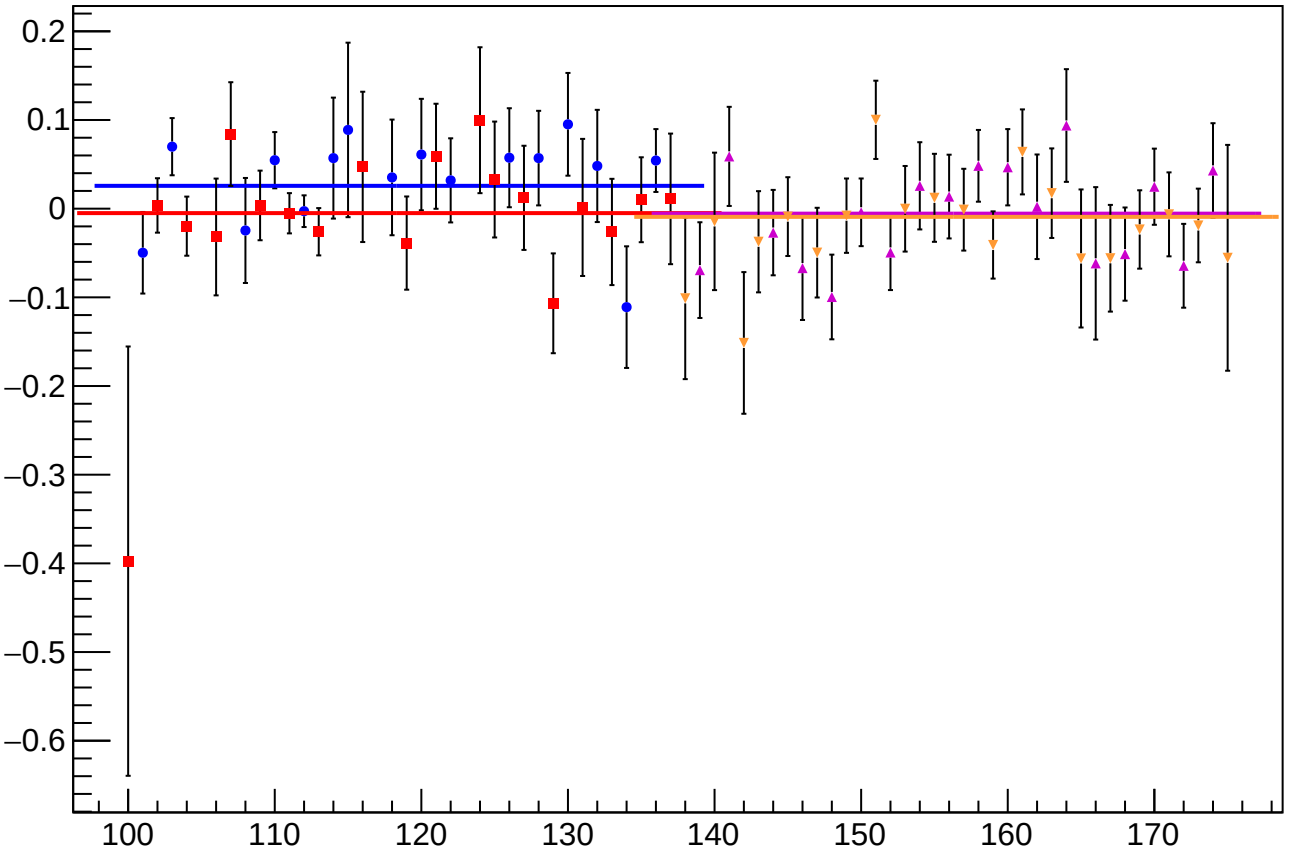
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.146+/-0.008 χ^2/NDF:405403.8/17

+ sign 33.194+/-0.005 χ^2/NDF: 6641035.7/35

All: 33.291+/-0.004 χ^2/NDF: 11206142.0/72

- sign 33.389+/-0.005 χ^2/NDF: 4564469.2/36



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.011 χ^2/NDF:16.0/19

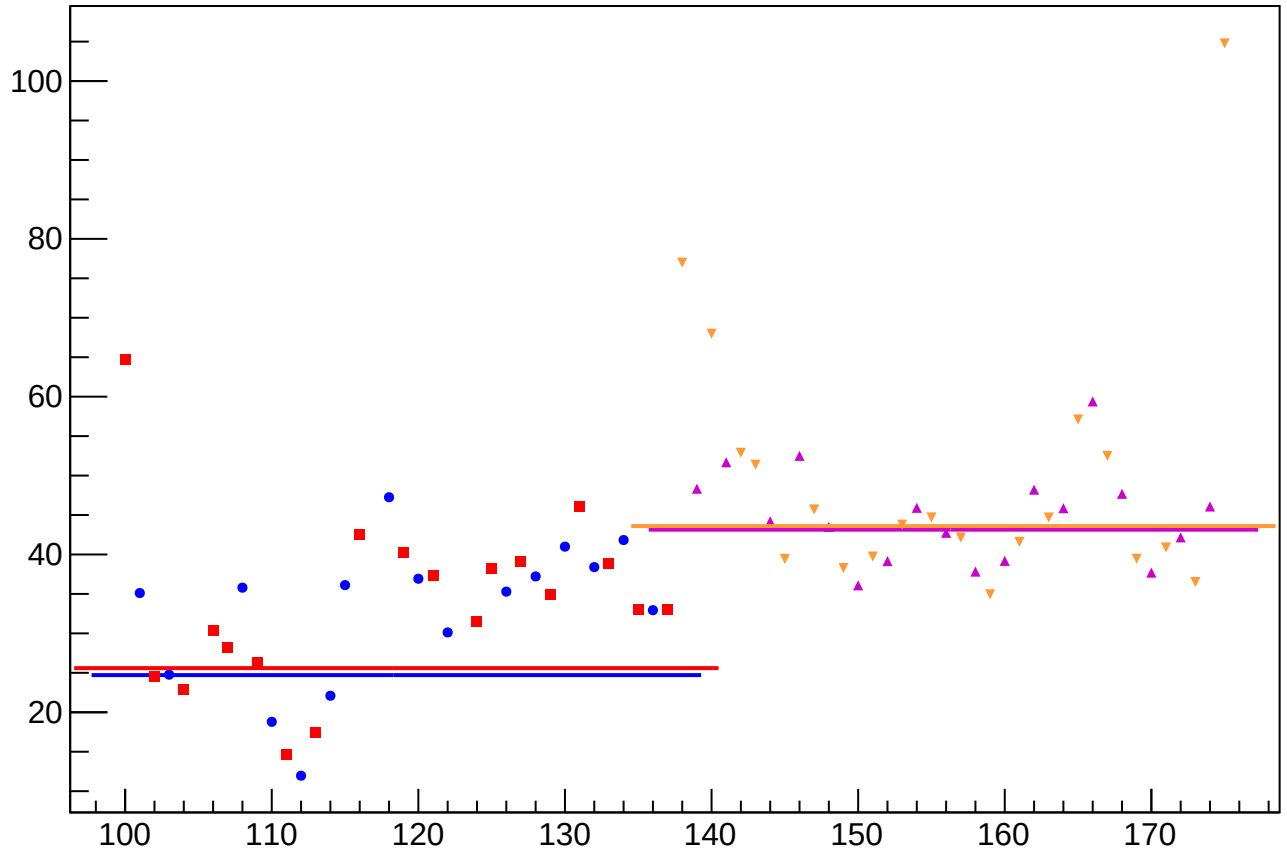
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.012 χ^2/NDF:19.3/17

+ sign 0.010+/-0.008 χ^2/NDF: 37.7/35

All: 0.002+/-0.005 χ^2/NDF: 72.6/72

- sign -0.005+/-0.008 χ^2/NDF: 32.9/36



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.600+/-0.008 χ^2/NDF:1358682.7/19

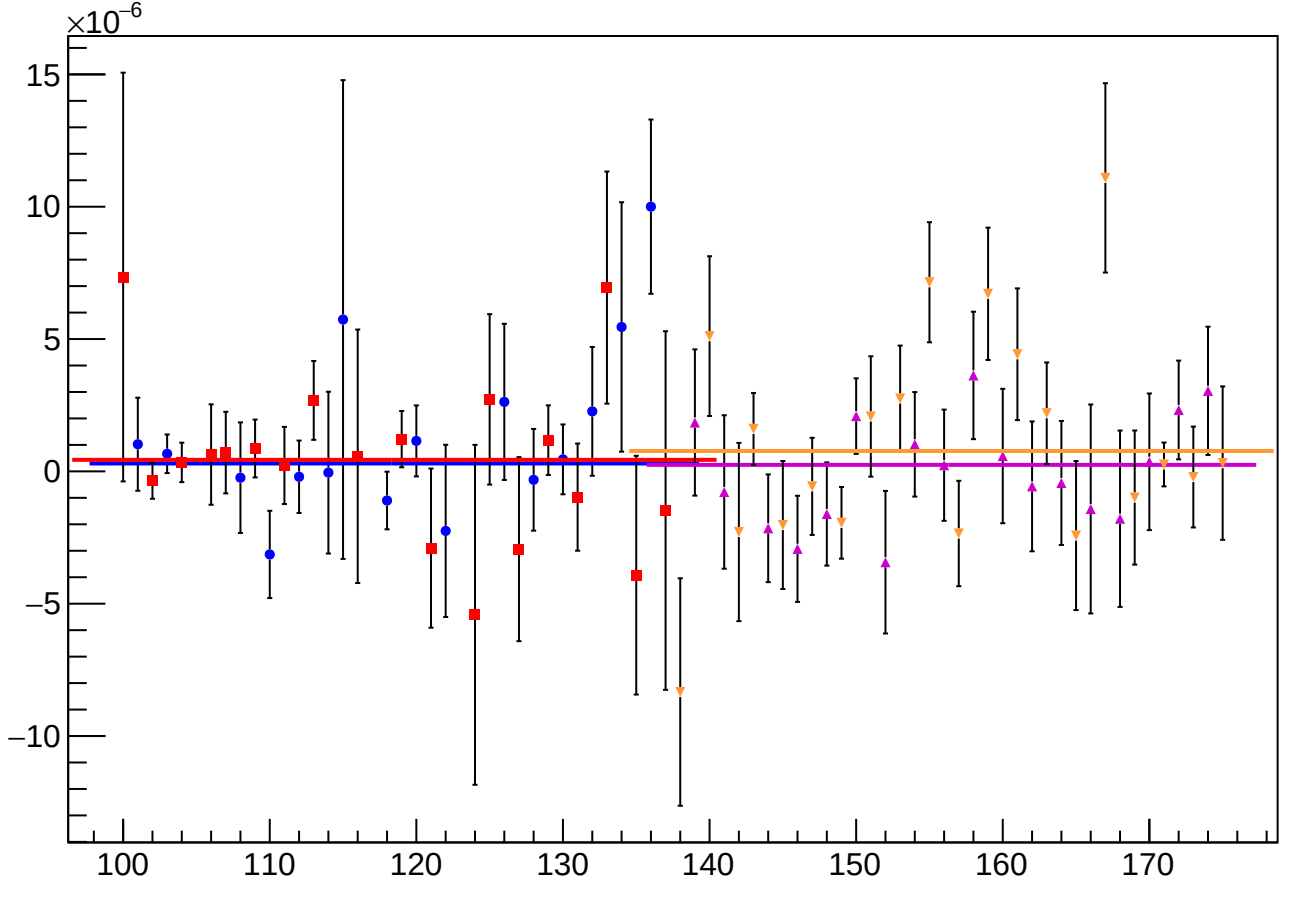
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.146+/-0.008 χ^2/NDF:405403.8/17

+ sign 33.194+/-0.005 χ^2/NDF: 6641035.7/35

All: 33.291+/-0.004 χ^2/NDF: 11206142.0/72

- sign 33.389+/-0.005 χ^2/NDF: 4564469.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.4/19

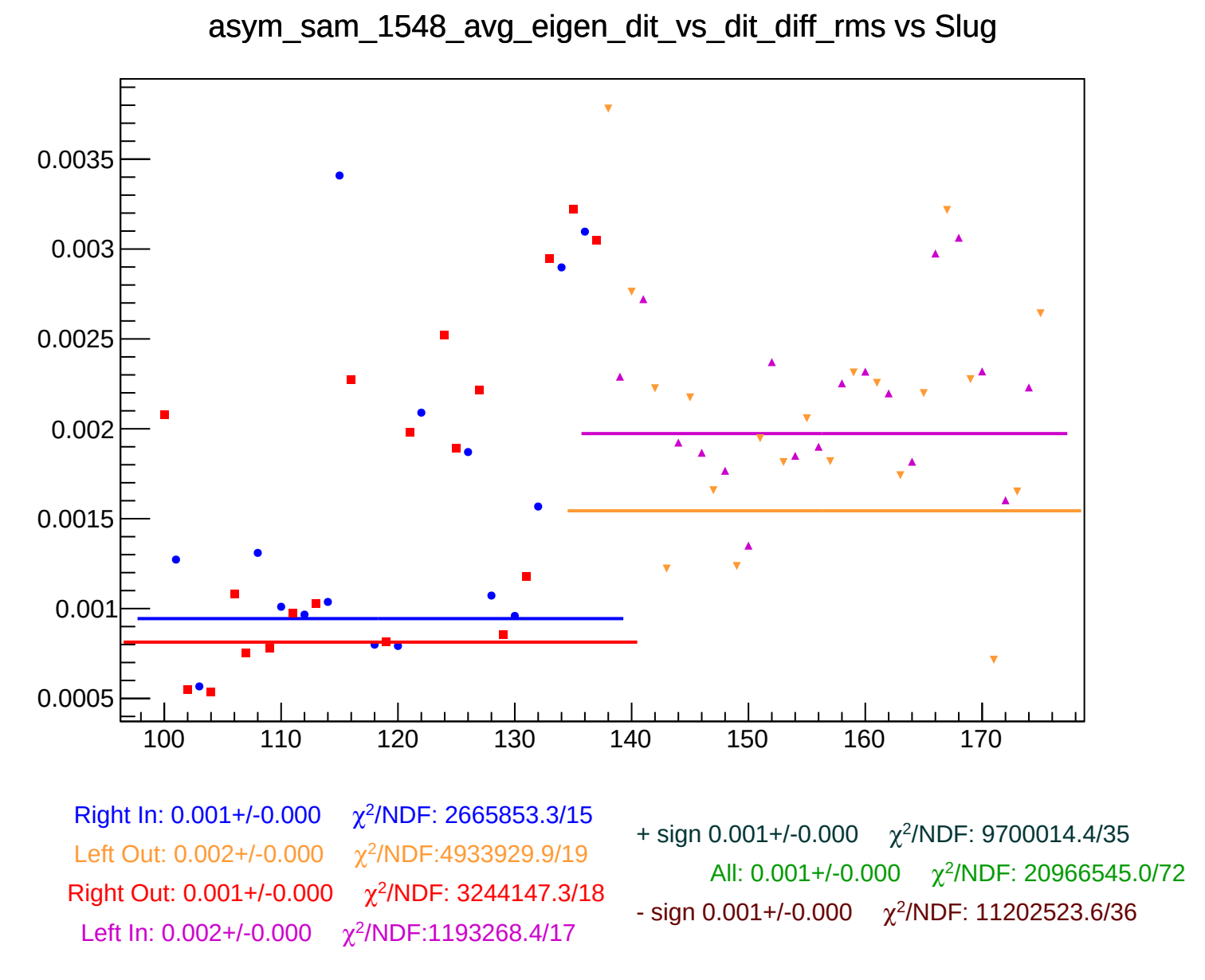
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:14.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 64.4/35

All: 0.000+/-0.000 χ^2/NDF: 91.5/72

- sign 0.000+/-0.000 χ^2/NDF: 27.0/36


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
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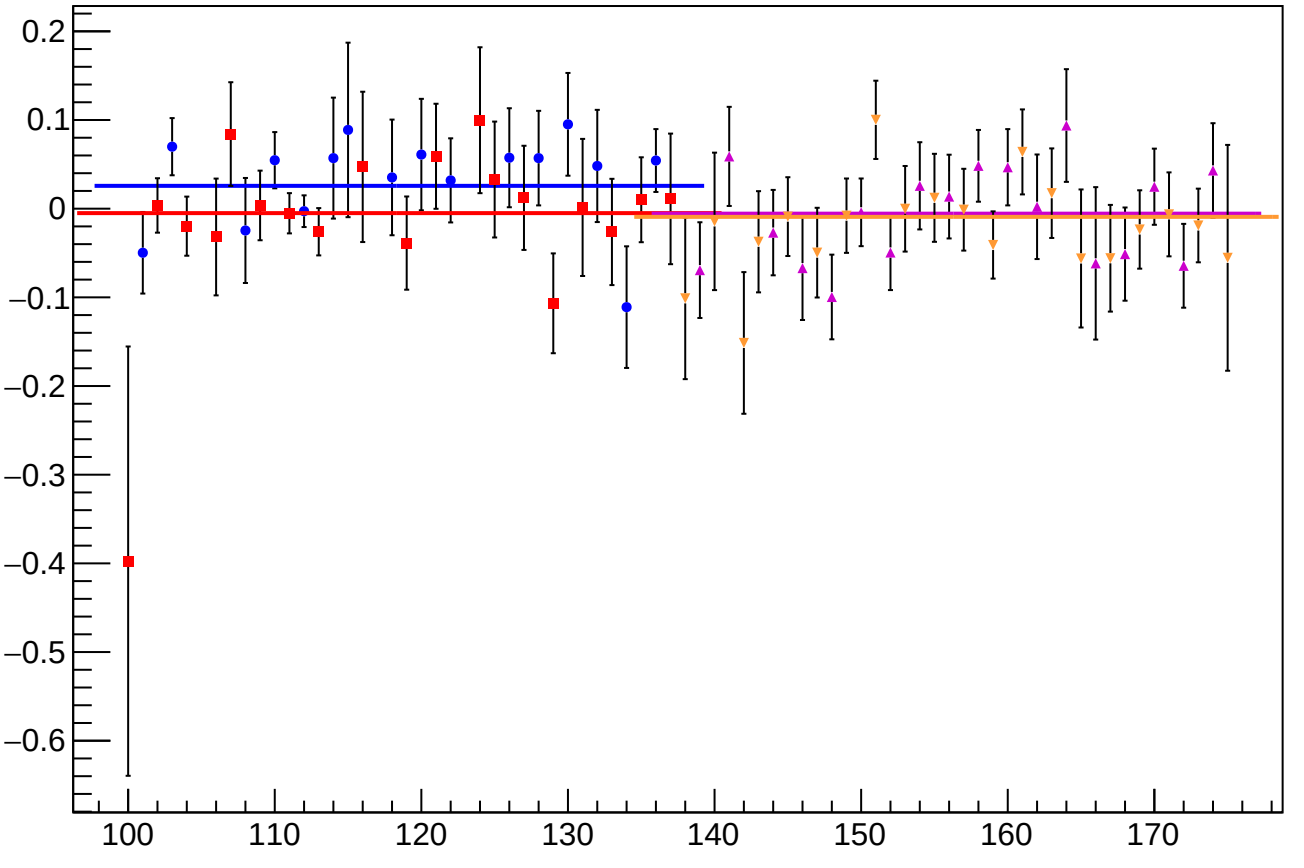
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:4933929.9/19
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:1193268.4/17
+ sign 0.001+/-0.000 χ²/NDF: 9700014.4/35
All: 0.001+/-0.000 χ²/NDF: 20966545.0/72
- sign 0.001+/-0.000 χ²/NDF: 11202523.6/36



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.011 χ^2/NDF:16.0/19

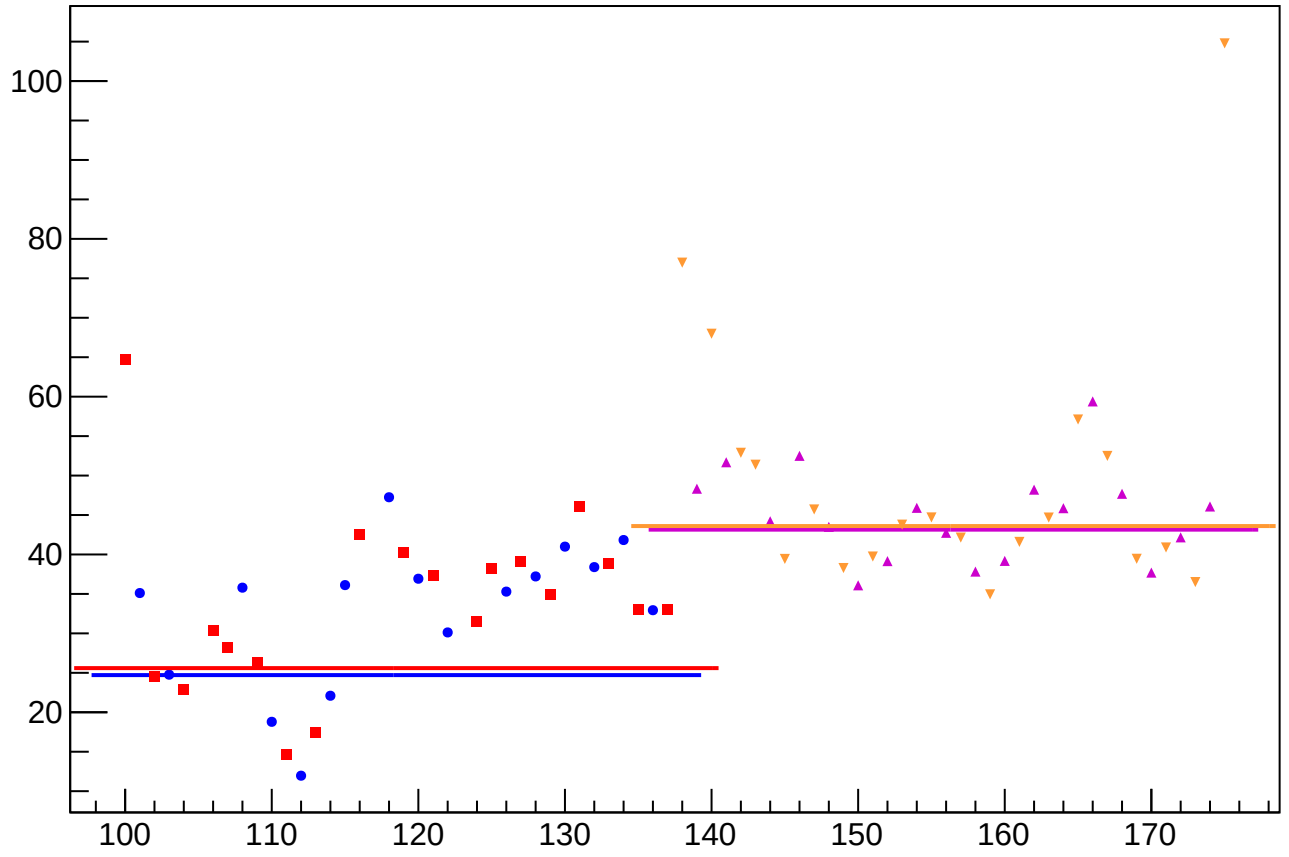
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.012 χ^2/NDF:19.3/17

+ sign 0.010+/-0.008 χ^2/NDF: 37.7/35

All: 0.002+/-0.005 χ^2/NDF: 72.6/72

- sign -0.005+/-0.008 χ^2/NDF: 32.9/36



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.600+/-0.008 χ^2/NDF:1358661.6/19

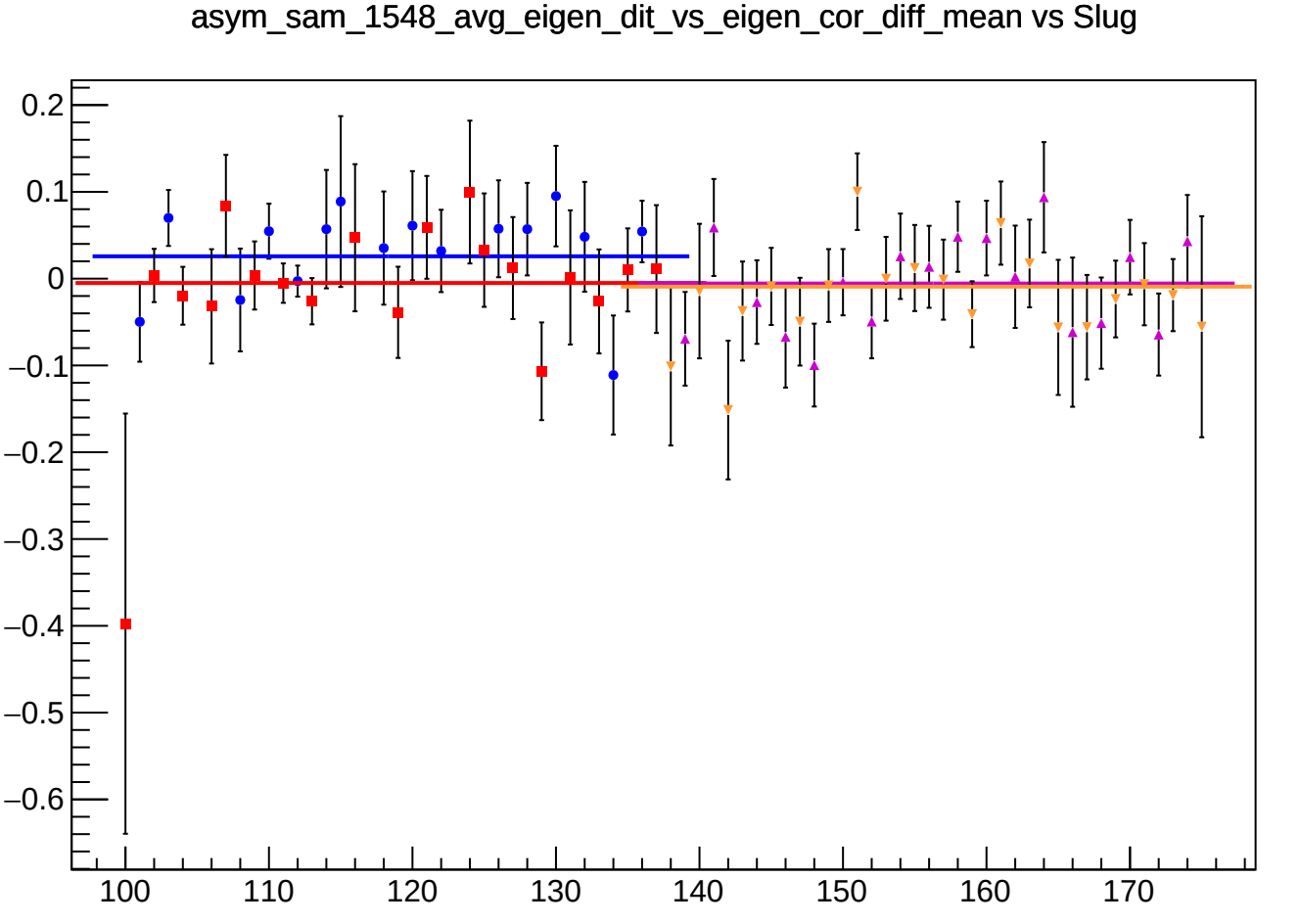
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.147+/-0.008 χ^2/NDF:405400.8/17

+ sign 33.194+/-0.005 χ^2/NDF: 6641503.1/35

All: 33.291+/-0.004 χ^2/NDF: 11206996.8/72

- sign 33.389+/-0.005 χ^2/NDF: 4564855.7/36



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.011 χ^2/NDF:16.0/19

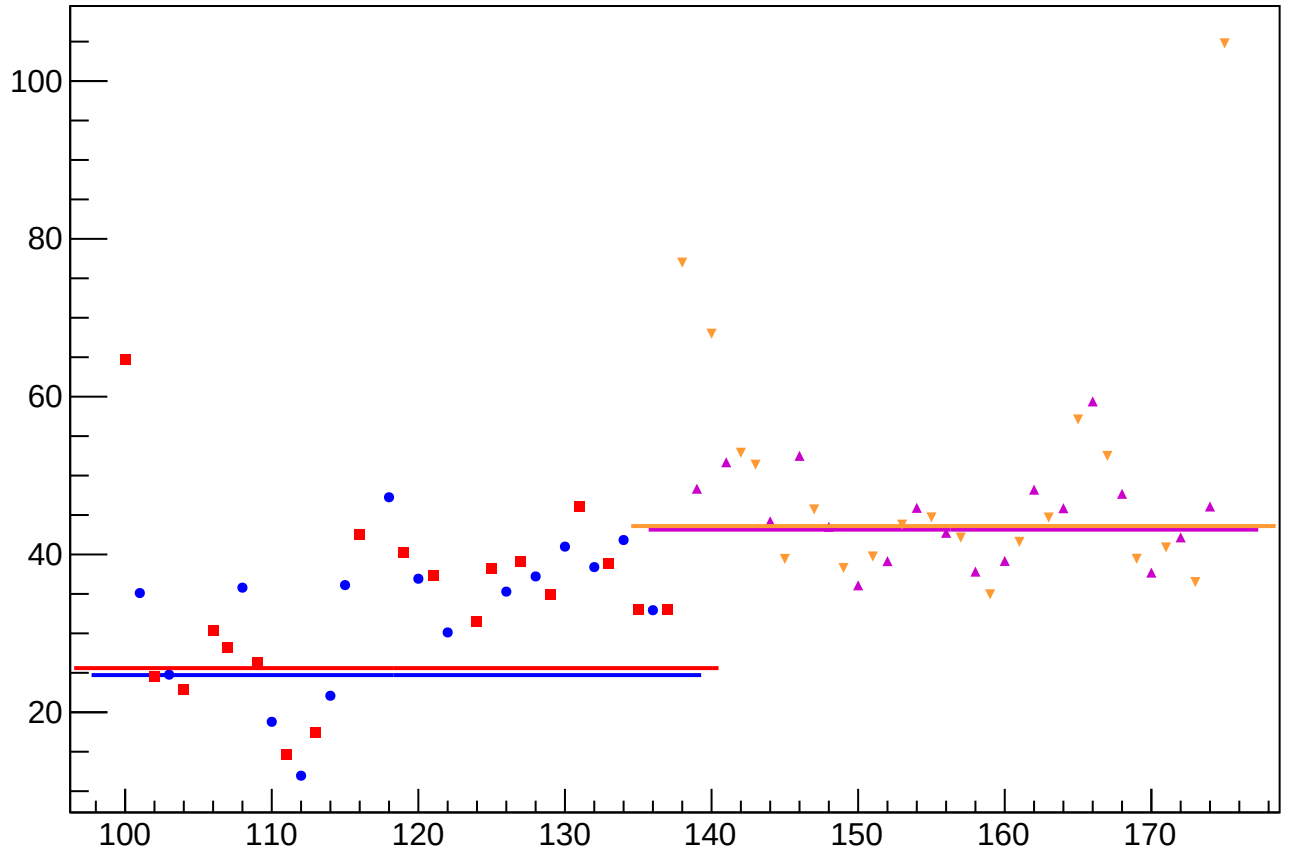
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.012 χ^2/NDF:19.3/17

+ sign 0.010+/-0.008 χ^2/NDF: 37.7/35

All: 0.002+/-0.005 χ^2/NDF: 72.6/72

- sign -0.005+/-0.008 χ^2/NDF: 32.9/36



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.600+/-0.008 χ^2/NDF:1358661.6/19

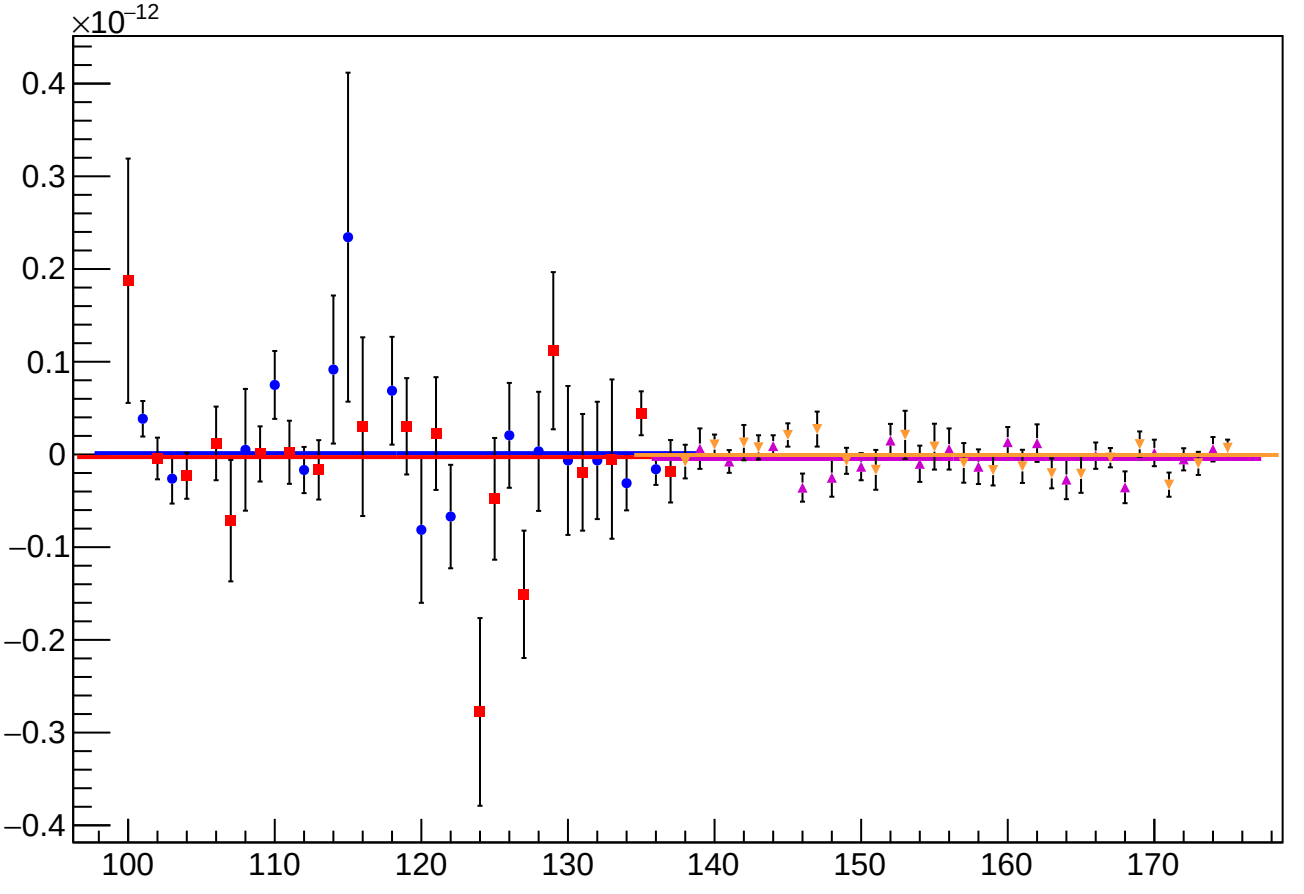
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.147+/-0.008 χ^2/NDF:405400.8/17

+ sign 33.194+/-0.005 χ^2/NDF: 6641503.1/35

All: 33.291+/-0.004 χ^2/NDF: 11206996.8/72

- sign 33.389+/-0.005 χ^2/NDF: 4564855.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/19

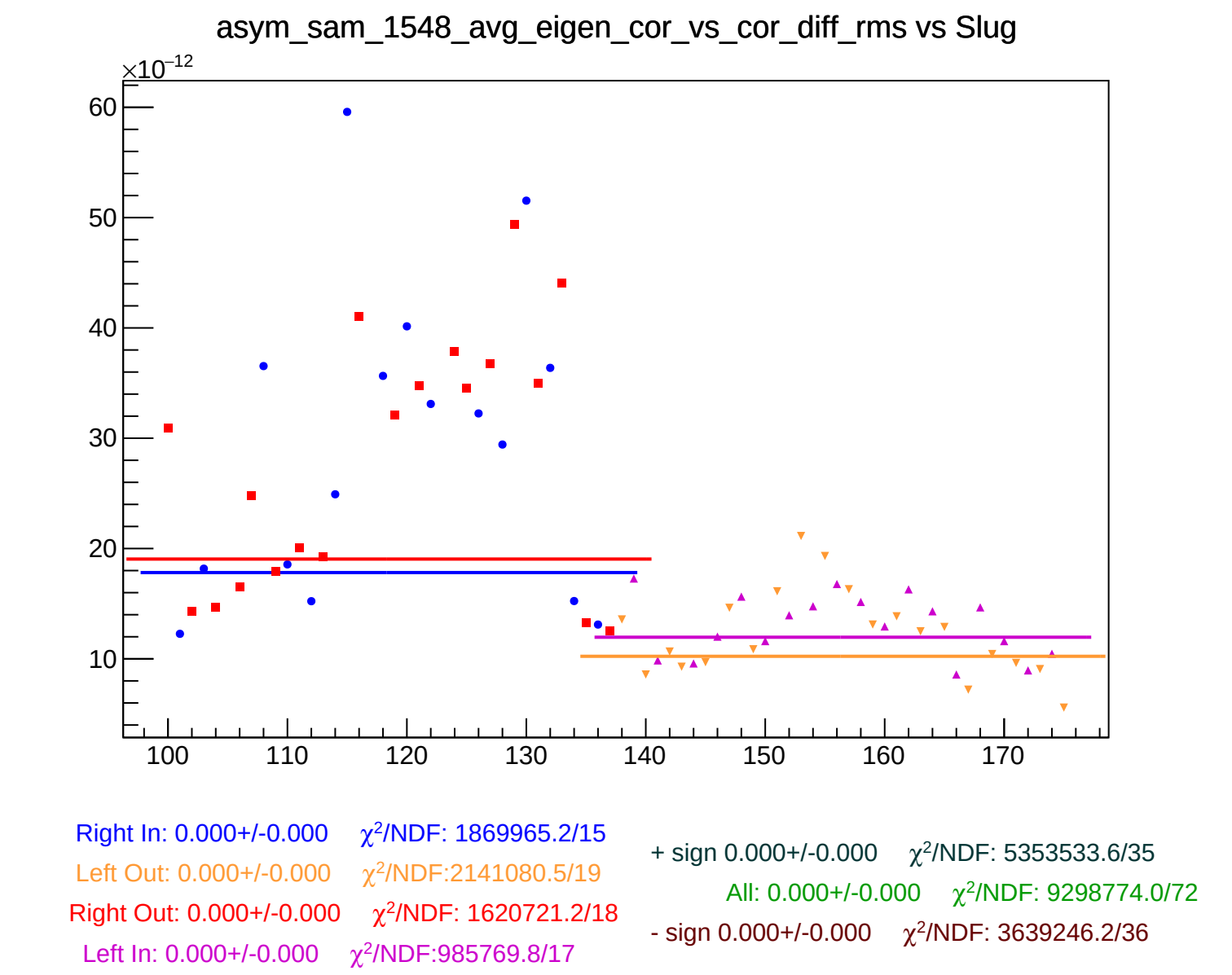
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:16.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 39.8/35

All: -0.000+/-0.000 χ^2/NDF: 80.3/72

- sign -0.000+/-0.000 χ^2/NDF: 39.6/36


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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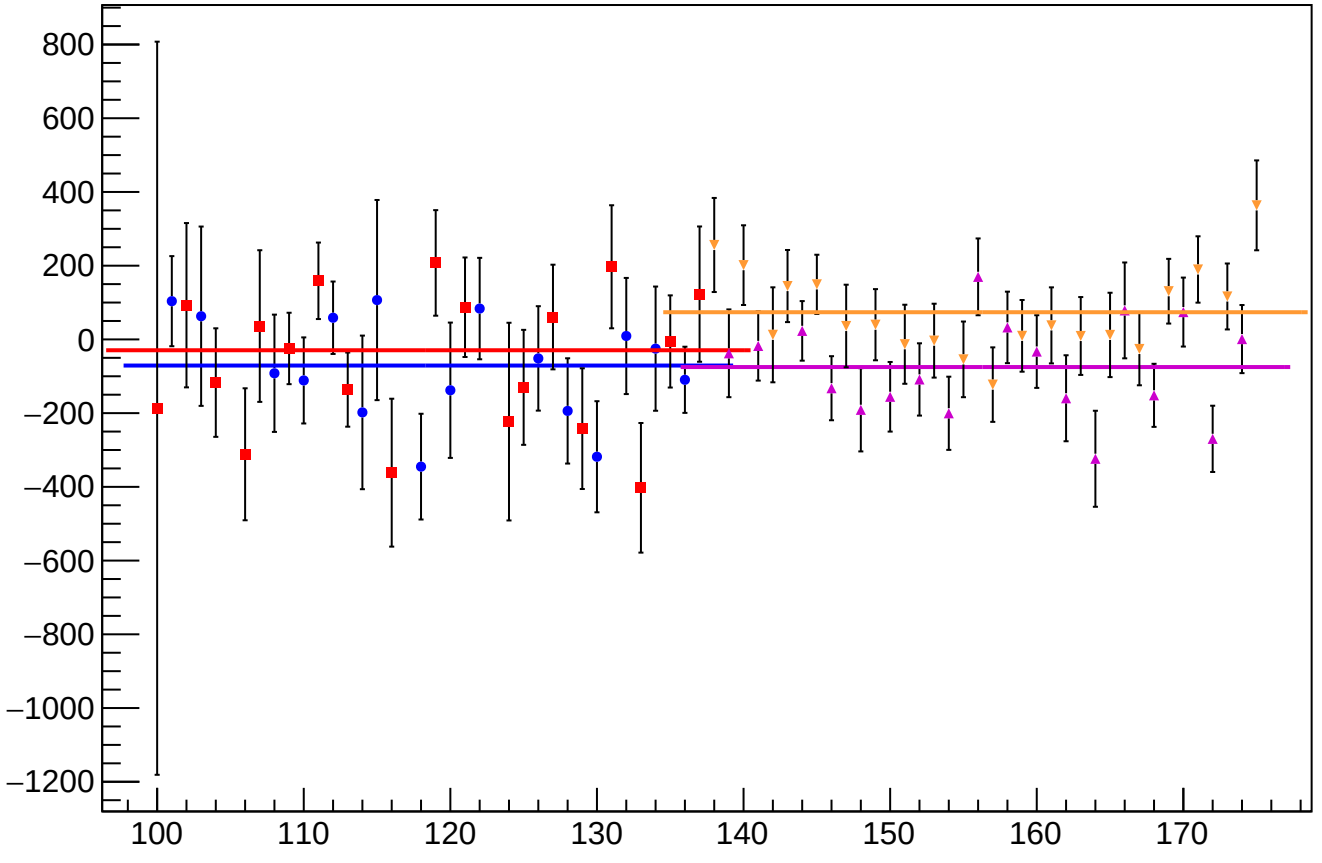
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2141080.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:985769.8/17
+ sign 0.000+/-0.000 χ²/NDF: 5353533.6/35
All: 0.000+/-0.000 χ²/NDF: 9298774.0/72
- sign 0.000+/-0.000 χ²/NDF: 3639246.2/36

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 73.760+/-22.660 χ^2/NDF:22.1/19

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

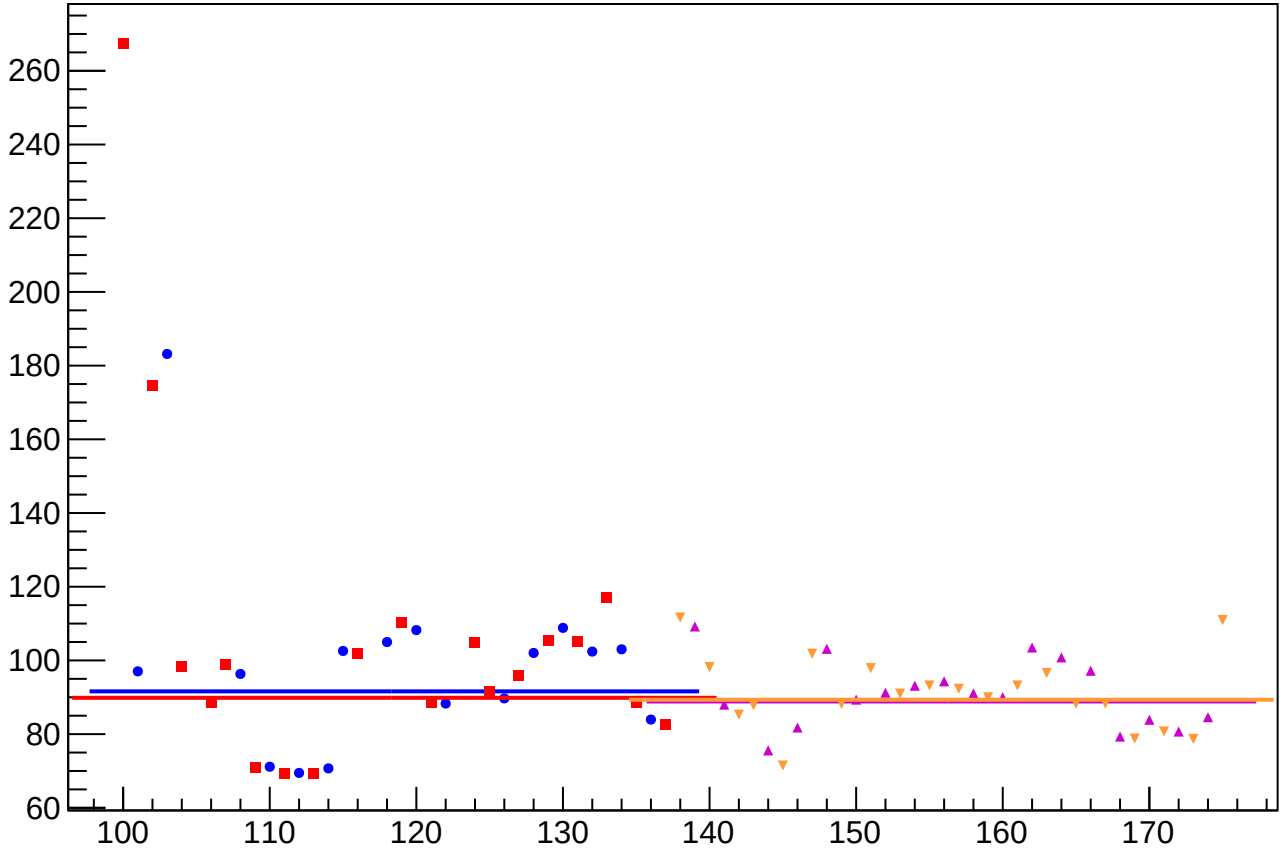
Left In: -74.964+/-23.248 χ^2/NDF:27.1/17

+ sign 31.245+/-19.041 χ^2/NDF: 48.1/35

All: -14.210+/-13.532 χ^2/NDF: 112.0/72

- sign -60.591+/-19.234 χ^2/NDF: 52.3/36

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 89.331+/-0.016 χ^2/NDF:369794.8/19

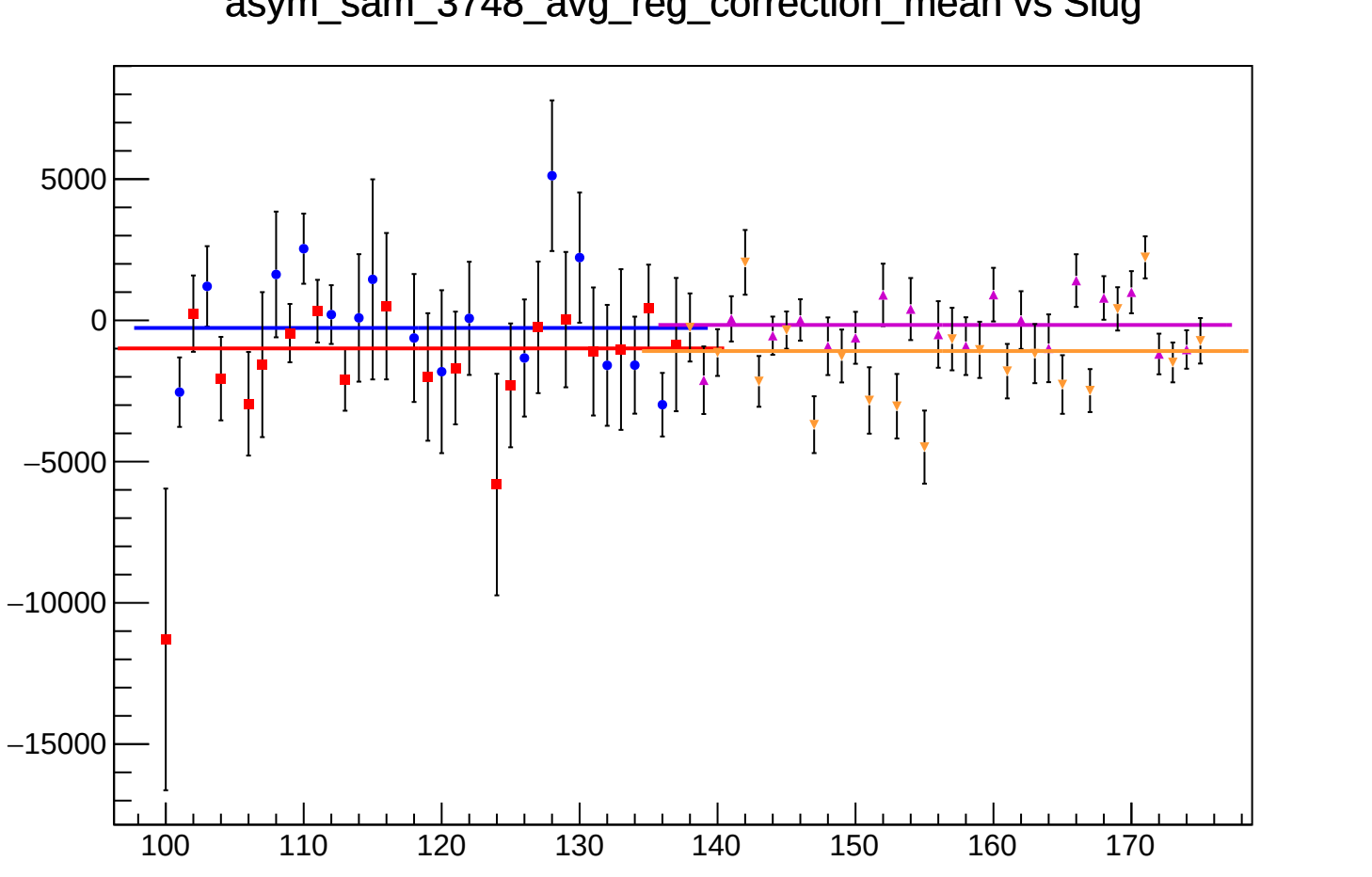
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 88.855+/-0.016 χ^2/NDF:277480.9/17

+ sign 90.001+/-0.013 χ^2/NDF: 956401.1/35

All: 89.590+/-0.010 χ^2/NDF: 1983216.3/72

- sign 89.171+/-0.014 χ^2/NDF: 1024935.0/36



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1085.815+/-203.273 χ^2/NDF:59.1/19

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

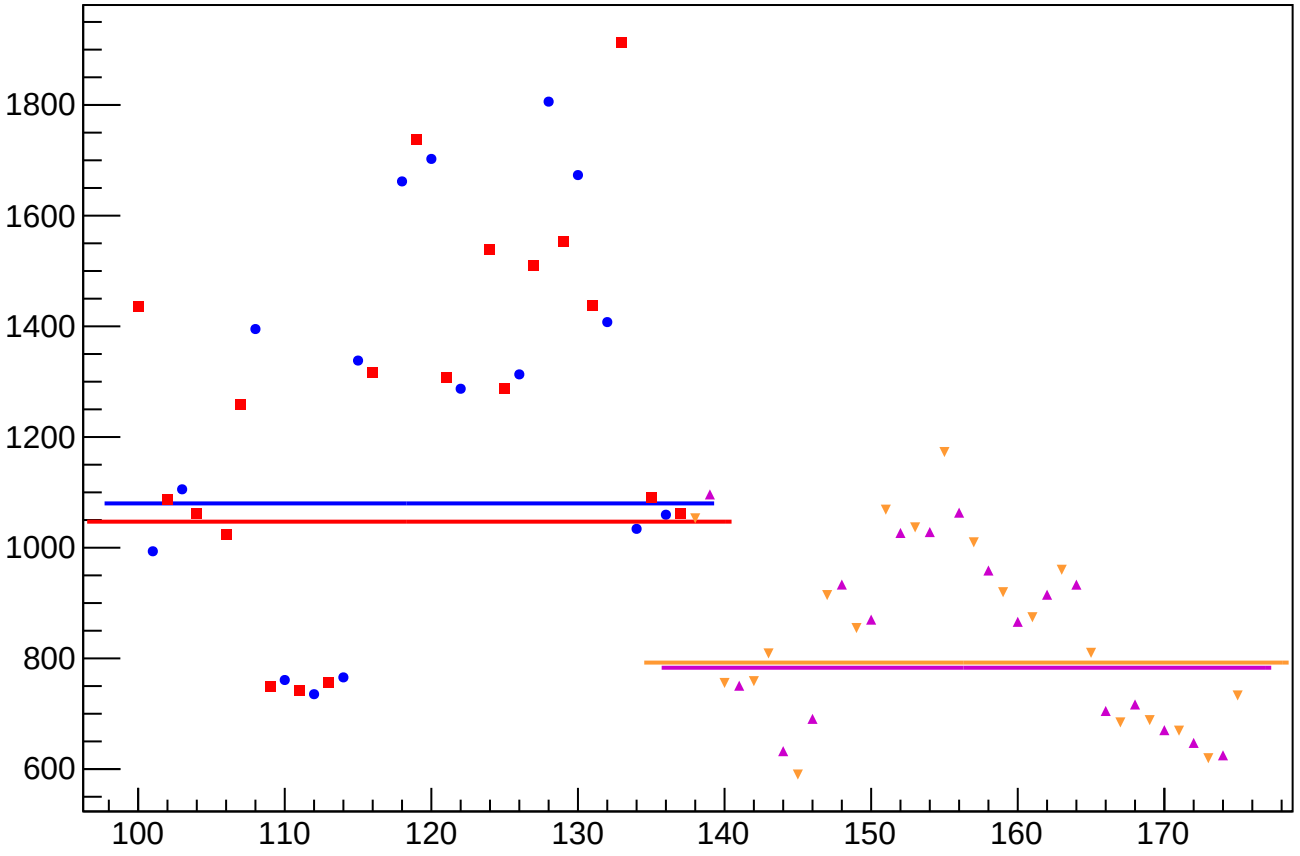
Left In: -162.304+/-207.314 χ^2/NDF:18.0/17

+ sign -930.445+/-182.935 χ^2/NDF: 85.6/35

All: -635.949+/-129.779 χ^2/NDF: 124.8/72

- sign -337.557+/-184.141 χ^2/NDF: 34.0/36

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 792.433+/-0.144 χ^2/NDF:1140174.6/19

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

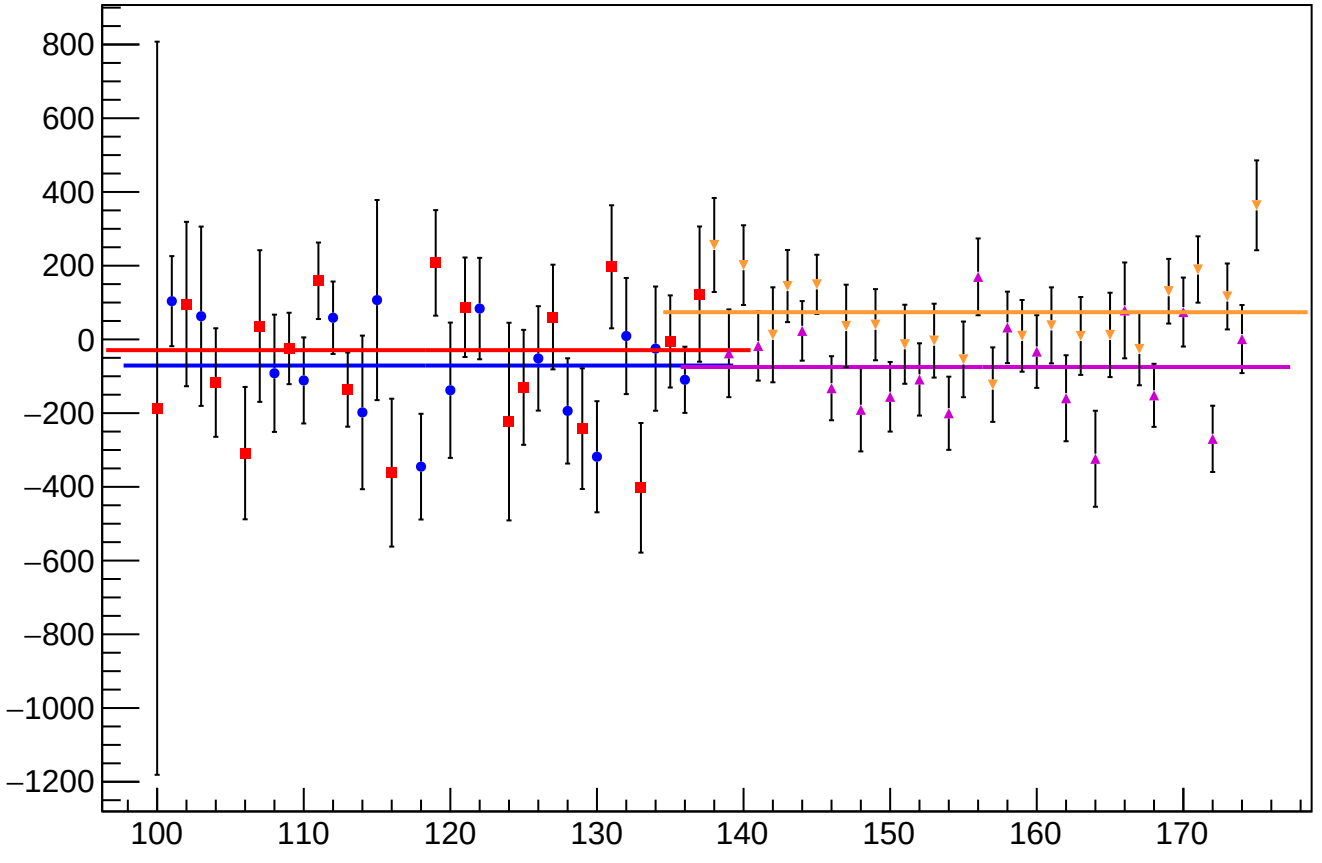
Left In: 783.134+/-0.147 χ^2/NDF:1036288.1/17

+ sign 847.107+/-0.129 χ^2/NDF: 2954763.3/35

All: 843.000+/-0.092 χ^2/NDF: 5875888.0/72

- sign 838.838+/-0.130 χ^2/NDF: 2919095.3/36

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 73.764+/-22.660 χ^2/NDF:22.1/19

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

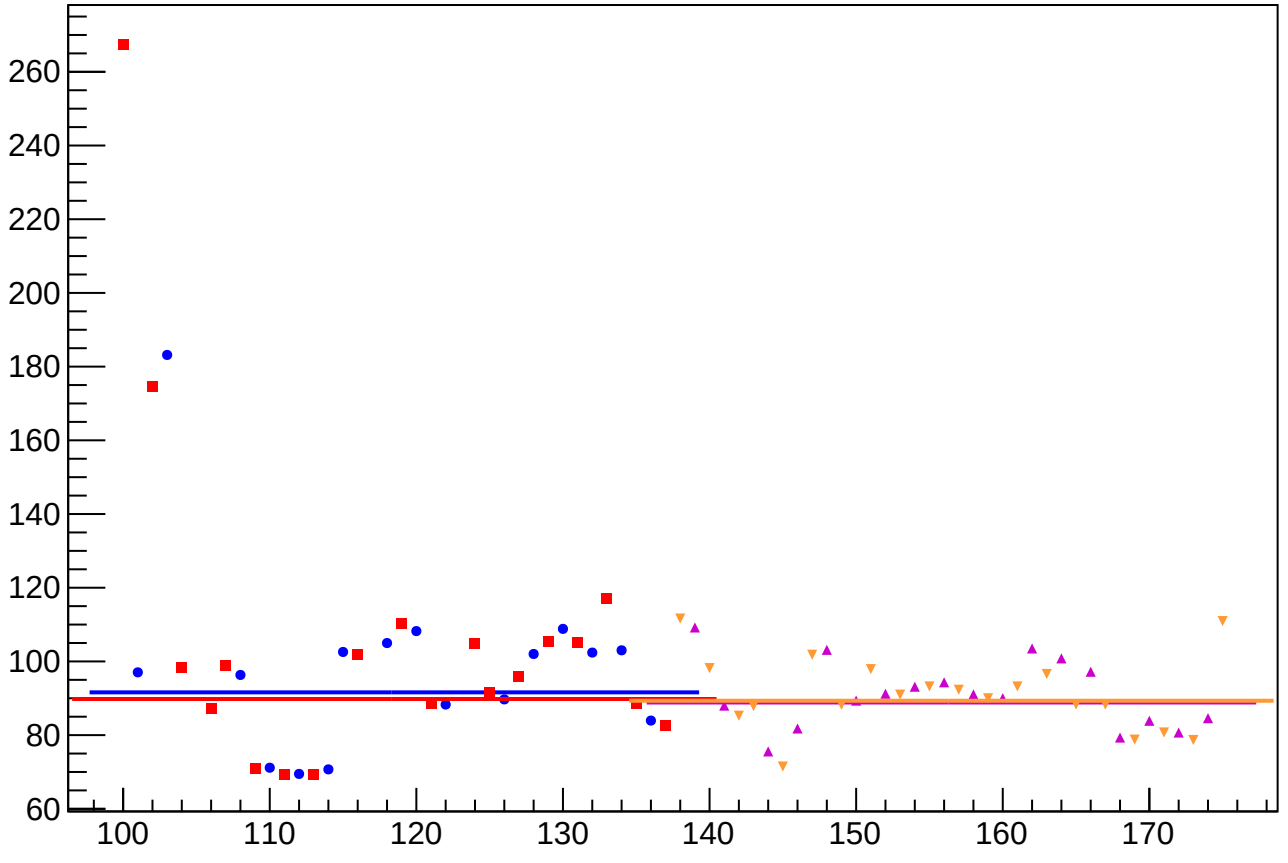
Left In: -74.963+/-23.248 χ^2/NDF:27.1/17

+ sign 31.243+/-19.041 χ^2/NDF: 48.1/35

All: -14.170+/-13.532 χ^2/NDF: 111.9/72

- sign -60.514+/-19.235 χ^2/NDF: 52.3/36

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.331+/-0.016 χ^2/NDF:369794.8/19

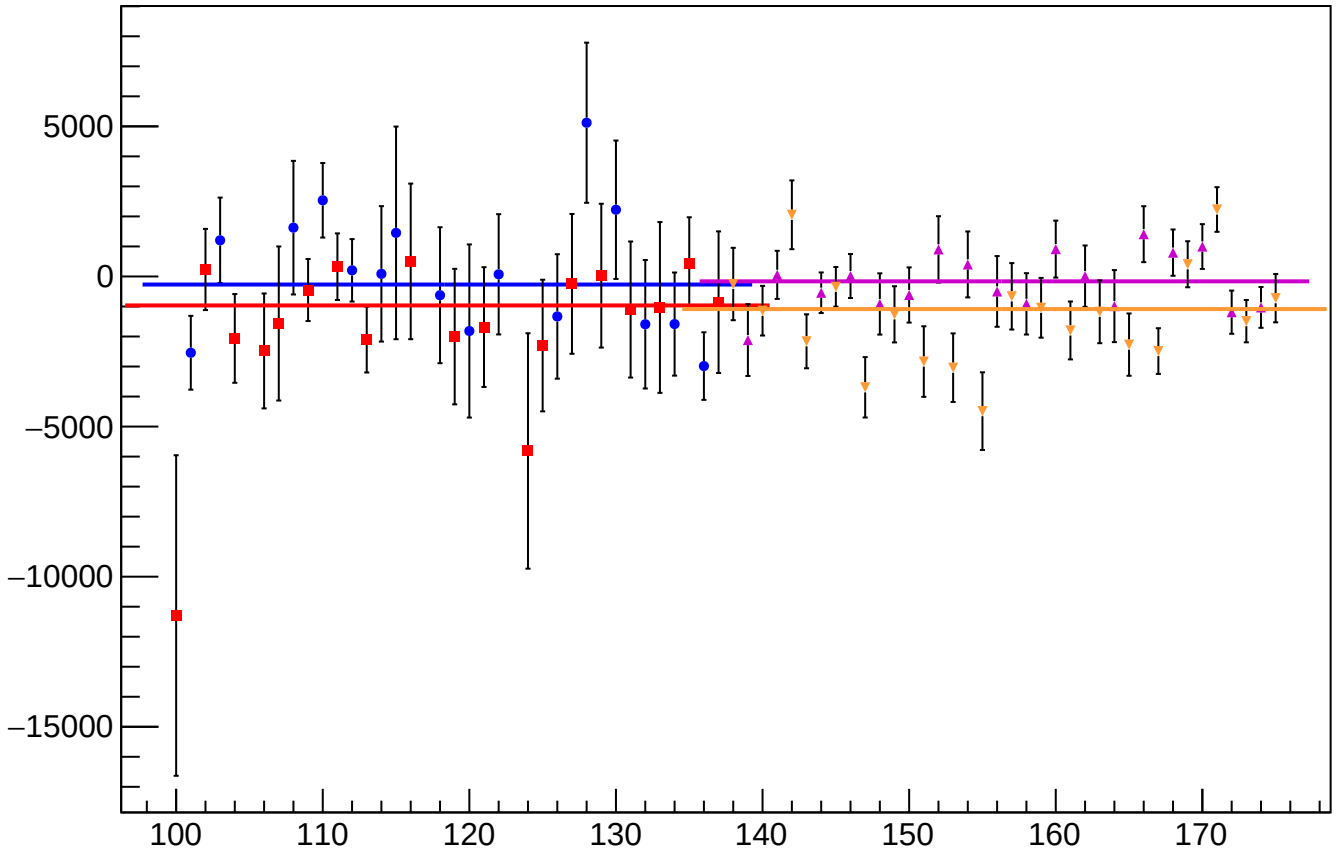
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.855+/-0.016 χ^2/NDF:277480.9/17

+ sign 90.001+/-0.013 χ^2/NDF: 956404.2/35

All: 89.582+/-0.010 χ^2/NDF: 1983724.1/72

- sign 89.156+/-0.014 χ^2/NDF: 1025371.2/36



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1085.811+/-203.273 χ^2/NDF:59.1/19

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

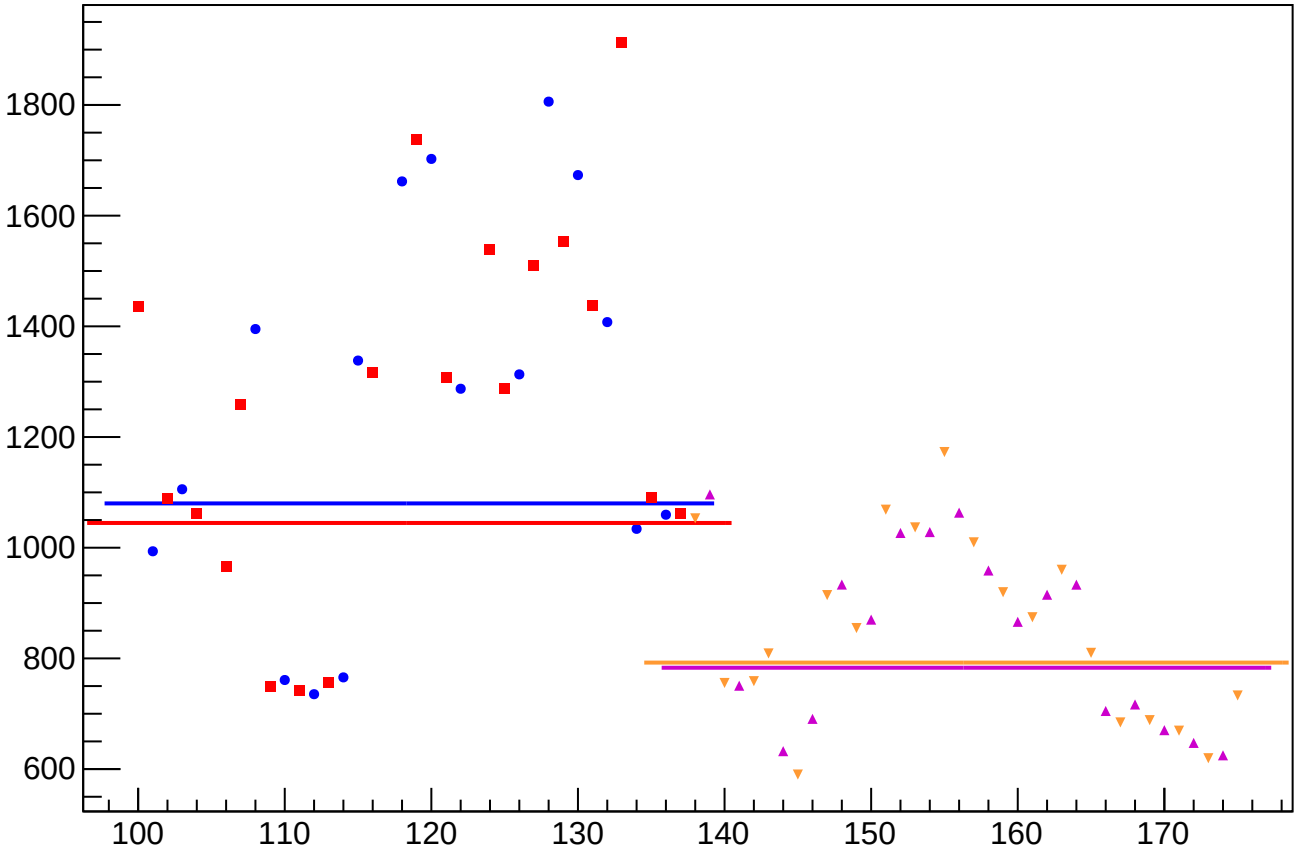
Left In: -162.308+/-207.314 χ^2/NDF:18.0/17

+ sign -930.448+/-182.935 χ^2/NDF: 85.6/35

All: -632.909+/-129.806 χ^2/NDF: 124.2/72

- sign -331.179+/-184.220 χ^2/NDF: 33.2/36

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 792.433+/-0.144 χ^2/NDF:1140176.8/19

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

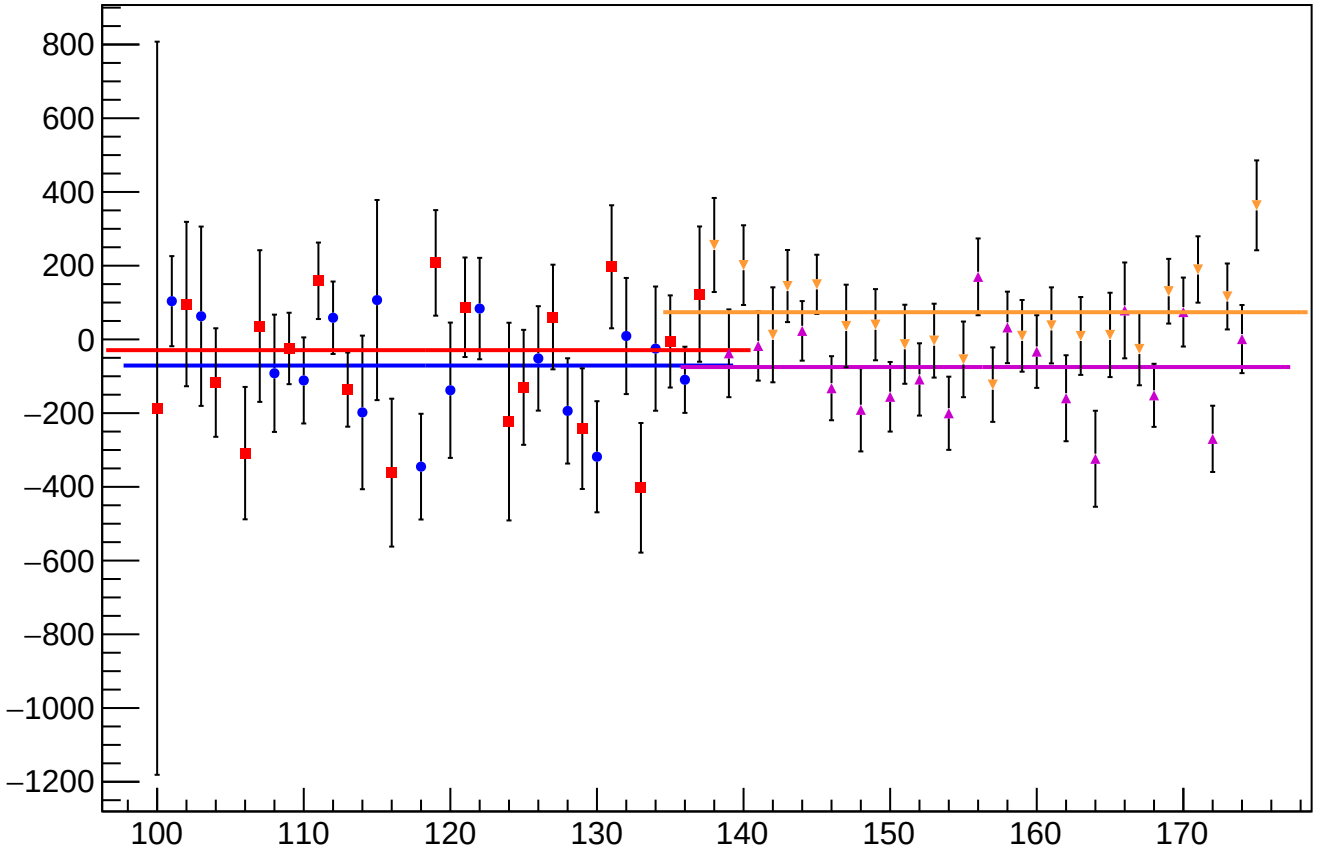
Left In: 783.134+/-0.147 χ^2/NDF:1036288.1/17

+ sign 847.107+/-0.129 χ^2/NDF: 2954809.2/35

All: 842.668+/-0.092 χ^2/NDF: 5865187.3/72

- sign 838.167+/-0.130 χ^2/NDF: 2908006.3/36

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 73.764+/-22.660 χ^2/NDF:22.1/19

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

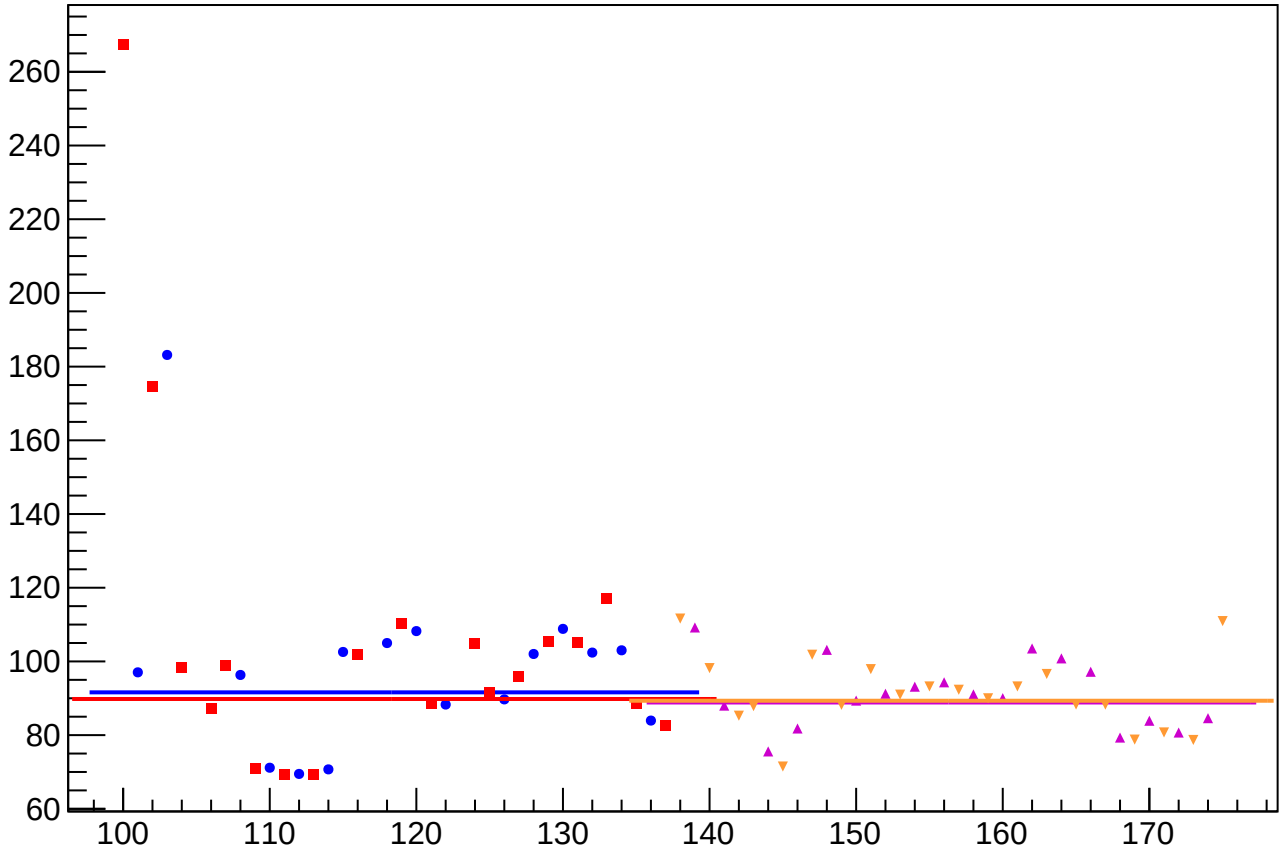
Left In: -74.963+/-23.248 χ^2/NDF:27.1/17

+ sign 31.243+/-19.041 χ^2/NDF: 48.1/35

All: -14.170+/-13.532 χ^2/NDF: 111.9/72

- sign -60.514+/-19.235 χ^2/NDF: 52.3/36

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.331+/-0.016 χ^2/NDF:369794.8/19

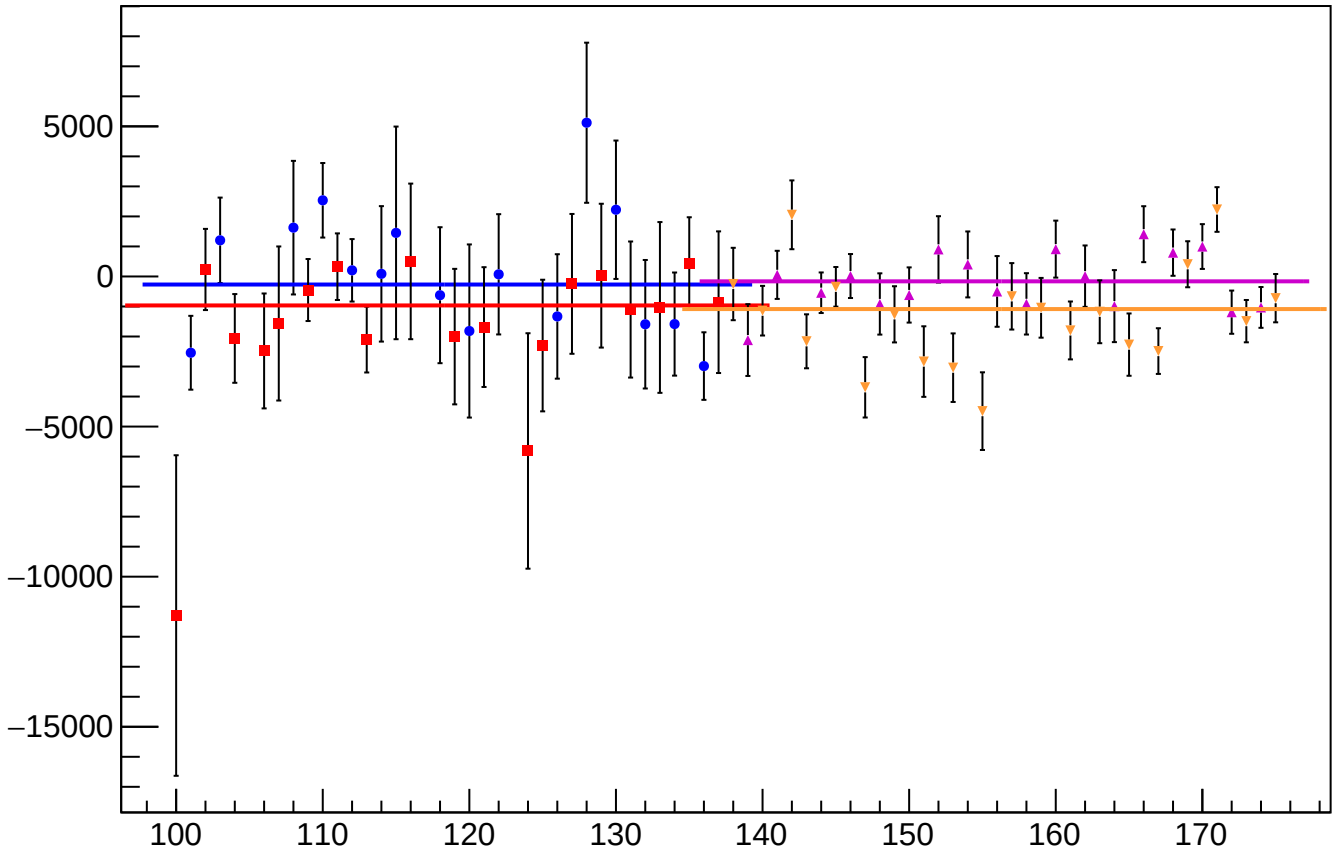
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.855+/-0.016 χ^2/NDF:277480.9/17

+ sign 90.001+/-0.013 χ^2/NDF: 956404.2/35

All: 89.582+/-0.010 χ^2/NDF: 1983724.1/72

- sign 89.156+/-0.014 χ^2/NDF: 1025371.2/36



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1085.811+/-203.273 χ^2/NDF:59.1/19

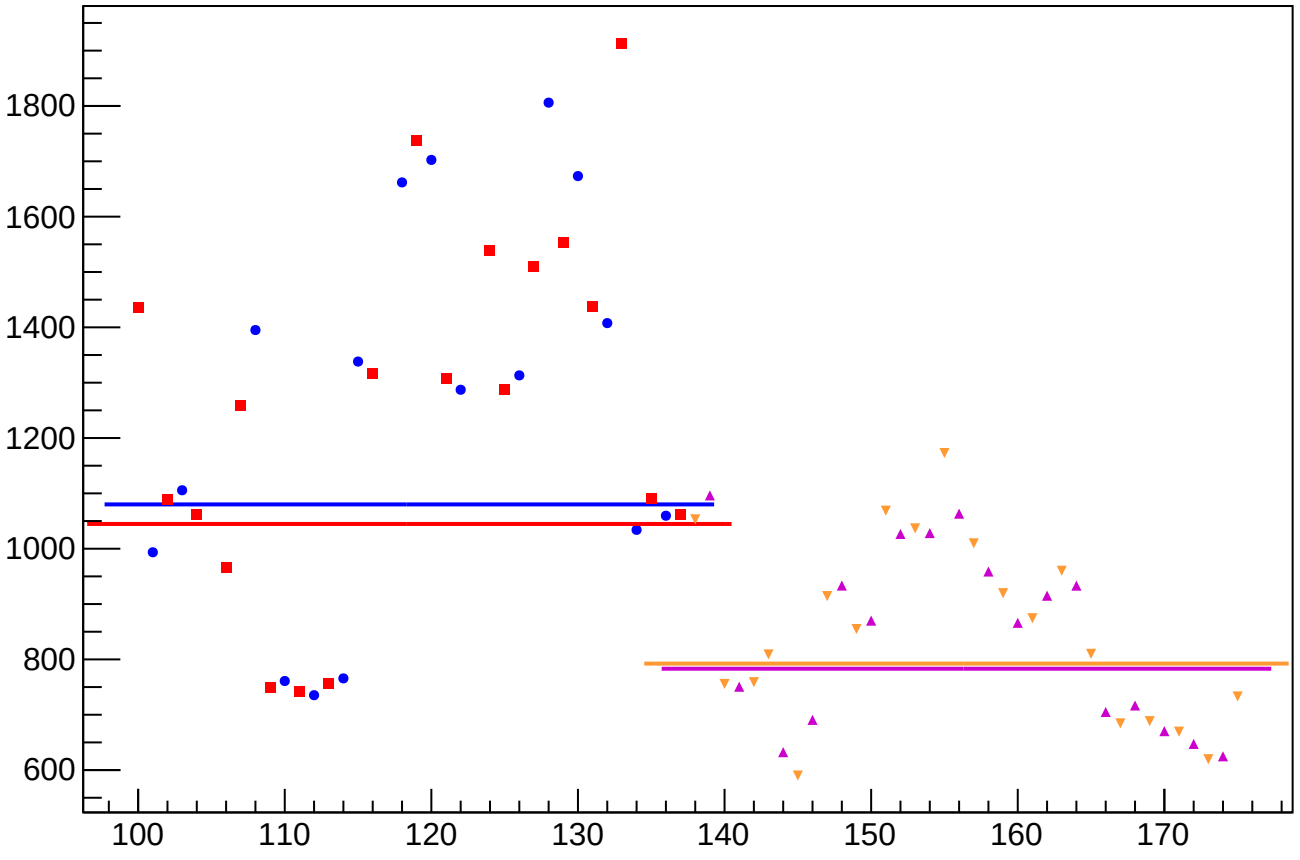
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -162.308+/-207.314 χ^2/NDF:18.0/17

+ sign -930.448+/-182.935 χ^2/NDF: 85.6/35

All: -632.909+/-129.806 χ^2/NDF: 124.2/72

- sign -331.179+/-184.220 χ^2/NDF: 33.2/36



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 792.433+/-0.144 χ^2/NDF:1140176.8/19

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

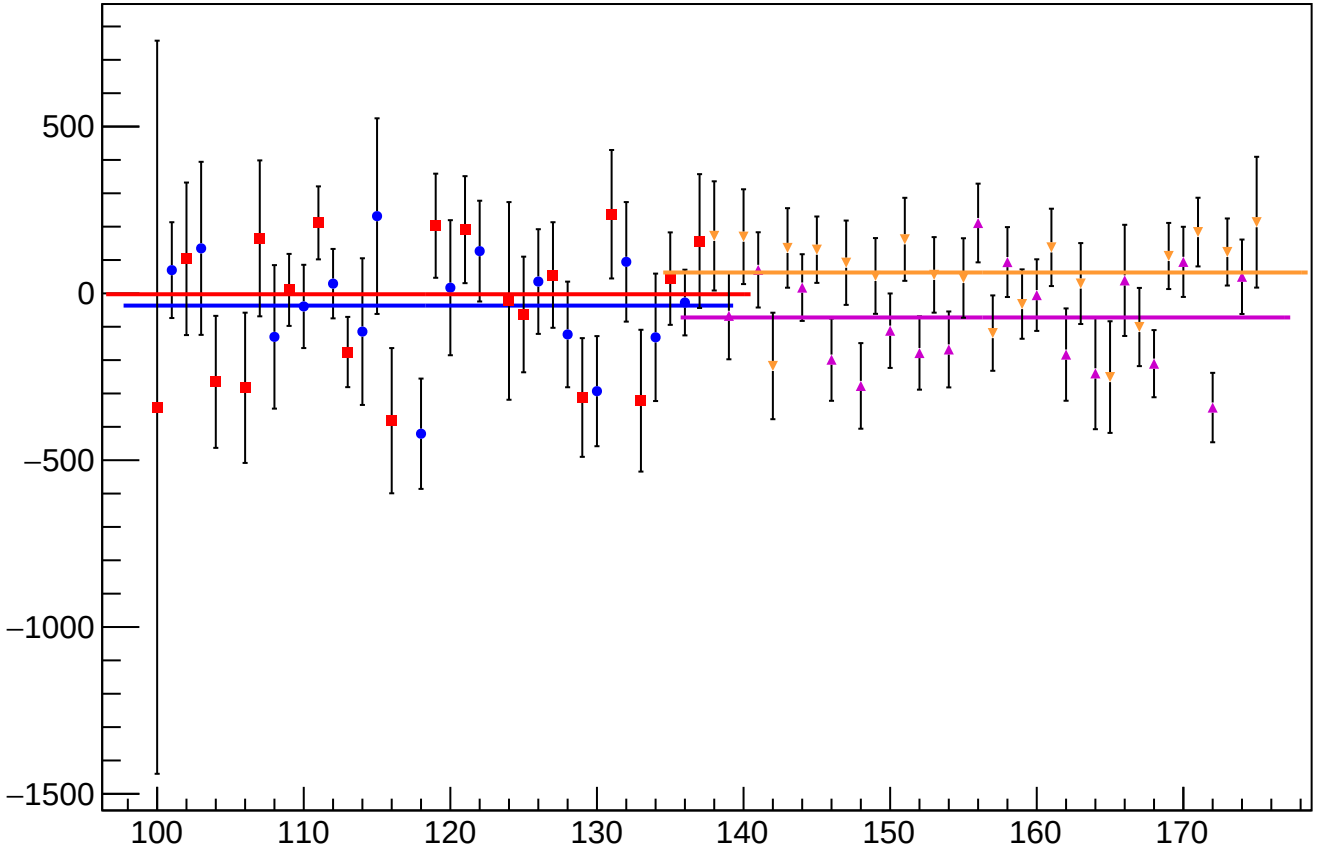
Left In: 783.134+/-0.147 χ^2/NDF:1036288.1/17

+ sign 847.107+/-0.129 χ^2/NDF: 2954809.2/35

All: 842.668+/-0.092 χ^2/NDF: 5865187.3/72

- sign 838.167+/-0.130 χ^2/NDF: 2908006.3/36

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 62.602+/-26.787 χ^2/NDF:17.6/19

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

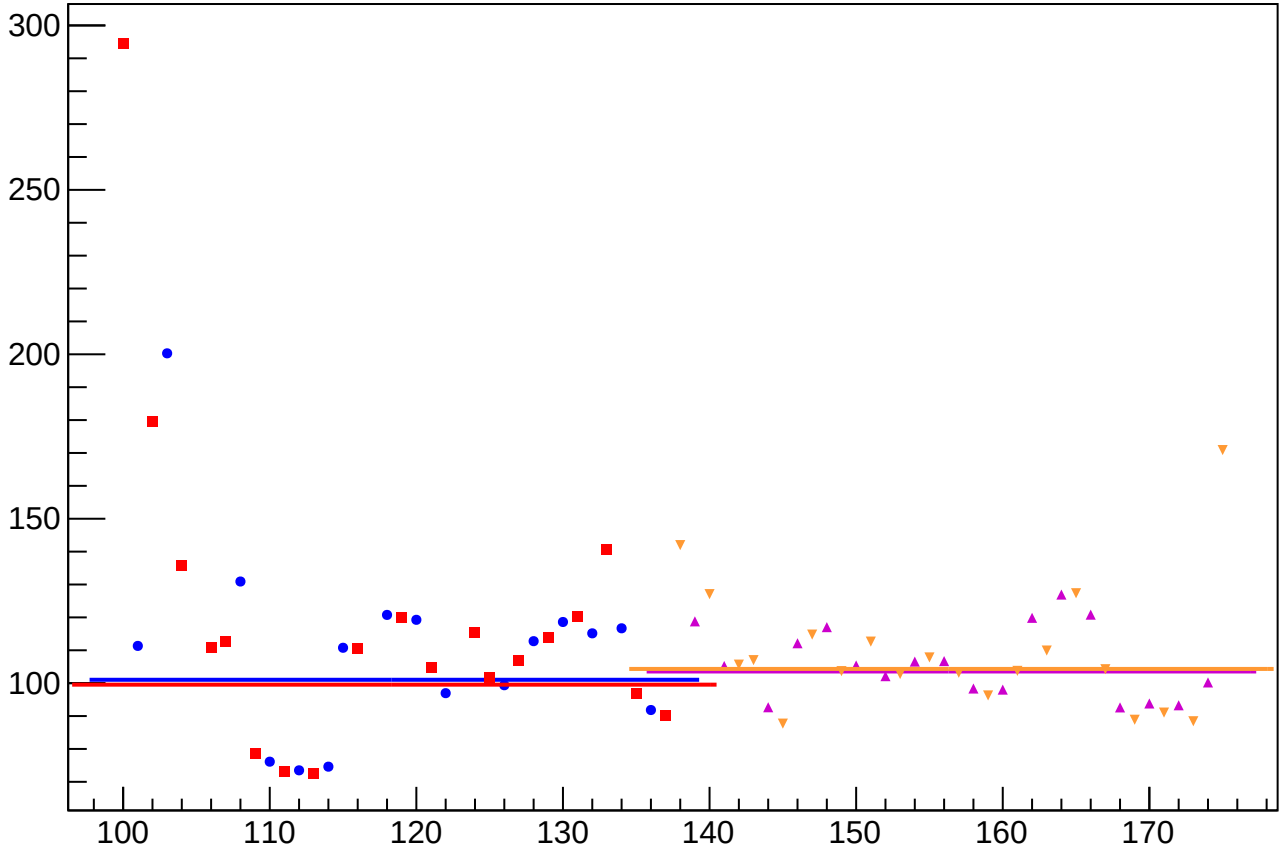
Left In: -72.148+/-27.315 χ^2/NDF:30.9/17

+ sign 30.797+/-22.079 χ^2/NDF: 34.9/35

All: -8.652+/-15.659 χ^2/NDF: 99.2/72

- sign -48.579+/-22.212 χ^2/NDF: 57.8/36

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 104.329+/-0.019 χ^2/NDF:655711.8/19

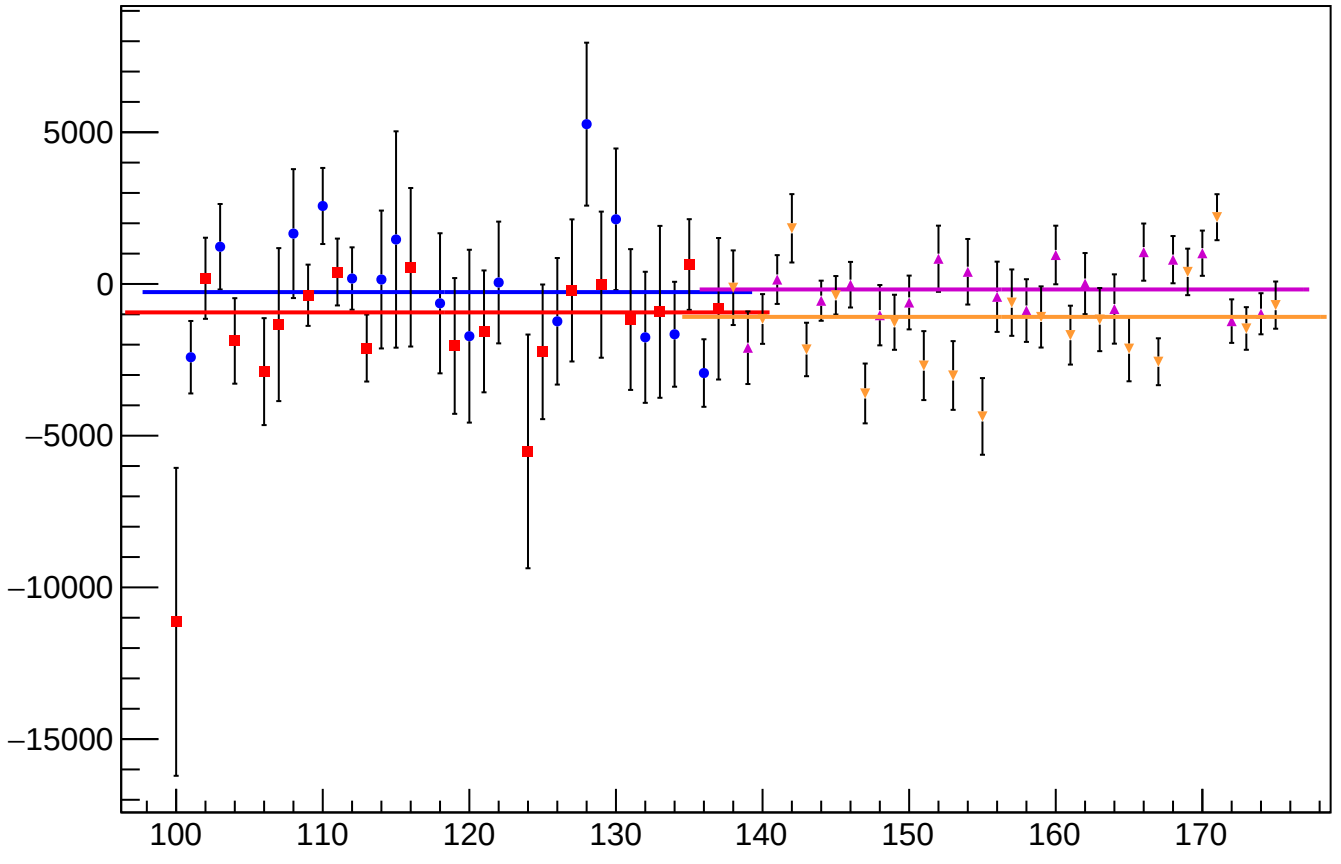
Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 103.553+/-0.019 χ^2/NDF:247535.7/17

+ sign 103.271+/-0.016 χ^2/NDF: 1381526.8/35

All: 102.737+/-0.011 χ^2/NDF: 2526489.3/72

- sign 102.196+/-0.016 χ^2/NDF: 1142604.3/36



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1084.779+/-201.615 χ^2/NDF:56.6/19

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

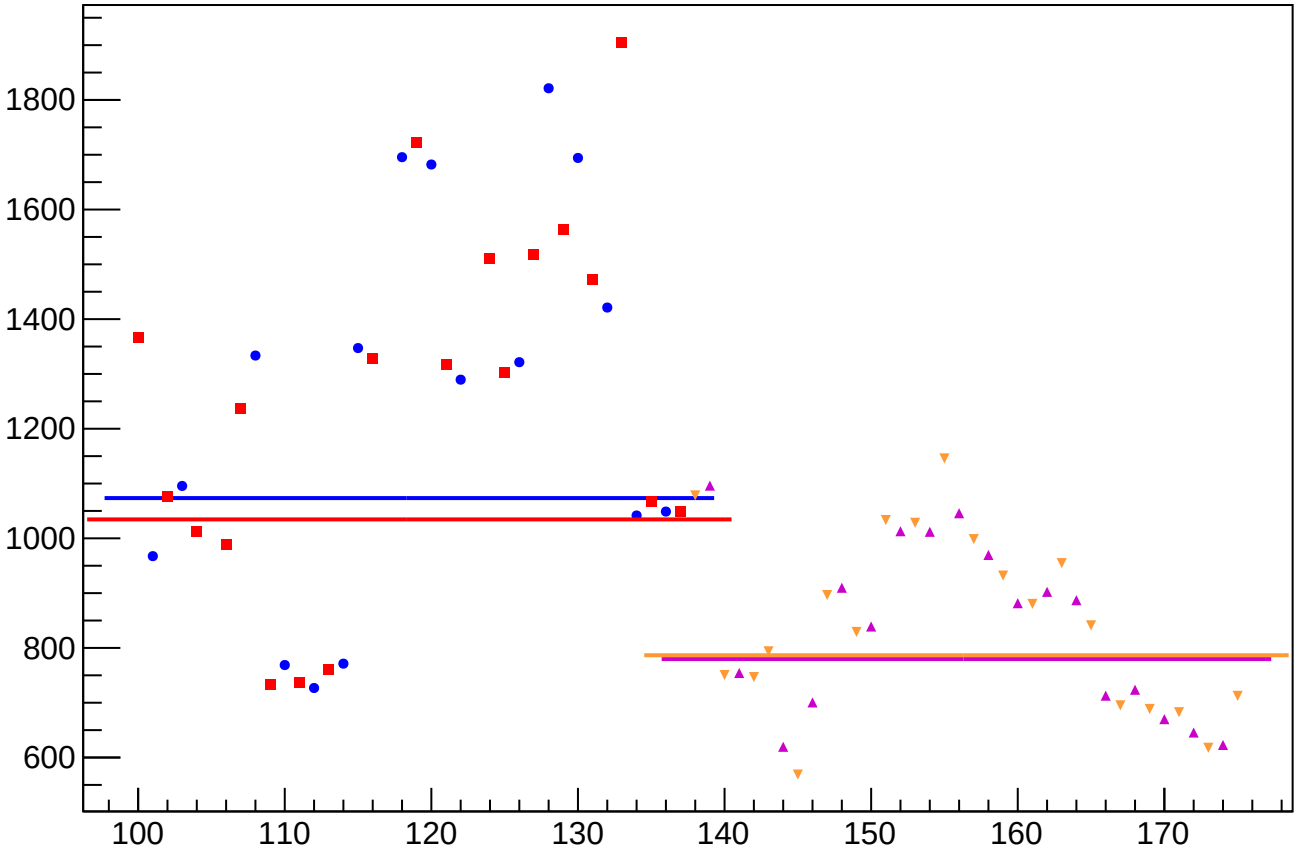
Left In: -180.668+/-206.314 χ^2/NDF:16.8/17

+ sign -930.038+/-181.518 χ^2/NDF: 83.1/35

All: -638.364+/-128.871 χ^2/NDF: 121.2/72

- sign -341.928+/-182.994 χ^2/NDF: 32.8/36

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 786.666+/-0.143 χ^2/NDF:1155954.7/19

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

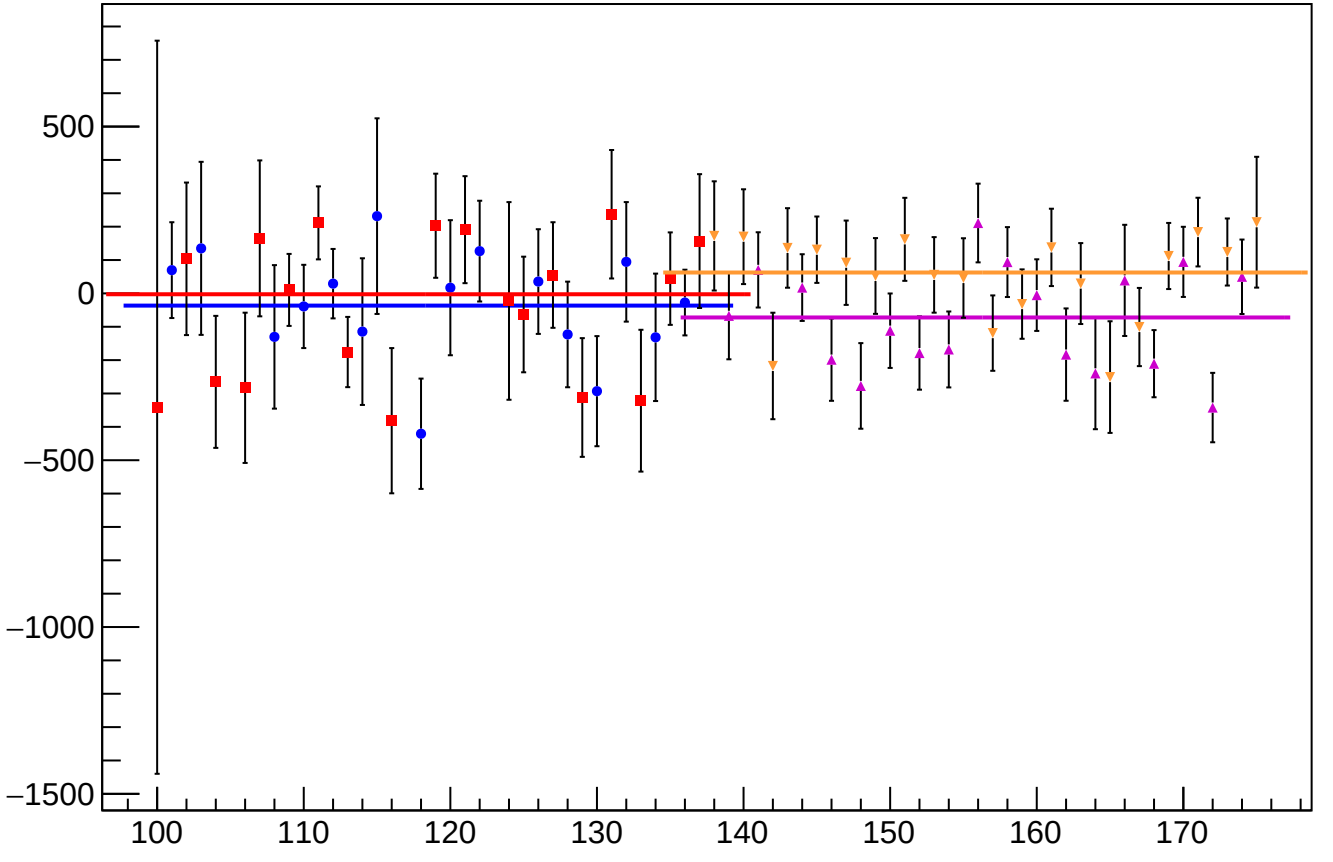
Left In: 779.690+/-0.146 χ^2/NDF:992235.9/17

+ sign 840.991+/-0.128 χ^2/NDF: 2999577.1/35

All: 837.547+/-0.091 χ^2/NDF: 5873476.0/72

- sign 834.046+/-0.129 χ^2/NDF: 2872446.7/36

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 62.604+/-26.787 χ^2/NDF:17.6/19

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

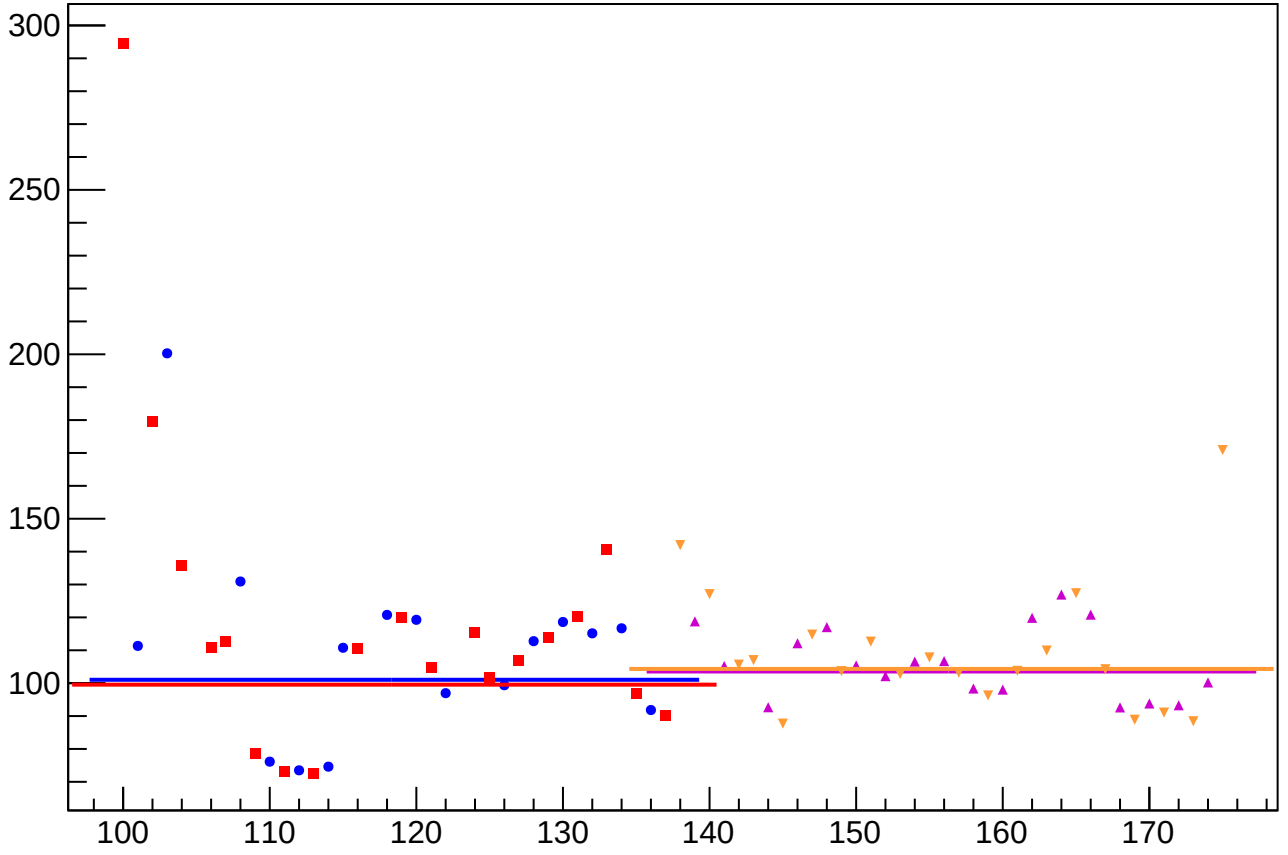
Left In: -72.148+/-27.315 χ^2/NDF:30.9/17

+ sign 30.798+/-22.079 χ^2/NDF: 34.9/35

All: -8.651+/-15.659 χ^2/NDF: 99.2/72

- sign -48.578+/-22.212 χ^2/NDF: 57.8/36

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 104.329+/-0.019 χ^2/NDF:655707.7/19

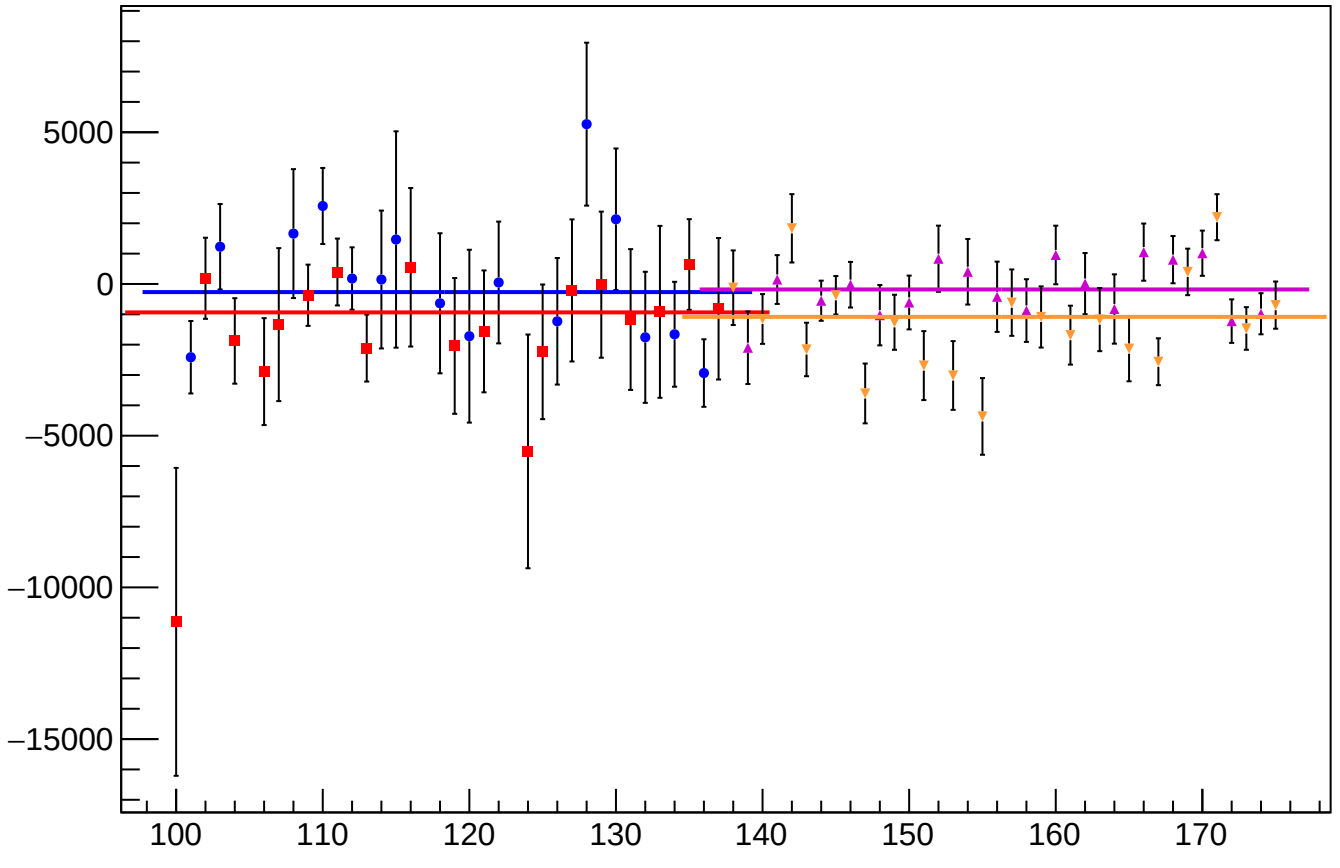
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 103.553+/-0.019 χ^2/NDF:247535.9/17

+ sign 103.272+/-0.016 χ^2/NDF: 1381522.7/35

All: 102.737+/-0.011 χ^2/NDF: 2526489.0/72

- sign 102.196+/-0.016 χ^2/NDF: 1142608.0/36



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1084.778+/-201.615 χ^2/NDF:56.6/19

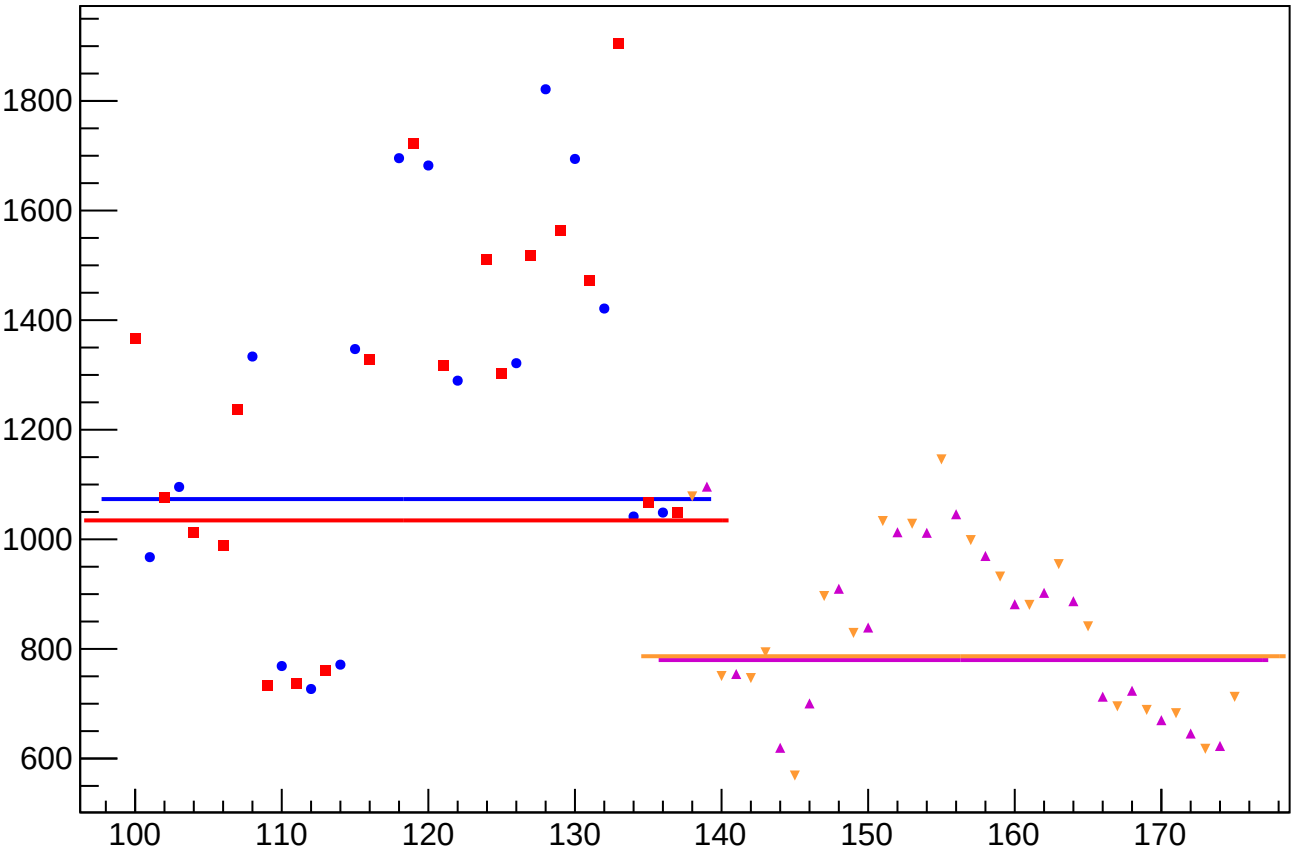
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -180.666+/-206.313 χ^2/NDF:16.8/17

+ sign -930.037+/-181.518 χ^2/NDF: 83.1/35

All: -638.362+/-128.871 χ^2/NDF: 121.2/72

- sign -341.926+/-182.993 χ^2/NDF: 32.8/36



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 786.665+/-0.143 χ^2/NDF:1155958.0/19

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

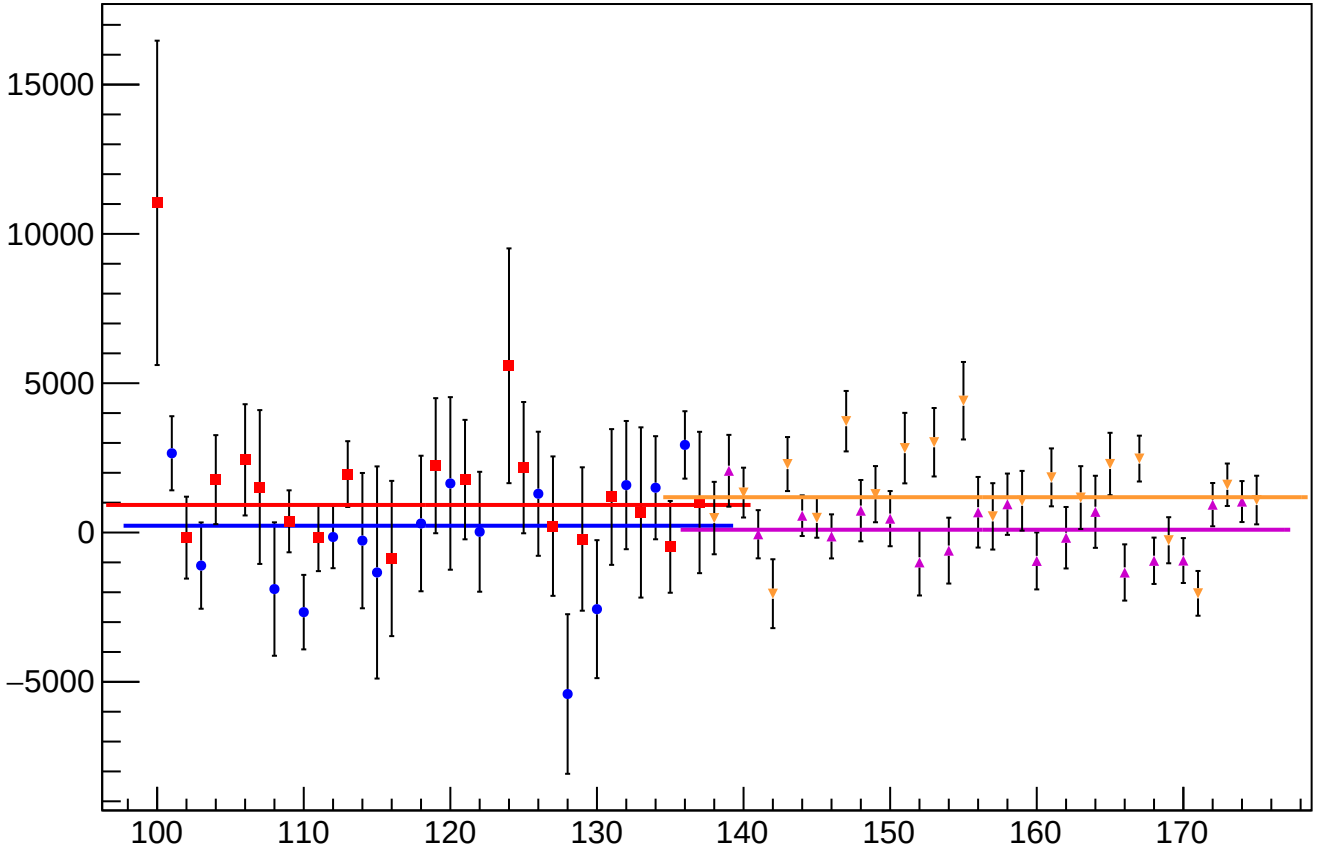
Left In: 779.689+/-0.146 χ^2/NDF:992237.4/17

+ sign 840.990+/-0.128 χ^2/NDF: 2999584.9/35

All: 837.545+/-0.091 χ^2/NDF: 5873487.8/72

- sign 834.044+/-0.129 χ^2/NDF: 2872450.6/36

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1182.936+/-204.675 χ^2/NDF:55.0/19

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

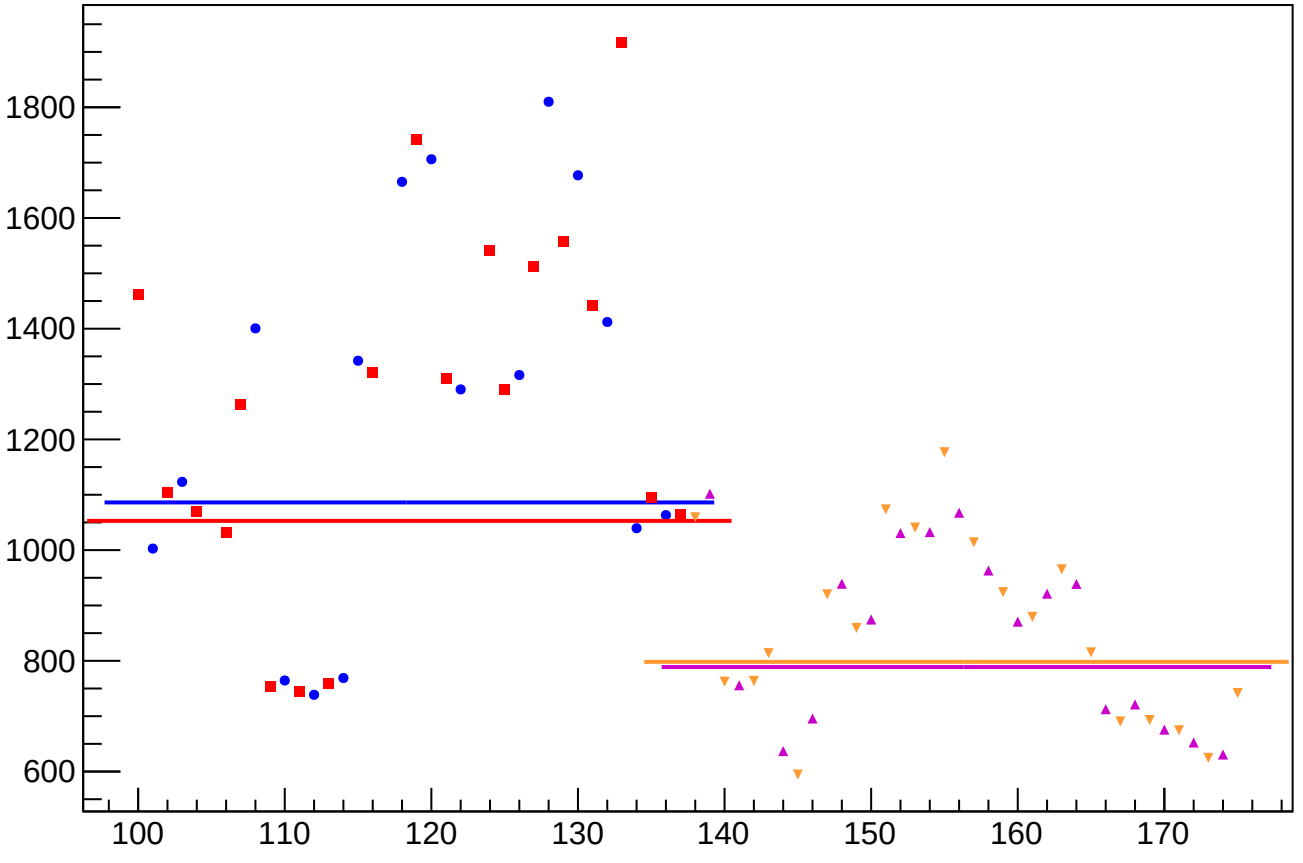
Left In: 93.601+/-208.738 χ^2/NDF:16.9/17

+ sign 1000.871+/-184.144 χ^2/NDF: 83.6/35

All: 637.400+/-130.637 χ^2/NDF: 122.8/72

- sign 269.113+/-185.360 χ^2/NDF: 31.4/36

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 798.120+/-0.145 χ^2/NDF:1124299.5/19

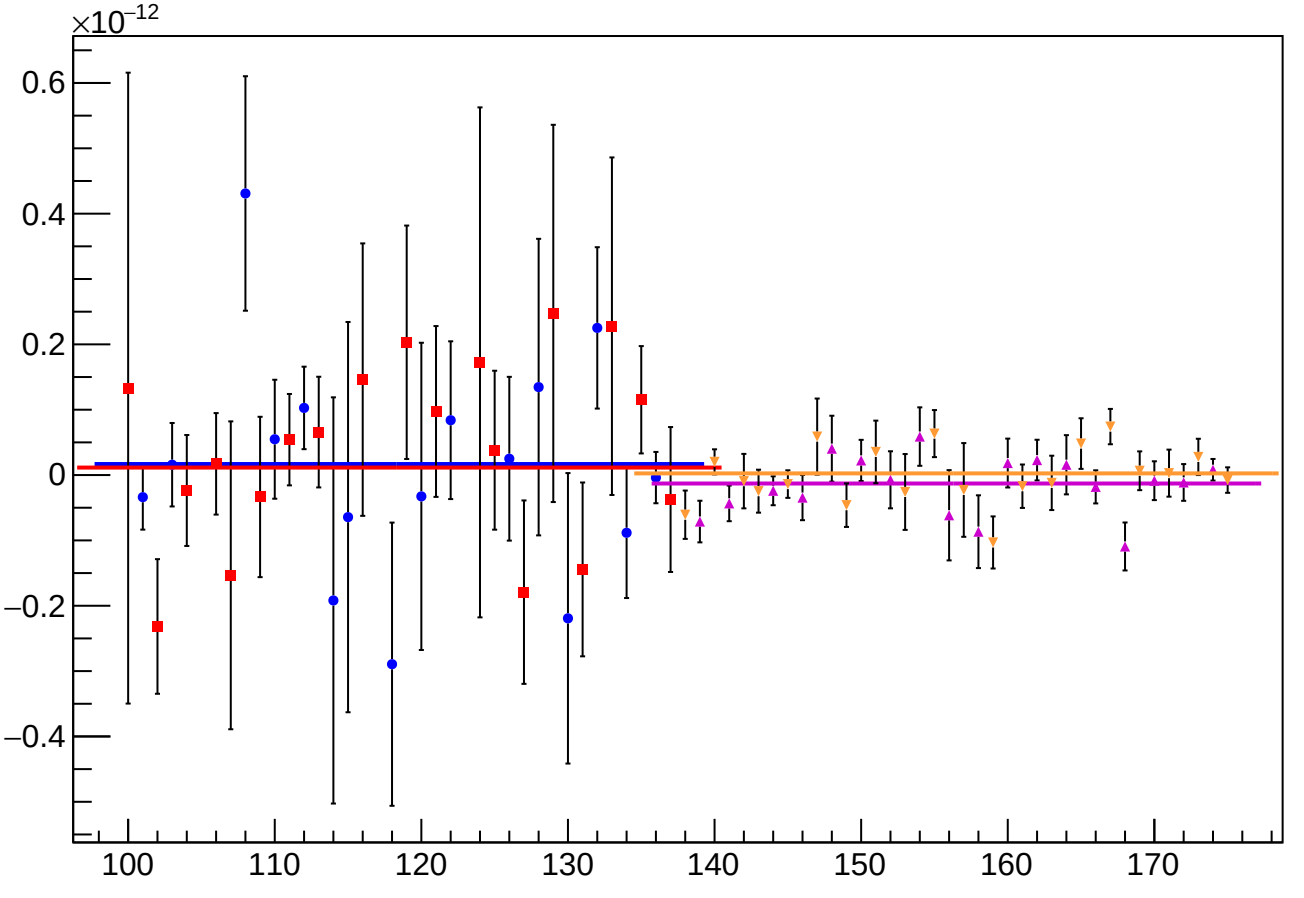
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 788.728+/-0.148 χ^2/NDF:1021435.7/17

+ sign 853.004+/-0.130 χ^2/NDF: 2926456.8/35

All: 848.816+/-0.092 χ^2/NDF: 5821377.7/72

- sign 844.572+/-0.131 χ^2/NDF: 2892837.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.9/19

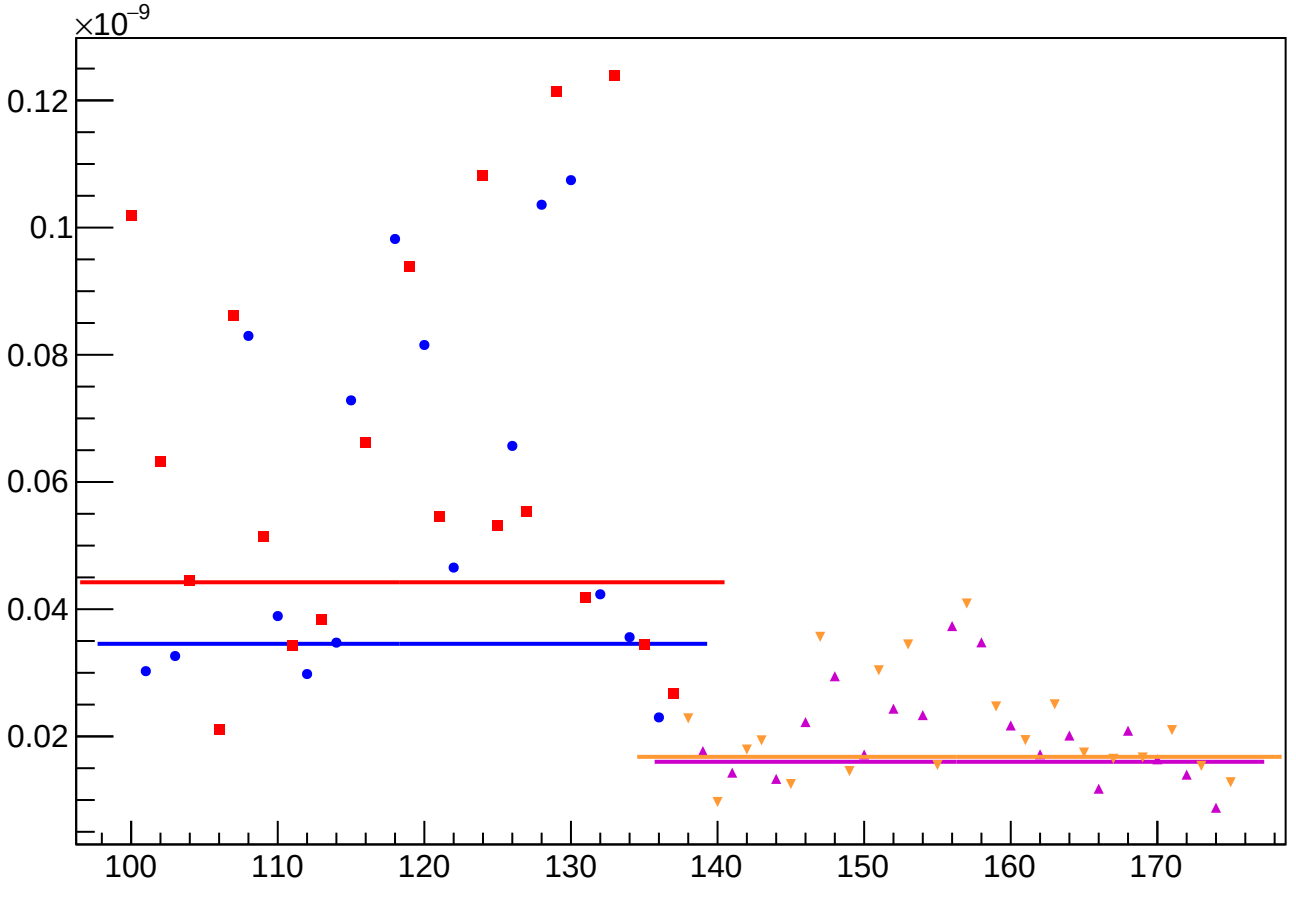
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:23.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 46.2/35

All: -0.000+/-0.000 χ^2/NDF: 88.7/72

- sign -0.000+/-0.000 χ^2/NDF: 40.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1505340.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

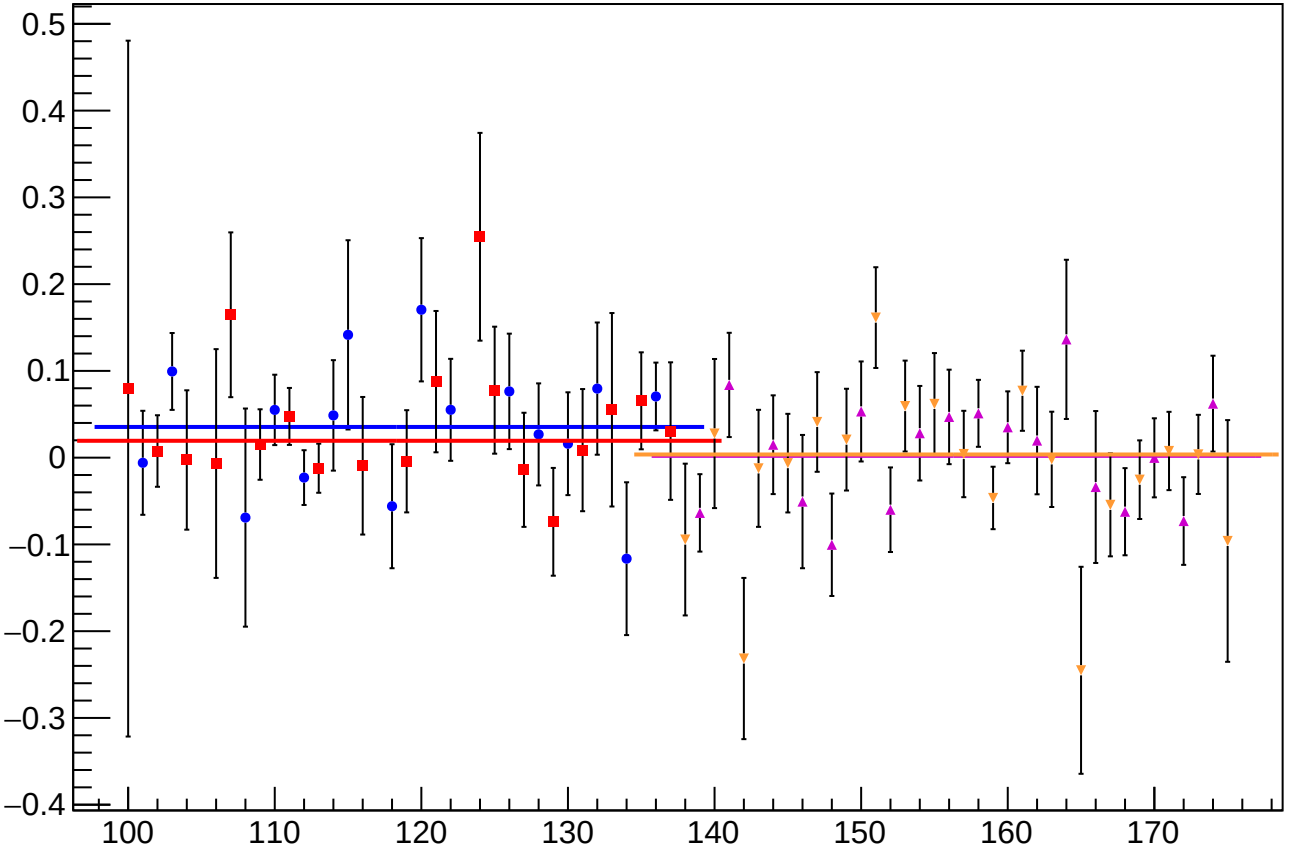
Left In: 0.000+/-0.000 χ^2/NDF:1348218.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 3894712.2/35

All: 0.000+/-0.000 χ^2/NDF: 8373375.0/72

- sign 0.000+/-0.000 χ^2/NDF: 4472849.8/36

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.6/19

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

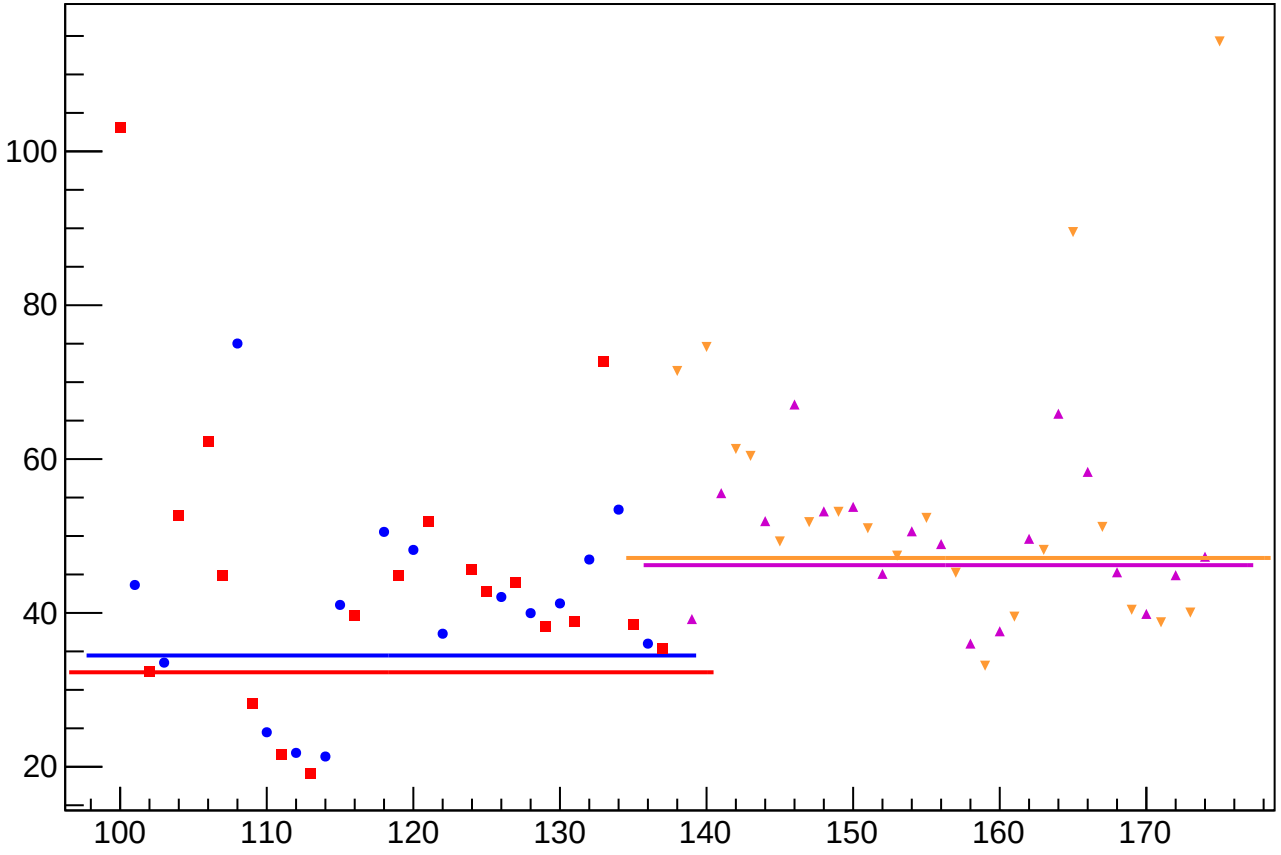
Left In: 0.002+/-0.013 χ^2/NDF:20.6/17

+ sign 0.018+/-0.009 χ^2/NDF: 48.4/35

All: 0.014+/-0.007 χ^2/NDF: 83.6/72

- sign 0.010+/-0.009 χ^2/NDF: 34.8/36

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.146+/-0.009 χ^2/NDF:1792321.8/19

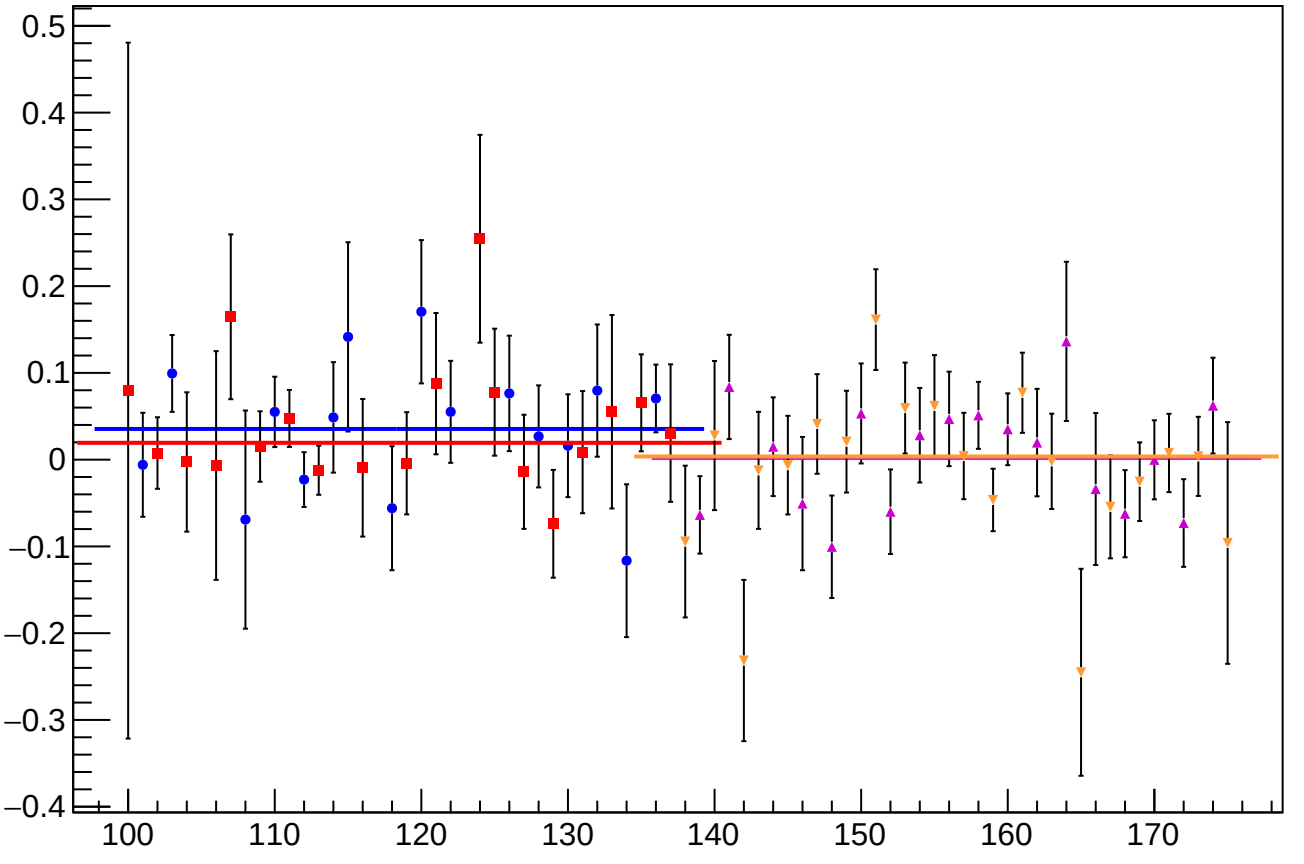
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.210+/-0.009 χ^2/NDF:751415.2/17

+ sign 41.423+/-0.007 χ^2/NDF: 3877491.5/35

All: 40.453+/-0.005 χ^2/NDF: 7515809.2/72

- sign 39.532+/-0.006 χ^2/NDF: 3596181.3/36



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.6/19

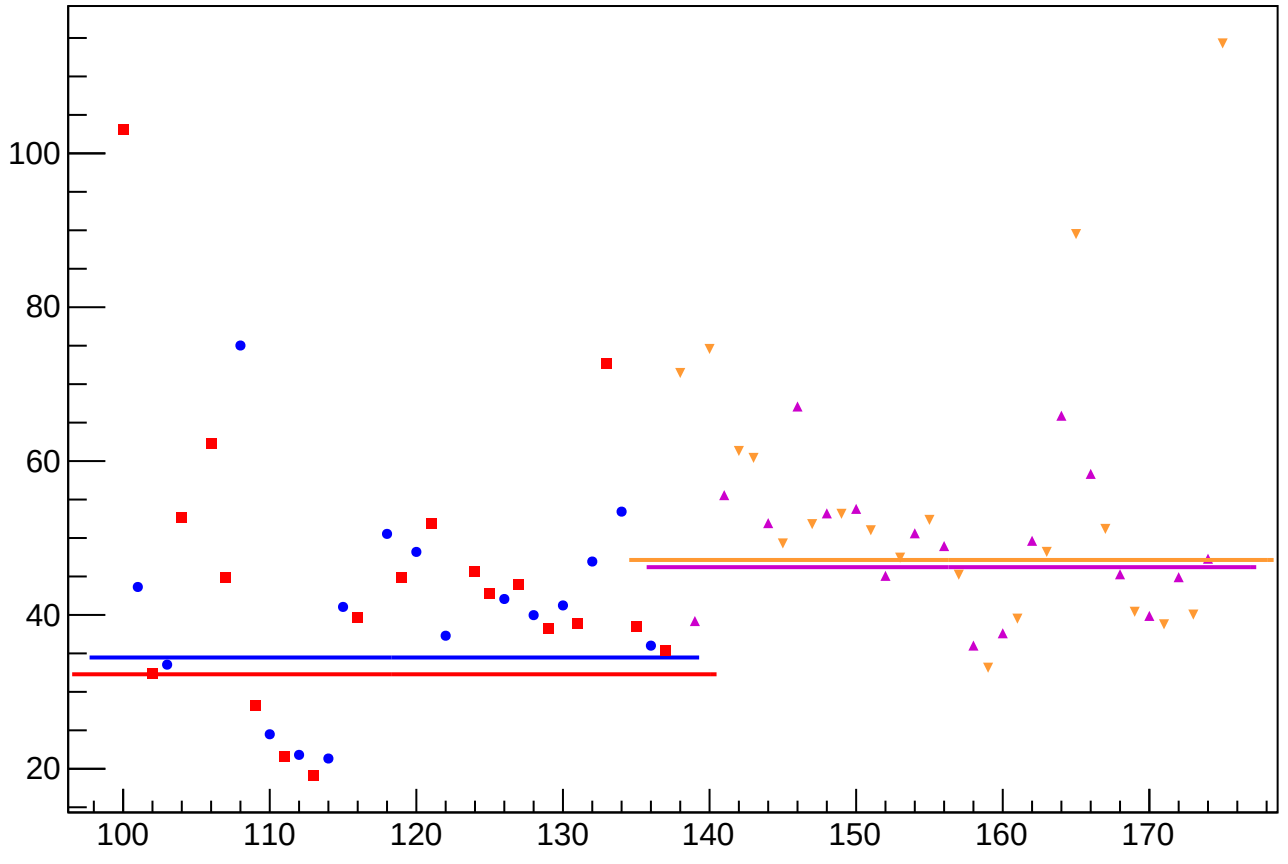
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.002+/-0.013 χ^2/NDF:20.6/17

+ sign 0.018+/-0.009 χ^2/NDF: 48.4/35

All: 0.014+/-0.007 χ^2/NDF: 83.6/72

- sign 0.010+/-0.009 χ^2/NDF: 34.8/36



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.146+/-0.009 χ^2/NDF:1792321.8/19

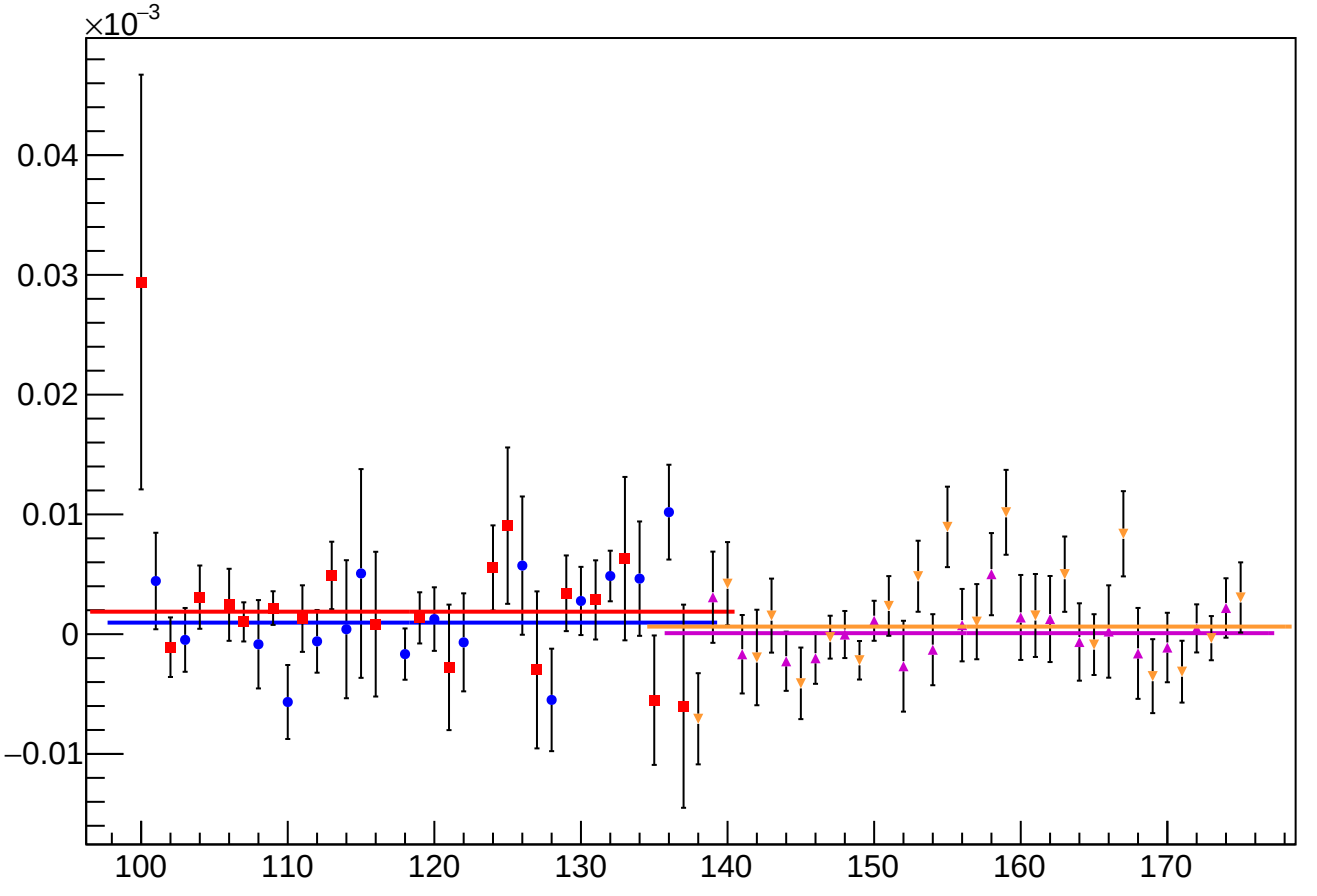
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.210+/-0.009 χ^2/NDF:751415.2/17

+ sign 41.423+/-0.007 χ^2/NDF: 3877491.5/35

All: 40.453+/-0.005 χ^2/NDF: 7515809.2/72

- sign 39.532+/-0.006 χ^2/NDF: 3596181.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.4/19

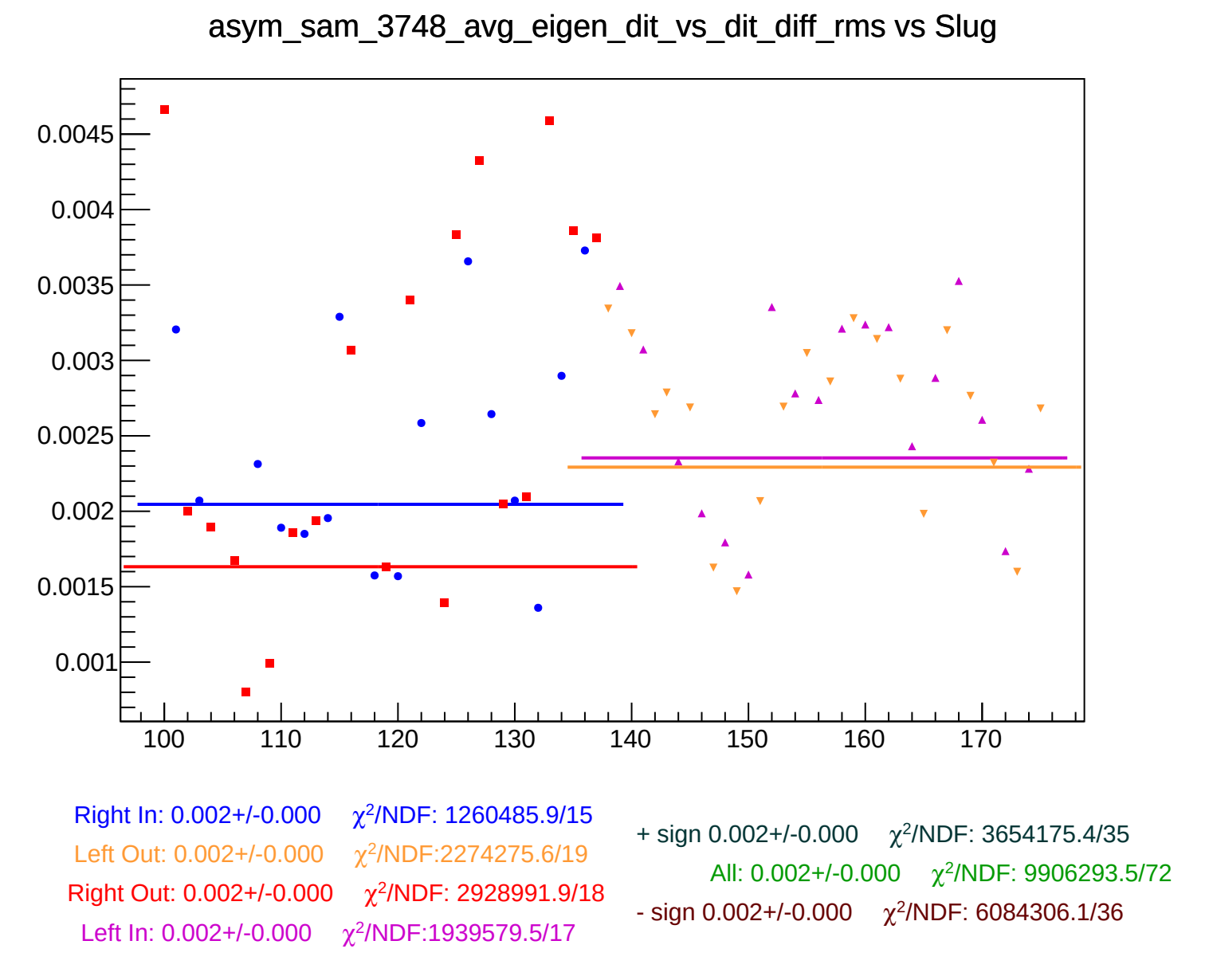
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

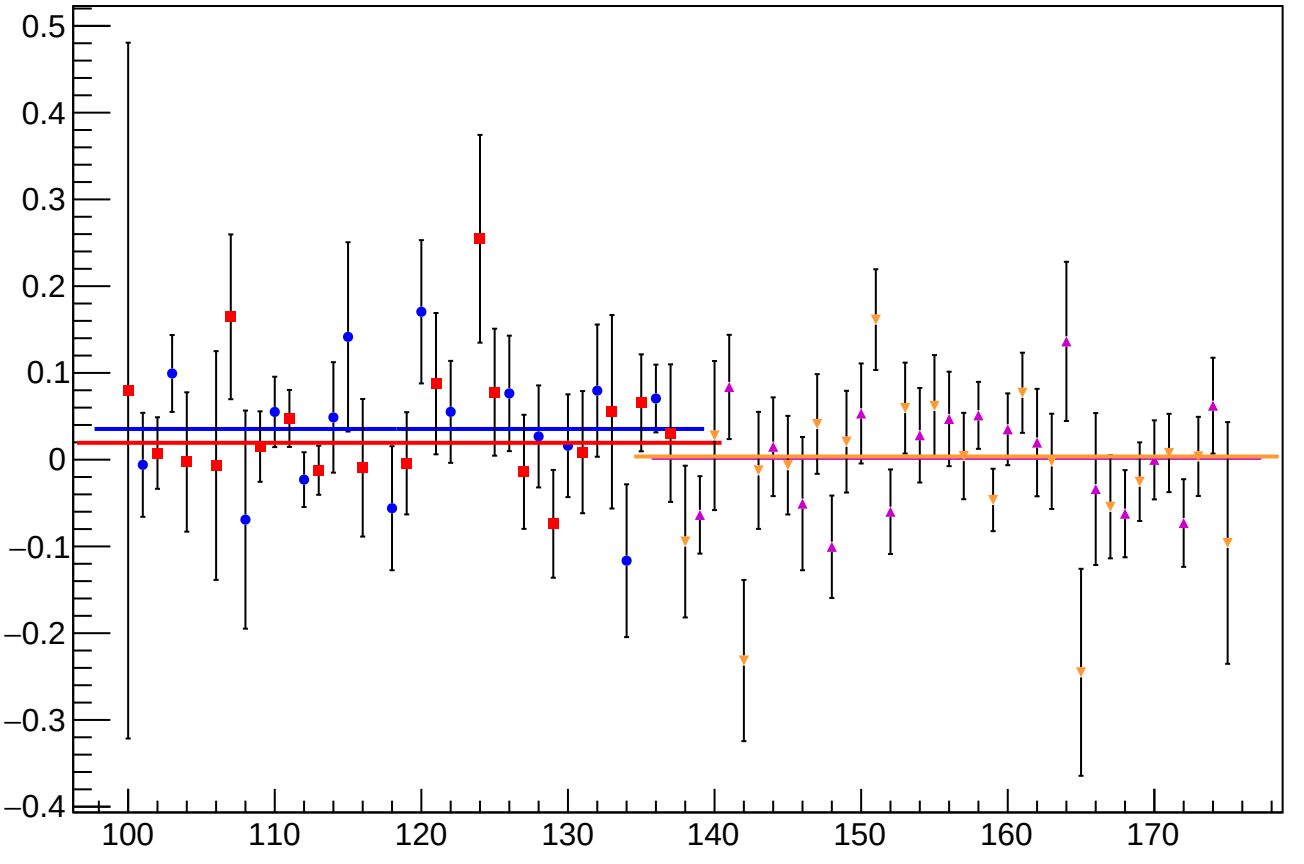
Left In: 0.000+/-0.000 χ^2/NDF:7.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 60.4/35

All: 0.000+/-0.000 χ^2/NDF: 84.5/72

- sign 0.000+/-0.000 χ^2/NDF: 24.1/36


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:2274275.6/19
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:1939579.5/17
+ sign 0.002+/-0.000 χ²/NDF: 3654175.4/35
All: 0.002+/-0.000 χ²/NDF: 9906293.5/72
- sign 0.002+/-0.000 χ²/NDF: 6084306.1/36



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.6/19

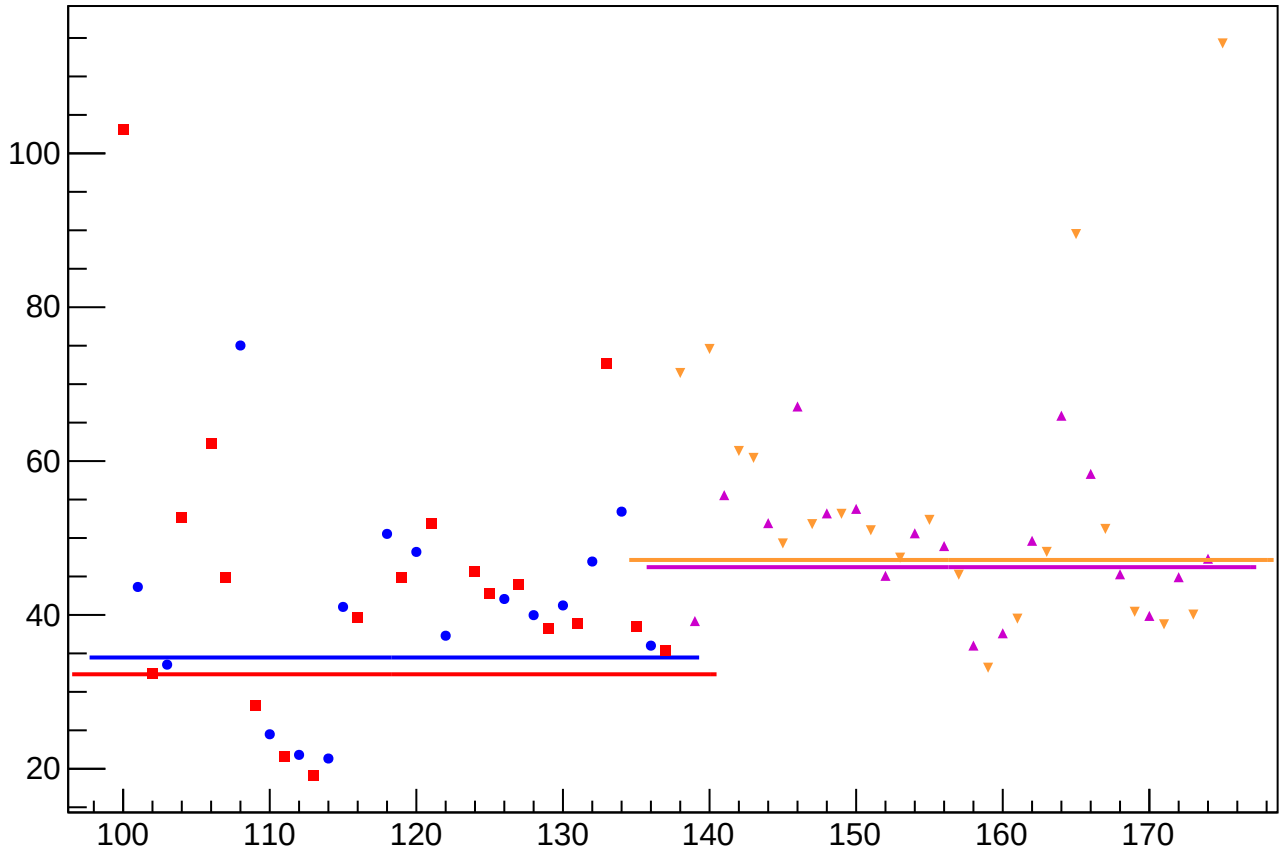
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.002+/-0.013 χ^2/NDF:20.6/17

+ sign 0.018+/-0.009 χ^2/NDF: 48.4/35

All: 0.014+/-0.007 χ^2/NDF: 83.6/72

- sign 0.010+/-0.009 χ^2/NDF: 34.8/36



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.147+/-0.009 χ^2/NDF:1792328.2/19

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

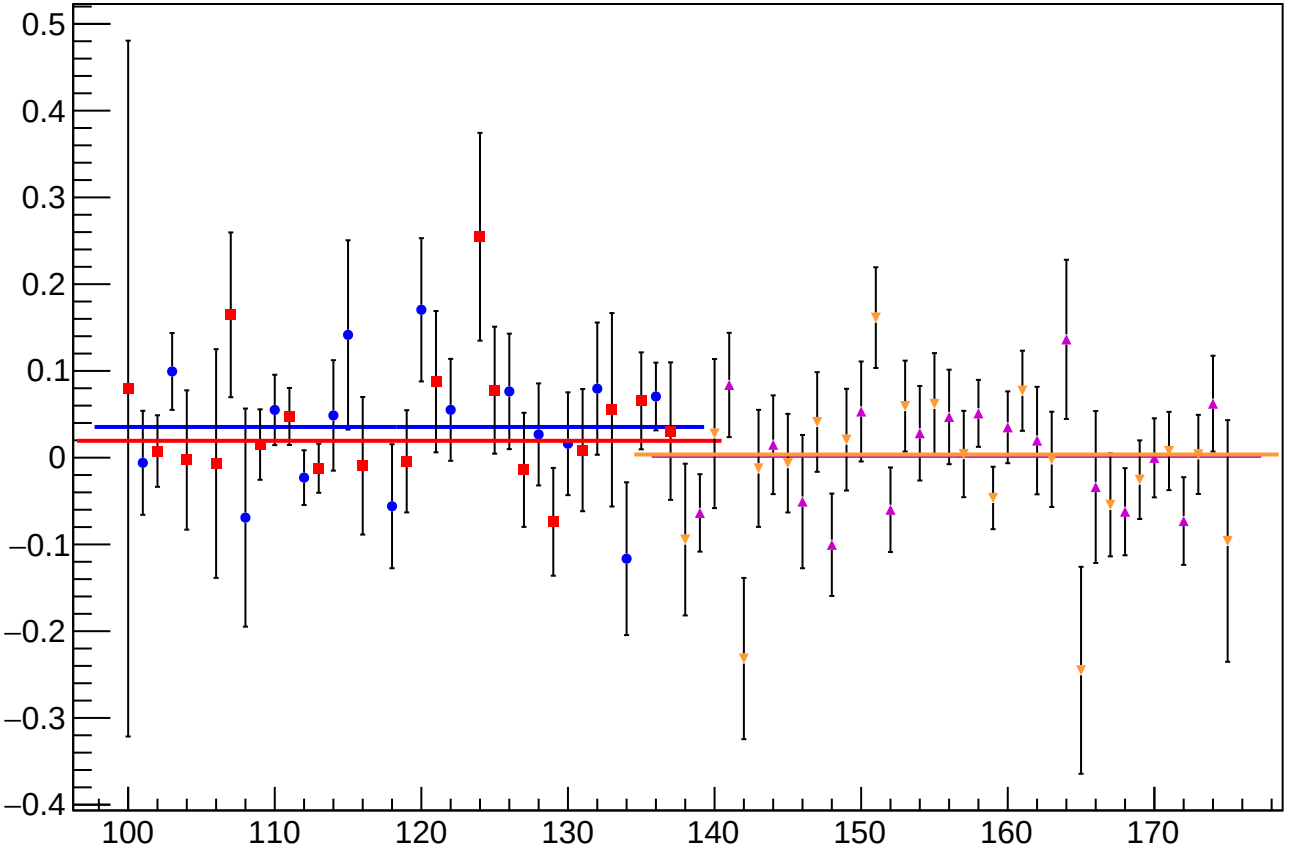
Left In: 46.211+/-0.009 χ^2/NDF:751449.8/17

+ sign 41.424+/-0.007 χ^2/NDF: 3877471.3/35

All: 40.453+/-0.005 χ^2/NDF: 7515796.2/72

- sign 39.533+/-0.006 χ^2/NDF: 3596188.7/36

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.6/19

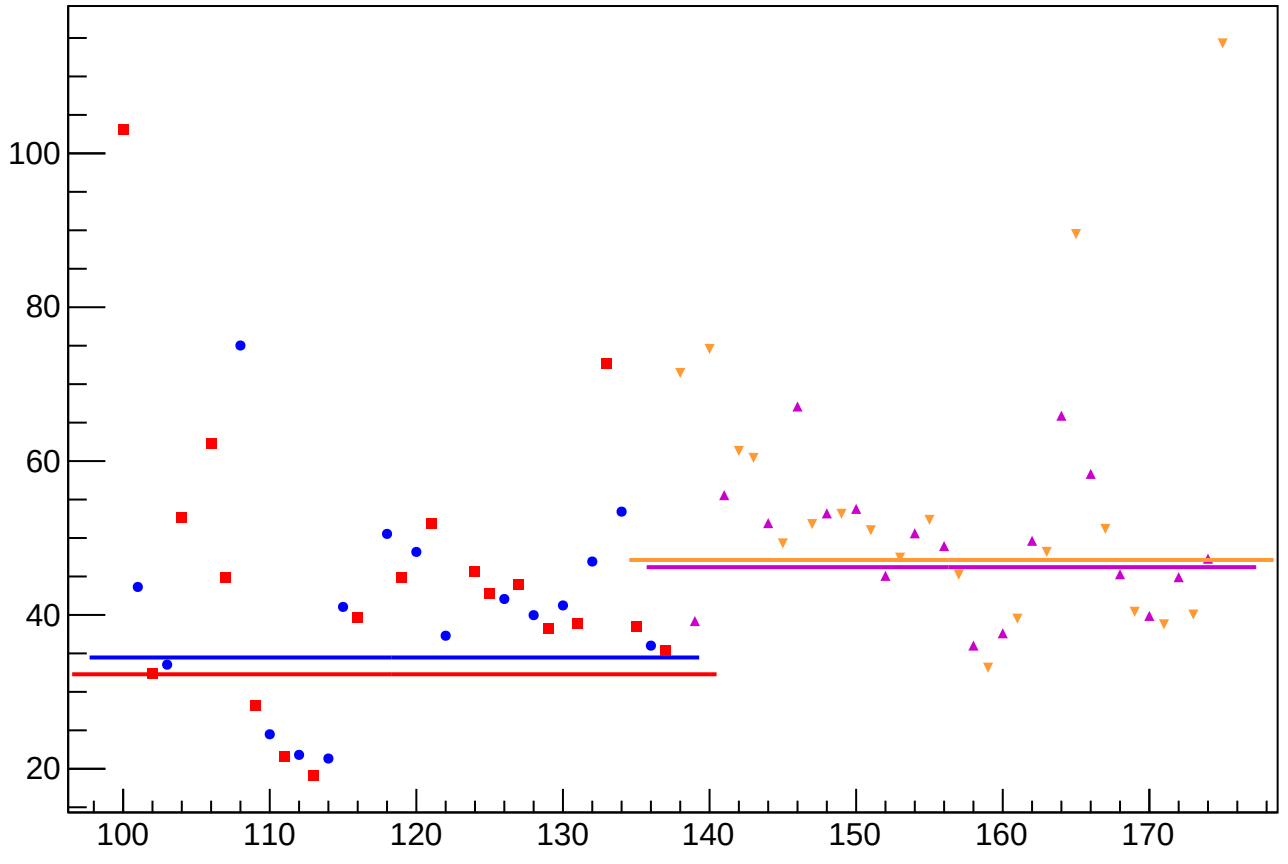
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.002+/-0.013 χ^2/NDF:20.6/17

+ sign 0.018+/-0.009 χ^2/NDF: 48.4/35

All: 0.014+/-0.007 χ^2/NDF: 83.6/72

- sign 0.010+/-0.009 χ^2/NDF: 34.8/36



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.147+/-0.009 χ^2/NDF:1792328.2/19

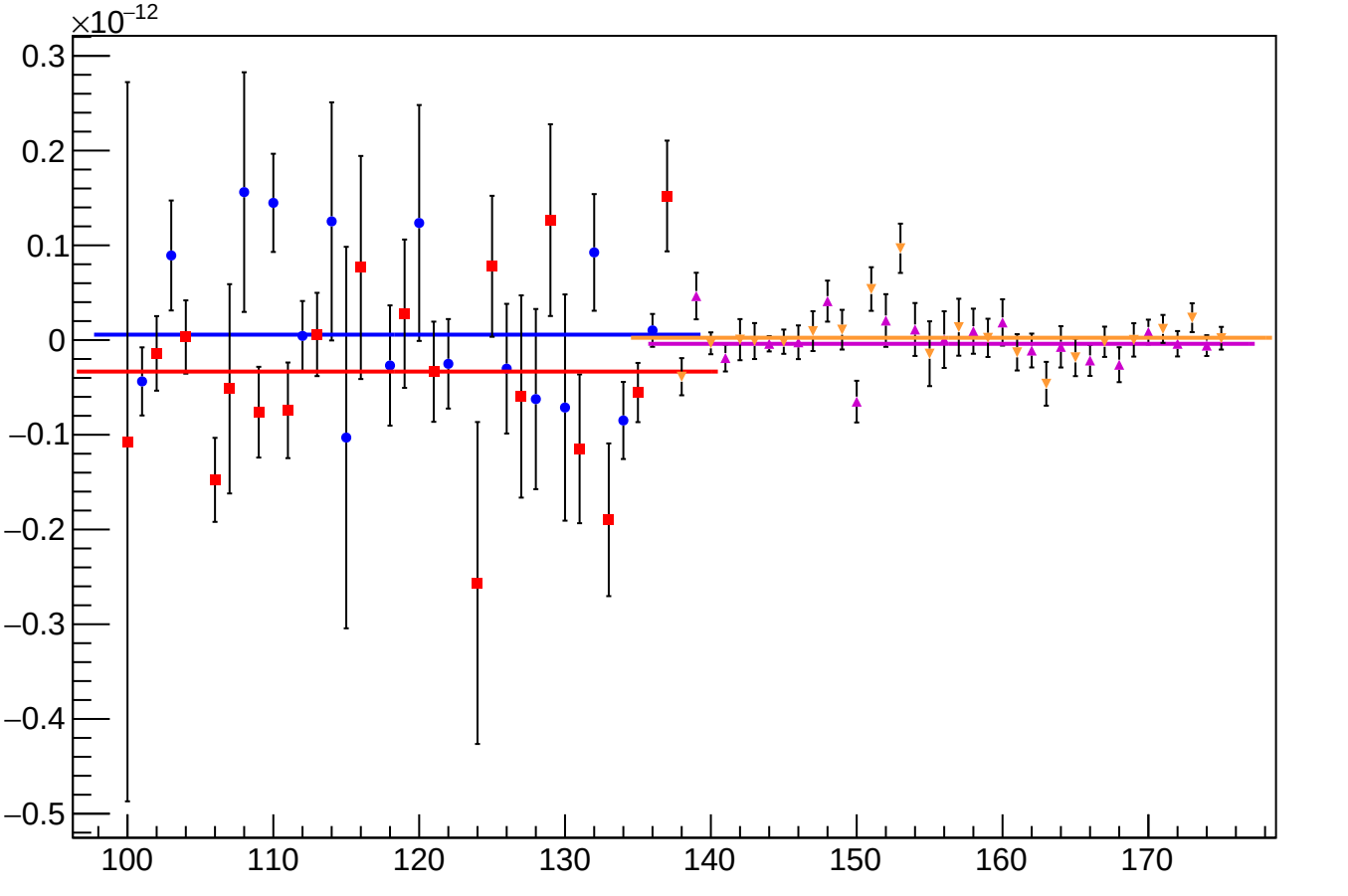
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.211+/-0.009 χ^2/NDF:751449.8/17

+ sign 41.424+/-0.007 χ^2/NDF: 3877471.3/35

All: 40.453+/-0.005 χ^2/NDF: 7515796.2/72

- sign 39.533+/-0.006 χ^2/NDF: 3596188.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/19

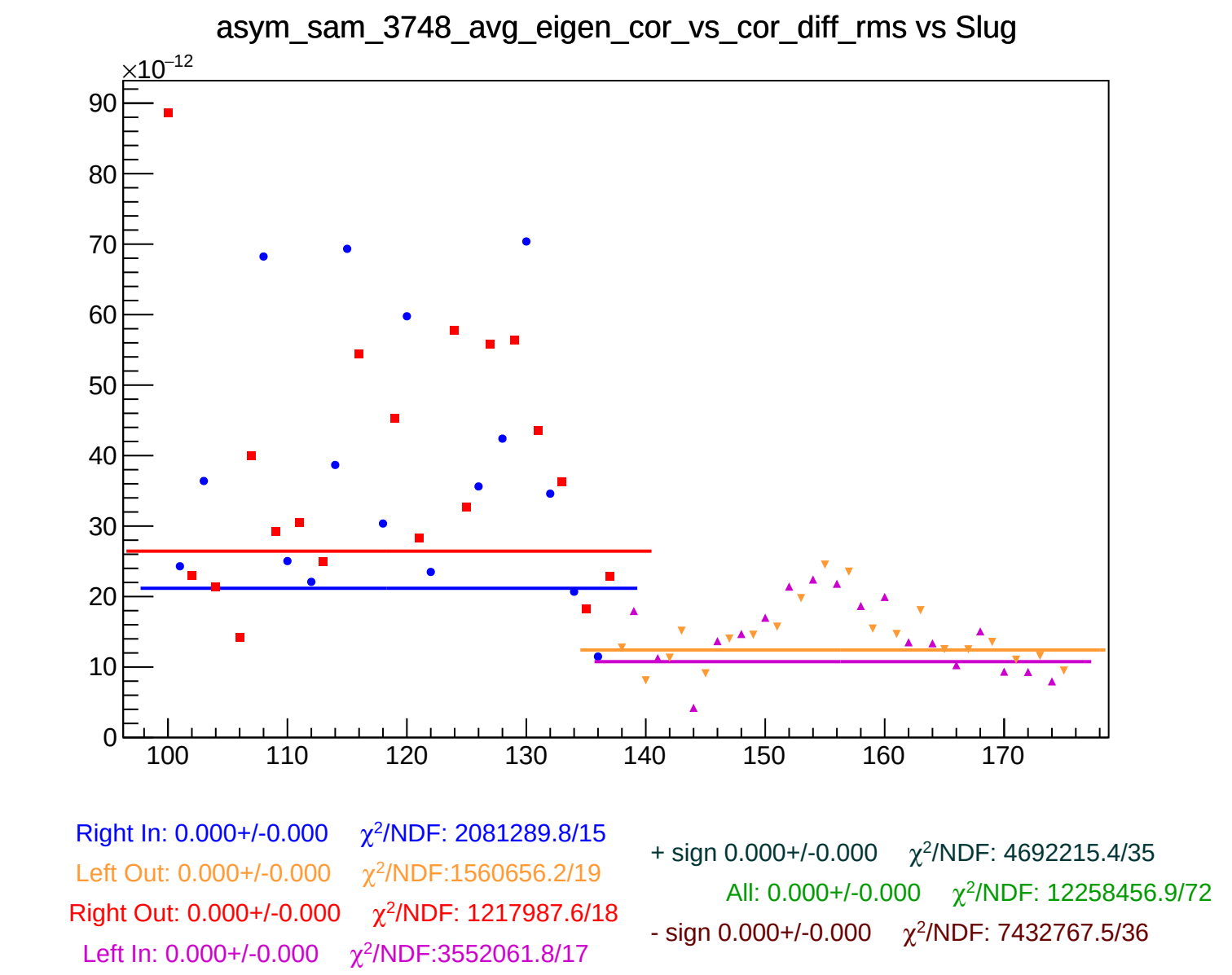
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:23.3/17

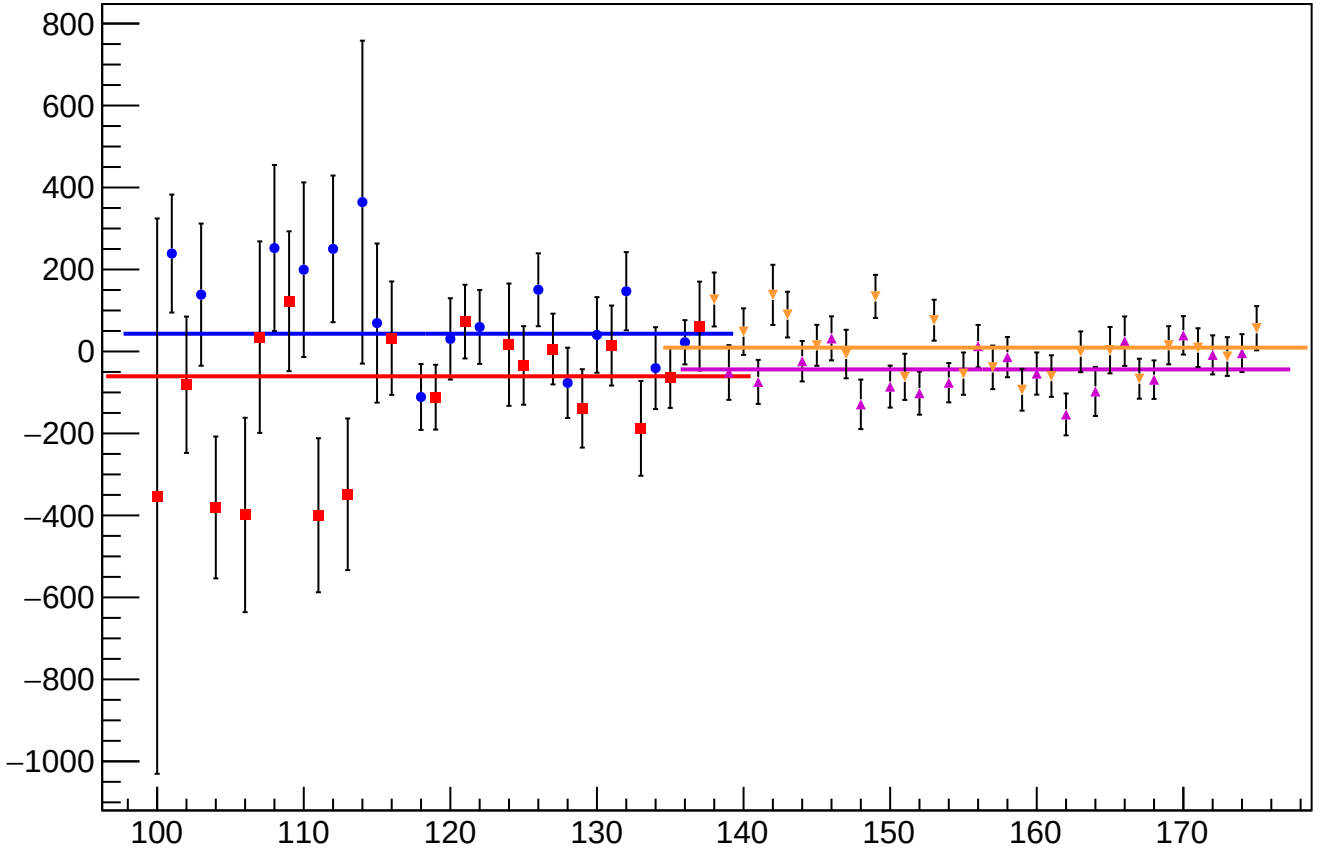
+ sign 0.000+/-0.000 χ^2/NDF: 55.9/35

All: -0.000+/-0.000 χ^2/NDF: 120.3/72

- sign -0.000+/-0.000 χ^2/NDF: 61.5/36


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1560656.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3552061.8/17
+ sign 0.000+/-0.000 χ²/NDF: 4692215.4/35
All: 0.000+/-0.000 χ²/NDF: 12258456.9/72
- sign 0.000+/-0.000 χ²/NDF: 7432767.5/36

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 9.406+/-11.825 χ^2/NDF:29.7/19

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

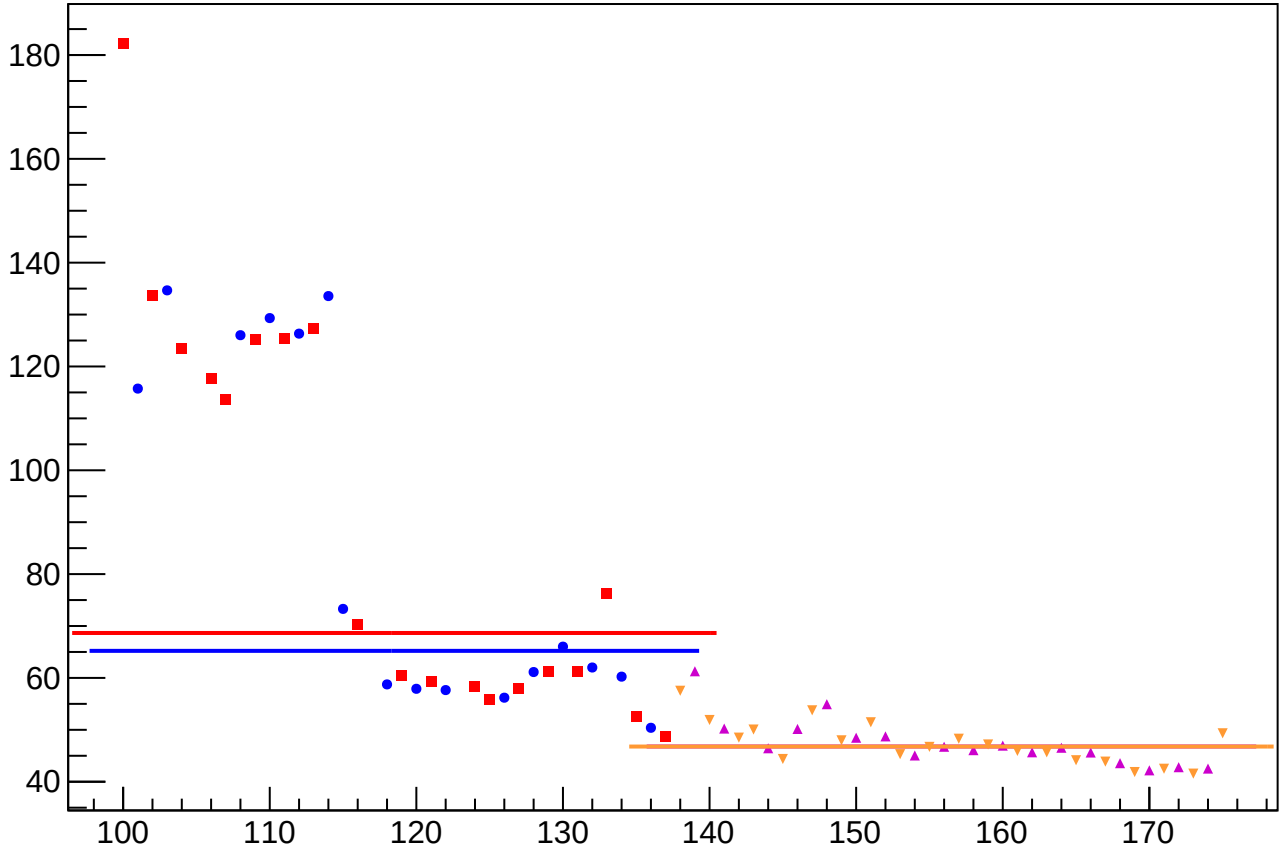
Left In: -43.781+/-12.220 χ^2/NDF:19.9/17

+ sign 15.288+/-10.748 χ^2/NDF: 46.1/35

All: -14.615+/-7.730 χ^2/NDF: 102.7/72

- sign -46.656+/-11.125 χ^2/NDF: 40.6/36

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 46.777+/-0.008 χ^2/NDF:208683.9/19

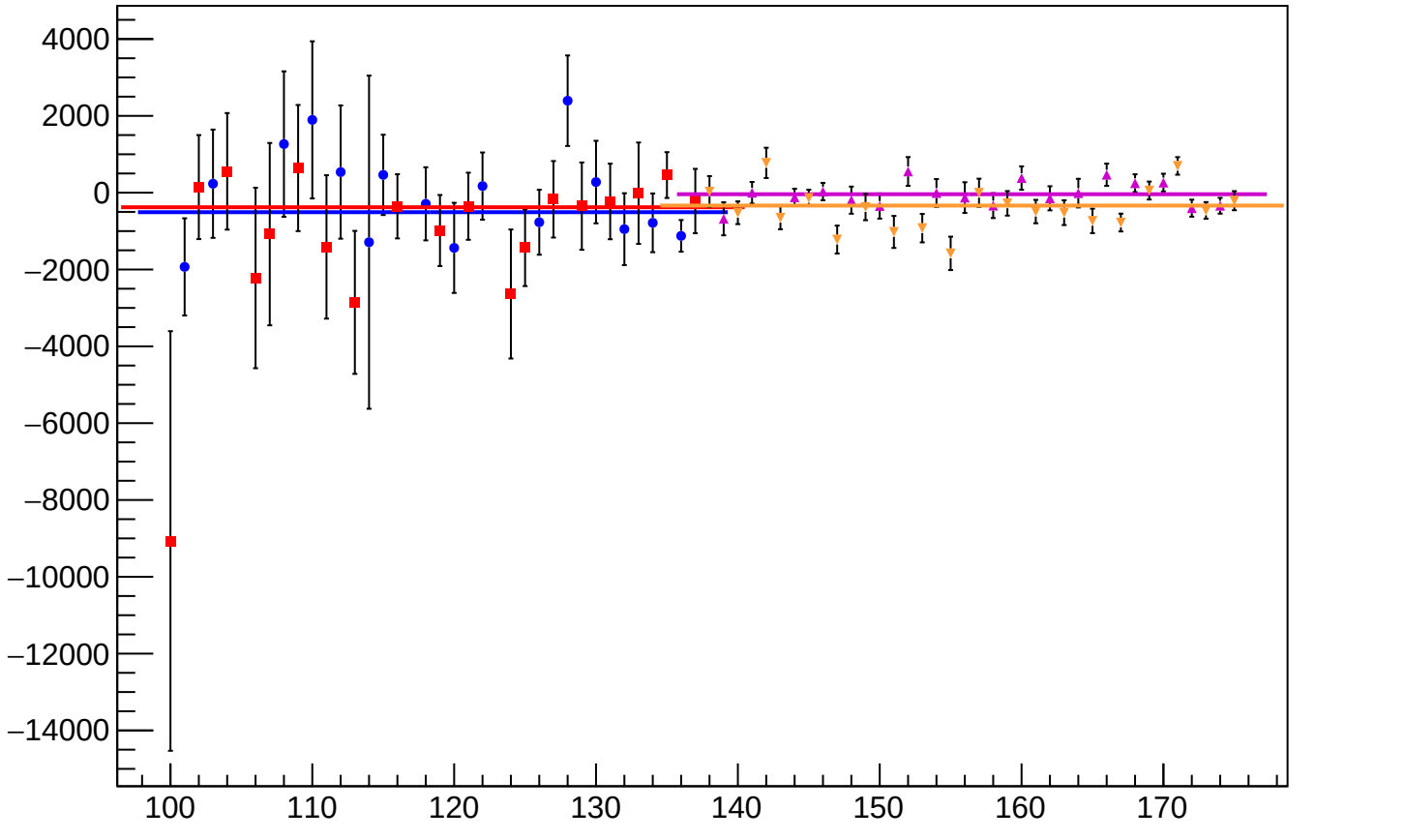
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 46.786+/-0.009 χ^2/NDF:216189.4/17

+ sign 49.981+/-0.008 χ^2/NDF: 2500125.2/35

All: 50.246+/-0.005 χ^2/NDF: 5455921.4/72

- sign 50.529+/-0.008 χ^2/NDF: 2953290.1/36



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -335.710+/-65.560 χ^2/NDF:60.9/19

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

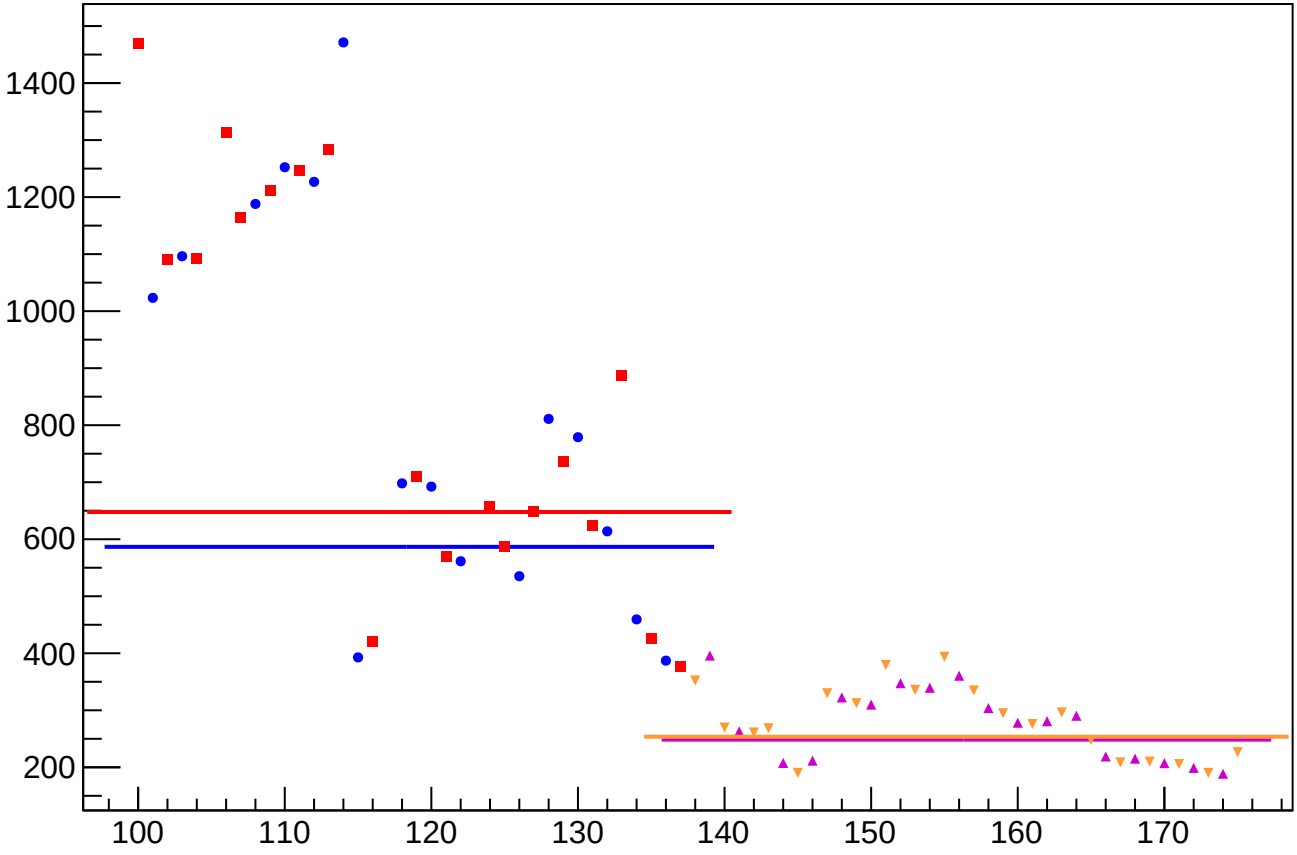
Left In: -39.944+/-66.363 χ^2/NDF:20.1/17

+ sign -347.957+/-63.186 χ^2/NDF: 77.0/35

All: -206.975+/-45.049 χ^2/NDF: 120.6/72

- sign -61.224+/-64.246 χ^2/NDF: 33.5/36

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 253.639+/-0.046 χ^2/NDF:1549046.3/19

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

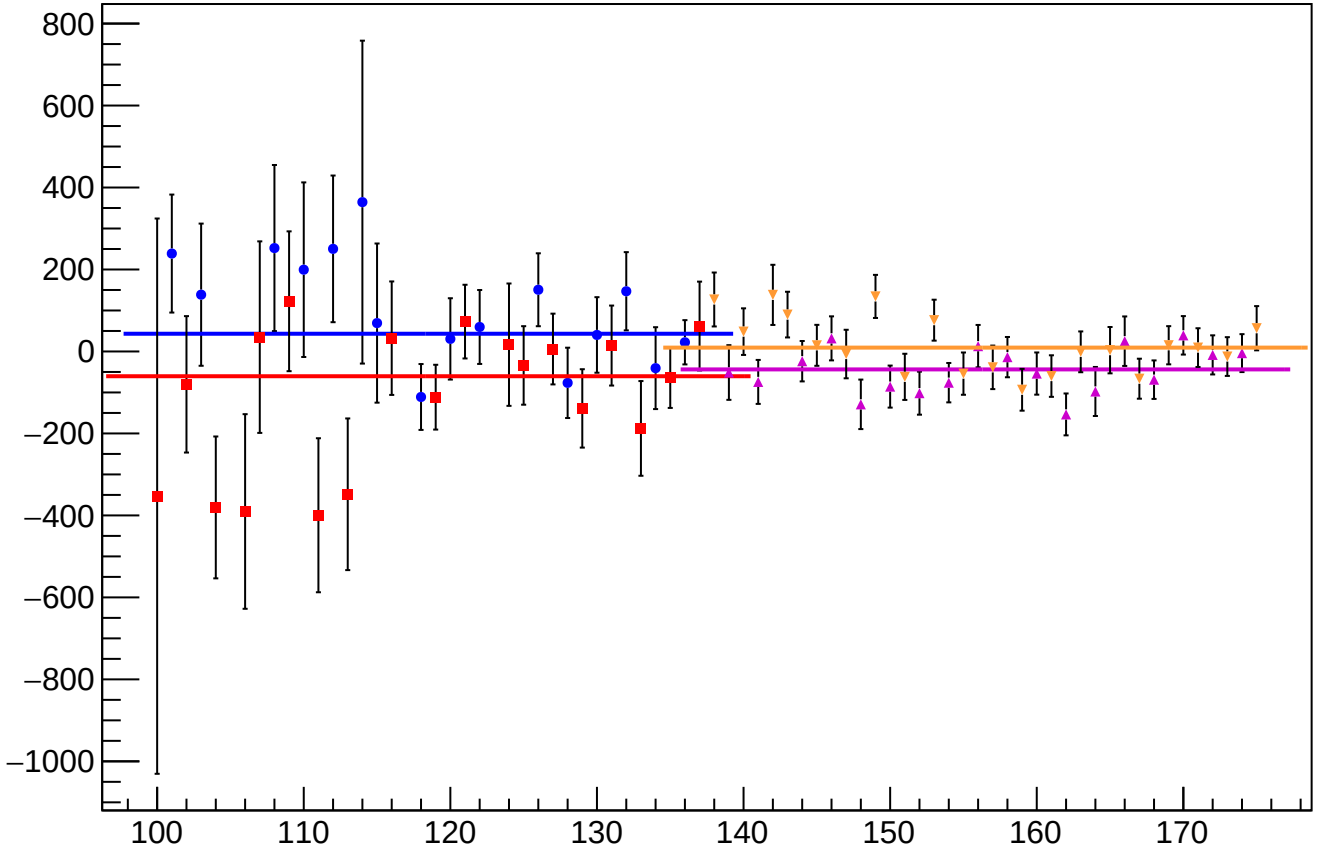
Left In: 248.525+/-0.047 χ^2/NDF:1459861.9/17

+ sign 277.320+/-0.045 χ^2/NDF: 7271648.2/35

All: 275.485+/-0.032 χ^2/NDF: 15384354.9/72

- sign 273.588+/-0.045 χ^2/NDF: 8109275.1/36

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 9.407+/-11.825 χ^2/NDF:29.7/19

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

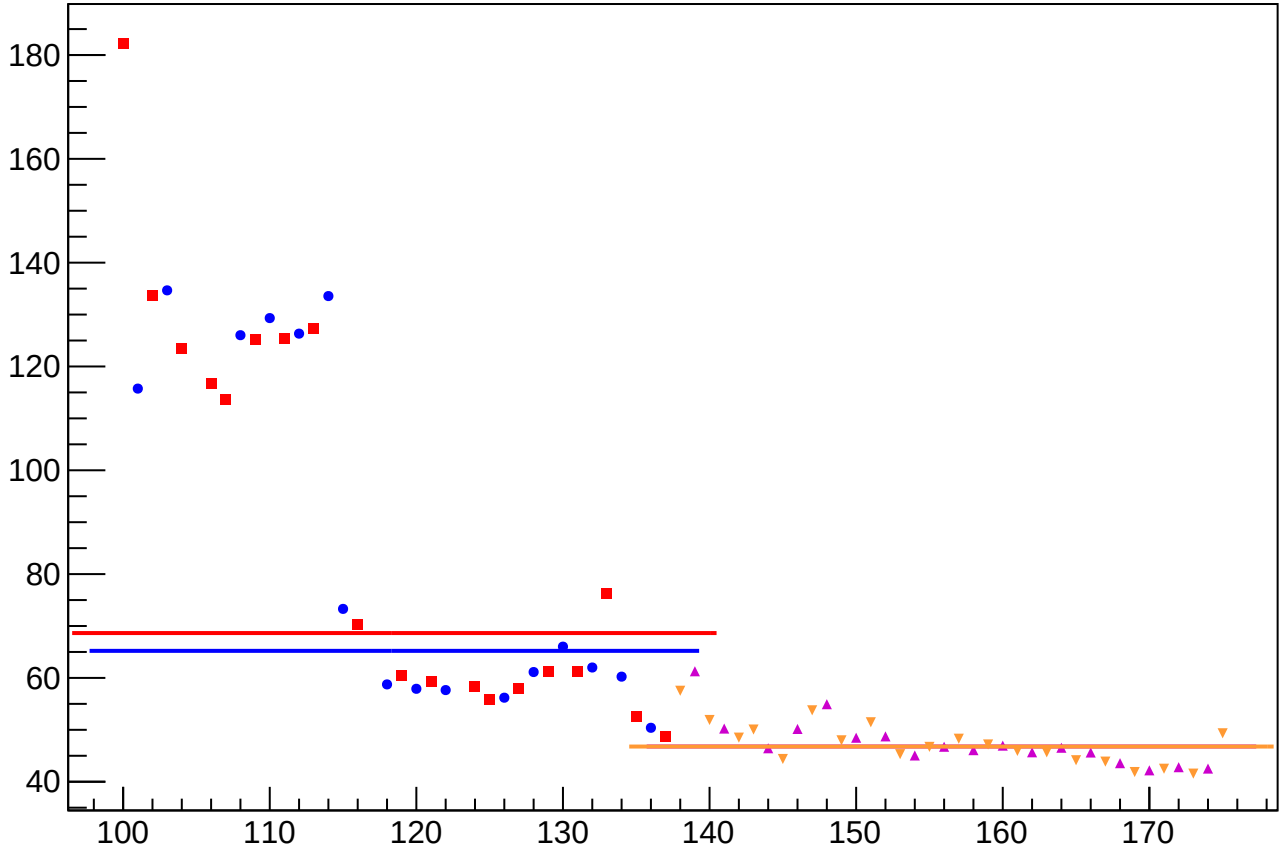
Left In: -43.779+/-12.220 χ^2/NDF:19.9/17

+ sign 15.287+/-10.748 χ^2/NDF: 46.1/35

All: -14.602+/-7.730 χ^2/NDF: 102.6/72

- sign -46.629+/-11.126 χ^2/NDF: 40.5/36

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.777+/-0.008 χ^2/NDF:208683.9/19

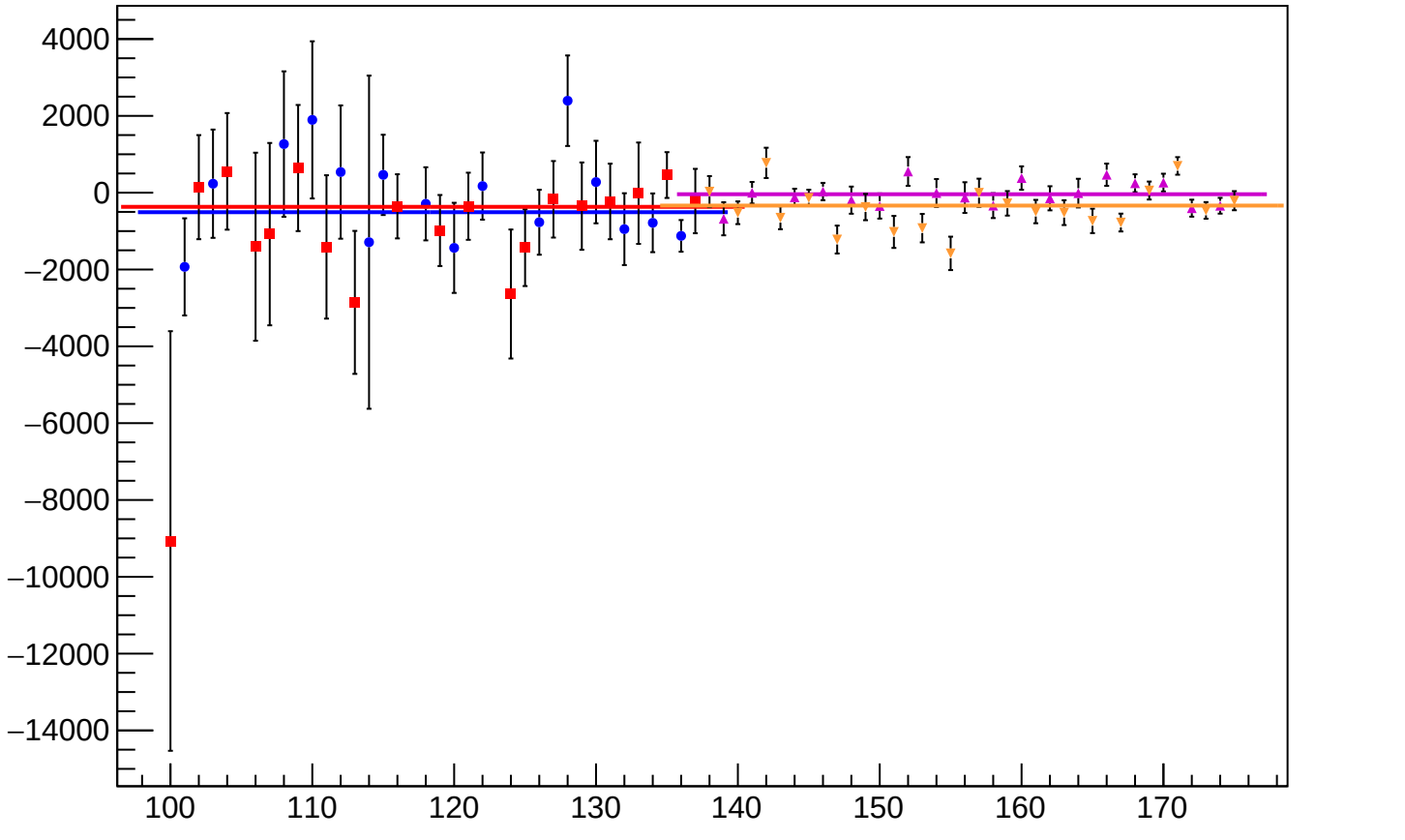
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.786+/-0.009 χ^2/NDF:216189.3/17

+ sign 49.981+/-0.008 χ^2/NDF: 2500127.2/35

All: 50.244+/-0.005 χ^2/NDF: 5451059.5/72

- sign 50.526+/-0.008 χ^2/NDF: 2948450.3/36



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -335.708+/-65.560 χ^2/NDF:60.9/19

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

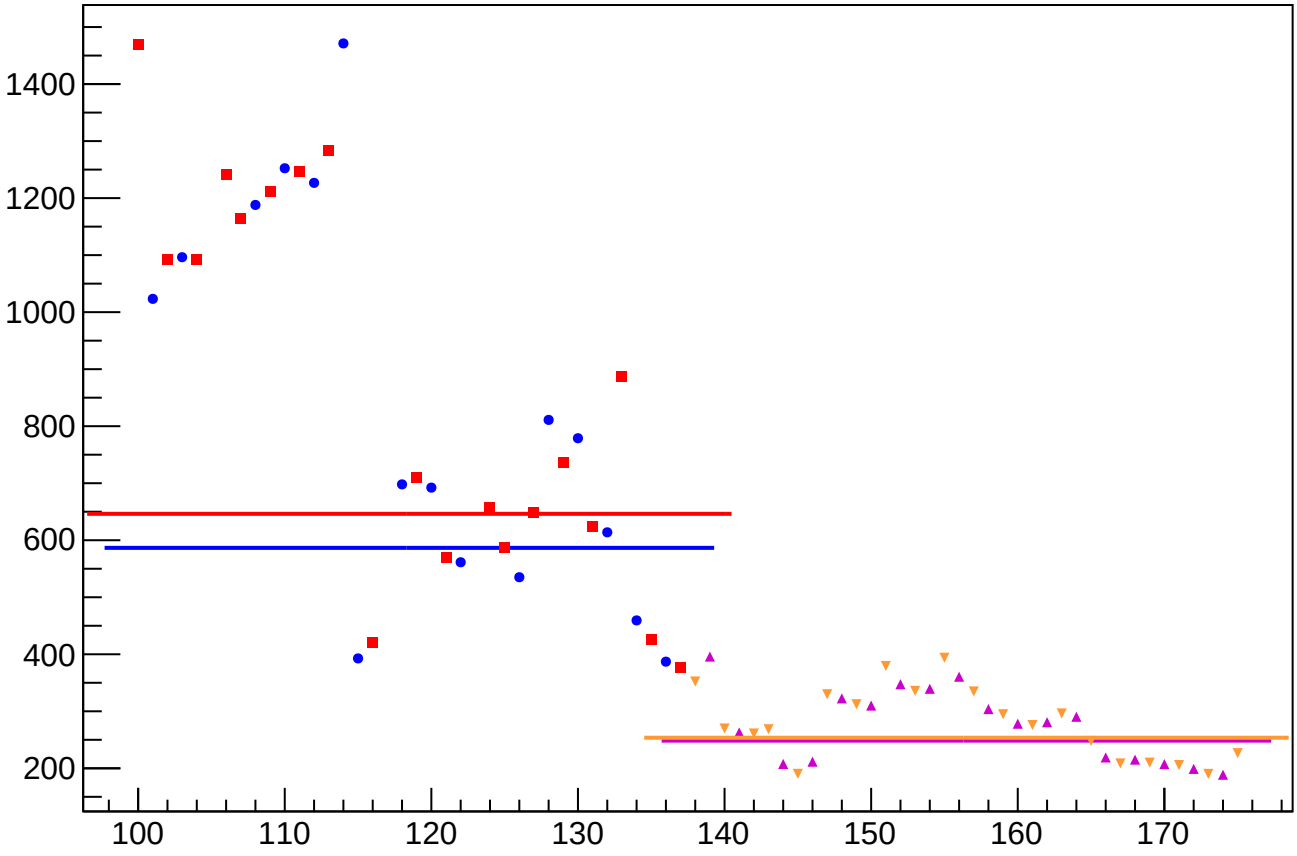
Left In: -39.942+/-66.363 χ^2/NDF:20.1/17

+ sign -347.954+/-63.186 χ^2/NDF: 77.0/35

All: -206.642+/-45.050 χ^2/NDF: 120.1/72

- sign -60.540+/-64.248 χ^2/NDF: 32.9/36

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 253.639+/-0.046 χ^2/NDF:1549055.3/19

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

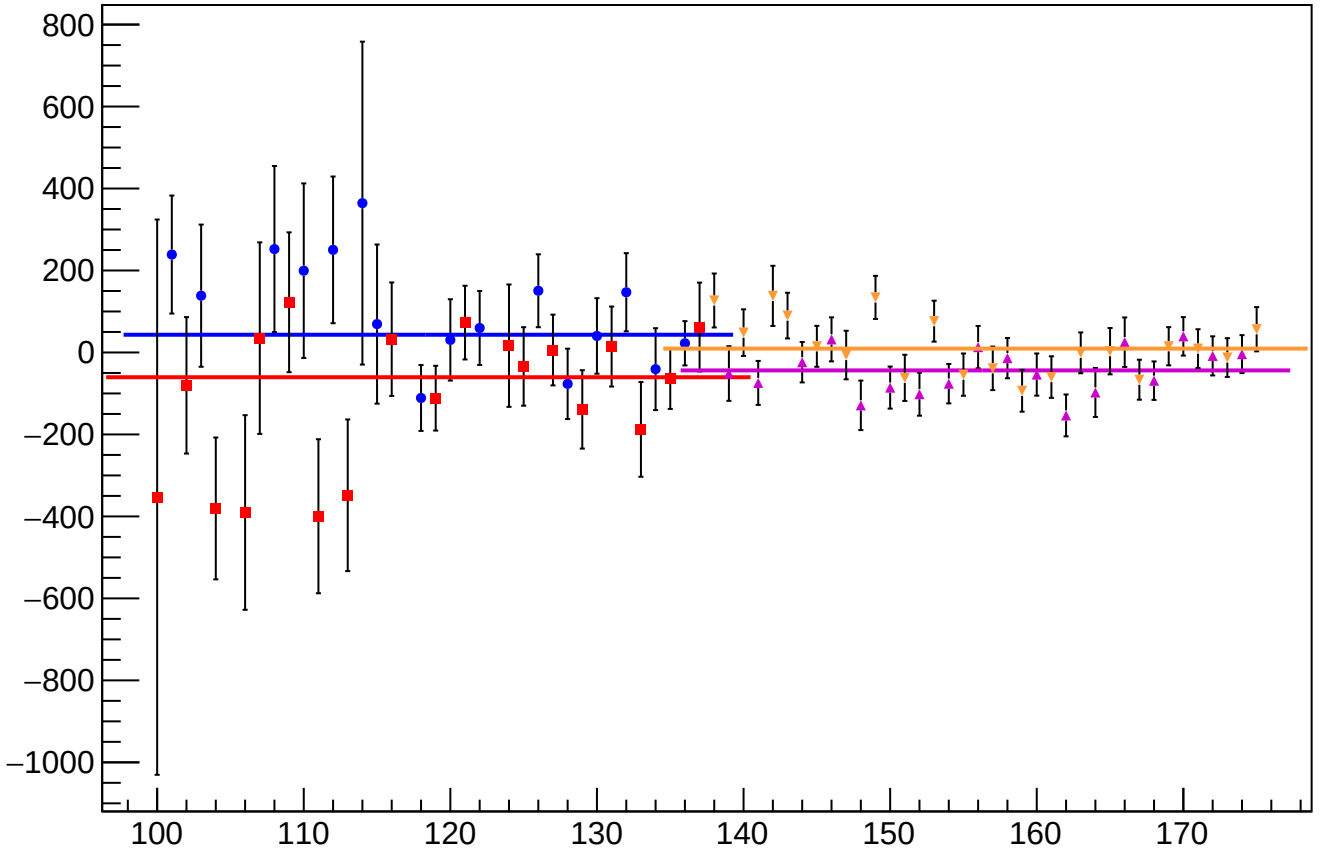
Left In: 248.525+/-0.047 χ^2/NDF:1459857.6/17

+ sign 277.320+/-0.045 χ^2/NDF: 7271683.4/35

All: 275.430+/-0.032 χ^2/NDF: 15305959.3/72

- sign 273.476+/-0.045 χ^2/NDF: 8030637.1/36

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 9.407+/-11.825 χ^2/NDF:29.7/19

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

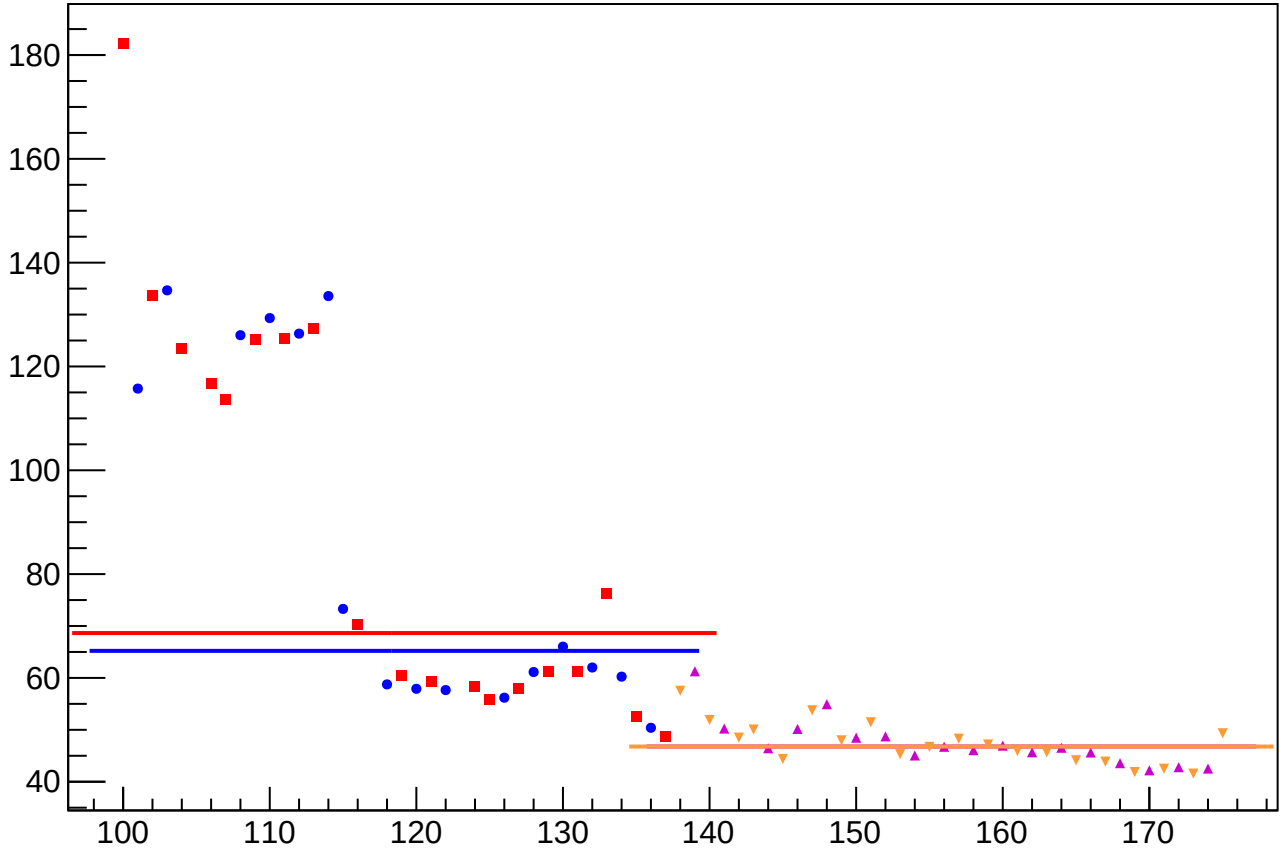
Left In: -43.779+/-12.220 χ^2/NDF:19.9/17

+ sign 15.287+/-10.748 χ^2/NDF: 46.1/35

All: -14.602+/-7.730 χ^2/NDF: 102.6/72

- sign -46.629+/-11.126 χ^2/NDF: 40.5/36

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.777+/-0.008 χ^2/NDF:208683.9/19

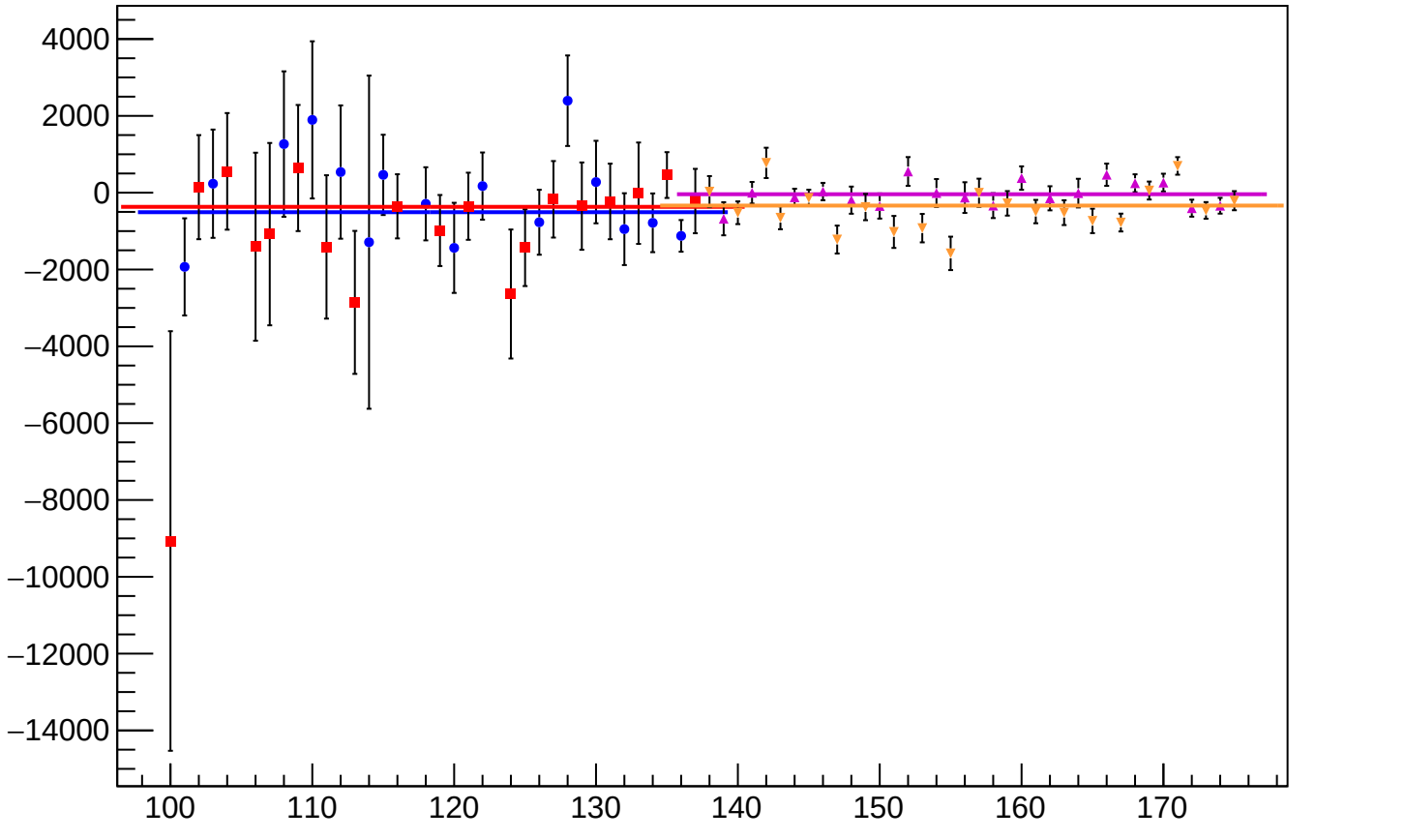
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.786+/-0.009 χ^2/NDF:216189.3/17

+ sign 49.981+/-0.008 χ^2/NDF: 2500127.2/35

All: 50.244+/-0.005 χ^2/NDF: 5451059.5/72

- sign 50.526+/-0.008 χ^2/NDF: 2948450.3/36



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -335.708+/-65.560 χ^2/NDF:60.9/19

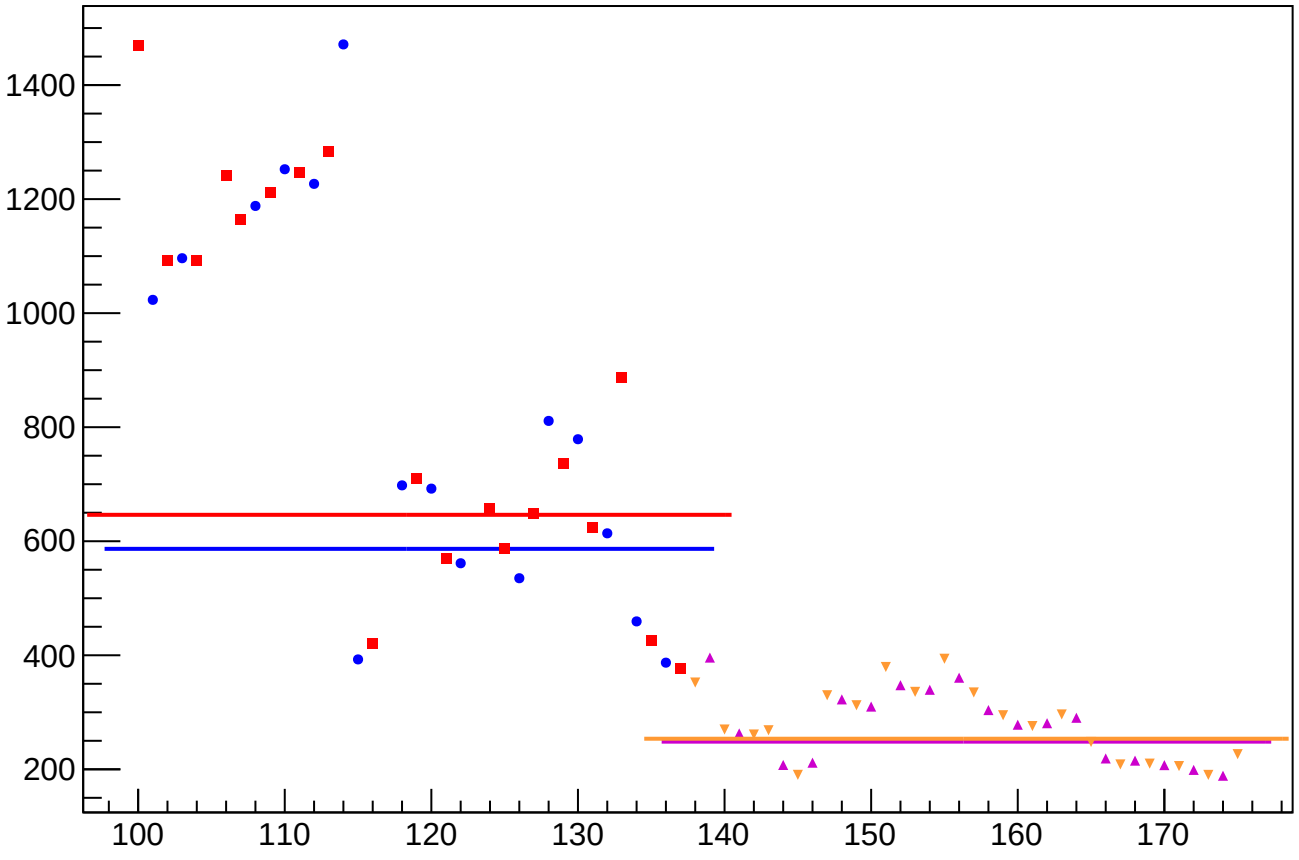
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -39.942+/-66.363 χ^2/NDF:20.1/17

+ sign -347.954+/-63.186 χ^2/NDF: 77.0/35

All: -206.642+/-45.050 χ^2/NDF: 120.1/72

- sign -60.540+/-64.248 χ^2/NDF: 32.9/36



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 253.639+/-0.046 χ^2/NDF:1549055.3/19

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

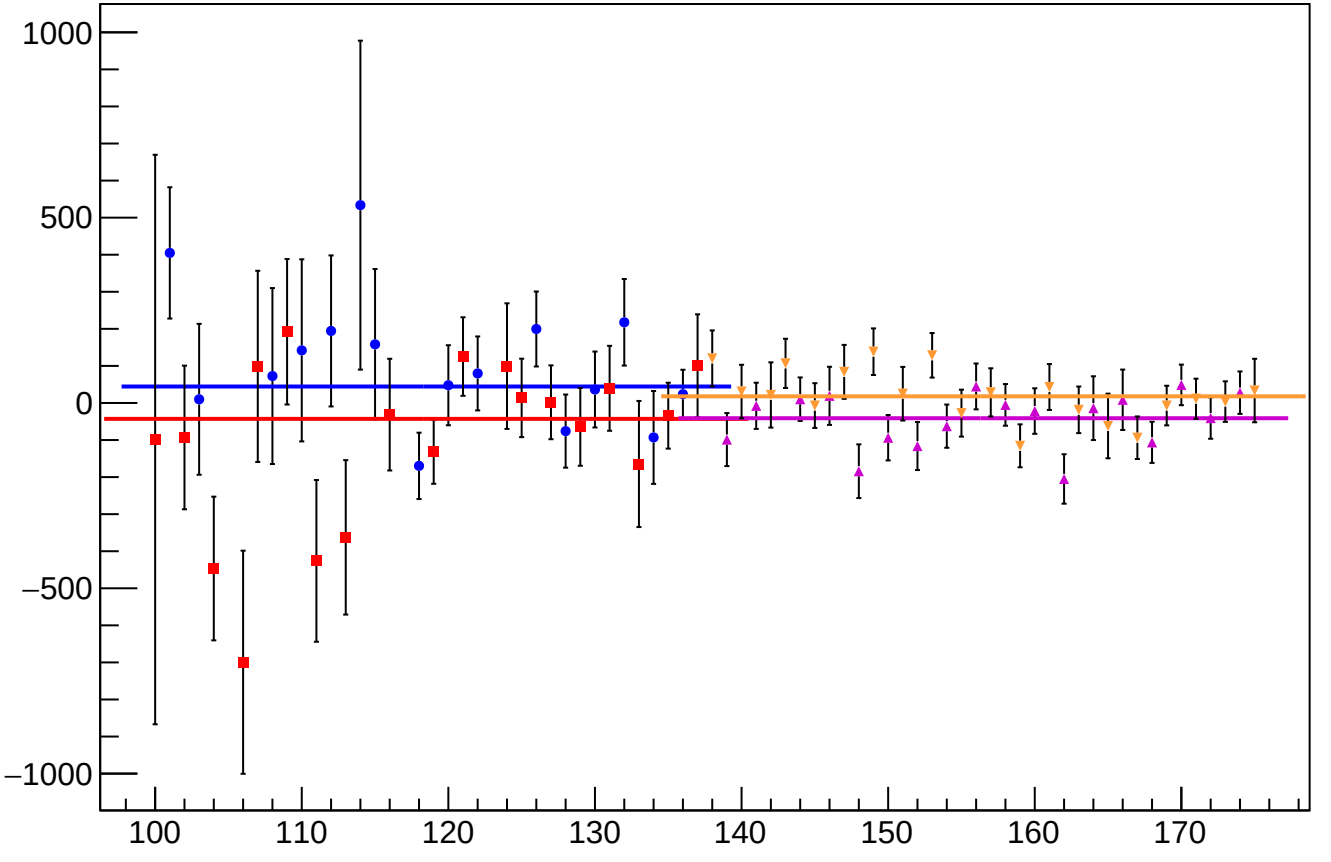
Left In: 248.525+/-0.047 χ^2/NDF:1459857.6/17

+ sign 277.320+/-0.045 χ^2/NDF: 7271683.4/35

All: 275.430+/-0.032 χ^2/NDF: 15305959.3/72

- sign 273.476+/-0.045 χ^2/NDF: 8030637.1/36

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 17.919+/-14.430 χ^2/NDF:23.0/19

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

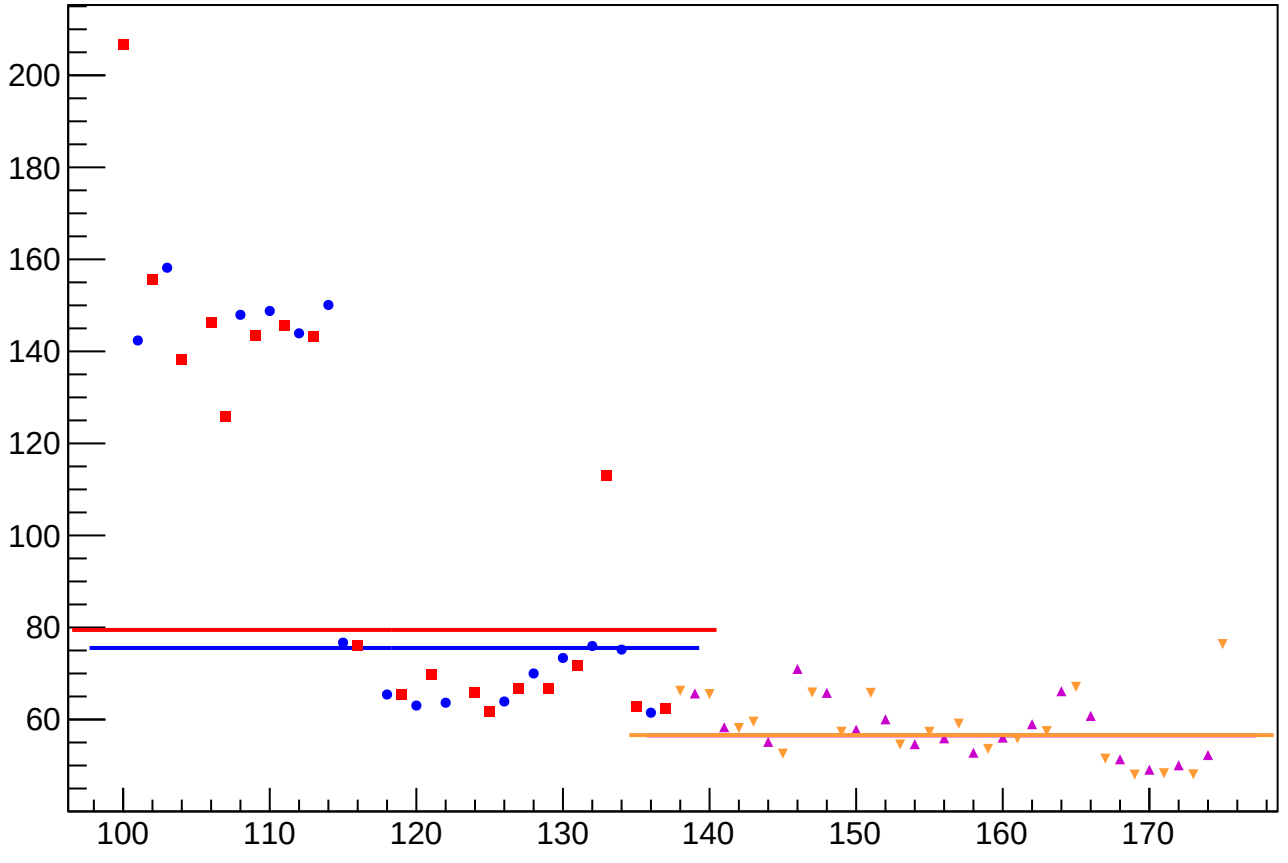
Left In: -41.182+/-14.852 χ^2/NDF:22.9/17

+ sign 22.916+/-12.996 χ^2/NDF: 43.3/35

All: -8.273+/-9.334 χ^2/NDF: 101.3/72

- sign -41.499+/-13.414 χ^2/NDF: 46.2/36

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 56.607+/-0.010 χ^2/NDF:451347.0/19

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

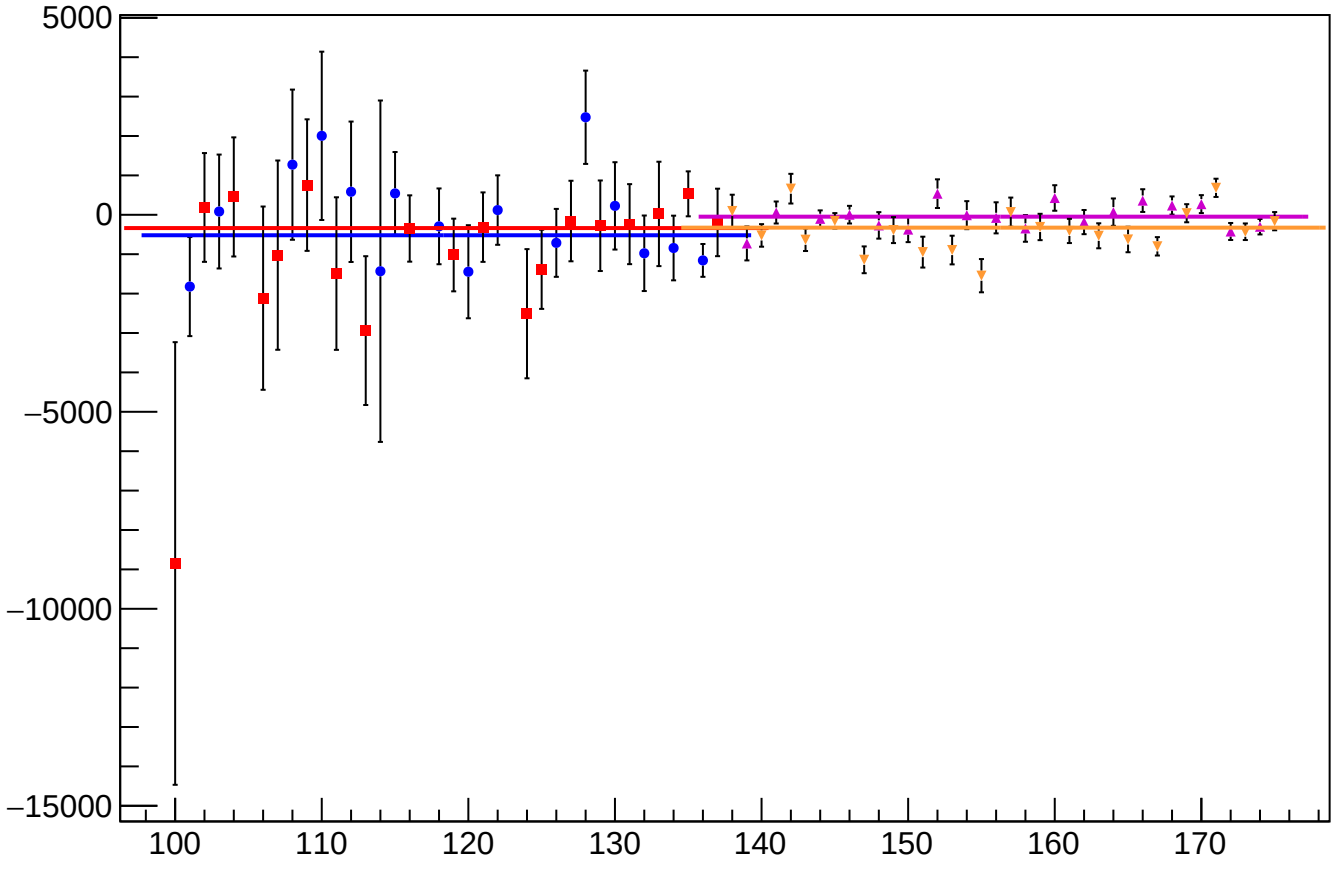
Left In: 56.546+/-0.011 χ^2/NDF:279497.1/17

+ sign 60.182+/-0.009 χ^2/NDF: 2567338.4/35

All: 60.467+/-0.007 χ^2/NDF: 5410118.8/72

- sign 60.769+/-0.009 χ^2/NDF: 2840805.6/36

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -326.162+/-63.969 χ^2/NDF:58.4/19

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

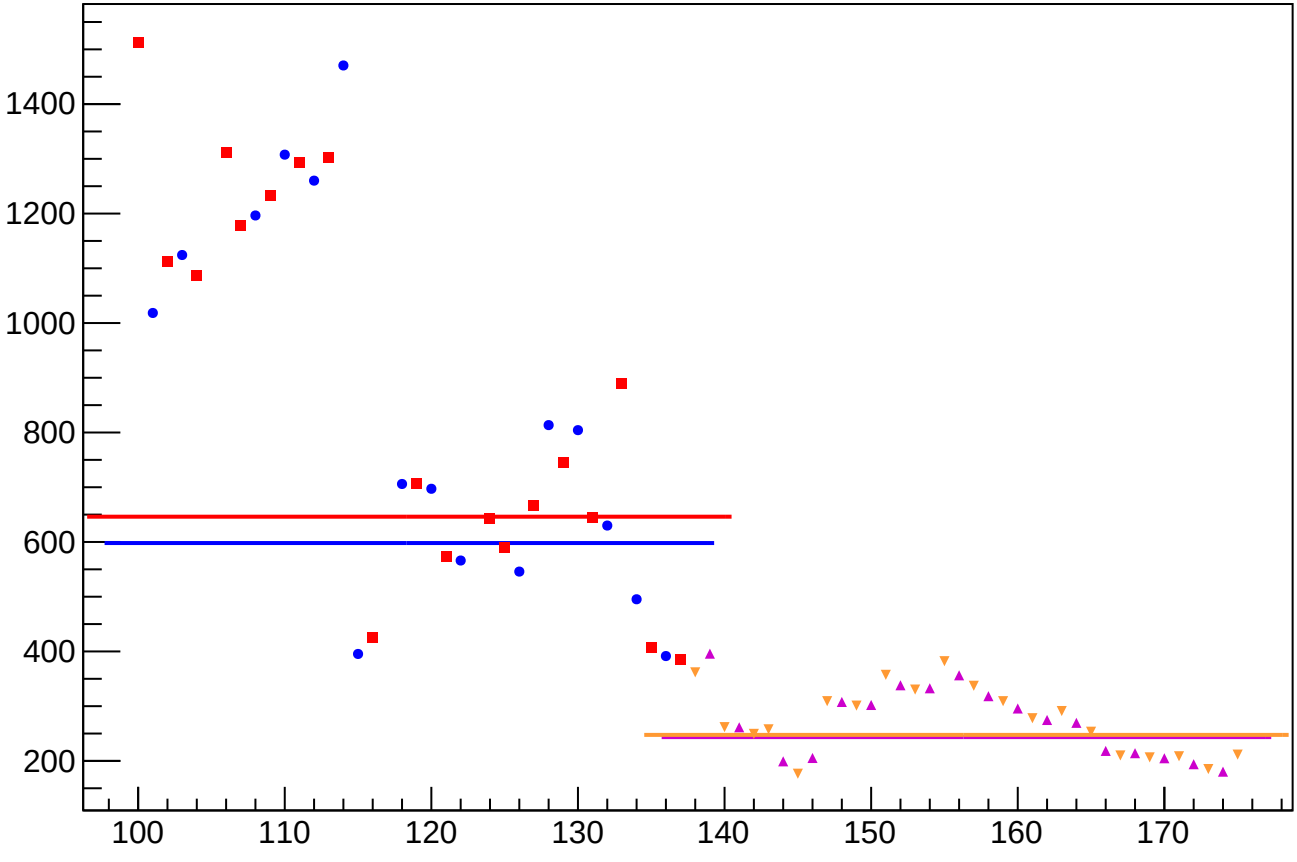
Left In: -47.646+/-65.170 χ^2/NDF:20.2/17

+ sign -338.840+/-61.833 χ^2/NDF: 74.8/35

All: -204.914+/-44.186 χ^2/NDF: 117.7/72

- sign -65.161+/-63.165 χ^2/NDF: 33.4/36

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 247.525+/-0.045 χ^2/NDF:1644827.5/19

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

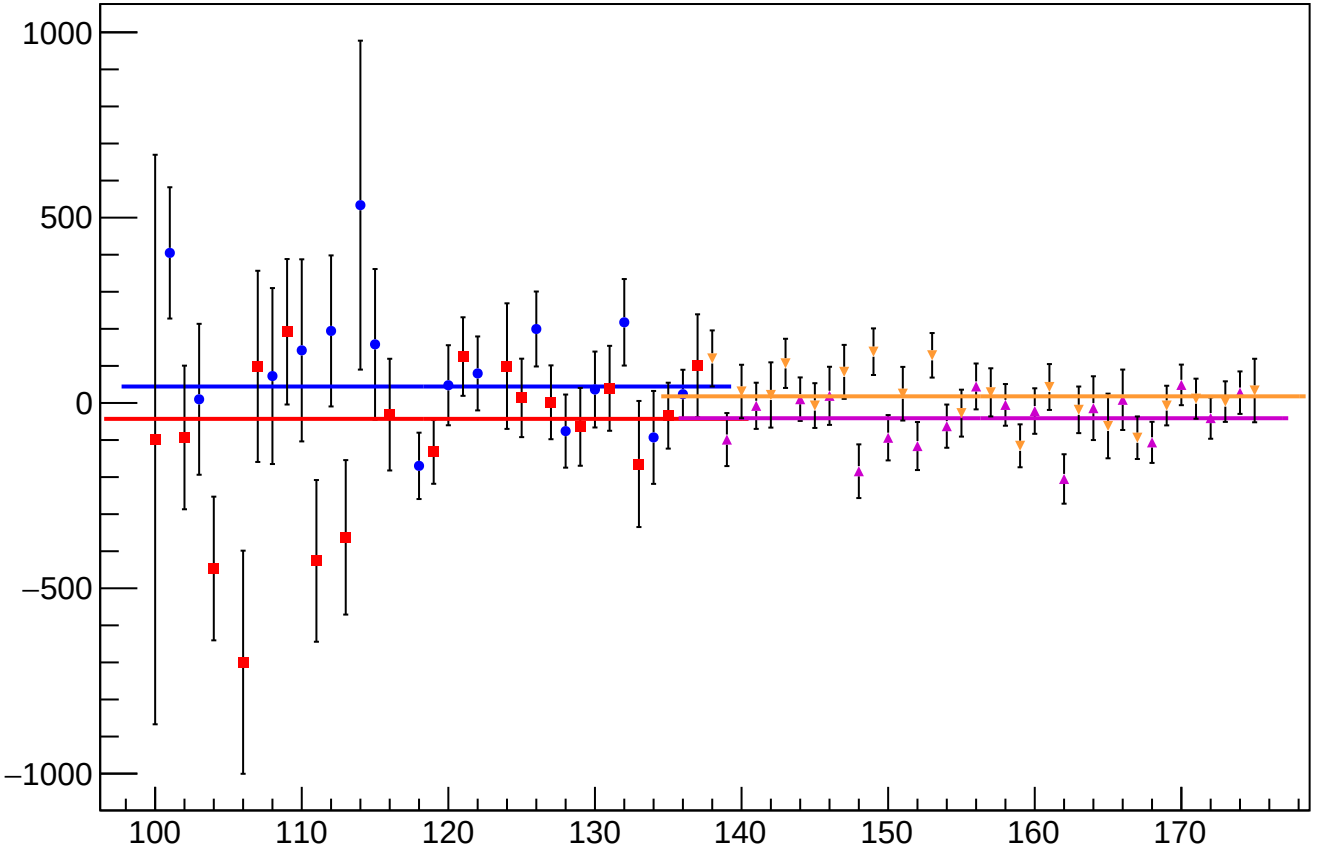
Left In: 243.485+/-0.046 χ^2/NDF:1567829.7/17

\+ sign 270.538+/-0.044 χ^2/NDF: 7635285.9/35

All: 269.239+/-0.031 χ^2/NDF: 16037220.1/72

\- sign 267.884+/-0.045 χ^2/NDF: 8400130.4/36

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 17.918+/-14.430 χ^2/NDF:23.0/19

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

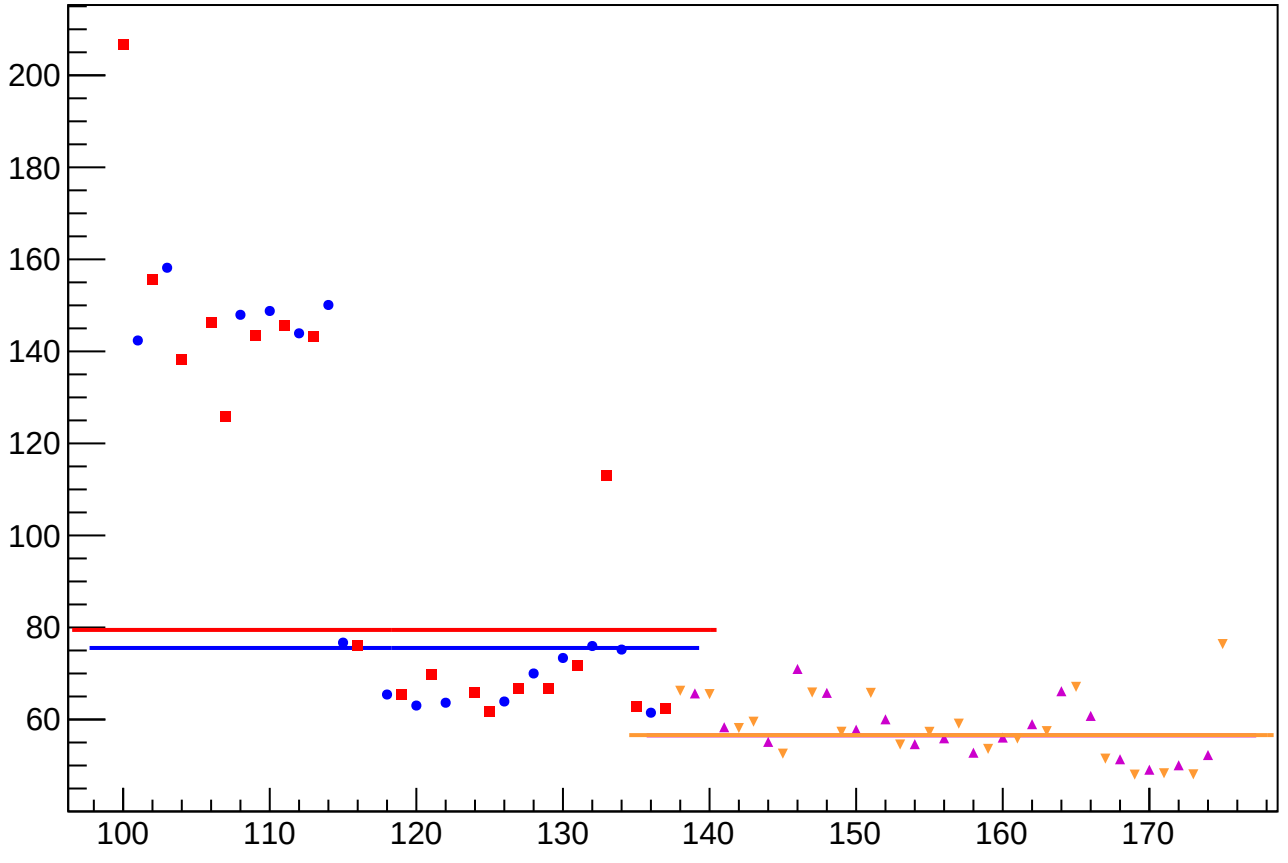
Left In: -41.182+/-14.852 χ^2/NDF:22.9/17

+ sign 22.916+/-12.996 χ^2/NDF: 43.3/35

All: -8.272+/-9.334 χ^2/NDF: 101.3/72

- sign -41.498+/-13.414 χ^2/NDF: 46.2/36

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 56.607+/-0.010 χ^2/NDF:451348.9/19

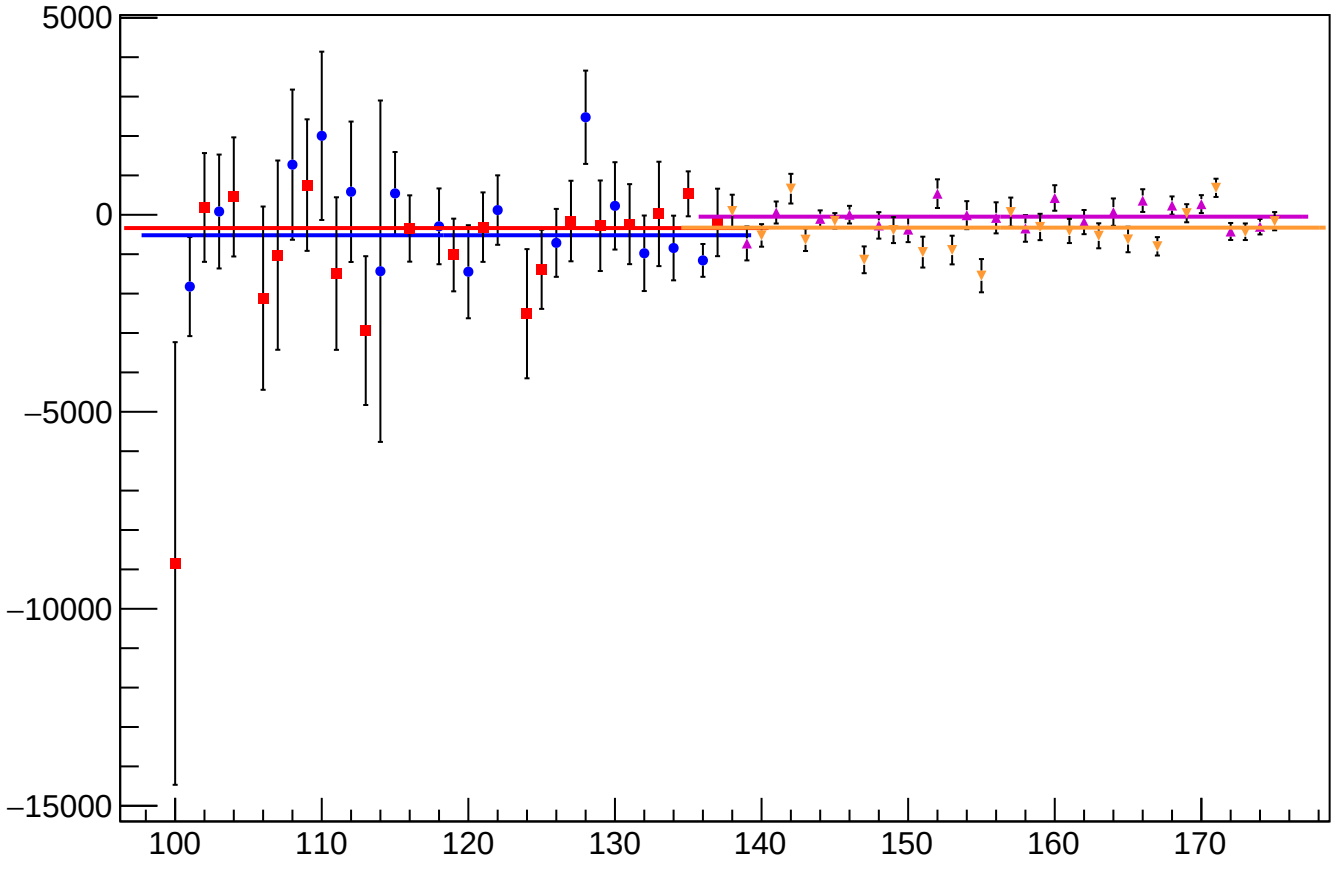
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 56.546+/-0.011 χ^2/NDF:279498.2/17

+ sign 60.183+/-0.009 χ^2/NDF: 2567302.0/35

All: 60.467+/-0.007 χ^2/NDF: 5410045.3/72

- sign 60.770+/-0.009 χ^2/NDF: 2840767.7/36



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -326.161+/-63.969 χ^2/NDF:58.4/19

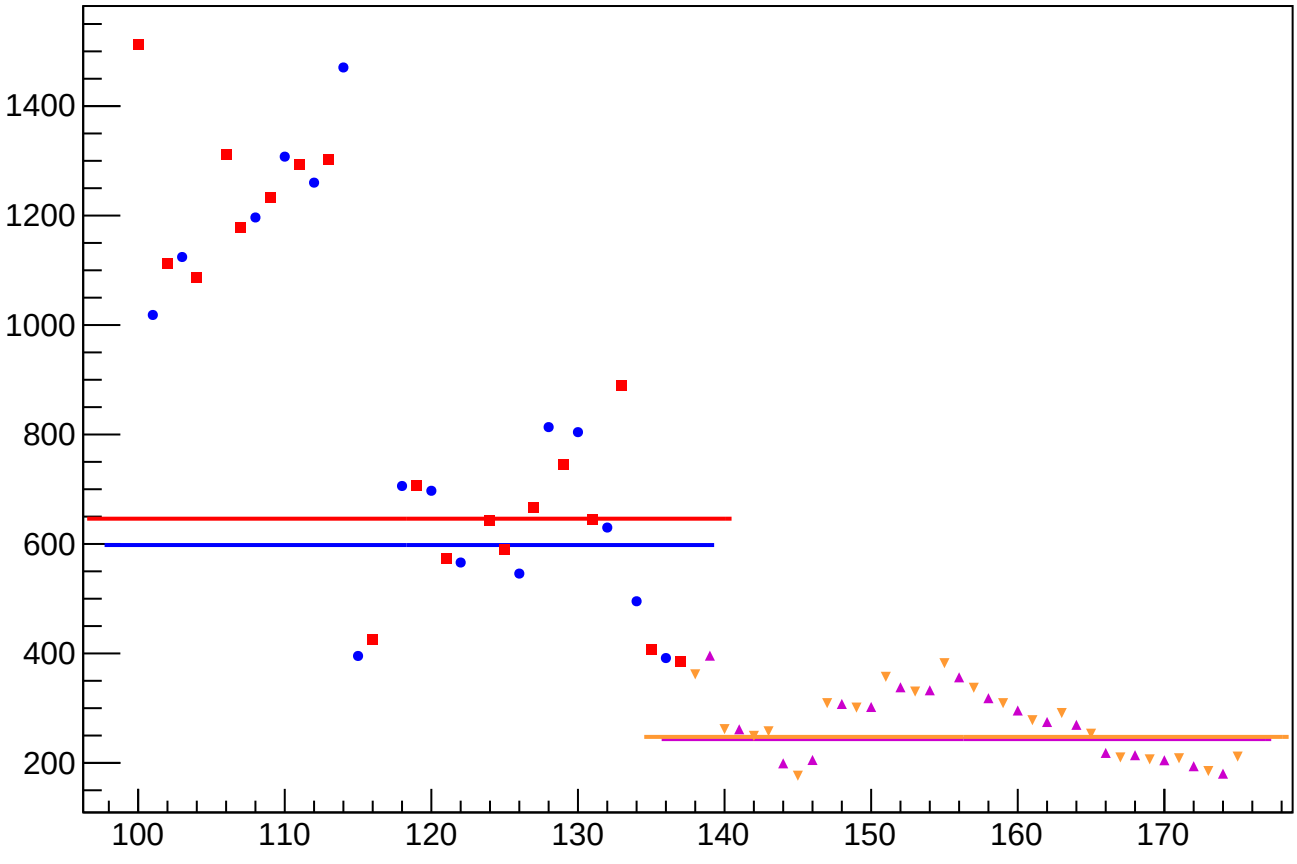
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -47.645+/-65.170 χ^2/NDF:20.2/17

+ sign -338.838+/-61.833 χ^2/NDF: 74.8/35

All: -204.913+/-44.186 χ^2/NDF: 117.7/72

- sign -65.160+/-63.165 χ^2/NDF: 33.4/36



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 247.524+/-0.045 χ^2/NDF:1644829.0/19

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

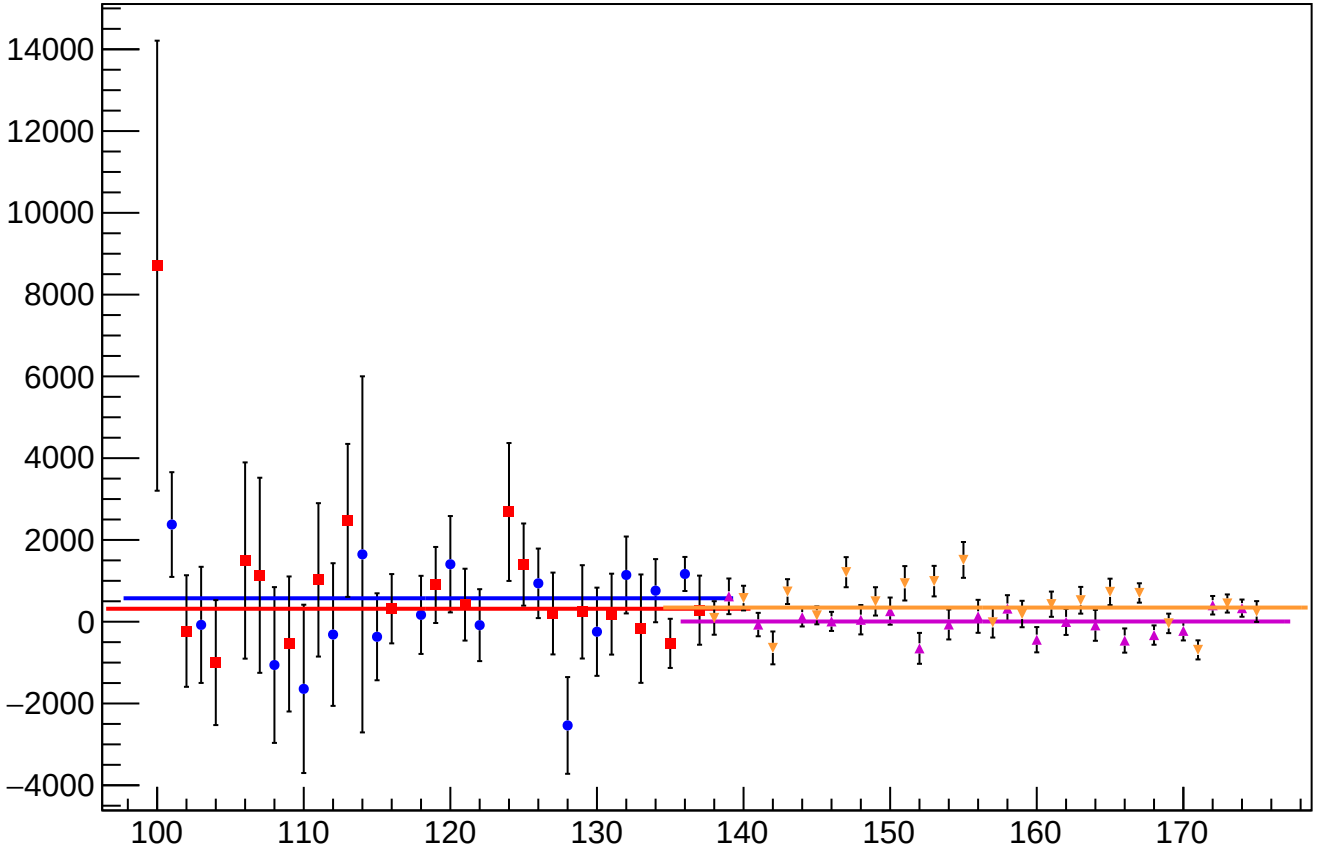
Left In: 243.485+/-0.046 χ^2/NDF:1567821.5/17

+ sign 270.538+/-0.044 χ^2/NDF: 7635278.8/35

All: 269.239+/-0.031 χ^2/NDF: 16037194.4/72

- sign 267.884+/-0.045 χ^2/NDF: 8400112.0/36

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 346.127+/-66.768 χ^2/NDF:55.1/19

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

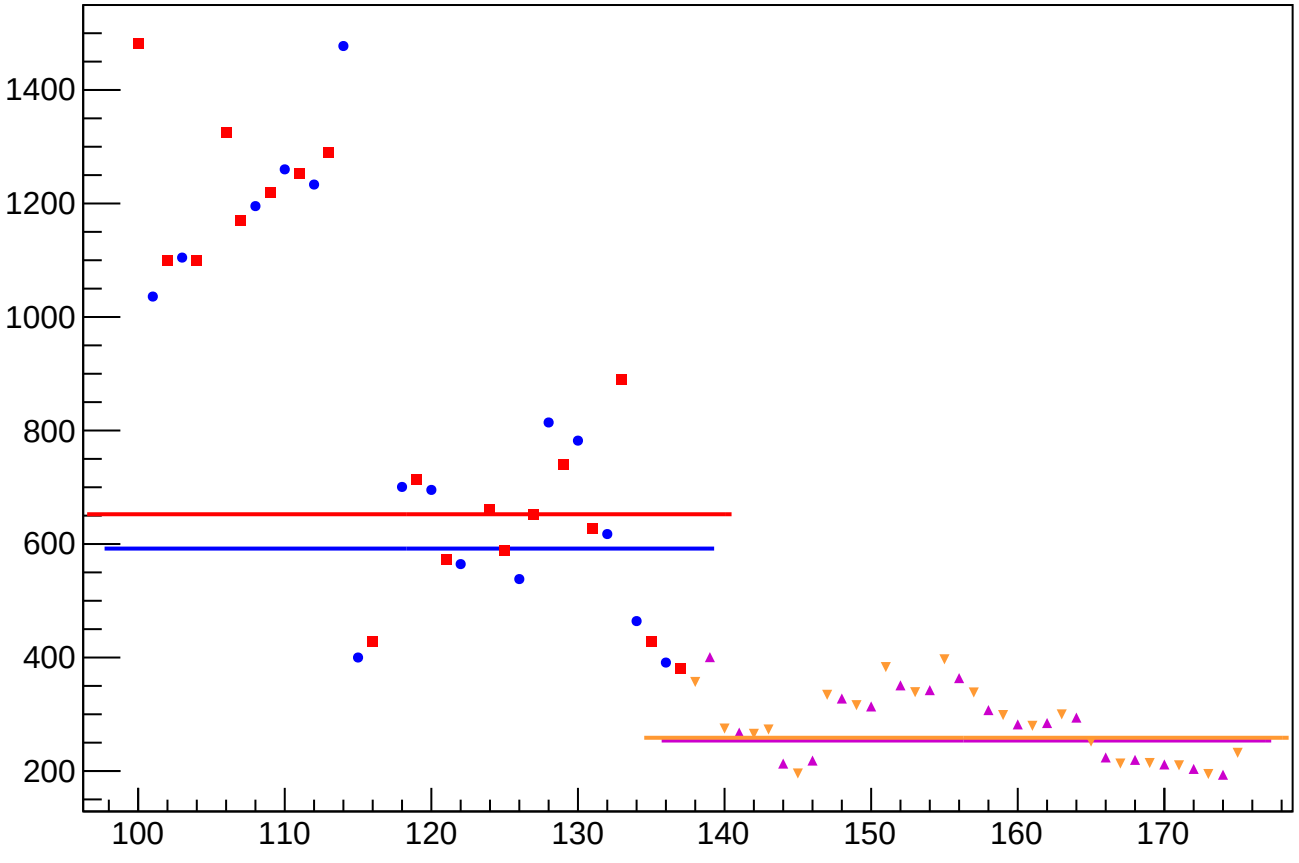
Left In: 5.280+/-67.671 χ^2/NDF:20.0/17

+ sign 362.589+/-64.305 χ^2/NDF: 72.5/35

All: 196.948+/-45.873 χ^2/NDF: 118.3/72

- sign 25.299+/-65.460 χ^2/NDF: 32.3/36

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 258.631+/-0.047 χ^2/NDF:1479603.9/19

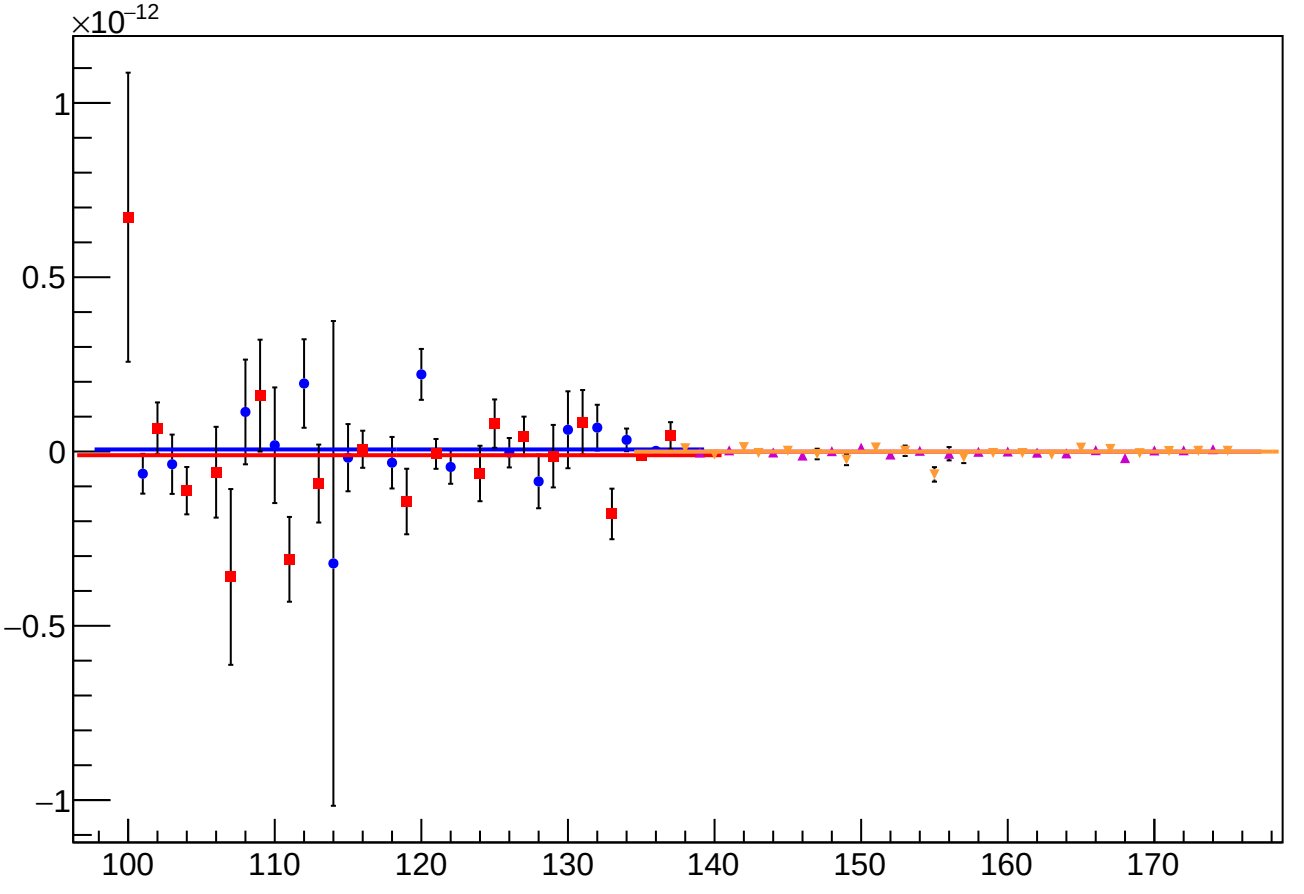
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 253.764+/-0.048 χ^2/NDF:1388610.5/17

+ sign 282.778+/-0.045 χ^2/NDF: 7126452.7/35

All: 281.111+/-0.032 χ^2/NDF: 15068722.1/72

- sign 279.383+/-0.046 χ^2/NDF: 7939530.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

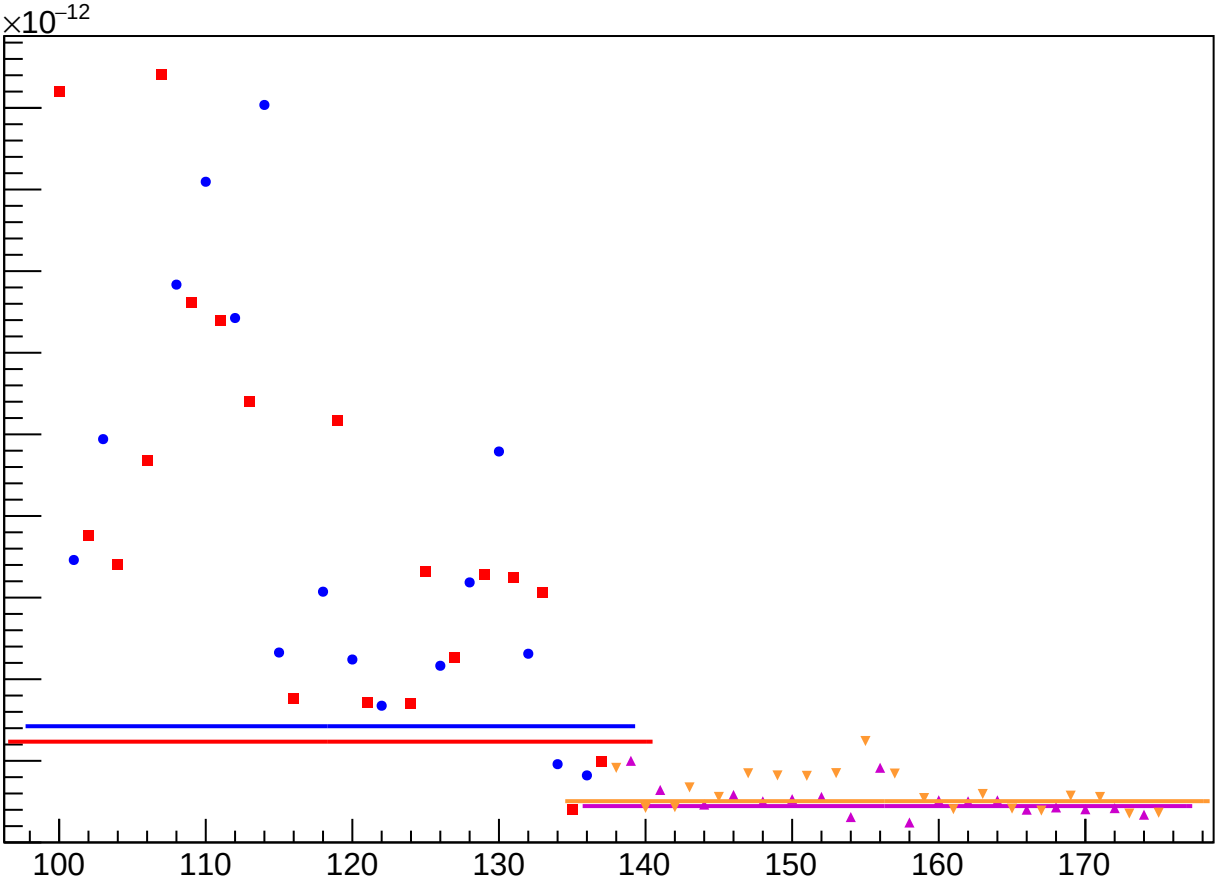
Left In: -0.000+/-0.000 χ^2/NDF:11.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 40.6/35

All: -0.000+/-0.000 χ^2/NDF: 82.3/72

- sign -0.000+/-0.000 χ^2/NDF: 41.6/36

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1371065.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

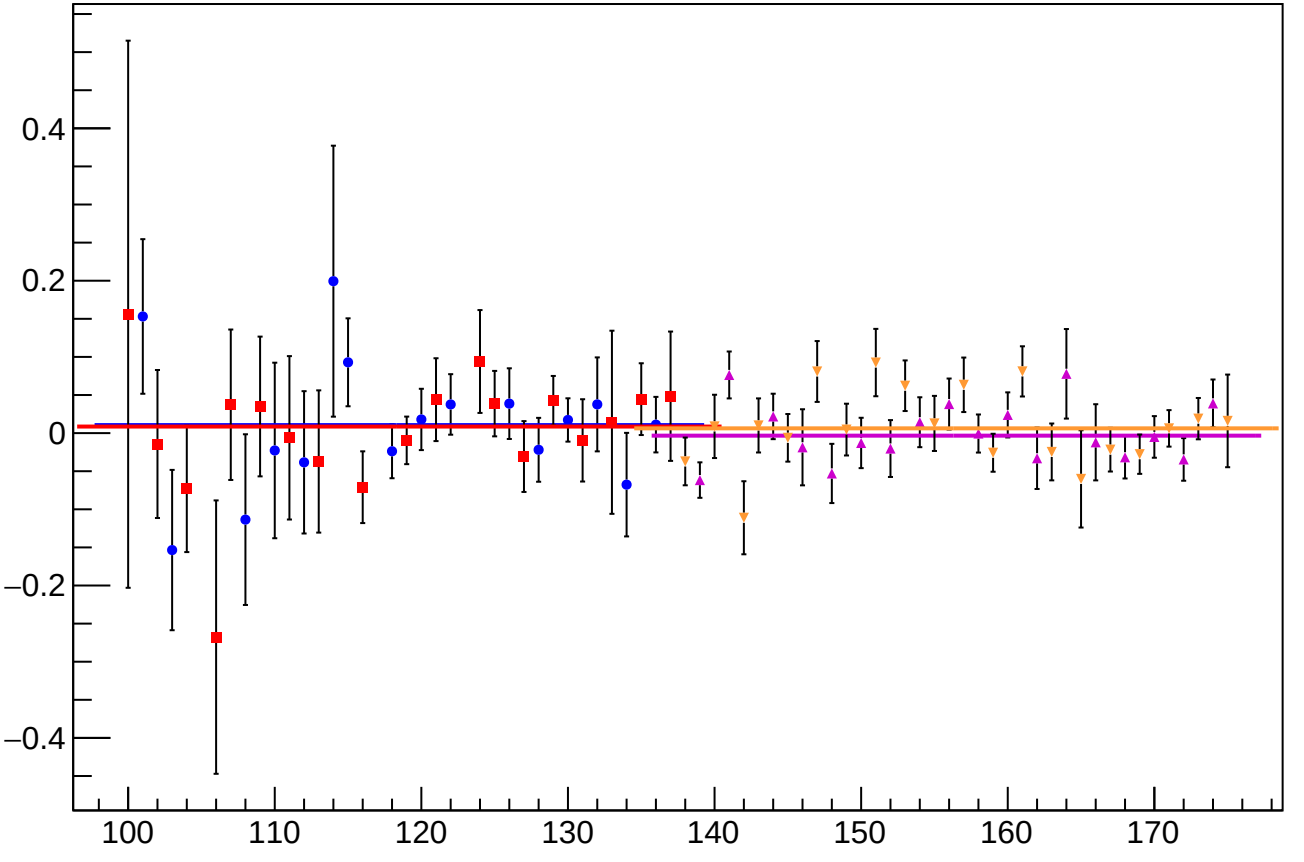
Left In: 0.000+/-0.000 χ^2/NDF:885090.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 5328235.6/35

All: 0.000+/-0.000 χ^2/NDF: 10868342.7/72

- sign 0.000+/-0.000 χ^2/NDF: 5436892.4/36

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.007 χ^2/NDF:32.3/19

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

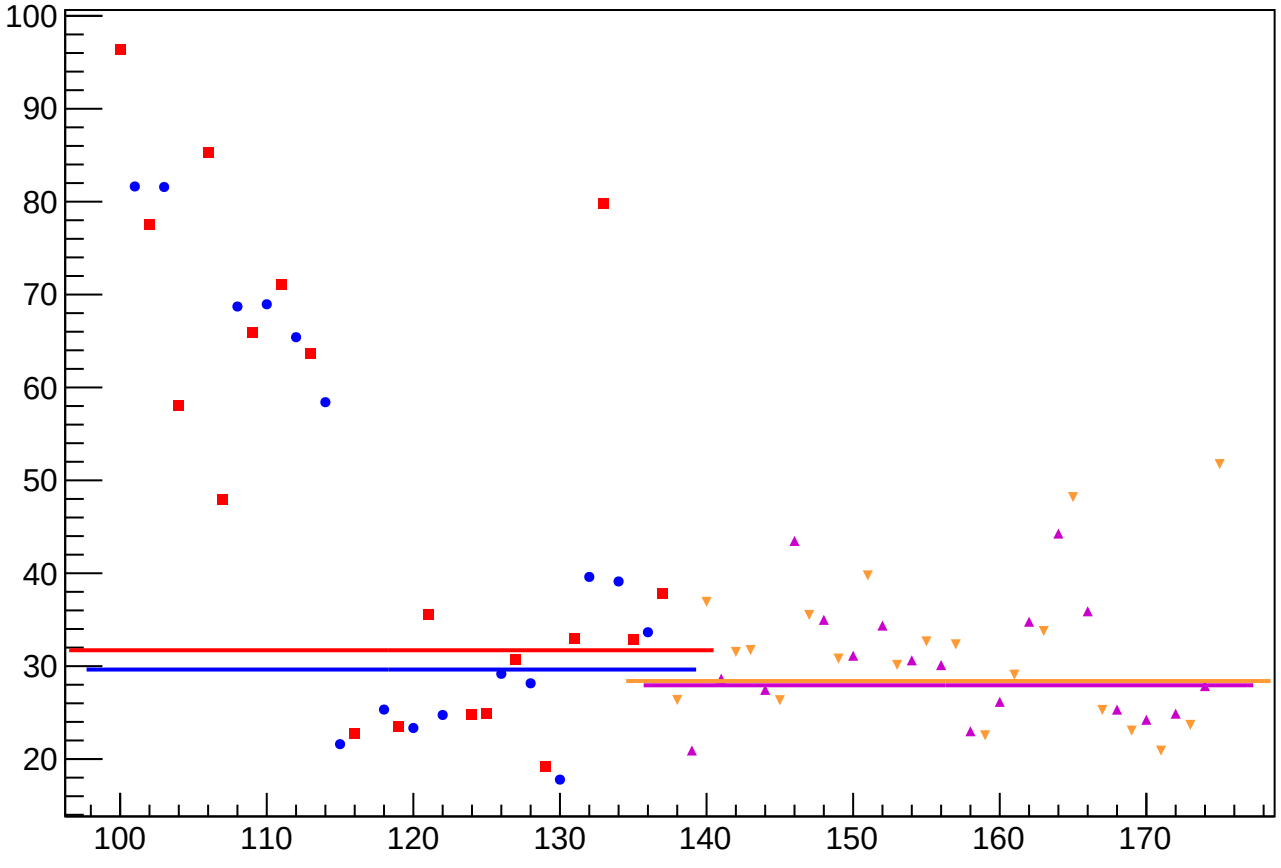
Left In: -0.003+/-0.008 χ^2/NDF:25.0/17

+ sign 0.007+/-0.006 χ^2/NDF: 45.5/35

All: 0.004+/-0.005 χ^2/NDF: 84.3/72

- sign -0.000+/-0.007 χ^2/NDF: 38.0/36

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.400+/-0.005 χ^2/NDF:1396486.9/19

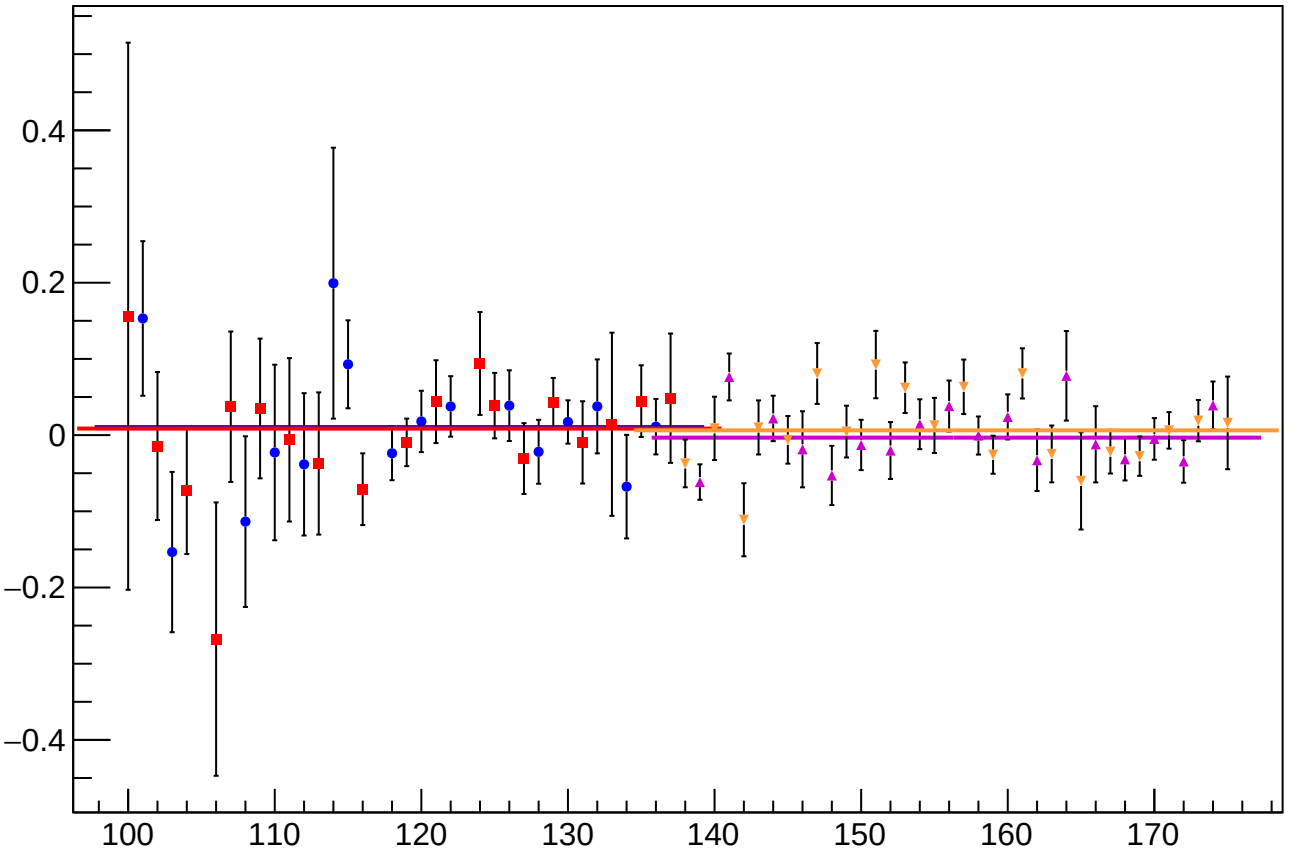
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.939+/-0.005 χ^2/NDF:969676.6/17

+ sign 28.723+/-0.005 χ^2/NDF: 3859221.4/35

All: 28.793+/-0.003 χ^2/NDF: 7603365.1/72

- sign 28.866+/-0.005 χ^2/NDF: 3743662.7/36



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.007 χ^2/NDF:32.3/19

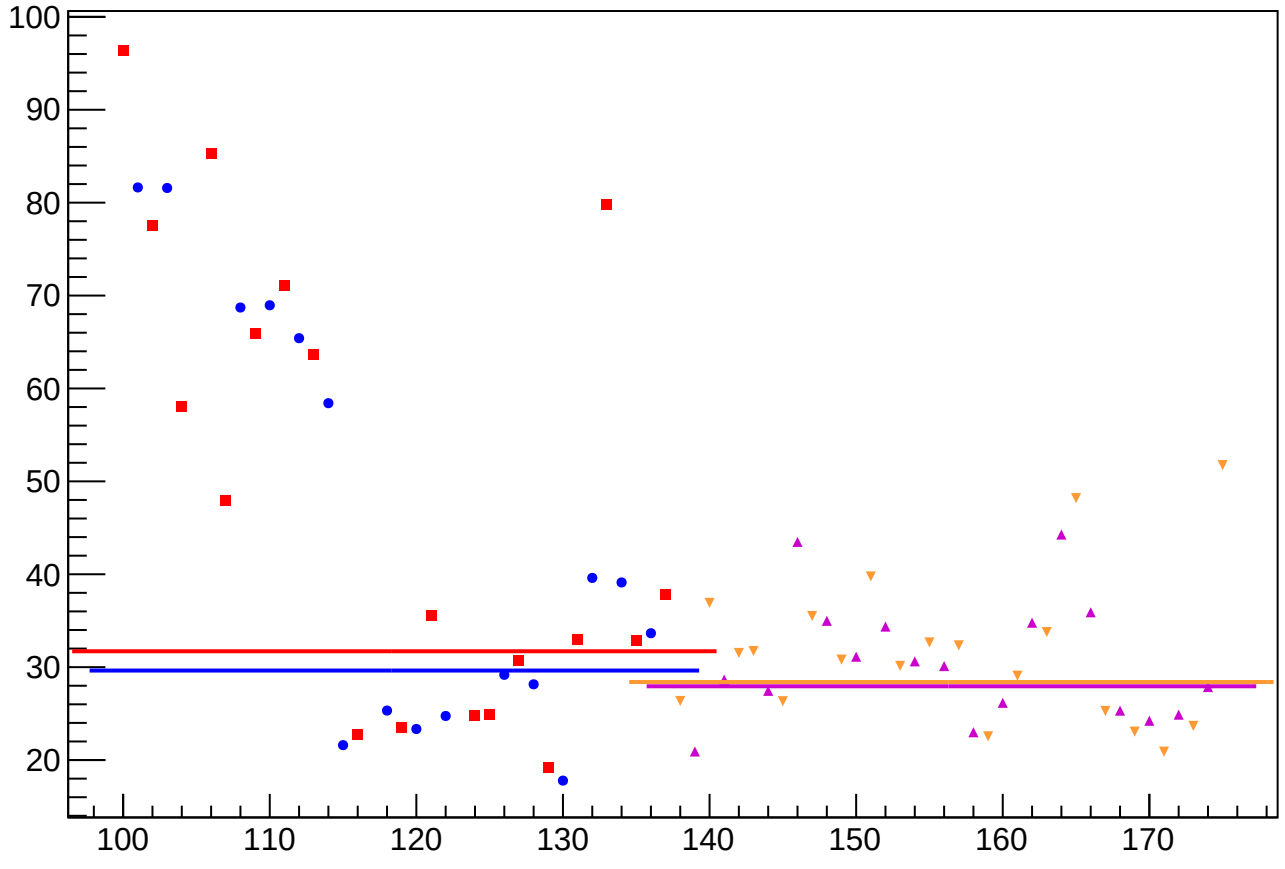
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.008 χ^2/NDF:25.0/17

+ sign 0.007+/-0.006 χ^2/NDF: 45.5/35

All: 0.004+/-0.005 χ^2/NDF: 84.3/72

- sign -0.000+/-0.007 χ^2/NDF: 38.0/36



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.400+/-0.005 χ^2/NDF:1396486.9/19

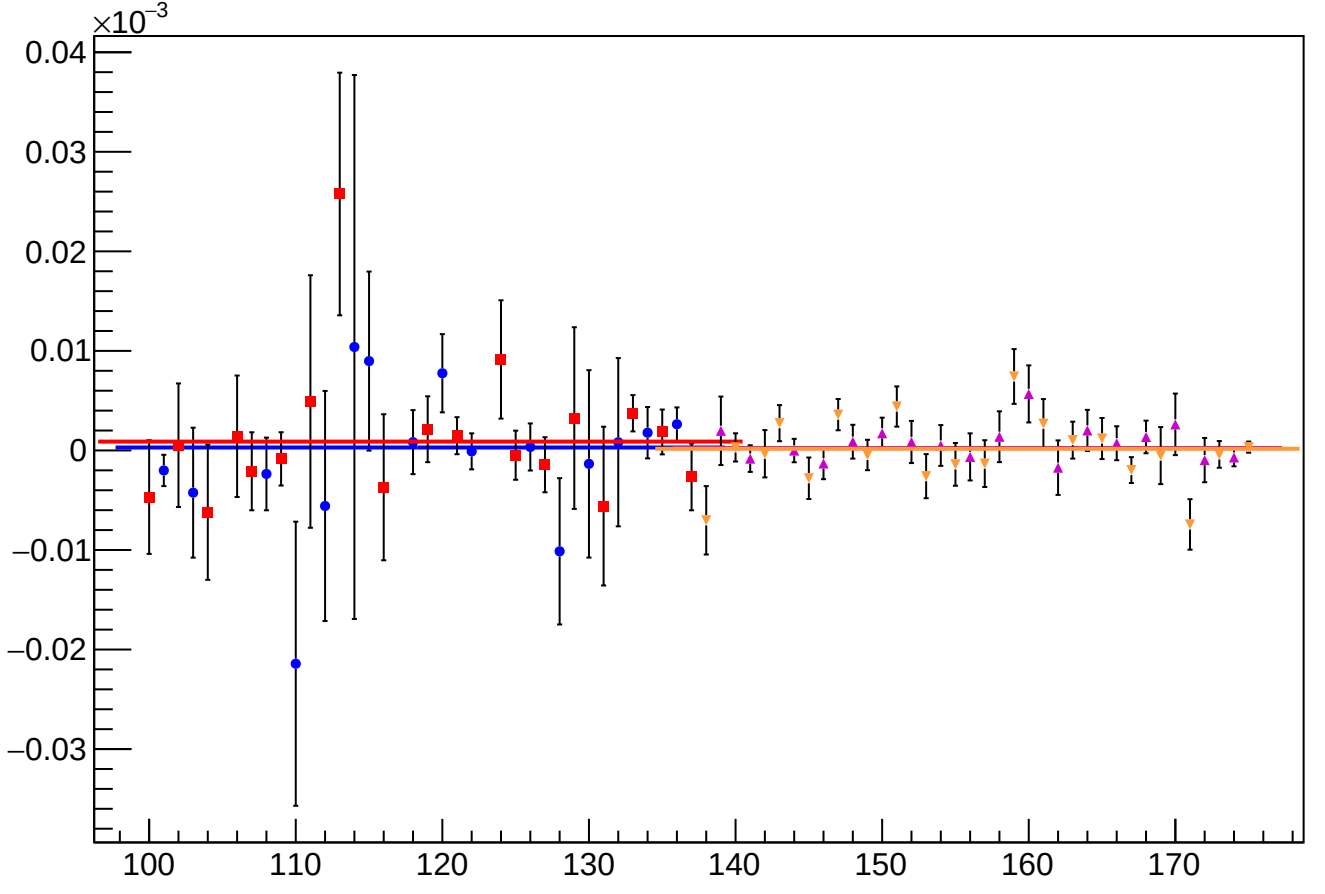
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.939+/-0.005 χ^2/NDF:969676.6/17

+ sign 28.723+/-0.005 χ^2/NDF: 3859221.4/35

All: 28.793+/-0.003 χ^2/NDF: 7603365.1/72

- sign 28.866+/-0.005 χ^2/NDF: 3743662.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.8/19

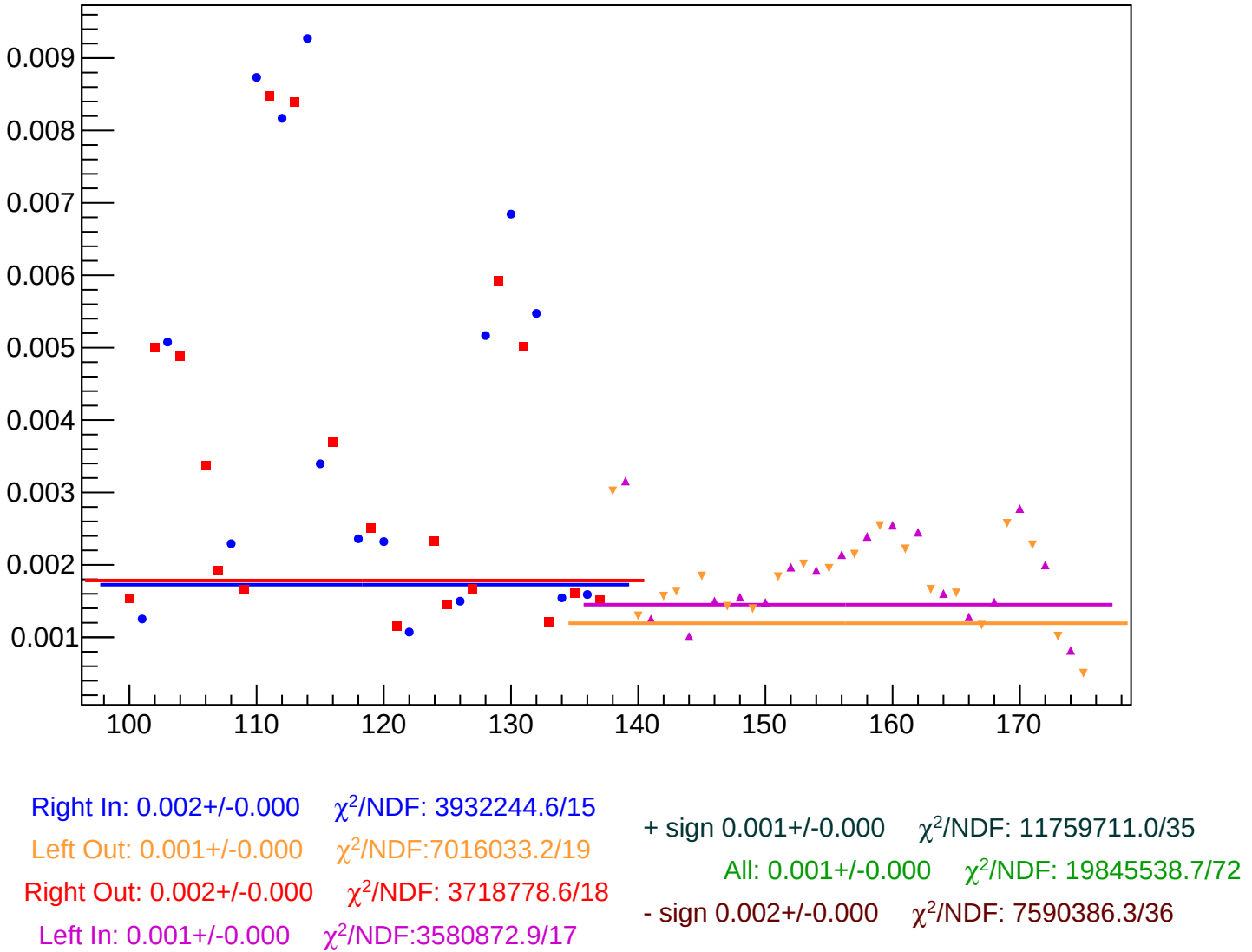
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

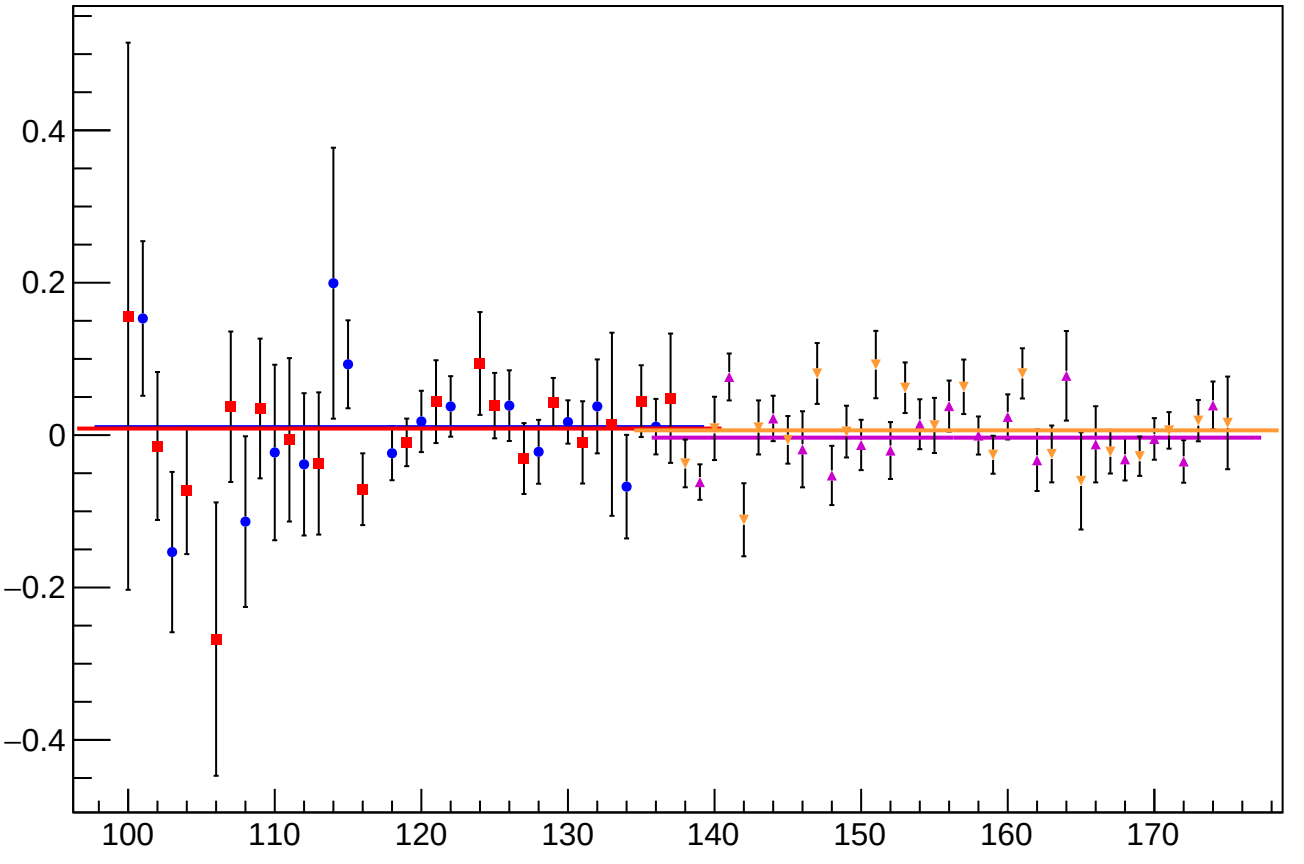
Left In: 0.000+/-0.000 χ^2/NDF:10.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 55.6/35

All: 0.000+/-0.000 χ^2/NDF: 82.4/72

- sign 0.000+/-0.000 χ^2/NDF: 26.7/36


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: 0.001+/-0.000 χ²/NDF:7016033.2/19
Right Out: 0.002+/-0.000 χ²/NDF: 3718778.6/18
Left In: 0.001+/-0.000 χ²/NDF:3580872.9/17
+ sign 0.001+/-0.000 χ²/NDF: 11759711.0/35
All: 0.001+/-0.000 χ²/NDF: 19845538.7/72
- sign 0.002+/-0.000 χ²/NDF: 7590386.3/36



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.007 χ^2/NDF:32.3/19

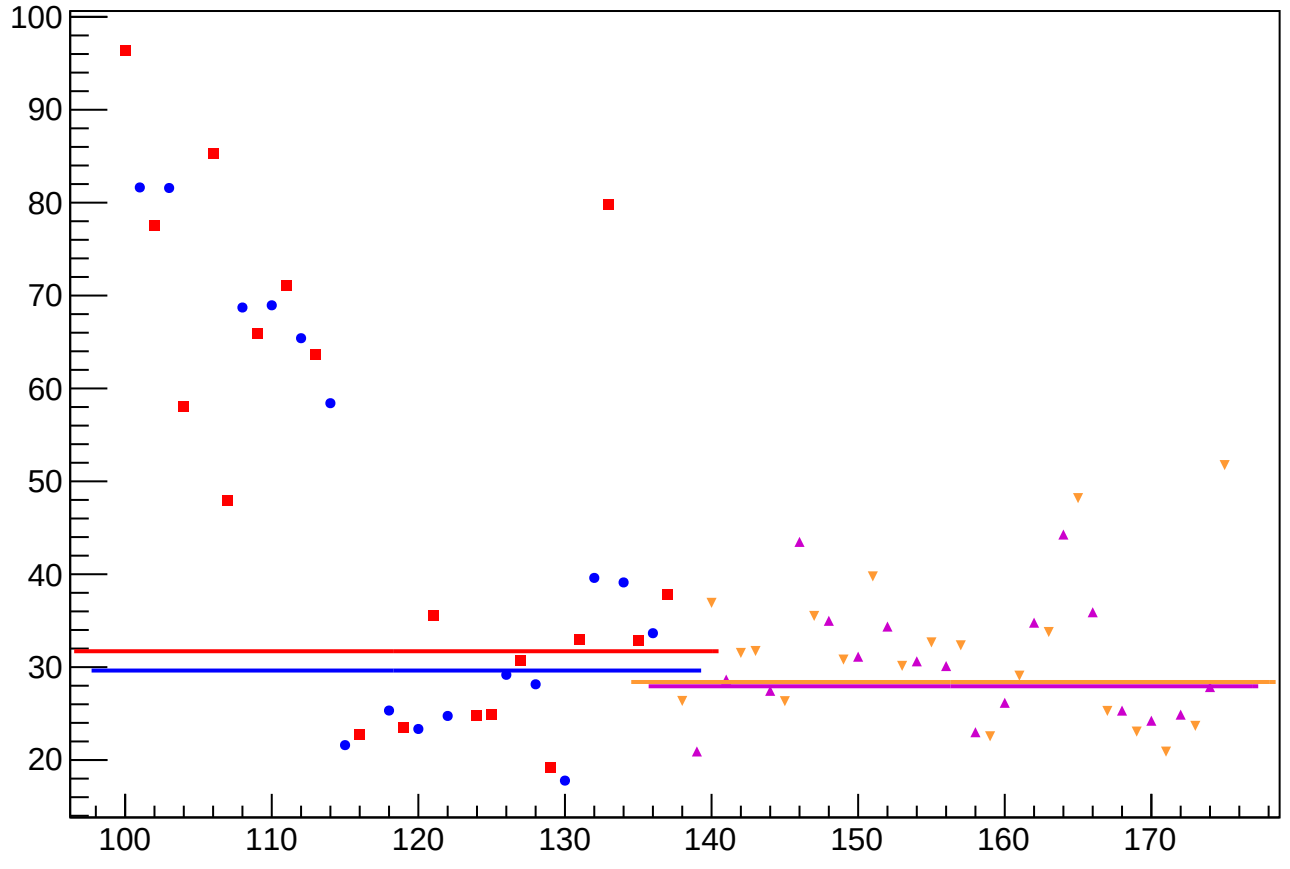
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.008 χ^2/NDF:25.0/17

+ sign 0.007+/-0.006 χ^2/NDF: 45.5/35

All: 0.004+/-0.005 χ^2/NDF: 84.3/72

- sign -0.000+/-0.007 χ^2/NDF: 38.0/36



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.400+/-0.005 χ^2/NDF:1396522.9/19

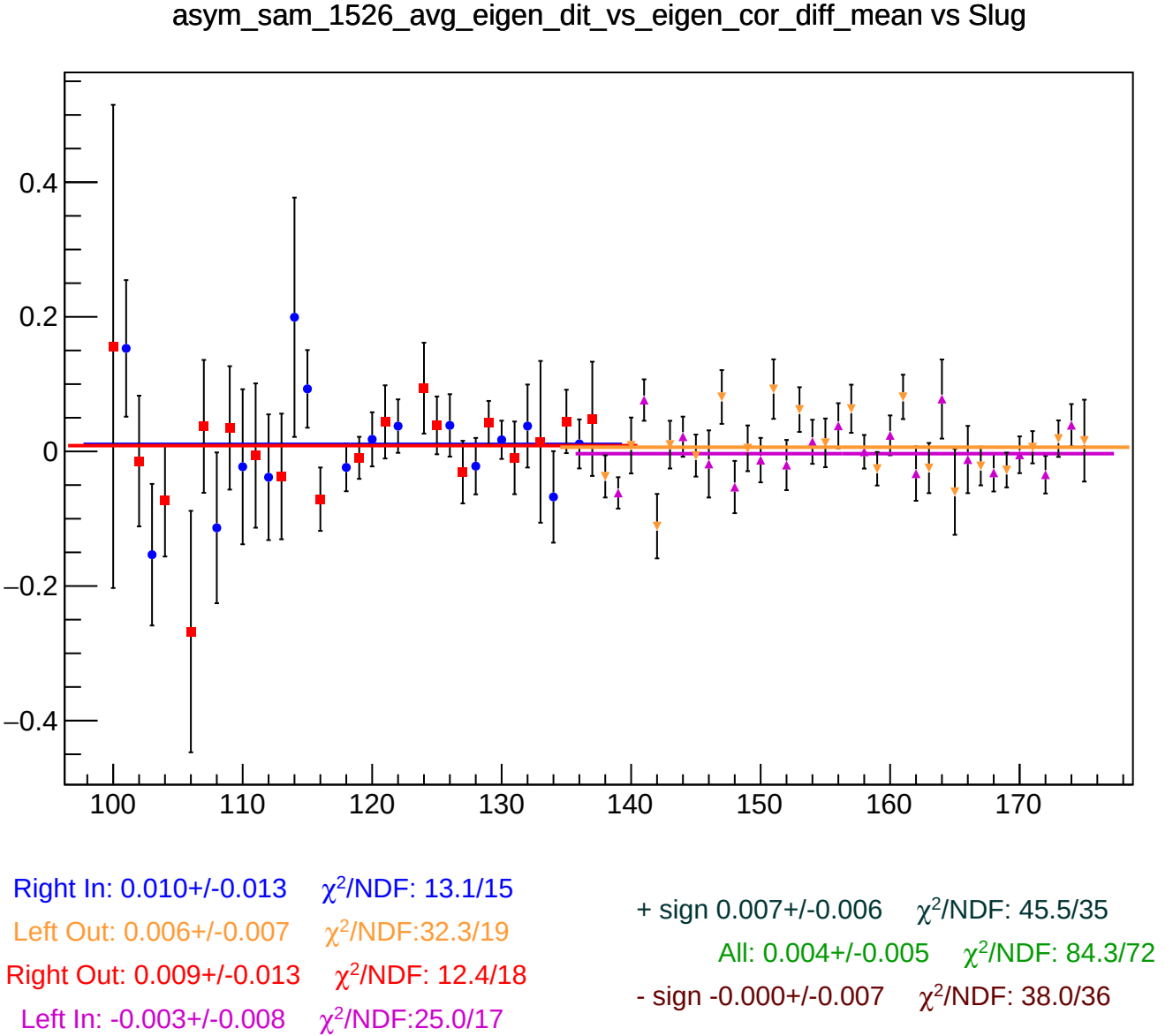
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

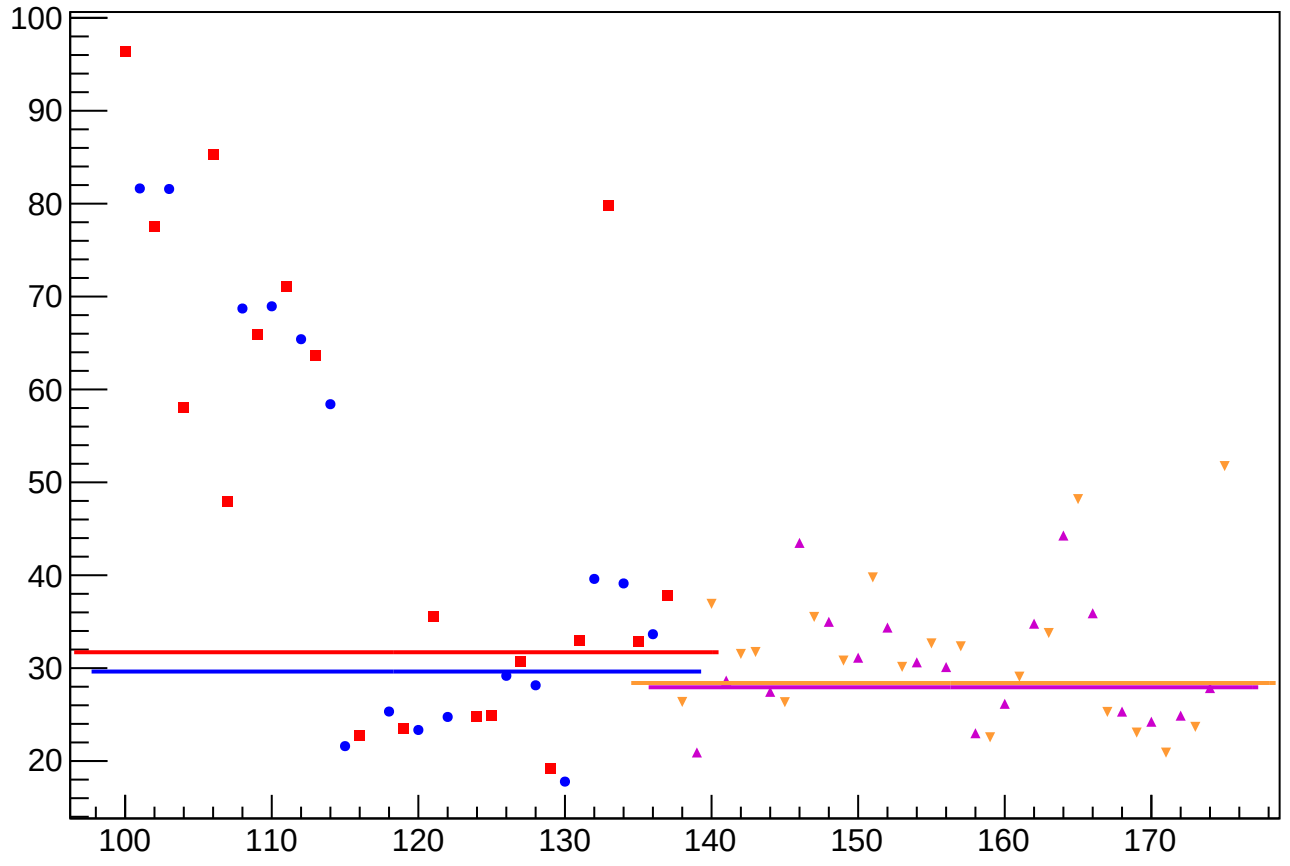
Left In: 27.940+/-0.005 χ^2/NDF:969685.2/17

+ sign 28.723+/-0.005 χ^2/NDF: 3859427.7/35

All: 28.793+/-0.003 χ^2/NDF: 7603646.6/72

- sign 28.866+/-0.005 χ^2/NDF: 3743736.5/36


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.010+/-0.013 χ²/NDF: 13.1/15
Left Out: 0.006+/-0.007 χ²/NDF:32.3/19
Right Out: 0.009+/-0.013 χ²/NDF: 12.4/18
Left In: -0.003+/-0.008 χ²/NDF:25.0/17
+ sign 0.007+/-0.006 χ²/NDF: 45.5/35
All: 0.004+/-0.005 χ²/NDF: 84.3/72
- sign -0.000+/-0.007 χ²/NDF: 38.0/36



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.400+/-0.005 χ^2/NDF:1396522.9/19

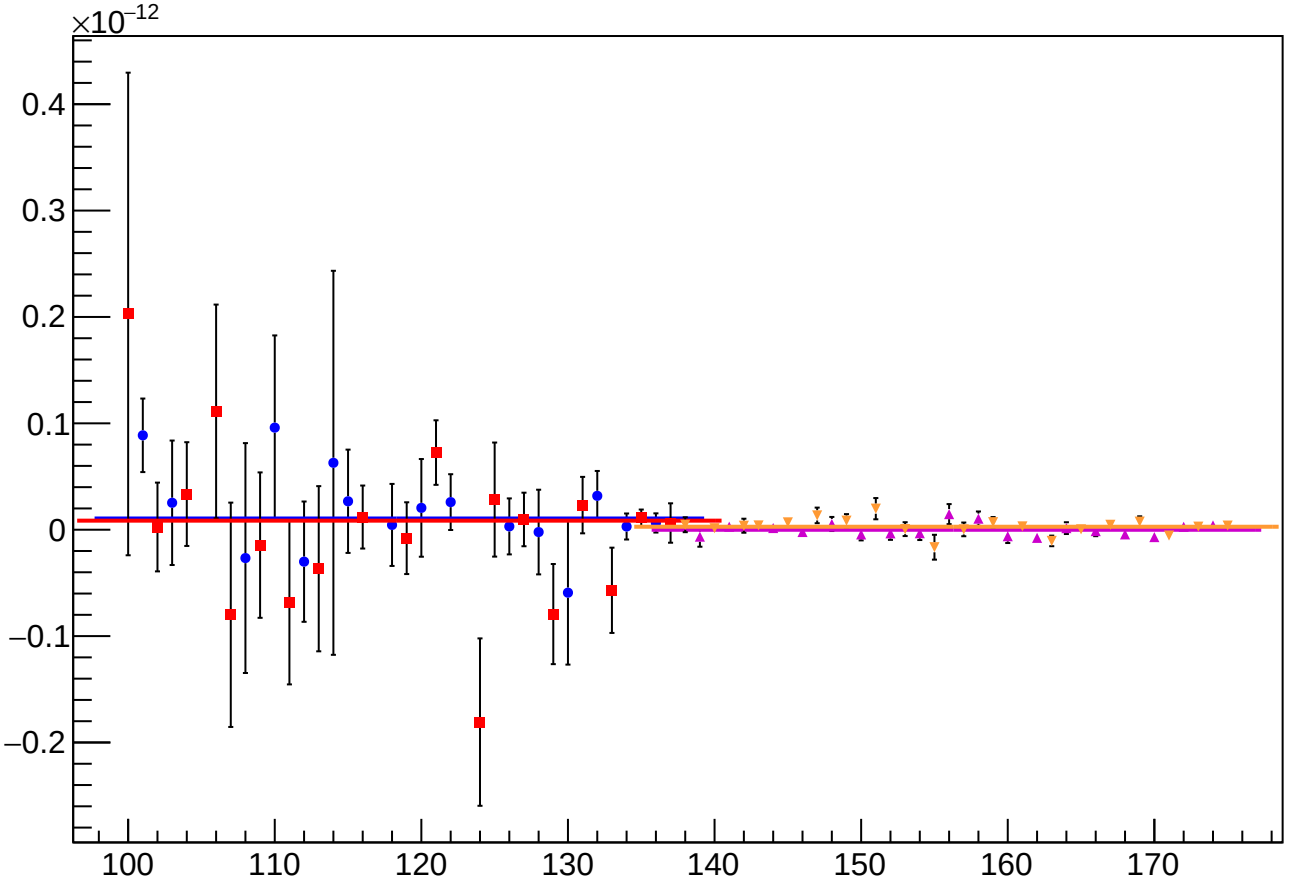
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.940+/-0.005 χ^2/NDF:969685.2/17

+ sign 28.723+/-0.005 χ^2/NDF: 3859427.7/35

All: 28.793+/-0.003 χ^2/NDF: 7603646.6/72

- sign 28.866+/-0.005 χ^2/NDF: 3743736.5/36



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/19

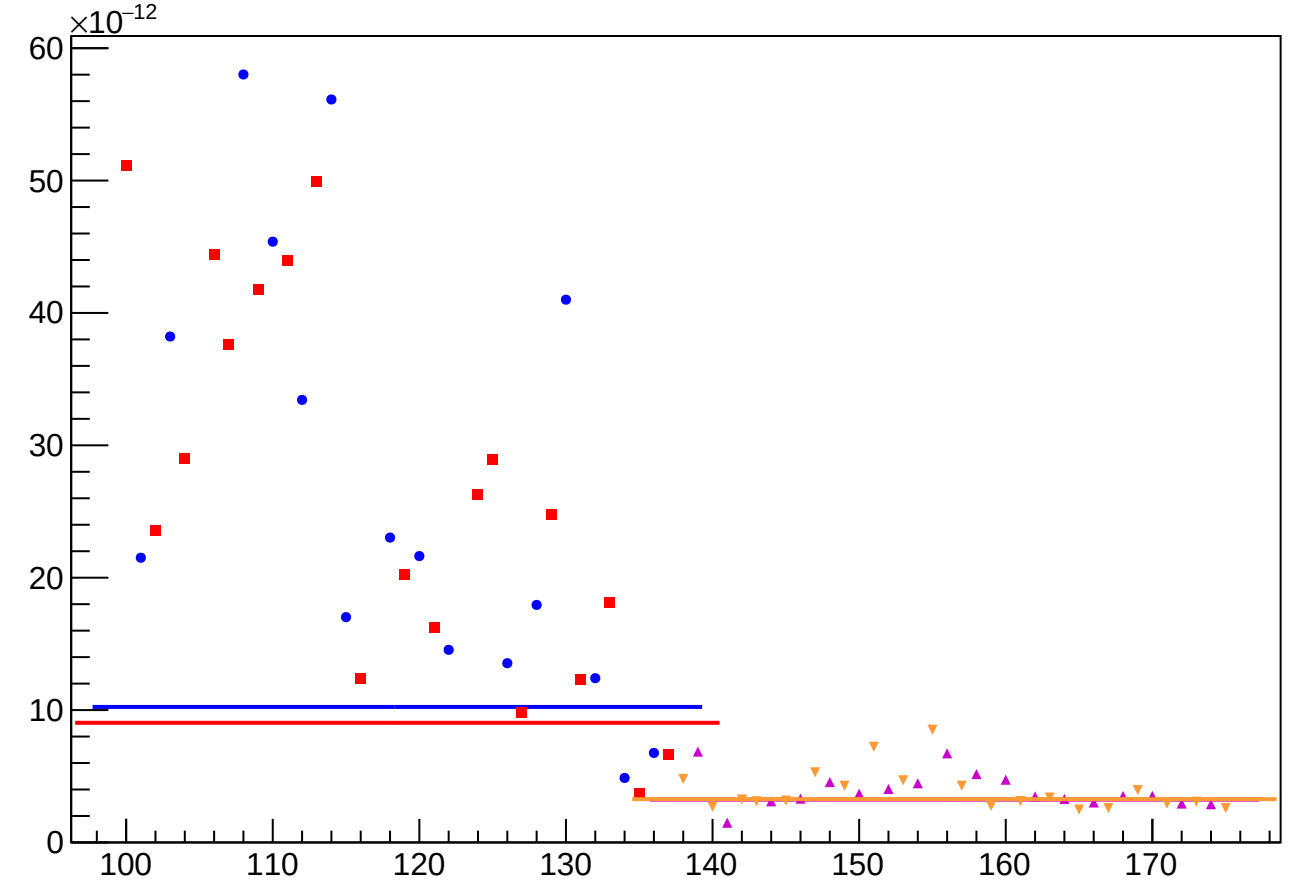
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 35.2/35

All: 0.000+/-0.000 χ^2/NDF: 79.2/72

- sign 0.000+/-0.000 χ^2/NDF: 40.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1507963.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

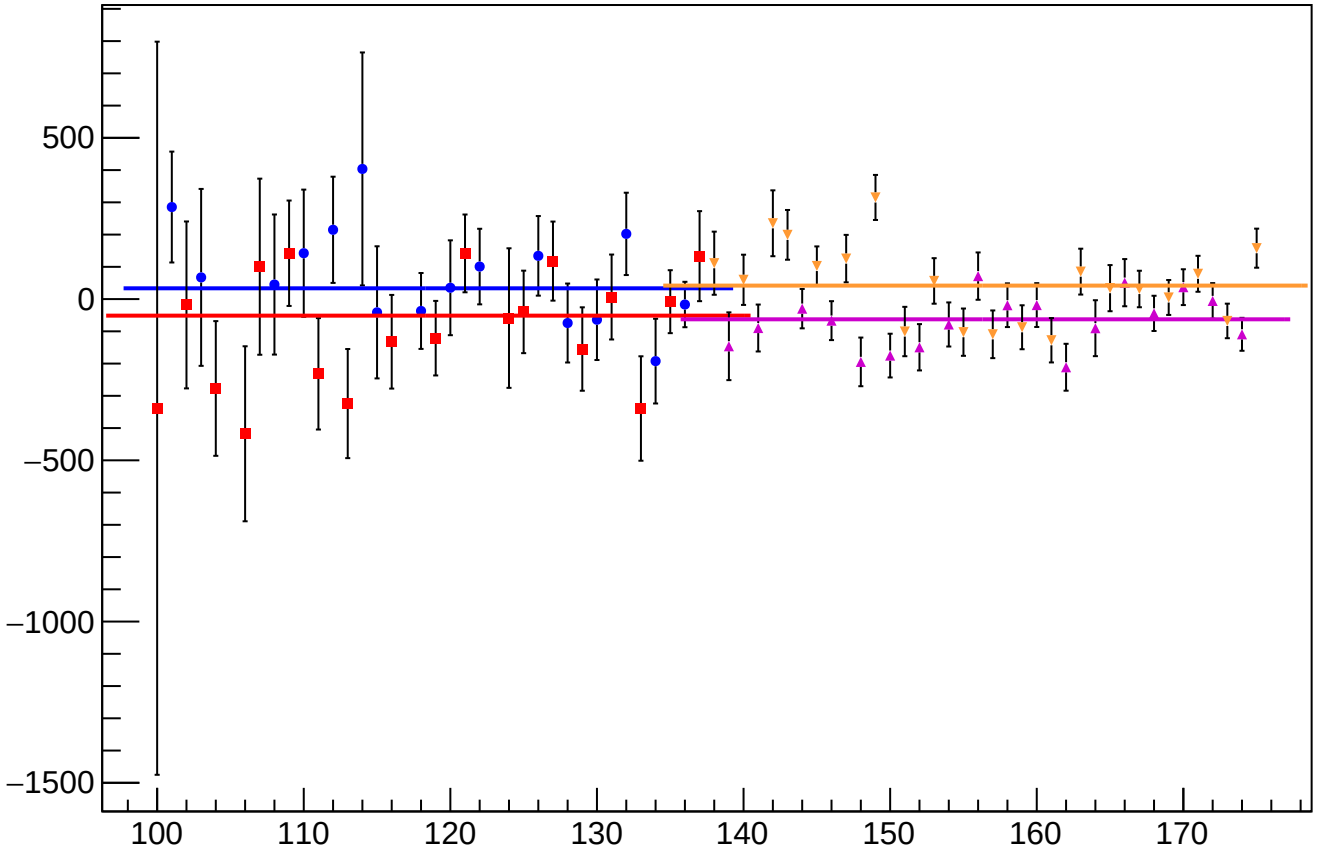
Left In: 0.000+/-0.000 χ^2/NDF:1940294.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 7631195.5/35

All: 0.000+/-0.000 χ^2/NDF: 15942487.8/72

- sign 0.000+/-0.000 χ^2/NDF: 8308412.9/36

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.835+/-15.162 χ^2/NDF:56.3/19

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

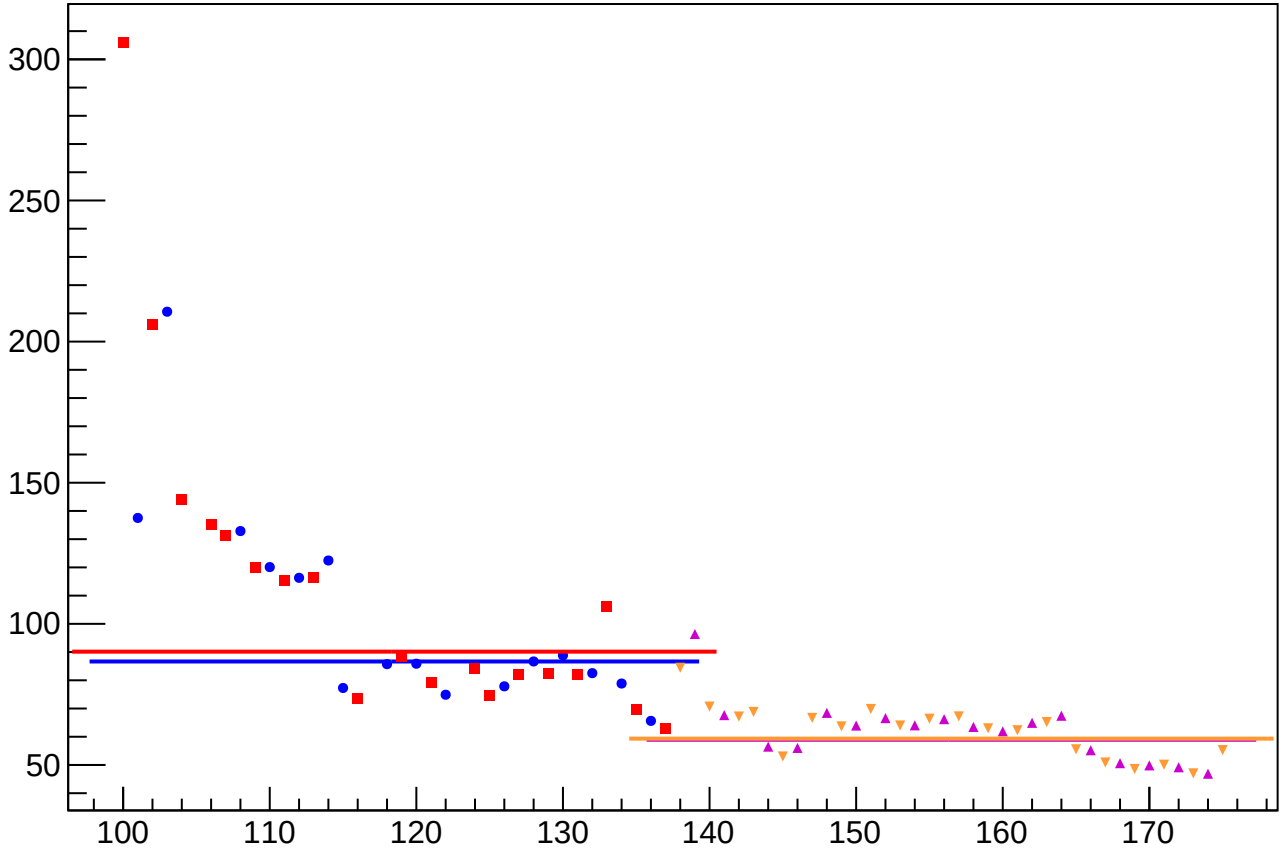
Left In: -62.724+/-15.572 χ^2/NDF:24.5/17

+ sign 40.433+/-13.839 χ^2/NDF: 69.2/35

All: -8.832+/-9.917 χ^2/NDF: 139.3/72

- sign -60.829+/-14.218 χ^2/NDF: 44.1/36

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 59.334+/-0.011 χ^2/NDF:674983.1/19

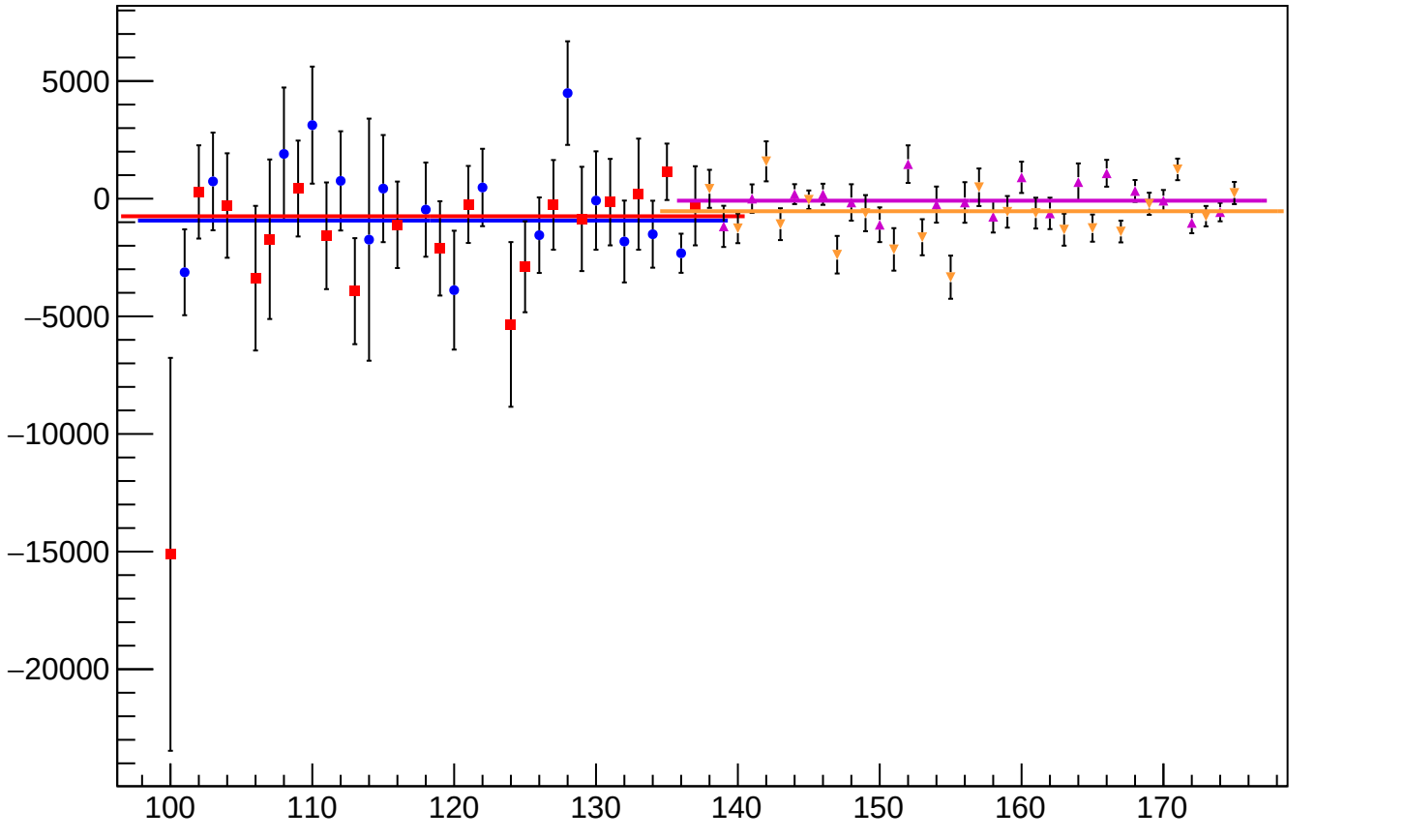
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 58.929+/-0.011 χ^2/NDF:711287.6/17

+ sign 63.894+/-0.010 χ^2/NDF: 2798205.4/35

All: 64.007+/-0.007 χ^2/NDF: 5997961.0/72

- sign 64.125+/-0.010 χ^2/NDF: 3199484.8/36



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -533.232+/-133.053 χ^2/NDF:57.6/19

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

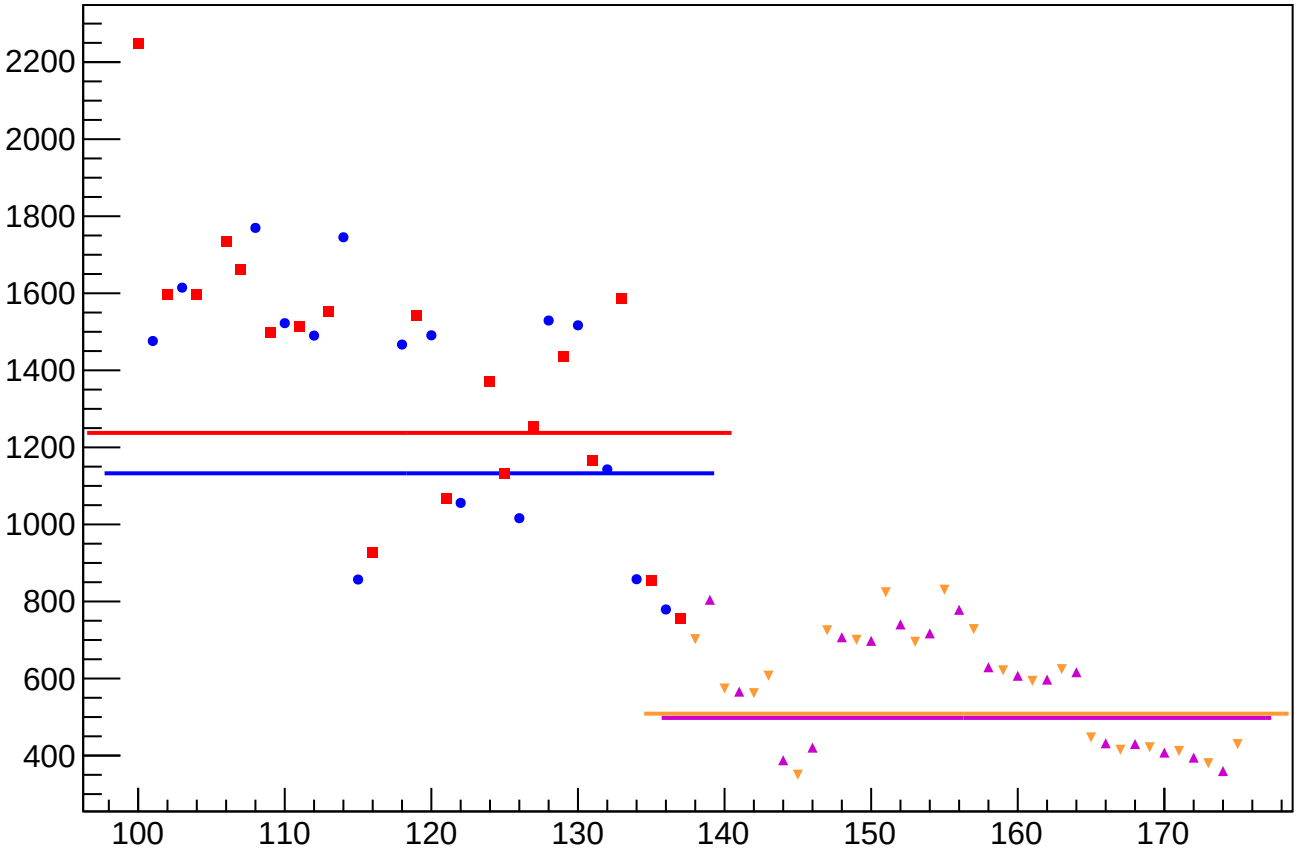
Left In: -84.820+/-134.463 χ^2/NDF:24.2/17

+ sign -566.335+/-127.379 χ^2/NDF: 76.9/35

All: -353.955+/-90.719 χ^2/NDF: 121.6/72

- sign -135.349+/-129.233 χ^2/NDF: 39.0/36

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 508.818+/-0.094 χ^2/NDF:2181296.7/19

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

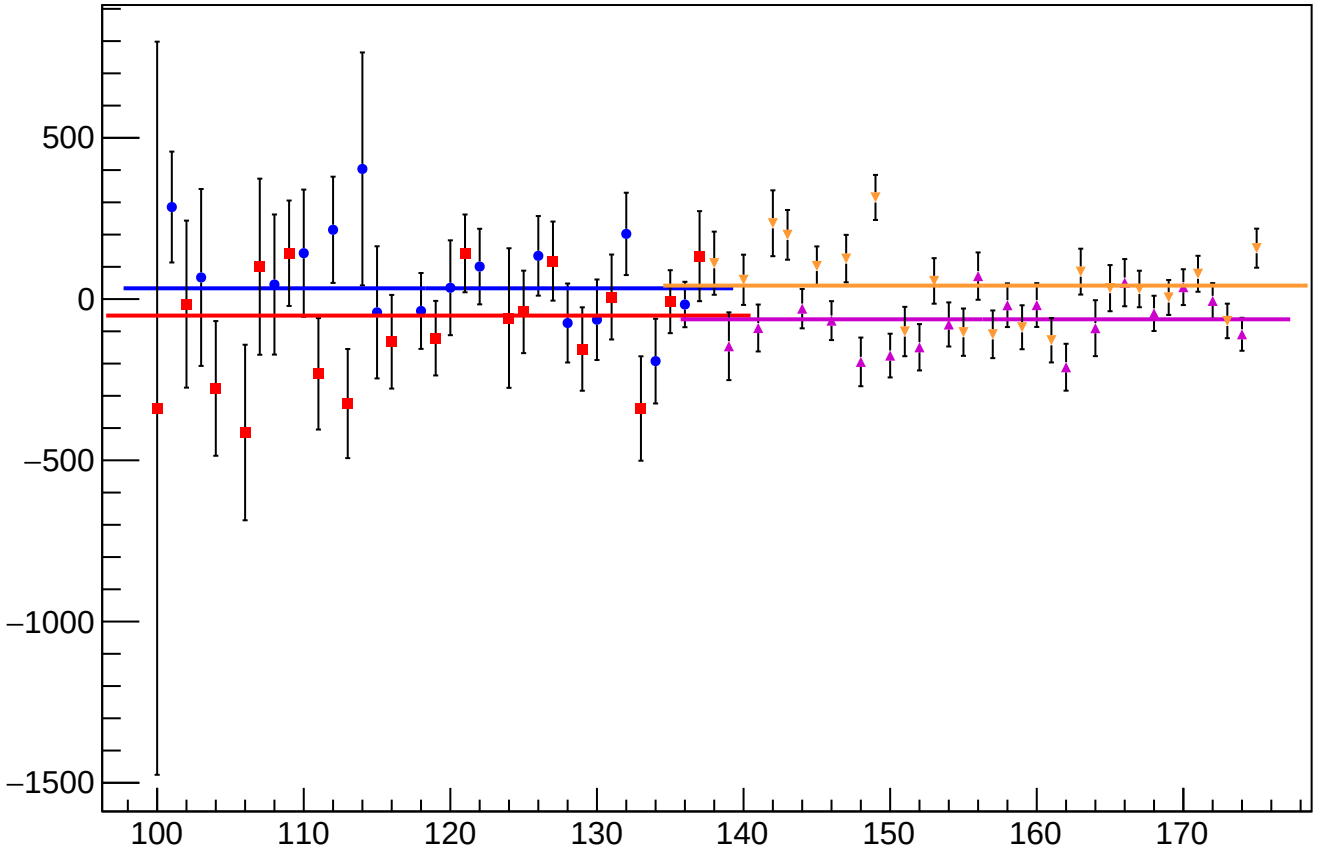
Left In: 497.777+/-0.095 χ^2/NDF:2045373.8/17

+ sign 560.892+/-0.090 χ^2/NDF: 6975726.4/35

All: 557.601+/-0.064 χ^2/NDF: 14537642.3/72

- sign 554.213+/-0.091 χ^2/NDF: 7559206.6/36

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.836+/-15.162 χ^2/NDF:56.3/19

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

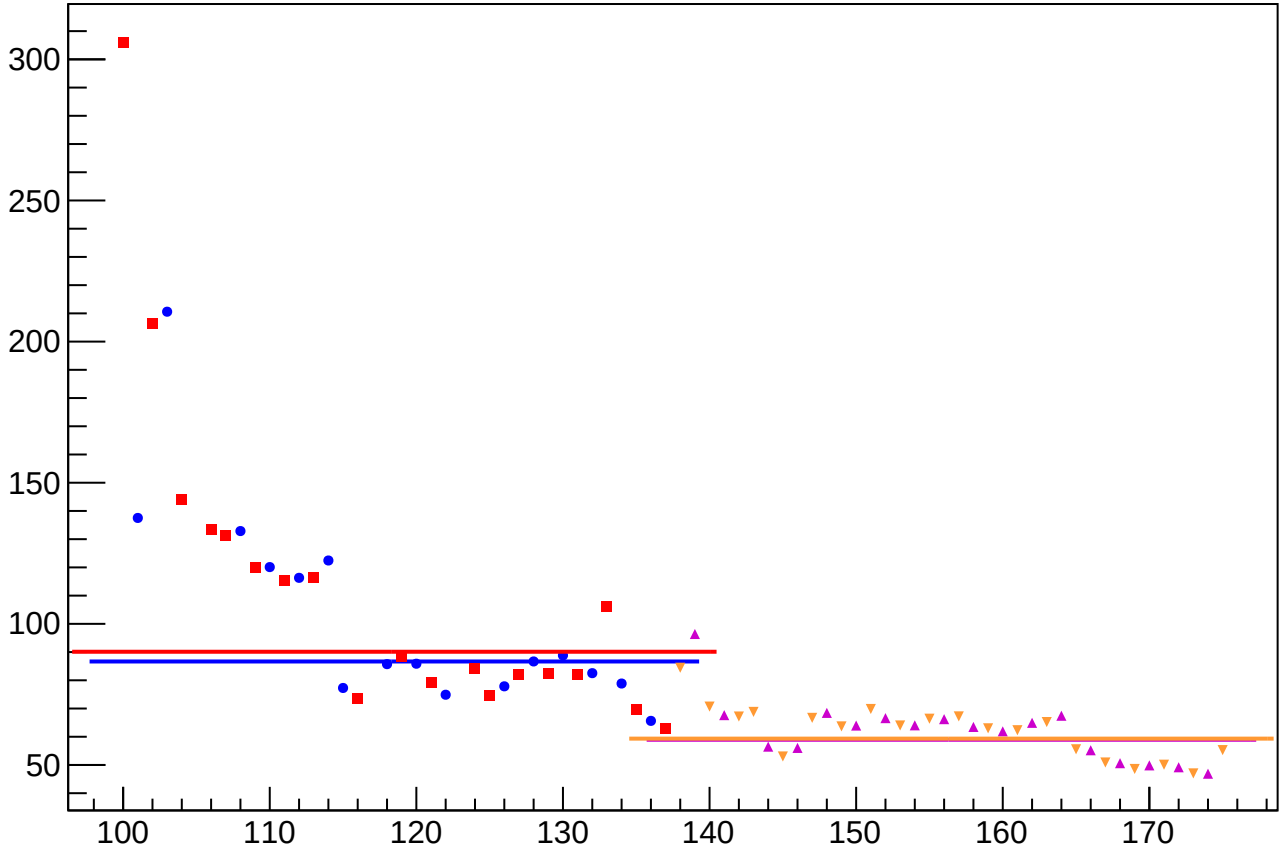
Left In: -62.722+/-15.572 χ^2/NDF:24.5/17

+ sign 40.432+/-13.839 χ^2/NDF: 69.2/35

All: -8.819+/-9.917 χ^2/NDF: 139.3/72

- sign -60.803+/-14.218 χ^2/NDF: 44.1/36

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 59.334+/-0.011 χ^2/NDF:674983.1/19

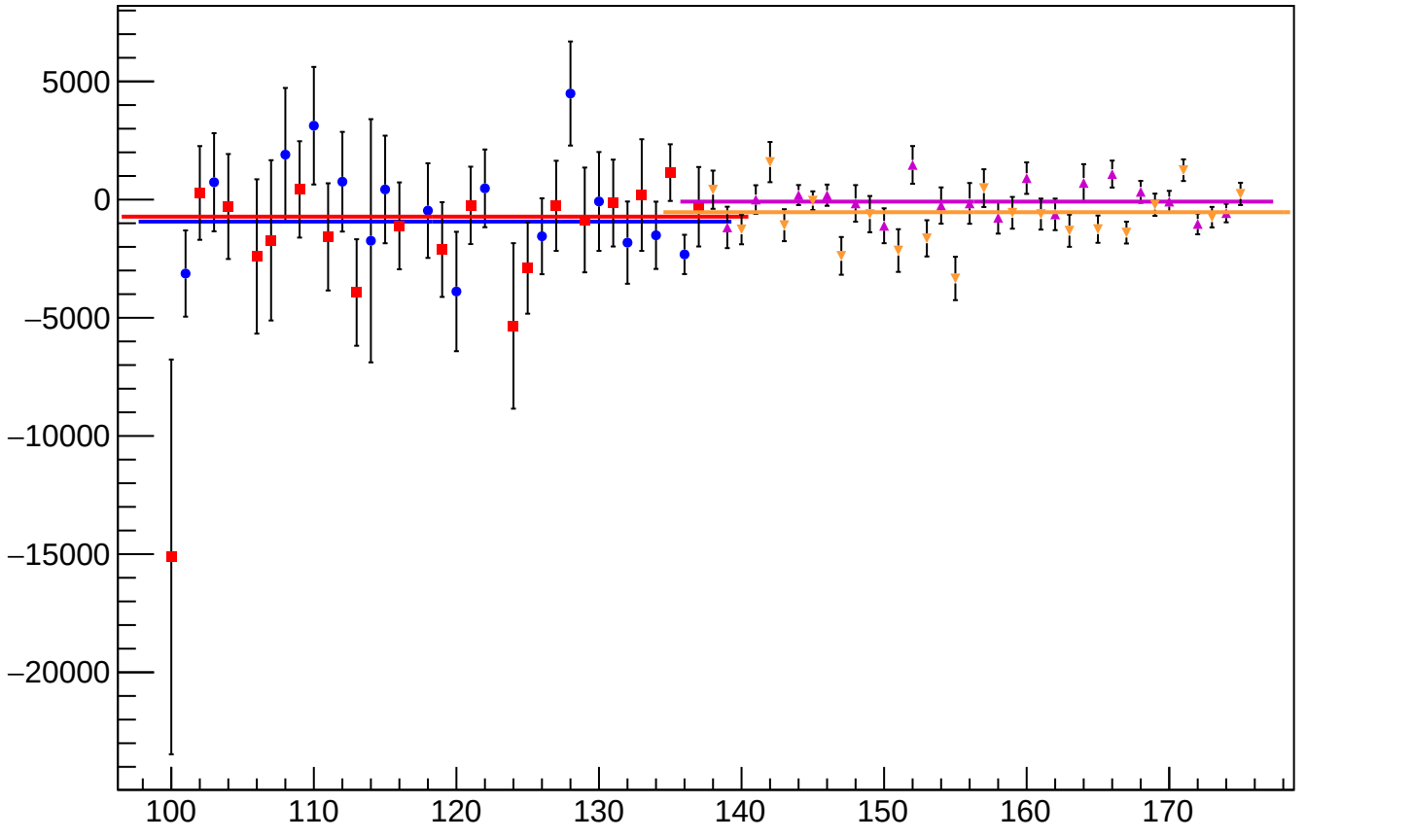
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.929+/-0.011 χ^2/NDF:711287.6/17

+ sign 63.894+/-0.010 χ^2/NDF: 2798207.7/35

All: 64.003+/-0.007 χ^2/NDF: 5989941.2/72

- sign 64.119+/-0.010 χ^2/NDF: 3191478.3/36



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -533.230+/-133.053 χ^2/NDF:57.6/19

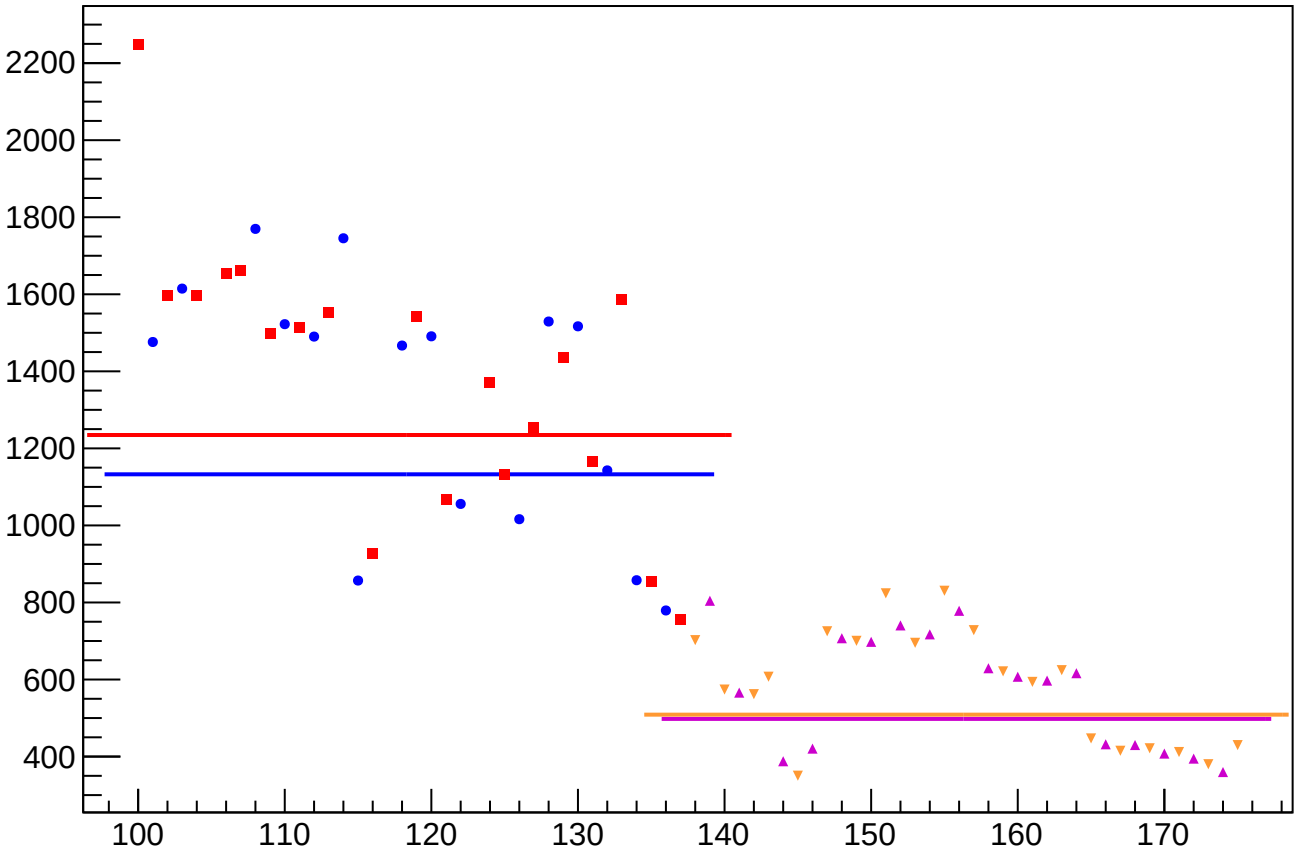
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -84.817+/-134.463 χ^2/NDF:24.2/17

+ sign -566.330+/-127.379 χ^2/NDF: 76.9/35

All: -352.913+/-90.723 χ^2/NDF: 121.0/72

- sign -133.195+/-129.246 χ^2/NDF: 38.4/36



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 508.817+/-0.094 χ^2/NDF:2181300.5/19

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

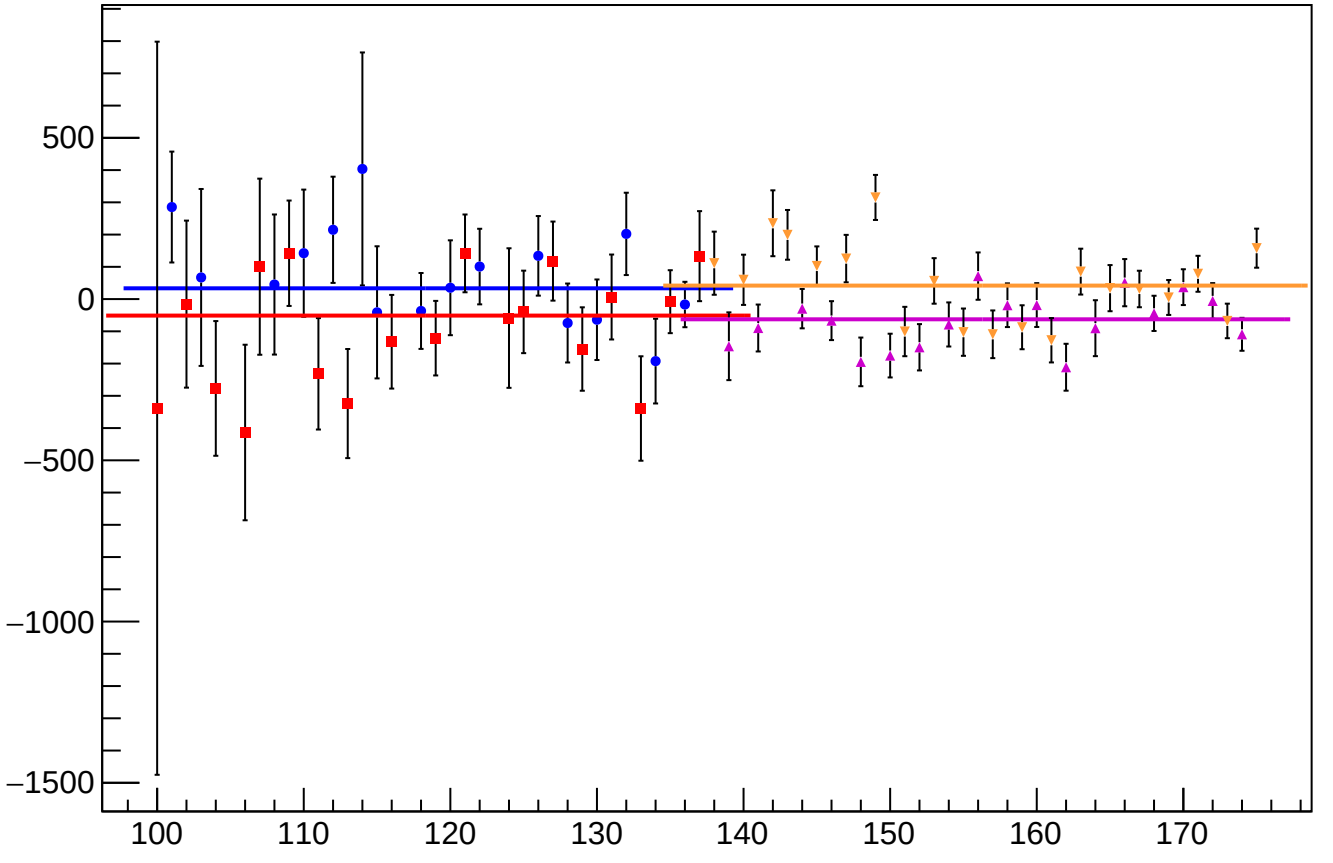
Left In: 497.777+/-0.095 χ^2/NDF:2045375.4/17

+ sign 560.892+/-0.090 χ^2/NDF: 6975766.7/35

All: 557.423+/-0.064 χ^2/NDF: 14471510.3/72

- sign 553.852+/-0.091 χ^2/NDF: 7492734.0/36

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.836+/-15.162 χ^2/NDF:56.3/19

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

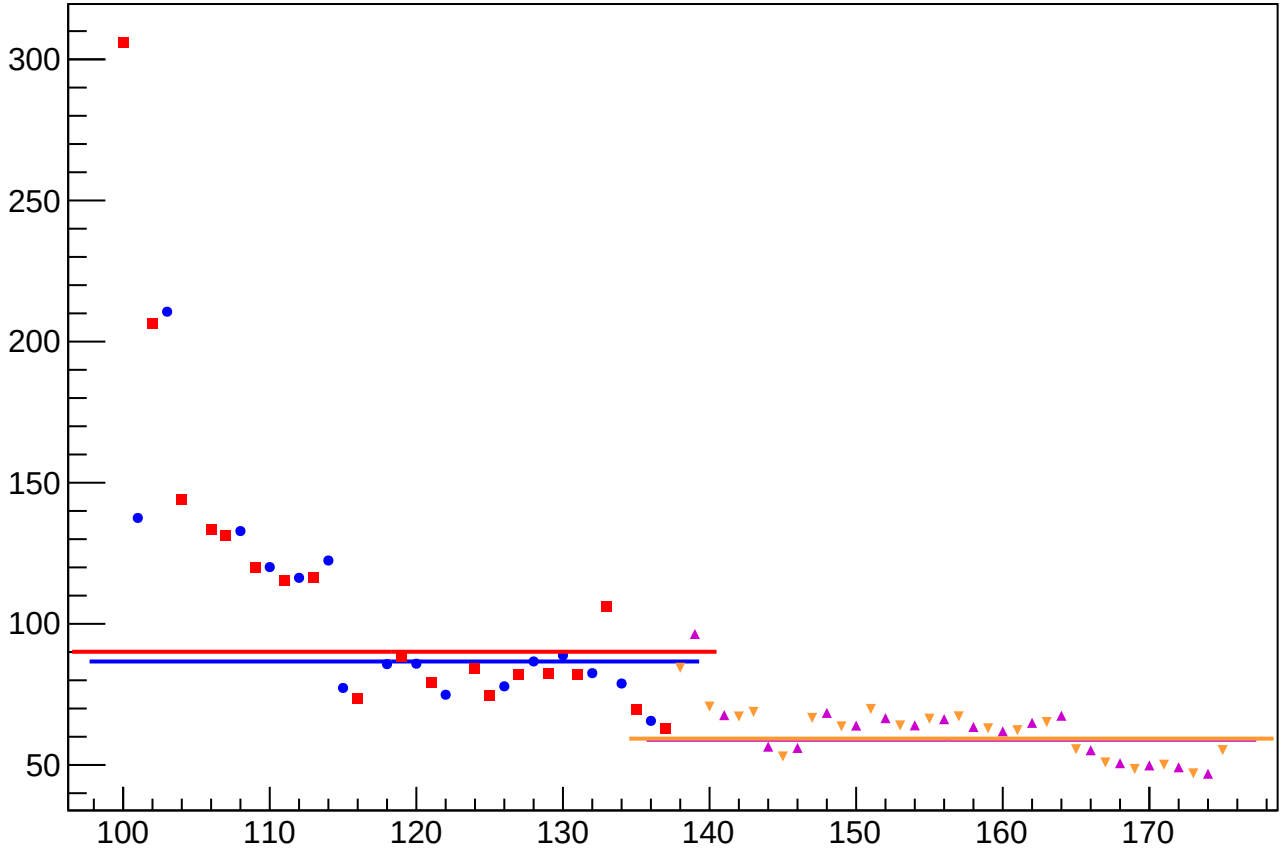
Left In: -62.722+/-15.572 χ^2/NDF:24.5/17

+ sign 40.432+/-13.839 χ^2/NDF: 69.2/35

All: -8.819+/-9.917 χ^2/NDF: 139.3/72

- sign -60.803+/-14.218 χ^2/NDF: 44.1/36

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 59.334+/-0.011 χ^2/NDF:674983.1/19

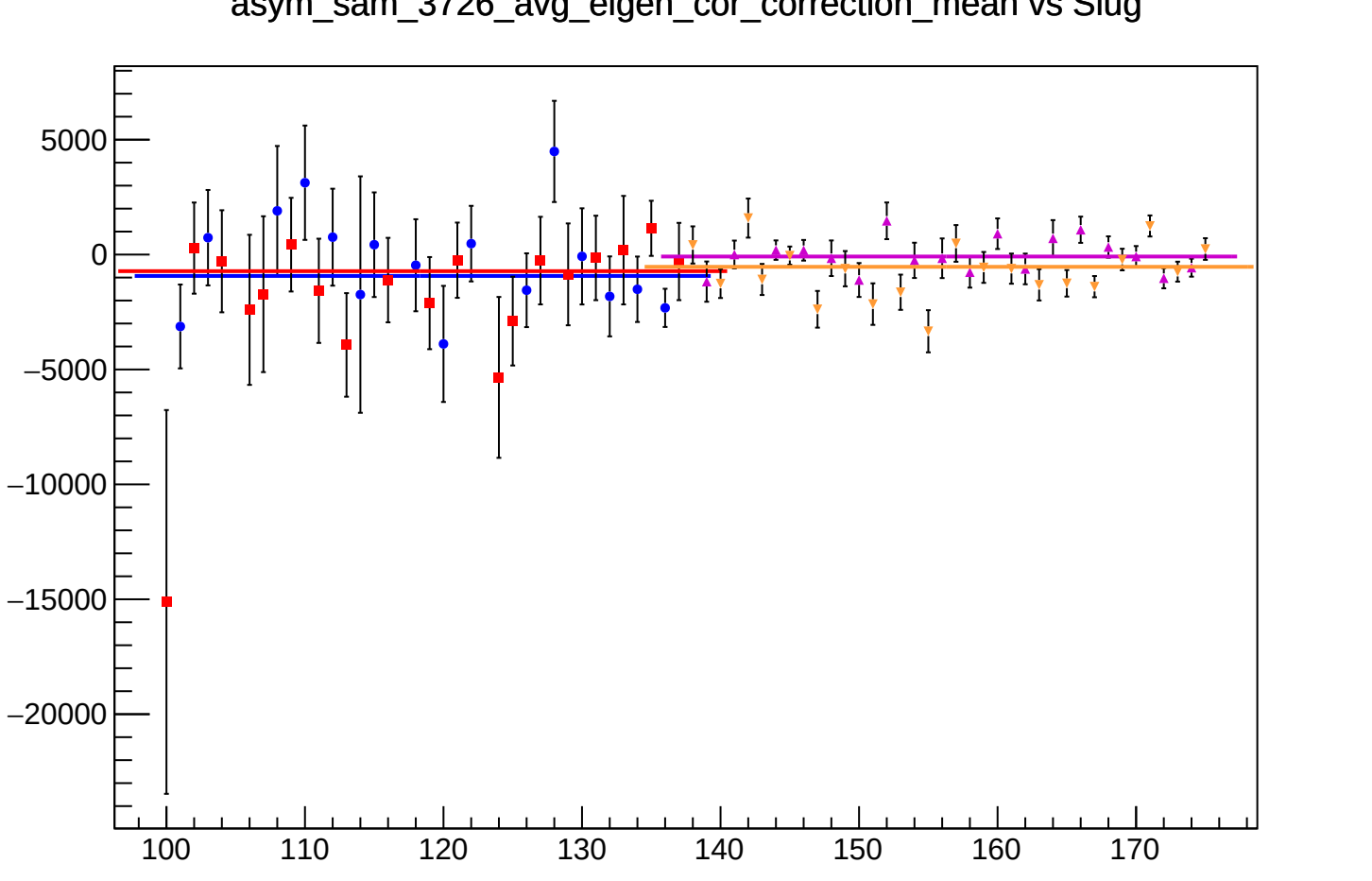
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.929+/-0.011 χ^2/NDF:711287.6/17

+ sign 63.894+/-0.010 χ^2/NDF: 2798207.7/35

All: 64.003+/-0.007 χ^2/NDF: 5989941.2/72

- sign 64.119+/-0.010 χ^2/NDF: 3191478.3/36



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -533.230+/-133.053 χ^2/NDF:57.6/19

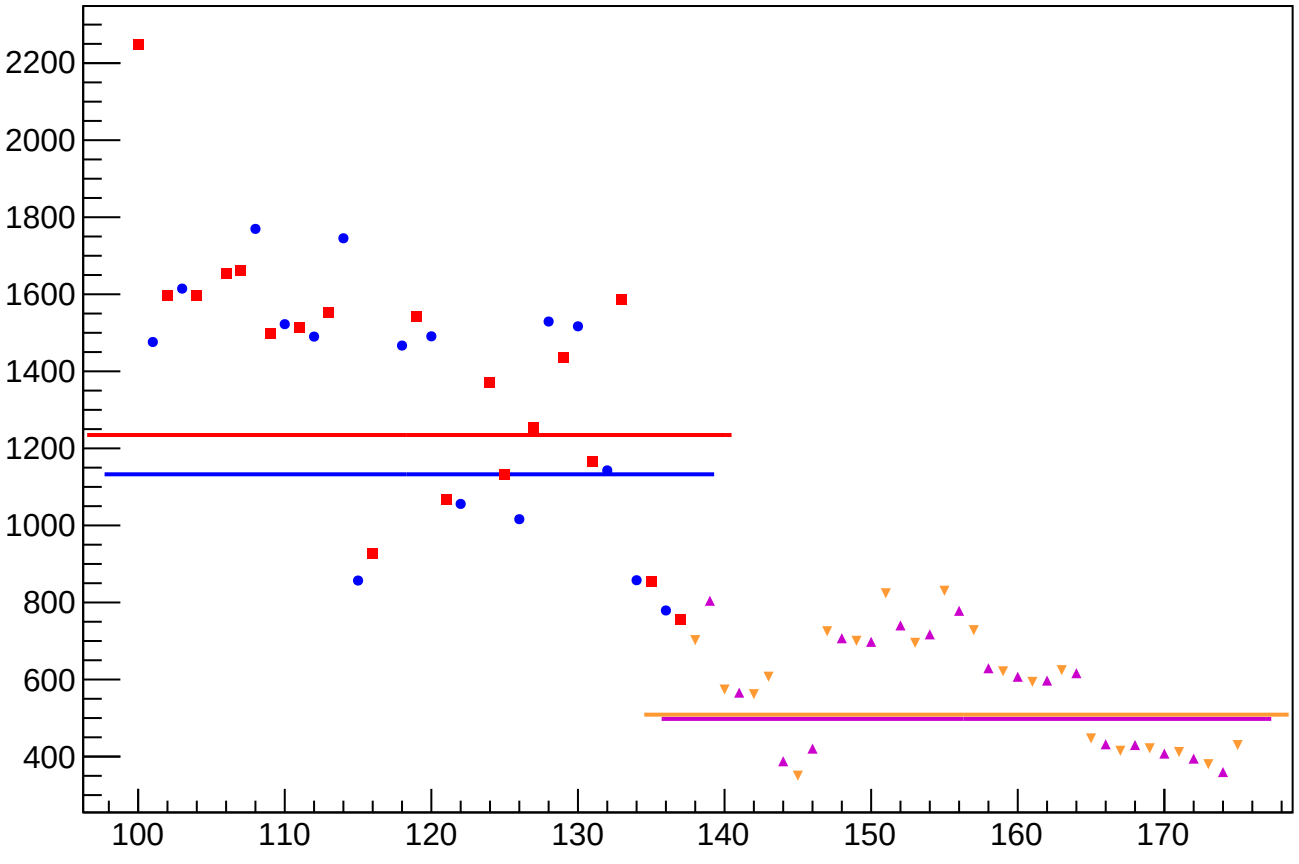
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -84.817+/-134.463 χ^2/NDF:24.2/17

+ sign -566.330+/-127.379 χ^2/NDF: 76.9/35

All: -352.913+/-90.723 χ^2/NDF: 121.0/72

- sign -133.195+/-129.246 χ^2/NDF: 38.4/36



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 508.817+/-0.094 χ^2/NDF:2181300.5/19

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

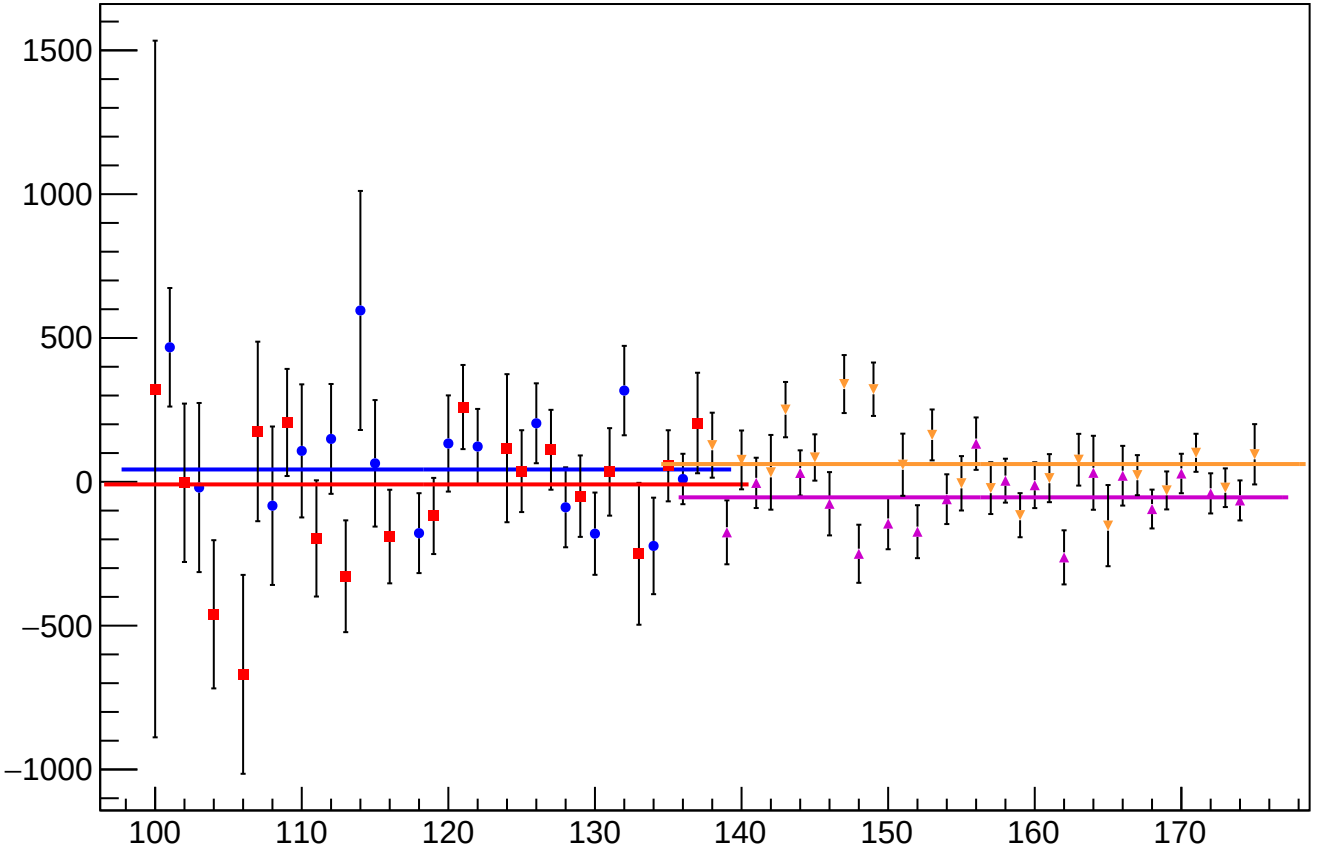
Left In: 497.777+/-0.095 χ^2/NDF:2045375.4/17

+ sign 560.892+/-0.090 χ^2/NDF: 6975766.7/35

All: 557.423+/-0.064 χ^2/NDF: 14471510.3/72

- sign 553.852+/-0.091 χ^2/NDF: 7492734.0/36

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 61.765+/-19.528 χ^2/NDF:34.7/19

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

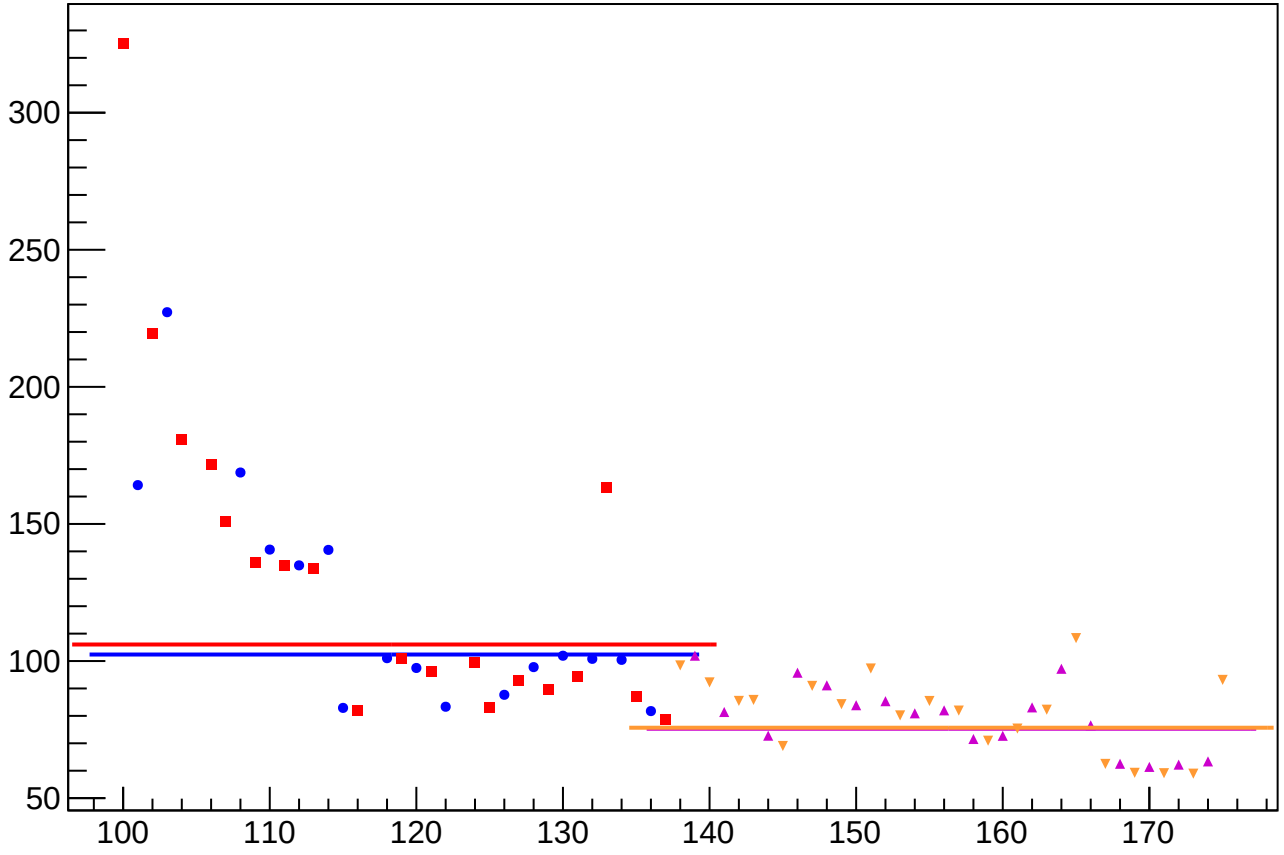
Left In: -53.941+/-20.037 χ^2/NDF:22.1/17

+ sign 58.129+/-17.544 χ^2/NDF: 55.2/35

All: 7.763+/-12.566 χ^2/NDF: 116.5/72

- sign -45.295+/-18.007 χ^2/NDF: 44.4/36

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 75.679+/-0.014 χ^2/NDF:986417.9/19

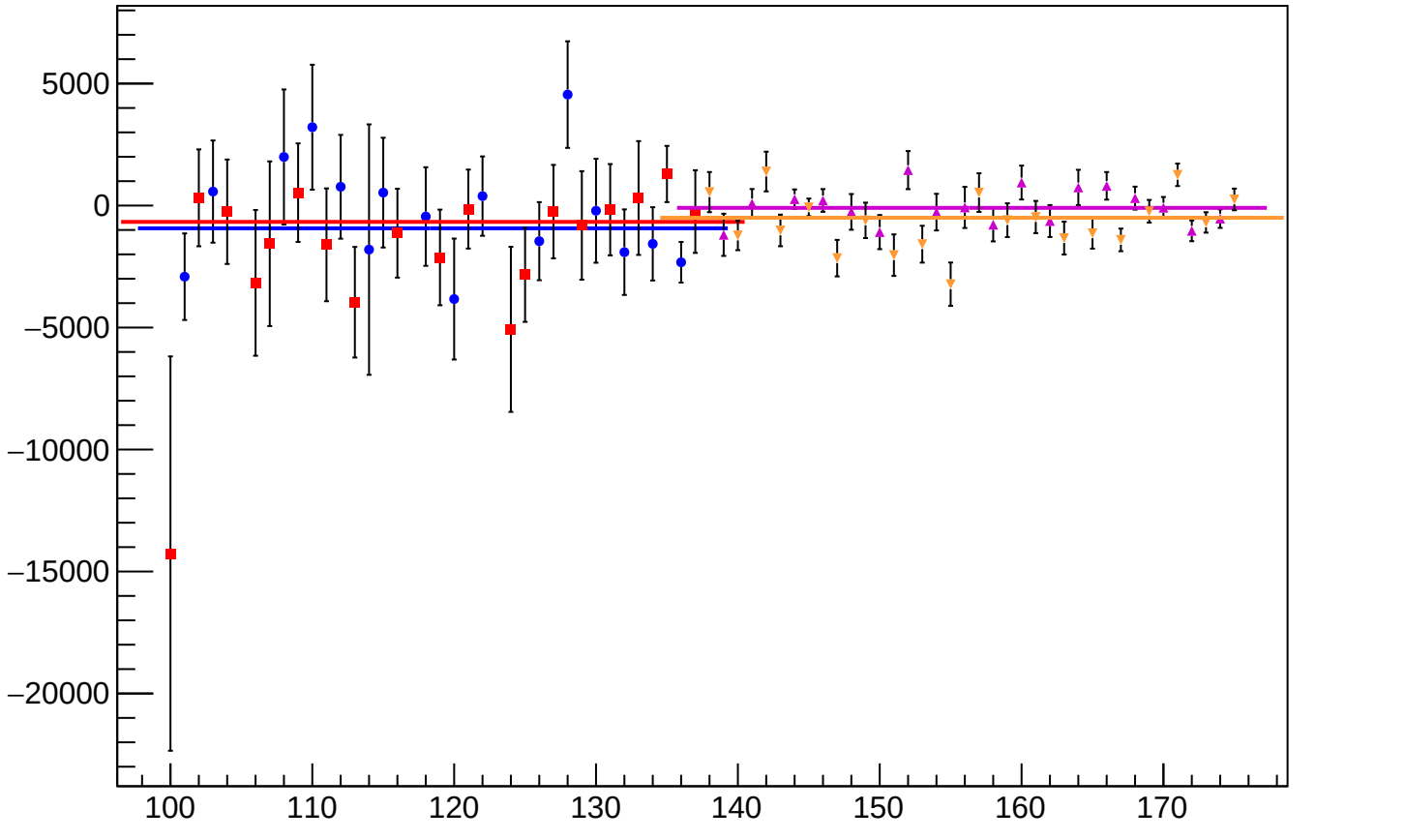
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 75.300+/-0.014 χ^2/NDF:668034.7/17

+ sign 80.828+/-0.012 χ^2/NDF: 2689844.5/35

All: 81.015+/-0.009 χ^2/NDF: 5454561.2/72

- sign 81.211+/-0.013 χ^2/NDF: 2764252.6/36



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -500.163+/-129.619 χ^2/NDF:56.3/19

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

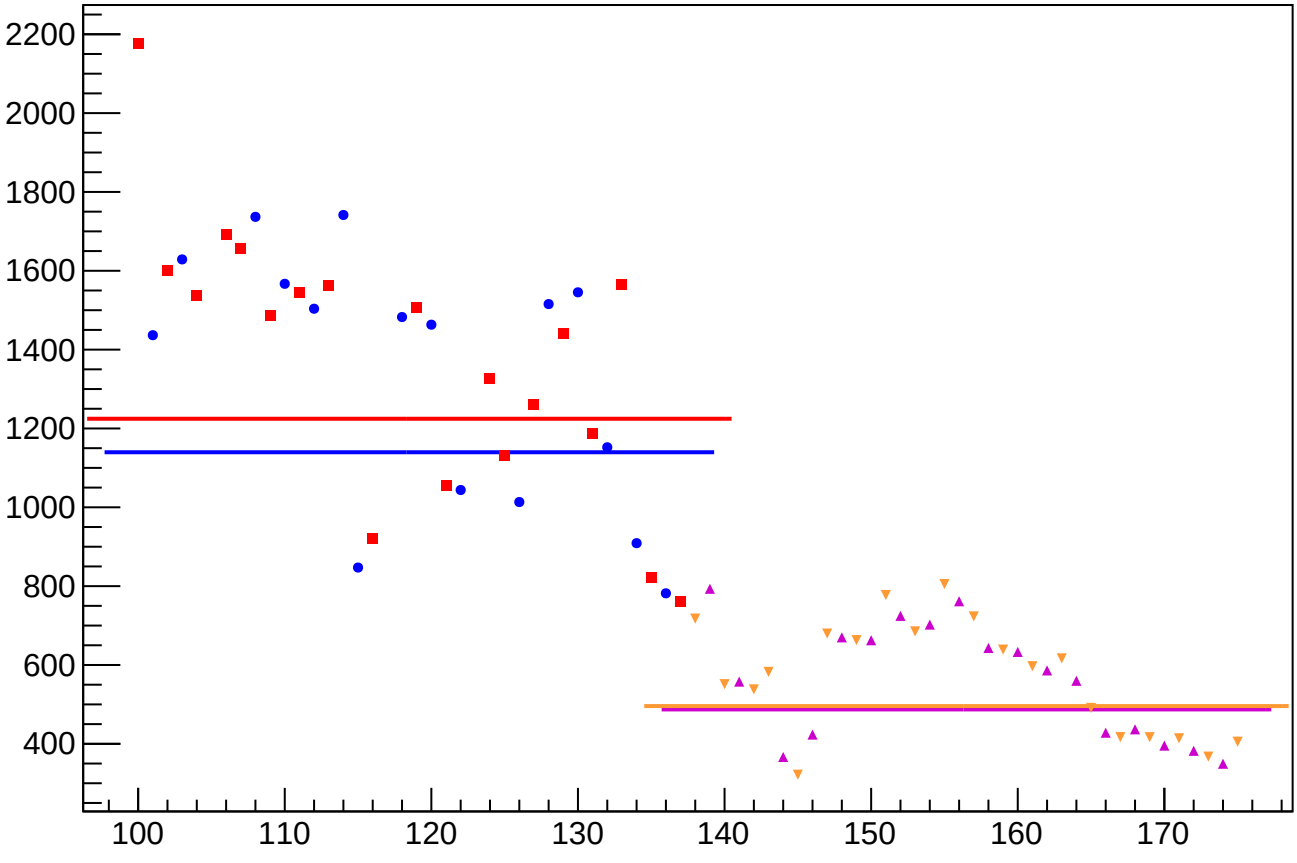
Left In: -94.149+/-131.890 χ^2/NDF:23.8/17

+ sign -534.287+/-124.397 χ^2/NDF: 75.7/35

All: -339.627+/-88.816 χ^2/NDF: 119.3/72

- sign -137.222+/-126.848 χ^2/NDF: 38.7/36

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 495.761+/-0.092 χ^2/NDF:2300758.5/19

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

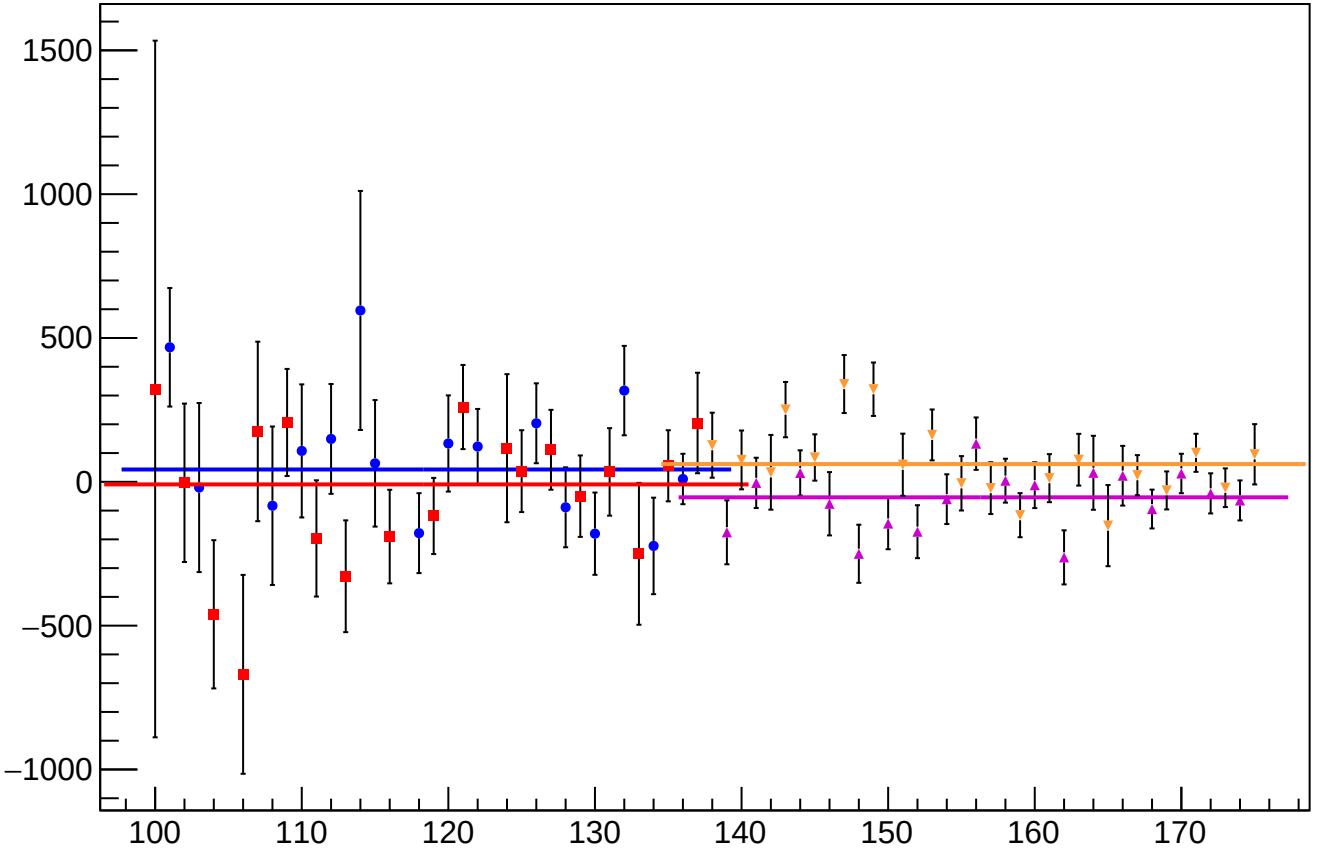
Left In: 487.268+/-0.093 χ^2/NDF:2085049.7/17

+ sign 546.597+/-0.088 χ^2/NDF: 7290694.3/35

All: 544.620+/-0.063 χ^2/NDF: 14987134.4/72

- sign 542.564+/-0.090 χ^2/NDF: 7695409.2/36

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 61.764+/-19.528 χ^2/NDF:34.7/19

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

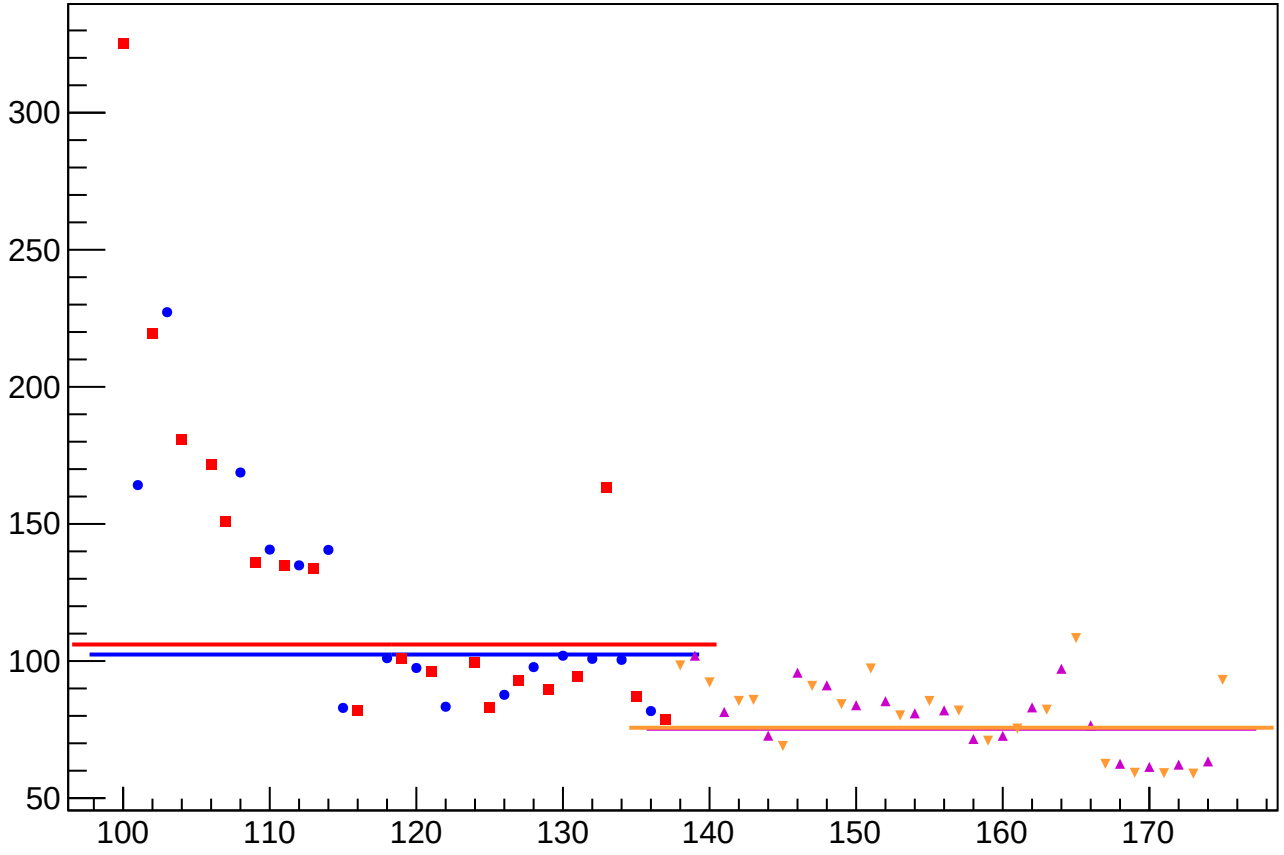
Left In: -53.940+/-20.037 χ^2/NDF:22.1/17

+ sign 58.128+/-17.544 χ^2/NDF: 55.2/35

All: 7.764+/-12.566 χ^2/NDF: 116.5/72

- sign -45.294+/-18.007 χ^2/NDF: 44.4/36

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 75.679+/-0.014 χ^2/NDF:986416.8/19

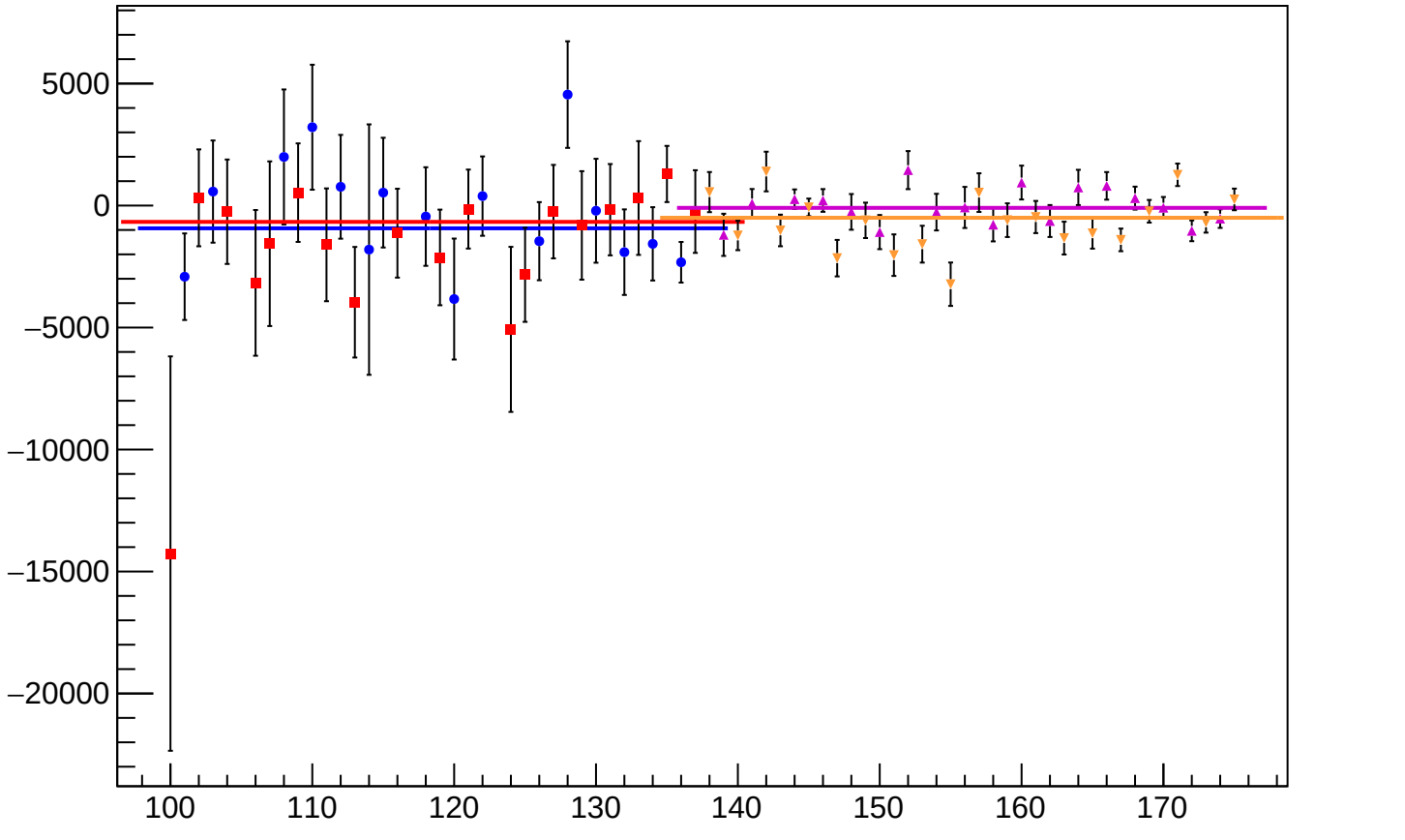
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 75.301+/-0.014 χ^2/NDF:668030.6/17

+ sign 80.828+/-0.012 χ^2/NDF: 2689815.7/35

All: 81.015+/-0.009 χ^2/NDF: 5454506.9/72

- sign 81.211+/-0.013 χ^2/NDF: 2764226.9/36



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -500.163+/-129.619 χ^2/NDF:56.3/19

Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

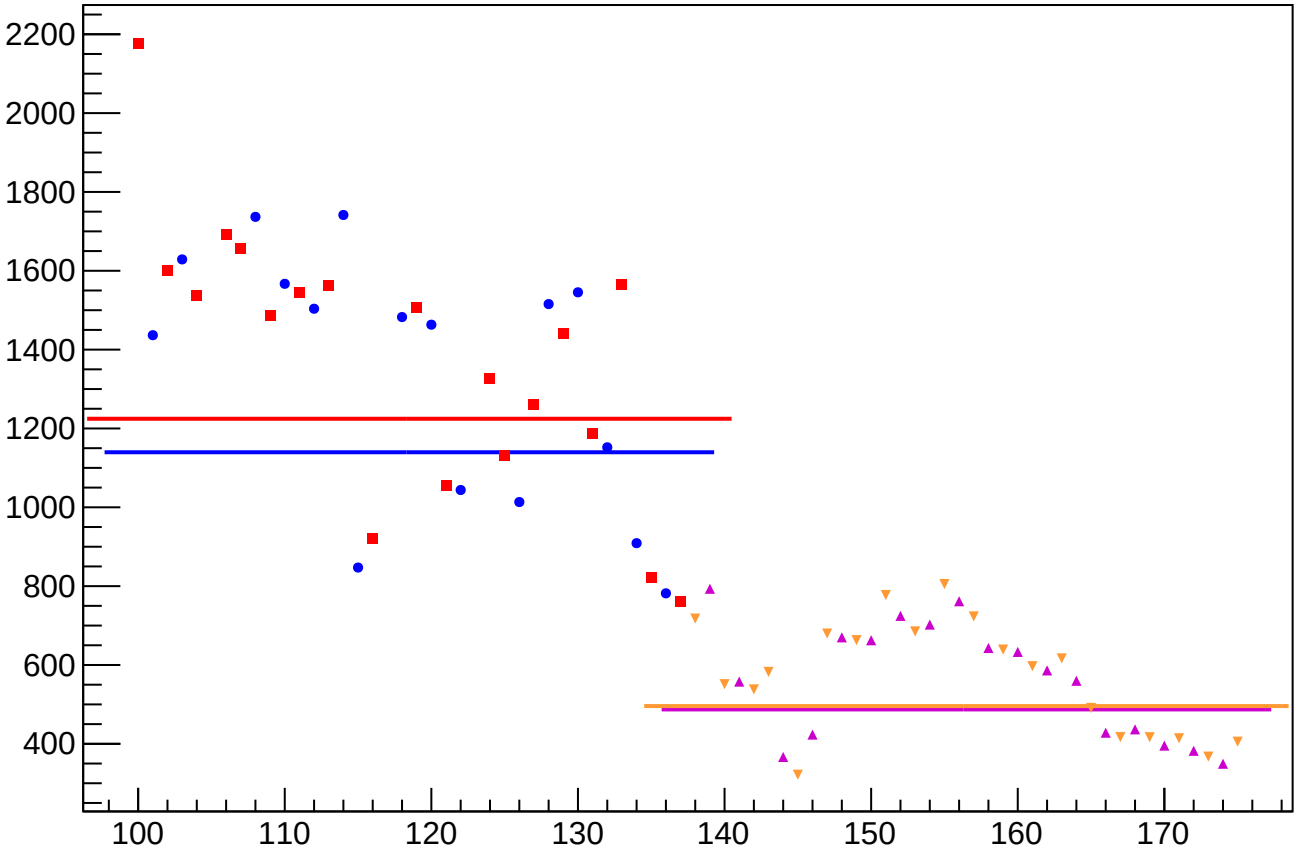
Left In: -94.148+/-131.890 χ^2/NDF:23.8/17

+ sign -534.286+/-124.397 χ^2/NDF: 75.7/35

All: -339.627+/-88.816 χ^2/NDF: 119.3/72

- sign -137.221+/-126.848 χ^2/NDF: 38.7/36

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 495.761+/-0.092 χ^2/NDF:2300764.4/19

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

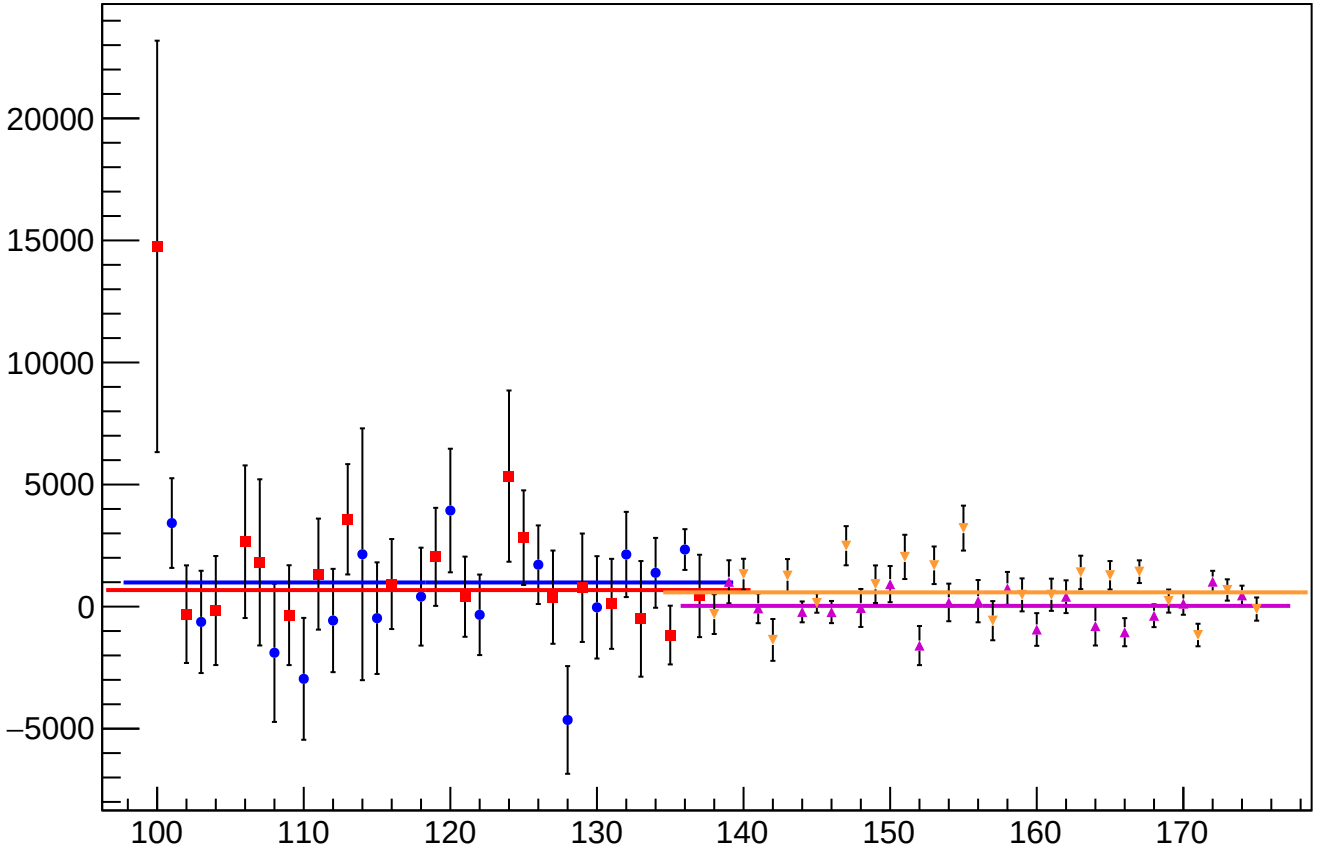
Left In: 487.268+/-0.093 χ^2/NDF:2085043.3/17

+ sign 546.597+/-0.088 χ^2/NDF: 7290689.9/35

All: 544.620+/-0.063 χ^2/NDF: 14987107.5/72

- sign 542.564+/-0.090 χ^2/NDF: 7695386.9/36

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 584.464+/-134.028 χ^2/NDF:54.0/19

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

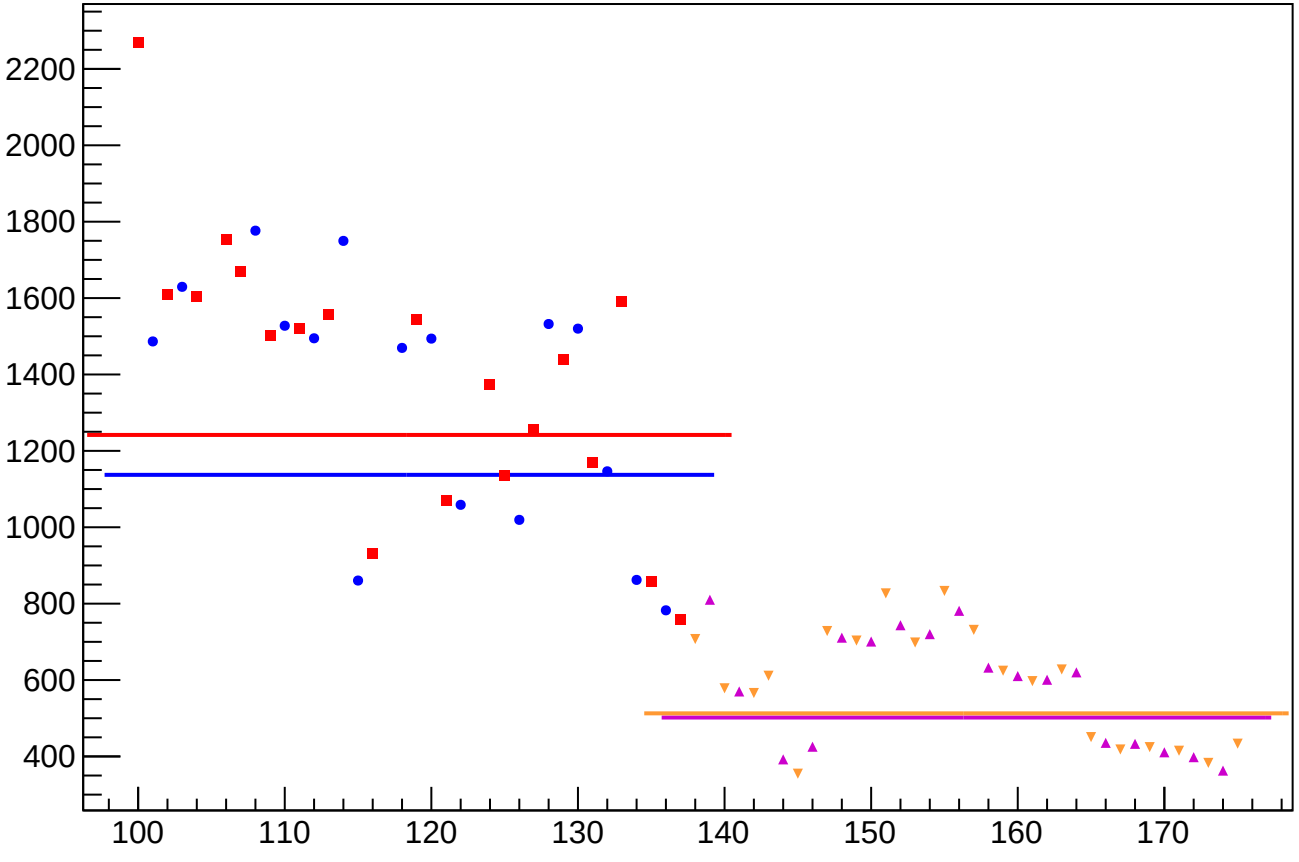
Left In: 30.465+/-135.496 χ^2/NDF:22.7/17

+ sign 618.466+/-128.276 χ^2/NDF: 73.8/35

All: 353.306+/-91.373 χ^2/NDF: 118.8/72

- sign 80.192+/-130.186 χ^2/NDF: 36.4/36

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 512.798+/-0.095 χ^2/NDF:2152049.1/19

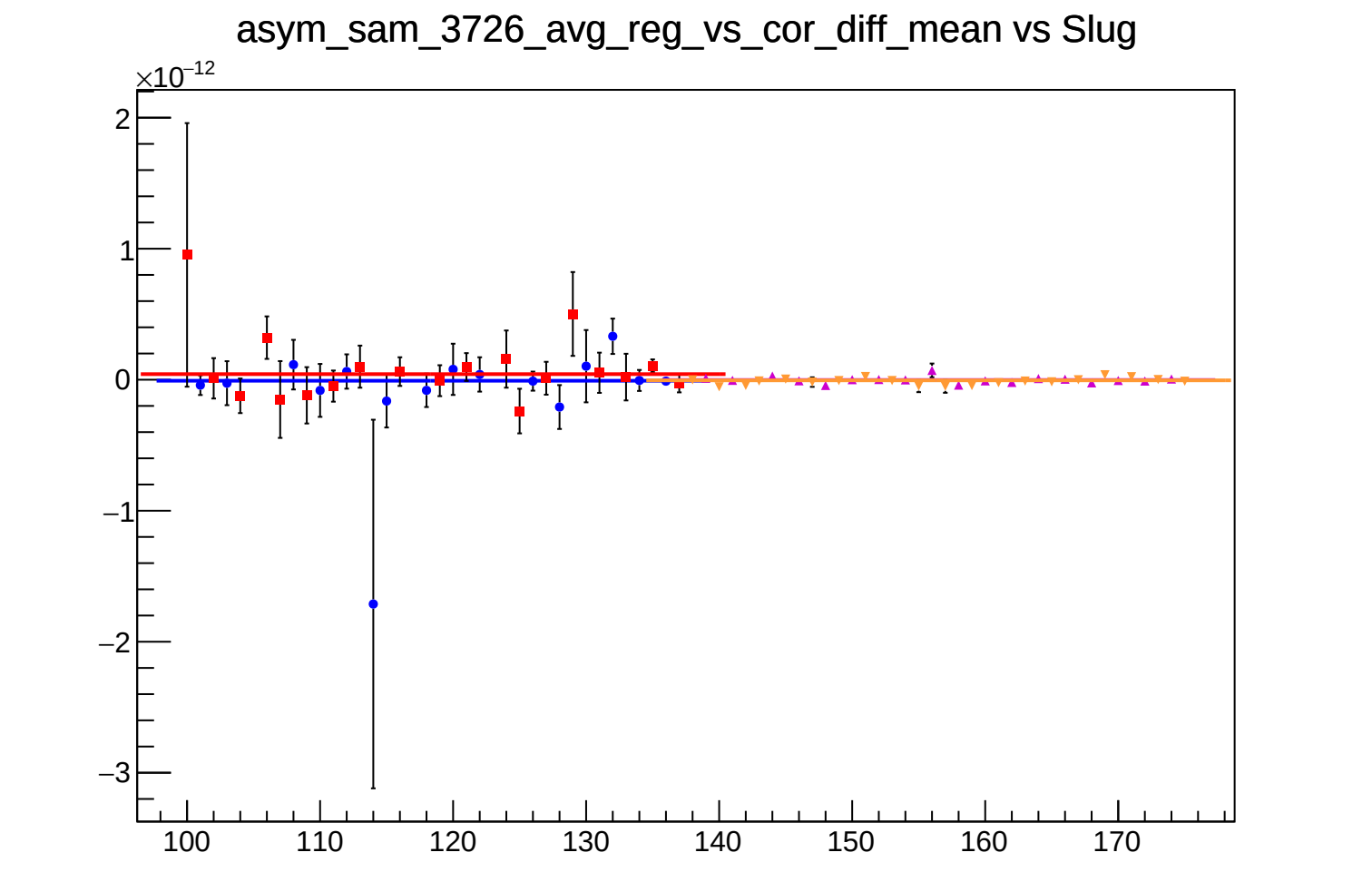
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 501.849+/-0.096 χ^2/NDF:2018867.9/17

+ sign 565.240+/-0.091 χ^2/NDF: 6921584.5/35

All: 562.018+/-0.065 χ^2/NDF: 14424426.0/72

- sign 558.699+/-0.092 χ^2/NDF: 7500279.8/36



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

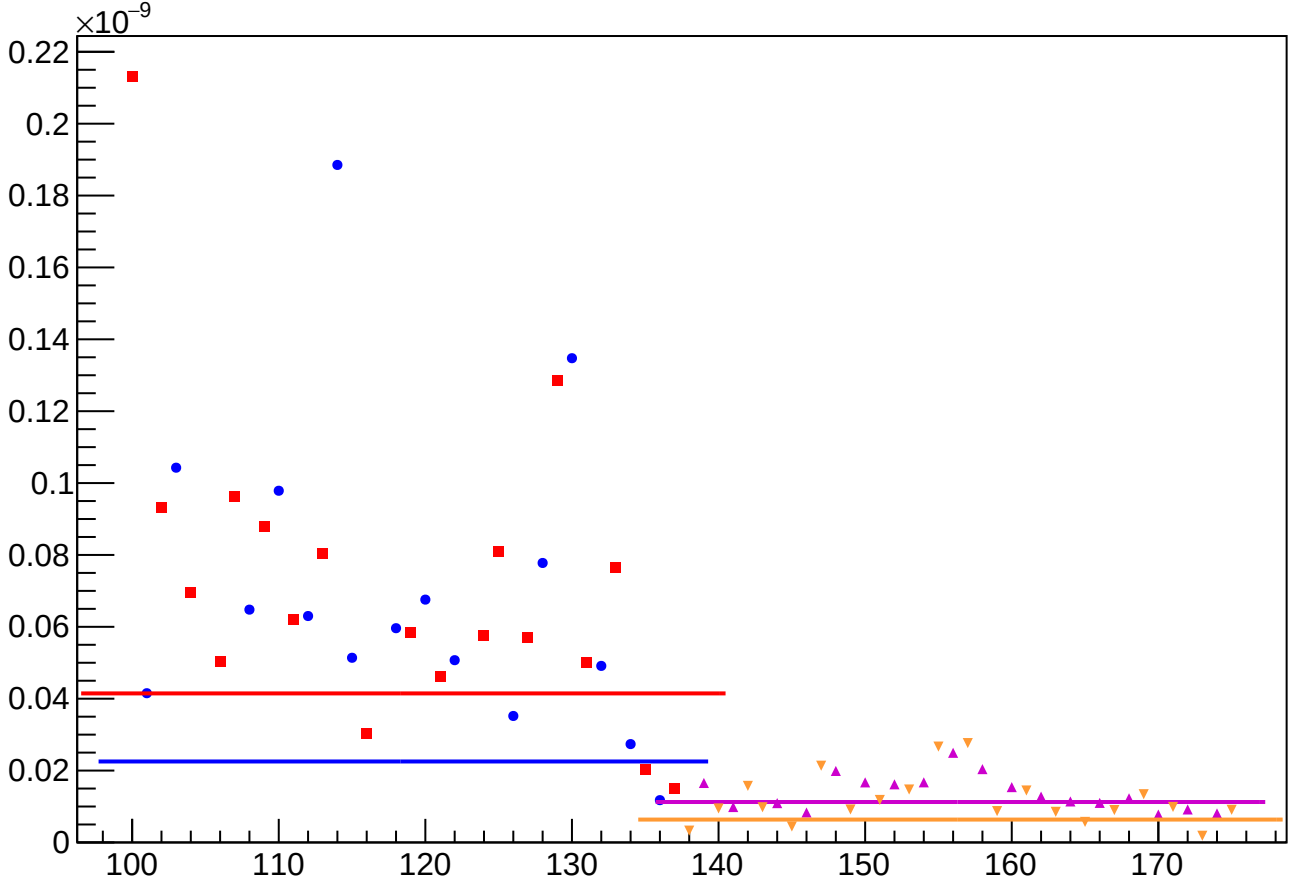
Left In: -0.000+/-0.000 χ^2/NDF:10.9/17

+ sign -0.000+/-0.000 χ^2/NDF: 38.6/35

All: -0.000+/-0.000 χ^2/NDF: 68.2/72

- sign -0.000+/-0.000 χ^2/NDF: 29.1/36

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3677876.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

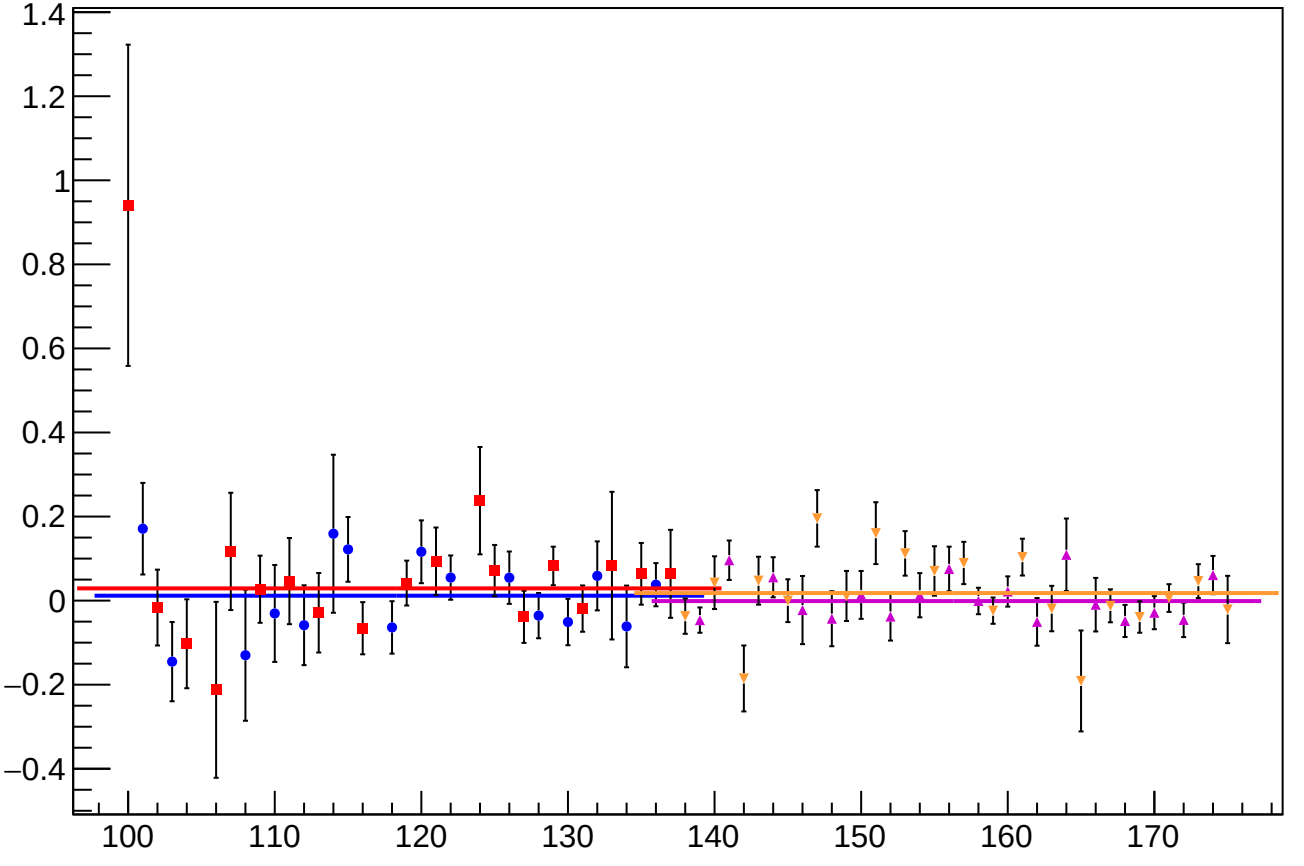
Left In: 0.000+/-0.000 χ^2/NDF:1079903.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 8204393.4/35

All: 0.000+/-0.000 χ^2/NDF: 15140152.4/72

- sign 0.000+/-0.000 χ^2/NDF: 5336510.0/36

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.018+/-0.011 χ^2/NDF:38.6/19

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

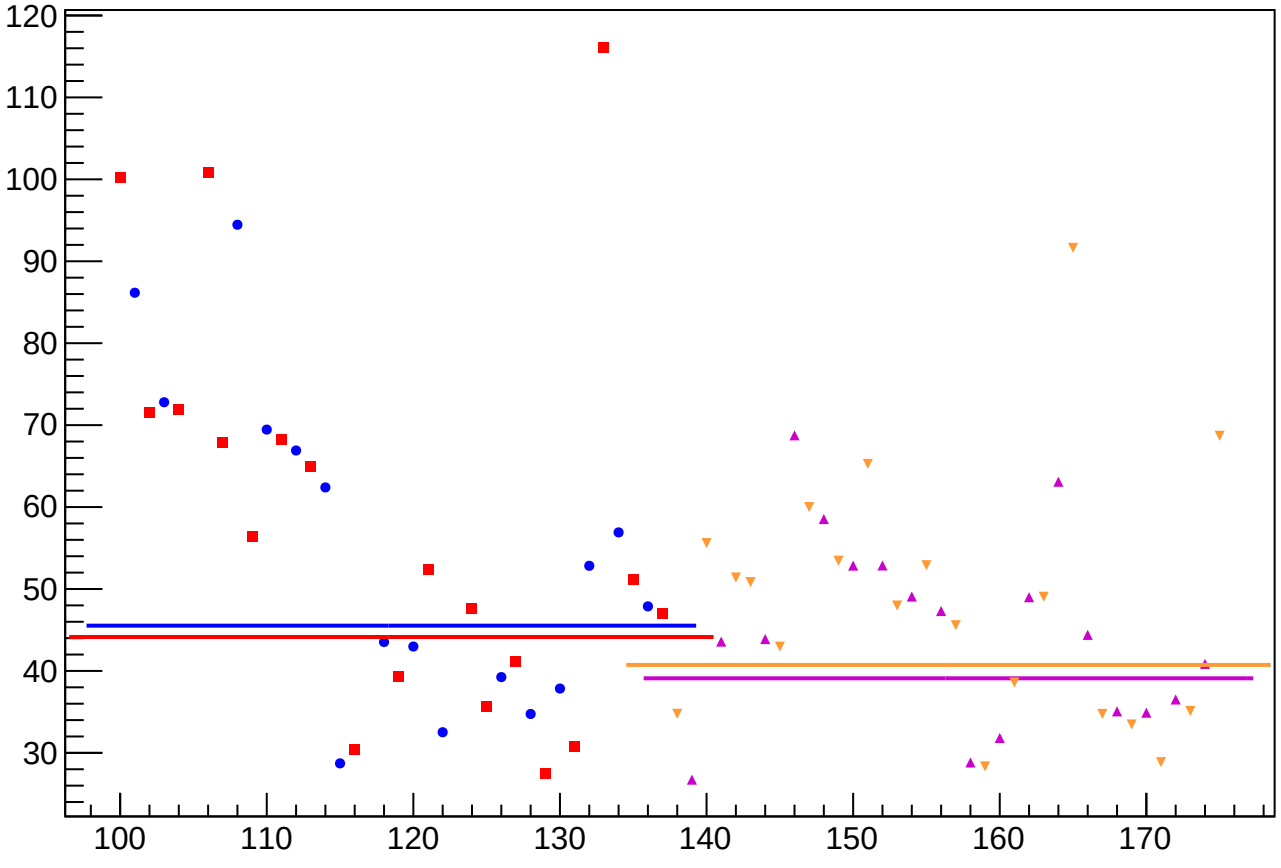
Left In: -0.001+/-0.011 χ^2/NDF:19.0/17

+ sign 0.016+/-0.009 χ^2/NDF: 55.5/35

All: 0.012+/-0.007 χ^2/NDF: 96.6/72

- sign 0.007+/-0.009 χ^2/NDF: 40.6/36

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 40.733+/-0.008 χ^2/NDF:2264354.6/19

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

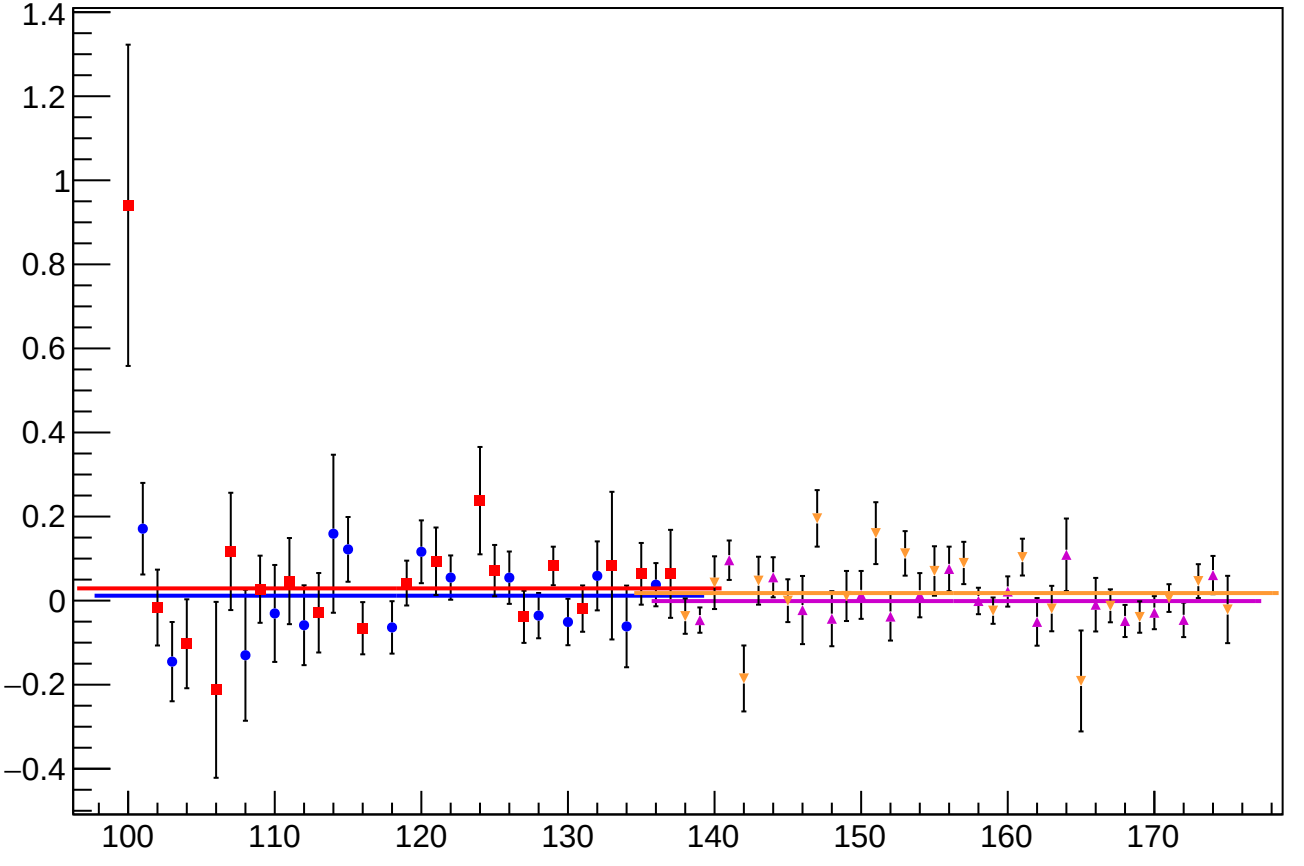
Left In: 39.099+/-0.008 χ^2/NDF:1752268.7/17

+ sign 41.986+/-0.007 χ^2/NDF: 3619400.4/35

All: 41.204+/-0.005 χ^2/NDF: 7259127.2/72

- sign 40.444+/-0.007 χ^2/NDF: 3612260.8/36

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.018+/-0.011 χ^2/NDF:38.6/19

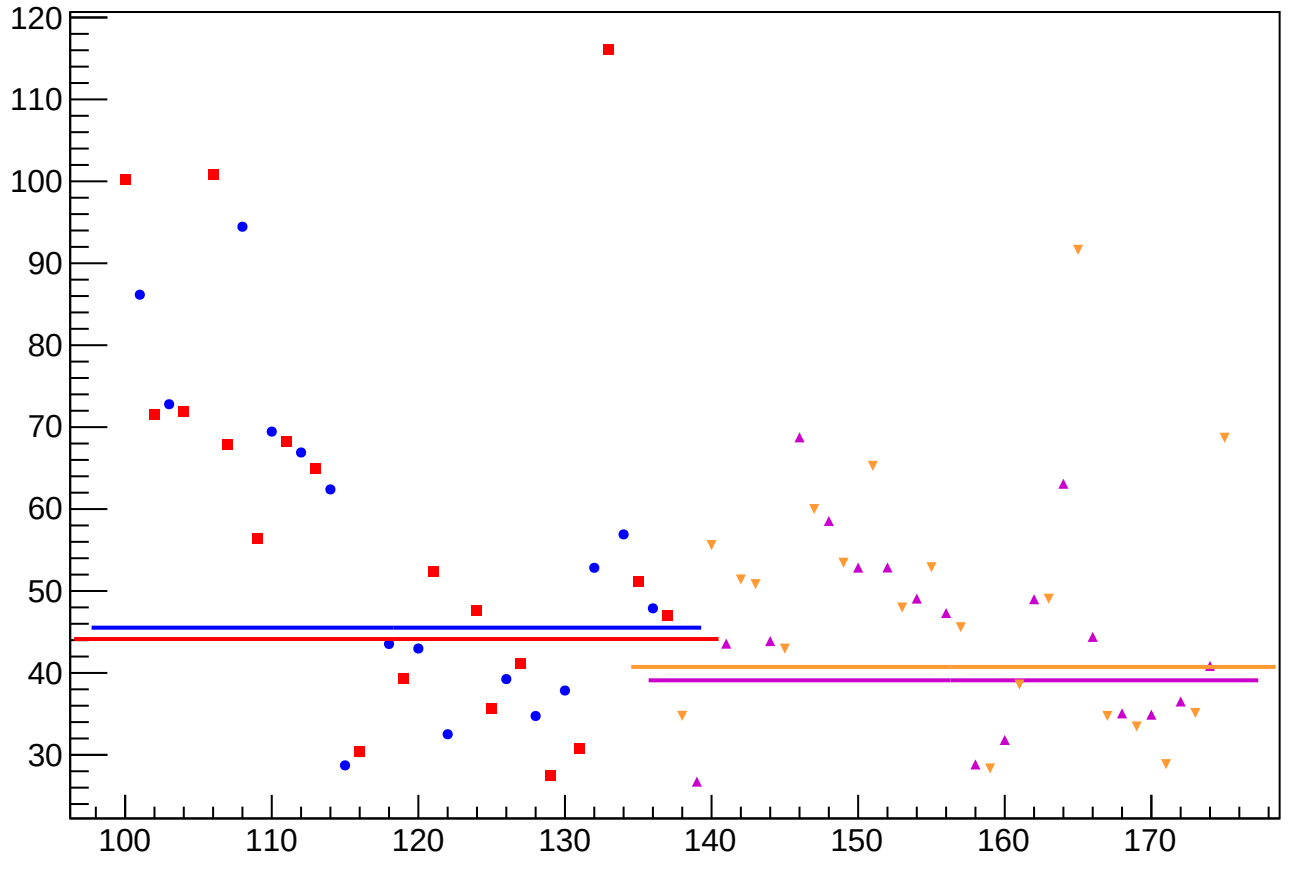
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.011 χ^2/NDF:19.0/17

+ sign 0.016+/-0.009 χ^2/NDF: 55.5/35

All: 0.012+/-0.007 χ^2/NDF: 96.6/72

- sign 0.007+/-0.009 χ^2/NDF: 40.6/36



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 40.733+/-0.008 χ^2/NDF:2264354.6/19

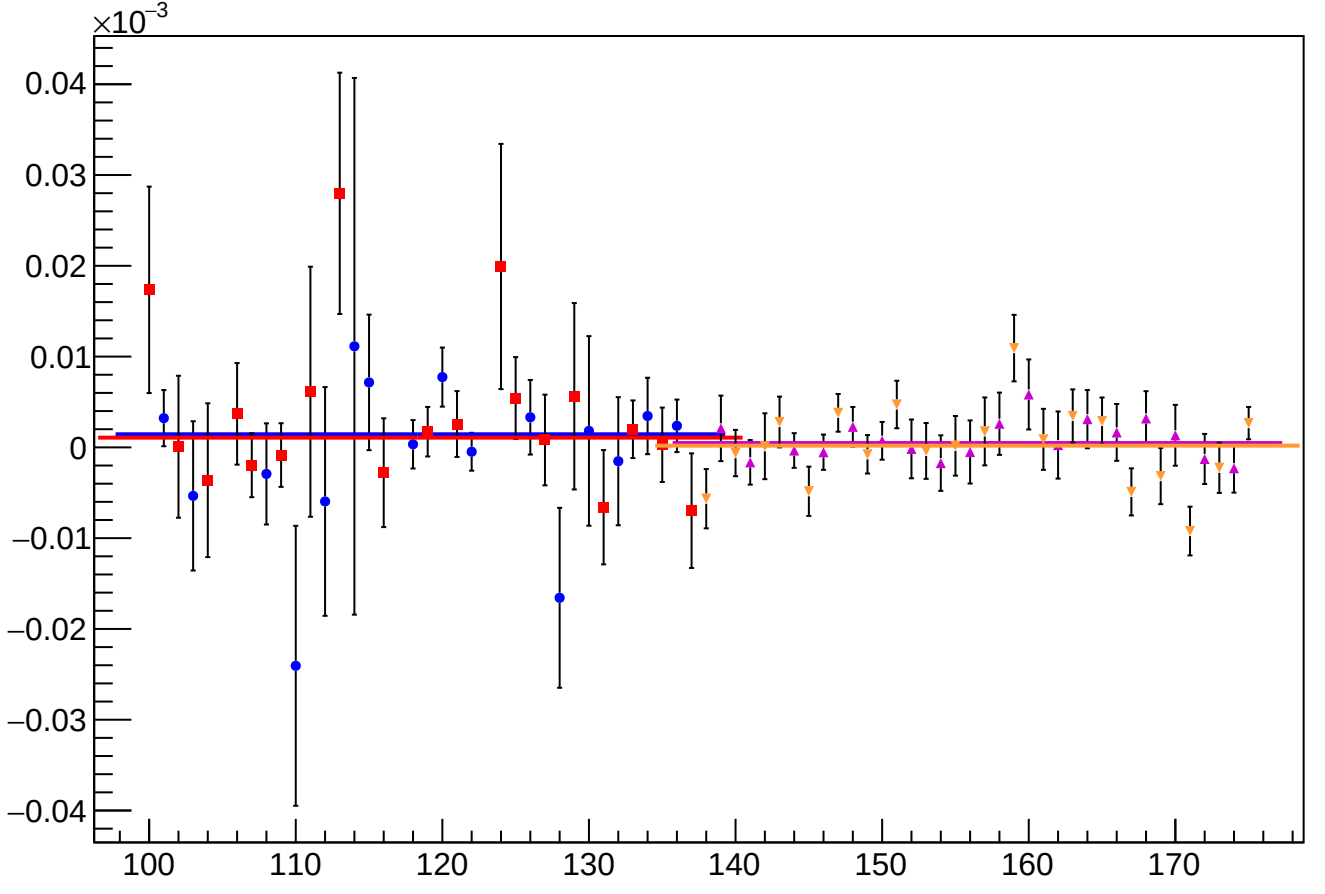
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.099+/-0.008 χ^2/NDF:1752268.7/17

+ sign 41.986+/-0.007 χ^2/NDF: 3619400.4/35

All: 41.204+/-0.005 χ^2/NDF: 7259127.2/72

- sign 40.444+/-0.007 χ^2/NDF: 3612260.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.1/19

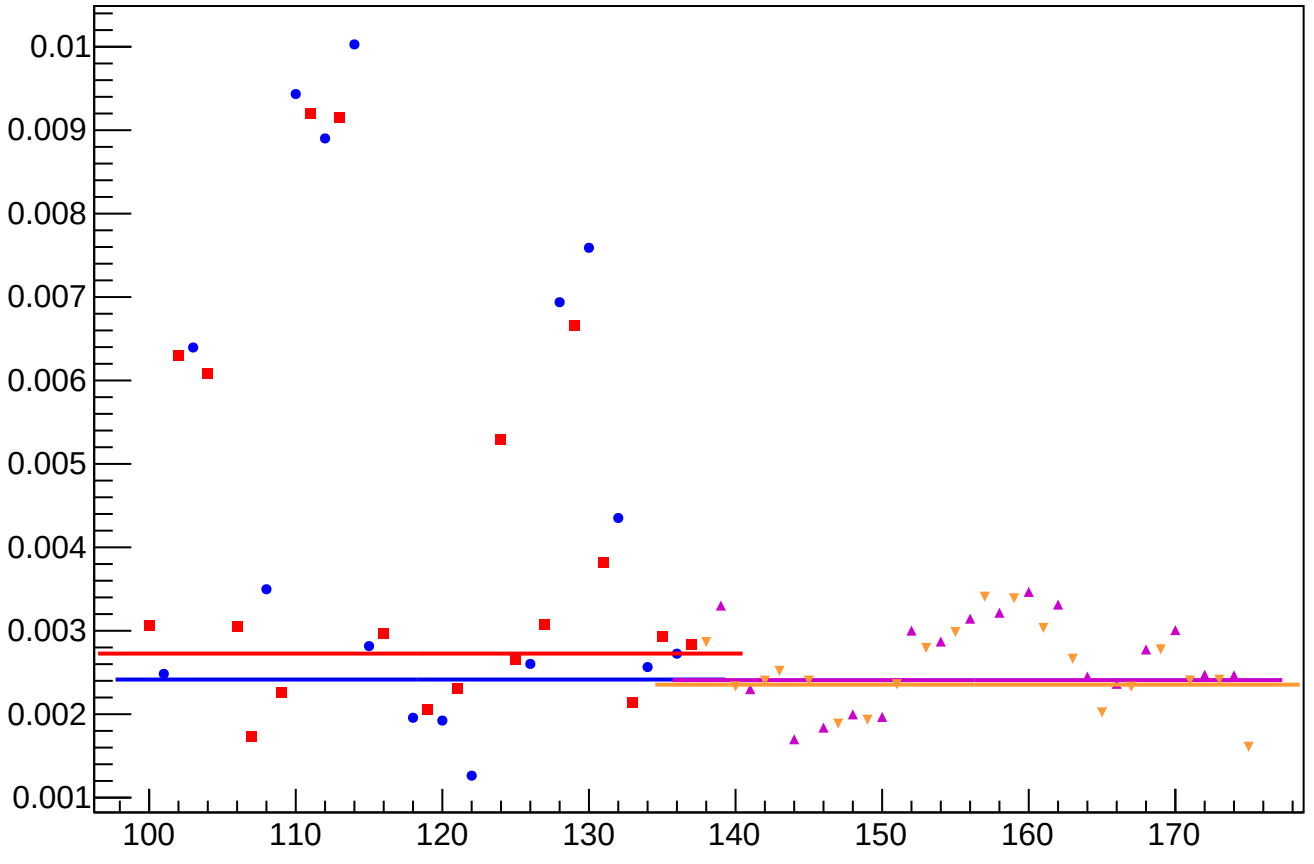
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 60.3/35

All: 0.000+/-0.000 χ^2/NDF: 83.6/72

- sign 0.000+/-0.000 χ^2/NDF: 23.3/36



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:1195394.3/19

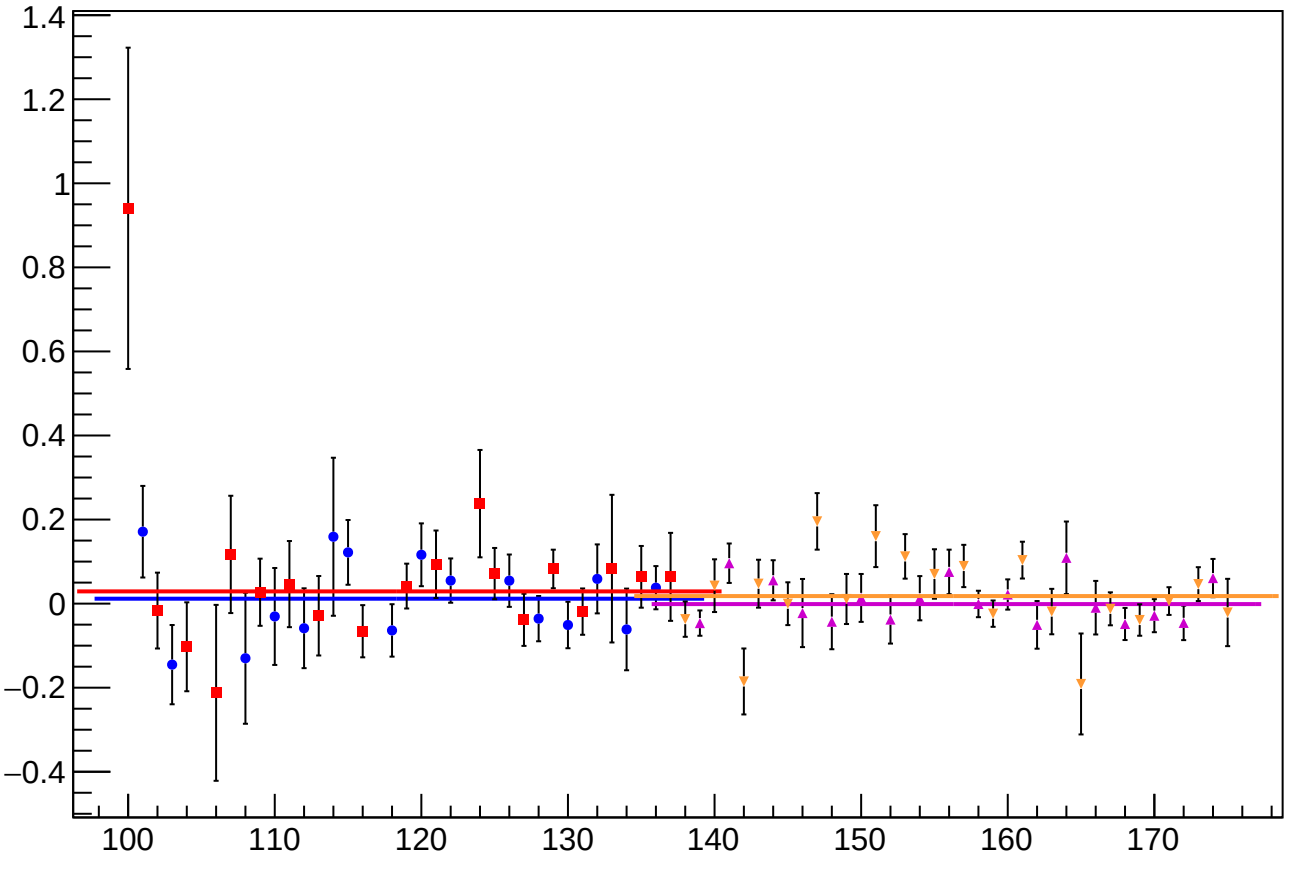
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1415128.2/17

+ sign 0.002+/-0.000 χ^2/NDF: 4632692.4/35

All: 0.002+/-0.000 χ^2/NDF: 8720983.3/72

- sign 0.002+/-0.000 χ^2/NDF: 4040679.0/36



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.018+/-0.011 χ^2/NDF:38.6/19

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

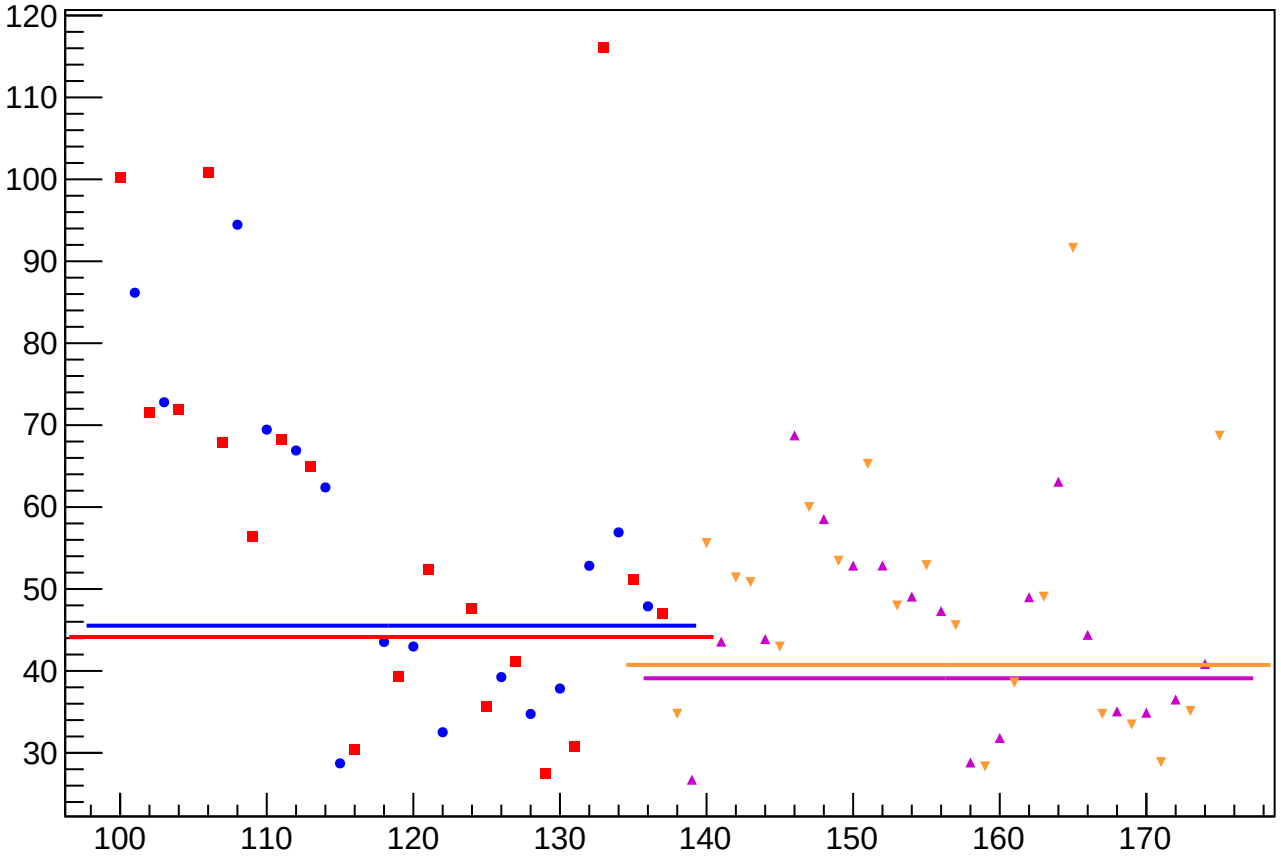
Left In: -0.001+/-0.011 χ^2/NDF:19.0/17

+ sign 0.016+/-0.009 χ^2/NDF: 55.5/35

All: 0.012+/-0.007 χ^2/NDF: 96.6/72

- sign 0.007+/-0.009 χ^2/NDF: 40.6/36

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.733+/-0.008 χ^2/NDF:2264382.7/19

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

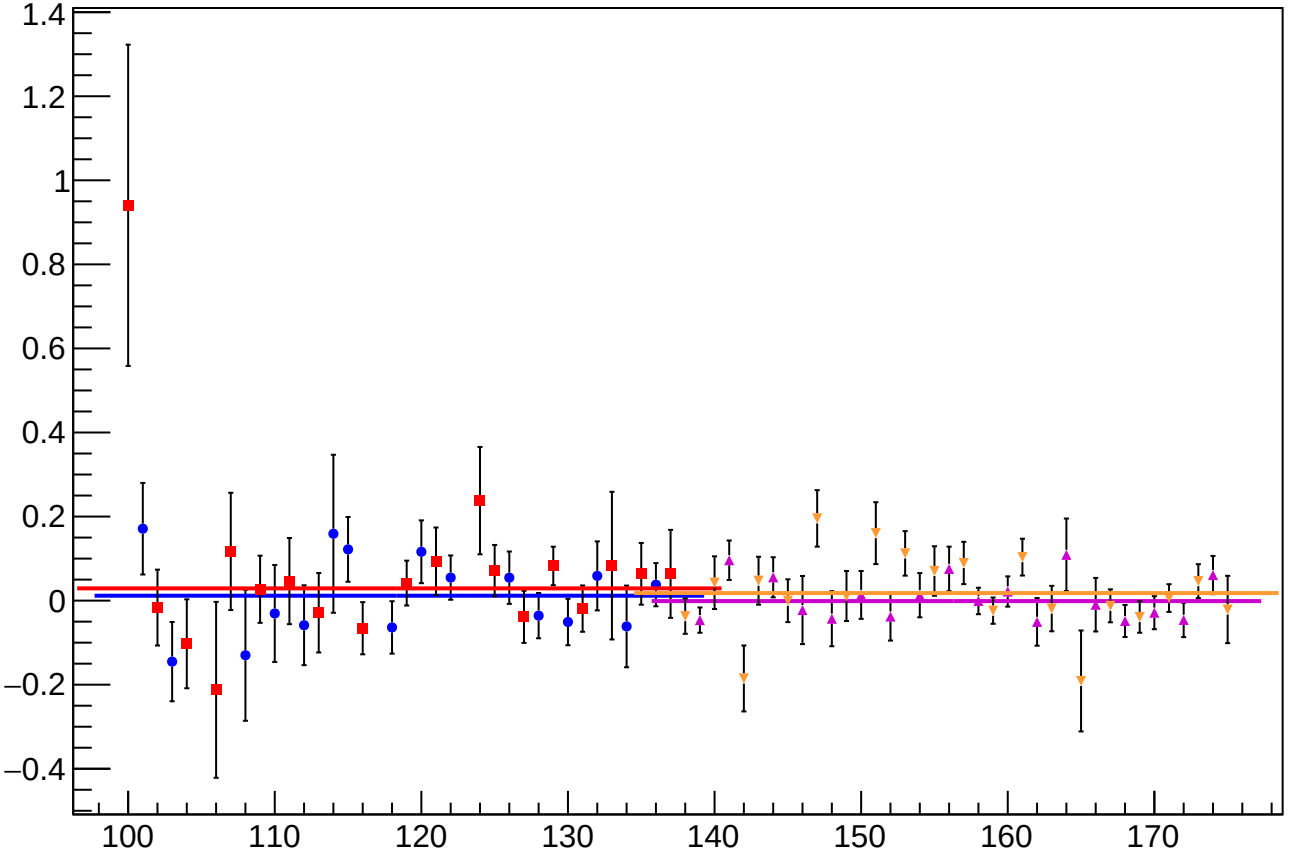
Left In: 39.100+/-0.008 χ^2/NDF:1752309.8/17

+ sign 41.986+/-0.007 χ^2/NDF: 3619372.1/35

All: 41.204+/-0.005 χ^2/NDF: 7259054.9/72

- sign 40.445+/-0.007 χ^2/NDF: 3612222.1/36

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.018+/-0.011 χ^2/NDF:38.6/19

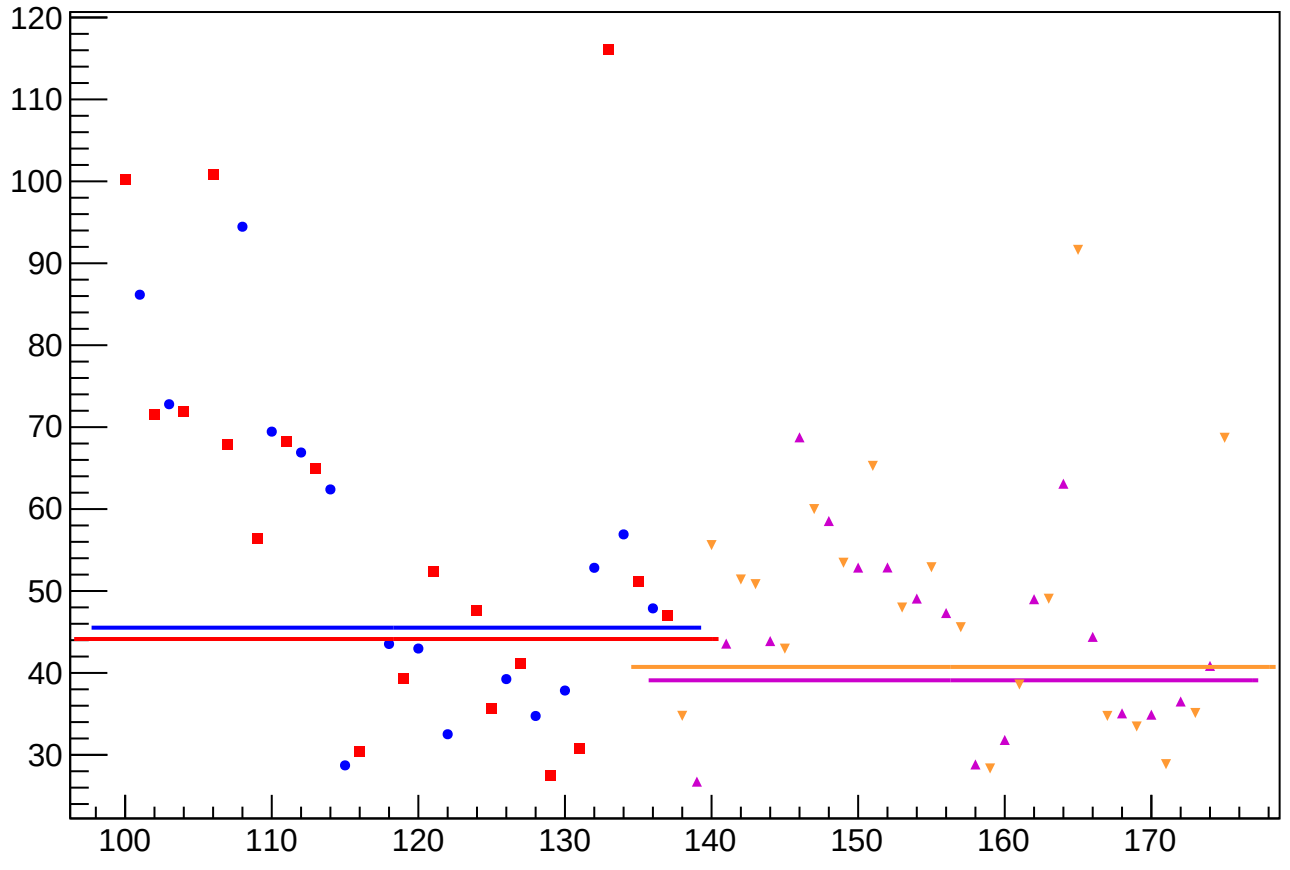
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.011 χ^2/NDF:19.0/17

+ sign 0.016+/-0.009 χ^2/NDF: 55.5/35

All: 0.012+/-0.007 χ^2/NDF: 96.6/72

- sign 0.007+/-0.009 χ^2/NDF: 40.6/36



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.733+/-0.008 χ^2/NDF:2264382.7/19

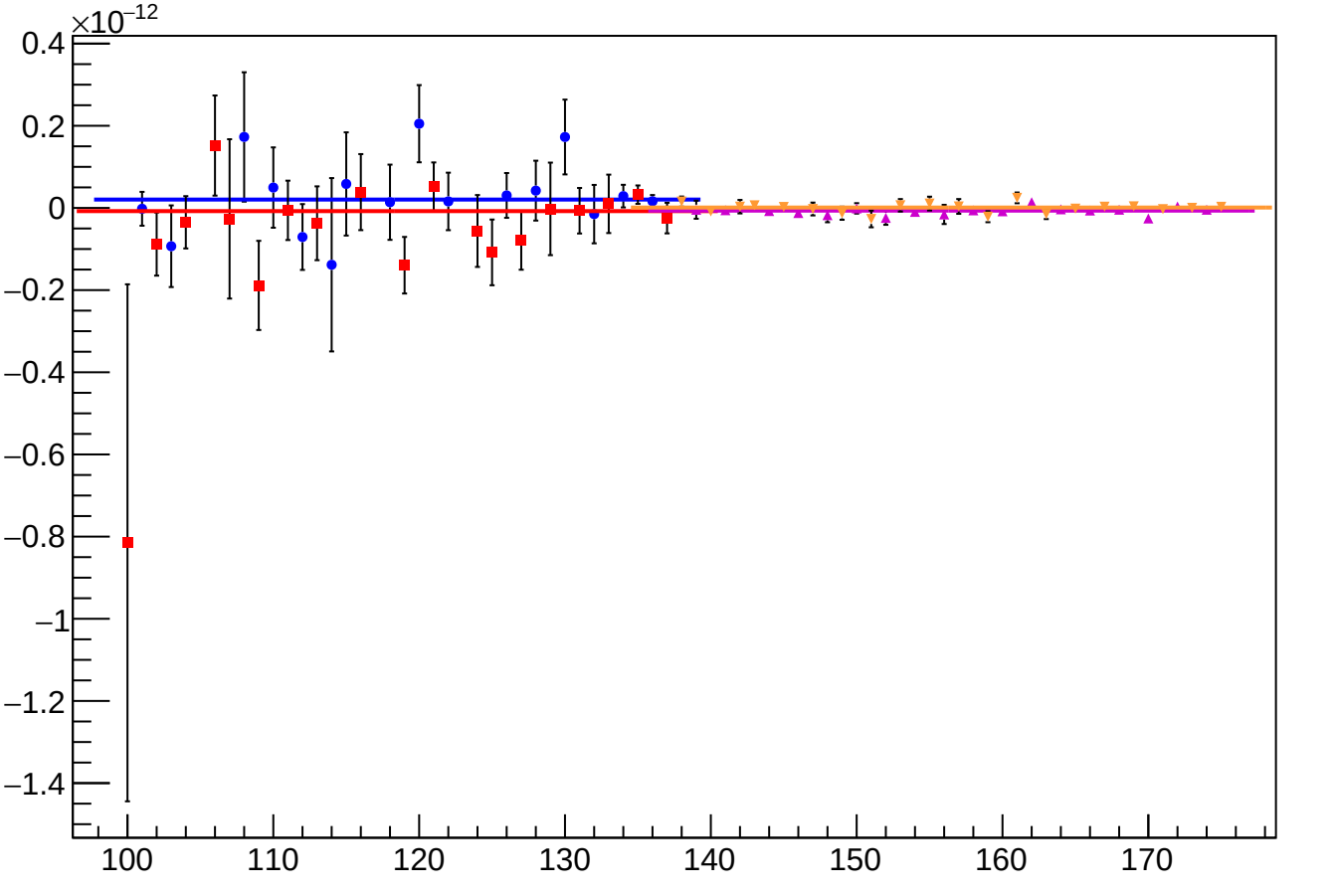
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.100+/-0.008 χ^2/NDF:1752309.8/17

+ sign 41.986+/-0.007 χ^2/NDF: 3619372.1/35

All: 41.204+/-0.005 χ^2/NDF: 7259054.9/72

- sign 40.445+/-0.007 χ^2/NDF: 3612222.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/19

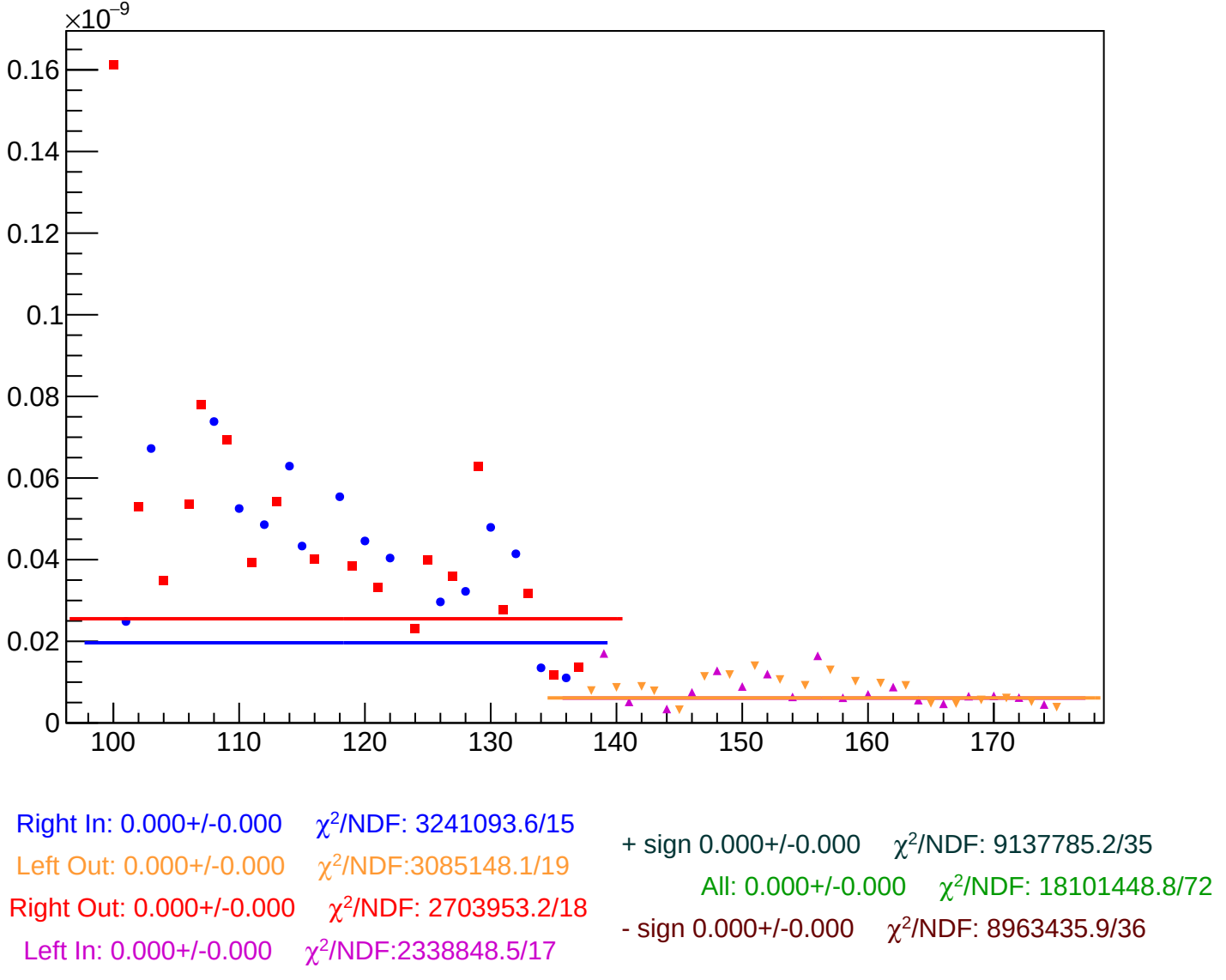
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:11.3/17

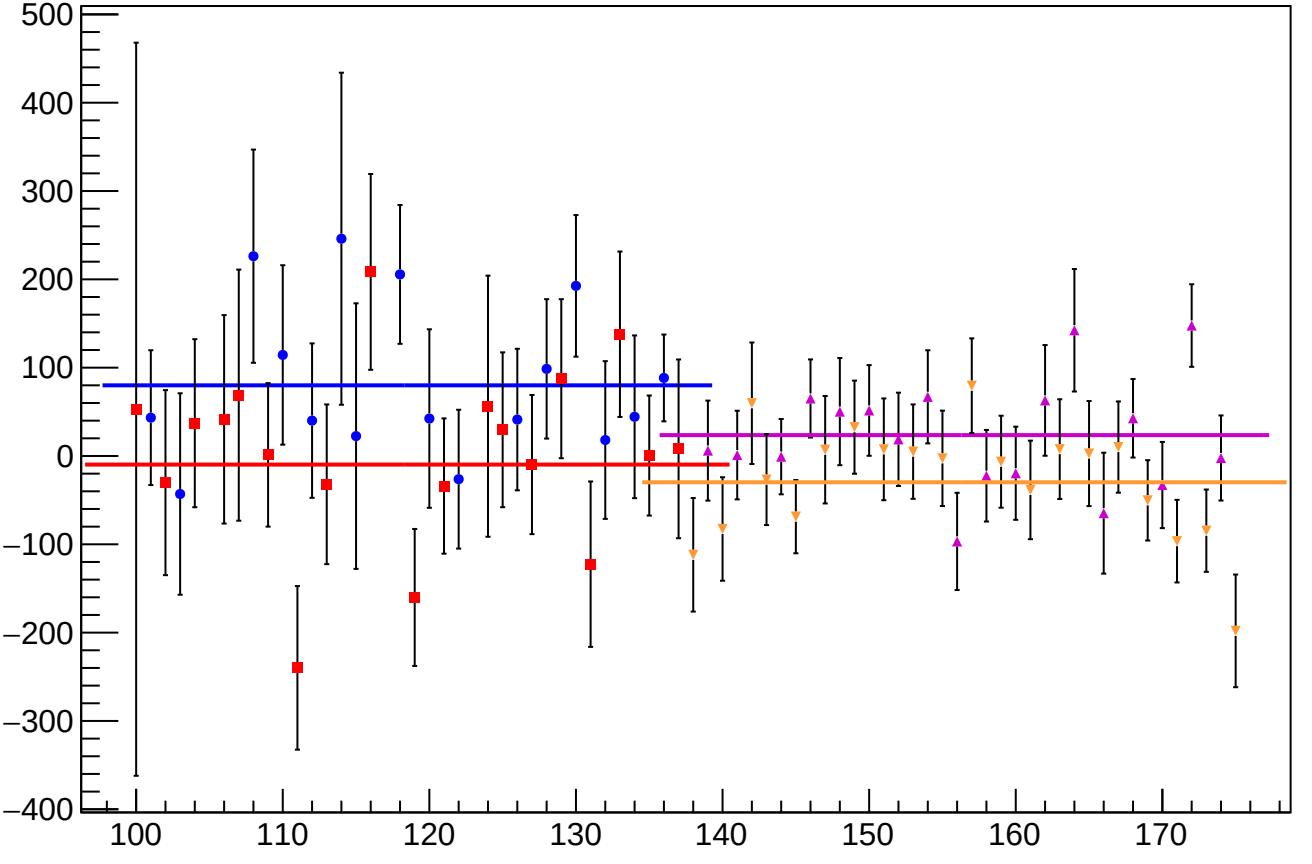
+ sign 0.000+/-0.000 χ^2/NDF: 28.5/35

All: -0.000+/-0.000 χ^2/NDF: 65.7/72

- sign -0.000+/-0.000 χ^2/NDF: 30.1/36


asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3241093.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3085148.1/19
Right Out: 0.000+/-0.000 χ²/NDF: 2703953.2/18
Left In: 0.000+/-0.000 χ²/NDF:2338848.5/17
+ sign 0.000+/-0.000 χ²/NDF: 9137785.2/35
All: 0.000+/-0.000 χ²/NDF: 18101448.8/72
- sign 0.000+/-0.000 χ²/NDF: 8963435.9/36

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -29.758+/-11.967 χ^2/NDF:24.2/19

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

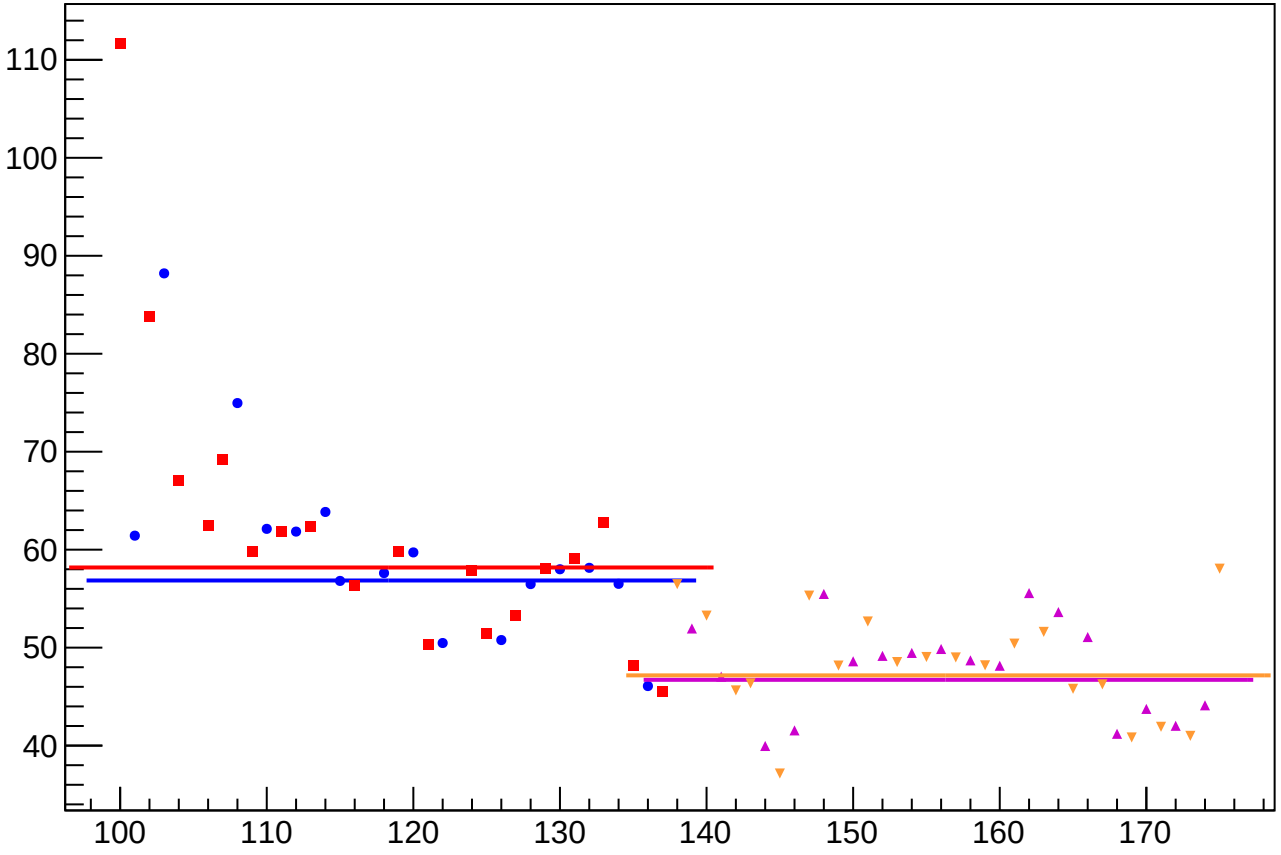
Left In: 23.644+/-12.225 χ^2/NDF:22.8/17

+ sign -3.752+/-10.453 χ^2/NDF: 55.7/35

All: 5.731+/-7.457 χ^2/NDF: 102.2/72

- sign 15.557+/-10.641 χ^2/NDF: 44.9/36

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.169+/-0.008 χ^2/NDF:421476.2/19

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

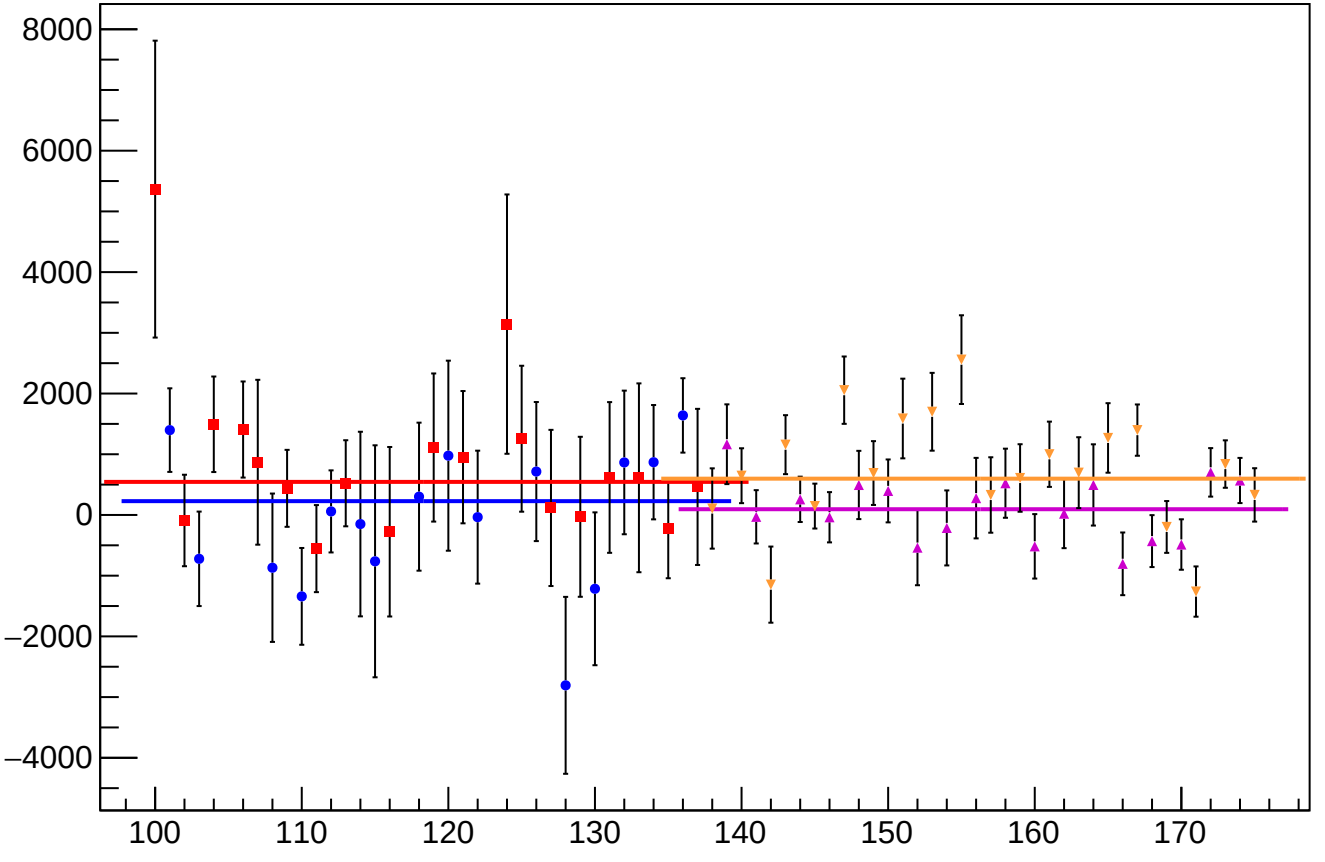
Left In: 46.714+/-0.009 χ^2/NDF:291815.0/17

+ sign 49.464+/-0.007 χ^2/NDF: 1073523.7/35

All: 49.478+/-0.005 χ^2/NDF: 2106416.1/72

- sign 49.493+/-0.008 χ^2/NDF: 1032884.7/36

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 597.806+/-112.730 χ^2/NDF:60.6/19

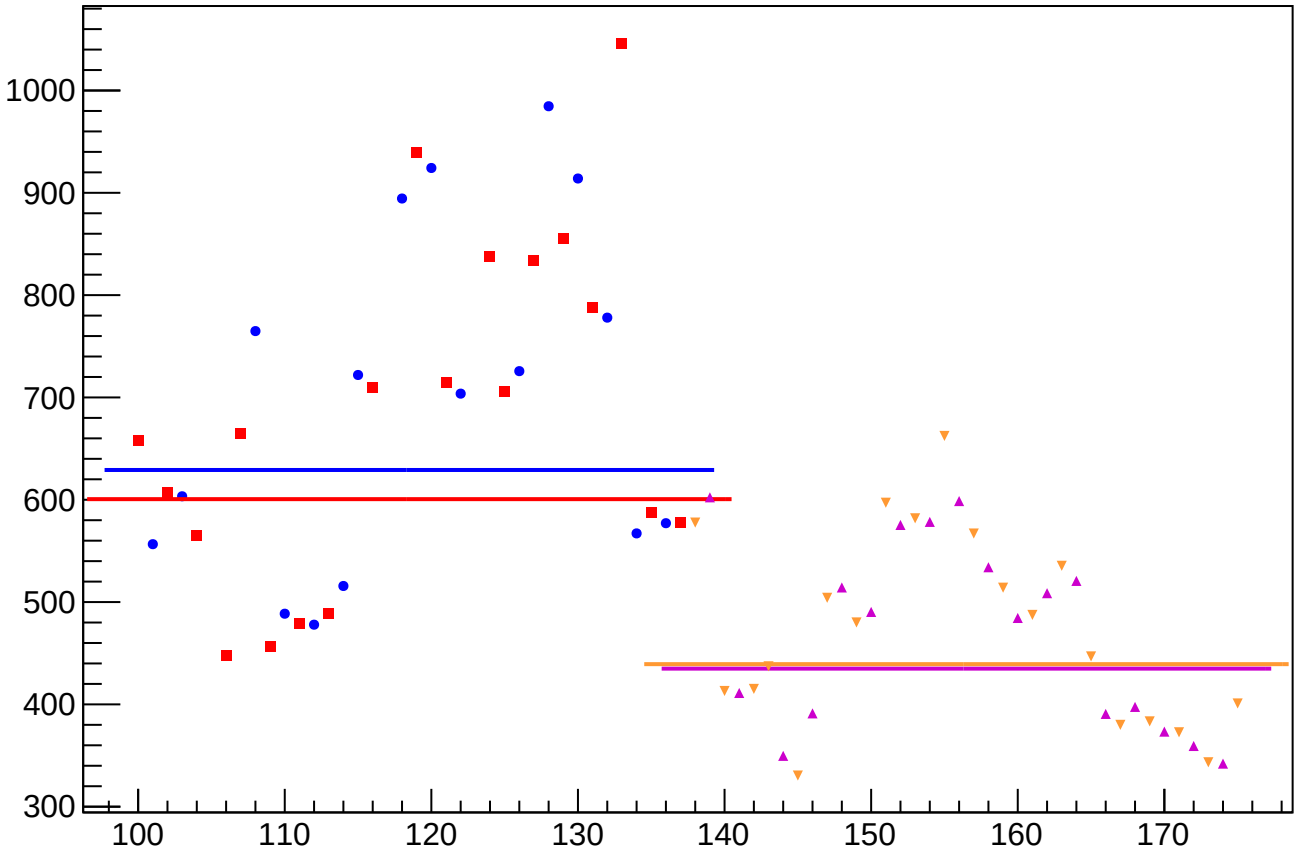
Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: 94.535+/-115.188 χ^2/NDF:17.9/17

+ sign 531.431+/-102.129 χ^2/NDF: 84.2/35

All: 360.035+/-72.432 χ^2/NDF: 124.3/72

- sign 186.571+/-102.742 χ^2/NDF: 34.4/36



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 439.317+/-0.080 χ^2/NDF:1163485.9/19

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

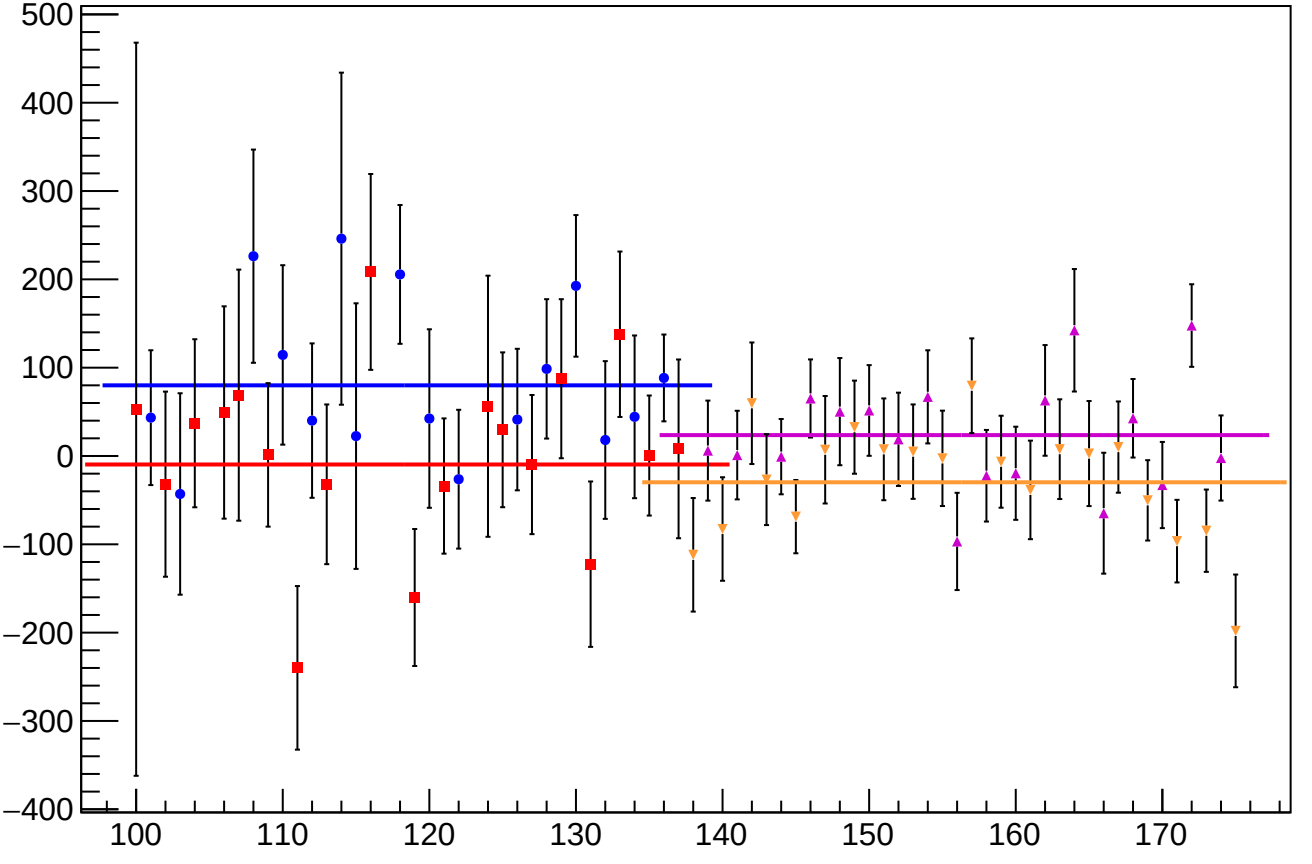
Left In: 434.943+/-0.081 χ^2/NDF:1072258.5/17

\+ sign 473.334+/-0.072 χ^2/NDF: 2872212.8/35

All: 471.083+/-0.051 χ^2/NDF: 5666553.3/72

\- sign 468.805+/-0.073 χ^2/NDF: 2792385.5/36

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -29.760+/-11.967 χ^2/NDF:24.2/19

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

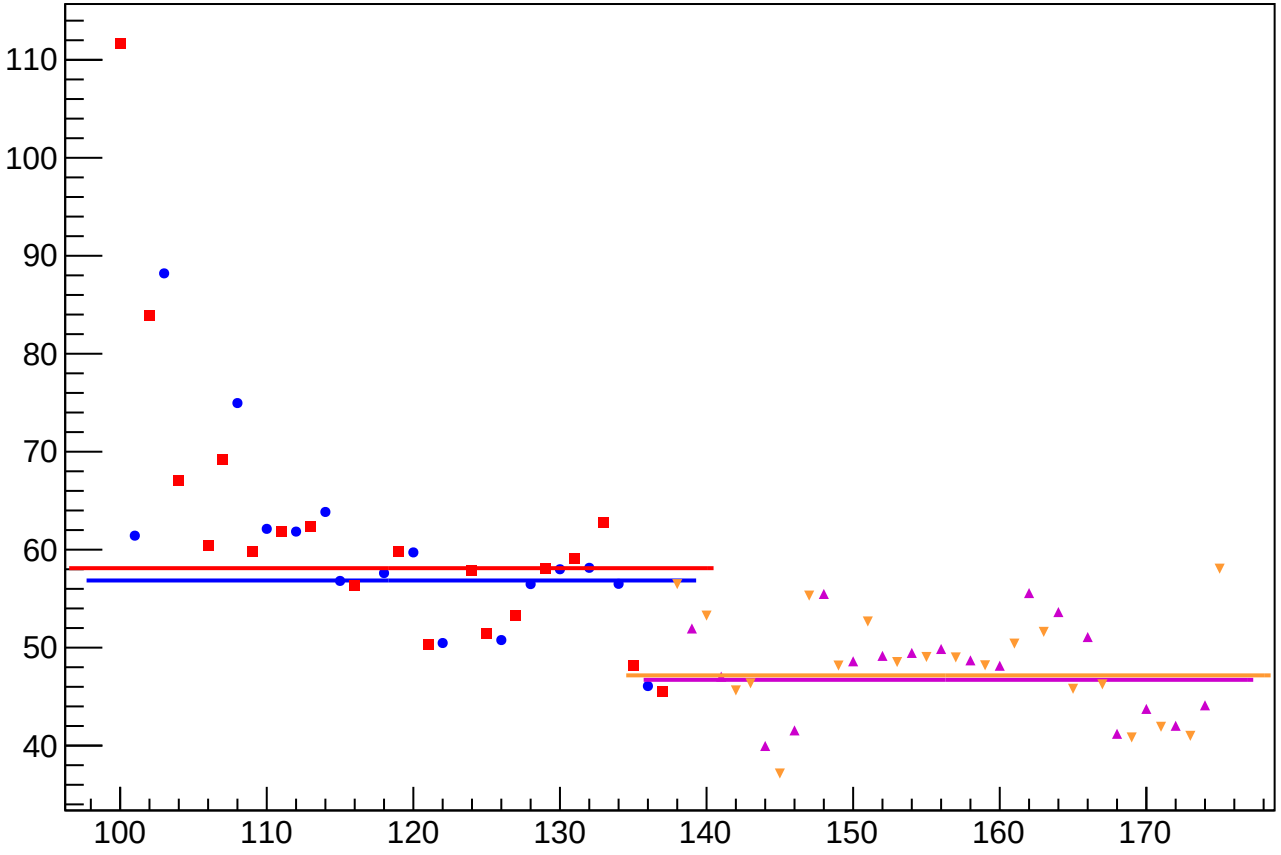
Left In: 23.644+/-12.225 χ^2/NDF:22.8/17

+ sign -3.752+/-10.453 χ^2/NDF: 55.7/35

All: 5.746+/-7.458 χ^2/NDF: 102.3/72

- sign 15.592+/-10.643 χ^2/NDF: 45.0/36

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.169+/-0.008 χ^2/NDF:421476.2/19

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

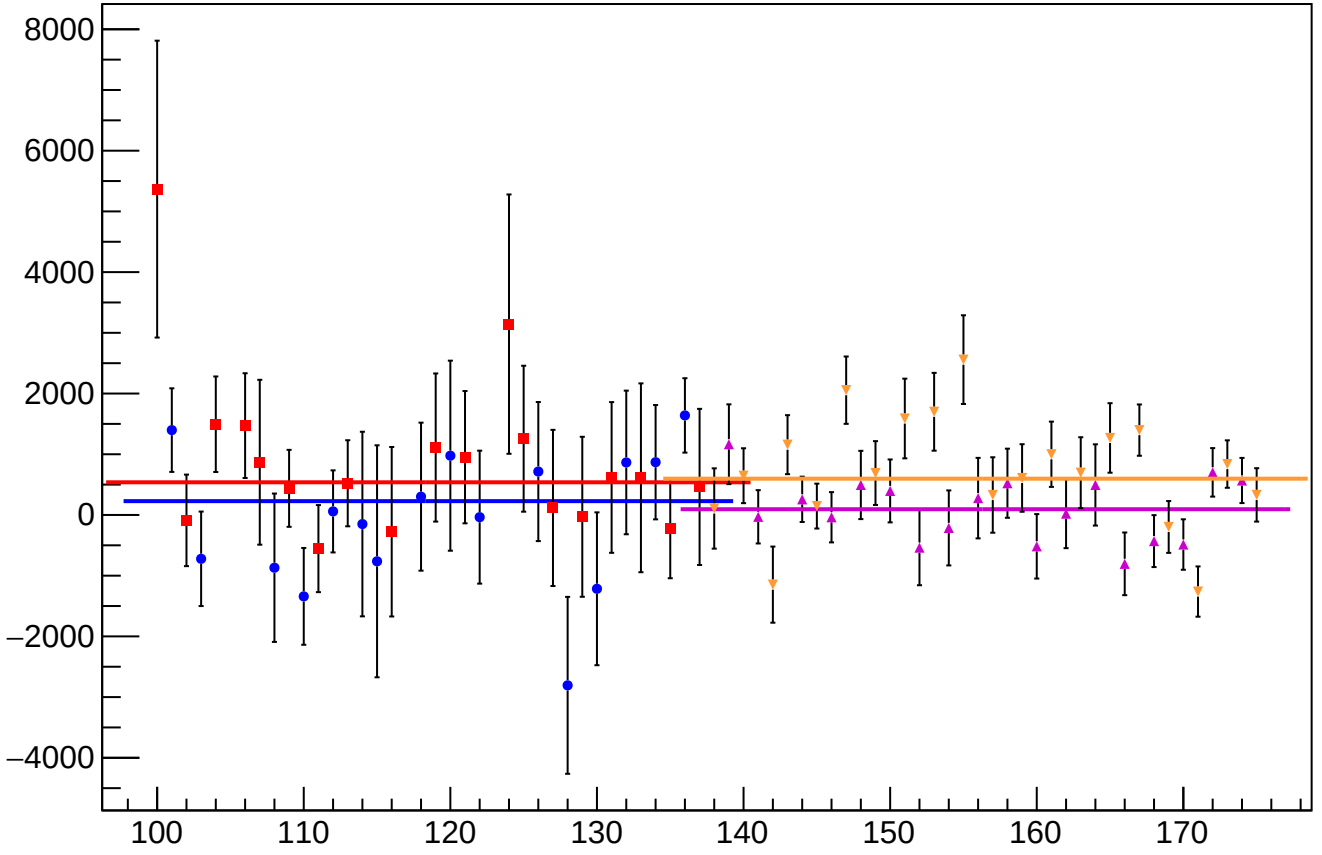
Left In: 46.714+/-0.009 χ^2/NDF:291815.0/17

+ sign 49.464+/-0.007 χ^2/NDF: 1073527.7/35

All: 49.468+/-0.005 χ^2/NDF: 2099046.7/72

- sign 49.473+/-0.008 χ^2/NDF: 1025518.2/36

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 597.804+/-112.730 χ^2/NDF:60.6/19

Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

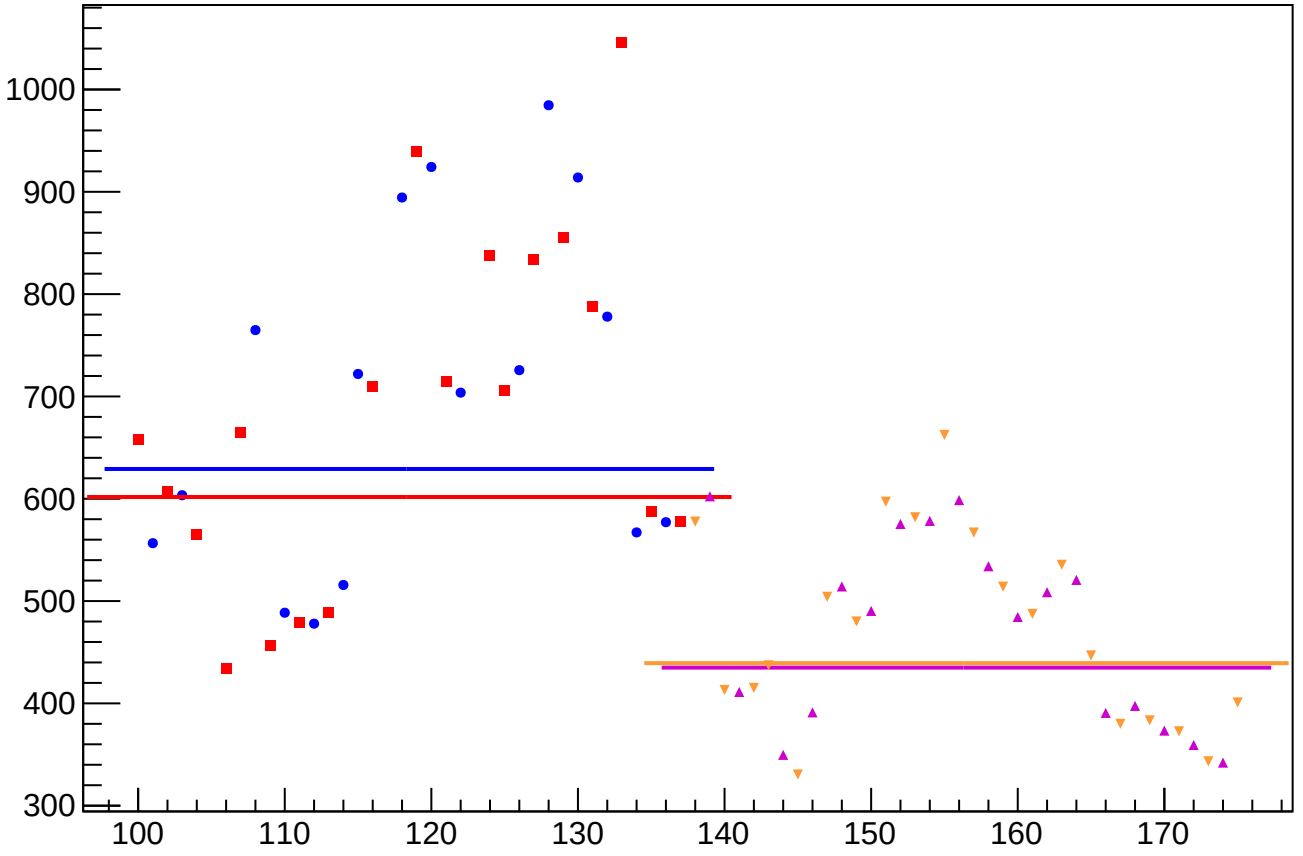
Left In: 94.538+/-115.188 χ^2/NDF:17.9/17

+ sign 531.437+/-102.129 χ^2/NDF: 84.2/35

All: 359.123+/-72.480 χ^2/NDF: 124.2/72

- sign 184.261+/-102.881 χ^2/NDF: 34.3/36

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 439.317+/-0.080 χ^2/NDF:1163486.3/19

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

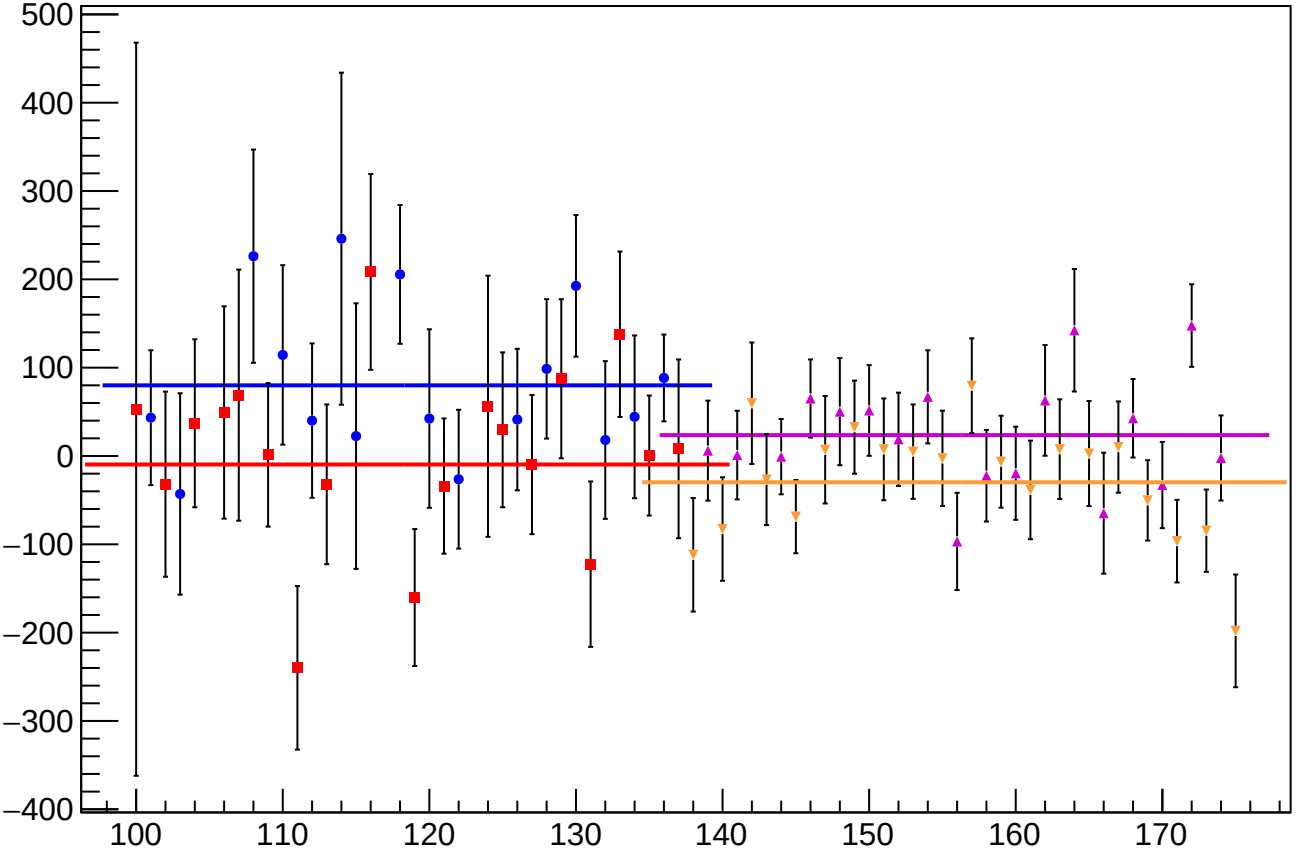
Left In: 434.943+/-0.081 χ^2/NDF:1072258.2/17

\+ sign 473.334+/-0.072 χ^2/NDF: 2872245.1/35

All: 471.023+/-0.051 χ^2/NDF: 5668664.7/72

\- sign 468.677+/-0.073 χ^2/NDF: 2794355.5/36

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -29.760+/-11.967 χ^2/NDF:24.2/19

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

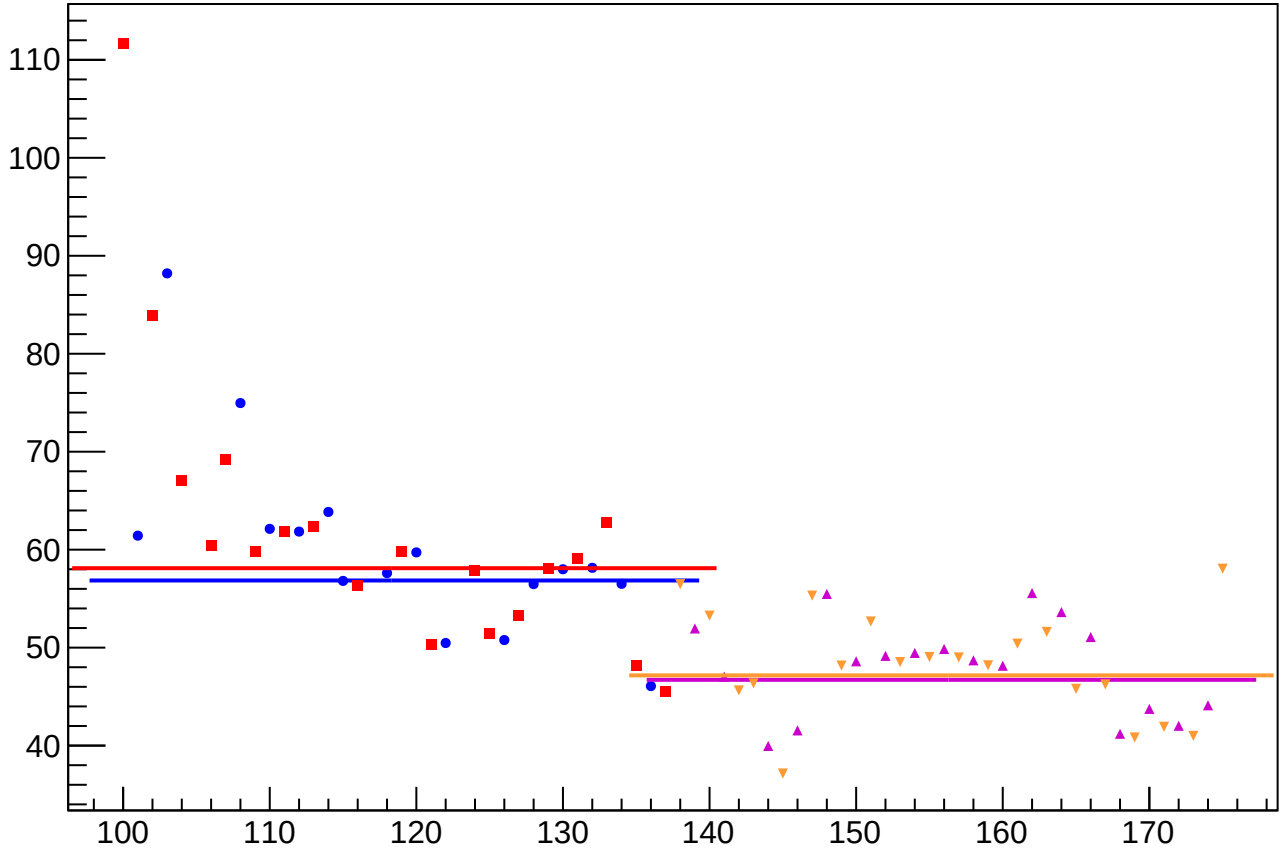
Left In: 23.644+/-12.225 χ^2/NDF:22.8/17

+ sign -3.752+/-10.453 χ^2/NDF: 55.7/35

All: 5.746+/-7.458 χ^2/NDF: 102.3/72

- sign 15.592+/-10.643 χ^2/NDF: 45.0/36

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.169+/-0.008 χ^2/NDF:421476.2/19

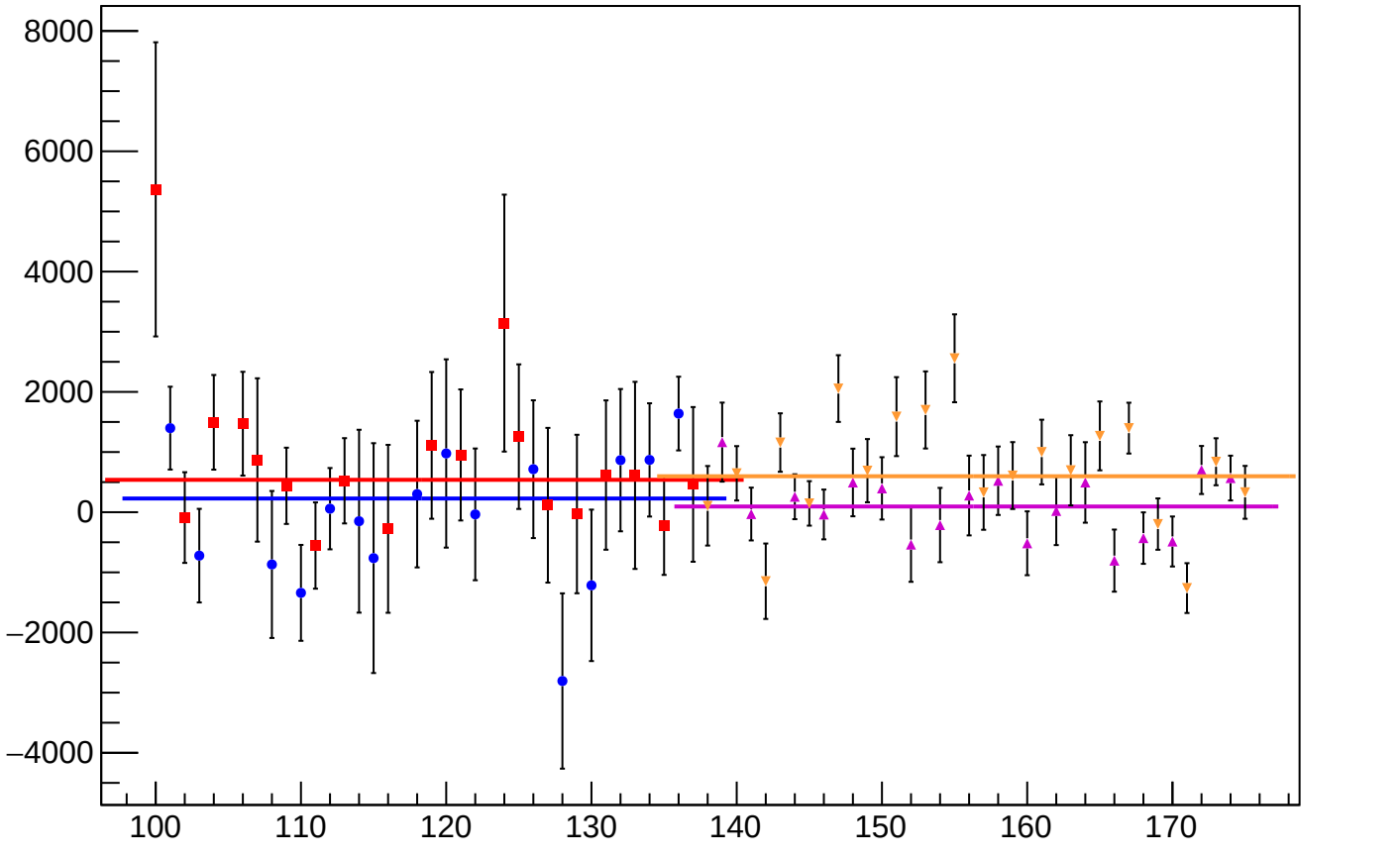
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.714+/-0.009 χ^2/NDF:291815.0/17

+ sign 49.464+/-0.007 χ^2/NDF: 1073527.7/35

All: 49.468+/-0.005 χ^2/NDF: 2099046.7/72

- sign 49.473+/-0.008 χ^2/NDF: 1025518.2/36



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 597.804+/-112.730 χ^2/NDF:60.6/19

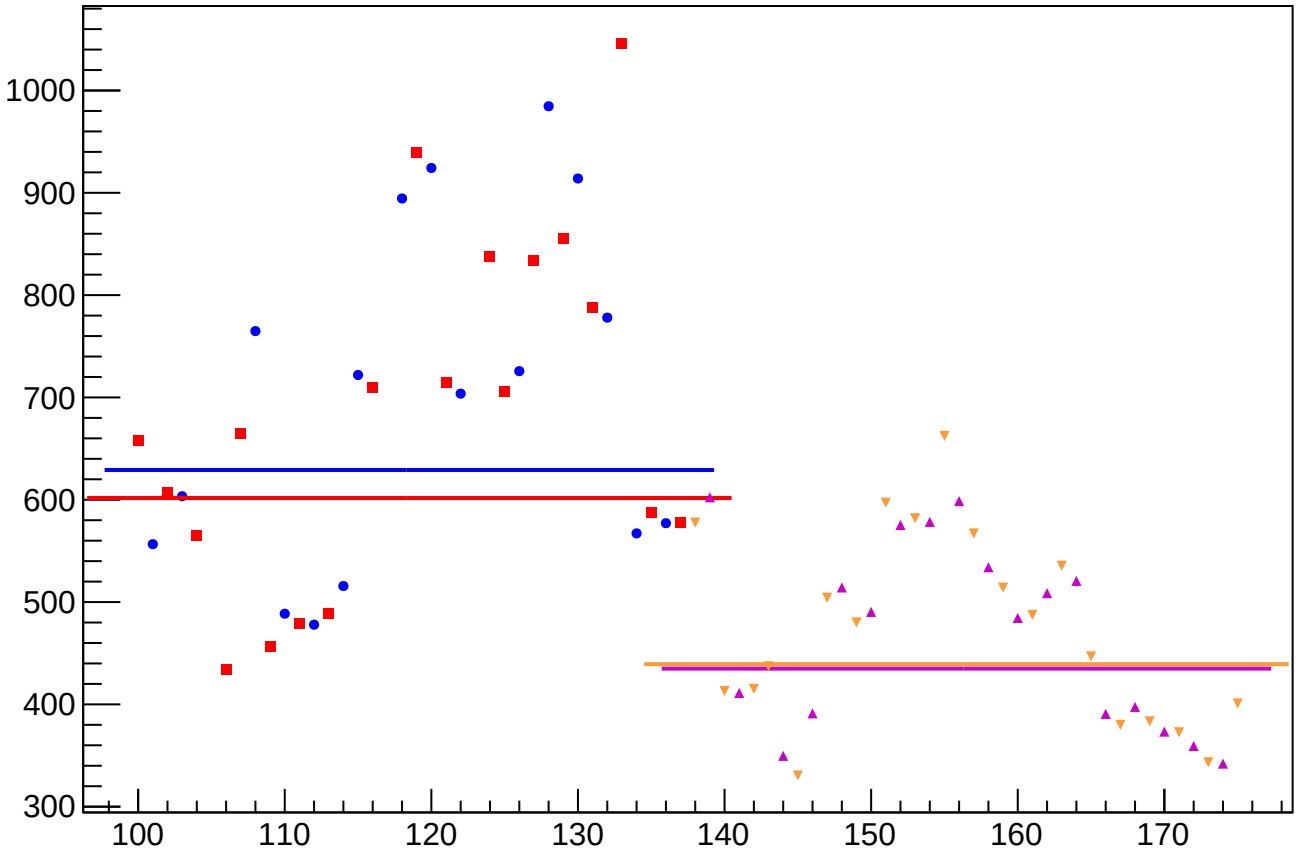
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 94.538+/-115.188 χ^2/NDF:17.9/17

+ sign 531.437+/-102.129 χ^2/NDF: 84.2/35

All: 359.123+/-72.480 χ^2/NDF: 124.2/72

- sign 184.261+/-102.881 χ^2/NDF: 34.3/36



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 439.317+/-0.080 χ^2/NDF:1163486.3/19

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

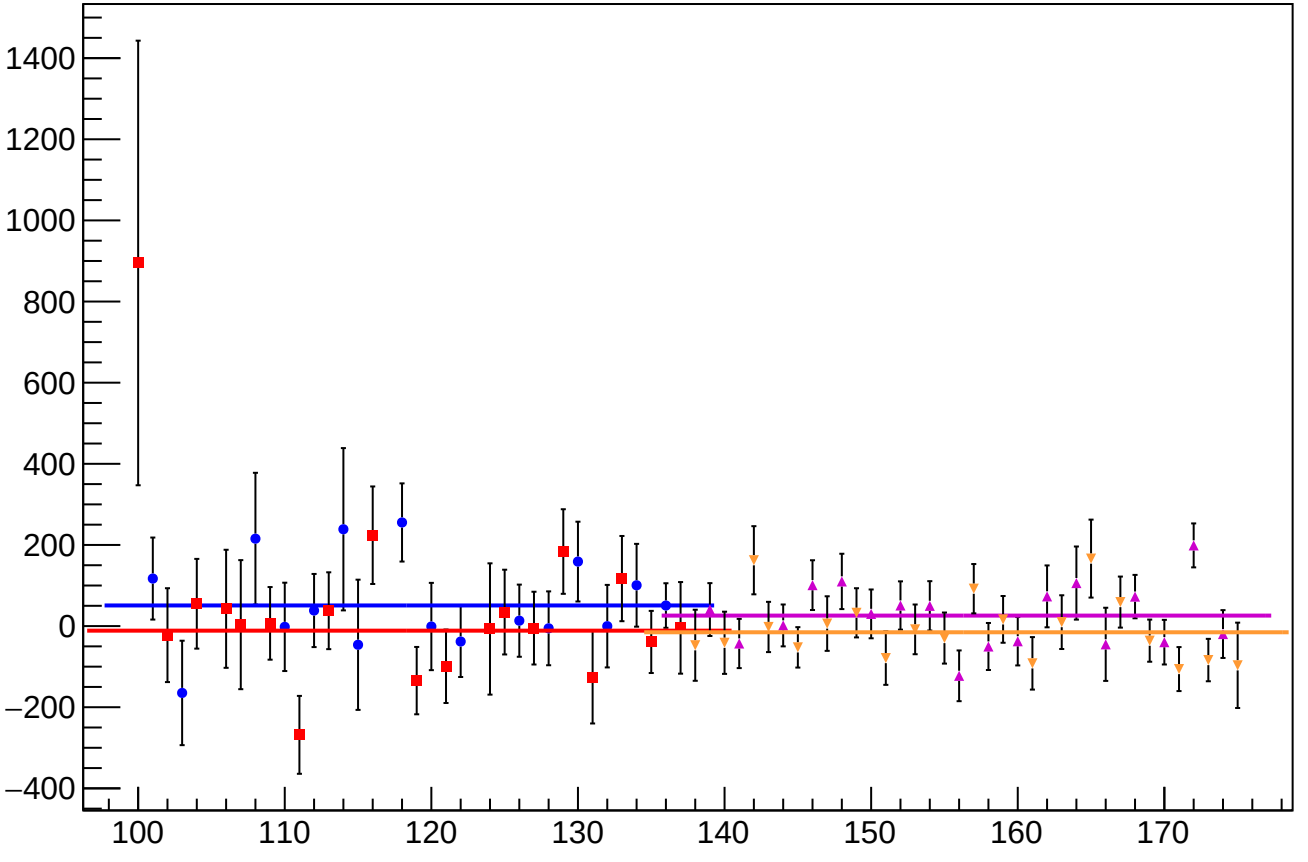
Left In: 434.943+/-0.081 χ^2/NDF:1072258.2/17

+ sign 473.334+/-0.072 χ^2/NDF: 2872245.1/35

All: 471.023+/-0.051 χ^2/NDF: 5668664.7/72

- sign 468.677+/-0.073 χ^2/NDF: 2794355.5/36

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -15.252+/-14.265 χ^2/NDF:22.3/19

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

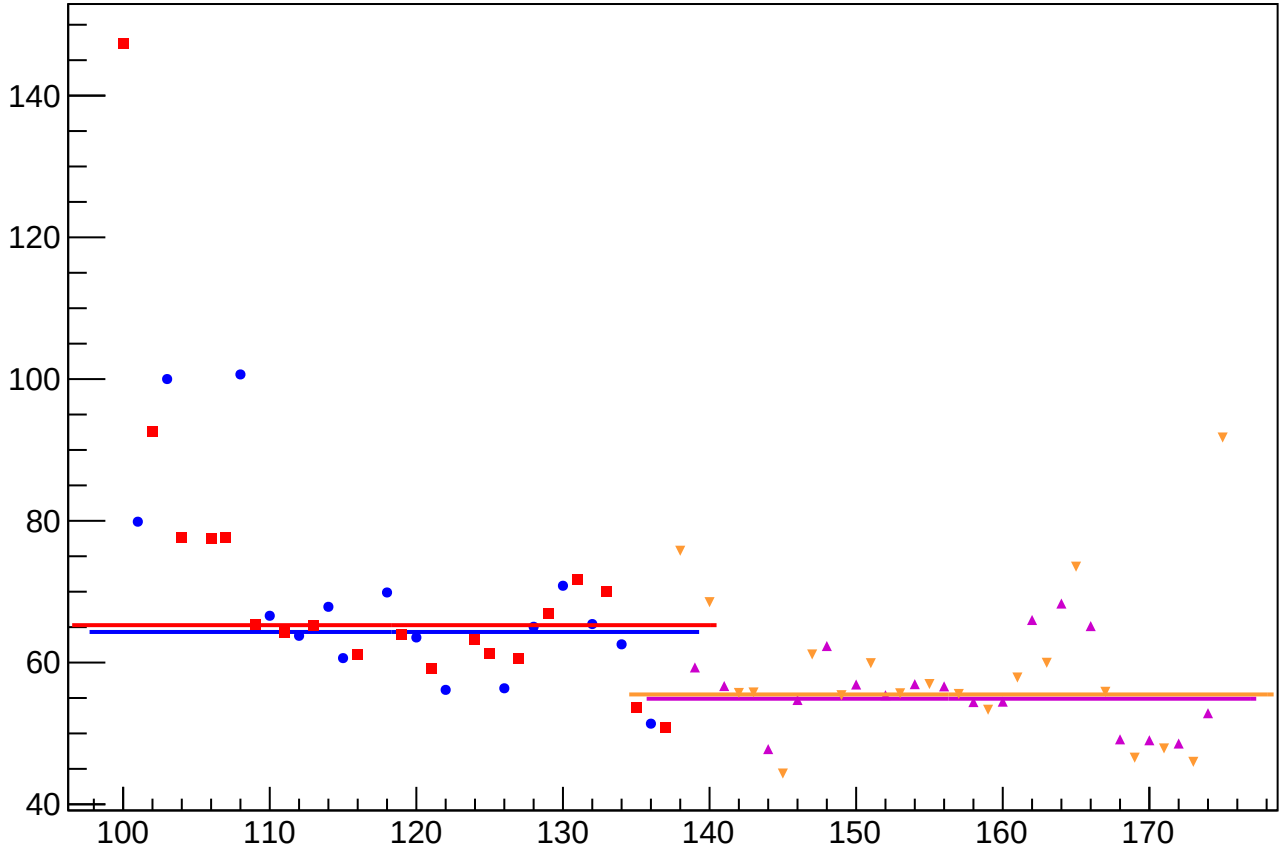
Left In: 25.862+/-14.504 χ^2/NDF:28.2/17

+ sign 1.493+/-12.326 χ^2/NDF: 41.5/35

All: 8.732+/-8.762 χ^2/NDF: 96.1/72

- sign 16.125+/-12.457 χ^2/NDF: 53.9/36

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 55.501+/-0.010 χ^2/NDF:776874.2/19

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

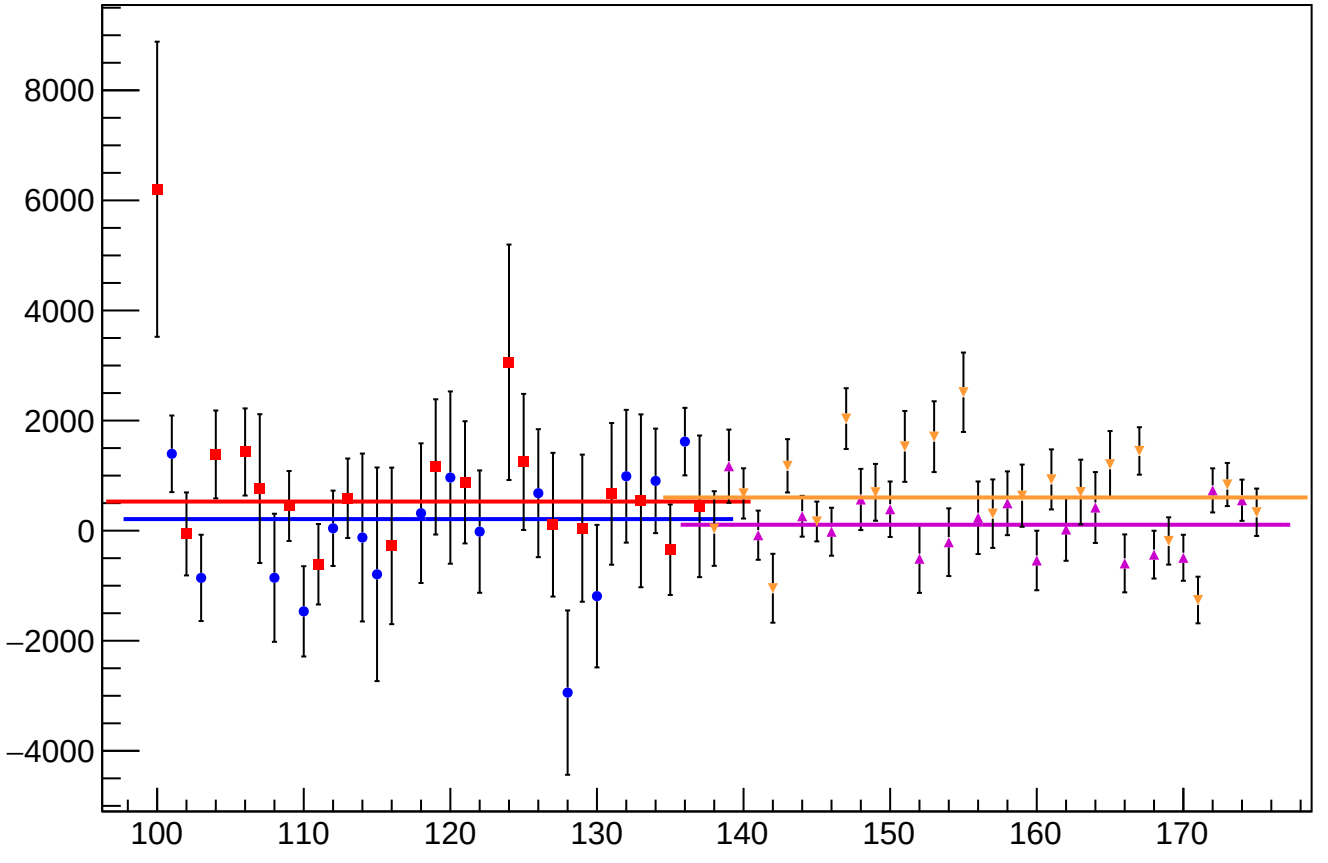
Left In: 54.897+/-0.010 χ^2/NDF:267091.6/17

+ sign 57.734+/-0.009 χ^2/NDF: 1435311.0/35

All: 57.678+/-0.006 χ^2/NDF: 2290307.5/72

- sign 57.620+/-0.009 χ^2/NDF: 854911.5/36

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 603.043+/-113.064 χ^2/NDF:58.3/19

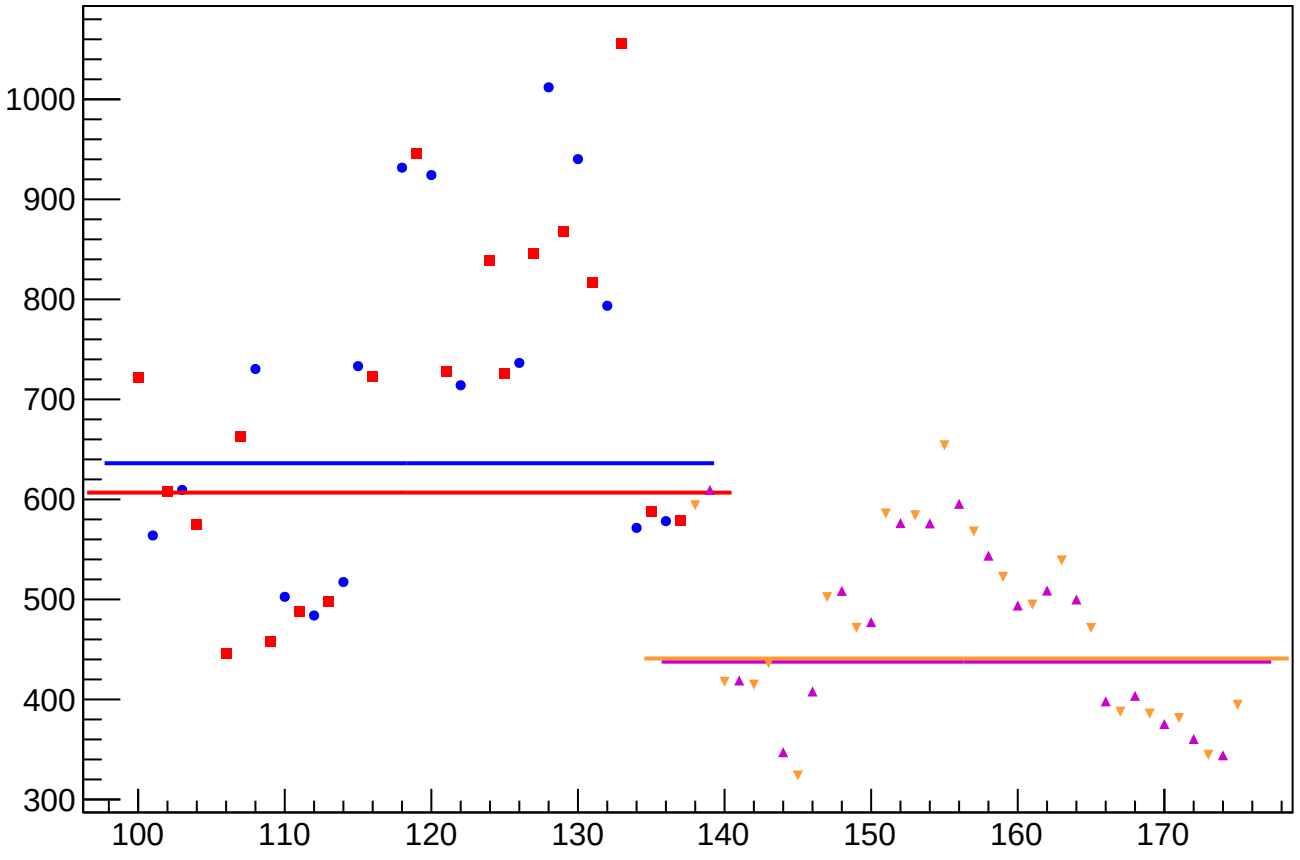
Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: 107.356+/-115.891 χ^2/NDF:16.7/17

+ sign 533.475+/-102.571 χ^2/NDF: 82.9/35

All: 364.645+/-72.843 χ^2/NDF: 121.5/72

- sign 192.855+/-103.466 χ^2/NDF: 33.2/36



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 440.929+/-0.080 χ^2/NDF:1179466.3/19

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

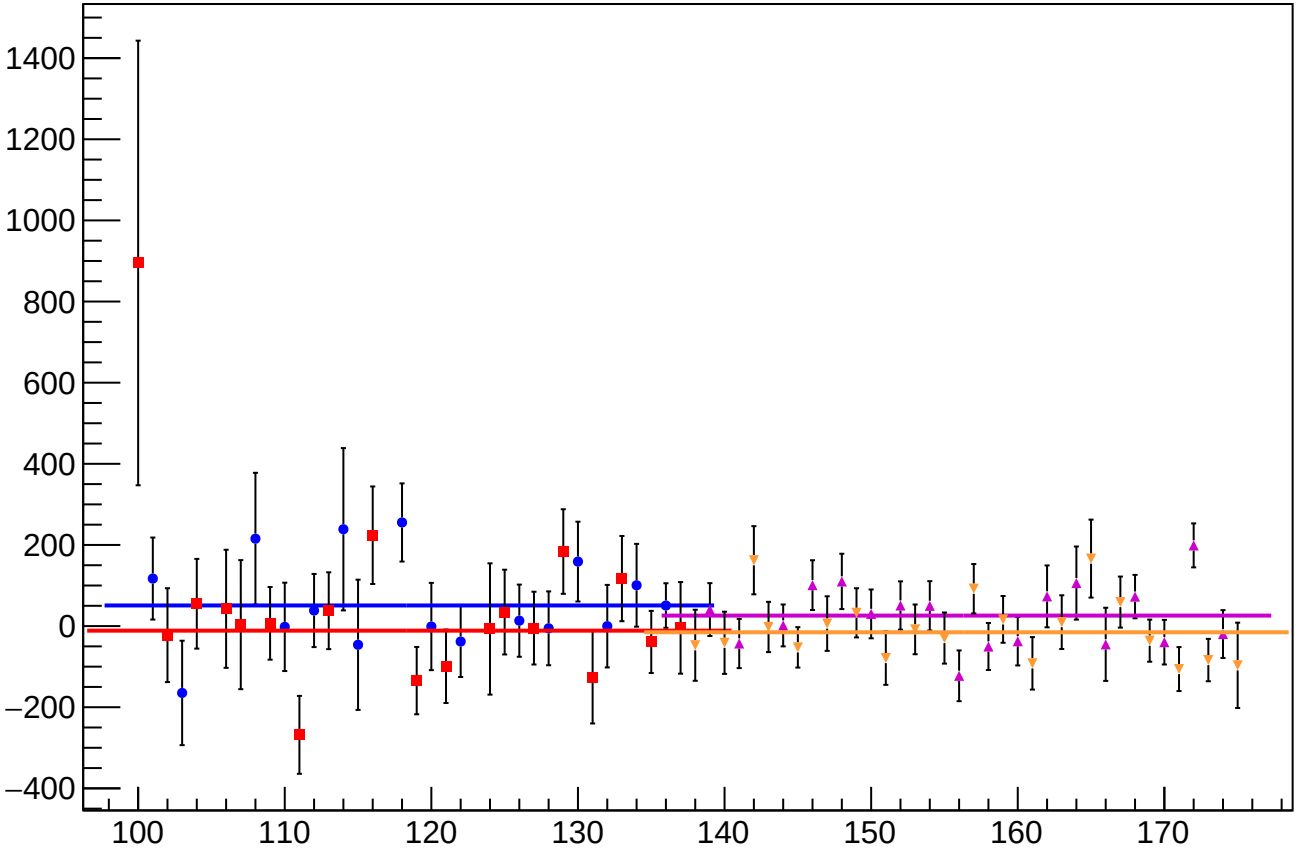
Left In: 437.766+/-0.082 χ^2/NDF:1031836.4/17

+ sign 475.483+/-0.073 χ^2/NDF: 2940050.2/35

All: 473.791+/-0.052 χ^2/NDF: 5730334.8/72

- sign 472.069+/-0.073 χ^2/NDF: 2789186.1/36

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -15.253+/-14.265 χ^2/NDF:22.3/19

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

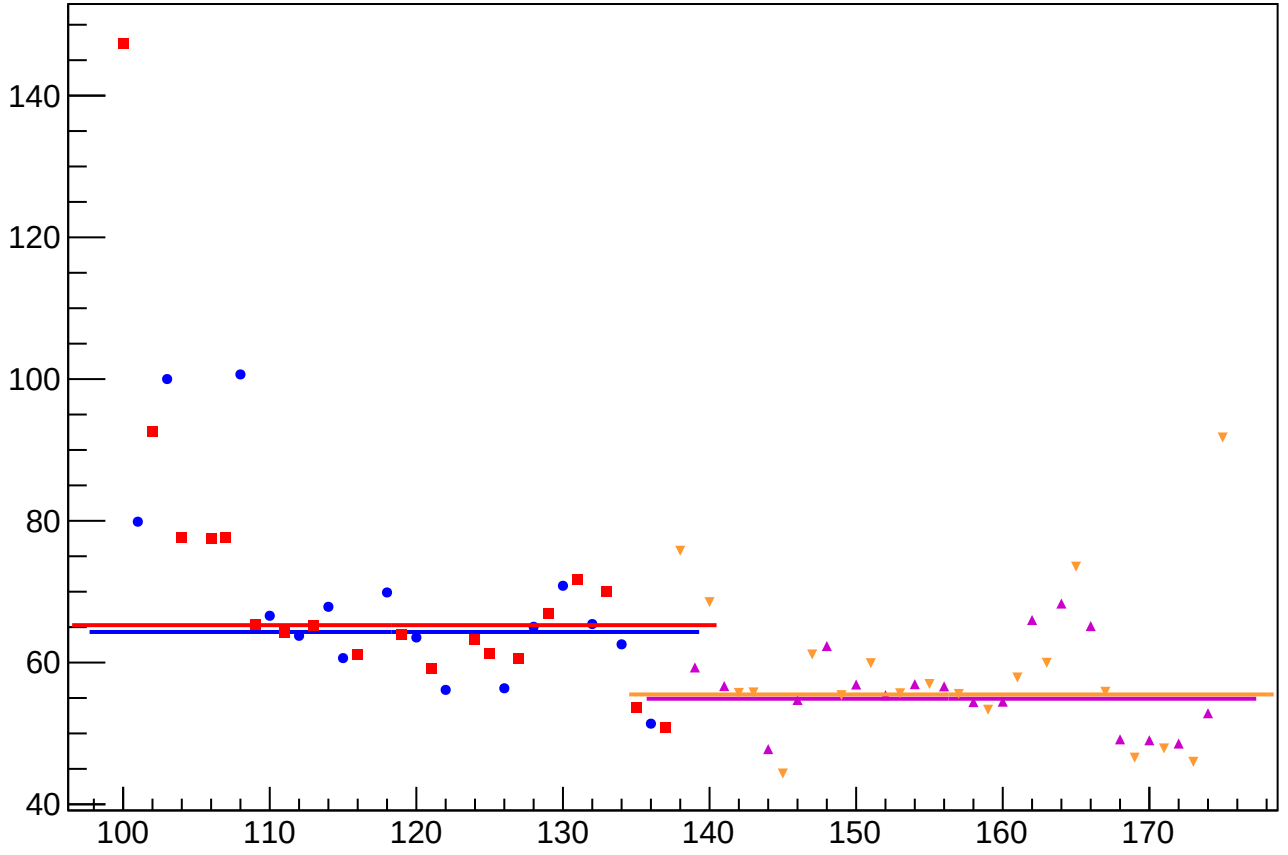
Left In: 25.862+/-14.504 χ^2/NDF:28.2/17

+ sign 1.492+/-12.326 χ^2/NDF: 41.5/35

All: 8.731+/-8.762 χ^2/NDF: 96.1/72

- sign 16.125+/-12.457 χ^2/NDF: 53.9/36

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 55.501+/-0.010 χ^2/NDF:776862.8/19

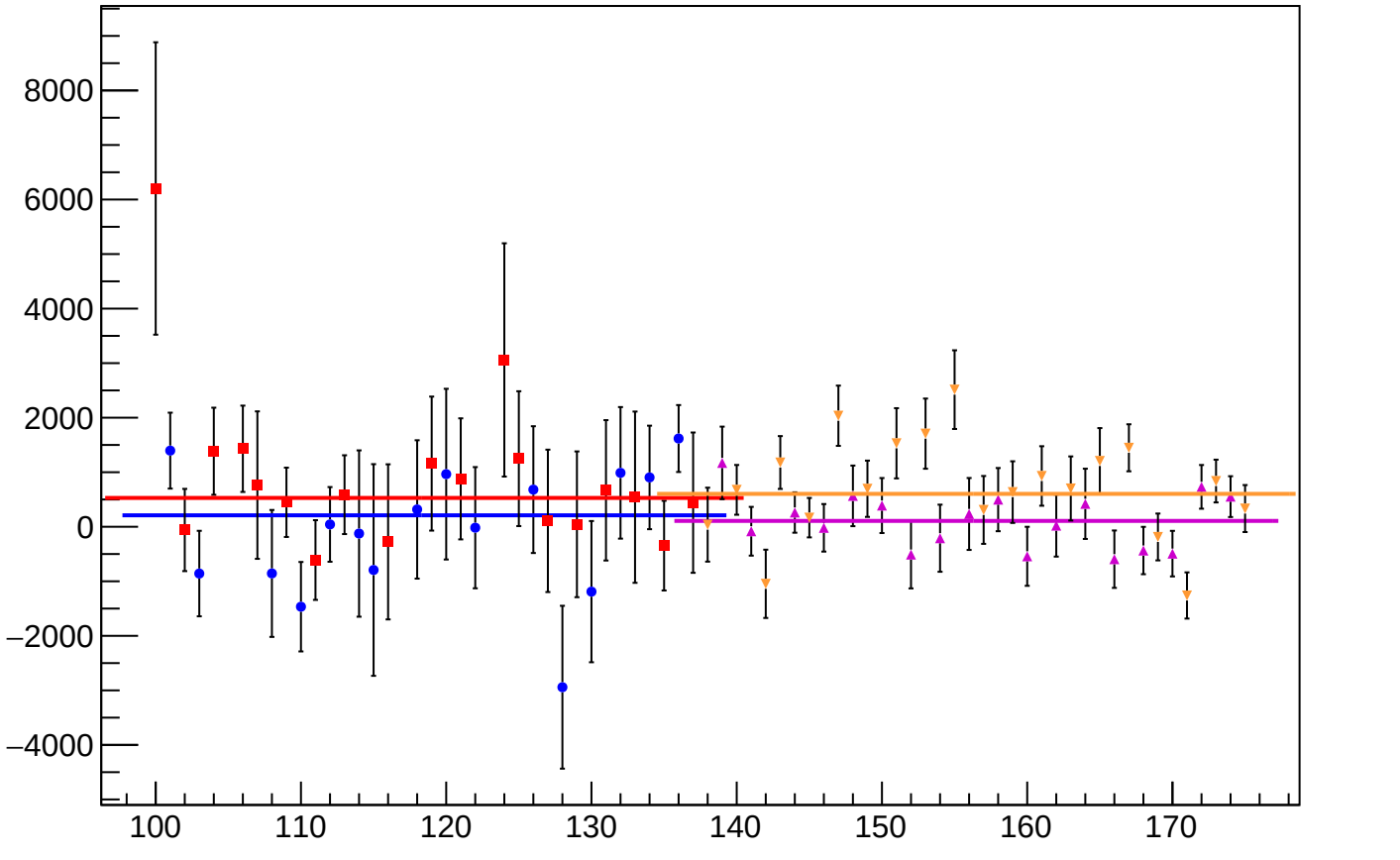
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 54.897+/-0.010 χ^2/NDF:267091.0/17

+ sign 57.734+/-0.009 χ^2/NDF: 1435288.3/35

All: 57.678+/-0.006 χ^2/NDF: 2290277.6/72

- sign 57.620+/-0.009 χ^2/NDF: 854904.3/36



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 603.042+/-113.064 χ^2/NDF:58.3/19

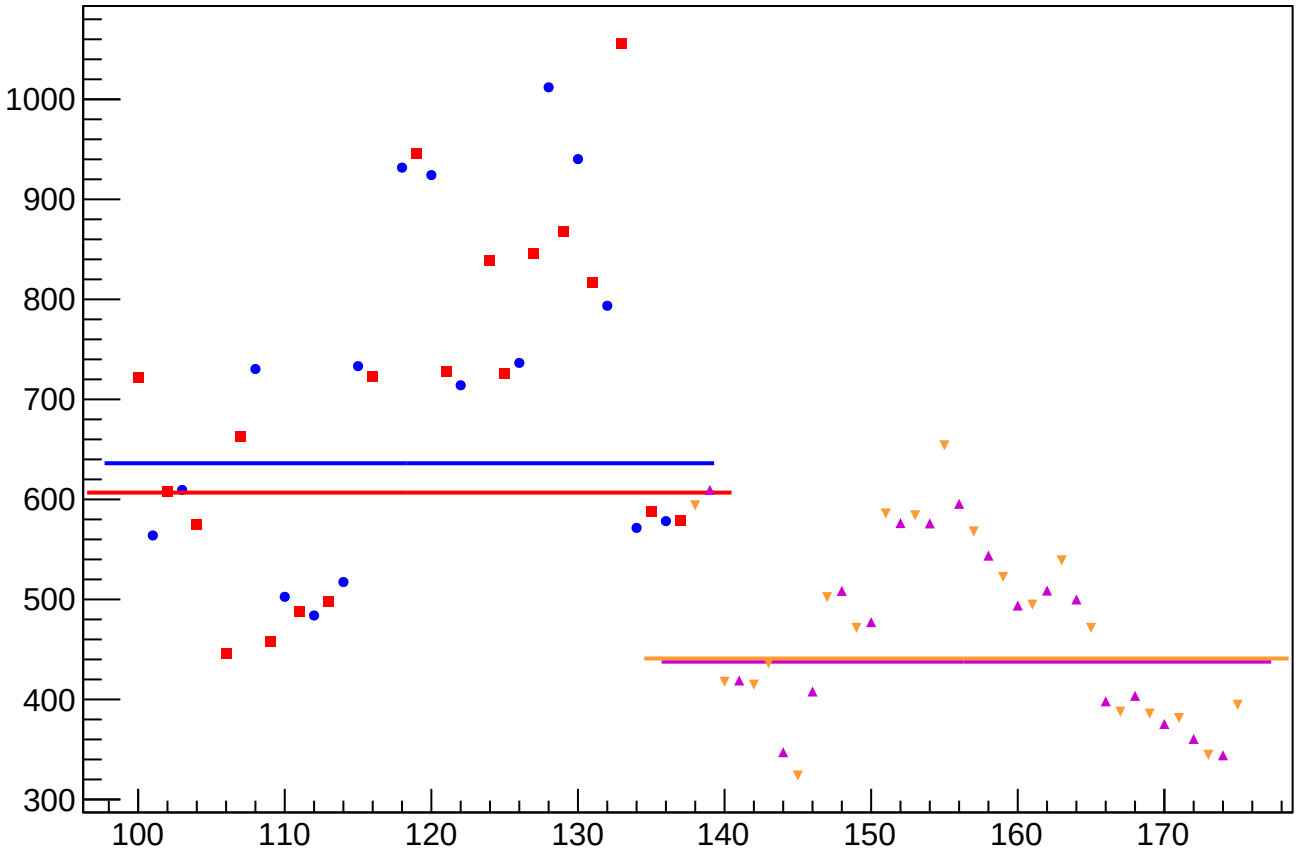
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 107.355+/-115.891 χ^2/NDF:16.7/17

\+ sign 533.475+/-102.571 χ^2/NDF: 82.9/35

All: 364.644+/-72.843 χ^2/NDF: 121.5/72

\- sign 192.854+/-103.466 χ^2/NDF: 33.2/36



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 440.928+/-0.080 χ^2/NDF:1179475.5/19

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

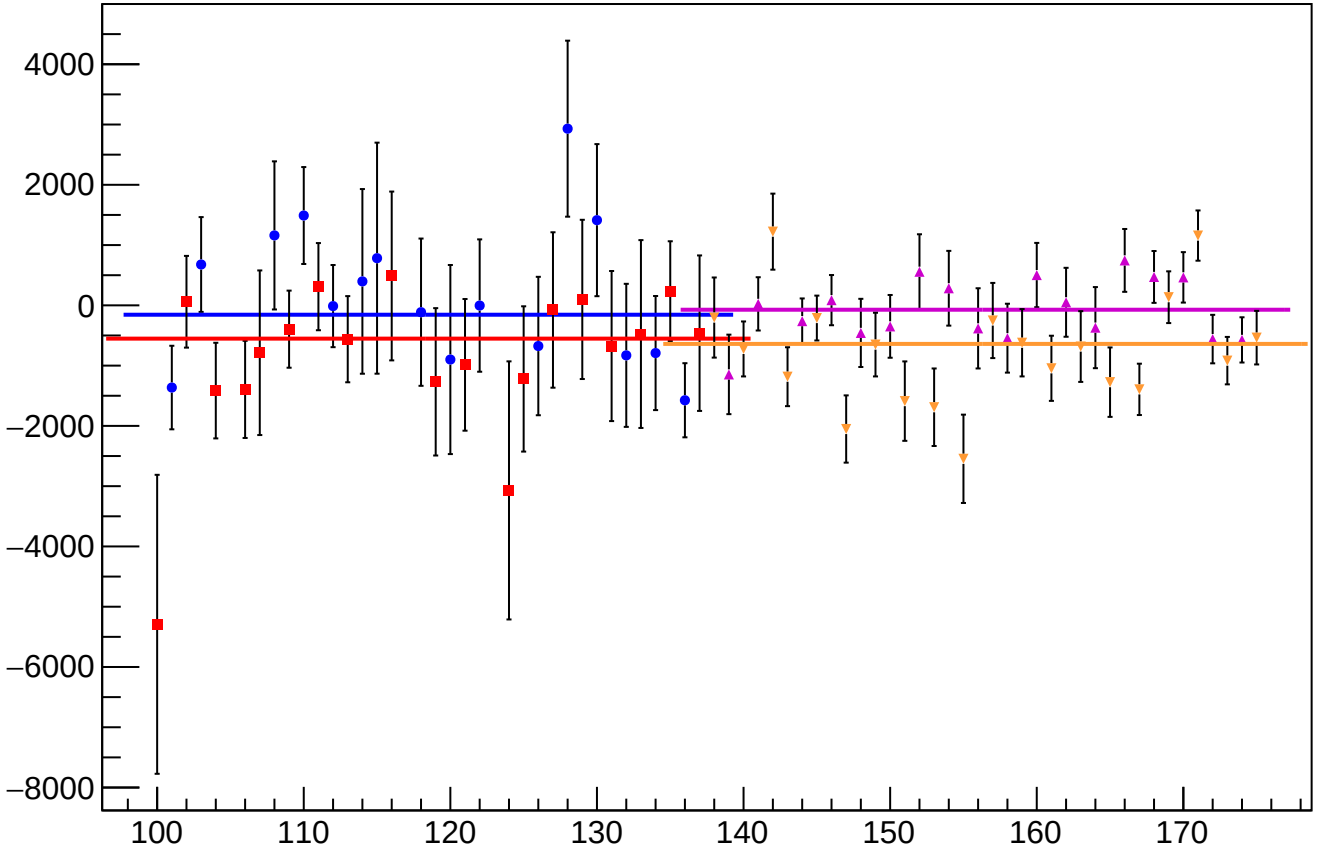
Left In: 437.765+/-0.082 χ^2/NDF:1031845.2/17

+ sign 475.482+/-0.073 χ^2/NDF: 2940067.7/35

All: 473.790+/-0.052 χ^2/NDF: 5730369.7/72

- sign 472.068+/-0.073 χ^2/NDF: 2789203.5/36

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -639.814+/-113.439 χ^2/NDF:57.4/19

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

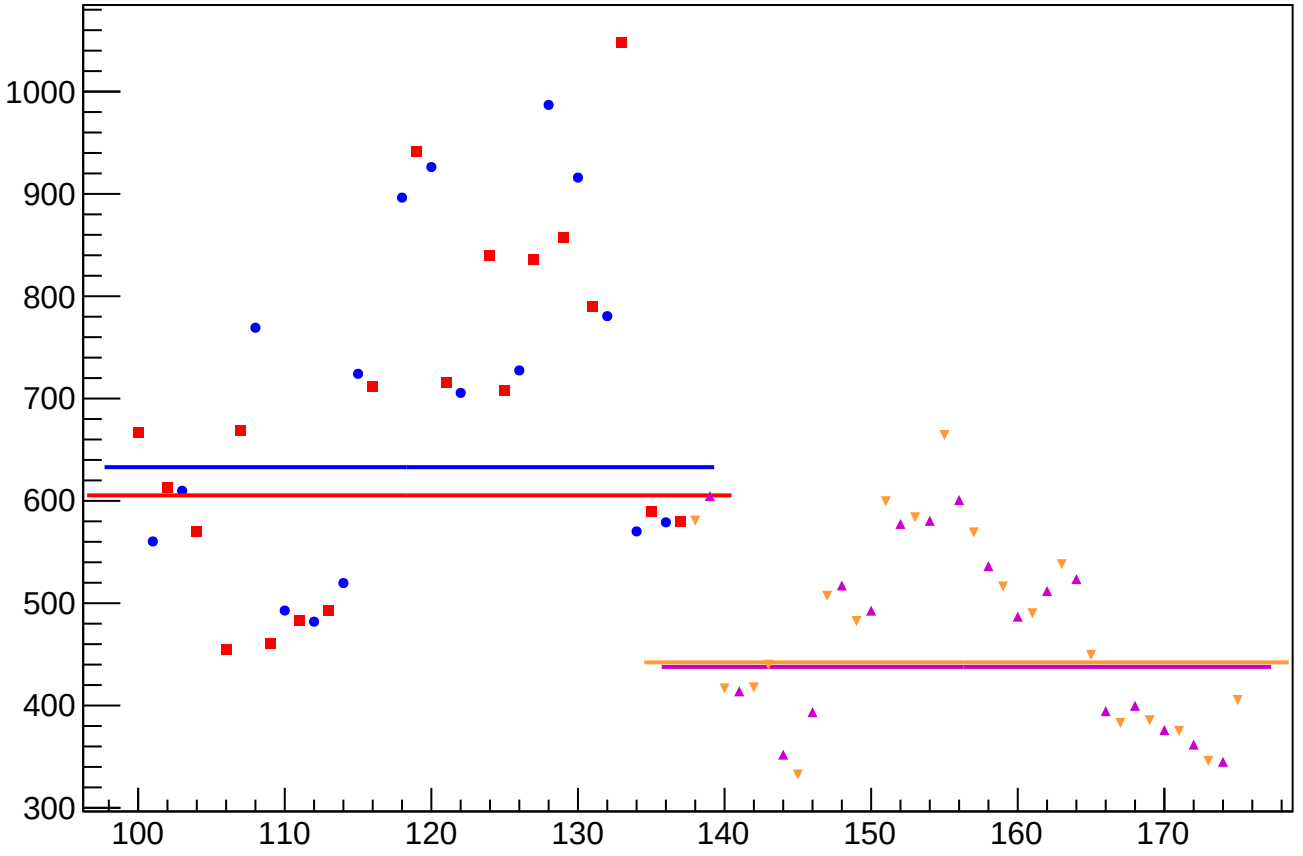
Left In: -72.664+/-115.902 χ^2/NDF:16.5/17

+ sign -552.944+/-102.759 χ^2/NDF: 83.1/35

All: -362.924+/-72.888 χ^2/NDF: 122.1/72

- sign -170.523+/-103.402 χ^2/NDF: 32.1/36

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 442.192+/-0.080 χ^2/NDF:1149652.4/19

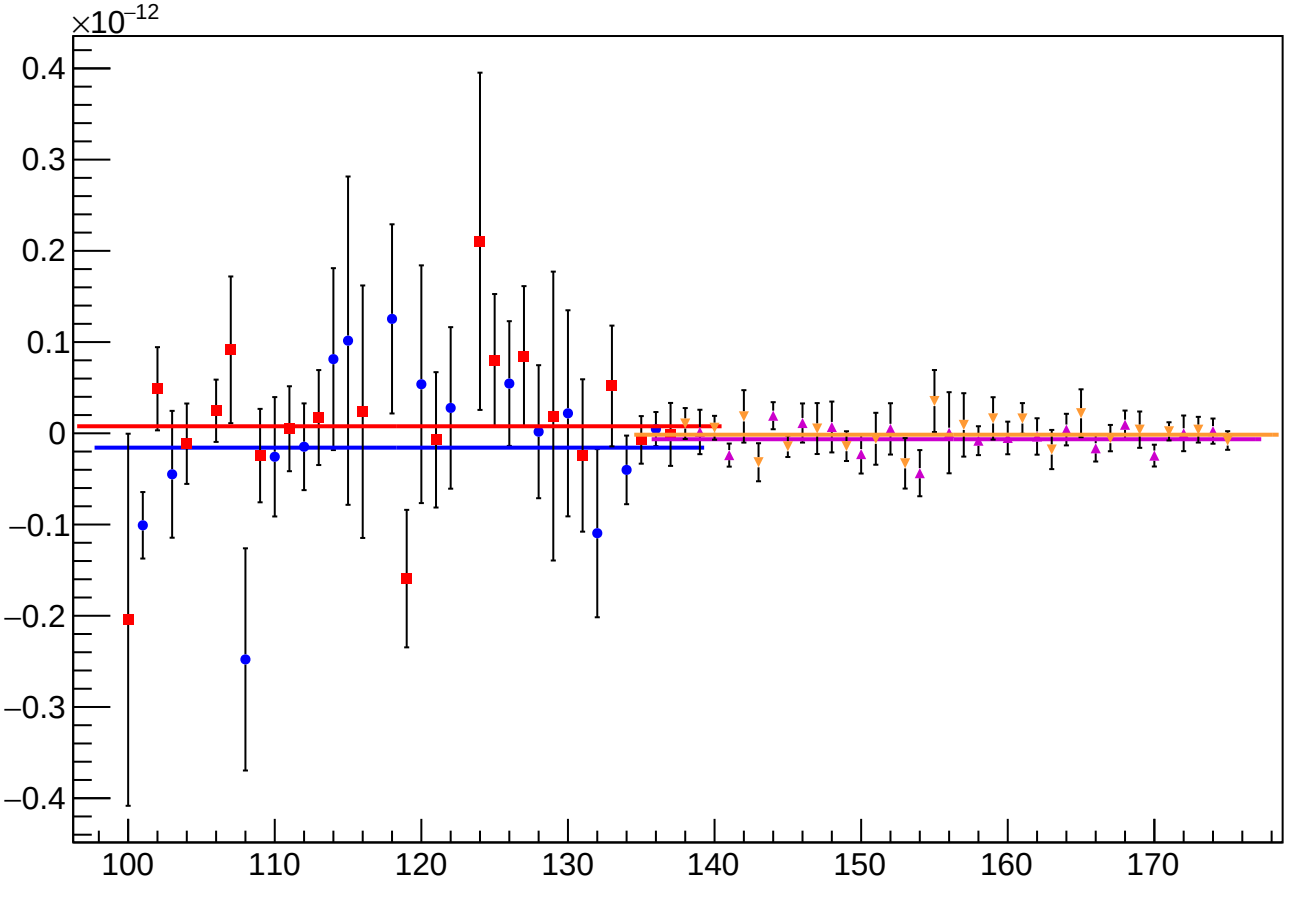
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 437.751+/-0.082 χ^2/NDF:1058612.4/17

+ sign 476.421+/-0.073 χ^2/NDF: 2845695.2/35

All: 474.204+/-0.052 χ^2/NDF: 5613878.7/72

- sign 471.960+/-0.073 χ^2/NDF: 2766310.1/36



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

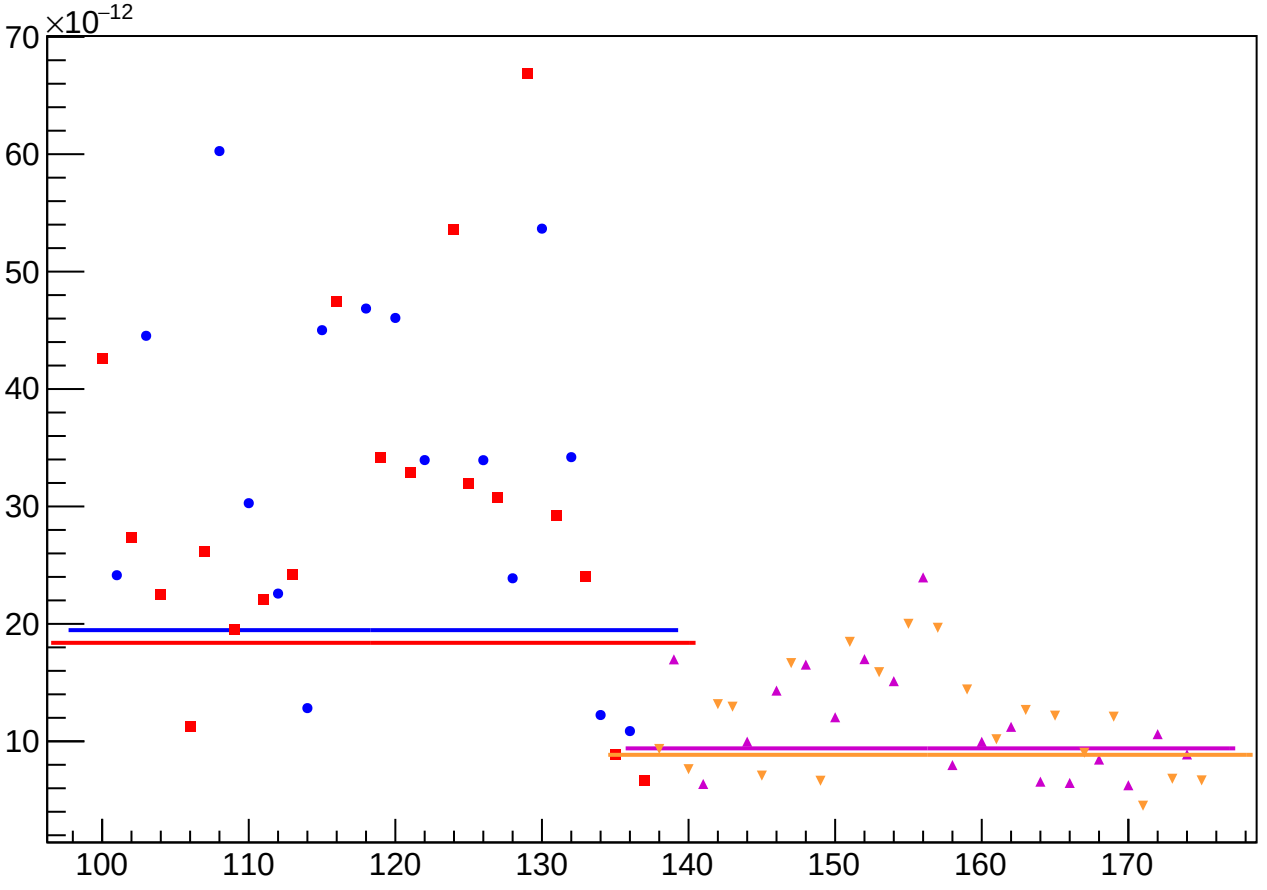
Left In: -0.000+/-0.000 χ^2/NDF:13.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 29.8/35

All: -0.000+/-0.000 χ^2/NDF: 57.8/72

- sign -0.000+/-0.000 χ^2/NDF: 27.8/36

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1935188.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

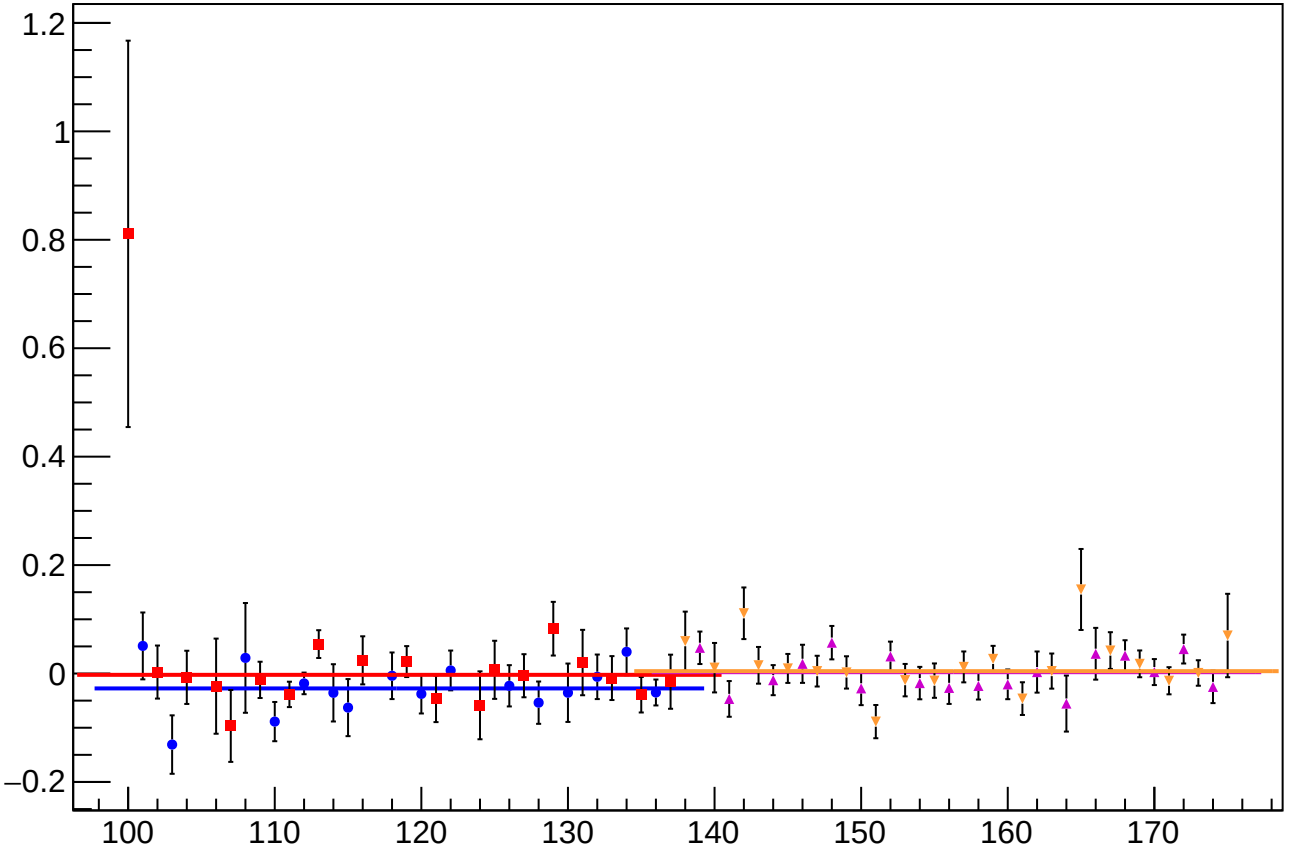
Left In: 0.000+/-0.000 χ^2/NDF:1368482.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 4972610.7/35

All: 0.000+/-0.000 χ^2/NDF: 8791151.6/72

- sign 0.000+/-0.000 χ^2/NDF: 3792017.6/36

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.7/19

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

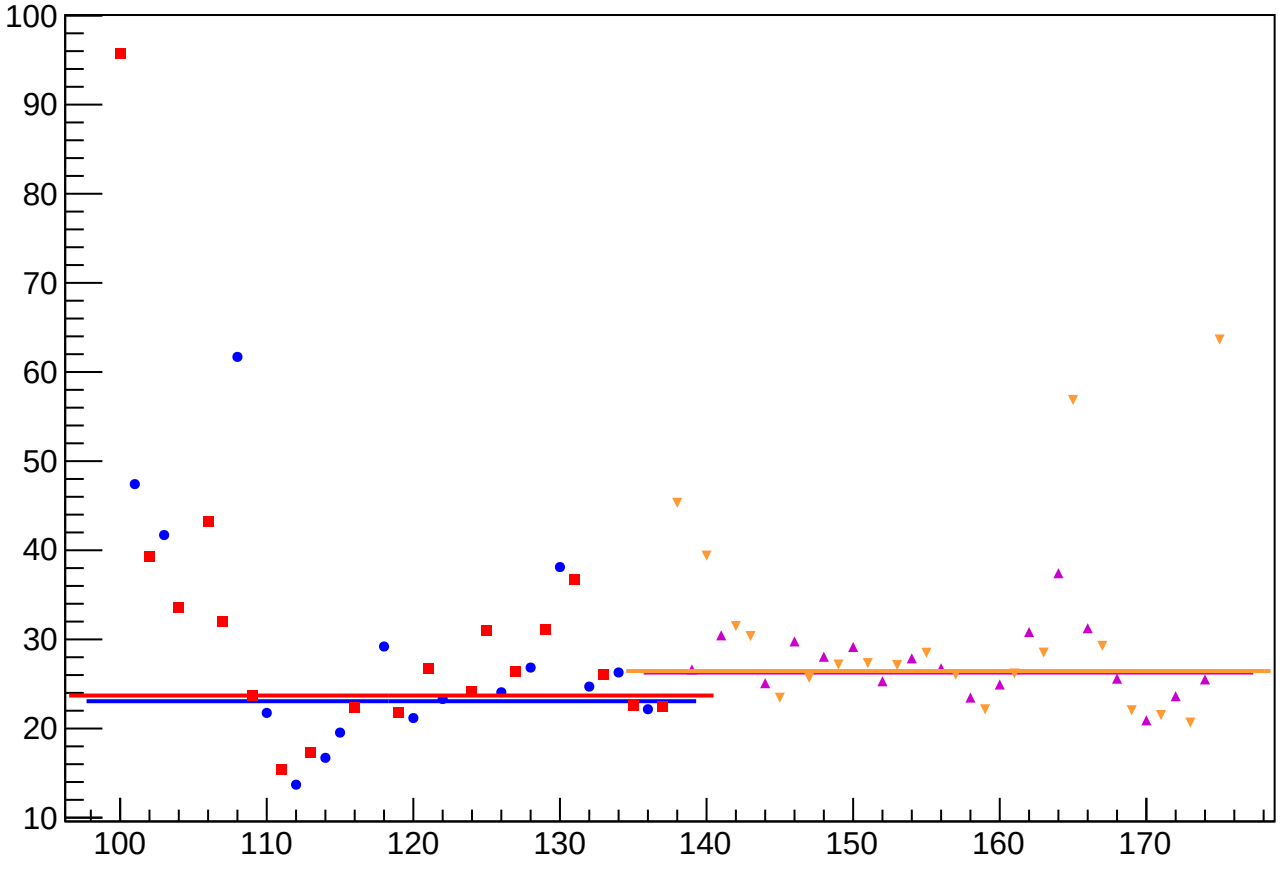
Left In: 0.002+/-0.007 χ^2/NDF:19.6/17

+ sign -0.007+/-0.006 χ^2/NDF: 47.7/35

All: -0.003+/-0.004 χ^2/NDF: 90.5/72

- sign 0.001+/-0.006 χ^2/NDF: 41.8/36

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.451+/-0.005 χ^2/NDF:1636312.0/19

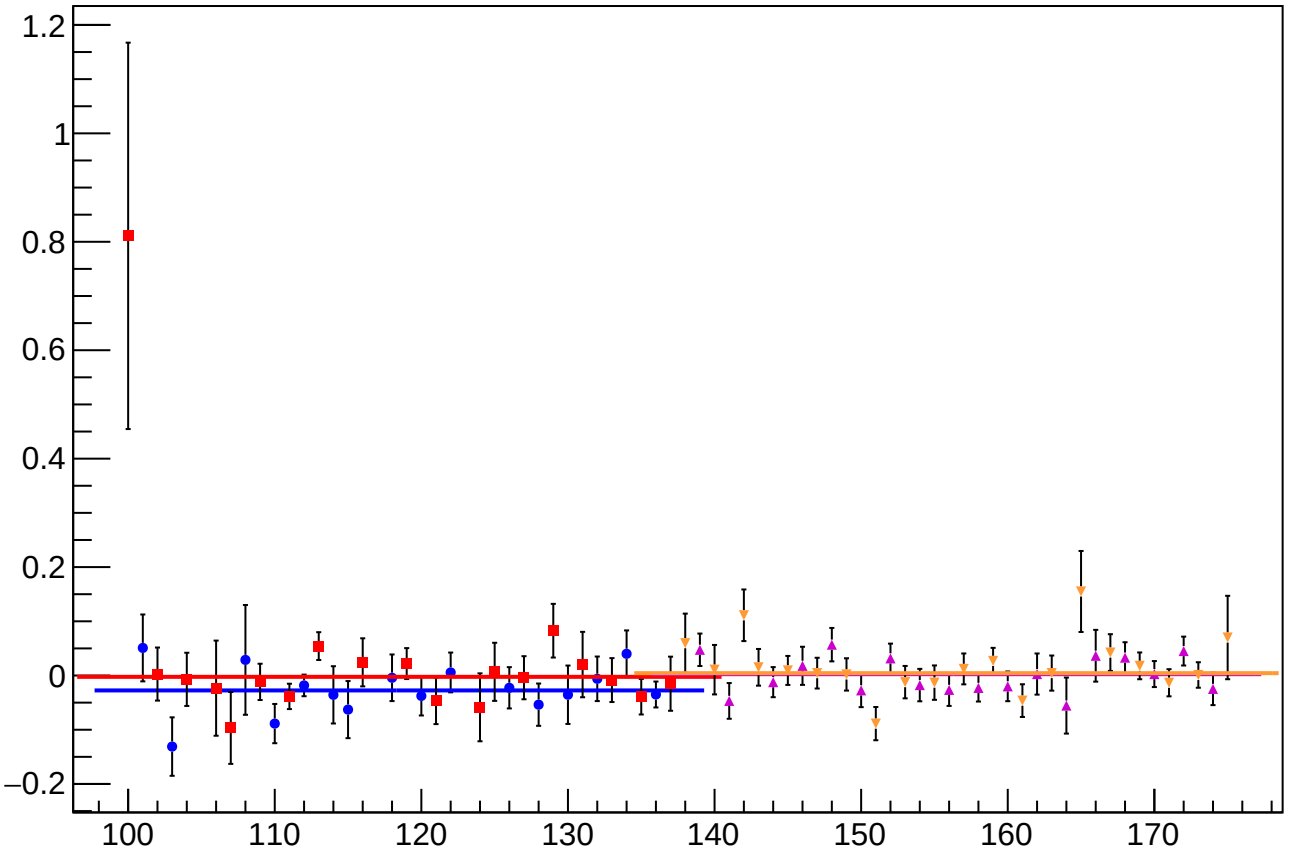
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.277+/-0.005 χ^2/NDF:383796.1/17

+ sign 25.240+/-0.004 χ^2/NDF: 3367642.1/35

All: 25.283+/-0.003 χ^2/NDF: 4937024.1/72

- sign 25.326+/-0.004 χ^2/NDF: 1569148.9/36



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.7/19

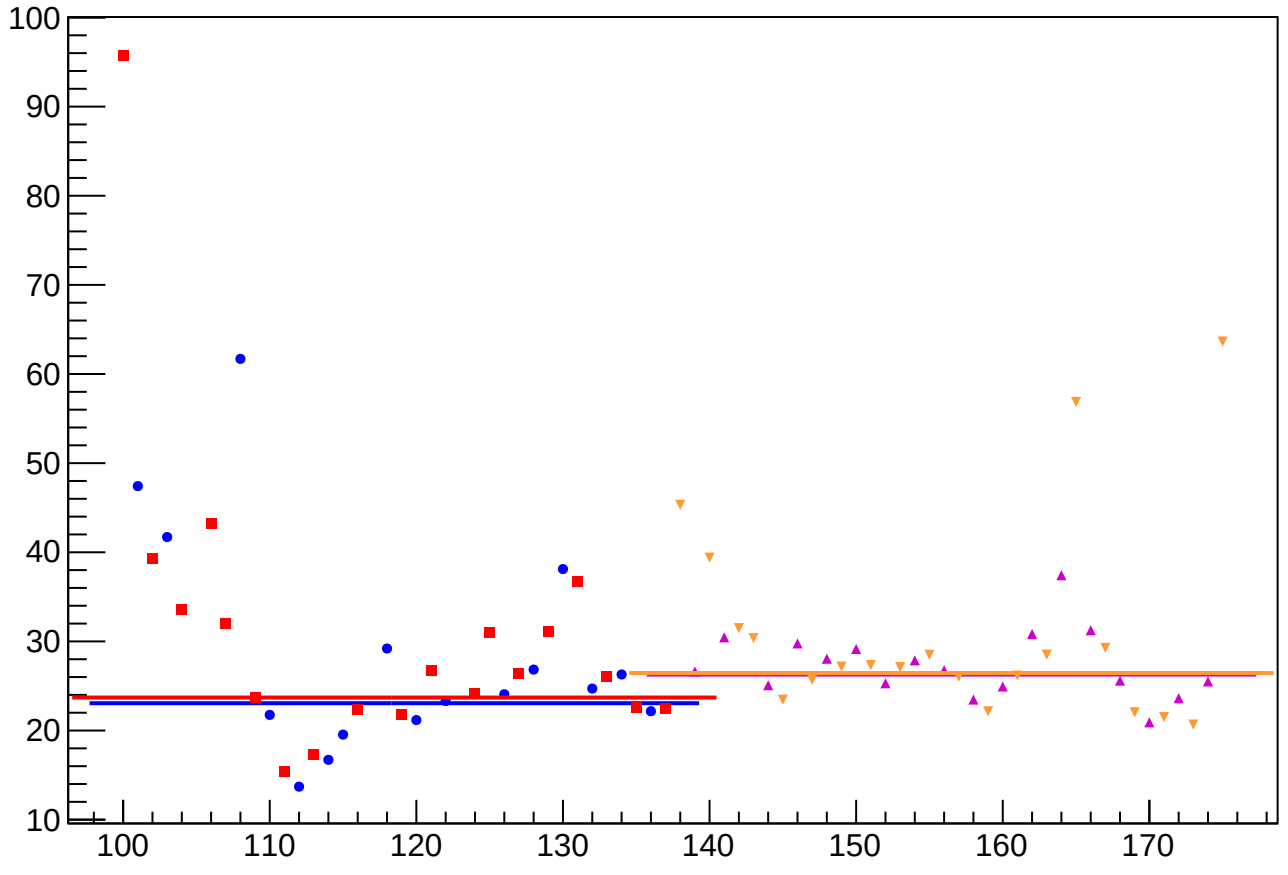
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.007 χ^2/NDF:19.6/17

+ sign -0.007+/-0.006 χ^2/NDF: 47.7/35

All: -0.003+/-0.004 χ^2/NDF: 90.5/72

- sign 0.001+/-0.006 χ^2/NDF: 41.8/36



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.451+/-0.005 χ^2/NDF:1636312.0/19

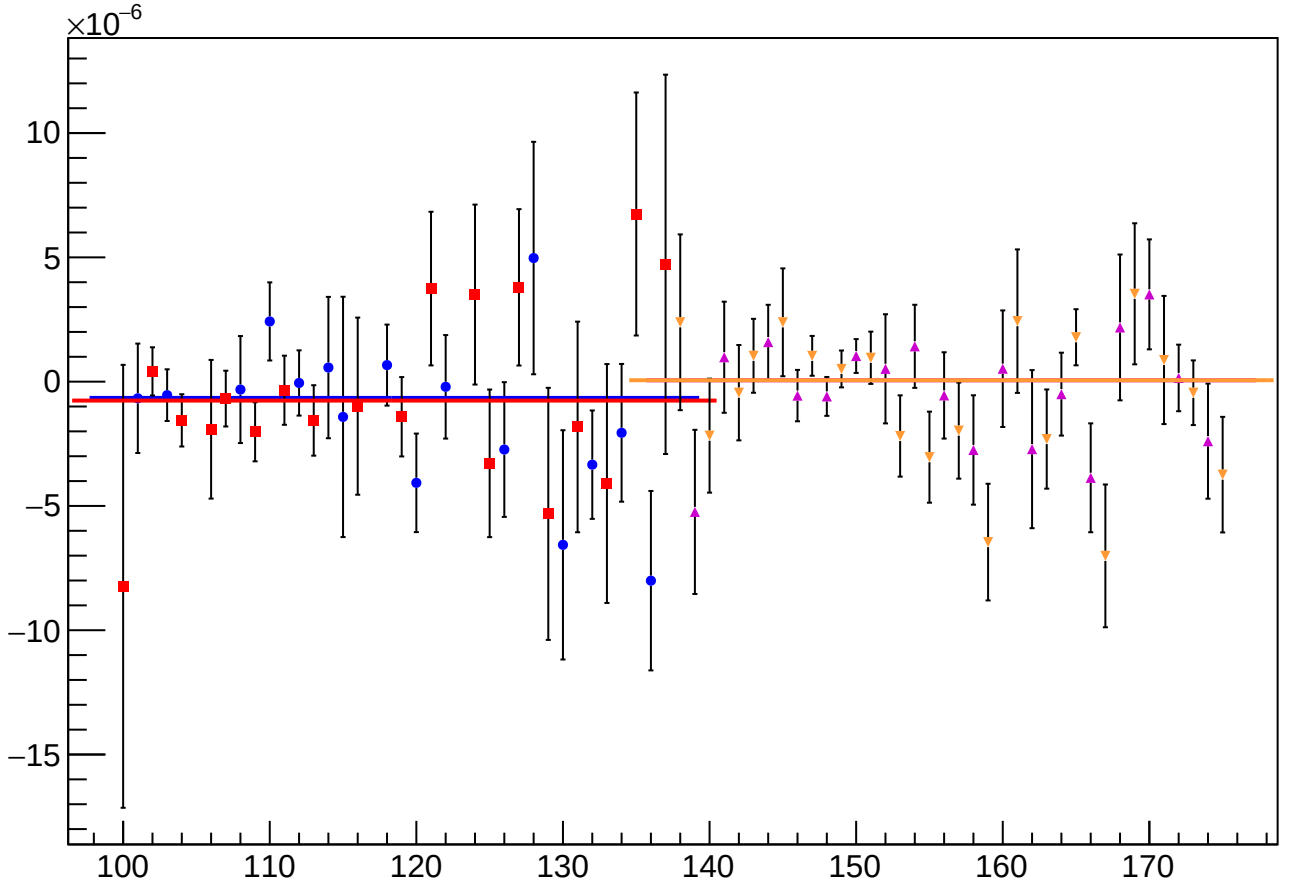
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.277+/-0.005 χ^2/NDF:383796.1/17

+ sign 25.240+/-0.004 χ^2/NDF: 3367642.1/35

All: 25.283+/-0.003 χ^2/NDF: 4937024.1/72

- sign 25.326+/-0.004 χ^2/NDF: 1569148.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/19

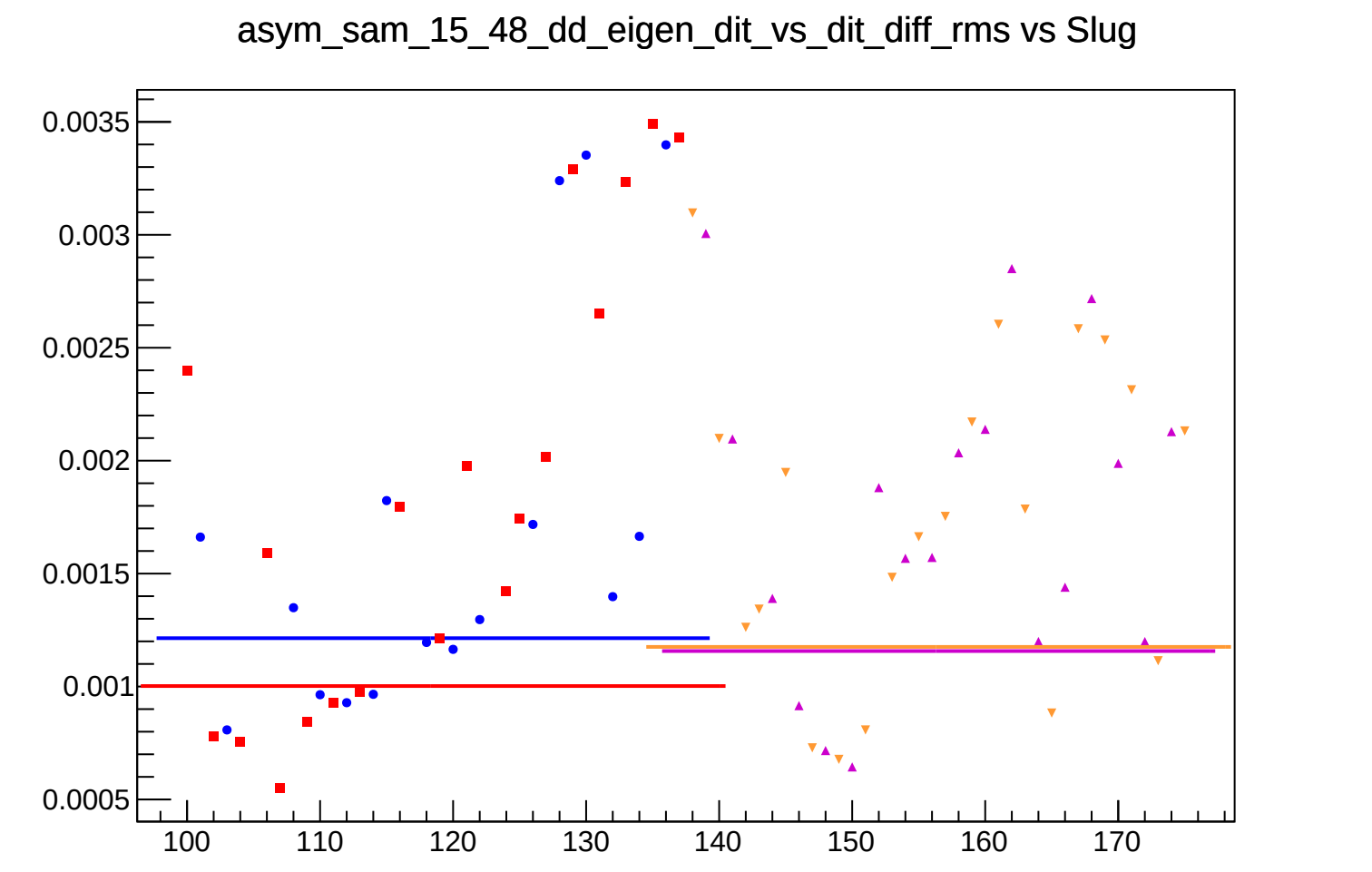
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

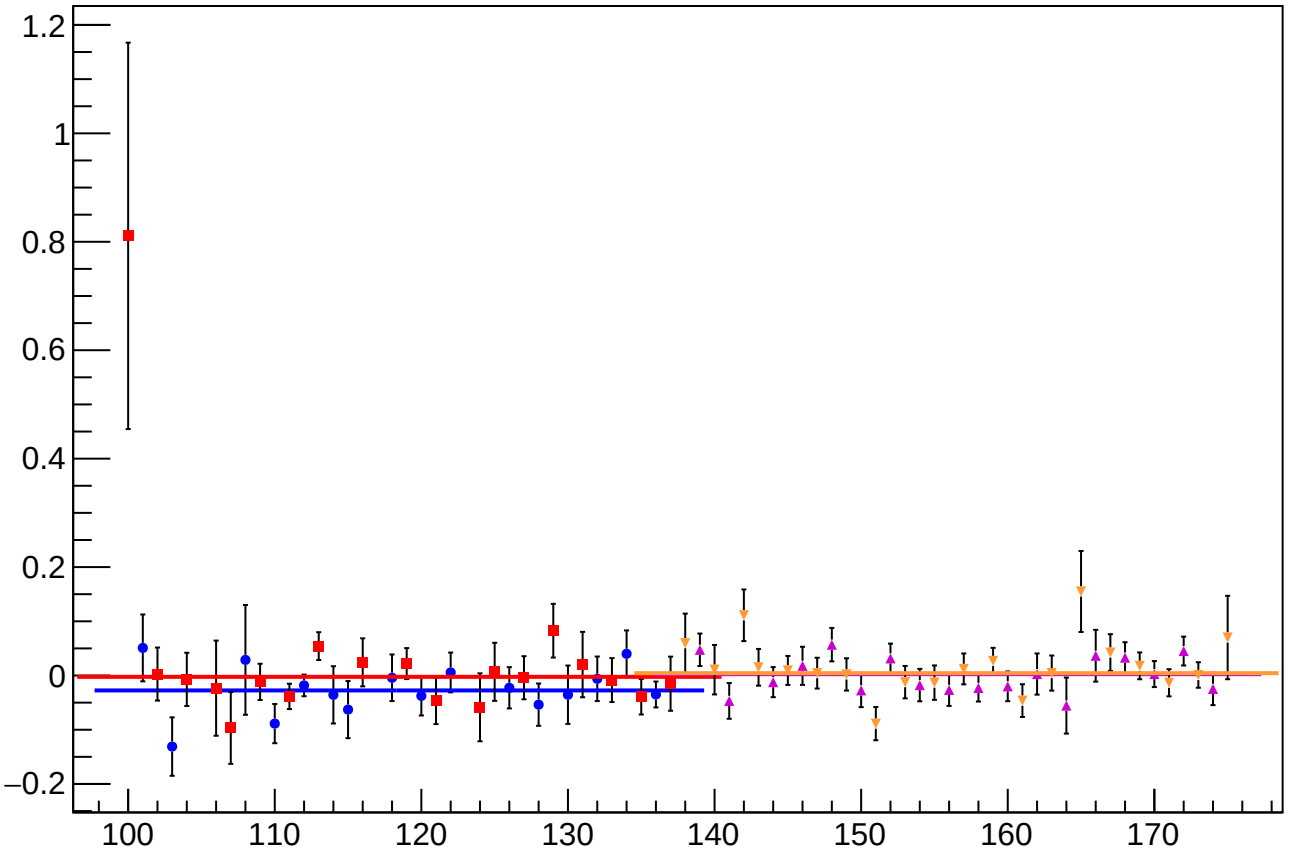
Left In: 0.000+/-0.000 χ^2/NDF:17.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 53.1/35

All: -0.000+/-0.000 χ^2/NDF: 88.1/72

- sign -0.000+/-0.000 χ^2/NDF: 35.0/36


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:6200860.5/19
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:5833648.4/17
+ sign 0.001+/-0.000 χ²/NDF: 8476507.1/35
All: 0.001+/-0.000 χ²/NDF: 17866837.6/72
- sign 0.001+/-0.000 χ²/NDF: 9274410.8/36



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.7/19

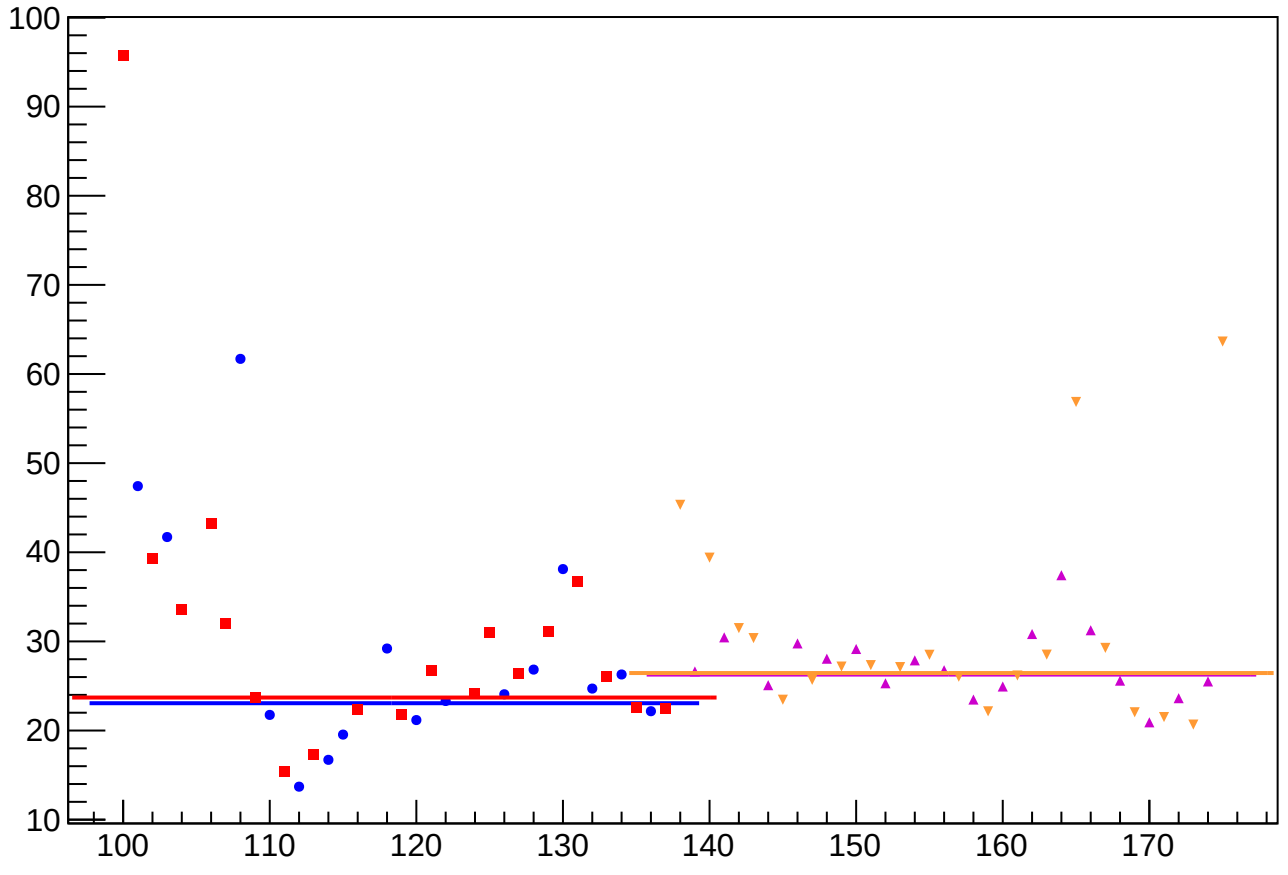
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.007 χ^2/NDF:19.6/17

+ sign -0.007+/-0.006 χ^2/NDF: 47.7/35

All: -0.003+/-0.004 χ^2/NDF: 90.5/72

- sign 0.001+/-0.006 χ^2/NDF: 41.8/36



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.451+/-0.005 χ^2/NDF:1636261.6/19

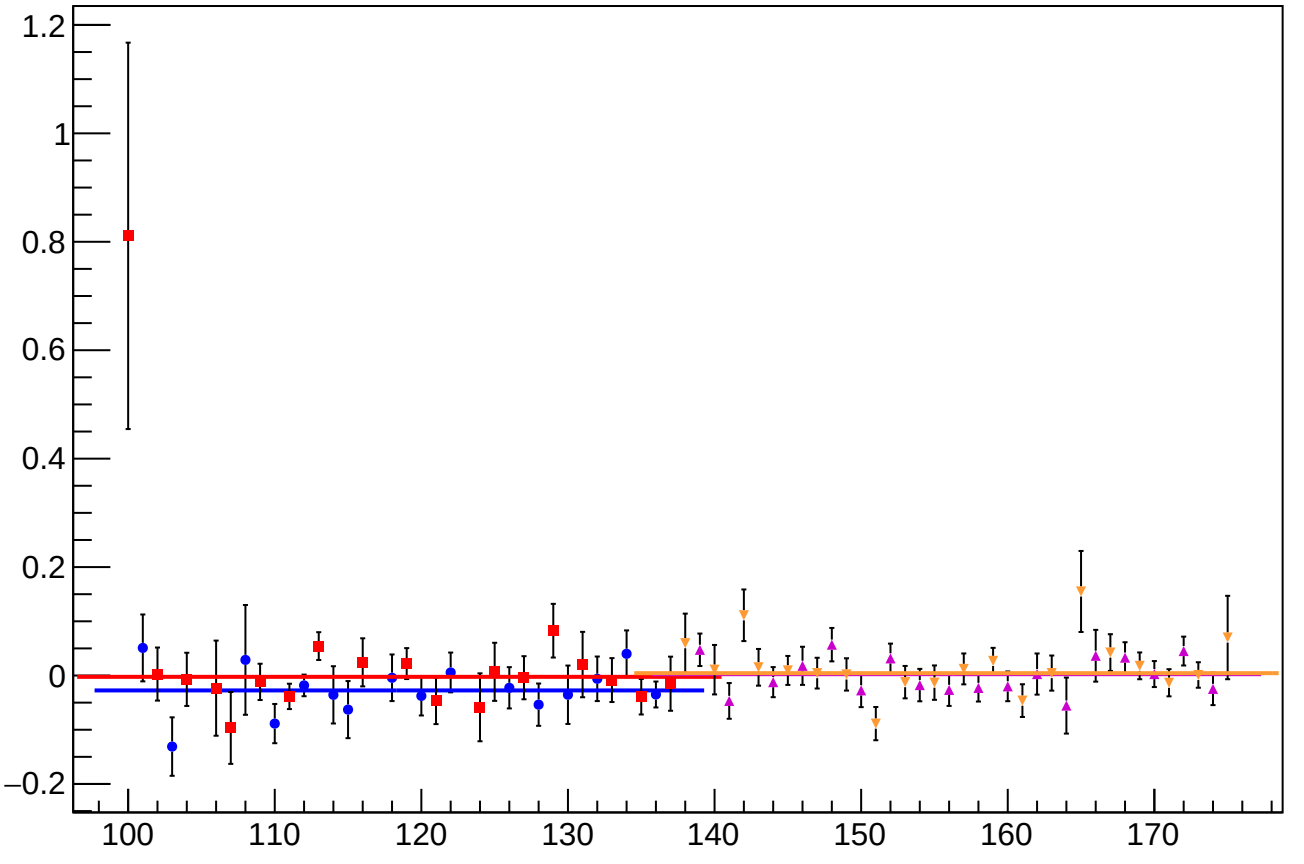
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.277+/-0.005 χ^2/NDF:383800.2/17

+ sign 25.240+/-0.004 χ^2/NDF: 3367658.5/35

All: 25.283+/-0.003 χ^2/NDF: 4937114.0/72

- sign 25.326+/-0.004 χ^2/NDF: 1569222.9/36



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.7/19

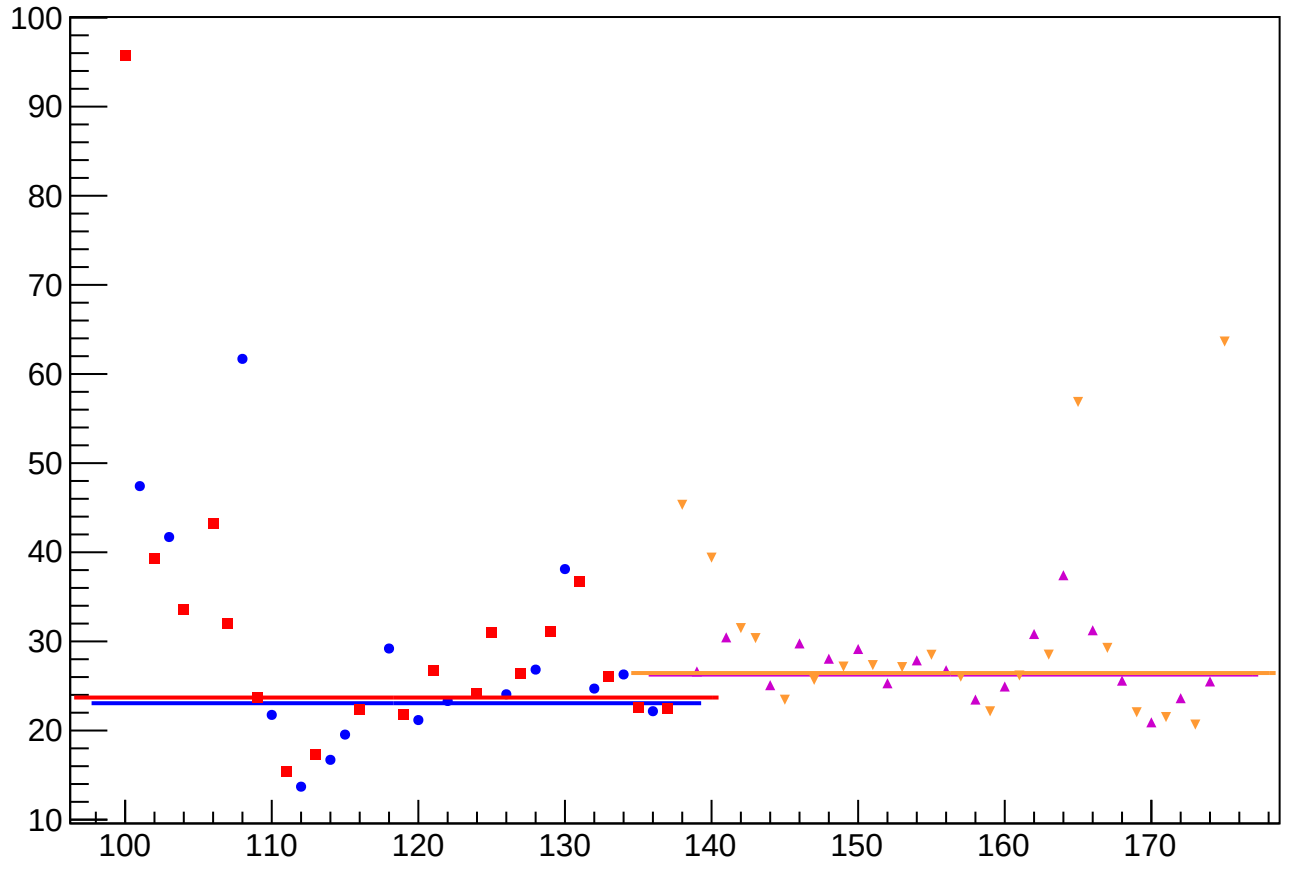
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.007 χ^2/NDF:19.6/17

+ sign -0.007+/-0.006 χ^2/NDF: 47.7/35

All: -0.003+/-0.004 χ^2/NDF: 90.5/72

- sign 0.001+/-0.006 χ^2/NDF: 41.8/36



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.451+/-0.005 χ^2/NDF:1636261.6/19

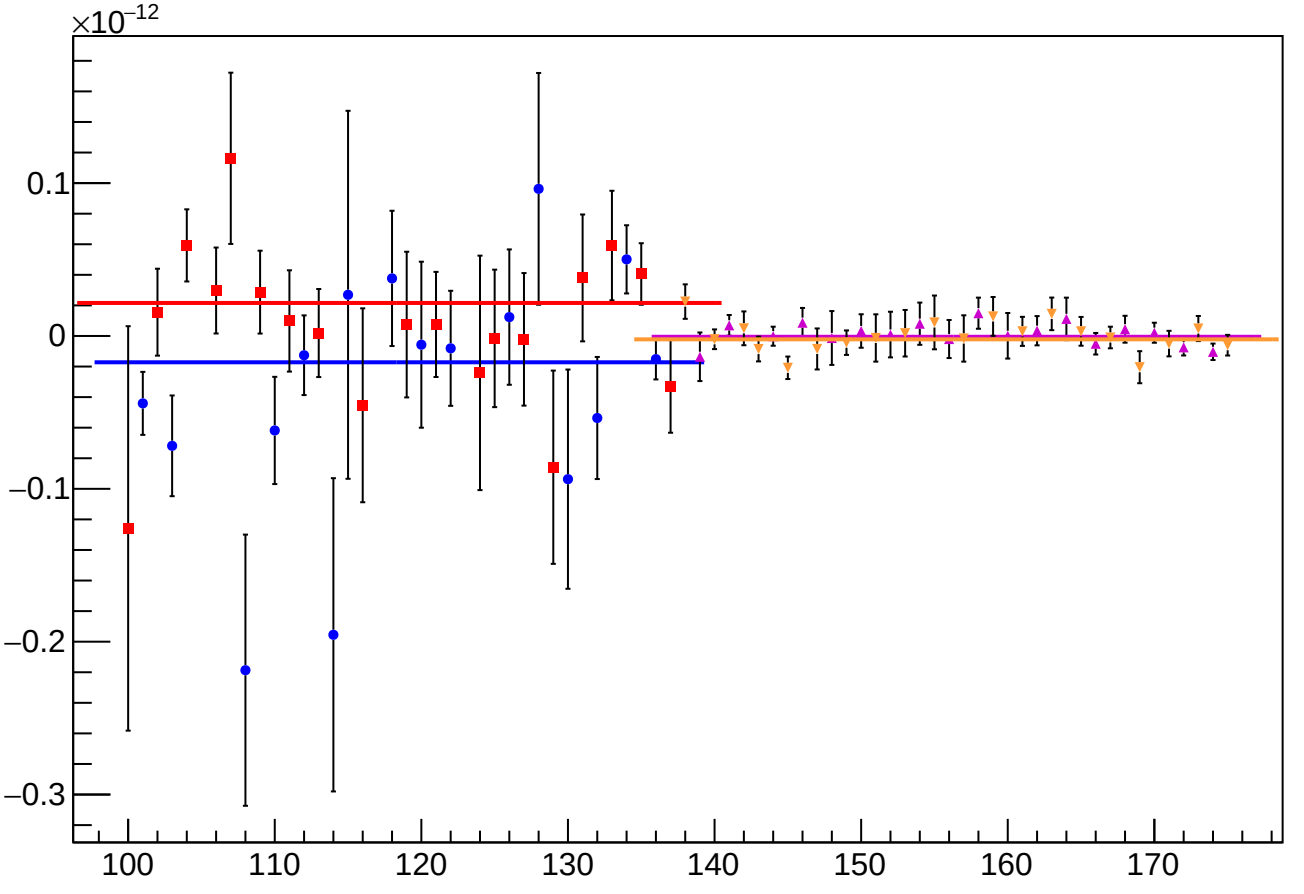
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.277+/-0.005 χ^2/NDF:383800.2/17

+ sign 25.240+/-0.004 χ^2/NDF: 3367658.5/35

All: 25.283+/-0.003 χ^2/NDF: 4937114.0/72

- sign 25.326+/-0.004 χ^2/NDF: 1569222.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/19

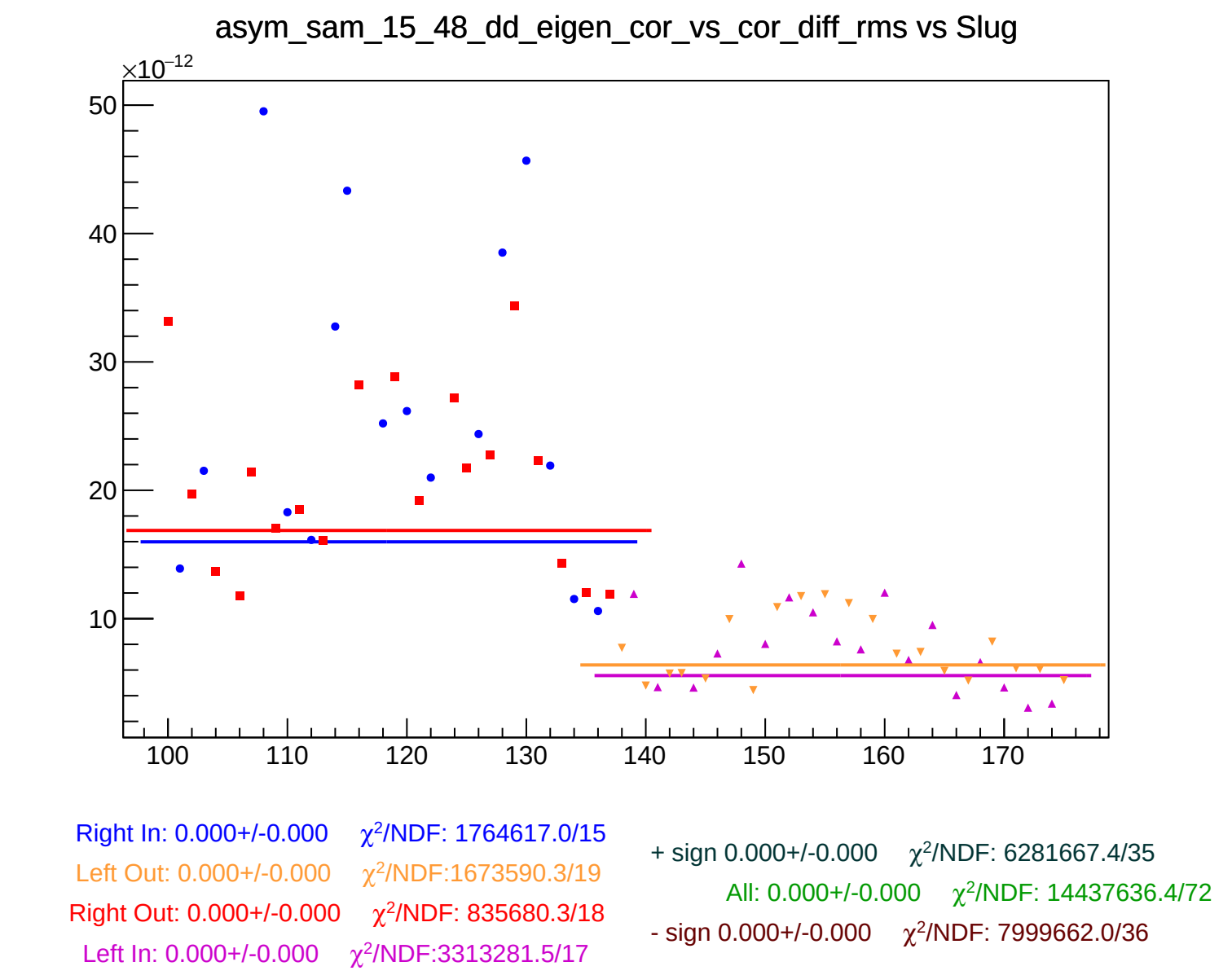
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.4/17

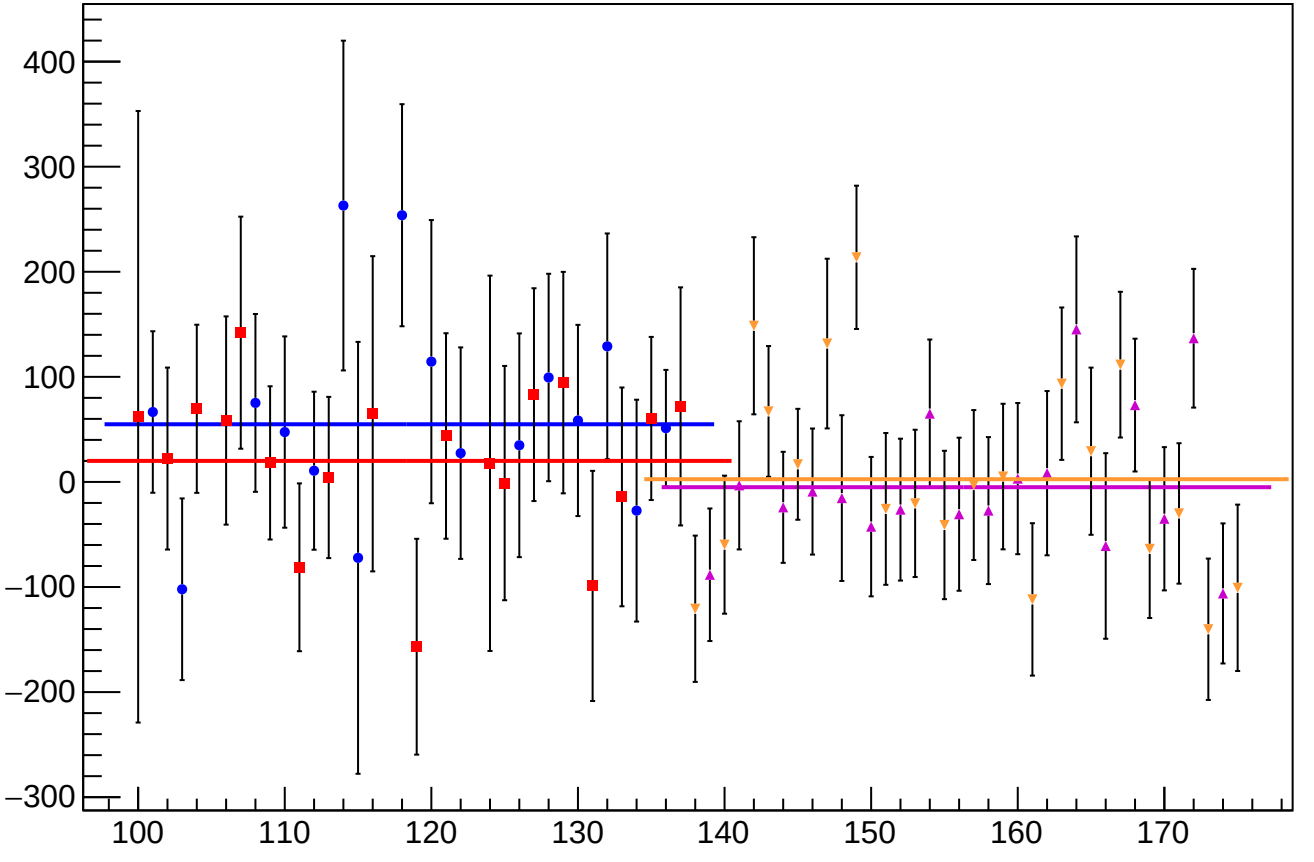
+ sign -0.000+/-0.000 χ^2/NDF: 55.0/35

All: -0.000+/-0.000 χ^2/NDF: 94.9/72

- sign 0.000+/-0.000 χ^2/NDF: 37.8/36


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1673590.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:3313281.5/17
+ sign 0.000+/-0.000 χ²/NDF: 6281667.4/35
All: 0.000+/-0.000 χ²/NDF: 14437636.4/72
- sign 0.000+/-0.000 χ²/NDF: 7999662.0/36

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 2.602+/-15.527 χ^2/NDF:35.1/19

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

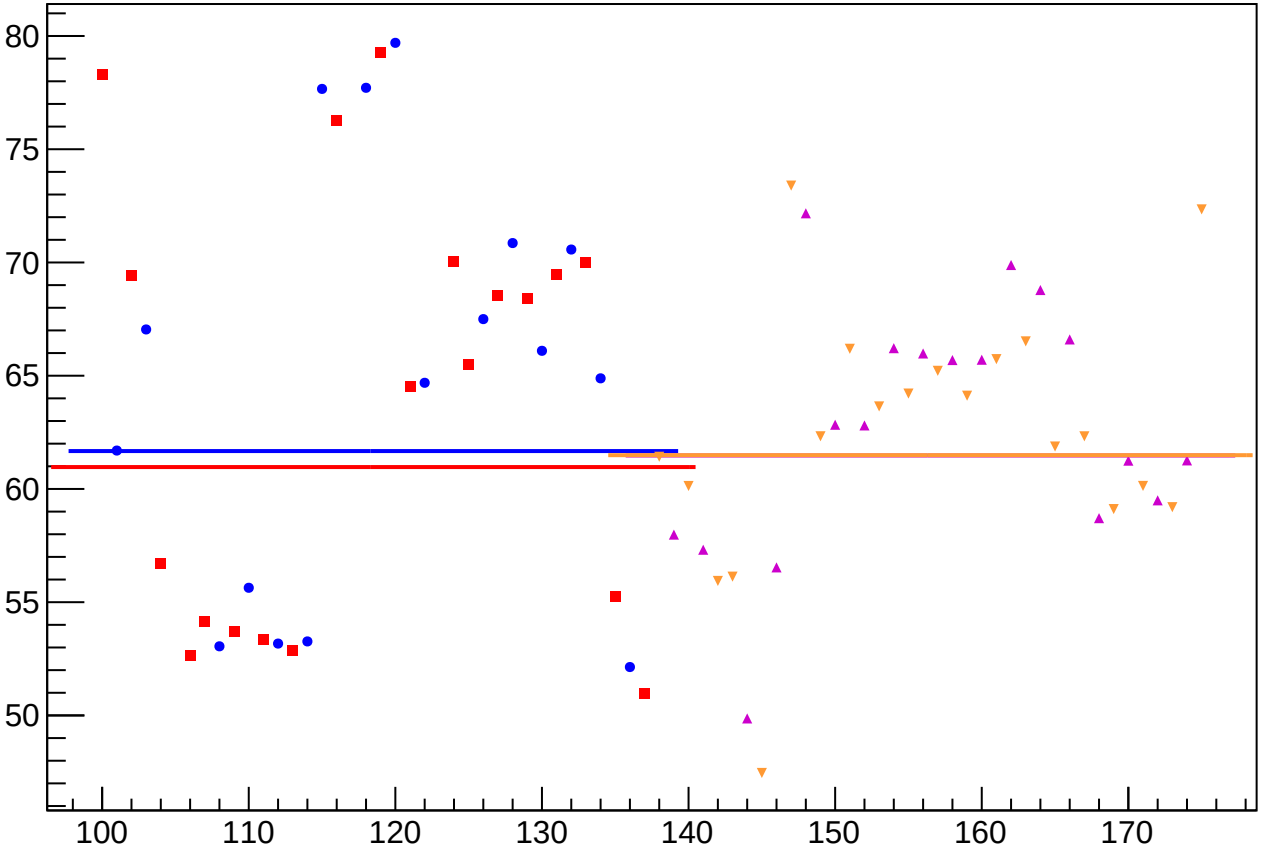
Left In: -5.014+/-16.031 χ^2/NDF:15.5/17

+ sign 18.796+/-12.900 χ^2/NDF: 49.6/35

All: 11.189+/-9.181 χ^2/NDF: 75.9/72

- sign 3.380+/-13.070 χ^2/NDF: 25.5/36

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.491+/-0.011 χ^2/NDF:291341.2/19

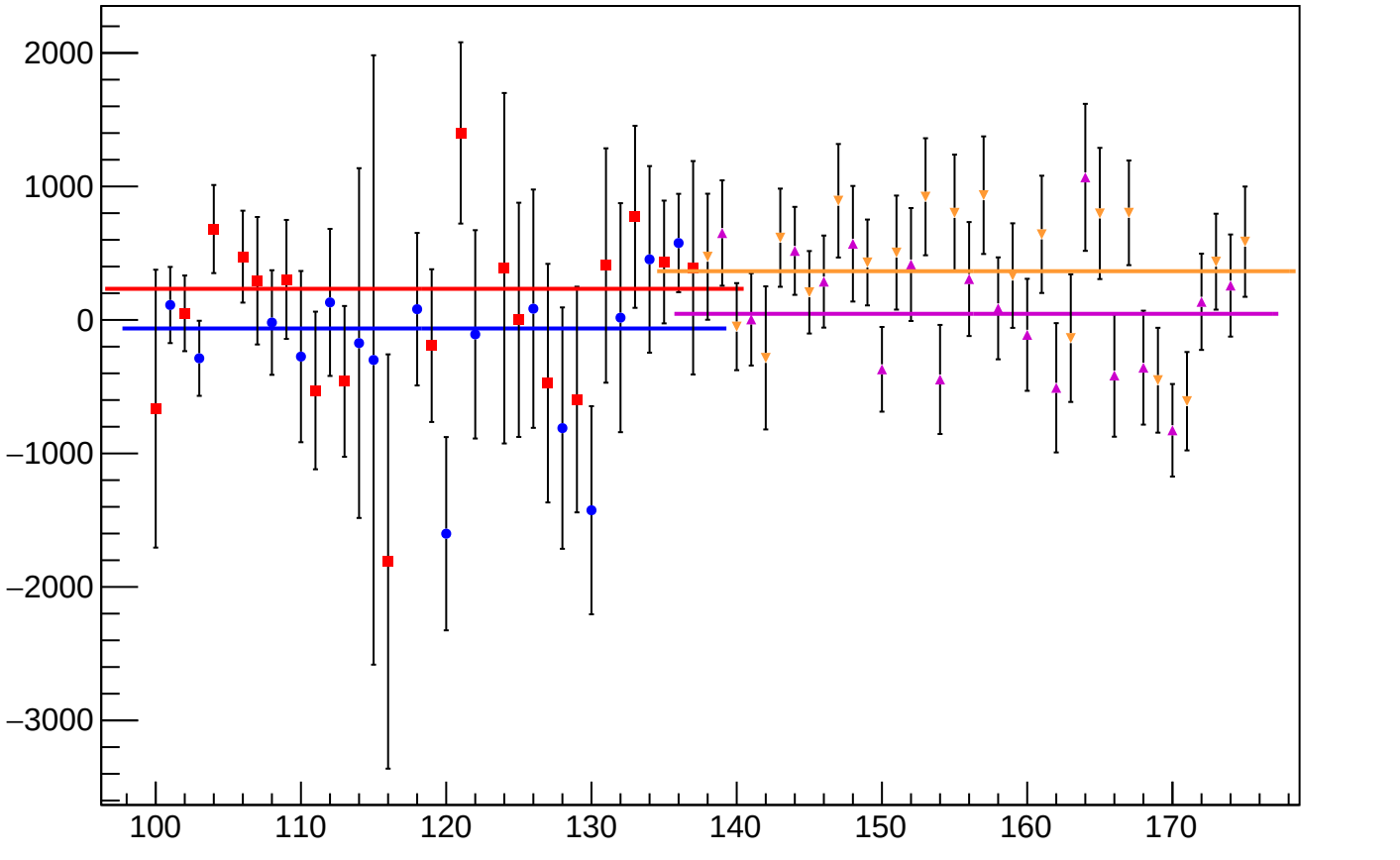
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.476+/-0.011 χ^2/NDF:244005.1/17

+ sign 61.547+/-0.009 χ^2/NDF: 558534.4/35

All: 61.428+/-0.006 χ^2/NDF: 1087748.3/72

- sign 61.305+/-0.009 χ^2/NDF: 528866.9/36



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 365.291+/-89.190 χ^2/NDF:25.0/19

Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

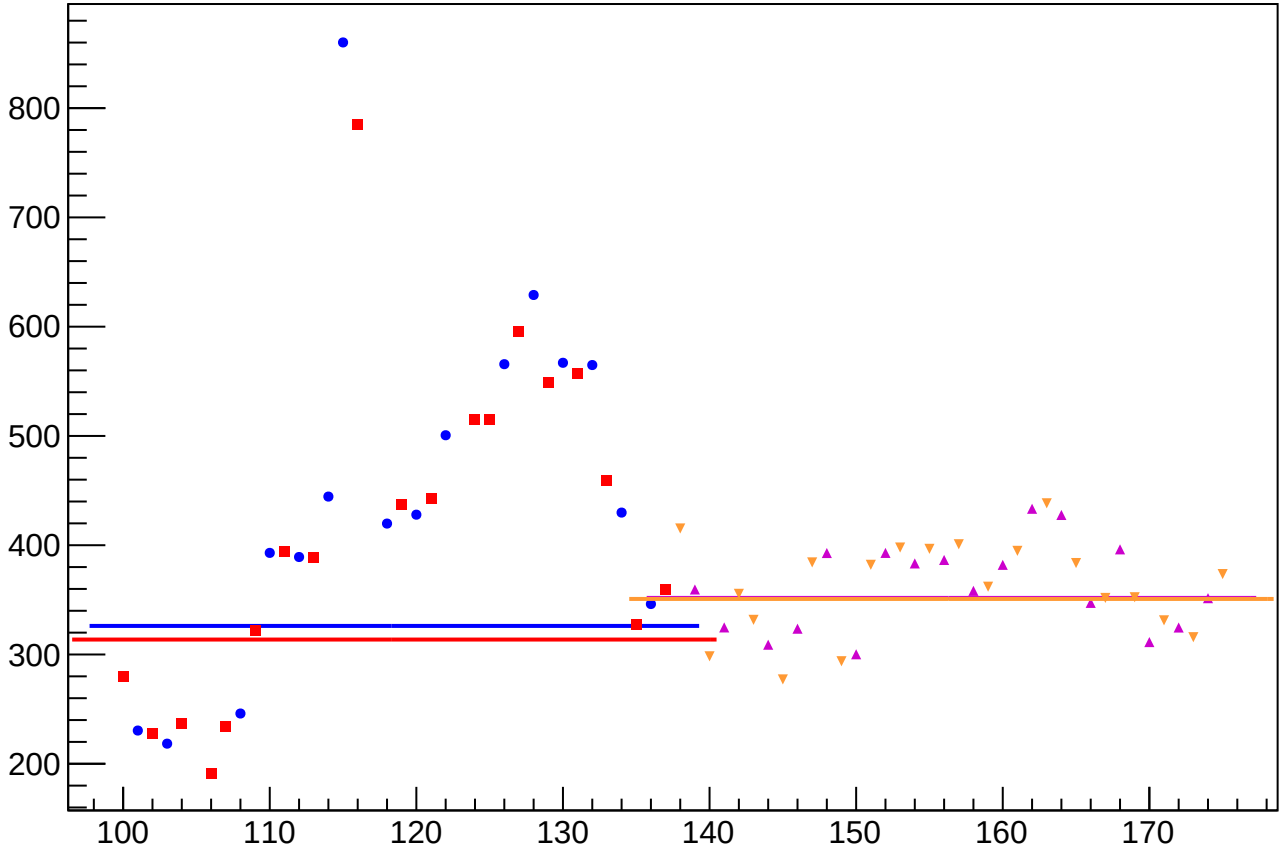
Left In: 45.904+/-92.079 χ^2/NDF:24.2/17

+ sign 227.479+/-73.486 χ^2/NDF: 45.6/35

All: 170.540+/-52.027 χ^2/NDF: 87.0/72

- sign 113.320+/-73.667 χ^2/NDF: 40.2/36

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 350.843+/-0.063 χ^2/NDF:493656.8/19

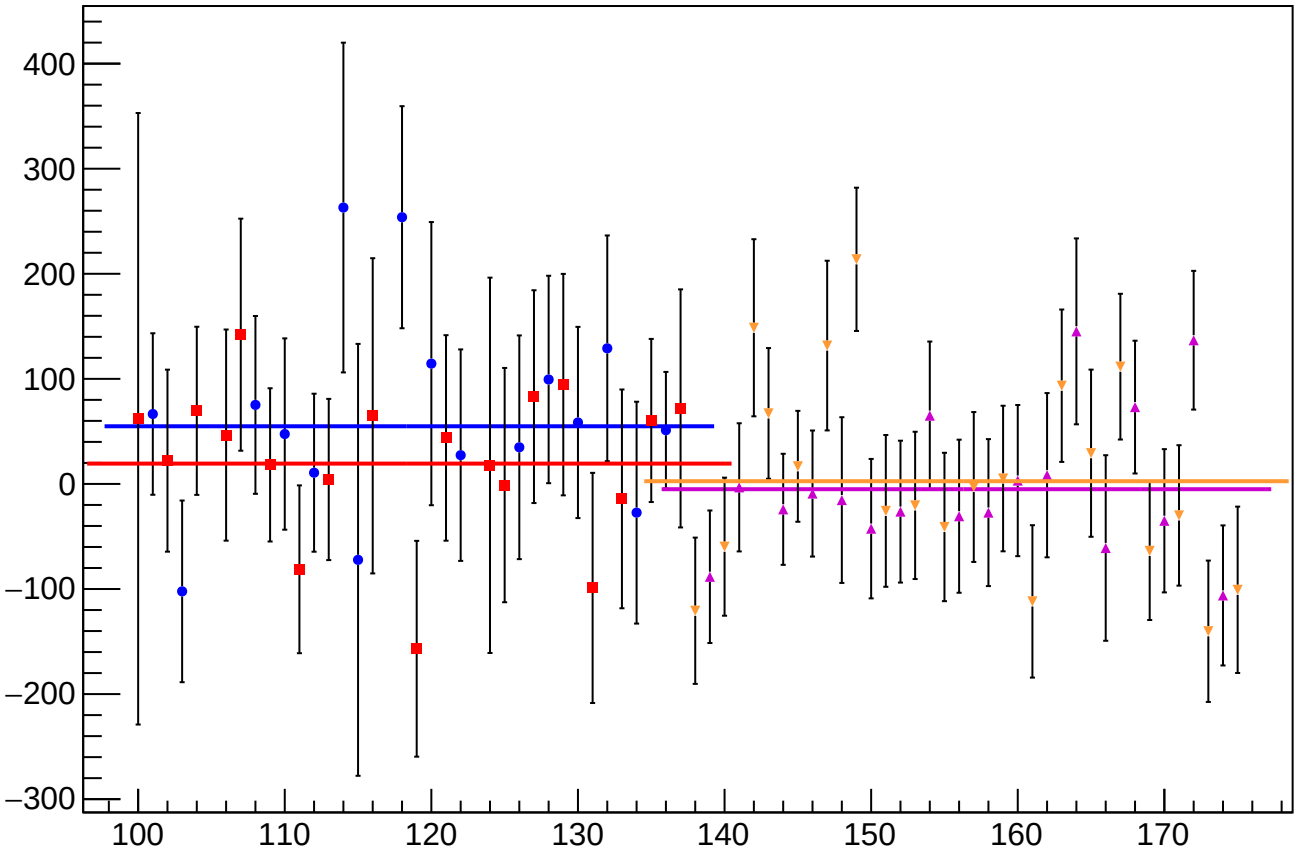
Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 351.782+/-0.065 χ^2/NDF:341242.4/17

\+ sign 342.912+/-0.052 χ^2/NDF: 2276892.9/35

All: 340.494+/-0.037 χ^2/NDF: 4533130.2/72

\- sign 338.065+/-0.052 χ^2/NDF: 2251897.5/36



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 2.600+/-15.527 χ^2/NDF:35.1/19

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

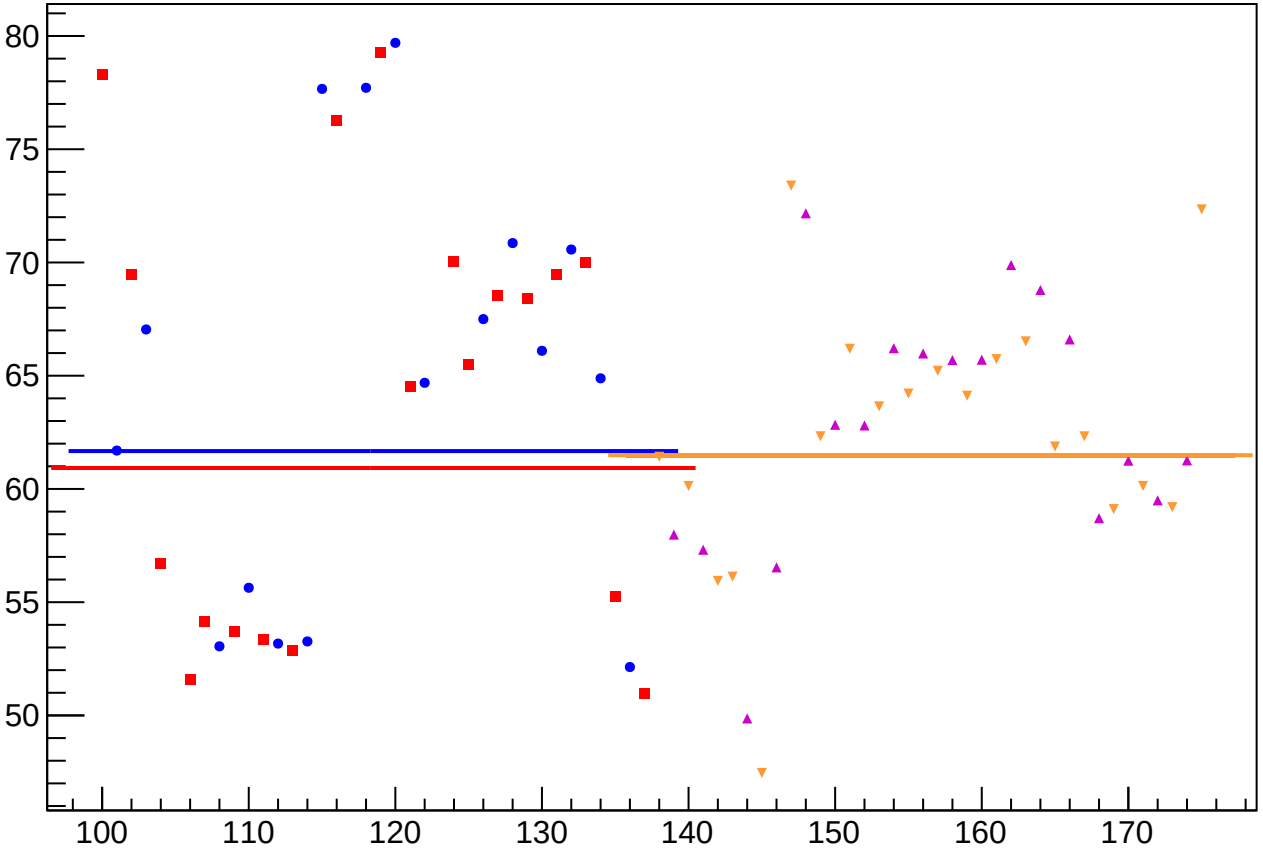
Left In: -5.014+/-16.031 χ^2/NDF:15.5/17

+ sign 18.793+/-12.900 χ^2/NDF: 49.6/35

All: 11.075+/-9.182 χ^2/NDF: 75.8/72

- sign 3.148+/-13.073 χ^2/NDF: 25.4/36

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.491+/-0.011 χ^2/NDF:291341.2/19

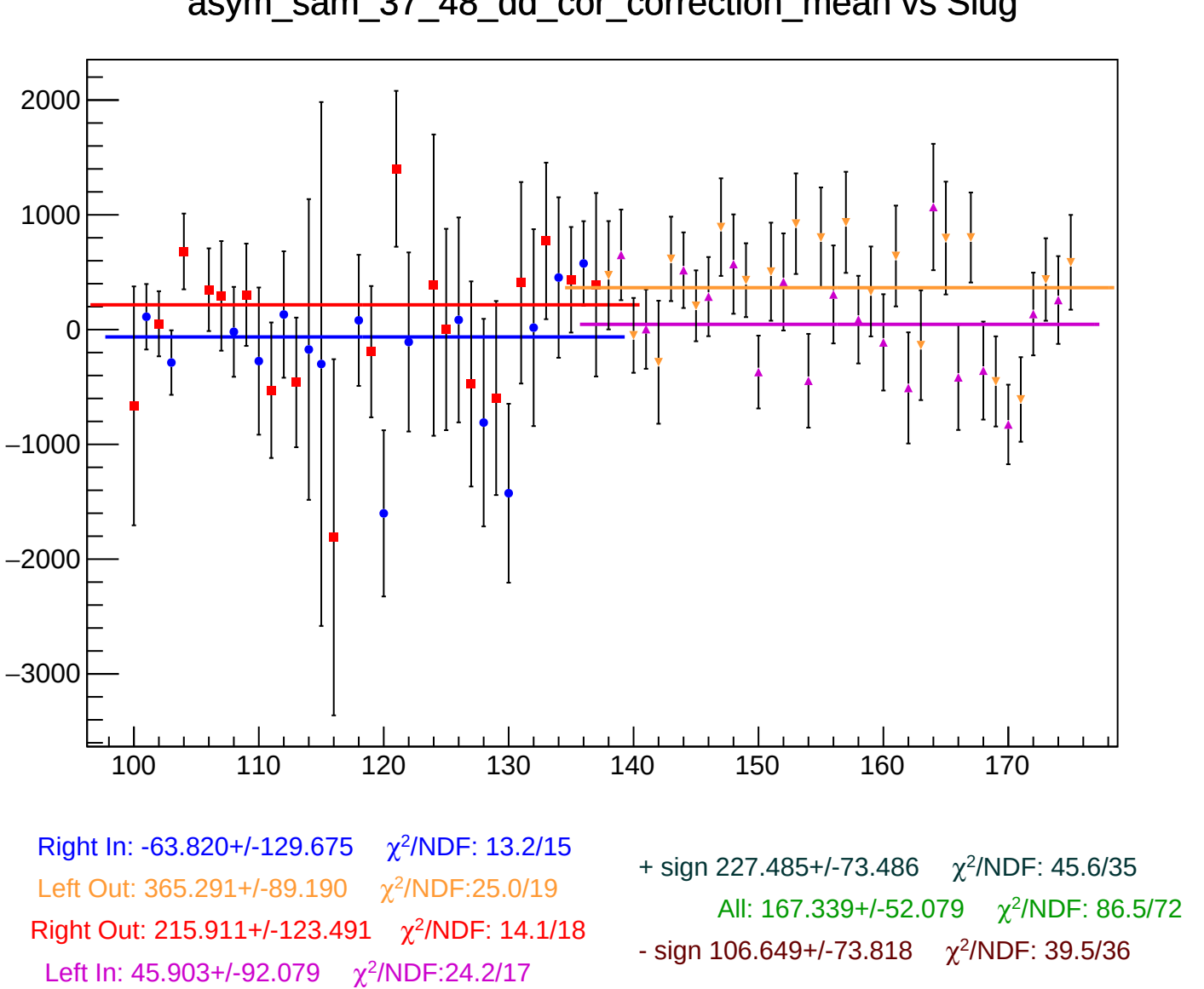
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.476+/-0.011 χ^2/NDF:244005.1/17

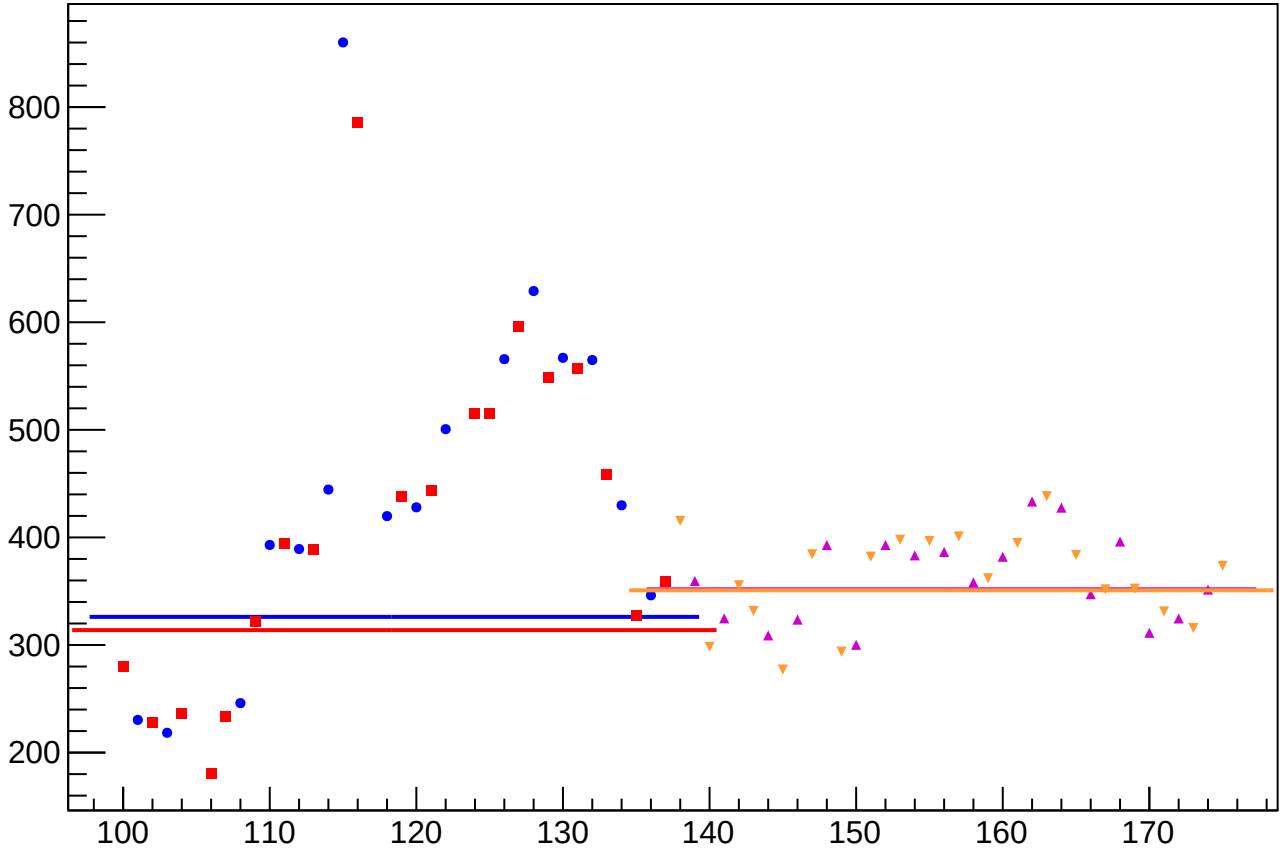
+ sign 61.547+/-0.009 χ^2/NDF: 558534.6/35

All: 61.421+/-0.006 χ^2/NDF: 1091296.7/72

- sign 61.292+/-0.009 χ^2/NDF: 532375.4/36


asym_sam_37_48_dd_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: 365.291+/-89.190 χ²/NDF:25.0/19
Right Out: 215.911+/-123.491 χ²/NDF: 14.1/18
Left In: 45.903+/-92.079 χ²/NDF:24.2/17
+ sign 227.485+/-73.486 χ²/NDF: 45.6/35
All: 167.339+/-52.079 χ²/NDF: 86.5/72
- sign 106.649+/-73.818 χ²/NDF: 39.5/36

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 350.843+/-0.063 χ^2/NDF:493654.6/19

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

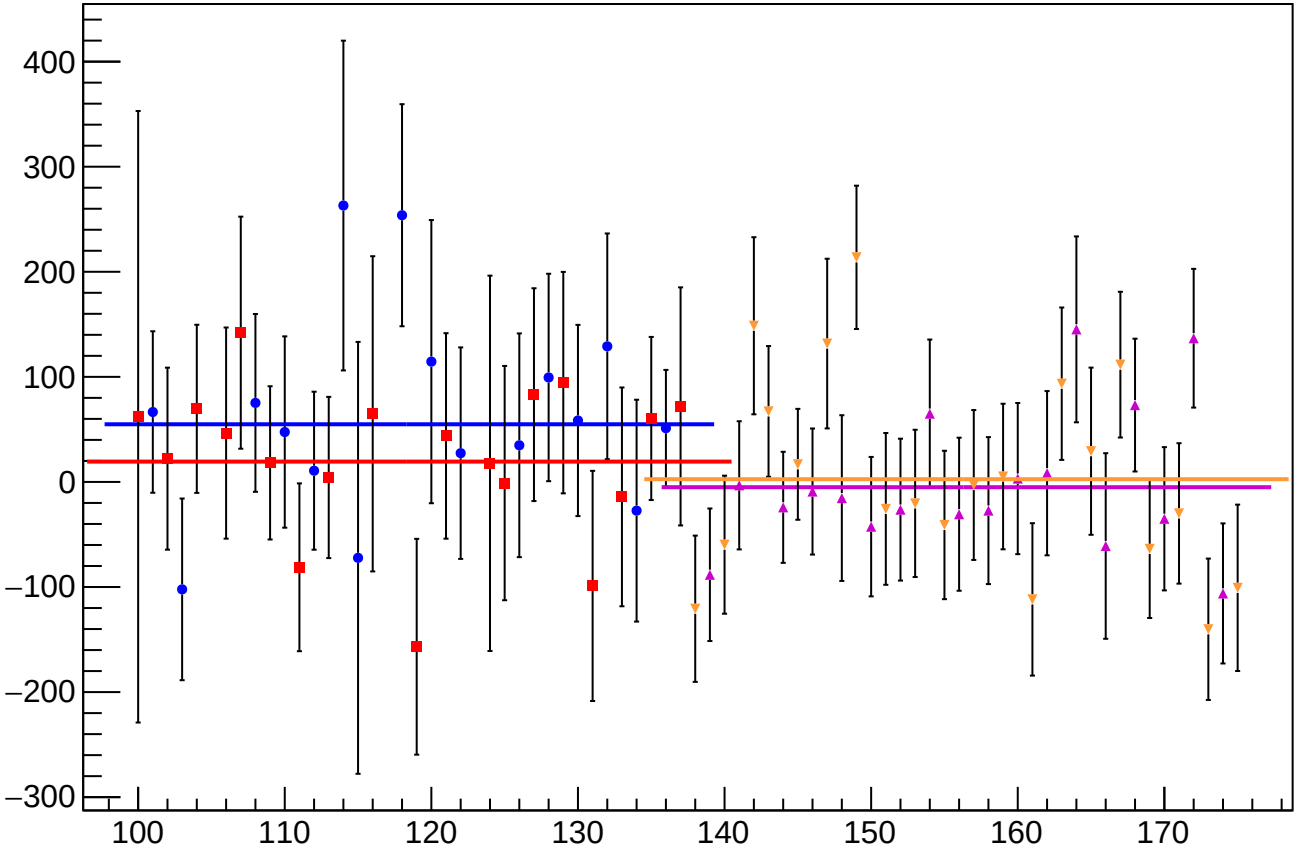
Left In: 351.782+/-0.065 χ^2/NDF:341243.8/17

+ sign 342.913+/-0.052 χ^2/NDF: 2276818.5/35

All: 340.583+/-0.037 χ^2/NDF: 4549082.8/72

- sign 338.232+/-0.052 χ^2/NDF: 2268225.1/36

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 2.600+/-15.527 χ^2/NDF:35.1/19

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

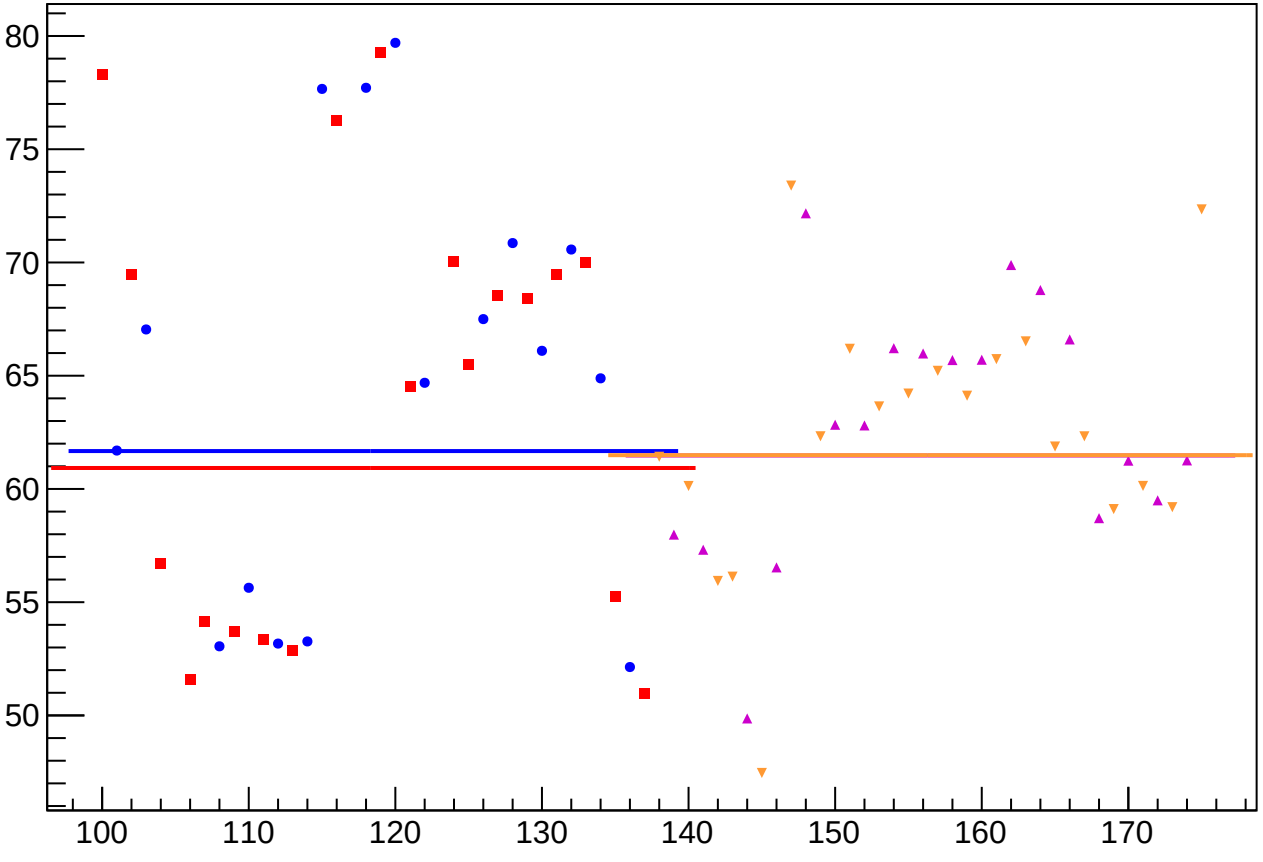
Left In: -5.014+/-16.031 χ^2/NDF:15.5/17

+ sign 18.793+/-12.900 χ^2/NDF: 49.6/35

All: 11.075+/-9.182 χ^2/NDF: 75.8/72

- sign 3.148+/-13.073 χ^2/NDF: 25.4/36

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.491+/-0.011 χ^2/NDF:291341.2/19

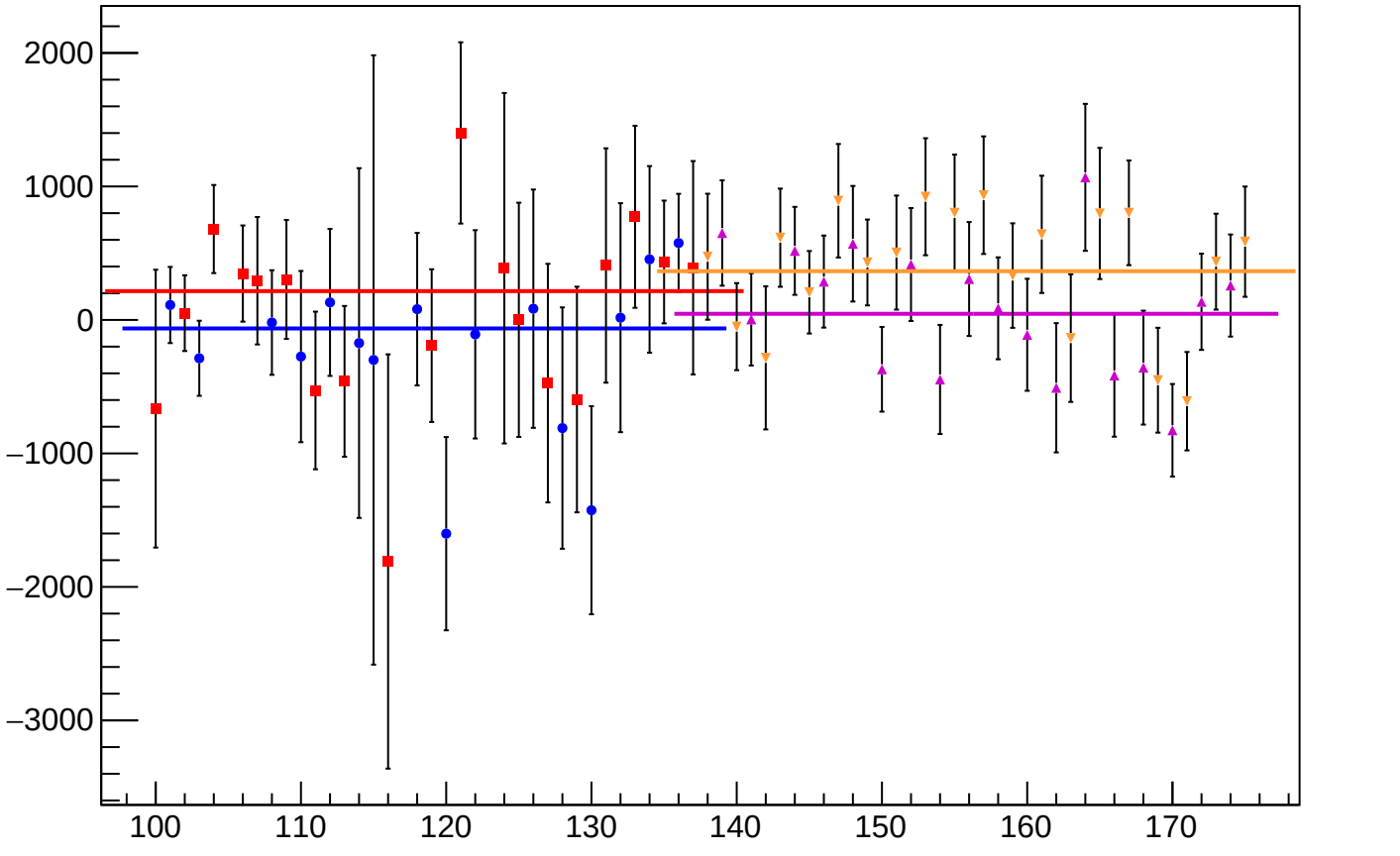
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.476+/-0.011 χ^2/NDF:244005.1/17

+ sign 61.547+/-0.009 χ^2/NDF: 558534.6/35

All: 61.421+/-0.006 χ^2/NDF: 1091296.7/72

- sign 61.292+/-0.009 χ^2/NDF: 532375.4/36



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 365.291+/-89.190 χ^2/NDF:25.0/19

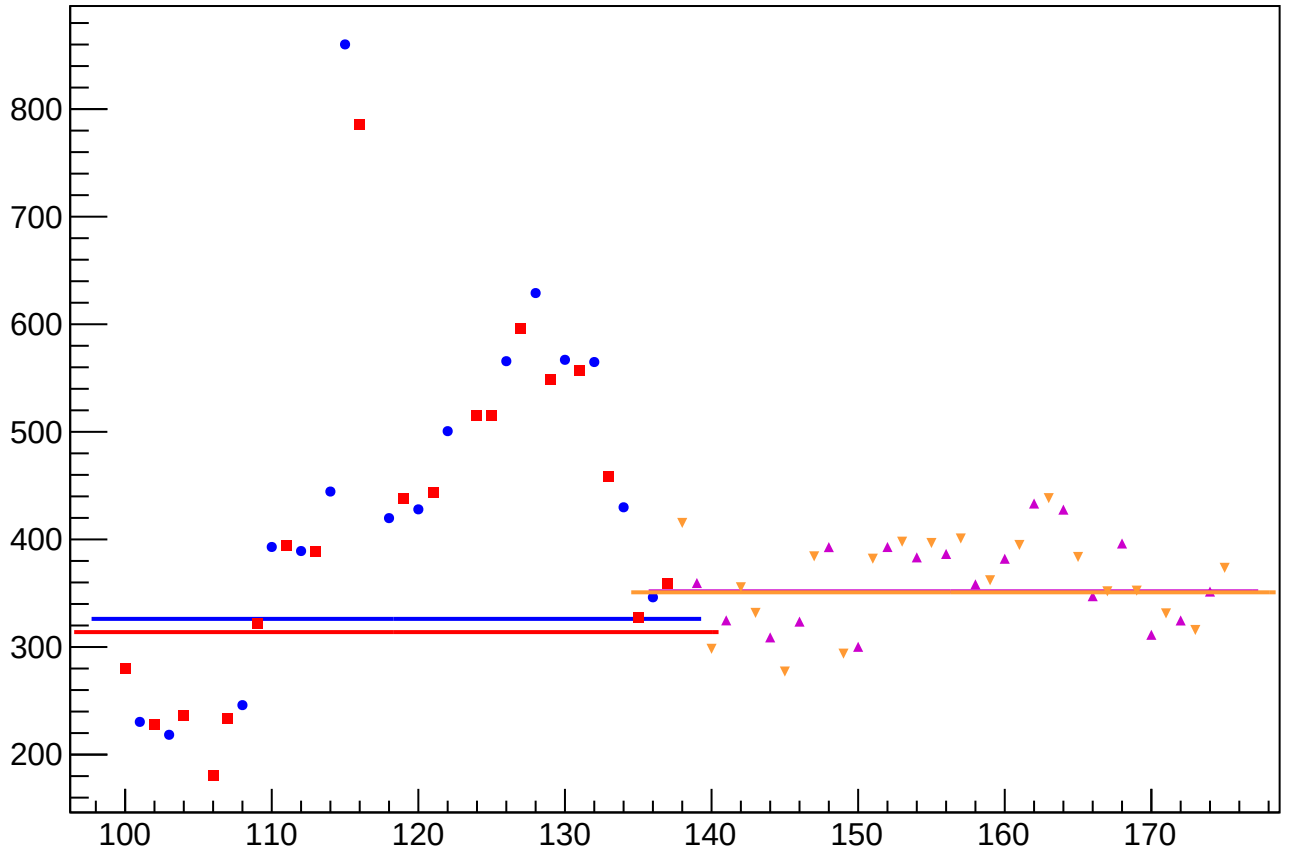
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 45.903+/-92.079 χ^2/NDF:24.2/17

+ sign 227.485+/-73.486 χ^2/NDF: 45.6/35

All: 167.339+/-52.079 χ^2/NDF: 86.5/72

- sign 106.649+/-73.818 χ^2/NDF: 39.5/36



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 350.843+/-0.063 χ^2/NDF:493654.6/19

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

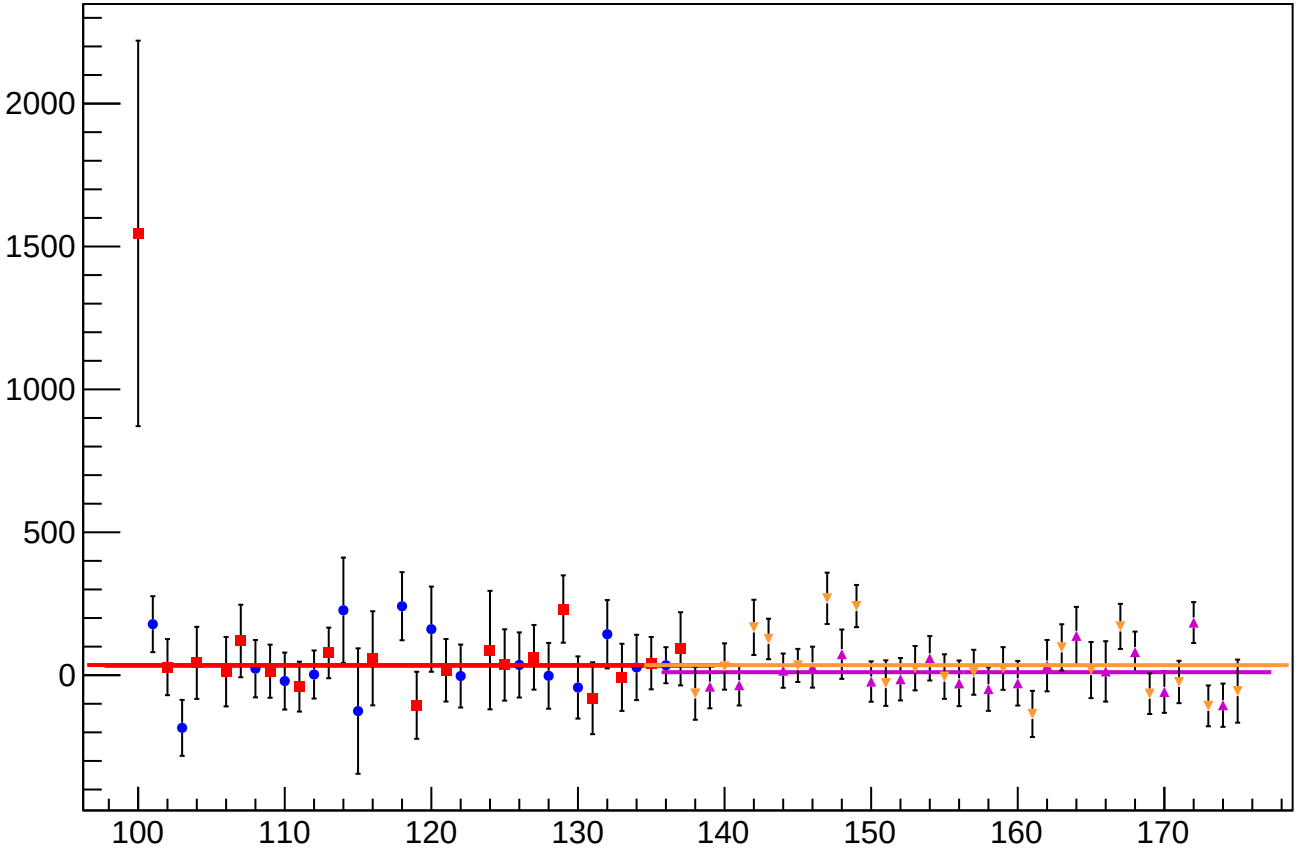
Left In: 351.782+/-0.065 χ^2/NDF:341243.8/17

+ sign 342.913+/-0.052 χ^2/NDF: 2276818.5/35

All: 340.583+/-0.037 χ^2/NDF: 4549082.8/72

- sign 338.232+/-0.052 χ^2/NDF: 2268225.1/36

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 35.129+/-17.569 χ^2/NDF:35.7/19

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

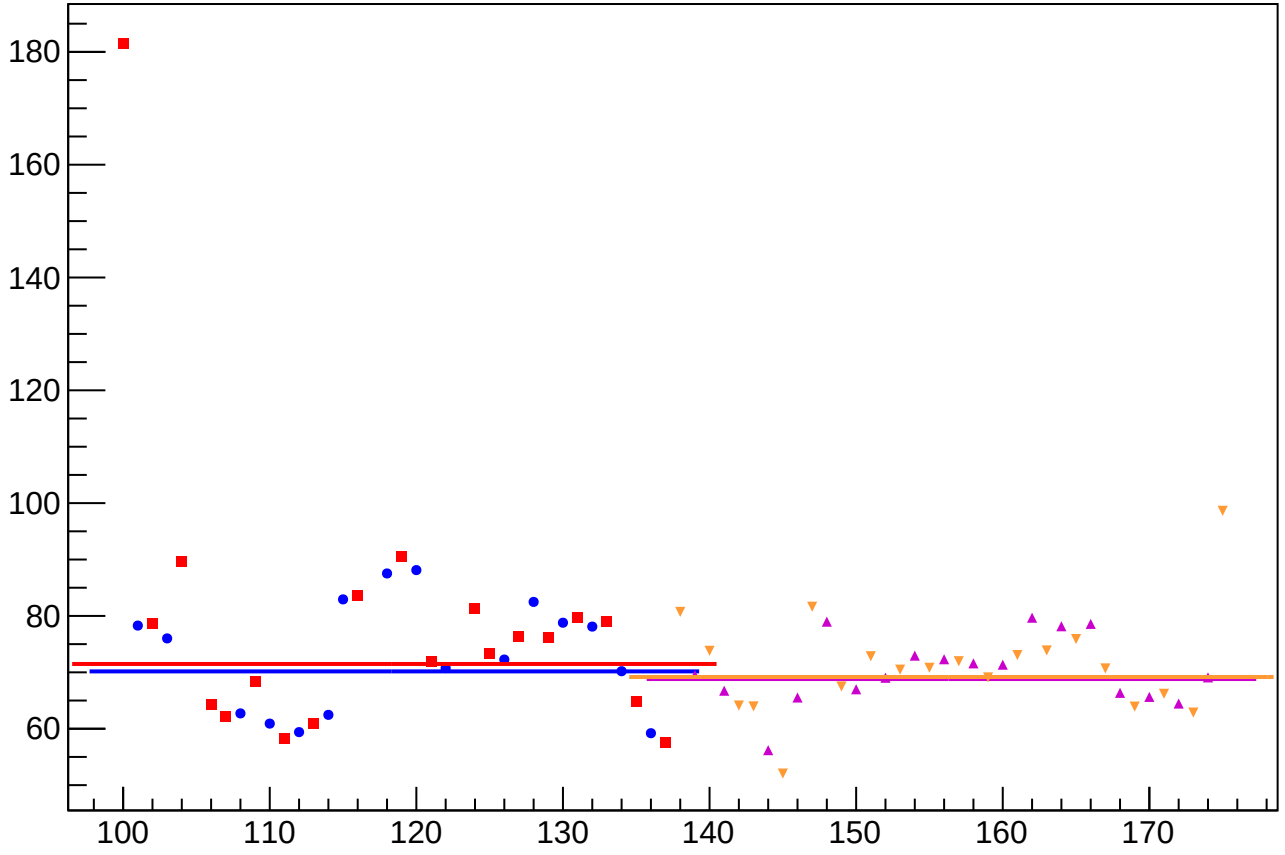
Left In: 10.546+/-18.014 χ^2/NDF:15.0/17

+ sign 34.598+/-14.629 χ^2/NDF: 50.2/35

All: 26.671+/-10.440 χ^2/NDF: 78.5/72

- sign 18.442+/-14.904 χ^2/NDF: 27.7/36

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 69.169+/-0.012 χ^2/NDF:470776.2/19

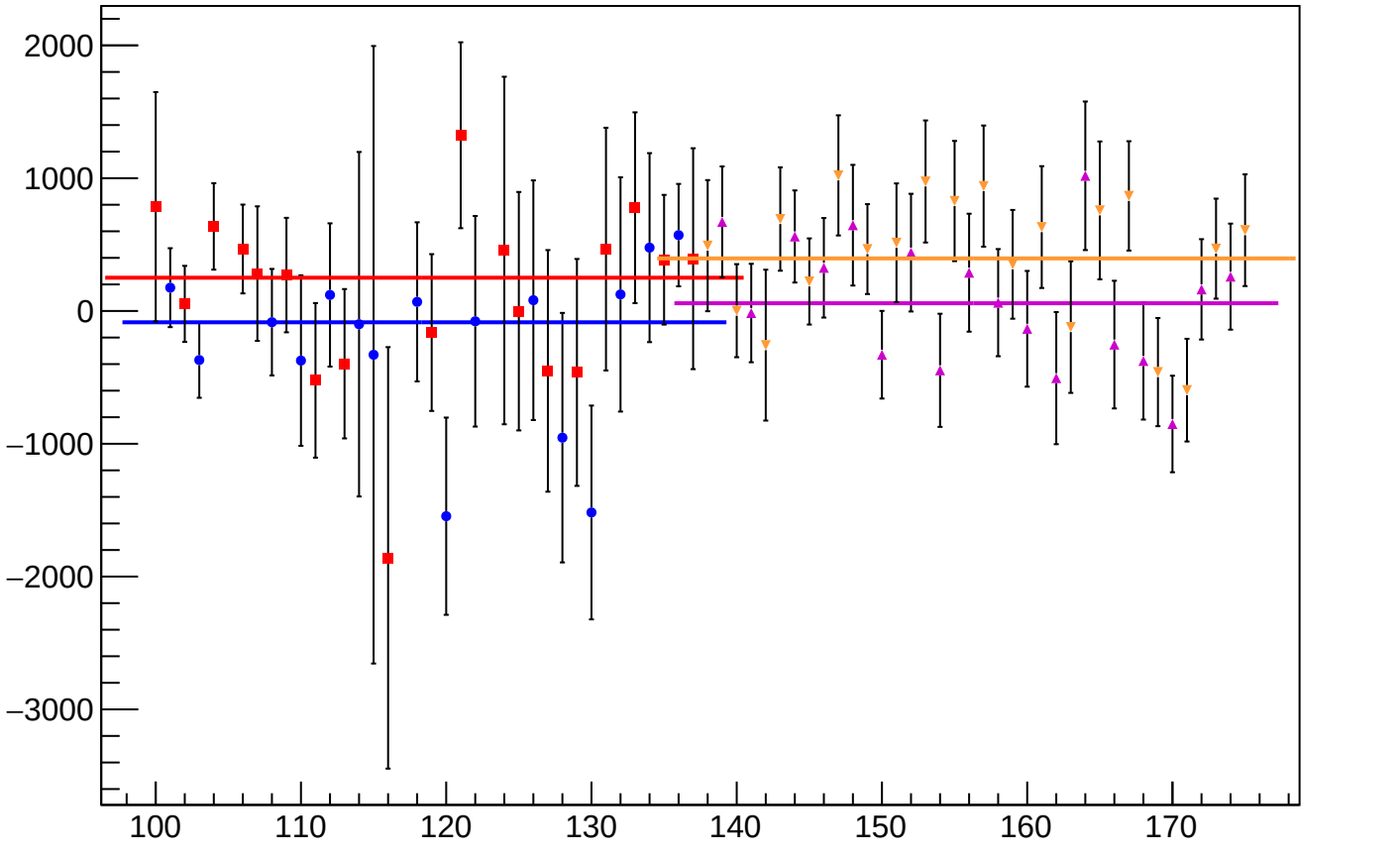
Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 68.813+/-0.013 χ^2/NDF:215200.1/17

+ sign 69.475+/-0.010 χ^2/NDF: 742006.6/35

All: 69.564+/-0.007 χ^2/NDF: 1296931.3/72

- sign 69.655+/-0.011 χ^2/NDF: 554775.9/36



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 395.868+/-93.537 χ^2/NDF:23.9/19

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

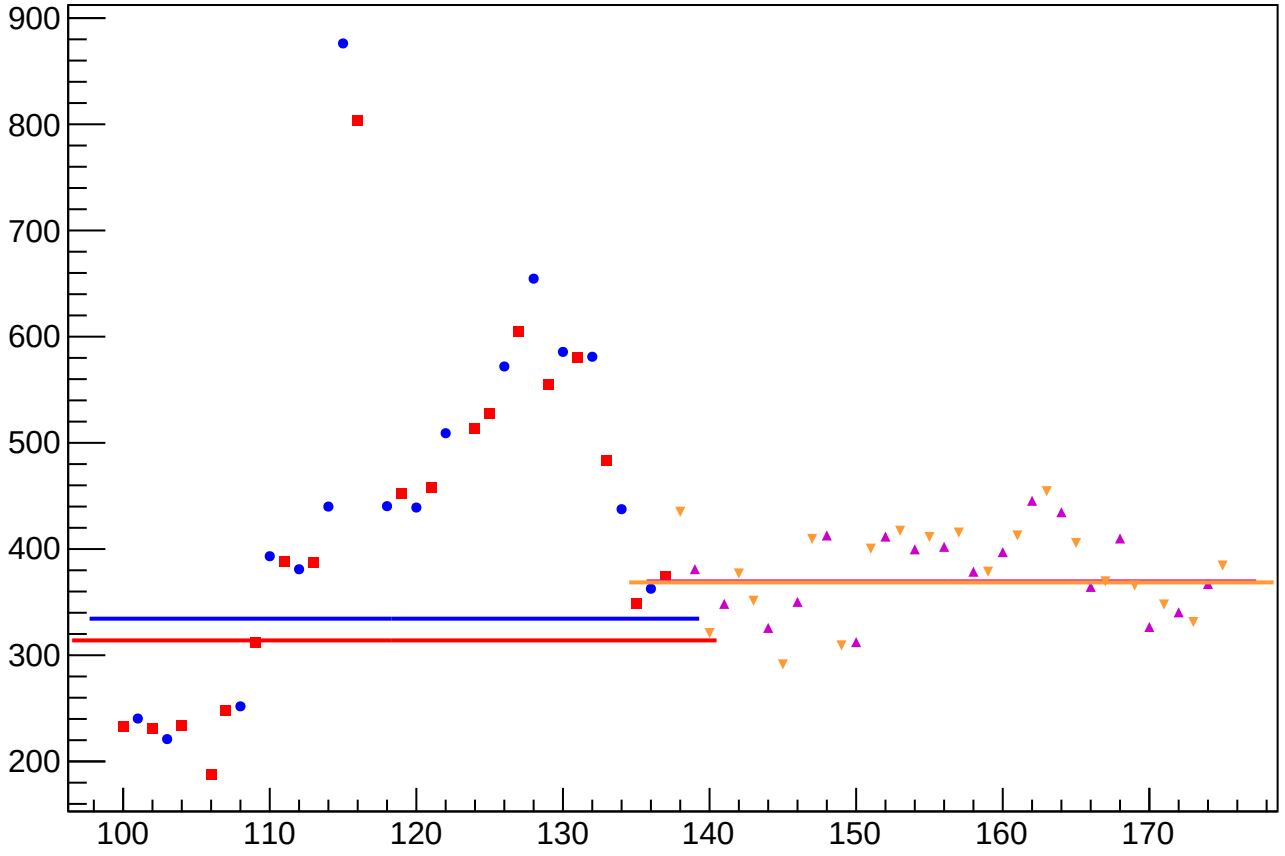
Left In: 58.197+/-96.638 χ^2/NDF:22.7/17

\+ sign 236.475+/-76.487 χ^2/NDF: 46.3/35

All: 183.619+/-53.933 χ^2/NDF: 83.9/72

\- sign 131.350+/-76.061 χ^2/NDF: 36.6/36

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 368.595+/-0.066 χ^2/NDF:458939.8/19

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

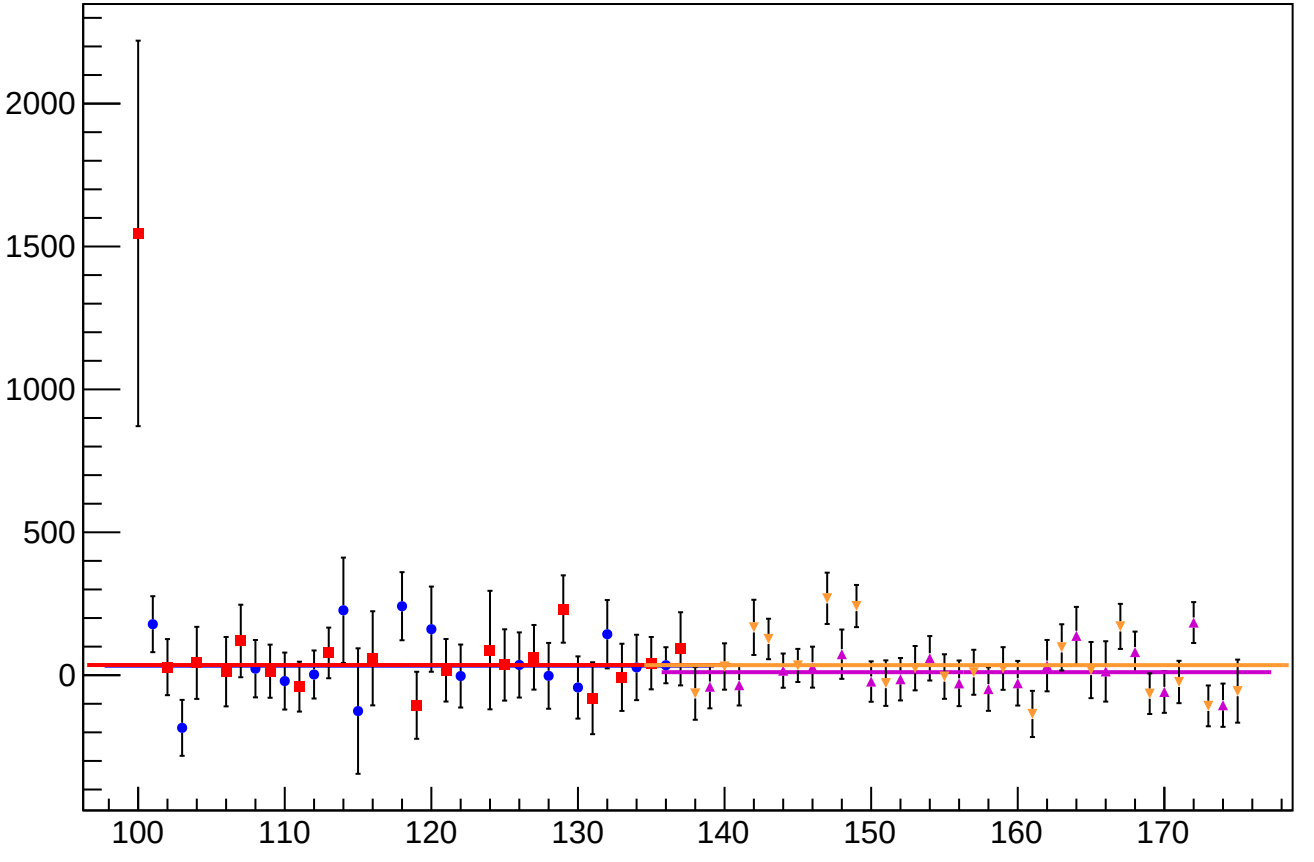
Left In: 369.542+/-0.068 χ^2/NDF:301902.1/17

+ sign 357.275+/-0.054 χ^2/NDF: 2277952.8/35

All: 352.811+/-0.038 χ^2/NDF: 4749672.2/72

- sign 348.396+/-0.054 χ^2/NDF: 2458169.5/36

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 35.128+/-17.569 χ^2/NDF:35.7/19

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

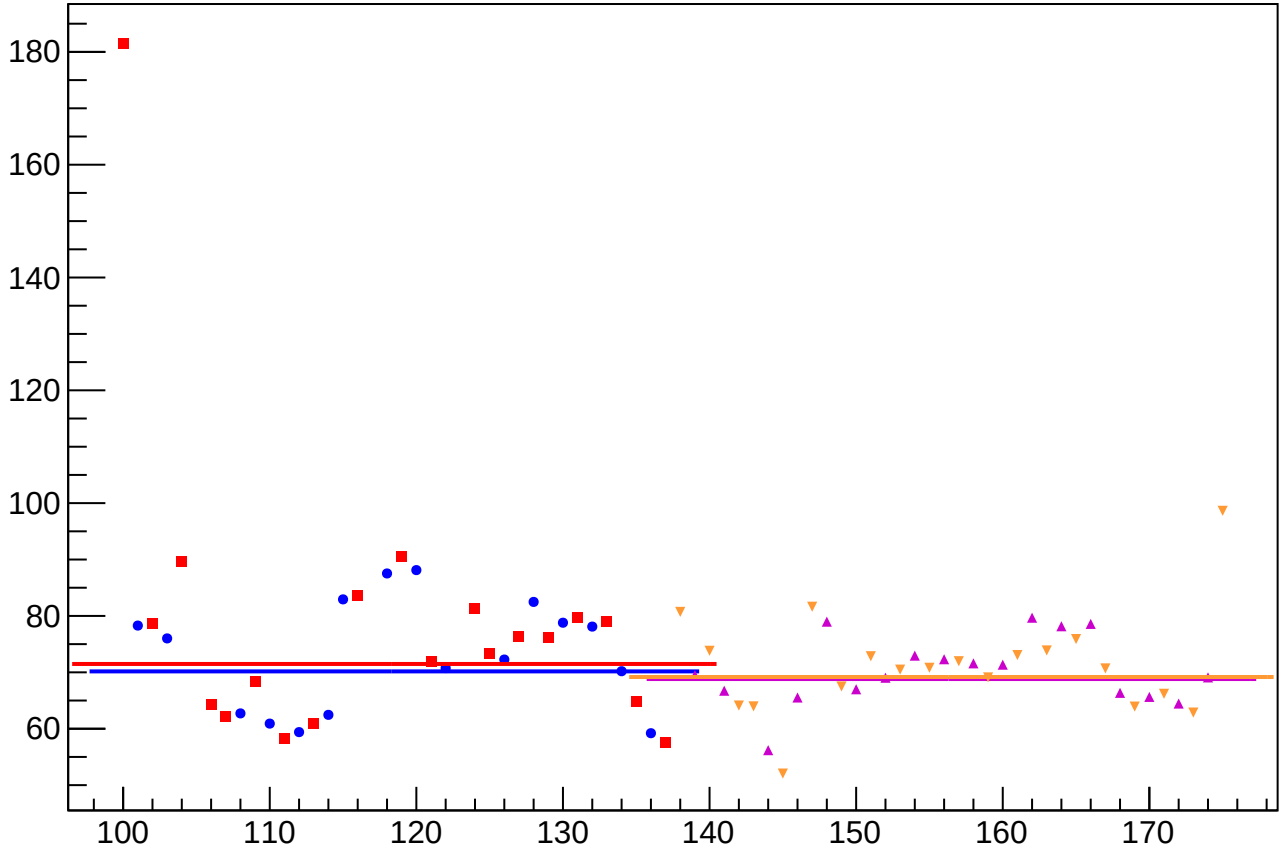
Left In: 10.546+/-18.014 χ^2/NDF:15.0/17

+ sign 34.597+/-14.629 χ^2/NDF: 50.2/35

All: 26.670+/-10.440 χ^2/NDF: 78.5/72

- sign 18.442+/-14.904 χ^2/NDF: 27.7/36

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 69.169+/-0.012 χ^2/NDF:470782.5/19

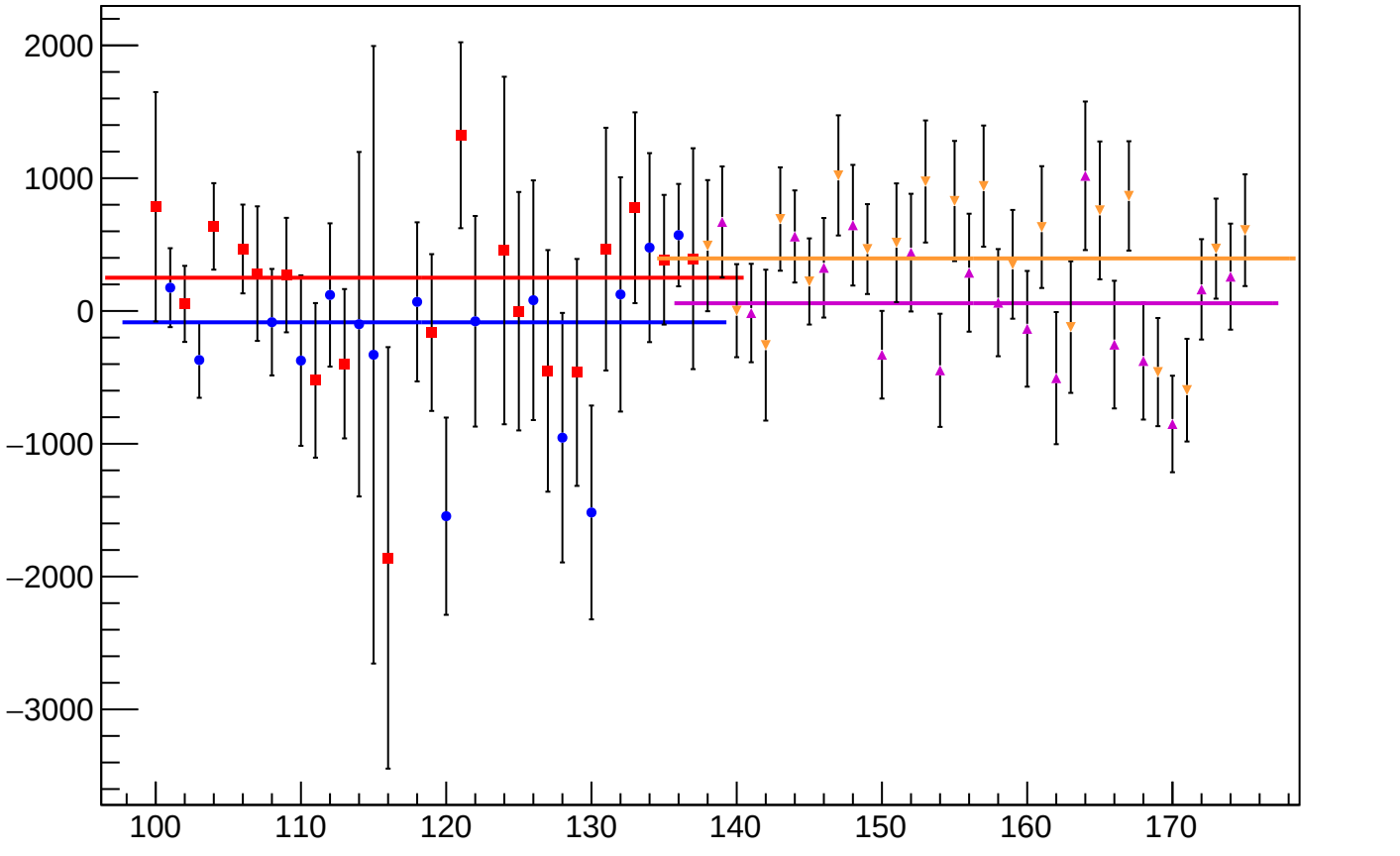
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 68.813+/-0.013 χ^2/NDF:215202.3/17

+ sign 69.475+/-0.010 χ^2/NDF: 742016.6/35

All: 69.564+/-0.007 χ^2/NDF: 1296951.2/72

- sign 69.655+/-0.011 χ^2/NDF: 554785.8/36



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 395.867+/-93.537 χ^2/NDF:23.9/19

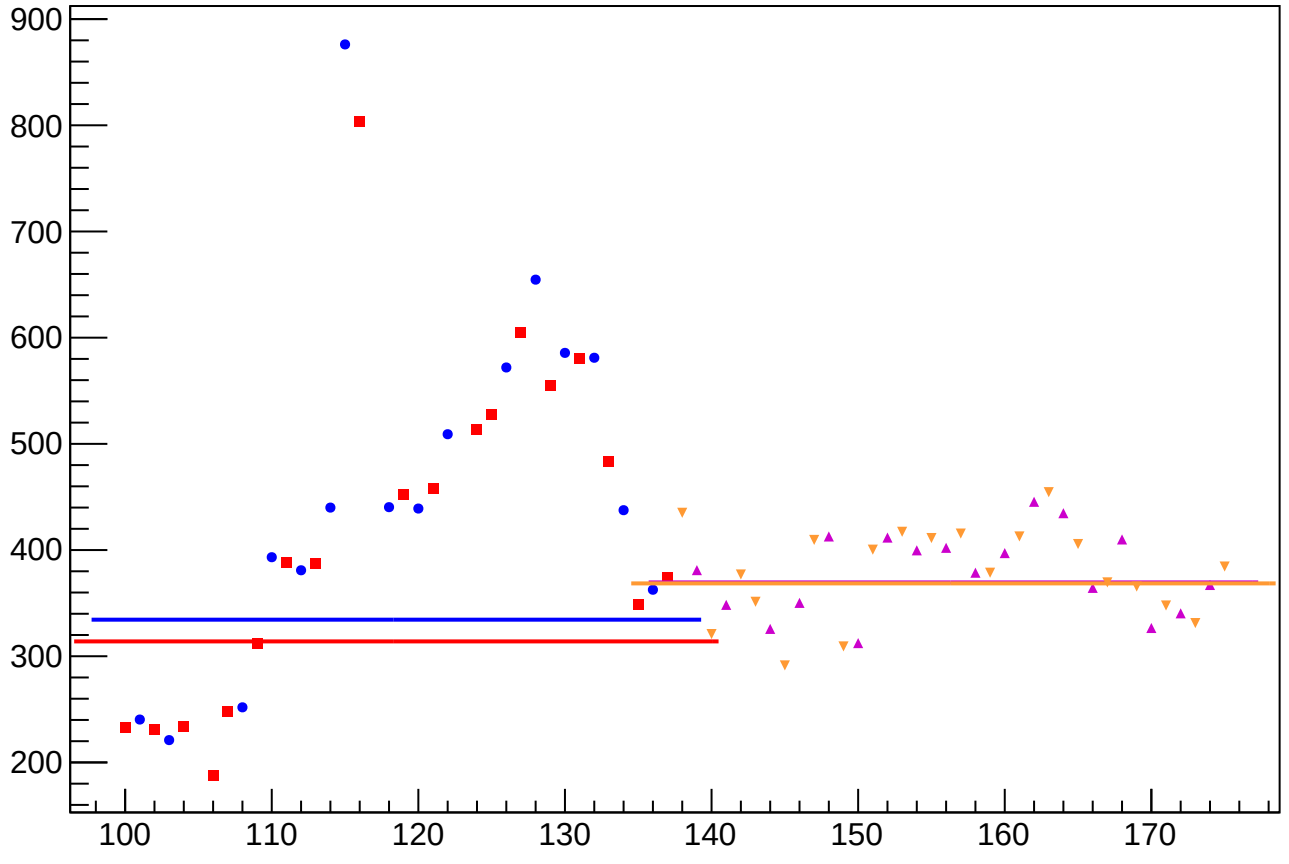
Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: 58.197+/-96.638 χ^2/NDF:22.7/17

+ sign 236.474+/-76.487 χ^2/NDF: 46.3/35

All: 183.619+/-53.933 χ^2/NDF: 83.9/72

- sign 131.350+/-76.061 χ^2/NDF: 36.6/36



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 368.594+/-0.066 χ^2/NDF:458943.5/19

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

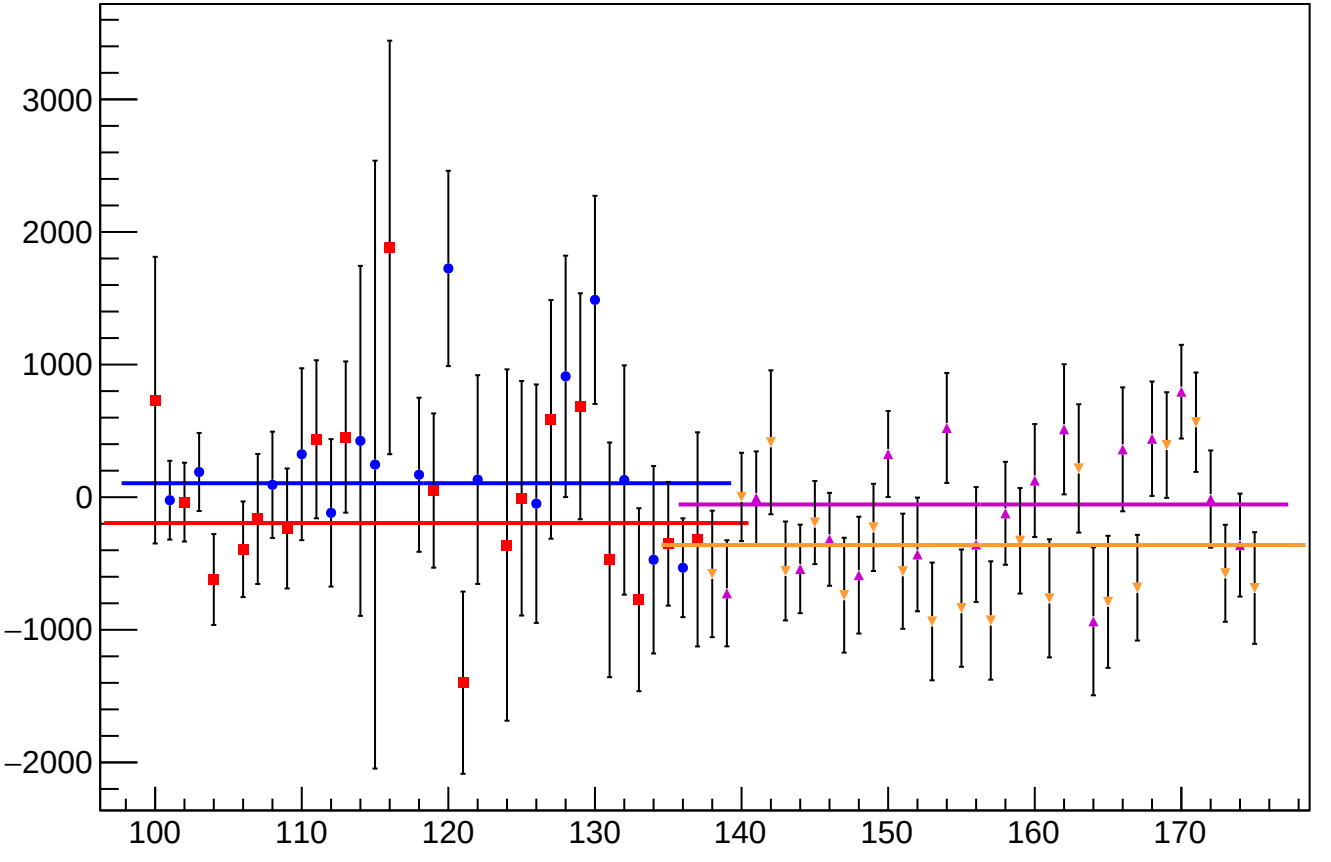
Left In: 369.542+/-0.068 χ^2/NDF:301902.5/17

+ sign 357.275+/-0.054 χ^2/NDF: 2277953.1/35

All: 352.810+/-0.038 χ^2/NDF: 4749669.8/72

- sign 348.396+/-0.054 χ^2/NDF: 2458166.7/36

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -360.430+/-90.620 χ^2/NDF:23.9/19

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

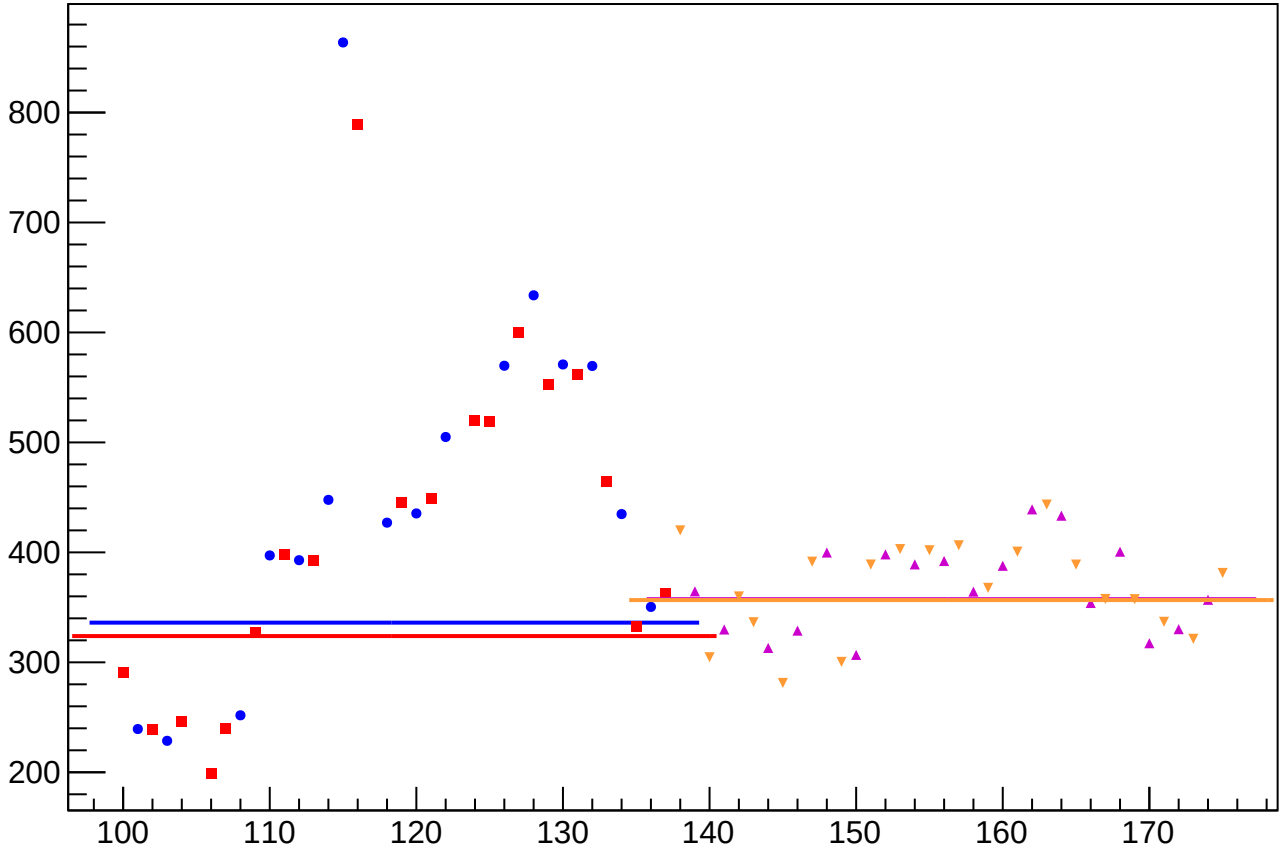
Left In: -54.778+/-93.537 χ^2/NDF:24.1/17

+ sign -212.809+/-74.897 χ^2/NDF: 45.2/35

All: -158.782+/-53.048 χ^2/NDF: 84.3/72

- sign -104.395+/-75.146 χ^2/NDF: 38.1/36

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 356.628+/-0.064 χ^2/NDF:480797.5/19

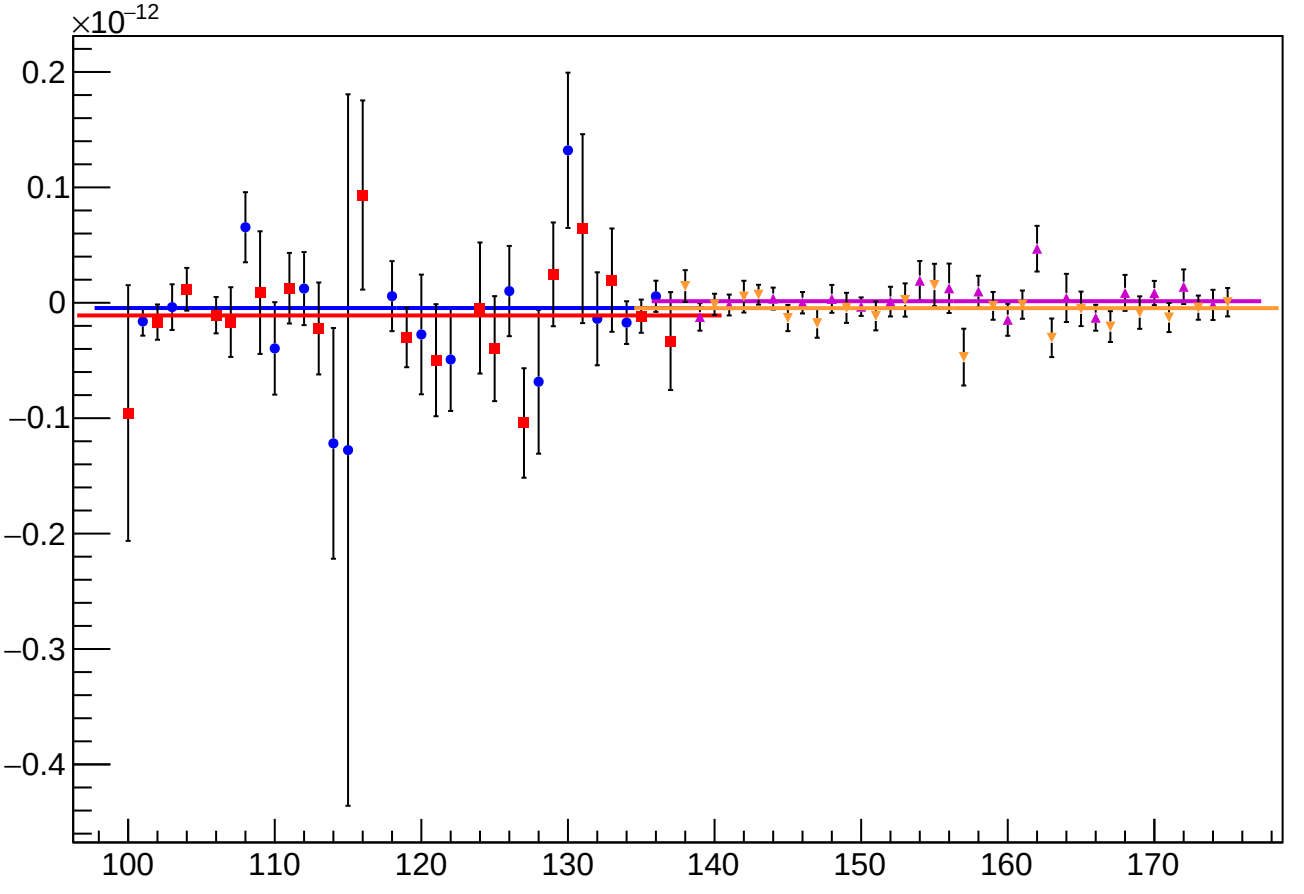
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 357.460+/-0.066 χ^2/NDF:331754.5/17

+ sign 350.120+/-0.053 χ^2/NDF: 2132343.9/35

All: 347.845+/-0.038 χ^2/NDF: 4224586.7/72

- sign 345.555+/-0.053 χ^2/NDF: 2088540.2/36



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/19

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

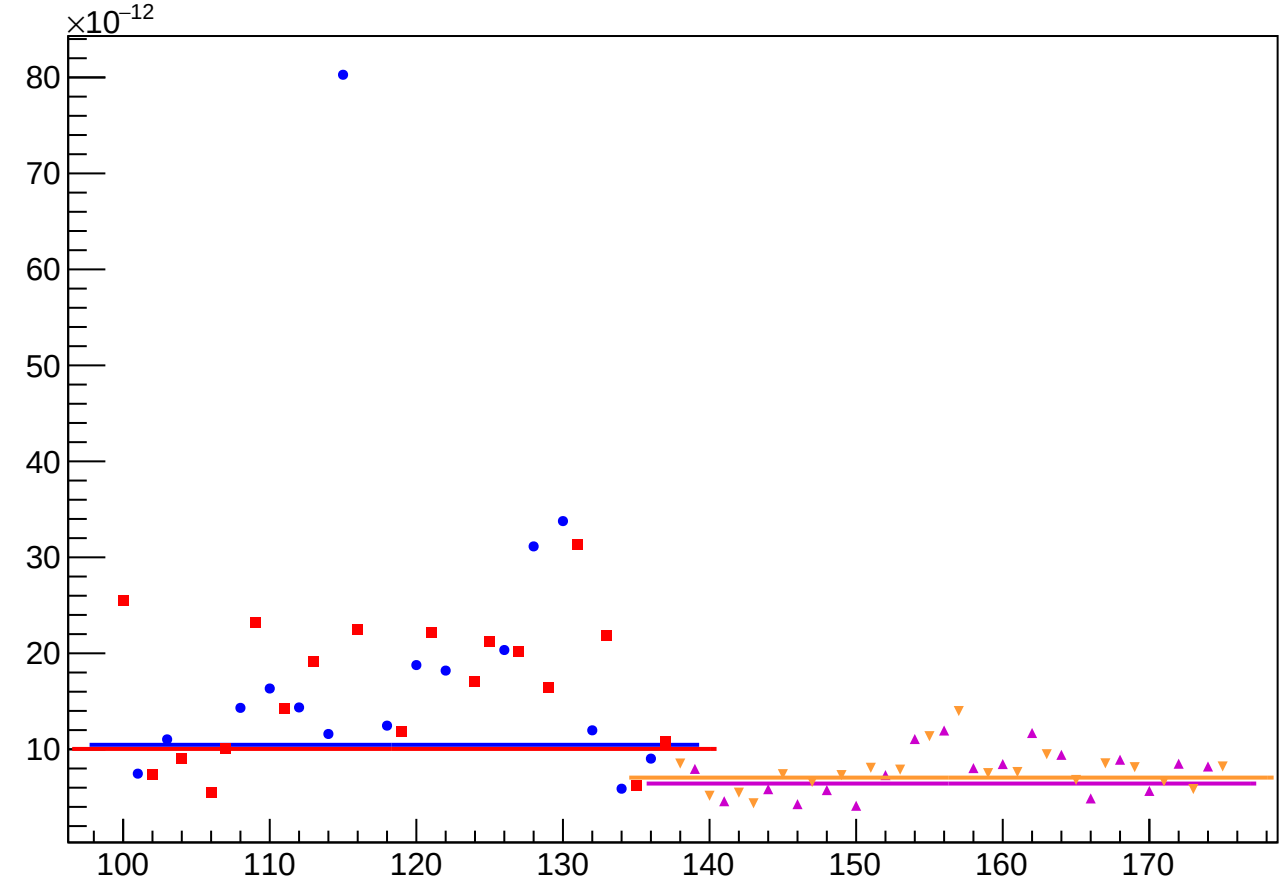
Left In: 0.000+/-0.000 χ^2/NDF:13.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 31.8/35

All: -0.000+/-0.000 χ^2/NDF: 61.8/72

- sign -0.000+/-0.000 χ^2/NDF: 28.8/36

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:753841.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

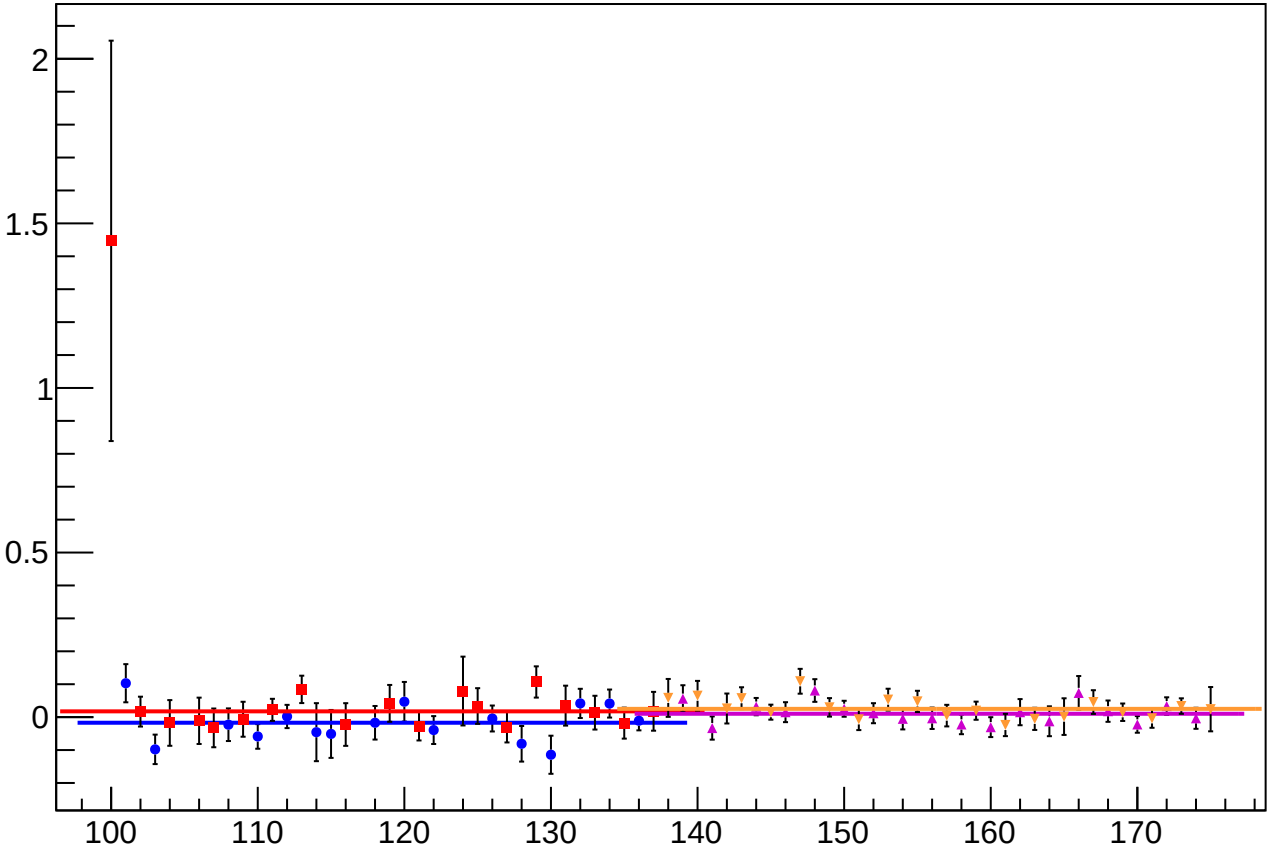
Left In: 0.000+/-0.000 χ^2/NDF:1122366.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 2409216.1/35

All: 0.000+/-0.000 χ^2/NDF: 5524300.2/72

- sign 0.000+/-0.000 χ^2/NDF: 3066387.3/36

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/19

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

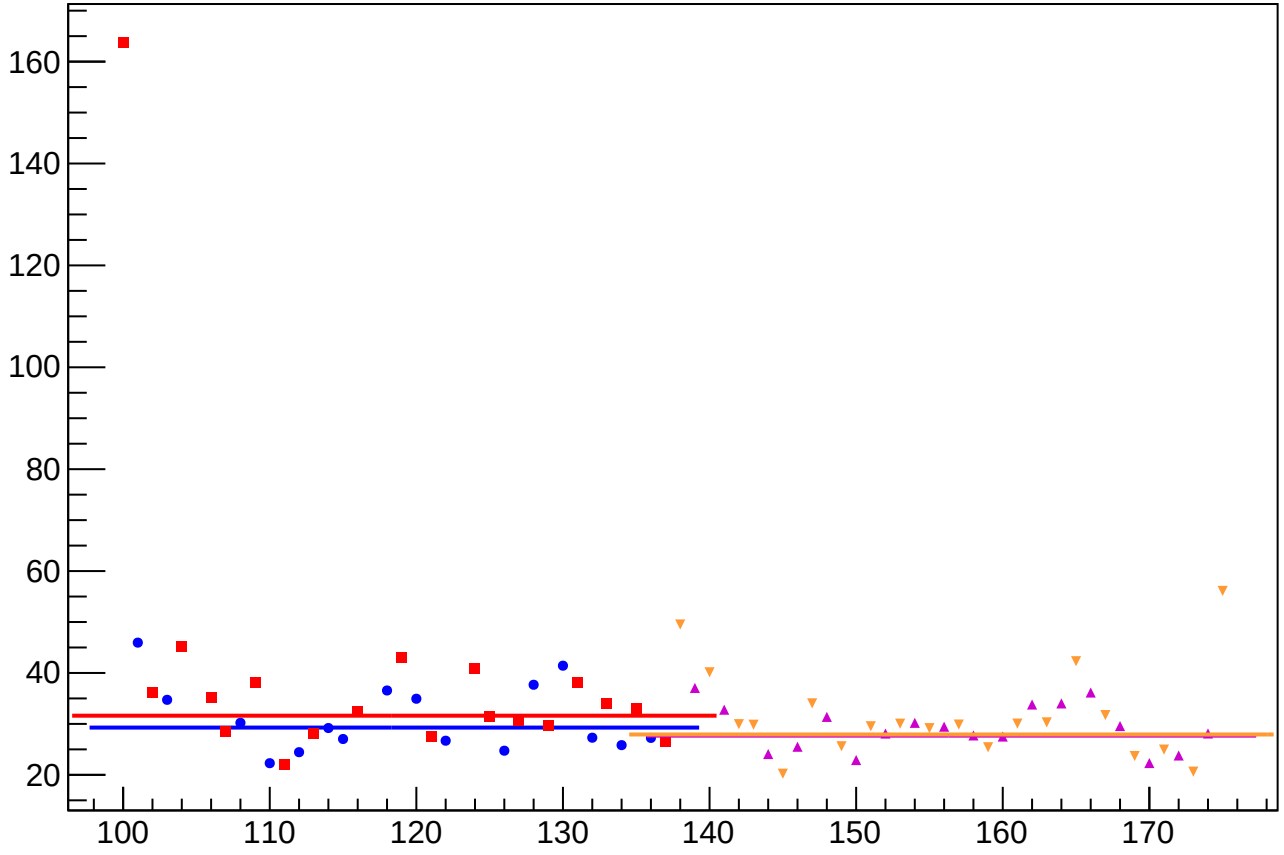
Left In: 0.010+/-0.007 χ^2/NDF:15.9/17

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/35

All: 0.012+/-0.004 χ^2/NDF: 76.1/72

- sign 0.012+/-0.006 χ^2/NDF: 33.0/36

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 27.923+/-0.005 χ^2/NDF:1561110.7/19

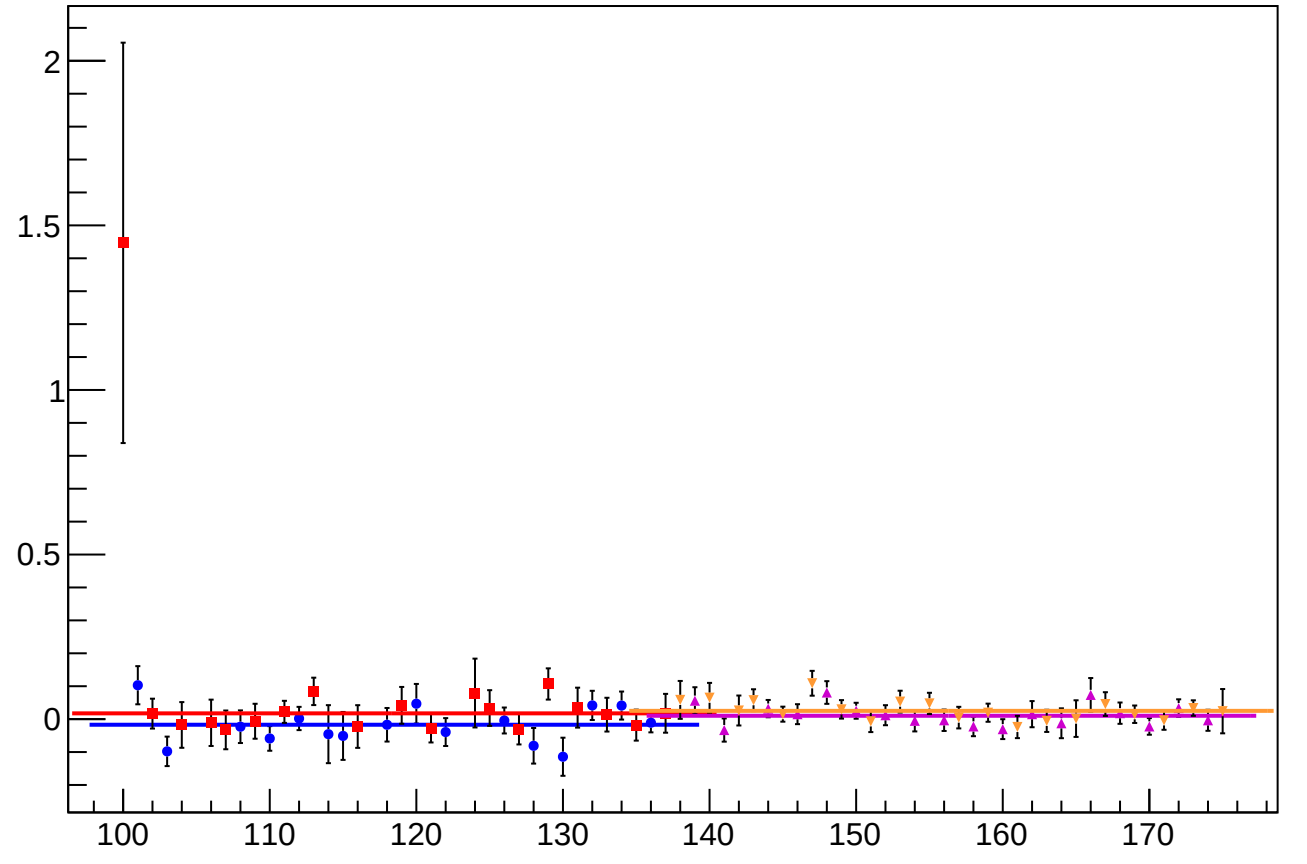
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.695+/-0.005 χ^2/NDF:595016.1/17

+ sign 28.322+/-0.004 χ^2/NDF: 2141911.4/35

All: 28.539+/-0.003 χ^2/NDF: 3466528.6/72

- sign 28.768+/-0.004 χ^2/NDF: 1319502.6/36



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/19

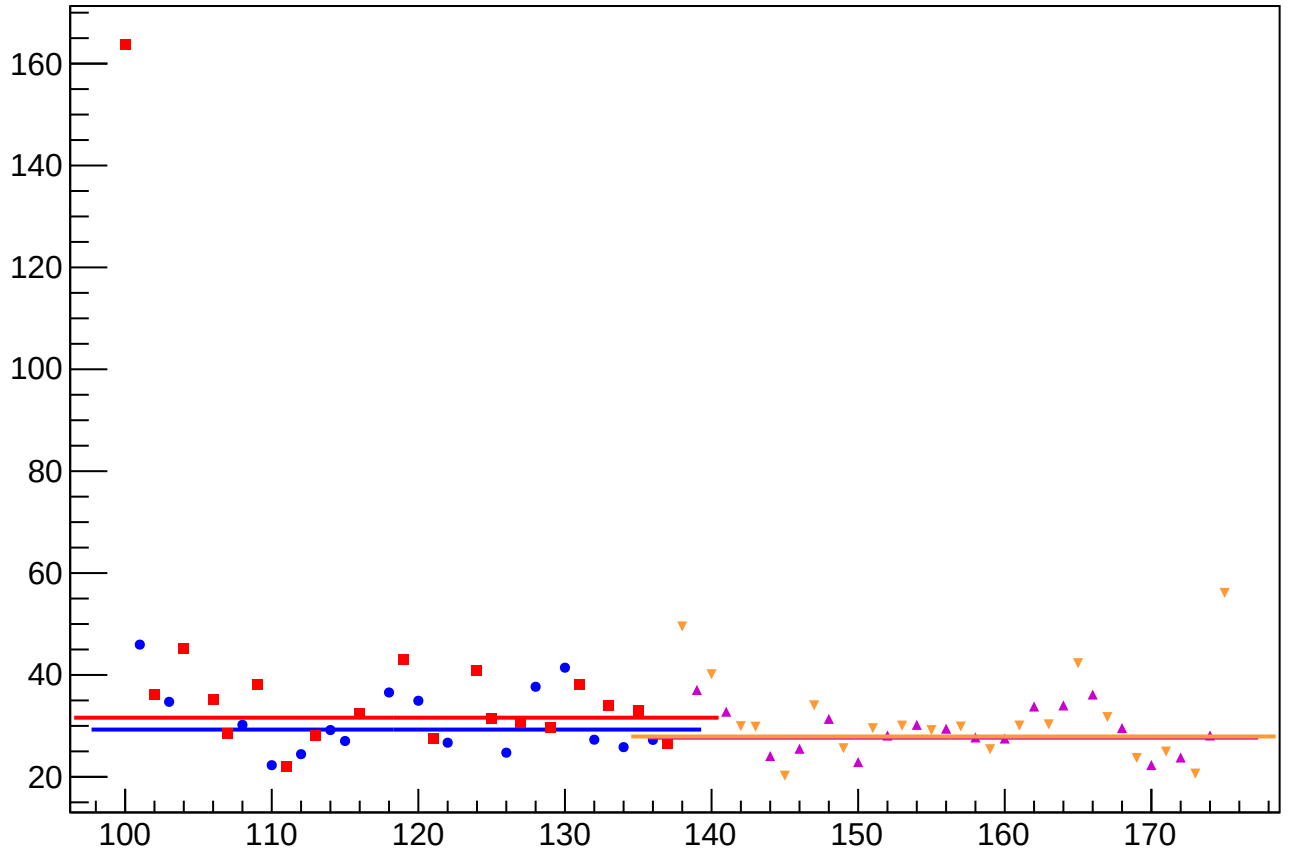
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.010+/-0.007 χ^2/NDF:15.9/17

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/35

All: 0.012+/-0.004 χ^2/NDF: 76.1/72

- sign 0.012+/-0.006 χ^2/NDF: 33.0/36



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 27.923+/-0.005 χ^2/NDF:1561110.7/19

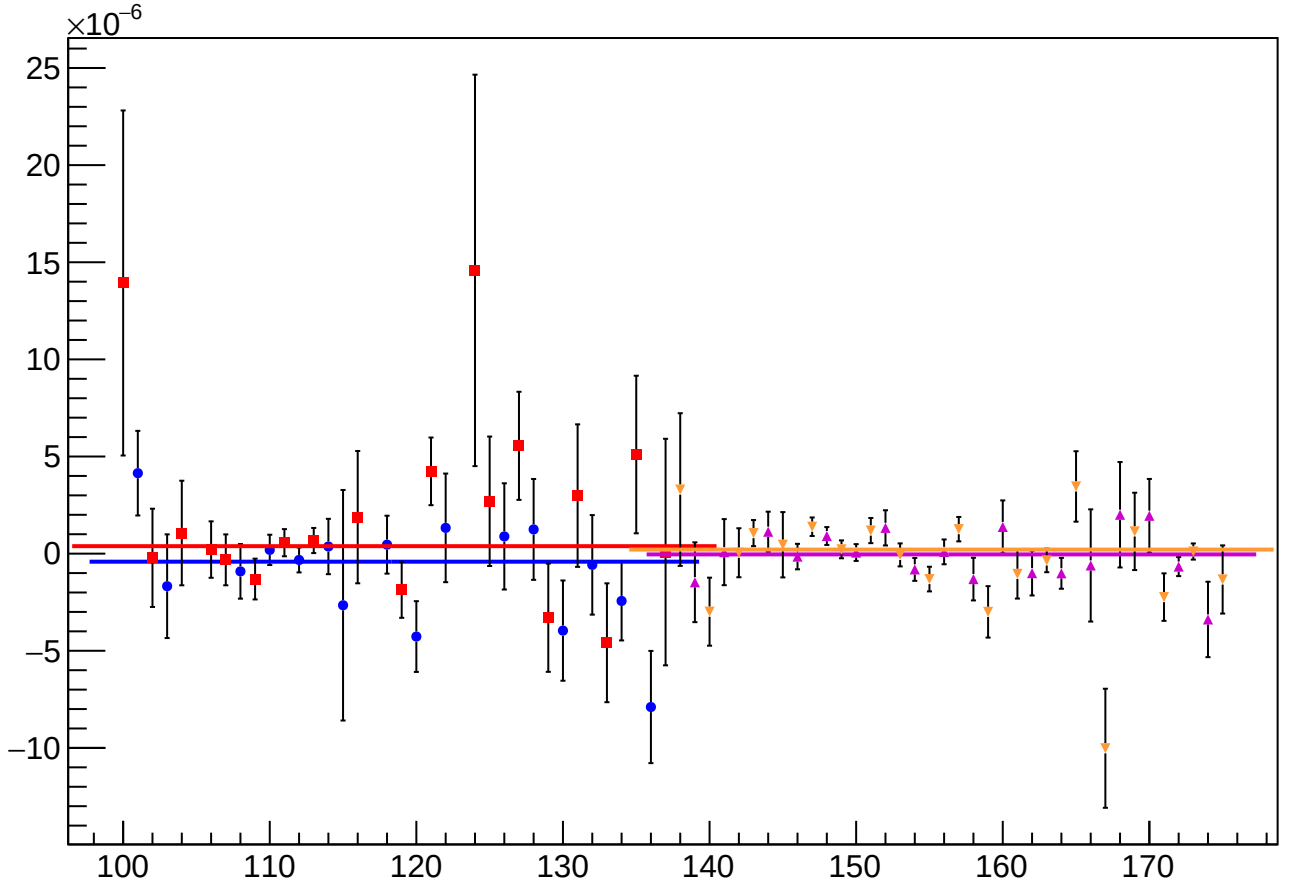
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.695+/-0.005 χ^2/NDF:595016.1/17

+ sign 28.322+/-0.004 χ^2/NDF: 2141911.4/35

All: 28.539+/-0.003 χ^2/NDF: 3466528.6/72

- sign 28.768+/-0.004 χ^2/NDF: 1319502.6/36



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.8/19

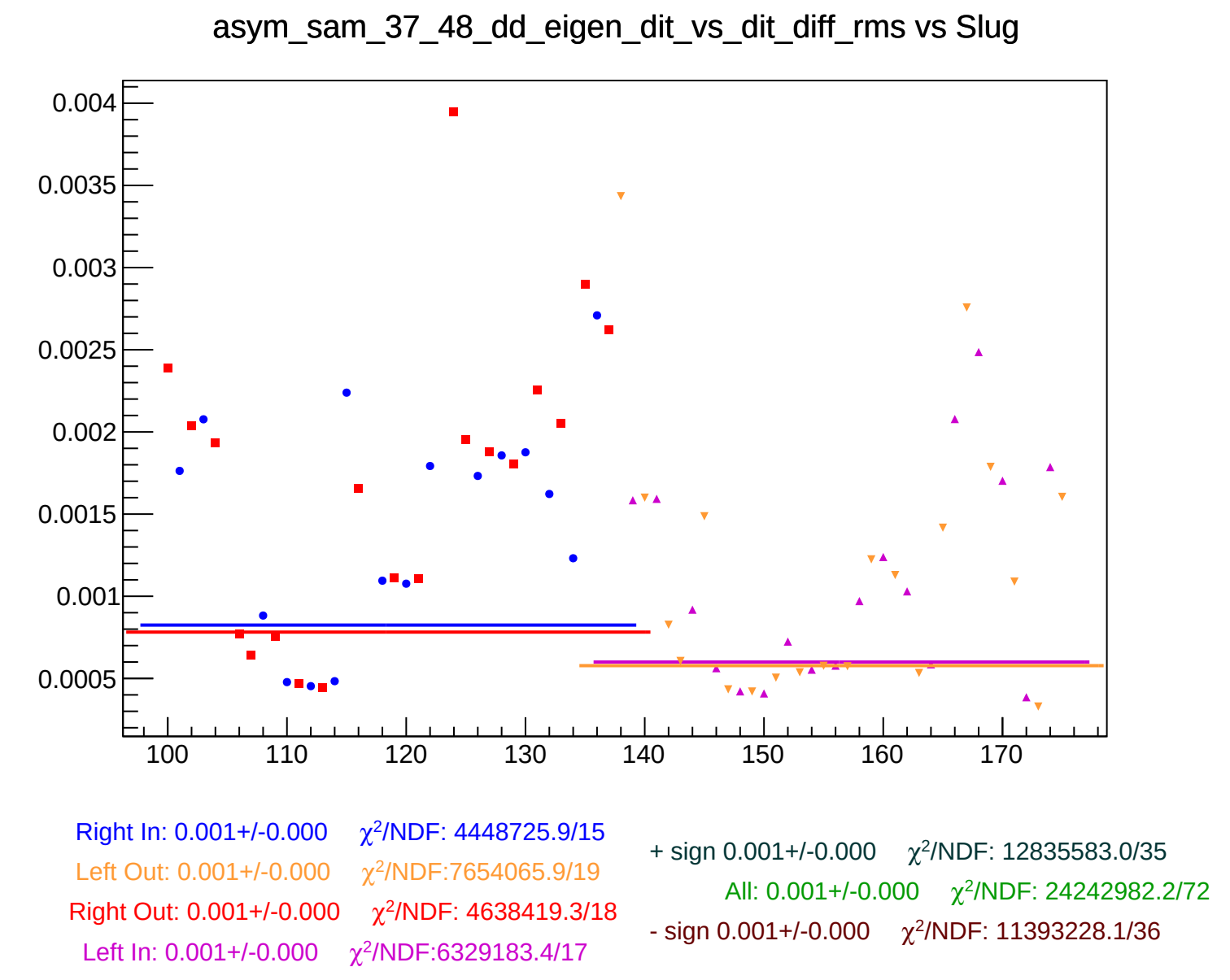
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

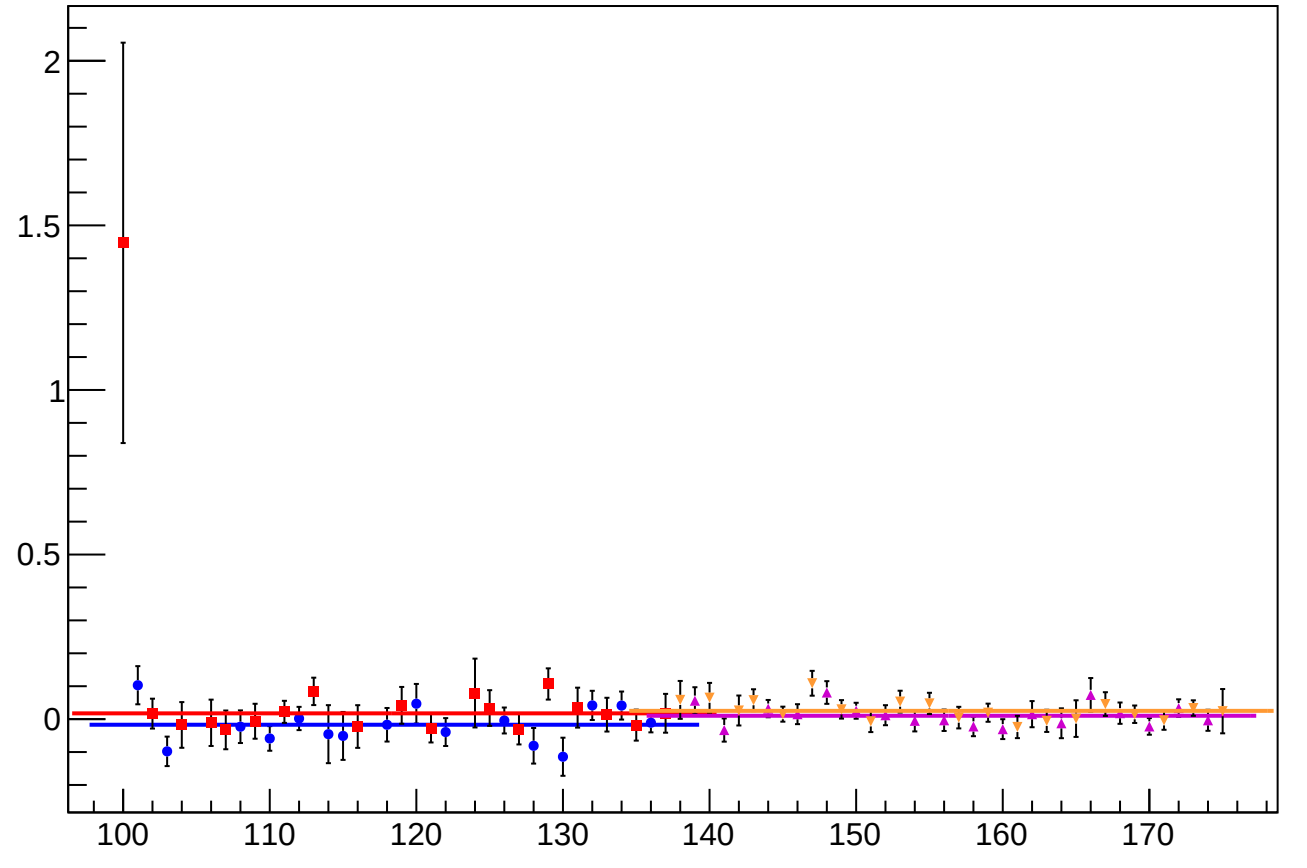
Left In: -0.000+/-0.000 χ^2/NDF:21.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 73.3/35

All: 0.000+/-0.000 χ^2/NDF: 120.9/72

- sign 0.000+/-0.000 χ^2/NDF: 47.5/36


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:7654065.9/19
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:6329183.4/17
+ sign 0.001+/-0.000 χ²/NDF: 12835583.0/35
All: 0.001+/-0.000 χ²/NDF: 24242982.2/72
- sign 0.001+/-0.000 χ²/NDF: 11393228.1/36



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/19

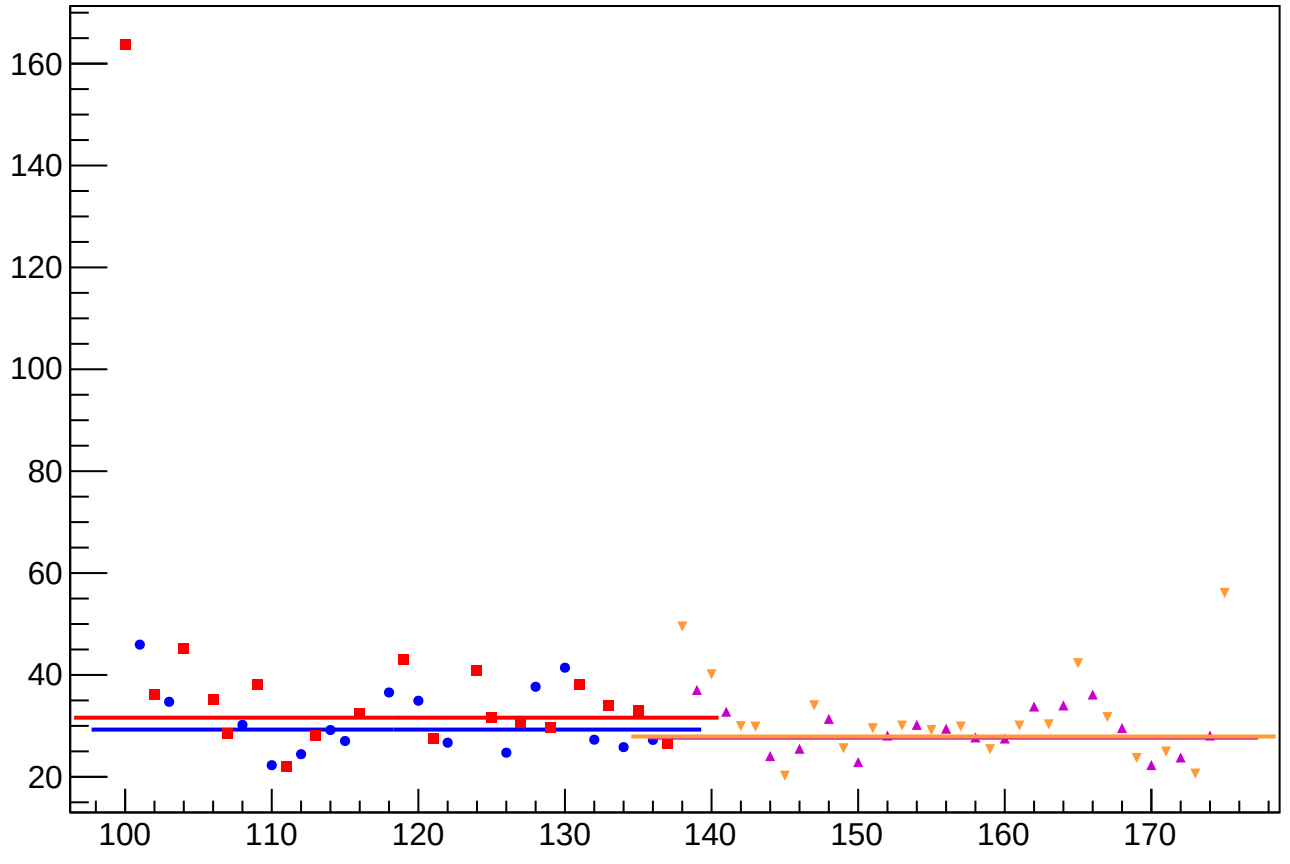
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.010+/-0.007 χ^2/NDF:15.9/17

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/35

All: 0.012+/-0.004 χ^2/NDF: 76.1/72

- sign 0.012+/-0.006 χ^2/NDF: 33.0/36



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 27.923+/-0.005 χ^2/NDF:1561167.6/19

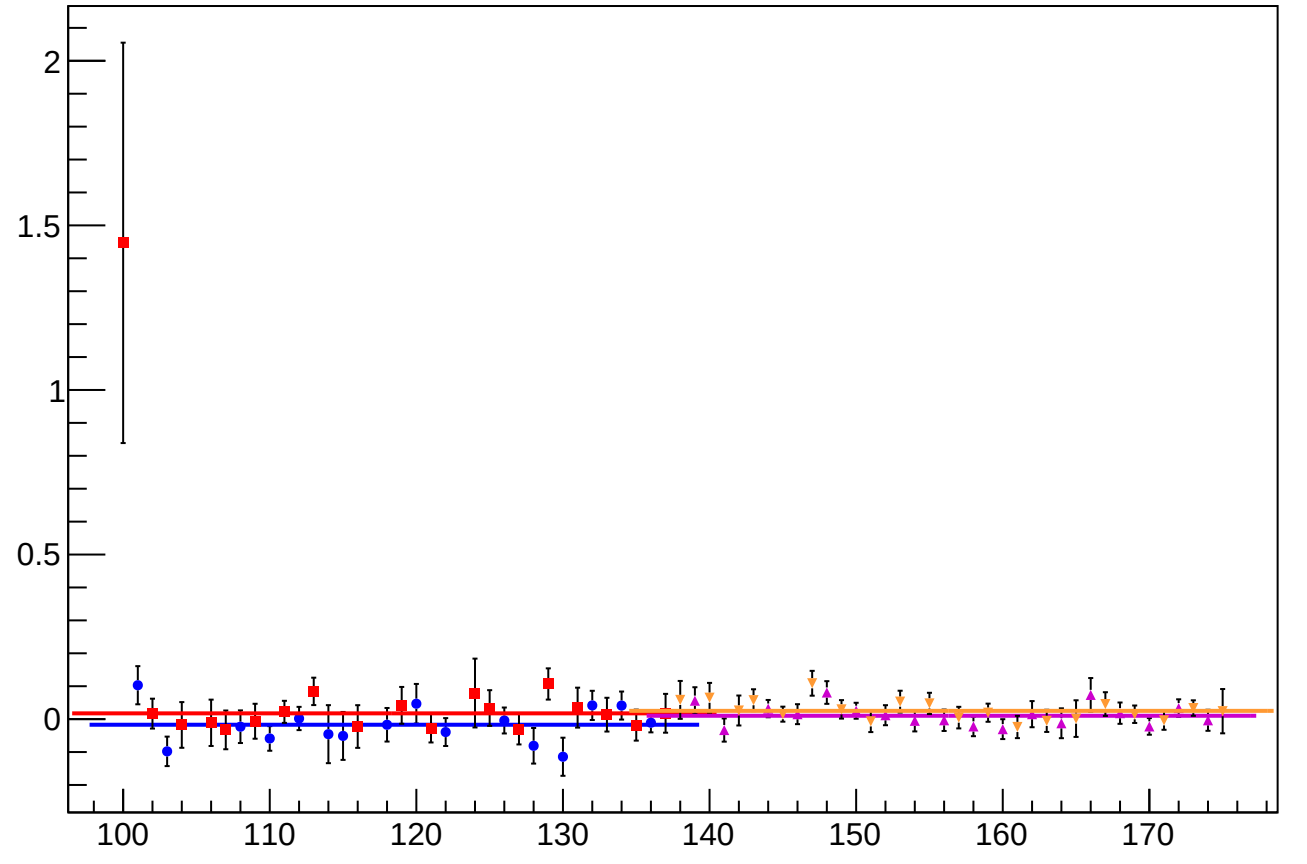
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.694+/-0.005 χ^2/NDF:595003.4/17

+ sign 28.322+/-0.004 χ^2/NDF: 2141977.5/35

All: 28.538+/-0.003 χ^2/NDF: 3466612.5/72

- sign 28.768+/-0.004 χ^2/NDF: 1319519.5/36



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/19

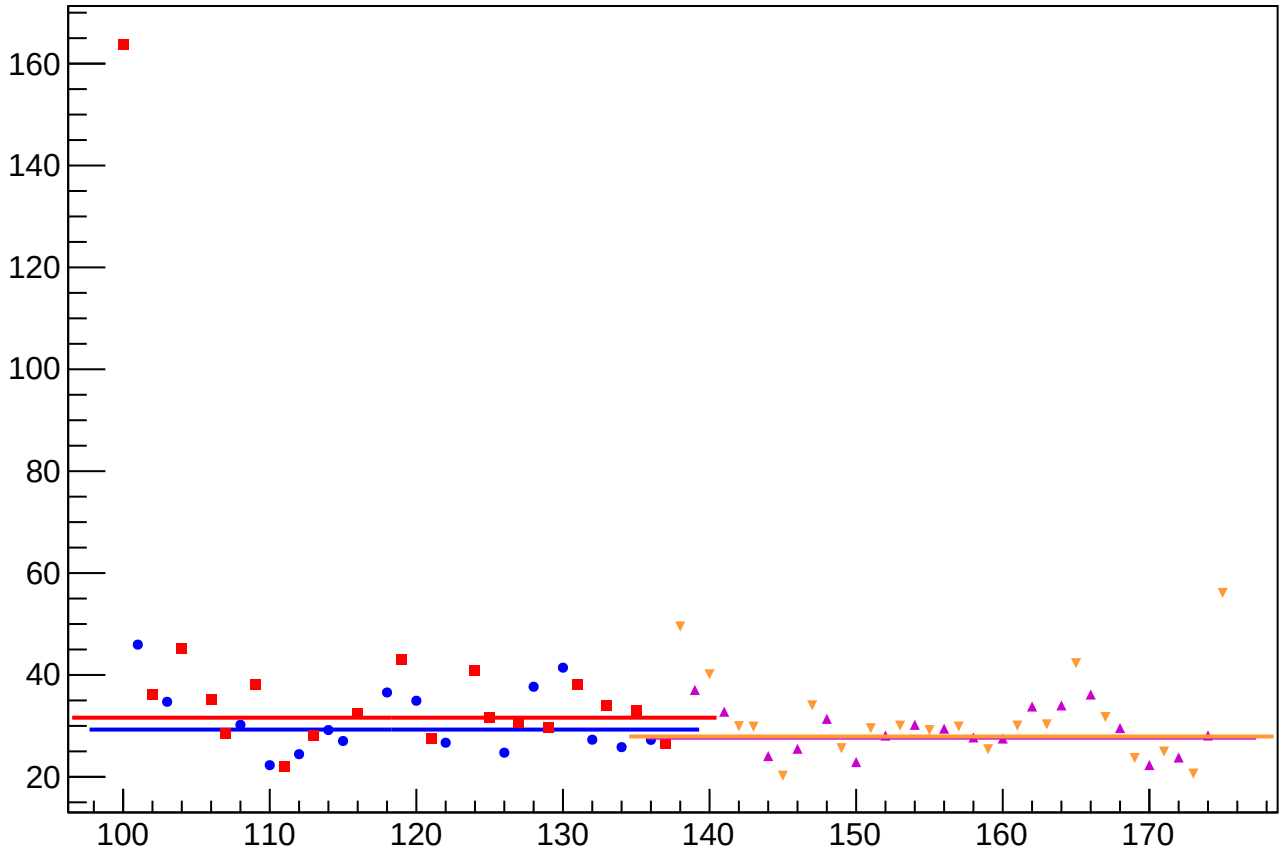
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.010+/-0.007 χ^2/NDF:15.9/17

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/35

All: 0.012+/-0.004 χ^2/NDF: 76.1/72

- sign 0.012+/-0.006 χ^2/NDF: 33.0/36



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 27.923+/-0.005 χ^2/NDF:1561167.6/19

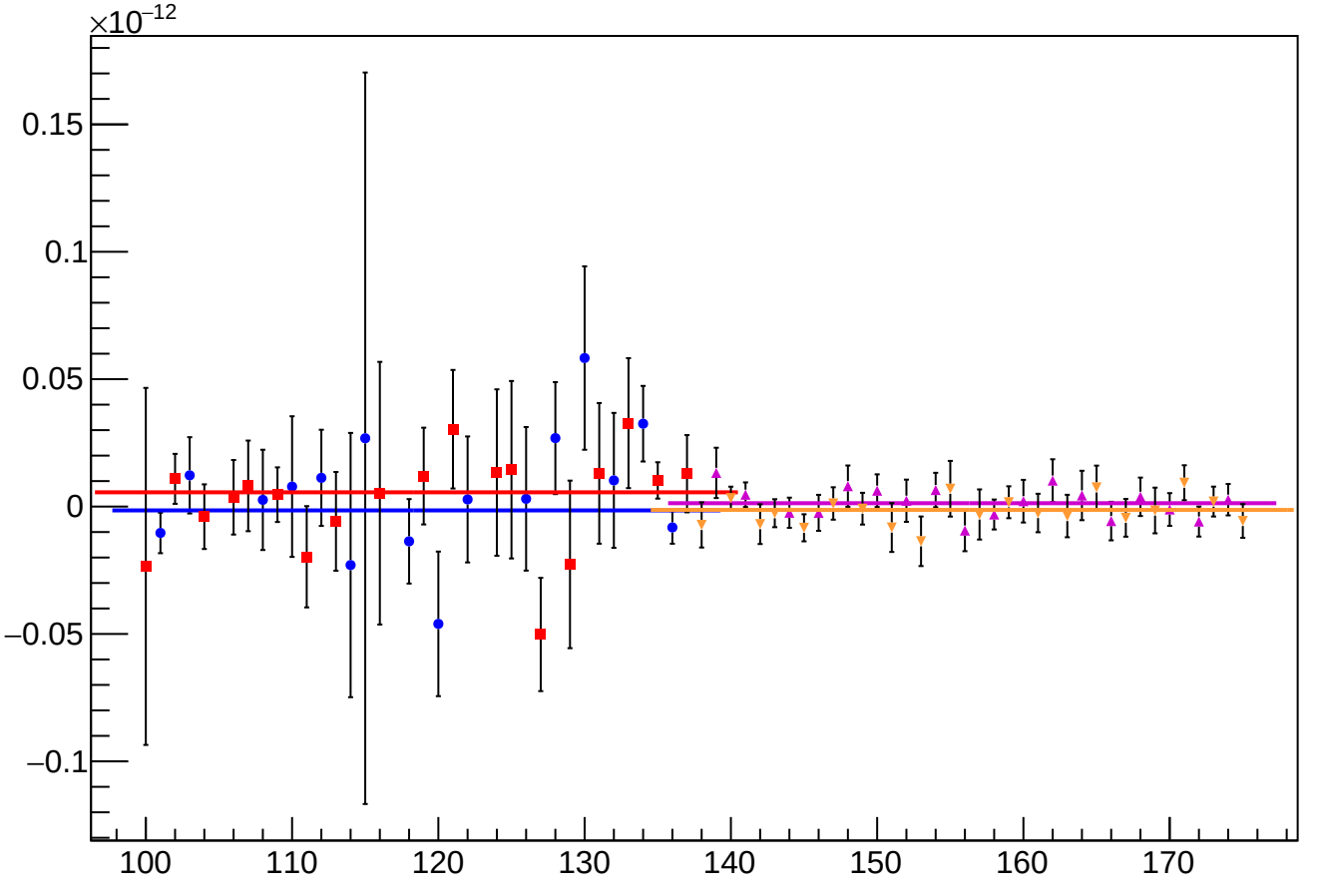
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.694+/-0.005 χ^2/NDF:595003.4/17

+ sign 28.322+/-0.004 χ^2/NDF: 2141977.5/35

All: 28.538+/-0.003 χ^2/NDF: 3466612.5/72

- sign 28.768+/-0.004 χ^2/NDF: 1319519.5/36



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/19

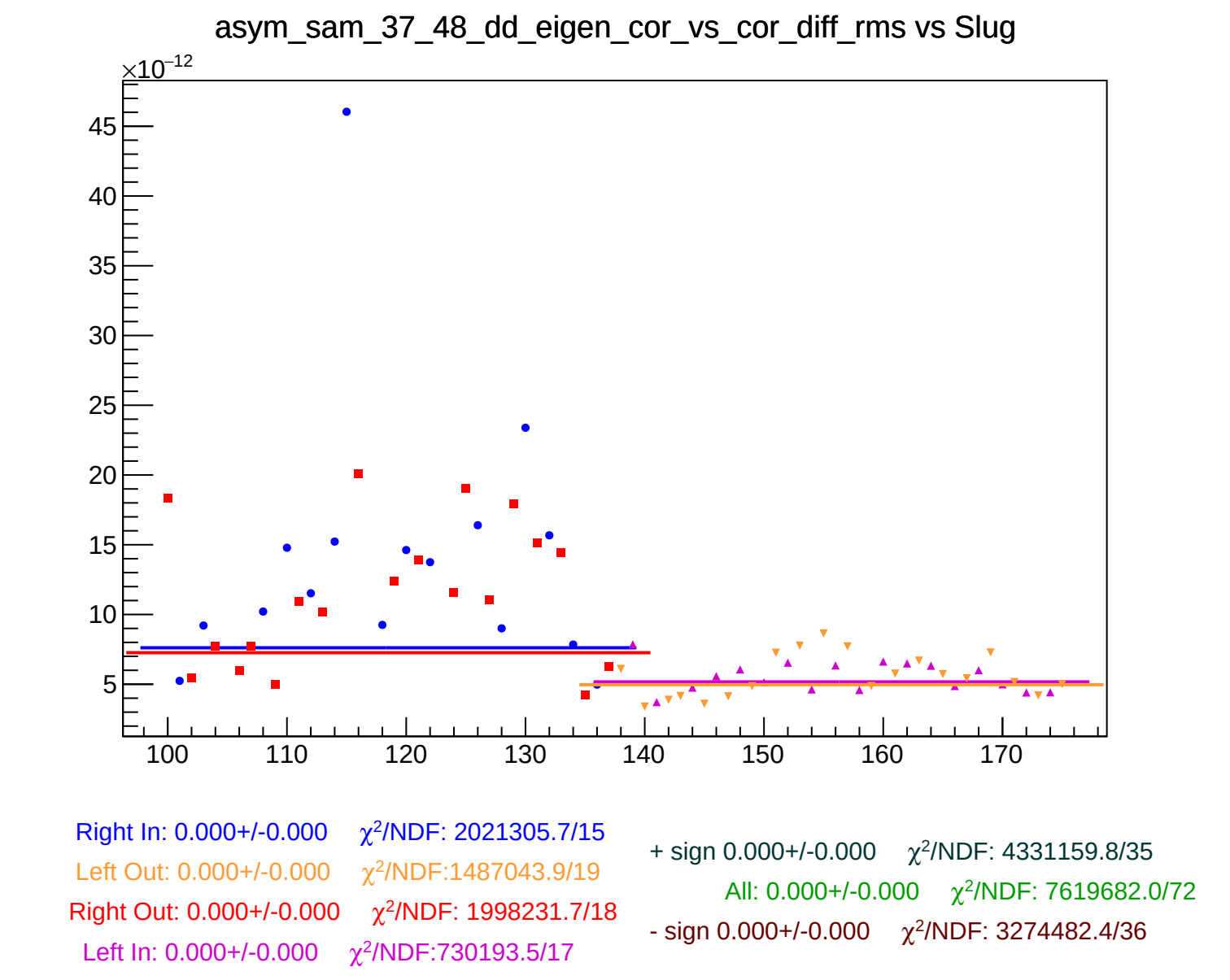
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/17

+ sign -0.000+/-0.000 χ^2/NDF: 28.4/35

All: 0.000+/-0.000 χ^2/NDF: 56.2/72

- sign 0.000+/-0.000 χ^2/NDF: 25.2/36


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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15
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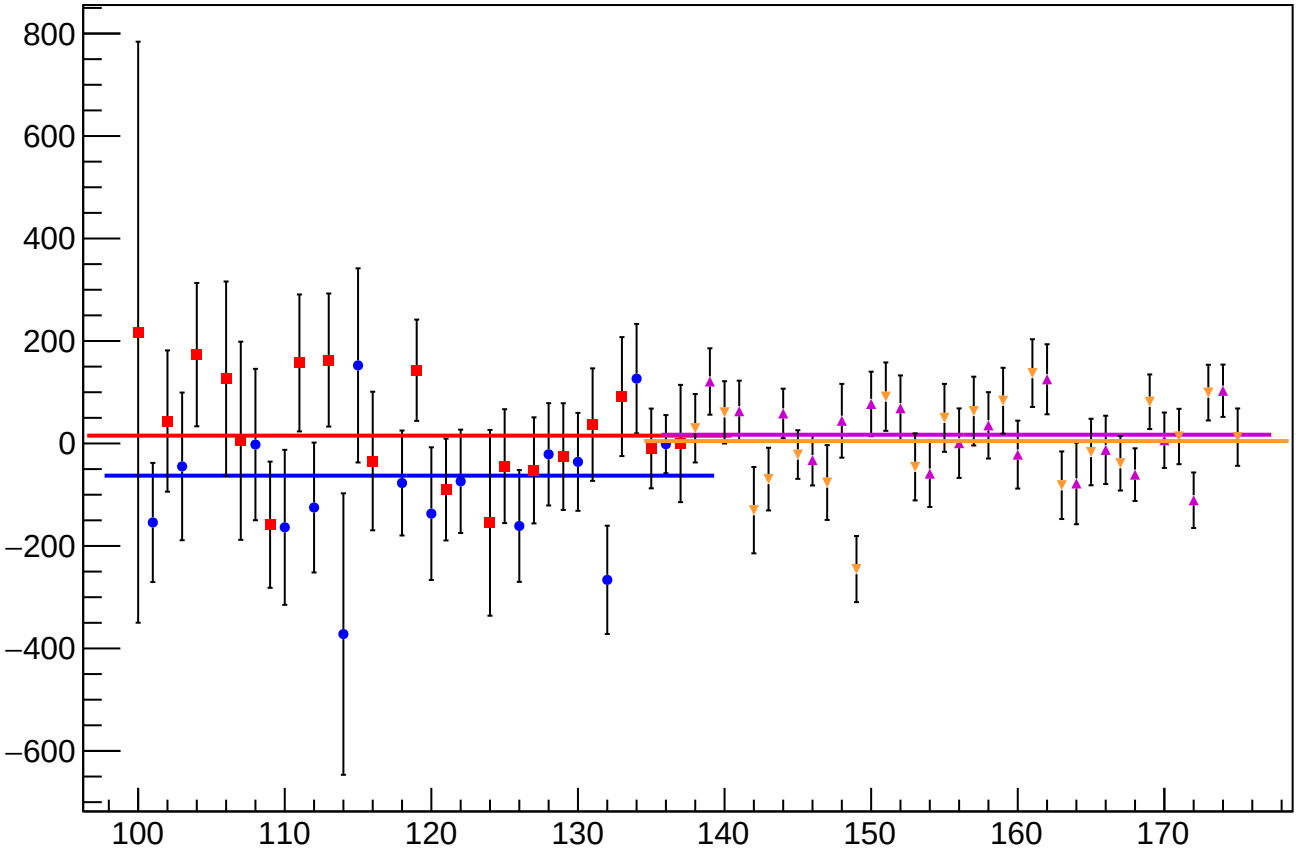
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1487043.9/19
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:730193.5/17
+ sign 0.000+/-0.000 χ²/NDF: 4331159.8/35
All: 0.000+/-0.000 χ²/NDF: 7619682.0/72
- sign 0.000+/-0.000 χ²/NDF: 3274482.4/36

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 4.655+/-13.701 χ^2/NDF:38.2/19

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

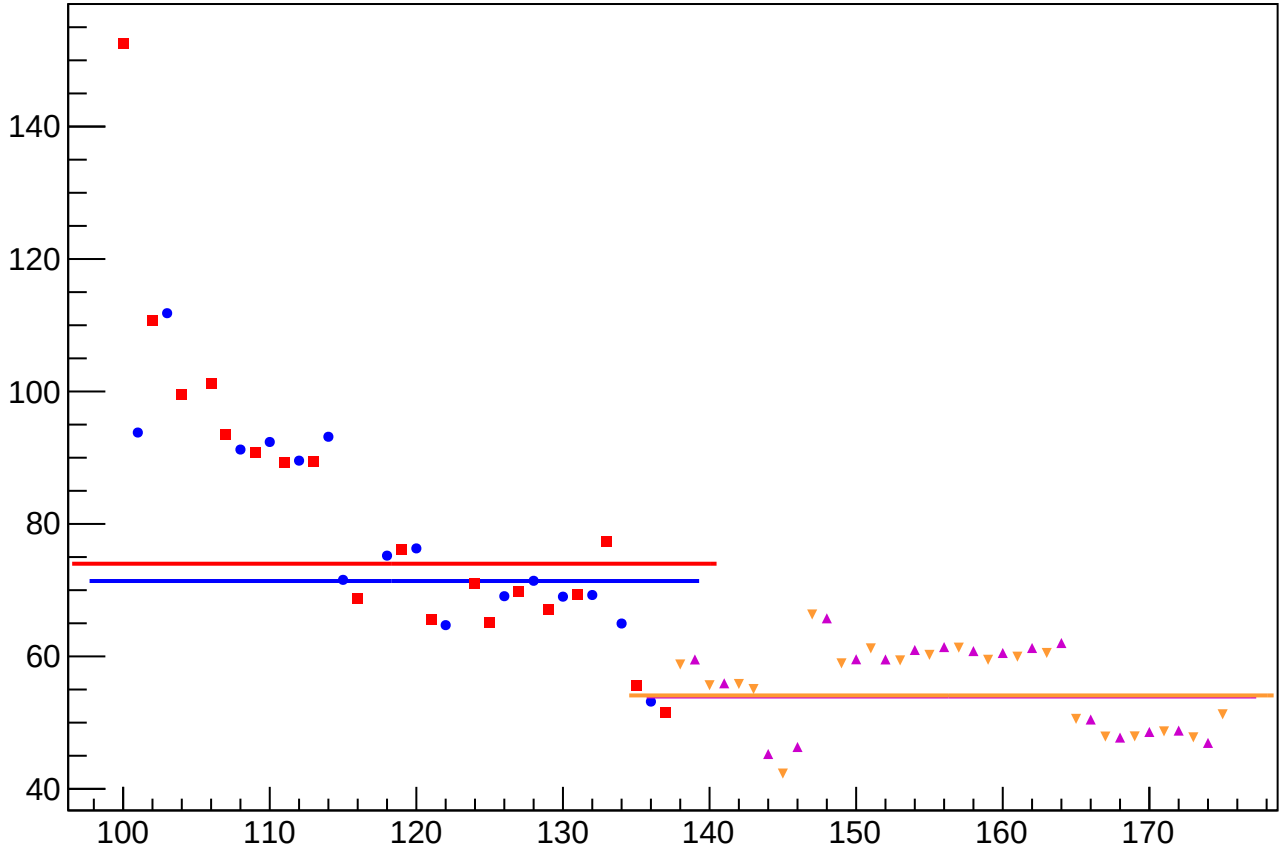
Left In: 17.084+/-14.130 χ^2/NDF:23.3/17

+ sign -8.986+/-12.238 χ^2/NDF: 56.6/35

All: 3.496+/-8.777 χ^2/NDF: 93.5/72

- sign 16.714+/-12.594 χ^2/NDF: 34.8/36

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 54.107+/-0.010 χ^2/NDF:440560.1/19

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

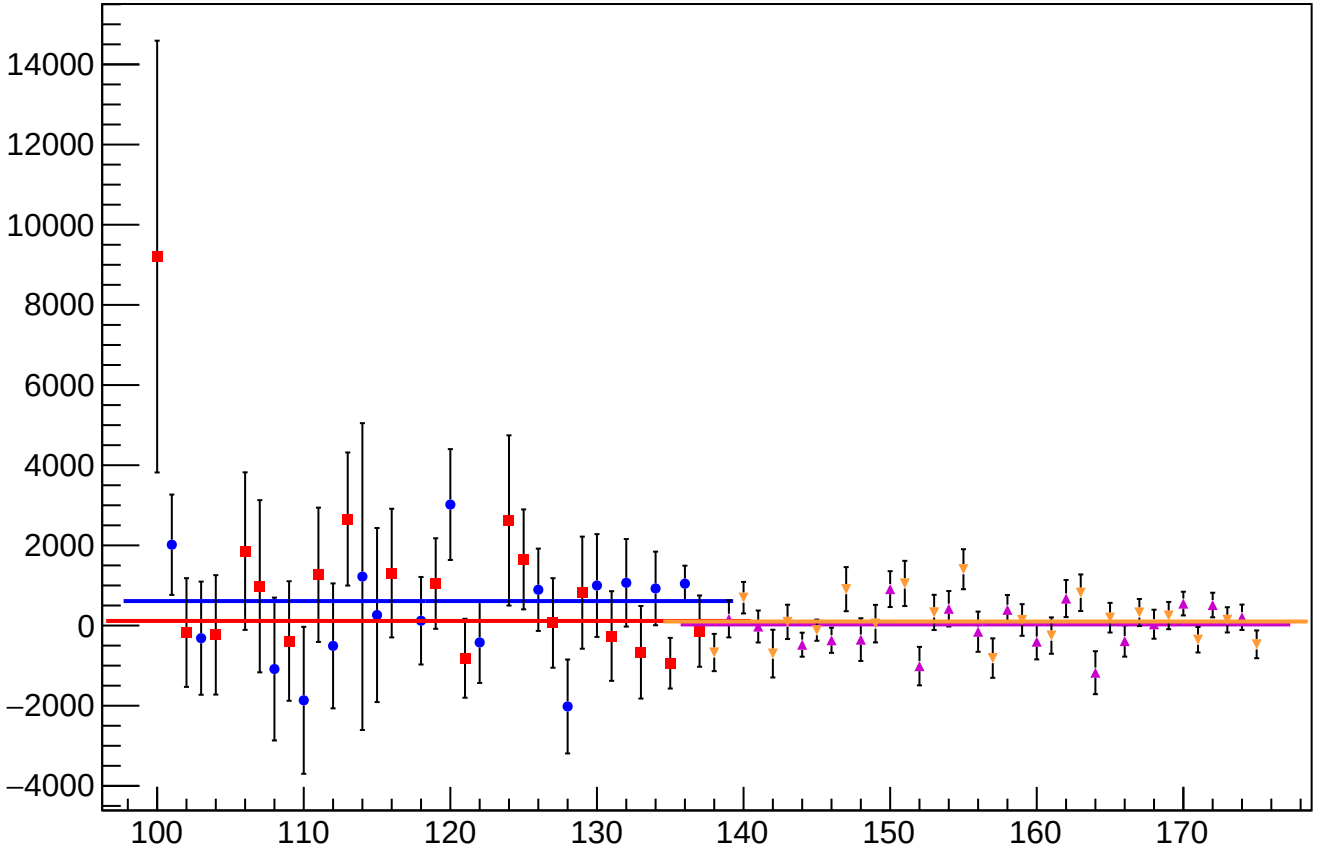
Left In: 53.943+/-0.010 χ^2/NDF:457266.2/17

+ sign 57.601+/-0.009 χ^2/NDF: 1674522.5/35

All: 57.827+/-0.006 χ^2/NDF: 3599853.0/72

- sign 58.067+/-0.009 χ^2/NDF: 1923923.0/36

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 100.808+/-88.654 χ^2/NDF:31.6/19

Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

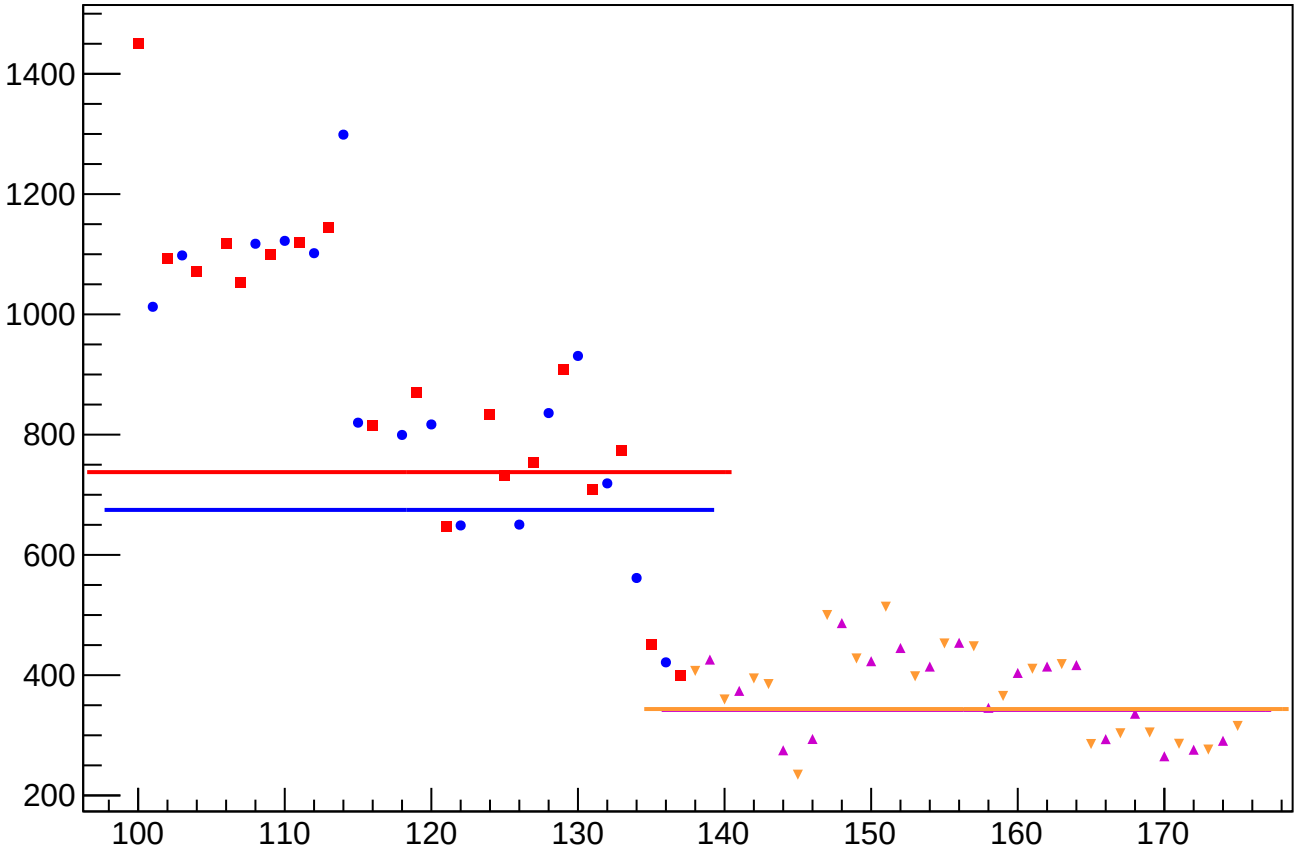
Left In: 28.059+/-90.901 χ^2/NDF:30.5/17

+ sign 151.495+/-84.131 χ^2/NDF: 50.6/35

All: 95.449+/-60.338 χ^2/NDF: 97.6/72

- sign 36.088+/-86.583 χ^2/NDF: 46.1/36

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 343.677+/-0.063 χ^2/NDF:1419353.3/19

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

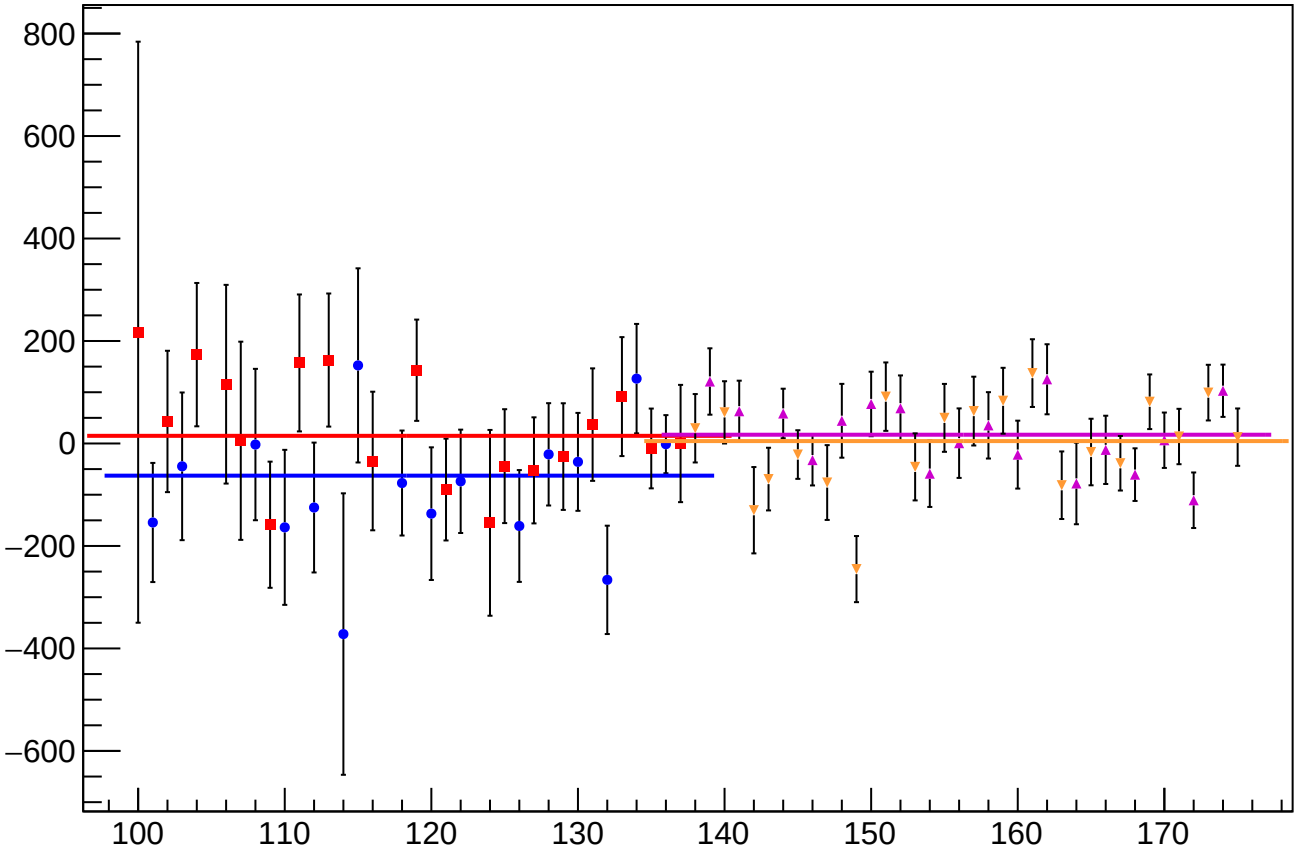
Left In: 342.174+/-0.064 χ^2/NDF:1121560.8/17

+ sign 376.605+/-0.059 χ^2/NDF: 5811706.9/35

All: 377.697+/-0.043 χ^2/NDF: 11961977.7/72

- sign 378.854+/-0.061 χ^2/NDF: 6149577.1/36

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 4.655+/-13.701 χ^2/NDF:38.2/19

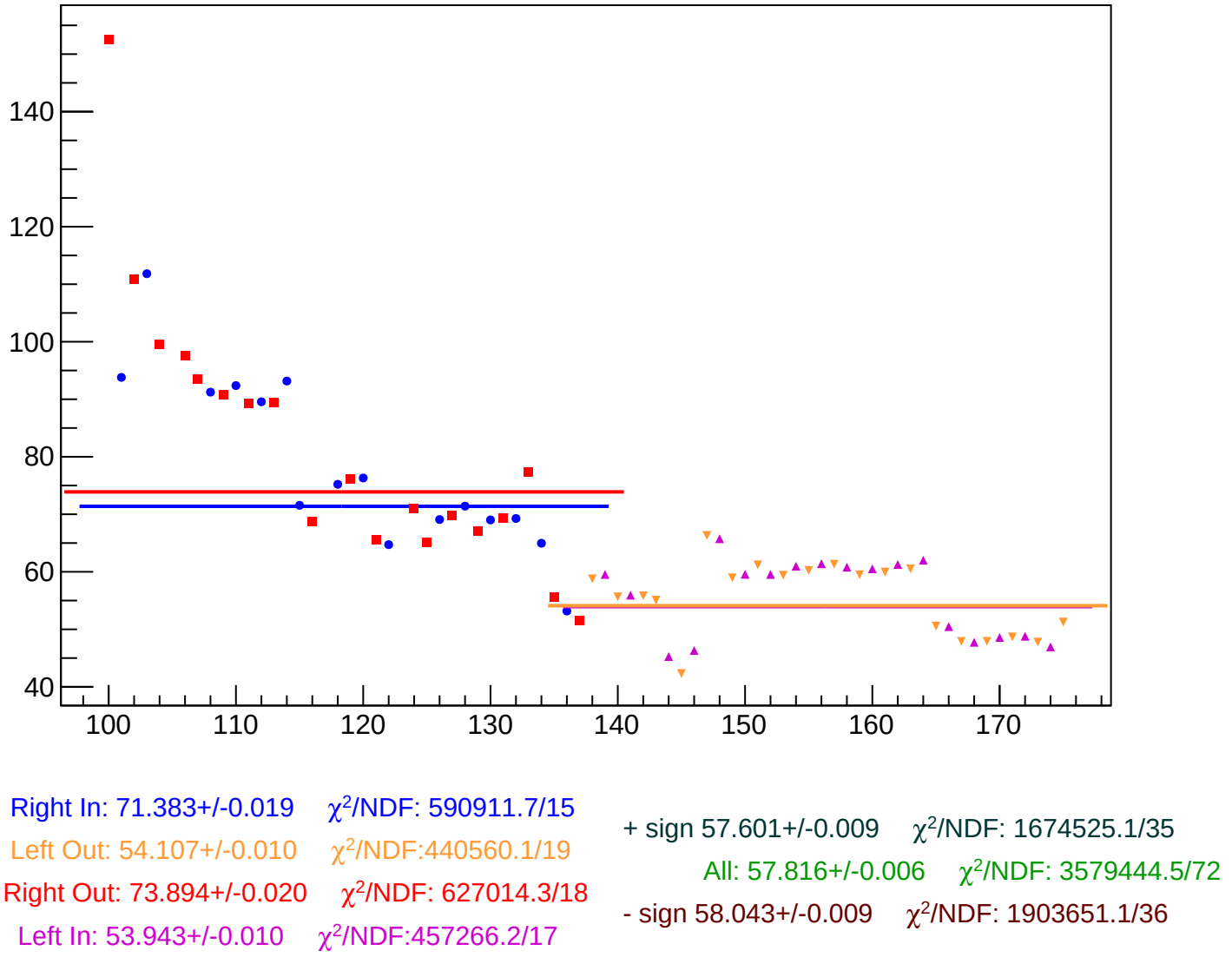
Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: 17.084+/-14.130 χ^2/NDF:23.3/17

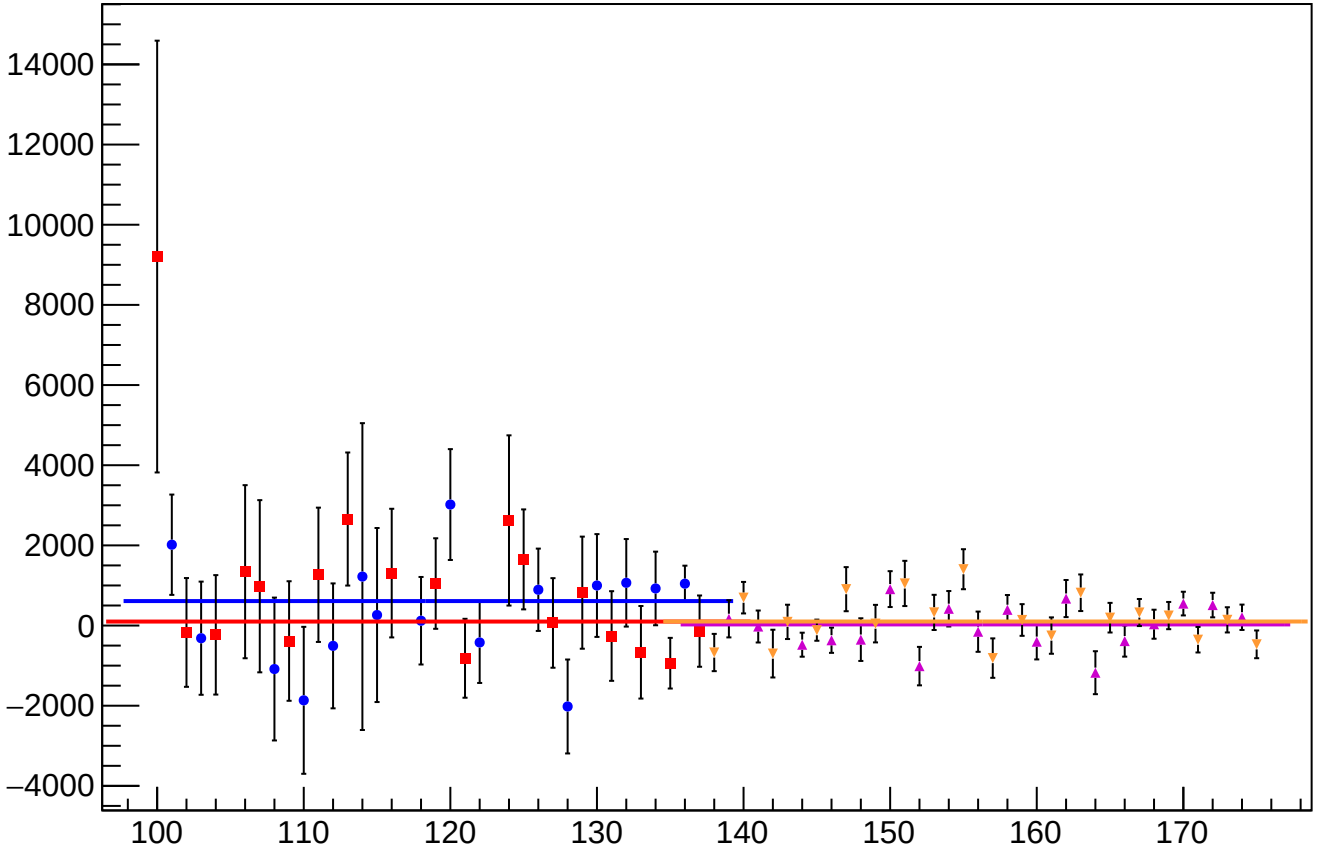
+ sign -8.984+/-12.238 χ^2/NDF: 56.6/35

All: 3.460+/-8.777 χ^2/NDF: 93.4/72

- sign 16.641+/-12.595 χ^2/NDF: 34.7/36


cor_asym_sam_15_26_dd_rms vs Slug
140
120
100
80
60
40
100
110
120
130
140
150
160
170
Right In: 71.383+/-0.019 χ²/NDF: 590911.7/15
Left Out: 54.107+/-0.010 χ²/NDF:440560.1/19
Right Out: 73.894+/-0.020 χ²/NDF: 627014.3/18
Left In: 53.943+/-0.010 χ²/NDF:457266.2/17
+ sign 57.601+/-0.009 χ²/NDF: 1674525.1/35
All: 57.816+/-0.006 χ²/NDF: 3579444.5/72
- sign 58.043+/-0.009 χ²/NDF: 1903651.1/36

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 100.806+/-88.654 χ^2/NDF:31.6/19

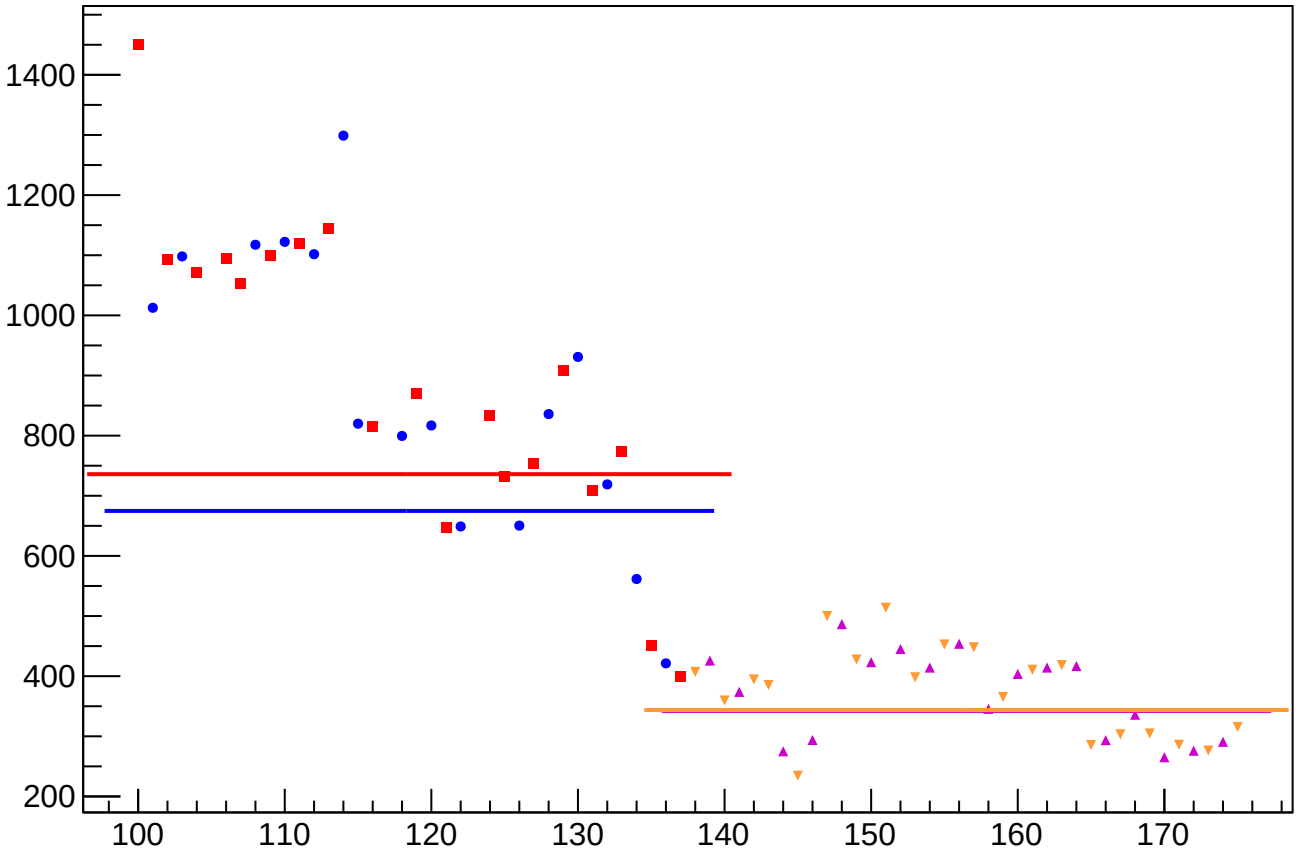
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 28.061+/-90.901 χ^2/NDF:30.5/17

+ sign 151.492+/-84.131 χ^2/NDF: 50.6/35

All: 94.768+/-60.343 χ^2/NDF: 97.2/72

- sign 34.670+/-86.598 χ^2/NDF: 45.6/36



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 343.677+/-0.063 χ^2/NDF:1419353.9/19

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

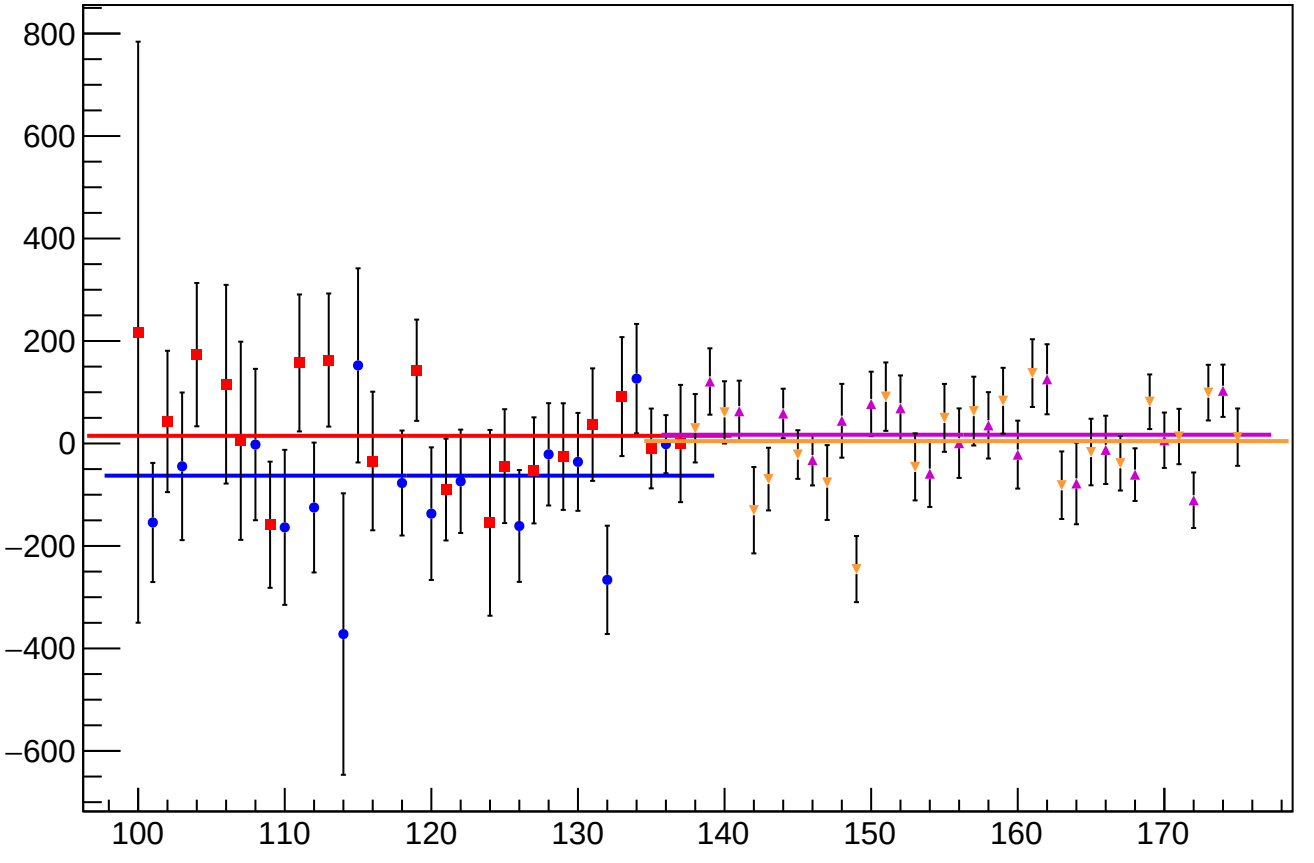
Left In: 342.174+/-0.064 χ^2/NDF:1121568.6/17

+ sign 376.605+/-0.059 χ^2/NDF: 5811729.0/35

All: 377.559+/-0.043 χ^2/NDF: 11899480.2/72

- sign 378.570+/-0.061 χ^2/NDF: 6087221.5/36

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 4.655+/-13.701 χ^2/NDF:38.2/19

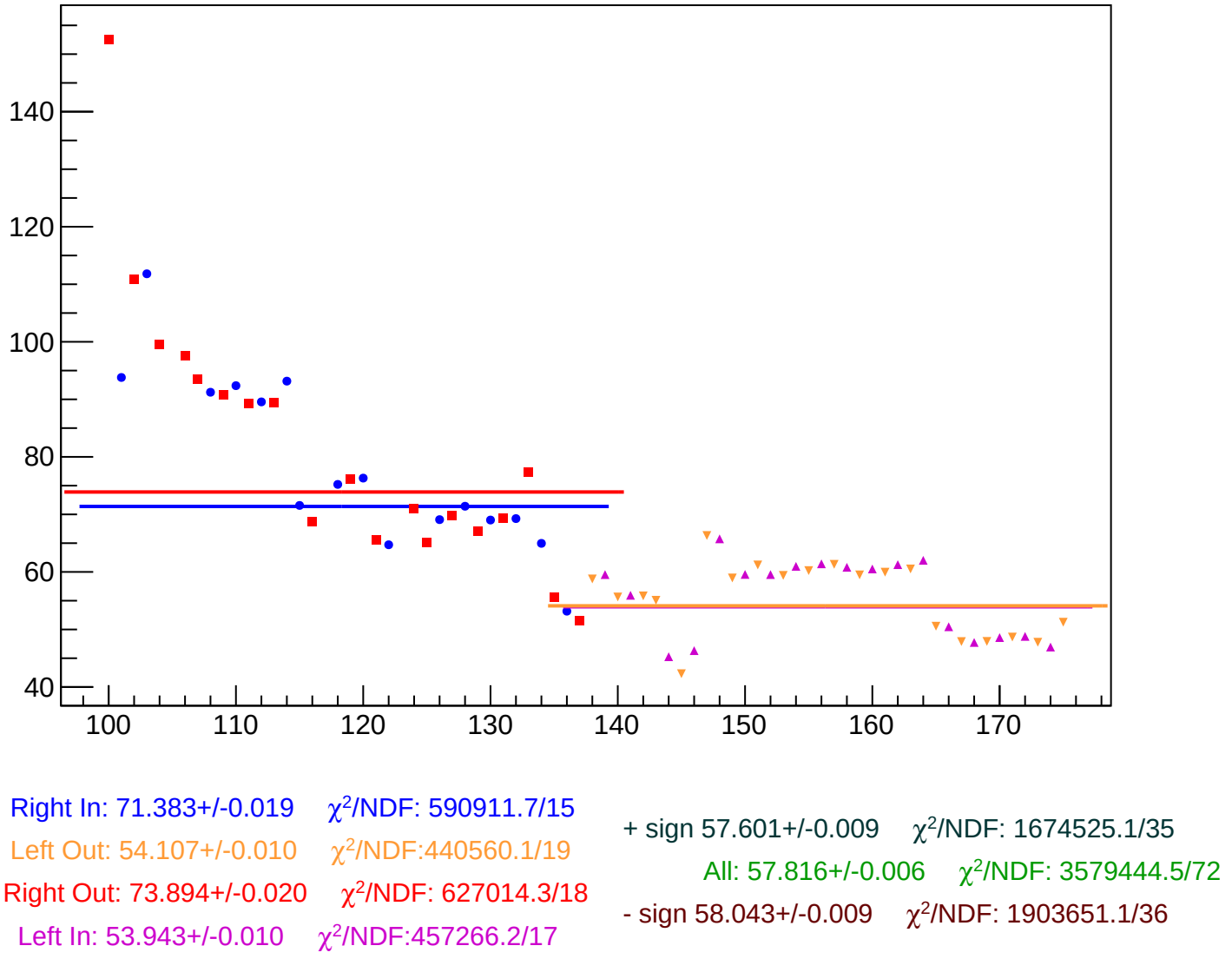
Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: 17.084+/-14.130 χ^2/NDF:23.3/17

+ sign -8.984+/-12.238 χ^2/NDF: 56.6/35

All: 3.460+/-8.777 χ^2/NDF: 93.4/72

- sign 16.641+/-12.595 χ^2/NDF: 34.7/36


eigen_cor_asym_sam_15_26_dd_rms vs Slug
140
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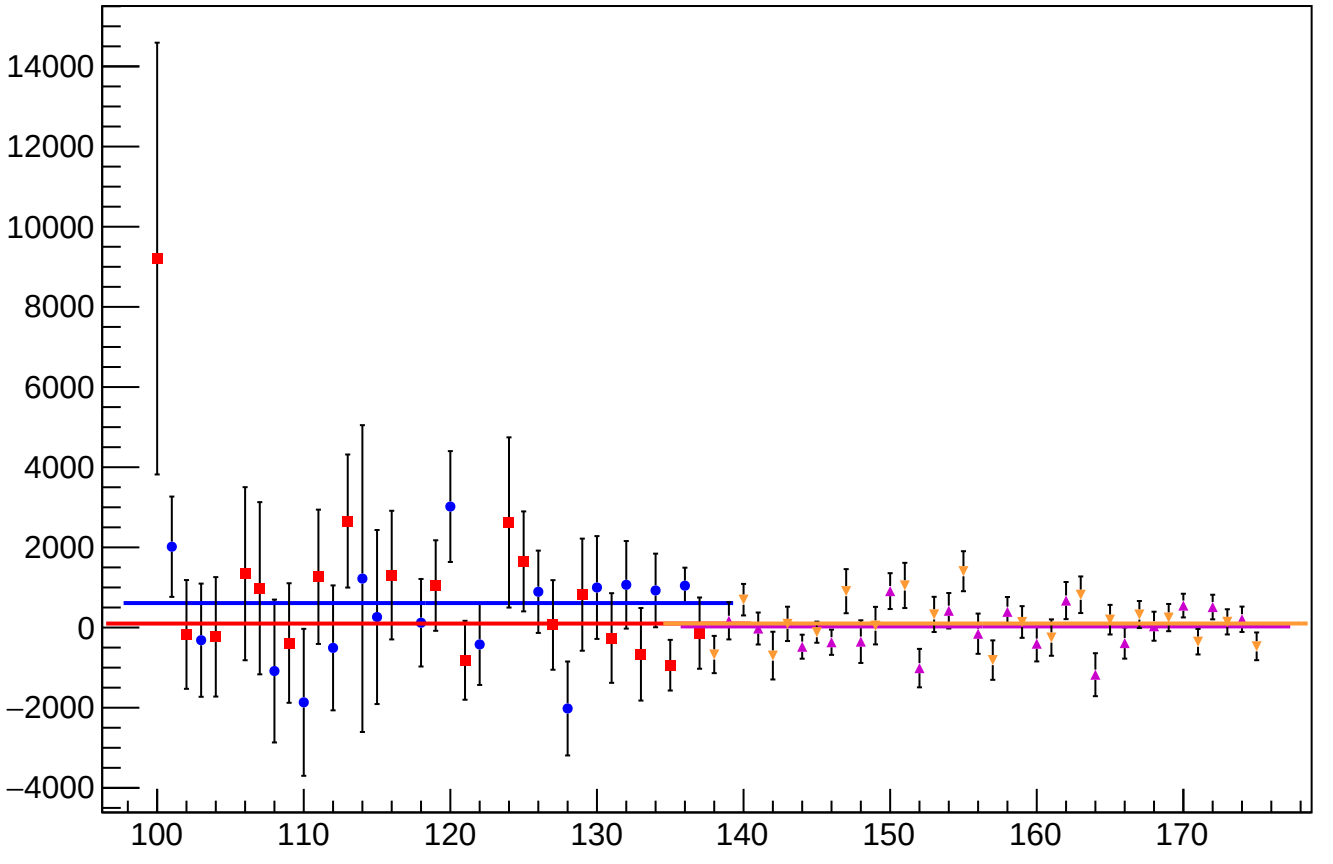
160
170
Right In: 71.383+/-0.019 χ²/NDF: 590911.7/15
Left Out: 54.107+/-0.010 χ²/NDF:440560.1/19
Right Out: 73.894+/-0.020 χ²/NDF: 627014.3/18
Left In: 53.943+/-0.010 χ²/NDF:457266.2/17
+ sign 57.601+/-0.009 χ²/NDF: 1674525.1/35
All: 57.816+/-0.006 χ²/NDF: 3579444.5/72
- sign 58.043+/-0.009 χ²/NDF: 1903651.1/36



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 100.806+/-88.654 χ^2/NDF:31.6/19

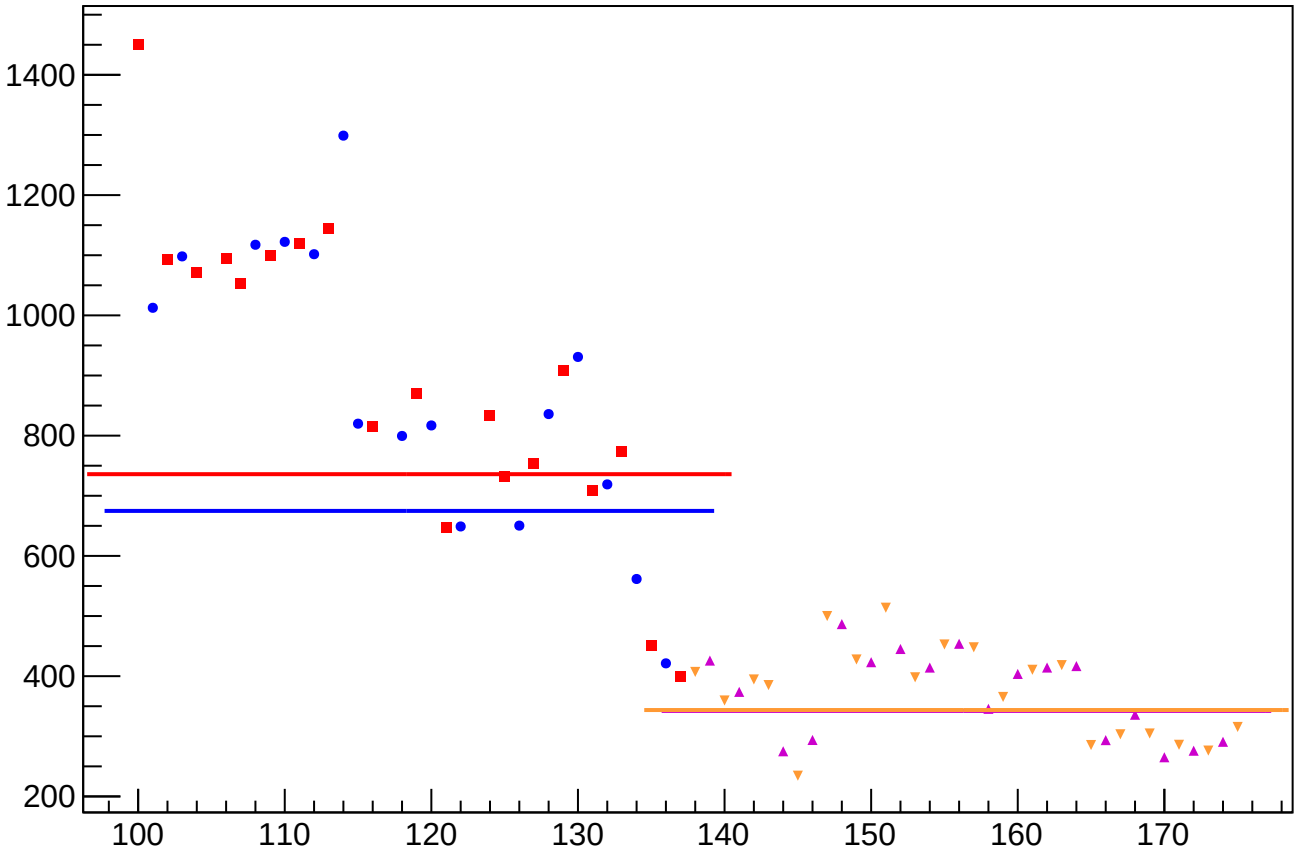
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 28.061+/-90.901 χ^2/NDF:30.5/17

+ sign 151.492+/-84.131 χ^2/NDF: 50.6/35

All: 94.768+/-60.343 χ^2/NDF: 97.2/72

- sign 34.670+/-86.598 χ^2/NDF: 45.6/36



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 343.677+/-0.063 χ^2/NDF:1419353.9/19

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

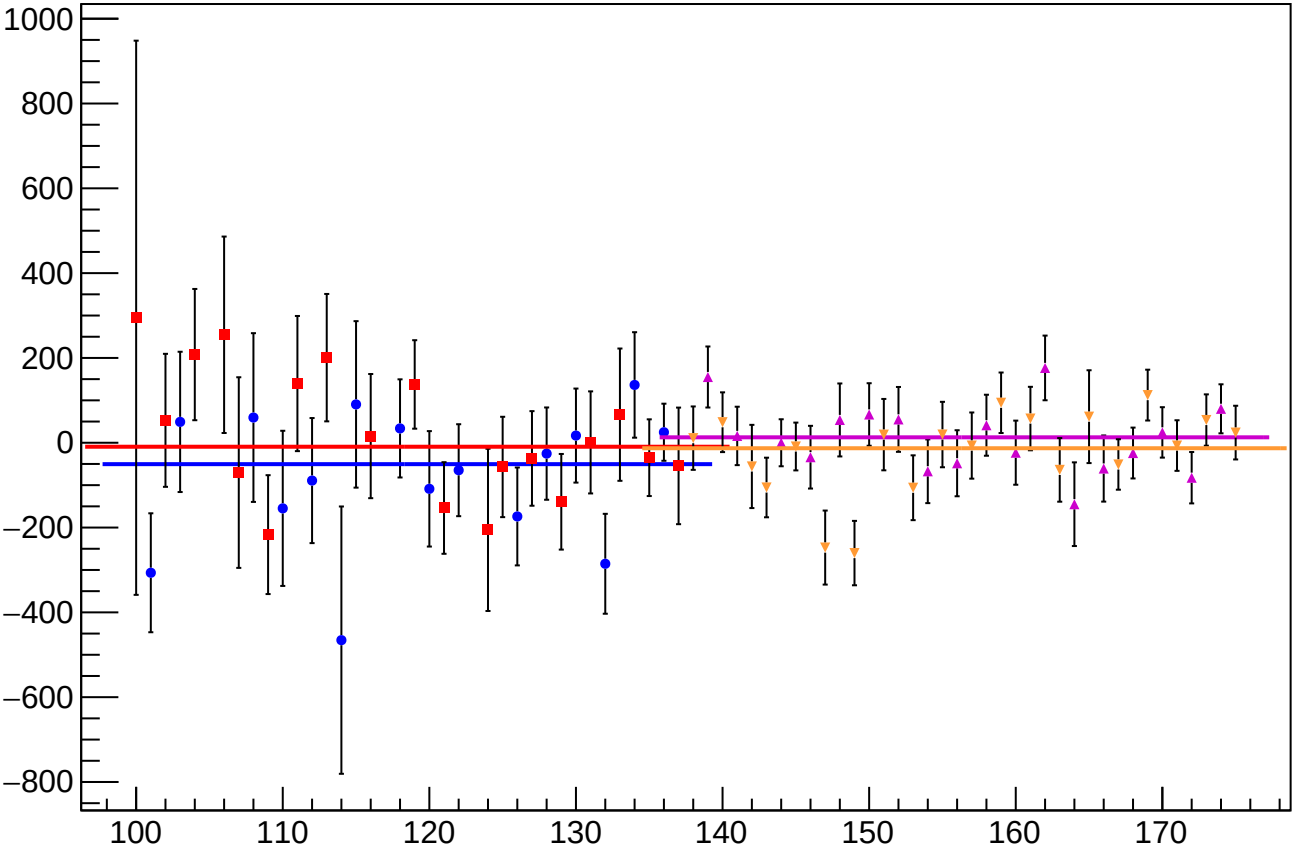
Left In: 342.174+/-0.064 χ^2/NDF:1121568.6/17

+ sign 376.605+/-0.059 χ^2/NDF: 5811729.0/35

All: 377.559+/-0.043 χ^2/NDF: 11899480.2/72

- sign 378.570+/-0.061 χ^2/NDF: 6087221.5/36

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -12.934+/-15.909 χ^2/NDF:32.8/19

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

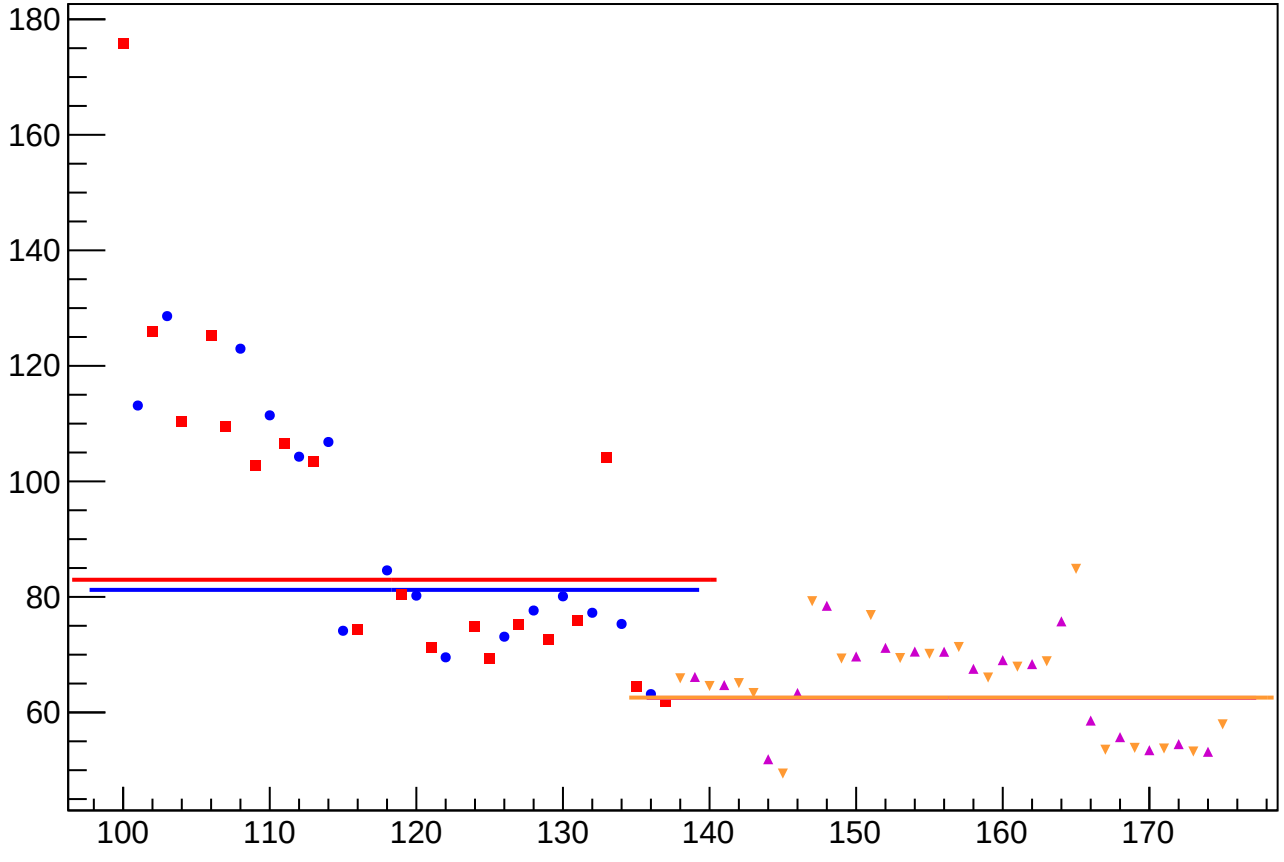
Left In: 12.805+/-16.474 χ^2/NDF:19.9/17

+ sign -20.733+/-14.159 χ^2/NDF: 50.4/35

All: -6.790+/-10.155 χ^2/NDF: 88.2/72

- sign 7.977+/-14.571 χ^2/NDF: 35.8/36

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.569+/-0.011 χ^2/NDF:625360.2/19

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

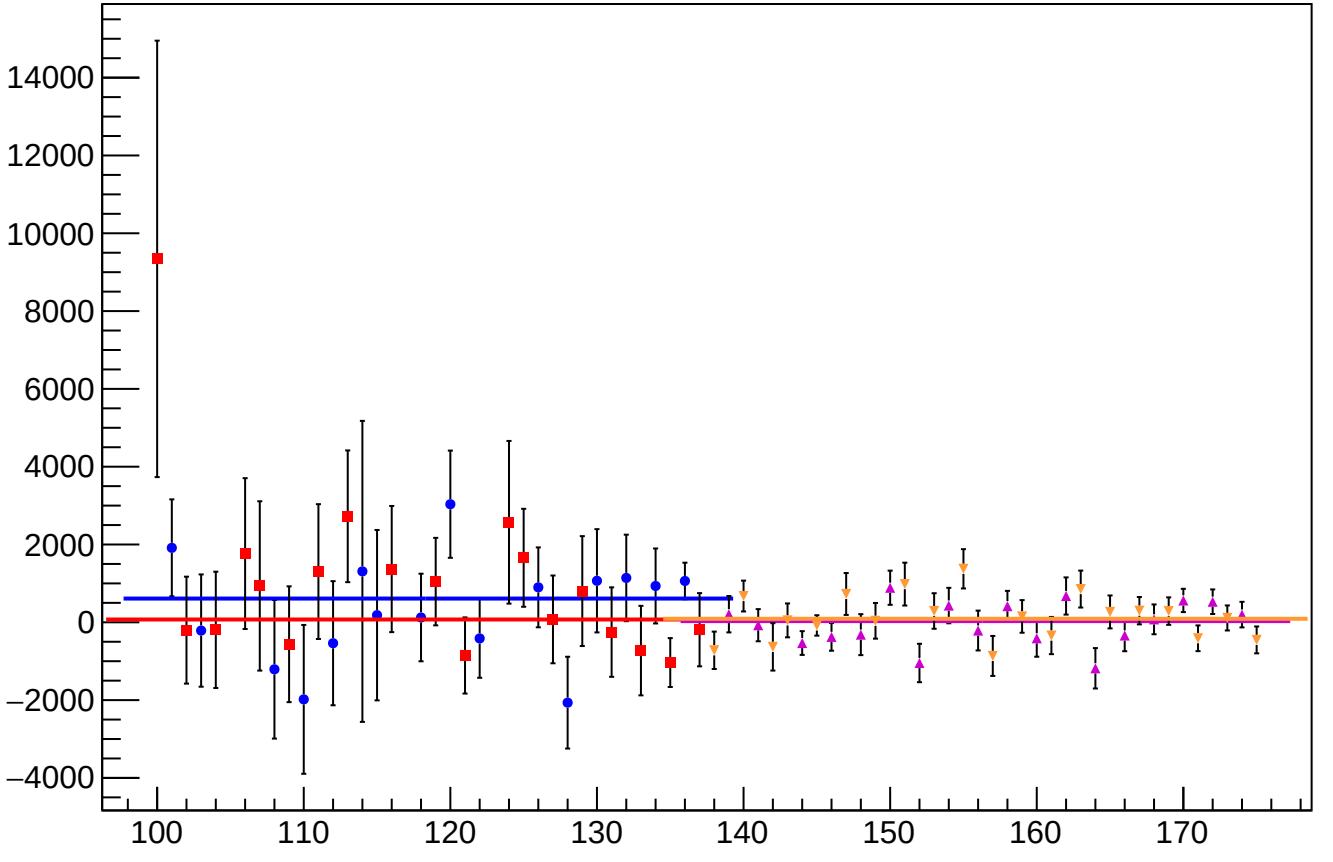
Left In: 62.513+/-0.012 χ^2/NDF:474752.0/17

+ sign 66.444+/-0.010 χ^2/NDF: 1859359.1/35

All: 66.697+/-0.007 χ^2/NDF: 3737055.4/72

- sign 66.965+/-0.010 χ^2/NDF: 1876381.1/36

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 90.641+/-91.061 χ^2/NDF:30.0/19

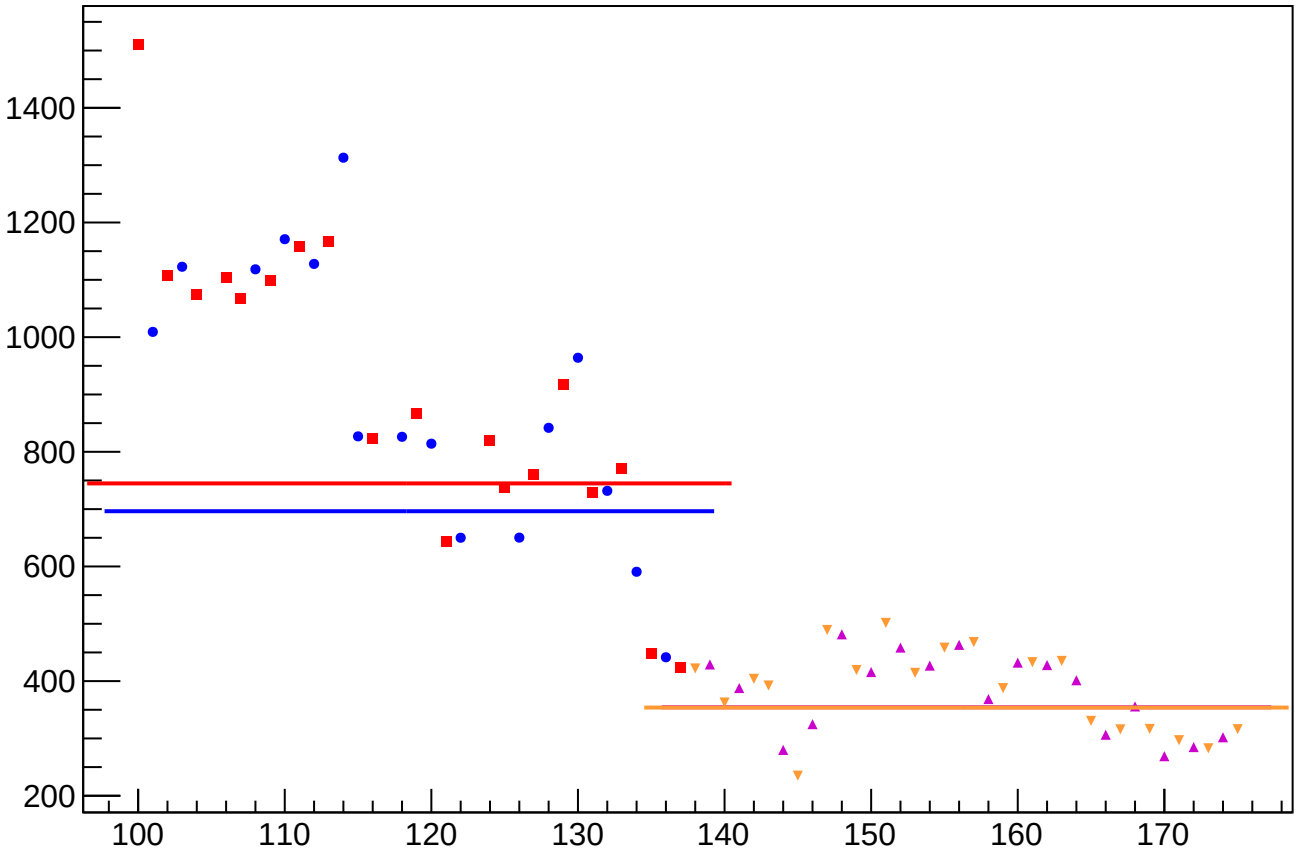
Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 31.176+/-94.096 χ^2/NDF:30.7/17

+ sign 142.343+/-86.414 χ^2/NDF: 49.1/35

All: 90.583+/-62.135 χ^2/NDF: 96.8/72

- sign 35.173+/-89.408 χ^2/NDF: 46.9/36



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 353.861+/-0.064 χ^2/NDF:1370577.3/19

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

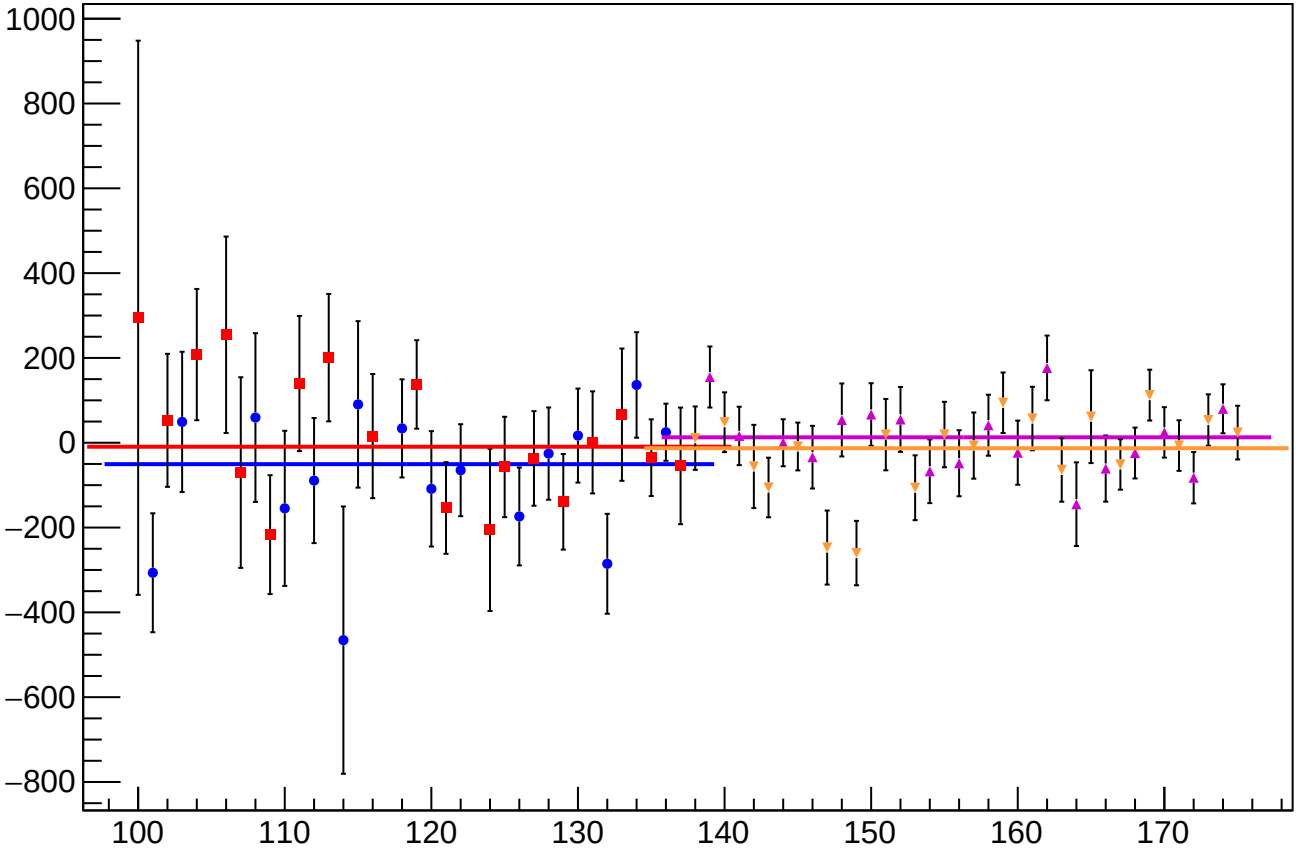
Left In: 354.379+/-0.067 χ^2/NDF:1040946.1/17

+ sign 387.933+/-0.061 χ^2/NDF: 5700721.4/35

All: 390.052+/-0.044 χ^2/NDF: 11589254.5/72

- sign 392.321+/-0.063 χ^2/NDF: 5886041.7/36

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -12.933+/-15.909 χ^2/NDF:32.8/19

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

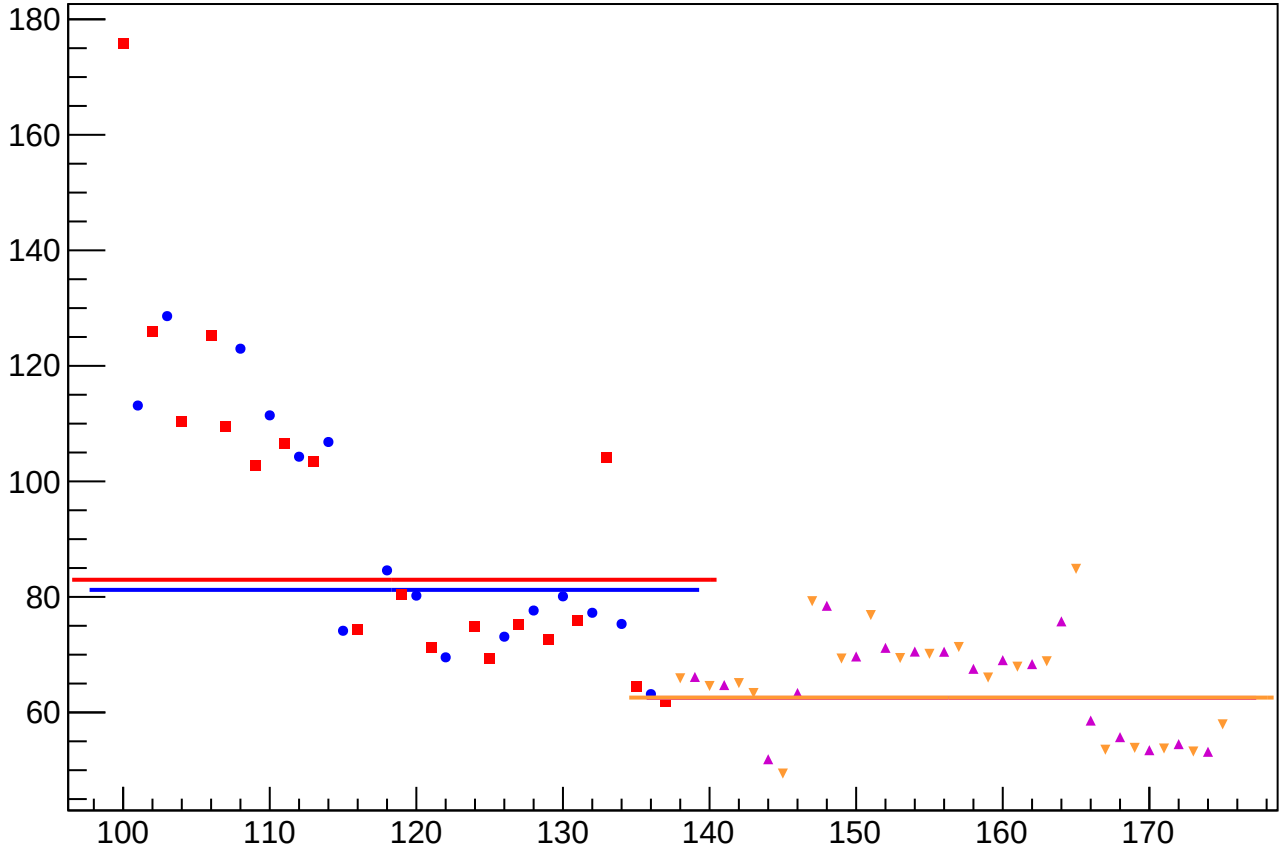
Left In: 12.804+/-16.474 χ^2/NDF:19.9/17

+ sign -20.733+/-14.159 χ^2/NDF: 50.4/35

All: -6.790+/-10.155 χ^2/NDF: 88.2/72

- sign 7.976+/-14.571 χ^2/NDF: 35.8/36

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.569+/-0.011 χ^2/NDF:625357.0/19

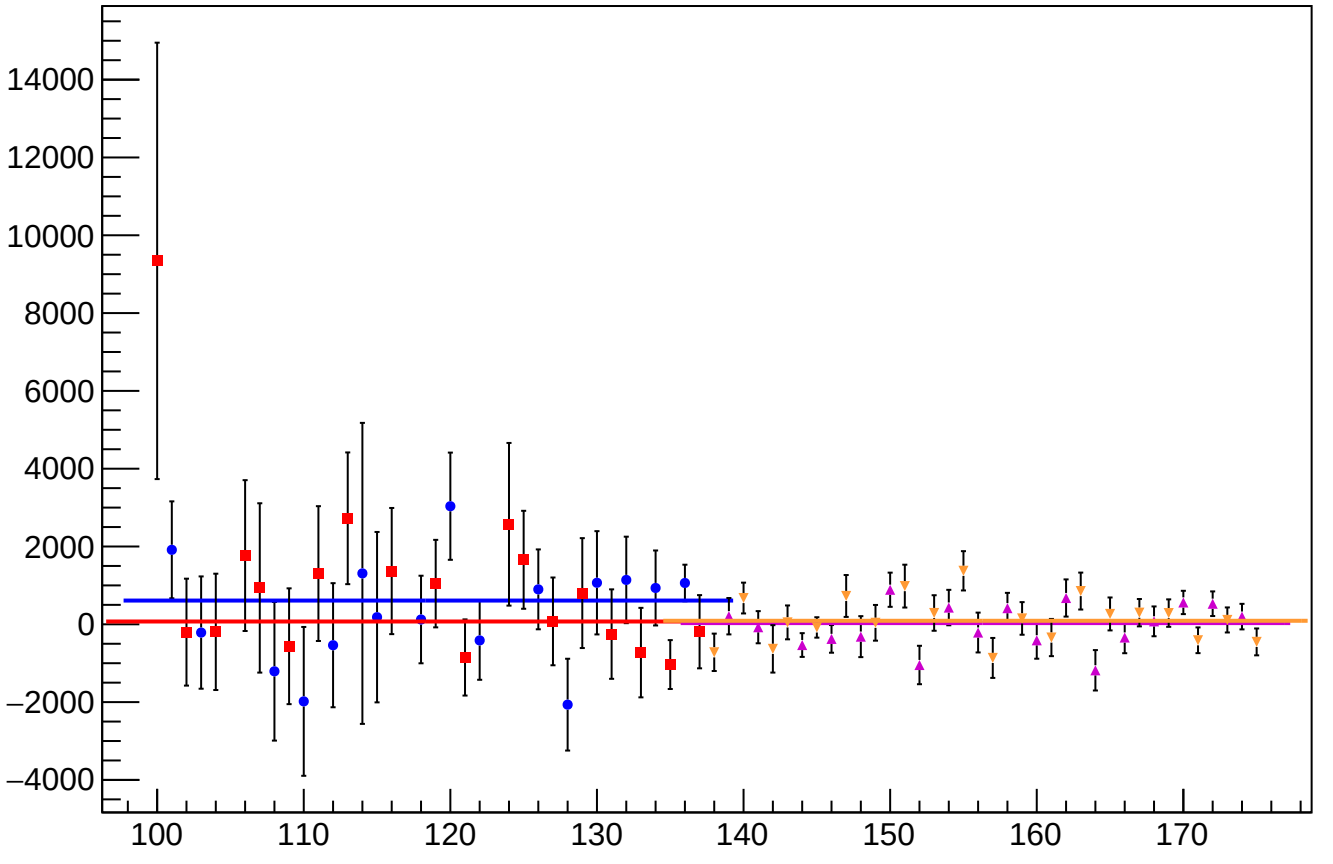
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.513+/-0.012 χ^2/NDF:474742.3/17

+ sign 66.444+/-0.010 χ^2/NDF: 1859312.4/35

All: 66.698+/-0.007 χ^2/NDF: 3736960.7/72

- sign 66.966+/-0.010 χ^2/NDF: 1876332.6/36



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 90.641+/-91.061 χ^2/NDF:30.0/19

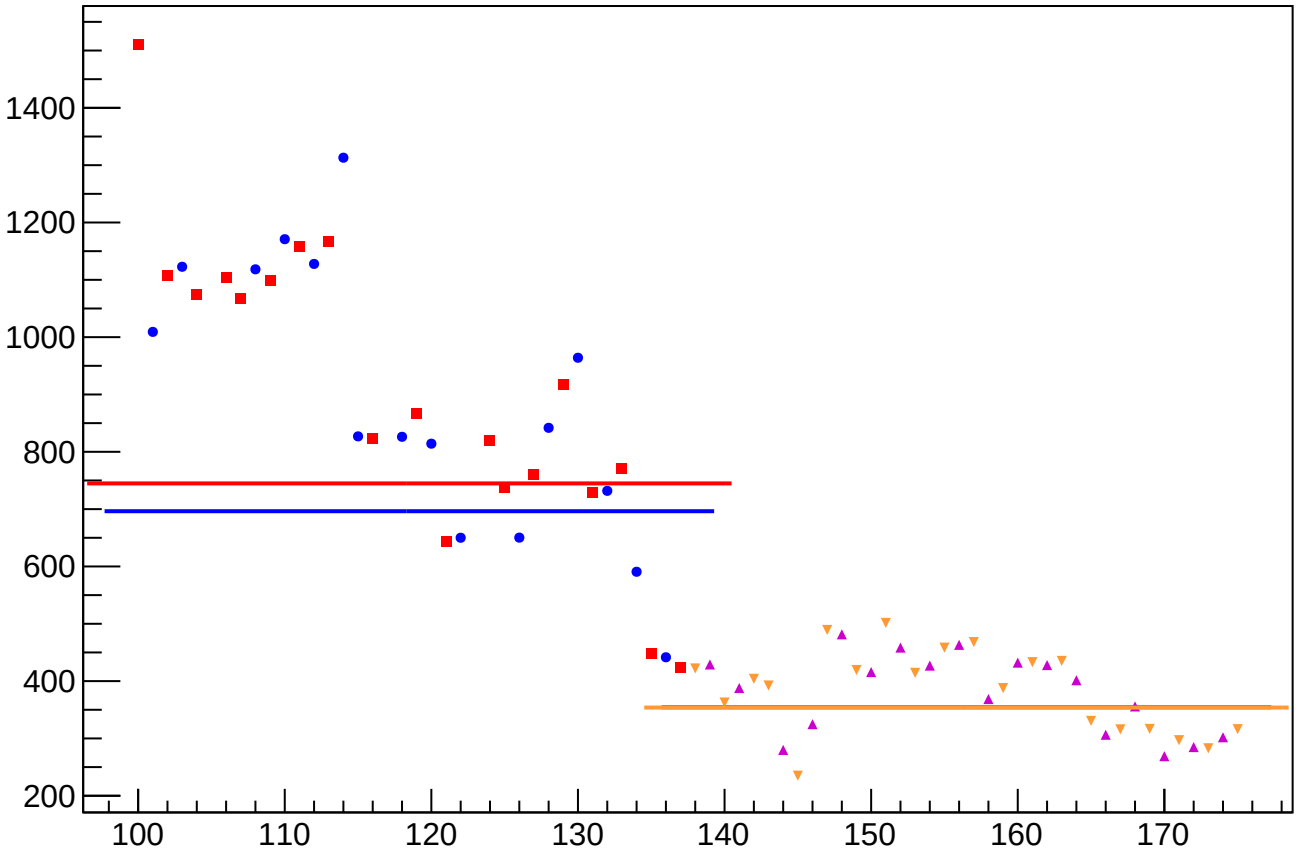
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 31.176+/-94.097 χ^2/NDF:30.7/17

+ sign 142.344+/-86.414 χ^2/NDF: 49.1/35

All: 90.583+/-62.135 χ^2/NDF: 96.8/72

- sign 35.173+/-89.408 χ^2/NDF: 46.9/36



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 353.862+/-0.064 χ^2/NDF:1370591.1/19

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

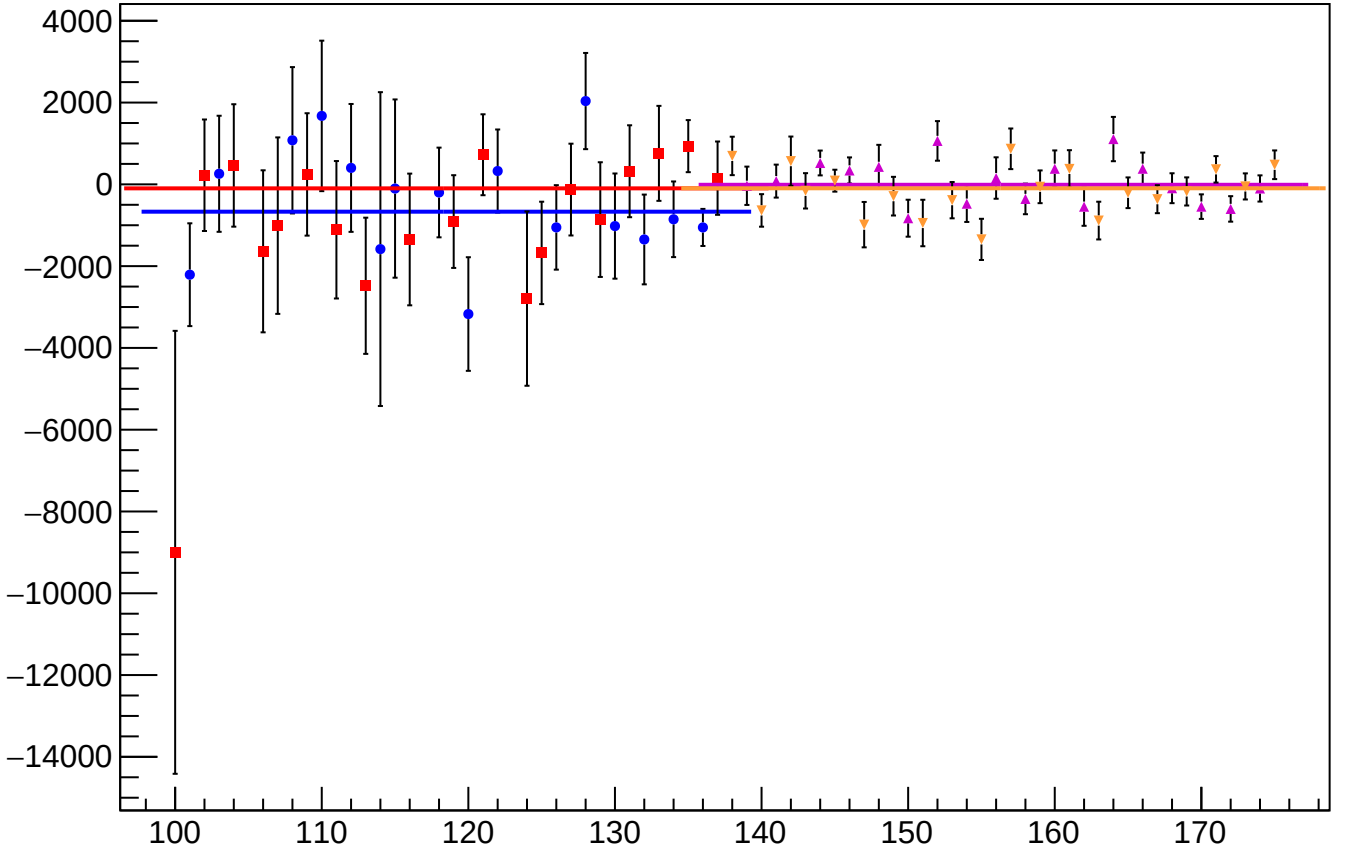
Left In: 354.380+/-0.067 χ^2/NDF:1040949.0/17

+ sign 387.933+/-0.061 χ^2/NDF: 5700710.4/35

All: 390.053+/-0.044 χ^2/NDF: 11589218.9/72

- sign 392.322+/-0.063 χ^2/NDF: 5886016.9/36

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -96.277+/-89.769 χ^2/NDF:31.3/19

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

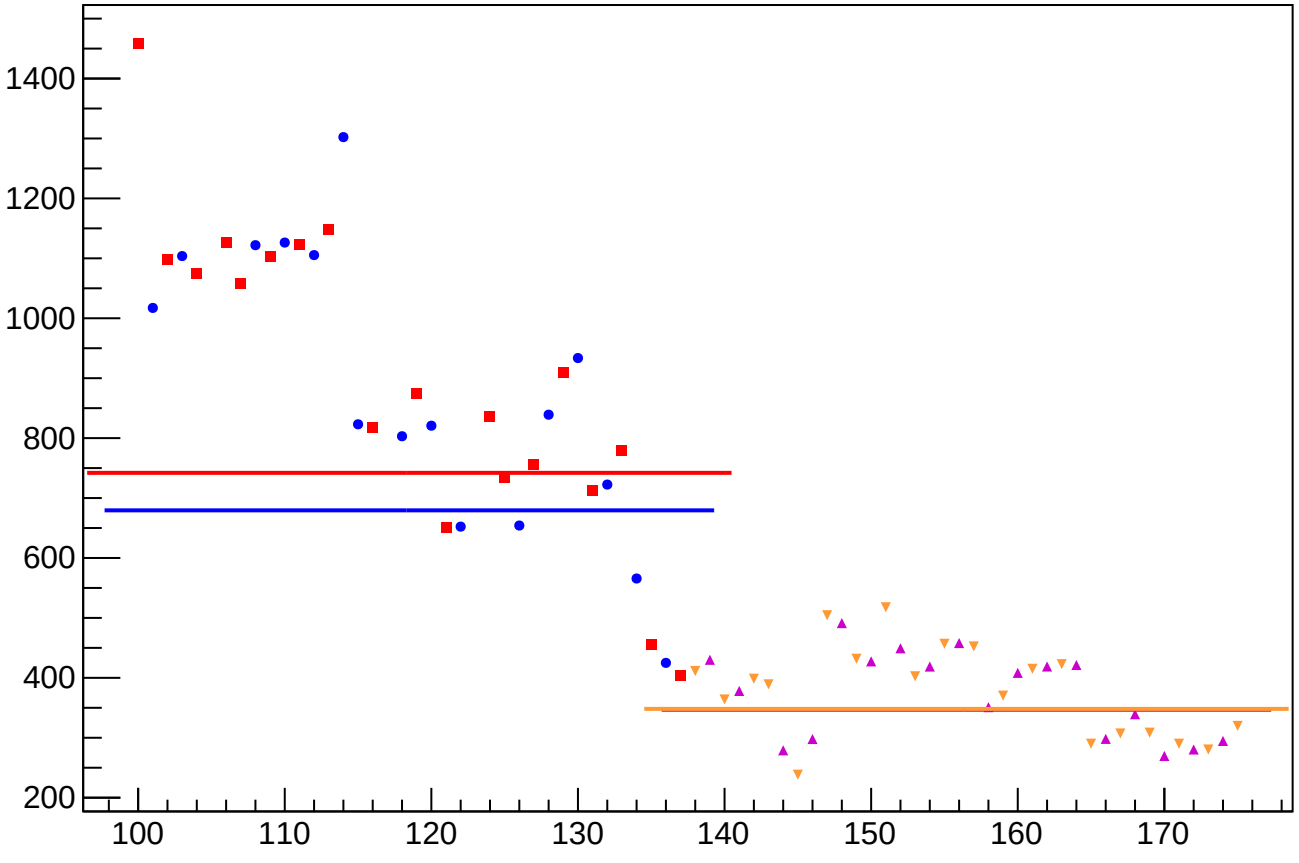
Left In: -10.794+/-92.062 χ^2/NDF:29.4/17

+ sign -153.828+/-85.136 χ^2/NDF: 51.5/35

All: -88.354+/-61.063 χ^2/NDF: 97.0/72

- sign -18.988+/-87.630 χ^2/NDF: 44.3/36

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 348.210+/-0.063 χ^2/NDF:1389305.0/19

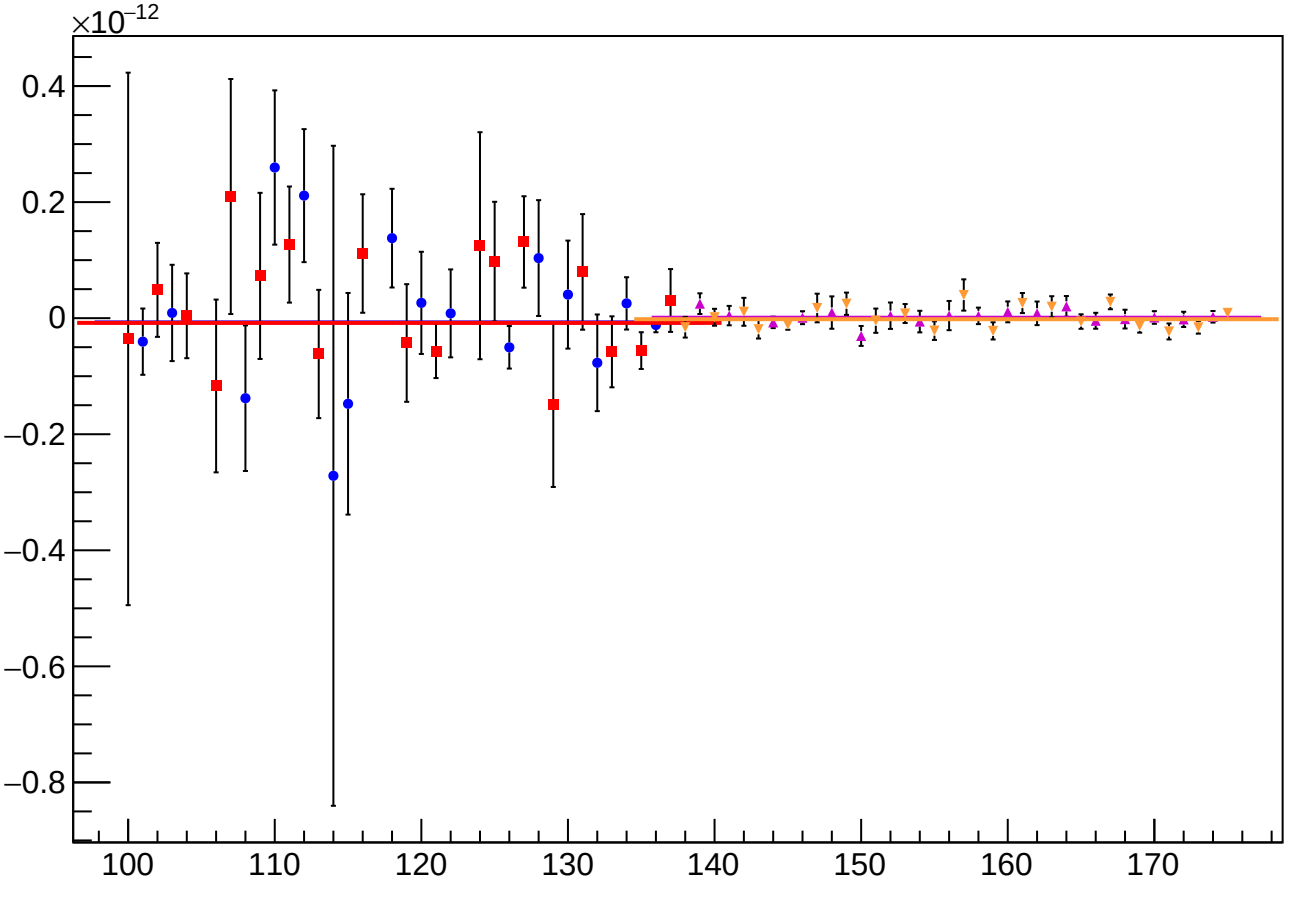
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 346.725+/-0.065 χ^2/NDF:1098148.8/17

+ sign 381.526+/-0.060 χ^2/NDF: 5729242.6/35

All: 382.665+/-0.043 χ^2/NDF: 11798145.2/72

- sign 383.872+/-0.062 χ^2/NDF: 6068165.5/36



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/19

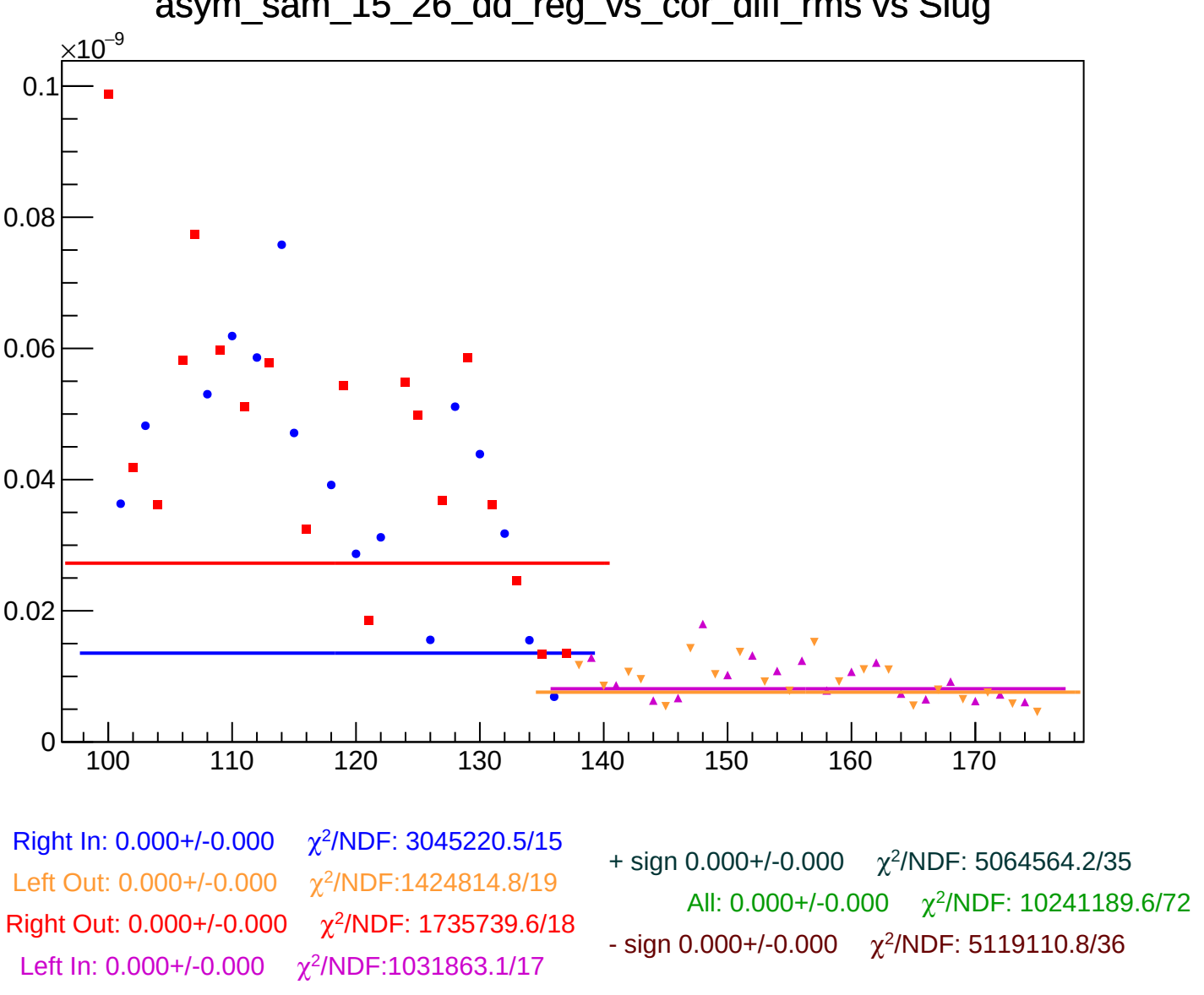
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/17

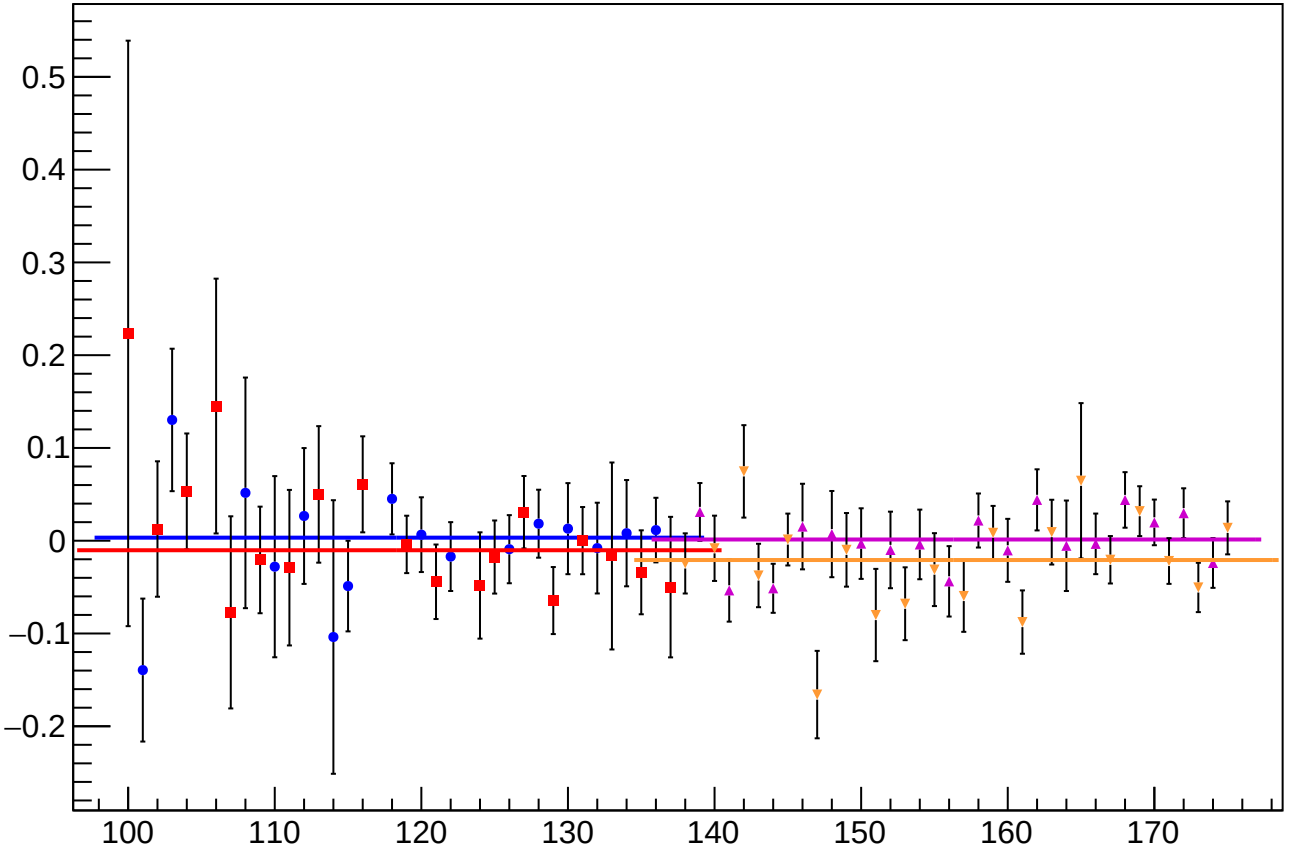
+ sign -0.000+/-0.000 χ^2/NDF: 45.9/35

All: -0.000+/-0.000 χ^2/NDF: 71.6/72

- sign 0.000+/-0.000 χ^2/NDF: 25.4/36


asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3045220.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1424814.8/19
Right Out: 0.000+/-0.000 χ²/NDF: 1735739.6/18
Left In: 0.000+/-0.000 χ²/NDF:1031863.1/17
+ sign 0.000+/-0.000 χ²/NDF: 5064564.2/35
All: 0.000+/-0.000 χ²/NDF: 10241189.6/72
- sign 0.000+/-0.000 χ²/NDF: 5119110.8/36

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.007 χ^2/NDF:31.4/19

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

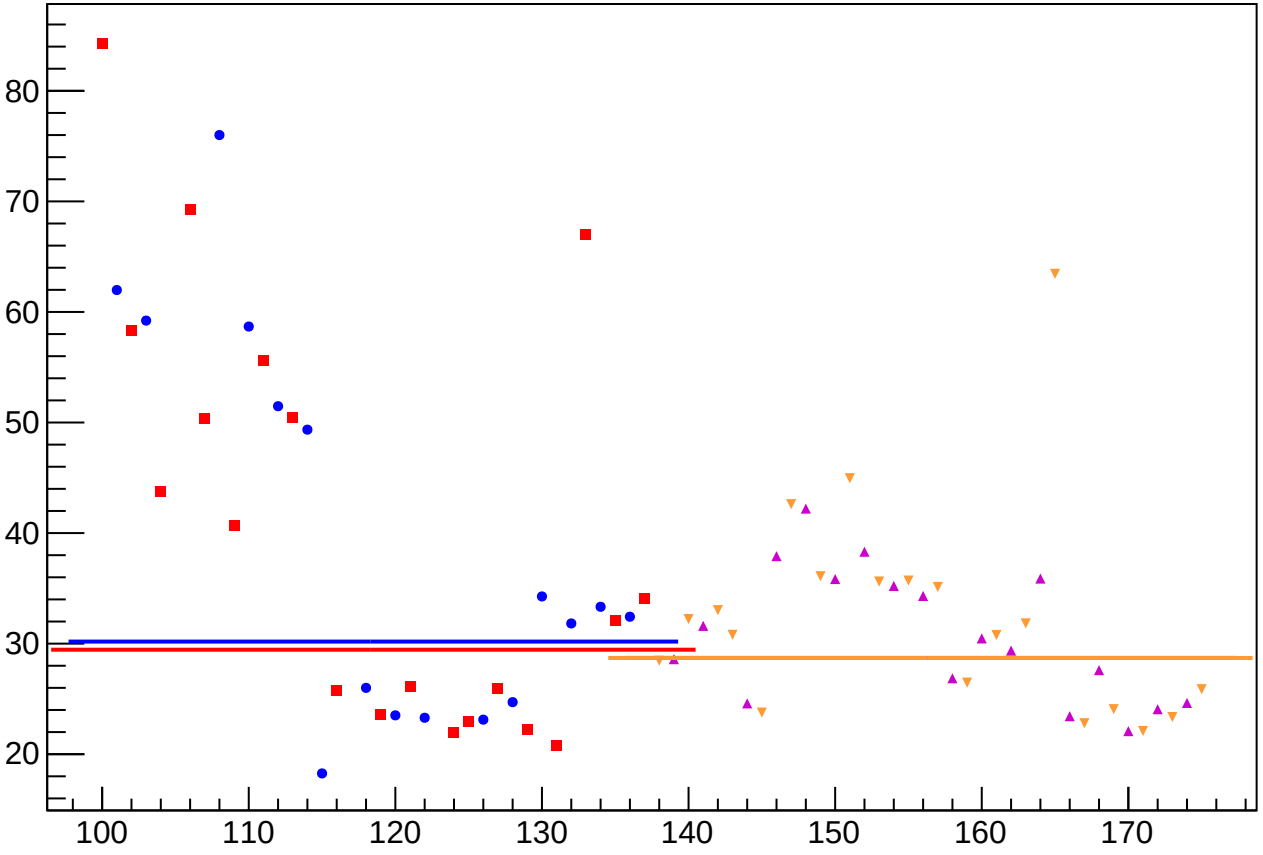
Left In: 0.001+/-0.008 χ^2/NDF:16.1/17

+ sign -0.014+/-0.006 χ^2/NDF: 44.3/35

All: -0.008+/-0.005 χ^2/NDF: 74.1/72

- sign -0.002+/-0.006 χ^2/NDF: 28.0/36

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.703+/-0.005 χ^2/NDF:1533051.3/19

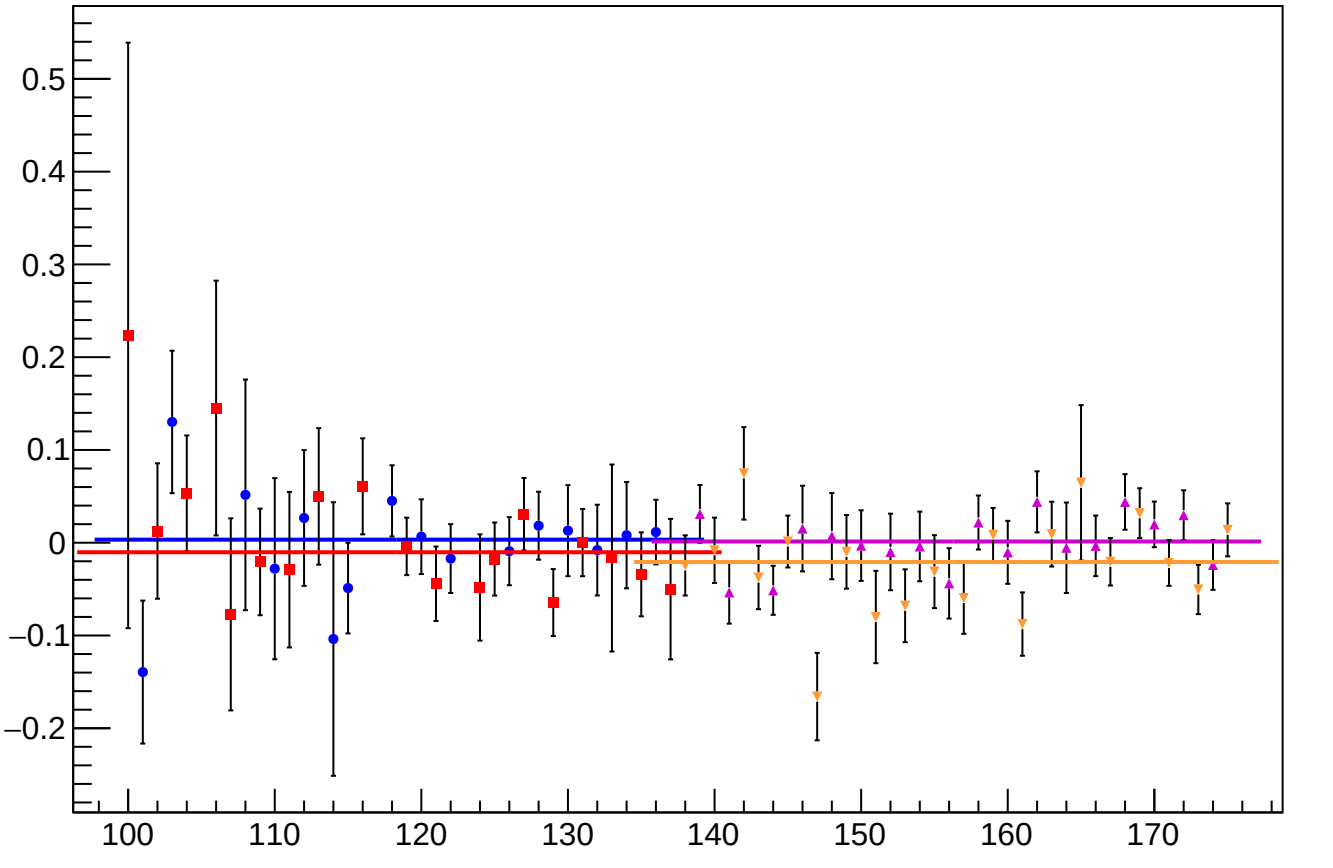
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.707+/-0.005 χ^2/NDF:957464.9/17

+ sign 29.103+/-0.005 χ^2/NDF: 3241744.2/35

All: 29.017+/-0.003 χ^2/NDF: 6054140.8/72

- sign 28.930+/-0.005 χ^2/NDF: 2811665.1/36



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.007 χ^2/NDF:31.4/19

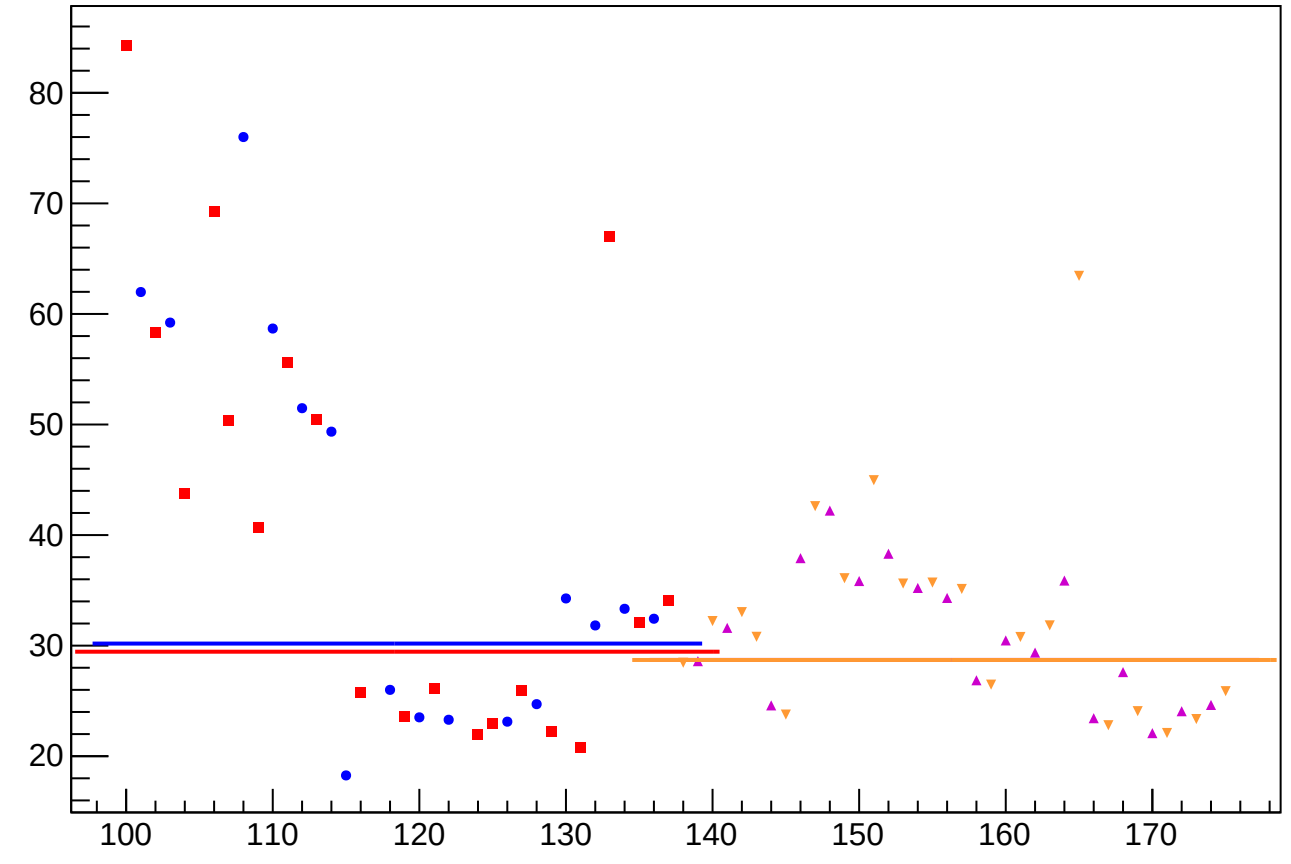
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.001+/-0.008 χ^2/NDF:16.1/17

+ sign -0.014+/-0.006 χ^2/NDF: 44.3/35

All: -0.008+/-0.005 χ^2/NDF: 74.1/72

- sign -0.002+/-0.006 χ^2/NDF: 28.0/36



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.703+/-0.005 χ^2/NDF:1533051.3/19

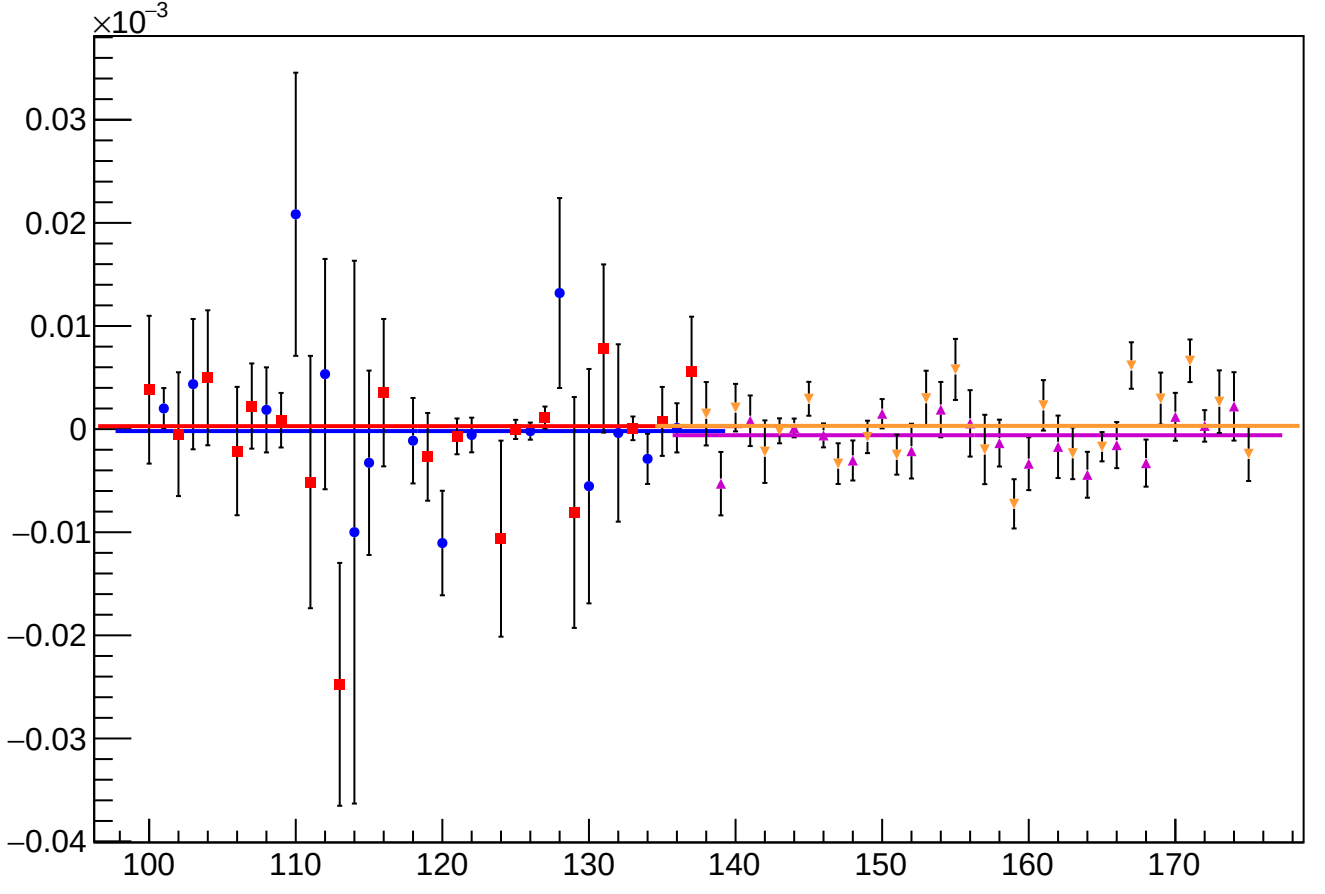
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.707+/-0.005 χ^2/NDF:957464.9/17

+ sign 29.103+/-0.005 χ^2/NDF: 3241744.2/35

All: 29.017+/-0.003 χ^2/NDF: 6054140.8/72

- sign 28.930+/-0.005 χ^2/NDF: 2811665.1/36



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.7/19

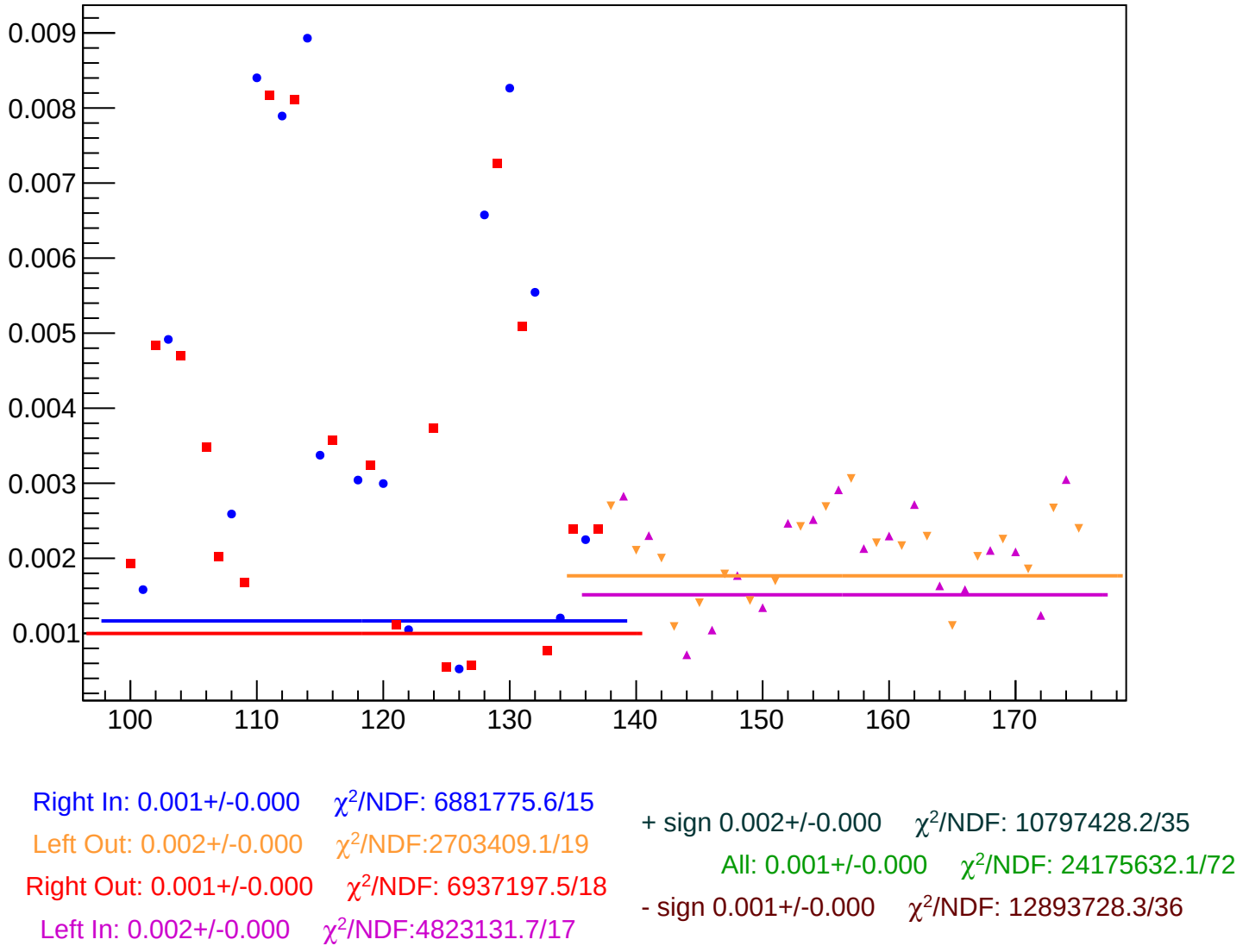
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 61.2/35

All: -0.000+/-0.000 χ^2/NDF: 90.7/72

- sign -0.000+/-0.000 χ^2/NDF: 29.0/36


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
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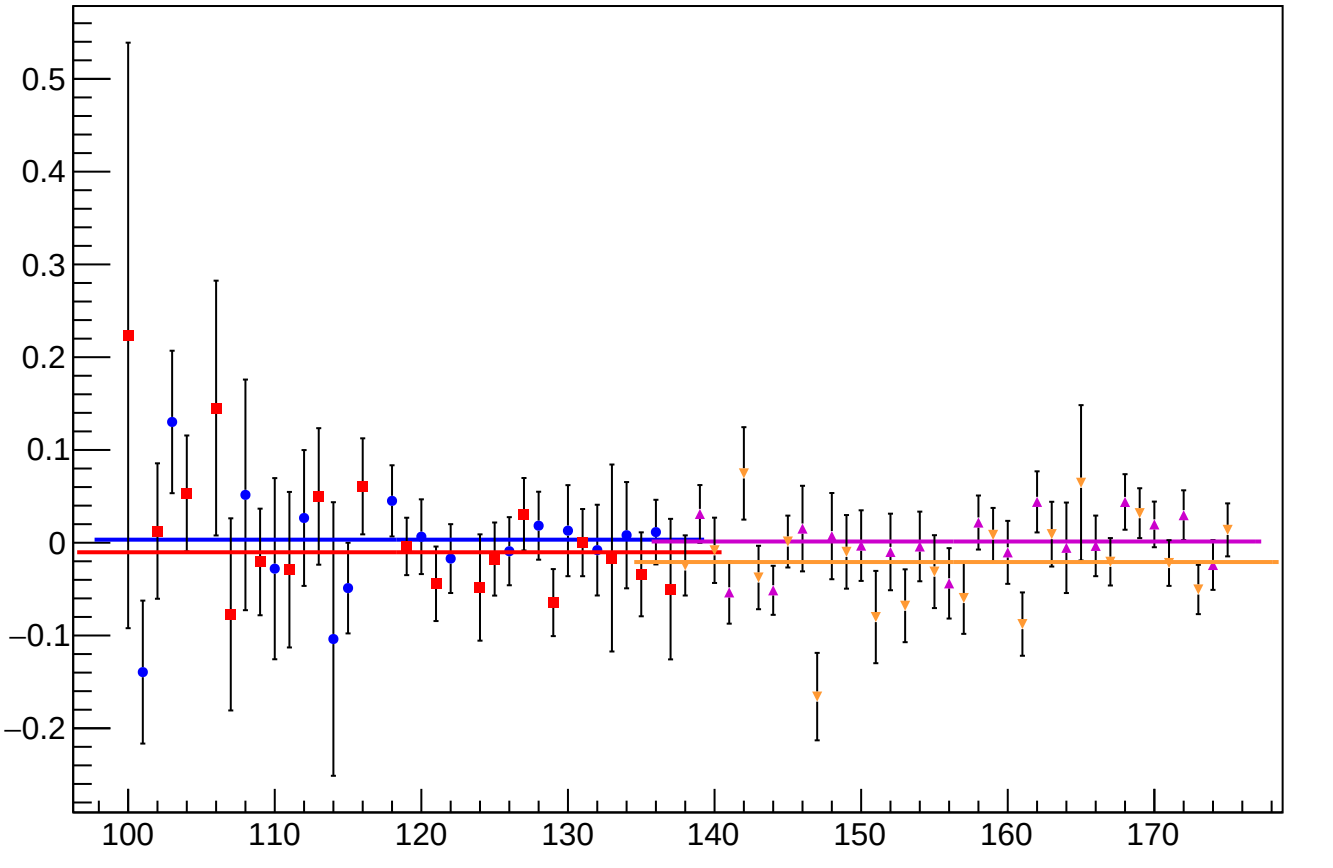
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2703409.1/19
Right Out: 0.001+/-0.000 χ²/NDF: 6937197.5/18
Left In: 0.002+/-0.000 χ²/NDF:4823131.7/17
+ sign 0.002+/-0.000 χ²/NDF: 10797428.2/35
All: 0.001+/-0.000 χ²/NDF: 24175632.1/72
- sign 0.001+/-0.000 χ²/NDF: 12893728.3/36



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.007 χ^2/NDF:31.4/19

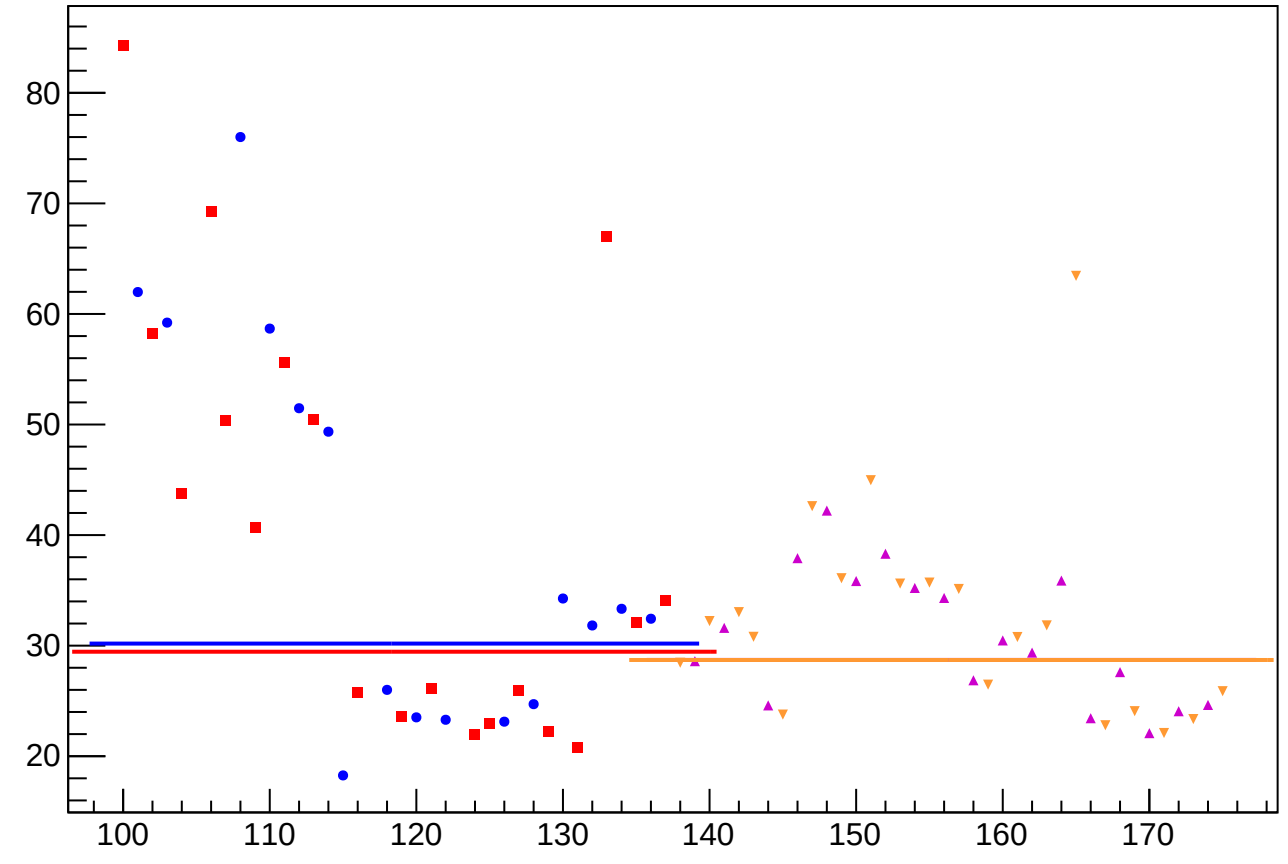
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.001+/-0.008 χ^2/NDF:16.1/17

+ sign -0.014+/-0.006 χ^2/NDF: 44.3/35

All: -0.008+/-0.005 χ^2/NDF: 74.1/72

- sign -0.002+/-0.006 χ^2/NDF: 28.0/36



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.703+/-0.005 χ^2/NDF:1533039.6/19

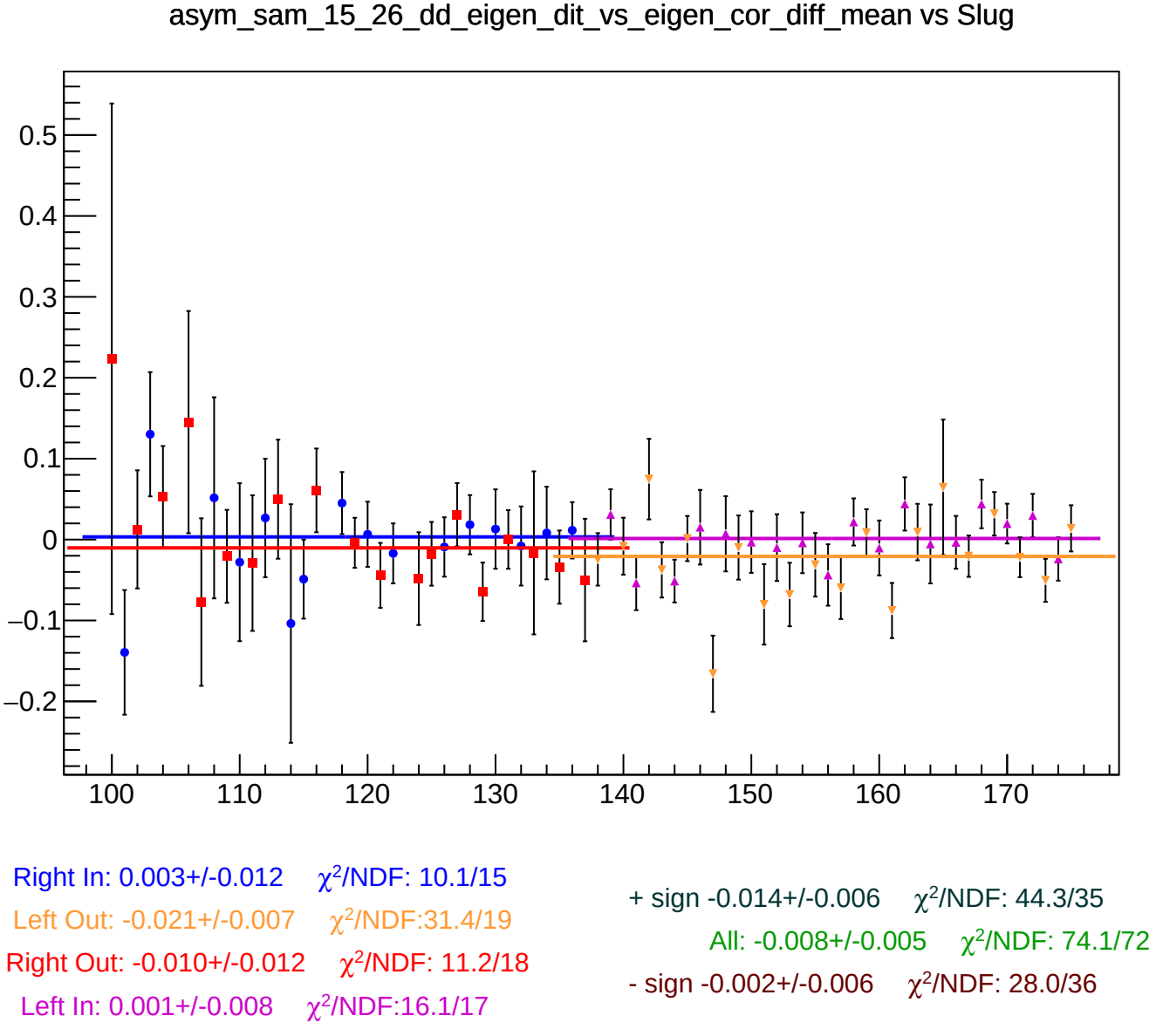
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

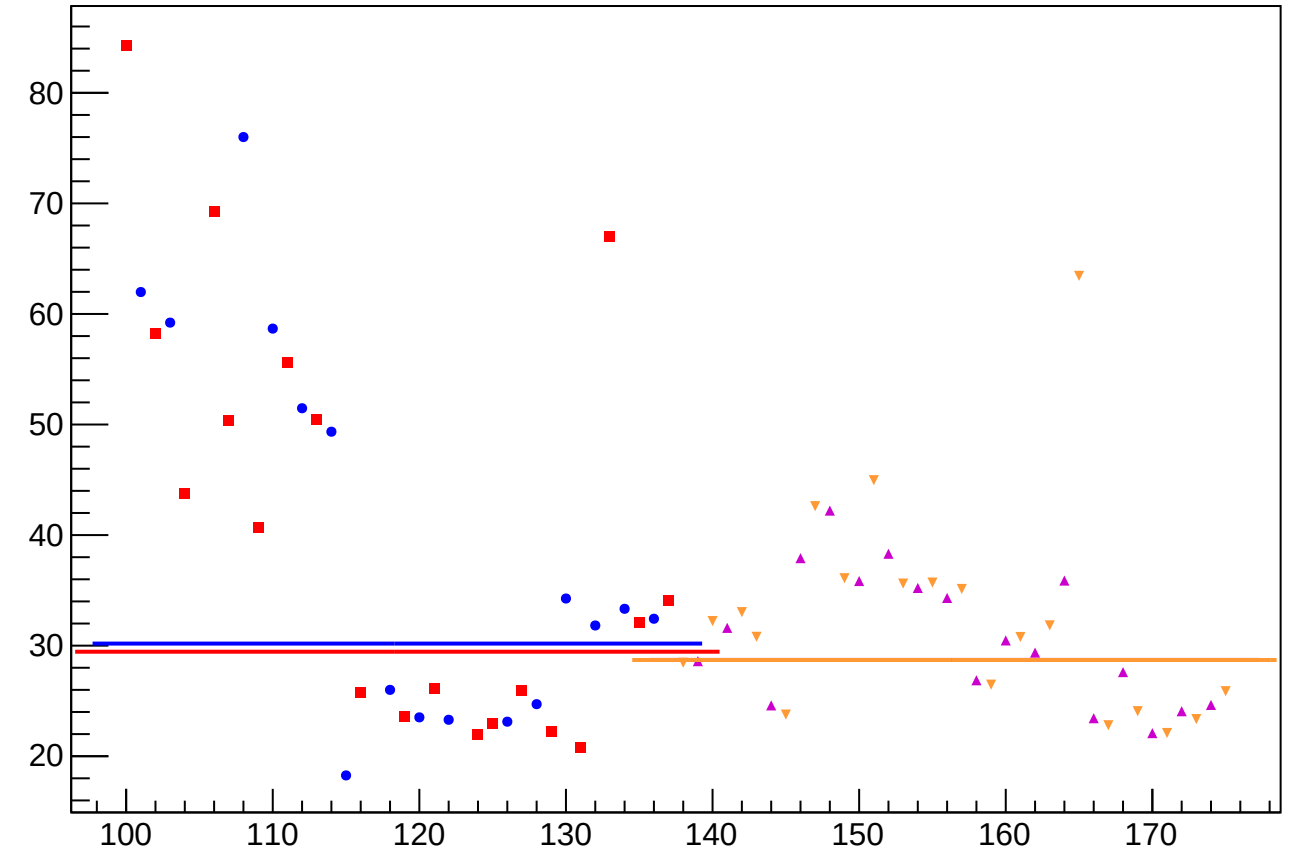
Left In: 28.708+/-0.005 χ^2/NDF:957423.9/17

+ sign 29.103+/-0.005 χ^2/NDF: 3241544.2/35

All: 29.017+/-0.003 χ^2/NDF: 6053883.7/72

- sign 28.930+/-0.005 χ^2/NDF: 2811607.2/36


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.021+/-0.007 χ²/NDF:31.4/19
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.001+/-0.008 χ²/NDF:16.1/17
+ sign -0.014+/-0.006 χ²/NDF: 44.3/35
All: -0.008+/-0.005 χ²/NDF: 74.1/72
- sign -0.002+/-0.006 χ²/NDF: 28.0/36



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.703+/-0.005 χ^2/NDF:1533039.6/19

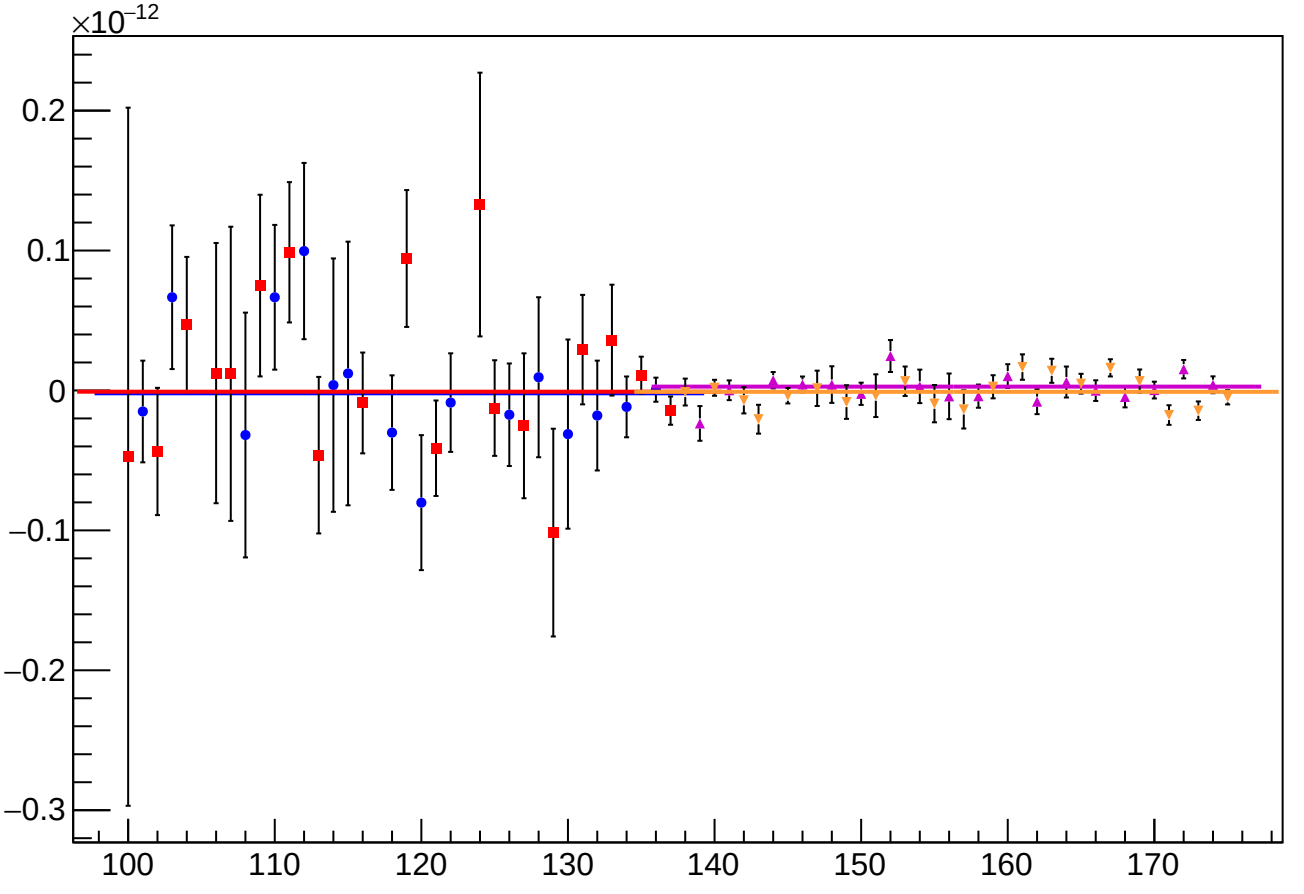
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.708+/-0.005 χ^2/NDF:957423.9/17

+ sign 29.103+/-0.005 χ^2/NDF: 3241544.2/35

All: 29.017+/-0.003 χ^2/NDF: 6053883.7/72

- sign 28.930+/-0.005 χ^2/NDF: 2811607.2/36



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.4/19

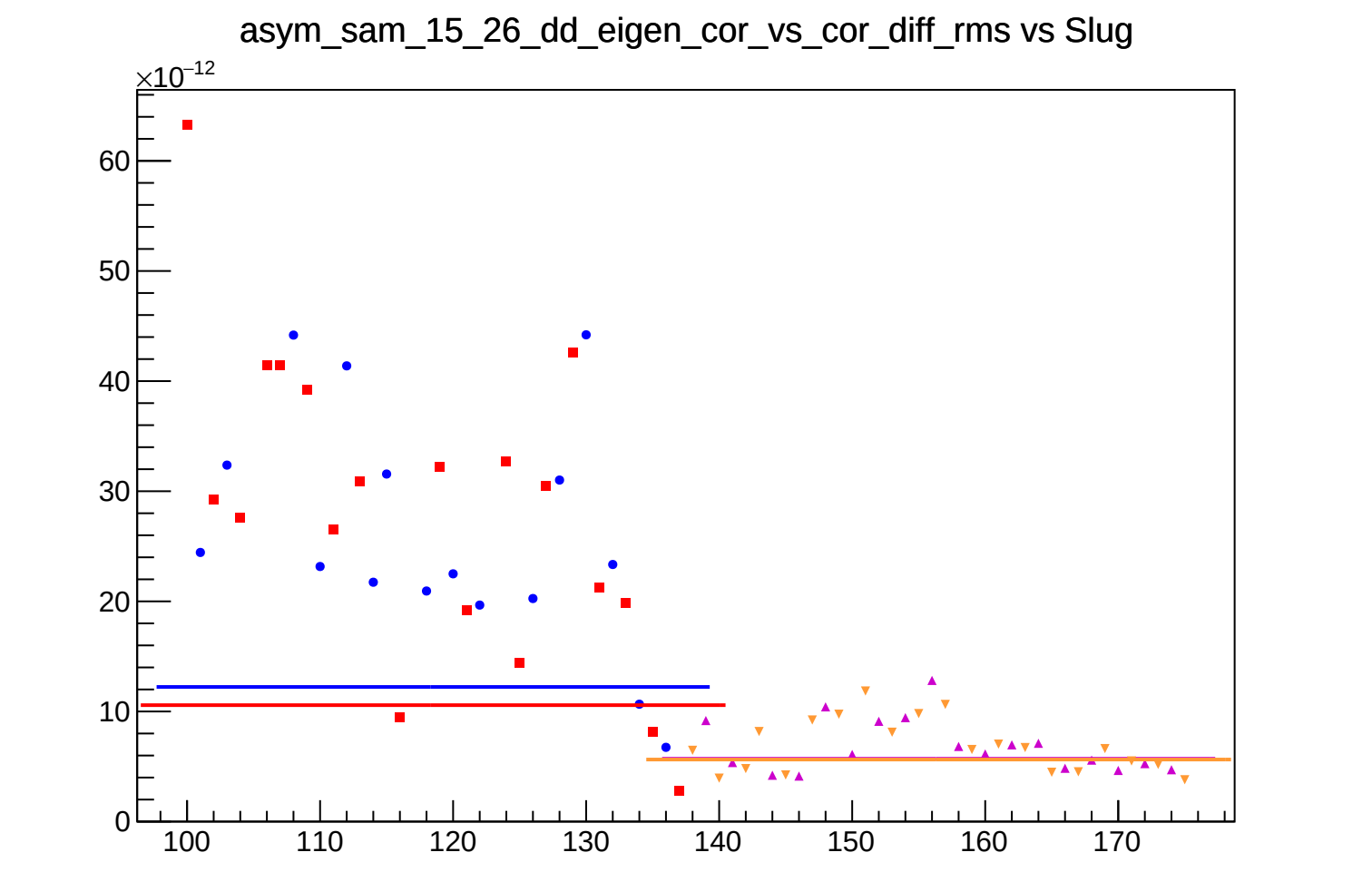
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:17.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 43.8/35

All: 0.000+/-0.000 χ^2/NDF: 85.0/72

- sign 0.000+/-0.000 χ^2/NDF: 39.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2280076.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

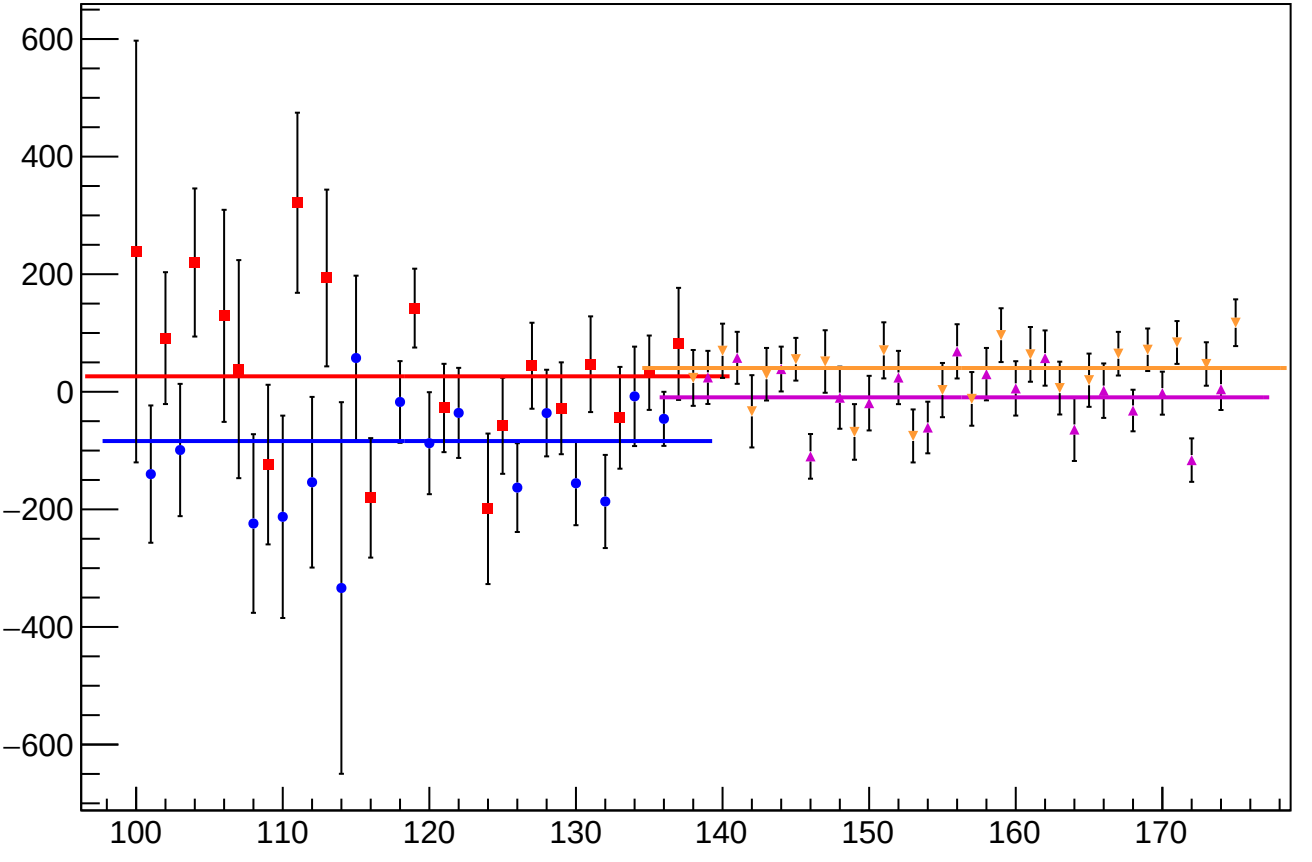
Left In: 0.000+/-0.000 χ^2/NDF:1730776.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 7467258.1/35

All: 0.000+/-0.000 χ^2/NDF: 14958949.7/72

- sign 0.000+/-0.000 χ^2/NDF: 7491691.3/36

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 40.424+/-9.692 χ^2/NDF:25.4/19

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

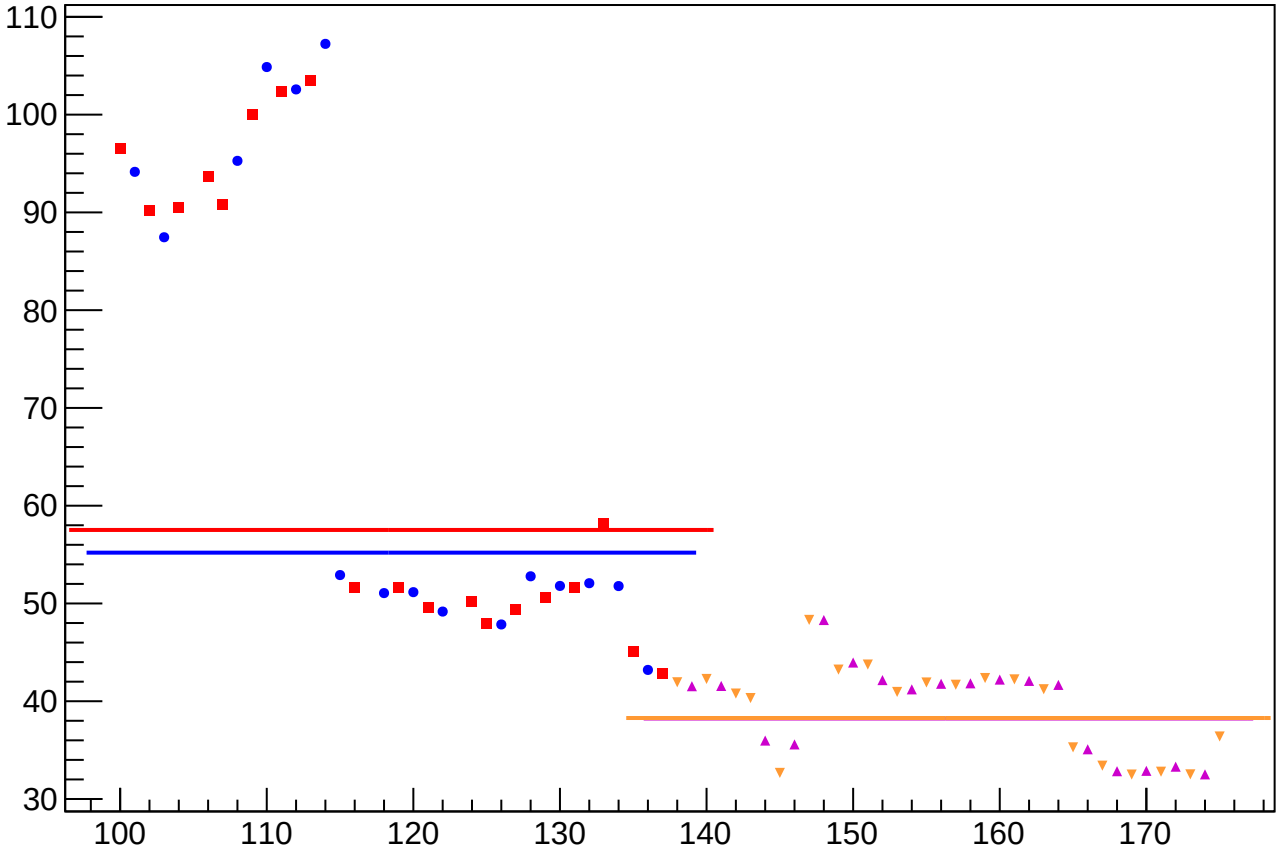
Left In: -9.436+/-10.001 χ^2/NDF:29.2/17

+ sign 19.337+/-8.831 χ^2/NDF: 63.8/35

All: 8.347+/-6.340 χ^2/NDF: 121.4/72

- sign -3.347+/-9.109 χ^2/NDF: 54.4/36

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 38.284+/-0.007 χ^2/NDF:464021.6/19

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

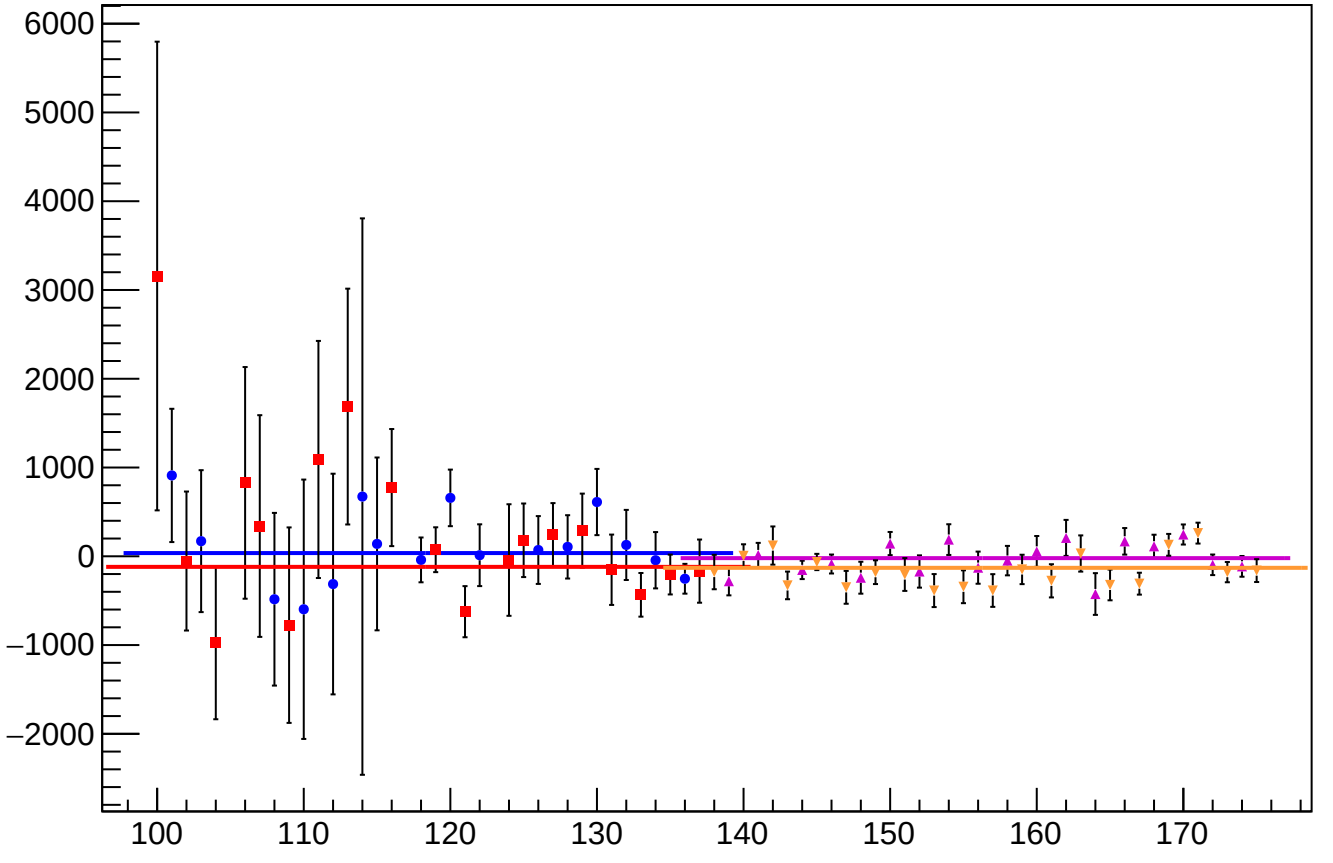
Left In: 38.232+/-0.007 χ^2/NDF:413789.5/17

+ sign 41.155+/-0.006 χ^2/NDF: 2650555.1/35

All: 41.331+/-0.004 χ^2/NDF: 5615285.4/72

- sign 41.518+/-0.006 χ^2/NDF: 2963087.1/36

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -130.018+/-32.725 χ^2/NDF:31.8/19

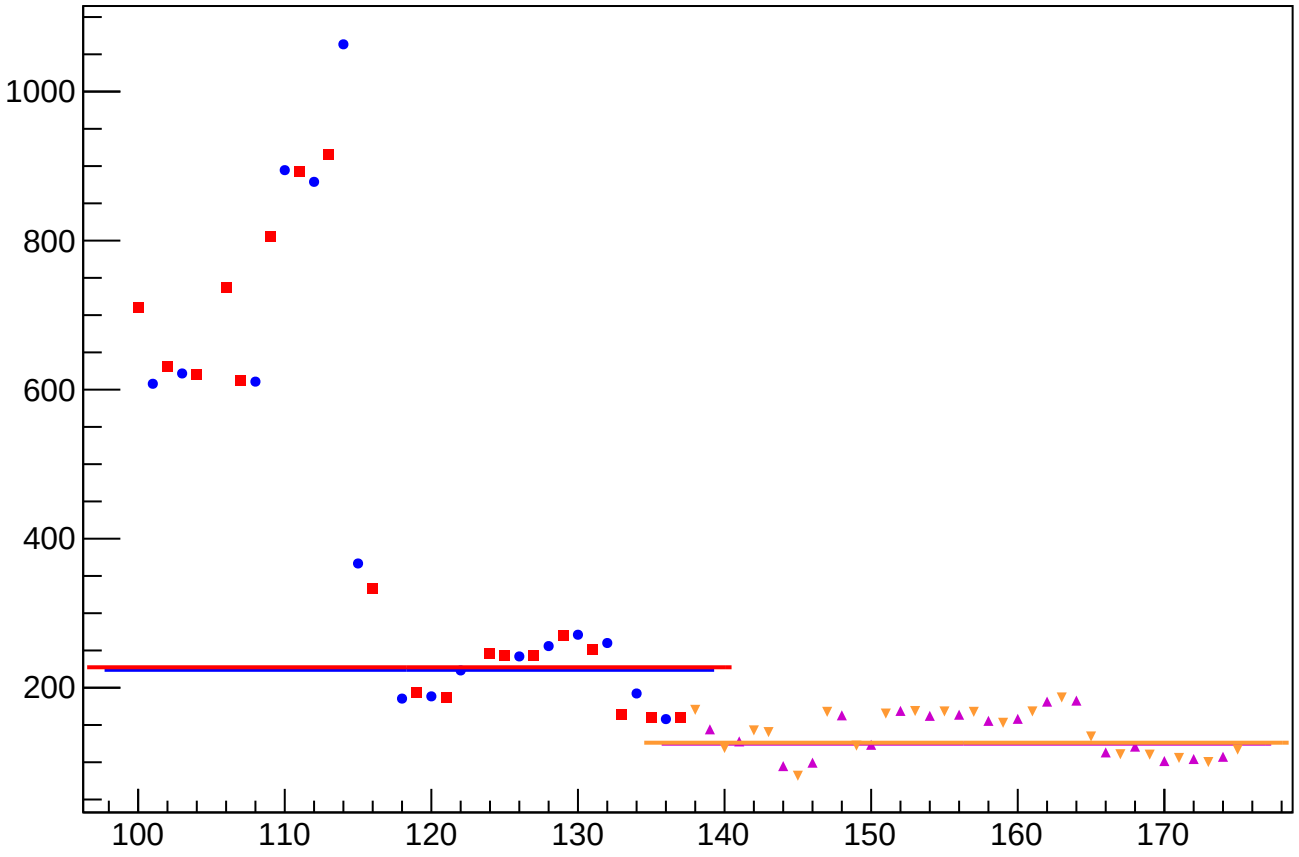
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -20.785+/-33.349 χ^2/NDF:24.0/17

+ sign -111.886+/-30.890 χ^2/NDF: 46.1/35

All: -72.430+/-22.054 χ^2/NDF: 90.3/72

- sign -31.412+/-31.496 χ^2/NDF: 41.0/36



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 126.227+/-0.023 χ^2/NDF:1681042.9/19

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

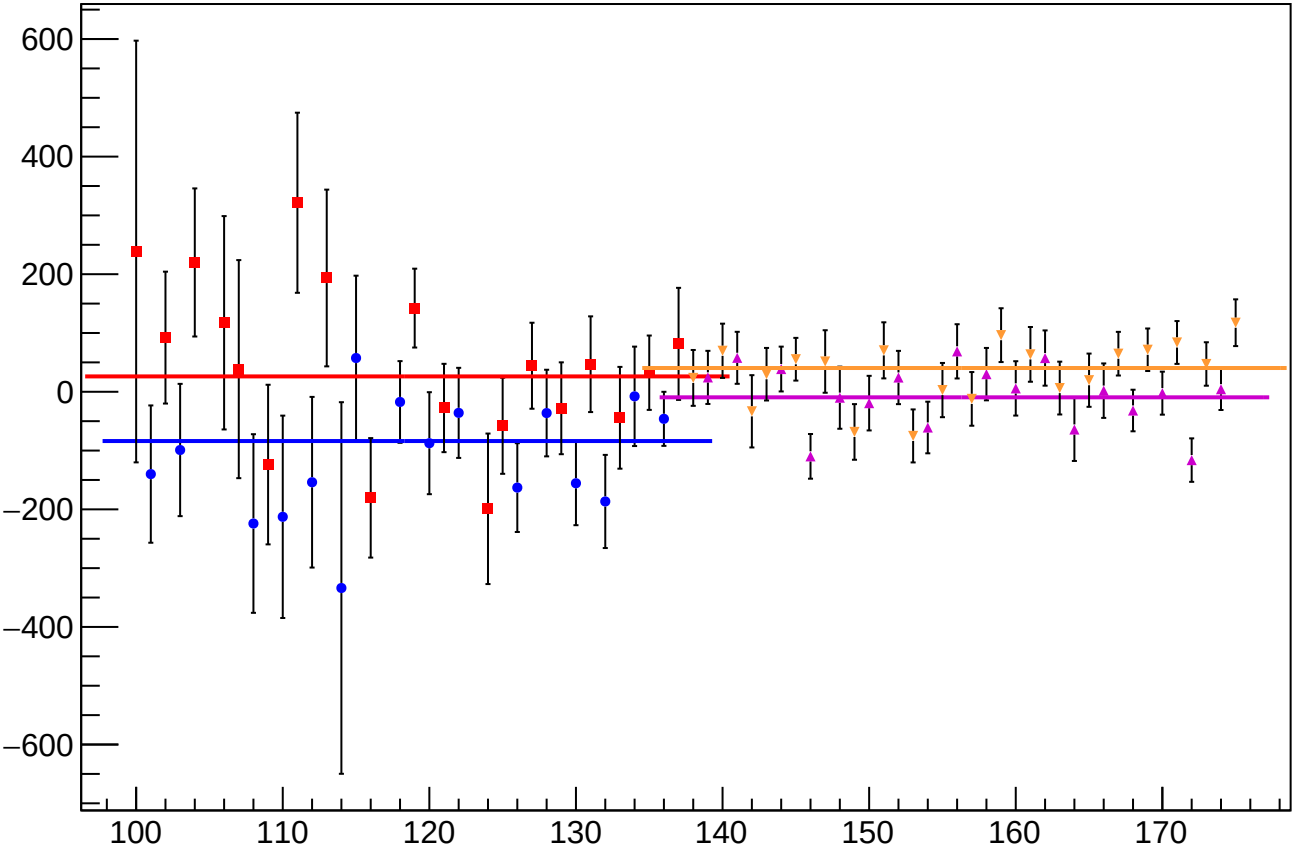
Left In: 124.910+/-0.024 χ^2/NDF:1330114.1/17

+ sign 136.889+/-0.022 χ^2/NDF: 6596716.1/35

All: 136.446+/-0.016 χ^2/NDF: 13610747.1/72

- sign 135.986+/-0.022 χ^2/NDF: 7013191.7/36

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 40.425+/-9.692 χ^2/NDF:25.4/19

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

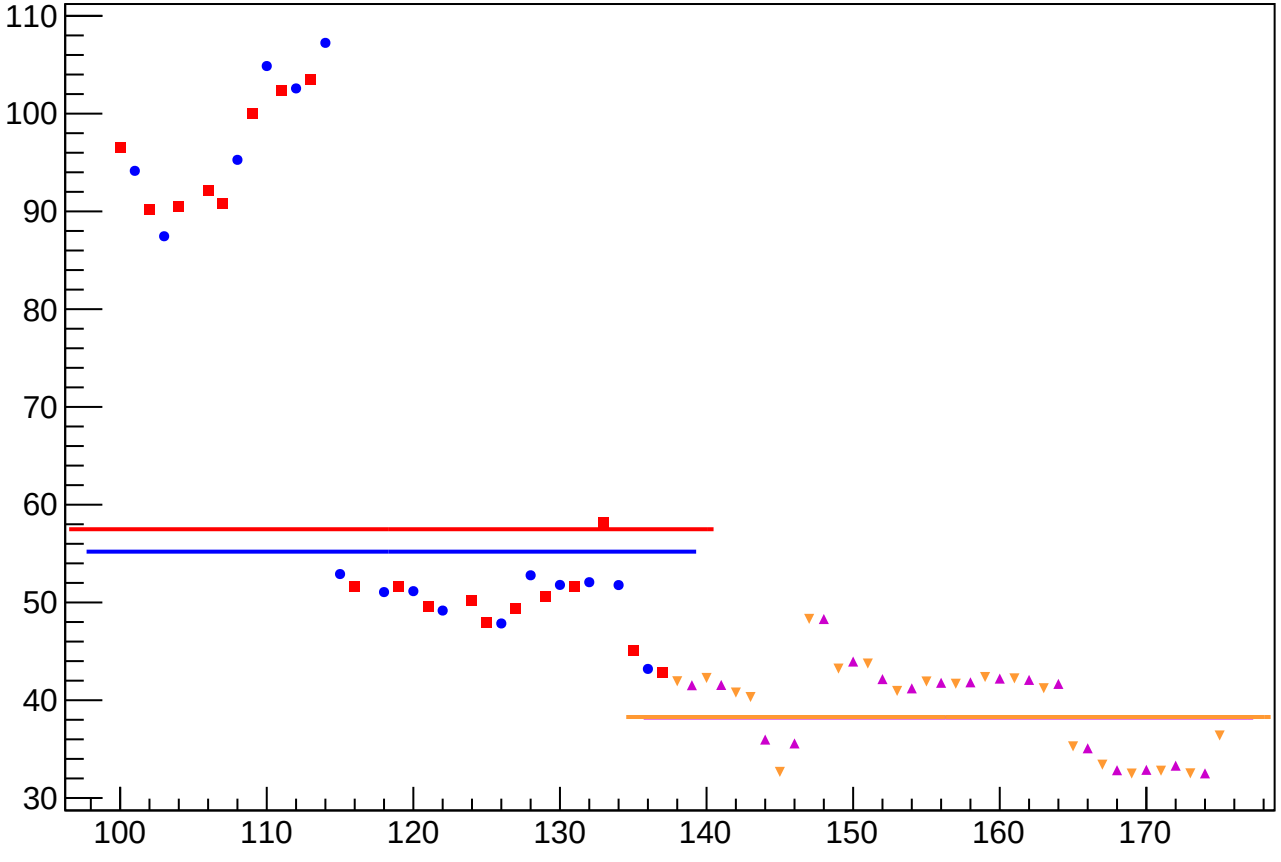
Left In: -9.435+/-10.001 χ^2/NDF:29.2/17

+ sign 19.339+/-8.831 χ^2/NDF: 63.8/35

All: 8.334+/-6.340 χ^2/NDF: 121.3/72

- sign -3.374+/-9.109 χ^2/NDF: 54.3/36

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.284+/-0.007 χ^2/NDF:464021.6/19

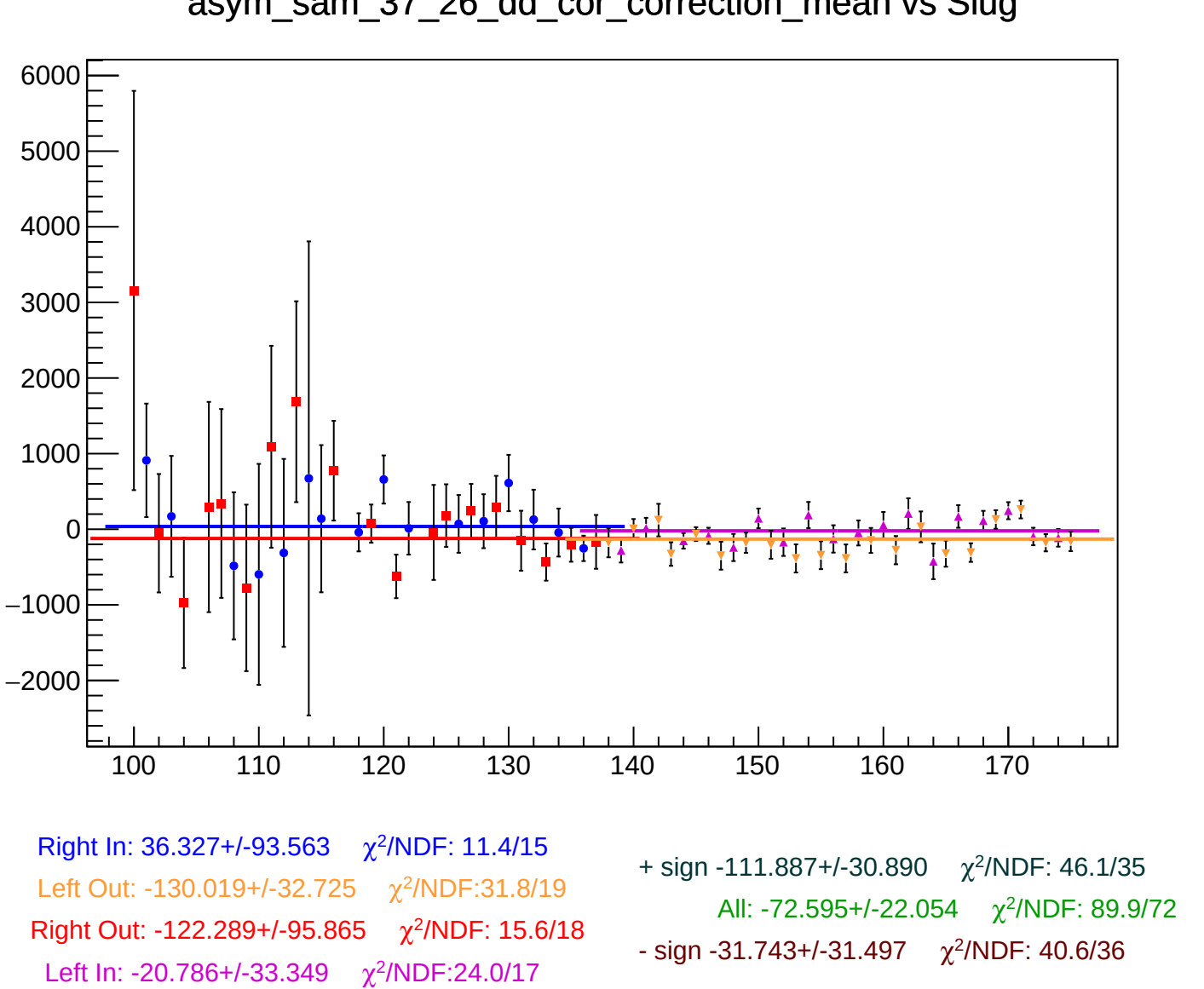
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.232+/-0.007 χ^2/NDF:413789.5/17

+ sign 41.155+/-0.006 χ^2/NDF: 2650555.4/35

All: 41.328+/-0.004 χ^2/NDF: 5603837.3/72

- sign 41.513+/-0.006 χ^2/NDF: 2951687.6/36


asym_sam_37_26_dd_cor_correction_mean vs Slug
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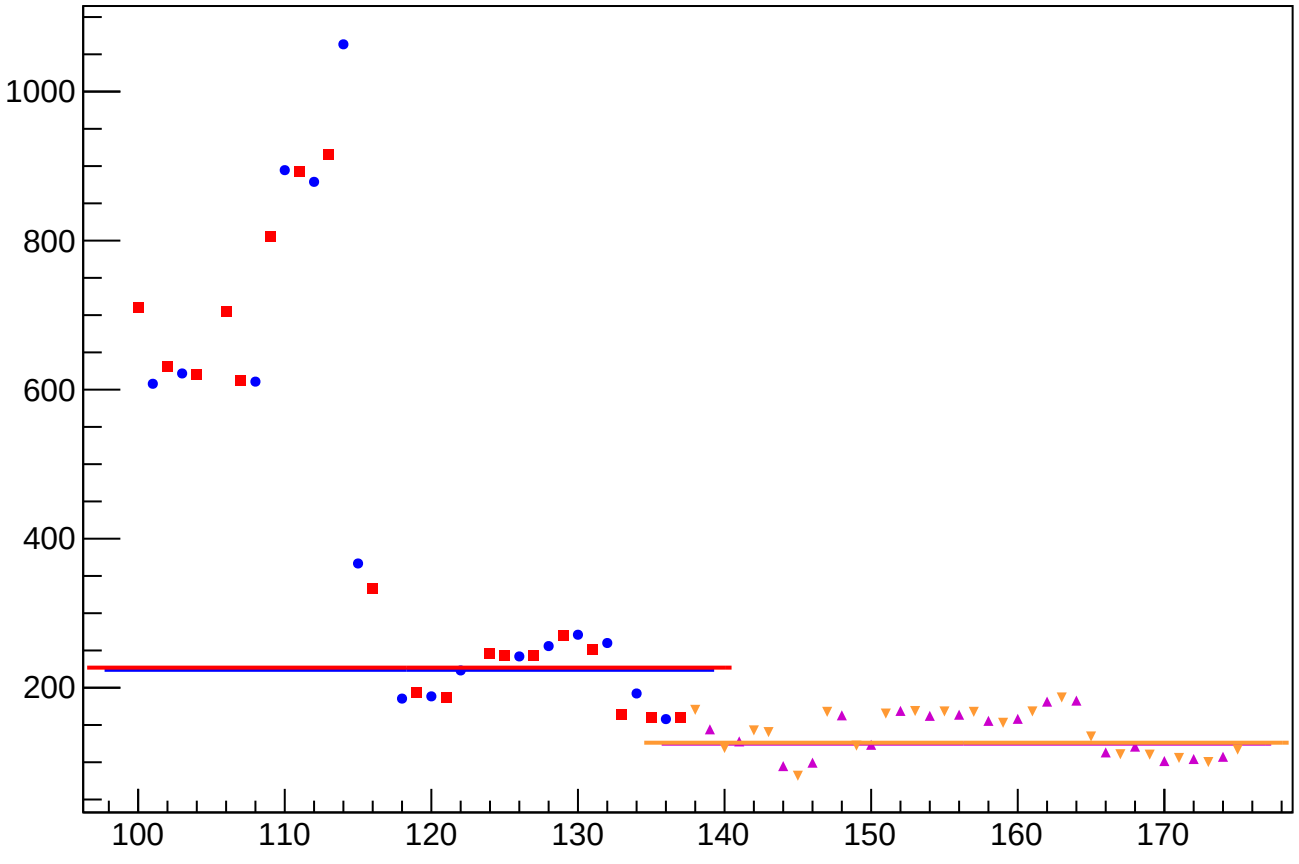
−1000
−2000
100
110
120
130
140
150
160
170
Right In: 36.327+/-93.563 χ²/NDF: 11.4/15
Left Out: -130.019+/-32.725 χ²/NDF:31.8/19
Right Out: -122.289+/-95.865 χ²/NDF: 15.6/18
Left In: -20.786+/-33.349 χ²/NDF:24.0/17
+ sign -111.887+/-30.890 χ²/NDF: 46.1/35
All: -72.595+/-22.054 χ²/NDF: 89.9/72
- sign -31.743+/-31.497 χ²/NDF: 40.6/36



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.227+/-0.023 χ^2/NDF:1681041.6/19

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

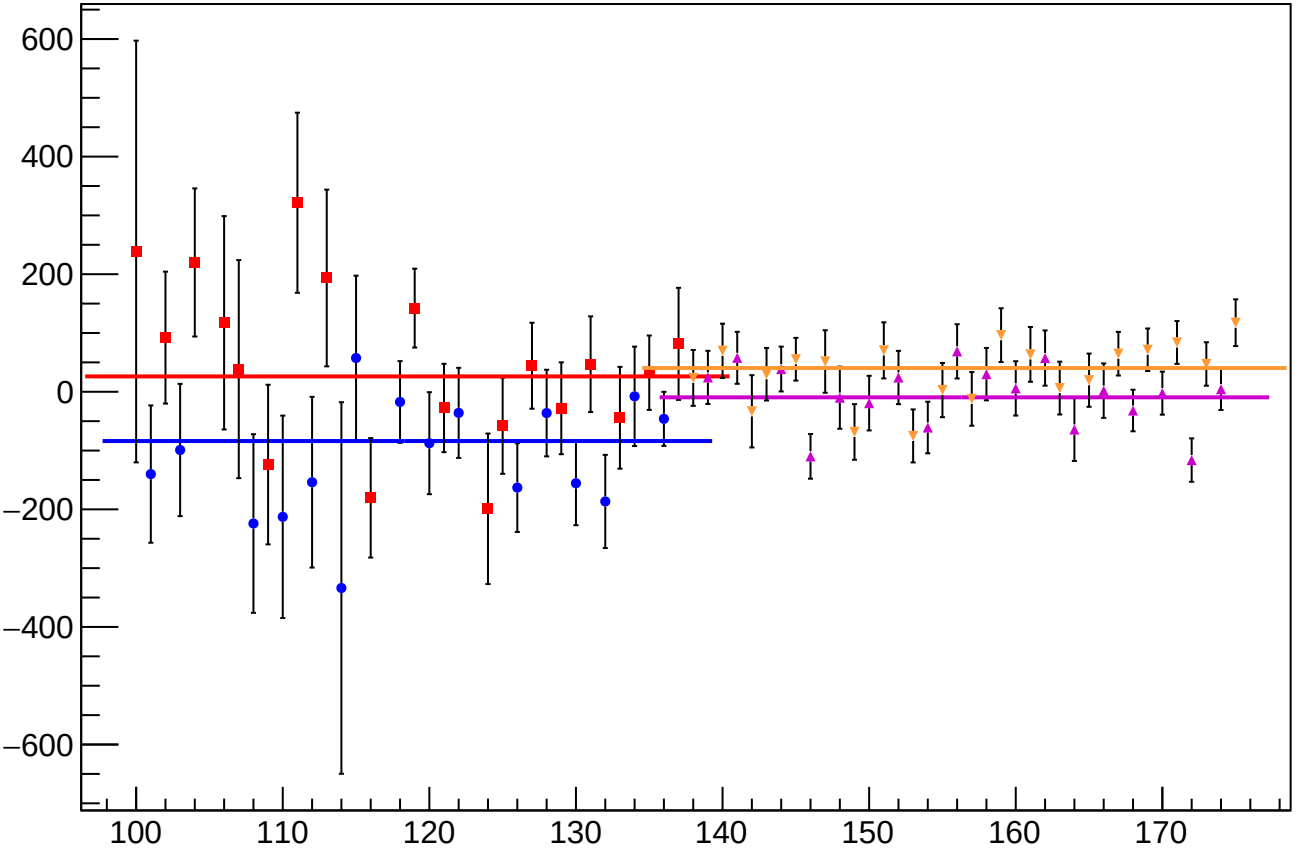
Left In: 124.910+/-0.024 χ^2/NDF:1330123.5/17

+ sign 136.889+/-0.022 χ^2/NDF: 6596720.7/35

All: 136.418+/-0.016 χ^2/NDF: 13521940.6/72

- sign 135.927+/-0.022 χ^2/NDF: 6924268.6/36

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 40.425+/-9.692 χ^2/NDF:25.4/19

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

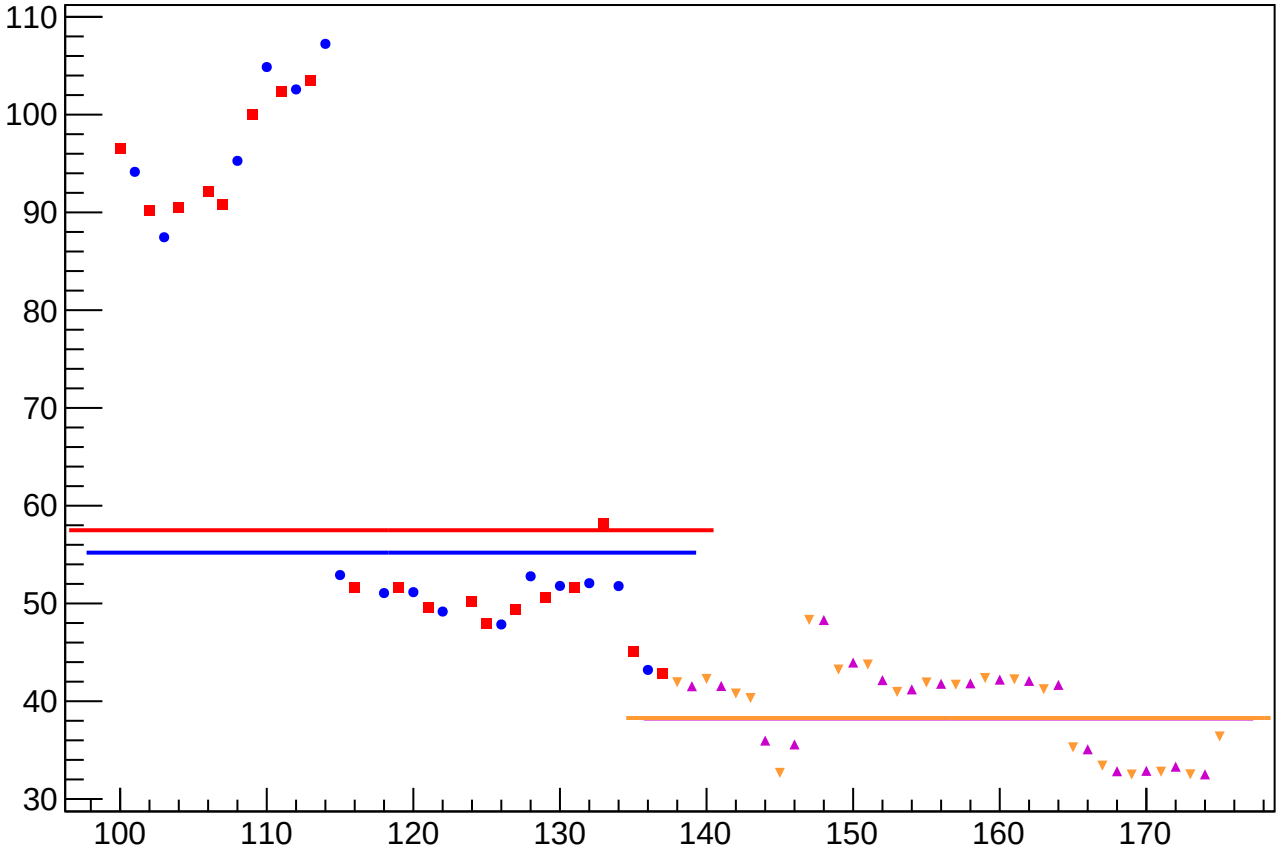
Left In: -9.435+/-10.001 χ^2/NDF:29.2/17

+ sign 19.339+/-8.831 χ^2/NDF: 63.8/35

All: 8.334+/-6.340 χ^2/NDF: 121.3/72

- sign -3.374+/-9.109 χ^2/NDF: 54.3/36

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.284+/-0.007 χ^2/NDF:464021.6/19

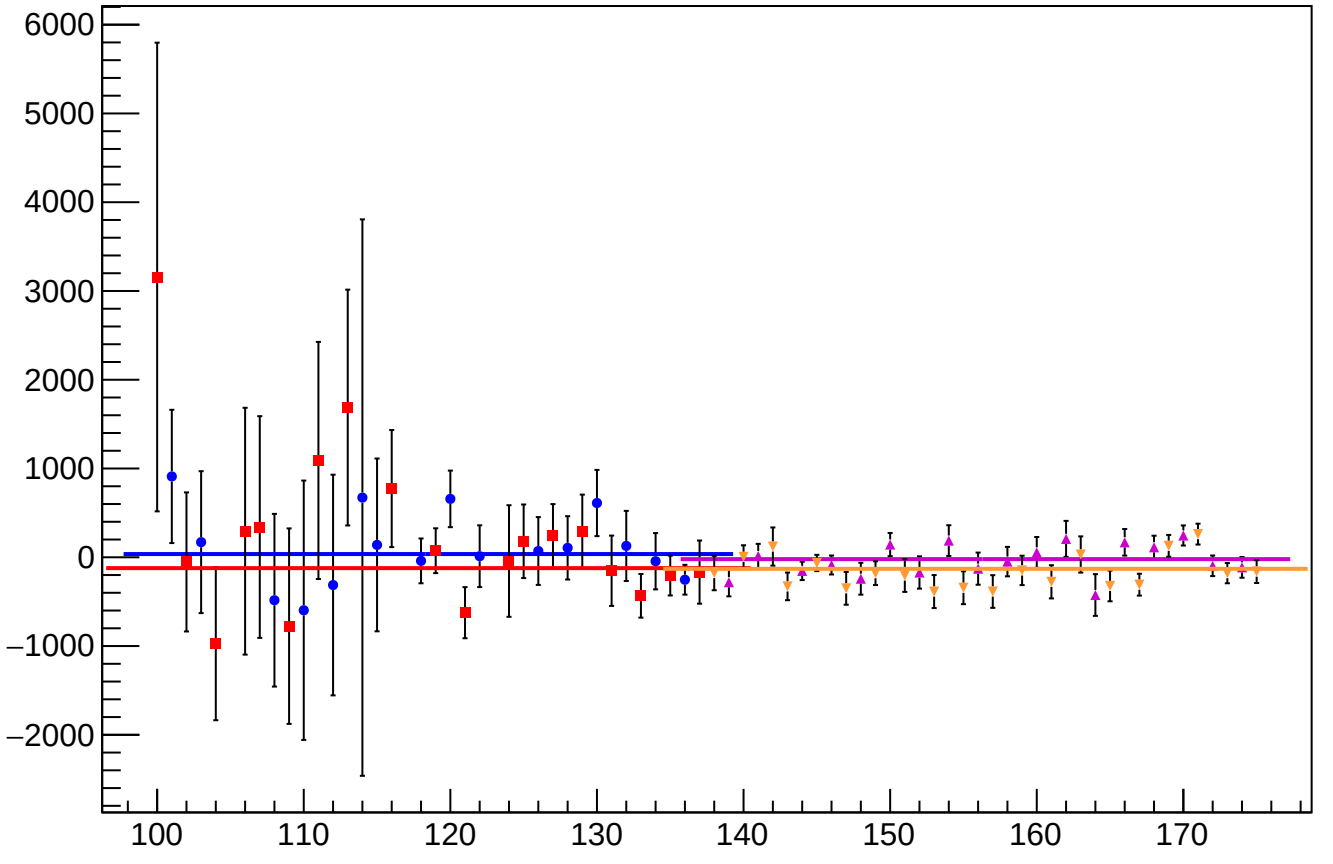
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.232+/-0.007 χ^2/NDF:413789.5/17

+ sign 41.155+/-0.006 χ^2/NDF: 2650555.4/35

All: 41.328+/-0.004 χ^2/NDF: 5603837.3/72

- sign 41.513+/-0.006 χ^2/NDF: 2951687.6/36



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -130.019+/-32.725 χ^2/NDF:31.8/19

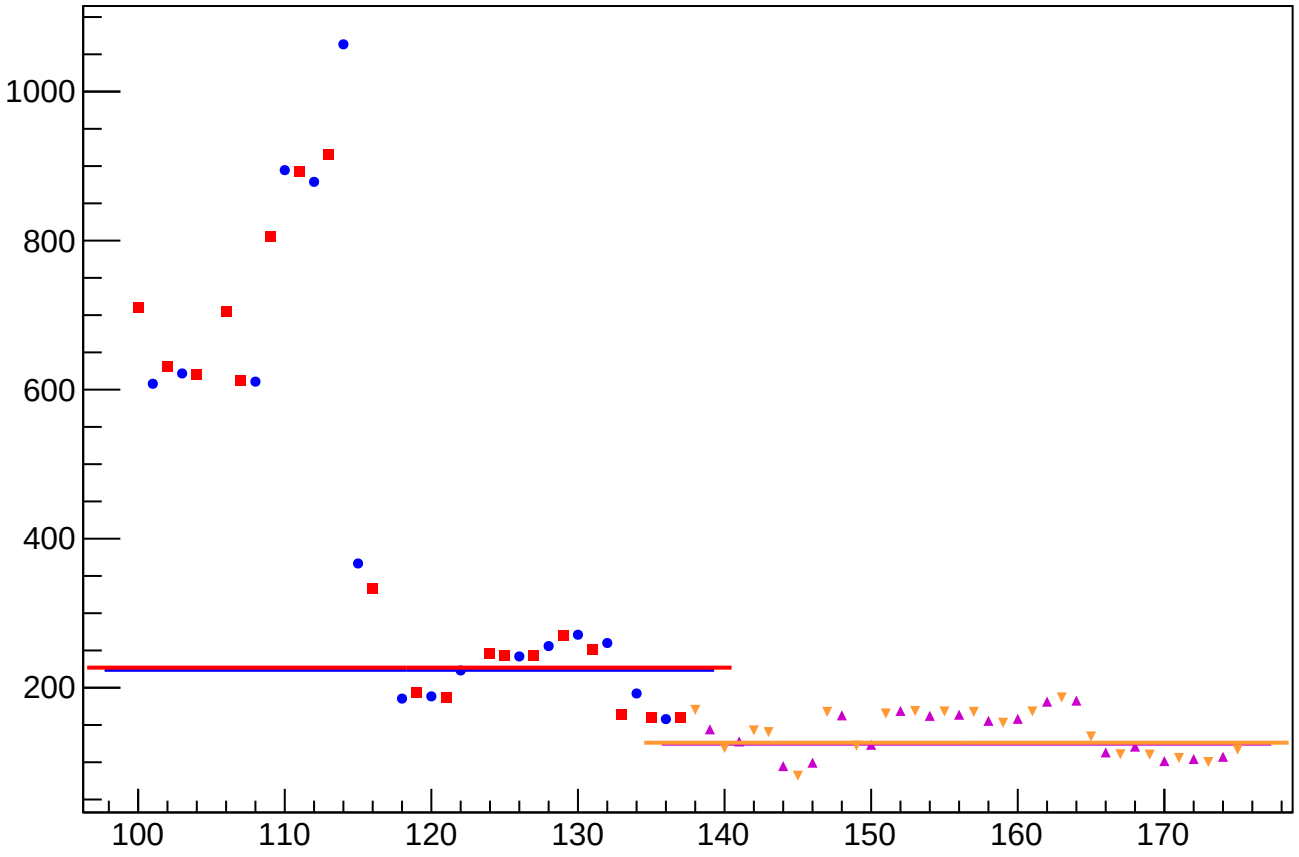
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -20.786+/-33.349 χ^2/NDF:24.0/17

+ sign -111.887+/-30.890 χ^2/NDF: 46.1/35

All: -72.595+/-22.054 χ^2/NDF: 89.9/72

- sign -31.743+/-31.497 χ^2/NDF: 40.6/36



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.227+/-0.023 χ^2/NDF:1681041.6/19

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

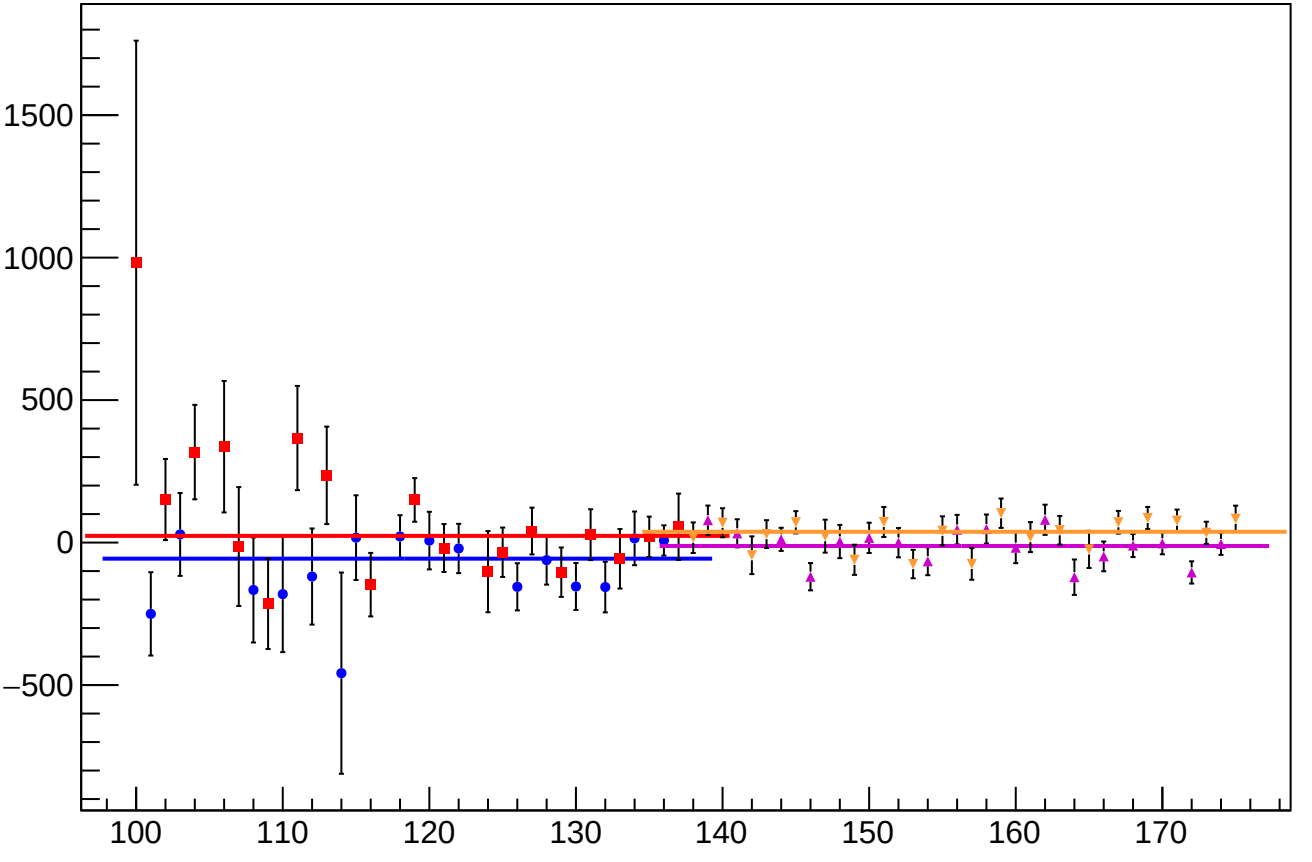
Left In: 124.910+/-0.024 χ^2/NDF:1330123.5/17

+ sign 136.889+/-0.022 χ^2/NDF: 6596720.7/35

All: 136.418+/-0.016 χ^2/NDF: 13521940.6/72

- sign 135.927+/-0.022 χ^2/NDF: 6924268.6/36

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 37.873+/-10.775 χ^2/NDF:22.9/19

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

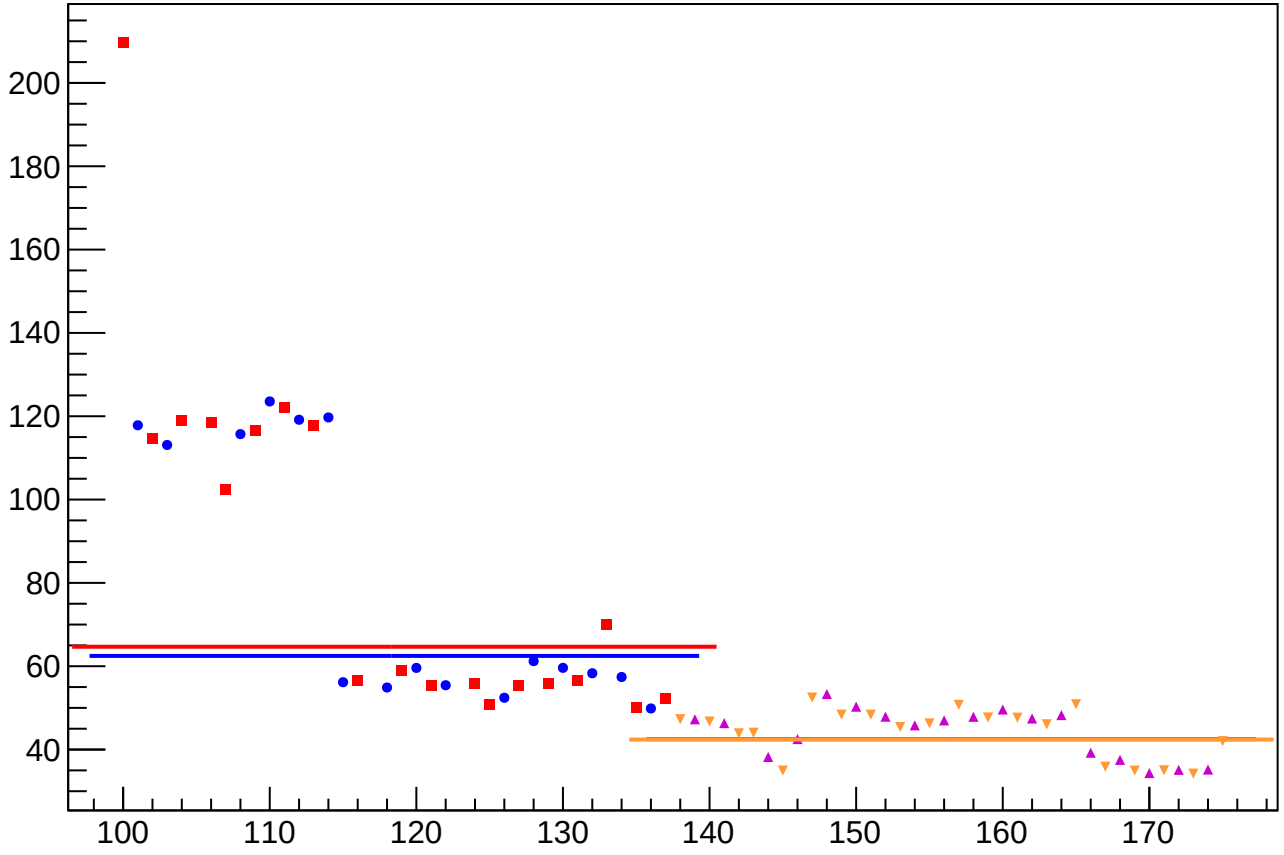
Left In: -11.935+/-11.187 χ^2/NDF:25.9/17

+ sign 22.581+/-9.862 χ^2/NDF: 47.6/35

All: 8.760+/-7.098 χ^2/NDF: 103.3/72

- sign -6.087+/-10.222 χ^2/NDF: 51.6/36

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 42.403+/-0.008 χ^2/NDF:656057.2/19

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

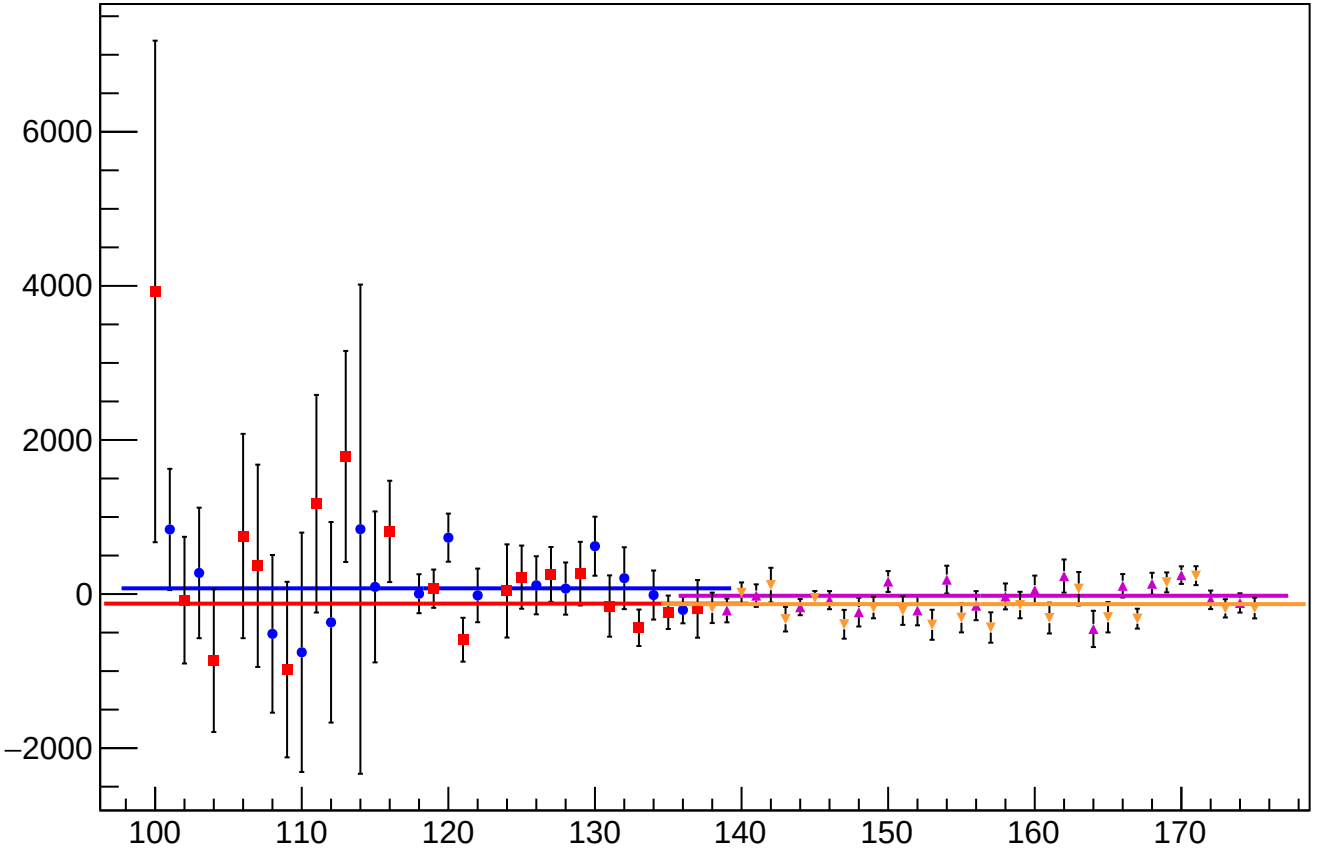
Left In: 42.493+/-0.008 χ^2/NDF:573925.4/17

+ sign 45.658+/-0.007 χ^2/NDF: 3129880.7/35

All: 45.898+/-0.005 χ^2/NDF: 6595288.5/72

- sign 46.155+/-0.007 χ^2/NDF: 3462964.3/36

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -130.498+/-33.937 χ^2/NDF:30.8/19

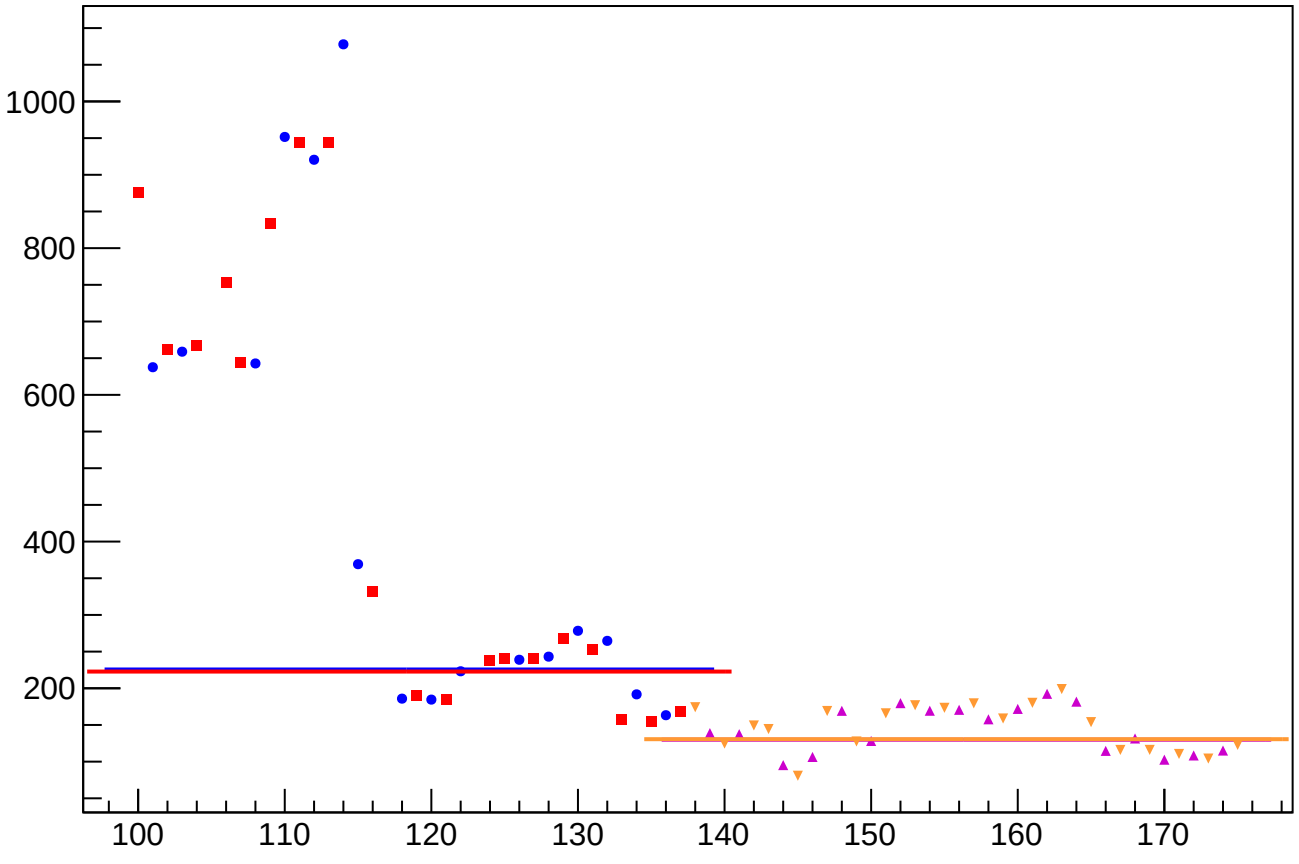
Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: -22.053+/-34.780 χ^2/NDF:22.8/17

+ sign -107.101+/-31.939 χ^2/NDF: 46.1/35

All: -71.450+/-22.830 χ^2/NDF: 88.8/72

- sign -34.202+/-32.647 χ^2/NDF: 40.1/36



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 130.610+/-0.024 χ^2/NDF:1849627.6/19

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

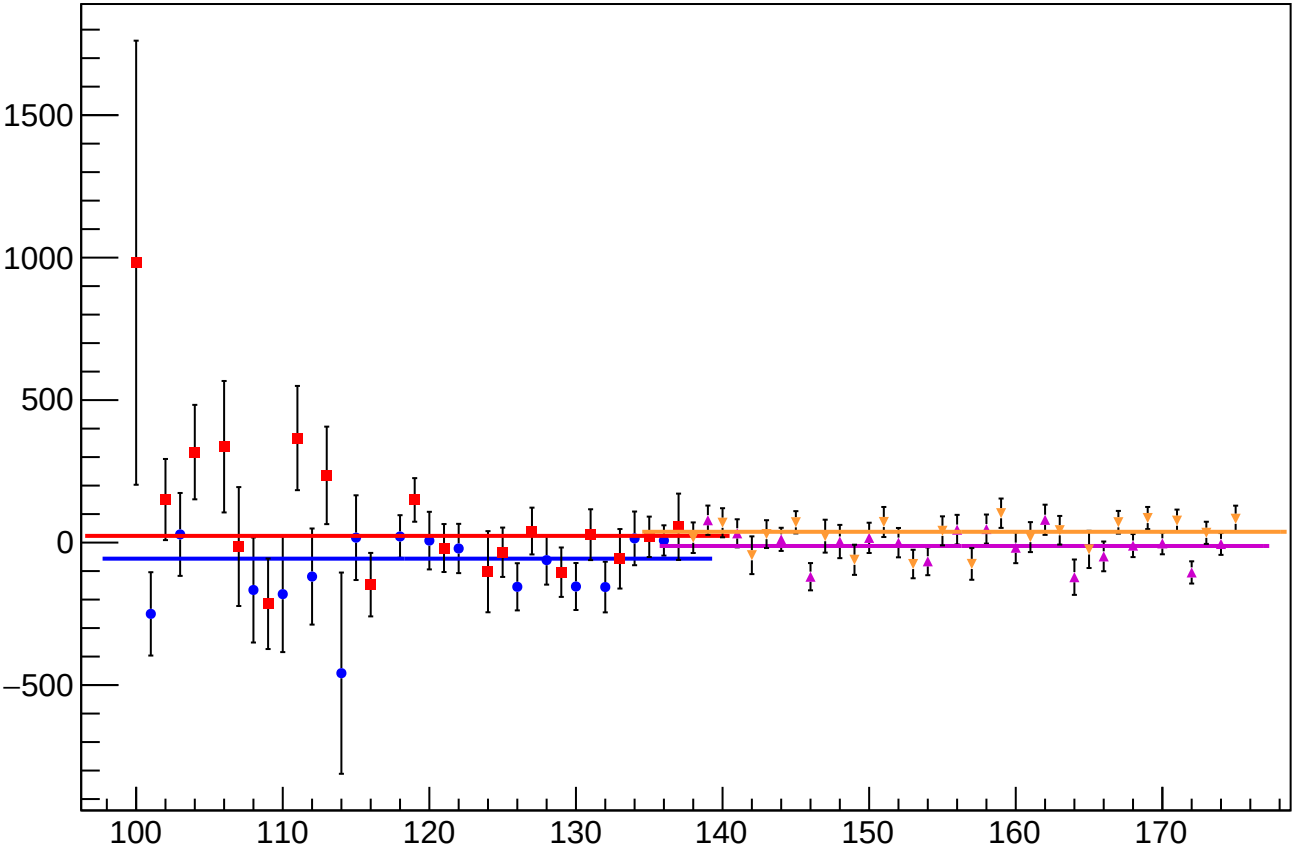
Left In: 129.869+/-0.025 χ^2/NDF:1368359.2/17

+ sign 141.464+/-0.023 χ^2/NDF: 6666378.7/35

All: 141.198+/-0.016 χ^2/NDF: 13580839.4/72

- sign 140.919+/-0.023 χ^2/NDF: 6914176.1/36

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 37.874+/-10.775 χ^2/NDF:22.9/19

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

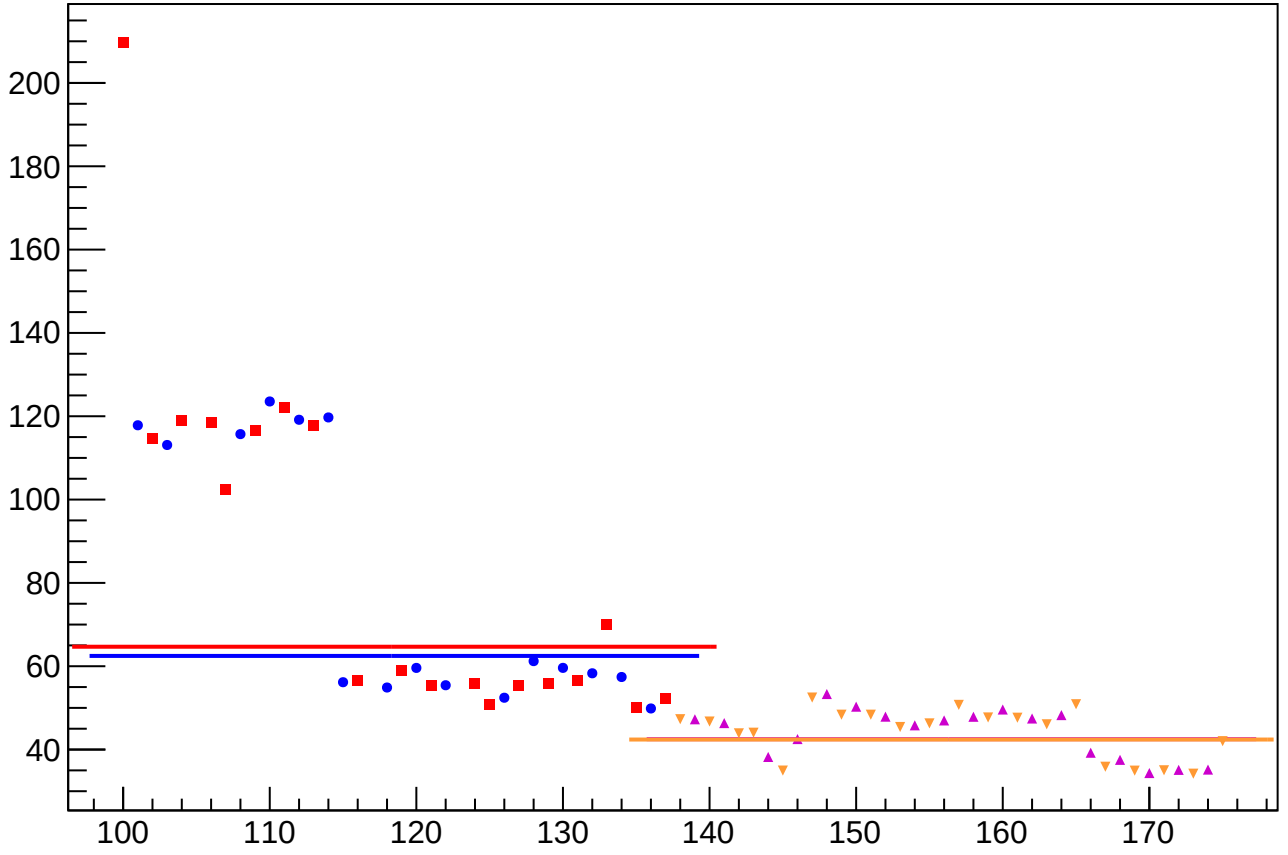
Left In: -11.935+/-11.187 χ^2/NDF:25.9/17

+ sign 22.581+/-9.862 χ^2/NDF: 47.6/35

All: 8.761+/-7.098 χ^2/NDF: 103.3/72

- sign -6.087+/-10.222 χ^2/NDF: 51.6/36

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.403+/-0.008 χ^2/NDF:656070.1/19

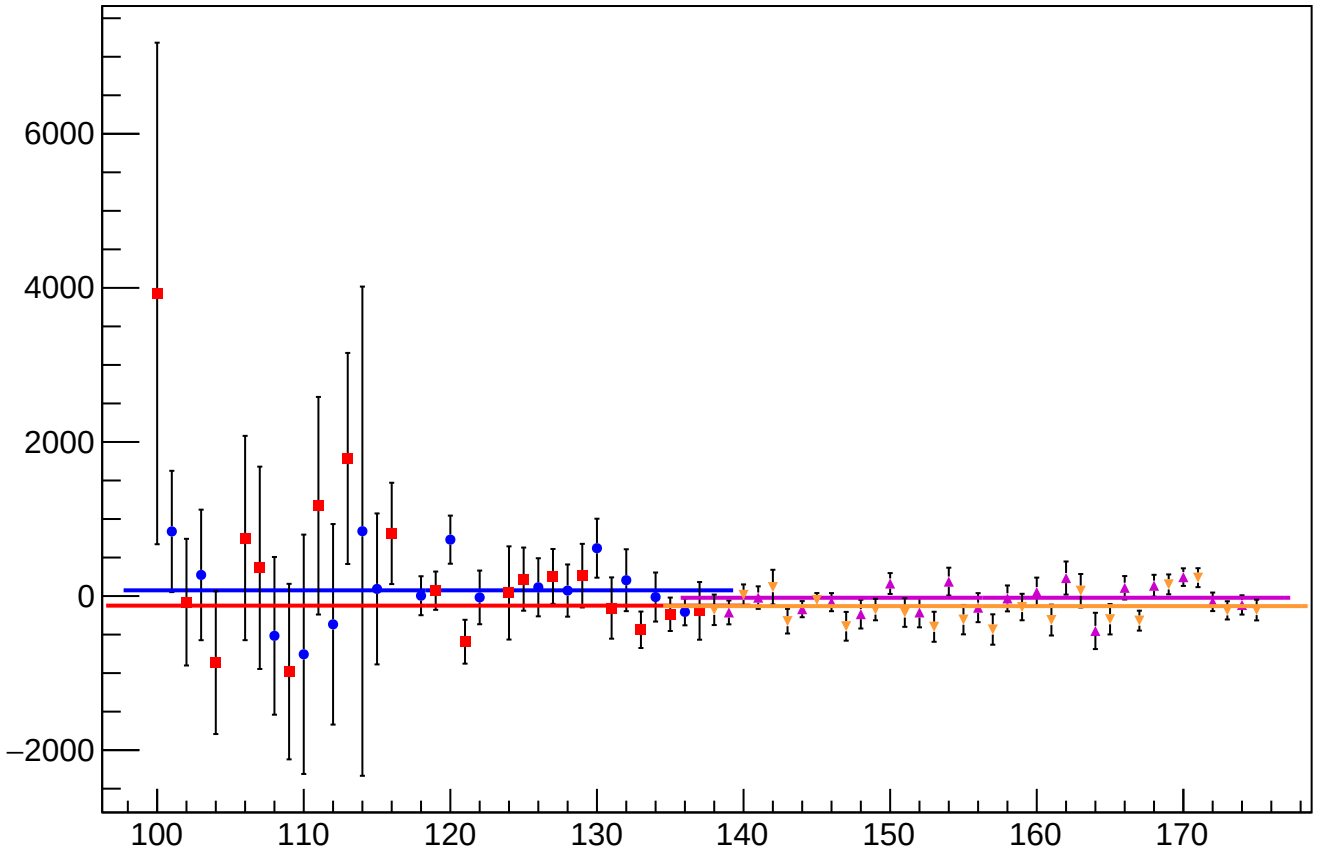
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.493+/-0.008 χ^2/NDF:573927.7/17

+ sign 45.658+/-0.007 χ^2/NDF: 3129826.7/35

All: 45.898+/-0.005 χ^2/NDF: 6595184.2/72

- sign 46.155+/-0.007 χ^2/NDF: 3462913.4/36



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -130.498+/-33.937 χ^2/NDF:30.8/19

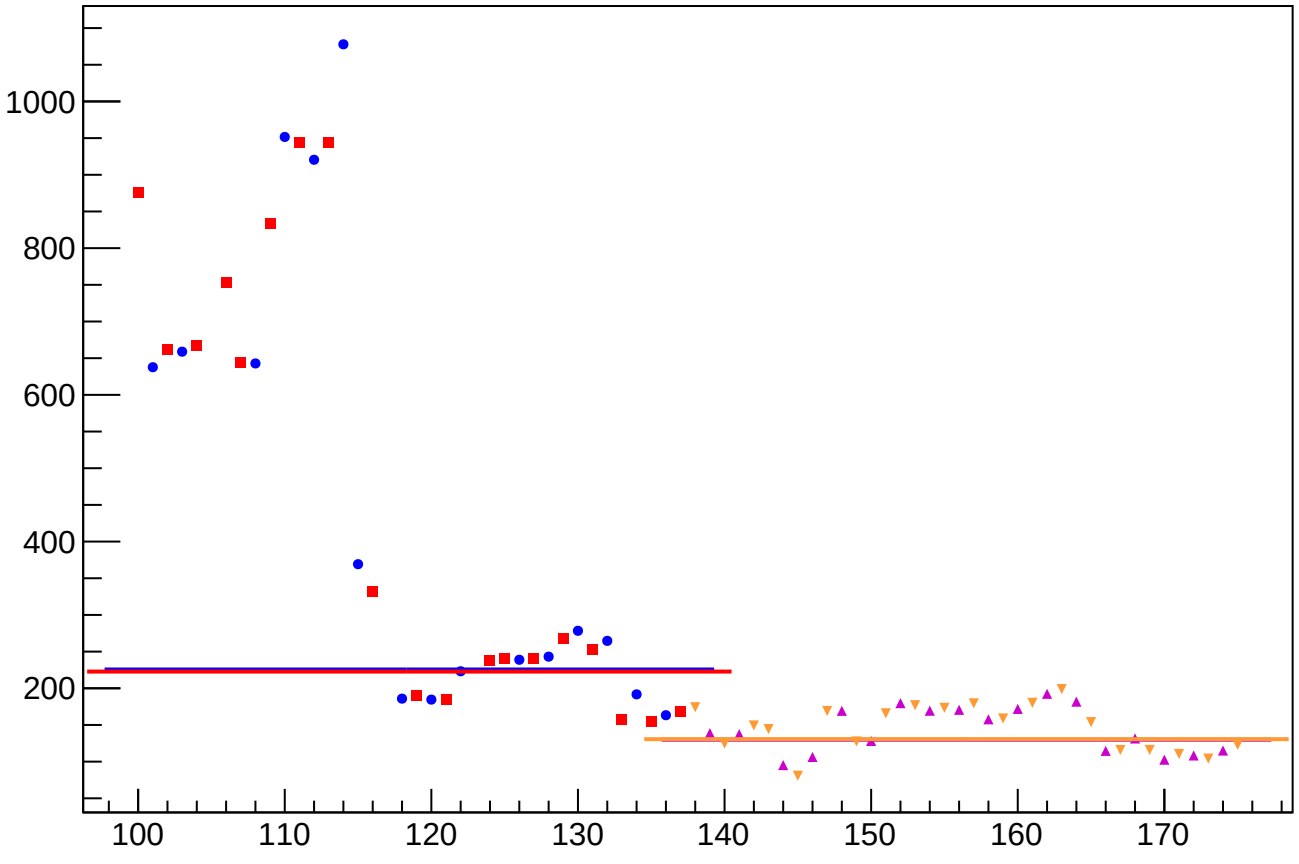
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -22.053+/-34.780 χ^2/NDF:22.8/17

+ sign -107.100+/-31.939 χ^2/NDF: 46.1/35

All: -71.450+/-22.830 χ^2/NDF: 88.8/72

- sign -34.202+/-32.647 χ^2/NDF: 40.1/36



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 130.610+/-0.024 χ^2/NDF:1849618.1/19

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

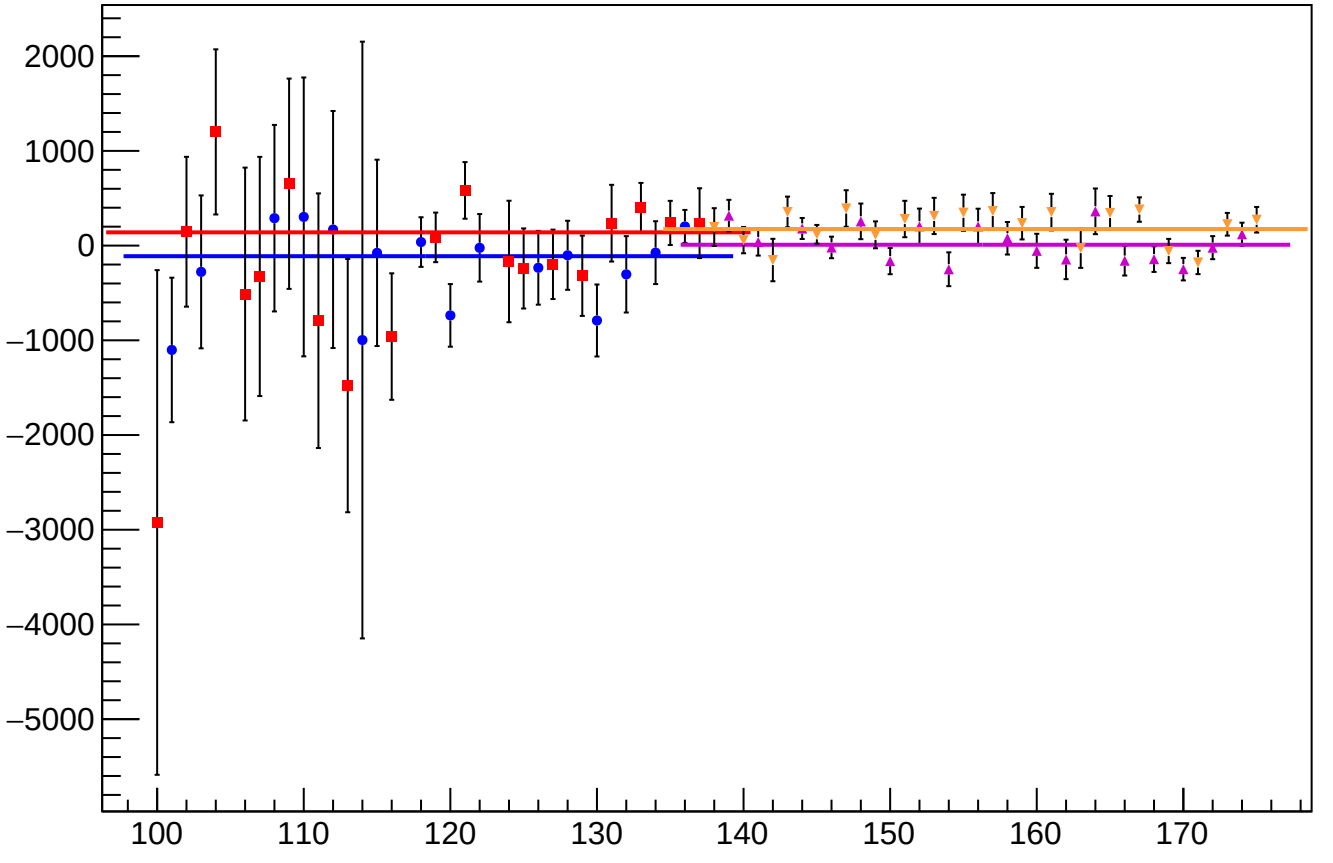
Left In: 129.869+/-0.025 χ^2/NDF:1368353.8/17

+ sign 141.465+/-0.023 χ^2/NDF: 6666346.6/35

All: 141.198+/-0.016 χ^2/NDF: 13580786.7/72

- sign 140.920+/-0.023 χ^2/NDF: 6914155.5/36

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 174.748+/-34.295 χ^2/NDF:26.1/19

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

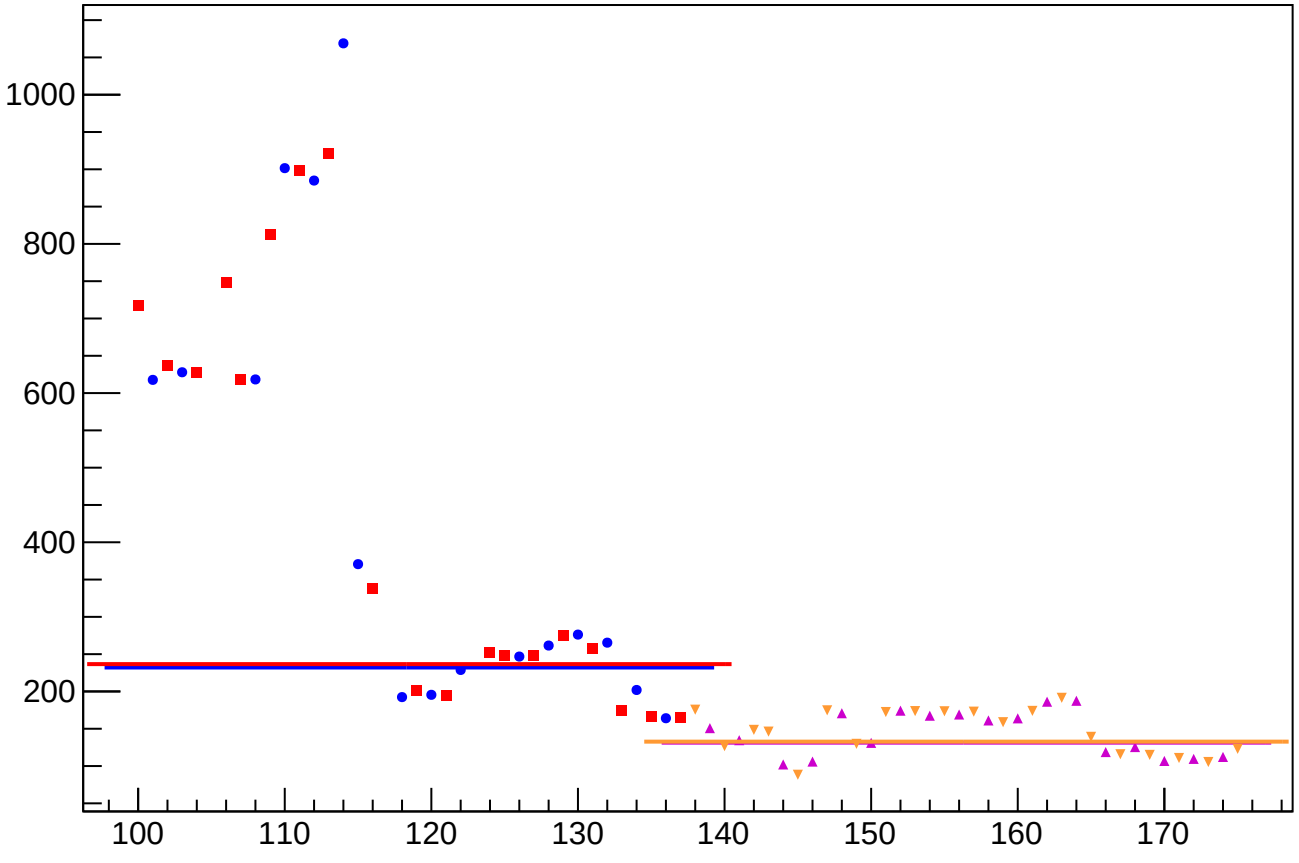
Left In: 8.988+/-34.969 χ^2/NDF:24.4/17

+ sign 142.632+/-32.317 χ^2/NDF: 46.7/35

All: 84.259+/-23.082 χ^2/NDF: 94.0/72

- sign 23.472+/-32.979 χ^2/NDF: 40.6/36

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 132.711+/-0.024 χ^2/NDF:1525255.0/19

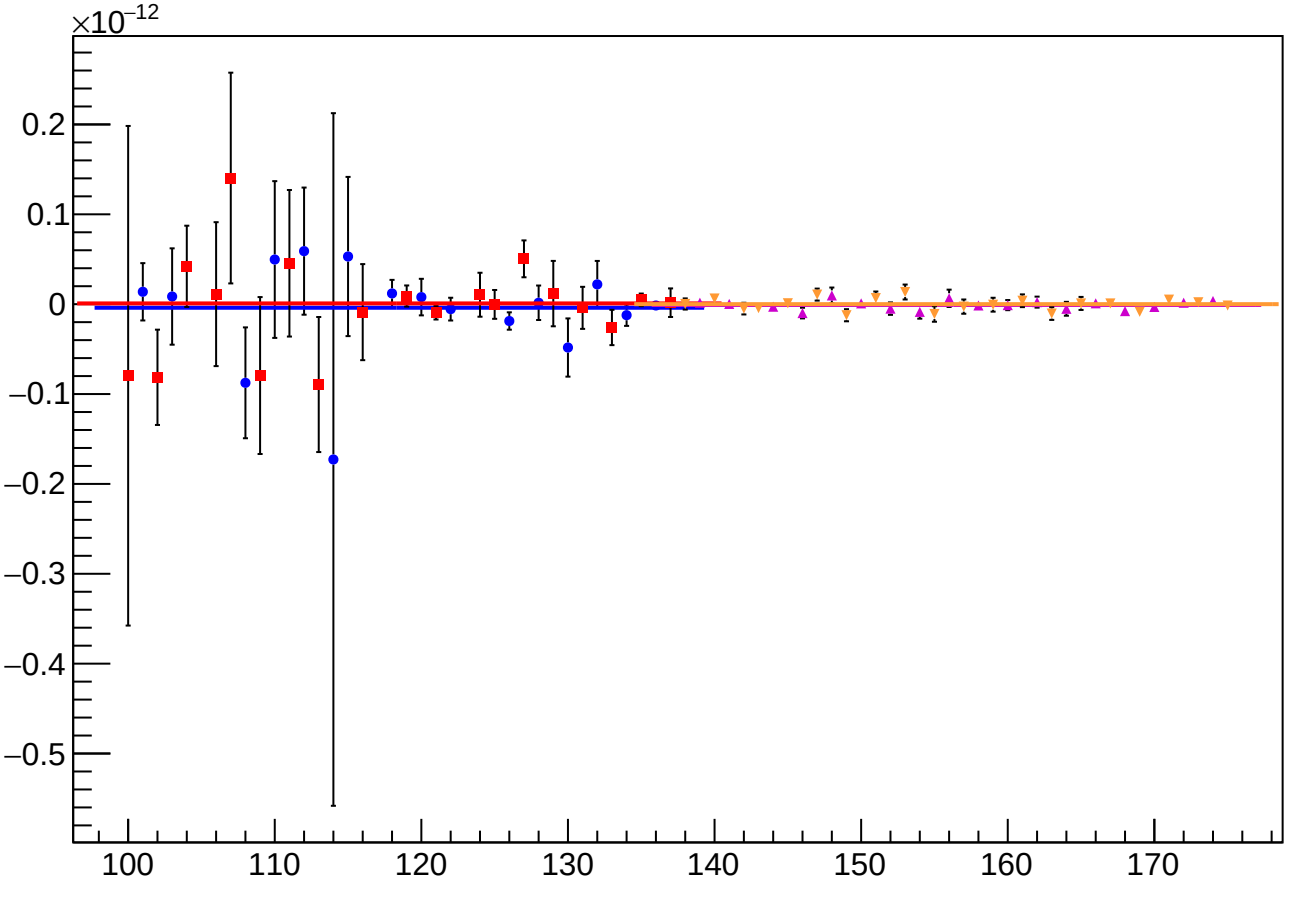
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 131.347+/-0.025 χ^2/NDF:1210428.7/17

+ sign 143.847+/-0.023 χ^2/NDF: 6292887.0/35

All: 143.428+/-0.016 χ^2/NDF: 13030406.1/72

- sign 142.991+/-0.023 χ^2/NDF: 6736832.0/36



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/19

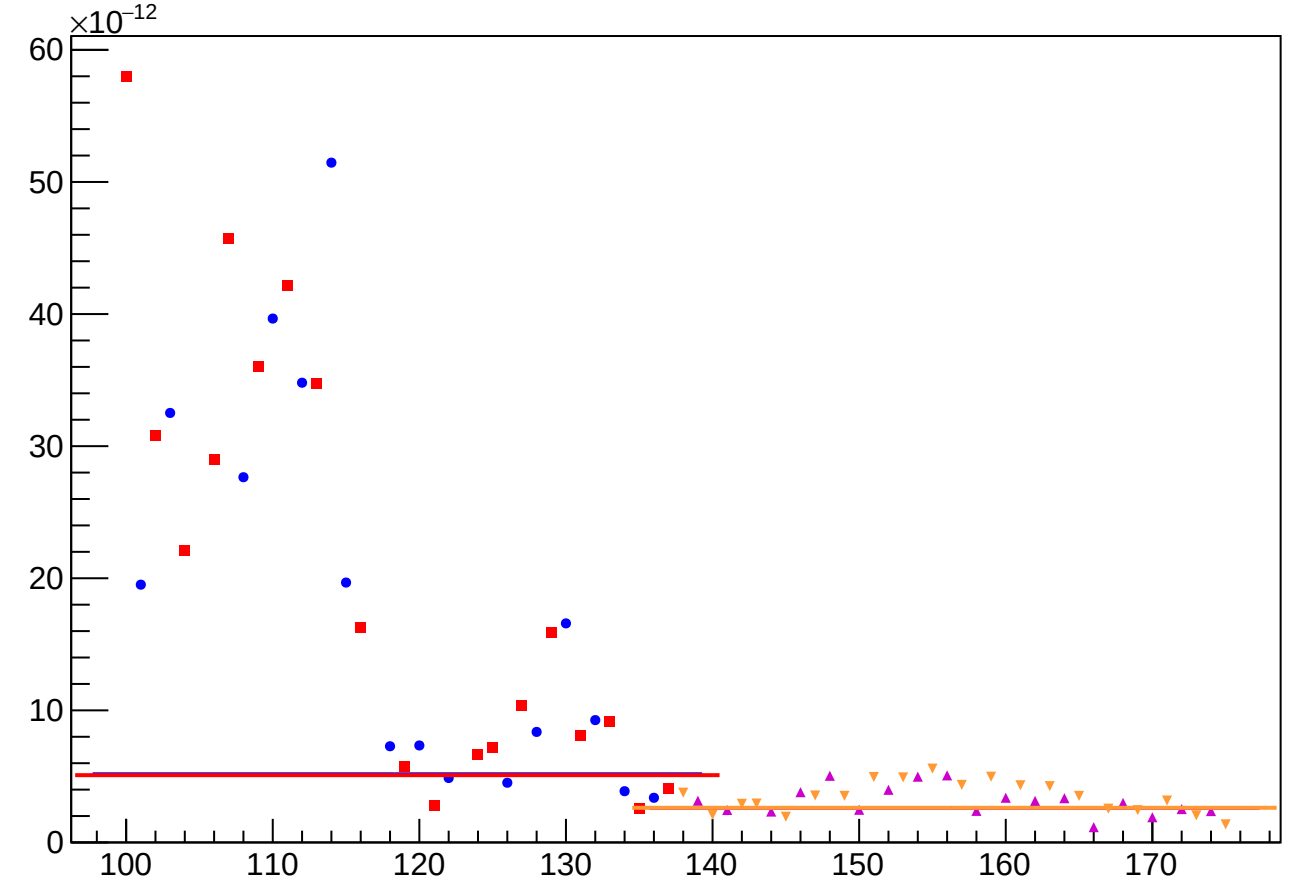
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:11.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/35

All: -0.000+/-0.000 χ^2/NDF: 64.8/72

- sign -0.000+/-0.000 χ^2/NDF: 29.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2022588.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

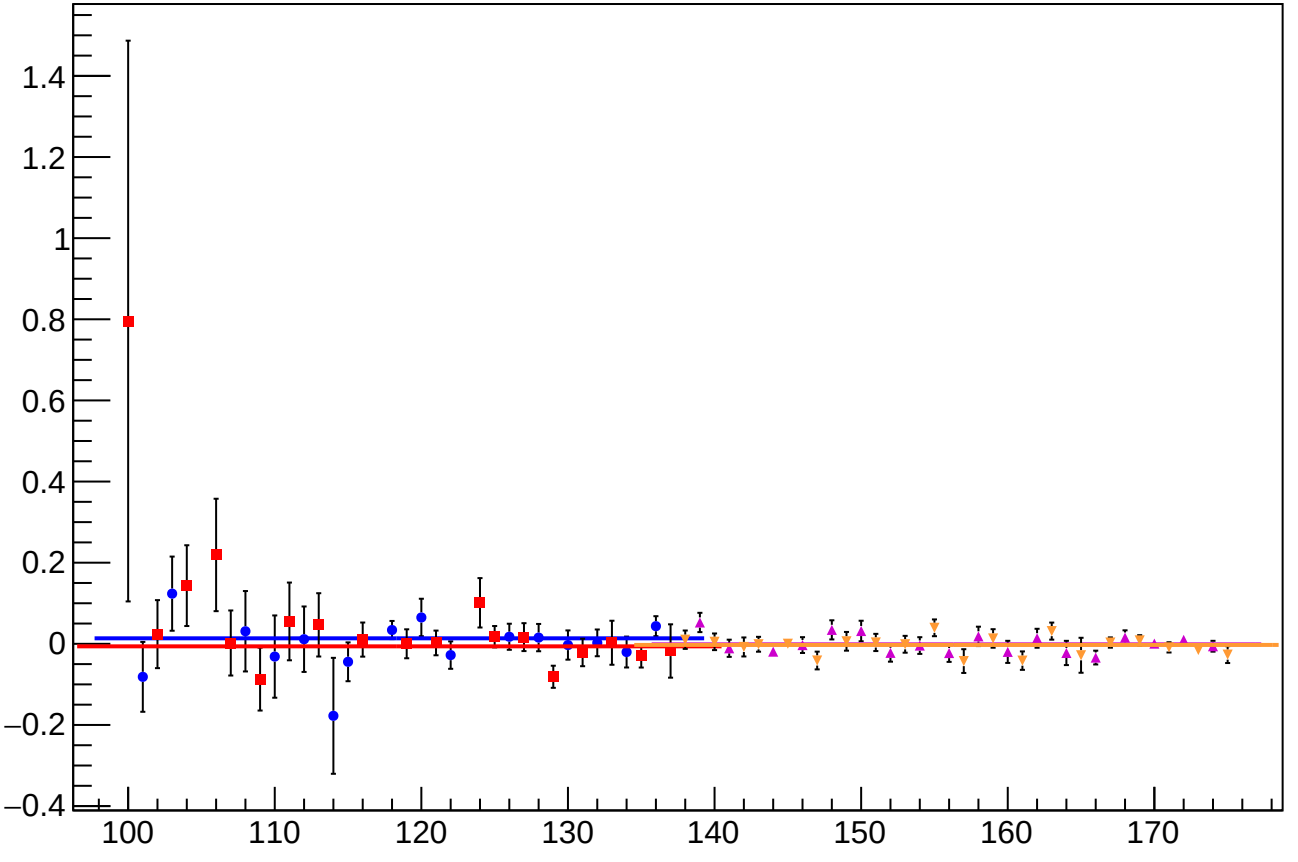
Left In: 0.000+/-0.000 χ^2/NDF:1249670.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 5519639.1/35

All: 0.000+/-0.000 χ^2/NDF: 10735250.0/72

- sign 0.000+/-0.000 χ^2/NDF: 5214991.6/36

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.0/19

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

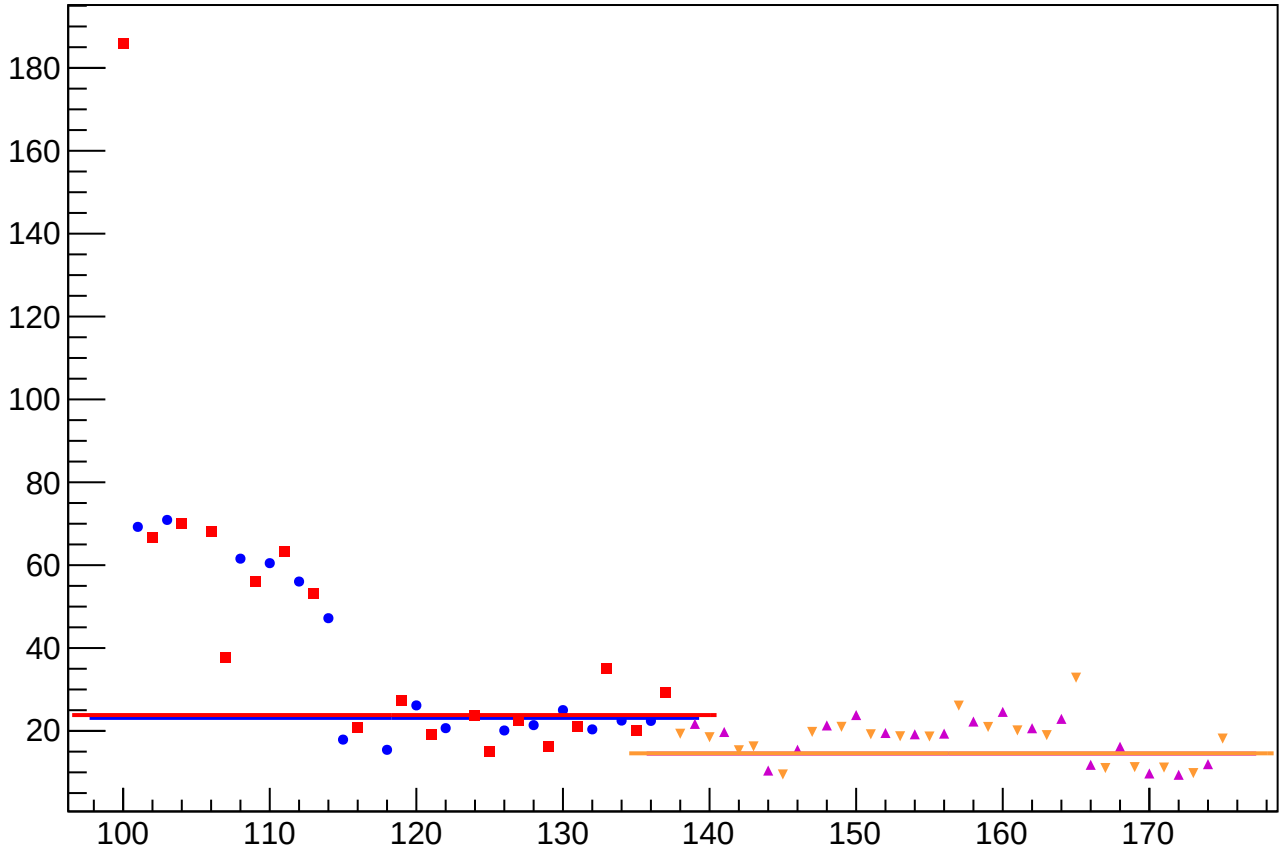
Left In: -0.001+/-0.004 χ^2/NDF:21.4/17

+ sign -0.000+/-0.004 χ^2/NDF: 34.7/35

All: -0.001+/-0.003 χ^2/NDF: 77.8/72

- sign -0.002+/-0.004 χ^2/NDF: 43.0/36

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.590+/-0.003 χ^2/NDF:2982085.7/19

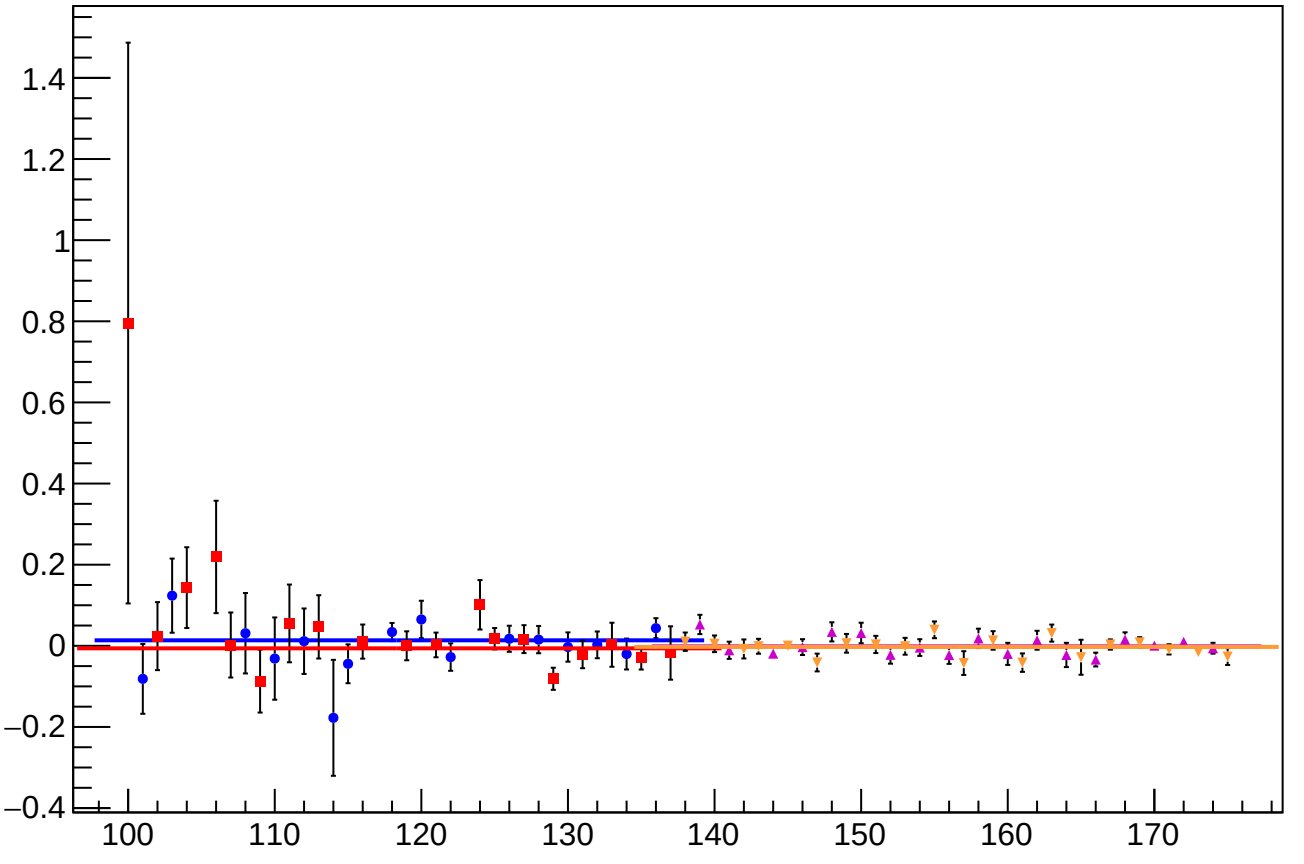
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.529+/-0.003 χ^2/NDF:3050693.6/17

+ sign 15.773+/-0.003 χ^2/NDF: 6689613.8/35

All: 15.814+/-0.002 χ^2/NDF: 14101063.3/72

- sign 15.858+/-0.003 χ^2/NDF: 7410922.9/36



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.0/19

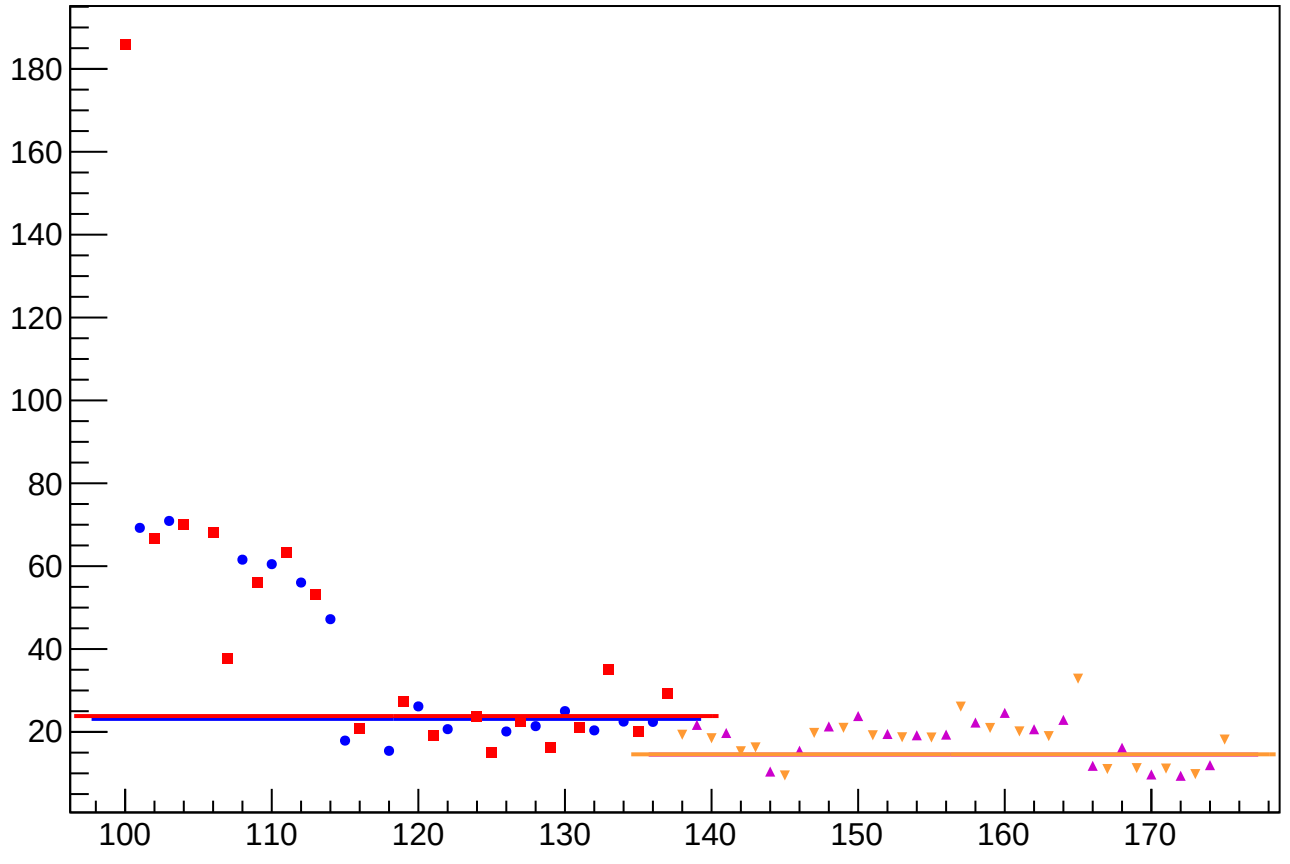
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.004 χ^2/NDF:21.4/17

+ sign -0.000+/-0.004 χ^2/NDF: 34.7/35

All: -0.001+/-0.003 χ^2/NDF: 77.8/72

- sign -0.002+/-0.004 χ^2/NDF: 43.0/36



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.590+/-0.003 χ^2/NDF:2982085.7/19

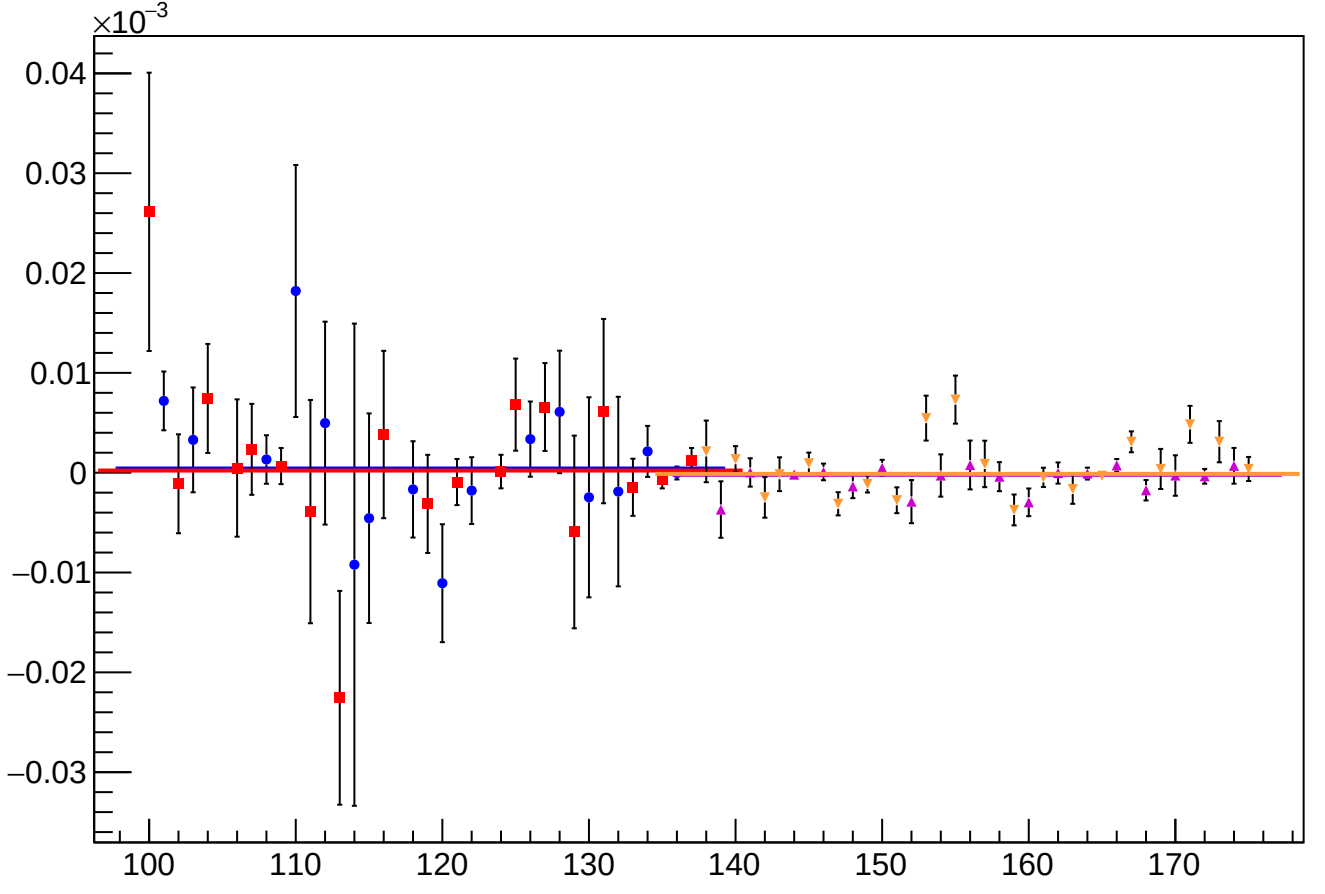
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.529+/-0.003 χ^2/NDF:3050693.6/17

+ sign 15.773+/-0.003 χ^2/NDF: 6689613.8/35

All: 15.814+/-0.002 χ^2/NDF: 14101063.3/72

- sign 15.858+/-0.003 χ^2/NDF: 7410922.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:58.5/19

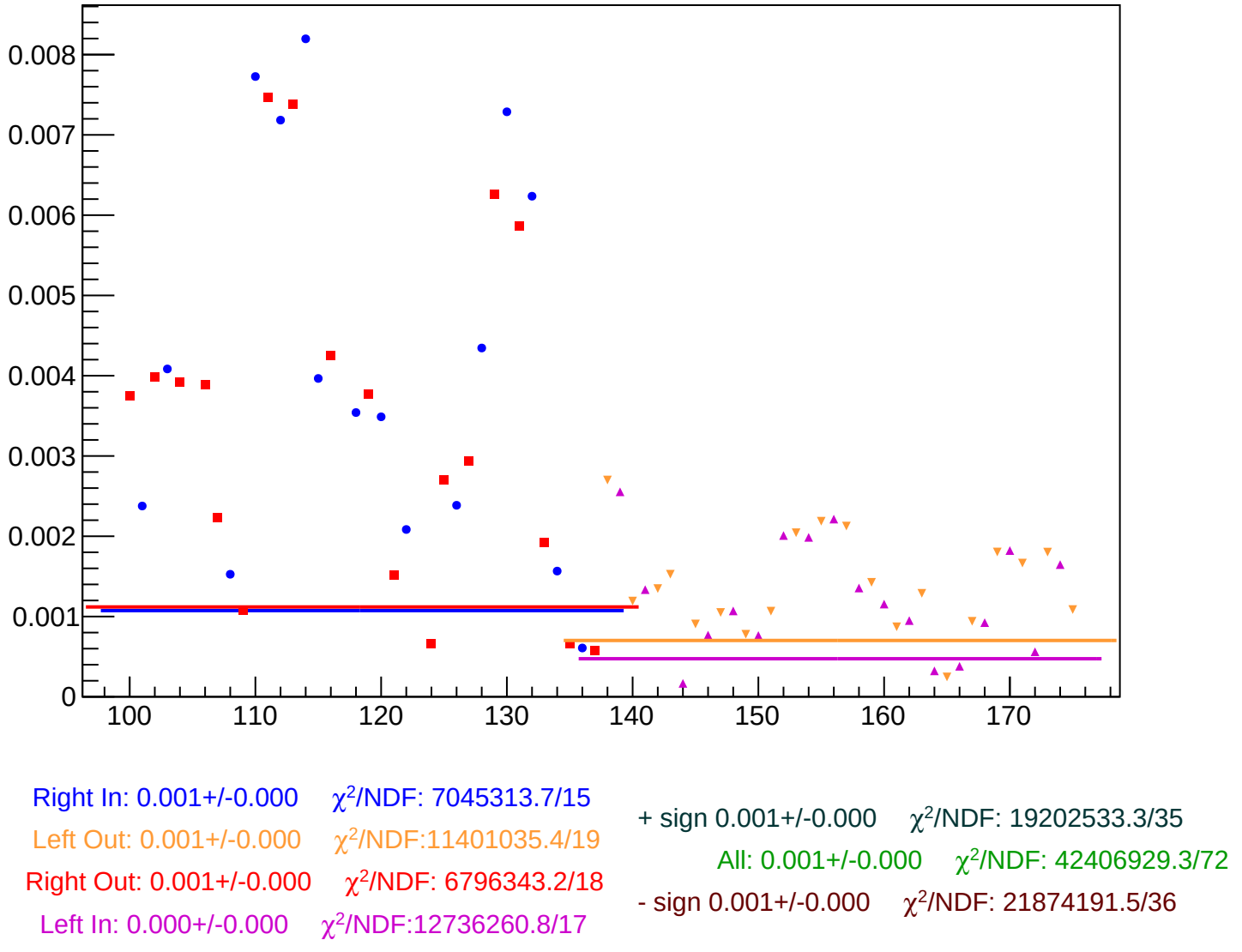
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

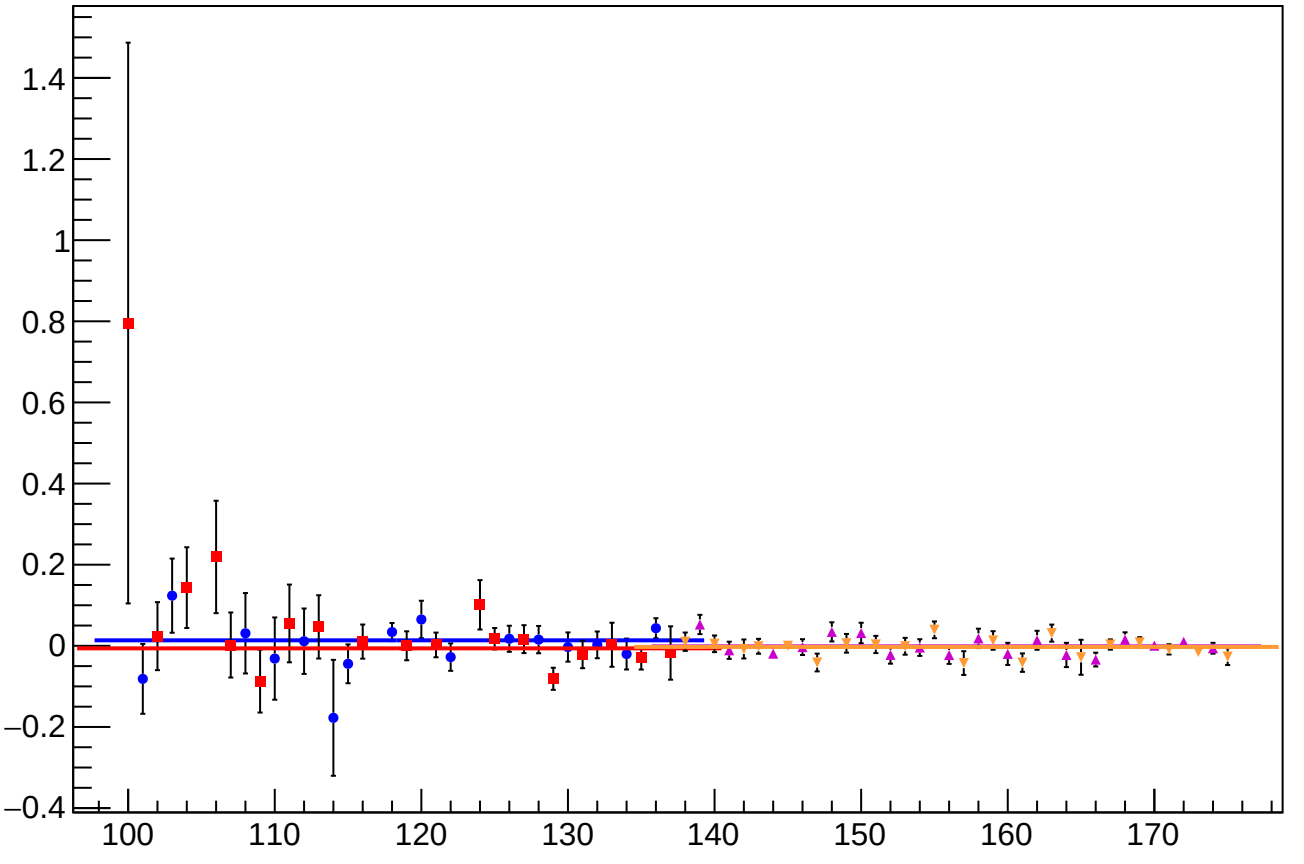
Left In: -0.000+/-0.000 χ^2/NDF:13.9/17

+ sign -0.000+/-0.000 χ^2/NDF: 74.5/35

All: -0.000+/-0.000 χ^2/NDF: 107.0/72

- sign -0.000+/-0.000 χ^2/NDF: 32.3/36


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 7045313.7/15
Left Out: 0.001+/-0.000 χ²/NDF:11401035.4/19
Right Out: 0.001+/-0.000 χ²/NDF: 6796343.2/18
Left In: 0.000+/-0.000 χ²/NDF:12736260.8/17
+ sign 0.001+/-0.000 χ²/NDF: 19202533.3/35
All: 0.001+/-0.000 χ²/NDF: 42406929.3/72
- sign 0.001+/-0.000 χ²/NDF: 21874191.5/36



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.0/19

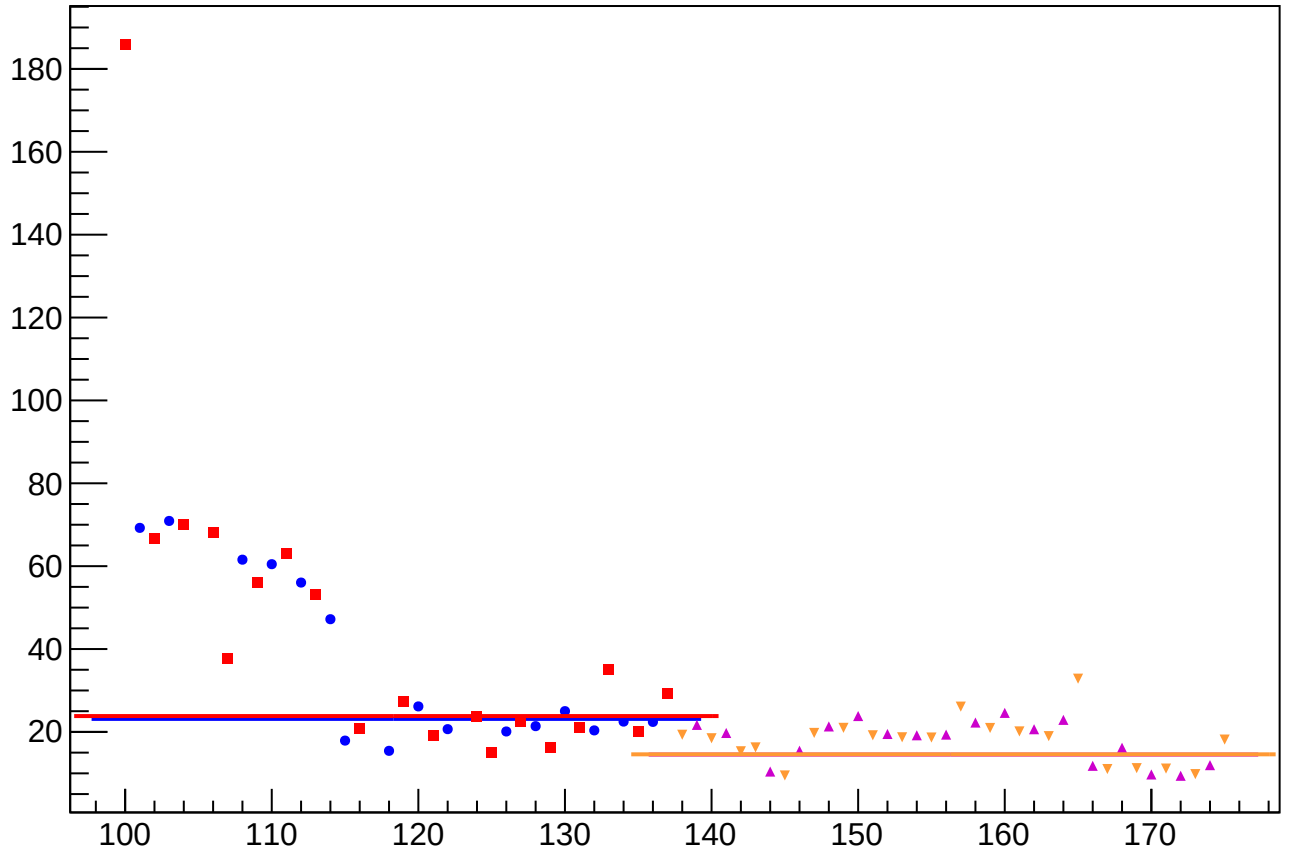
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.004 χ^2/NDF:21.4/17

+ sign -0.000+/-0.004 χ^2/NDF: 34.7/35

All: -0.001+/-0.003 χ^2/NDF: 77.8/72

- sign -0.002+/-0.004 χ^2/NDF: 43.1/36



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.590+/-0.003 χ^2/NDF:2982230.6/19

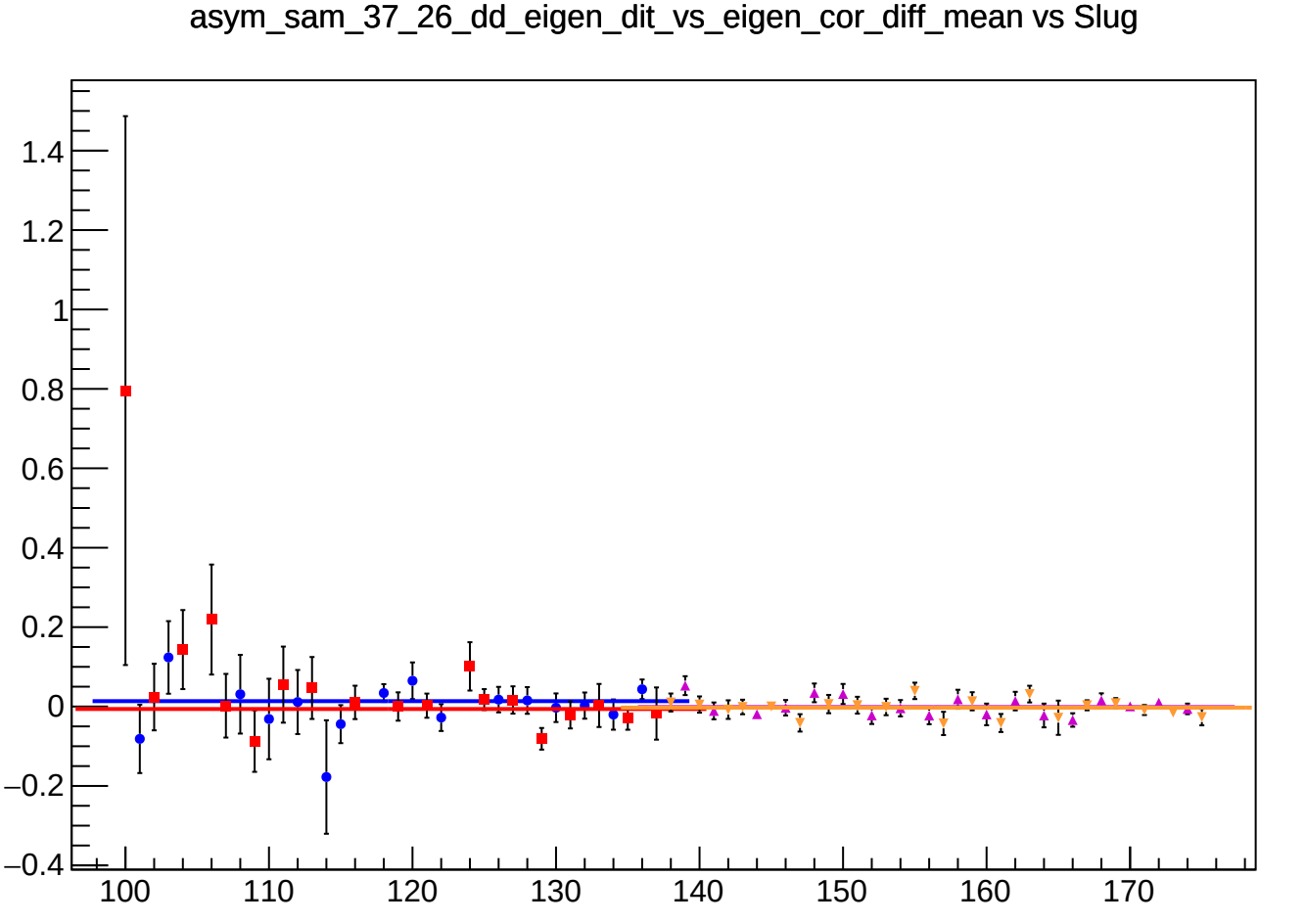
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.529+/-0.003 χ^2/NDF:3050731.8/17

\+ sign 15.773+/-0.003 χ^2/NDF: 6689482.3/35

All: 15.814+/-0.002 χ^2/NDF: 14100758.9/72

\- sign 15.858+/-0.003 χ^2/NDF: 7410748.9/36



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.0/19

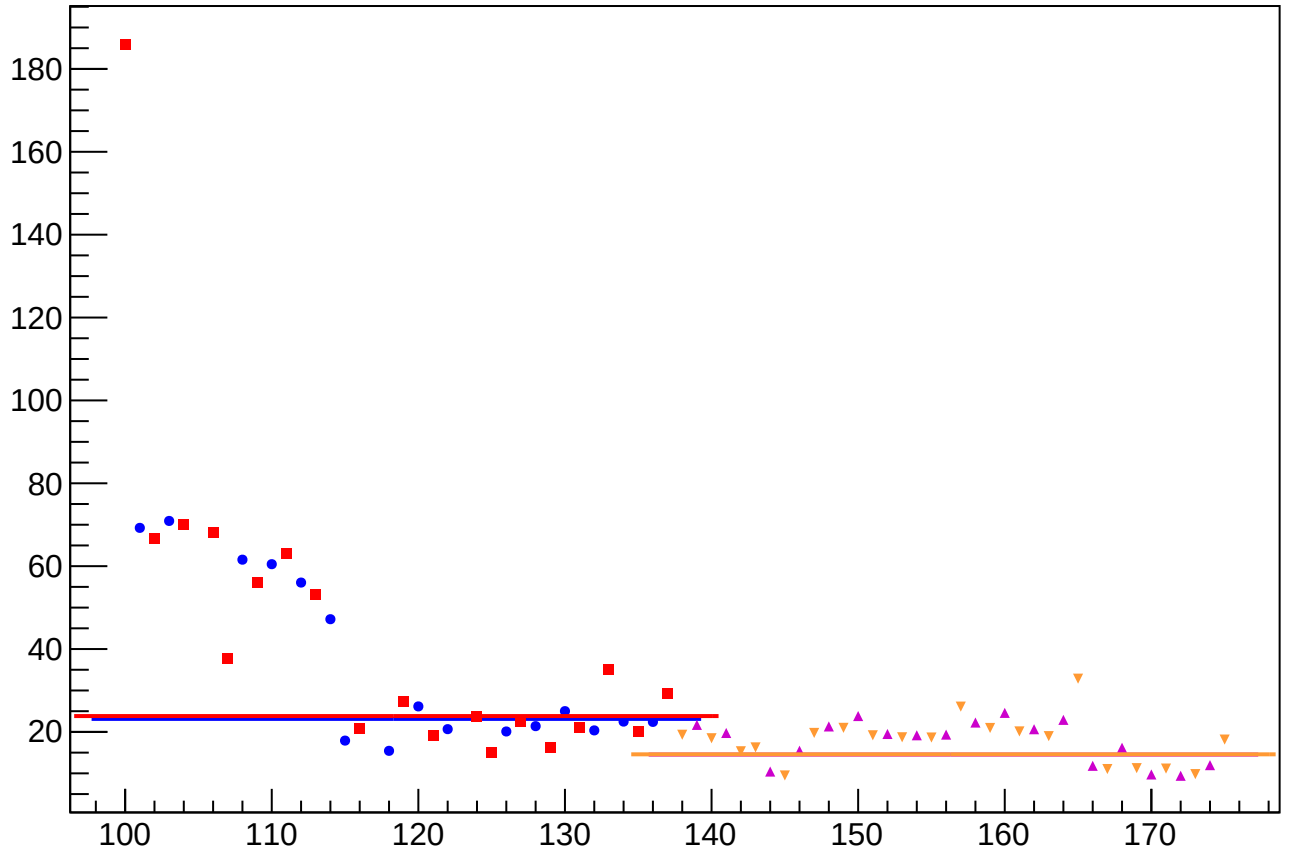
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.004 χ^2/NDF:21.4/17

+ sign -0.000+/-0.004 χ^2/NDF: 34.7/35

All: -0.001+/-0.003 χ^2/NDF: 77.8/72

- sign -0.002+/-0.004 χ^2/NDF: 43.1/36



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.590+/-0.003 χ^2/NDF:2982230.6/19

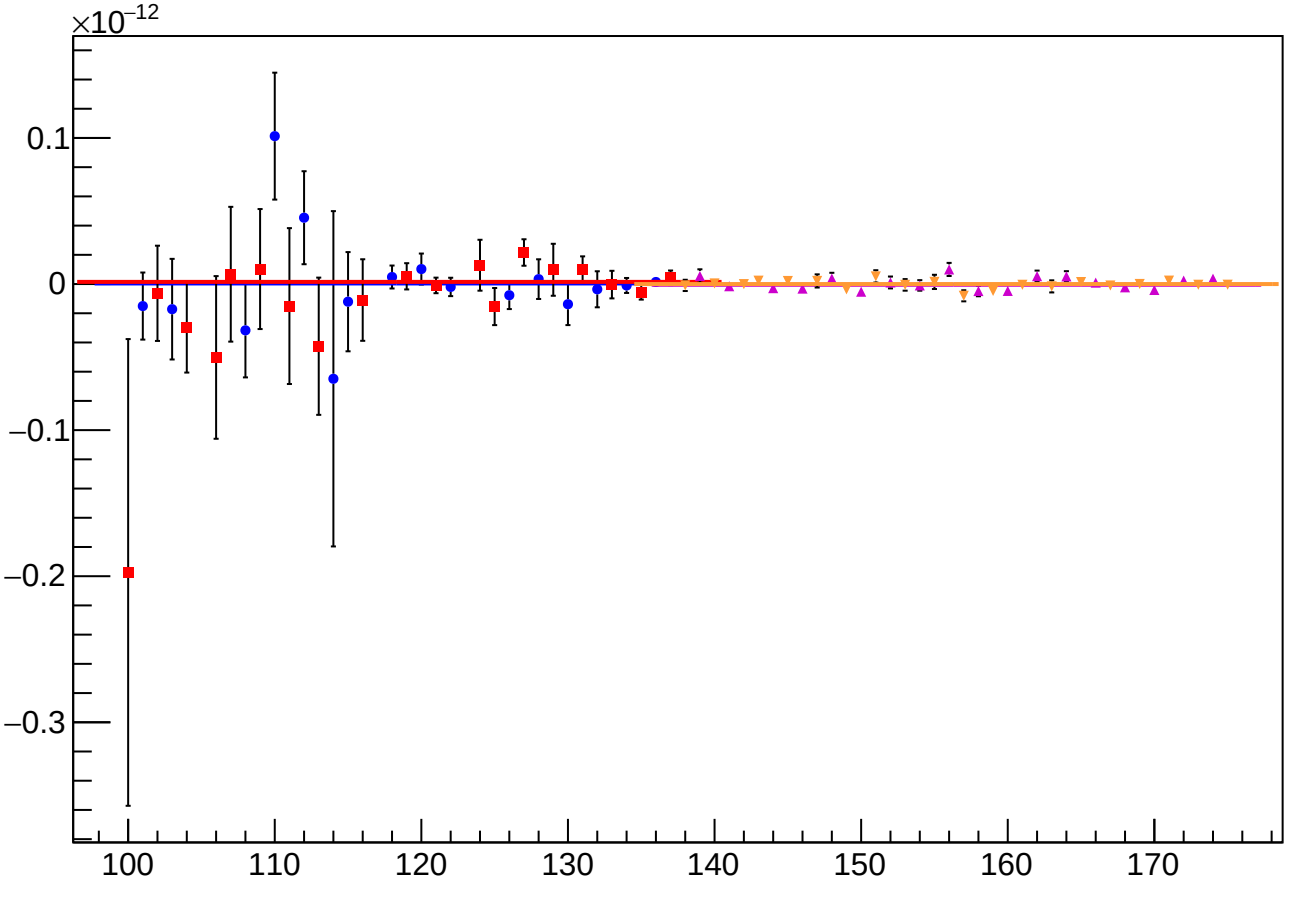
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.529+/-0.003 χ^2/NDF:3050731.8/17

+ sign 15.773+/-0.003 χ^2/NDF: 6689482.3/35

All: 15.814+/-0.002 χ^2/NDF: 14100758.9/72

- sign 15.858+/-0.003 χ^2/NDF: 7410748.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/19

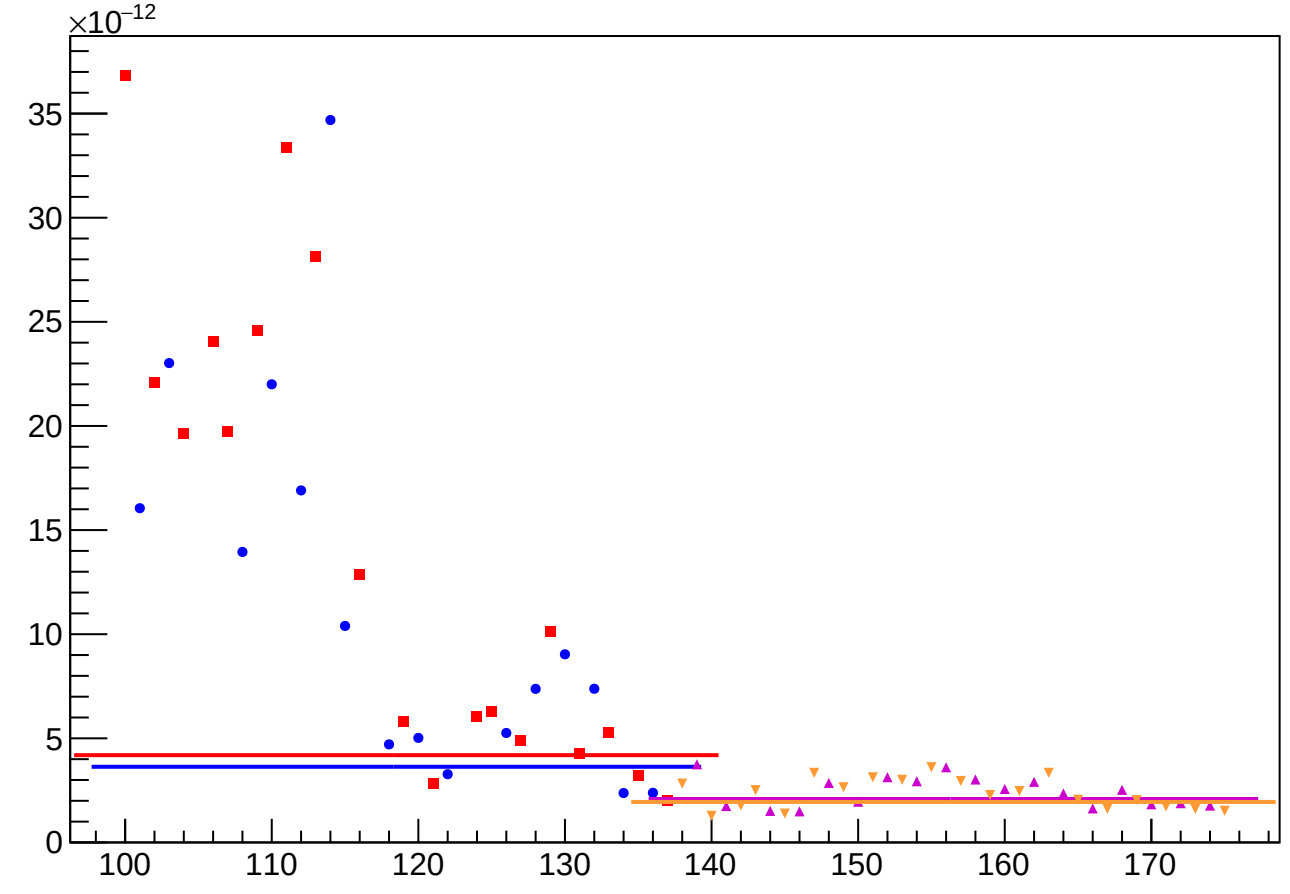
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:30.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 26.6/35

All: -0.000+/-0.000 χ^2/NDF: 73.0/72

- sign -0.000+/-0.000 χ^2/NDF: 46.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2141131.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

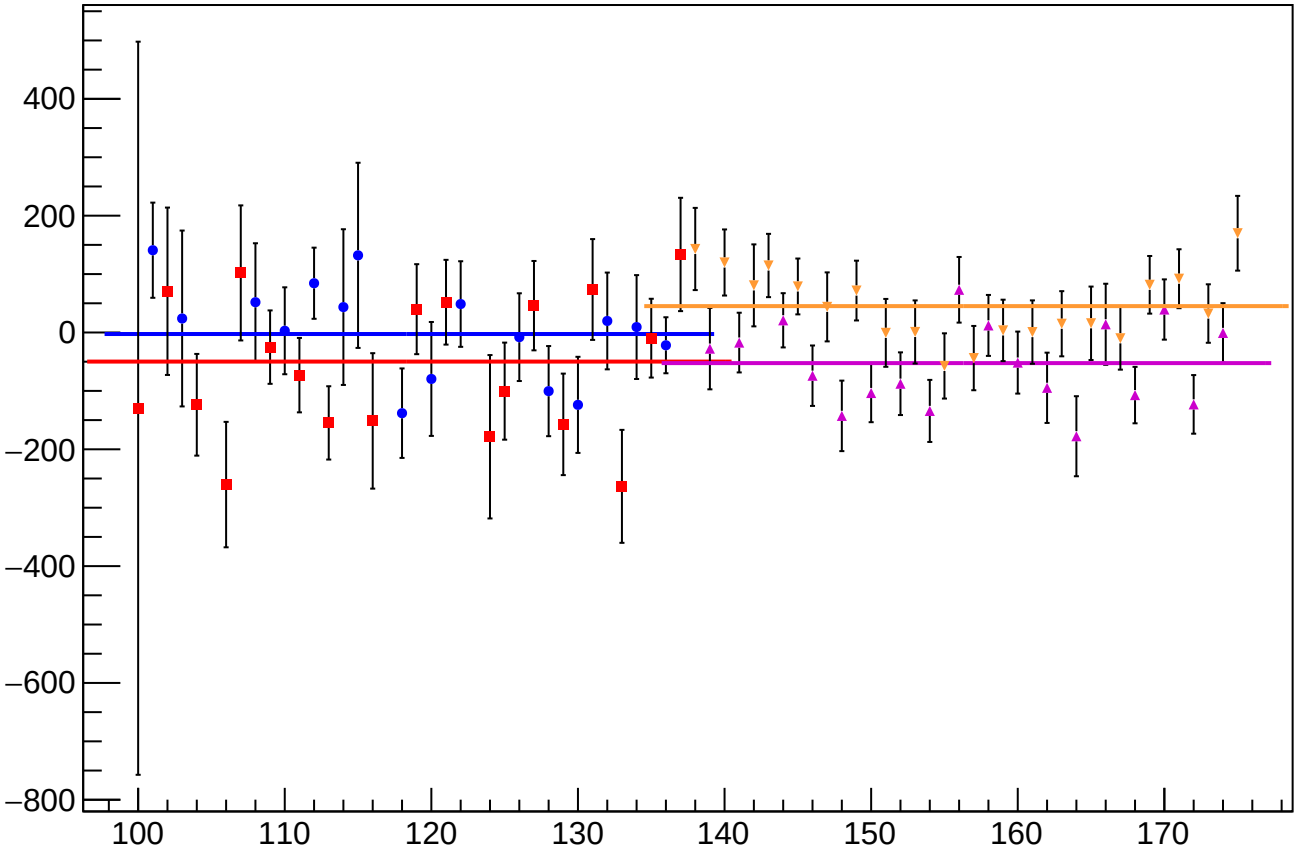
Left In: 0.000+/-0.000 χ^2/NDF:1655993.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 6970898.2/35

All: 0.000+/-0.000 χ^2/NDF: 14623321.5/72

- sign 0.000+/-0.000 χ^2/NDF: 7584227.5/36

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 45.147+/-12.382 χ^2/NDF:21.8/19

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

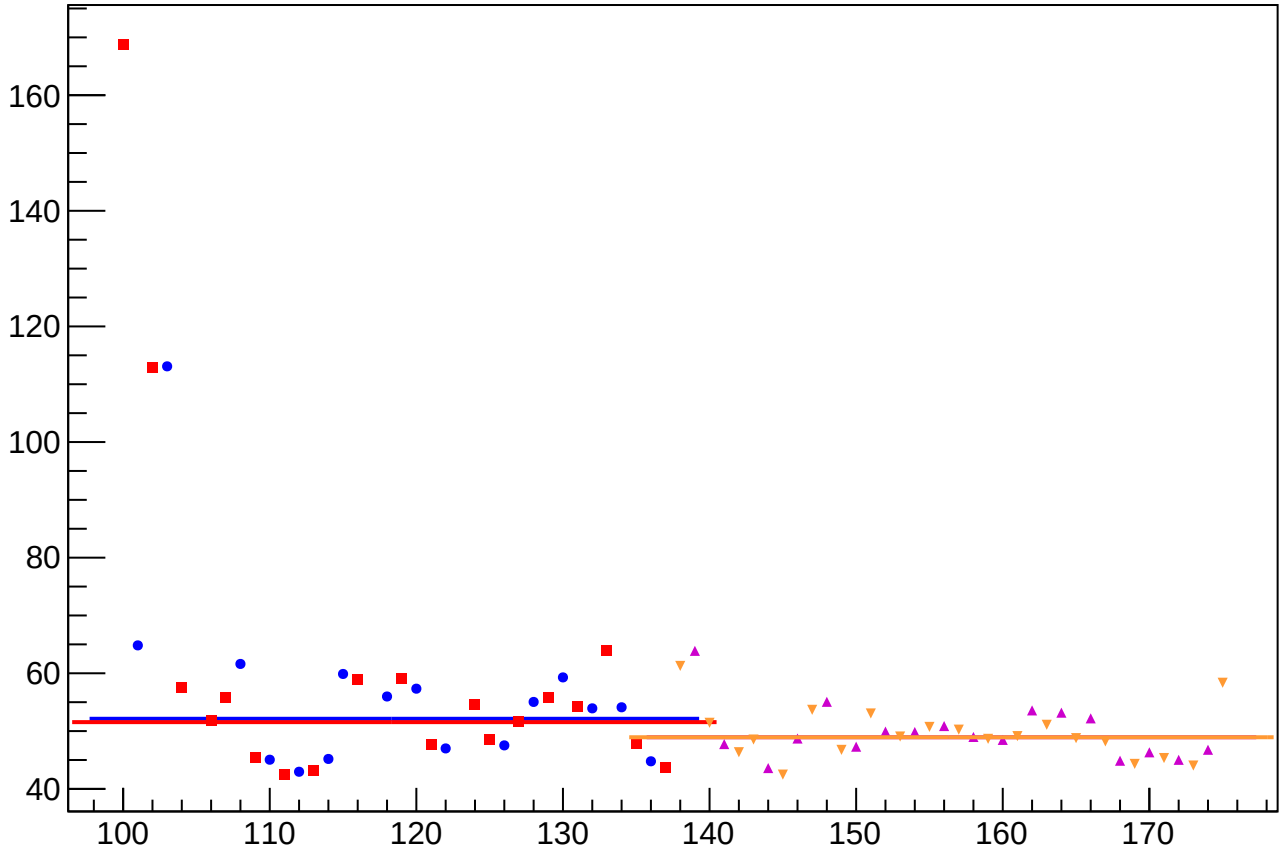
Left In: -52.419+/-12.778 χ^2/NDF:28.1/17

+ sign 31.908+/-10.527 χ^2/NDF: 40.5/35

All: -9.155+/-7.507 χ^2/NDF: 128.9/72

- sign -51.642+/-10.708 χ^2/NDF: 57.5/36

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 48.934+/-0.009 χ^2/NDF:228081.0/19

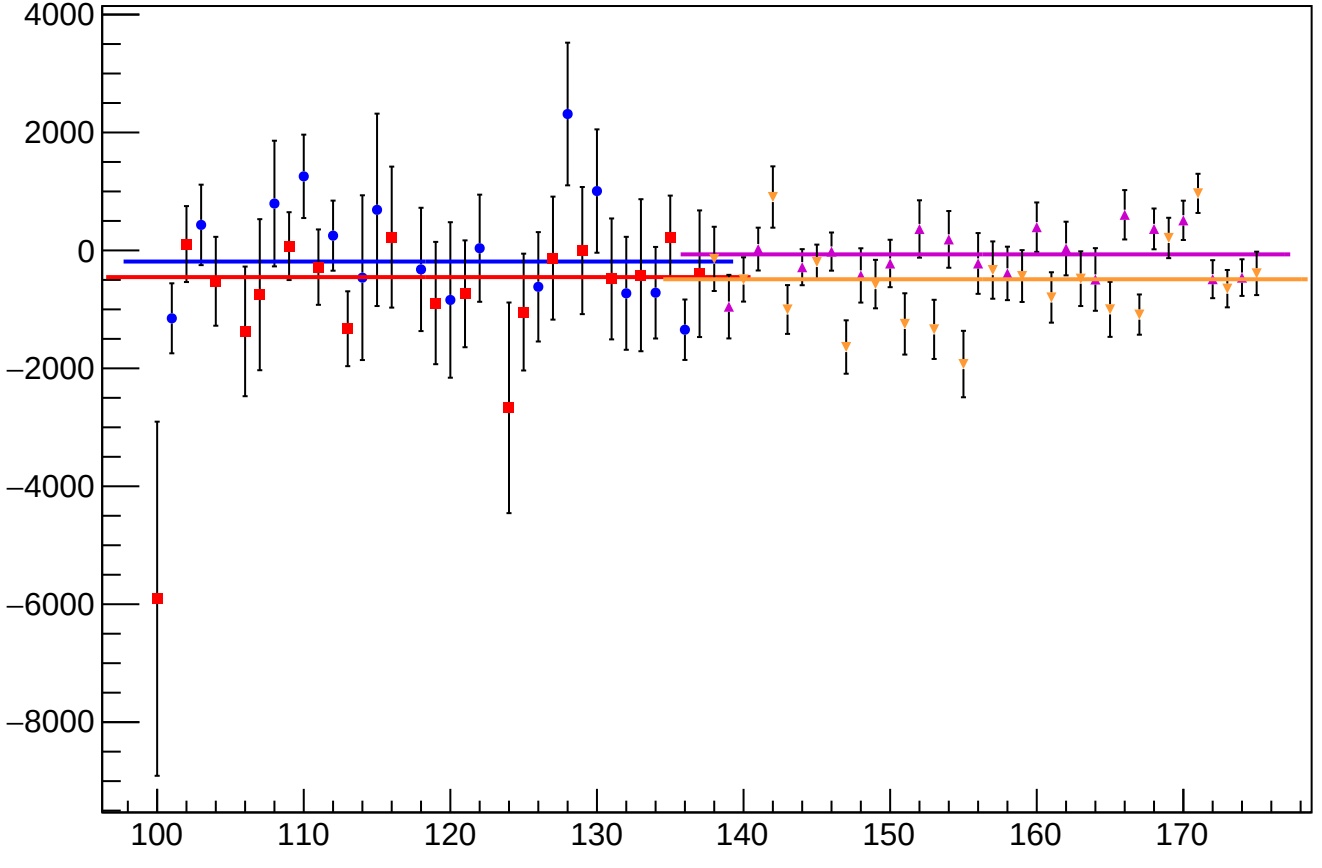
Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 48.937+/-0.009 χ^2/NDF:205092.4/17

+ sign 49.819+/-0.007 χ^2/NDF: 827905.2/35

All: 49.768+/-0.005 χ^2/NDF: 1697570.6/72

- sign 49.715+/-0.008 χ^2/NDF: 869568.7/36



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -489.004+/-90.991 χ^2/NDF:56.8/19

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

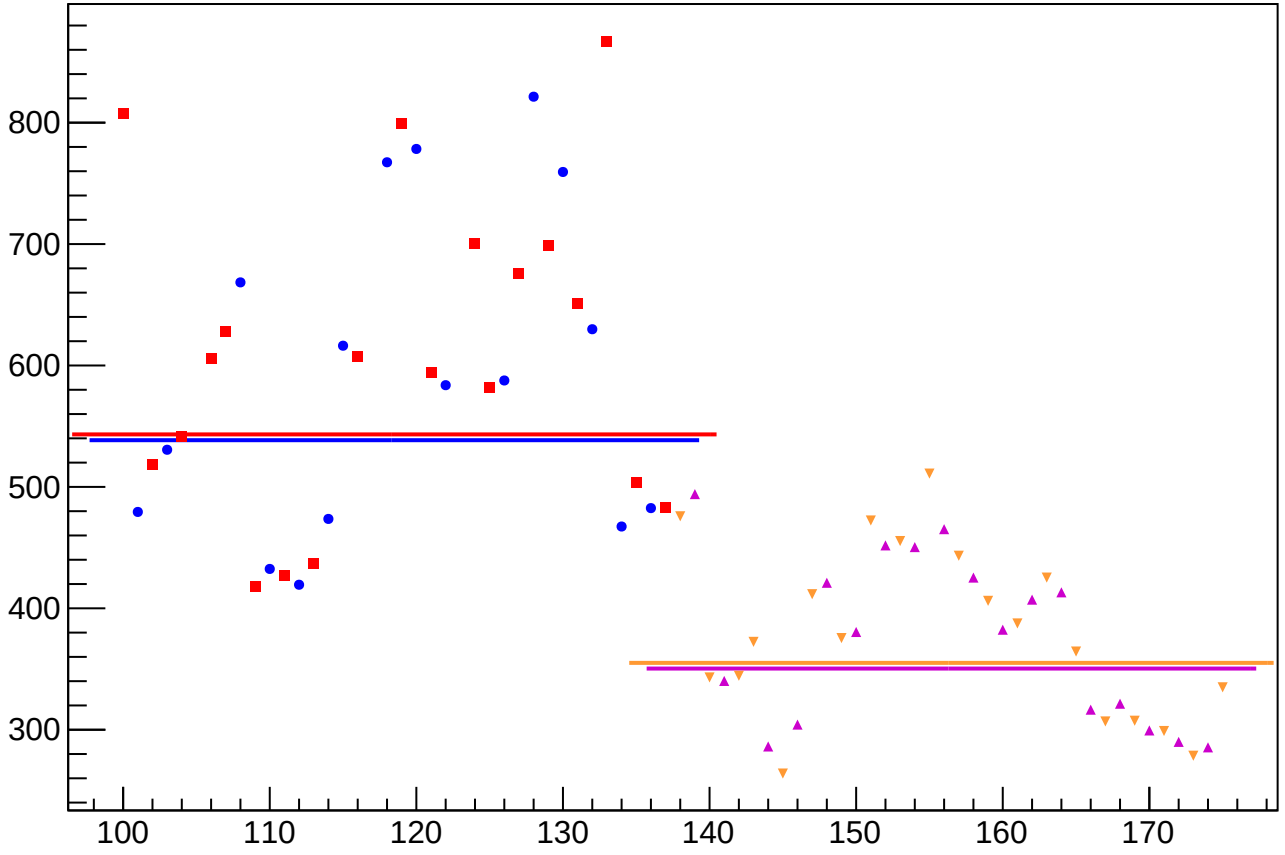
Left In: -67.068+/-92.651 χ^2/NDF:18.0/17

\+ sign -439.881+/-83.221 χ^2/NDF: 79.9/35

All: -288.526+/-59.242 χ^2/NDF: 118.9/72

\- sign -133.027+/-84.352 χ^2/NDF: 32.3/36

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 355.073+/-0.064 χ^2/NDF:1076287.7/19

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

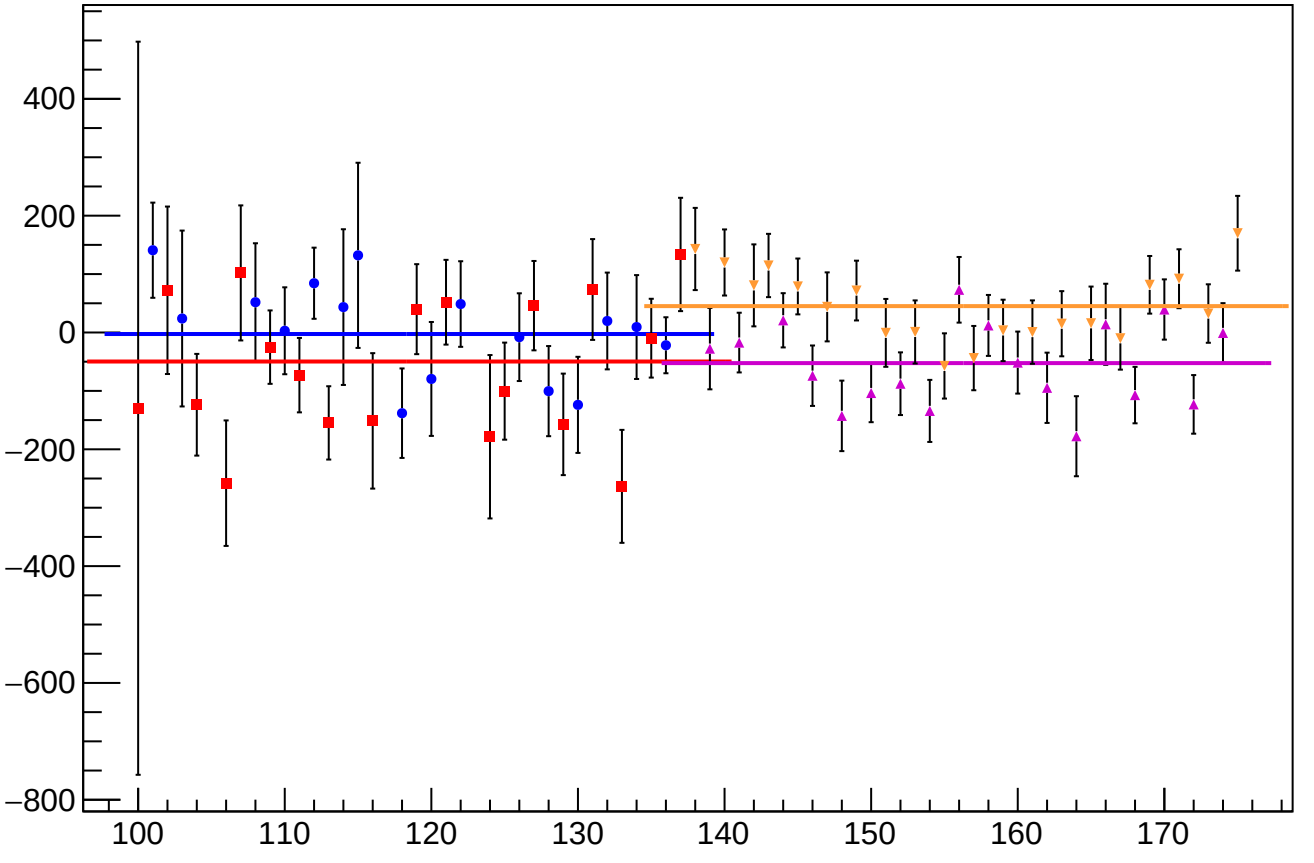
Left In: 350.383+/-0.066 χ^2/NDF:960322.3/17

+ sign 385.059+/-0.059 χ^2/NDF: 3018686.5/35

All: 384.232+/-0.042 χ^2/NDF: 6099365.4/72

- sign 383.383+/-0.060 χ^2/NDF: 3080279.1/36

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 45.148+/-12.382 χ^2/NDF:21.8/19

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

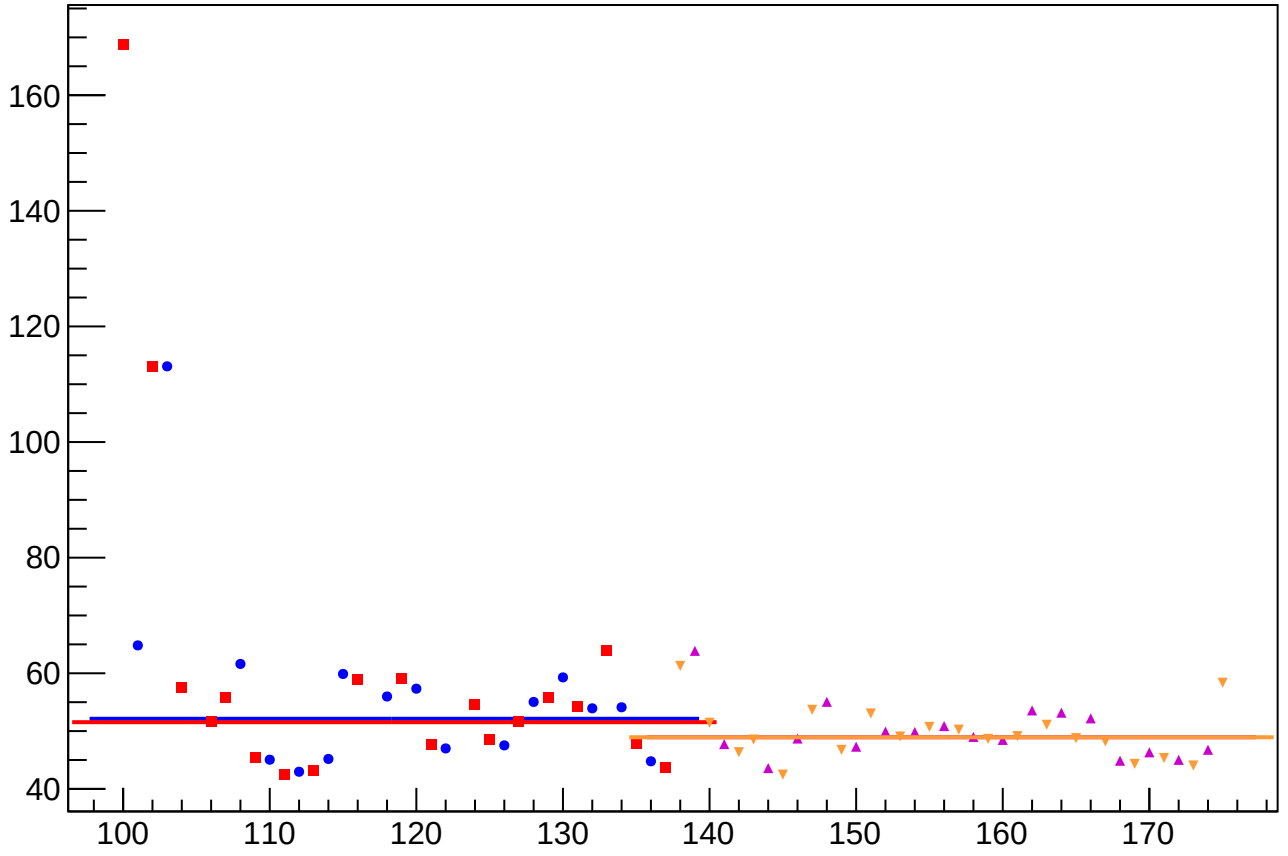
Left In: -52.417+/-12.778 χ^2/NDF:28.1/17

+ sign 31.908+/-10.527 χ^2/NDF: 40.5/35

All: -9.137+/-7.507 χ^2/NDF: 128.8/72

- sign -51.606+/-10.708 χ^2/NDF: 57.4/36

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.934+/-0.009 χ^2/NDF:228081.0/19

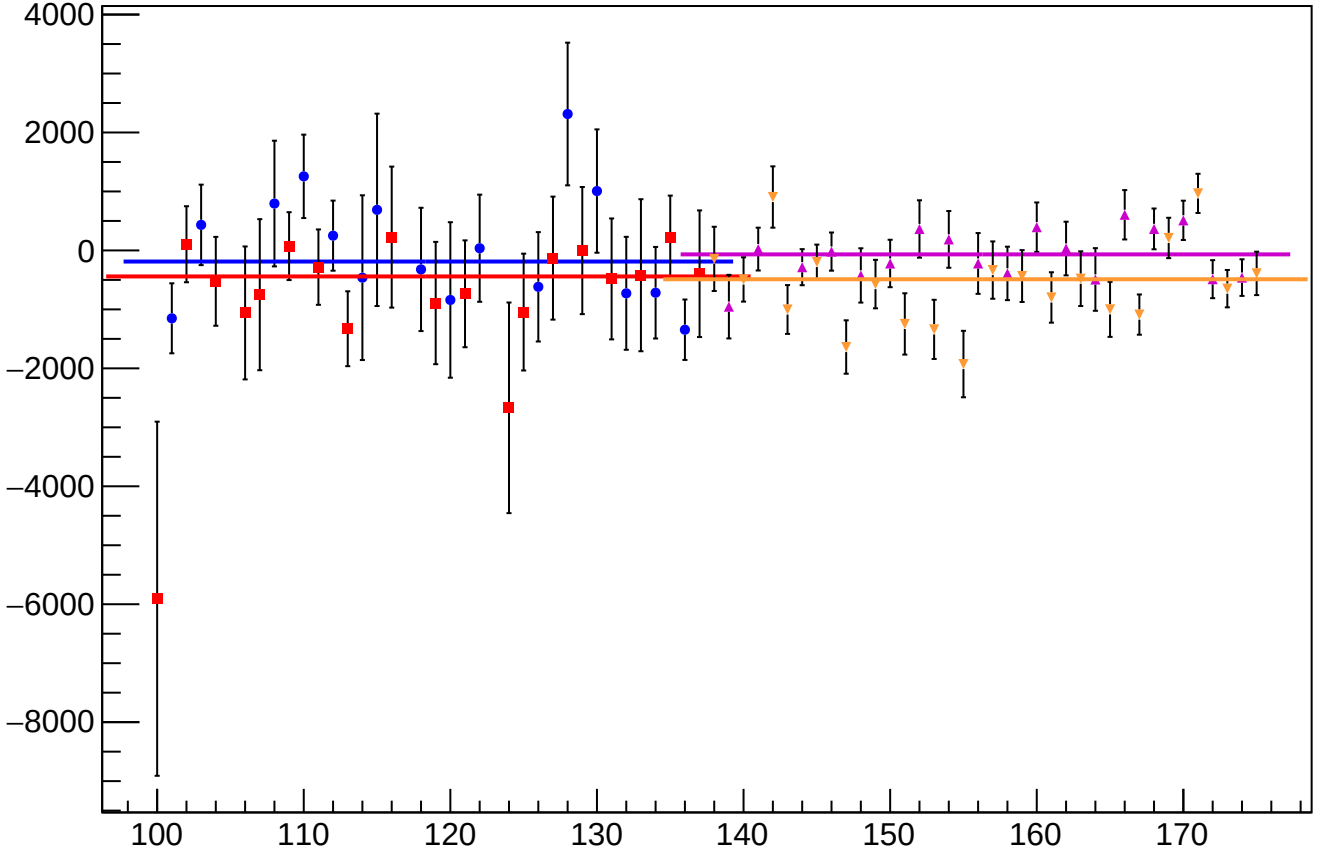
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 48.937+/-0.009 χ^2/NDF:205092.4/17

+ sign 49.819+/-0.007 χ^2/NDF: 827907.4/35

All: 49.766+/-0.005 χ^2/NDF: 1697601.5/72

- sign 49.712+/-0.008 χ^2/NDF: 869591.5/36



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -489.002+/-90.991 χ^2/NDF:56.8/19

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

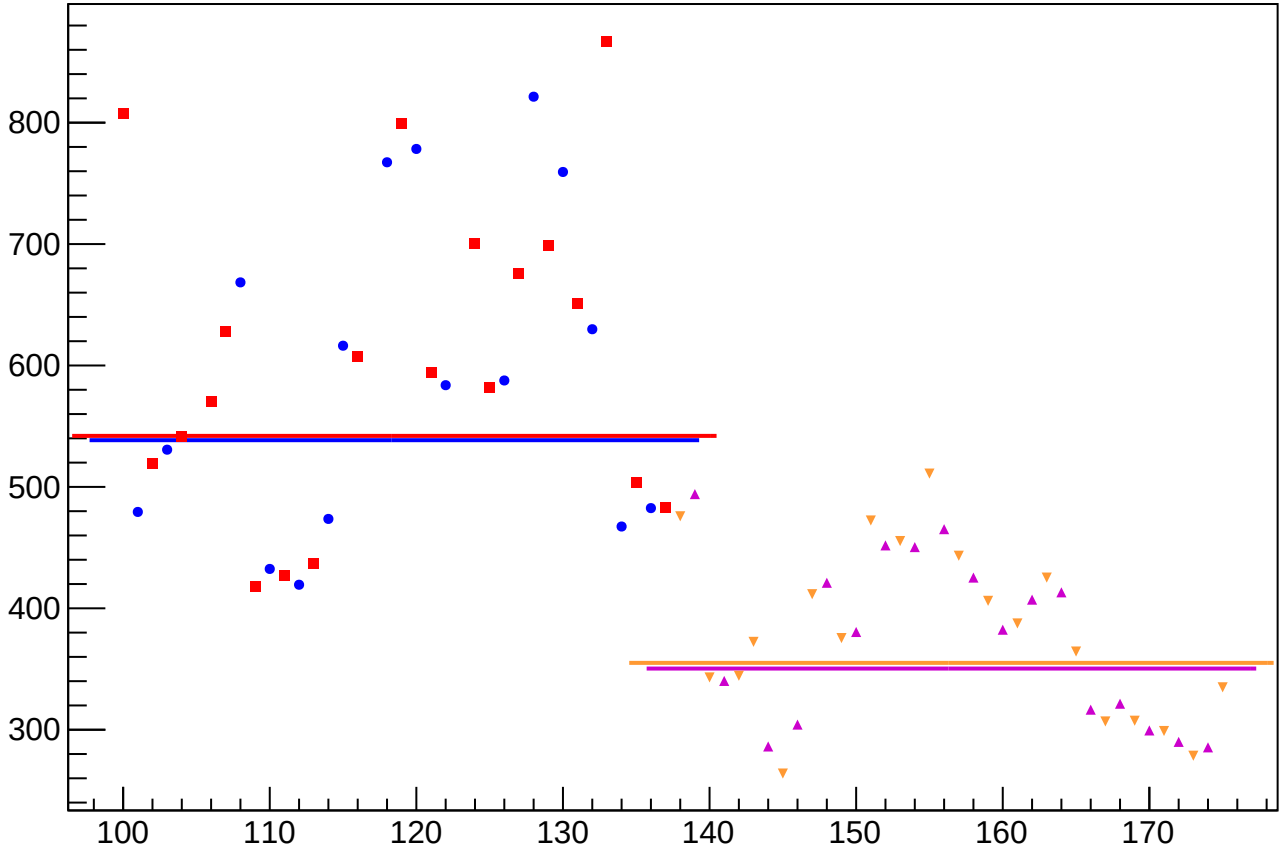
Left In: -67.069+/-92.651 χ^2/NDF:18.0/17

+ sign -439.876+/-83.221 χ^2/NDF: 79.9/35

All: -287.540+/-59.247 χ^2/NDF: 118.4/72

- sign -130.982+/-84.366 χ^2/NDF: 31.7/36

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 355.073+/-0.064 χ^2/NDF:1076291.8/19

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

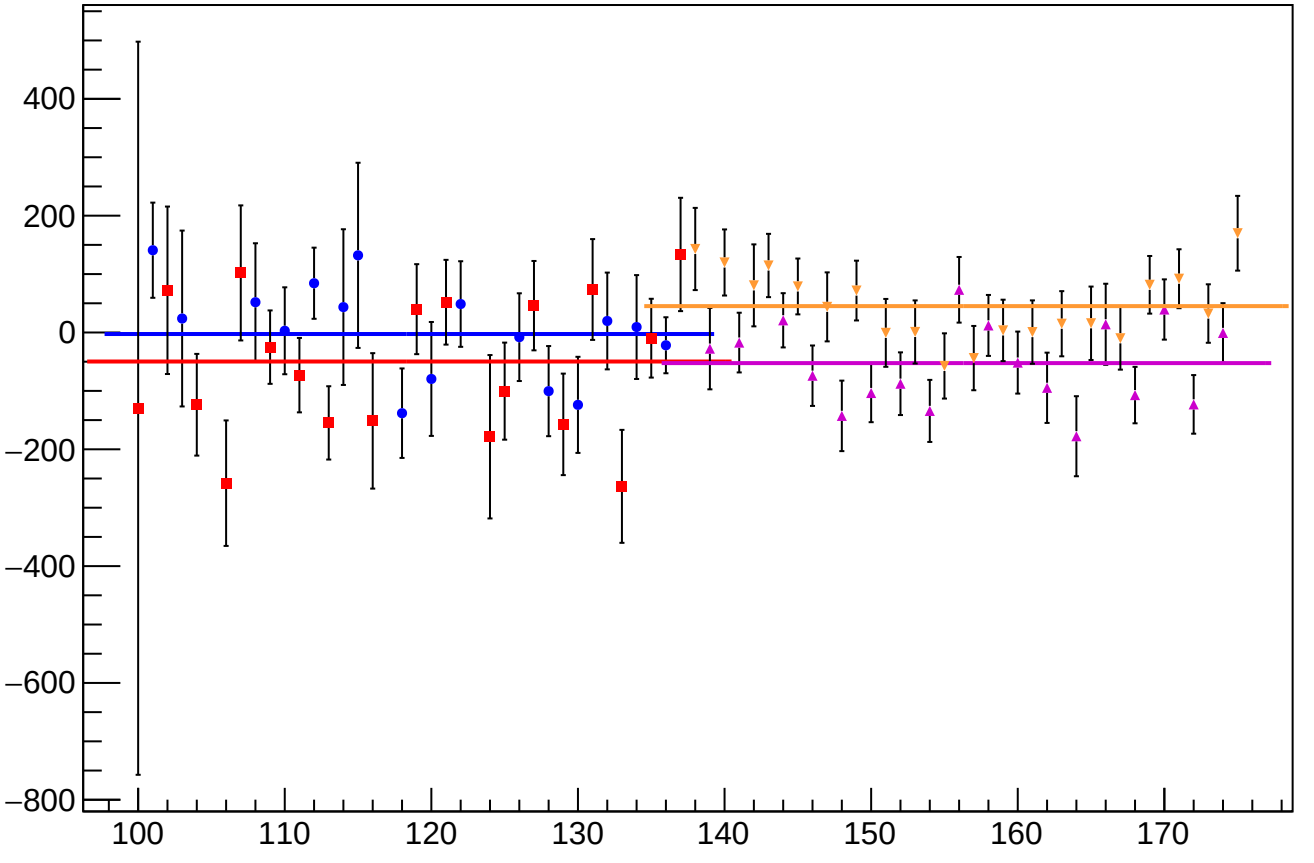
Left In: 350.383+/-0.066 χ^2/NDF:960322.7/17

+ sign 385.059+/-0.059 χ^2/NDF: 3018744.7/35

All: 384.105+/-0.042 χ^2/NDF: 6073062.3/72

- sign 383.124+/-0.060 χ^2/NDF: 3053784.3/36

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 45.148+/-12.382 χ^2/NDF:21.8/19

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

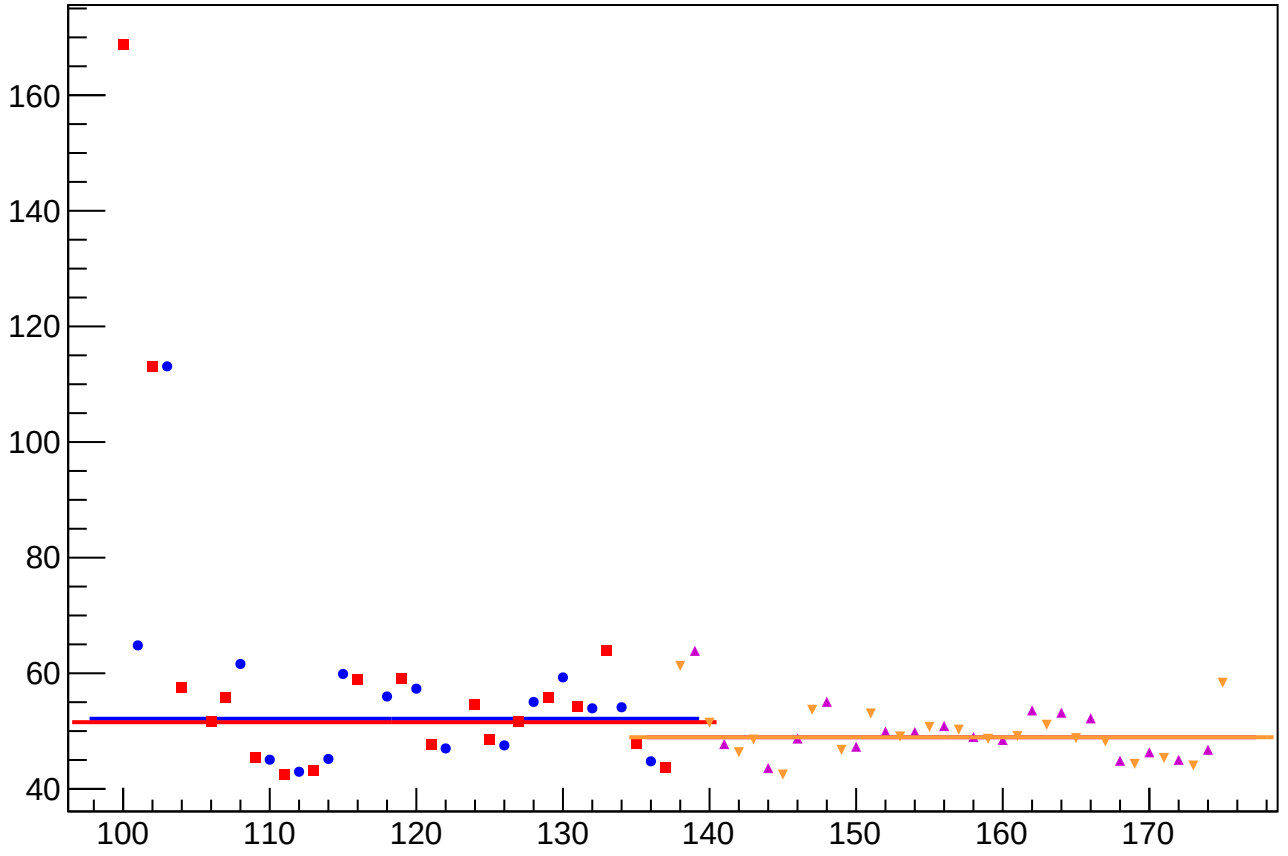
Left In: -52.417+/-12.778 χ^2/NDF:28.1/17

+ sign 31.908+/-10.527 χ^2/NDF: 40.5/35

All: -9.137+/-7.507 χ^2/NDF: 128.8/72

- sign -51.606+/-10.708 χ^2/NDF: 57.4/36

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.934+/-0.009 χ^2/NDF:228081.0/19

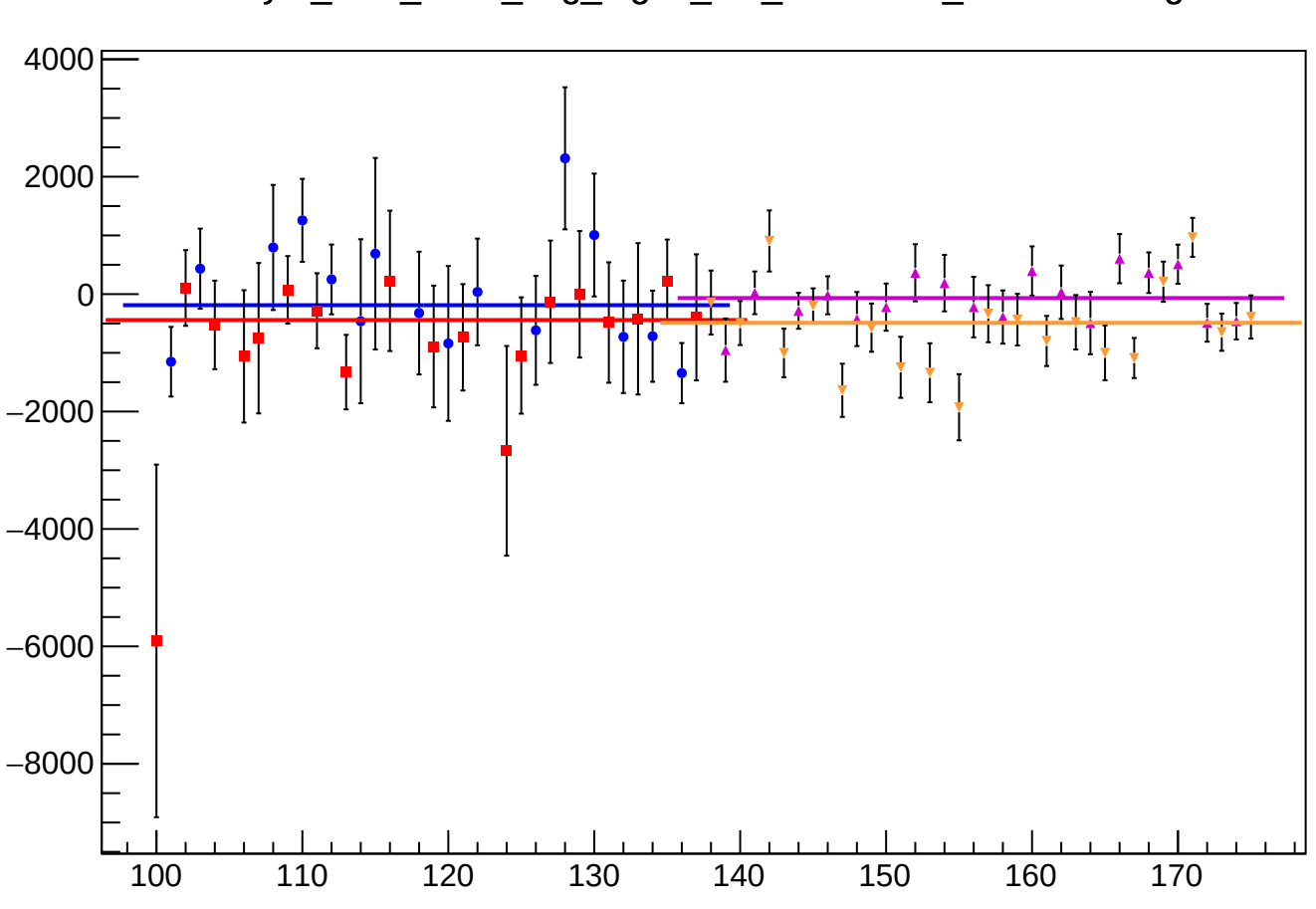
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 48.937+/-0.009 χ^2/NDF:205092.4/17

+ sign 49.819+/-0.007 χ^2/NDF: 827907.4/35

All: 49.766+/-0.005 χ^2/NDF: 1697601.5/72

- sign 49.712+/-0.008 χ^2/NDF: 869591.5/36



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -489.002+/-90.991 χ^2/NDF:56.8/19

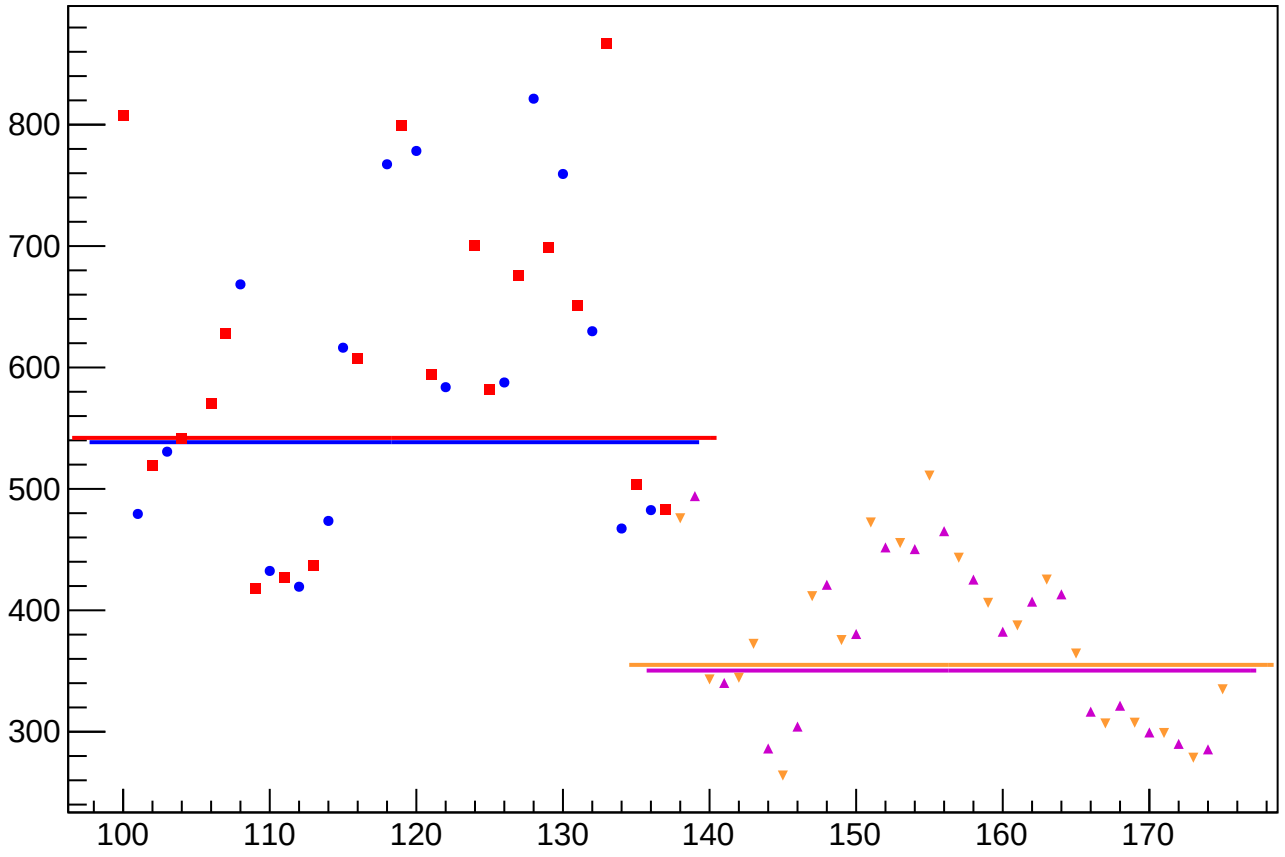
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -67.069+/-92.651 χ^2/NDF:18.0/17

+ sign -439.876+/-83.221 χ^2/NDF: 79.9/35

All: -287.540+/-59.247 χ^2/NDF: 118.4/72

- sign -130.982+/-84.366 χ^2/NDF: 31.7/36



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 355.073+/-0.064 χ^2/NDF:1076291.8/19

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

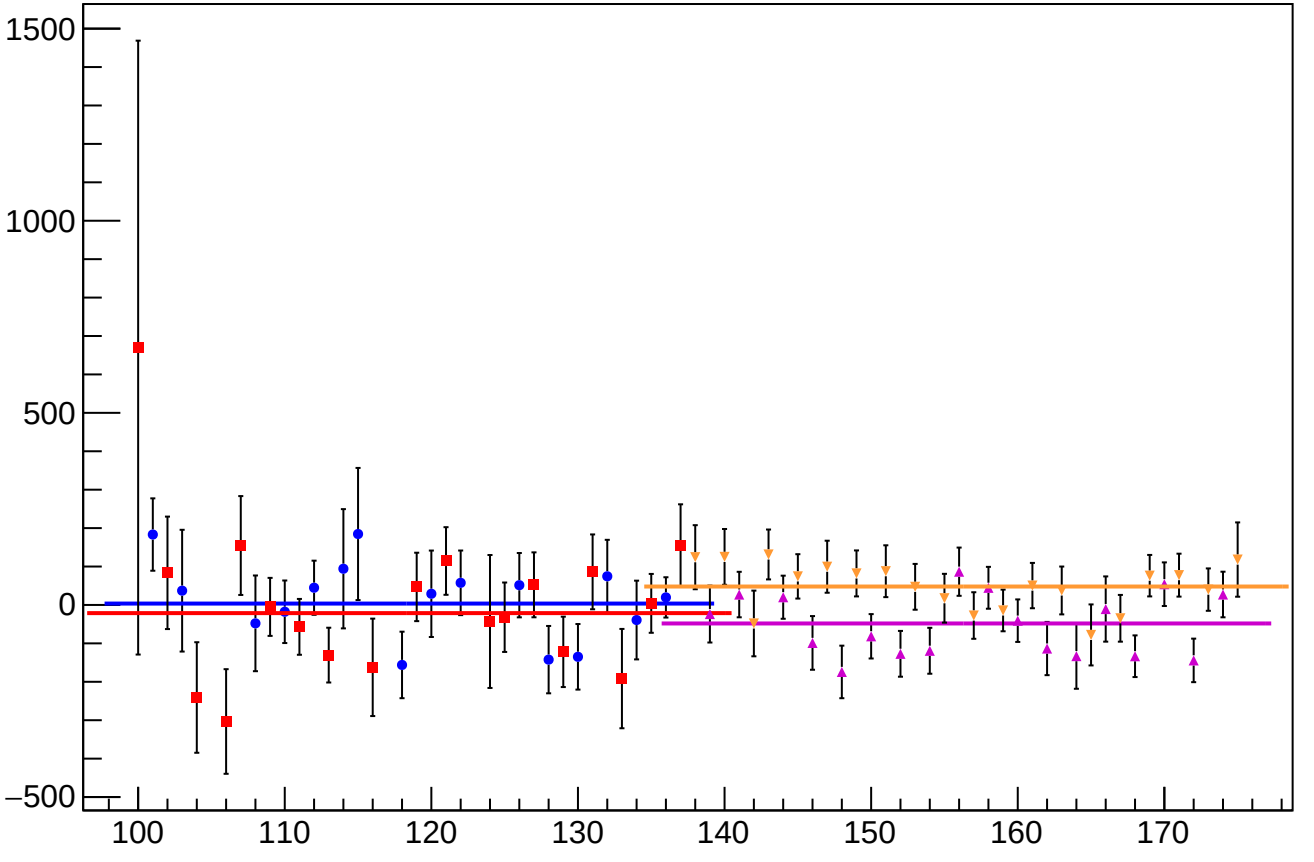
Left In: 350.383+/-0.066 χ^2/NDF:960322.7/17

+ sign 385.059+/-0.059 χ^2/NDF: 3018744.7/35

All: 384.105+/-0.042 χ^2/NDF: 6073062.3/72

- sign 383.124+/-0.060 χ^2/NDF: 3053784.3/36

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 47.941+/-14.228 χ^2/NDF:14.9/19

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

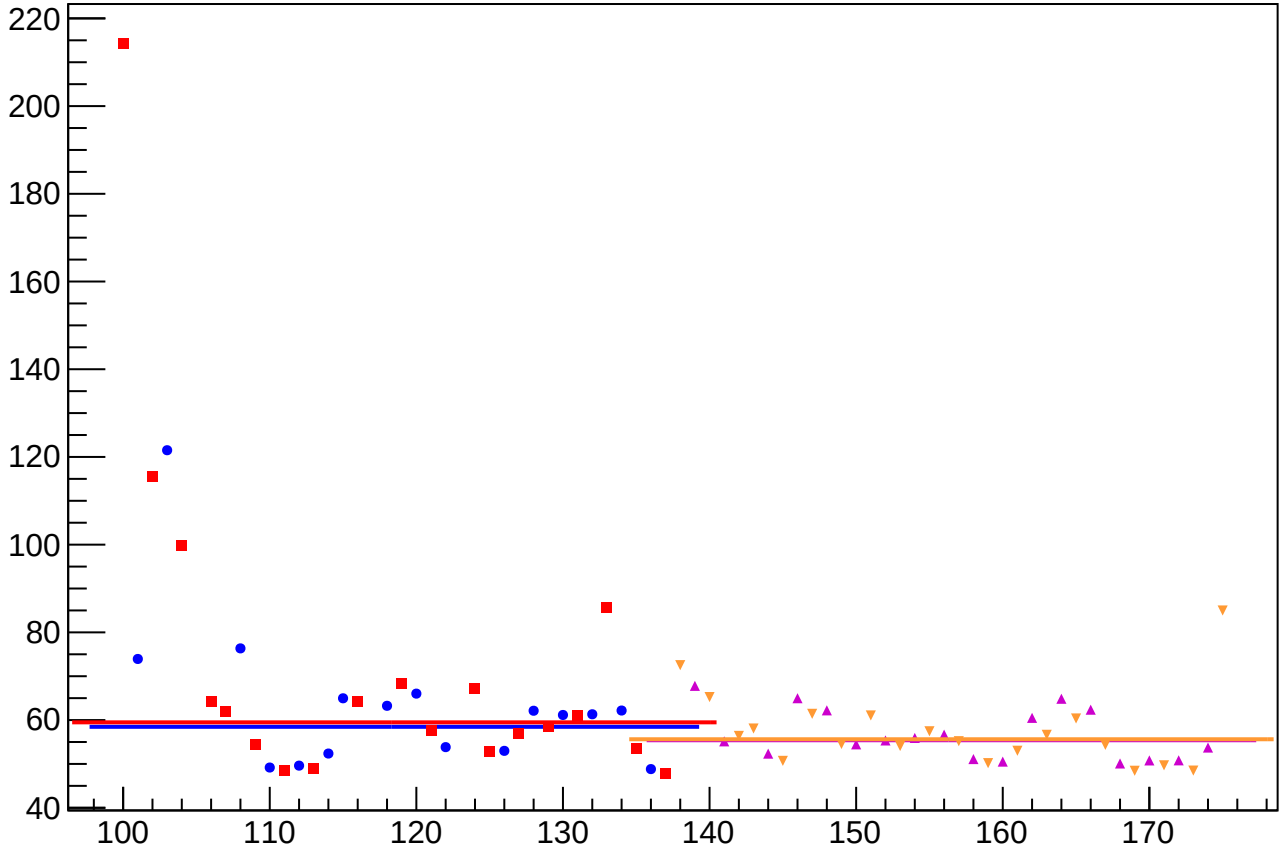
Left In: -48.188+/-14.565 χ^2/NDF:30.5/17

+ sign 35.259+/-12.022 χ^2/NDF: 33.9/35

All: -1.785+/-8.587 χ^2/NDF: 109.1/72

- sign -40.367+/-12.269 χ^2/NDF: 55.9/36

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 55.625+/-0.010 χ^2/NDF:474814.5/19

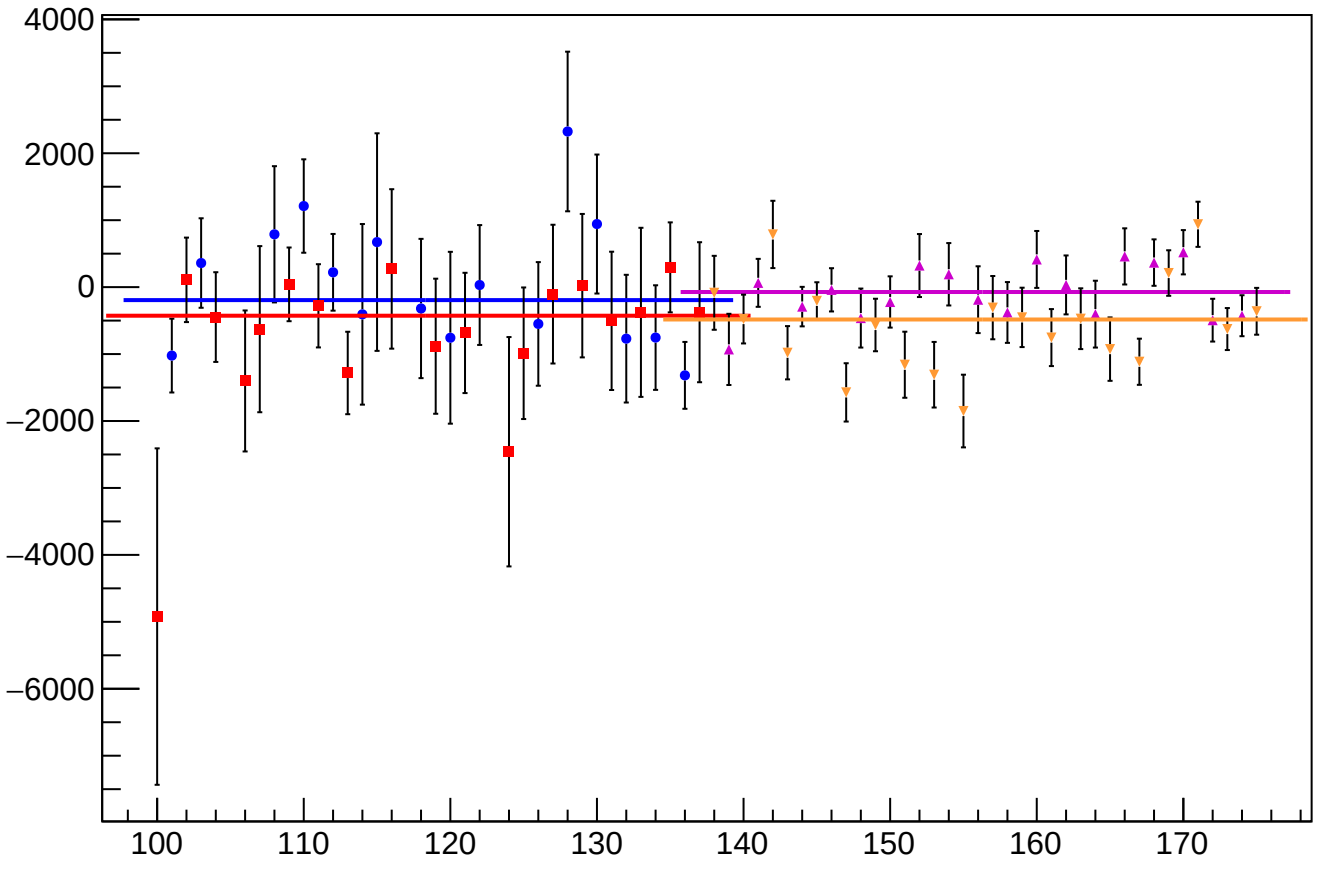
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 55.401+/-0.010 χ^2/NDF:244879.5/17

+ sign 56.438+/-0.009 χ^2/NDF: 1080588.0/35

All: 56.511+/-0.006 χ^2/NDF: 2156145.5/72

- sign 56.586+/-0.009 χ^2/NDF: 1075407.8/36



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -483.455+/-89.077 χ^2/NDF:53.9/19

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

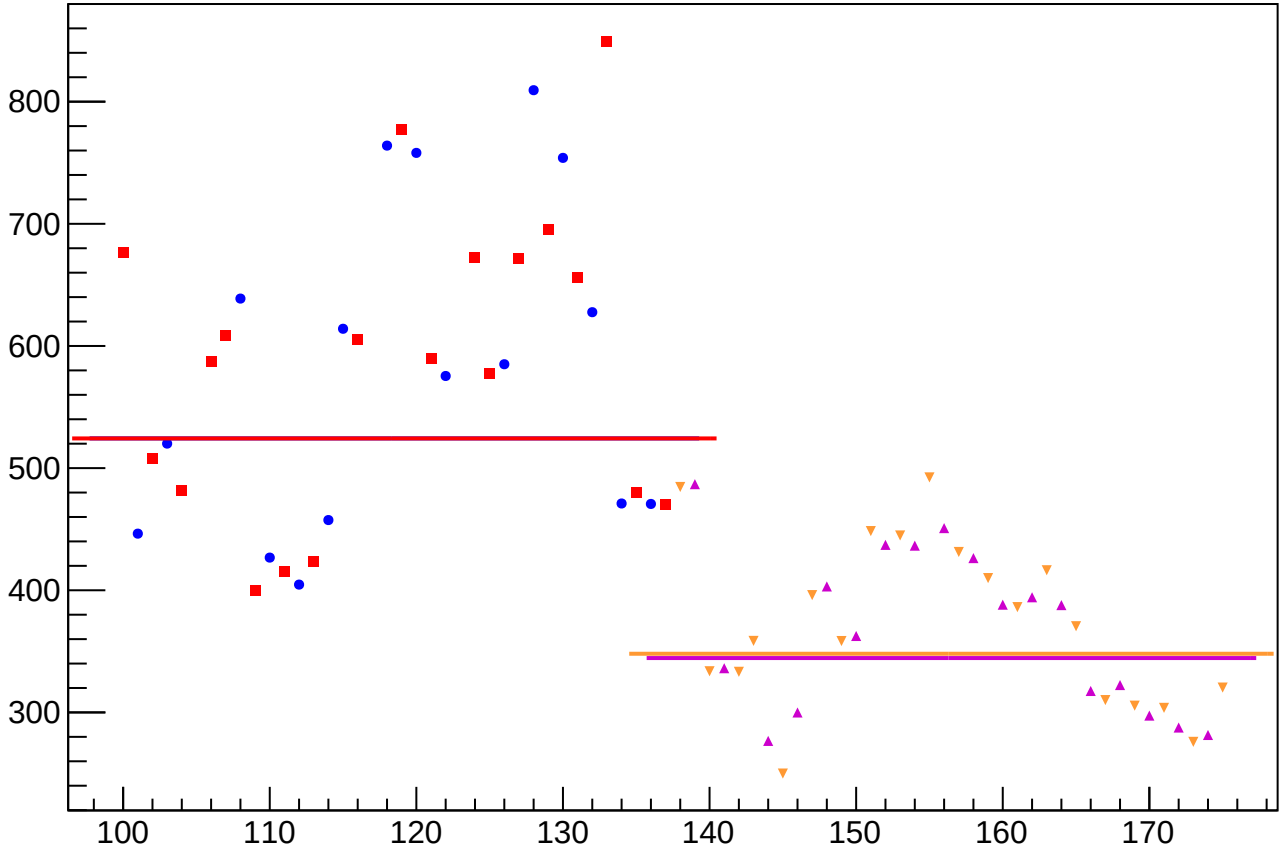
Left In: -72.955+/-91.035 χ^2/NDF:17.1/17

+ sign -435.765+/-81.411 χ^2/NDF: 76.4/35

All: -287.755+/-57.996 χ^2/NDF: 114.2/72

- sign -135.248+/-82.639 χ^2/NDF: 31.1/36

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 348.036+/-0.063 χ^2/NDF:1080786.0/19

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

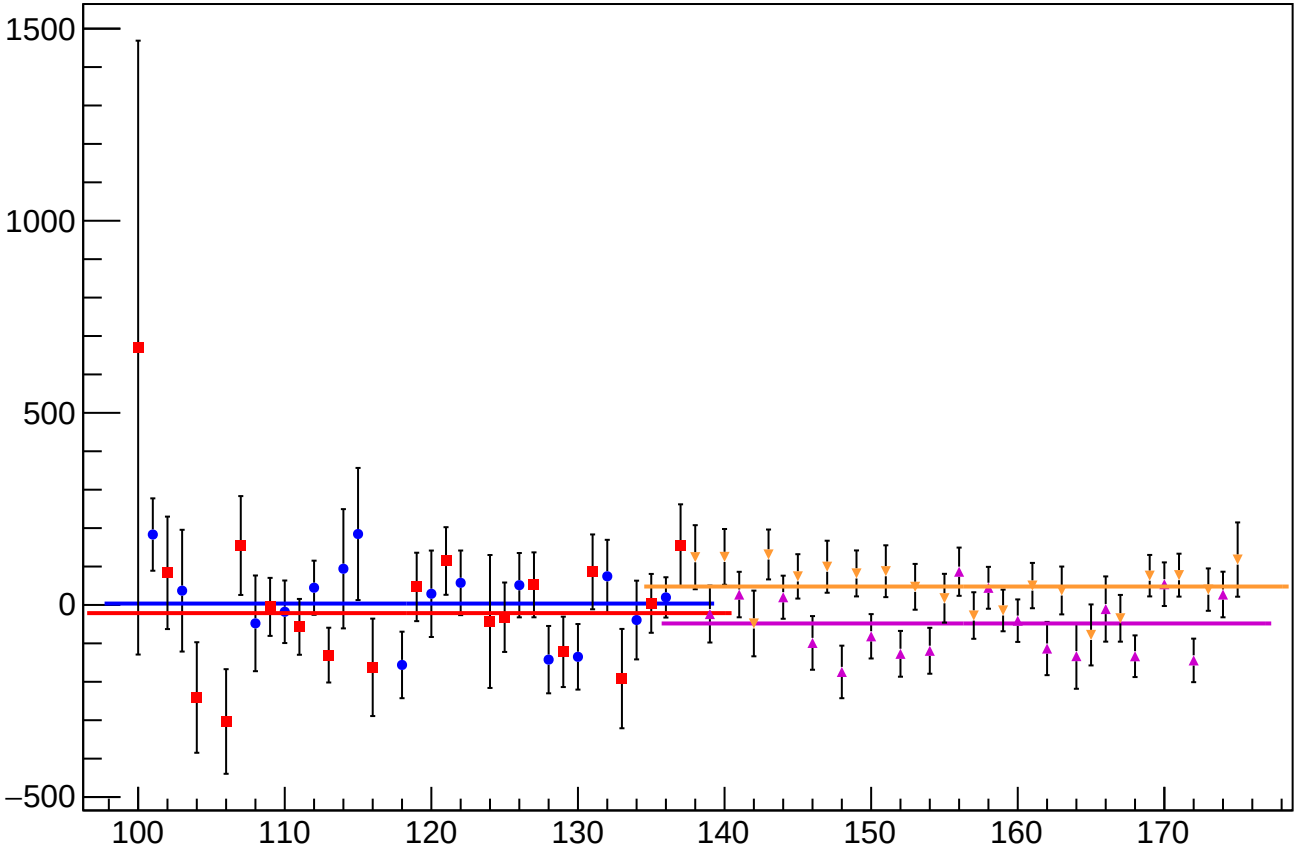
Left In: 344.507+/-0.064 χ^2/NDF:906128.1/17

\+ sign 377.071+/-0.058 χ^2/NDF: 3029462.8/35

All: 376.615+/-0.041 χ^2/NDF: 5994558.0/72

\- sign 376.144+/-0.058 χ^2/NDF: 2964967.7/36

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 47.942+/-14.228 χ^2/NDF:14.9/19

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

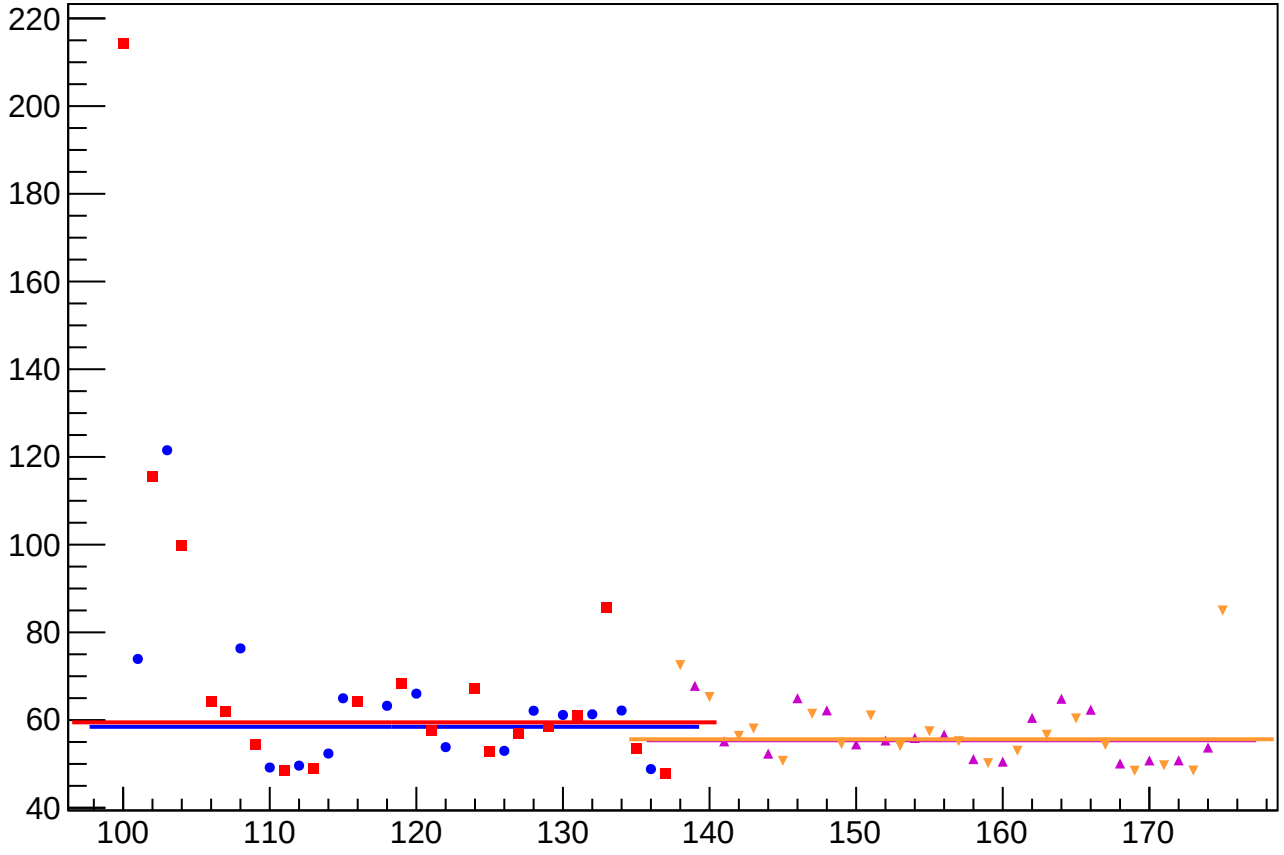
Left In: -48.187+/-14.565 χ^2/NDF:30.5/17

+ sign 35.259+/-12.022 χ^2/NDF: 33.9/35

All: -1.785+/-8.587 χ^2/NDF: 109.1/72

- sign -40.366+/-12.269 χ^2/NDF: 55.9/36

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 55.626+/-0.010 χ^2/NDF:474818.8/19

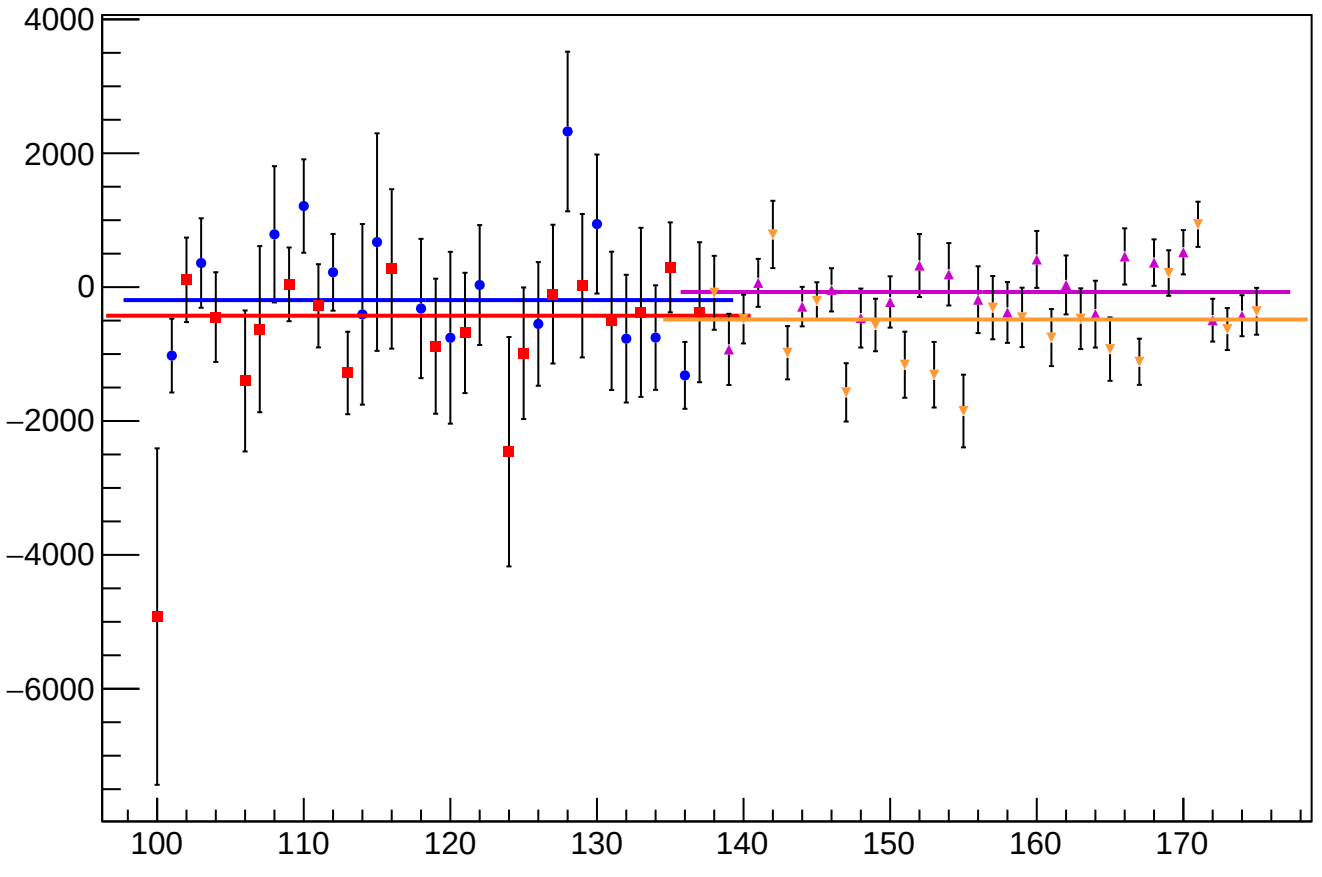
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 55.401+/-0.010 χ^2/NDF:244881.6/17

+ sign 56.438+/-0.009 χ^2/NDF: 1080588.1/35

All: 56.511+/-0.006 χ^2/NDF: 2156147.3/72

- sign 56.587+/-0.009 χ^2/NDF: 1075409.4/36



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -483.455+/-89.077 χ^2/NDF:53.9/19

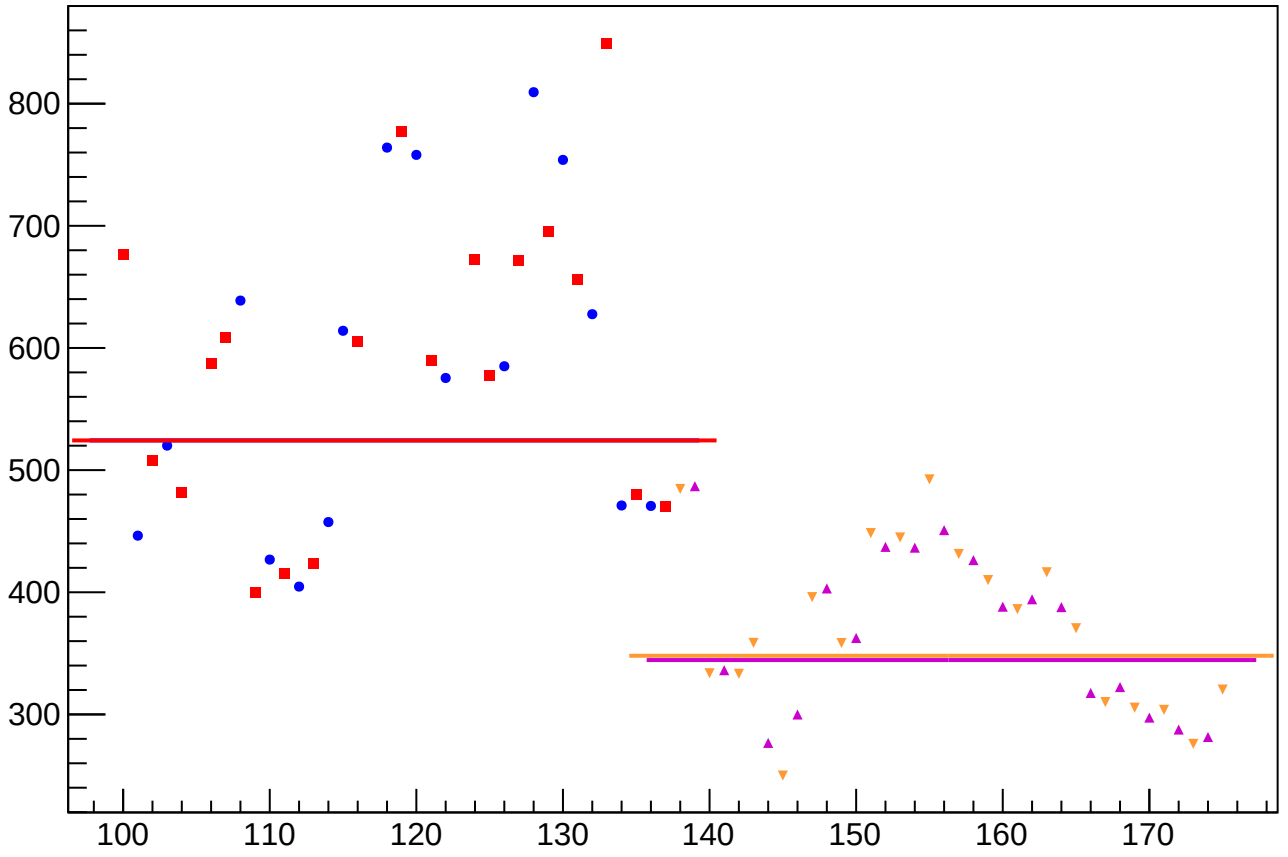
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -72.954+/-91.035 χ^2/NDF:17.1/17

+ sign -435.765+/-81.411 χ^2/NDF: 76.4/35

All: -287.755+/-57.996 χ^2/NDF: 114.2/72

- sign -135.248+/-82.639 χ^2/NDF: 31.1/36



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 348.036+/-0.063 χ^2/NDF:1080780.7/19

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

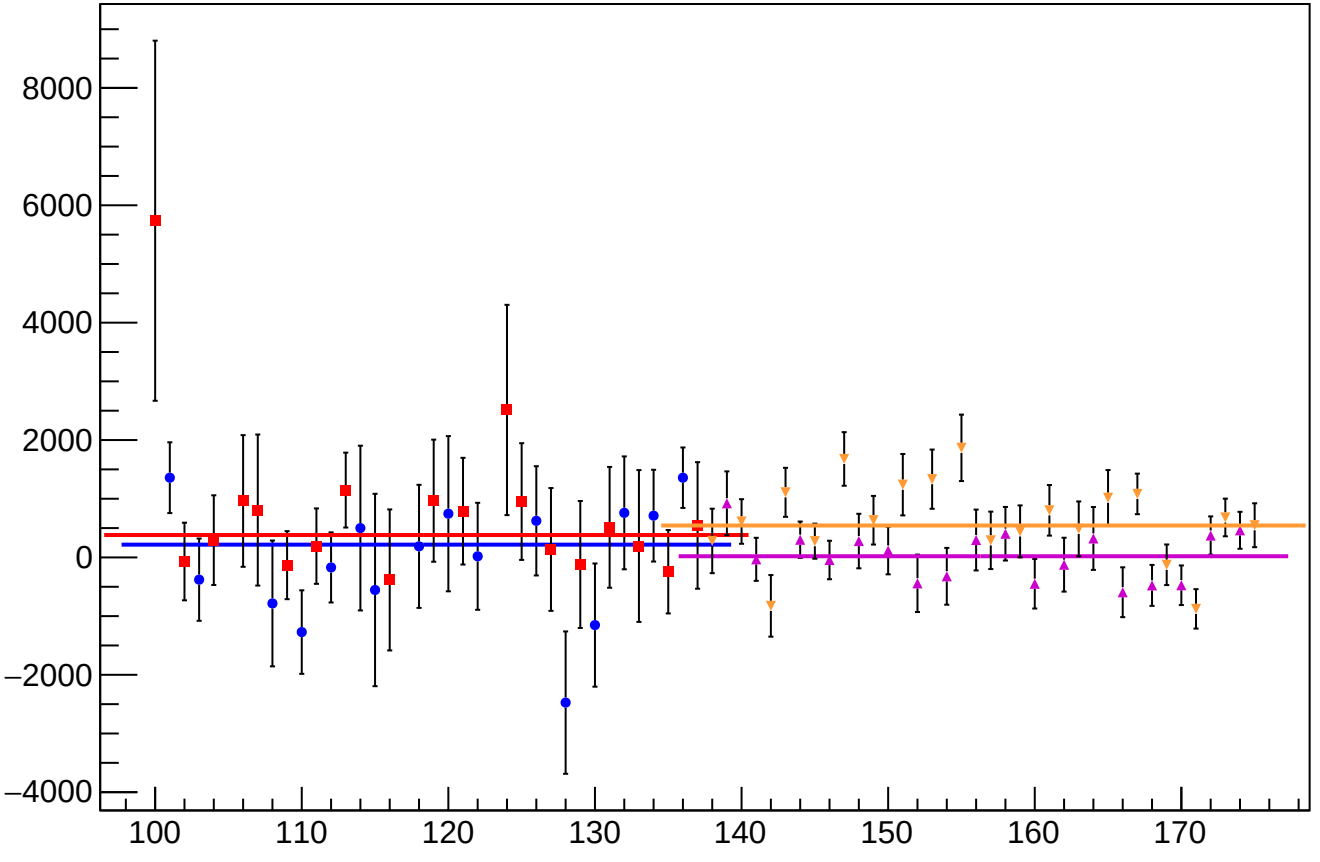
Left In: 344.507+/-0.064 χ^2/NDF:906120.8/17

+ sign 377.070+/-0.058 χ^2/NDF: 3029455.2/35

All: 376.614+/-0.041 χ^2/NDF: 5994536.1/72

- sign 376.144+/-0.058 χ^2/NDF: 2964953.4/36

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 543.921+/-91.917 χ^2/NDF:51.5/19

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

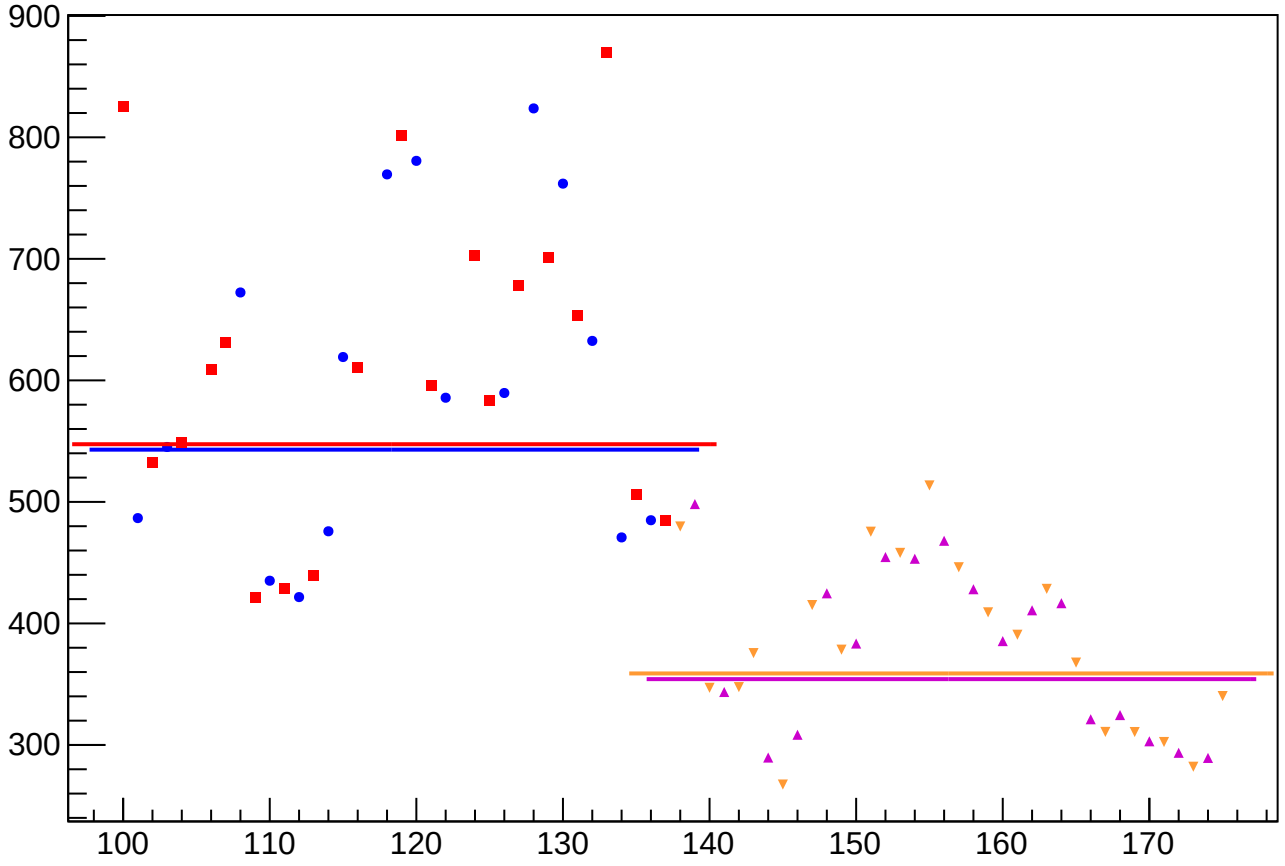
Left In: 20.058+/-93.611 χ^2/NDF:17.4/17

+ sign 490.414+/-84.040 χ^2/NDF: 76.5/35

All: 289.085+/-59.830 χ^2/NDF: 118.1/72

- sign 82.186+/-85.195 χ^2/NDF: 30.0/36

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 358.847+/-0.065 χ^2/NDF:1050125.1/19

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

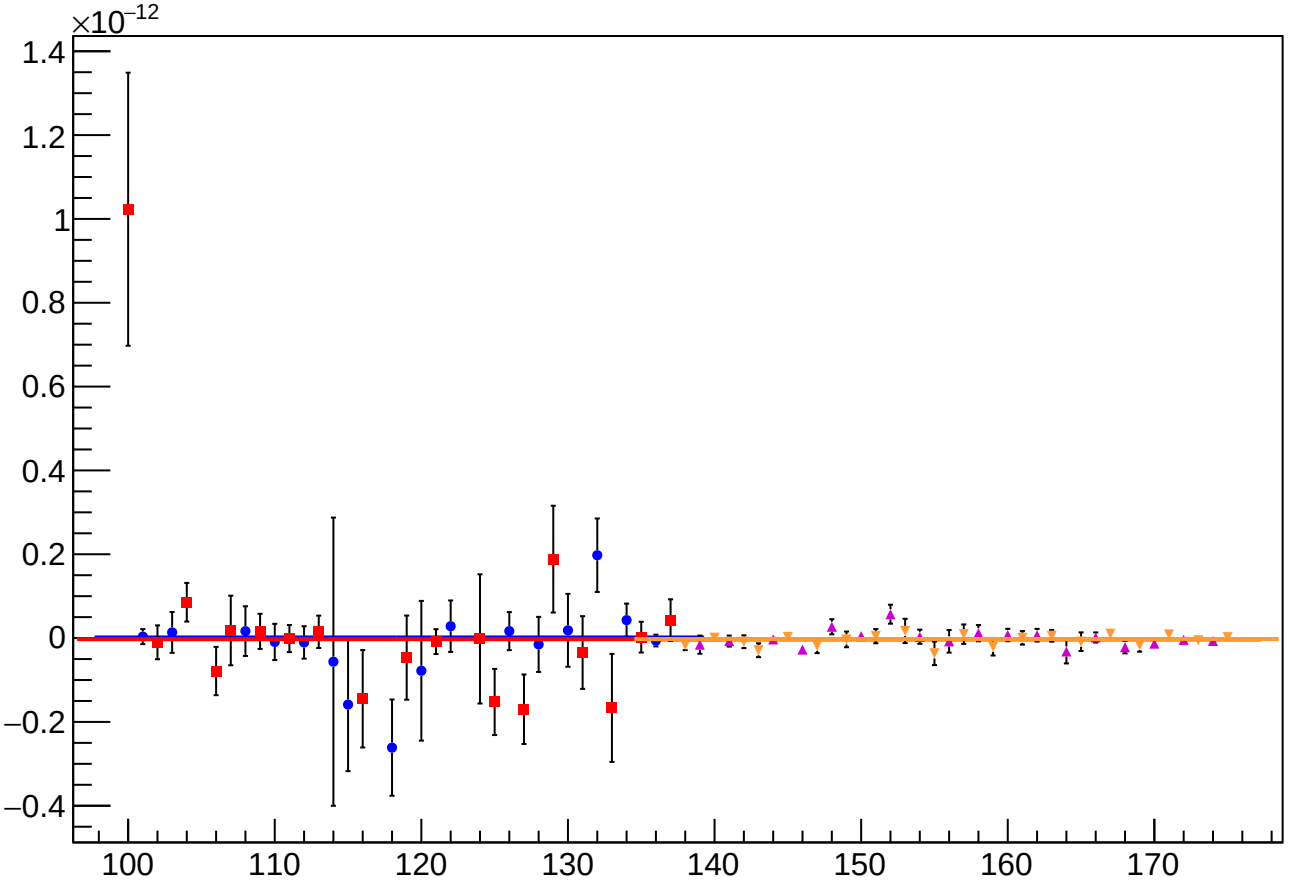
Left In: 354.171+/-0.066 χ^2/NDF:936730.5/17

+ sign 389.056+/-0.059 χ^2/NDF: 2972283.9/35

All: 388.222+/-0.042 χ^2/NDF: 6004077.4/72

- sign 387.365+/-0.060 χ^2/NDF: 3031394.1/36

asym_sam_1357_avg_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:12.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

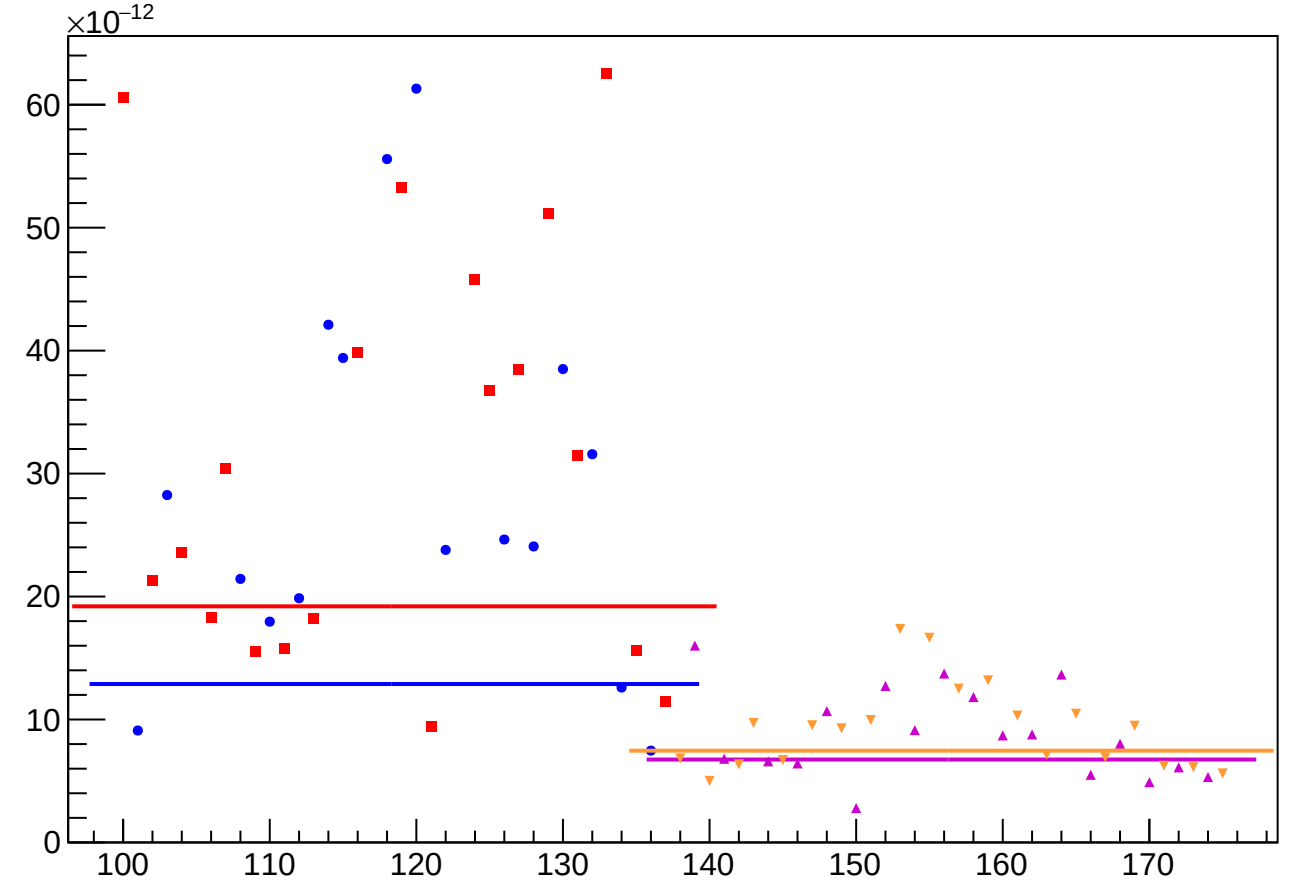
Left In: -0.000+/-0.000 χ^2/NDF:21.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 25.9/35

All: -0.000+/-0.000 χ^2/NDF: 77.4/72

- sign -0.000+/-0.000 χ^2/NDF: 51.4/36

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:1282119.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

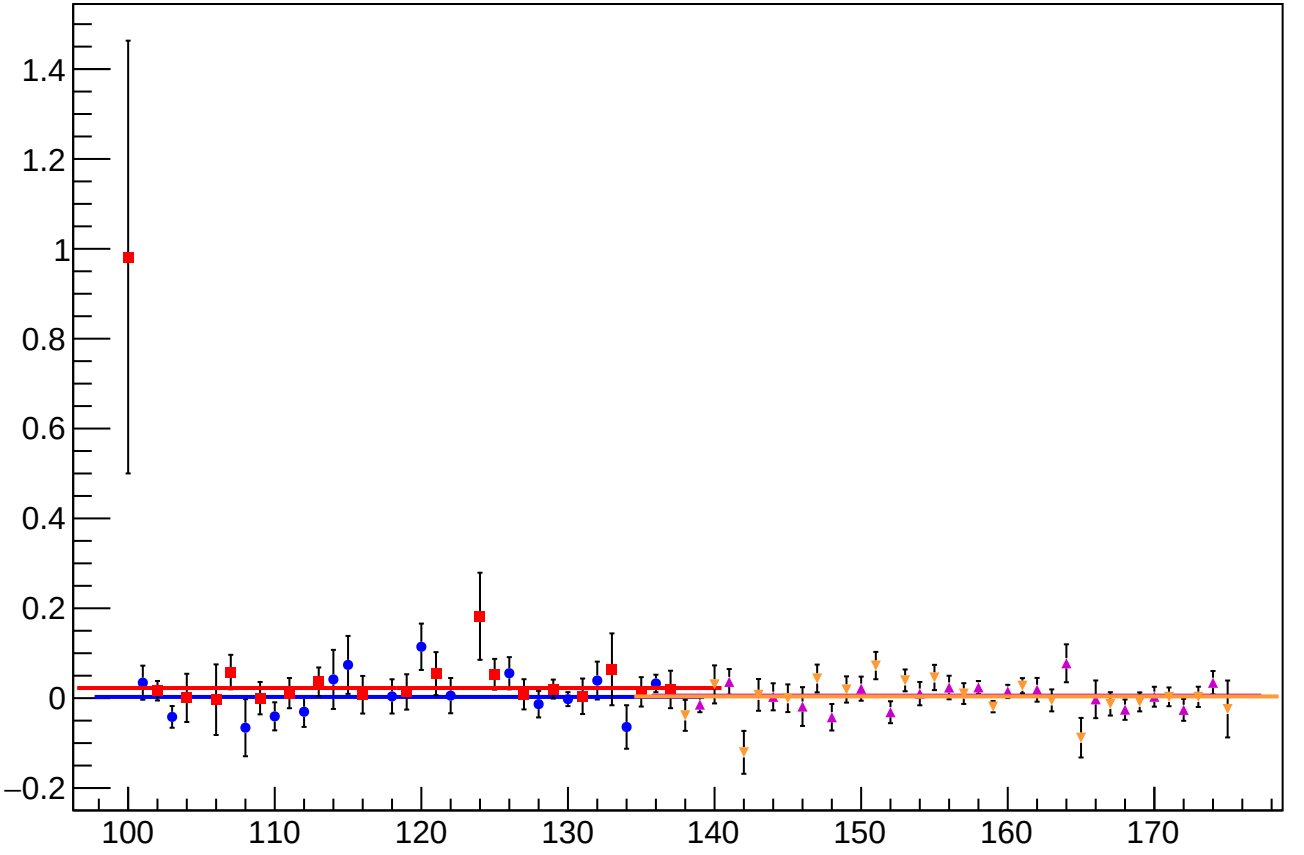
Left In: 0.000+/-0.000 χ^2/NDF:1703786.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 3679807.8/35

All: 0.000+/-0.000 χ^2/NDF: 8758803.2/72

- sign 0.000+/-0.000 χ^2/NDF: 5049772.5/36

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.9/19

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

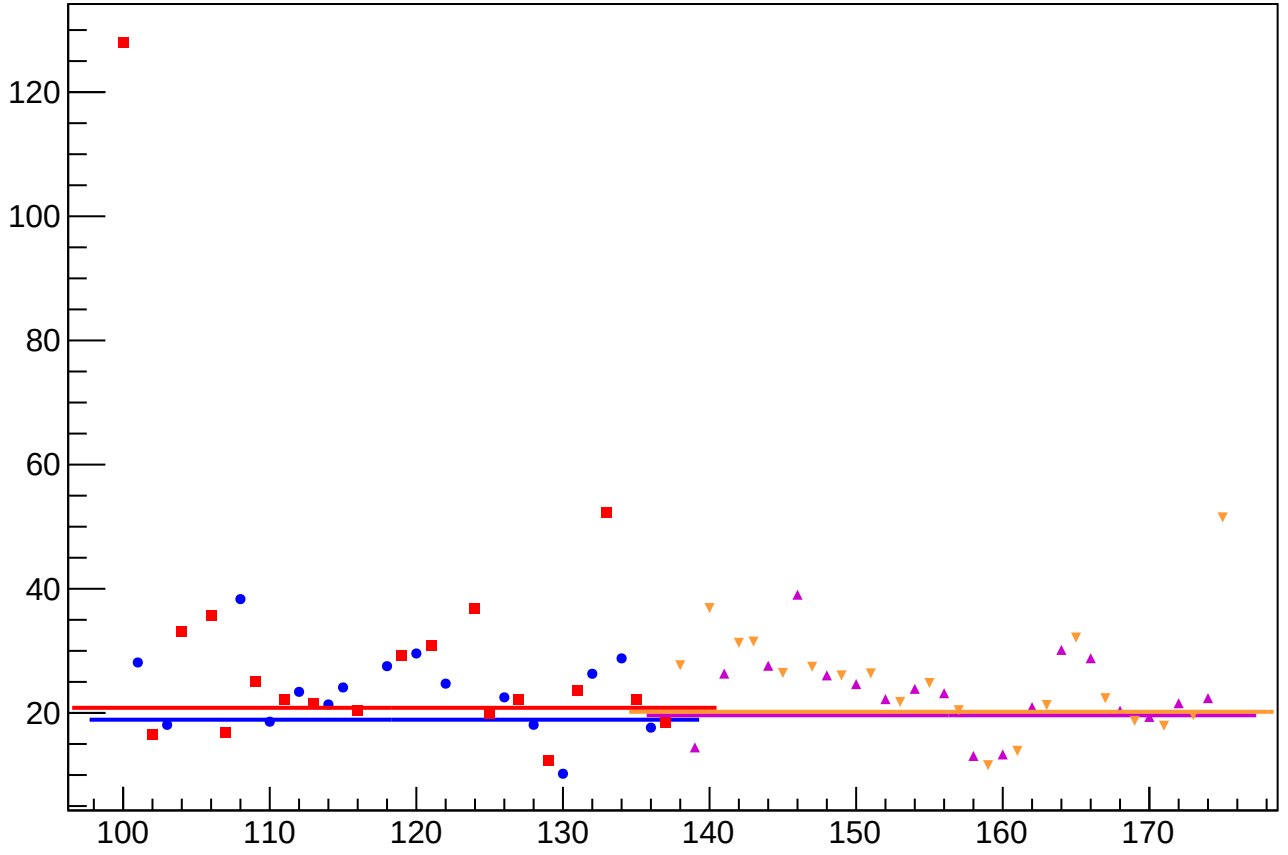
Left In: 0.006+/-0.006 χ^2/NDF:18.7/17

+ sign 0.003+/-0.005 χ^2/NDF: 52.8/35

All: 0.007+/-0.003 χ^2/NDF: 86.4/72

- sign 0.011+/-0.005 χ^2/NDF: 32.3/36

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.185+/-0.004 χ^2/NDF:3027232.4/19

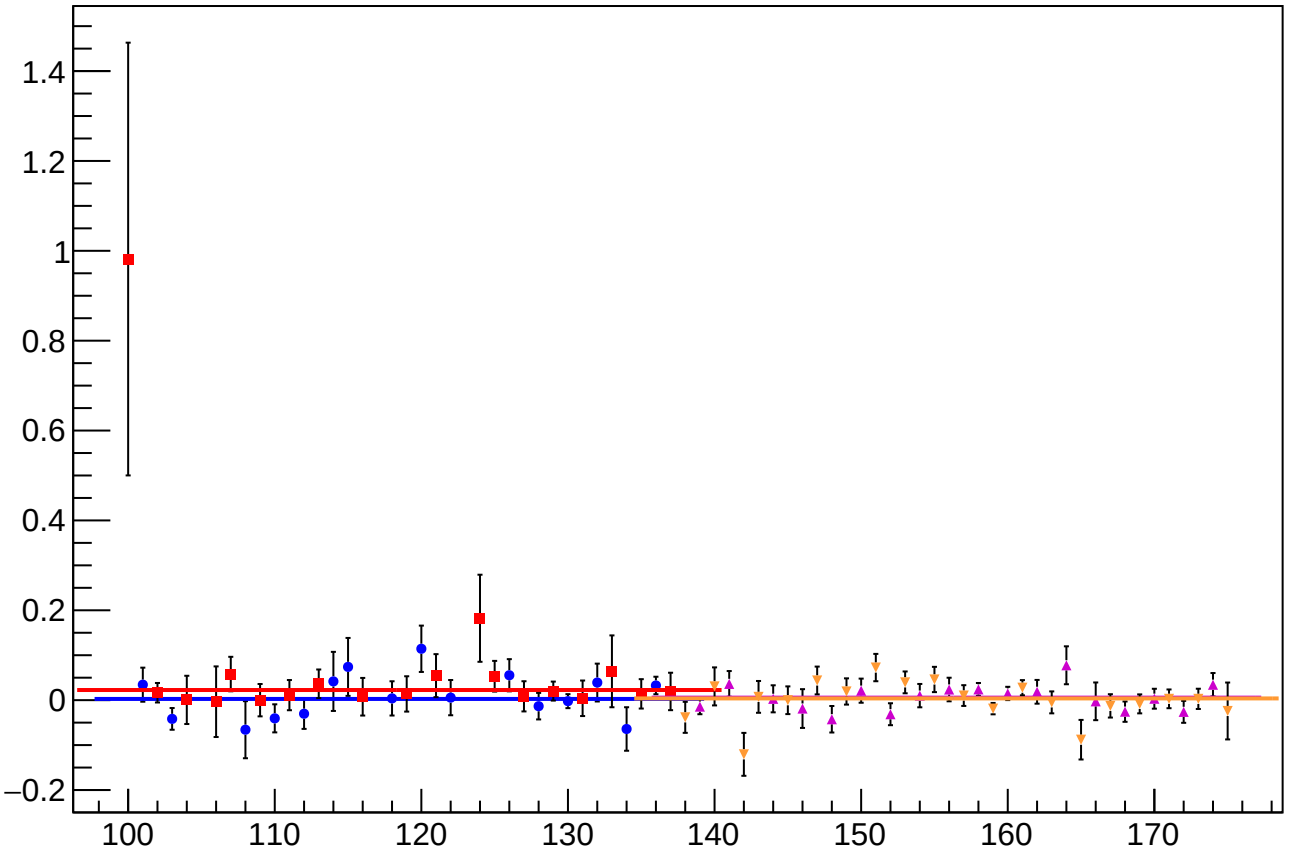
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.620+/-0.004 χ^2/NDF:2170157.4/17

+ sign 19.753+/-0.003 χ^2/NDF: 4452799.0/35

All: 19.865+/-0.002 χ^2/NDF: 7945526.3/72

- sign 19.982+/-0.003 χ^2/NDF: 3490240.7/36



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.9/19

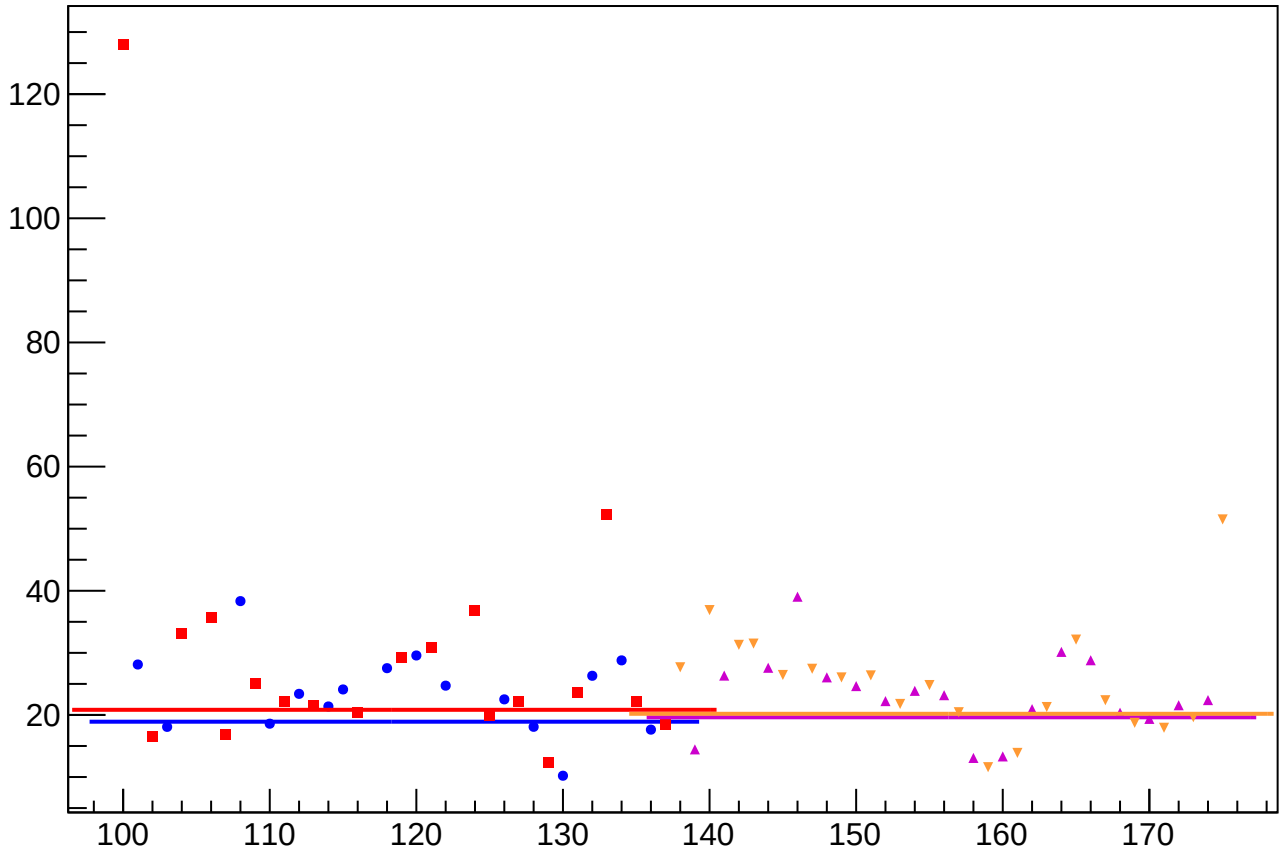
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.006+/-0.006 χ^2/NDF:18.7/17

+ sign 0.003+/-0.005 χ^2/NDF: 52.8/35

All: 0.007+/-0.003 χ^2/NDF: 86.4/72

- sign 0.011+/-0.005 χ^2/NDF: 32.3/36



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.185+/-0.004 χ^2/NDF:3027232.4/19

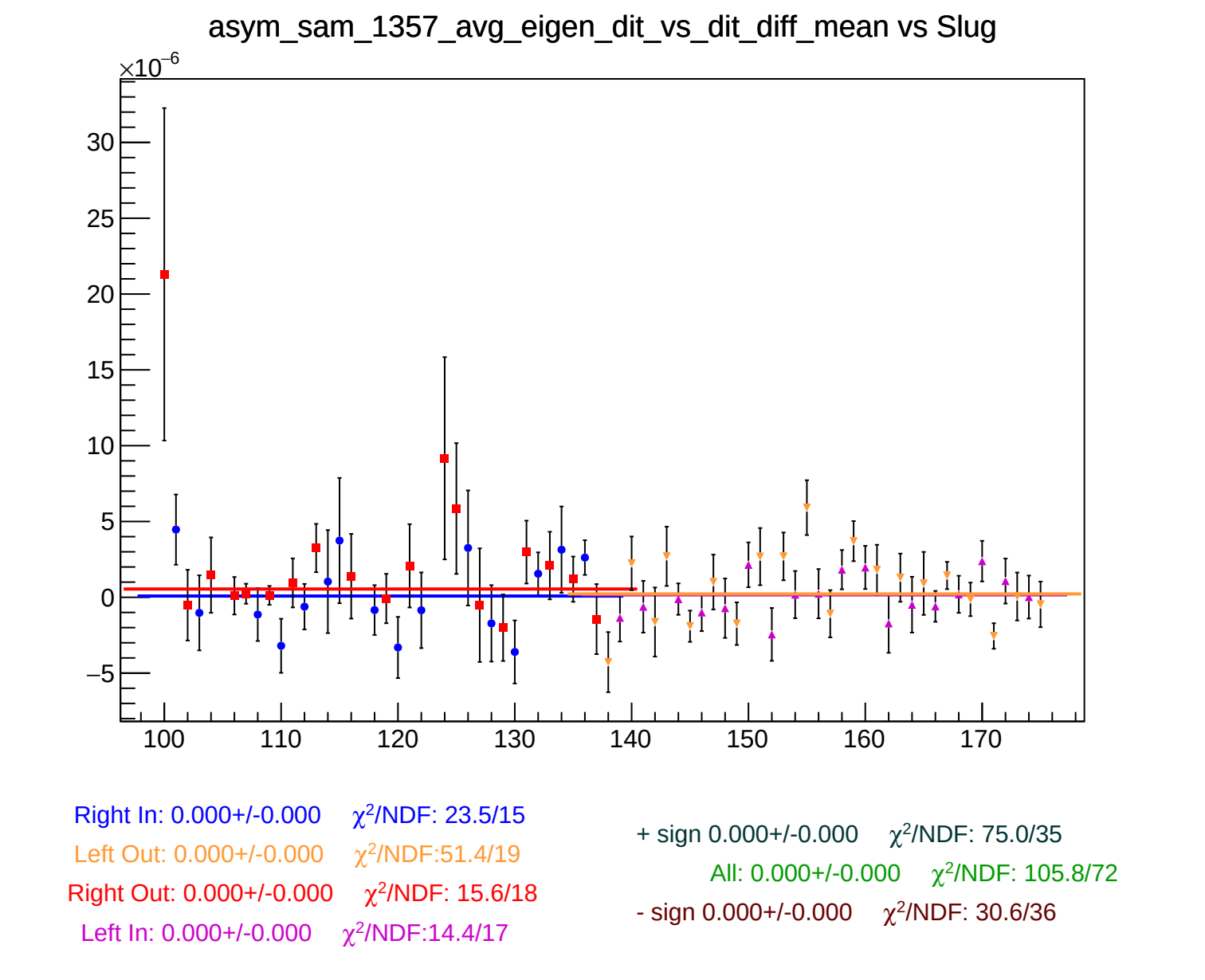
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

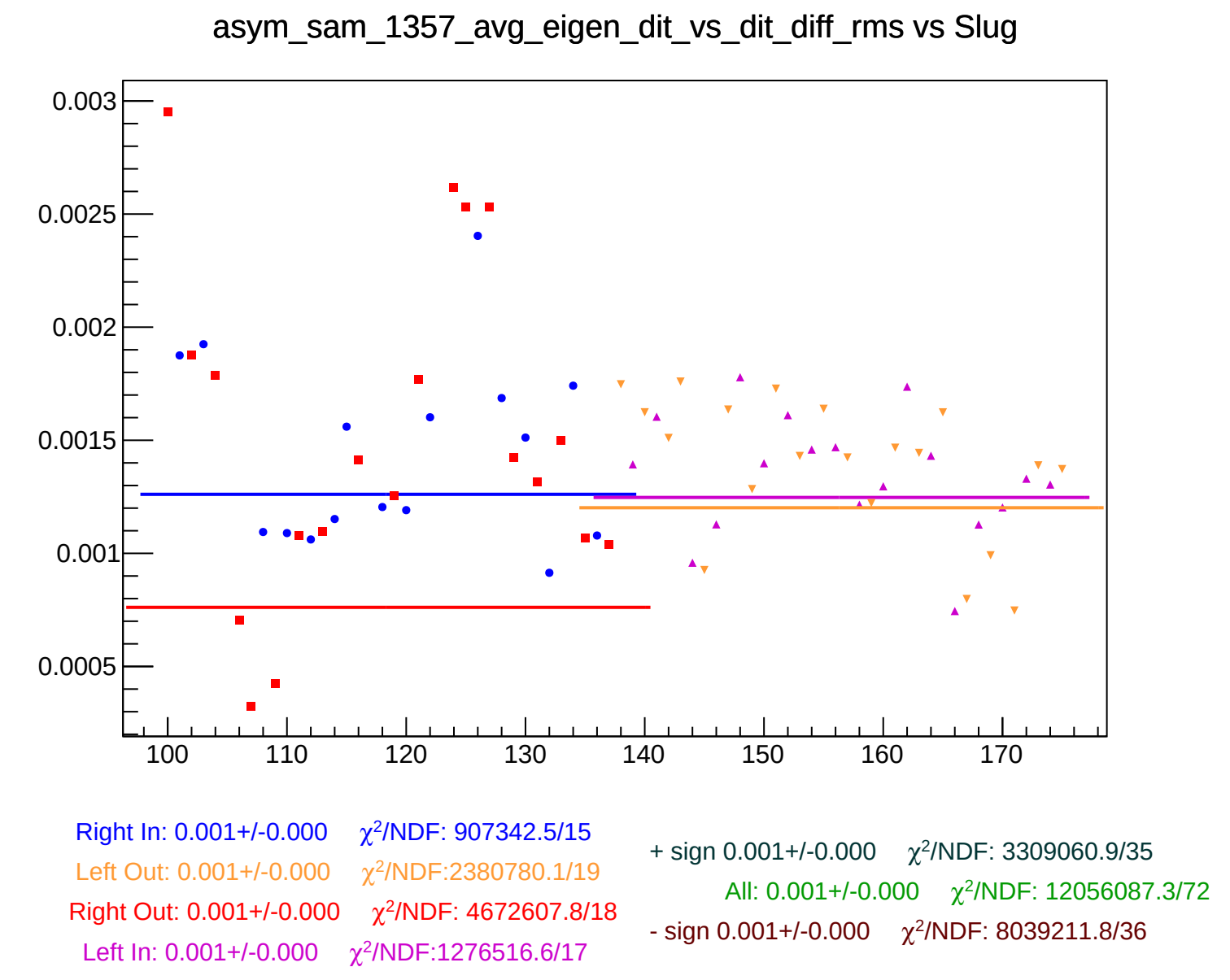
Left In: 19.620+/-0.004 χ^2/NDF:2170157.4/17

+ sign 19.753+/-0.003 χ^2/NDF: 4452799.0/35

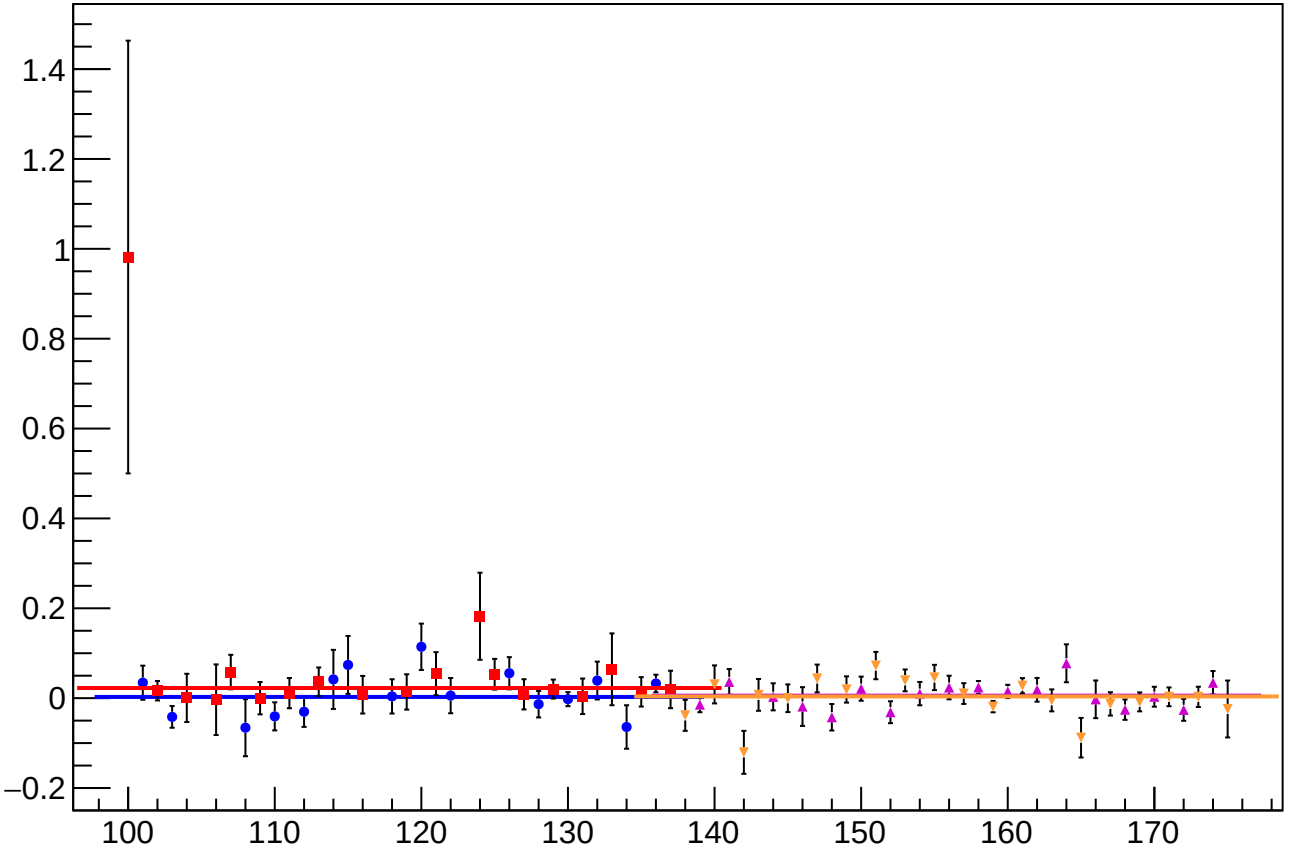
All: 19.865+/-0.002 χ^2/NDF: 7945526.3/72

- sign 19.982+/-0.003 χ^2/NDF: 3490240.7/36


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−6
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 23.5/15
Left Out: 0.000+/-0.000 χ²/NDF:51.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/18
Left In: 0.000+/-0.000 χ²/NDF:14.4/17
+ sign 0.000+/-0.000 χ²/NDF: 75.0/35
All: 0.000+/-0.000 χ²/NDF: 105.8/72
- sign 0.000+/-0.000 χ²/NDF: 30.6/36


asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 907342.5/15
Left Out: 0.001+/-0.000 χ²/NDF:2380780.1/19
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:1276516.6/17
+ sign 0.001+/-0.000 χ²/NDF: 3309060.9/35
All: 0.001+/-0.000 χ²/NDF: 12056087.3/72
- sign 0.001+/-0.000 χ²/NDF: 8039211.8/36

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.9/19

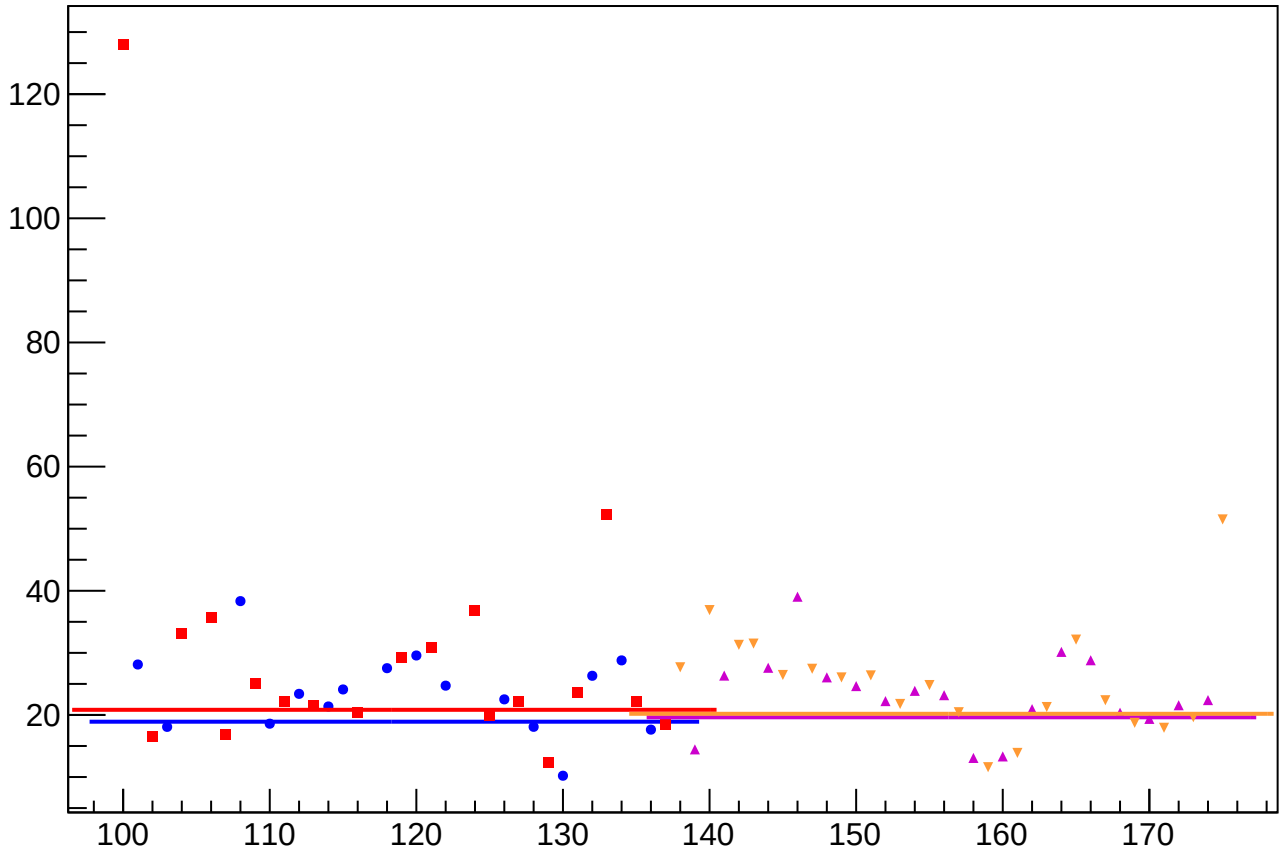
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.006+/-0.006 χ^2/NDF:18.7/17

+ sign 0.003+/-0.005 χ^2/NDF: 52.8/35

All: 0.007+/-0.003 χ^2/NDF: 86.4/72

- sign 0.011+/-0.005 χ^2/NDF: 32.3/36



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.185+/-0.004 χ^2/NDF:3027421.0/19

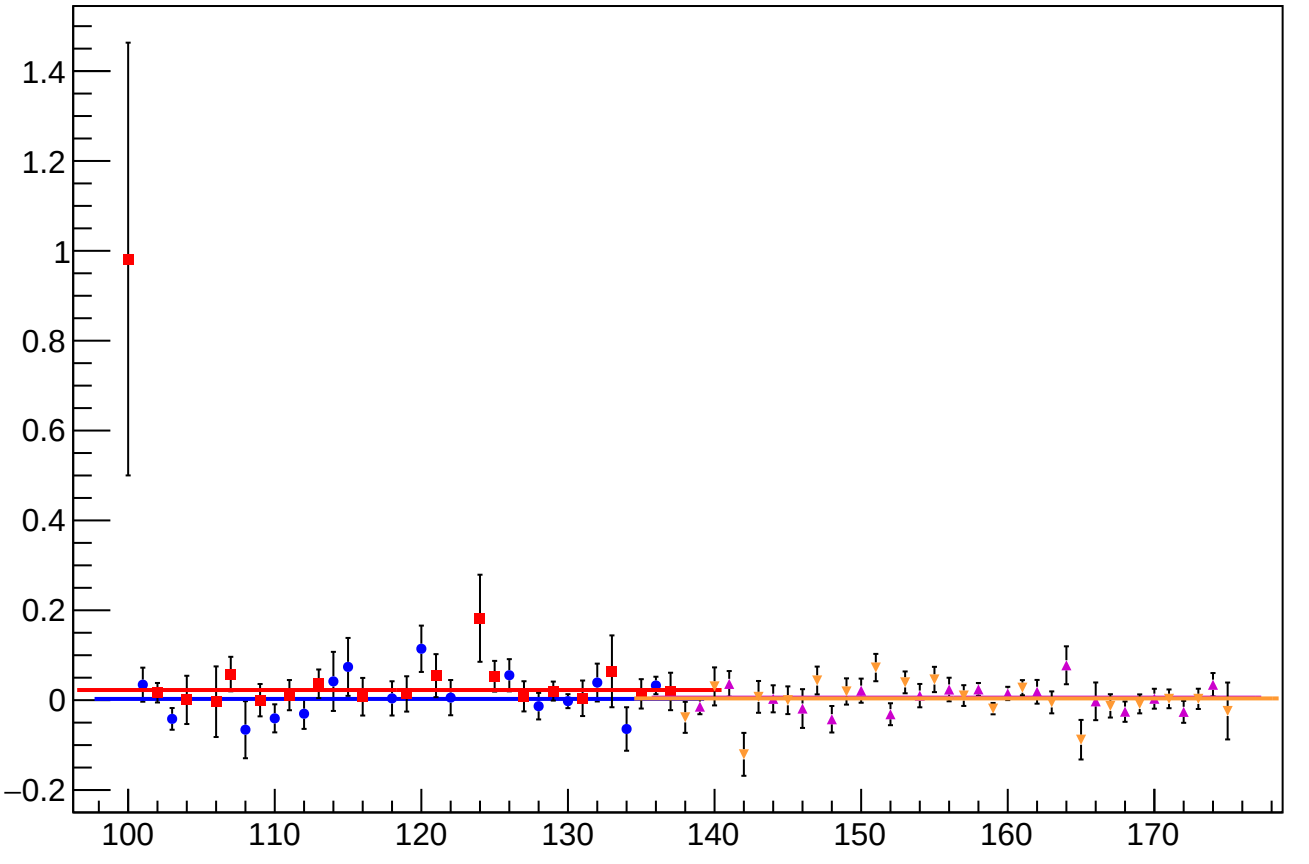
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.620+/-0.004 χ^2/NDF:2170261.2/17

+ sign 19.753+/-0.003 χ^2/NDF: 4452852.2/35

All: 19.866+/-0.002 χ^2/NDF: 7945679.3/72

- sign 19.982+/-0.003 χ^2/NDF: 3490340.0/36



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.9/19

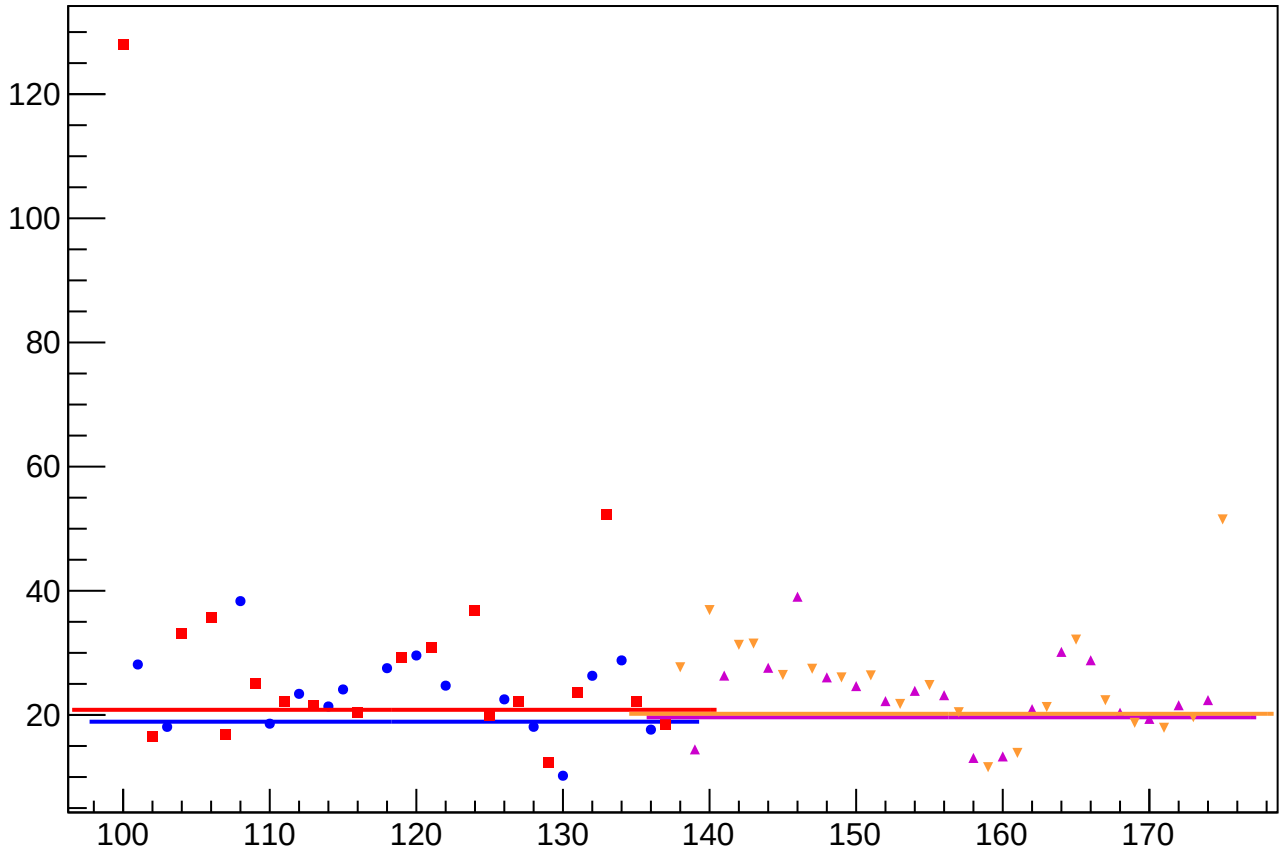
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.006+/-0.006 χ^2/NDF:18.7/17

+ sign 0.003+/-0.005 χ^2/NDF: 52.8/35

All: 0.007+/-0.003 χ^2/NDF: 86.4/72

- sign 0.011+/-0.005 χ^2/NDF: 32.3/36



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.185+/-0.004 χ^2/NDF:3027421.0/19

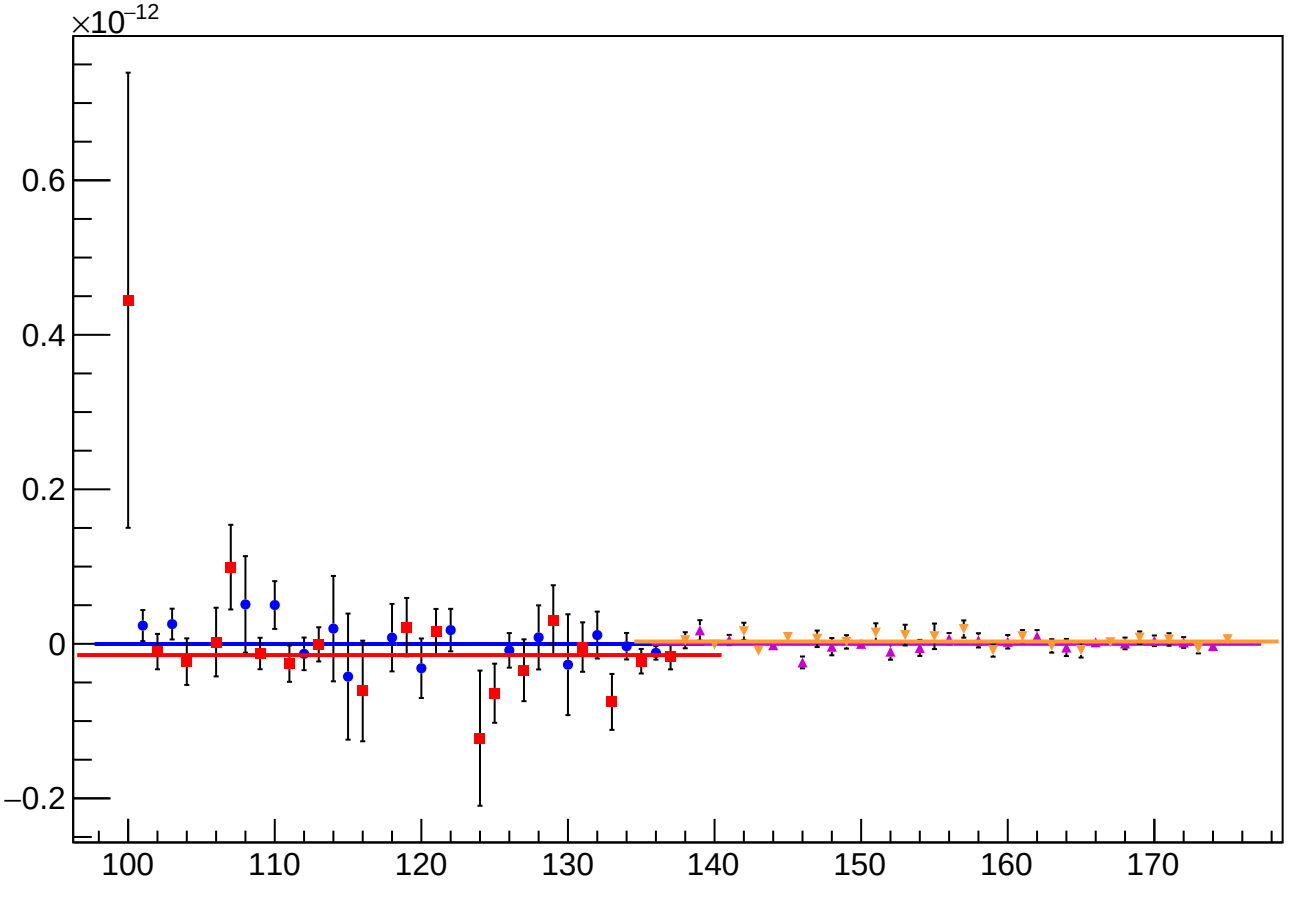
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.620+/-0.004 χ^2/NDF:2170261.2/17

+ sign 19.753+/-0.003 χ^2/NDF: 4452852.2/35

All: 19.866+/-0.002 χ^2/NDF: 7945679.3/72

- sign 19.982+/-0.003 χ^2/NDF: 3490340.0/36



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/19

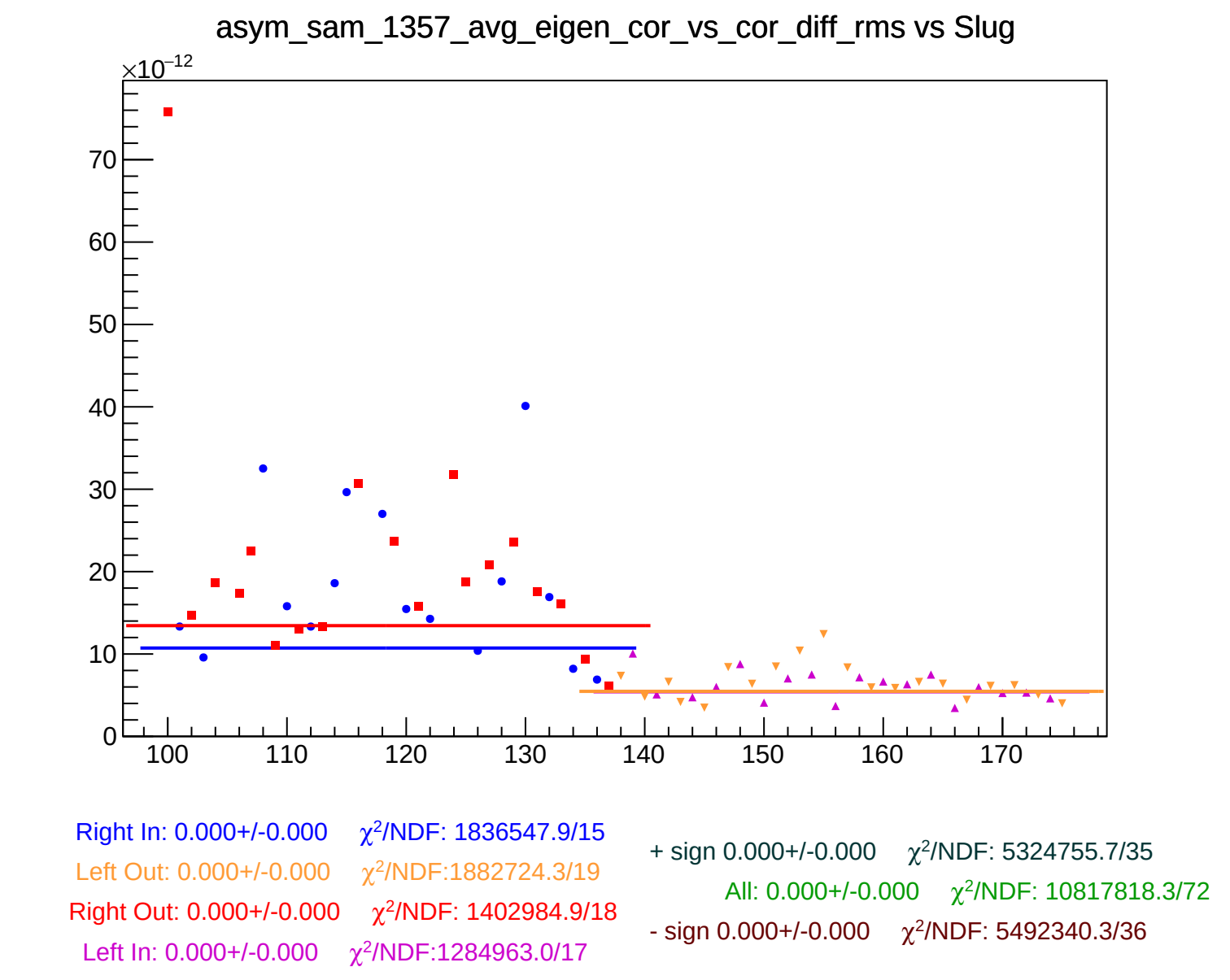
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:17.1/17

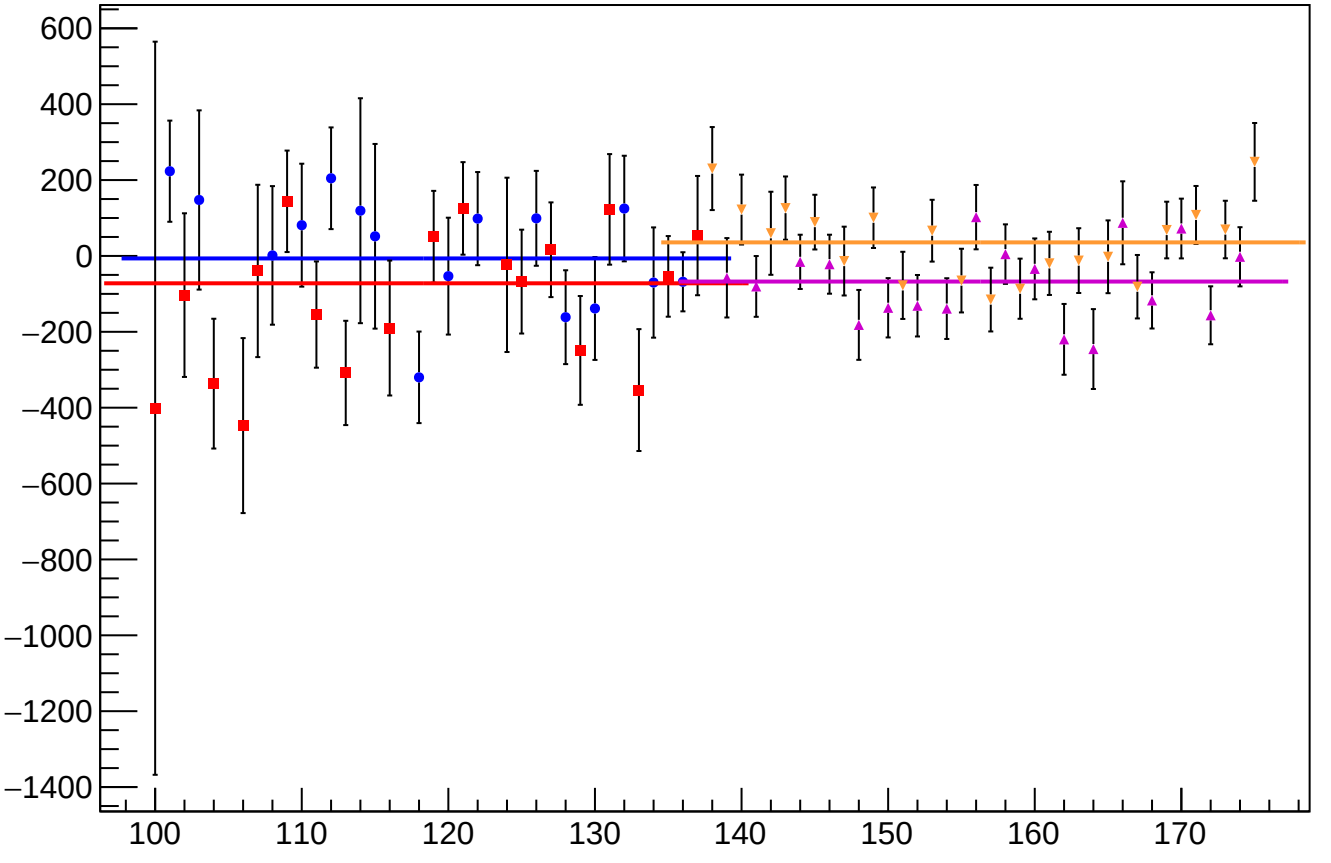
+ sign 0.000+/-0.000 χ^2/NDF: 27.9/35

All: 0.000+/-0.000 χ^2/NDF: 69.7/72

- sign -0.000+/-0.000 χ^2/NDF: 39.4/36


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:1882724.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:1284963.0/17
+ sign 0.000+/-0.000 χ²/NDF: 5324755.7/35
All: 0.000+/-0.000 χ²/NDF: 10817818.3/72
- sign 0.000+/-0.000 χ²/NDF: 5492340.3/36

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 35.710+/-18.988 χ^2/NDF:24.0/19

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

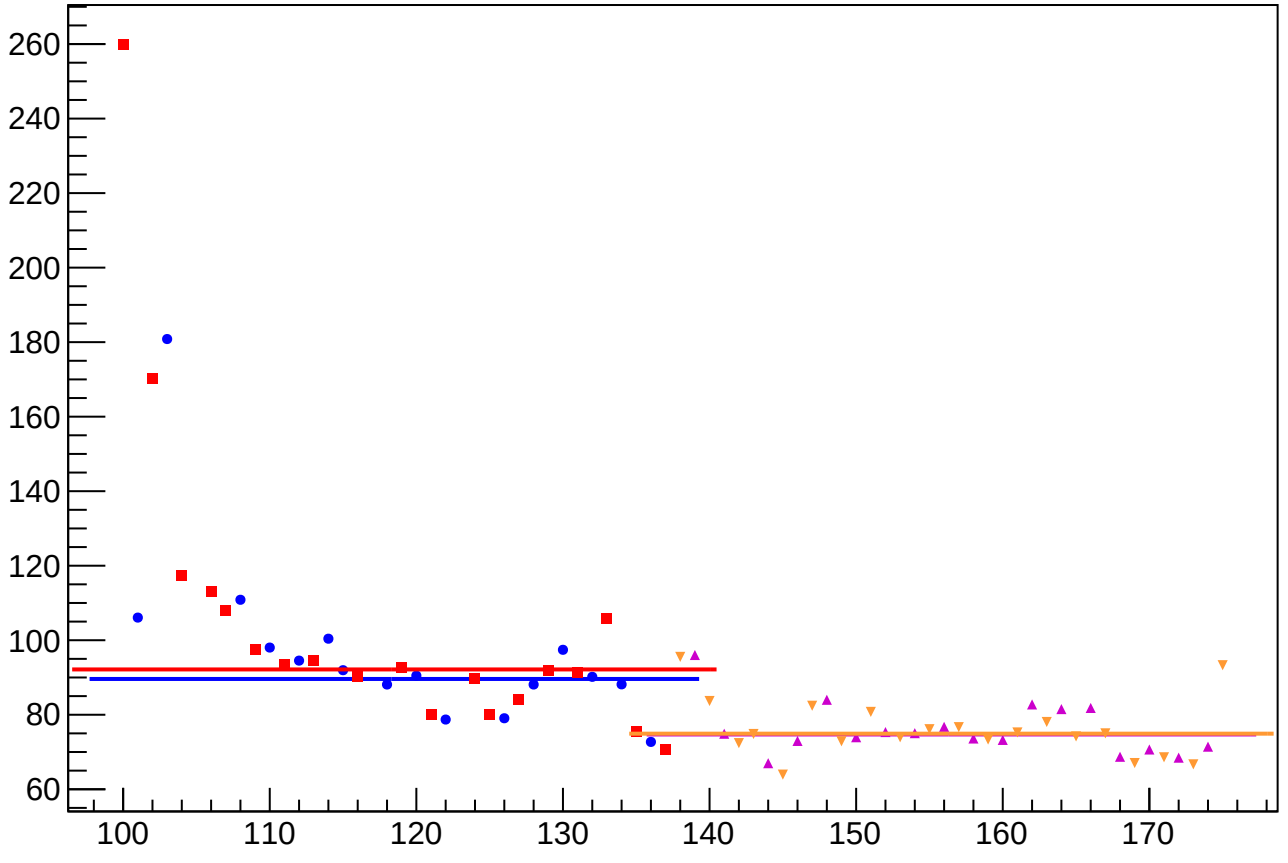
Left In: -67.533+/-19.526 χ^2/NDF:22.9/17

+ sign 25.789+/-16.611 χ^2/NDF: 44.1/35

All: -20.221+/-11.894 χ^2/NDF: 105.5/72

- sign -68.628+/-17.039 χ^2/NDF: 45.7/36

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 74.922+/-0.013 χ^2/NDF:289394.0/19

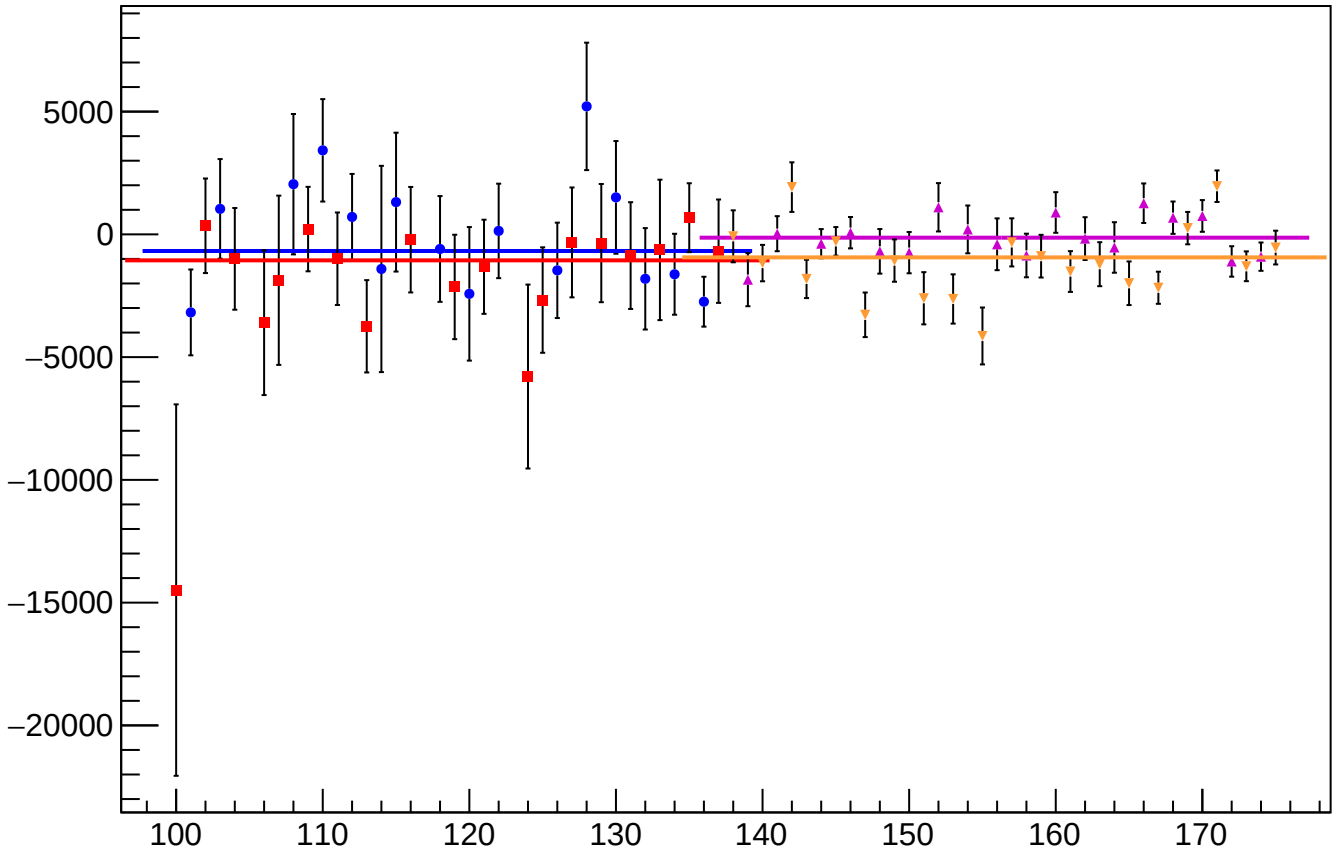
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 74.703+/-0.014 χ^2/NDF:197212.0/17

+ sign 78.368+/-0.012 χ^2/NDF: 1068414.7/35

All: 78.612+/-0.008 χ^2/NDF: 2190017.1/72

- sign 78.868+/-0.012 χ^2/NDF: 1120719.7/36



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -937.428+/-177.633 χ^2/NDF:61.2/19

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

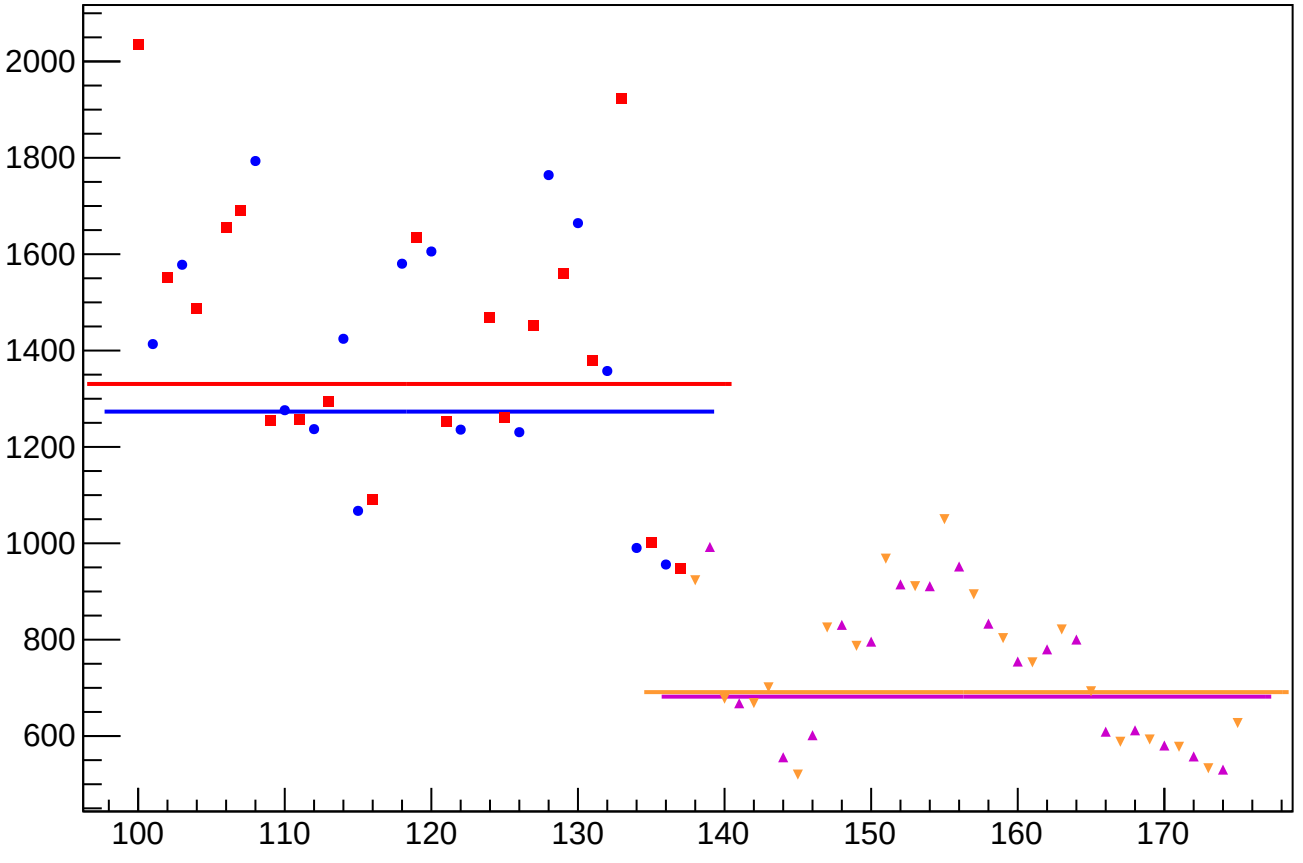
Left In: -135.098+/-180.909 χ^2/NDF:18.5/17

+ sign -906.835+/-166.857 χ^2/NDF: 81.7/35

All: -581.255+/-119.071 χ^2/NDF: 122.5/72

- sign -243.412+/-169.971 χ^2/NDF: 33.0/36

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 691.159+/-0.126 χ^2/NDF:1245112.9/19

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

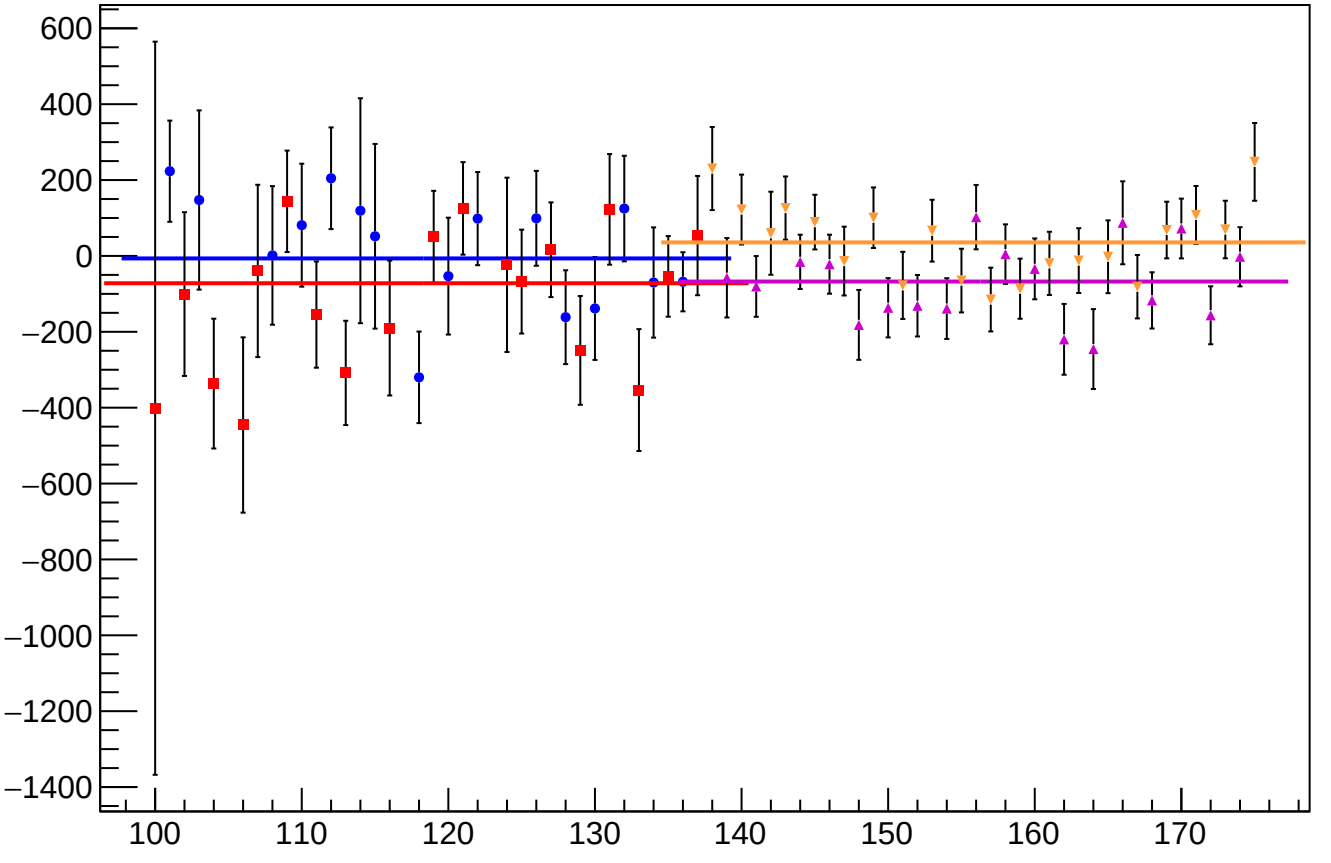
Left In: 681.773+/-0.128 χ^2/NDF:1163084.8/17

+ sign 759.646+/-0.118 χ^2/NDF: 4369820.0/35

All: 758.773+/-0.084 χ^2/NDF: 9021263.0/72

- sign 757.868+/-0.120 χ^2/NDF: 4651331.5/36

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 35.713+/-18.988 χ^2/NDF:24.0/19

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

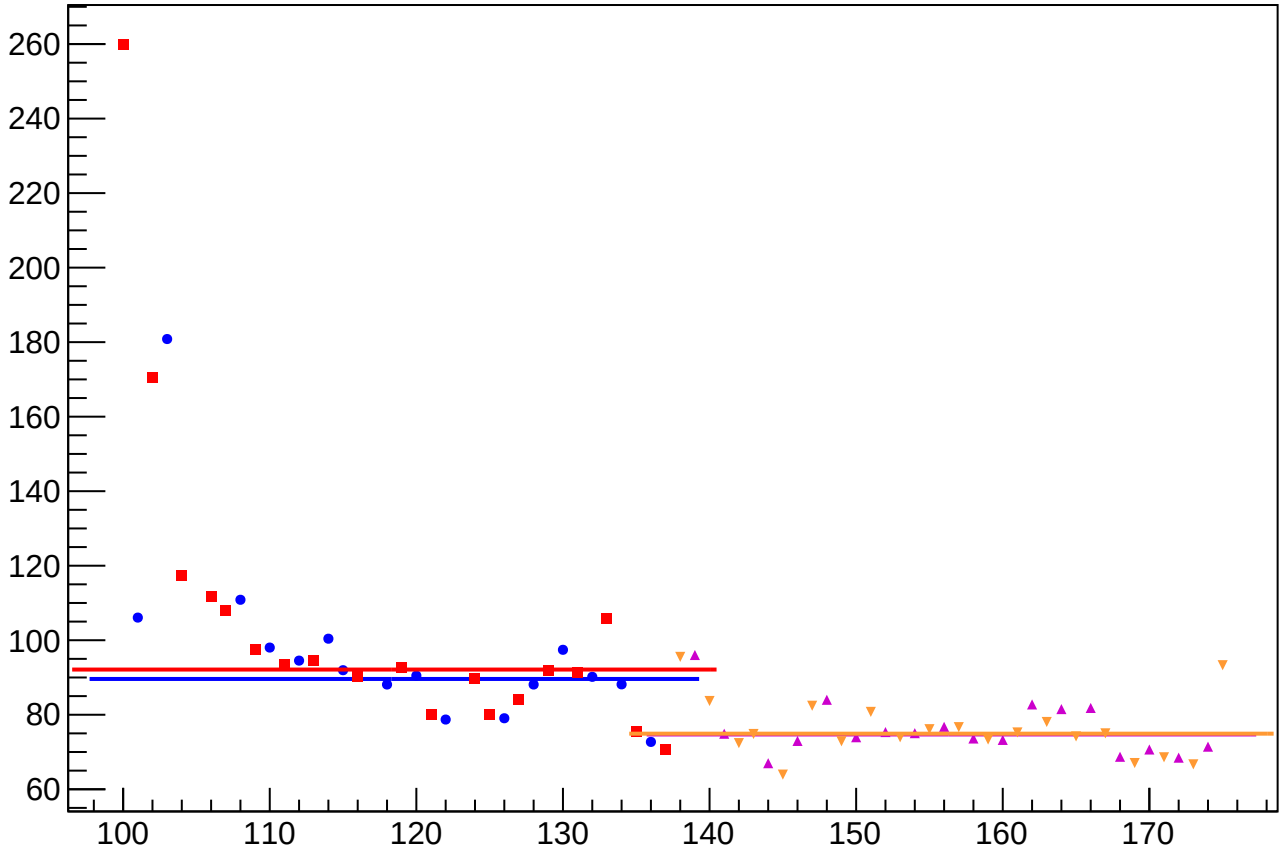
Left In: -67.532+/-19.526 χ^2/NDF:22.9/17

+ sign 25.789+/-16.611 χ^2/NDF: 44.1/35

All: -20.203+/-11.894 χ^2/NDF: 105.5/72

- sign -68.593+/-17.039 χ^2/NDF: 45.6/36

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.922+/-0.013 χ^2/NDF:289394.0/19

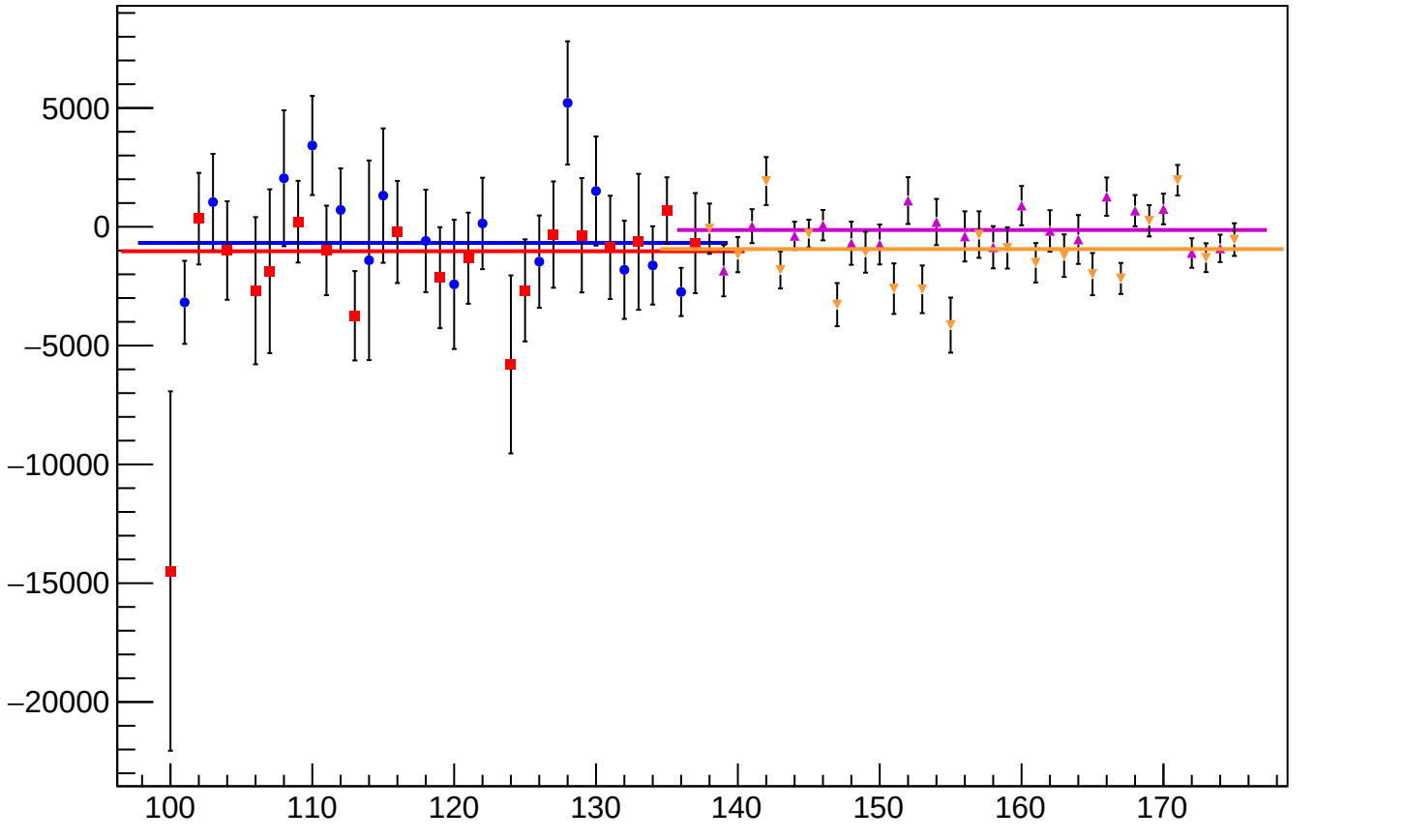
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 74.703+/-0.014 χ^2/NDF:197212.0/17

+ sign 78.368+/-0.012 χ^2/NDF: 1068418.2/35

All: 78.608+/-0.008 χ^2/NDF: 2186807.1/72

- sign 78.860+/-0.012 χ^2/NDF: 1117534.0/36



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -937.423+/-177.632 χ^2/NDF:61.2/19

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

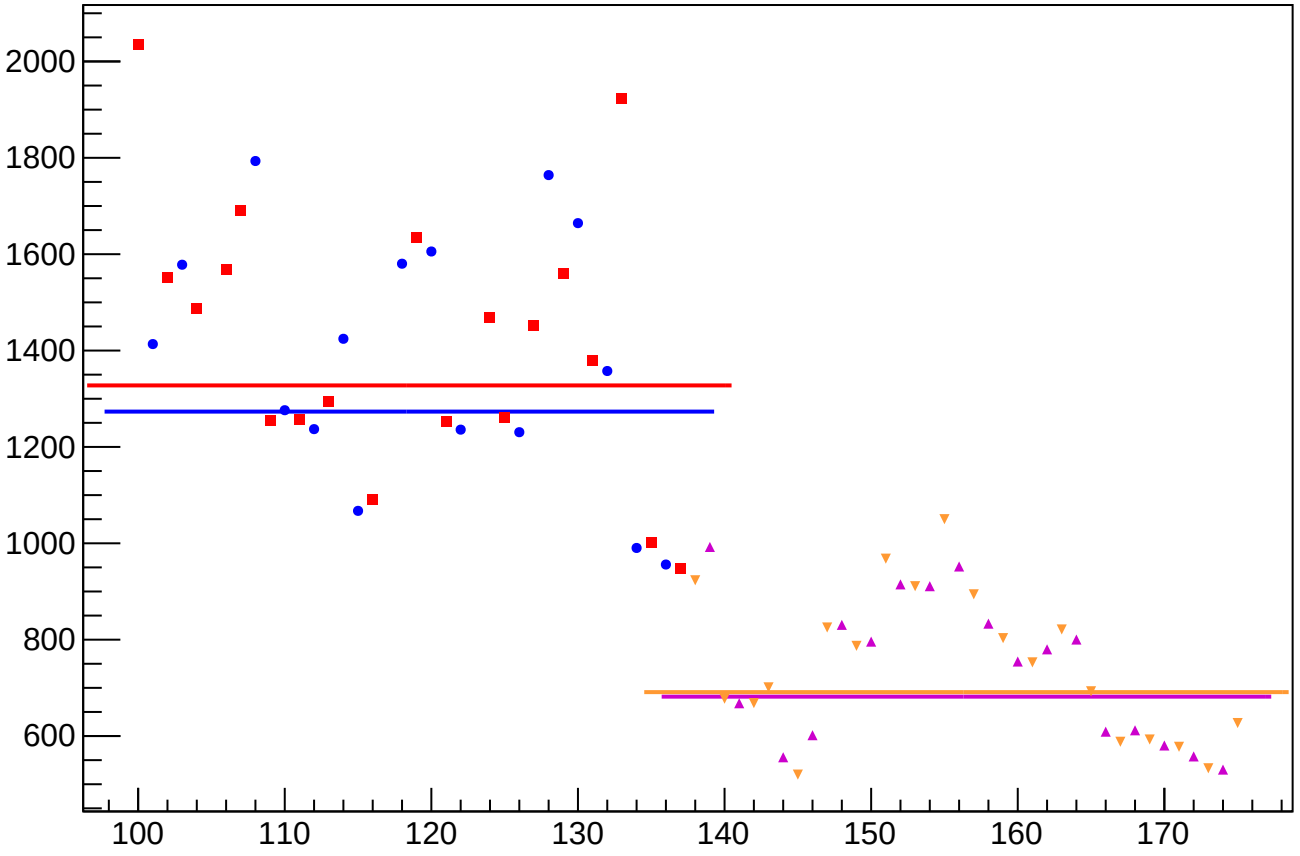
Left In: -135.099+/-180.909 χ^2/NDF:18.5/17

+ sign -906.828+/-166.857 χ^2/NDF: 81.7/35

All: -579.492+/-119.081 χ^2/NDF: 122.0/72

- sign -239.721+/-169.997 χ^2/NDF: 32.4/36

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 691.159+/-0.126 χ^2/NDF:1245116.5/19

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

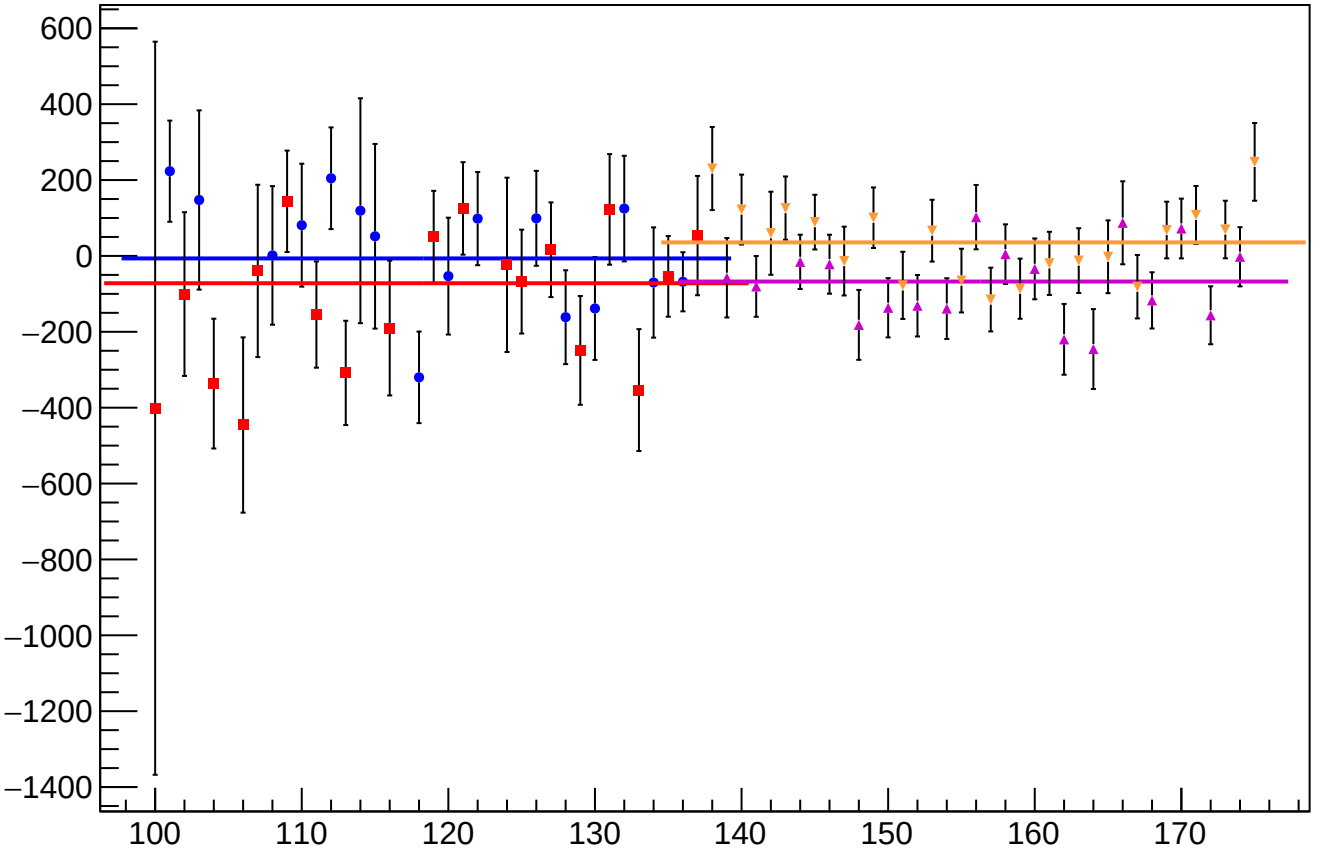
Left In: 681.773+/-0.128 χ^2/NDF:1163083.3/17

+ sign 759.646+/-0.118 χ^2/NDF: 4369866.5/35

All: 758.511+/-0.084 χ^2/NDF: 8974030.4/72

- sign 757.334+/-0.120 χ^2/NDF: 4603975.5/36

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 35.713+/-18.988 χ^2/NDF:24.0/19

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

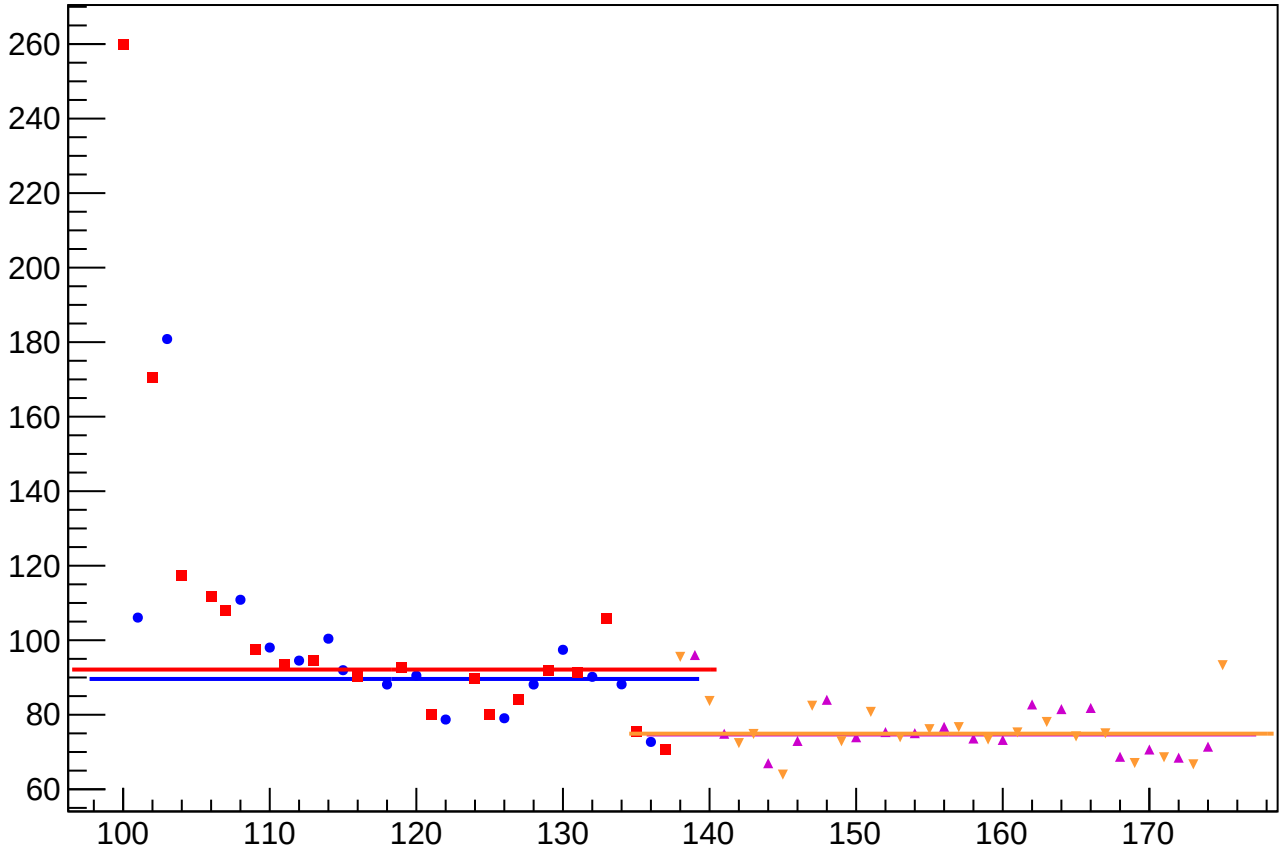
Left In: -67.532+/-19.526 χ^2/NDF:22.9/17

+ sign 25.789+/-16.611 χ^2/NDF: 44.1/35

All: -20.203+/-11.894 χ^2/NDF: 105.5/72

- sign -68.593+/-17.039 χ^2/NDF: 45.6/36

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.922+/-0.013 χ^2/NDF:289394.0/19

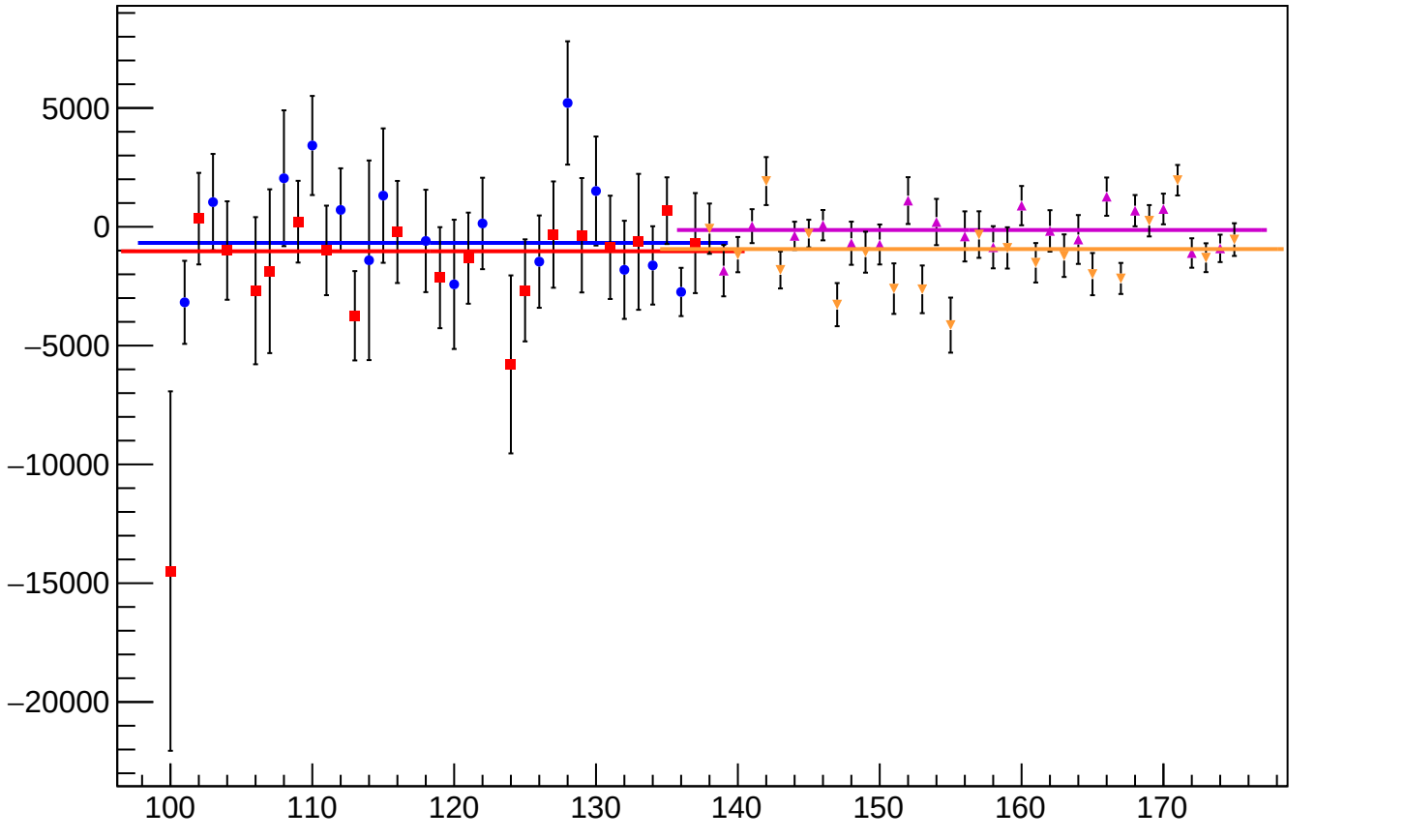
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 74.703+/-0.014 χ^2/NDF:197212.0/17

+ sign 78.368+/-0.012 χ^2/NDF: 1068418.2/35

All: 78.608+/-0.008 χ^2/NDF: 2186807.1/72

- sign 78.860+/-0.012 χ^2/NDF: 1117534.0/36



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -937.423+/-177.632 χ^2/NDF:61.2/19

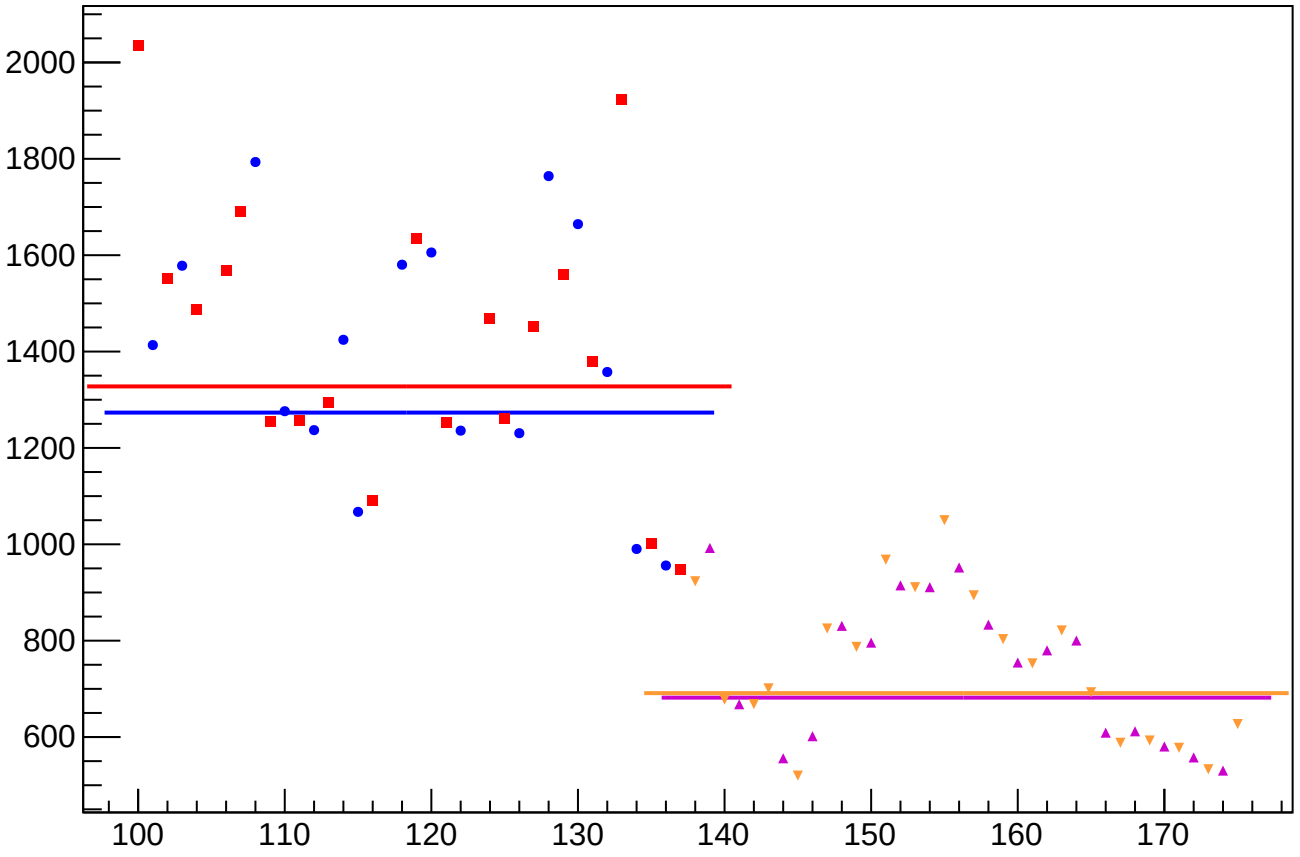
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -135.099+/-180.909 χ^2/NDF:18.5/17

+ sign -906.828+/-166.857 χ^2/NDF: 81.7/35

All: -579.492+/-119.081 χ^2/NDF: 122.0/72

- sign -239.721+/-169.997 χ^2/NDF: 32.4/36



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 691.159+/-0.126 χ^2/NDF:1245116.5/19

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

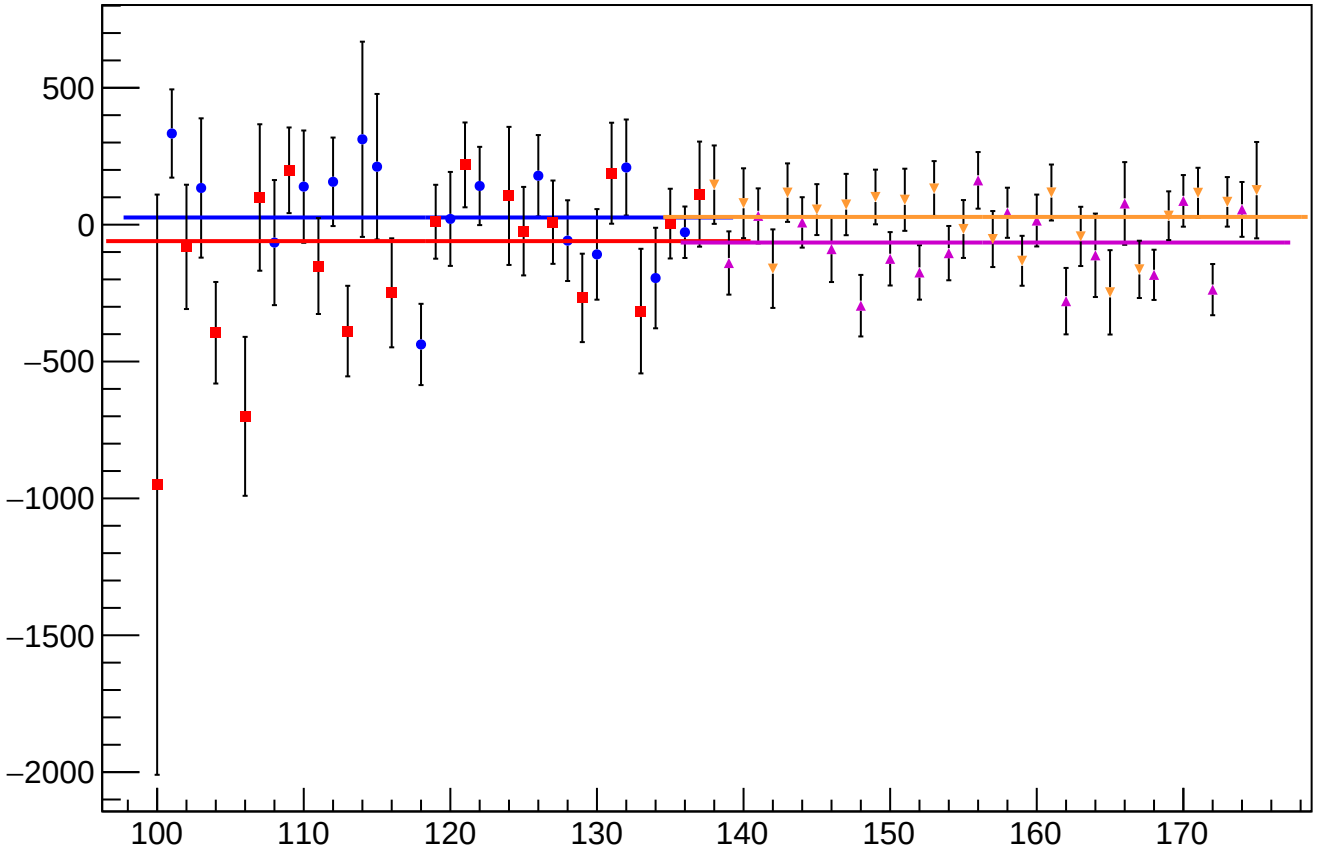
Left In: 681.773+/-0.128 χ^2/NDF:1163083.3/17

\+ sign 759.646+/-0.118 χ^2/NDF: 4369866.5/35

All: 758.511+/-0.084 χ^2/NDF: 8974030.4/72

\- sign 757.334+/-0.120 χ^2/NDF: 4603975.5/36

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 28.291+/-23.981 χ^2/NDF:18.6/19

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

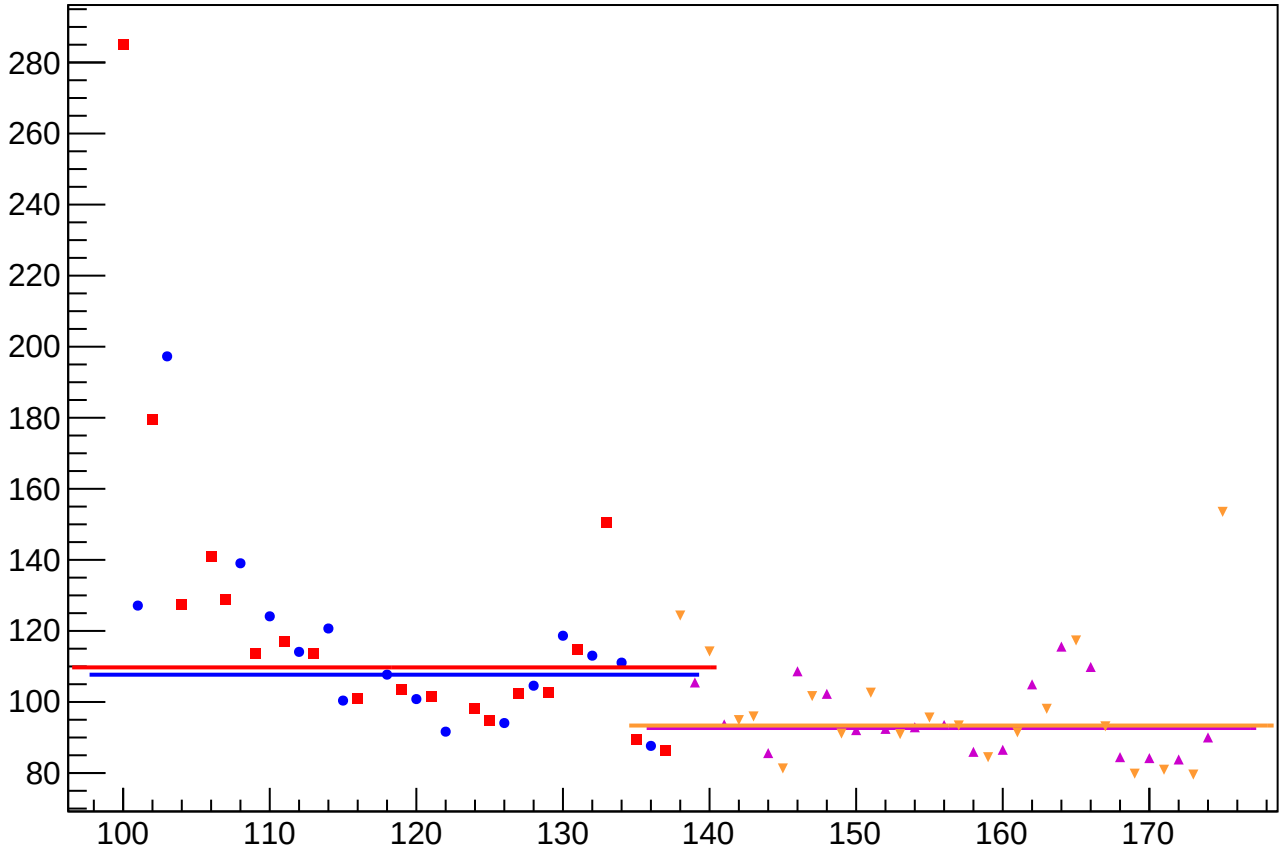
Left In: -65.315+/-24.455 χ^2/NDF:28.1/17

+ sign 27.775+/-20.728 χ^2/NDF: 40.0/35

All: -17.345+/-14.777 χ^2/NDF: 104.8/72

- sign -63.977+/-21.072 χ^2/NDF: 55.1/36

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 93.370+/-0.017 χ^2/NDF:644626.7/19

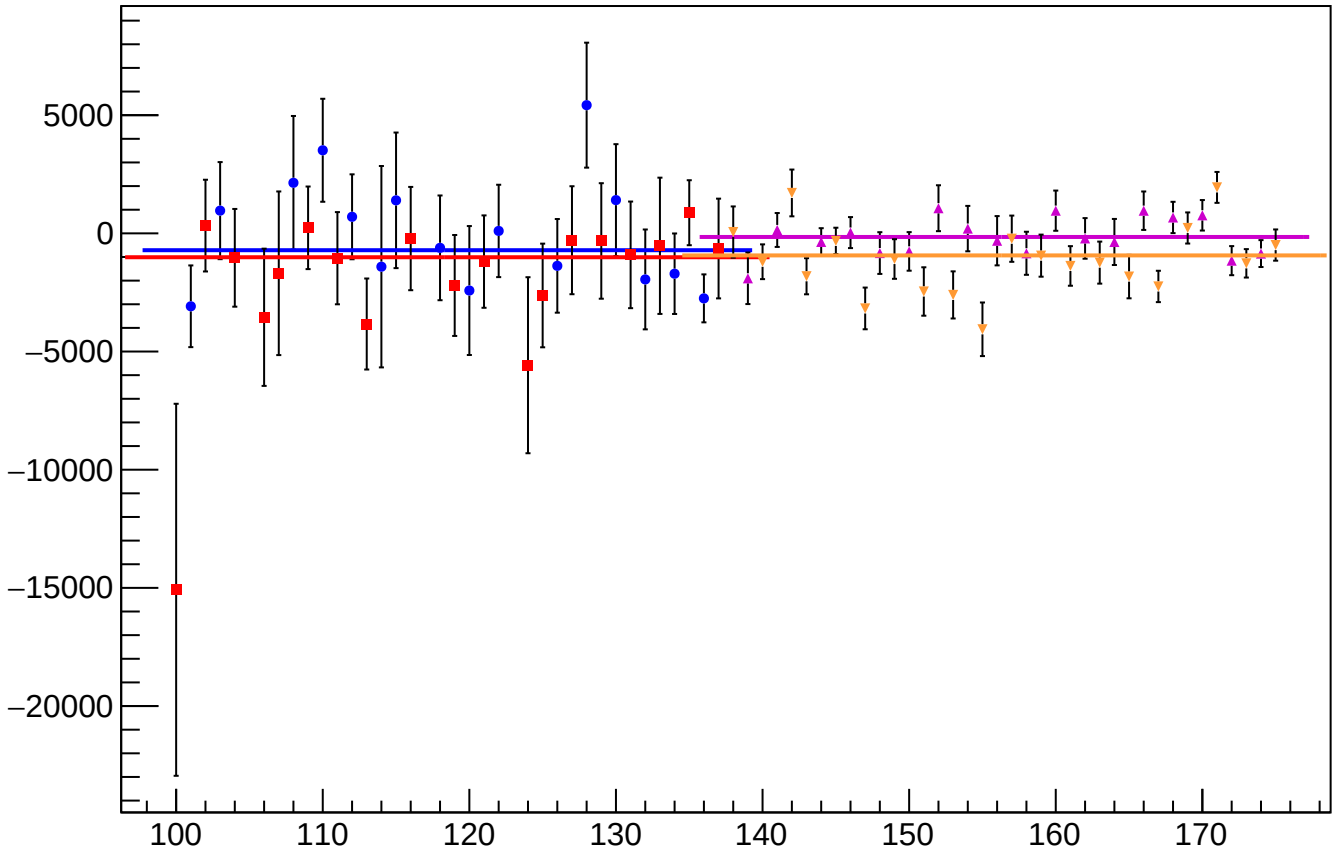
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 92.677+/-0.017 χ^2/NDF:248737.8/17

+ sign 96.988+/-0.015 χ^2/NDF: 1307843.8/35

All: 97.029+/-0.010 χ^2/NDF: 2299073.4/72

- sign 97.070+/-0.015 χ^2/NDF: 991214.2/36



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -933.168+/-176.069 χ^2/NDF:58.8/19

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

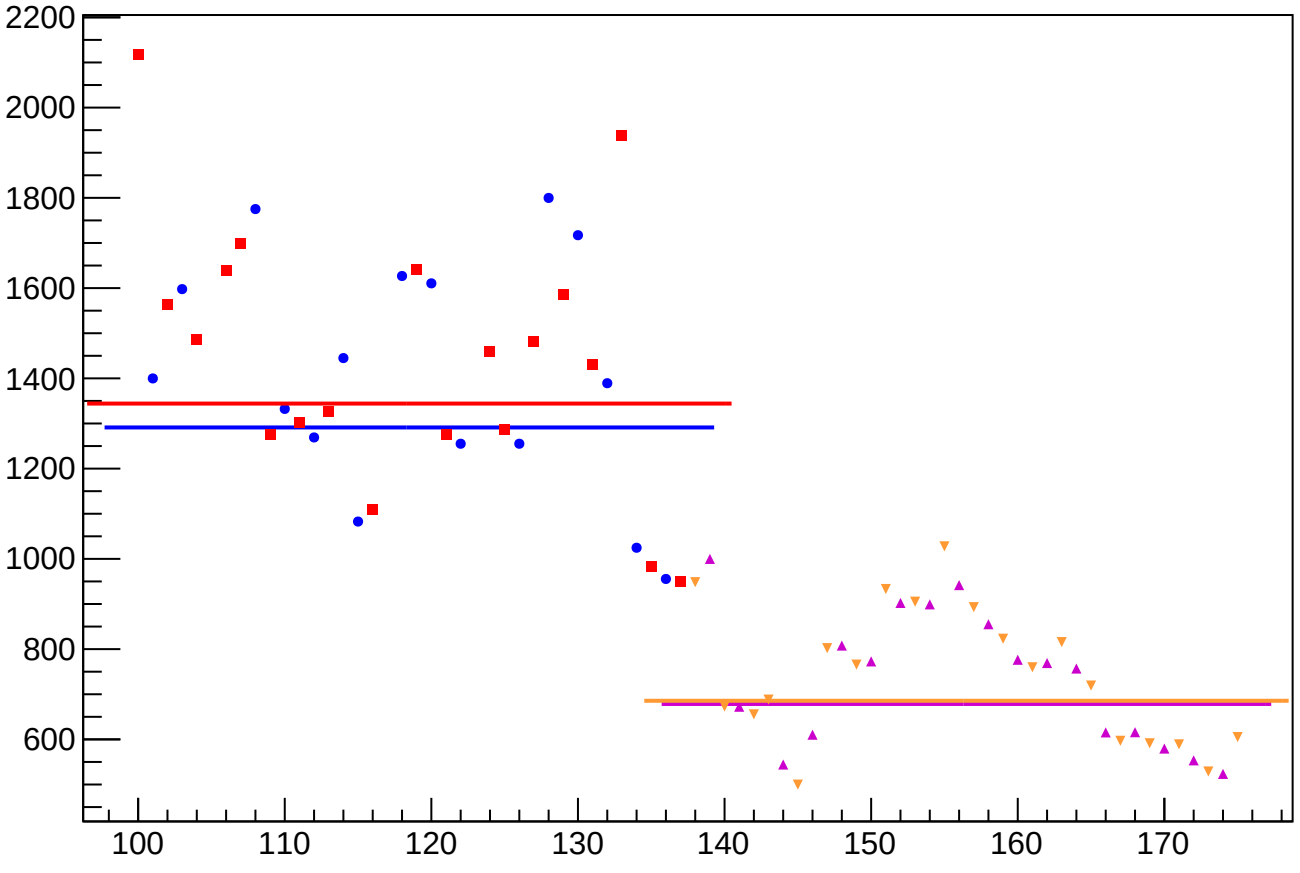
Left In: -152.805+/-180.074 χ^2/NDF:17.8/17

+ sign -908.272+/-165.822 χ^2/NDF: 79.1/35

All: -586.704+/-118.524 χ^2/NDF: 118.9/72

- sign -250.811+/-169.475 χ^2/NDF: 32.1/36

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 685.564+/-0.124 χ^2/NDF:1276854.1/19

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

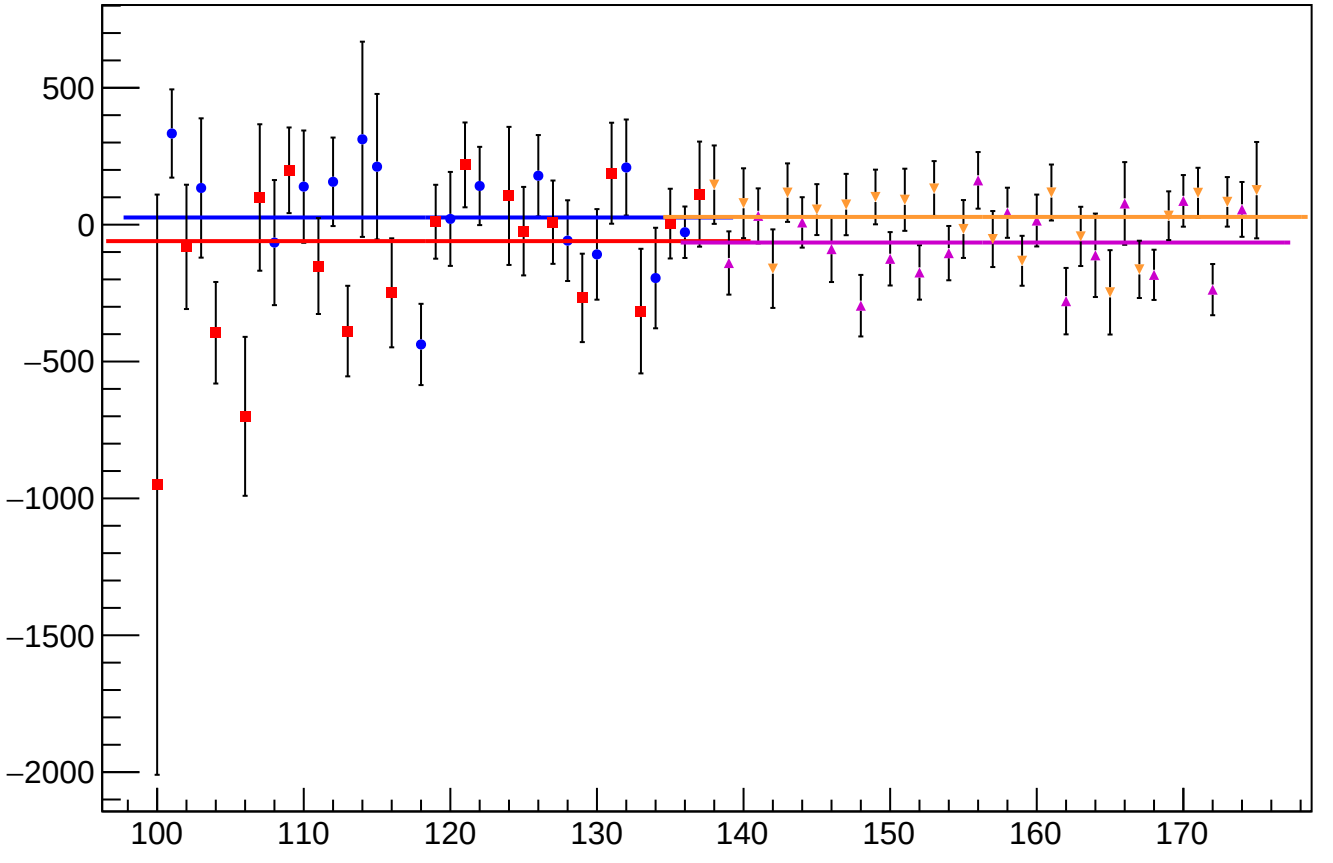
Left In: 678.492+/-0.127 χ^2/NDF:1156155.1/17

+ sign 754.014+/-0.117 χ^2/NDF: 4562371.7/35

All: 754.274+/-0.084 χ^2/NDF: 9331801.1/72

- sign 754.545+/-0.120 χ^2/NDF: 4769419.3/36

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 28.291+/-23.981 χ^2/NDF:18.6/19

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

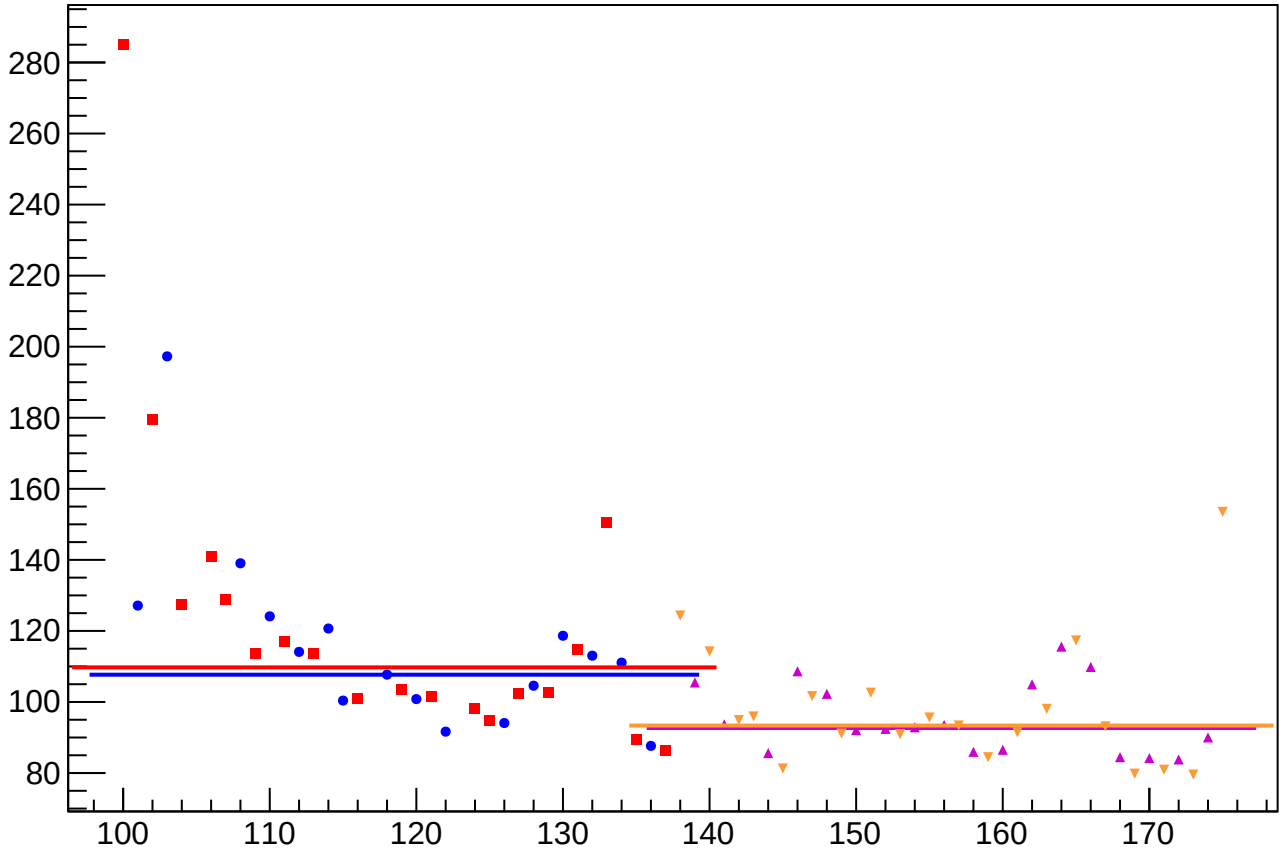
Left In: -65.314+/-24.455 χ^2/NDF:28.1/17

+ sign 27.776+/-20.728 χ^2/NDF: 40.0/35

All: -17.344+/-14.777 χ^2/NDF: 104.8/72

- sign -63.976+/-21.073 χ^2/NDF: 55.1/36

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 93.370+/-0.017 χ^2/NDF:644621.1/19

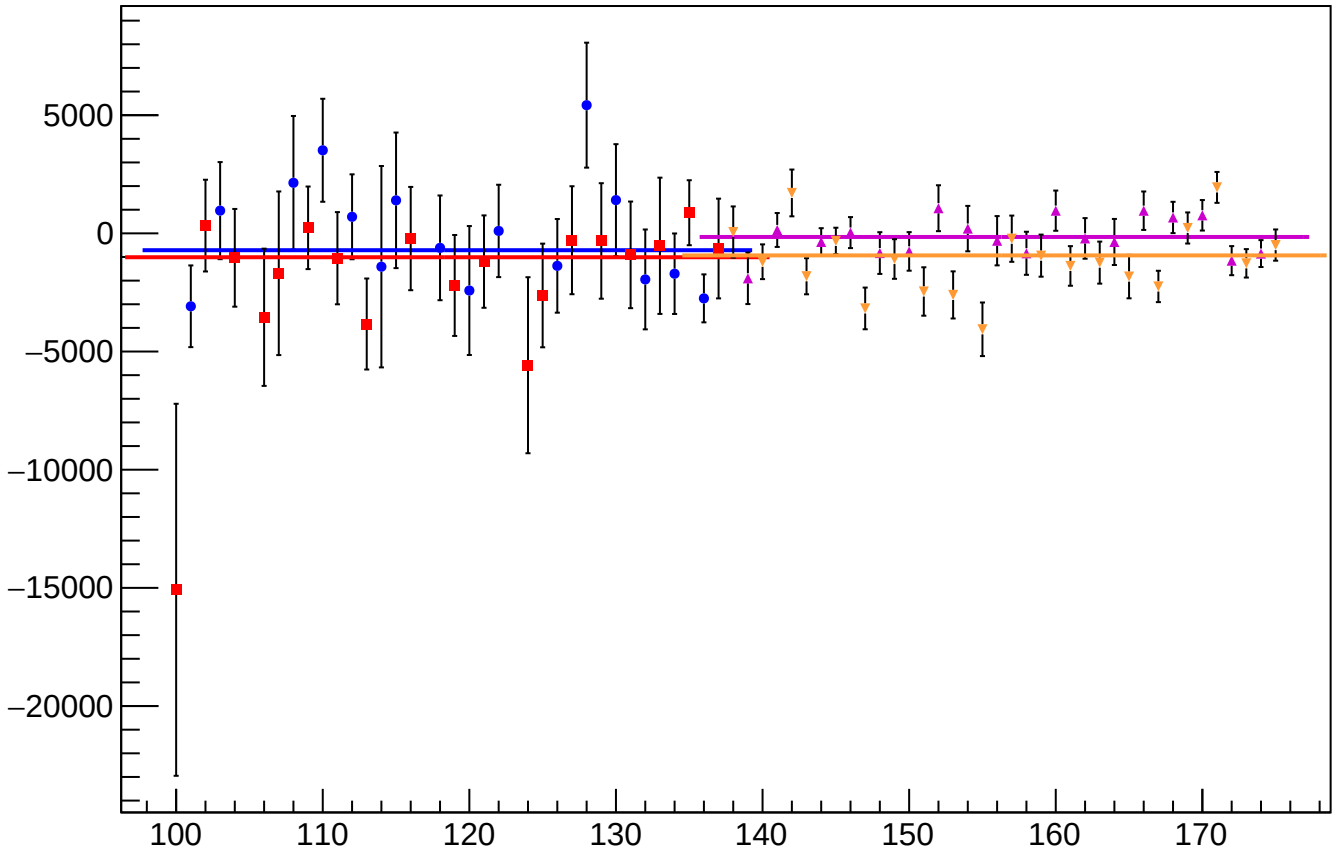
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 92.677+/-0.017 χ^2/NDF:248740.8/17

+ sign 96.989+/-0.015 χ^2/NDF: 1307800.1/35

All: 97.029+/-0.010 χ^2/NDF: 2299003.9/72

- sign 97.070+/-0.015 χ^2/NDF: 991188.4/36



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -933.166+/-176.069 χ^2/NDF:58.8/19

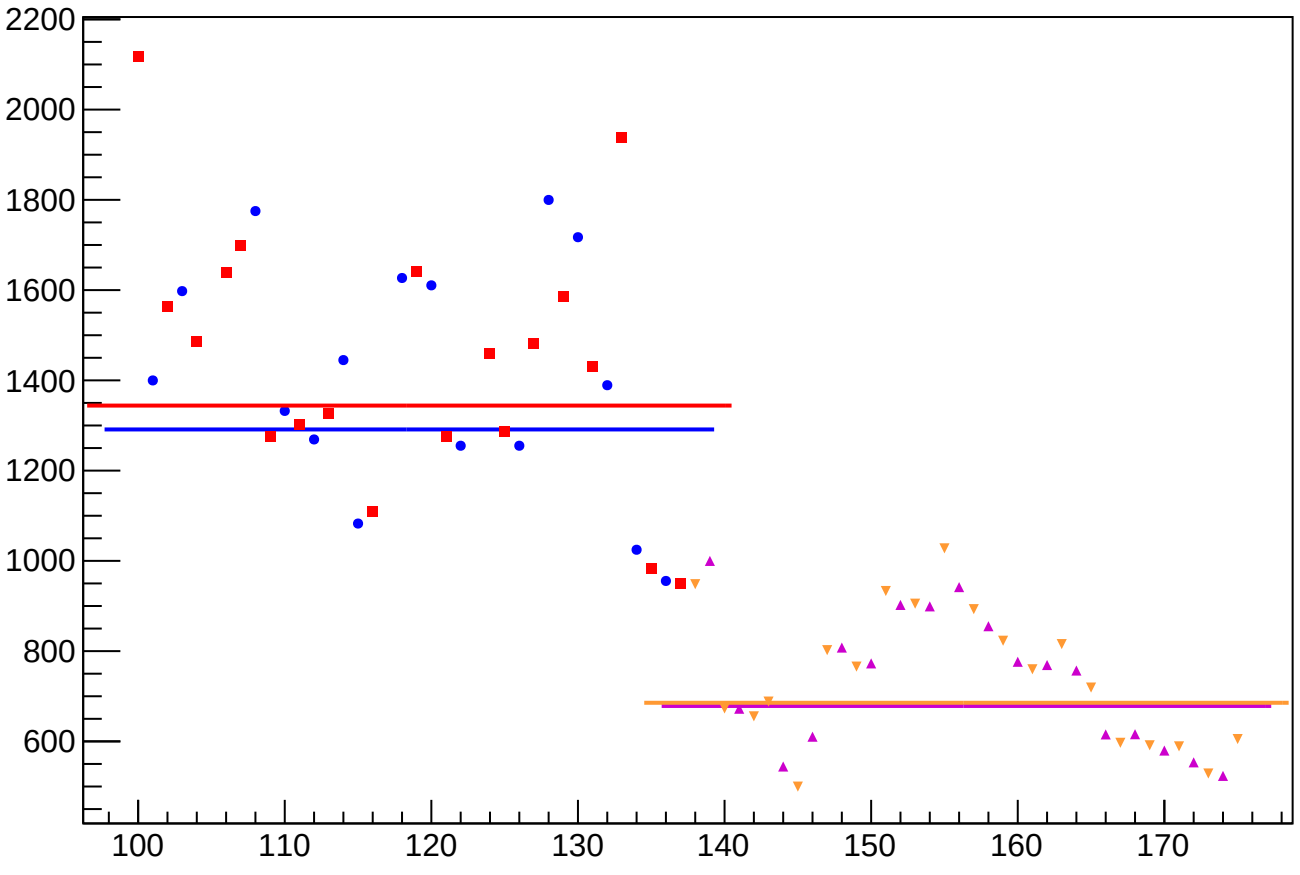
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -152.804+/-180.074 χ^2/NDF:17.8/17

+ sign -908.270+/-165.821 χ^2/NDF: 79.1/35

All: -586.702+/-118.524 χ^2/NDF: 118.9/72

- sign -250.809+/-169.474 χ^2/NDF: 32.1/36



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 685.563+/-0.124 χ^2/NDF:1276861.2/19

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

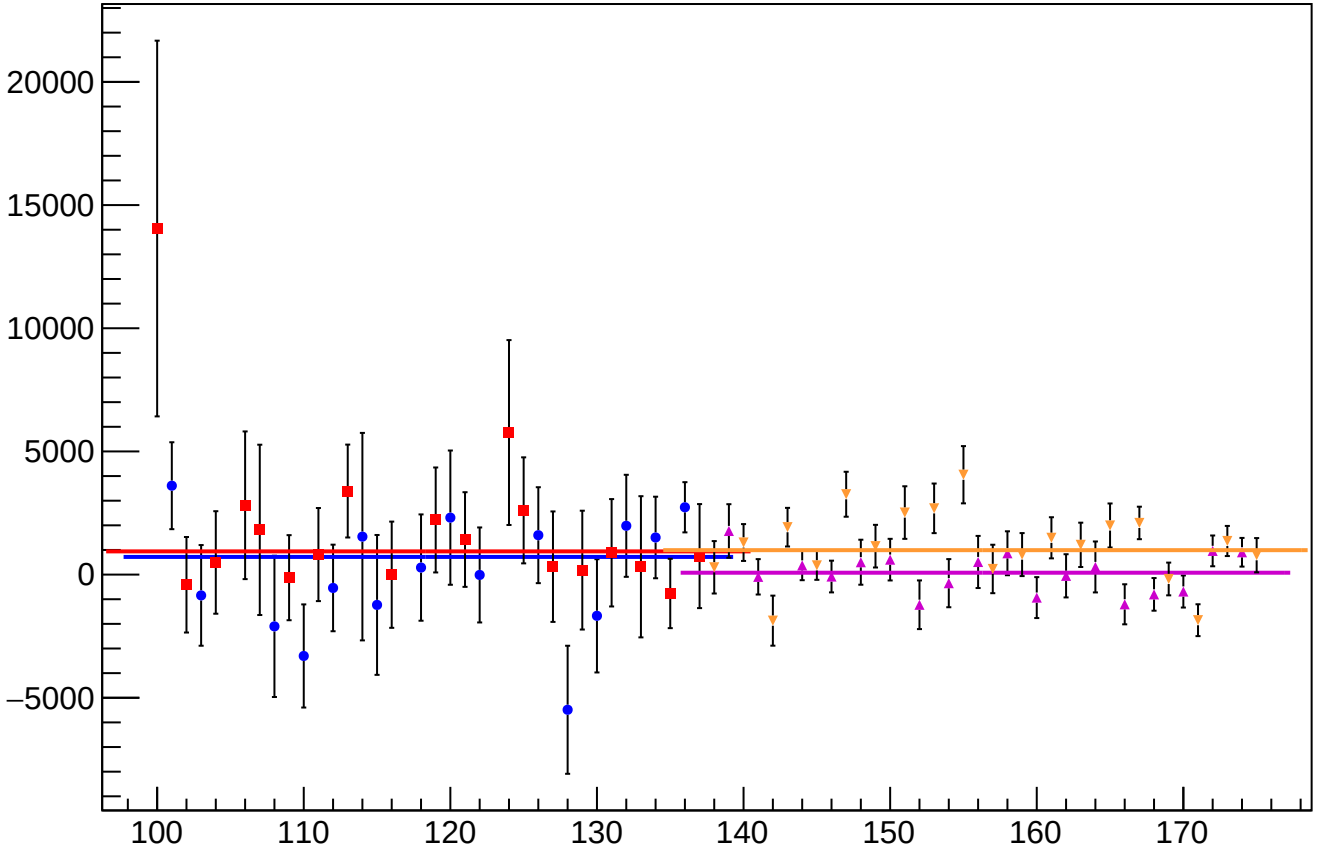
Left In: 678.490+/-0.127 χ^2/NDF:1156159.0/17

\+ sign 754.012+/-0.117 χ^2/NDF: 4562375.4/35

All: 754.272+/-0.084 χ^2/NDF: 9331806.2/72

\- sign 754.543+/-0.120 χ^2/NDF: 4769420.8/36

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 991.847+/-178.792 χ^2/NDF:57.1/19

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

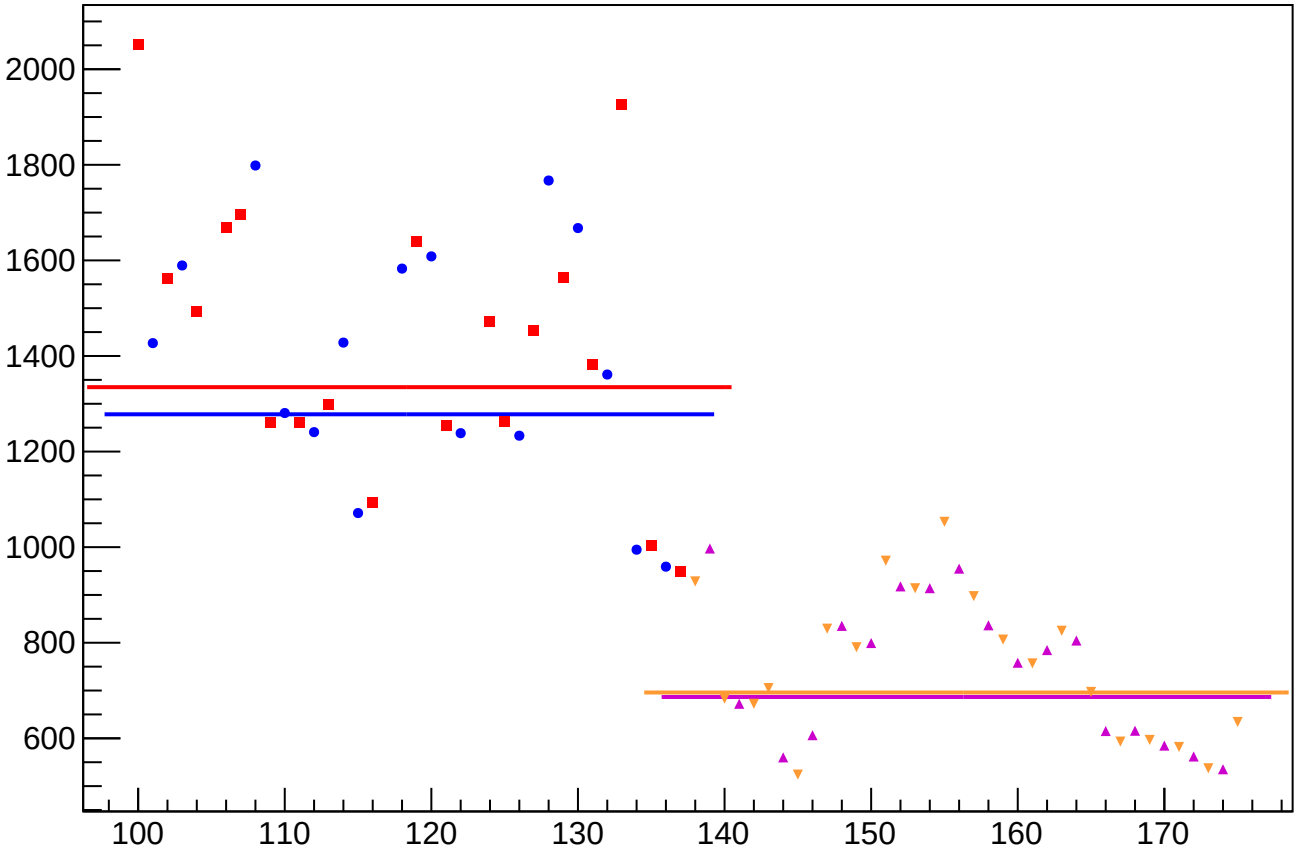
Left In: 76.196+/-182.103 χ^2/NDF:17.5/17

+ sign 959.420+/-167.889 χ^2/NDF: 78.4/35

All: 576.111+/-119.810 χ^2/NDF: 119.7/72

- sign 178.329+/-171.030 χ^2/NDF: 30.7/36

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 695.905+/-0.126 χ^2/NDF:1225590.7/19

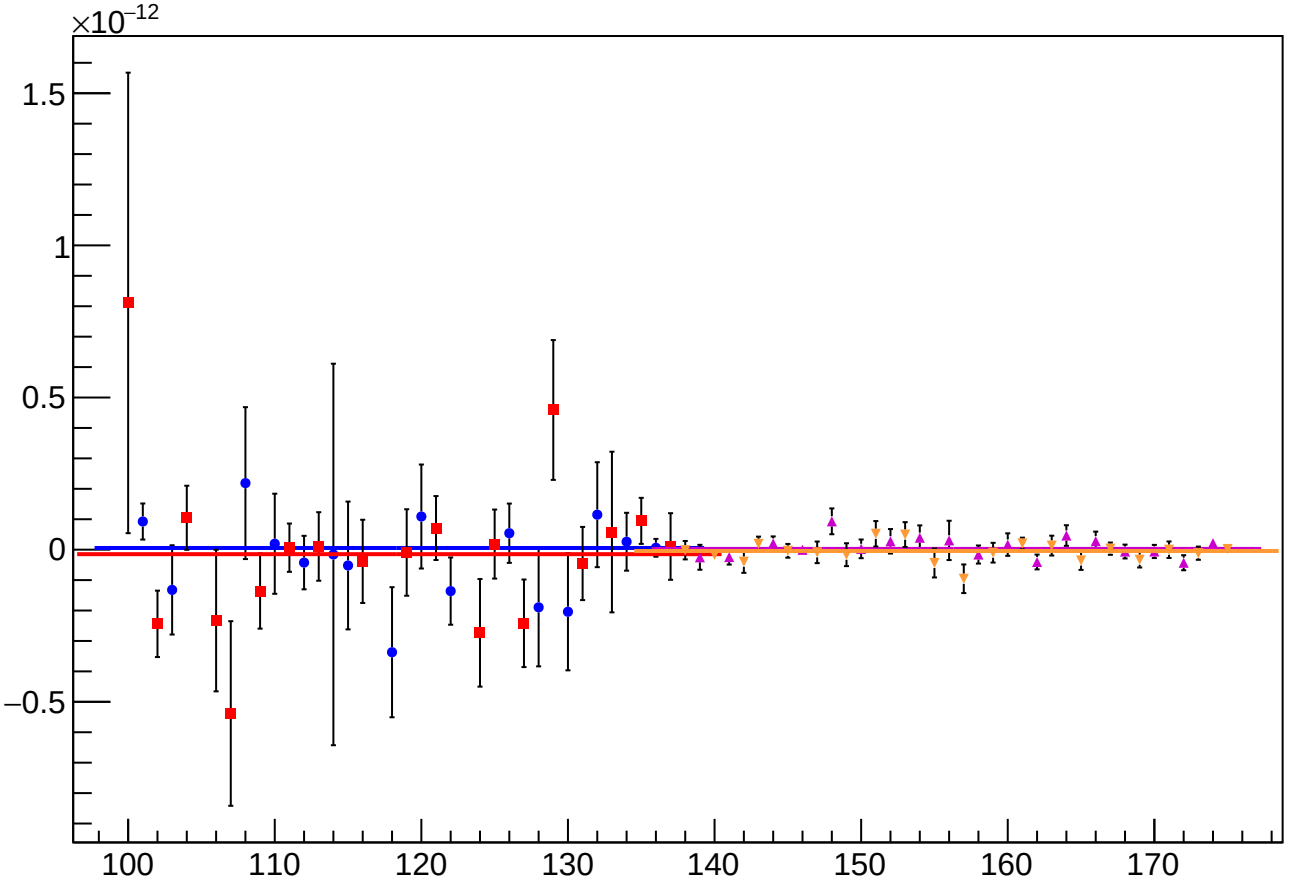
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 686.512+/-0.129 χ^2/NDF:1144042.2/17

+ sign 764.732+/-0.119 χ^2/NDF: 4329772.7/35

All: 763.860+/-0.085 χ^2/NDF: 8934582.1/72

- sign 762.956+/-0.121 χ^2/NDF: 4604699.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.5/19

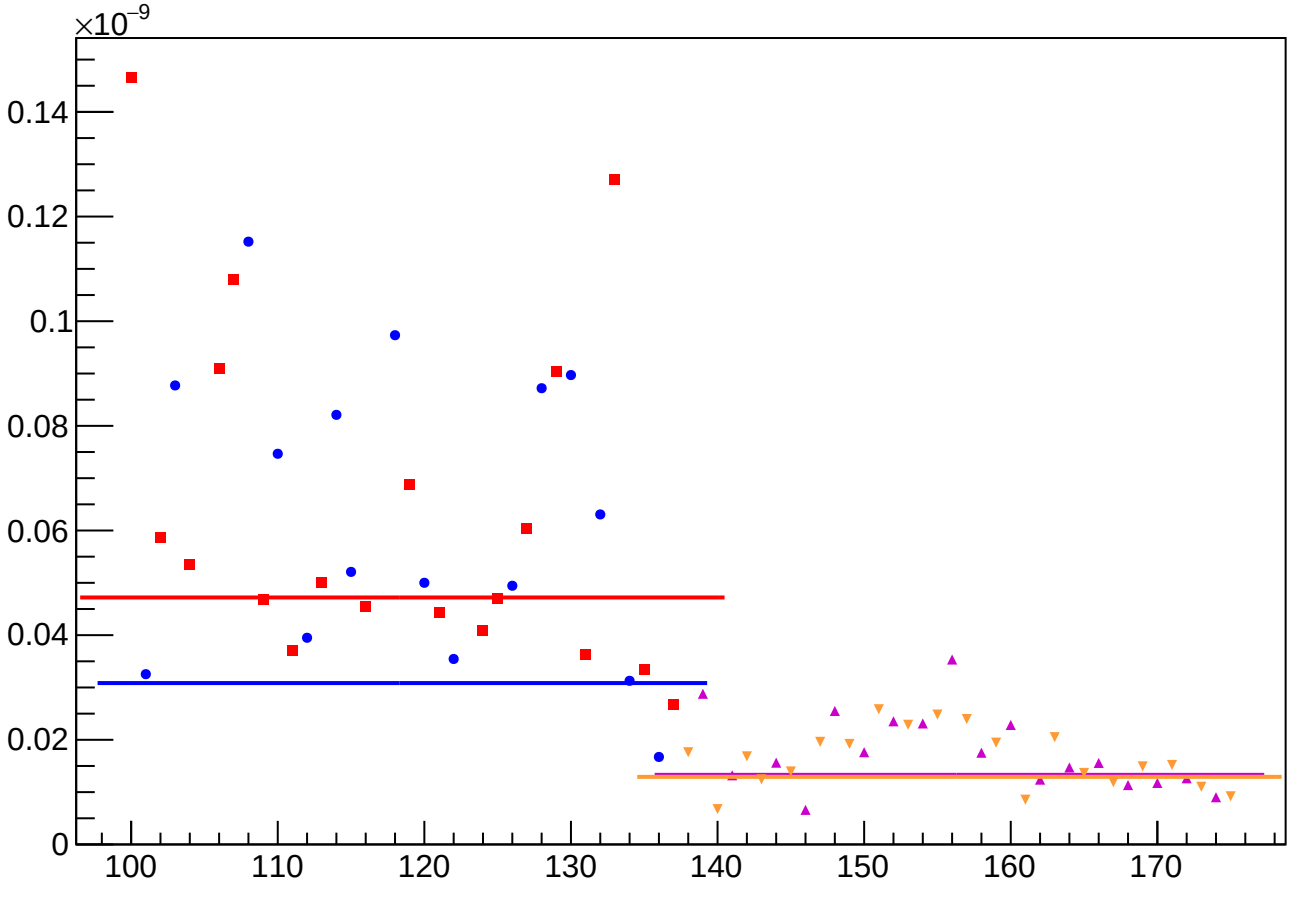
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:19.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 27.3/35

All: -0.000+/-0.000 χ^2/NDF: 71.1/72

- sign 0.000+/-0.000 χ^2/NDF: 43.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1549579.3/19

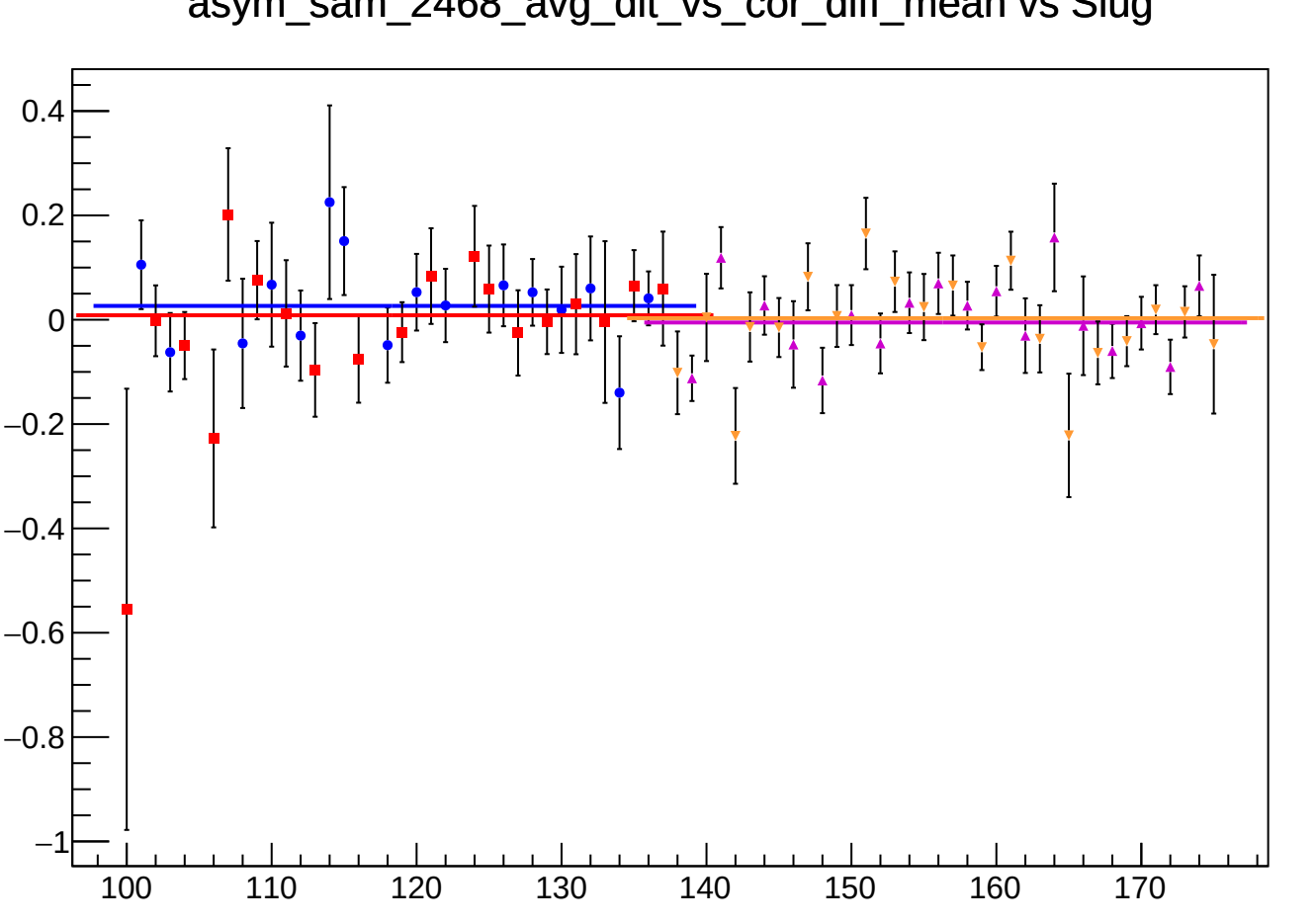
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1773728.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 4754309.1/35

All: 0.000+/-0.000 χ^2/NDF: 9948647.2/72

- sign 0.000+/-0.000 χ^2/NDF: 5179051.9/36



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.7/19

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

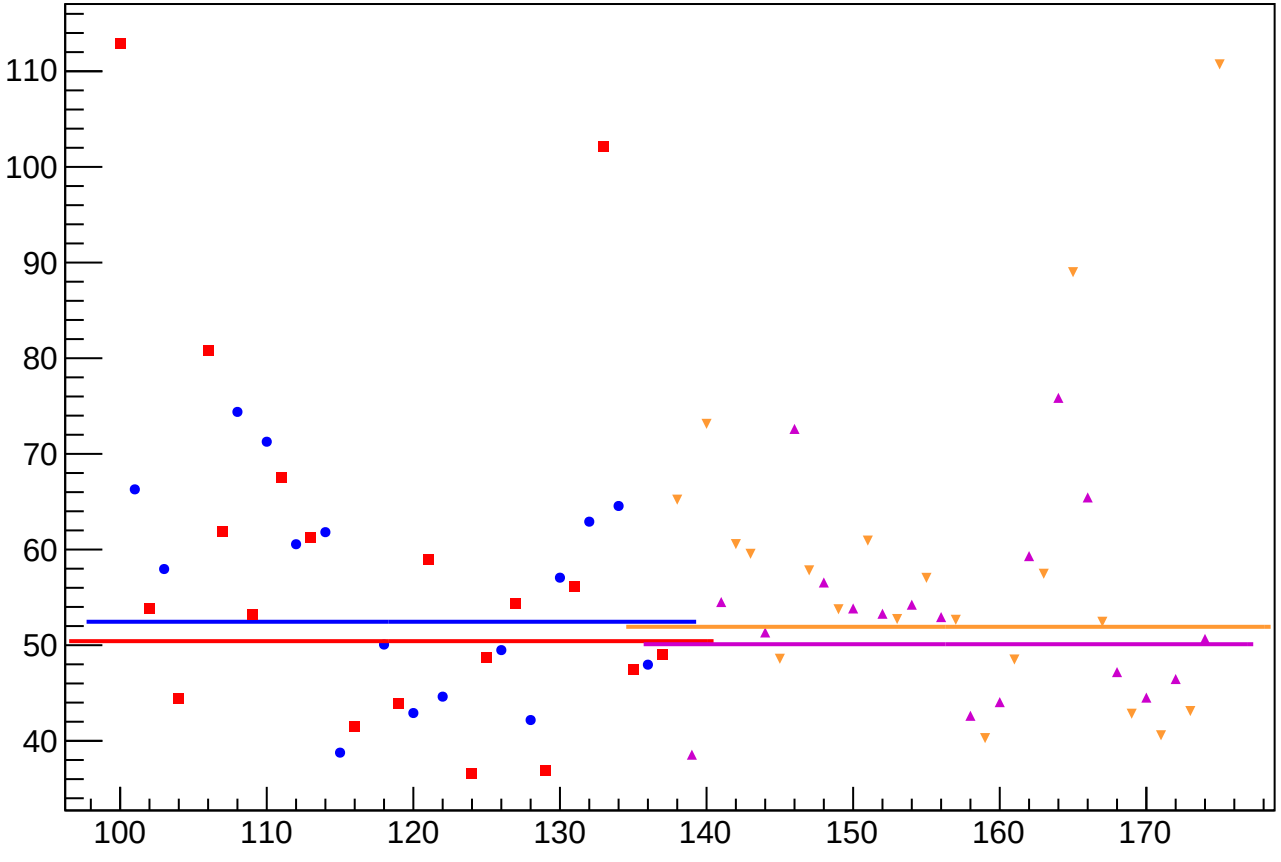
Left In: -0.005+/-0.014 χ^2/NDF:26.7/17

+ sign 0.010+/-0.011 χ^2/NDF: 40.6/35

All: 0.005+/-0.008 χ^2/NDF: 82.1/72

- sign -0.001+/-0.011 χ^2/NDF: 41.0/36

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 51.923+/-0.010 χ^2/NDF:1306960.5/19

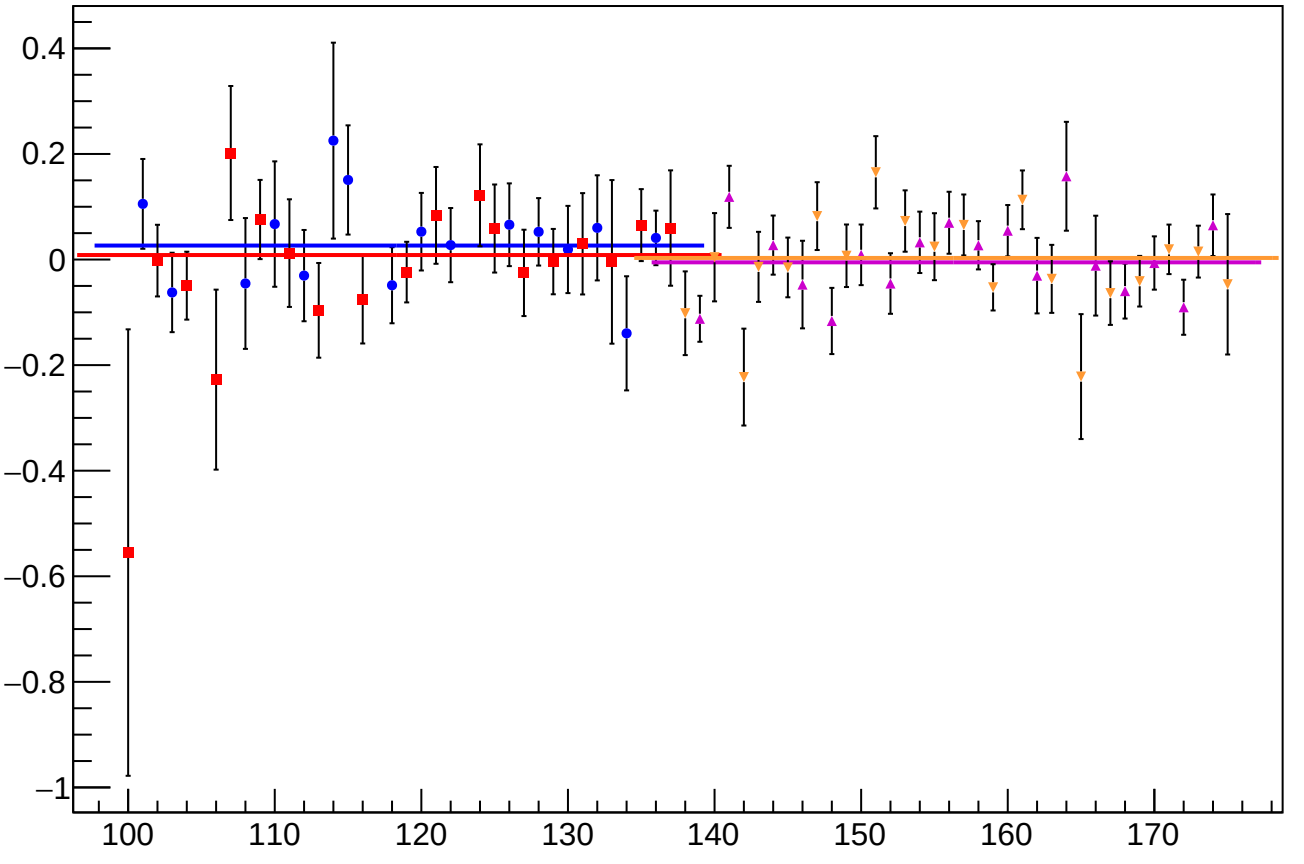
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.103+/-0.010 χ^2/NDF:686433.4/17

+ sign 52.087+/-0.008 χ^2/NDF: 1725898.3/35

All: 51.126+/-0.006 χ^2/NDF: 3117394.1/72

- sign 50.207+/-0.008 χ^2/NDF: 1363544.1/36



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.7/19

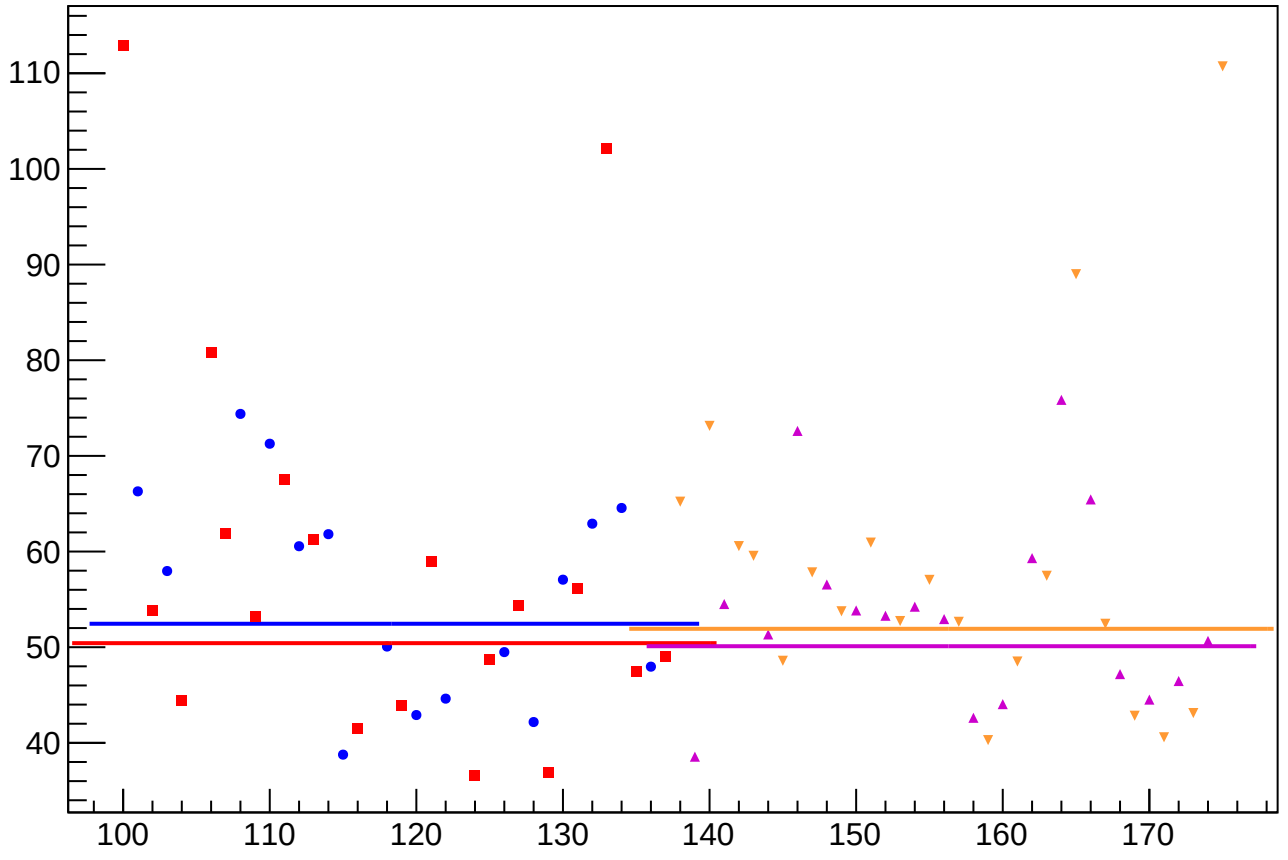
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.014 χ^2/NDF:26.7/17

+ sign 0.010+/-0.011 χ^2/NDF: 40.6/35

All: 0.005+/-0.008 χ^2/NDF: 82.1/72

- sign -0.001+/-0.011 χ^2/NDF: 41.0/36



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 51.923+/-0.010 χ^2/NDF:1306960.5/19

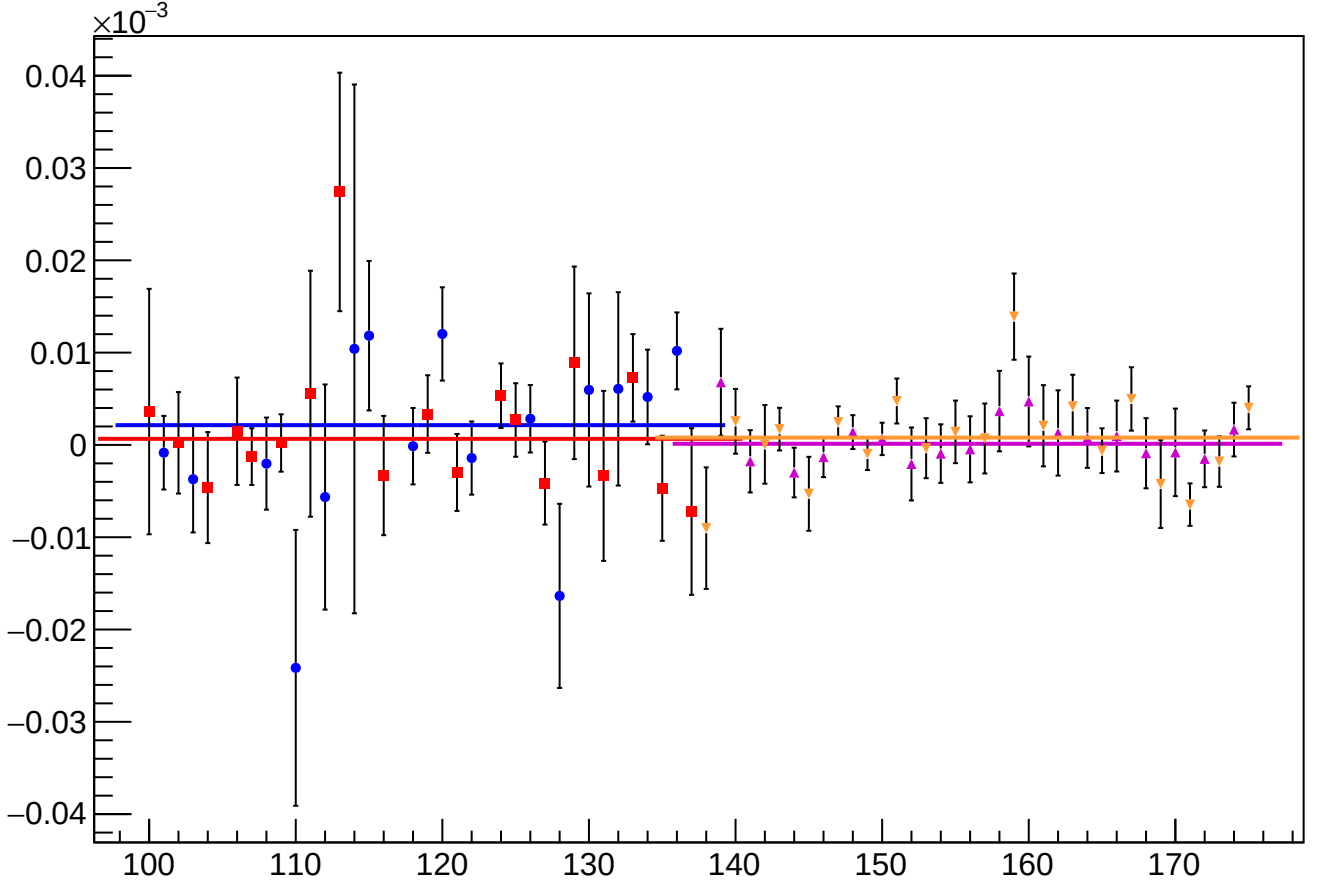
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.103+/-0.010 χ^2/NDF:686433.4/17

+ sign 52.087+/-0.008 χ^2/NDF: 1725898.3/35

All: 51.126+/-0.006 χ^2/NDF: 3117394.1/72

- sign 50.207+/-0.008 χ^2/NDF: 1363544.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.4/19

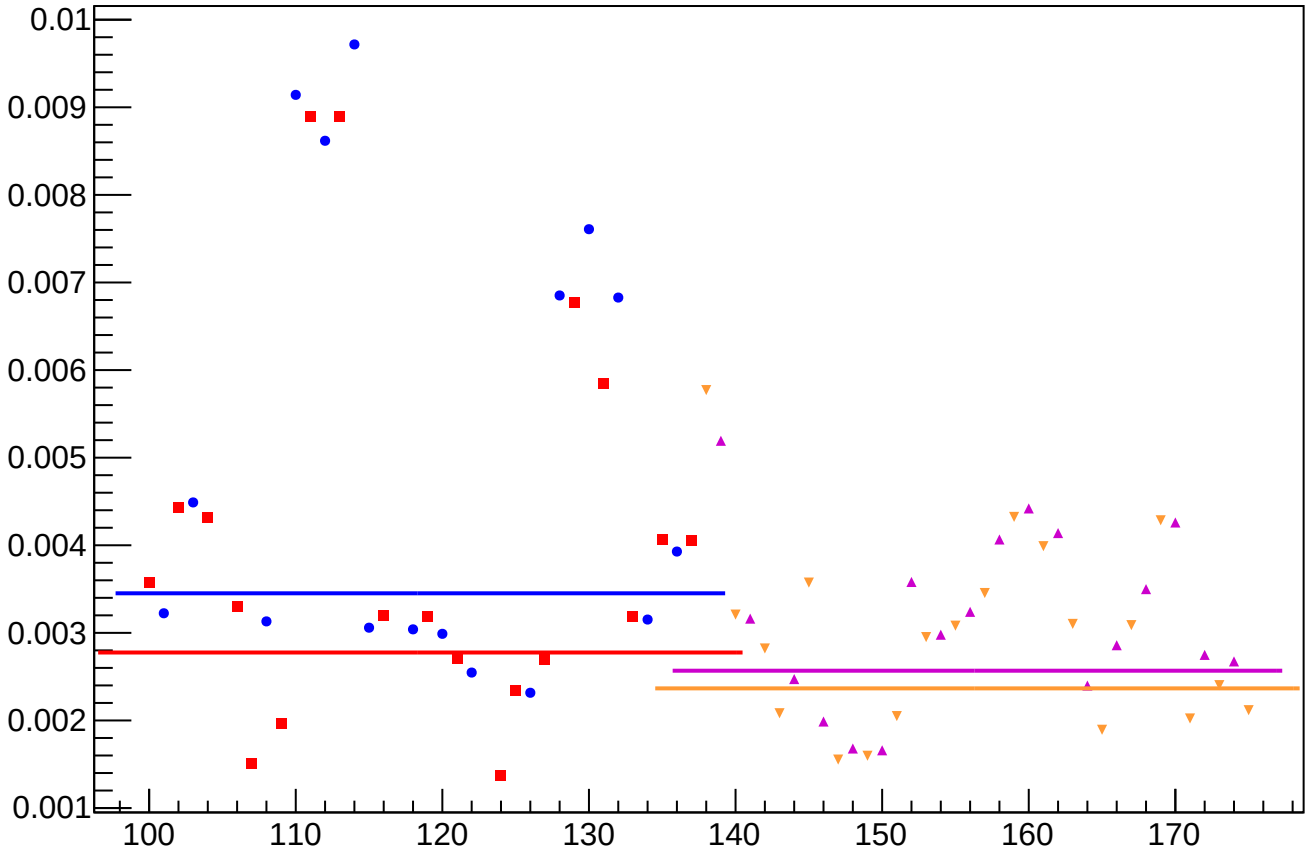
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 55.3/35

All: 0.000+/-0.000 χ^2/NDF: 77.9/72

- sign 0.000+/-0.000 χ^2/NDF: 21.8/36



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3348944.8/19

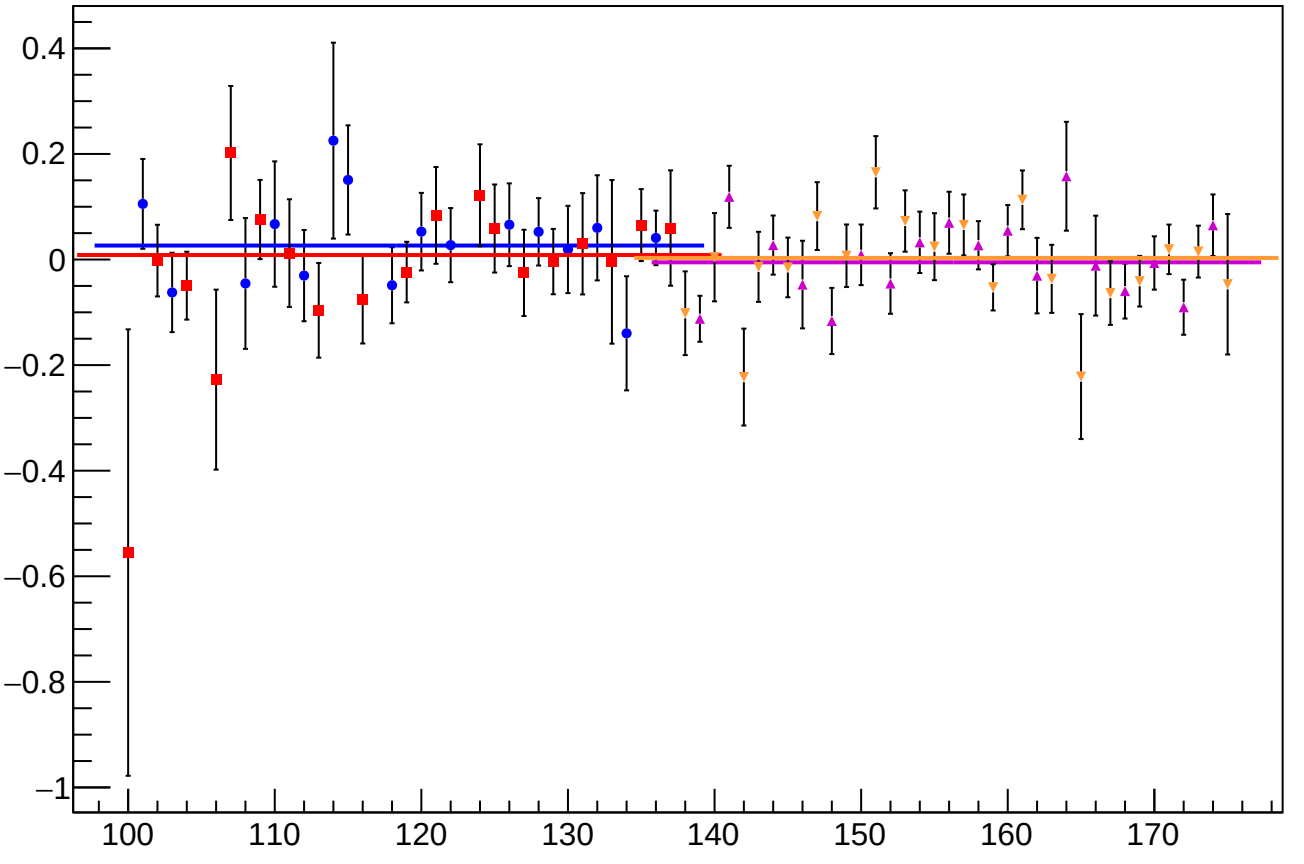
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3018362.0/17

+ sign 0.003+/-0.000 χ^2/NDF: 6314674.7/35

All: 0.003+/-0.000 χ^2/NDF: 12129945.3/72

- sign 0.003+/-0.000 χ^2/NDF: 5800610.2/36



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.7/19

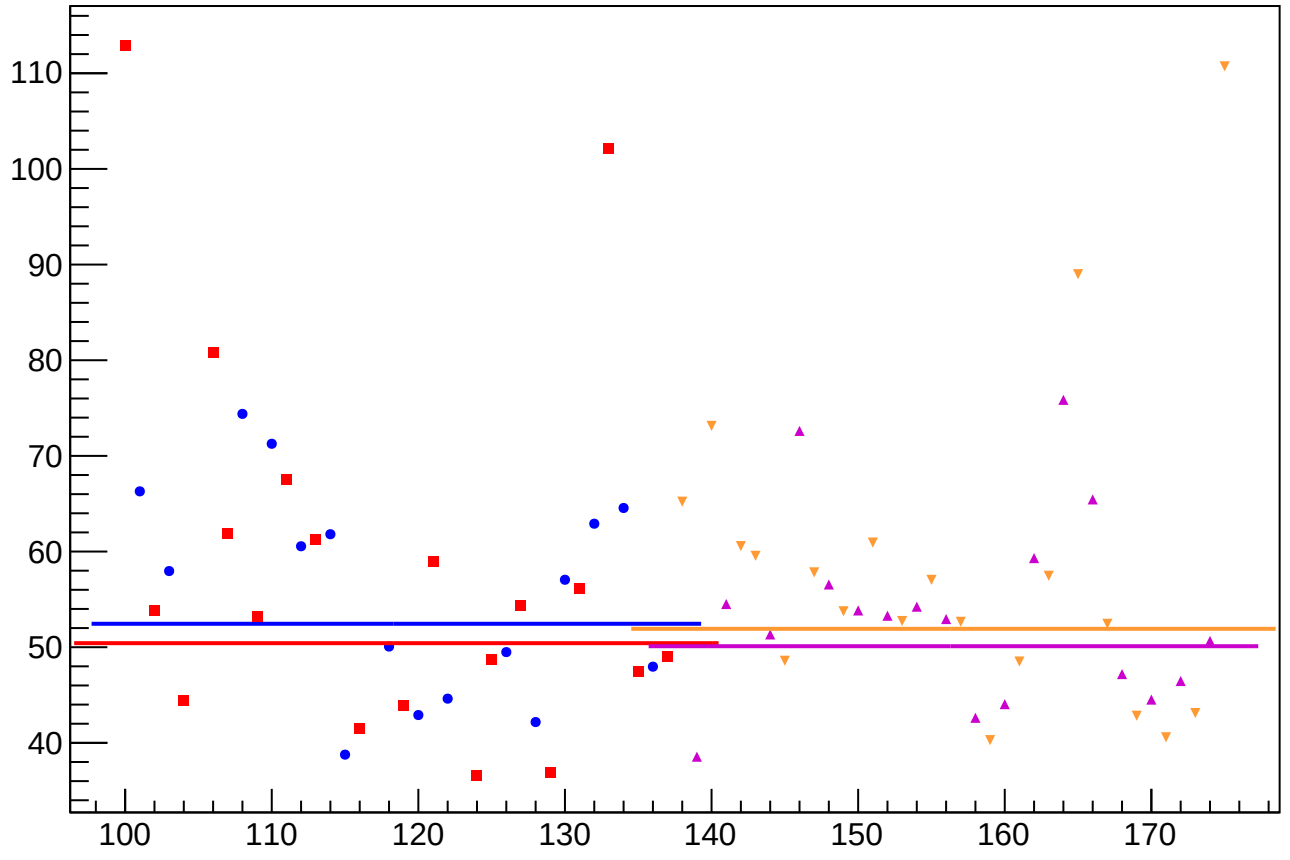
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.014 χ^2/NDF:26.7/17

+ sign 0.010+/-0.011 χ^2/NDF: 40.6/35

All: 0.005+/-0.008 χ^2/NDF: 82.1/72

- sign -0.001+/-0.011 χ^2/NDF: 41.0/36



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 51.923+/-0.010 χ^2/NDF:1306977.1/19

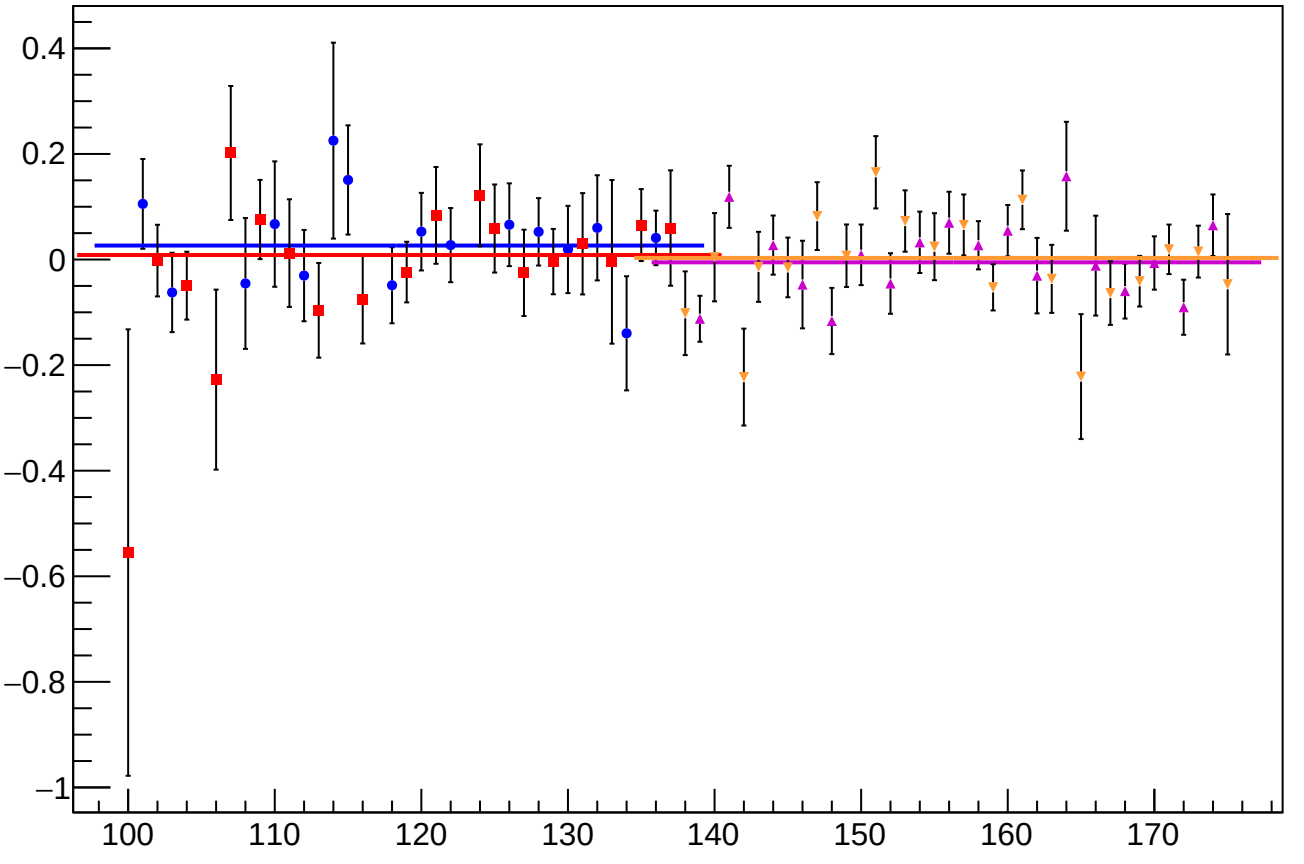
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.103+/-0.010 χ^2/NDF:686510.1/17

+ sign 52.087+/-0.008 χ^2/NDF: 1725862.6/35

All: 51.126+/-0.006 χ^2/NDF: 3117440.4/72

- sign 50.207+/-0.008 χ^2/NDF: 1363624.0/36



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.7/19

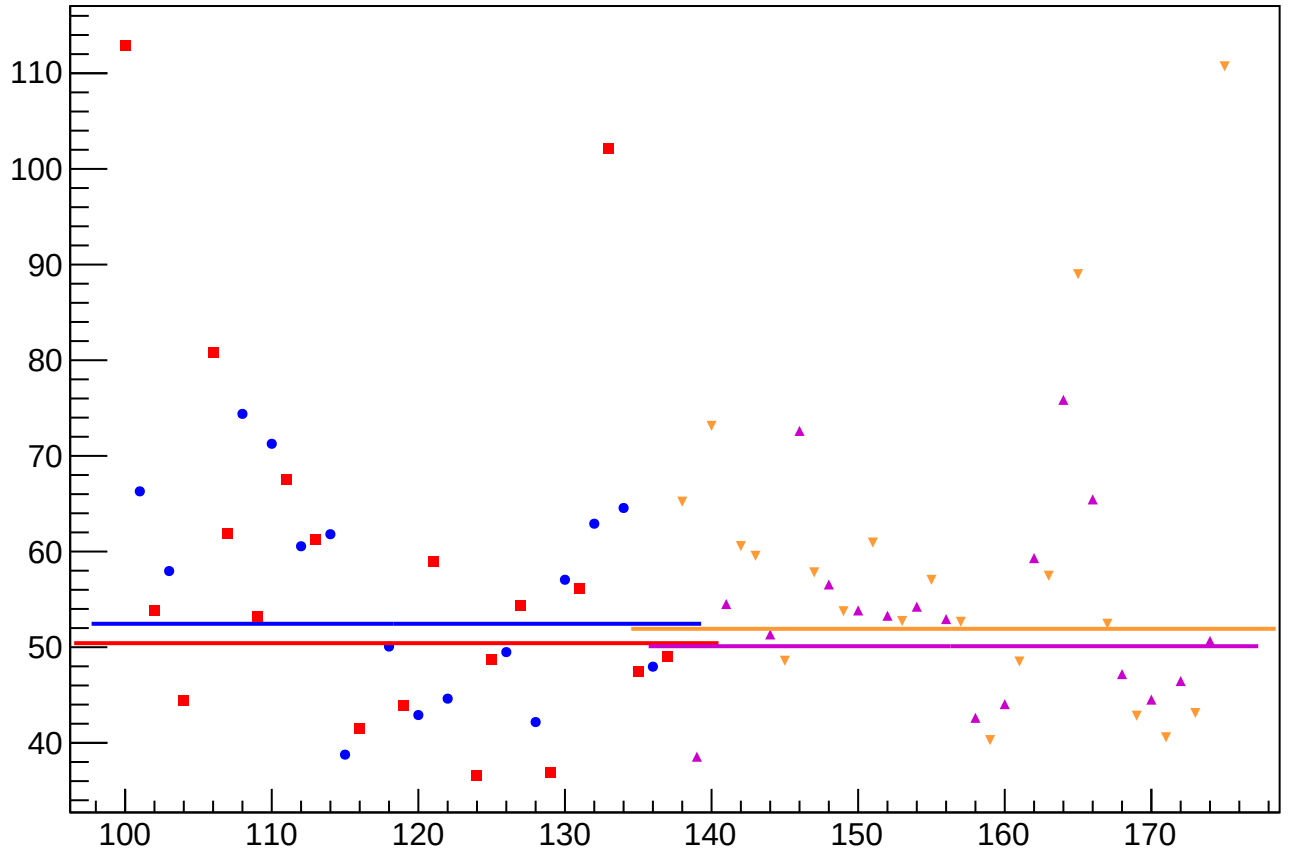
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.014 χ^2/NDF:26.7/17

+ sign 0.010+/-0.011 χ^2/NDF: 40.6/35

All: 0.005+/-0.008 χ^2/NDF: 82.1/72

- sign -0.001+/-0.011 χ^2/NDF: 41.0/36



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 51.923+/-0.010 χ^2/NDF:1306977.1/19

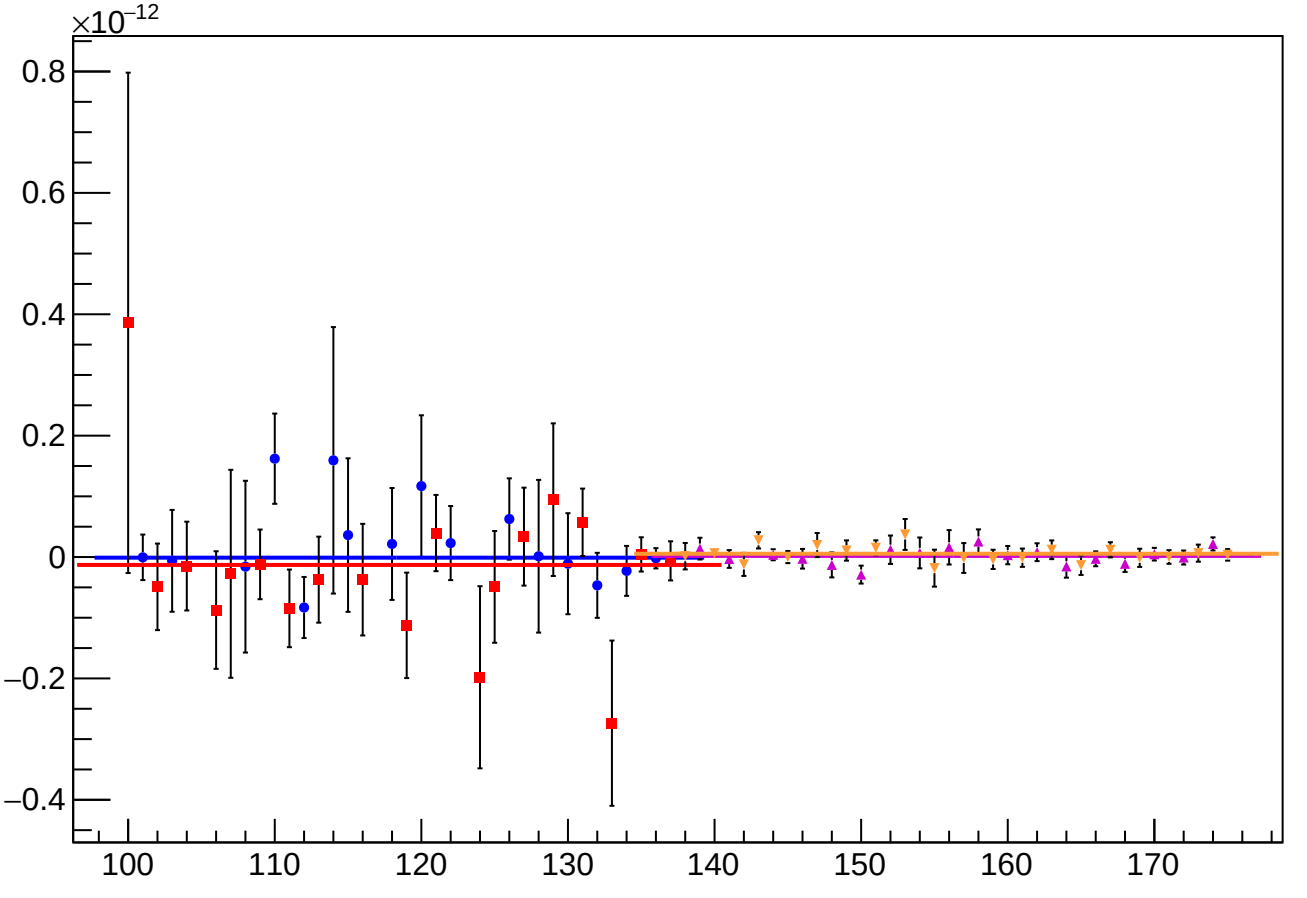
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.103+/-0.010 χ^2/NDF:686510.1/17

+ sign 52.087+/-0.008 χ^2/NDF: 1725862.6/35

All: 51.126+/-0.006 χ^2/NDF: 3117440.4/72

- sign 50.207+/-0.008 χ^2/NDF: 1363624.0/36



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/19

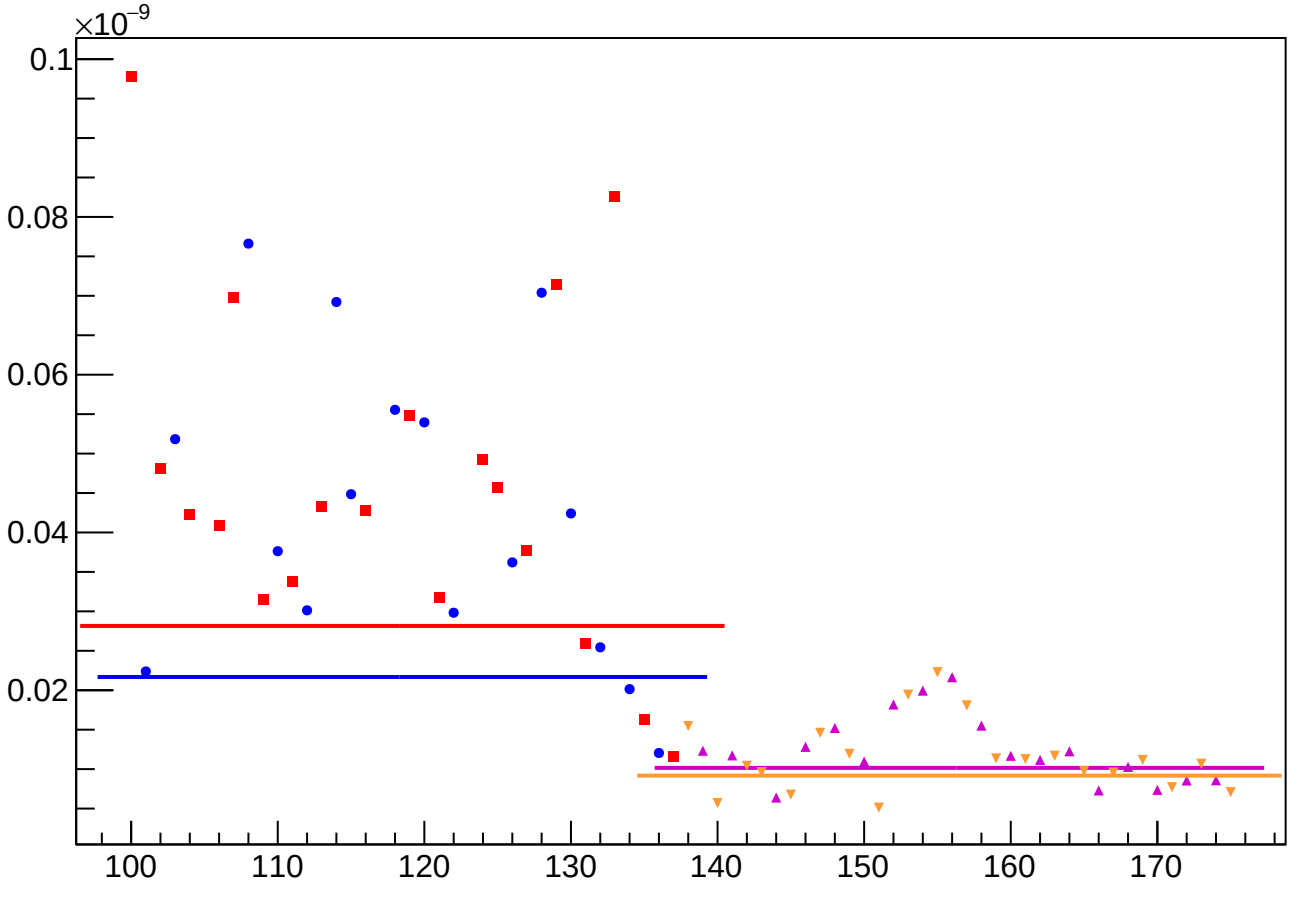
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 21.8/35

All: 0.000+/-0.000 χ^2/NDF: 50.2/72

- sign 0.000+/-0.000 χ^2/NDF: 27.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2358335.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

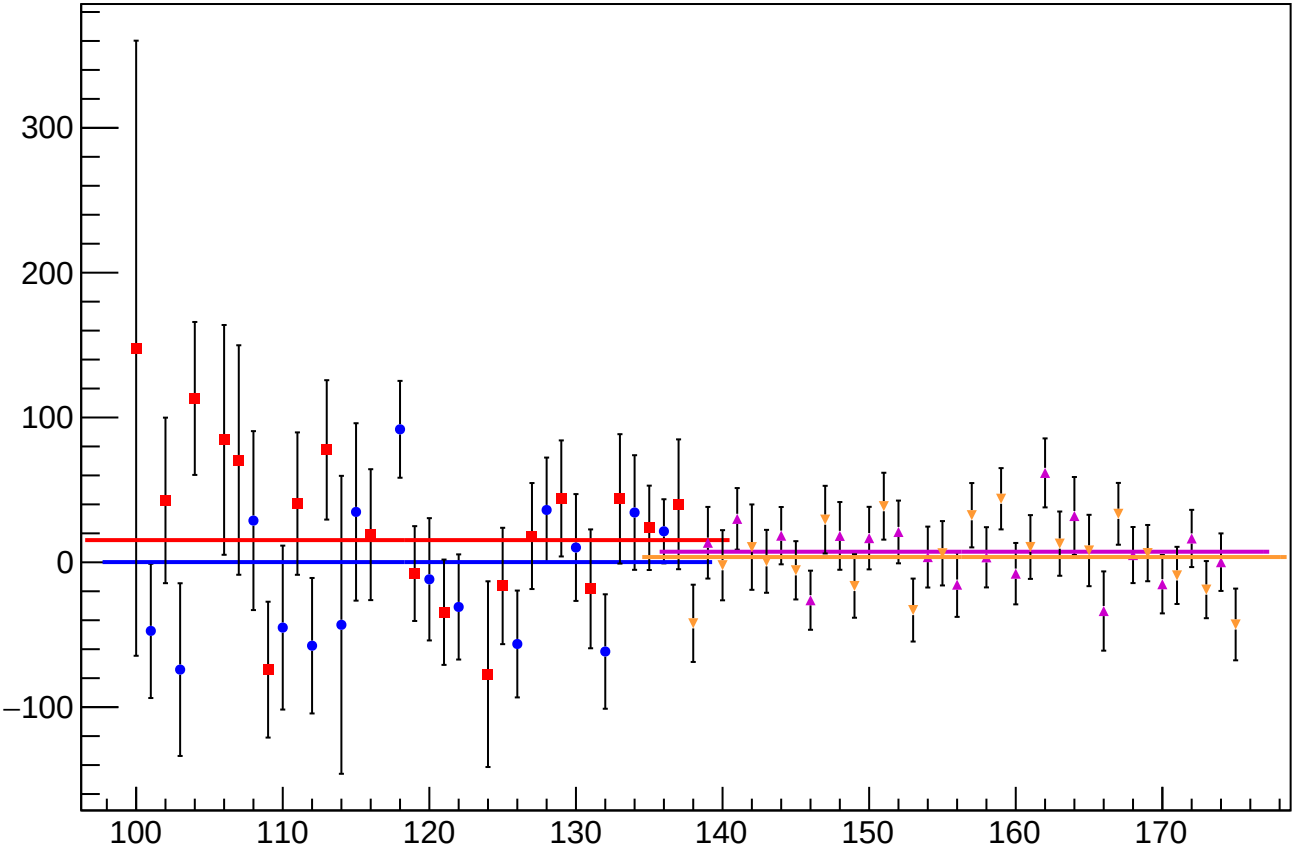
Left In: 0.000+/-0.000 χ^2/NDF:1970589.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 6922206.5/35

All: 0.000+/-0.000 χ^2/NDF: 14322171.8/72

- sign 0.000+/-0.000 χ^2/NDF: 7272255.6/36

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.633+/-4.975 χ^2/NDF:23.3/19

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

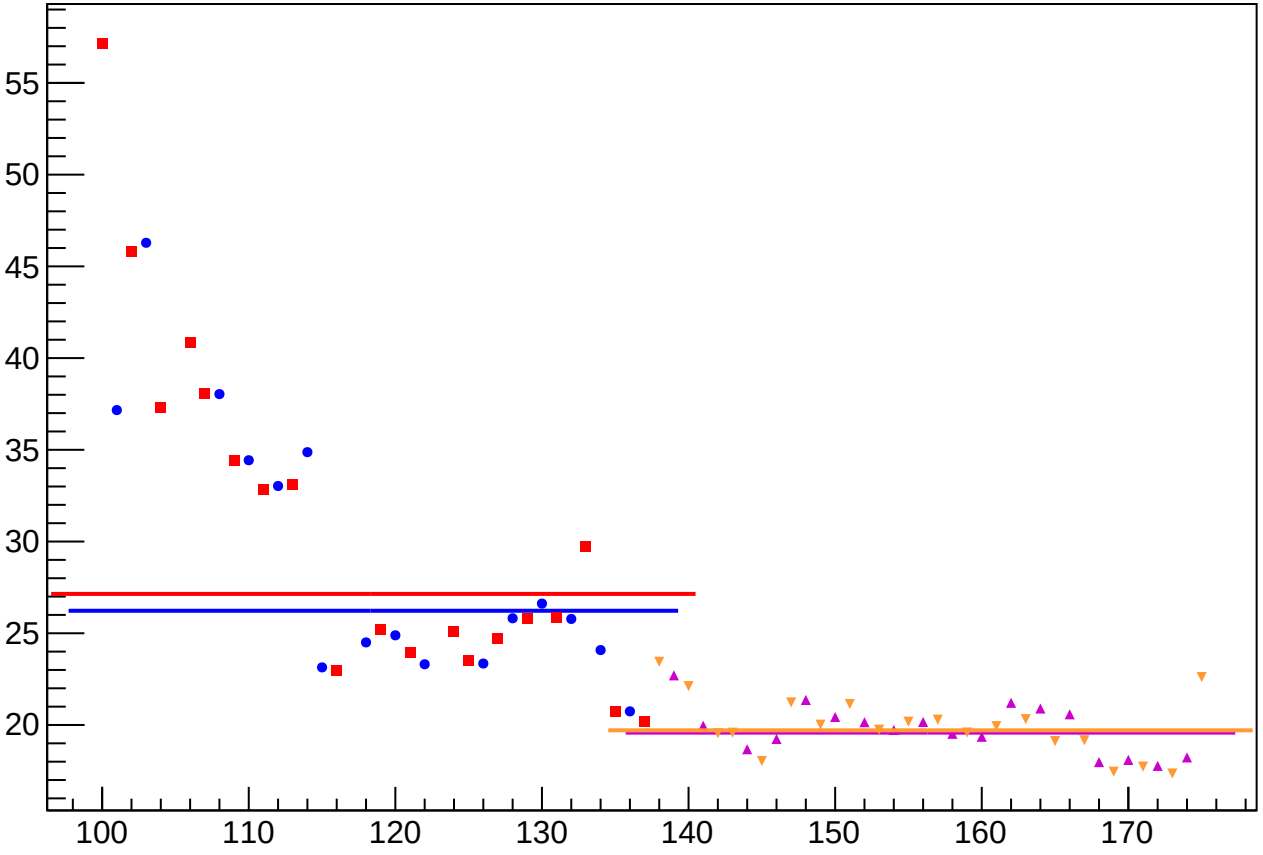
Left In: 7.309+/-5.102 χ^2/NDF:16.5/17

+ sign 2.948+/-4.459 χ^2/NDF: 44.8/35

All: 5.851+/-3.191 χ^2/NDF: 80.6/72

- sign 8.898+/-4.569 χ^2/NDF: 35.0/36

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.709+/-0.004 χ^2/NDF:199156.9/19

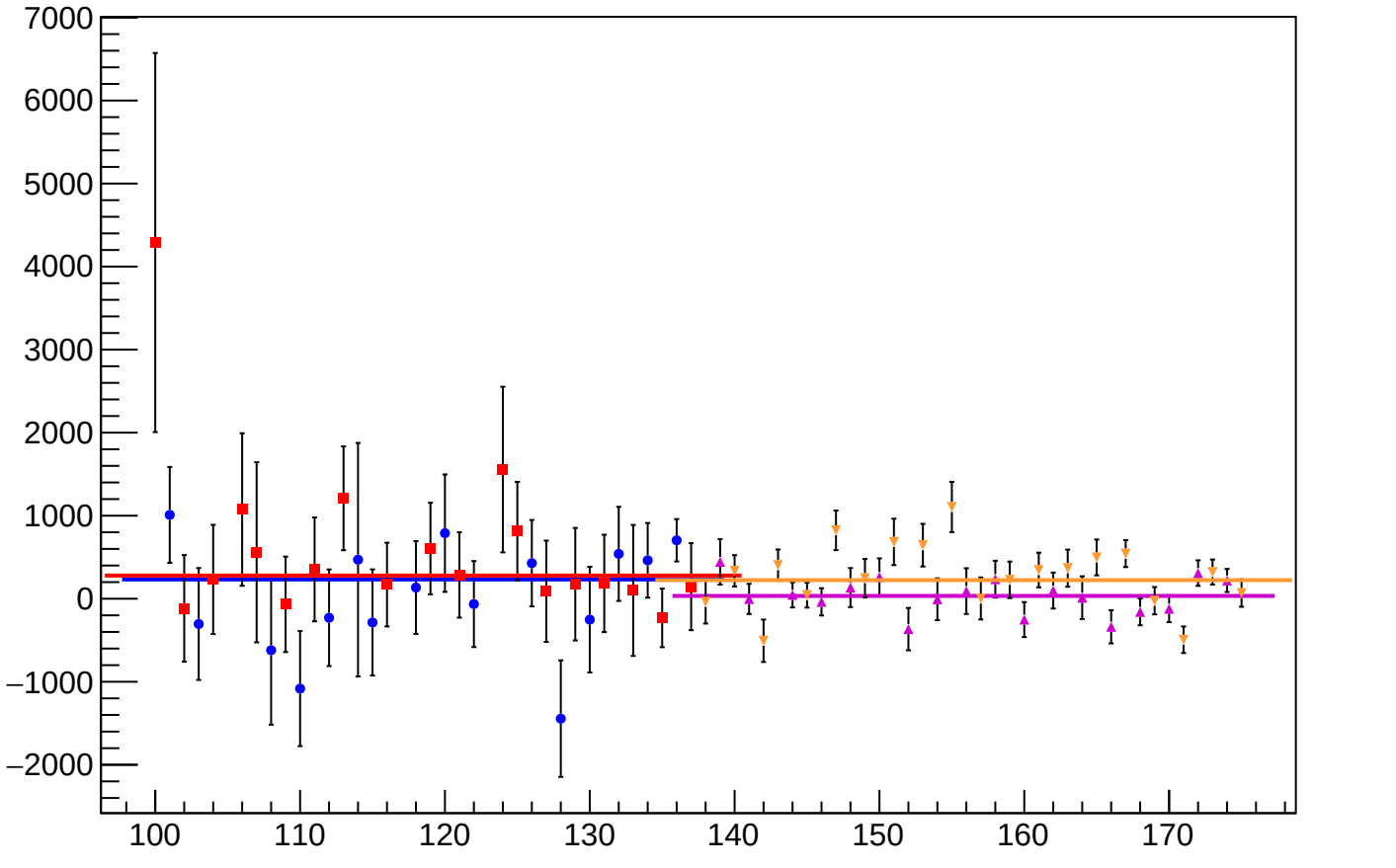
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.582+/-0.004 χ^2/NDF:122500.1/17

+ sign 20.992+/-0.003 χ^2/NDF: 1551088.3/35

All: 21.035+/-0.002 χ^2/NDF: 3299723.4/72

- sign 21.080+/-0.003 χ^2/NDF: 1748258.6/36



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 223.627+/-44.624 χ^2/NDF:62.9/19

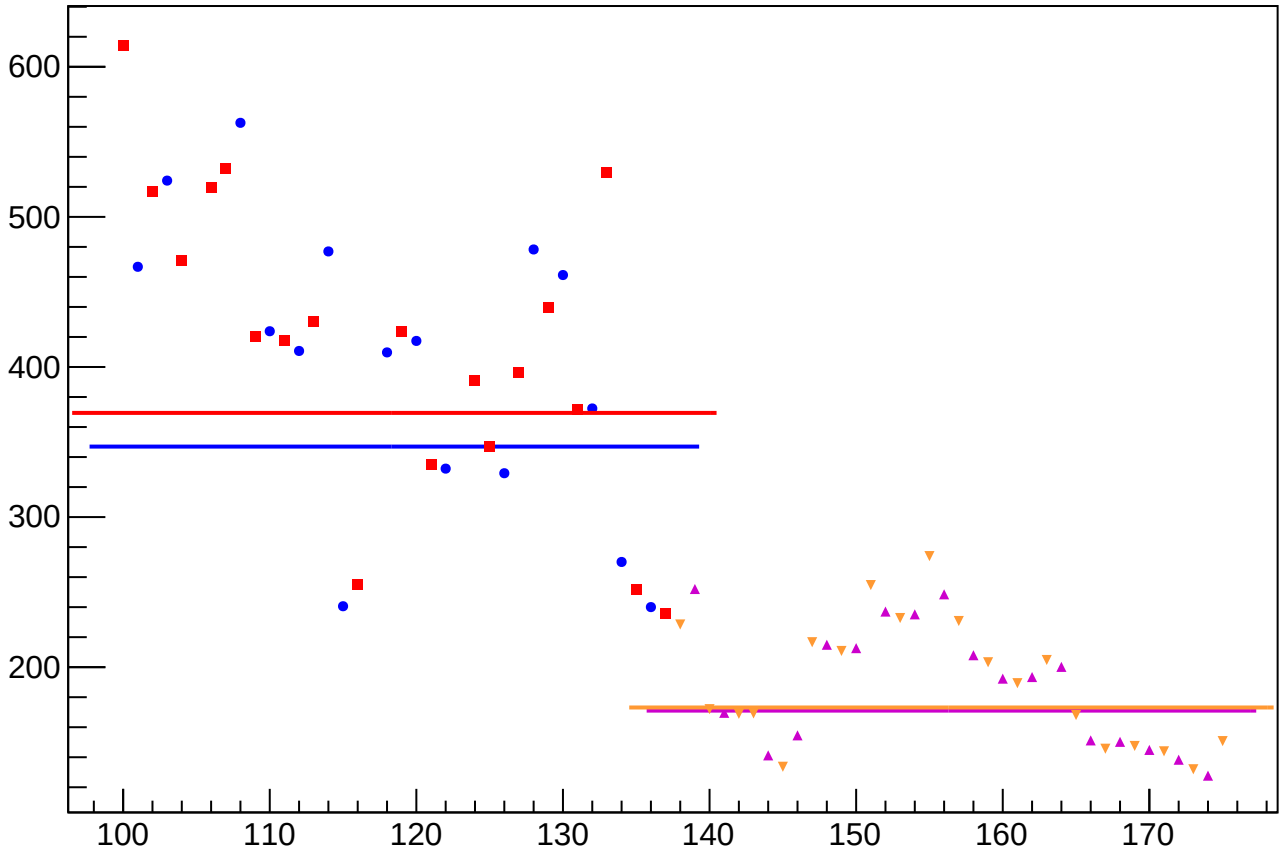
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 33.709+/-45.538 χ^2/NDF:19.7/17

+ sign 224.462+/-42.365 χ^2/NDF: 82.5/35

All: 142.659+/-30.283 χ^2/NDF: 124.8/72

- sign 57.192+/-43.304 χ^2/NDF: 34.6/36



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 173.141+/-0.032 χ^2/NDF:1404362.1/19

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

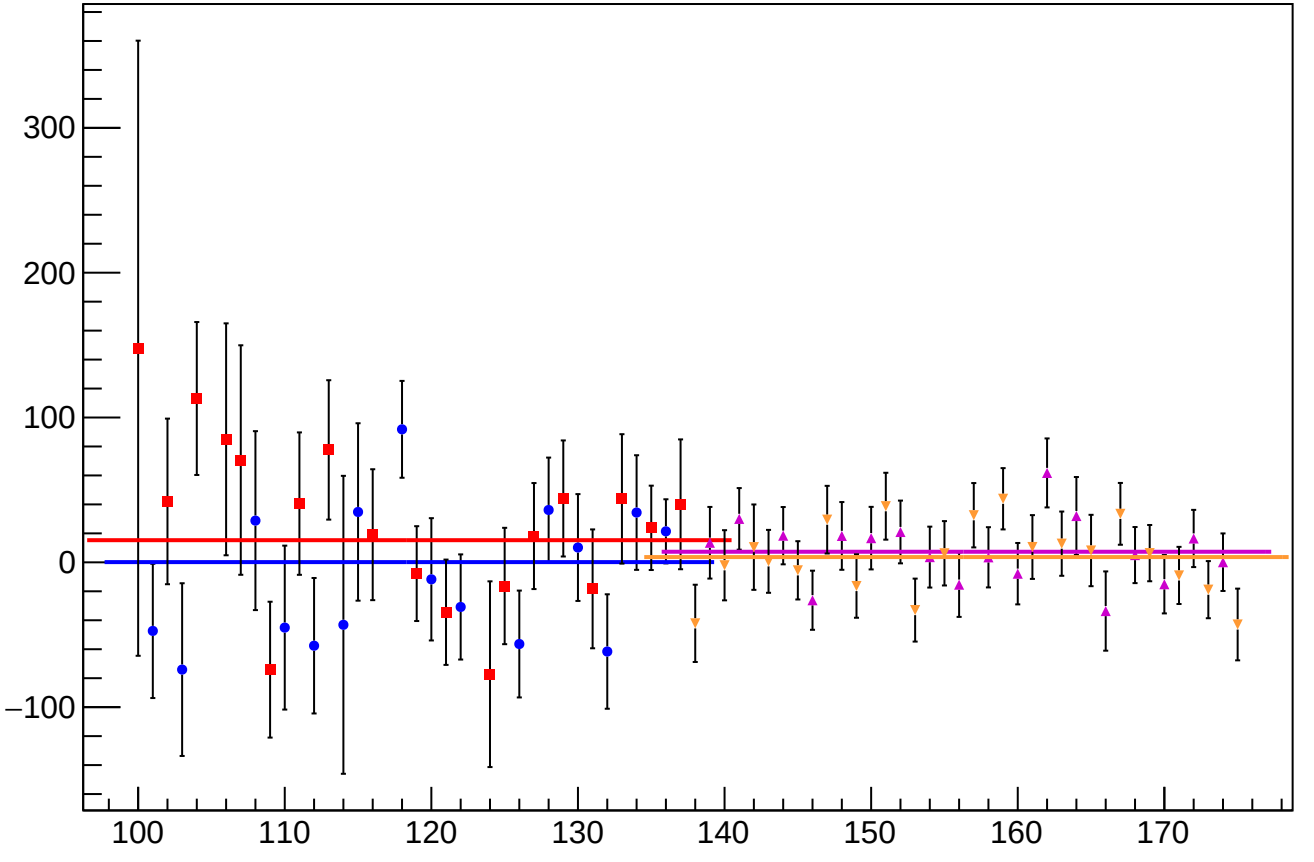
Left In: 171.066+/-0.032 χ^2/NDF:1346717.0/17

+ sign 190.293+/-0.030 χ^2/NDF: 5456842.9/35

All: 190.175+/-0.021 χ^2/NDF: 11354349.1/72

- sign 190.051+/-0.031 χ^2/NDF: 5897474.5/36

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.632+/-4.975 χ^2/NDF:23.3/19

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

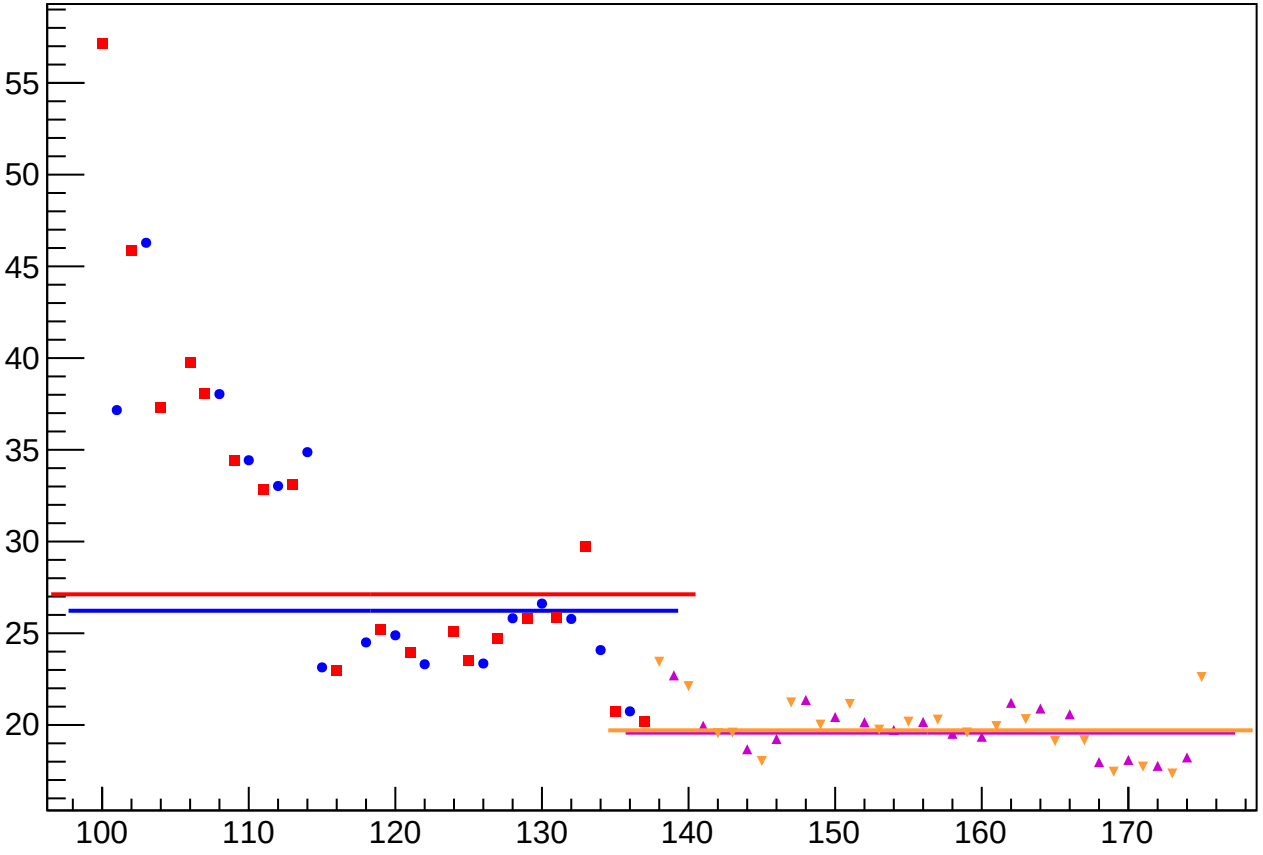
Left In: 7.310+/-5.102 χ^2/NDF:16.5/17

\+ sign 2.948+/-4.459 χ^2/NDF: 44.8/35

All: 5.846+/-3.191 χ^2/NDF: 80.6/72

\- sign 8.890+/-4.569 χ^2/NDF: 34.9/36

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.709+/-0.004 χ^2/NDF:199156.9/19

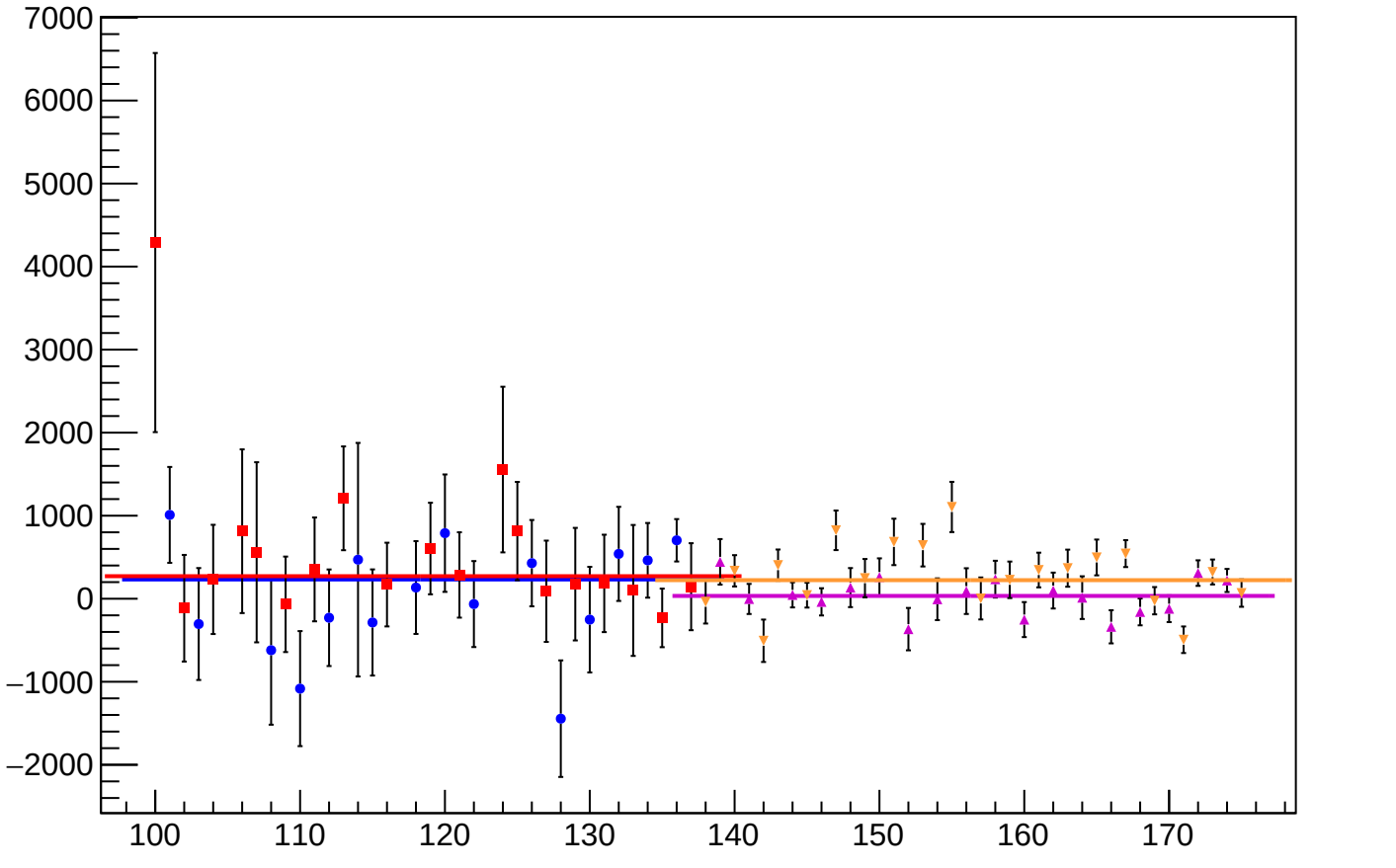
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.582+/-0.004 χ^2/NDF:122500.1/17

+ sign 20.992+/-0.003 χ^2/NDF: 1551091.6/35

All: 21.033+/-0.002 χ^2/NDF: 3284675.7/72

- sign 21.075+/-0.003 χ^2/NDF: 1733247.3/36



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 223.626+/-44.624 χ^2/NDF:62.9/19

Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

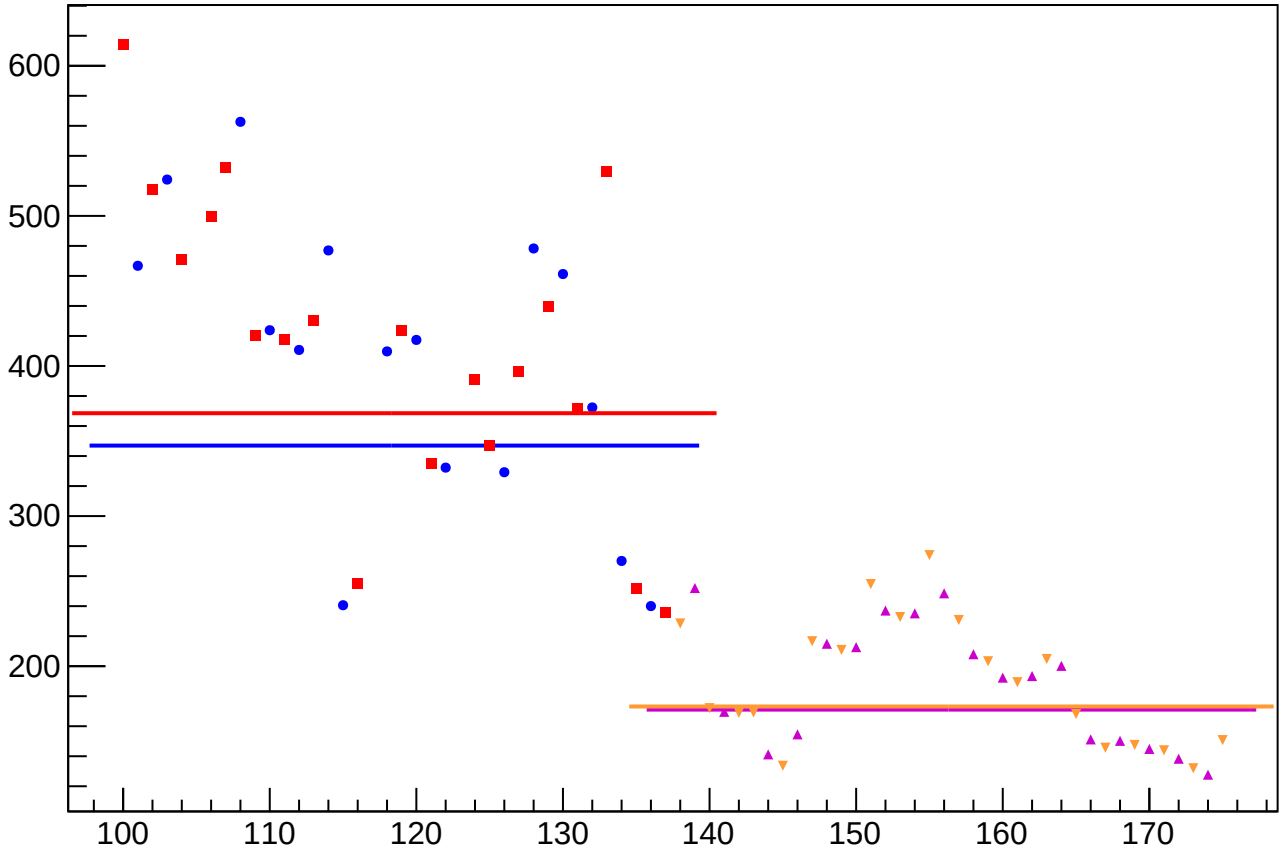
Left In: 33.709+/-45.538 χ^2/NDF:19.7/17

+ sign 224.461+/-42.365 χ^2/NDF: 82.5/35

All: 142.283+/-30.285 χ^2/NDF: 124.2/72

- sign 56.398+/-43.310 χ^2/NDF: 34.0/36

asym_sam_1357_2468_dd_cor_correction_rms vs Slug



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 173.141+/-0.032 χ^2/NDF:1404364.8/19

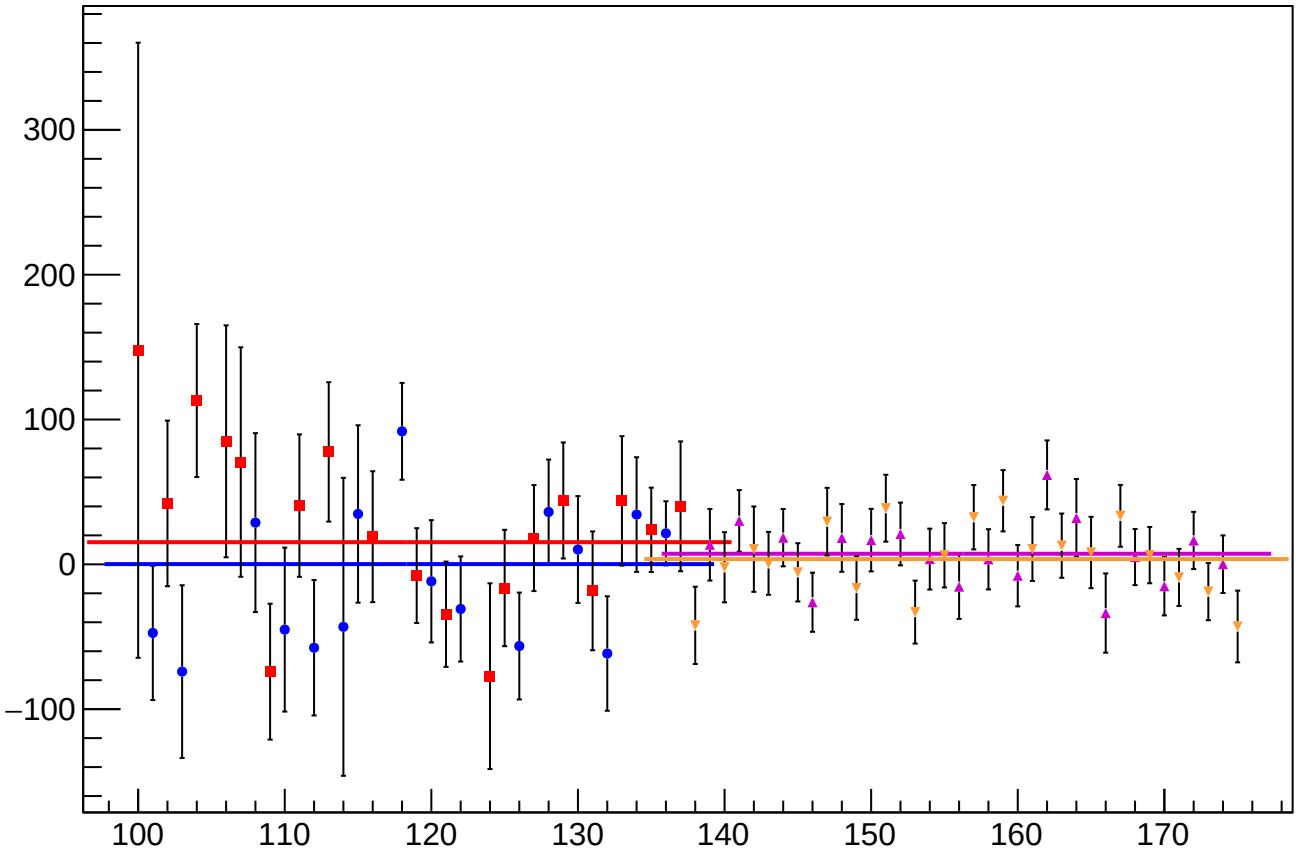
Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 171.066+/-0.032 χ^2/NDF:1346713.3/17

+ sign 190.292+/-0.030 χ^2/NDF: 5456873.3/35

All: 190.108+/-0.021 χ^2/NDF: 11294002.9/72

- sign 189.915+/-0.031 χ^2/NDF: 5837052.1/36



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.632+/-4.975 χ^2/NDF:23.3/19

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

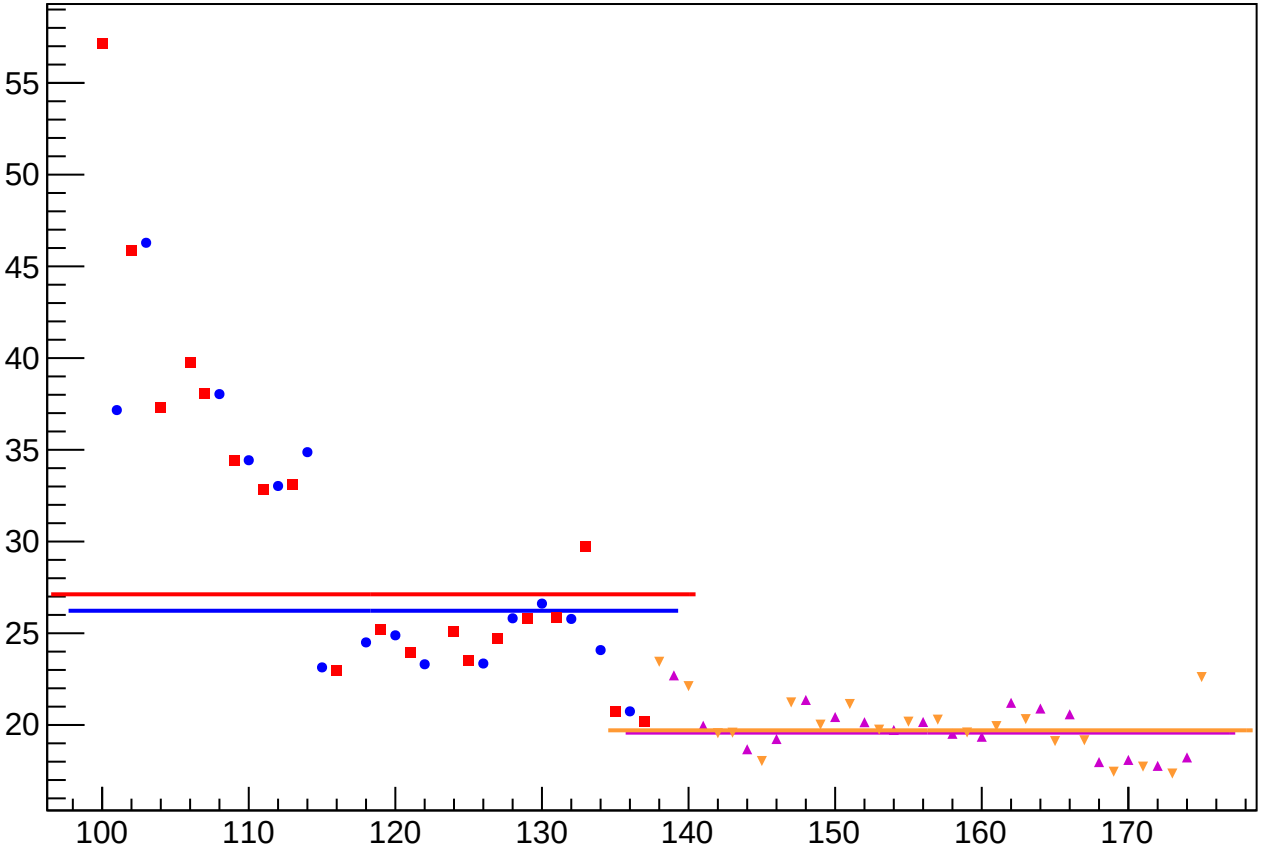
Left In: 7.310+/-5.102 χ^2/NDF:16.5/17

\+ sign 2.948+/-4.459 χ^2/NDF: 44.8/35

All: 5.846+/-3.191 χ^2/NDF: 80.6/72

\- sign 8.890+/-4.569 χ^2/NDF: 34.9/36

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.709+/-0.004 χ^2/NDF:199156.9/19

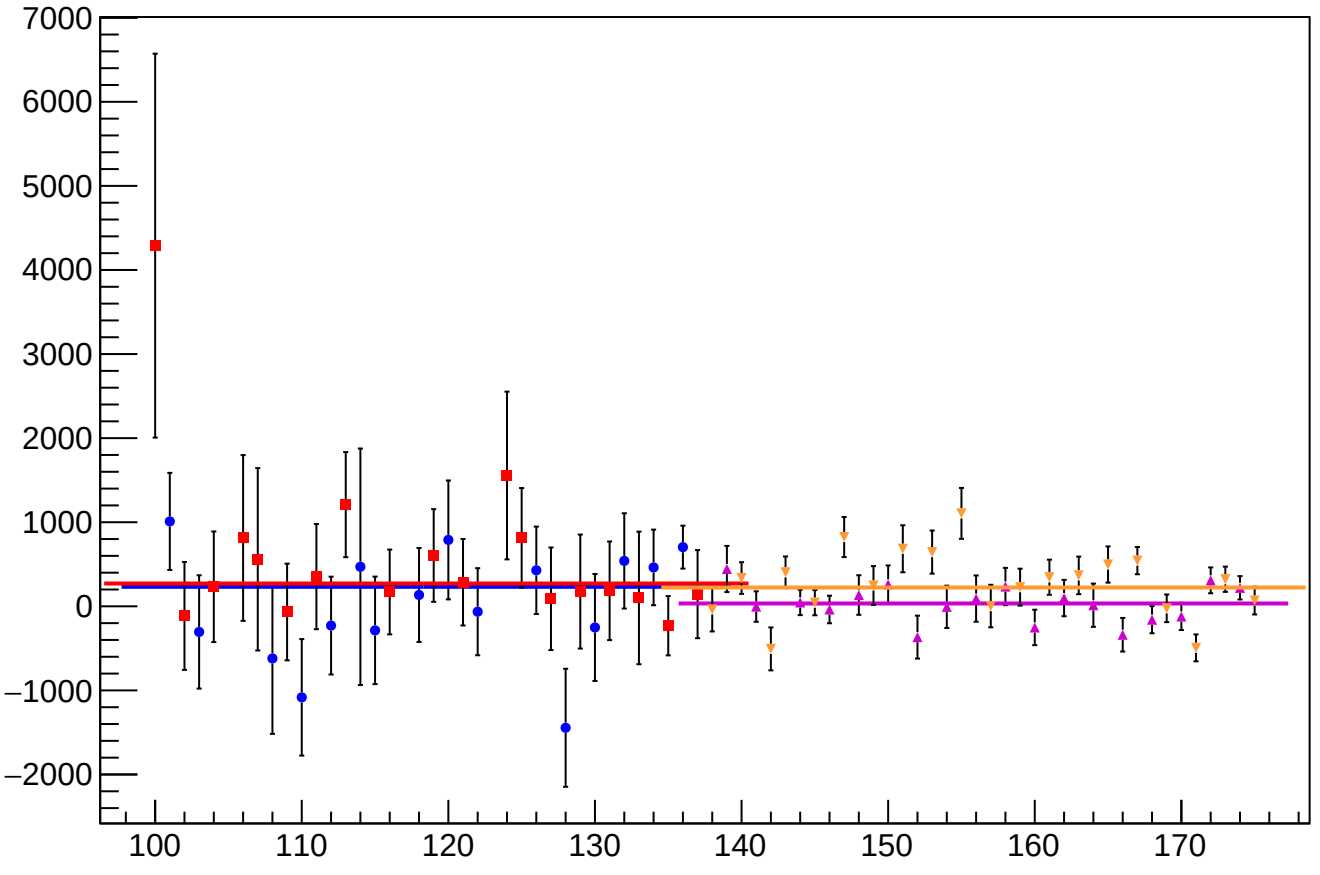
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.582+/-0.004 χ^2/NDF:122500.1/17

+ sign 20.992+/-0.003 χ^2/NDF: 1551091.6/35

All: 21.033+/-0.002 χ^2/NDF: 3284675.7/72

- sign 21.075+/-0.003 χ^2/NDF: 1733247.3/36



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 223.626+/-44.624 χ^2/NDF:62.9/19

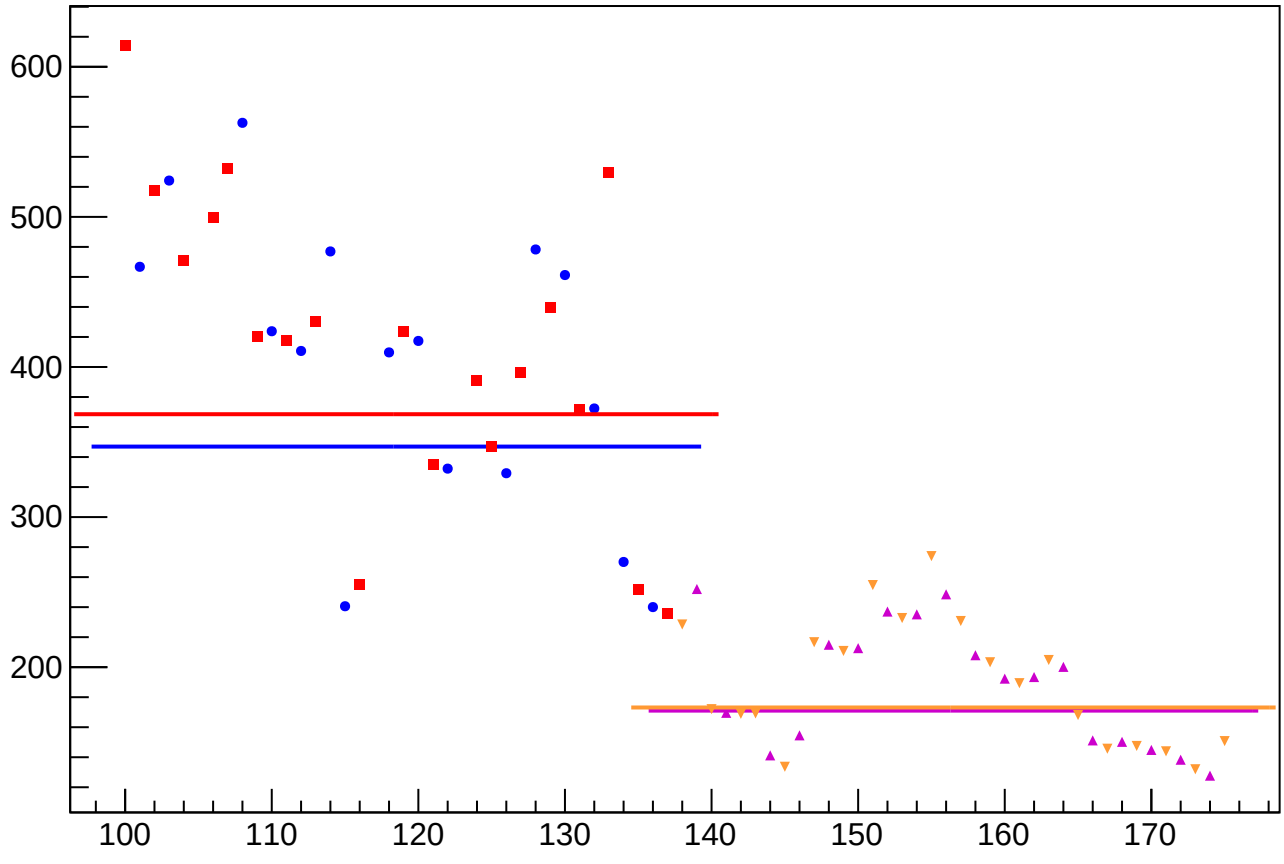
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 33.709+/-45.538 χ^2/NDF:19.7/17

+ sign 224.461+/-42.365 χ^2/NDF: 82.5/35

All: 142.283+/-30.285 χ^2/NDF: 124.2/72

- sign 56.398+/-43.310 χ^2/NDF: 34.0/36



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 173.141+/-0.032 χ^2/NDF:1404364.8/19

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

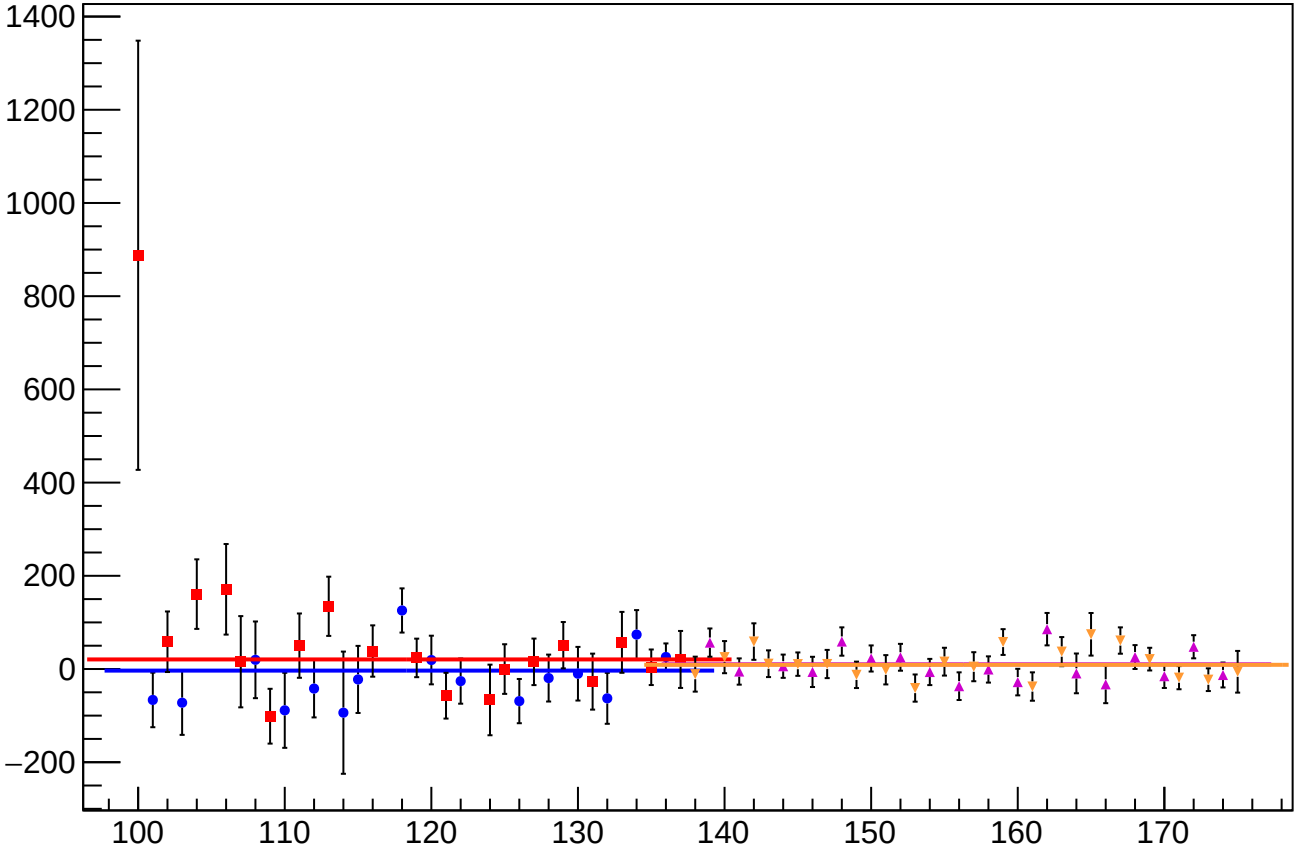
Left In: 171.066+/-0.032 χ^2/NDF:1346713.3/17

+ sign 190.292+/-0.030 χ^2/NDF: 5456873.3/35

All: 190.108+/-0.021 χ^2/NDF: 11294002.9/72

- sign 189.915+/-0.031 χ^2/NDF: 5837052.1/36

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 9.004+/-6.694 χ^2/NDF:20.9/19

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

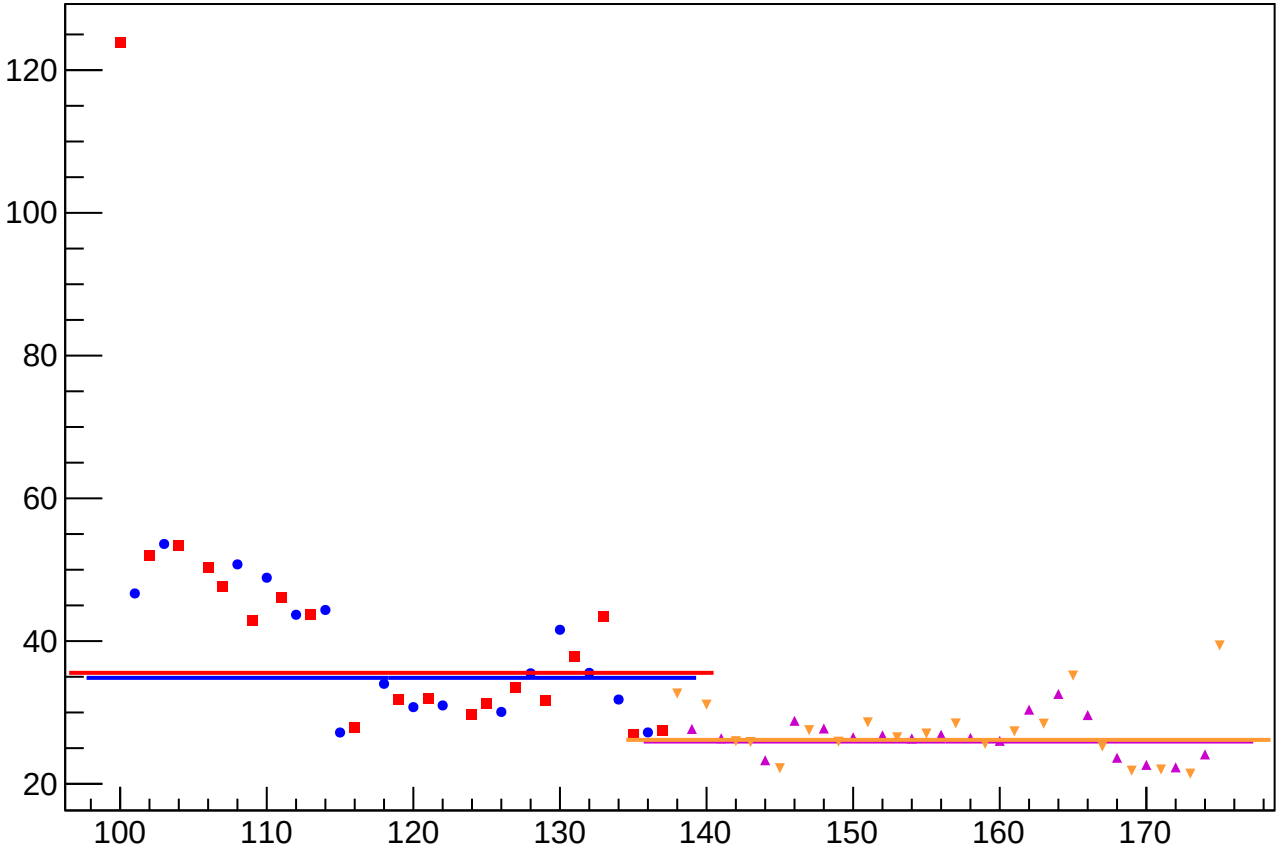
Left In: 10.077+/-6.829 χ^2/NDF:21.2/17

+ sign 6.520+/-5.987 χ^2/NDF: 40.0/35

All: 9.321+/-4.270 χ^2/NDF: 85.4/72

- sign 12.221+/-6.091 χ^2/NDF: 44.9/36

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.162+/-0.005 χ^2/NDF:644194.4/19

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

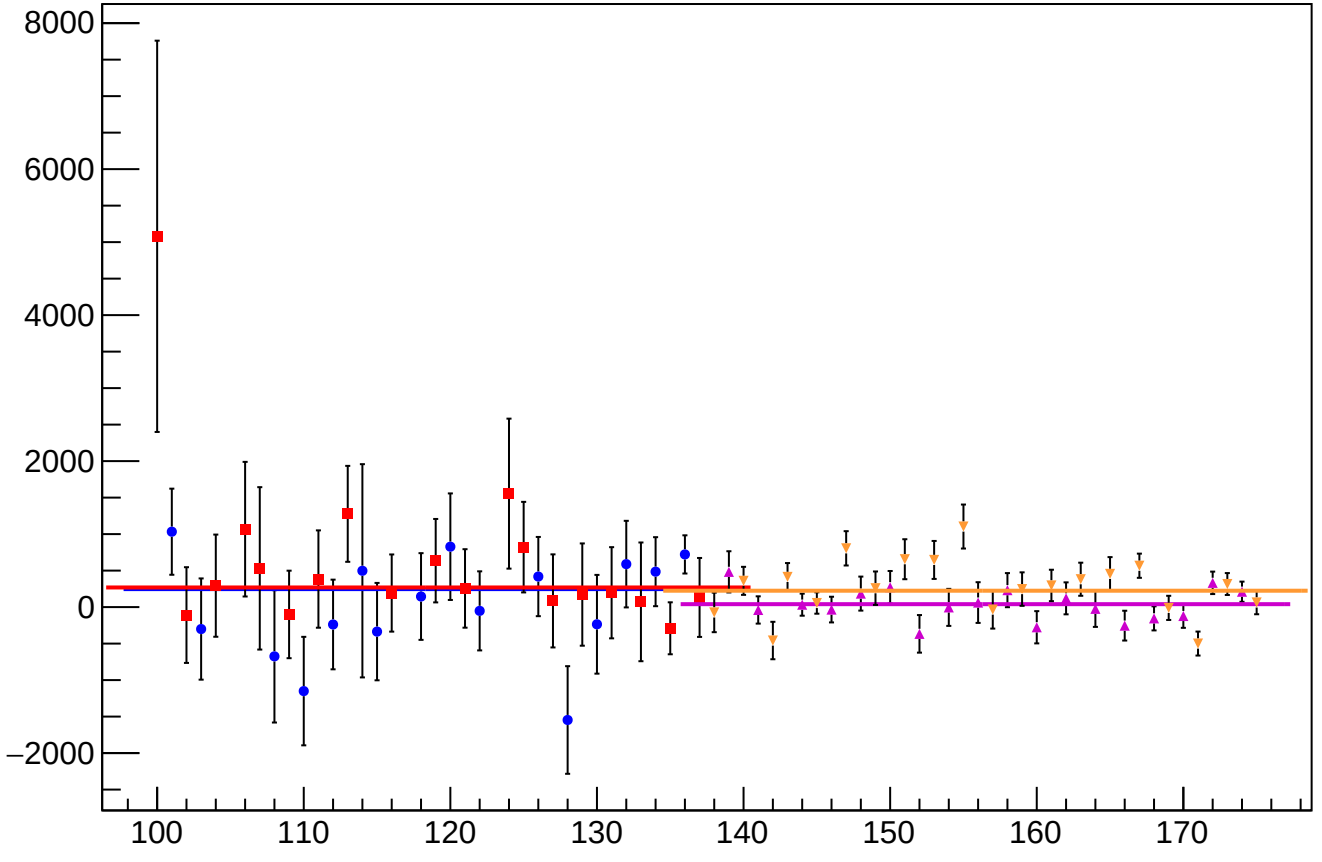
Left In: 25.925+/-0.005 χ^2/NDF:257738.9/17

+ sign 27.898+/-0.004 χ^2/NDF: 1975925.0/35

All: 27.895+/-0.003 χ^2/NDF: 3825937.5/72

- sign 27.892+/-0.004 χ^2/NDF: 1850011.5/36

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 224.421+/-45.037 χ^2/NDF:60.5/19

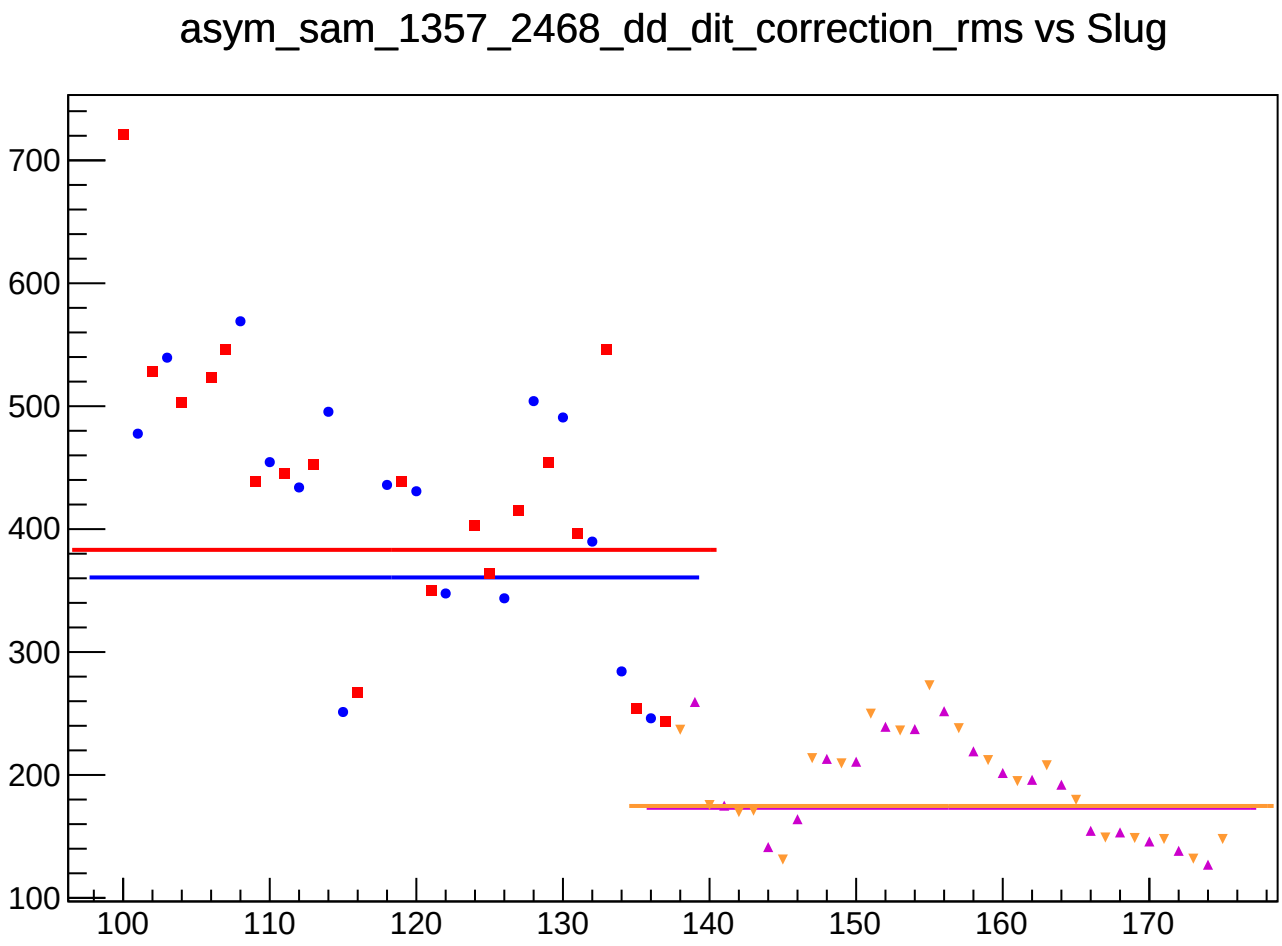
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 40.135+/-46.183 χ^2/NDF:19.4/17

+ sign 226.485+/-42.881 χ^2/NDF: 80.3/35

All: 145.960+/-30.714 χ^2/NDF: 121.8/72

- sign 61.128+/-44.013 χ^2/NDF: 34.2/36



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 174.776+/-0.032 χ^2/NDF:1459840.7/19

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

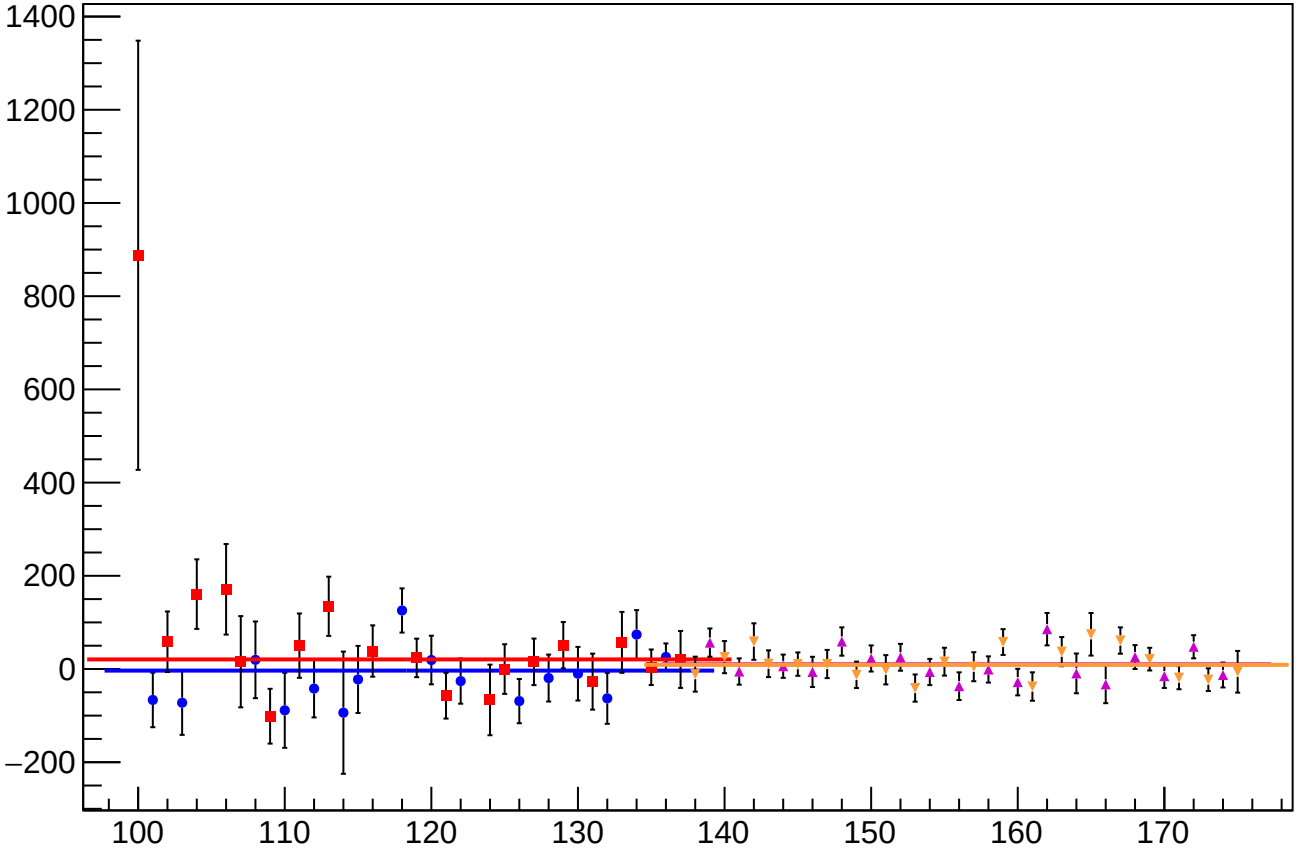
Left In: 173.287+/-0.033 χ^2/NDF:1388803.5/17

+ sign 192.149+/-0.030 χ^2/NDF: 5737528.9/35

All: 192.341+/-0.022 χ^2/NDF: 11878508.1/72

- sign 192.543+/-0.031 χ^2/NDF: 6140897.2/36

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 9.004+/-6.694 χ^2/NDF:20.9/19

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

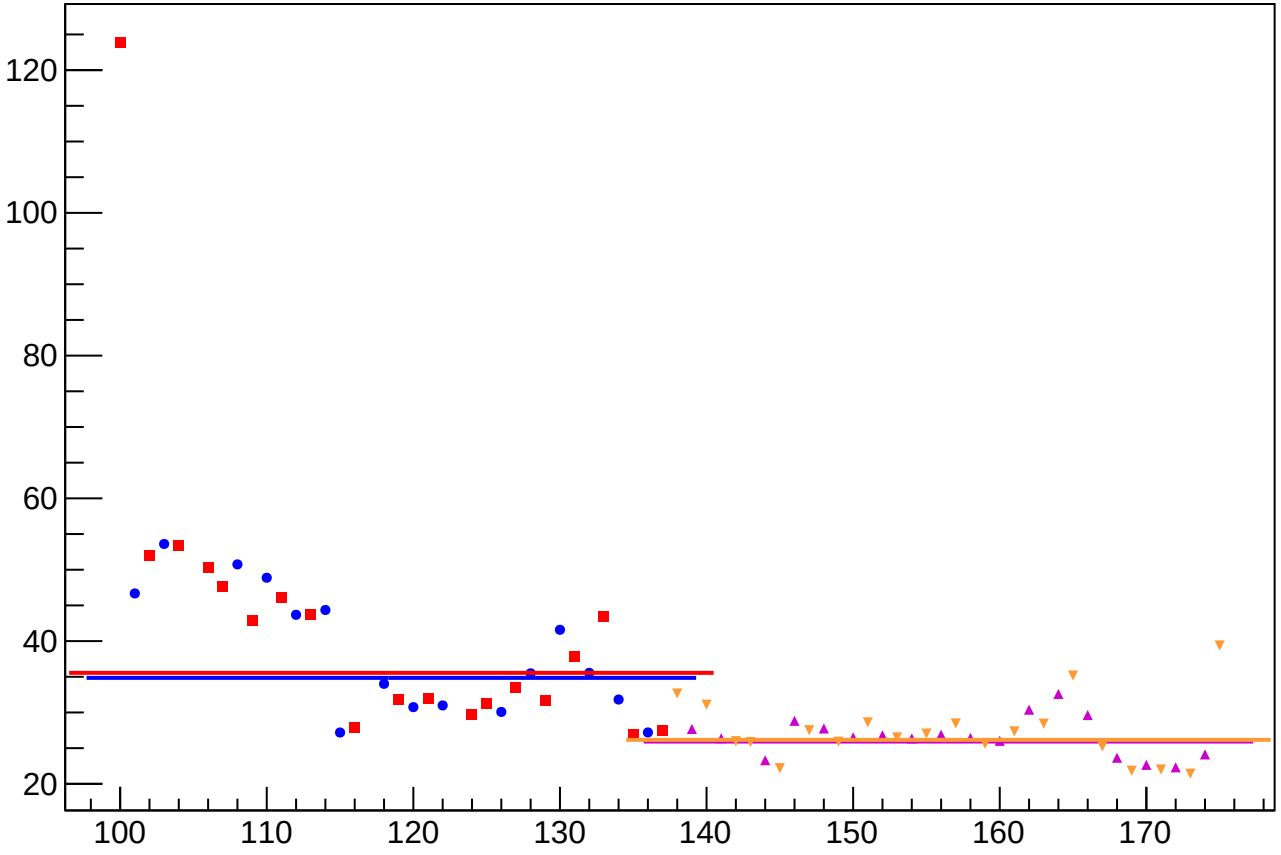
Left In: 10.077+/-6.829 χ^2/NDF:21.2/17

+ sign 6.520+/-5.987 χ^2/NDF: 40.0/35

All: 9.321+/-4.270 χ^2/NDF: 85.4/72

- sign 12.221+/-6.091 χ^2/NDF: 44.9/36

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.162+/-0.005 χ^2/NDF:644188.1/19

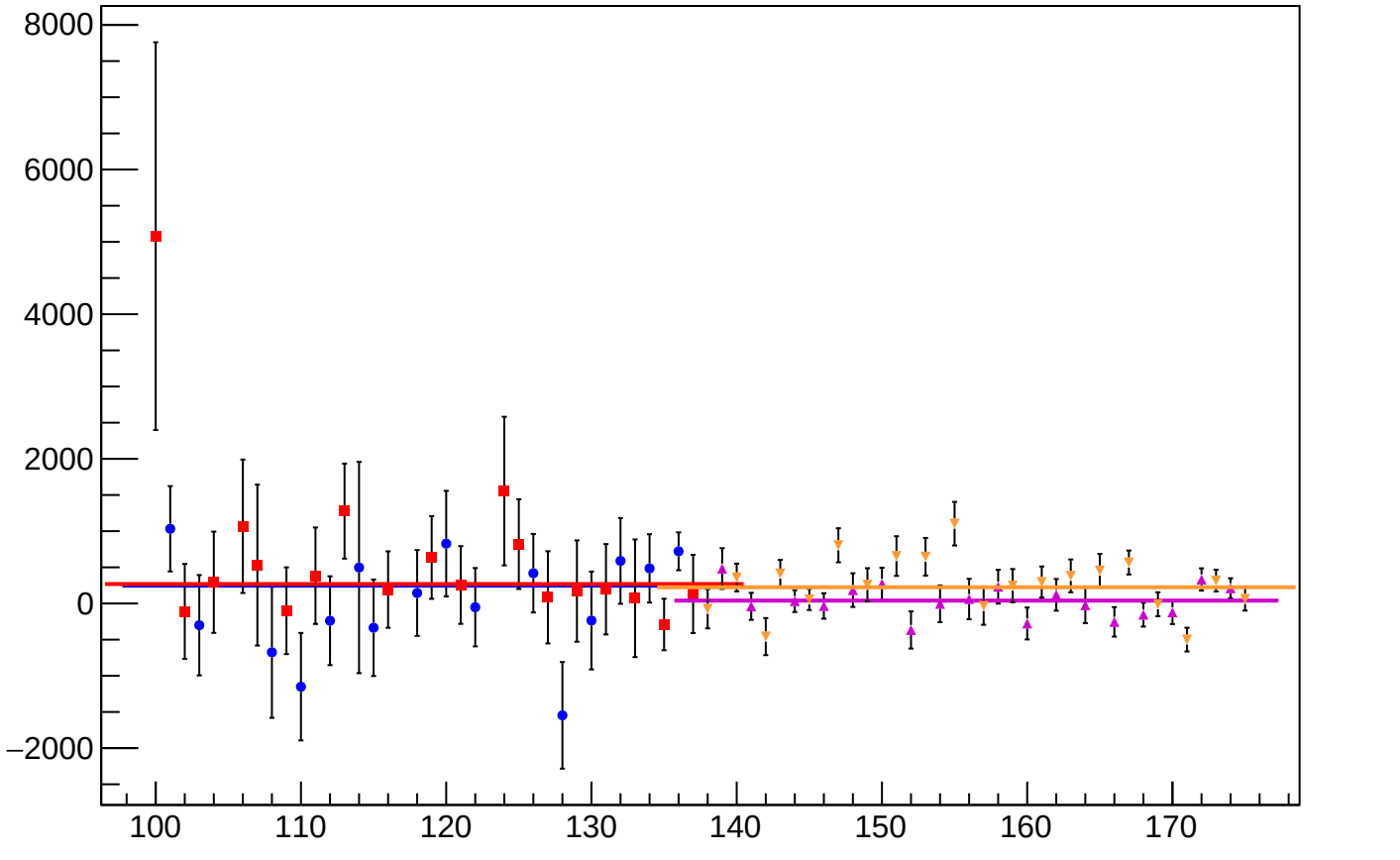
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 25.925+/-0.005 χ^2/NDF:257737.2/17

+ sign 27.898+/-0.004 χ^2/NDF: 1975793.1/35

All: 27.895+/-0.003 χ^2/NDF: 3825709.8/72

- sign 27.892+/-0.004 χ^2/NDF: 1849915.8/36



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 224.420+/-45.037 χ^2/NDF:60.5/19

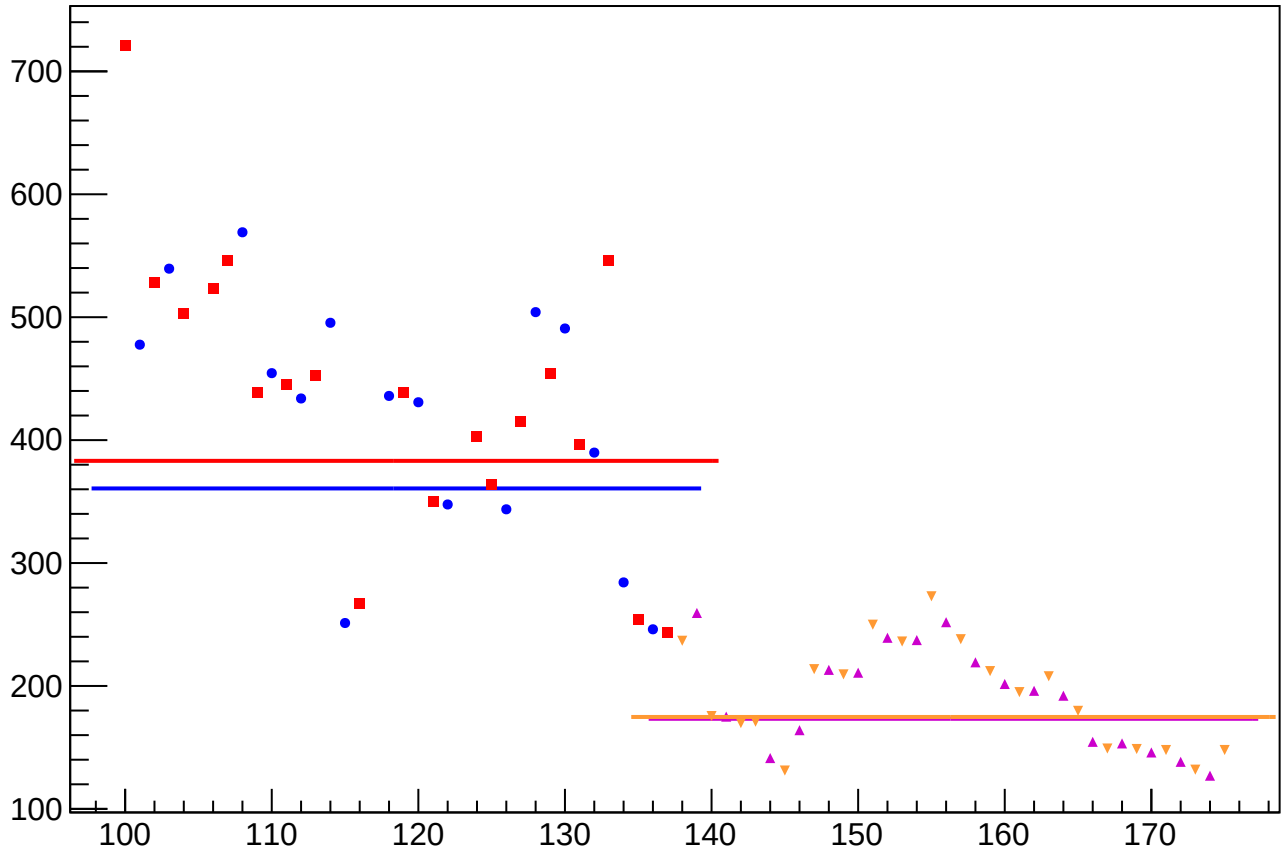
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 40.135+/-46.183 χ^2/NDF:19.4/17

+ sign 226.484+/-42.881 χ^2/NDF: 80.3/35

All: 145.959+/-30.714 χ^2/NDF: 121.8/72

- sign 61.128+/-44.013 χ^2/NDF: 34.2/36



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 174.775+/-0.032 χ^2/NDF:1459858.0/19

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

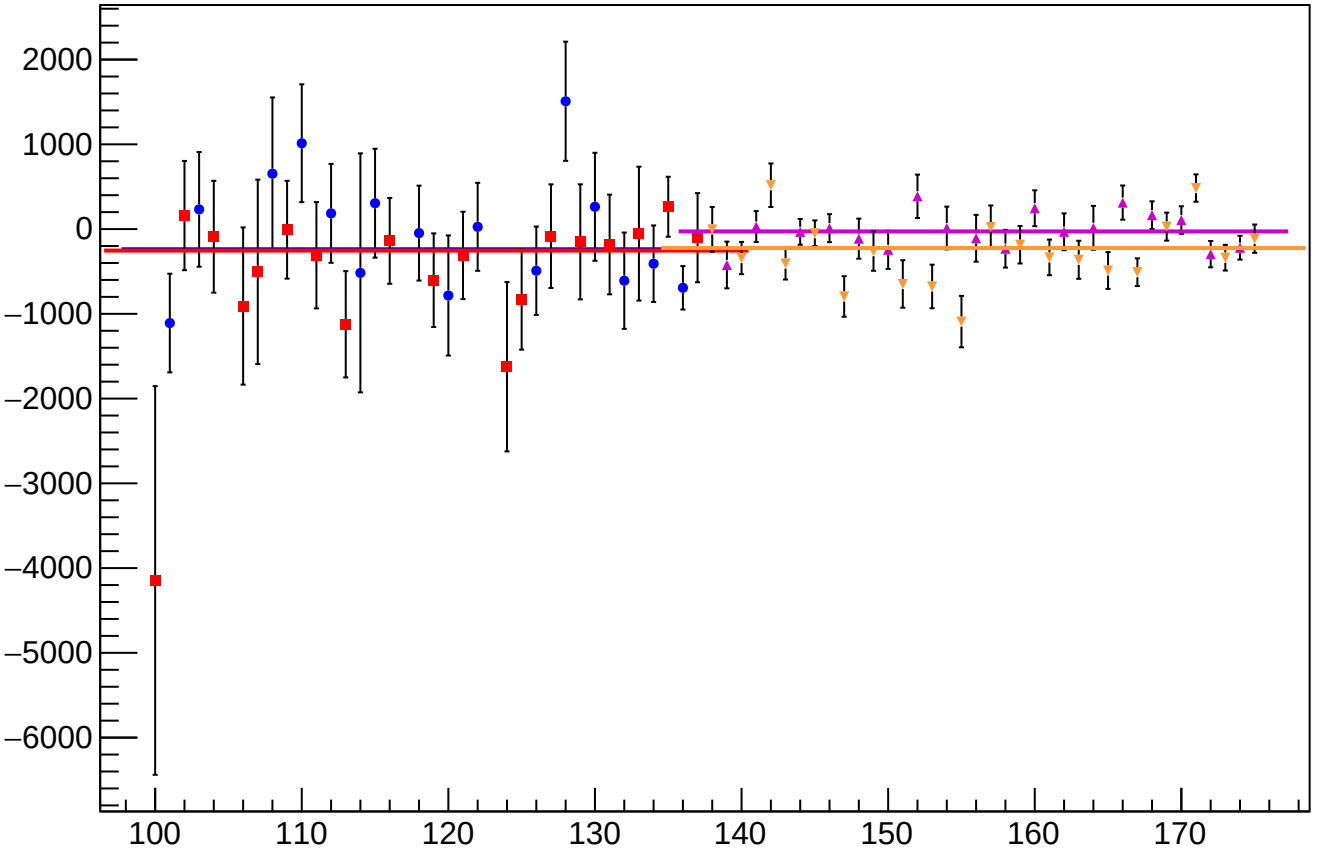
Left In: 173.287+/-0.033 χ^2/NDF:1388818.4/17

+ sign 192.149+/-0.030 χ^2/NDF: 5737541.2/35

All: 192.340+/-0.022 χ^2/NDF: 11878537.7/72

- sign 192.542+/-0.031 χ^2/NDF: 6140914.6/36

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -223.691+/-44.940 χ^2/NDF:59.7/19

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

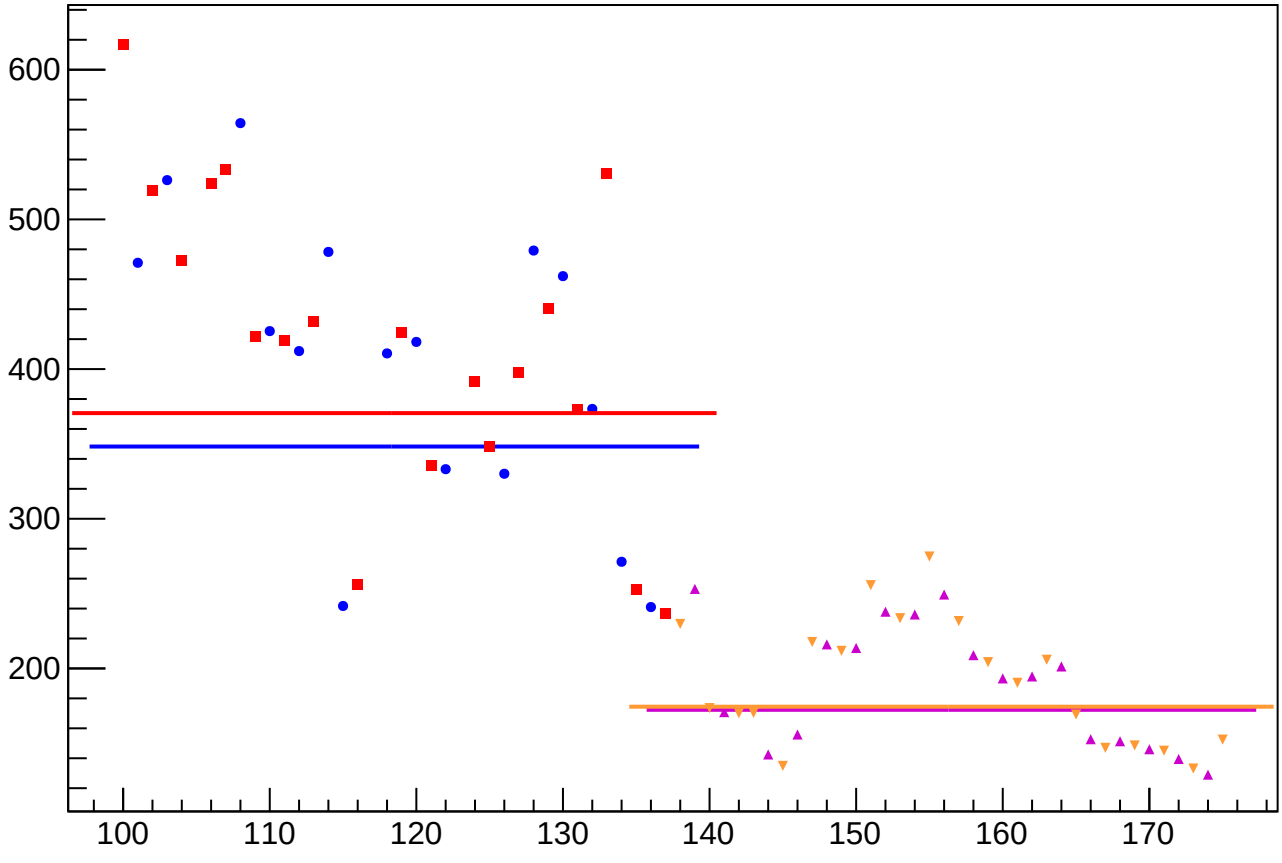
Left In: -27.393+/-45.863 χ^2/NDF:18.3/17

+ sign -225.116+/-42.651 χ^2/NDF: 79.7/35

All: -139.080+/-30.488 χ^2/NDF: 120.4/72

- sign -49.185+/-43.597 χ^2/NDF: 32.4/36

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 174.447+/-0.032 χ^2/NDF:1380132.9/19

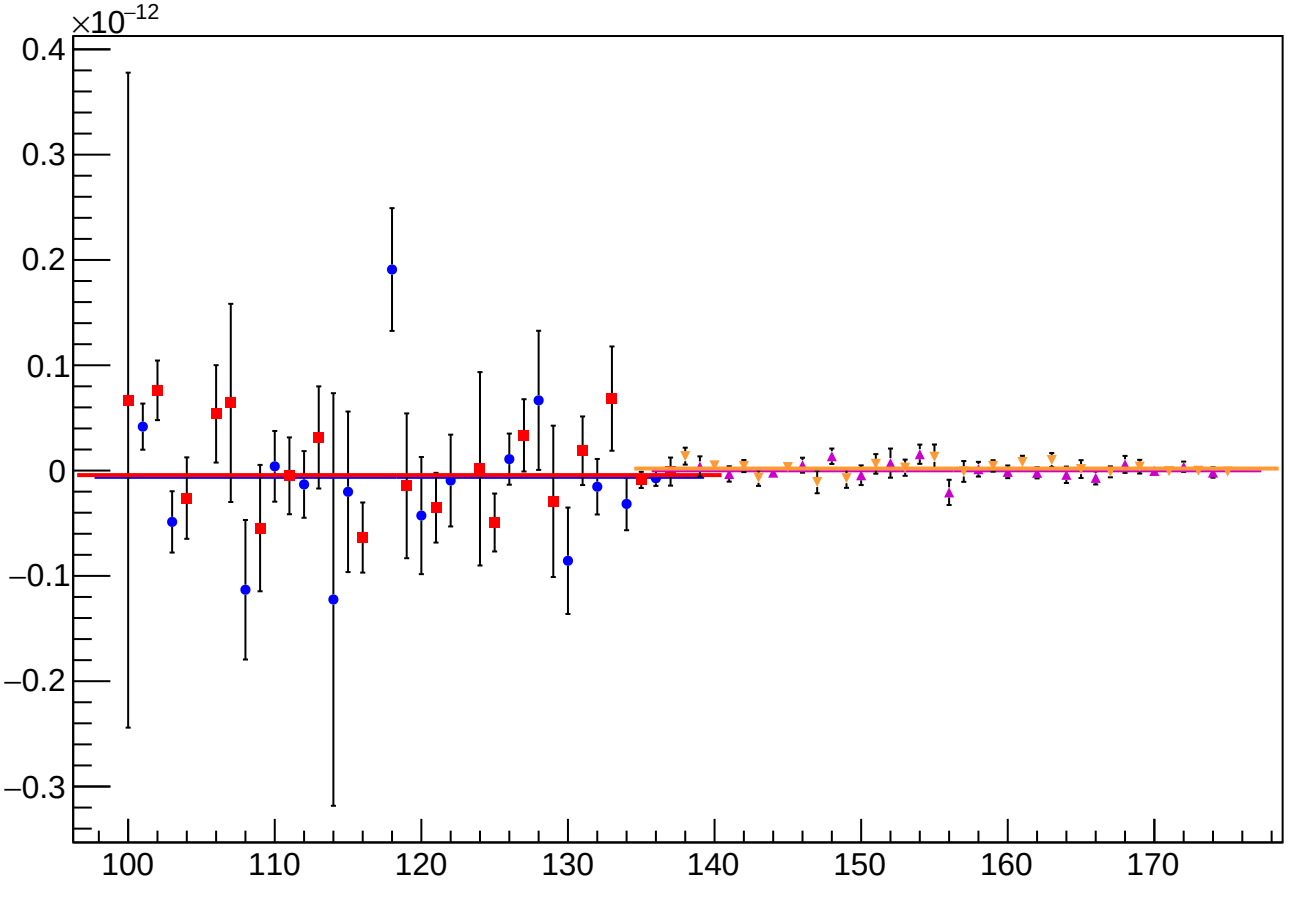
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 172.369+/-0.032 χ^2/NDF:1322251.7/17

+ sign 191.706+/-0.030 χ^2/NDF: 5407450.2/35

All: 191.594+/-0.022 χ^2/NDF: 11248965.5/72

- sign 191.478+/-0.031 χ^2/NDF: 5841487.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/19

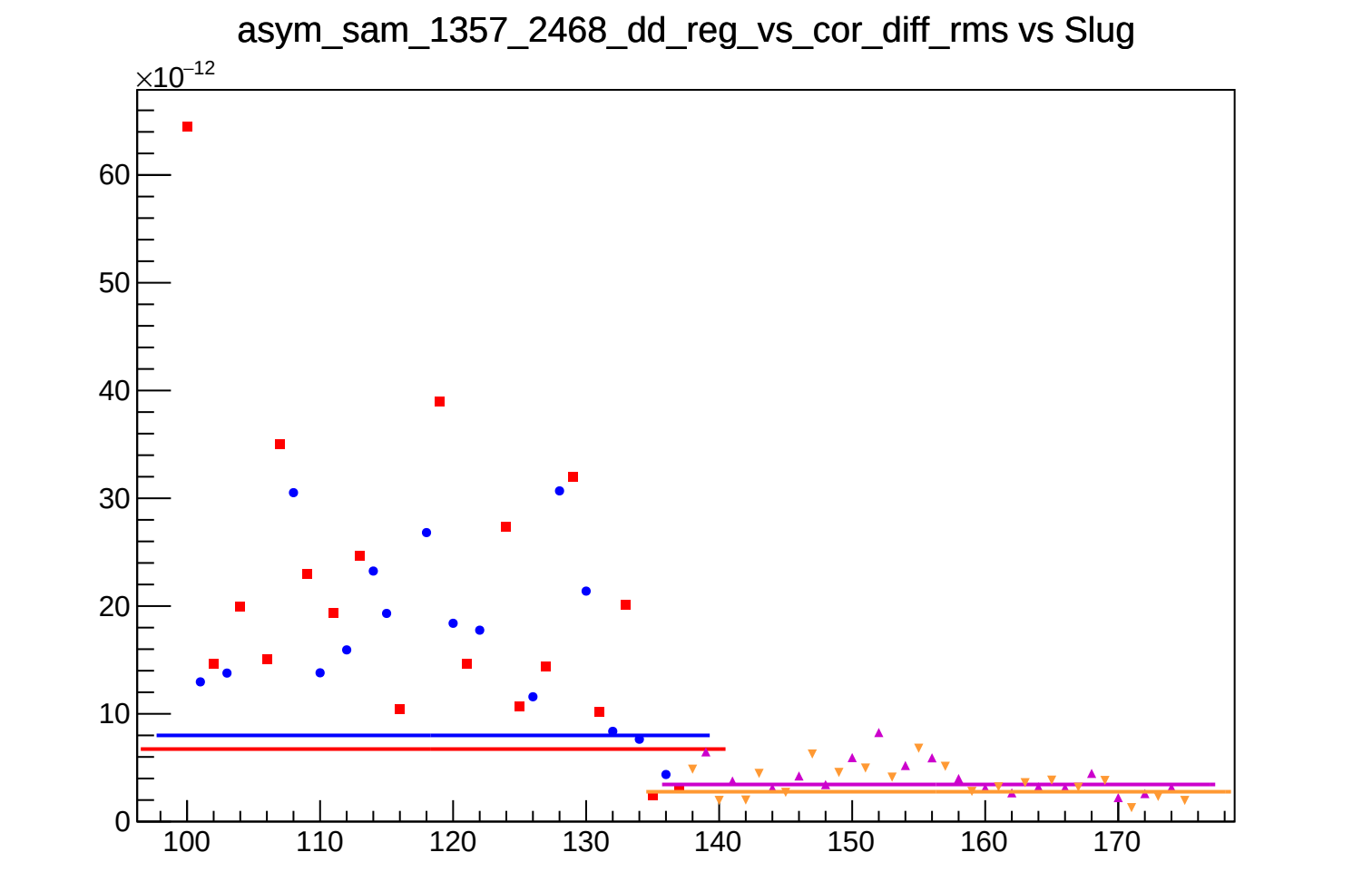
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 41.7/35

All: 0.000+/-0.000 χ^2/NDF: 79.8/72

- sign -0.000+/-0.000 χ^2/NDF: 37.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1820294.6/19

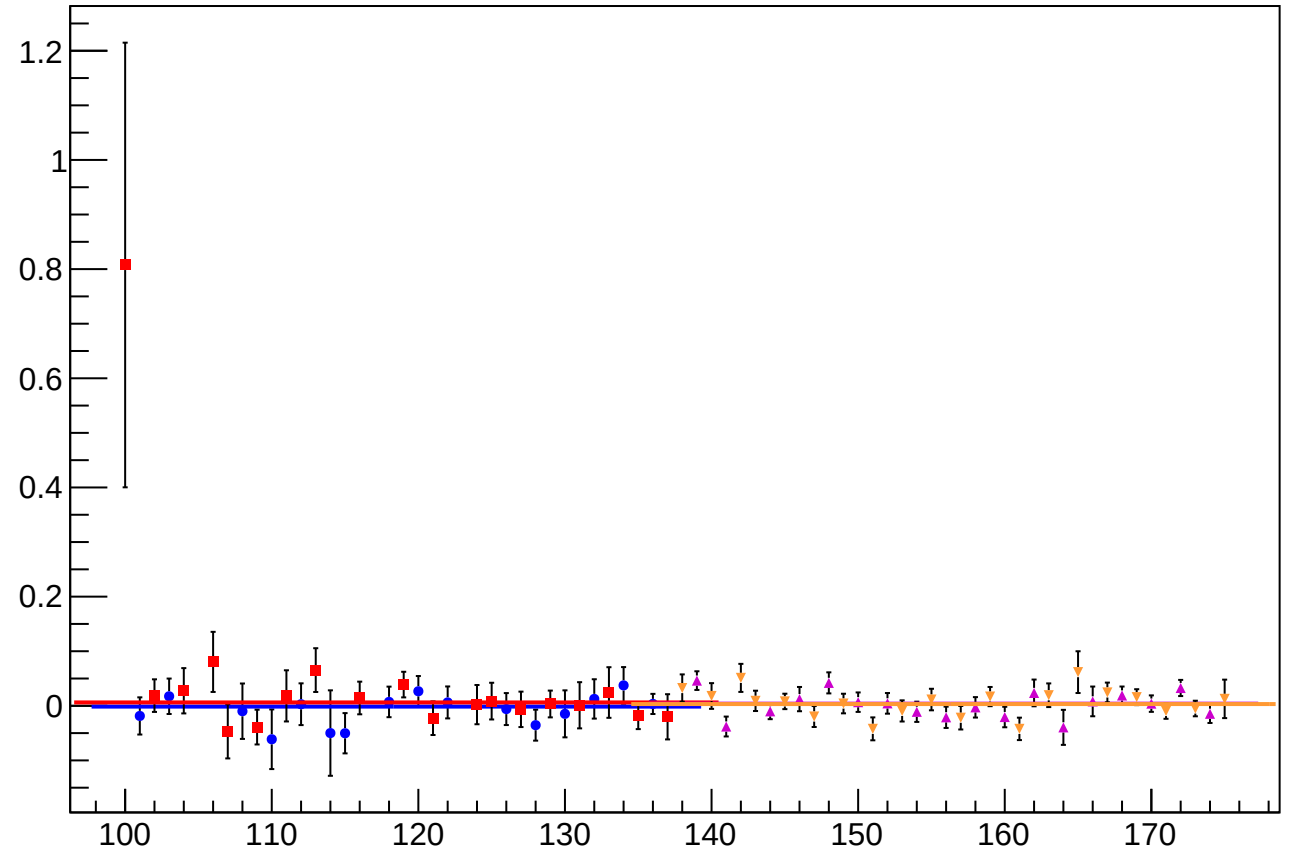
Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1108392.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 5380467.6/35

All: 0.000+/-0.000 χ^2/NDF: 10756451.5/72

- sign 0.000+/-0.000 χ^2/NDF: 5137503.6/36



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/19

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

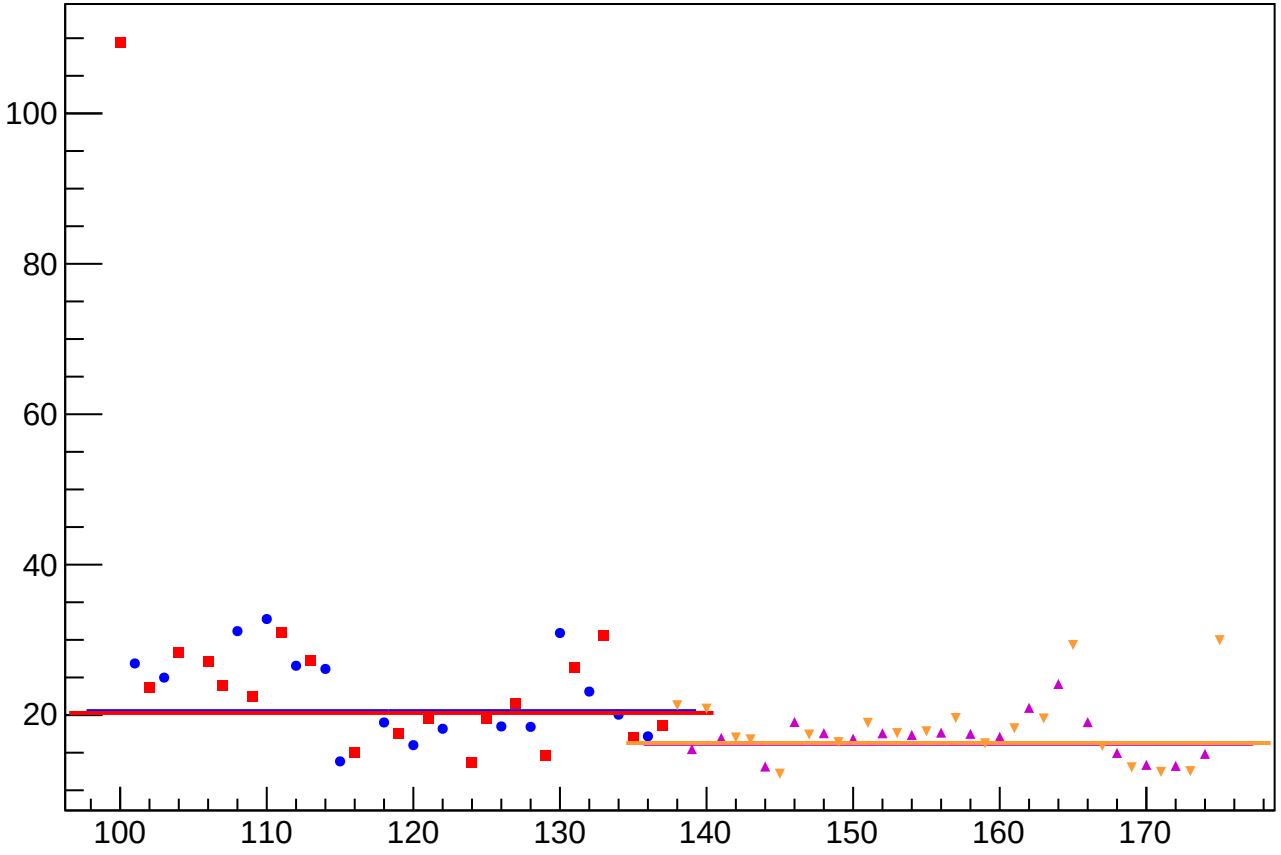
Left In: 0.004+/-0.004 χ^2/NDF:28.8/17

+ sign 0.002+/-0.004 χ^2/NDF: 33.8/35

All: 0.003+/-0.003 χ^2/NDF: 79.1/72

- sign 0.004+/-0.004 χ^2/NDF: 45.1/36

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.287+/-0.003 χ^2/NDF:1413137.4/19

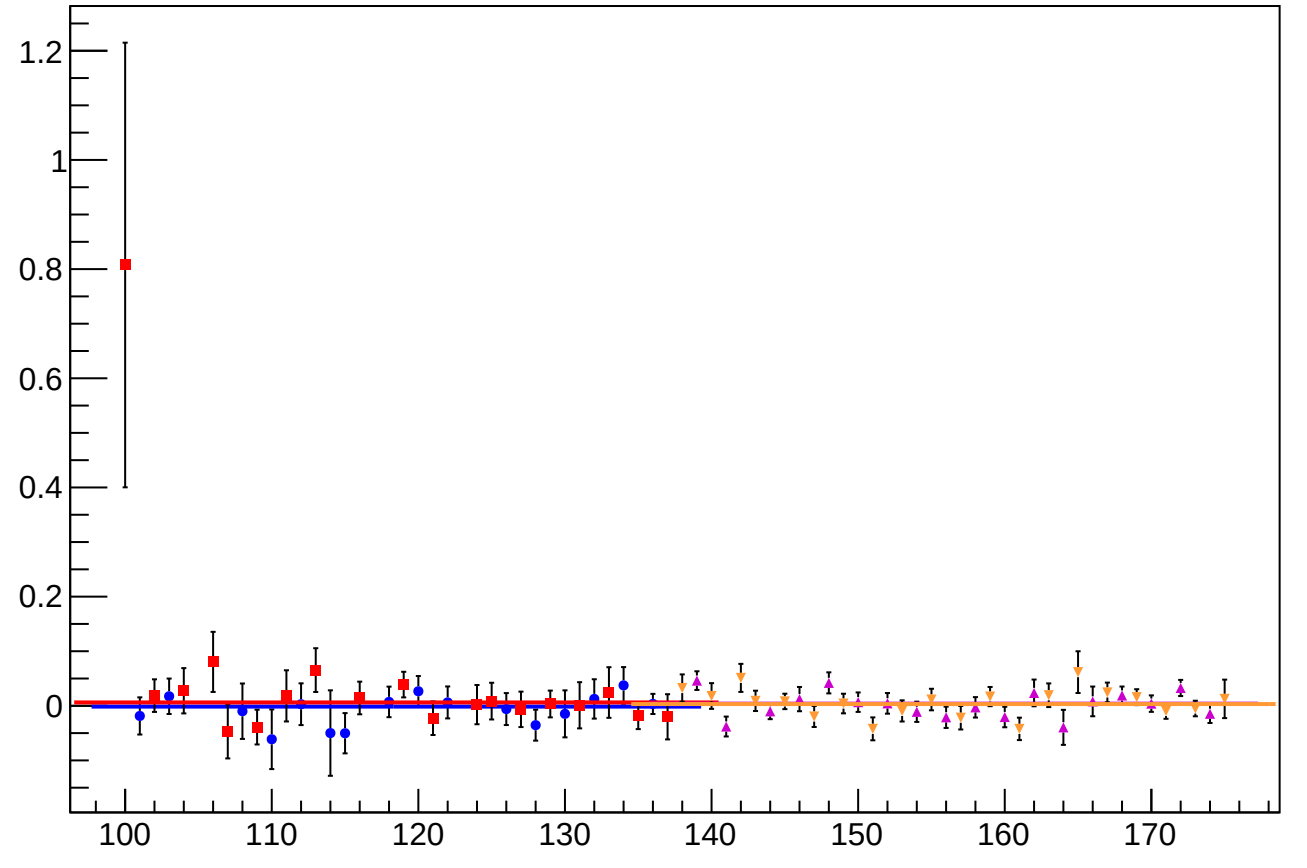
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.175+/-0.003 χ^2/NDF:580886.8/17

+ sign 17.211+/-0.003 χ^2/NDF: 2550652.2/35

All: 17.169+/-0.002 χ^2/NDF: 4413346.9/72

- sign 17.127+/-0.003 χ^2/NDF: 1862191.8/36



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/19

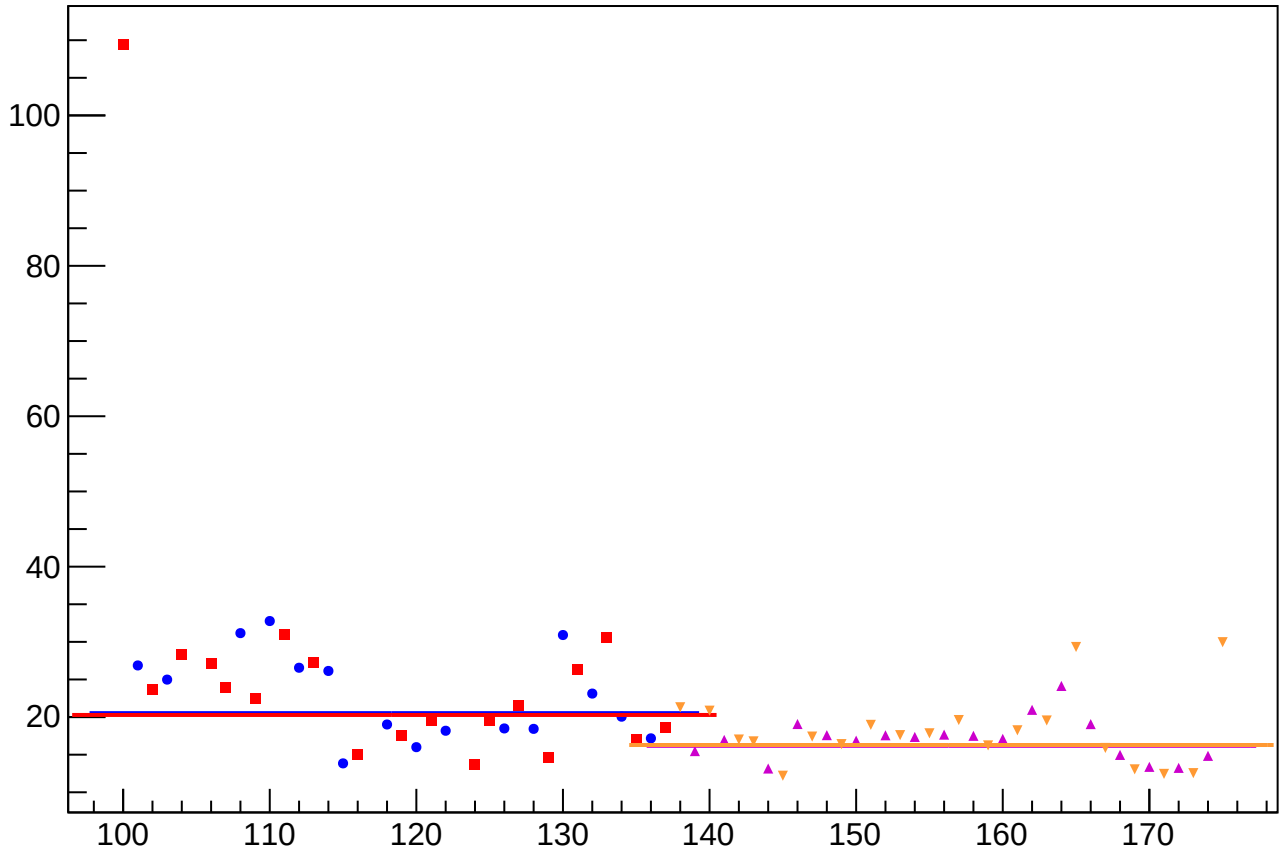
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.004+/-0.004 χ^2/NDF:28.8/17

+ sign 0.002+/-0.004 χ^2/NDF: 33.8/35

All: 0.003+/-0.003 χ^2/NDF: 79.1/72

- sign 0.004+/-0.004 χ^2/NDF: 45.1/36



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.287+/-0.003 χ^2/NDF:1413137.4/19

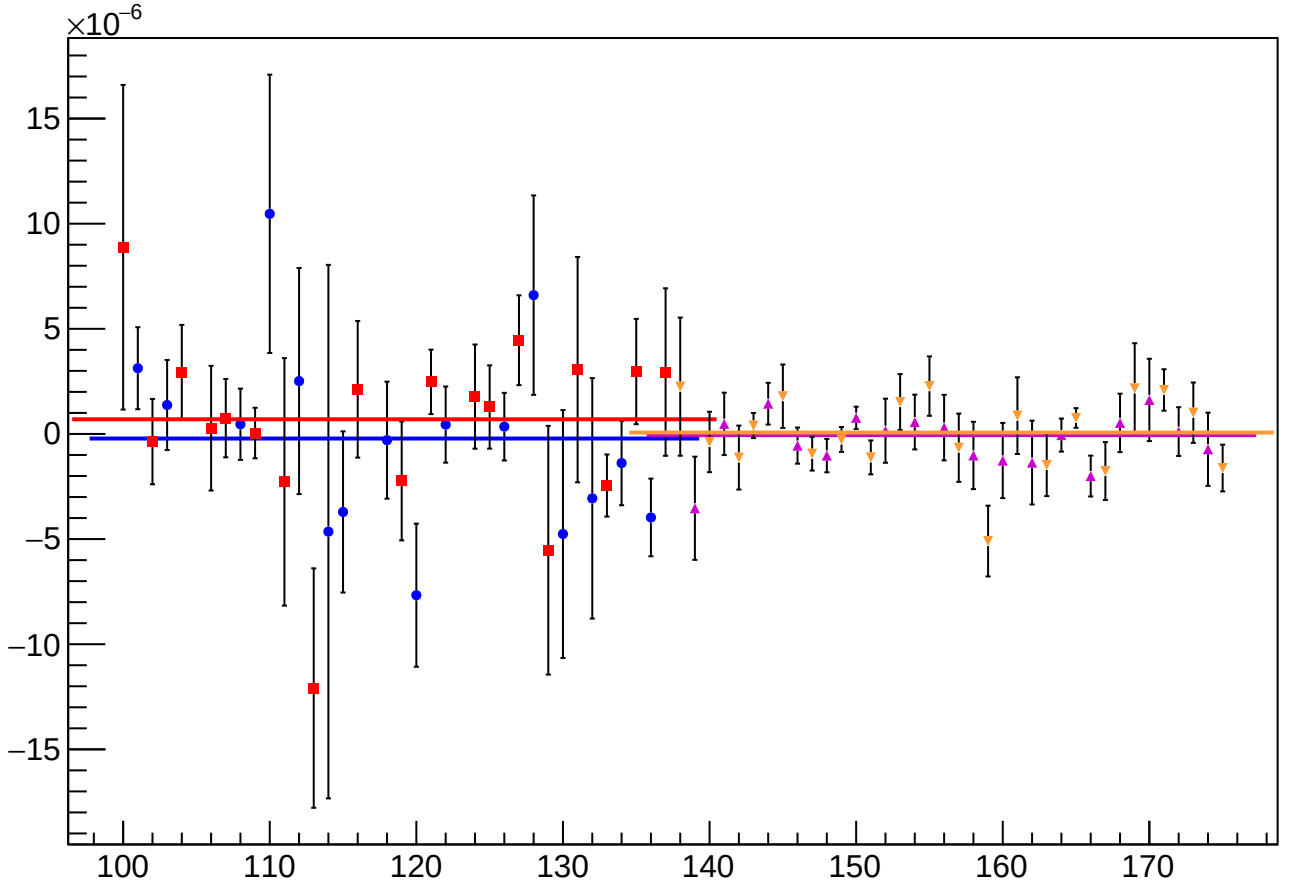
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.175+/-0.003 χ^2/NDF:580886.8/17

\+ sign 17.211+/-0.003 χ^2/NDF: 2550652.2/35

All: 17.169+/-0.002 χ^2/NDF: 4413346.9/72

\- sign 17.127+/-0.003 χ^2/NDF: 1862191.8/36



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/19

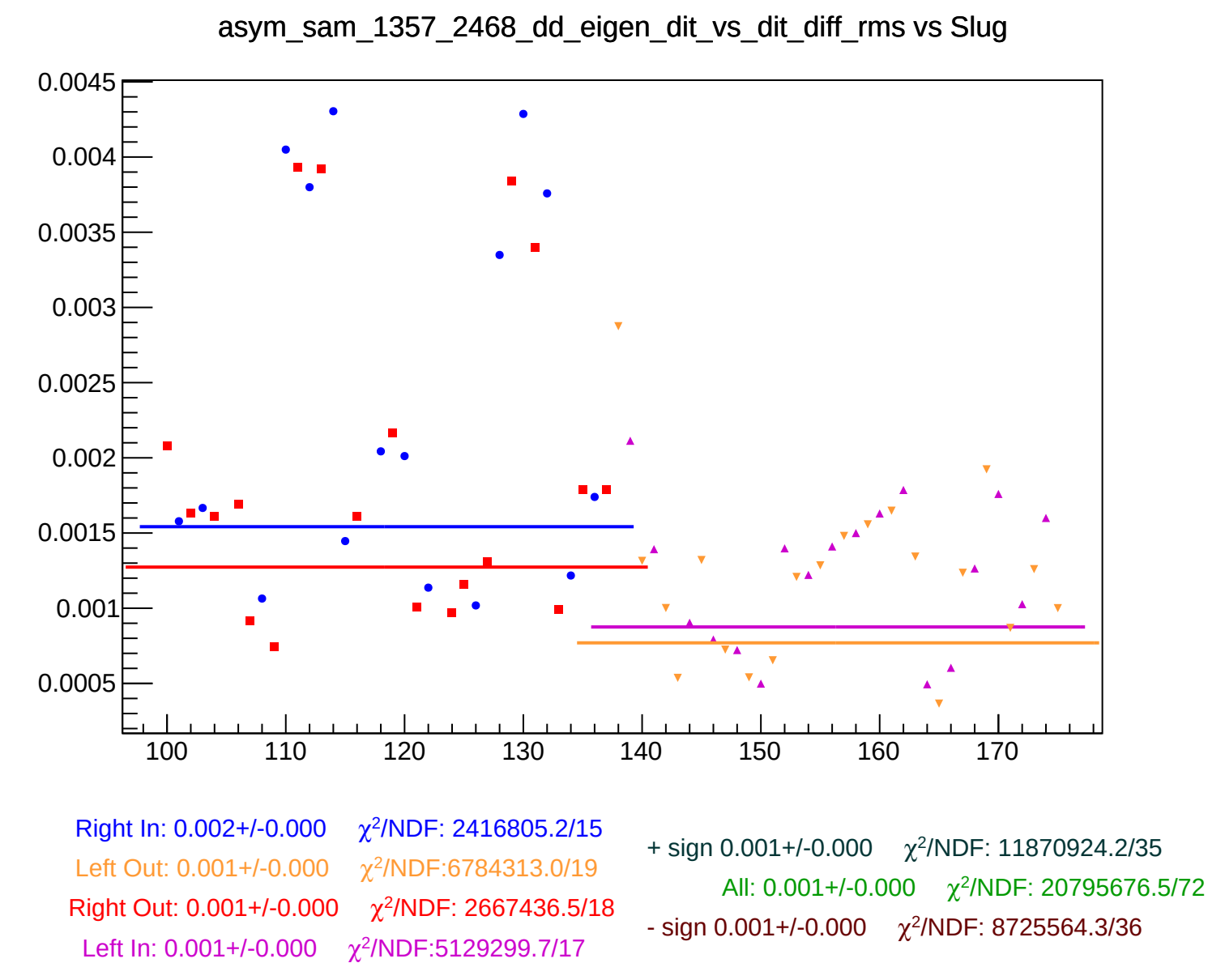
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

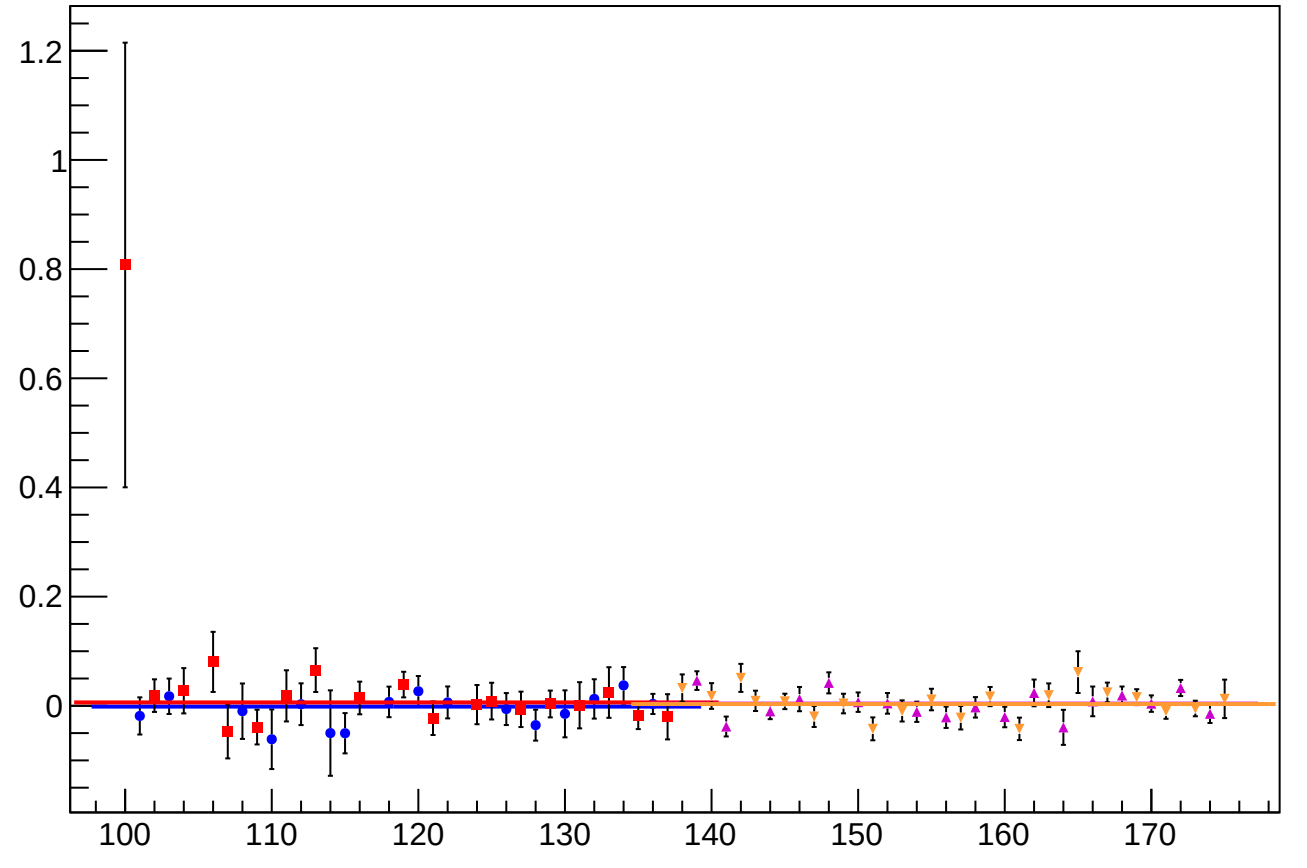
Left In: -0.000+/-0.000 χ^2/NDF:15.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 53.3/35

All: 0.000+/-0.000 χ^2/NDF: 91.3/72

- sign 0.000+/-0.000 χ^2/NDF: 38.0/36


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:6784313.0/19
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:5129299.7/17
+ sign 0.001+/-0.000 χ²/NDF: 11870924.2/35
All: 0.001+/-0.000 χ²/NDF: 20795676.5/72
- sign 0.001+/-0.000 χ²/NDF: 8725564.3/36



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/19

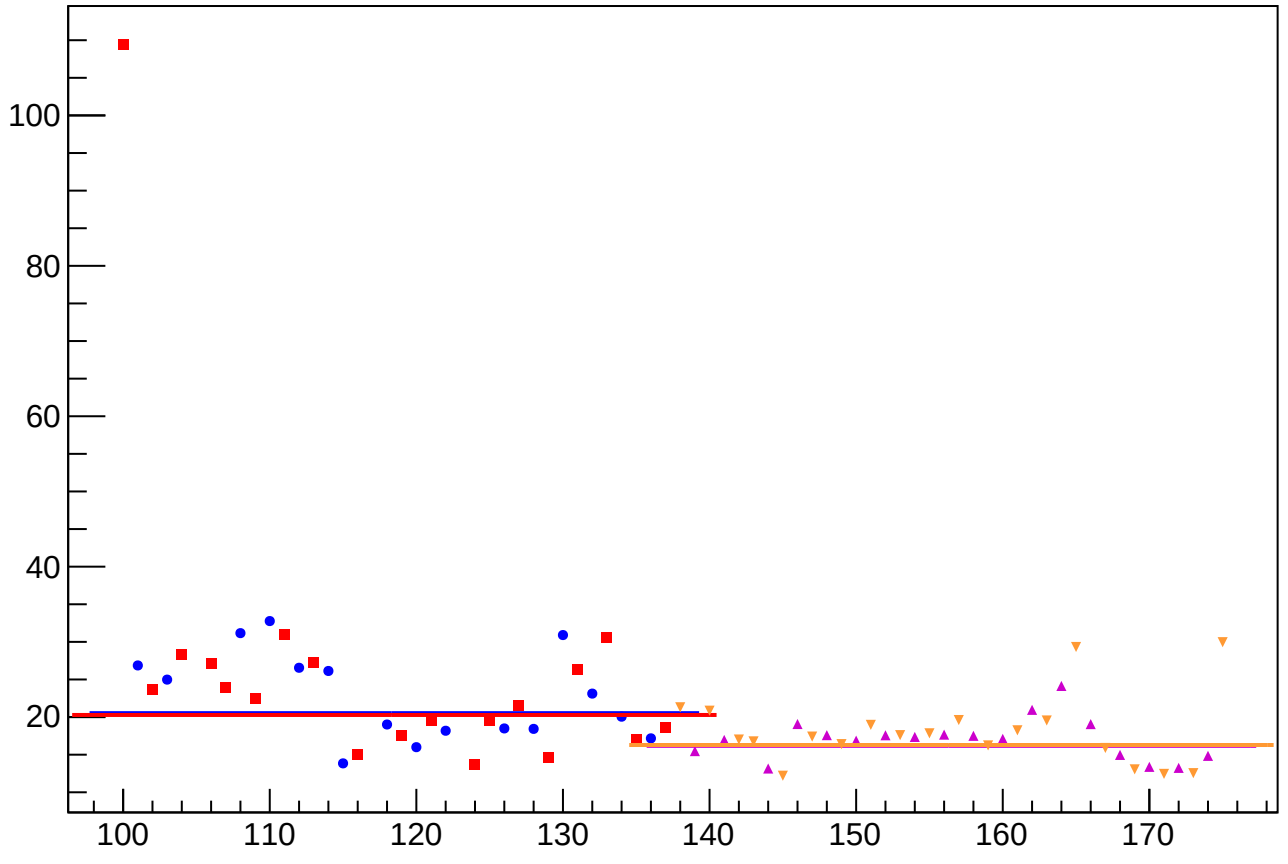
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.004+/-0.004 χ^2/NDF:28.8/17

+ sign 0.002+/-0.004 χ^2/NDF: 33.8/35

All: 0.003+/-0.003 χ^2/NDF: 79.1/72

- sign 0.004+/-0.004 χ^2/NDF: 45.1/36



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.287+/-0.003 χ^2/NDF:1413095.8/19

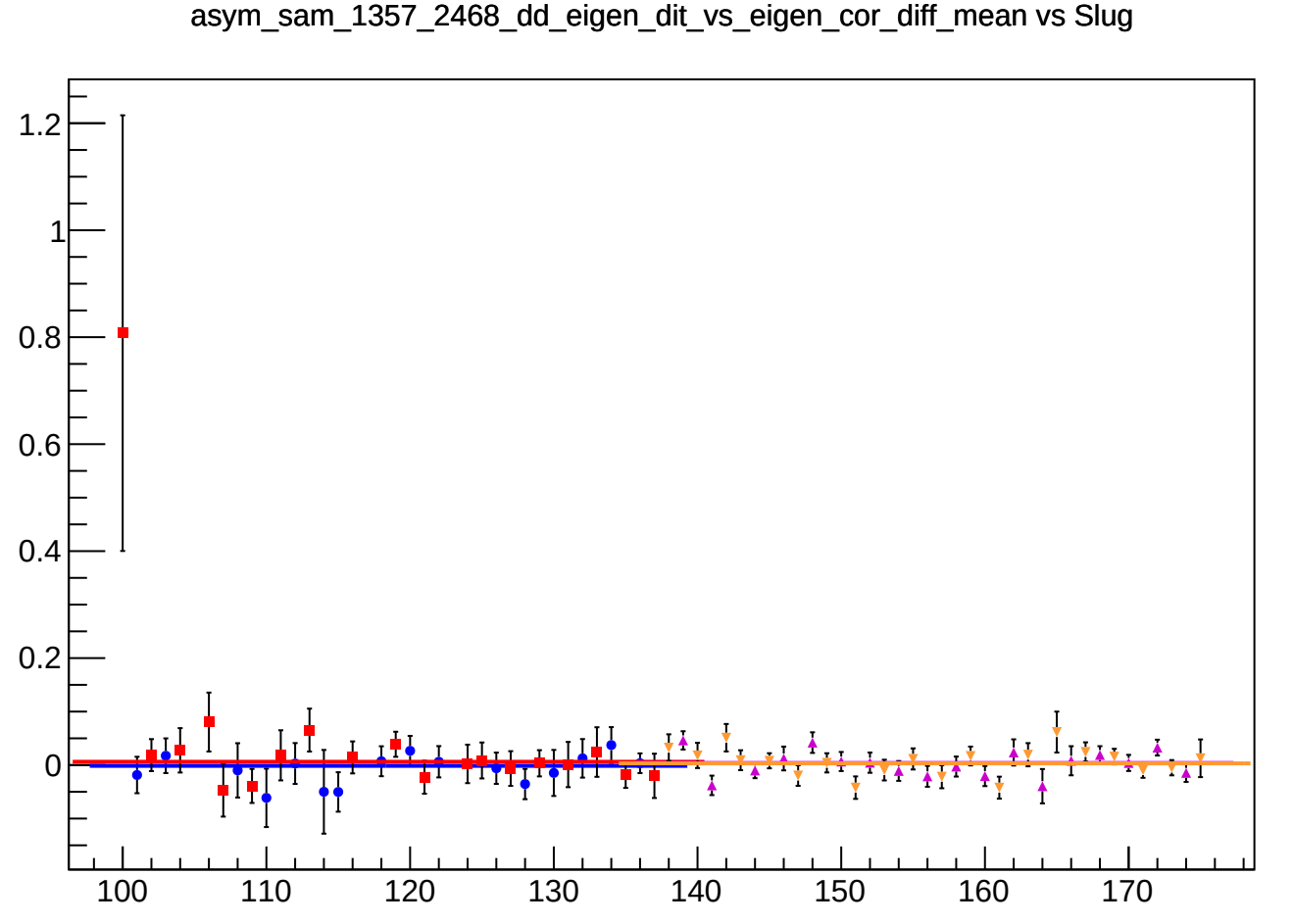
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.175+/-0.003 χ^2/NDF:580900.5/17

\+ sign 17.211+/-0.003 χ^2/NDF: 2550353.7/35

All: 17.169+/-0.002 χ^2/NDF: 4412923.6/72

\- sign 17.127+/-0.003 χ^2/NDF: 1862065.9/36



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/19

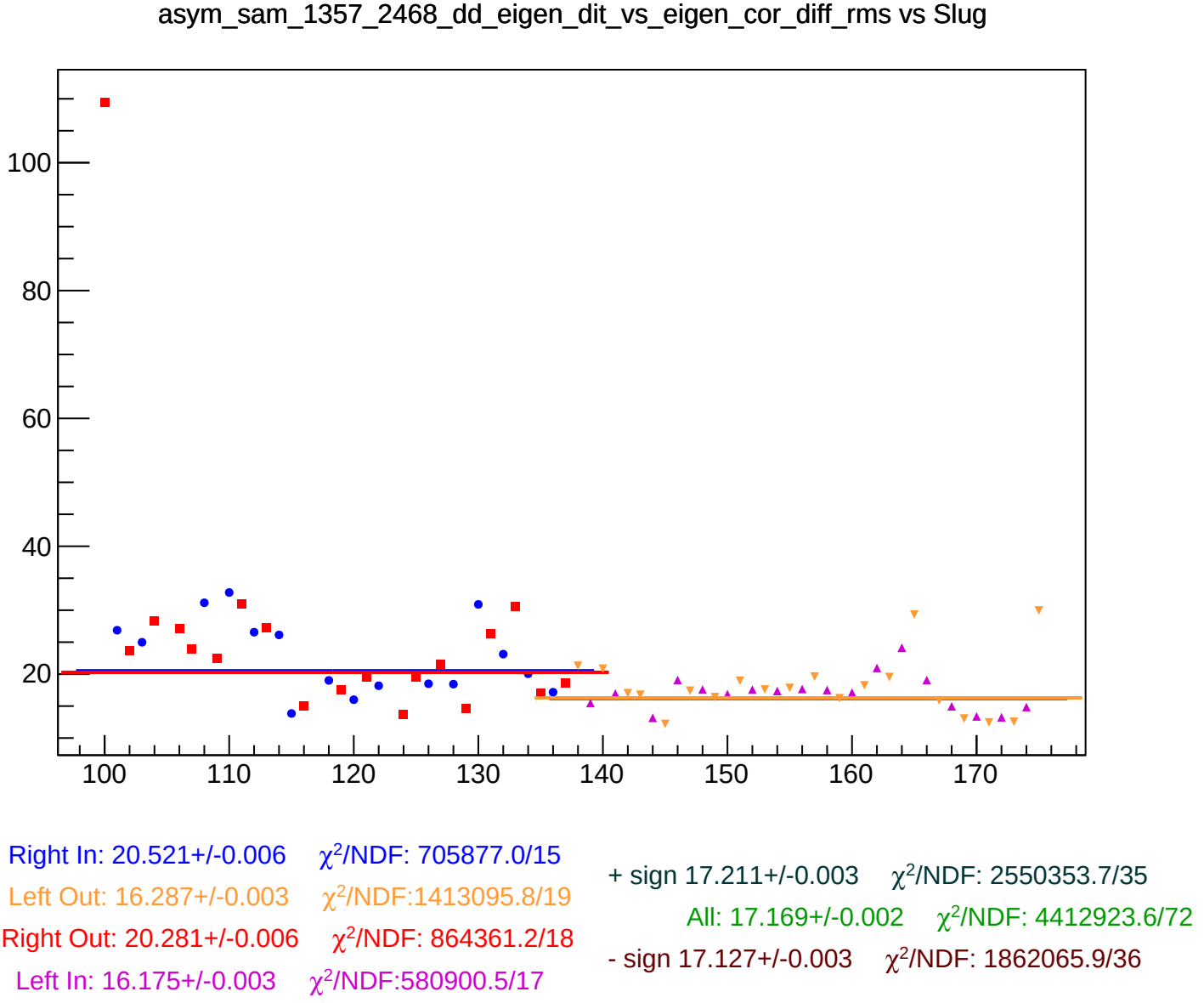
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

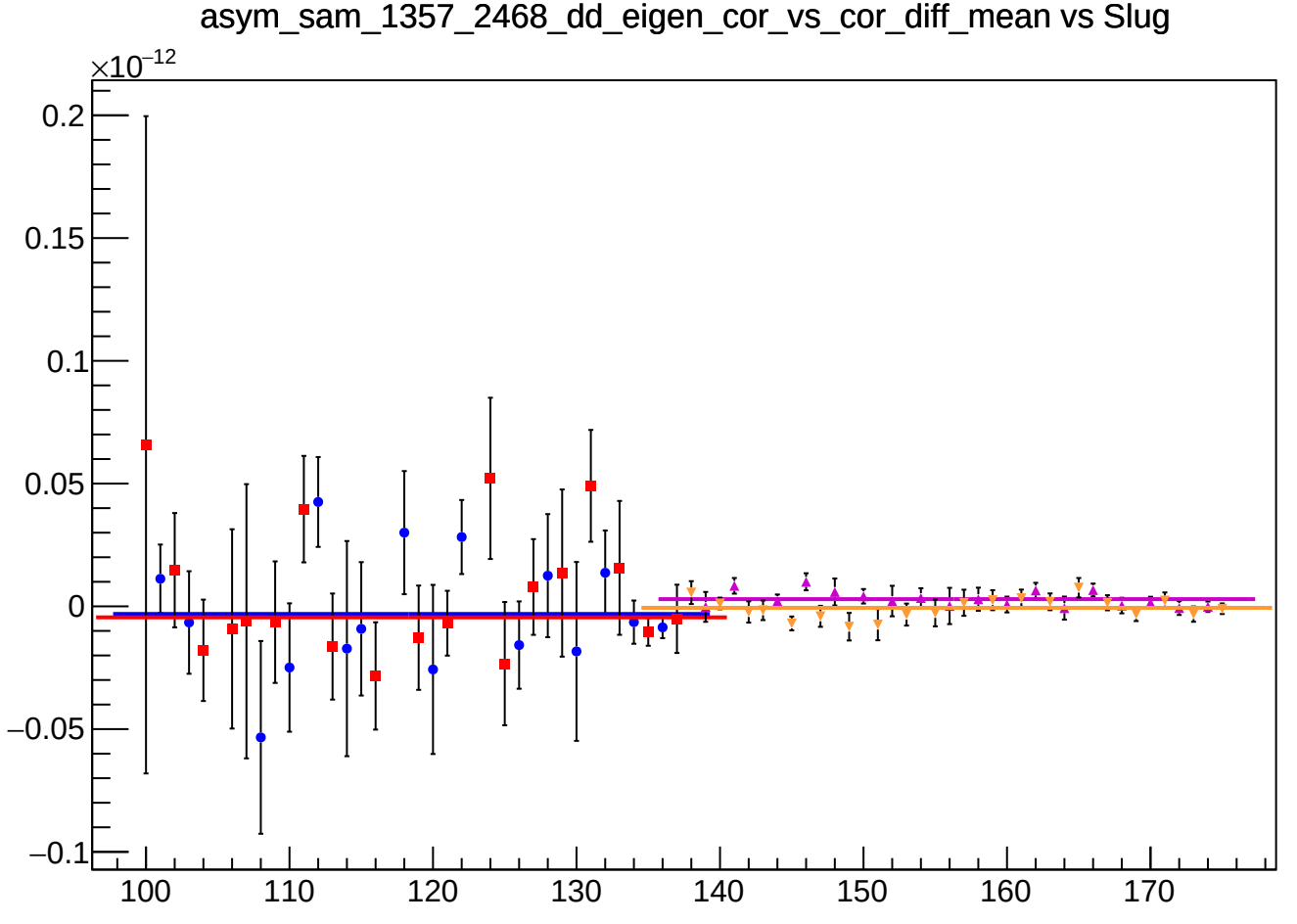
Left In: 0.004+/-0.004 χ^2/NDF:28.8/17

+ sign 0.002+/-0.004 χ^2/NDF: 33.8/35

All: 0.003+/-0.003 χ^2/NDF: 79.1/72

- sign 0.004+/-0.004 χ^2/NDF: 45.1/36


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
80
60
40
20
100
110
120
130
140
150
160
170
Right In: 20.521+/-0.006 χ²/NDF: 705877.0/15
Left Out: 16.287+/-0.003 χ²/NDF:1413095.8/19
Right Out: 20.281+/-0.006 χ²/NDF: 864361.2/18
Left In: 16.175+/-0.003 χ²/NDF:580900.5/17
+ sign 17.211+/-0.003 χ²/NDF: 2550353.7/35
All: 17.169+/-0.002 χ²/NDF: 4412923.6/72
- sign 17.127+/-0.003 χ²/NDF: 1862065.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/19

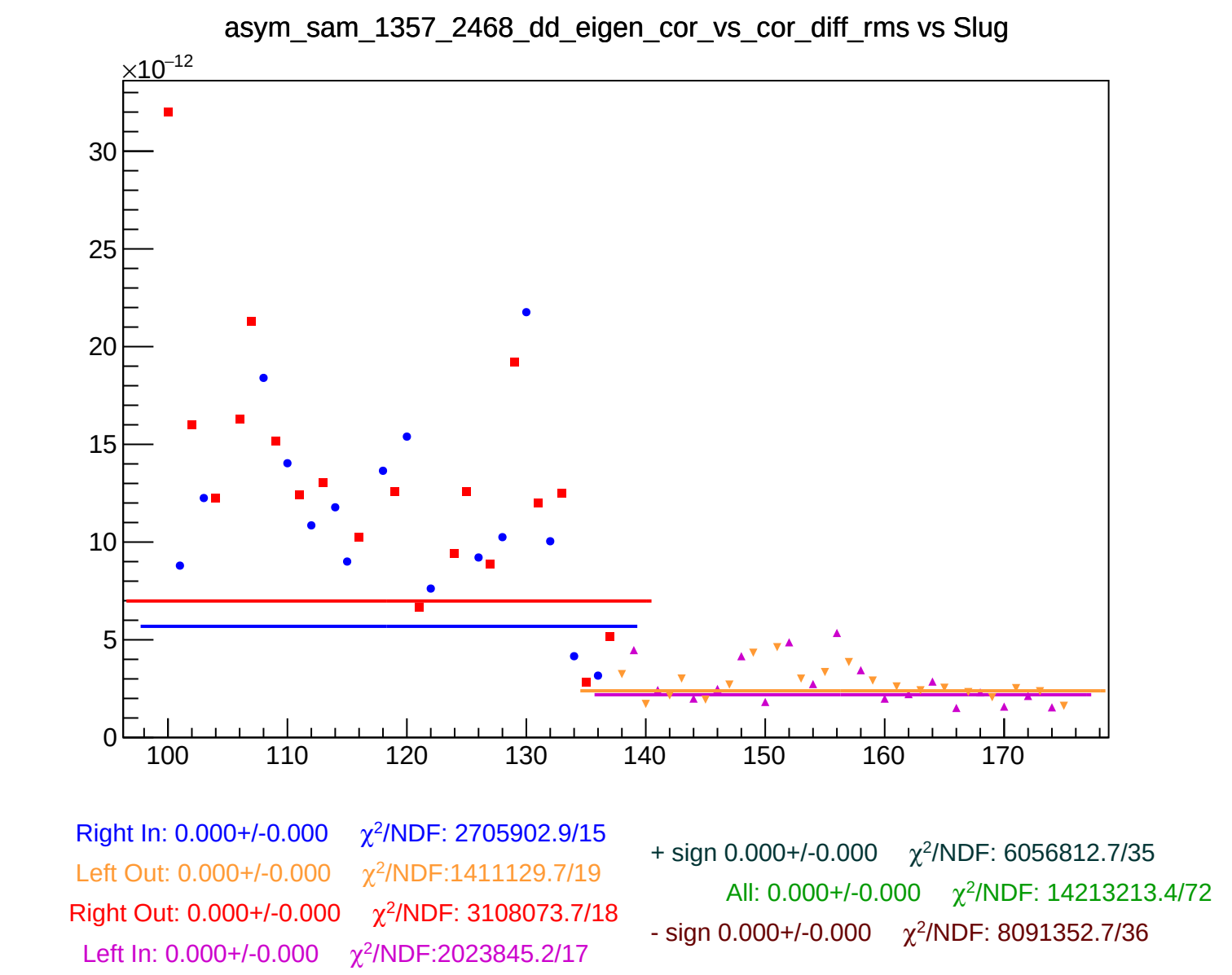
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:17.1/17

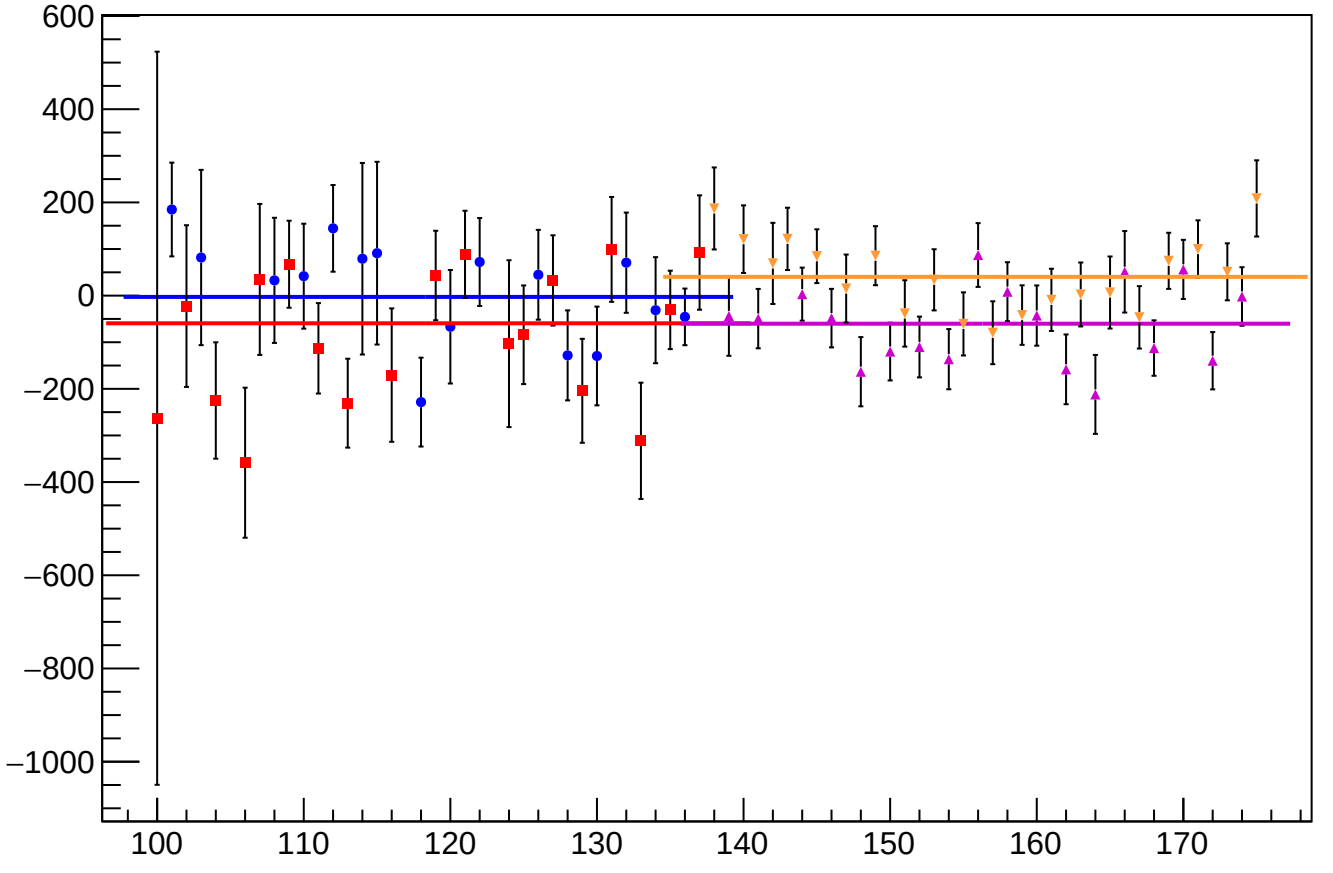
+ sign -0.000+/-0.000 χ^2/NDF: 41.9/35

All: 0.000+/-0.000 χ^2/NDF: 91.0/72

- sign 0.000+/-0.000 χ^2/NDF: 39.3/36


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1411129.7/19
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:2023845.2/17
+ sign 0.000+/-0.000 χ²/NDF: 6056812.7/35
All: 0.000+/-0.000 χ²/NDF: 14213213.4/72
- sign 0.000+/-0.000 χ²/NDF: 8091352.7/36

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 40.277+/-15.235 χ^2/NDF:23.3/19

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

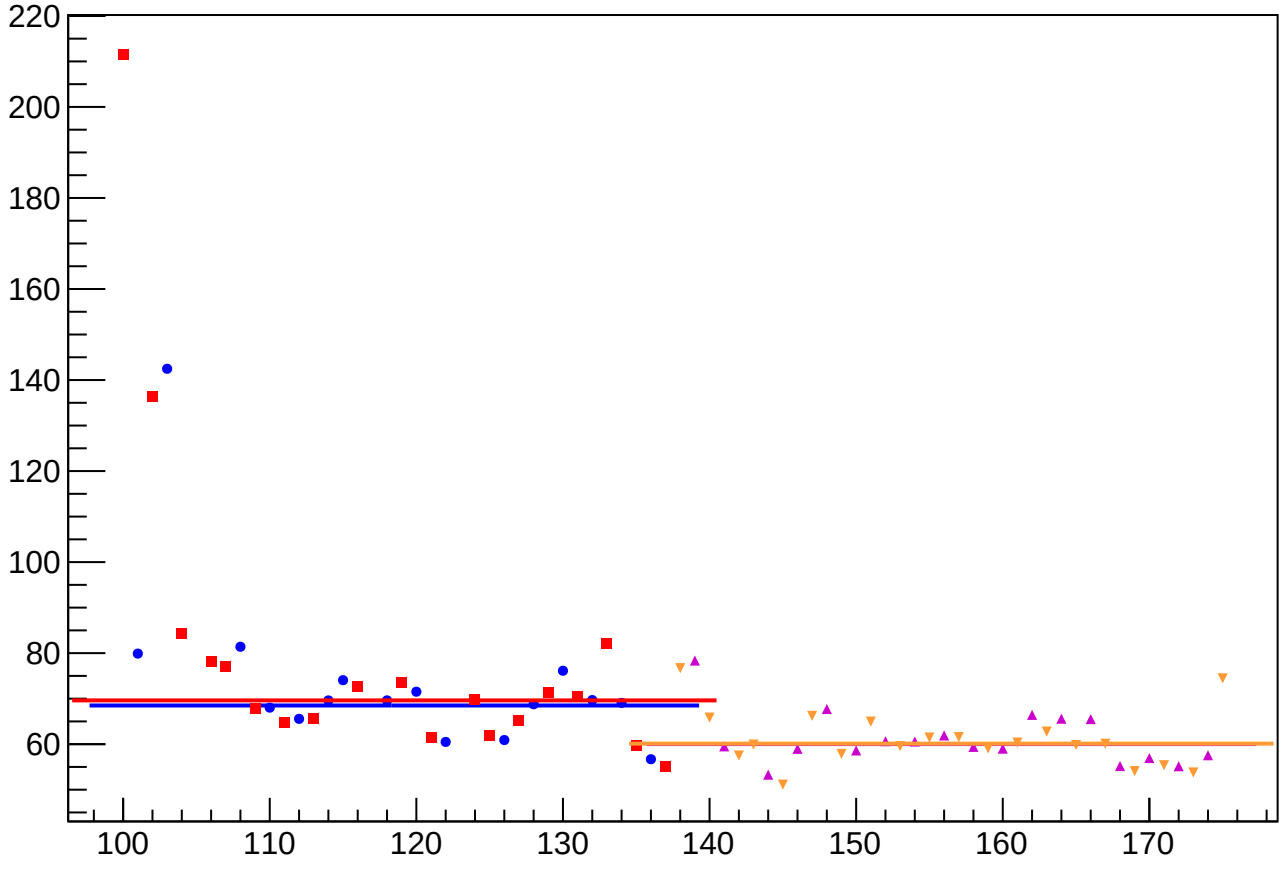
Left In: -60.237+/-15.690 χ^2/NDF:25.3/17

+ sign 29.409+/-13.172 χ^2/NDF: 43.1/35

All: -14.248+/-9.423 χ^2/NDF: 116.5/72

- sign -60.005+/-13.485 χ^2/NDF: 51.0/36

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.118+/-0.011 χ^2/NDF:280119.6/19

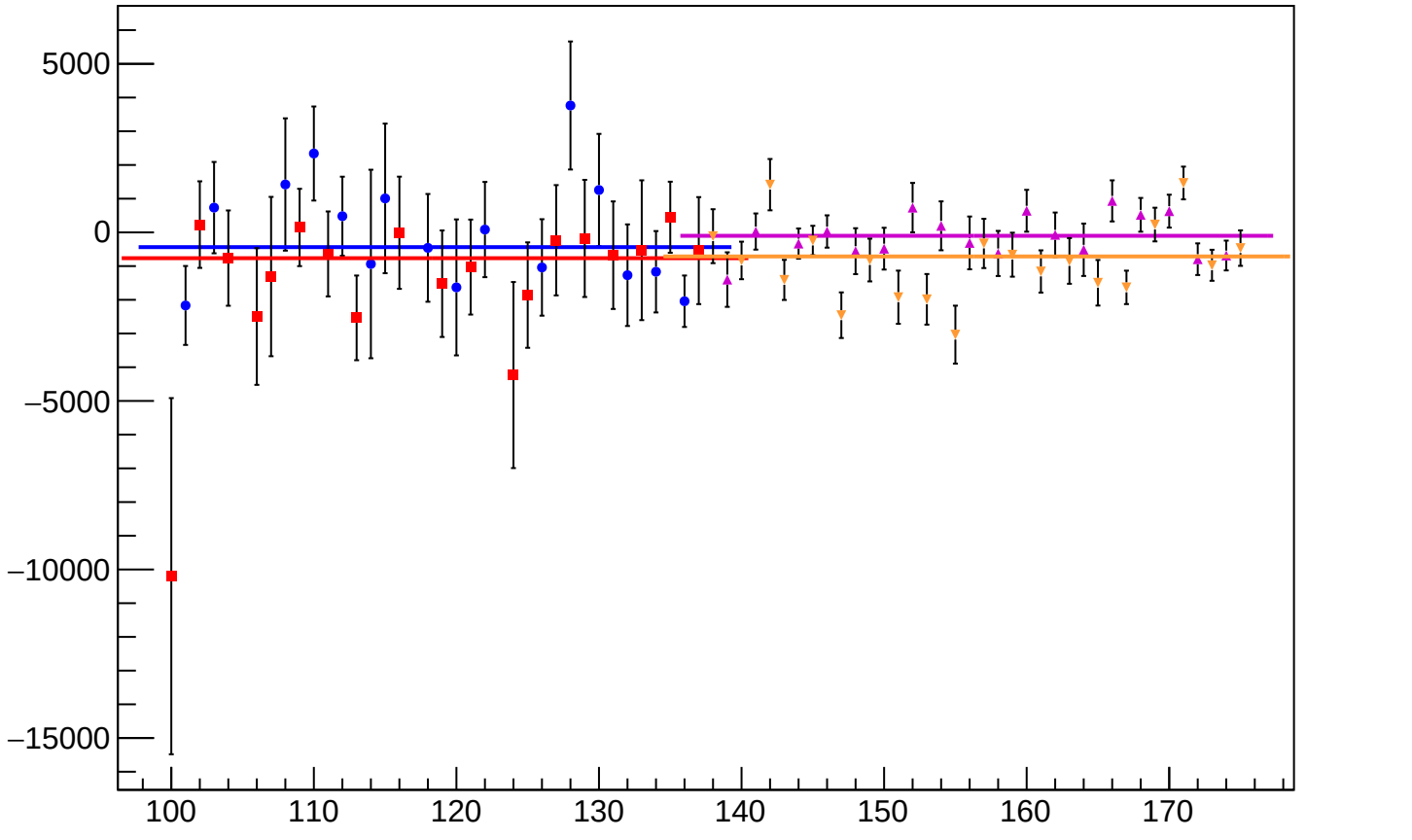
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.021+/-0.011 χ^2/NDF:210645.7/17

+ sign 62.234+/-0.009 χ^2/NDF: 904813.1/35

All: 62.378+/-0.007 χ^2/NDF: 1831926.4/72

- sign 62.529+/-0.010 χ^2/NDF: 926623.2/36



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -713.433+/-133.889 χ^2/NDF:60.0/19

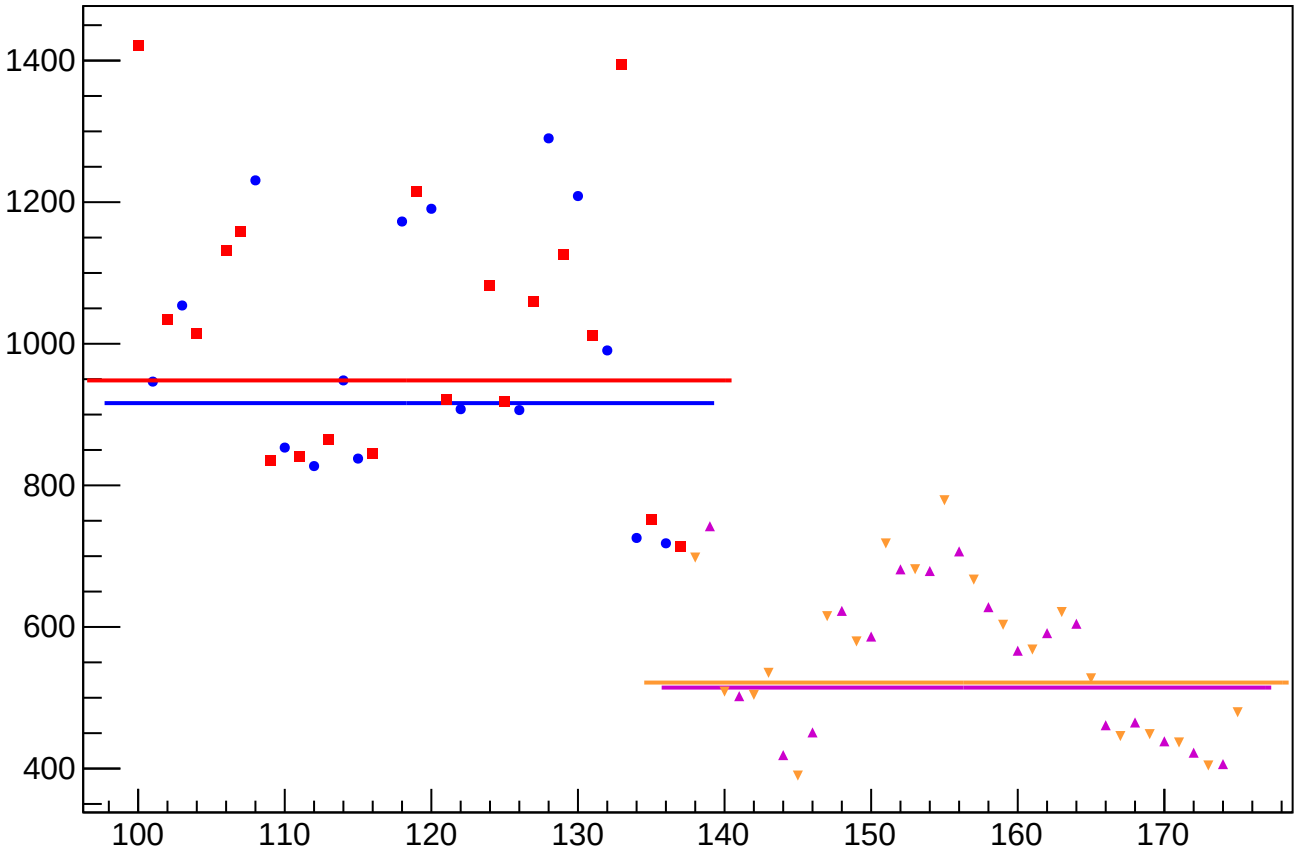
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -101.212+/-136.328 χ^2/NDF:18.3/17

\+ sign -678.003+/-125.000 χ^2/NDF: 81.1/35

All: -436.928+/-89.148 χ^2/NDF: 121.4/72

\- sign -187.387+/-127.176 χ^2/NDF: 32.7/36



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 521.470+/-0.095 χ^2/NDF:1188683.9/19

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

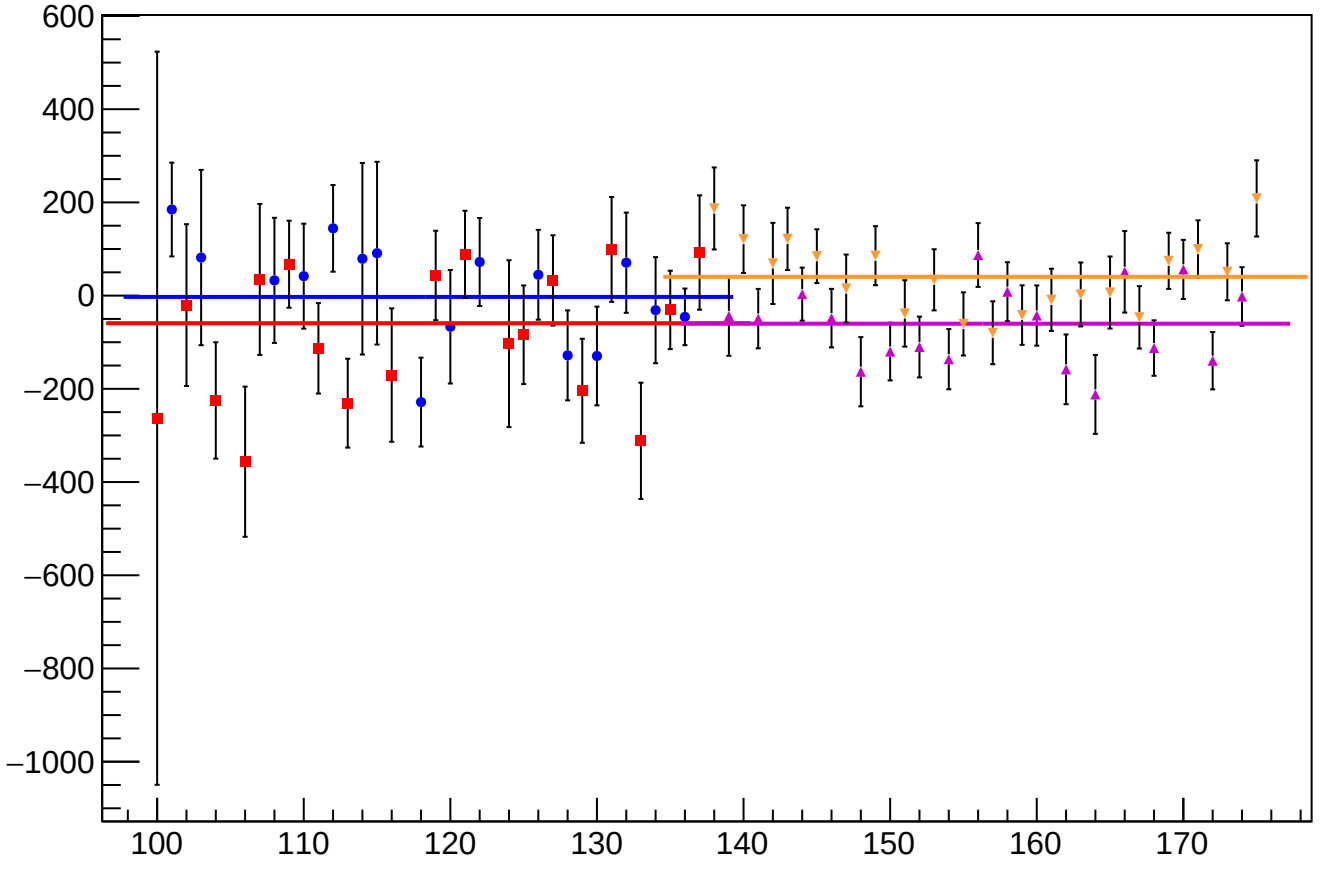
Left In: 514.368+/-0.096 χ^2/NDF:1095405.5/17

+ sign 572.139+/-0.088 χ^2/NDF: 3929044.1/35

All: 571.415+/-0.063 χ^2/NDF: 8068269.9/72

- sign 570.665+/-0.090 χ^2/NDF: 4139089.4/36

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 40.279+/-15.235 χ^2/NDF:23.4/19

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

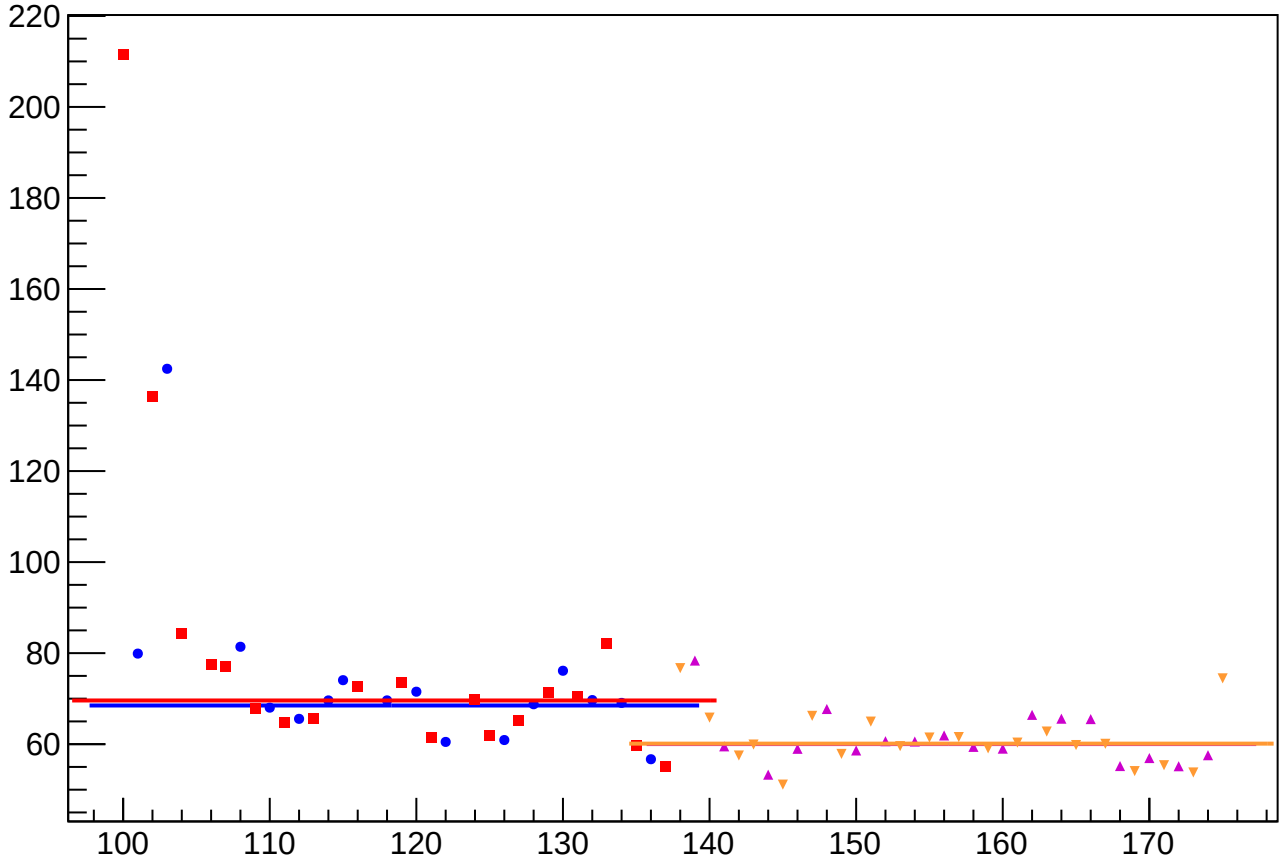
Left In: -60.235+/-15.690 χ^2/NDF:25.3/17

+ sign 29.409+/-13.172 χ^2/NDF: 43.1/35

All: -14.231+/-9.423 χ^2/NDF: 116.5/72

- sign -59.972+/-13.485 χ^2/NDF: 50.9/36

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.118+/-0.011 χ^2/NDF:280119.6/19

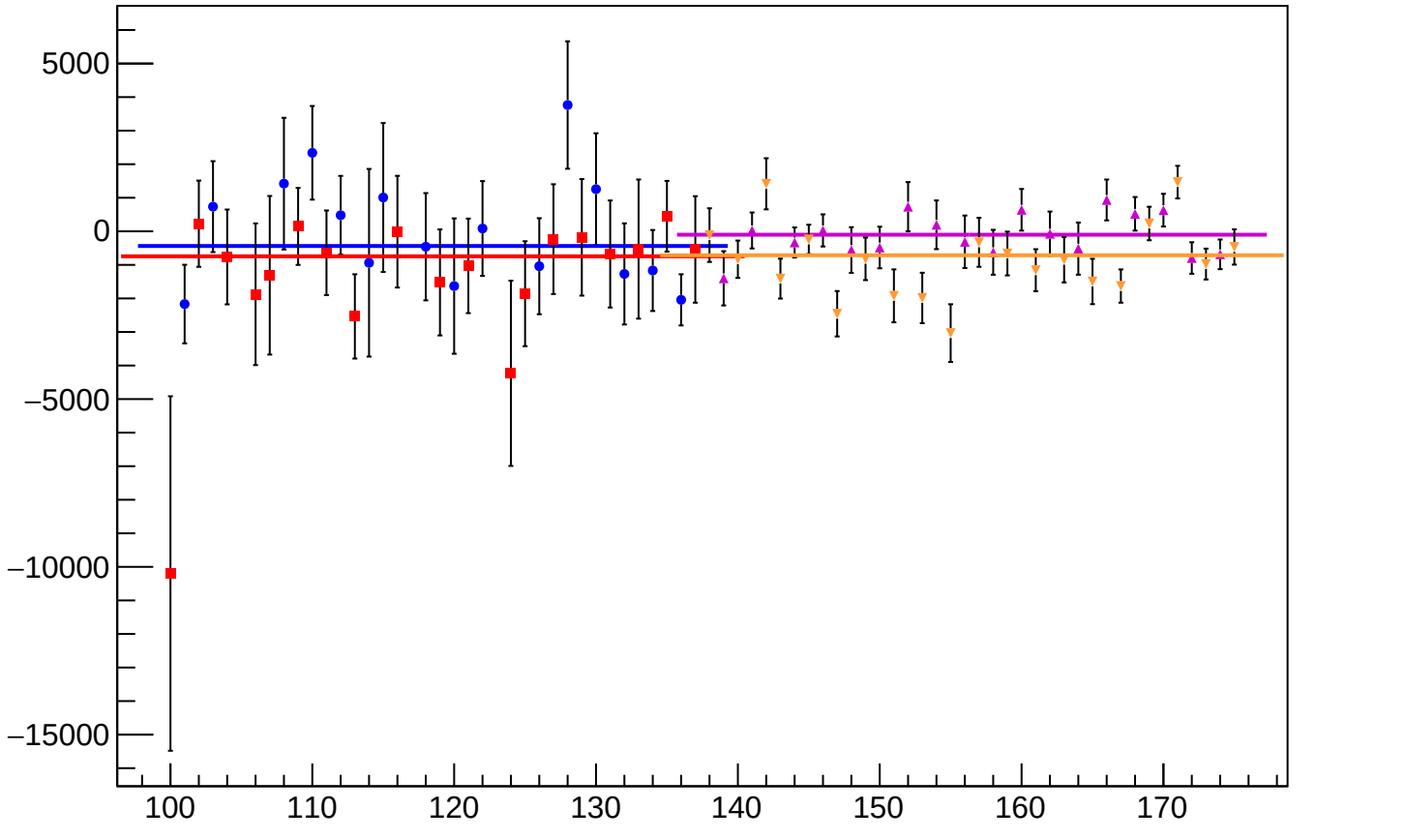
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.021+/-0.011 χ^2/NDF:210645.7/17

+ sign 62.234+/-0.009 χ^2/NDF: 904816.1/35

All: 62.375+/-0.007 χ^2/NDF: 1830501.8/72

- sign 62.524+/-0.010 χ^2/NDF: 925212.7/36



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -713.429+/-133.889 χ^2/NDF:60.0/19

Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

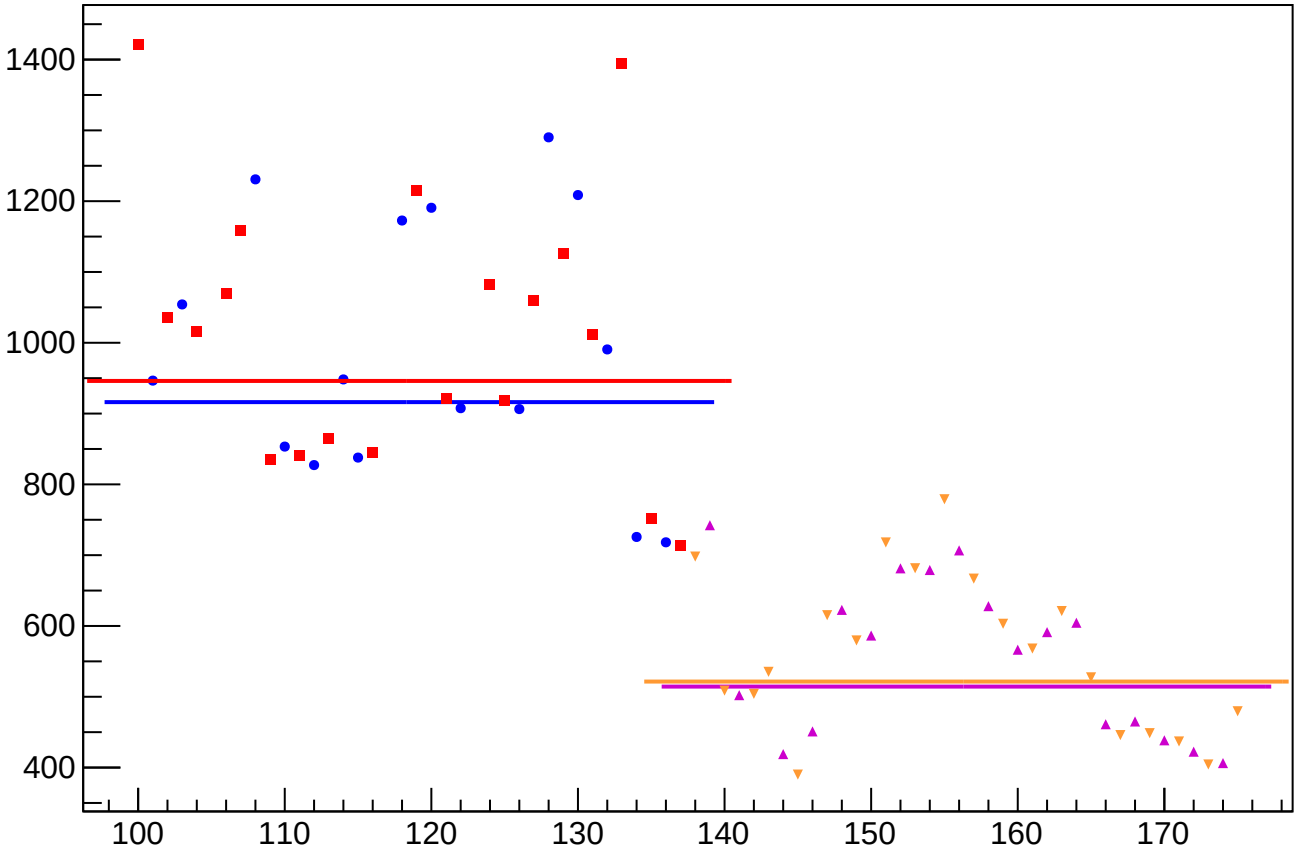
Left In: -101.213+/-136.328 χ^2/NDF:18.3/17

+ sign -677.997+/-125.000 χ^2/NDF: 81.1/35

All: -435.541+/-89.155 χ^2/NDF: 120.8/72

- sign -184.490+/-127.196 χ^2/NDF: 32.0/36

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 521.470+/-0.095 χ^2/NDF:1188687.8/19

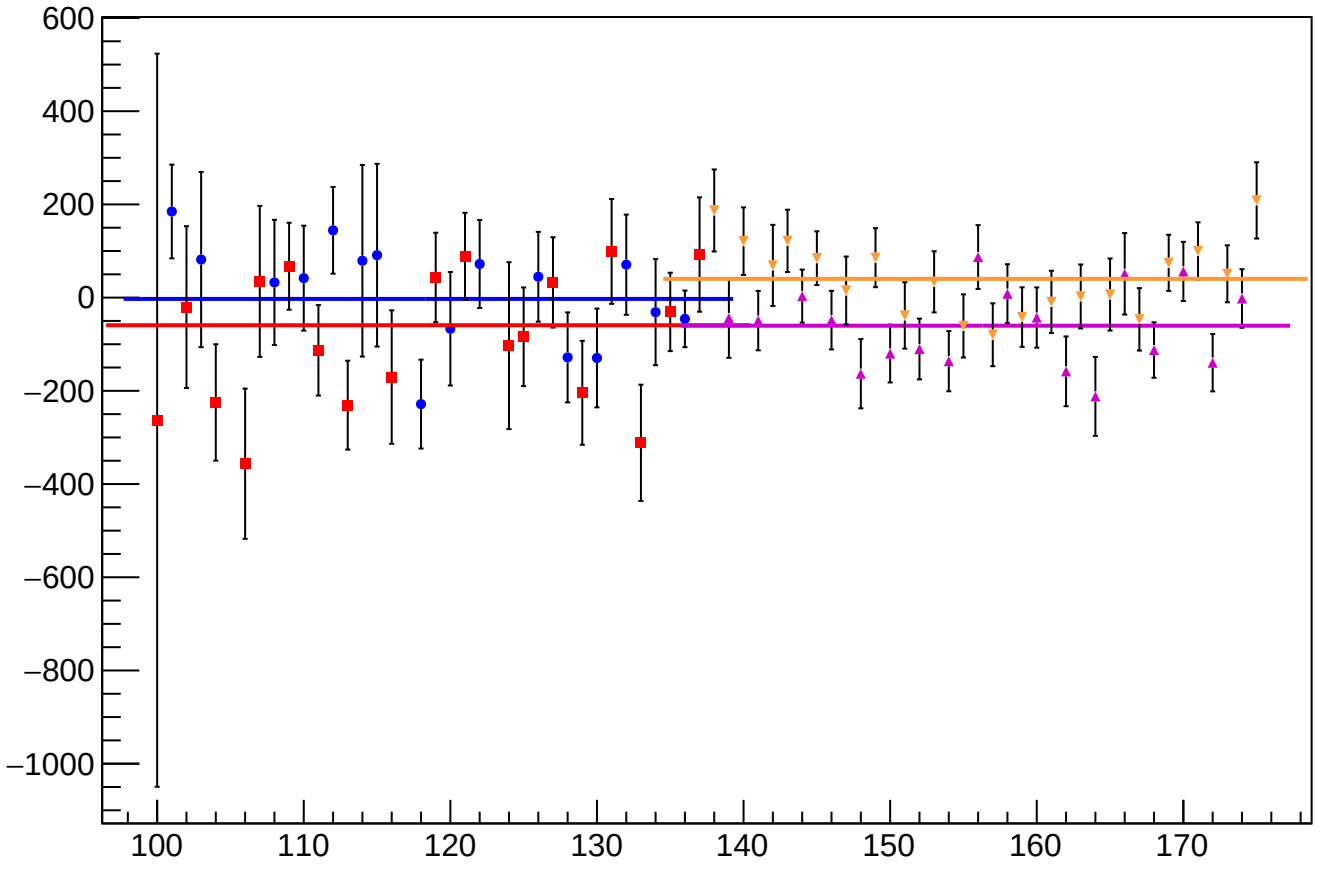
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 514.368+/-0.096 χ^2/NDF:1095404.6/17

+ sign 572.138+/-0.088 χ^2/NDF: 3929096.9/35

All: 571.219+/-0.063 χ^2/NDF: 8027141.5/72

- sign 570.267+/-0.090 χ^2/NDF: 4097824.5/36



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 40.279+/-15.235 χ^2/NDF:23.4/19

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

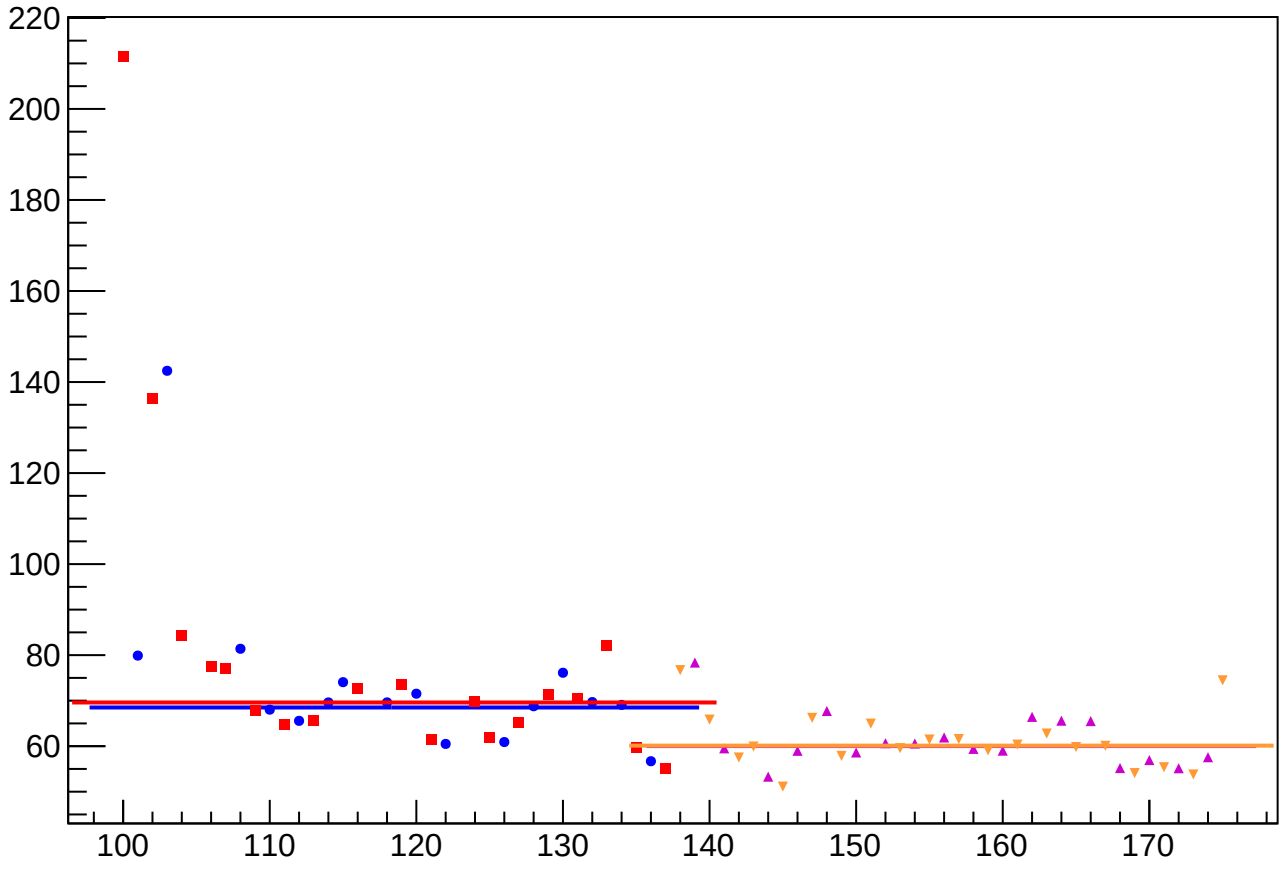
Left In: -60.235+/-15.690 χ^2/NDF:25.3/17

+ sign 29.409+/-13.172 χ^2/NDF: 43.1/35

All: -14.231+/-9.423 χ^2/NDF: 116.5/72

- sign -59.972+/-13.485 χ^2/NDF: 50.9/36

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.118+/-0.011 χ^2/NDF:280119.6/19

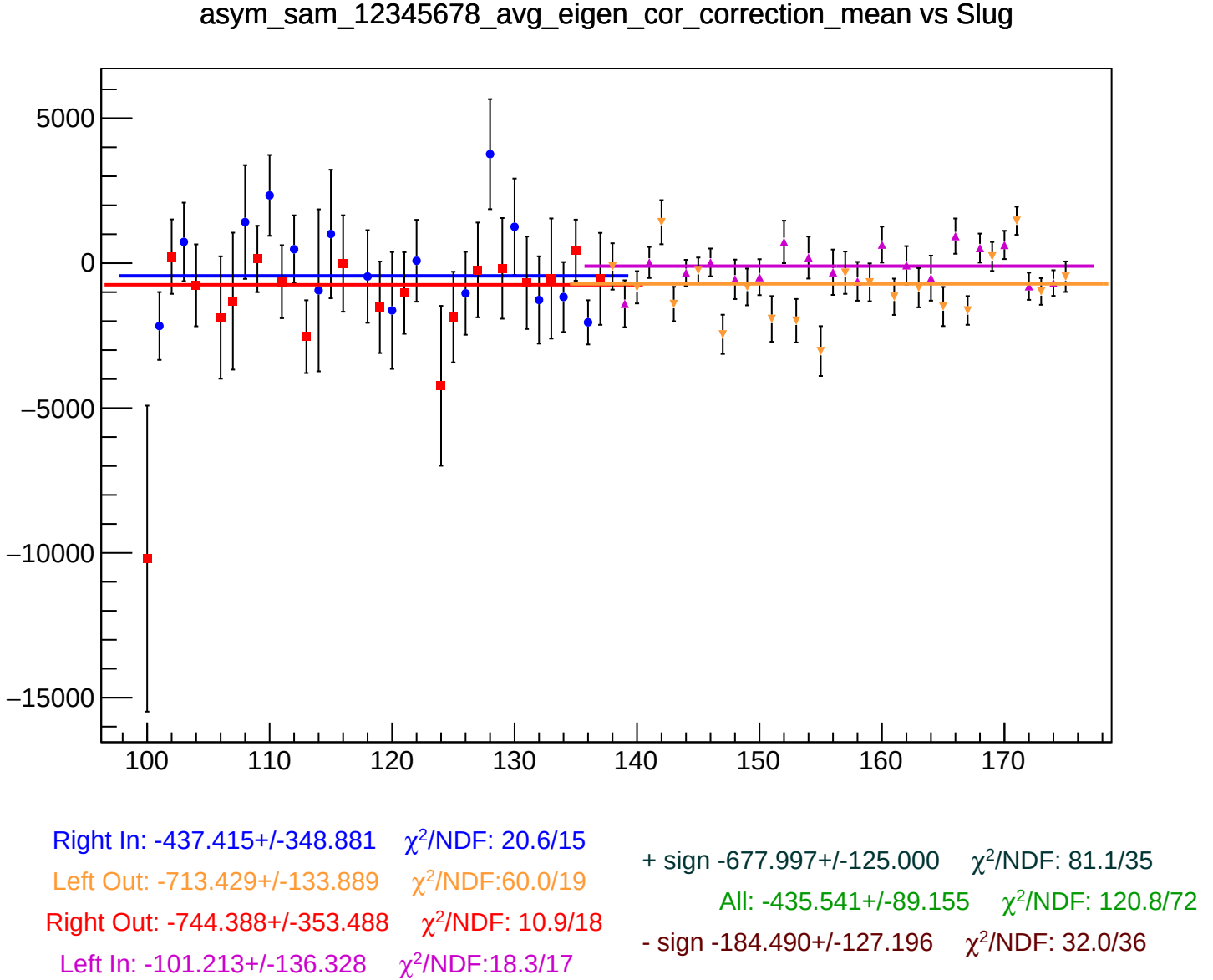
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

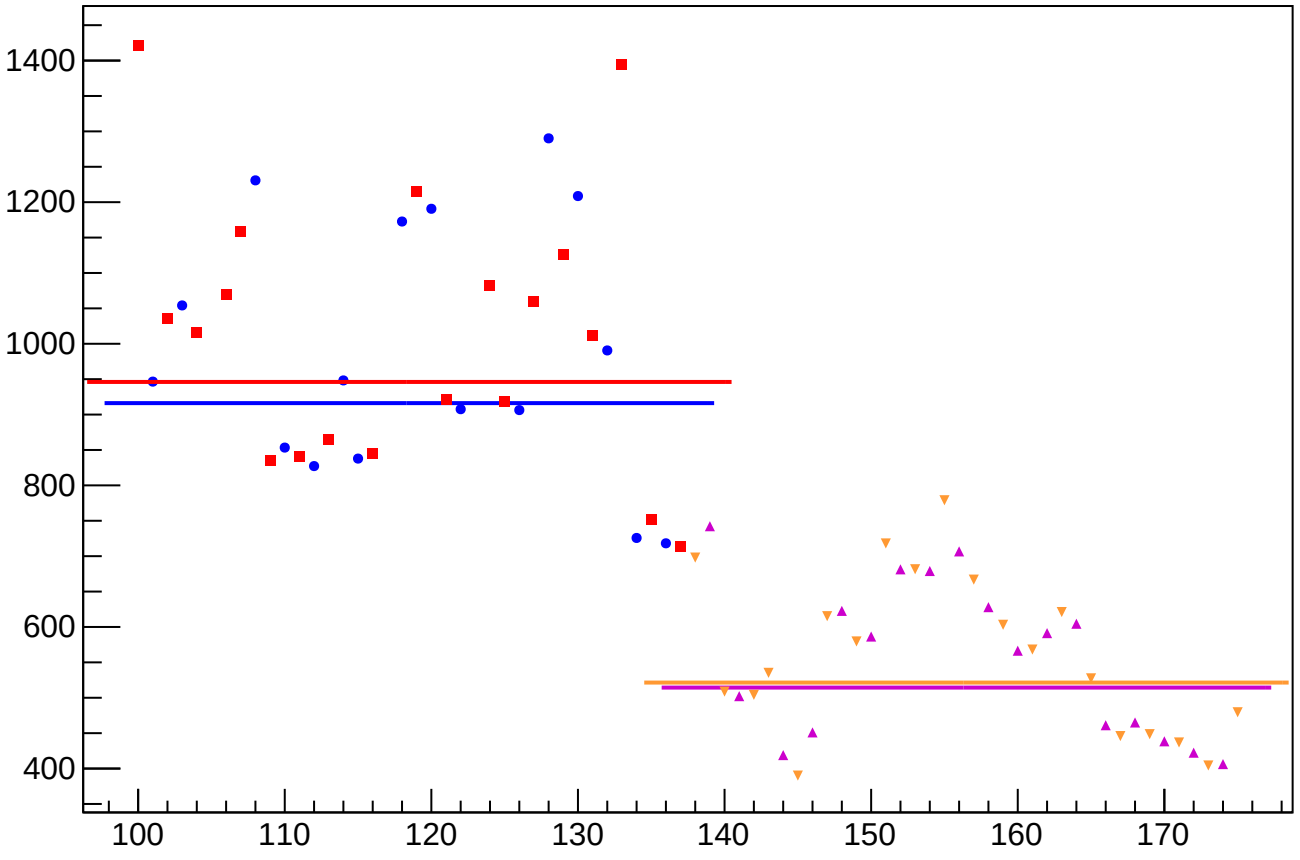
Left In: 60.021+/-0.011 χ^2/NDF:210645.7/17

+ sign 62.234+/-0.009 χ^2/NDF: 904816.1/35

All: 62.375+/-0.007 χ^2/NDF: 1830501.8/72

- sign 62.524+/-0.010 χ^2/NDF: 925212.7/36


asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -437.415+/-348.881 χ²/NDF: 20.6/15
Left Out: -713.429+/-133.889 χ²/NDF:60.0/19
Right Out: -744.388+/-353.488 χ²/NDF: 10.9/18
Left In: -101.213+/-136.328 χ²/NDF:18.3/17
+ sign -677.997+/-125.000 χ²/NDF: 81.1/35
All: -435.541+/-89.155 χ²/NDF: 120.8/72
- sign -184.490+/-127.196 χ²/NDF: 32.0/36



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 521.470+/-0.095 χ^2/NDF:1188687.8/19

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

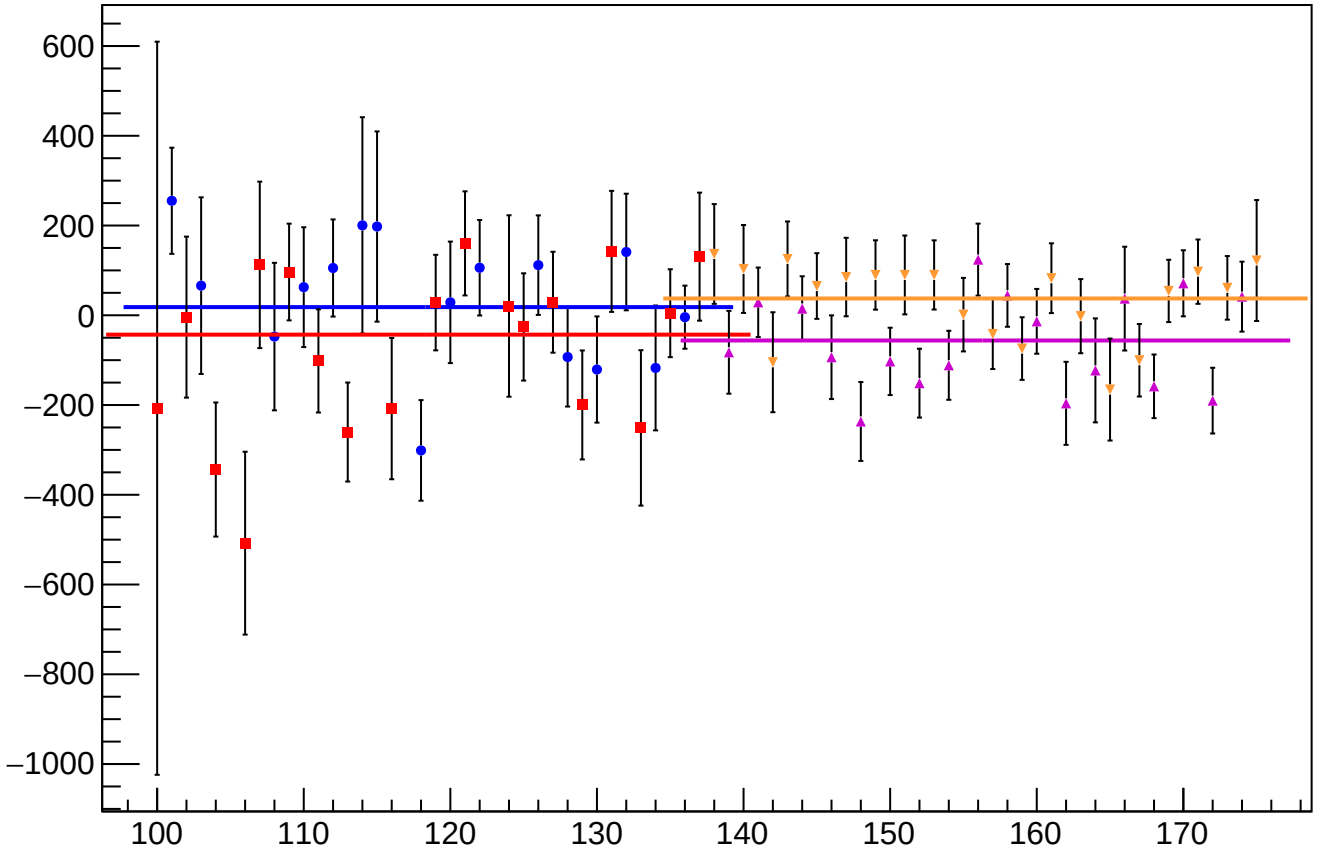
Left In: 514.368+/-0.096 χ^2/NDF:1095404.6/17

+ sign 572.138+/-0.088 χ^2/NDF: 3929096.9/35

All: 571.219+/-0.063 χ^2/NDF: 8027141.5/72

- sign 570.267+/-0.090 χ^2/NDF: 4097824.5/36

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 37.422+/-18.541 χ^2/NDF:17.4/19

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

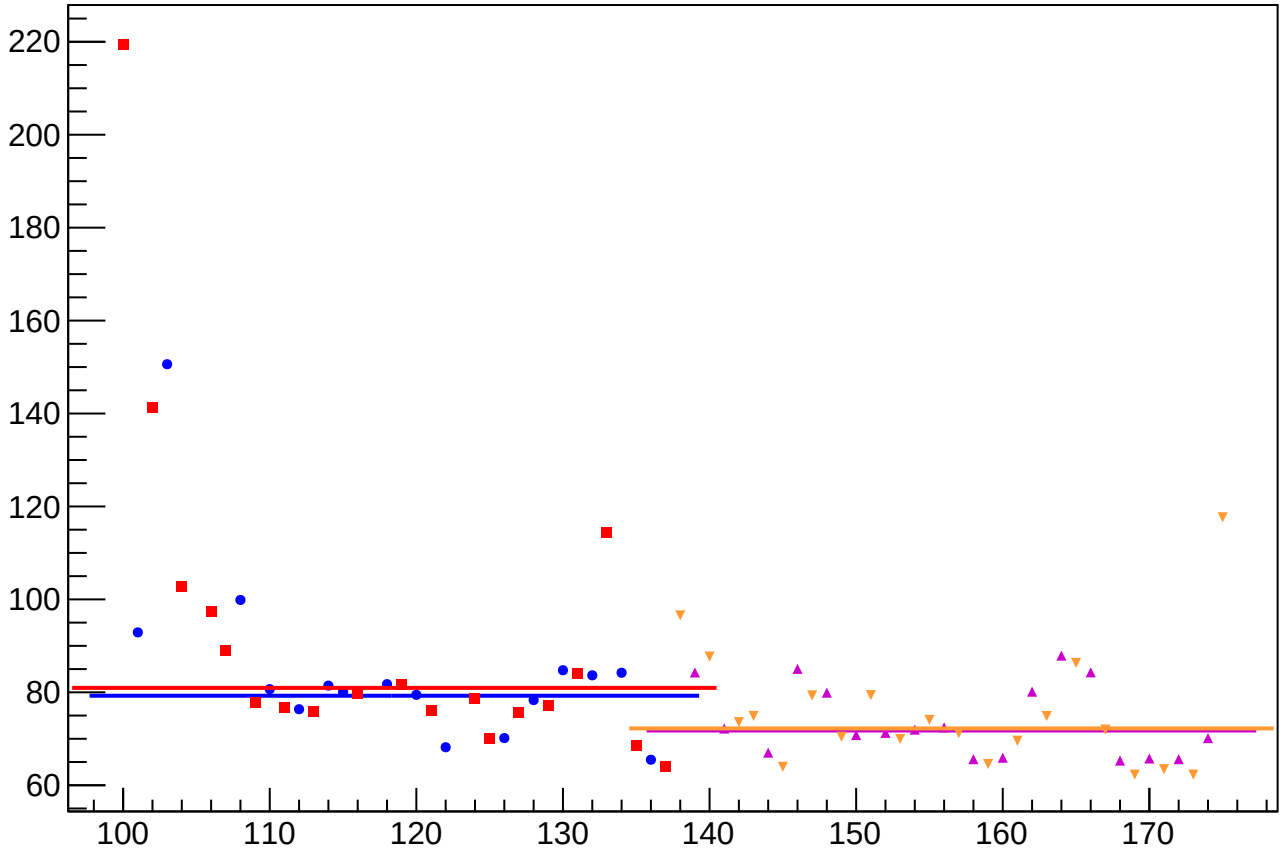
Left In: -56.158+/-18.929 χ^2/NDF:29.8/17

+ sign 32.190+/-15.821 χ^2/NDF: 37.8/35

All: -9.417+/-11.289 χ^2/NDF: 109.6/72

- sign -52.575+/-16.114 χ^2/NDF: 57.7/36

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 72.232+/-0.013 χ^2/NDF:600756.9/19

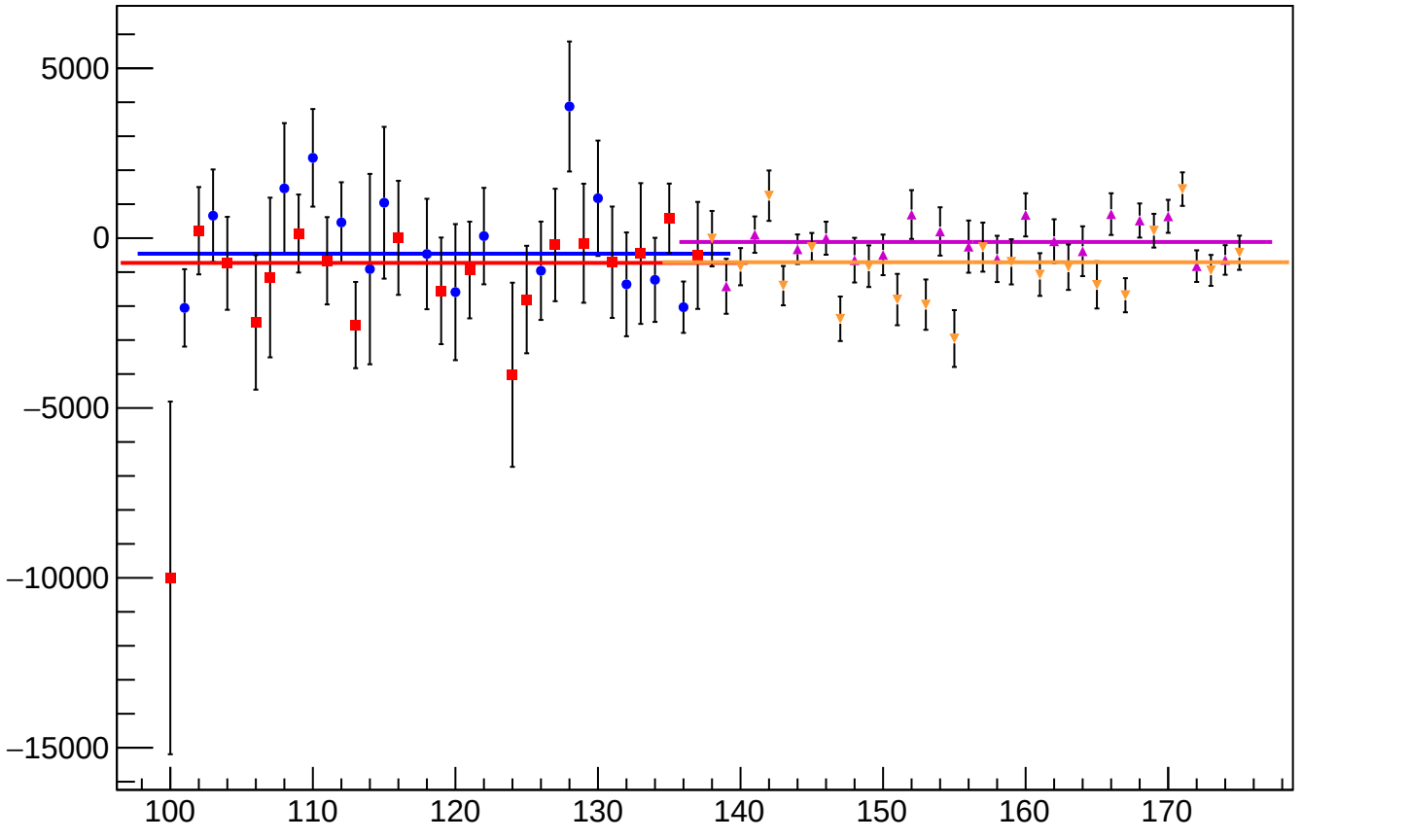
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 71.781+/-0.013 χ^2/NDF:256149.9/17

+ sign 74.143+/-0.011 χ^2/NDF: 1123897.7/35

All: 74.224+/-0.008 χ^2/NDF: 2023779.8/72

- sign 74.308+/-0.011 χ^2/NDF: 899774.8/36



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -708.538+/-132.065 χ^2/NDF:57.5/19

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

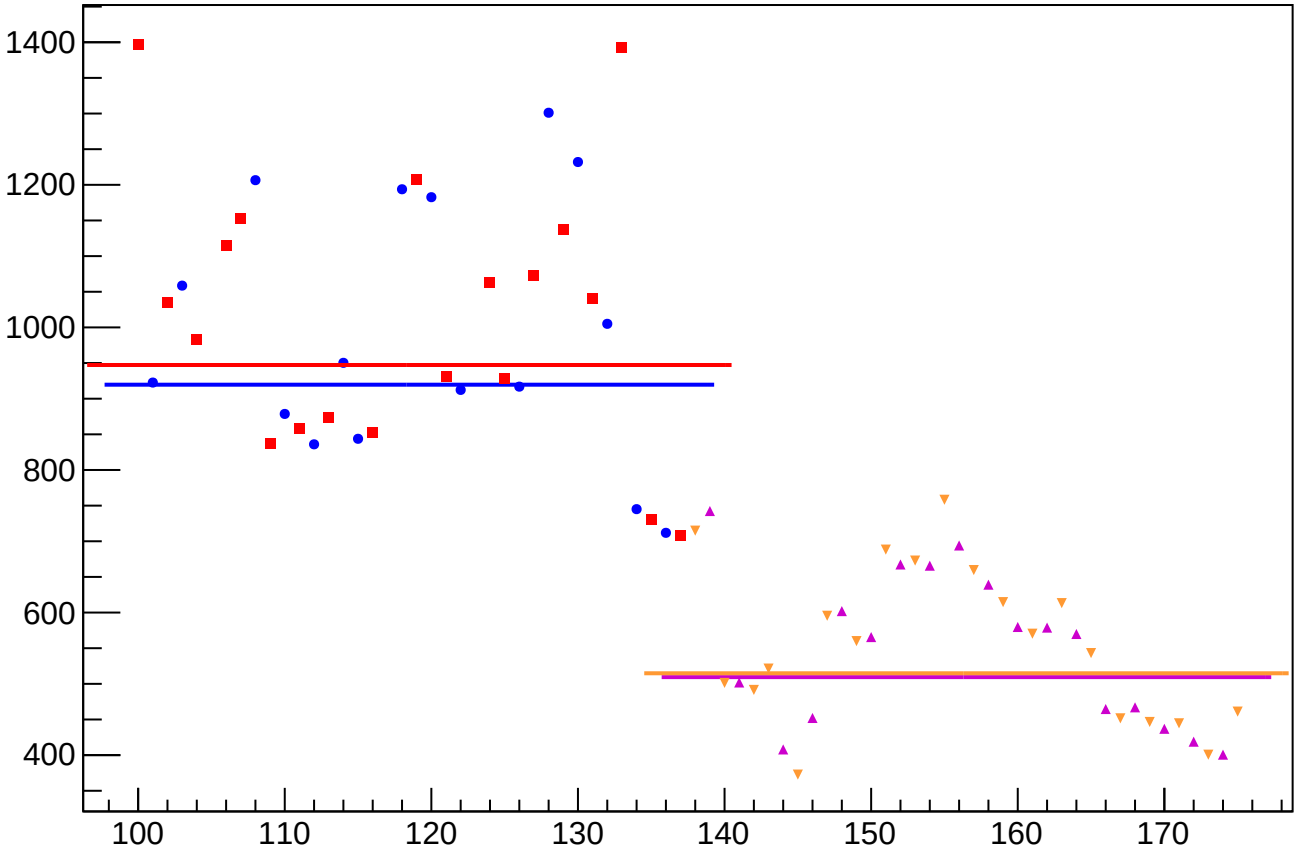
Left In: -112.772+/-135.008 χ^2/NDF:17.4/17

+ sign -677.338+/-123.564 χ^2/NDF: 78.2/35

All: -439.336+/-88.249 χ^2/NDF: 117.4/72

- sign -191.542+/-126.081 χ^2/NDF: 31.6/36

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 514.831+/-0.093 χ^2/NDF:1211128.1/19

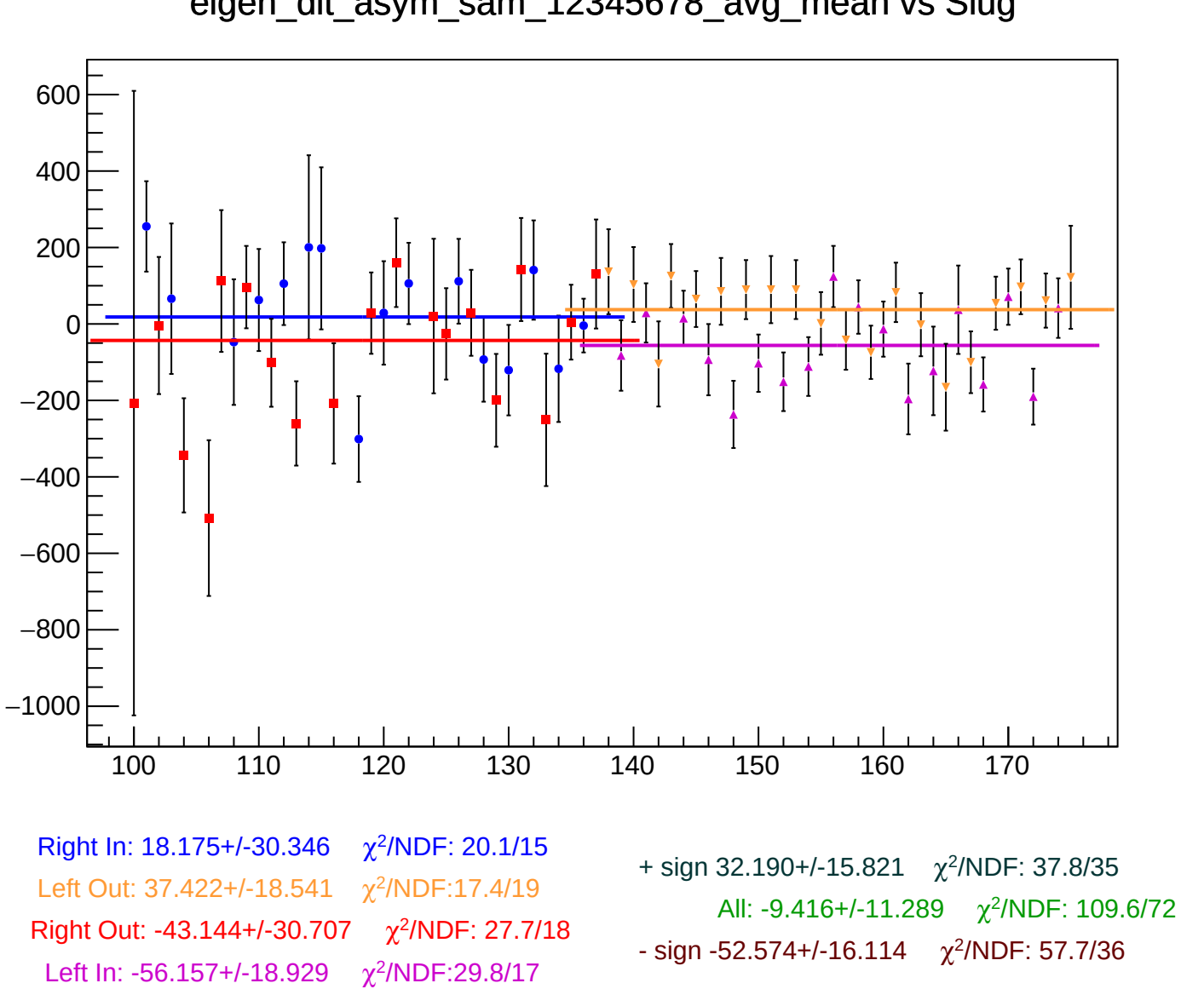
Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 509.446+/-0.095 χ^2/NDF:1072116.7/17

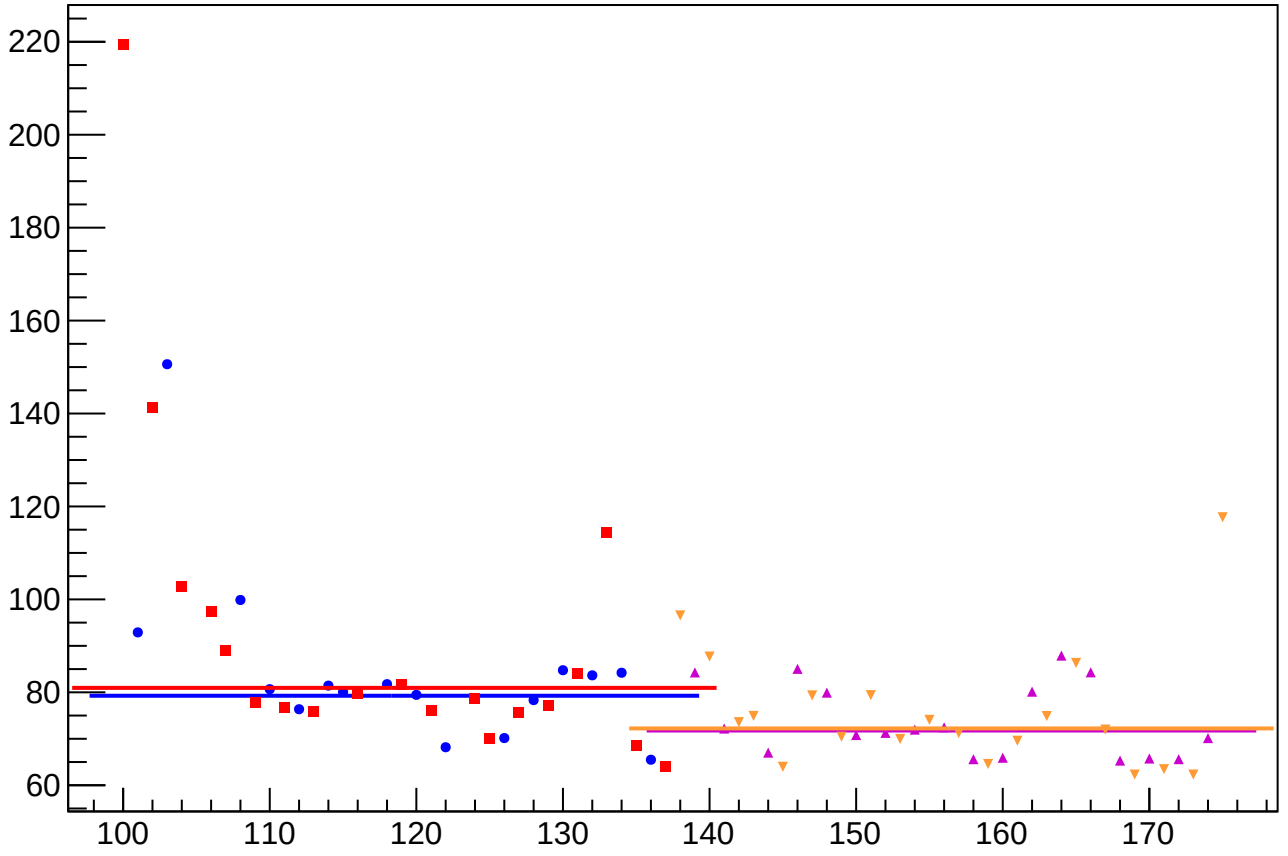
\+ sign 565.263+/-0.087 χ^2/NDF: 4067670.0/35

All: 565.347+/-0.062 χ^2/NDF: 8255091.9/72

\- sign 565.434+/-0.089 χ^2/NDF: 4187420.0/36


eigen_dit_asym_sam_12345678_avg_mean vs Slug
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 18.175+/-30.346 χ²/NDF: 20.1/15
Left Out: 37.422+/-18.541 χ²/NDF:17.4/19
Right Out: -43.144+/-30.707 χ²/NDF: 27.7/18
Left In: -56.157+/-18.929 χ²/NDF:29.8/17
+ sign 32.190+/-15.821 χ²/NDF: 37.8/35
All: -9.416+/-11.289 χ²/NDF: 109.6/72
- sign -52.574+/-16.114 χ²/NDF: 57.7/36

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 72.232+/-0.013 χ^2/NDF:600754.9/19

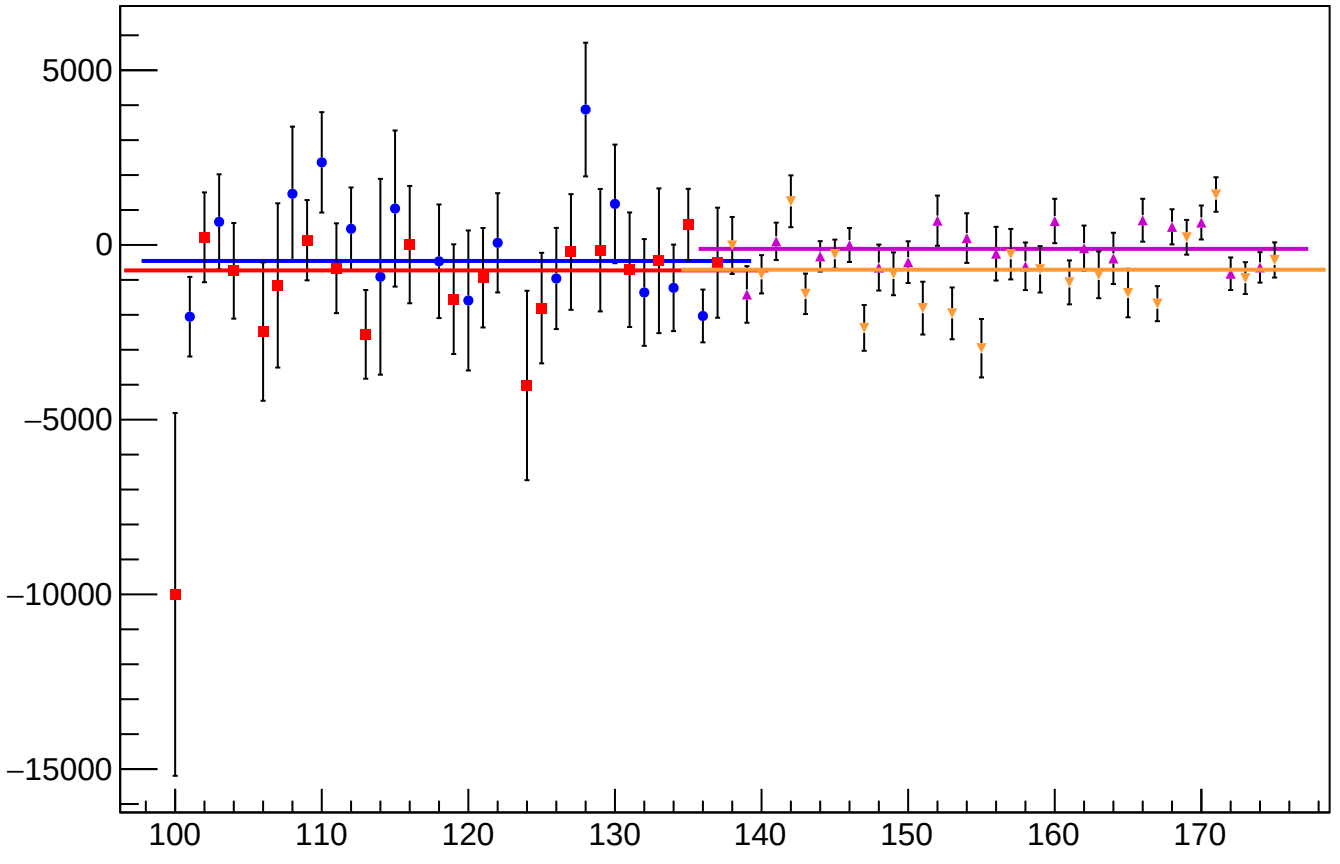
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 71.782+/-0.013 χ^2/NDF:256153.5/17

+ sign 74.143+/-0.011 χ^2/NDF: 1123882.6/35

All: 74.224+/-0.008 χ^2/NDF: 2023764.5/72

- sign 74.308+/-0.011 χ^2/NDF: 899774.5/36



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -708.537+/-132.064 χ^2/NDF:57.5/19

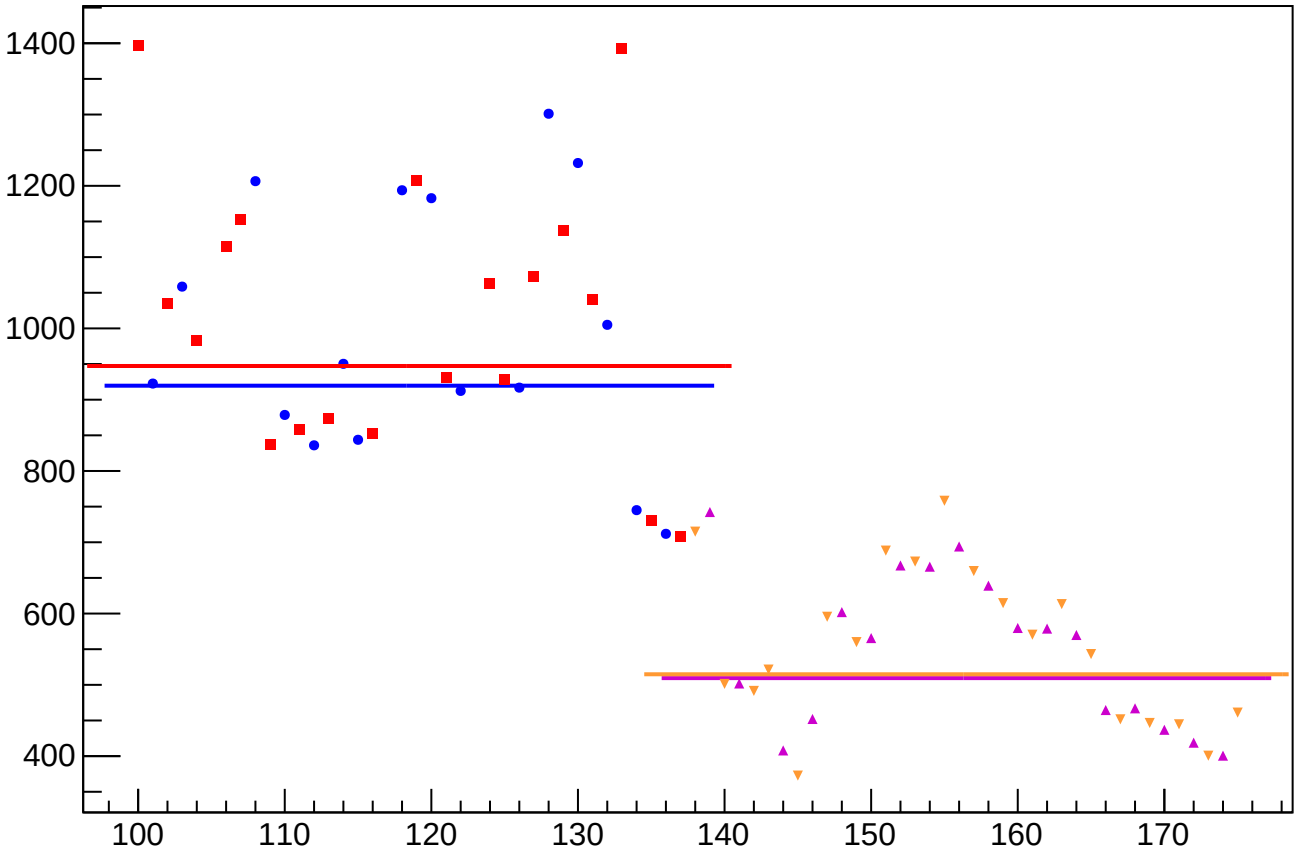
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -112.771+/-135.008 χ^2/NDF:17.4/17

+ sign -677.336+/-123.564 χ^2/NDF: 78.2/35

All: -439.335+/-88.249 χ^2/NDF: 117.4/72

- sign -191.541+/-126.080 χ^2/NDF: 31.6/36



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 514.830+/-0.093 χ^2/NDF:1211131.0/19

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

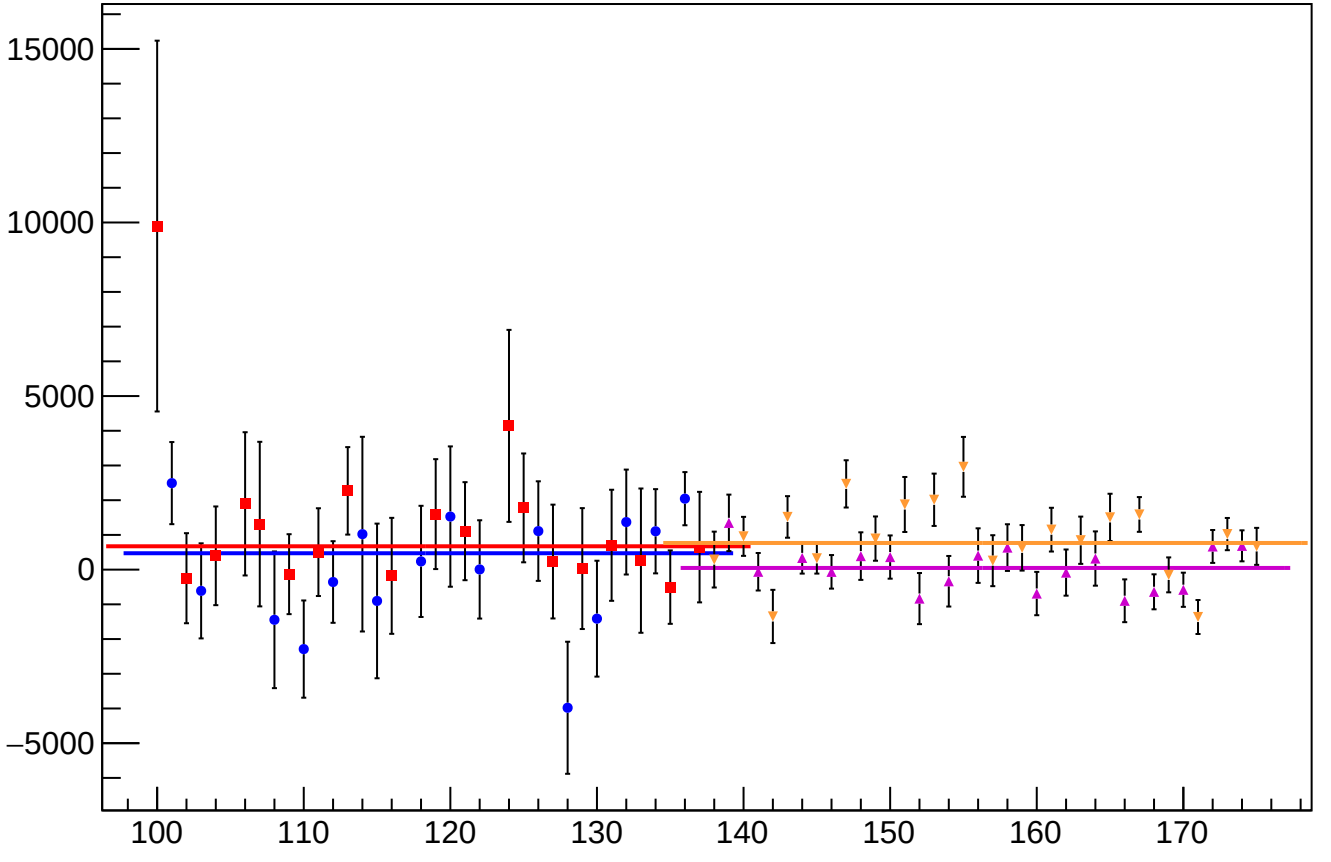
Left In: 509.445+/-0.095 χ^2/NDF:1072116.6/17

+ sign 565.263+/-0.087 χ^2/NDF: 4067669.5/35

All: 565.346+/-0.062 χ^2/NDF: 8255086.9/72

- sign 565.434+/-0.089 χ^2/NDF: 4187415.5/36

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 768.019+/-134.868 χ^2/NDF:55.6/19

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

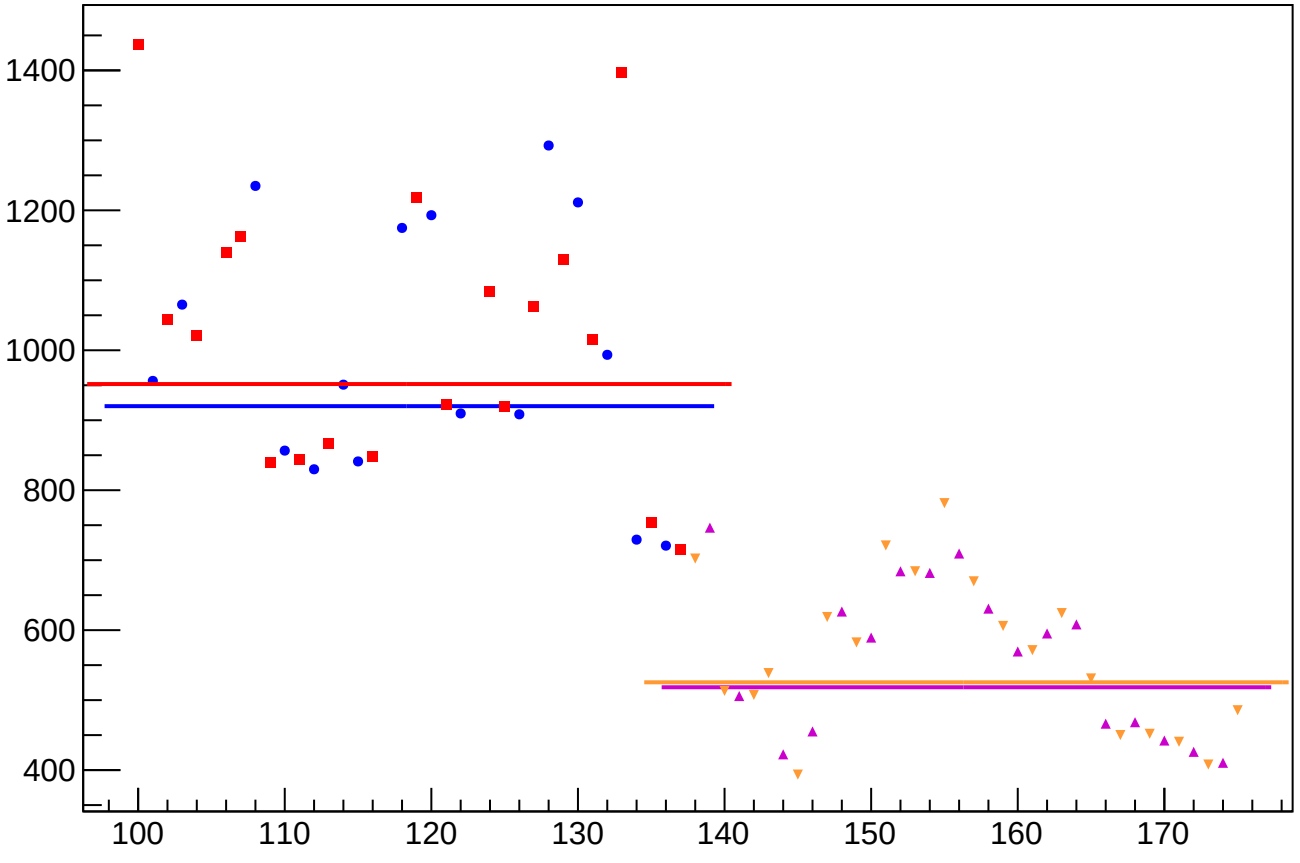
Left In: 48.351+/-137.339 χ^2/NDF:17.4/17

+ sign 729.820+/-125.866 χ^2/NDF: 77.7/35

All: 435.008+/-89.768 χ^2/NDF: 119.2/72

- sign 129.805+/-128.065 χ^2/NDF: 30.4/36

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 525.470+/-0.095 χ^2/NDF:1167899.6/19

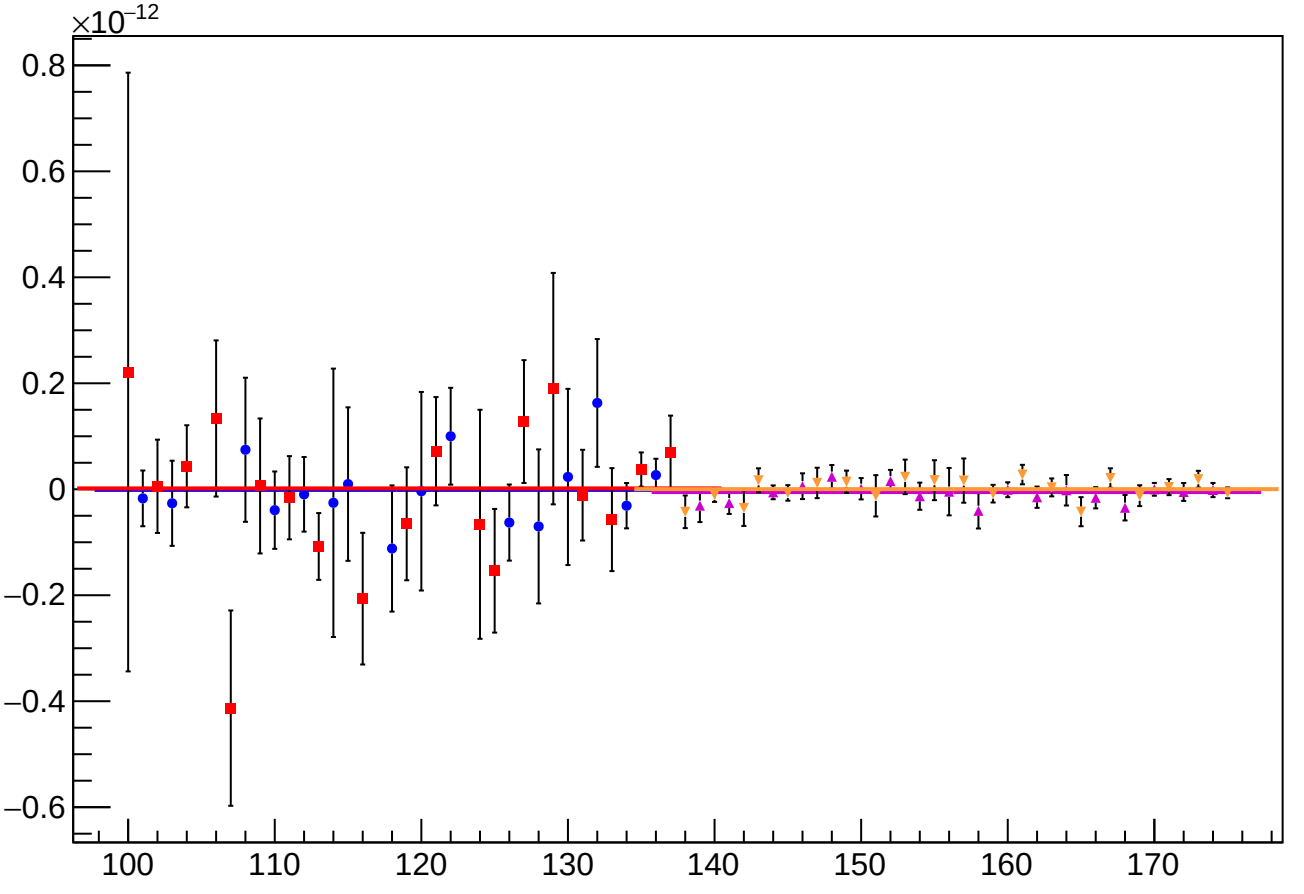
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 518.371+/-0.097 χ^2/NDF:1075576.0/17

\+ sign 576.399+/-0.089 χ^2/NDF: 3886581.0/35

All: 575.673+/-0.063 χ^2/NDF: 7976932.3/72

\- sign 574.922+/-0.091 χ^2/NDF: 4090216.1/36



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/19

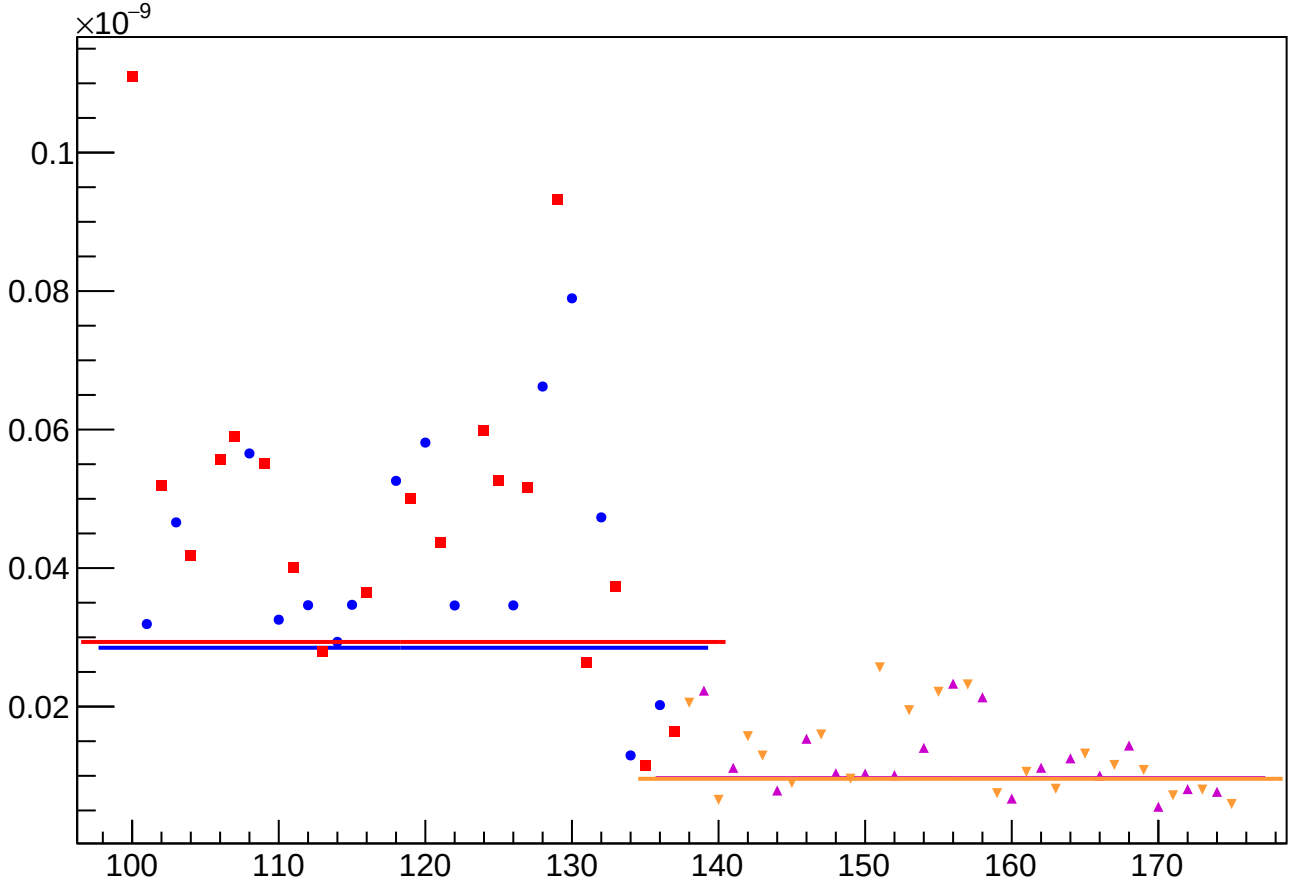
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 21.7/35

All: -0.000+/-0.000 χ^2/NDF: 50.2/72

- sign -0.000+/-0.000 χ^2/NDF: 27.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1977949.4/19

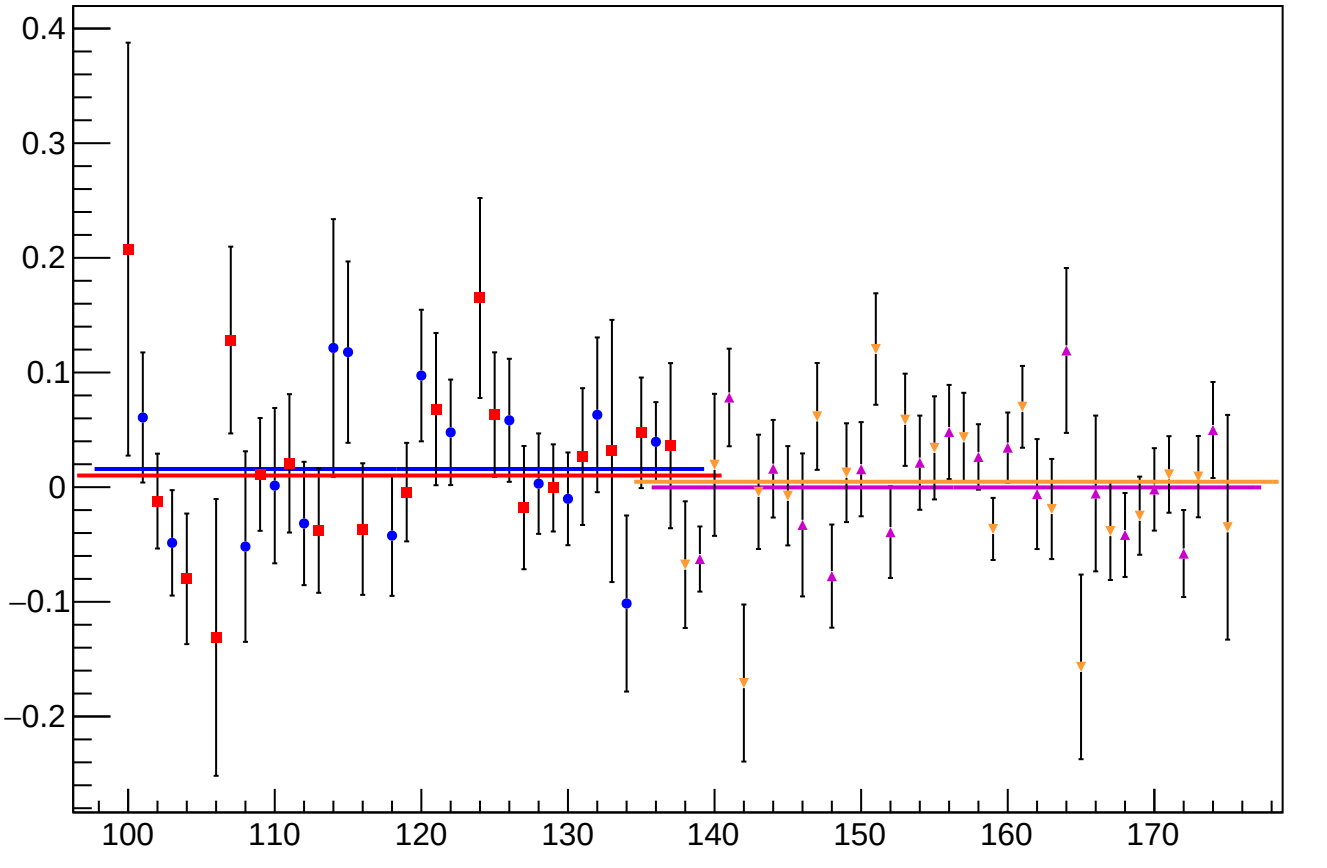
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1472207.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 5289790.6/35

All: 0.000+/-0.000 χ^2/NDF: 10384657.8/72

- sign 0.000+/-0.000 χ^2/NDF: 5094383.0/36



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.9/19

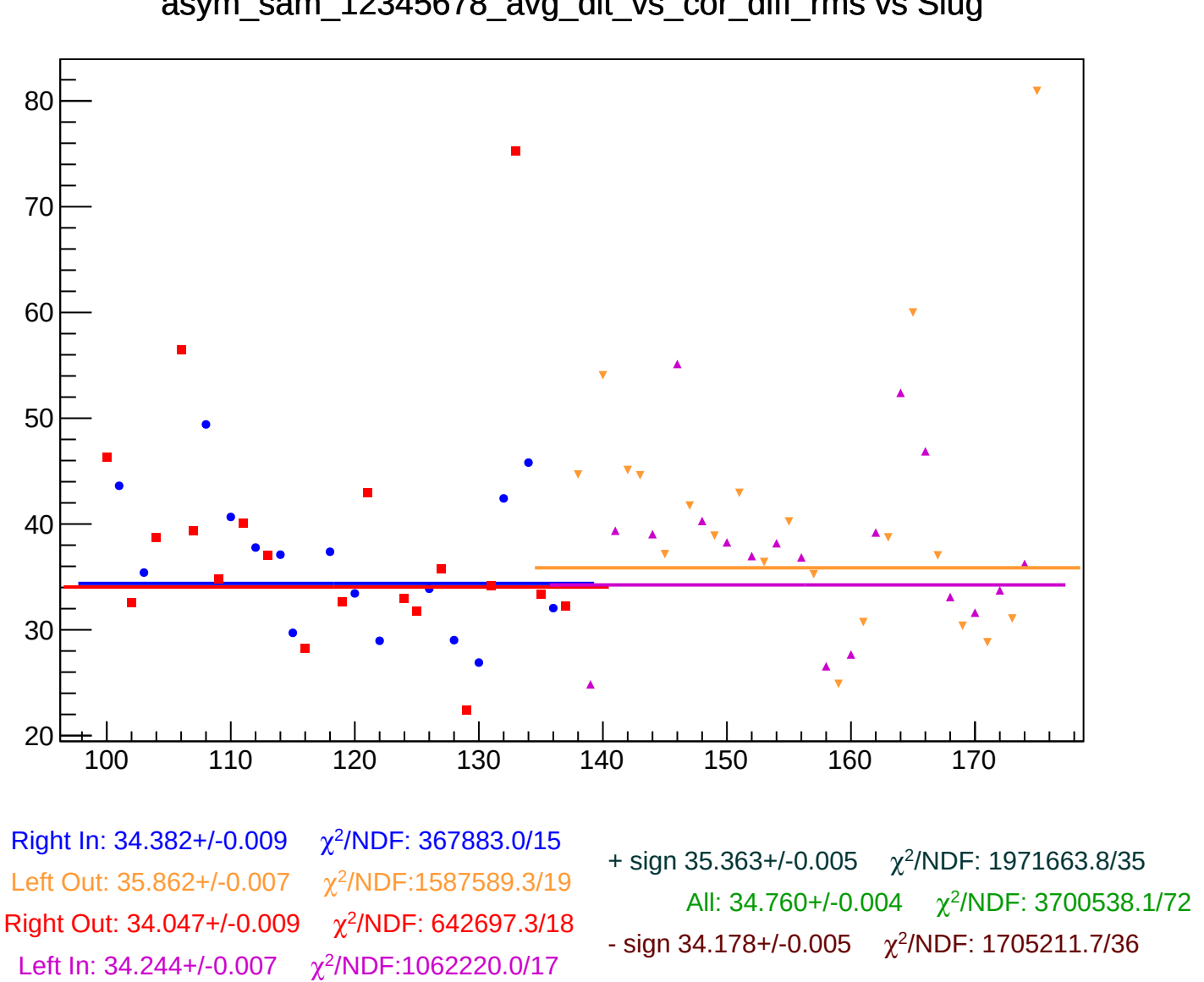
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.009 χ^2/NDF:24.3/17

+ sign 0.008+/-0.008 χ^2/NDF: 46.1/35

All: 0.006+/-0.005 χ^2/NDF: 86.2/72

- sign 0.003+/-0.008 χ^2/NDF: 39.9/36


asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug
80
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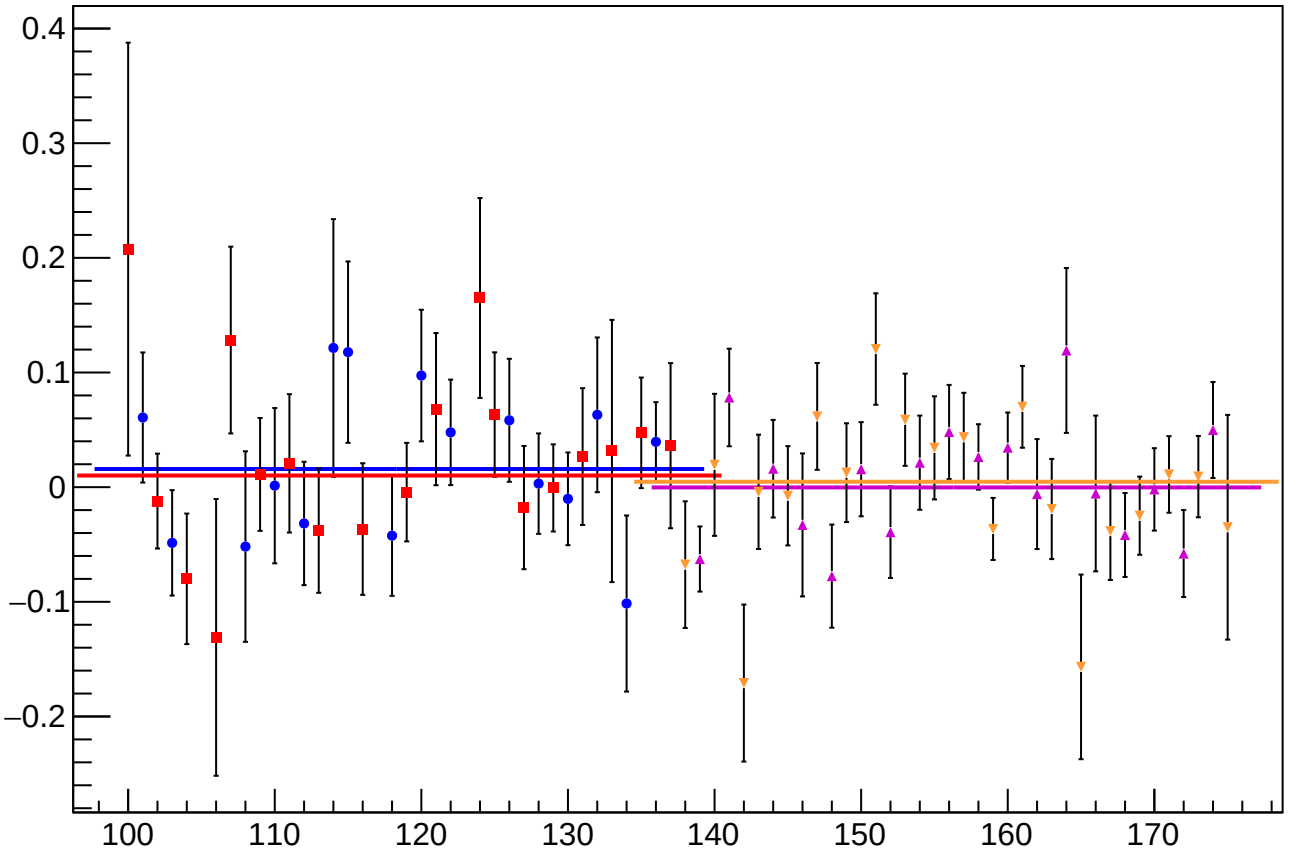
Right In: 34.382+/-0.009 χ²/NDF: 367883.0/15
Left Out: 35.862+/-0.007 χ²/NDF:1587589.3/19
Right Out: 34.047+/-0.009 χ²/NDF: 642697.3/18
Left In: 34.244+/-0.007 χ²/NDF:1062220.0/17
+ sign 35.363+/-0.005 χ²/NDF: 1971663.8/35
All: 34.760+/-0.004 χ²/NDF: 3700538.1/72
- sign 34.178+/-0.005 χ²/NDF: 1705211.7/36



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.9/19

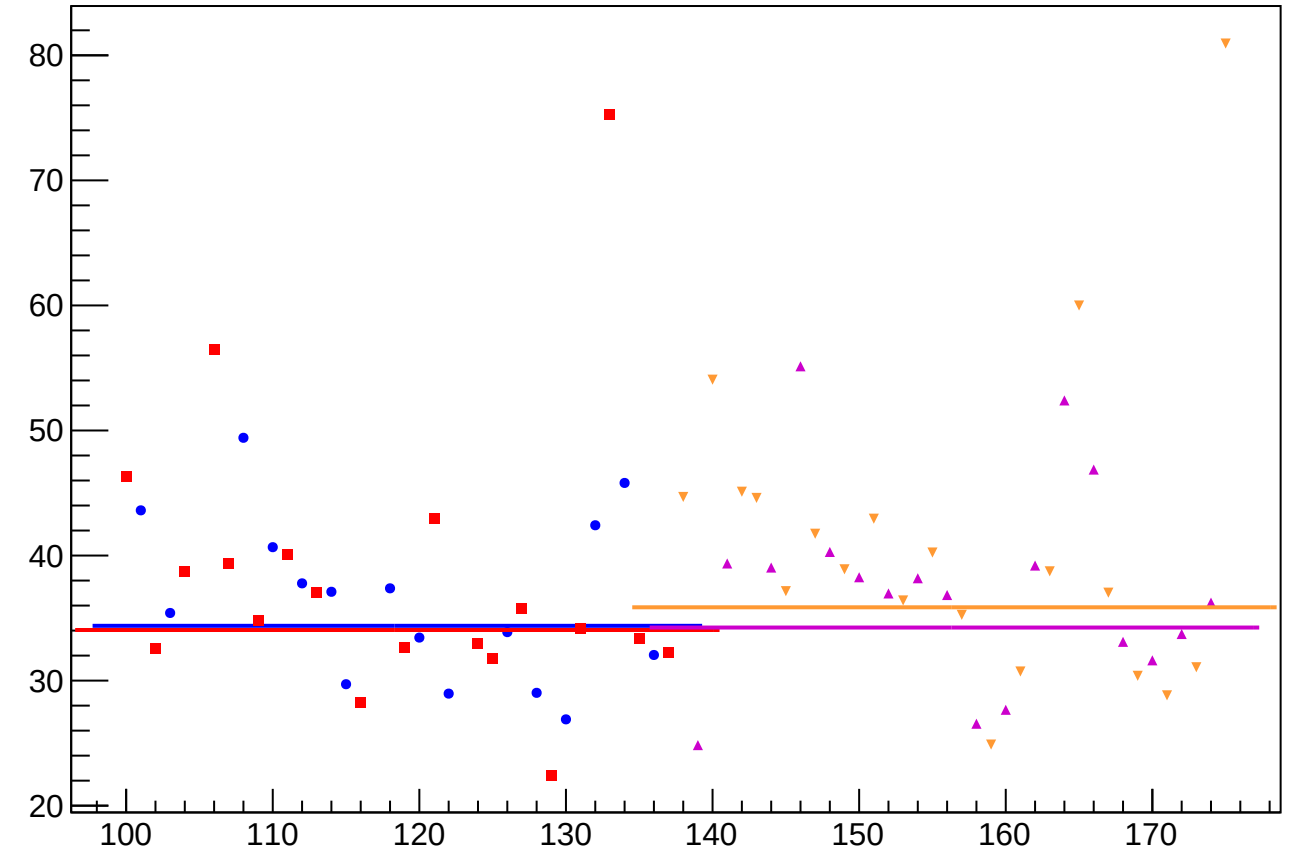
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.009 χ^2/NDF:24.3/17

+ sign 0.008+/-0.008 χ^2/NDF: 46.1/35

All: 0.006+/-0.005 χ^2/NDF: 86.2/72

- sign 0.003+/-0.008 χ^2/NDF: 39.9/36



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.862+/-0.007 χ^2/NDF:1587589.3/19

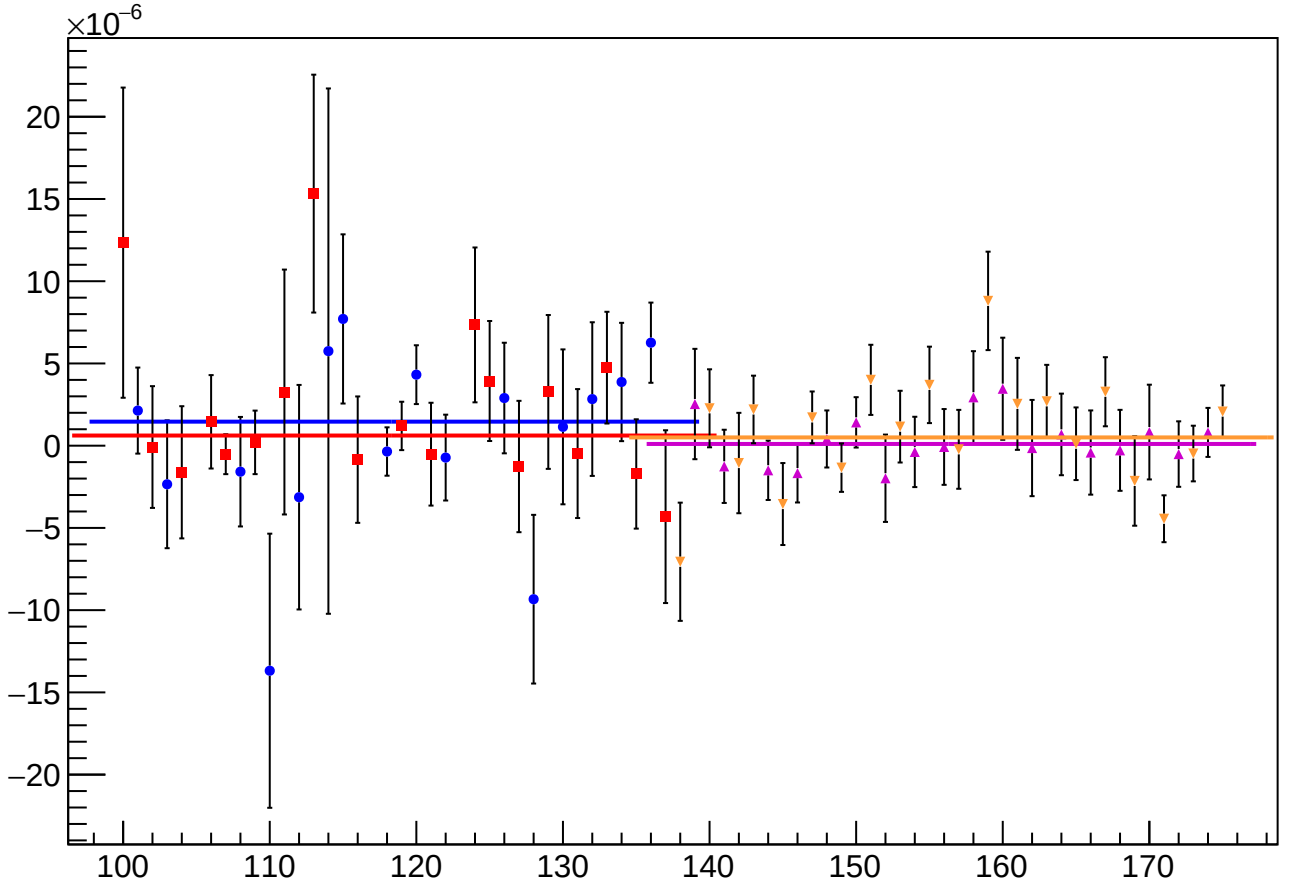
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.244+/-0.007 χ^2/NDF:1062220.0/17

+ sign 35.363+/-0.005 χ^2/NDF: 1971663.8/35

All: 34.760+/-0.004 χ^2/NDF: 3700538.1/72

- sign 34.178+/-0.005 χ^2/NDF: 1705211.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.8/19

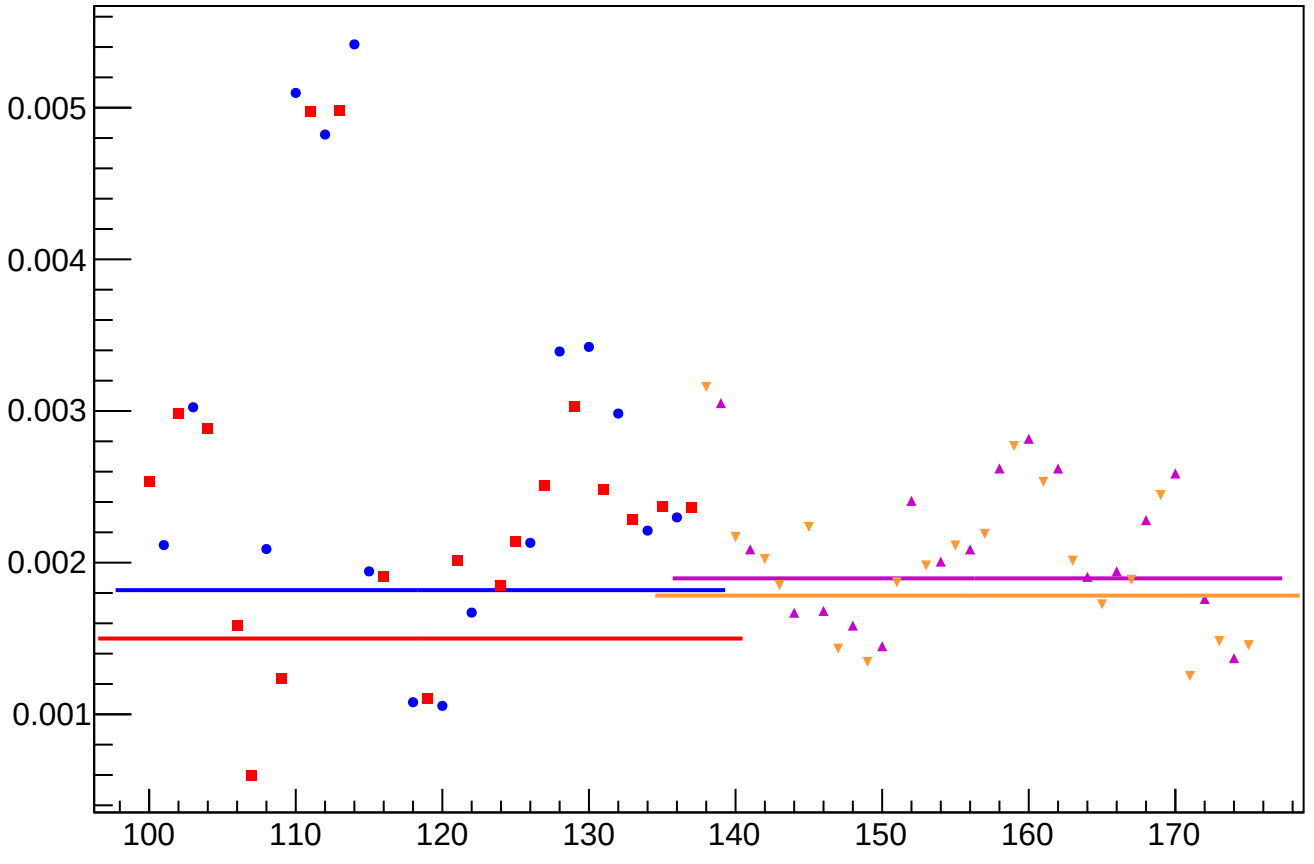
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 62.9/35

All: 0.000+/-0.000 χ^2/NDF: 84.7/72

- sign 0.000+/-0.000 χ^2/NDF: 21.1/36



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1751121.1/19

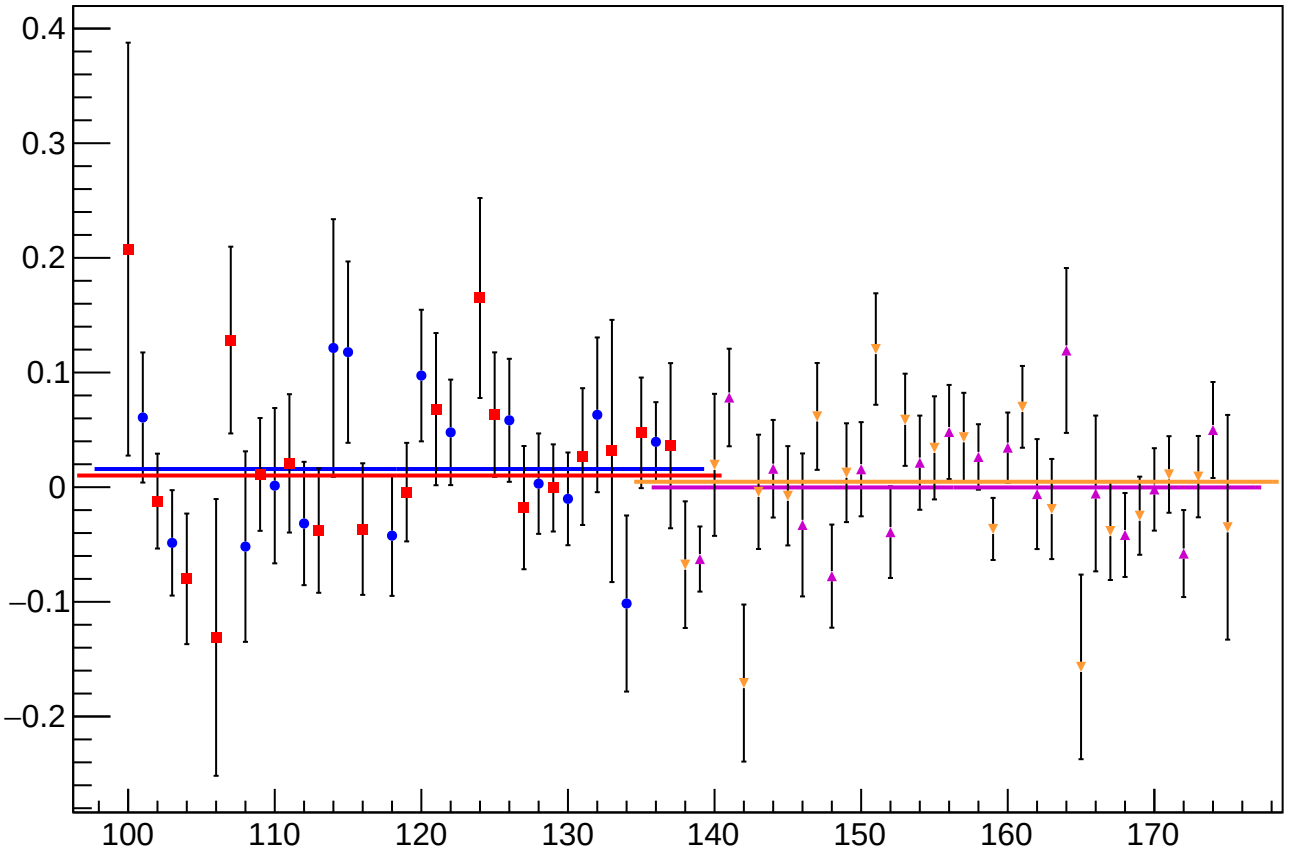
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1496162.4/17

+ sign 0.002+/-0.000 χ^2/NDF: 4324680.1/35

All: 0.002+/-0.000 χ^2/NDF: 9989952.8/72

- sign 0.002+/-0.000 χ^2/NDF: 5650770.6/36



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.9/19

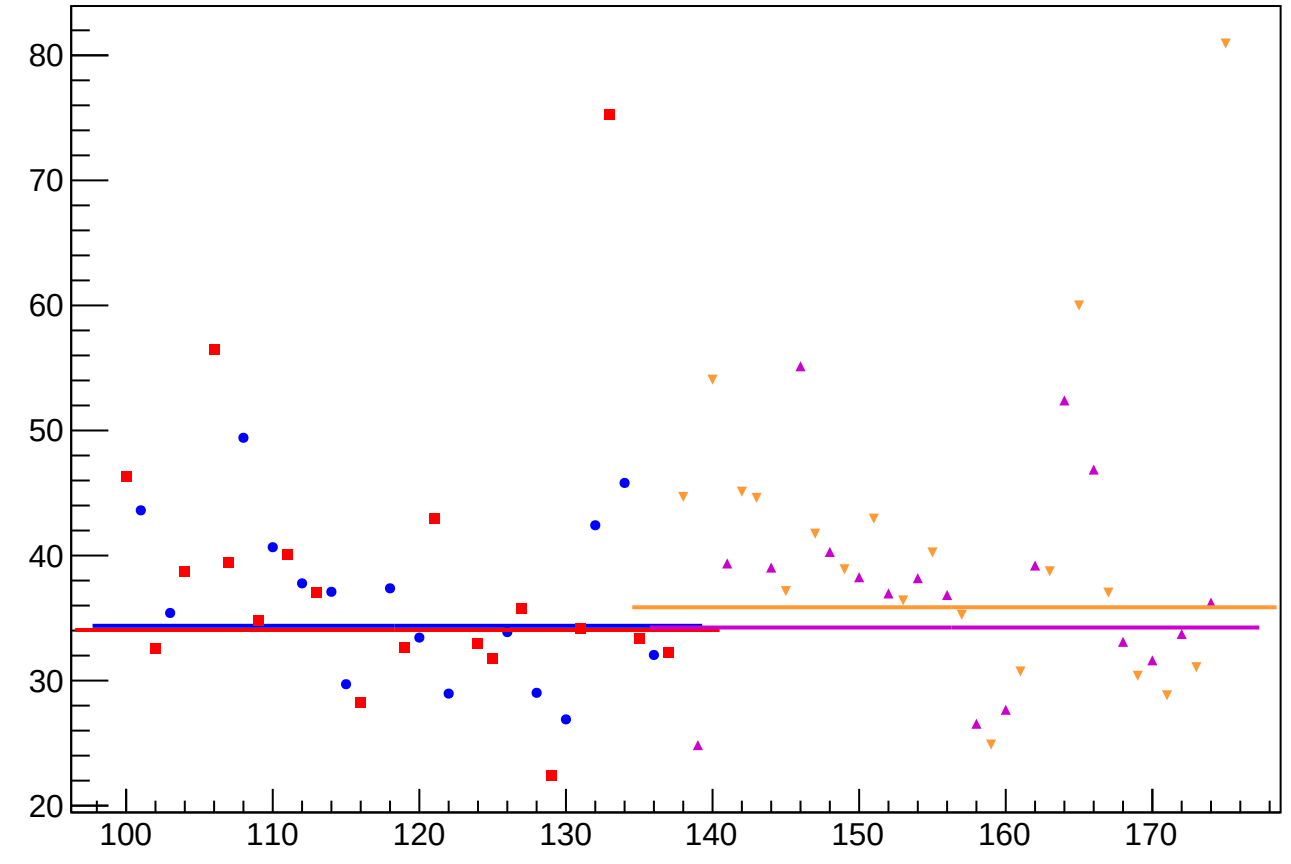
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.009 χ^2/NDF:24.3/17

+ sign 0.008+/-0.008 χ^2/NDF: 46.1/35

All: 0.006+/-0.005 χ^2/NDF: 86.2/72

- sign 0.003+/-0.008 χ^2/NDF: 39.9/36



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 35.862+/-0.007 χ^2/NDF:1587650.8/19

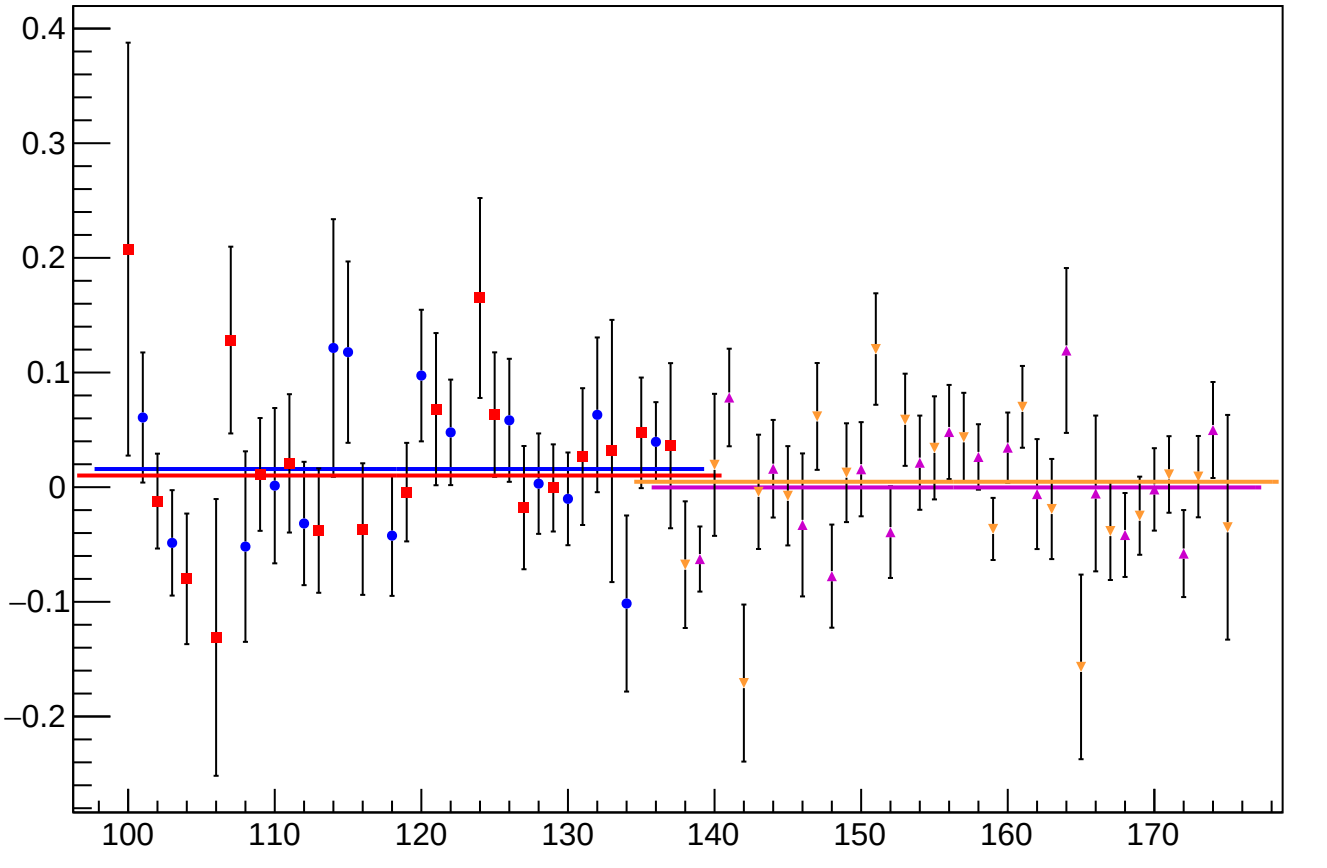
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.244+/-0.007 χ^2/NDF:1062290.2/17

\+ sign 35.363+/-0.005 χ^2/NDF: 1971804.2/35

All: 34.760+/-0.004 χ^2/NDF: 3700789.5/72

\- sign 34.178+/-0.005 χ^2/NDF: 1705328.6/36



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.9/19

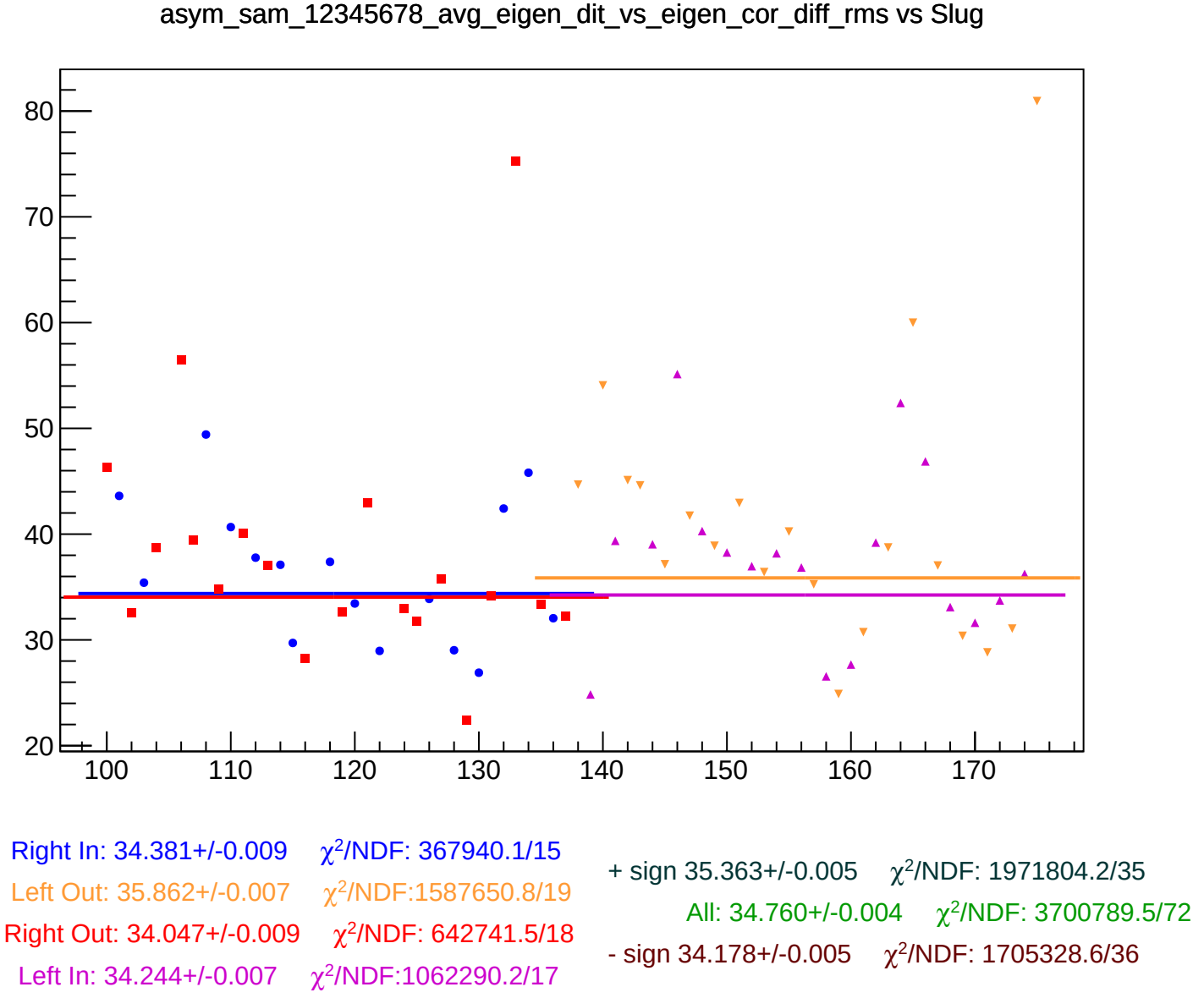
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.009 χ^2/NDF:24.3/17

+ sign 0.008+/-0.008 χ^2/NDF: 46.1/35

All: 0.006+/-0.005 χ^2/NDF: 86.2/72

- sign 0.003+/-0.008 χ^2/NDF: 39.9/36


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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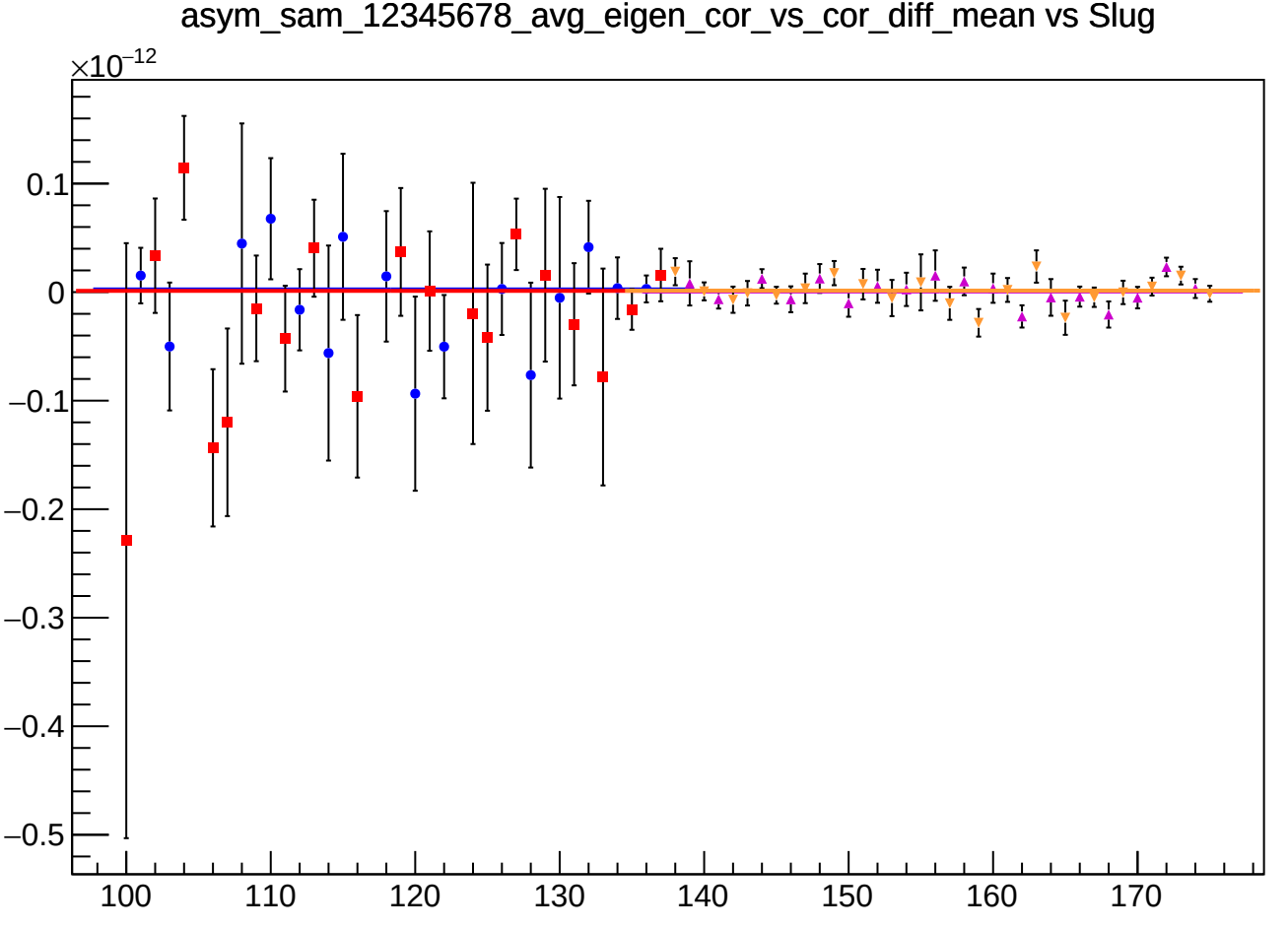
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 35.862+/-0.007 χ²/NDF:1587650.8/19
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 34.244+/-0.007 χ²/NDF:1062290.2/17
+ sign 35.363+/-0.005 χ²/NDF: 1971804.2/35
All: 34.760+/-0.004 χ²/NDF: 3700789.5/72
- sign 34.178+/-0.005 χ²/NDF: 1705328.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/19

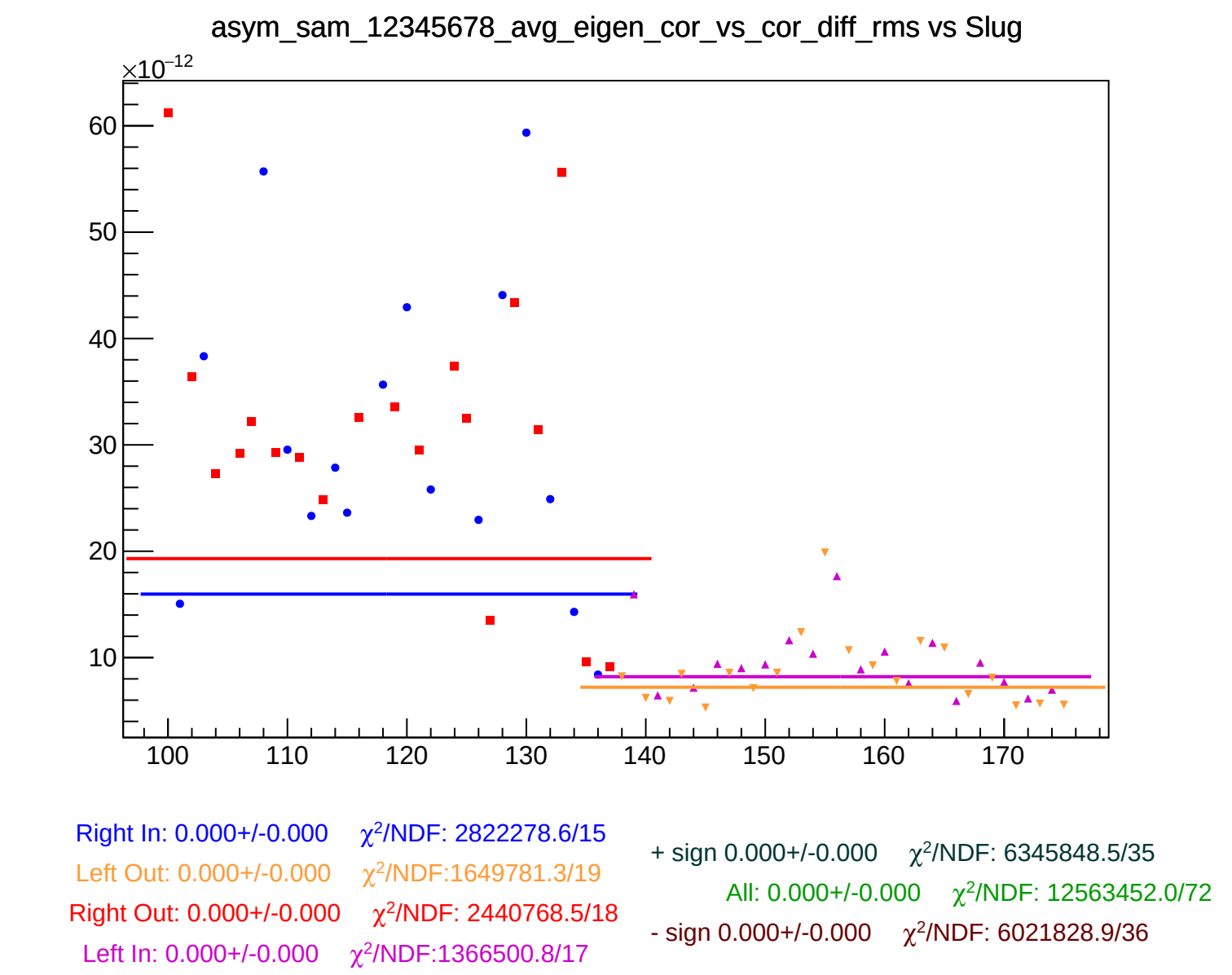
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:21.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 27.5/35

All: 0.000+/-0.000 χ^2/NDF: 70.6/72

- sign 0.000+/-0.000 χ^2/NDF: 43.0/36


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug
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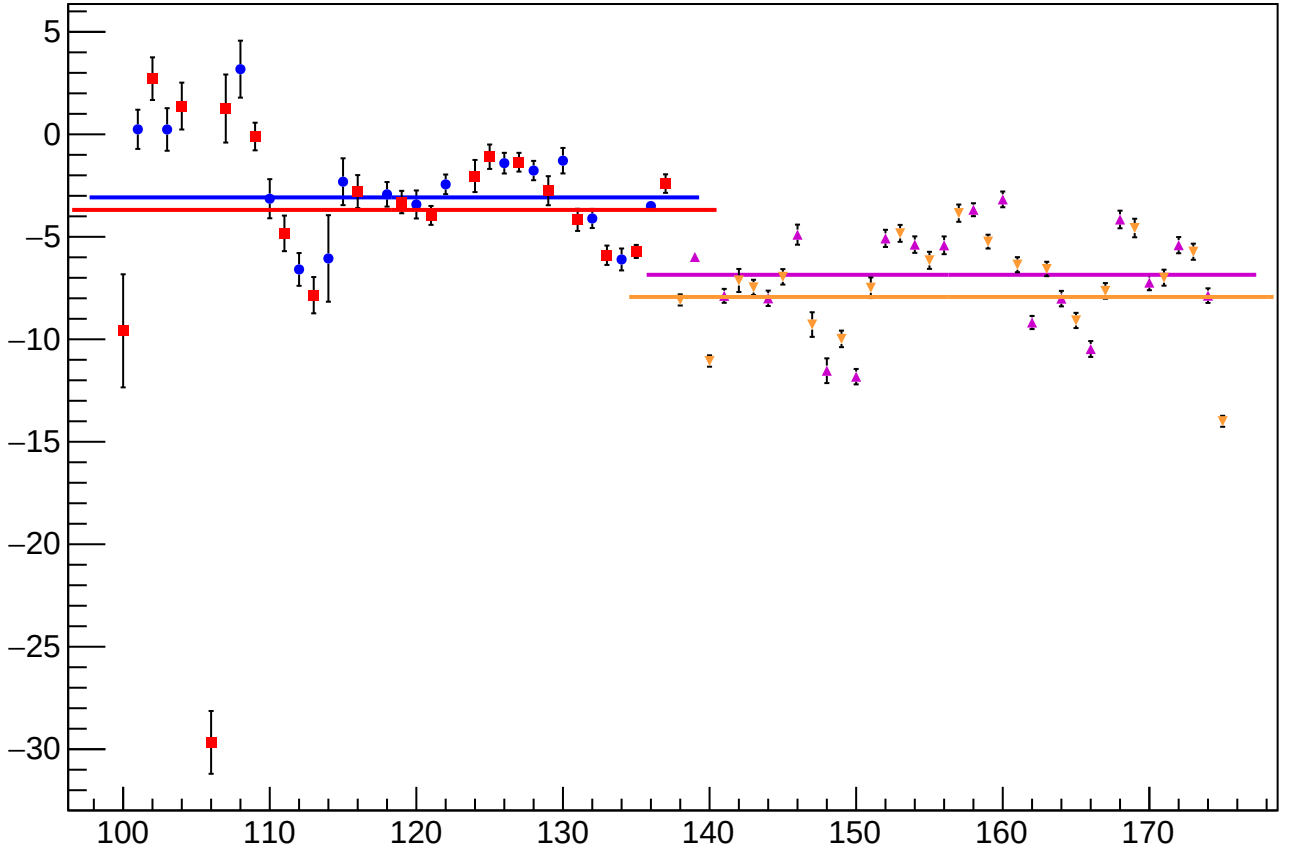
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1649781.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:1366500.8/17
+ sign 0.000+/-0.000 χ²/NDF: 6345848.5/35
All: 0.000+/-0.000 χ²/NDF: 12563452.0/72
- sign 0.000+/-0.000 χ²/NDF: 6021828.9/36

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.934+/-0.083 χ^2/NDF:1049.4/19

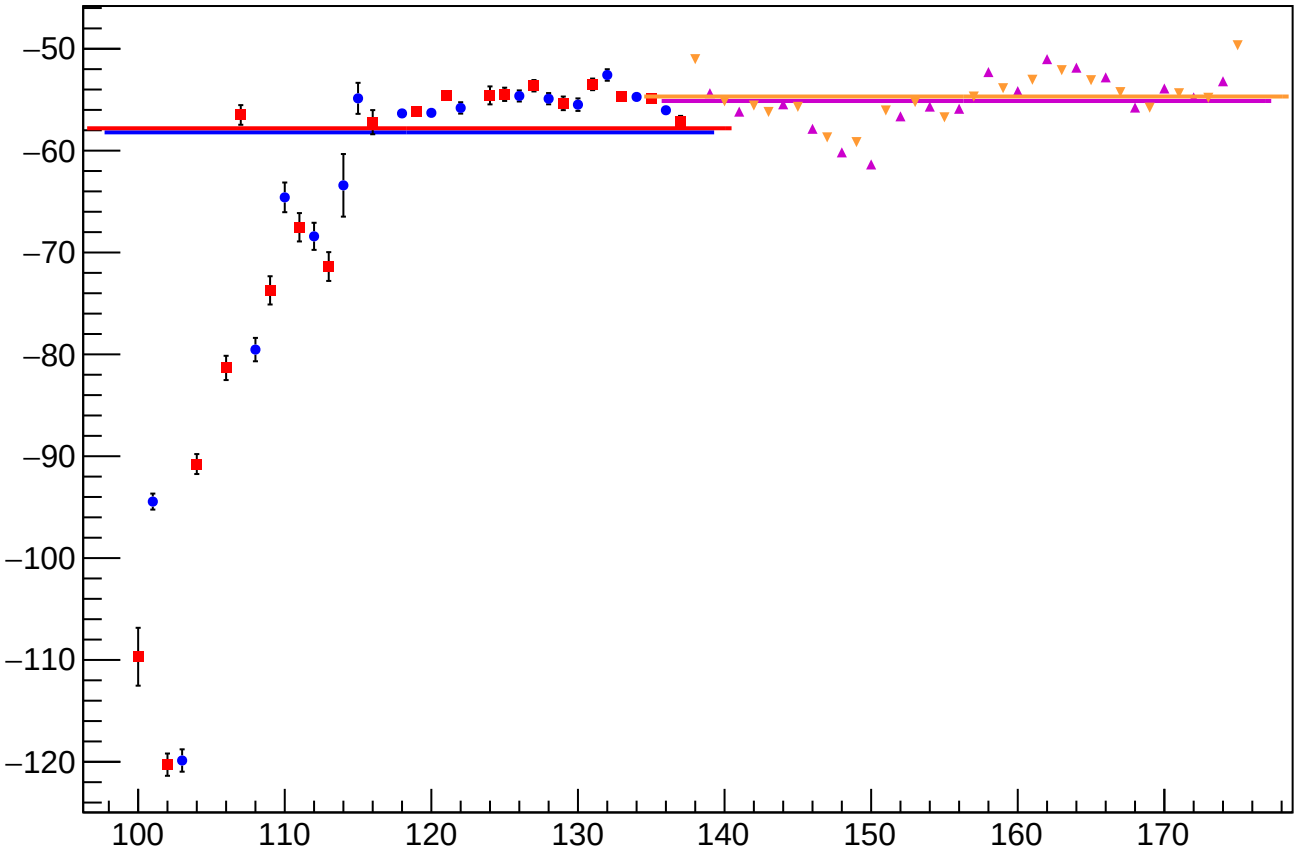
Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -6.853+/-0.087 χ^2/NDF:728.3/17

+ sign -6.599+/-0.071 χ^2/NDF: 2118.7/35

All: -6.298+/-0.051 χ^2/NDF: 3787.2/72

- sign -5.969+/-0.074 χ^2/NDF: 1630.7/36



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.686+/-0.063 χ^2/NDF:1355.8/19

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

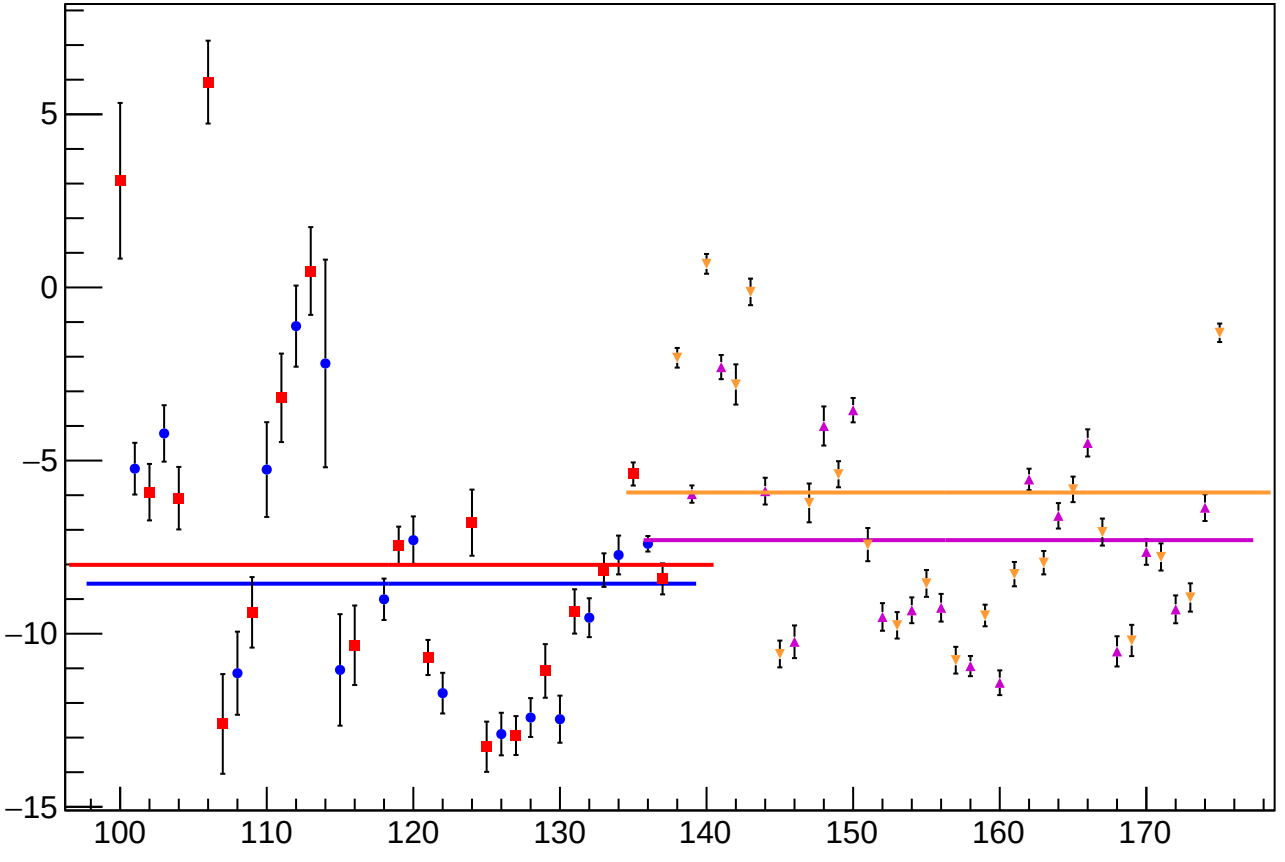
Left In: -55.127+/-0.067 χ^2/NDF:1724.7/17

+ sign -55.305+/-0.057 χ^2/NDF: 8037.7/35

All: -55.459+/-0.041 χ^2/NDF: 15874.0/72

- sign -55.630+/-0.060 χ^2/NDF: 7820.8/36

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.922+/-0.082 χ^2/NDF:2125.7/19

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

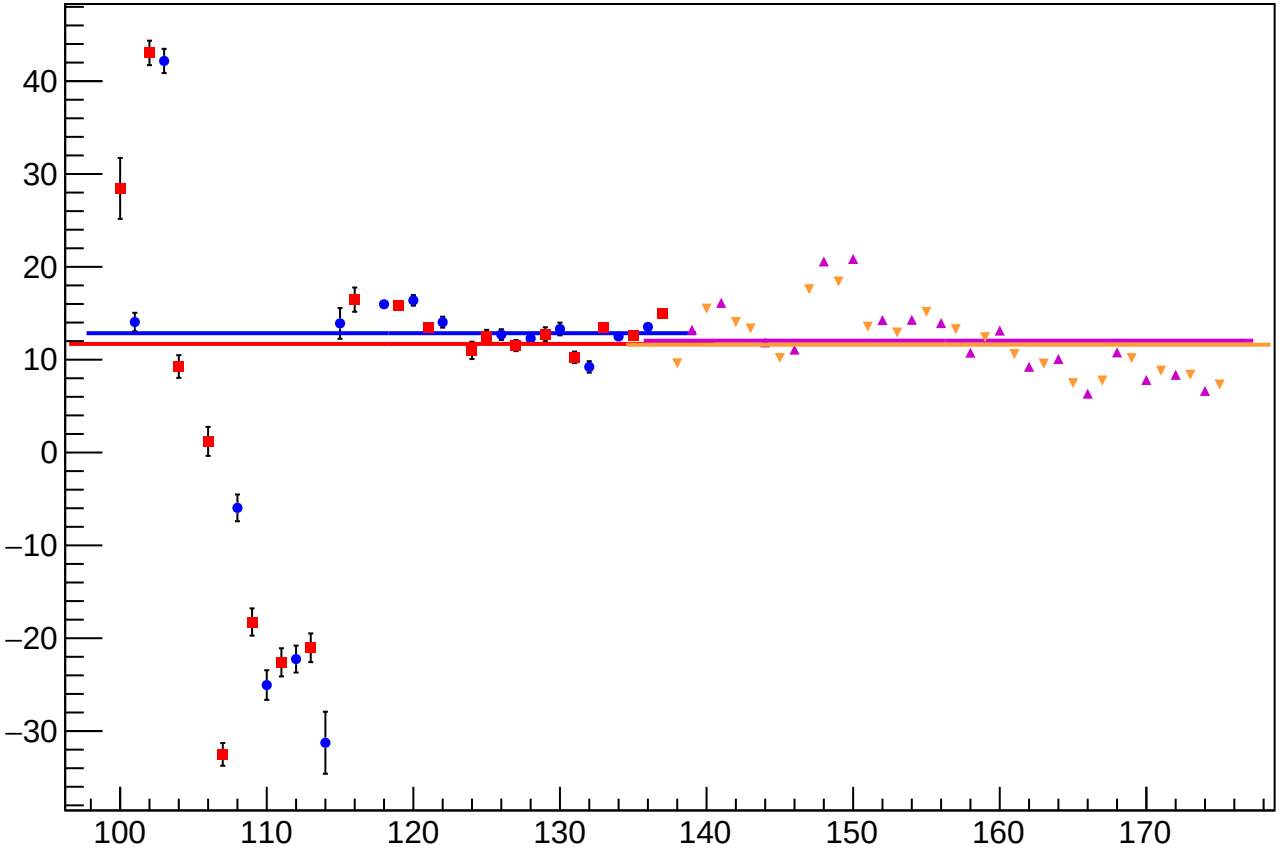
Left In: -7.298+/-0.086 χ^2/NDF:978.6/17

+ sign -6.563+/-0.071 χ^2/NDF: 2676.9/35

All: -6.994+/-0.052 χ^2/NDF: 4238.0/72

- sign -7.469+/-0.075 χ^2/NDF: 1484.5/36

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 11.614+/-0.070 χ^2/NDF:2047.1/19

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

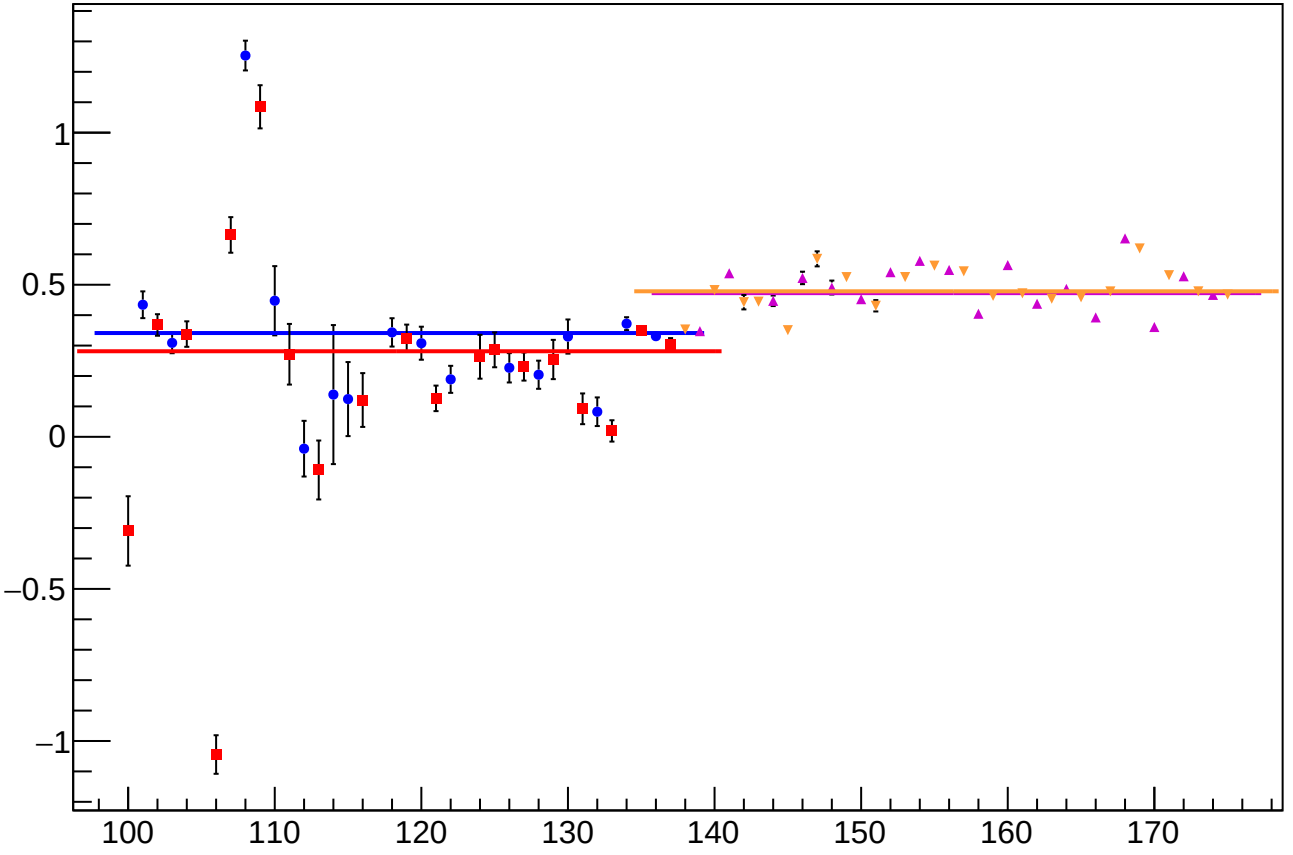
Left In: 12.047+/-0.074 χ^2/NDF:2757.8/17

+ sign 11.837+/-0.064 χ^2/NDF: 4231.2/35

All: 11.906+/-0.046 χ^2/NDF: 10494.4/72

- sign 11.982+/-0.067 χ^2/NDF: 6260.6/36

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.478+/-0.003 χ^2/NDF:428.0/19

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

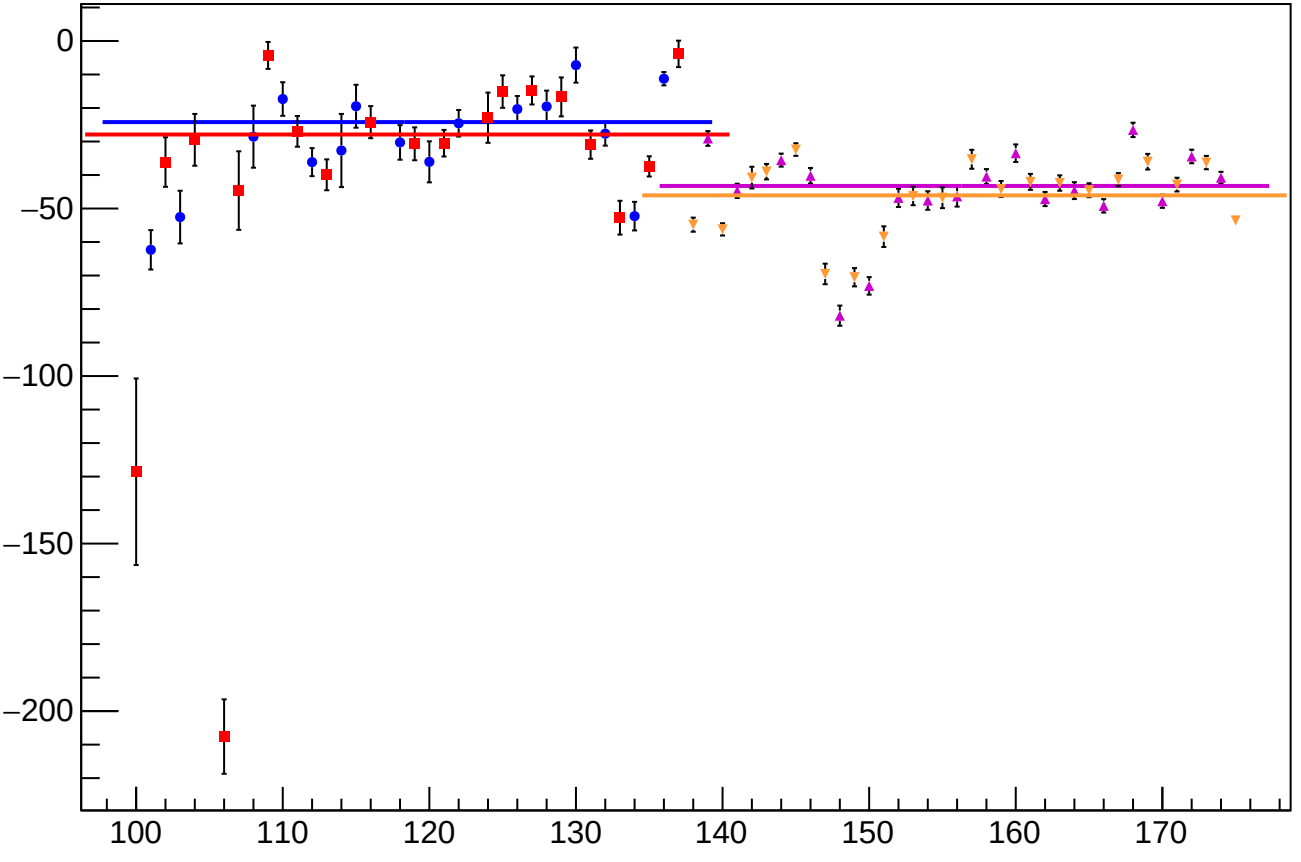
Left In: 0.472+/-0.003 χ^2/NDF:727.6/17

+ sign 0.460+/-0.003 χ^2/NDF: 1125.8/35

All: 0.455+/-0.002 χ^2/NDF: 3085.0/72

- sign 0.449+/-0.003 χ^2/NDF: 1952.4/36

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -46.070+/-0.503 χ^2/NDF:364.3/19

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

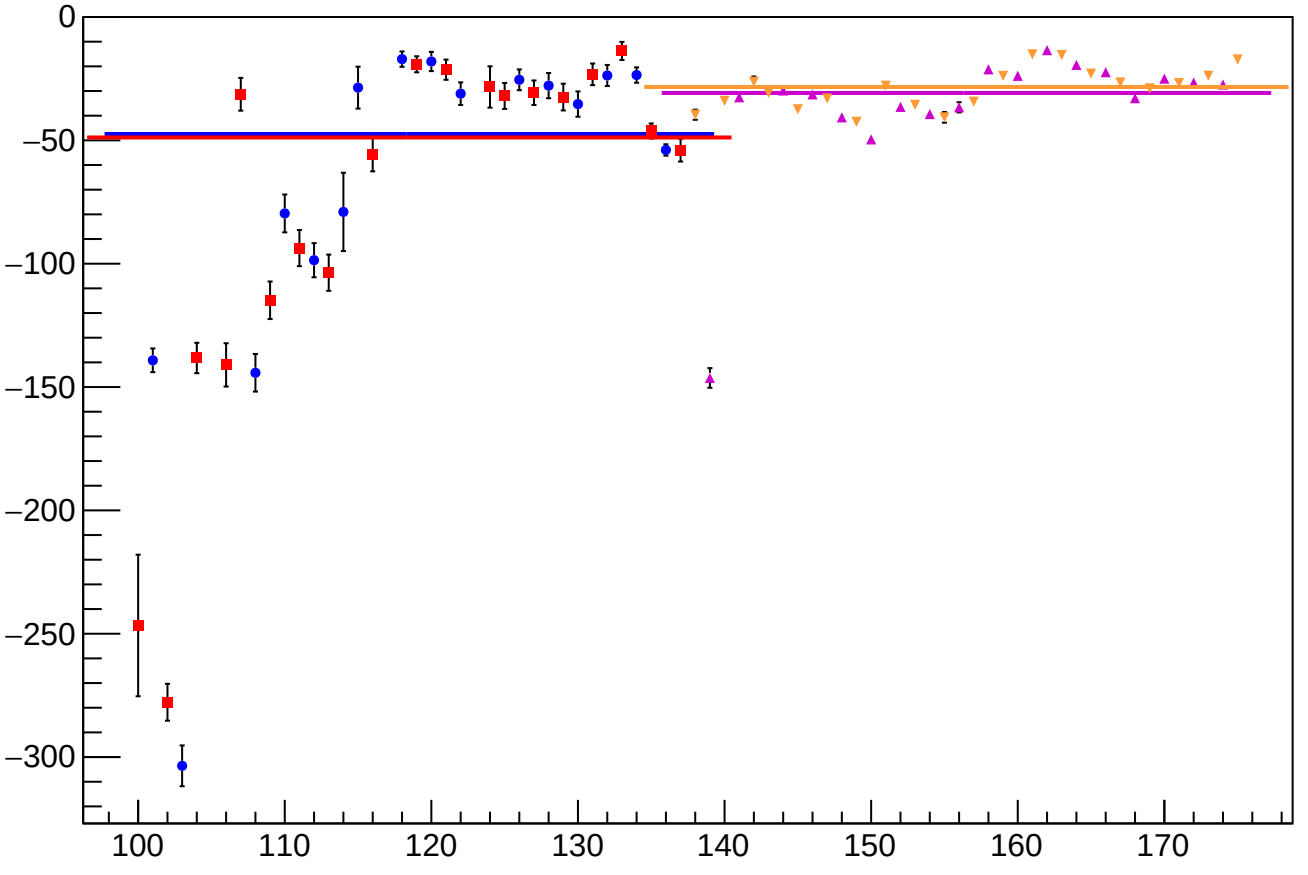
Left In: -43.262+/-0.534 χ^2/NDF:474.7/17

+ sign -42.204+/-0.457 χ^2/NDF: 868.5/35

All: -41.395+/-0.332 χ^2/NDF: 1912.7/72

- sign -40.490+/-0.483 χ^2/NDF: 1037.6/36

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -28.367+/-0.370 χ^2/NDF:438.5/19

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

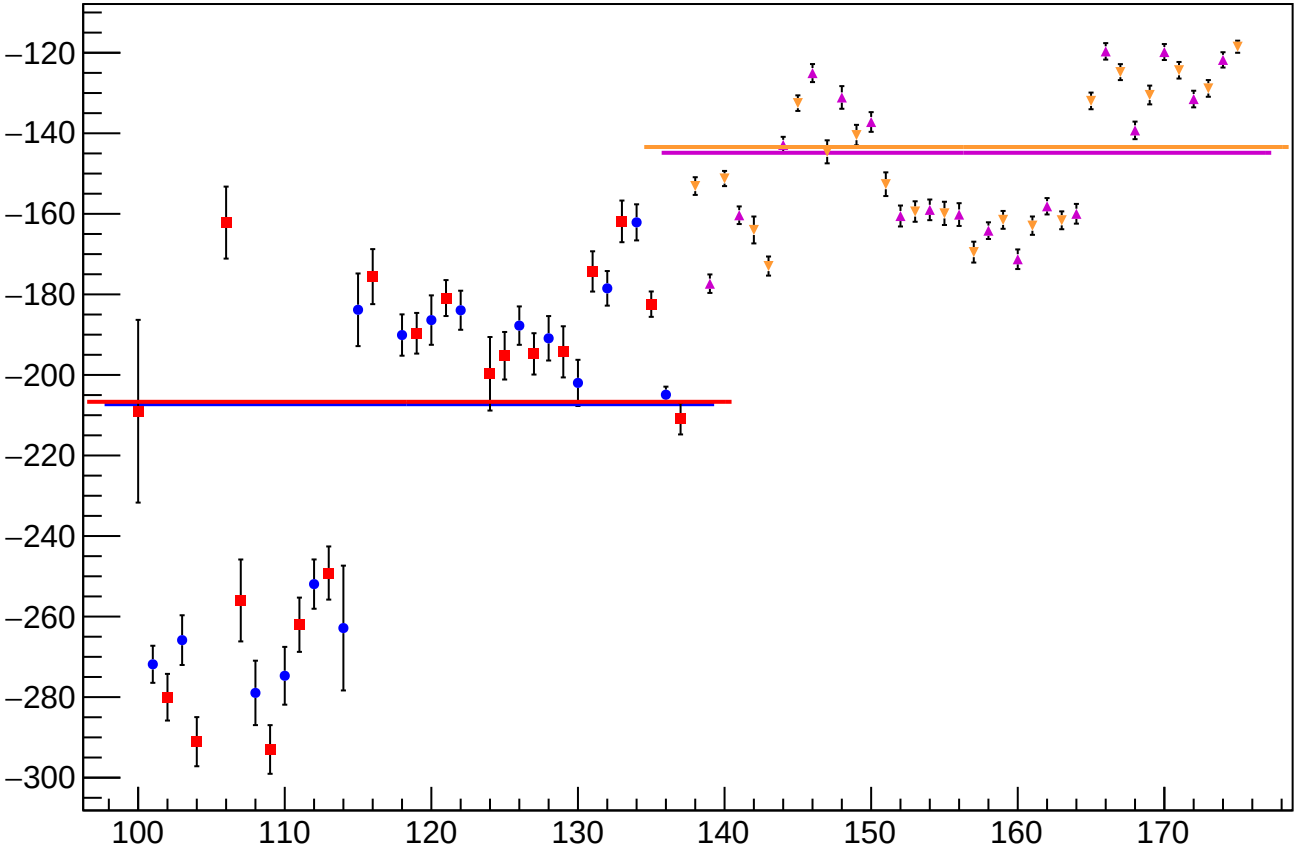
Left In: -30.787+/-0.390 χ^2/NDF:1303.6/17

+ sign -30.301+/-0.351 χ^2/NDF: 2581.1/35

All: -31.368+/-0.255 χ^2/NDF: 5888.9/72

- sign -32.559+/-0.371 χ^2/NDF: 3288.2/36

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -143.403+/-0.499 χ^2/NDF:1212.3/19

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

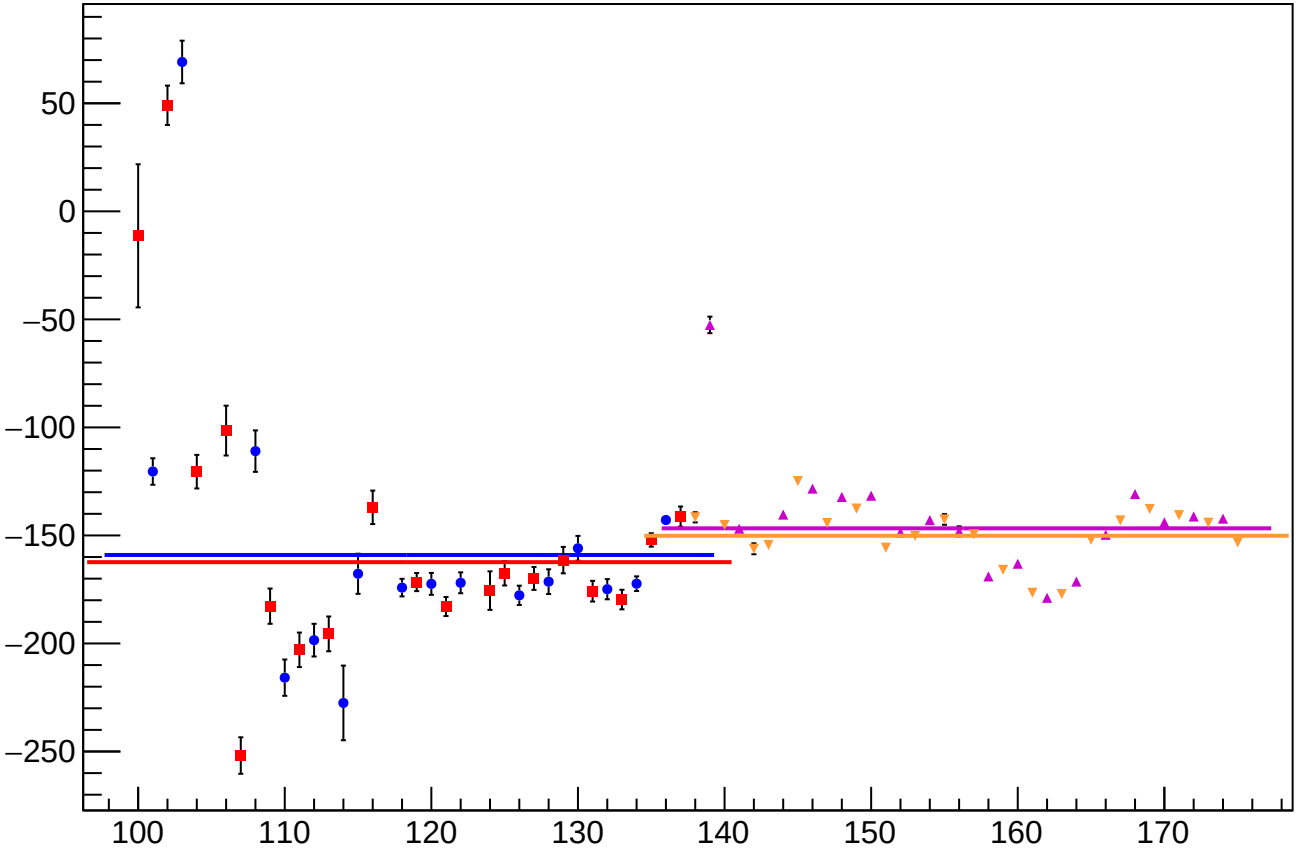
Left In: -144.840+/-0.528 χ^2/NDF:1251.5/17

+ sign -153.106+/-0.459 χ^2/NDF: 4451.9/35

All: -153.447+/-0.334 χ^2/NDF: 8670.0/72

- sign -153.830+/-0.488 χ^2/NDF: 4216.9/36

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -150.152+/-0.419 χ^2/NDF:987.6/19

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

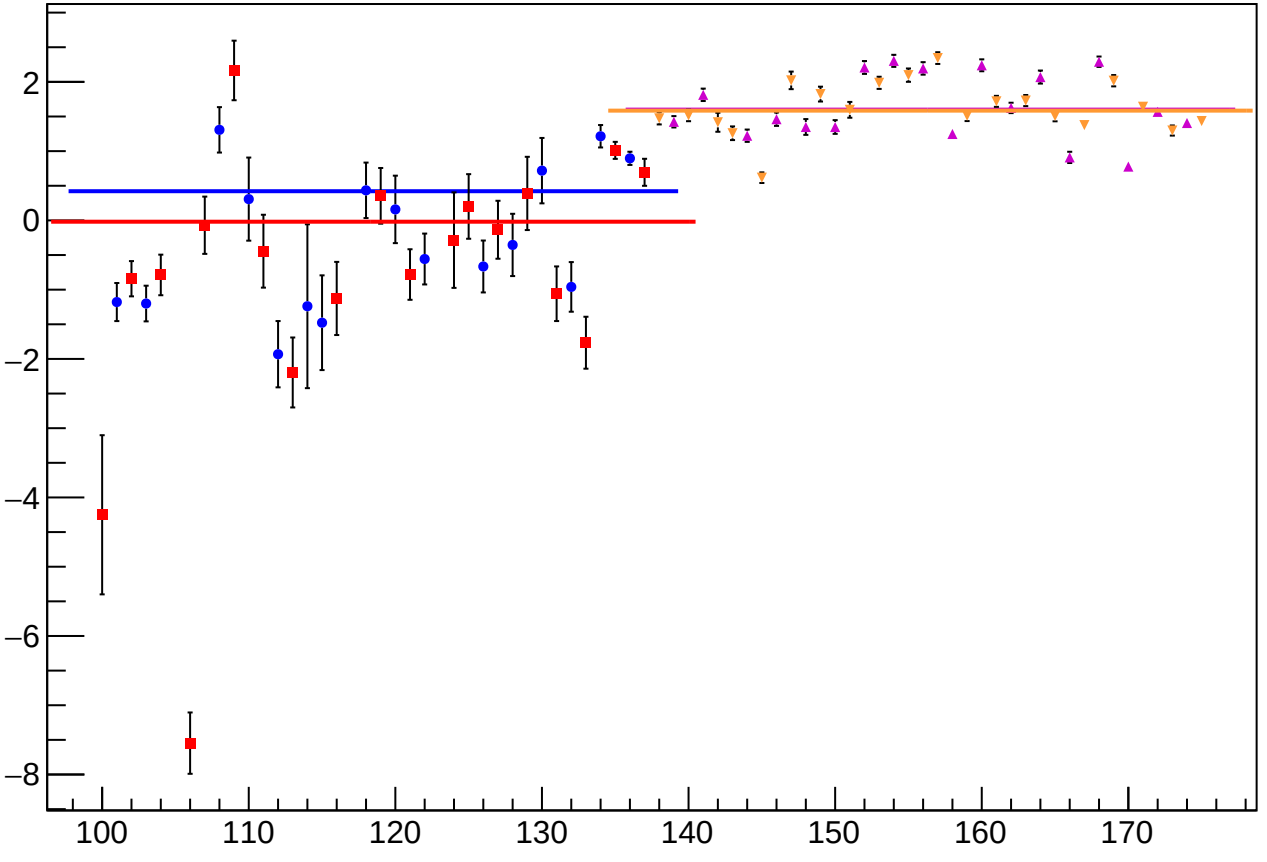
Left In: -146.715+/-0.441 χ^2/NDF:1710.2/17

+ sign -151.082+/-0.396 χ^2/NDF: 1850.5/35

All: -149.759+/-0.288 χ^2/NDF: 4582.8/72

- sign -148.281+/-0.419 χ^2/NDF: 2708.6/36

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.585+/-0.019 χ^2/NDF:385.2/19

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

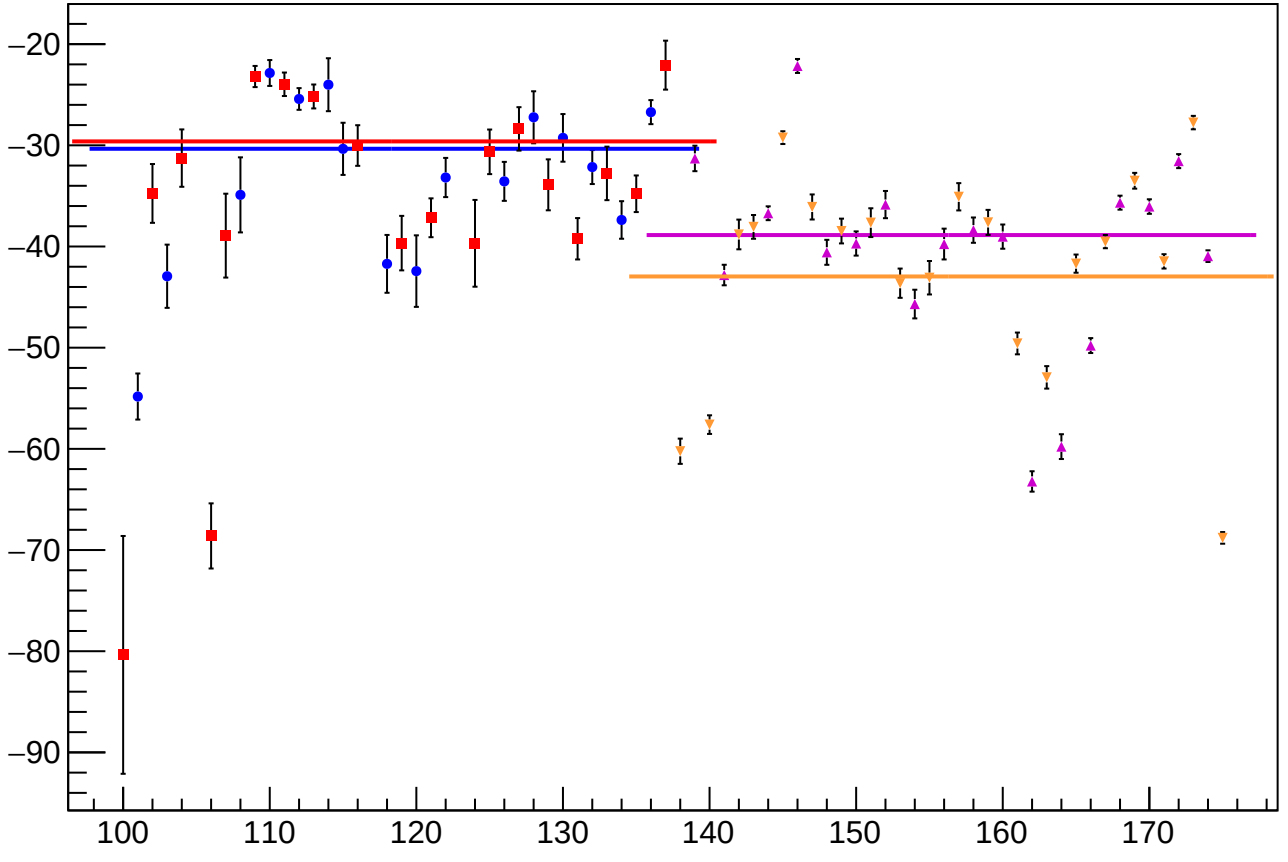
Left In: 1.599+/-0.019 χ^2/NDF:607.0/17

\+ sign 1.494+/-0.018 χ^2/NDF: 879.7/35

All: 1.492+/-0.013 χ^2/NDF: 2441.8/72

\- sign 1.490+/-0.019 χ^2/NDF: 1562.1/36

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -42.962+/-0.206 χ^2/NDF:3886.5/19

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

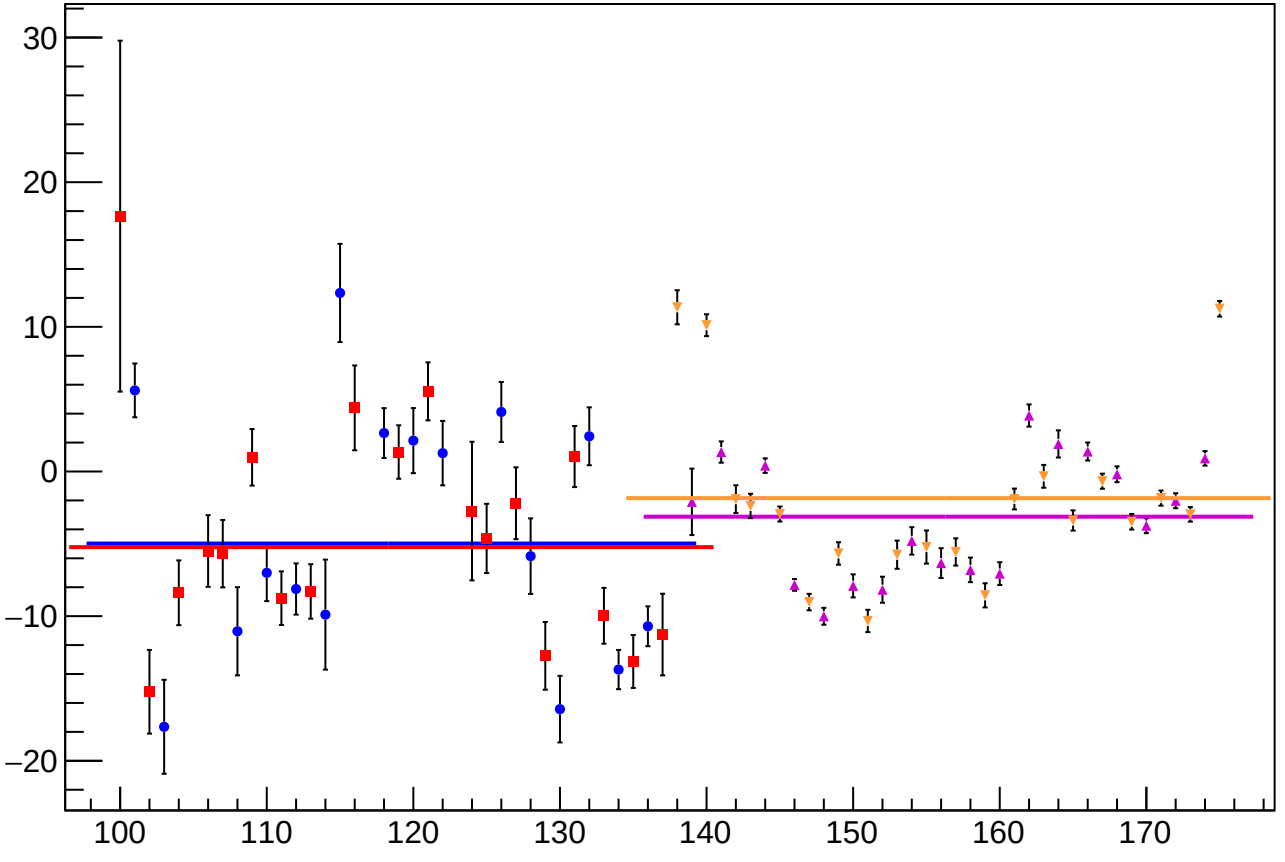
Left In: -38.869+/-0.210 χ^2/NDF:1932.5/17

+ sign -40.910+/-0.189 χ^2/NDF: 4749.5/35

All: -39.080+/-0.134 χ^2/NDF: 7547.9/72

- sign -37.213+/-0.191 χ^2/NDF: 2608.4/36

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -1.840+/-0.152 χ^2/NDF:1401.7/19

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

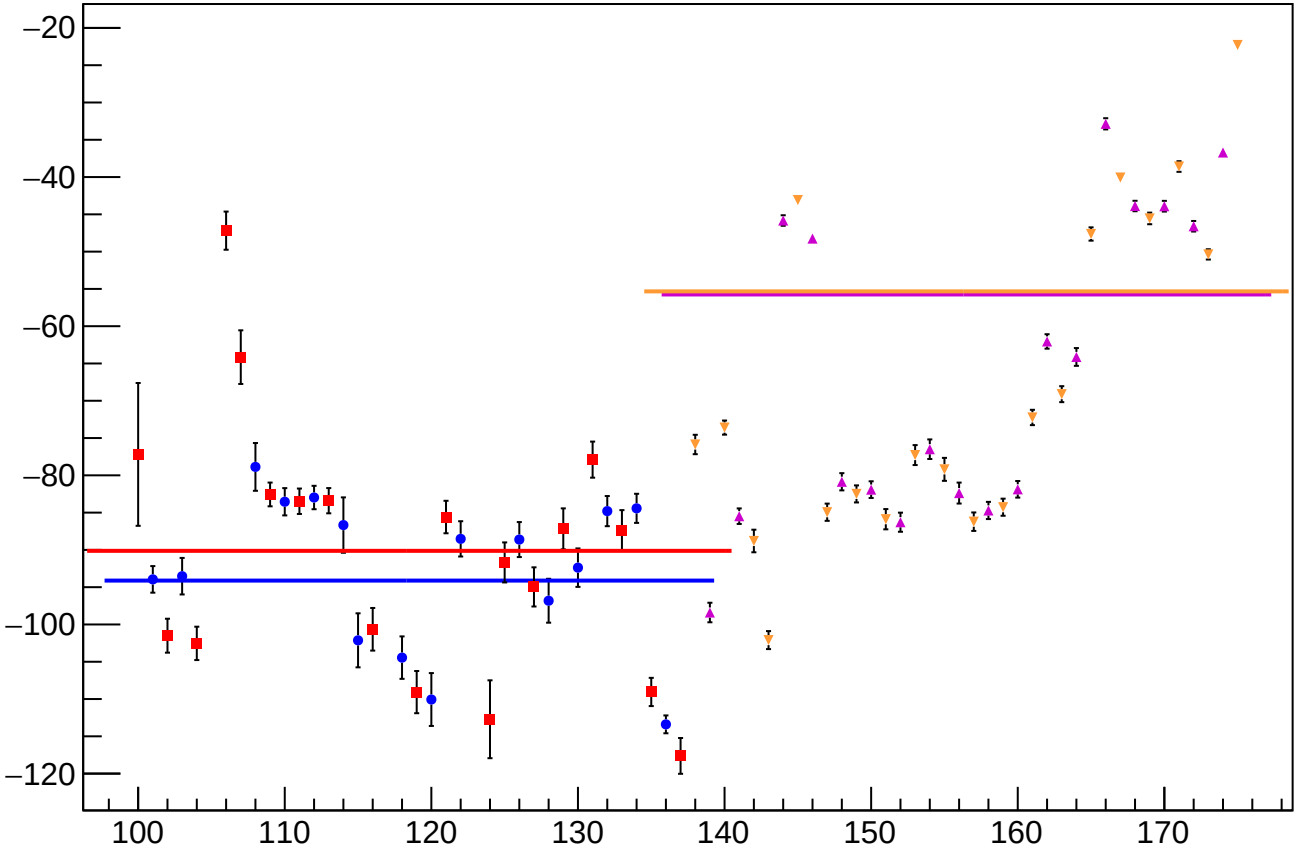
Left In: -3.125+/-0.152 χ^2/NDF:748.7/17

+ sign -2.097+/-0.146 χ^2/NDF: 1673.8/35

All: -2.691+/-0.103 χ^2/NDF: 2607.2/72

- sign -3.289+/-0.146 χ^2/NDF: 900.1/36

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -55.331+/-0.206 χ^2/NDF:11530.1/19

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

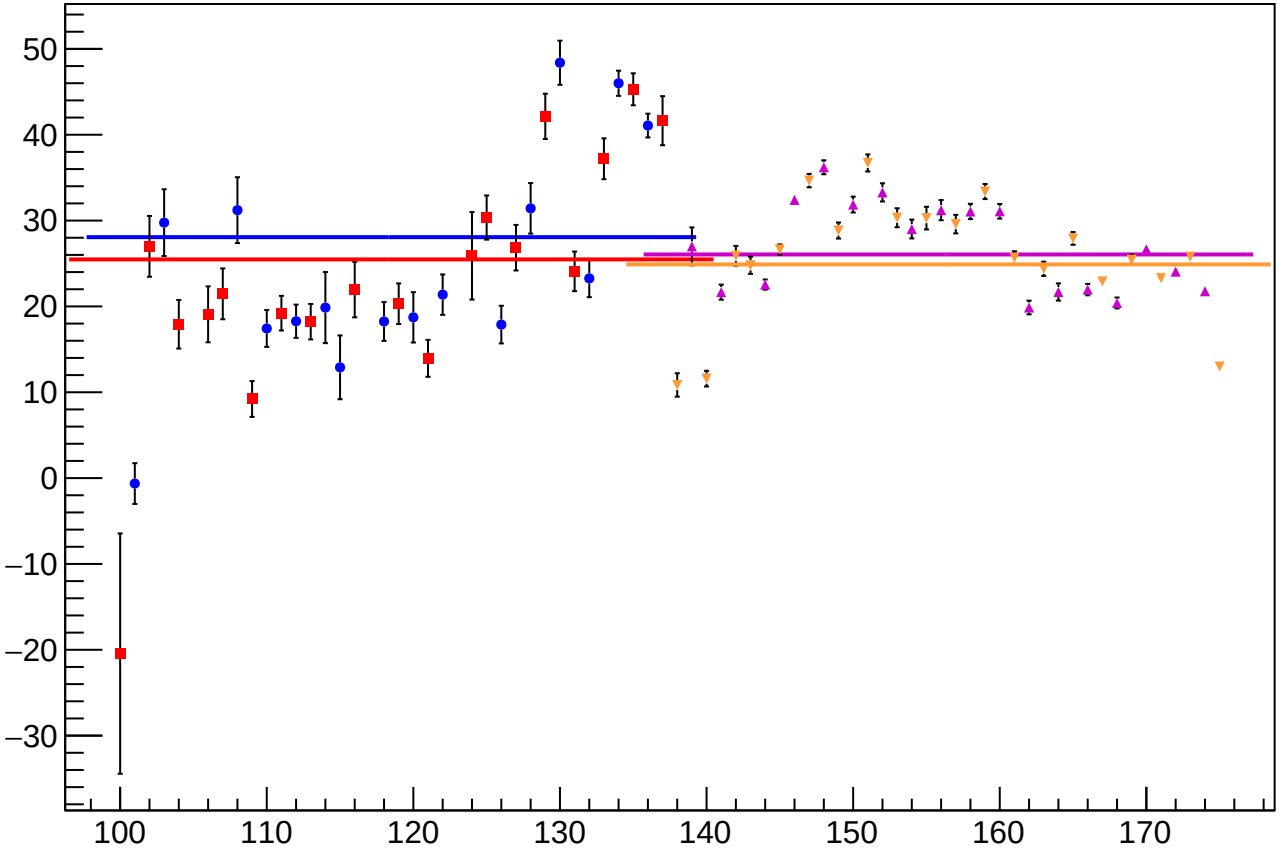
Left In: -55.745+/-0.210 χ^2/NDF:8257.2/17

+ sign -60.288+/-0.192 χ^2/NDF: 16546.0/35

All: -60.256+/-0.137 χ^2/NDF: 29080.5/72

- sign -60.222+/-0.196 χ^2/NDF: 12534.4/36

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 24.890+/-0.172 χ^2/NDF:1279.5/19

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

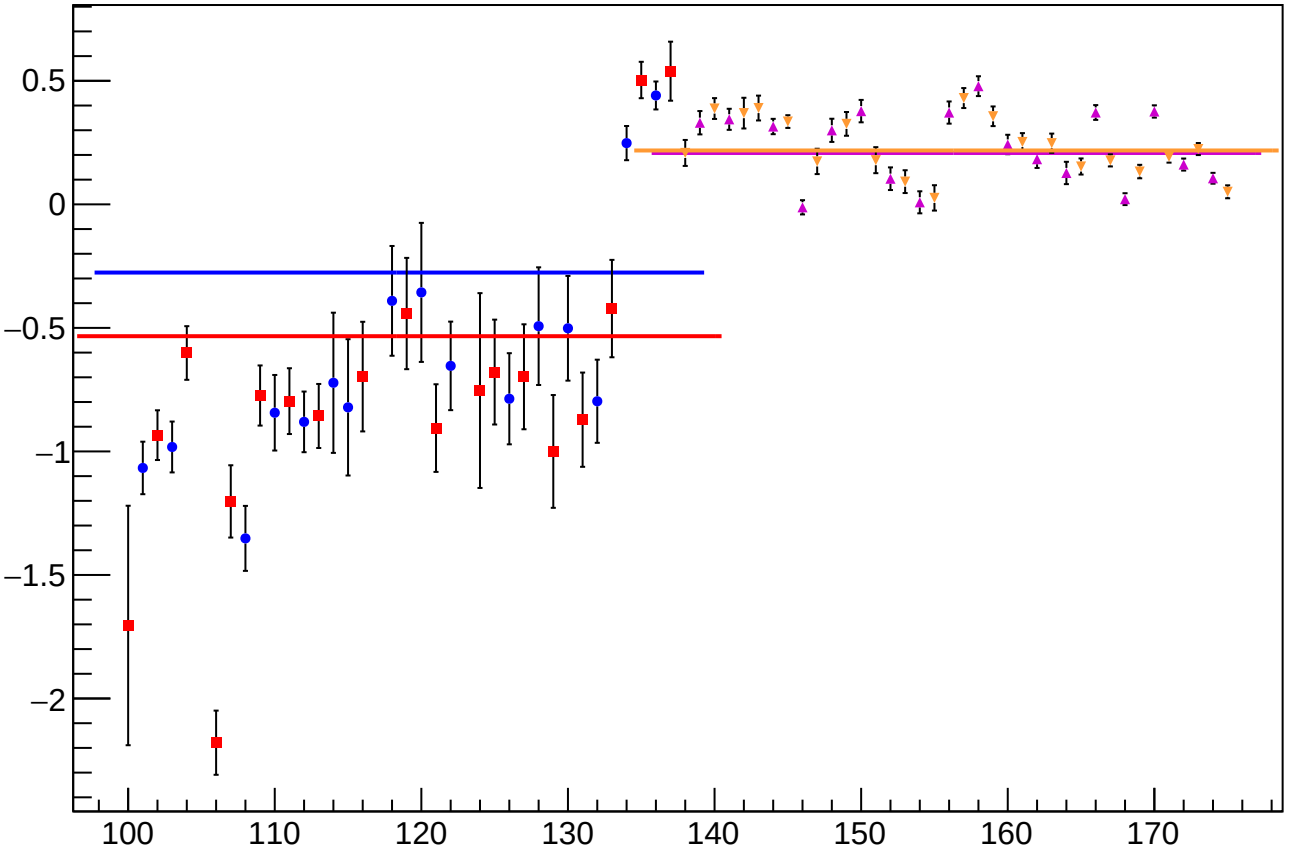
Left In: 26.053+/-0.174 χ^2/NDF:825.8/17

+ sign 25.155+/-0.164 χ^2/NDF: 1891.2/35

All: 25.574+/-0.117 χ^2/NDF: 3085.8/72

- sign 26.007+/-0.167 χ^2/NDF: 1181.3/36

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.218+/-0.008 χ^2/NDF:181.7/19

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

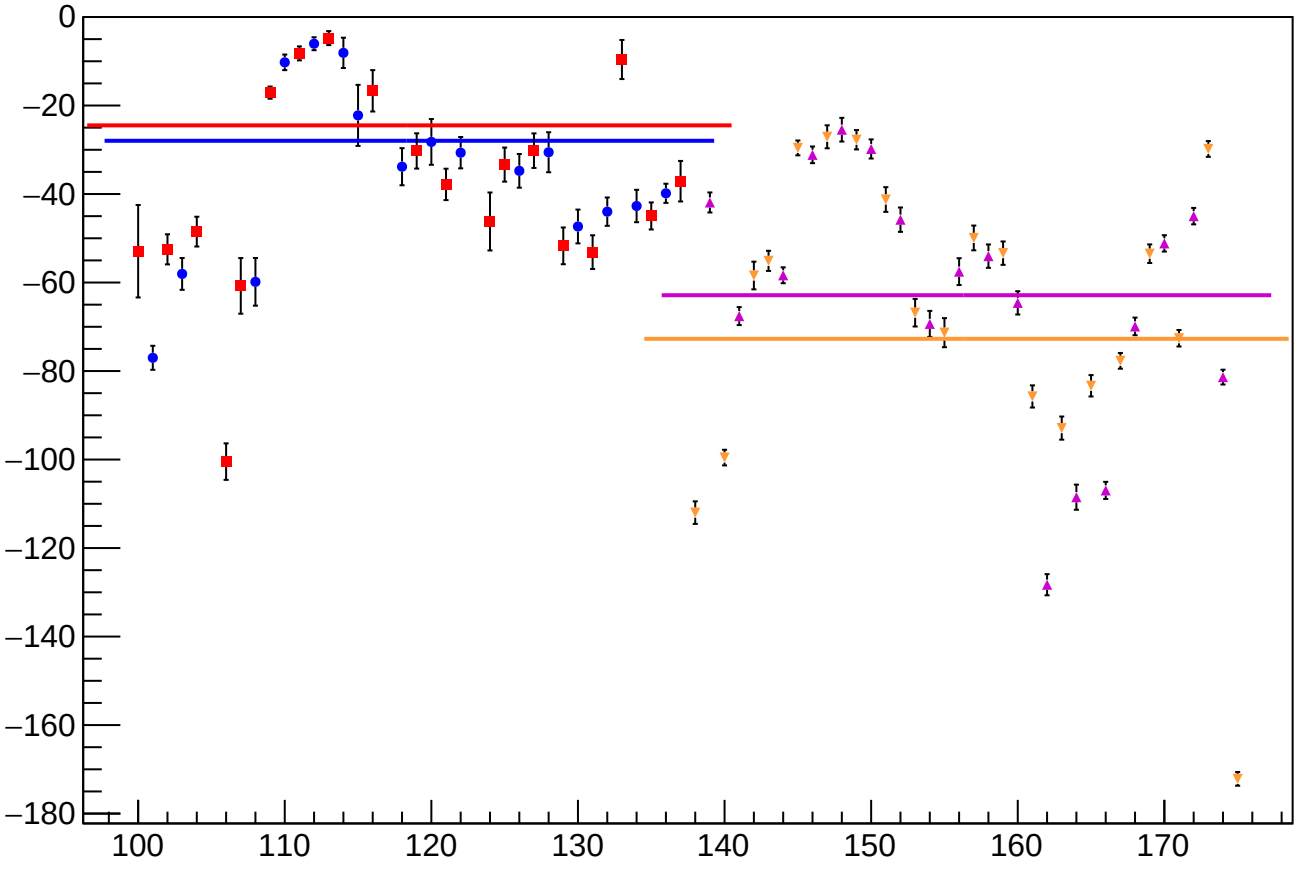
Left In: 0.208+/-0.008 χ^2/NDF:354.5/17

+ sign 0.188+/-0.008 χ^2/NDF: 881.7/35

All: 0.178+/-0.005 χ^2/NDF: 2232.5/72

- sign 0.168+/-0.008 χ^2/NDF: 1347.3/36

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -72.717+/-0.493 χ^2/NDF:7106.6/19

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

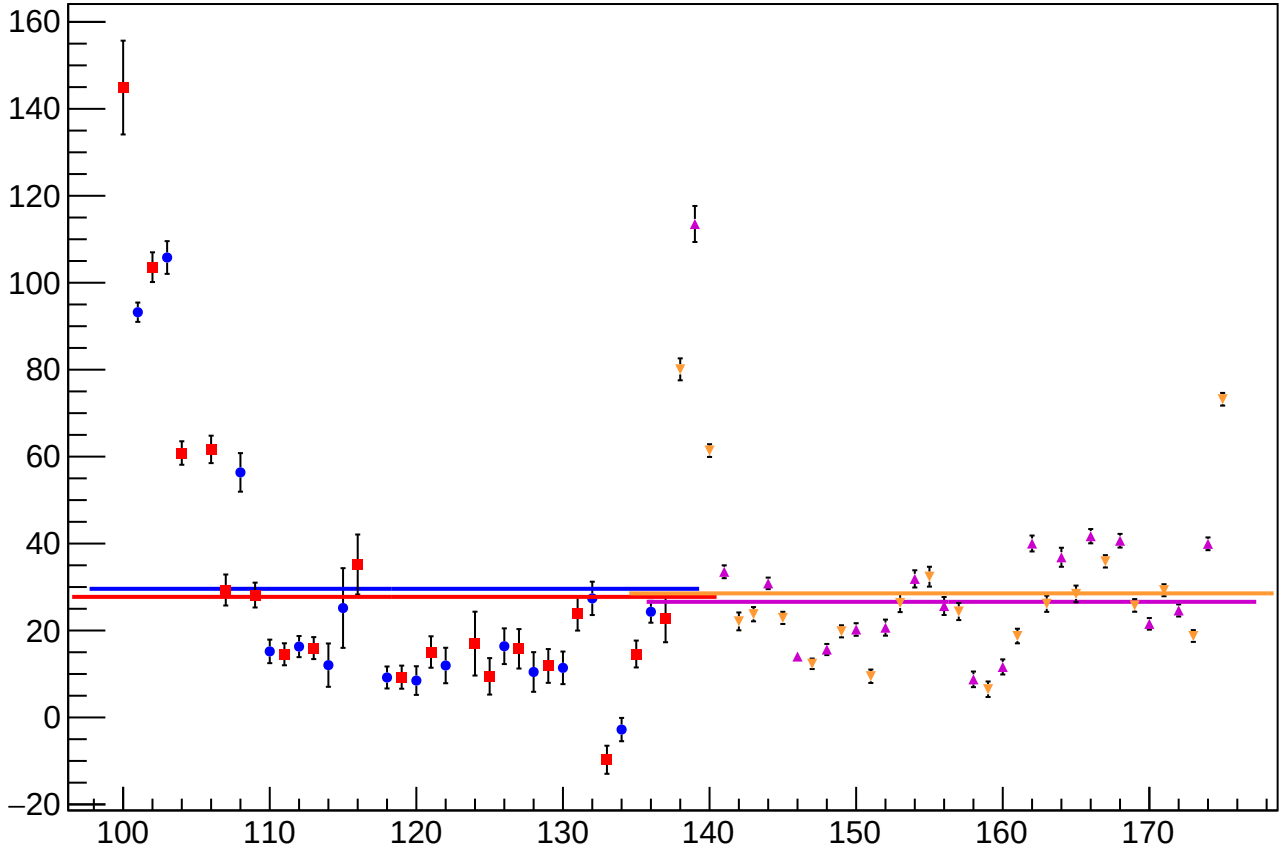
Left In: -62.864+/-0.514 χ^2/NDF:2665.2/17

+ sign -58.641+/-0.408 χ^2/NDF: 10594.1/35

All: -53.525+/-0.288 χ^2/NDF: 16655.8/72

- sign -48.459+/-0.406 χ^2/NDF: 5749.0/36

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 28.545+/-0.359 χ^2/NDF:2538.6/19

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

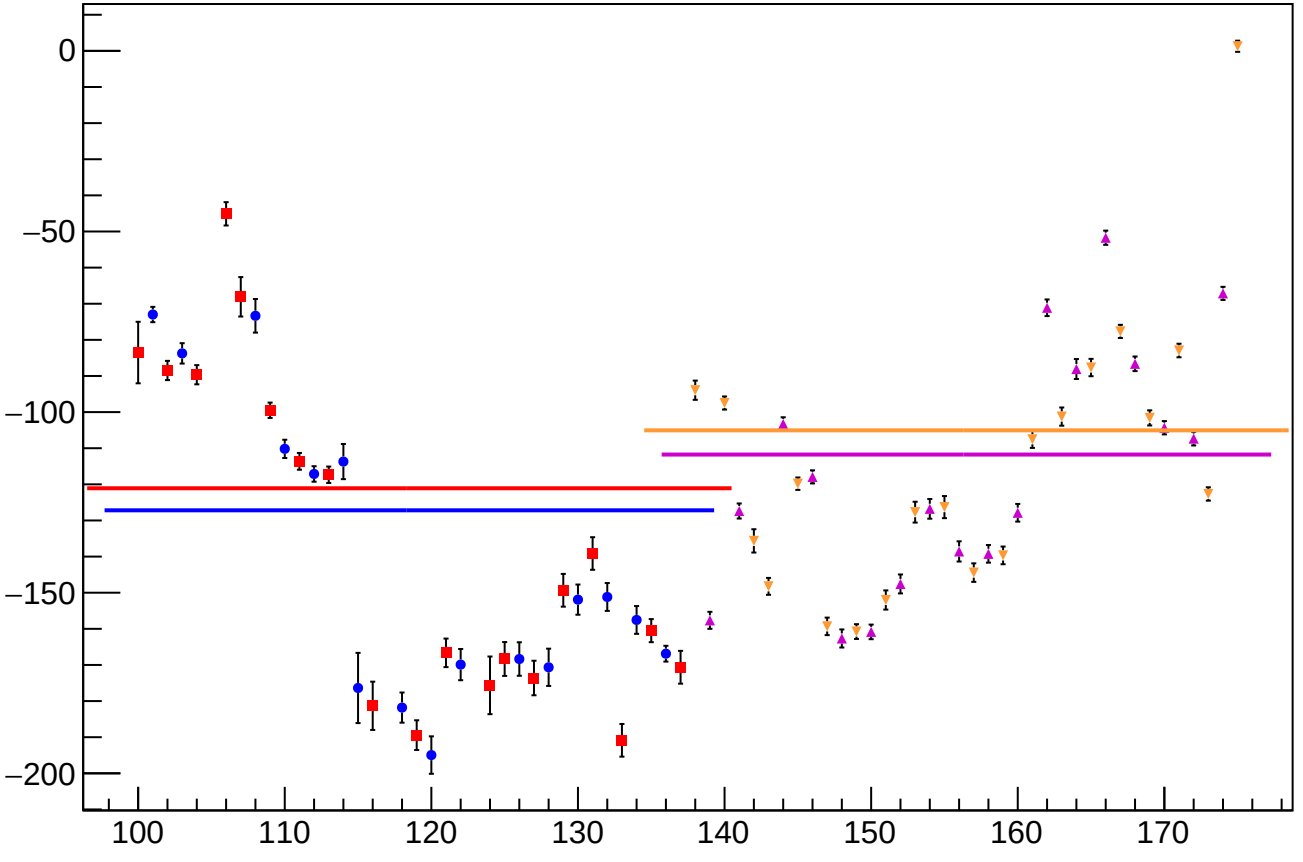
Left In: 26.595+/-0.374 χ^2/NDF:1213.9/17

\+ sign 28.718+/-0.328 χ^2/NDF: 4205.7/35

All: 27.789+/-0.236 χ^2/NDF: 6622.9/72

\- sign 26.801+/-0.338 χ^2/NDF: 2400.6/36

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -105.050+/-0.489 χ^2/NDF:7895.0/19

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

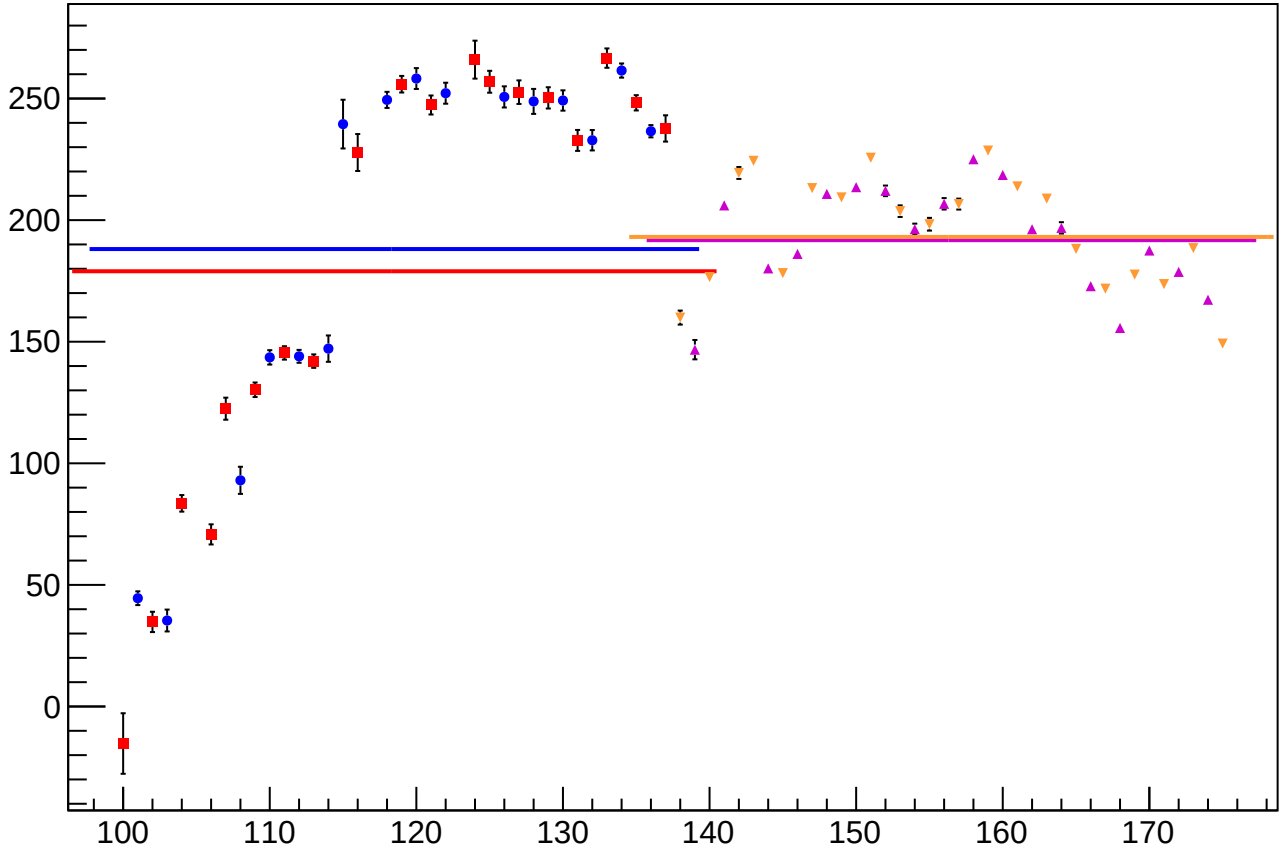
Left In: -111.750+/-0.509 χ^2/NDF:4048.2/17

+ sign -110.756+/-0.421 χ^2/NDF: 10602.1/35

All: -112.569+/-0.301 χ^2/NDF: 17182.8/72

- sign -114.454+/-0.429 χ^2/NDF: 6542.8/36

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 193.089+/-0.409 χ^2/NDF:3091.3/19

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

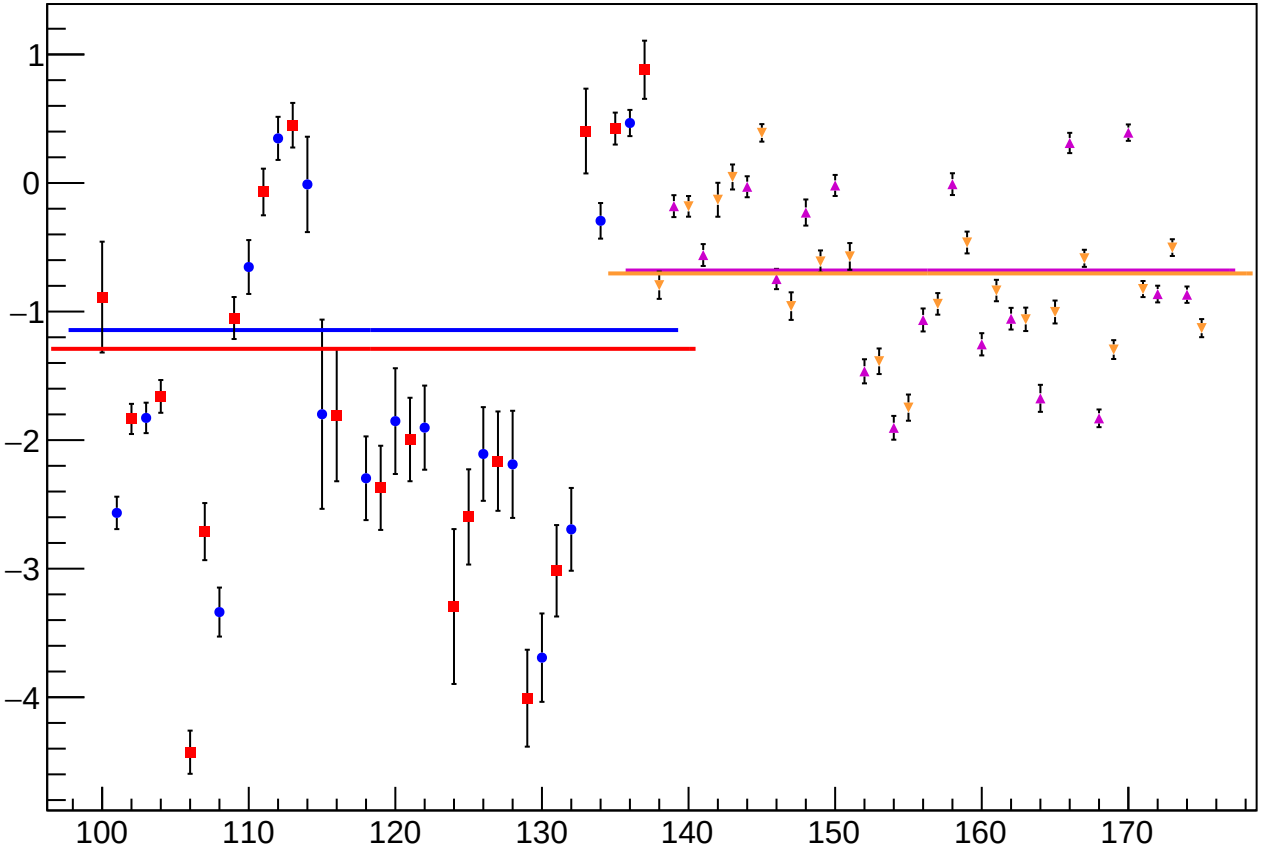
Left In: 191.756+/-0.426 χ^2/NDF:2042.8/17

+ sign 192.264+/-0.374 χ^2/NDF: 10234.5/35

All: 190.902+/-0.268 χ^2/NDF: 19136.0/72

- sign 189.454+/-0.385 χ^2/NDF: 8874.1/36

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.703+/-0.019 χ^2/NDF:702.6/19

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

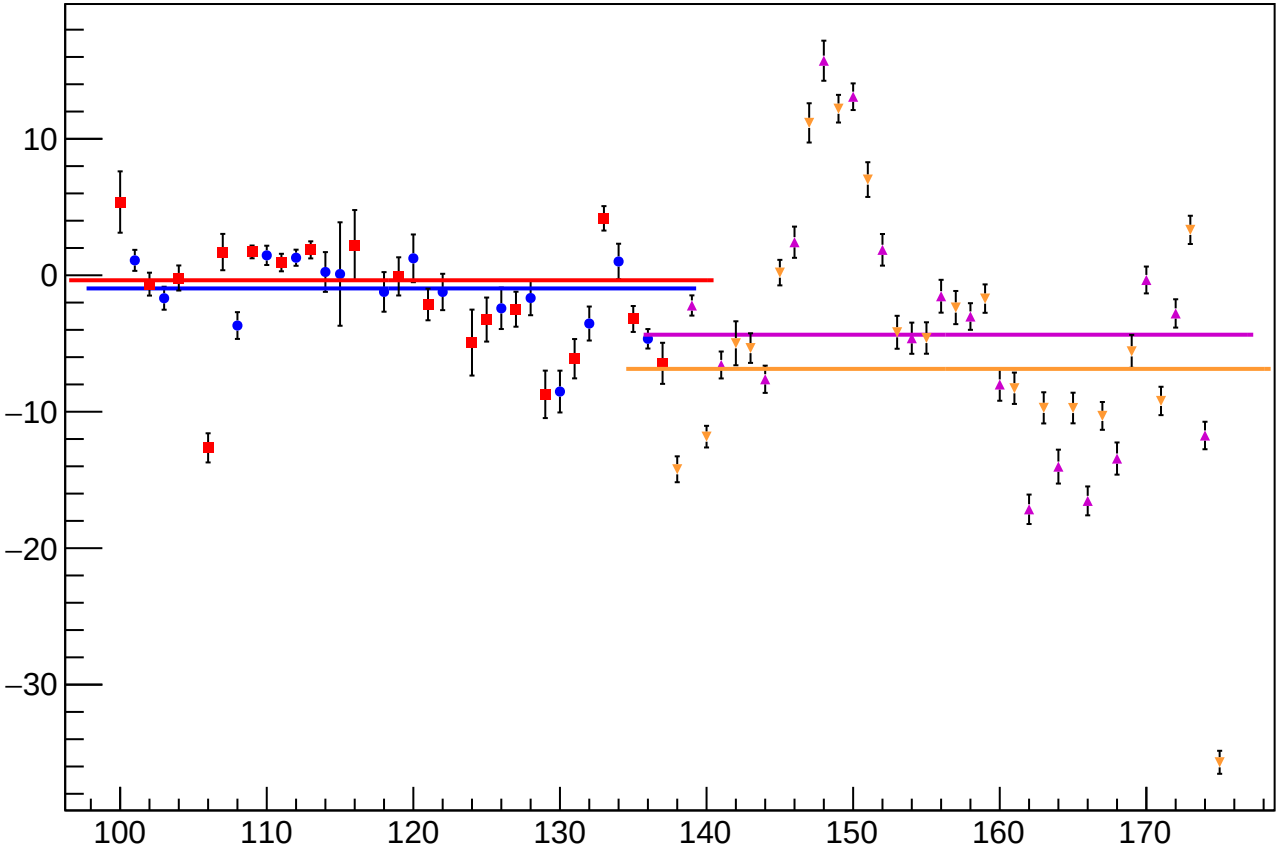
Left In: -0.681+/-0.019 χ^2/NDF:1402.7/17

+ sign -0.761+/-0.017 χ^2/NDF: 1563.2/35

All: -0.762+/-0.012 χ^2/NDF: 4106.4/72

- sign -0.764+/-0.018 χ^2/NDF: 2543.2/36

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -6.860+/-0.240 χ^2/NDF:2134.3/19

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

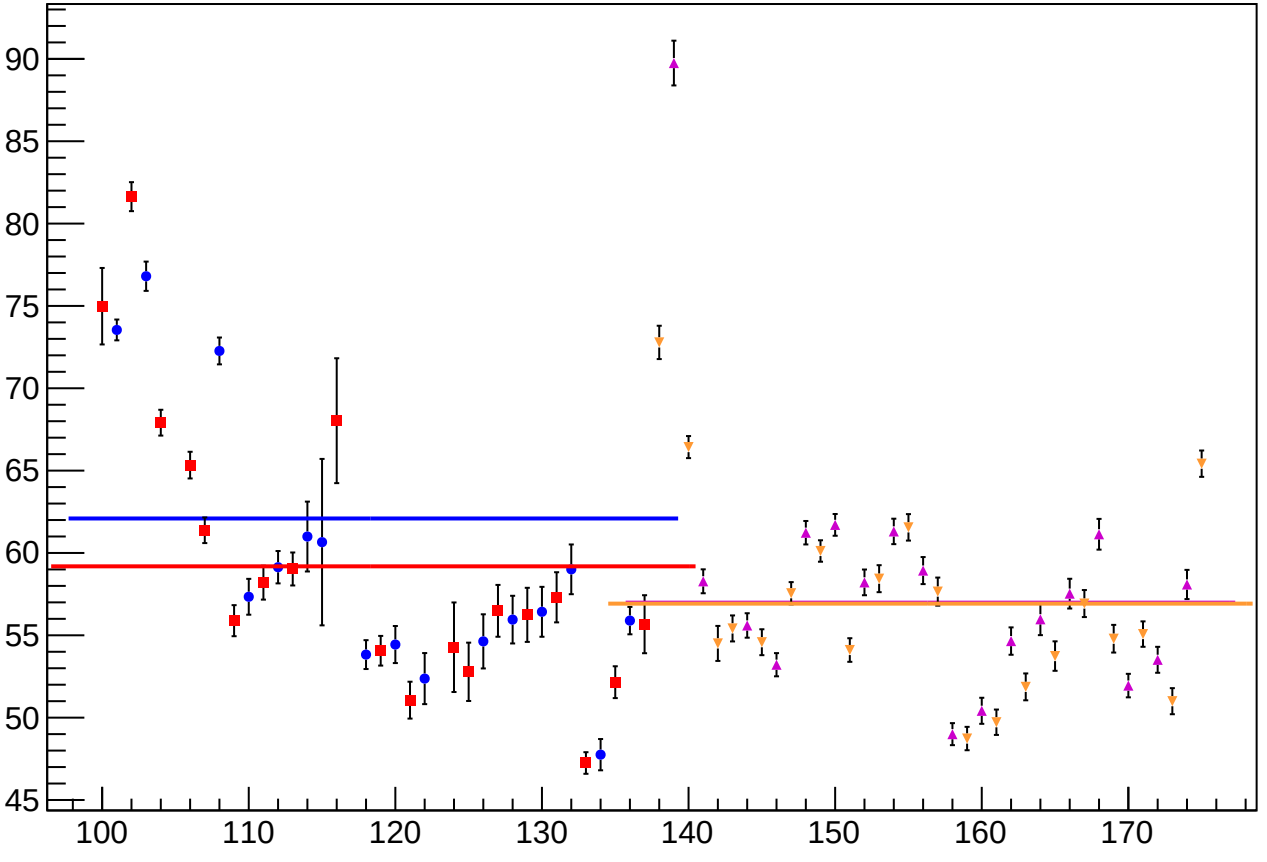
Left In: -4.355+/-0.249 χ^2/NDF:1075.9/17

+ sign -4.075+/-0.174 χ^2/NDF: 2523.6/35

All: -3.068+/-0.120 χ^2/NDF: 4086.2/72

- sign -2.148+/-0.166 χ^2/NDF: 1498.6/36

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 56.923+/-0.176 χ^2/NDF:995.4/19

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

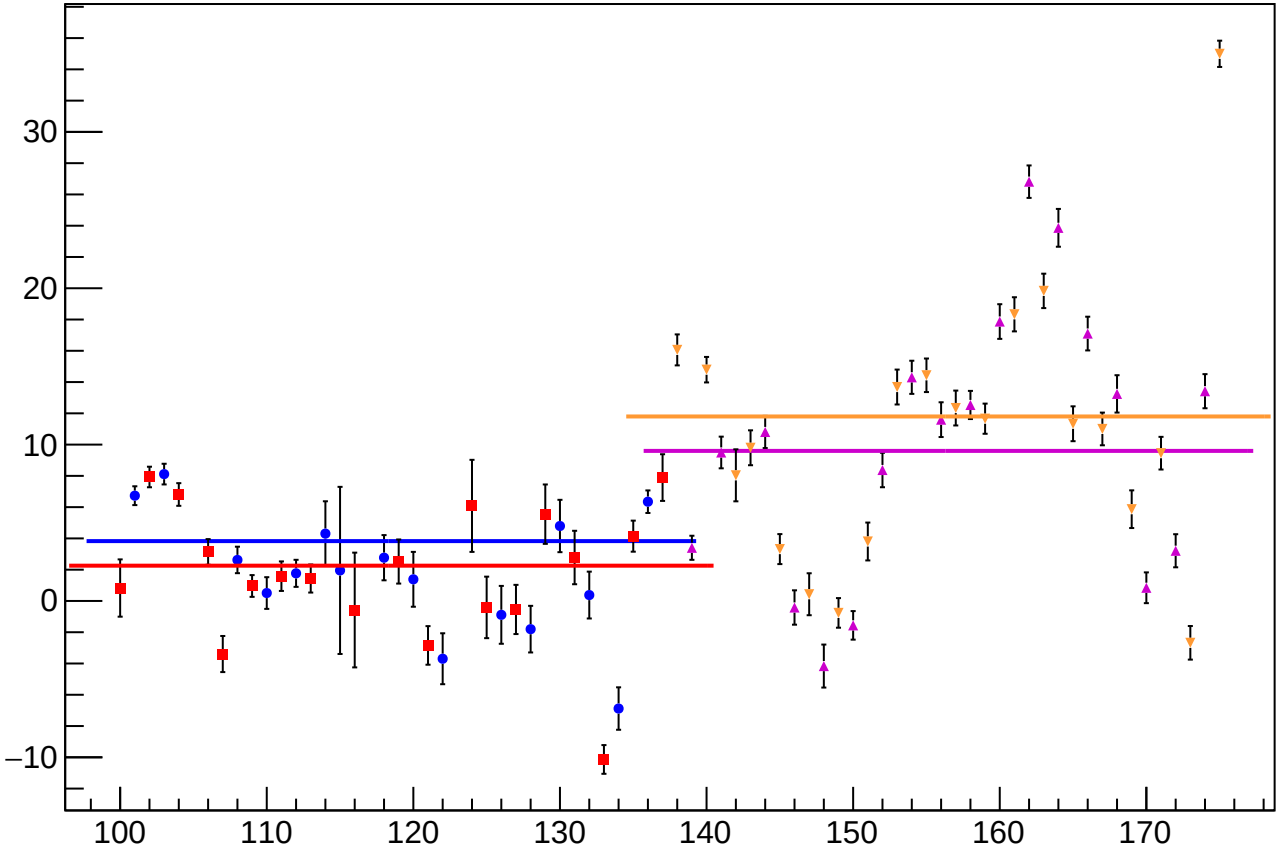
Left In: 56.983+/-0.186 χ^2/NDF:1054.0/17

+ sign 58.499+/-0.147 χ^2/NDF: 2560.6/35

All: 58.150+/-0.104 χ^2/NDF: 5079.9/72

- sign 57.794+/-0.148 χ^2/NDF: 2507.9/36

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 11.799+/-0.236 χ^2/NDF:1480.9/19

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

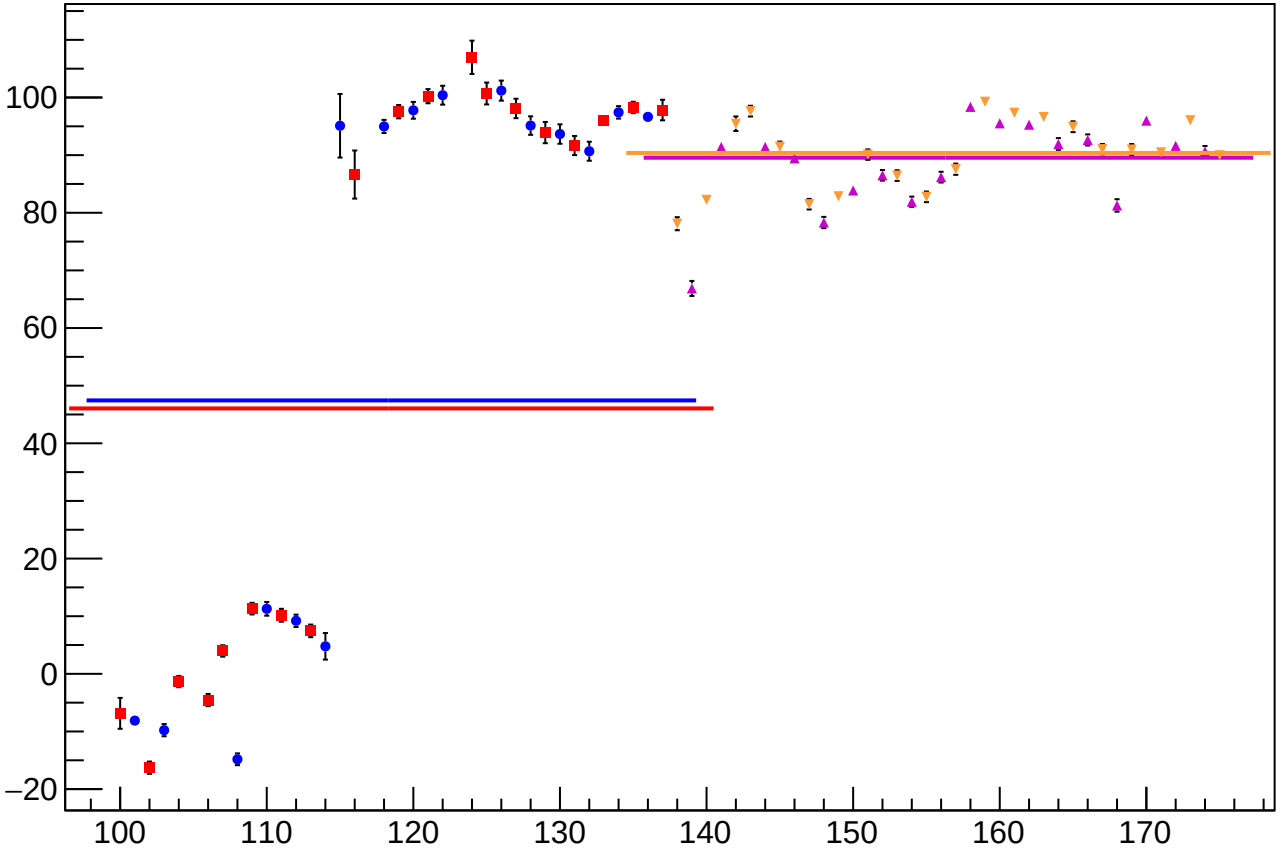
Left In: 9.598+/-0.245 χ^2/NDF:1089.4/17

\+ sign 8.277+/-0.176 χ^2/NDF: 2193.5/35

All: 7.096+/-0.124 χ^2/NDF: 4189.4/72

\- sign 5.950+/-0.174 χ^2/NDF: 1907.6/36

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 90.378+/-0.199 χ^2/NDF:917.6/19

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

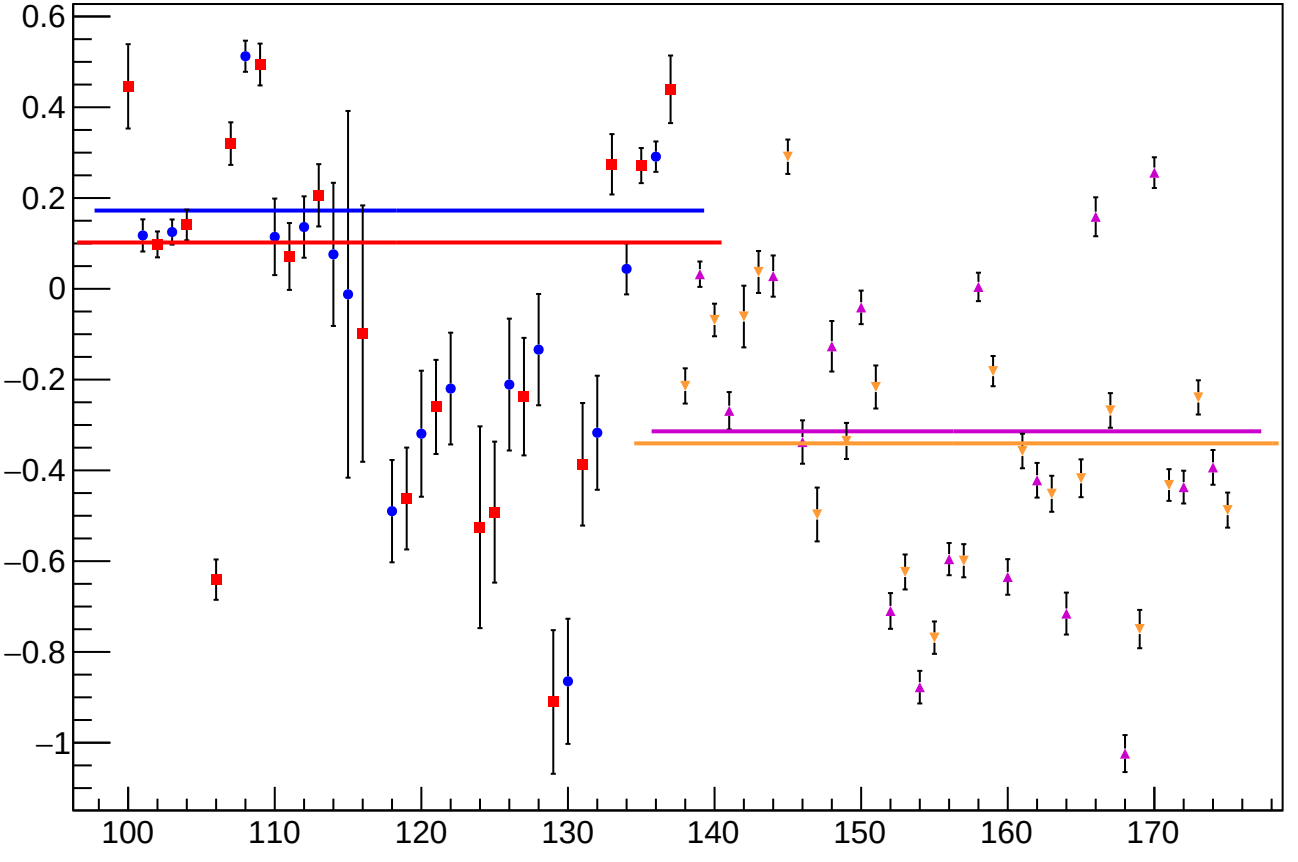
Left In: 89.550+/-0.210 χ^2/NDF:998.2/17

\+ sign 77.704+/-0.167 χ^2/NDF: 41495.1/35

All: 75.989+/-0.119 χ^2/NDF: 86760.8/72

\- sign 74.246+/-0.169 χ^2/NDF: 45053.9/36

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.340+/-0.009 χ^2/NDF:852.2/19

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

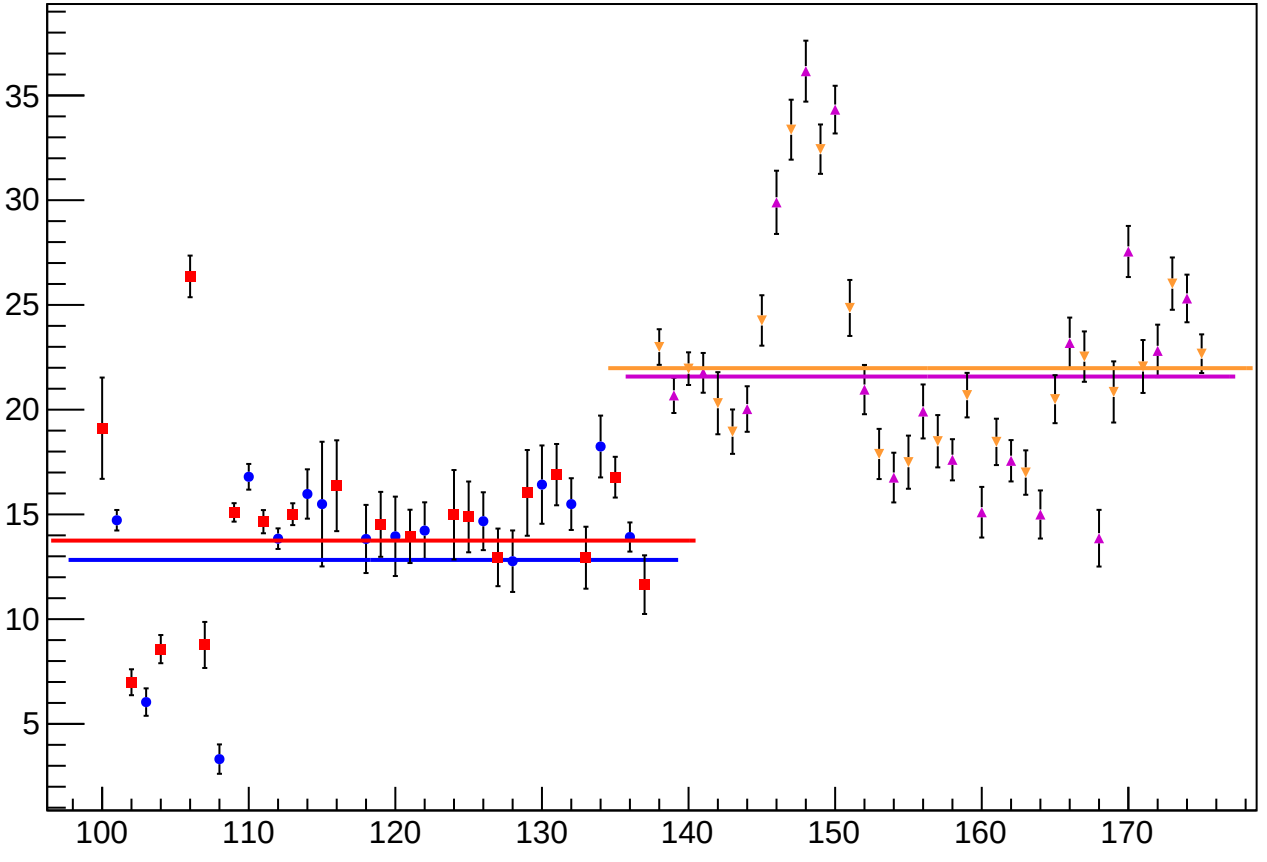
Left In: -0.314+/-0.009 χ^2/NDF:1664.5/17

+ sign -0.195+/-0.008 χ^2/NDF: 2058.9/35

All: -0.190+/-0.005 χ^2/NDF: 4943.6/72

- sign -0.185+/-0.007 χ^2/NDF: 2883.9/36

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.981+/-0.252 χ^2/NDF:240.2/19

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

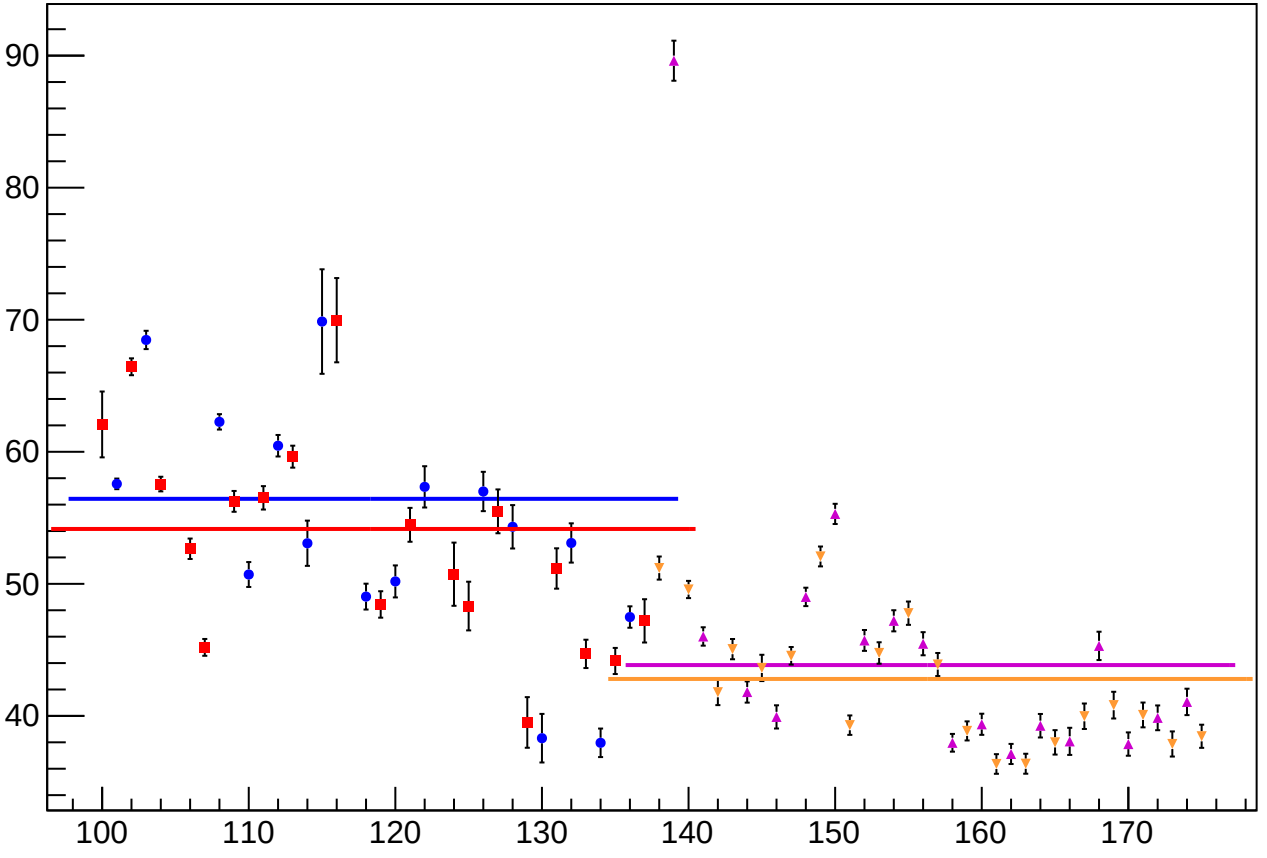
Left In: 21.581+/-0.268 χ^2/NDF:442.1/17

+ sign 16.663+/-0.163 χ^2/NDF: 1394.6/35

All: 16.643+/-0.115 χ^2/NDF: 2780.6/72

- sign 16.622+/-0.162 χ^2/NDF: 1385.9/36

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 42.798+/-0.184 χ^2/NDF:707.1/19

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

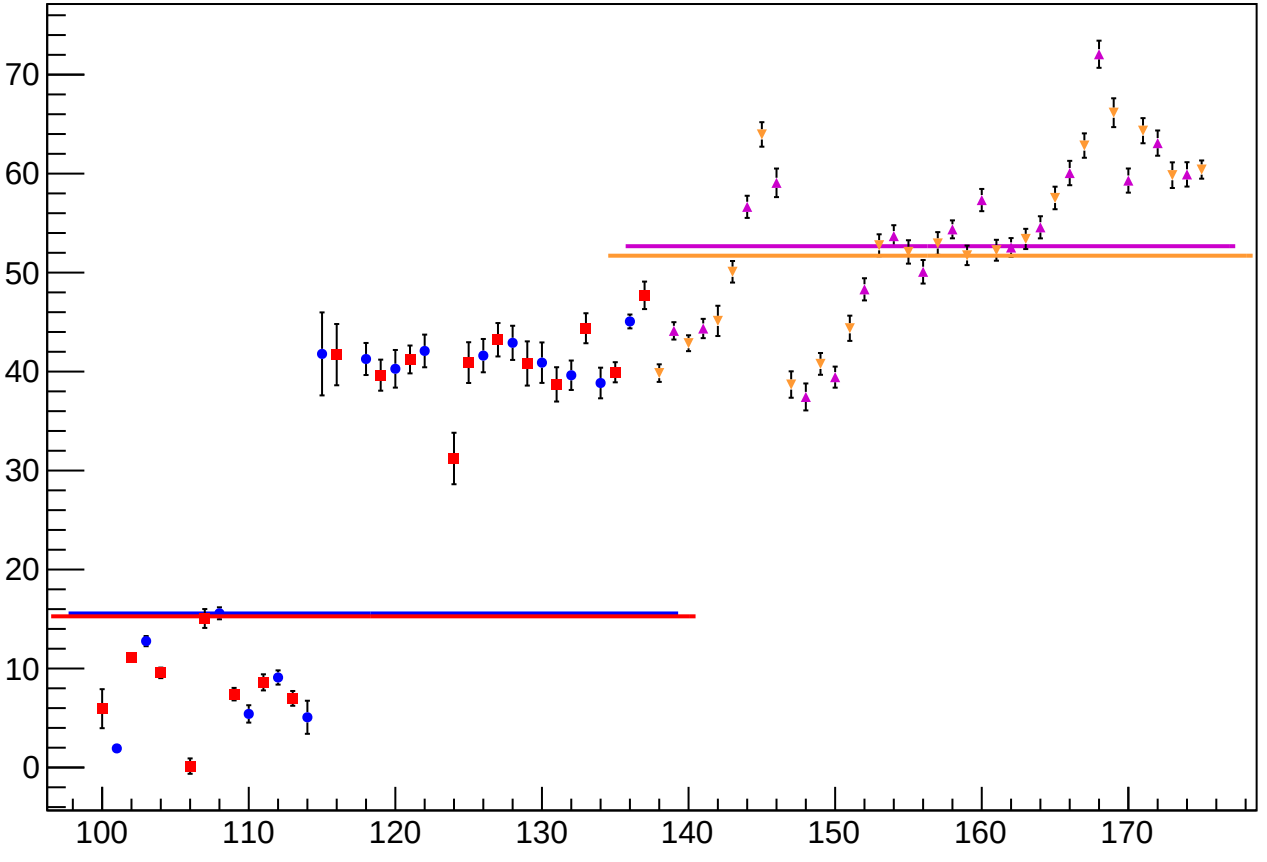
Left In: 43.850+/-0.198 χ^2/NDF:1569.3/17

+ sign 48.347+/-0.141 χ^2/NDF: 4038.0/35

All: 48.350+/-0.102 χ^2/NDF: 7800.5/72

- sign 48.352+/-0.148 χ^2/NDF: 3762.6/36

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 51.707+/-0.248 χ^2/NDF:1084.4/19

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

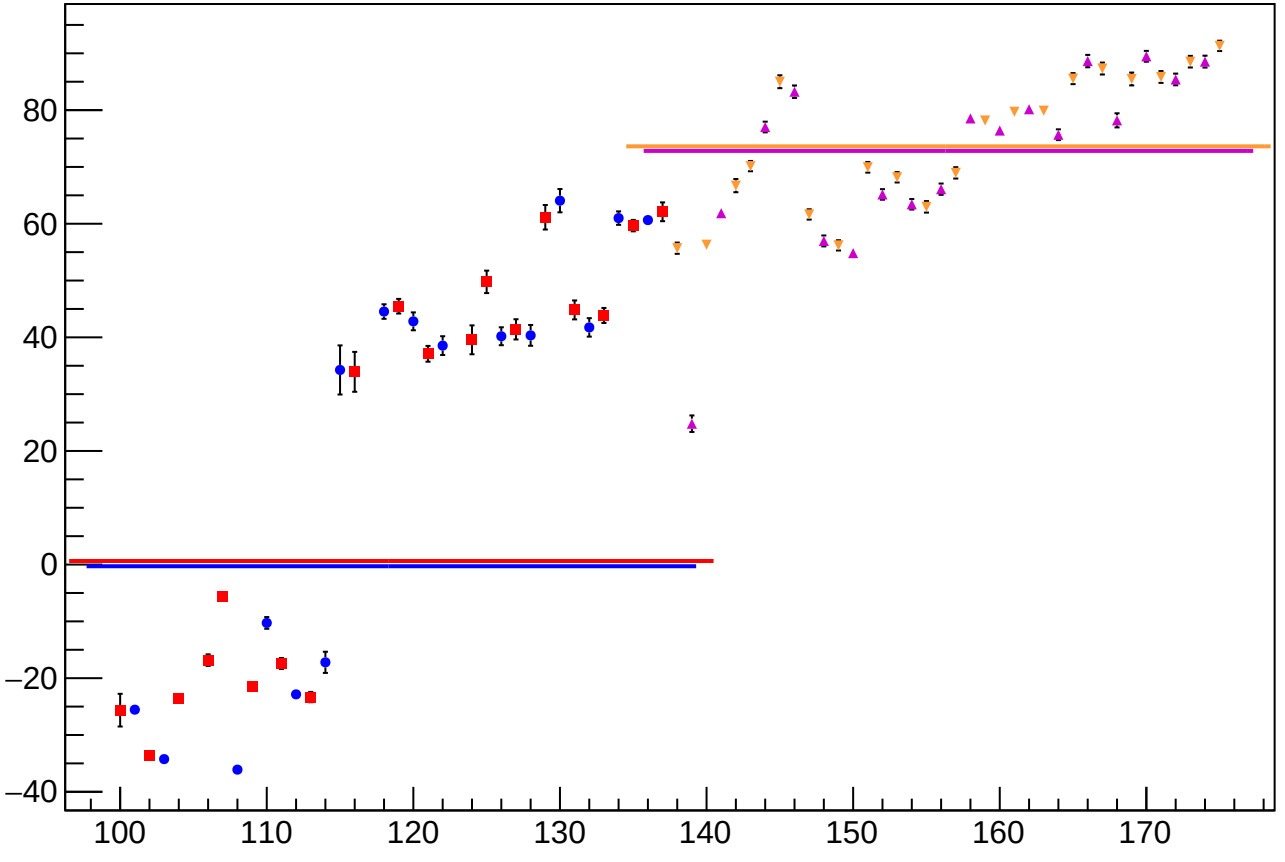
Left In: 52.667+/-0.263 χ^2/NDF:891.4/17

+ sign 30.971+/-0.162 χ^2/NDF: 18424.4/35

All: 30.786+/-0.117 χ^2/NDF: 35117.2/72

- sign 30.586+/-0.168 χ^2/NDF: 16690.1/36

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 73.624+/-0.209 χ^2/NDF:3007.2/19

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

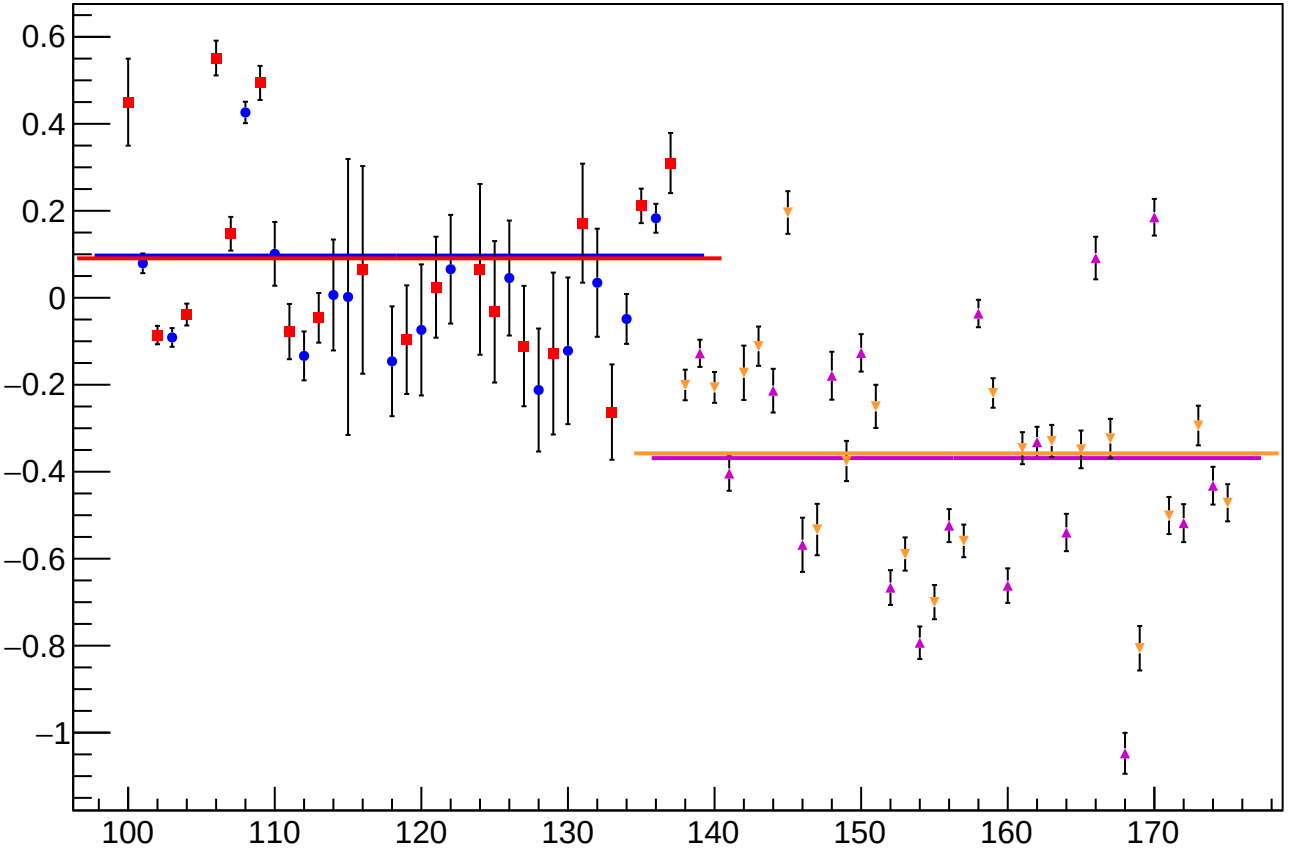
Left In: 72.822+/-0.223 χ^2/NDF:3360.0/17

+ sign 44.763+/-0.163 χ^2/NDF: 72783.5/35

All: 43.764+/-0.118 χ^2/NDF: 135926.6/72

- sign 42.677+/-0.170 χ^2/NDF: 63065.0/36

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.358+/-0.009 χ^2/NDF:474.4/19

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

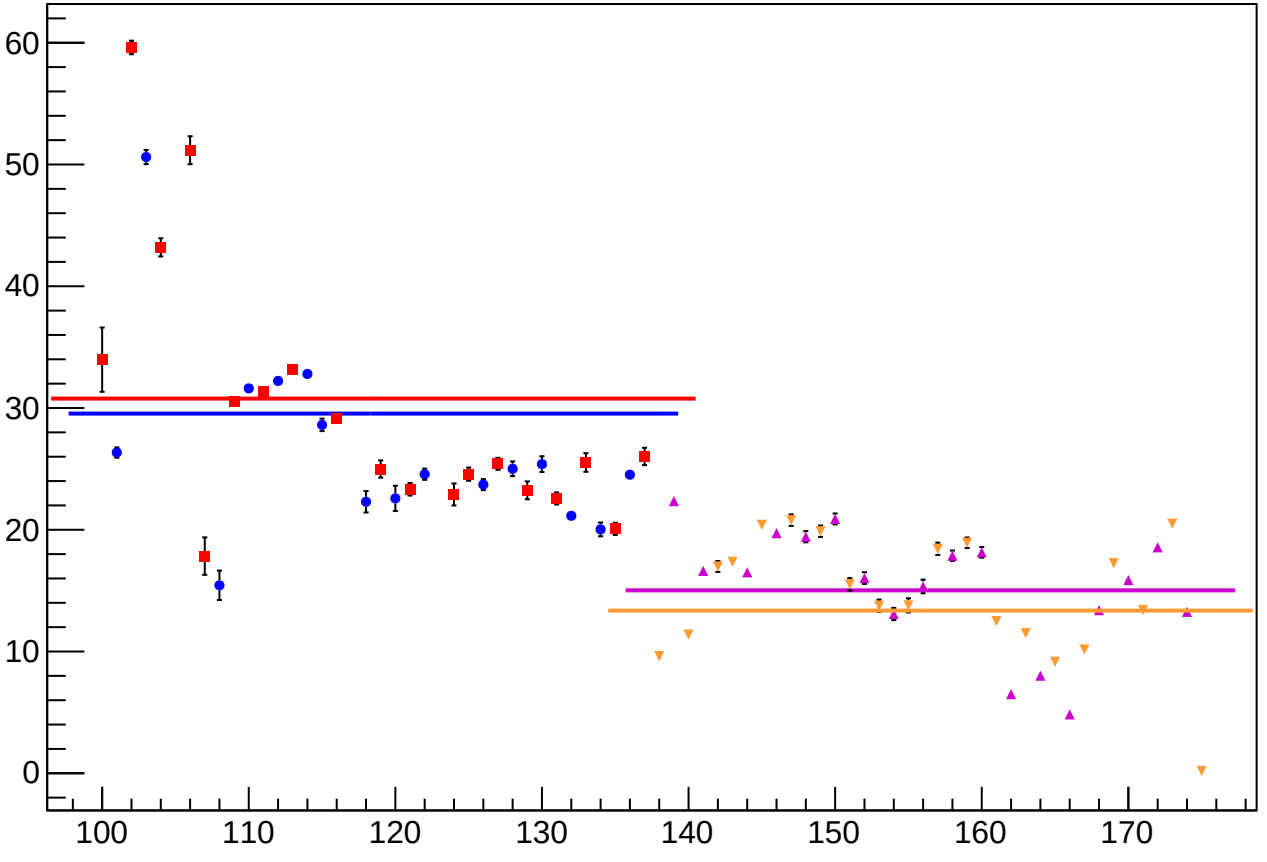
Left In: -0.369+/-0.010 χ^2/NDF:990.2/17

+ sign -0.170+/-0.007 χ^2/NDF: 1738.1/35

All: -0.173+/-0.005 χ^2/NDF: 4072.9/72

- sign -0.176+/-0.007 χ^2/NDF: 2334.3/36

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 13.360+/-0.080 χ^2/NDF:5787.5/19

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

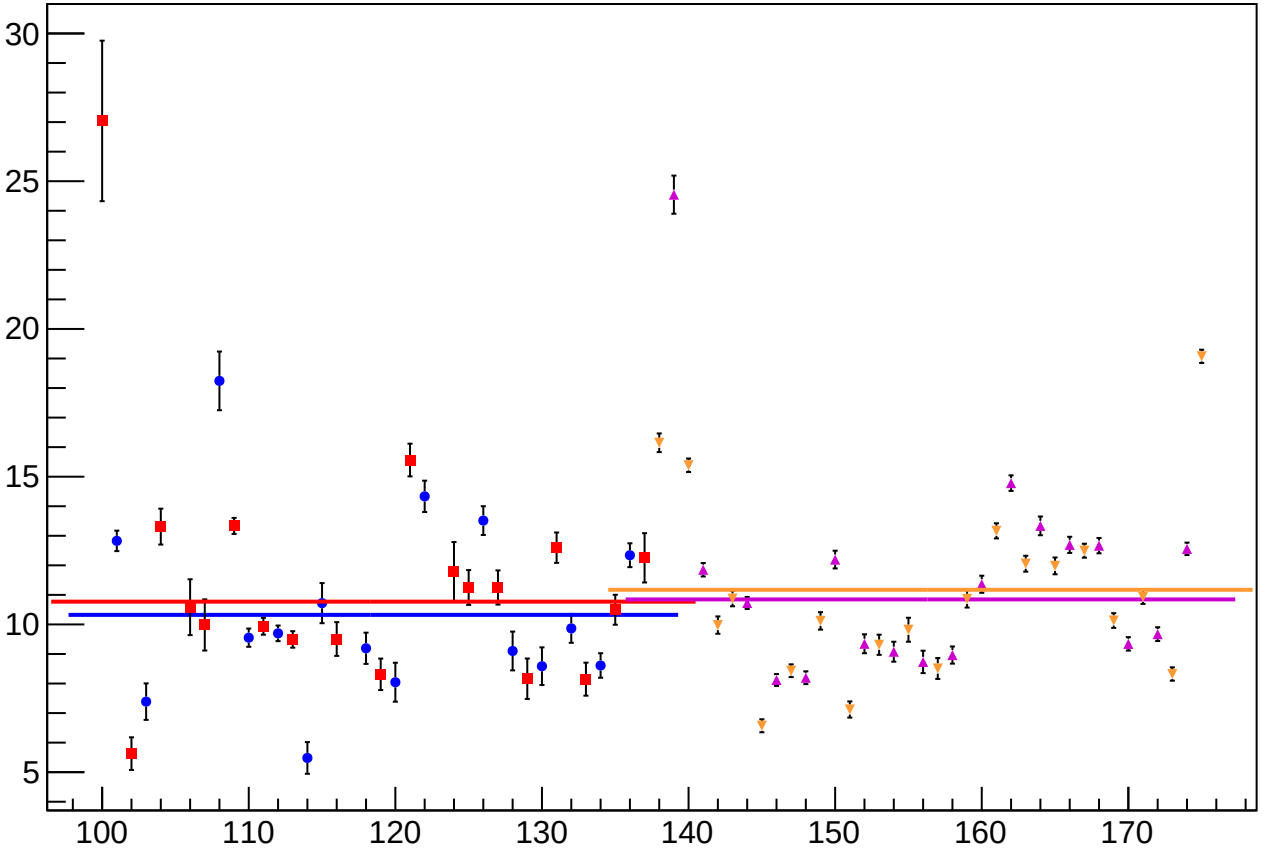
Left In: 15.024+/-0.084 χ^2/NDF:3148.2/17

+ sign 20.320+/-0.060 χ^2/NDF: 26808.4/35

All: 21.847+/-0.042 χ^2/NDF: 54697.6/72

- sign 23.257+/-0.058 χ^2/NDF: 26655.9/36

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 11.173+/-0.059 χ^2/NDF:3057.2/19

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

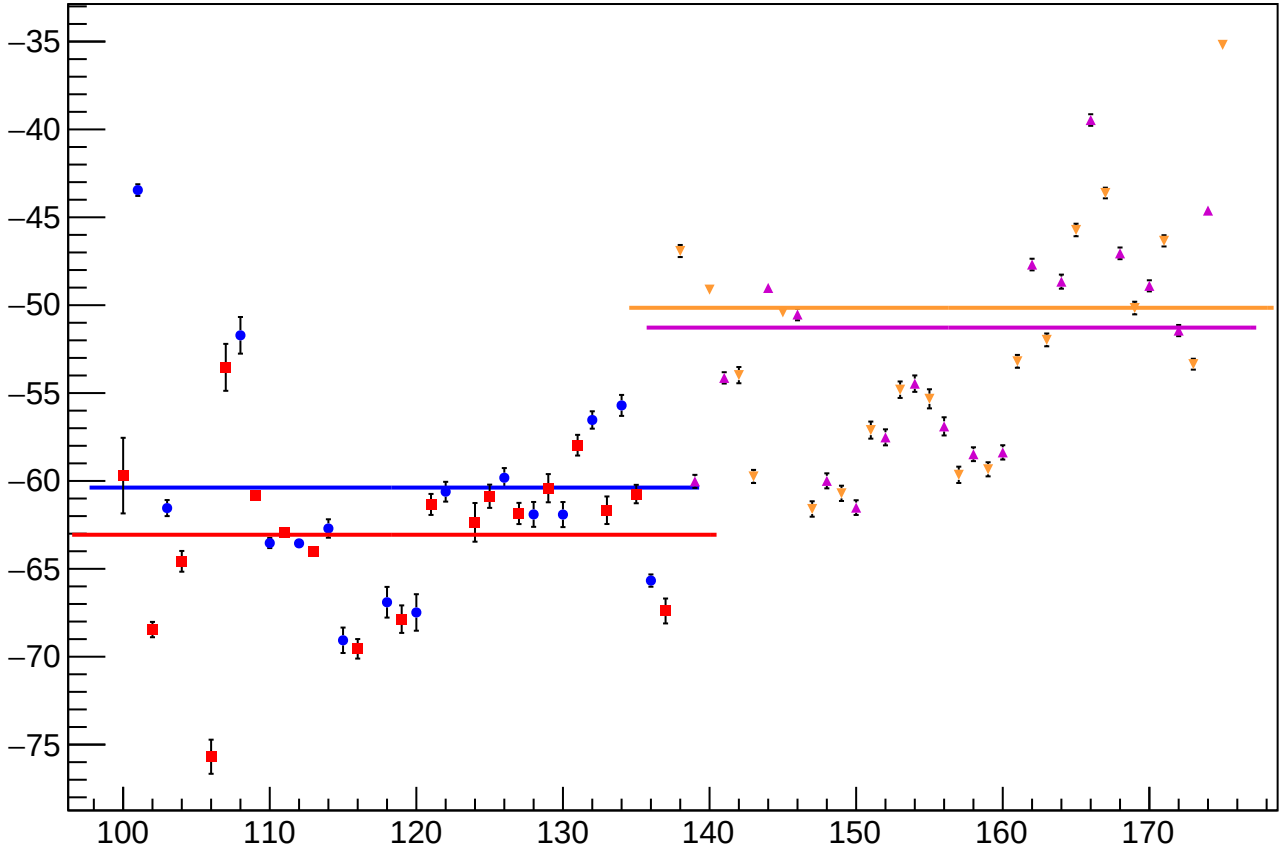
Left In: 10.846+/-0.061 χ^2/NDF:1467.2/17

+ sign 10.994+/-0.052 χ^2/NDF: 3503.7/35

All: 10.914+/-0.038 χ^2/NDF: 5391.9/72

- sign 10.829+/-0.054 χ^2/NDF: 1883.4/36

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -50.148+/-0.080 χ^2/NDF:8316.0/19

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

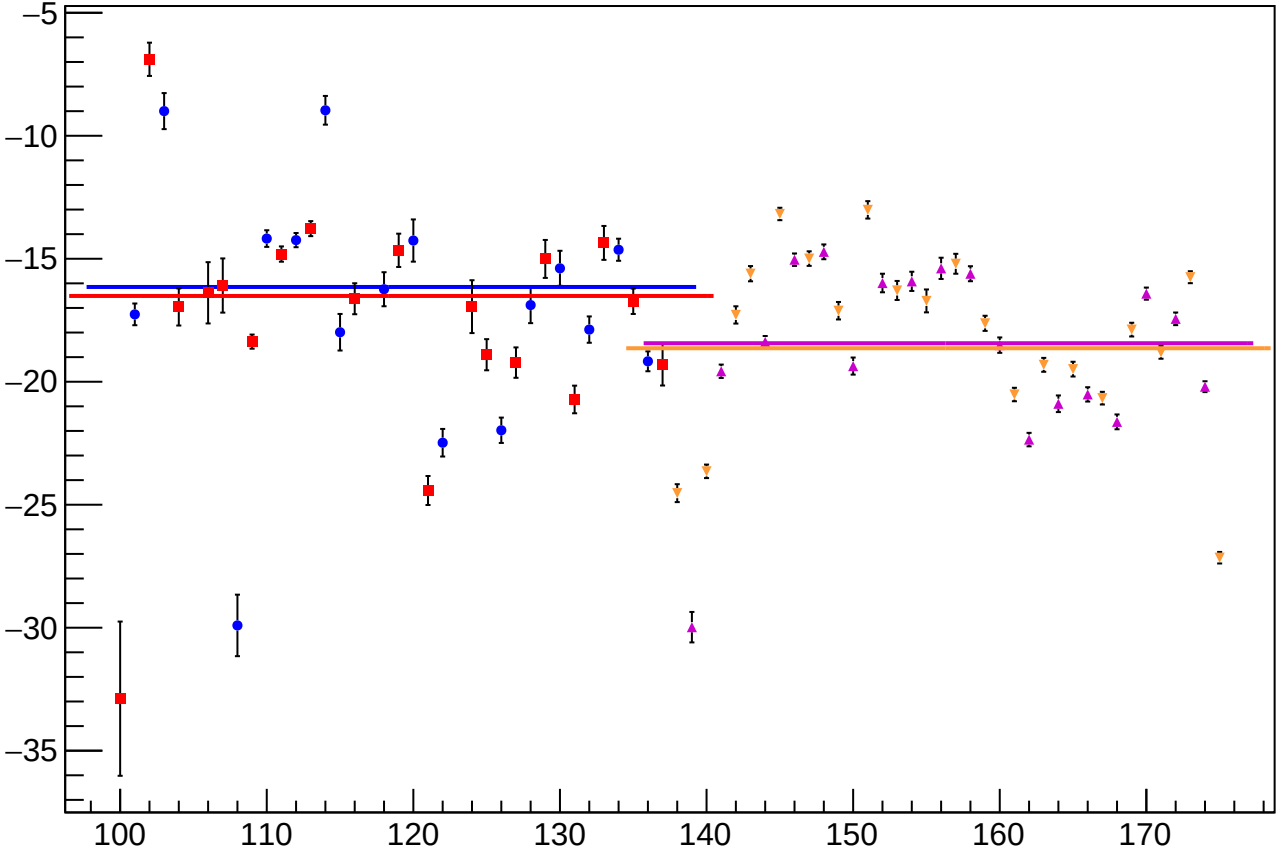
Left In: -51.276+/-0.084 χ^2/NDF:5022.7/17

+ sign -53.539+/-0.065 χ^2/NDF: 17391.0/35

All: -54.619+/-0.046 χ^2/NDF: 31330.3/72

- sign -55.727+/-0.066 χ^2/NDF: 13381.2/36

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -18.639+/-0.067 χ^2/NDF:3315.8/19

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

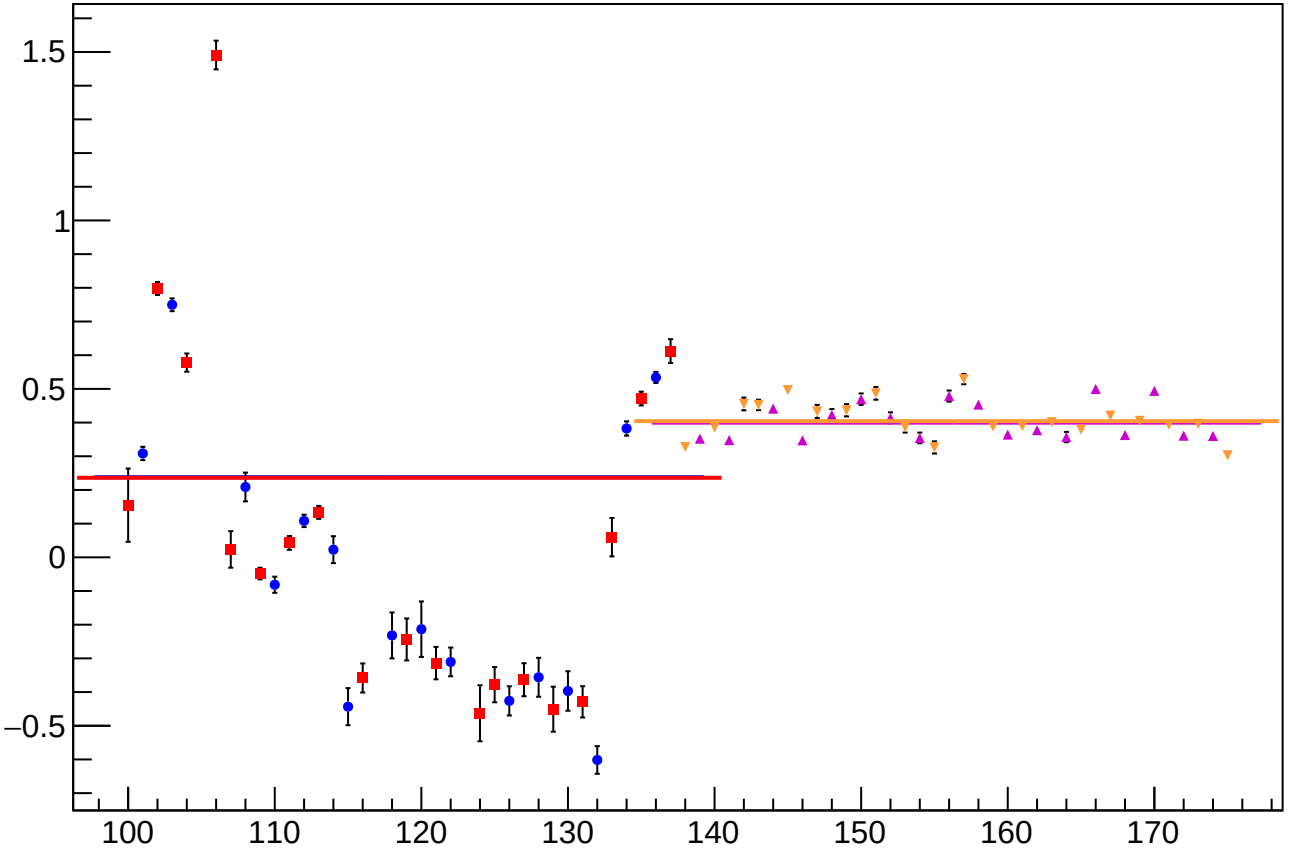
Left In: -18.435+/-0.070 χ^2/NDF:1490.1/17

+ sign -18.101+/-0.059 χ^2/NDF: 4413.9/35

All: -18.040+/-0.042 χ^2/NDF: 6772.0/72

- sign -17.976+/-0.061 χ^2/NDF: 2355.9/36

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.404+/-0.003 χ^2/NDF:326.3/19

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

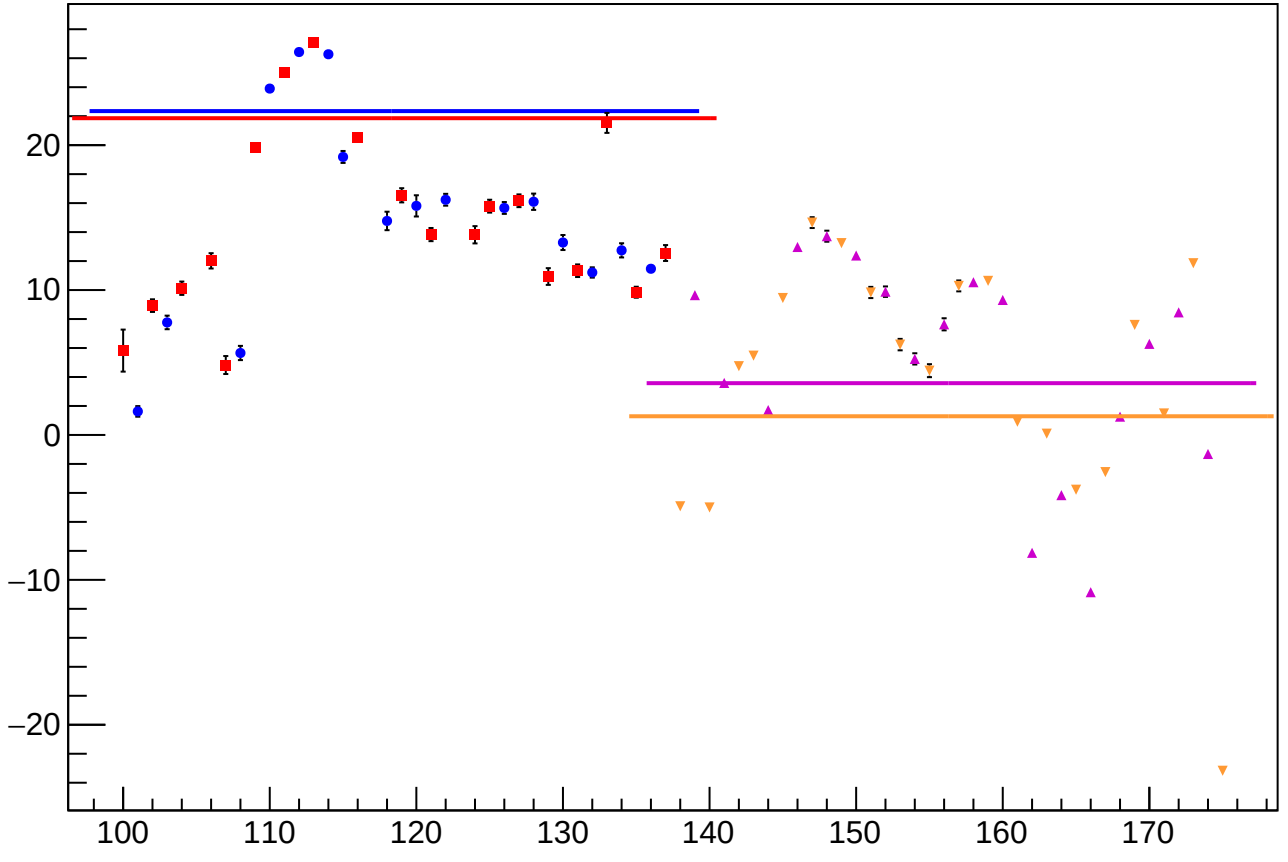
Left In: 0.400+/-0.003 χ^2/NDF:309.2/17

+ sign 0.378+/-0.003 χ^2/NDF: 3428.2/35

All: 0.376+/-0.002 χ^2/NDF: 7780.8/72

- sign 0.374+/-0.003 χ^2/NDF: 4351.2/36

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 1.290+/-0.065 χ^2/NDF:23598.6/19

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

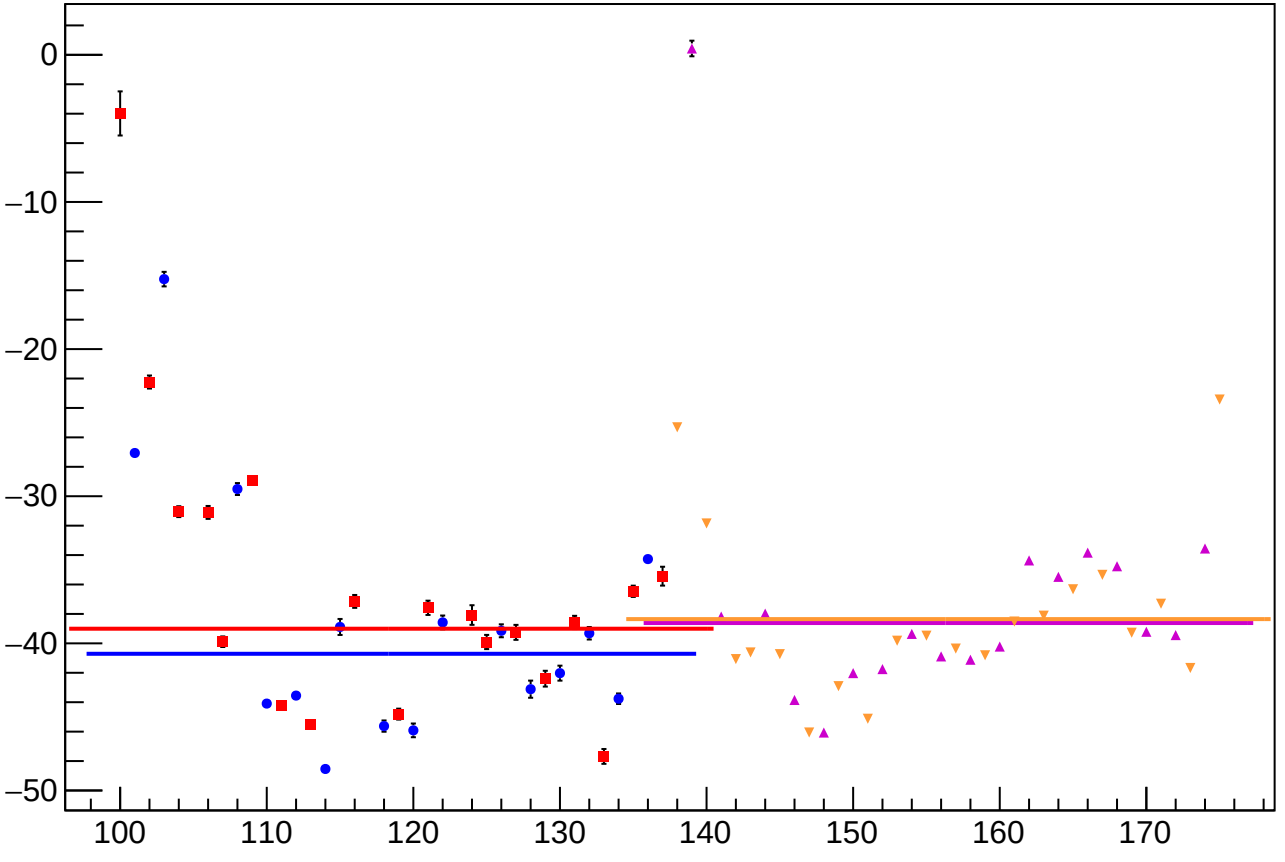
Left In: 3.574+/-0.069 χ^2/NDF:10205.5/17

+ sign 13.241+/-0.043 χ^2/NDF: 95912.5/35

All: 14.862+/-0.029 χ^2/NDF: 167900.3/72

- sign 16.180+/-0.038 χ^2/NDF: 69364.2/36

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -38.352+/-0.047 χ^2/NDF:14272.5/19

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

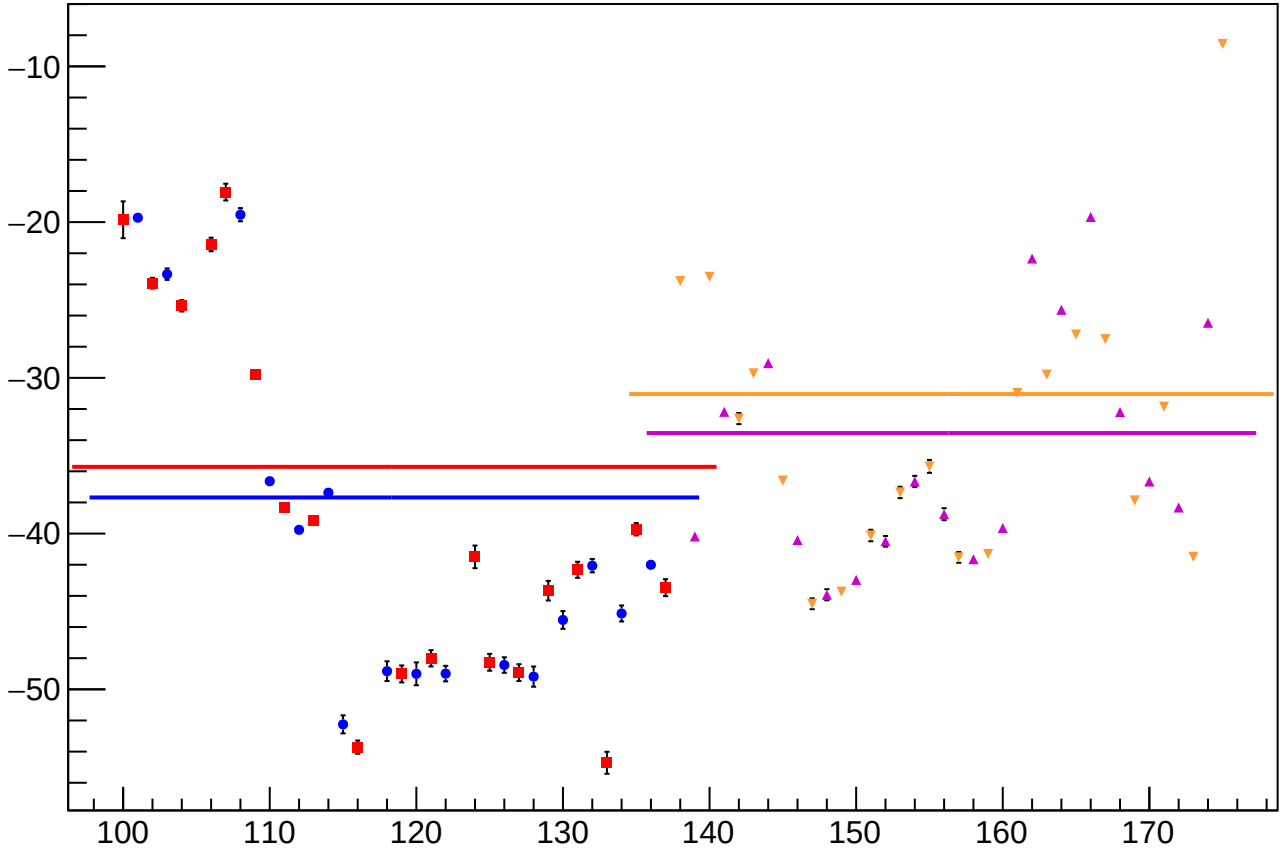
Left In: -38.619+/-0.051 χ^2/NDF:10683.1/17

+ sign -39.004+/-0.040 χ^2/NDF: 22739.8/35

All: -38.879+/-0.029 χ^2/NDF: 43563.6/72

- sign -38.749+/-0.041 χ^2/NDF: 20804.1/36

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -31.040+/-0.064 χ^2/NDF:22218.0/19

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

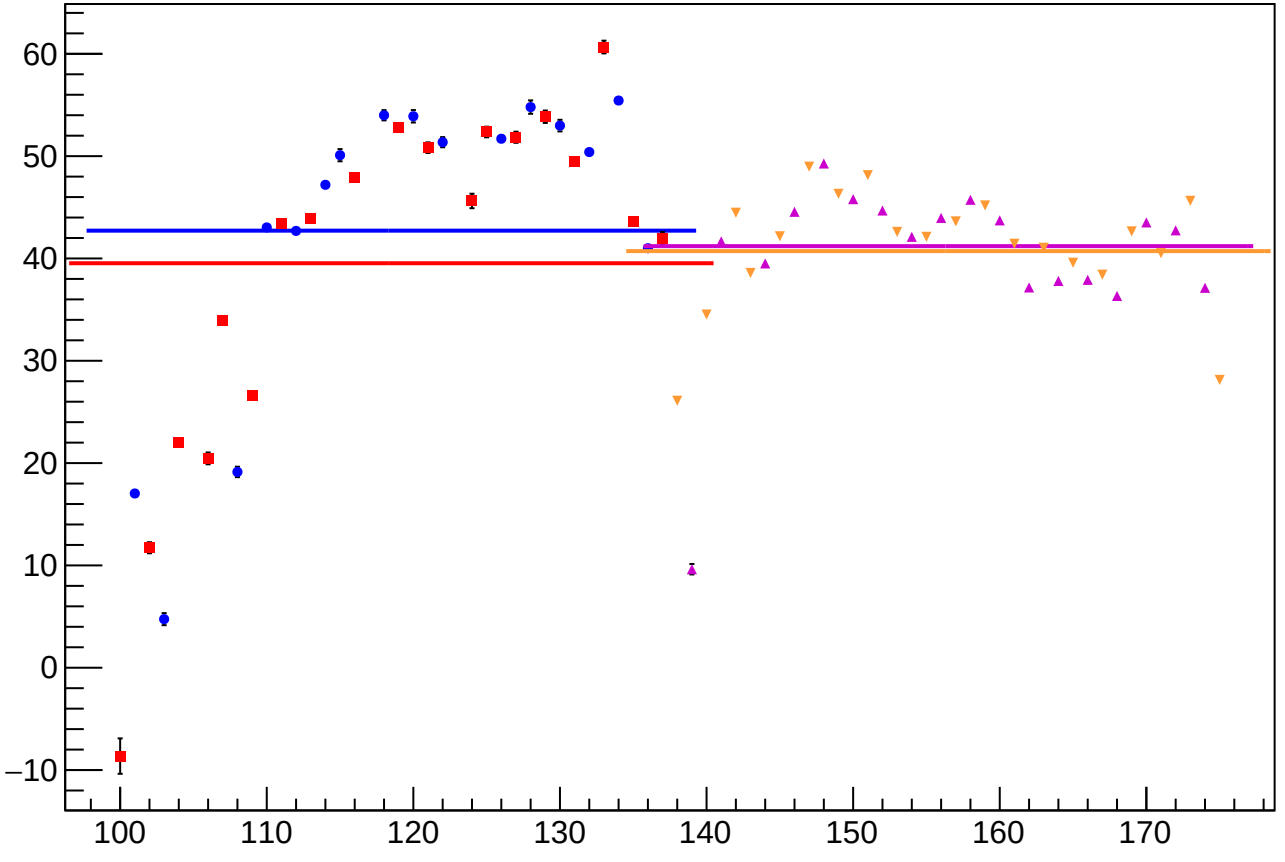
Left In: -33.543+/-0.068 χ^2/NDF:11273.3/17

+ sign -33.912+/-0.048 χ^2/NDF: 37674.8/35

All: -34.317+/-0.034 χ^2/NDF: 62891.7/72

- sign -34.696+/-0.047 χ^2/NDF: 25081.6/36

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 40.718+/-0.054 χ^2/NDF:10914.6/19

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

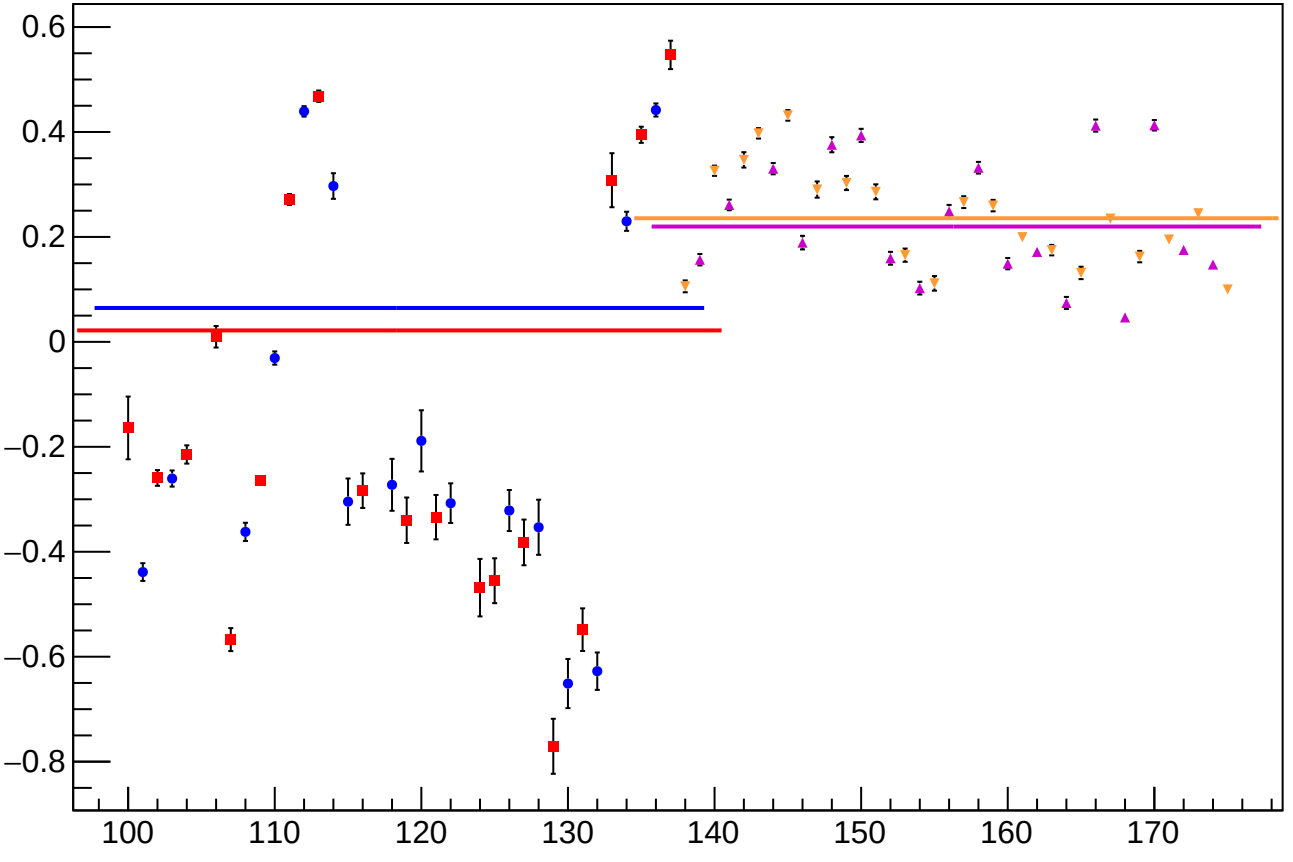
Left In: 41.205+/-0.057 χ^2/NDF:7864.2/17

+ sign 41.290+/-0.046 χ^2/NDF: 26074.2/35

All: 40.961+/-0.032 χ^2/NDF: 52320.7/72

- sign 40.620+/-0.046 χ^2/NDF: 26139.8/36

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.236+/-0.002 χ^2/NDF:1483.6/19

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

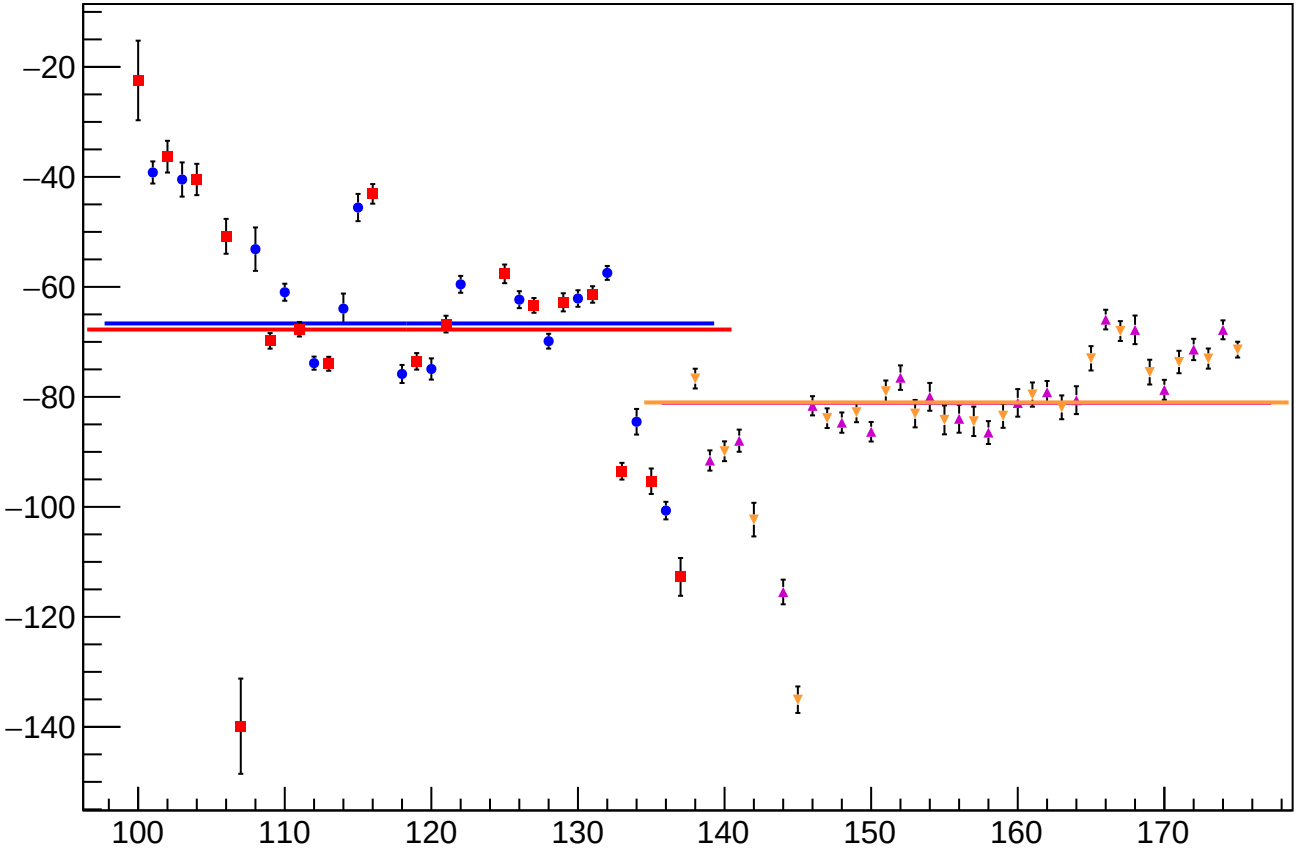
Left In: 0.220+/-0.003 χ^2/NDF:2002.5/17

+ sign 0.201+/-0.002 χ^2/NDF: 7973.0/35

All: 0.185+/-0.002 χ^2/NDF: 18001.9/72

- sign 0.170+/-0.002 χ^2/NDF: 9932.2/36

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -81.013+/-0.467 χ^2/NDF:739.4/18

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

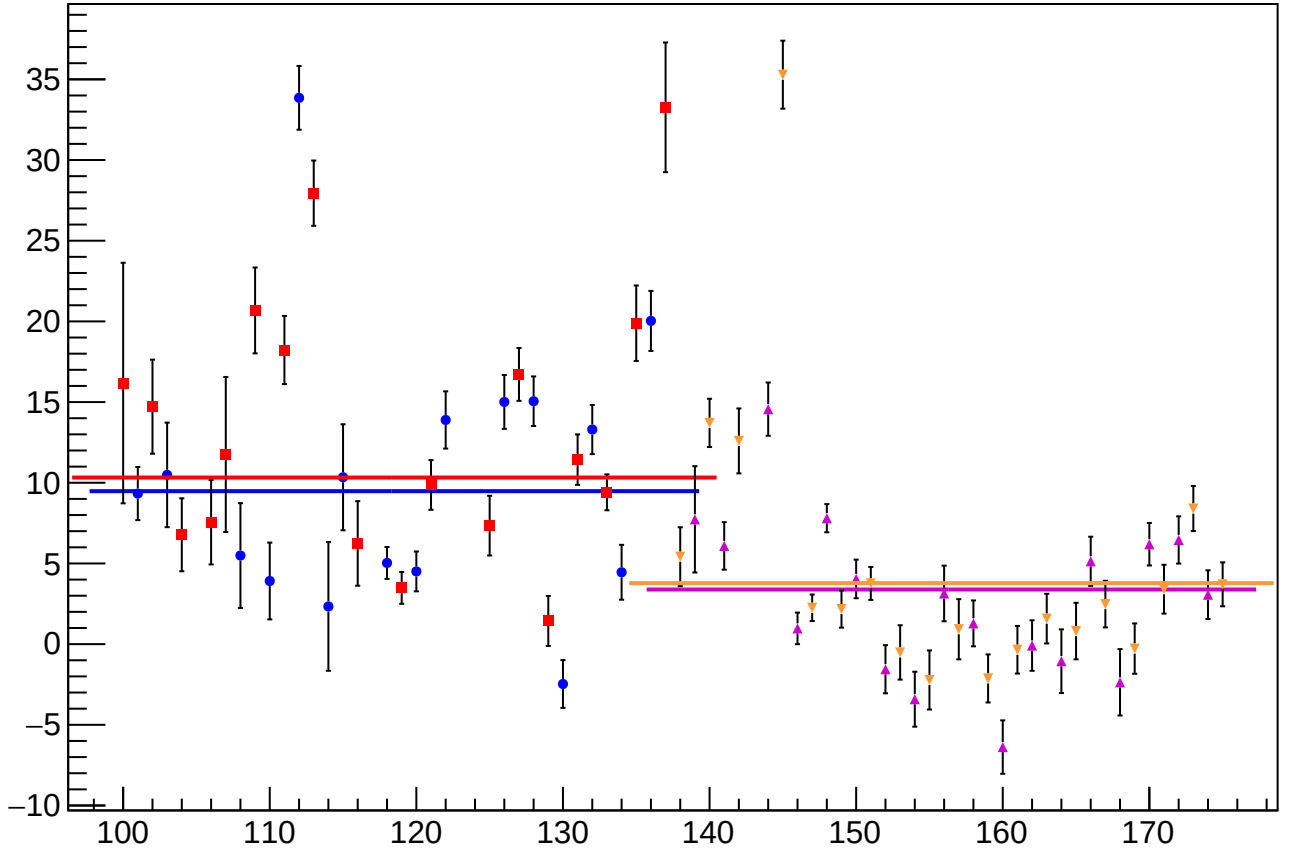
Left In: -81.098+/-0.480 χ^2/NDF:489.4/17

+ sign -73.172+/-0.315 χ^2/NDF: 2308.0/34

All: -73.354+/-0.223 χ^2/NDF: 4492.0/70

- sign -73.537+/-0.316 χ^2/NDF: 2183.3/35

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.781+/-0.326 χ^2/NDF:359.5/18

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

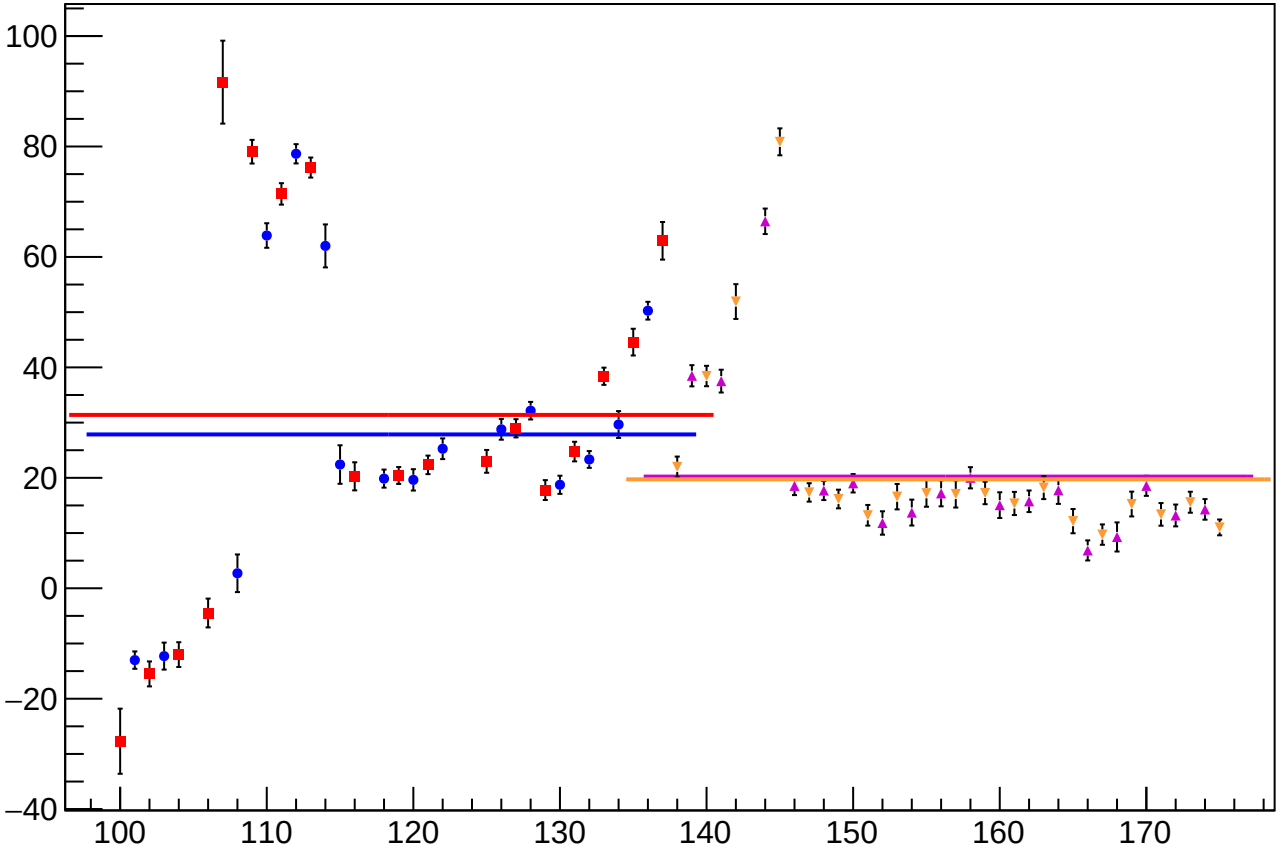
Left In: 3.385+/-0.337 χ^2/NDF:175.0/17

\+ sign 5.876+/-0.260 χ^2/NDF: 813.5/34

All: 5.930+/-0.186 χ^2/NDF: 1410.6/70

\- sign 5.987+/-0.267 χ^2/NDF: 597.0/35

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 19.724+/-0.458 χ^2/NDF:961.0/18

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

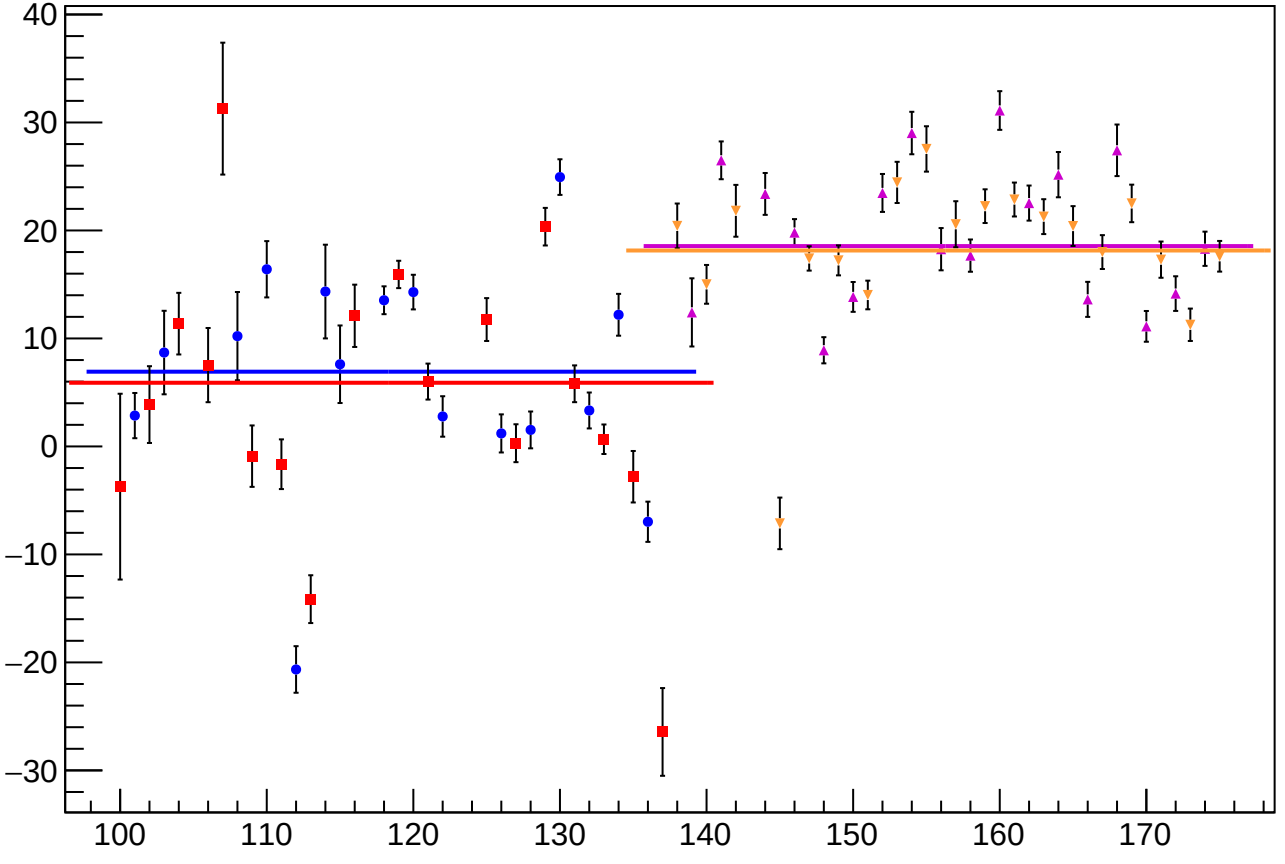
Left In: 20.222+/-0.471 χ^2/NDF:696.4/17

\+ sign 23.582+/-0.332 χ^2/NDF: 3584.5/34

All: 24.579+/-0.237 χ^2/NDF: 7582.2/70

\- sign 25.616+/-0.339 χ^2/NDF: 3979.3/35

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.145+/-0.378 χ^2/NDF:210.1/18

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

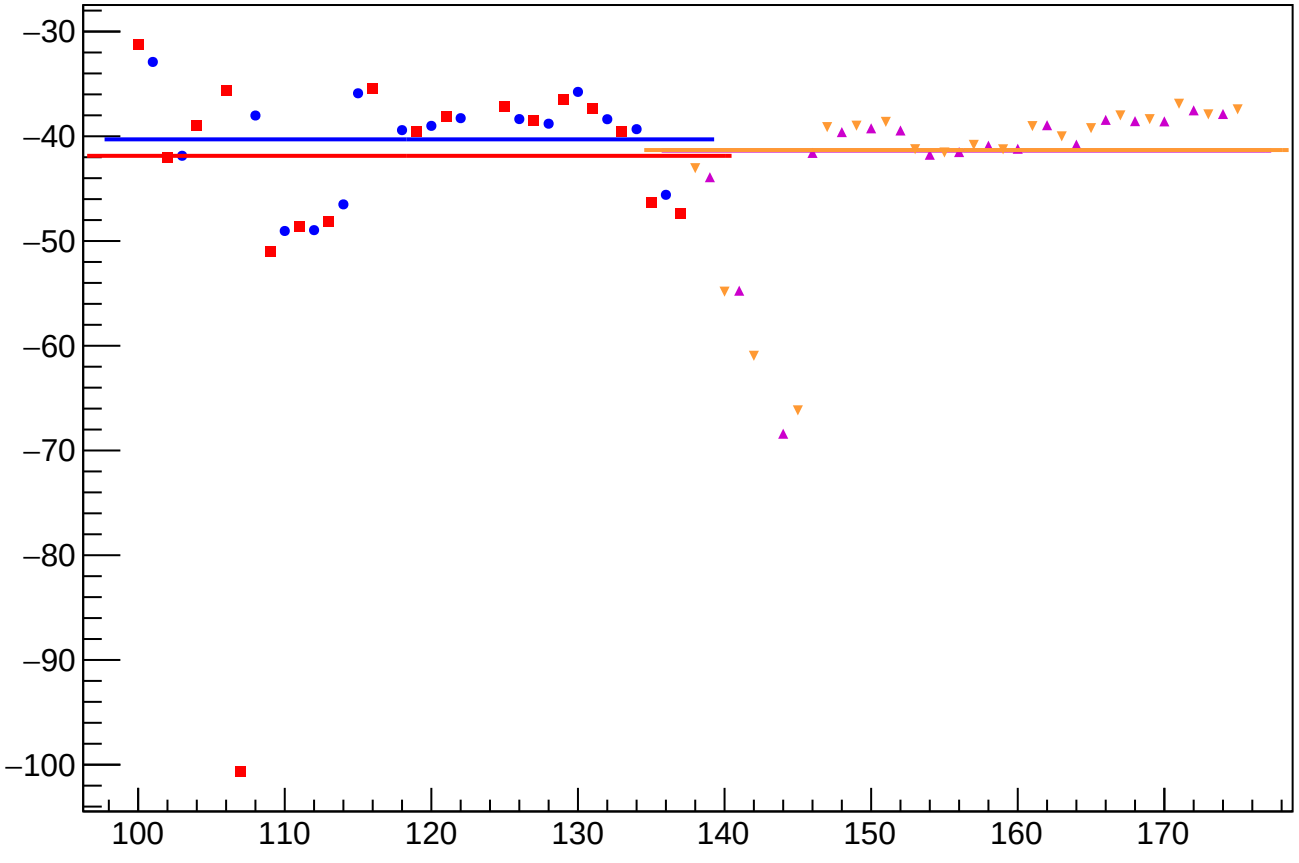
Left In: 18.553+/-0.390 χ^2/NDF:266.0/17

+ sign 14.023+/-0.300 χ^2/NDF: 979.0/34

All: 13.909+/-0.215 χ^2/NDF: 2009.8/70

- sign 13.790+/-0.308 χ^2/NDF: 1030.6/35

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -41.315+/-0.017 χ^2/NDF:136353.2/18

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

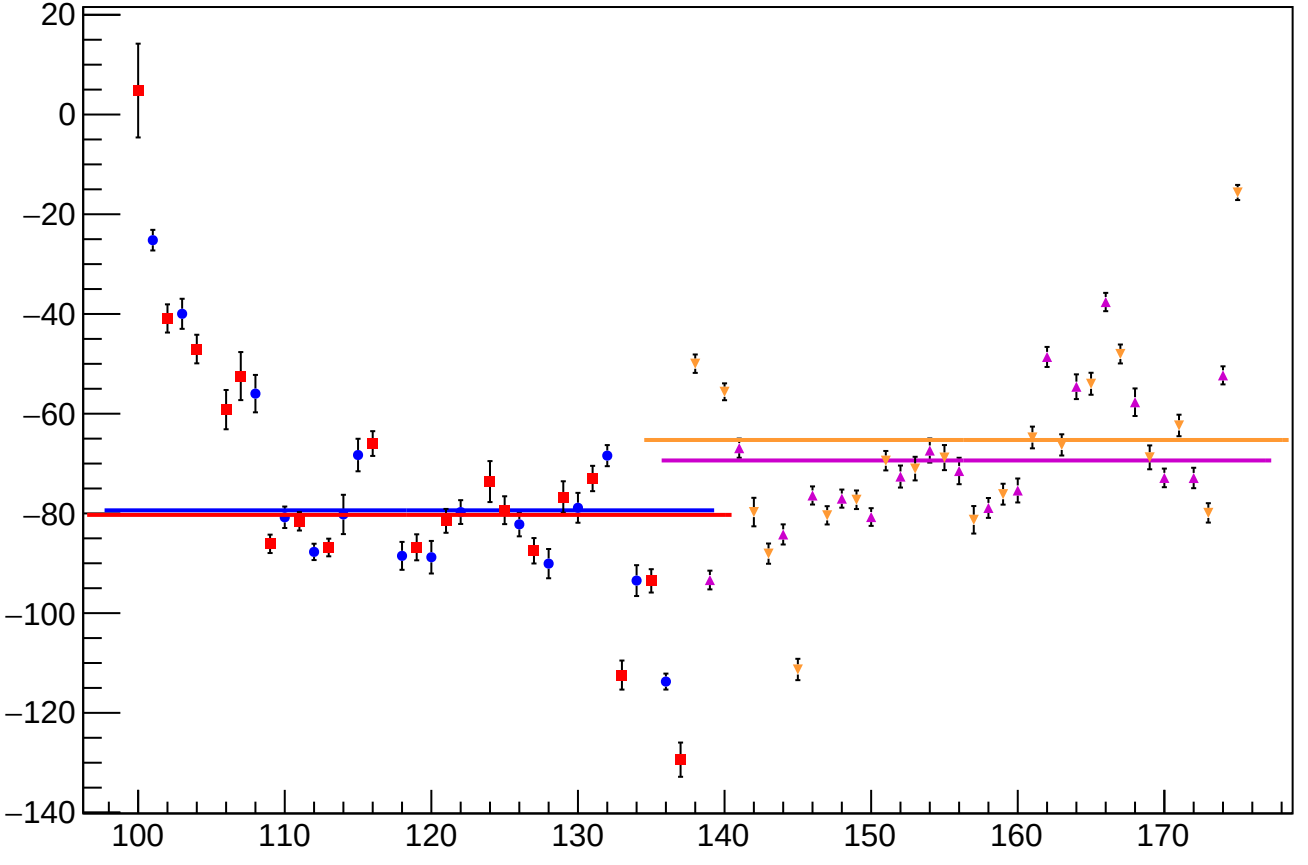
Left In: -41.366+/-0.018 χ^2/NDF:108458.0/17

+ sign -41.073+/-0.015 χ^2/NDF: 157824.8/34

All: -41.276+/-0.011 χ^2/NDF: 325559.3/70

- sign -41.481+/-0.015 χ^2/NDF: 167380.6/35

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -65.273+/-0.458 χ^2/NDF:2137.1/19

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

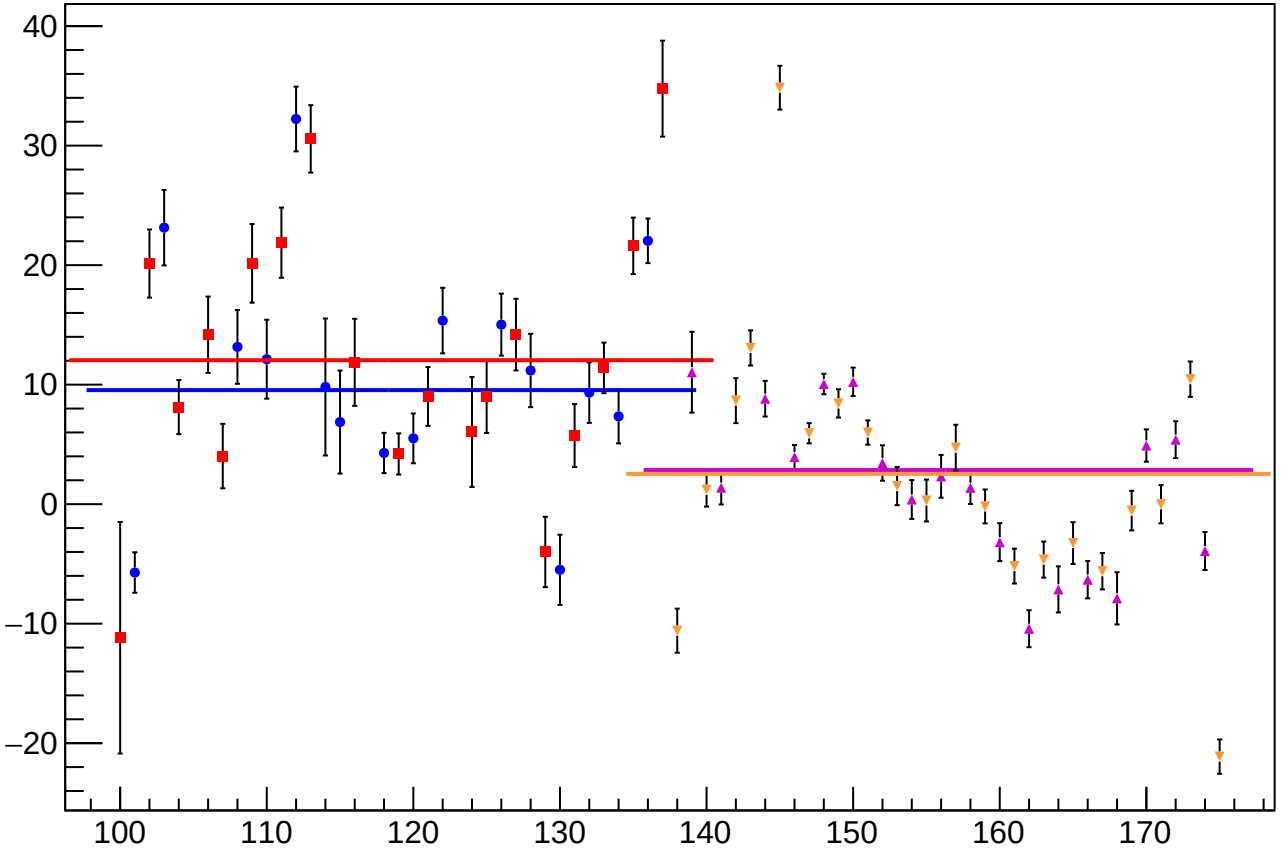
Left In: -69.379+/-0.480 χ^2/NDF:879.5/17

+ sign -70.344+/-0.366 χ^2/NDF: 3954.5/35

All: -71.934+/-0.262 χ^2/NDF: 5987.4/72

- sign -73.609+/-0.376 χ^2/NDF: 1994.2/36

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 2.535+/-0.320 χ^2/NDF:879.9/19

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

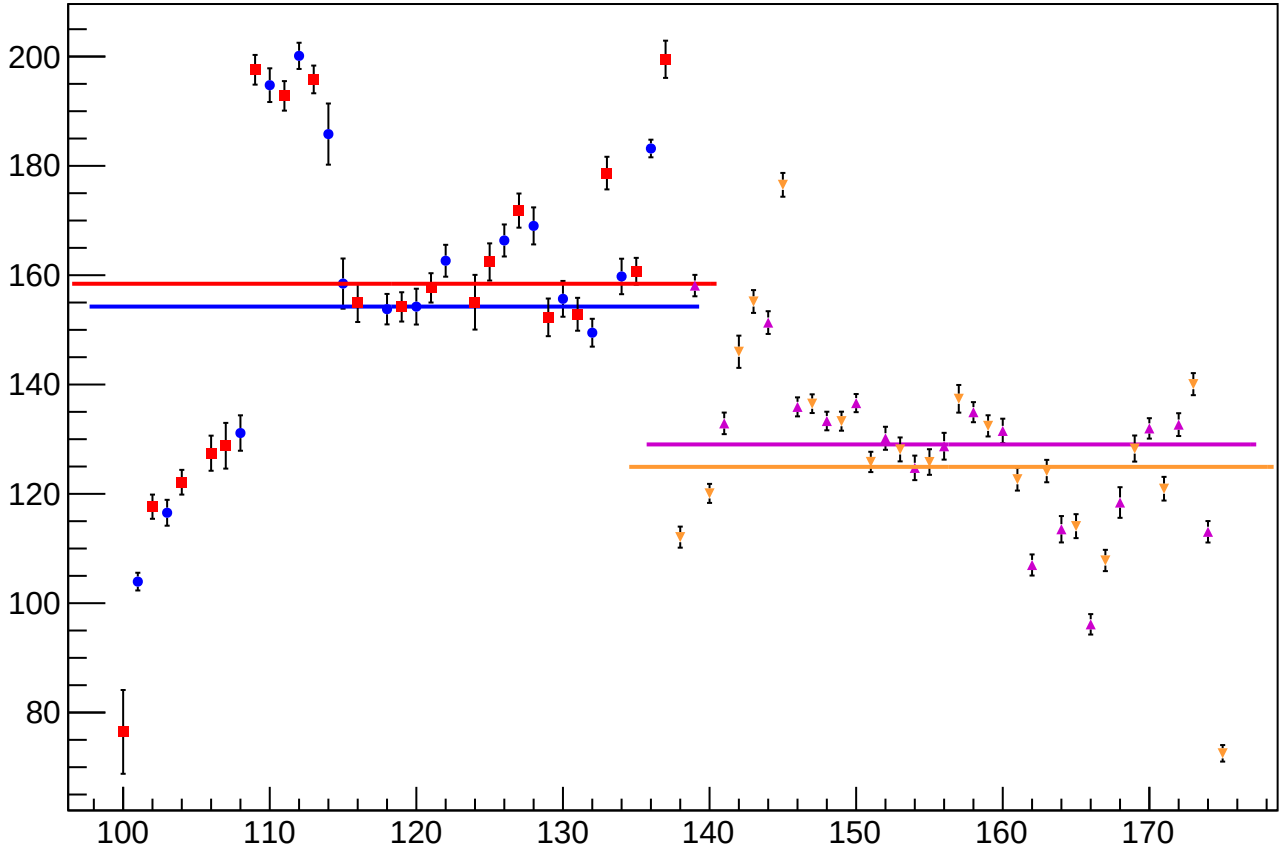
Left In: 2.853+/-0.336 χ^2/NDF:333.5/17

+ sign 4.004+/-0.284 χ^2/NDF: 1247.6/35

All: 4.412+/-0.206 χ^2/NDF: 1944.1/72

- sign 4.859+/-0.297 χ^2/NDF: 692.2/36

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 124.937+/-0.450 χ^2/NDF:2349.1/19

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

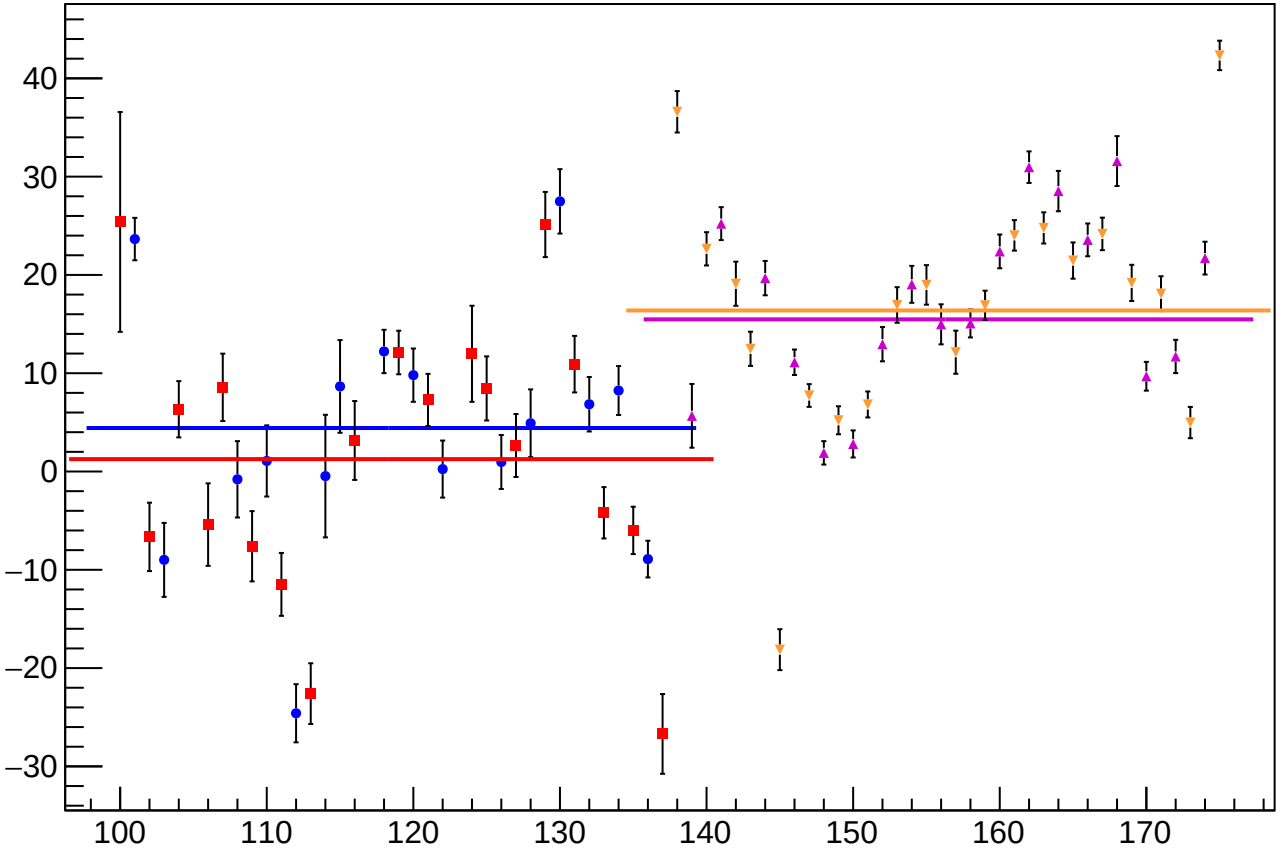
Left In: 129.042+/-0.471 χ^2/NDF:964.4/17

+ sign 134.203+/-0.372 χ^2/NDF: 5905.9/35

All: 136.275+/-0.268 χ^2/NDF: 9855.2/72

- sign 138.526+/-0.388 χ^2/NDF: 3884.6/36

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 16.386+/-0.371 χ^2/NDF:998.2/19

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

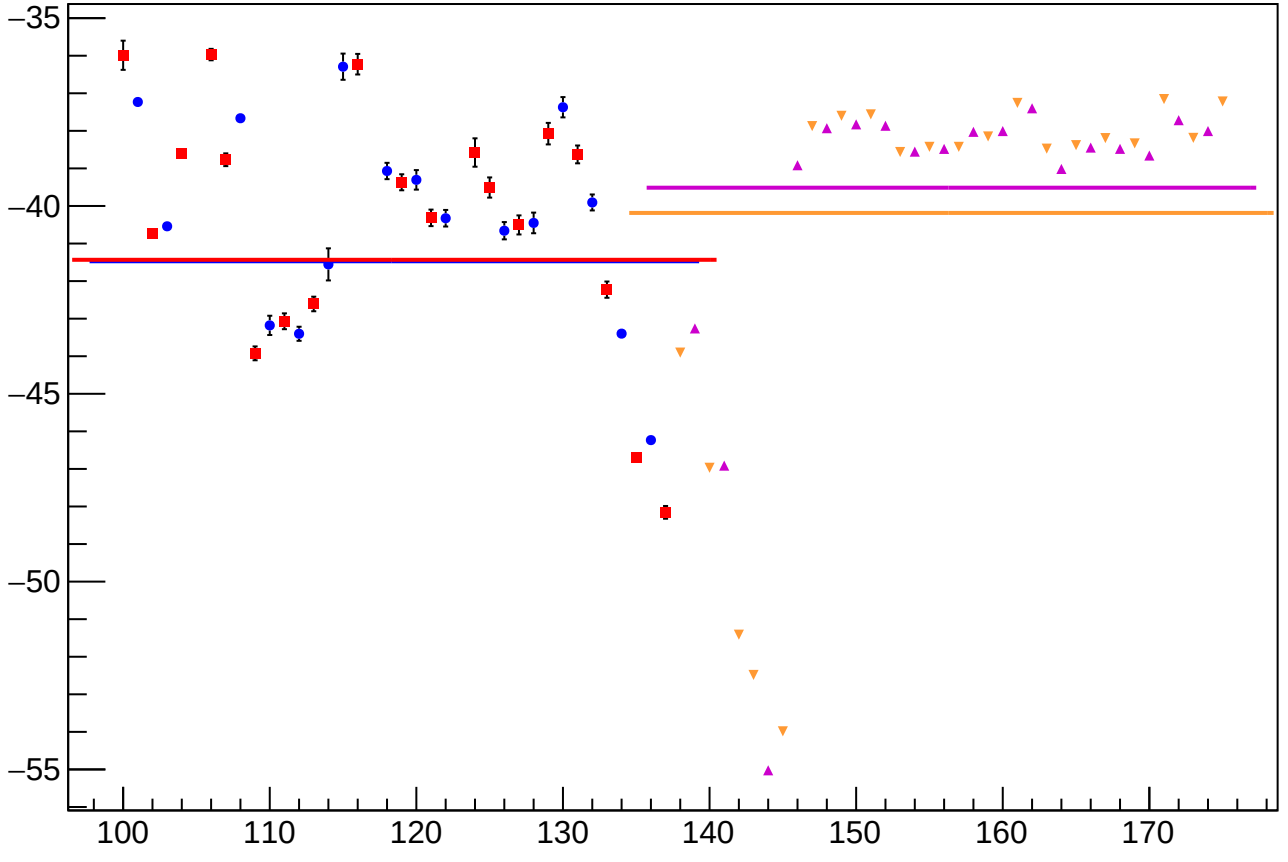
Left In: 15.480+/-0.389 χ^2/NDF:528.5/17

+ sign 13.847+/-0.329 χ^2/NDF: 1535.4/35

All: 13.129+/-0.238 χ^2/NDF: 2633.2/72

- sign 12.345+/-0.344 χ^2/NDF: 1087.9/36

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -40.185+/-0.017 χ^2/NDF:78338.5/19

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

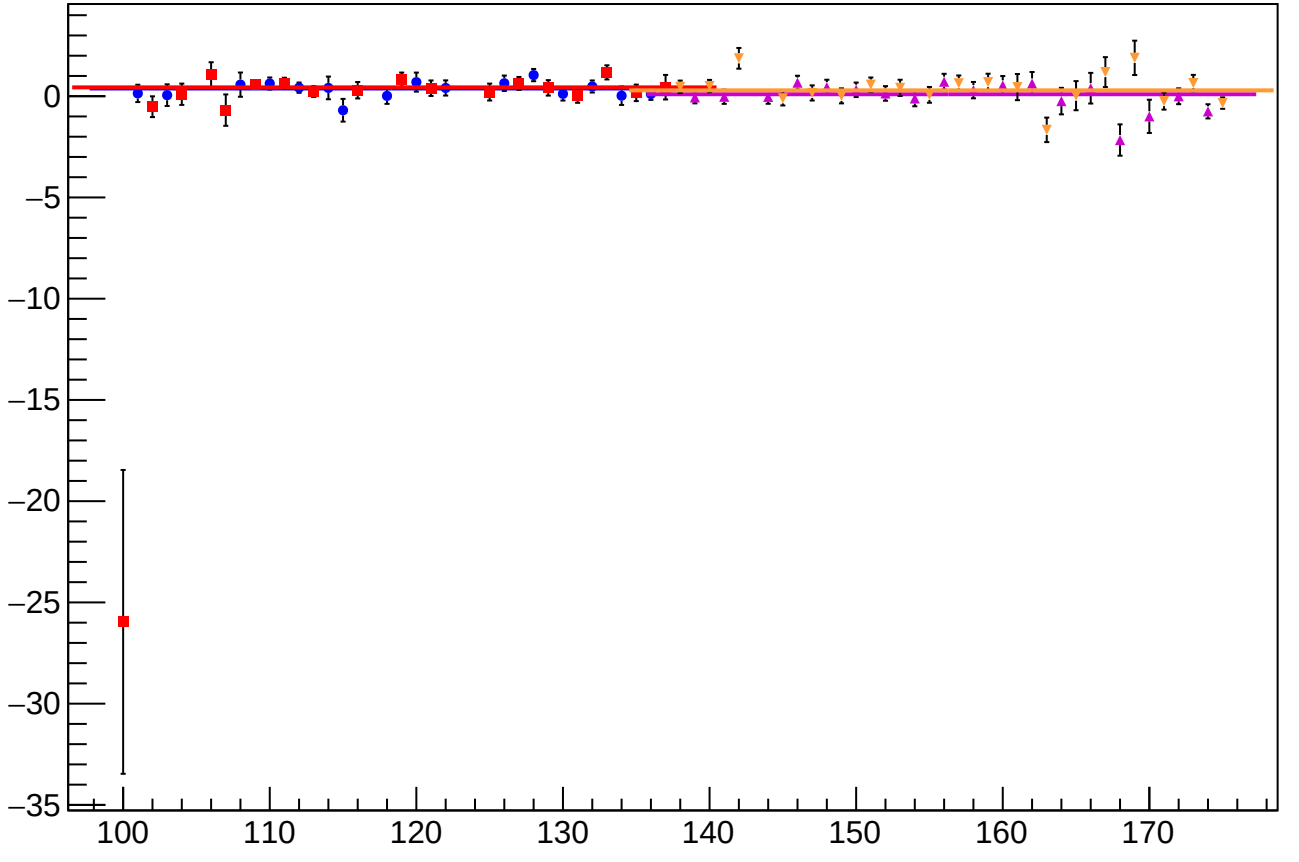
Left In: -39.514+/-0.018 χ^2/NDF:44424.5/17

+ sign -40.403+/-0.016 χ^2/NDF: 87197.2/35

All: -40.123+/-0.011 χ^2/NDF: 142468.3/72

- sign -39.830+/-0.016 χ^2/NDF: 54619.8/36

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.289+/-0.093 χ^2/NDF:38.2/18

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

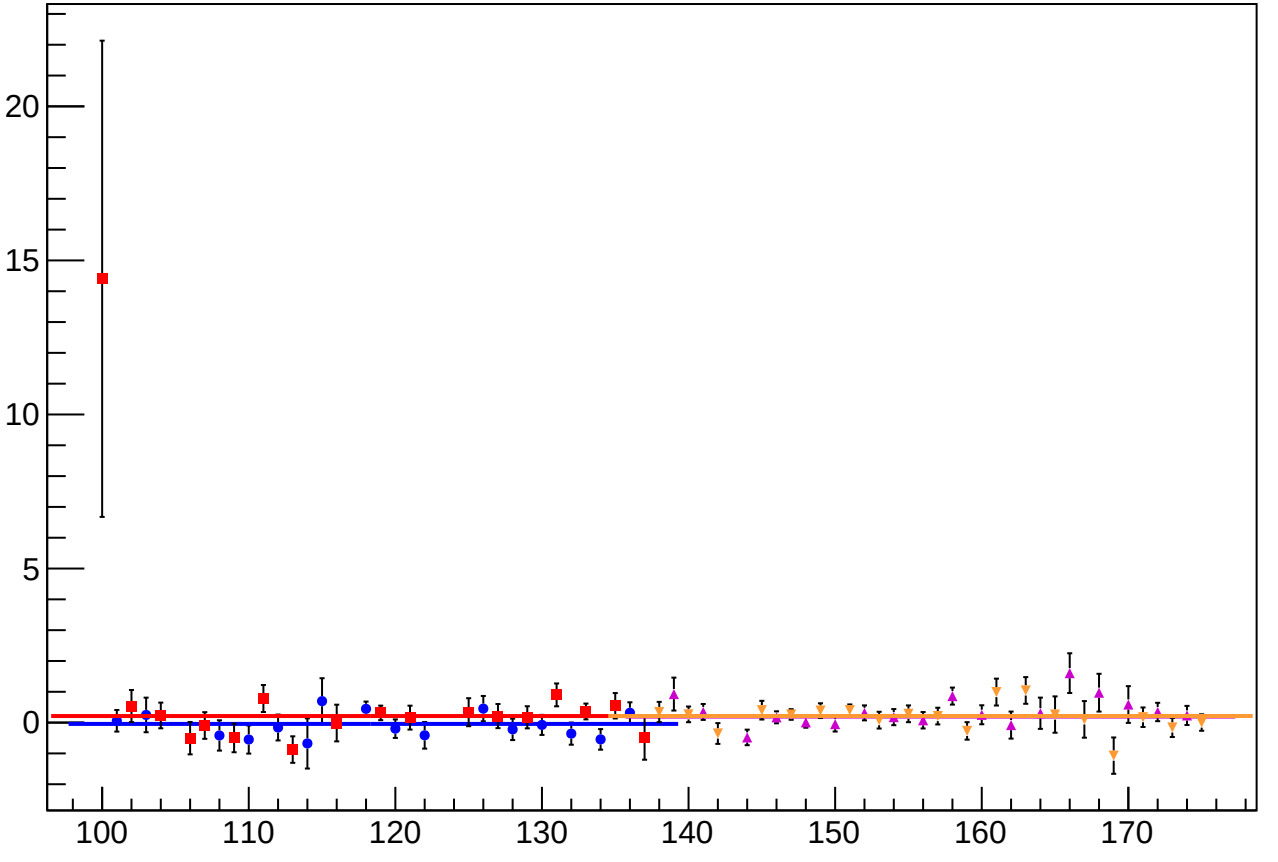
Left In: 0.097+/-0.096 χ^2/NDF:26.0/17

+ sign 0.336+/-0.065 χ^2/NDF: 52.6/34

All: 0.307+/-0.046 χ^2/NDF: 114.7/70

- sign 0.277+/-0.066 χ^2/NDF: 61.7/35

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.214+/-0.066 χ^2/NDF:22.1/18

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

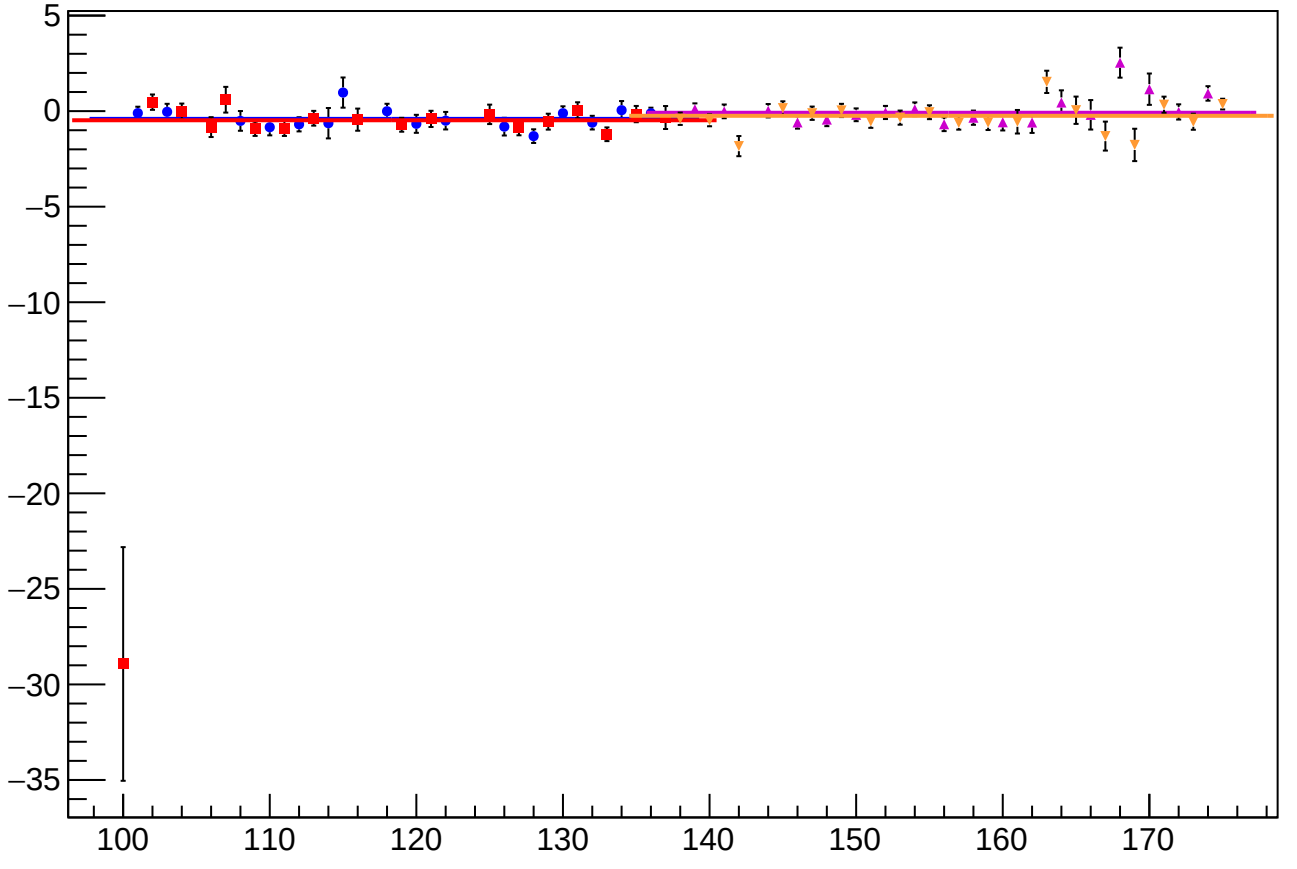
Left In: 0.196+/-0.068 χ^2/NDF:25.4/17

+ sign 0.130+/-0.054 χ^2/NDF: 42.1/34

All: 0.165+/-0.039 χ^2/NDF: 90.8/70

- sign 0.202+/-0.055 χ^2/NDF: 47.8/35

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.245+/-0.091 χ^2/NDF:37.1/18

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

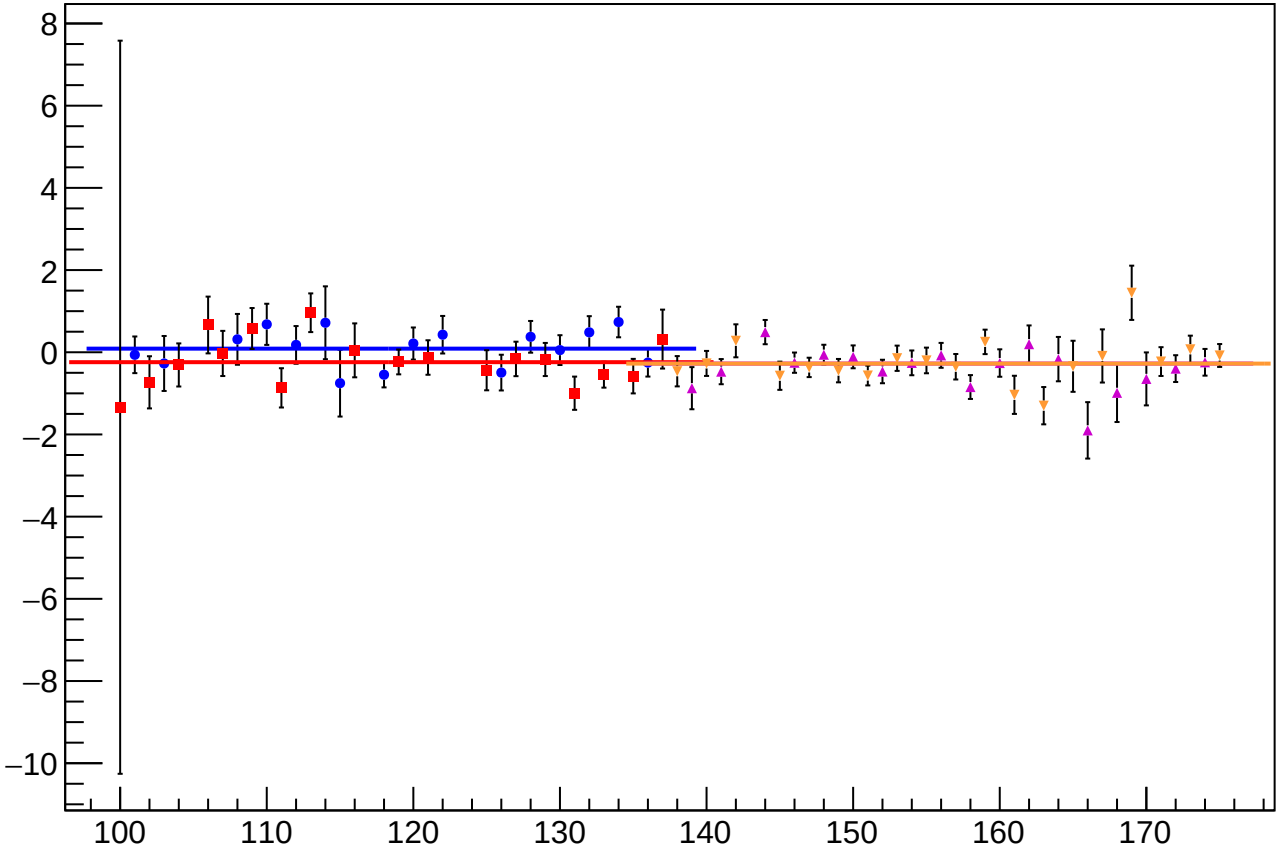
Left In: -0.086+/-0.094 χ^2/NDF:31.0/17

+ sign -0.315+/-0.068 χ^2/NDF: 56.2/34

All: -0.289+/-0.049 χ^2/NDF: 137.5/70

- sign -0.262+/-0.070 χ^2/NDF: 81.0/35

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.276+/-0.077 χ^2/NDF:24.6/18

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

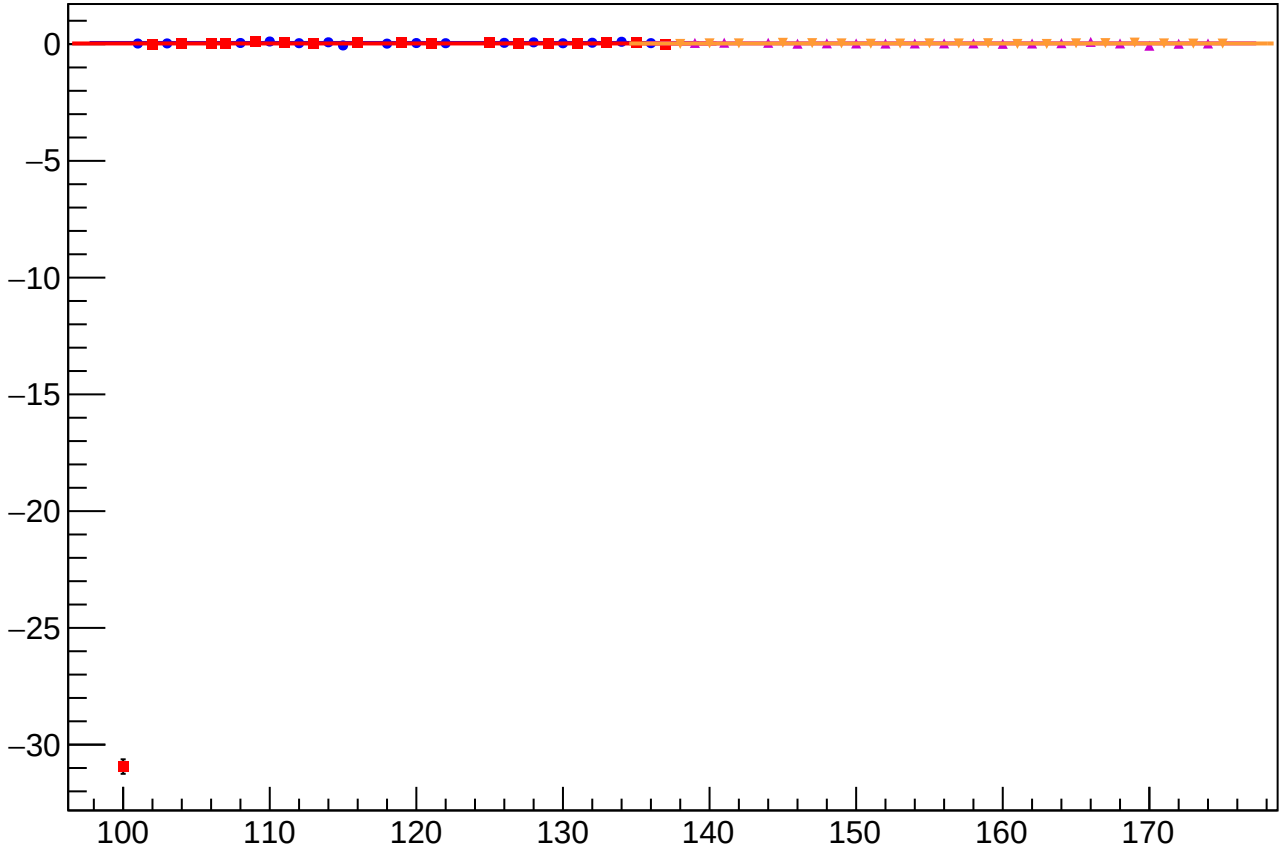
Left In: -0.275+/-0.079 χ^2/NDF:22.6/17

+ sign -0.155+/-0.063 χ^2/NDF: 48.0/34

All: -0.208+/-0.045 χ^2/NDF: 91.8/70

- sign -0.264+/-0.064 χ^2/NDF: 42.3/35

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.027+/-0.003 χ^2/NDF:12.4/18

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

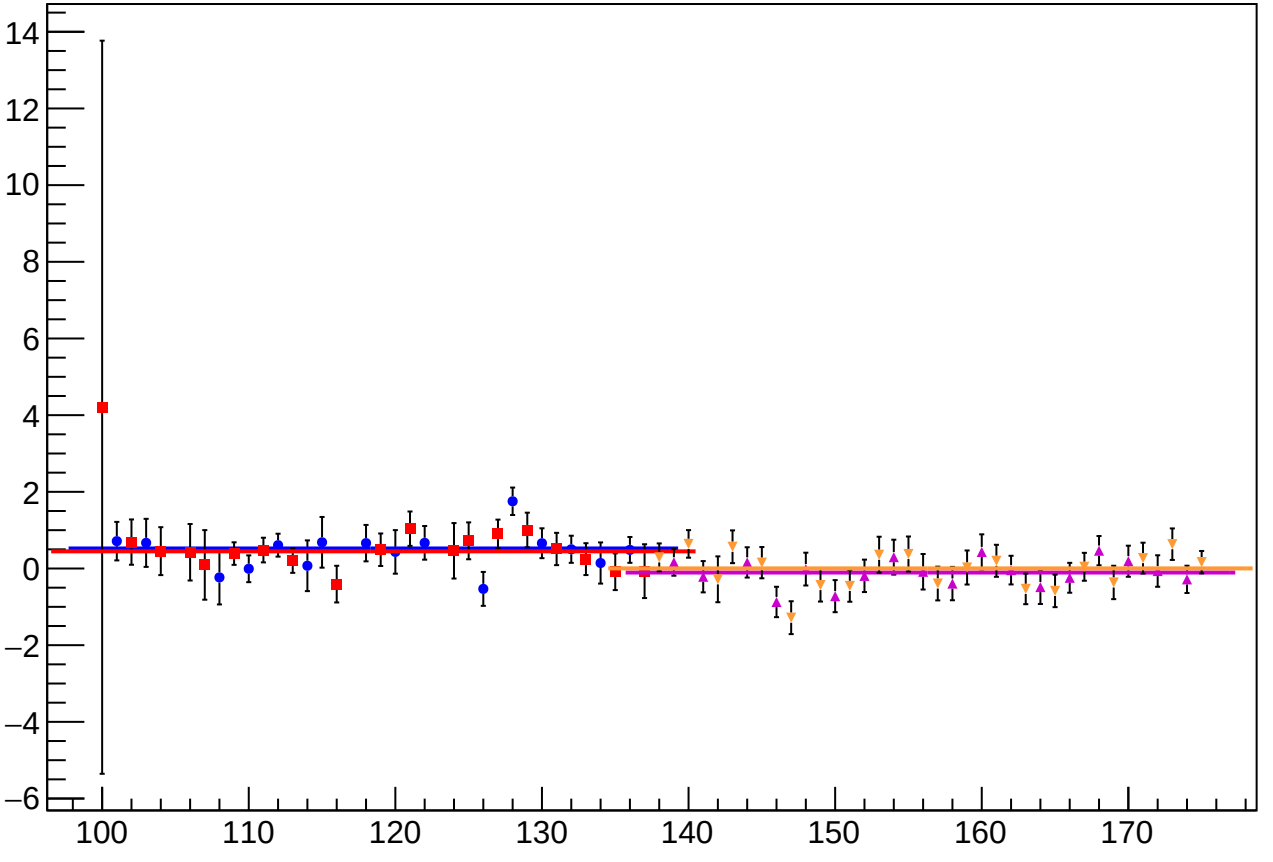
Left In: 0.032+/-0.003 χ^2/NDF:30.4/17

+ sign 0.032+/-0.003 χ^2/NDF: 40.6/34

All: 0.032+/-0.002 χ^2/NDF: 10092.3/70

- sign 0.031+/-0.003 χ^2/NDF: 10051.7/35

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.003+/-0.091 χ^2/NDF:26.9/19

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

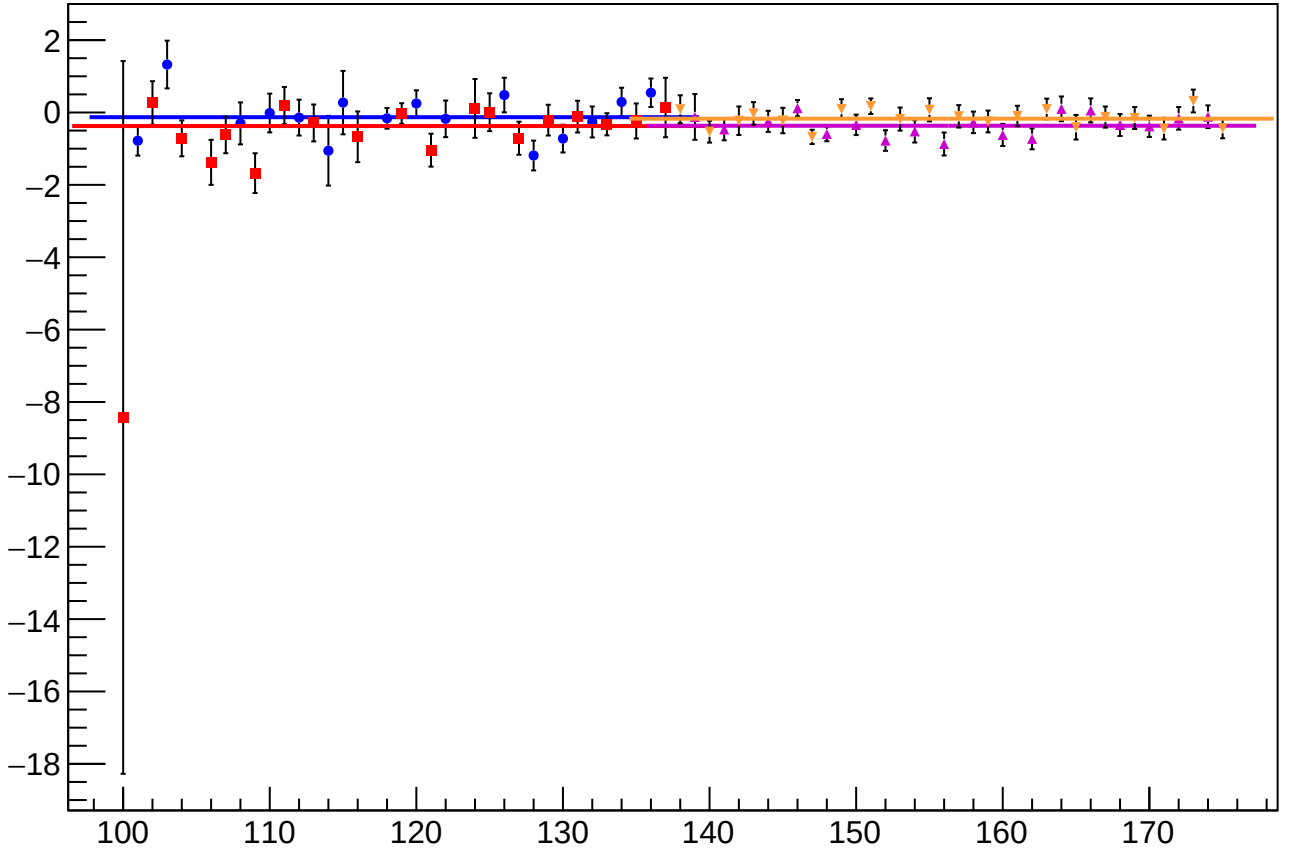
Left In: -0.105+/-0.096 χ^2/NDF:13.6/17

+ sign 0.218+/-0.070 χ^2/NDF: 63.0/35

All: 0.183+/-0.050 χ^2/NDF: 103.6/72

- sign 0.146+/-0.071 χ^2/NDF: 40.1/36

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.171+/-0.065 χ^2/NDF:18.4/19

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

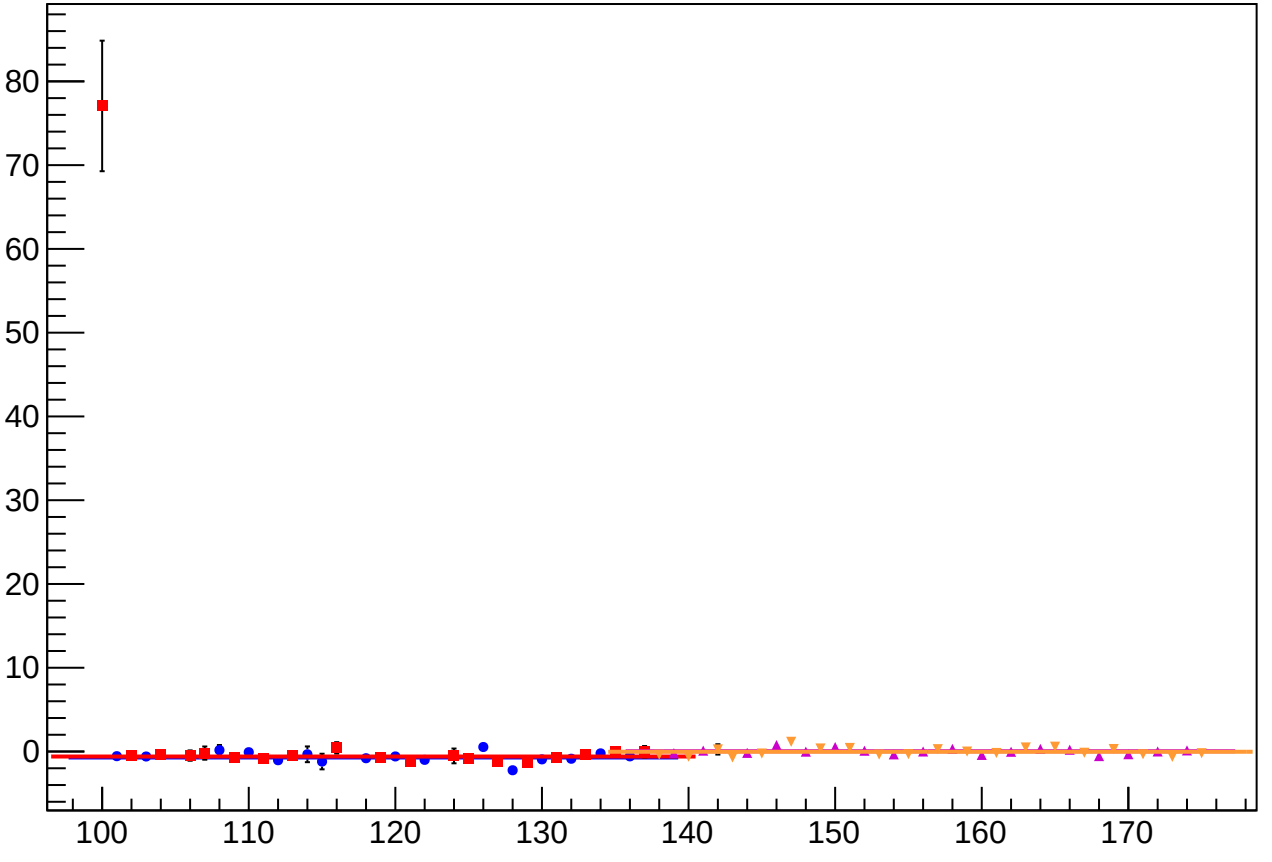
Left In: -0.366+/-0.069 χ^2/NDF:18.1/17

+ sign -0.160+/-0.056 χ^2/NDF: 43.1/35

All: -0.260+/-0.041 χ^2/NDF: 86.0/72

- sign -0.369+/-0.059 χ^2/NDF: 36.3/36

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.029+/-0.090 χ^2/NDF:26.7/19

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

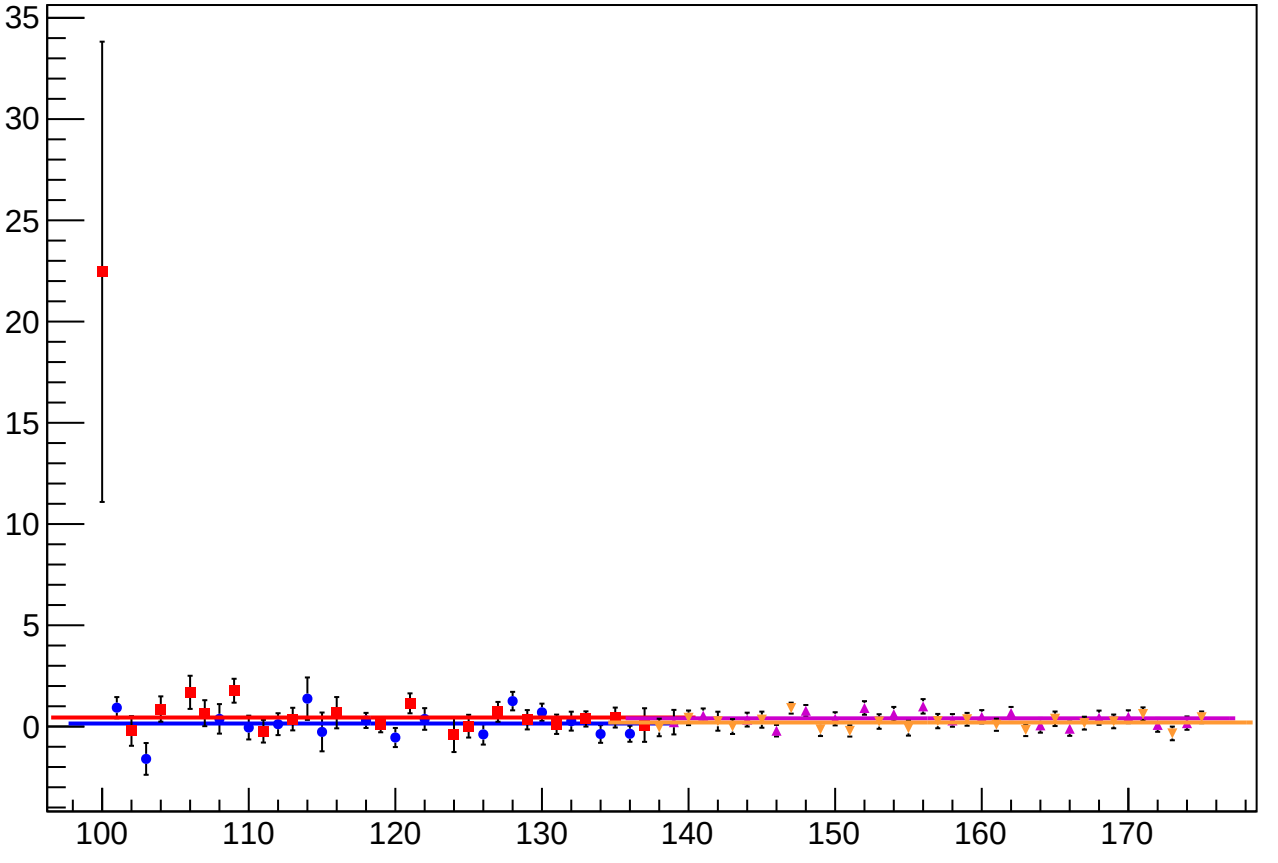
Left In: 0.033+/-0.094 χ^2/NDF:12.2/17

+ sign -0.270+/-0.072 χ^2/NDF: 72.1/35

All: -0.238+/-0.052 χ^2/NDF: 212.4/72

- sign -0.203+/-0.075 χ^2/NDF: 139.9/36

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.199+/-0.075 χ^2/NDF:19.1/19

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

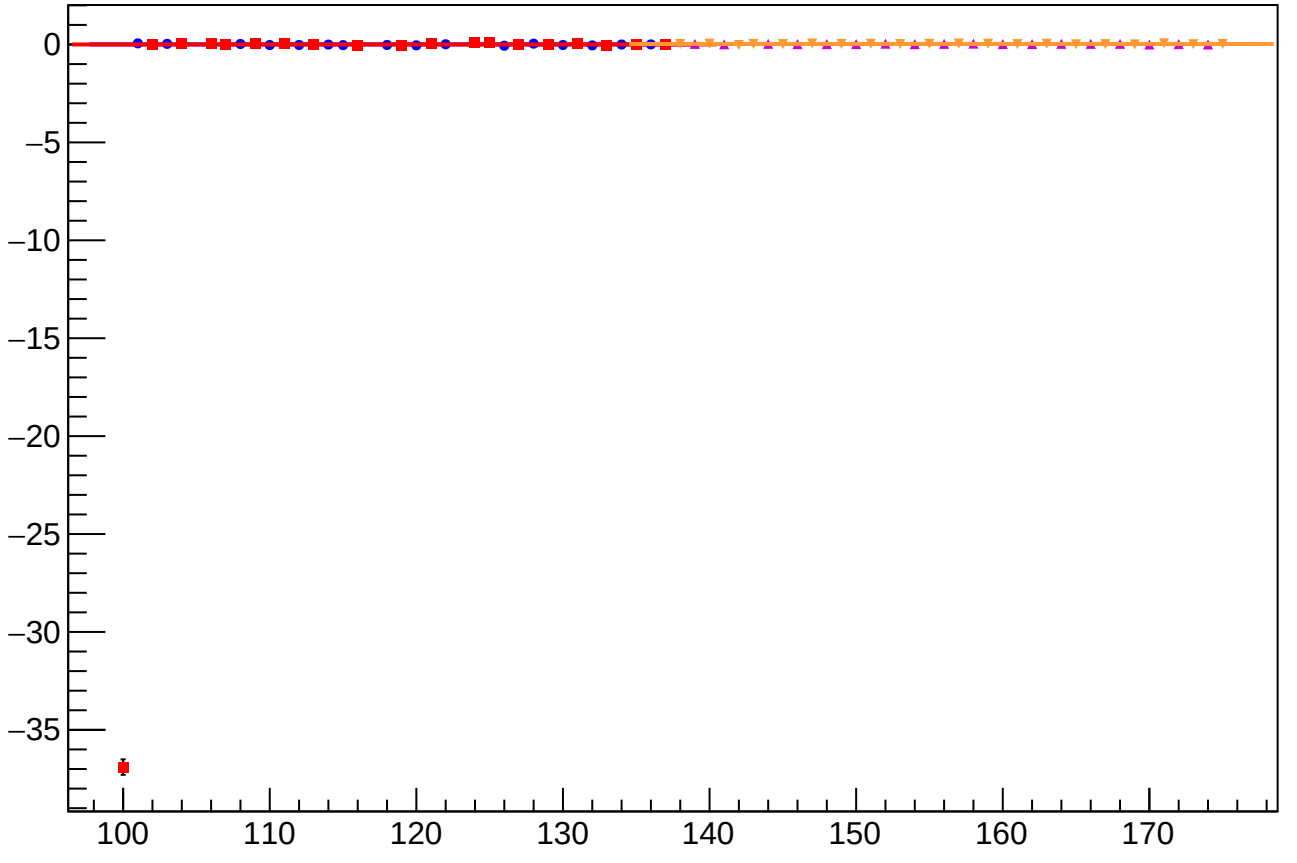
Left In: 0.404+/-0.079 χ^2/NDF:17.4/17

+ sign 0.186+/-0.065 χ^2/NDF: 42.4/35

All: 0.296+/-0.047 χ^2/NDF: 85.7/72

- sign 0.415+/-0.067 χ^2/NDF: 37.2/36

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.027+/-0.003 χ^2/NDF:21.8/19

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

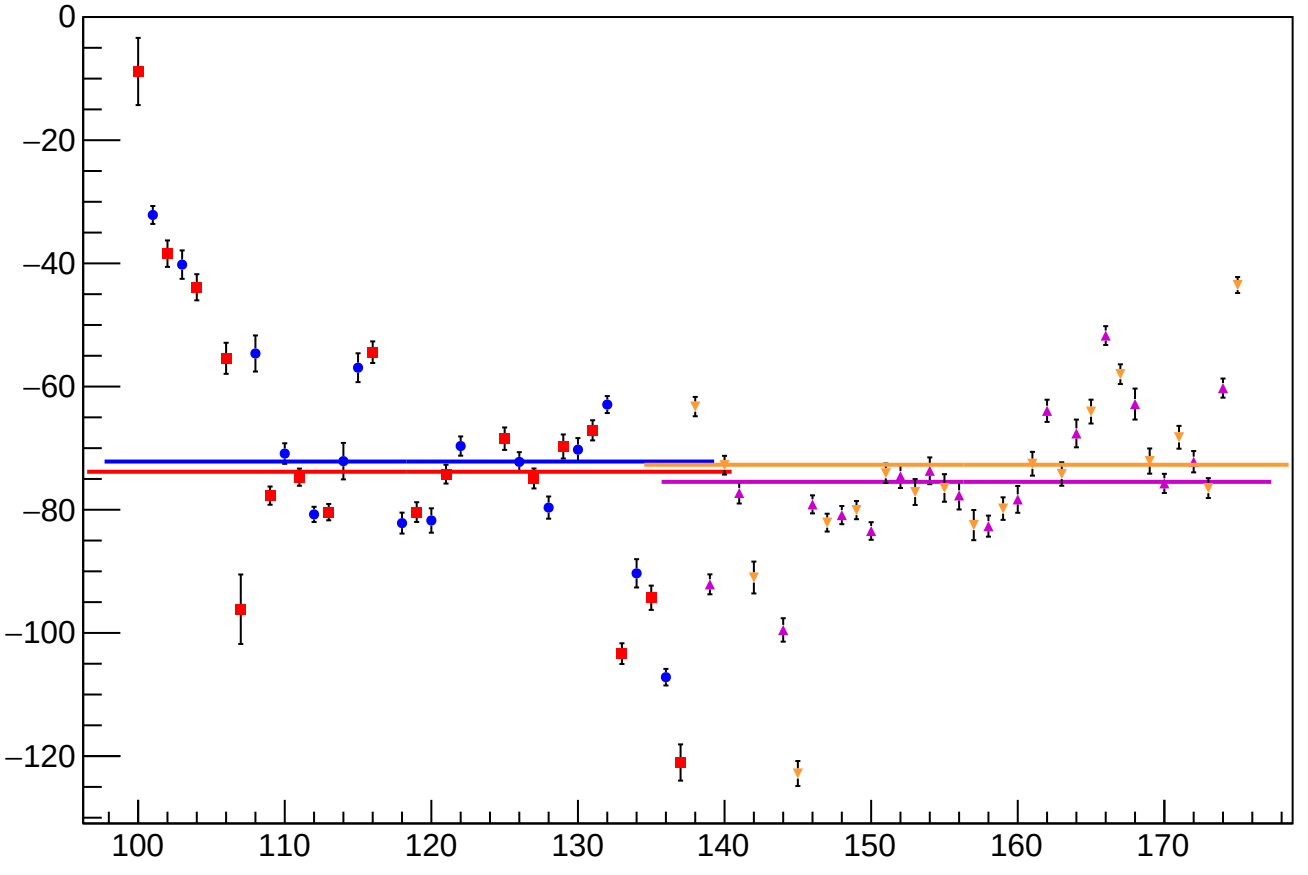
Left In: 0.027+/-0.003 χ^2/NDF:12.9/17

+ sign 0.024+/-0.003 χ^2/NDF: 46.1/35

All: 0.023+/-0.002 χ^2/NDF: 8821.6/72

- sign 0.023+/-0.003 χ^2/NDF: 8775.5/36

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -72.694+/-0.403 χ^2/NDF:1423.3/18

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

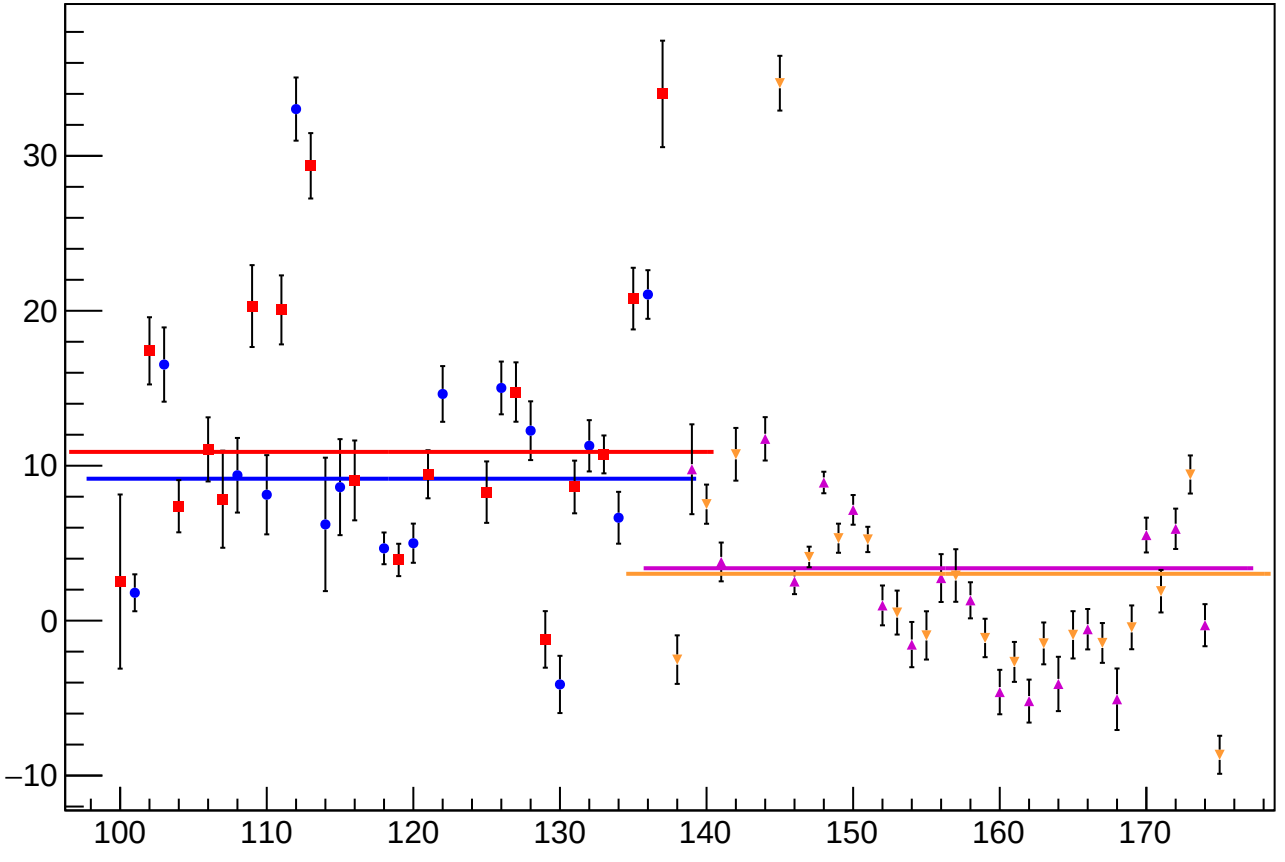
Left In: -75.473+/-0.412 χ^2/NDF:757.7/17

+ sign -72.452+/-0.295 χ^2/NDF: 3360.1/34

All: -73.559+/-0.209 χ^2/NDF: 5711.6/70

- sign -74.689+/-0.298 χ^2/NDF: 2323.0/35

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 3.023+/-0.277 χ^2/NDF:577.0/18

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

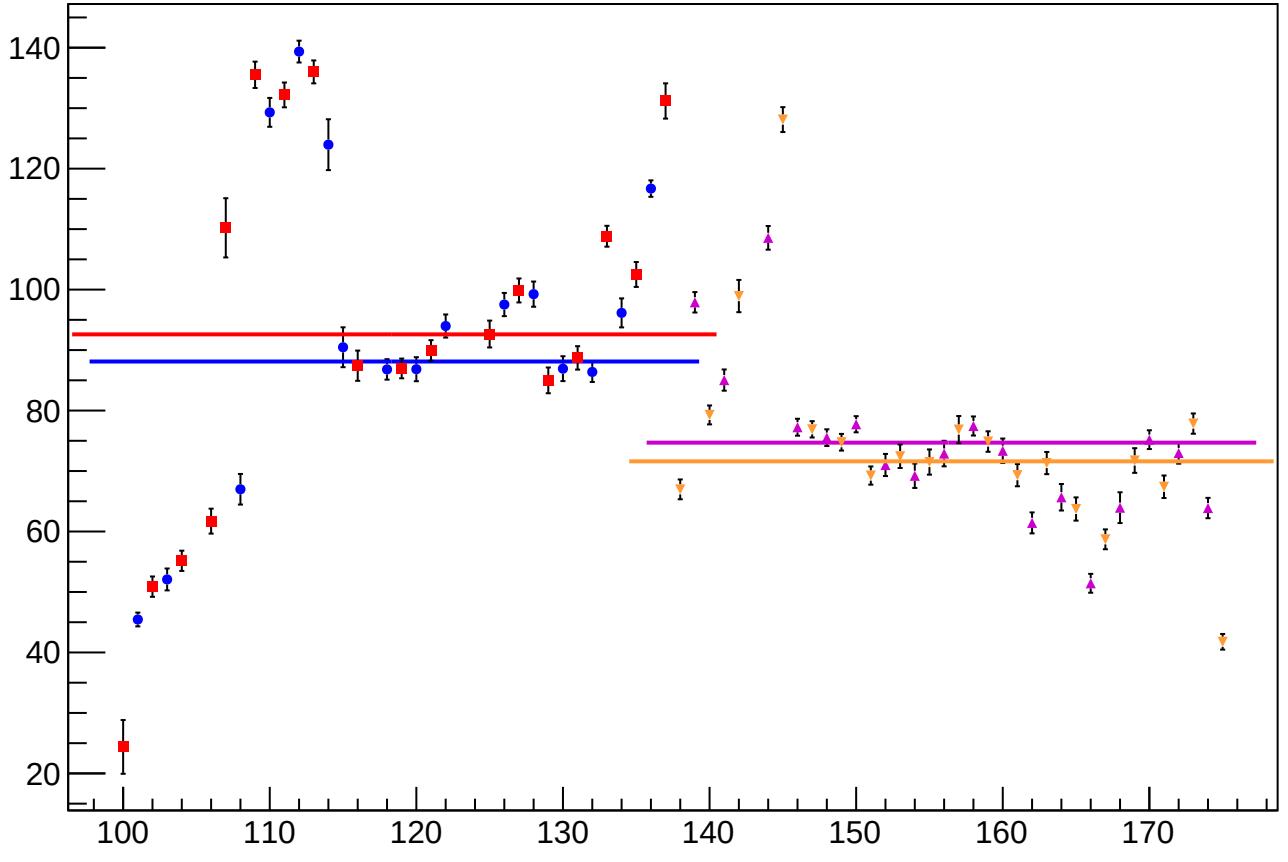
Left In: 3.382+/-0.286 χ^2/NDF:268.2/17

+ sign 4.853+/-0.232 χ^2/NDF: 1075.4/34

All: 5.218+/-0.167 χ^2/NDF: 1843.8/70

- sign 5.607+/-0.240 χ^2/NDF: 763.3/35

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 71.604+/-0.394 χ^2/NDF:1554.8/18

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

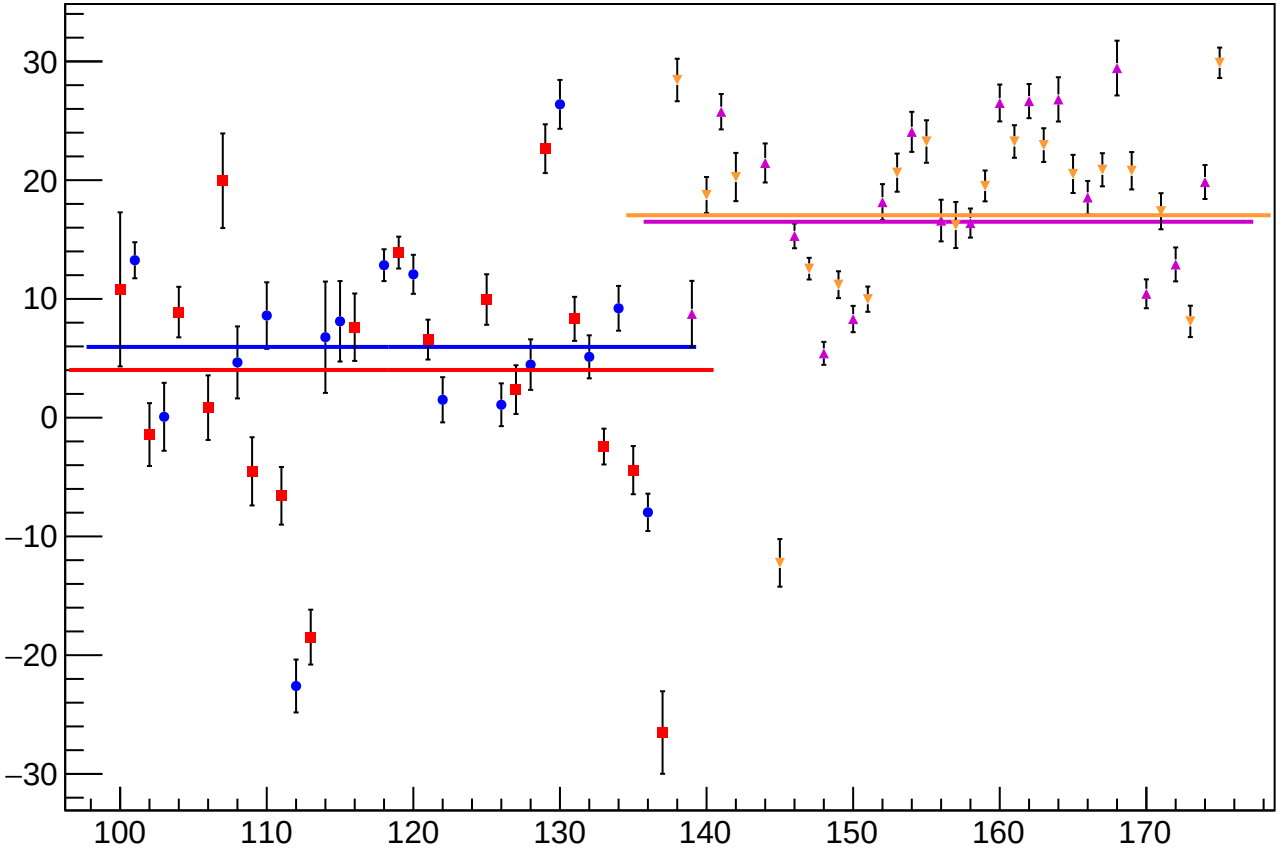
Left In: 74.694+/-0.403 χ^2/NDF:905.6/17

+ sign 78.445+/-0.302 χ^2/NDF: 5842.9/34

All: 80.199+/-0.216 χ^2/NDF: 10838.0/70

- sign 82.048+/-0.310 χ^2/NDF: 4925.6/35

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 17.049+/-0.323 χ^2/NDF:575.1/18

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

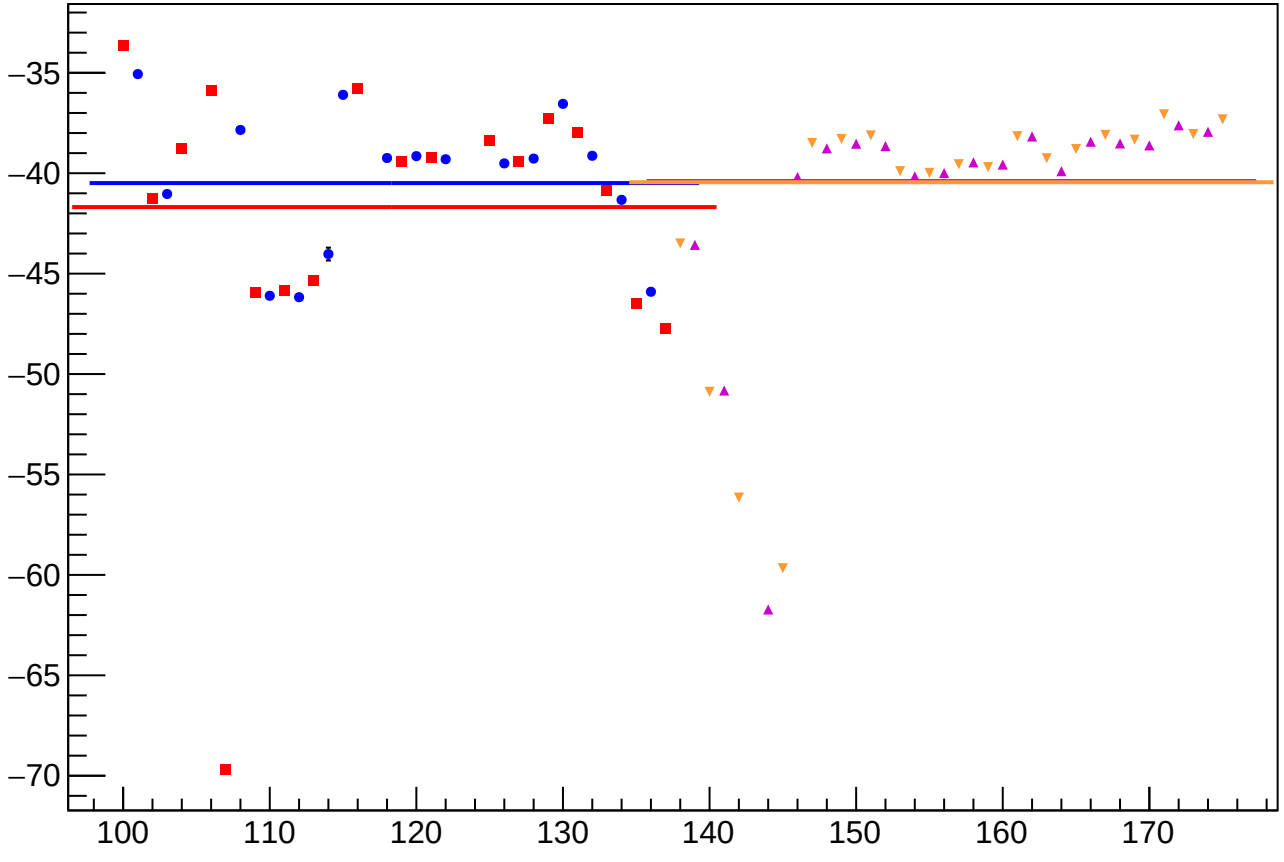
Left In: 16.498+/-0.332 χ^2/NDF:456.6/17

+ sign 13.739+/-0.270 χ^2/NDF: 1354.5/34

All: 13.275+/-0.194 χ^2/NDF: 2656.2/70

- sign 12.782+/-0.278 χ^2/NDF: 1295.5/35

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -40.449+/-0.015 χ^2/NDF:117215.1/18

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

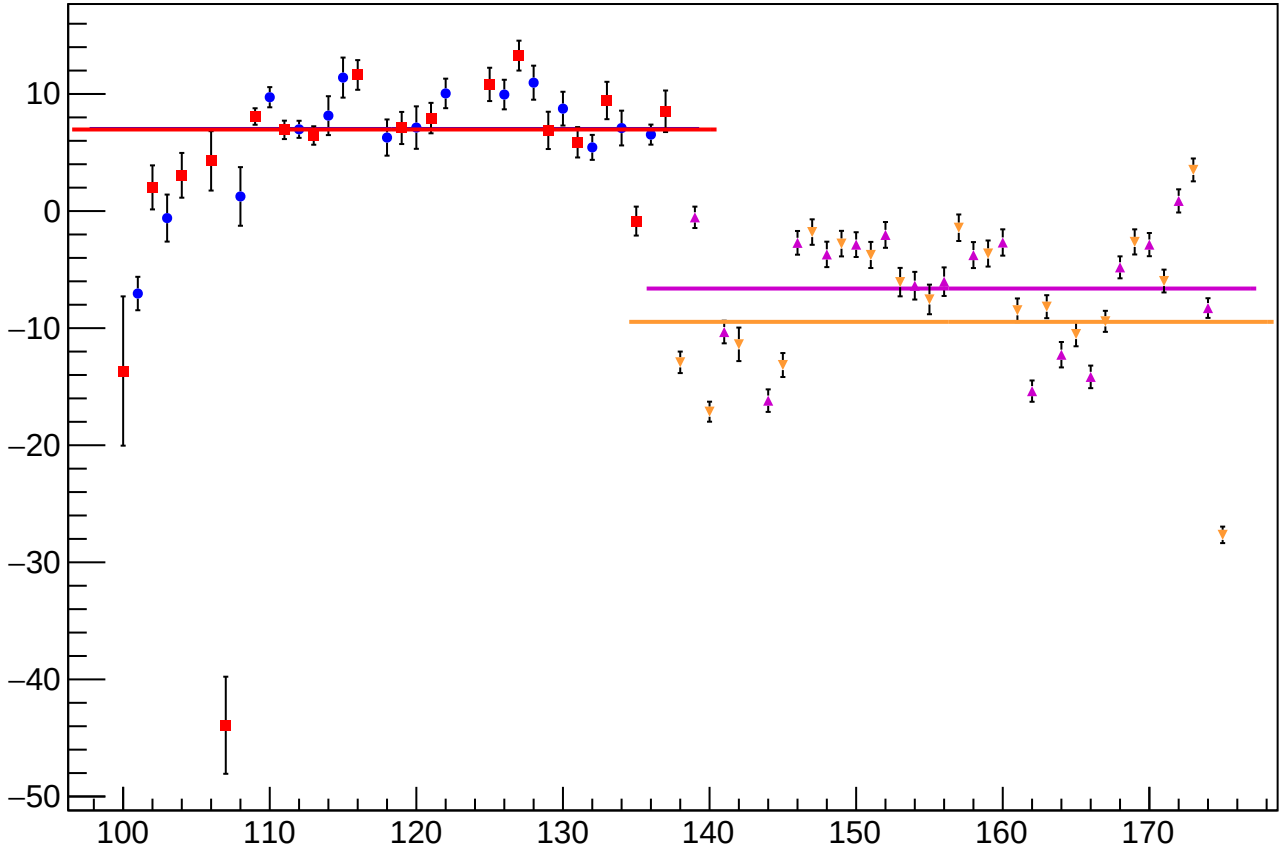
Left In: -40.392+/-0.015 χ^2/NDF:93433.2/17

+ sign -40.458+/-0.013 χ^2/NDF: 135342.2/34

All: -40.560+/-0.009 χ^2/NDF: 267277.2/70

- sign -40.663+/-0.013 χ^2/NDF: 131817.1/35

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -9.462+/-0.232 χ^2/NDF:1212.0/18

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

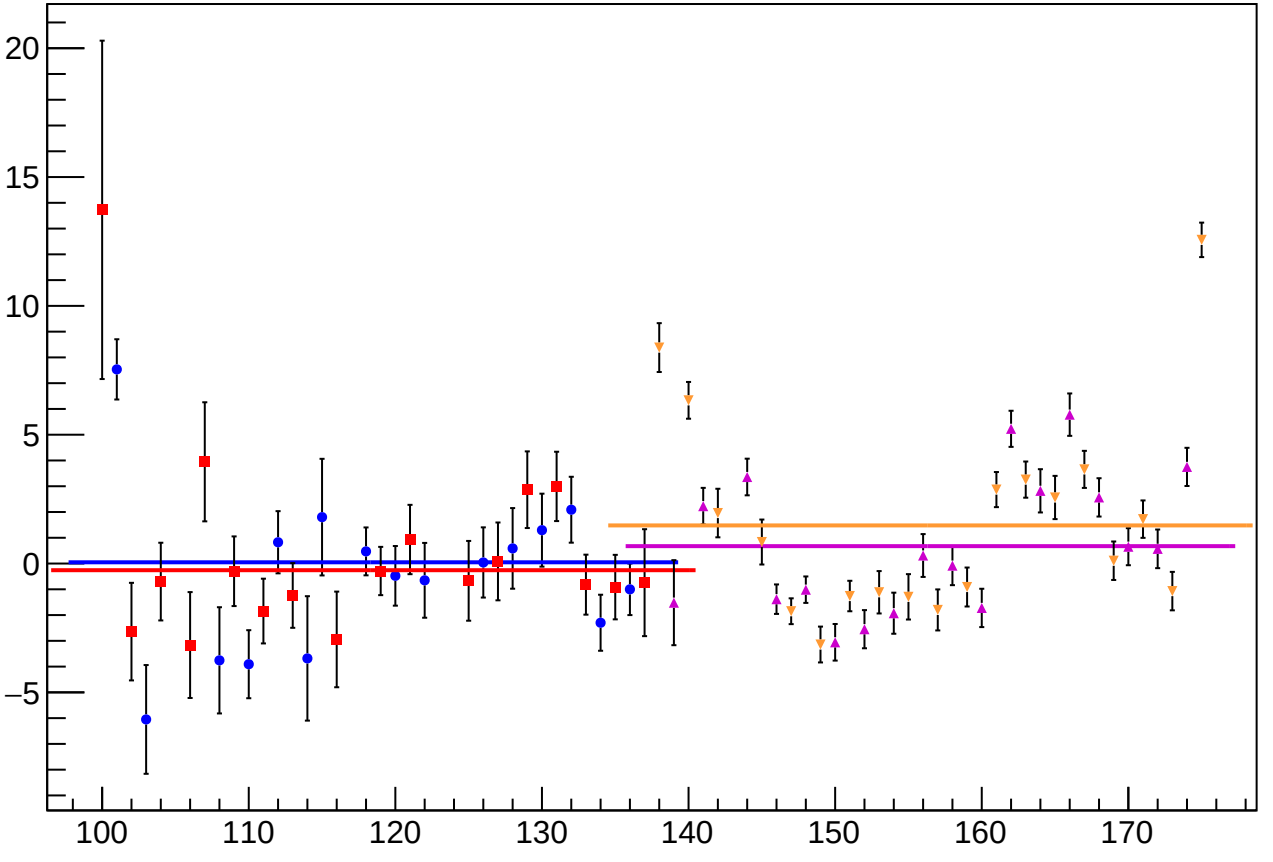
Left In: -6.617+/-0.238 χ^2/NDF:489.7/17

\+ sign -3.520+/-0.186 χ^2/NDF: 3182.2/34

All: -2.424+/-0.131 χ^2/NDF: 5274.2/70

\- sign -1.322+/-0.186 χ^2/NDF: 2022.1/35

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 1.480+/-0.167 χ^2/NDF:567.6/18

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

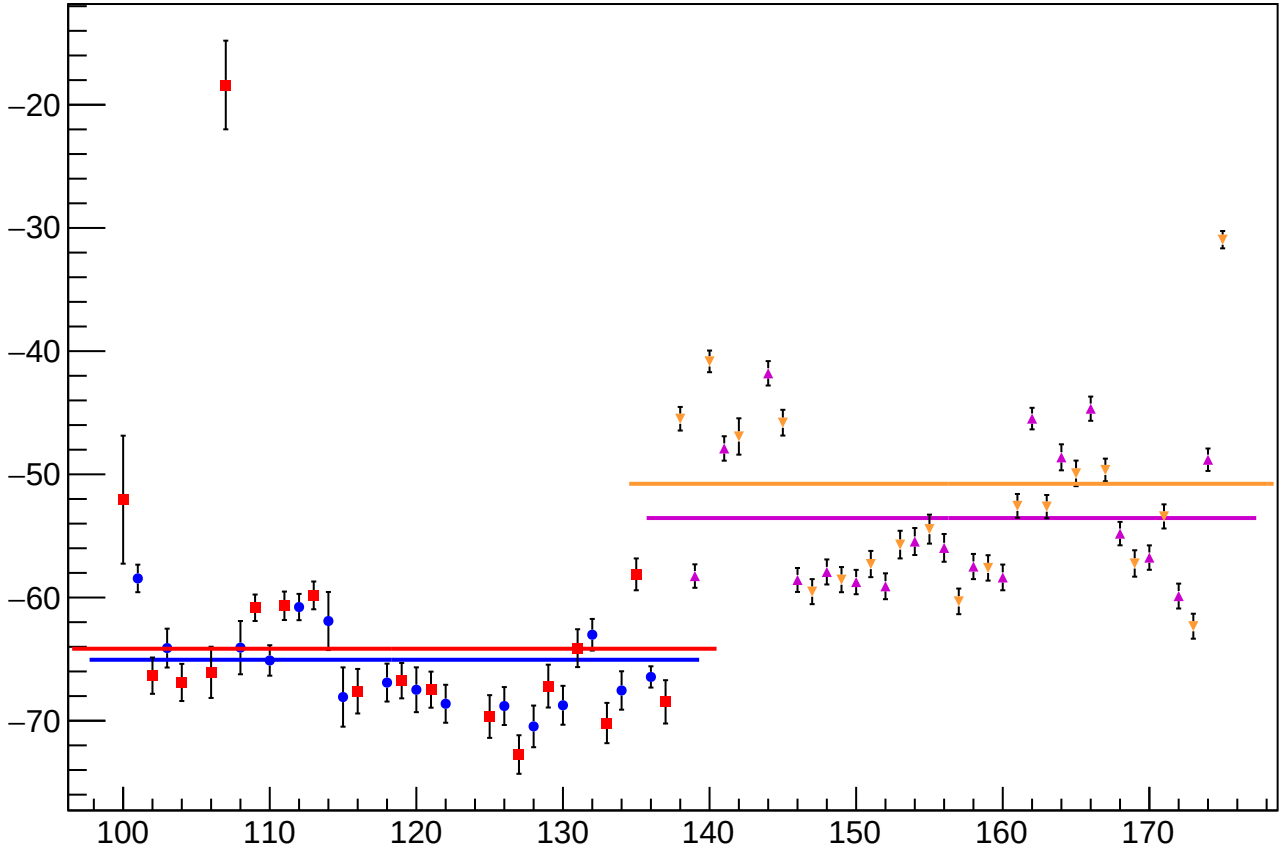
Left In: 0.675+/-0.172 χ^2/NDF:224.4/17

+ sign 1.189+/-0.149 χ^2/NDF: 657.4/34

All: 0.850+/-0.107 χ^2/NDF: 925.9/70

- sign 0.489+/-0.154 χ^2/NDF: 257.8/35

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -50.767+/-0.228 χ^2/NDF:1493.3/18

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

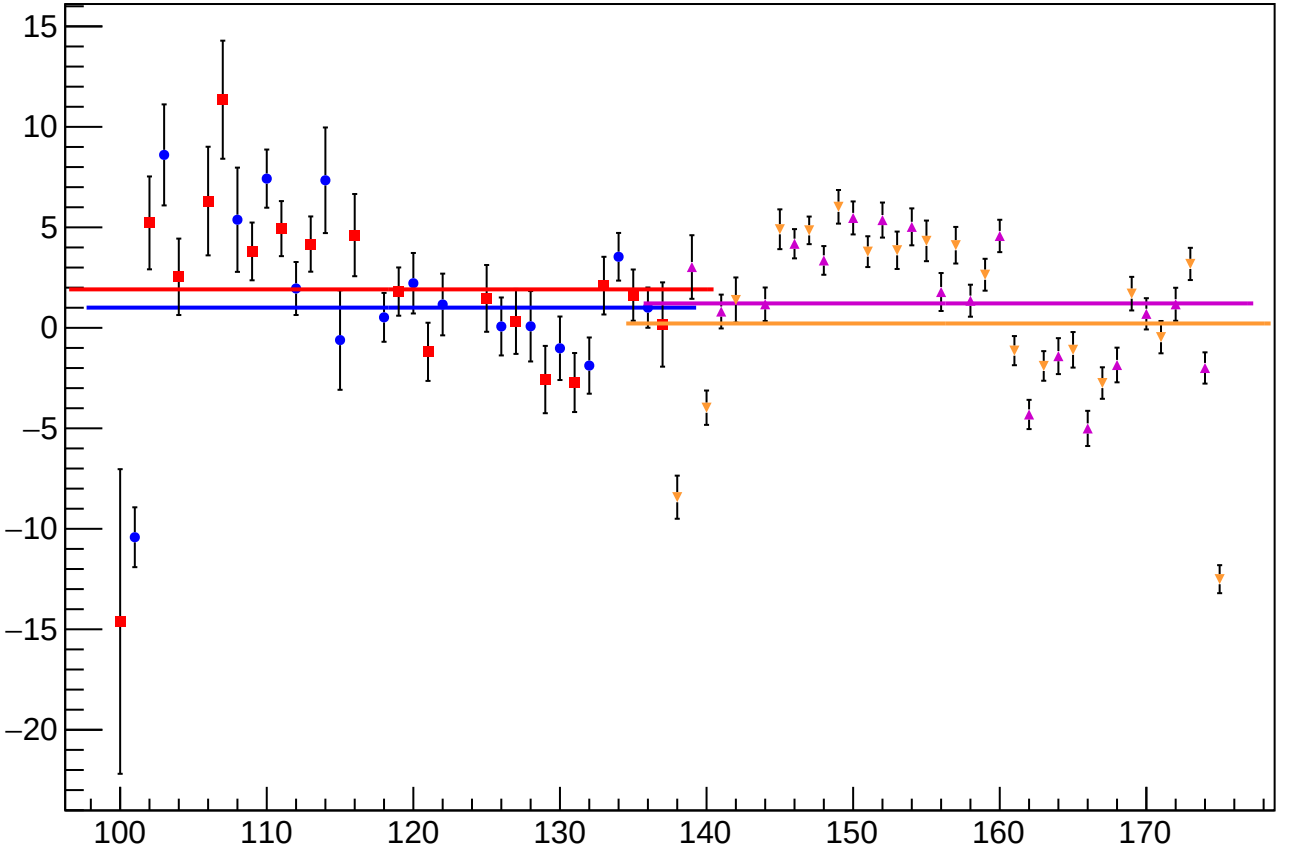
Left In: -53.548+/-0.235 χ^2/NDF:609.6/17

+ sign -54.967+/-0.192 χ^2/NDF: 2735.5/34

All: -55.816+/-0.137 χ^2/NDF: 4297.0/70

- sign -56.707+/-0.197 χ^2/NDF: 1521.4/35

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 0.217+/-0.191 χ^2/NDF:666.3/18

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

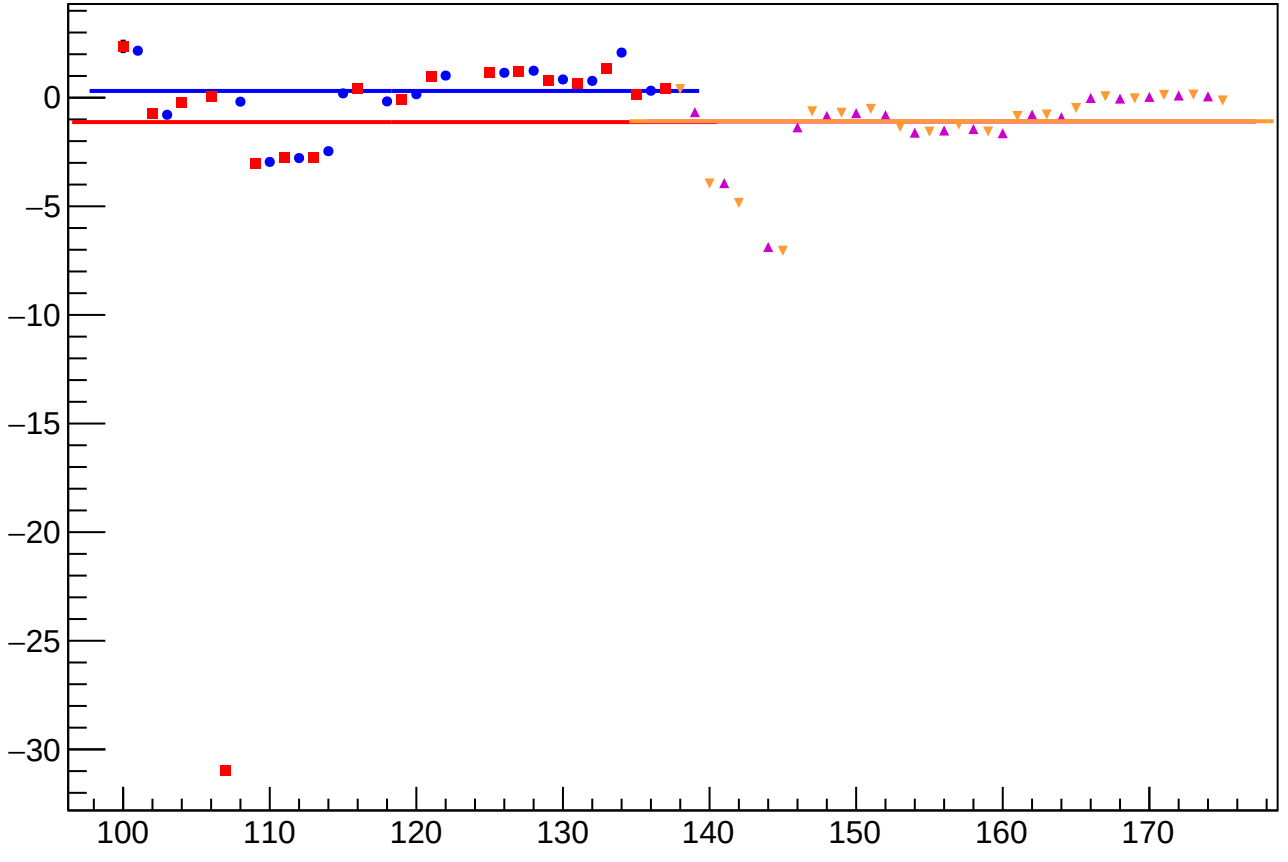
Left In: 1.215+/-0.196 χ^2/NDF:258.4/17

+ sign 0.379+/-0.170 χ^2/NDF: 779.1/34

All: 0.853+/-0.122 χ^2/NDF: 1110.6/70

- sign 1.357+/-0.175 χ^2/NDF: 315.5/35

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.084+/-0.009 χ^2/NDF:38186.3/18

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

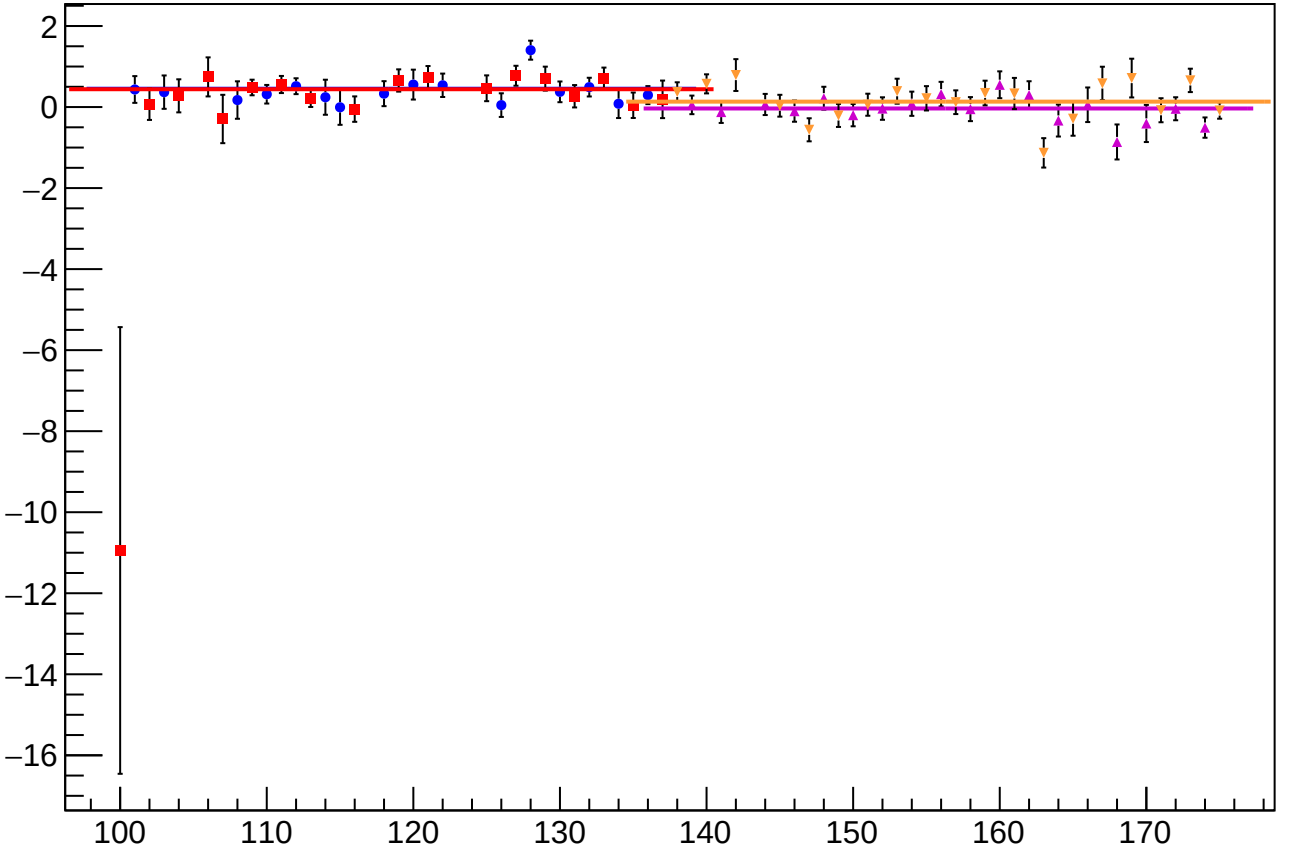
Left In: -1.097+/-0.009 χ^2/NDF:28457.4/17

+ sign -0.884+/-0.008 χ^2/NDF: 46787.8/34

All: -0.991+/-0.006 χ^2/NDF: 121958.8/70

- sign -1.101+/-0.008 χ^2/NDF: 74806.6/35

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.134+/-0.068 χ^2/NDF:37.2/18

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

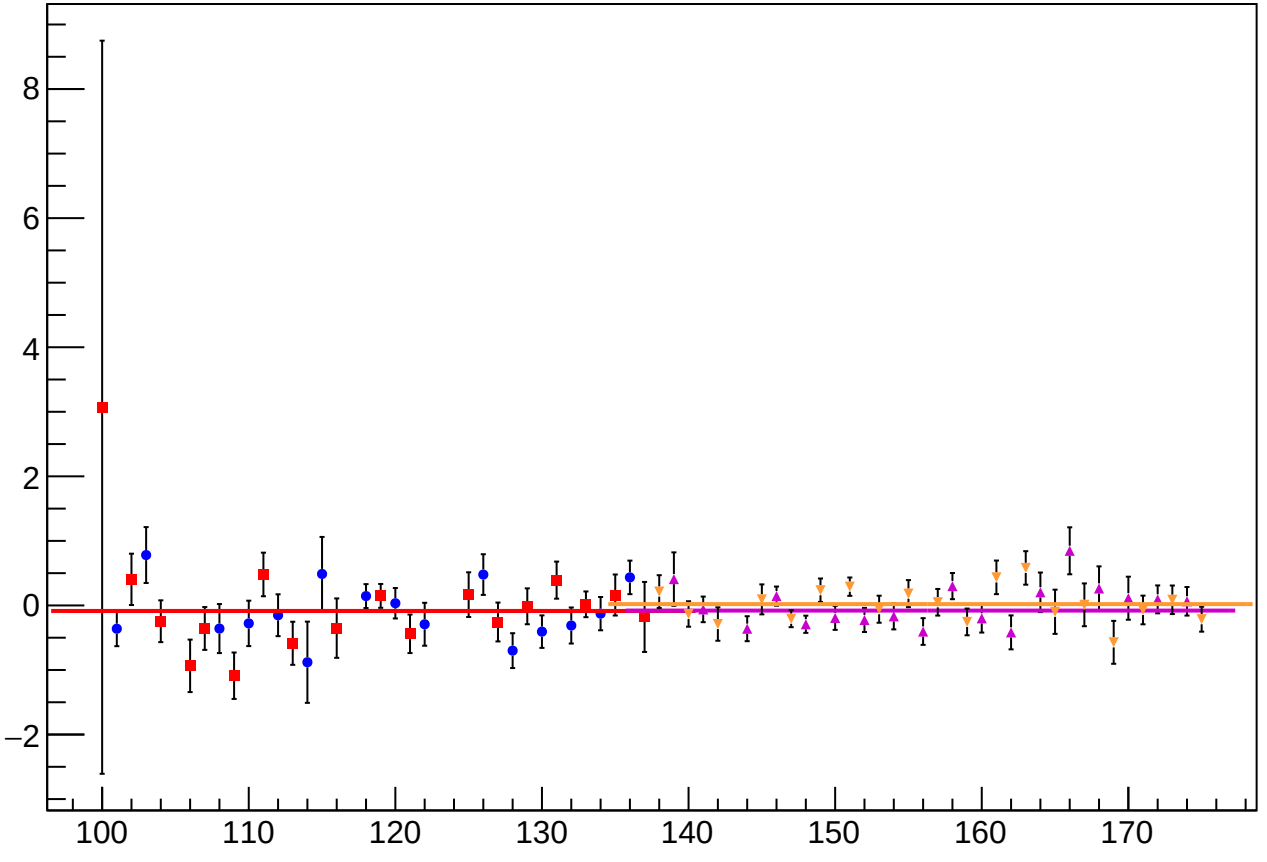
Left In: -0.036+/-0.070 χ^2/NDF:15.7/17

+ sign 0.286+/-0.049 χ^2/NDF: 70.3/34

All: 0.245+/-0.035 χ^2/NDF: 129.0/70

- sign 0.204+/-0.049 χ^2/NDF: 57.3/35

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.020+/-0.048 χ^2/NDF:25.4/18

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

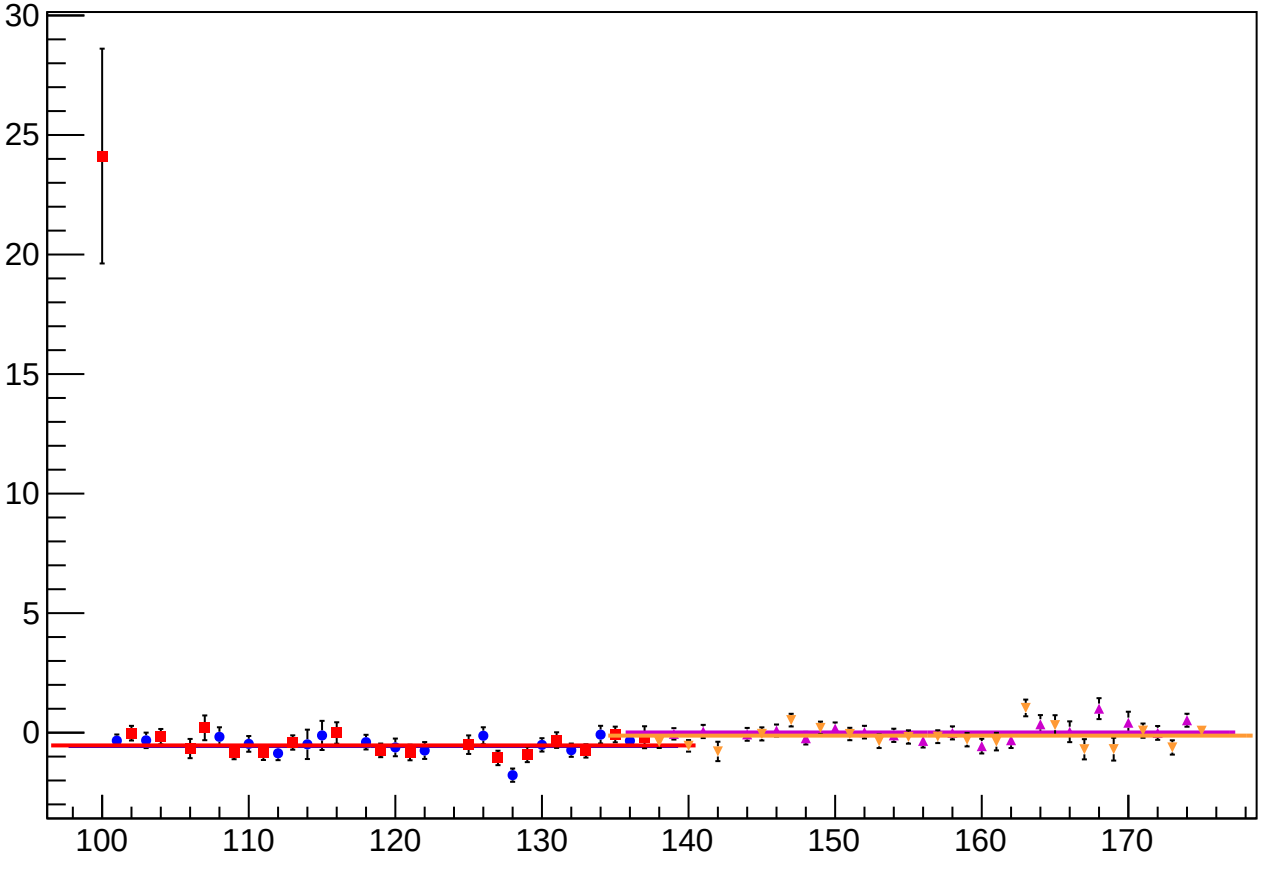
Left In: -0.080+/-0.050 χ^2/NDF:27.1/17

+ sign -0.012+/-0.040 χ^2/NDF: 52.3/34

All: -0.046+/-0.029 χ^2/NDF: 108.8/70

- sign -0.082+/-0.041 χ^2/NDF: 55.0/35

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.123+/-0.067 χ^2/NDF:35.6/18

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

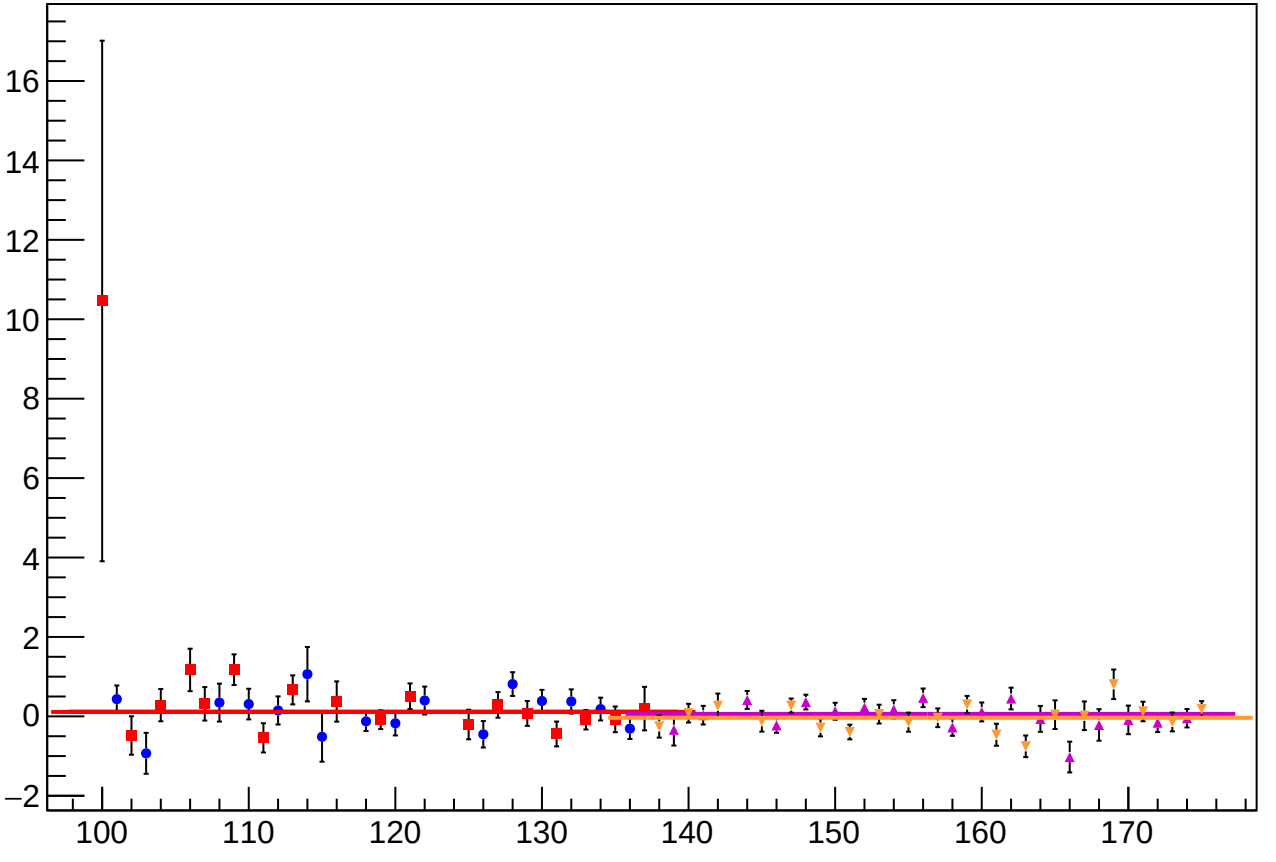
Left In: 0.009+/-0.069 χ^2/NDF:18.0/17

+ sign -0.302+/-0.051 χ^2/NDF: 81.5/34

All: -0.262+/-0.037 χ^2/NDF: 176.1/70

- sign -0.220+/-0.052 χ^2/NDF: 93.3/35

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.036+/-0.056 χ^2/NDF:28.9/18

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

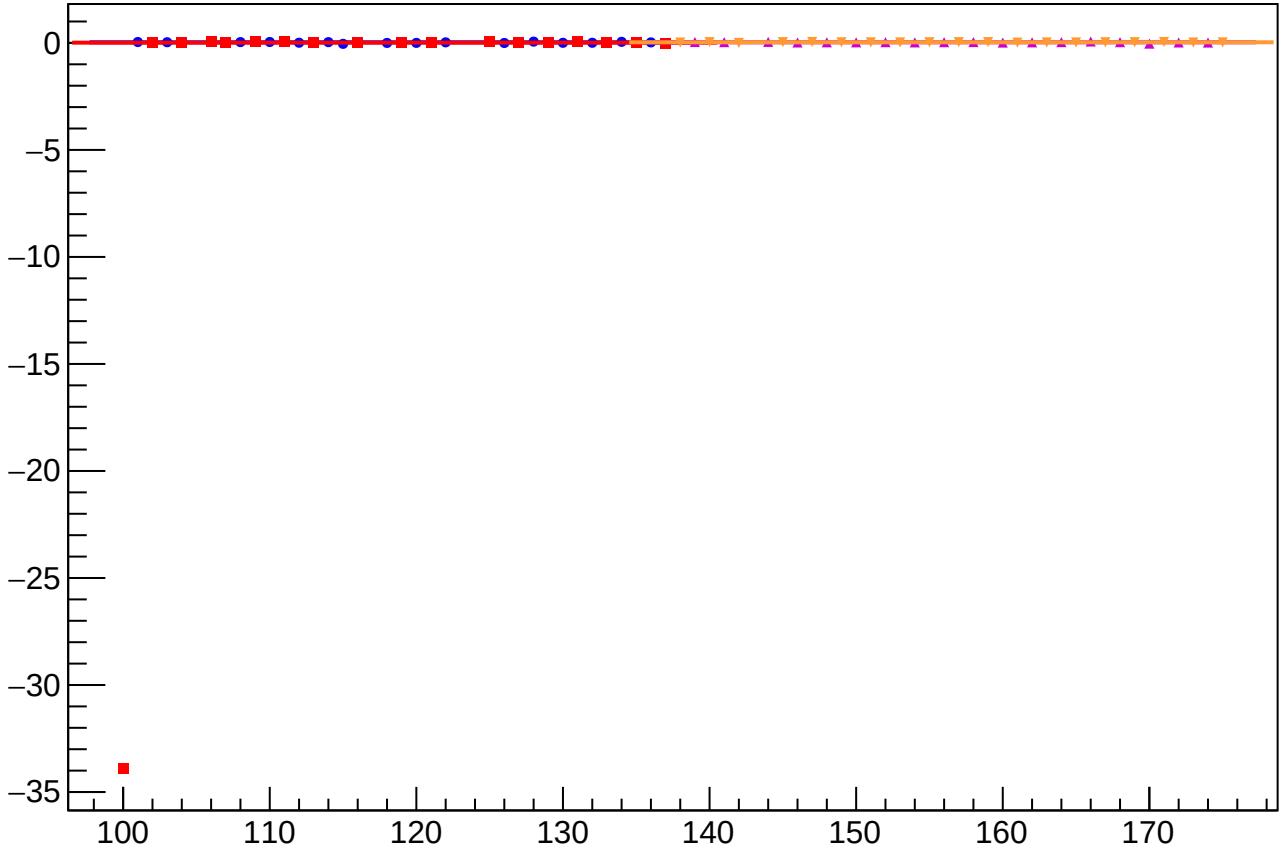
Left In: 0.061+/-0.058 χ^2/NDF:26.6/17

+ sign 0.011+/-0.047 χ^2/NDF: 54.9/34

All: 0.043+/-0.033 χ^2/NDF: 111.6/70

- sign 0.077+/-0.048 χ^2/NDF: 55.8/35

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.003 χ^2/NDF:15.0/18

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

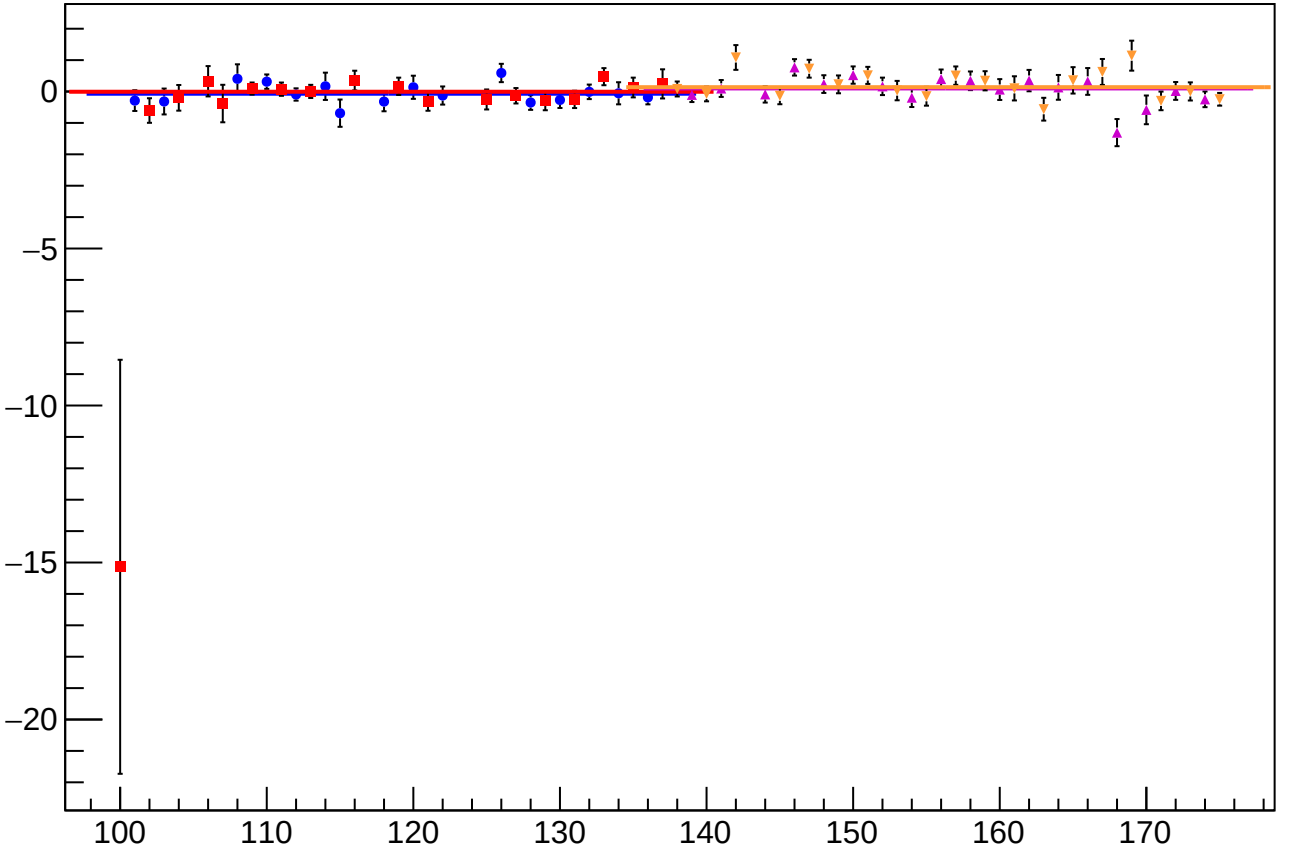
Left In: 0.029+/-0.003 χ^2/NDF:32.6/17

+ sign 0.028+/-0.002 χ^2/NDF: 29.7/34

All: 0.027+/-0.002 χ^2/NDF: 22335.0/70

- sign 0.026+/-0.002 χ^2/NDF: 22304.8/35

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.138+/-0.068 χ^2/NDF:32.9/18

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

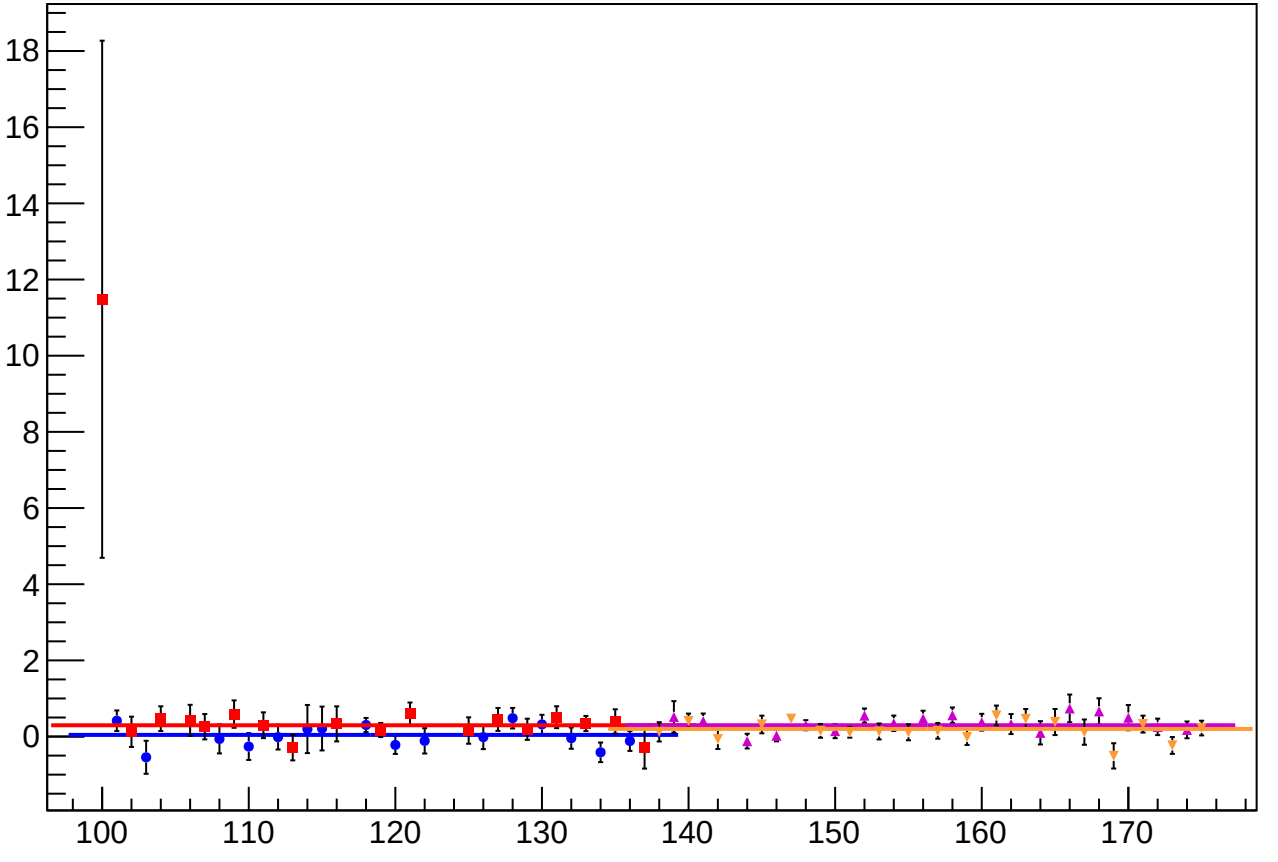
Left In: 0.098+/-0.070 χ^2/NDF:28.9/17

+ sign 0.039+/-0.049 χ^2/NDF: 52.9/34

All: 0.042+/-0.035 χ^2/NDF: 101.0/70

- sign 0.045+/-0.049 χ^2/NDF: 48.2/35

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.201+/-0.048 χ^2/NDF:20.5/18

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

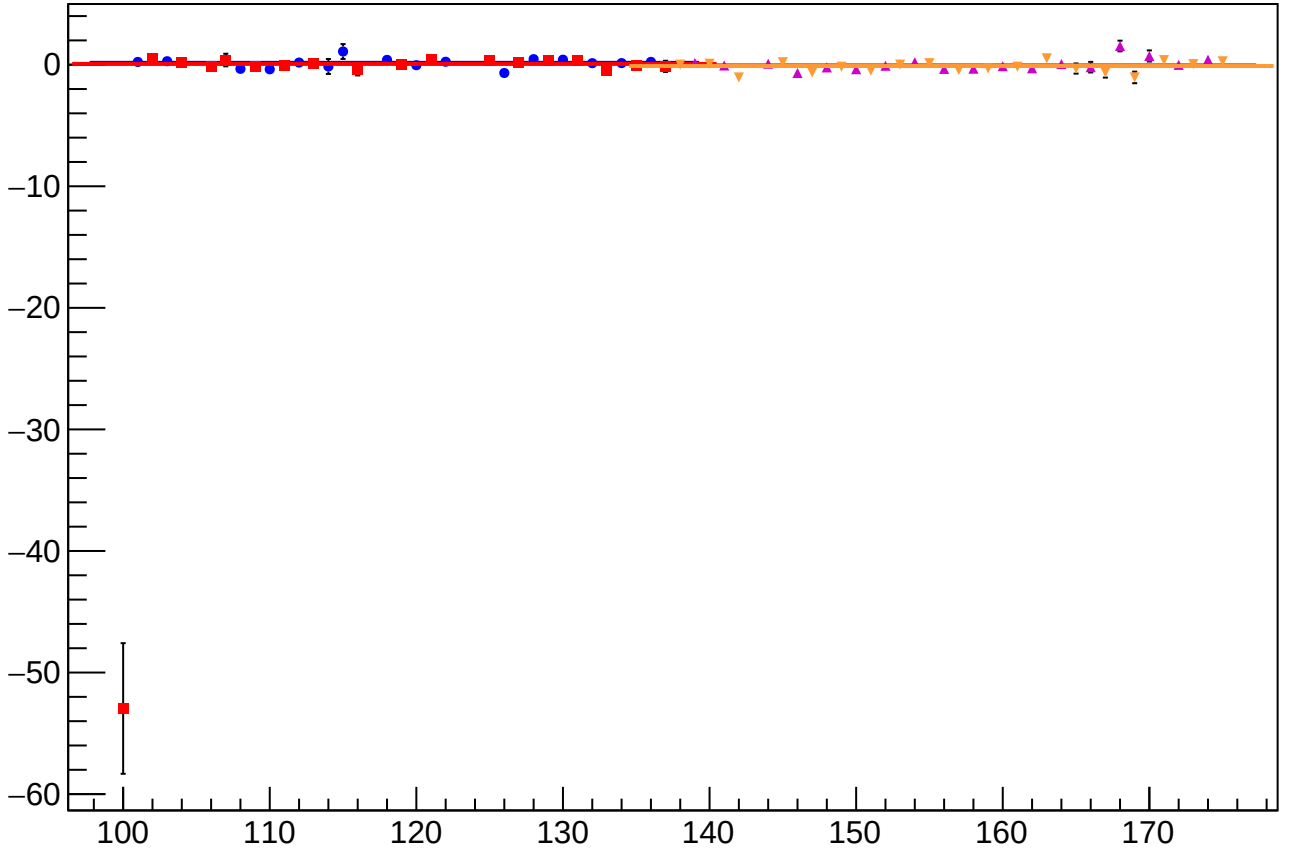
Left In: 0.297+/-0.050 χ^2/NDF:17.5/17

+ sign 0.153+/-0.040 χ^2/NDF: 39.4/34

All: 0.223+/-0.029 χ^2/NDF: 74.1/70

- sign 0.297+/-0.041 χ^2/NDF: 28.5/35

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.108+/-0.067 χ^2/NDF:32.0/18

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

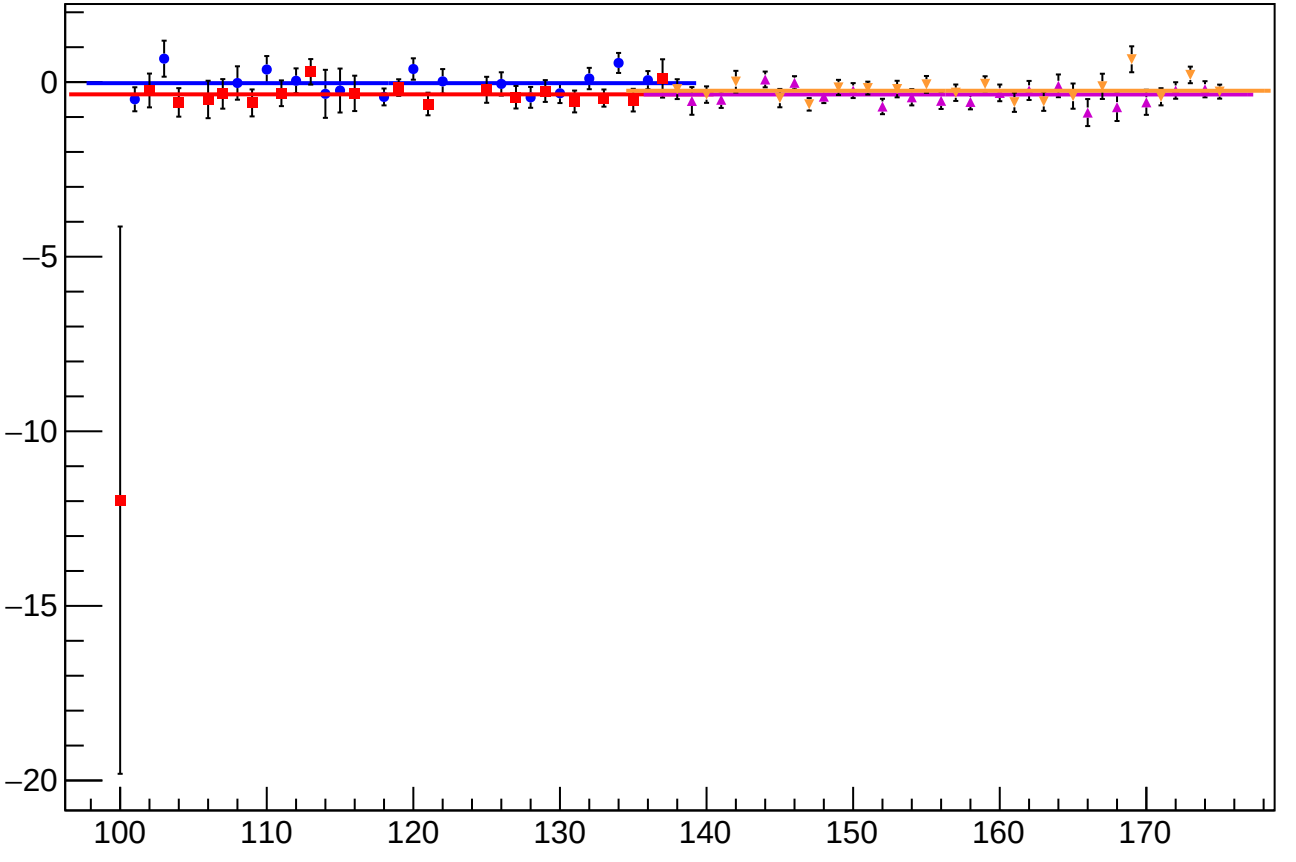
Left In: -0.055+/-0.069 χ^2/NDF:31.9/17

+ sign -0.000+/-0.051 χ^2/NDF: 53.9/34

All: -0.002+/-0.037 χ^2/NDF: 196.5/70

- sign -0.004+/-0.052 χ^2/NDF: 142.5/35

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.247+/-0.056 χ^2/NDF:21.2/18

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

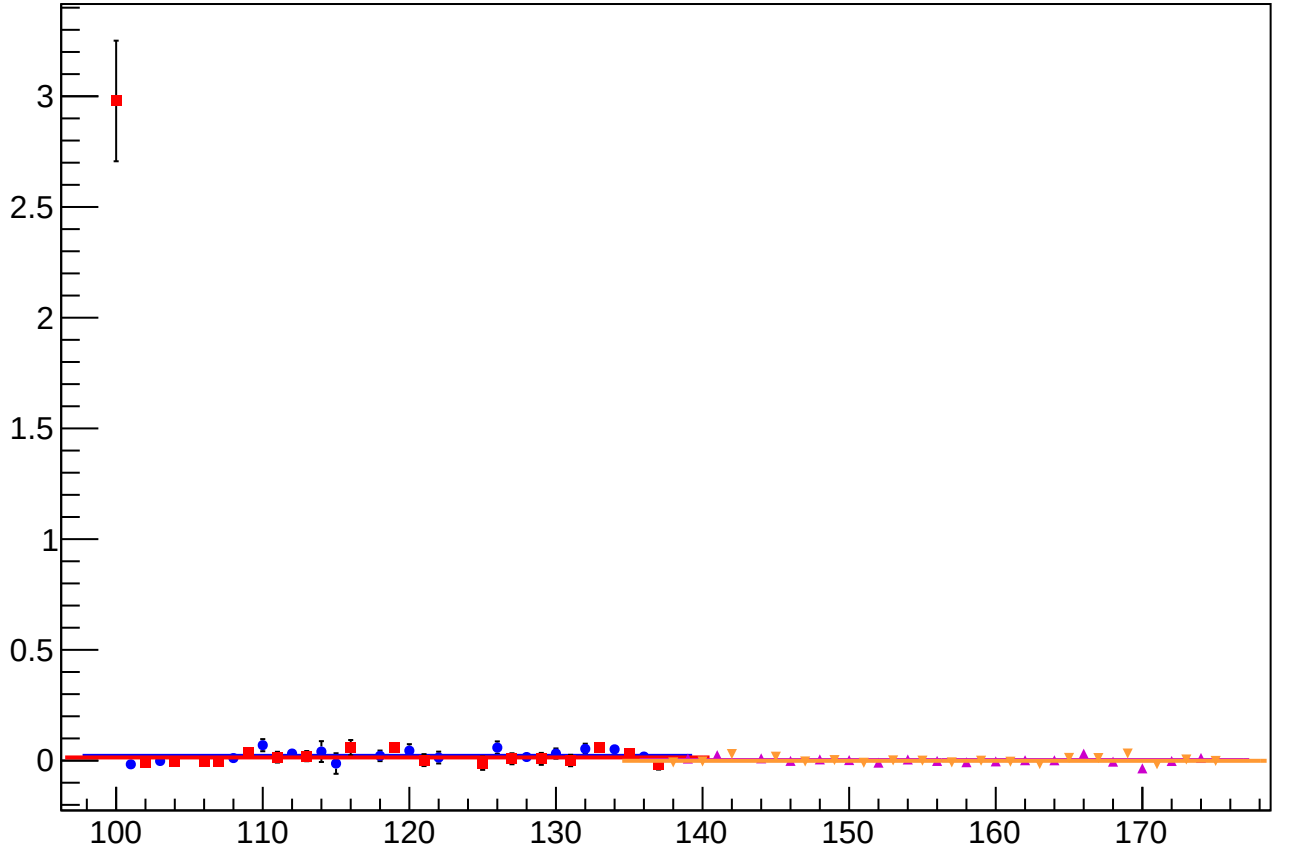
Left In: -0.354+/-0.058 χ^2/NDF:16.4/17

+ sign -0.180+/-0.047 χ^2/NDF: 42.6/34

All: -0.264+/-0.033 χ^2/NDF: 75.1/70

- sign -0.353+/-0.048 χ^2/NDF: 25.8/35

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:17.9/18

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

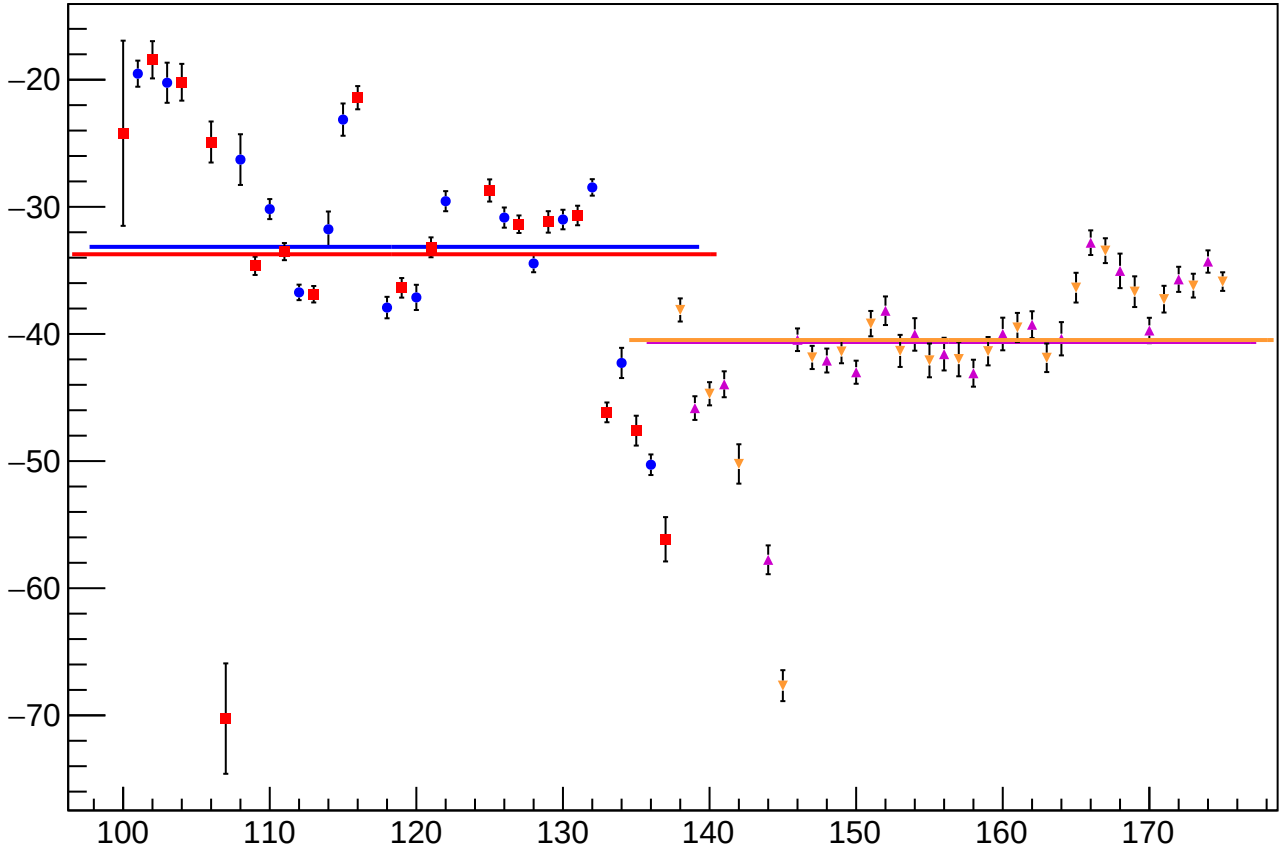
Left In: 0.002+/-0.003 χ^2/NDF:17.9/17

+ sign 0.004+/-0.002 χ^2/NDF: 57.2/34

All: 0.004+/-0.002 χ^2/NDF: 220.7/70

- sign 0.005+/-0.002 χ^2/NDF: 163.4/35

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -40.478+/-0.240 χ^2/NDF:721.4/18

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

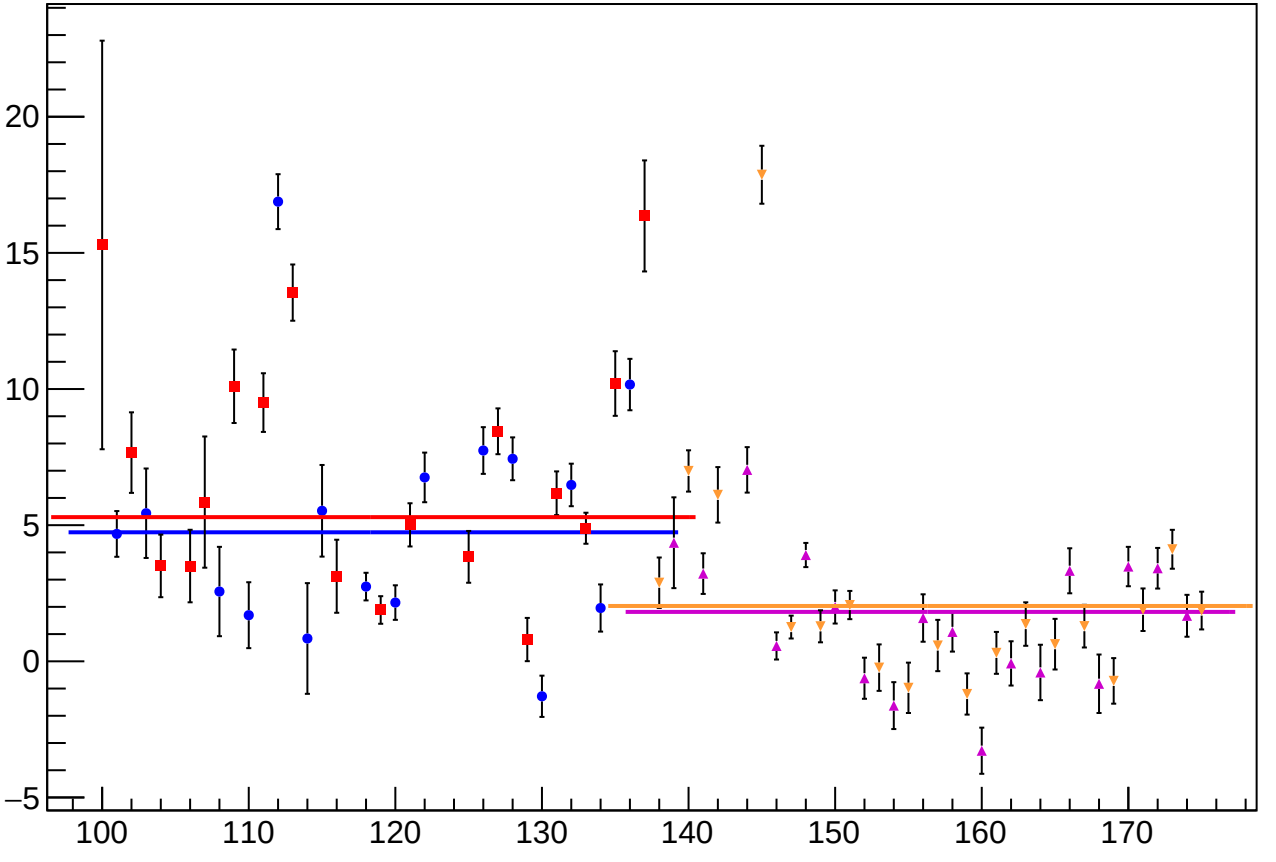
Left In: -40.631+/-0.247 χ^2/NDF:451.9/17

+ sign -36.461+/-0.161 χ^2/NDF: 2246.4/34

All: -36.583+/-0.114 χ^2/NDF: 4292.7/70

- sign -36.706+/-0.162 χ^2/NDF: 2045.1/35

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.033+/-0.168 χ^2/NDF:352.7/18

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

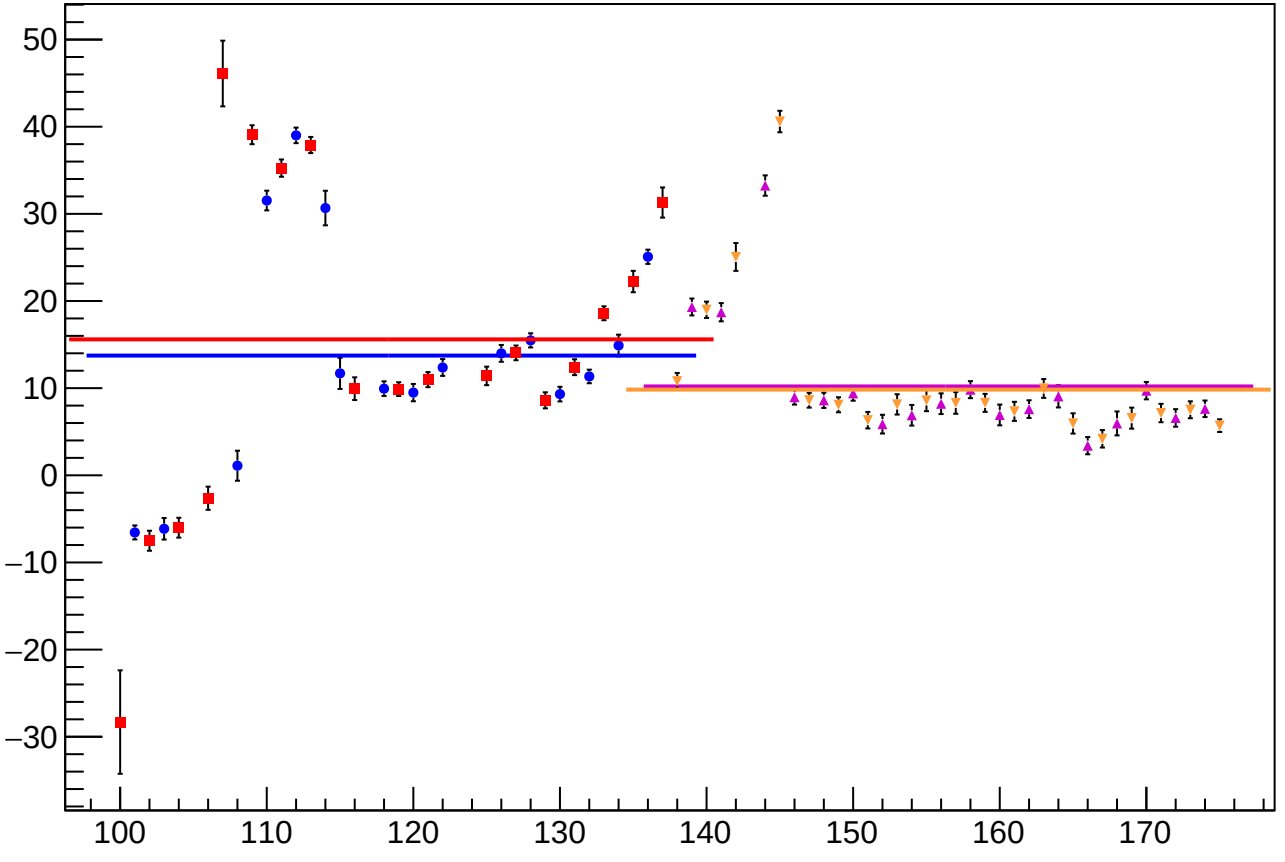
Left In: 1.815+/-0.173 χ^2/NDF:166.6/17

+ sign 3.031+/-0.133 χ^2/NDF: 778.4/34

All: 3.075+/-0.095 χ^2/NDF: 1341.9/70

- sign 3.122+/-0.137 χ^2/NDF: 563.2/35

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 9.833+/-0.235 χ^2/NDF:936.9/18

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

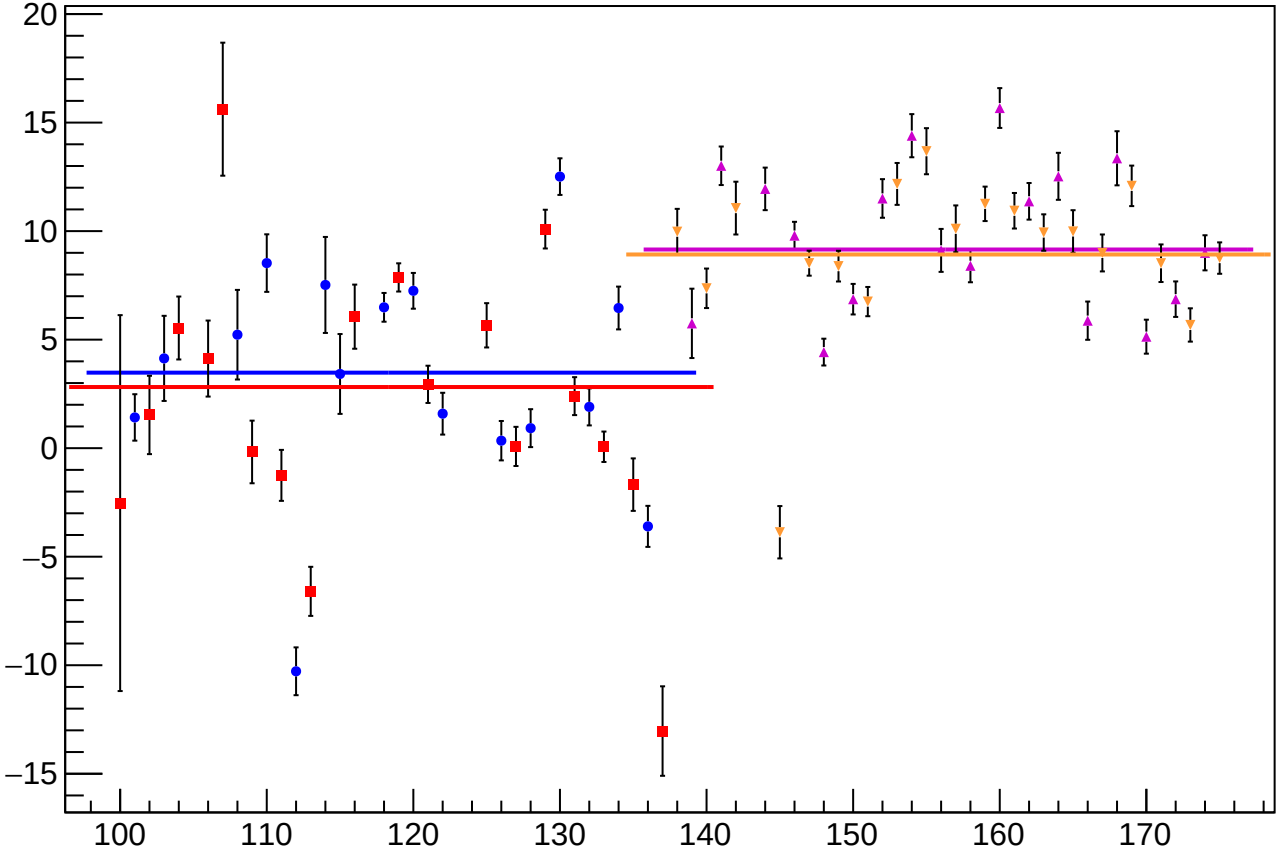
Left In: 10.197+/-0.242 χ^2/NDF:669.8/17

\+ sign 11.693+/-0.170 χ^2/NDF: 3417.9/34

All: 12.241+/-0.122 χ^2/NDF: 7175.9/70

\- sign 12.812+/-0.174 χ^2/NDF: 3736.8/35

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.924+/-0.194 χ^2/NDF:210.6/18

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

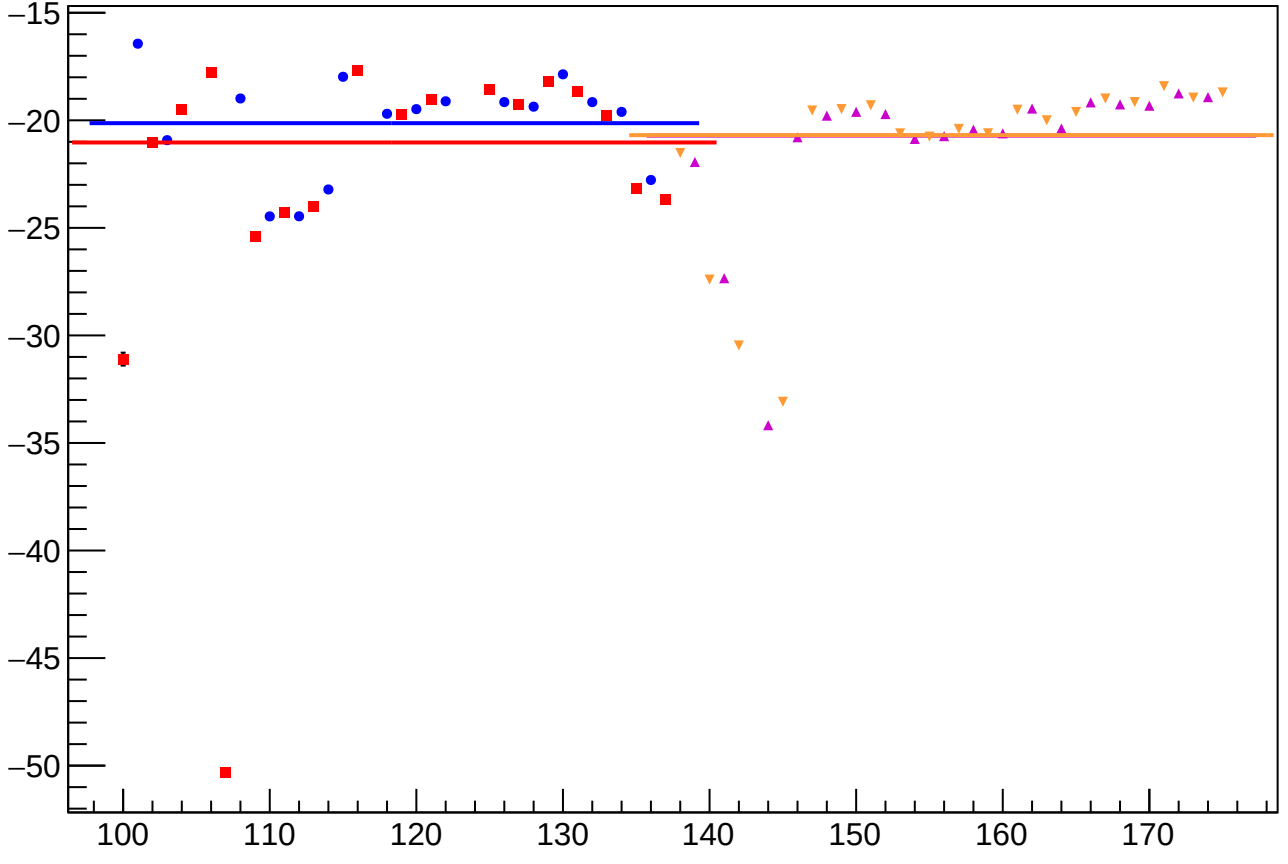
Left In: 9.153+/-0.200 χ^2/NDF:264.1/17

\+ sign 6.913+/-0.154 χ^2/NDF: 928.8/34

All: 6.838+/-0.110 χ^2/NDF: 1916.0/70

\- sign 6.759+/-0.158 χ^2/NDF: 986.8/35

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.690+/-0.009 χ^2/NDF:132620.6/18

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

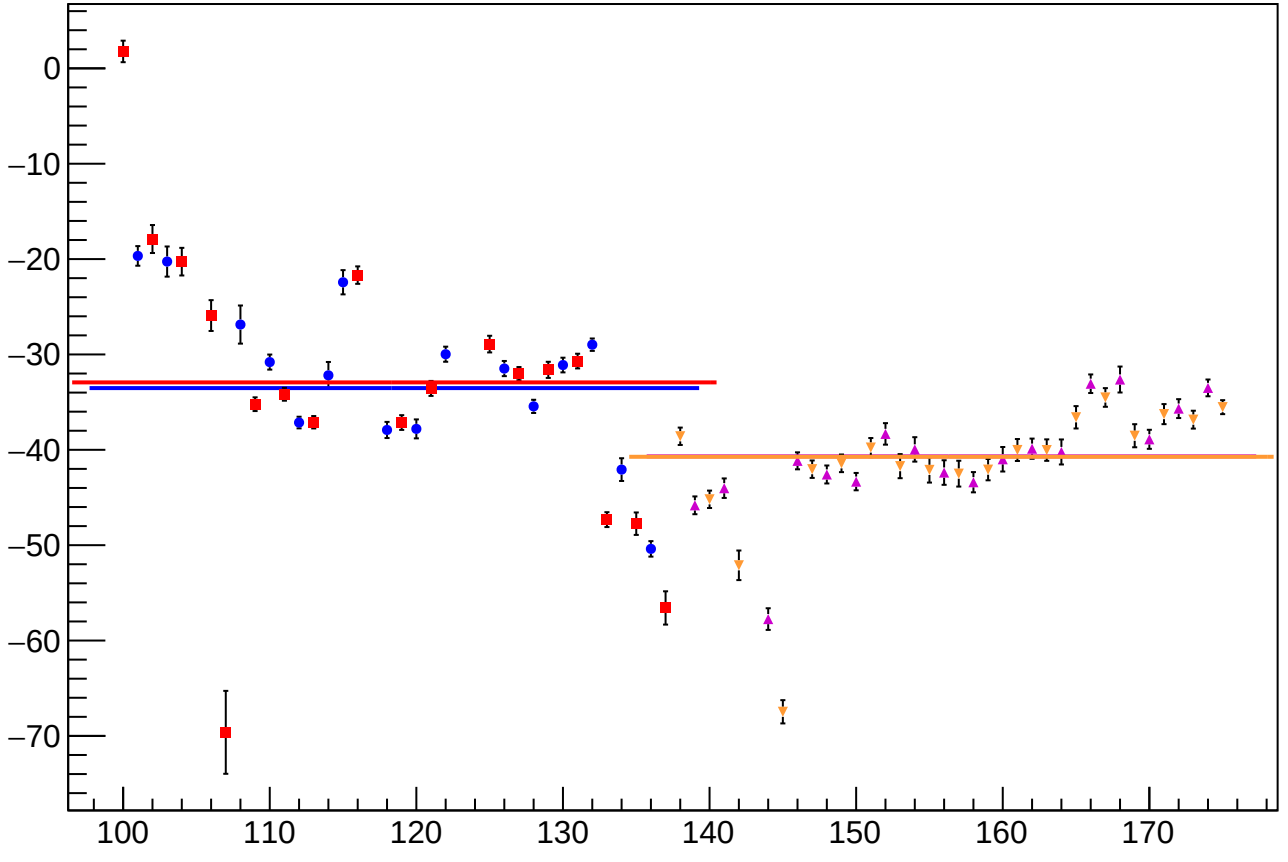
Left In: -20.712+/-0.009 χ^2/NDF:104959.9/17

+ sign -20.556+/-0.008 χ^2/NDF: 153370.9/34

All: -20.670+/-0.006 χ^2/NDF: 316566.0/70

- sign -20.785+/-0.008 χ^2/NDF: 162772.6/35

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -40.731+/-0.240 χ^2/NDF:714.6/18

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

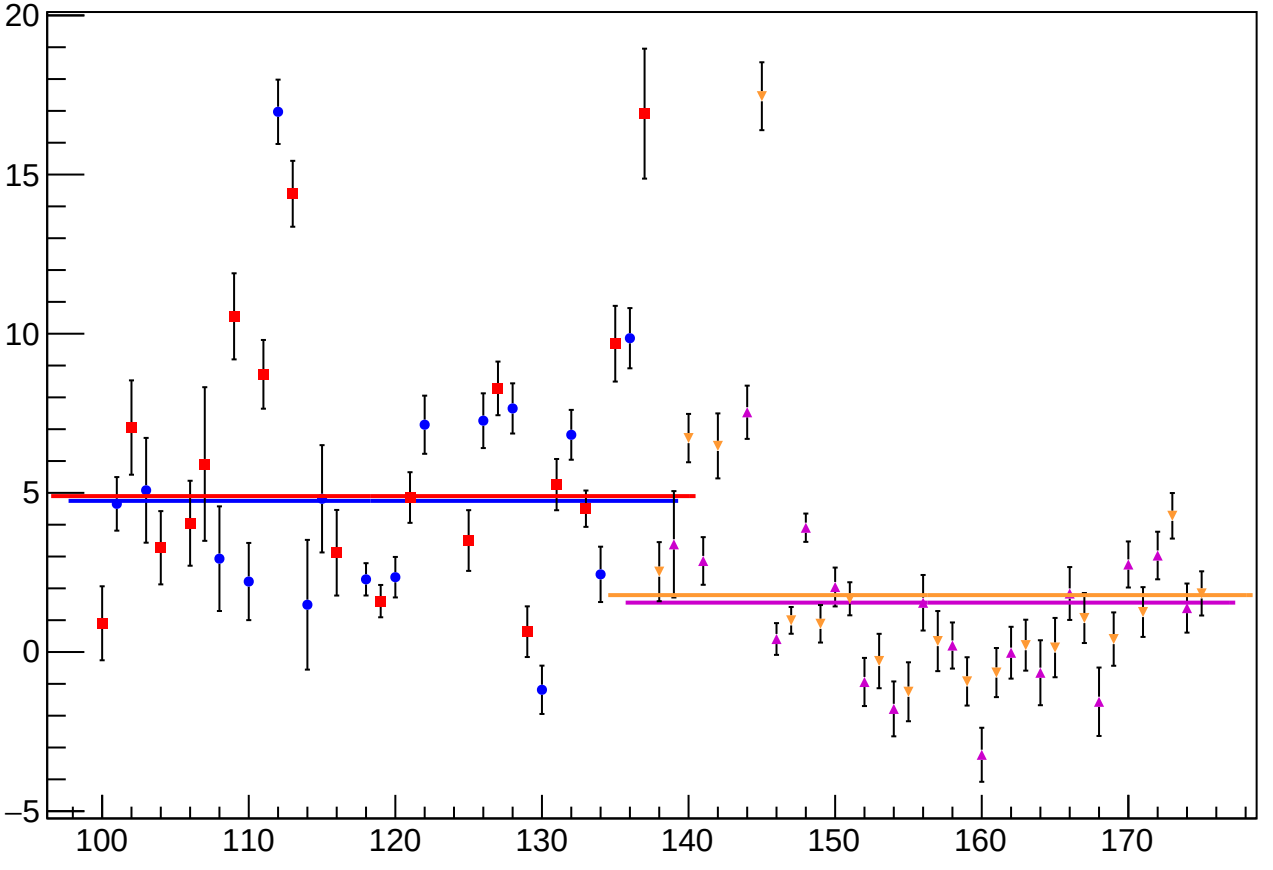
Left In: -40.686+/-0.247 χ^2/NDF:484.9/17

+ sign -36.785+/-0.162 χ^2/NDF: 2215.0/34

All: -36.496+/-0.114 χ^2/NDF: 5444.2/70

- sign -36.209+/-0.161 χ^2/NDF: 3222.8/35

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.788+/-0.168 χ^2/NDF:350.6/18

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

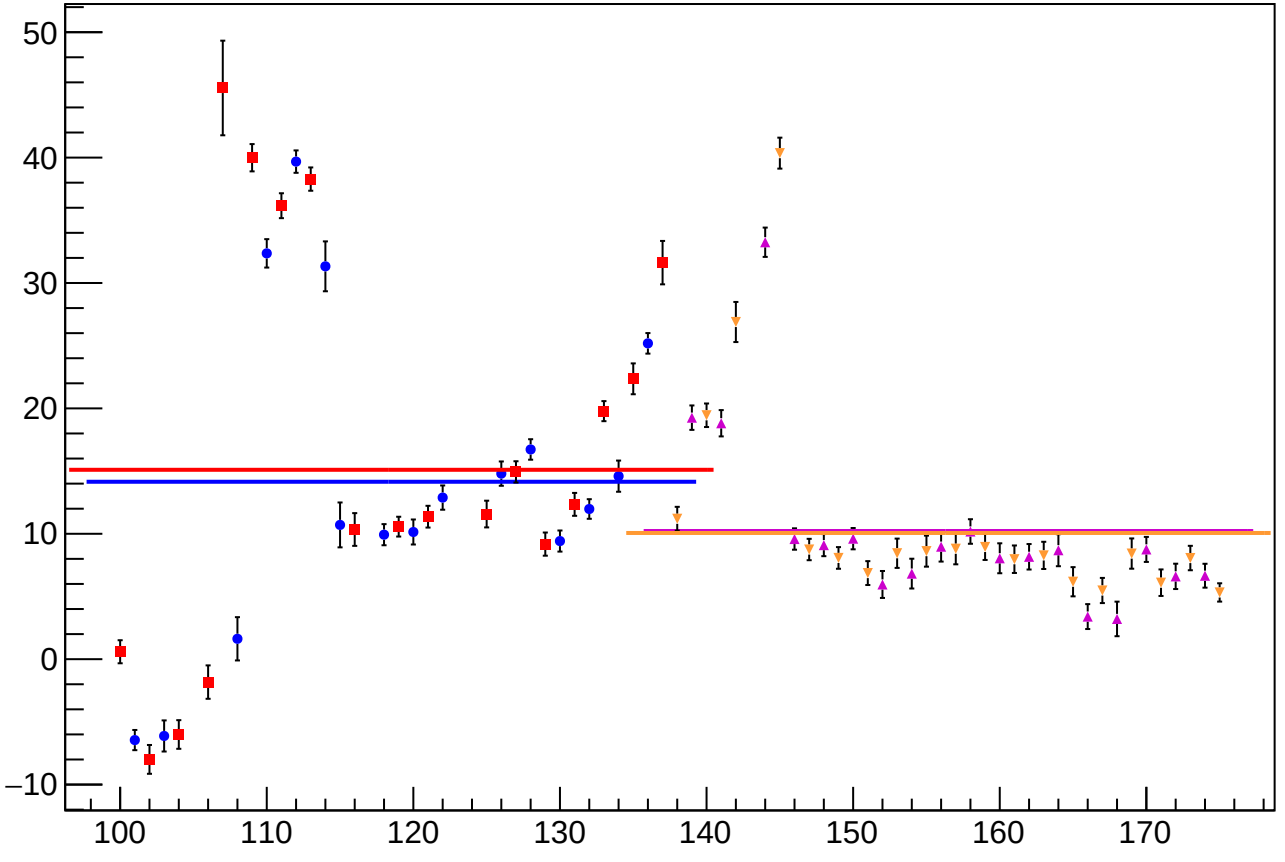
Left In: 1.552+/-0.174 χ^2/NDF:173.9/17

\+ sign 2.879+/-0.133 χ^2/NDF: 790.9/34

All: 2.858+/-0.095 χ^2/NDF: 1380.7/70

\- sign 2.836+/-0.136 χ^2/NDF: 589.7/35

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 10.065+/-0.236 χ^2/NDF:938.9/18

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

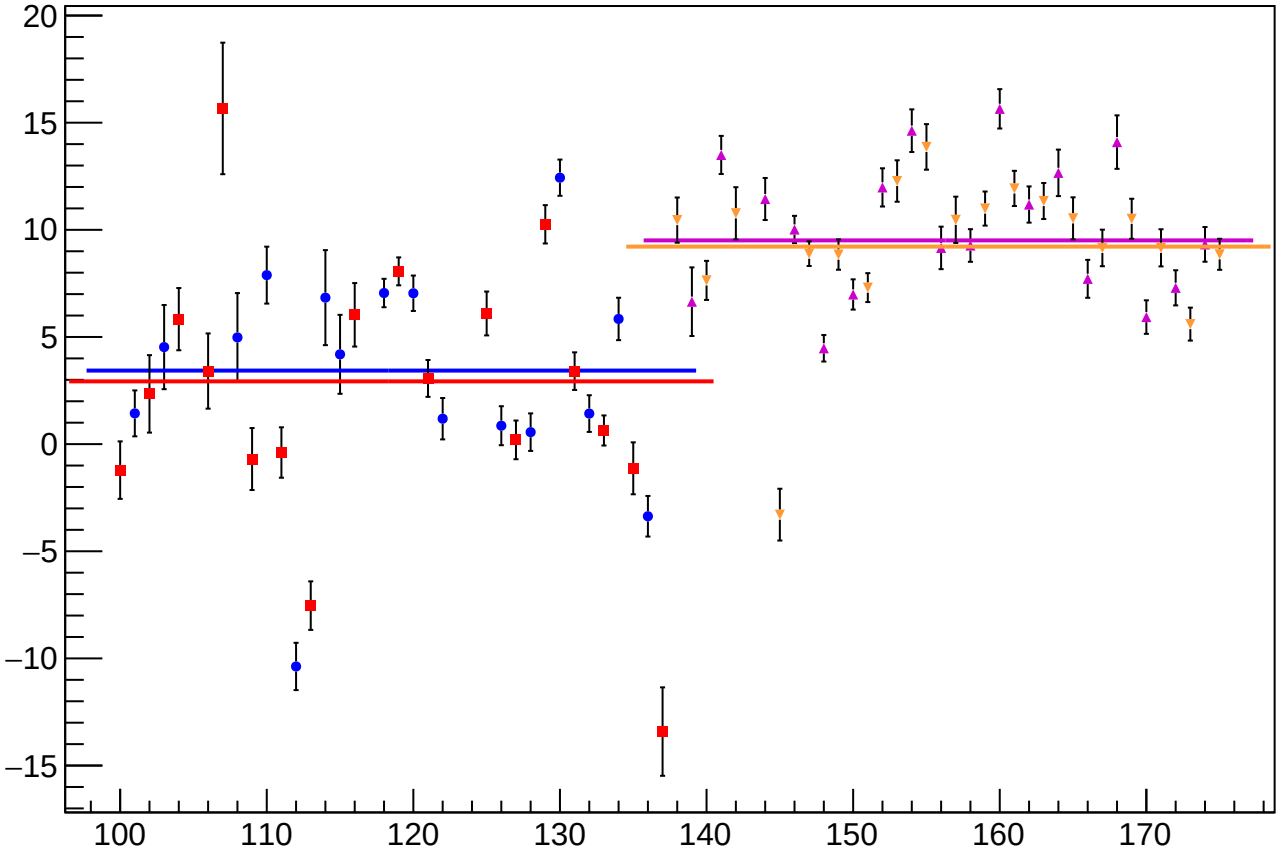
Left In: 10.220+/-0.243 χ^2/NDF:680.2/17

+ sign 12.010+/-0.171 χ^2/NDF: 3484.2/34

All: 12.338+/-0.121 χ^2/NDF: 7477.0/70

- sign 12.669+/-0.171 χ^2/NDF: 3985.4/35

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.216+/-0.194 χ^2/NDF:200.6/18

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

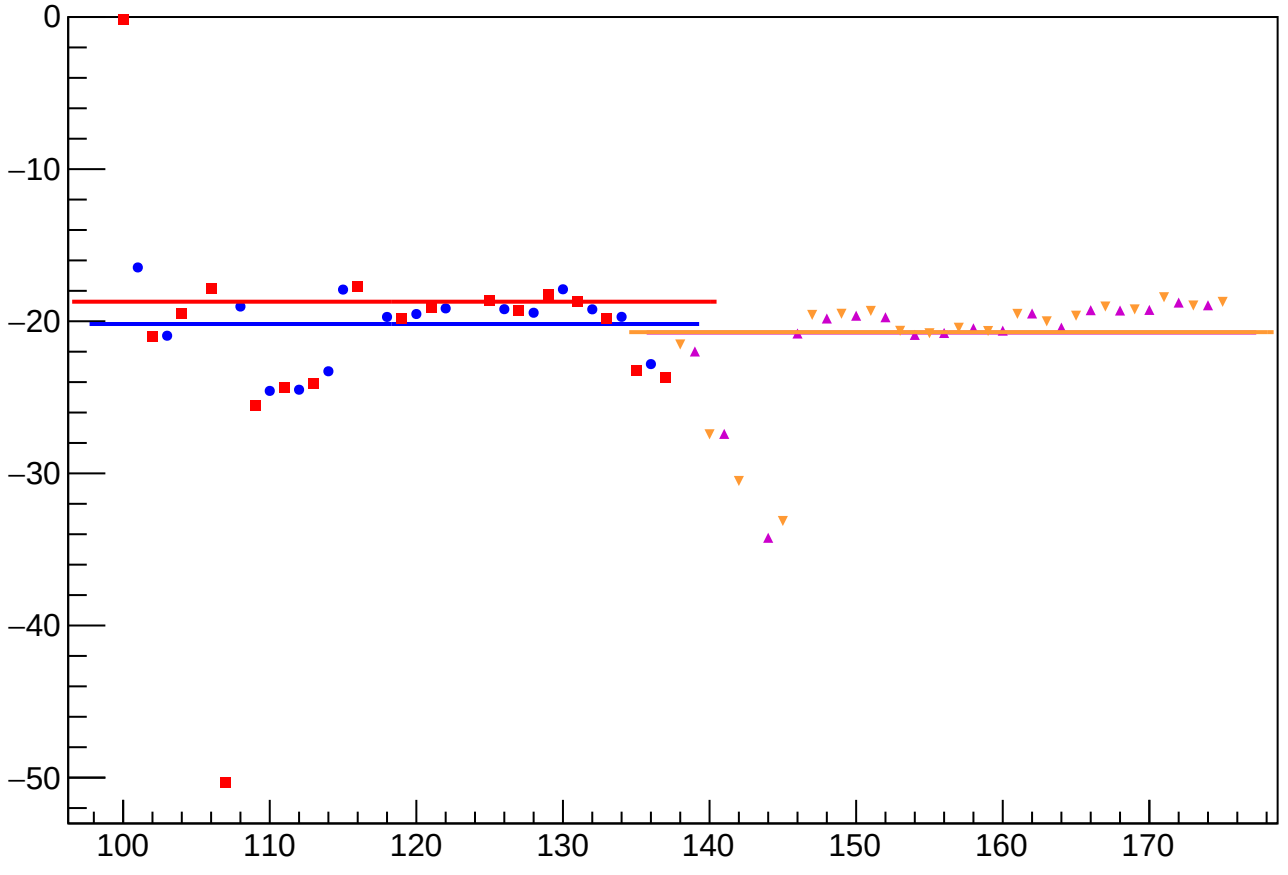
Left In: 9.507+/-0.201 χ^2/NDF:244.1/17

+ sign 7.081+/-0.154 χ^2/NDF: 951.2/34

All: 7.025+/-0.110 χ^2/NDF: 1977.4/70

- sign 6.968+/-0.157 χ^2/NDF: 1025.9/35

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.715+/-0.009 χ^2/NDF:132336.1/18

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

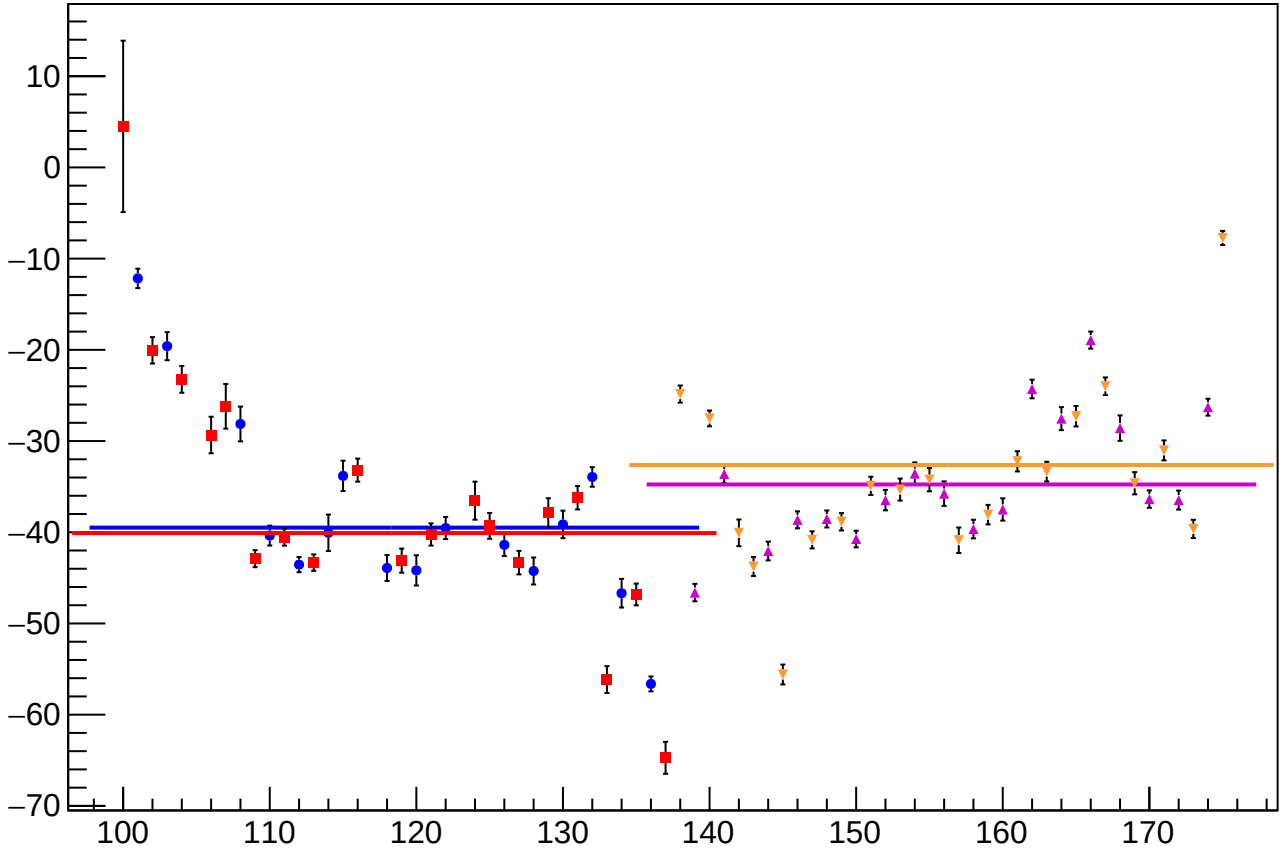
Left In: -20.740+/-0.009 χ^2/NDF:105250.1/17

+ sign -20.588+/-0.008 χ^2/NDF: 153038.6/34

All: -20.408+/-0.006 χ^2/NDF: 506674.5/70

- sign -20.230+/-0.008 χ^2/NDF: 352594.4/35

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -32.628+/-0.233 χ^2/NDF:2076.5/19

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

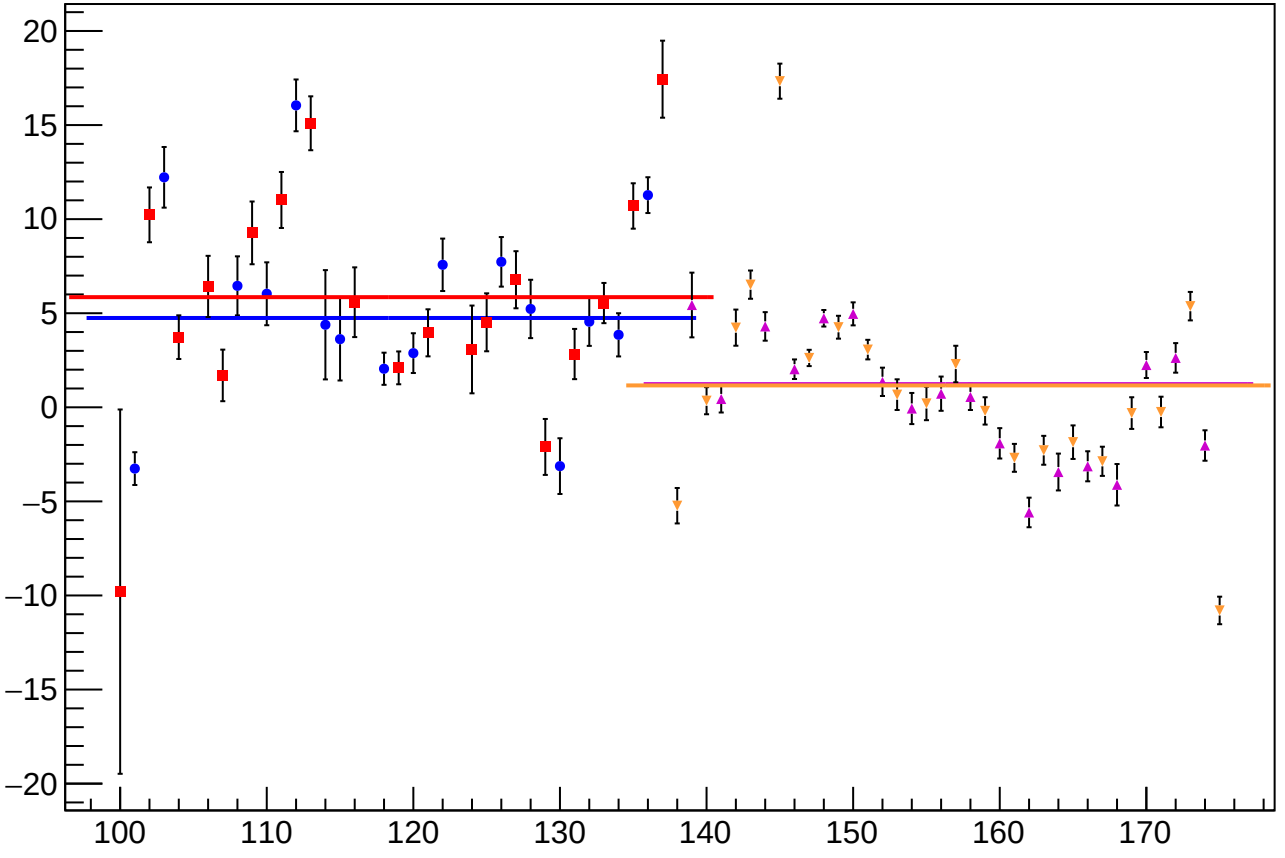
Left In: -34.760+/-0.245 χ^2/NDF:847.1/17

+ sign -35.105+/-0.187 χ^2/NDF: 3805.6/35

All: -35.946+/-0.134 χ^2/NDF: 5713.5/72

- sign -36.833+/-0.192 χ^2/NDF: 1866.1/36

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.163+/-0.163 χ^2/NDF:856.0/19

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

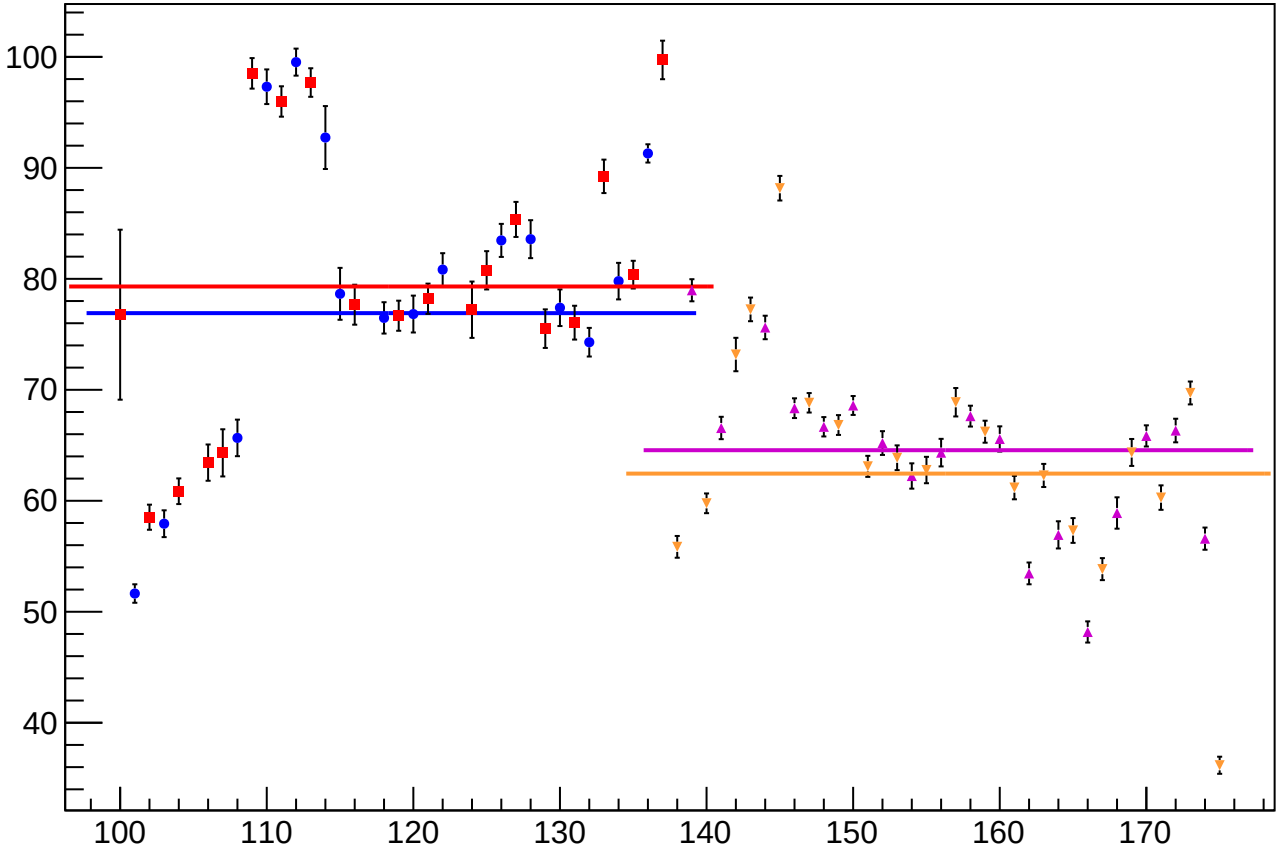
Left In: 1.231+/-0.172 χ^2/NDF:318.4/17

+ sign 1.919+/-0.145 χ^2/NDF: 1231.4/35

All: 2.075+/-0.105 χ^2/NDF: 1898.9/72

- sign 2.246+/-0.152 χ^2/NDF: 665.1/36

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 62.450+/-0.229 χ^2/NDF:2273.4/19

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

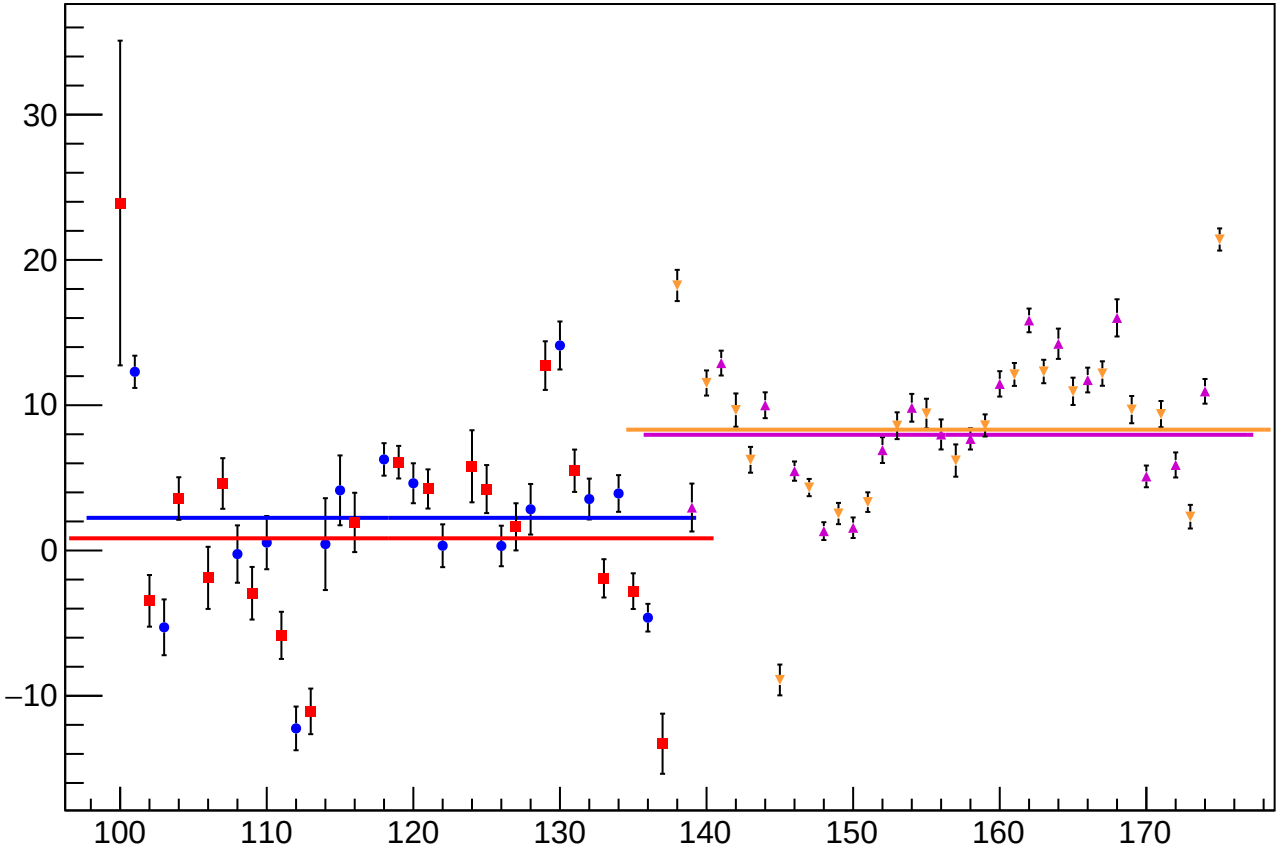
Left In: 64.558+/-0.240 χ^2/NDF:930.0/17

+ sign 67.030+/-0.190 χ^2/NDF: 5648.2/35

All: 68.129+/-0.137 χ^2/NDF: 9362.3/72

- sign 69.324+/-0.198 χ^2/NDF: 3644.0/36

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 8.318+/-0.189 χ^2/NDF:965.5/19

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

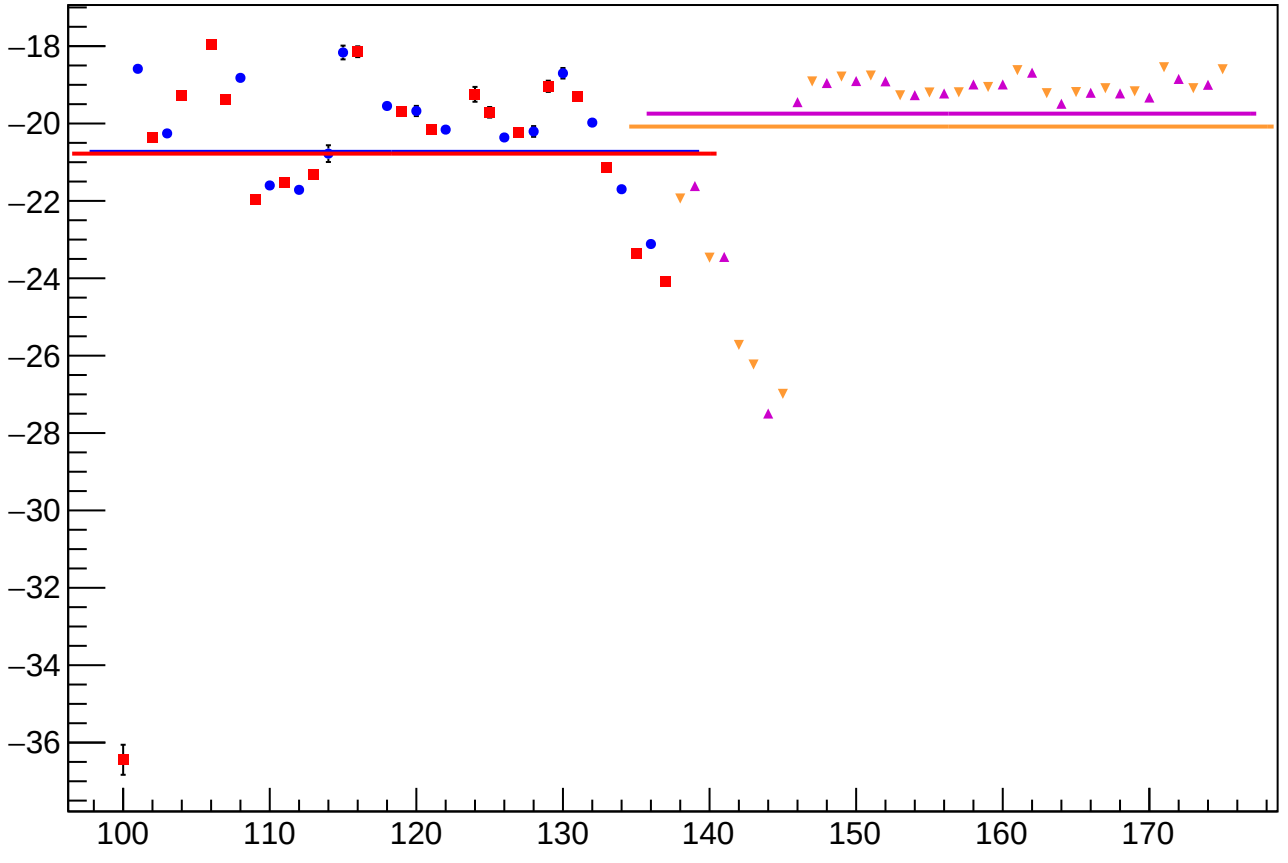
Left In: 7.964+/-0.199 χ^2/NDF:503.8/17

+ sign 7.023+/-0.168 χ^2/NDF: 1505.0/35

All: 6.718+/-0.121 χ^2/NDF: 2557.4/72

- sign 6.385+/-0.175 χ^2/NDF: 1045.4/36

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.079+/-0.009 χ^2/NDF:75513.7/19

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

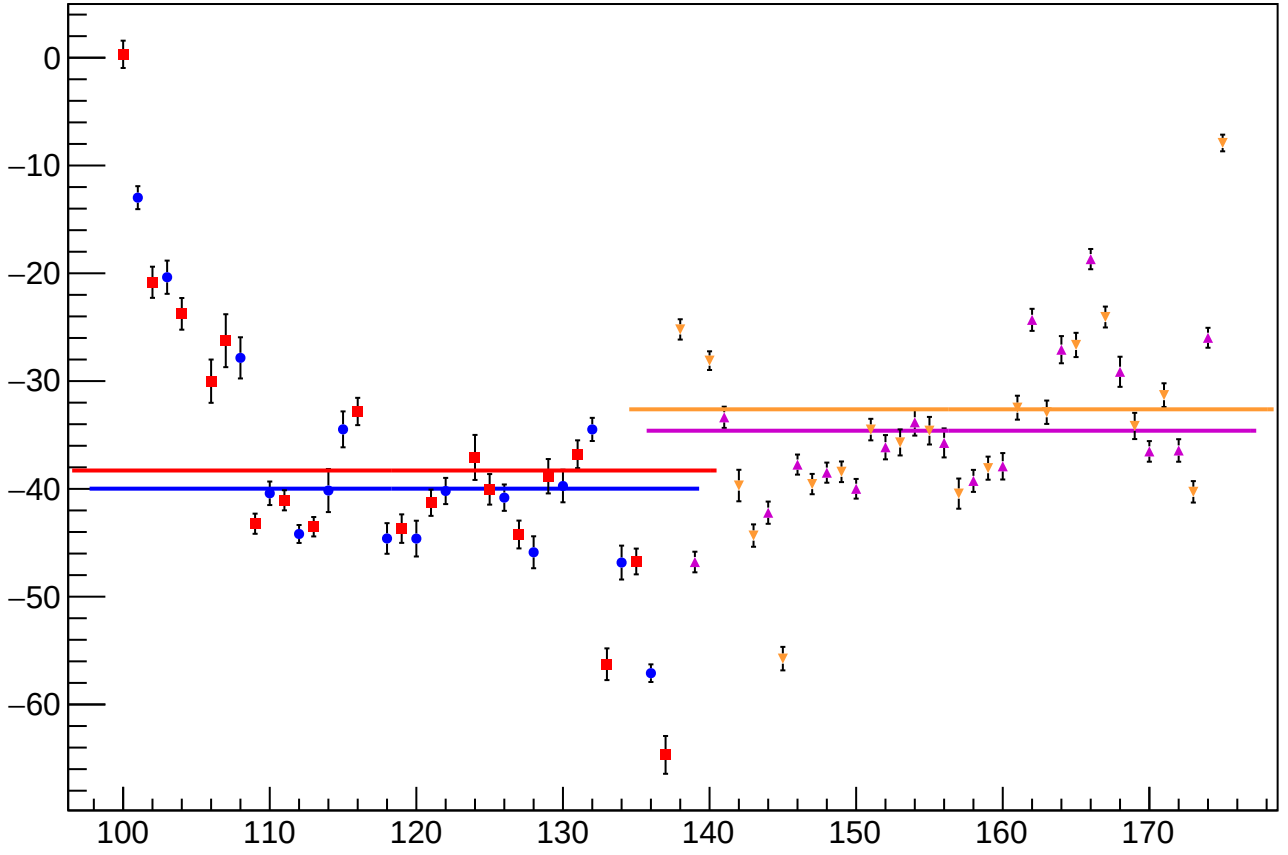
Left In: -19.745+/-0.009 χ^2/NDF:42784.5/17

+ sign -20.190+/-0.008 χ^2/NDF: 84088.1/35

All: -20.056+/-0.006 χ^2/NDF: 139064.7/72

- sign -19.915+/-0.008 χ^2/NDF: 54400.3/36

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -32.619+/-0.234 χ^2/NDF:2039.6/19

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

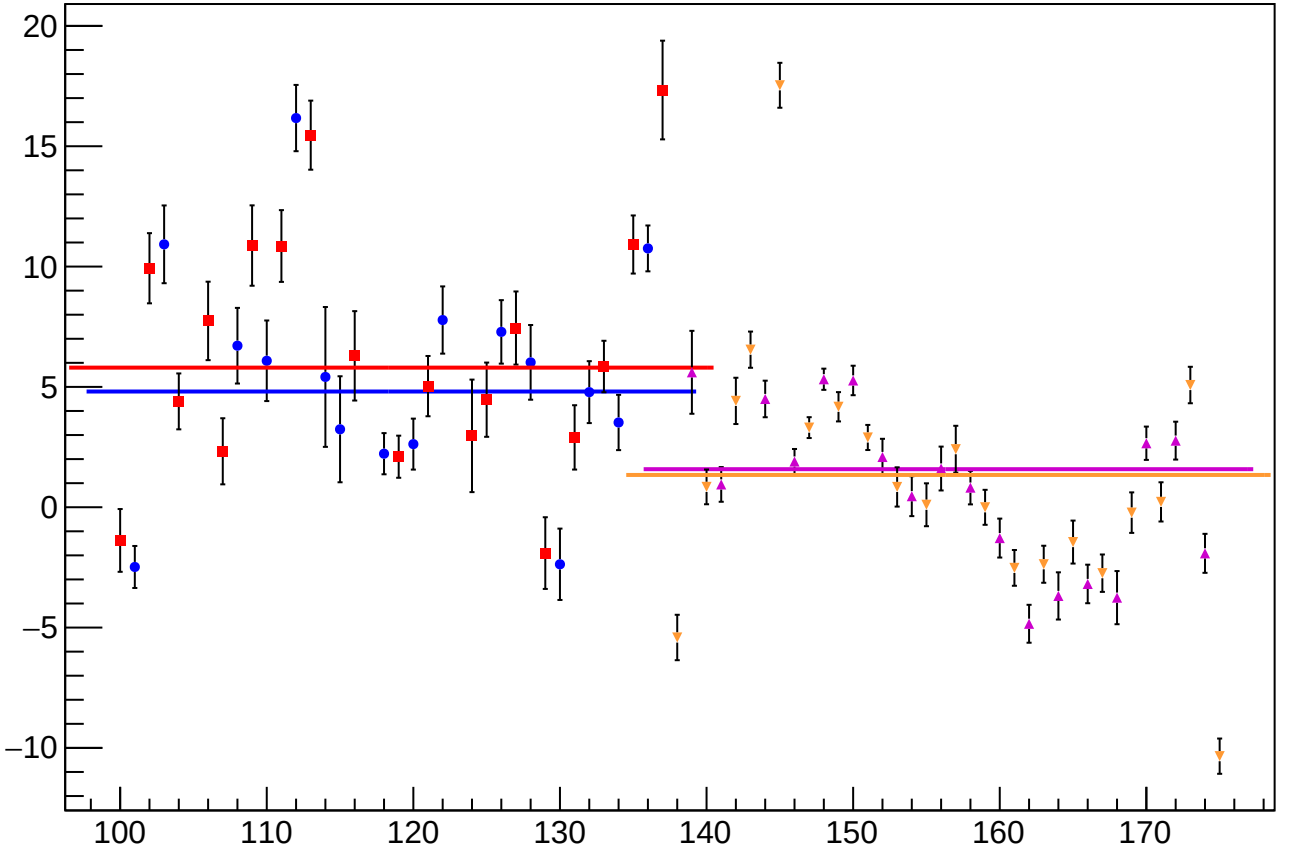
Left In: -34.603+/-0.245 χ^2/NDF:845.9/17

+ sign -35.275+/-0.187 χ^2/NDF: 3795.8/35

All: -35.676+/-0.133 χ^2/NDF: 6515.9/72

- sign -36.089+/-0.190 χ^2/NDF: 2710.7/36

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 1.341+/-0.164 χ^2/NDF:840.5/19

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

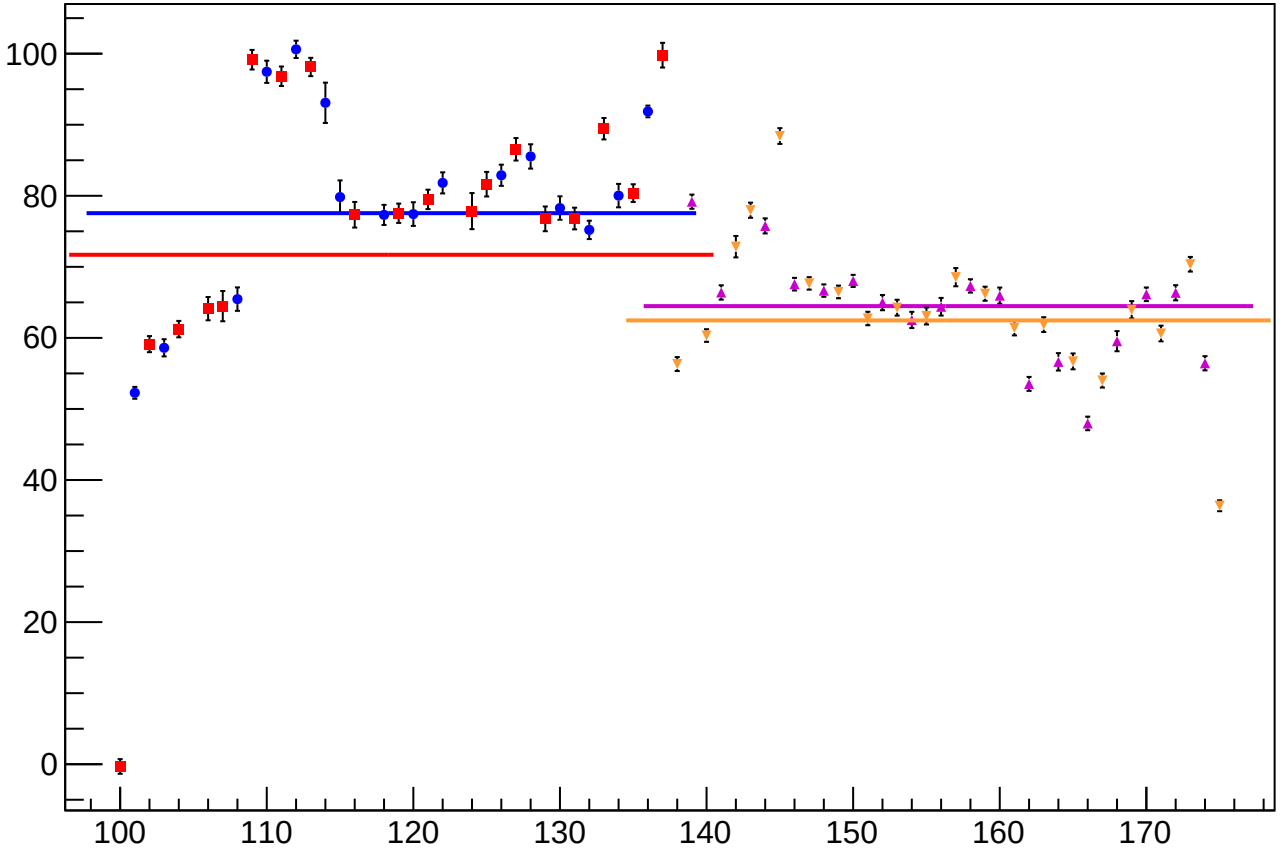
Left In: 1.581+/-0.172 χ^2/NDF:323.1/17

\+ sign 2.072+/-0.145 χ^2/NDF: 1175.8/35

All: 2.303+/-0.105 χ^2/NDF: 1858.7/72

\- sign 2.551+/-0.151 χ^2/NDF: 677.8/36

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 62.462+/-0.230 χ^2/NDF:2252.7/19

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

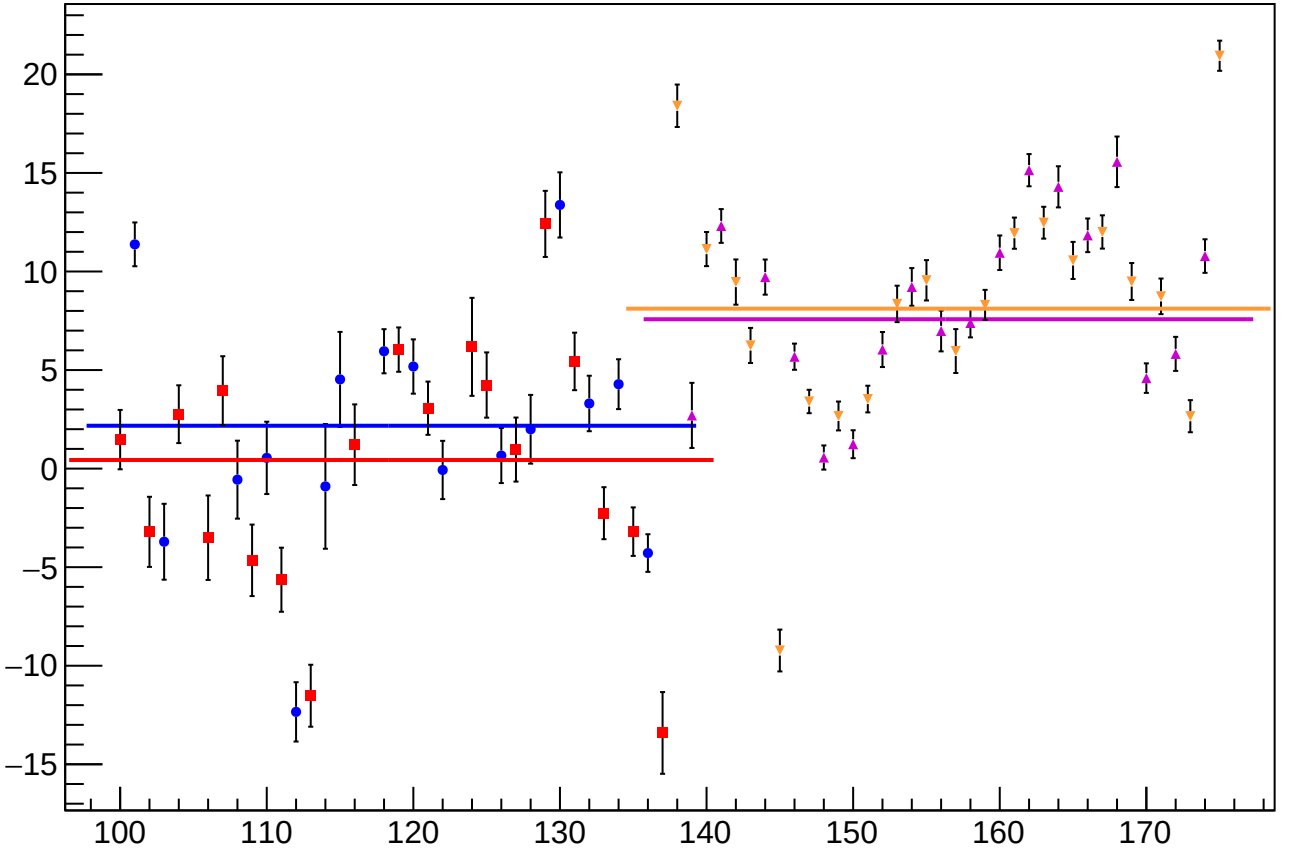
Left In: 64.472+/-0.241 χ^2/NDF:928.5/17

+ sign 67.242+/-0.190 χ^2/NDF: 5738.3/35

All: 67.113+/-0.136 χ^2/NDF: 13883.7/72

- sign 66.978+/-0.195 χ^2/NDF: 8144.5/36

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 8.114+/-0.189 χ^2/NDF:956.2/19

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

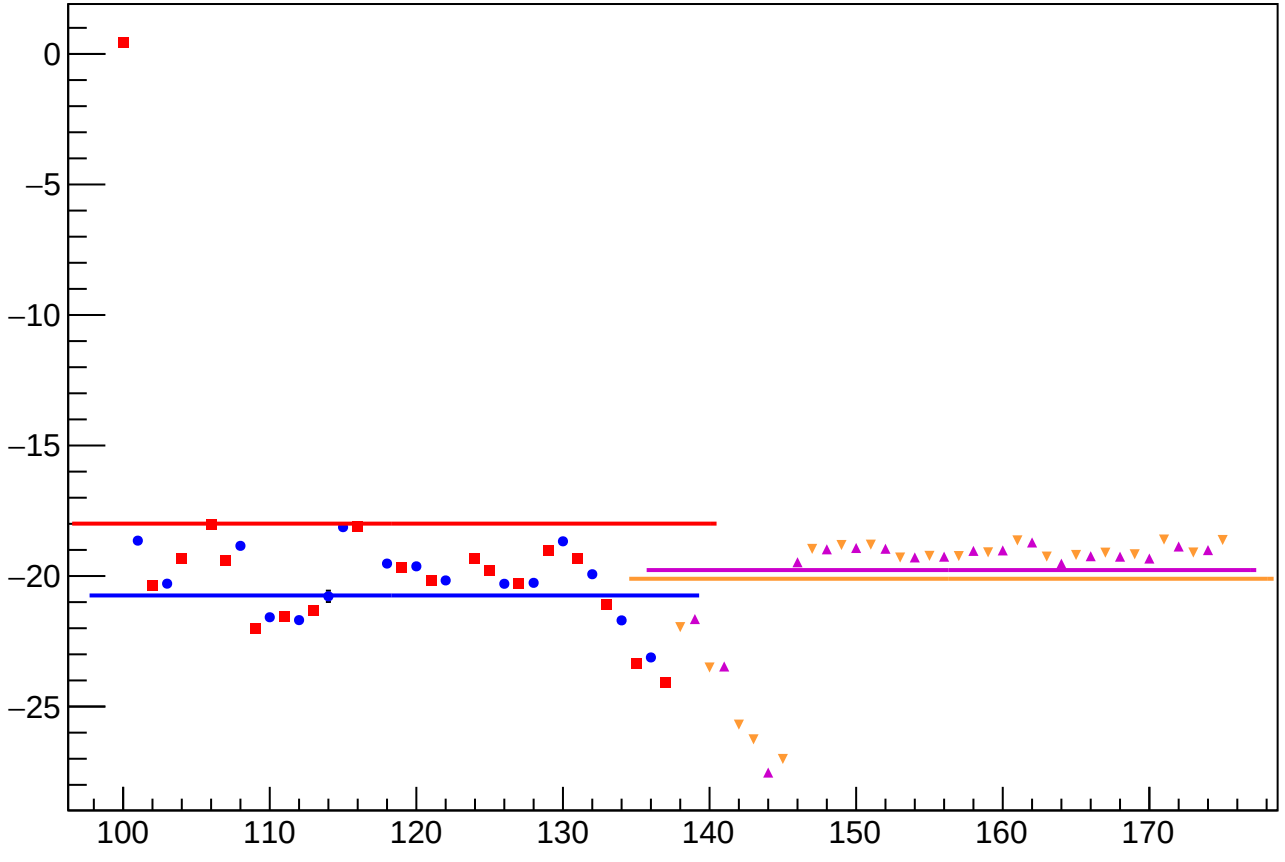
Left In: 7.578+/-0.199 χ^2/NDF:510.4/17

+ sign 6.847+/-0.168 χ^2/NDF: 1456.4/35

All: 6.402+/-0.121 χ^2/NDF: 2534.5/72

- sign 5.921+/-0.174 χ^2/NDF: 1063.4/36

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -20.105+/-0.009 χ^2/NDF:75065.6/19

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

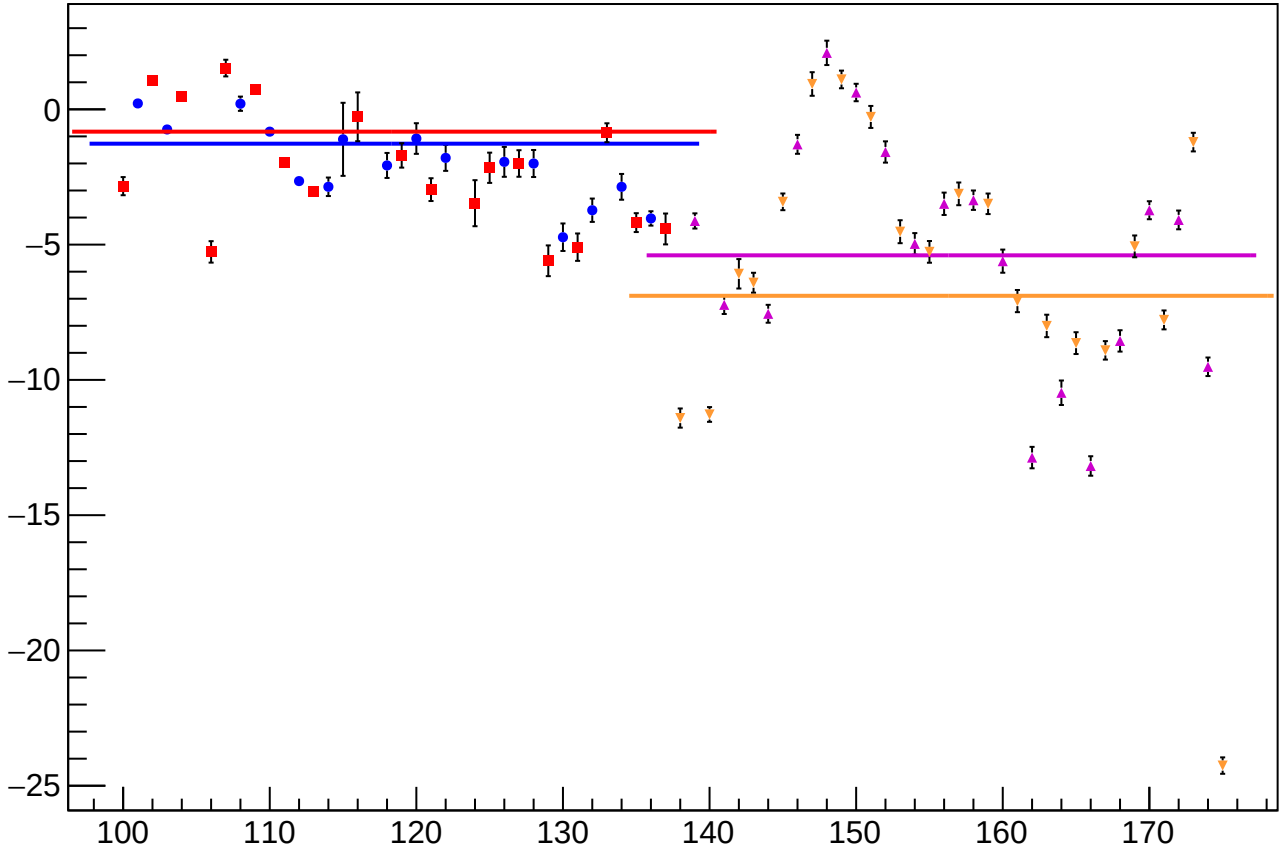
Left In: -19.772+/-0.009 χ^2/NDF:42658.0/17

+ sign -20.213+/-0.008 χ^2/NDF: 83476.8/35

All: -19.833+/-0.006 χ^2/NDF: 288516.6/72

- sign -19.444+/-0.008 χ^2/NDF: 200480.1/36

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -6.892+/-0.082 χ^2/NDF:5582.1/19

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

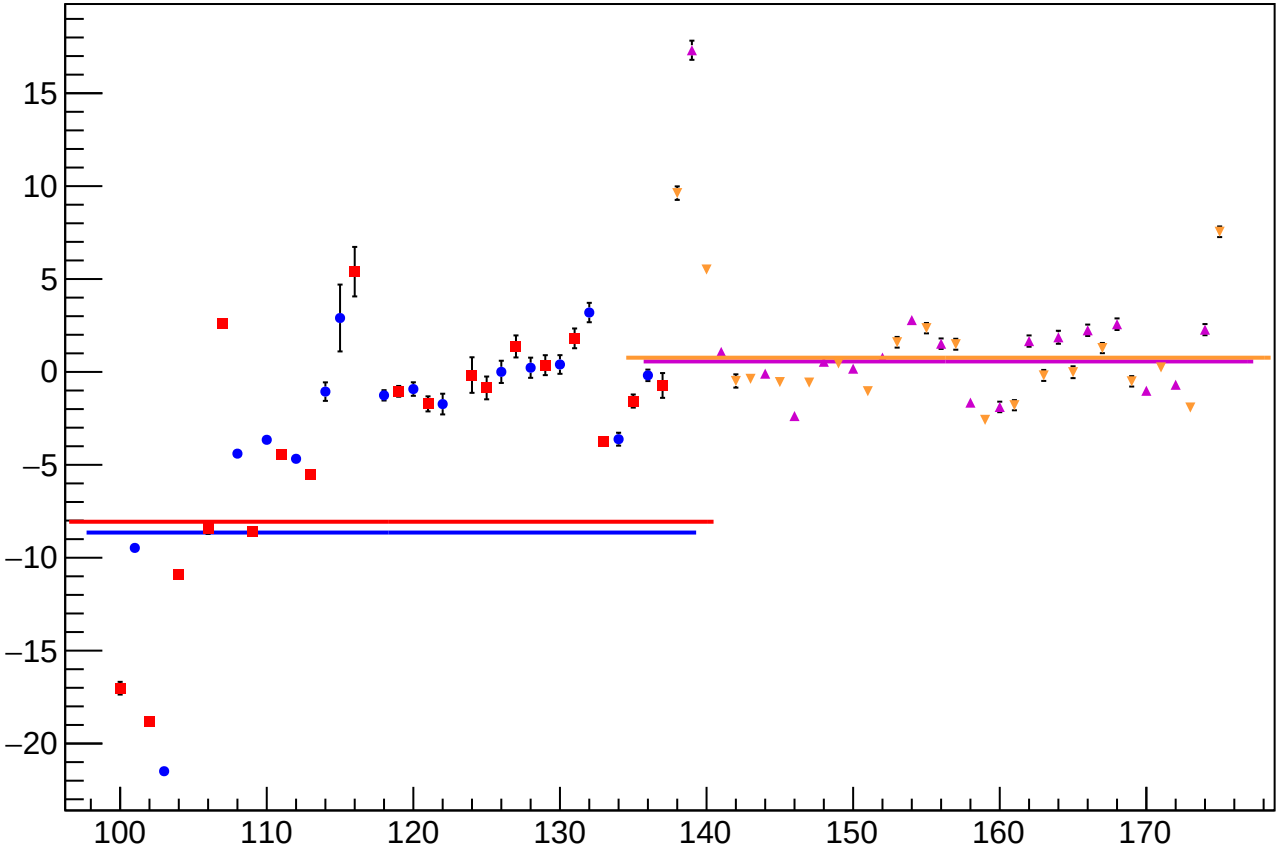
Left In: -5.396+/-0.086 χ^2/NDF:2202.2/17

+ sign -2.987+/-0.045 χ^2/NDF: 9445.3/35

All: -2.488+/-0.032 χ^2/NDF: 15368.3/72

- sign -2.024+/-0.044 χ^2/NDF: 5690.4/36

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.767+/-0.059 χ^2/NDF:2194.0/19

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

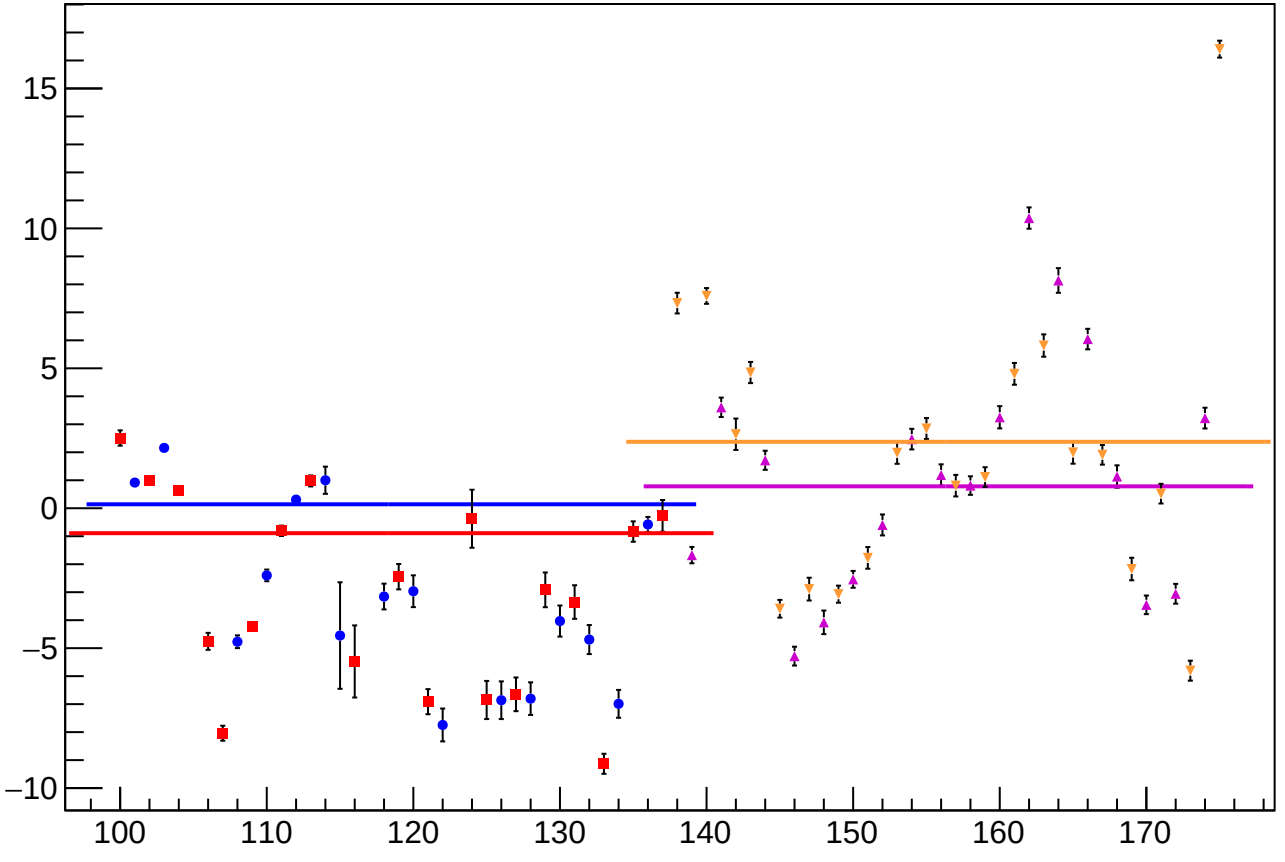
Left In: 0.564+/-0.063 χ^2/NDF:1696.6/17

+ sign -4.141+/-0.041 χ^2/NDF: 29097.0/35

All: -4.134+/-0.030 χ^2/NDF: 55490.4/72

- sign -4.127+/-0.042 χ^2/NDF: 26393.4/36

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 2.374+/-0.081 χ^2/NDF:4497.9/19

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

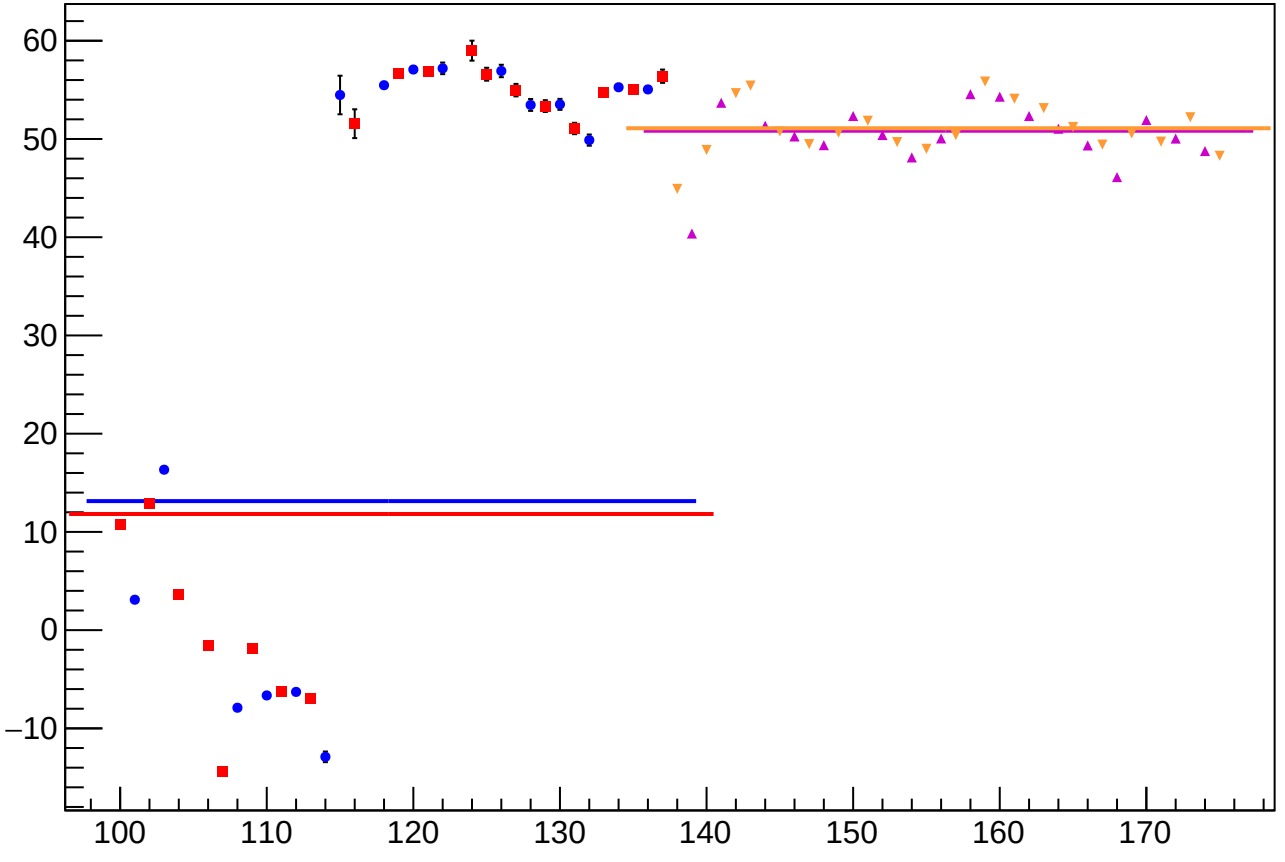
Left In: 0.782+/-0.084 χ^2/NDF:2240.8/17

+ sign 0.810+/-0.044 χ^2/NDF: 6990.1/35

All: 0.213+/-0.032 χ^2/NDF: 12867.5/72

- sign -0.408+/-0.045 χ^2/NDF: 5507.5/36

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.092+/-0.068 χ^2/NDF:1276.9/19

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

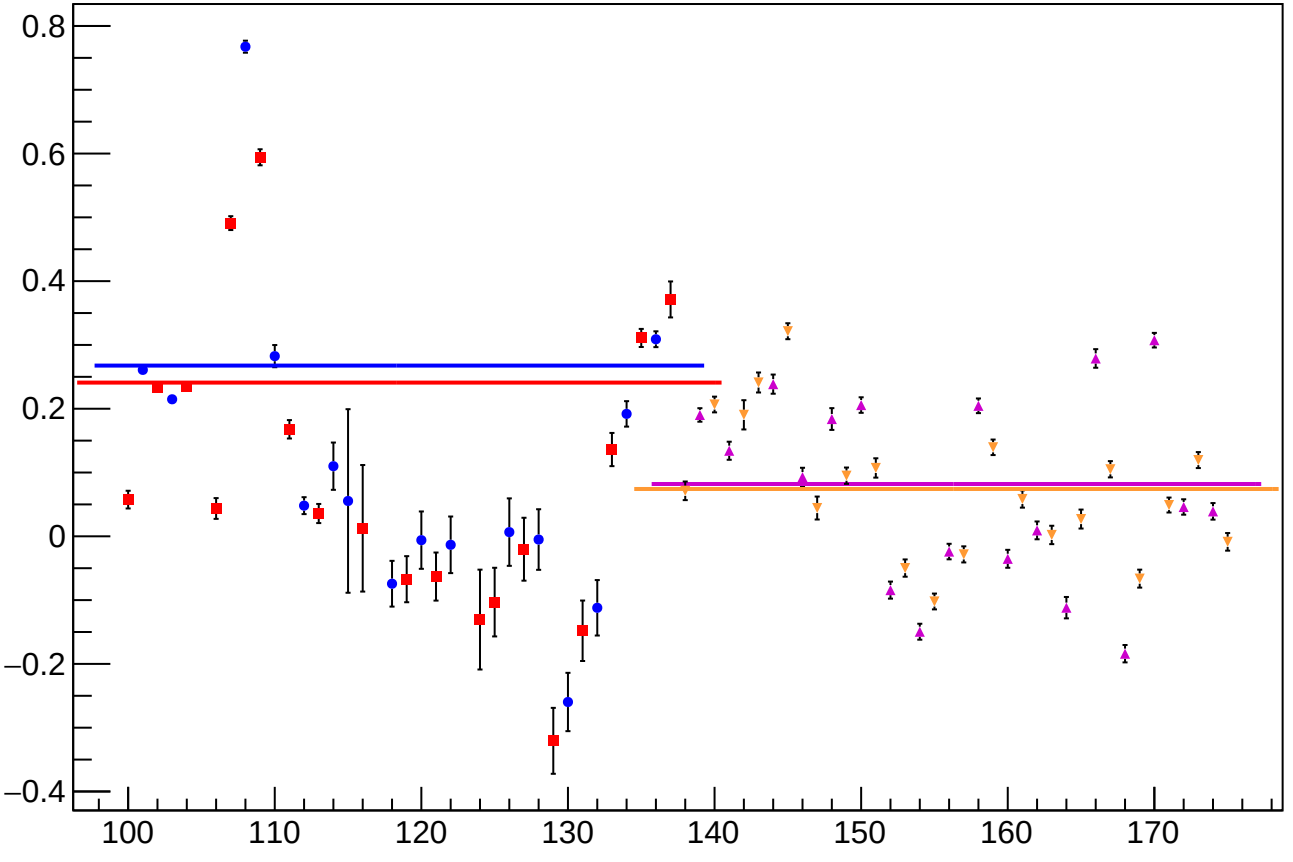
Left In: 50.840+/-0.071 χ^2/NDF:1313.0/17

+ sign 32.123+/-0.048 χ^2/NDF: 265964.3/35

All: 31.264+/-0.034 χ^2/NDF: 543264.3/72

- sign 30.364+/-0.049 χ^2/NDF: 276645.4/36

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.074+/-0.003 χ^2/NDF:1232.0/19

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

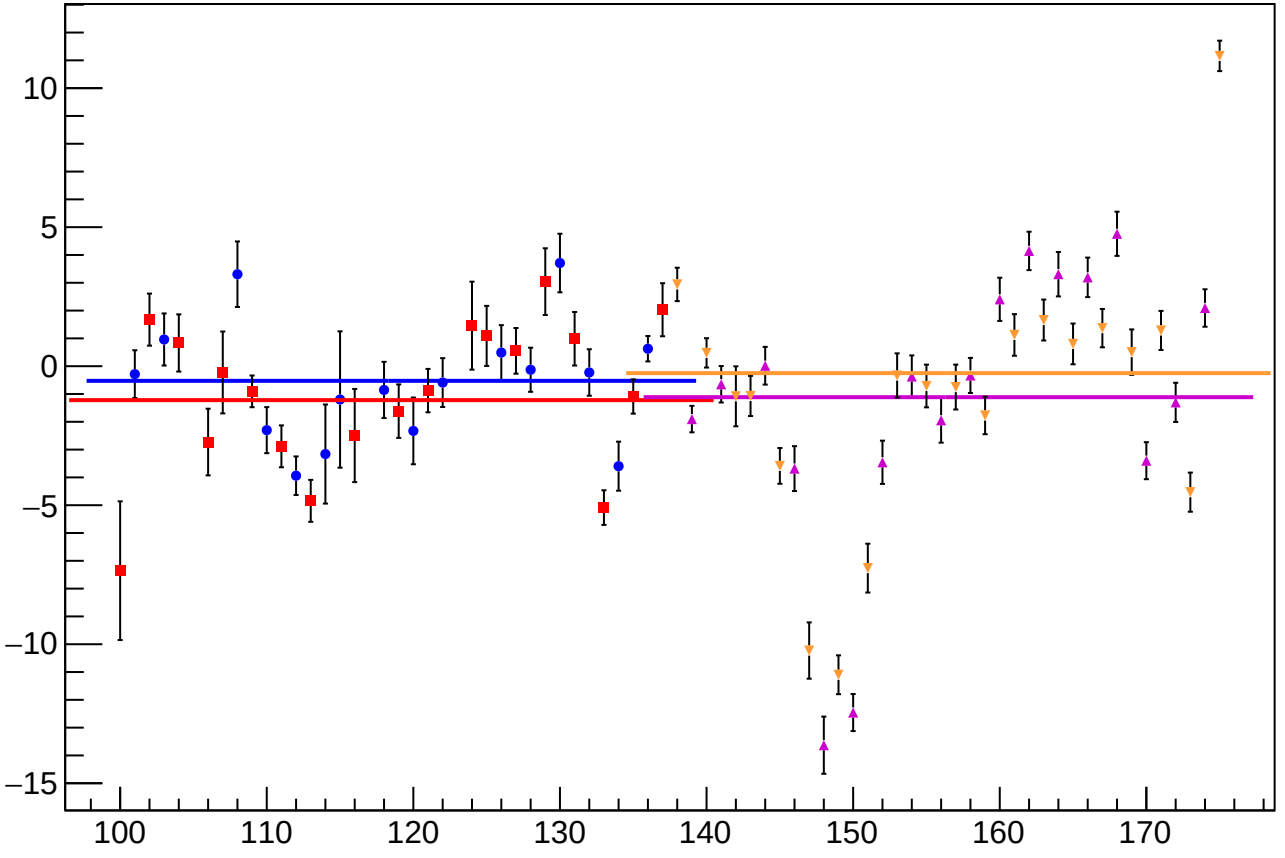
Left In: 0.082+/-0.003 χ^2/NDF:2254.6/17

+ sign 0.180+/-0.002 χ^2/NDF: 7135.5/35

All: 0.175+/-0.001 χ^2/NDF: 13208.3/72

- sign 0.171+/-0.002 χ^2/NDF: 6064.5/36

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -0.249+/-0.159 χ^2/NDF:961.4/19

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

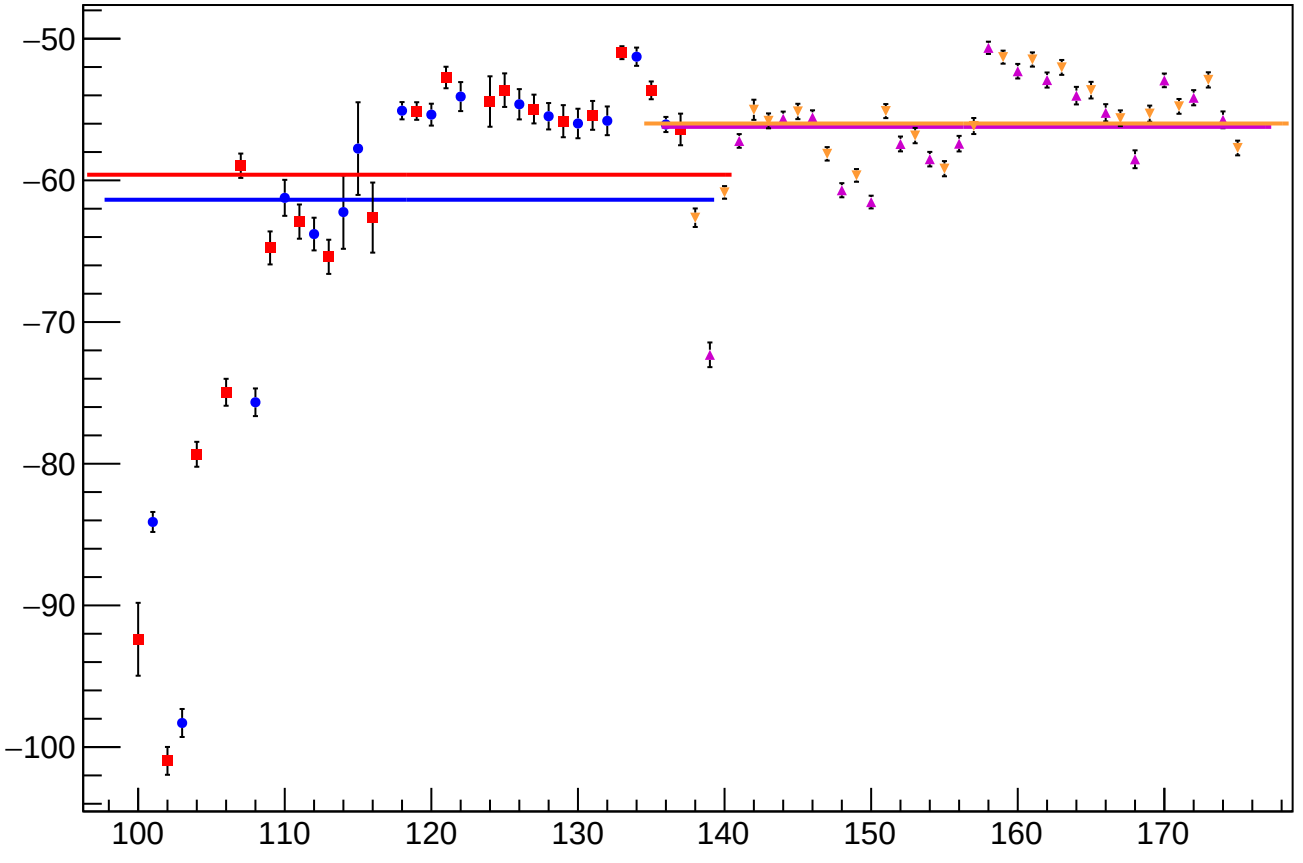
Left In: -1.114+/-0.166 χ^2/NDF:701.8/17

+ sign -0.346+/-0.128 χ^2/NDF: 1045.2/35

All: -0.751+/-0.091 χ^2/NDF: 1897.9/72

- sign -1.157+/-0.129 χ^2/NDF: 832.9/36

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -55.986+/-0.118 χ^2/NDF:662.3/19

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

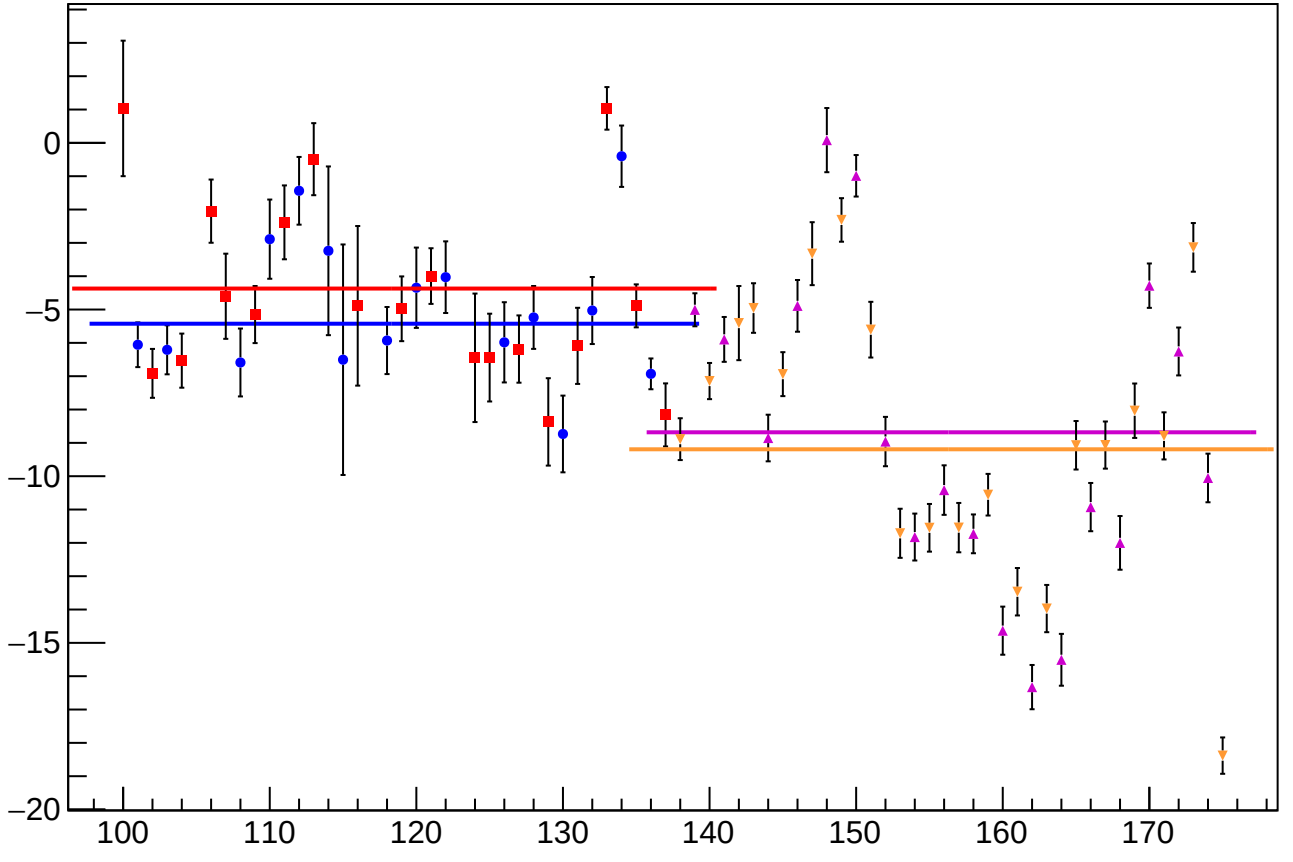
Left In: -56.224+/-0.125 χ^2/NDF:949.9/17

\+ sign -57.193+/-0.104 χ^2/NDF: 4481.8/35

All: -57.160+/-0.074 χ^2/NDF: 9049.0/72

\- sign -57.126+/-0.107 χ^2/NDF: 4567.0/36

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -9.193+/-0.157 χ^2/NDF:712.2/19

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

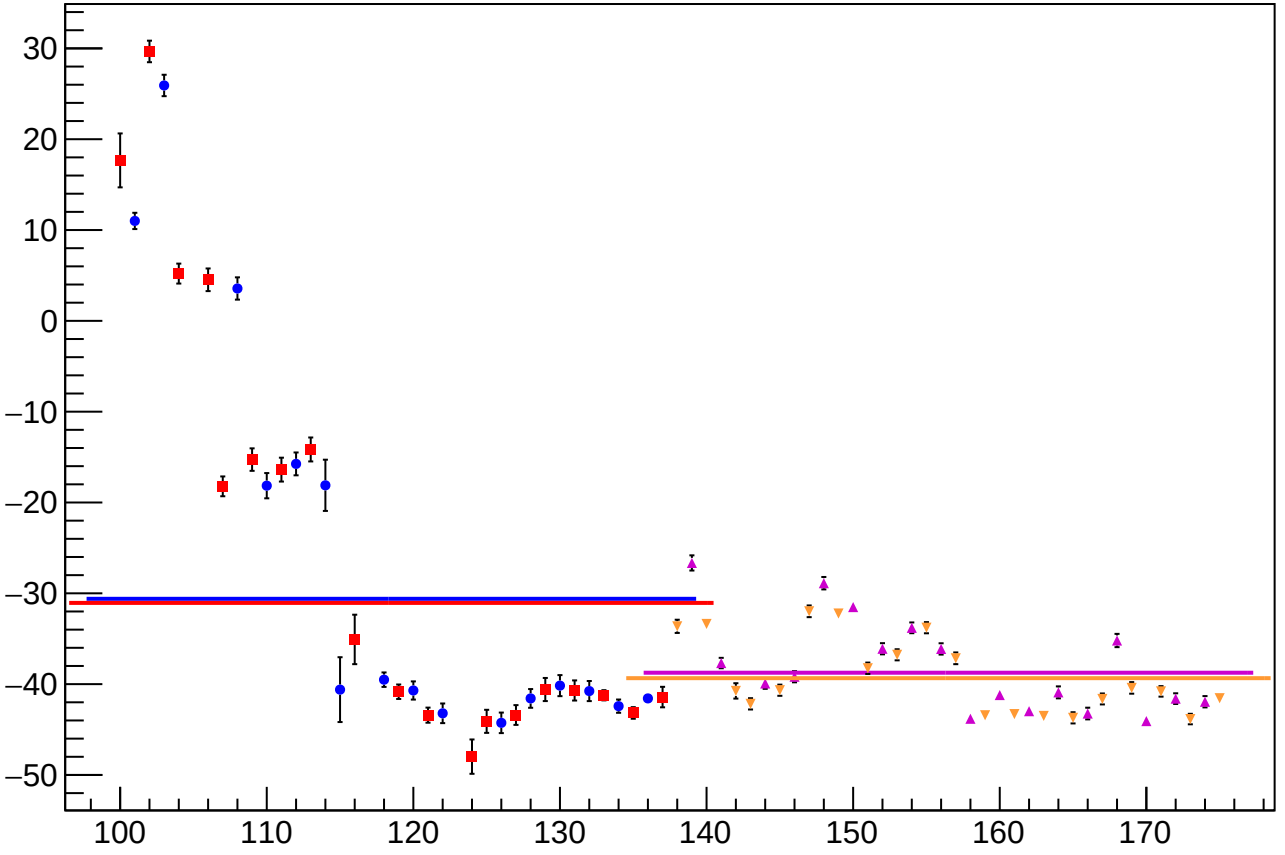
Left In: -8.683+/-0.163 χ^2/NDF:747.5/17

+ sign -7.994+/-0.130 χ^2/NDF: 971.2/35

All: -7.591+/-0.092 χ^2/NDF: 2139.3/72

- sign -7.176+/-0.132 χ^2/NDF: 1148.4/36

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -39.343+/-0.133 χ^2/NDF:967.4/19

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

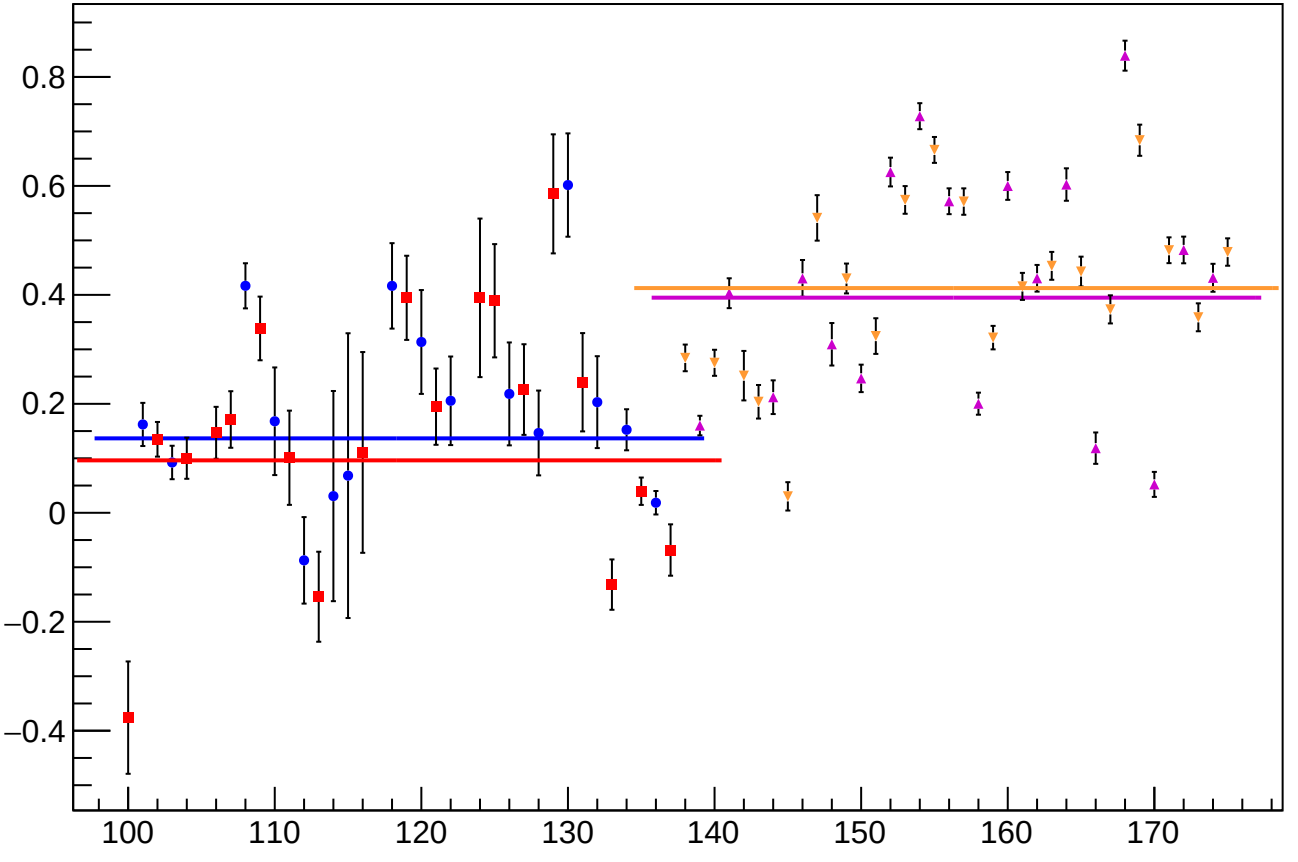
Left In: -38.743+/-0.140 χ^2/NDF:1162.3/17

+ sign -37.405+/-0.117 χ^2/NDF: 8860.7/35

All: -37.093+/-0.084 χ^2/NDF: 17789.9/72

- sign -36.763+/-0.121 χ^2/NDF: 8914.7/36

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.412+/-0.006 χ^2/NDF:682.8/19

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

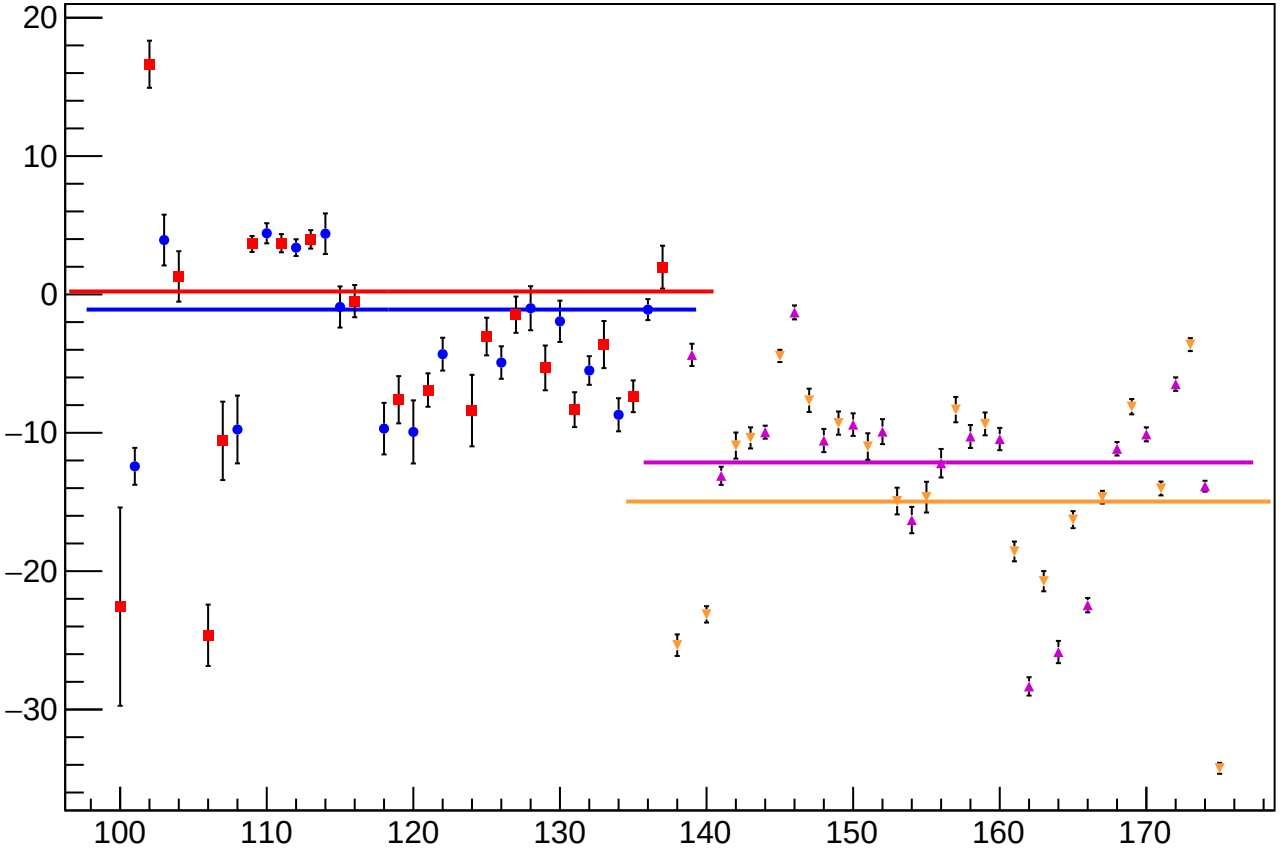
Left In: 0.395+/-0.006 χ^2/NDF:1372.0/17

+ sign 0.362+/-0.005 χ^2/NDF: 1209.7/35

All: 0.350+/-0.004 χ^2/NDF: 3213.3/72

- sign 0.338+/-0.005 χ^2/NDF: 1993.7/36

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -14.968+/-0.141 χ^2/NDF:4429.4/19

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

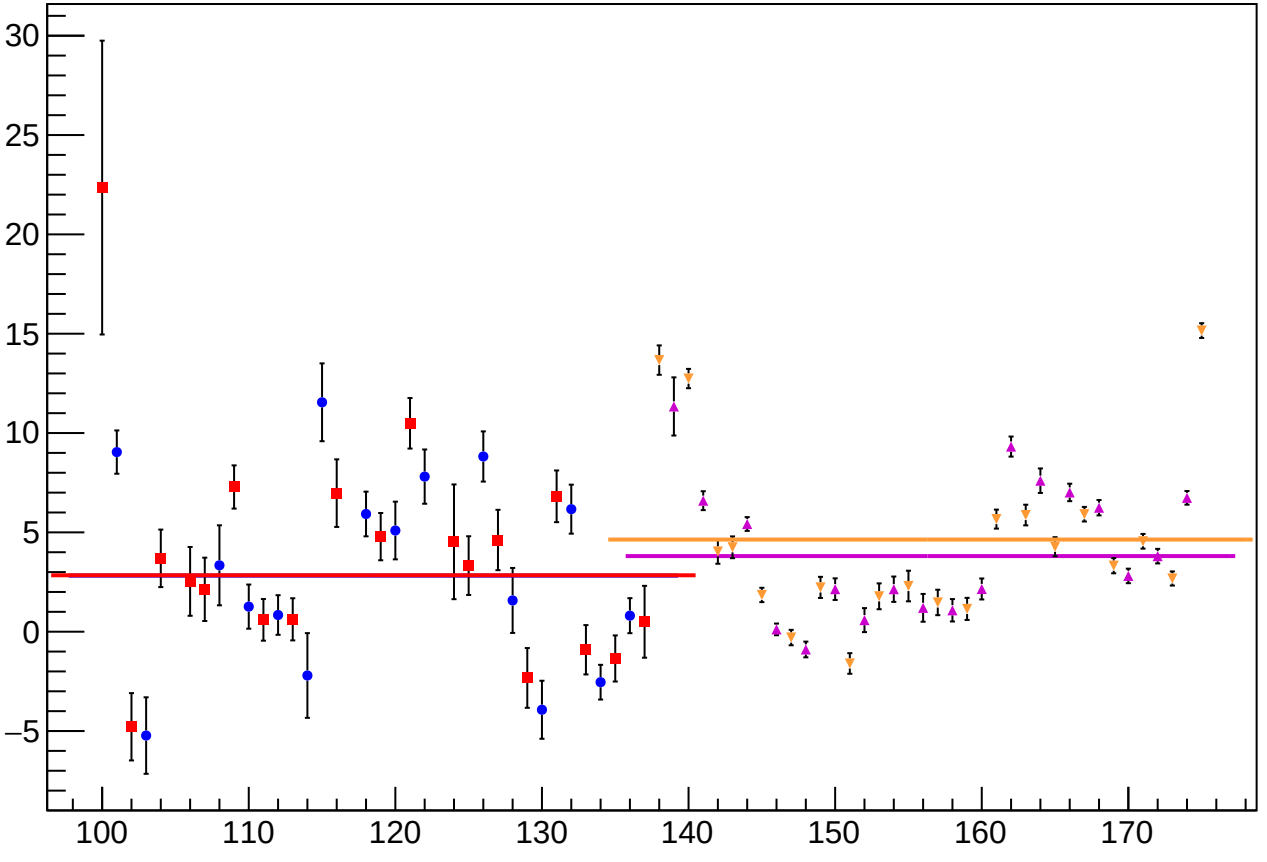
Left In: -12.143+/-0.145 χ^2/NDF:2078.5/17

+ sign -12.167+/-0.126 χ^2/NDF: 6713.5/35

All: -10.757+/-0.090 χ^2/NDF: 11229.0/72

- sign -9.320+/-0.127 χ^2/NDF: 4262.8/36

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 4.638+/-0.104 χ^2/NDF:1769.3/19

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

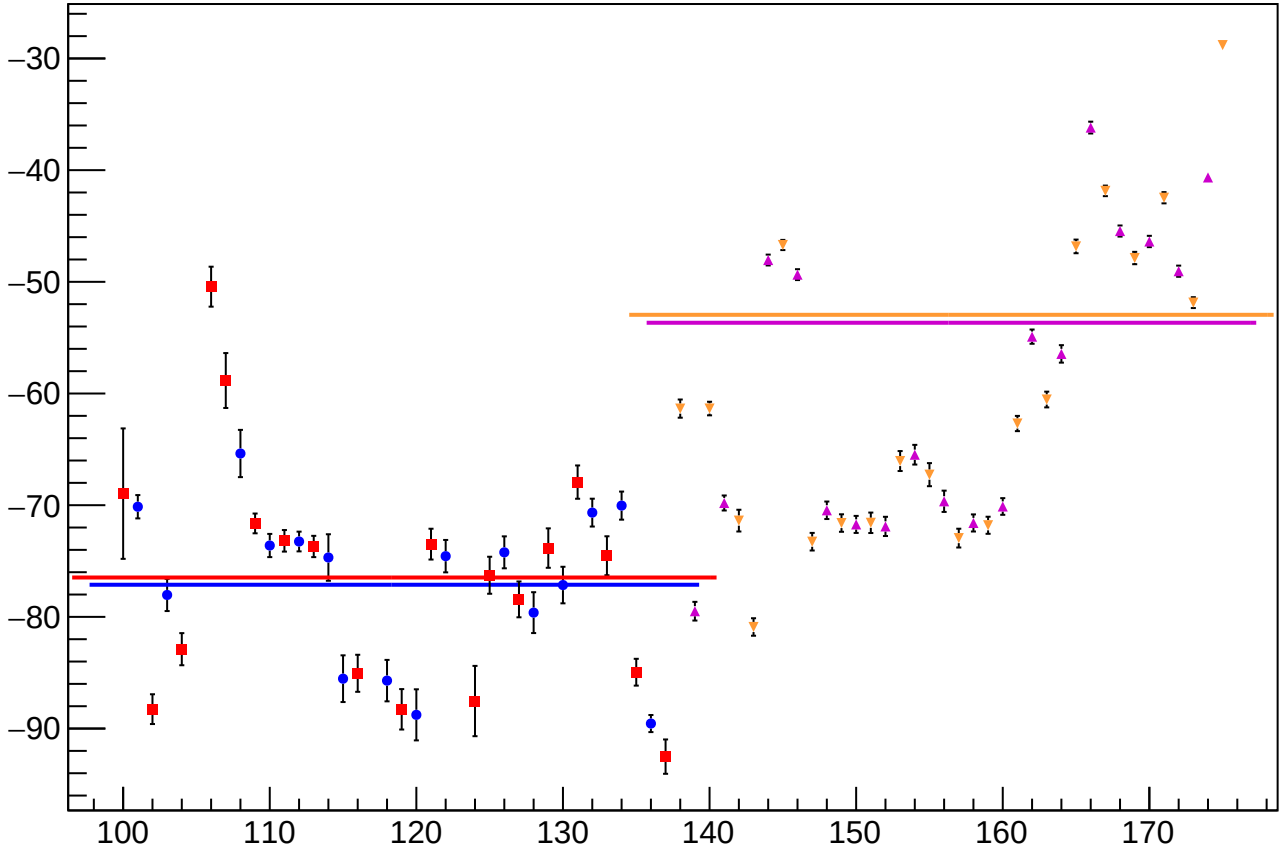
Left In: 3.806+/-0.105 χ^2/NDF:803.0/17

+ sign 4.458+/-0.099 χ^2/NDF: 1999.1/35

All: 4.090+/-0.070 χ^2/NDF: 2983.2/72

- sign 3.713+/-0.100 χ^2/NDF: 956.1/36

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -52.952+/-0.141 χ^2/NDF:10535.4/19

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

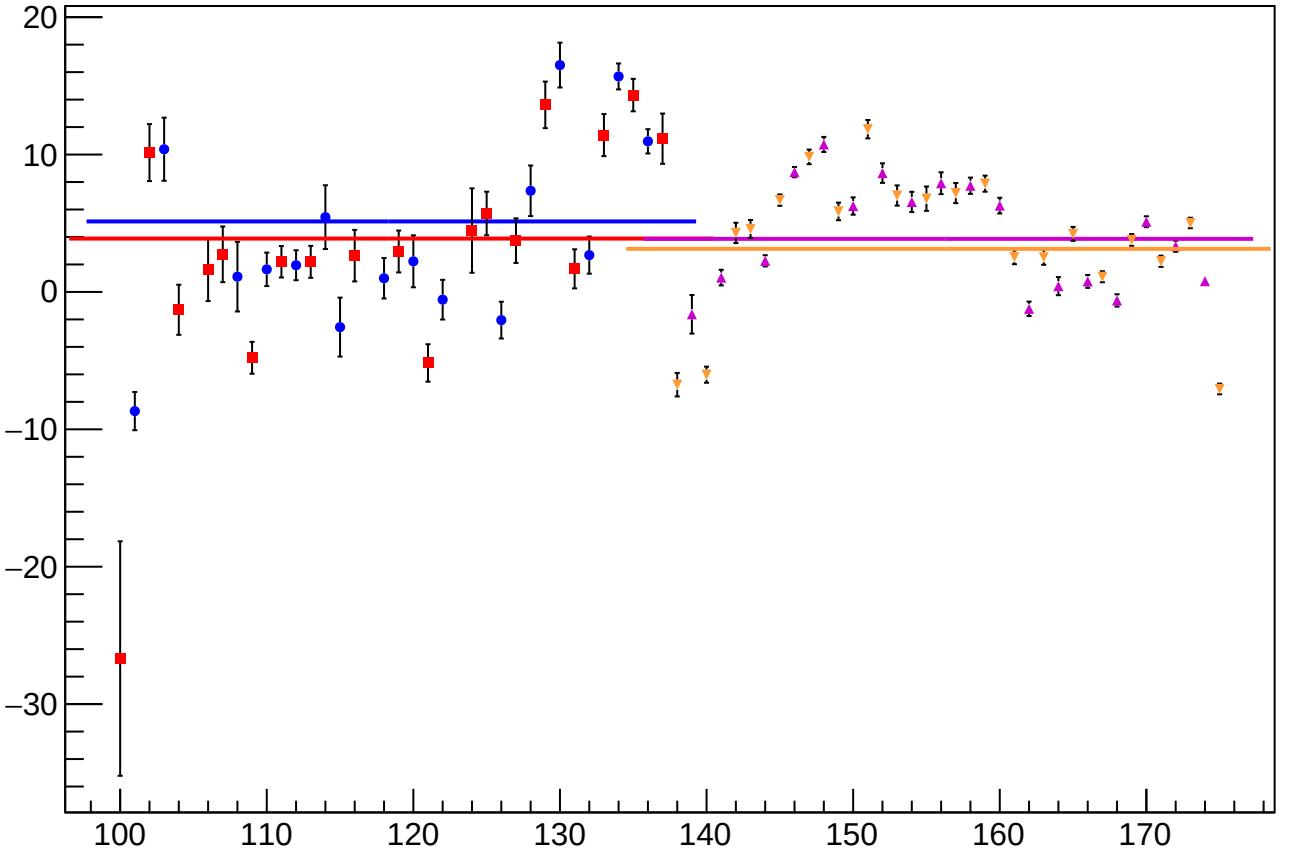
Left In: -53.665+/-0.145 χ^2/NDF:7309.9/17

+ sign -56.741+/-0.129 χ^2/NDF: 15666.3/35

All: -57.047+/-0.092 χ^2/NDF: 27722.5/72

- sign -57.369+/-0.132 χ^2/NDF: 12044.7/36

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 3.137+/-0.117 χ^2/NDF:1694.6/19

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

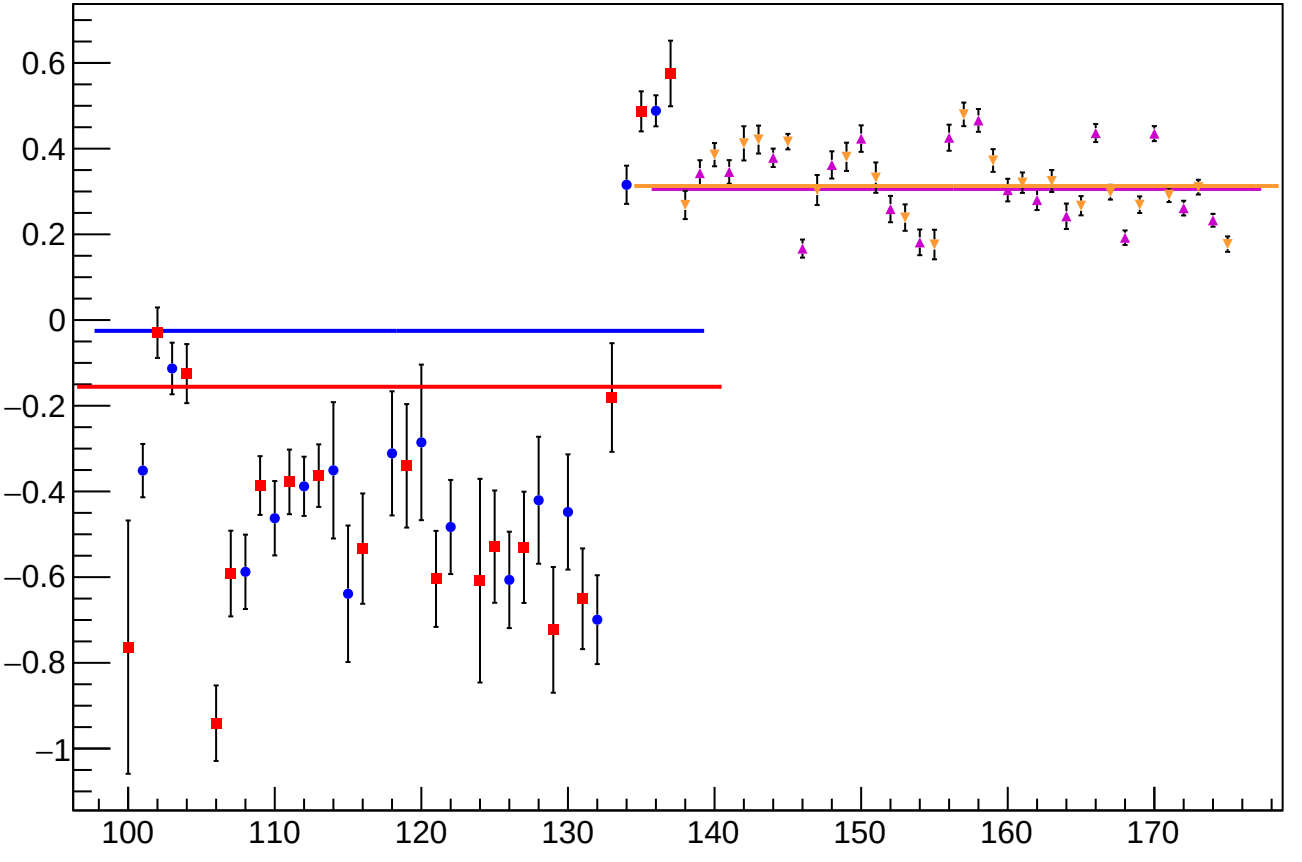
Left In: 3.864+/-0.120 χ^2/NDF:889.1/17

+ sign 3.340+/-0.111 χ^2/NDF: 2136.2/35

All: 3.597+/-0.080 χ^2/NDF: 3327.7/72

- sign 3.866+/-0.114 χ^2/NDF: 1180.6/36

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.313+/-0.005 χ^2/NDF:195.7/19

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

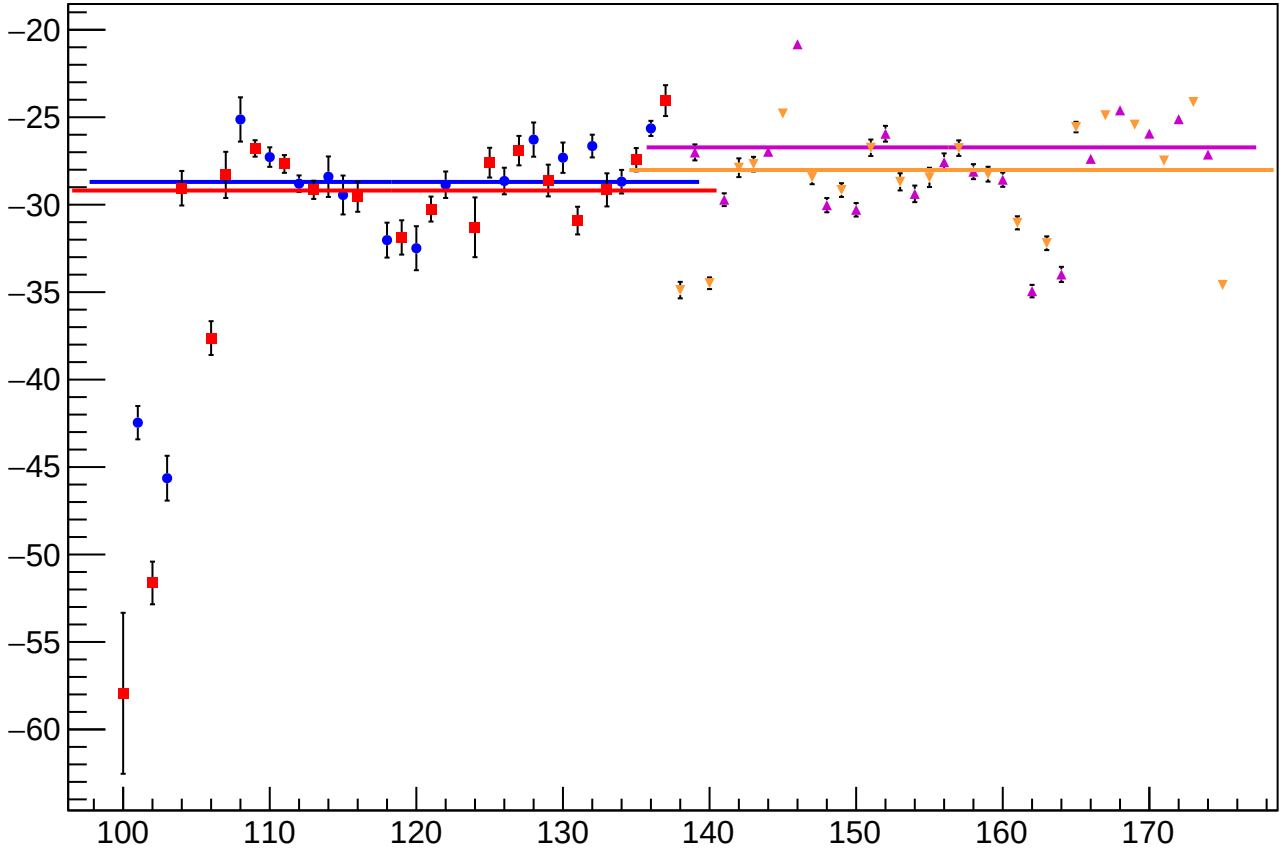
Left In: 0.306+/-0.005 χ^2/NDF:320.5/17

+ sign 0.288+/-0.005 χ^2/NDF: 1003.4/35

All: 0.282+/-0.004 χ^2/NDF: 2309.3/72

- sign 0.276+/-0.005 χ^2/NDF: 1302.9/36

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.017+/-0.068 χ^2/NDF:2931.0/19

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

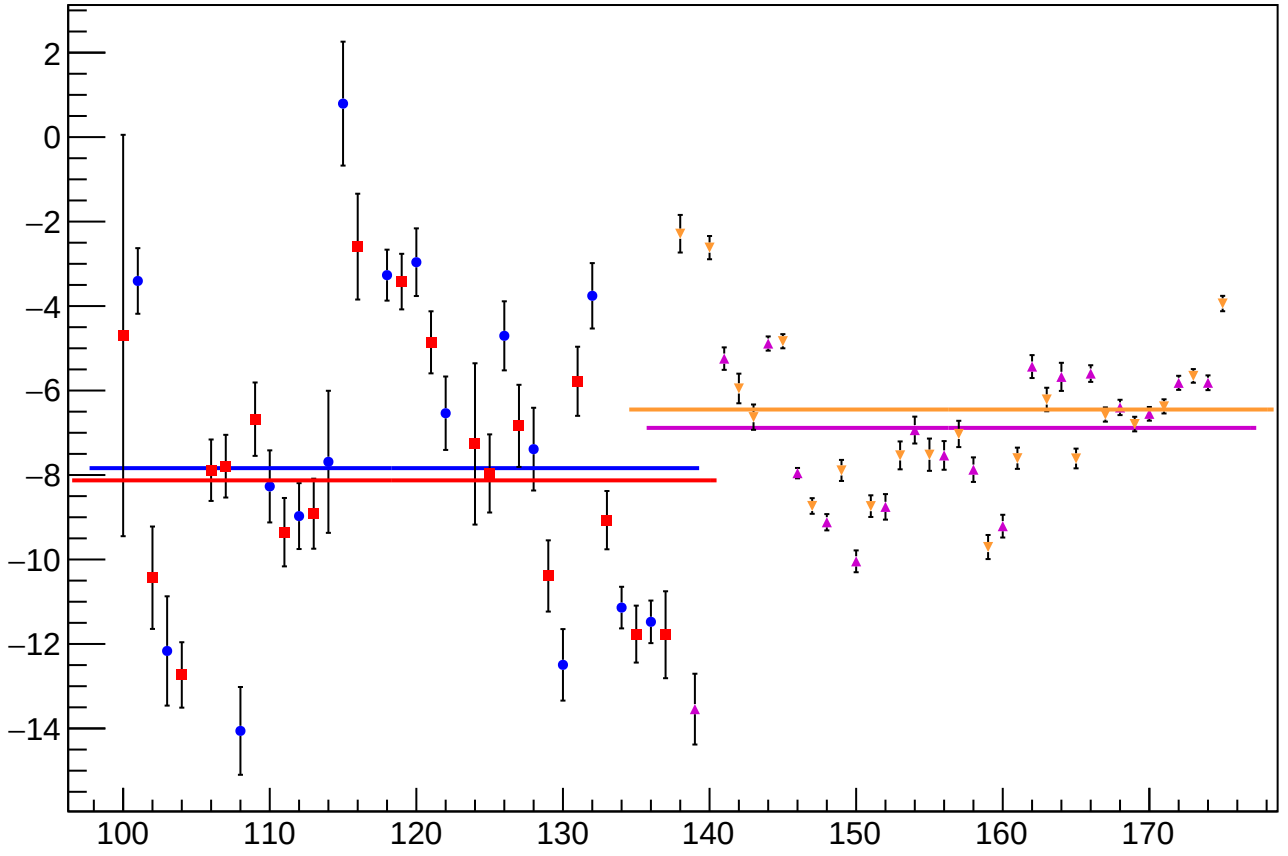
Left In: -26.724+/-0.069 χ^2/NDF:2075.3/17

+ sign -28.098+/-0.064 χ^2/NDF: 3430.1/35

All: -27.573+/-0.046 χ^2/NDF: 6359.0/72

- sign -27.039+/-0.065 χ^2/NDF: 2794.1/36

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.449+/-0.050 χ^2/NDF:1059.8/19

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

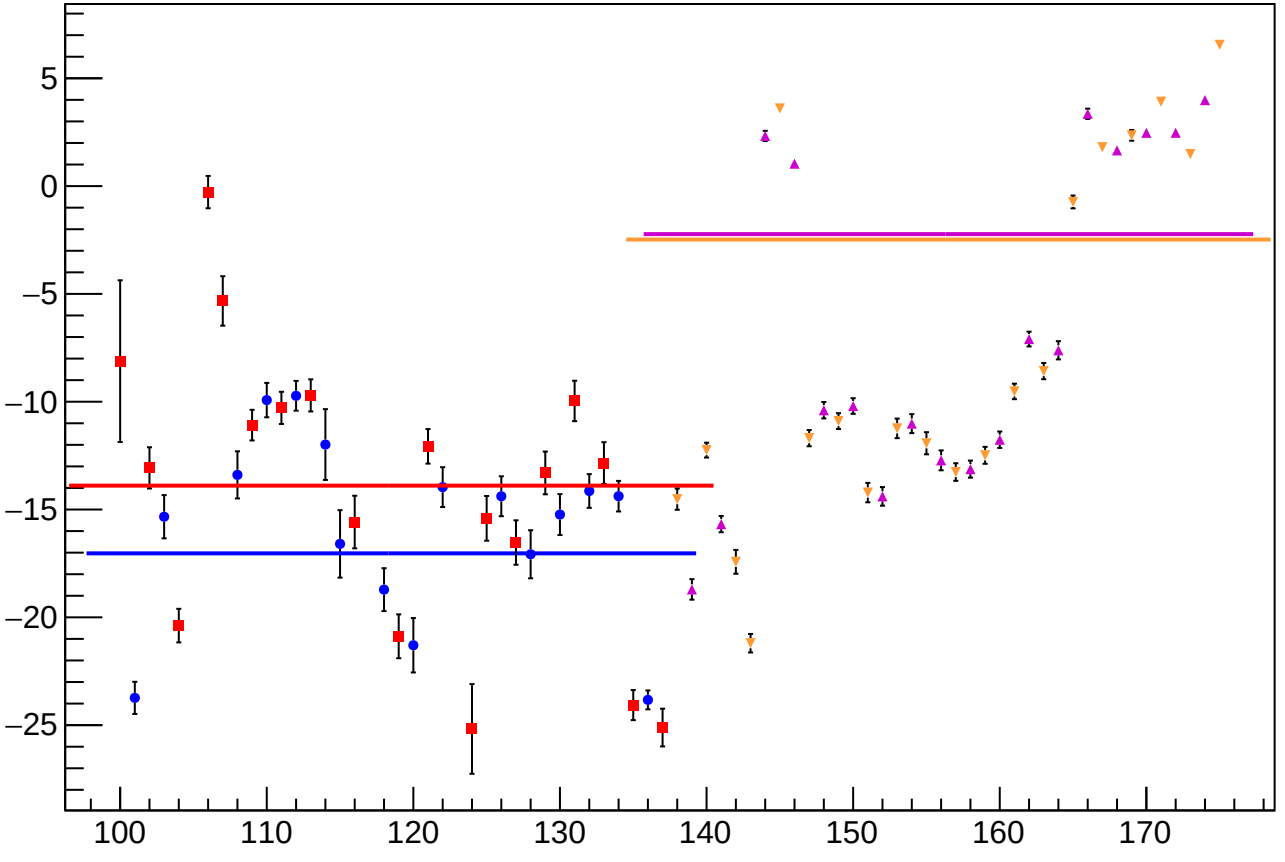
Left In: -6.884+/-0.050 χ^2/NDF:903.8/17

+ sign -6.537+/-0.049 χ^2/NDF: 1490.5/35

All: -6.750+/-0.034 χ^2/NDF: 2666.9/72

- sign -6.960+/-0.048 χ^2/NDF: 1138.6/36

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -2.478+/-0.068 χ^2/NDF:13483.3/19

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

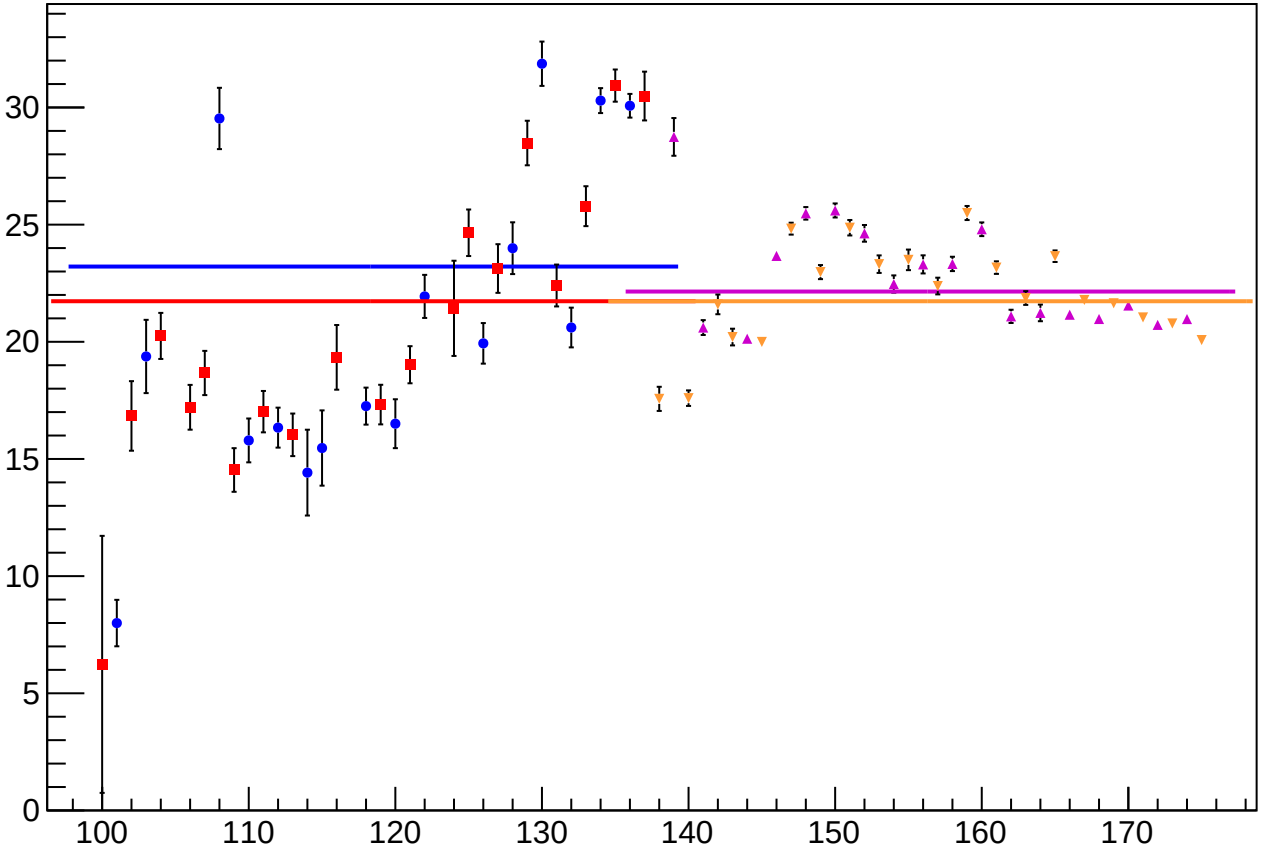
Left In: -2.227+/-0.069 χ^2/NDF:10046.0/17

+ sign -3.876+/-0.065 χ^2/NDF: 18452.8/35

All: -3.630+/-0.046 χ^2/NDF: 32344.5/72

- sign -3.377+/-0.066 χ^2/NDF: 13862.6/36

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.731+/-0.057 χ^2/NDF:981.1/19

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

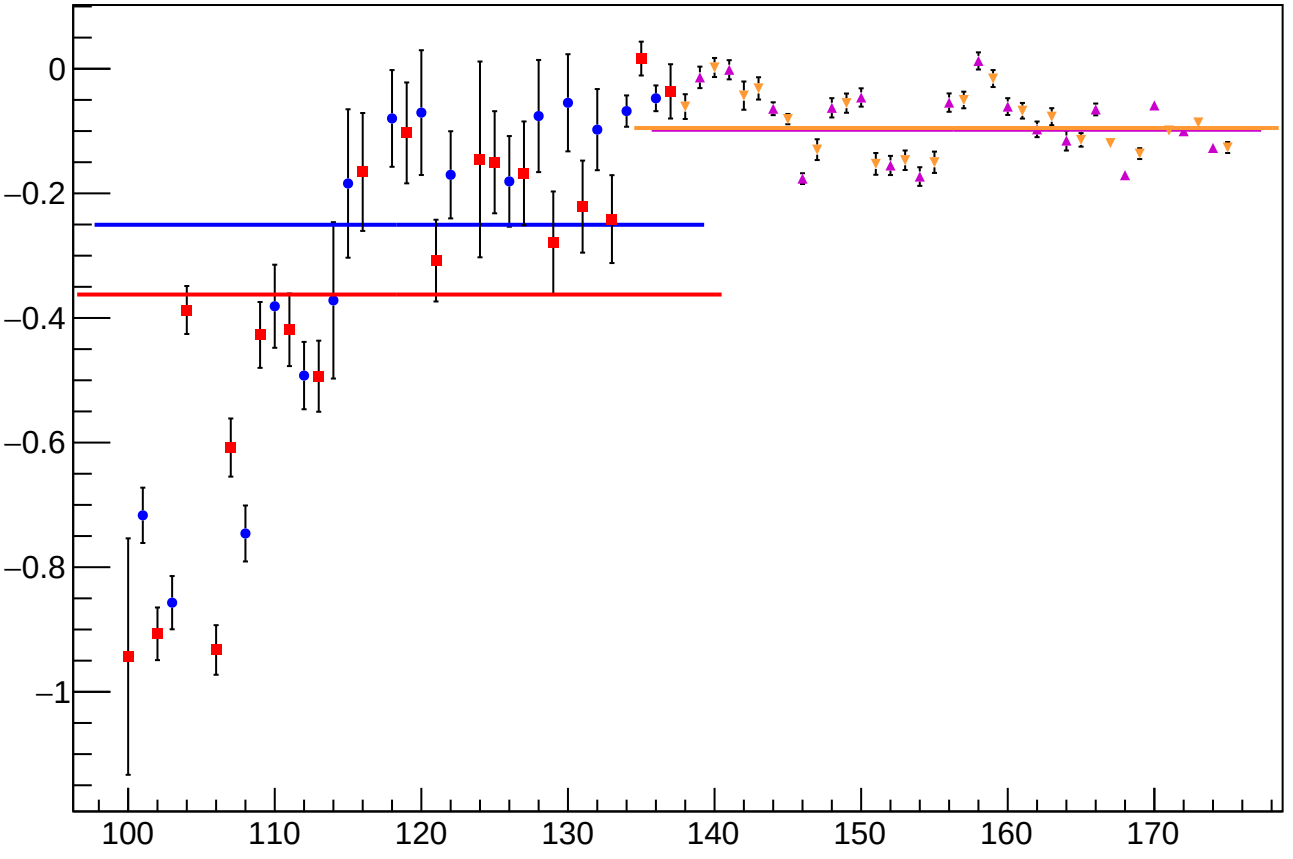
Left In: 22.145+/-0.057 χ^2/NDF:922.7/17

+ sign 21.825+/-0.055 χ^2/NDF: 2032.4/35

All: 21.972+/-0.039 χ^2/NDF: 3530.7/72

- sign 22.120+/-0.055 χ^2/NDF: 1484.1/36

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.095+/-0.003 χ^2/NDF:208.2/19

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

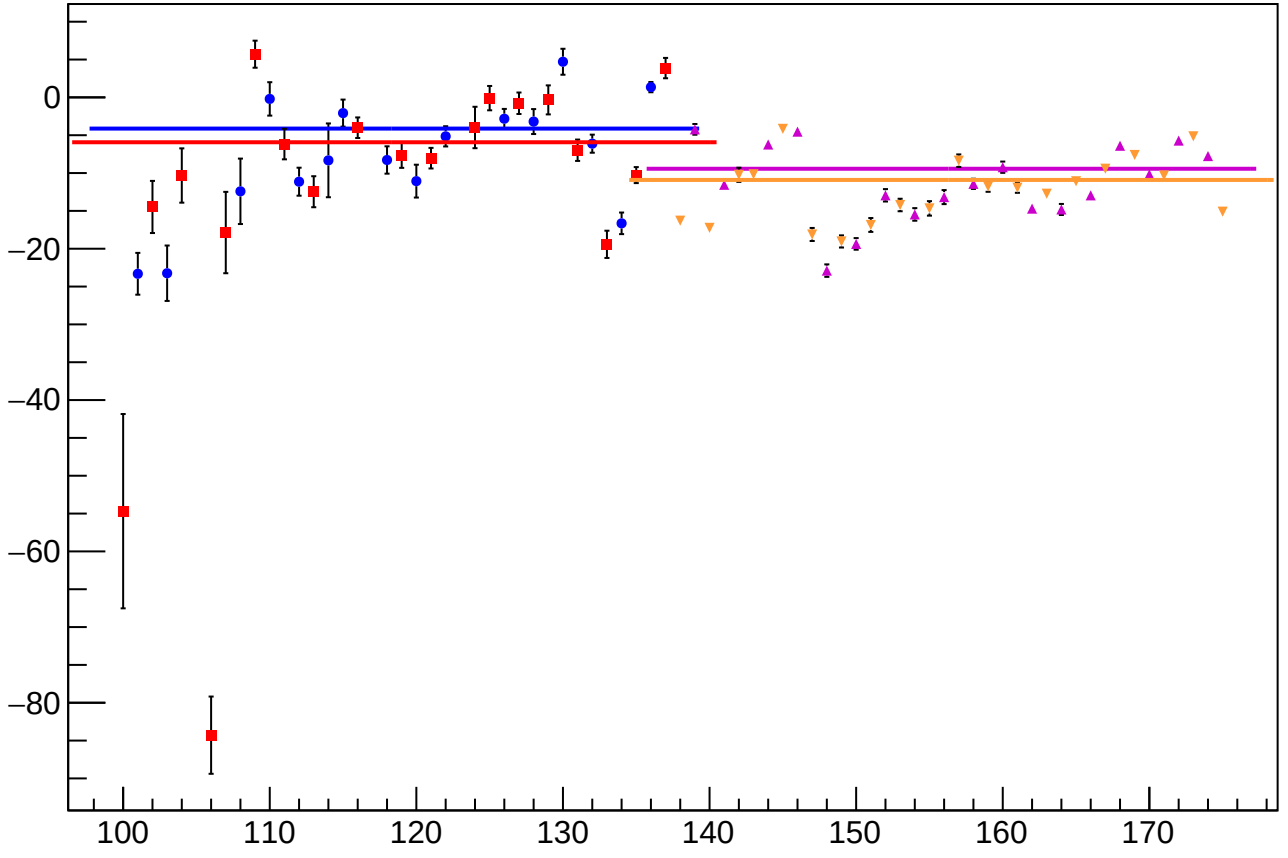
Left In: -0.098+/-0.003 χ^2/NDF:430.3/17

+ sign -0.102+/-0.003 χ^2/NDF: 1011.0/35

All: -0.106+/-0.002 χ^2/NDF: 2588.7/72

- sign -0.109+/-0.003 χ^2/NDF: 1574.3/36

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -10.910+/-0.121 χ^2/NDF:1258.5/19

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

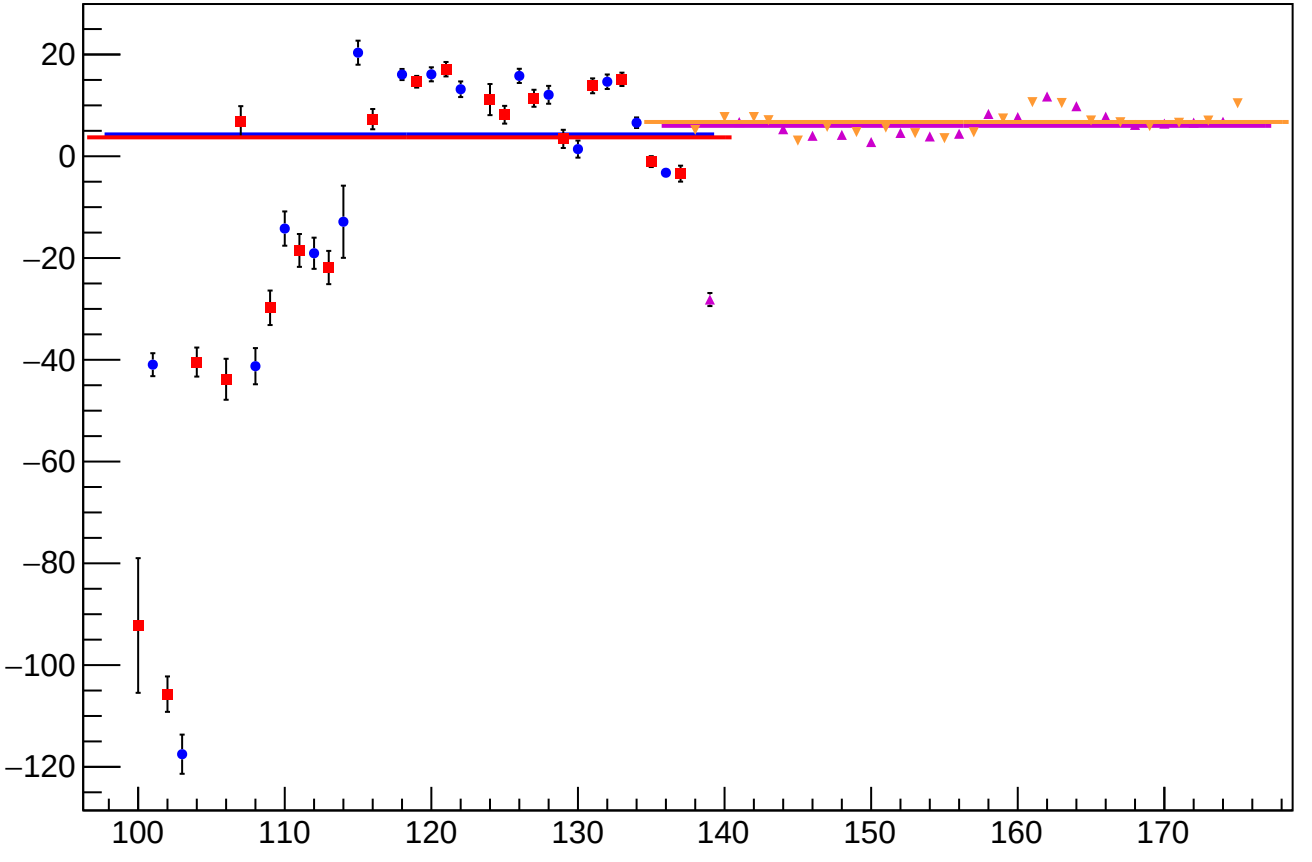
Left In: -9.432+/-0.125 χ^2/NDF:1159.8/17

+ sign -10.293+/-0.115 χ^2/NDF: 1833.6/35

All: -9.734+/-0.083 χ^2/NDF: 3592.6/72

- sign -9.132+/-0.119 χ^2/NDF: 1709.9/36

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.739+/-0.090 χ^2/NDF:543.6/19

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

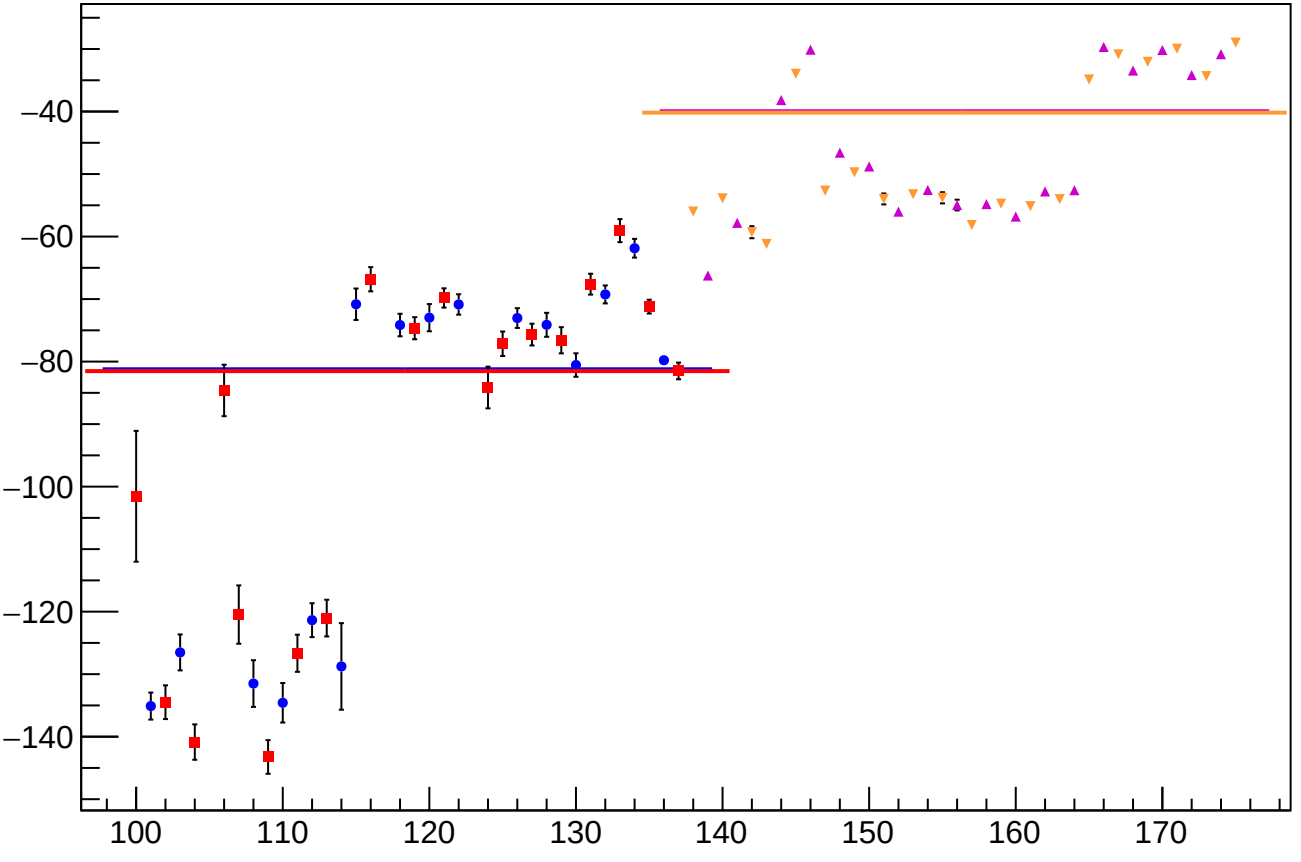
Left In: 5.981+/-0.092 χ^2/NDF:1143.2/17

+ sign 6.612+/-0.088 χ^2/NDF: 2751.0/35

All: 6.252+/-0.063 χ^2/NDF: 5962.9/72

- sign 5.879+/-0.090 χ^2/NDF: 3177.8/36

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -40.179+/-0.121 χ^2/NDF:8964.6/19

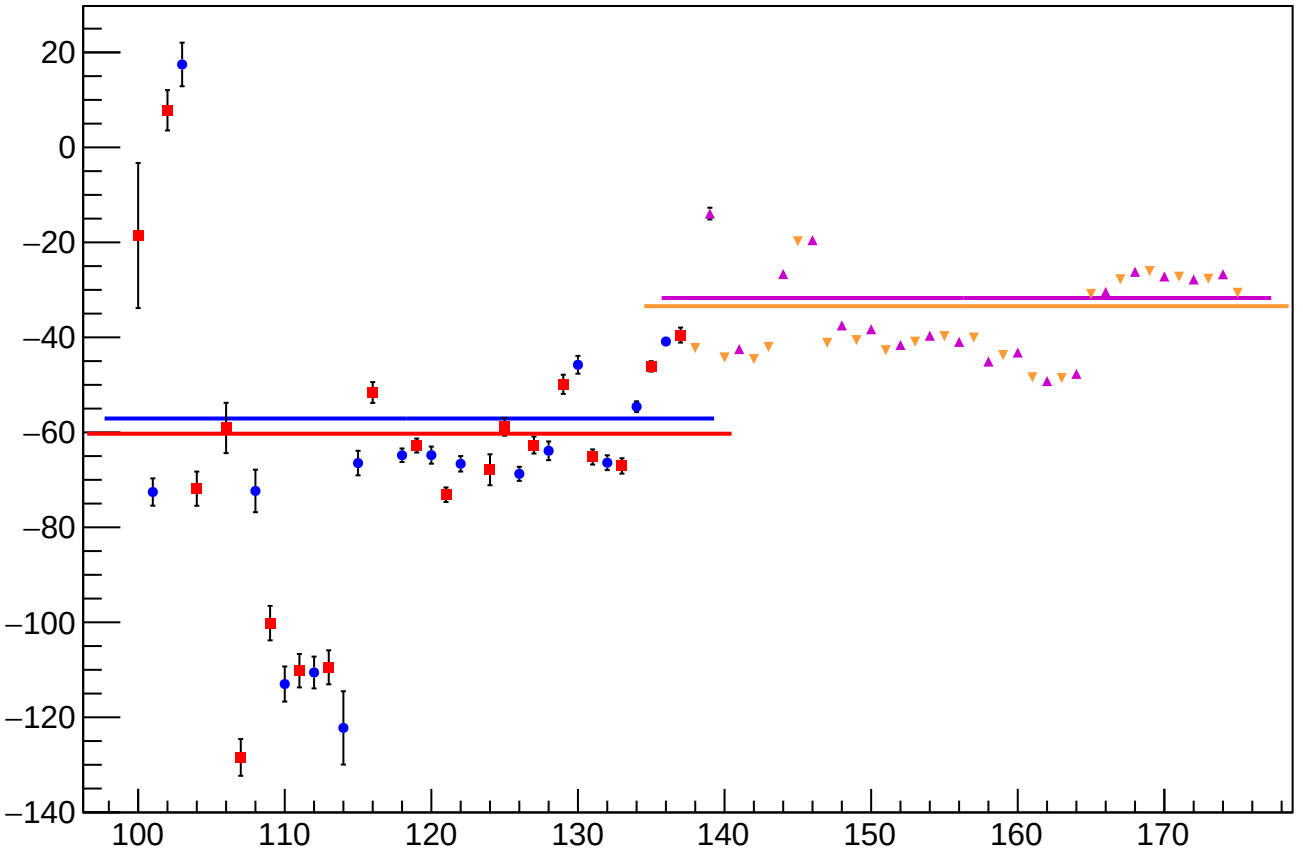
Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -39.955+/-0.125 χ^2/NDF:8074.4/17

+ sign -43.347+/-0.116 χ^2/NDF: 19886.6/35

All: -43.077+/-0.083 χ^2/NDF: 37822.5/72

- sign -42.786+/-0.120 χ^2/NDF: 17924.7/36



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -33.431+/-0.101 χ^2/NDF:7264.3/19

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

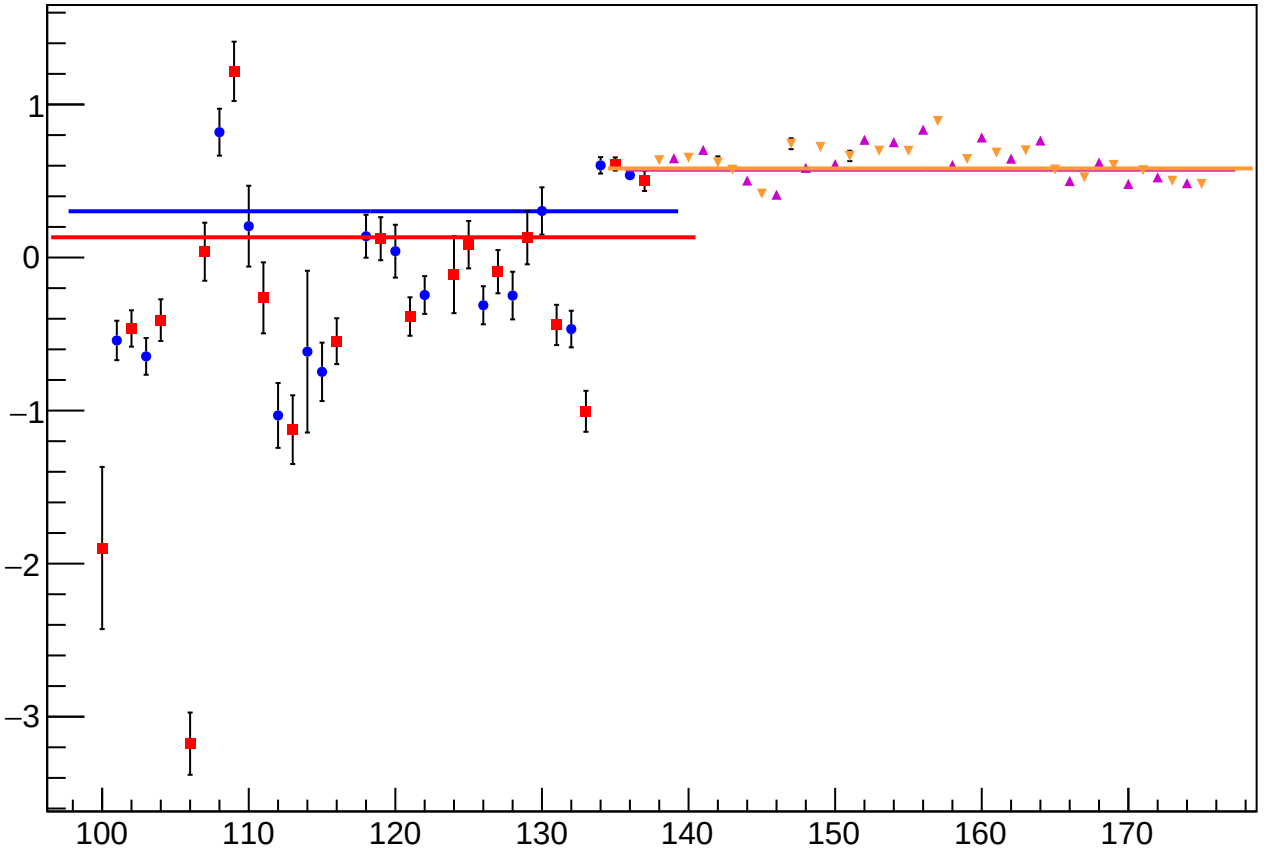
Left In: -31.713+/-0.104 χ^2/NDF:7246.7/17

+ sign -34.697+/-0.098 χ^2/NDF: 11713.8/35

All: -33.893+/-0.071 χ^2/NDF: 24209.8/72

- sign -33.041+/-0.101 χ^2/NDF: 12358.6/36

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.582+/-0.005 χ^2/NDF:521.7/19

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

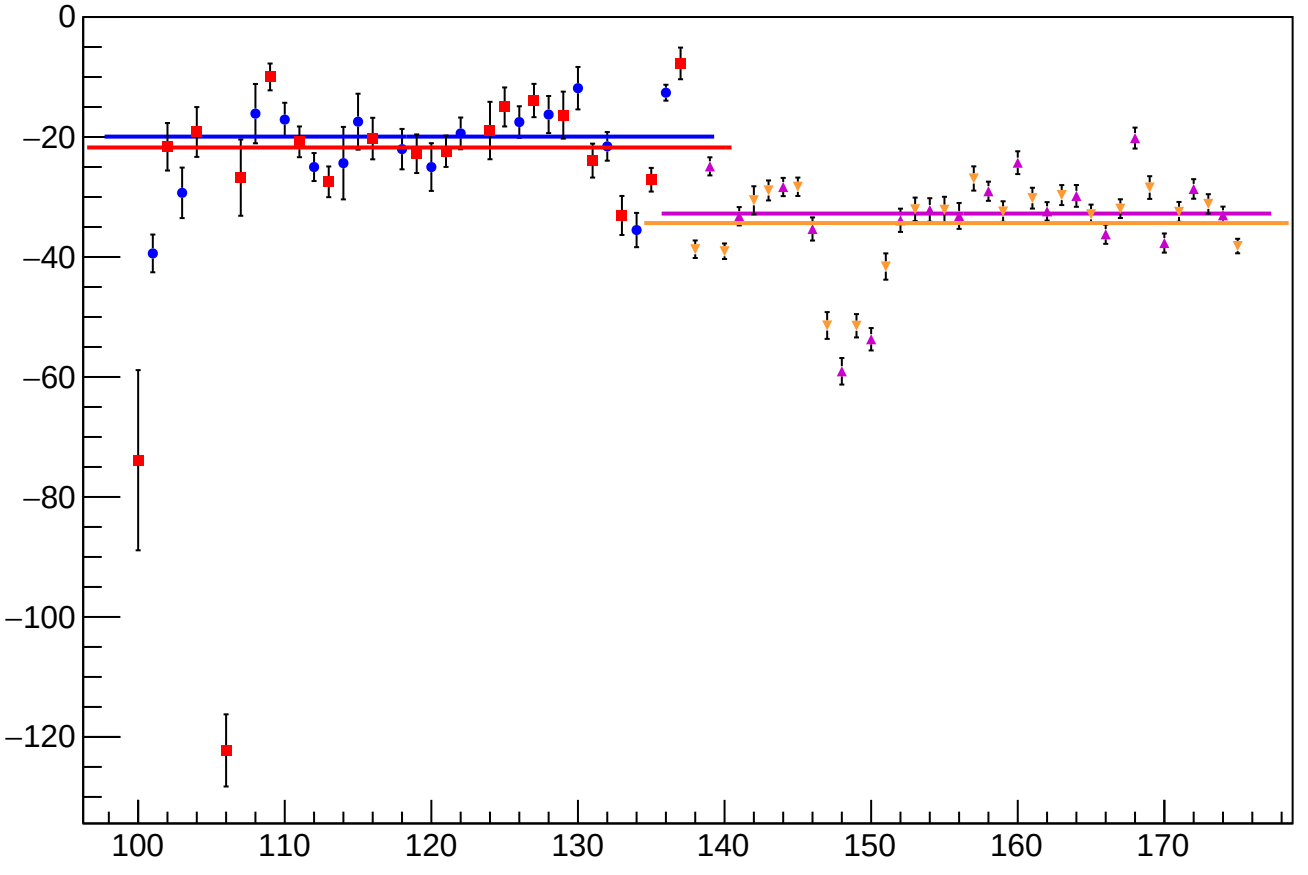
Left In: 0.574+/-0.005 χ^2/NDF:594.9/17

+ sign 0.571+/-0.004 χ^2/NDF: 1039.6/35

All: 0.566+/-0.003 χ^2/NDF: 2579.6/72

- sign 0.561+/-0.005 χ^2/NDF: 1537.4/36

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.344+/-0.379 χ^2/NDF:256.9/19

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

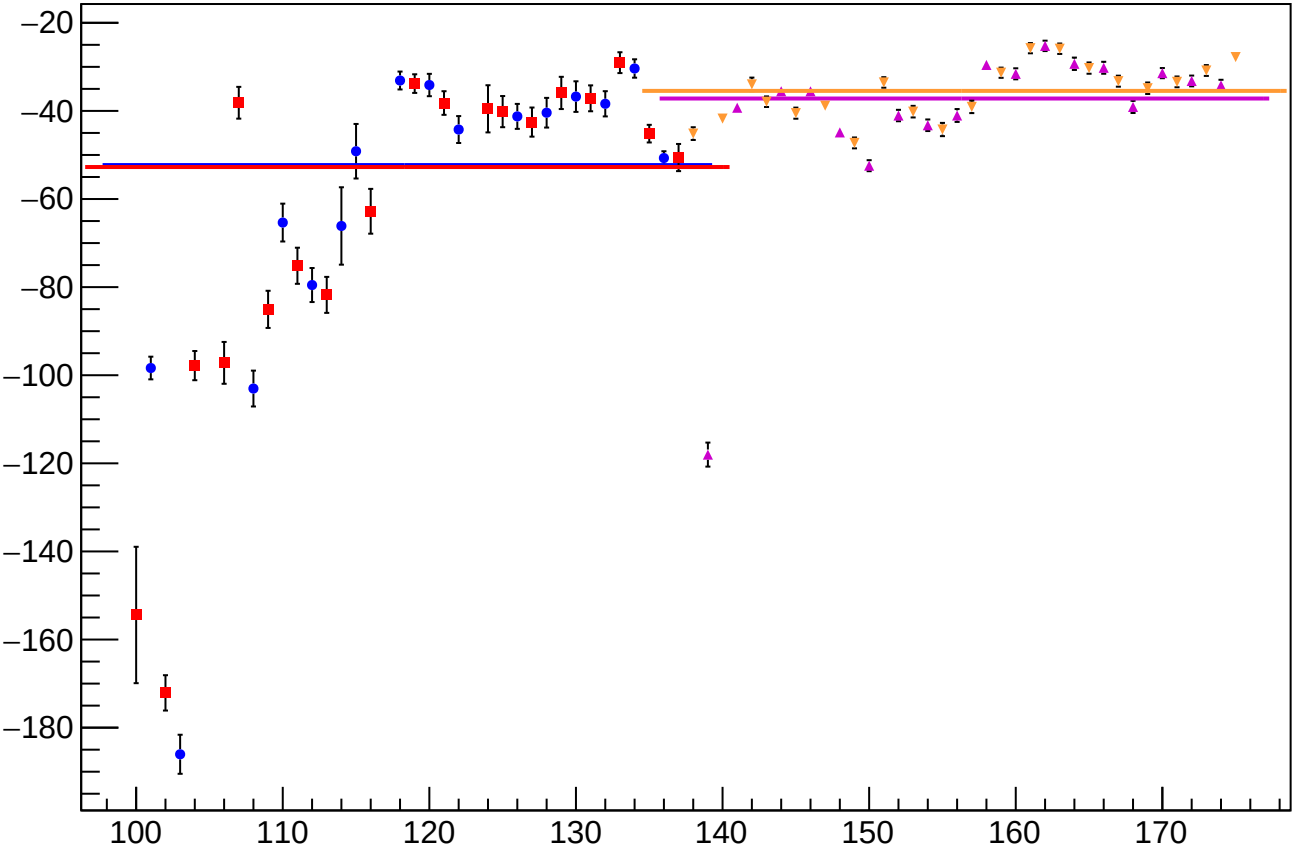
Left In: -32.762+/-0.403 χ^2/NDF:405.4/17

+ sign -31.042+/-0.333 χ^2/NDF: 709.0/35

All: -30.596+/-0.241 χ^2/NDF: 1687.2/72

- sign -30.100+/-0.351 χ^2/NDF: 974.4/36

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -35.455+/-0.277 χ^2/NDF:486.9/19

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

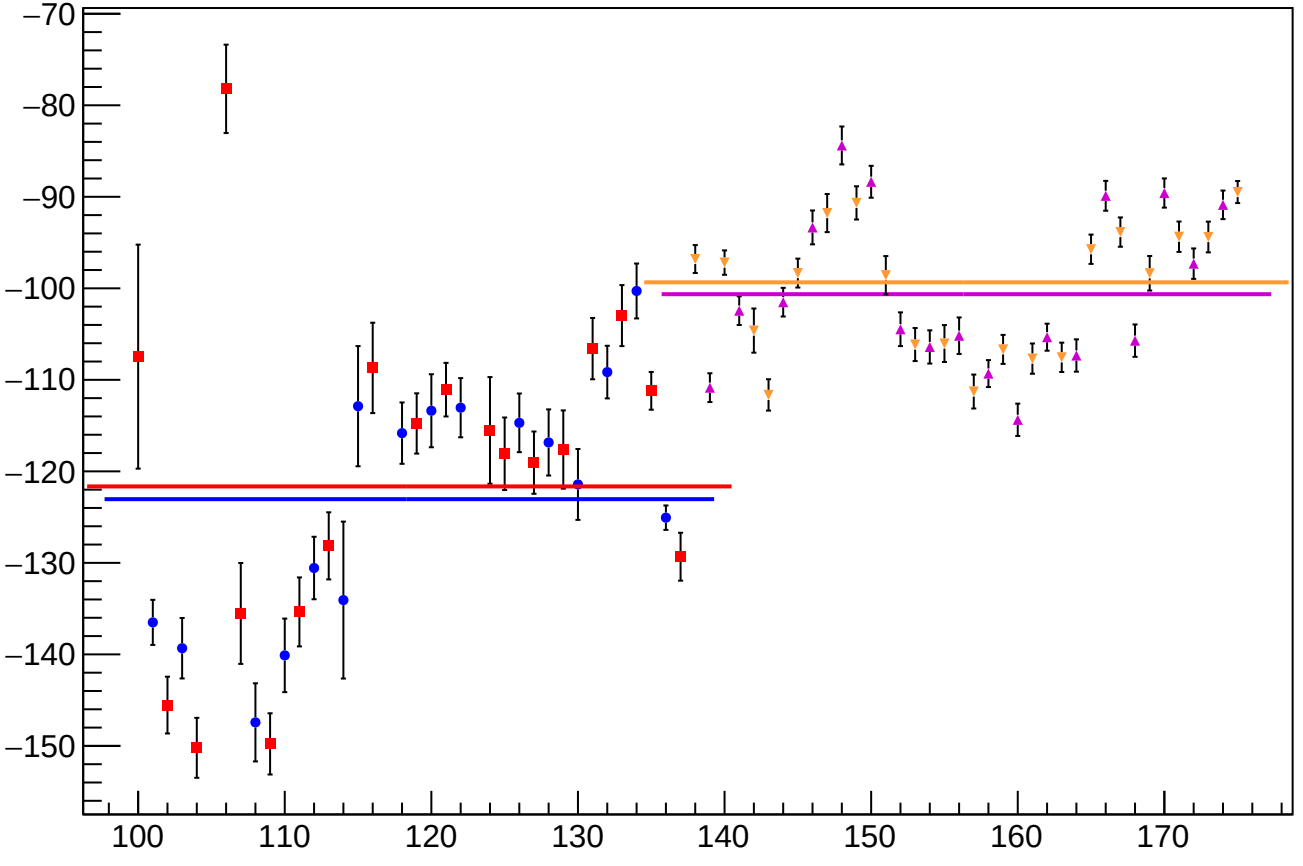
Left In: -37.187+/-0.295 χ^2/NDF:1398.1/17

+ sign -37.694+/-0.258 χ^2/NDF: 2755.6/35

All: -38.438+/-0.188 χ^2/NDF: 6207.7/72

- sign -39.278+/-0.274 χ^2/NDF: 3434.5/36

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -99.345+/-0.374 χ^2/NDF:339.6/19

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

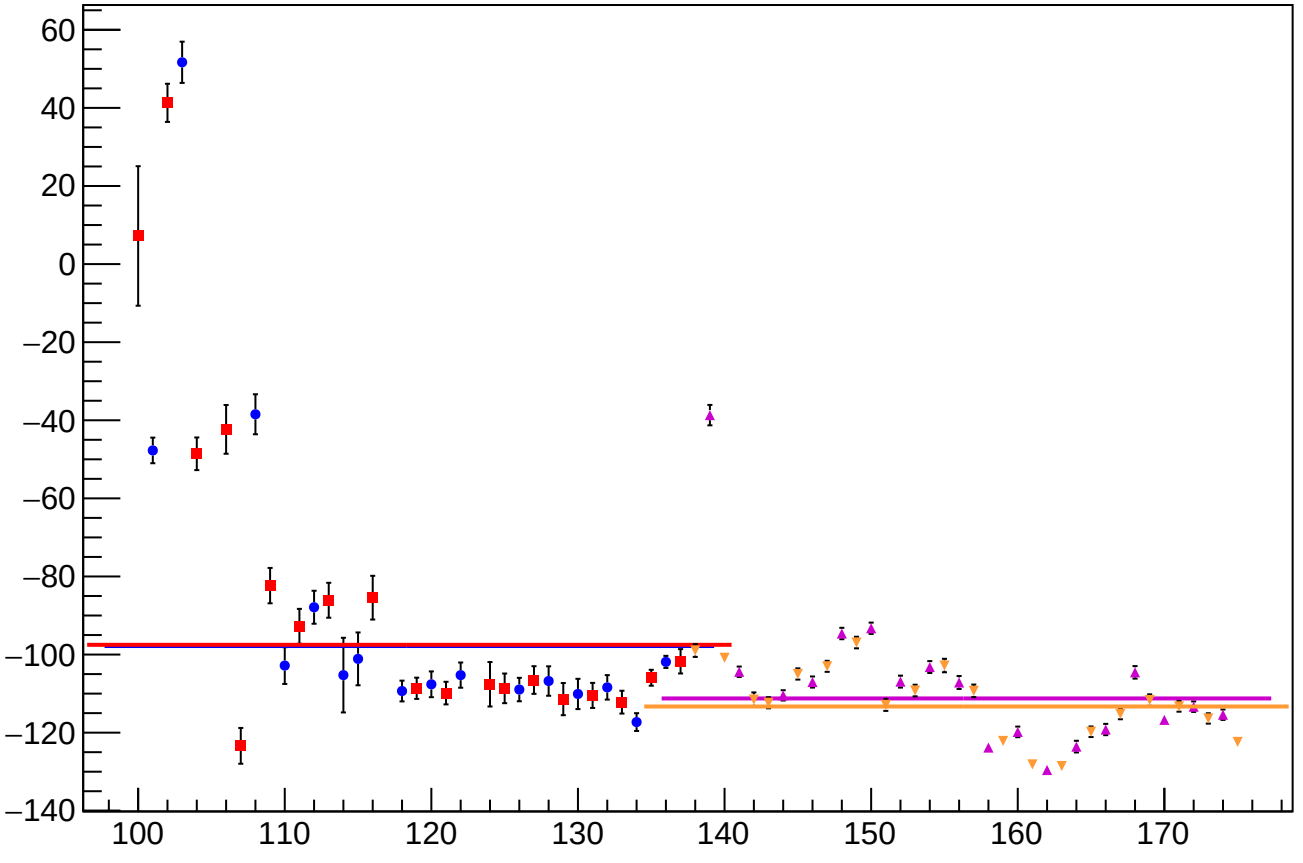
Left In: -100.641+/-0.397 χ^2/NDF:452.5/17

+ sign -104.074+/-0.335 χ^2/NDF: 1365.2/35

All: -104.407+/-0.244 χ^2/NDF: 2796.2/72

- sign -104.783+/-0.356 χ^2/NDF: 1428.8/36

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -113.303+/-0.315 χ^2/NDF:862.4/19

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

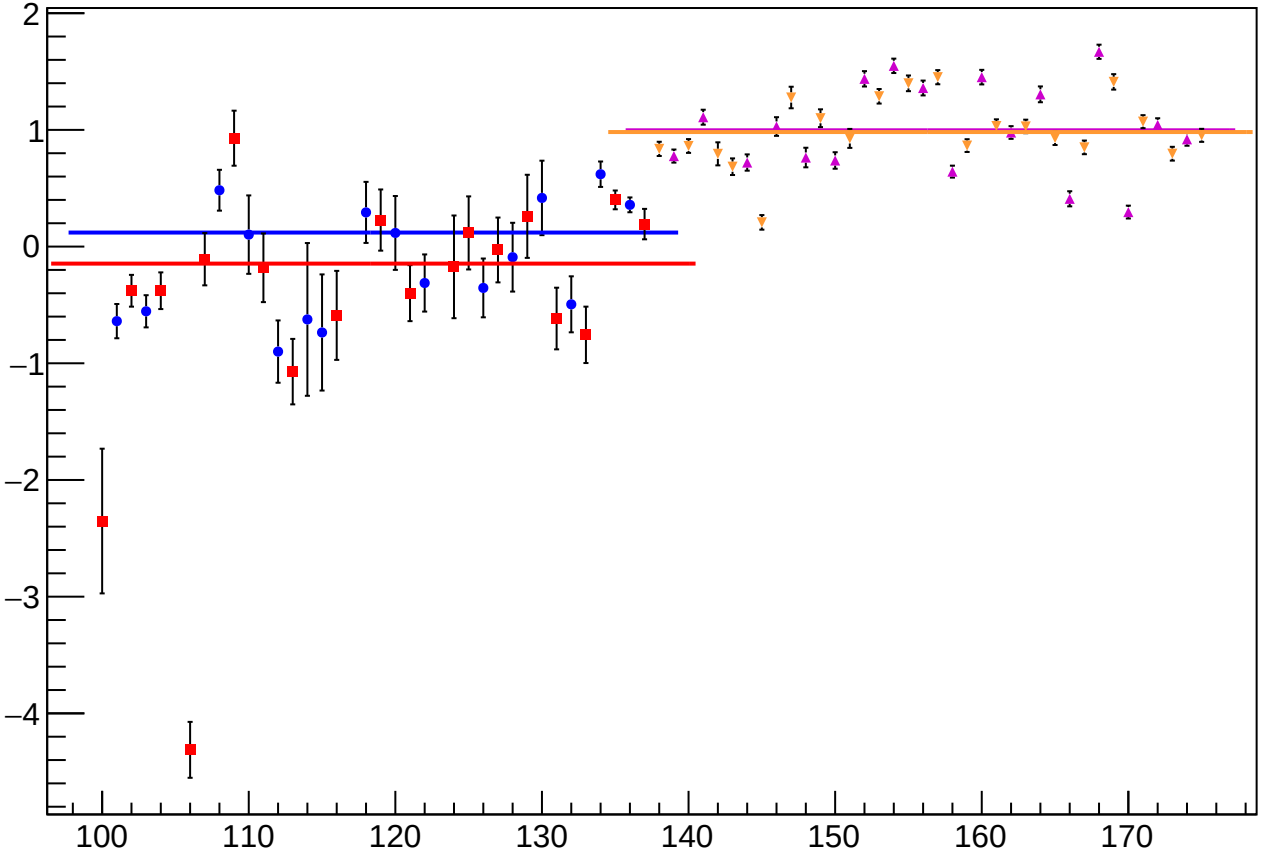
Left In: -111.239+/-0.333 χ^2/NDF:1662.0/17

+ sign -111.198+/-0.292 χ^2/NDF: 2522.9/35

All: -110.342+/-0.213 χ^2/NDF: 5669.3/72

- sign -109.380+/-0.310 χ^2/NDF: 3128.2/36

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.982+/-0.014 χ^2/NDF:385.9/19

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

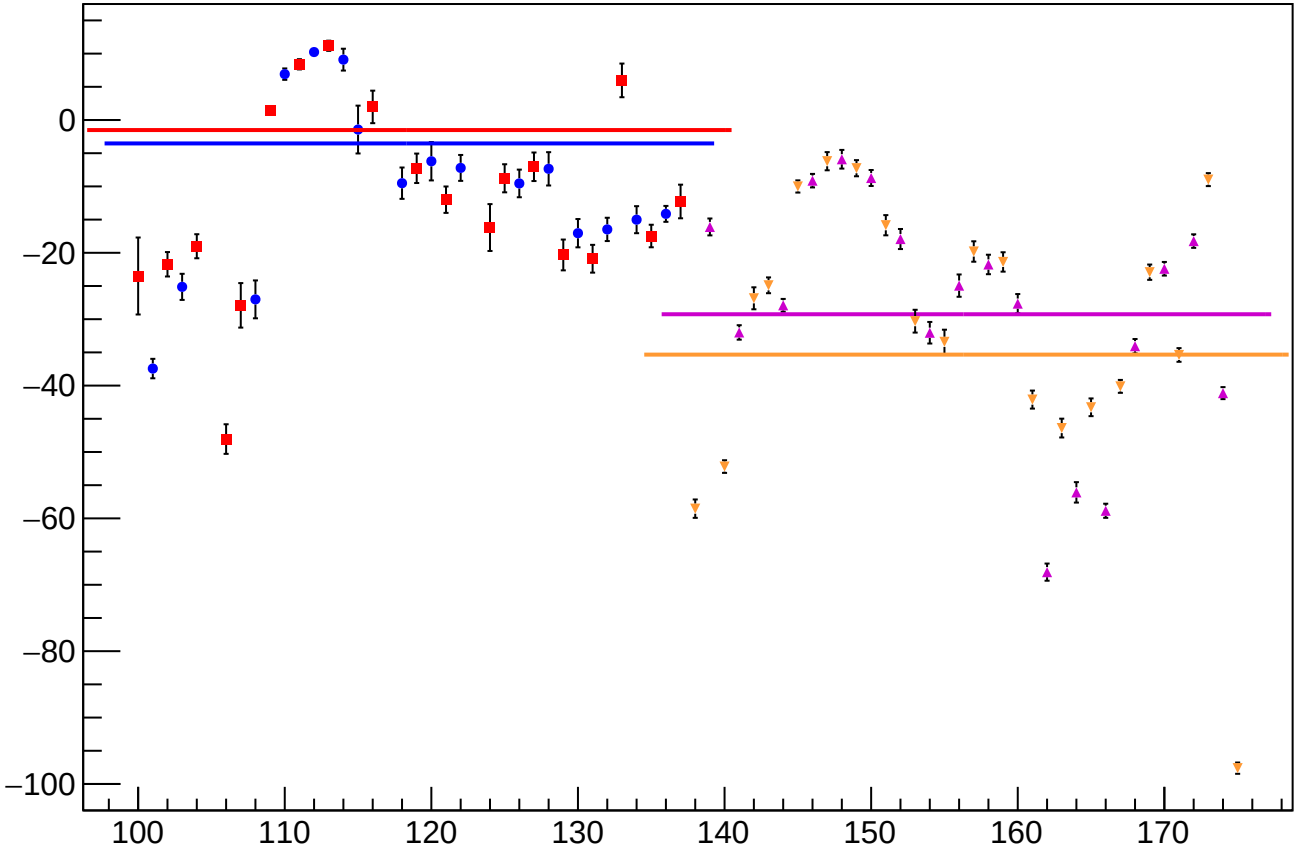
Left In: 0.996+/-0.015 χ^2/NDF:703.4/17

+ sign 0.890+/-0.013 χ^2/NDF: 900.1/35

All: 0.888+/-0.010 χ^2/NDF: 2610.1/72

- sign 0.887+/-0.014 χ^2/NDF: 1710.0/36

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -35.335+/-0.269 χ^2/NDF:9169.0/19

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

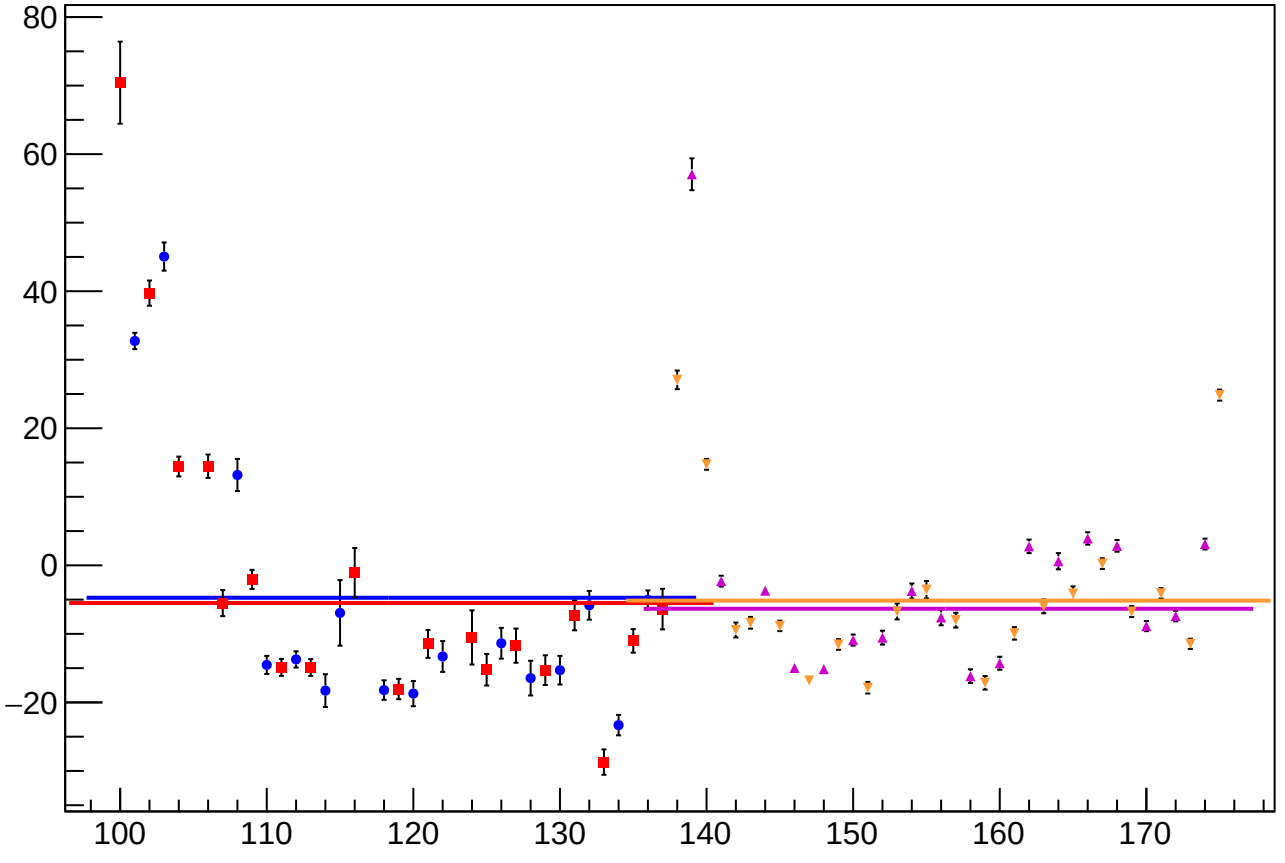
Left In: -29.254+/-0.281 χ^2/NDF:3498.7/17

+ sign -24.601+/-0.219 χ^2/NDF: 15420.1/35

All: -21.235+/-0.154 χ^2/NDF: 24892.8/72

- sign -17.957+/-0.216 χ^2/NDF: 9005.8/36

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -5.143+/-0.195 χ^2/NDF:3596.6/19

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

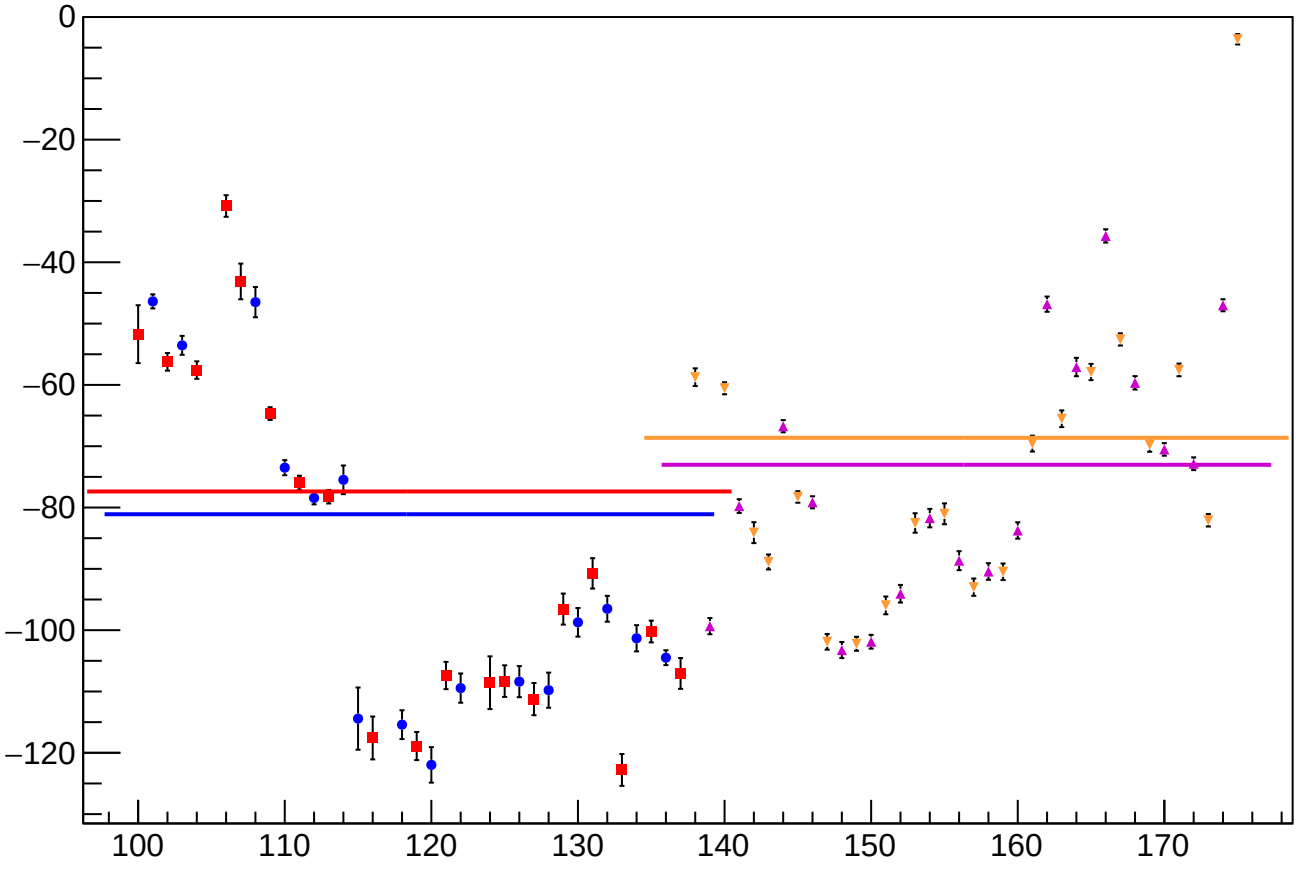
Left In: -6.334+/-0.203 χ^2/NDF:1896.8/17

+ sign -5.072+/-0.178 χ^2/NDF: 5745.3/35

All: -5.608+/-0.127 χ^2/NDF: 9172.6/72

- sign -6.175+/-0.183 χ^2/NDF: 3408.6/36

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -68.626+/-0.267 χ^2/NDF:9649.3/19

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

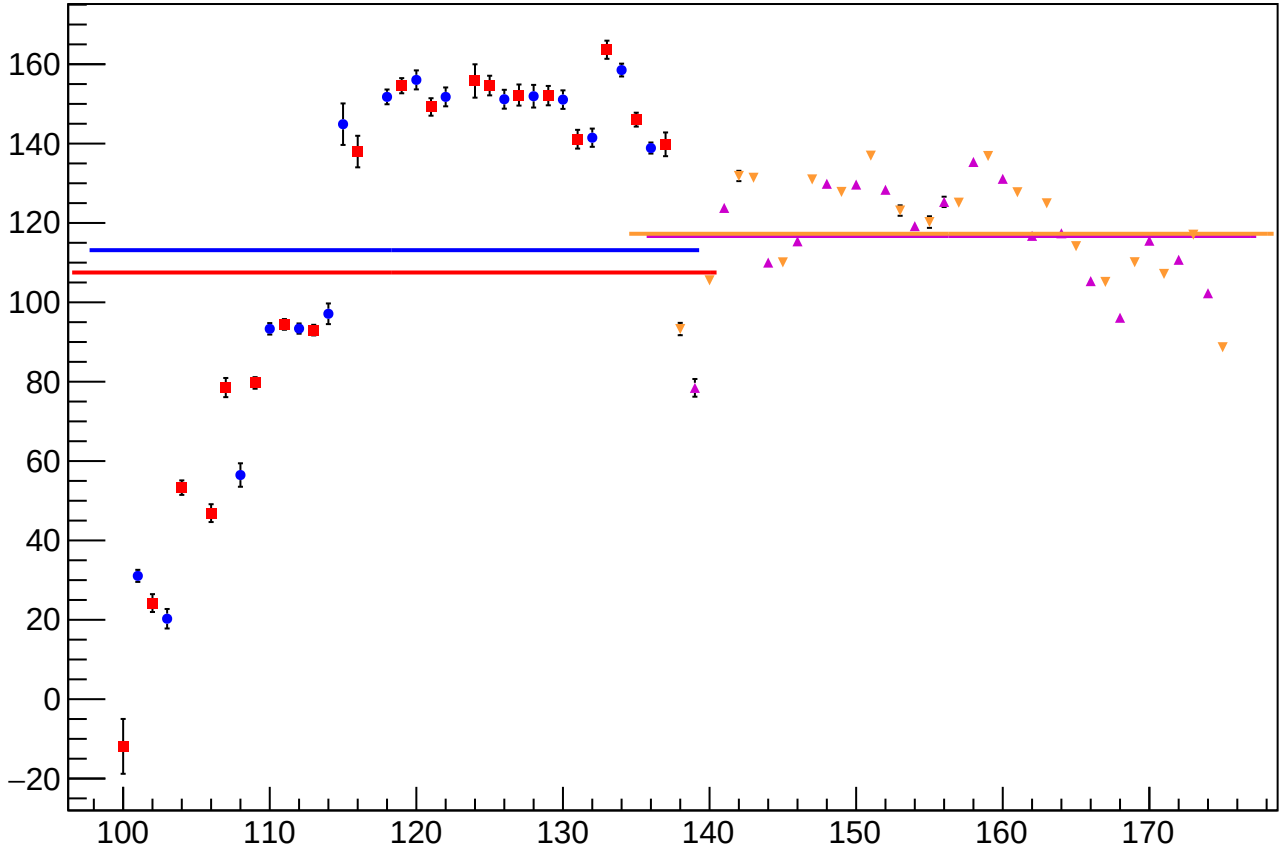
Left In: -73.030+/-0.278 χ^2/NDF:4873.8/17

+ sign -71.994+/-0.228 χ^2/NDF: 13109.7/35

All: -73.164+/-0.162 χ^2/NDF: 21242.0/72

- sign -74.370+/-0.231 χ^2/NDF: 8078.8/36

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 117.276+/-0.223 χ^2/NDF:3663.3/19

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

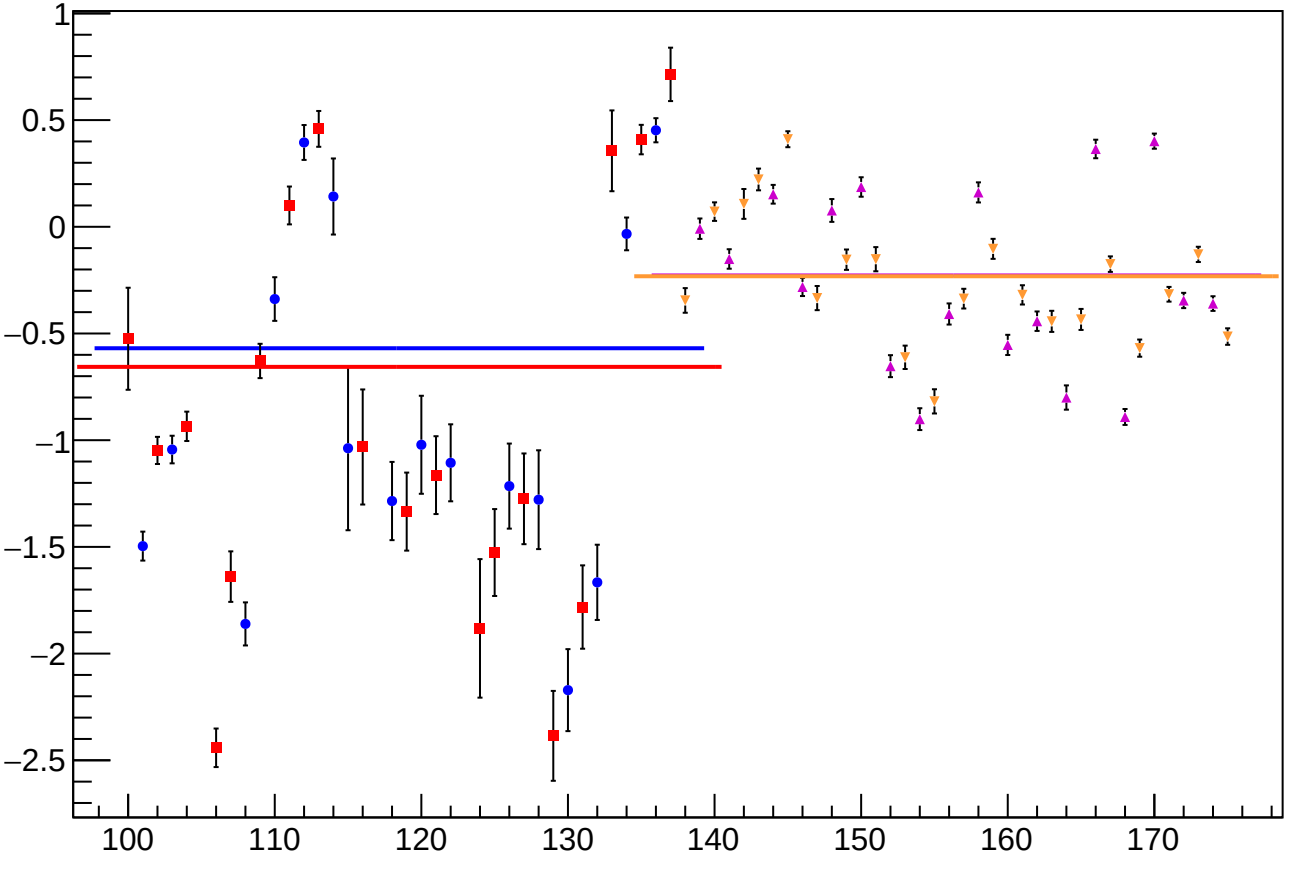
Left In: 116.715+/-0.232 χ^2/NDF:2388.9/17

+ sign 116.566+/-0.203 χ^2/NDF: 11926.5/35

All: 115.792+/-0.145 χ^2/NDF: 22188.0/72

- sign 114.972+/-0.209 χ^2/NDF: 10231.4/36

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.232+/-0.010 χ^2/NDF:804.5/19

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

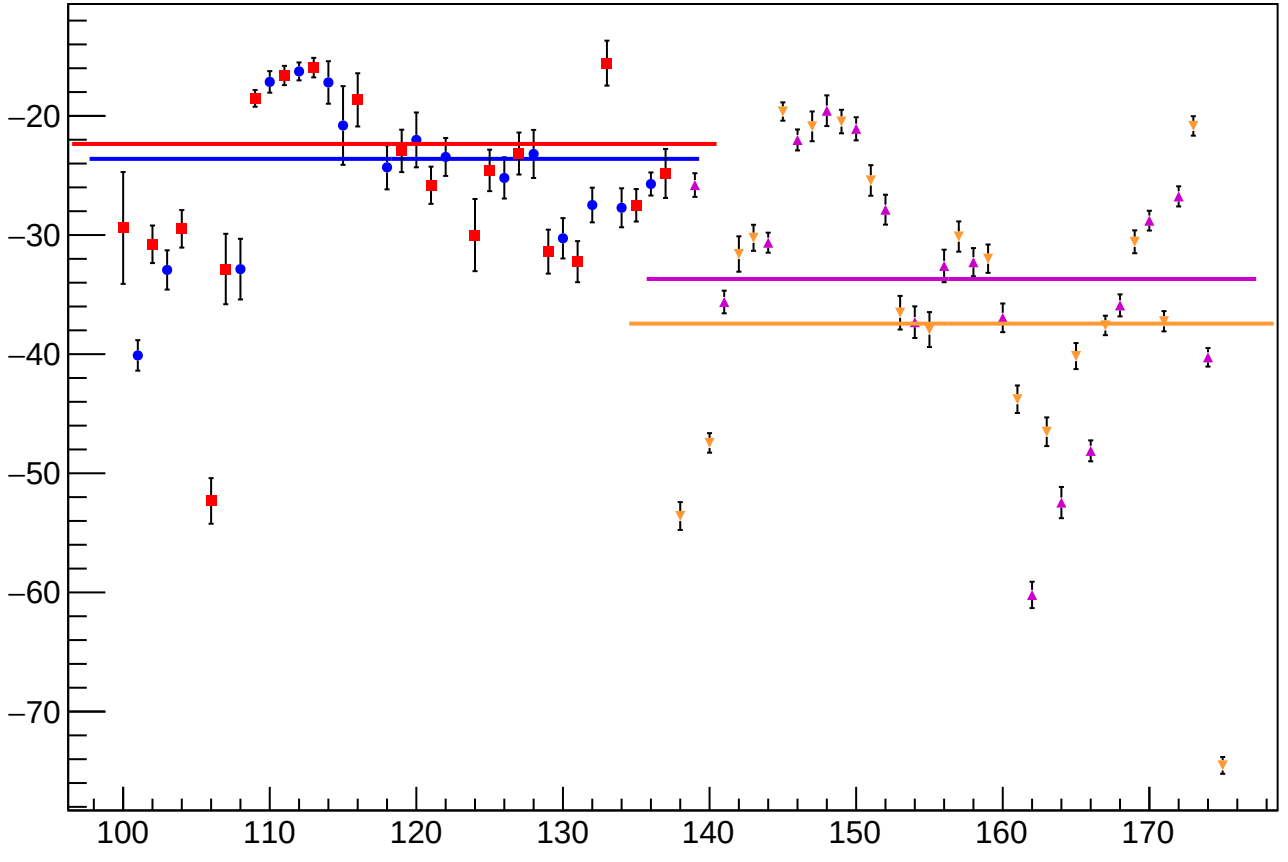
Left In: -0.228+/-0.010 χ^2/NDF:1550.9/17

+ sign -0.277+/-0.009 χ^2/NDF: 2050.1/35

All: -0.283+/-0.007 χ^2/NDF: 5164.3/72

- sign -0.290+/-0.010 χ^2/NDF: 3113.3/36

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -37.436+/-0.226 χ^2/NDF:4881.4/19

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

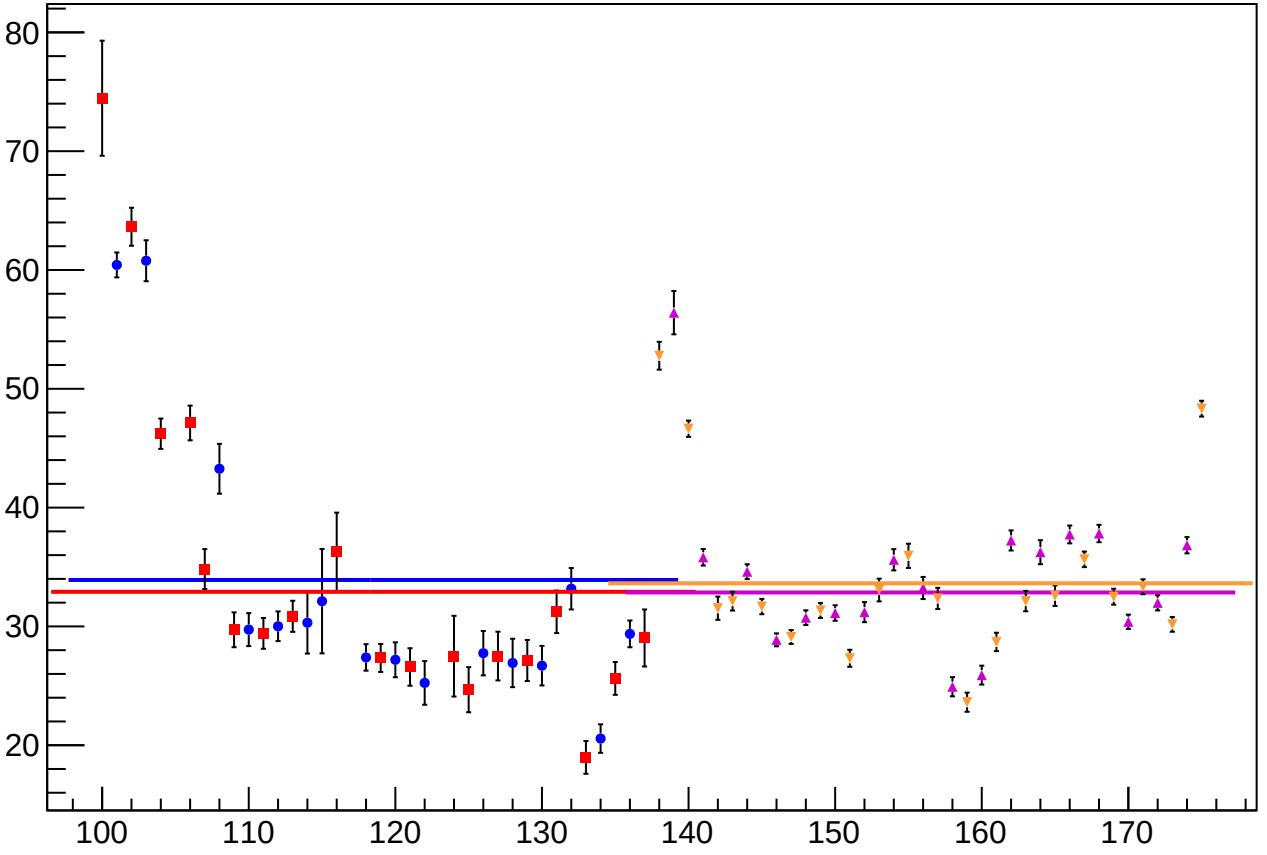
Left In: -33.689+/-0.236 χ^2/NDF:1813.8/17

+ sign -33.331+/-0.190 χ^2/NDF: 6396.4/35

All: -31.534+/-0.134 χ^2/NDF: 9749.1/72

- sign -29.730+/-0.190 χ^2/NDF: 3173.0/36

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 33.628+/-0.166 χ^2/NDF:1537.2/19

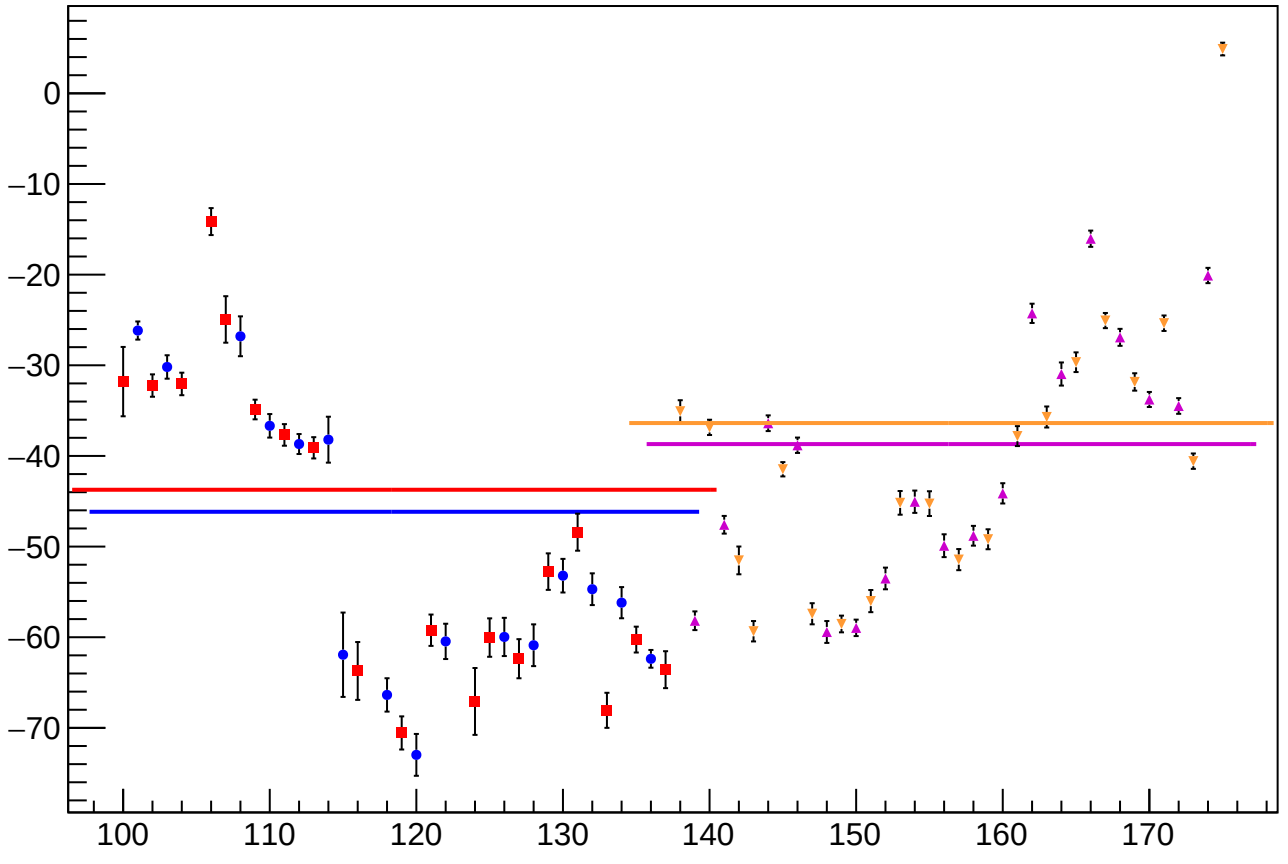
Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 32.857+/-0.173 χ^2/NDF:631.5/17

+ sign 33.674+/-0.152 χ^2/NDF: 2722.1/35

All: 33.283+/-0.109 χ^2/NDF: 4242.3/72

- sign 32.866+/-0.157 χ^2/NDF: 1506.5/36



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -36.372+/-0.224 χ^2/NDF:5995.1/19

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

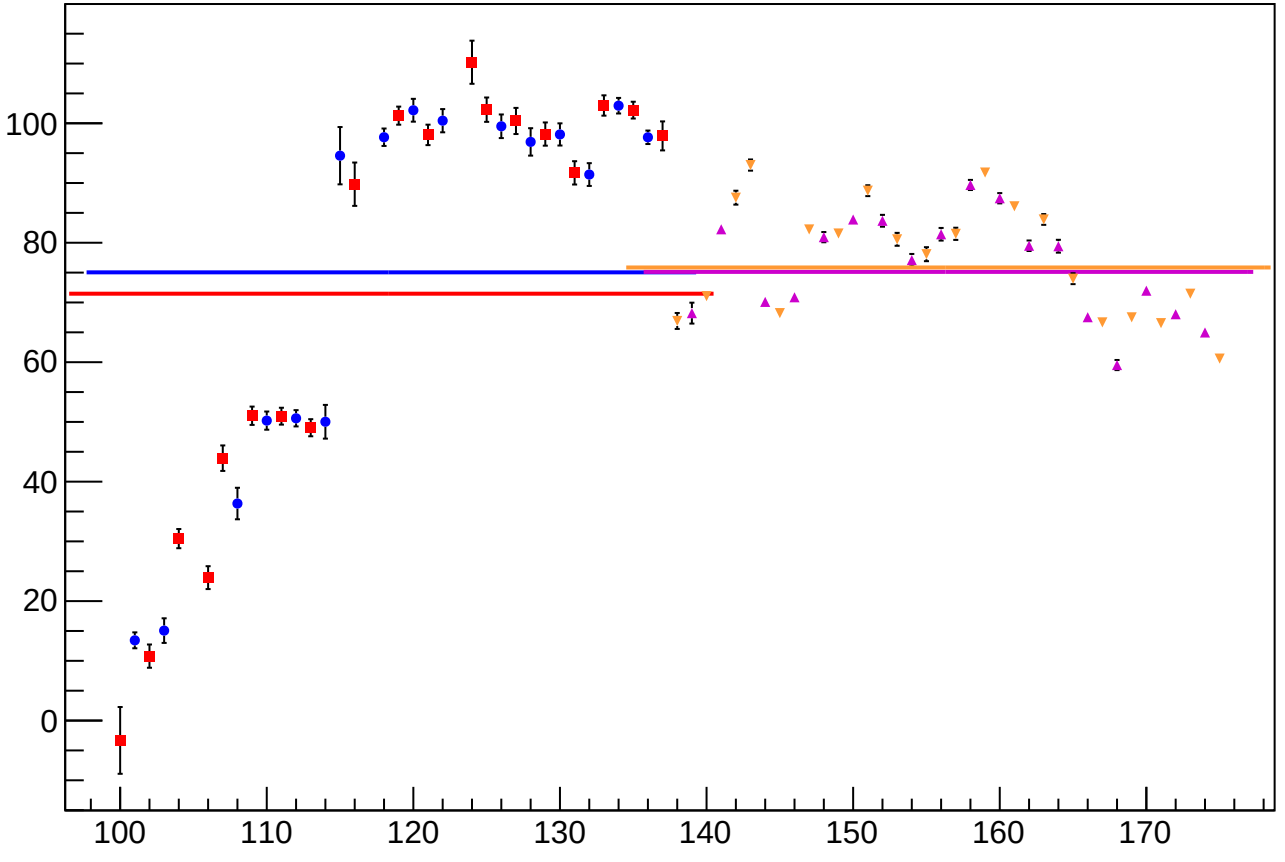
Left In: -38.693+/-0.234 χ^2/NDF:3174.7/17

+ sign -38.806+/-0.194 χ^2/NDF: 7958.5/35

All: -39.430+/-0.139 χ^2/NDF: 12946.1/72

- sign -40.083+/-0.199 χ^2/NDF: 4966.4/36

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 75.859+/-0.188 χ^2/NDF:2579.3/19

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

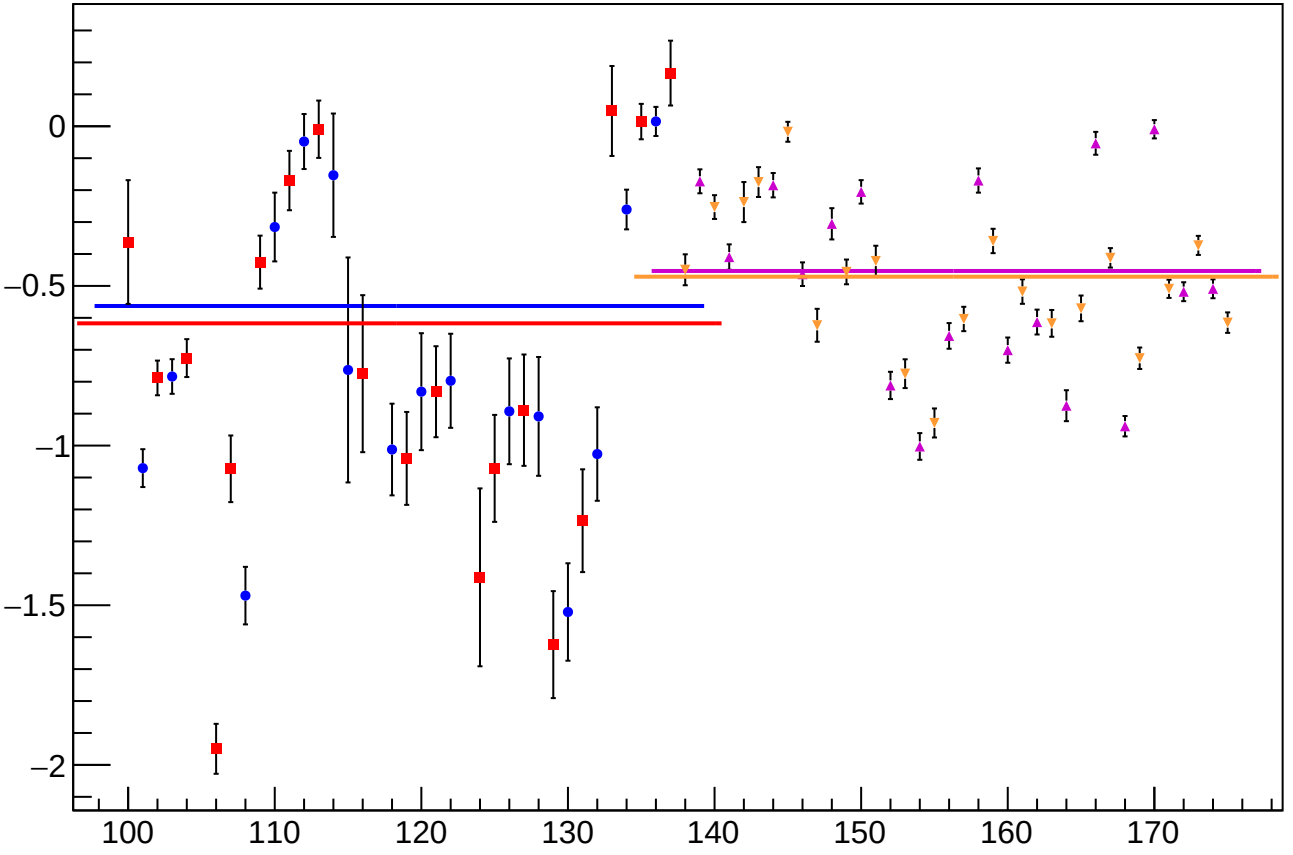
Left In: 75.120+/-0.196 χ^2/NDF:1766.8/17

+ sign 75.726+/-0.172 χ^2/NDF: 8410.6/35

All: 75.124+/-0.124 χ^2/NDF: 15891.6/72

- sign 74.481+/-0.178 χ^2/NDF: 7455.7/36

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.471+/-0.008 χ^2/NDF:591.8/19

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

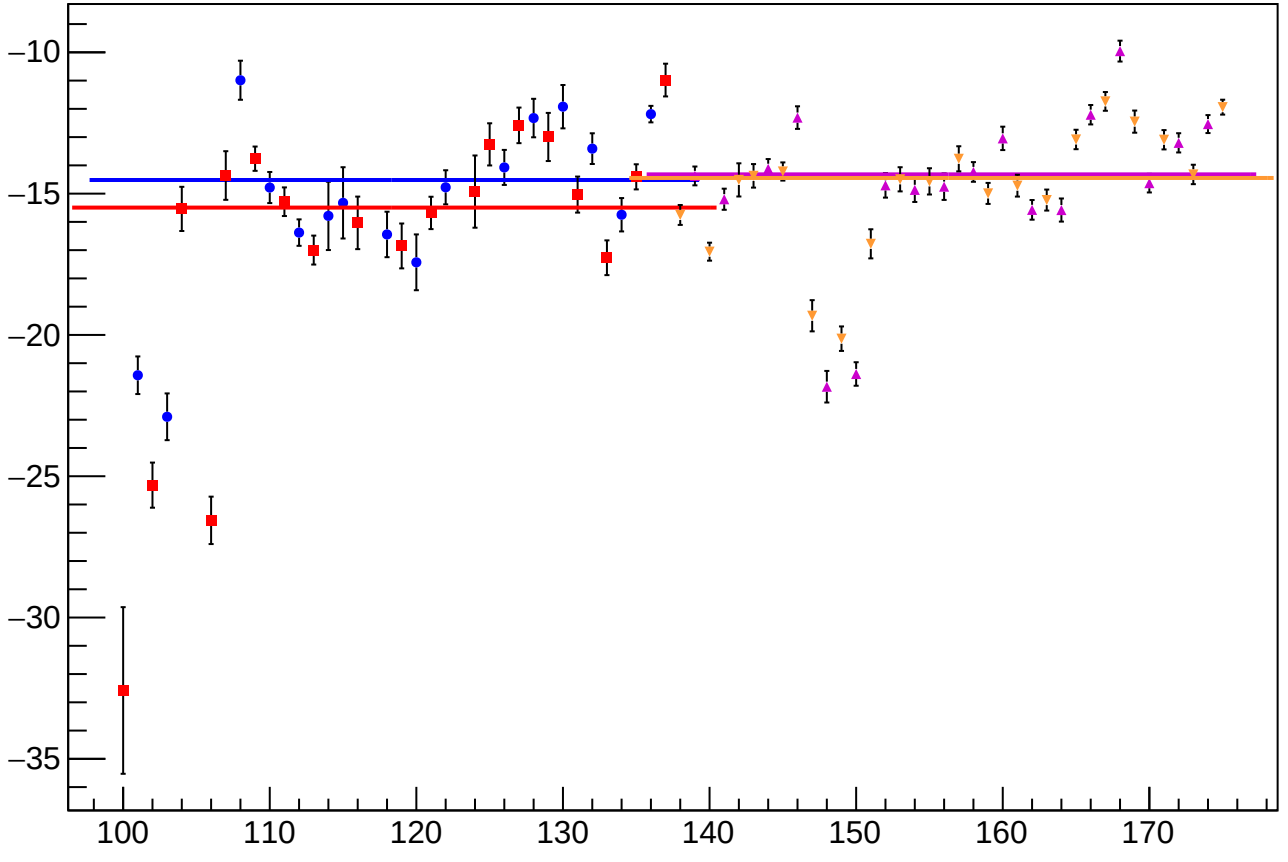
Left In: -0.453+/-0.009 χ^2/NDF:1222.9/17

+ sign -0.483+/-0.008 χ^2/NDF: 1099.7/35

All: -0.479+/-0.006 χ^2/NDF: 3060.5/72

- sign -0.475+/-0.008 χ^2/NDF: 1960.3/36

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -14.446+/-0.084 χ^2/NDF:576.2/19

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

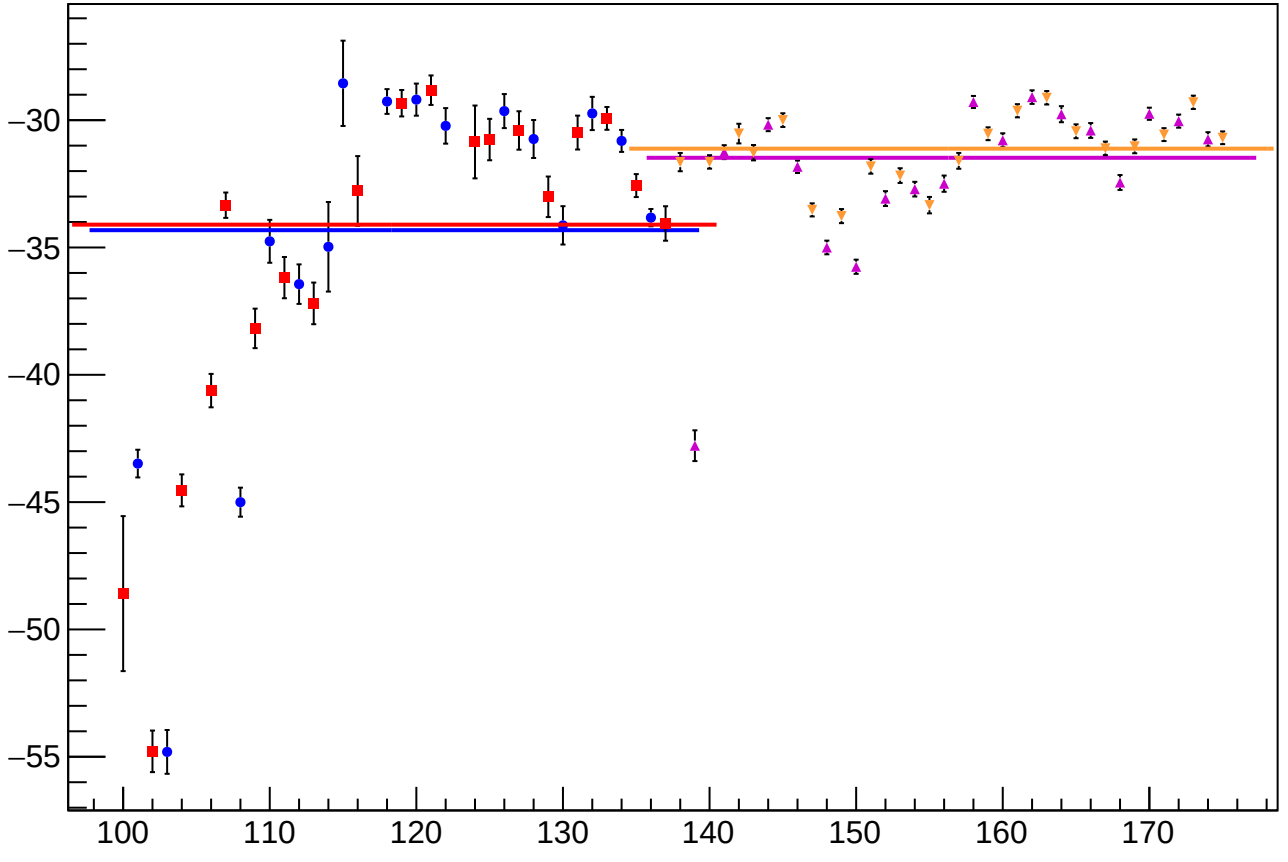
Left In: -14.318+/-0.089 χ^2/NDF:756.0/17

+ sign -14.463+/-0.073 χ^2/NDF: 939.7/35

All: -14.540+/-0.053 χ^2/NDF: 2247.4/72

- sign -14.623+/-0.076 χ^2/NDF: 1305.4/36

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: -31.119+/-0.062 χ^2/NDF:431.1/19

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

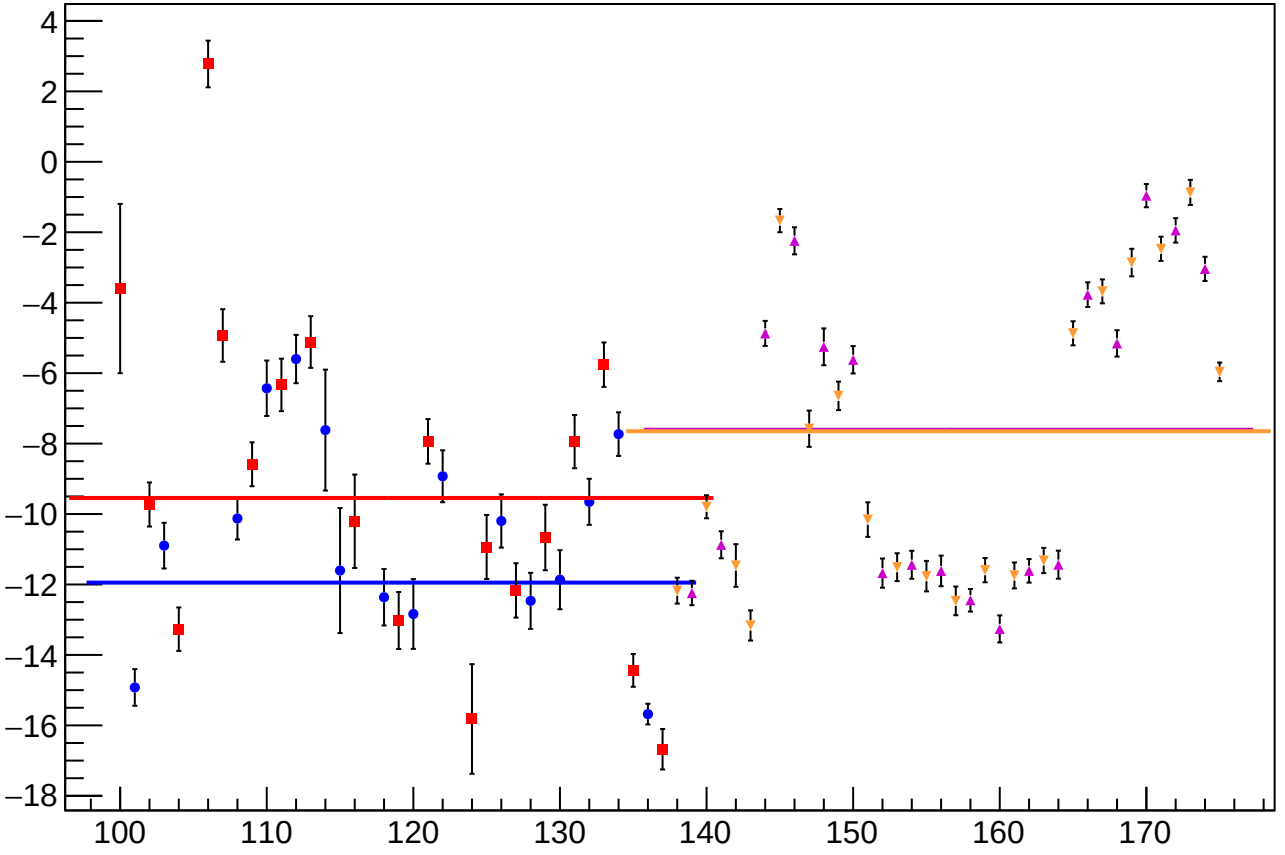
Left In: -31.478+/-0.066 χ^2/NDF:1158.6/17

+ sign -31.573+/-0.058 χ^2/NDF: 2426.2/35

All: -31.720+/-0.042 χ^2/NDF: 5278.8/72

- sign -31.881+/-0.060 χ^2/NDF: 2839.0/36

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -7.647+/-0.083 χ^2/NDF:2428.0/19

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

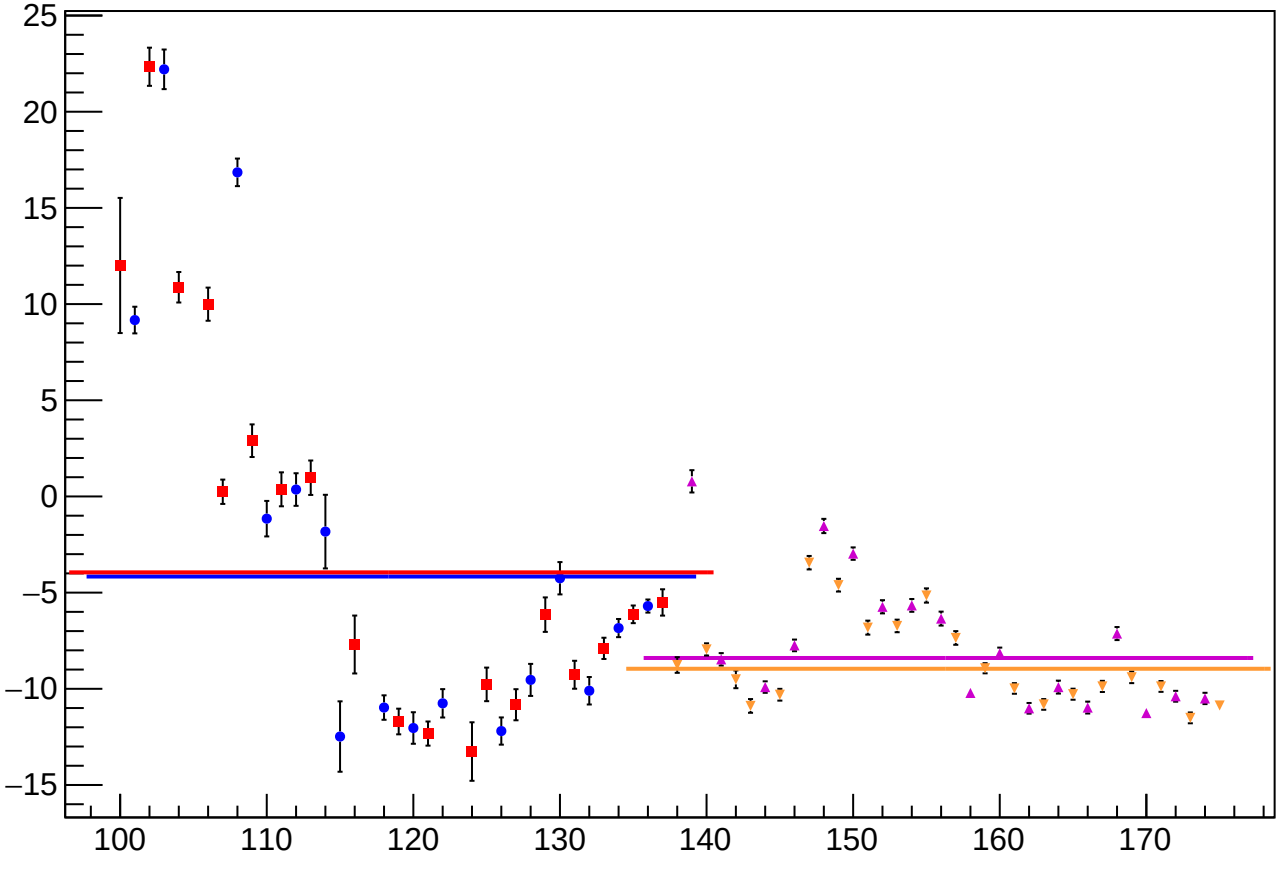
Left In: -7.607+/-0.088 χ^2/NDF:2519.1/17

+ sign -8.563+/-0.074 χ^2/NDF: 3425.2/35

All: -8.309+/-0.053 χ^2/NDF: 6923.5/72

- sign -8.031+/-0.077 χ^2/NDF: 3473.6/36

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -8.958+/-0.070 χ^2/NDF:922.6/19

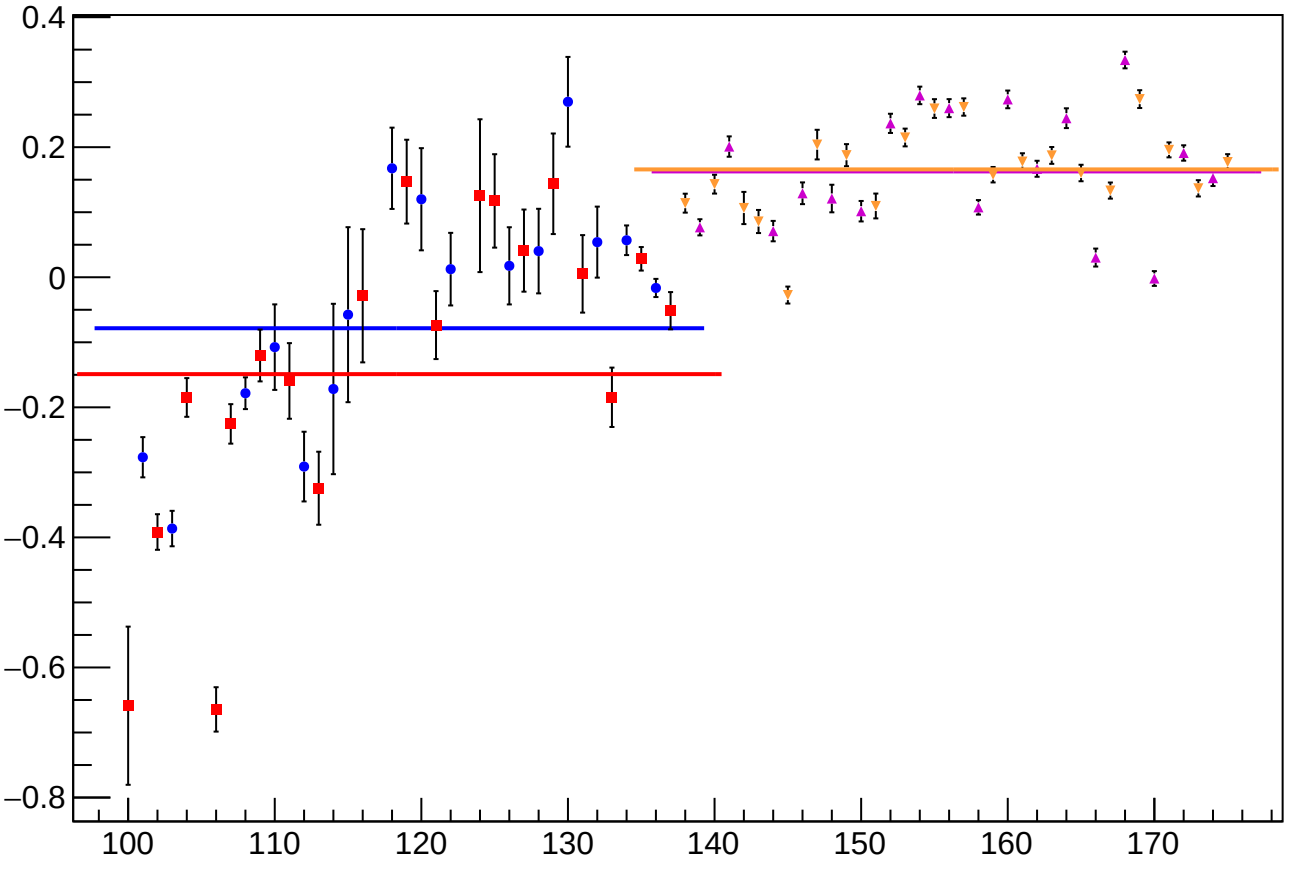
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.398+/-0.074 χ^2/NDF:1535.1/17

+ sign -8.274+/-0.065 χ^2/NDF: 4114.4/35

All: -8.016+/-0.047 χ^2/NDF: 8336.7/72

- sign -7.733+/-0.068 χ^2/NDF: 4189.2/36



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.166+/-0.003 χ^2/NDF:467.1/19

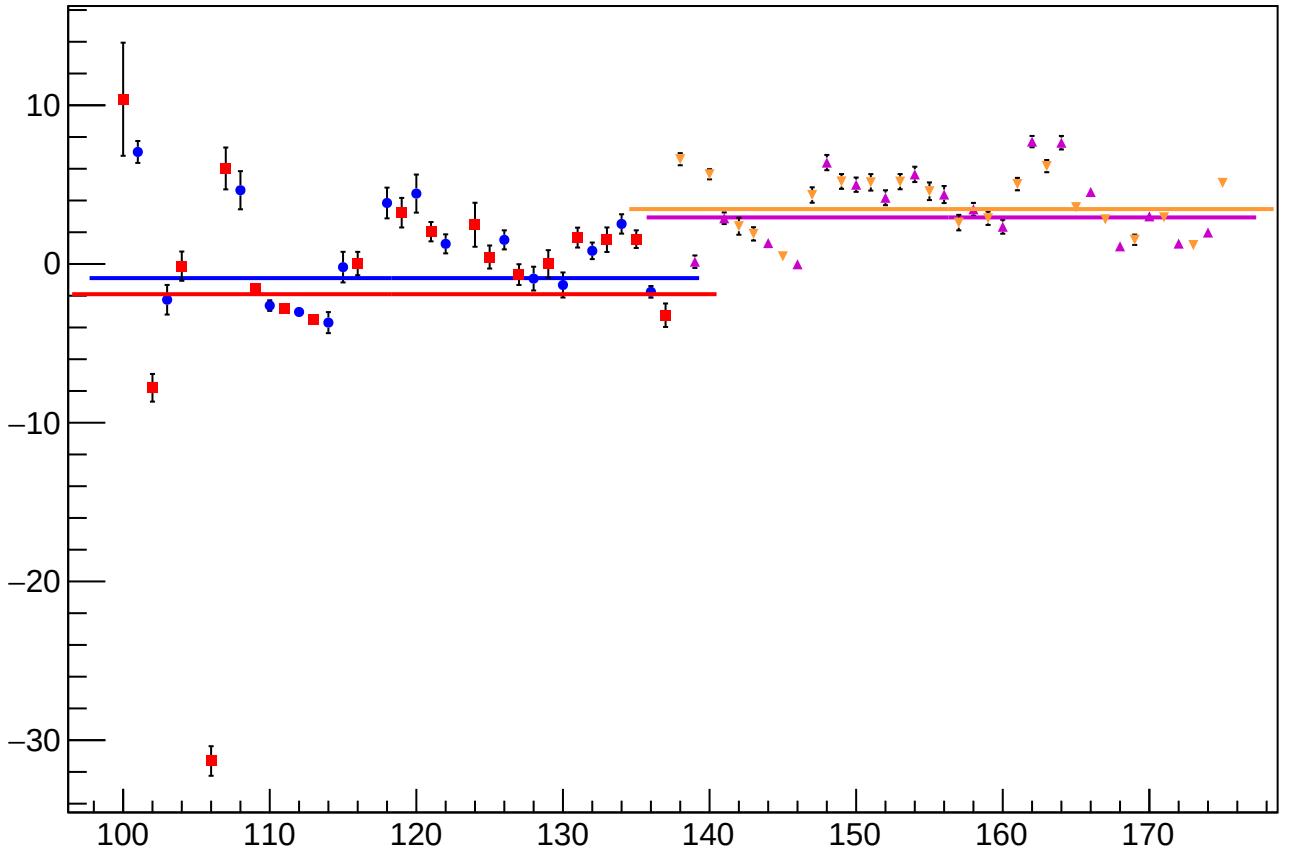
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.163+/-0.003 χ^2/NDF:867.2/17

+ sign 0.137+/-0.003 χ^2/NDF: 1502.3/35

All: 0.133+/-0.002 χ^2/NDF: 3947.6/72

- sign 0.128+/-0.003 χ^2/NDF: 2440.8/36



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.459+/-0.078 χ^2/NDF:558.7/19

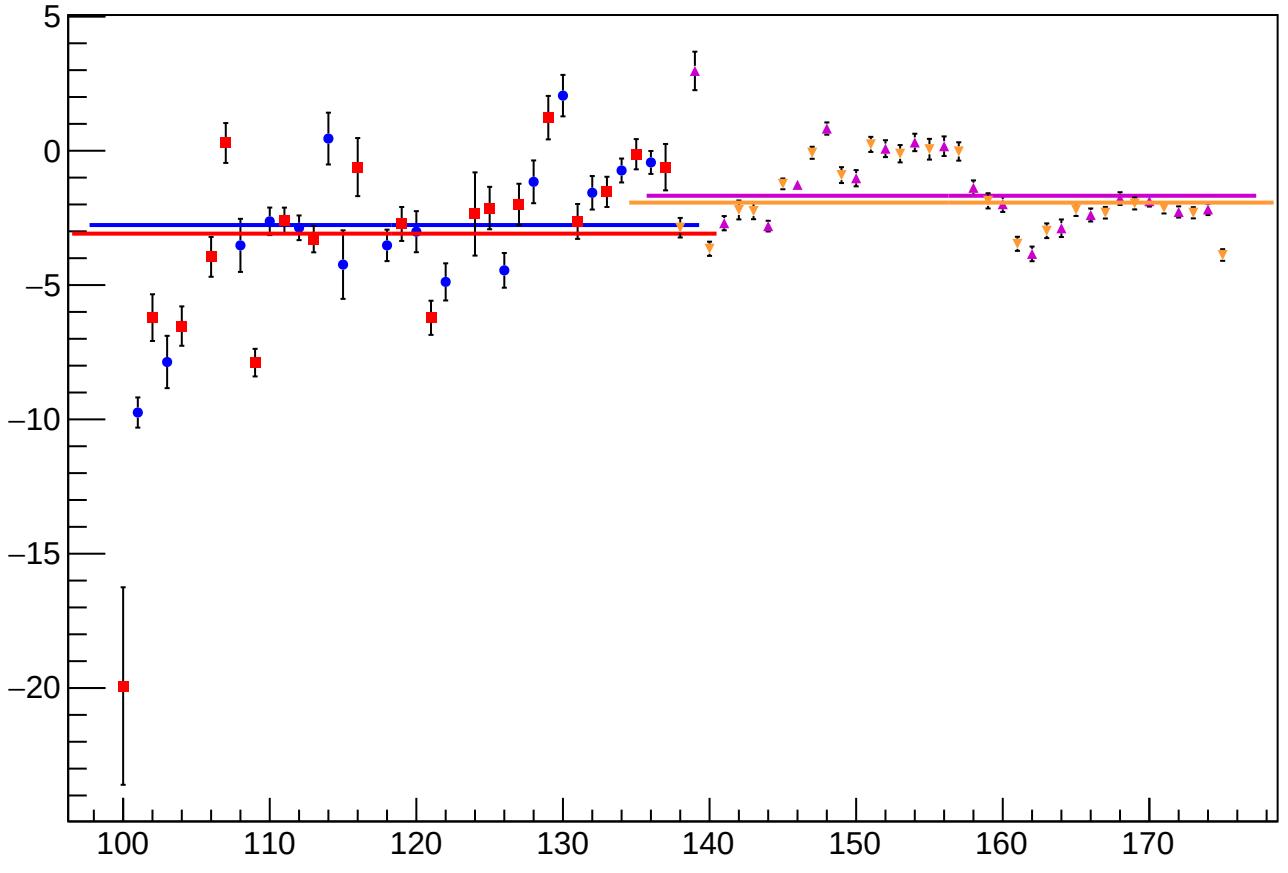
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 2.934+/-0.081 χ^2/NDF:721.7/17

+ sign 2.386+/-0.068 χ^2/NDF: 1702.4/35

All: 1.972+/-0.048 χ^2/NDF: 4844.0/72

- sign 1.546+/-0.069 χ^2/NDF: 3065.9/36



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.931+/-0.058 χ^2/NDF:429.8/19

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

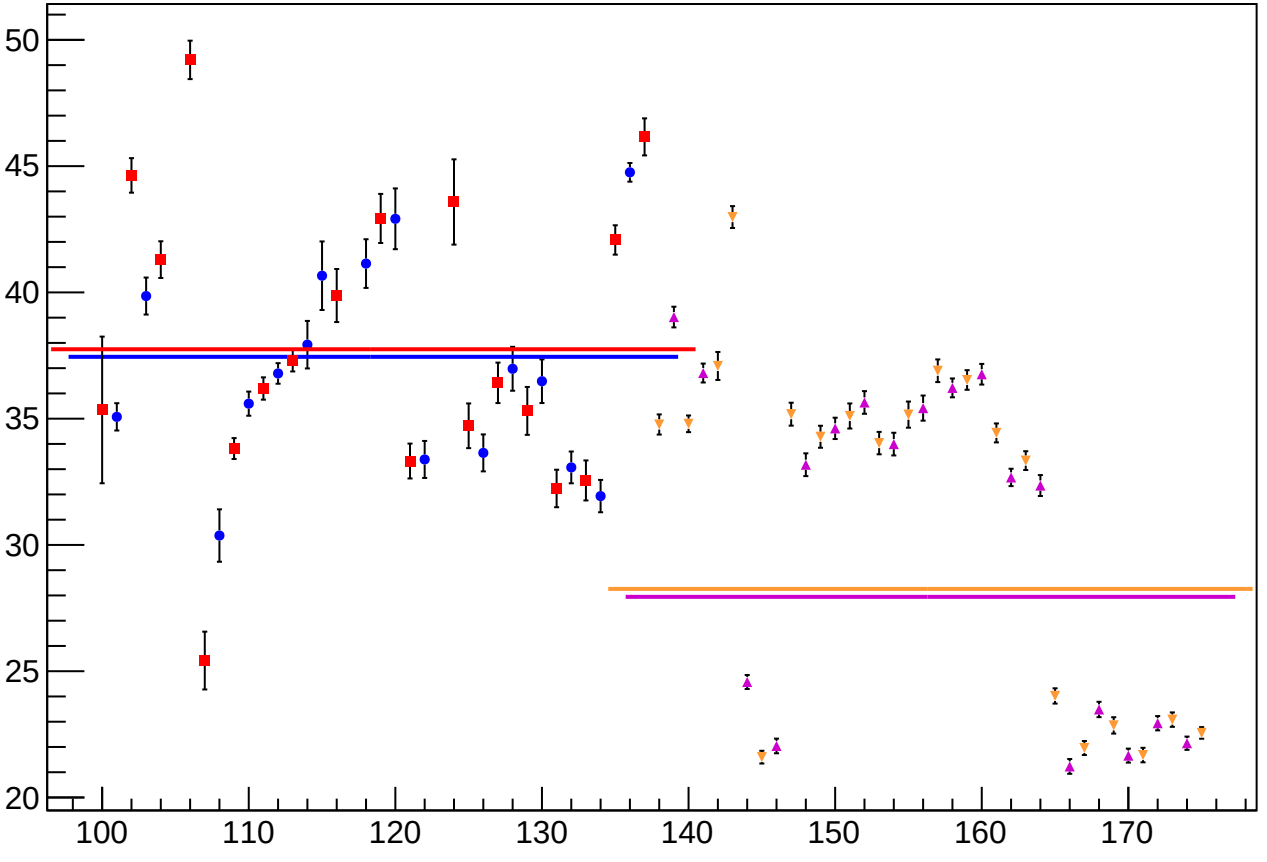
Left In: -1.676+/-0.059 χ^2/NDF:416.3/17

+ sign -2.031+/-0.054 χ^2/NDF: 765.0/35

All: -1.943+/-0.039 χ^2/NDF: 1529.3/72

- sign -1.851+/-0.056 χ^2/NDF: 758.9/36

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 28.258+/-0.078 χ^2/NDF:7459.9/19

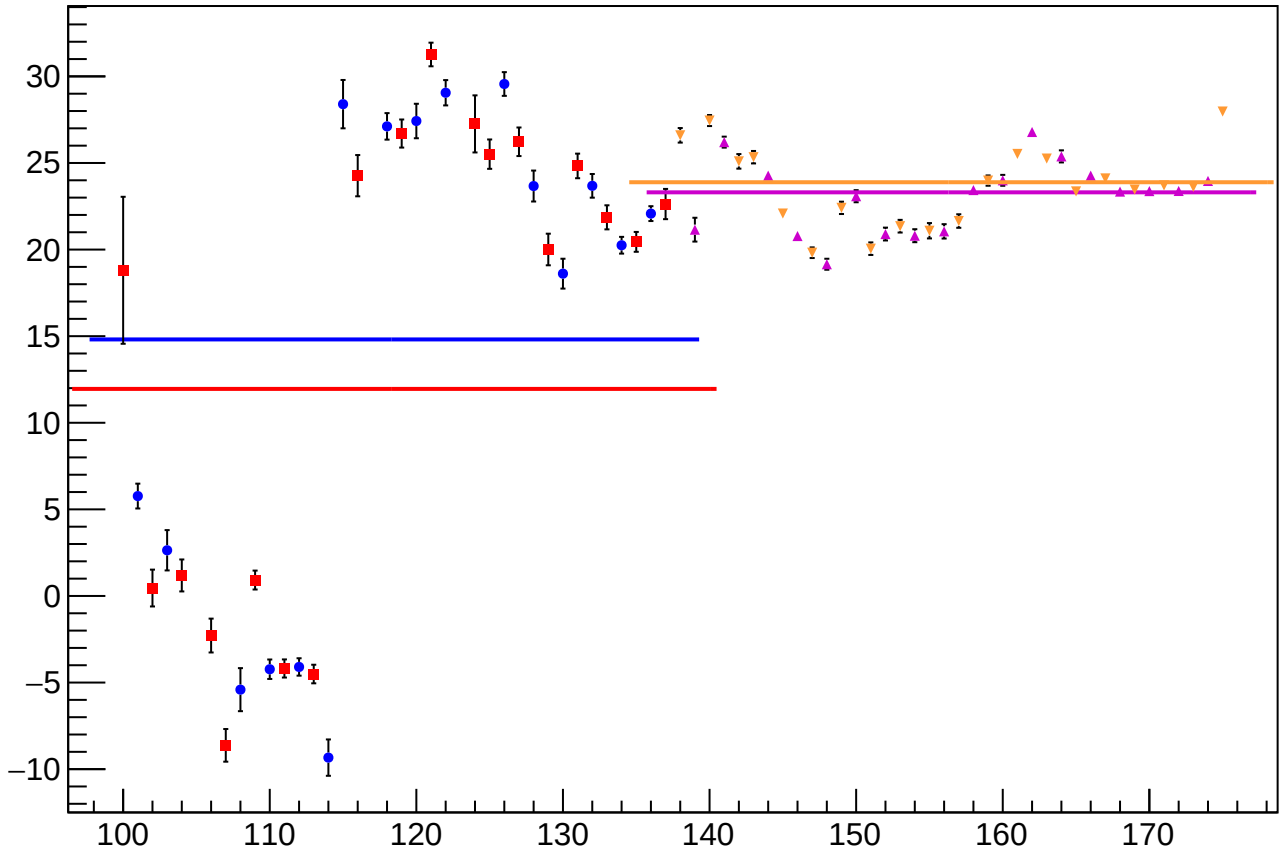
Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 27.945+/-0.081 χ^2/NDF:6250.7/17

+ sign 30.003+/-0.070 χ^2/NDF: 10816.0/35

All: 29.981+/-0.050 χ^2/NDF: 21036.3/72

- sign 29.958+/-0.072 χ^2/NDF: 10220.1/36



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.888+/-0.065 χ^2/NDF:1068.9/19

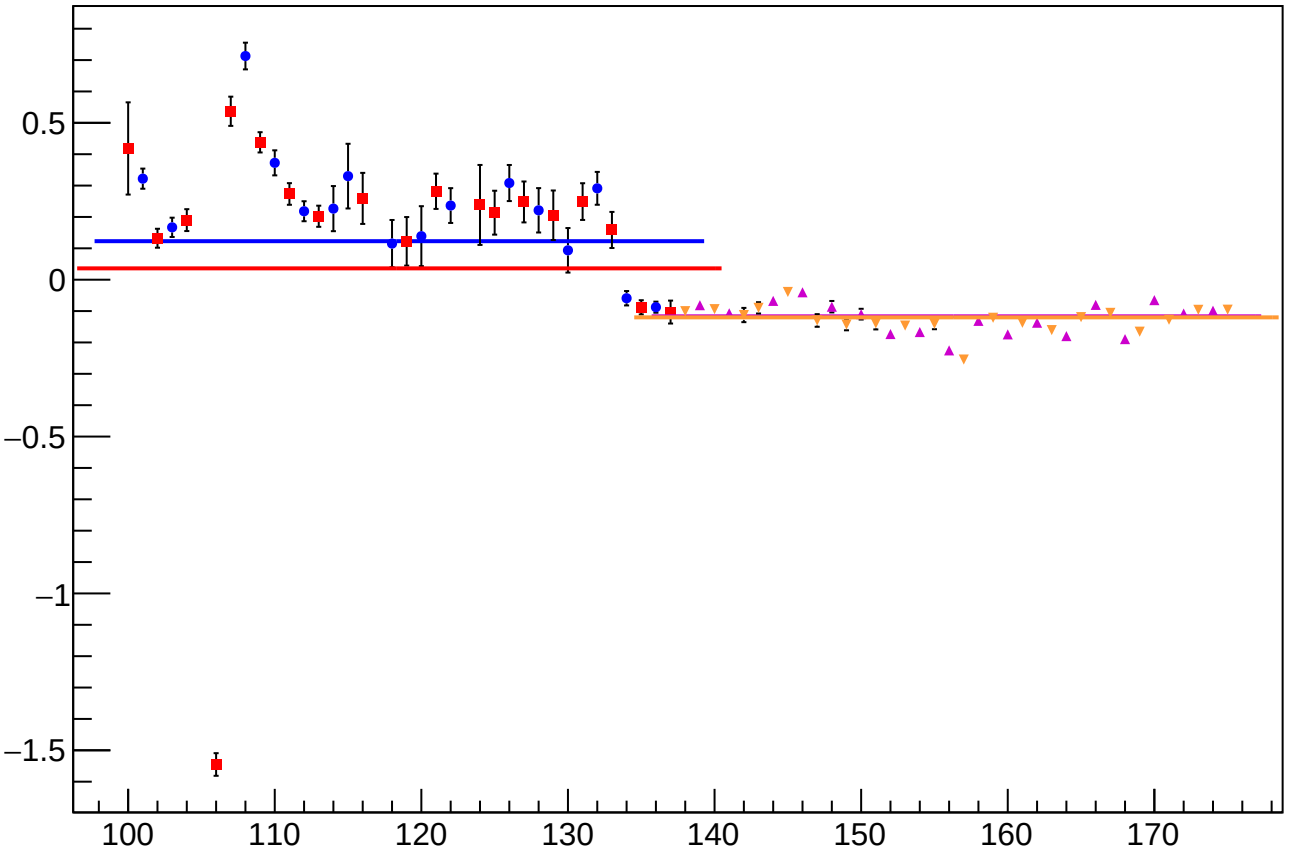
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.305+/-0.067 χ^2/NDF:741.3/17

+ sign 22.774+/-0.061 χ^2/NDF: 9145.6/35

All: 22.335+/-0.044 χ^2/NDF: 19697.7/72

- sign 21.867+/-0.063 χ^2/NDF: 10444.7/36



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.120+/-0.003 χ^2/NDF:204.9/19

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

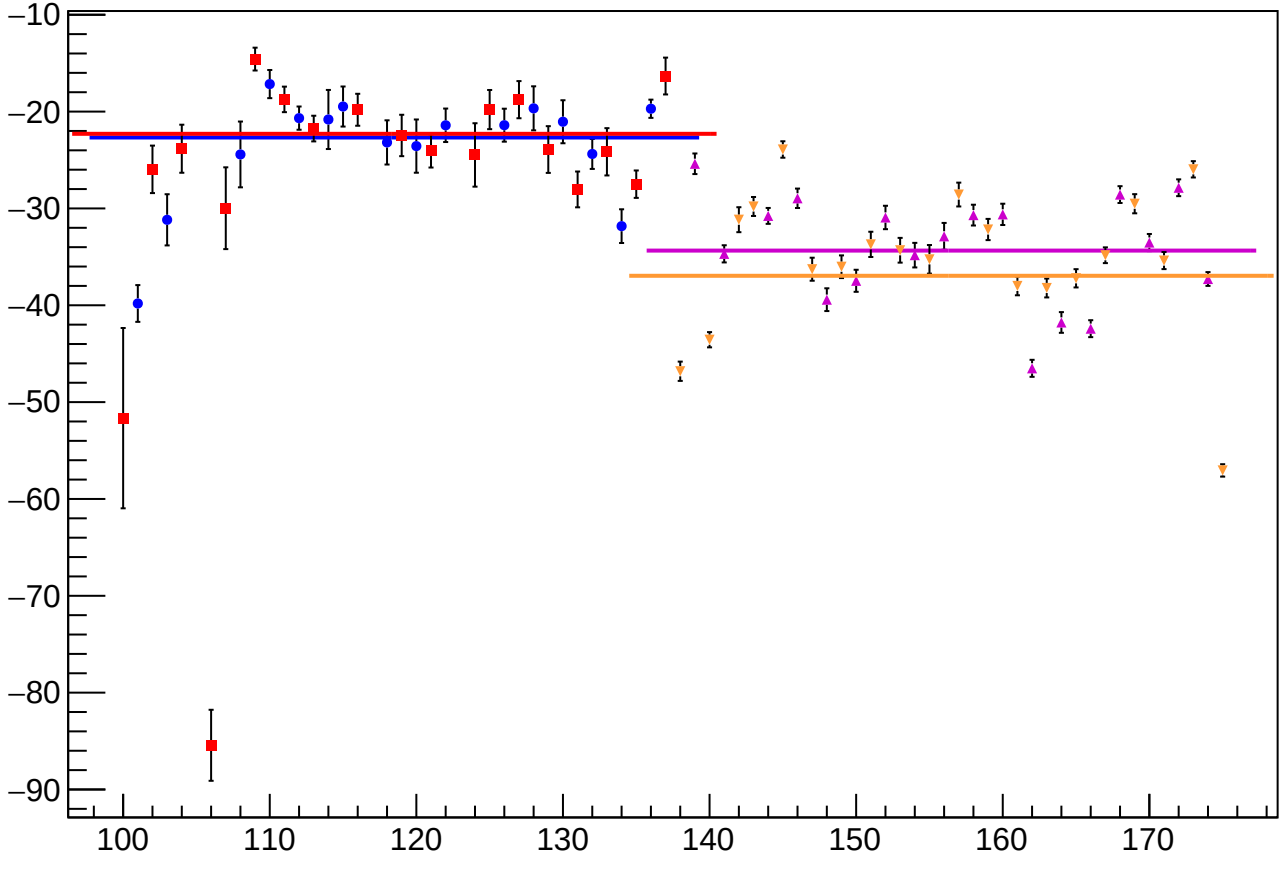
Left In: -0.117+/-0.003 χ^2/NDF:260.4/17

+ sign -0.099+/-0.003 χ^2/NDF: 1331.8/35

All: -0.101+/-0.002 χ^2/NDF: 4231.8/72

- sign -0.104+/-0.003 χ^2/NDF: 2898.4/36

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -36.955+/-0.217 χ^2/NDF:1780.2/19

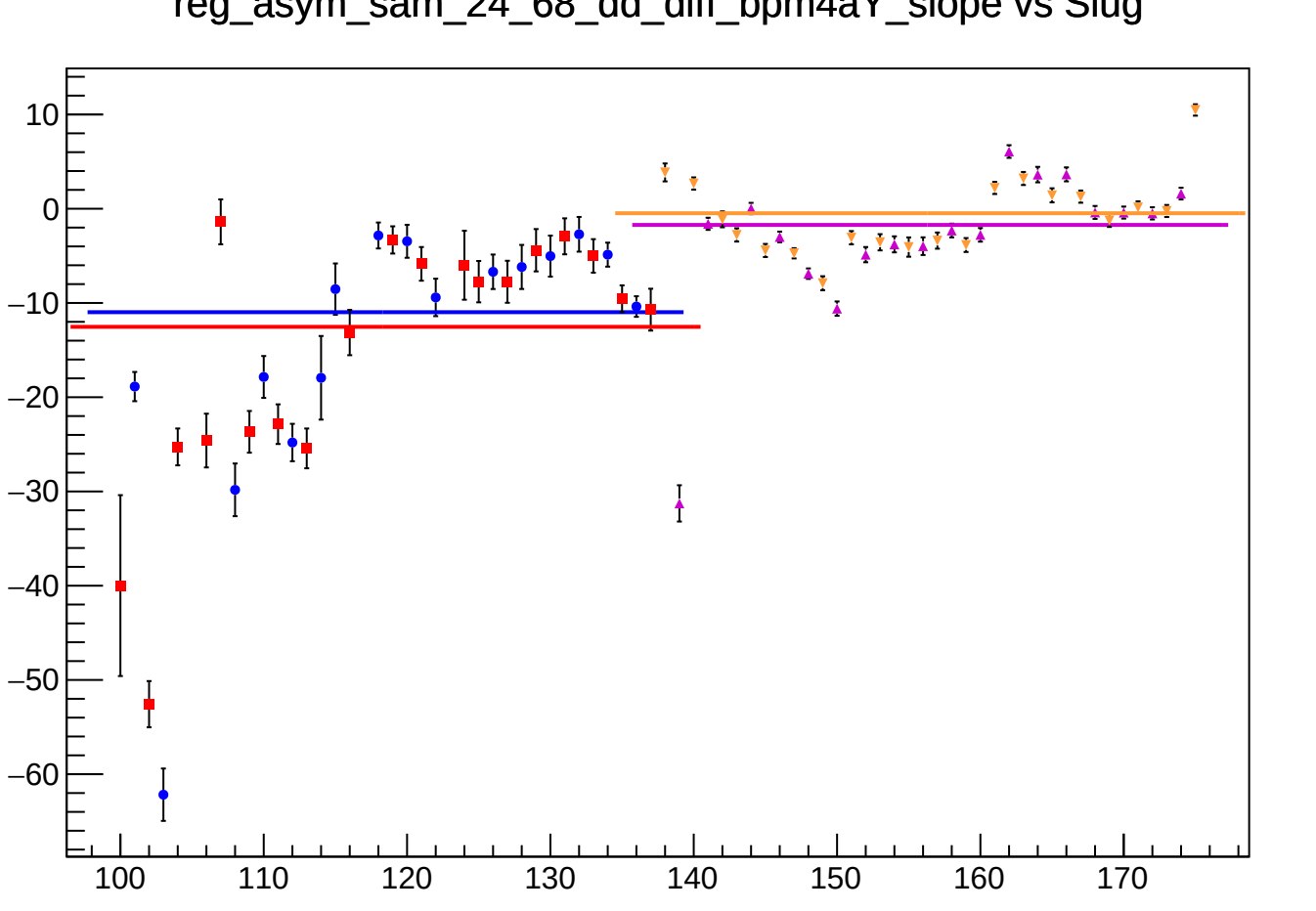
Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -34.353+/-0.229 χ^2/NDF:620.9/17

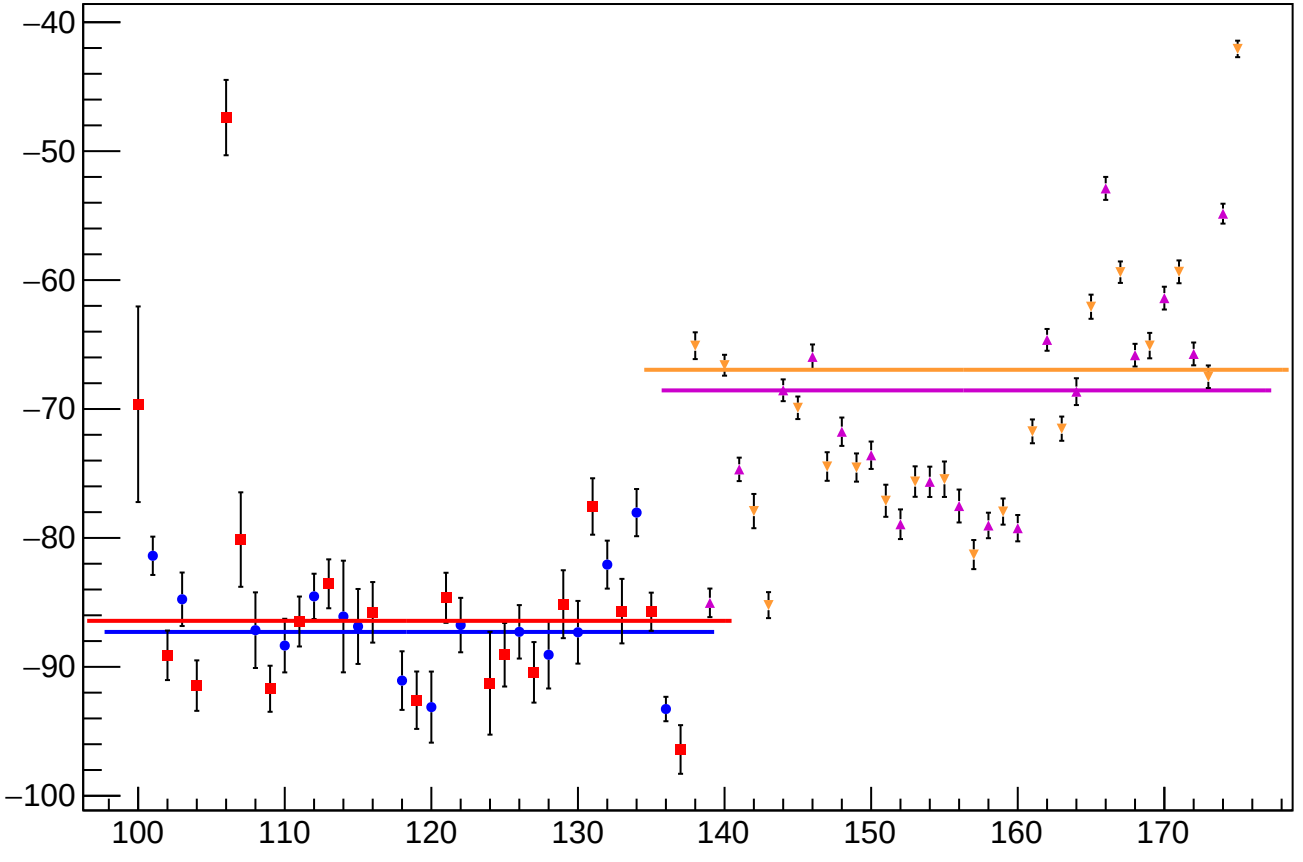
+ sign -34.096+/-0.194 χ^2/NDF: 2798.4/35

All: -32.965+/-0.140 χ^2/NDF: 4496.5/72

- sign -31.735+/-0.203 χ^2/NDF: 1627.4/36


reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug
10
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
170
Right In: -10.978+/-0.453 χ²/NDF: 587.3/15
Left Out: -0.480+/-0.158 χ²/NDF:708.9/19
Right Out: -12.533+/-0.481 χ²/NDF: 572.3/18
Left In: -1.720+/-0.166 χ²/NDF:770.4/17
+ sign -1.621+/-0.149 χ²/NDF: 1774.1/35
All: -2.215+/-0.108 χ²/NDF: 3601.6/72
- sign -2.867+/-0.157 χ²/NDF: 1794.3/36

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -66.957+/-0.215 χ^2/NDF:2692.0/19

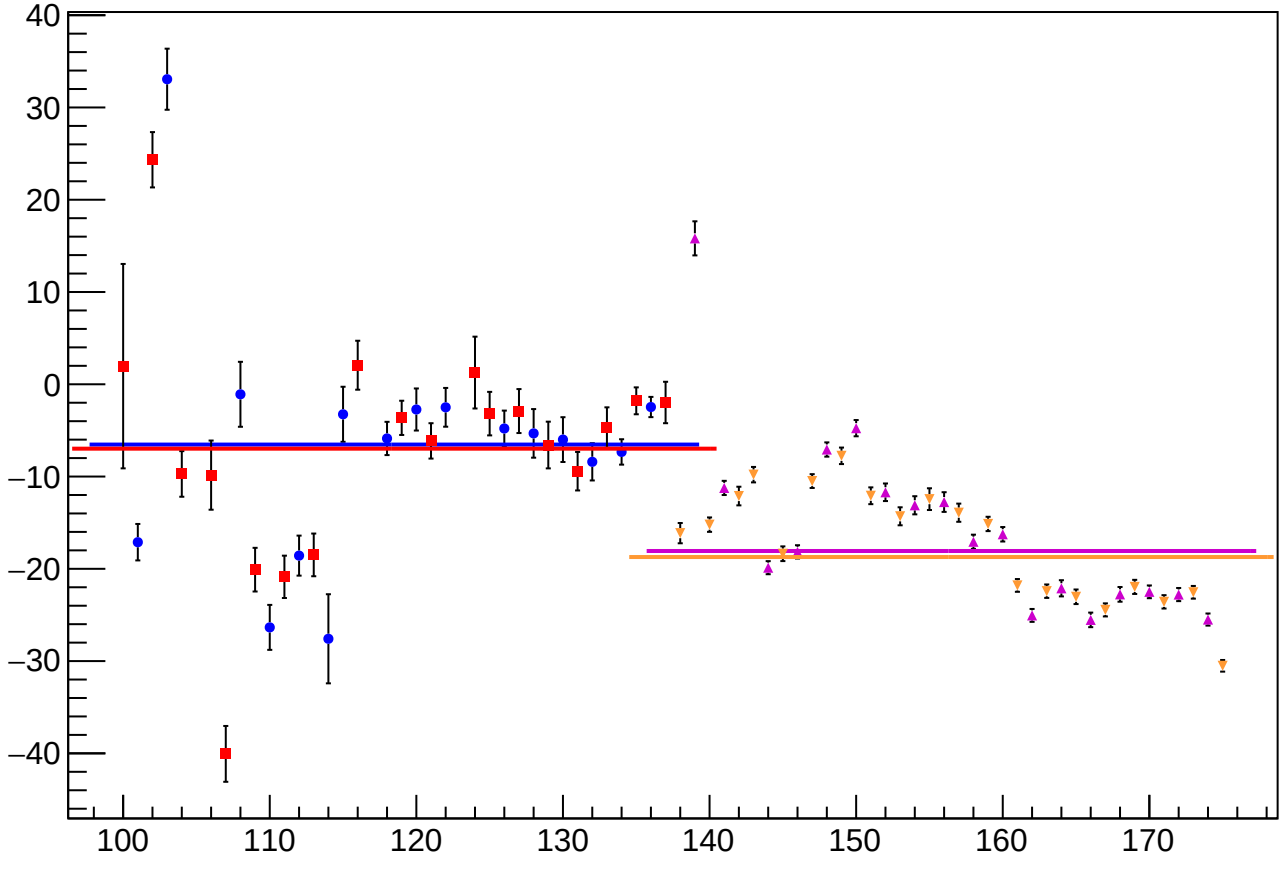
Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -68.556+/-0.227 χ^2/NDF:1426.3/17

+ sign -70.360+/-0.197 χ^2/NDF: 4283.7/35

All: -70.925+/-0.143 χ^2/NDF: 7031.3/72

- sign -71.552+/-0.207 χ^2/NDF: 2730.2/36



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -18.724+/-0.180 χ^2/NDF:1183.3/19

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

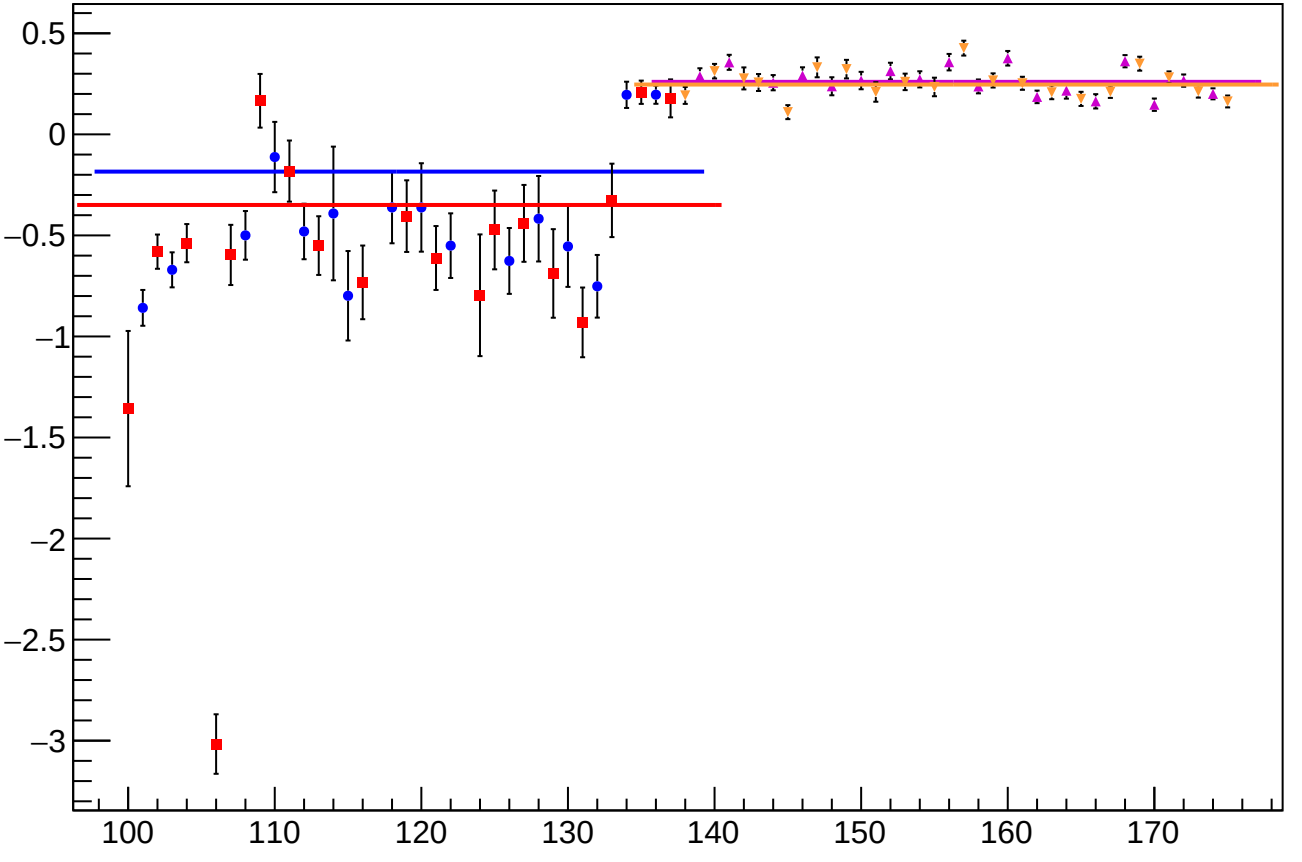
Left In: -18.068+/-0.189 χ^2/NDF:1412.8/17

+ sign -17.366+/-0.169 χ^2/NDF: 2009.1/35

All: -17.130+/-0.123 χ^2/NDF: 4168.0/72

- sign -16.869+/-0.178 χ^2/NDF: 2154.9/36

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.246+/-0.008 χ^2/NDF:78.0/19

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

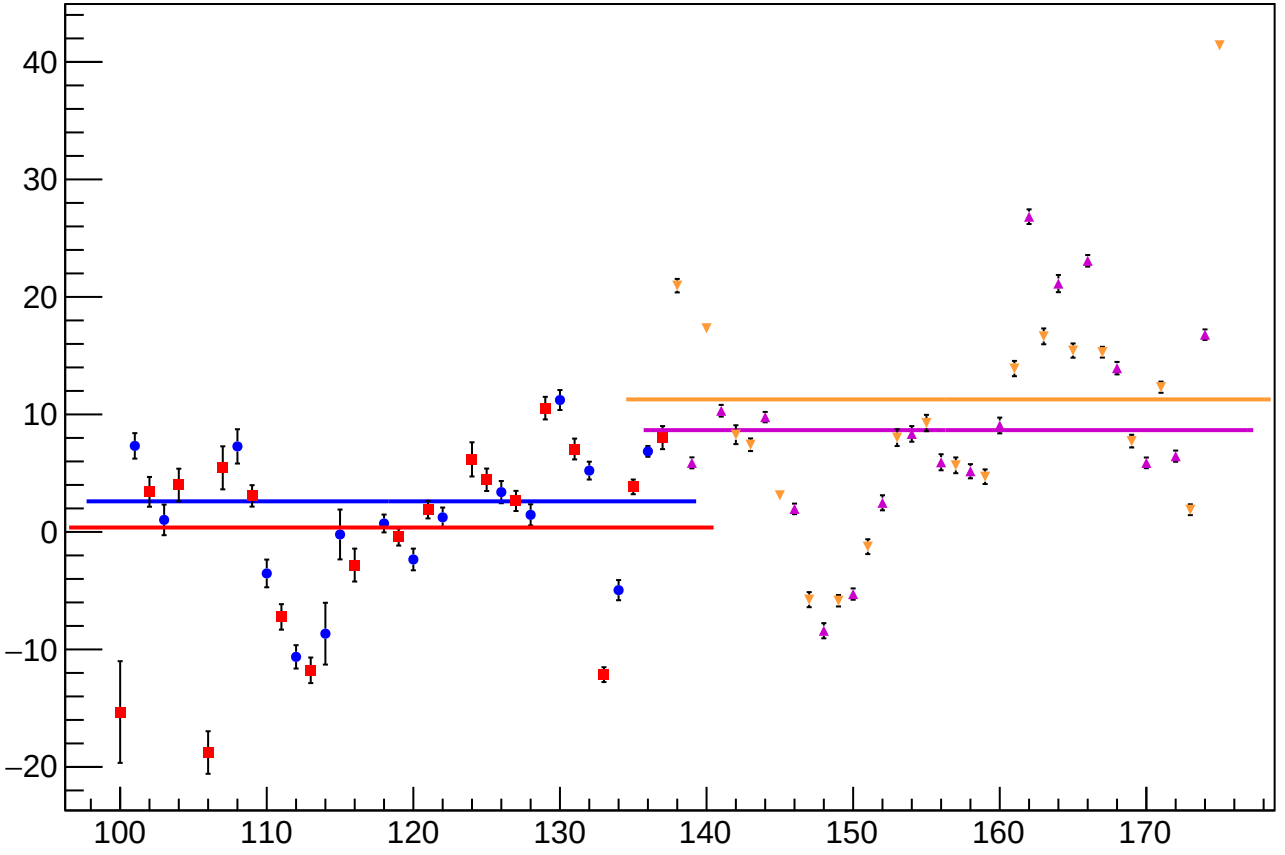
Left In: 0.260+/-0.008 χ^2/NDF:70.4/17

+ sign 0.210+/-0.008 χ^2/NDF: 562.1/35

All: 0.211+/-0.006 χ^2/NDF: 1548.0/72

- sign 0.214+/-0.008 χ^2/NDF: 985.8/36

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 11.279+/-0.120 χ^2/NDF:9986.5/19

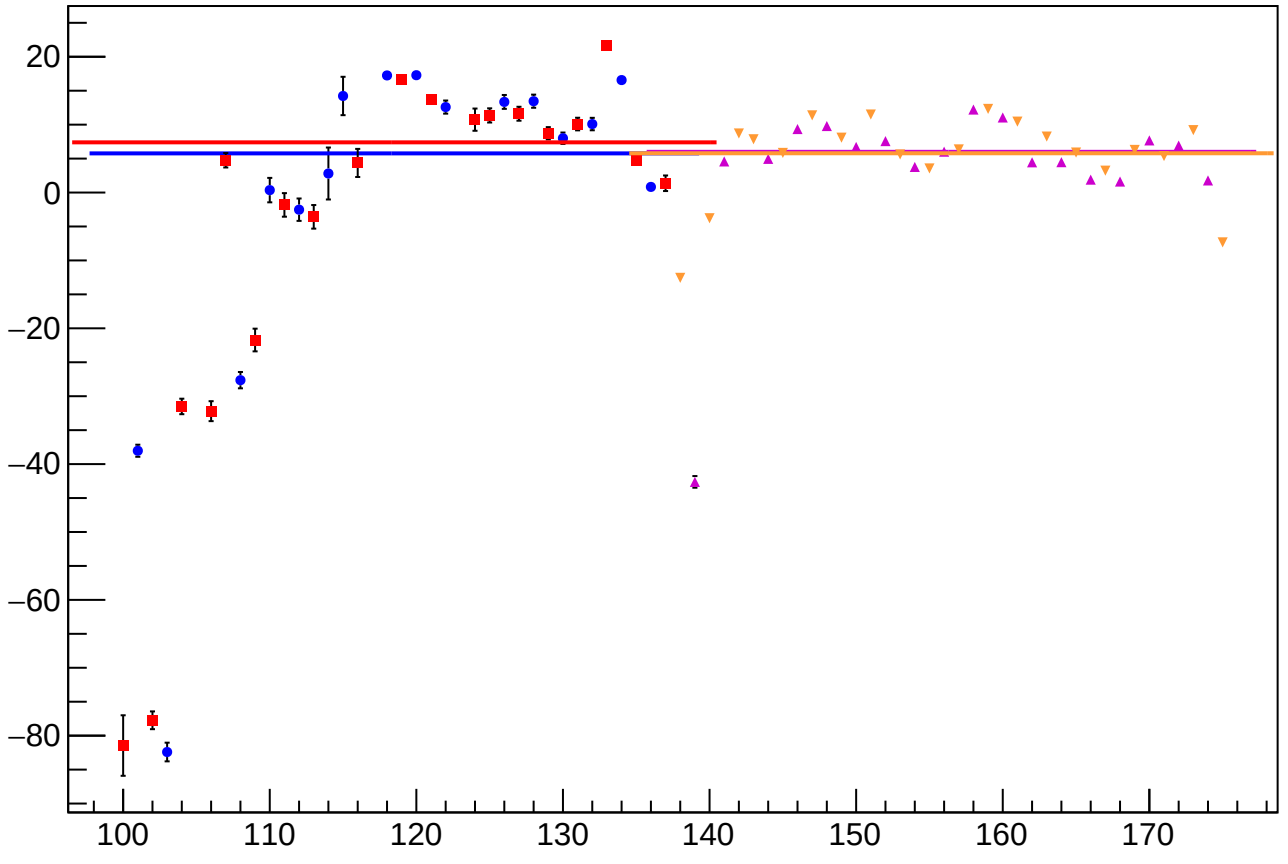
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 8.663+/-0.125 χ^2/NDF:4441.2/17

+ sign 9.341+/-0.106 χ^2/NDF: 11723.4/35

All: 8.043+/-0.076 χ^2/NDF: 18560.1/72

- sign 6.663+/-0.109 χ^2/NDF: 6526.6/36



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 5.785+/-0.087 χ^2/NDF:4279.6/19

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

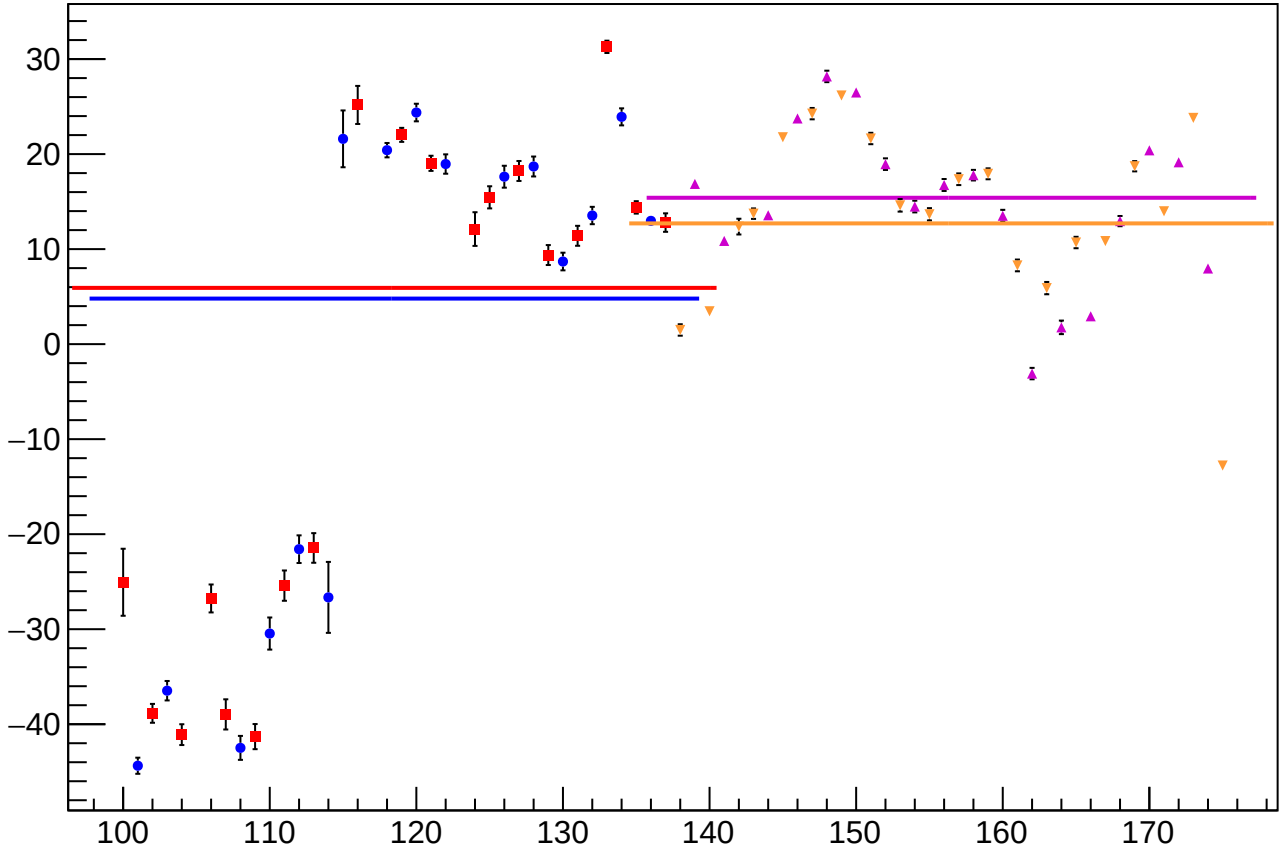
Left In: 5.996+/-0.091 χ^2/NDF:4301.7/17

\+ sign 5.782+/-0.081 χ^2/NDF: 13213.4/35

All: 5.994+/-0.058 χ^2/NDF: 25957.4/72

\- sign 6.221+/-0.084 χ^2/NDF: 12729.8/36

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 12.706+/-0.119 χ^2/NDF:7957.1/19

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

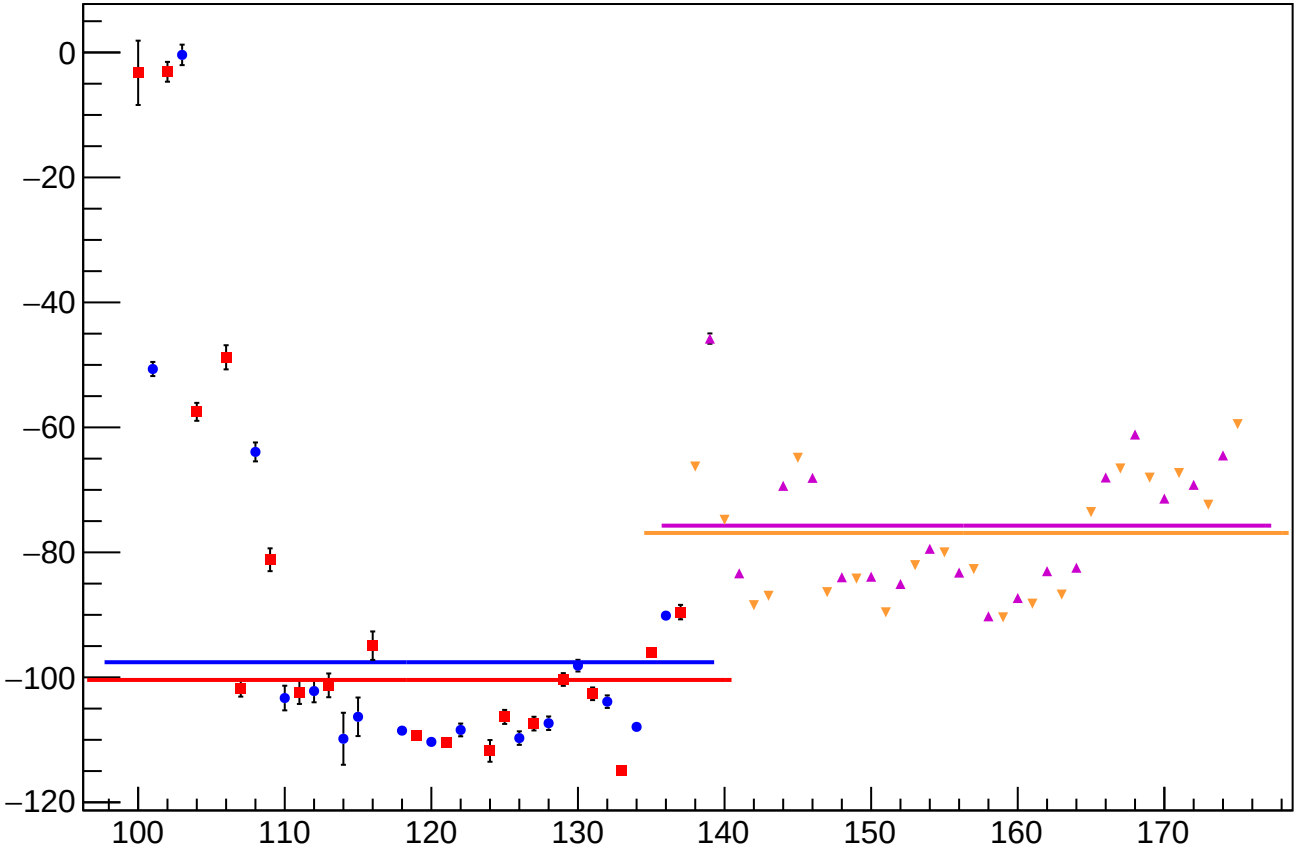
Left In: 15.404+/-0.124 χ^2/NDF:3968.8/17

+ sign 11.119+/-0.106 χ^2/NDF: 18341.9/35

All: 12.222+/-0.076 χ^2/NDF: 33826.7/72

- sign 13.406+/-0.110 χ^2/NDF: 15261.7/36

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -76.895+/-0.100 χ^2/NDF:9852.4/19

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

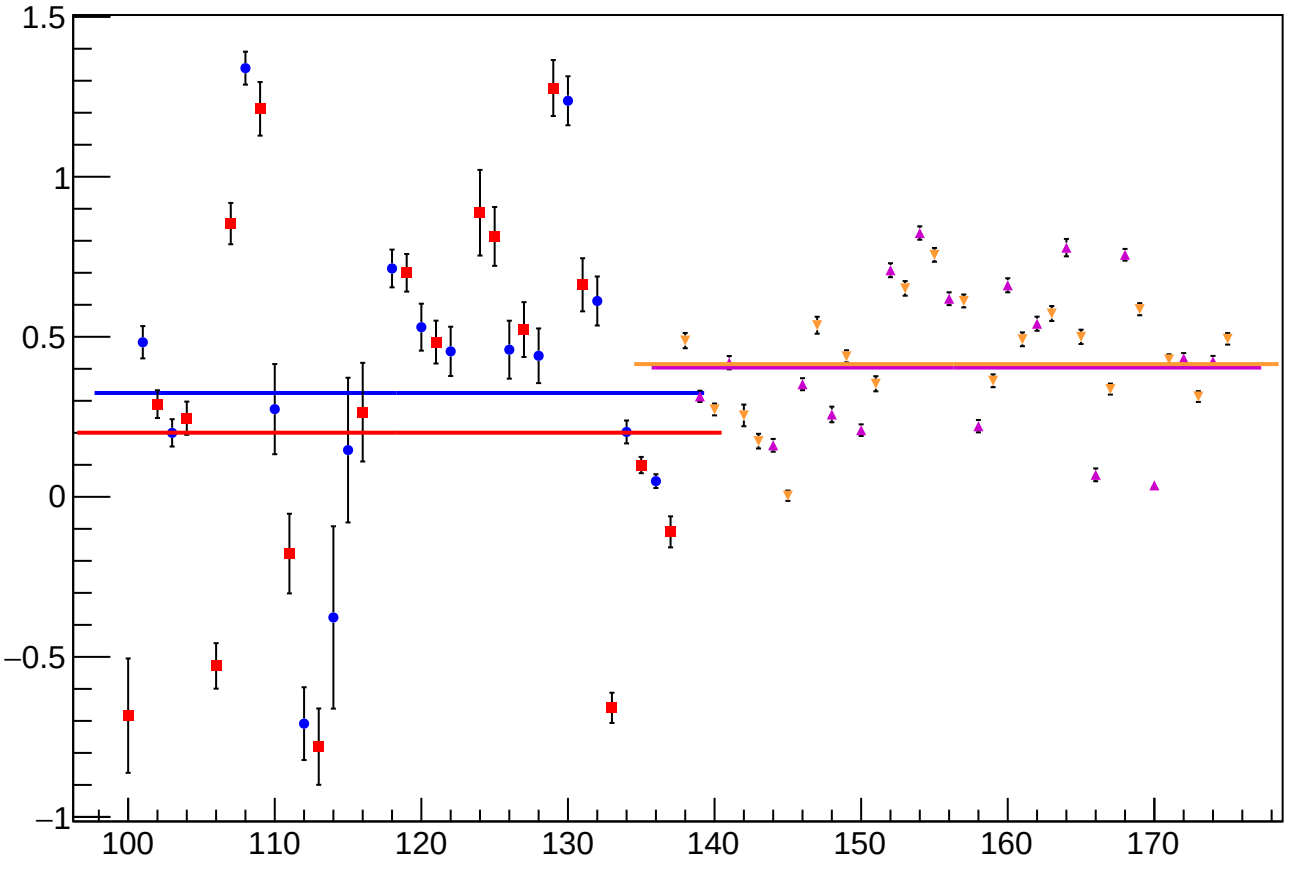
Left In: -75.724+/-0.104 χ^2/NDF:8253.7/17

+ sign -79.916+/-0.092 χ^2/NDF: 23252.3/35

All: -79.773+/-0.066 χ^2/NDF: 47471.0/72

- sign -79.620+/-0.096 χ^2/NDF: 24213.7/36

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.415+/-0.005 χ^2/NDF:1568.7/19

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

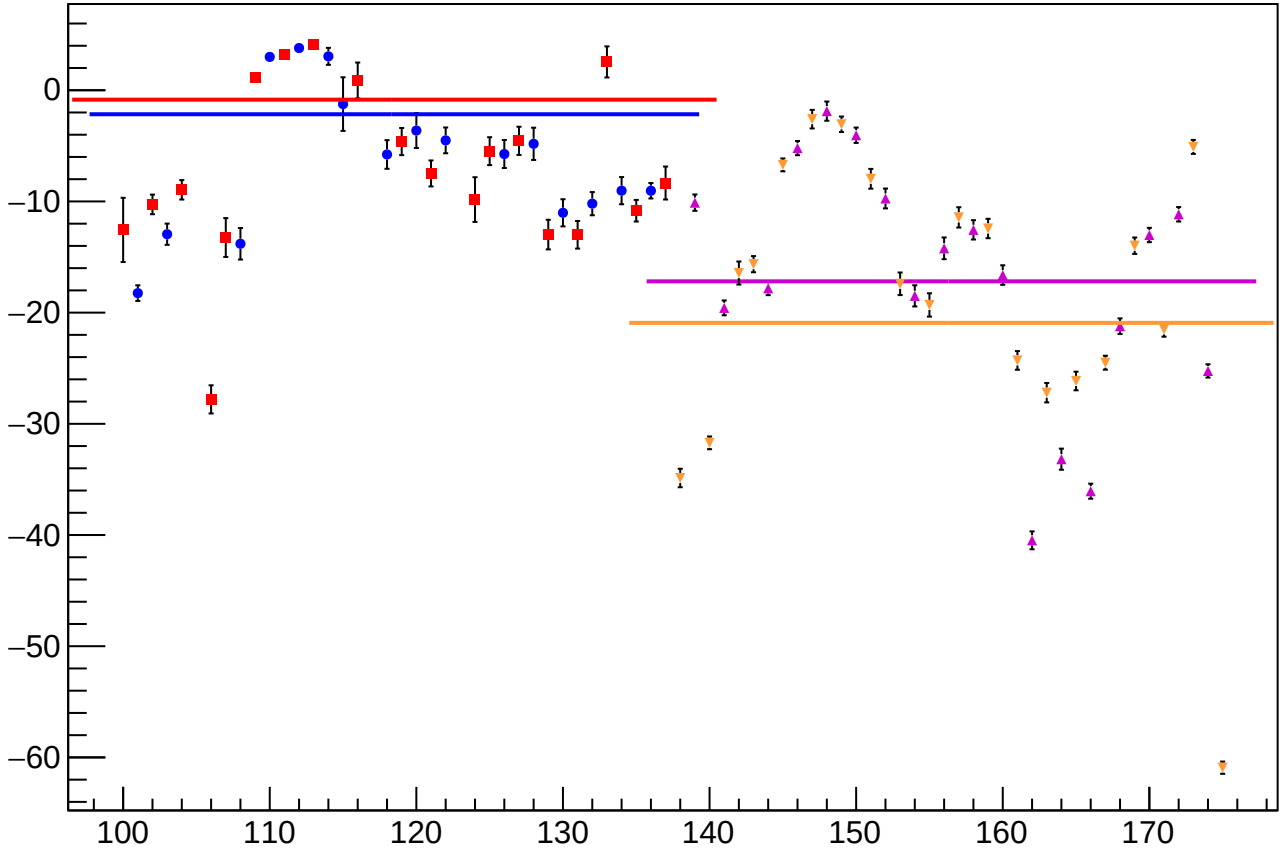
Left In: 0.404+/-0.005 χ^2/NDF:2698.4/17

+ sign 0.405+/-0.004 χ^2/NDF: 2496.5/35

All: 0.395+/-0.003 χ^2/NDF: 6608.3/72

- sign 0.384+/-0.004 χ^2/NDF: 4099.2/36

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -20.919+/-0.166 χ^2/NDF:9017.2/19

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

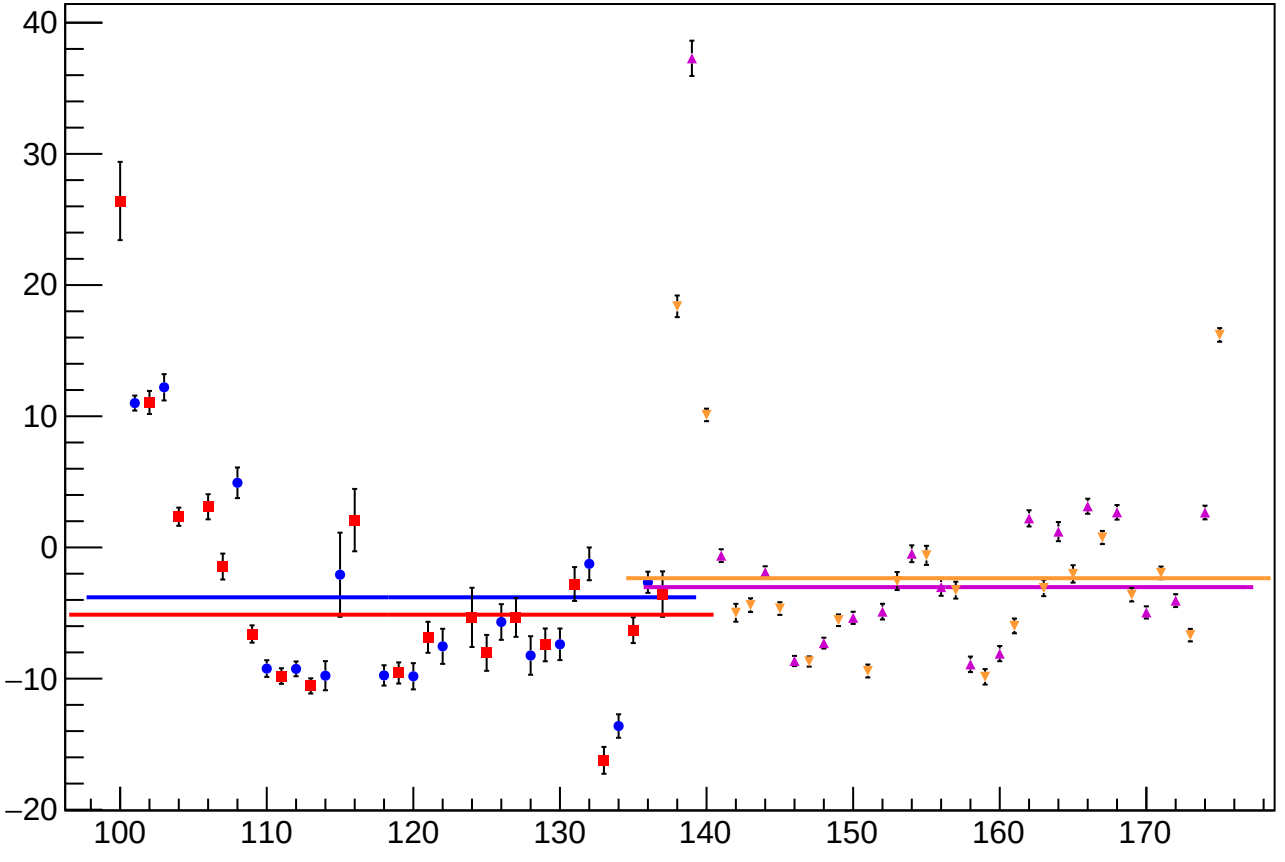
Left In: -17.186+/-0.174 χ^2/NDF:3481.5/17

+ sign -12.874+/-0.126 χ^2/NDF: 15961.8/35

All: -10.796+/-0.087 χ^2/NDF: 25939.3/72

- sign -8.849+/-0.122 χ^2/NDF: 9448.5/36

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -2.344+/-0.120 χ^2/NDF:3502.4/19

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

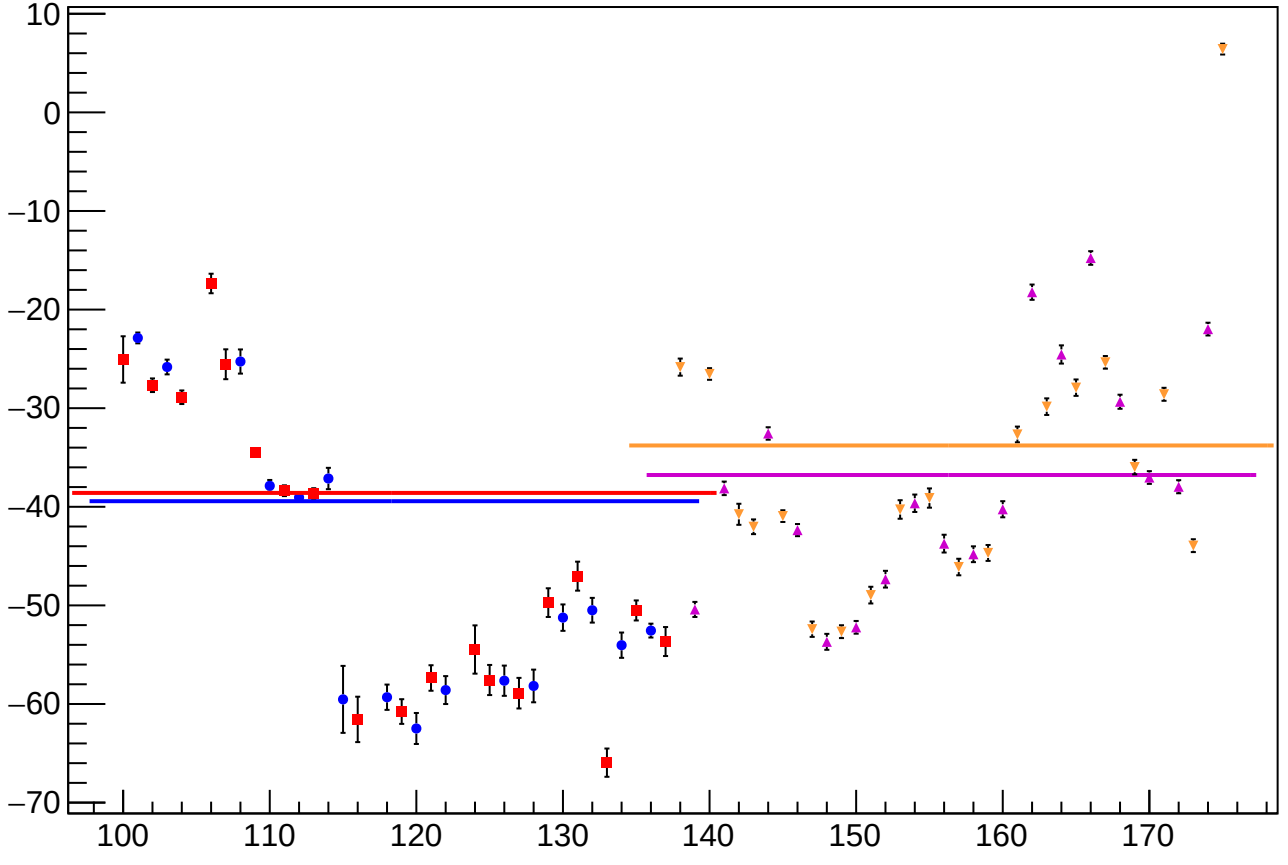
Left In: -3.025+/-0.126 χ^2/NDF:1934.1/17

+ sign -2.667+/-0.106 χ^2/NDF: 4960.4/35

All: -3.095+/-0.076 χ^2/NDF: 7977.8/72

- sign -3.548+/-0.109 χ^2/NDF: 2983.9/36

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -33.781+/-0.165 χ^2/NDF:8659.5/19

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

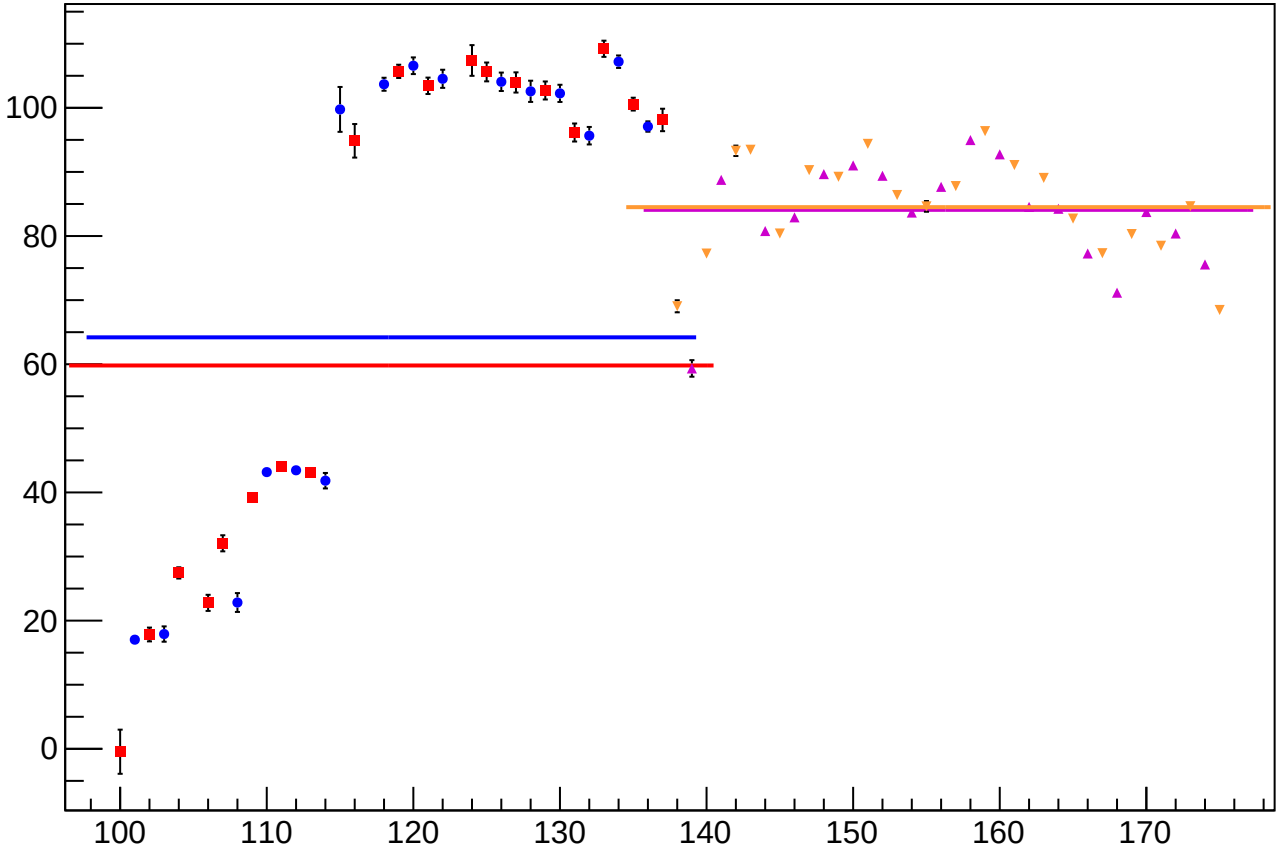
Left In: -36.776+/-0.172 χ^2/NDF:4198.9/17

+ sign -35.747+/-0.133 χ^2/NDF: 12027.2/35

All: -36.616+/-0.094 χ^2/NDF: 19128.4/72

- sign -37.495+/-0.134 χ^2/NDF: 7015.2/36

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 84.505+/-0.138 χ^2/NDF:3042.1/19

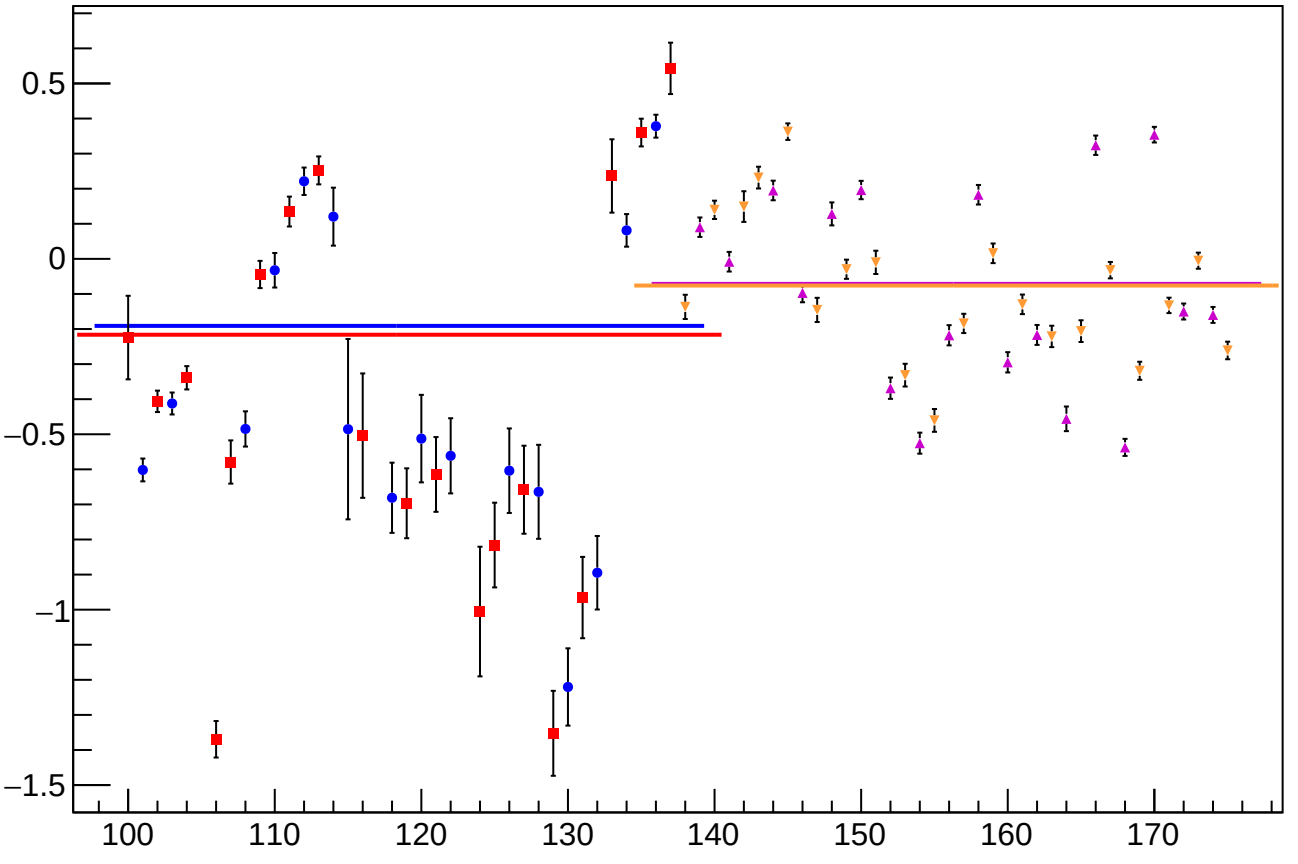
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 84.086+/-0.144 χ^2/NDF:2122.8/17

+ sign 79.995+/-0.121 χ^2/NDF: 26477.5/35

All: 79.027+/-0.087 χ^2/NDF: 53306.5/72

- sign 78.010+/-0.124 χ^2/NDF: 26698.6/36



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.076+/-0.006 χ^2/NDF:989.4/19

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

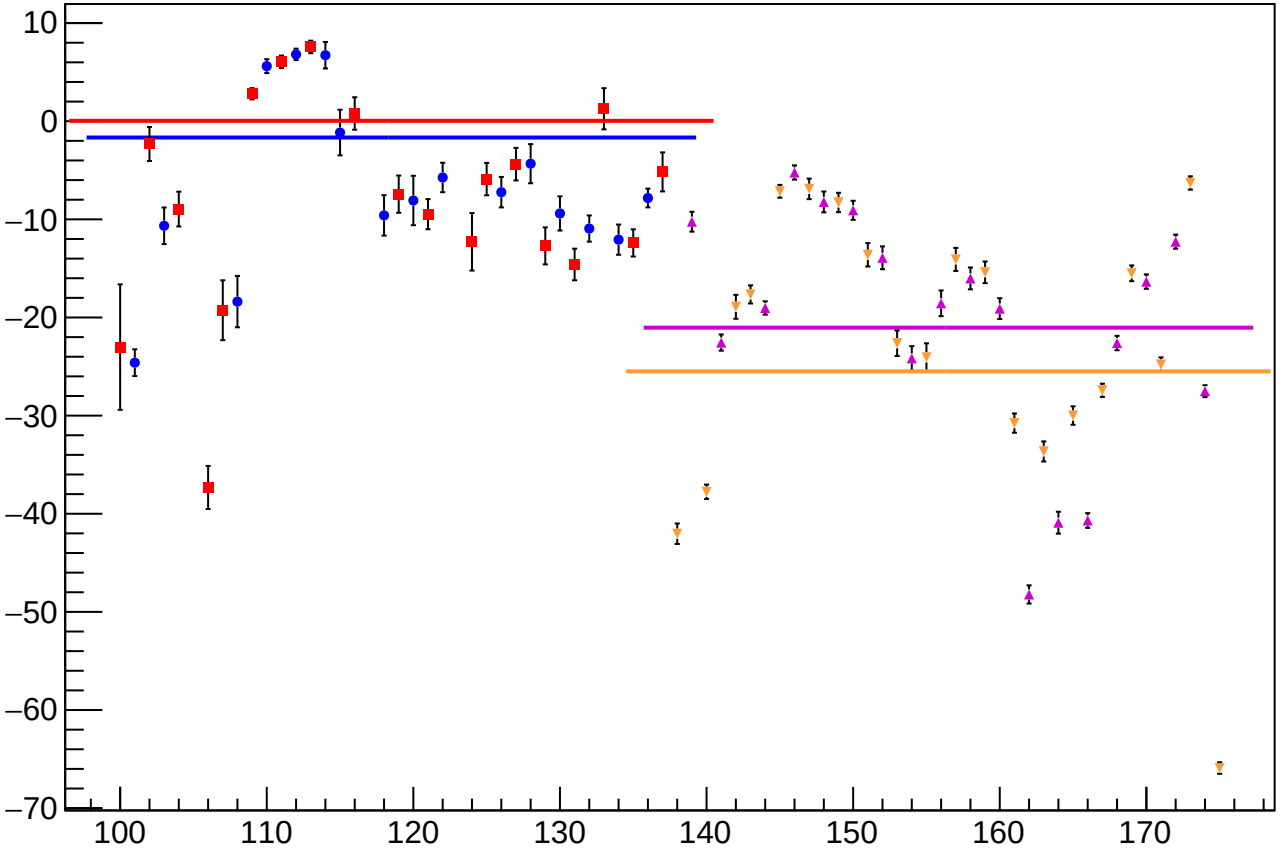
Left In: -0.071+/-0.006 χ^2/NDF:1876.3/17

+ sign -0.097+/-0.006 χ^2/NDF: 1968.0/35

All: -0.098+/-0.004 χ^2/NDF: 5313.3/72

- sign -0.100+/-0.006 χ^2/NDF: 3345.2/36

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -25.490+/-0.196 χ^2/NDF:8100.2/19

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

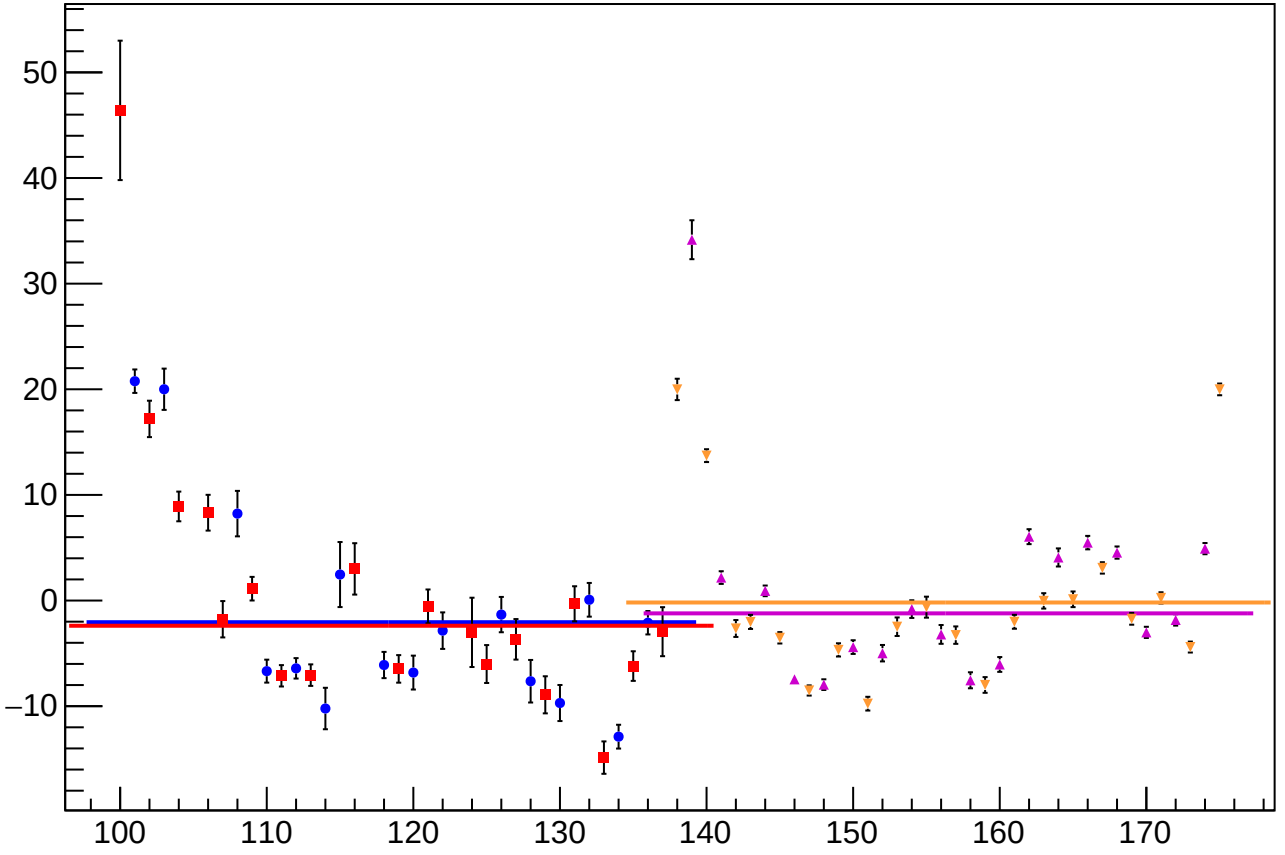
Left In: -21.038+/-0.203 χ^2/NDF:3139.9/17

+ sign -18.621+/-0.165 χ^2/NDF: 13258.8/35

All: -16.219+/-0.117 χ^2/NDF: 21430.8/72

- sign -13.834+/-0.165 χ^2/NDF: 7751.6/36

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -0.184+/-0.143 χ^2/NDF:3111.1/19

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

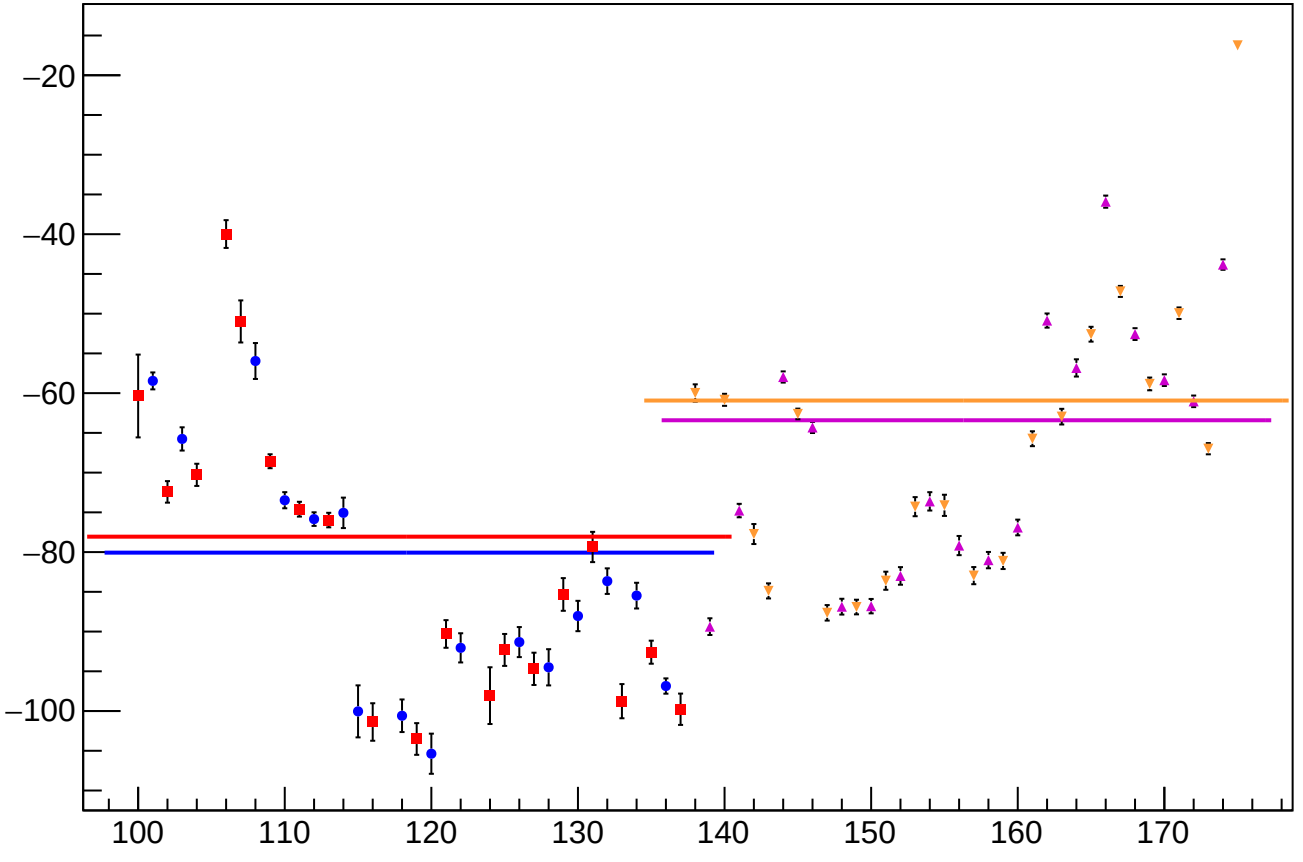
Left In: -1.214+/-0.147 χ^2/NDF:1475.5/17

+ sign -0.444+/-0.133 χ^2/NDF: 3906.7/35

All: -0.903+/-0.095 χ^2/NDF: 5866.9/72

- sign -1.385+/-0.136 χ^2/NDF: 1935.7/36

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -60.930+/-0.195 χ^2/NDF:10351.0/19

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

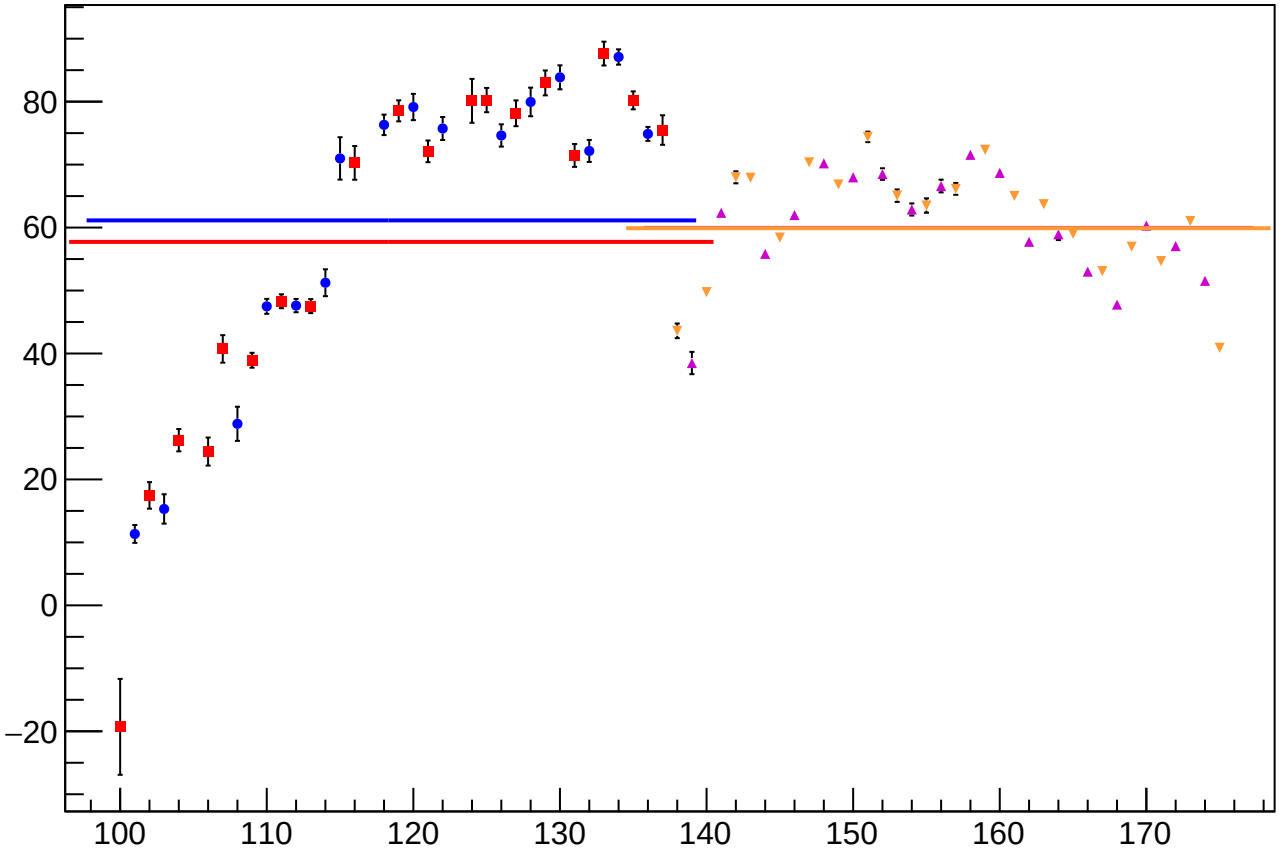
Left In: -63.412+/-0.202 χ^2/NDF:5800.4/17

+ sign -65.186+/-0.172 χ^2/NDF: 13883.1/35

All: -66.084+/-0.123 χ^2/NDF: 22594.3/72

- sign -67.018+/-0.175 χ^2/NDF: 8655.5/36

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 59.899+/-0.163 χ^2/NDF:2925.1/19

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

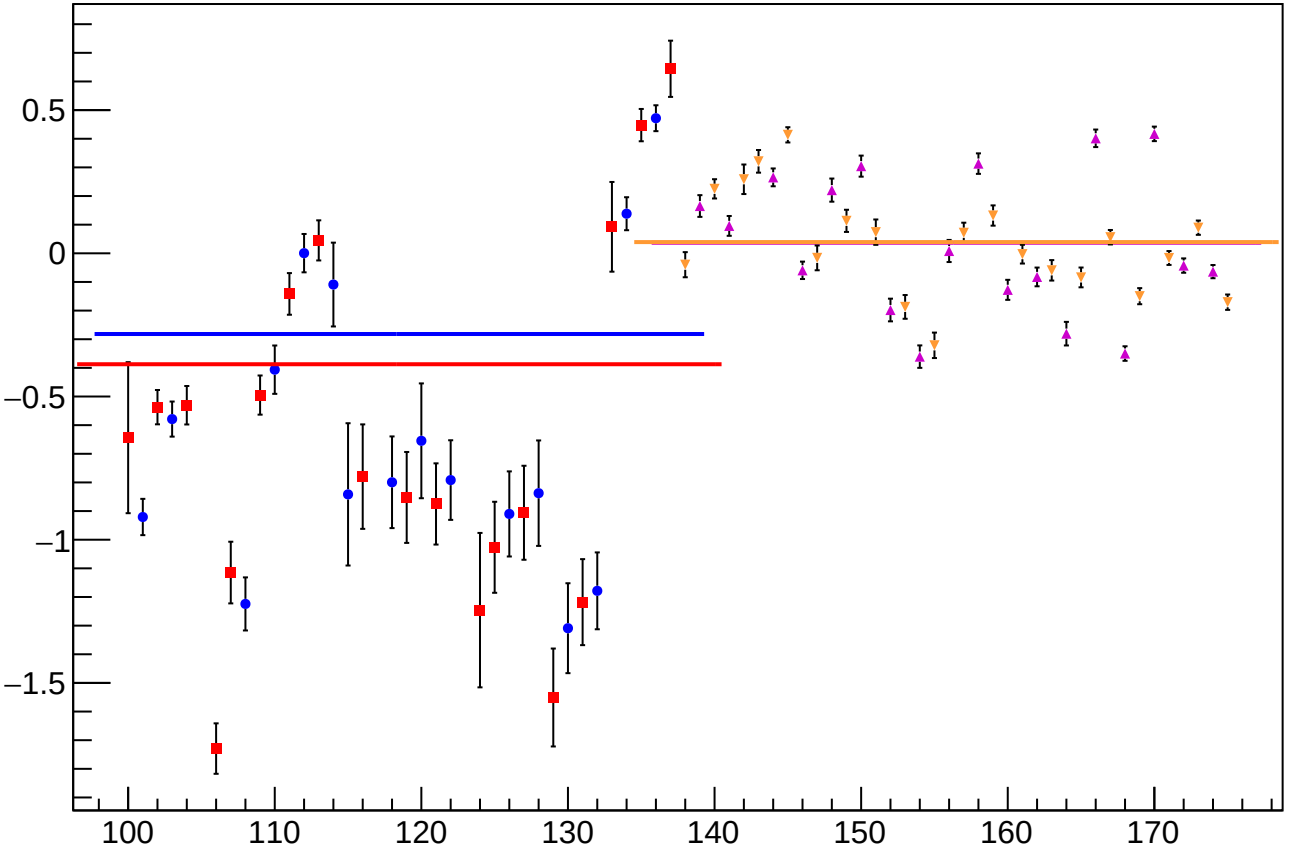
Left In: 59.943+/-0.168 χ^2/NDF:1726.7/17

+ sign 60.074+/-0.151 χ^2/NDF: 6162.6/35

All: 59.849+/-0.108 χ^2/NDF: 10695.5/72

- sign 59.611+/-0.155 χ^2/NDF: 4528.3/36

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.039+/-0.007 χ^2/NDF:548.1/19

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

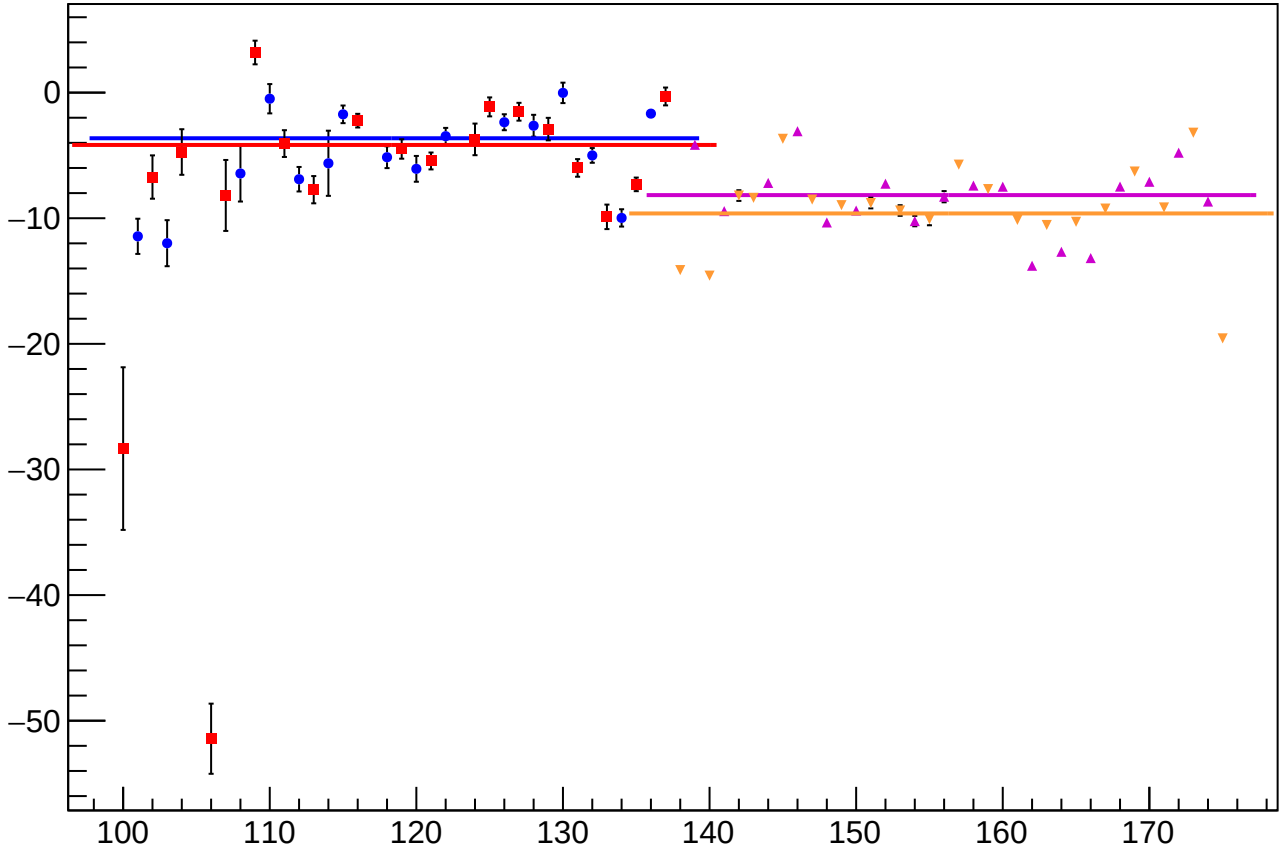
Left In: 0.037+/-0.008 χ^2/NDF:1073.4/17

+ sign 0.006+/-0.007 χ^2/NDF: 1473.4/35

All: -0.001+/-0.005 χ^2/NDF: 3702.8/72

- sign -0.008+/-0.007 χ^2/NDF: 2227.6/36

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -9.619+/-0.064 χ^2/NDF:5468.9/19

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

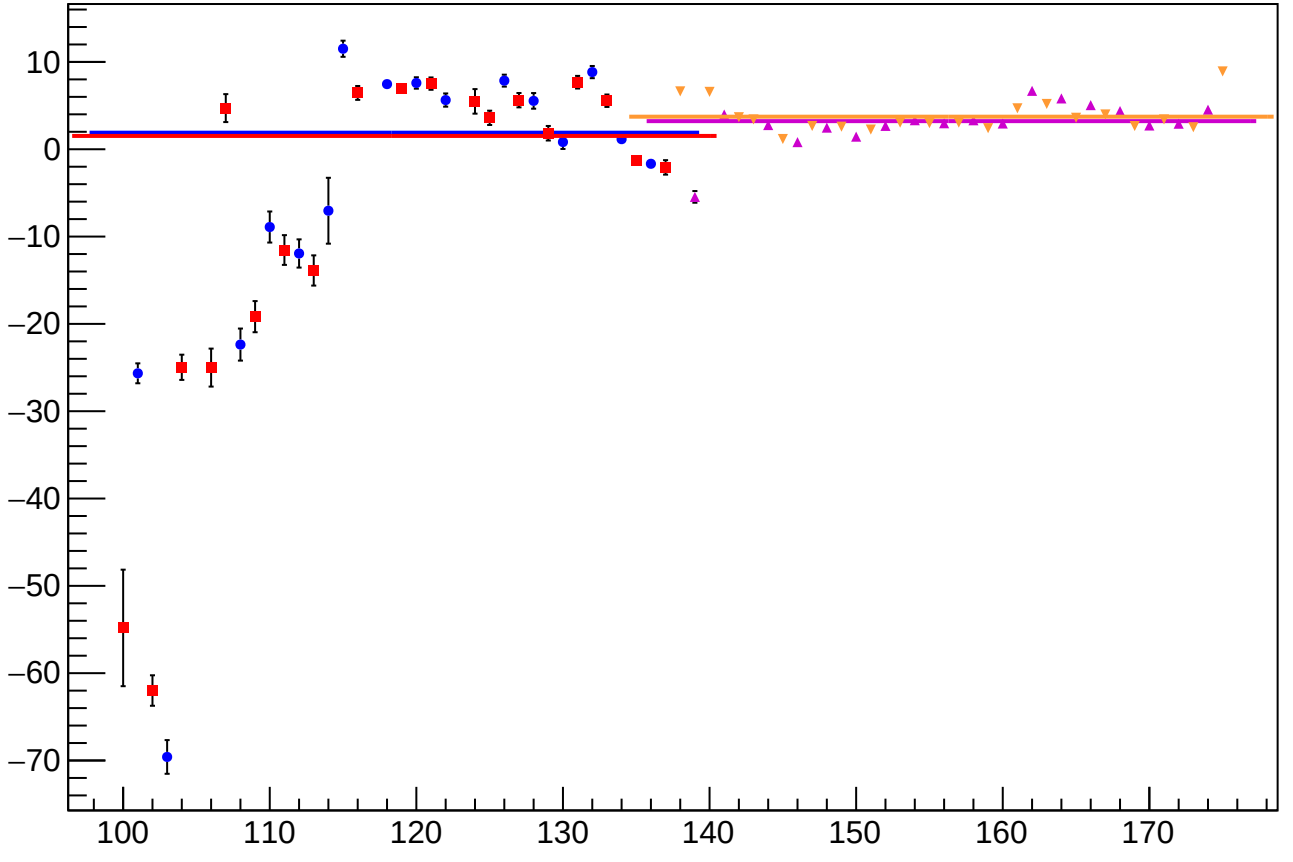
Left In: -8.159+/-0.066 χ^2/NDF:2002.6/17

+ sign -9.008+/-0.060 χ^2/NDF: 6603.8/35

All: -8.408+/-0.043 χ^2/NDF: 9701.4/72

- sign -7.769+/-0.062 χ^2/NDF: 2893.9/36

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.730+/-0.047 χ^2/NDF:1654.1/19

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

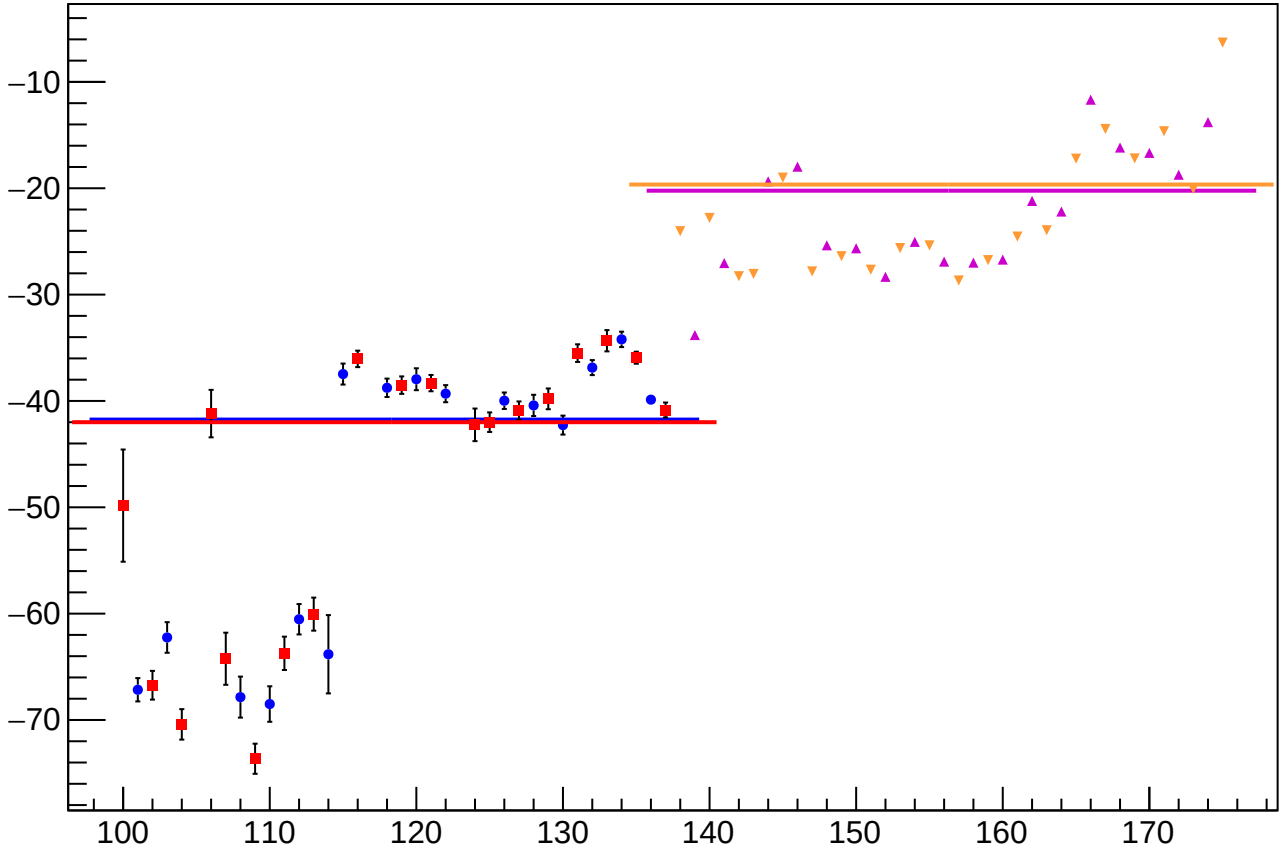
Left In: 3.220+/-0.048 χ^2/NDF:1122.0/17

+ sign 3.624+/-0.045 χ^2/NDF: 4580.8/35

All: 3.385+/-0.033 χ^2/NDF: 8381.9/72

- sign 3.135+/-0.047 χ^2/NDF: 3744.7/36

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -19.651+/-0.063 χ^2/NDF:11102.0/19

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

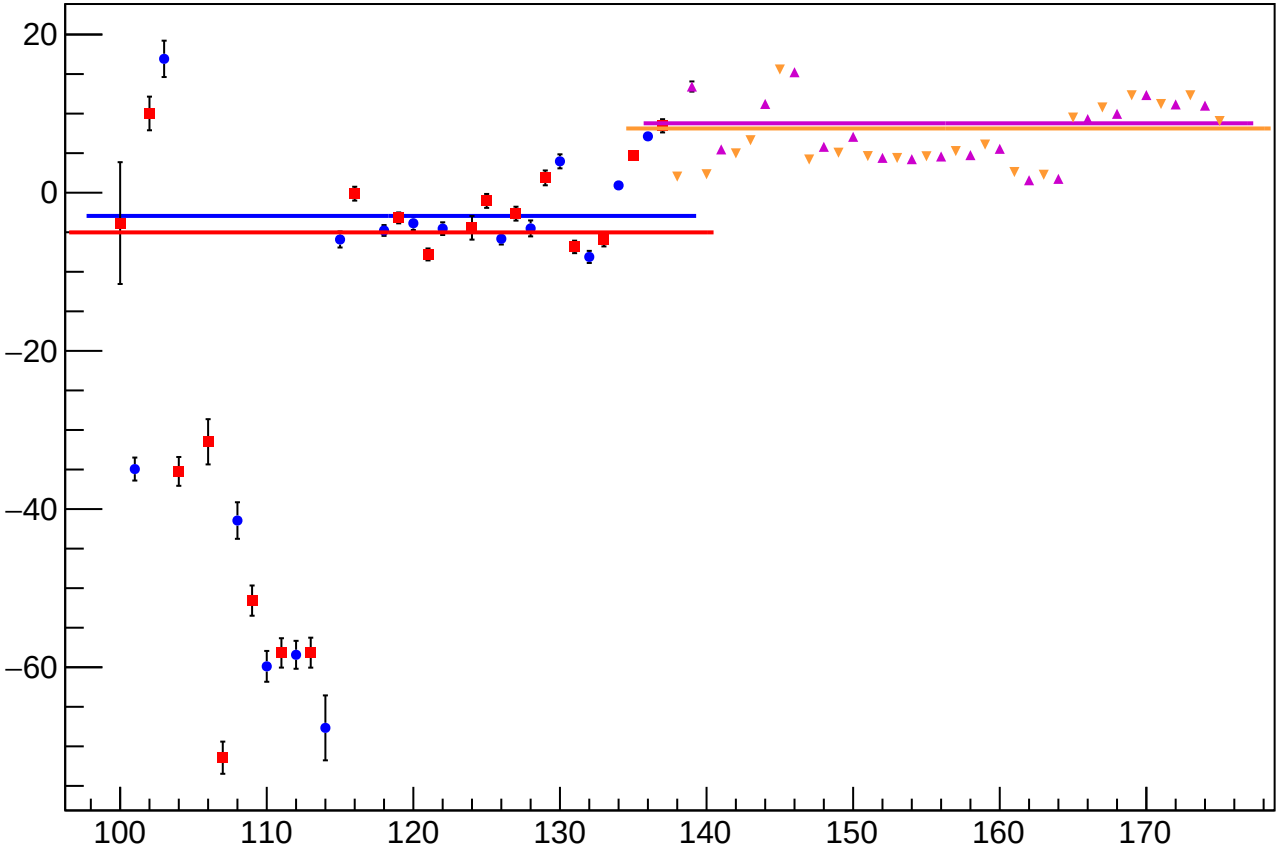
Left In: -20.230+/-0.065 χ^2/NDF:7026.9/17

+ sign -21.538+/-0.061 χ^2/NDF: 23098.0/35

All: -21.703+/-0.044 χ^2/NDF: 40531.0/72

- sign -21.879+/-0.063 χ^2/NDF: 17417.7/36

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.120+/-0.053 χ^2/NDF:5915.2/19

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

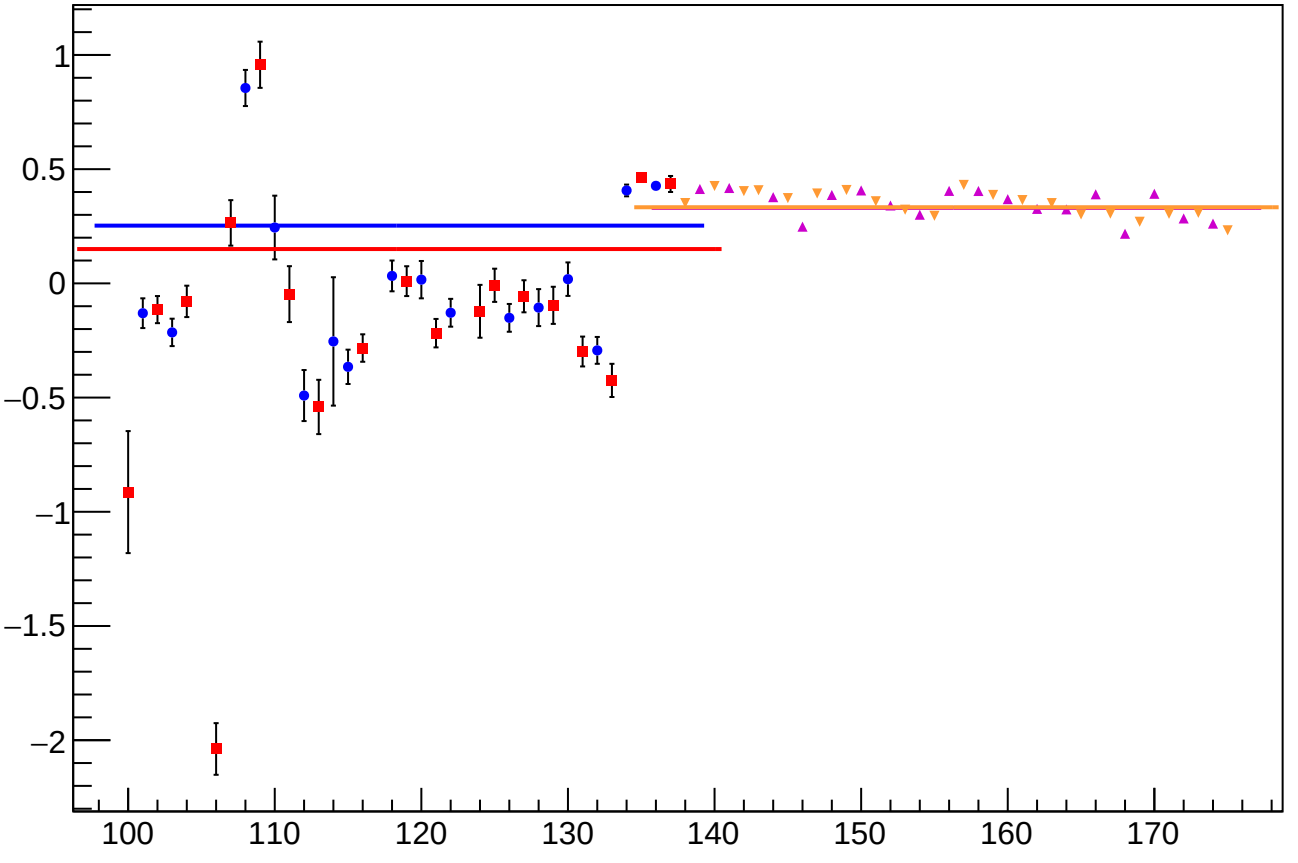
Left In: 8.774+/-0.054 χ^2/NDF:5302.9/17

+ sign 7.458+/-0.051 χ^2/NDF: 12255.1/35

All: 7.749+/-0.037 χ^2/NDF: 25358.2/72

- sign 8.058+/-0.053 χ^2/NDF: 13036.7/36

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.333+/-0.002 χ^2/NDF:526.4/19

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

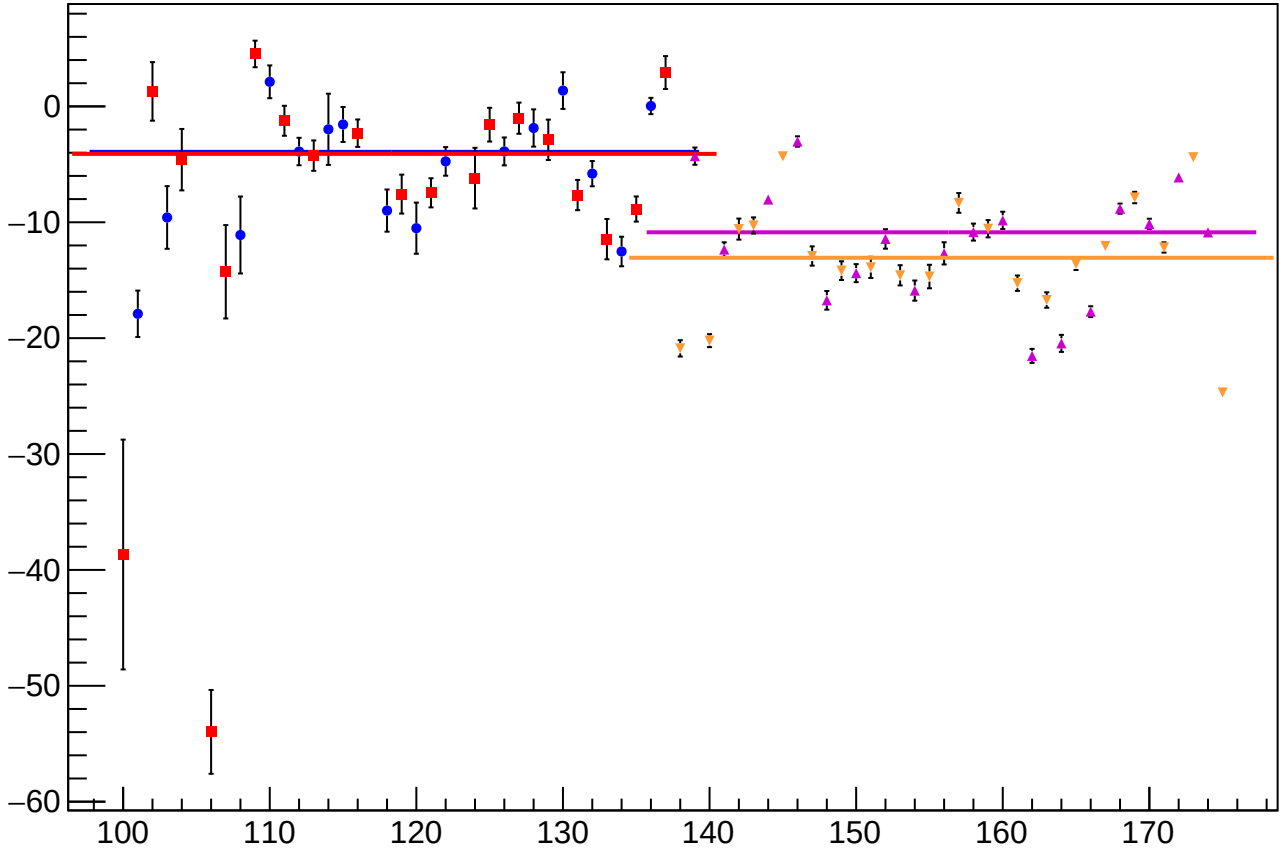
Left In: 0.330+/-0.002 χ^2/NDF:762.7/17

+ sign 0.330+/-0.002 χ^2/NDF: 1204.4/35

All: 0.327+/-0.002 χ^2/NDF: 3163.6/72

- sign 0.325+/-0.002 χ^2/NDF: 1956.7/36

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -13.063+/-0.127 χ^2/NDF:2584.7/19

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

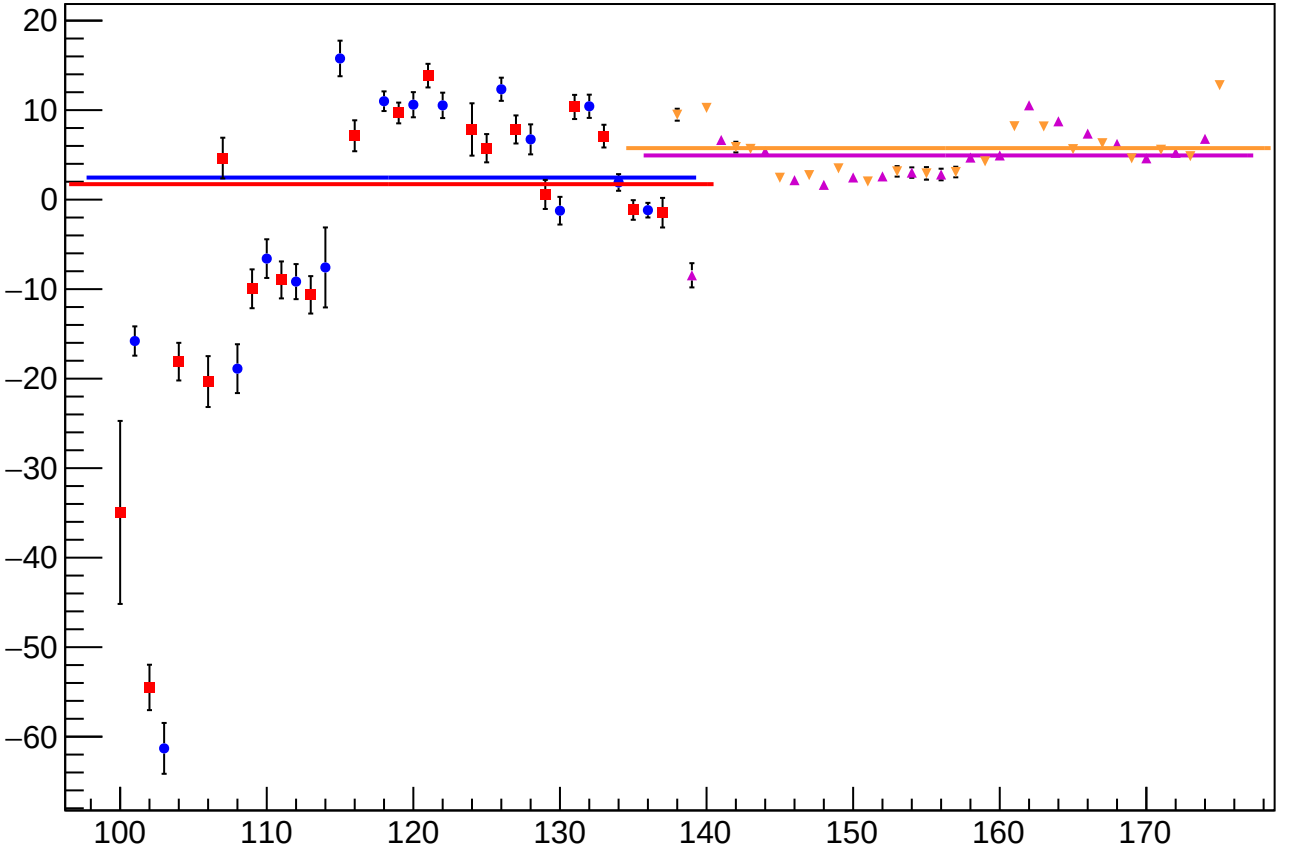
Left In: -10.866+/-0.131 χ^2/NDF:1389.2/17

+ sign -11.975+/-0.119 χ^2/NDF: 3388.1/35

All: -11.047+/-0.086 χ^2/NDF: 5586.0/72

- sign -10.064+/-0.123 χ^2/NDF: 2073.3/36

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 5.755+/-0.094 χ^2/NDF:987.0/19

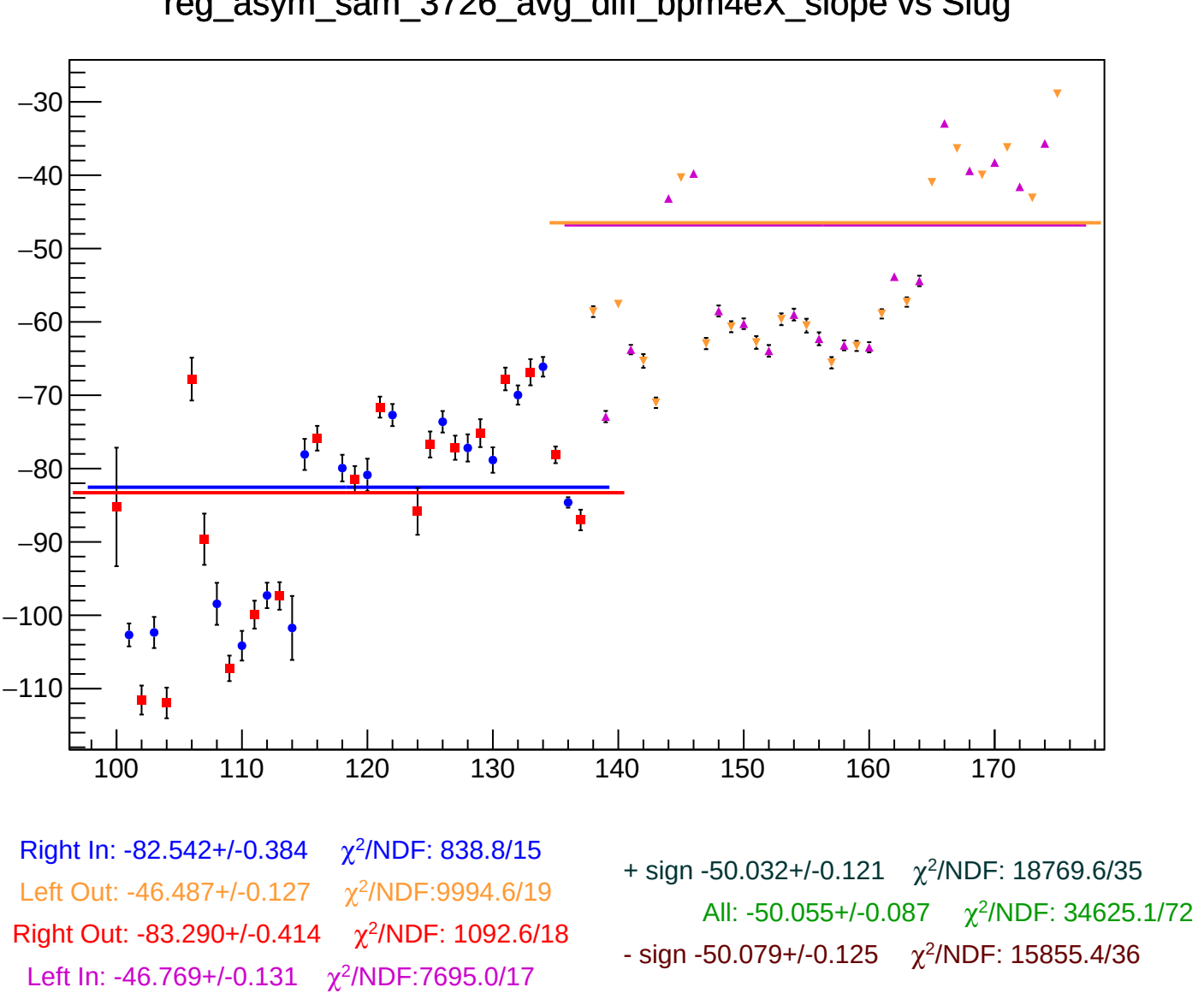
Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 4.936+/-0.095 χ^2/NDF:645.5/17

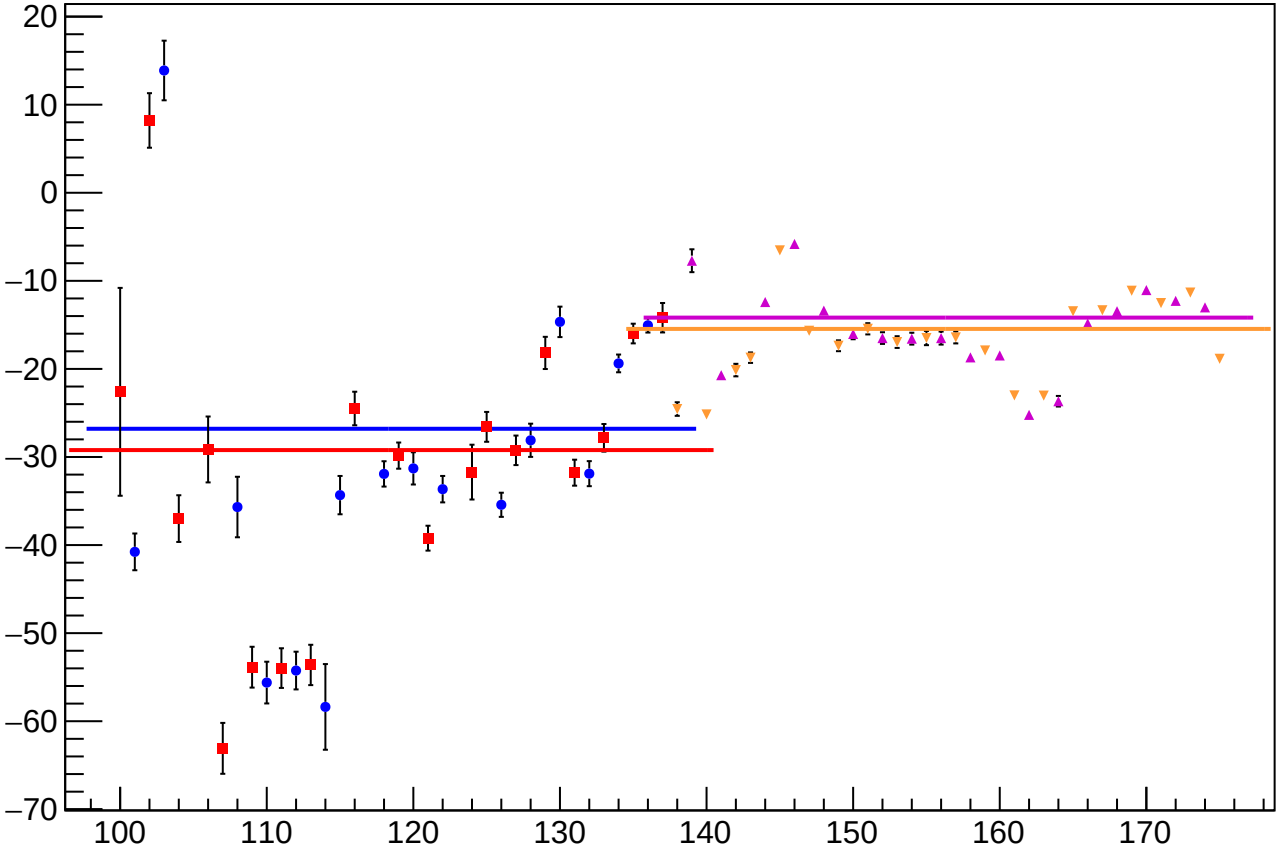
+ sign 5.539+/-0.091 χ^2/NDF: 2113.2/35

All: 5.151+/-0.065 χ^2/NDF: 3843.6/72

- sign 4.751+/-0.093 χ^2/NDF: 1693.7/36


reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug
−30
−40
−50
−60
−70
−80
−90
−100
−110
100
110
120
130
140
150
160
170
Right In: -82.542+/-0.384 χ²/NDF: 838.8/15
Left Out: -46.487+/-0.127 χ²/NDF:9994.6/19
Right Out: -83.290+/-0.414 χ²/NDF: 1092.6/18
Left In: -46.769+/-0.131 χ²/NDF:7695.0/17
+ sign -50.032+/-0.121 χ²/NDF: 18769.6/35
All: -50.055+/-0.087 χ²/NDF: 34625.1/72
- sign -50.079+/-0.125 χ²/NDF: 15855.4/36

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.458+/-0.106 χ^2/NDF:2126.3/19

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

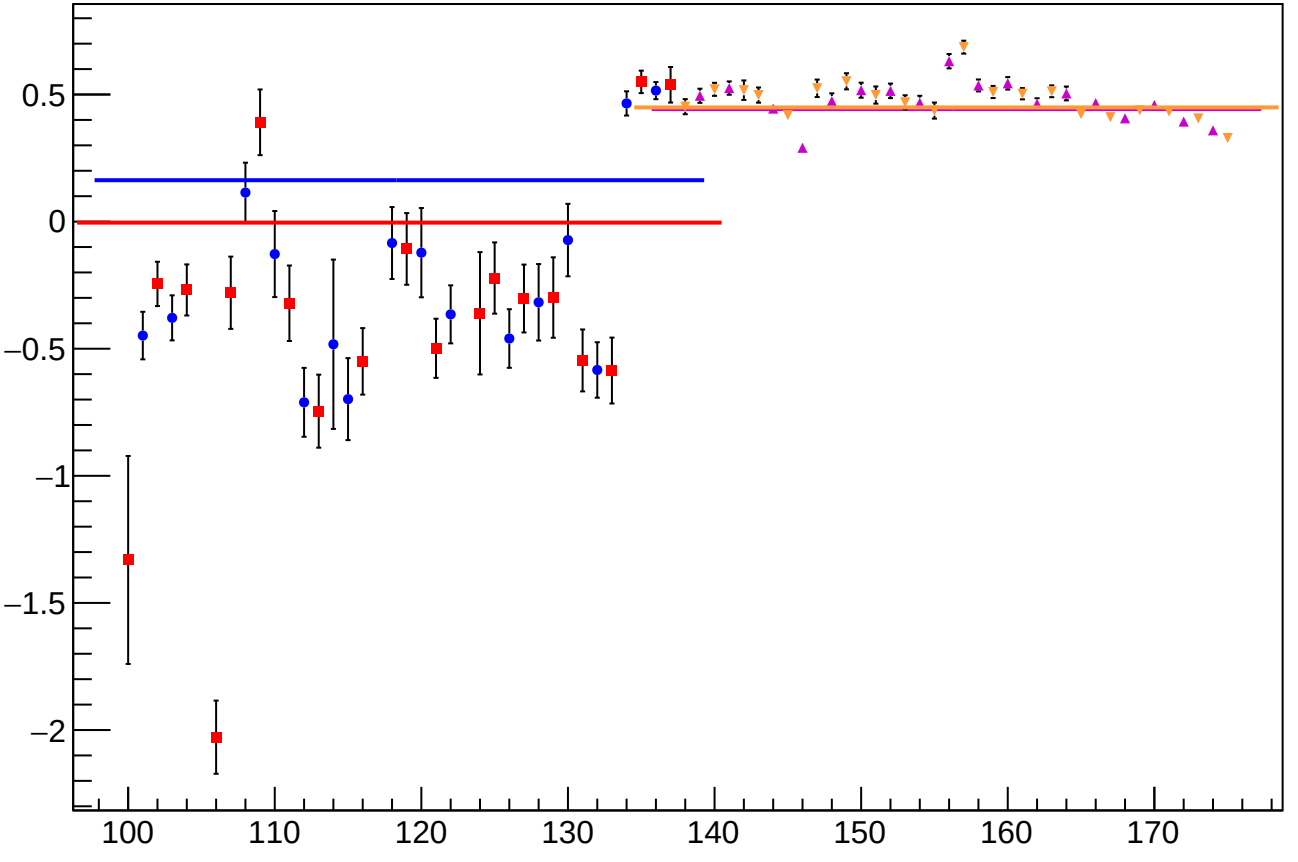
Left In: -14.176+/-0.108 χ^2/NDF:1919.1/17

+ sign -16.220+/-0.103 χ^2/NDF: 3856.0/35

All: -15.660+/-0.073 χ^2/NDF: 7941.6/72

- sign -15.072+/-0.105 χ^2/NDF: 4024.5/36

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.449+/-0.005 χ^2/NDF:217.8/19

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

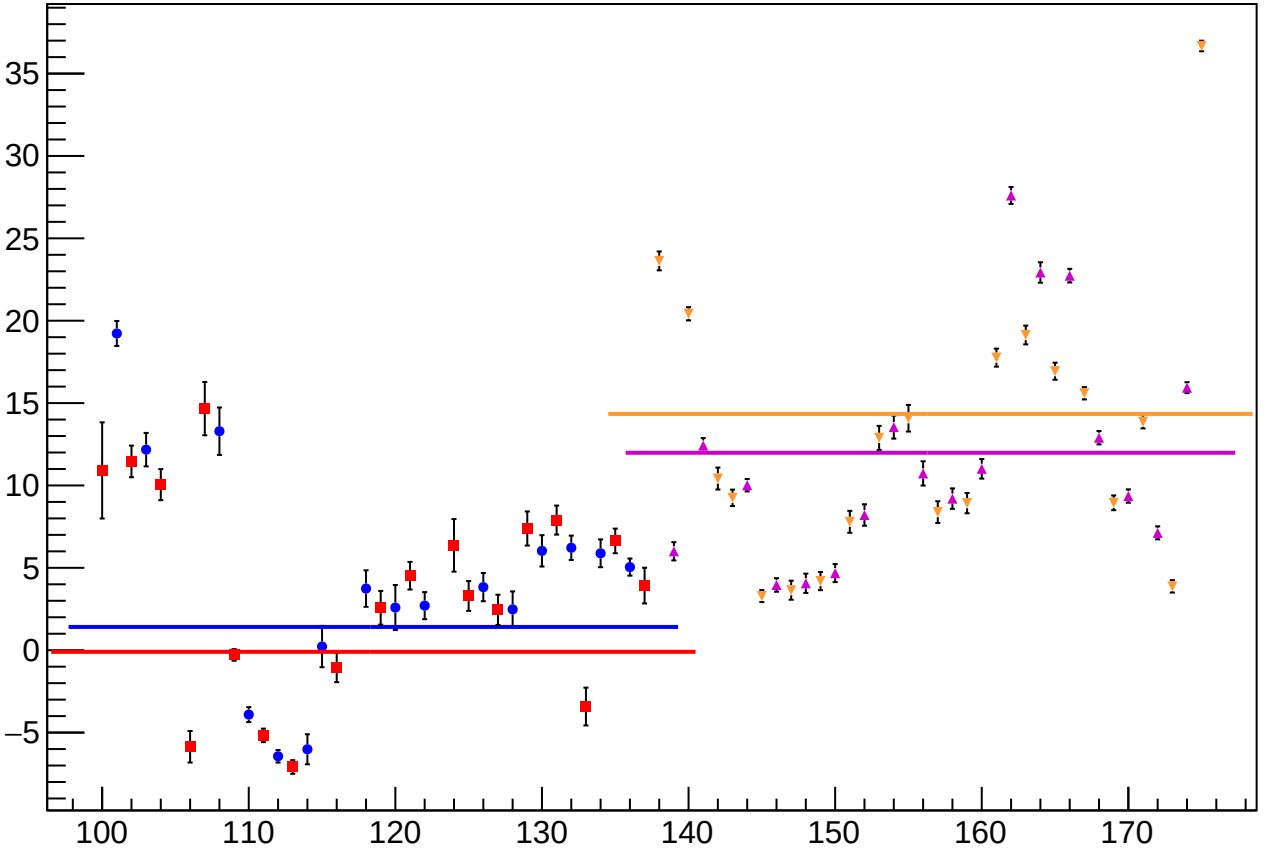
Left In: 0.443+/-0.005 χ^2/NDF:235.6/17

\+ sign 0.436+/-0.005 χ^2/NDF: 810.8/35

All: 0.431+/-0.003 χ^2/NDF: 1943.8/72

\- sign 0.426+/-0.005 χ^2/NDF: 1130.8/36

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 14.341+/-0.109 χ^2/NDF:8369.7/19

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

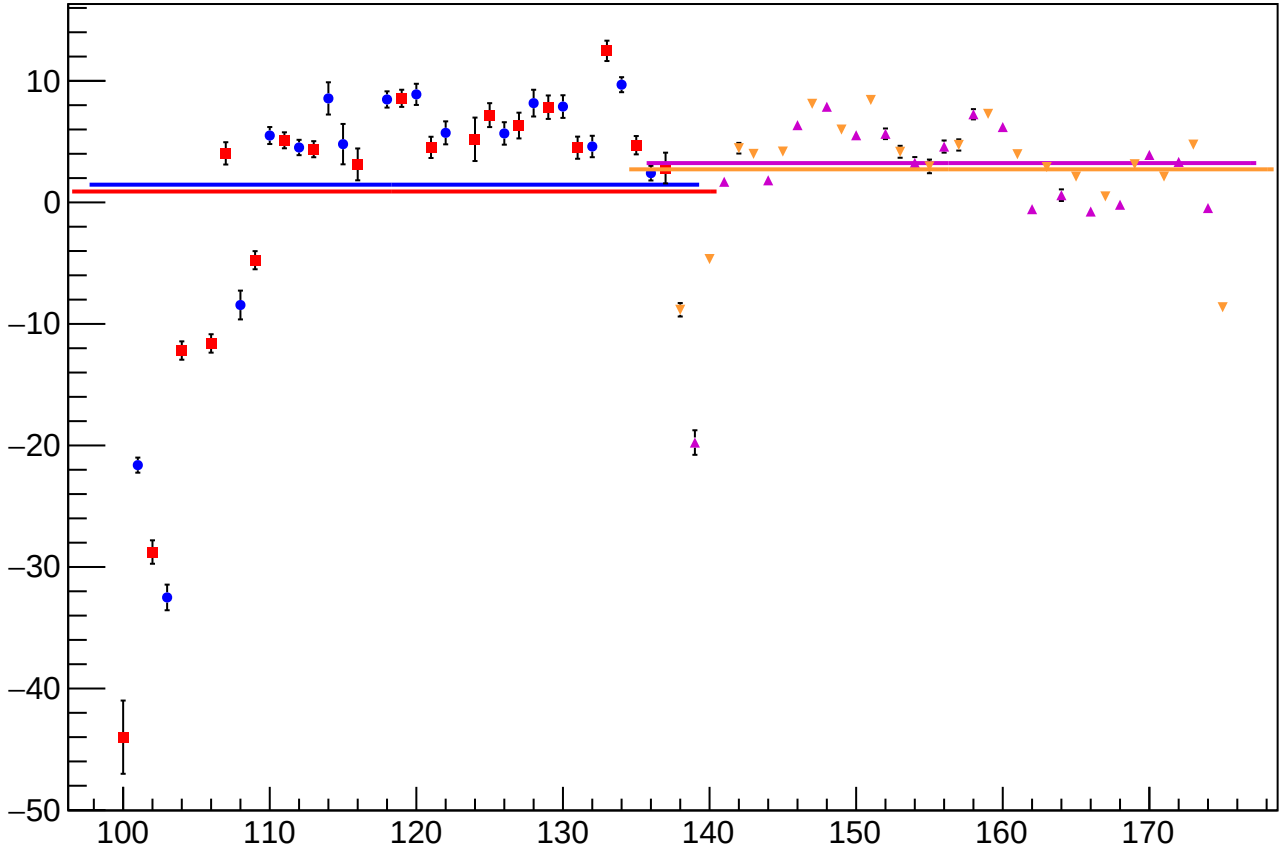
Left In: 11.985+/-0.113 χ^2/NDF:3190.4/17

+ sign 10.981+/-0.093 χ^2/NDF: 13582.2/35

All: 9.601+/-0.066 χ^2/NDF: 21943.2/72

- sign 8.217+/-0.093 χ^2/NDF: 7923.2/36

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 2.721+/-0.079 χ^2/NDF:3399.9/19

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

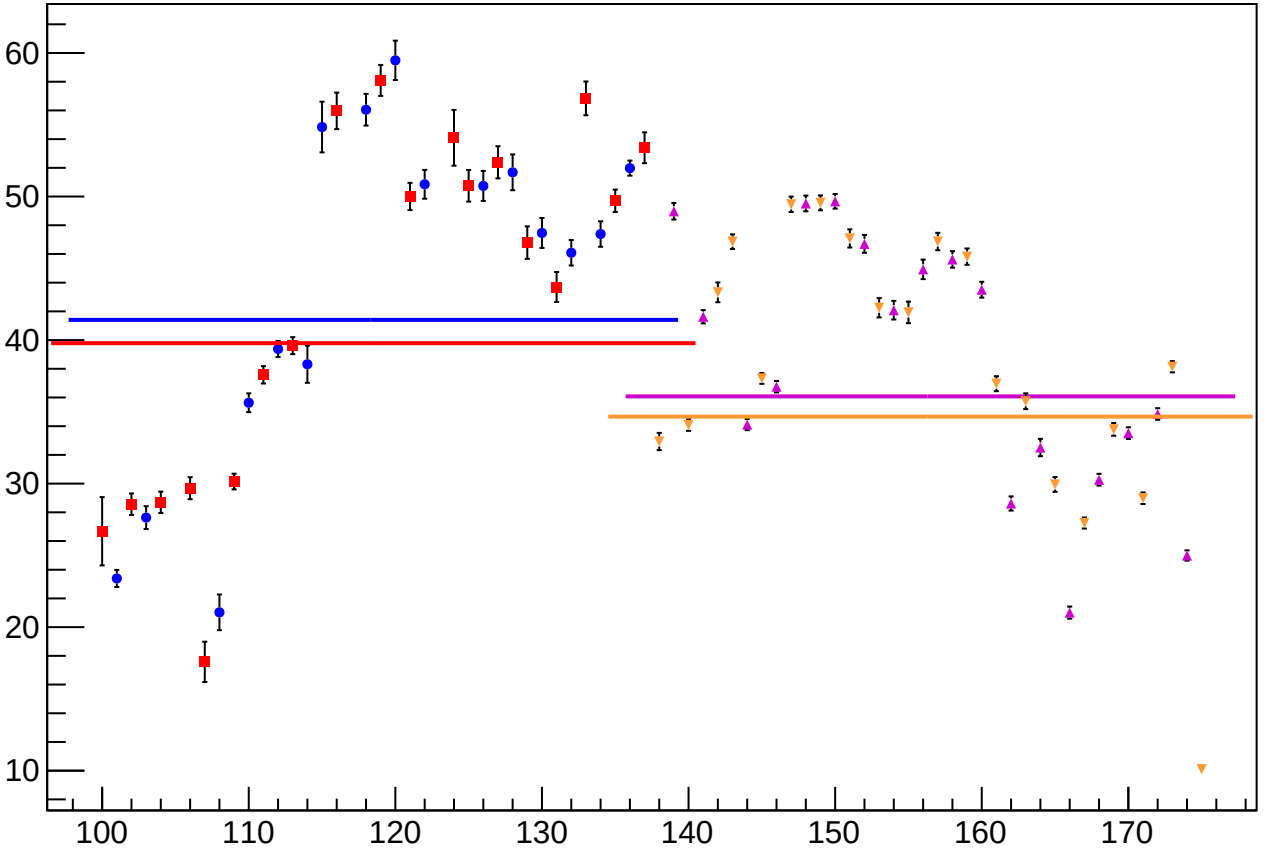
Left In: 3.235+/-0.082 χ^2/NDF:1770.5/17

+ sign 2.555+/-0.074 χ^2/NDF: 6513.6/35

All: 2.726+/-0.053 χ^2/NDF: 10787.5/72

- sign 2.907+/-0.076 χ^2/NDF: 4262.8/36

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: 34.666+/-0.108 χ^2/NDF:10345.7/19

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

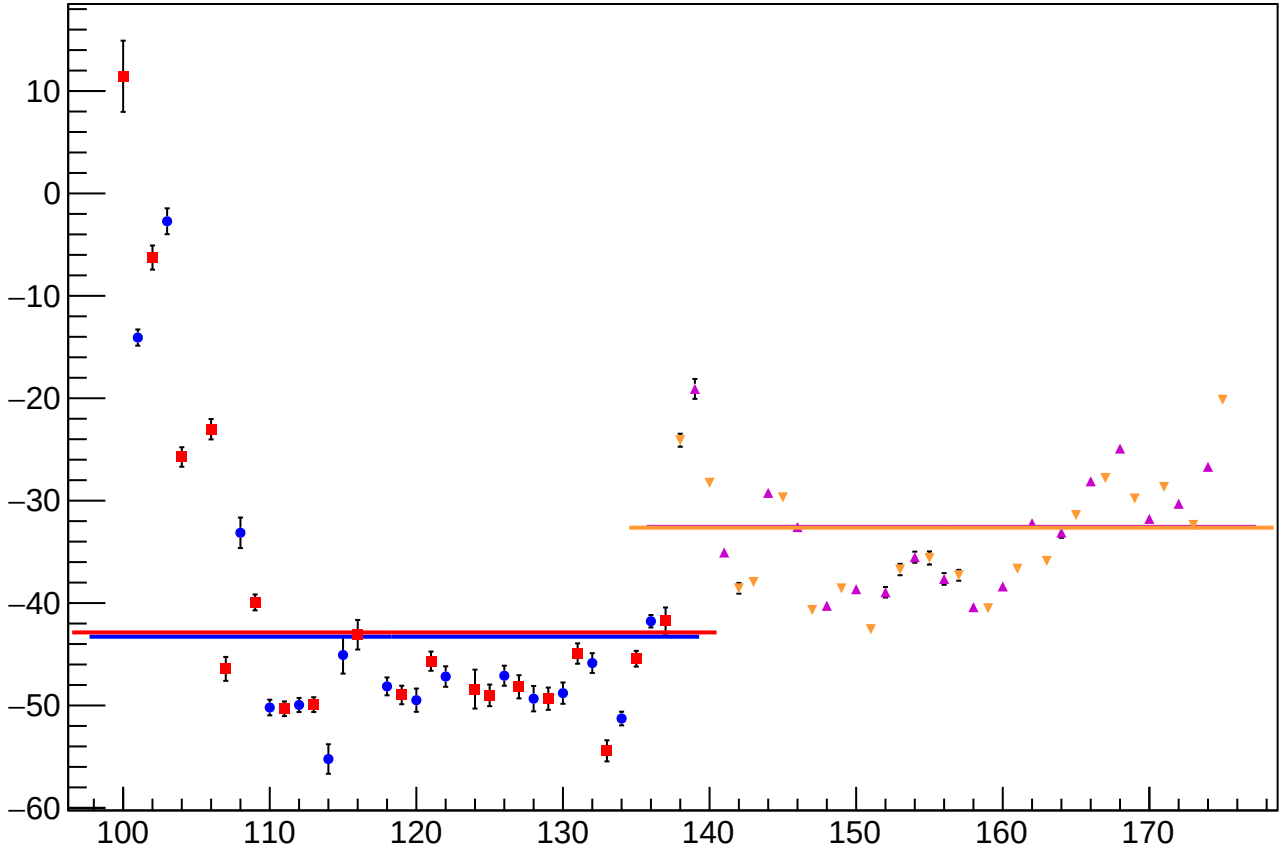
Left In: 36.076+/-0.112 χ^2/NDF:5716.1/17

+ sign 36.067+/-0.096 χ^2/NDF: 13903.0/35

All: 36.496+/-0.069 χ^2/NDF: 22569.6/72

- sign 36.944+/-0.098 χ^2/NDF: 8625.7/36

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: -32.638+/-0.090 χ^2/NDF:4421.4/19

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

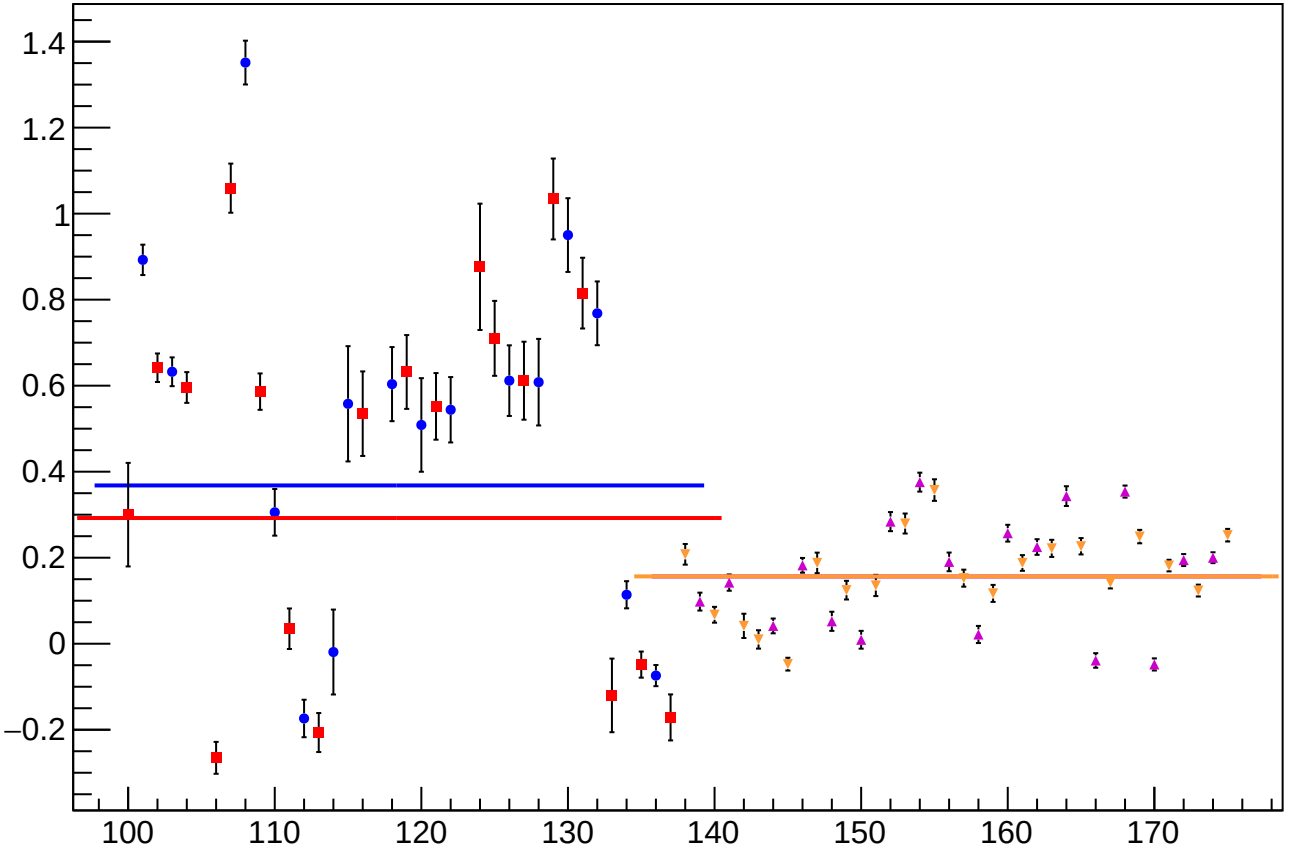
Left In: -32.560+/-0.093 χ^2/NDF:2692.9/17

+ sign -34.062+/-0.084 χ^2/NDF: 9273.8/35

All: -34.044+/-0.060 χ^2/NDF: 16158.9/72

- sign -34.024+/-0.086 χ^2/NDF: 6885.0/36

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.157+/-0.004 χ^2/NDF:494.9/19

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

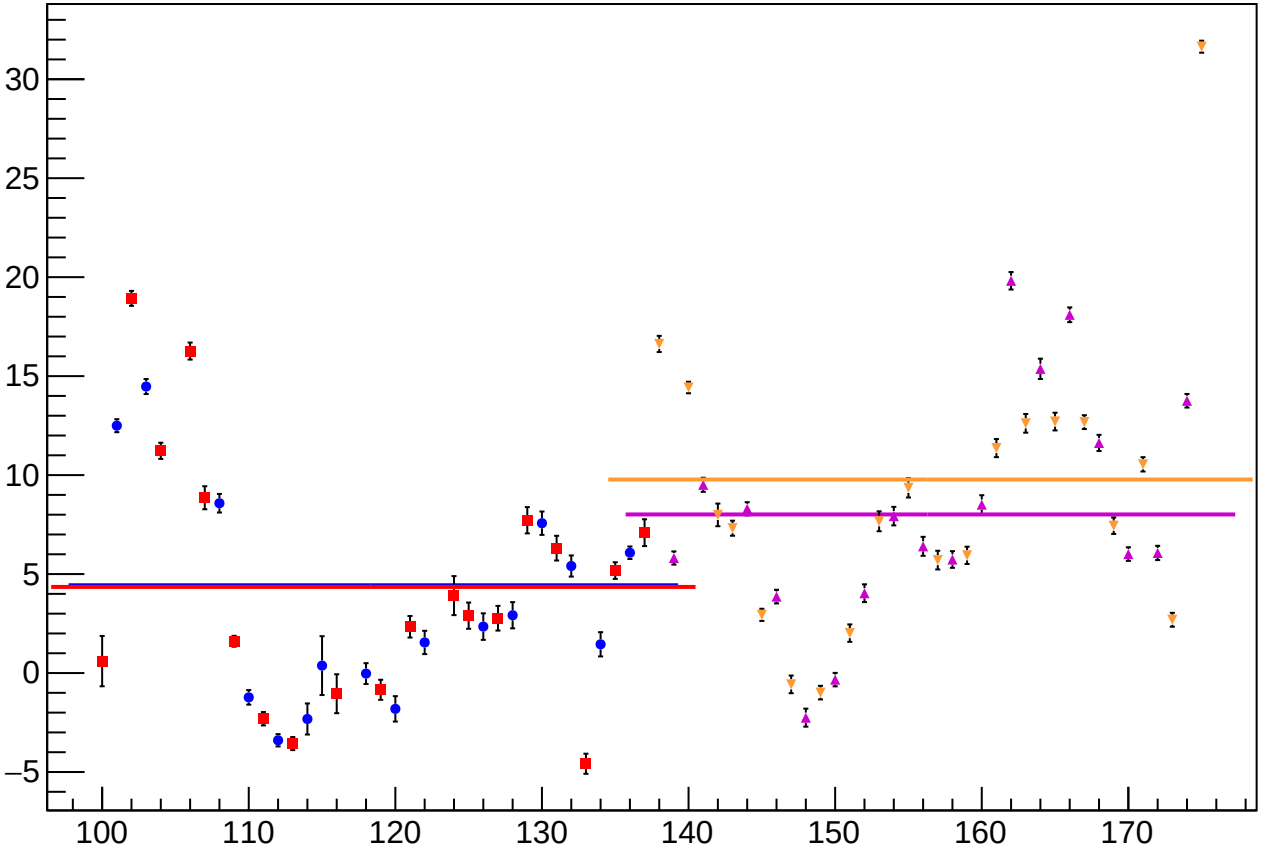
Left In: 0.156+/-0.004 χ^2/NDF:974.6/17

+ sign 0.178+/-0.004 χ^2/NDF: 2085.8/35

All: 0.174+/-0.003 χ^2/NDF: 4374.0/72

- sign 0.171+/-0.004 χ^2/NDF: 2286.5/36

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 9.776+/-0.088 χ^2/NDF:8861.8/19

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

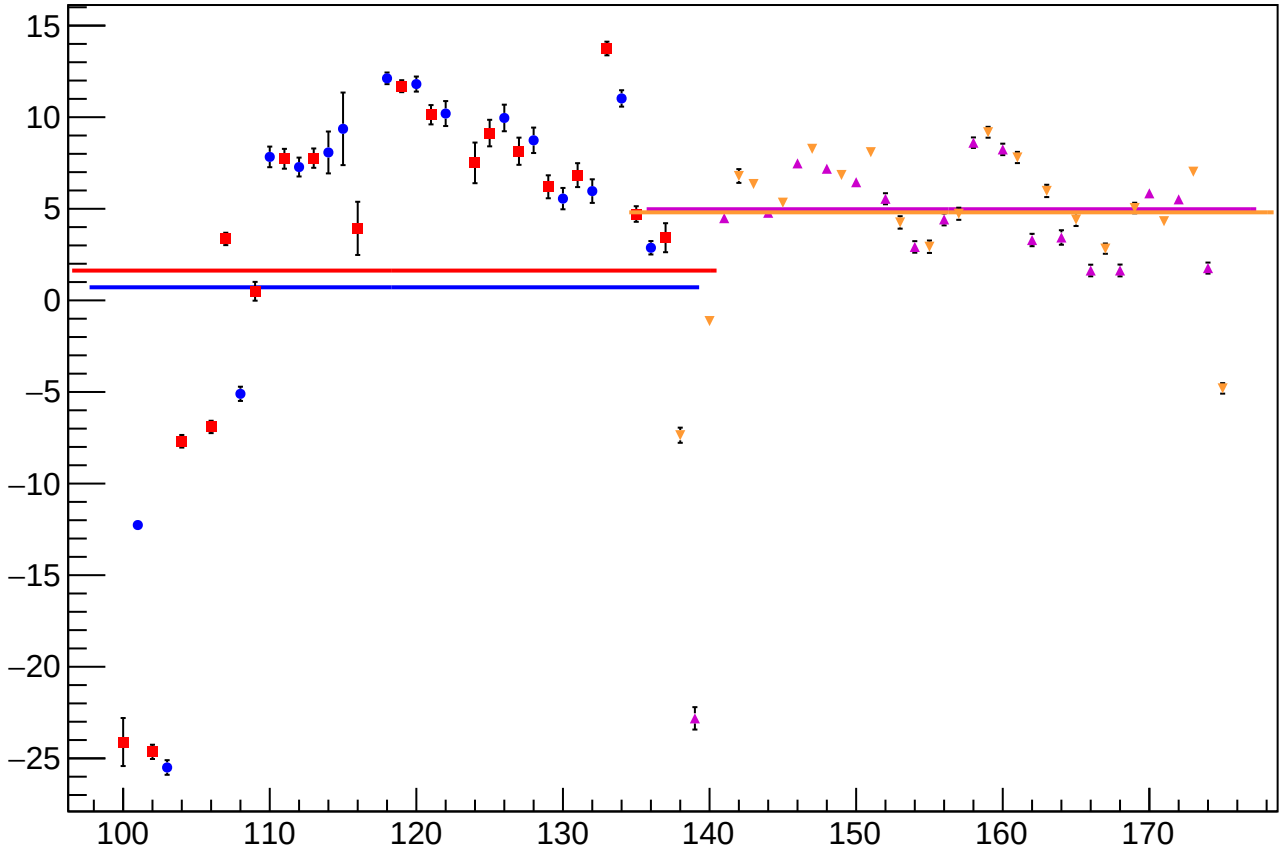
Left In: 8.012+/-0.092 χ^2/NDF:3513.7/17

+ sign 7.850+/-0.070 χ^2/NDF: 12817.3/35

All: 7.172+/-0.050 χ^2/NDF: 21381.7/72

- sign 6.492+/-0.070 χ^2/NDF: 8377.7/36

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 4.807+/-0.063 χ^2/NDF:3660.3/19

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

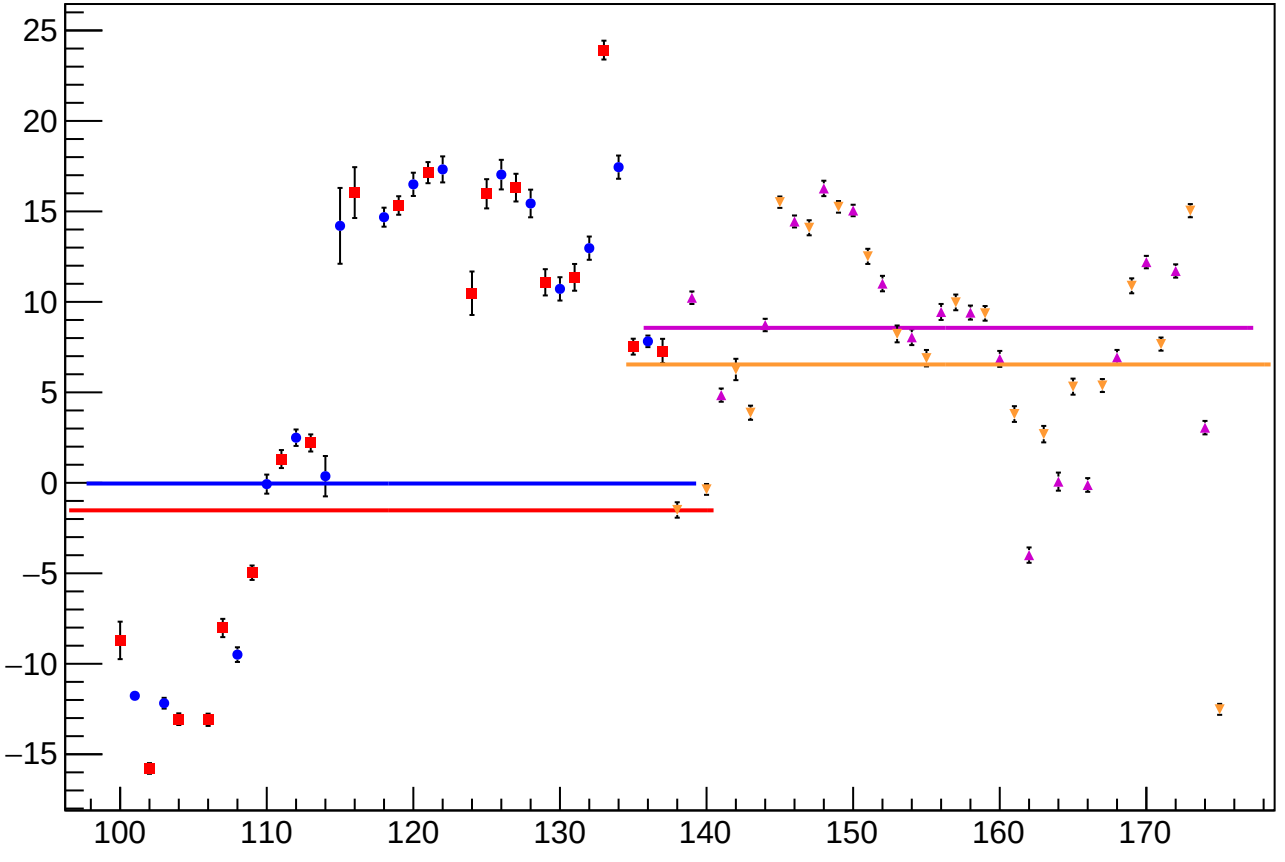
Left In: 4.976+/-0.067 χ^2/NDF:3057.6/17

+ sign 3.863+/-0.056 χ^2/NDF: 15072.9/35

All: 3.971+/-0.040 χ^2/NDF: 28061.6/72

- sign 4.085+/-0.057 χ^2/NDF: 12981.0/36

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 6.542+/-0.087 χ^2/NDF:7878.9/19

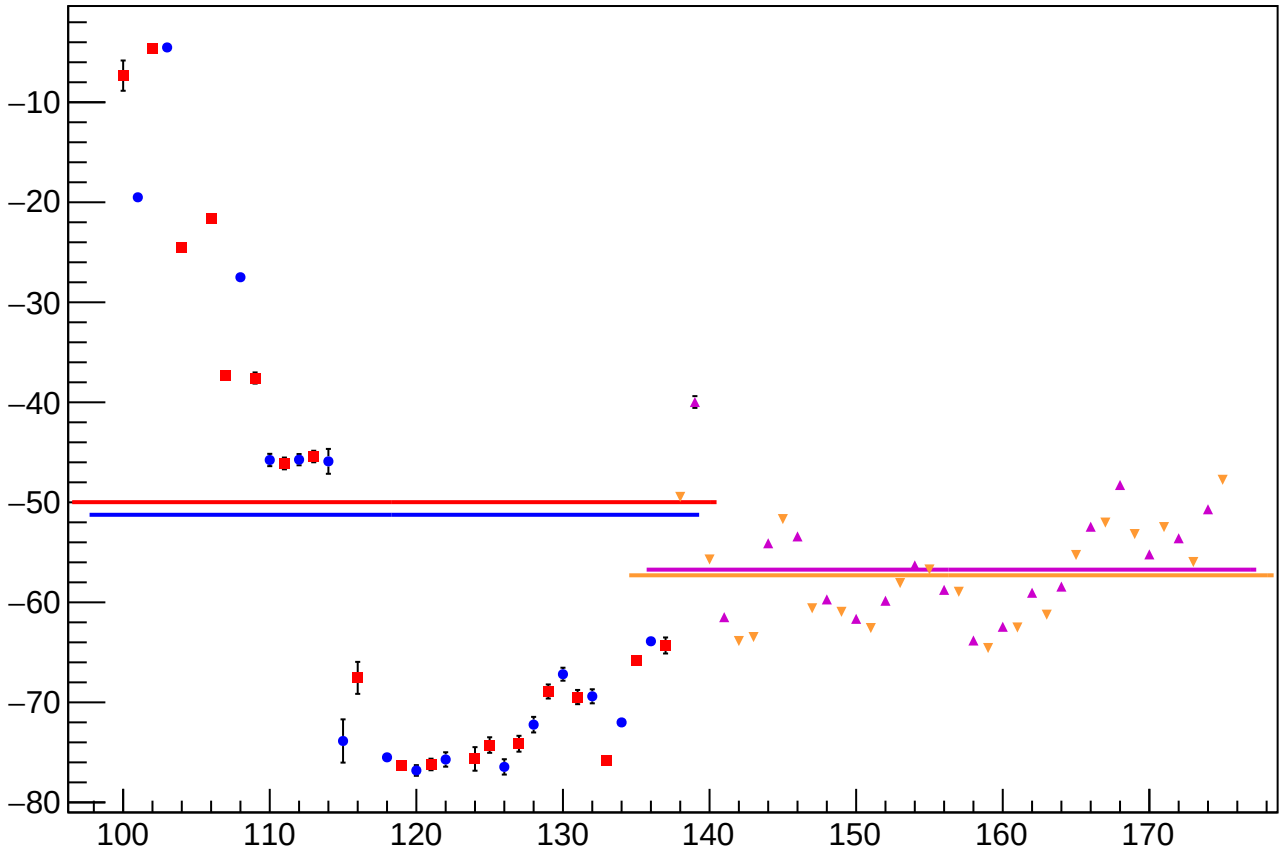
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 8.565+/-0.091 χ^2/NDF:3350.9/17

+ sign 4.267+/-0.070 χ^2/NDF: 19141.7/35

All: 4.483+/-0.050 χ^2/NDF: 39383.2/72

- sign 4.705+/-0.071 χ^2/NDF: 20222.4/36



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -57.296+/-0.073 χ^2/NDF:4596.4/19

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

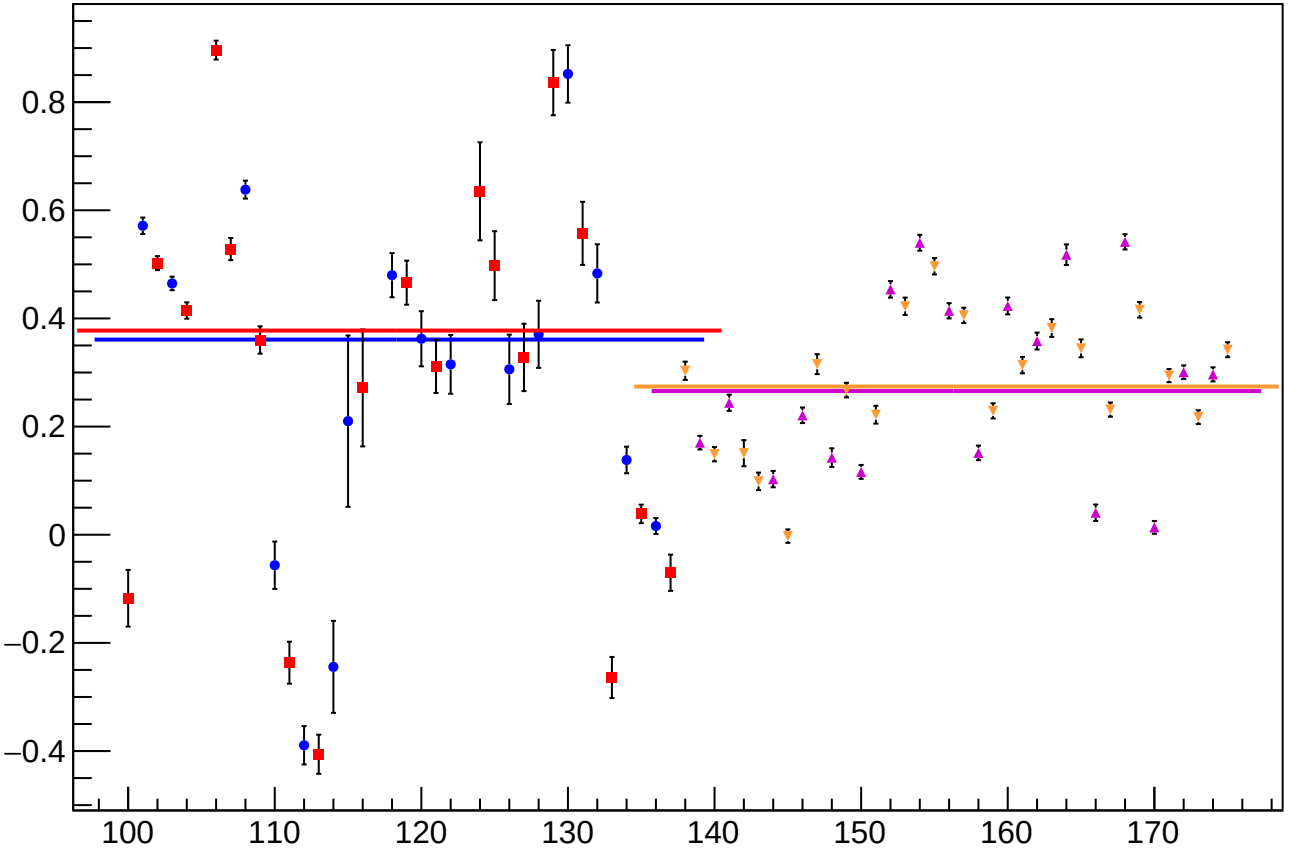
Left In: -56.730+/-0.076 χ^2/NDF:3912.6/17

+ sign -55.948+/-0.064 χ^2/NDF: 39905.1/35

All: -55.495+/-0.046 χ^2/NDF: 79801.6/72

- sign -55.017+/-0.066 χ^2/NDF: 39794.0/36

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.274+/-0.003 χ^2/NDF:1362.8/19

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

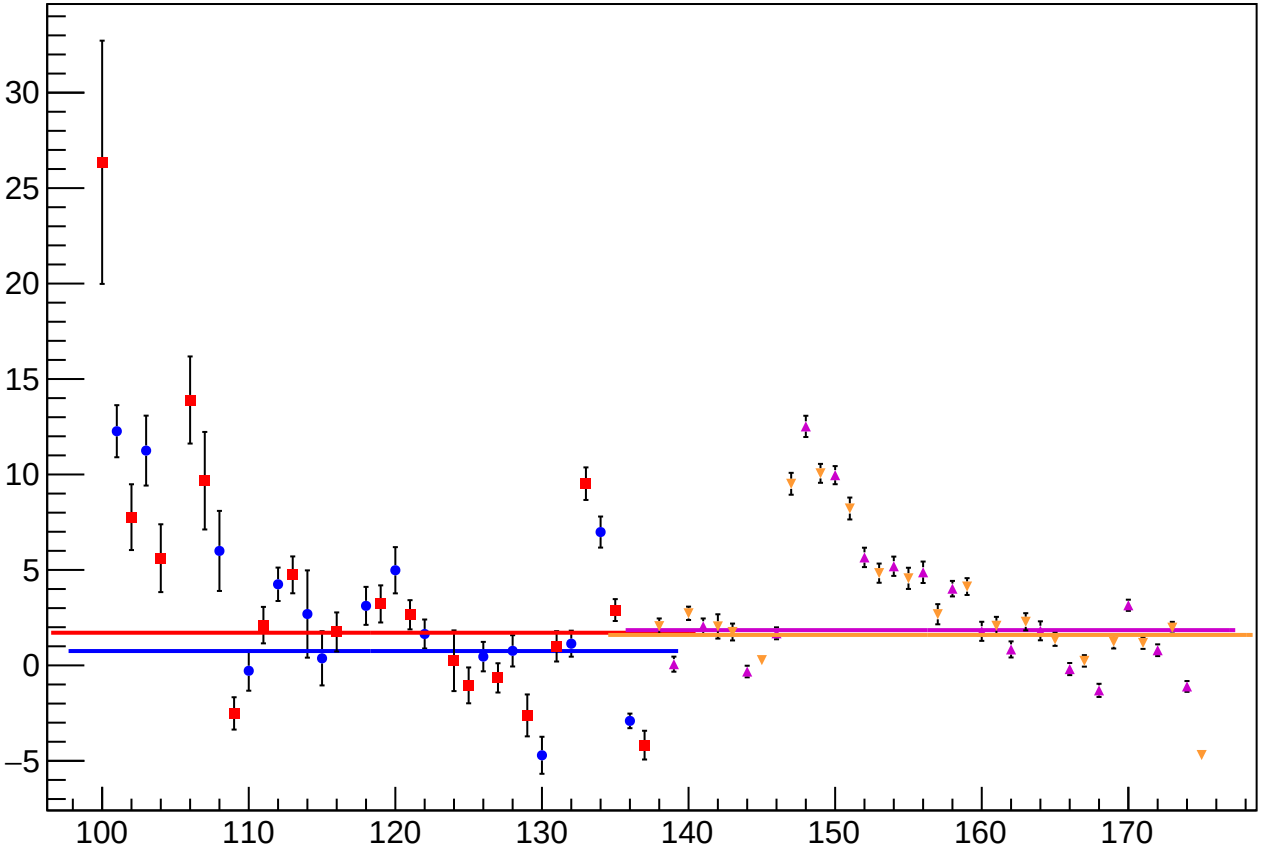
Left In: 0.266+/-0.003 χ^2/NDF:2430.1/17

+ sign 0.292+/-0.003 χ^2/NDF: 3369.6/35

All: 0.292+/-0.002 χ^2/NDF: 8847.6/72

- sign 0.292+/-0.003 χ^2/NDF: 5477.9/36

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 1.595+/-0.086 χ^2/NDF:1408.5/19

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

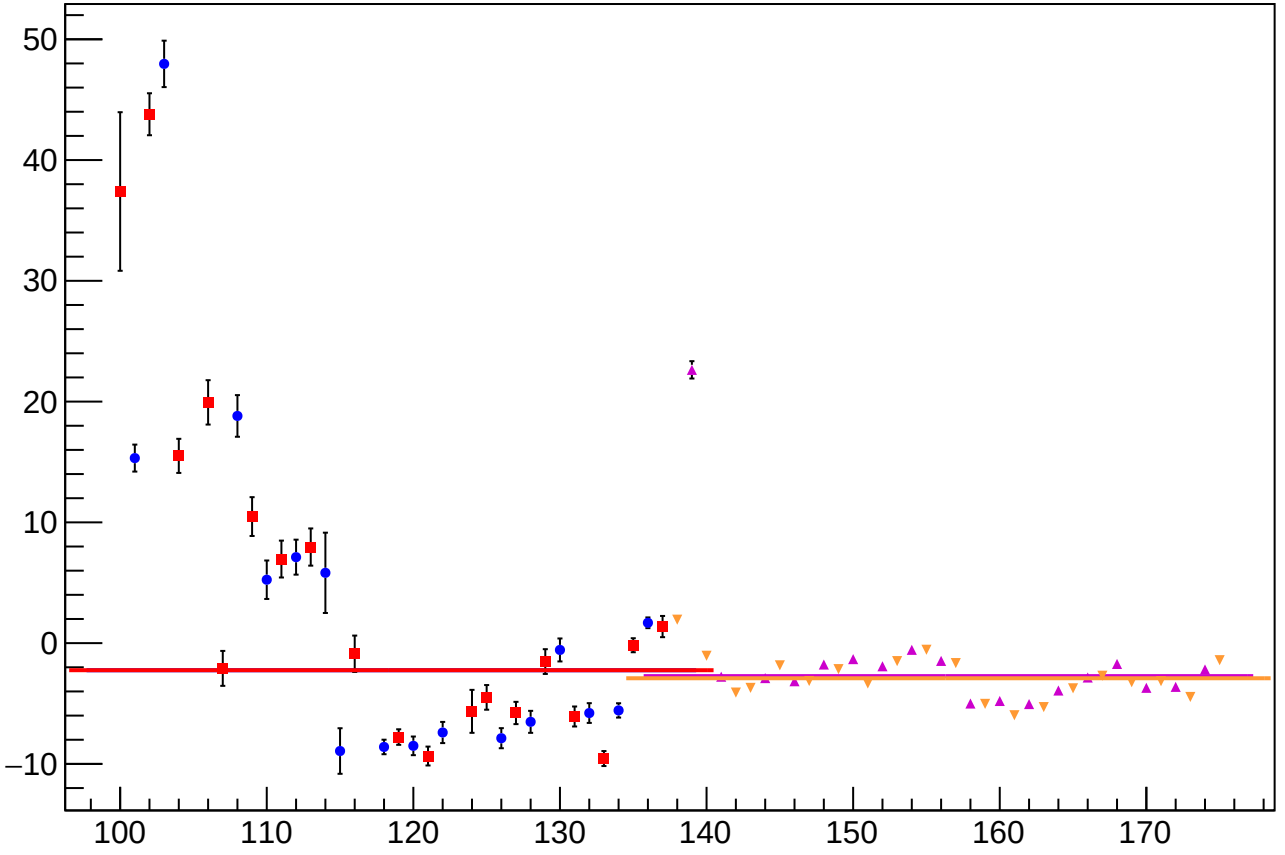
Left In: 1.847+/-0.090 χ^2/NDF:1160.9/17

+ sign 1.477+/-0.080 χ^2/NDF: 1752.1/35

All: 1.645+/-0.057 χ^2/NDF: 3216.5/72

- sign 1.828+/-0.083 χ^2/NDF: 1455.0/36

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: -2.908+/-0.064 χ^2/NDF:604.8/19

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

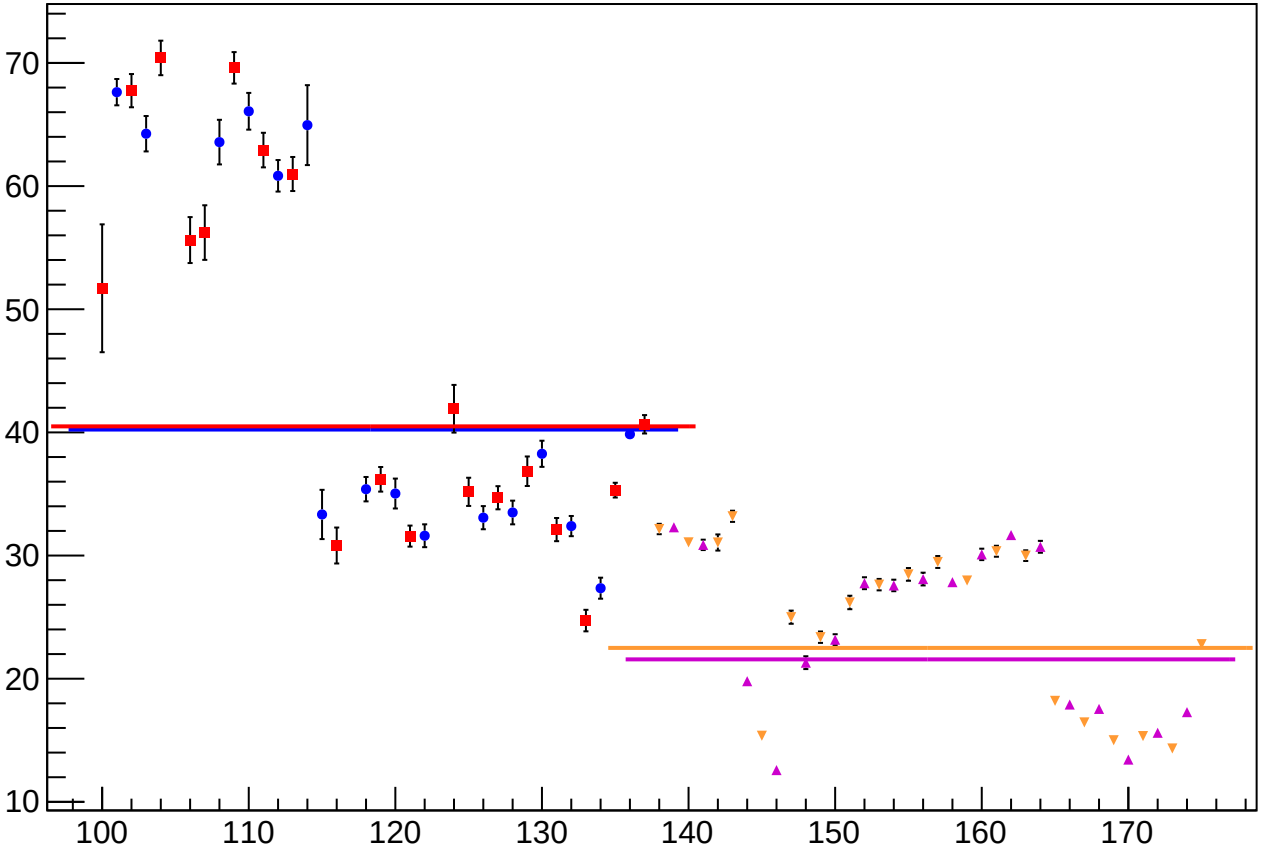
Left In: -2.731+/-0.066 χ^2/NDF:1566.2/17

+ sign -2.855+/-0.061 χ^2/NDF: 2186.0/35

All: -2.777+/-0.044 χ^2/NDF: 5315.4/72

- sign -2.694+/-0.063 χ^2/NDF: 3126.1/36

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 22.501+/-0.085 χ^2/NDF:5990.4/19

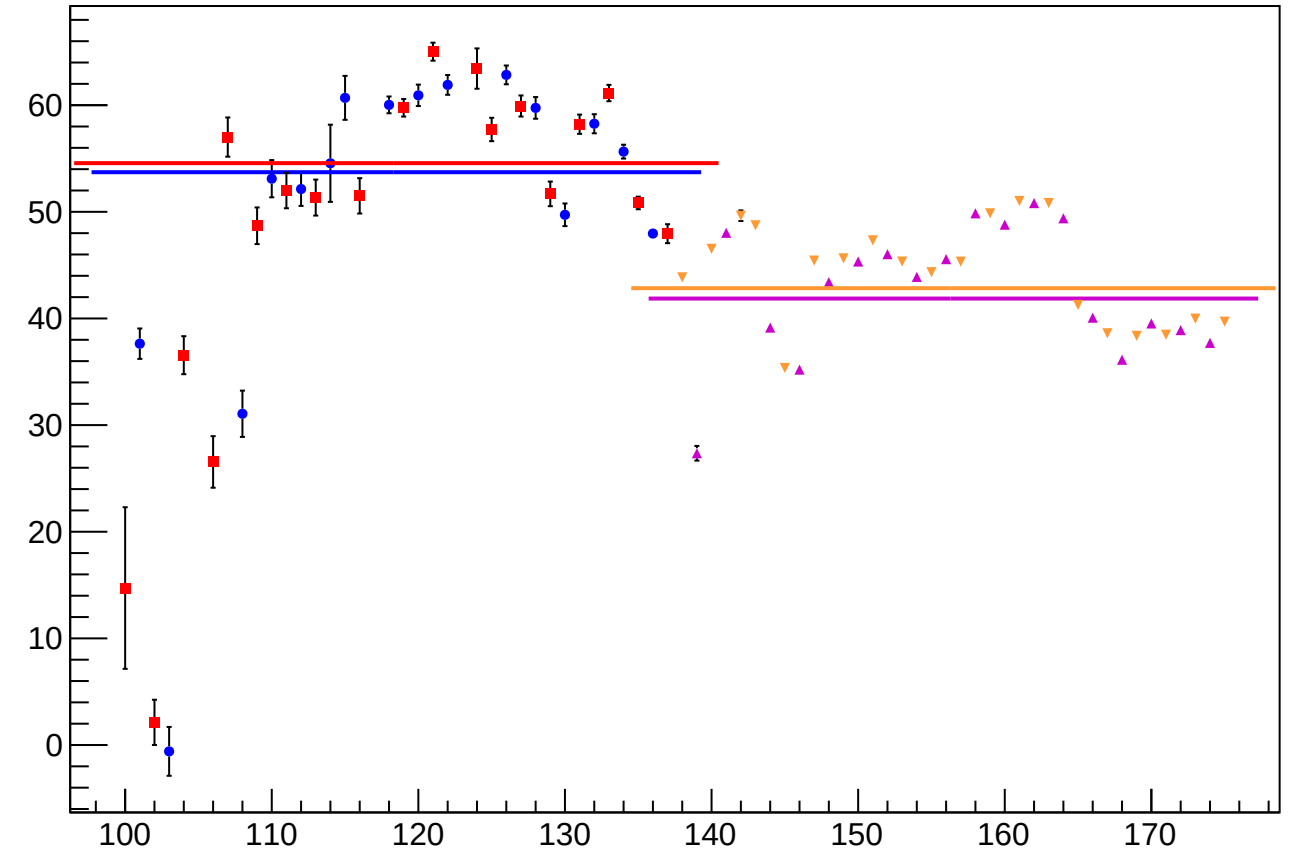
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.569+/-0.089 χ^2/NDF:5773.9/17

+ sign 24.623+/-0.080 χ^2/NDF: 13448.6/35

All: 24.177+/-0.058 χ^2/NDF: 27054.5/72

- sign 23.688+/-0.084 χ^2/NDF: 13540.8/36



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 42.839+/-0.072 χ^2/NDF:4584.7/19

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

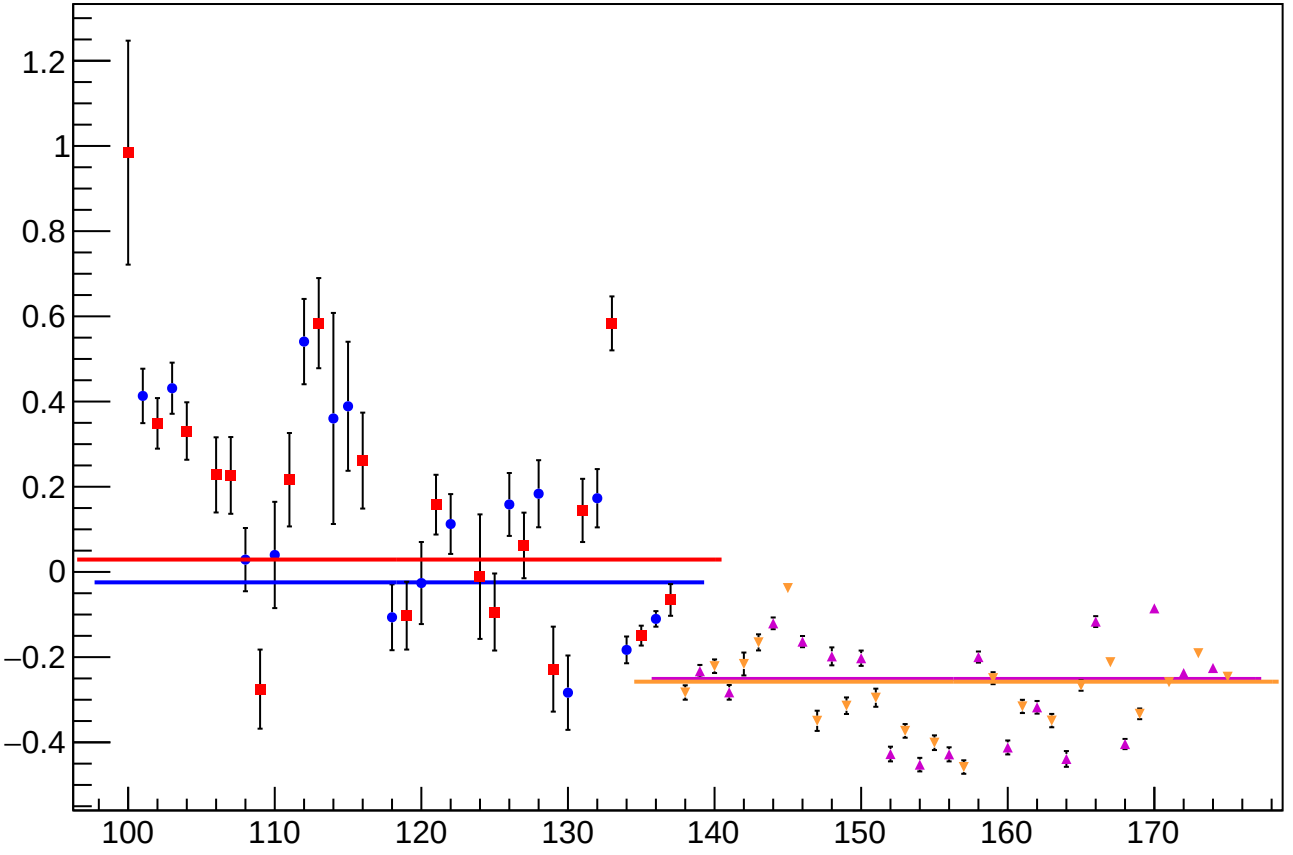
Left In: 41.867+/-0.074 χ^2/NDF:4997.1/17

\+ sign 43.738+/-0.069 χ^2/NDF: 7847.0/35

All: 43.312+/-0.049 χ^2/NDF: 16533.4/72

\- sign 42.853+/-0.071 χ^2/NDF: 8606.7/36

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.258+/-0.003 χ^2/NDF:894.2/19

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

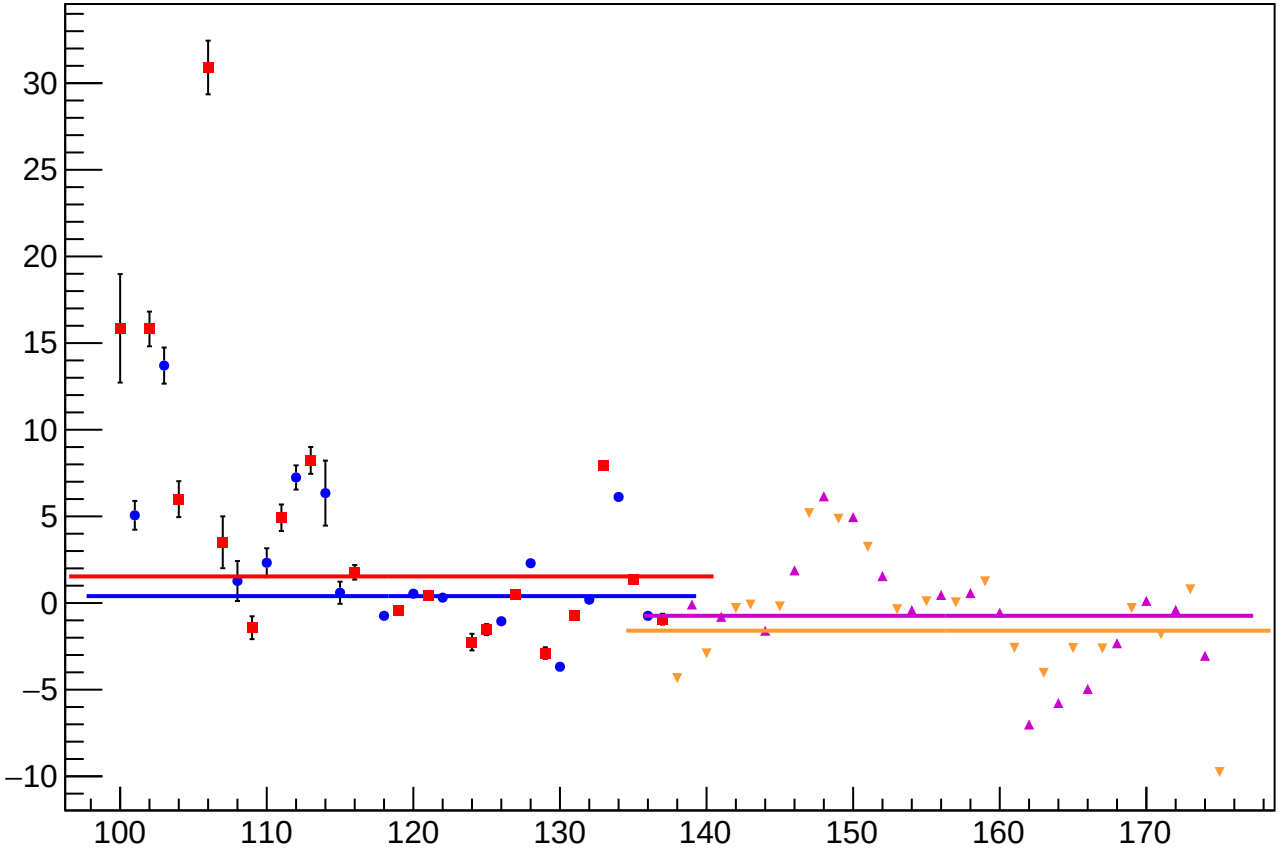
Left In: -0.251+/-0.003 χ^2/NDF:1316.5/17

+ sign -0.244+/-0.003 χ^2/NDF: 1435.9/35

All: -0.240+/-0.002 χ^2/NDF: 3398.5/72

- sign -0.237+/-0.003 χ^2/NDF: 1960.4/36

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -1.596+/-0.033 χ^2/NDF:12567.8/19

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

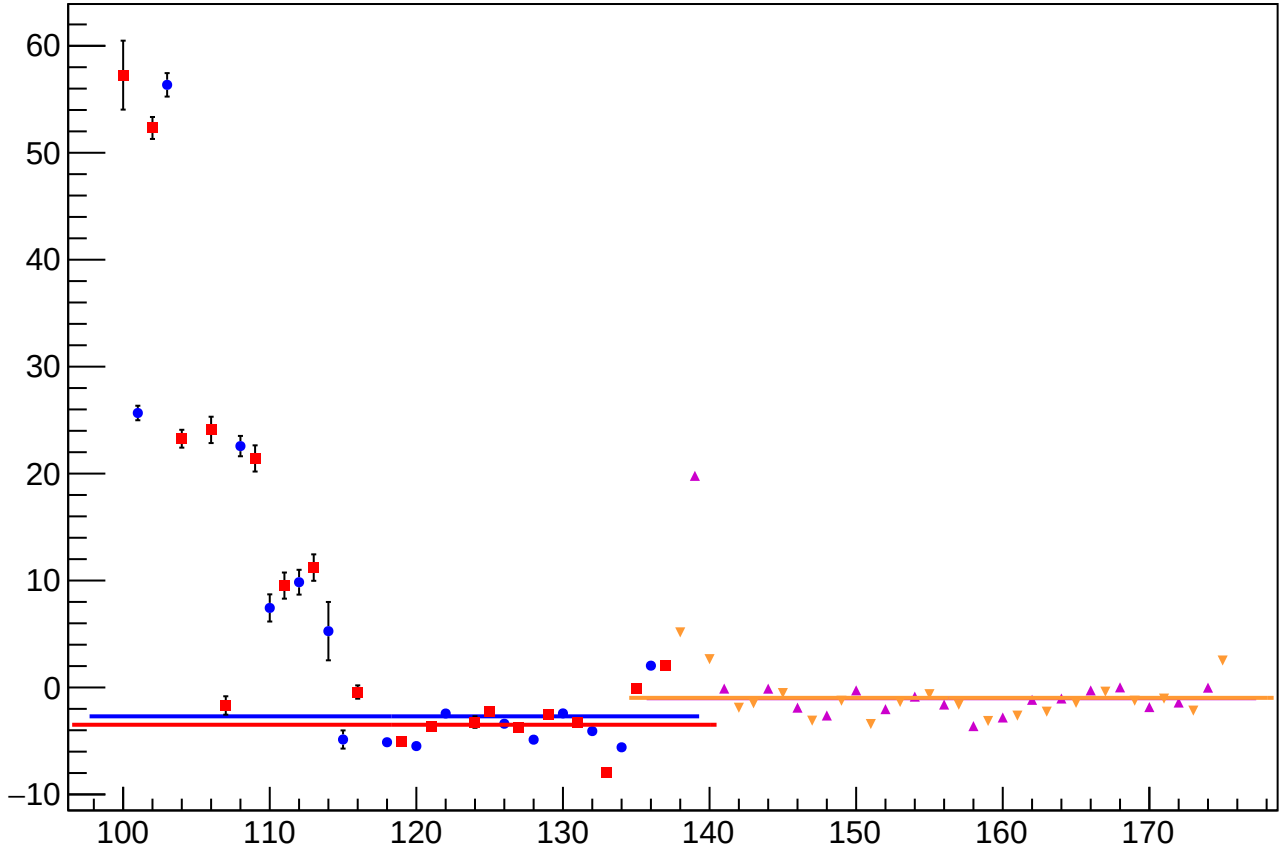
Left In: -0.737+/-0.034 χ^2/NDF:7119.1/17

+ sign -1.290+/-0.030 χ^2/NDF: 14231.9/35

All: -0.848+/-0.022 χ^2/NDF: 24917.4/72

- sign -0.376+/-0.031 χ^2/NDF: 10240.9/36

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.970+/-0.024 χ^2/NDF:5922.0/19

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

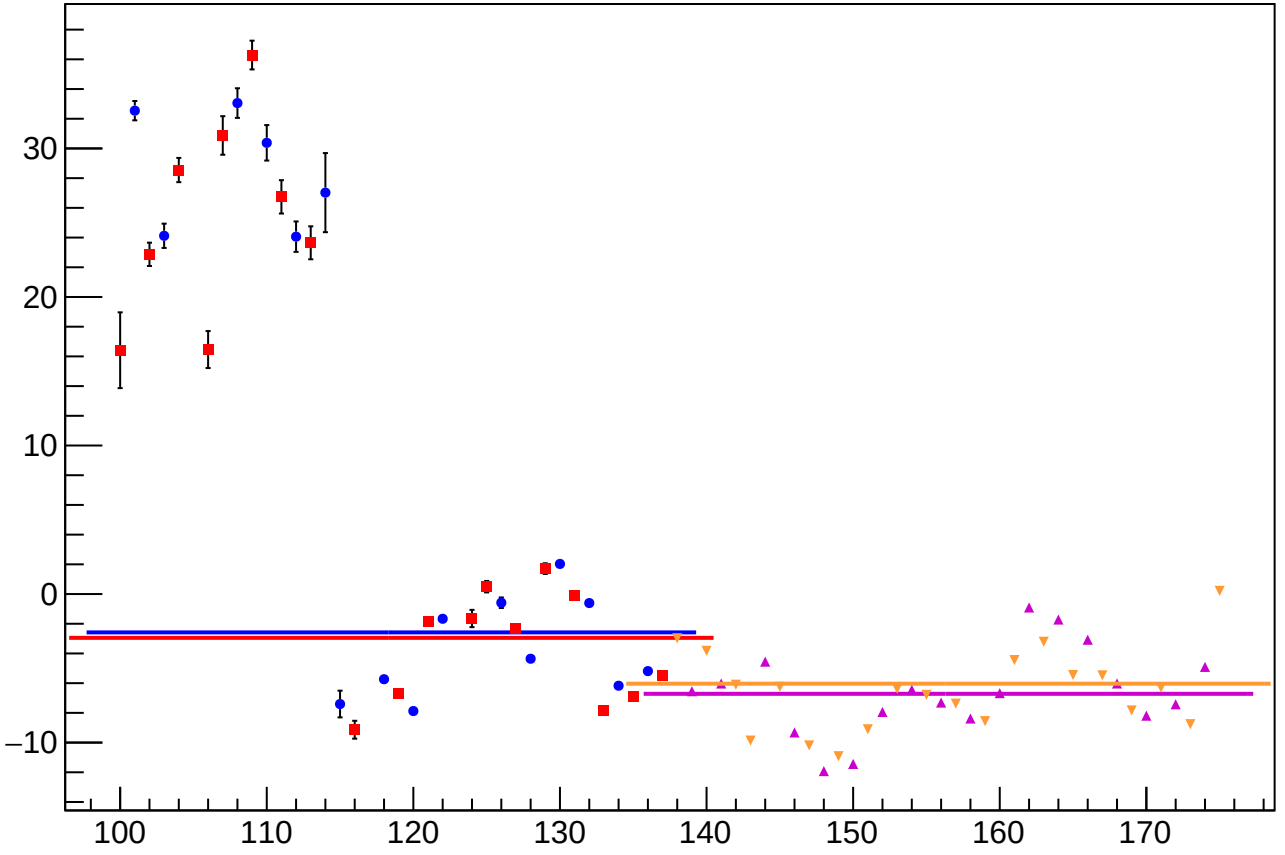
Left In: -1.007+/-0.025 χ^2/NDF:8451.9/17

+ sign -1.152+/-0.023 χ^2/NDF: 13560.4/35

All: -1.215+/-0.016 χ^2/NDF: 30275.9/72

- sign -1.281+/-0.024 χ^2/NDF: 16700.1/36

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.035+/-0.033 χ^2/NDF:8548.1/19

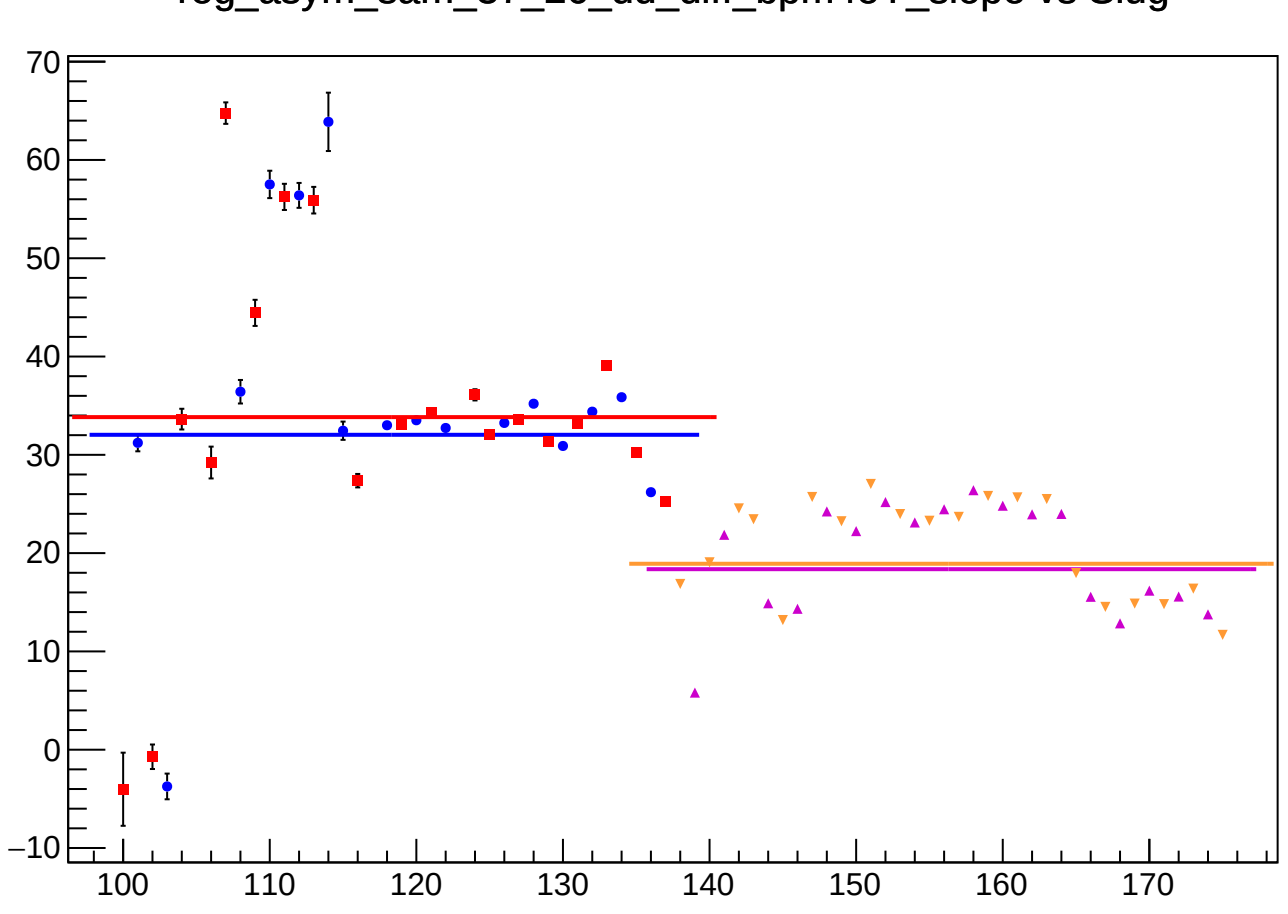
Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -6.717+/-0.034 χ^2/NDF:6007.1/17

+ sign -5.574+/-0.030 χ^2/NDF: 18204.9/35

All: -5.878+/-0.022 χ^2/NDF: 34315.0/72

- sign -6.202+/-0.031 χ^2/NDF: 15903.3/36



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 18.918+/-0.028 χ^2/NDF:34738.6/19

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

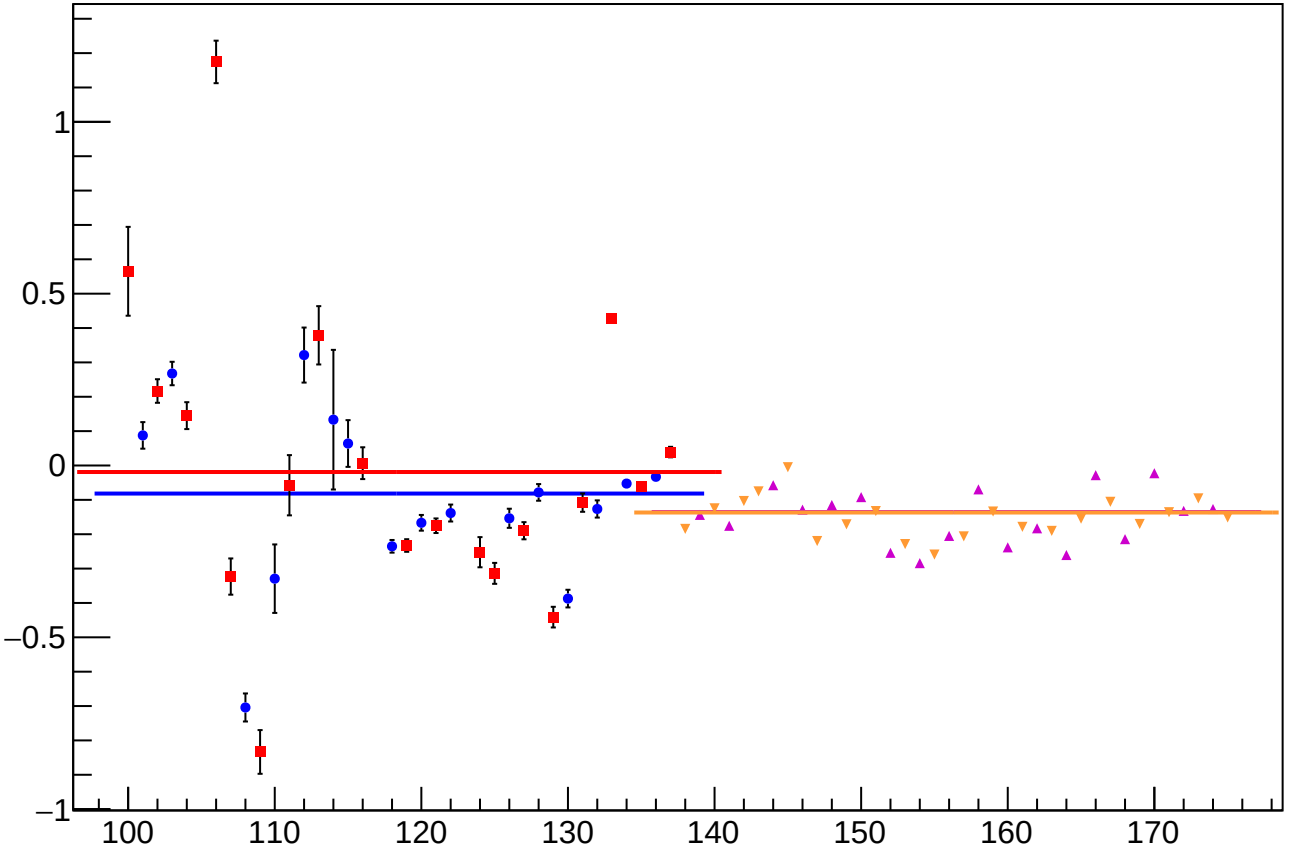
Left In: 18.366+/-0.028 χ^2/NDF:28820.9/17

+ sign 20.268+/-0.026 χ^2/NDF: 61365.1/35

All: 20.156+/-0.019 χ^2/NDF: 126509.9/72

- sign 20.038+/-0.027 χ^2/NDF: 65107.0/36

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.137+/-0.001 χ^2/NDF:2369.2/19

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

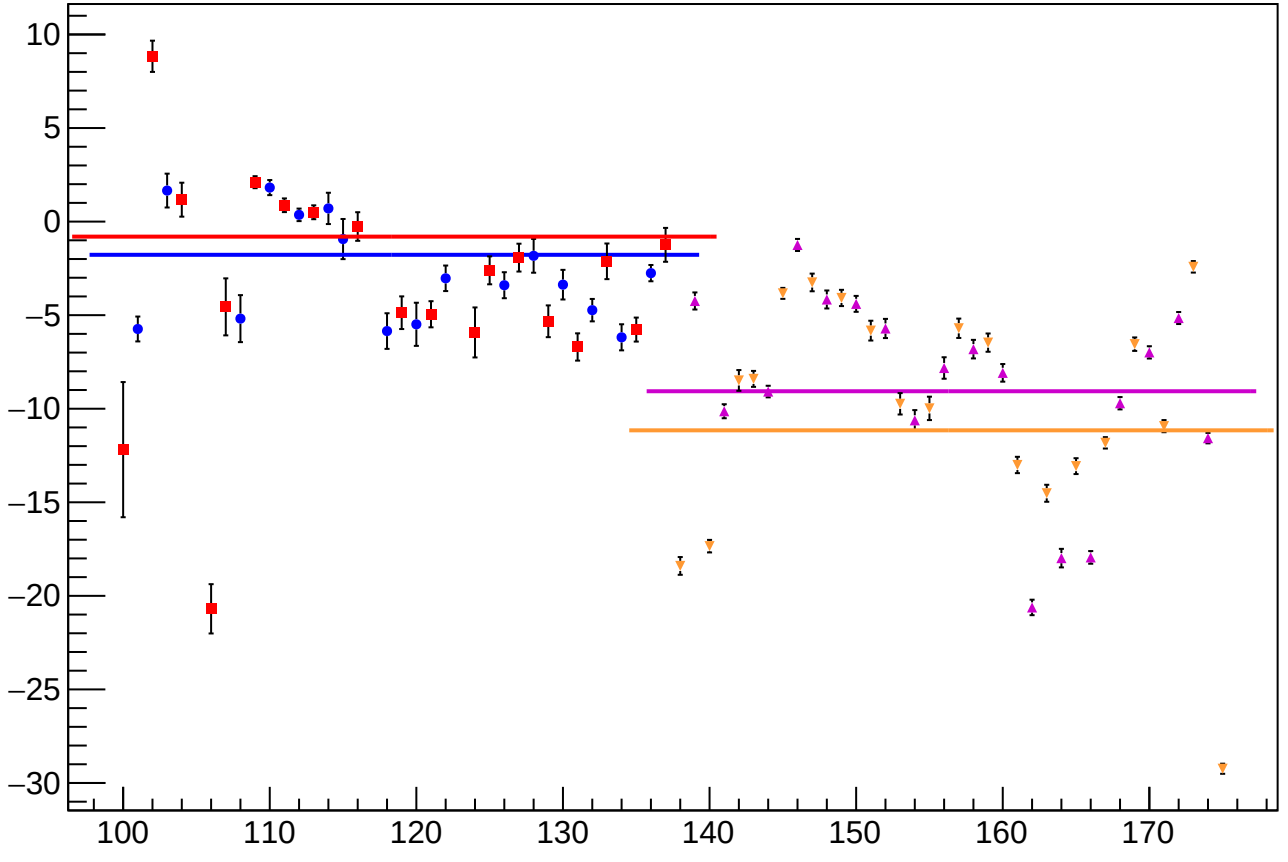
Left In: -0.135+/-0.001 χ^2/NDF:3563.8/17

+ sign -0.133+/-0.001 χ^2/NDF: 3180.7/35

All: -0.131+/-0.001 χ^2/NDF: 9498.6/72

- sign -0.129+/-0.001 χ^2/NDF: 6311.0/36

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -11.155+/-0.088 χ^2/NDF:7658.0/19

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

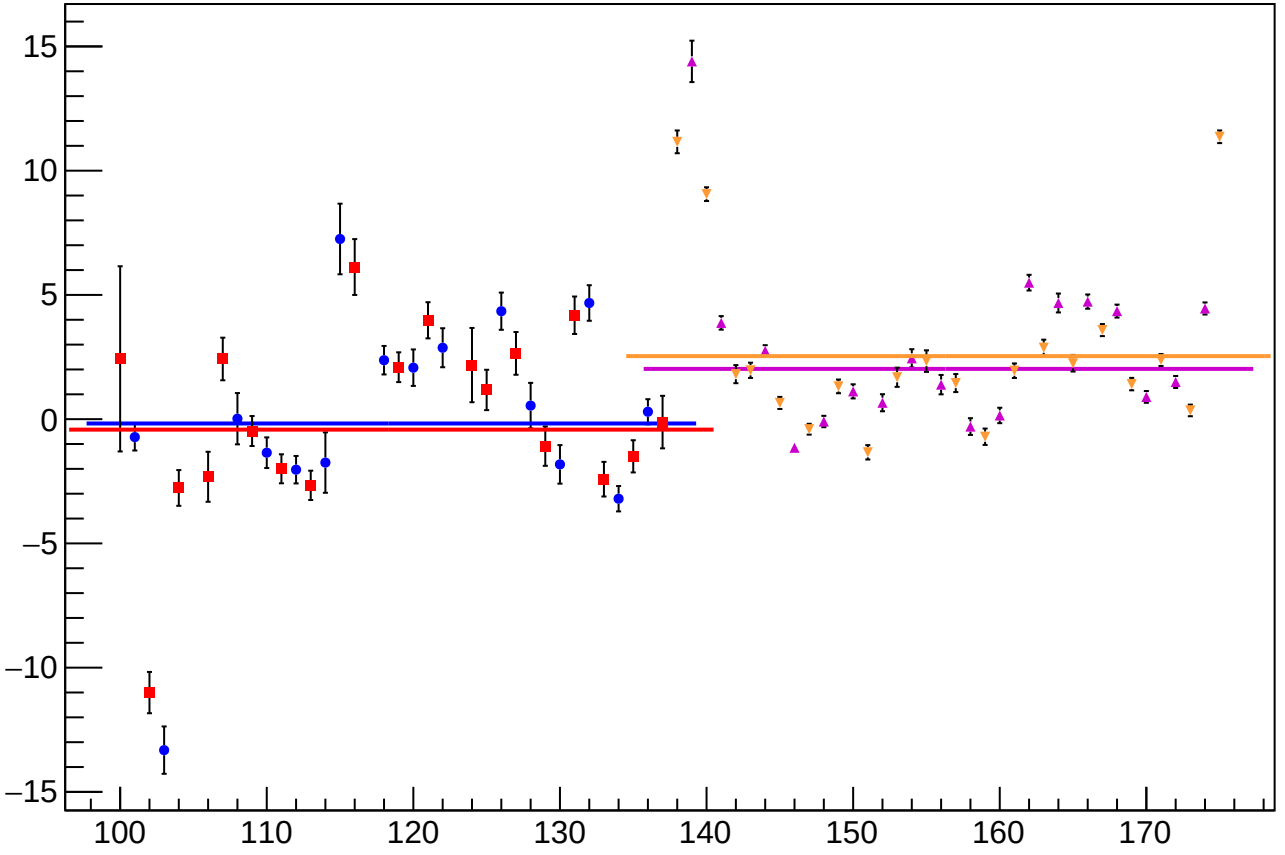
Left In: -9.066+/-0.091 χ^2/NDF:3078.1/17

+ sign -8.906+/-0.077 χ^2/NDF: 10665.1/35

All: -7.863+/-0.055 χ^2/NDF: 17100.5/72

- sign -6.799+/-0.078 χ^2/NDF: 6063.7/36

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.537+/-0.064 χ^2/NDF:2797.4/19

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

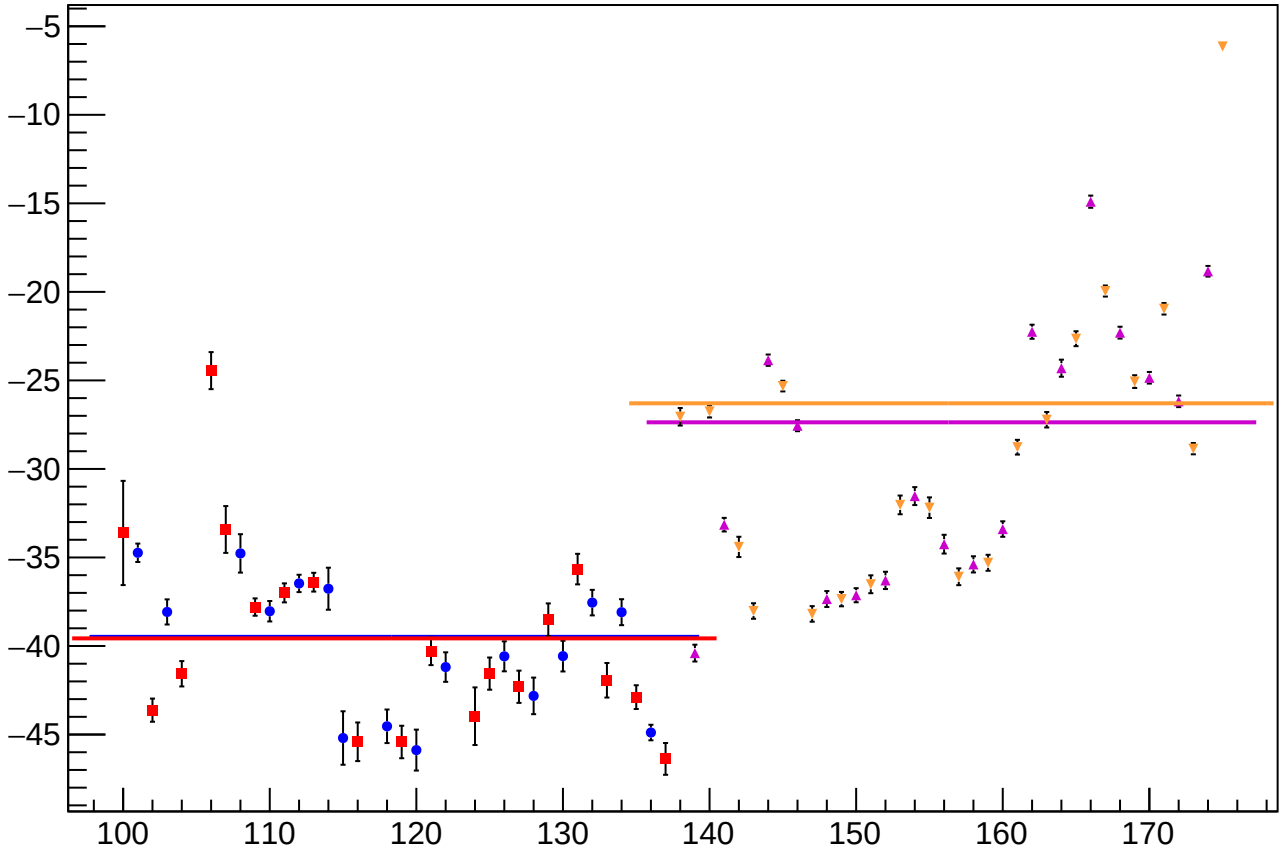
Left In: 2.023+/-0.066 χ^2/NDF:1207.6/17

+ sign 2.208+/-0.060 χ^2/NDF: 3416.3/35

All: 1.973+/-0.043 χ^2/NDF: 5188.6/72

- sign 1.725+/-0.062 χ^2/NDF: 1741.0/36

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -26.293+/-0.088 χ^2/NDF:10273.7/19

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

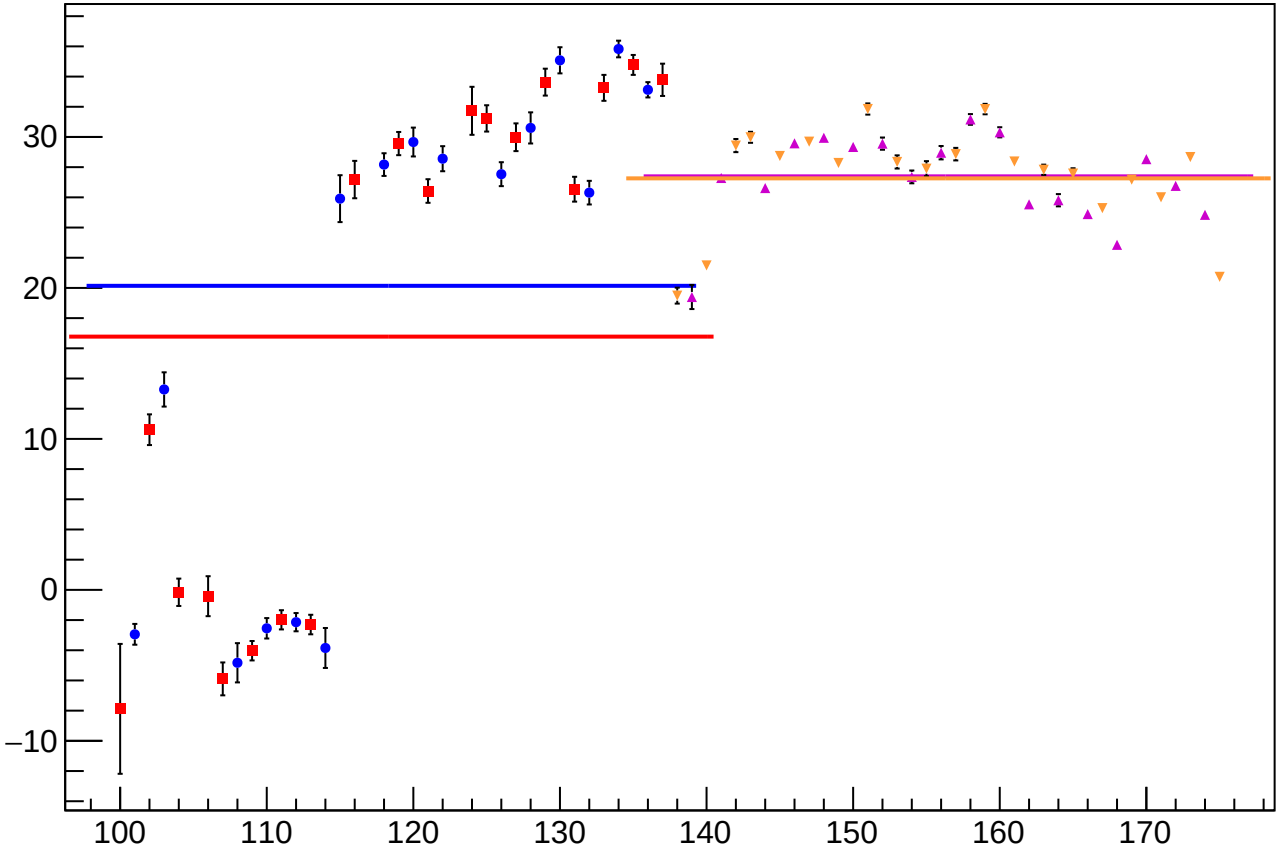
Left In: -27.367+/-0.091 χ^2/NDF:5872.8/17

\+ sign -28.815+/-0.079 χ^2/NDF: 15015.5/35

All: -29.300+/-0.056 χ^2/NDF: 25154.6/72

\- sign -29.814+/-0.081 χ^2/NDF: 10061.1/36

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.258+/-0.073 χ^2/NDF:1775.8/19

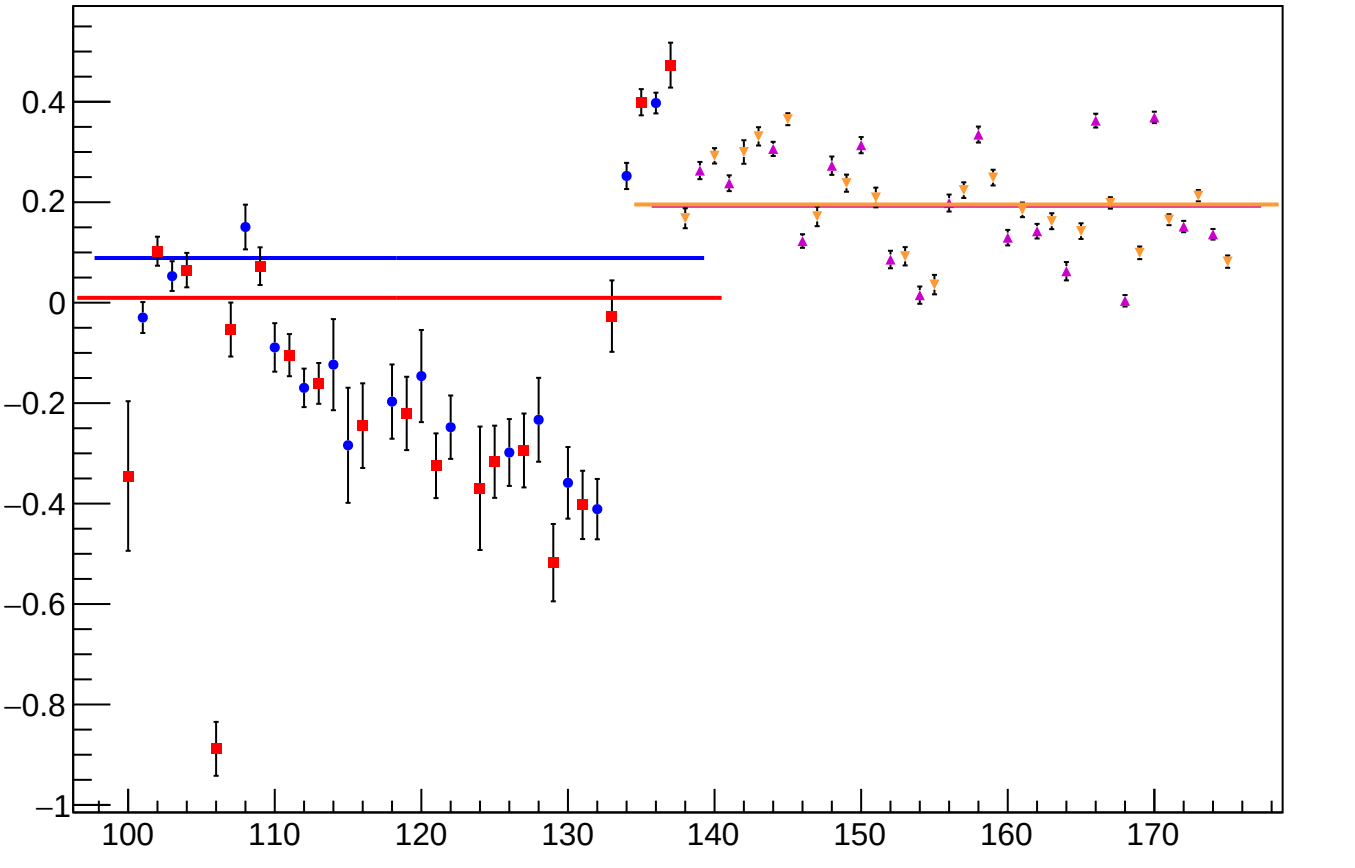
Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 27.391+/-0.075 χ^2/NDF:981.2/17

+ sign 26.379+/-0.068 χ^2/NDF: 9631.7/35

All: 26.228+/-0.049 χ^2/NDF: 19835.8/72

- sign 26.068+/-0.070 χ^2/NDF: 10194.0/36



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.195+/-0.003 χ^2/NDF:612.7/19

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

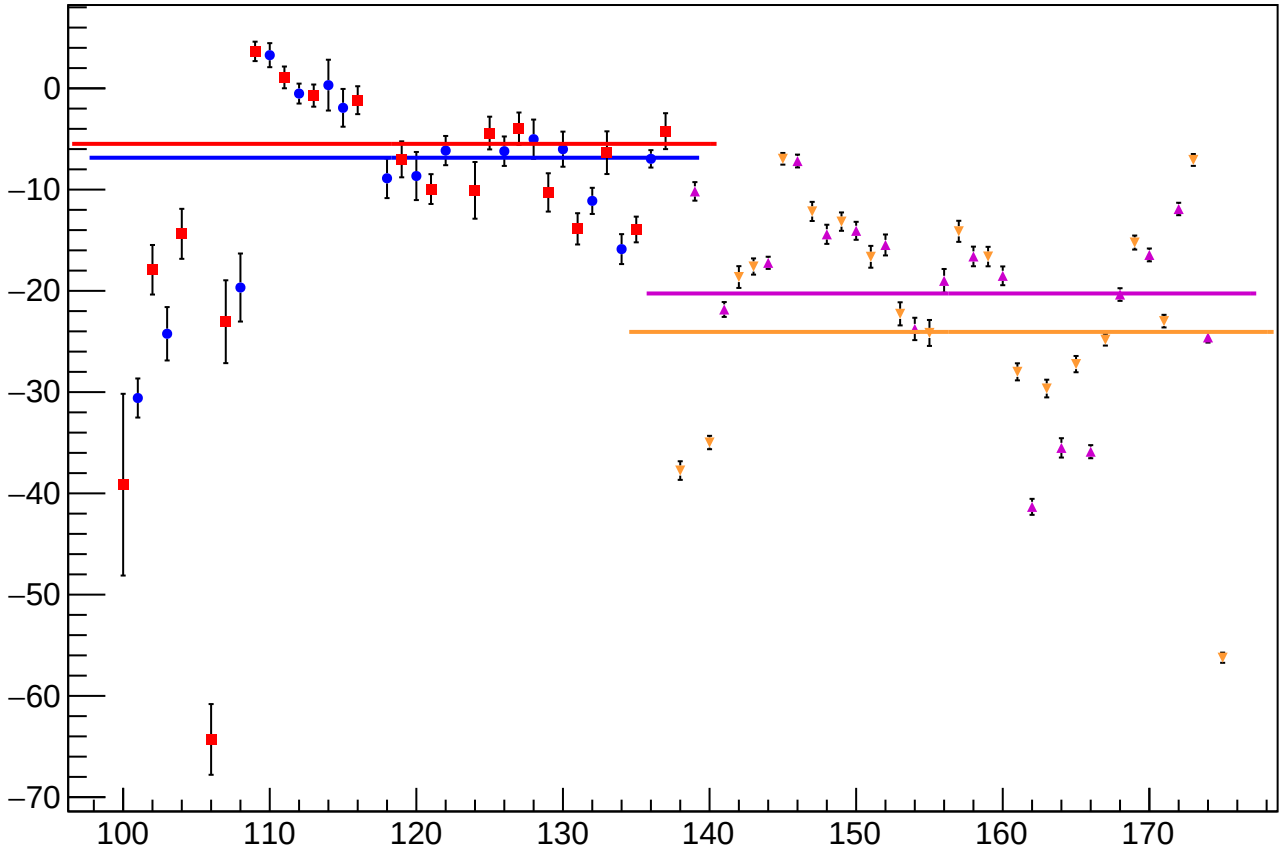
Left In: 0.193+/-0.003 χ^2/NDF:1202.1/17

+ sign 0.186+/-0.003 χ^2/NDF: 1271.7/35

All: 0.182+/-0.002 χ^2/NDF: 3565.5/72

- sign 0.177+/-0.003 χ^2/NDF: 2290.4/36

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -24.054+/-0.171 χ^2/NDF:7138.2/19

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

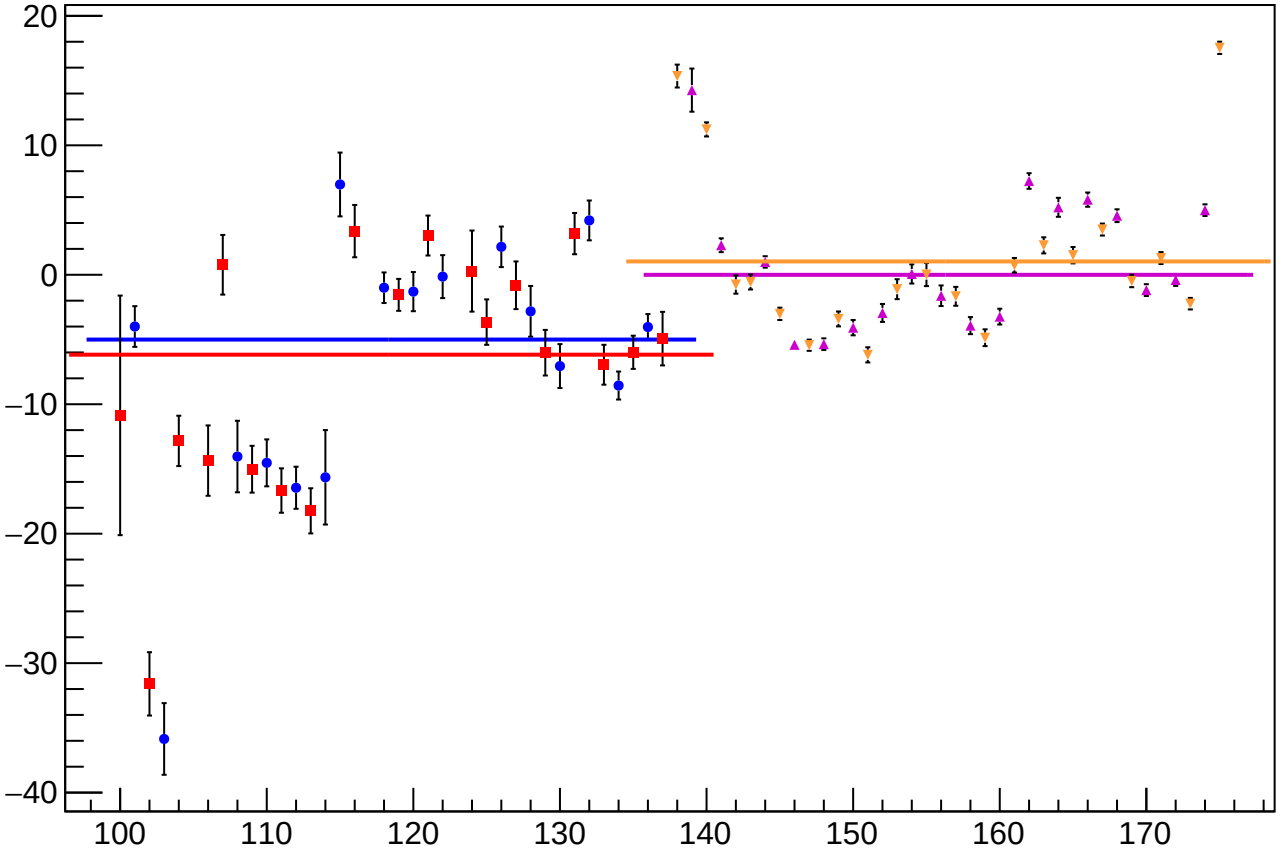
Left In: -20.258+/-0.177 χ^2/NDF:2553.0/17

+ sign -21.102+/-0.156 χ^2/NDF: 9265.6/35

All: -19.344+/-0.111 χ^2/NDF: 13990.6/72

- sign -17.496+/-0.160 χ^2/NDF: 4463.3/36

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 1.032+/-0.125 χ^2/NDF:2543.9/19

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

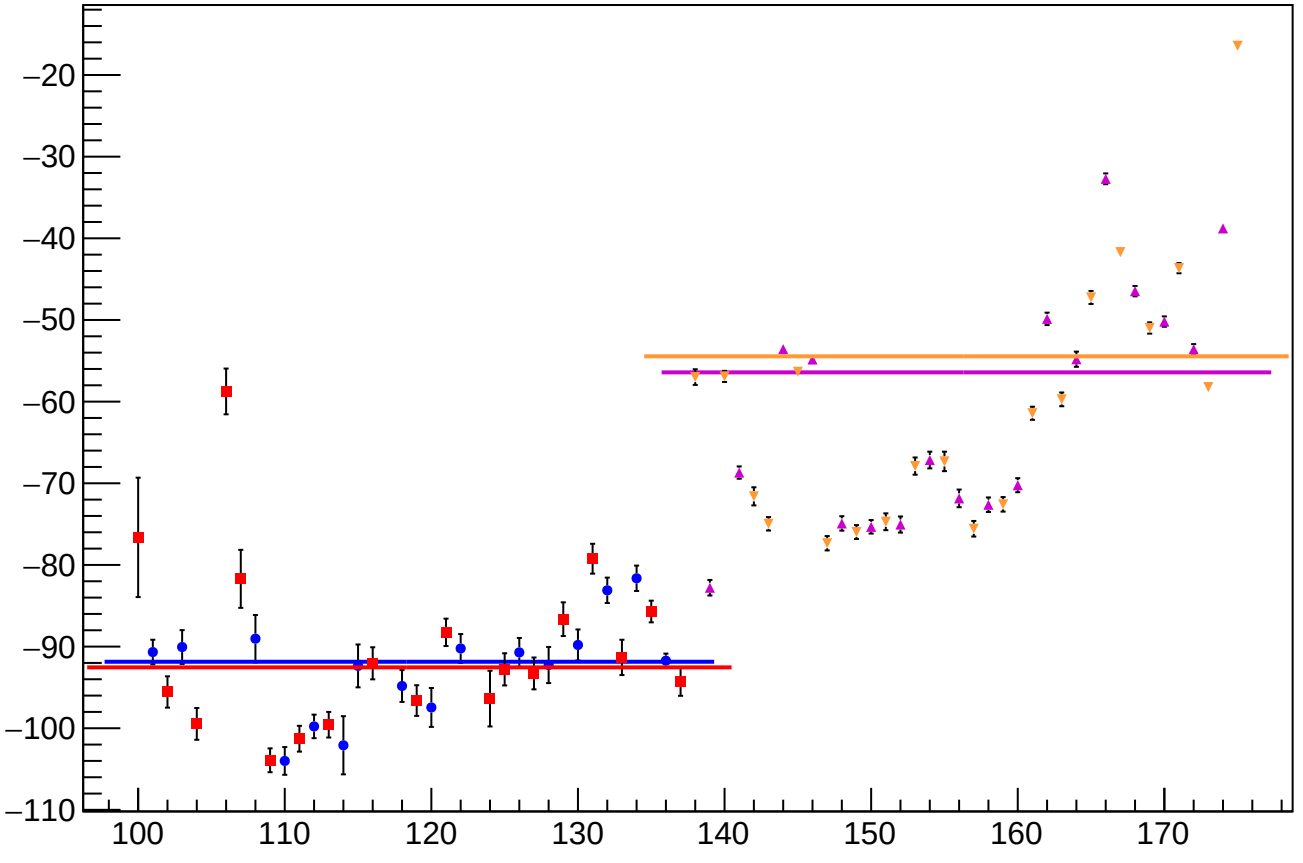
Left In: -0.004+/-0.128 χ^2/NDF:1102.0/17

+ sign 0.482+/-0.119 χ^2/NDF: 3097.6/35

All: -0.014+/-0.085 χ^2/NDF: 4804.6/72

- sign -0.539+/-0.123 χ^2/NDF: 1671.4/36

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -54.452+/-0.170 χ^2/NDF:10489.4/19

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

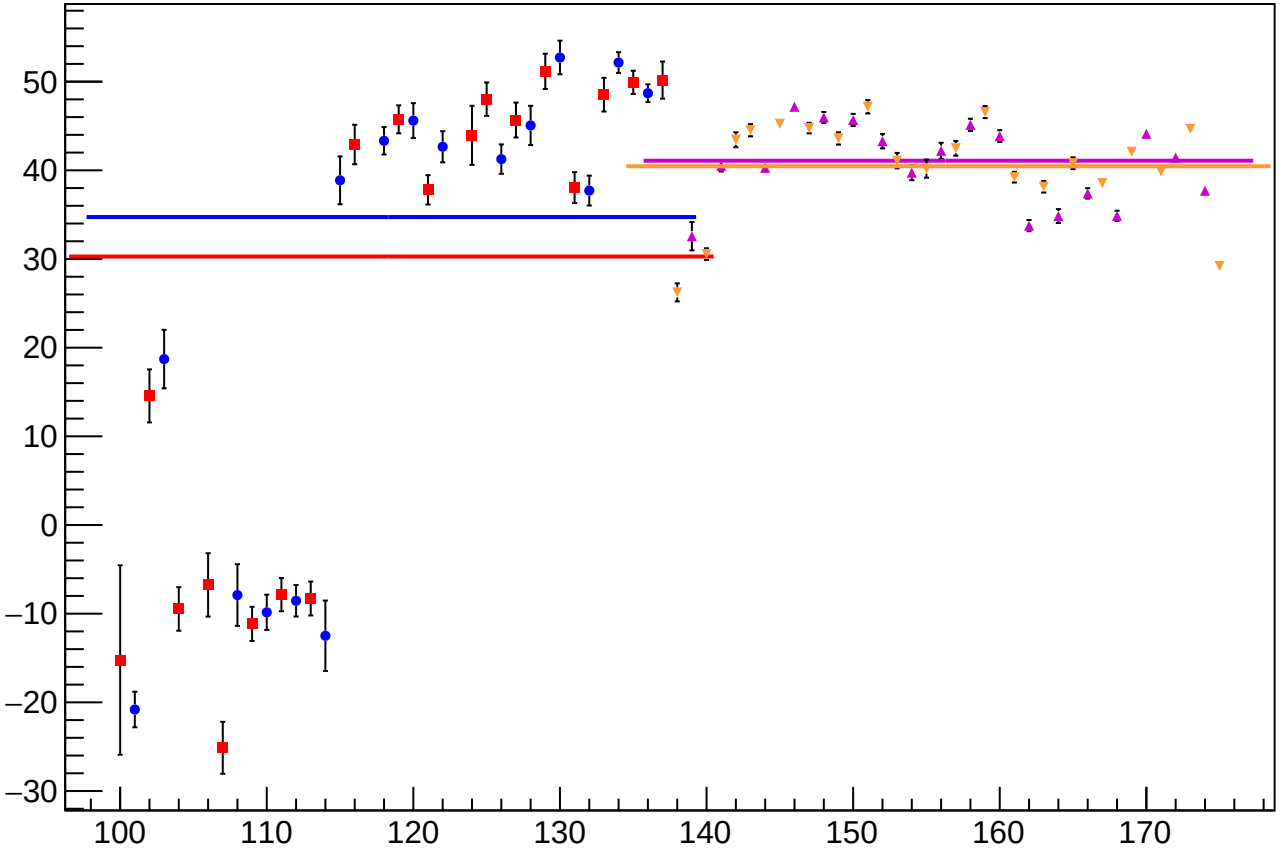
Left In: -56.417+/-0.176 χ^2/NDF:6002.0/17

+ sign -59.634+/-0.158 χ^2/NDF: 17369.4/35

All: -60.496+/-0.114 χ^2/NDF: 29648.7/72

- sign -61.421+/-0.163 χ^2/NDF: 12217.5/36

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 40.458+/-0.142 χ^2/NDF:1419.6/19

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

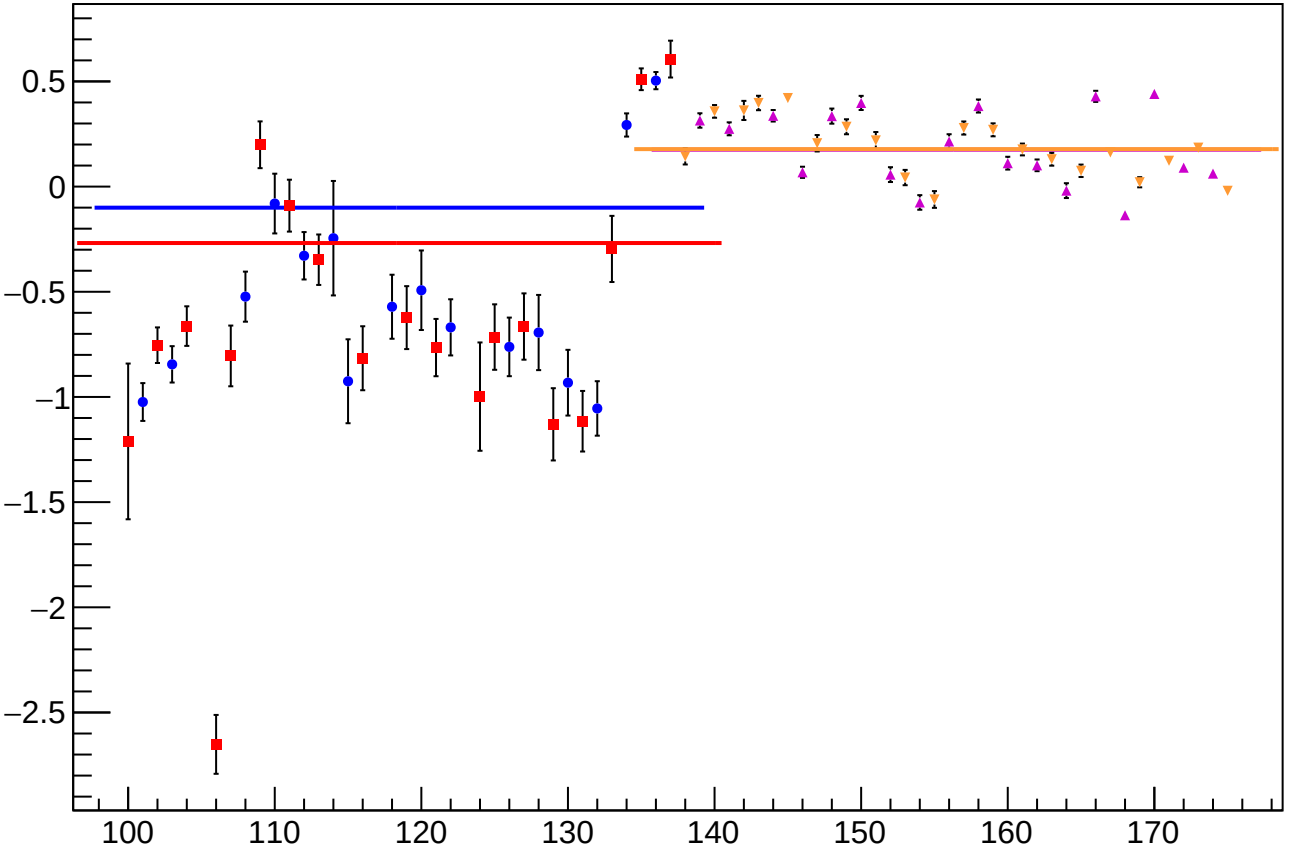
Left In: 41.084+/-0.146 χ^2/NDF:812.7/17

+ sign 39.922+/-0.135 χ^2/NDF: 4381.0/35

All: 40.018+/-0.097 χ^2/NDF: 8593.2/72

- sign 40.120+/-0.140 χ^2/NDF: 4211.1/36

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.178+/-0.006 χ^2/NDF:418.9/19

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

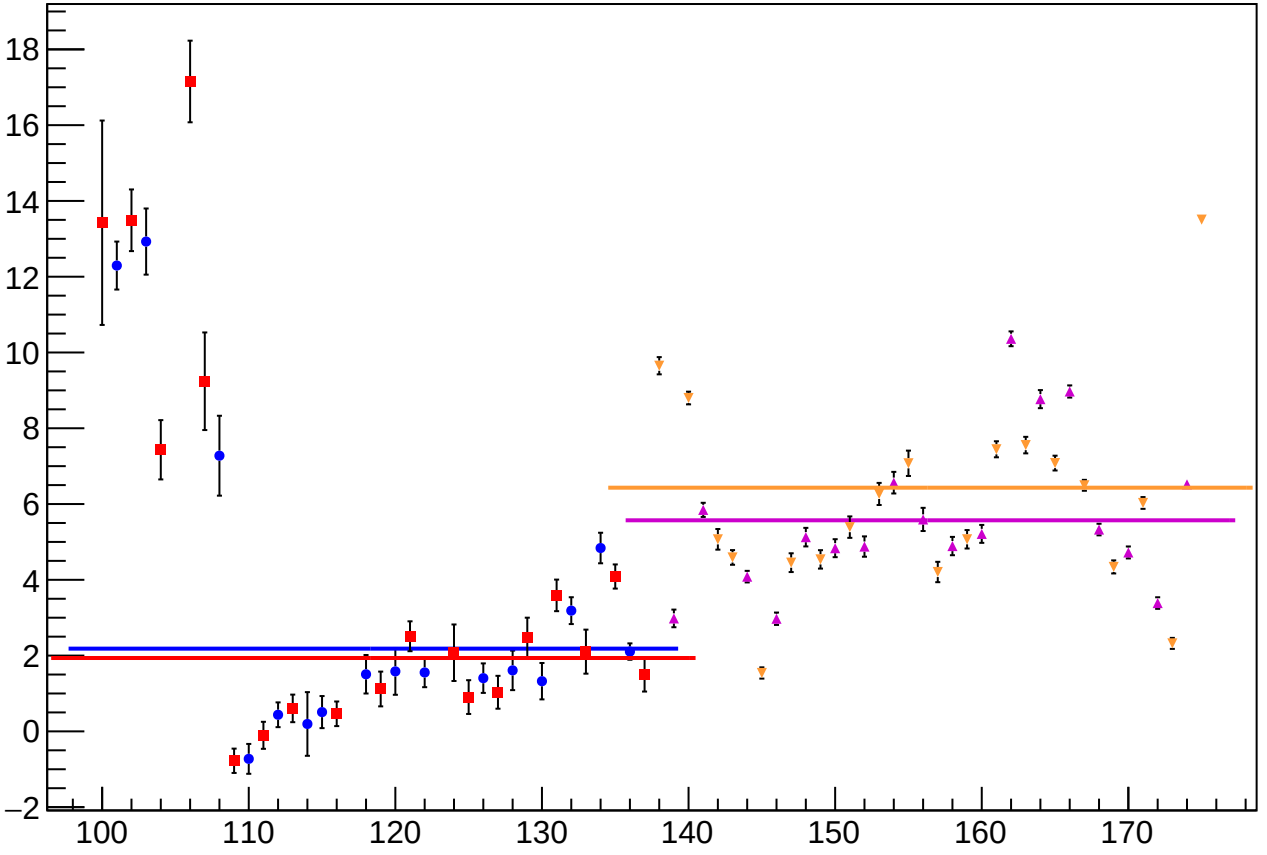
Left In: 0.175+/-0.007 χ^2/NDF:786.6/17

+ sign 0.159+/-0.006 χ^2/NDF: 1175.6/35

All: 0.155+/-0.004 χ^2/NDF: 3053.0/72

- sign 0.150+/-0.006 χ^2/NDF: 1876.2/36

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: 6.432+/-0.043 χ^2/NDF:6283.7/19

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

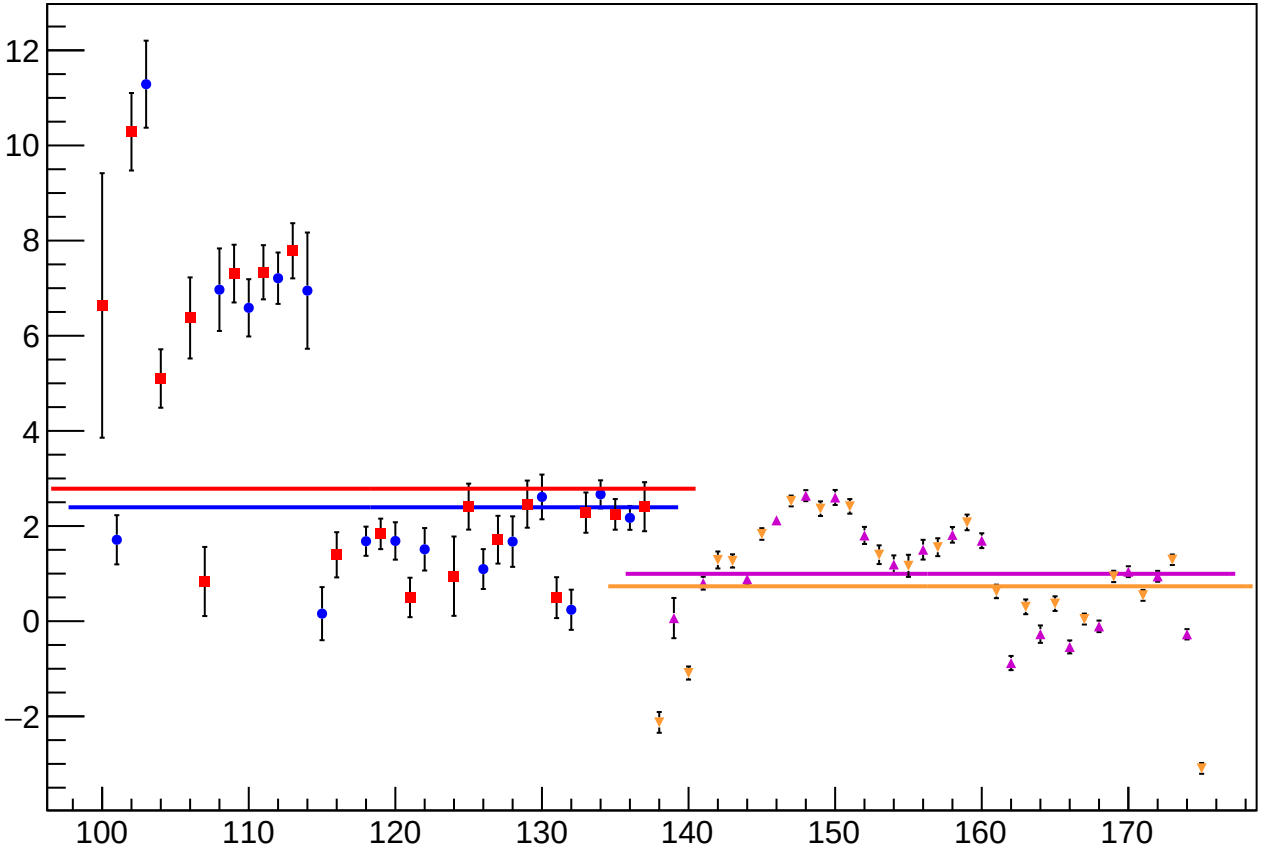
Left In: 5.571+/-0.044 χ^2/NDF:2036.8/17

+ sign 5.826+/-0.040 χ^2/NDF: 8286.9/35

All: 5.438+/-0.028 χ^2/NDF: 12247.8/72

- sign 5.023+/-0.041 χ^2/NDF: 3762.3/36

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 0.733+/-0.031 χ^2/NDF:2242.9/19

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

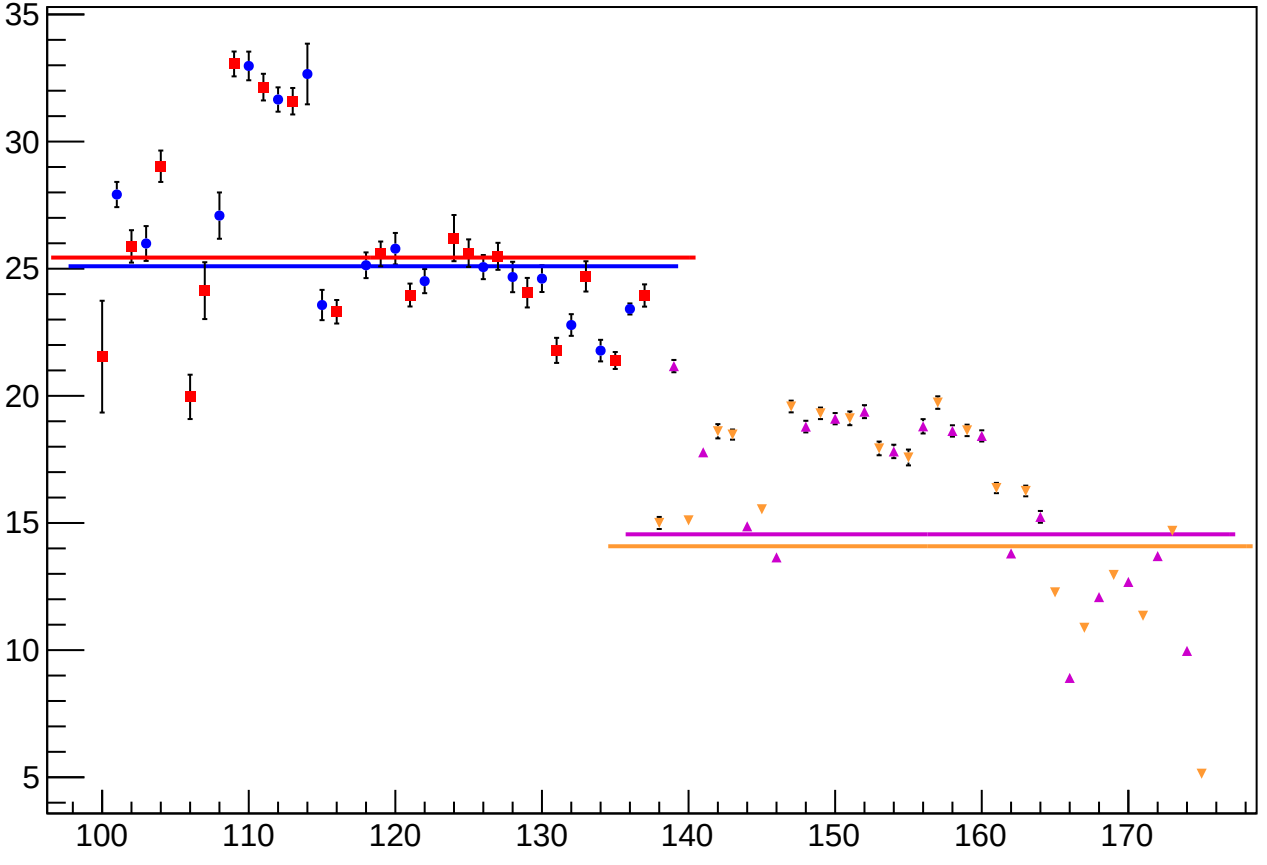
Left In: 0.996+/-0.032 χ^2/NDF:1078.0/17

+ sign 0.863+/-0.030 χ^2/NDF: 2793.6/35

All: 0.990+/-0.022 χ^2/NDF: 4540.1/72

- sign 1.125+/-0.031 χ^2/NDF: 1710.1/36

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 14.085+/-0.043 χ^2/NDF:10224.1/19

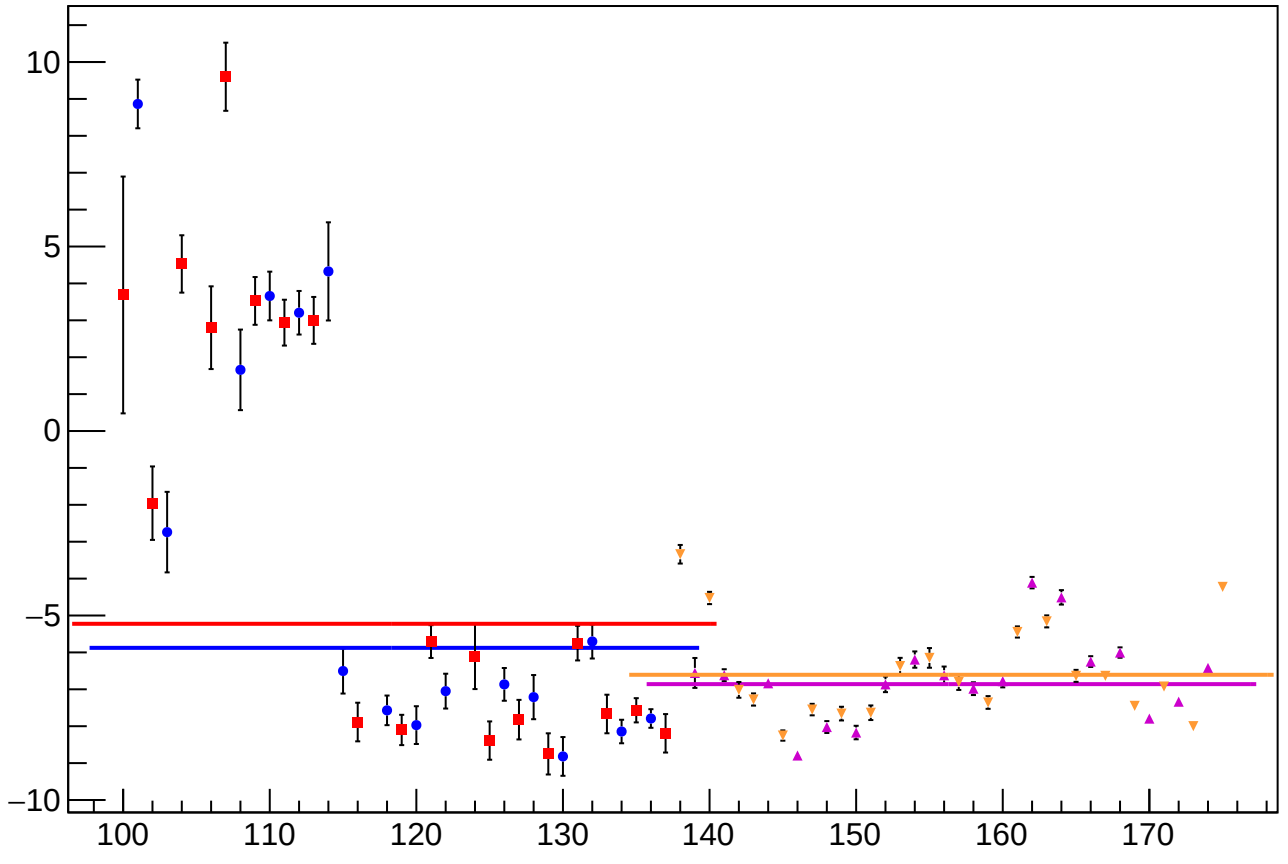
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 14.554+/-0.044 χ^2/NDF:6009.4/17

+ sign 15.364+/-0.040 χ^2/NDF: 18604.2/35

All: 15.567+/-0.029 χ^2/NDF: 32373.8/72

- sign 15.786+/-0.042 χ^2/NDF: 13716.4/36



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.606+/-0.036 χ^2/NDF:1323.9/19

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

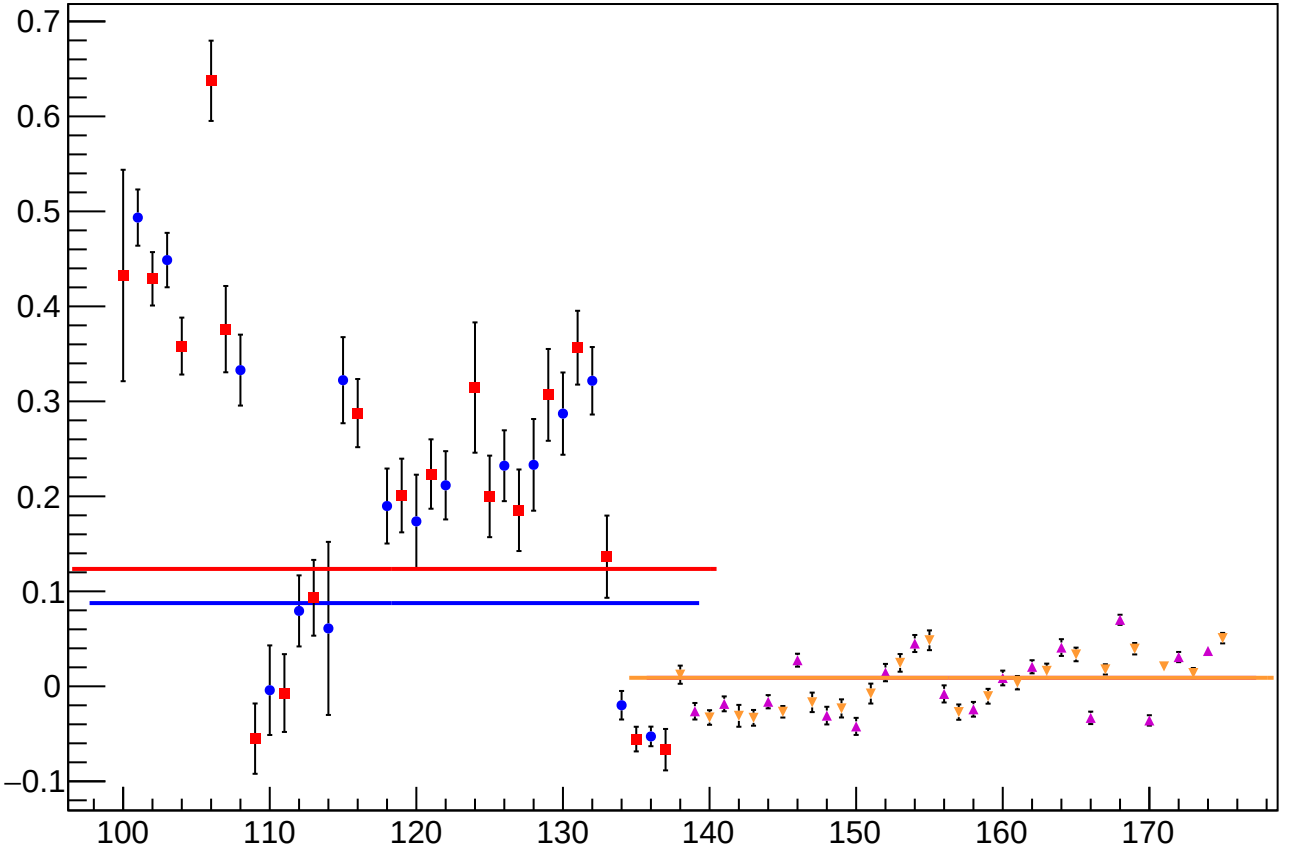
Left In: -6.860+/-0.037 χ^2/NDF:975.2/17

+ sign -6.548+/-0.034 χ^2/NDF: 2609.0/35

All: -6.639+/-0.025 χ^2/NDF: 5038.7/72

- sign -6.738+/-0.035 χ^2/NDF: 2414.8/36

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: 0.009+/-0.002 χ^2/NDF:271.4/19

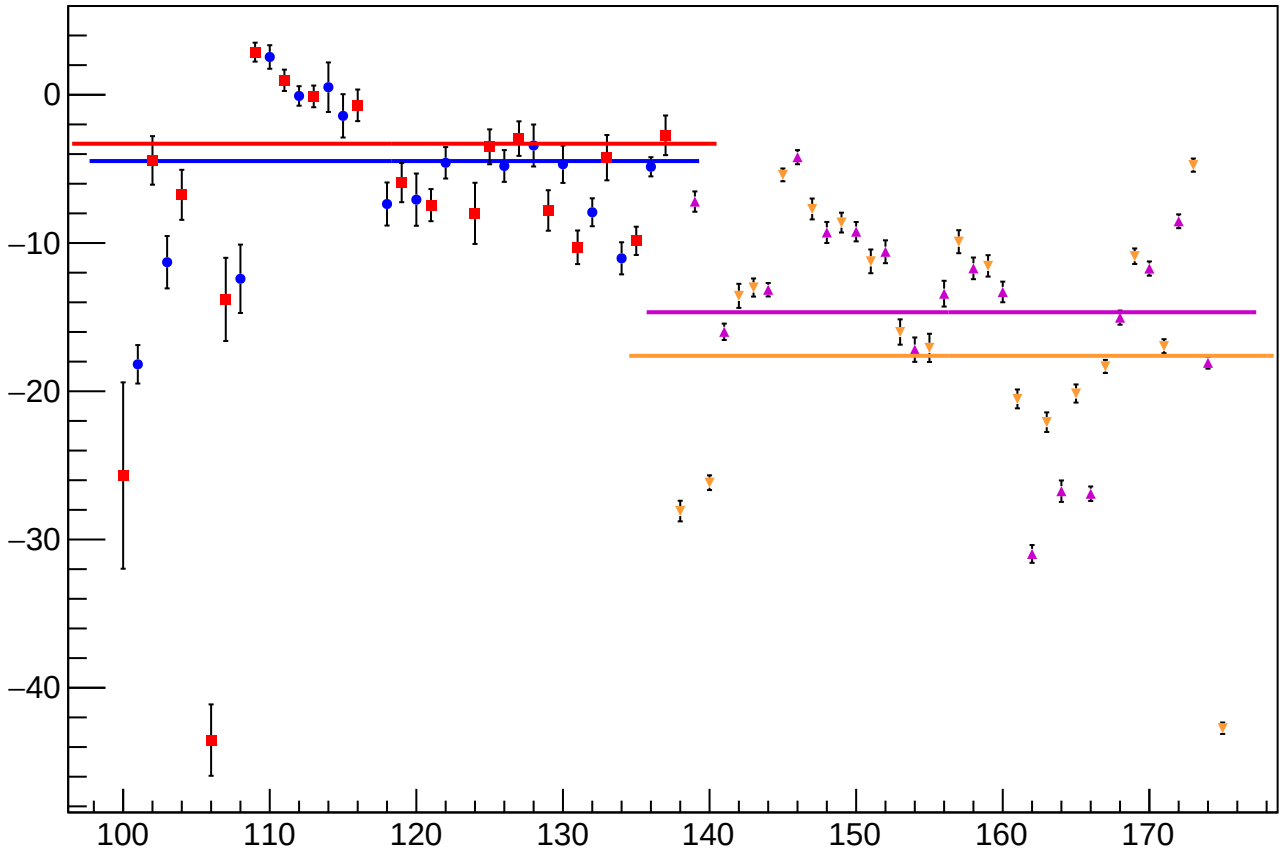
Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.009+/-0.002 χ^2/NDF:446.0/17

+ sign 0.013+/-0.002 χ^2/NDF: 1173.7/35

All: 0.014+/-0.001 χ^2/NDF: 2615.2/72

- sign 0.014+/-0.002 χ^2/NDF: 1441.3/36



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -17.608+/-0.129 χ^2/NDF:7347.4/19

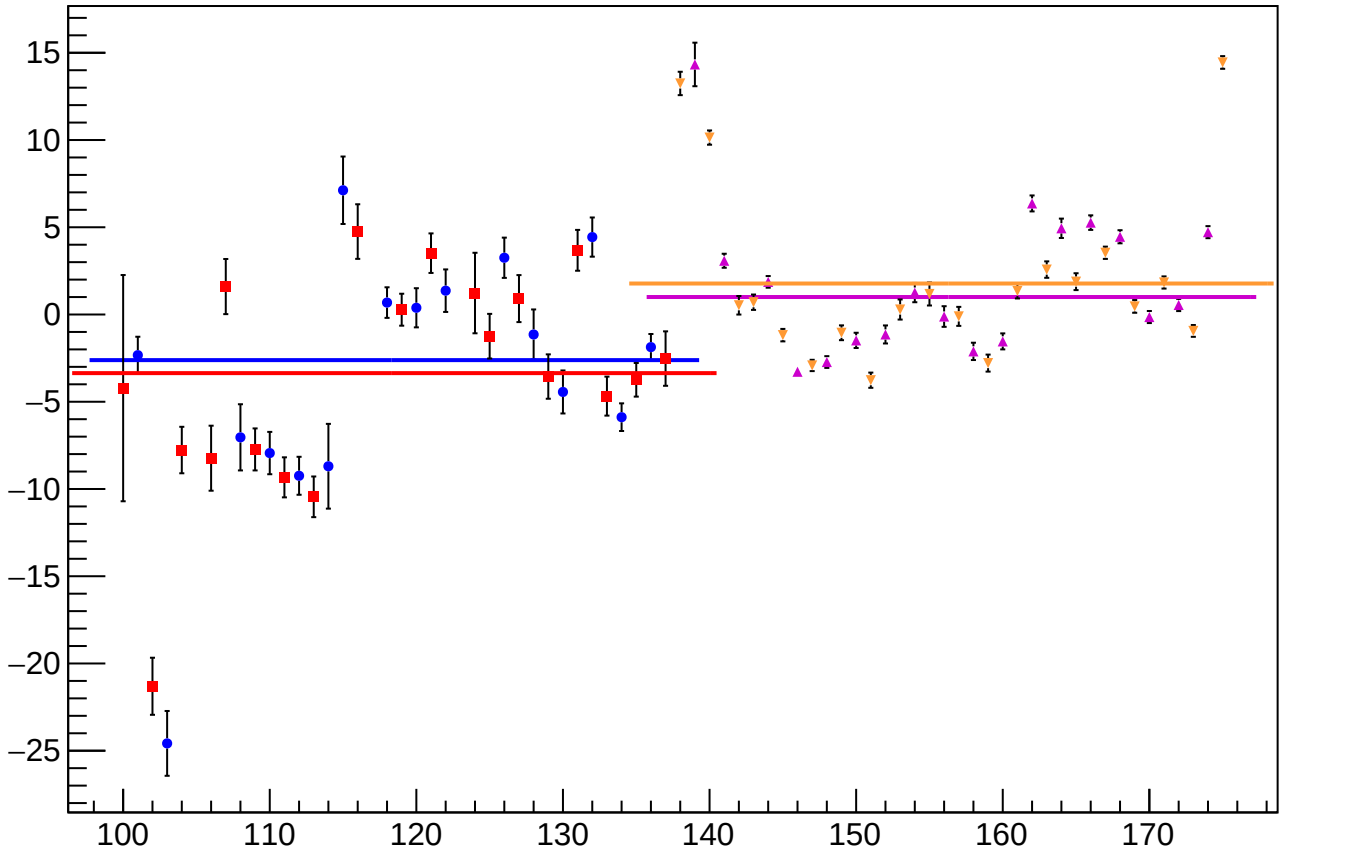
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -14.669+/-0.134 χ^2/NDF:2731.3/17

+ sign -15.139+/-0.116 χ^2/NDF: 9624.2/35

All: -13.753+/-0.083 χ^2/NDF: 14734.4/72

- sign -12.308+/-0.119 χ^2/NDF: 4820.6/36



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 1.776+/-0.094 χ^2/NDF:2634.3/19

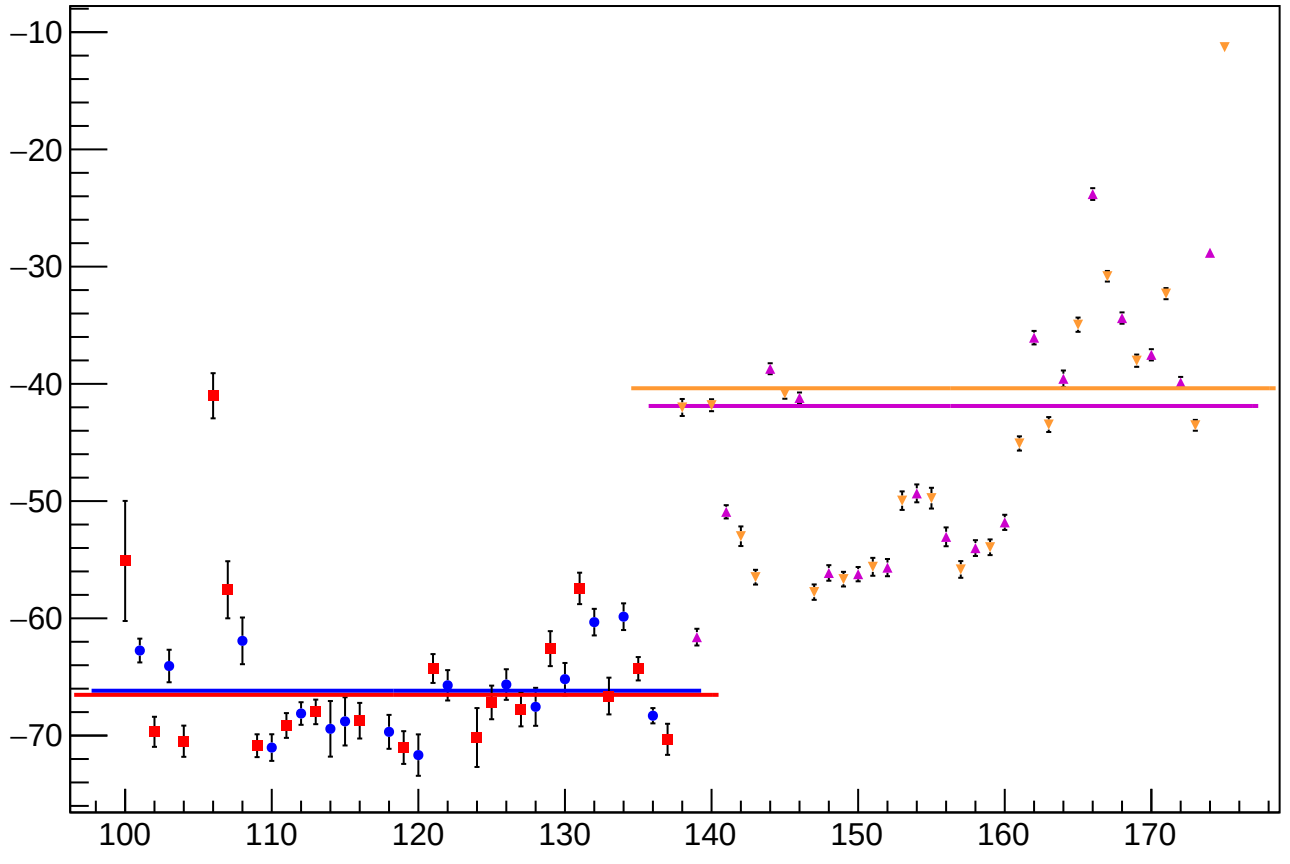
Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 1.002+/-0.097 χ^2/NDF:1127.2/17

+ sign 1.344+/-0.090 χ^2/NDF: 3199.1/35

All: 0.976+/-0.064 χ^2/NDF: 4913.5/72

- sign 0.588+/-0.092 χ^2/NDF: 1679.7/36



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -40.375+/-0.128 χ^2/NDF:10464.7/19

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

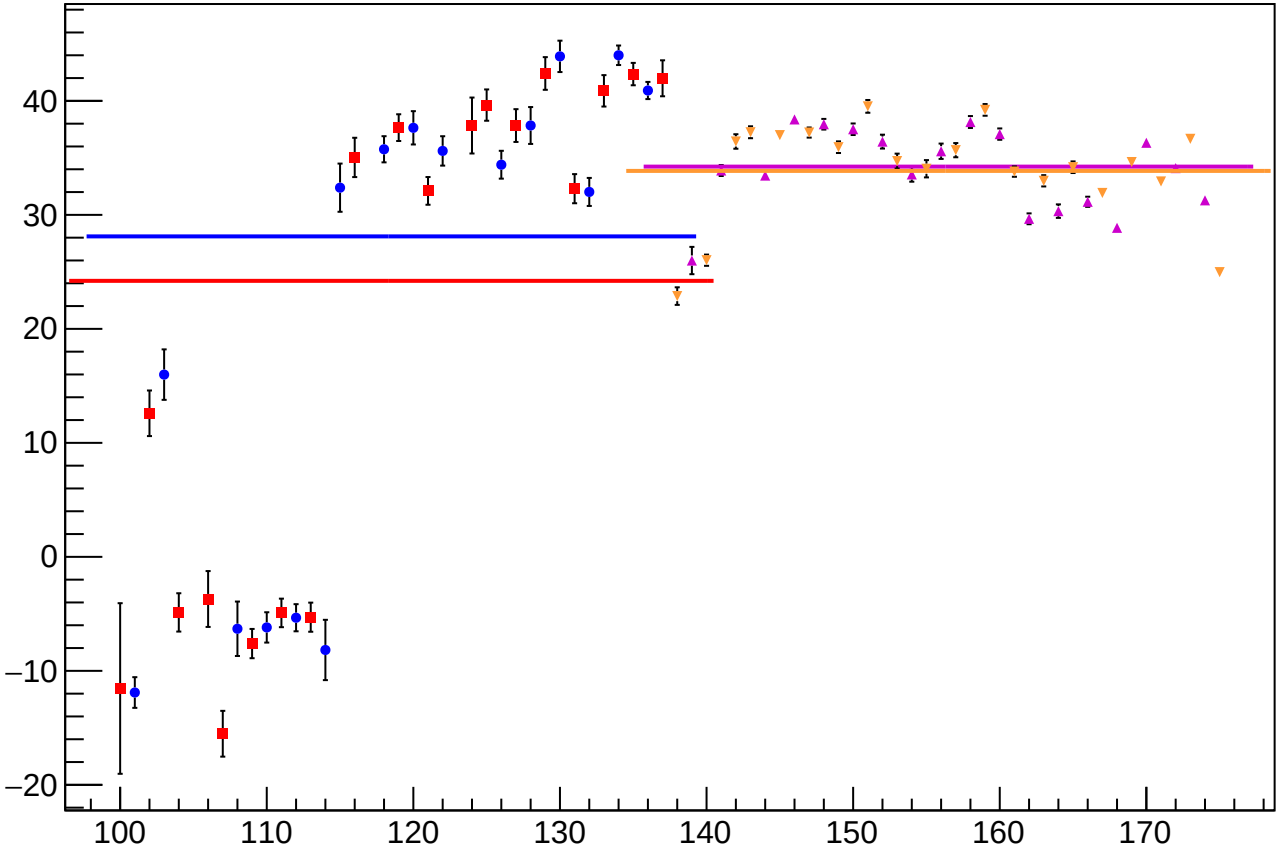
Left In: -41.886+/-0.133 χ^2/NDF:5970.5/17

+ sign -44.273+/-0.118 χ^2/NDF: 16696.0/35

All: -44.943+/-0.085 χ^2/NDF: 28320.5/72

- sign -45.660+/-0.122 χ^2/NDF: 11558.1/36

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 33.856+/-0.107 χ^2/NDF:1511.6/19

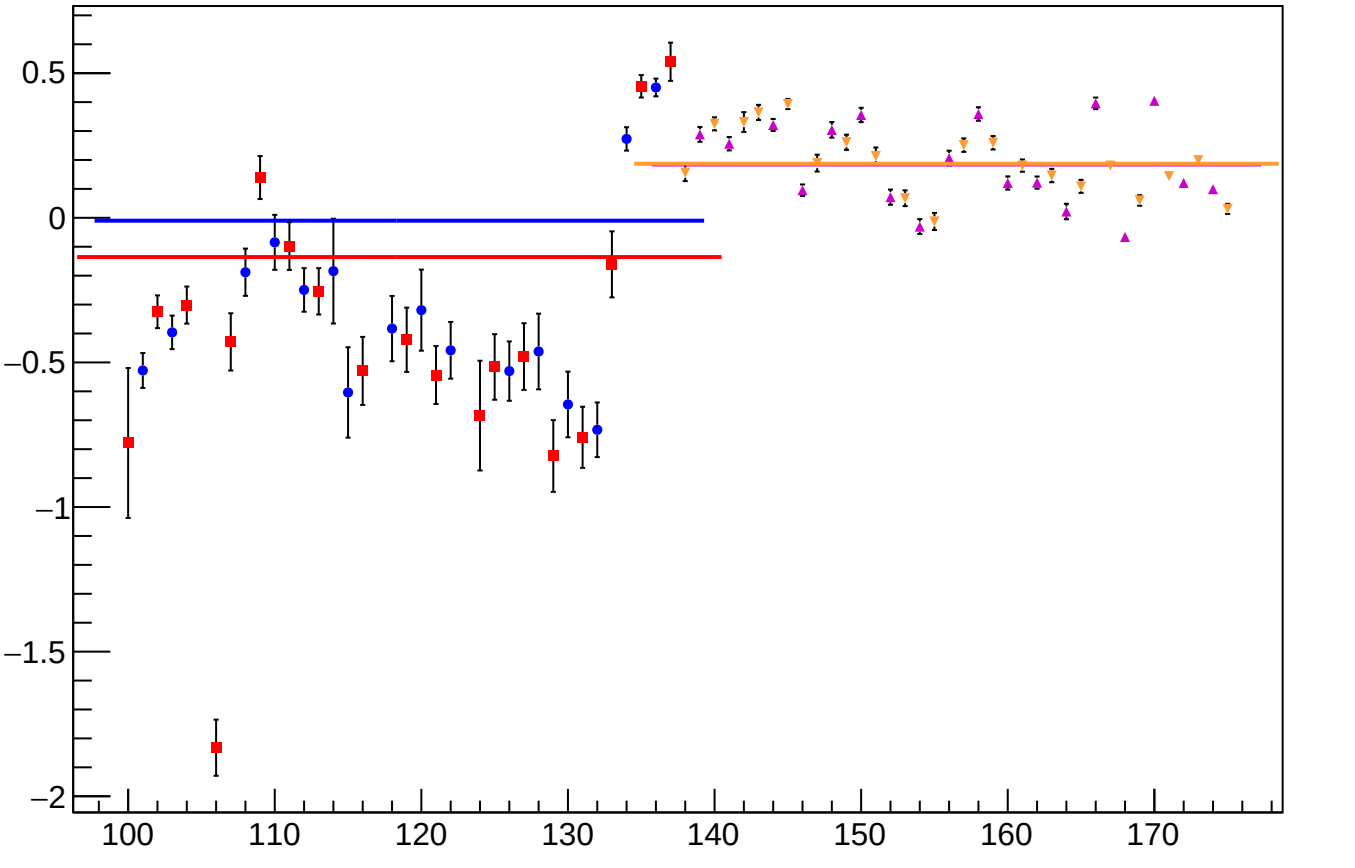
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 34.233+/-0.110 χ^2/NDF:832.9/17

+ sign 33.277+/-0.102 χ^2/NDF: 5529.1/35

All: 33.267+/-0.073 χ^2/NDF: 11008.4/72

- sign 33.255+/-0.105 χ^2/NDF: 5479.2/36



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.187+/-0.005 χ^2/NDF:480.3/19

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

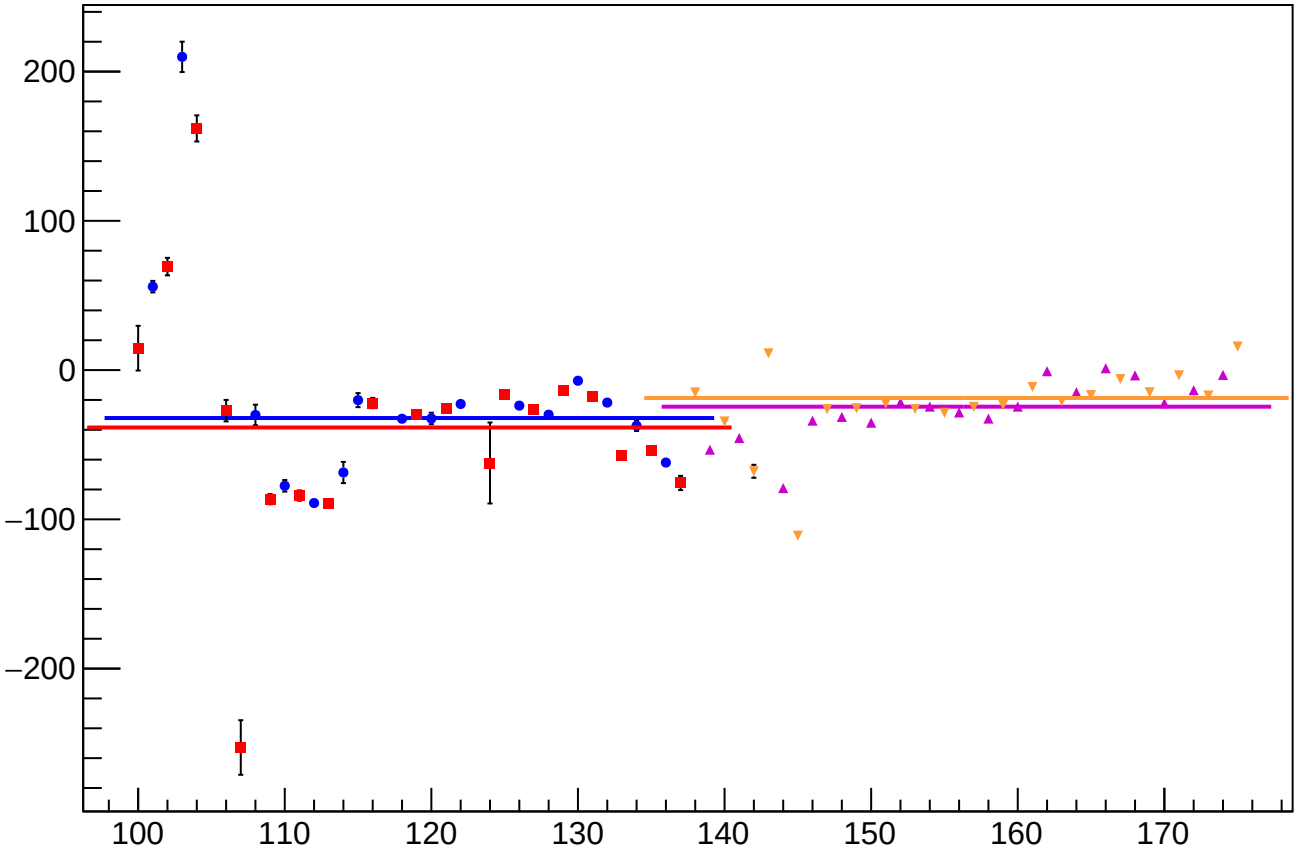
Left In: 0.184+/-0.005 χ^2/NDF:920.6/17

+ sign 0.173+/-0.005 χ^2/NDF: 1187.4/35

All: 0.168+/-0.003 χ^2/NDF: 3198.6/72

- sign 0.164+/-0.005 χ^2/NDF: 2009.4/36

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -18.684+/-0.615 χ^2/NDF:1521.8/19

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

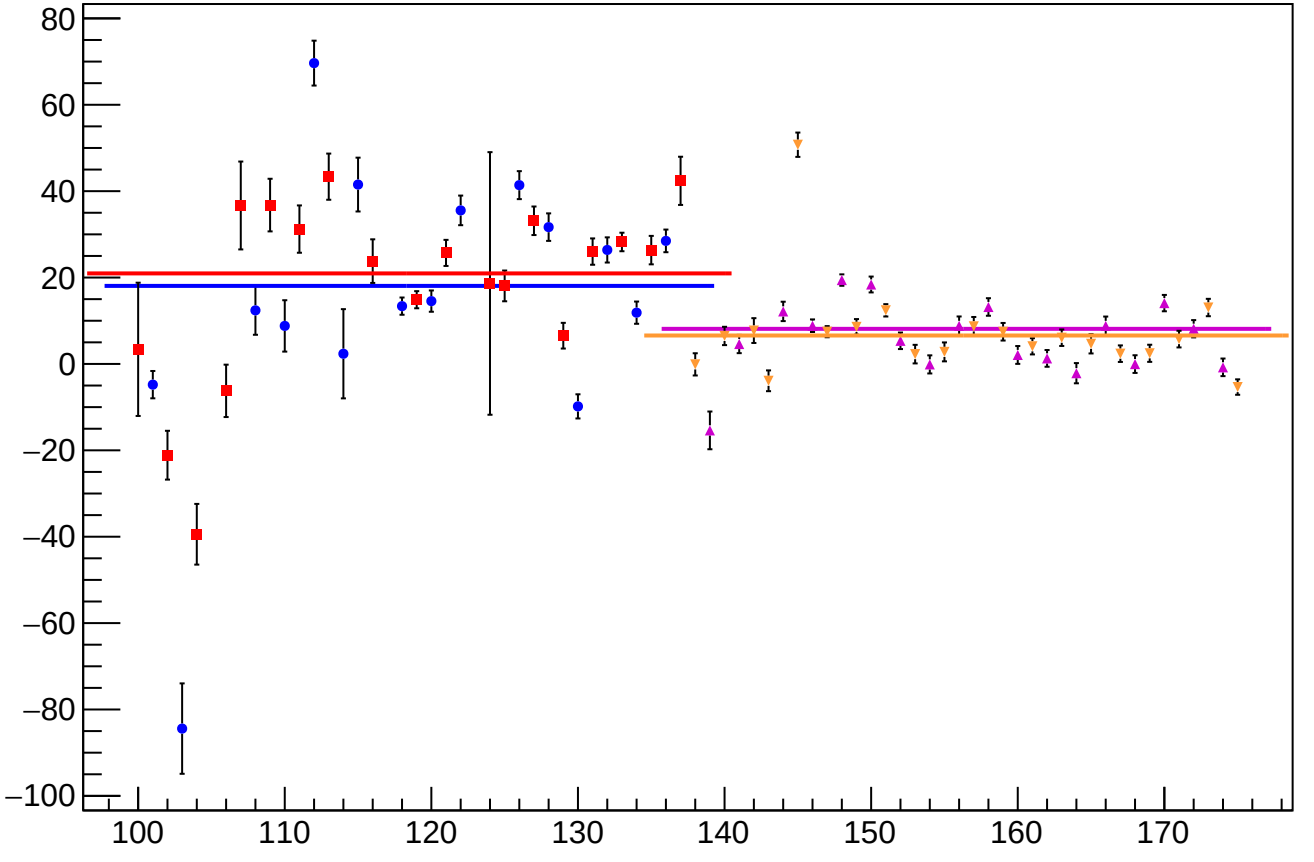
Left In: -24.523+/-0.645 χ^2/NDF:933.1/17

+ sign -23.354+/-0.497 χ^2/NDF: 3565.1/35

All: -26.309+/-0.358 χ^2/NDF: 6711.3/72

- sign -29.504+/-0.517 χ^2/NDF: 3072.7/36

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 6.584+/-0.439 χ^2/NDF:365.2/19

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

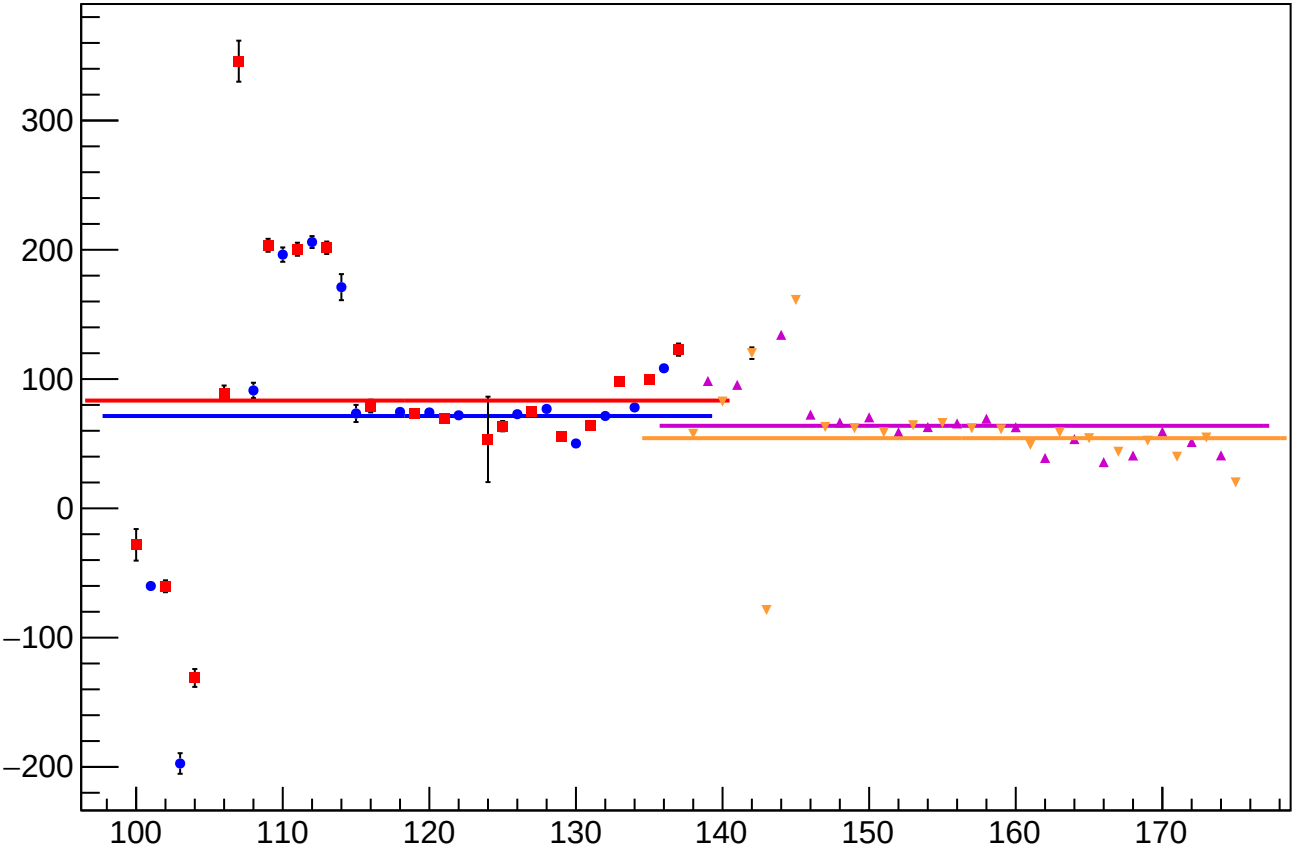
Left In: 8.124+/-0.462 χ^2/NDF:249.0/17

+ sign 9.132+/-0.387 χ^2/NDF: 1016.4/35

All: 9.998+/-0.281 χ^2/NDF: 1708.8/72

- sign 10.958+/-0.408 χ^2/NDF: 681.8/36

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 54.290+/-0.604 χ^2/NDF:3401.1/19

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

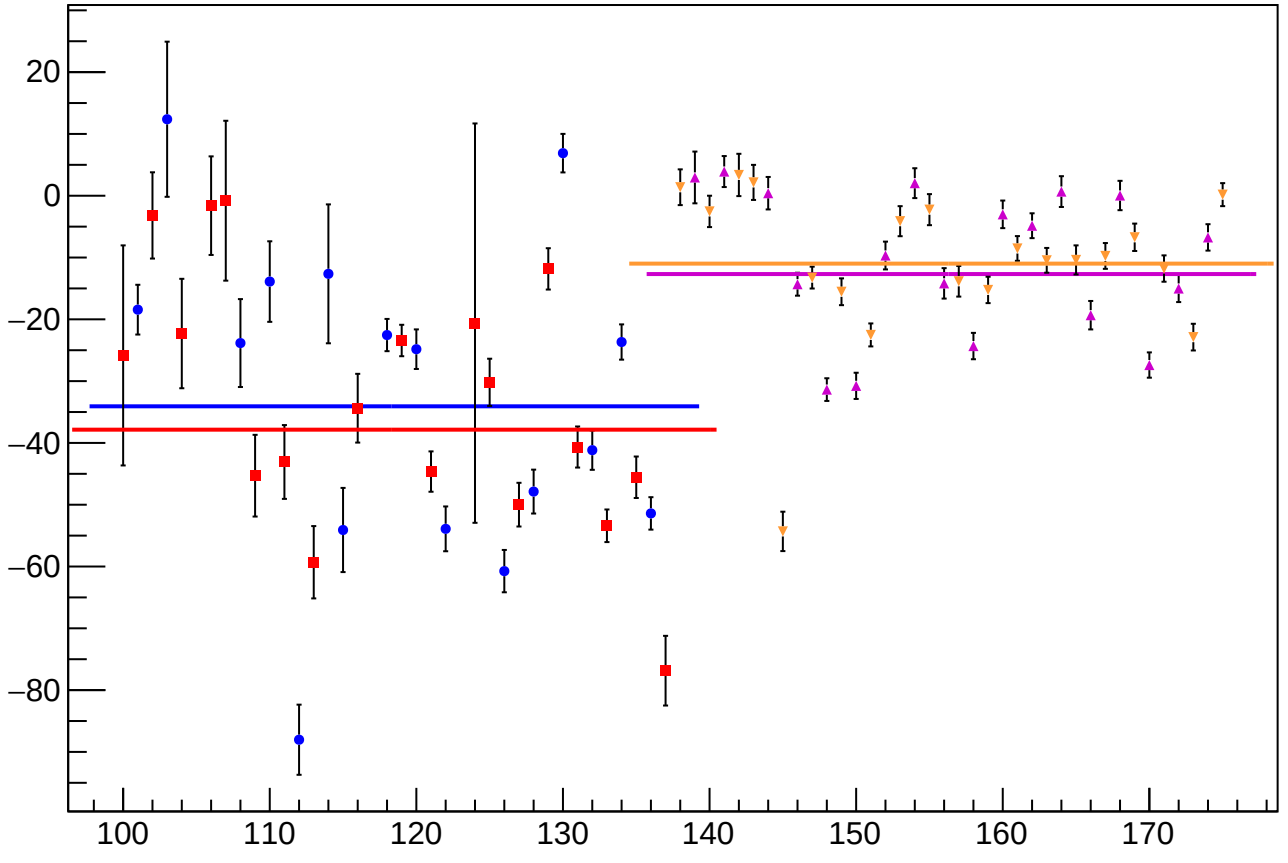
Left In: 63.855+/-0.634 χ^2/NDF:1259.2/17

+ sign 59.369+/-0.507 χ^2/NDF: 8458.8/35

All: 64.215+/-0.367 χ^2/NDF: 14485.6/72

- sign 69.571+/-0.533 χ^2/NDF: 5834.5/36

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -10.986+/-0.503 χ^2/NDF:395.3/19

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

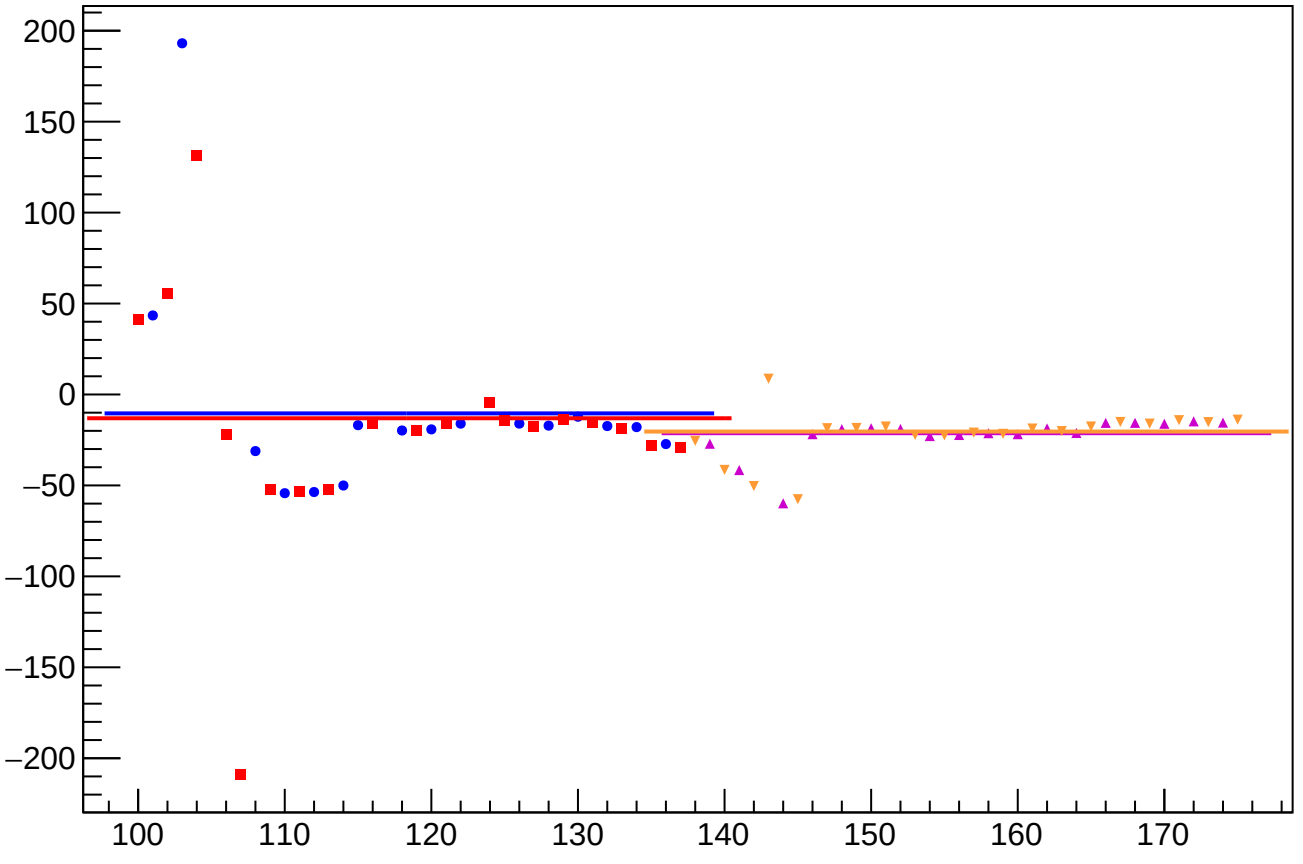
Left In: -12.674+/-0.530 χ^2/NDF:488.9/17

+ sign -16.109+/-0.444 χ^2/NDF: 1373.8/35

All: -17.122+/-0.322 χ^2/NDF: 2648.3/72

- sign -18.245+/-0.467 χ^2/NDF: 1263.5/36

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -20.377+/-0.023 χ^2/NDF:211567.9/19

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

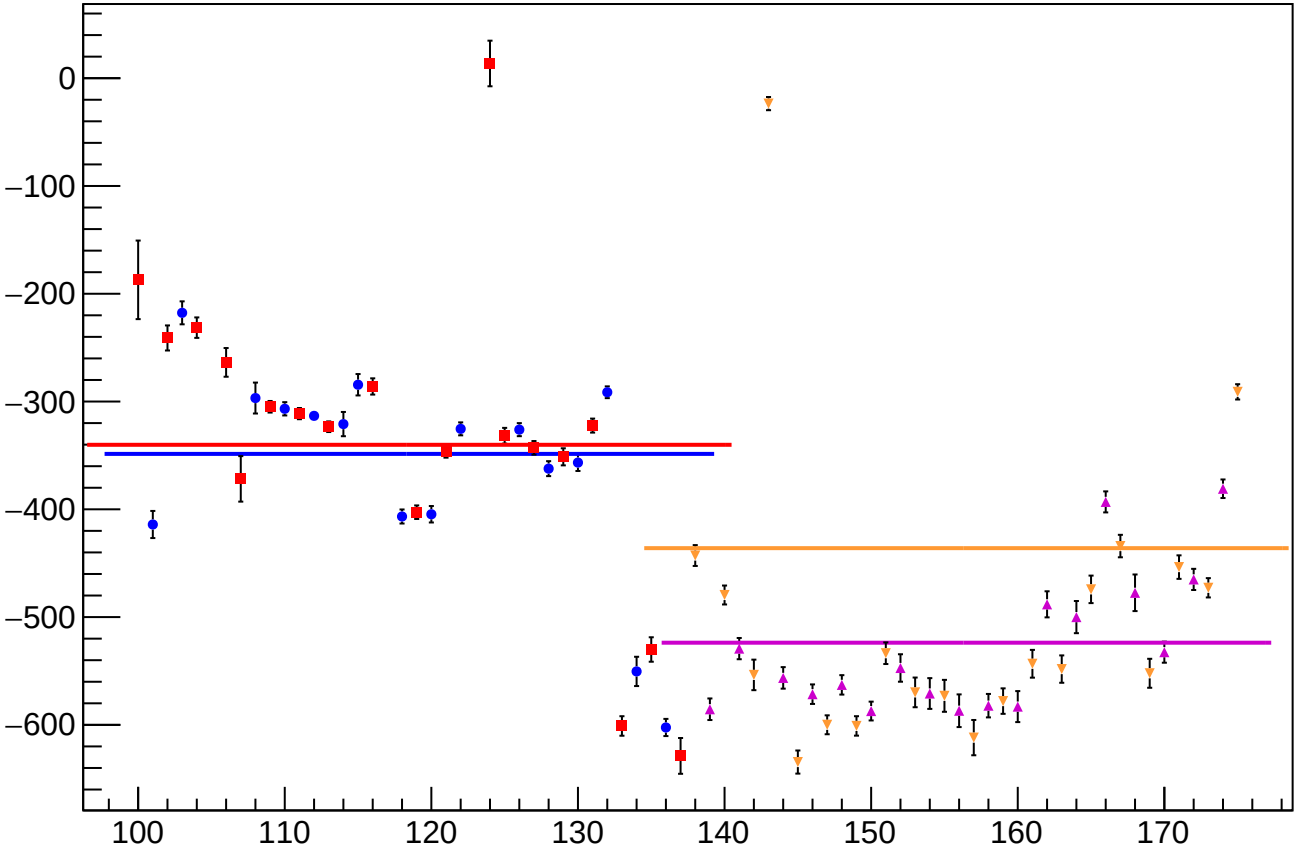
Left In: -21.290+/-0.023 χ^2/NDF:130812.9/17

+ sign -18.990+/-0.021 χ^2/NDF: 760451.1/35

All: -19.619+/-0.015 χ^2/NDF: 1357807.3/72

- sign -20.288+/-0.022 χ^2/NDF: 595539.1/36

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -436.037+/-2.272 χ^2/NDF:6861.4/19

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

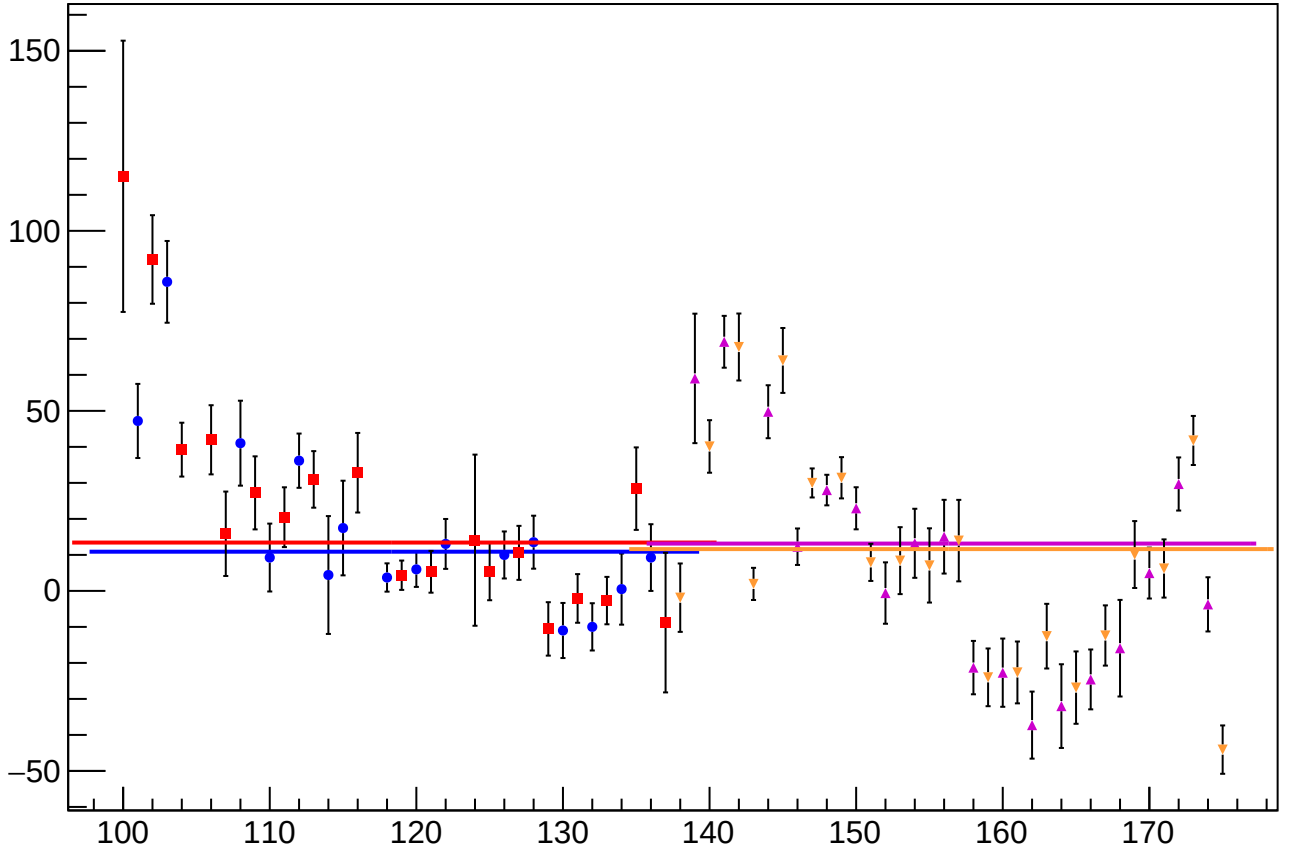
Left In: -523.764+/-2.530 χ^2/NDF:735.6/17

+ sign -382.877+/-1.423 χ^2/NDF: 9620.4/35

All: -391.307+/-1.014 χ^2/NDF: 16174.9/72

- sign -399.998+/-1.444 χ^2/NDF: 6483.2/36

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 11.609+/-1.584 χ^2/NDF:280.3/19

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

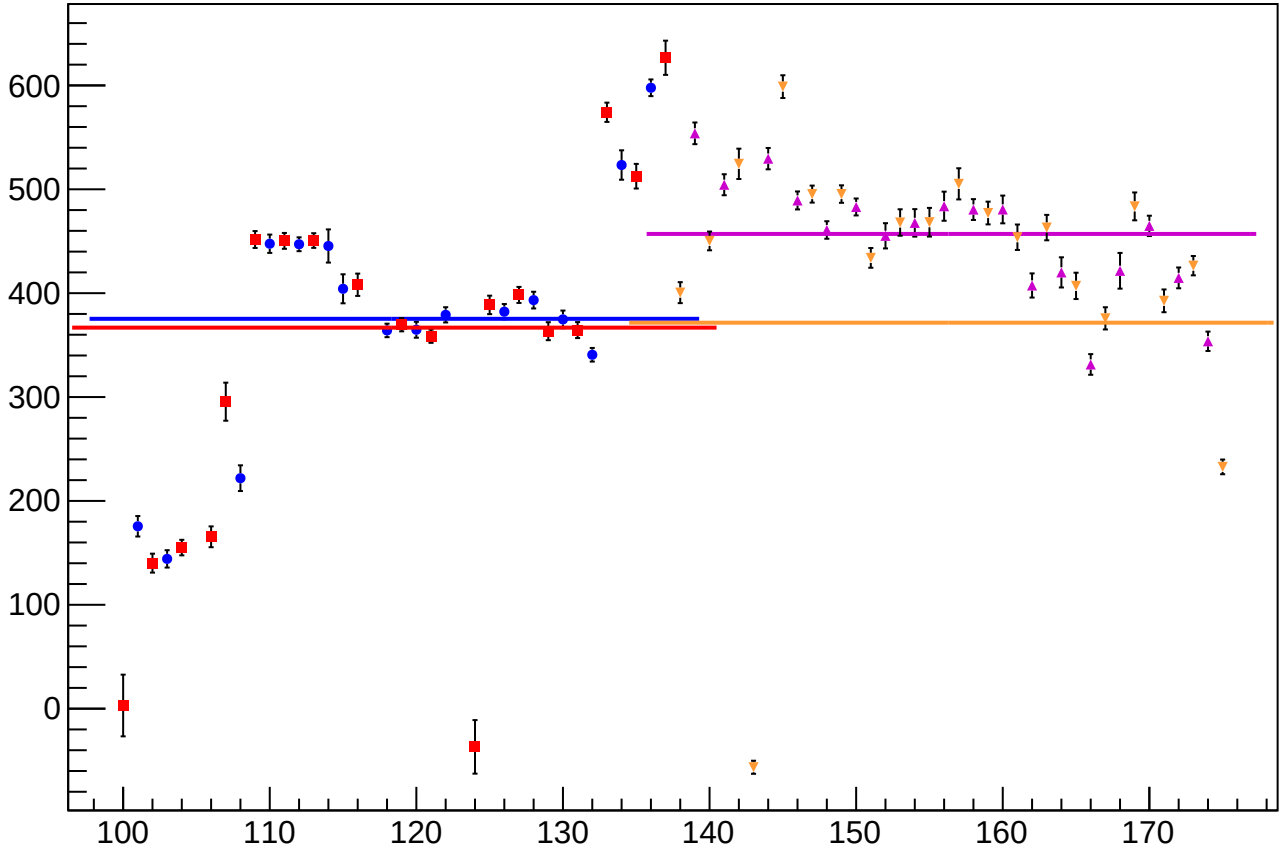
Left In: 13.144+/-1.759 χ^2/NDF:226.6/17

+ sign 11.303+/-1.201 χ^2/NDF: 378.7/35

All: 12.231+/-0.875 χ^2/NDF: 719.0/72

- sign 13.278+/-1.276 χ^2/NDF: 339.0/36

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 371.583+/-2.246 χ^2/NDF:6611.8/19

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

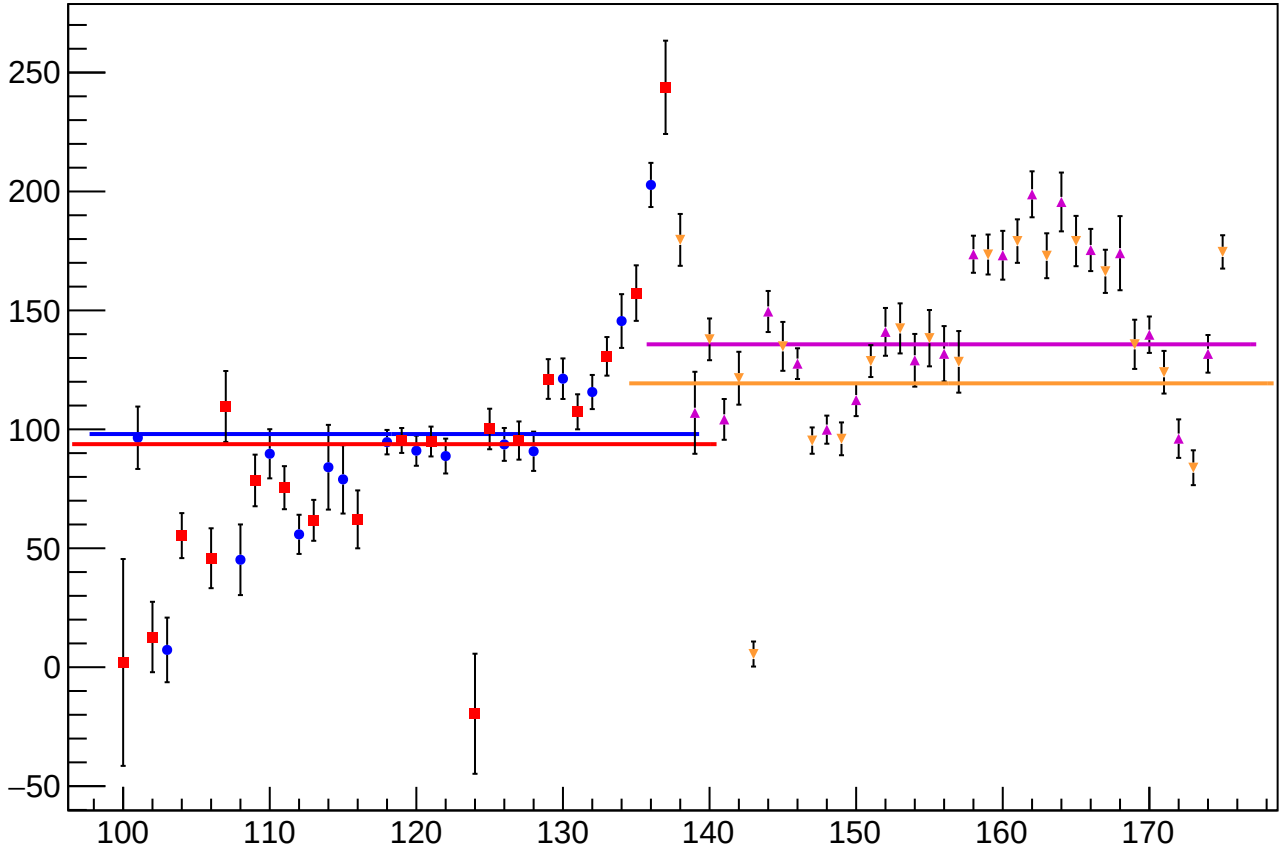
Left In: 457.035+/-2.488 χ^2/NDF:524.7/17

+ sign 373.575+/-1.535 χ^2/NDF: 9062.7/35

All: 387.984+/-1.102 χ^2/NDF: 14093.2/72

- sign 403.288+/-1.582 χ^2/NDF: 4848.8/36

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 119.334+/-1.850 χ^2/NDF:808.9/19

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

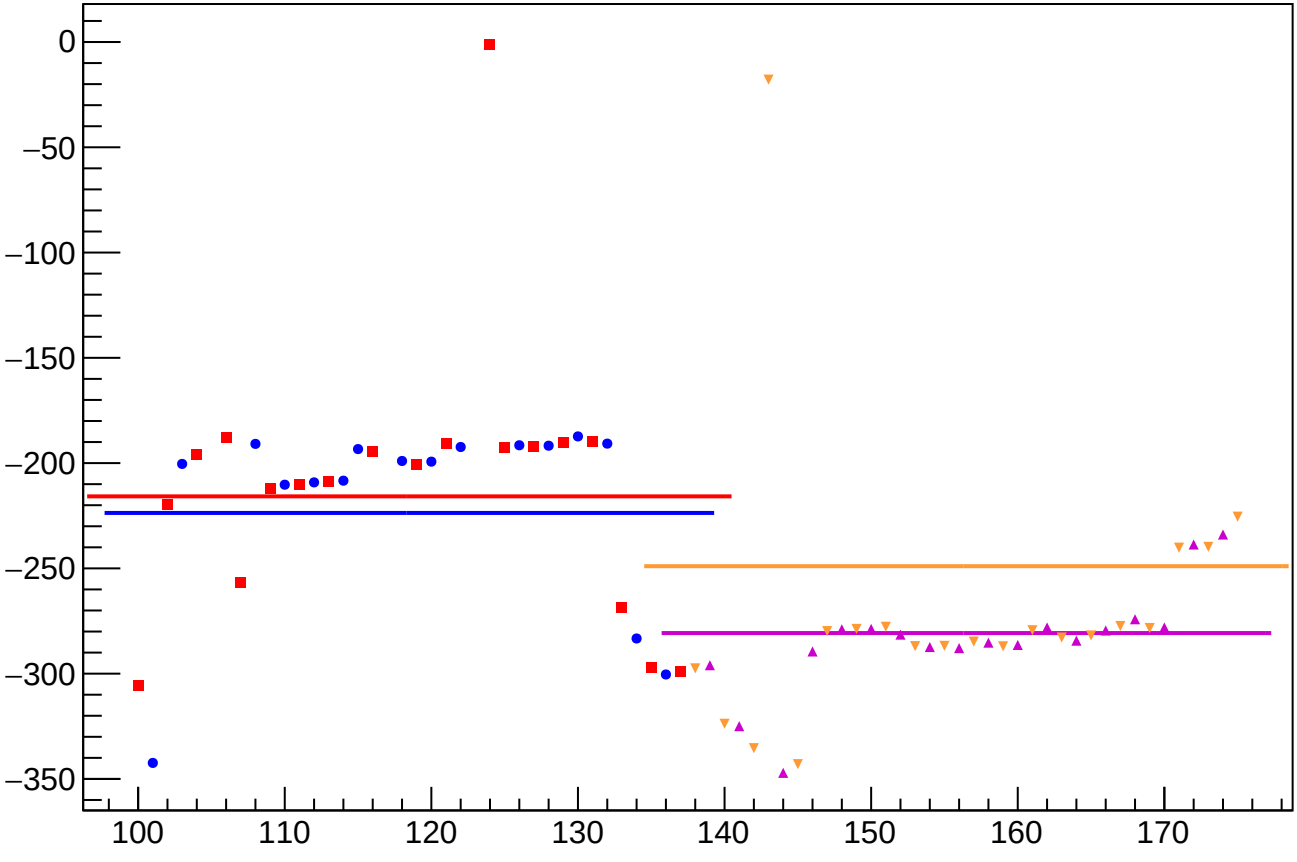
Left In: 135.740+/-2.047 χ^2/NDF:223.6/17

+ sign 110.240+/-1.401 χ^2/NDF: 1115.1/35

All: 112.810+/-1.017 χ^2/NDF: 1784.0/72

- sign 115.674+/-1.479 χ^2/NDF: 661.8/36

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -248.963+/-0.088 χ^2/NDF:979179.1/19

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

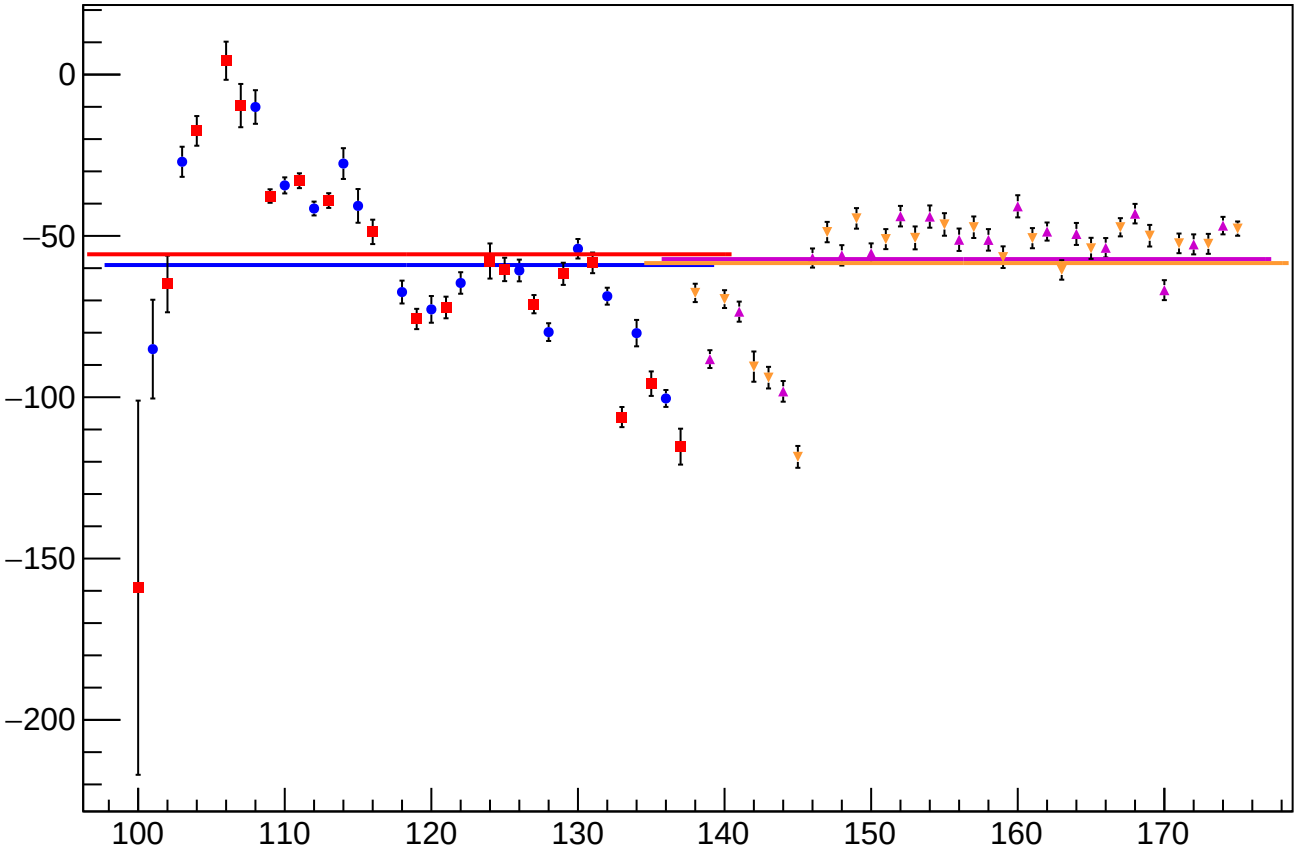
Left In: -280.718+/-0.093 χ^2/NDF:70903.3/17

+ sign -241.720+/-0.074 χ^2/NDF: 1124589.7/35

All: -250.316+/-0.053 χ^2/NDF: 1462485.5/72

- sign -259.549+/-0.077 χ^2/NDF: 309905.5/36

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -58.425+/-0.697 χ^2/NDF:623.7/19

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

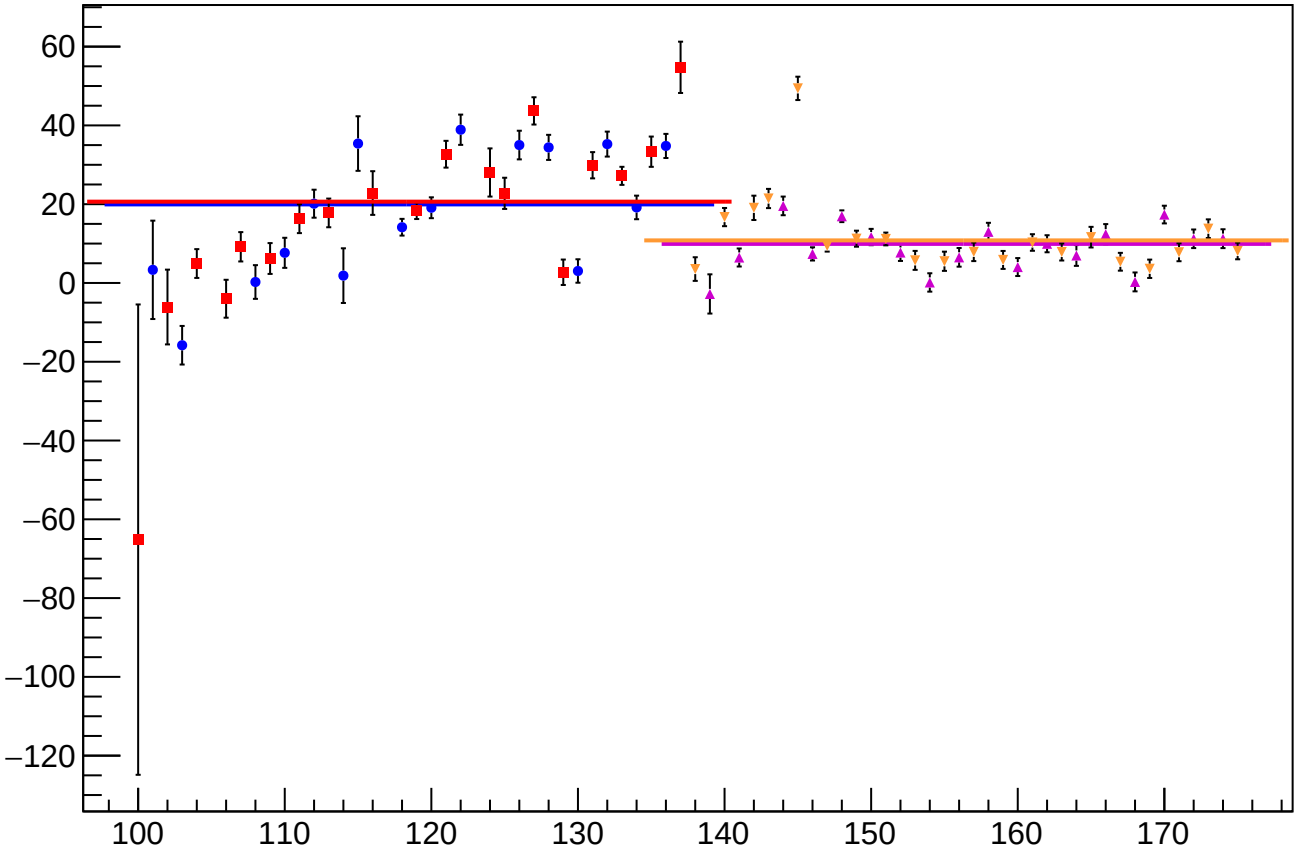
Left In: -57.182+/-0.731 χ^2/NDF:442.3/17

+ sign -58.676+/-0.534 χ^2/NDF: 1351.3/35

All: -57.593+/-0.378 χ^2/NDF: 2844.9/72

- sign -56.498+/-0.537 χ^2/NDF: 1485.4/36

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.808+/-0.497 χ^2/NDF:246.8/19

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

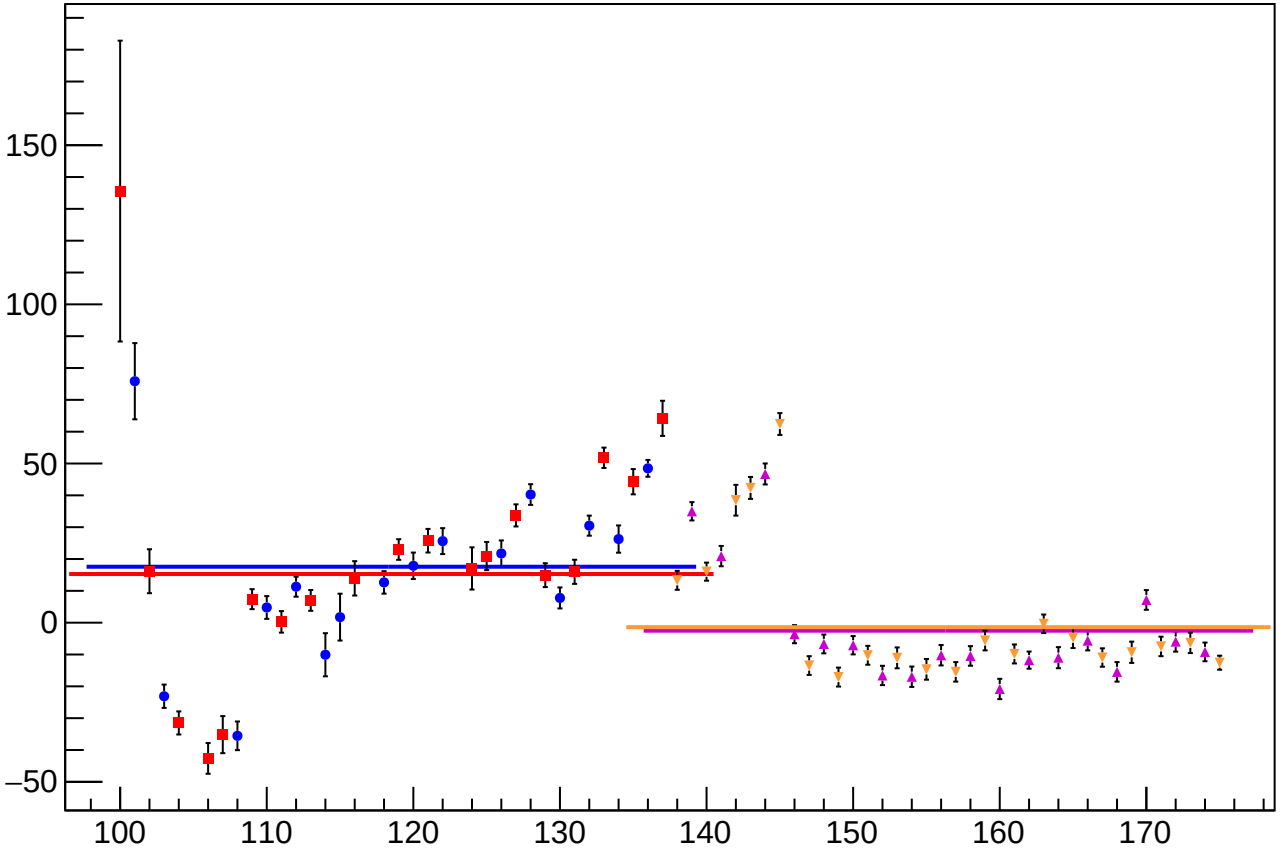
Left In: 9.919+/-0.524 χ^2/NDF:109.7/17

+ sign 13.064+/-0.431 χ^2/NDF: 577.6/35

All: 12.985+/-0.310 χ^2/NDF: 1028.7/72

- sign 12.901+/-0.445 χ^2/NDF: 451.1/36

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: -1.415+/-0.685 χ^2/NDF:795.5/19

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

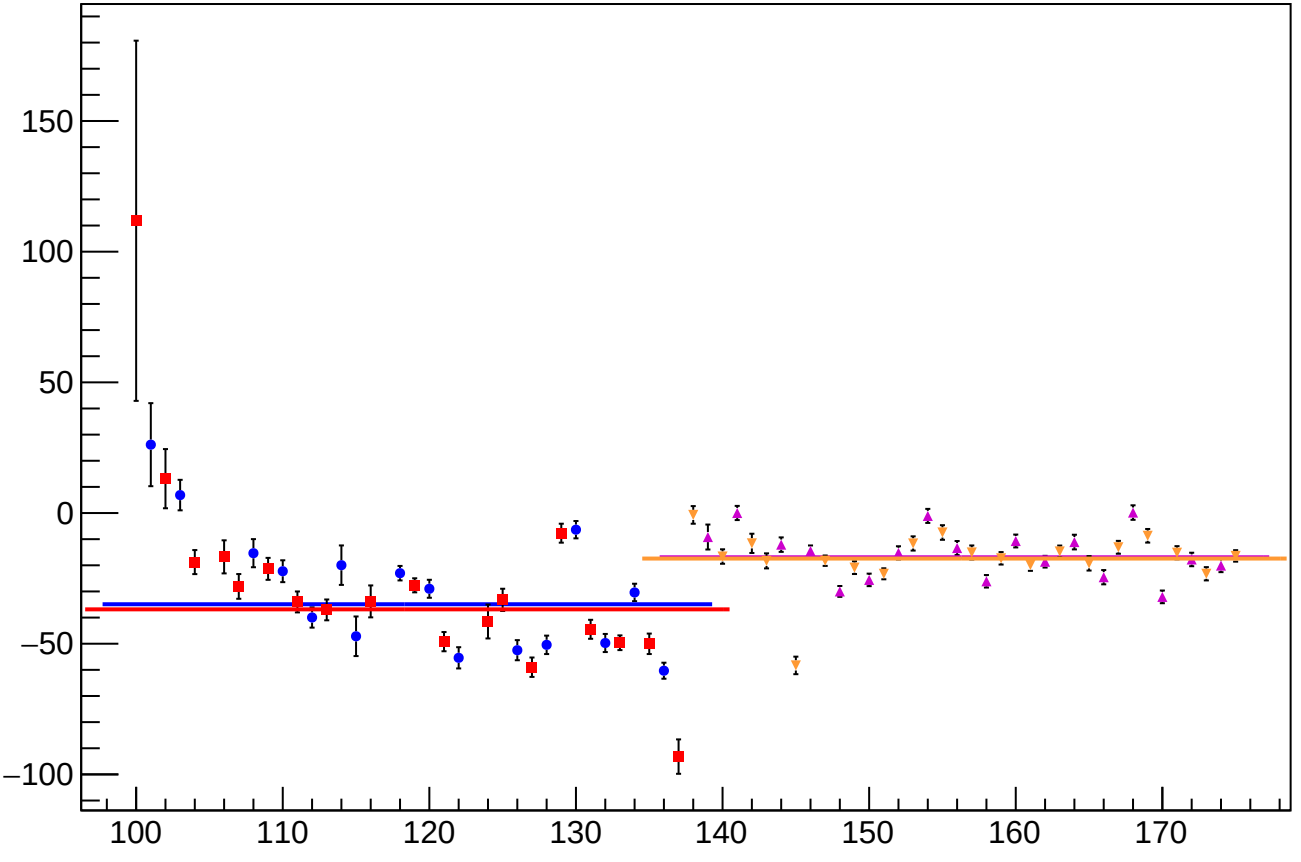
Left In: -2.515+/-0.718 χ^2/NDF:591.4/17

+ sign 5.019+/-0.557 χ^2/NDF: 1602.2/35

All: 4.569+/-0.398 χ^2/NDF: 3153.1/72

- sign 4.099+/-0.569 χ^2/NDF: 1549.6/36

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.417+/-0.570 χ^2/NDF:227.1/19

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

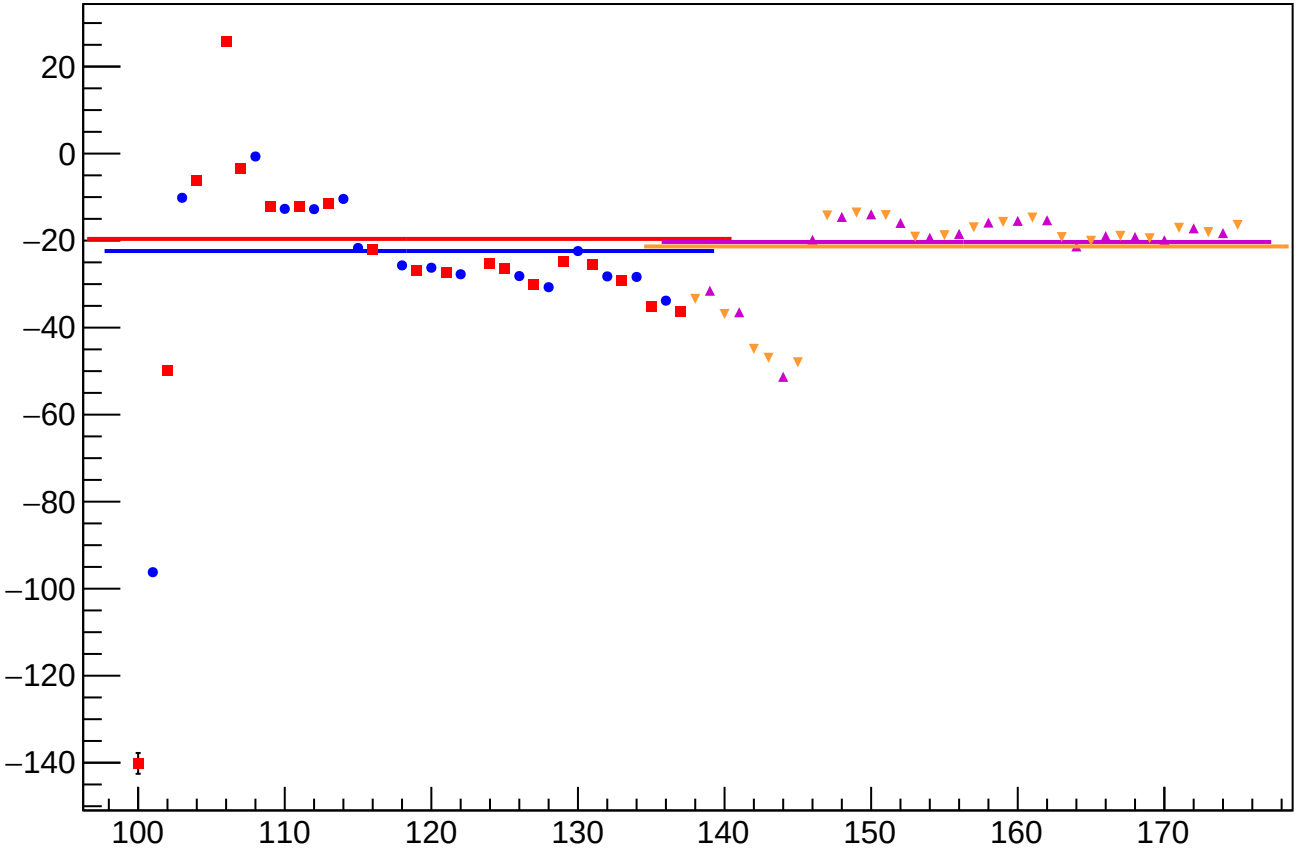
Left In: -16.921+/-0.600 χ^2/NDF:247.6/17

+ sign -21.765+/-0.494 χ^2/NDF: 807.9/35

All: -22.094+/-0.355 χ^2/NDF: 1663.4/72

- sign -22.445+/-0.510 χ^2/NDF: 854.6/36

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -21.342+/-0.026 χ^2/NDF:137397.6/19

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

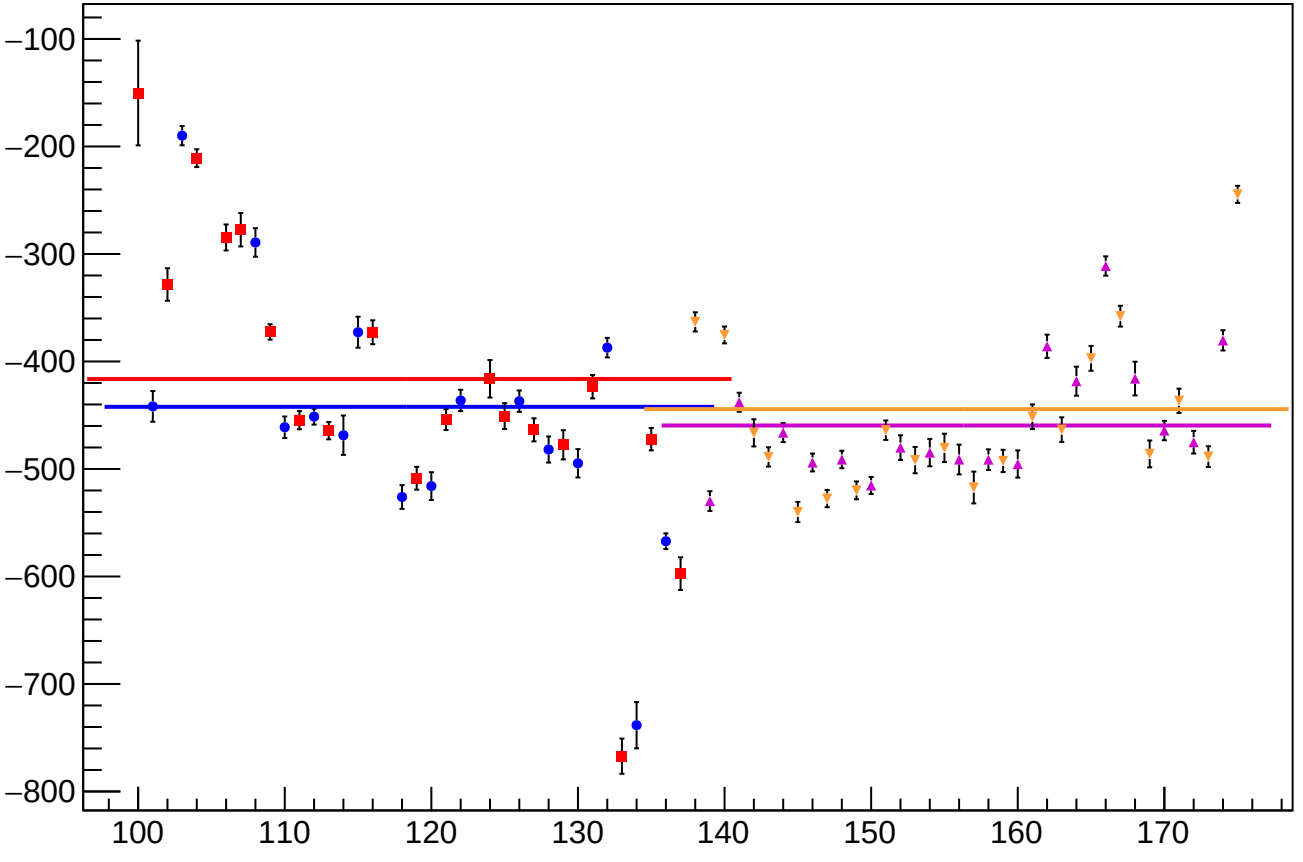
Left In: -20.313+/-0.026 χ^2/NDF:86326.0/17

+ sign -21.515+/-0.024 χ^2/NDF: 184189.1/35

All: -20.870+/-0.017 χ^2/NDF: 356021.1/72

- sign -20.196+/-0.024 χ^2/NDF: 170310.1/36

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -444.326+/-2.227 χ^2/NDF:1319.8/19

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

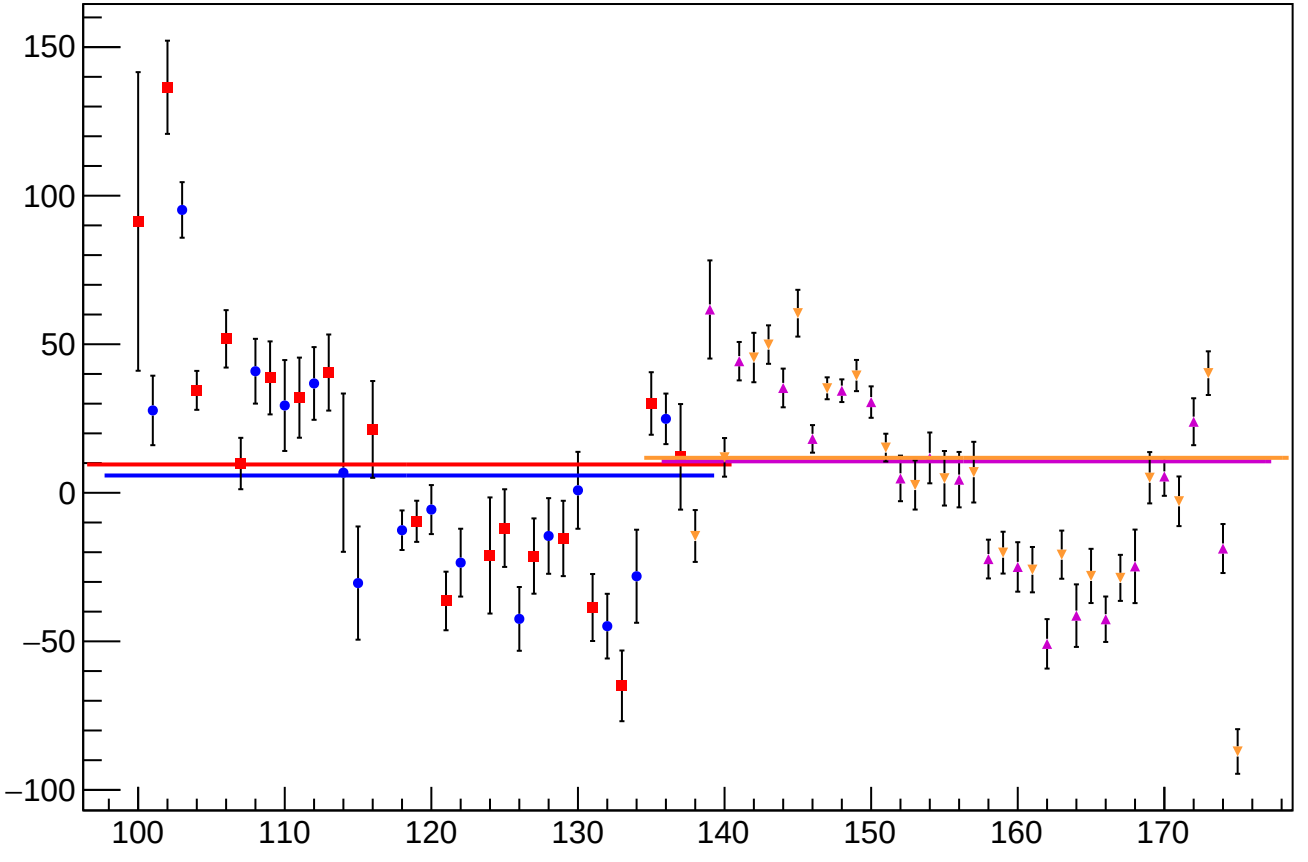
Left In: -459.549+/-2.342 χ^2/NDF:588.2/17

+ sign -443.451+/-1.713 χ^2/NDF: 2909.3/35

All: -441.484+/-1.212 χ^2/NDF: 5412.2/72

- sign -439.510+/-1.716 χ^2/NDF: 2500.2/36

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 11.772+/-1.528 χ^2/NDF:468.1/19

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

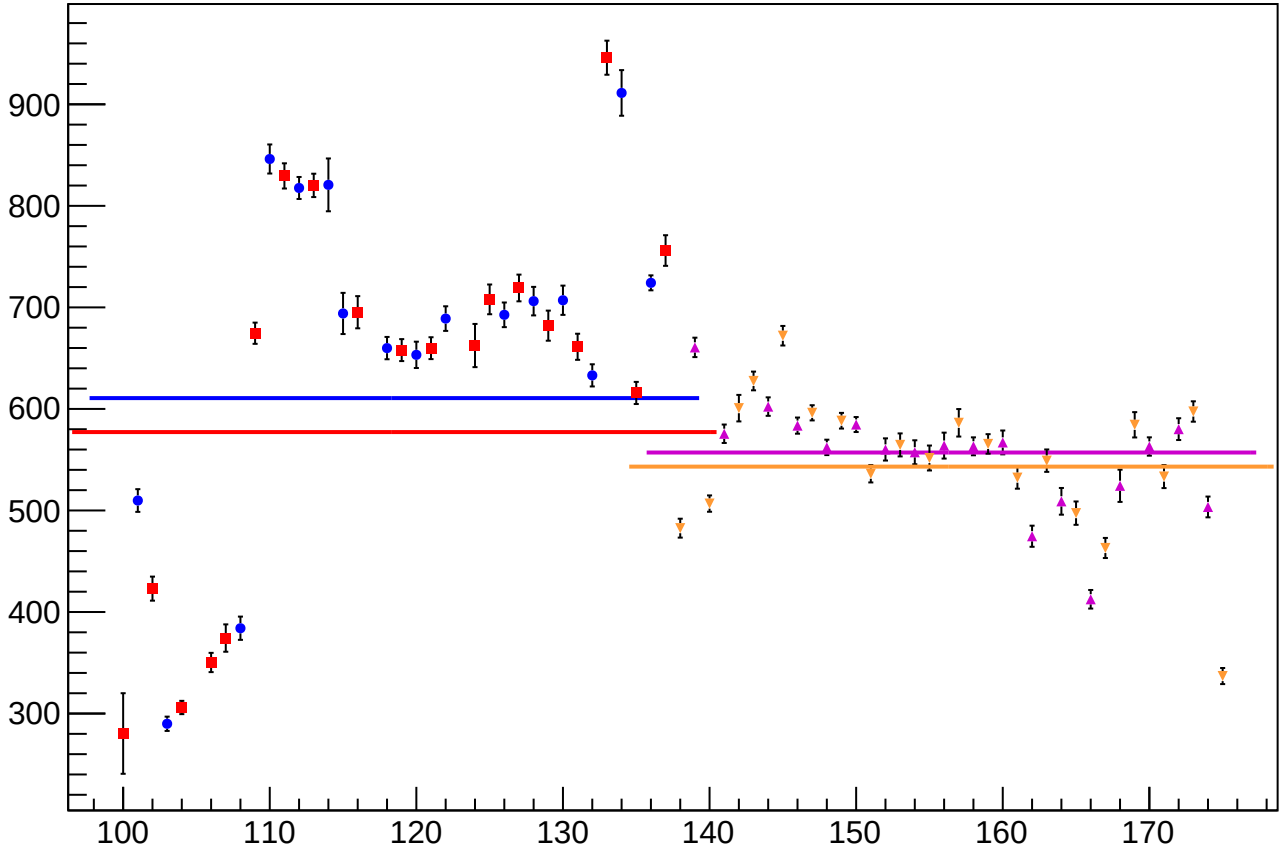
Left In: 10.590+/-1.615 χ^2/NDF:302.8/17

+ sign 10.351+/-1.333 χ^2/NDF: 659.9/35

All: 10.321+/-0.954 χ^2/NDF: 1185.0/72

- sign 10.289+/-1.365 χ^2/NDF: 525.1/36

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 543.182+/-2.189 χ^2/NDF:1251.1/19

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

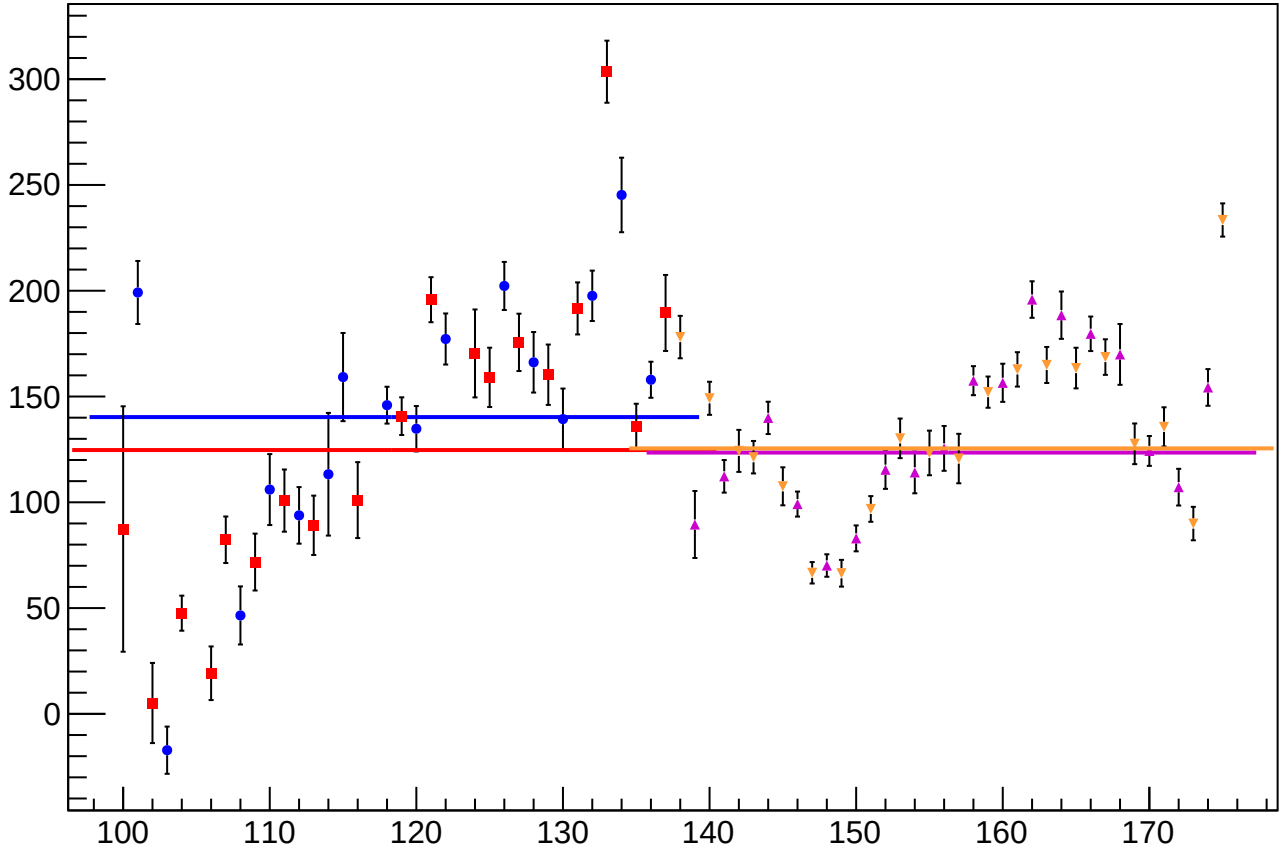
Left In: 557.072+/-2.295 χ^2/NDF:535.5/17

+ sign 567.759+/-1.745 χ^2/NDF: 5489.8/35

All: 566.551+/-1.240 χ^2/NDF: 10858.1/72

- sign 565.319+/-1.763 χ^2/NDF: 5367.3/36

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 125.488+/-1.791 χ^2/NDF:594.0/19

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

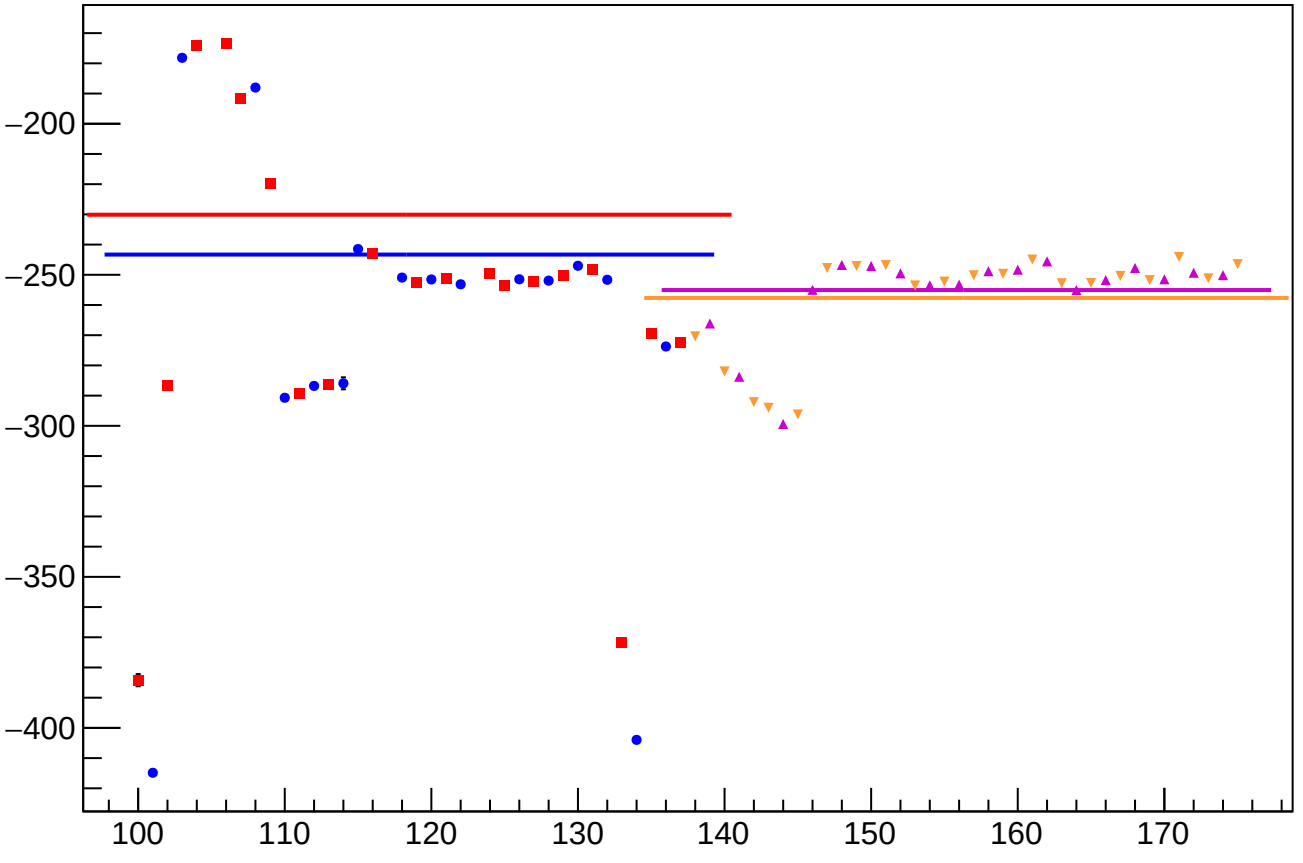
Left In: 123.508+/-1.885 χ^2/NDF:390.5/17

+ sign 129.099+/-1.557 χ^2/NDF: 996.1/35

All: 126.533+/-1.113 χ^2/NDF: 1900.8/72

- sign 123.848+/-1.593 χ^2/NDF: 899.2/36

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -257.664+/-0.085 χ^2/NDF:37634.7/19

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

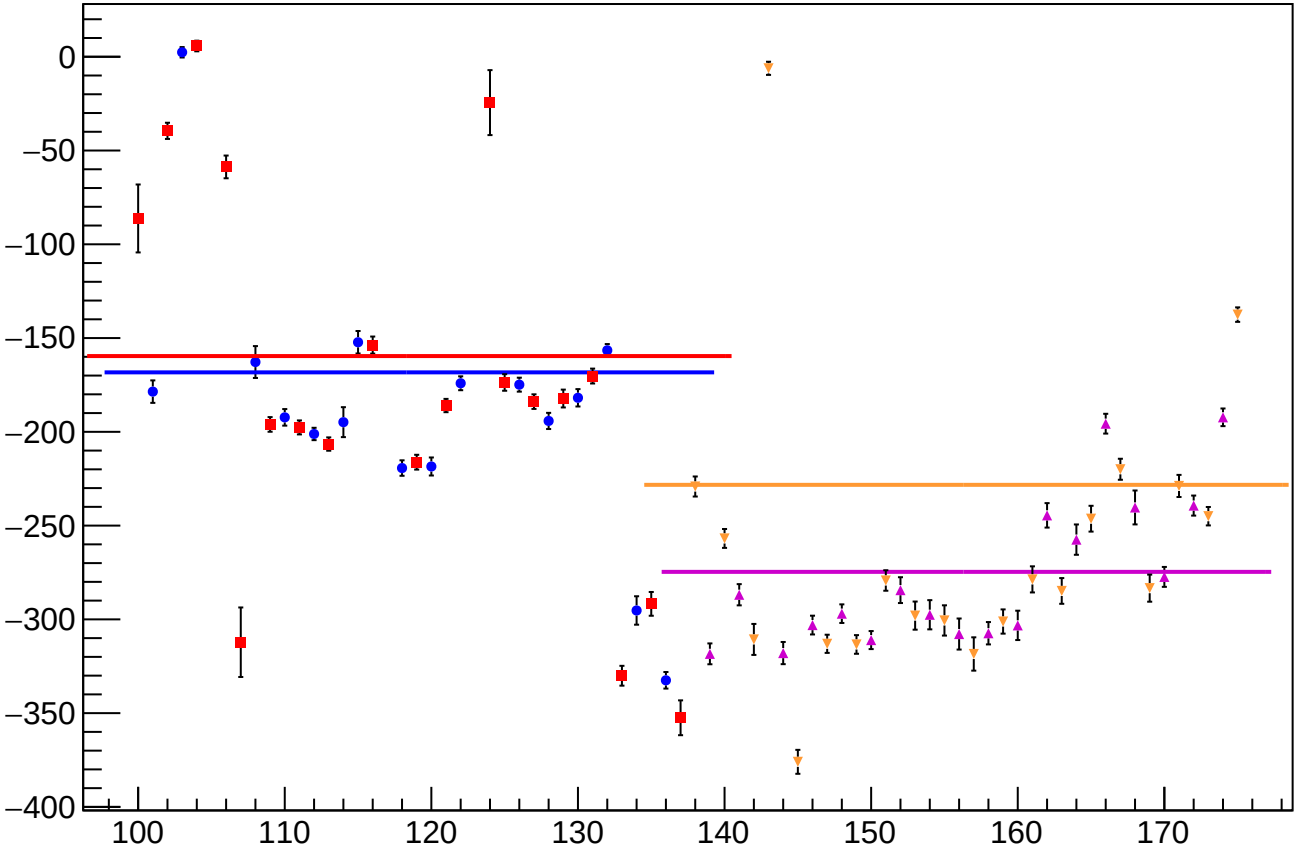
Left In: -255.049+/-0.086 χ^2/NDF:22638.5/17

+ sign -254.593+/-0.075 χ^2/NDF: 217256.8/35

All: -251.952+/-0.053 χ^2/NDF: 364130.8/72

- sign -249.268+/-0.076 χ^2/NDF: 144384.0/36

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -228.265+/-1.257 χ^2/NDF:6507.1/19

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

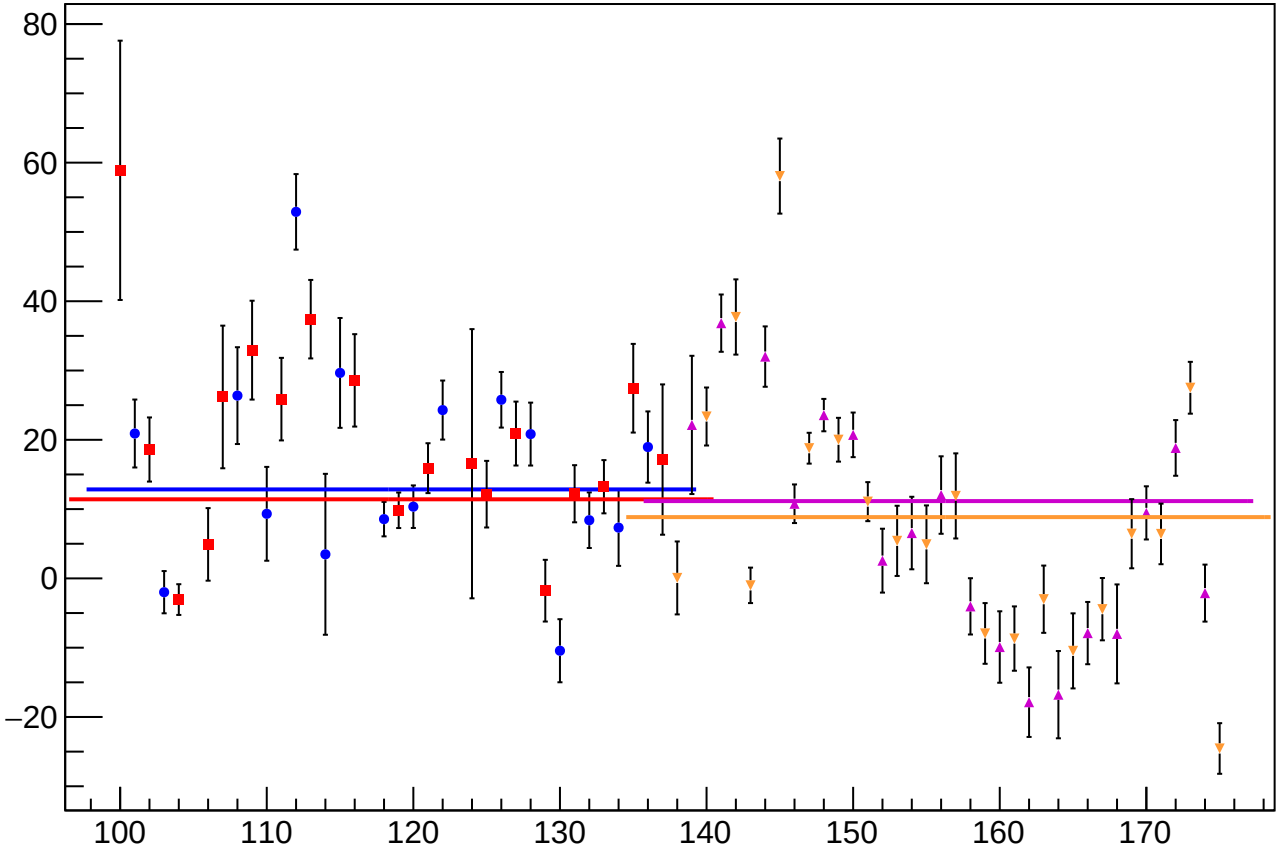
Left In: -274.667+/-1.393 χ^2/NDF:915.4/17

+ sign -193.635+/-0.817 χ^2/NDF: 13728.2/35

All: -197.191+/-0.584 χ^2/NDF: 26253.7/72

- sign -200.897+/-0.835 χ^2/NDF: 12486.9/36

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 8.843+/-0.876 χ^2/NDF:340.1/19

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

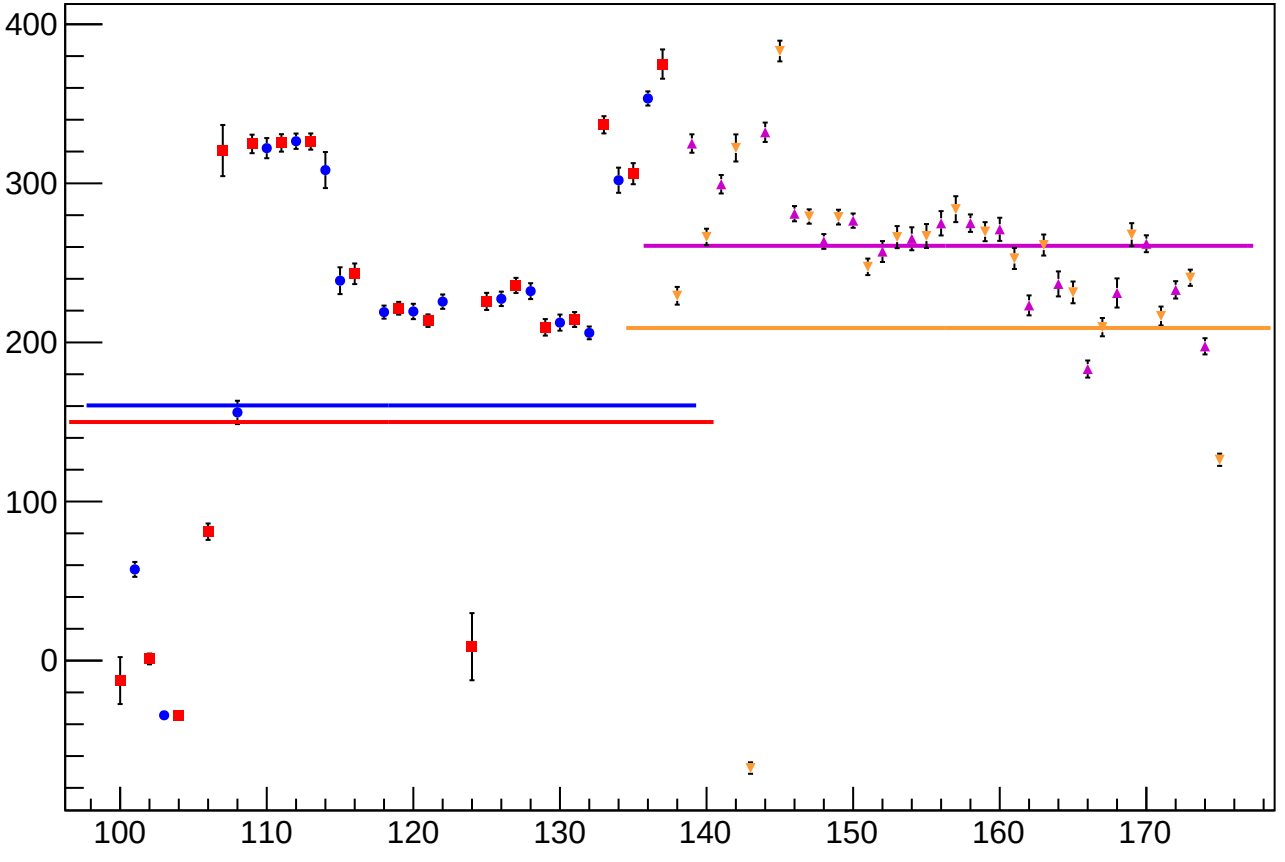
Left In: 11.156+/-0.968 χ^2/NDF:227.3/17

+ sign 10.437+/-0.679 χ^2/NDF: 492.1/35

All: 10.840+/-0.490 χ^2/NDF: 839.7/72

- sign 11.276+/-0.707 χ^2/NDF: 346.9/36

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 209.091+/-1.242 χ^2/NDF:8419.6/19

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

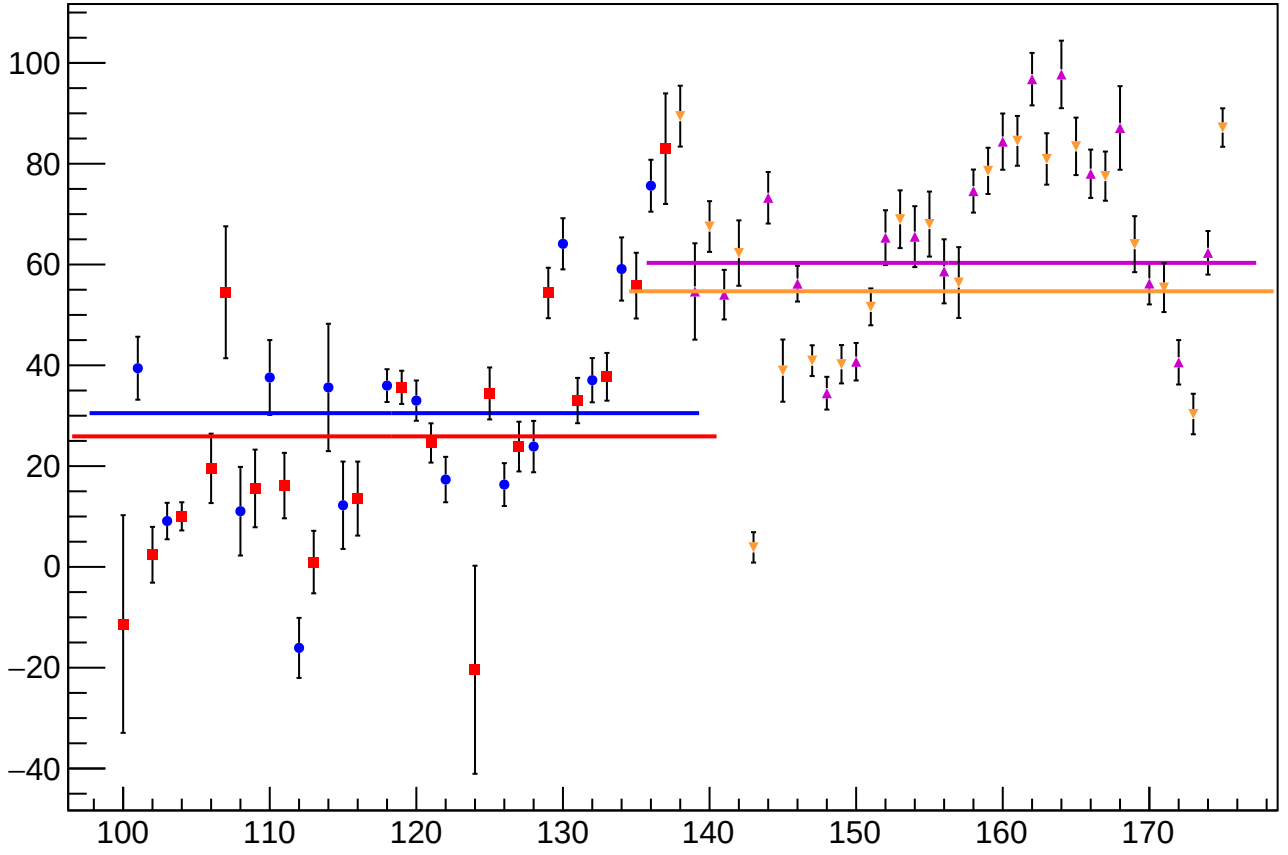
Left In: 260.740+/-1.369 χ^2/NDF:790.9/17

+ sign 182.653+/-0.839 χ^2/NDF: 23204.2/35

All: 188.057+/-0.601 χ^2/NDF: 44303.0/72

- sign 193.740+/-0.861 χ^2/NDF: 21013.7/36

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 54.687+/-1.022 χ^2/NDF:626.9/19

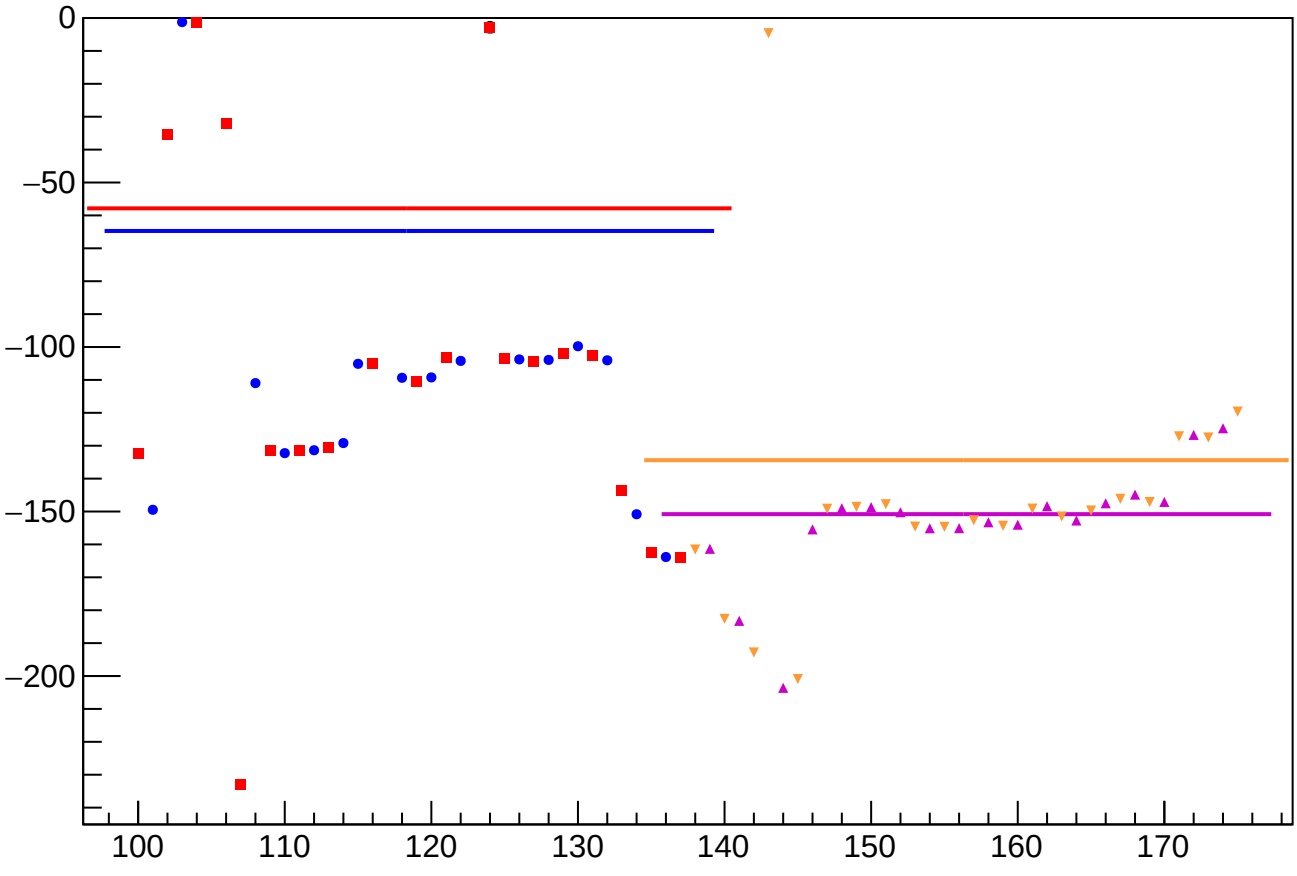
Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 60.327+/-1.126 χ^2/NDF:257.5/17

+ sign 45.045+/-0.792 χ^2/NDF: 1127.1/35

All: 44.736+/-0.571 χ^2/NDF: 2005.4/72

- sign 44.400+/-0.825 χ^2/NDF: 878.0/36



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -134.393+/-0.048 χ^2/NDF:973758.7/19

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

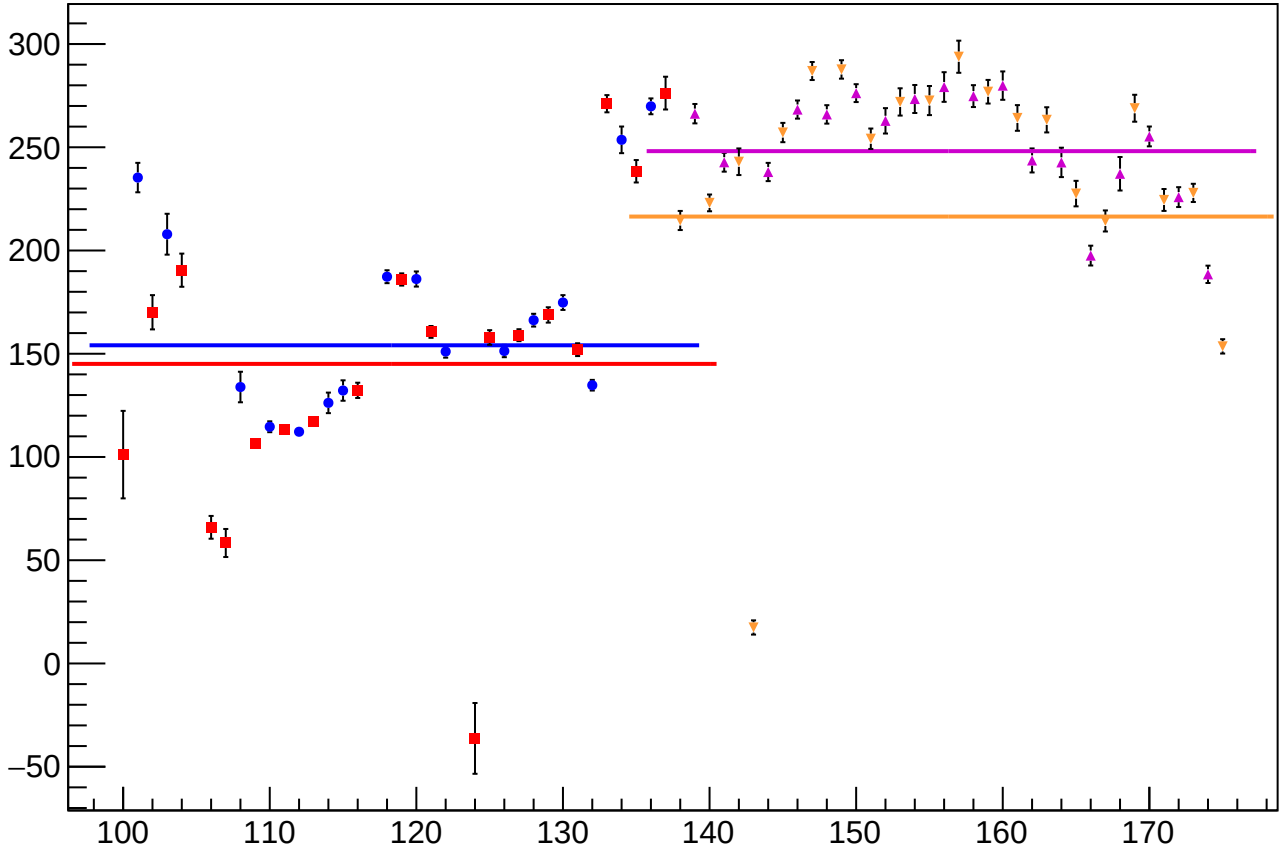
Left In: -150.796+/-0.051 χ^2/NDF:99206.7/17

+ sign -109.006+/-0.039 χ^2/NDF: 2776248.0/35

All: -111.021+/-0.028 χ^2/NDF: 5087348.6/72

- sign -113.147+/-0.040 χ^2/NDF: 2305471.9/36

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 216.442+/-1.114 χ^2/NDF:4873.5/19

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

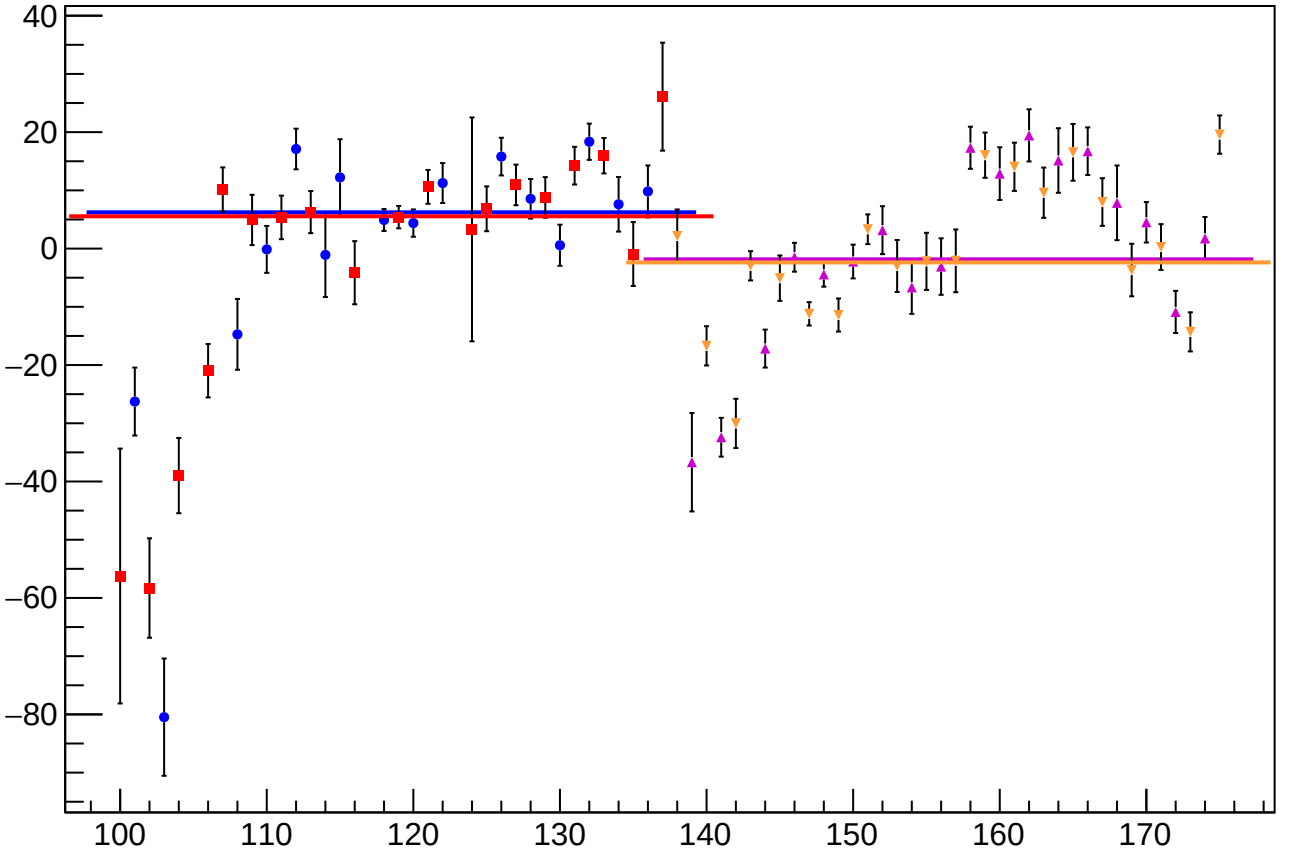
Left In: 248.123+/-1.217 χ^2/NDF:524.9/17

+ sign 177.687+/-0.685 χ^2/NDF: 9101.7/35

All: 177.638+/-0.484 χ^2/NDF: 17494.0/72

- sign 177.590+/-0.683 χ^2/NDF: 8392.3/36

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -2.372+/-0.780 χ^2/NDF:221.7/19

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

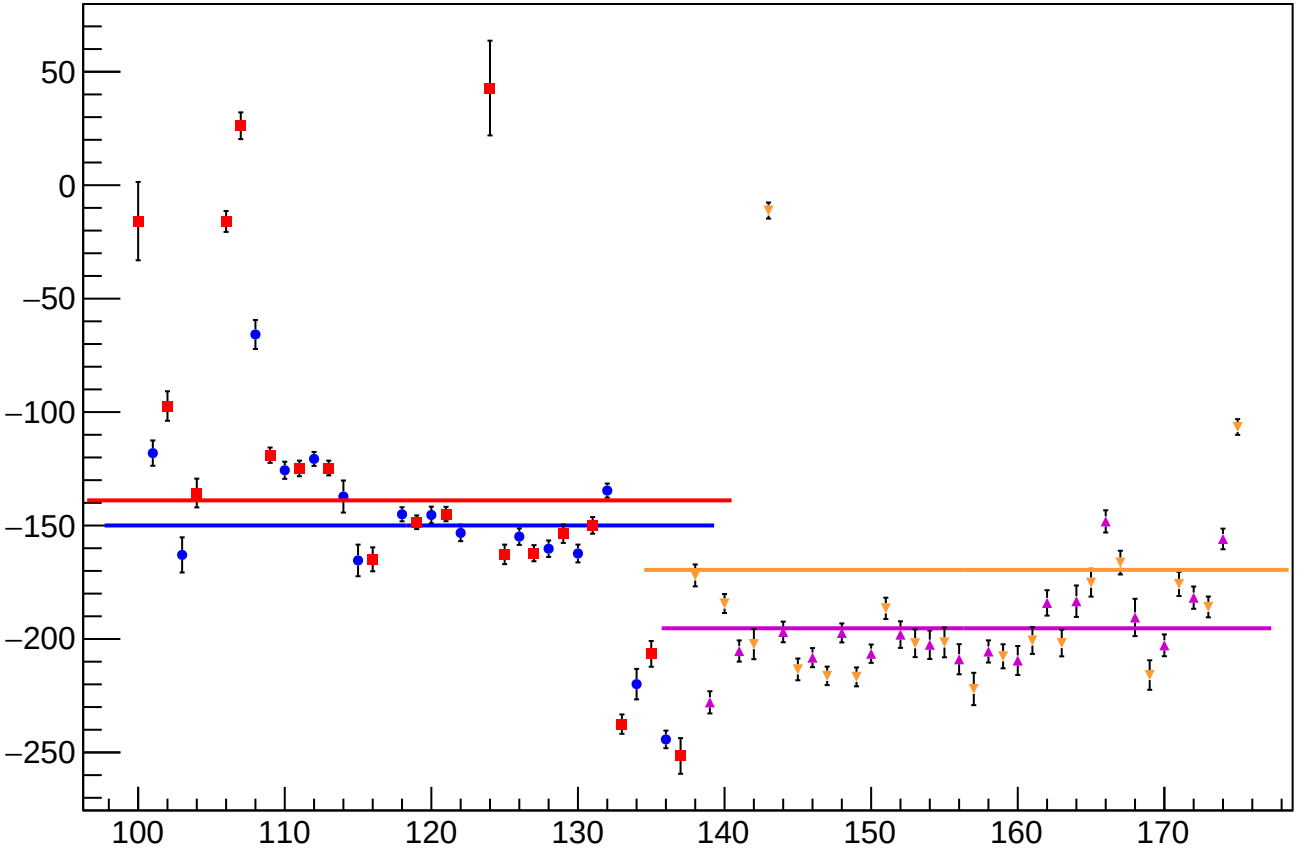
Left In: -1.843+/-0.851 χ^2/NDF:231.6/17

+ sign 1.365+/-0.587 χ^2/NDF: 436.6/35

All: 1.520+/-0.424 χ^2/NDF: 885.5/72

- sign 1.690+/-0.615 χ^2/NDF: 448.7/36

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -169.546+/-1.101 χ^2/NDF:3002.2/19

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

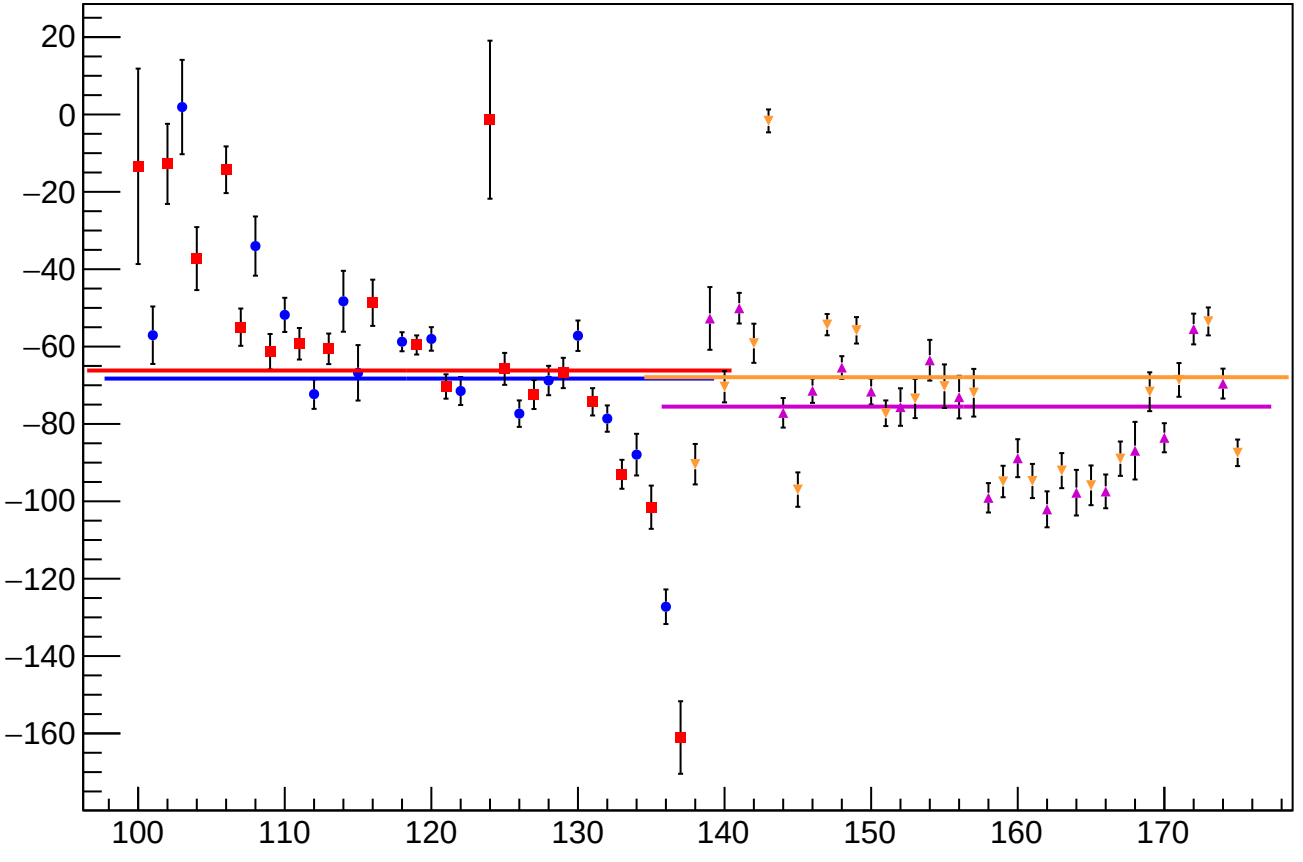
Left In: -195.282+/-1.198 χ^2/NDF:266.6/17

+ sign -159.066+/-0.750 χ^2/NDF: 4270.9/35

All: -160.447+/-0.536 χ^2/NDF: 8607.2/72

- sign -161.881+/-0.765 χ^2/NDF: 4329.4/36

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -67.914+/-0.909 χ^2/NDF:821.9/19

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

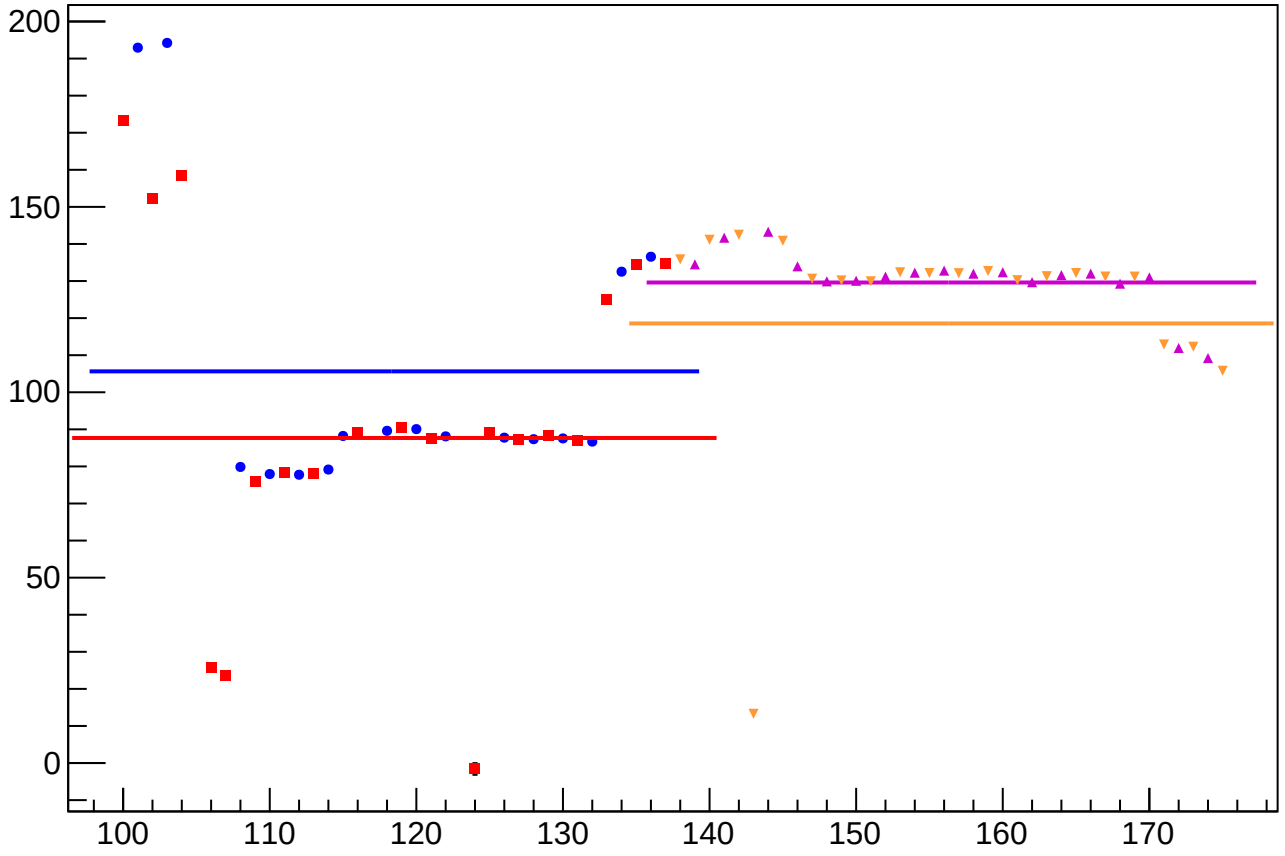
Left In: -75.521+/-0.989 χ^2/NDF:222.5/17

+ sign -68.070+/-0.683 χ^2/NDF: 1137.4/35

All: -69.482+/-0.492 χ^2/NDF: 1770.1/72

- sign -71.016+/-0.711 χ^2/NDF: 623.8/36

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 118.564+/-0.043 χ^2/NDF:613127.1/19

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

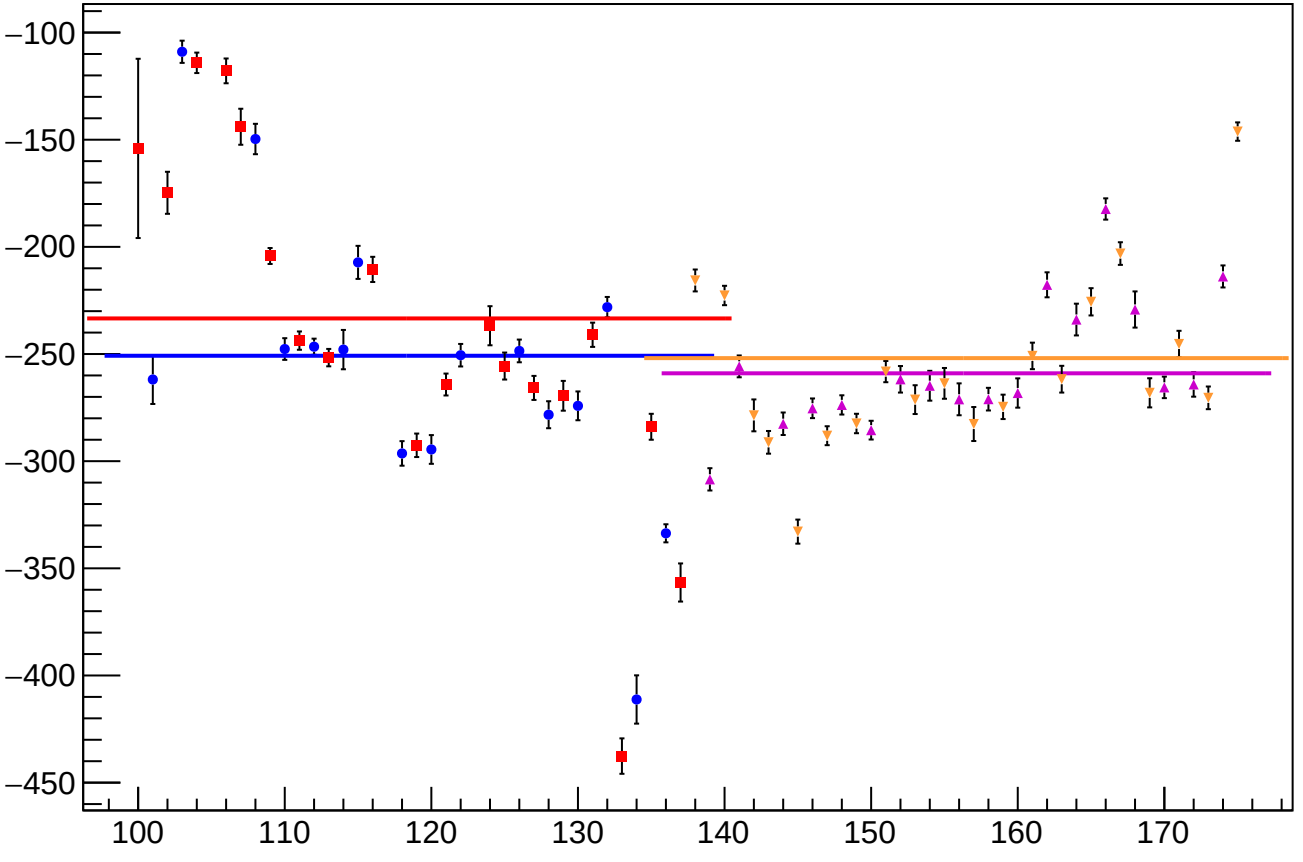
Left In: 129.606+/-0.045 χ^2/NDF:38225.8/17

\+ sign 115.103+/-0.037 χ^2/NDF: 877118.5/35

All: 115.639+/-0.026 χ^2/NDF: 1567854.3/72

\- sign 116.188+/-0.037 χ^2/NDF: 690303.6/36

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -251.917+/-1.238 χ^2/NDF:1254.8/19

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

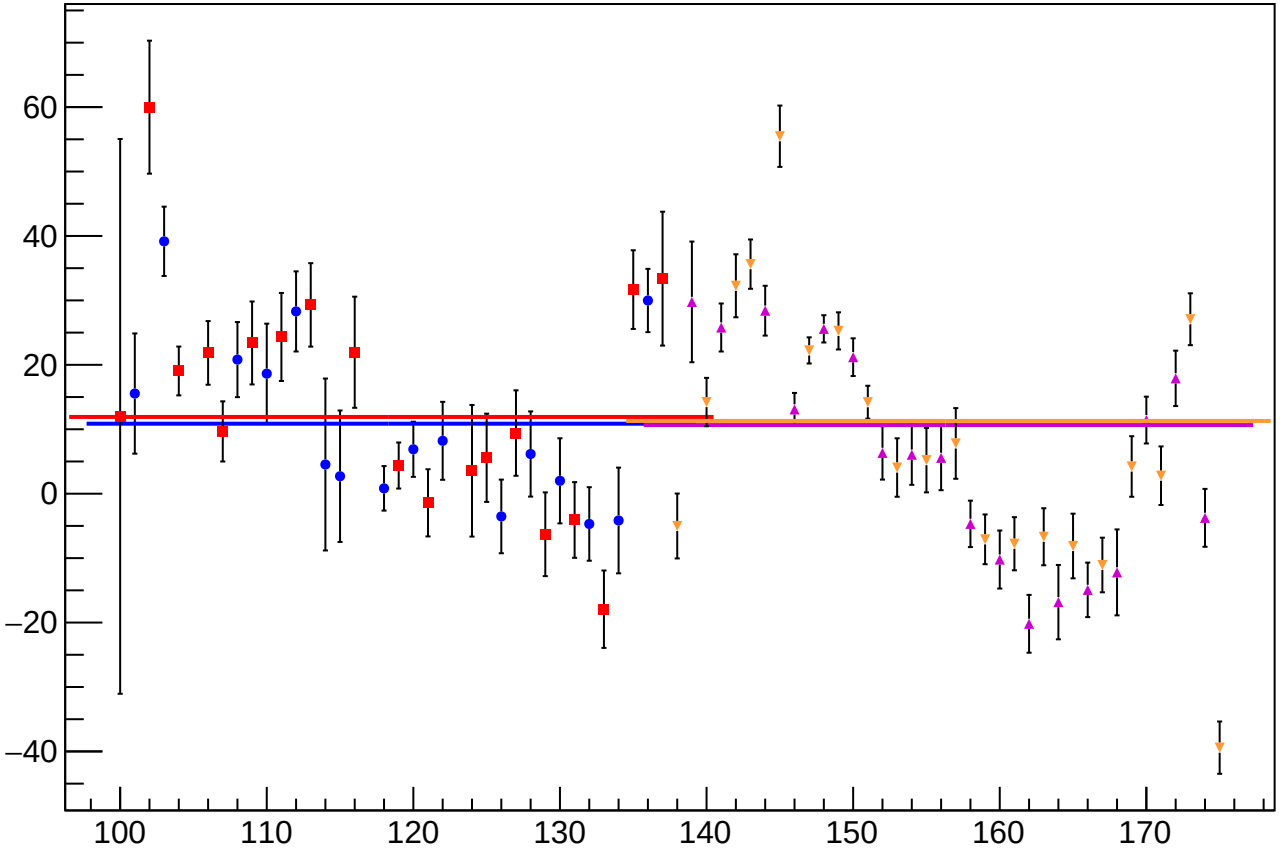
Left In: -259.003+/-1.298 χ^2/NDF:574.1/17

+ sign -251.447+/-0.938 χ^2/NDF: 2990.8/35

All: -248.972+/-0.661 χ^2/NDF: 6146.6/72

- sign -246.541+/-0.930 χ^2/NDF: 3142.0/36

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 11.292+/-0.848 χ^2/NDF:495.0/19

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

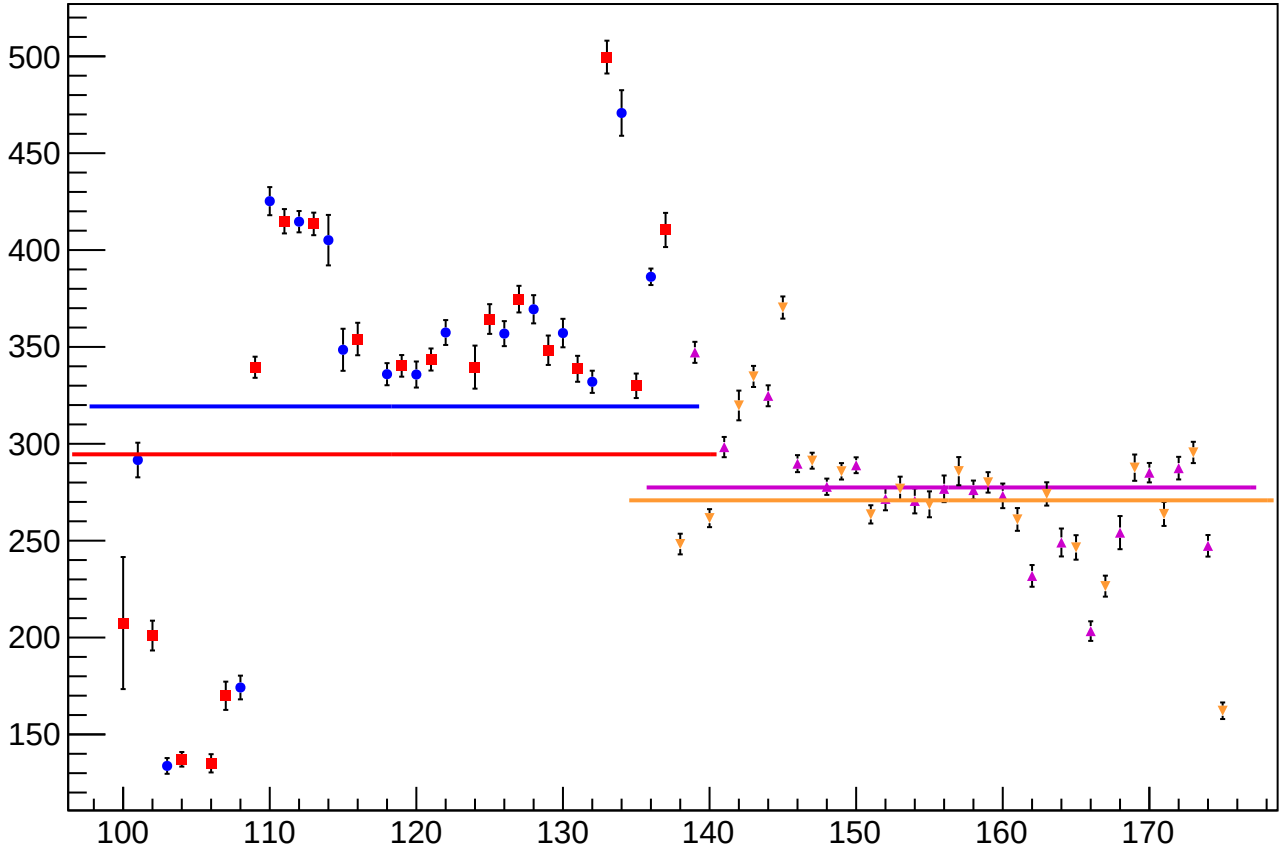
Left In: 10.651+/-0.894 χ^2/NDF:279.5/17

\+ sign 11.185+/-0.735 χ^2/NDF: 579.8/35

All: 11.108+/-0.524 χ^2/NDF: 971.8/72

\- sign 11.028+/-0.748 χ^2/NDF: 392.0/36

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 270.818+/-1.215 χ^2/NDF:1307.8/19

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

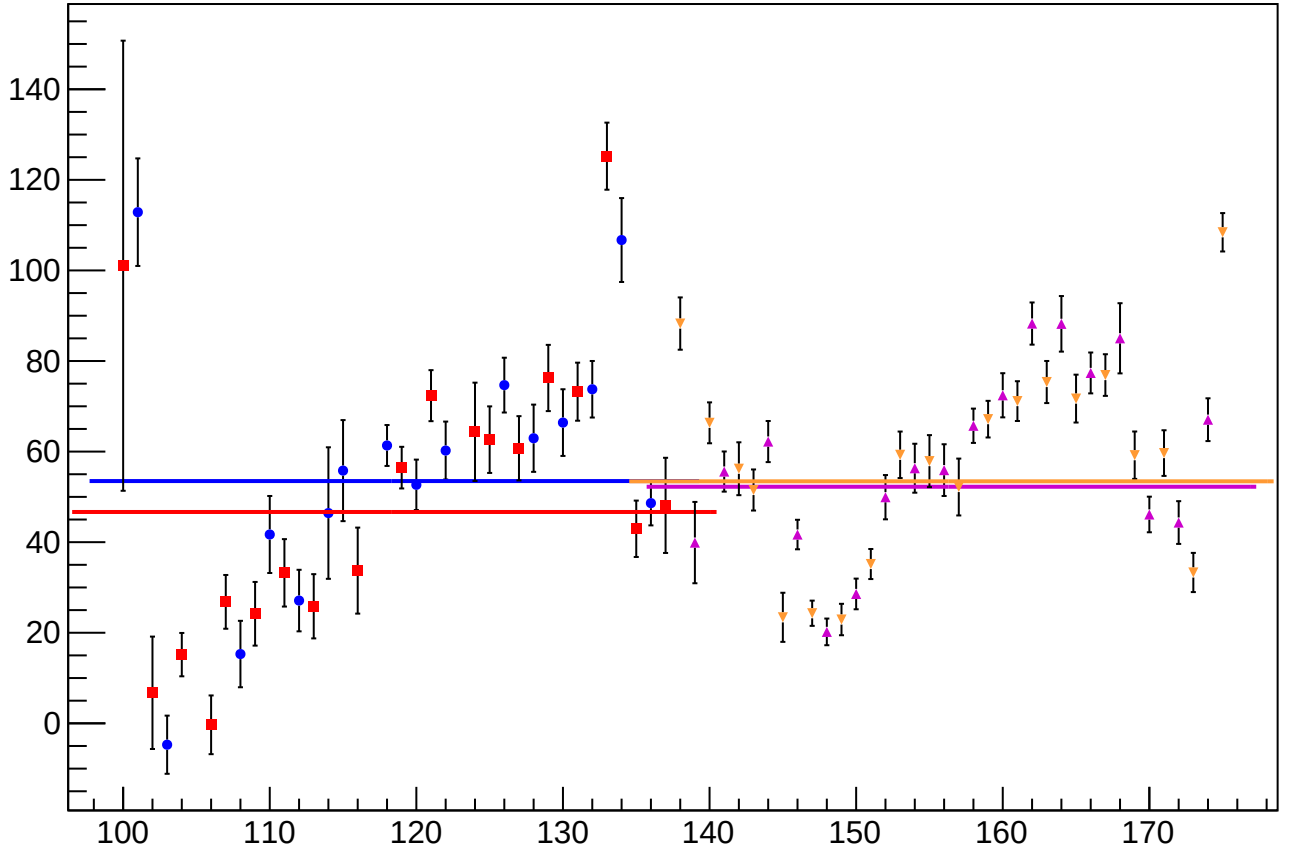
Left In: 277.468+/-1.271 χ^2/NDF:614.4/17

+ sign 288.749+/-0.965 χ^2/NDF: 5689.3/35

All: 286.733+/-0.682 χ^2/NDF: 11892.5/72

- sign 284.717+/-0.965 χ^2/NDF: 6194.4/36

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 53.436+/-0.993 χ^2/NDF:575.3/19

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

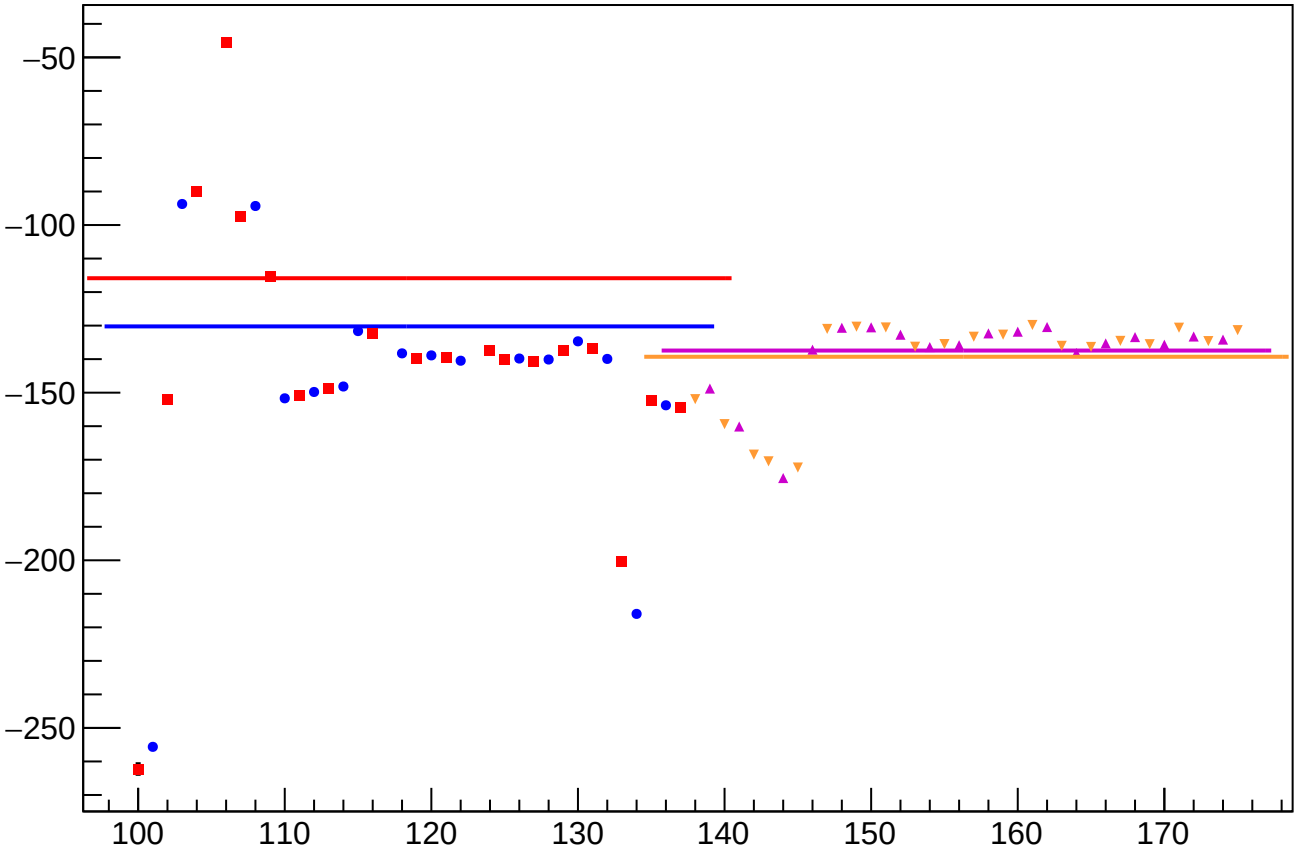
Left In: 52.239+/-1.043 χ^2/NDF:374.4/17

+ sign 53.451+/-0.857 χ^2/NDF: 792.5/35

All: 52.035+/-0.611 χ^2/NDF: 1506.6/72

- sign 50.568+/-0.872 χ^2/NDF: 708.6/36

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -139.293+/-0.047 χ^2/NDF:78035.9/19

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

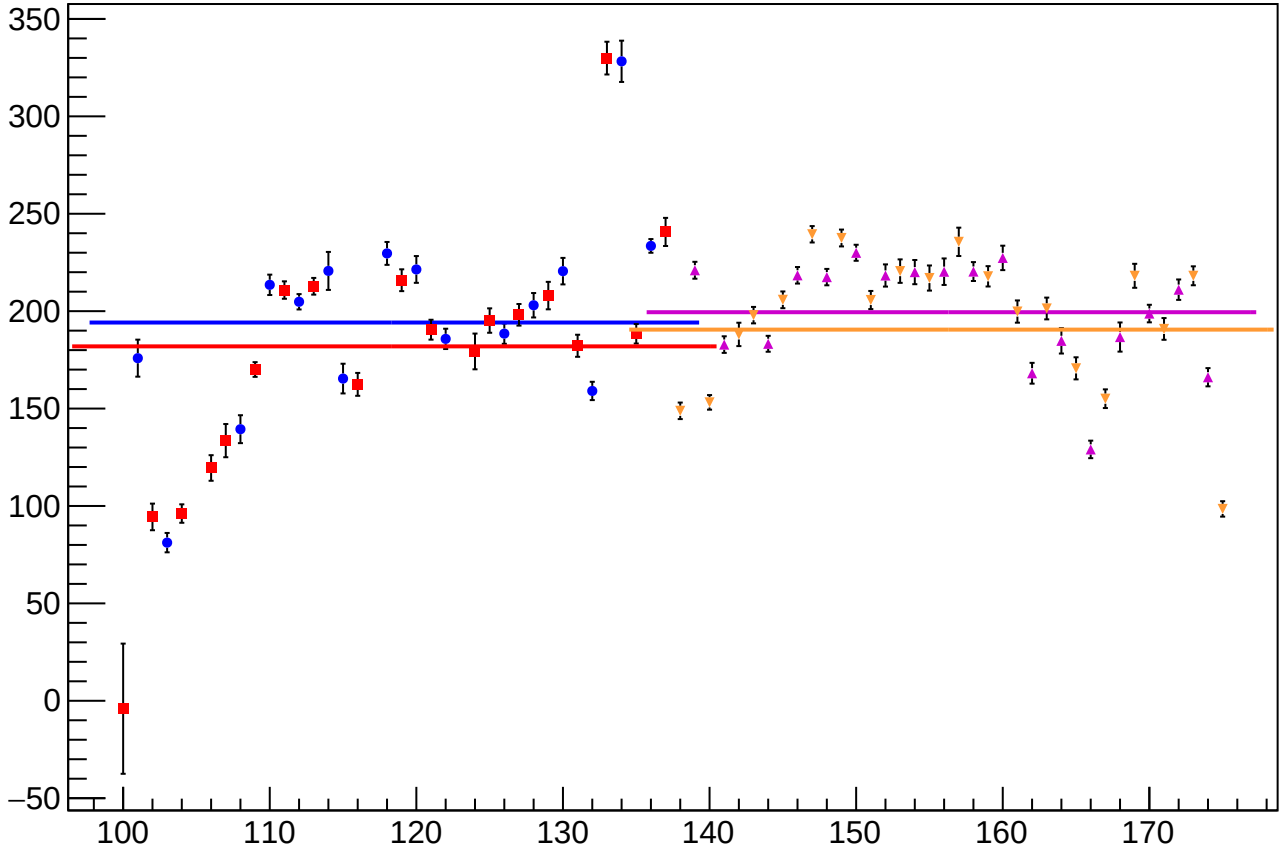
Left In: -137.437+/-0.048 χ^2/NDF:46983.6/17

+ sign -137.393+/-0.042 χ^2/NDF: 260057.1/35

All: -134.861+/-0.029 χ^2/NDF: 568645.8/72

- sign -132.329+/-0.042 χ^2/NDF: 301219.6/36

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 190.526+/-1.097 χ^2/NDF:1250.4/19

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

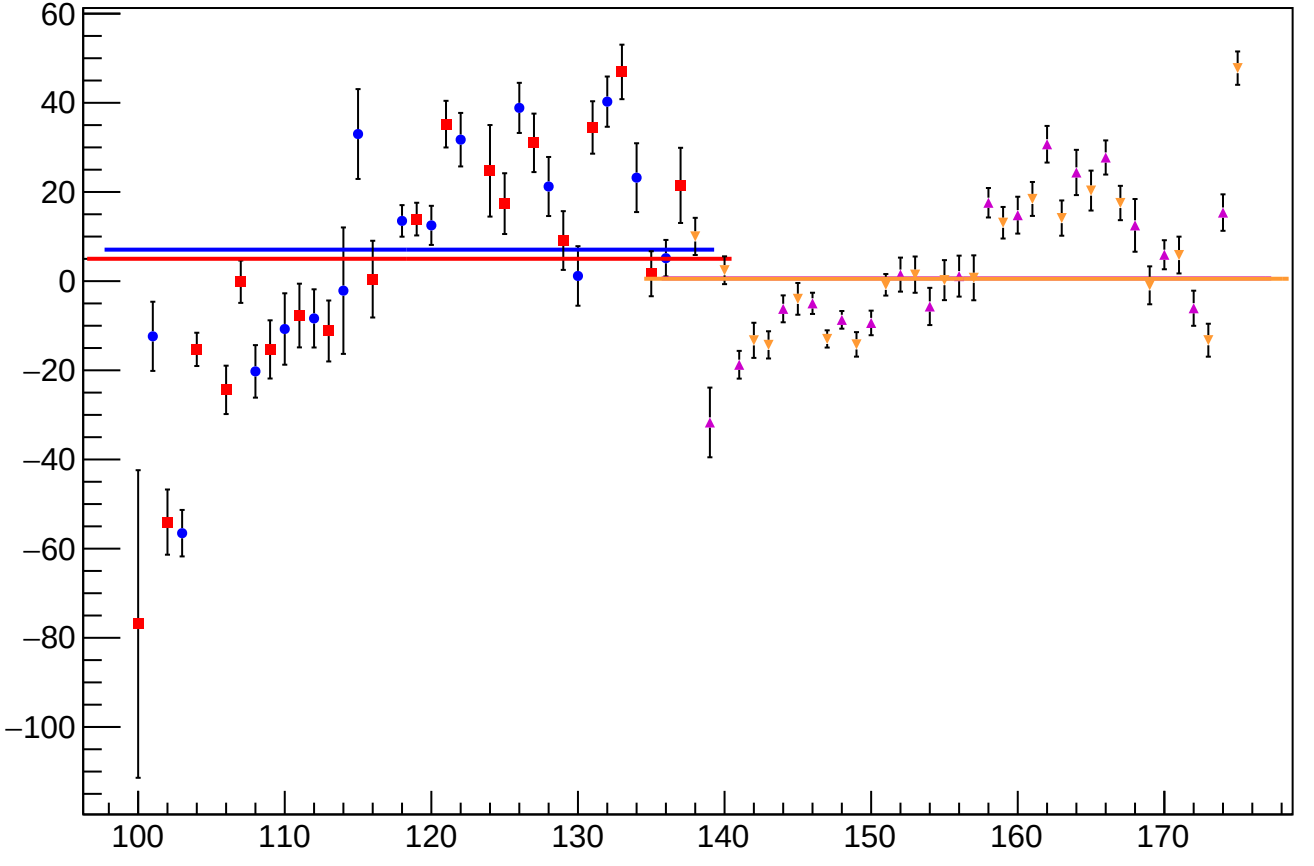
Left In: 199.461+/-1.160 χ^2/NDF:562.0/17

+ sign 191.903+/-0.865 χ^2/NDF: 2289.7/35

All: 191.867+/-0.614 χ^2/NDF: 4155.9/72

- sign 191.832+/-0.872 χ^2/NDF: 1866.2/36

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: 0.537+/-0.762 χ^2/NDF:381.4/19

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

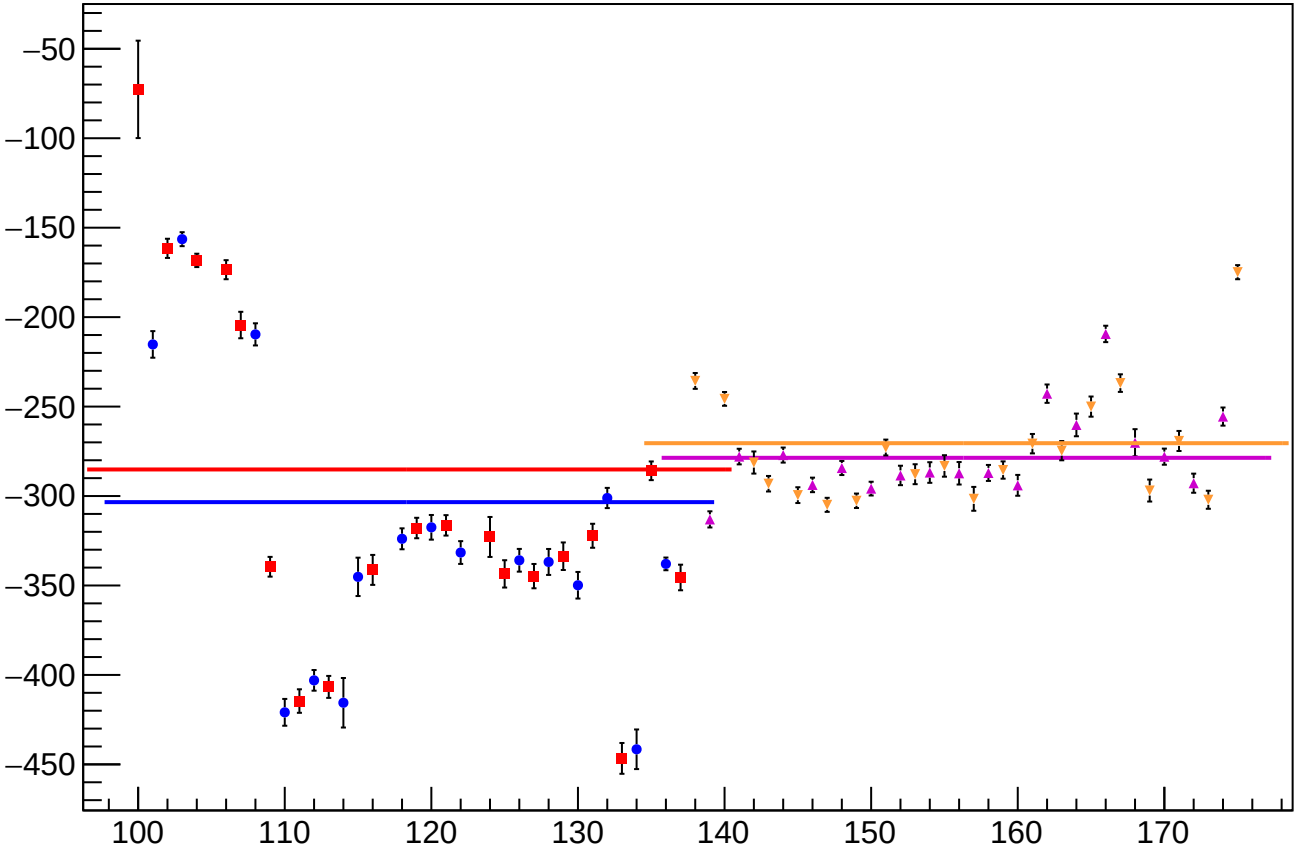
Left In: 0.616+/-0.809 χ^2/NDF:290.3/17

+ sign 1.962+/-0.674 χ^2/NDF: 690.0/35

All: 1.870+/-0.484 χ^2/NDF: 1276.6/72

- sign 1.772+/-0.694 χ^2/NDF: 586.6/36

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -270.458+/-1.082 χ^2/NDF:1068.7/19

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

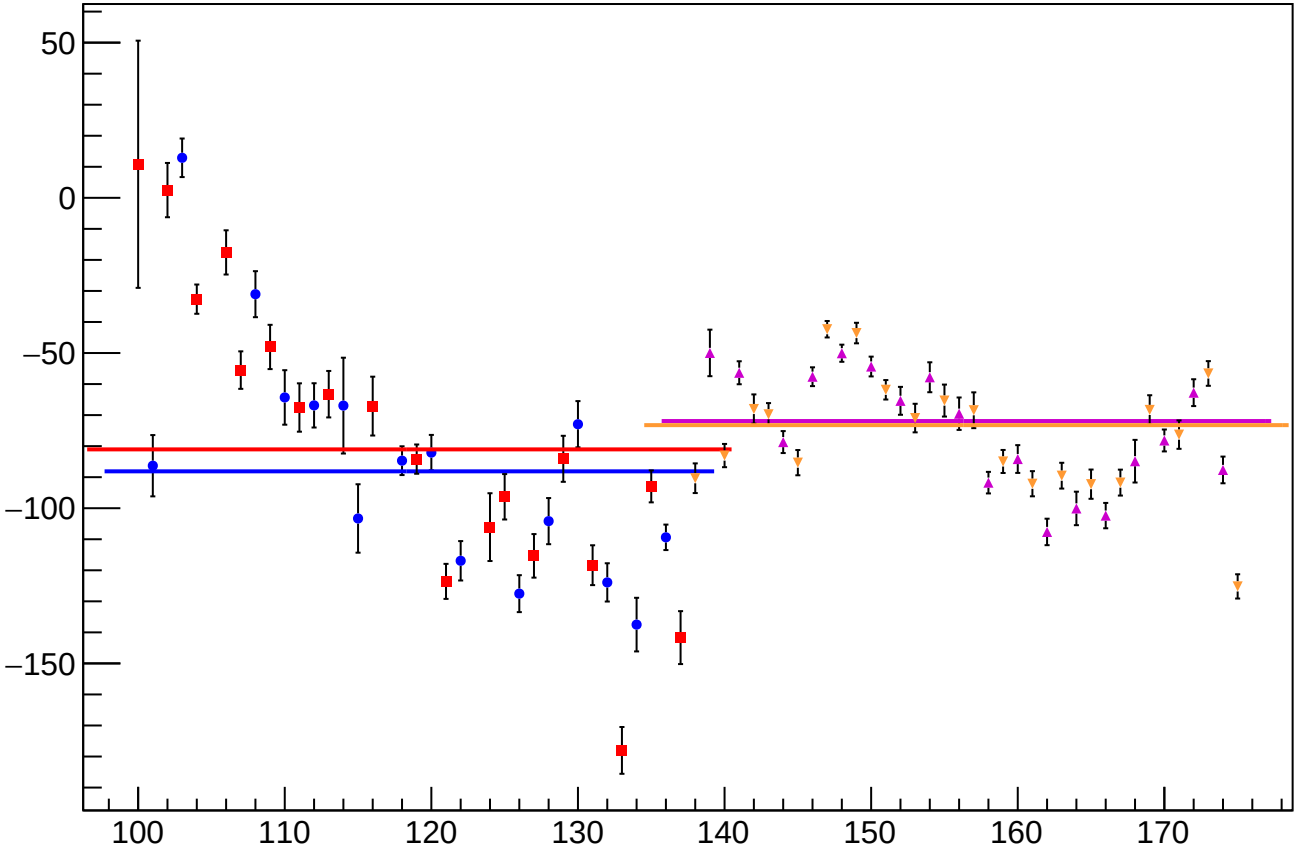
Left In: -278.637+/-1.139 χ^2/NDF:426.4/17

\+ sign -281.438+/-0.883 χ^2/NDF: 4163.4/35

All: -281.281+/-0.629 χ^2/NDF: 8357.2/72

\- sign -281.120+/-0.896 χ^2/NDF: 4193.7/36

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -73.234+/-0.890 χ^2/NDF:541.8/19

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

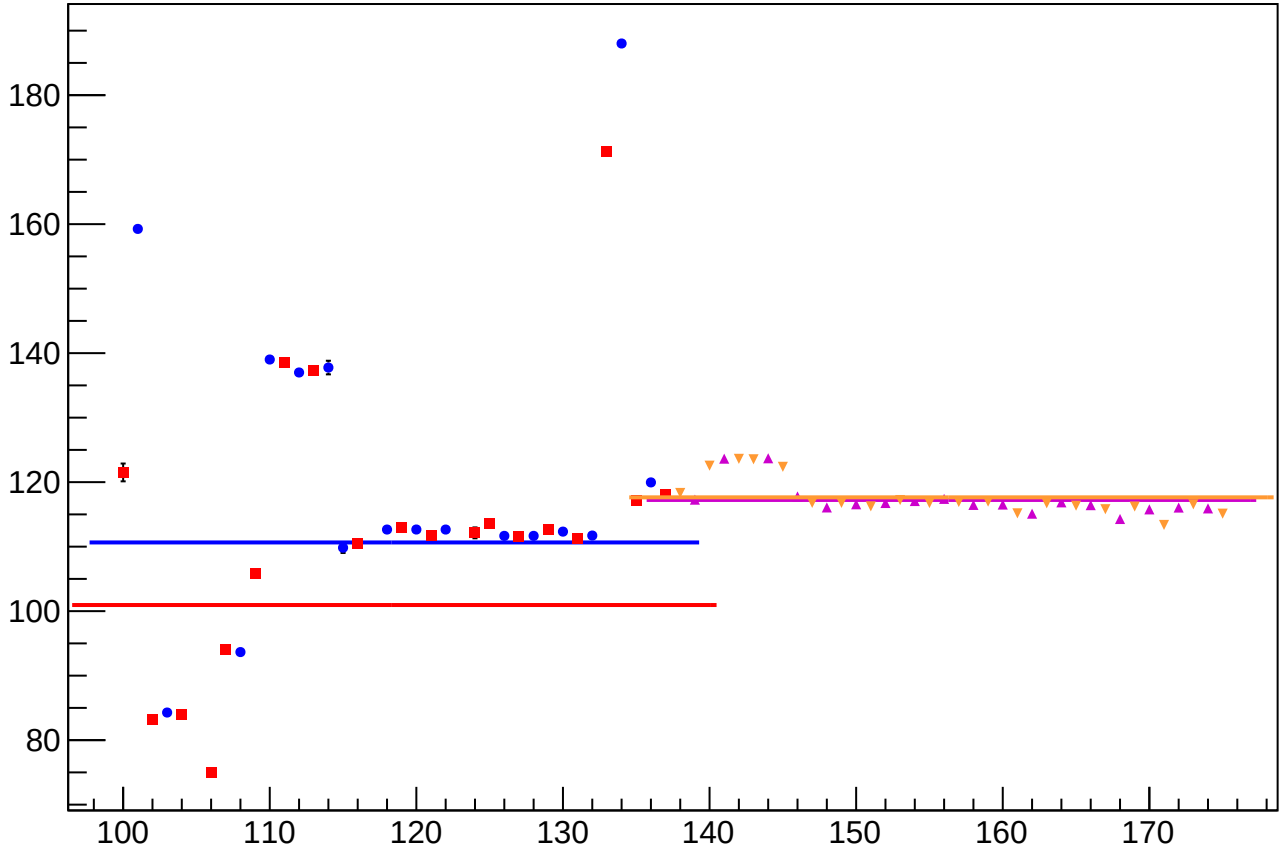
Left In: -71.911+/-0.941 χ^2/NDF:373.7/17

+ sign -76.574+/-0.784 χ^2/NDF: 1116.4/35

All: -75.483+/-0.562 χ^2/NDF: 2196.6/72

- sign -74.328+/-0.807 χ^2/NDF: 1076.2/36

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.644+/-0.042 χ^2/NDF:4467.4/19

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

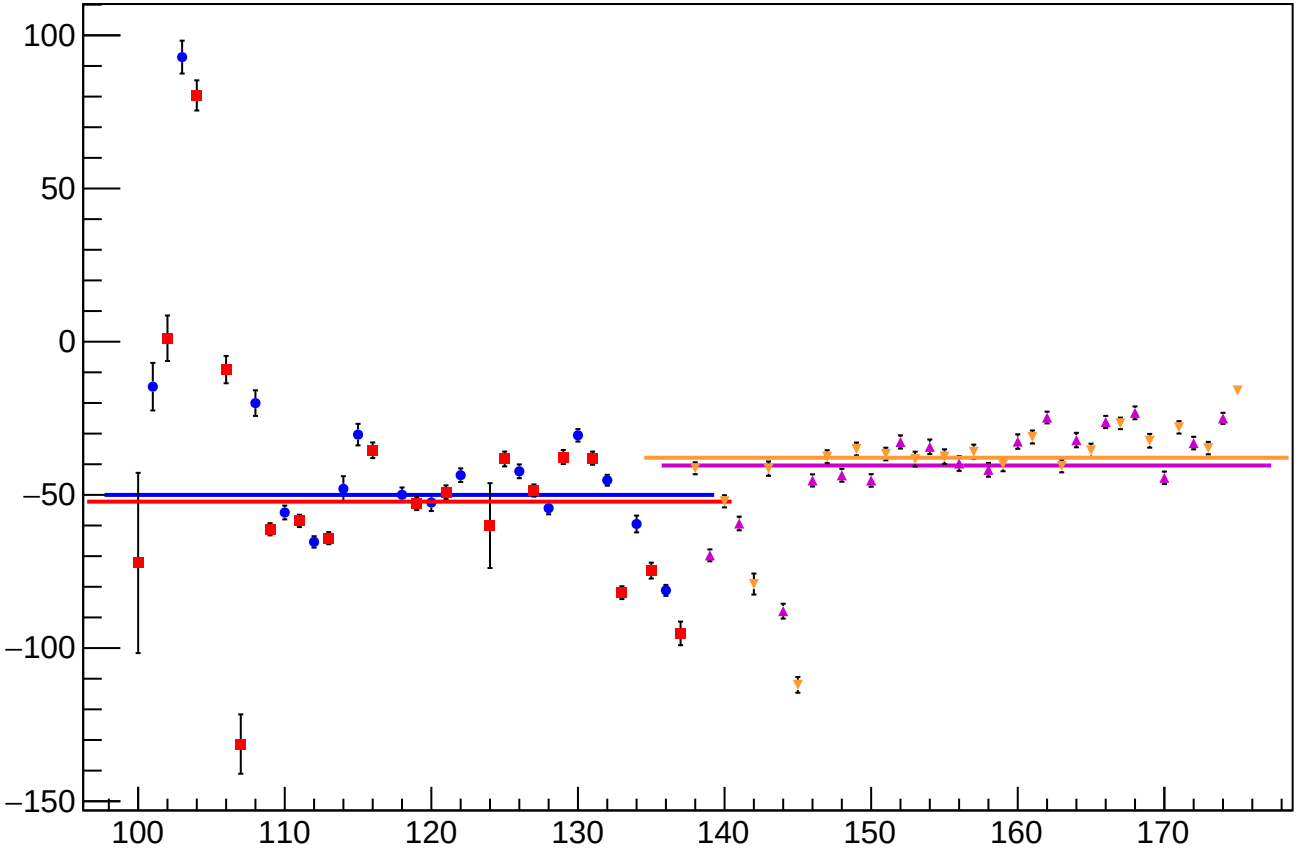
Left In: 117.240+/-0.043 χ^2/NDF:3043.6/17

+ sign 116.301+/-0.038 χ^2/NDF: 93354.0/35

All: 114.996+/-0.027 χ^2/NDF: 192438.4/72

- sign 113.672+/-0.038 χ^2/NDF: 96659.0/36

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -37.870+/-0.476 χ^2/NDF:1338.5/19

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

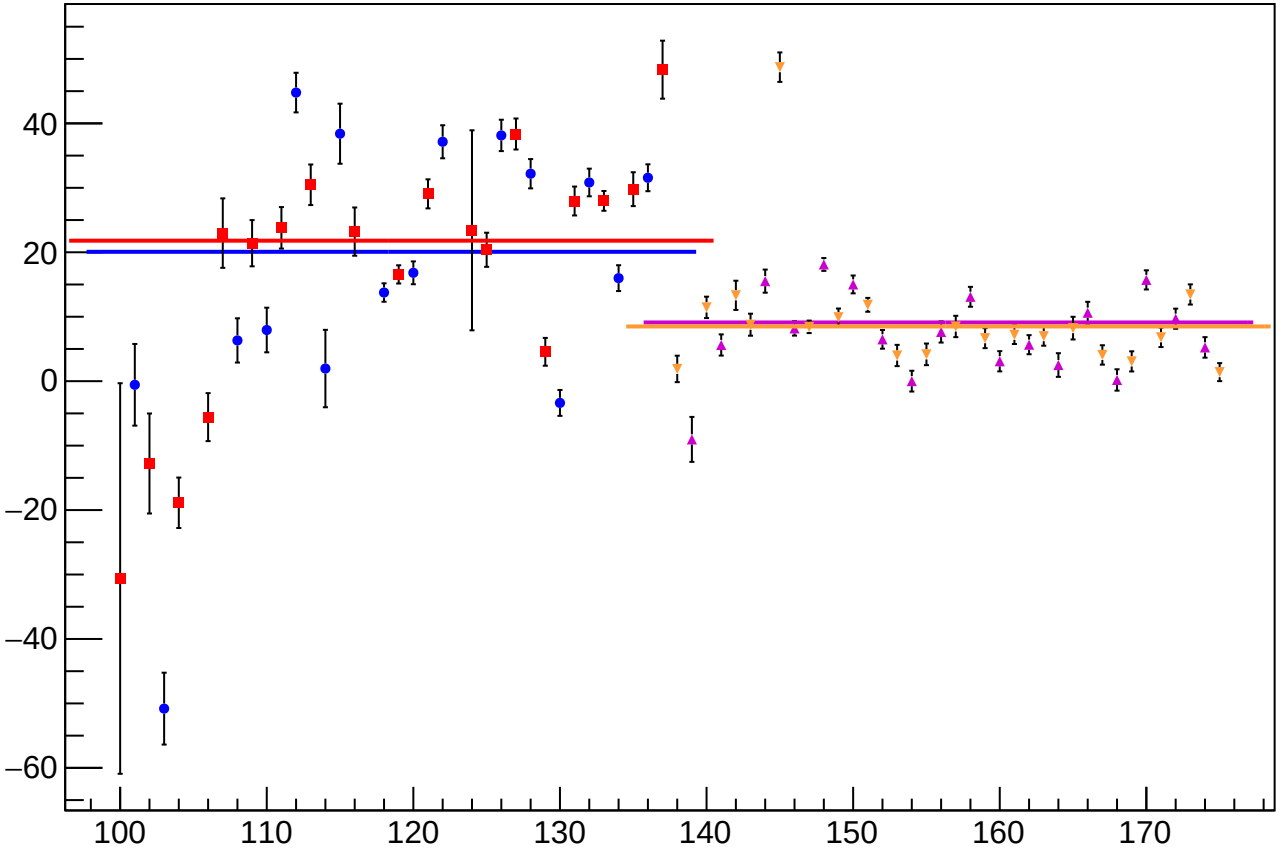
Left In: -40.411+/-0.500 χ^2/NDF:1012.8/17

+ sign -42.462+/-0.375 χ^2/NDF: 2912.1/35

All: -43.793+/-0.269 χ^2/NDF: 5746.9/72

- sign -45.198+/-0.385 χ^2/NDF: 2809.0/36

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.489+/-0.338 χ^2/NDF:413.8/19

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

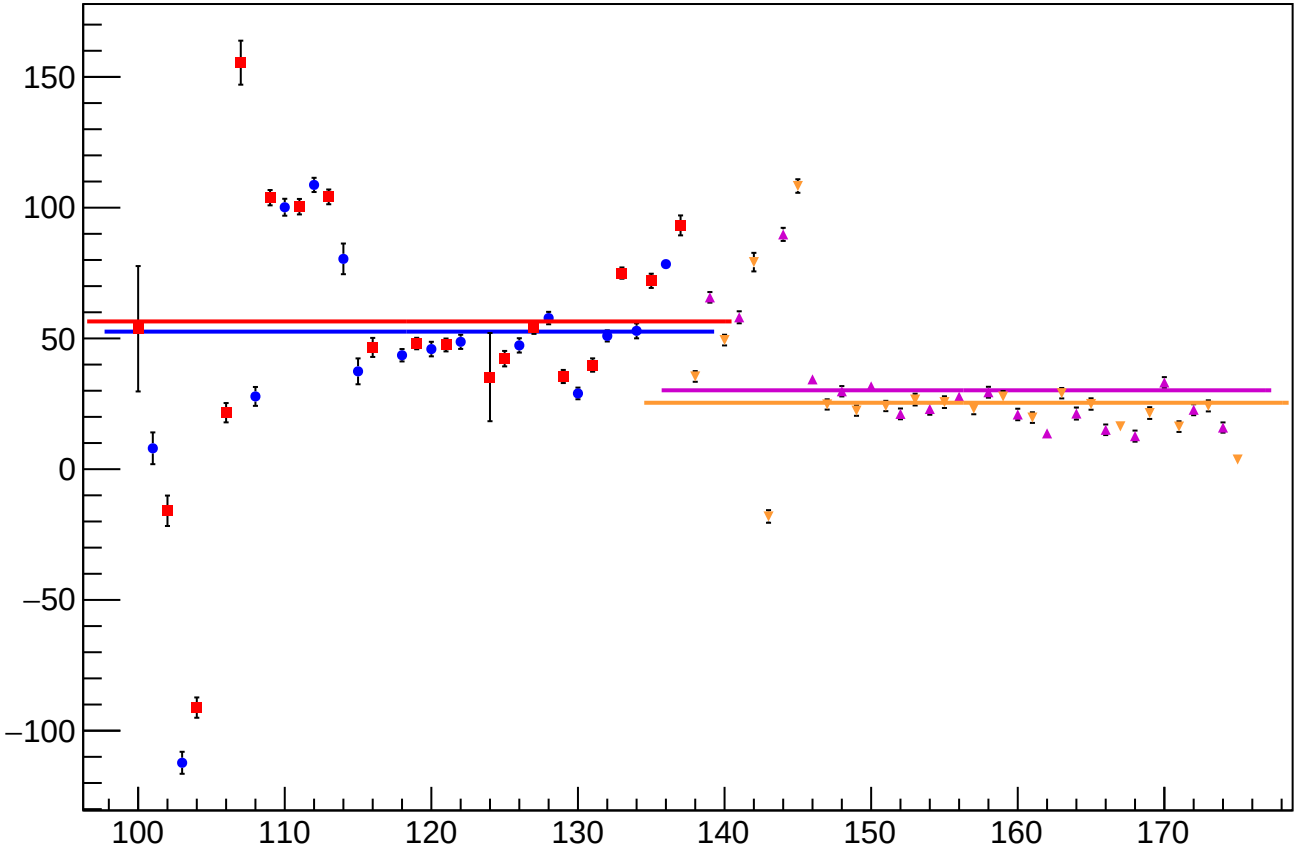
Left In: 9.110+/-0.356 χ^2/NDF:276.0/17

\+ sign 11.191+/-0.296 χ^2/NDF: 1324.7/35

All: 11.695+/-0.214 χ^2/NDF: 2316.4/72

\- sign 12.247+/-0.309 χ^2/NDF: 985.6/36

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 25.398+/-0.467 χ^2/NDF:2018.4/19

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

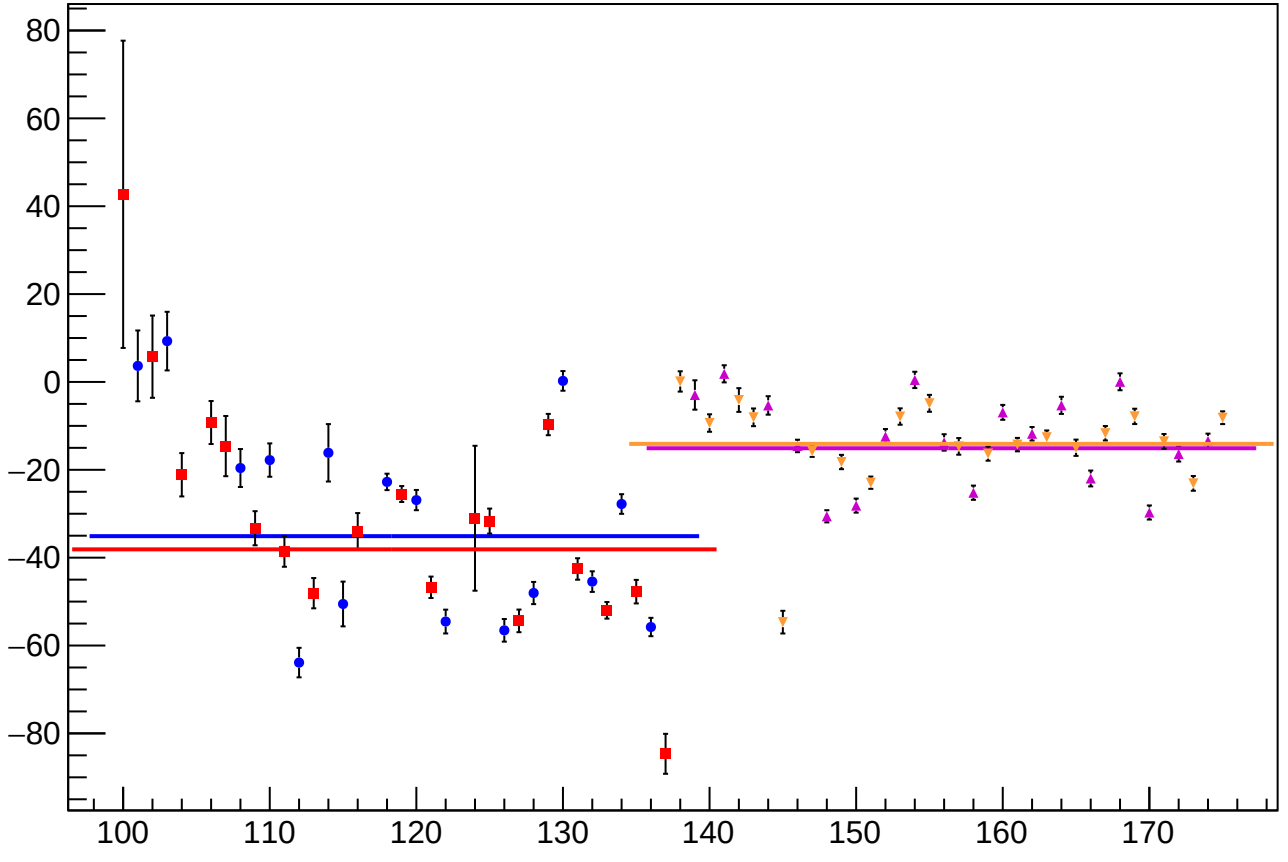
Left In: 30.164+/-0.491 χ^2/NDF:1363.6/17

+ sign 33.838+/-0.388 χ^2/NDF: 5730.8/35

All: 36.202+/-0.279 χ^2/NDF: 11076.3/72

- sign 38.752+/-0.403 χ^2/NDF: 5268.3/36

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.097+/-0.387 χ^2/NDF:458.4/19

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

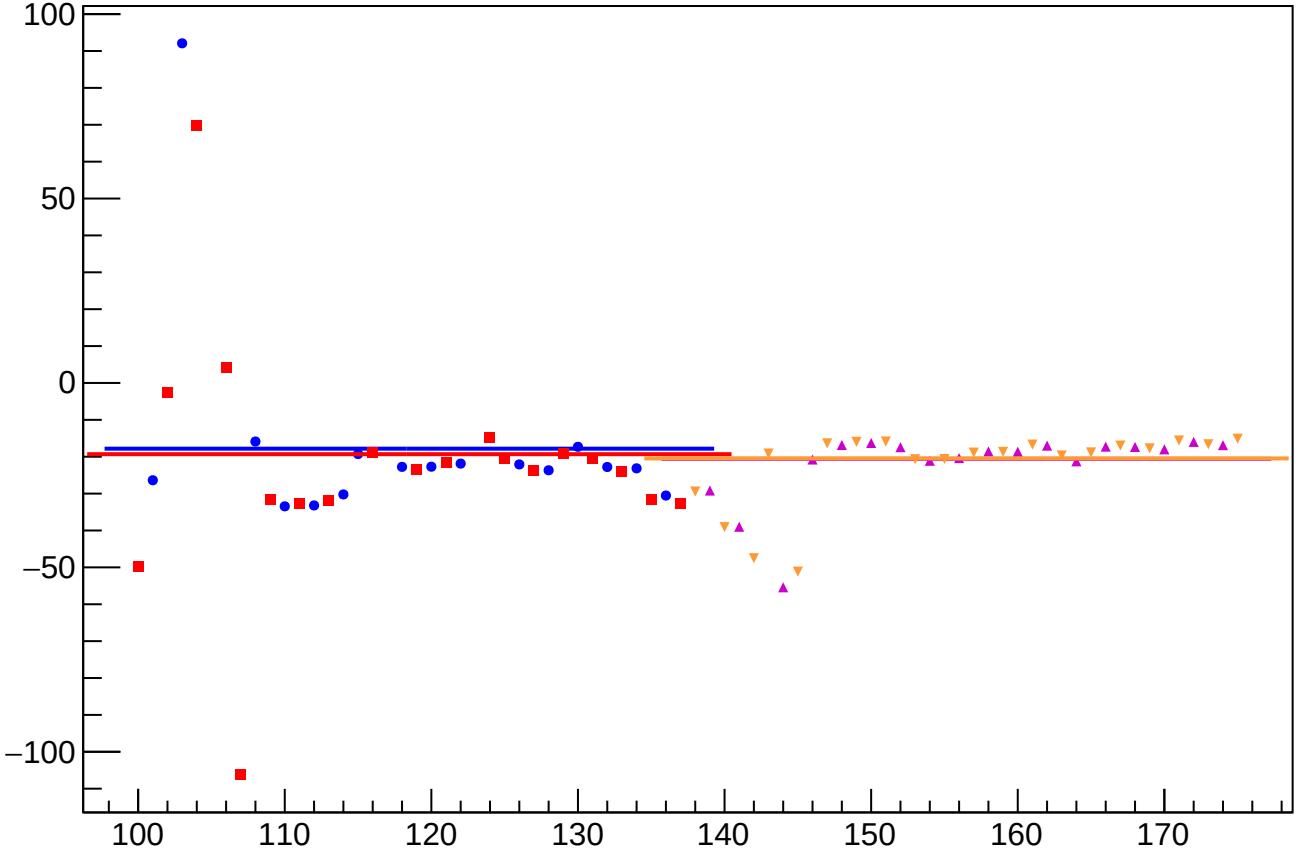
Left In: -15.093+/-0.409 χ^2/NDF:627.1/17

+ sign -19.024+/-0.339 χ^2/NDF: 1920.8/35

All: -19.862+/-0.245 χ^2/NDF: 3858.0/72

- sign -20.780+/-0.355 χ^2/NDF: 1924.4/36

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -20.463+/-0.018 χ^2/NDF:210162.4/19

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

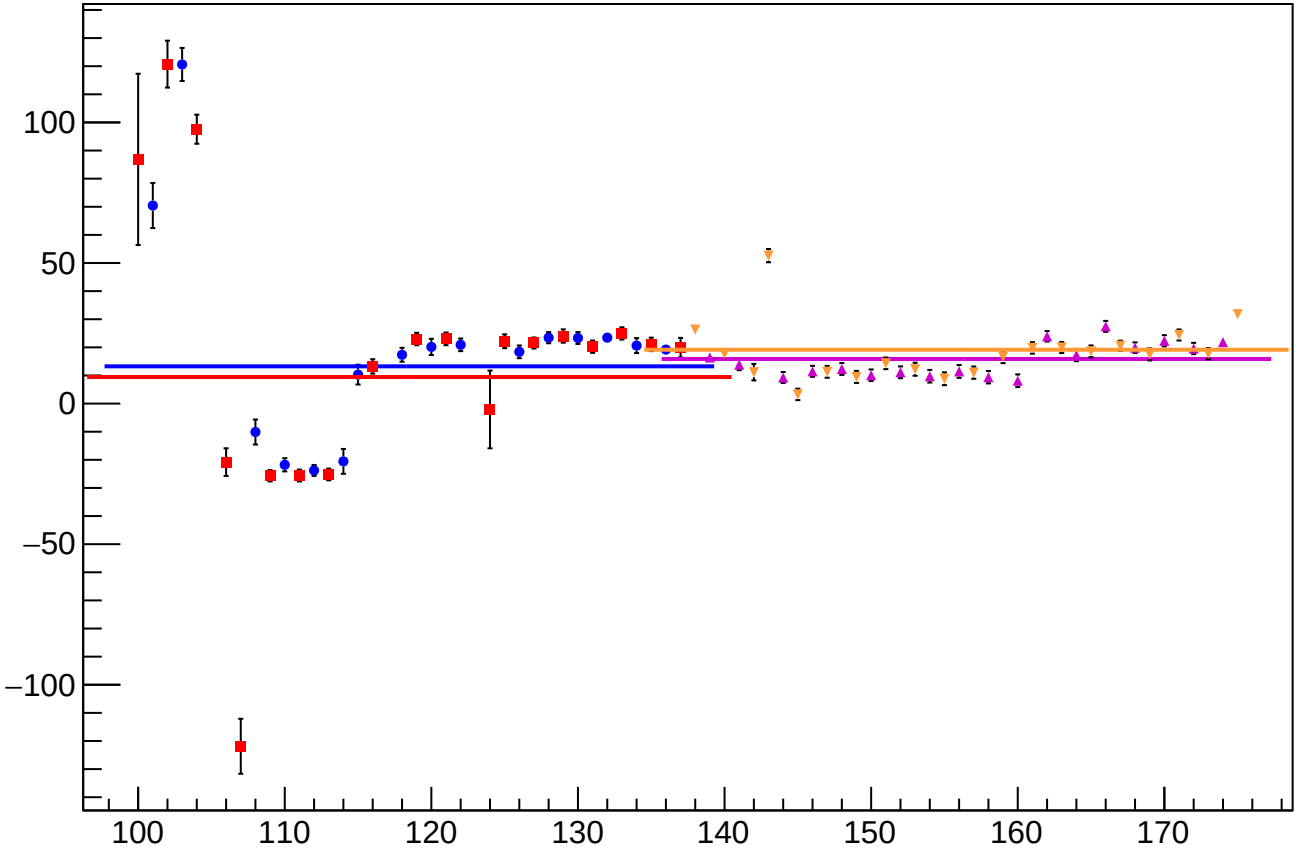
Left In: -20.576+/-0.018 χ^2/NDF:172245.6/17

+ sign -20.085+/-0.016 χ^2/NDF: 639479.7/35

All: -20.242+/-0.012 χ^2/NDF: 1157194.4/72

- sign -20.408+/-0.017 χ^2/NDF: 517526.0/36

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 19.153+/-0.453 χ^2/NDF:456.8/19

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

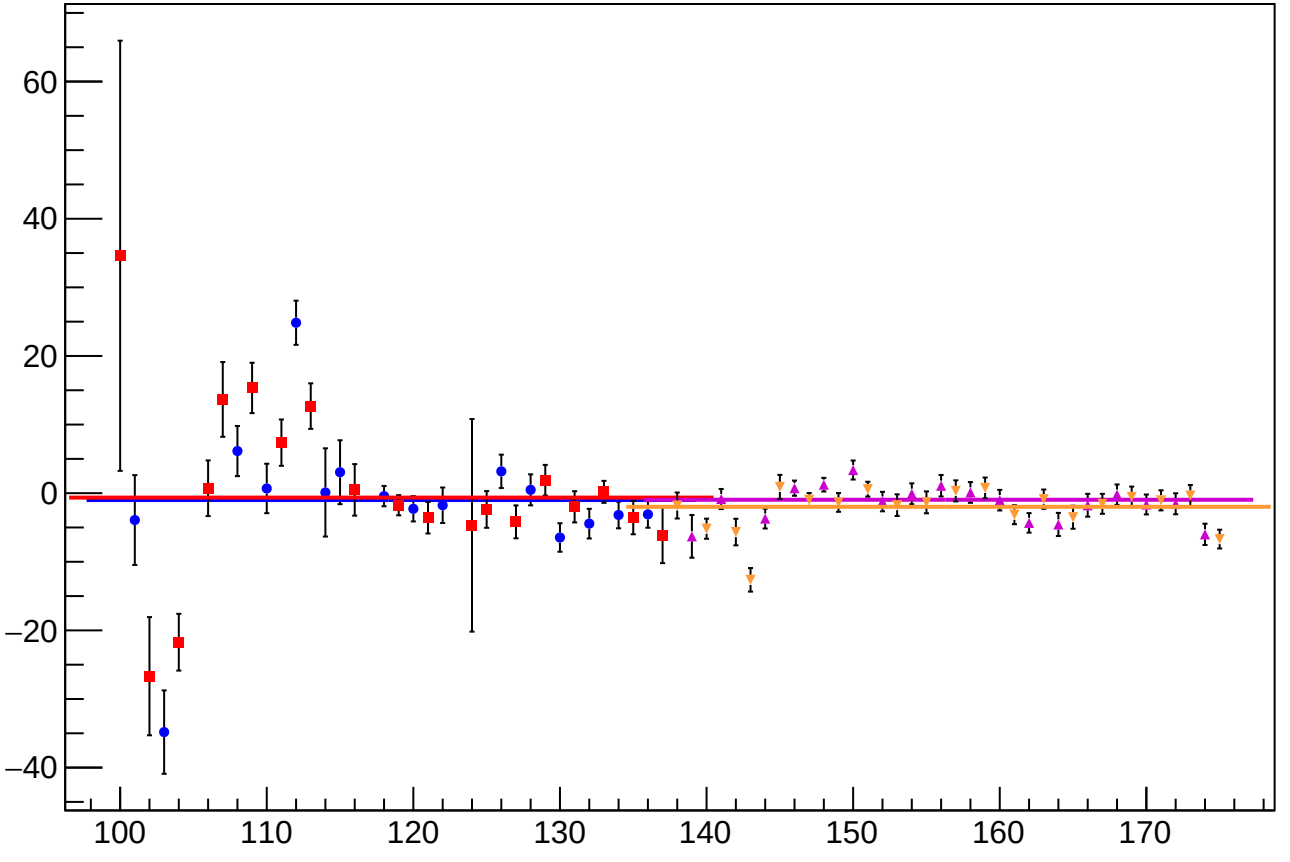
Left In: 15.874+/-0.473 χ^2/NDF:149.8/17

+ sign 17.077+/-0.365 χ^2/NDF: 1699.1/35

All: 15.331+/-0.261 χ^2/NDF: 3801.2/72

- sign 13.483+/-0.375 χ^2/NDF: 2055.0/36

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.989+/-0.325 χ^2/NDF:78.7/19

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

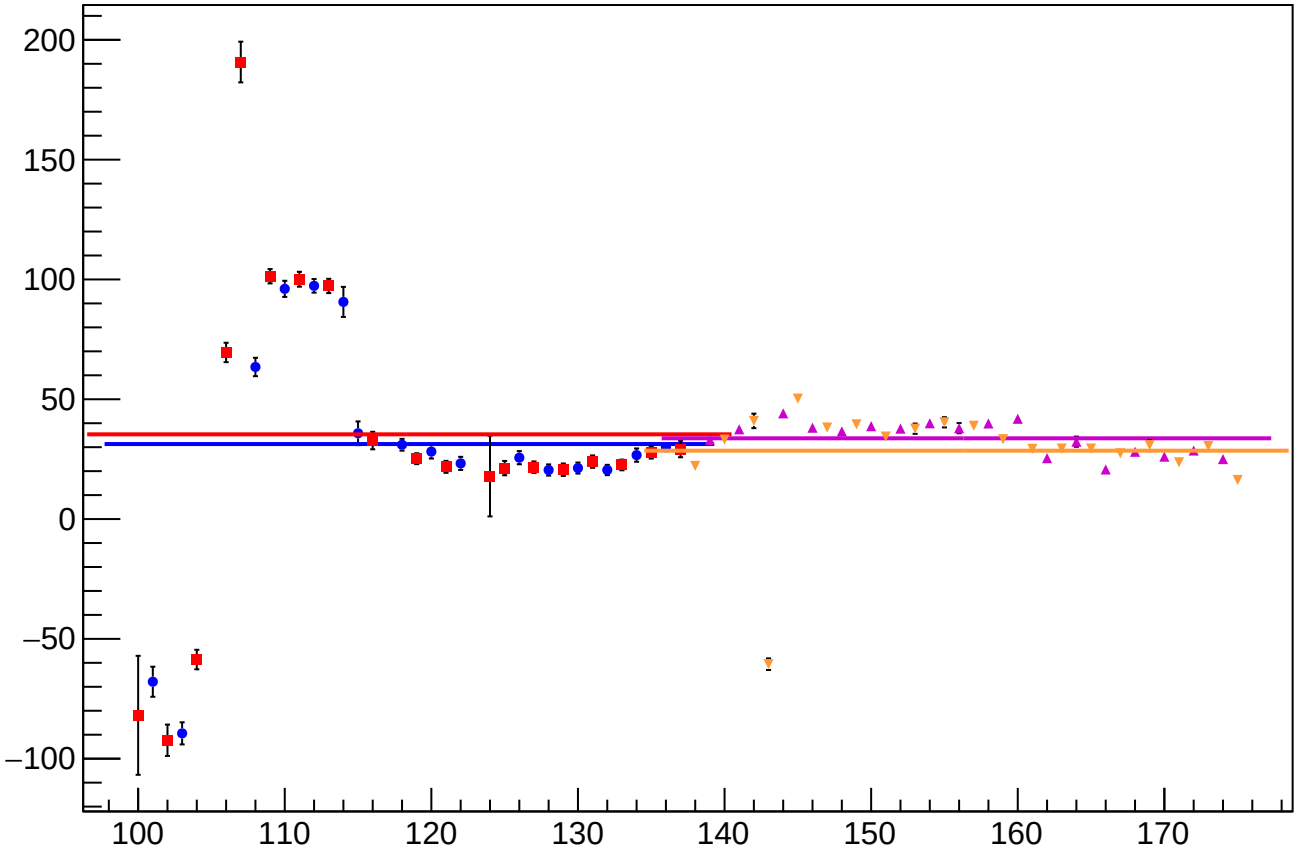
Left In: -0.959+/-0.341 χ^2/NDF:47.7/17

+ sign -1.775+/-0.287 χ^2/NDF: 197.1/35

All: -1.352+/-0.208 χ^2/NDF: 343.8/72

- sign -0.889+/-0.301 χ^2/NDF: 142.1/36

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 28.544+/-0.445 χ^2/NDF:1719.5/19

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

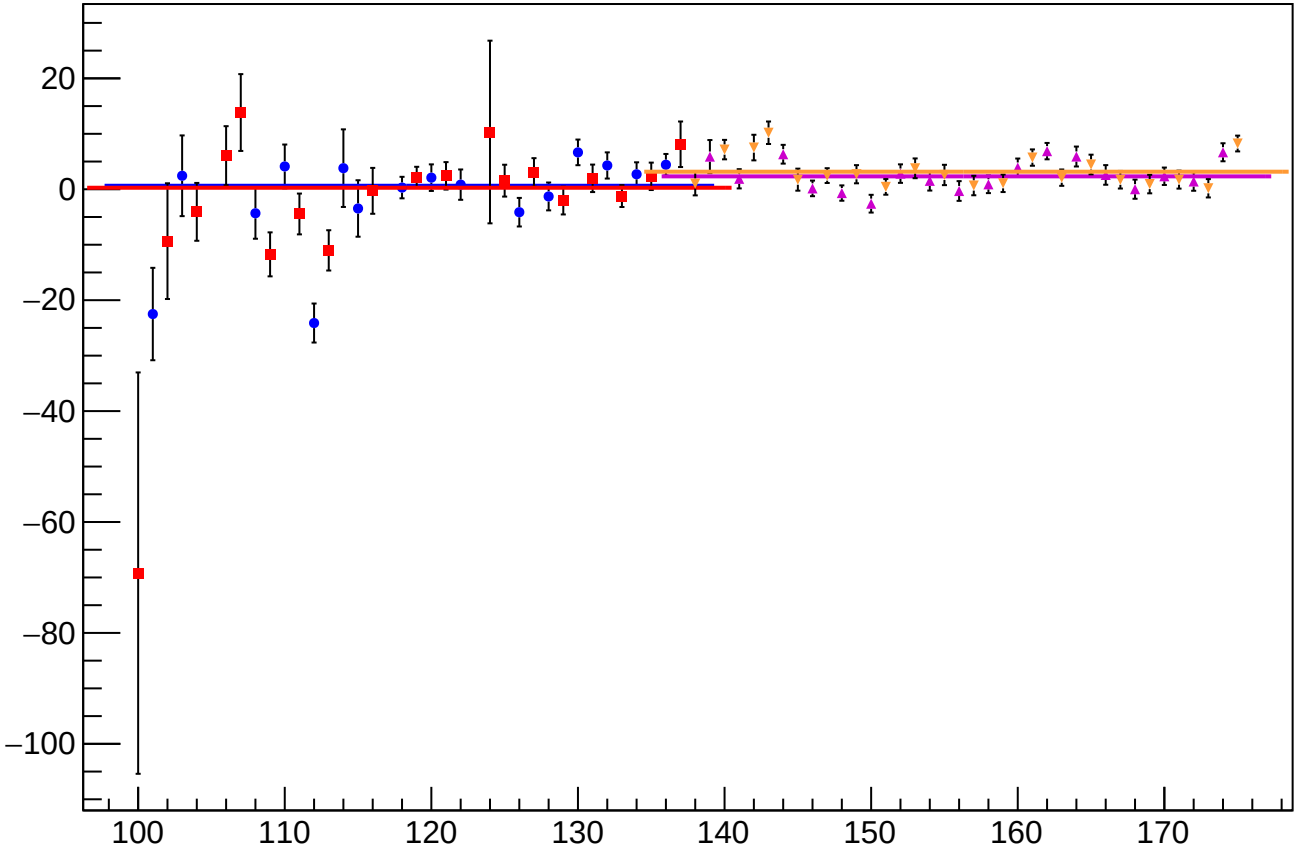
Left In: 33.705+/-0.466 χ^2/NDF:202.0/17

\+ sign 29.341+/-0.376 χ^2/NDF: 3816.5/35

All: 31.675+/-0.271 χ^2/NDF: 7000.2/72

\- sign 34.198+/-0.391 χ^2/NDF: 3103.4/36

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.169+/-0.372 χ^2/NDF:53.8/19

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

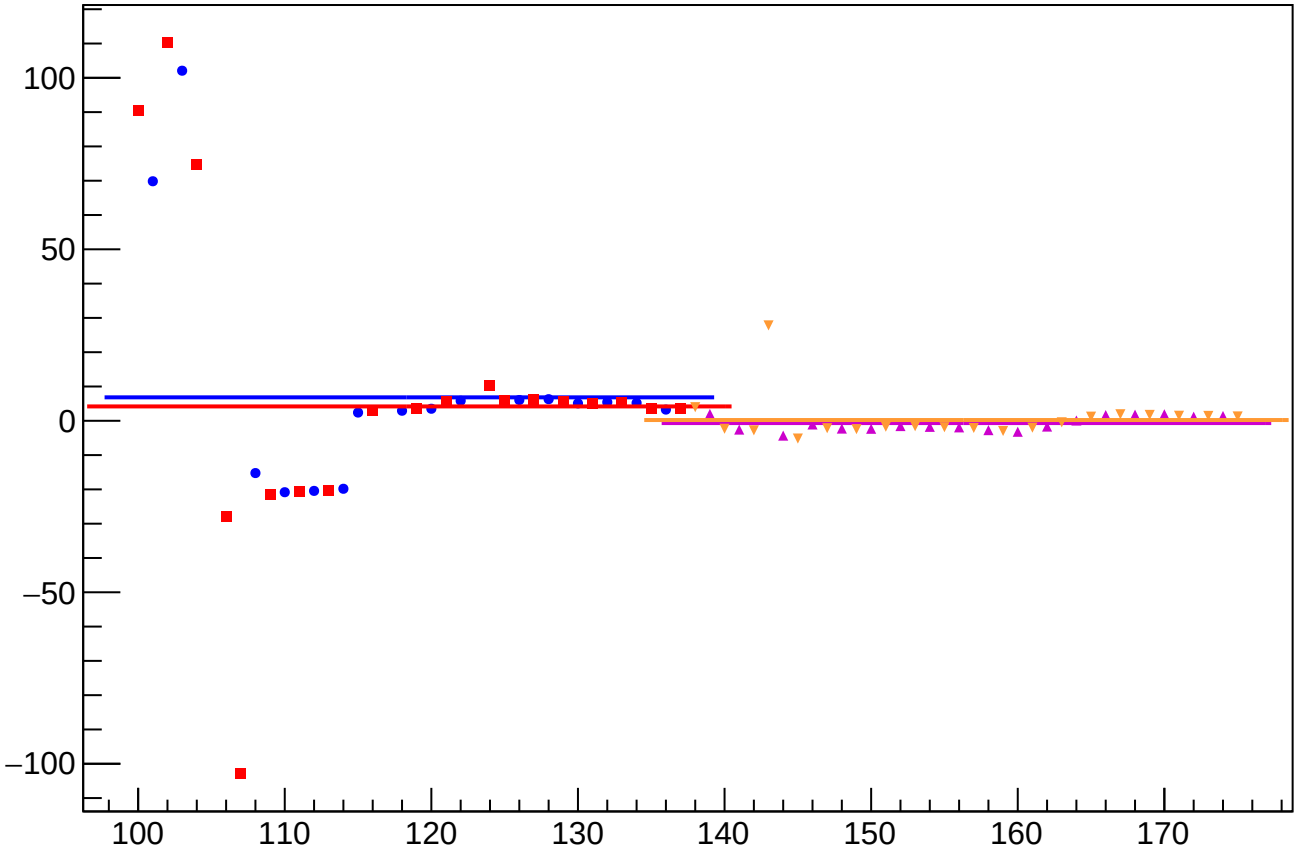
Left In: 2.327+/-0.391 χ^2/NDF:50.7/17

+ sign 2.616+/-0.329 χ^2/NDF: 142.4/35

All: 2.258+/-0.238 χ^2/NDF: 242.2/72

- sign 1.866+/-0.344 χ^2/NDF: 97.3/36

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.220+/-0.017 χ^2/NDF:93836.5/19

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

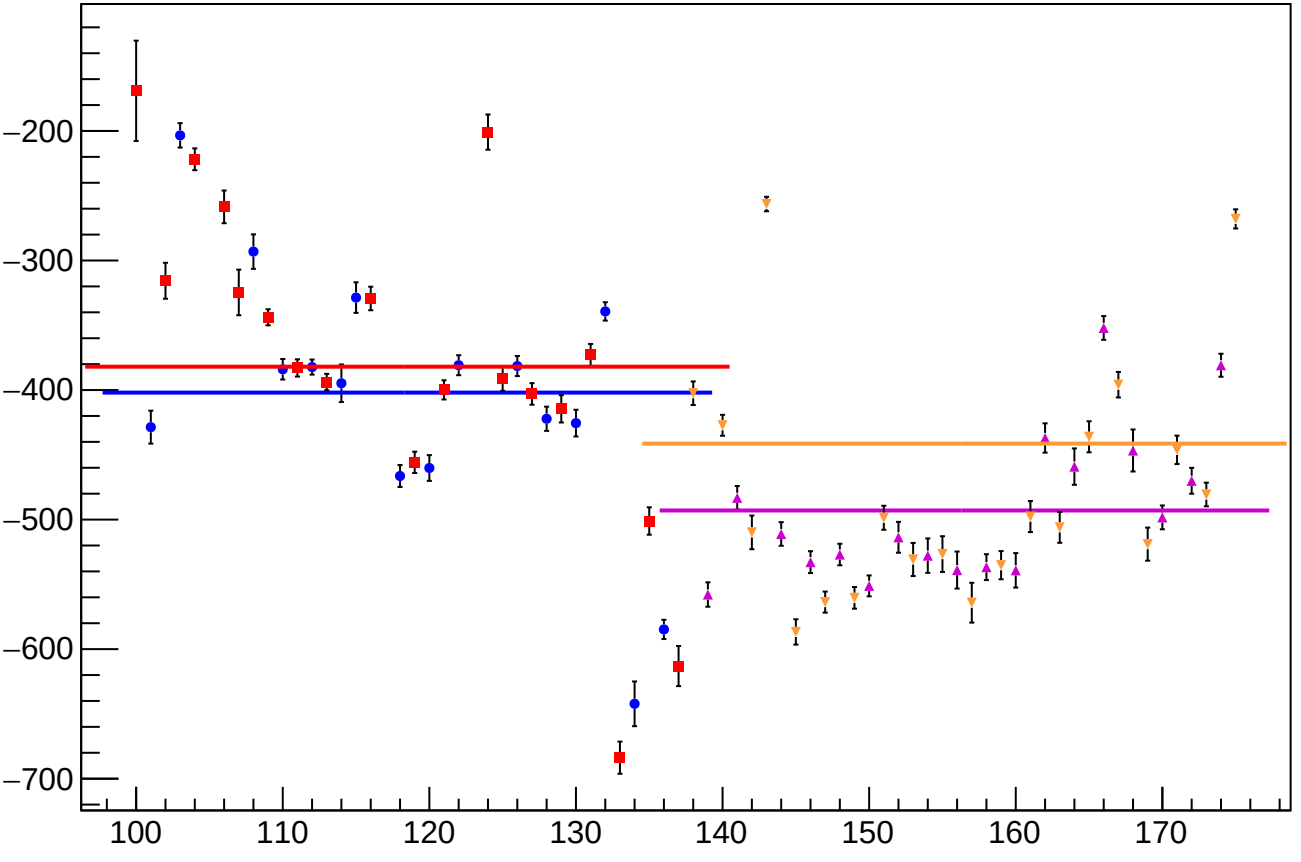
Left In: -0.661+/-0.017 χ^2/NDF:13147.6/17

+ sign 1.103+/-0.016 χ^2/NDF: 435463.1/35

All: 0.531+/-0.011 χ^2/NDF: 895564.3/72

- sign -0.075+/-0.016 χ^2/NDF: 457347.6/36

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -441.333+/-2.147 χ^2/NDF:2735.1/19

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

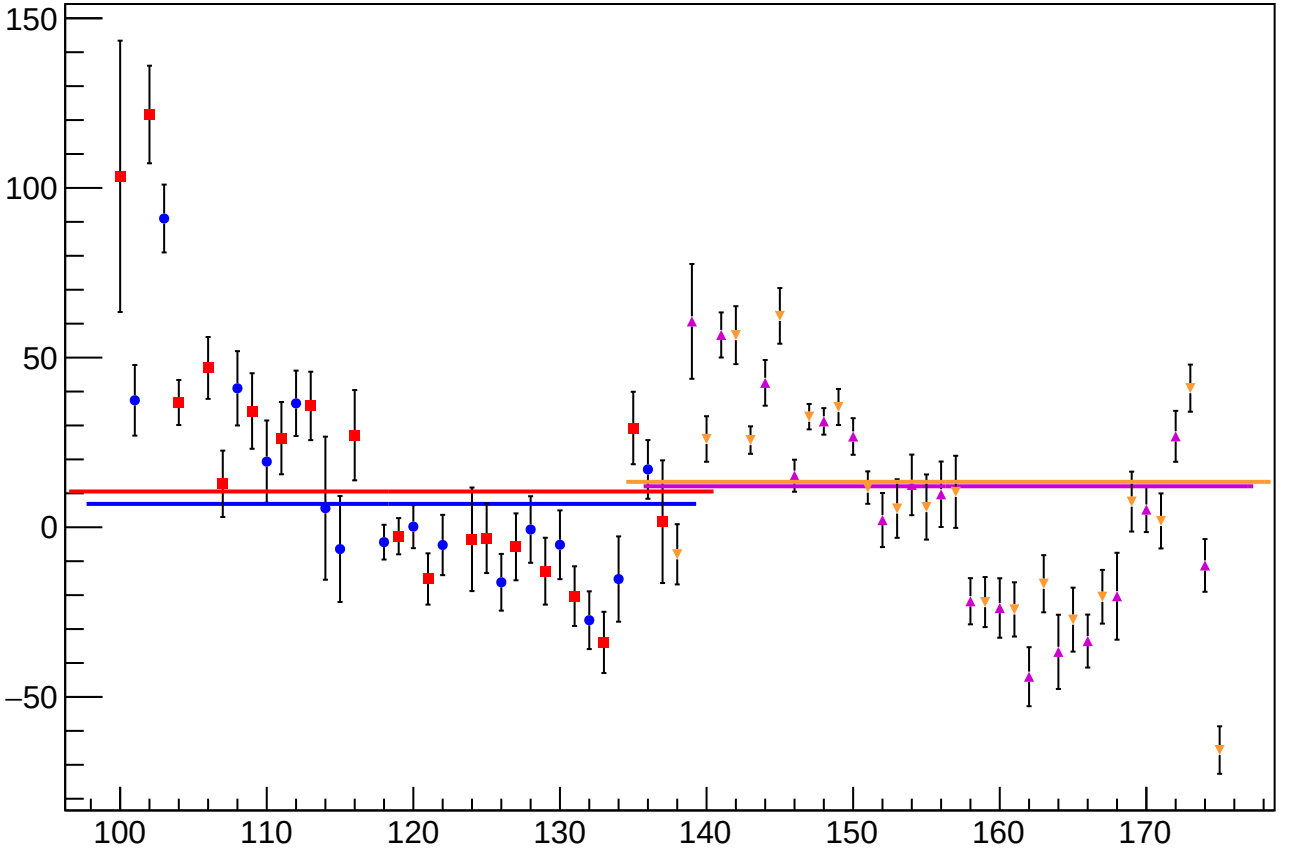
Left In: -492.970+/-2.386 χ^2/NDF:635.1/17

+ sign -422.443+/-1.549 χ^2/NDF: 4459.7/35

All: -426.642+/-1.108 χ^2/NDF: 8135.1/72

- sign -431.048+/-1.587 χ^2/NDF: 3660.4/36

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 13.386+/-1.485 χ^2/NDF:365.7/19

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

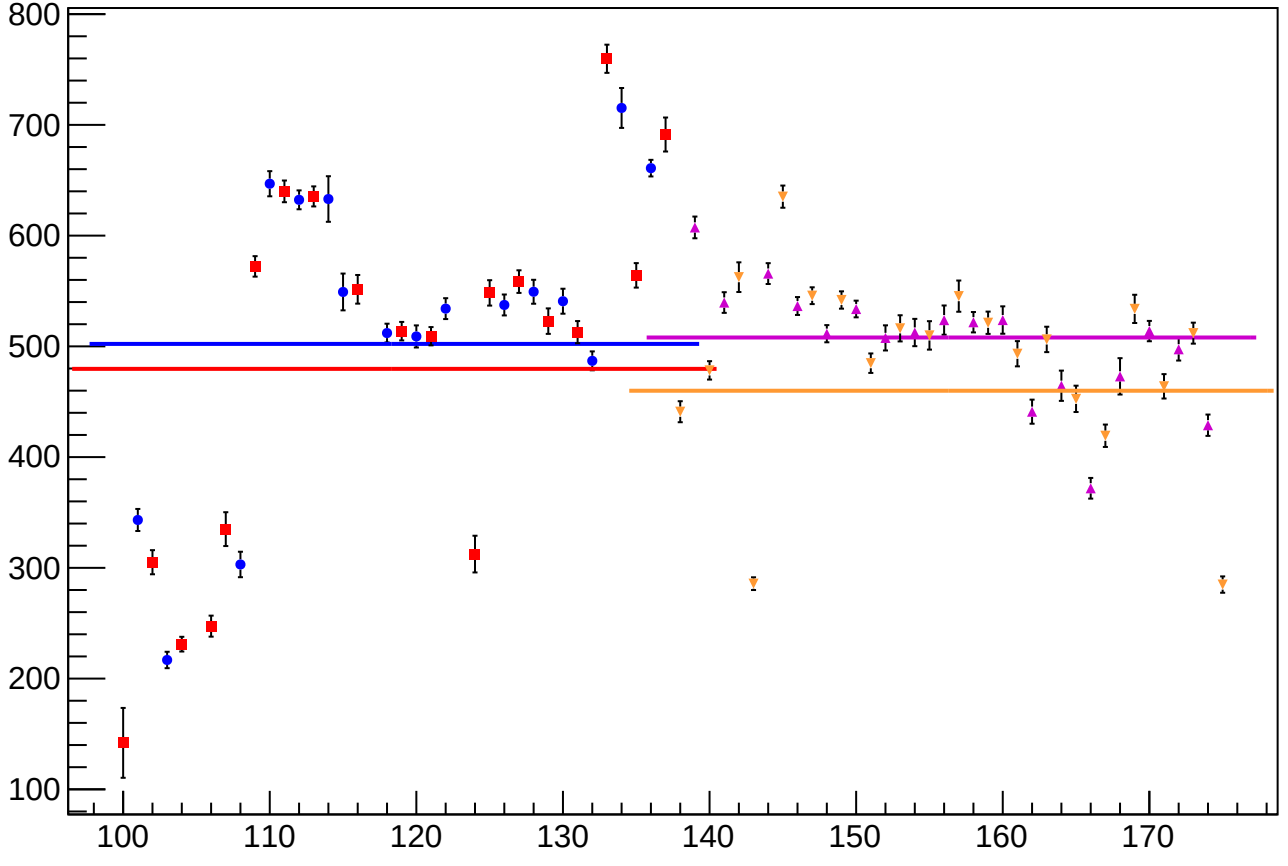
Left In: 12.077+/-1.649 χ^2/NDF:264.8/17

+ sign 11.431+/-1.242 χ^2/NDF: 509.9/35

All: 11.475+/-0.904 χ^2/NDF: 955.0/72

- sign 11.524+/-1.319 χ^2/NDF: 445.1/36

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 459.933+/-2.121 χ^2/NDF:2318.2/19

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

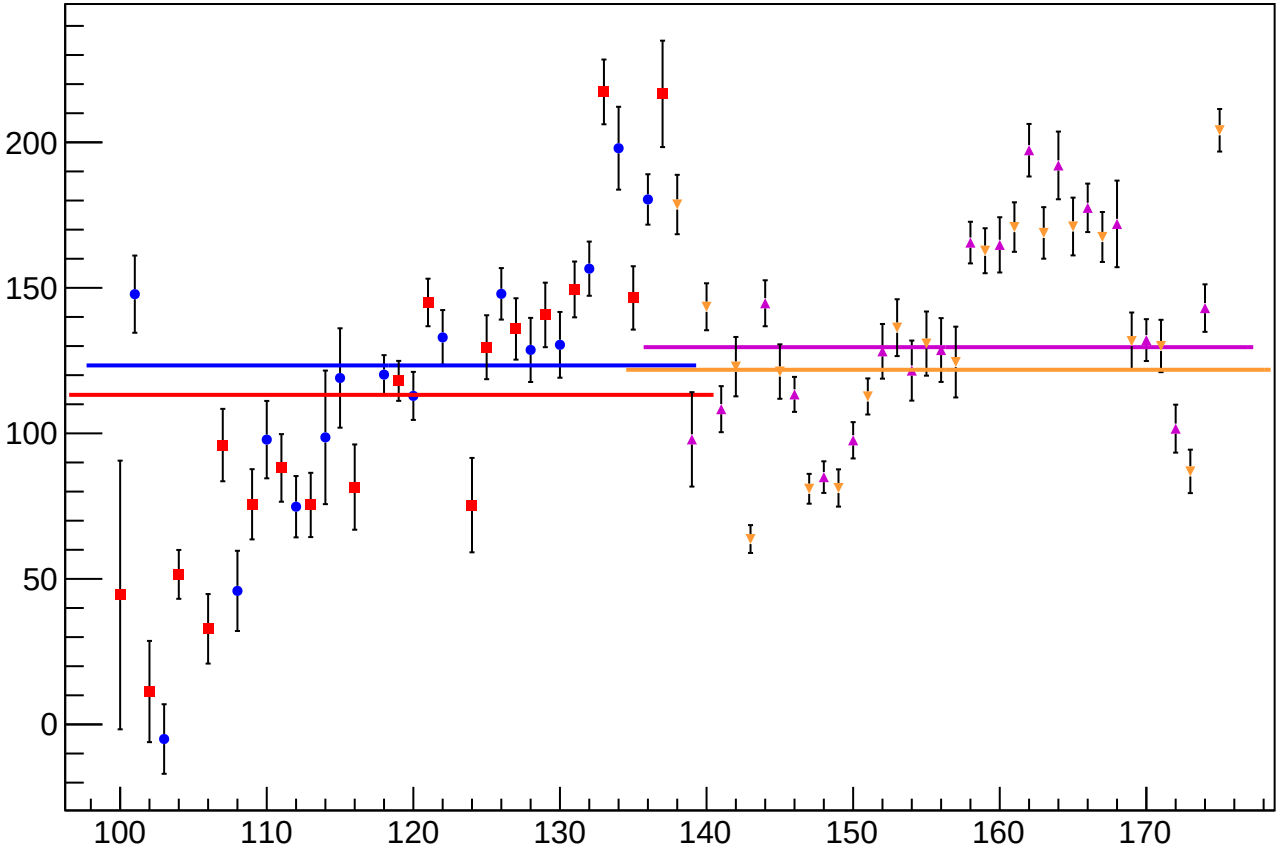
Left In: 508.005+/-2.341 χ^2/NDF:515.8/17

+ sign 477.690+/-1.616 χ^2/NDF: 5620.2/35

All: 485.637+/-1.163 χ^2/NDF: 10396.2/72

- sign 494.187+/-1.676 χ^2/NDF: 4725.7/36

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 121.854+/-1.741 χ^2/NDF:587.4/19

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

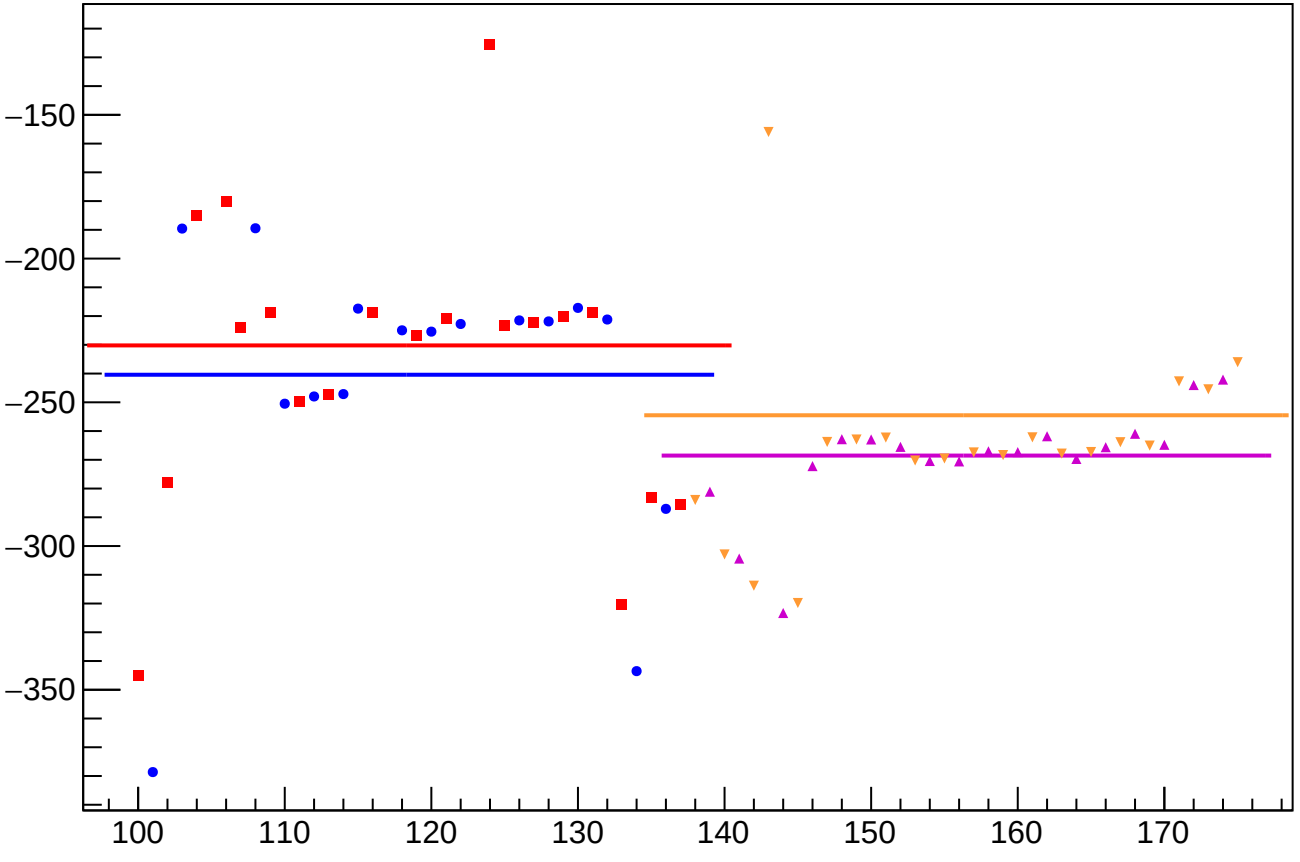
Left In: 129.621+/-1.923 χ^2/NDF:295.9/17

+ sign 122.308+/-1.451 χ^2/NDF: 859.0/35

All: 122.949+/-1.054 χ^2/NDF: 1527.4/72

- sign 123.665+/-1.534 χ^2/NDF: 668.0/36

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -254.508+/-0.083 χ^2/NDF:246310.8/19

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

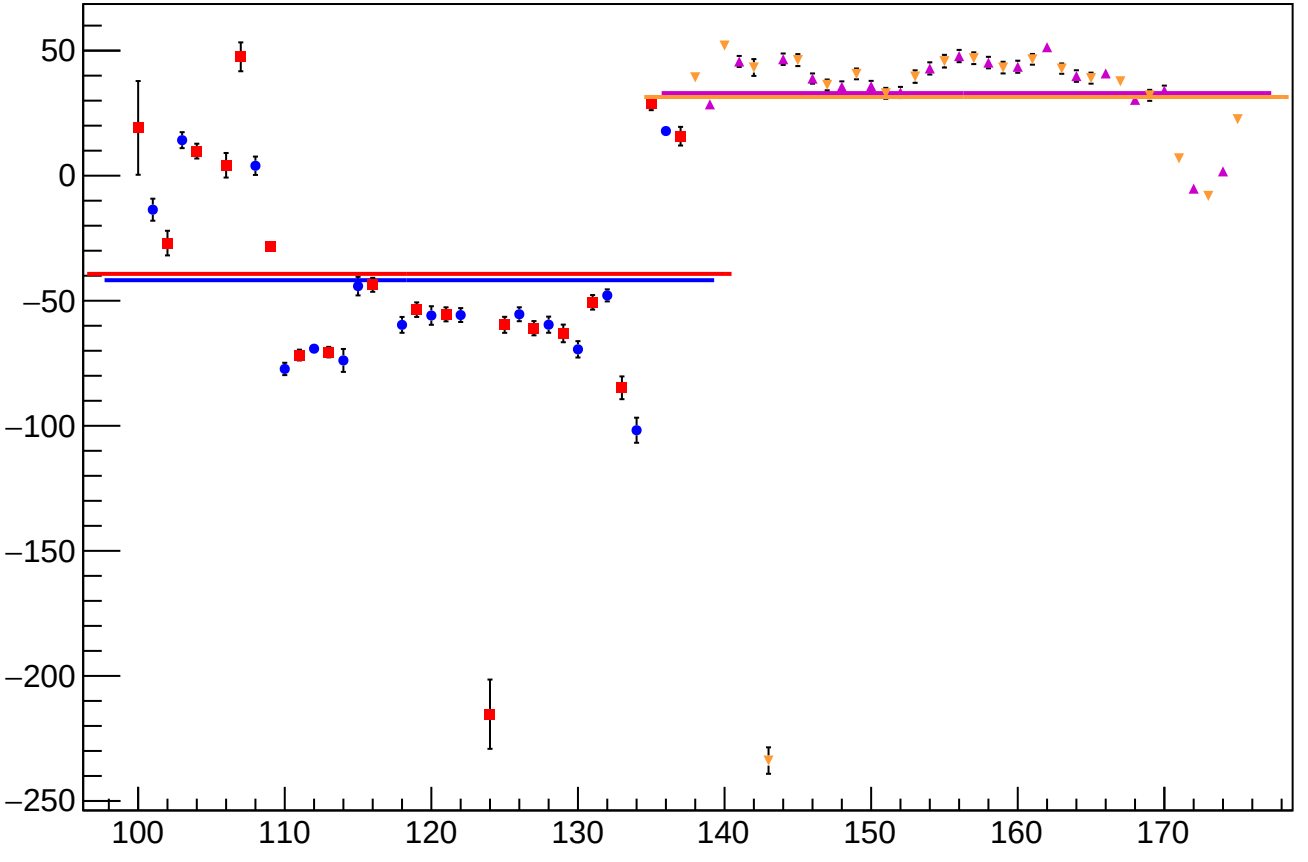
Left In: -268.531+/-0.088 χ^2/NDF:39563.7/17

+ sign -251.237+/-0.073 χ^2/NDF: 387190.4/35

All: -254.647+/-0.052 χ^2/NDF: 565034.9/72

- sign -258.343+/-0.076 χ^2/NDF: 173240.4/36

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 31.452+/-0.478 χ^2/NDF:3589.2/19

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

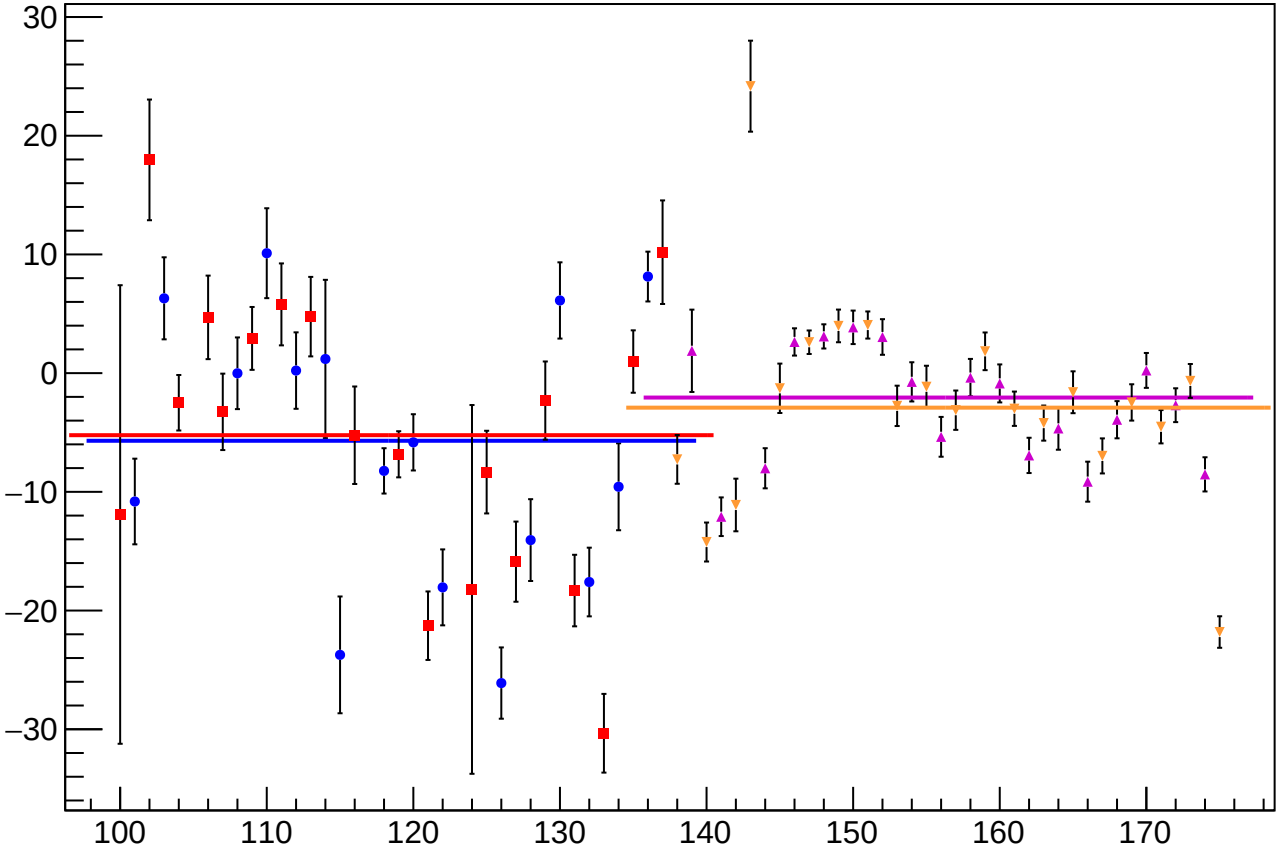
Left In: 33.018+/-0.493 χ^2/NDF:1082.0/17

+ sign 9.194+/-0.399 χ^2/NDF: 13135.2/35

All: 8.637+/-0.282 χ^2/NDF: 24107.6/72

- sign 8.078+/-0.399 χ^2/NDF: 10968.5/36

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -2.908+/-0.342 χ^2/NDF:434.6/19

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

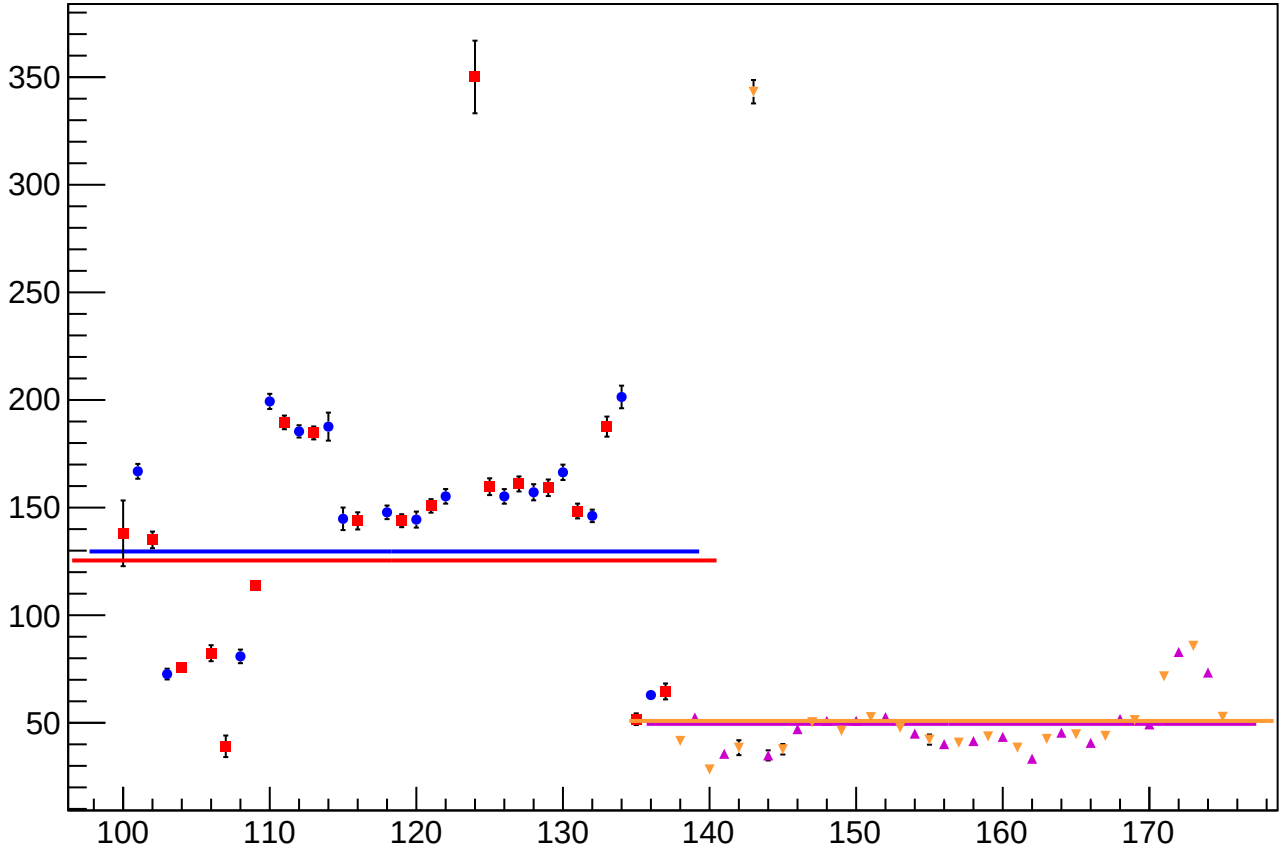
Left In: -2.057+/-0.355 χ^2/NDF:184.1/17

+ sign -3.384+/-0.311 χ^2/NDF: 642.7/35

All: -3.027+/-0.223 χ^2/NDF: 1041.8/72

- sign -2.649+/-0.320 χ^2/NDF: 396.4/36

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 50.883+/-0.469 χ^2/NDF:3653.0/19

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

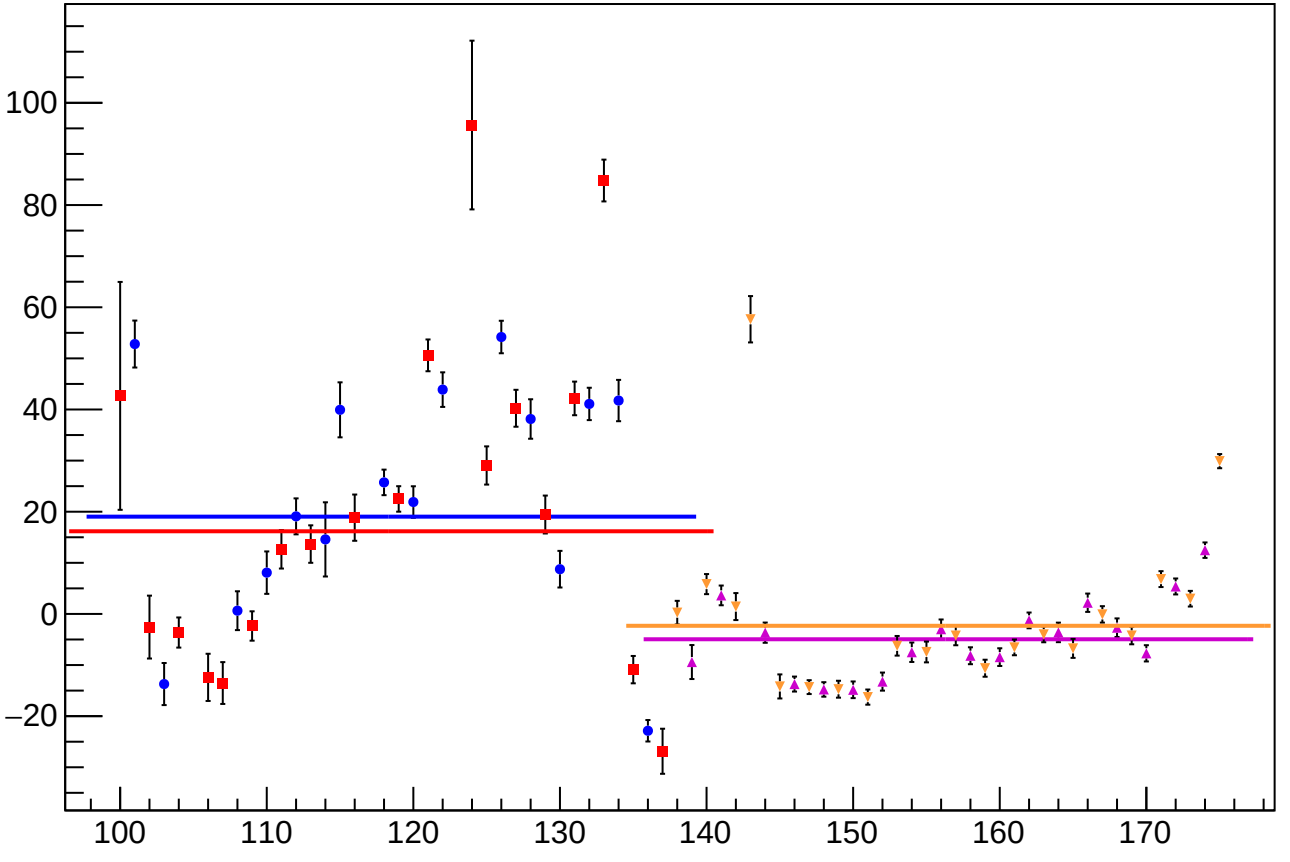
Left In: 49.523+/-0.486 χ^2/NDF:711.3/17

+ sign 71.027+/-0.405 χ^2/NDF: 14474.7/35

All: 70.699+/-0.289 χ^2/NDF: 25393.3/72

- sign 70.356+/-0.414 χ^2/NDF: 10917.2/36

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -2.320+/-0.391 χ^2/NDF:1086.1/19

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

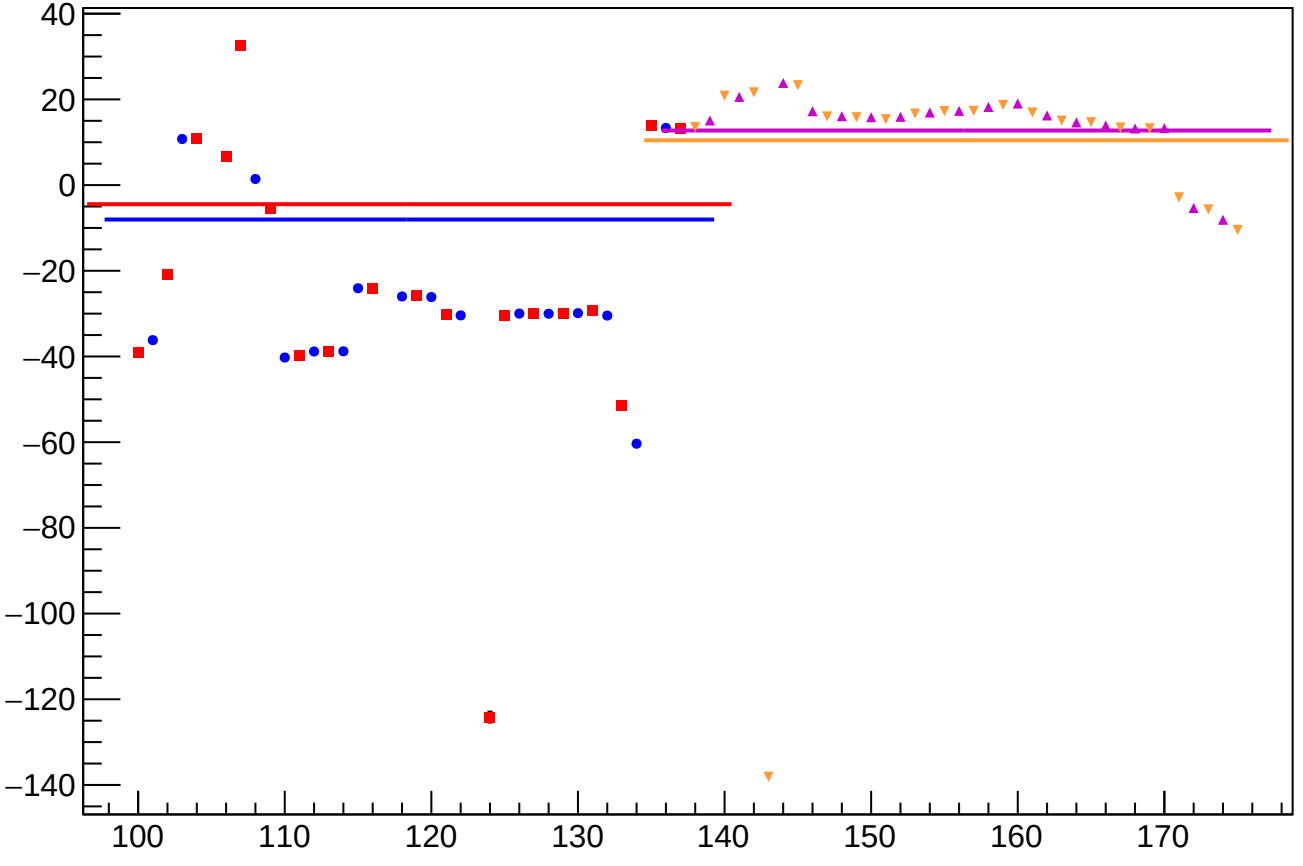
Left In: -4.956+/-0.406 χ^2/NDF:378.6/17

+ sign 1.334+/-0.356 χ^2/NDF: 2455.4/35

All: 0.197+/-0.255 χ^2/NDF: 4303.5/72

- sign -1.006+/-0.366 χ^2/NDF: 1827.1/36

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 10.451+/-0.018 χ^2/NDF:740557.5/19

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

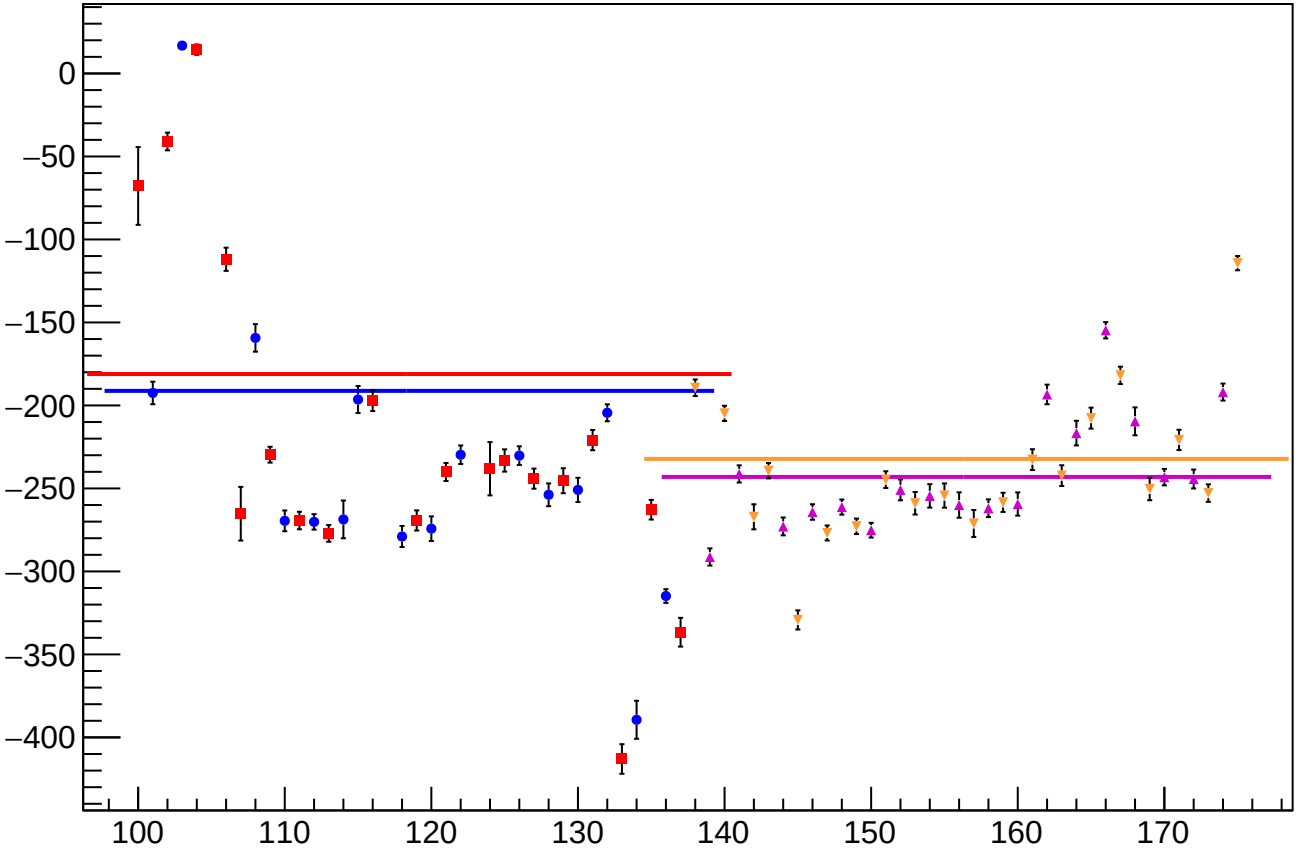
Left In: 12.738+/-0.018 χ^2/NDF:236787.6/17

+ sign 8.054+/-0.017 χ^2/NDF: 1150101.7/35

All: 9.288+/-0.012 χ^2/NDF: 1744502.9/72

- sign 10.550+/-0.017 χ^2/NDF: 583089.8/36

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -232.207+/-1.237 χ^2/NDF:1557.8/19

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

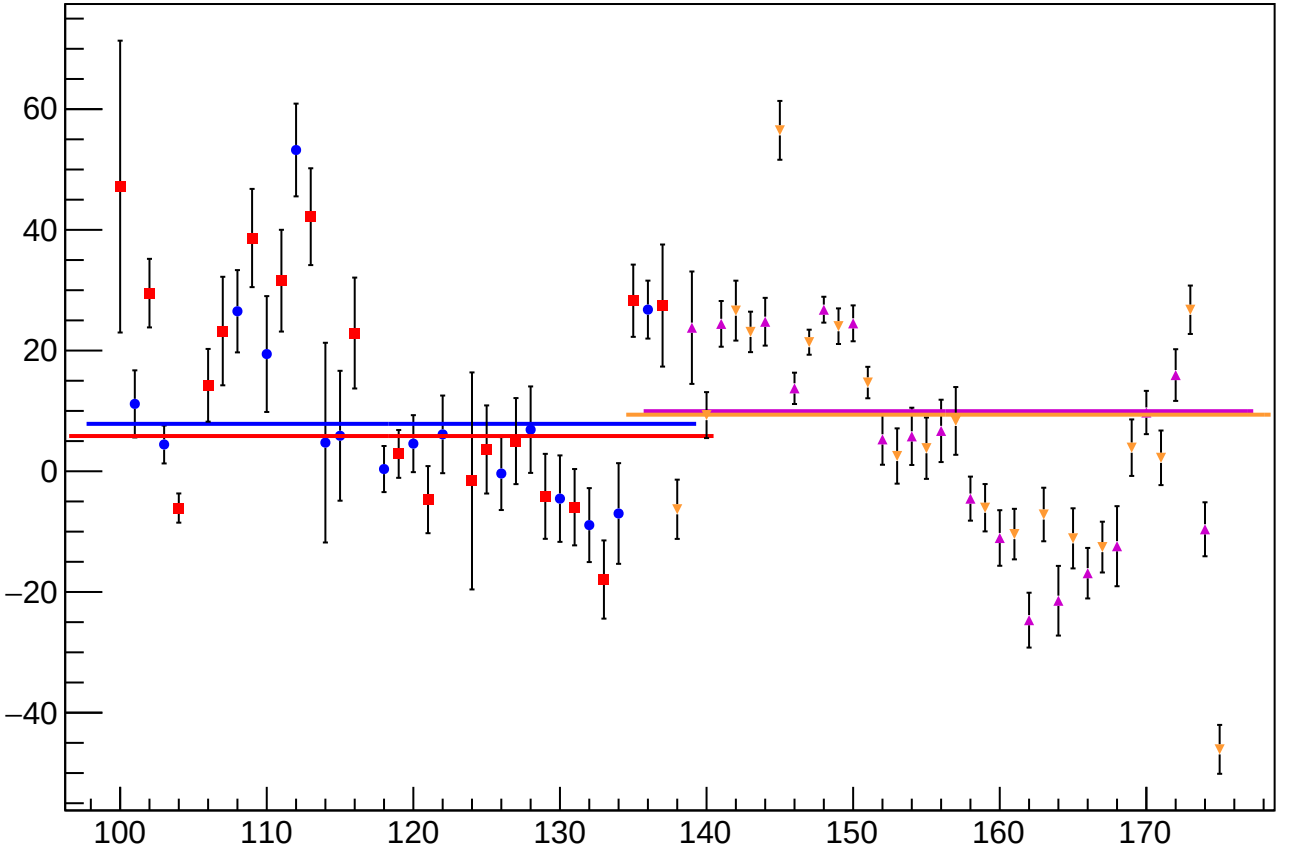
Left In: -243.063+/-1.309 χ^2/NDF:755.7/17

\+ sign -214.502+/-0.932 χ^2/NDF: 9256.6/35

All: -214.140+/-0.666 χ^2/NDF: 18446.4/72

\- sign -213.764+/-0.951 χ^2/NDF: 9189.5/36

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 9.377+/-0.851 χ^2/NDF:504.1/19

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

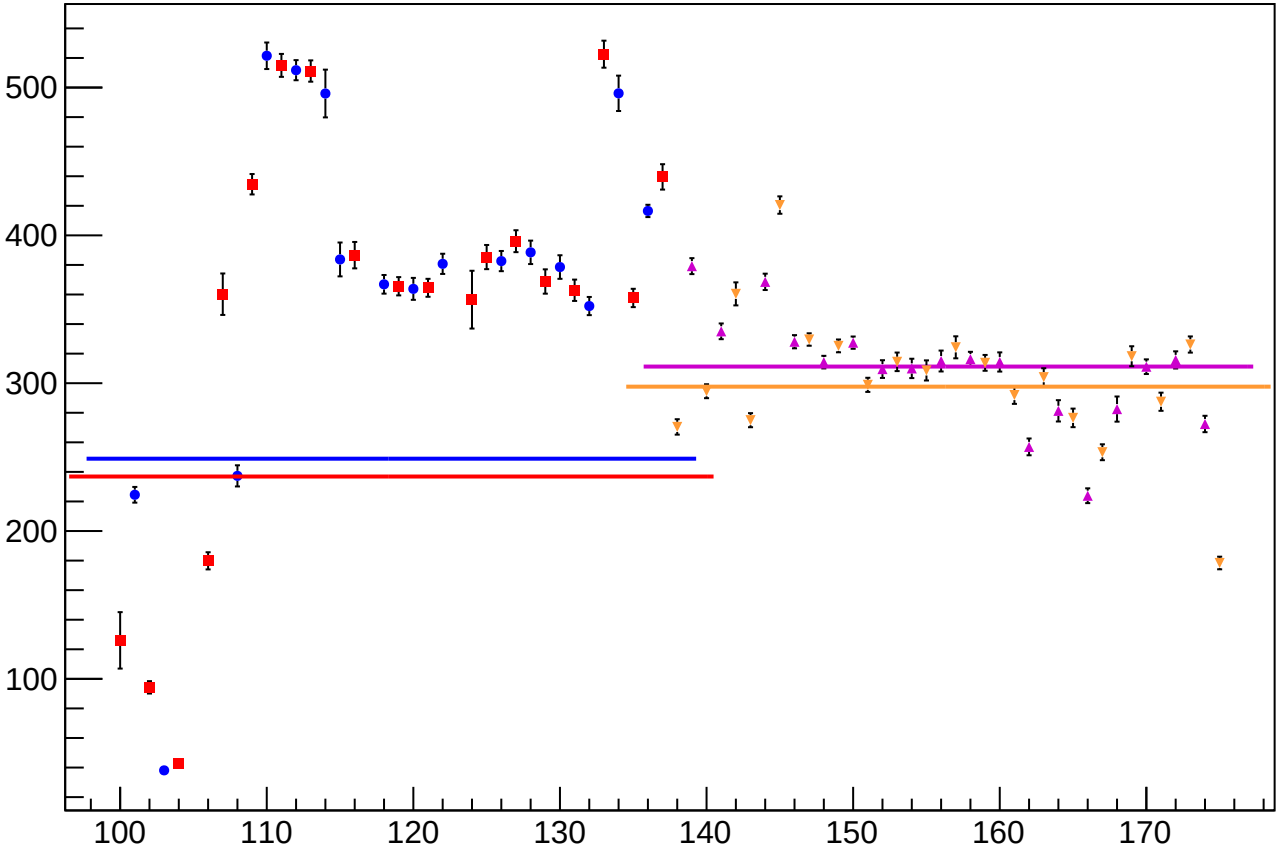
Left In: 9.957+/-0.903 χ^2/NDF:318.6/17

+ sign 8.983+/-0.732 χ^2/NDF: 585.9/35

All: 8.841+/-0.524 χ^2/NDF: 1052.8/72

- sign 8.690+/-0.752 χ^2/NDF: 466.9/36

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 297.662+/-1.216 χ^2/NDF:1581.2/19

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

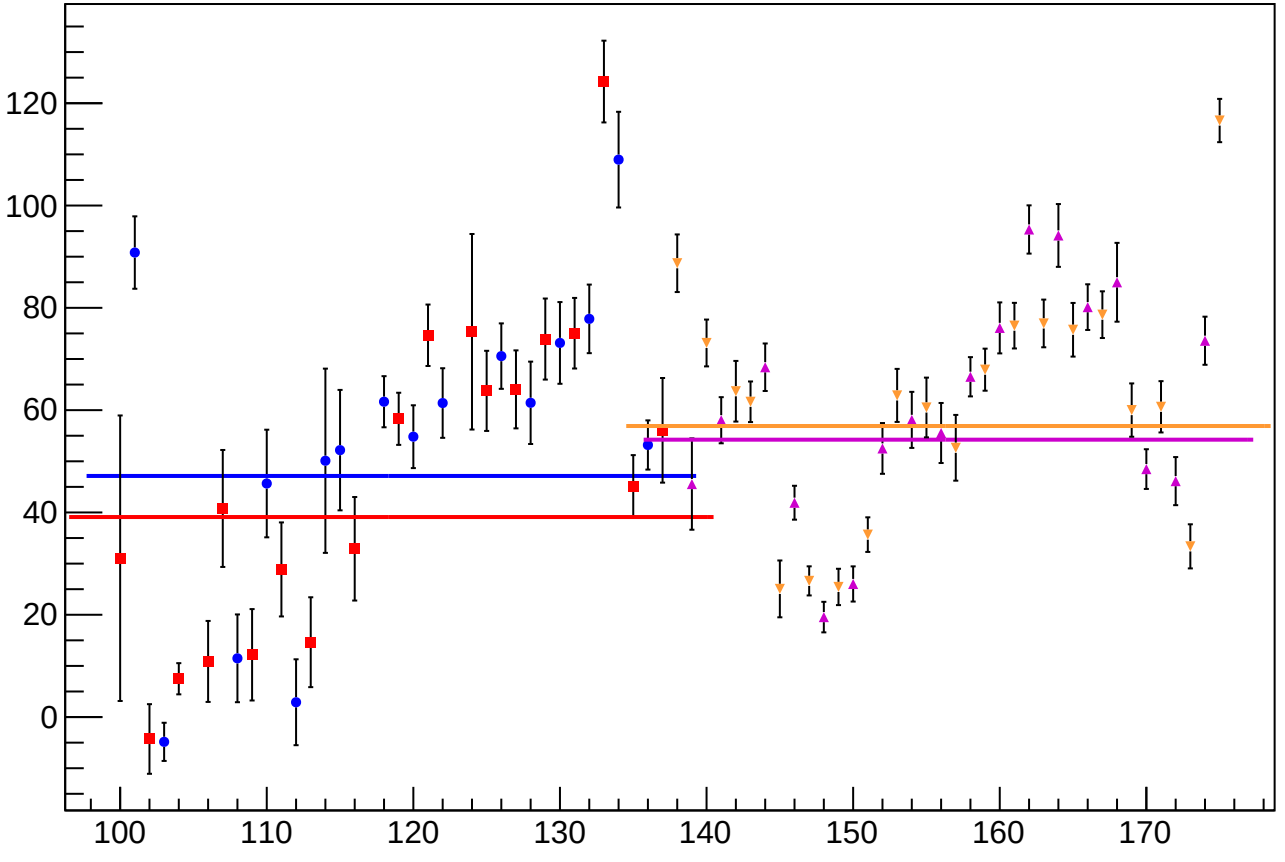
Left In: 311.252+/-1.282 χ^2/NDF:791.4/17

+ sign 277.076+/-0.924 χ^2/NDF: 17561.9/35

All: 277.280+/-0.662 χ^2/NDF: 35537.8/72

- sign 277.495+/-0.948 χ^2/NDF: 17975.8/36

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 56.899+/-0.995 χ^2/NDF:623.8/19

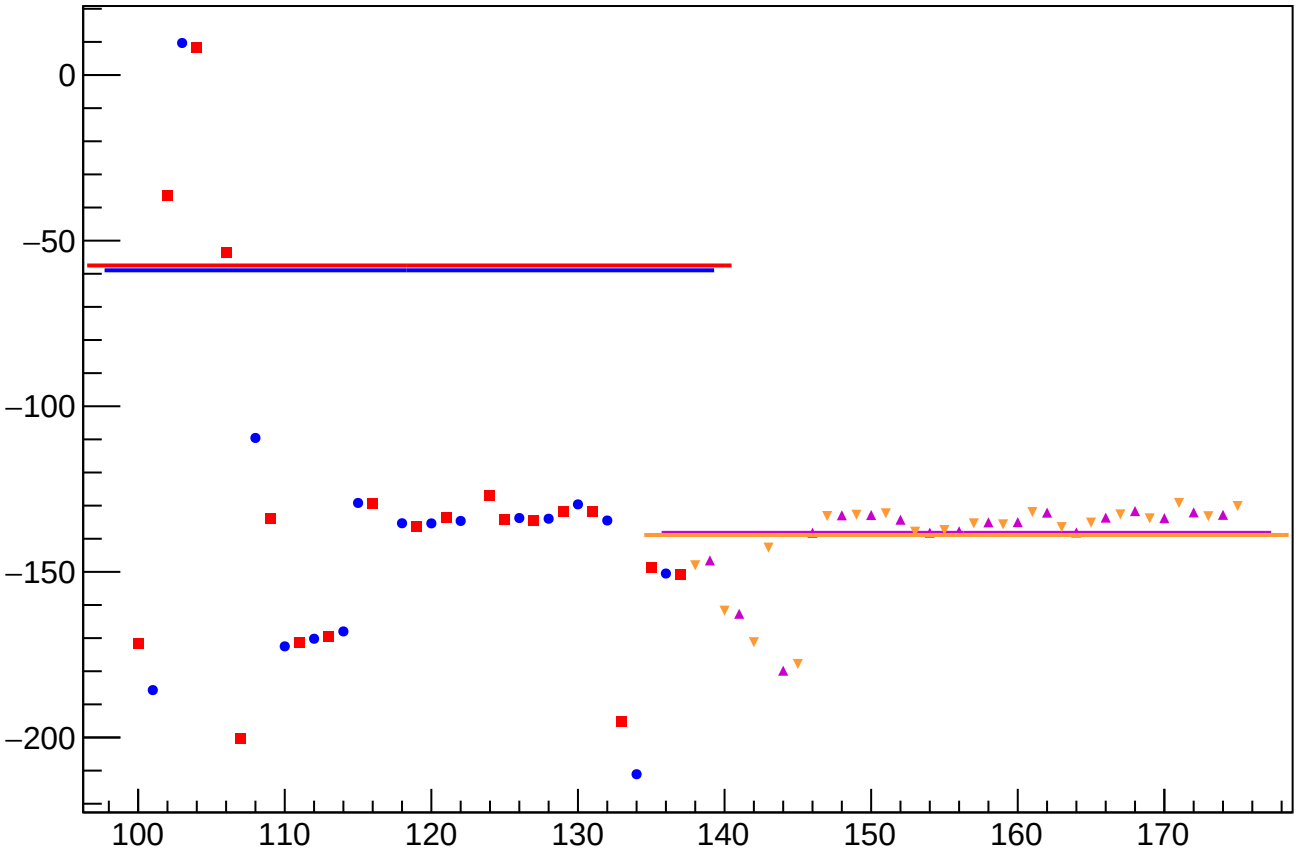
Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 54.227+/-1.053 χ^2/NDF:447.1/17

+ sign 54.337+/-0.854 χ^2/NDF: 1034.4/35

All: 52.056+/-0.613 χ^2/NDF: 1975.2/72

- sign 49.642+/-0.879 χ^2/NDF: 926.1/36



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -138.863+/-0.047 χ^2/NDF:63958.9/19

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

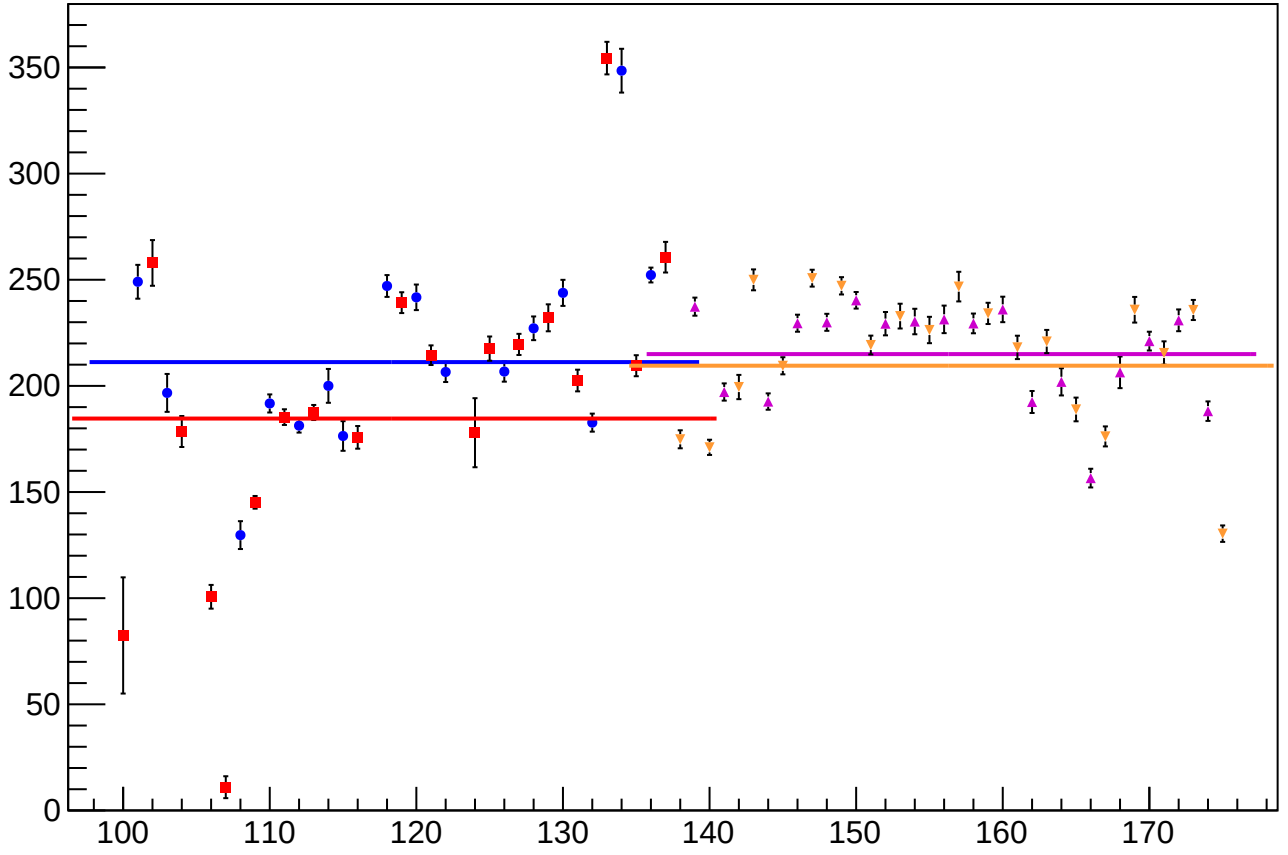
Left In: -138.219+/-0.048 χ^2/NDF:49730.8/17

+ sign -115.271+/-0.039 χ^2/NDF: 2144640.4/35

All: -114.812+/-0.028 χ^2/NDF: 3897853.9/72

- sign -114.330+/-0.040 χ^2/NDF: 1752935.9/36

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 209.514+/-1.071 χ^2/NDF:1064.3/19

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

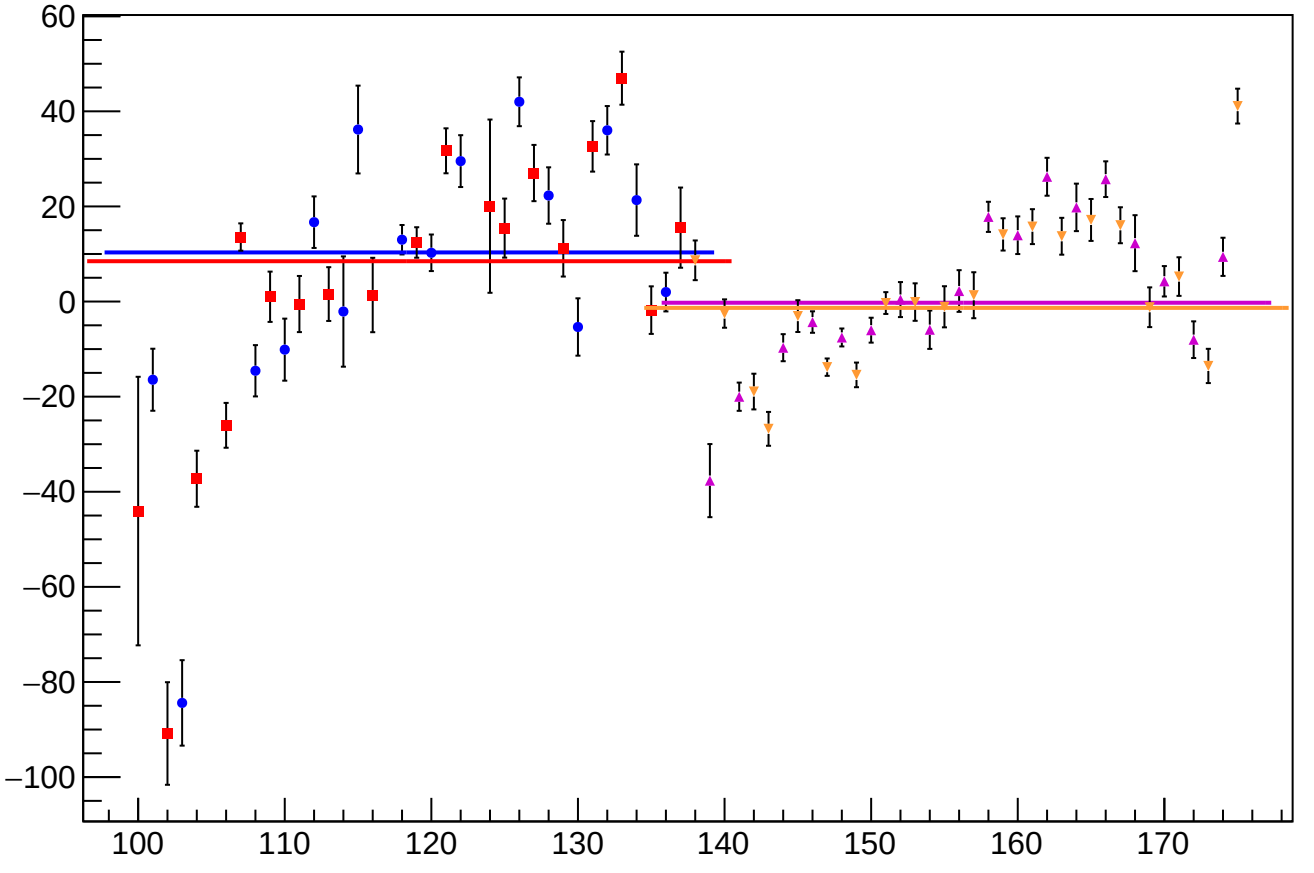
Left In: 214.976+/-1.118 χ^2/NDF:437.5/17

+ sign 210.202+/-0.825 χ^2/NDF: 1848.3/35

All: 205.441+/-0.580 χ^2/NDF: 5236.5/72

- sign 200.784+/-0.816 χ^2/NDF: 3322.3/36

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -1.334+/-0.740 χ^2/NDF:400.3/19

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

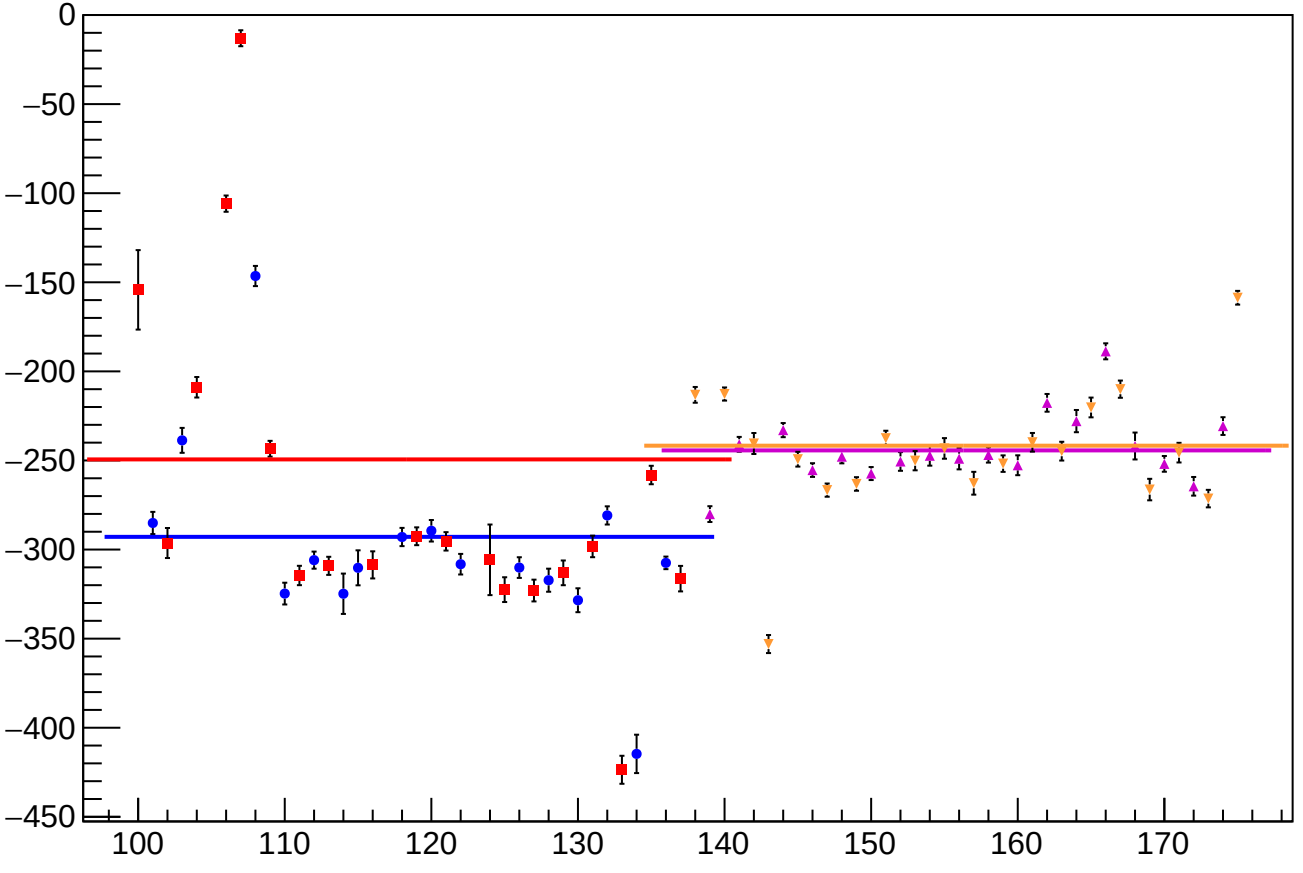
Left In: -0.254+/-0.777 χ^2/NDF:274.3/17

+ sign 1.413+/-0.647 χ^2/NDF: 722.1/35

All: 1.826+/-0.461 χ^2/NDF: 1355.9/72

- sign 2.252+/-0.656 χ^2/NDF: 632.9/36

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -241.704+/-1.054 χ^2/NDF:1260.7/19

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

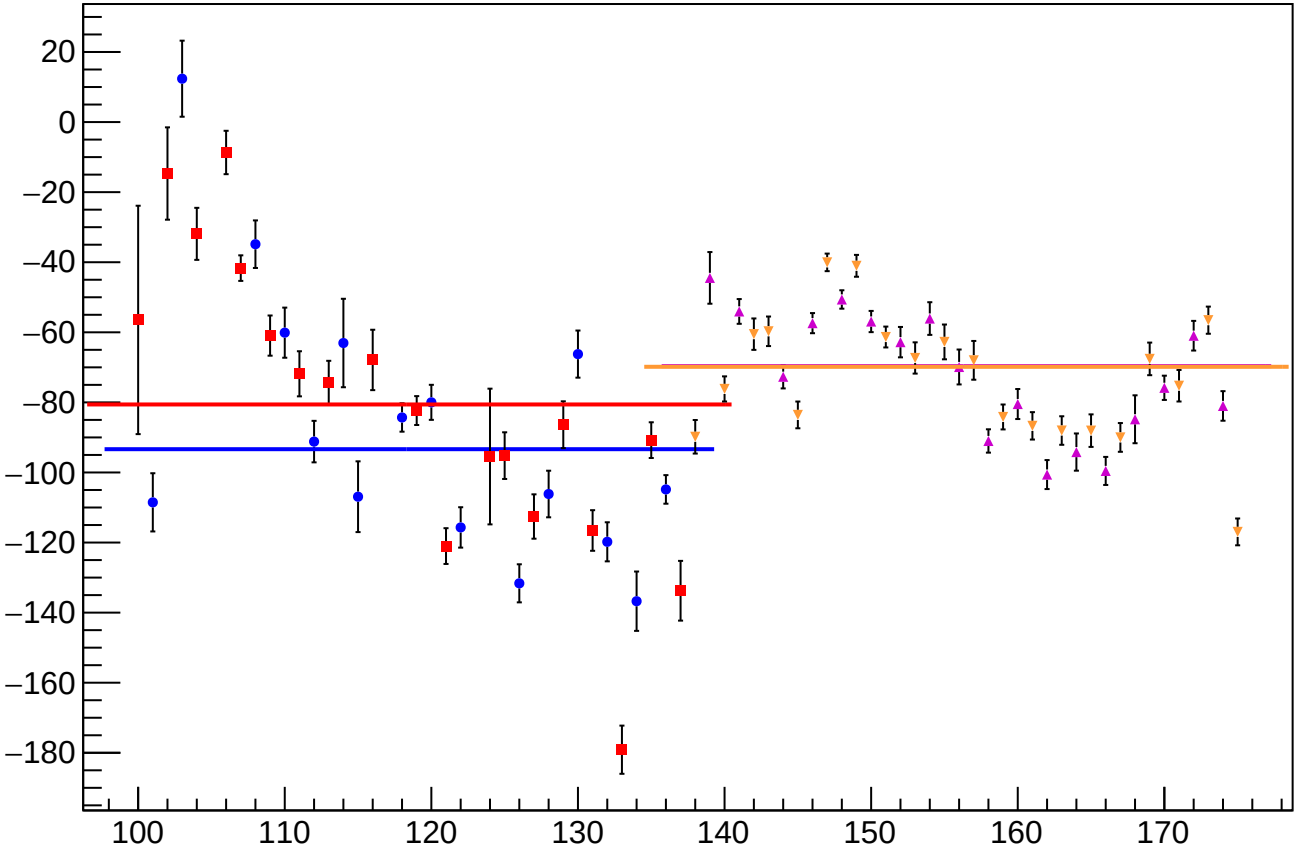
Left In: -244.352+/-1.097 χ^2/NDF:314.9/17

+ sign -259.108+/-0.856 χ^2/NDF: 3046.4/35

All: -252.722+/-0.605 χ^2/NDF: 8849.4/72

- sign -246.330+/-0.856 χ^2/NDF: 5691.7/36

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -69.840+/-0.865 χ^2/NDF:540.2/19

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

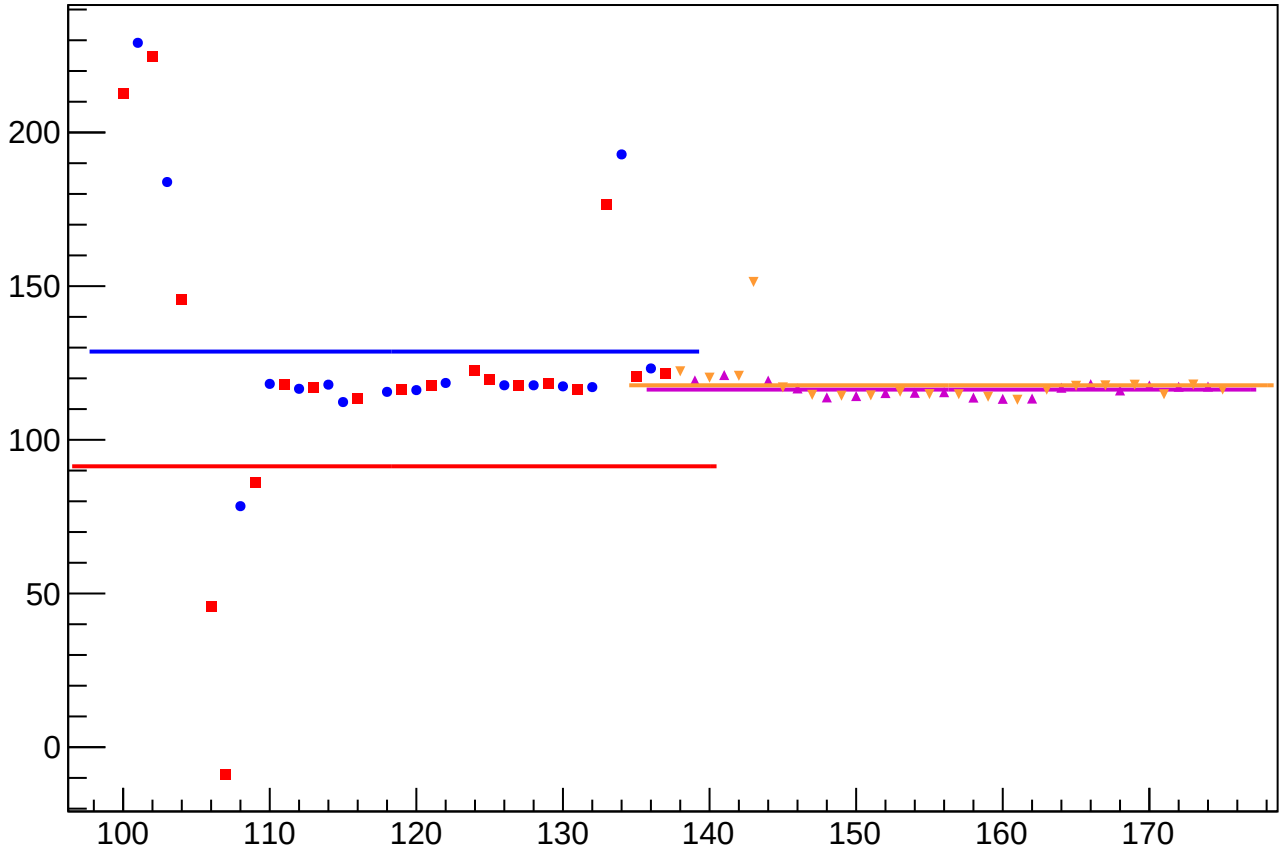
Left In: -69.651+/-0.905 χ^2/NDF:331.6/17

+ sign -75.514+/-0.754 χ^2/NDF: 1073.8/35

All: -74.174+/-0.536 χ^2/NDF: 2169.2/72

- sign -72.799+/-0.764 χ^2/NDF: 1089.0/36

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.745+/-0.041 χ^2/NDF:29745.4/19

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

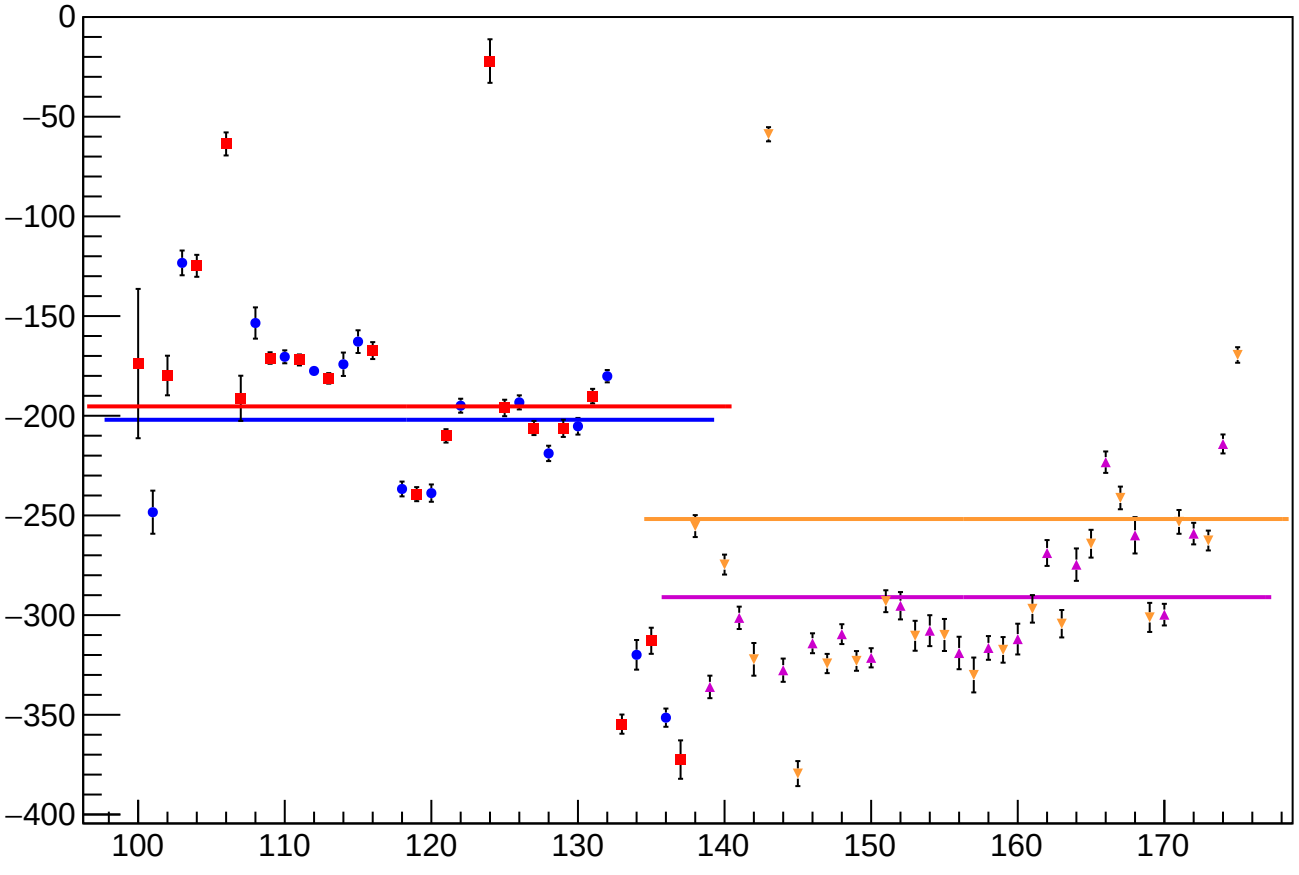
Left In: 116.345+/-0.041 χ^2/NDF:2988.7/17

\+ sign 119.641+/-0.037 χ^2/NDF: 225795.7/35

All: 115.263+/-0.026 χ^2/NDF: 939558.9/72

\- sign 110.977+/-0.037 χ^2/NDF: 686136.3/36

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -251.799+/-1.264 χ^2/NDF:4839.5/19

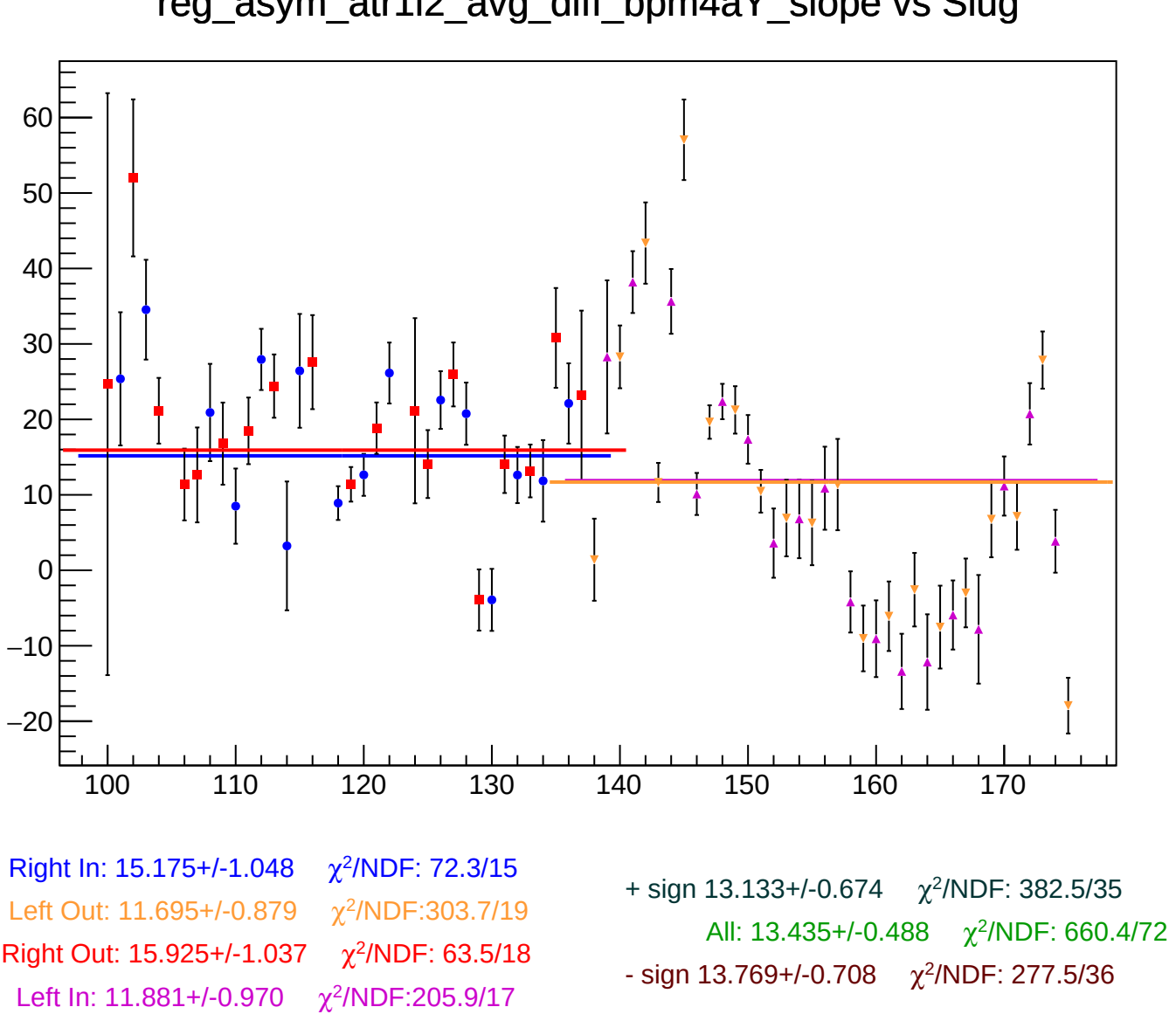
Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -290.989+/-1.397 χ^2/NDF:708.3/17

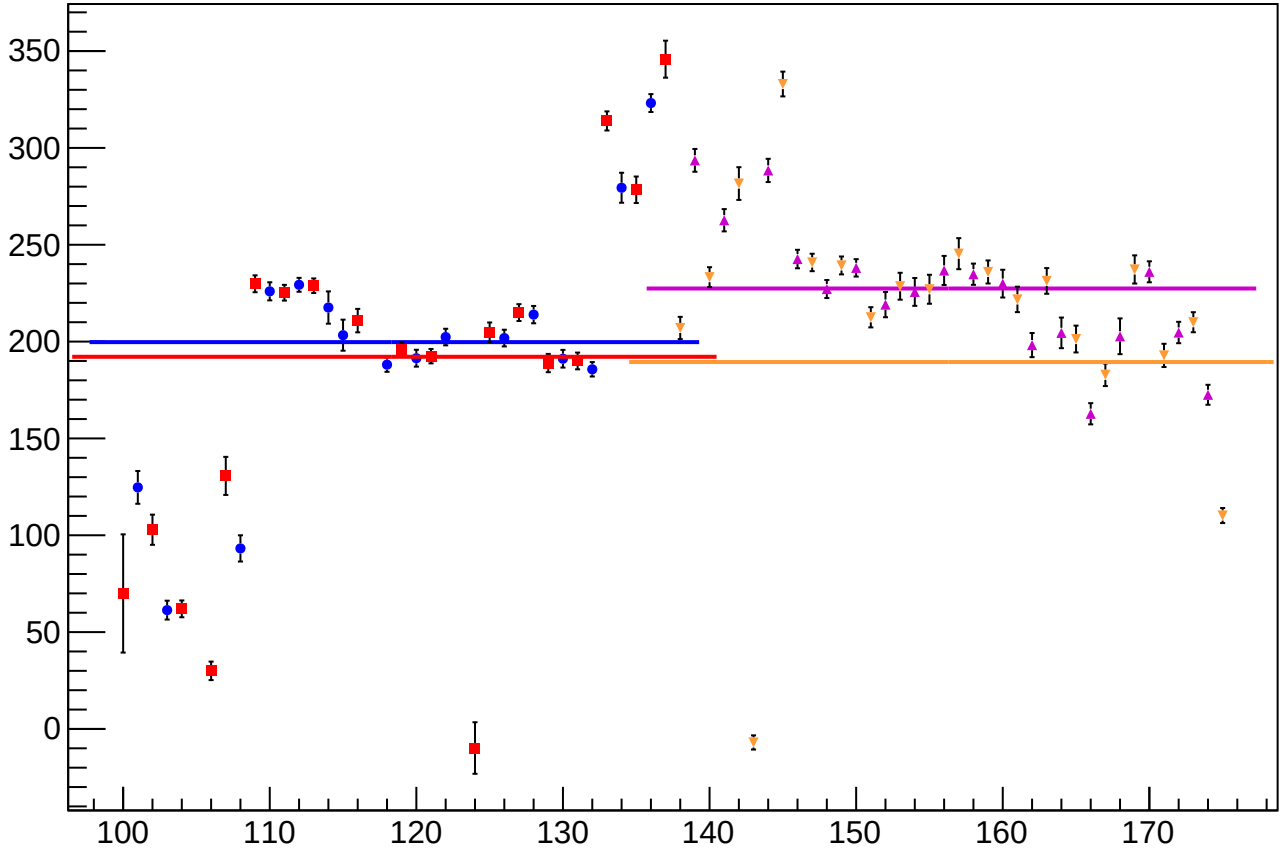
+ sign -221.750+/-0.796 χ^2/NDF: 7816.4/35

All: -224.163+/-0.564 χ^2/NDF: 14798.7/72

- sign -226.597+/-0.799 χ^2/NDF: 6963.8/36


reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug
60
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: 15.175+/-1.048 χ²/NDF: 72.3/15
Left Out: 11.695+/-0.879 χ²/NDF:303.7/19
Right Out: 15.925+/-1.037 χ²/NDF: 63.5/18
Left In: 11.881+/-0.970 χ²/NDF:205.9/17
+ sign 13.133+/-0.674 χ²/NDF: 382.5/35
All: 13.435+/-0.488 χ²/NDF: 660.4/72
- sign 13.769+/-0.708 χ²/NDF: 277.5/36

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 189.448+/-1.247 χ^2/NDF:4560.0/19

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

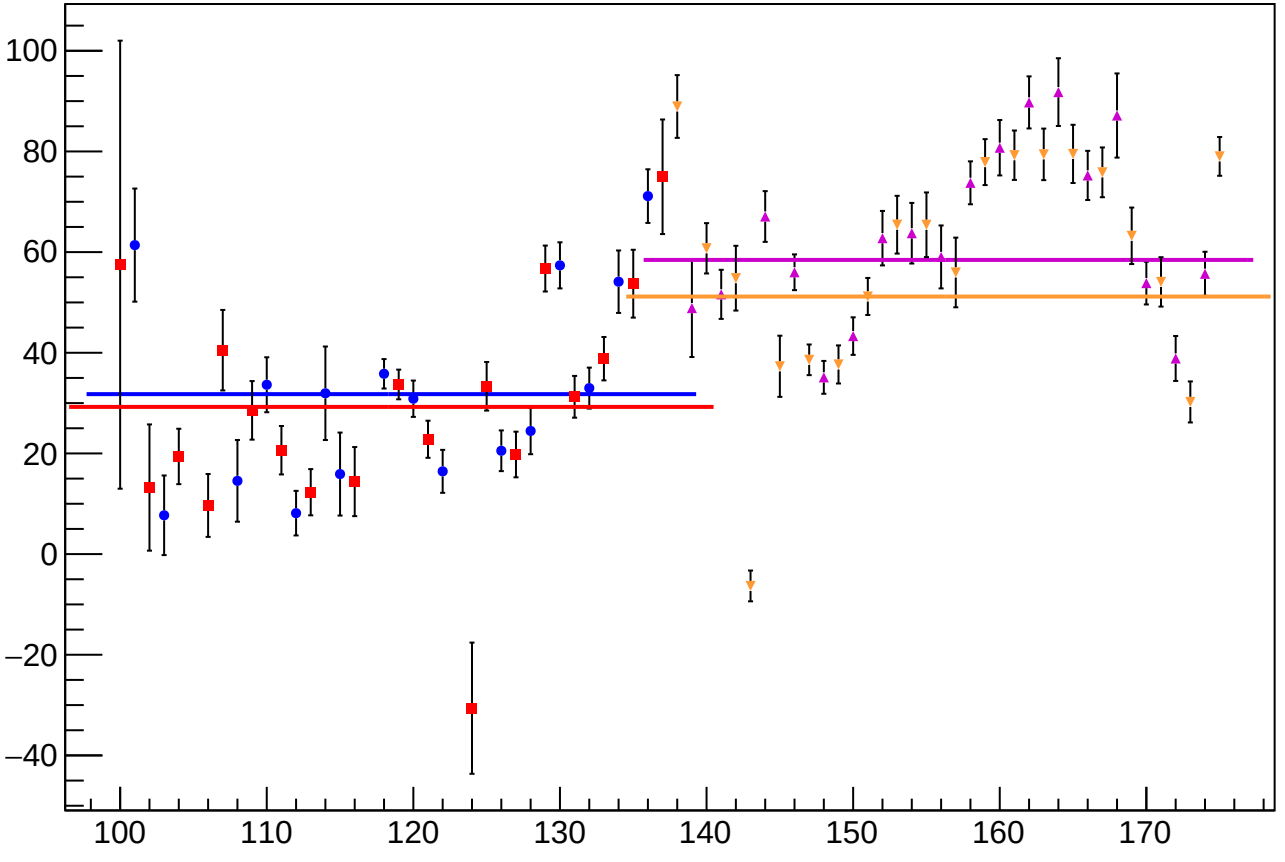
Left In: 227.403+/-1.373 χ^2/NDF:597.4/17

+ sign 194.801+/-0.863 χ^2/NDF: 6697.0/35

All: 200.621+/-0.617 χ^2/NDF: 11551.7/72

- sign 206.696+/-0.882 χ^2/NDF: 4761.7/36

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 51.173+/-1.026 χ^2/NDF:670.6/19

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

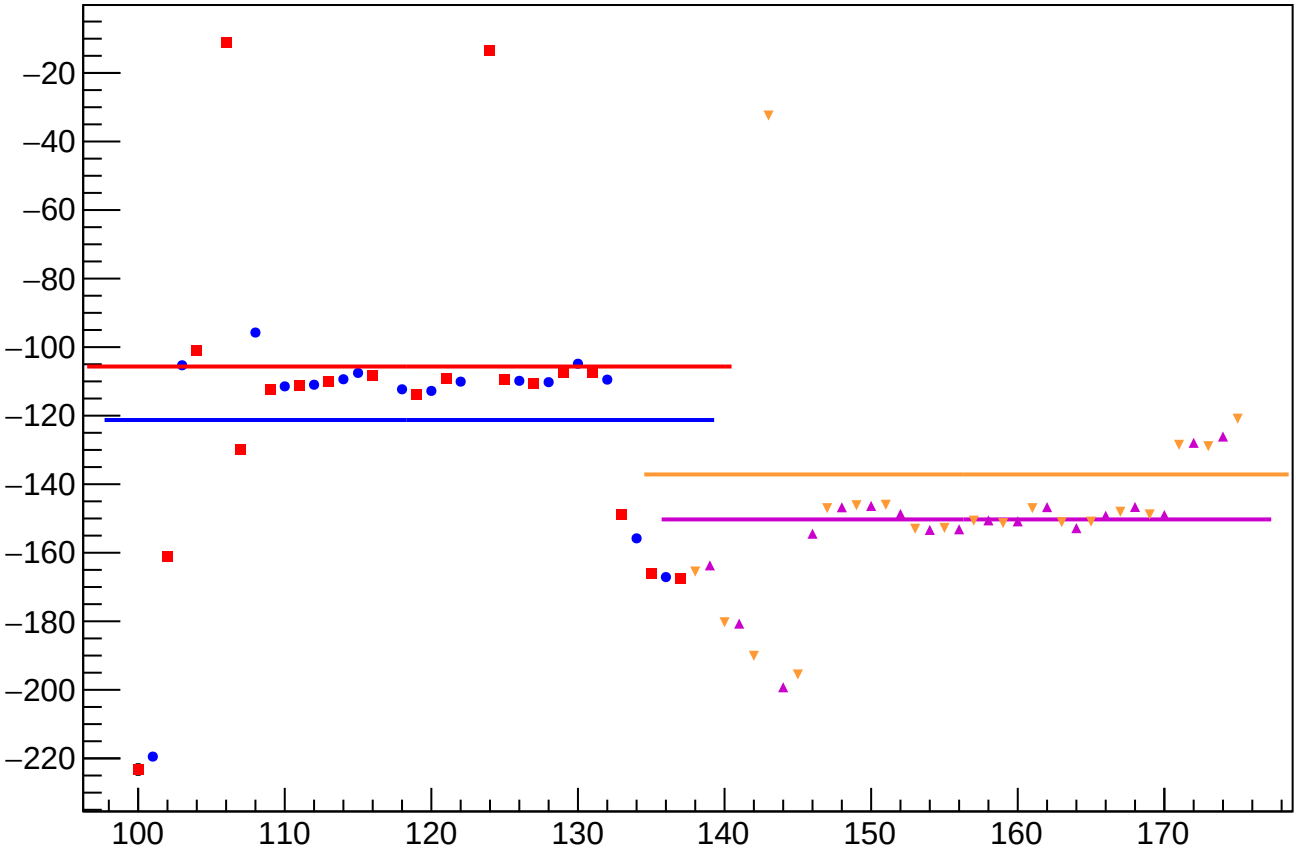
Left In: 58.450+/-1.128 χ^2/NDF:210.2/17

+ sign 43.115+/-0.784 χ^2/NDF: 996.1/35

All: 43.874+/-0.567 χ^2/NDF: 1664.5/72

- sign 44.707+/-0.821 χ^2/NDF: 666.4/36

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -137.153+/-0.049 χ^2/NDF:648392.4/19

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

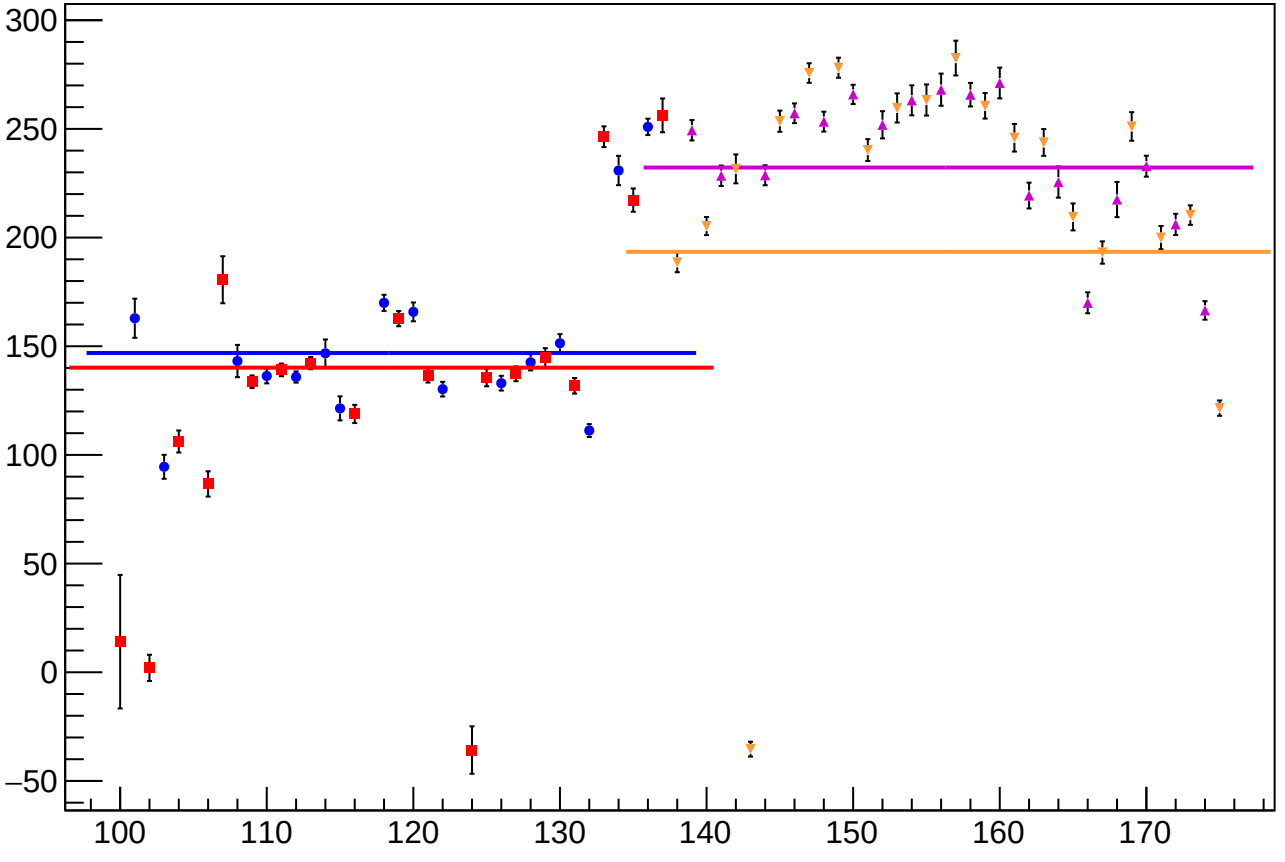
Left In: -150.274+/-0.051 χ^2/NDF:87659.9/17

+ sign -132.821+/-0.041 χ^2/NDF: 797031.2/35

All: -134.336+/-0.030 χ^2/NDF: 1484470.2/72

- sign -135.924+/-0.042 χ^2/NDF: 684694.1/36

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 193.440+/-1.131 χ^2/NDF:6527.9/19

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

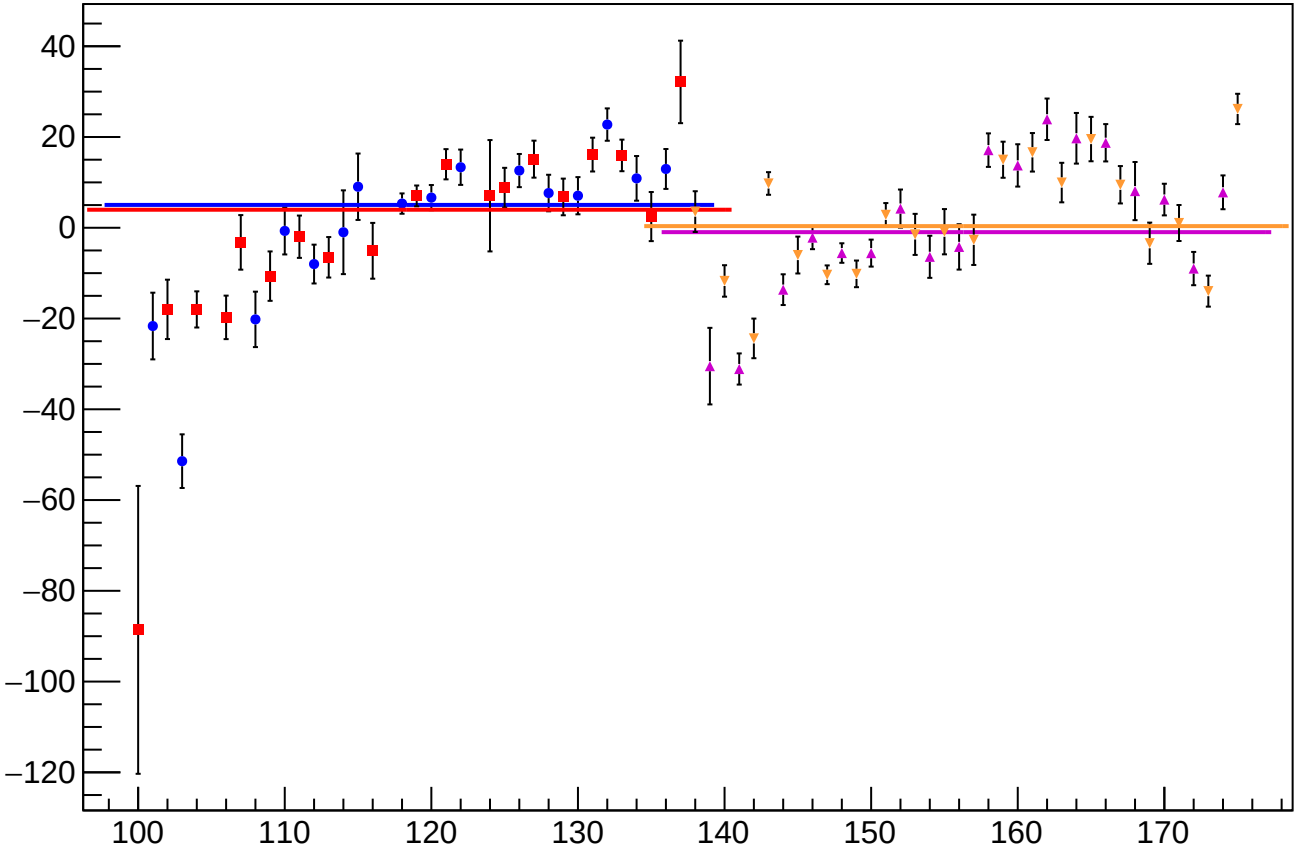
Left In: 232.225+/-1.240 χ^2/NDF:687.9/17

+ sign 167.393+/-0.751 χ^2/NDF: 8777.0/35

All: 170.988+/-0.534 χ^2/NDF: 14909.6/72

- sign 174.666+/-0.759 χ^2/NDF: 6086.2/36

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: 0.363+/-0.794 χ^2/NDF:233.9/19

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

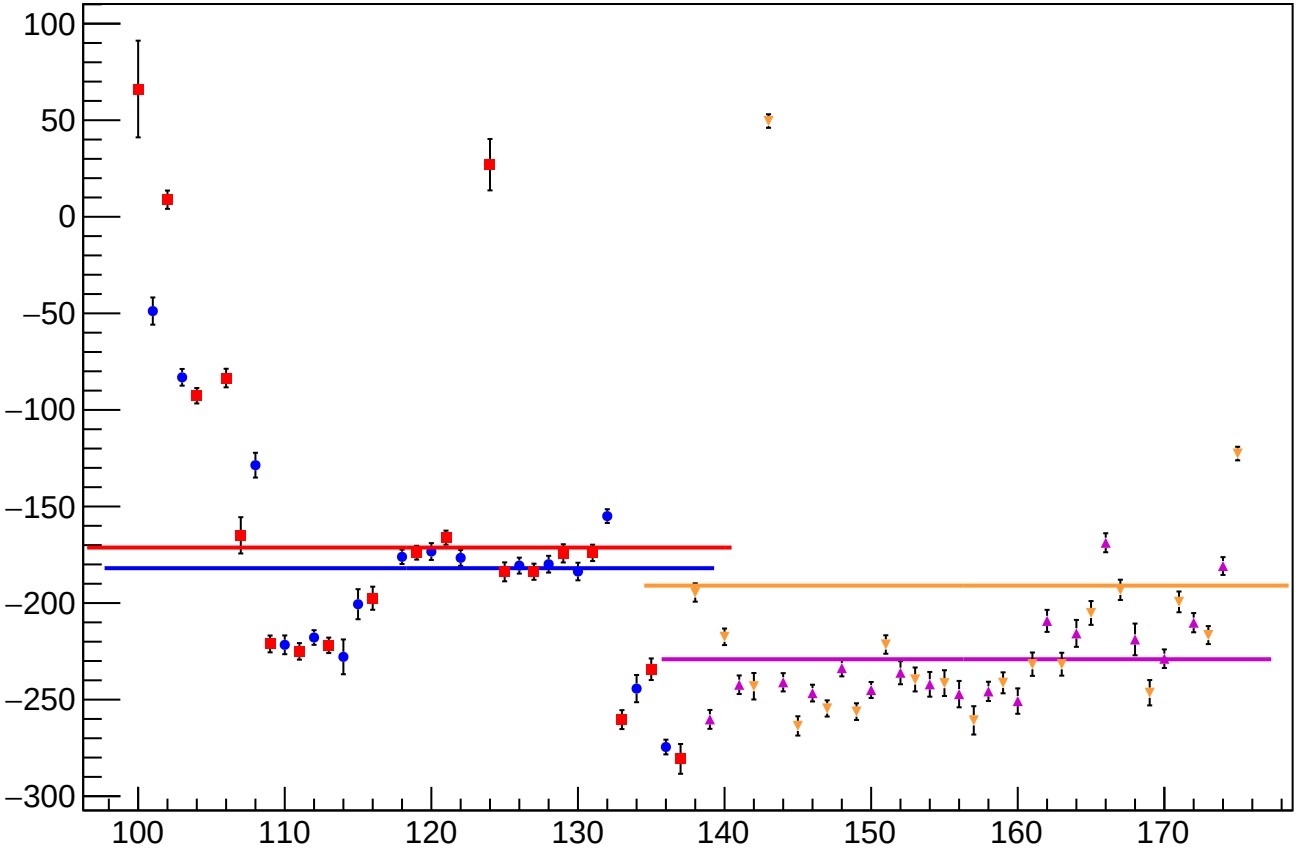
Left In: -0.965+/-0.869 χ^2/NDF:230.7/17

+ sign 2.125+/-0.627 χ^2/NDF: 418.9/35

All: 1.654+/-0.454 χ^2/NDF: 809.3/72

- sign 1.132+/-0.659 χ^2/NDF: 389.2/36

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -190.958+/-1.119 χ^2/NDF:6360.2/19

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

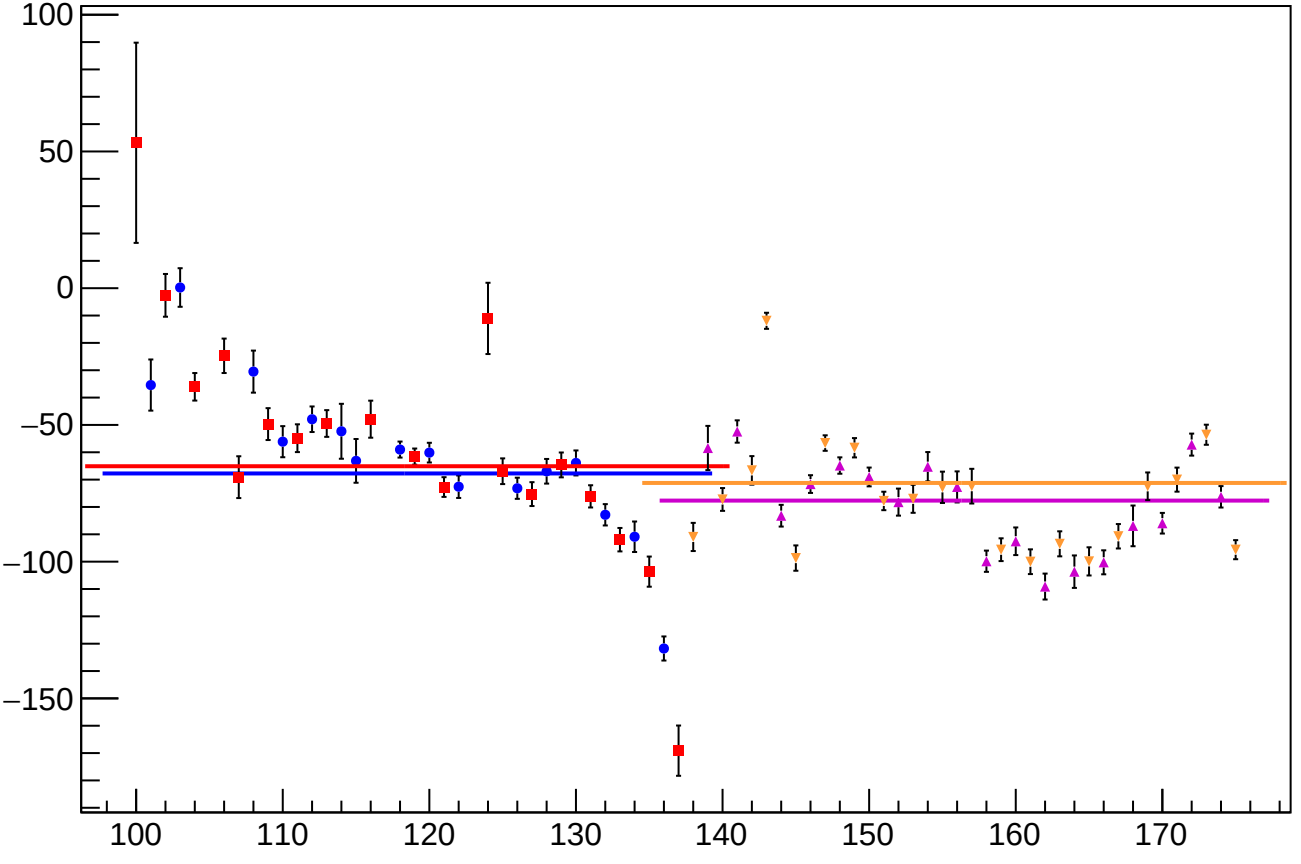
Left In: -229.093+/-1.221 χ^2/NDF:412.7/17

+ sign -186.592+/-0.803 χ^2/NDF: 8262.1/35

All: -191.899+/-0.574 χ^2/NDF: 13619.2/72

- sign -197.454+/-0.822 χ^2/NDF: 5267.8/36

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -71.215+/-0.925 χ^2/NDF:725.3/19

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

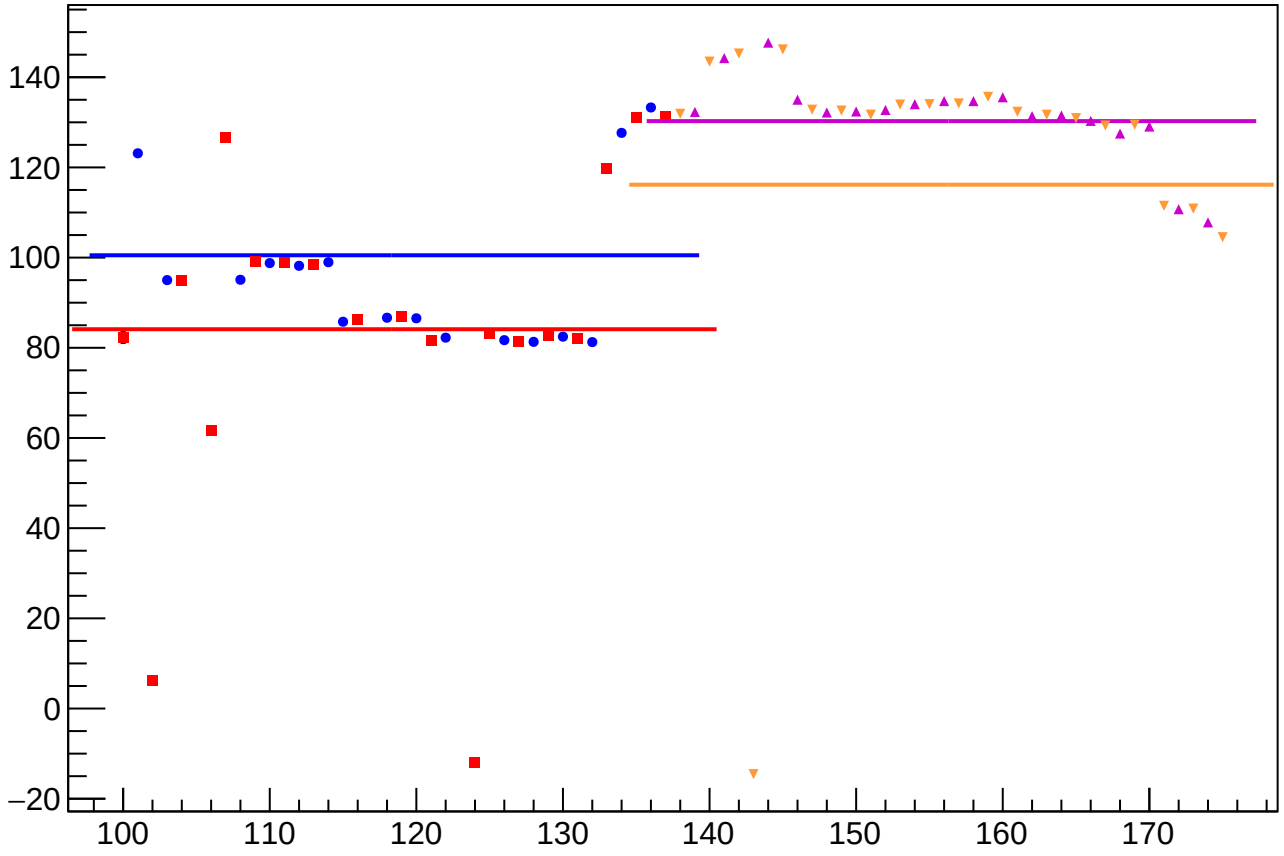
Left In: -77.670+/-1.009 χ^2/NDF:243.3/17

+ sign -69.897+/-0.728 χ^2/NDF: 1144.7/35

All: -71.038+/-0.527 χ^2/NDF: 1888.6/72

- sign -72.292+/-0.763 χ^2/NDF: 738.7/36

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 116.167+/-0.044 χ^2/NDF:945259.0/19

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

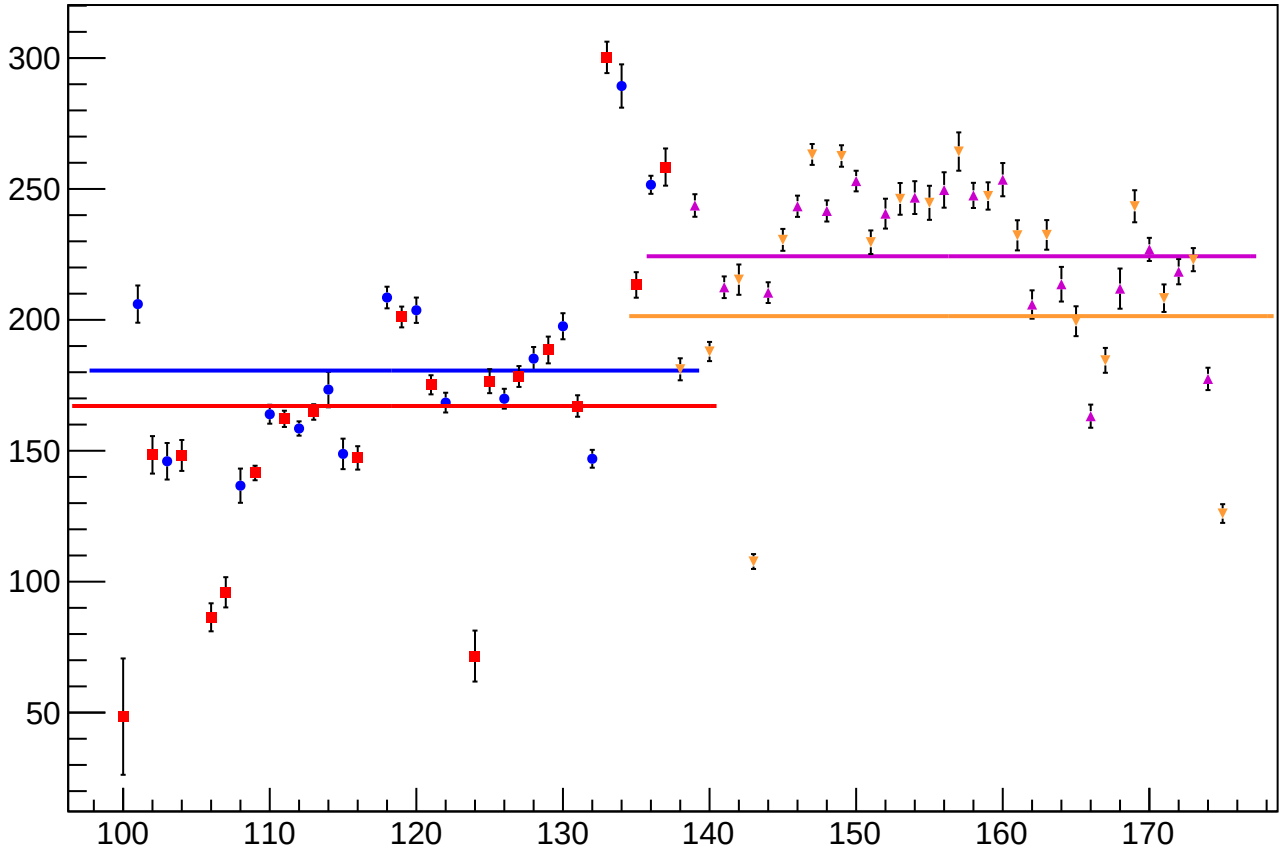
Left In: 130.268+/-0.046 χ^2/NDF:47389.7/17

+ sign 112.143+/-0.038 χ^2/NDF: 1045983.7/35

All: 114.131+/-0.027 χ^2/NDF: 1671995.3/72

- sign 116.195+/-0.038 χ^2/NDF: 620286.5/36

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 201.428+/-1.027 χ^2/NDF:2518.8/19

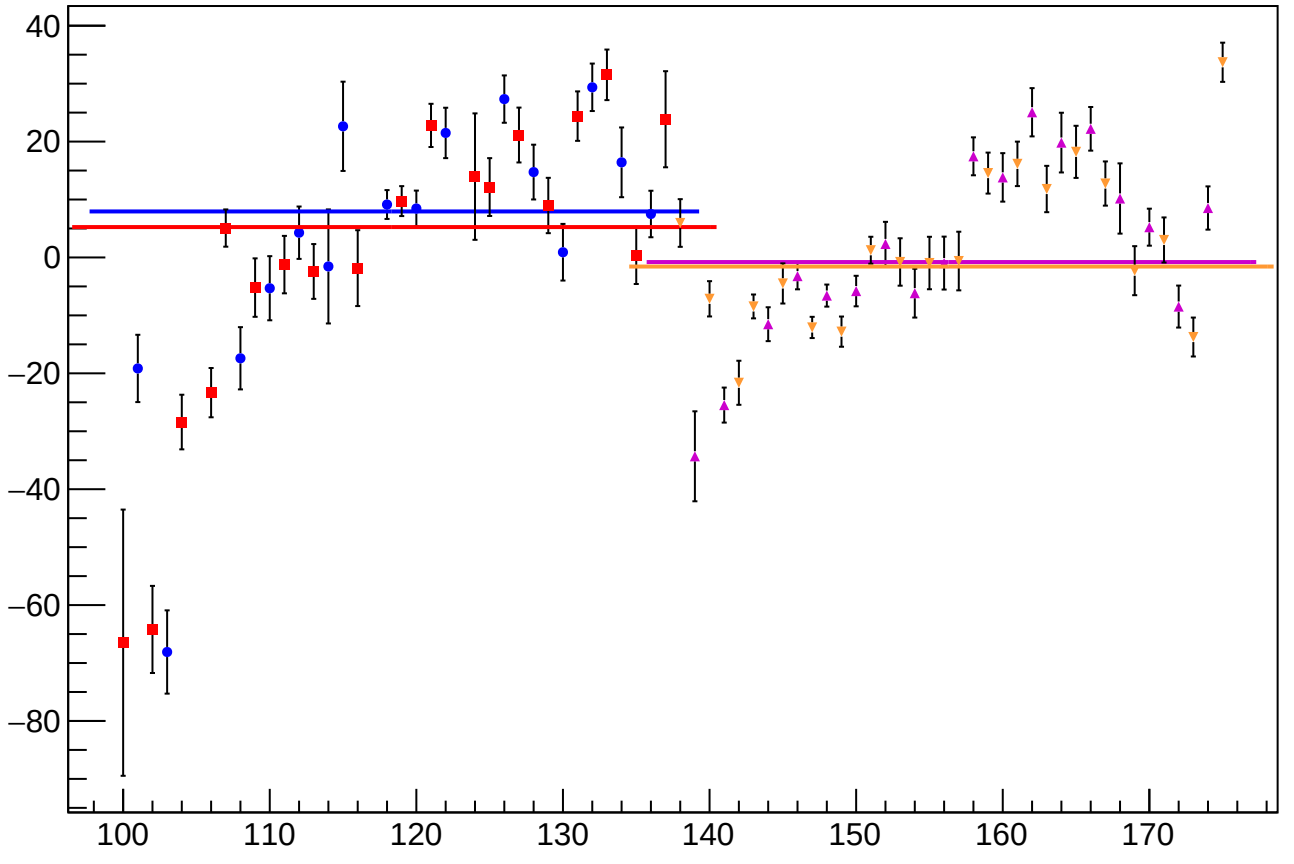
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 224.293+/-1.130 χ^2/NDF:543.8/17

+ sign 191.647+/-0.747 χ^2/NDF: 3705.1/35

All: 192.213+/-0.532 χ^2/NDF: 7144.7/72

- sign 192.795+/-0.758 χ^2/NDF: 3438.5/36



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -1.569+/-0.714 χ^2/NDF:309.4/19

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

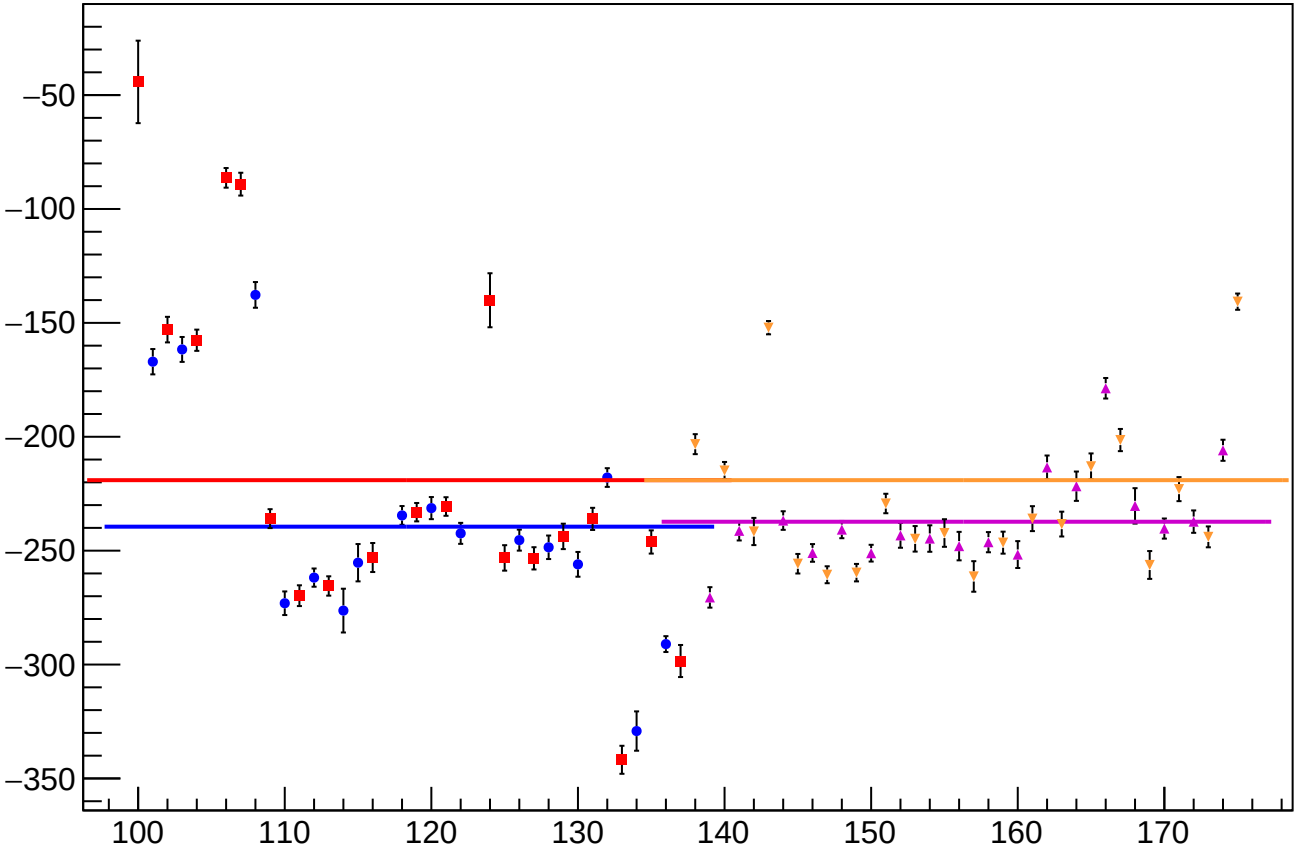
Left In: -0.793+/-0.786 χ^2/NDF:267.8/17

+ sign 1.206+/-0.601 χ^2/NDF: 594.0/35

All: 1.272+/-0.436 χ^2/NDF: 1185.6/72

- sign 1.344+/-0.632 χ^2/NDF: 591.6/36

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -219.052+/-1.015 χ^2/NDF:1562.7/19

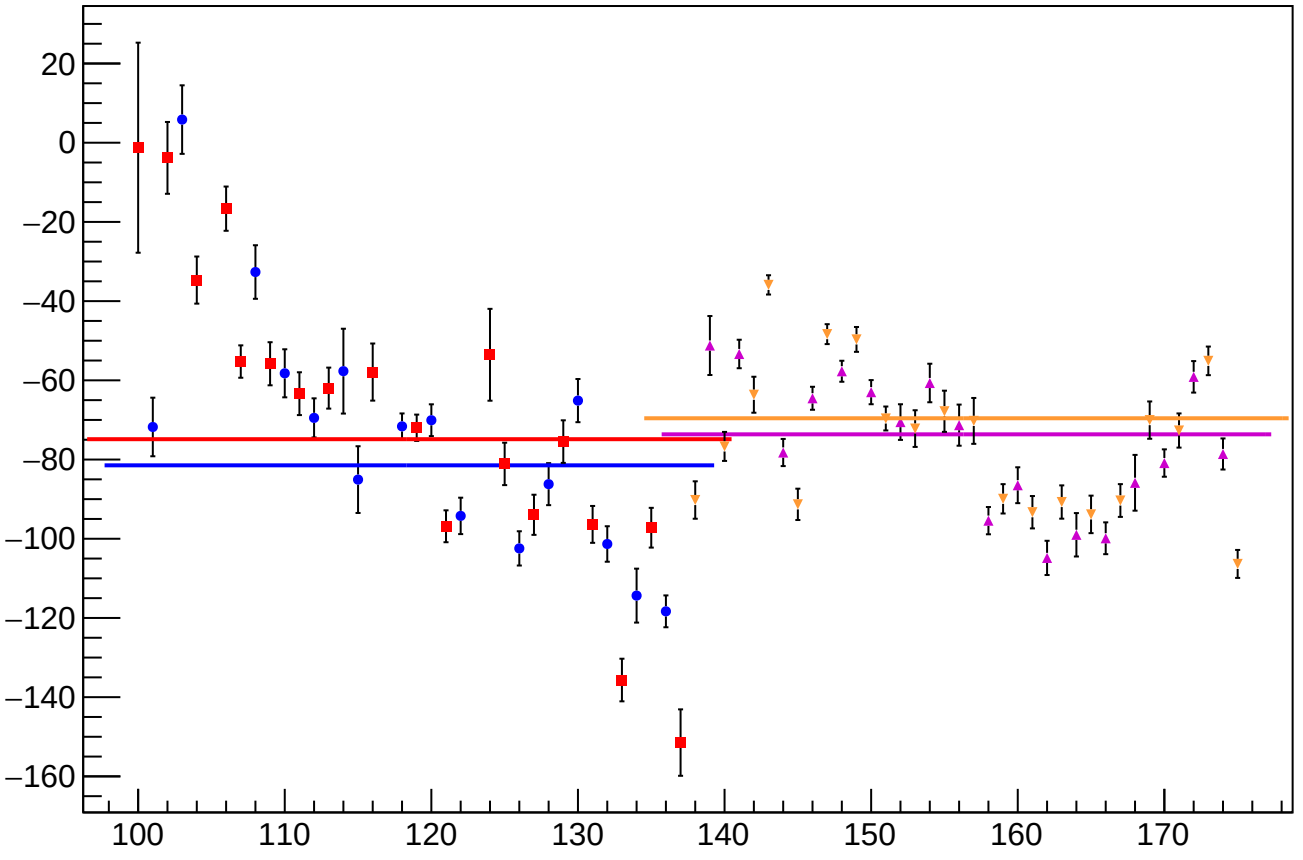
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -237.302+/-1.111 χ^2/NDF:341.9/17

+ sign -227.203+/-0.787 χ^2/NDF: 2886.4/35

All: -227.931+/-0.564 χ^2/NDF: 6406.5/72

- sign -228.698+/-0.808 χ^2/NDF: 3518.4/36



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -69.577+/-0.836 χ^2/NDF:623.5/19

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

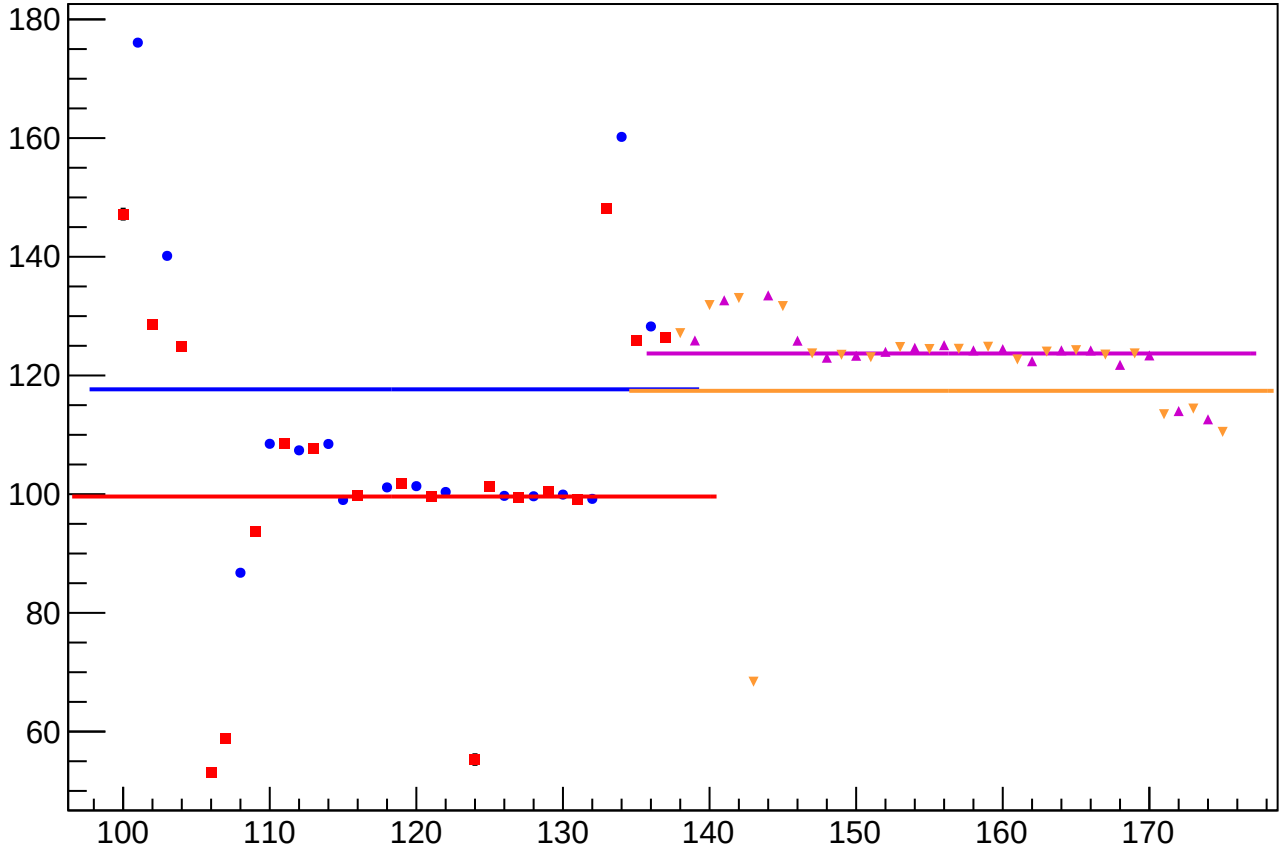
Left In: -73.633+/-0.916 χ^2/NDF:295.3/17

+ sign -73.104+/-0.701 χ^2/NDF: 1050.0/35

All: -73.565+/-0.507 χ^2/NDF: 1923.4/72

- sign -74.071+/-0.735 χ^2/NDF: 872.5/36

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.415+/-0.040 χ^2/NDF:201096.2/19

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

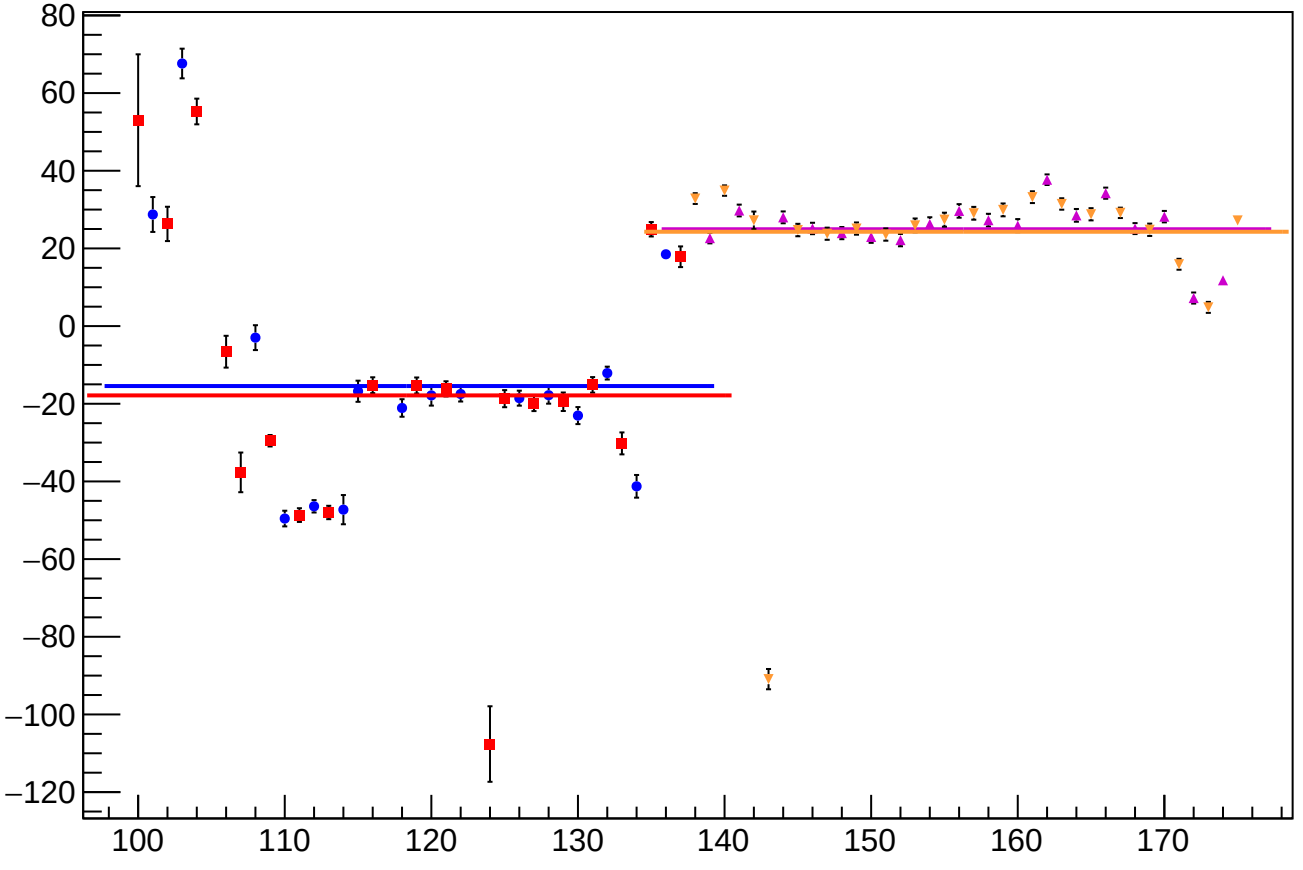
Left In: 123.706+/-0.042 χ^2/NDF:14106.8/17

+ sign 117.466+/-0.035 χ^2/NDF: 296501.6/35

All: 117.430+/-0.025 χ^2/NDF: 563589.2/72

- sign 117.392+/-0.036 χ^2/NDF: 267085.4/36

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.293+/-0.342 χ^2/NDF:2383.3/19

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

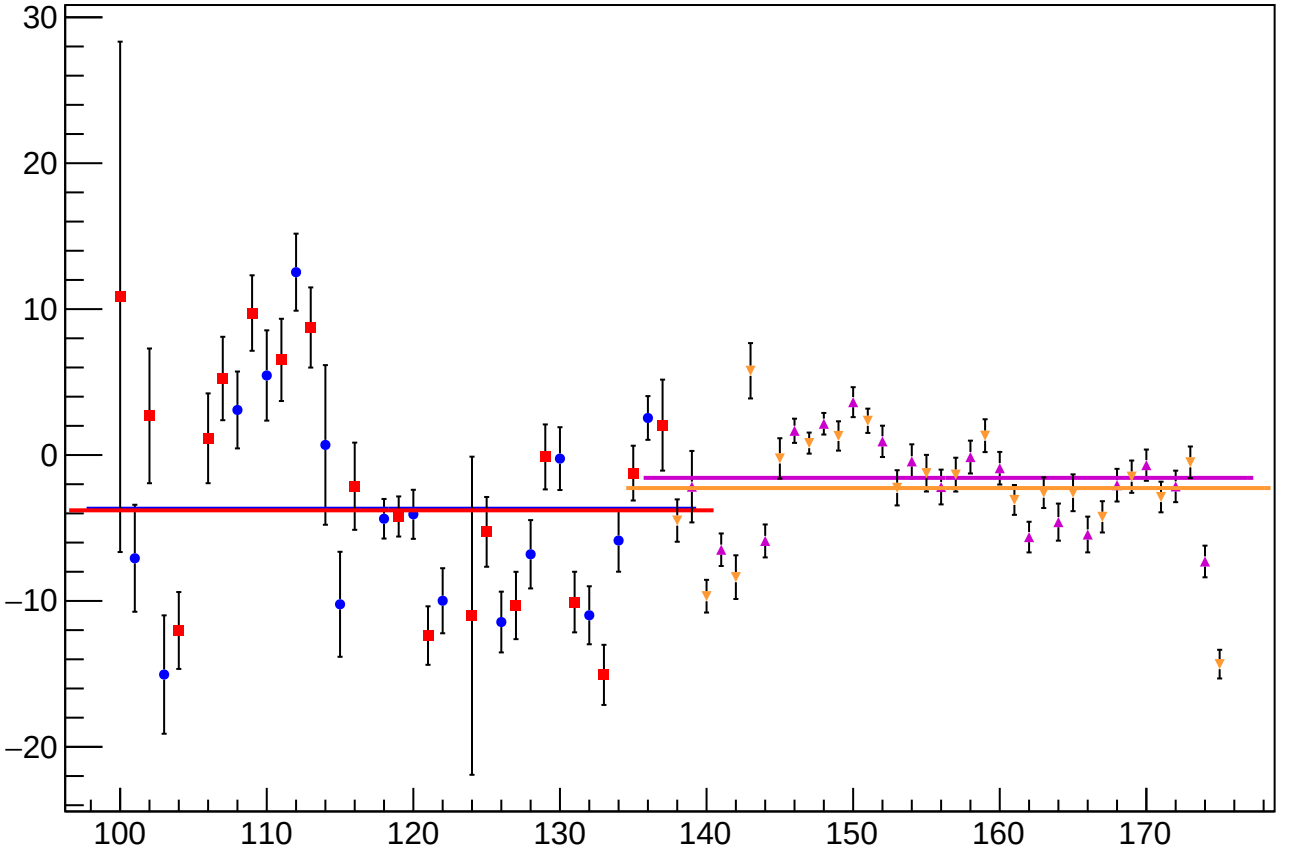
Left In: 24.935+/-0.354 χ^2/NDF:440.2/17

+ sign 12.907+/-0.289 χ^2/NDF: 8383.3/35

All: 12.332+/-0.206 χ^2/NDF: 15468.5/72

- sign 11.734+/-0.294 χ^2/NDF: 7077.2/36

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.263+/-0.245 χ^2/NDF:314.2/19

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

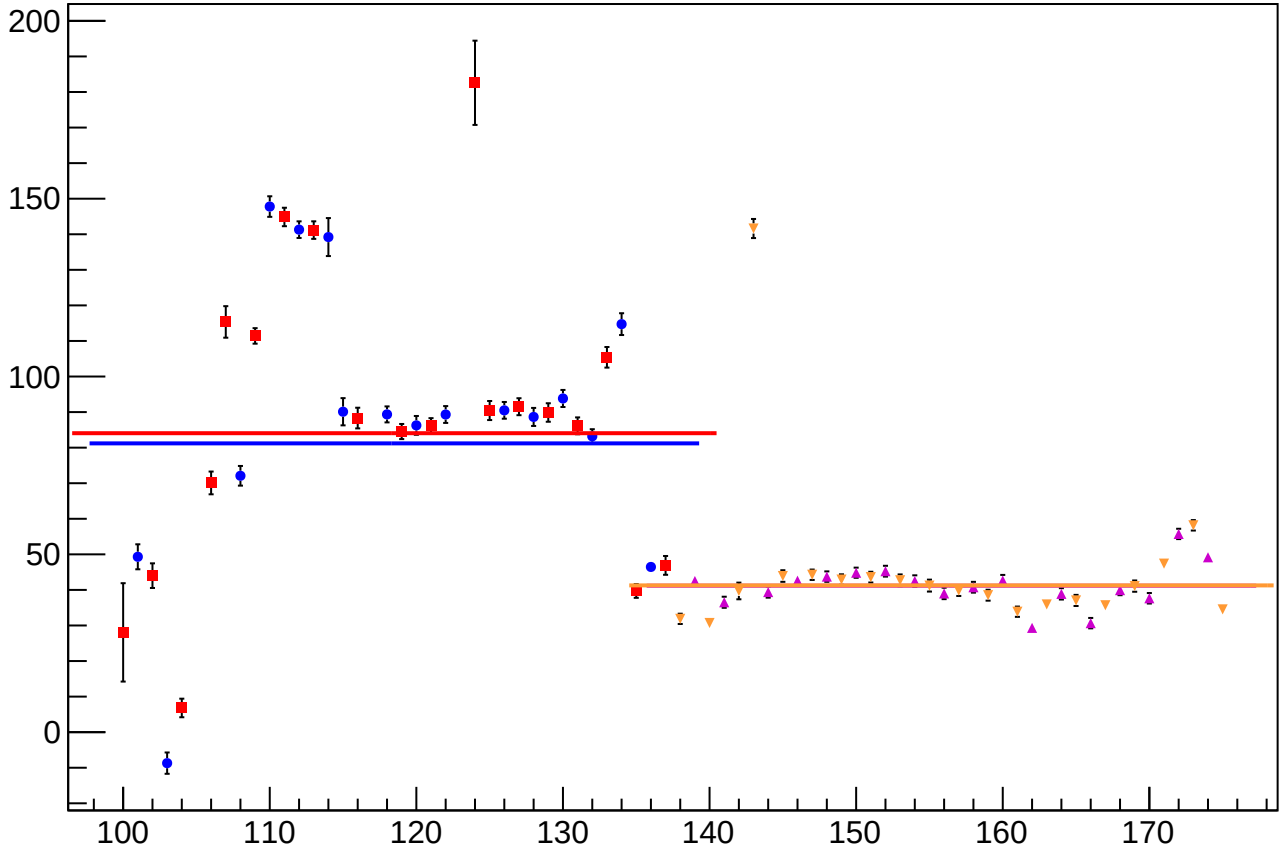
Left In: -1.565+/-0.254 χ^2/NDF:168.3/17

+ sign -2.496+/-0.224 χ^2/NDF: 443.7/35

All: -2.229+/-0.161 χ^2/NDF: 789.1/72

- sign -1.942+/-0.232 χ^2/NDF: 342.5/36

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.271+/-0.336 χ^2/NDF:1769.6/19

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

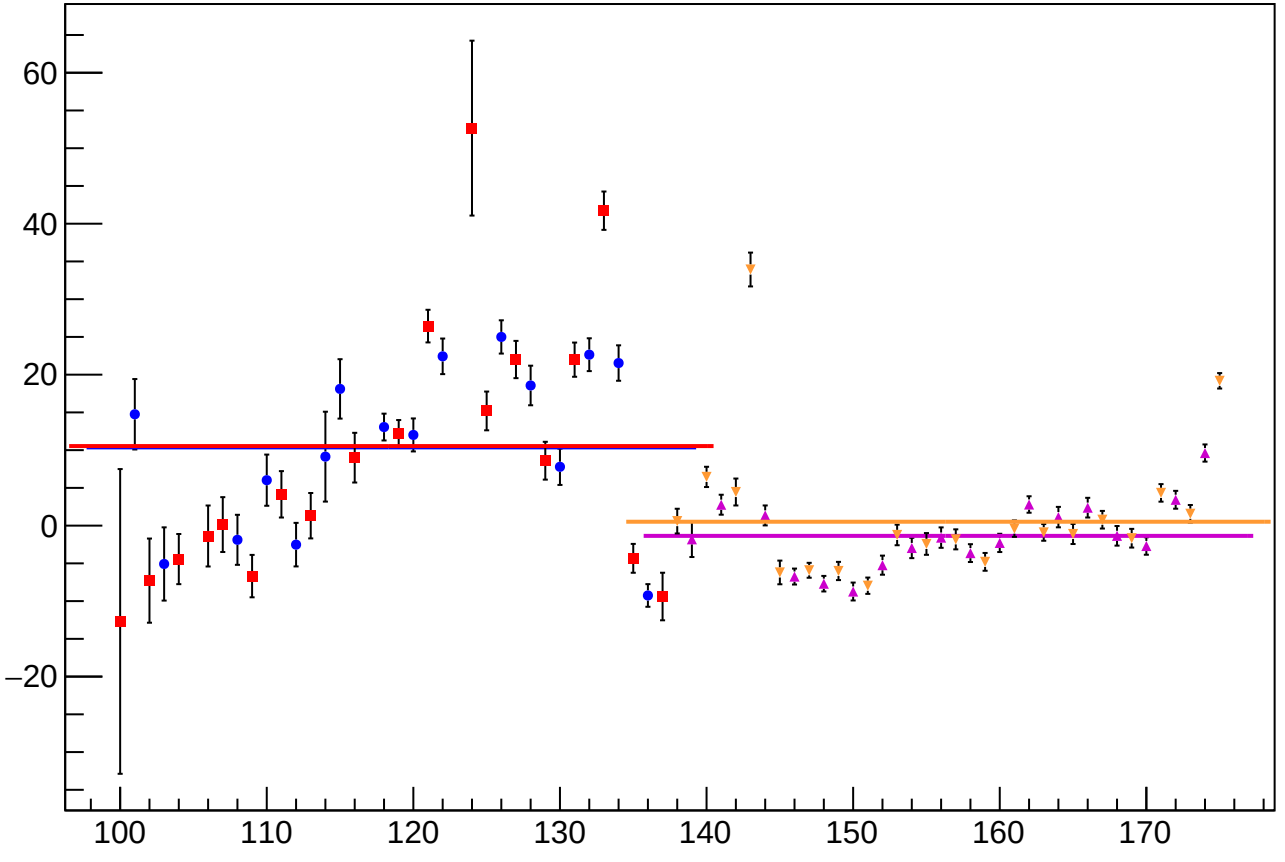
Left In: 41.183+/-0.348 χ^2/NDF:310.9/17

+ sign 50.626+/-0.294 χ^2/NDF: 8313.4/35

All: 51.078+/-0.211 χ^2/NDF: 15505.9/72

- sign 51.559+/-0.303 χ^2/NDF: 7187.6/36

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 0.516+/-0.280 χ^2/NDF:778.6/19

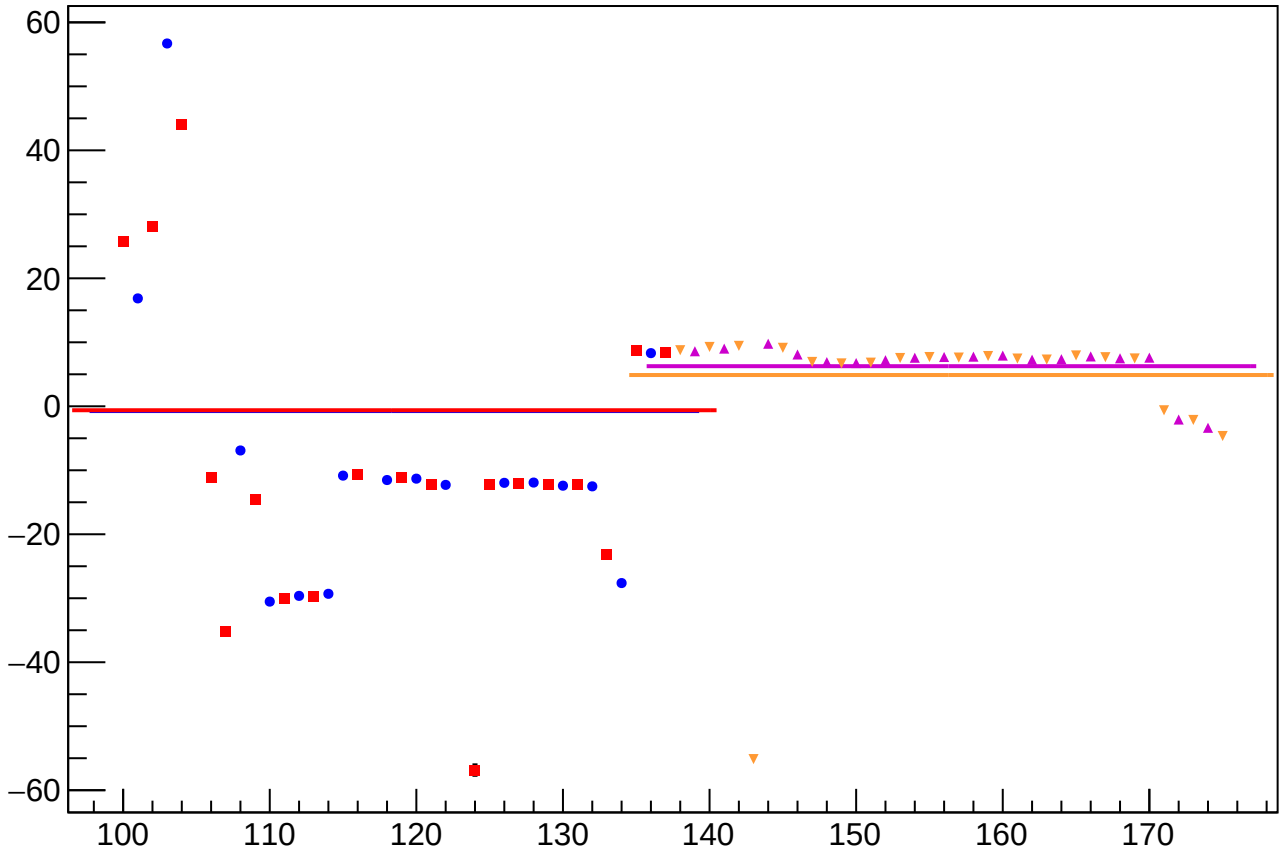
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -1.357+/-0.291 χ^2/NDF:268.3/17

+ sign 2.155+/-0.256 χ^2/NDF: 1344.4/35

All: 1.445+/-0.184 χ^2/NDF: 2385.5/72

- sign 0.681+/-0.265 χ^2/NDF: 1025.1/36



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.886+/-0.013 χ^2/NDF:403470.8/19

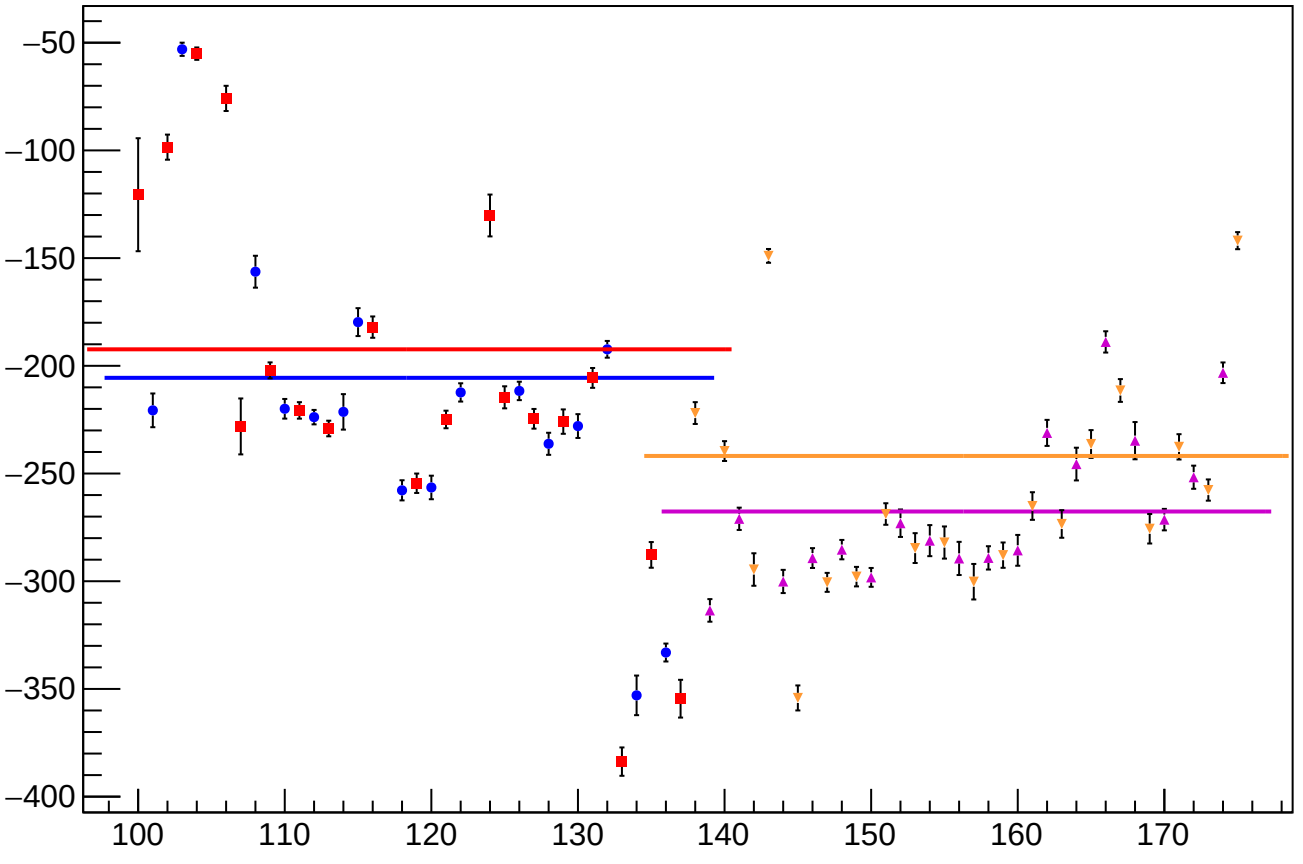
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 6.268+/-0.013 χ^2/NDF:83689.2/17

+ sign 4.262+/-0.012 χ^2/NDF: 793363.8/35

All: 4.891+/-0.009 χ^2/NDF: 1229616.1/72

- sign 5.540+/-0.012 χ^2/NDF: 430610.2/36



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -241.842+/-1.181 χ^2/NDF:2557.4/19

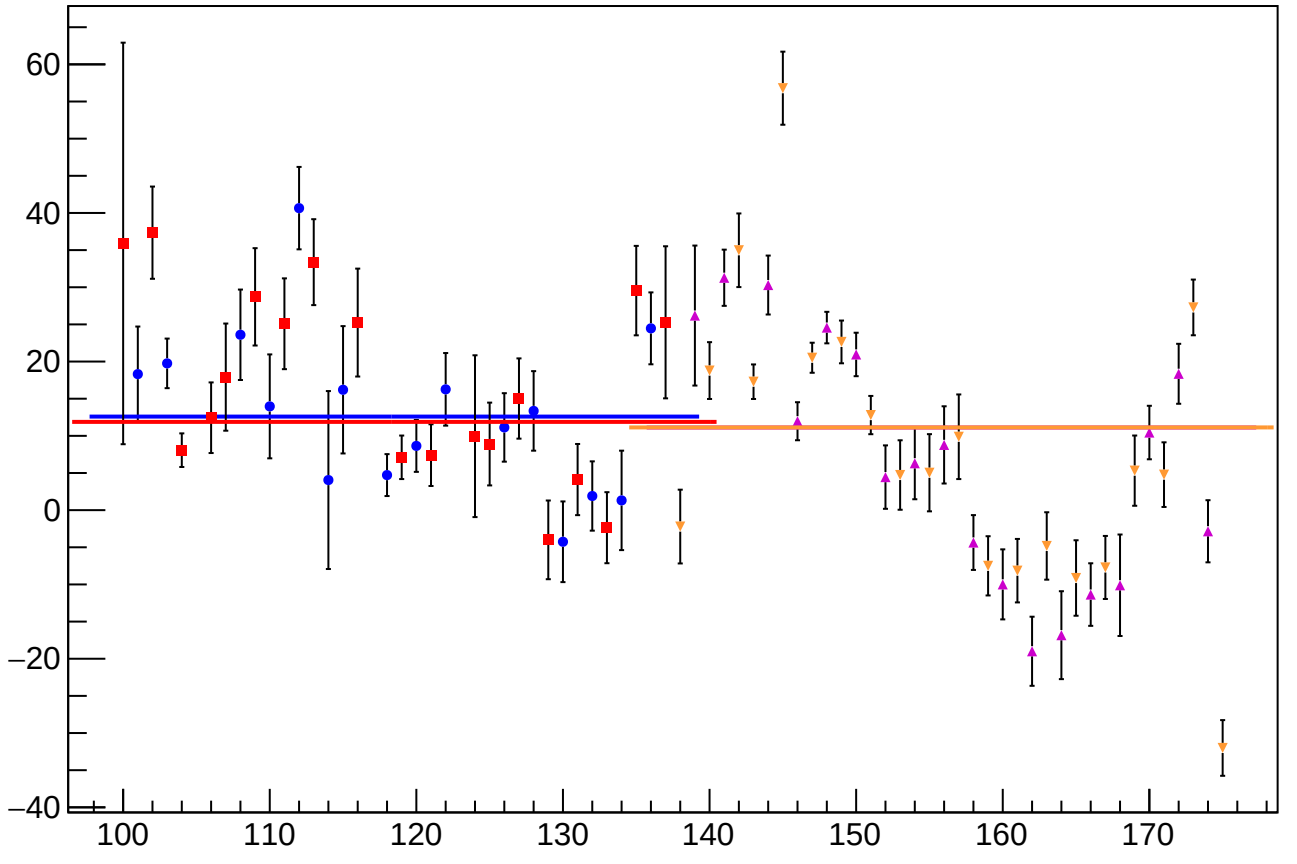
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -267.634+/-1.303 χ^2/NDF:737.8/17

+ sign -223.766+/-0.836 χ^2/NDF: 7083.4/35

All: -224.084+/-0.596 χ^2/NDF: 14707.5/72

- sign -224.413+/-0.850 χ^2/NDF: 7623.8/36



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 11.134+/-0.815 χ^2/NDF:413.8/19

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

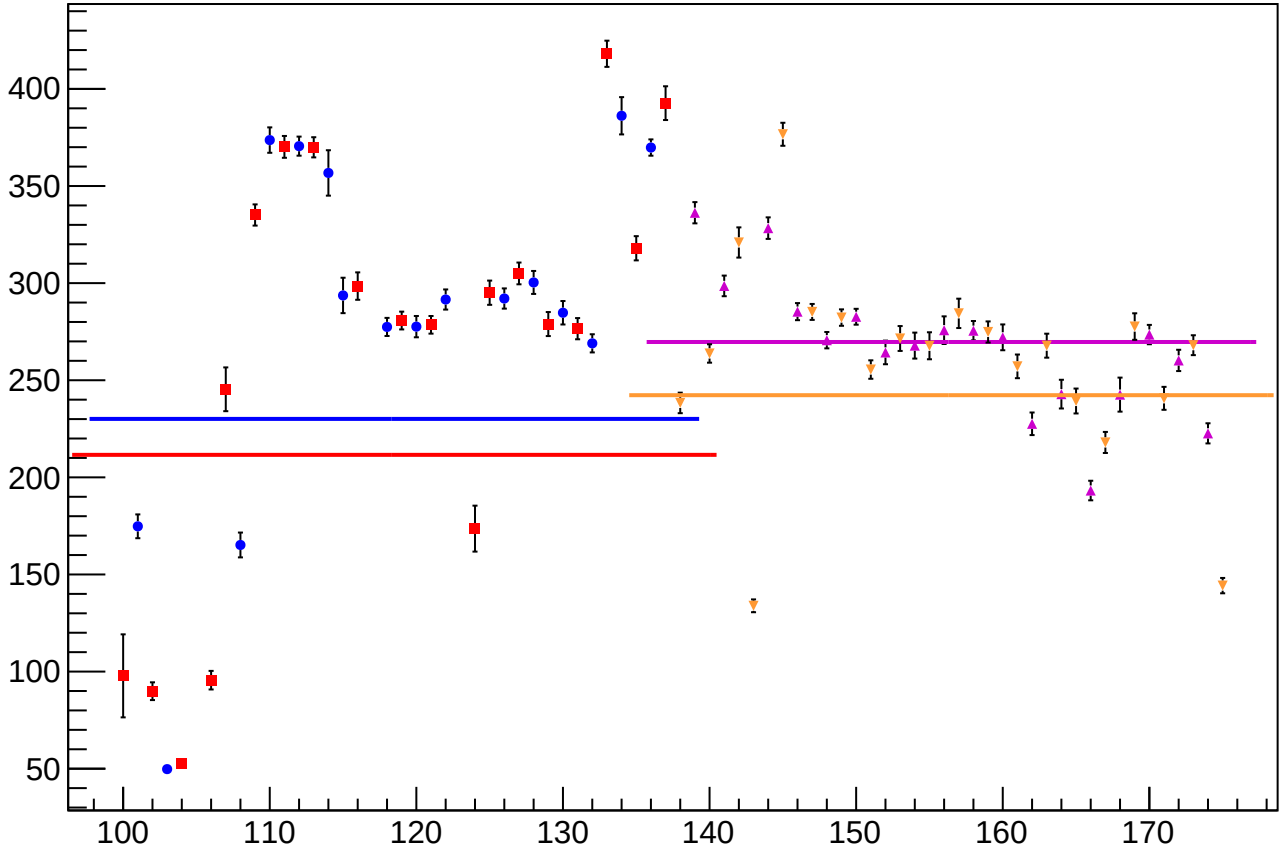
Left In: 11.121+/-0.899 χ^2/NDF:264.1/17

+ sign 11.593+/-0.675 χ^2/NDF: 483.3/35

All: 11.509+/-0.486 χ^2/NDF: 832.7/72

- sign 11.418+/-0.701 χ^2/NDF: 349.3/36

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 242.304+/-1.165 χ^2/NDF:2736.7/19

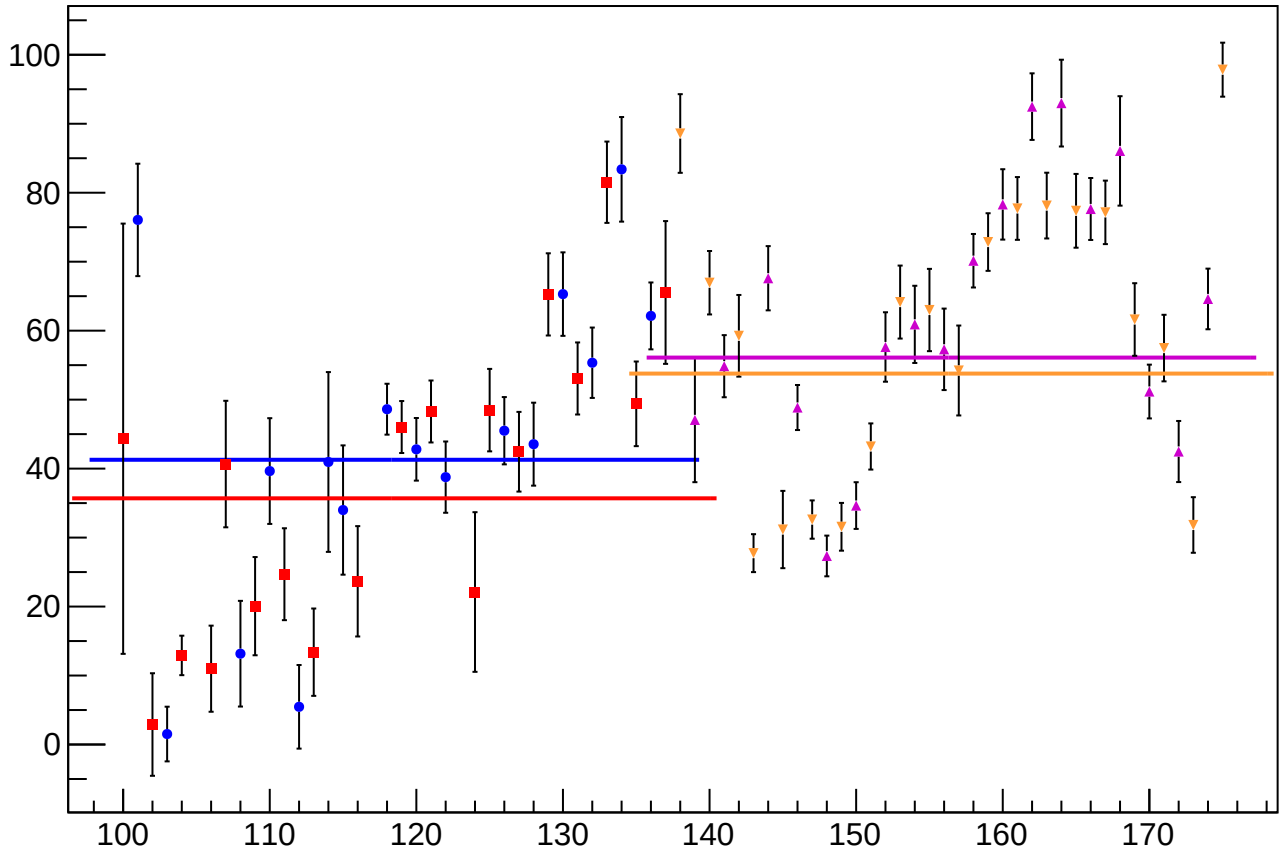
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 269.695+/-1.278 χ^2/NDF:706.8/17

+ sign 236.676+/-0.855 χ^2/NDF: 12163.0/35

All: 237.669+/-0.611 χ^2/NDF: 25447.5/72

- sign 238.703+/-0.873 χ^2/NDF: 13281.7/36



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 53.778+/-0.954 χ^2/NDF:546.7/19

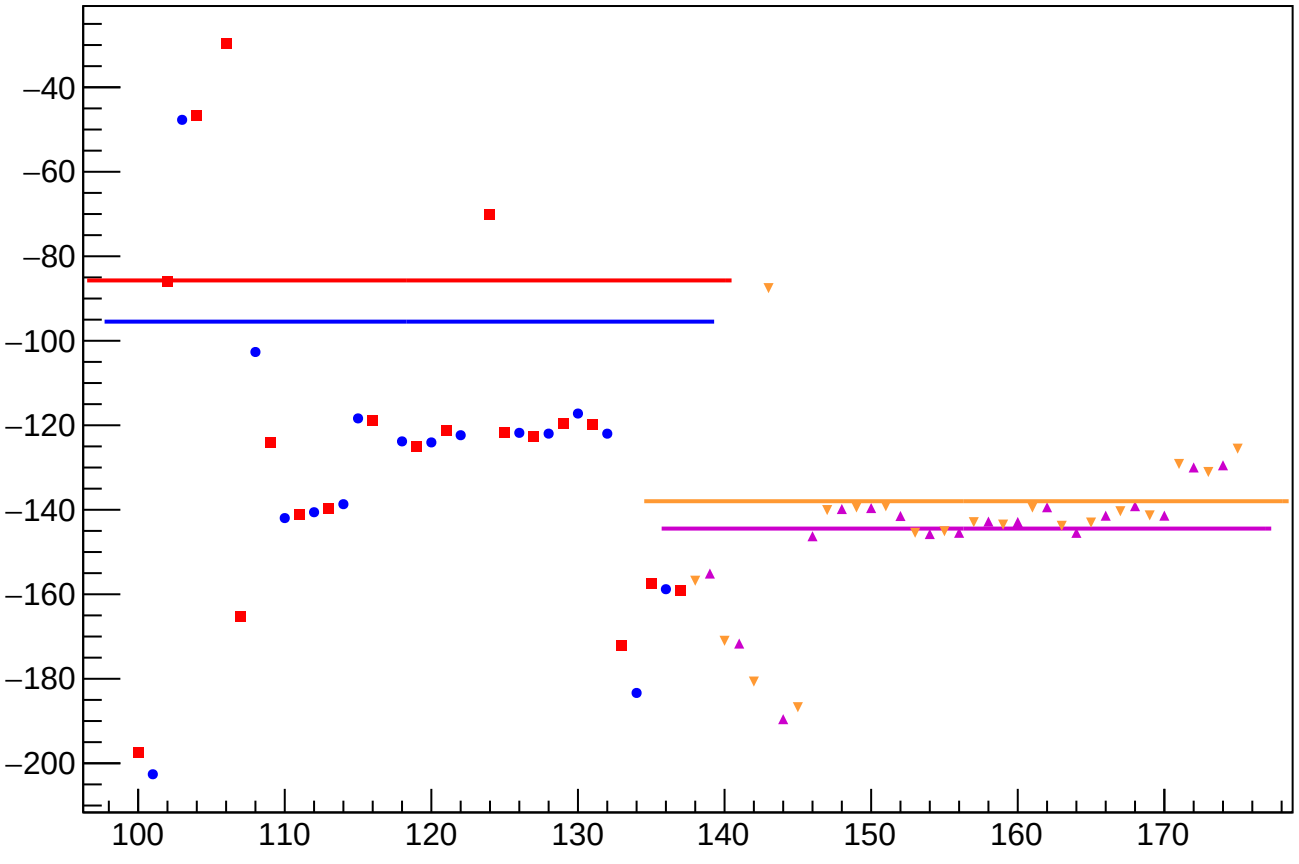
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 56.097+/-1.048 χ^2/NDF:323.4/17

+ sign 49.804+/-0.788 χ^2/NDF: 847.0/35

All: 49.027+/-0.568 χ^2/NDF: 1572.7/72

- sign 48.186+/-0.820 χ^2/NDF: 723.6/36



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.974+/-0.045 χ^2/NDF:241196.3/19

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

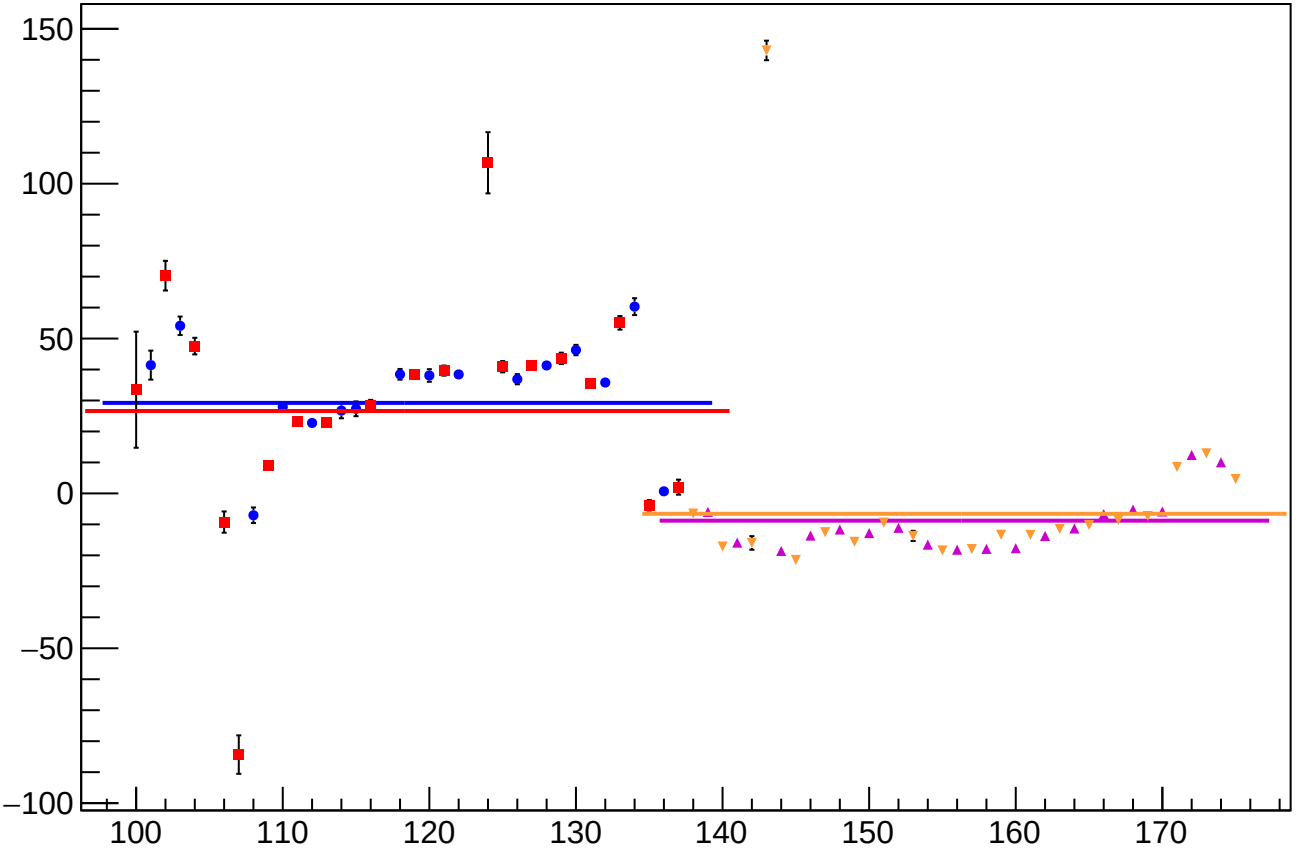
Left In: -144.451+/-0.048 χ^2/NDF:67655.5/17

+ sign -125.271+/-0.038 χ^2/NDF: 1023774.5/35

All: -124.900+/-0.027 χ^2/NDF: 2082569.3/72

- sign -124.510+/-0.039 χ^2/NDF: 1058599.4/36

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: -6.582+/-0.320 χ^2/NDF:3157.2/19

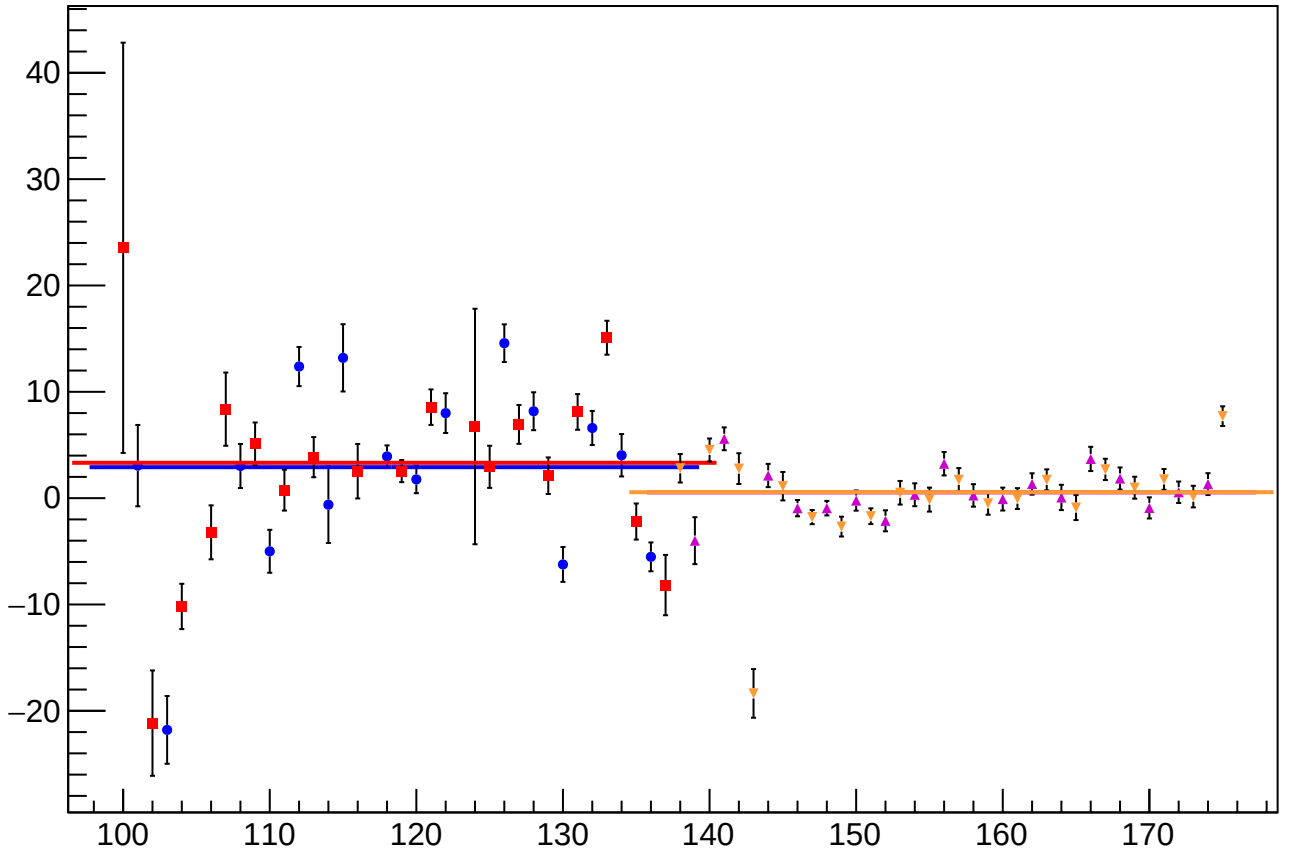
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -8.799+/-0.331 χ^2/NDF:770.2/17

+ sign 6.407+/-0.256 χ^2/NDF: 9040.3/35

All: 5.704+/-0.182 χ^2/NDF: 16211.6/72

- sign 4.986+/-0.258 χ^2/NDF: 7156.0/36



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.561+/-0.229 χ^2/NDF:193.1/19

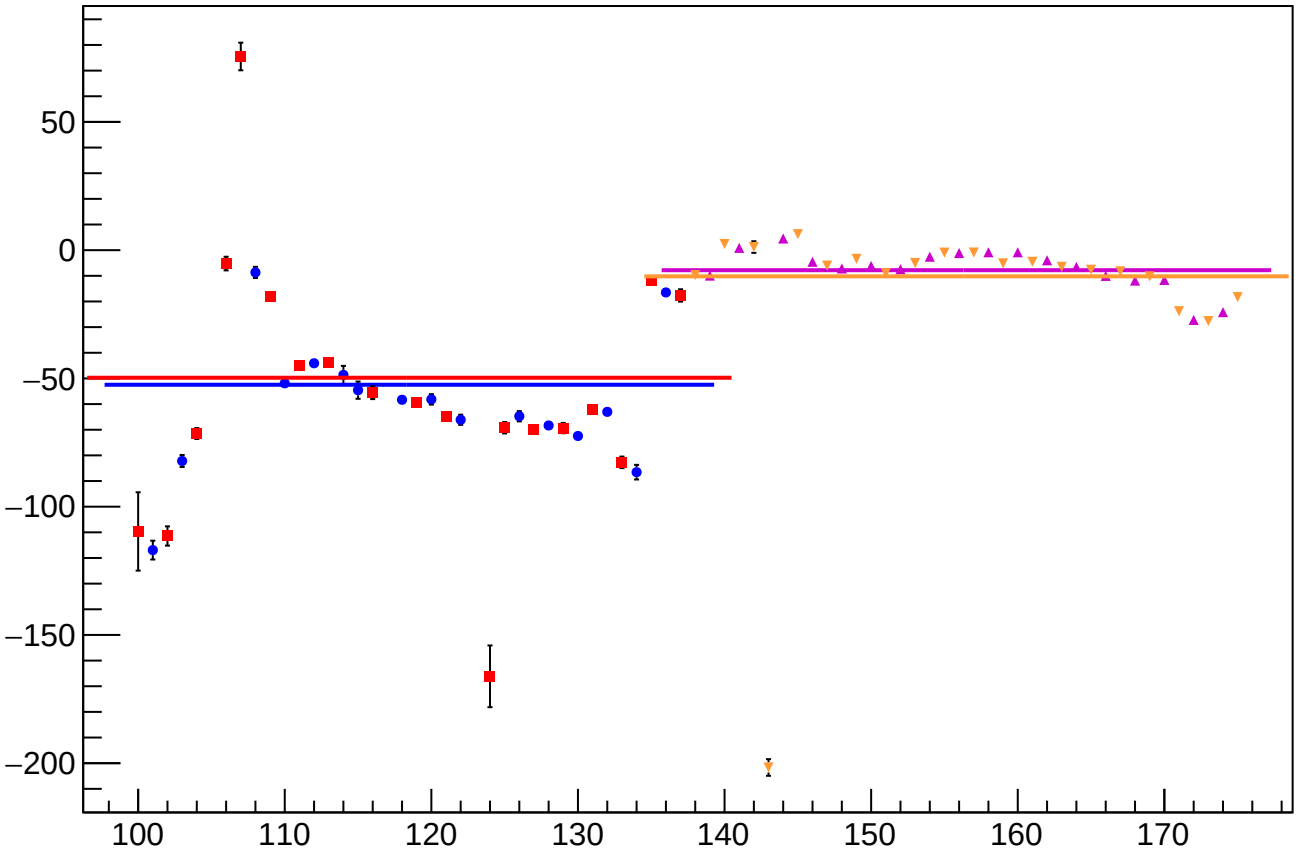
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.543+/-0.238 χ^2/NDF:63.9/17

+ sign 1.057+/-0.203 χ^2/NDF: 465.3/35

All: 1.099+/-0.146 χ^2/NDF: 740.6/72

- sign 1.144+/-0.211 χ^2/NDF: 275.2/36



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -10.204+/-0.314 χ^2/NDF:4213.8/19

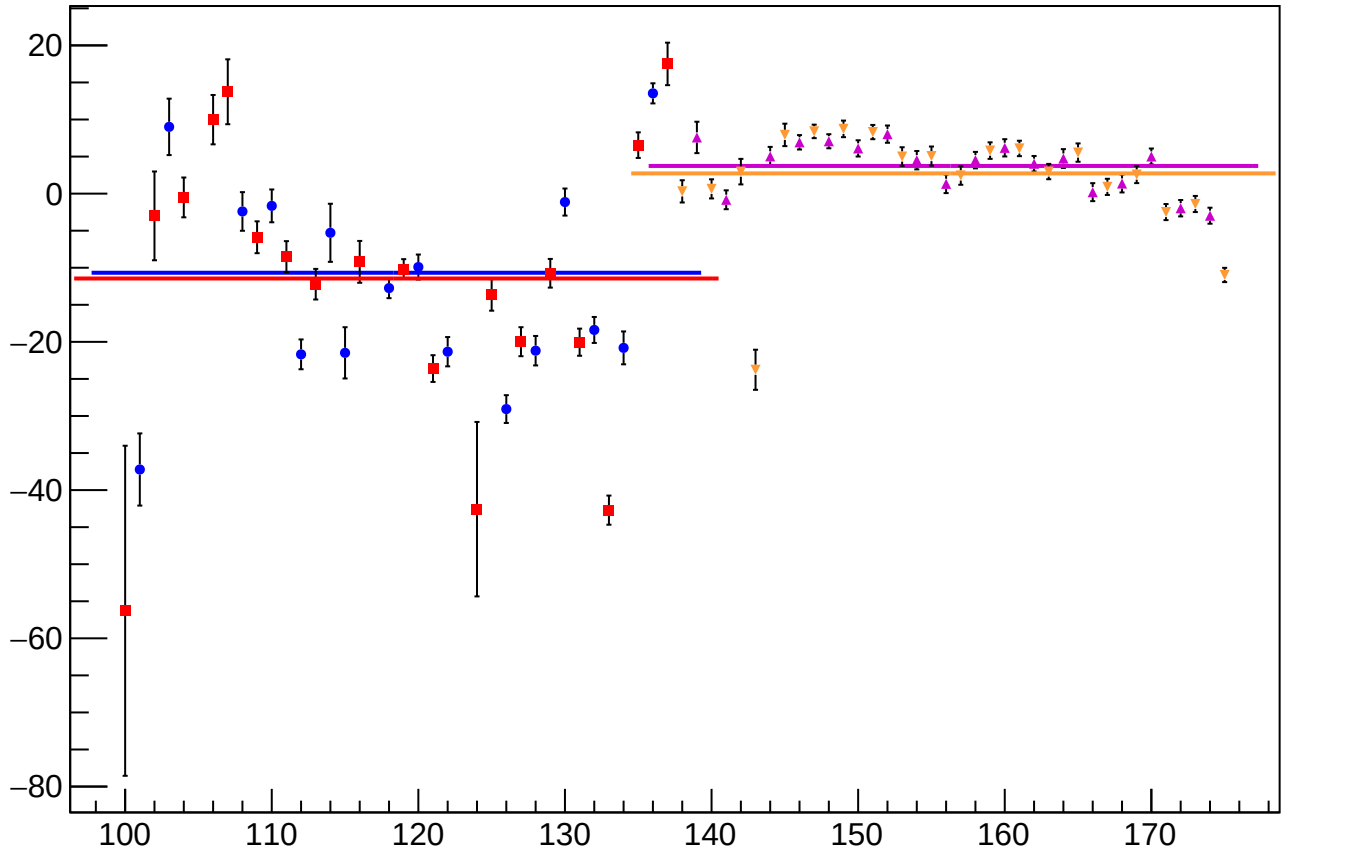
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -7.805+/-0.325 χ^2/NDF:591.1/17

+ sign -22.605+/-0.264 χ^2/NDF: 11848.4/35

All: -21.574+/-0.189 χ^2/NDF: 20505.2/72

- sign -20.485+/-0.272 χ^2/NDF: 8625.4/36



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 2.728+/-0.262 χ^2/NDF:486.8/19

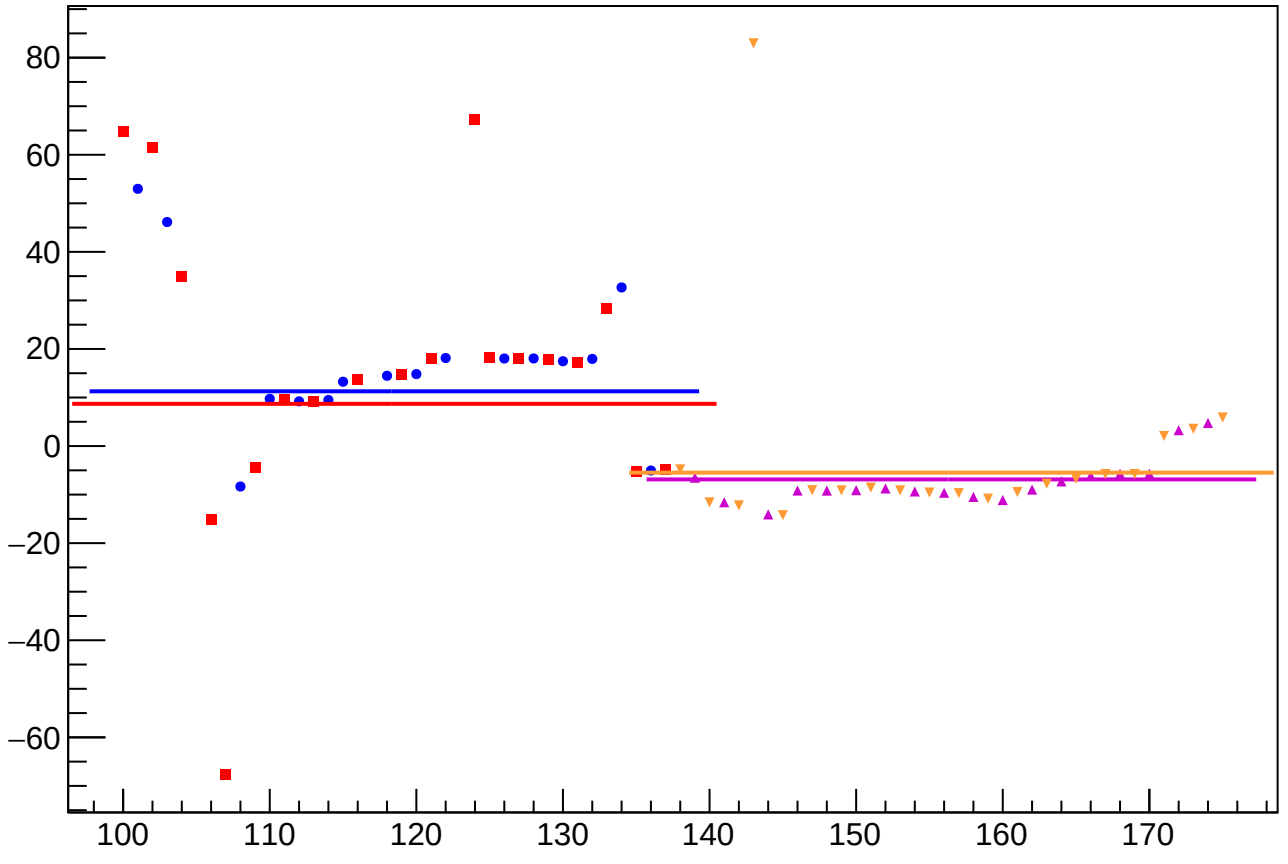
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 3.734+/-0.272 χ^2/NDF:147.2/17

+ sign -0.108+/-0.233 χ^2/NDF: 1707.5/35

All: 0.148+/-0.167 χ^2/NDF: 3200.0/72

- sign 0.424+/-0.241 χ^2/NDF: 1489.9/36



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -5.475+/-0.012 χ^2/NDF:645189.5/19

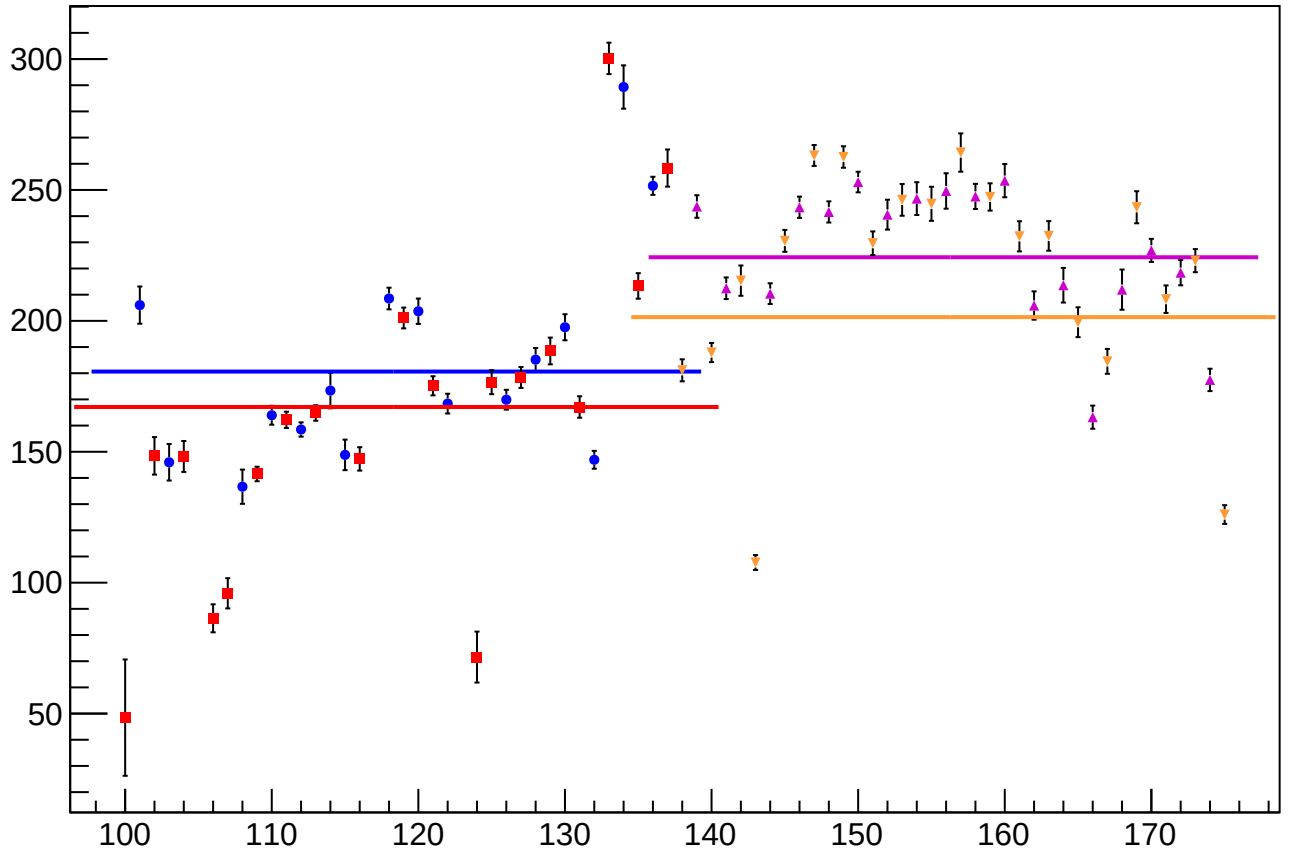
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -6.873+/-0.012 χ^2/NDF:160685.9/17

\+ sign -3.207+/-0.011 χ^2/NDF: 1265533.3/35

All: -4.040+/-0.008 χ^2/NDF: 2088428.2/72

\- sign -4.899+/-0.011 χ^2/NDF: 811279.7/36



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 201.428+/-1.027 χ^2/NDF:2518.8/19

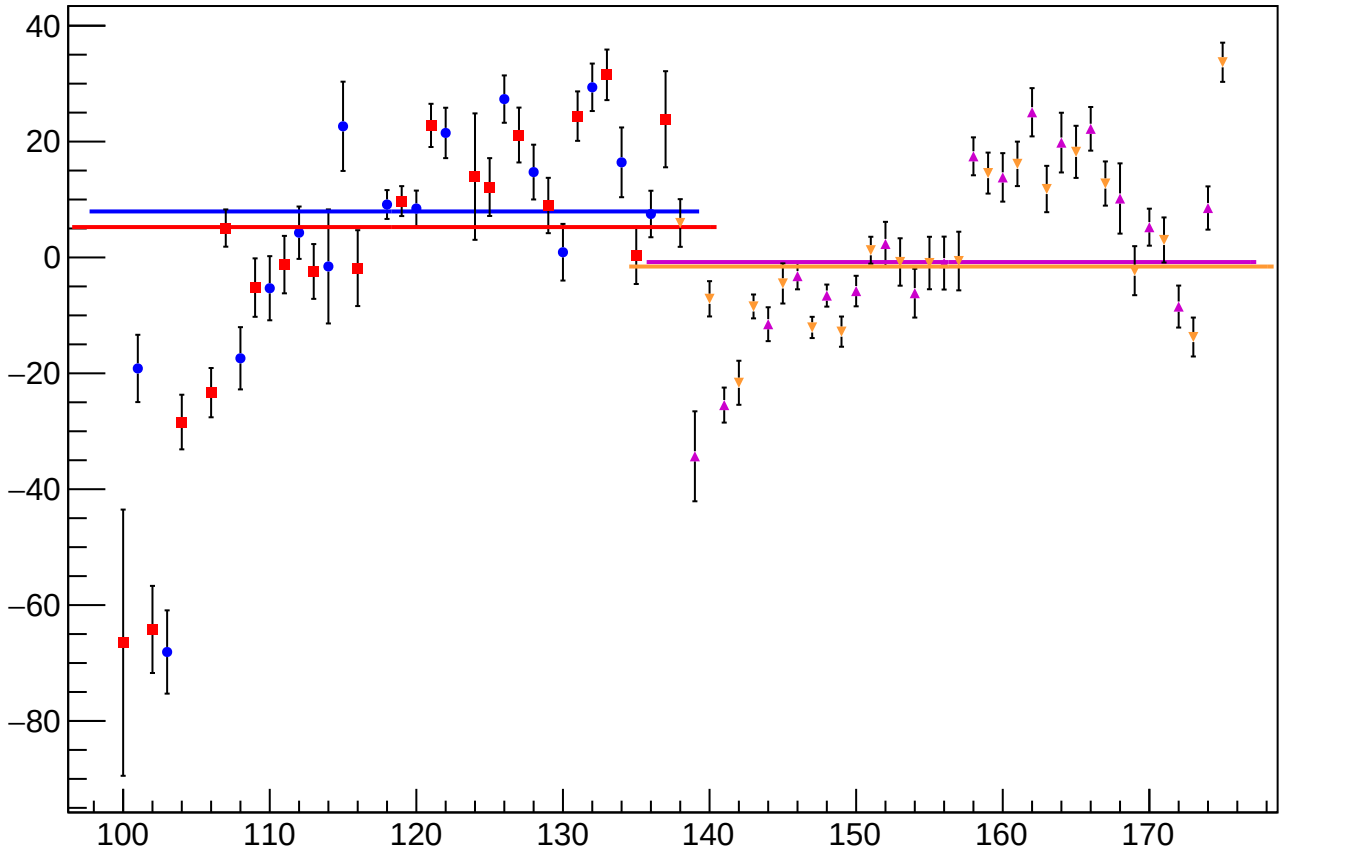
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 224.293+/-1.130 χ^2/NDF:543.8/17

+ sign 191.647+/-0.747 χ^2/NDF: 3705.1/35

All: 192.213+/-0.532 χ^2/NDF: 7144.7/72

- sign 192.795+/-0.758 χ^2/NDF: 3438.5/36


reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug
40
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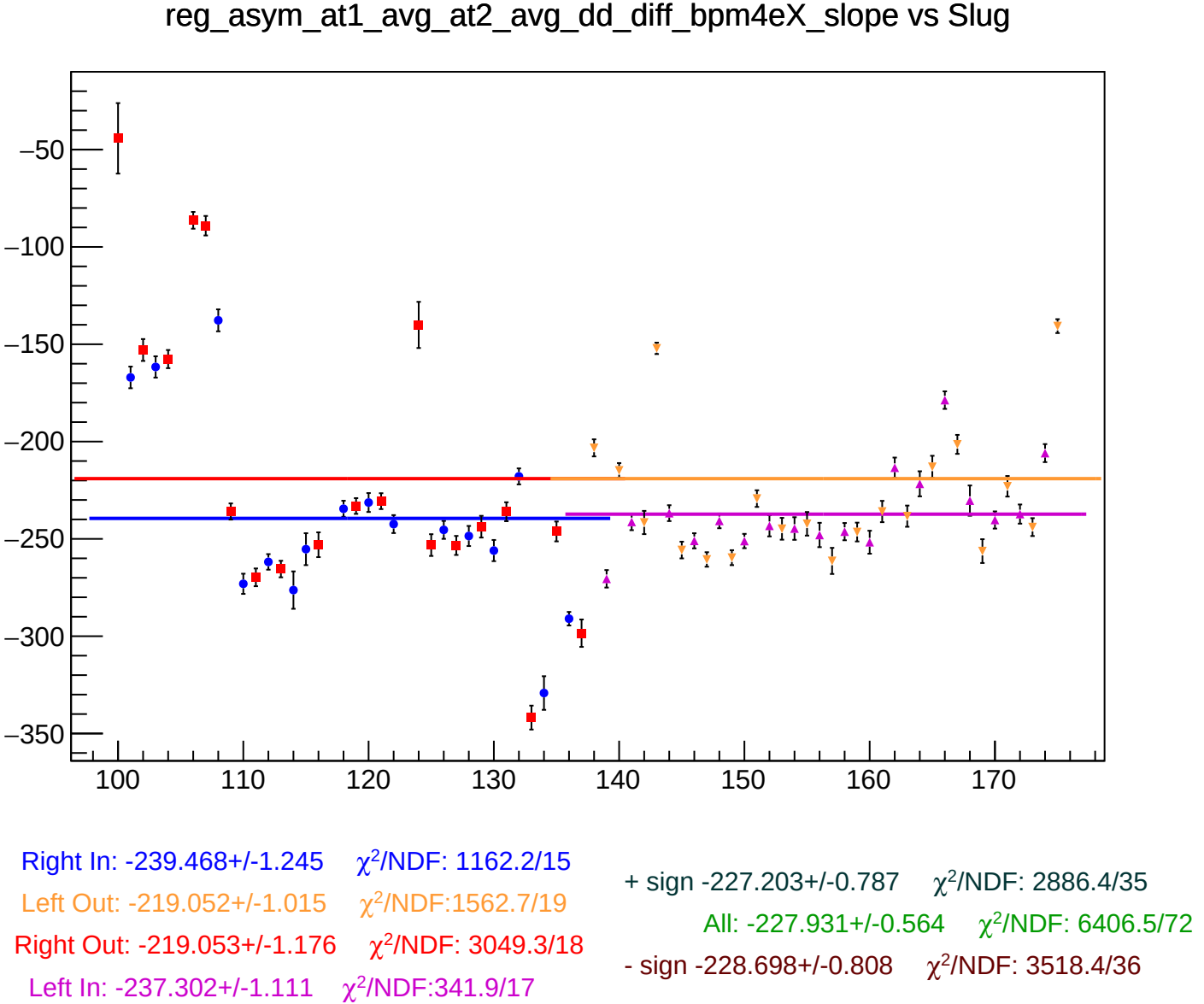
160
170
Right In: 7.942+/-1.113 χ²/NDF: 232.9/15
Left Out: -1.569+/-0.714 χ²/NDF:309.4/19
Right Out: 5.244+/-1.062 χ²/NDF: 302.9/18
Left In: -0.793+/-0.786 χ²/NDF:267.8/17
+ sign 1.206+/-0.601 χ²/NDF: 594.0/35
All: 1.272+/-0.436 χ²/NDF: 1185.6/72
- sign 1.344+/-0.632 χ²/NDF: 591.6/36


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug
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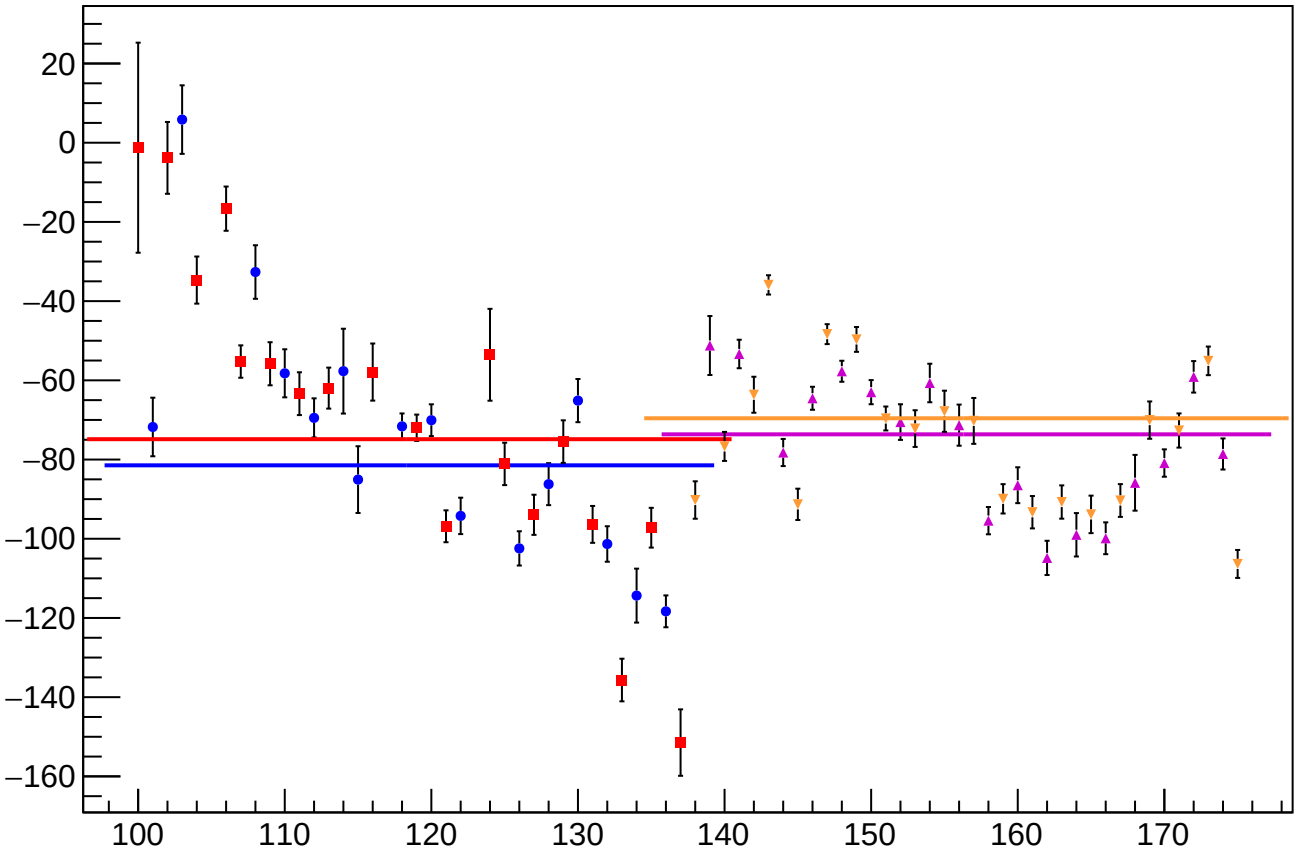
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -219.052+/-1.015 χ²/NDF:1562.7/19
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -237.302+/-1.111 χ²/NDF:341.9/17
+ sign -227.203+/-0.787 χ²/NDF: 2886.4/35
All: -227.931+/-0.564 χ²/NDF: 6406.5/72
- sign -228.698+/-0.808 χ²/NDF: 3518.4/36



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -69.577+/-0.836 χ^2/NDF:623.5/19

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

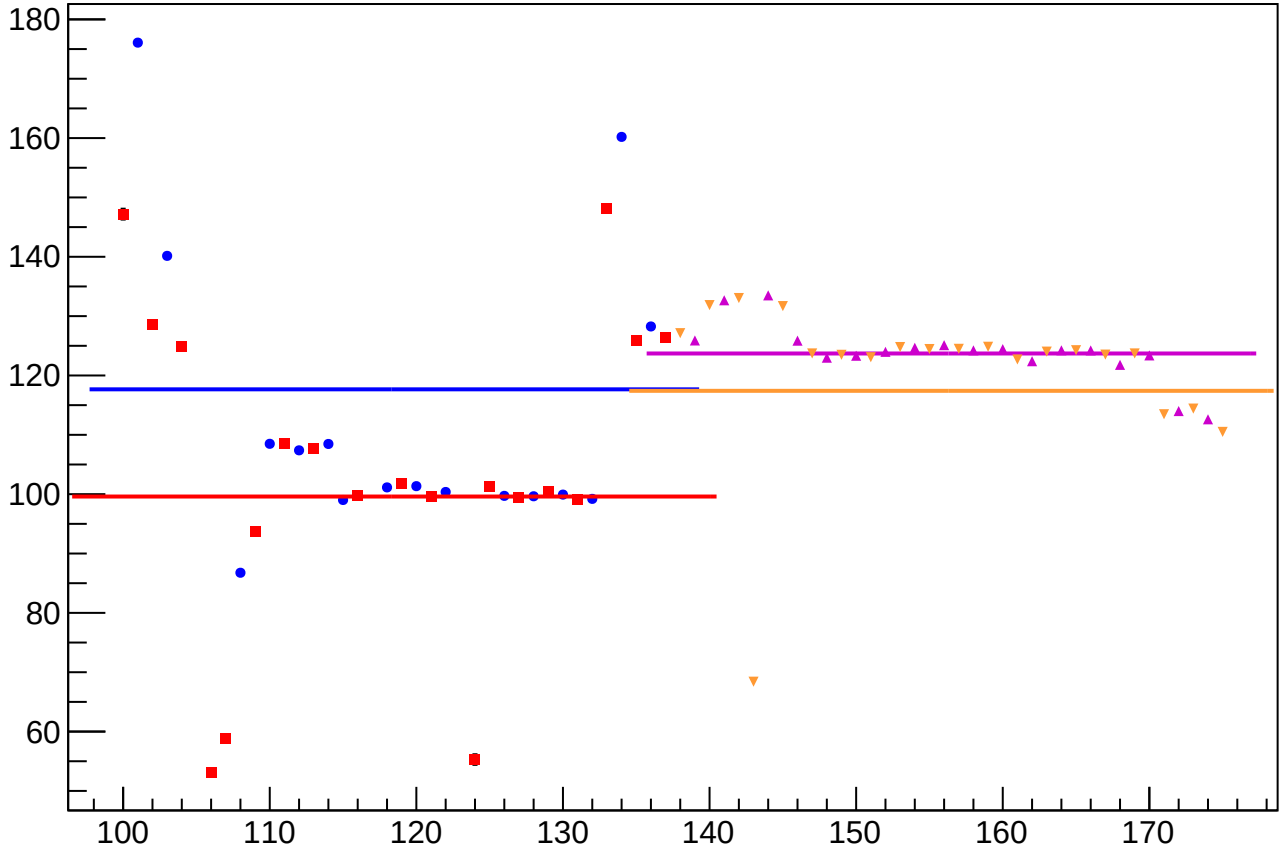
Left In: -73.633+/-0.916 χ^2/NDF:295.3/17

+ sign -73.104+/-0.701 χ^2/NDF: 1050.0/35

All: -73.565+/-0.507 χ^2/NDF: 1923.4/72

- sign -74.071+/-0.735 χ^2/NDF: 872.5/36

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.415+/-0.040 χ^2/NDF:201096.2/19

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

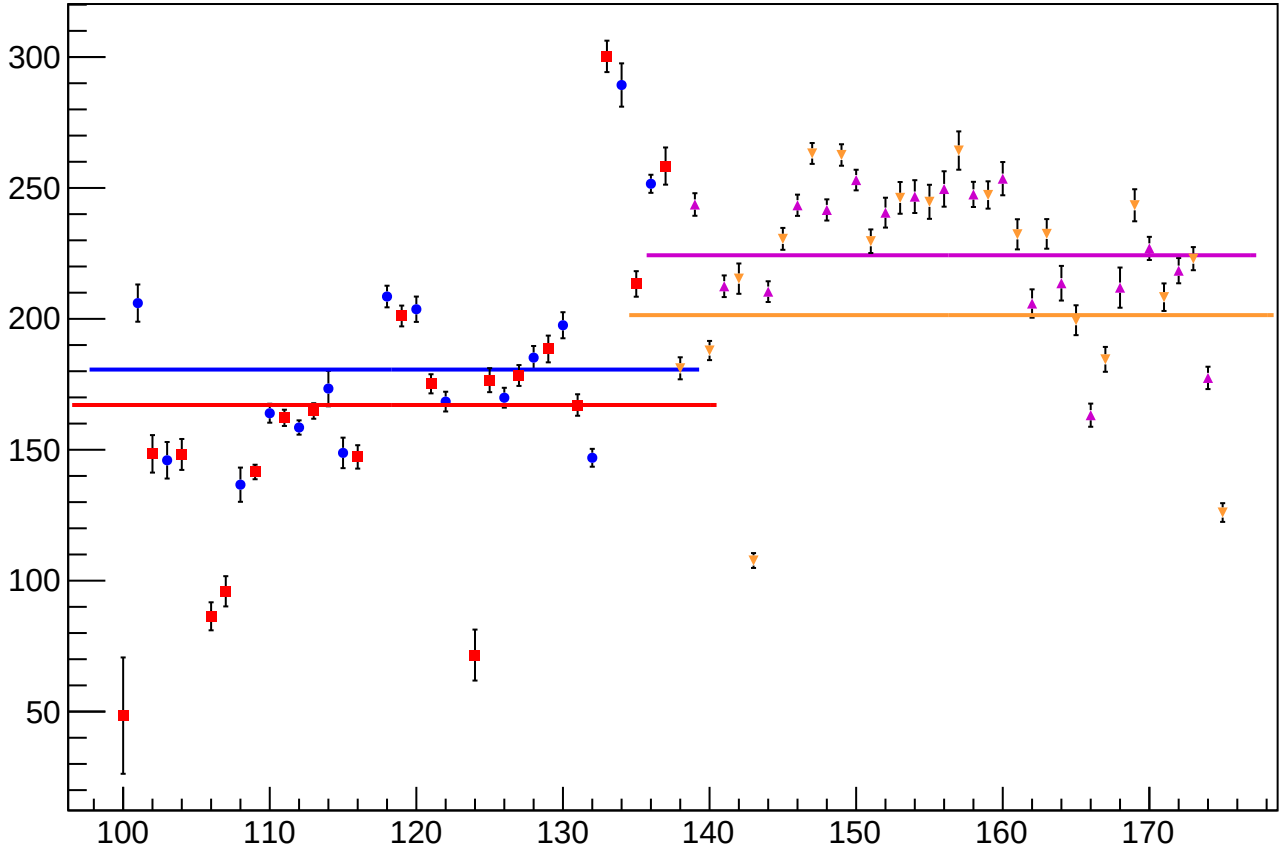
Left In: 123.706+/-0.042 χ^2/NDF:14106.8/17

+ sign 117.466+/-0.035 χ^2/NDF: 296501.6/35

All: 117.430+/-0.025 χ^2/NDF: 563589.2/72

- sign 117.392+/-0.036 χ^2/NDF: 267085.4/36

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 201.428+/-1.027 χ^2/NDF:2518.8/19

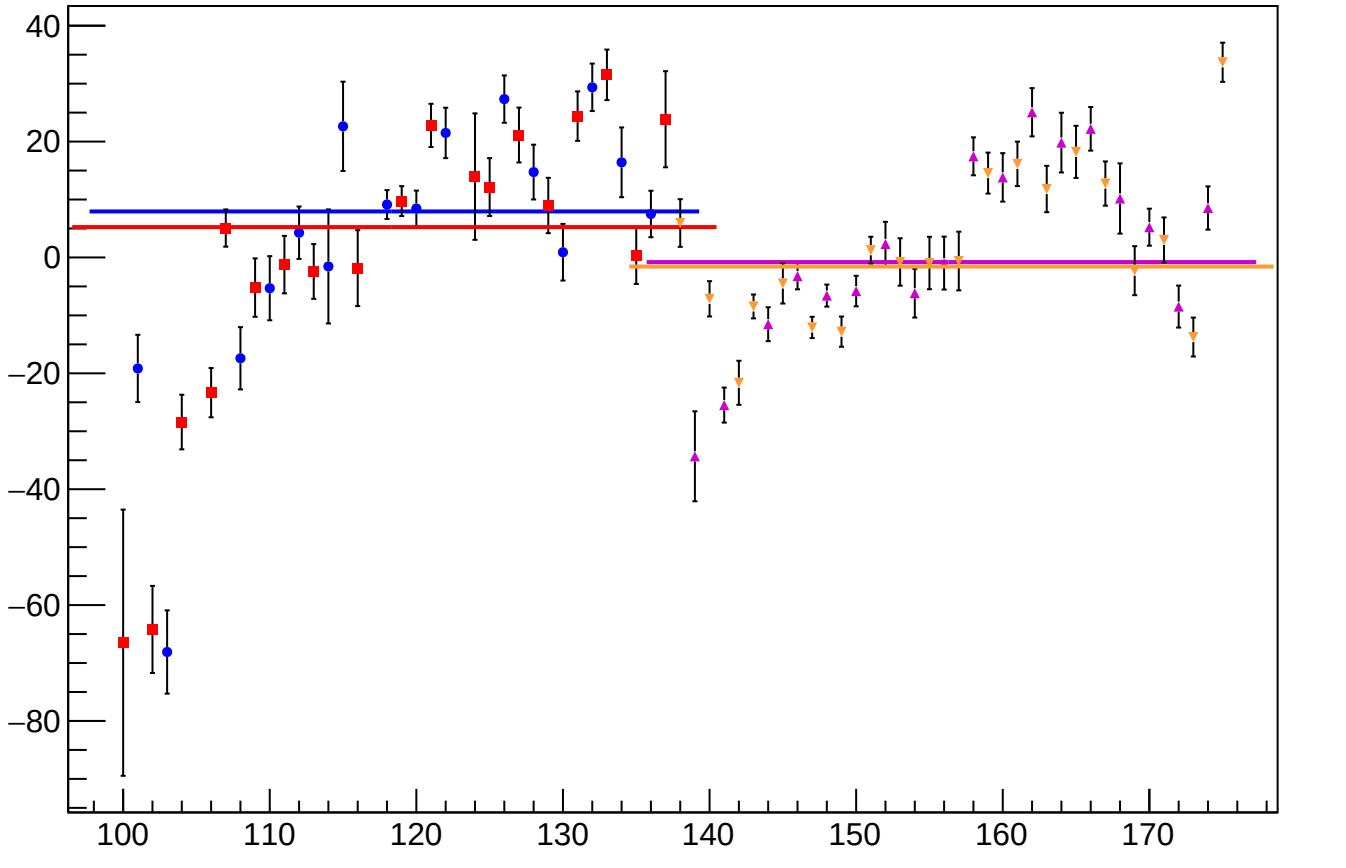
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 224.293+/-1.130 χ^2/NDF:543.8/17

+ sign 191.647+/-0.747 χ^2/NDF: 3705.1/35

All: 192.213+/-0.532 χ^2/NDF: 7144.7/72

- sign 192.795+/-0.758 χ^2/NDF: 3438.5/36


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug
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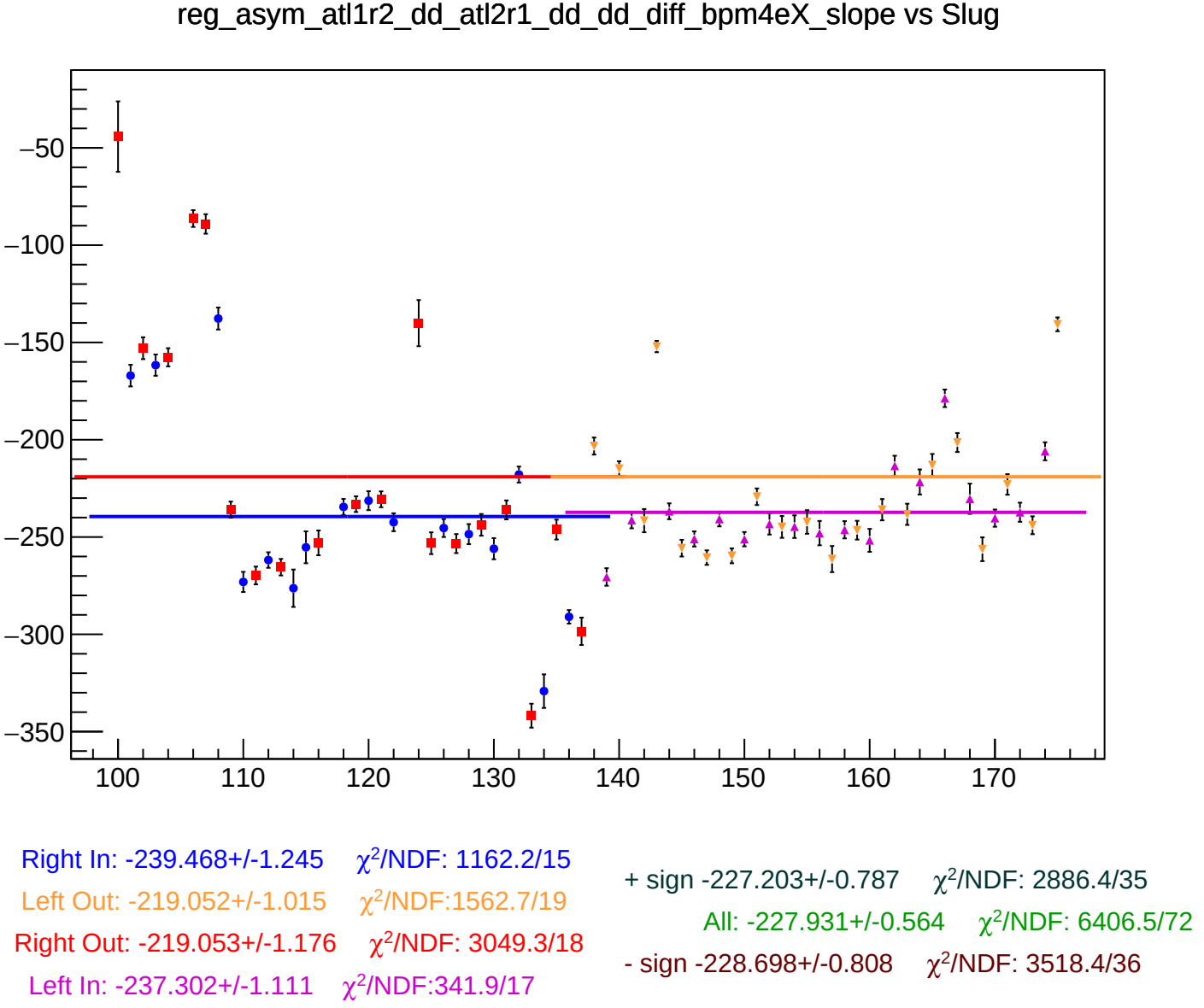
Right In: 7.942+/-1.113 χ²/NDF: 232.9/15
Left Out: -1.569+/-0.714 χ²/NDF:309.4/19
Right Out: 5.244+/-1.062 χ²/NDF: 302.9/18
Left In: -0.793+/-0.786 χ²/NDF:267.8/17
+ sign 1.206+/-0.601 χ²/NDF: 594.0/35
All: 1.272+/-0.436 χ²/NDF: 1185.6/72
- sign 1.344+/-0.632 χ²/NDF: 591.6/36


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug
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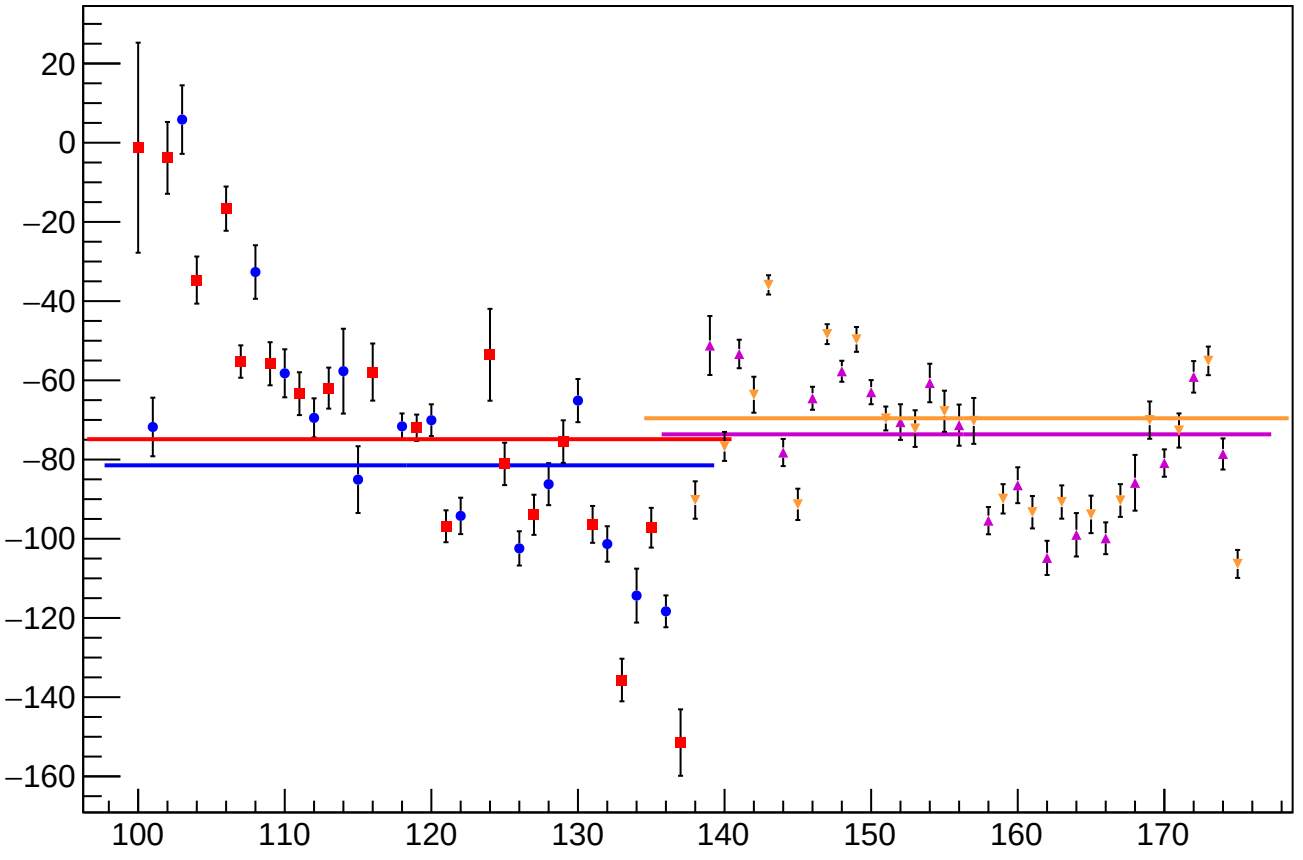
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -219.052+/-1.015 χ²/NDF:1562.7/19
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -237.302+/-1.111 χ²/NDF:341.9/17
+ sign -227.203+/-0.787 χ²/NDF: 2886.4/35
All: -227.931+/-0.564 χ²/NDF: 6406.5/72
- sign -228.698+/-0.808 χ²/NDF: 3518.4/36



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -69.577+/-0.836 χ^2/NDF:623.5/19

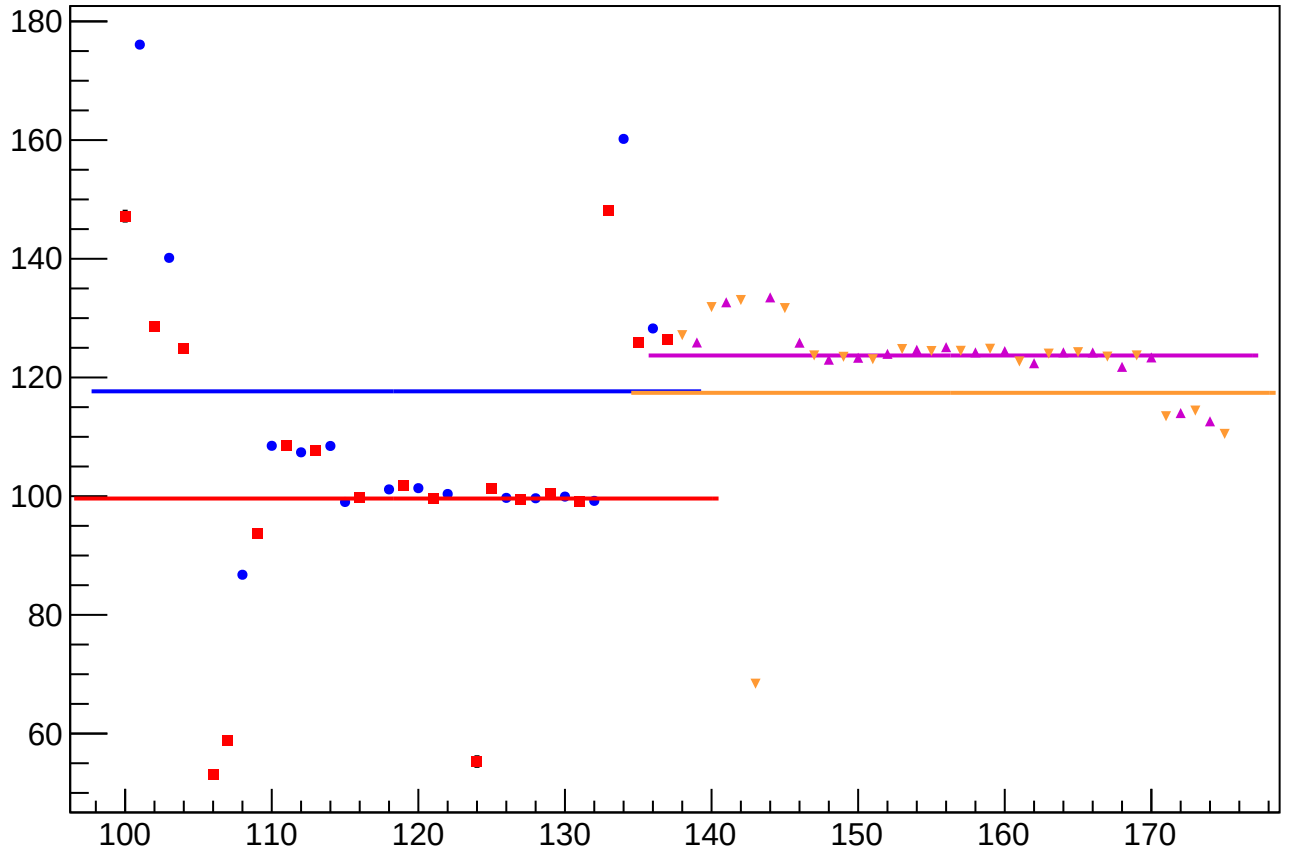
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -73.633+/-0.916 χ^2/NDF:295.3/17

+ sign -73.104+/-0.701 χ^2/NDF: 1050.0/35

All: -73.565+/-0.507 χ^2/NDF: 1923.4/72

- sign -74.071+/-0.735 χ^2/NDF: 872.5/36



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.415+/-0.040 χ^2/NDF:201096.2/19

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

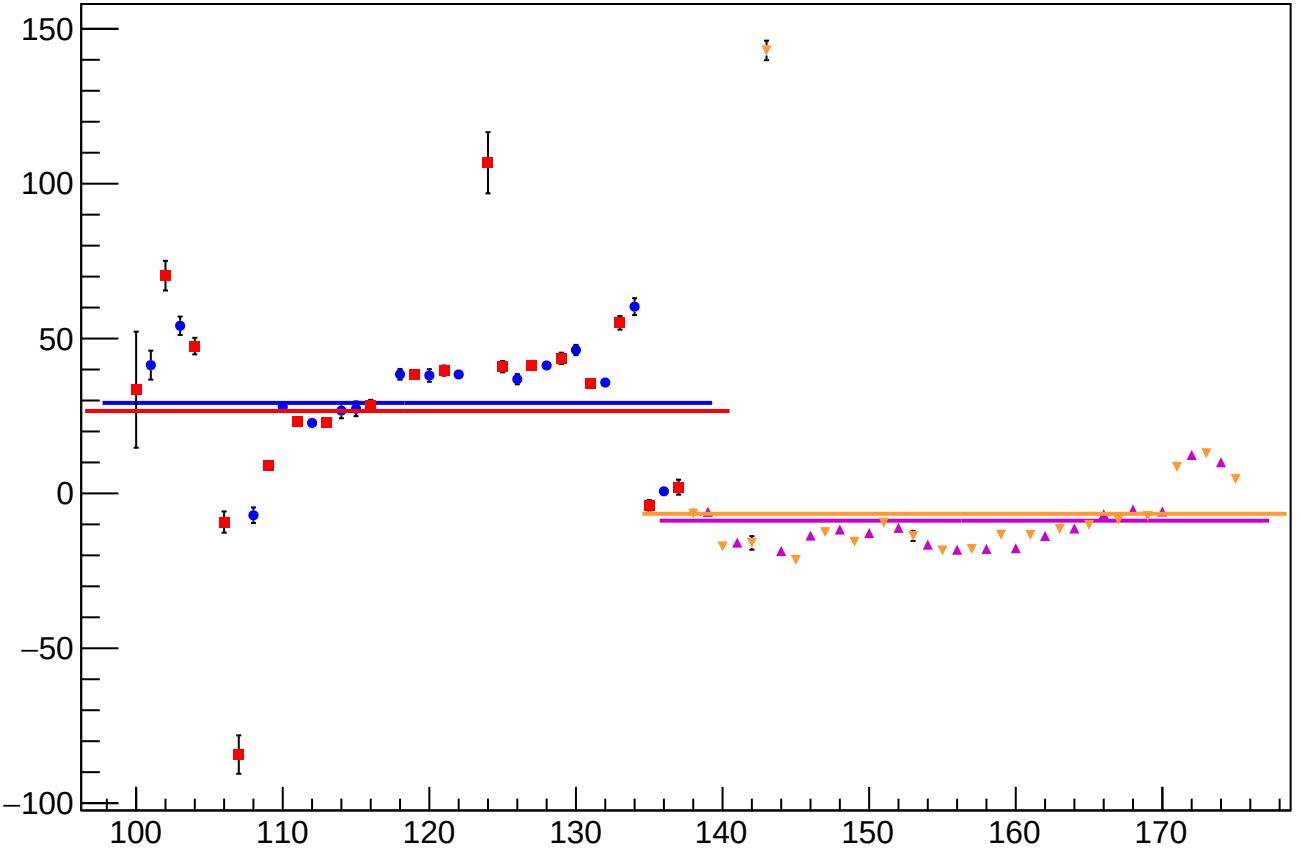
Left In: 123.706+/-0.042 χ^2/NDF:14106.8/17

+ sign 117.466+/-0.035 χ^2/NDF: 296501.6/35

All: 117.430+/-0.025 χ^2/NDF: 563589.2/72

- sign 117.392+/-0.036 χ^2/NDF: 267085.4/36

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -6.582+/-0.320 χ^2/NDF:3157.2/19

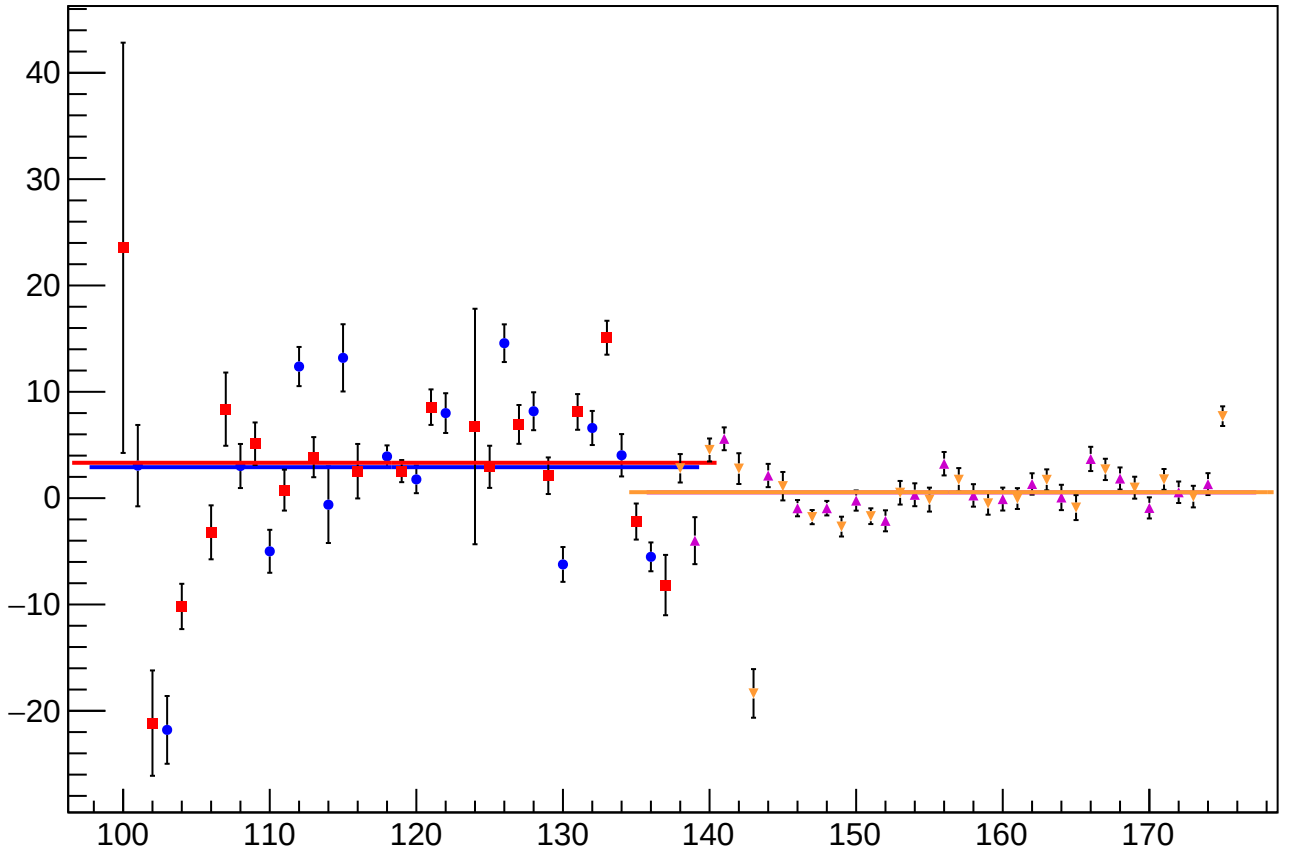
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -8.799+/-0.331 χ^2/NDF:770.2/17

+ sign 6.407+/-0.256 χ^2/NDF: 9040.3/35

All: 5.704+/-0.182 χ^2/NDF: 16211.6/72

- sign 4.986+/-0.258 χ^2/NDF: 7156.0/36



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.561+/-0.229 χ^2/NDF:193.1/19

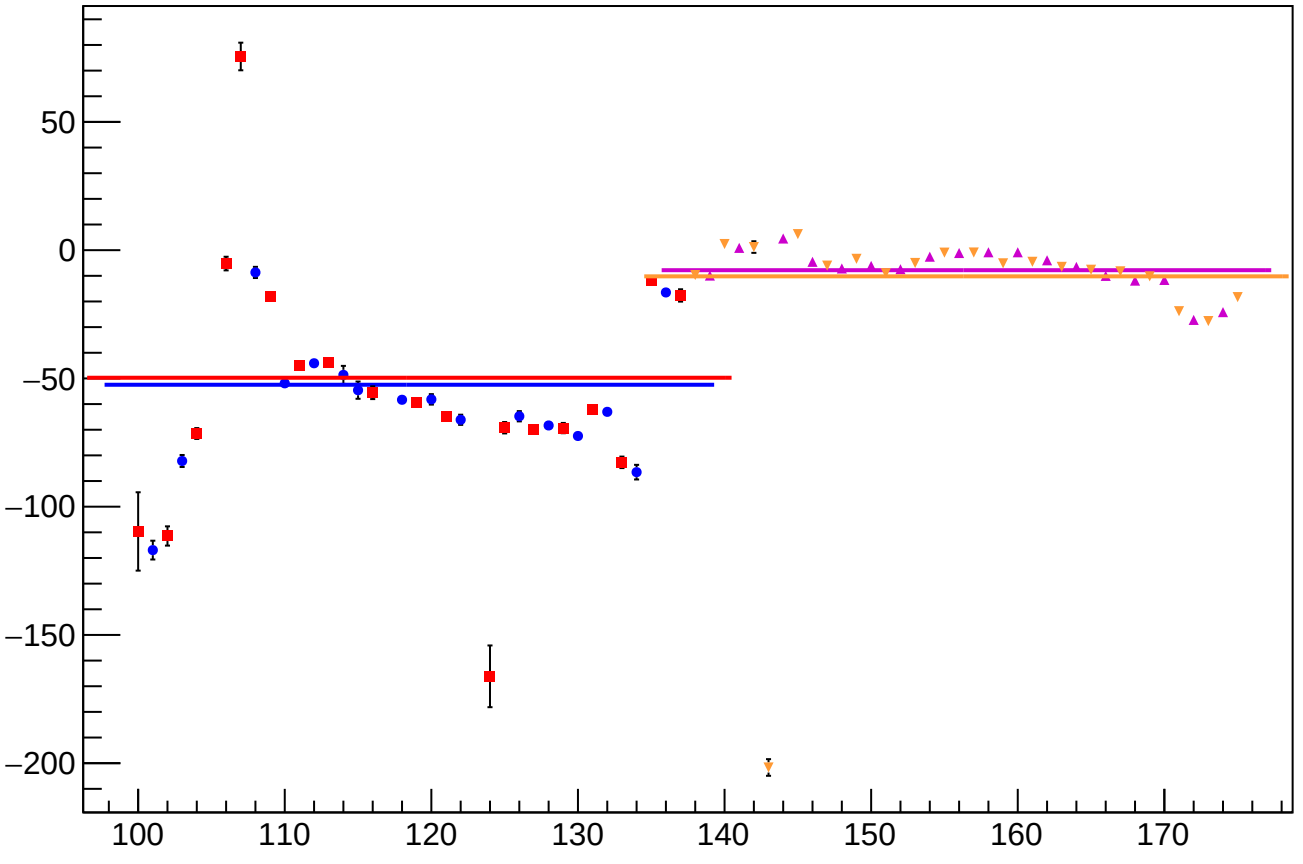
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.543+/-0.238 χ^2/NDF:63.9/17

+ sign 1.057+/-0.203 χ^2/NDF: 465.3/35

All: 1.099+/-0.146 χ^2/NDF: 740.6/72

- sign 1.144+/-0.211 χ^2/NDF: 275.2/36



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -10.204+/-0.314 χ^2/NDF:4213.8/19

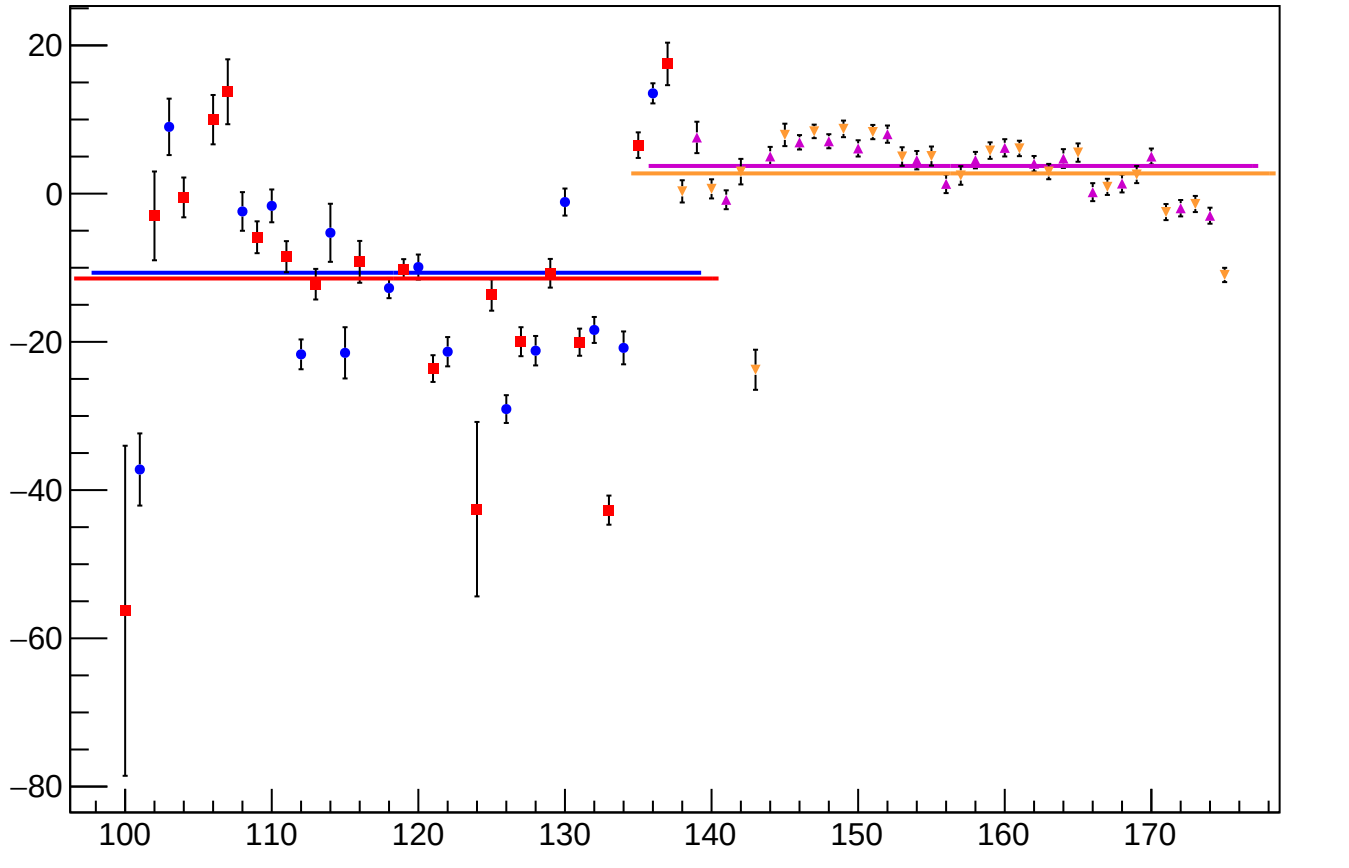
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -7.805+/-0.325 χ^2/NDF:591.1/17

+ sign -22.605+/-0.264 χ^2/NDF: 11848.4/35

All: -21.574+/-0.189 χ^2/NDF: 20505.2/72

- sign -20.485+/-0.272 χ^2/NDF: 8625.4/36



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 2.728+/-0.262 χ^2/NDF:486.8/19

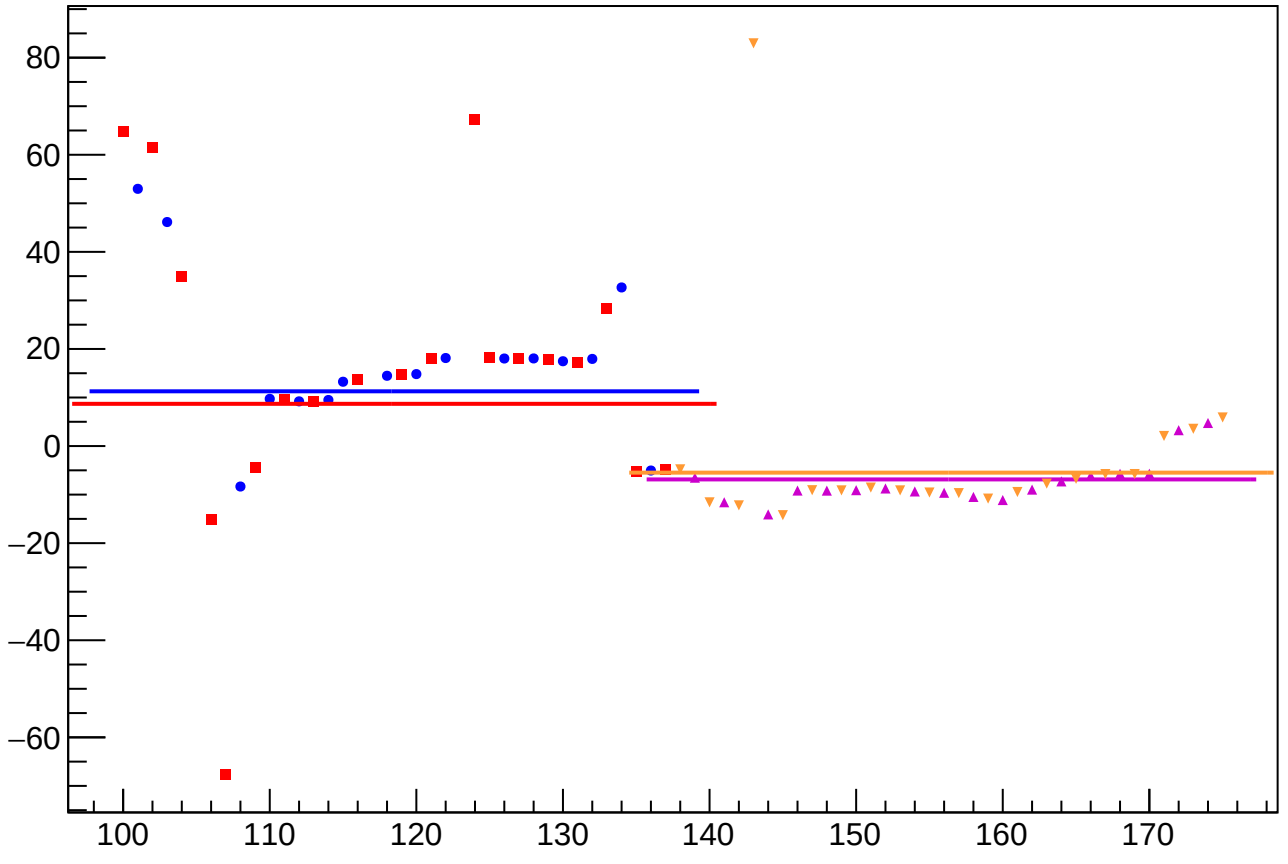
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 3.734+/-0.272 χ^2/NDF:147.2/17

+ sign -0.108+/-0.233 χ^2/NDF: 1707.5/35

All: 0.148+/-0.167 χ^2/NDF: 3200.0/72

- sign 0.424+/-0.241 χ^2/NDF: 1489.9/36



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -5.475+/-0.012 χ^2/NDF:645189.5/19

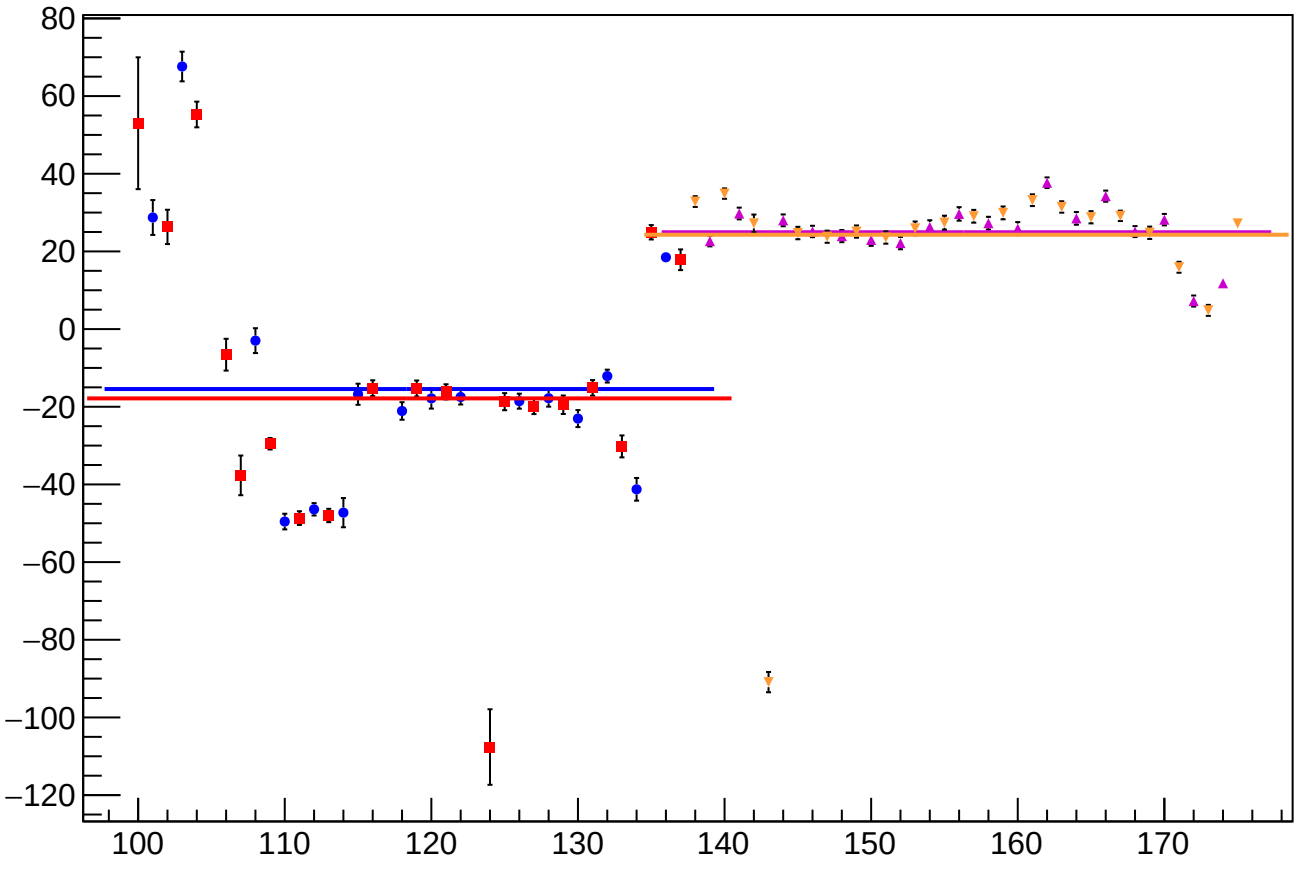
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -6.873+/-0.012 χ^2/NDF:160685.9/17

\+ sign -3.207+/-0.011 χ^2/NDF: 1265533.3/35

All: -4.040+/-0.008 χ^2/NDF: 2088428.2/72

\- sign -4.899+/-0.011 χ^2/NDF: 811279.7/36



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.293+/-0.342 χ^2/NDF:2383.3/19

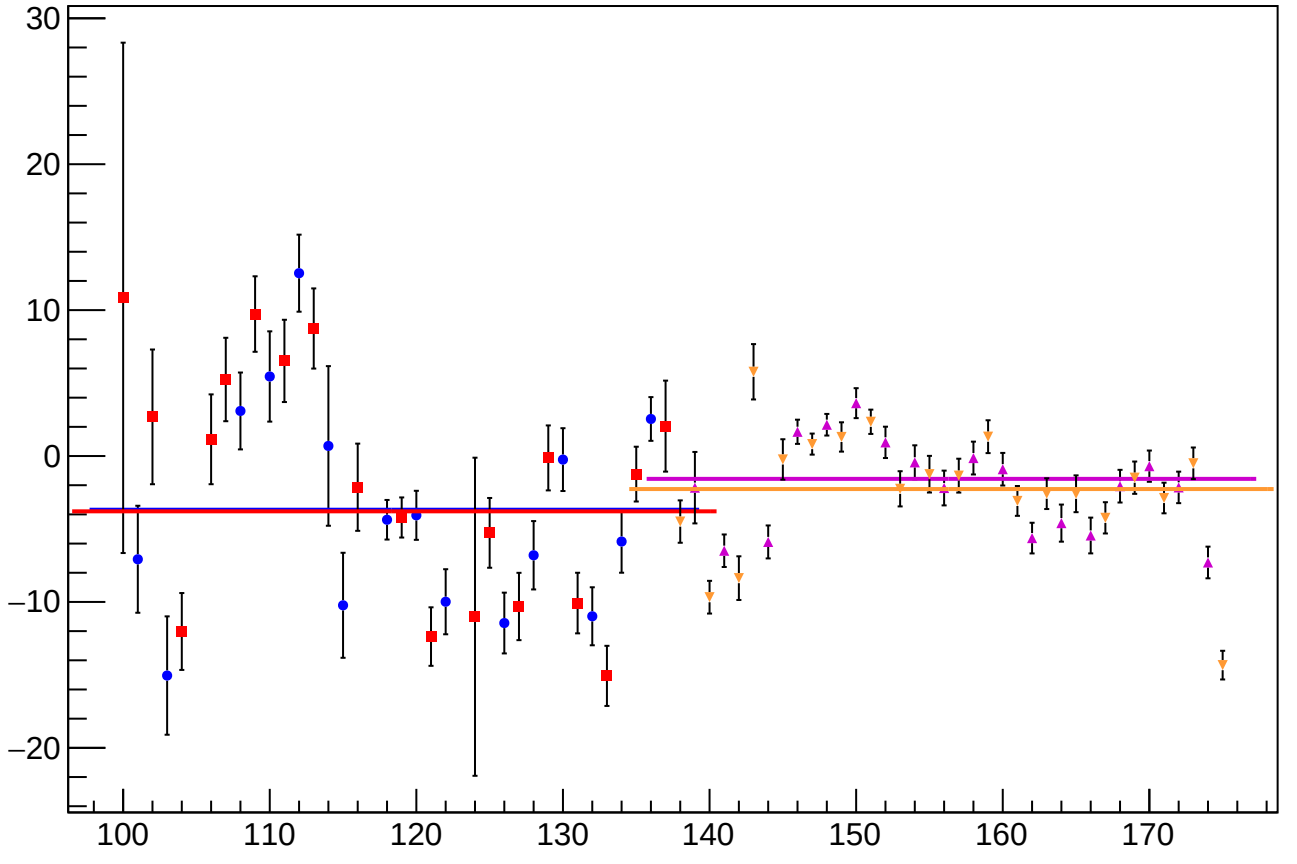
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 24.935+/-0.354 χ^2/NDF:440.2/17

+ sign 12.907+/-0.289 χ^2/NDF: 8383.3/35

All: 12.332+/-0.206 χ^2/NDF: 15468.5/72

- sign 11.734+/-0.294 χ^2/NDF: 7077.2/36



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.263+/-0.245 χ^2/NDF:314.2/19

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

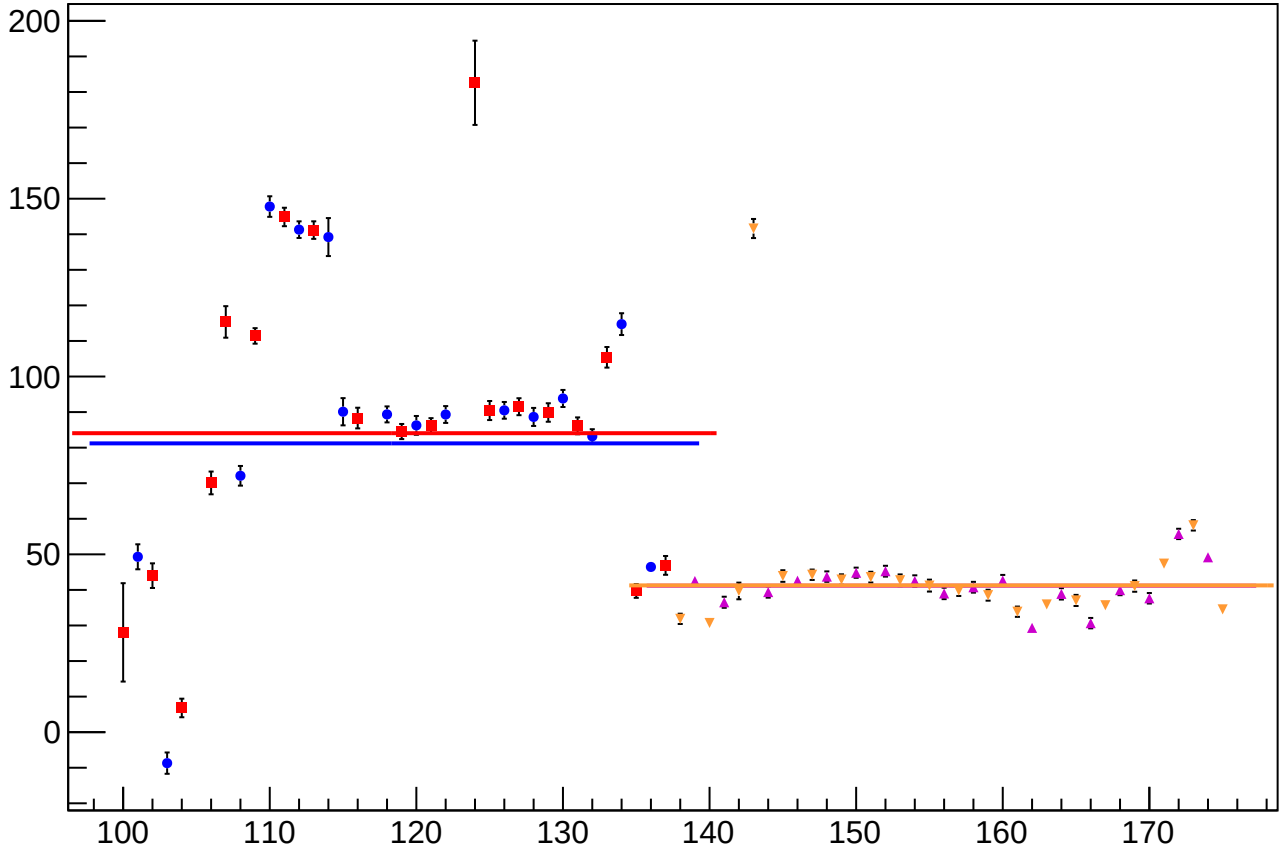
Left In: -1.565+/-0.254 χ^2/NDF:168.3/17

+ sign -2.496+/-0.224 χ^2/NDF: 443.7/35

All: -2.229+/-0.161 χ^2/NDF: 789.1/72

- sign -1.942+/-0.232 χ^2/NDF: 342.5/36

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.271+/-0.336 χ^2/NDF:1769.6/19

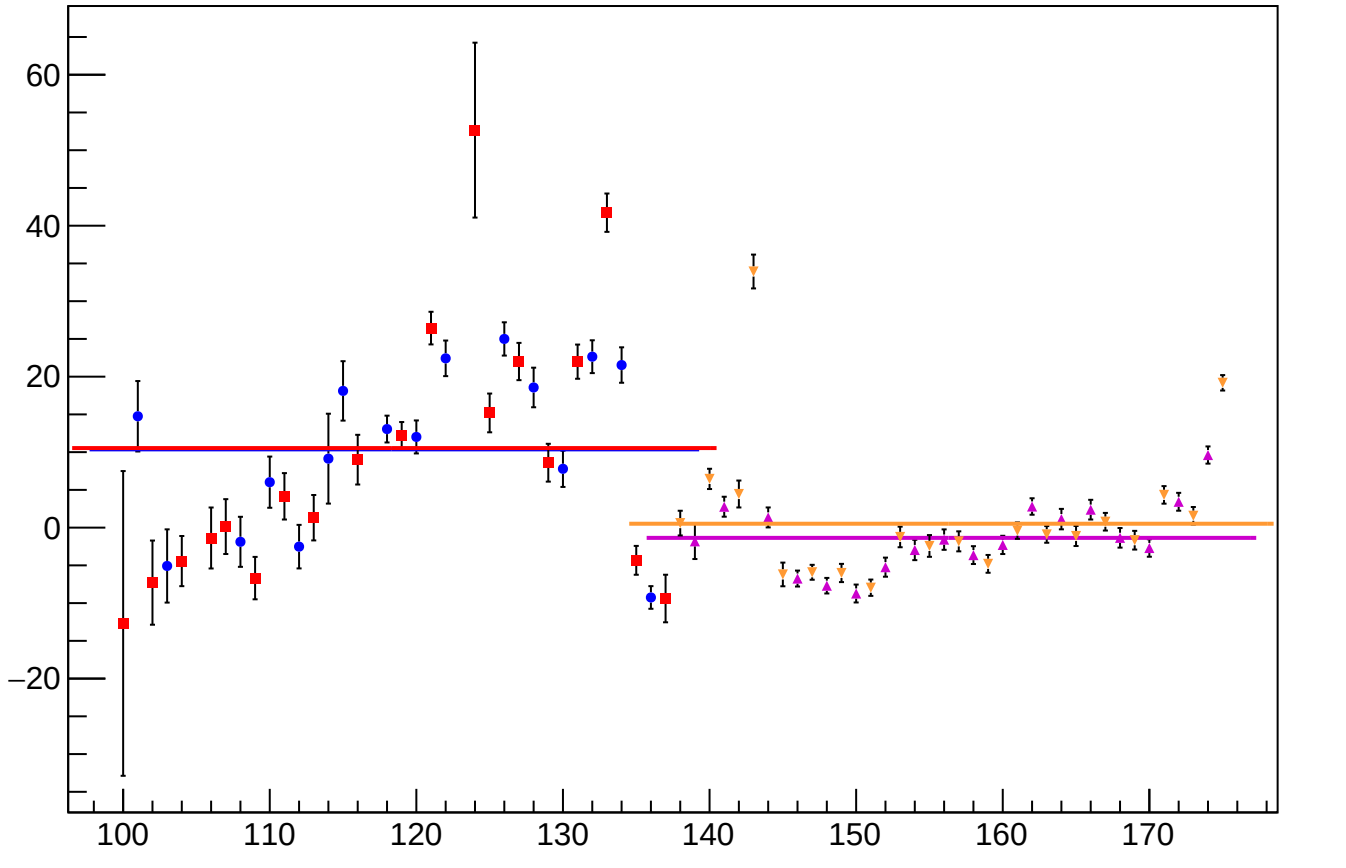
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.183+/-0.348 χ^2/NDF:310.9/17

\+ sign 50.626+/-0.294 χ^2/NDF: 8313.4/35

All: 51.078+/-0.211 χ^2/NDF: 15505.9/72

\- sign 51.559+/-0.303 χ^2/NDF: 7187.6/36


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug
60
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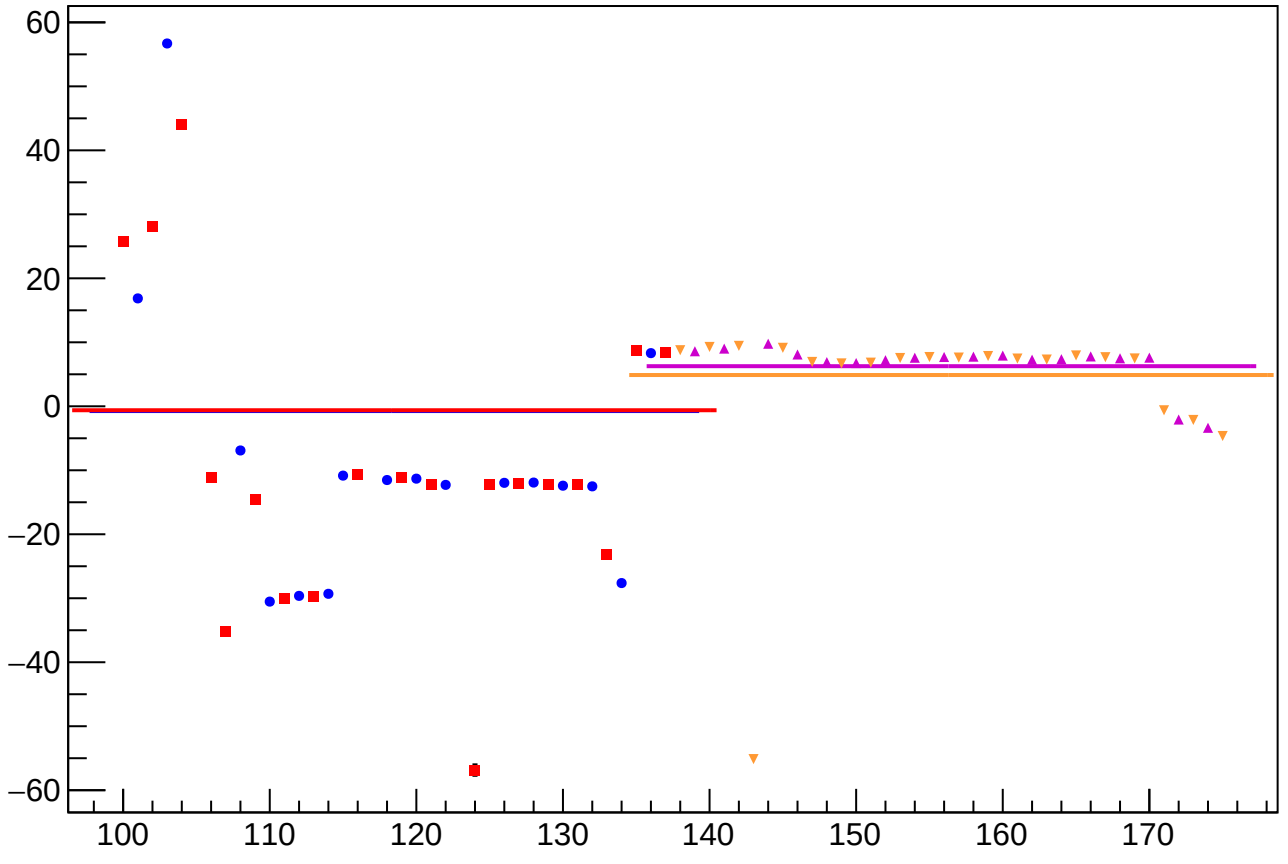
170
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: 0.516+/-0.280 χ²/NDF:778.6/19
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -1.357+/-0.291 χ²/NDF:268.3/17
+ sign 2.155+/-0.256 χ²/NDF: 1344.4/35
All: 1.445+/-0.184 χ²/NDF: 2385.5/72
- sign 0.681+/-0.265 χ²/NDF: 1025.1/36



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.886+/-0.013 χ^2/NDF:403470.8/19

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

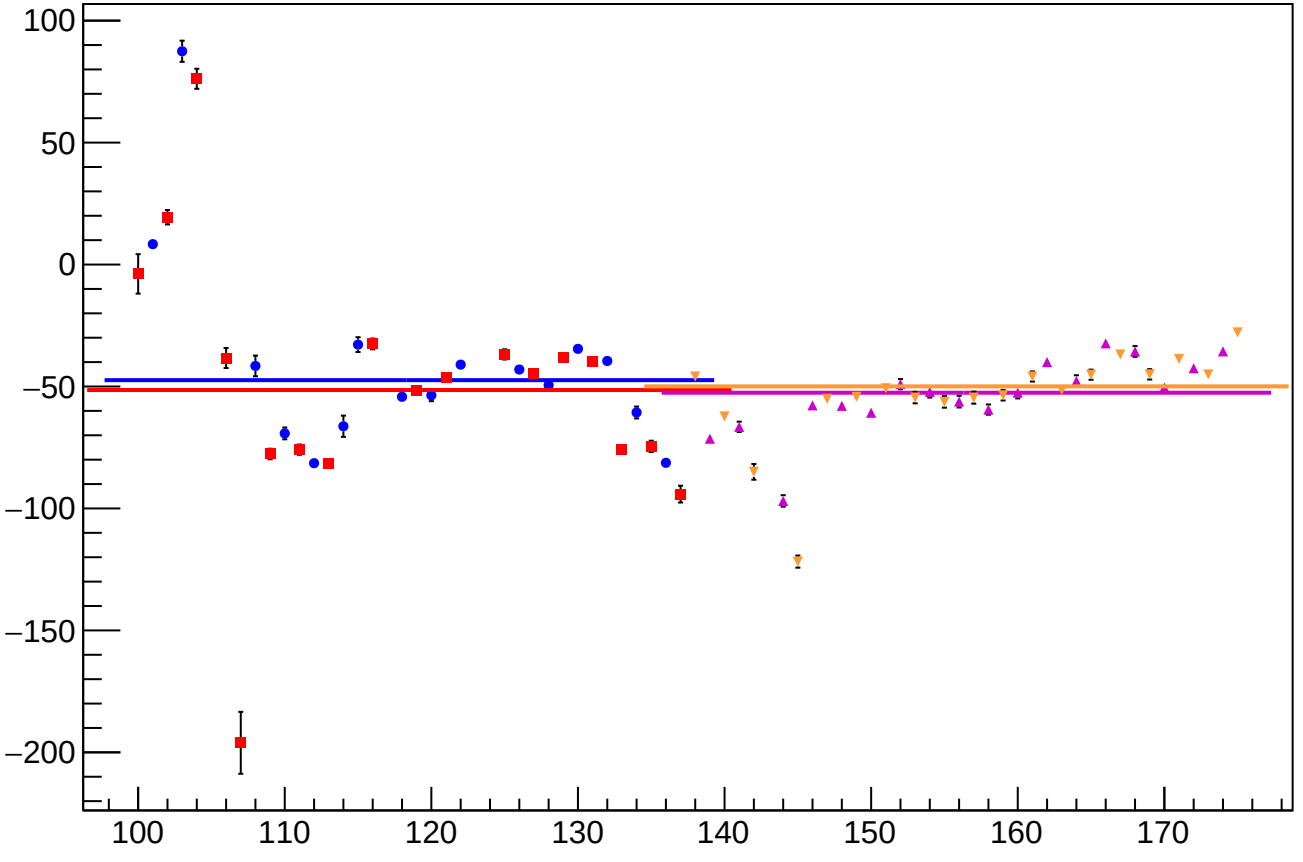
Left In: 6.268+/-0.013 χ^2/NDF:83689.2/17

+ sign 4.262+/-0.012 χ^2/NDF: 793363.8/35

All: 4.891+/-0.009 χ^2/NDF: 1229616.1/72

- sign 5.540+/-0.012 χ^2/NDF: 430610.2/36

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -49.945+/-0.457 χ^2/NDF:1401.3/18

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

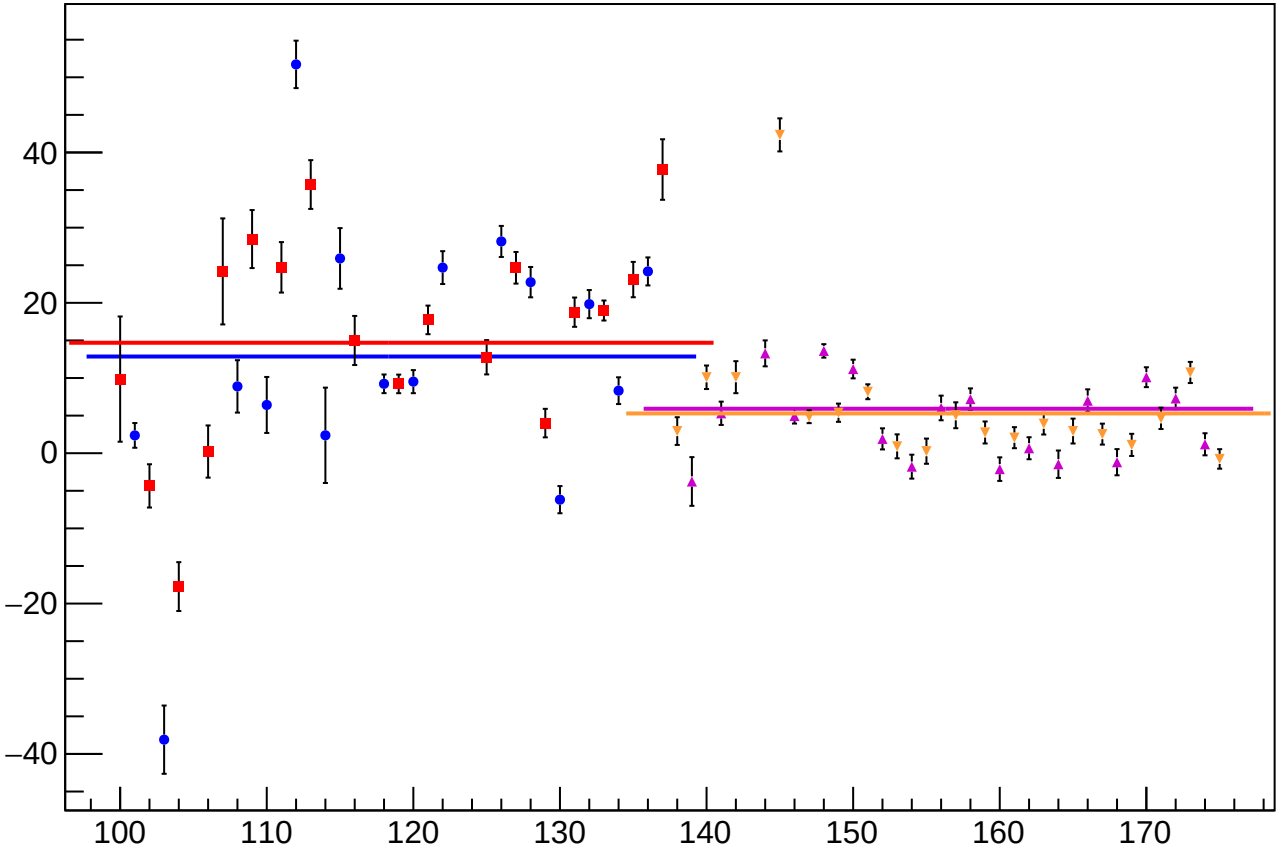
Left In: -52.550+/-0.471 χ^2/NDF:933.0/17

\+ sign -48.871+/-0.347 χ^2/NDF: 4183.4/34

All: -50.433+/-0.249 χ^2/NDF: 8033.0/70

\- sign -52.076+/-0.357 χ^2/NDF: 3808.1/35

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.288+/-0.322 χ^2/NDF:385.3/18

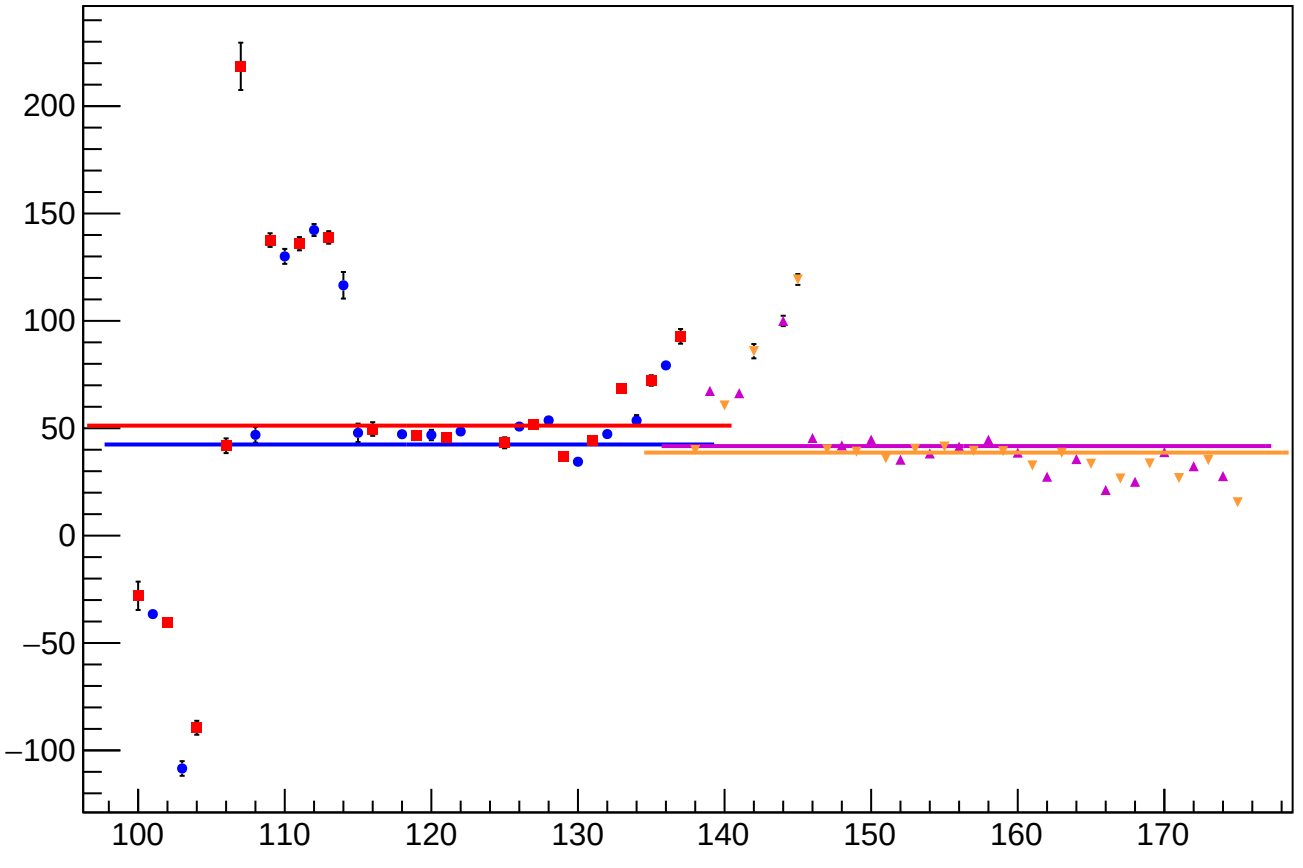
Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 5.914+/-0.334 χ^2/NDF:246.4/17

+ sign 7.394+/-0.274 χ^2/NDF: 1164.7/34

All: 7.836+/-0.197 χ^2/NDF: 1969.5/70

- sign 8.315+/-0.285 χ^2/NDF: 799.4/35



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 38.664+/-0.448 χ^2/NDF:1757.9/18

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

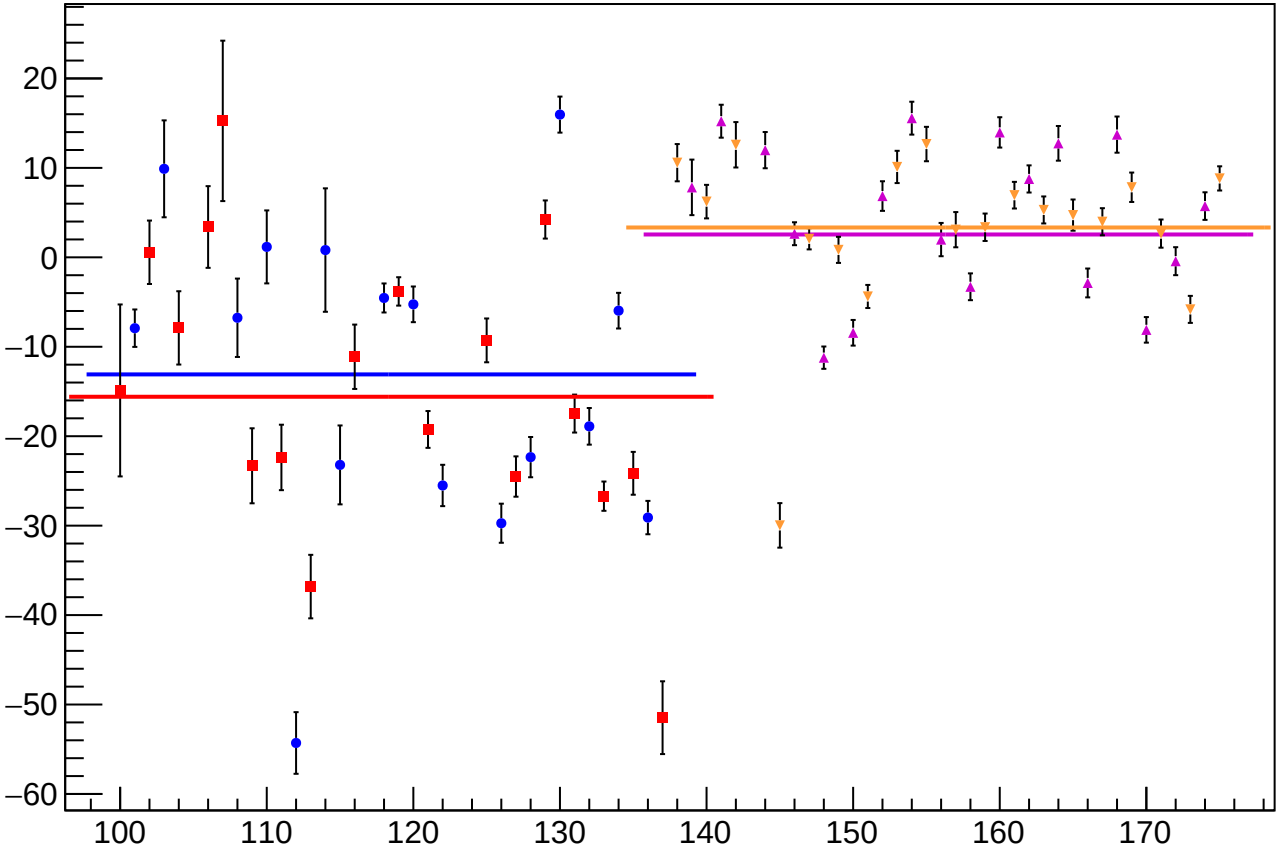
Left In: 41.701+/-0.463 χ^2/NDF:1259.9/17

+ sign 40.061+/-0.356 χ^2/NDF: 8953.0/34

All: 42.504+/-0.256 χ^2/NDF: 17075.7/70

- sign 45.146+/-0.370 χ^2/NDF: 8024.4/35

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.336+/-0.370 χ^2/NDF:353.4/18

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

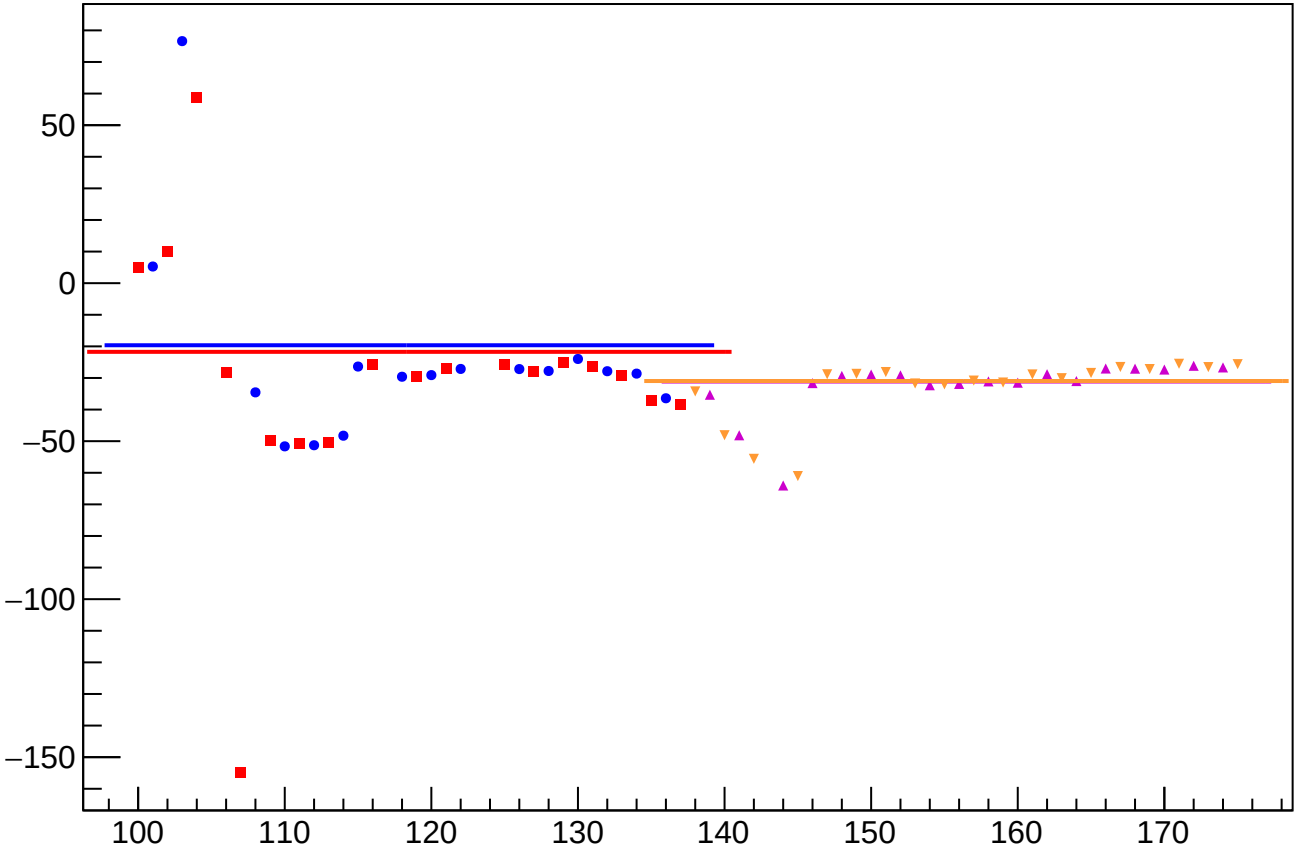
Left In: 2.555+/-0.384 χ^2/NDF:519.6/17

+ sign -1.201+/-0.315 χ^2/NDF: 1536.3/34

All: -1.778+/-0.227 χ^2/NDF: 3073.7/70

- sign -2.402+/-0.328 χ^2/NDF: 1530.4/35

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -30.967+/-0.017 χ^2/NDF:197857.5/18

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

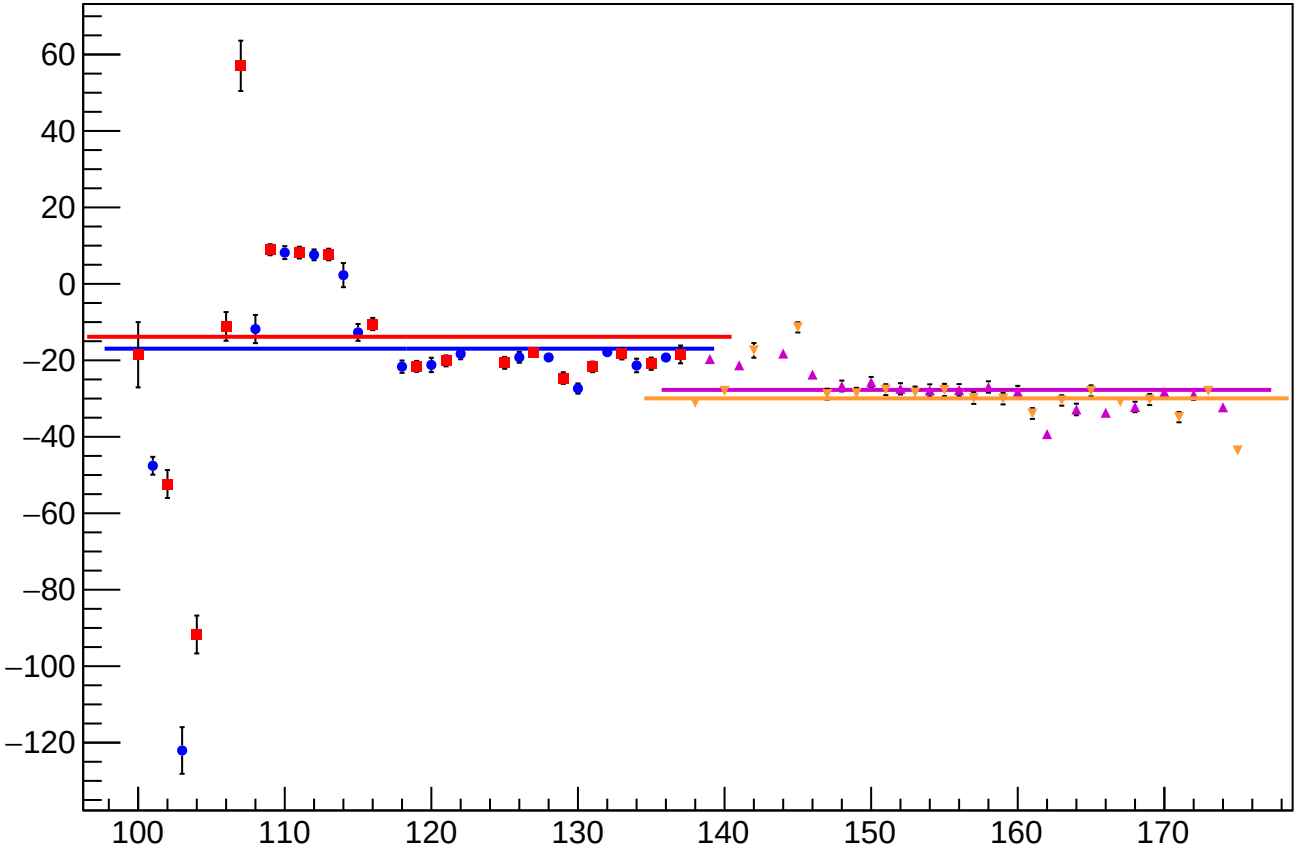
Left In: -31.127+/-0.017 χ^2/NDF:157237.2/17

+ sign -28.919+/-0.015 χ^2/NDF: 925317.5/34

All: -29.255+/-0.011 χ^2/NDF: 1679118.5/70

- sign -29.604+/-0.016 χ^2/NDF: 752826.2/35

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -29.951+/-0.312 χ^2/NDF:471.0/18

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

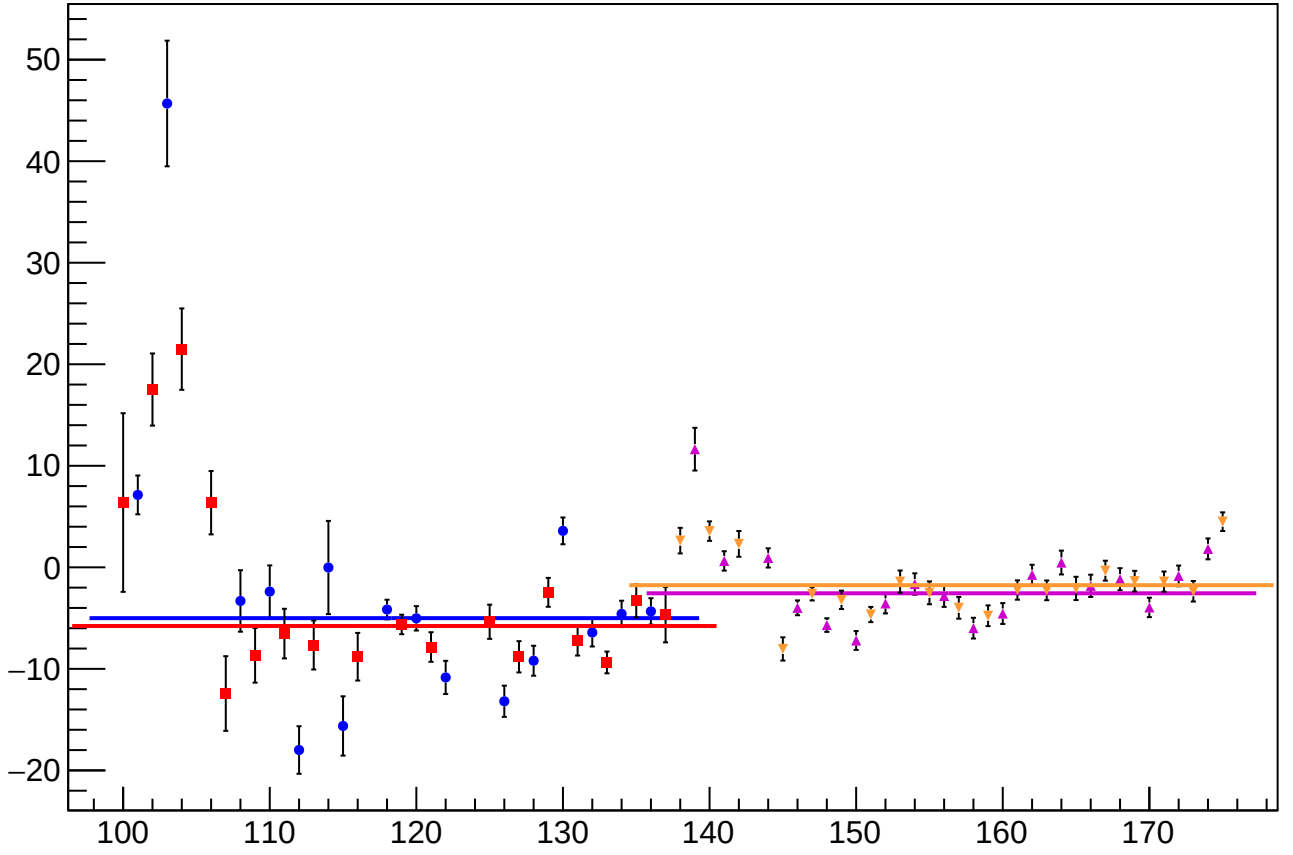
Left In: -27.728+/-0.320 χ^2/NDF:282.9/17

+ sign -25.096+/-0.247 χ^2/NDF: 2248.7/34

All: -23.805+/-0.176 χ^2/NDF: 4636.0/70

- sign -22.459+/-0.252 χ^2/NDF: 2331.3/35

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -1.761+/-0.223 χ^2/NDF:165.4/18

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

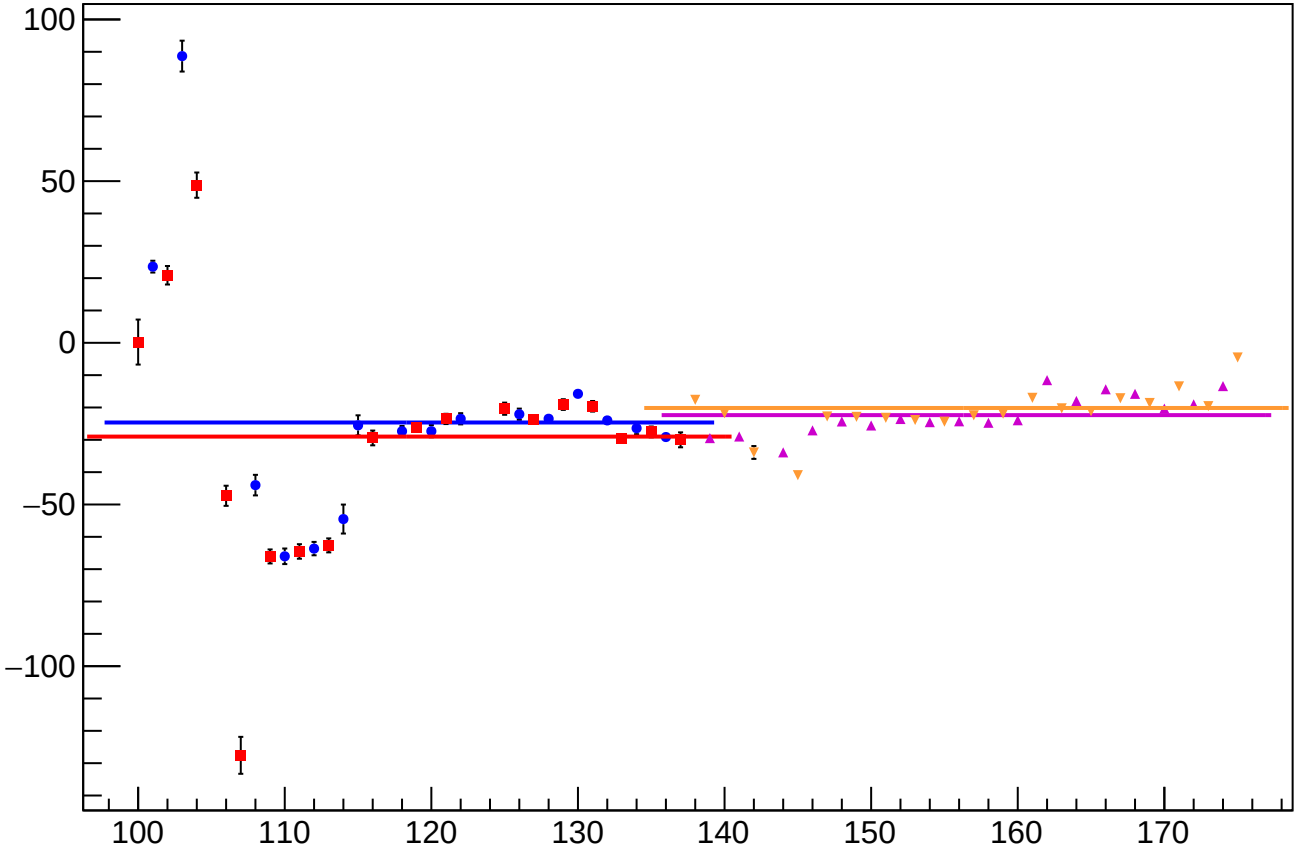
Left In: -2.558+/-0.230 χ^2/NDF:173.1/17

\+ sign -2.529+/-0.195 χ^2/NDF: 463.1/34

All: -2.903+/-0.140 χ^2/NDF: 828.5/70

\- sign -3.304+/-0.202 χ^2/NDF: 357.8/35

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -20.151+/-0.306 χ^2/NDF:618.5/18

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

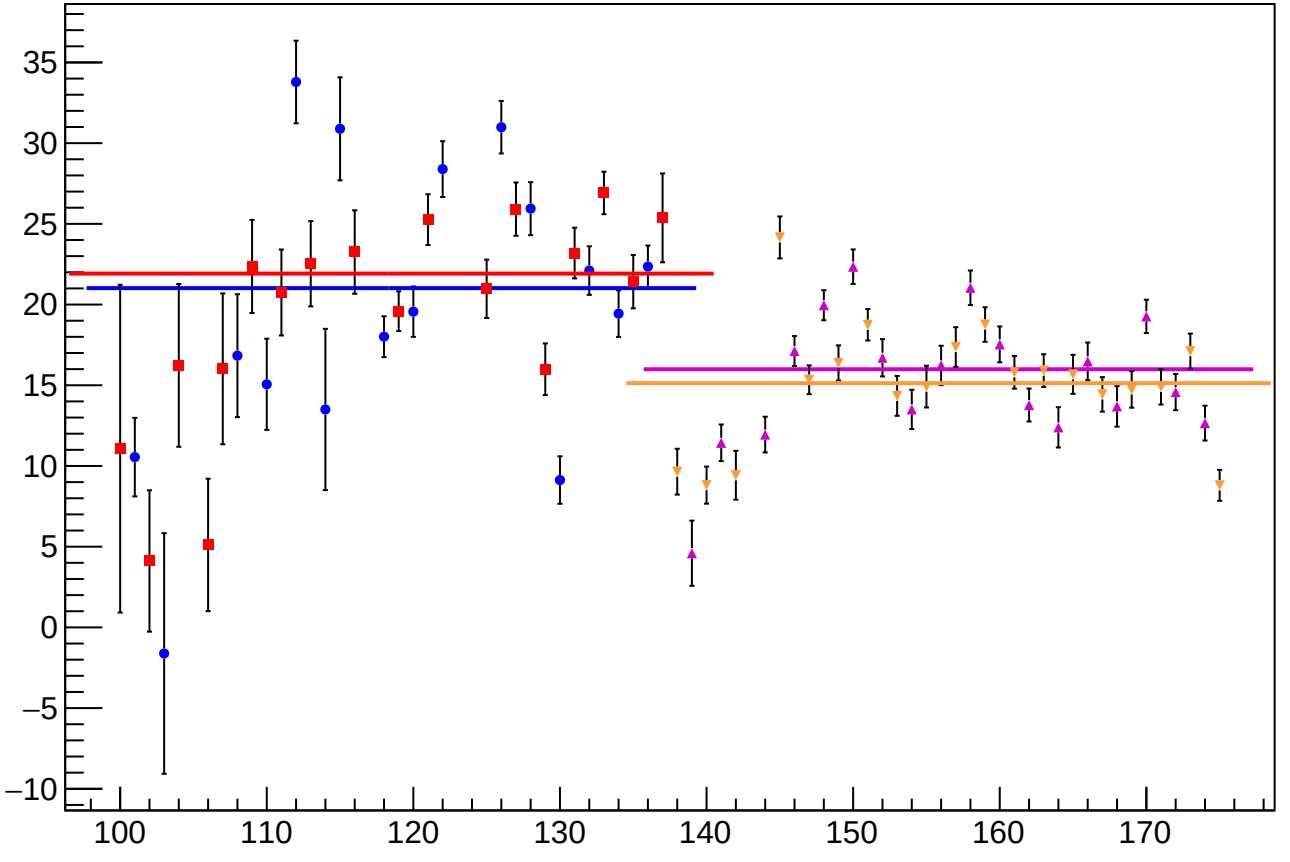
Left In: -22.361+/-0.315 χ^2/NDF:372.7/17

+ sign -21.552+/-0.254 χ^2/NDF: 2737.4/34

All: -22.924+/-0.183 χ^2/NDF: 5258.3/70

- sign -24.387+/-0.262 χ^2/NDF: 2460.7/35

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.129+/-0.256 χ^2/NDF:187.1/18

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

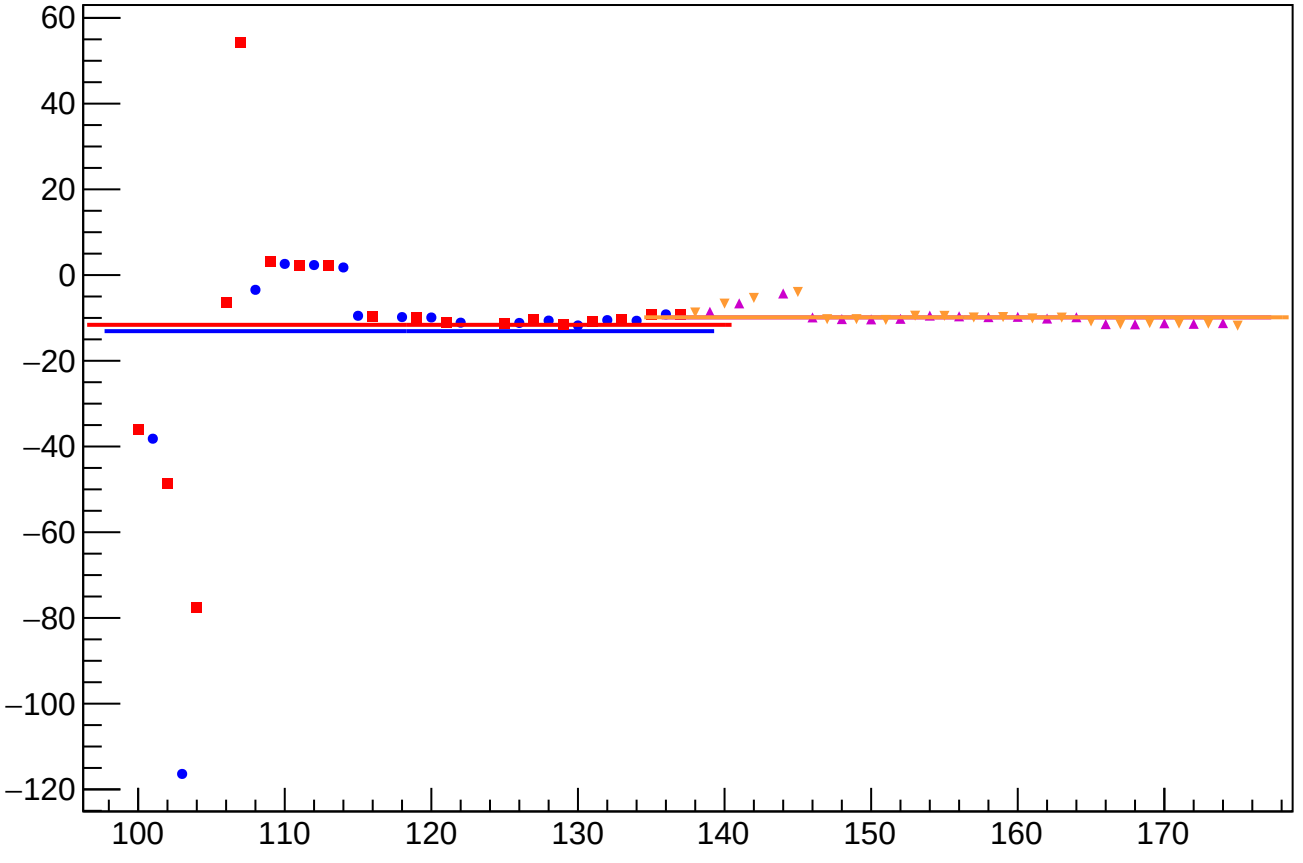
Left In: 15.991+/-0.264 χ^2/NDF:182.7/17

+ sign 16.529+/-0.223 χ^2/NDF: 522.6/34

All: 16.937+/-0.161 χ^2/NDF: 912.4/70

- sign 17.373+/-0.231 χ^2/NDF: 382.9/35

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.854+/-0.012 χ^2/NDF:26067.6/18

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

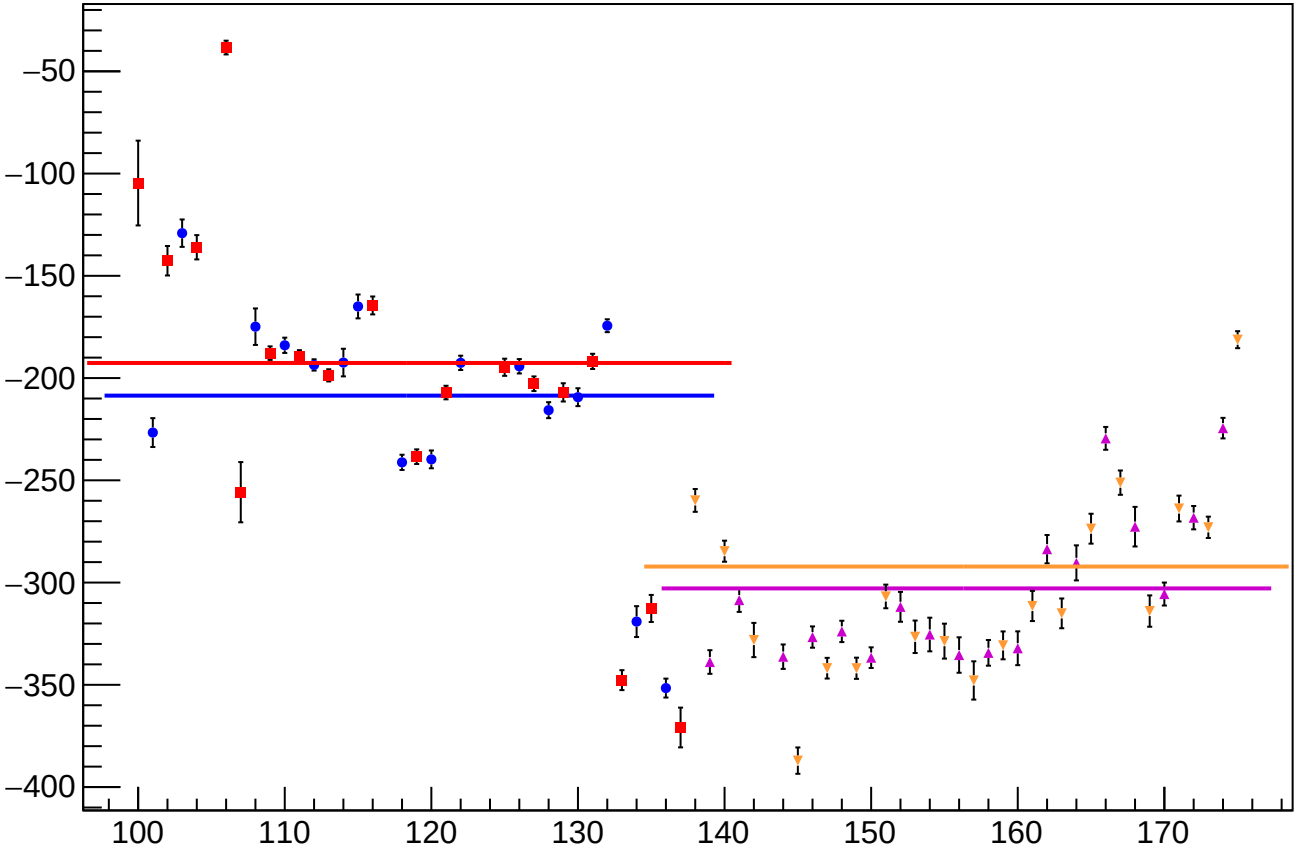
Left In: -9.880+/-0.012 χ^2/NDF:18722.0/17

+ sign -10.314+/-0.011 χ^2/NDF: 382111.4/34

All: -10.206+/-0.008 χ^2/NDF: 717967.7/70

- sign -10.095+/-0.011 χ^2/NDF: 335651.7/35

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -292.166+/-1.417 χ^2/NDF:1398.1/18

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

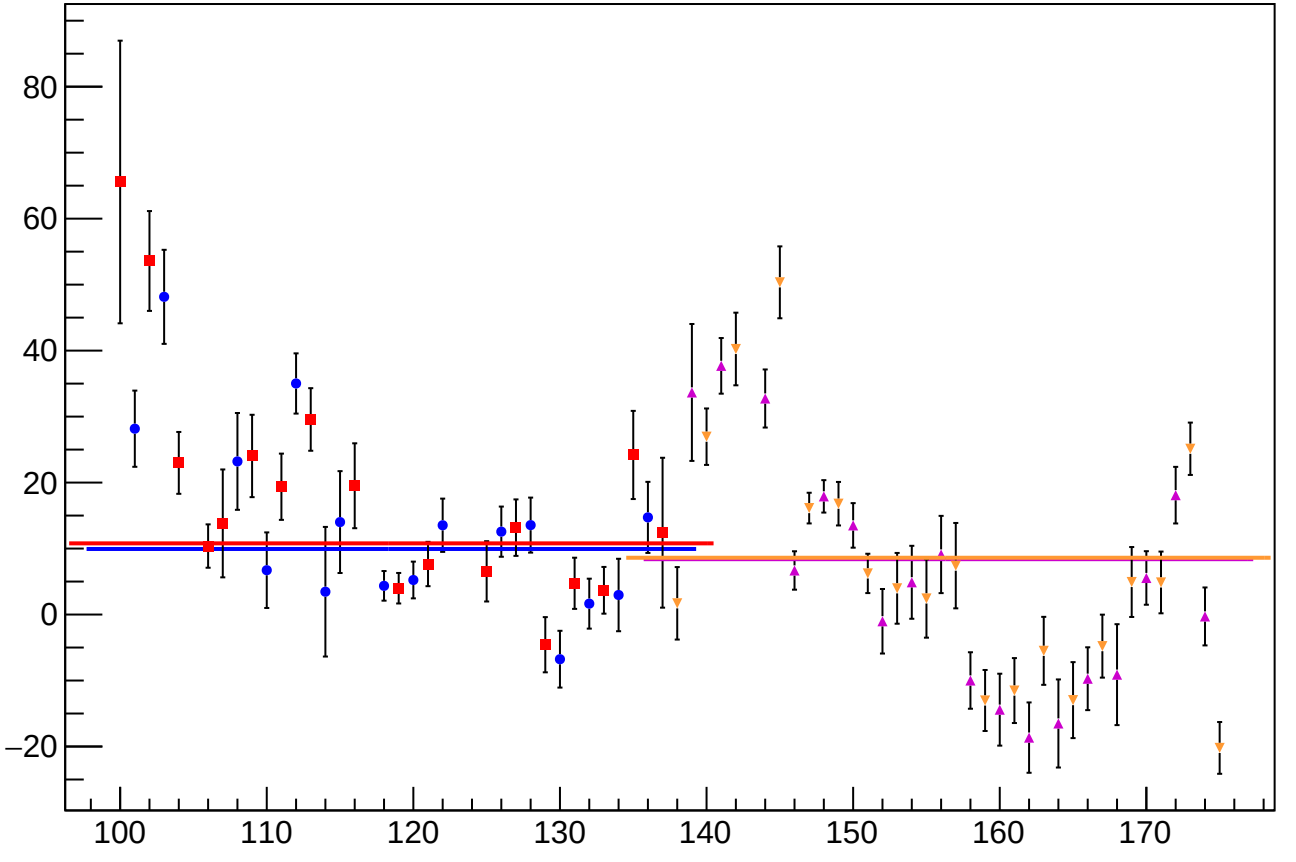
Left In: -302.862+/-1.463 χ^2/NDF:686.5/17

+ sign -238.808+/-0.852 χ^2/NDF: 5369.9/34

All: -233.049+/-0.593 χ^2/NDF: 14223.2/70

- sign -227.652+/-0.825 χ^2/NDF: 8764.8/35

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 8.609+/-0.980 χ^2/NDF:271.3/18

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

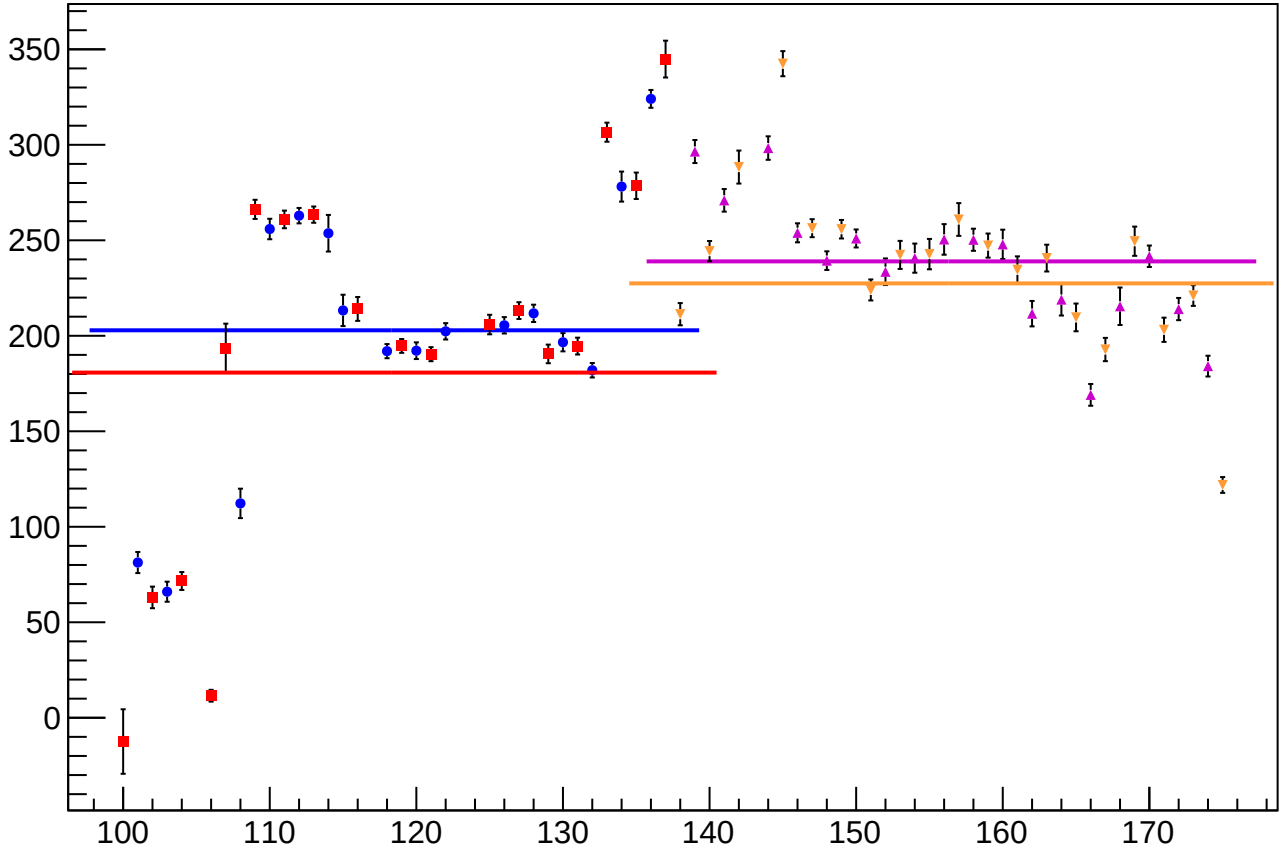
Left In: 8.391+/-1.017 χ^2/NDF:211.4/17

\+ sign 9.218+/-0.721 χ^2/NDF: 378.7/34

All: 9.387+/-0.513 χ^2/NDF: 698.1/70

\- sign 9.559+/-0.728 χ^2/NDF: 319.2/35

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 227.439+/-1.392 χ^2/NDF:1197.3/18

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

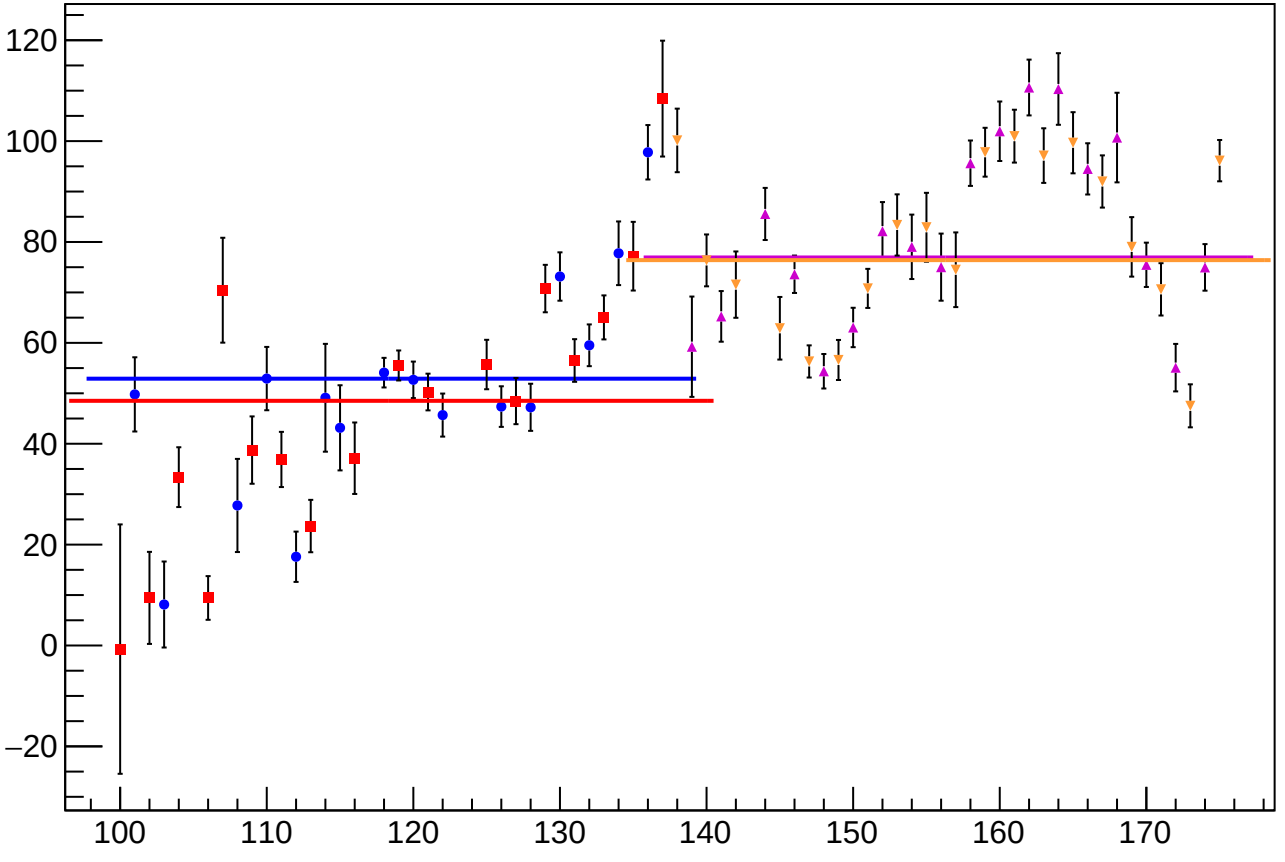
Left In: 238.960+/-1.439 χ^2/NDF:535.8/17

+ sign 213.603+/-0.920 χ^2/NDF: 3836.9/34

All: 208.300+/-0.642 χ^2/NDF: 11789.1/70

- sign 203.277+/-0.895 χ^2/NDF: 7887.4/35

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 76.401+/-1.143 χ^2/NDF:238.9/18

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

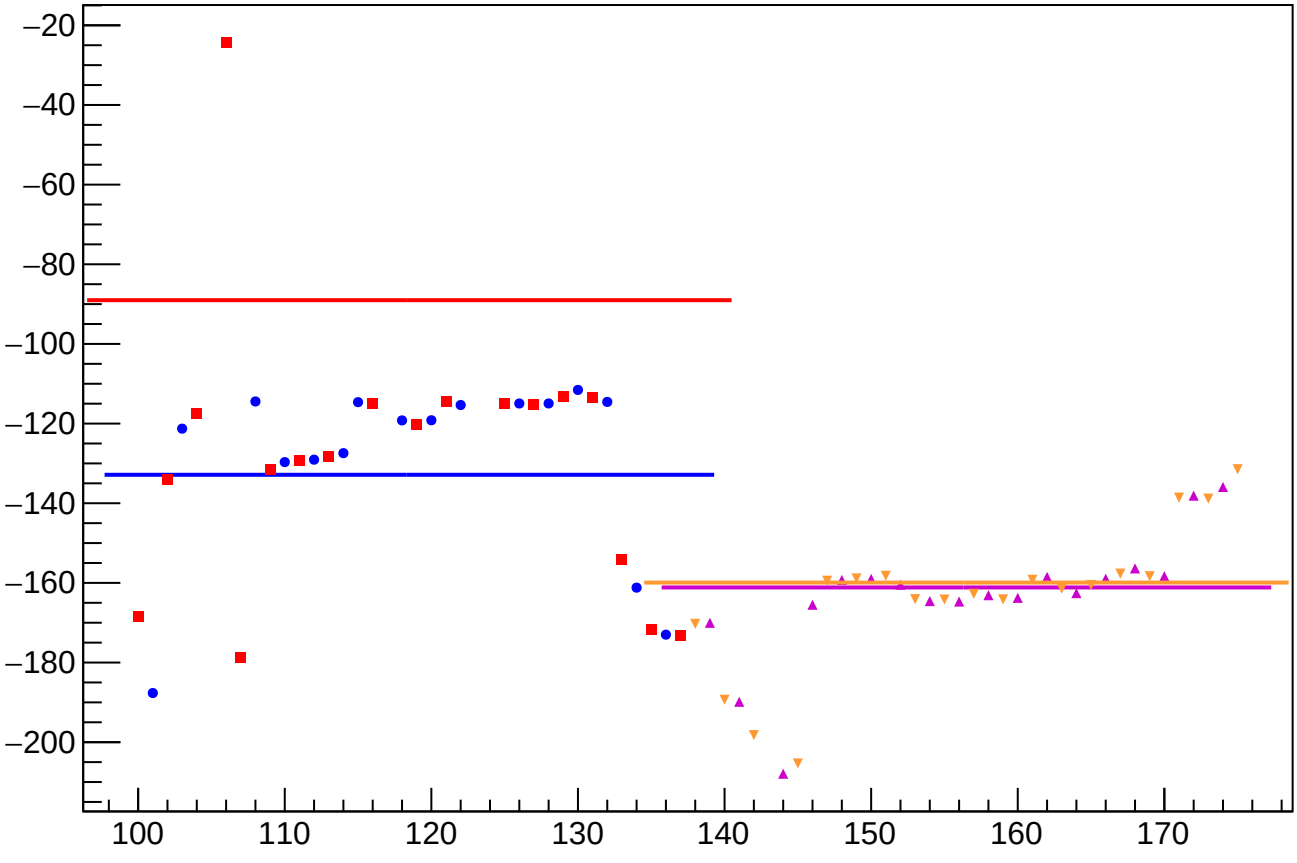
Left In: 76.929+/-1.183 χ^2/NDF:204.8/17

+ sign 65.620+/-0.841 χ^2/NDF: 631.2/34

All: 64.363+/-0.597 χ^2/NDF: 1361.4/70

- sign 63.087+/-0.847 χ^2/NDF: 725.7/35

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -159.917+/-0.054 χ^2/NDF:105046.3/18

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

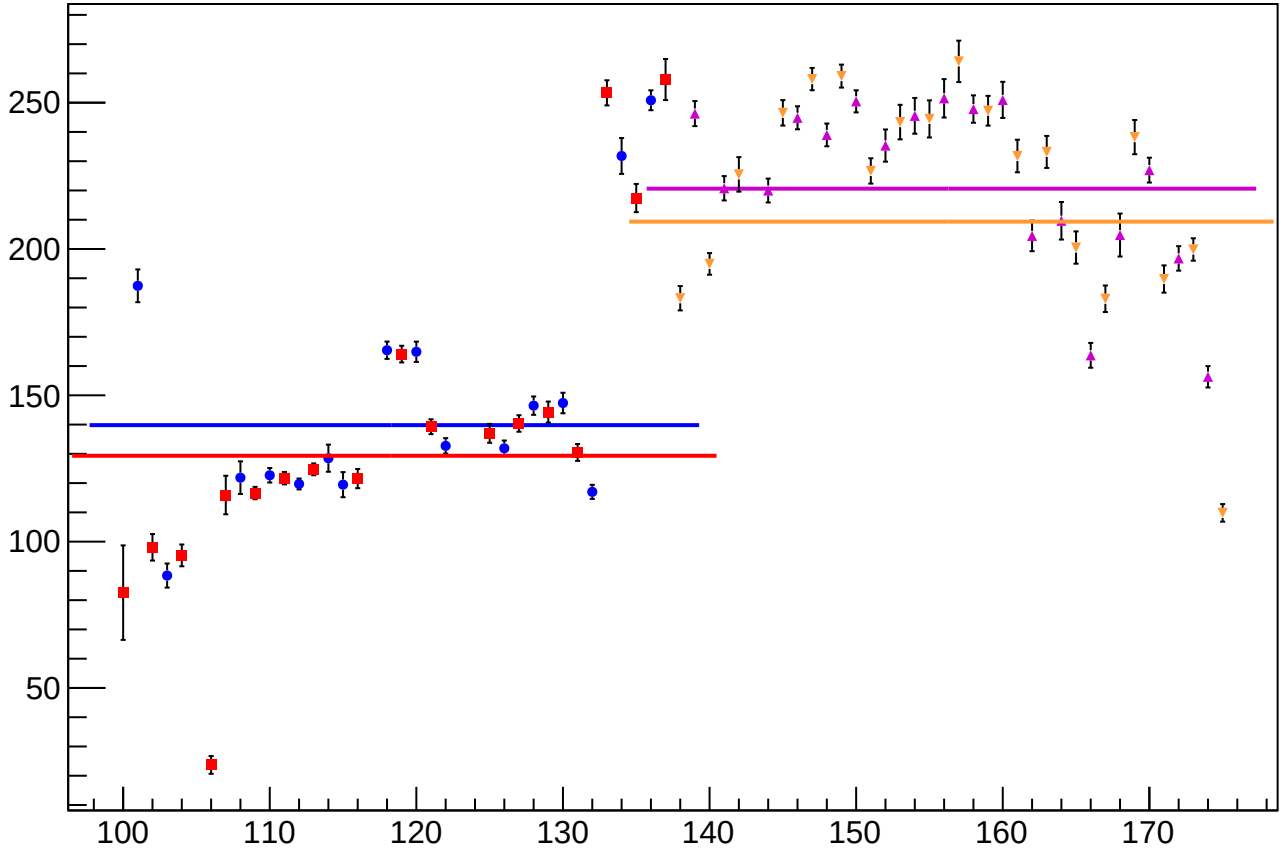
Left In: -161.146+/-0.054 χ^2/NDF:76995.6/17

+ sign -151.692+/-0.045 χ^2/NDF: 275559.4/34

All: -140.638+/-0.030 χ^2/NDF: 1932885.5/70

- sign -131.263+/-0.041 χ^2/NDF: 1545065.0/35

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 209.357+/-1.046 χ^2/NDF:1870.6/18

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

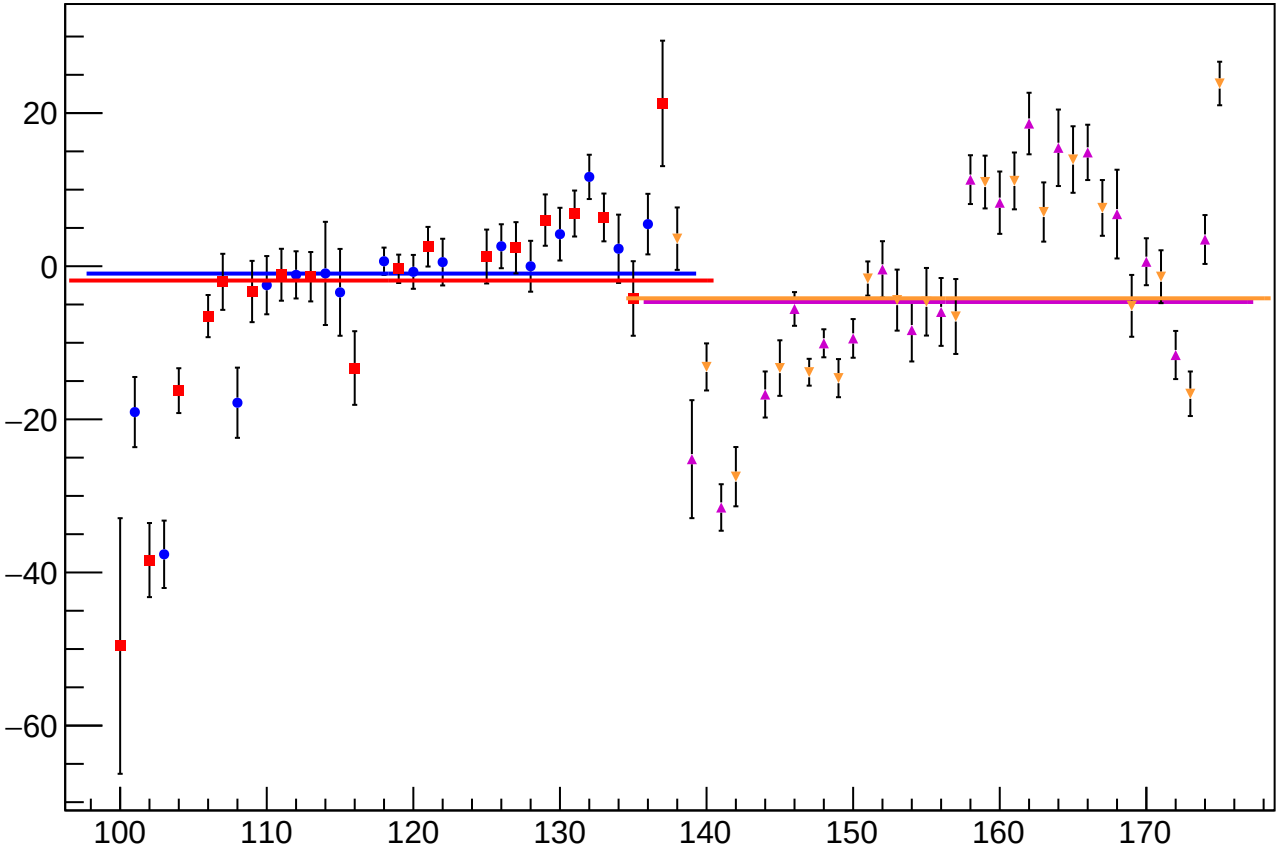
Left In: 220.619+/-1.084 χ^2/NDF:804.7/17

+ sign 164.839+/-0.628 χ^2/NDF: 6663.5/34

All: 161.339+/-0.437 χ^2/NDF: 15512.9/70

- sign 158.056+/-0.608 χ^2/NDF: 8789.2/35

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -4.190+/-0.727 χ^2/NDF:293.5/18

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

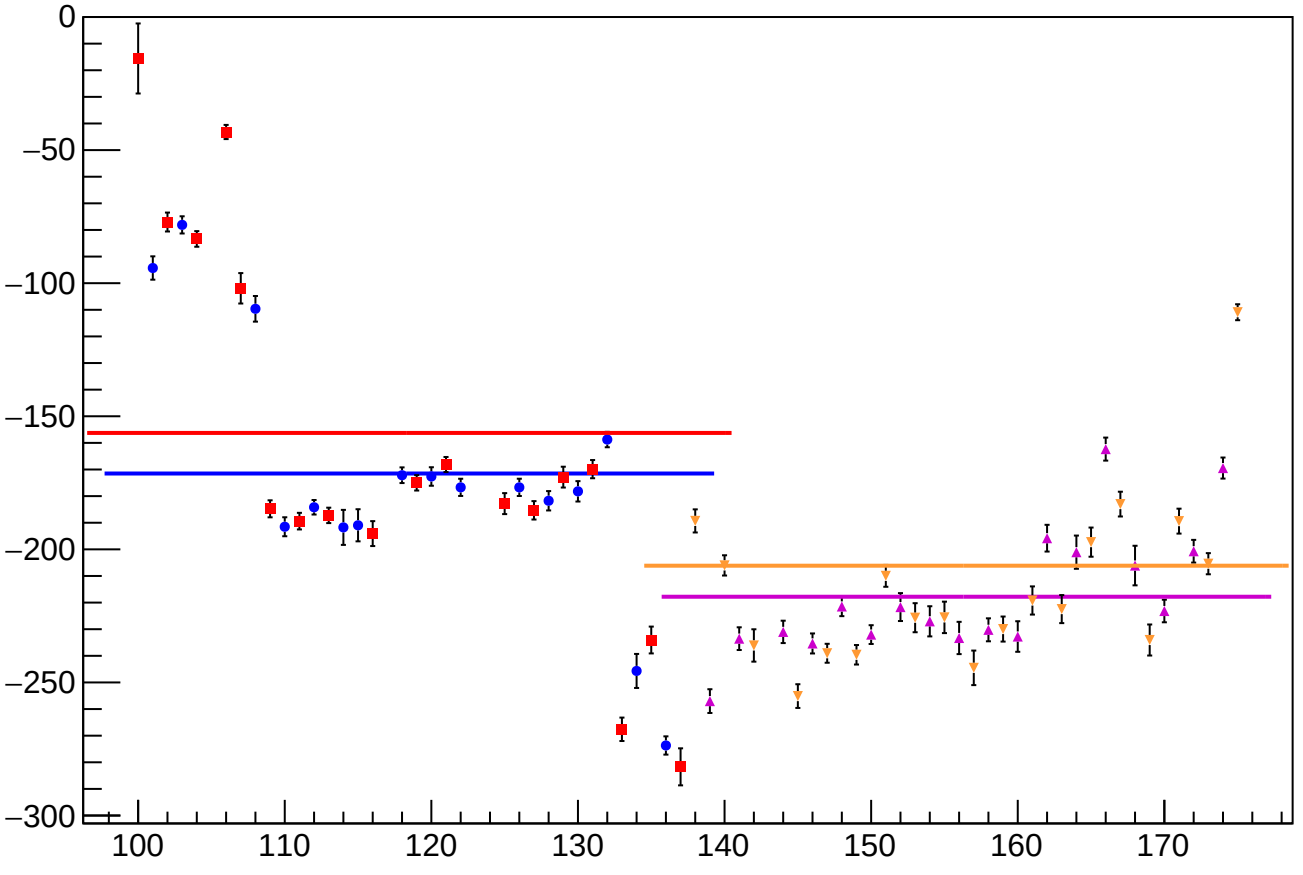
Left In: -4.671+/-0.755 χ^2/NDF:248.6/17

+ sign -2.747+/-0.541 χ^2/NDF: 428.4/34

All: -3.032+/-0.383 χ^2/NDF: 817.3/70

- sign -3.321+/-0.544 χ^2/NDF: 388.4/35

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -206.141+/-1.029 χ^2/NDF:1502.0/18

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

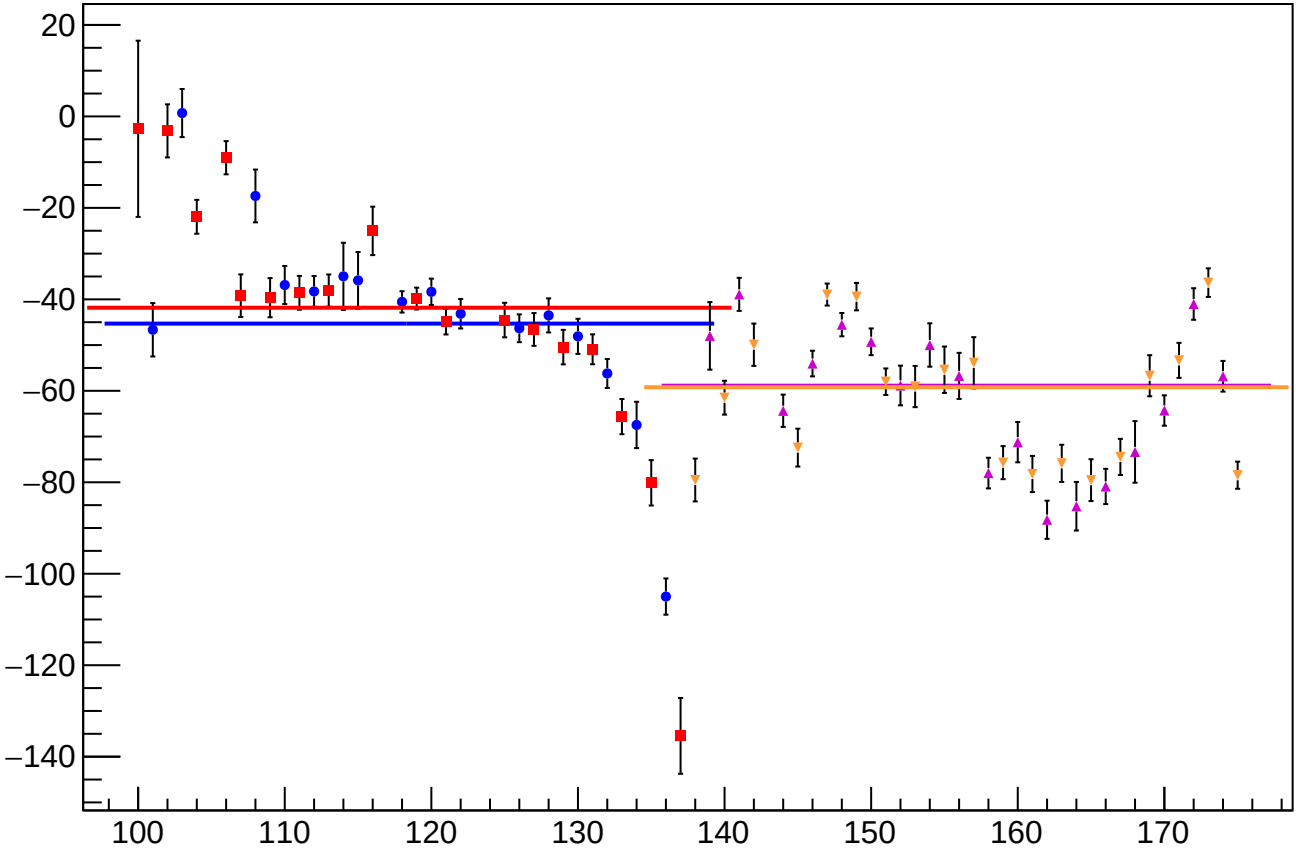
Left In: -217.801+/-1.067 χ^2/NDF:525.2/17

\+ sign -186.646+/-0.680 χ^2/NDF: 4582.5/34

All: -183.273+/-0.475 χ^2/NDF: 12100.5/70

\- sign -180.066+/-0.664 χ^2/NDF: 7470.0/35

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -59.221+/-0.847 χ^2/NDF:343.1/18

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

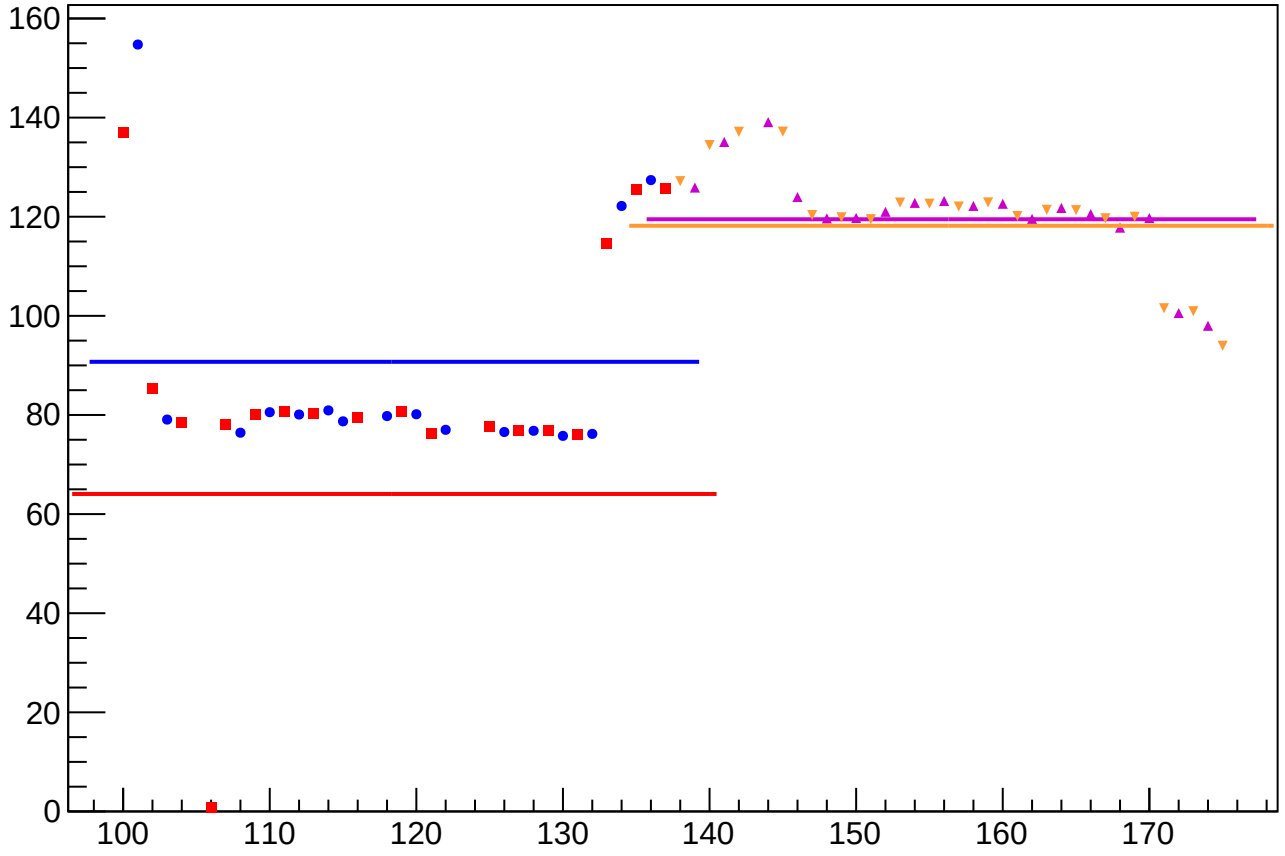
Left In: -58.883+/-0.878 χ^2/NDF:261.5/17

+ sign -52.967+/-0.629 χ^2/NDF: 846.4/34

All: -51.816+/-0.446 χ^2/NDF: 1710.8/70

- sign -50.654+/-0.632 χ^2/NDF: 857.6/35

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 118.173+/-0.040 χ^2/NDF:89378.6/18

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

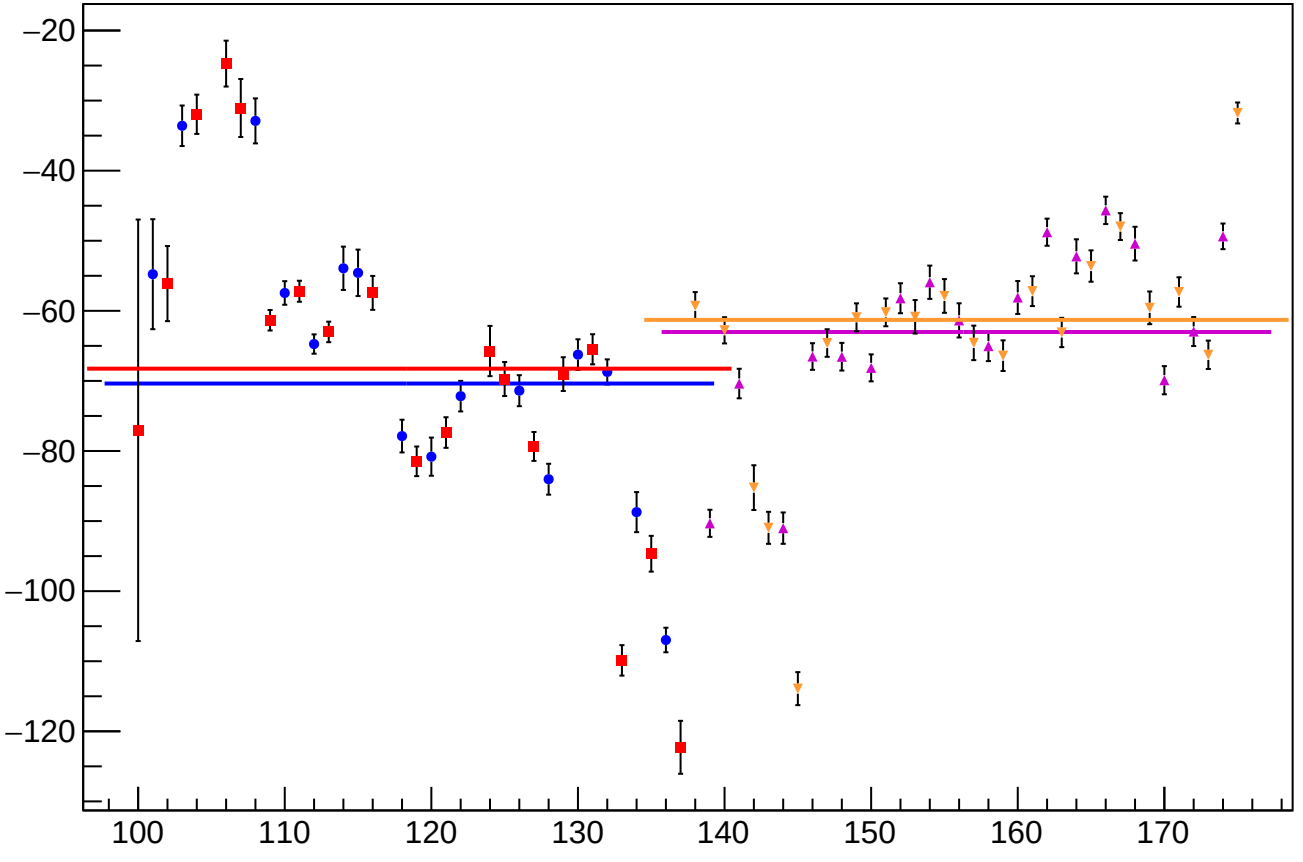
Left In: 119.488+/-0.040 χ^2/NDF:63298.4/17

+ sign 109.477+/-0.033 χ^2/NDF: 401005.9/34

All: 103.112+/-0.023 χ^2/NDF: 1957200.7/70

- sign 97.431+/-0.031 χ^2/NDF: 1485436.5/35

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -61.290+/-0.470 χ^2/NDF:1202.6/19

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

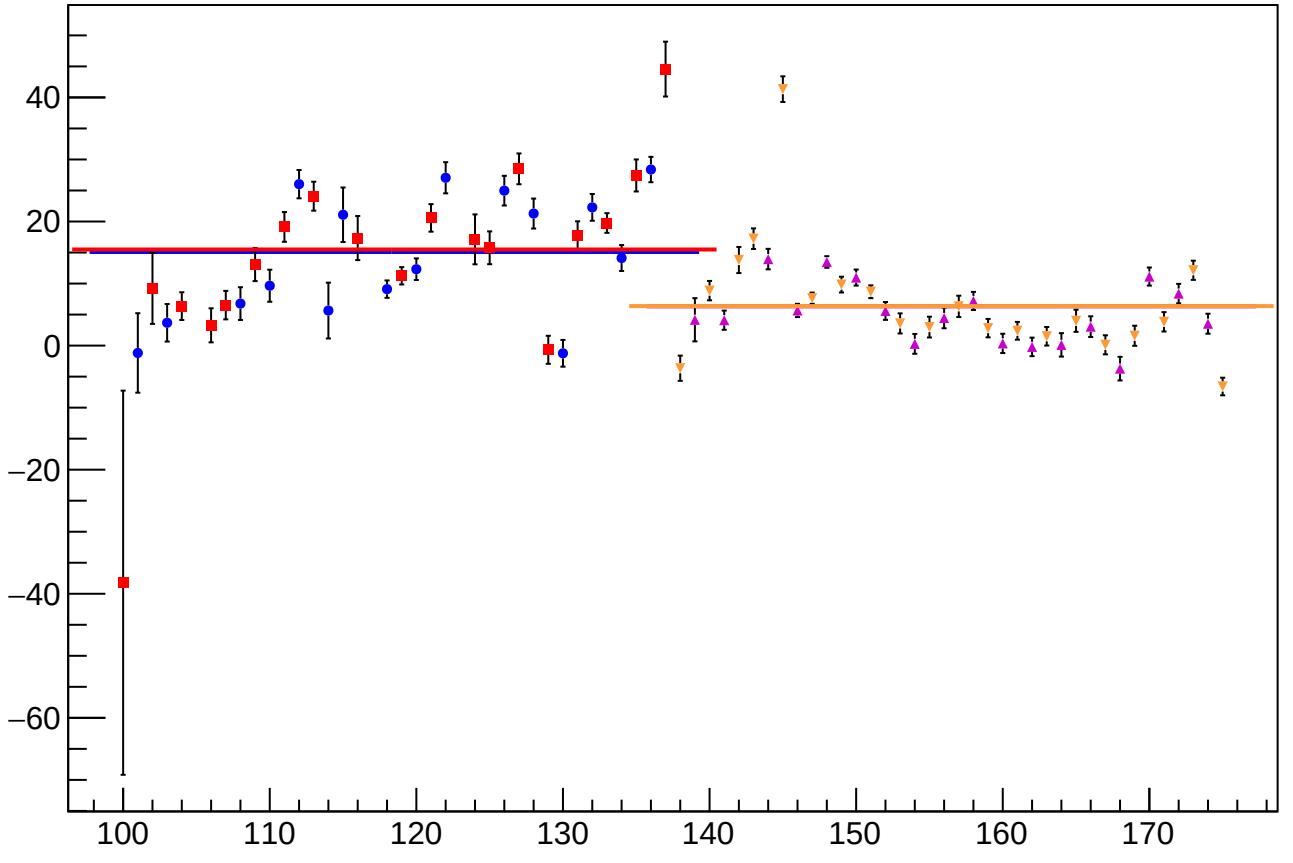
Left In: -63.022+/-0.493 χ^2/NDF:648.5/17

+ sign -65.062+/-0.359 χ^2/NDF: 2332.7/35

All: -65.264+/-0.254 χ^2/NDF: 4340.3/72

- sign -65.466+/-0.360 χ^2/NDF: 2007.0/36

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 6.366+/-0.330 χ^2/NDF:540.2/19

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

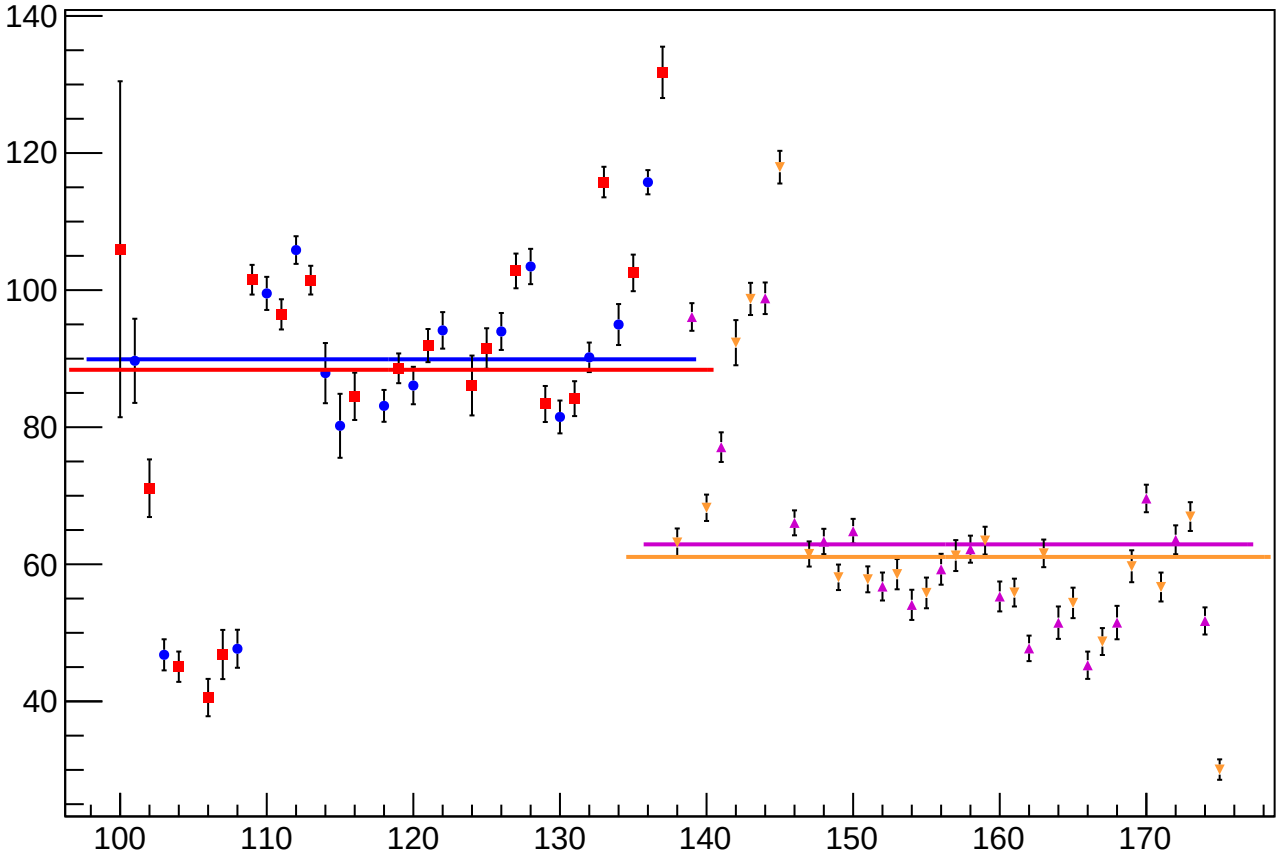
Left In: 6.331+/-0.348 χ^2/NDF:203.9/17

+ sign 8.499+/-0.287 χ^2/NDF: 953.1/35

All: 8.693+/-0.206 χ^2/NDF: 1591.1/72

- sign 8.899+/-0.296 χ^2/NDF: 637.0/36

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 61.074+/-0.461 χ^2/NDF:1445.7/19

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

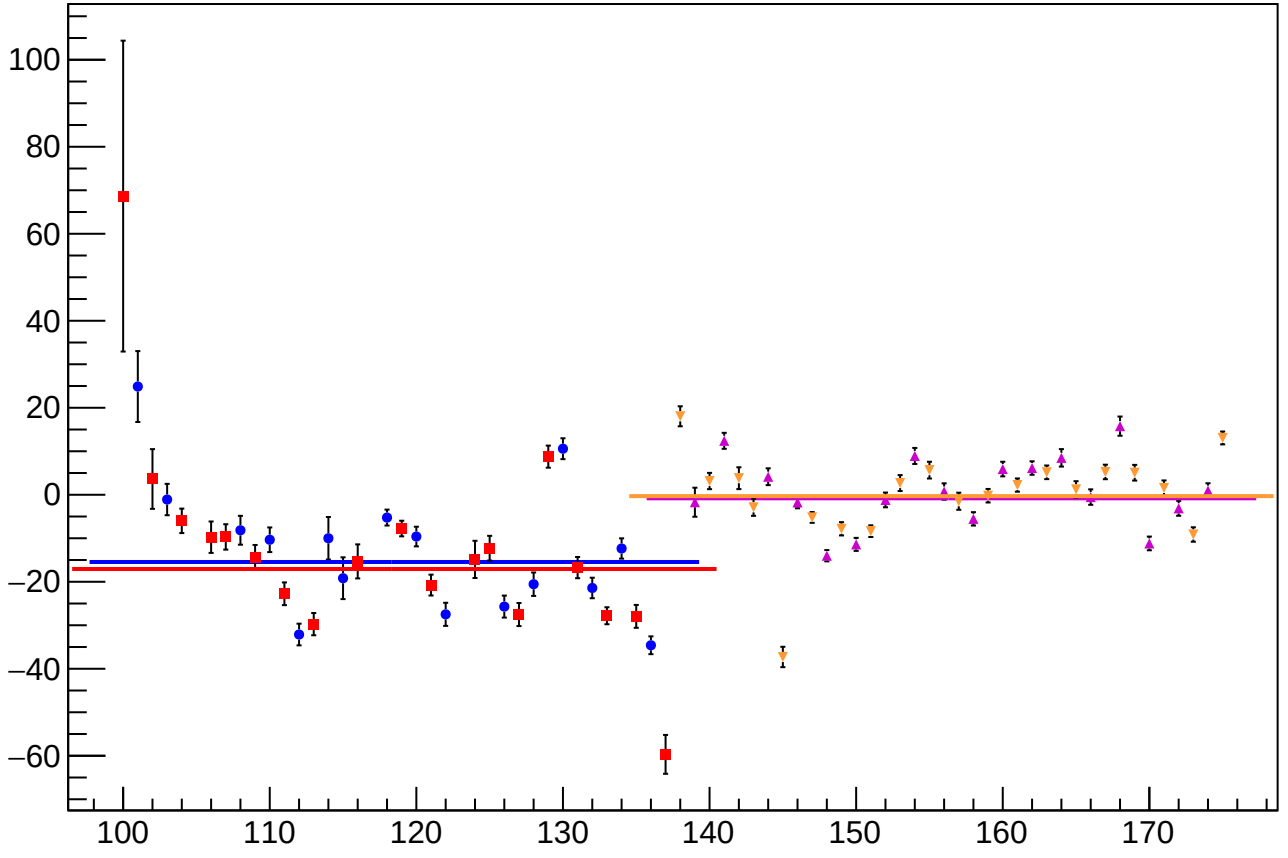
Left In: 62.907+/-0.484 χ^2/NDF:833.5/17

+ sign 70.911+/-0.374 χ^2/NDF: 3727.8/35

All: 71.736+/-0.267 χ^2/NDF: 6914.7/72

- sign 72.589+/-0.381 χ^2/NDF: 3177.0/36

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -0.314+/-0.381 χ^2/NDF:556.0/19

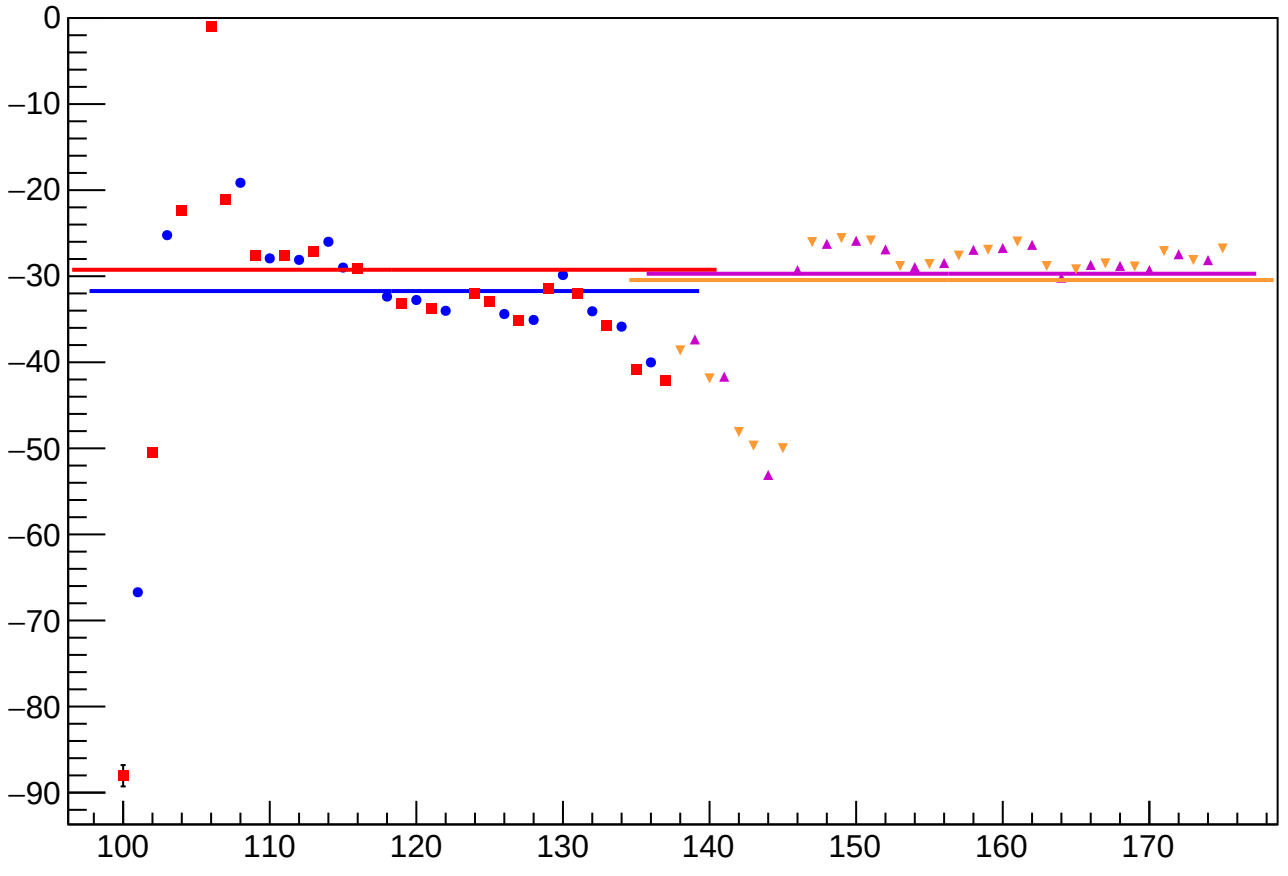
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.818+/-0.401 χ^2/NDF:410.8/17

+ sign -4.051+/-0.331 χ^2/NDF: 1332.3/35

All: -4.688+/-0.237 χ^2/NDF: 2570.7/72

- sign -5.364+/-0.340 χ^2/NDF: 1230.8/36



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -30.445+/-0.018 χ^2/NDF:154721.0/19

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

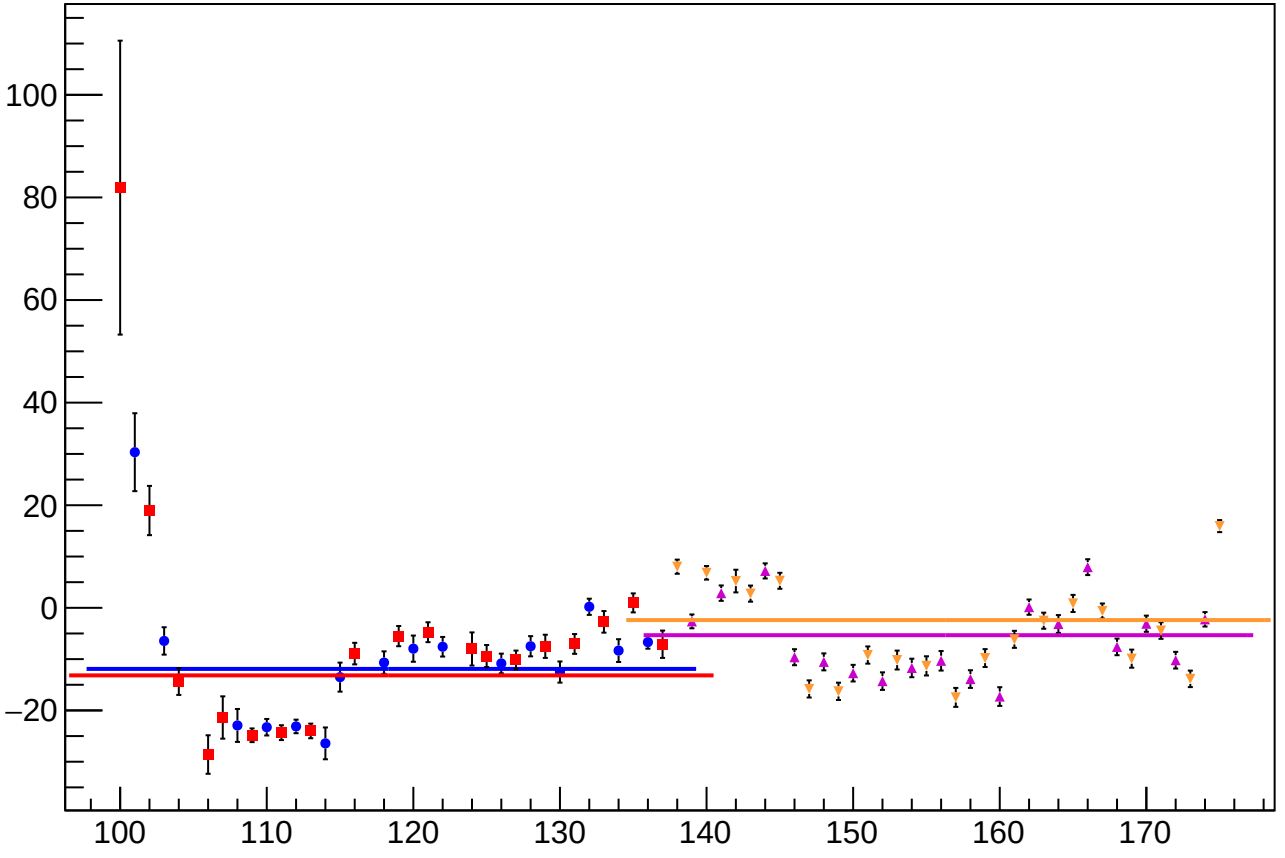
Left In: -29.710+/-0.018 χ^2/NDF:95097.2/17

+ sign -30.664+/-0.016 χ^2/NDF: 195272.5/35

All: -30.156+/-0.011 χ^2/NDF: 387797.9/72

- sign -29.628+/-0.016 χ^2/NDF: 190450.8/36

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -2.389+/-0.358 χ^2/NDF:750.3/19

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

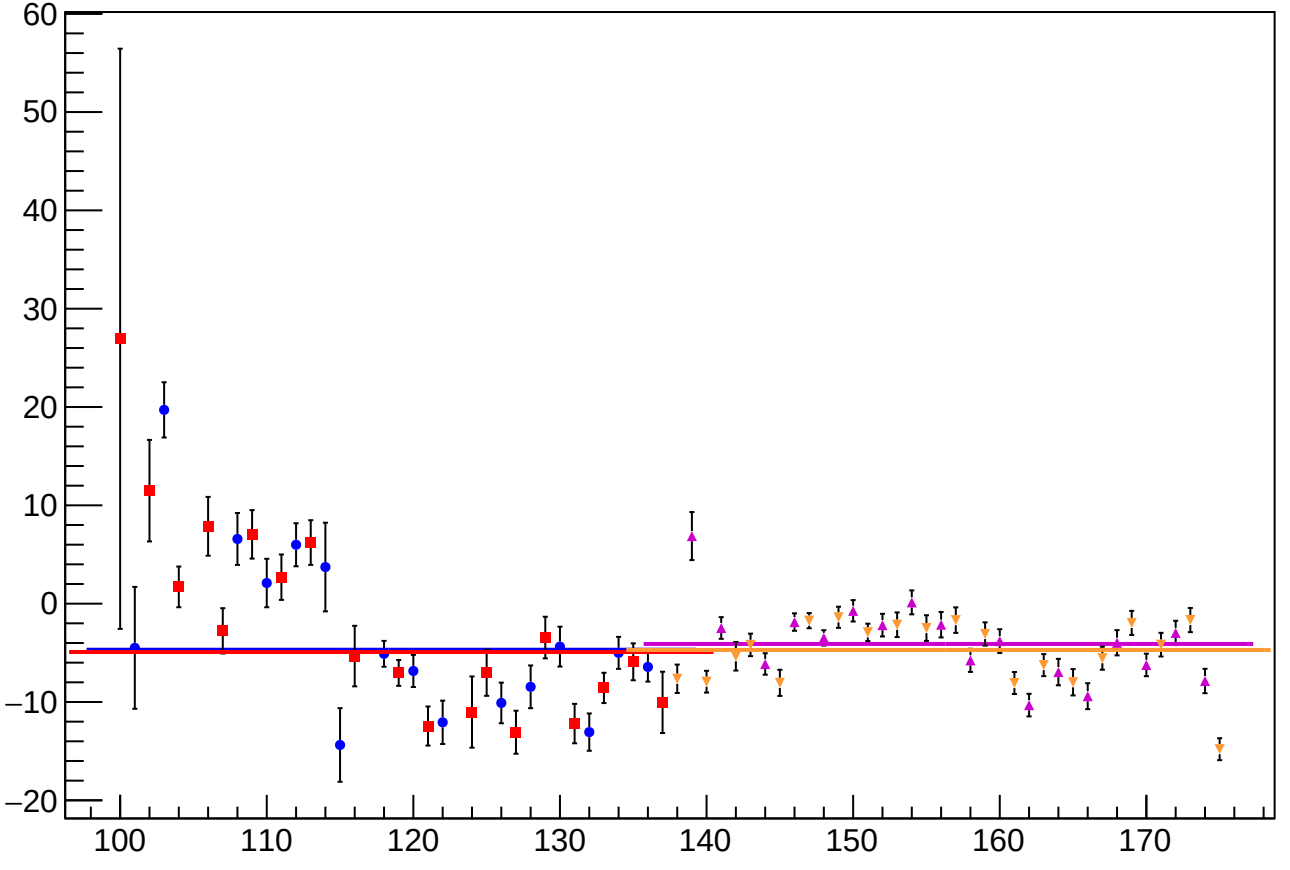
Left In: -5.335+/-0.377 χ^2/NDF:365.5/17

+ sign -5.646+/-0.291 χ^2/NDF: 1273.8/35

All: -6.957+/-0.208 χ^2/NDF: 2267.1/72

- sign -8.323+/-0.296 χ^2/NDF: 951.7/36

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.708+/-0.257 χ^2/NDF:173.0/19

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

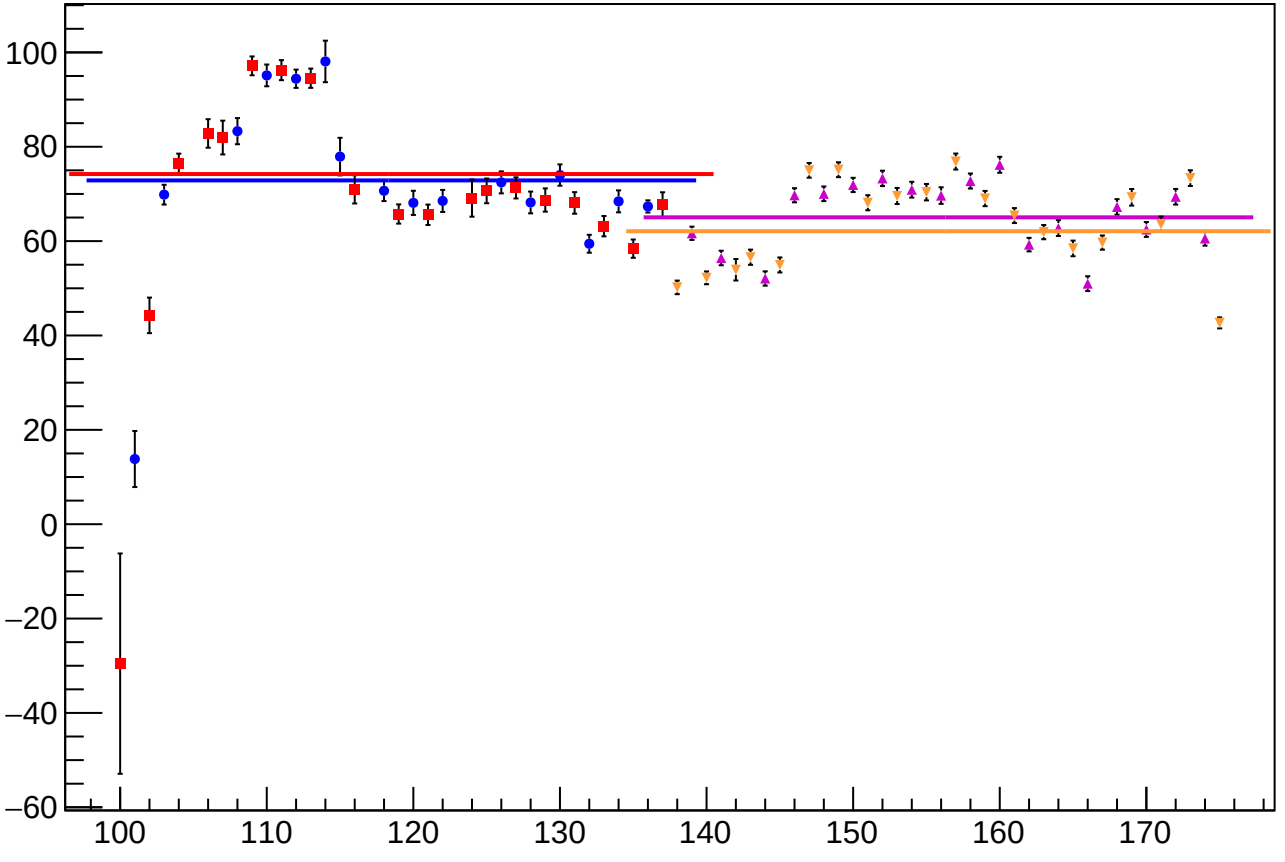
Left In: -4.097+/-0.271 χ^2/NDF:125.1/17

+ sign -4.704+/-0.230 χ^2/NDF: 352.0/35

All: -4.499+/-0.166 χ^2/NDF: 636.6/72

- sign -4.276+/-0.240 χ^2/NDF: 283.0/36

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 62.097+/-0.353 χ^2/NDF:802.2/19

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

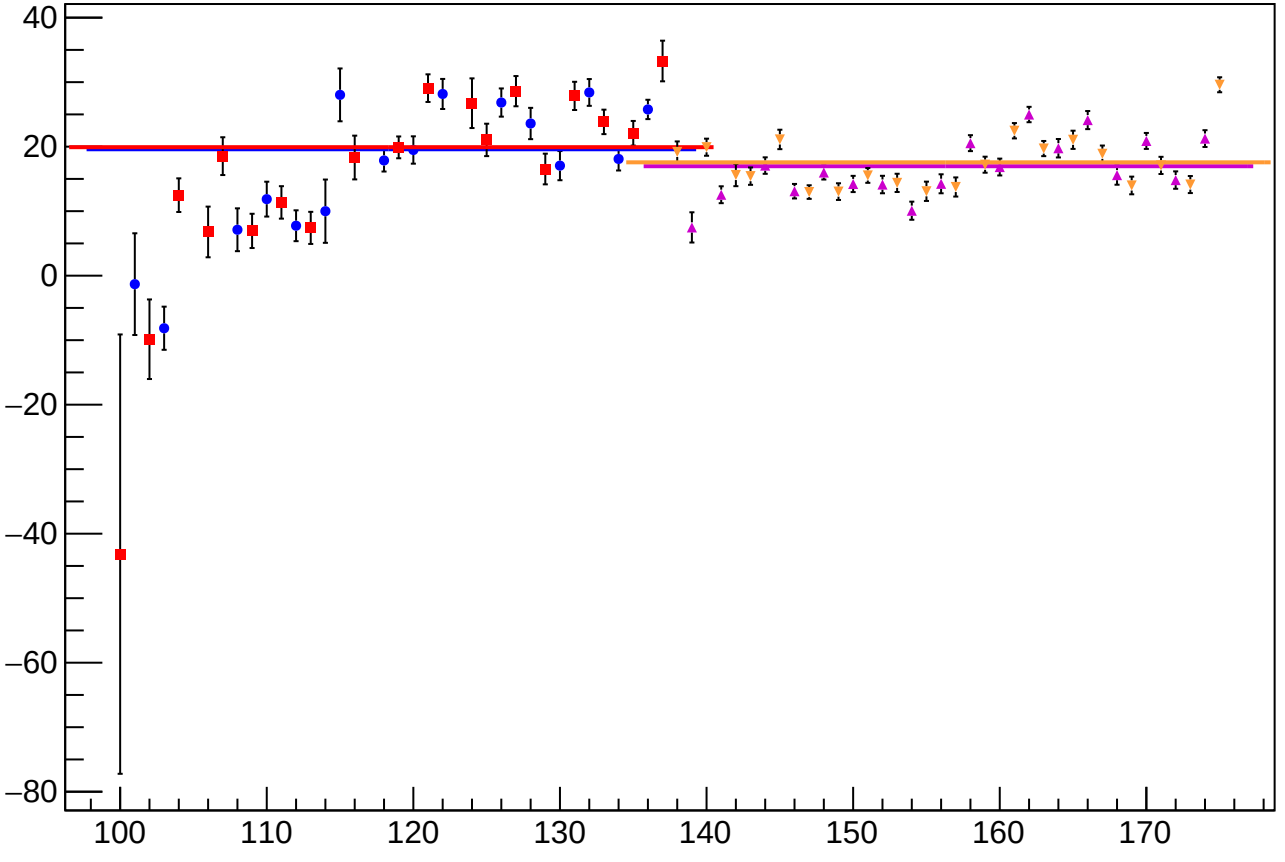
Left In: 65.041+/-0.371 χ^2/NDF:380.1/17

+ sign 65.116+/-0.299 χ^2/NDF: 1514.1/35

All: 66.424+/-0.215 χ^2/NDF: 2705.4/72

- sign 67.823+/-0.310 χ^2/NDF: 1151.9/36

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 17.571+/-0.295 χ^2/NDF:217.0/19

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

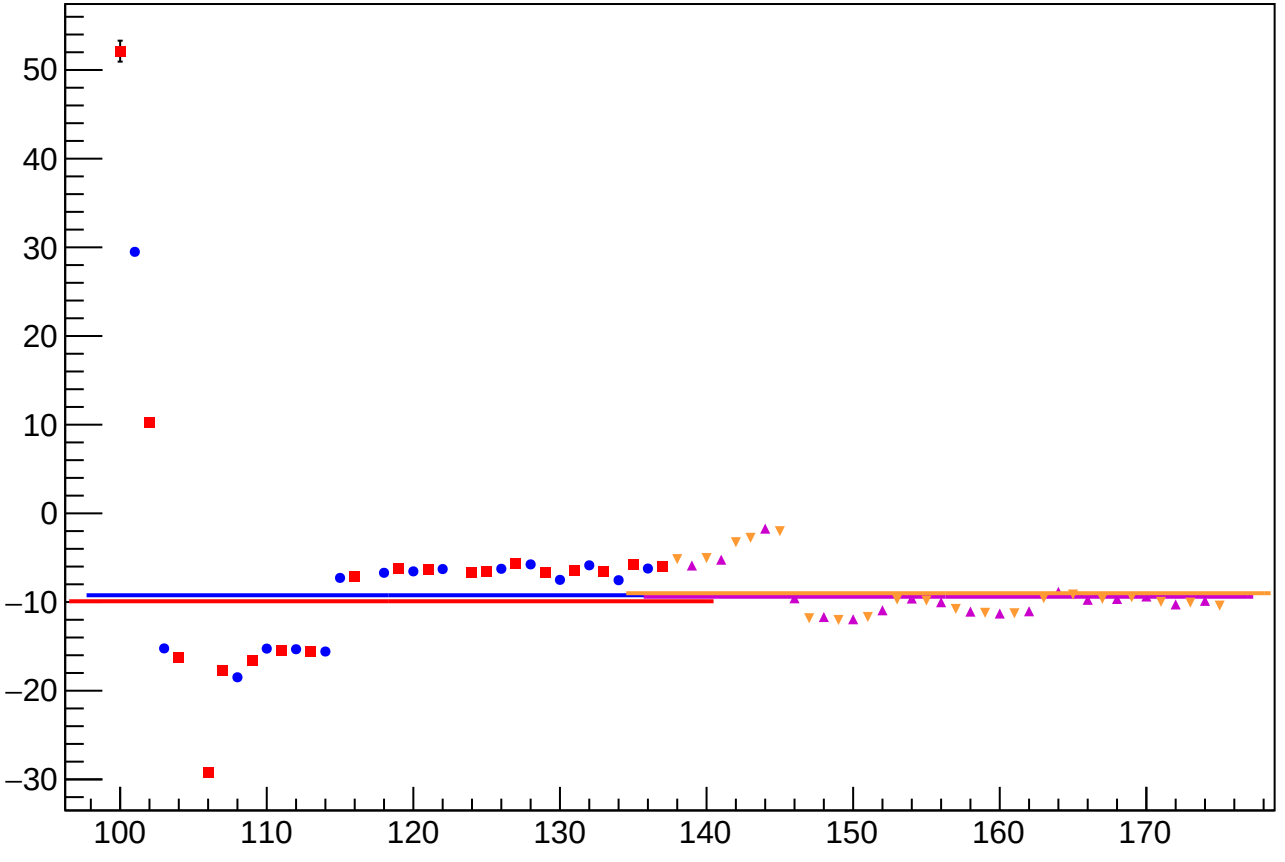
Left In: 16.969+/-0.311 χ^2/NDF:184.7/17

\+ sign 17.981+/-0.263 χ^2/NDF: 422.5/35

All: 17.807+/-0.190 χ^2/NDF: 809.3/72

\- sign 17.618+/-0.275 χ^2/NDF: 385.9/36

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -9.005+/-0.013 χ^2/NDF:45635.4/19

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

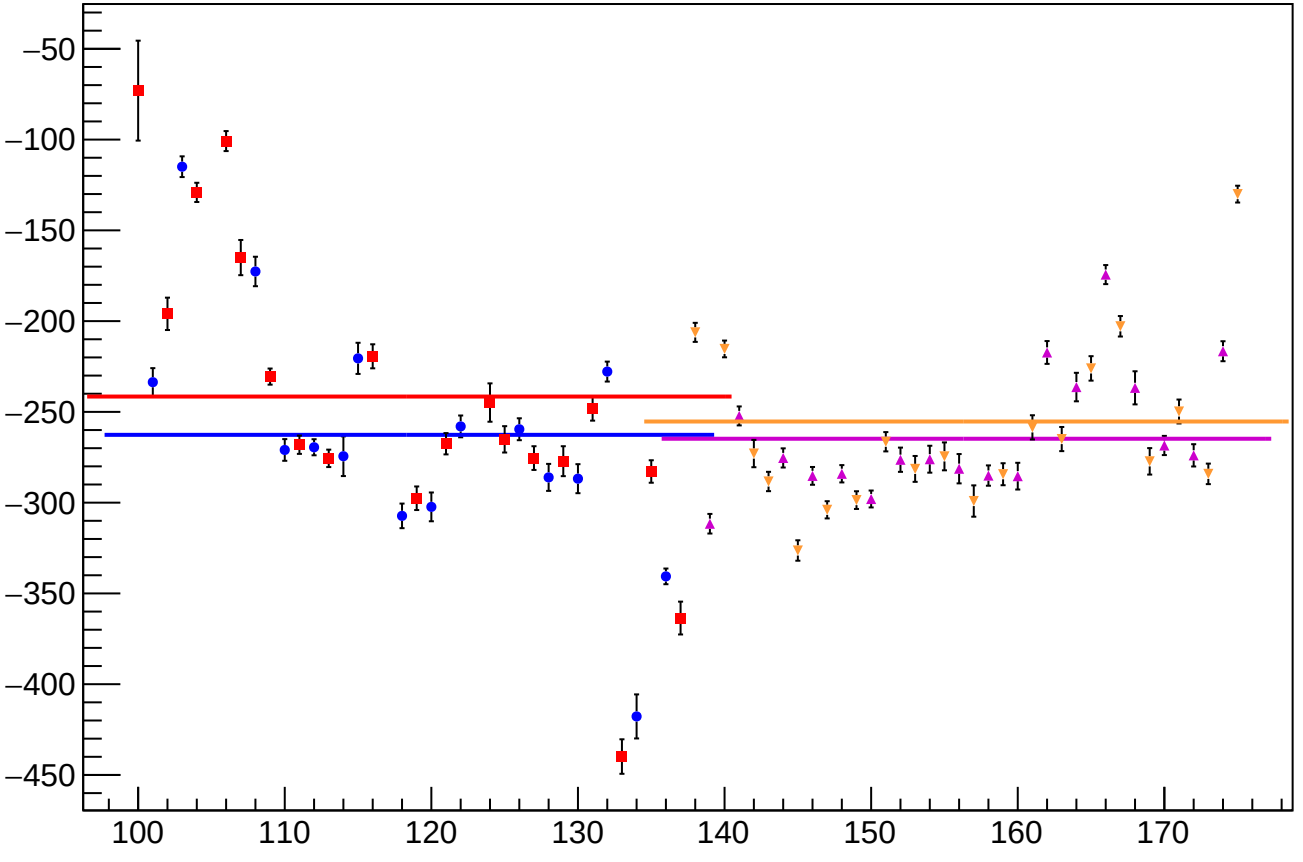
Left In: -9.402+/-0.014 χ^2/NDF:29318.0/17

+ sign -9.037+/-0.012 χ^2/NDF: 76836.7/35

All: -9.249+/-0.009 χ^2/NDF: 160804.9/72

- sign -9.472+/-0.013 χ^2/NDF: 83371.0/36

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -255.300+/-1.307 χ^2/NDF:1497.4/19

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

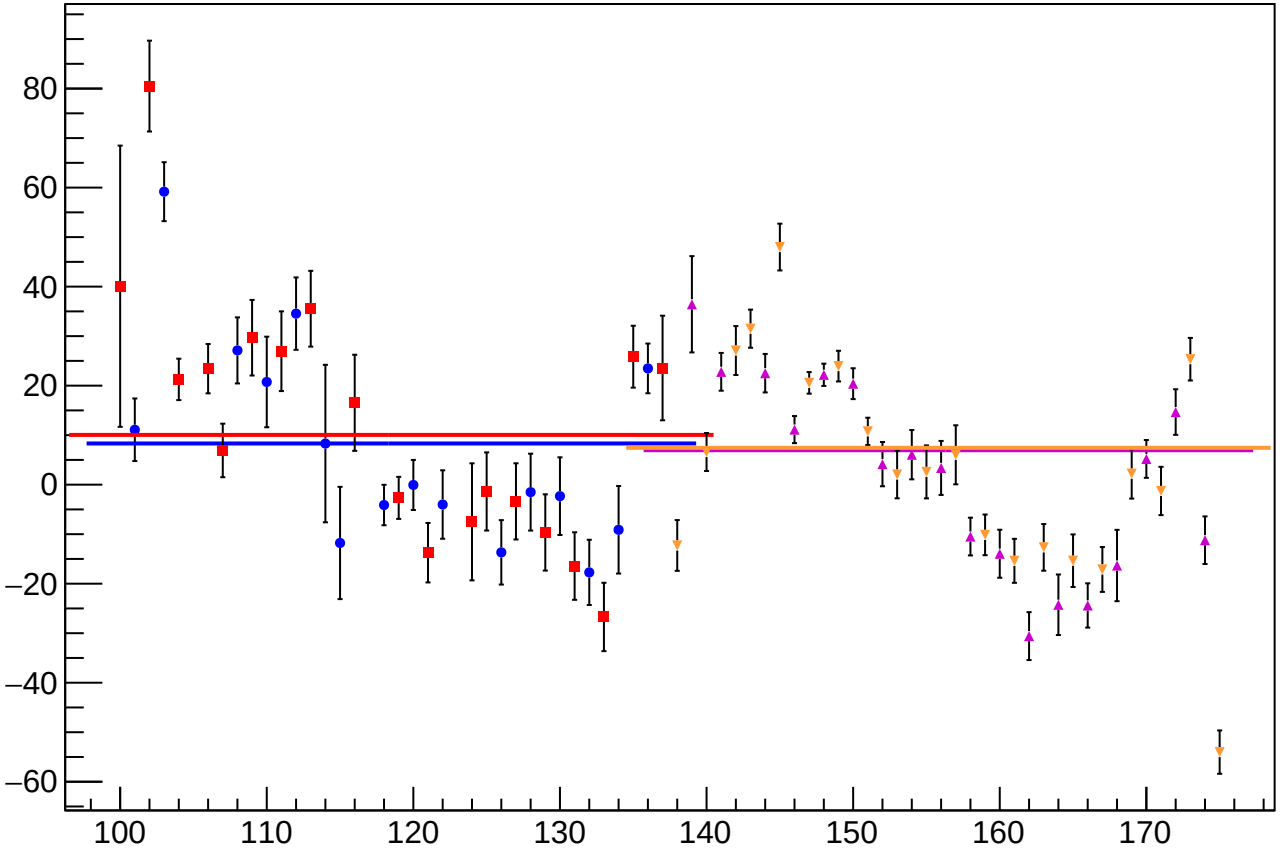
Left In: -264.798+/-1.374 χ^2/NDF:655.8/17

+ sign -258.209+/-1.016 χ^2/NDF: 2964.3/35

All: -256.223+/-0.718 χ^2/NDF: 5896.3/72

- sign -254.241+/-1.015 χ^2/NDF: 2924.4/36

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 7.441+/-0.898 χ^2/NDF:541.1/19

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

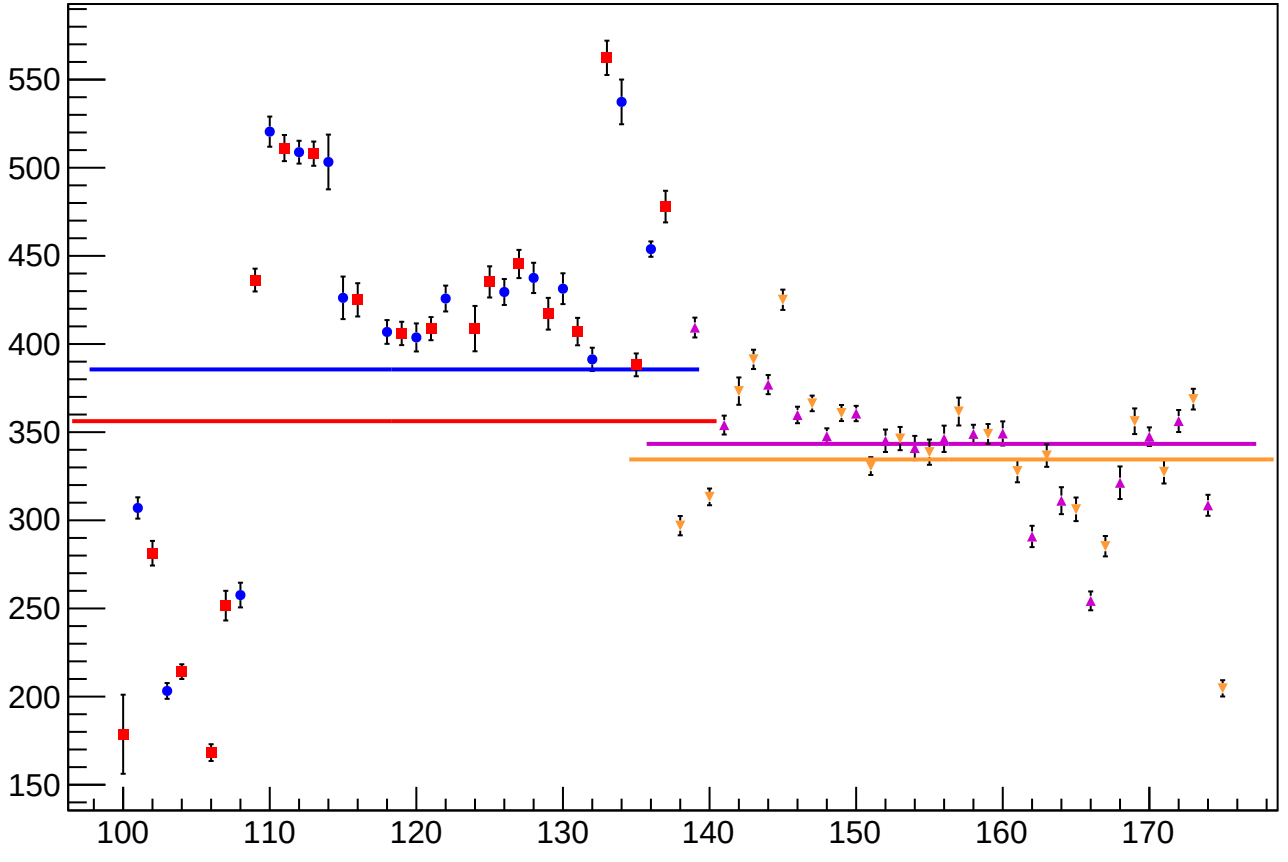
Left In: 6.958+/-0.948 χ^2/NDF:312.9/17

+ sign 7.643+/-0.788 χ^2/NDF: 699.0/35

All: 7.724+/-0.564 χ^2/NDF: 1202.3/72

- sign 7.809+/-0.807 χ^2/NDF: 503.2/36

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 334.532+/-1.285 χ^2/NDF:1480.6/19

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

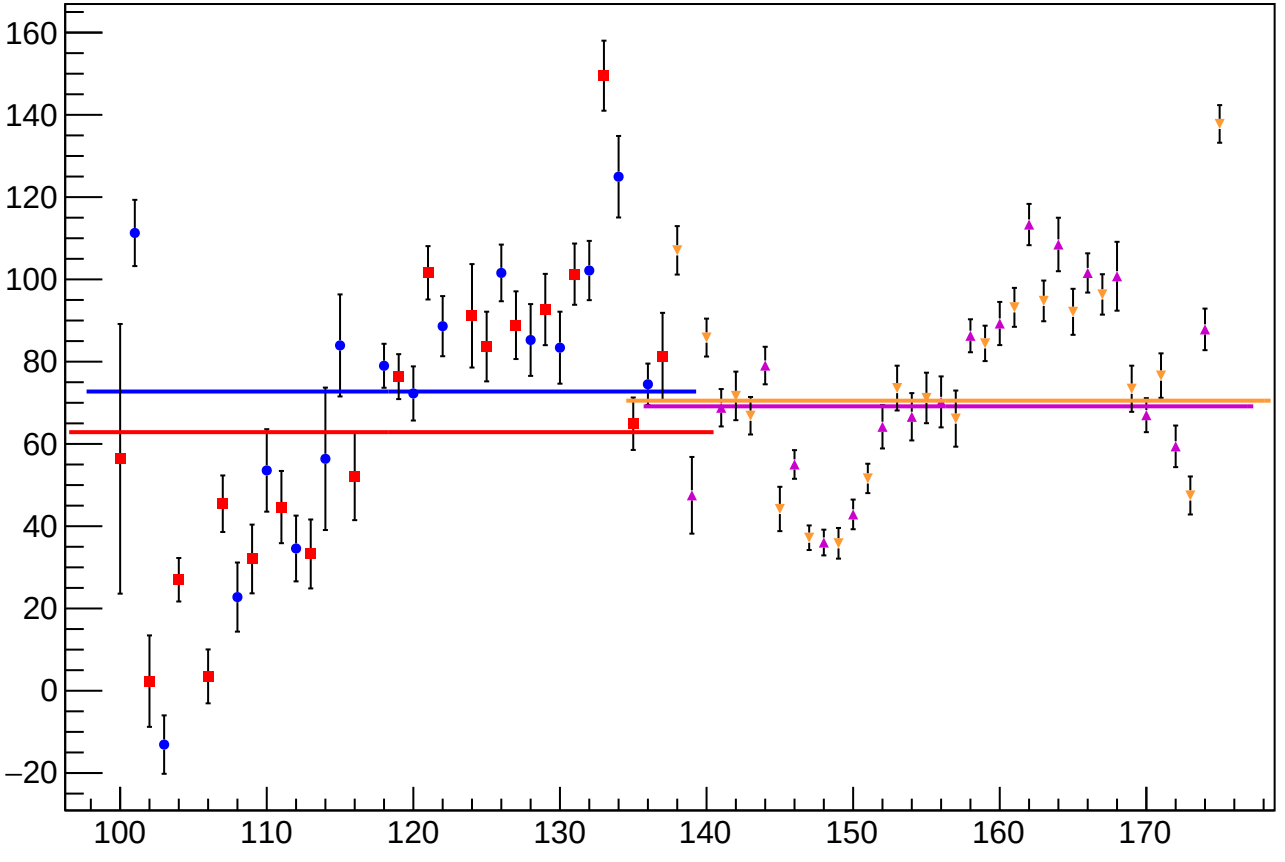
Left In: 343.351+/-1.346 χ^2/NDF:625.6/17

+ sign 352.516+/-1.034 χ^2/NDF: 5410.0/35

All: 350.531+/-0.734 χ^2/NDF: 11350.1/72

- sign 348.515+/-1.042 χ^2/NDF: 5932.6/36

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 70.519+/-1.051 χ^2/NDF:656.2/19

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

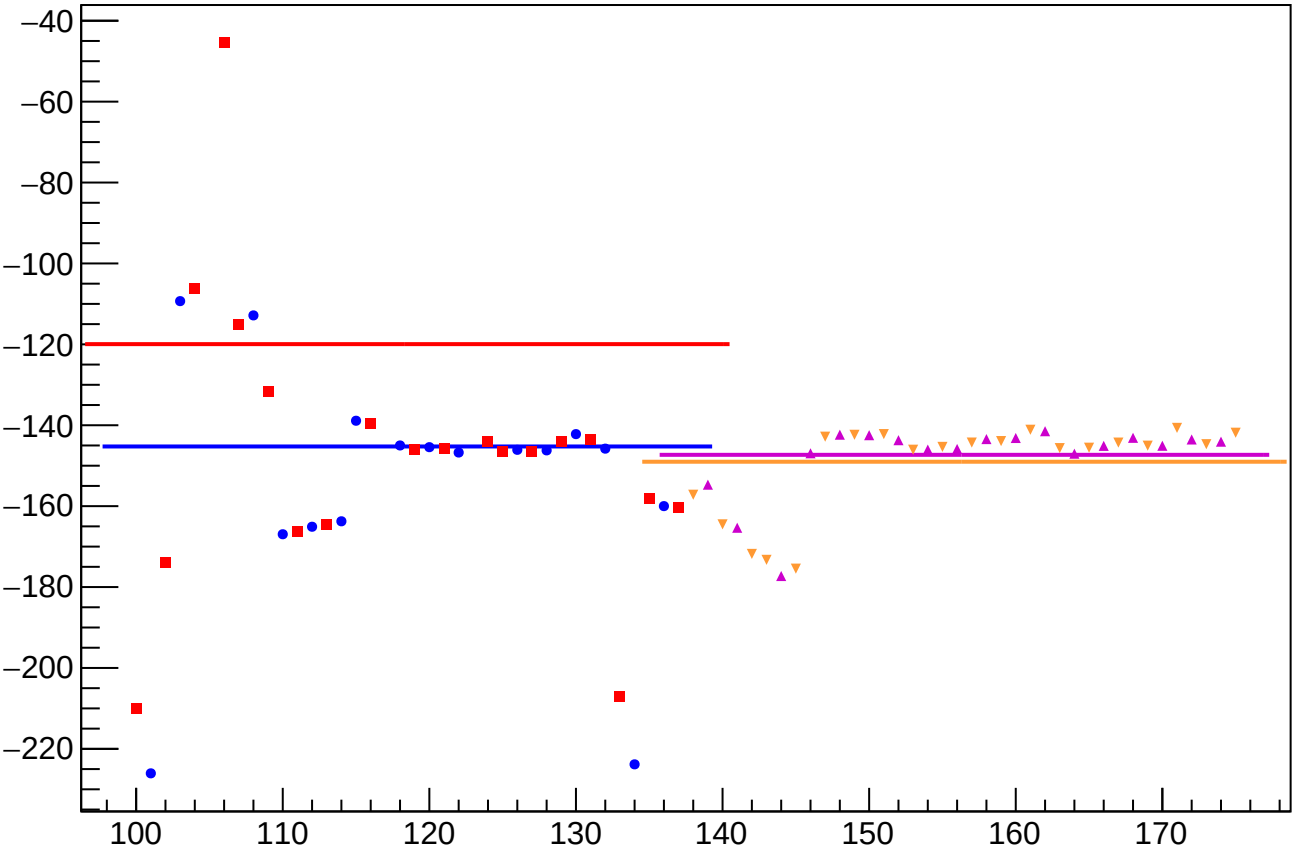
Left In: 69.138+/-1.105 χ^2/NDF:418.1/17

+ sign 71.041+/-0.920 χ^2/NDF: 961.5/35

All: 69.269+/-0.658 χ^2/NDF: 1799.7/72

- sign 67.413+/-0.941 χ^2/NDF: 830.6/36

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -149.019+/-0.050 χ^2/NDF:46684.9/19

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

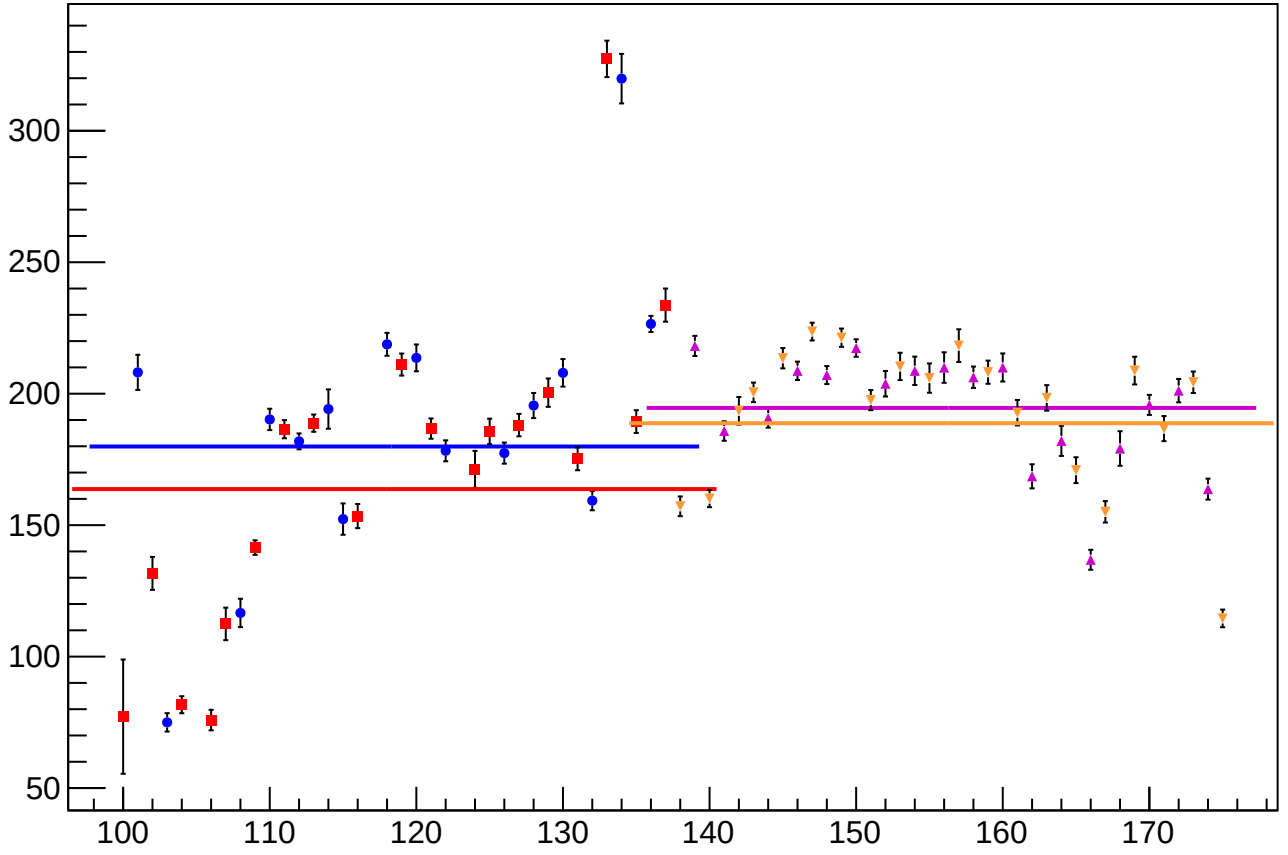
Left In: -147.312+/-0.051 χ^2/NDF:27508.9/17

+ sign -148.251+/-0.044 χ^2/NDF: 179914.4/35

All: -144.403+/-0.031 χ^2/NDF: 564160.8/72

- sign -140.615+/-0.044 χ^2/NDF: 369313.8/36

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 188.767+/-0.937 χ^2/NDF:1071.3/19

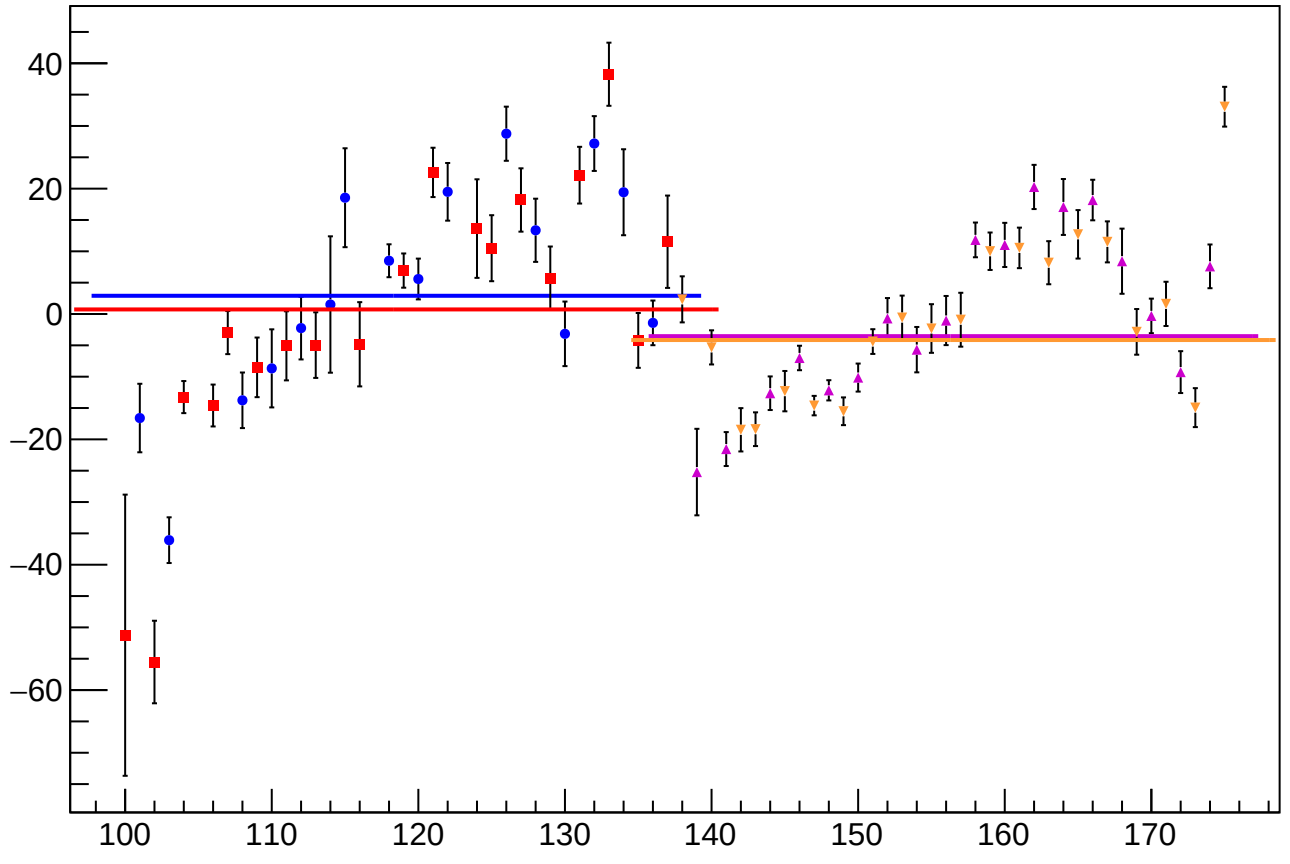
Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 194.592+/-0.986 χ^2/NDF:490.8/17

+ sign 185.002+/-0.710 χ^2/NDF: 2841.9/35

All: 182.161+/-0.499 χ^2/NDF: 6264.0/72

- sign 179.380+/-0.702 χ^2/NDF: 3390.4/36



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -4.153+/-0.643 χ^2/NDF:378.9/19

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

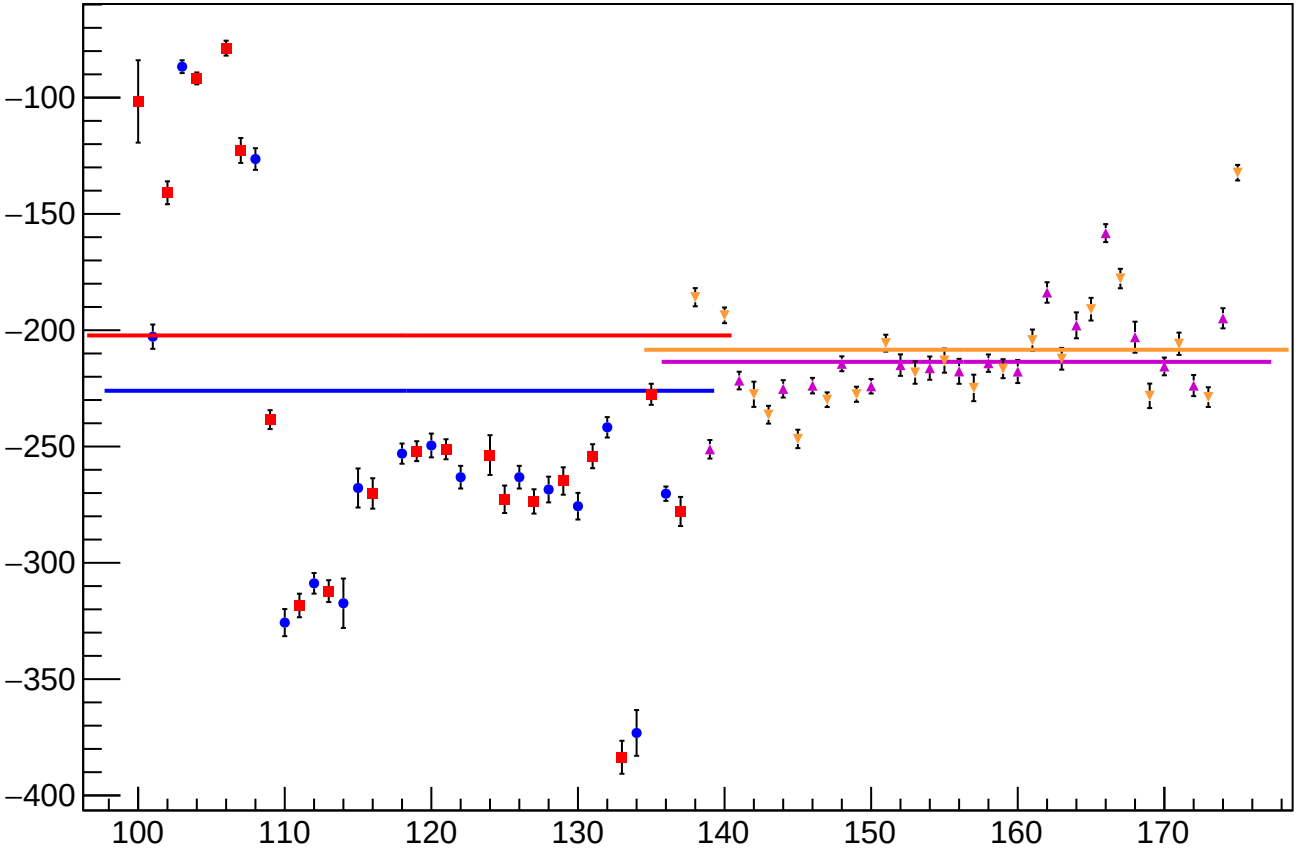
Left In: -3.534+/-0.681 χ^2/NDF:287.4/17

+ sign -2.365+/-0.556 χ^2/NDF: 656.9/35

All: -2.287+/-0.396 χ^2/NDF: 1230.1/72

- sign -2.206+/-0.565 χ^2/NDF: 573.2/36

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -208.404+/-0.921 χ^2/NDF:934.0/19

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

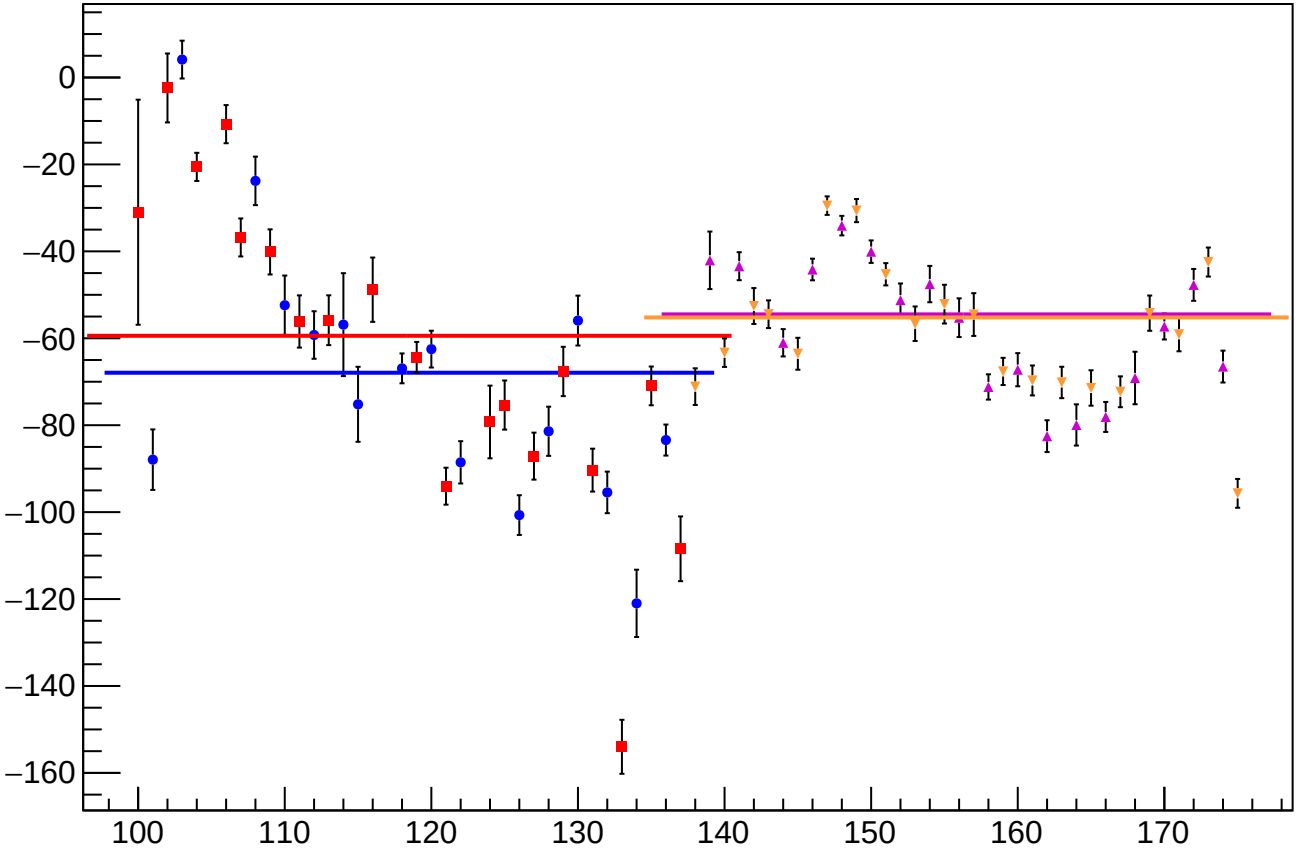
Left In: -213.592+/-0.967 χ^2/NDF:409.9/17

+ sign -215.113+/-0.725 χ^2/NDF: 5612.4/35

All: -211.836+/-0.512 χ^2/NDF: 12814.6/72

- sign -208.581+/-0.722 χ^2/NDF: 7161.5/36

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -55.211+/-0.754 χ^2/NDF:527.1/19

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

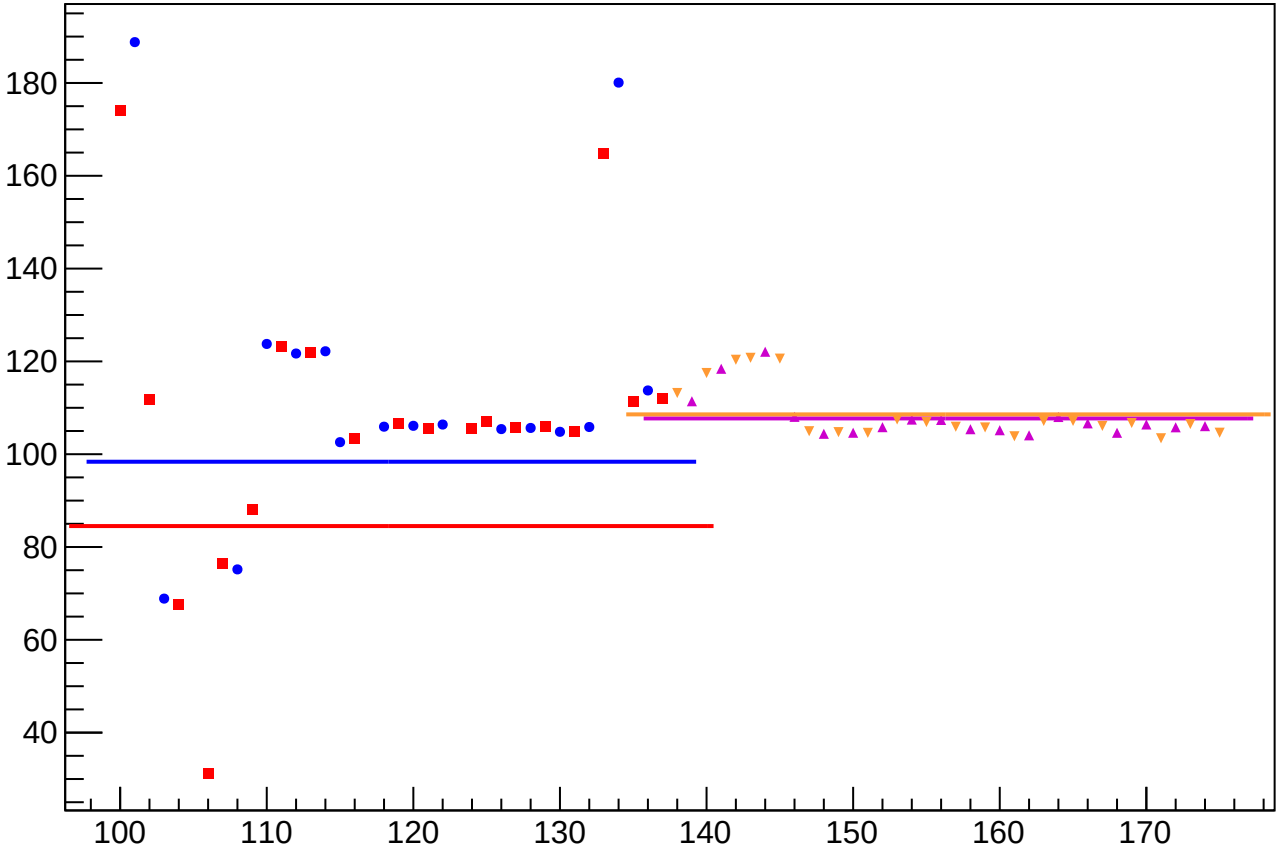
Left In: -54.504+/-0.795 χ^2/NDF:353.3/17

+ sign -58.494+/-0.649 χ^2/NDF: 1134.5/35

All: -57.283+/-0.463 χ^2/NDF: 2301.7/72

- sign -56.033+/-0.660 χ^2/NDF: 1160.0/36

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.583+/-0.036 χ^2/NDF:25028.7/19

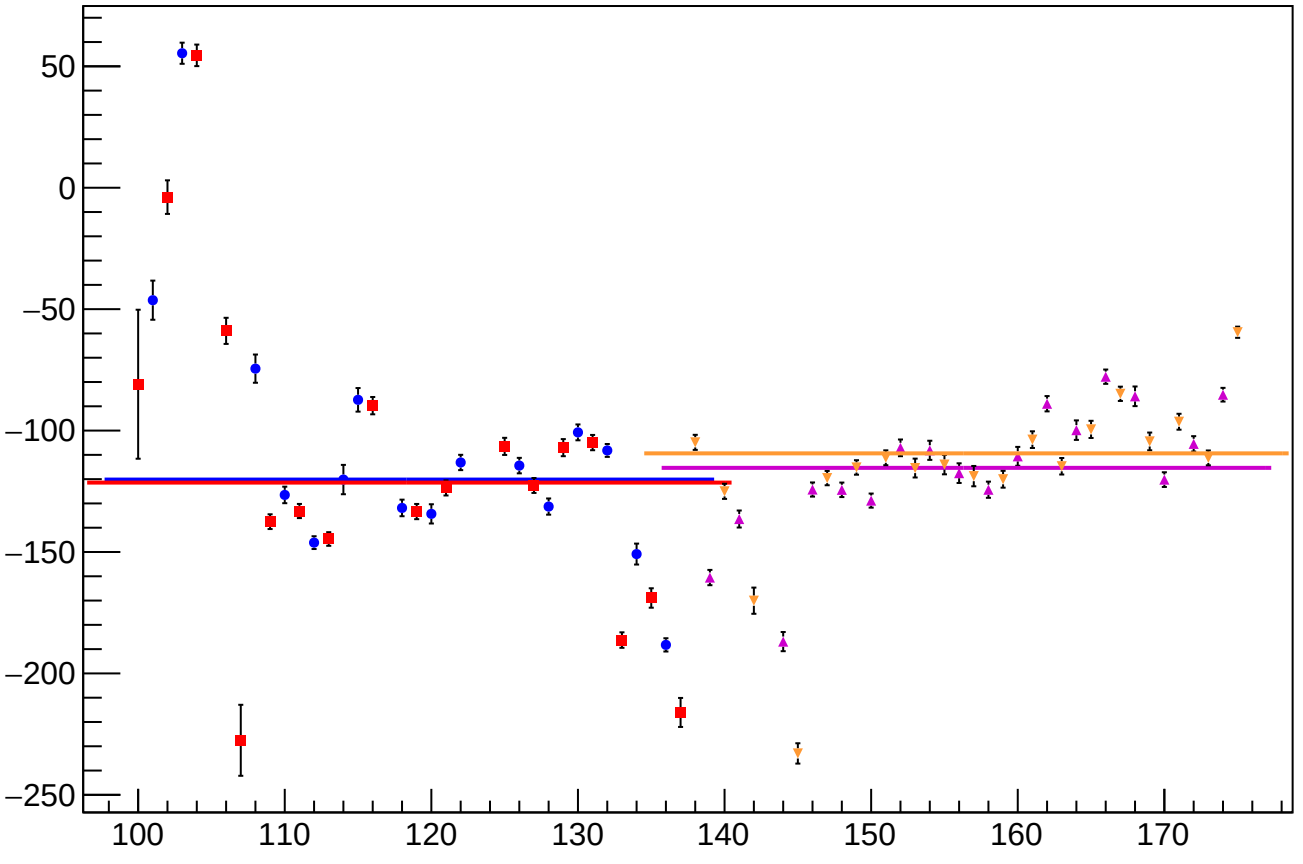
Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.709+/-0.036 χ^2/NDF:15769.9/17

+ sign 106.276+/-0.031 χ^2/NDF: 271933.8/35

All: 103.902+/-0.022 χ^2/NDF: 675525.3/72

- sign 101.553+/-0.031 χ^2/NDF: 392218.7/36



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -109.384+/-0.760 χ^2/NDF:1627.7/18

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

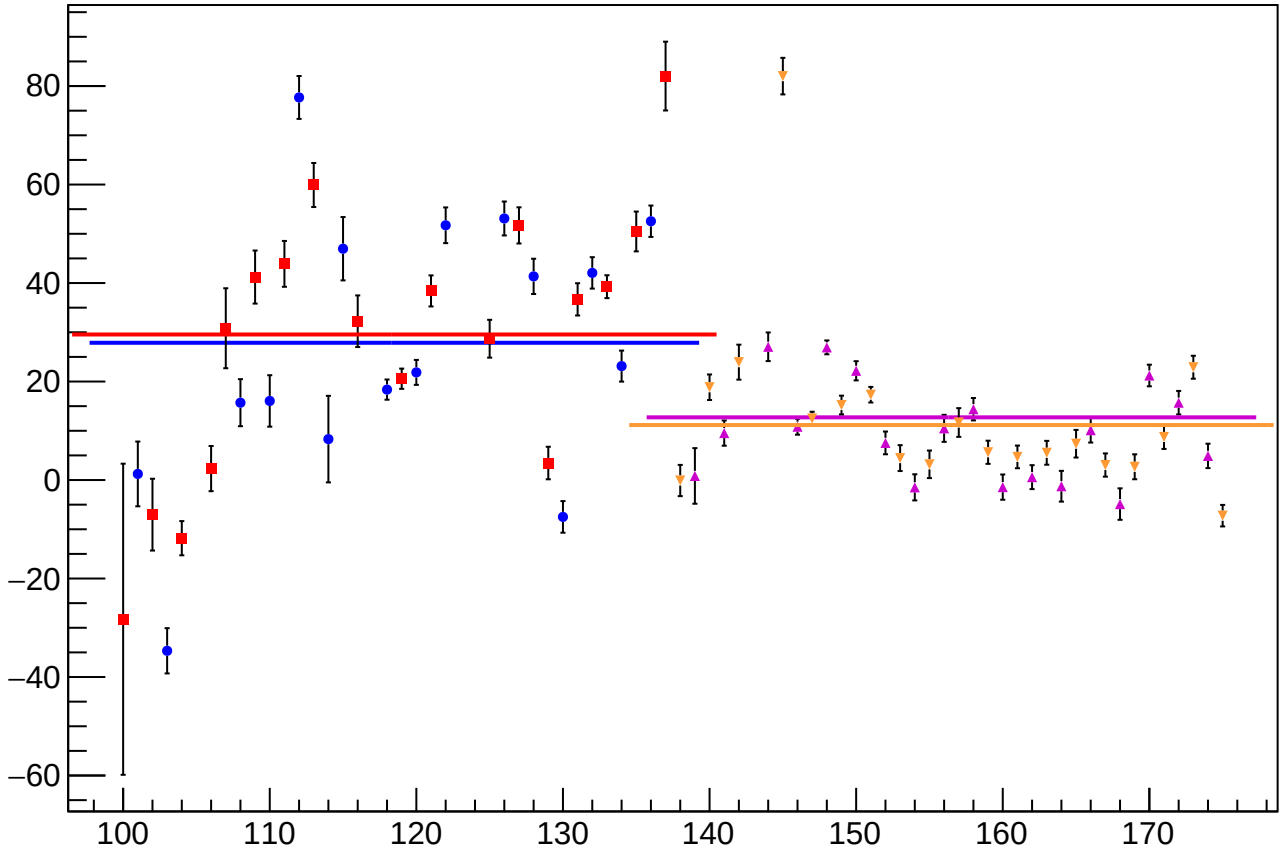
Left In: -115.350+/-0.782 χ^2/NDF:1055.3/17

+ sign -113.931+/-0.578 χ^2/NDF: 4404.0/34

All: -115.969+/-0.411 χ^2/NDF: 8637.4/70

- sign -118.043+/-0.583 χ^2/NDF: 4208.4/35

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 11.166+/-0.529 χ^2/NDF:574.4/18

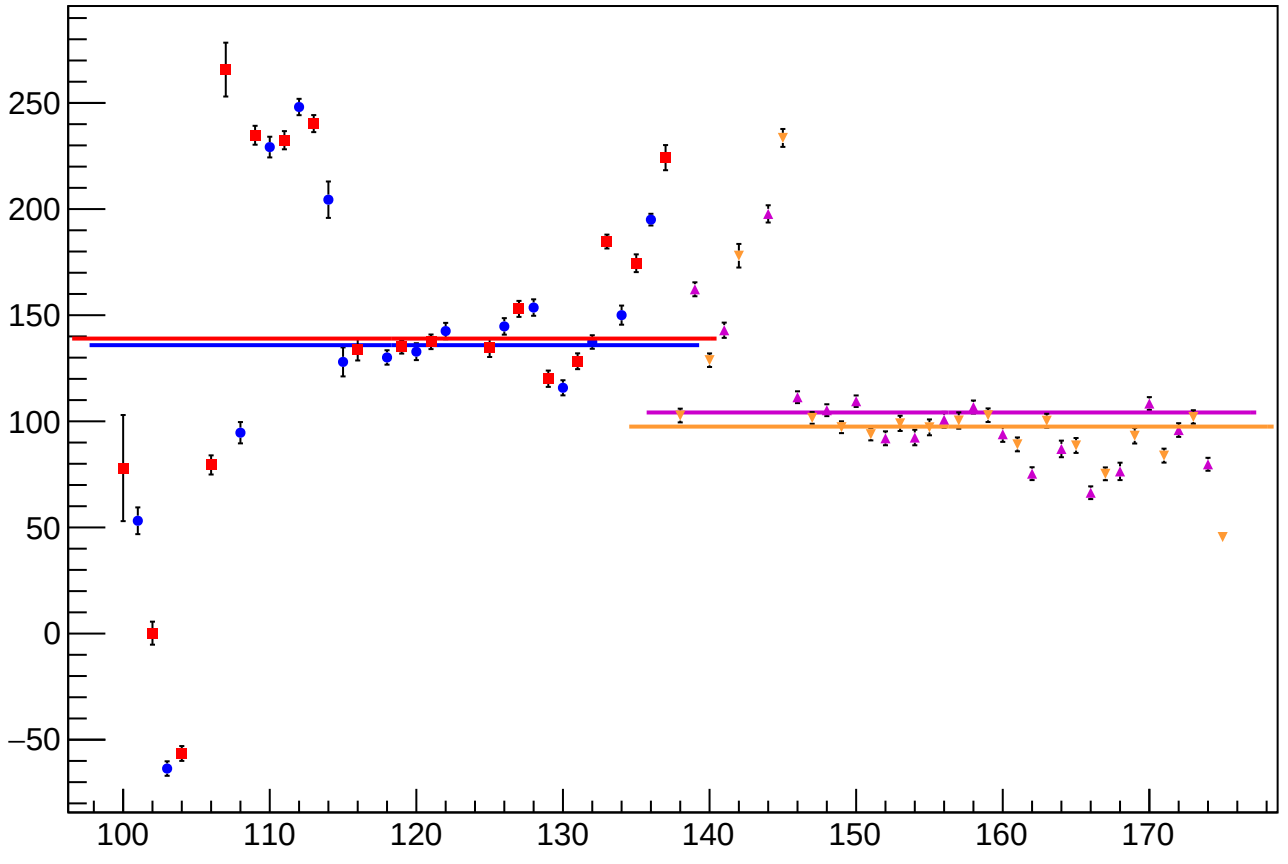
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.731+/-0.548 χ^2/NDF:325.3/17

+ sign 15.541+/-0.454 χ^2/NDF: 1535.2/34

All: 16.425+/-0.326 χ^2/NDF: 2624.9/70

- sign 17.357+/-0.467 χ^2/NDF: 1082.0/35



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 97.516+/-0.744 χ^2/NDF:1955.0/18

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

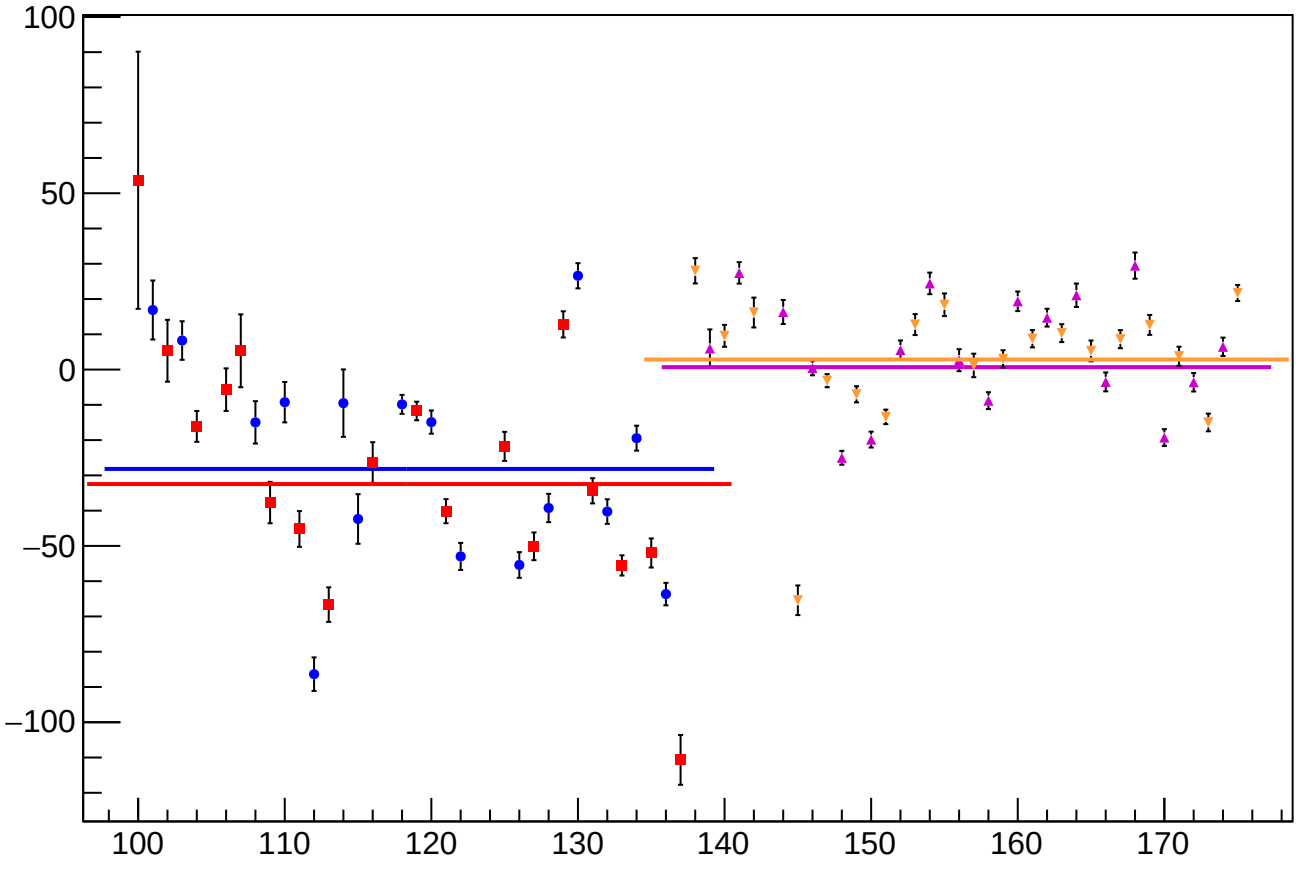
Left In: 104.165+/-0.766 χ^2/NDF:1388.9/17

+ sign 111.204+/-0.596 χ^2/NDF: 8368.3/34

All: 114.084+/-0.426 χ^2/NDF: 16726.7/70

- sign 117.075+/-0.608 χ^2/NDF: 8310.9/35

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 2.853+/-0.611 χ^2/NDF:604.9/18

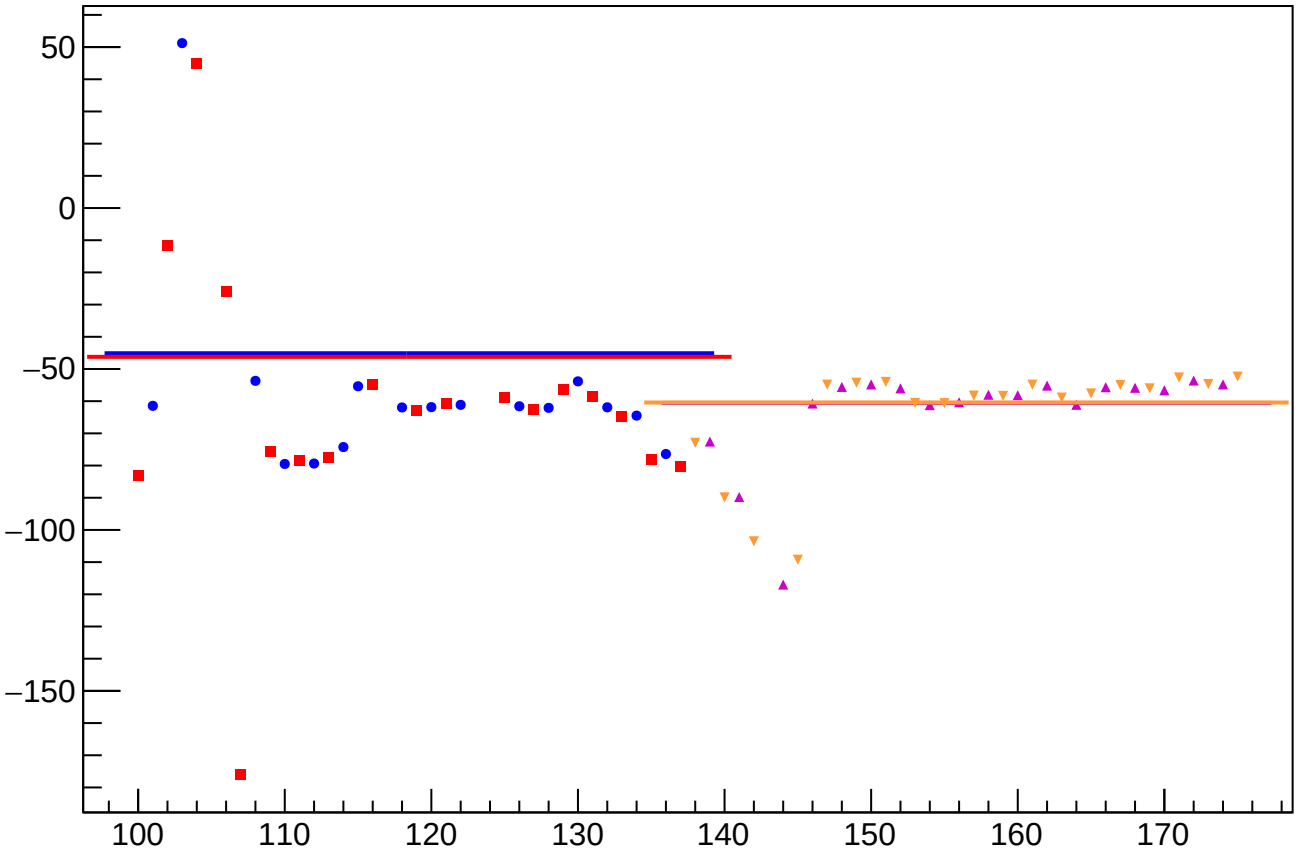
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 0.695+/-0.633 χ^2/NDF:688.2/17

+ sign -5.320+/-0.525 χ^2/NDF: 2074.7/34

All: -6.829+/-0.376 χ^2/NDF: 4115.9/70

- sign -8.420+/-0.539 χ^2/NDF: 2024.1/35



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -60.410+/-0.028 χ^2/NDF:202531.1/18

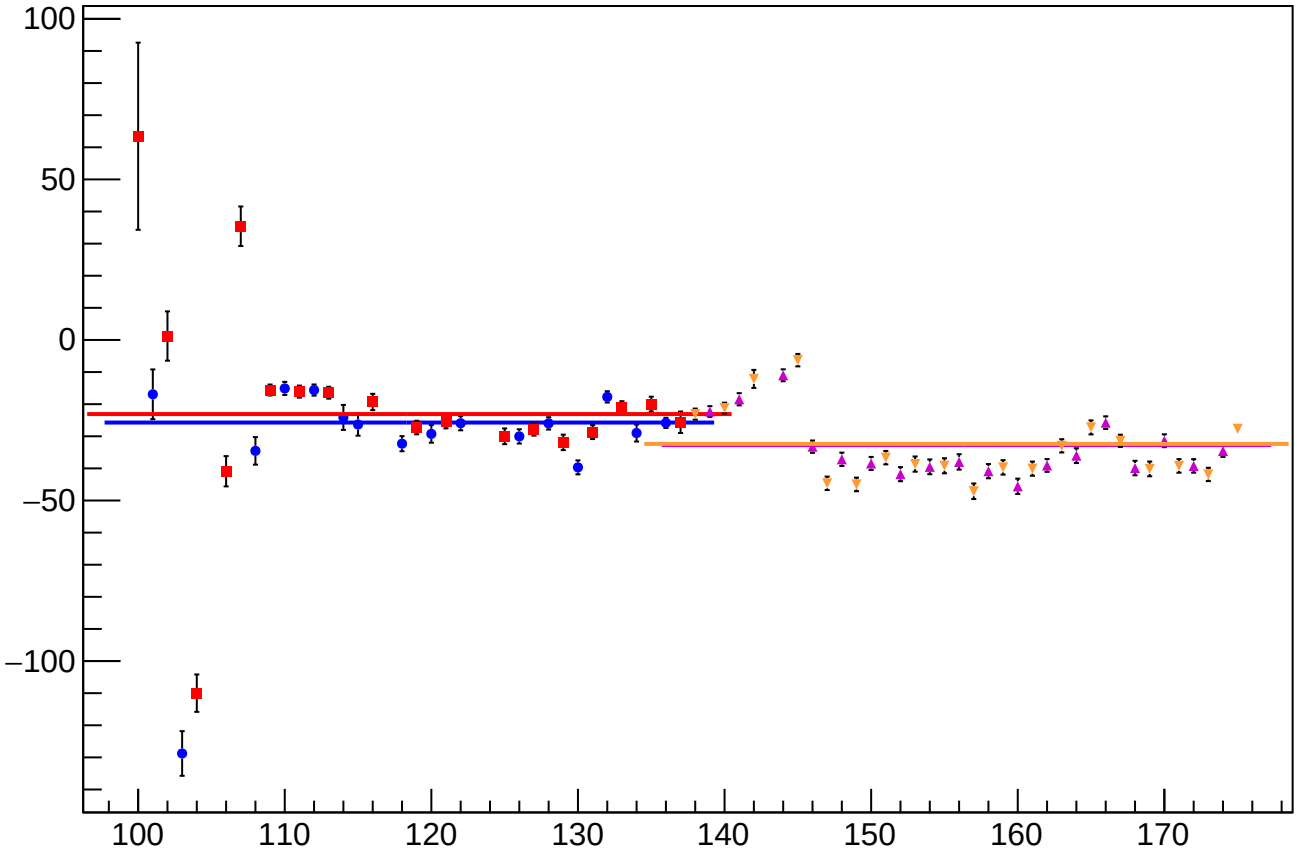
Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -60.542+/-0.028 χ^2/NDF:165972.9/17

+ sign -57.644+/-0.026 χ^2/NDF: 830783.4/34

All: -57.868+/-0.018 χ^2/NDF: 1533893.6/70

- sign -58.097+/-0.026 χ^2/NDF: 702955.6/35



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -32.373+/-0.473 χ^2/NDF:512.7/18

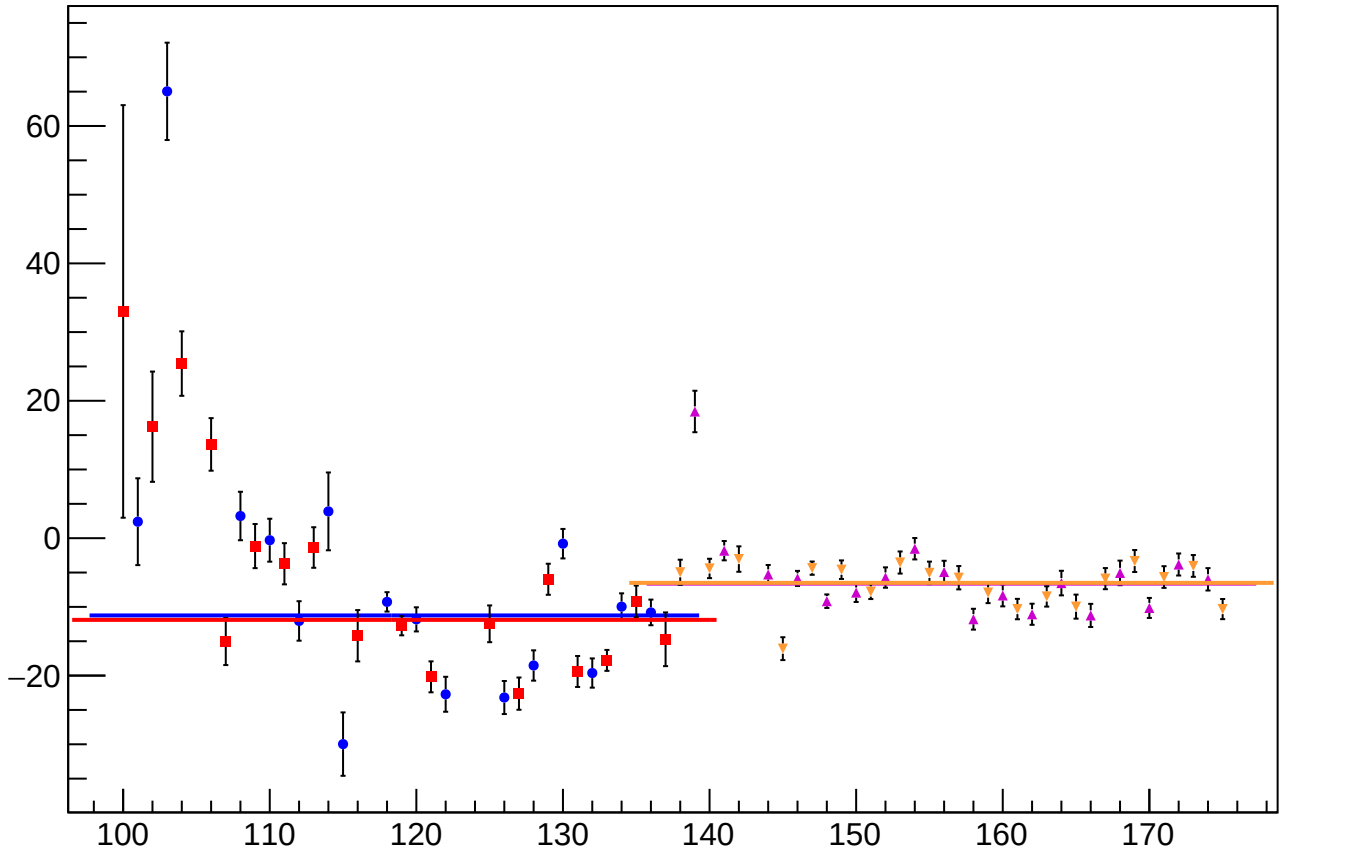
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.737+/-0.484 χ^2/NDF:362.5/17

+ sign -29.772+/-0.369 χ^2/NDF: 953.0/34

All: -29.284+/-0.262 χ^2/NDF: 1919.0/70

- sign -28.788+/-0.372 χ^2/NDF: 962.5/35



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.504+/-0.338 χ^2/NDF:78.9/18

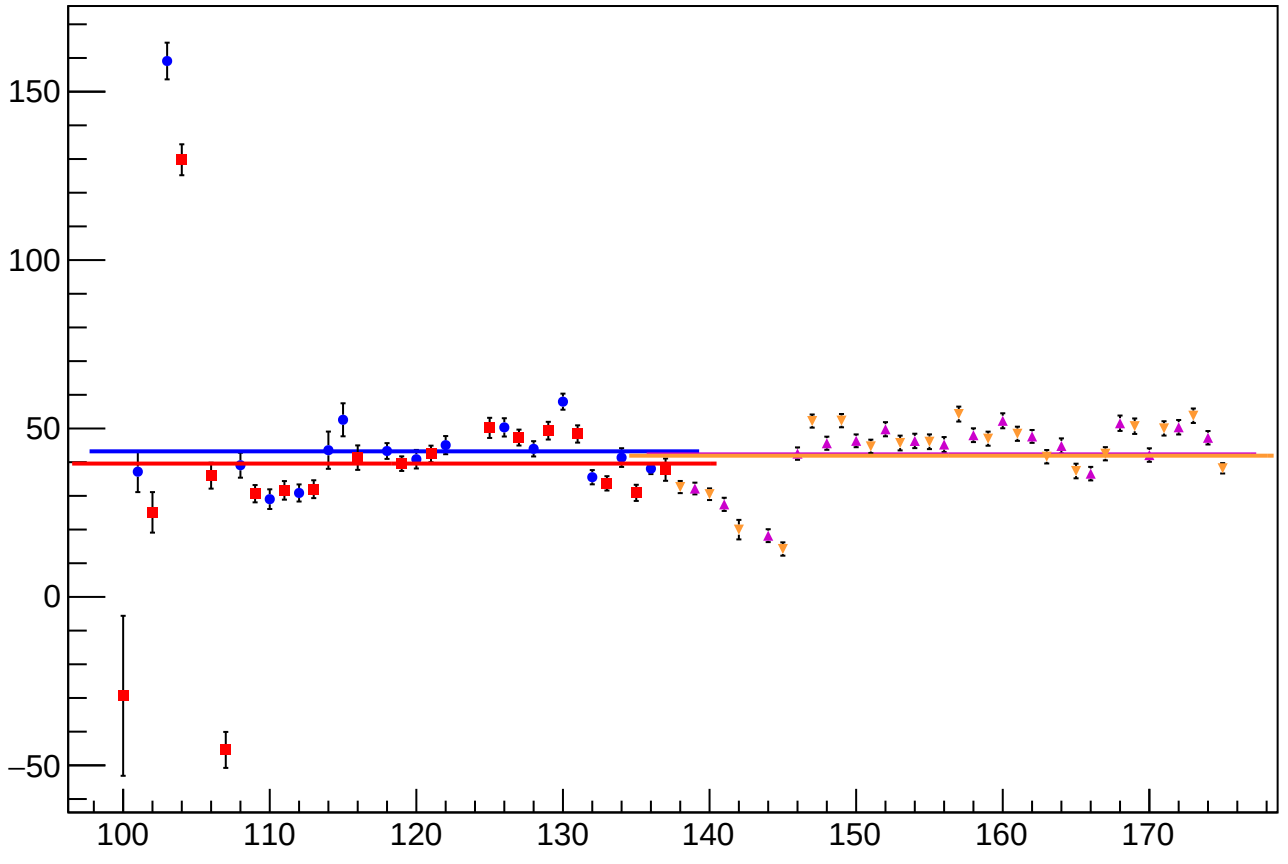
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.611+/-0.348 χ^2/NDF:140.4/17

\+ sign -7.645+/-0.294 χ^2/NDF: 397.5/34

All: -7.777+/-0.211 χ^2/NDF: 819.7/70

\- sign -7.917+/-0.302 χ^2/NDF: 421.8/35



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 41.930+/-0.465 χ^2/NDF:503.4/18

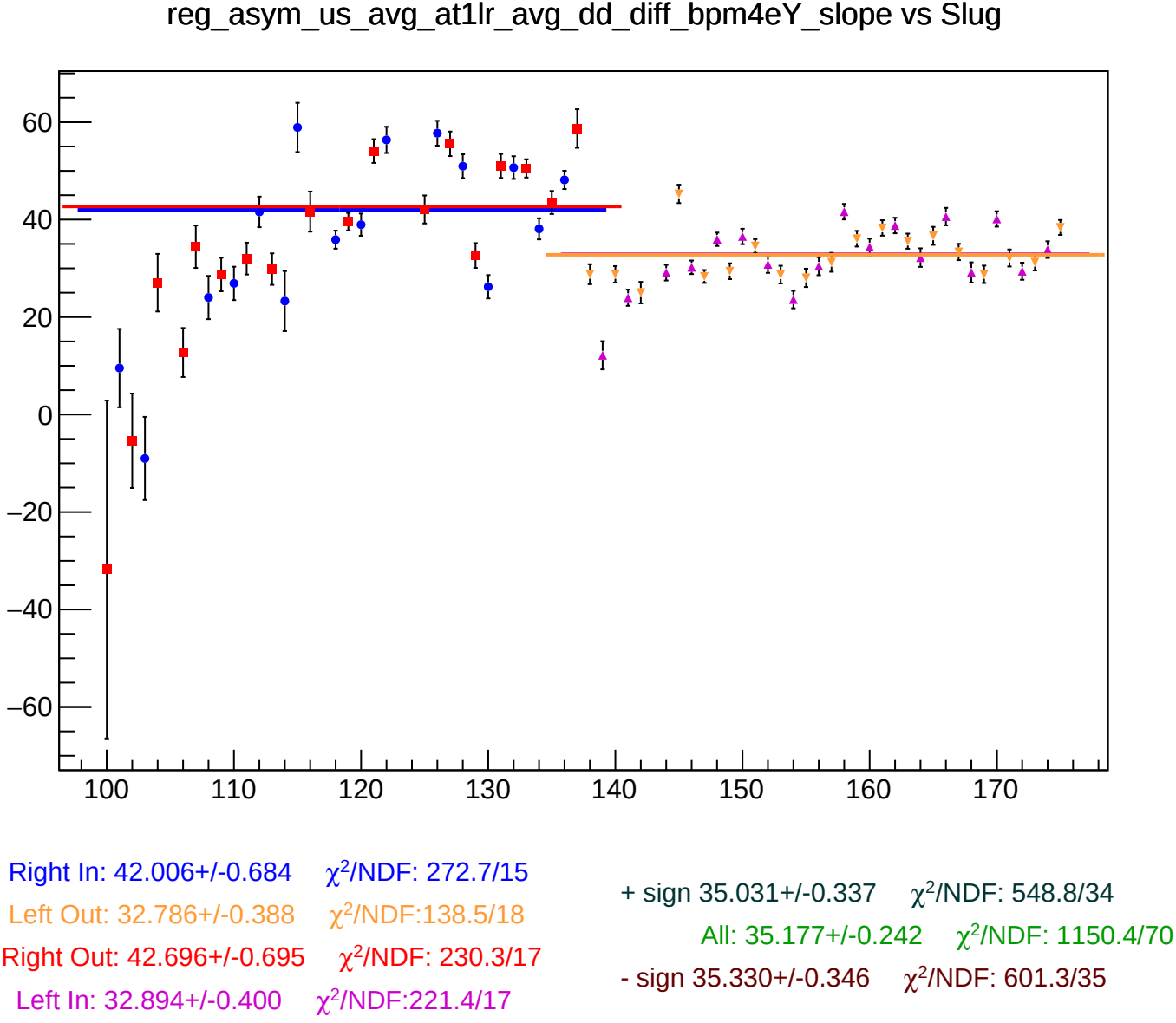
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

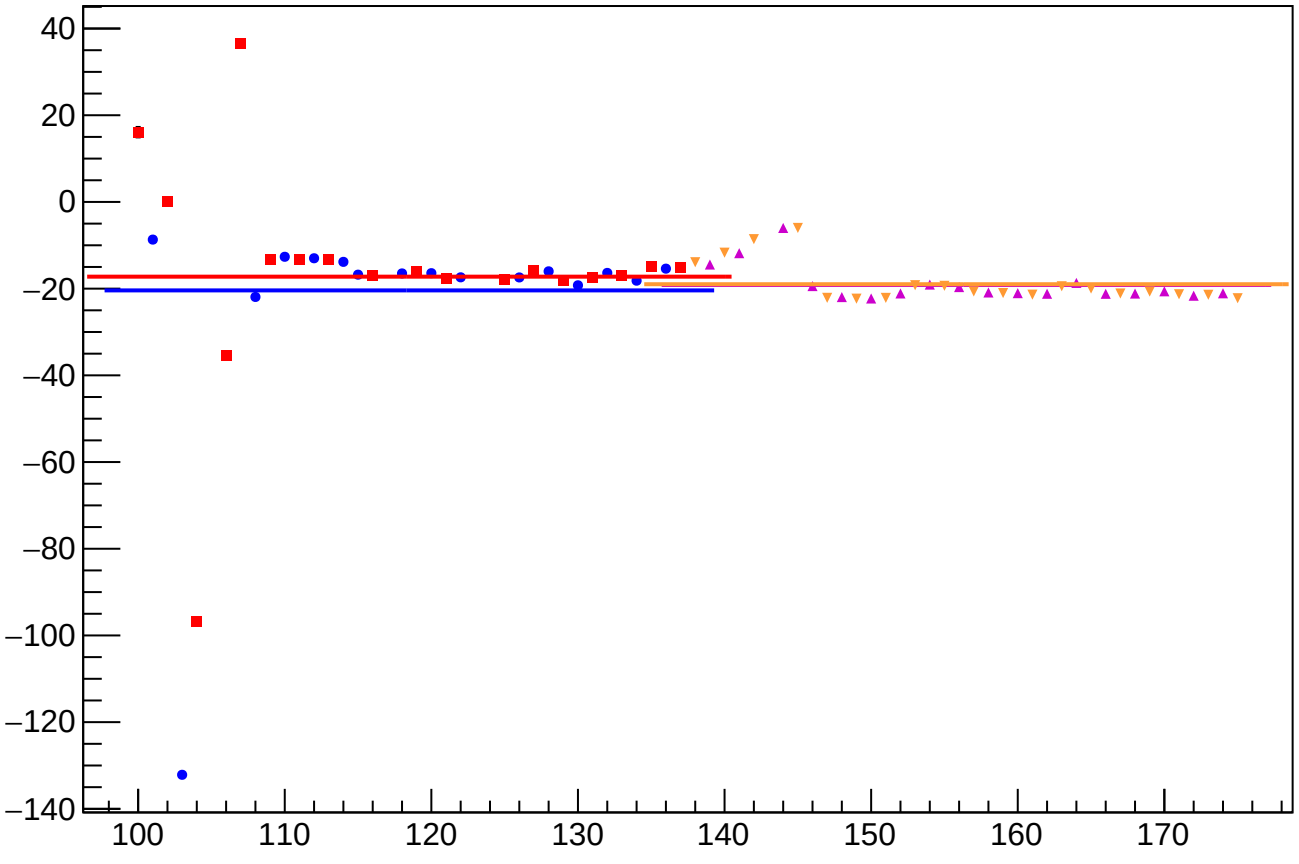
Left In: 42.317+/-0.476 χ^2/NDF:357.1/17

+ sign 42.343+/-0.383 χ^2/NDF: 1081.9/34

All: 41.894+/-0.274 χ^2/NDF: 2206.5/70

- sign 41.428+/-0.391 χ^2/NDF: 1121.8/35


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: 32.786+/-0.388 χ²/NDF:138.5/18
Right Out: 42.696+/-0.695 χ²/NDF: 230.3/17
Left In: 32.894+/-0.400 χ²/NDF:221.4/17
+ sign 35.031+/-0.337 χ²/NDF: 548.8/34
All: 35.177+/-0.242 χ²/NDF: 1150.4/70
- sign 35.330+/-0.346 χ²/NDF: 601.3/35



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -18.980+/-0.018 χ^2/NDF:62162.3/18

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

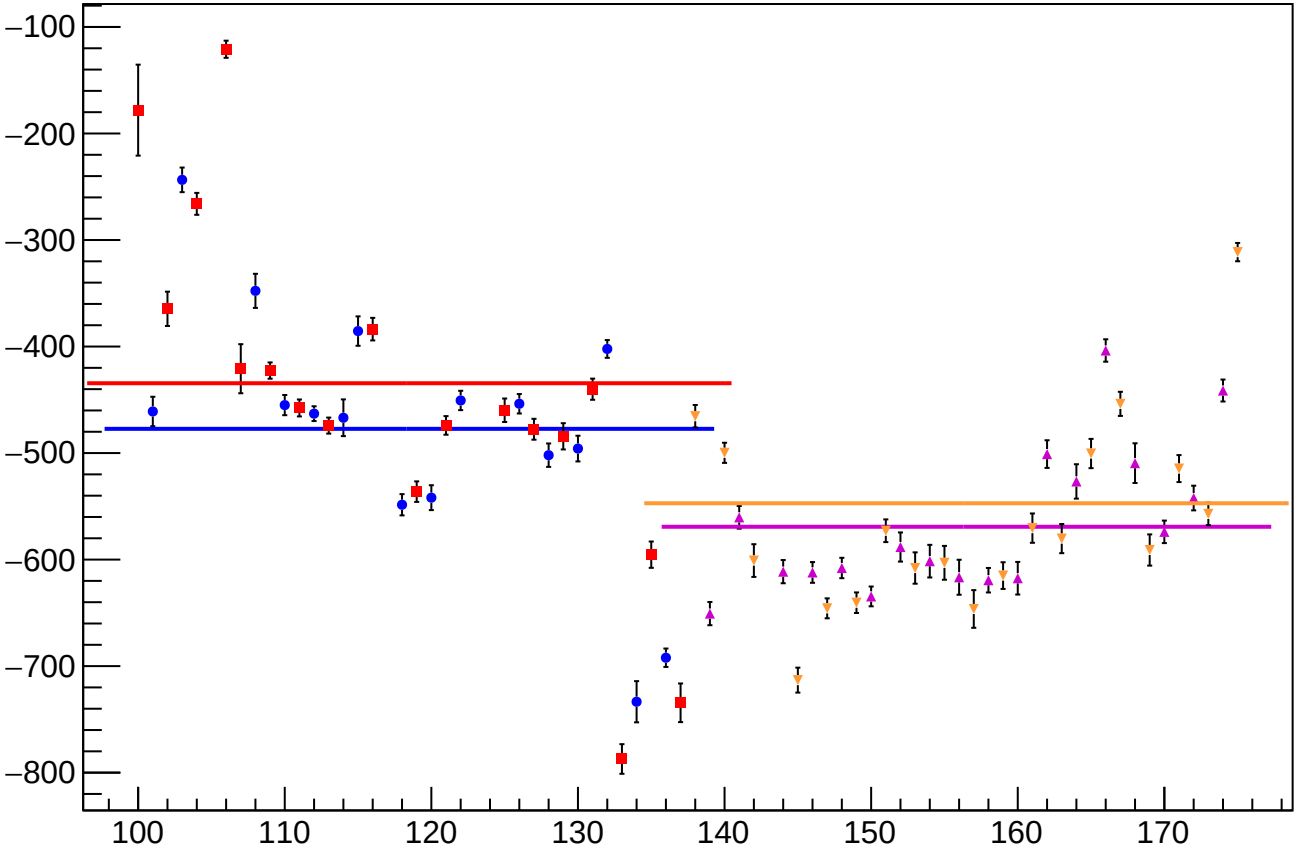
Left In: -19.162+/-0.018 χ^2/NDF:47150.0/17

+ sign -19.193+/-0.016 χ^2/NDF: 308757.3/34

All: -19.046+/-0.012 χ^2/NDF: 562375.2/70

- sign -18.896+/-0.016 χ^2/NDF: 253451.7/35

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -547.122+/-2.692 χ^2/NDF:1457.0/18

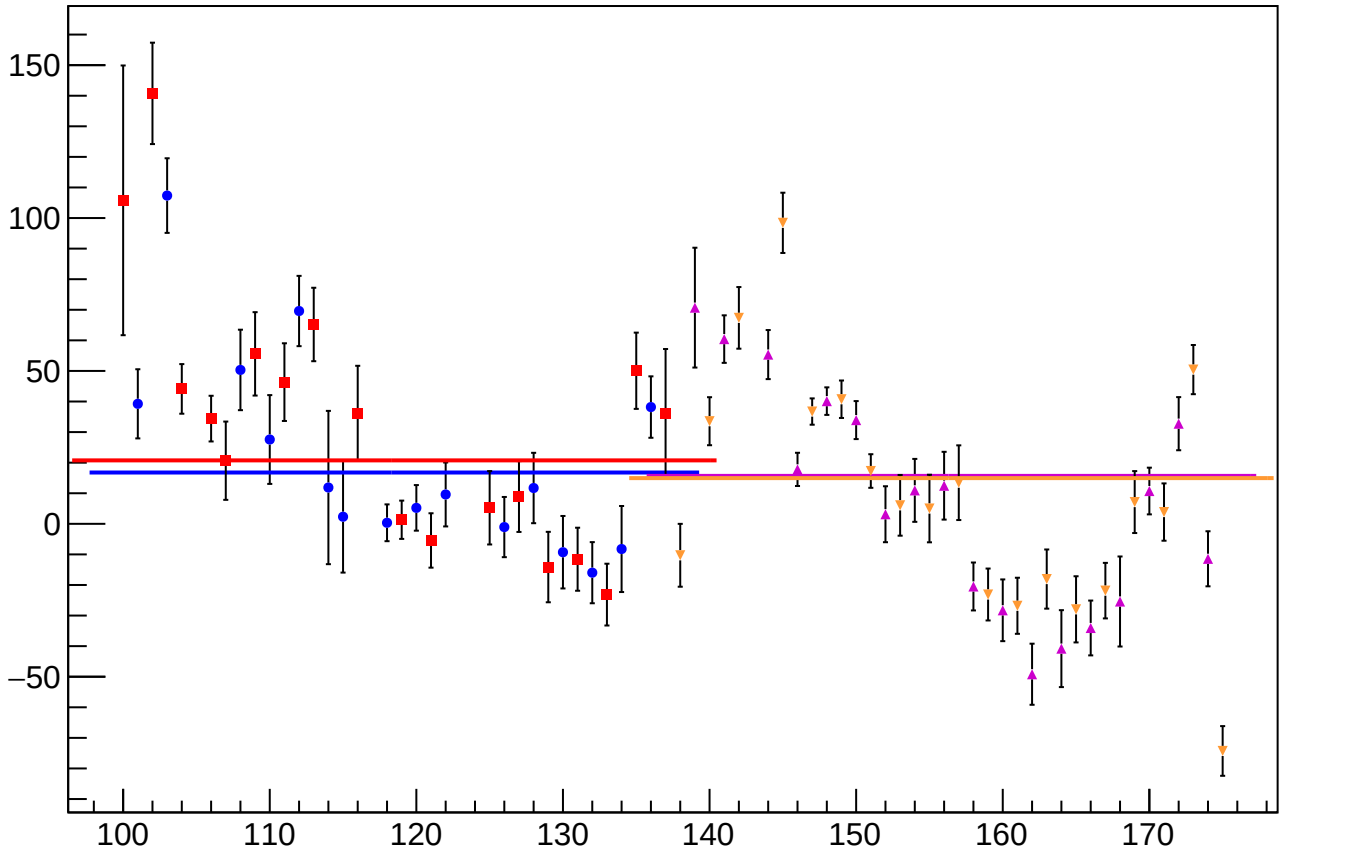
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -569.182+/-2.759 χ^2/NDF:652.2/17

+ sign -511.411+/-1.882 χ^2/NDF: 3312.0/34

All: -502.609+/-1.315 χ^2/NDF: 8495.8/70

- sign -494.221+/-1.838 χ^2/NDF: 5141.1/35



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 14.951+/-1.846 χ^2/NDF:382.3/18

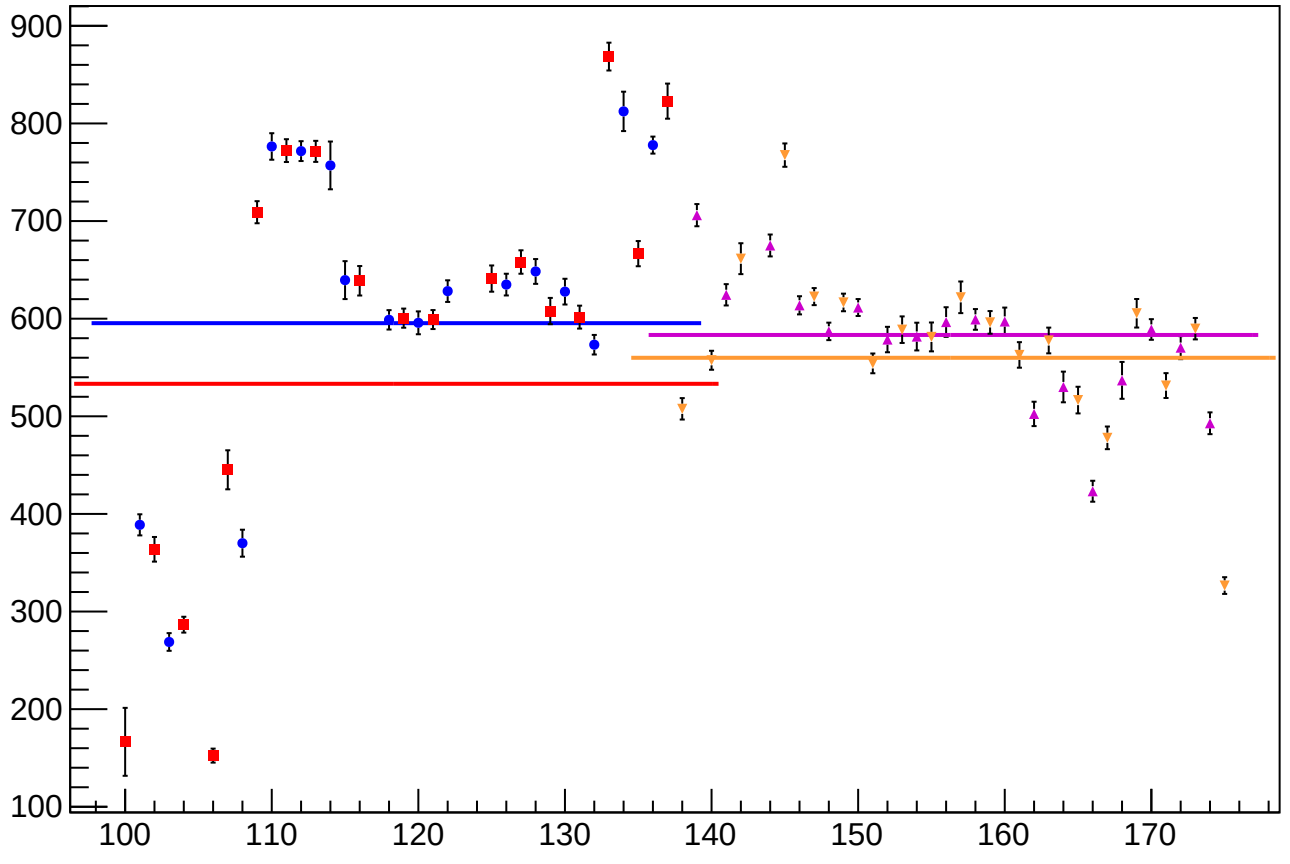
Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 15.676+/-1.905 χ^2/NDF:260.4/17

\+ sign 15.547+/-1.515 χ^2/NDF: 507.6/34

All: 16.514+/-1.075 χ^2/NDF: 929.3/70

\- sign 17.495+/-1.526 χ^2/NDF: 420.9/35



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 559.944+/-2.641 χ^2/NDF:1313.1/18

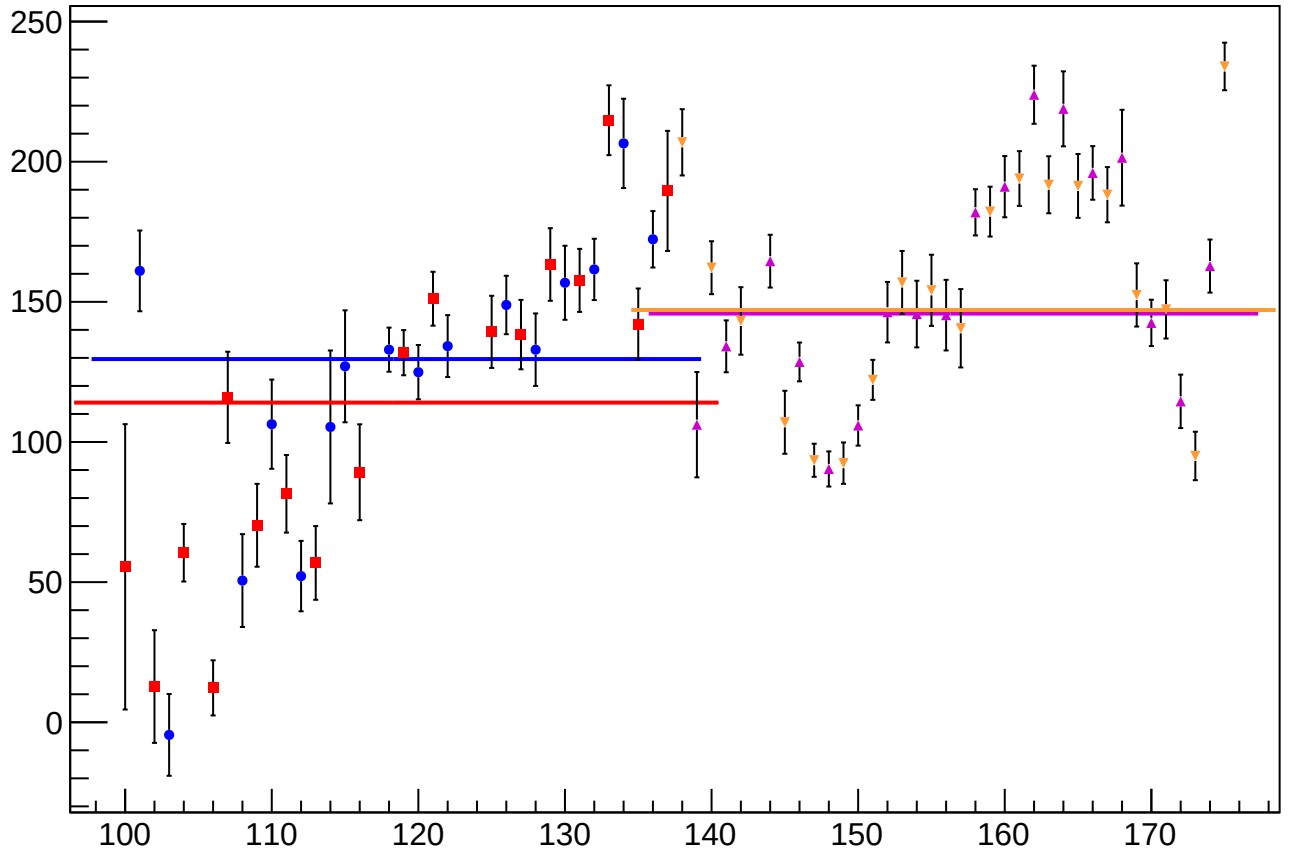
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 583.325+/-2.707 χ^2/NDF:572.3/17

+ sign 575.840+/-1.961 χ^2/NDF: 4453.7/34

All: 567.104+/-1.375 χ^2/NDF: 11736.3/70

- sign 558.666+/-1.928 χ^2/NDF: 7243.6/35



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 147.083+/-2.160 χ^2/NDF:423.6/18

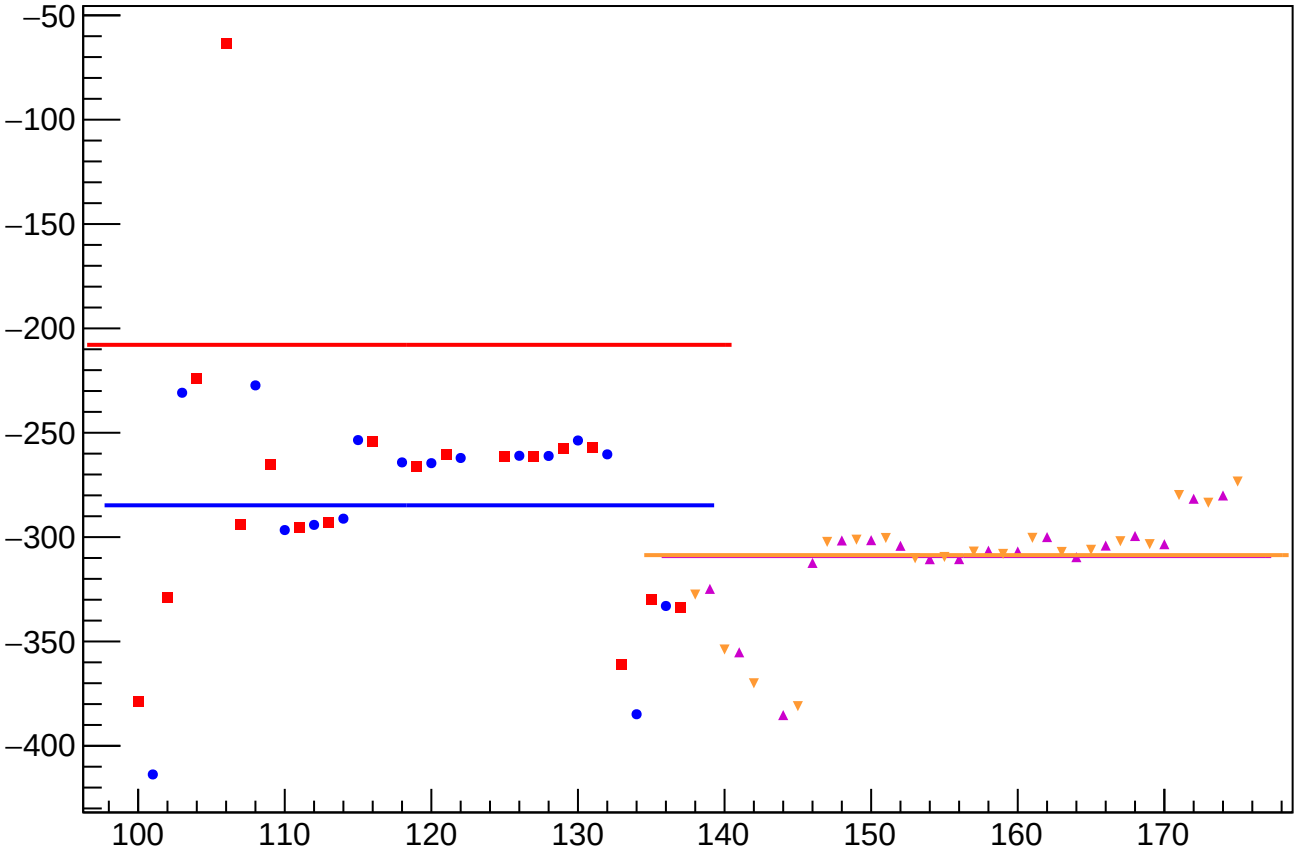
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 145.814+/-2.222 χ^2/NDF:300.4/17

+ sign 141.316+/-1.769 χ^2/NDF: 656.4/34

All: 137.903+/-1.255 χ^2/NDF: 1373.4/70

- sign 134.444+/-1.781 χ^2/NDF: 709.5/35



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -308.627+/-0.102 χ^2/NDF:63303.9/18

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

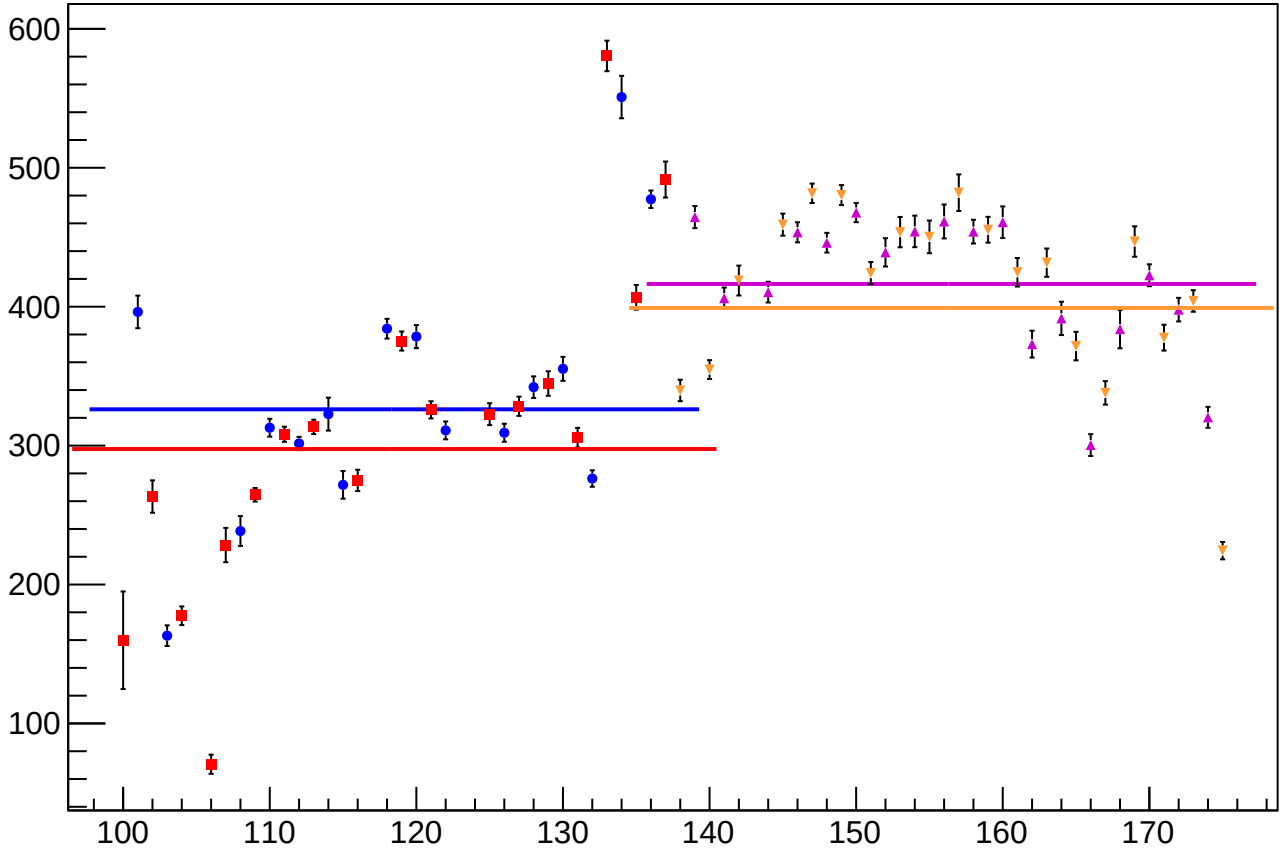
Left In: -309.090+/-0.102 χ^2/NDF:47310.0/17

+ sign -302.706+/-0.088 χ^2/NDF: 181254.6/34

All: -289.104+/-0.061 χ^2/NDF: 1125288.2/70

- sign -276.822+/-0.084 χ^2/NDF: 899023.2/35

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 399.121+/-1.974 χ^2/NDF:1440.7/18

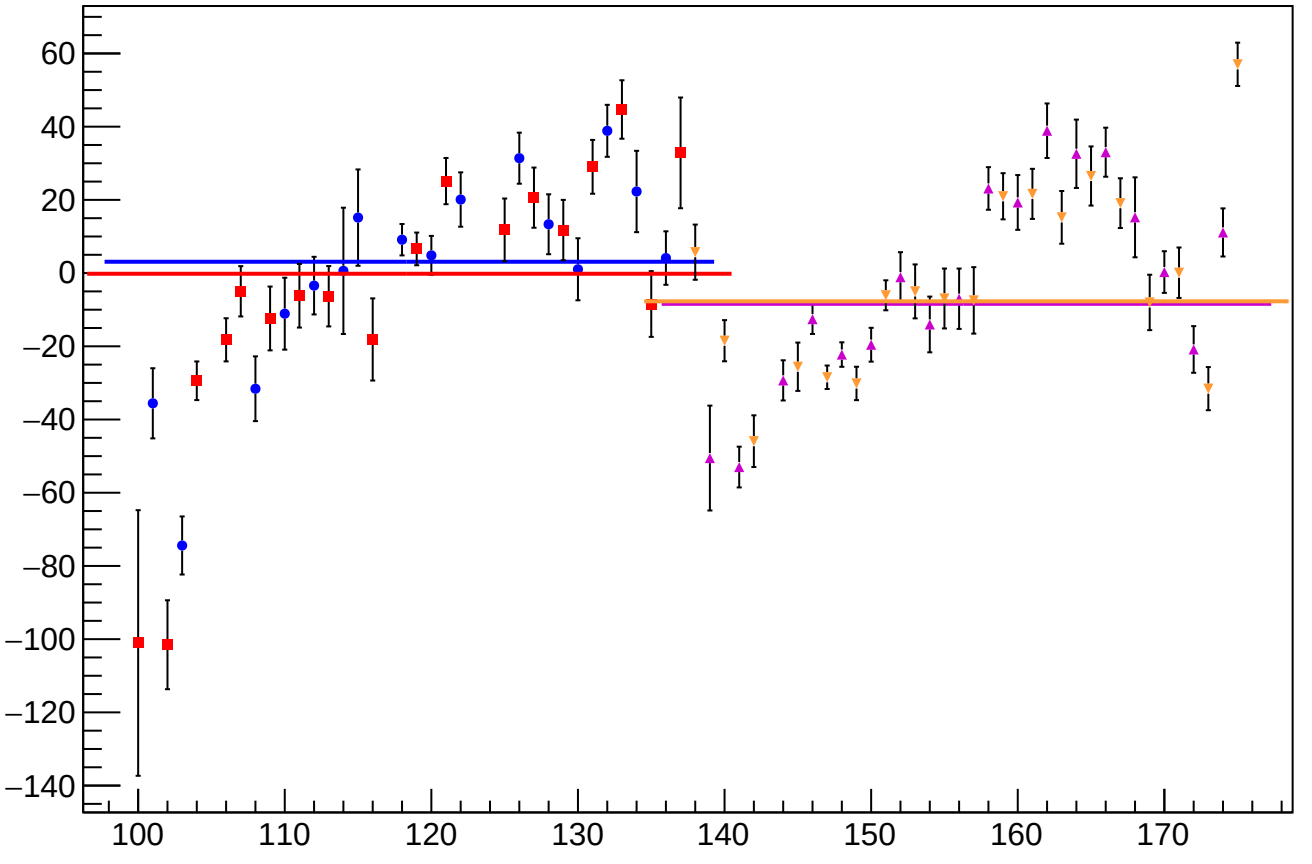
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 416.379+/-2.028 χ^2/NDF:618.4/17

+ sign 360.388+/-1.353 χ^2/NDF: 3808.8/34

All: 353.911+/-0.944 χ^2/NDF: 9231.0/70

- sign 347.762+/-1.318 χ^2/NDF: 5377.5/35



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -7.704+/-1.359 χ^2/NDF:330.1/18

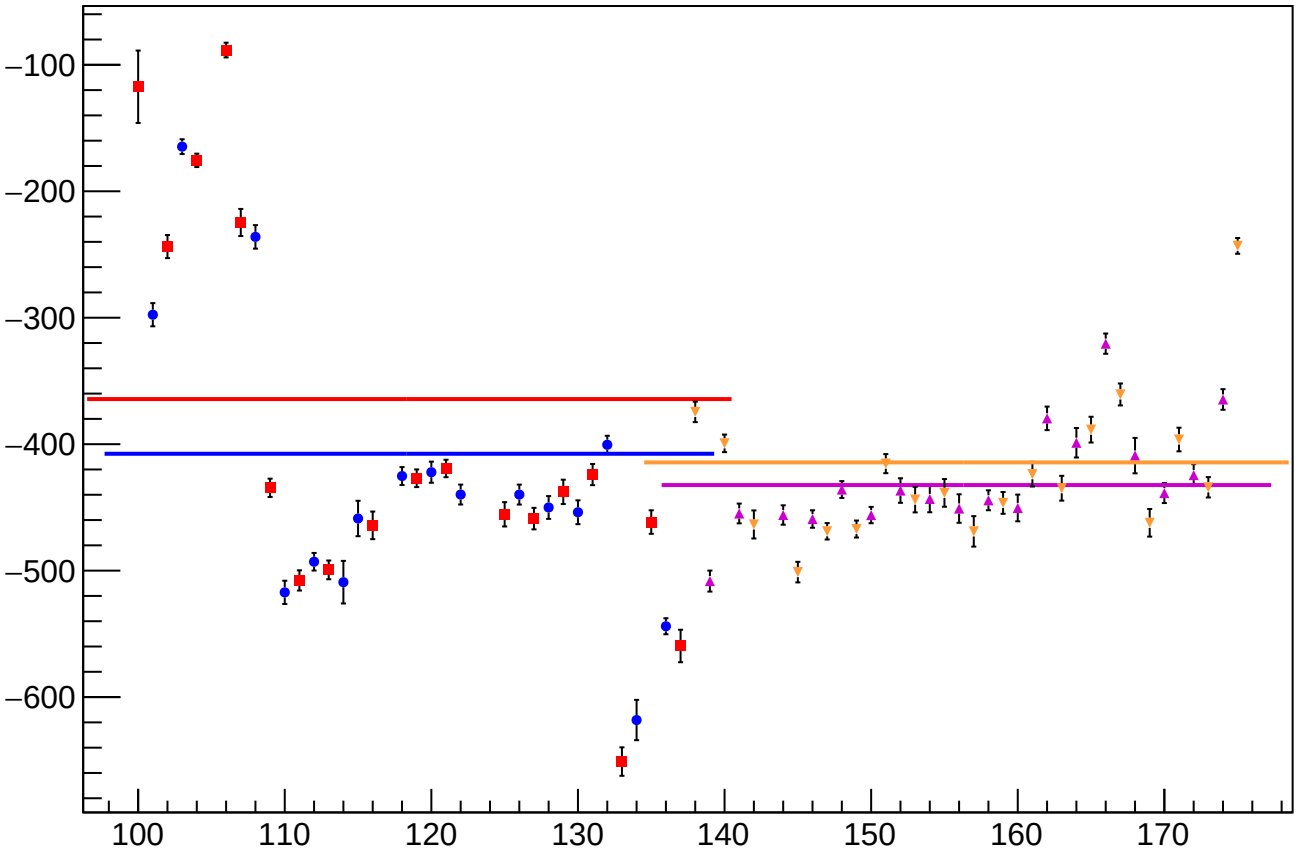
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -8.390+/-1.404 χ^2/NDF:273.6/17

+ sign -4.027+/-1.104 χ^2/NDF: 536.1/34

All: -4.646+/-0.781 χ^2/NDF: 1028.6/70

- sign -5.266+/-1.105 χ^2/NDF: 491.8/35



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -414.417+/-1.939 χ^2/NDF:1173.9/18

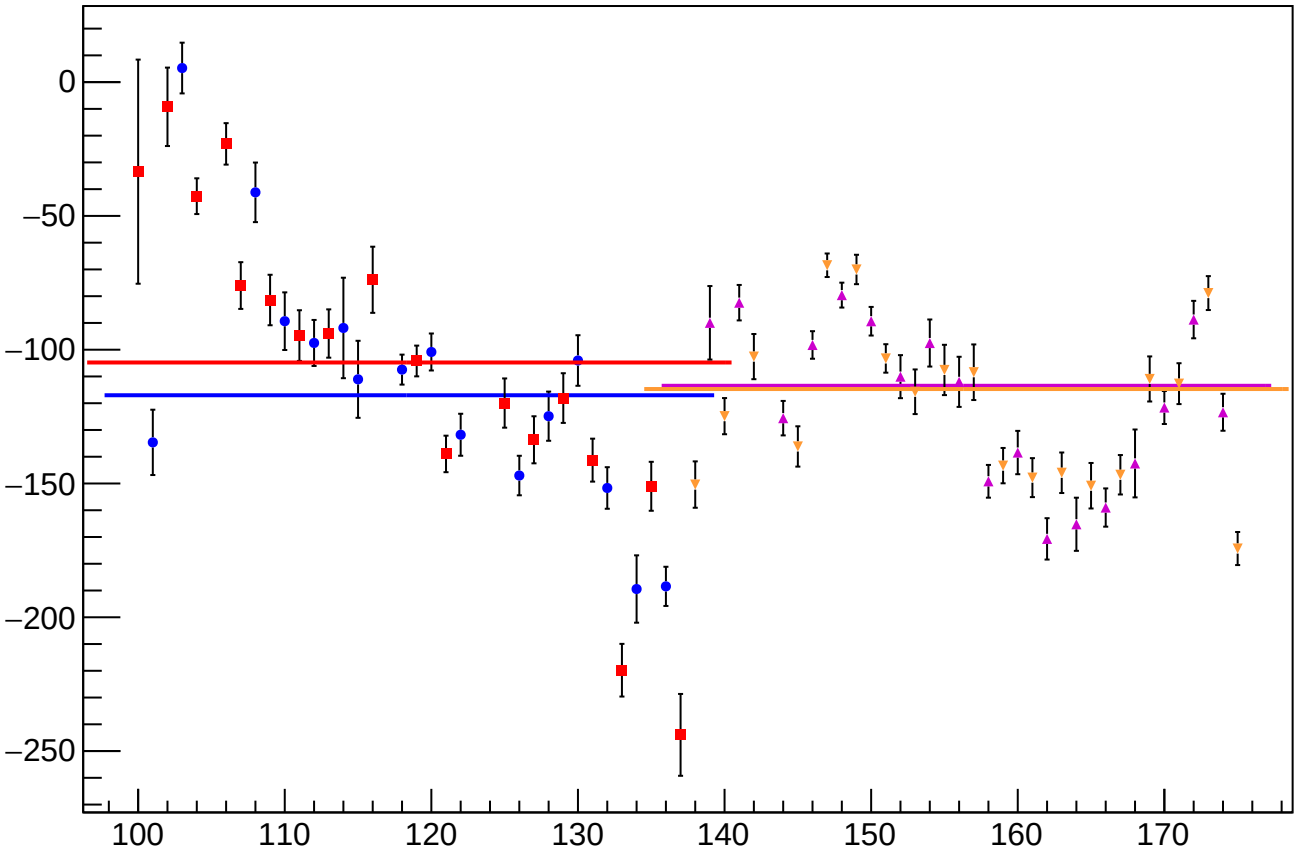
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -432.324+/-1.991 χ^2/NDF:447.9/17

\+ sign -411.225+/-1.416 χ^2/NDF: 4460.3/34

All: -404.225+/-0.992 χ^2/NDF: 11774.1/70

\- sign -397.478+/-1.390 χ^2/NDF: 7265.9/35



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -114.698+/-1.590 χ^2/NDF:430.6/18

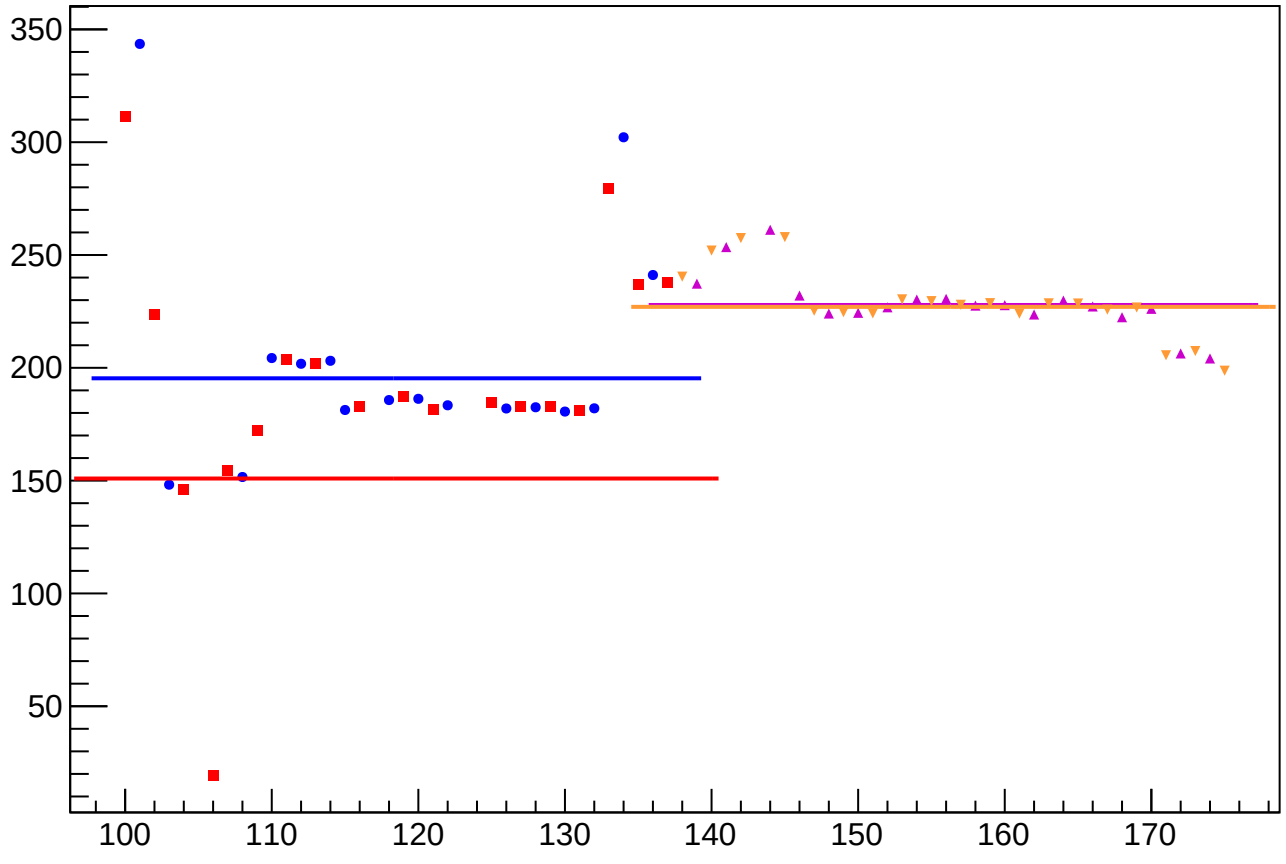
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -113.490+/-1.637 χ^2/NDF:301.6/17

+ sign -115.498+/-1.287 χ^2/NDF: 839.2/34

All: -112.842+/-0.911 χ^2/NDF: 1735.2/70

- sign -110.179+/-1.289 χ^2/NDF: 887.5/35



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 227.019+/-0.075 χ^2/NDF:41302.1/18

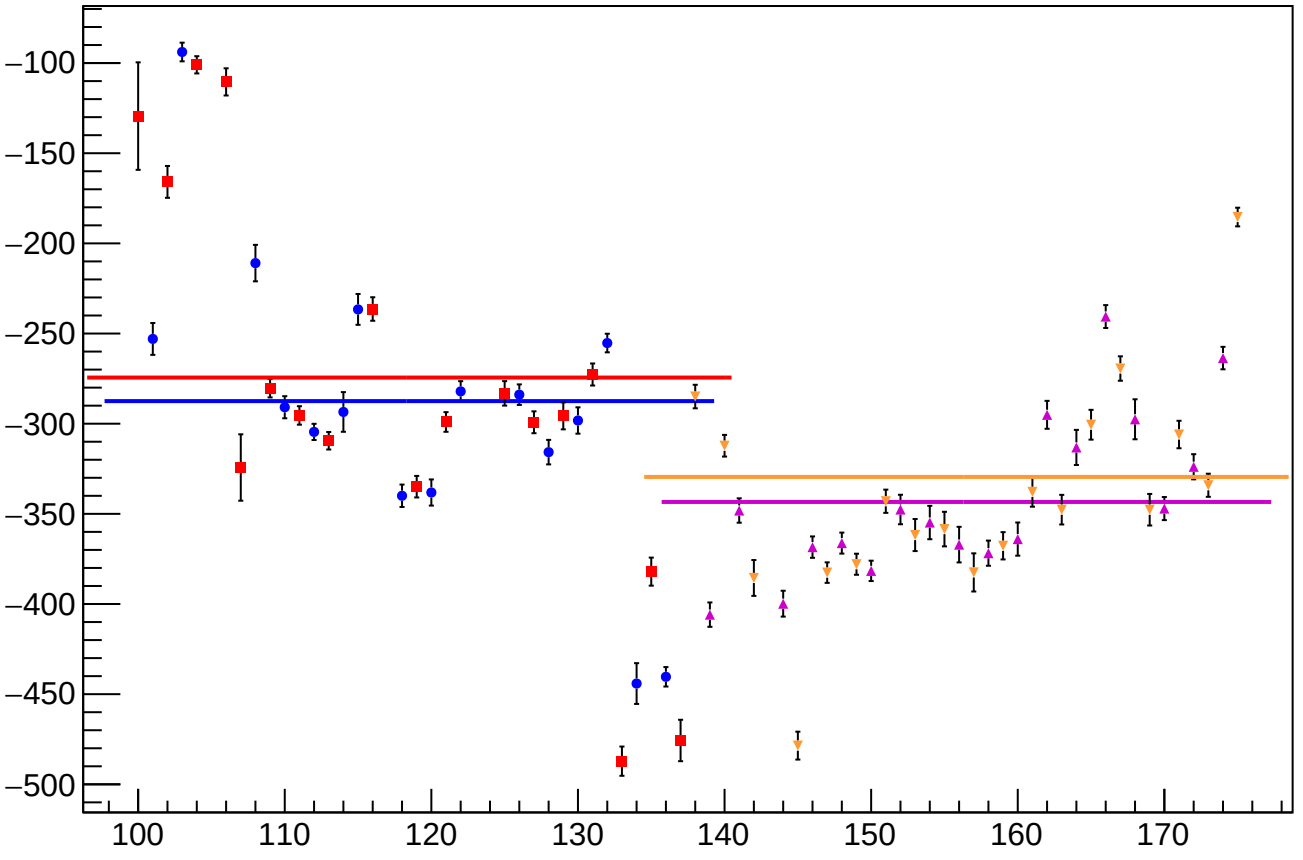
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 227.850+/-0.075 χ^2/NDF:30000.6/17

+ sign 218.597+/-0.064 χ^2/NDF: 265672.0/34

All: 210.769+/-0.045 χ^2/NDF: 1156572.8/70

- sign 203.480+/-0.062 χ^2/NDF: 862250.4/35



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -329.520+/-1.643 χ^2/NDF:1577.2/18

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

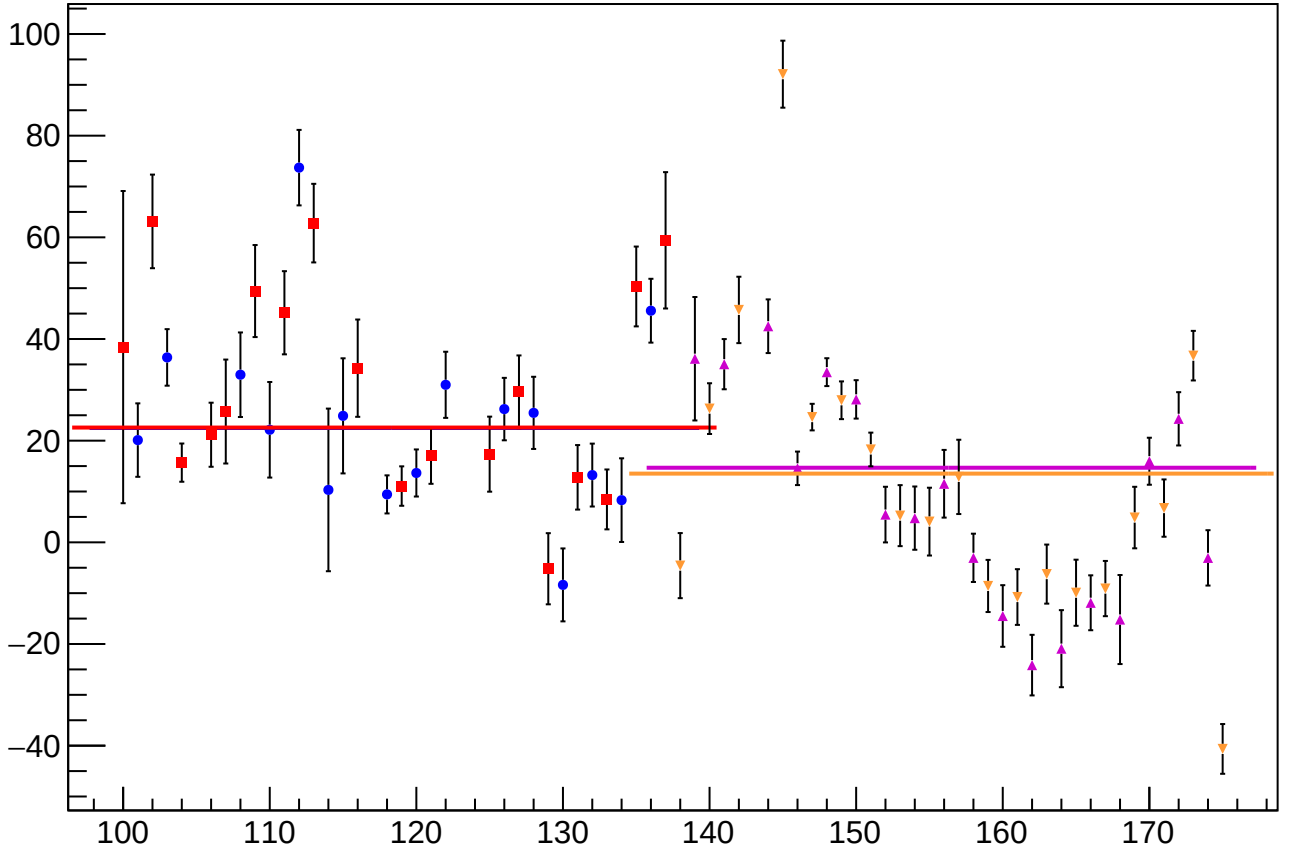
Left In: -343.396+/-1.684 χ^2/NDF:756.6/17

+ sign -308.085+/-1.150 χ^2/NDF: 4607.5/34

All: -307.078+/-0.810 χ^2/NDF: 9686.7/70

- sign -306.088+/-1.141 χ^2/NDF: 5077.7/35

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 13.519+/-1.124 χ^2/NDF:448.8/18

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

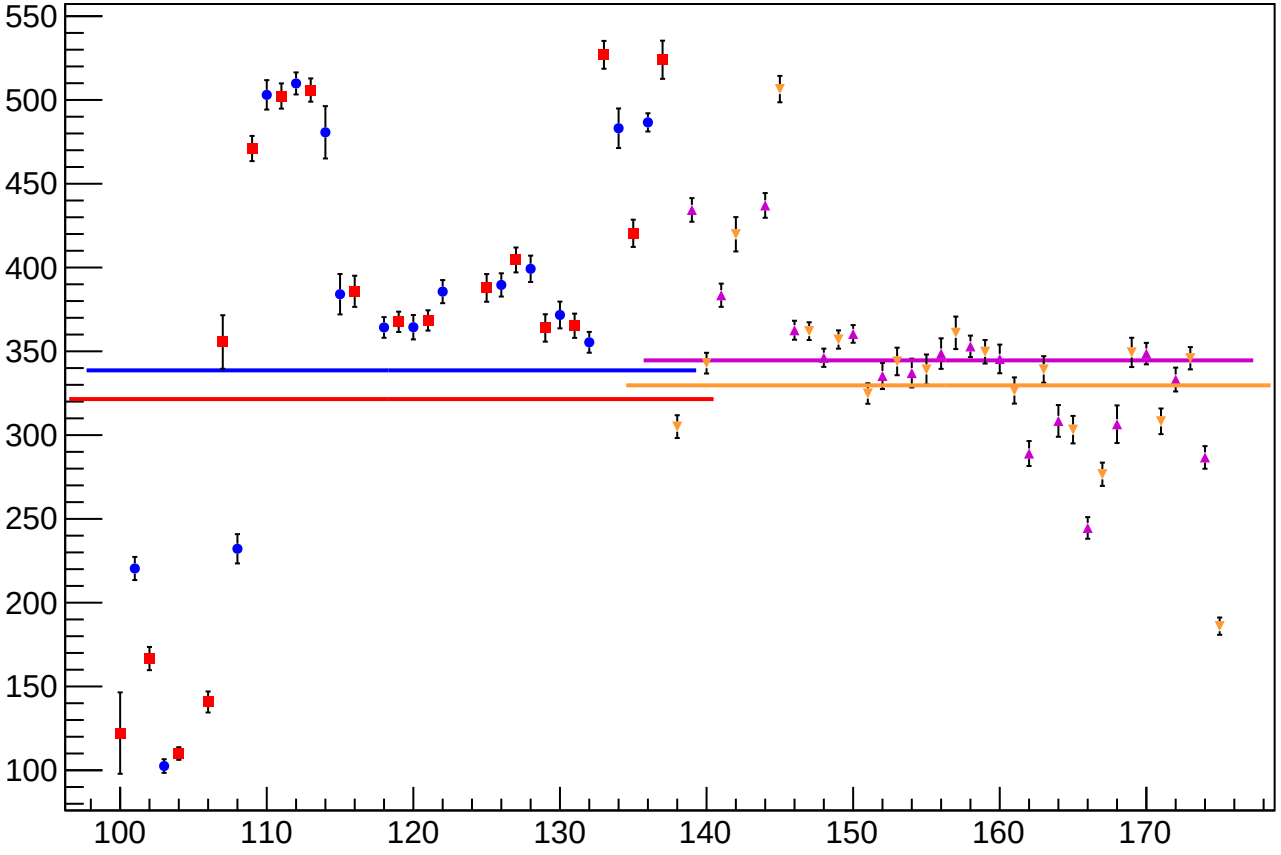
Left In: 14.675+/-1.161 χ^2/NDF:264.7/17

\+ sign 16.434+/-0.924 χ^2/NDF: 580.9/34

All: 16.946+/-0.657 χ^2/NDF: 986.0/70

\- sign 17.470+/-0.933 χ^2/NDF: 404.4/35

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 329.691+/-1.610 χ^2/NDF:1549.3/18

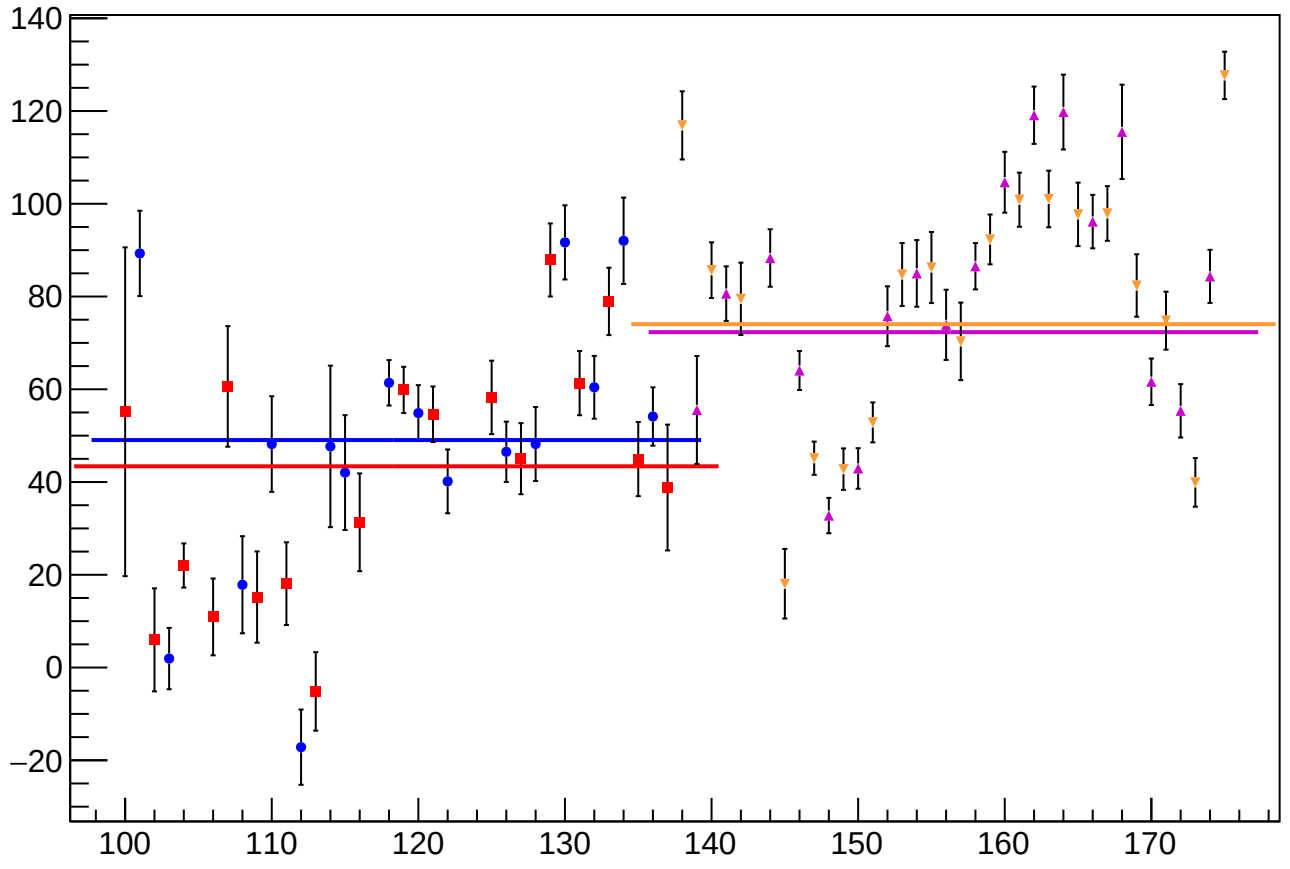
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 344.593+/-1.650 χ^2/NDF:771.1/17

+ sign 333.794+/-1.184 χ^2/NDF: 7606.1/34

All: 333.571+/-0.837 χ^2/NDF: 16193.3/70

- sign 333.349+/-1.182 χ^2/NDF: 8587.2/35



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 74.033+/-1.315 χ^2/NDF:471.8/18

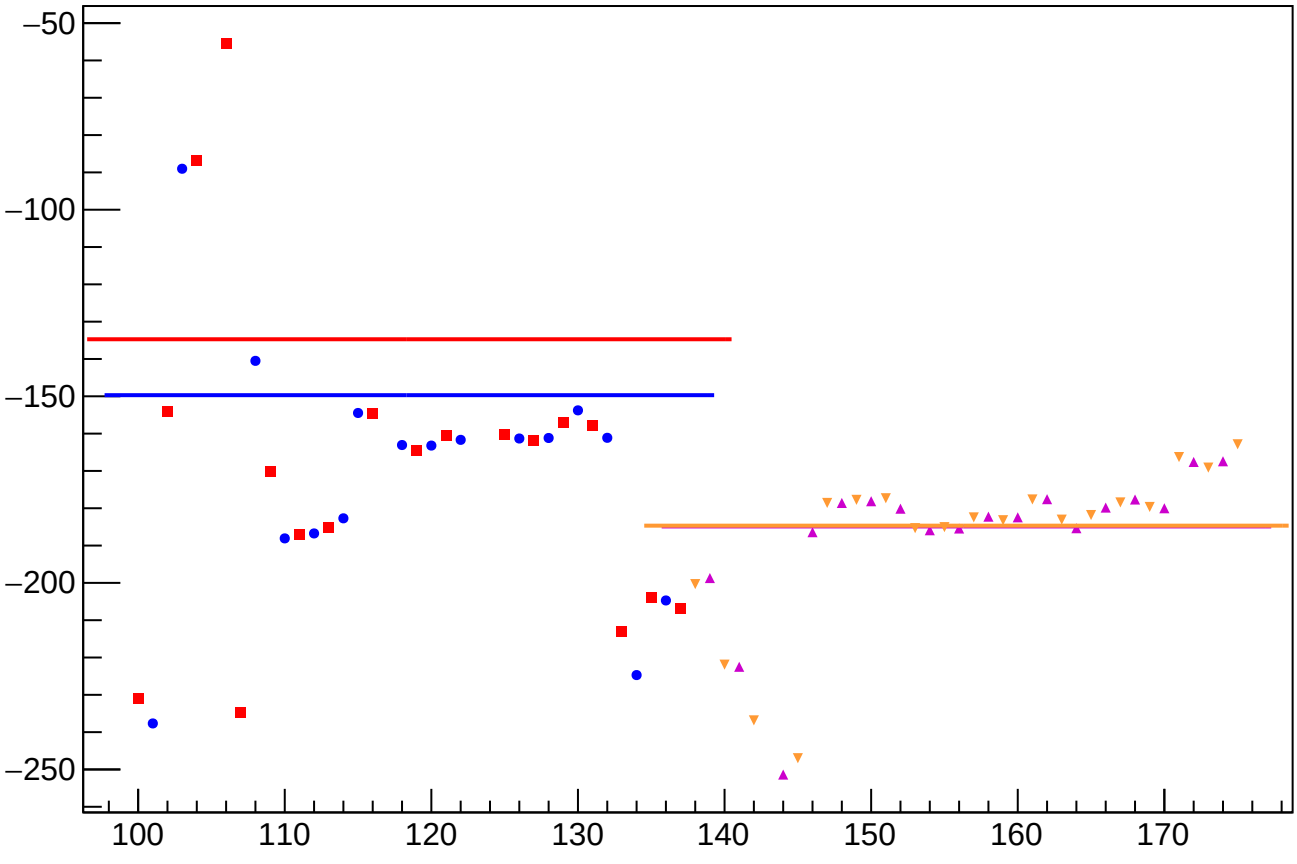
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 72.318+/-1.353 χ^2/NDF:347.8/17

+ sign 65.842+/-1.078 χ^2/NDF: 798.1/34

All: 63.999+/-0.766 χ^2/NDF: 1492.9/70

- sign 62.118+/-1.089 χ^2/NDF: 688.9/35



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -184.666+/-0.062 χ^2/NDF:98804.2/18

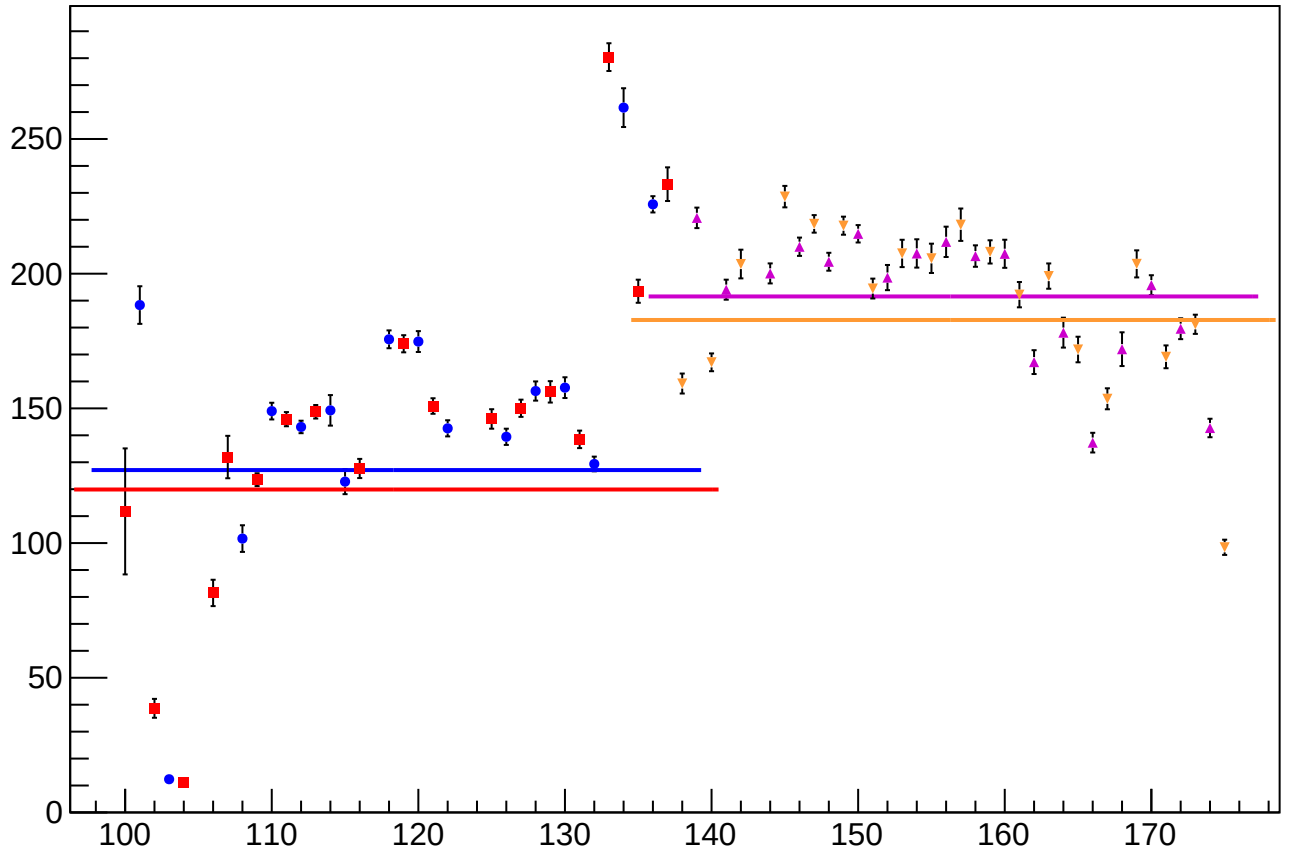
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -184.881+/-0.062 χ^2/NDF:75475.5/17

+ sign -175.060+/-0.053 χ^2/NDF: 442525.4/34

All: -172.675+/-0.037 χ^2/NDF: 1024657.0/70

- sign -170.346+/-0.052 χ^2/NDF: 578103.3/35



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 182.813+/-0.923 χ^2/NDF:1556.0/18

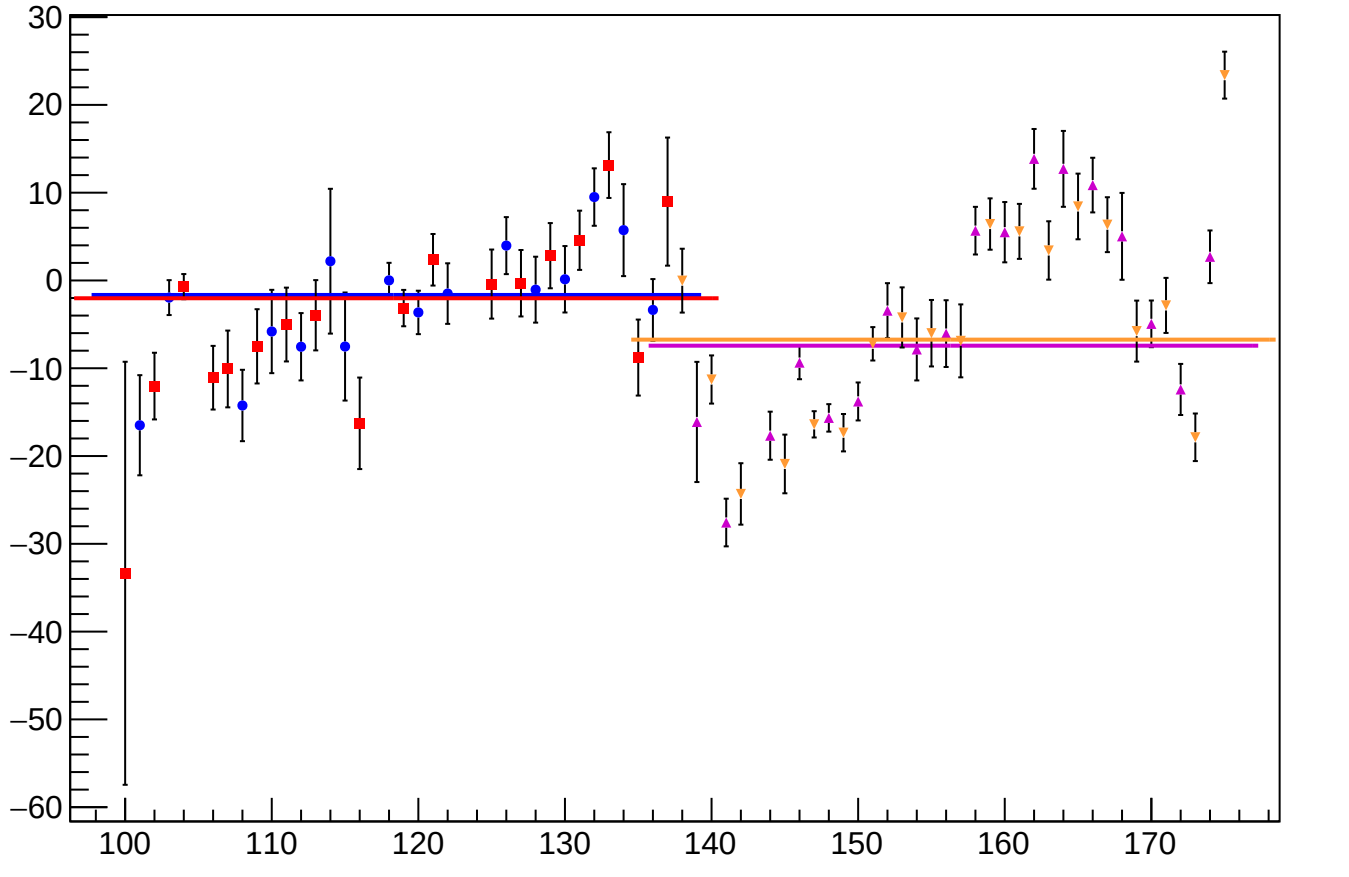
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 191.549+/-0.949 χ^2/NDF:688.8/17

+ sign 151.364+/-0.609 χ^2/NDF: 9775.5/34

All: 149.918+/-0.427 χ^2/NDF: 20547.7/70

- sign 148.514+/-0.600 χ^2/NDF: 10761.1/35



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -6.741+/-0.635 χ^2/NDF:340.9/18

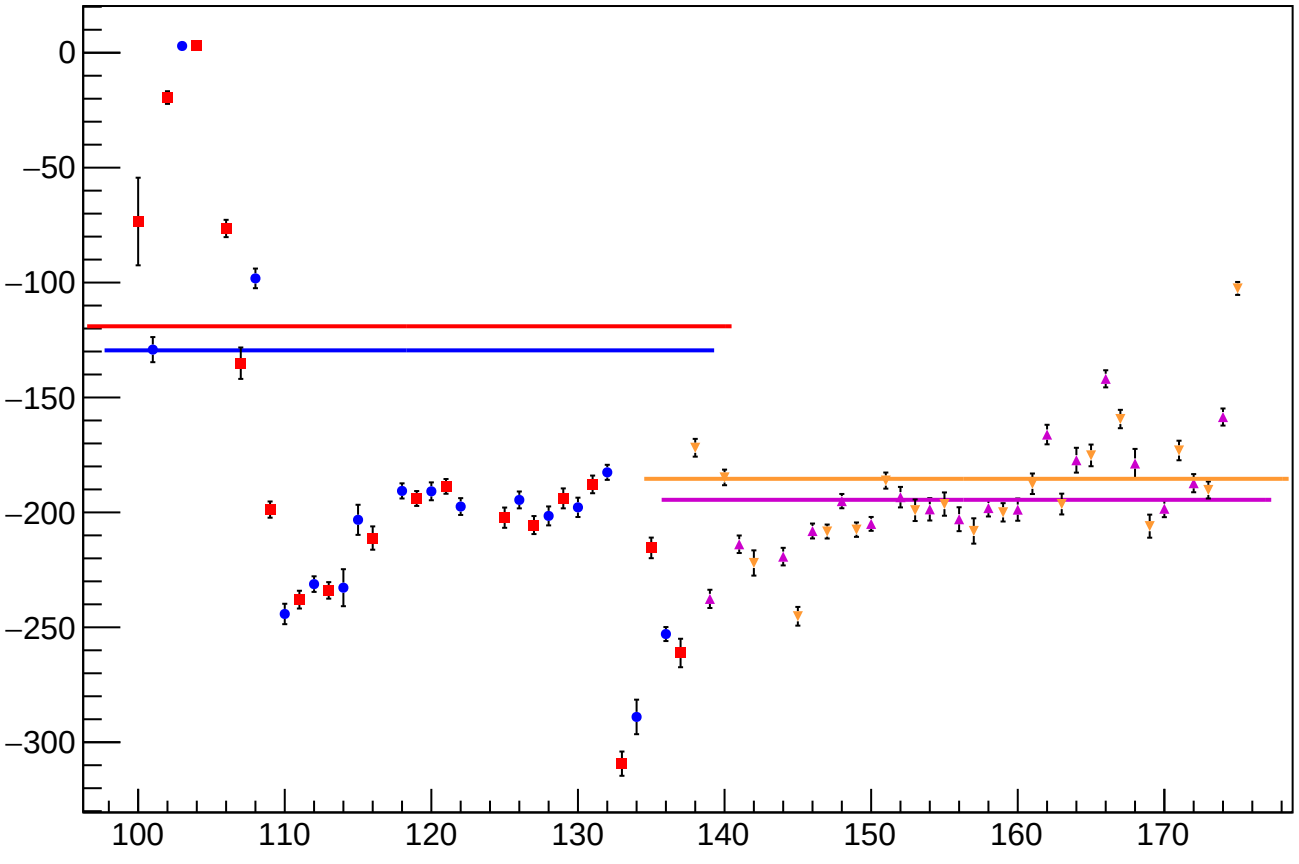
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -7.429+/-0.657 χ^2/NDF:264.1/17

+ sign -4.869+/-0.505 χ^2/NDF: 403.6/34

All: -5.014+/-0.355 χ^2/NDF: 754.9/70

- sign -5.155+/-0.500 χ^2/NDF: 351.2/35



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -185.390+/-0.906 χ^2/NDF:1366.3/18

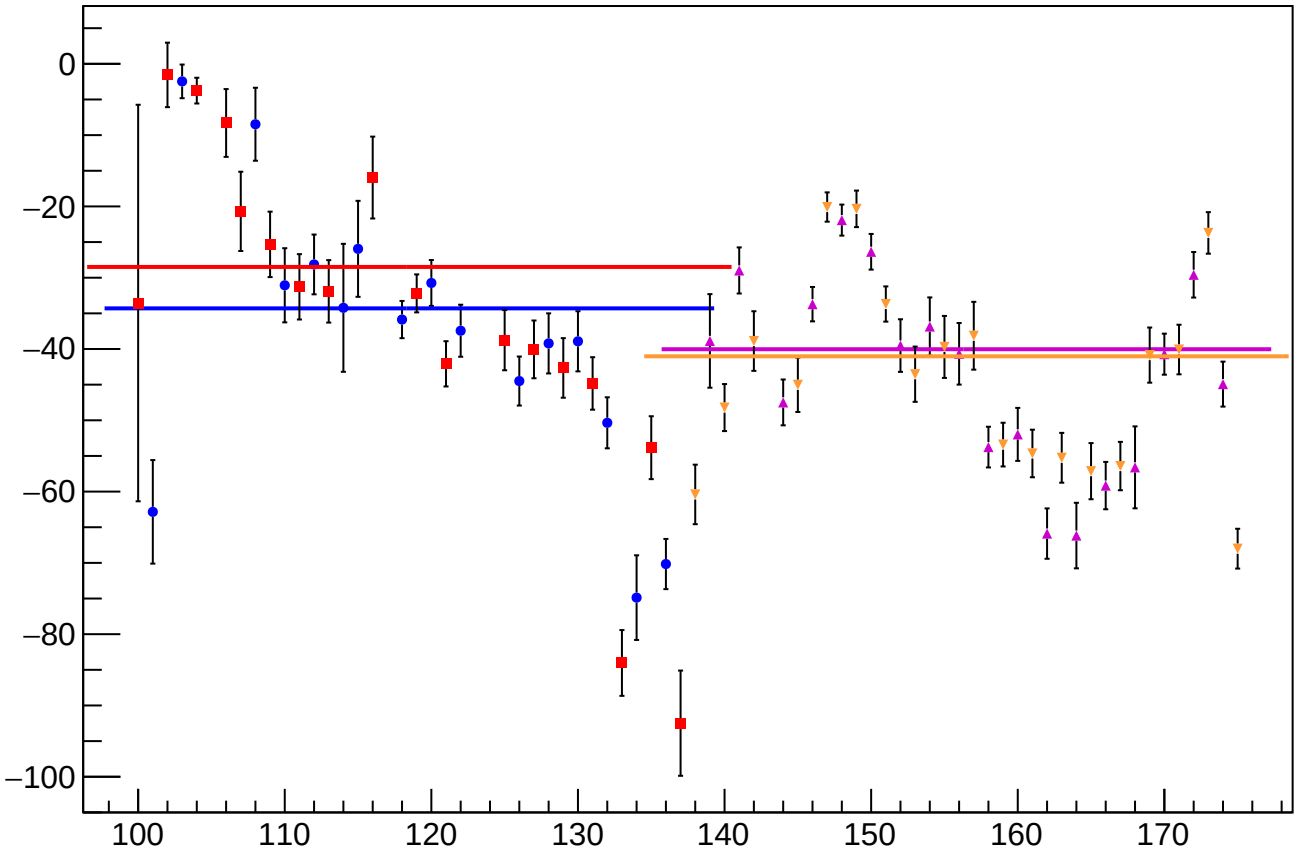
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -194.523+/-0.932 χ^2/NDF:579.4/17

+ sign -155.557+/-0.618 χ^2/NDF: 18087.4/34

All: -153.584+/-0.435 χ^2/NDF: 38593.0/70

- sign -151.648+/-0.613 χ^2/NDF: 20485.4/35



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -41.024+/-0.742 χ^2/NDF:422.1/18

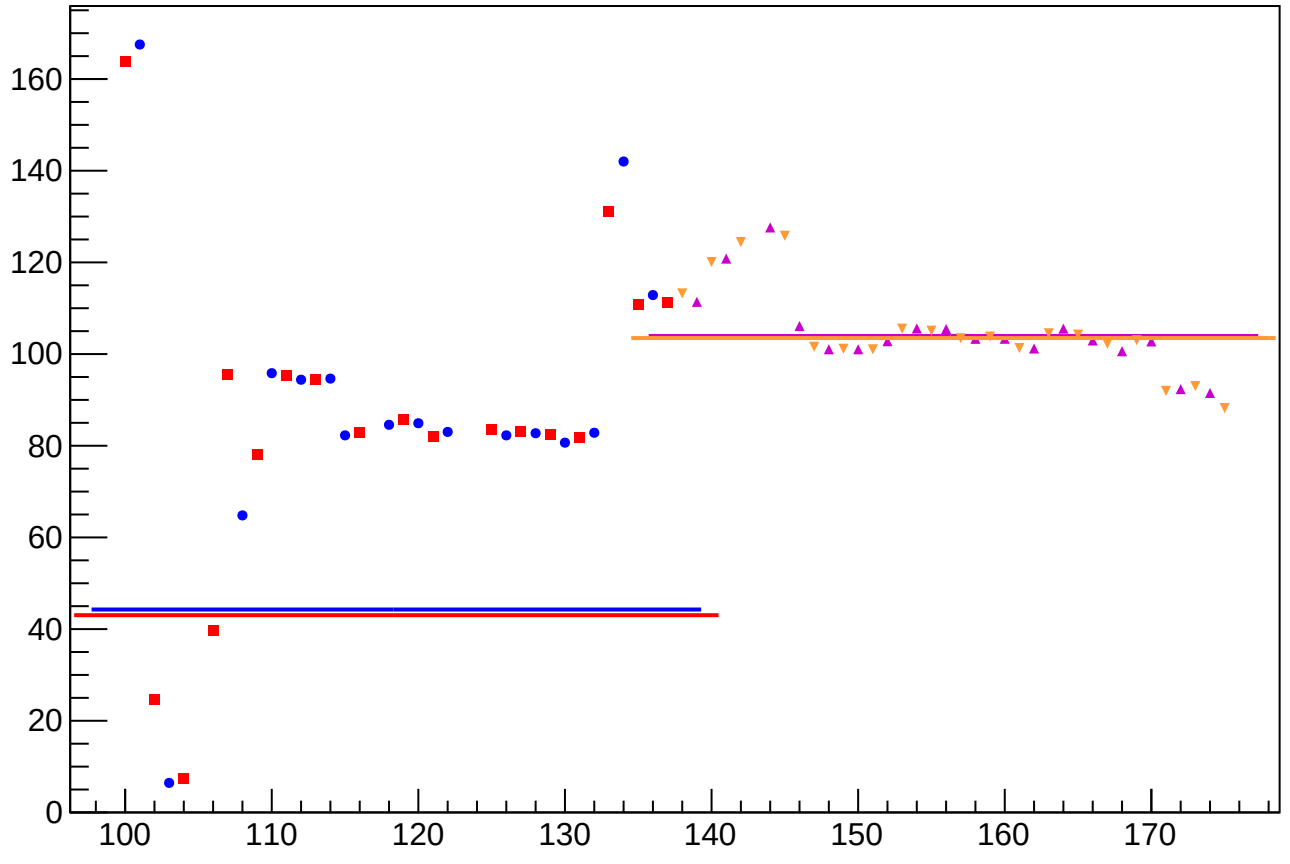
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -40.032+/-0.765 χ^2/NDF:297.7/17

\+ sign -38.536+/-0.589 χ^2/NDF: 863.8/34

All: -36.872+/-0.415 χ^2/NDF: 1839.9/70

\- sign -35.231+/-0.585 χ^2/NDF: 960.3/35



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 103.491+/-0.035 χ^2/NDF:71656.6/18

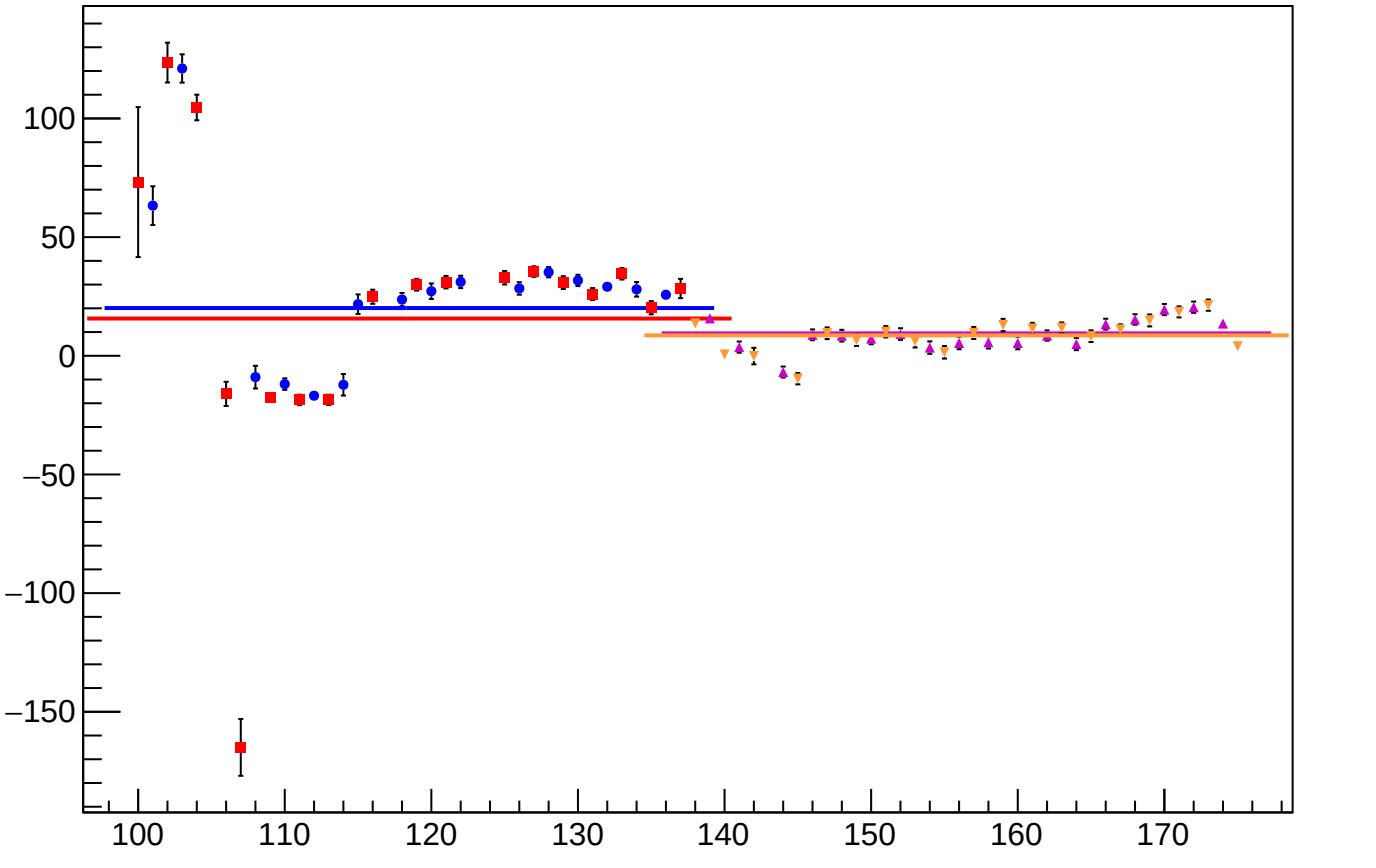
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 103.943+/-0.035 χ^2/NDF:52249.4/17

+ sign 81.164+/-0.028 χ^2/NDF: 2238321.6/34

All: 81.082+/-0.020 χ^2/NDF: 4235799.7/70

- sign 81.000+/-0.028 χ^2/NDF: 1997460.5/35



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 8.612+/-0.542 χ^2/NDF:162.3/18

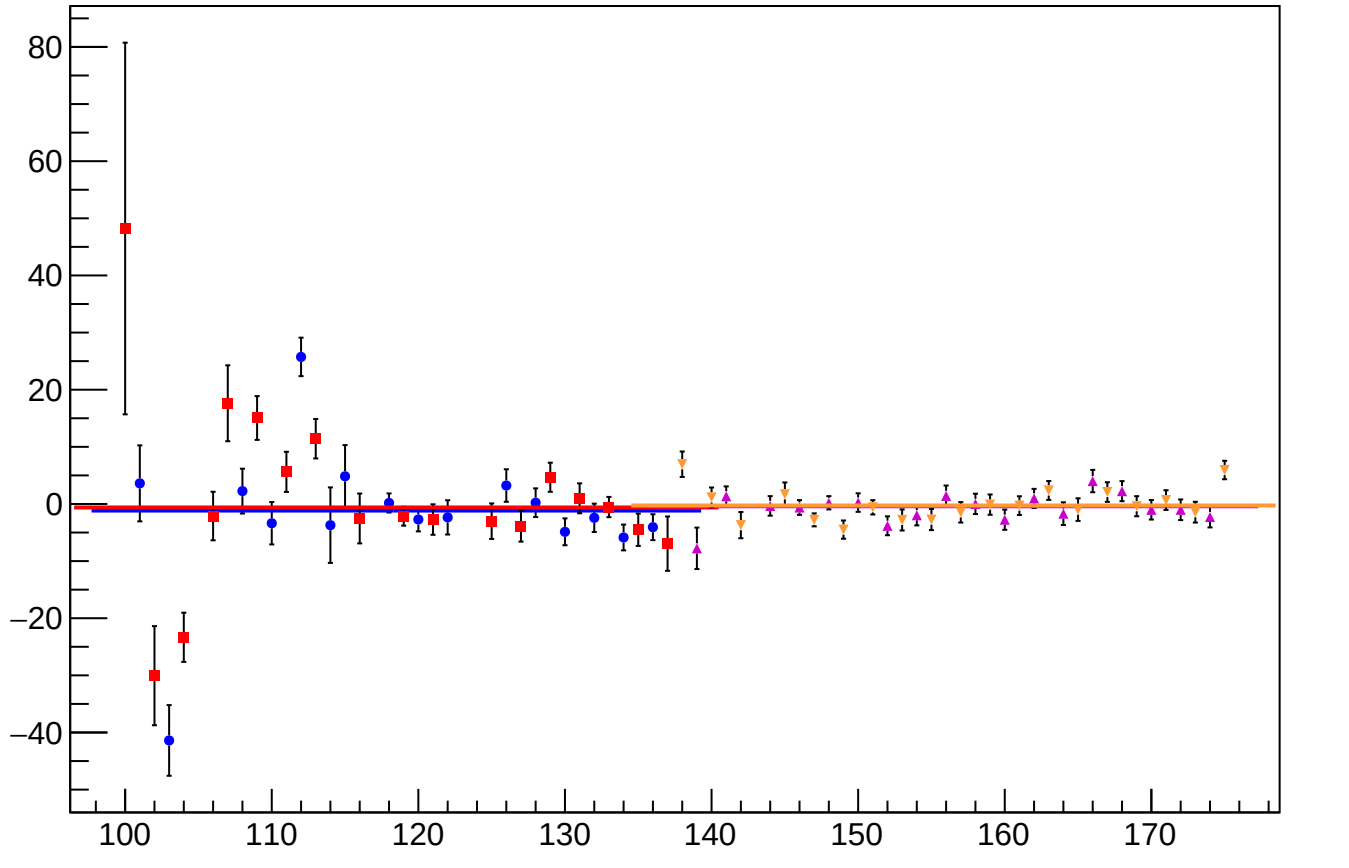
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

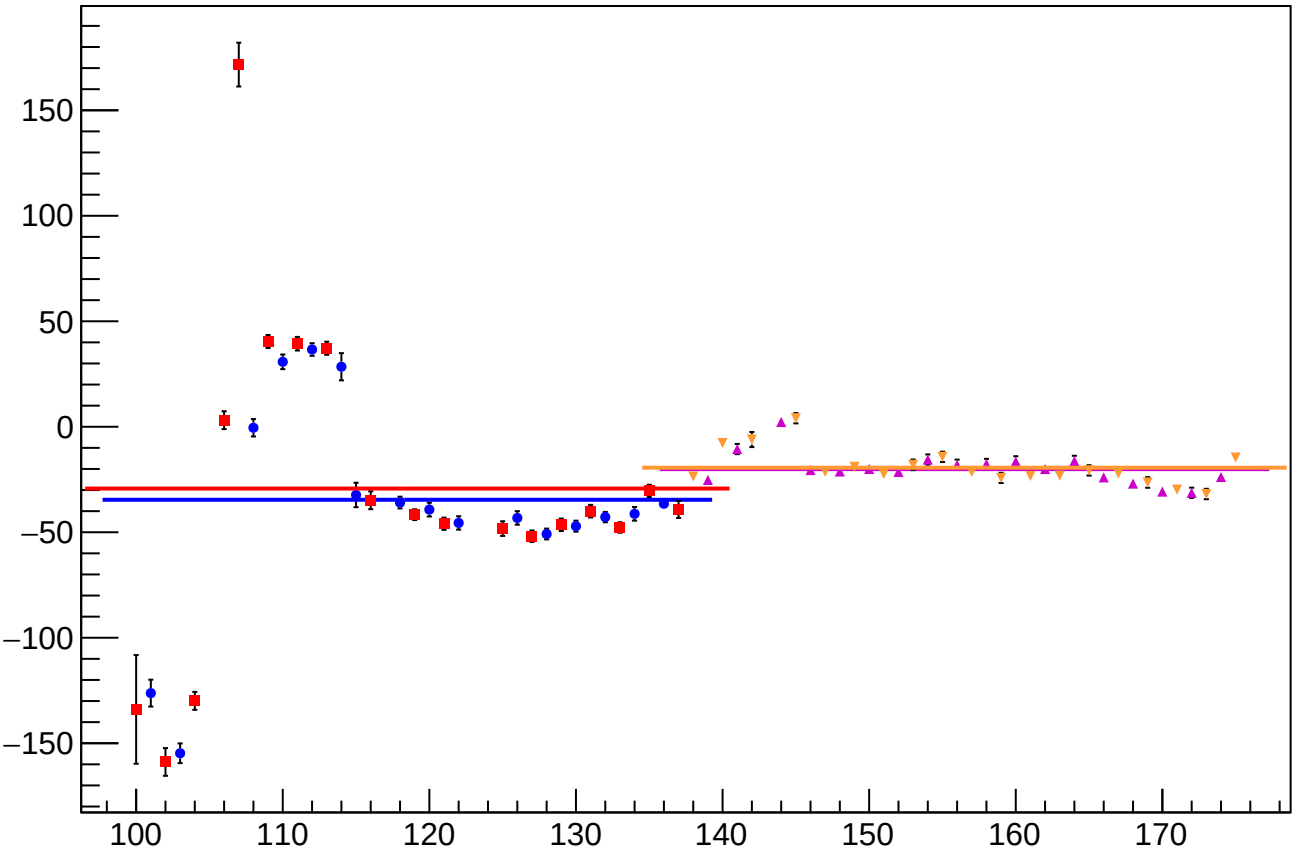
Left In: 9.442+/-0.556 χ^2/NDF:135.7/17

+ sign 13.023+/-0.425 χ^2/NDF: 1383.3/34

All: 12.489+/-0.303 χ^2/NDF: 3346.7/70

- sign 11.940+/-0.431 χ^2/NDF: 1960.1/35


reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: -1.151+/-0.699 χ²/NDF: 121.8/15
Left Out: -0.265+/-0.388 χ²/NDF:50.5/18
Right Out: -0.614+/-0.713 χ²/NDF: 93.4/17
Left In: -0.401+/-0.401 χ²/NDF:23.2/17
+ sign -0.474+/-0.339 χ²/NDF: 173.5/34
All: -0.463+/-0.243 χ²/NDF: 290.2/70
- sign -0.452+/-0.349 χ²/NDF: 116.6/35



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -19.397+/-0.532 χ^2/NDF:220.8/18

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

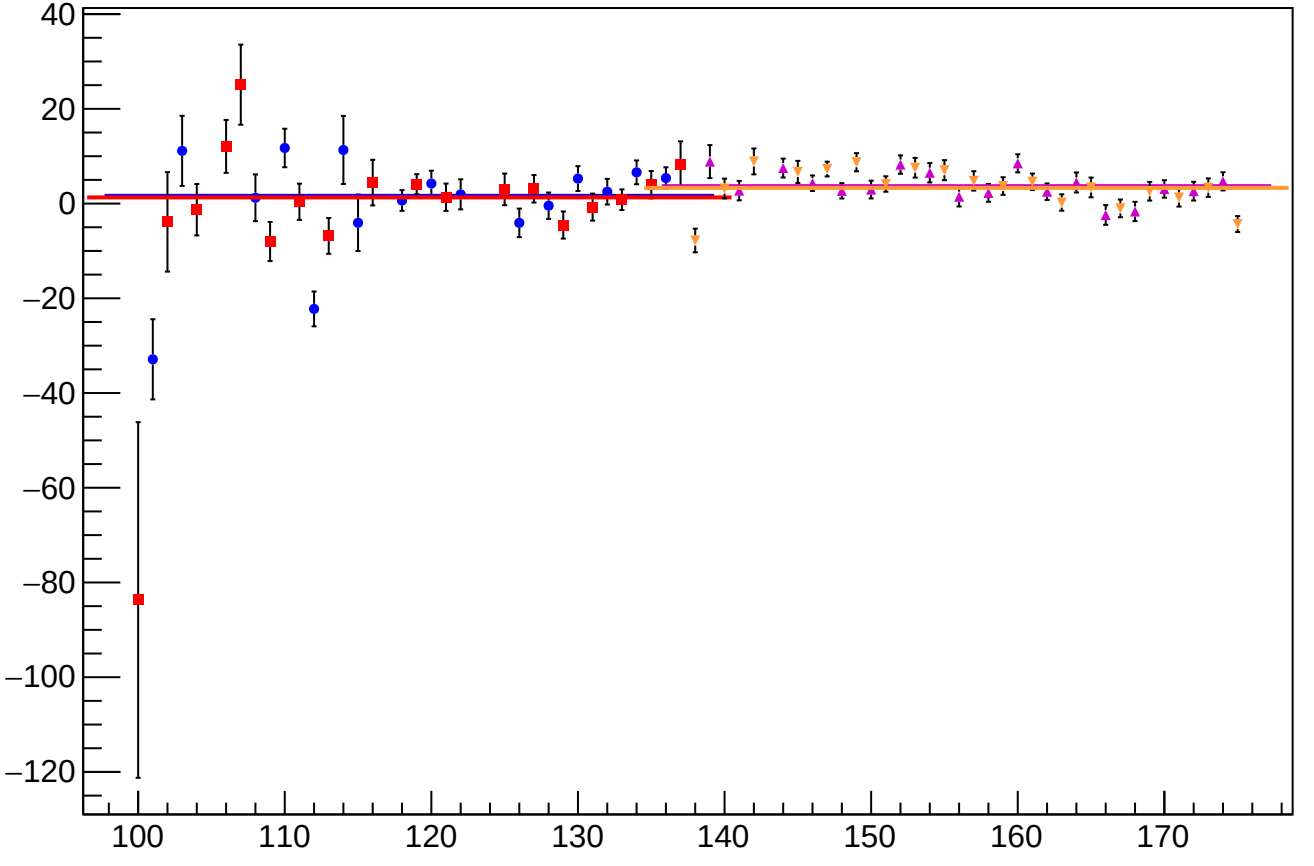
Left In: -20.081+/-0.547 χ^2/NDF:177.1/17

+ sign -24.168+/-0.440 χ^2/NDF: 2535.8/34

All: -23.603+/-0.315 χ^2/NDF: 5887.5/70

- sign -23.009+/-0.451 χ^2/NDF: 3348.3/35

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 3.313+/-0.444 χ^2/NDF:79.7/18

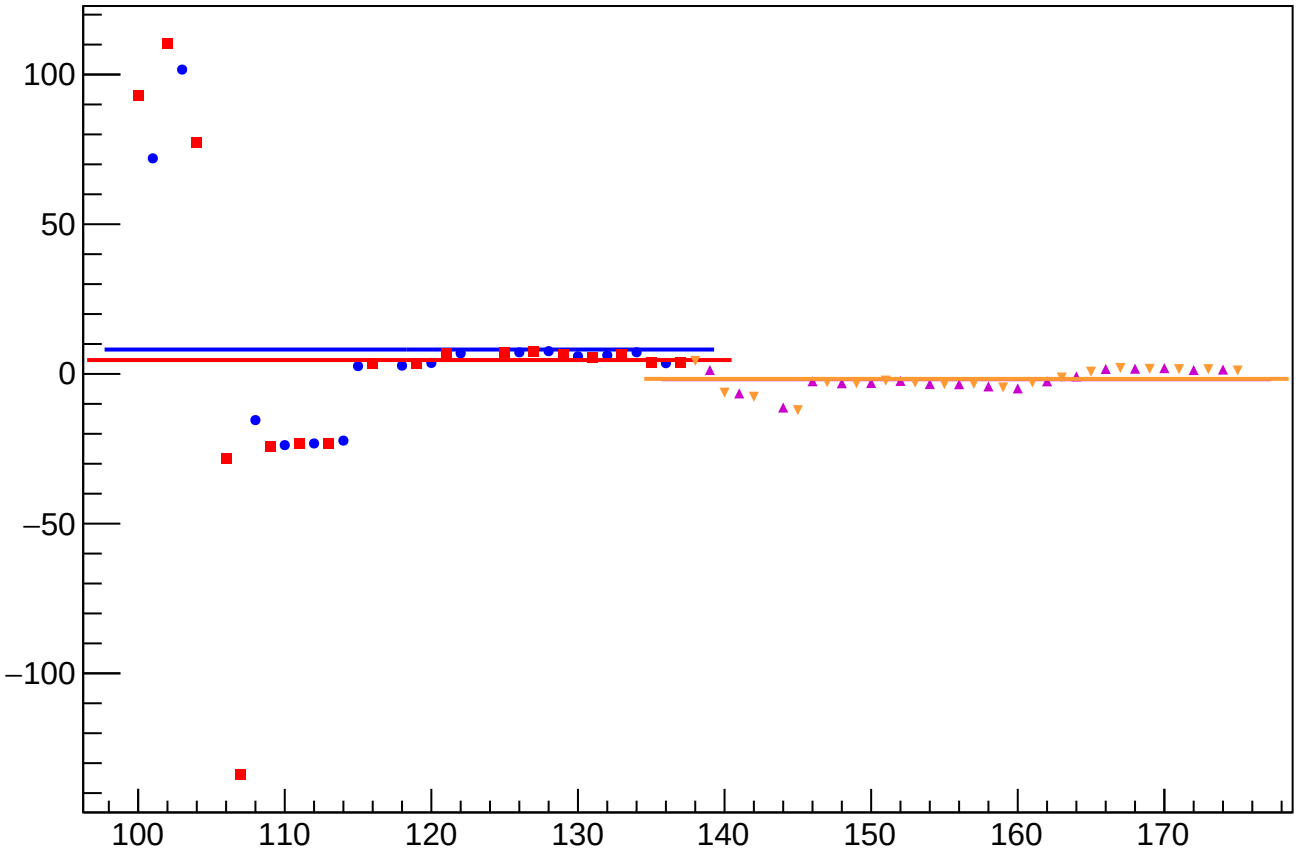
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 3.676+/-0.459 χ^2/NDF:39.0/17

+ sign 2.915+/-0.388 χ^2/NDF: 166.4/34

All: 3.007+/-0.278 χ^2/NDF: 249.5/70

- sign 3.106+/-0.400 χ^2/NDF: 82.9/35



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -1.655+/-0.020 χ^2/NDF:32289.4/18

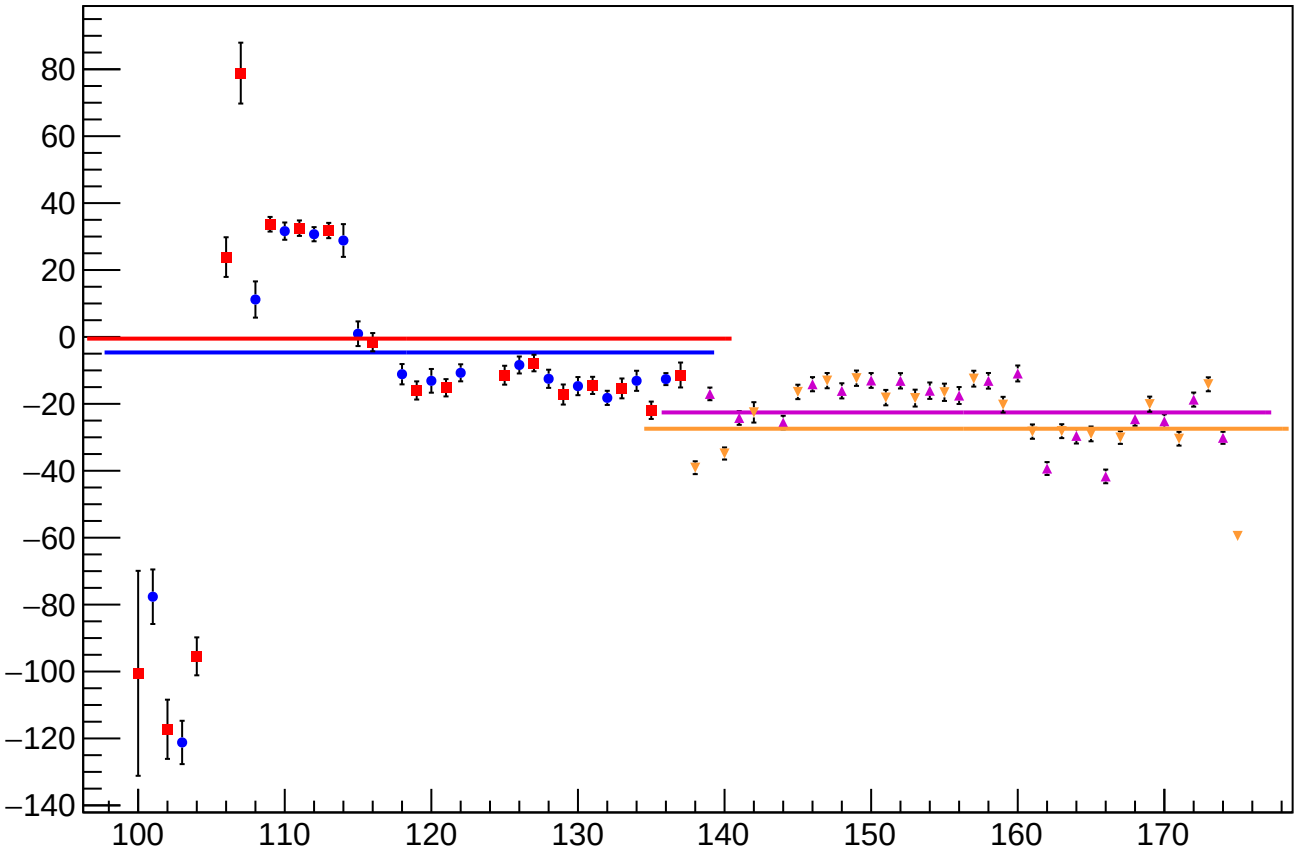
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -1.762+/-0.020 χ^2/NDF:24055.7/17

+ sign -0.224+/-0.018 χ^2/NDF: 380699.7/34

All: -0.565+/-0.013 χ^2/NDF: 865565.2/70

- sign -0.918+/-0.019 χ^2/NDF: 484171.7/35



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -27.436+/-0.490 χ^2/NDF:774.7/18

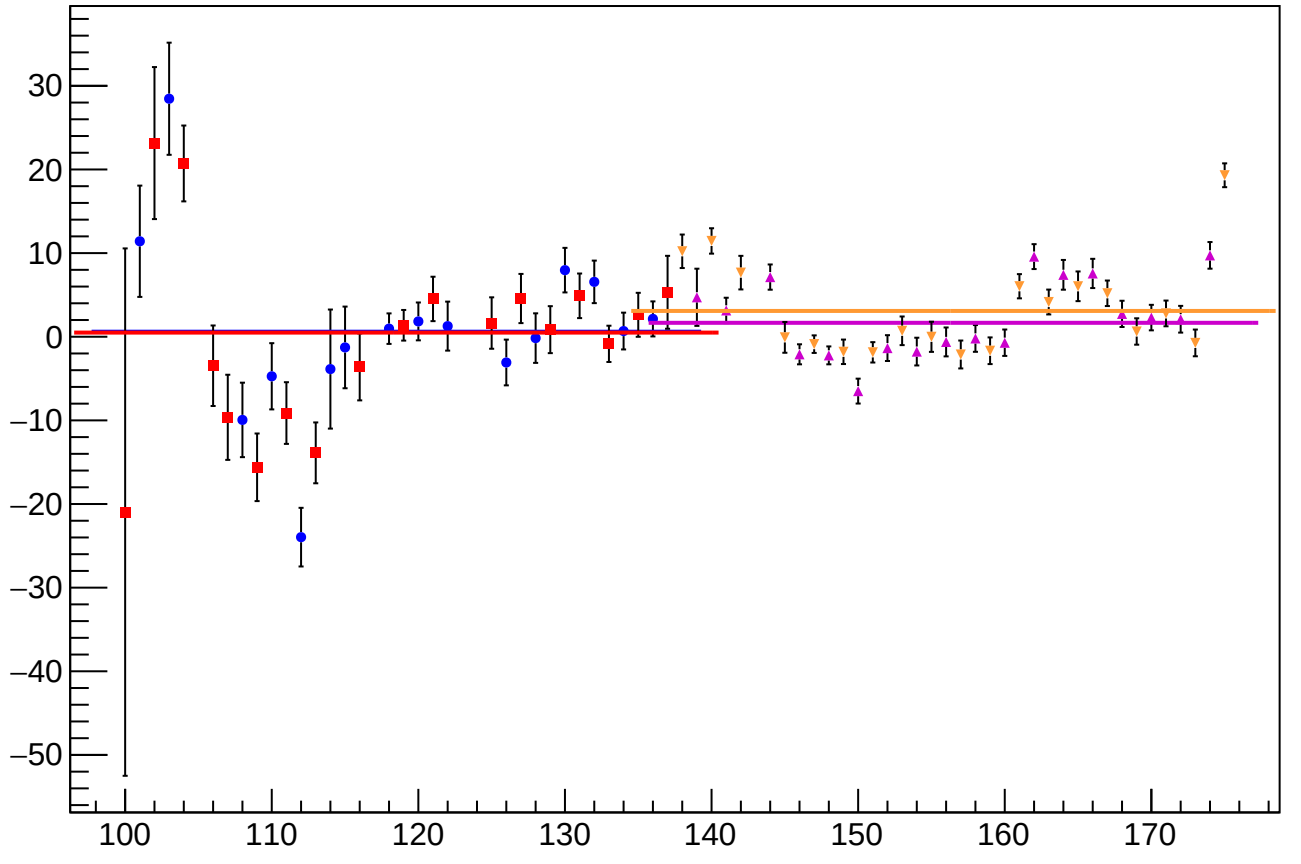
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -22.565+/-0.503 χ^2/NDF:317.6/17

+ sign -20.104+/-0.404 χ^2/NDF: 2517.2/34

All: -17.698+/-0.288 χ^2/NDF: 5006.8/70

- sign -15.209+/-0.411 χ^2/NDF: 2417.3/35



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 3.085+/-0.352 χ^2/NDF:263.9/18

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

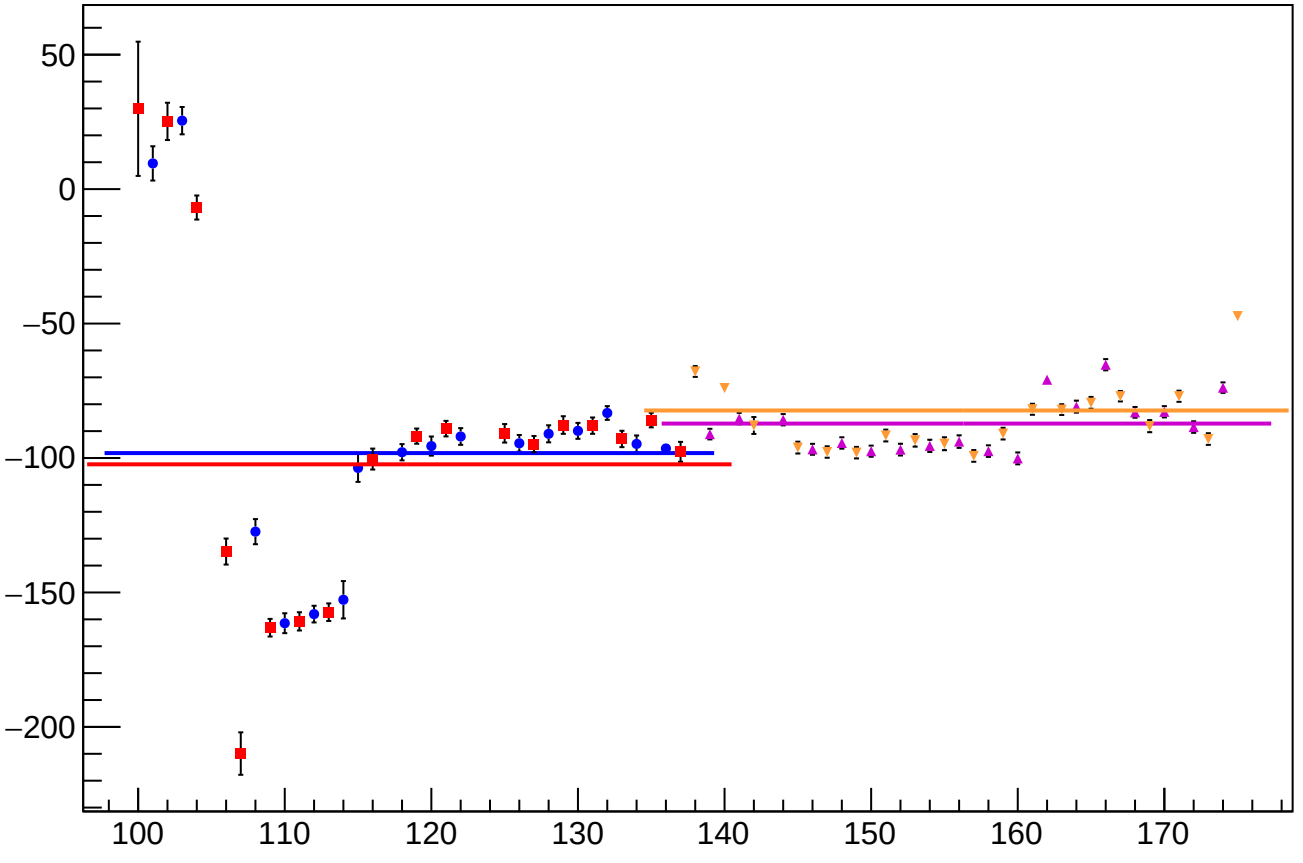
Left In: 1.665+/-0.363 χ^2/NDF:158.1/17

+ sign 2.613+/-0.317 χ^2/NDF: 366.3/34

All: 2.047+/-0.228 χ^2/NDF: 613.0/70

- sign 1.446+/-0.327 χ^2/NDF: 240.2/35

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -82.323+/-0.482 χ^2/NDF:961.6/18

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

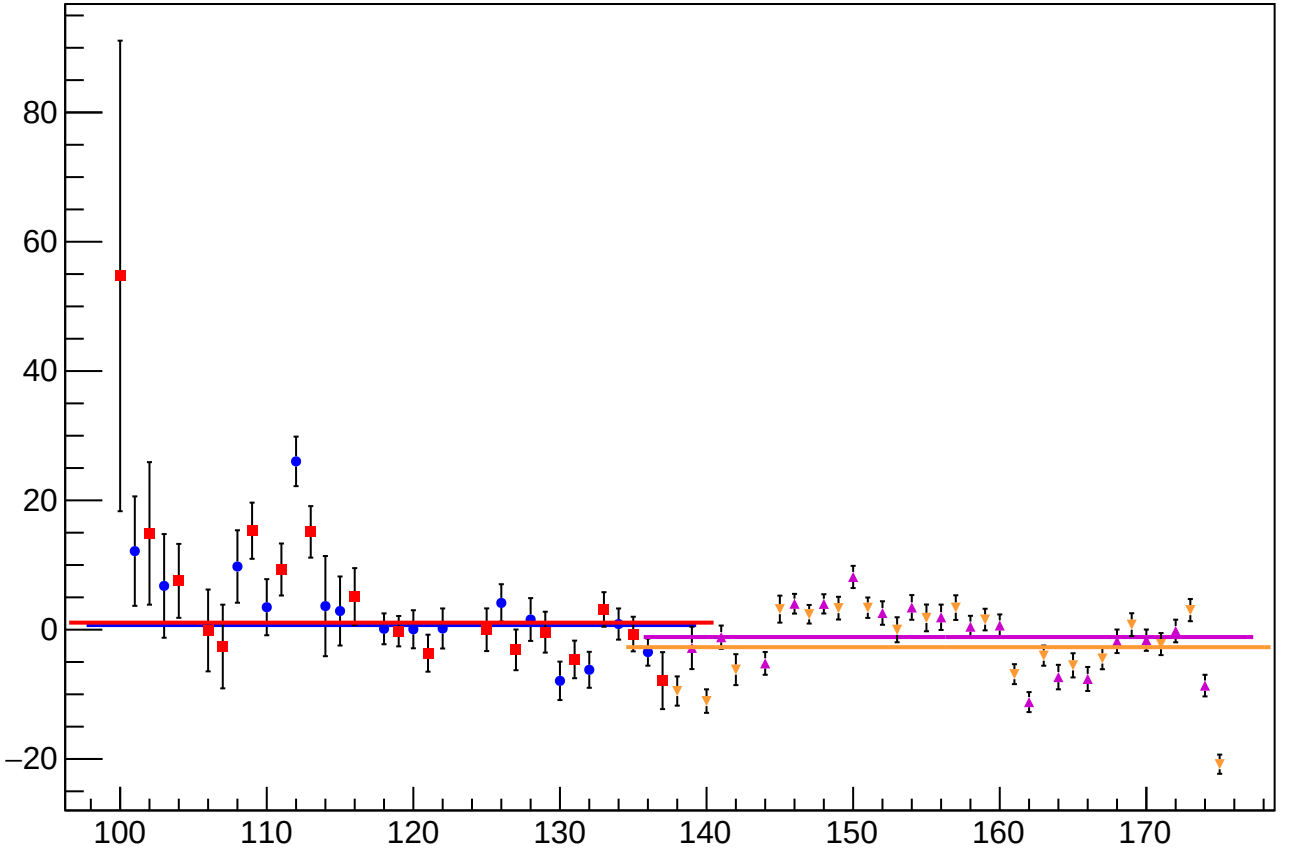
Left In: -87.193+/-0.495 χ^2/NDF:412.4/17

+ sign -86.441+/-0.414 χ^2/NDF: 2942.9/34

All: -88.715+/-0.297 χ^2/NDF: 5777.7/70

- sign -91.121+/-0.426 χ^2/NDF: 2772.8/35

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -2.705+/-0.402 χ^2/NDF:278.4/18

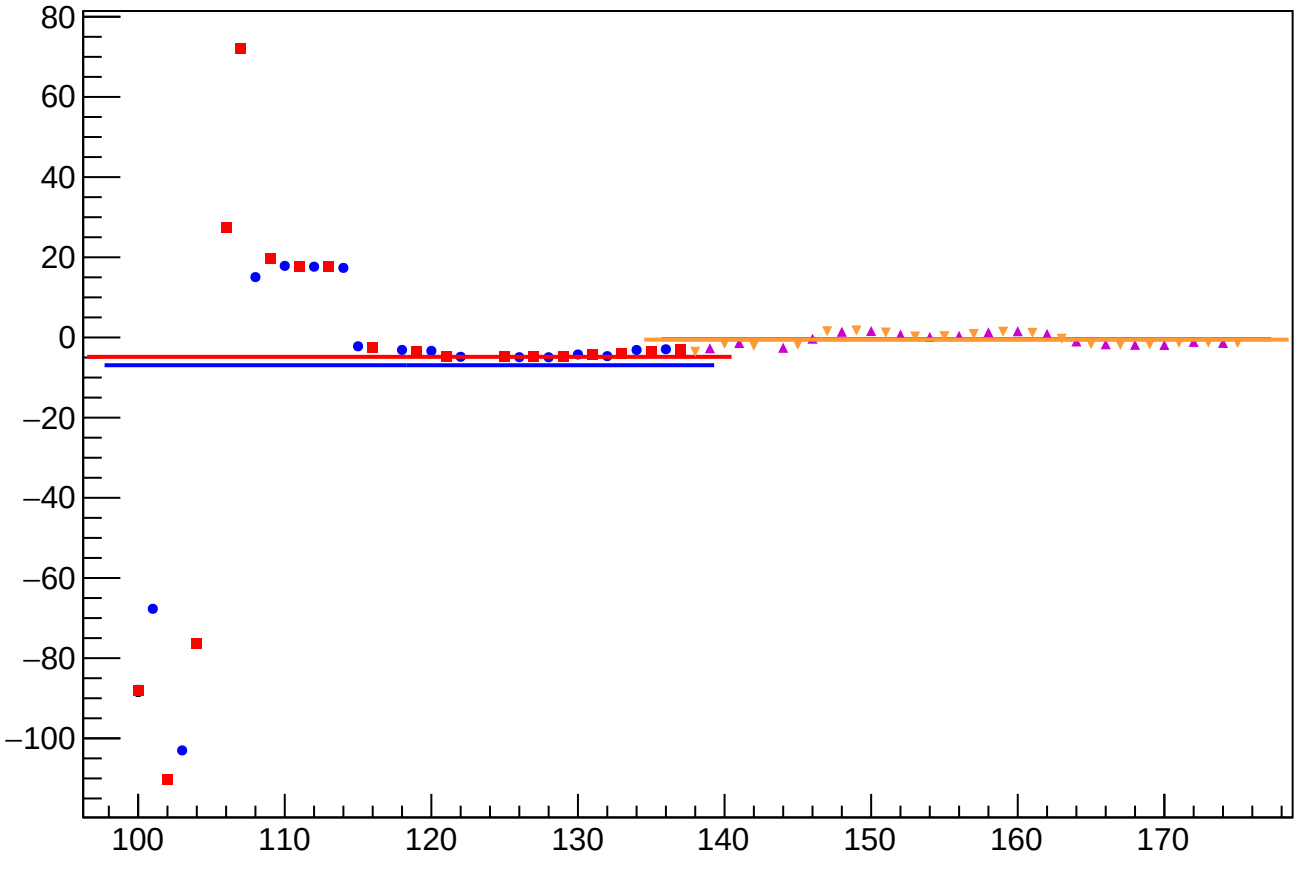
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -1.143+/-0.415 χ^2/NDF:158.4/17

+ sign -2.044+/-0.361 χ^2/NDF: 361.9/34

All: -1.403+/-0.260 χ^2/NDF: 580.0/70

- sign -0.719+/-0.373 χ^2/NDF: 211.6/35



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.538+/-0.018 χ^2/NDF:6498.4/18

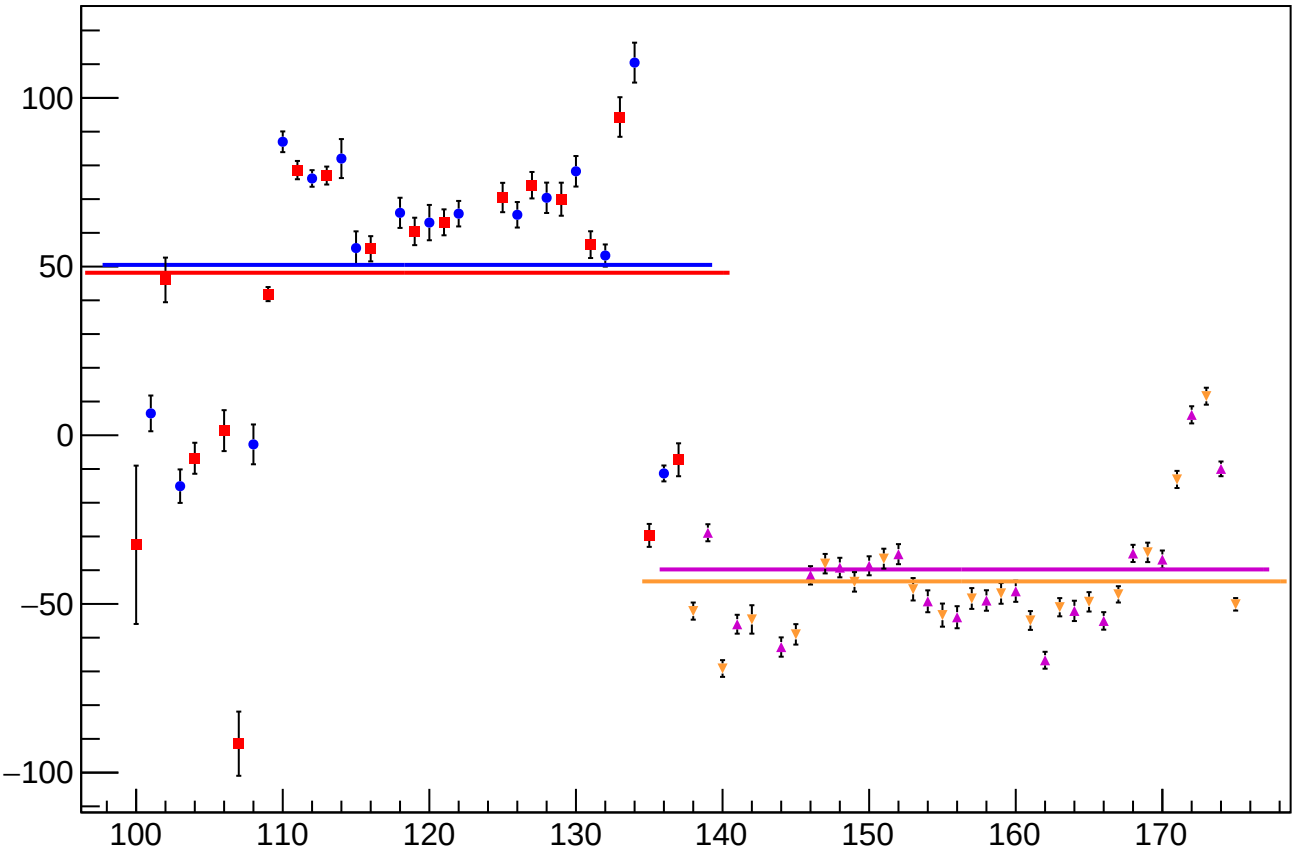
Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.449+/-0.018 χ^2/NDF:5996.9/17

+ sign -1.323+/-0.017 χ^2/NDF: 286889.0/34

All: -1.123+/-0.012 χ^2/NDF: 638683.0/70

- sign -0.918+/-0.017 χ^2/NDF: 351514.7/35



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -43.314+/-0.632 χ^2/NDF:848.9/18

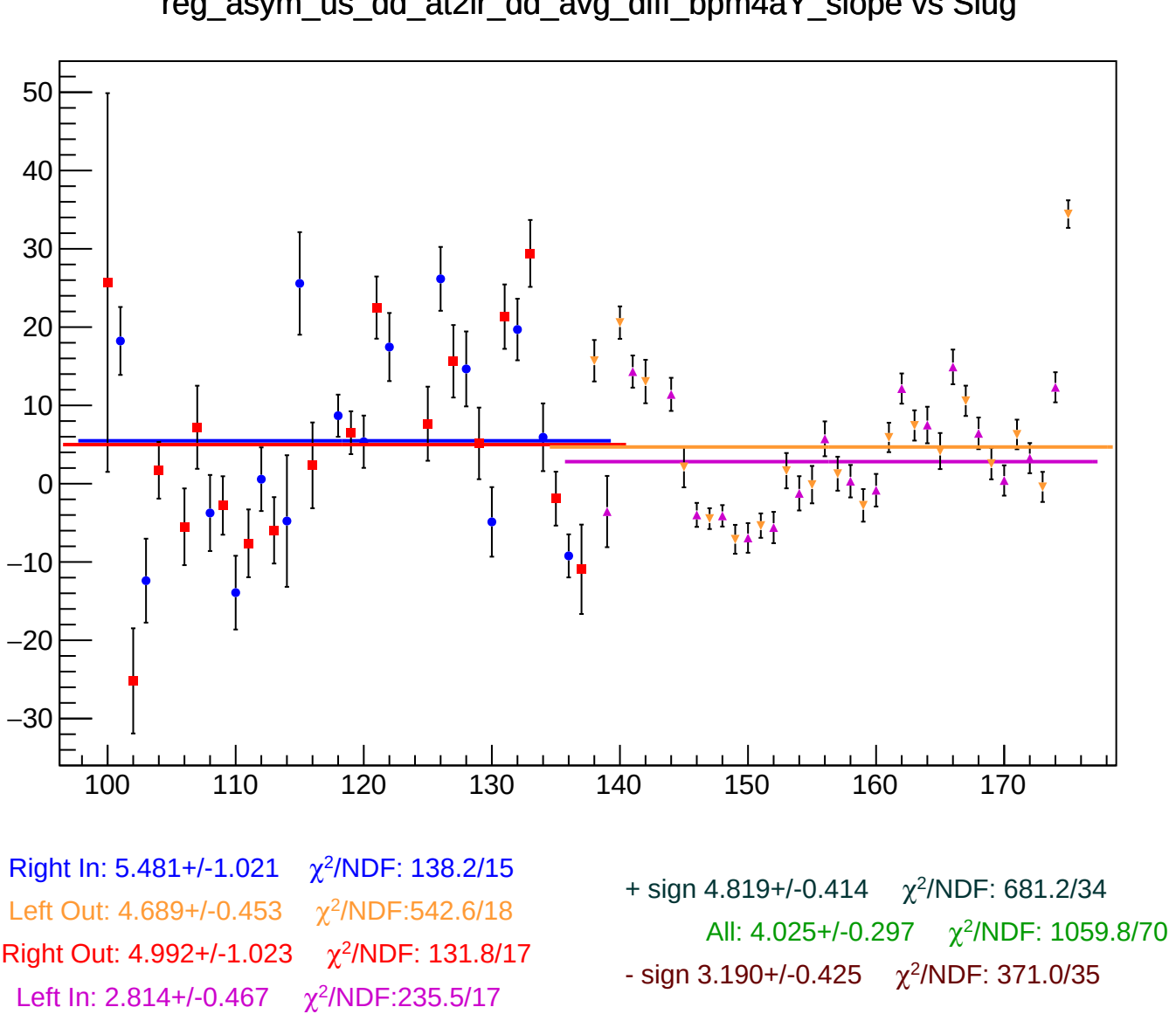
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

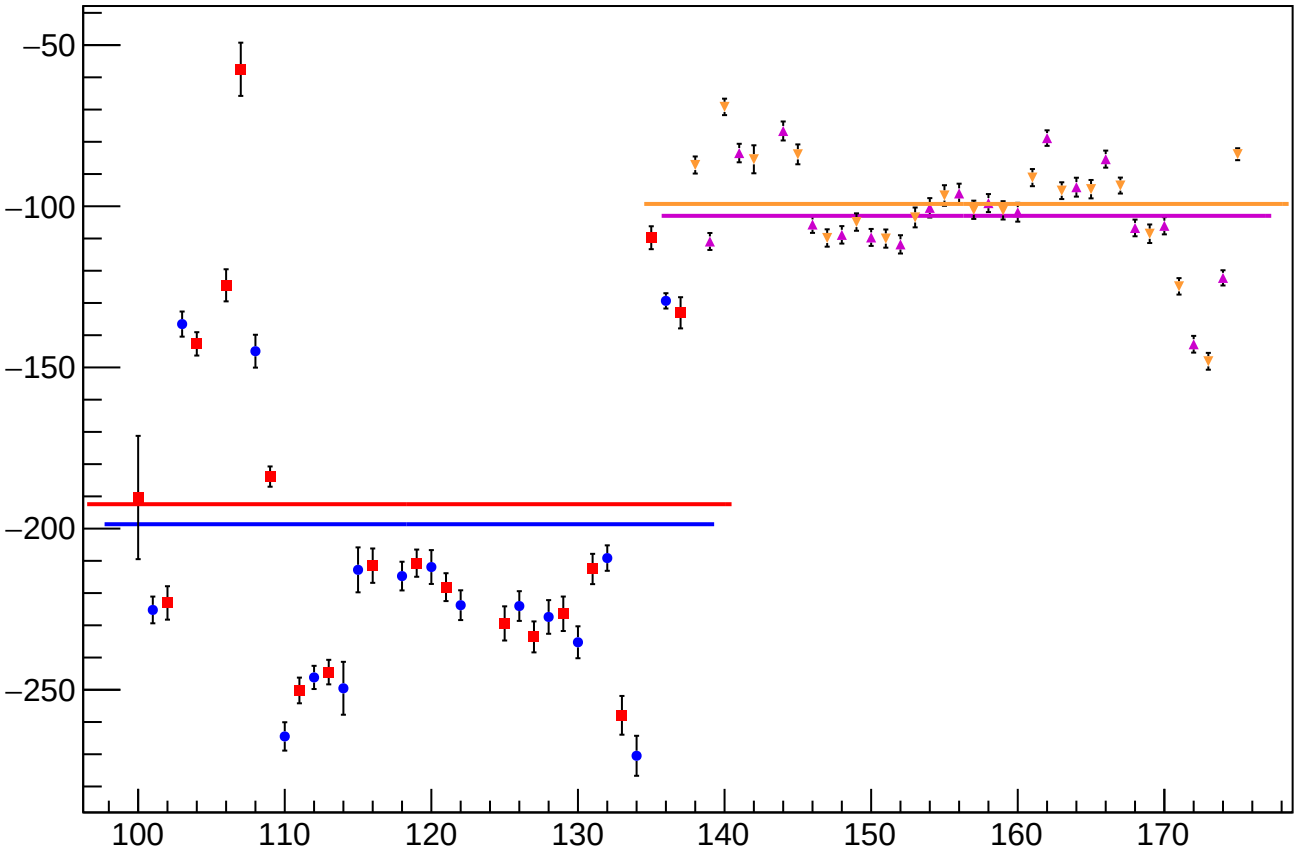
Left In: -39.771+/-0.649 χ^2/NDF:843.3/17

\+ sign -15.186+/-0.529 χ^2/NDF: 8965.8/34

All: -12.755+/-0.374 χ^2/NDF: 17524.5/70

\- sign -10.319+/-0.529 χ^2/NDF: 8516.3/35


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug
50
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
Right In: 5.481+/-1.021 χ²/NDF: 138.2/15
Left Out: 4.689+/-0.453 χ²/NDF:542.6/18
Right Out: 4.992+/-1.023 χ²/NDF: 131.8/17
Left In: 2.814+/-0.467 χ²/NDF:235.5/17
+ sign 4.819+/-0.414 χ²/NDF: 681.2/34
All: 4.025+/-0.297 χ²/NDF: 1059.8/70
- sign 3.190+/-0.425 χ²/NDF: 371.0/35



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -99.275+/-0.621 χ^2/NDF:782.2/18

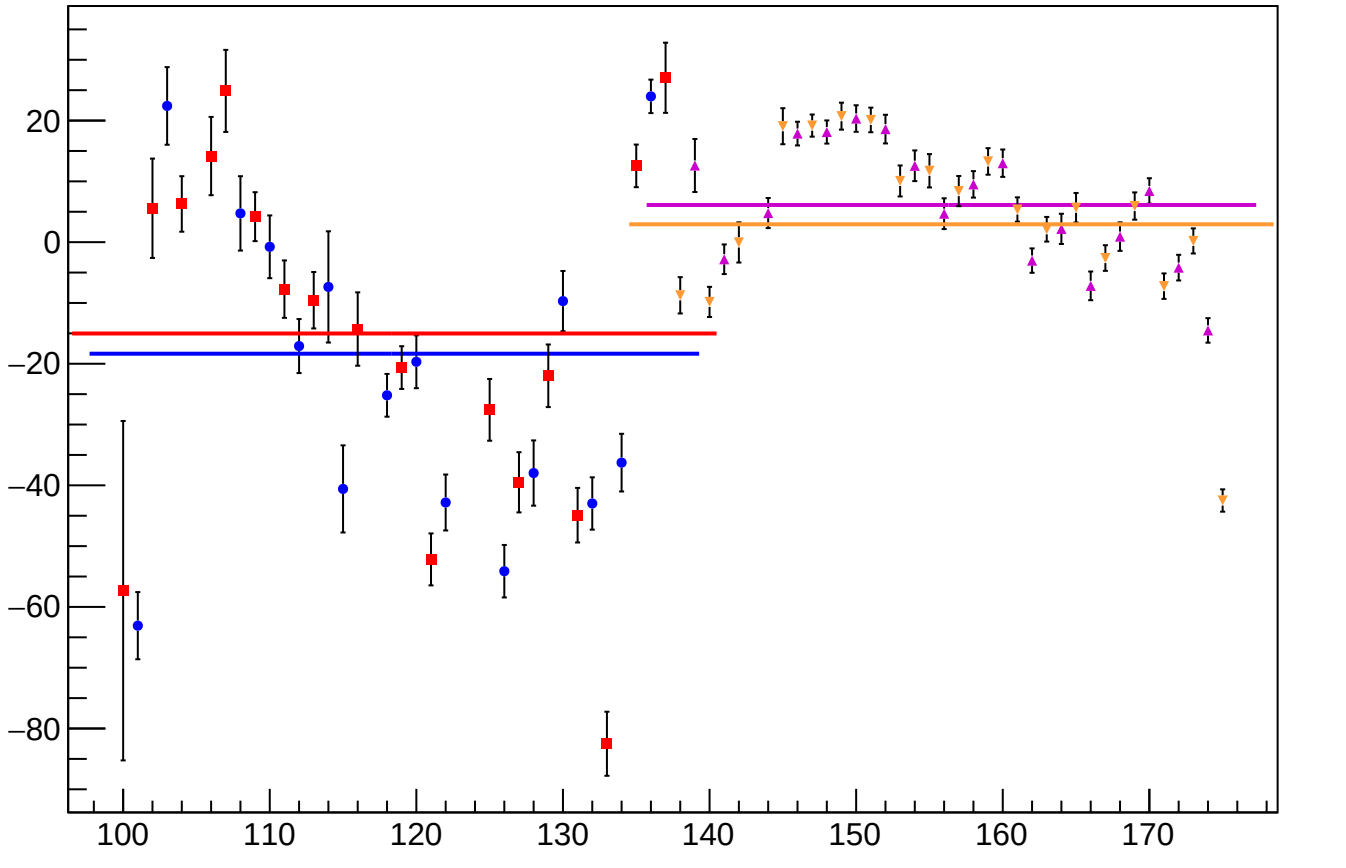
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -102.966+/-0.639 χ^2/NDF:624.4/17

+ sign -123.840+/-0.539 χ^2/NDF: 9117.0/34

All: -124.984+/-0.385 χ^2/NDF: 16973.2/70

- sign -126.178+/-0.550 χ^2/NDF: 7847.0/35



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 2.940+/-0.518 χ^2/NDF:982.6/18

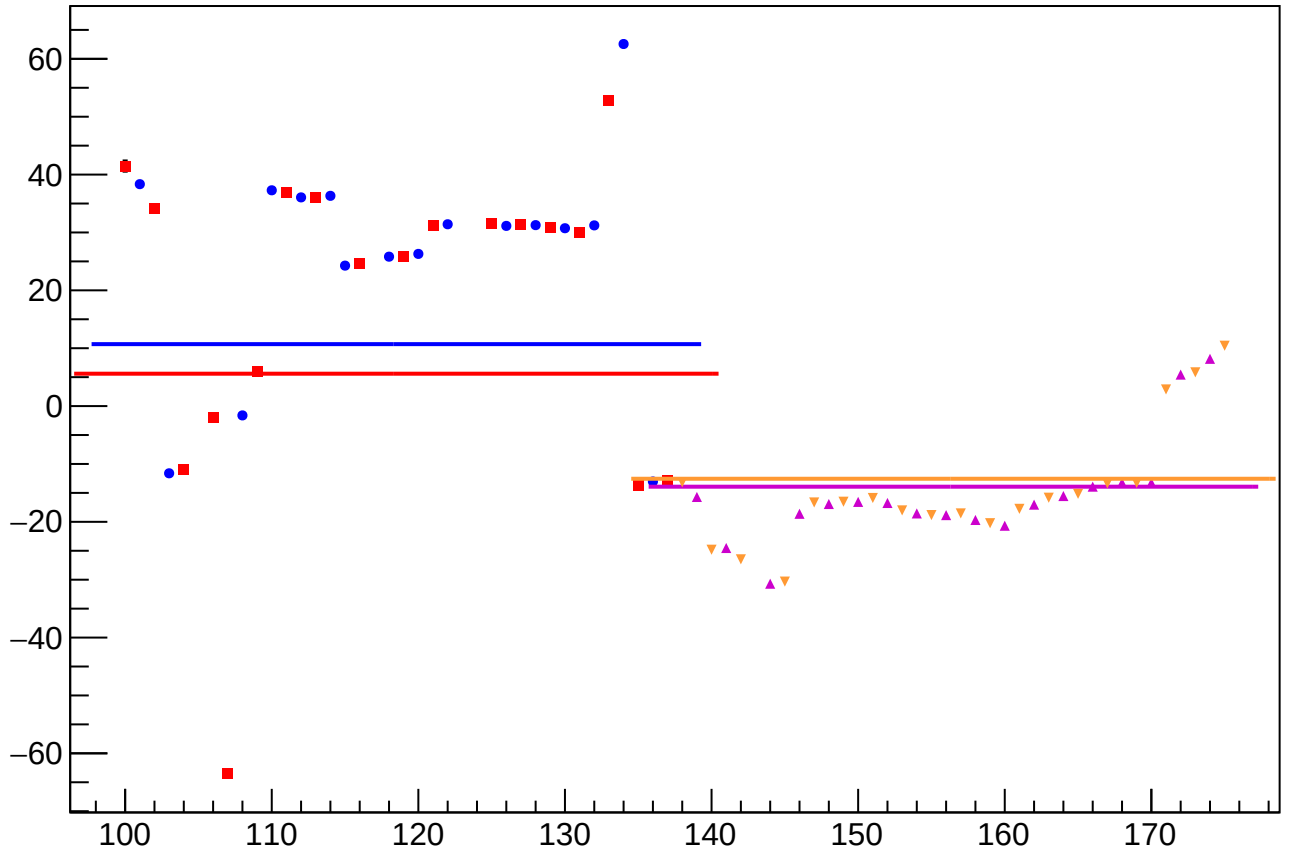
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 6.117+/-0.534 χ^2/NDF:370.5/17

+ sign -0.597+/-0.473 χ^2/NDF: 1807.6/34

All: 0.875+/-0.339 χ^2/NDF: 3017.8/70

- sign 2.428+/-0.485 χ^2/NDF: 1190.2/35



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -12.557+/-0.023 χ^2/NDF:209026.5/18

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

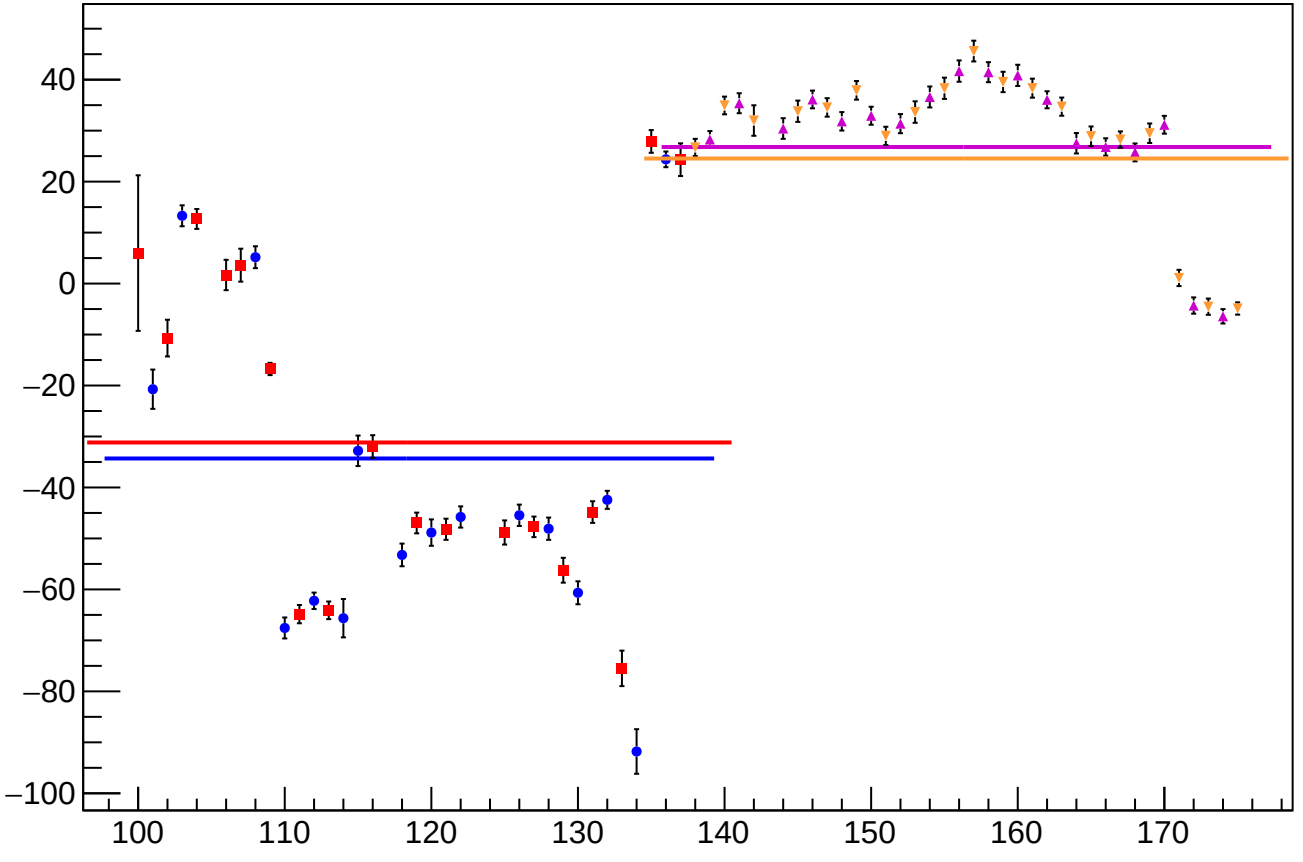
Left In: -13.928+/-0.024 χ^2/NDF:160194.3/17

\+ sign -9.729+/-0.022 χ^2/NDF: 494006.3/34

All: -10.648+/-0.016 χ^2/NDF: 895548.6/70

\- sign -11.578+/-0.022 χ^2/NDF: 398009.5/35

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 24.536+/-0.412 χ^2/NDF:1626.1/18

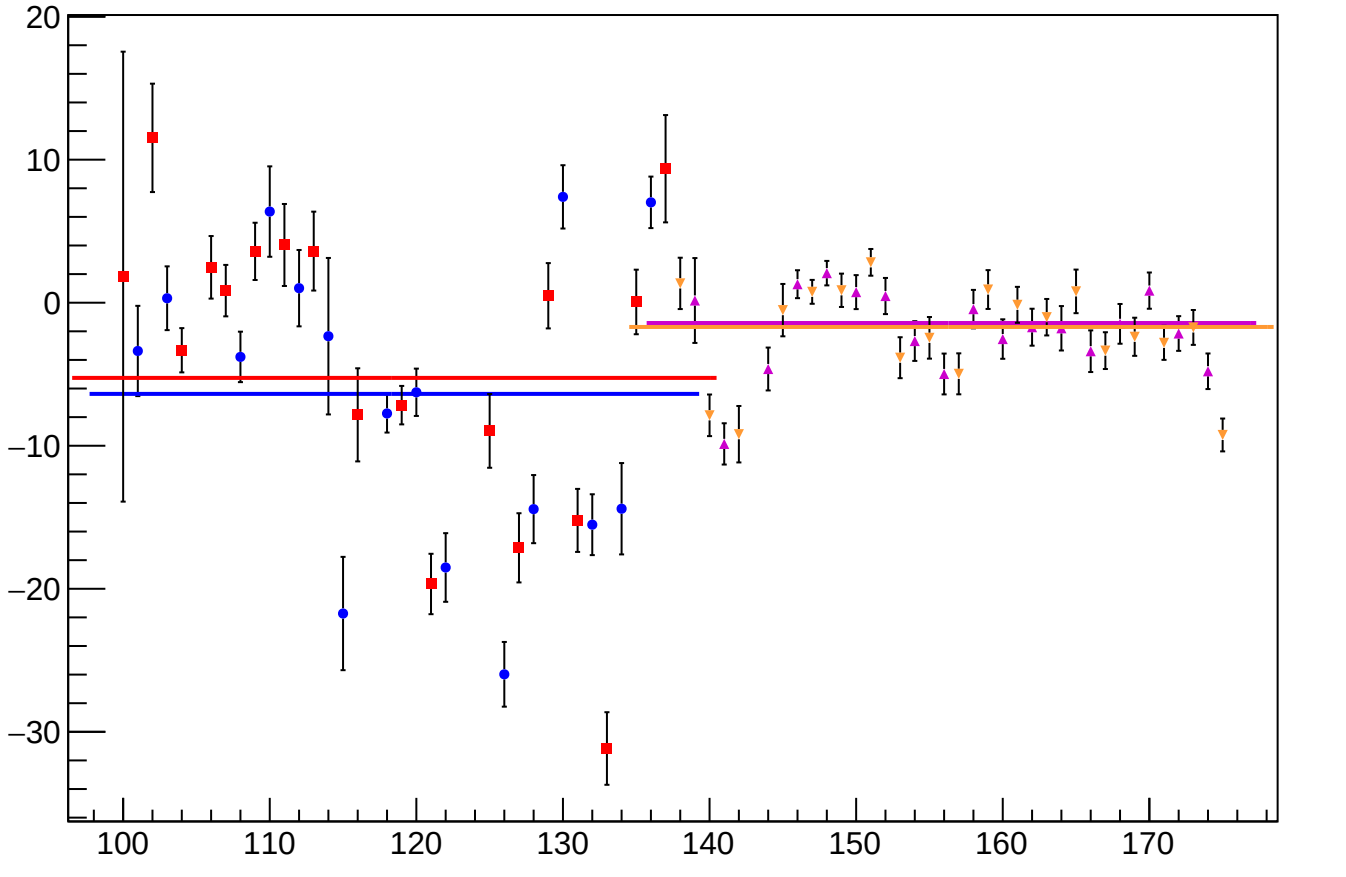
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 26.788+/-0.424 χ^2/NDF:1224.1/17

+ sign 3.283+/-0.329 χ^2/NDF: 12500.5/34

All: 3.350+/-0.232 χ^2/NDF: 24463.3/70

- sign 3.417+/-0.327 χ^2/NDF: 11962.8/35



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.696+/-0.293 χ^2/NDF:134.6/18

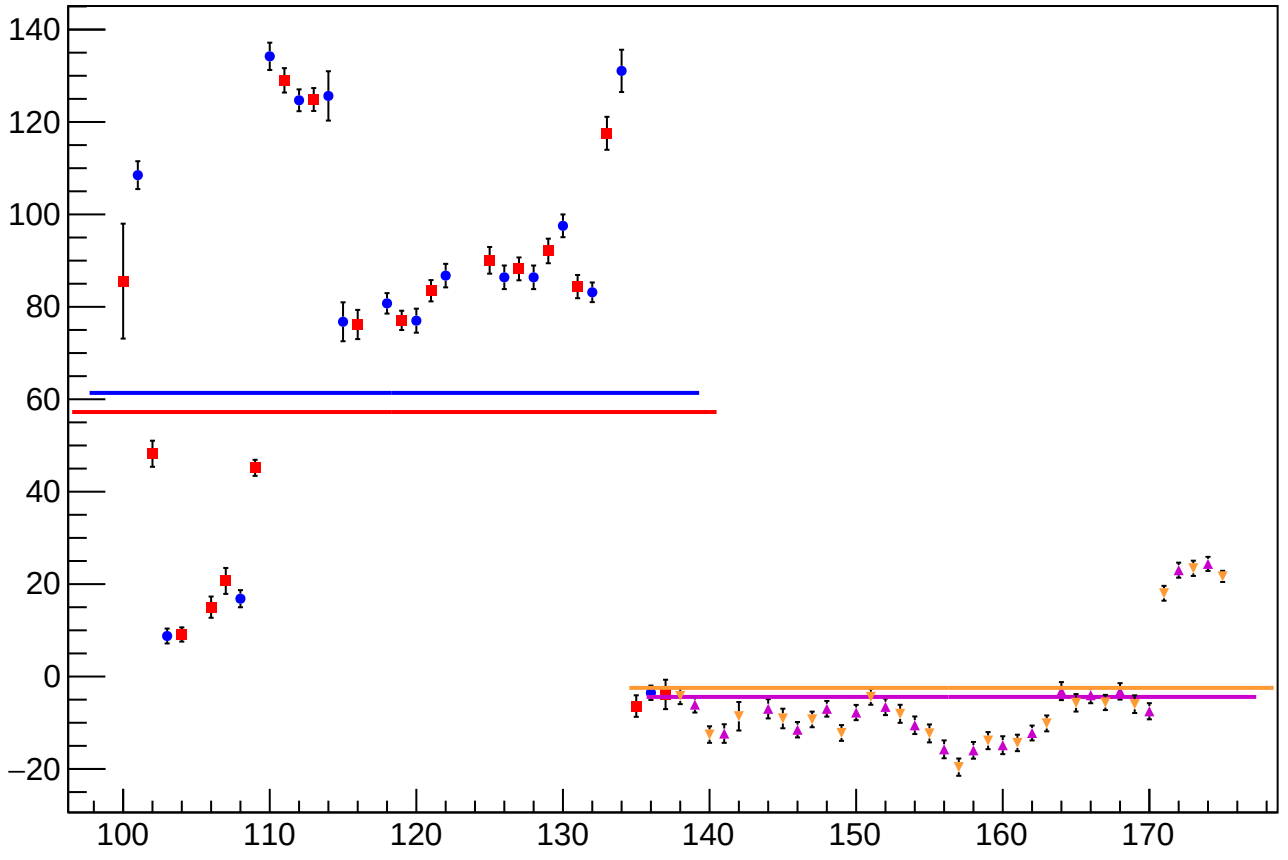
Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -1.420+/-0.304 χ^2/NDF:90.2/17

+ sign -2.721+/-0.259 χ^2/NDF: 474.0/34

All: -2.545+/-0.185 χ^2/NDF: 917.2/70

- sign -2.362+/-0.264 χ^2/NDF: 442.2/35



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -2.451+/-0.404 χ^2/NDF:1135.8/18

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

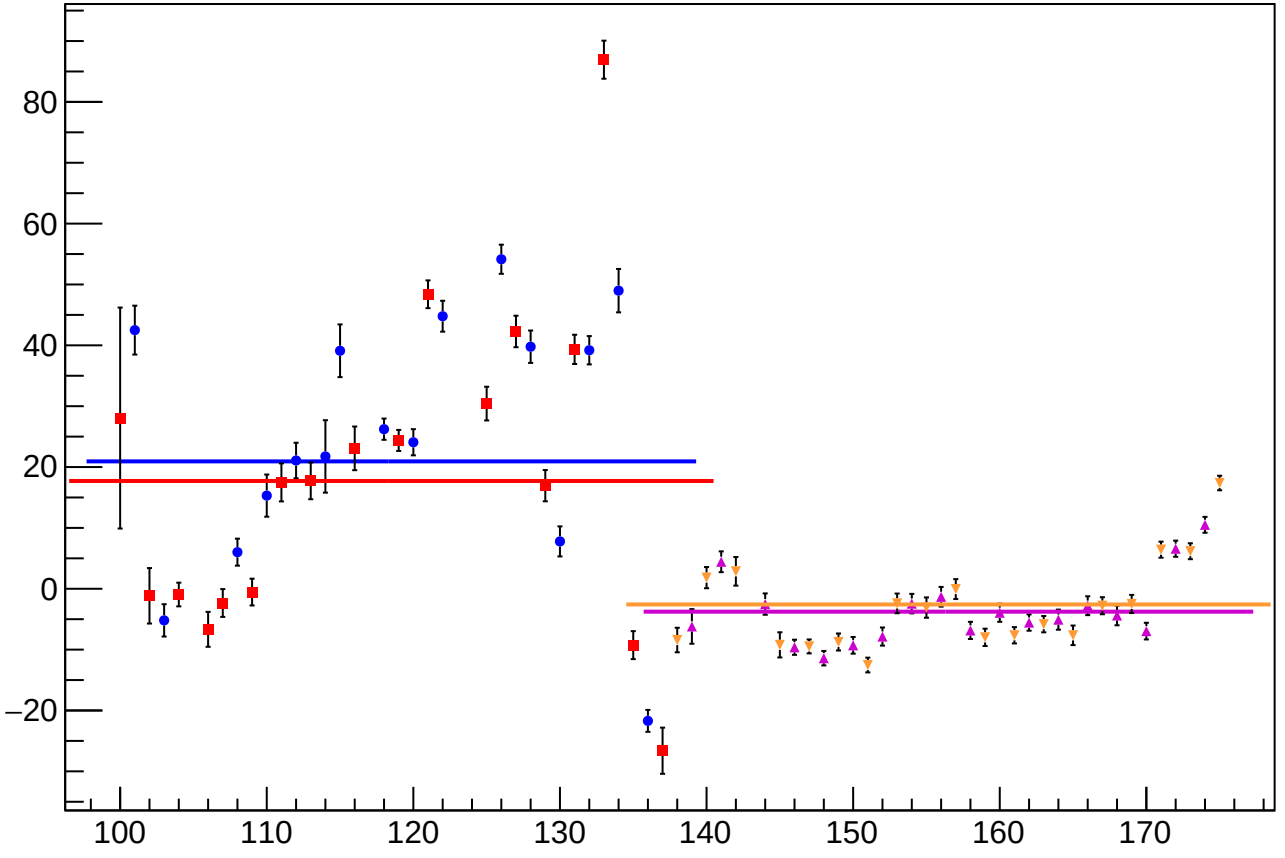
Left In: -4.409+/-0.417 χ^2/NDF:825.7/17

+ sign 17.729+/-0.334 χ^2/NDF: 15090.4/34

All: 17.169+/-0.238 χ^2/NDF: 28633.1/70

- sign 16.594+/-0.339 χ^2/NDF: 13537.1/35

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -2.578+/-0.336 χ^2/NDF:570.3/18

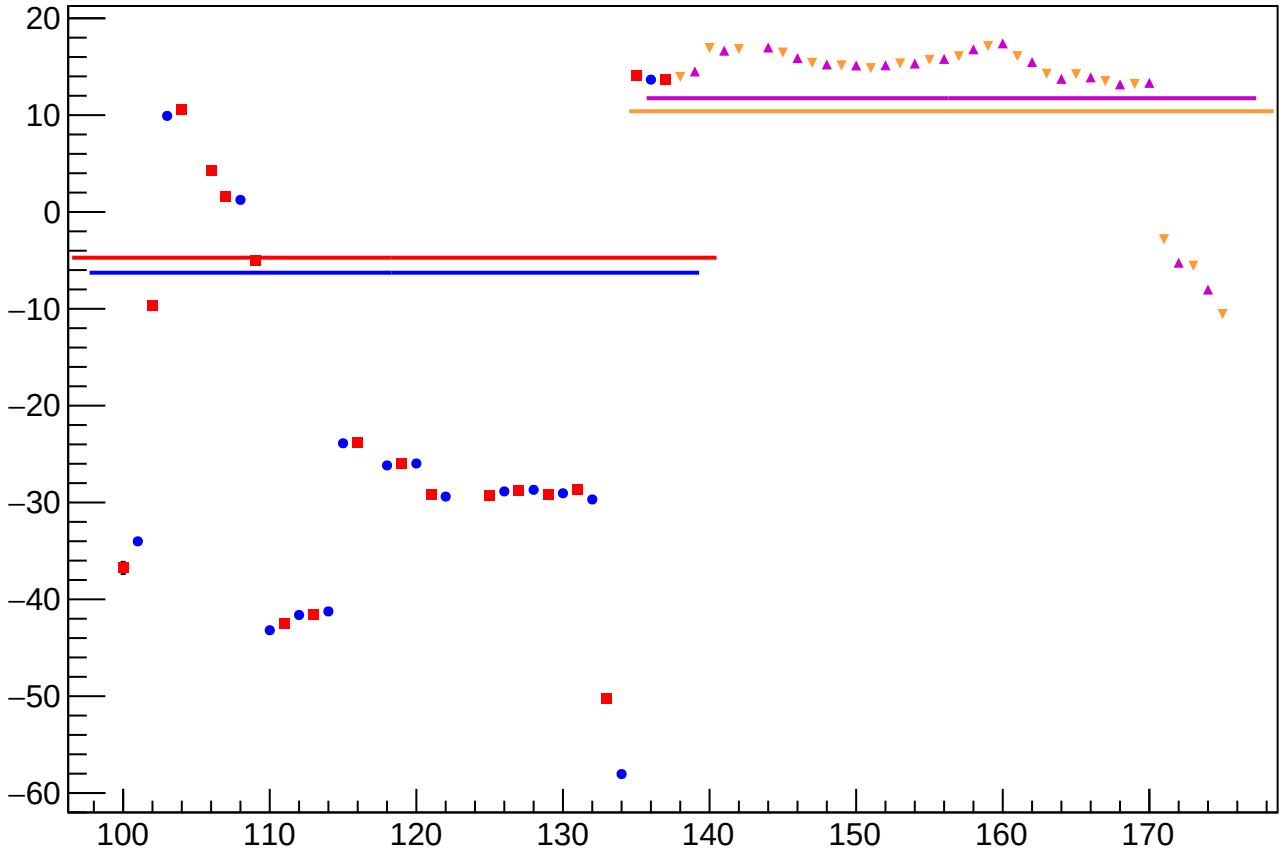
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -3.764+/-0.348 χ^2/NDF:307.5/17

+ sign 2.491+/-0.297 χ^2/NDF: 2873.7/34

All: 1.959+/-0.212 χ^2/NDF: 5586.1/70

- sign 1.406+/-0.303 χ^2/NDF: 2705.9/35



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 10.406+/-0.015 χ^2/NDF:360166.6/18

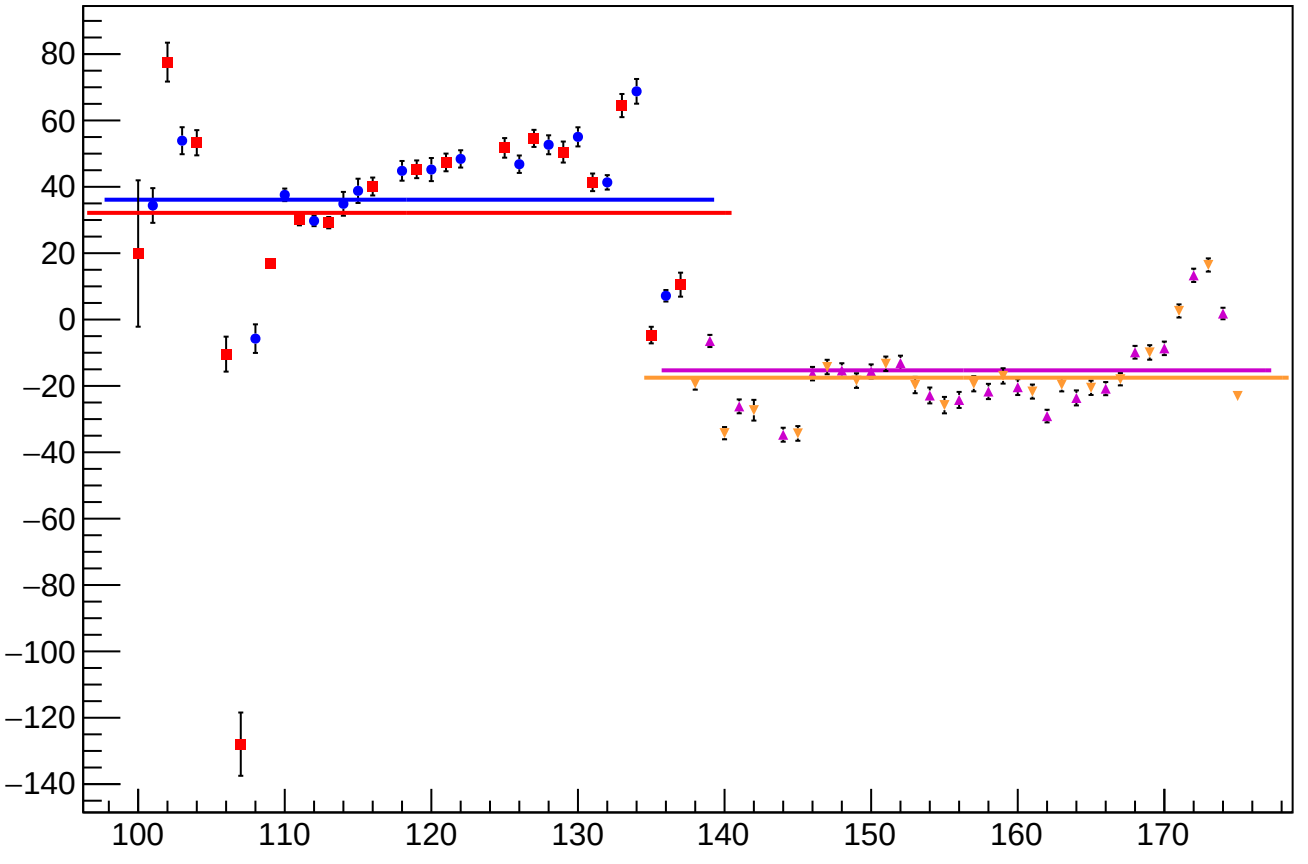
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 11.749+/-0.015 χ^2/NDF:275291.7/17

+ sign 7.548+/-0.014 χ^2/NDF: 977005.0/34

All: 8.229+/-0.010 χ^2/NDF: 1761837.6/70

- sign 8.923+/-0.014 χ^2/NDF: 779932.5/35



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -17.521+/-0.478 χ^2/NDF:595.5/18

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

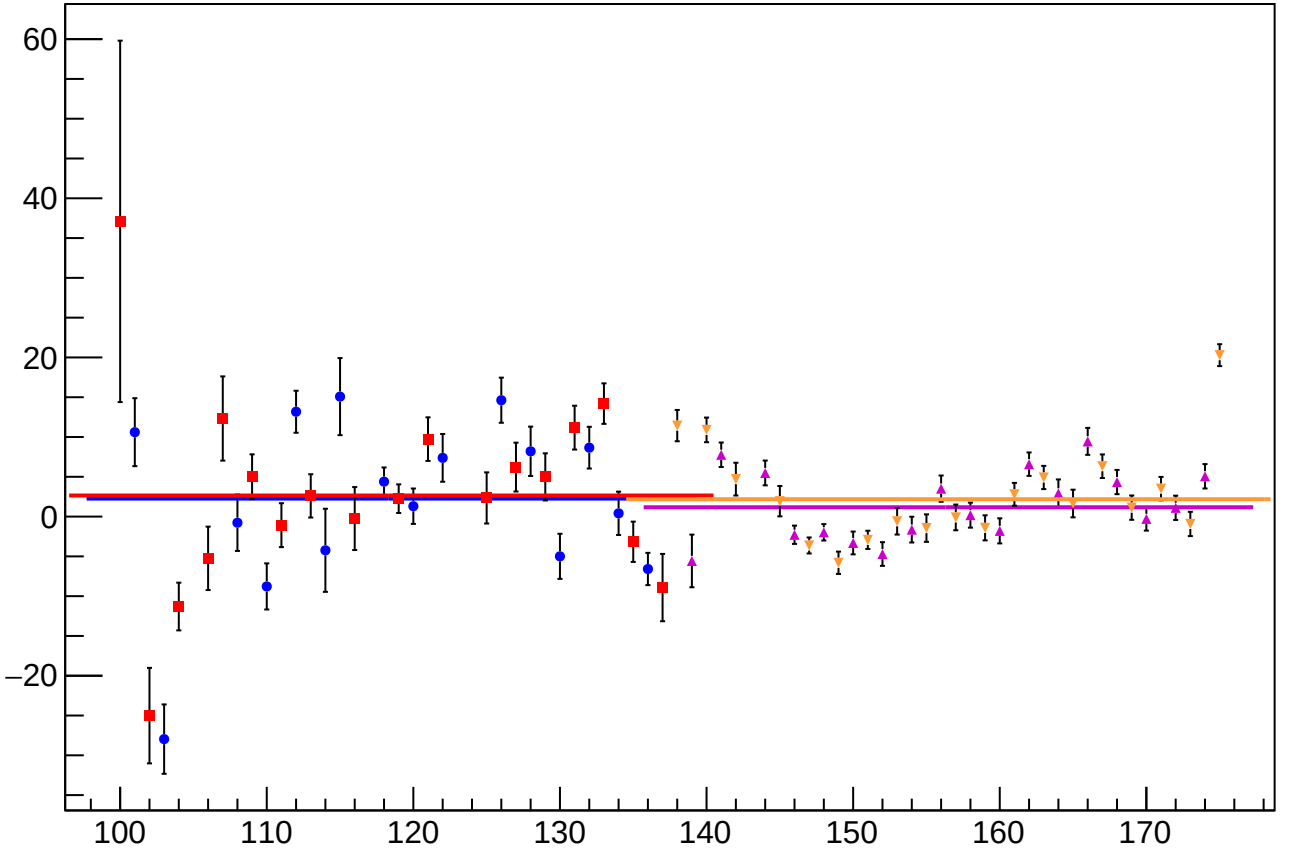
Left In: -15.306+/-0.491 χ^2/NDF:565.1/17

+ sign 1.066+/-0.386 χ^2/NDF: 5581.8/34

All: 1.826+/-0.274 χ^2/NDF: 10796.7/70

- sign 2.589+/-0.387 χ^2/NDF: 5207.2/35

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 2.182+/-0.343 χ^2/NDF:345.5/18

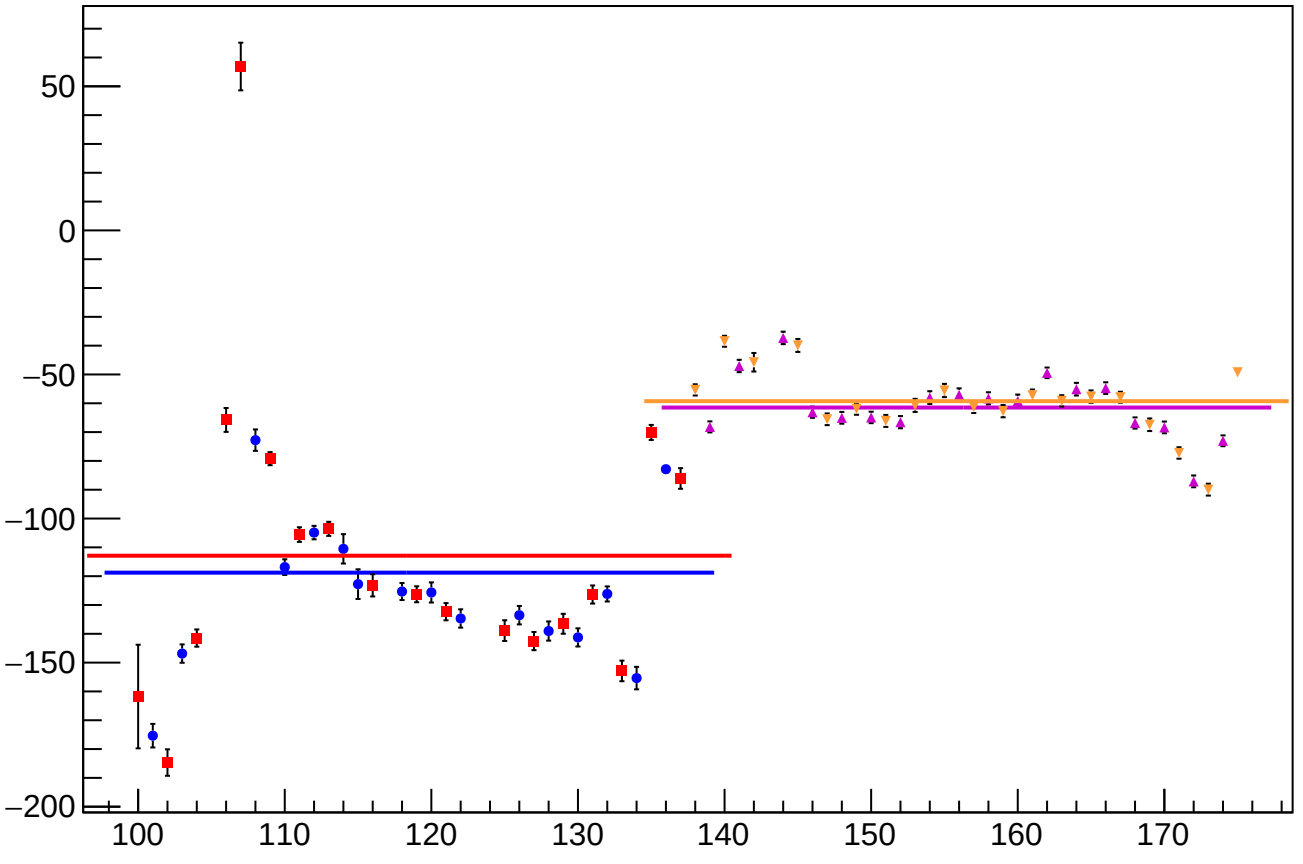
Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 1.174+/-0.354 χ^2/NDF:133.0/17

+ sign 2.198+/-0.308 χ^2/NDF: 497.5/34

All: 1.841+/-0.221 χ^2/NDF: 744.0/70

- sign 1.464+/-0.317 χ^2/NDF: 243.7/35



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -59.264+/-0.470 χ^2/NDF:608.8/18

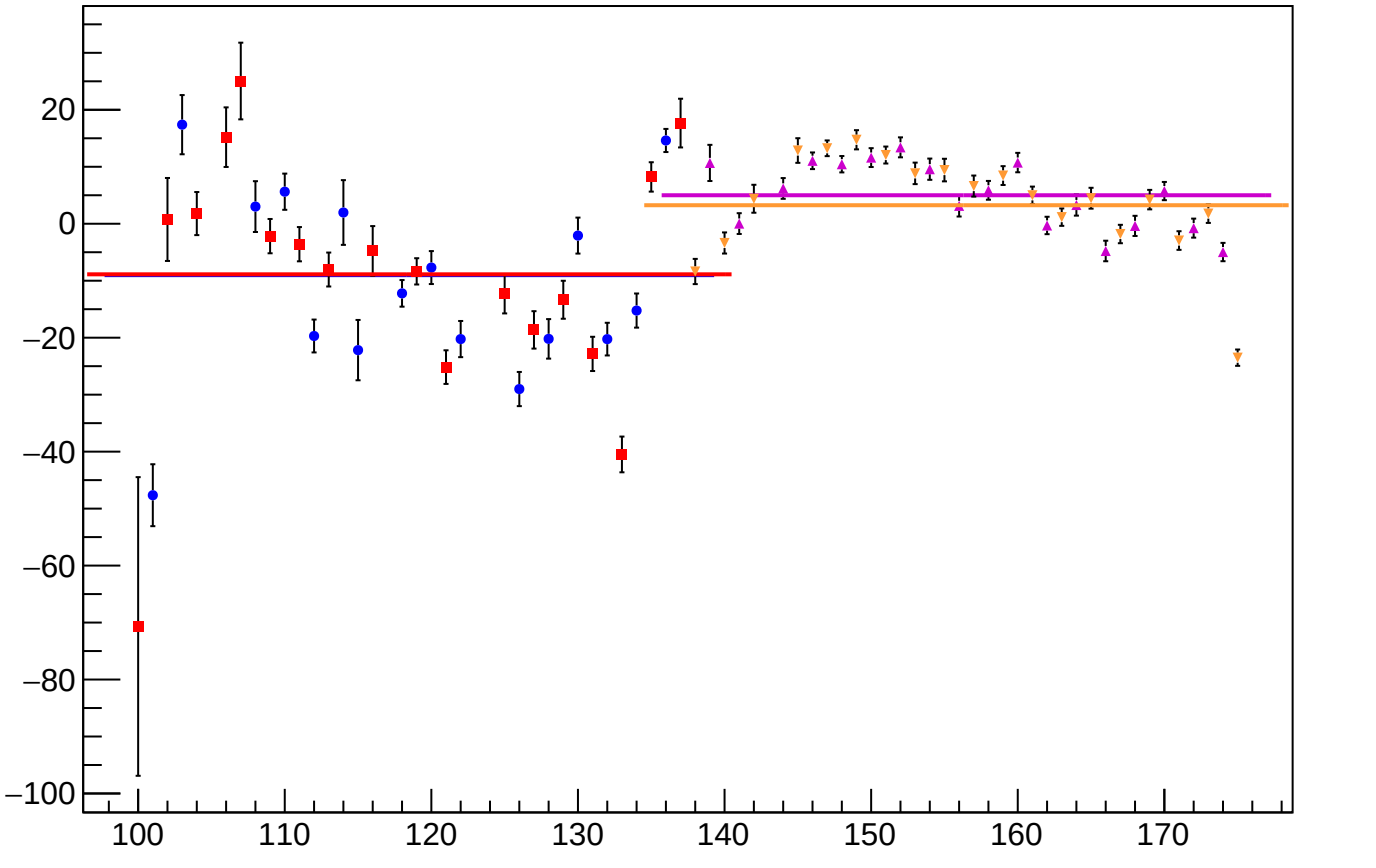
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -61.475+/-0.483 χ^2/NDF:480.1/17

+ sign -75.804+/-0.399 χ^2/NDF: 6193.3/34

All: -76.018+/-0.285 χ^2/NDF: 11792.3/70

- sign -76.241+/-0.408 χ^2/NDF: 5598.4/35



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 3.250+/-0.392 χ^2/NDF:603.7/18

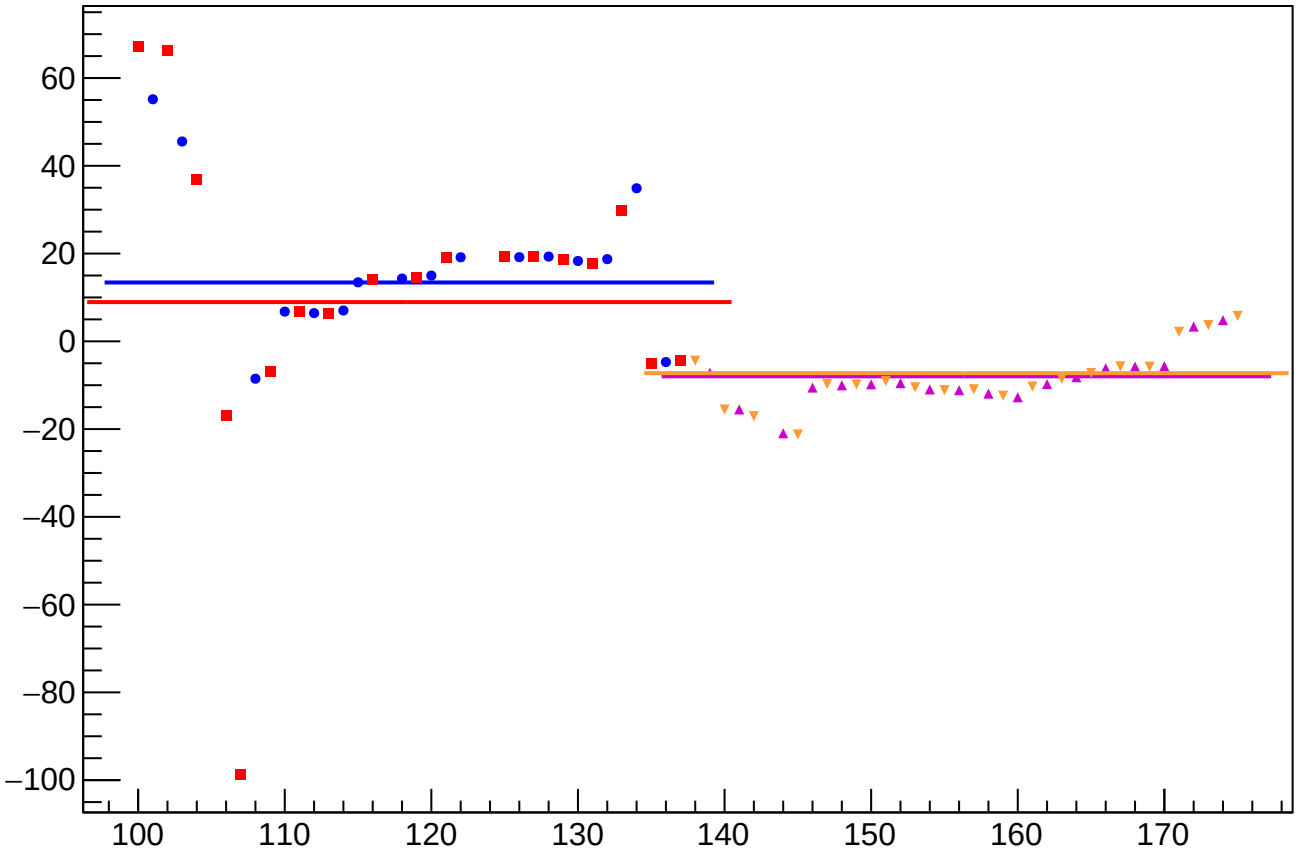
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 5.001+/-0.405 χ^2/NDF:202.3/17

\+ sign 0.856+/-0.351 χ^2/NDF: 1153.2/34

All: 1.523+/-0.252 χ^2/NDF: 1916.4/70

\- sign 2.231+/-0.362 χ^2/NDF: 755.8/35



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -7.255+/-0.018 χ^2/NDF:139140.8/18

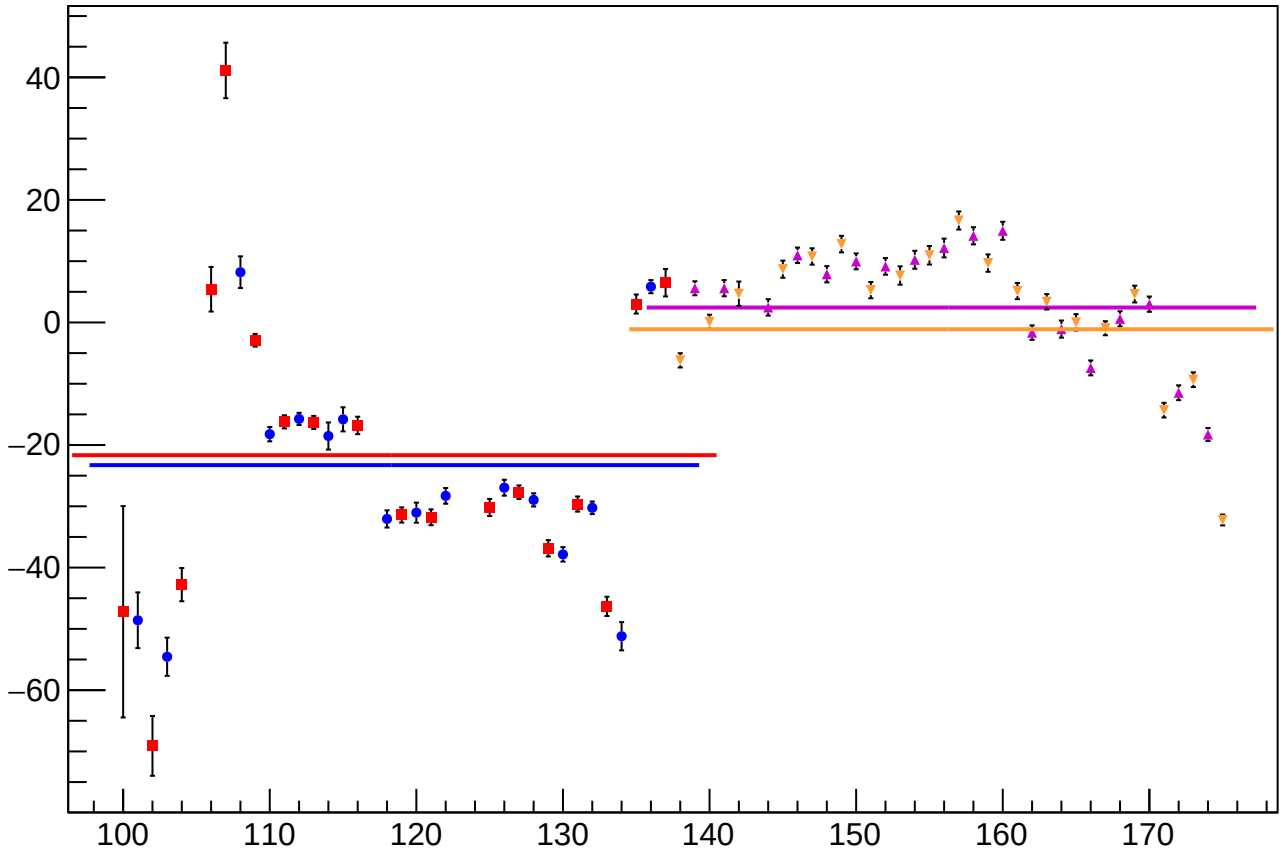
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -7.980+/-0.018 χ^2/NDF:104864.0/17

+ sign -4.520+/-0.016 χ^2/NDF: 503585.7/34

All: -5.197+/-0.012 χ^2/NDF: 1014719.9/70

- sign -5.890+/-0.017 χ^2/NDF: 507713.6/35



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -1.107+/-0.295 χ^2/NDF:2038.7/18

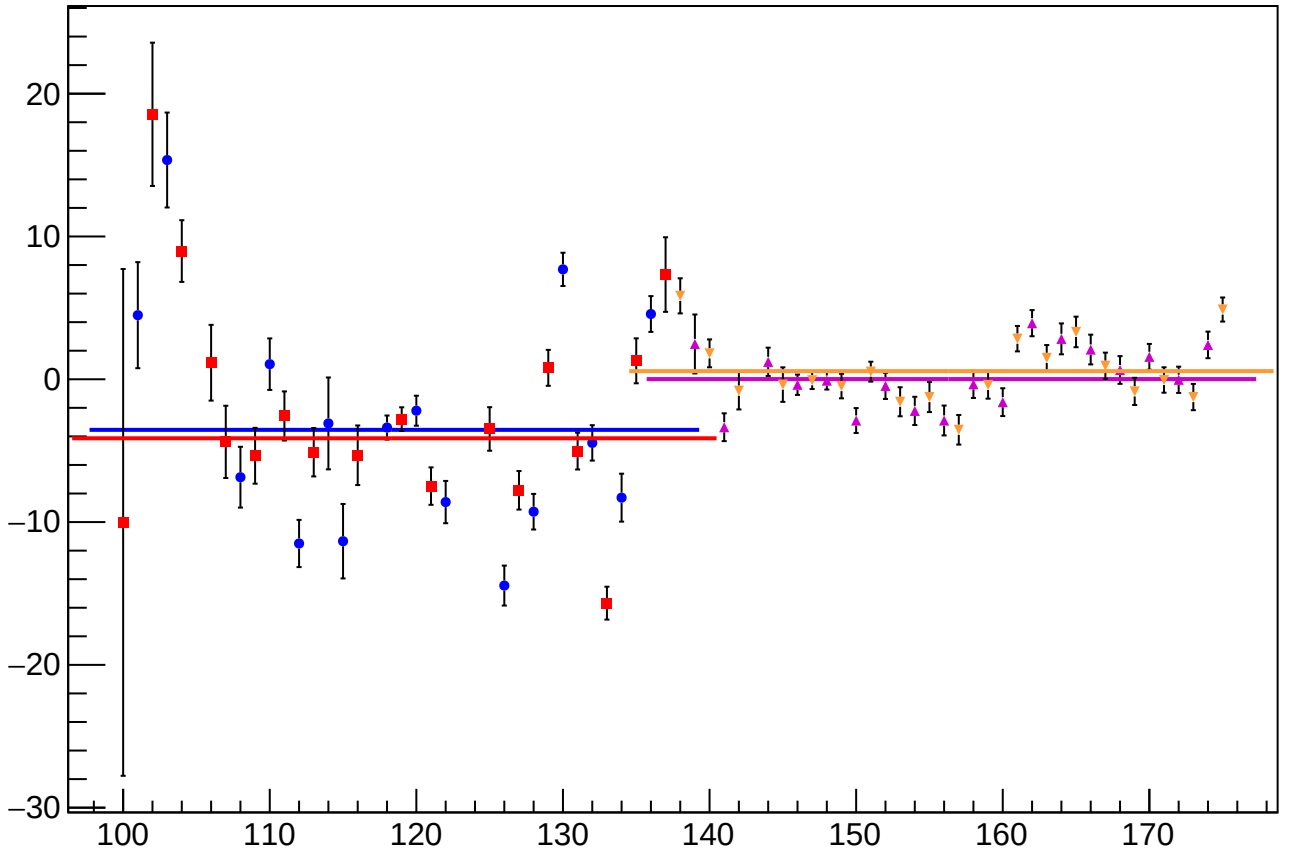
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 2.435+/-0.303 χ^2/NDF:947.8/17

+ sign -10.313+/-0.226 χ^2/NDF: 5948.7/34

All: -9.165+/-0.161 χ^2/NDF: 11492.7/70

- sign -7.990+/-0.228 χ^2/NDF: 5491.8/35



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.571+/-0.211 χ^2/NDF:95.5/18

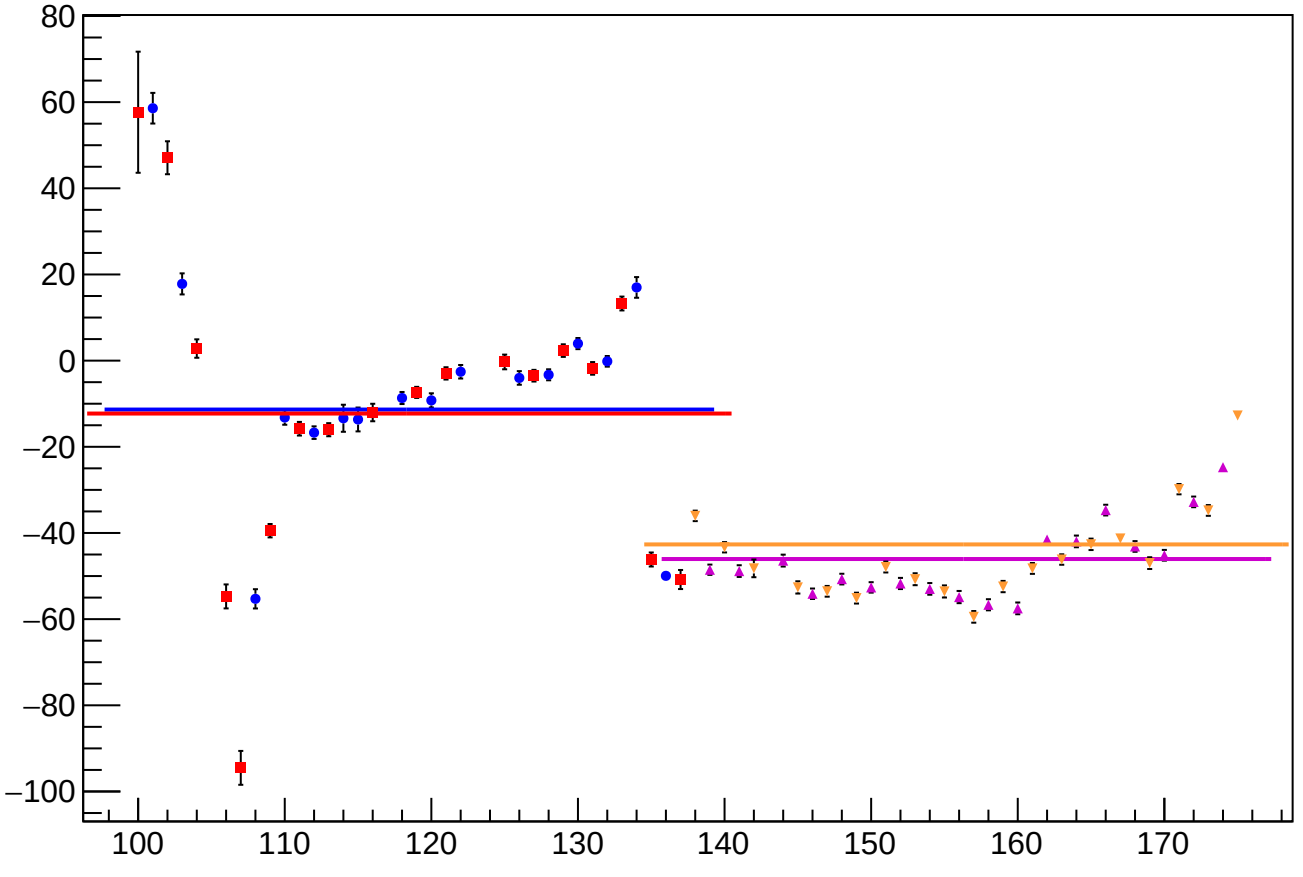
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 0.015+/-0.218 χ^2/NDF:81.3/17

\+ sign -0.471+/-0.183 χ^2/NDF: 508.3/34

All: -0.752+/-0.131 χ^2/NDF: 915.0/70

\- sign -1.051+/-0.188 χ^2/NDF: 401.8/35



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -42.656+/-0.290 χ^2/NDF:1917.2/18

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

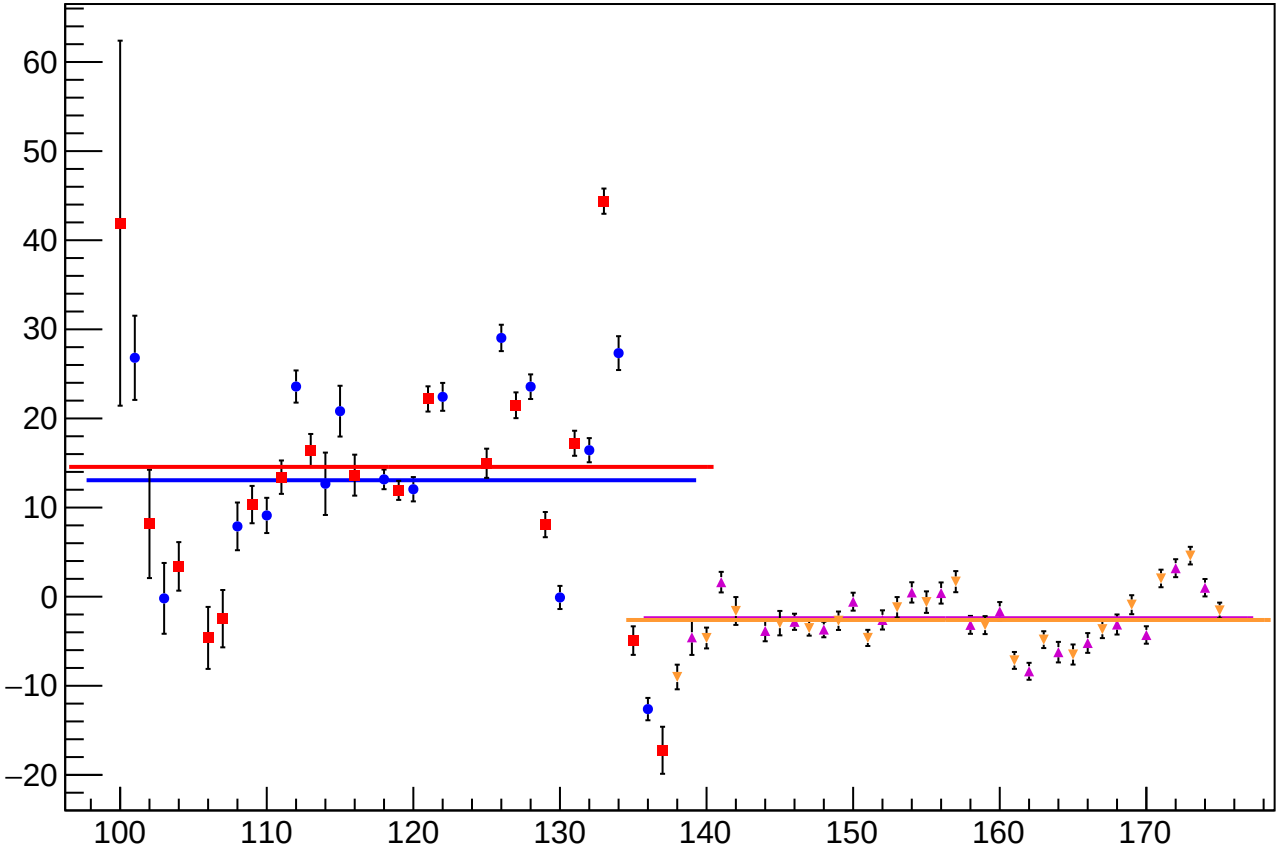
Left In: -46.046+/-0.298 χ^2/NDF:896.3/17

+ sign -32.074+/-0.236 χ^2/NDF: 8519.5/34

All: -33.240+/-0.169 χ^2/NDF: 16445.1/70

- sign -34.467+/-0.242 χ^2/NDF: 7875.5/35

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -2.616+/-0.241 χ^2/NDF:170.0/18

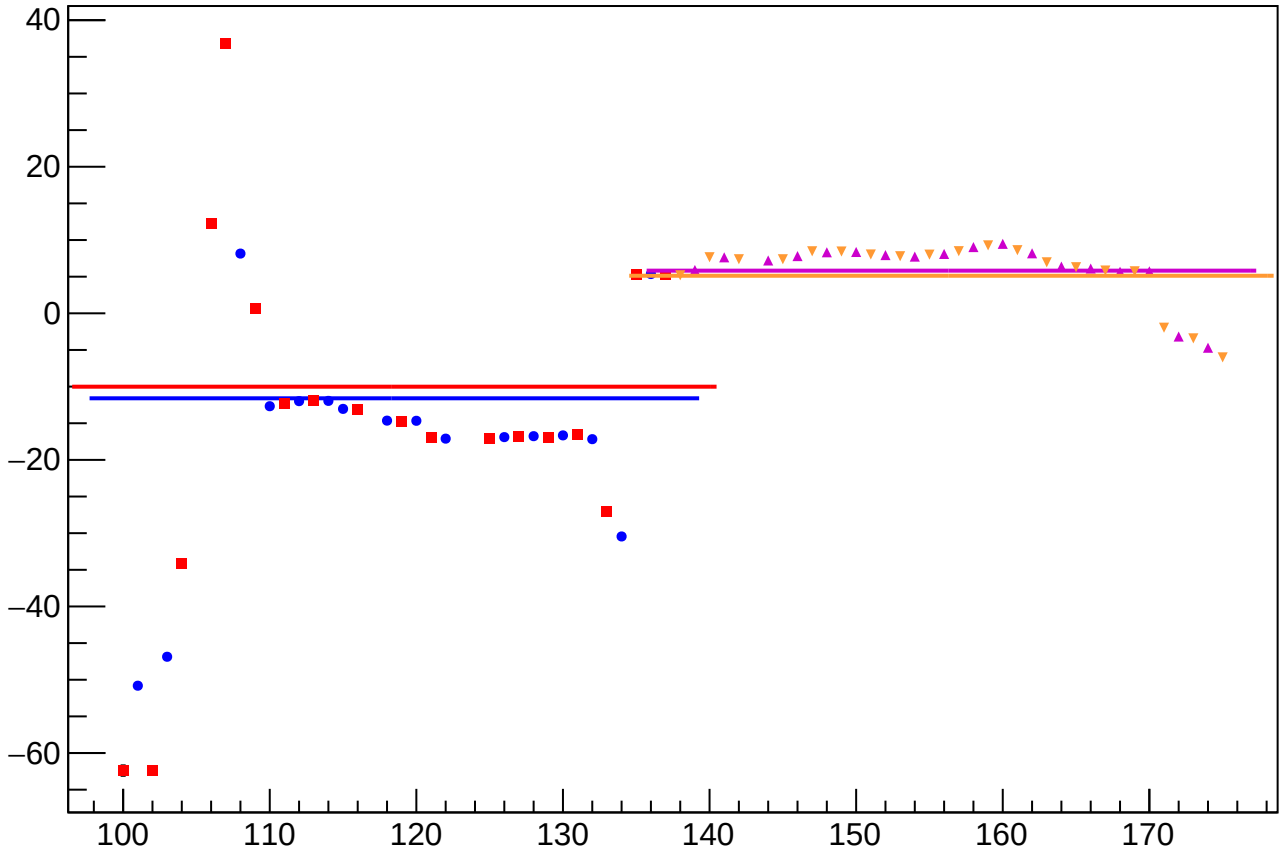
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.418+/-0.250 χ^2/NDF:138.0/17

+ sign 1.355+/-0.209 χ^2/NDF: 2101.1/34

All: 1.656+/-0.150 χ^2/NDF: 4343.9/70

- sign 1.976+/-0.215 χ^2/NDF: 2238.5/35



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 5.126+/-0.011 χ^2/NDF:188917.4/18

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

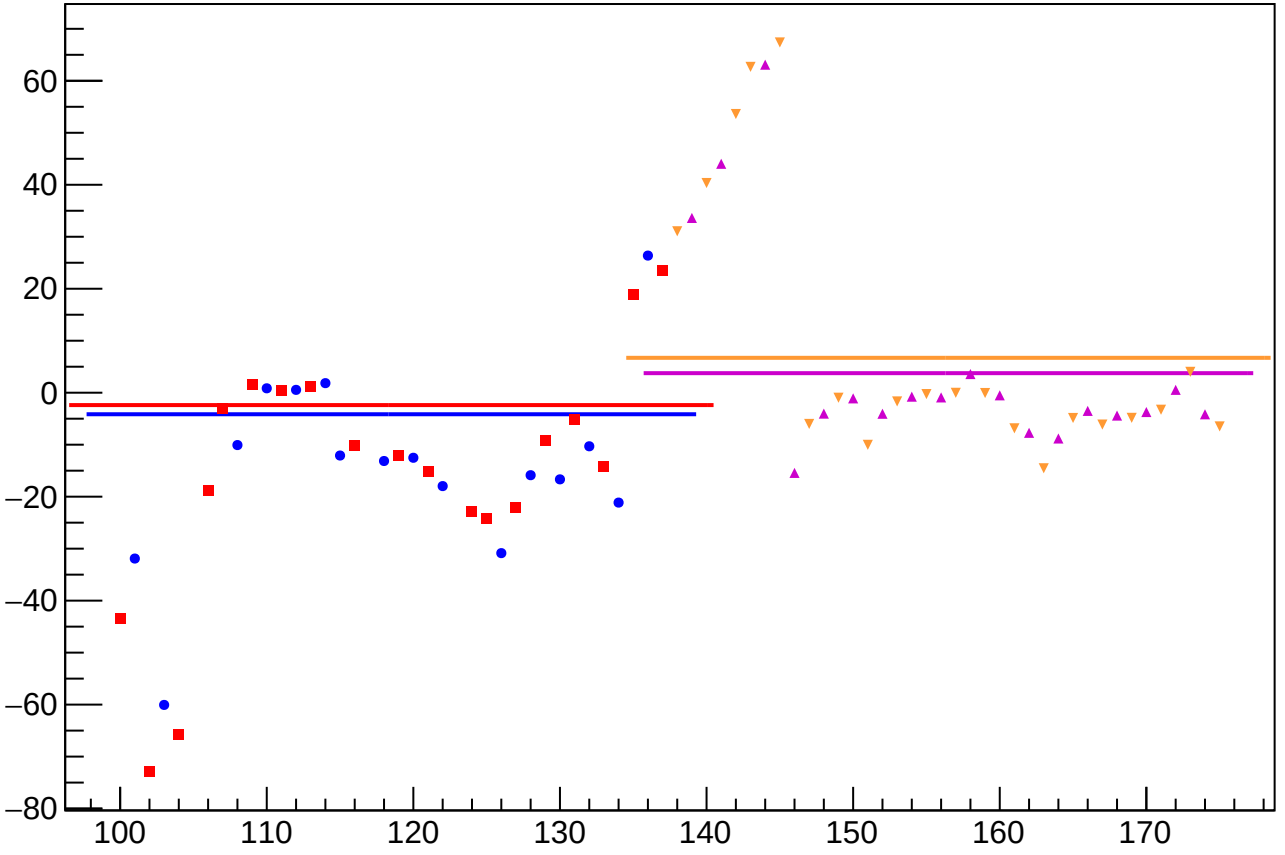
Left In: 5.822+/-0.011 χ^2/NDF:142040.0/17

+ sign 2.669+/-0.010 χ^2/NDF: 894055.3/34

All: 3.145+/-0.007 χ^2/NDF: 1723704.0/70

- sign 3.632+/-0.010 χ^2/NDF: 825145.2/35

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 6.711+/-0.053 χ^2/NDF:160307.0/19

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

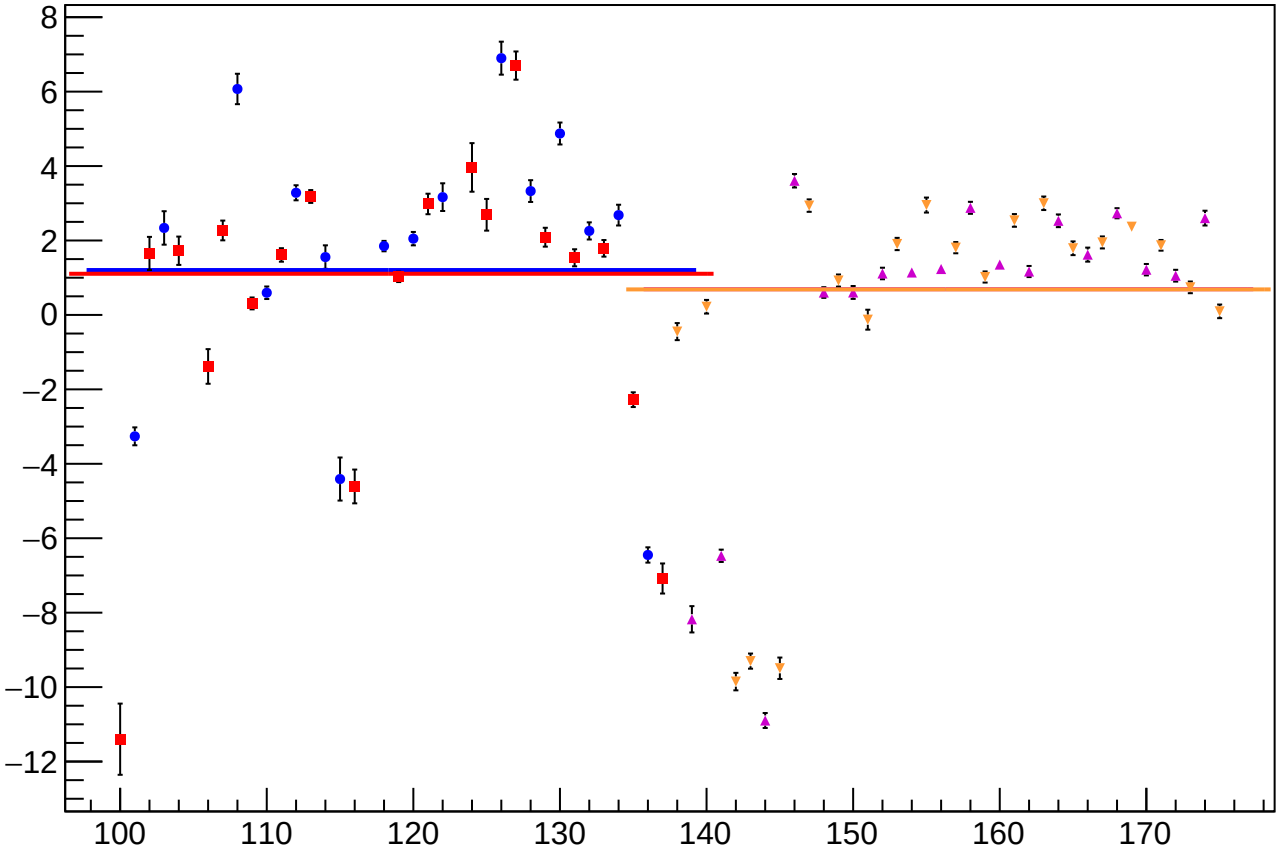
Left In: 3.759+/-0.050 χ^2/NDF:123127.0/17

\+ sign 1.422+/-0.038 χ^2/NDF: 255784.3/35

All: 0.887+/-0.025 χ^2/NDF: 468232.7/72

\- sign 0.468+/-0.034 χ^2/NDF: 212097.8/36

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.686+/-0.039 χ^2/NDF:6746.9/19

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

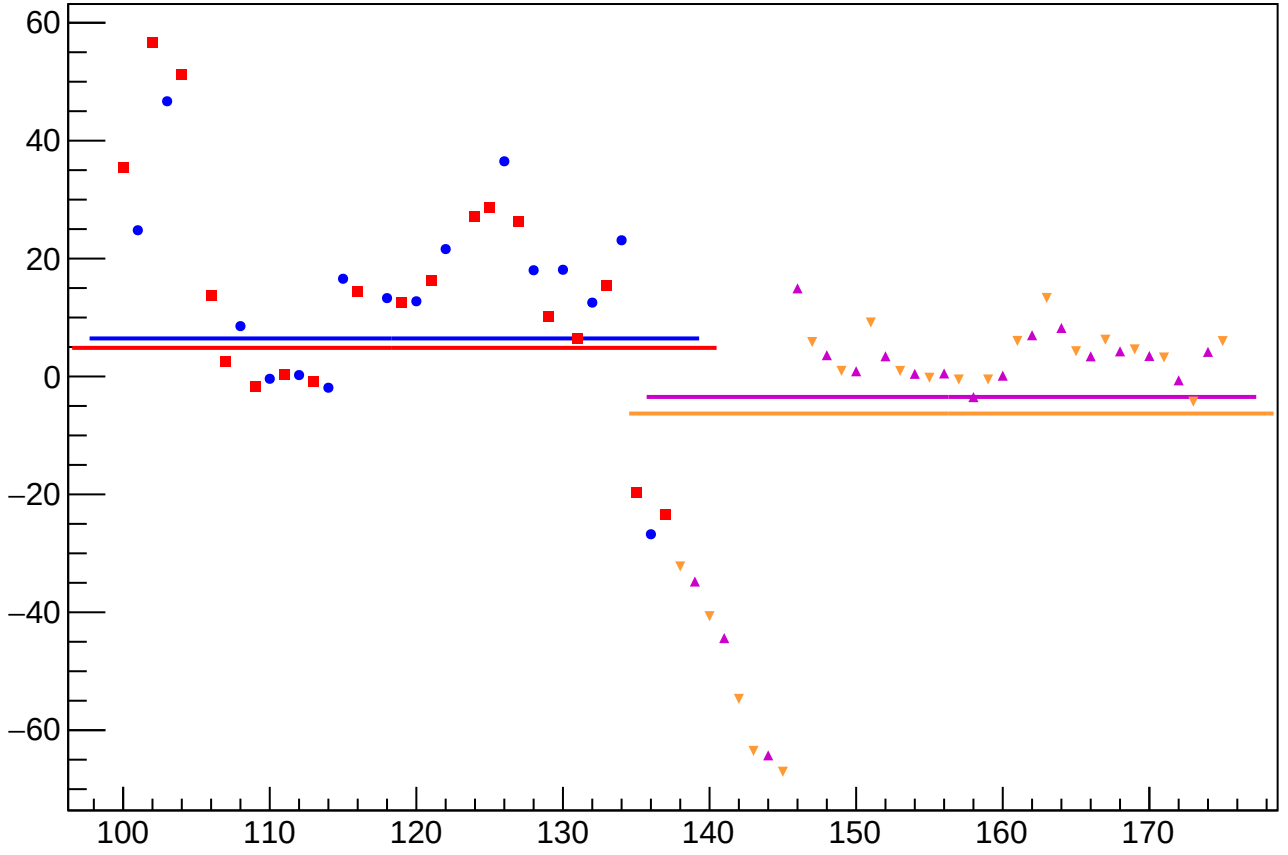
Left In: 0.691+/-0.036 χ^2/NDF:6821.9/17

+ sign 0.841+/-0.033 χ^2/NDF: 9383.5/35

All: 0.824+/-0.022 χ^2/NDF: 17830.7/72

- sign 0.809+/-0.030 χ^2/NDF: 8446.7/36

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -6.285+/-0.052 χ^2/NDF:155260.5/19

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

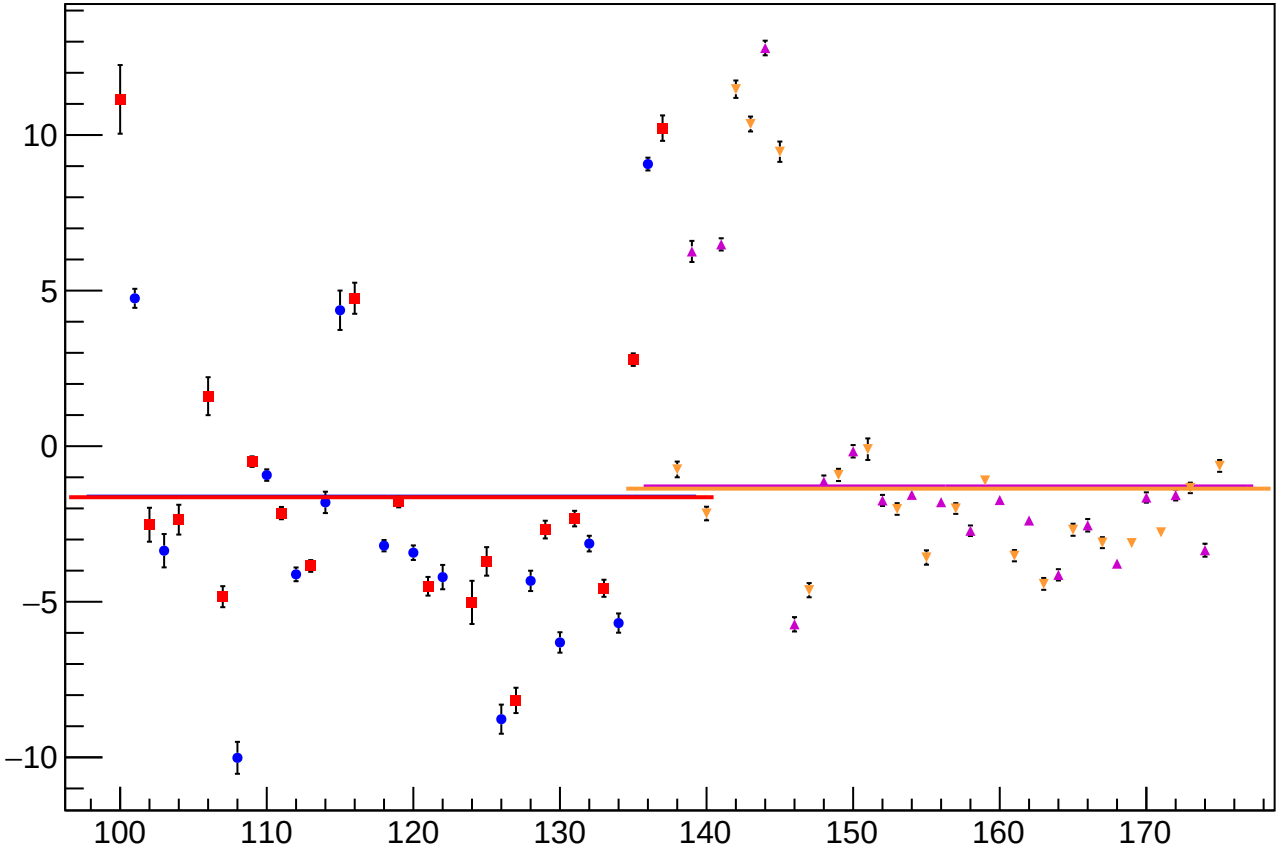
Left In: -3.468+/-0.048 χ^2/NDF:120360.1/17

+ sign -1.278+/-0.041 χ^2/NDF: 249089.5/35

All: -0.660+/-0.028 χ^2/NDF: 457020.5/72

- sign -0.144+/-0.037 χ^2/NDF: 207511.5/36

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.365+/-0.044 χ^2/NDF:6724.5/19

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

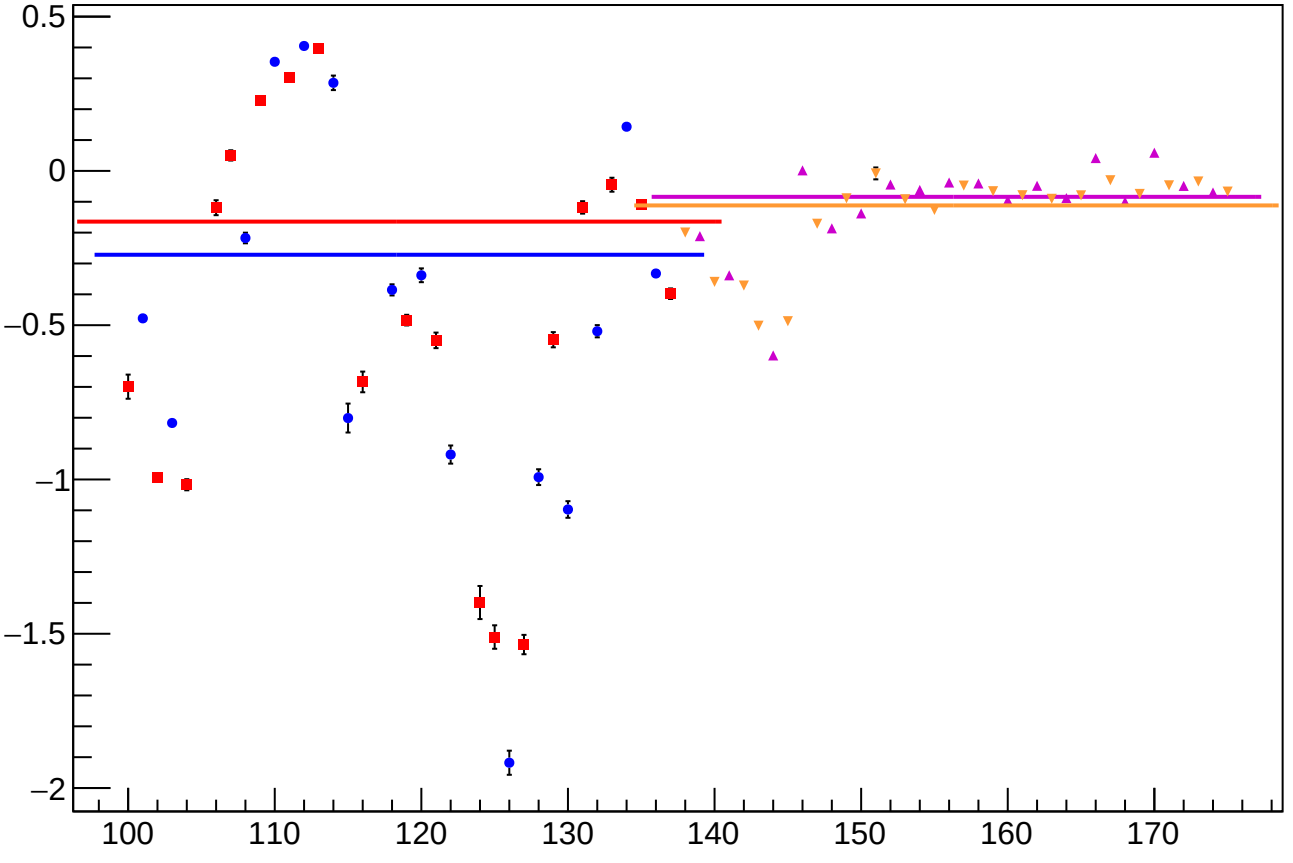
Left In: -1.294+/-0.041 χ^2/NDF:6836.7/17

+ sign -1.439+/-0.037 χ^2/NDF: 11259.5/35

All: -1.413+/-0.025 χ^2/NDF: 20579.8/72

- sign -1.392+/-0.034 χ^2/NDF: 9319.5/36

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.112+/-0.002 χ^2/NDF:3485.0/19

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

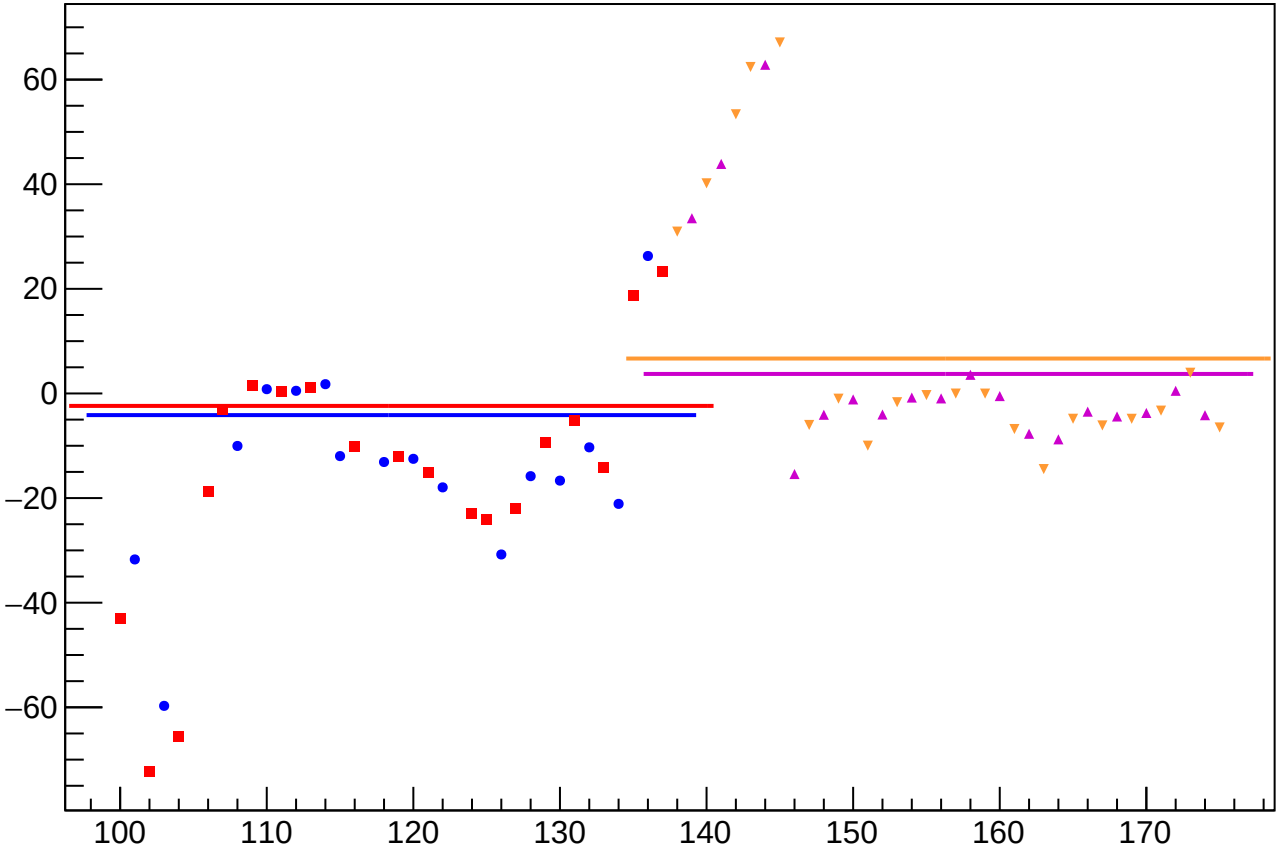
Left In: -0.084+/-0.002 χ^2/NDF:3685.7/17

+ sign -0.140+/-0.002 χ^2/NDF: 16749.0/35

All: -0.117+/-0.001 χ^2/NDF: 36632.8/72

- sign -0.098+/-0.002 χ^2/NDF: 19553.8/36

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 6.675+/-0.053 χ^2/NDF:160075.9/19

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

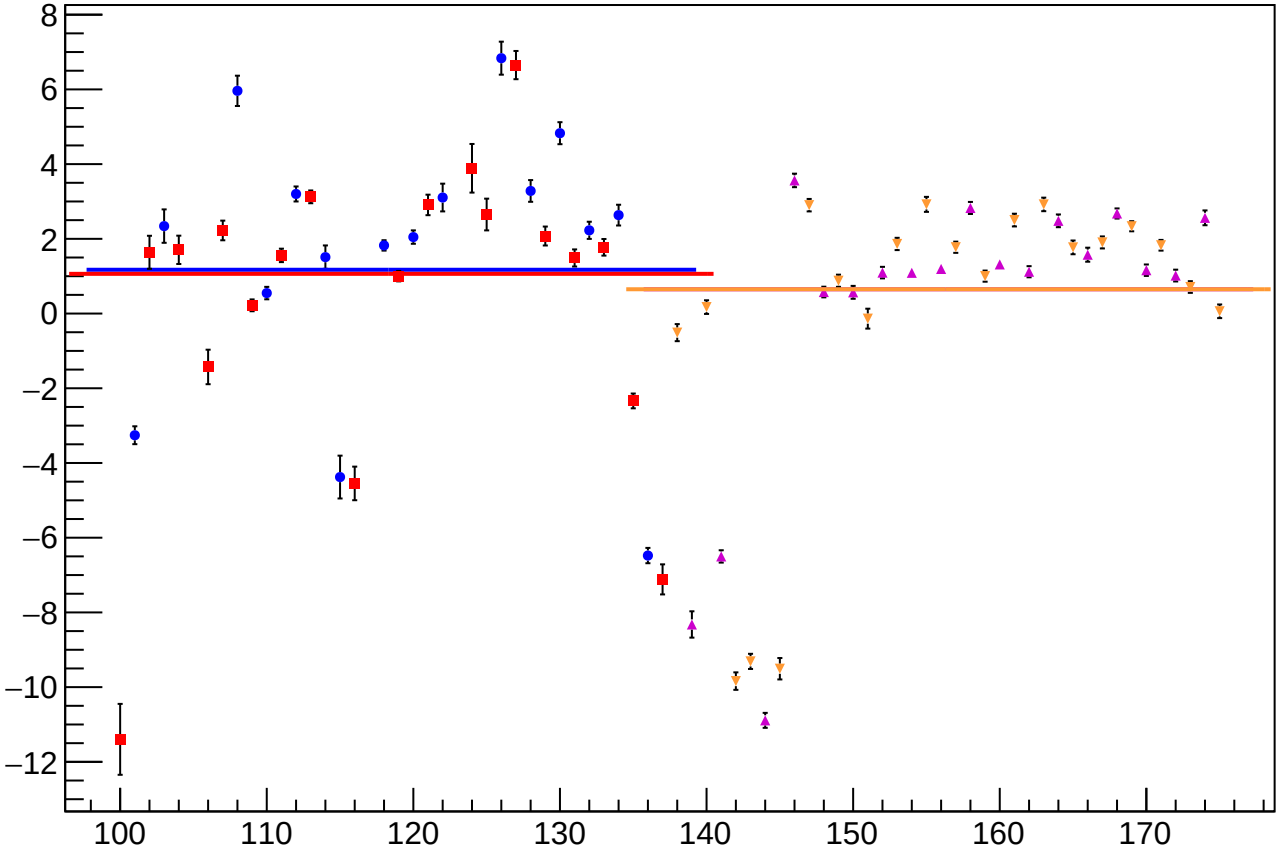
Left In: 3.730+/-0.049 χ^2/NDF:123016.0/17

+ sign 1.391+/-0.038 χ^2/NDF: 255562.8/35

All: 0.860+/-0.025 χ^2/NDF: 467806.9/72

- sign 0.444+/-0.034 χ^2/NDF: 211896.1/36

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.650+/-0.039 χ^2/NDF:6751.0/19

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

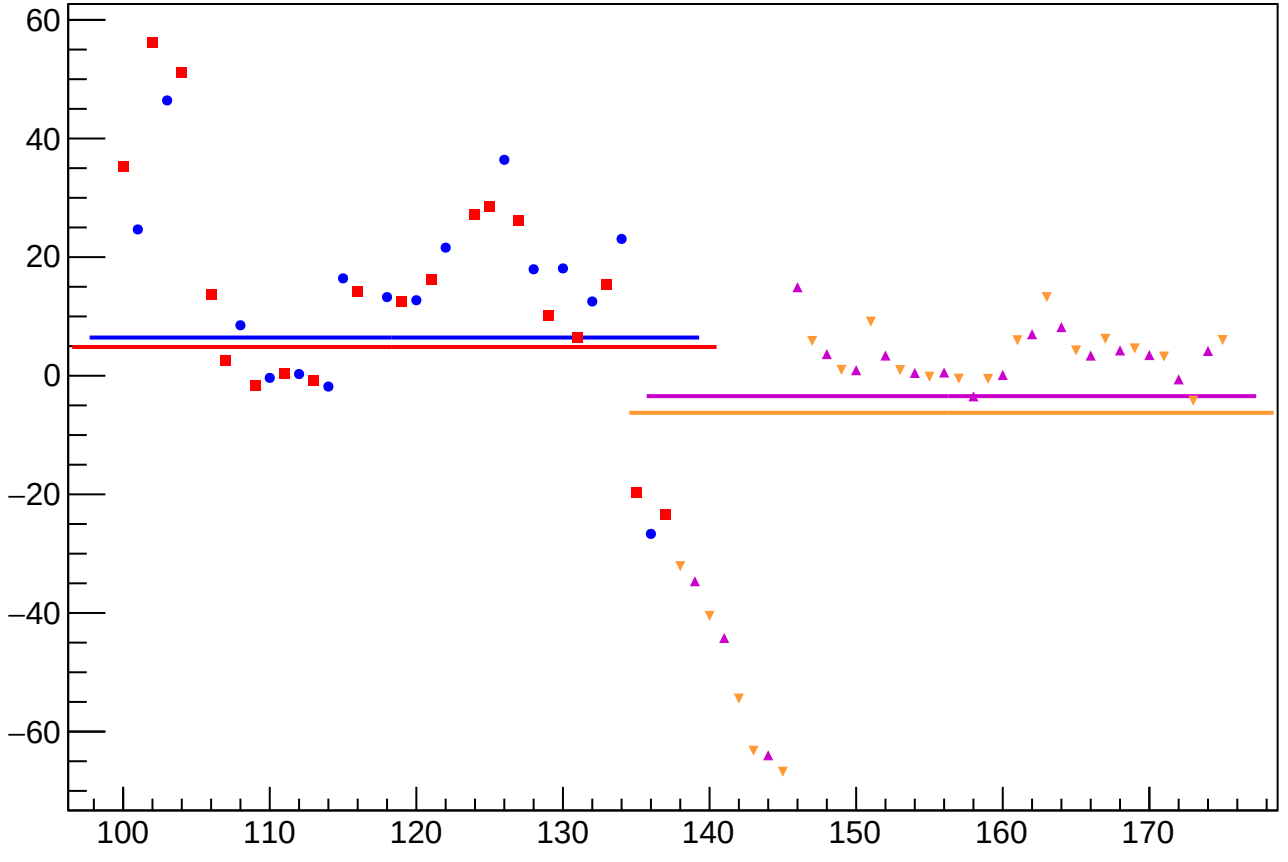
Left In: 0.649+/-0.036 χ^2/NDF:6838.3/17

+ sign 0.806+/-0.033 χ^2/NDF: 9388.3/35

All: 0.785+/-0.022 χ^2/NDF: 17861.6/72

- sign 0.767+/-0.030 χ^2/NDF: 8472.6/36

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -6.251+/-0.052 χ^2/NDF:155032.9/19

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

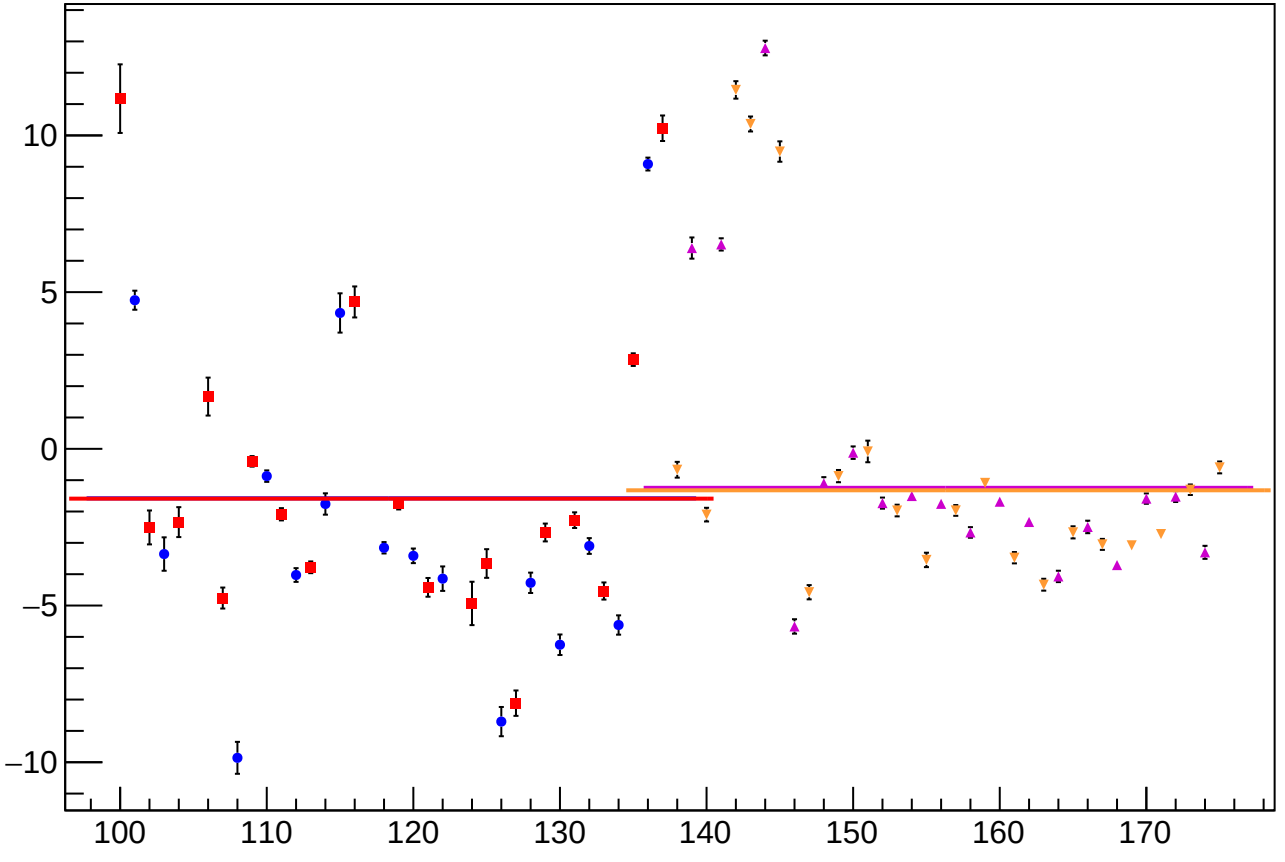
Left In: -3.439+/-0.048 χ^2/NDF:120246.8/17

+ sign -1.247+/-0.041 χ^2/NDF: 248866.9/35

All: -0.632+/-0.027 χ^2/NDF: 456586.2/72

- sign -0.117+/-0.037 χ^2/NDF: 207299.9/36

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.323+/-0.044 χ^2/NDF:6723.2/19

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

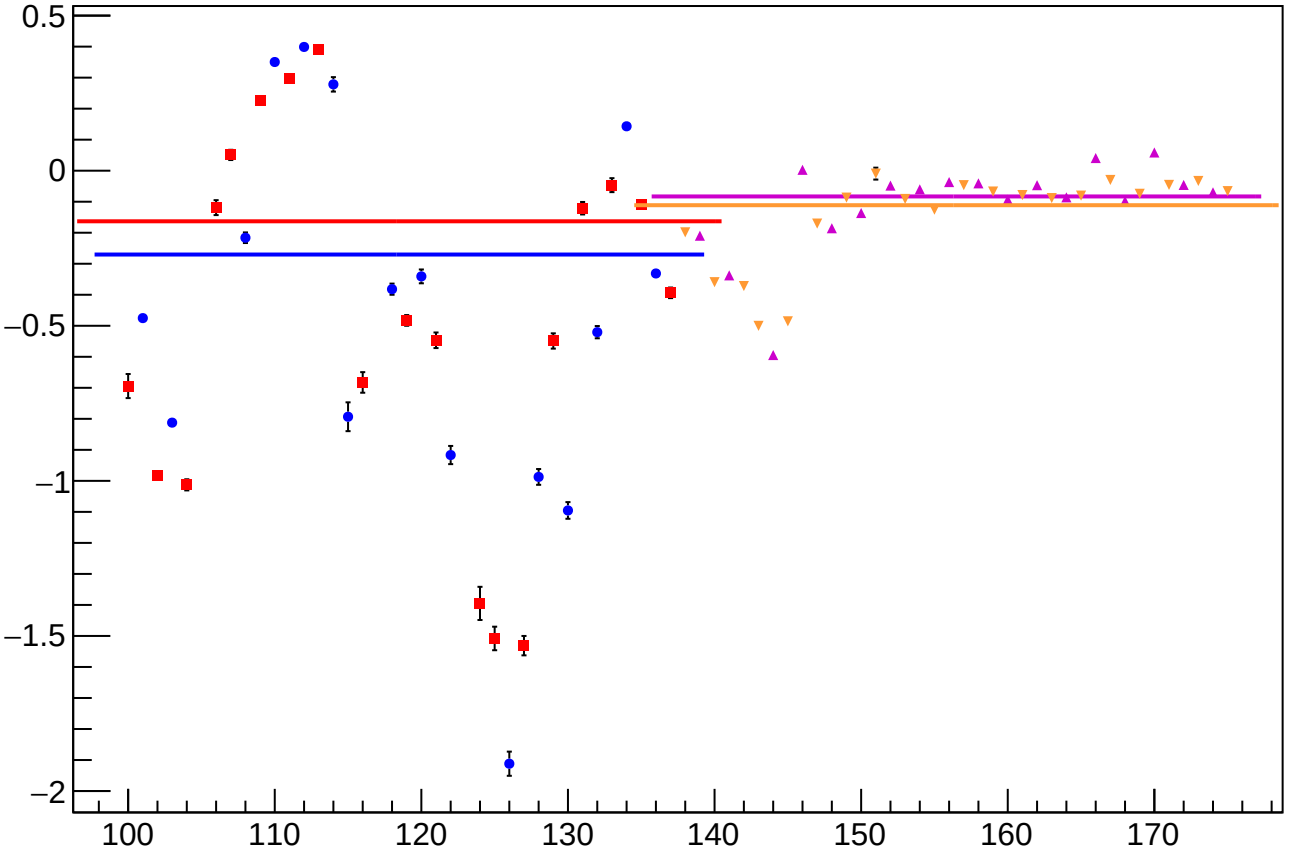
Left In: -1.244+/-0.040 χ^2/NDF:6851.4/17

+ sign -1.397+/-0.037 χ^2/NDF: 11257.2/35

All: -1.367+/-0.025 χ^2/NDF: 20602.7/72

- sign -1.342+/-0.034 χ^2/NDF: 9344.3/36

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.111+/-0.002 χ^2/NDF:3501.5/19

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

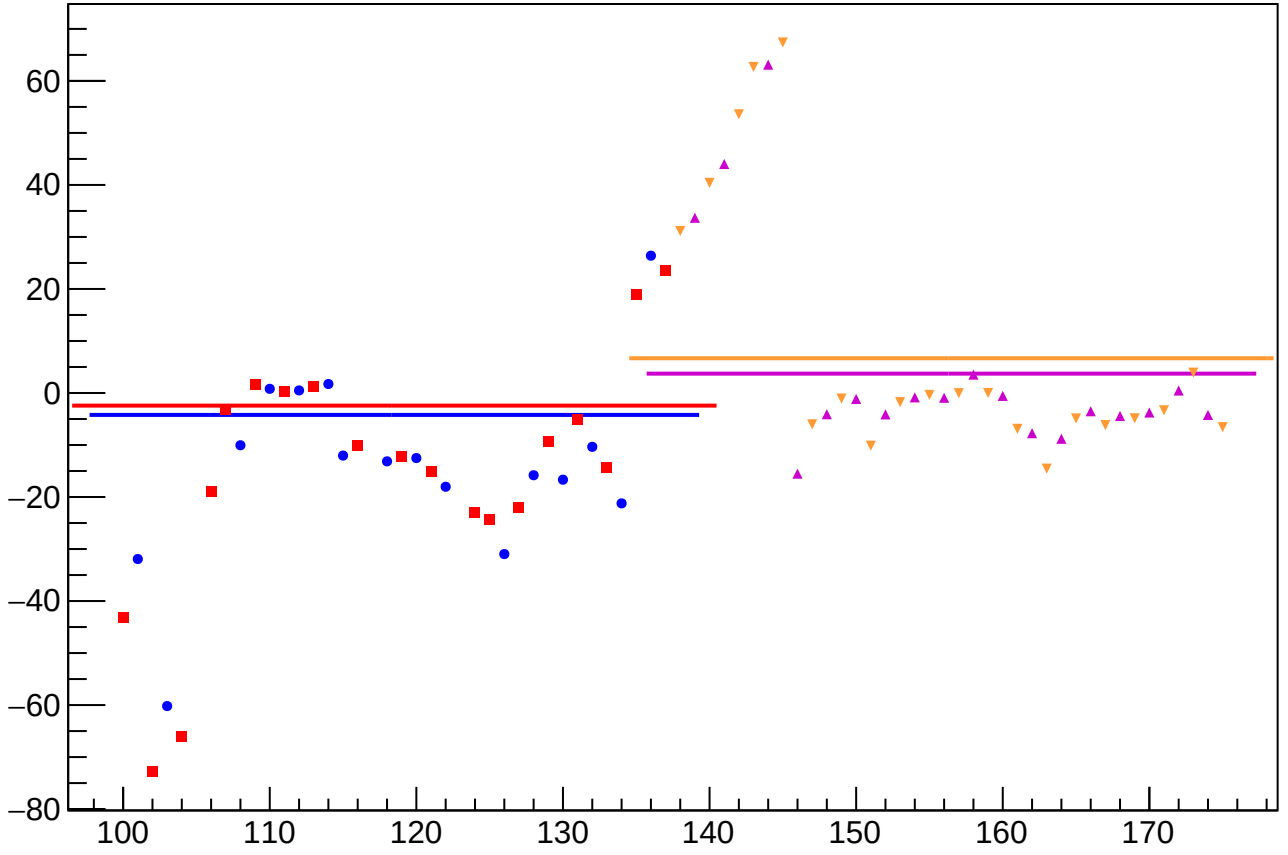
Left In: -0.083+/-0.002 χ^2/NDF:3669.8/17

+ sign -0.140+/-0.002 χ^2/NDF: 16752.4/35

All: -0.116+/-0.001 χ^2/NDF: 36642.0/72

- sign -0.097+/-0.002 χ^2/NDF: 19552.4/36

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 6.680+/-0.053 χ^2/NDF:160447.0/19

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

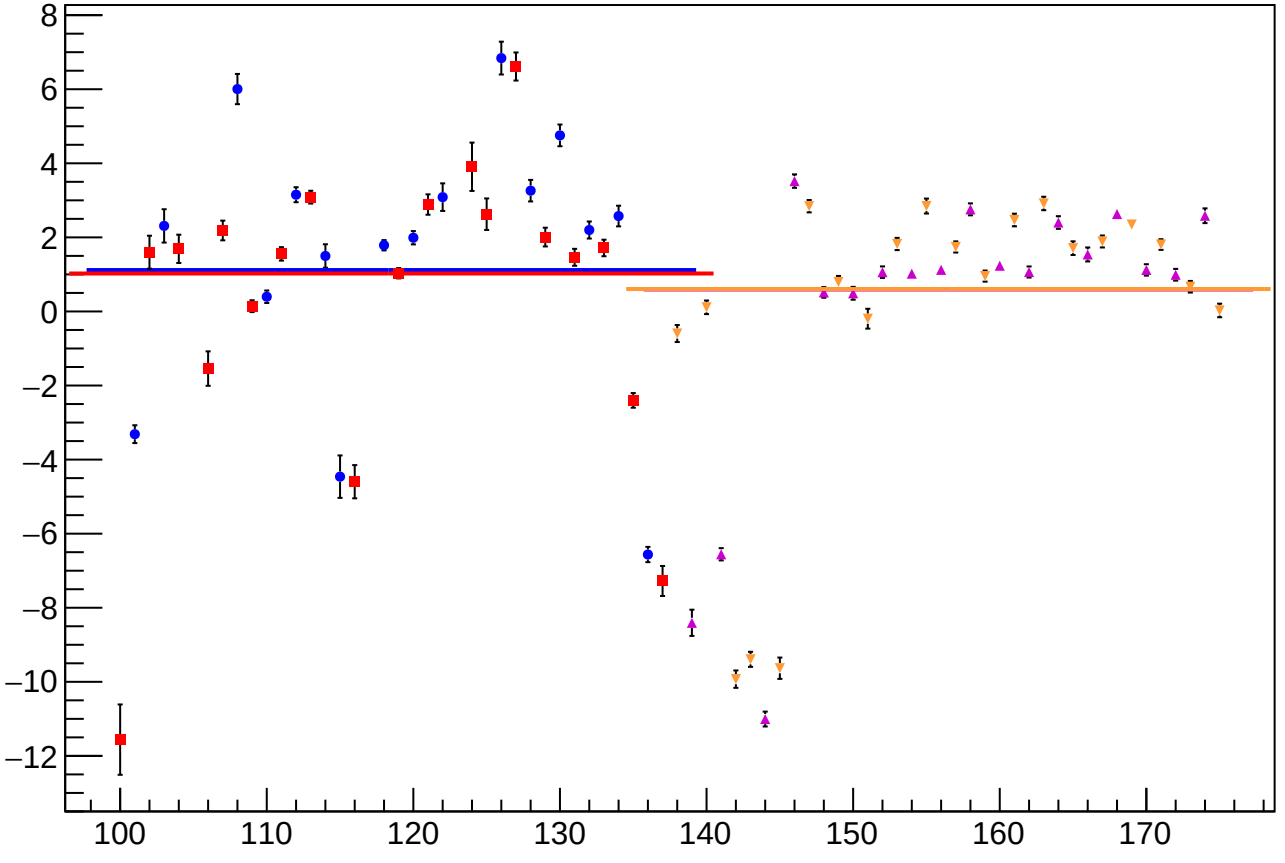
Left In: 3.721+/-0.050 χ^2/NDF:123148.6/17

+ sign 1.370+/-0.038 χ^2/NDF: 255987.7/35

All: 0.841+/-0.025 χ^2/NDF: 468430.8/72

- sign 0.426+/-0.034 χ^2/NDF: 212100.9/36

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.606+/-0.039 χ^2/NDF:6772.5/19

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

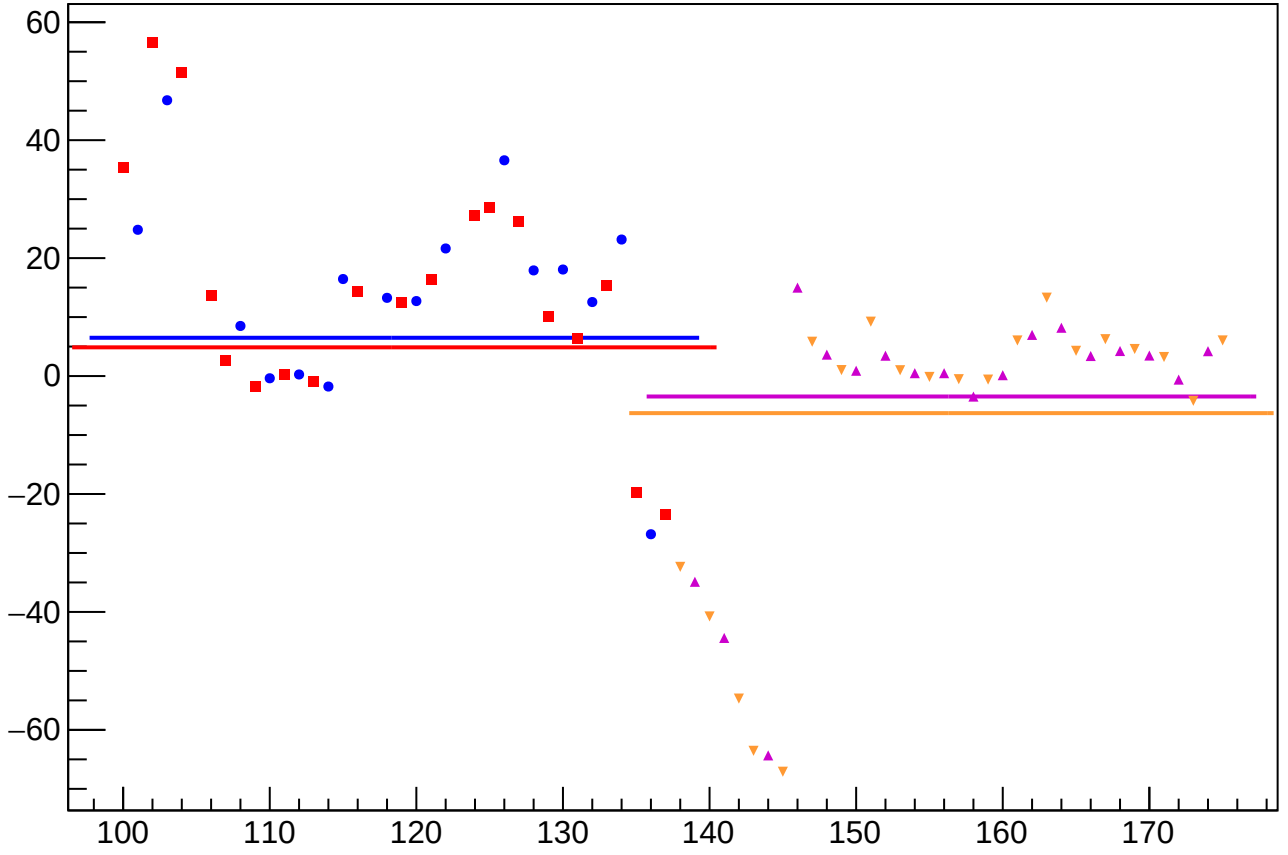
Left In: 0.592+/-0.036 χ^2/NDF:6825.0/17

+ sign 0.759+/-0.033 χ^2/NDF: 9414.6/35

All: 0.735+/-0.022 χ^2/NDF: 17893.3/72

- sign 0.715+/-0.031 χ^2/NDF: 8477.8/36

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -6.287+/-0.053 χ^2/NDF:155408.7/19

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

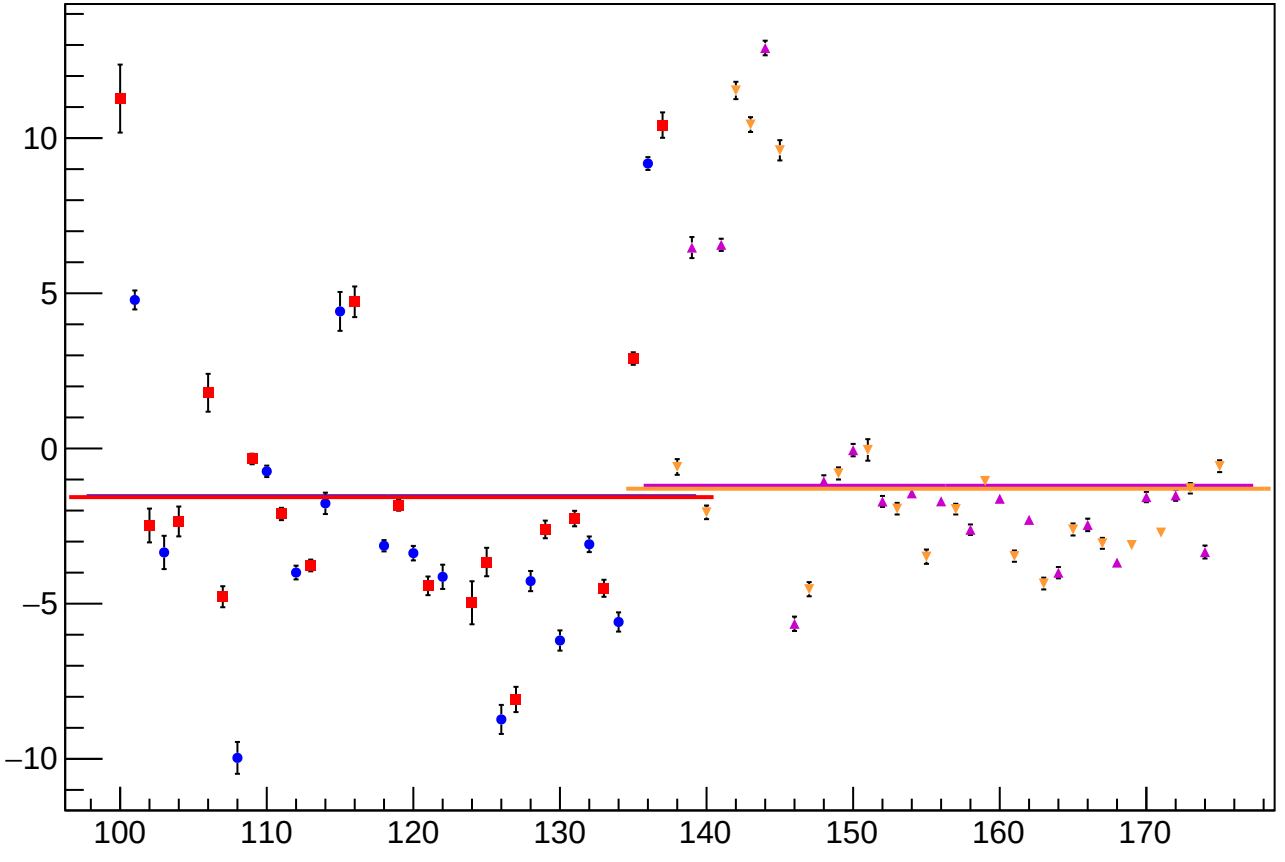
Left In: -3.466+/-0.048 χ^2/NDF:120388.1/17

+ sign -1.260+/-0.041 χ^2/NDF: 249317.9/35

All: -0.647+/-0.028 χ^2/NDF: 457285.0/72

- sign -0.136+/-0.037 χ^2/NDF: 207556.2/36

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.296+/-0.044 χ^2/NDF:6747.9/19

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

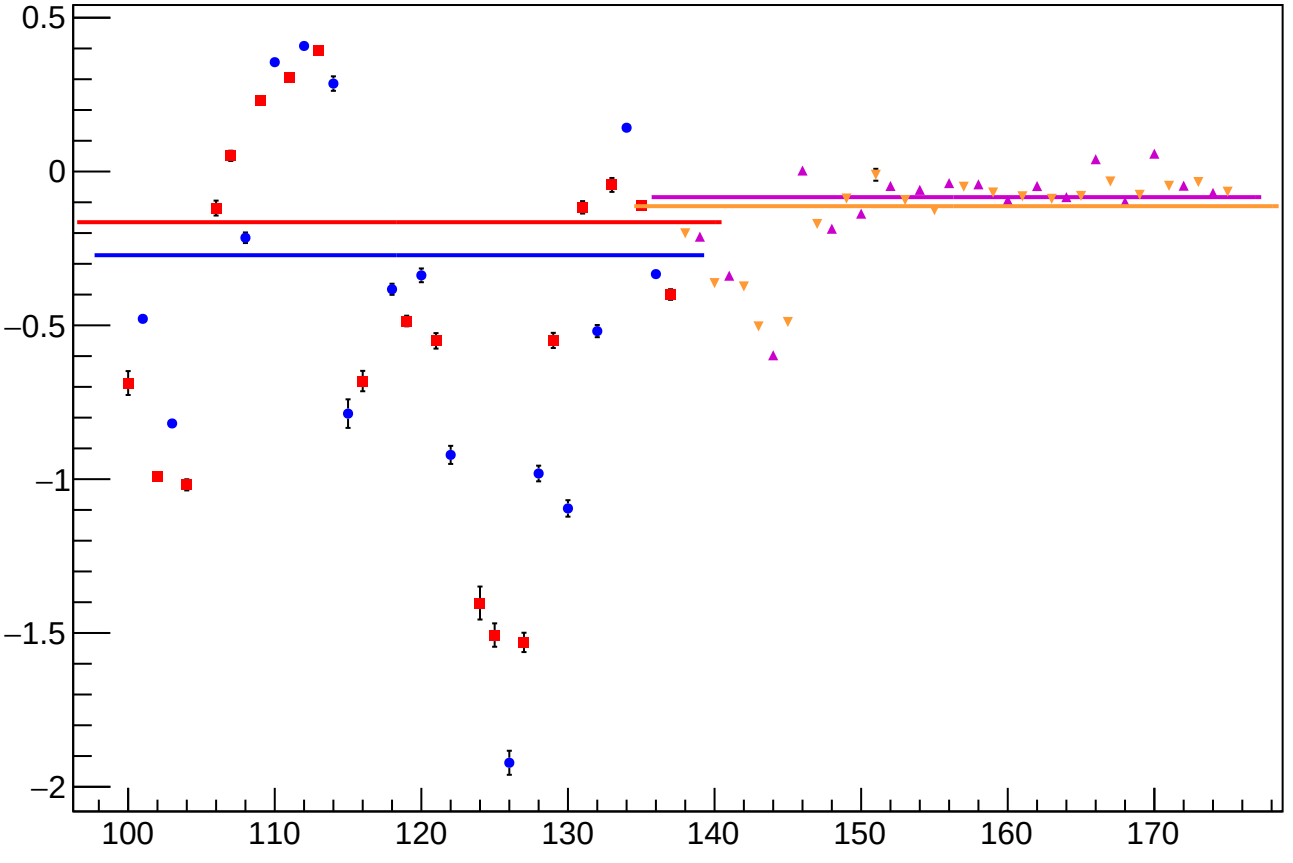
Left In: -1.202+/-0.041 χ^2/NDF:6842.4/17

+ sign -1.366+/-0.037 χ^2/NDF: 11292.6/35

All: -1.333+/-0.025 χ^2/NDF: 20656.4/72

- sign -1.305+/-0.034 χ^2/NDF: 9362.4/36

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.113+/-0.002 χ^2/NDF:3502.7/19

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

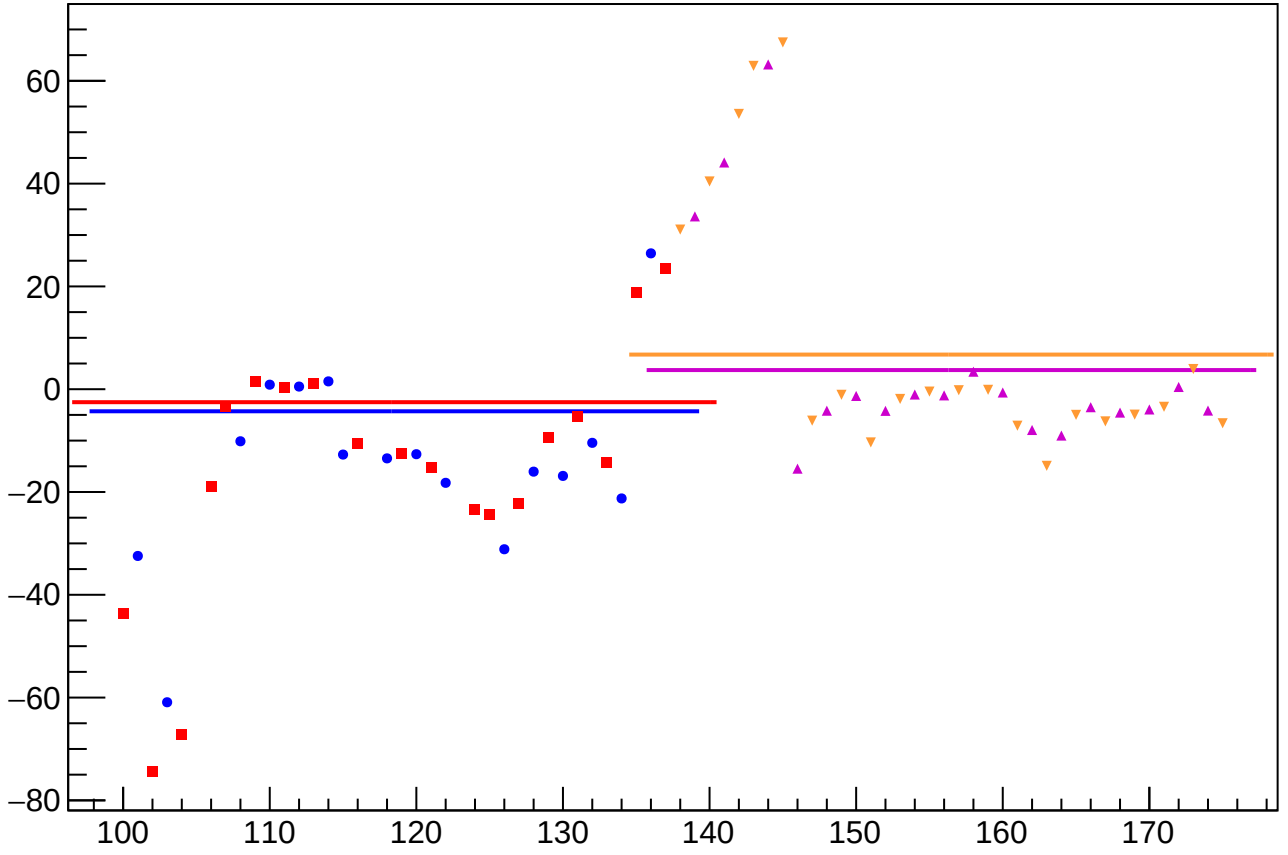
Left In: -0.083+/-0.002 χ^2/NDF:3666.6/17

+ sign -0.141+/-0.002 χ^2/NDF: 16773.7/35

All: -0.117+/-0.001 χ^2/NDF: 36660.7/72

- sign -0.097+/-0.002 χ^2/NDF: 19537.8/36

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 6.738+/-0.054 χ^2/NDF:158113.5/19

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

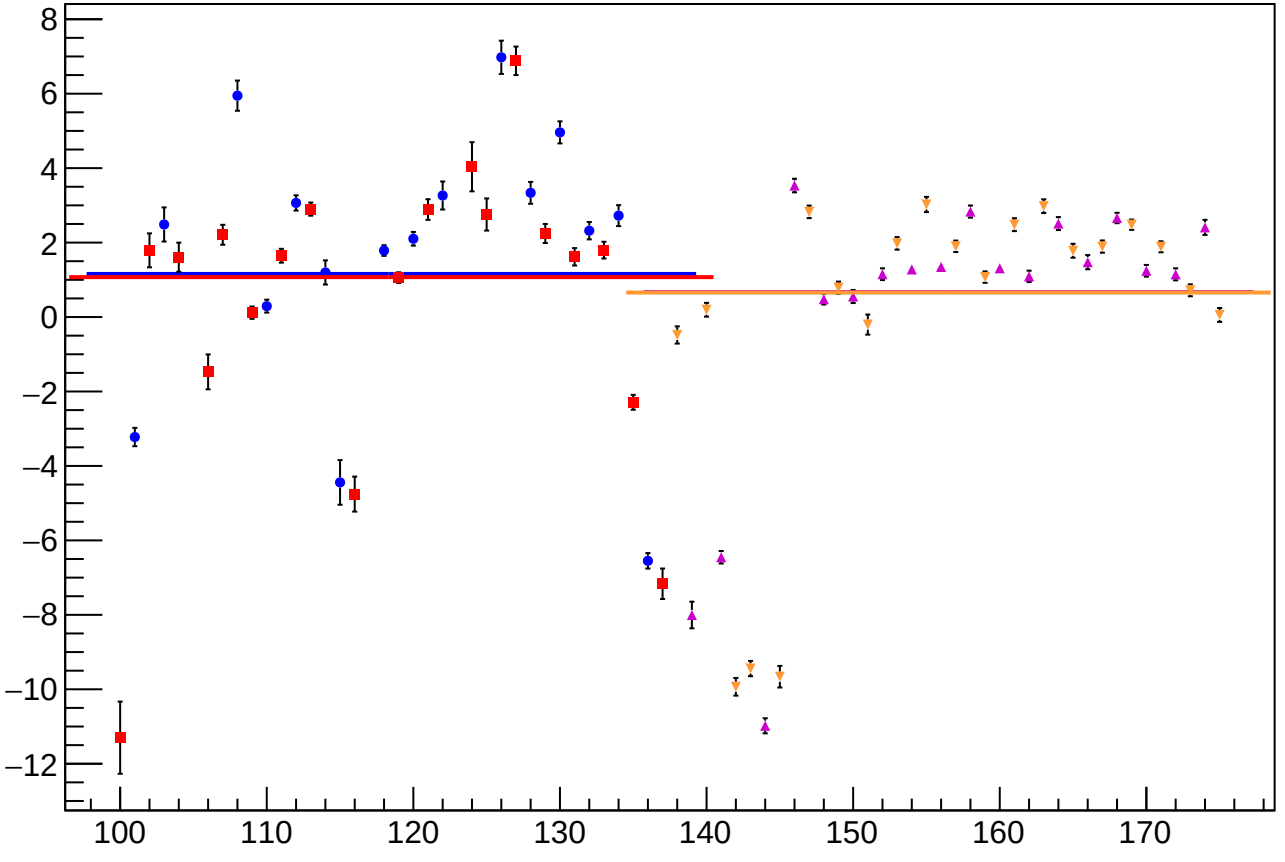
Left In: 3.724+/-0.051 χ^2/NDF:121172.5/17

+ sign 1.374+/-0.039 χ^2/NDF: 252472.4/35

All: 0.821+/-0.026 χ^2/NDF: 462038.4/72

- sign 0.384+/-0.035 χ^2/NDF: 209202.7/36

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.658+/-0.040 χ^2/NDF:6754.7/19

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

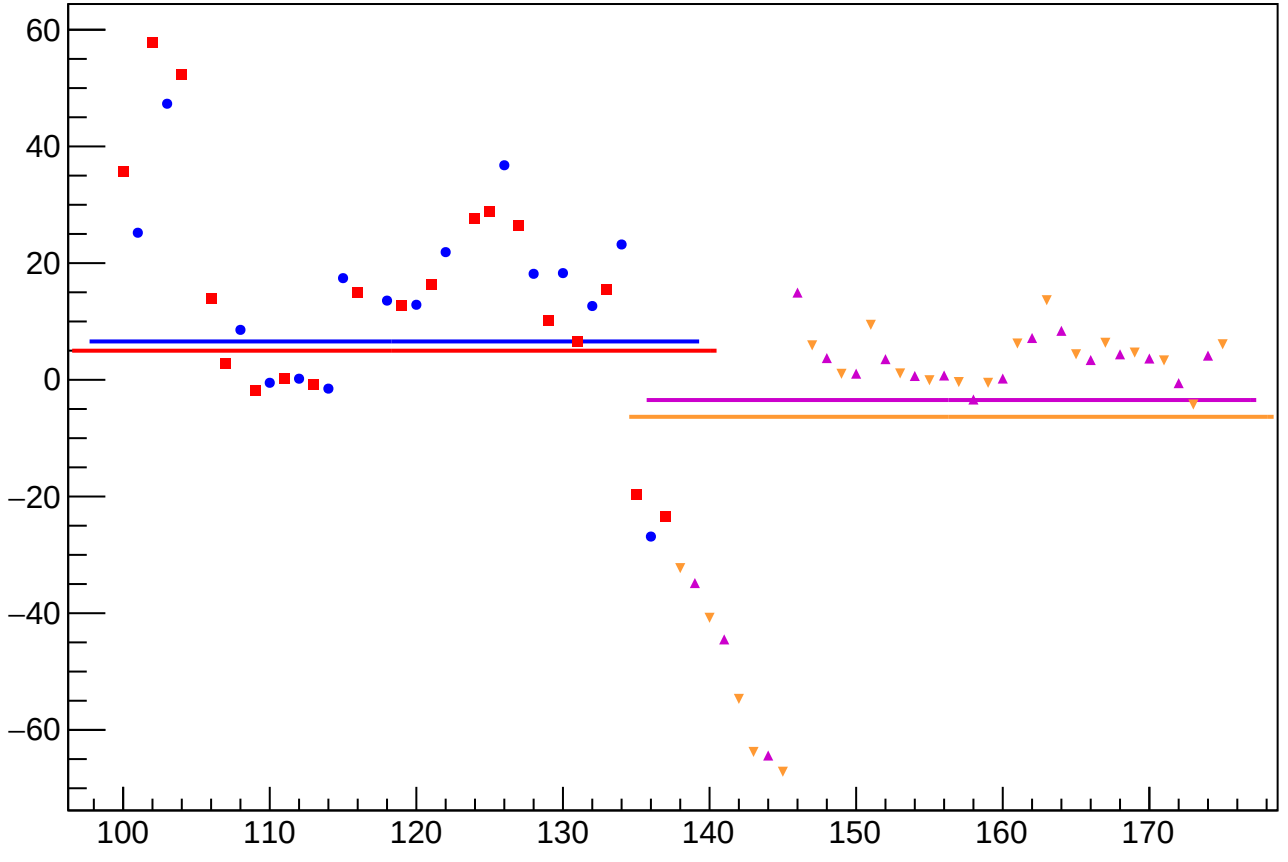
Left In: 0.673+/-0.037 χ^2/NDF:6641.1/17

+ sign 0.807+/-0.034 χ^2/NDF: 9350.9/35

All: 0.796+/-0.023 χ^2/NDF: 17577.1/72

- sign 0.786+/-0.031 χ^2/NDF: 8226.1/36

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -6.339+/-0.053 χ^2/NDF:153143.7/19

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

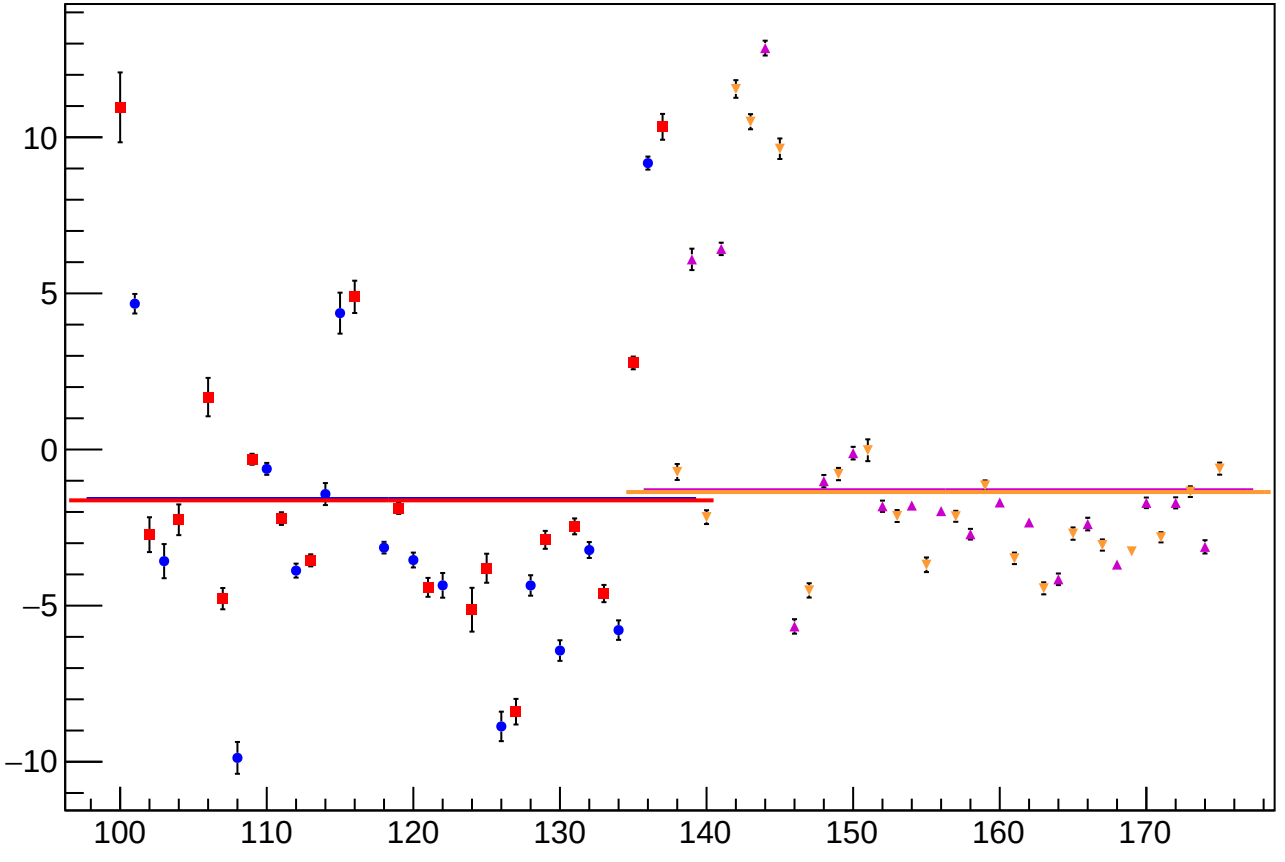
Left In: -3.463+/-0.049 χ^2/NDF:118443.8/17

+ sign -1.268+/-0.042 χ^2/NDF: 245864.7/35

All: -0.626+/-0.028 χ^2/NDF: 450967.2/72

- sign -0.085+/-0.038 χ^2/NDF: 204663.8/36

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.362+/-0.045 χ^2/NDF:6726.6/19

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

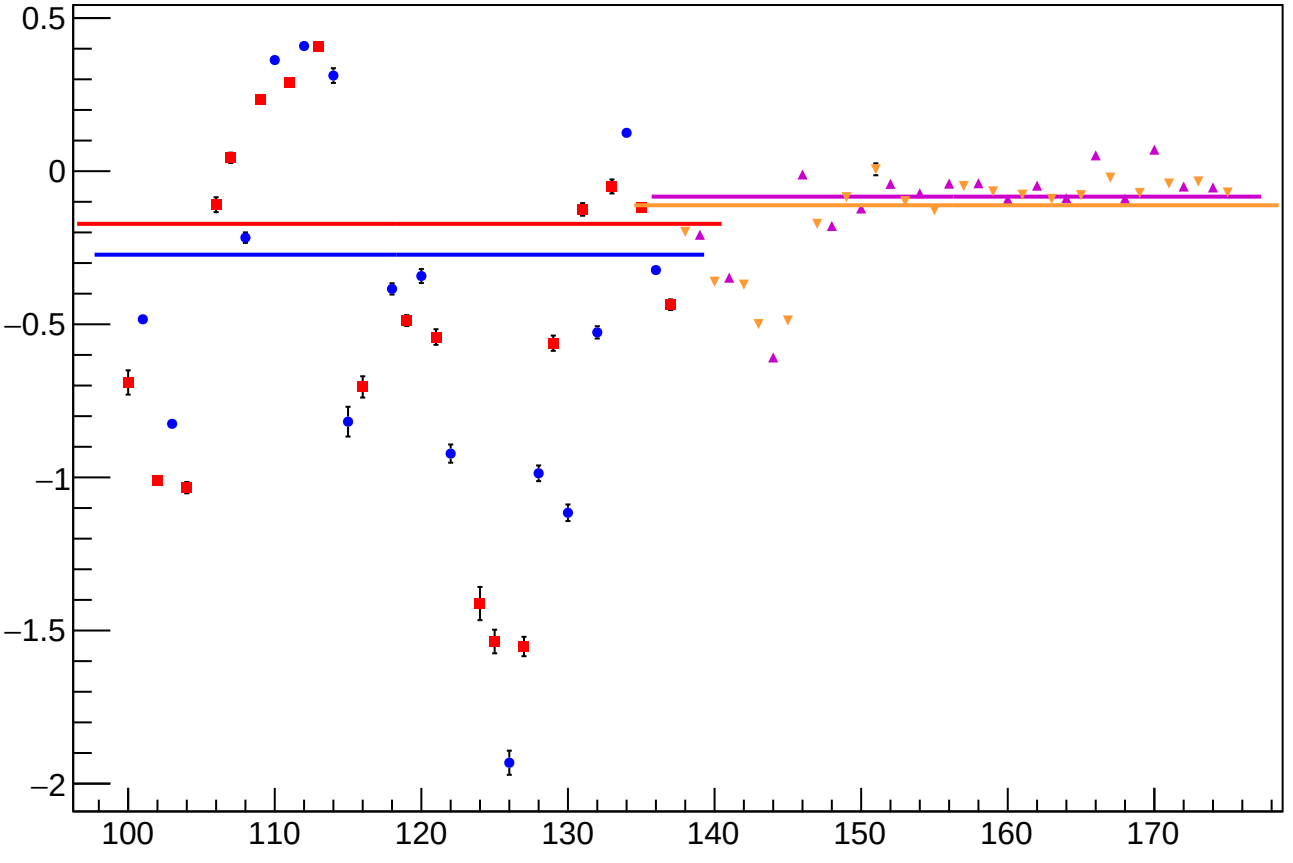
Left In: -1.305+/-0.041 χ^2/NDF:6642.3/17

+ sign -1.426+/-0.038 χ^2/NDF: 11206.3/35

All: -1.410+/-0.026 χ^2/NDF: 20288.5/72

- sign -1.397+/-0.035 χ^2/NDF: 9081.8/36

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.111+/-0.002 χ^2/NDF:3451.3/19

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

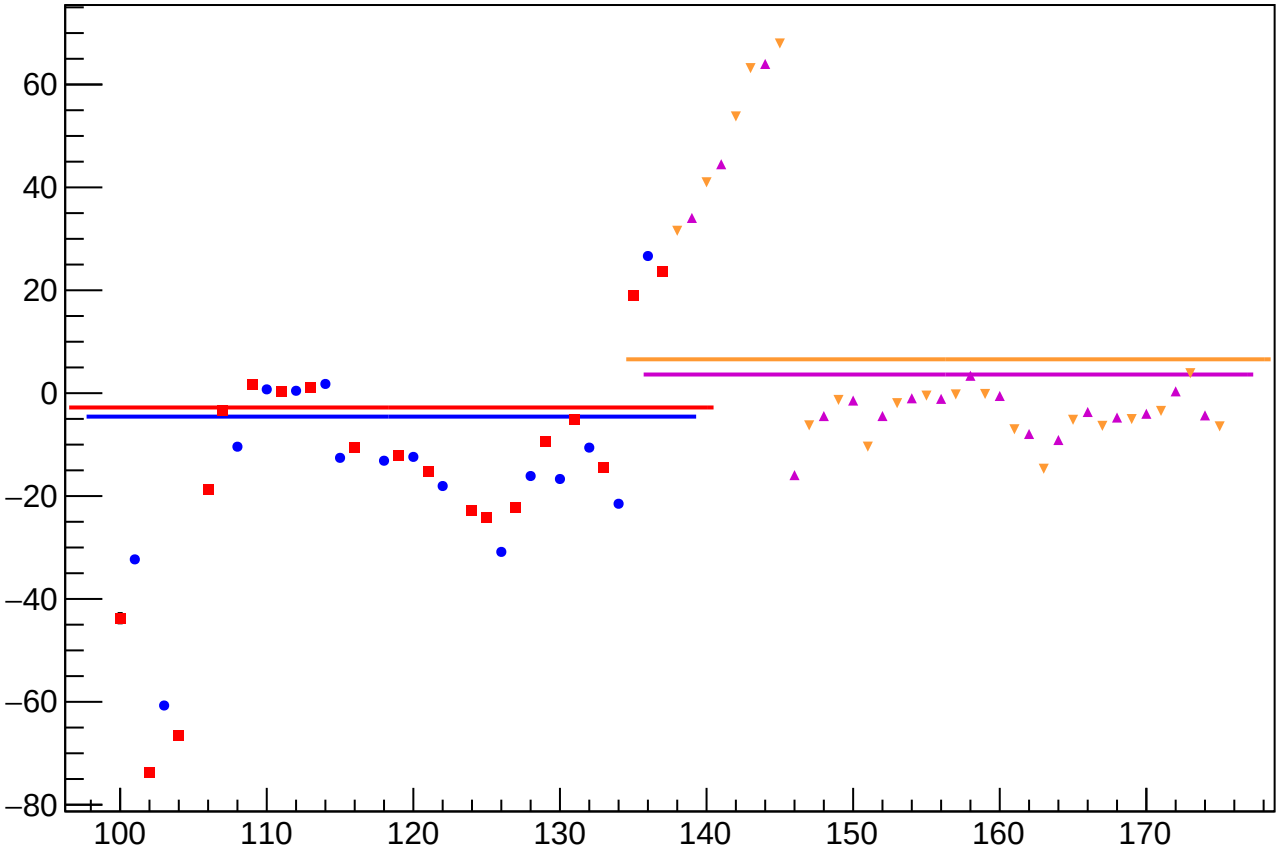
Left In: -0.083+/-0.002 χ^2/NDF:3730.7/17

+ sign -0.140+/-0.002 χ^2/NDF: 16506.9/35

All: -0.117+/-0.001 χ^2/NDF: 36301.8/72

- sign -0.098+/-0.002 χ^2/NDF: 19490.3/36

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 6.583+/-0.055 χ^2/NDF:156006.7/19

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

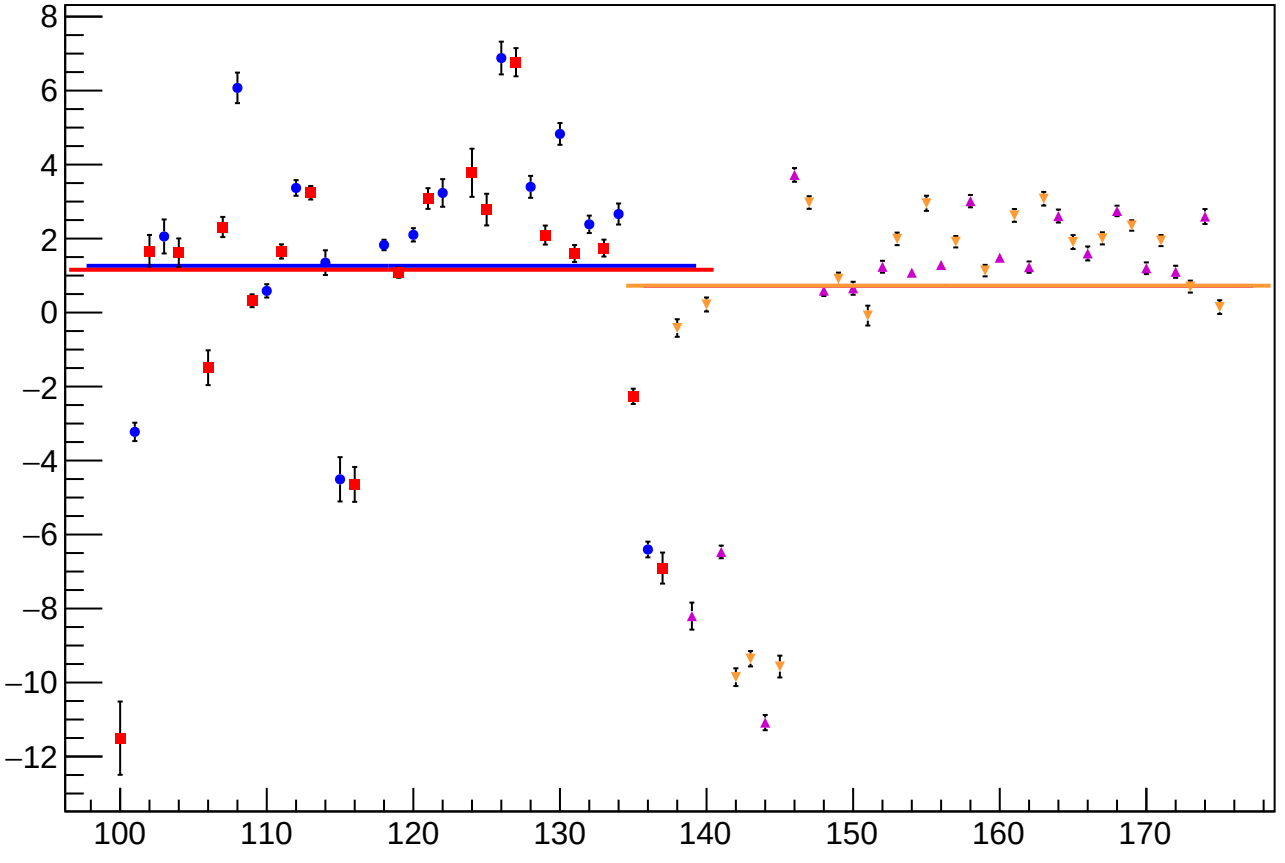
Left In: 3.627+/-0.051 χ^2/NDF:119944.9/17

+ sign 1.220+/-0.039 χ^2/NDF: 248590.4/35

All: 0.680+/-0.026 χ^2/NDF: 455021.7/72

- sign 0.247+/-0.035 χ^2/NDF: 206092.2/36

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.726+/-0.040 χ^2/NDF:6540.5/19

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

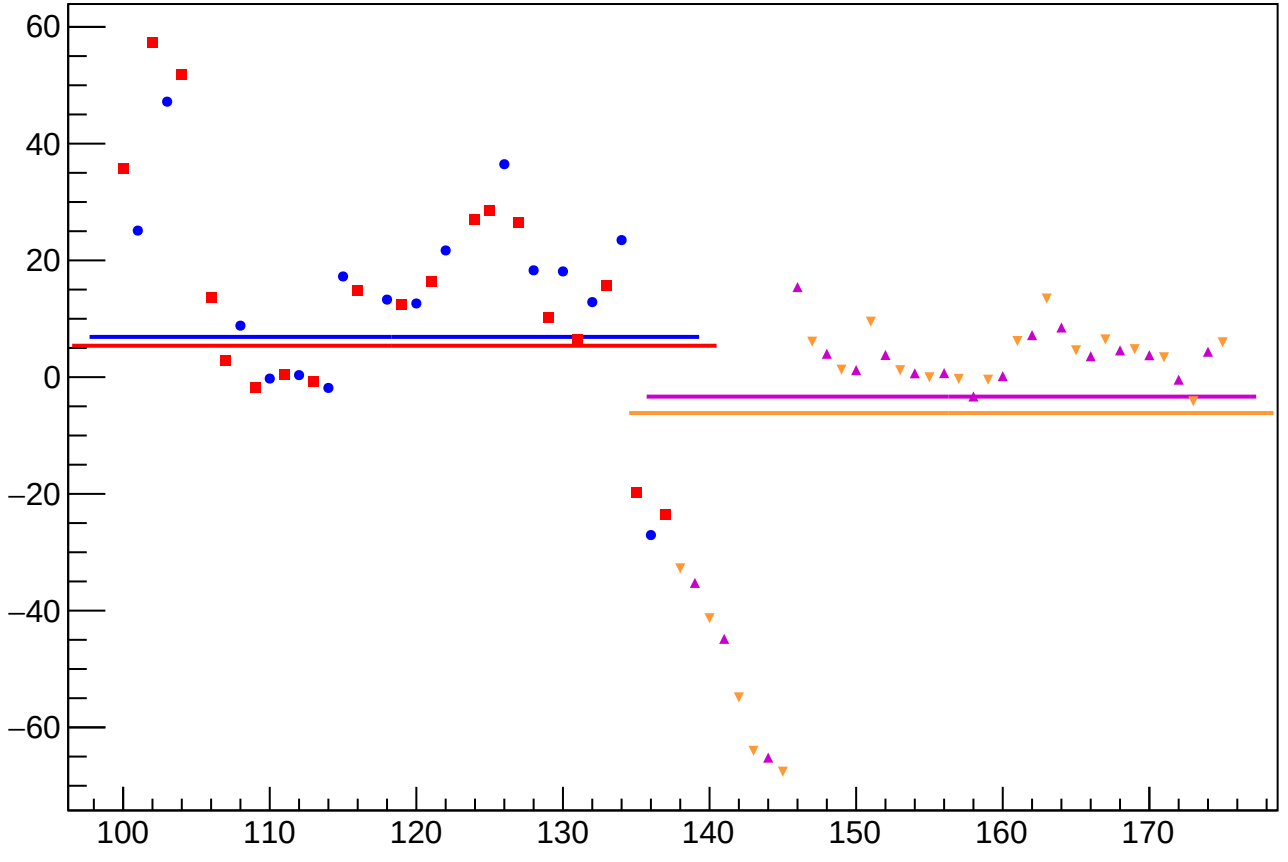
Left In: 0.720+/-0.037 χ^2/NDF:6607.6/17

+ sign 0.886+/-0.034 χ^2/NDF: 9036.9/35

All: 0.864+/-0.023 χ^2/NDF: 17175.0/72

- sign 0.844+/-0.032 χ^2/NDF: 8137.3/36

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -6.152+/-0.054 χ^2/NDF:150984.6/19

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

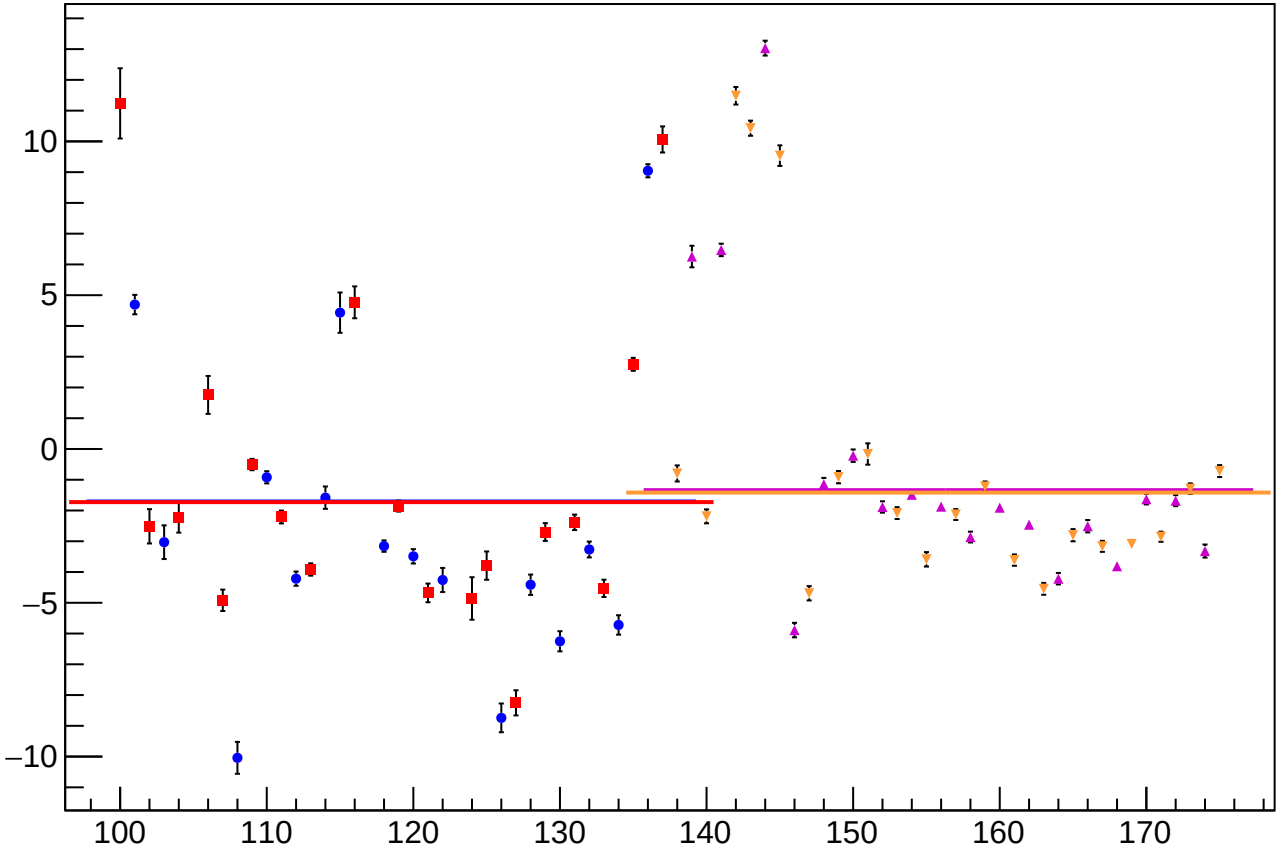
Left In: -3.338+/-0.050 χ^2/NDF:117193.8/17

+ sign -1.063+/-0.042 χ^2/NDF: 241911.0/35

All: -0.428+/-0.029 χ^2/NDF: 443827.8/72

- sign 0.113+/-0.039 χ^2/NDF: 201495.3/36

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.416+/-0.045 χ^2/NDF:6524.3/19

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

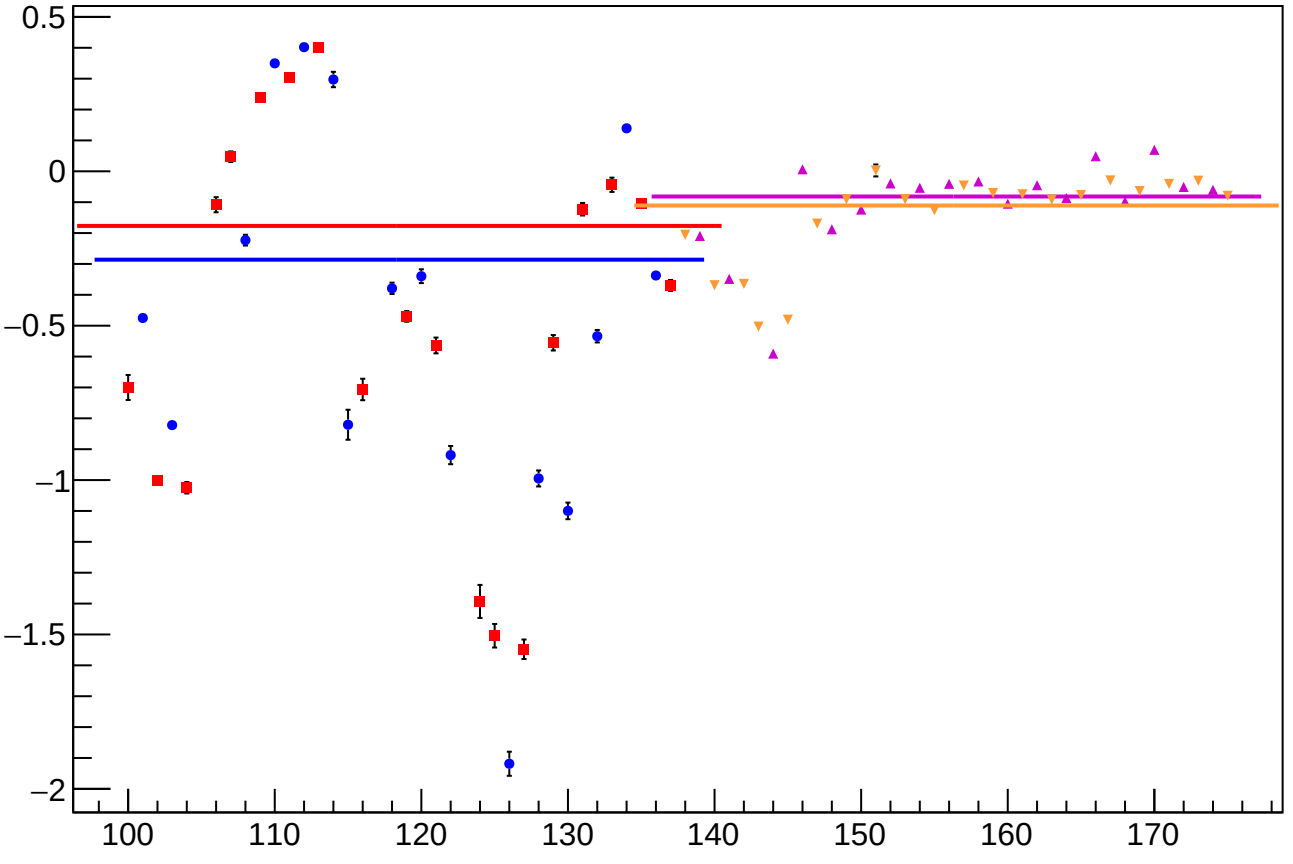
Left In: -1.340+/-0.042 χ^2/NDF:6642.2/17

+ sign -1.500+/-0.038 χ^2/NDF: 10825.9/35

All: -1.473+/-0.026 χ^2/NDF: 19802.8/72

- sign -1.449+/-0.036 χ^2/NDF: 8975.9/36

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.111+/-0.002 χ^2/NDF:3377.1/19

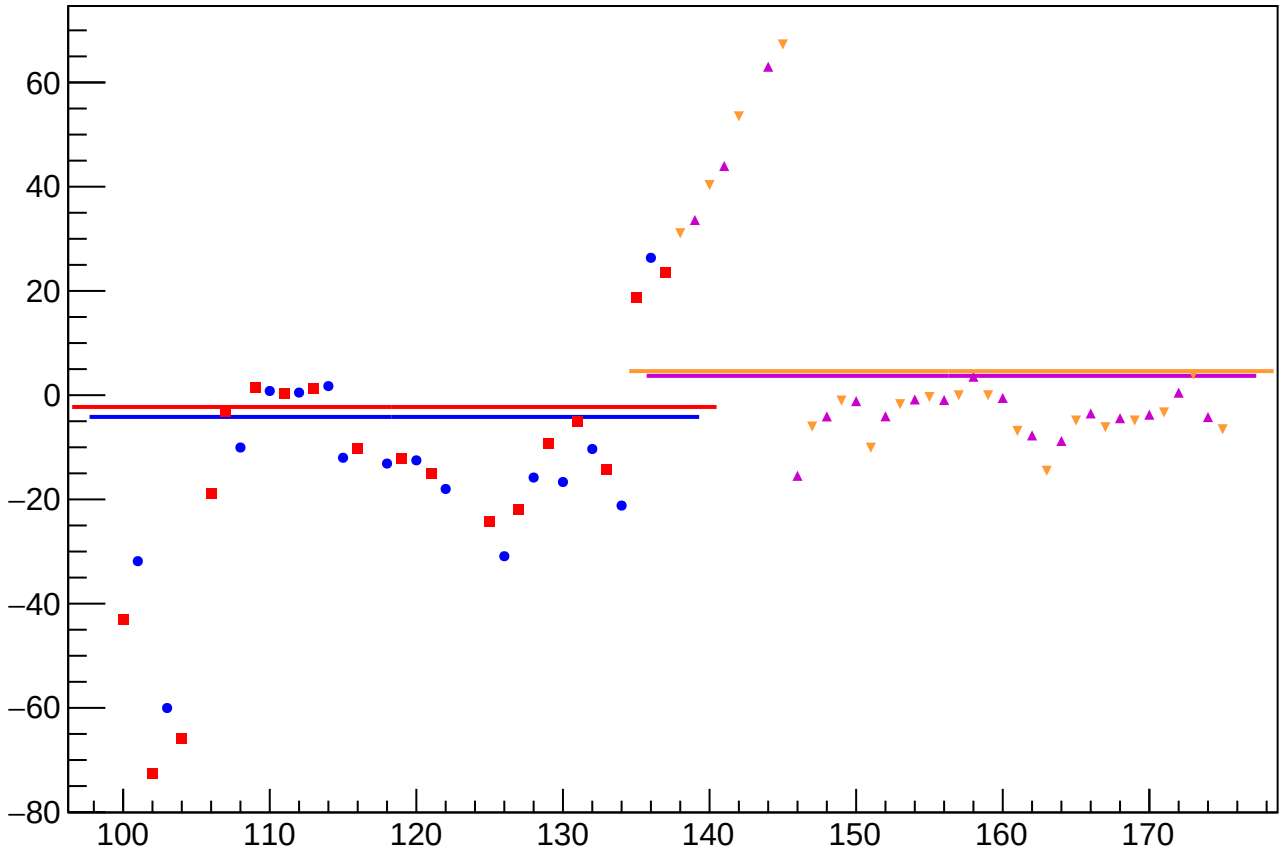
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.082+/-0.002 χ^2/NDF:3591.2/17

+ sign -0.142+/-0.002 χ^2/NDF: 16118.5/35

All: -0.118+/-0.001 χ^2/NDF: 35292.0/72

- sign -0.098+/-0.002 χ^2/NDF: 18841.8/36



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 4.618+/-0.054 χ^2/NDF:120136.0/18

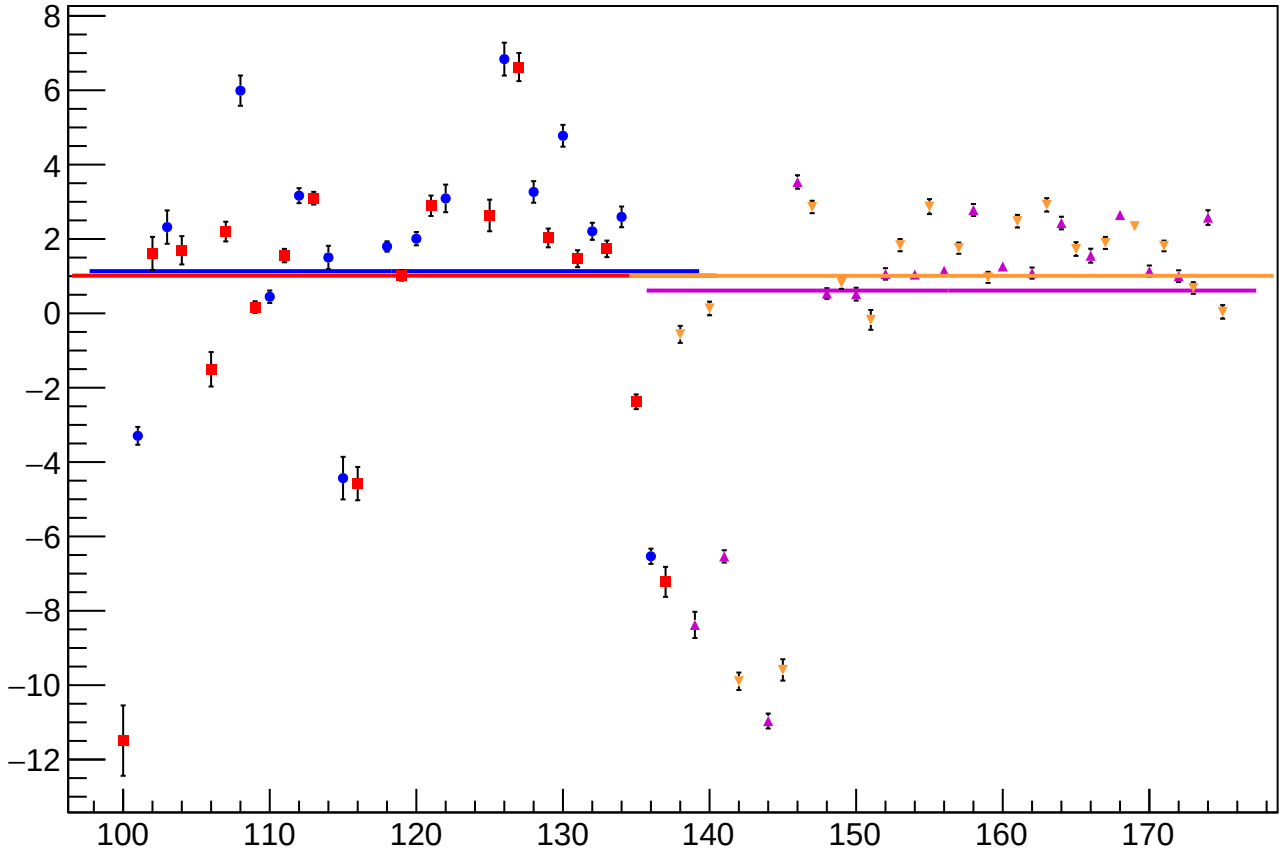
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 3.709+/-0.049 χ^2/NDF:123388.6/17

+ sign 0.247+/-0.038 χ^2/NDF: 208636.6/34

All: 0.397+/-0.025 χ^2/NDF: 419488.3/70

- sign 0.512+/-0.034 χ^2/NDF: 210824.8/35



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 1.010+/-0.040 χ^2/NDF:4267.2/18

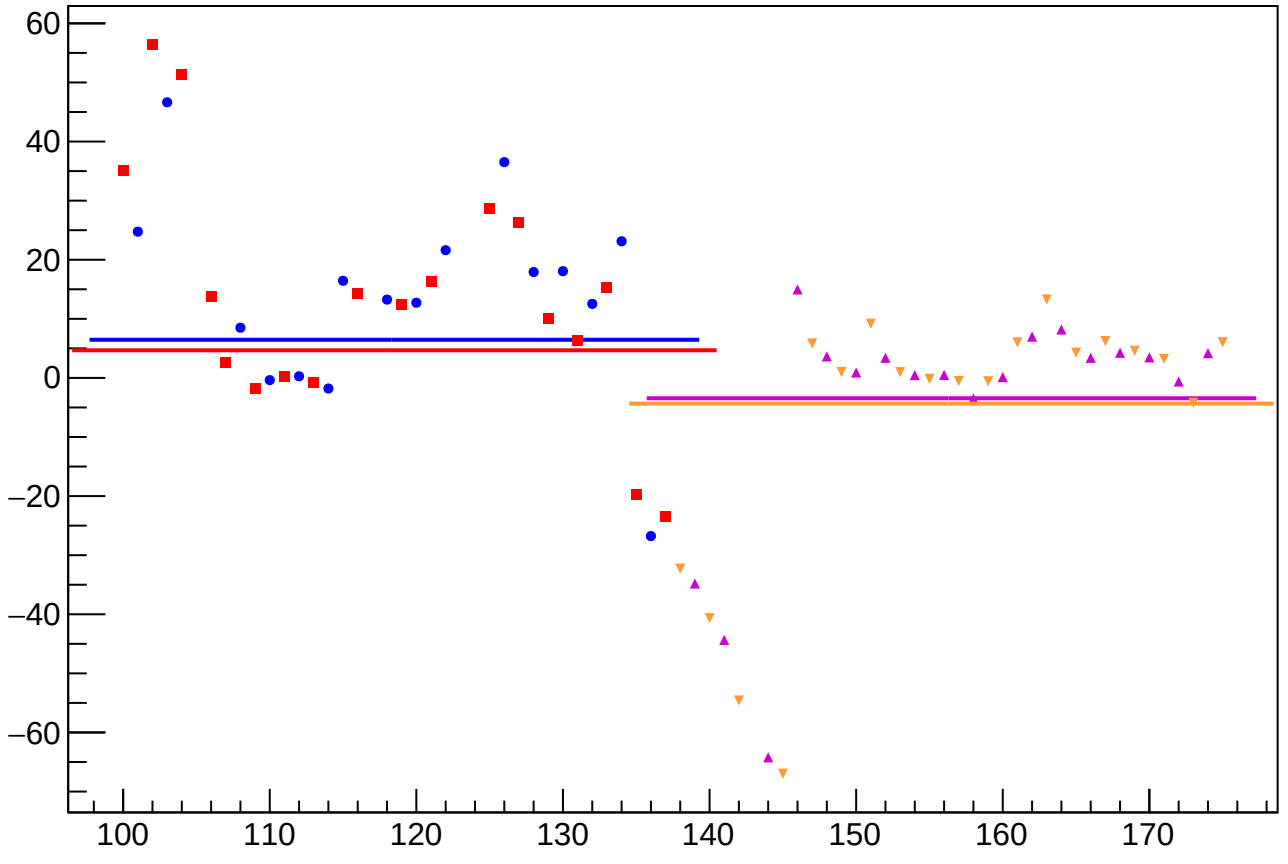
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.613+/-0.036 χ^2/NDF:6843.9/17

+ sign 1.048+/-0.033 χ^2/NDF: 6865.9/34

All: 0.872+/-0.022 χ^2/NDF: 15389.1/70

- sign 0.726+/-0.030 χ^2/NDF: 8472.3/35



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -4.350+/-0.053 χ^2/NDF:115676.6/18

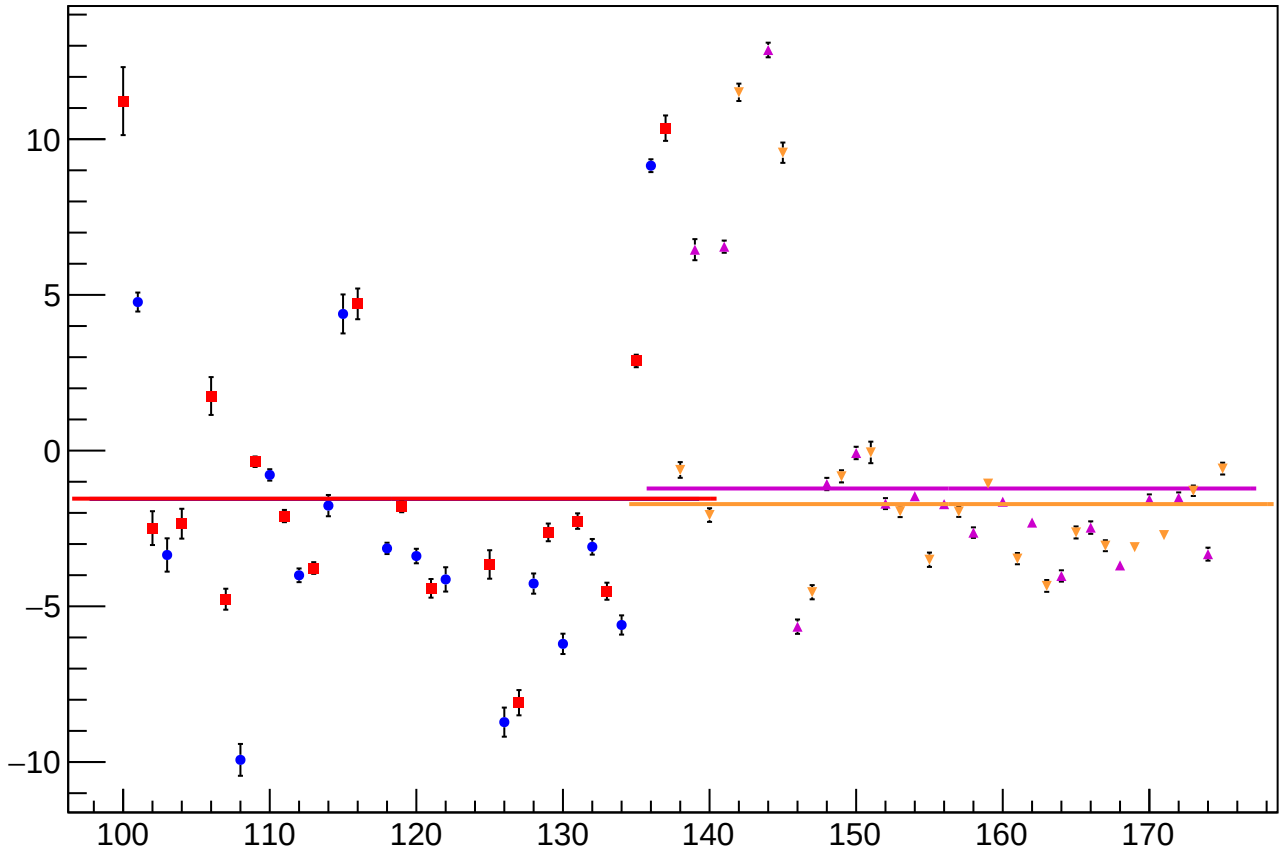
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -3.443+/-0.048 χ^2/NDF:120615.2/17

+ sign -0.008+/-0.041 χ^2/NDF: 203028.9/34

All: -0.117+/-0.028 χ^2/NDF: 409429.0/70

- sign -0.207+/-0.037 χ^2/NDF: 206387.3/35



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.718+/-0.045 χ^2/NDF:4271.2/18

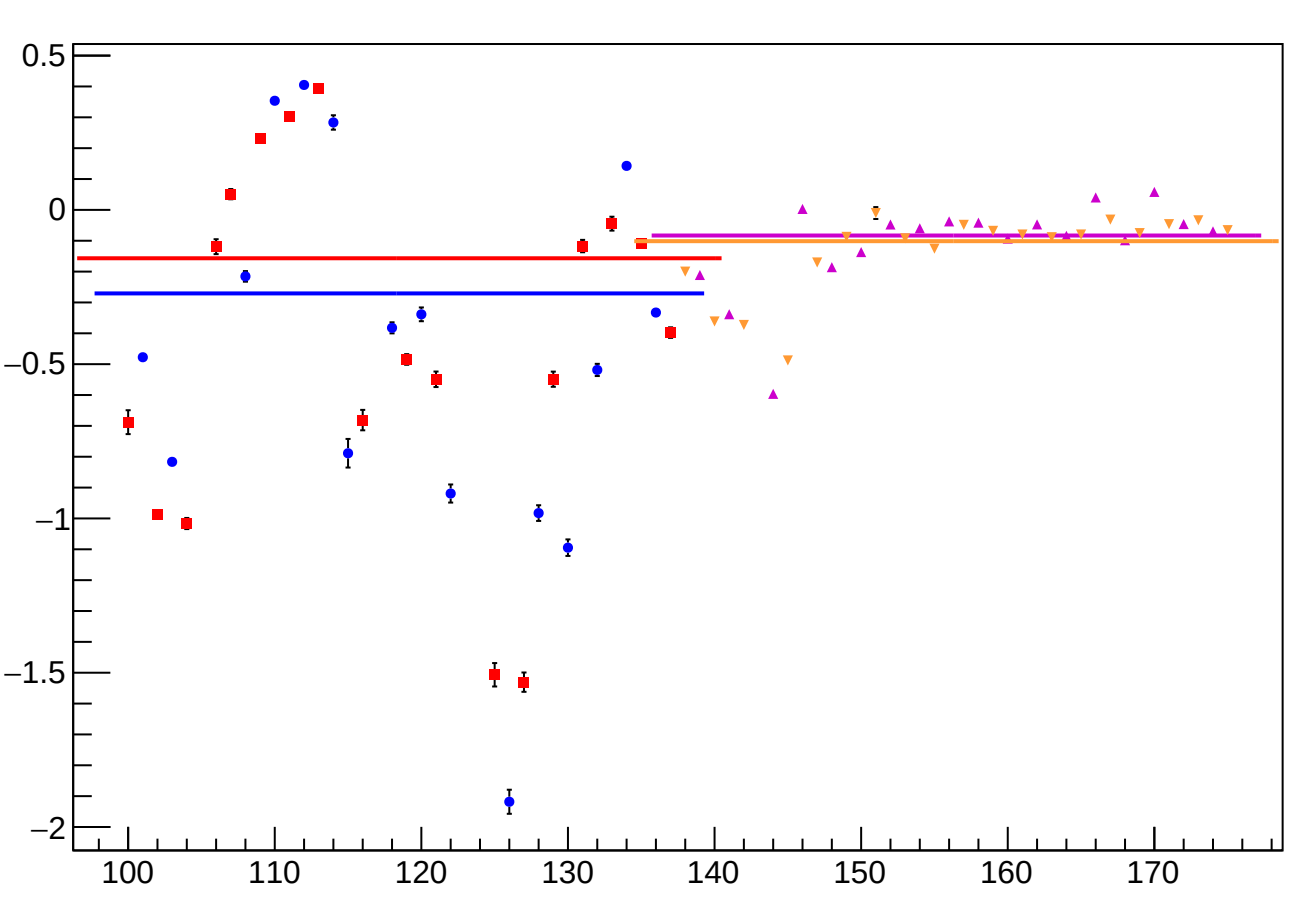
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.217+/-0.040 χ^2/NDF:6859.8/17

+ sign -1.669+/-0.038 χ^2/NDF: 8818.8/34

All: -1.472+/-0.025 χ^2/NDF: 18219.9/70

- sign -1.309+/-0.034 χ^2/NDF: 9351.2/35



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.101+/-0.002 χ^2/NDF:2393.9/18

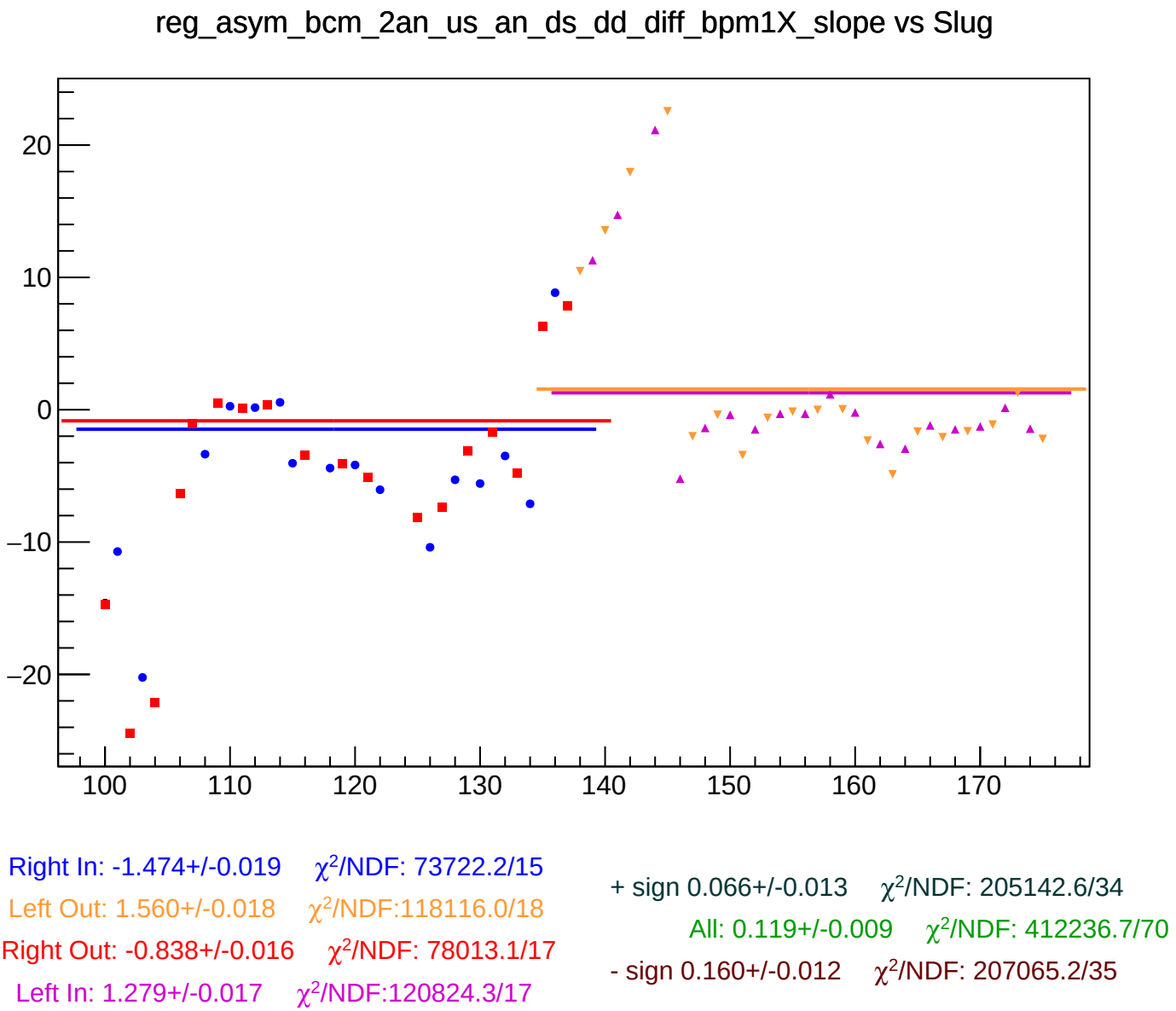
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

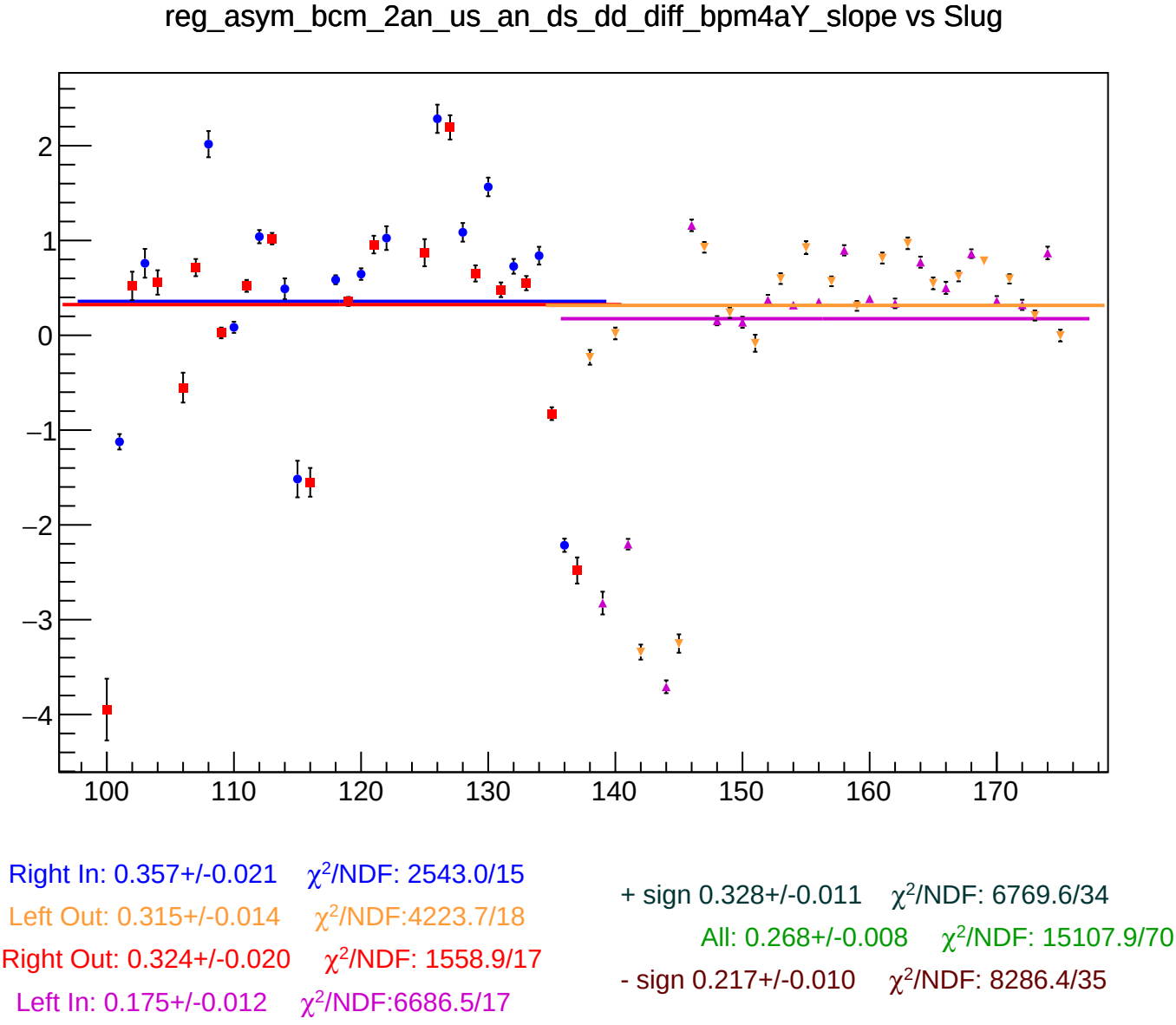
Left In: -0.083+/-0.002 χ^2/NDF:3676.0/17

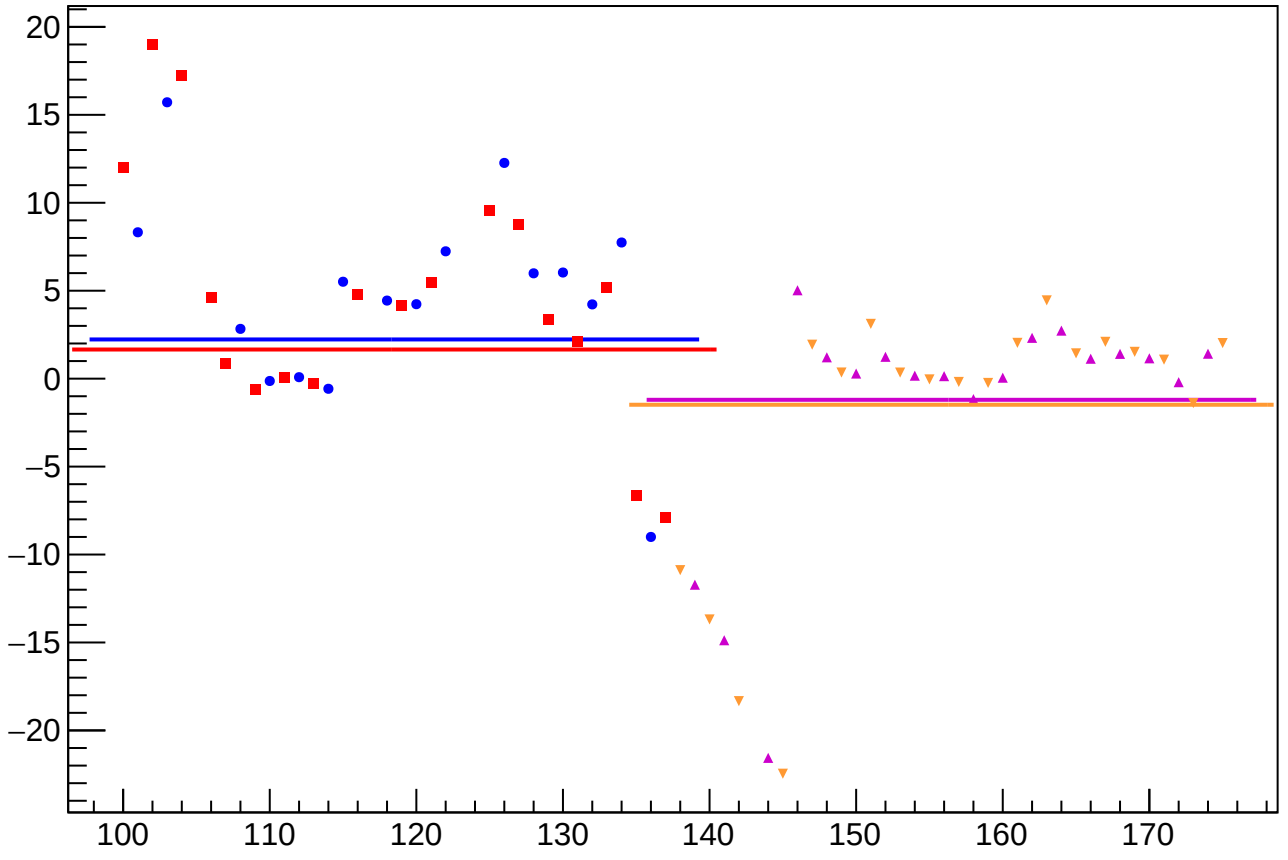
+ sign -0.132+/-0.002 χ^2/NDF: 15855.2/34

All: -0.112+/-0.001 χ^2/NDF: 35107.1/70

- sign -0.096+/-0.002 χ^2/NDF: 19008.9/35


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: -1.474+/-0.019 χ²/NDF: 73722.2/15
Left Out: 1.560+/-0.018 χ²/NDF:118116.0/18
Right Out: -0.838+/-0.016 χ²/NDF: 78013.1/17
Left In: 1.279+/-0.017 χ²/NDF:120824.3/17
+ sign 0.066+/-0.013 χ²/NDF: 205142.6/34
All: 0.119+/-0.009 χ²/NDF: 412236.7/70
- sign 0.160+/-0.012 χ²/NDF: 207065.2/35


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: 0.357+/-0.021 χ²/NDF: 2543.0/15
Left Out: 0.315+/-0.014 χ²/NDF:4223.7/18
Right Out: 0.324+/-0.020 χ²/NDF: 1558.9/17
Left In: 0.175+/-0.012 χ²/NDF:6686.5/17
+ sign 0.328+/-0.011 χ²/NDF: 6769.6/34
All: 0.268+/-0.008 χ²/NDF: 15107.9/70
- sign 0.217+/-0.010 χ²/NDF: 8286.4/35



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -1.484+/-0.018 χ^2/NDF:113739.8/18

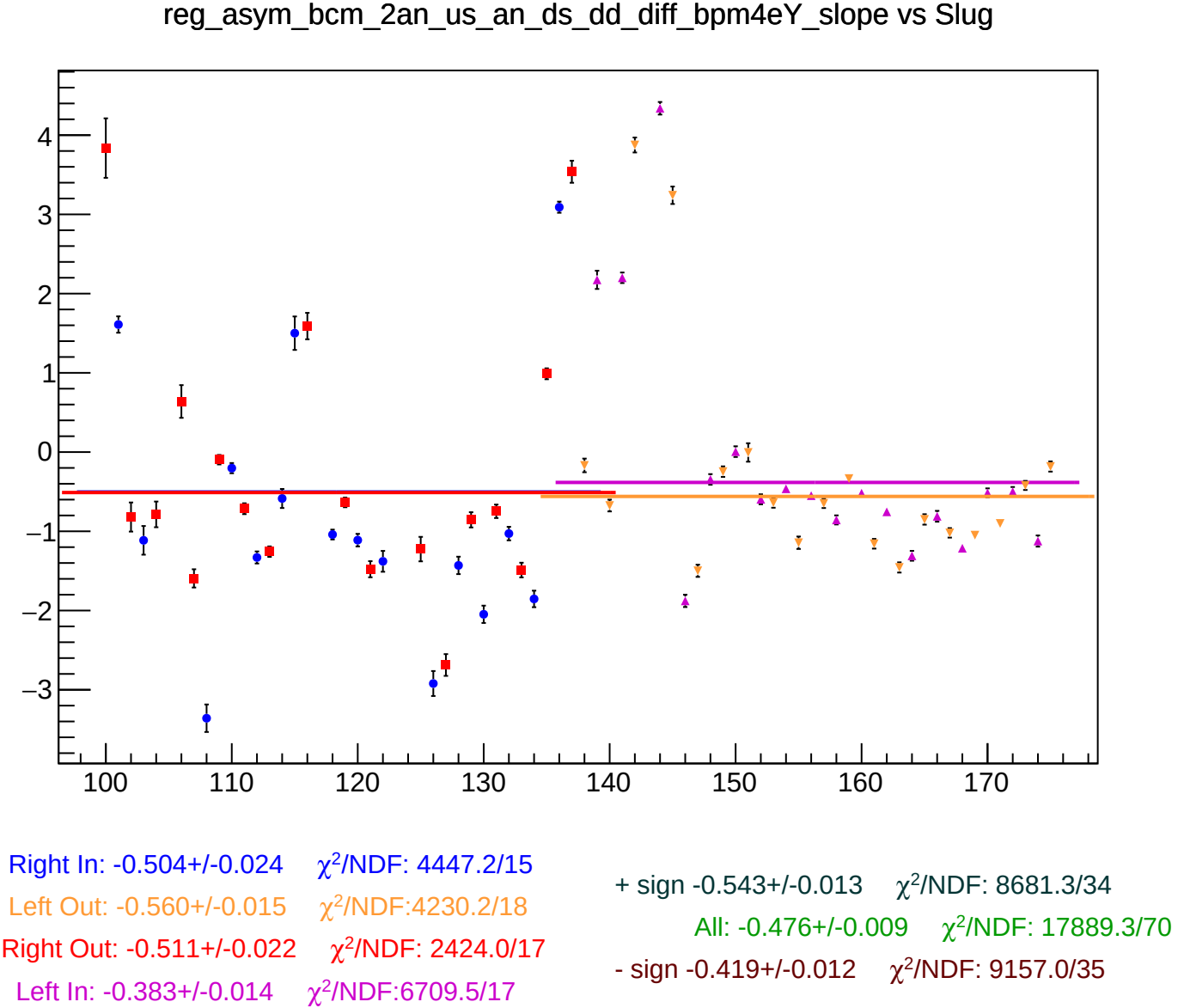
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -1.202+/-0.017 χ^2/NDF:118157.3/17

\+ sign -0.001+/-0.014 χ^2/NDF: 199639.5/34

All: -0.040+/-0.009 χ^2/NDF: 402438.8/70

\- sign -0.073+/-0.013 χ^2/NDF: 202784.8/35



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.560+/-0.015 χ^2/NDF:4230.2/18

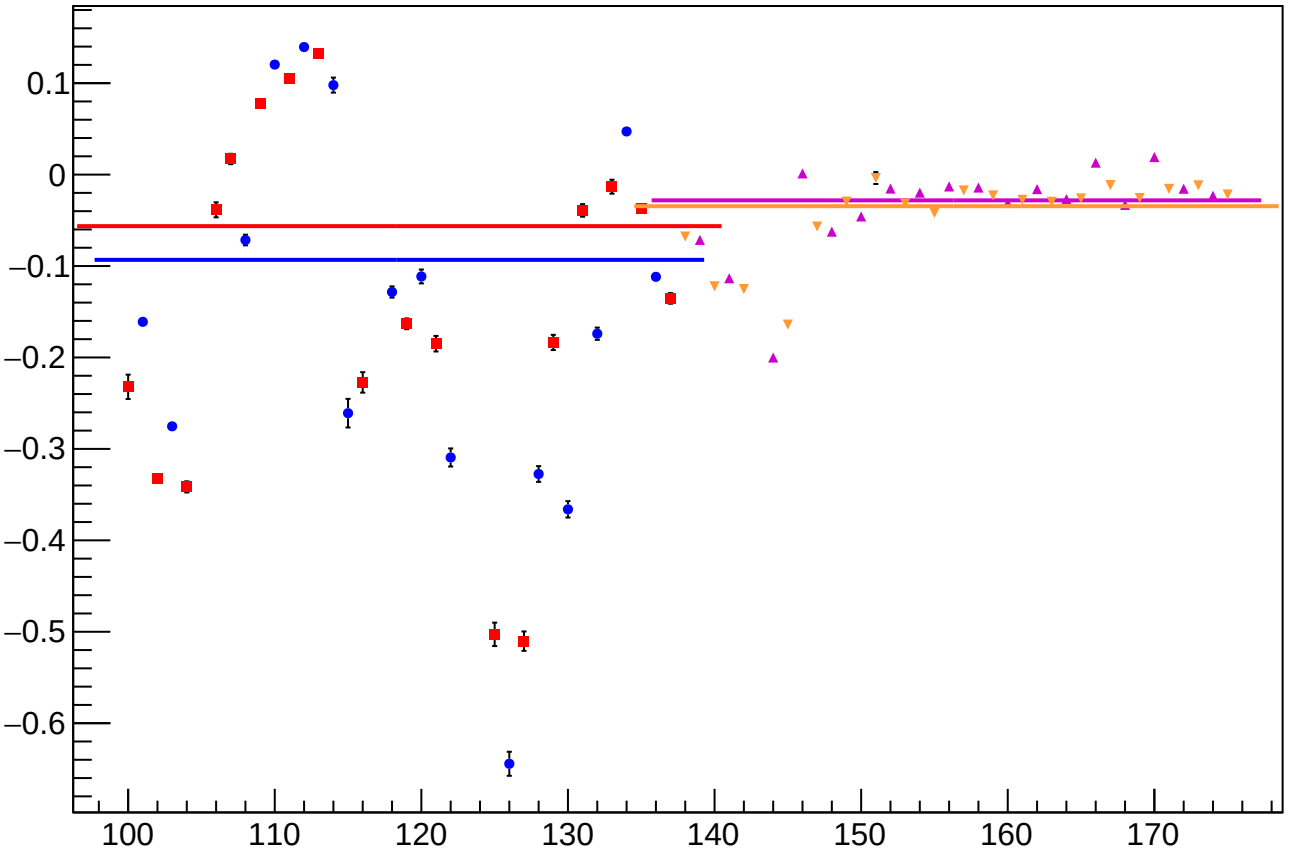
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.383+/-0.014 χ^2/NDF:6709.5/17

+ sign -0.543+/-0.013 χ^2/NDF: 8681.3/34

All: -0.476+/-0.009 χ^2/NDF: 17889.3/70

- sign -0.419+/-0.012 χ^2/NDF: 9157.0/35



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.035+/-0.001 χ^2/NDF:2348.9/18

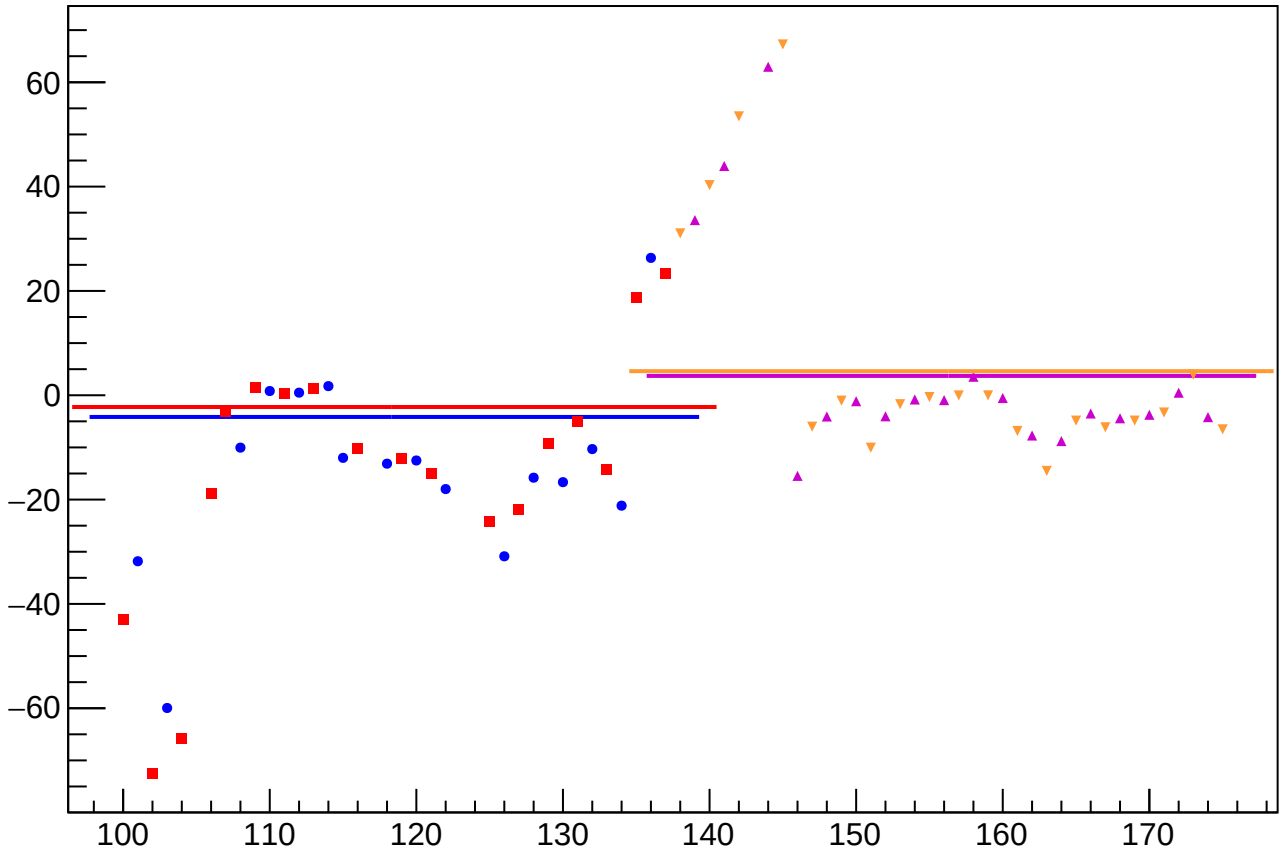
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.028+/-0.001 χ^2/NDF:3591.7/17

+ sign -0.045+/-0.001 χ^2/NDF: 15498.9/34

All: -0.038+/-0.000 χ^2/NDF: 34167.0/70

- sign -0.033+/-0.001 χ^2/NDF: 18436.2/35



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 4.618+/-0.054 χ^2/NDF:120120.3/18

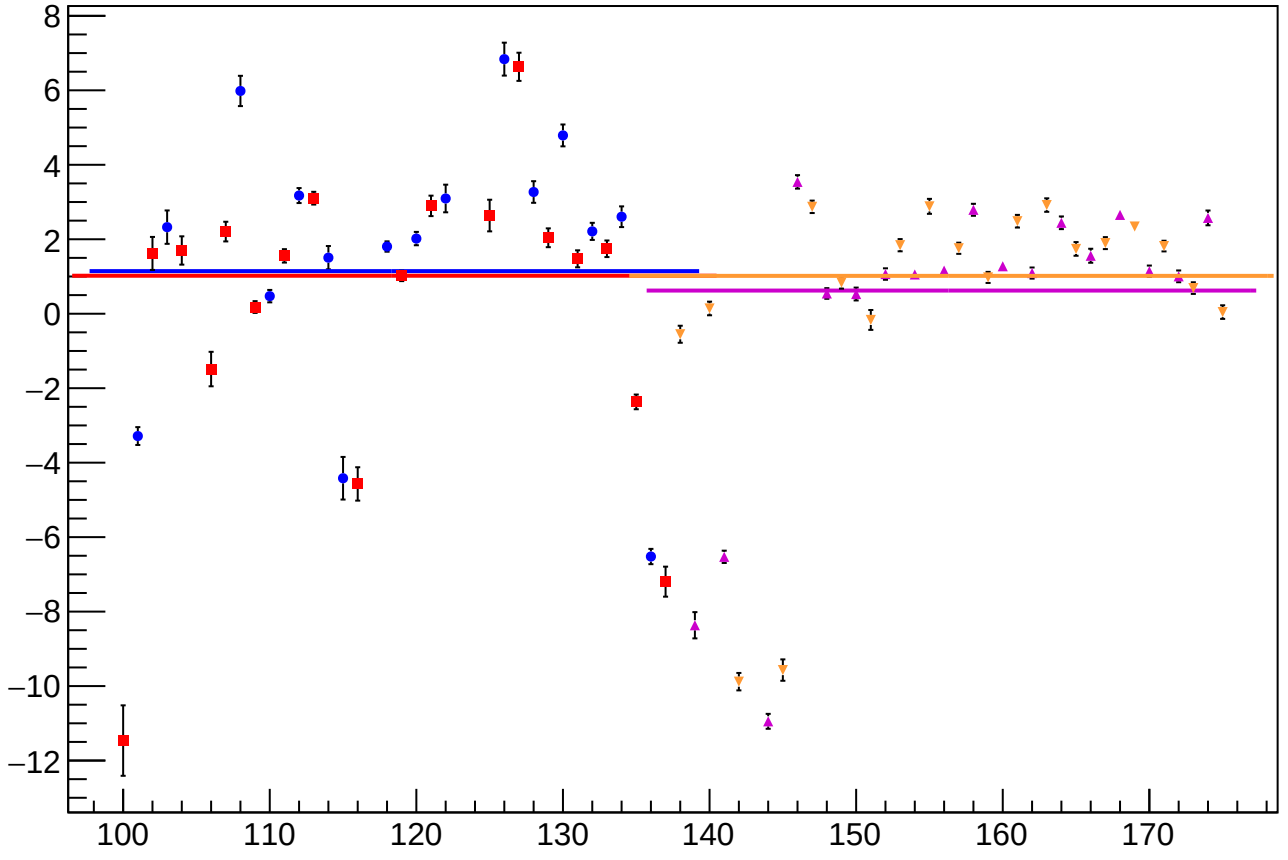
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 3.709+/-0.049 χ^2/NDF:123402.5/17

+ sign 0.252+/-0.038 χ^2/NDF: 208634.8/34

All: 0.401+/-0.025 χ^2/NDF: 419505.4/70

- sign 0.515+/-0.034 χ^2/NDF: 210844.0/35



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 1.017+/-0.040 χ^2/NDF:4264.7/18

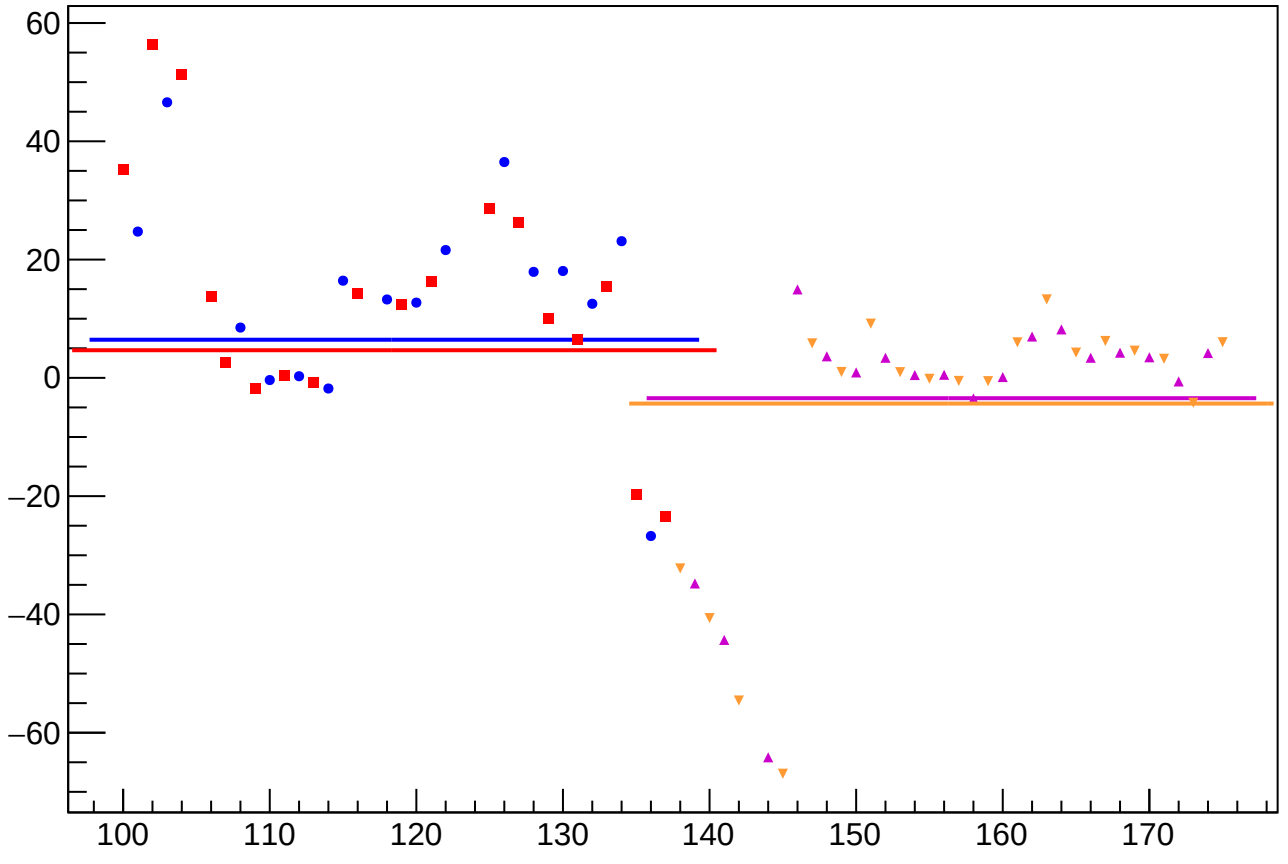
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.622+/-0.036 χ^2/NDF:6848.0/17

+ sign 1.056+/-0.033 χ^2/NDF: 6863.1/34

All: 0.881+/-0.022 χ^2/NDF: 15387.8/70

- sign 0.735+/-0.030 χ^2/NDF: 8474.1/35



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -4.345+/-0.053 χ^2/NDF:115660.3/18

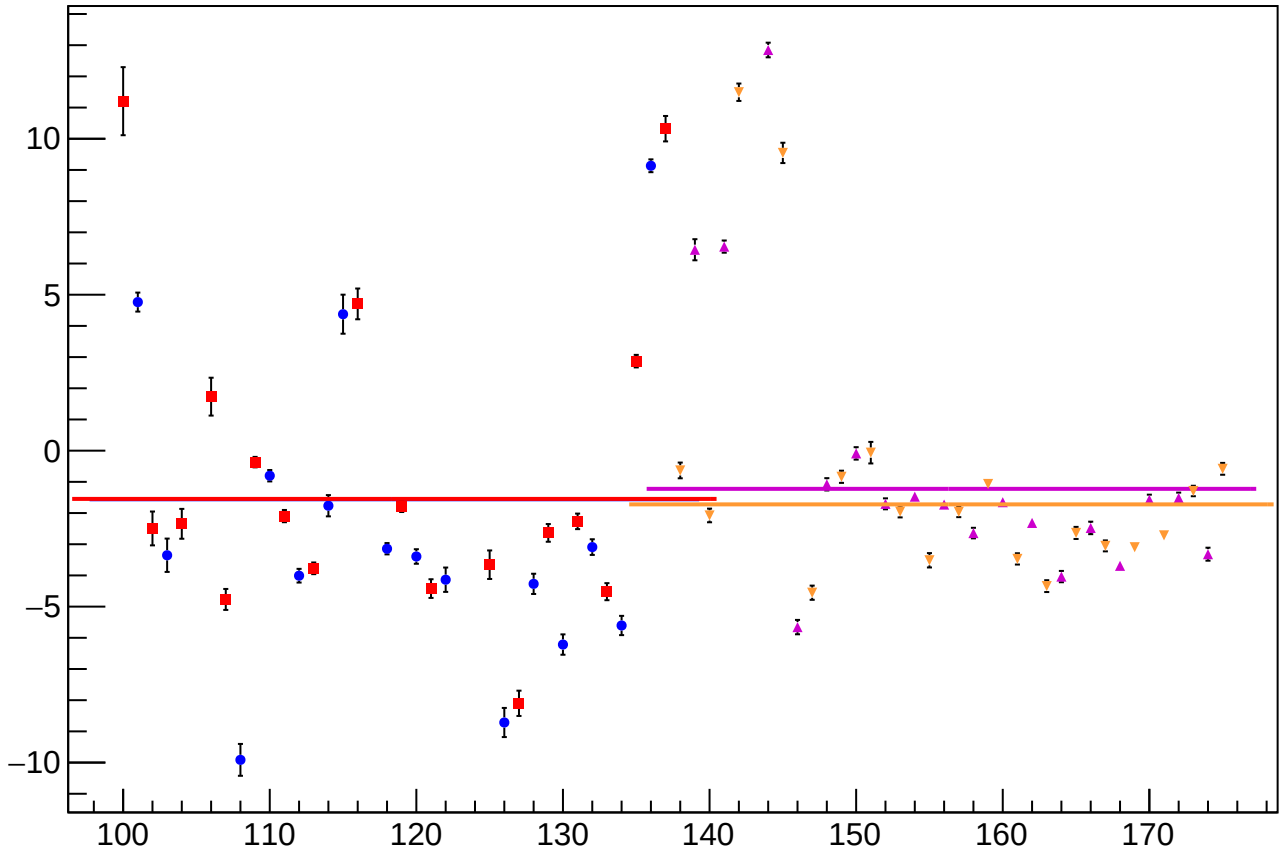
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -3.437+/-0.048 χ^2/NDF:120626.4/17

+ sign -0.008+/-0.041 χ^2/NDF: 203023.0/34

All: -0.115+/-0.028 χ^2/NDF: 409432.2/70

- sign -0.204+/-0.037 χ^2/NDF: 206396.7/35



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.722+/-0.045 χ^2/NDF:4268.0/18

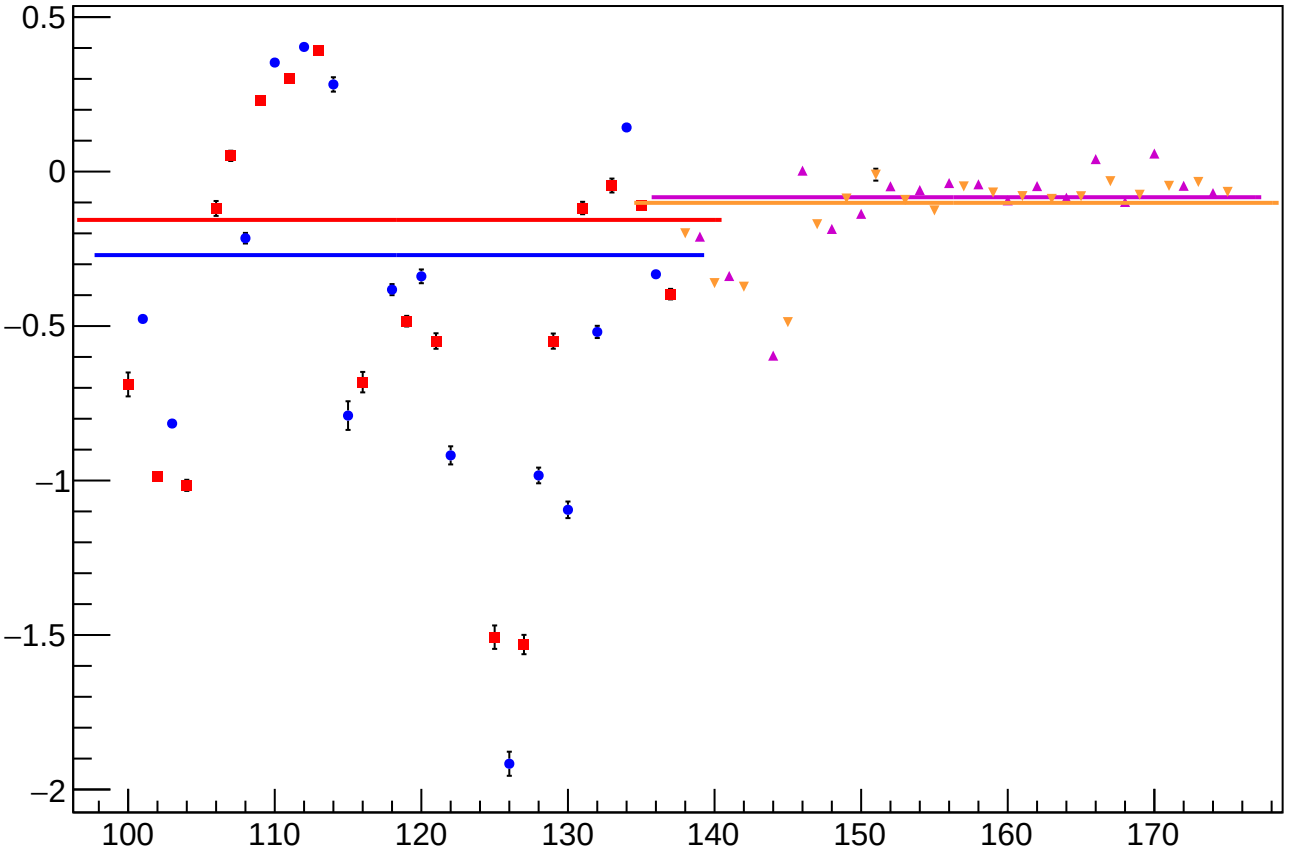
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.224+/-0.040 χ^2/NDF:6863.1/17

+ sign -1.674+/-0.038 χ^2/NDF: 8815.1/34

All: -1.478+/-0.025 χ^2/NDF: 18215.9/70

- sign -1.315+/-0.034 χ^2/NDF: 9351.2/35



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.101+/-0.002 χ^2/NDF:2394.8/18

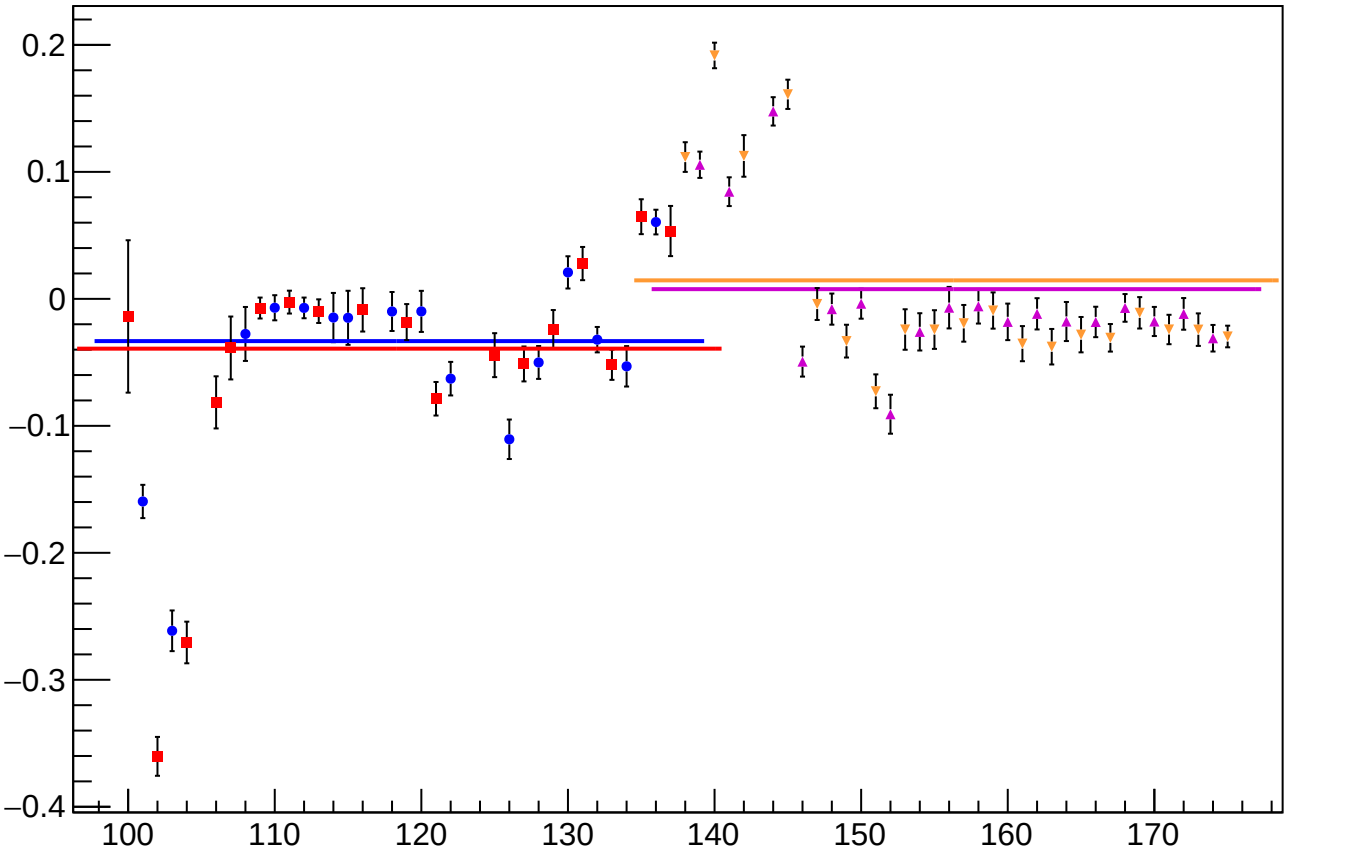
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.083+/-0.002 χ^2/NDF:3677.6/17

+ sign -0.132+/-0.002 χ^2/NDF: 15857.2/34

All: -0.112+/-0.001 χ^2/NDF: 35118.5/70

- sign -0.095+/-0.002 χ^2/NDF: 19019.5/35



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.015+/-0.003 χ^2/NDF:760.8/18

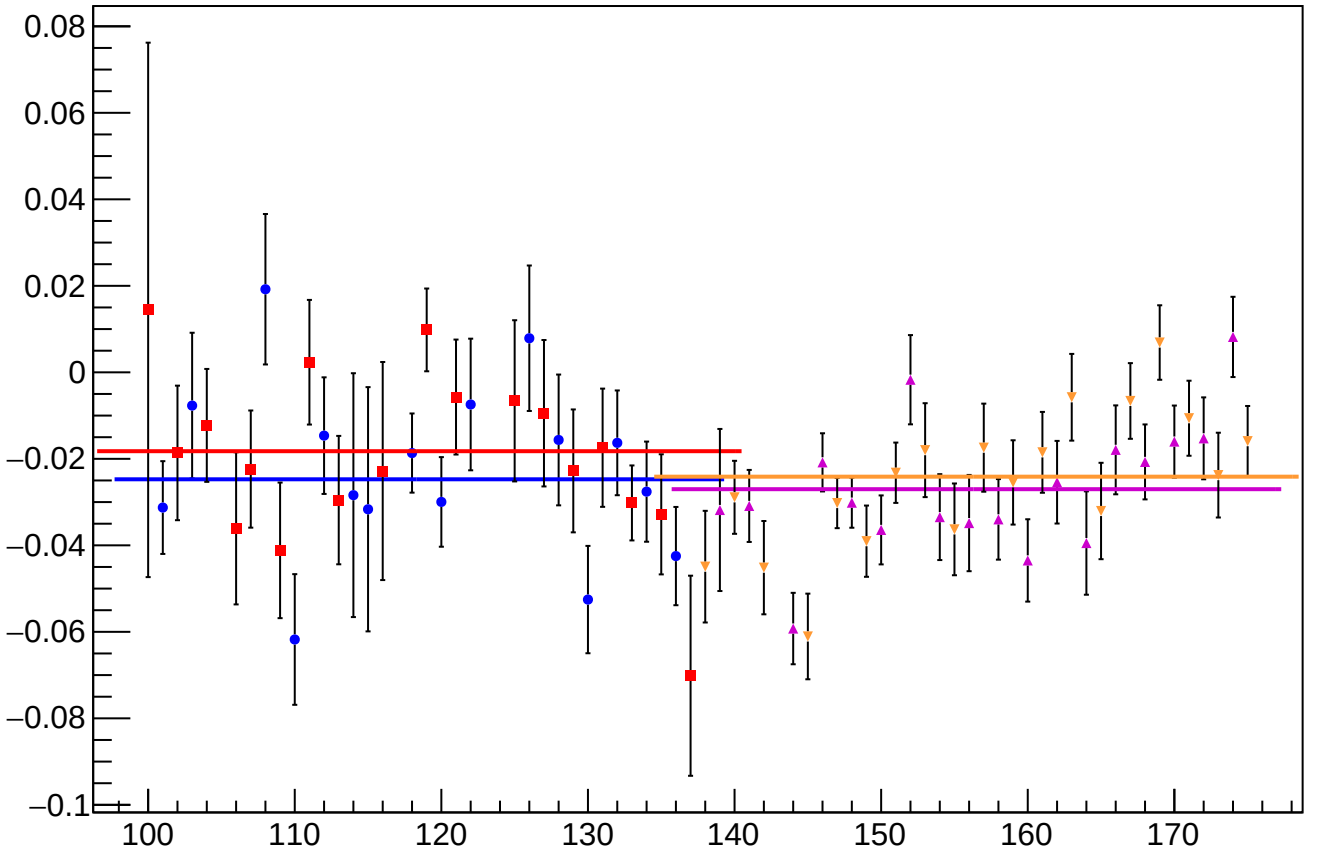
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.008+/-0.003 χ^2/NDF:402.5/17

+ sign -0.007+/-0.002 χ^2/NDF: 1347.9/34

All: -0.010+/-0.002 χ^2/NDF: 2681.6/70

- sign -0.014+/-0.002 χ^2/NDF: 1328.3/35



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.024+/-0.002 χ^2/NDF:51.8/18

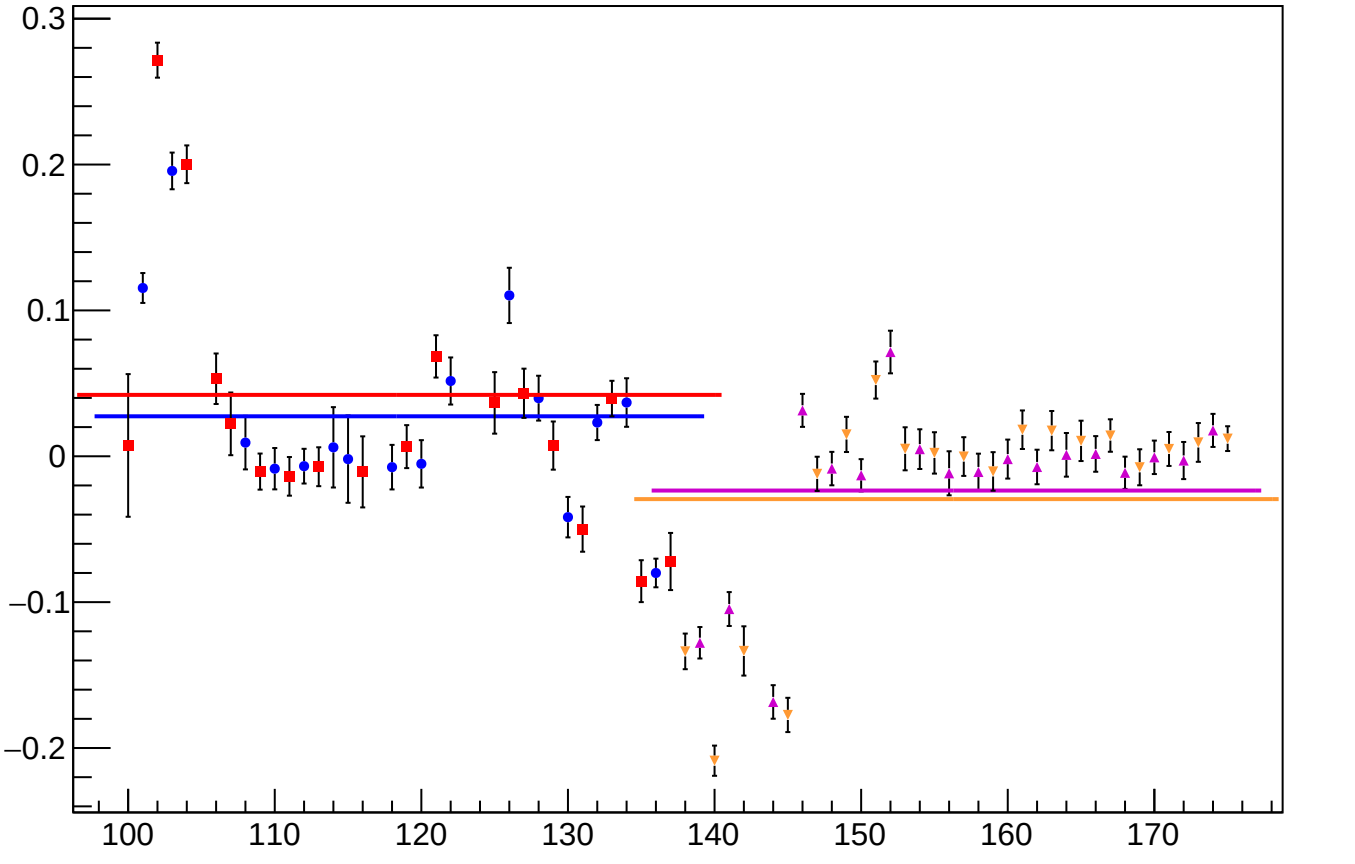
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.027+/-0.002 χ^2/NDF:48.6/17

+ sign -0.024+/-0.002 χ^2/NDF: 80.4/34

All: -0.024+/-0.001 χ^2/NDF: 158.6/70

- sign -0.025+/-0.002 χ^2/NDF: 78.2/35



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.029+/-0.003 χ^2/NDF:736.9/18

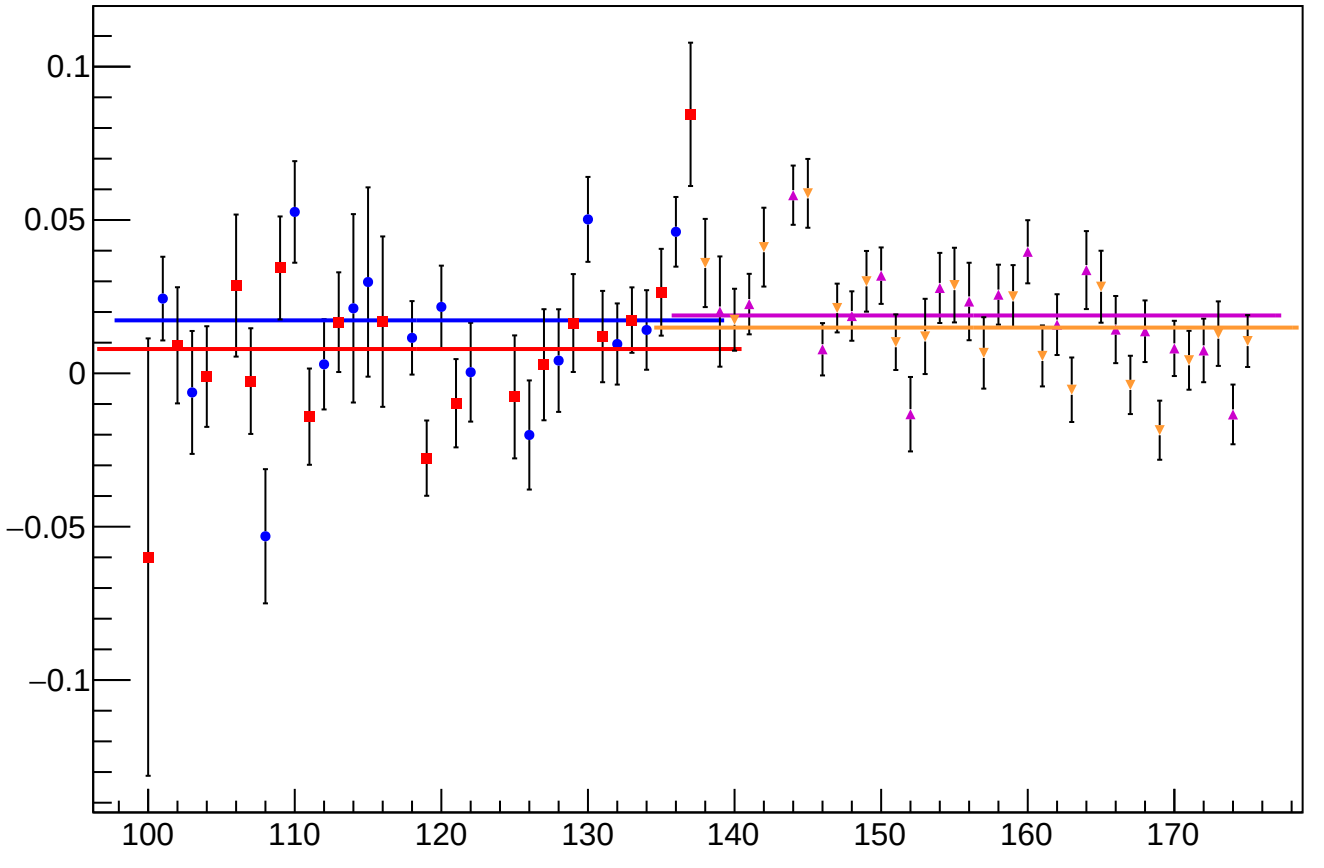
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.023+/-0.003 χ^2/NDF:407.9/17

+ sign -0.008+/-0.002 χ^2/NDF: 1338.7/34

All: -0.003+/-0.002 χ^2/NDF: 2688.8/70

- sign 0.002+/-0.002 χ^2/NDF: 1341.5/35



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.002 χ^2/NDF:51.0/18

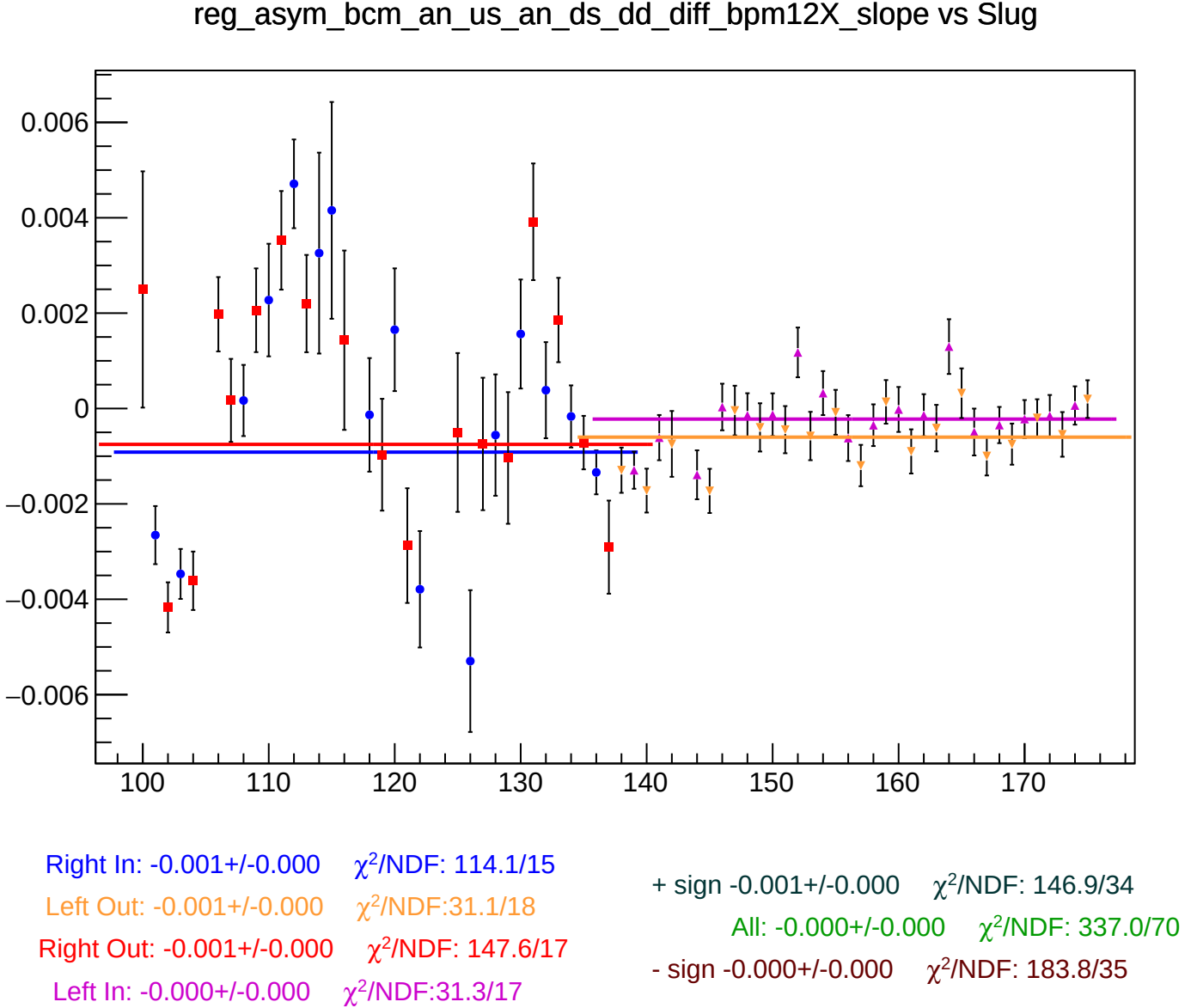
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.019+/-0.002 χ^2/NDF:48.1/17

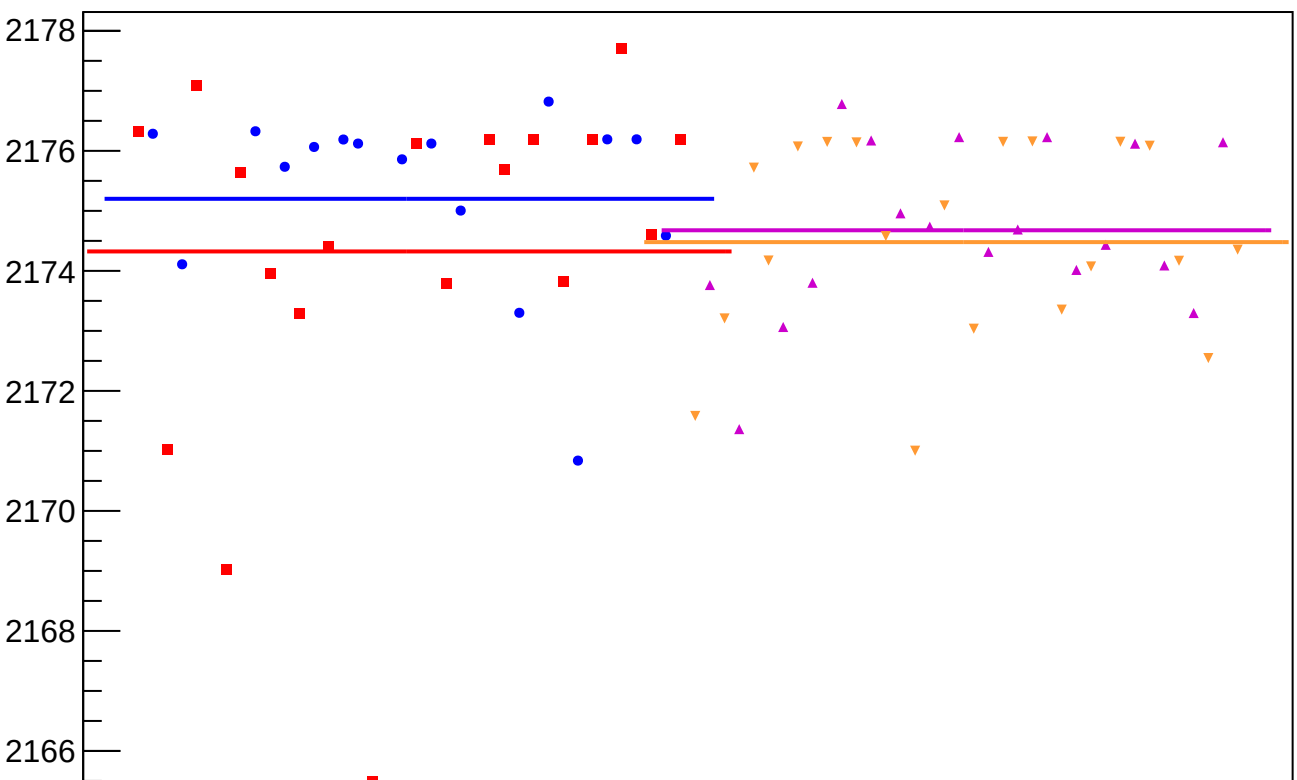
+ sign 0.016+/-0.002 χ^2/NDF: 88.0/34

All: 0.016+/-0.001 χ^2/NDF: 173.2/70

- sign 0.016+/-0.002 χ^2/NDF: 85.2/35


reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
100
110
120
130
140
150
160
170
Right In: -0.001+/-0.000 χ²/NDF: 114.1/15
Left Out: -0.001+/-0.000 χ²/NDF:31.1/18
Right Out: -0.001+/-0.000 χ²/NDF: 147.6/17
Left In: -0.000+/-0.000 χ²/NDF:31.3/17
+ sign -0.001+/-0.000 χ²/NDF: 146.9/34
All: -0.000+/-0.000 χ²/NDF: 337.0/70
- sign -0.000+/-0.000 χ²/NDF: 183.8/35

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.479+/-0.000 χ^2/NDF:42556598214814227350979741703208 96.0/19

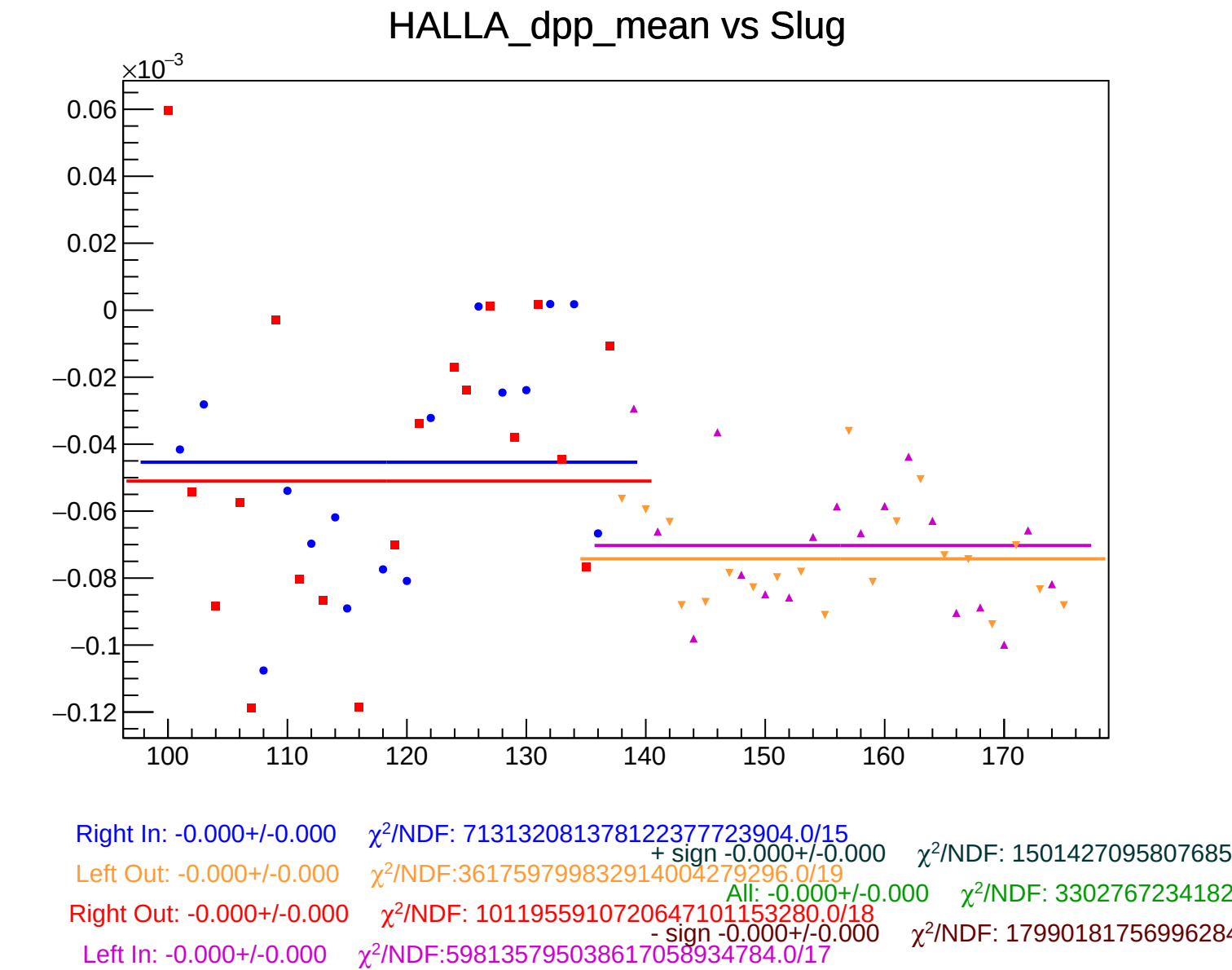
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.677+/-0.000 χ^2/NDF:30220701958063831429533696702545 92.0/17

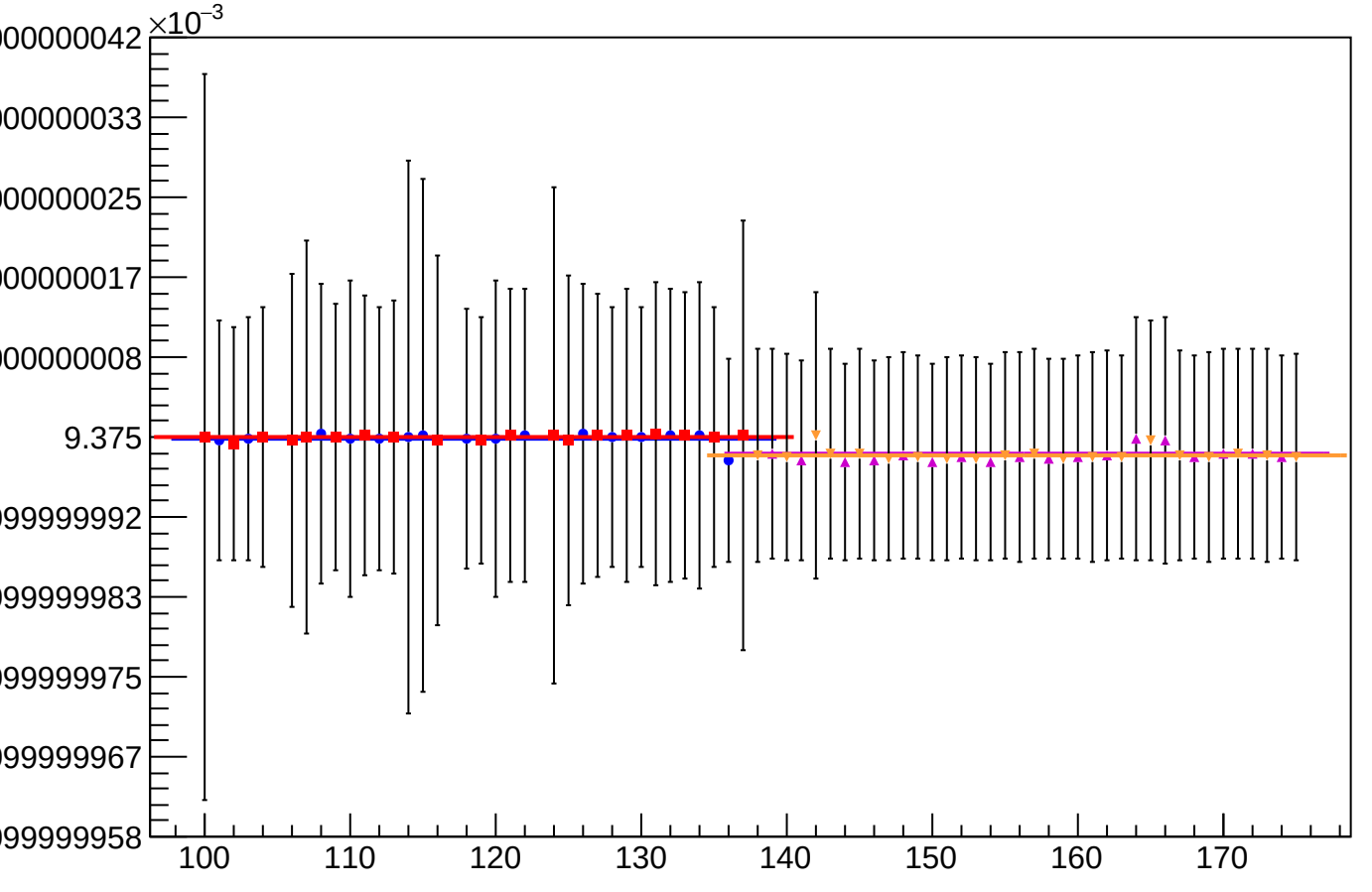
+ sign 2174.703+/-0.000 χ^2/NDF: 628792436022 95

All: 2174.633+/-0.000 χ^2/NDF: 149396629 32

- sign 2174.560+/-0.000 χ^2/NDF: 8627848127411 7


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:3617597998329140042792960.0/19
Right Out: -0.000+/-0.000 χ²/NDF: 1011955910720647101153280.0/18
Left In: -0.000+/-0.000 χ²/NDF:59813579503861705893478 4.0/17
+ sign -0.000+/-0.000 χ²/NDF: 1501427095807685
All: -0.000+/-0.000 χ²/NDF: 3302767234182
- sign -0.000+/-0.000 χ²/NDF: 1799018175699628

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/19

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

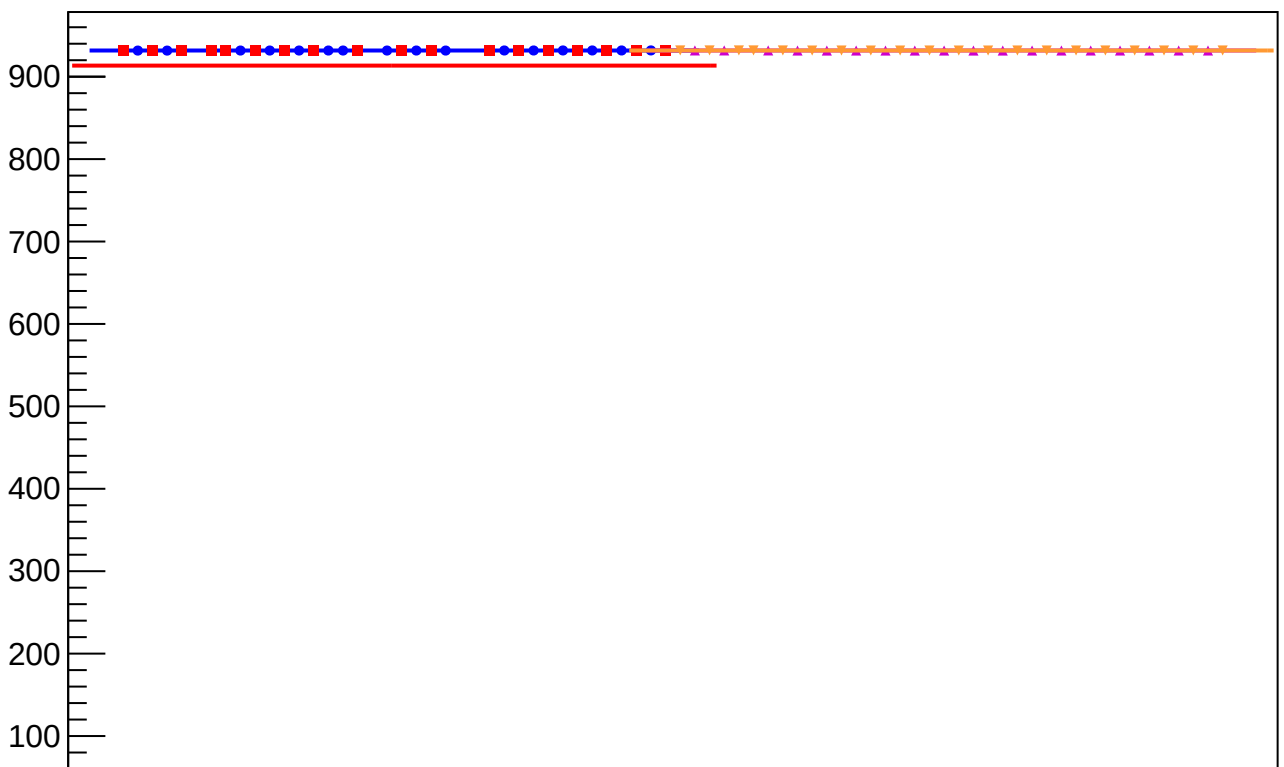
Left In: 0.009+/-0.000 χ^2/NDF:0.1/17

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/35

All: 0.009+/-0.000 χ^2/NDF: 0.5/72

- sign 0.009+/-0.000 χ^2/NDF: 0.3/36

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 931.780+/-0.000 χ^2/NDF: 707241260340303

Left Out: 931.785+/-0.000 χ^2/NDF:4183161883108006832439996448768.0/19

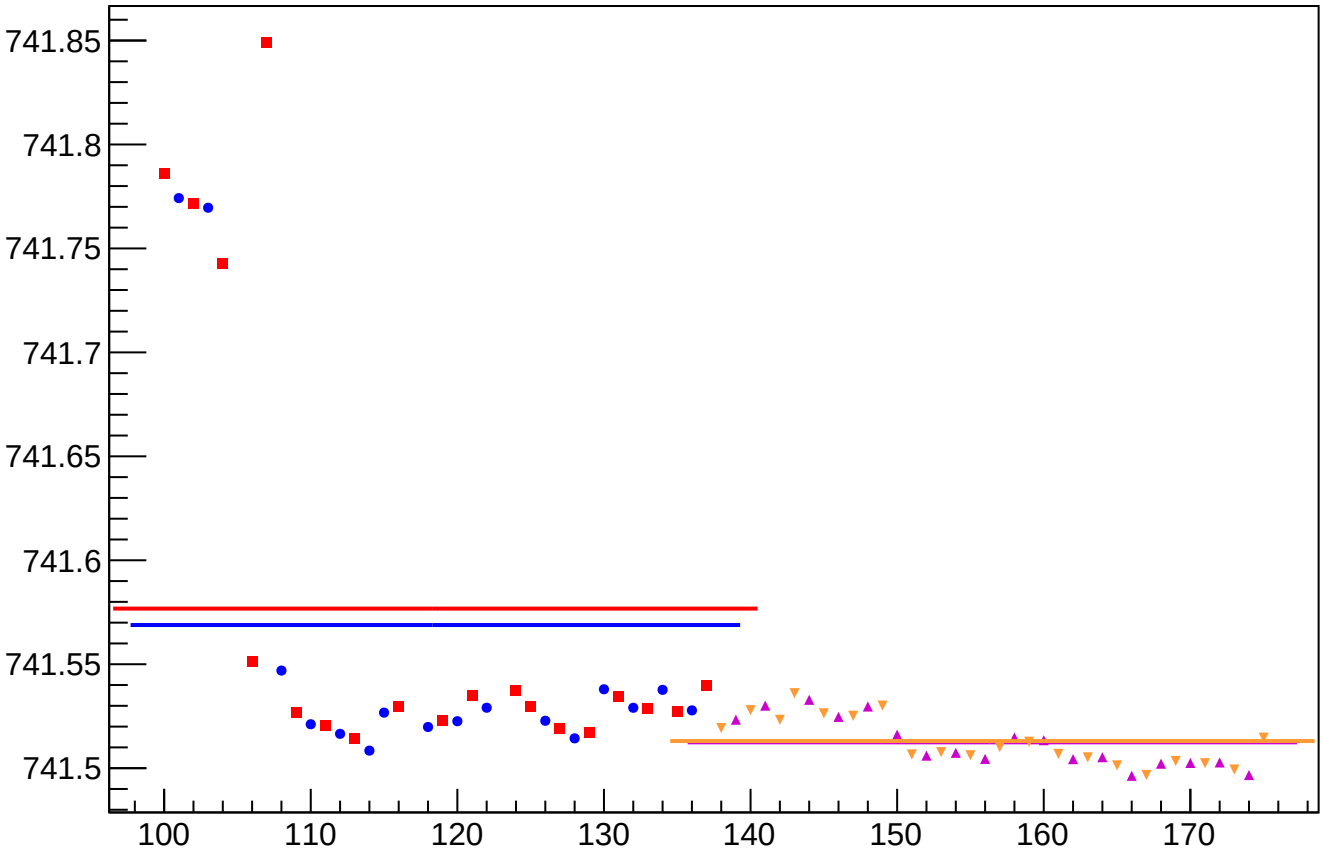
All: 928.805+/-0.000 χ^2/NDF: 12980699320

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 925.719+/-0.000 χ^2/NDF: 129375016444550

Left In: 931.775+/-0.000 χ^2/NDF:37178509256942723090943322357760.0/17

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

+ sign 741.530+/-0.000 χ^2/NDF: 823484898056338

Left Out: 741.513+/-0.000 χ^2/NDF:208464466168993615165769383936.0/19

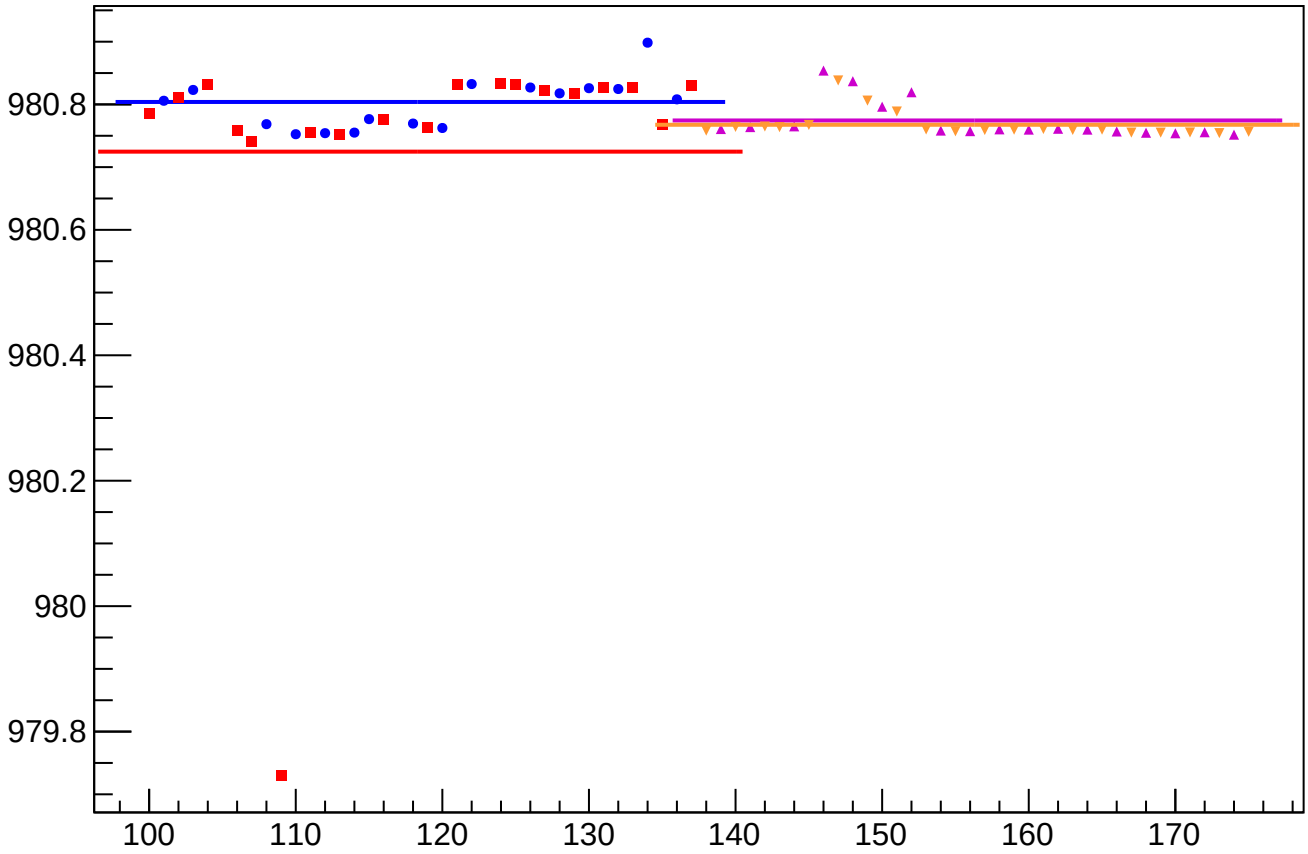
All: 741.532+/-0.000 χ^2/NDF: 182583231167

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

- sign 741.534+/-0.000 χ^2/NDF: 100101627238706

Left In: 741.512+/-0.000 χ^2/NDF:203639733801953693167221997568.0/17

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.768+/-0.000 χ^2/NDF:724102795574416267156803026944.0/19

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

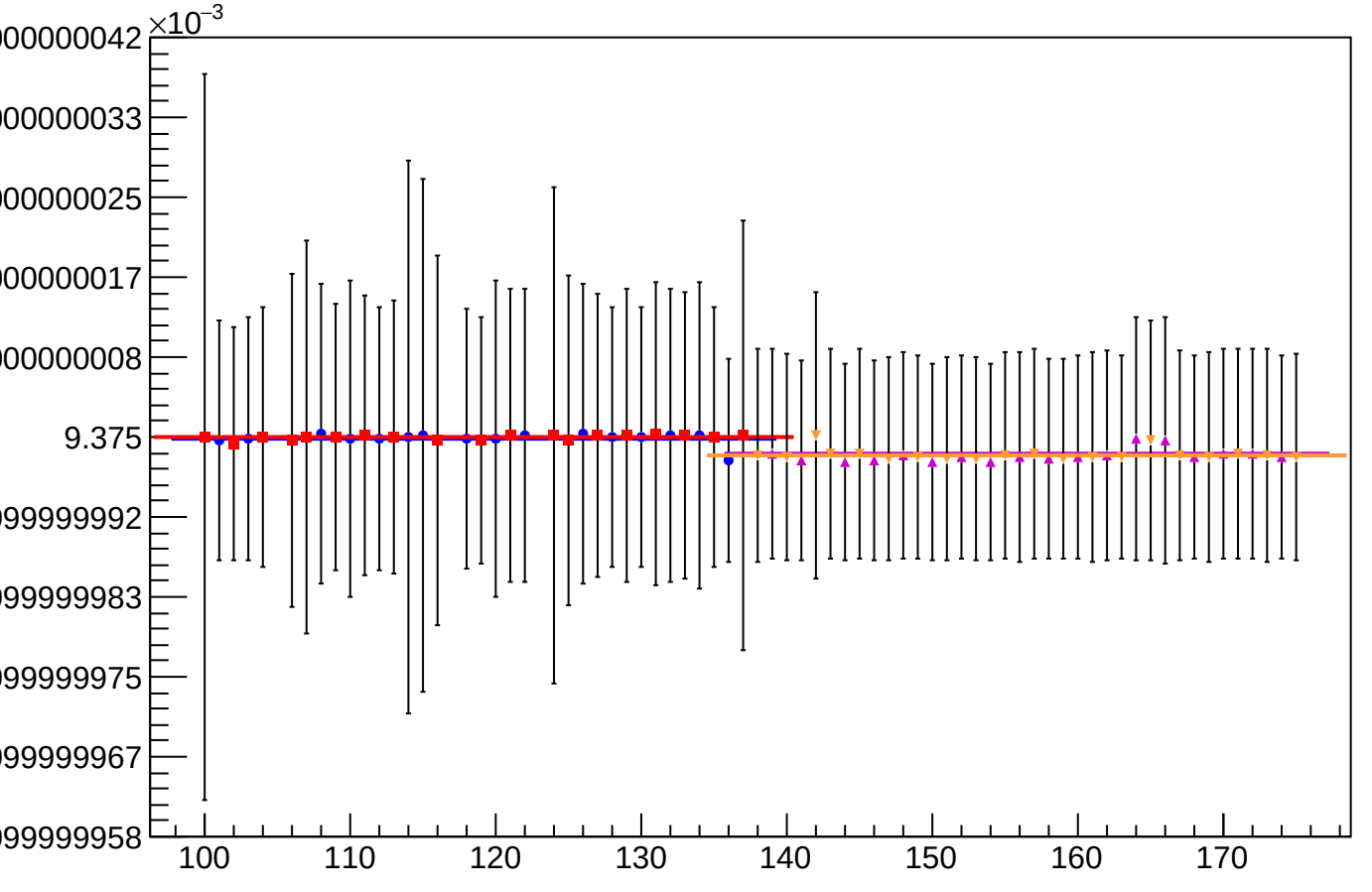
Left In: 980.774+/-0.000 χ^2/NDF:144988441639224020158141746380 8.0/17

+ sign 980.779+/-0.000 χ^2/NDF: 233387391690669

All: 980.769+/-0.000 χ^2/NDF: 615964920267

- sign 980.758+/-0.000 χ^2/NDF: 587529755800915

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/19

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

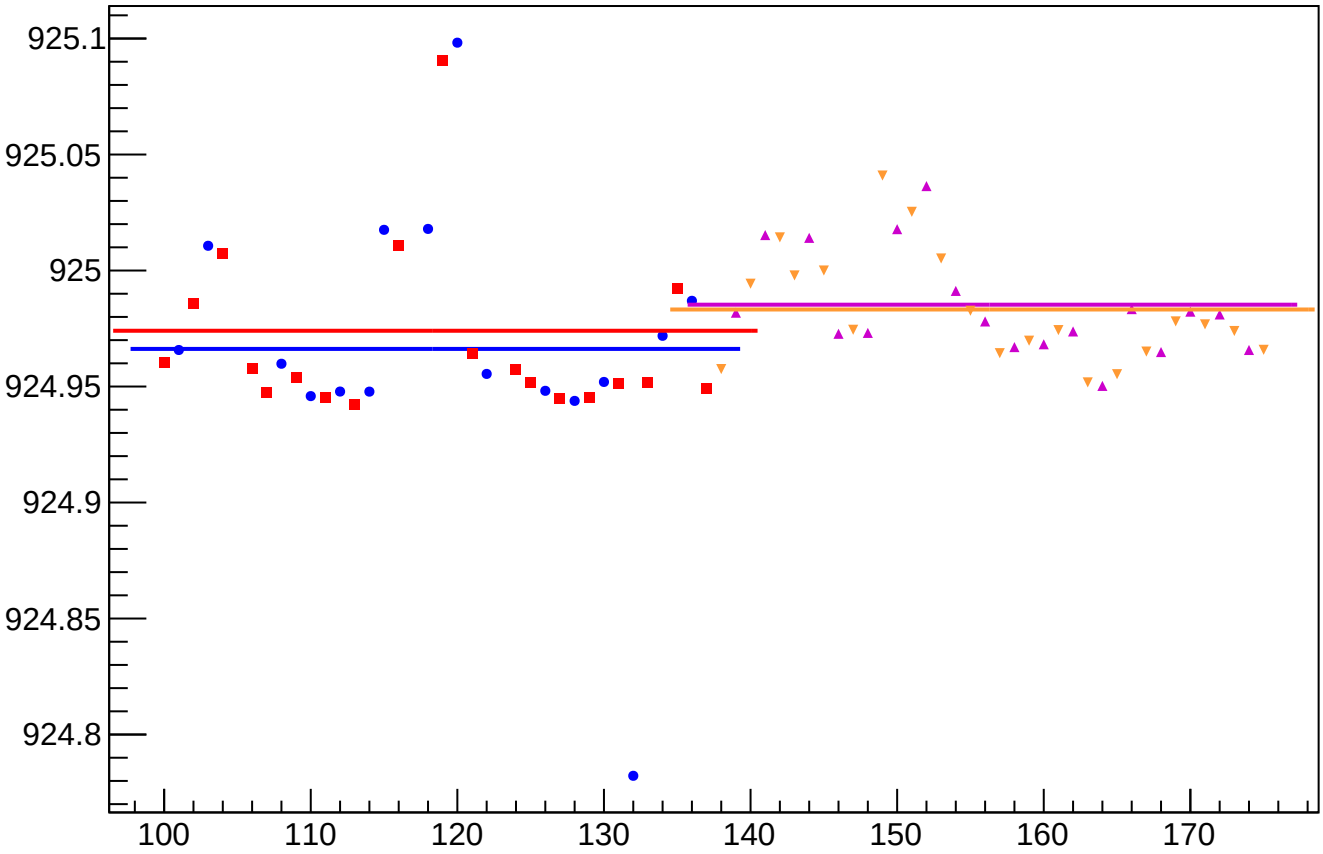
Left In: 0.009+/-0.000 χ^2/NDF:0.1/17

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/35

All: 0.009+/-0.000 χ^2/NDF: 0.5/72

- sign 0.009+/-0.000 χ^2/NDF: 0.3/36

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.983+/-0.000 χ^2/NDF:90854139699192169669404812902 4.0/19

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

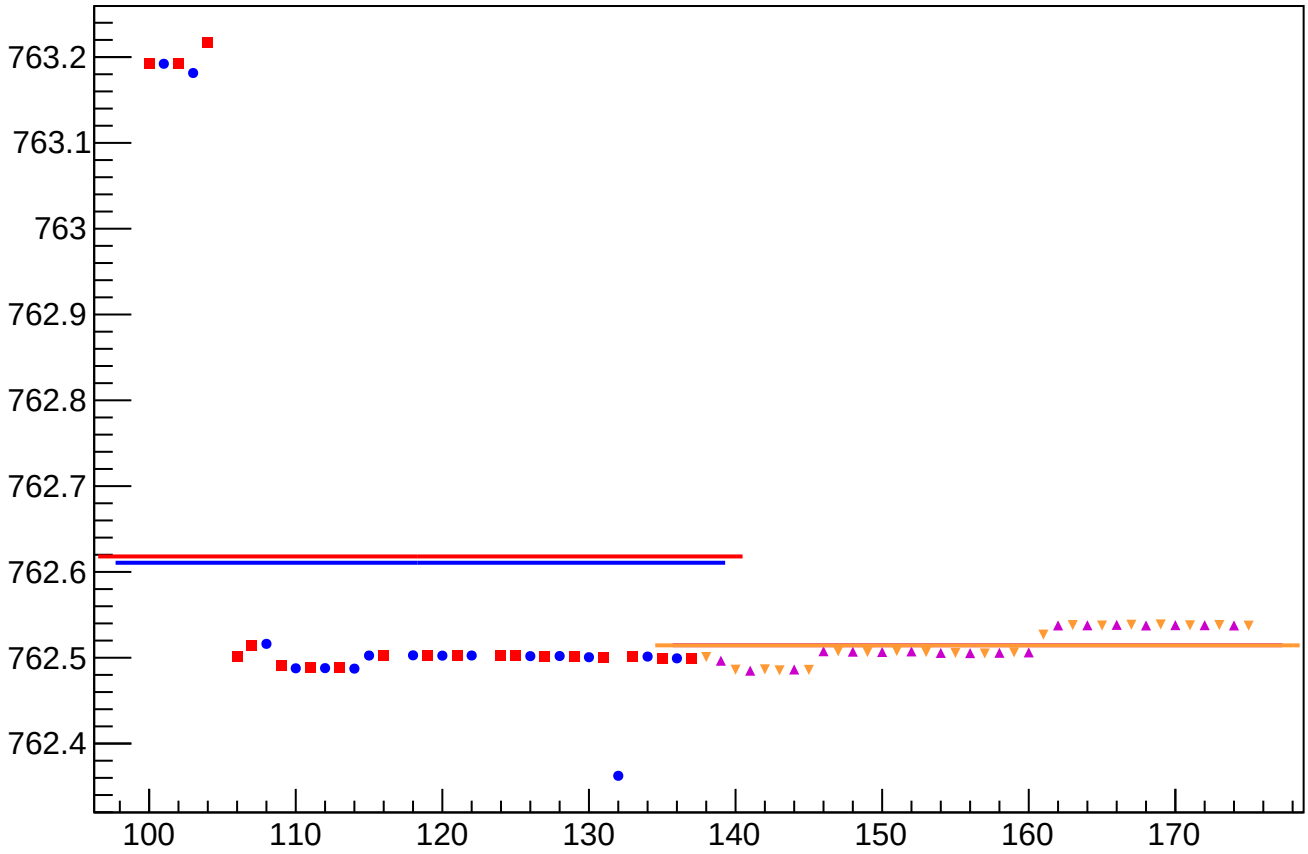
Left In: 924.985+/-0.000 χ^2/NDF:74975839558283458370600540569 6.0/17

+ sign 924.978+/-0.000 χ^2/NDF: 360061776236629

All: 924.980+/-0.000 χ^2/NDF: 5672235719311

- sign 924.982+/-0.000 χ^2/NDF: 205622783138474

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.514+/-0.000 χ^2/NDF:631672966834007824314333659136.0/19

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

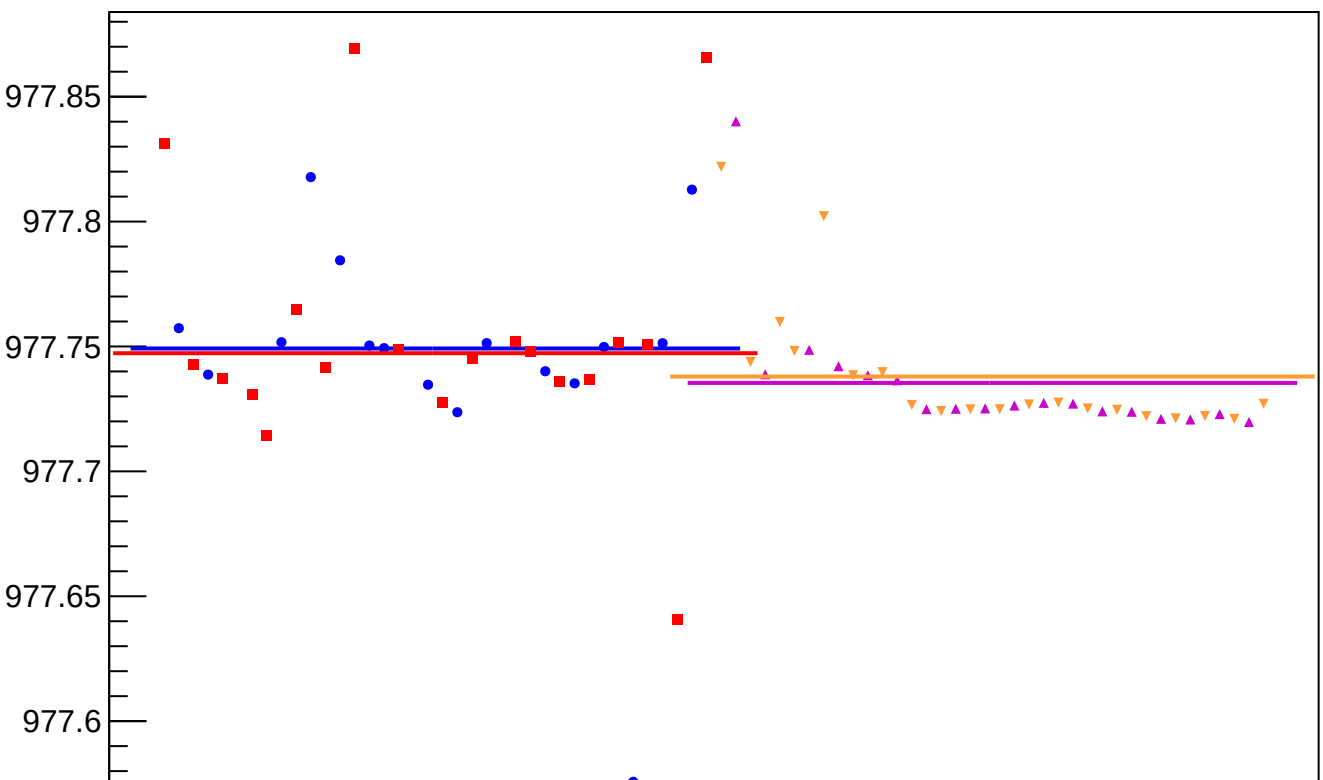
Left In: 762.515+/-0.000 χ^2/NDF:533014530113815682864562307072.0/17

+ sign 762.544+/-0.000 χ^2/NDF: 575345243194861

All: 762.546+/-0.000 χ^2/NDF: 116689807566

- sign 762.549+/-0.000 χ^2/NDF: 591305930235131

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.738+/-0.000 χ^2/NDF:1154309662640916609855710560256.0/19

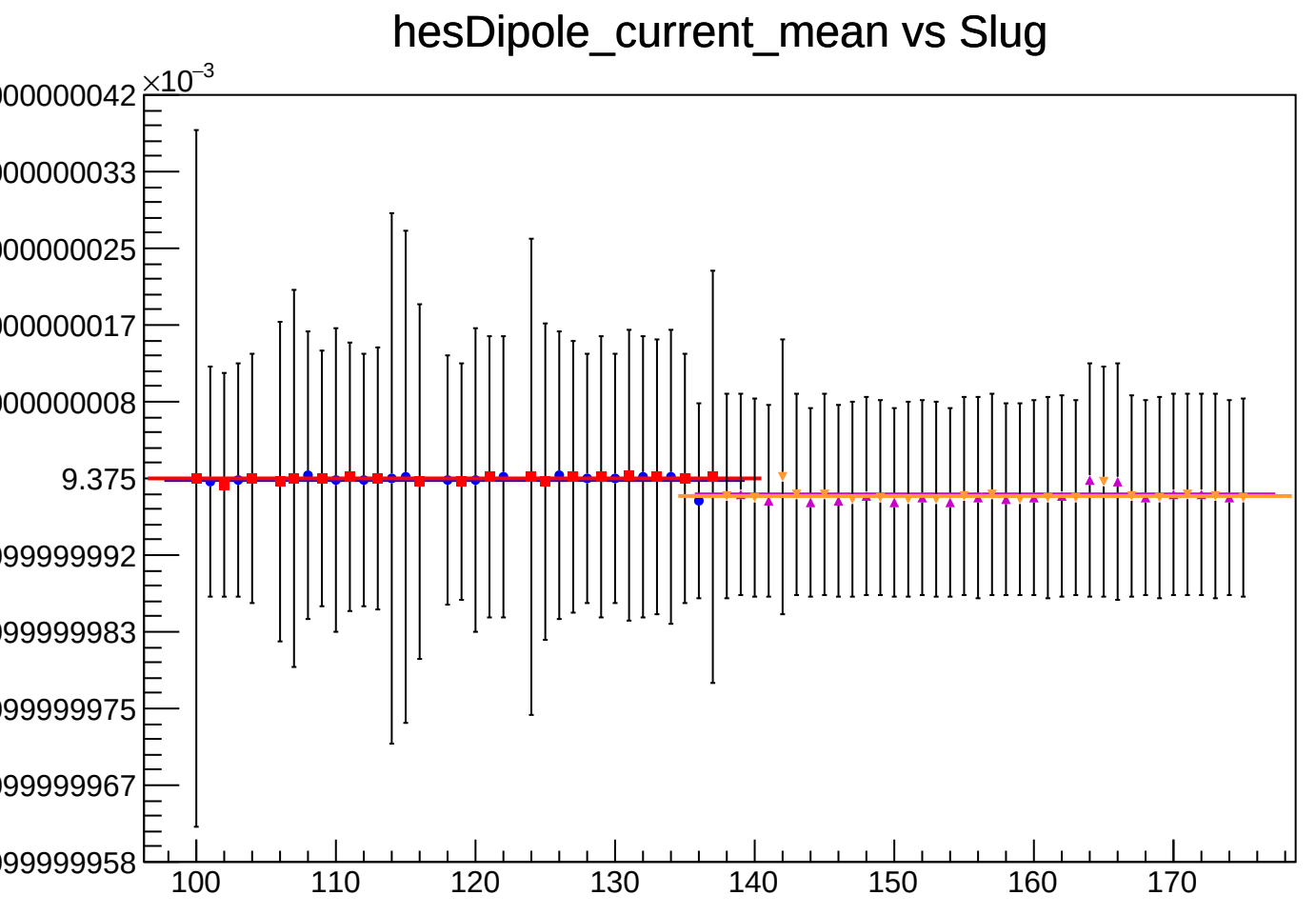
Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

Left In: 977.735+/-0.000 χ^2/NDF:10793760533745839526529508311040.0/17

+ sign 977.741+/-0.000 χ^2/NDF: 317841606422832

All: 977.740+/-0.000 χ^2/NDF: 611752279655

- sign 977.739+/-0.000 χ^2/NDF: 293392296254112



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/19

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

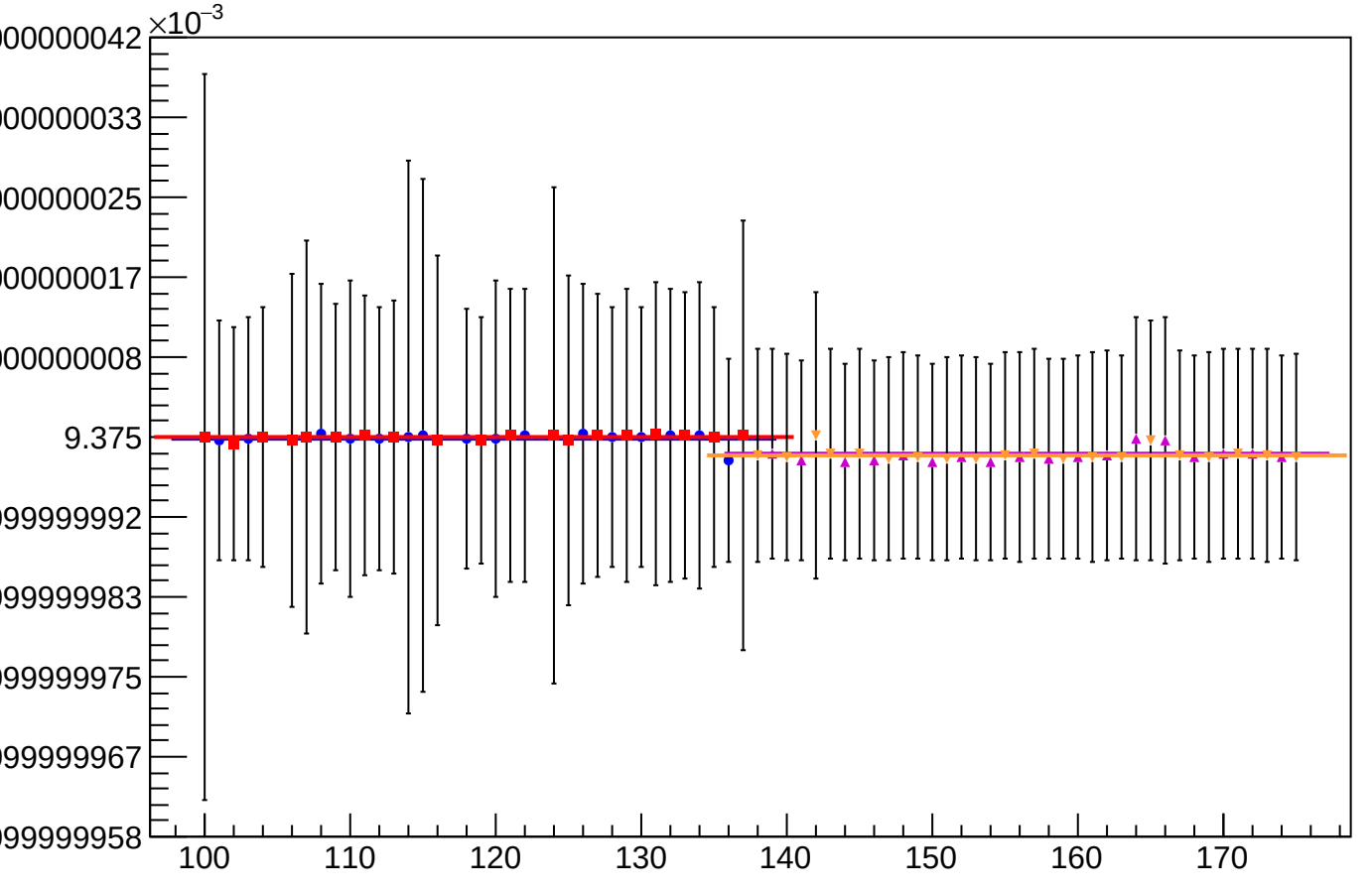
Left In: 0.009+/-0.000 χ^2/NDF:0.1/17

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/35

All: 0.009+/-0.000 χ^2/NDF: 0.5/72

- sign 0.009+/-0.000 χ^2/NDF: 0.3/36

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/19

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

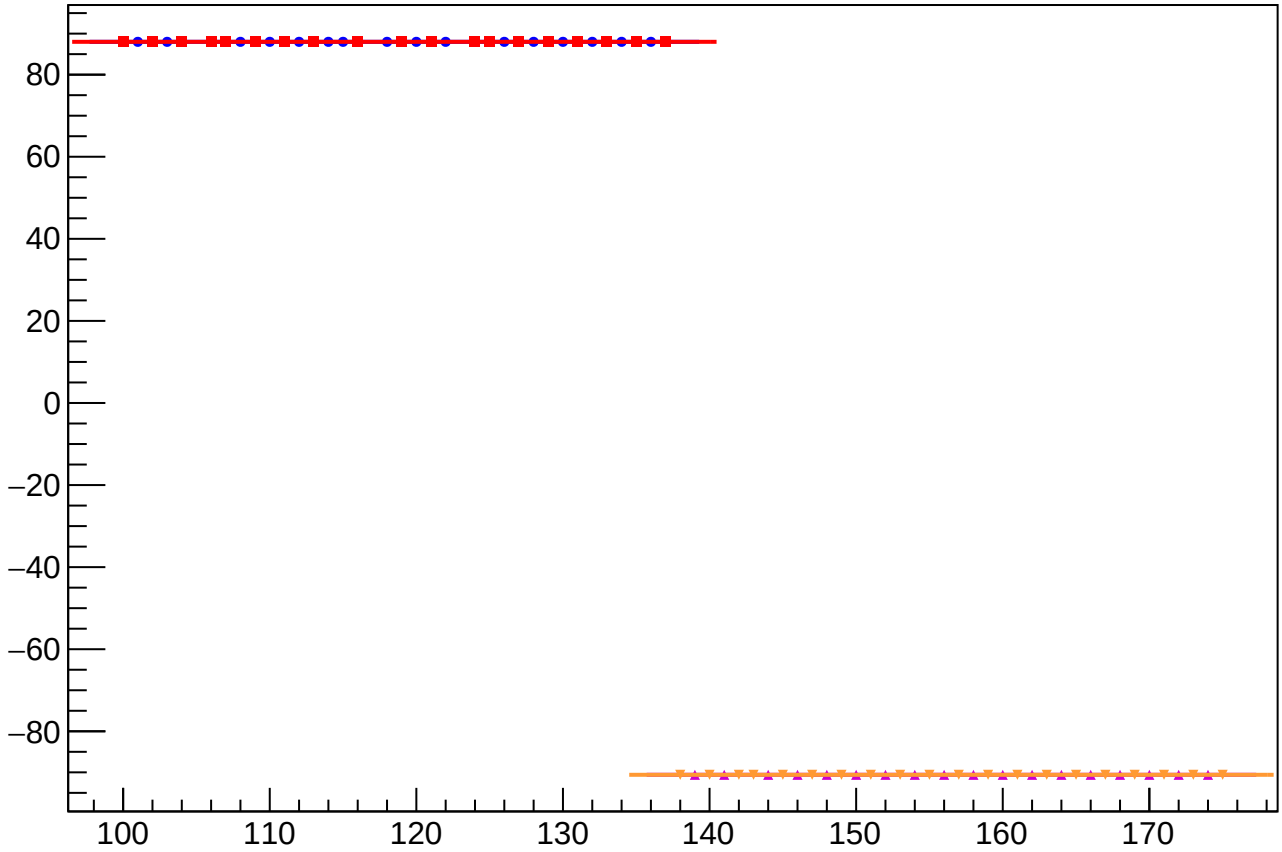
Left In: 0.009+/-0.000 χ^2/NDF:0.1/17

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/35

All: 0.009+/-0.000 χ^2/NDF: 0.5/72

- sign 0.009+/-0.000 χ^2/NDF: 0.3/36

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 1500072.7/15

Left Out: -90.599+/-0.000 χ^2/NDF:4752451.5/19

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

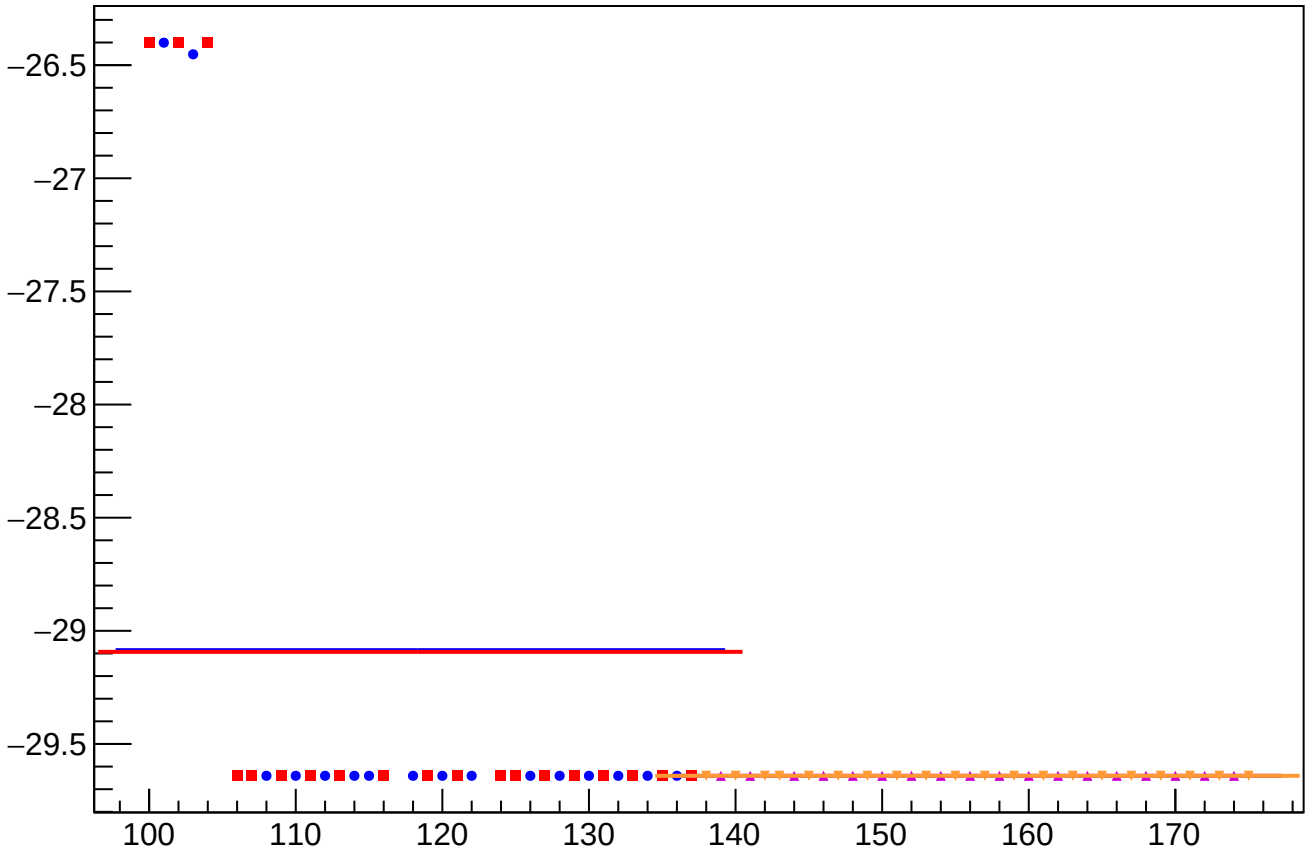
Left In: -90.599+/-0.000 χ^2/NDF:5276709.5/17

+ sign -35.341+/-0.000 χ^2/NDF: 163234180991398

All: -33.495+/-0.000 χ^2/NDF: 326362372868

- sign -31.581+/-0.000 χ^2/NDF: 162961928015906

HWienAngle_mean vs Slug



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:301900.2/19

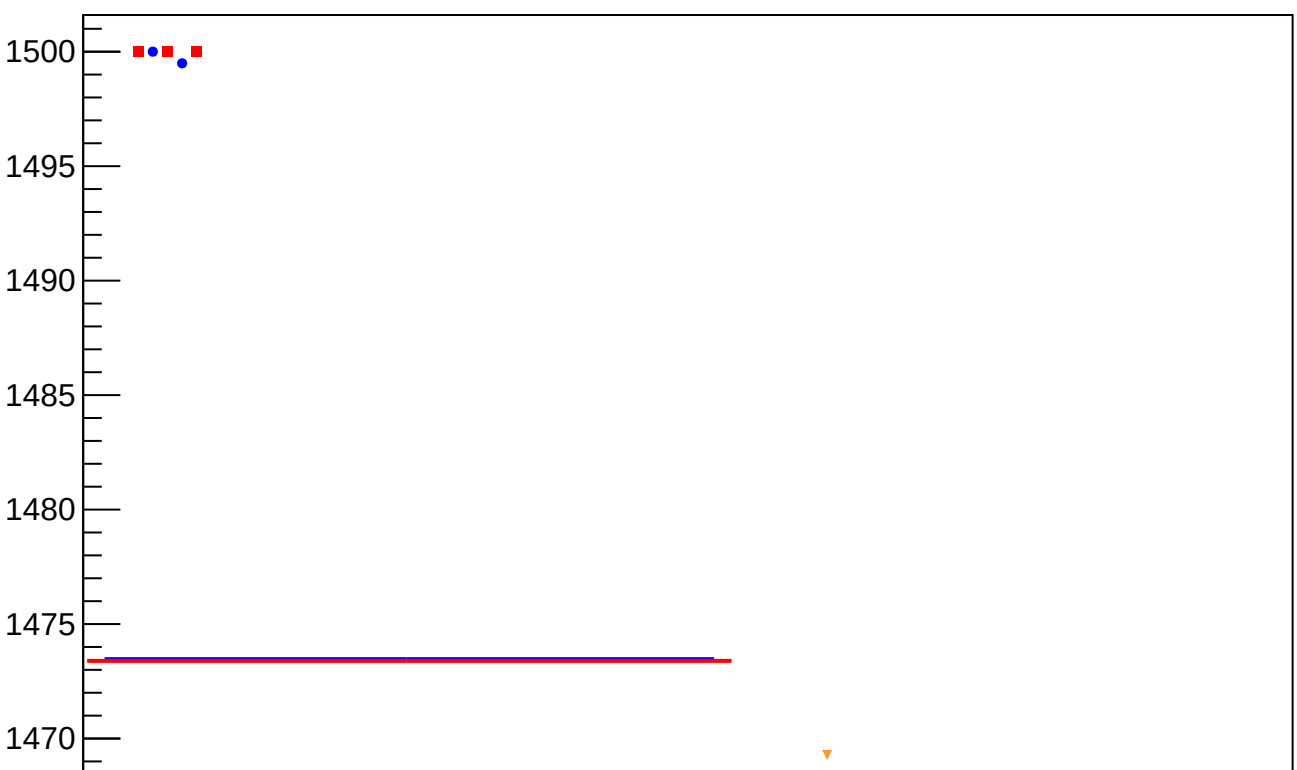
Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:86421.3/17

+ sign -29.469+/-0.000 χ^2/NDF: 125216870022069

All: -29.464+/-0.000 χ^2/NDF: 253080235102

- sign -29.460+/-0.000 χ^2/NDF: 127853402858379



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

+ sign 1469.734+/-0.000 χ^2/NDF: 12198593179825

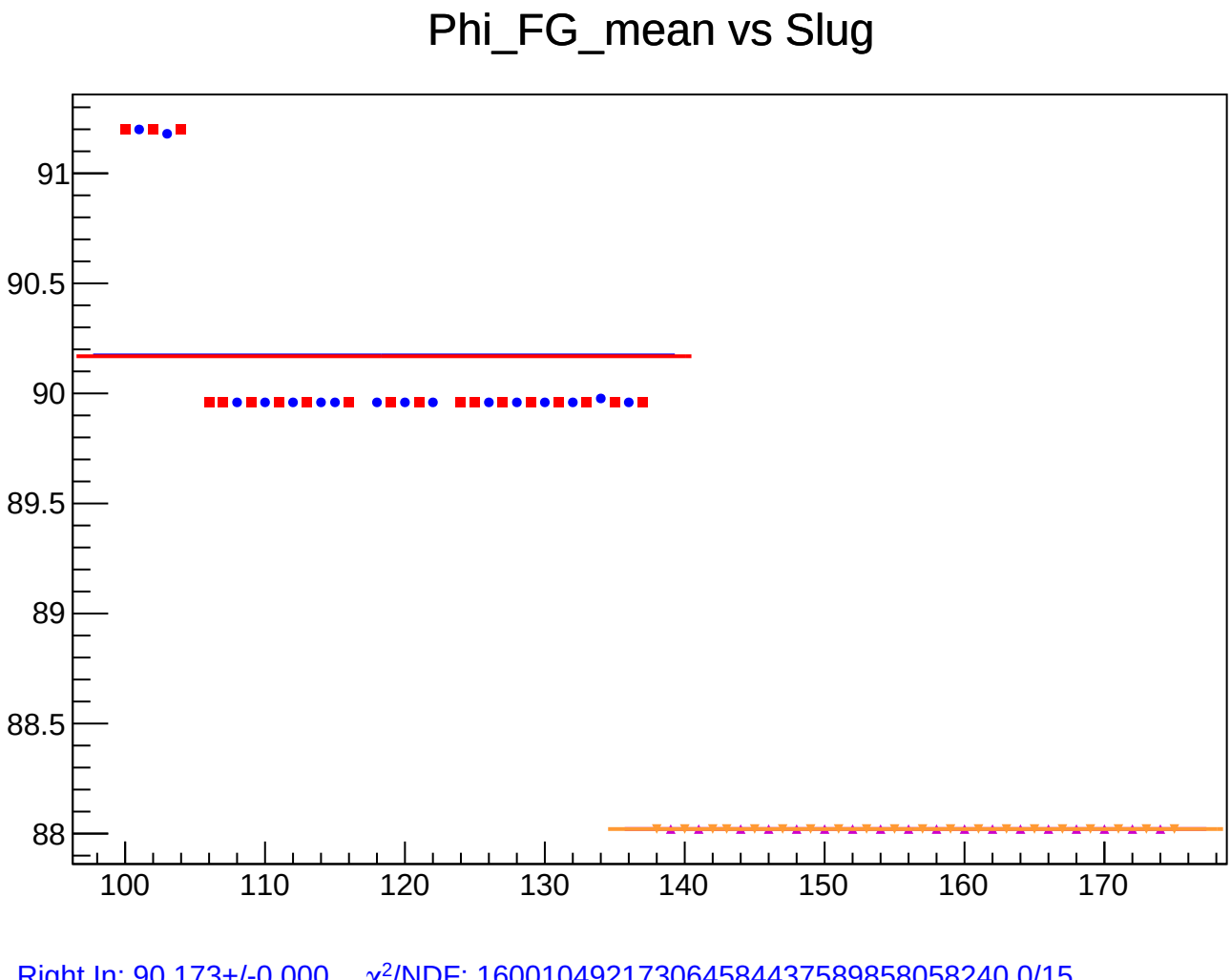
Left Out: 1468.062+/-0.000 χ^2/NDF:13839153181313037581877463587225 6.0/19

All: 1469.755+/-0.000 χ^2/NDF: 2467995234

Right Out: 1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

- sign 1469.777+/-0.000 χ^2/NDF: 12481145222658

Left In: 1467.992+/-0.000 χ^2/NDF:14103182402594684800223045222 4.0/17



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:4126007.6/19

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

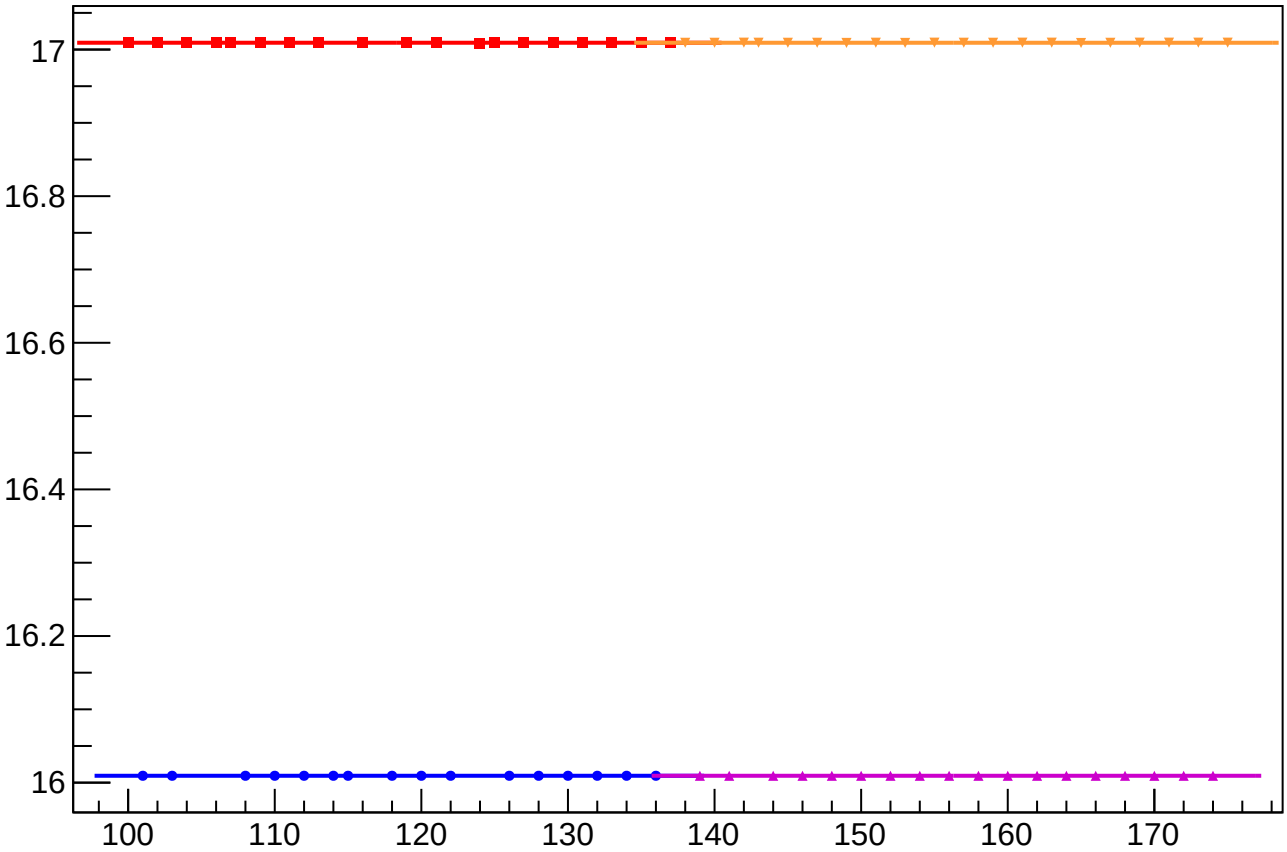
Left In: 88.021+/-0.000 χ^2/NDF:4462453.6/17

+ sign 88.687+/-0.000 χ^2/NDF: 2530044165638555

All: 88.708+/-0.000 χ^2/NDF: 505477004007

- sign 88.731+/-0.000 χ^2/NDF: 2522445383559603

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 44239.3/15

Left Out: 17.009+/-0.000 χ^2/NDF:2462647587854784799965184O.0/19

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

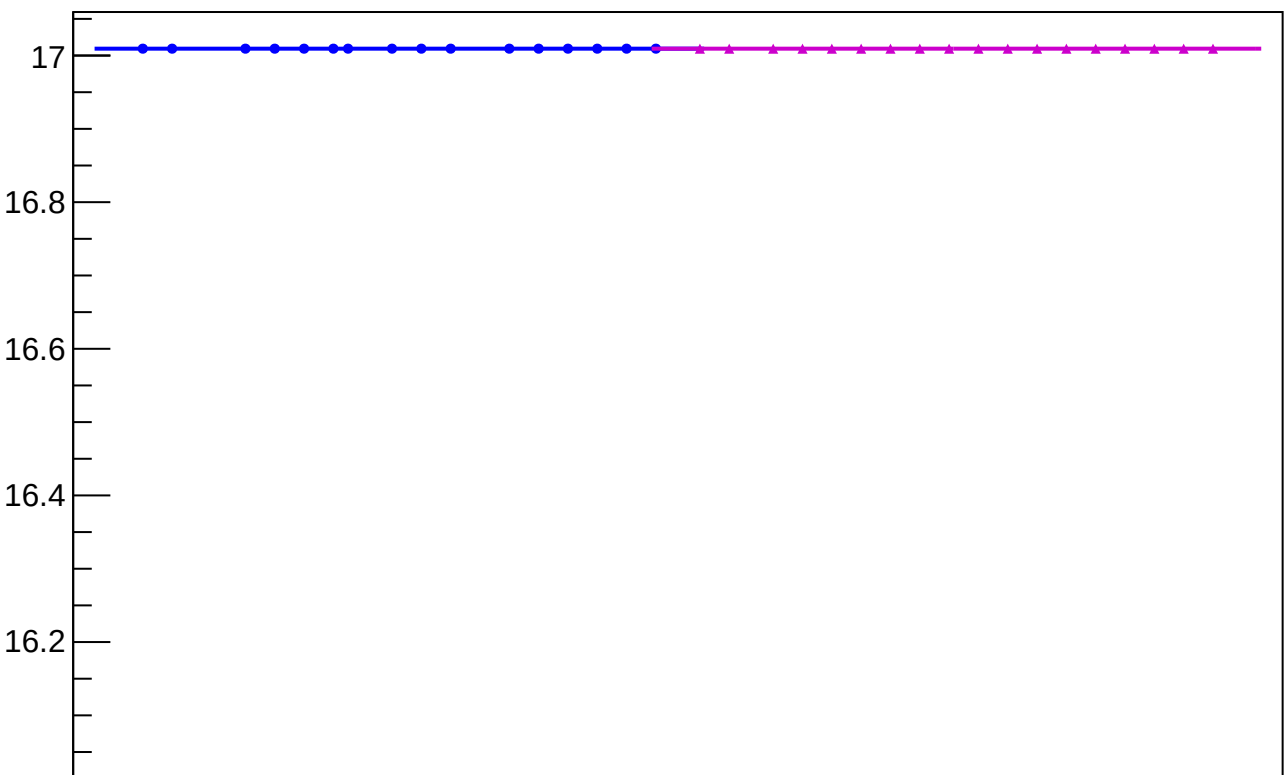
Left In: 16.009+/-0.000 χ^2/NDF:12340775878722724665753 6.0/17

+ sign 16.694+/-0.000 χ^2/NDF: 4806016982256828

All: 16.519+/-0.000 χ^2/NDF: 1088399718564

- sign 16.335+/-0.000 χ^2/NDF: 4673428223435996

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 126634.3/15

Left Out: 16.009+/-0.000 χ^2/NDF:76904.5/19

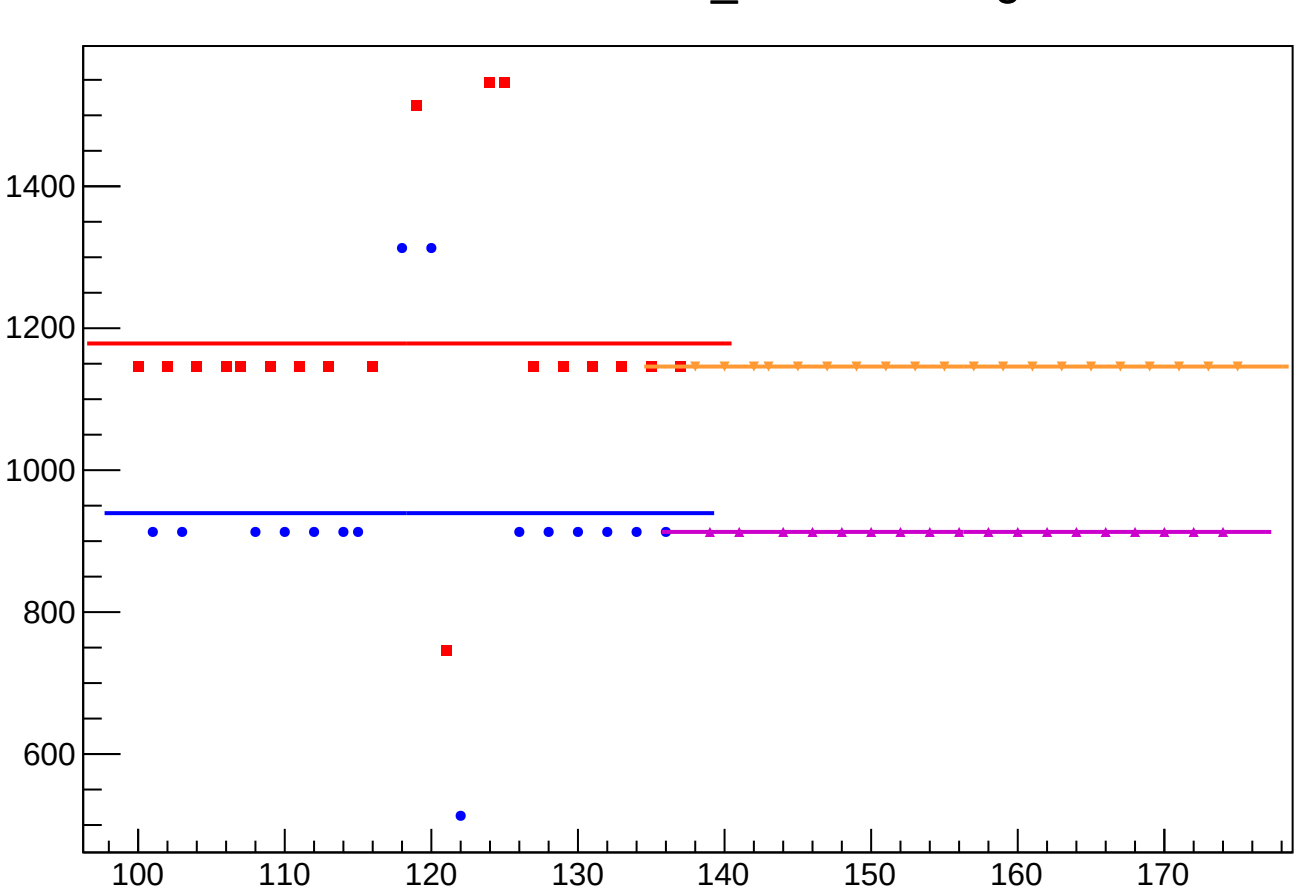
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:10978585329352314558873 6.0/17

+ sign 16.312+/-0.000 χ^2/NDF: 4929319057815838

All: 16.491+/-0.000 χ^2/NDF: 114915860988

- sign 16.675+/-0.000 χ^2/NDF: 5049939402574129



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1082.101+/-0.000 χ^2/NDF: 42918362544464

Left Out: 1146.011+/-0.000 χ^2/NDF:566706533214382540825454182 4.0/19

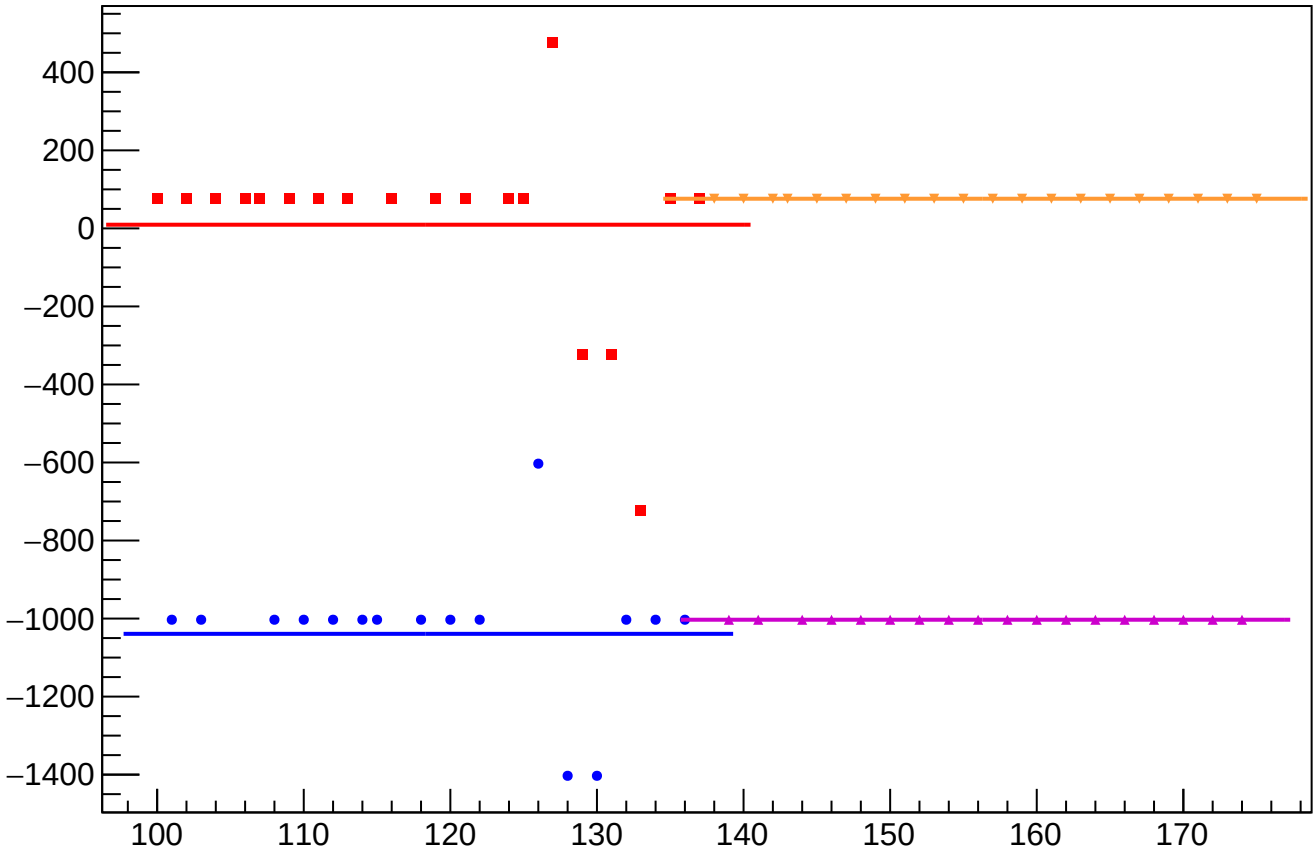
All: 1042.161+/-0.000 χ^2/NDF: 1088580366

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 1000.734+/-0.000 χ^2/NDF: 58156530857315

Left In: 912.995+/-0.000 χ^2/NDF:219042541061425749537115340 80.0/17

RTPAPOSVCNT_mean vs Slug



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

+ sign -269.016+/-0.000 χ^2/NDF: 65926814807852

Left Out: 76.011+/-0.000 χ^2/NDF:1002681946516677077252859494 4.0/19

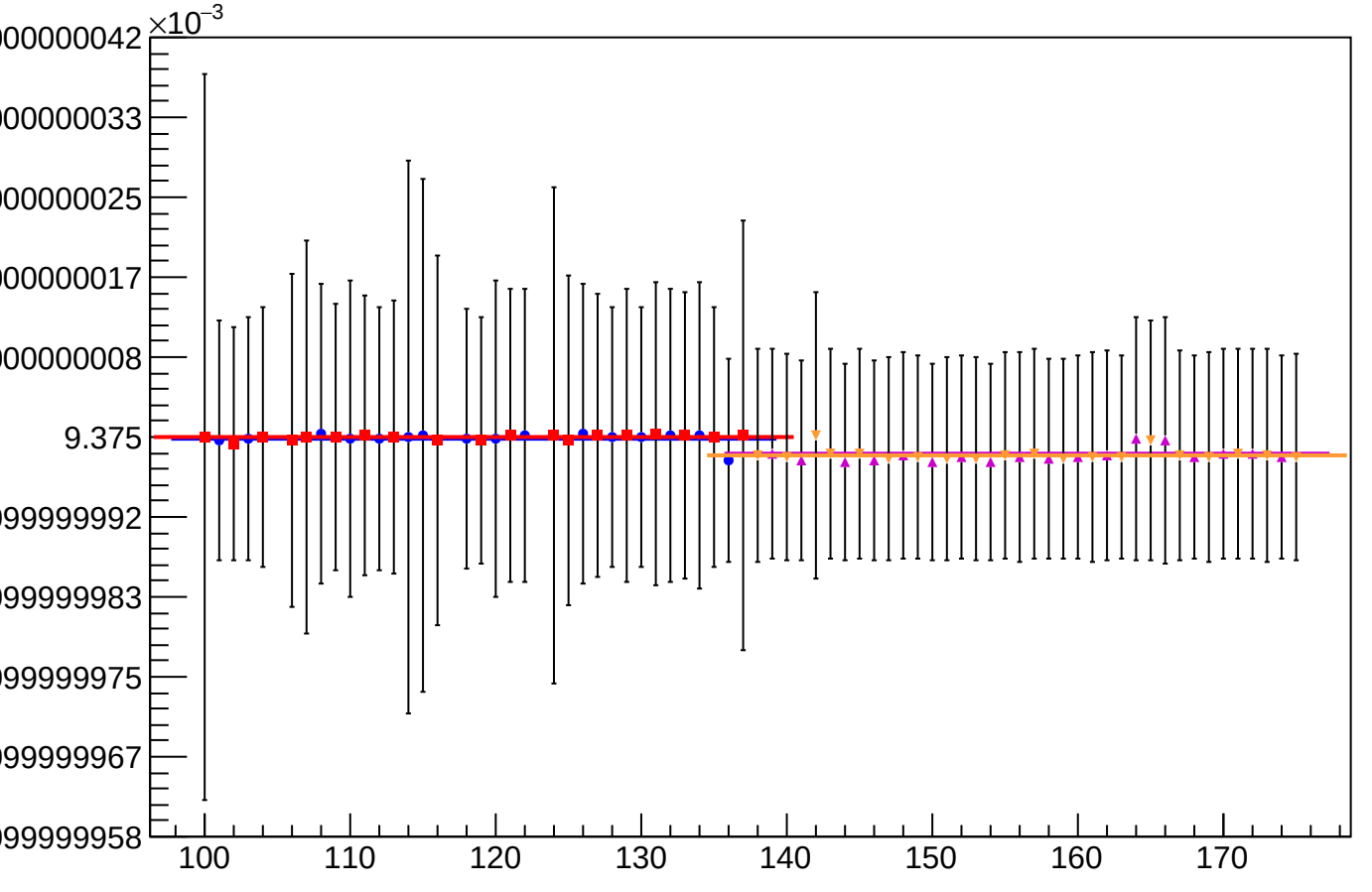
All: -465.076+/-0.000 χ^2/NDF: 1416519077

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409 92.0/18

- sign -668.440+/-0.000 χ^2/NDF: 56969525716920

Left In: -1002.990+/-0.000 χ^2/NDF:247699597180181522376189542 4.0/17

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/19

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

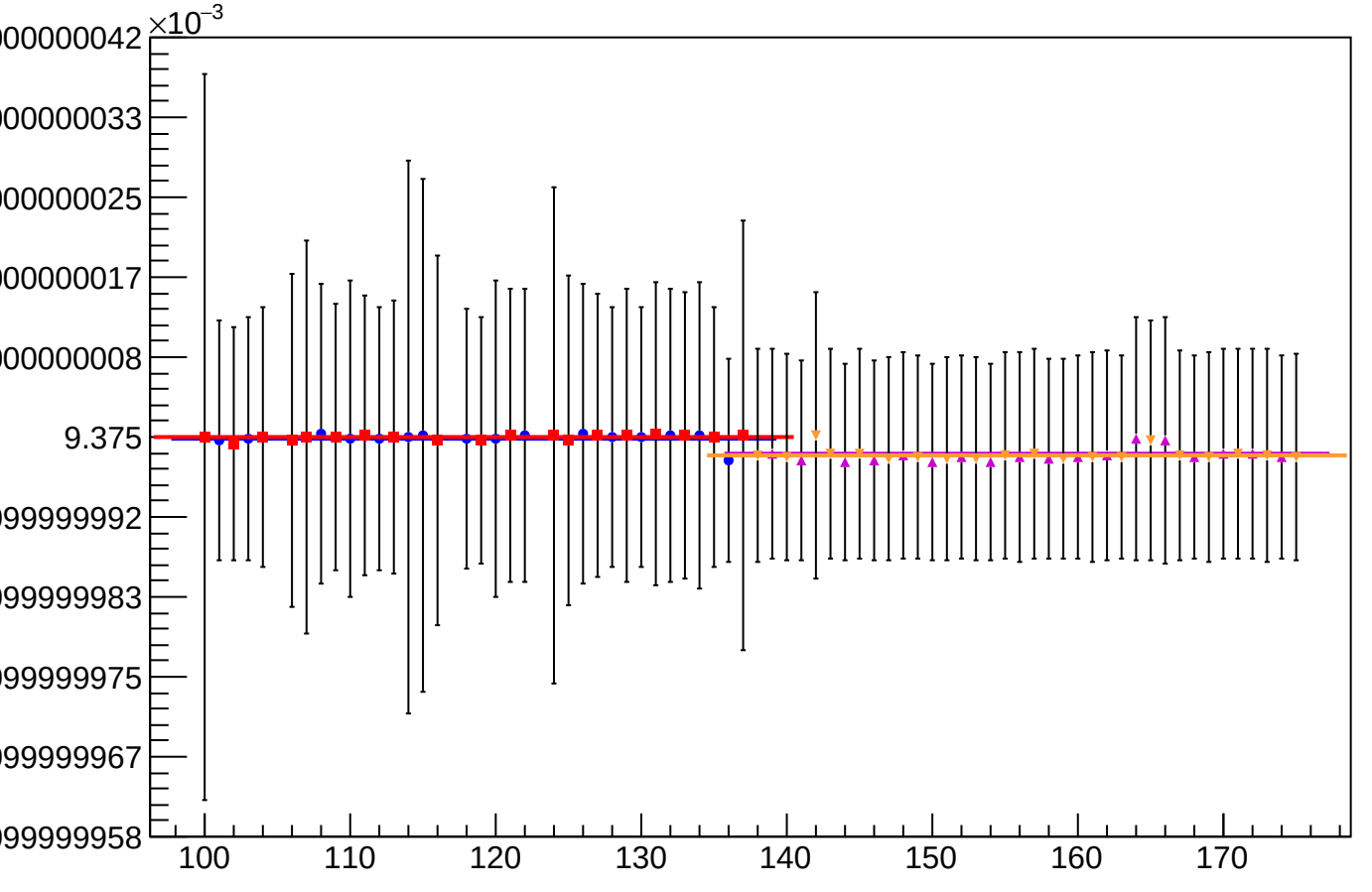
Left In: 0.009+/-0.000 χ^2/NDF:0.1/17

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/35

All: 0.009+/-0.000 χ^2/NDF: 0.5/72

- sign 0.009+/-0.000 χ^2/NDF: 0.3/36

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/19

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.1/17

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/35

All: 0.009+/-0.000 χ^2/NDF: 0.5/72

- sign 0.009+/-0.000 χ^2/NDF: 0.3/36