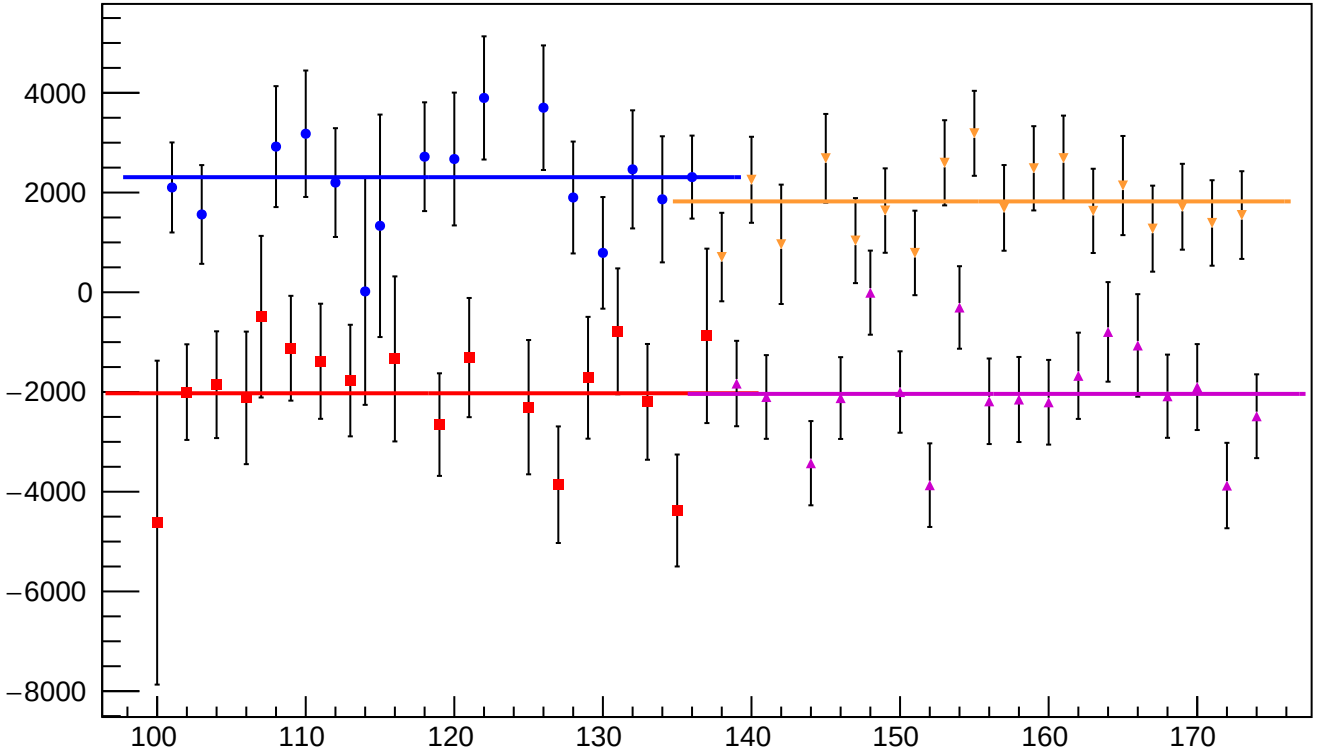
reg_asym_us_avg_mean vs Slug



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

Left Out: 1822.307+/-206.859 χ^2/NDF:11.7/17

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

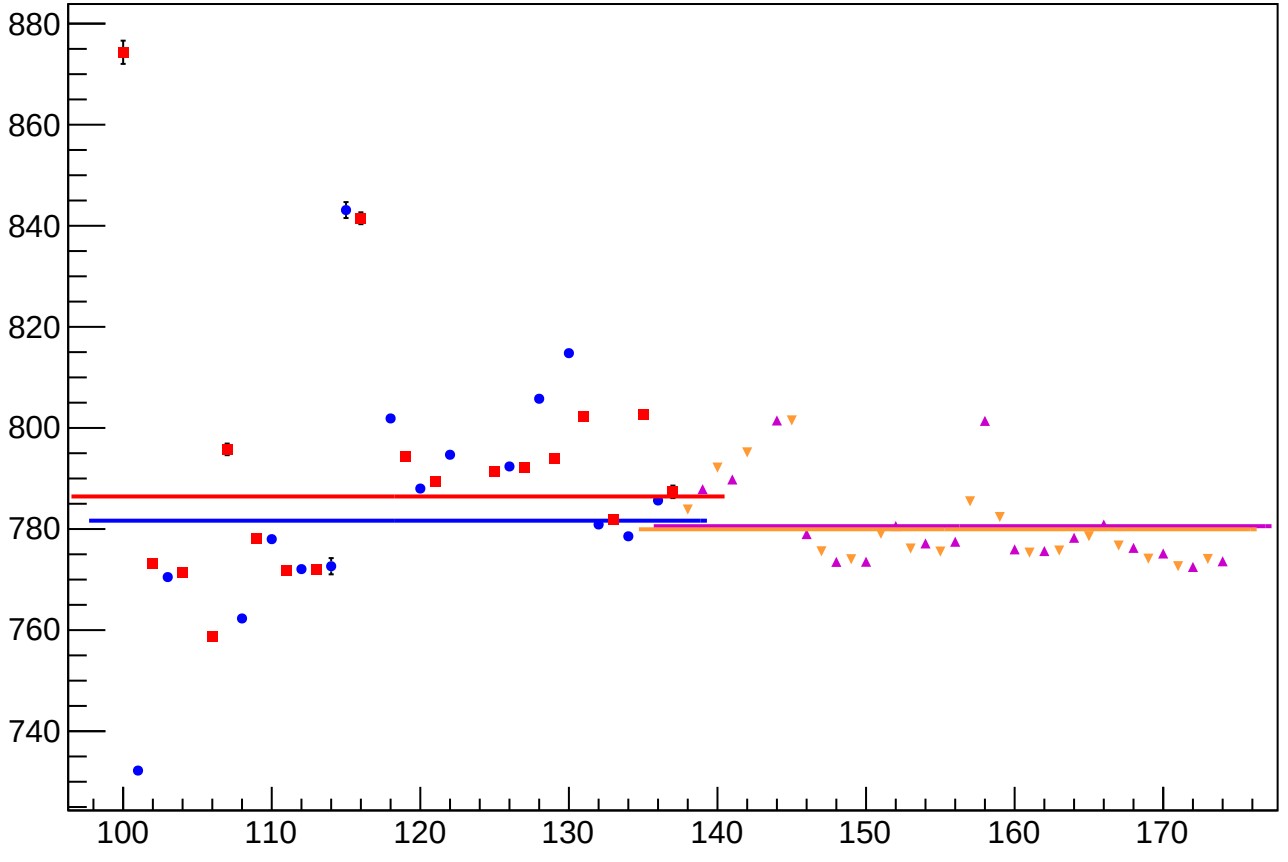
Left In: -2037.956+/-202.350 χ^2/NDF:25.4/17

+ sign 1985.824+/-168.490 χ^2/NDF: 21.3/33

All: -55.085+/-118.217 χ^2/NDF: 347.6/69

- 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: 779.950+/-0.146 χ^2/NDF:2746.3/17

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

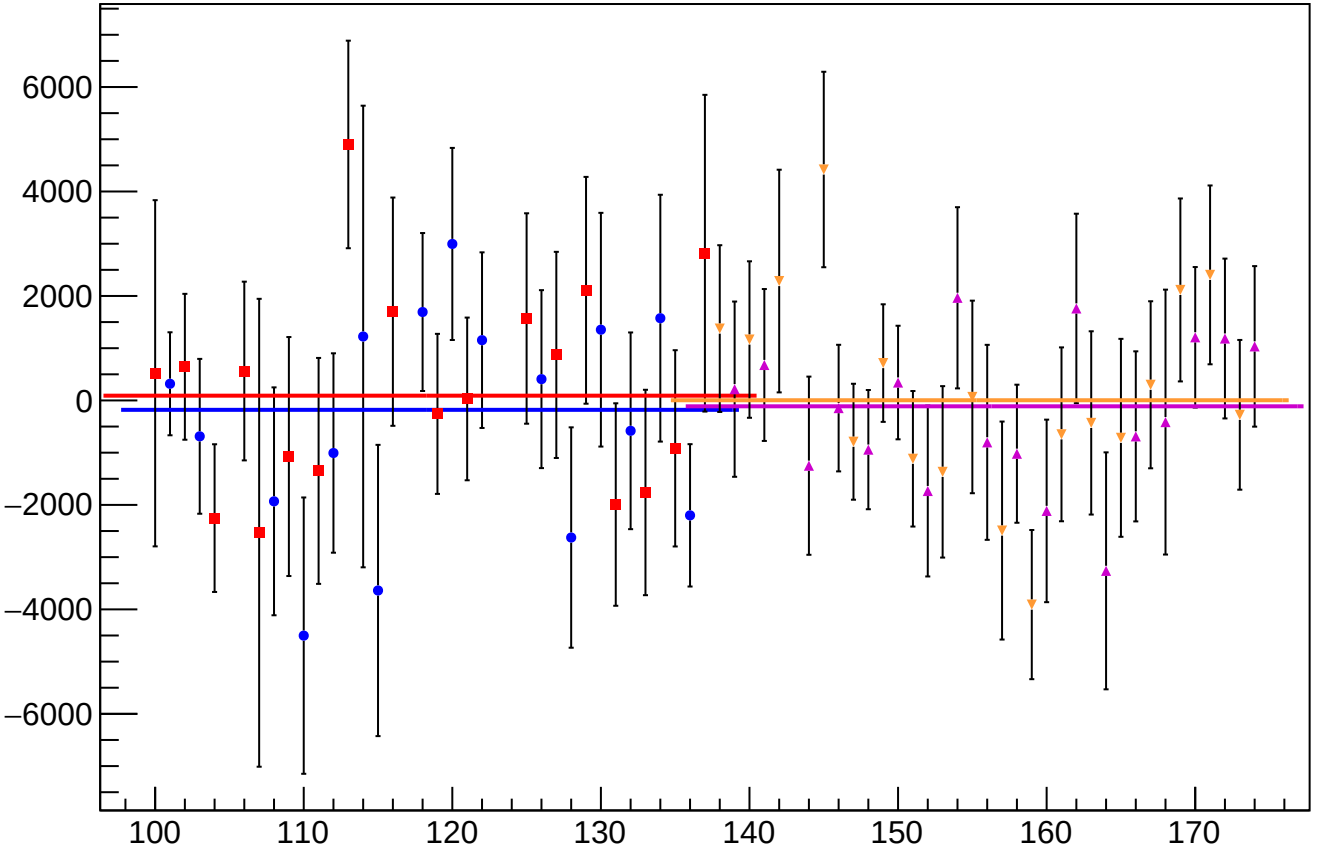
Left In: 780.565+/-0.143 χ^2/NDF:3742.1/17

+ sign 780.523+/-0.119 χ^2/NDF: 15111.0/33

All: 781.523+/-0.084 χ^2/NDF: 26746.5/69

- 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: 3.651+/-366.735 χ^2/NDF:23.2/17

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

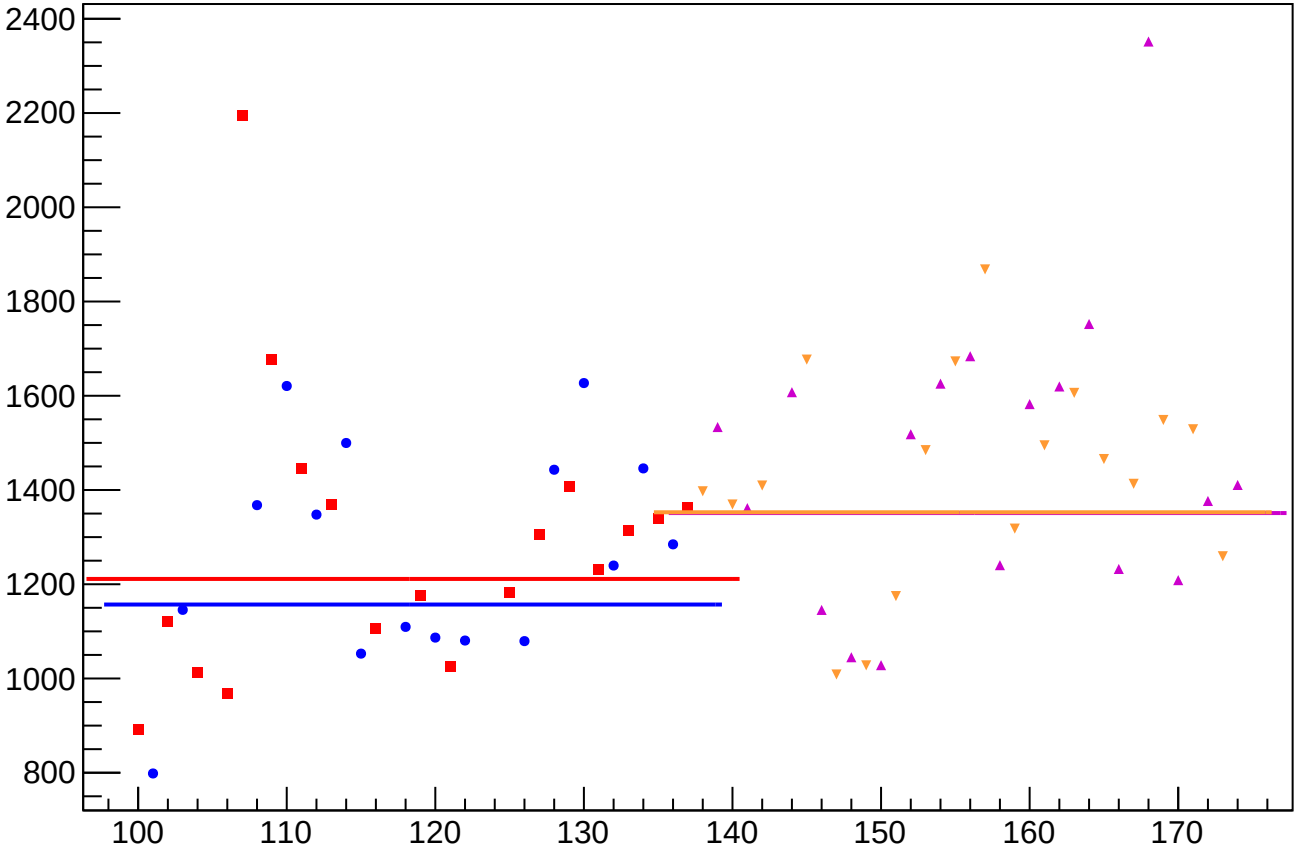
Left In: -112.356+/-358.179 χ^2/NDF:11.2/17

+ sign -71.448+/-281.915 χ^2/NDF: 38.7/33

All: -52.891+/-199.159 χ^2/NDF: 65.2/69

- 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: 1352.750+/-0.259 χ^2/NDF:777236.4/17

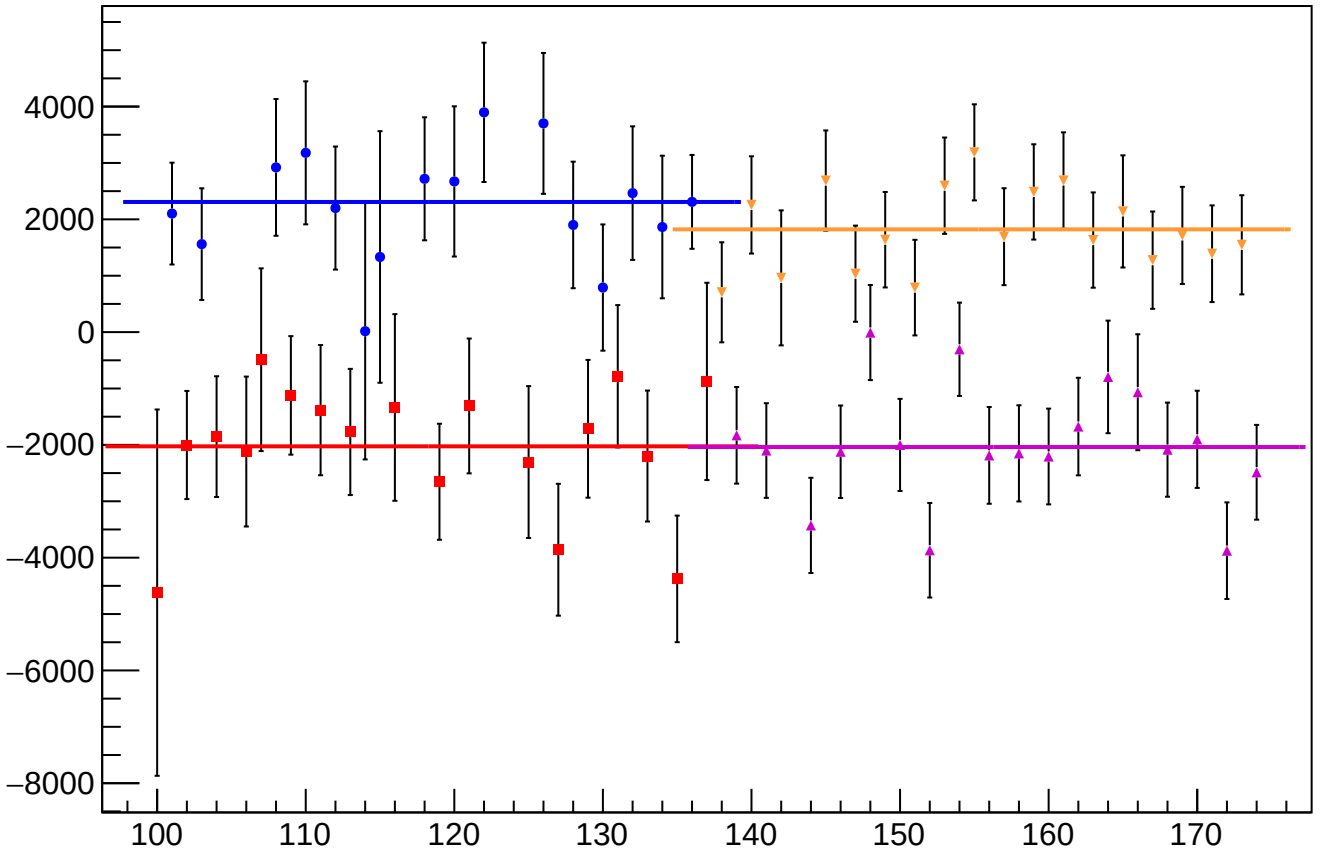
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

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

+ sign 1272.651+/-0.199 χ^2/NDF: 1579575.6/33

All: 1285.126+/-0.141 χ^2/NDF: 3186633.5/69

- 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: 1822.307+/-206.859 χ^2/NDF:11.7/17

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

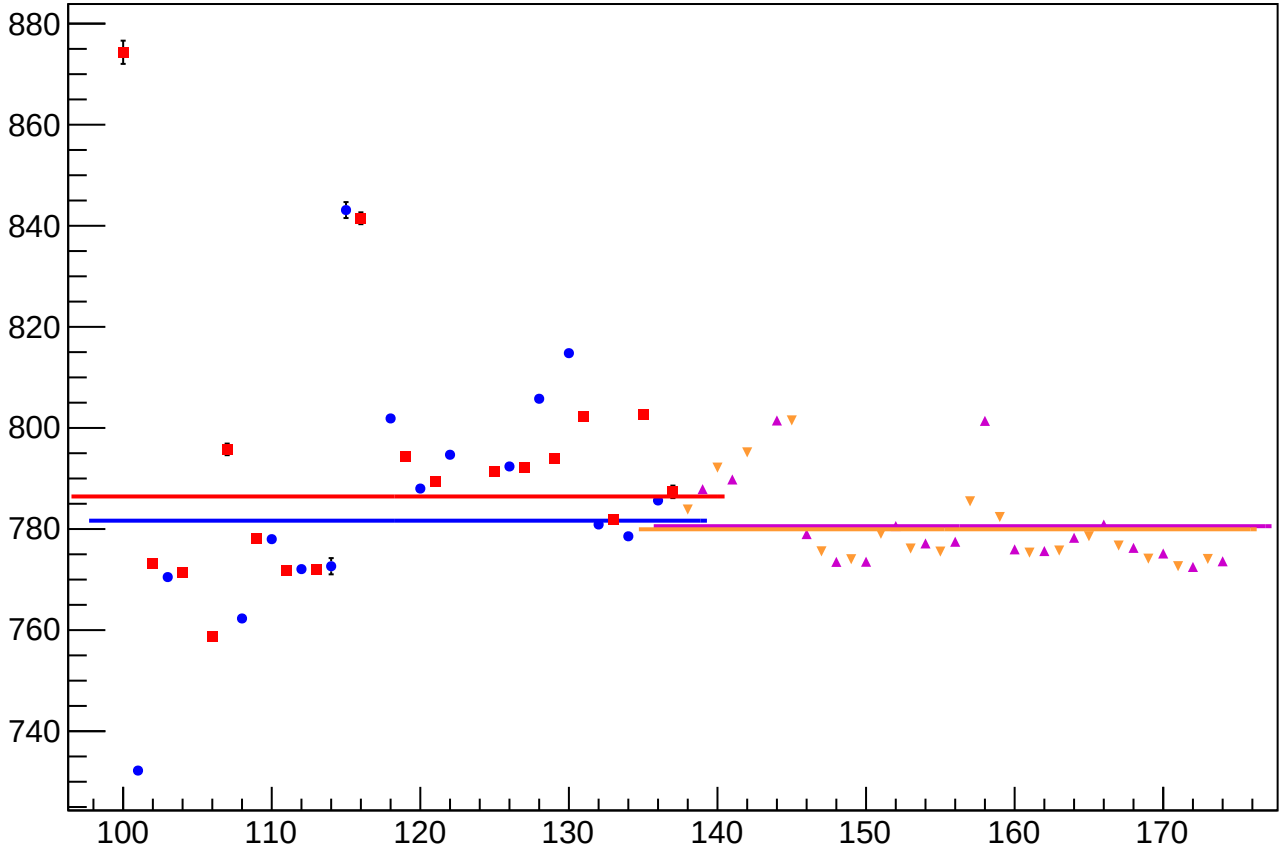
Left In: -2037.956+/-202.350 χ^2/NDF:25.4/17

+ sign 1985.824+/-168.490 χ^2/NDF: 21.3/33

All: -55.085+/-118.217 χ^2/NDF: 347.6/69

- 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: 779.950+/-0.146 χ^2/NDF:2746.3/17

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

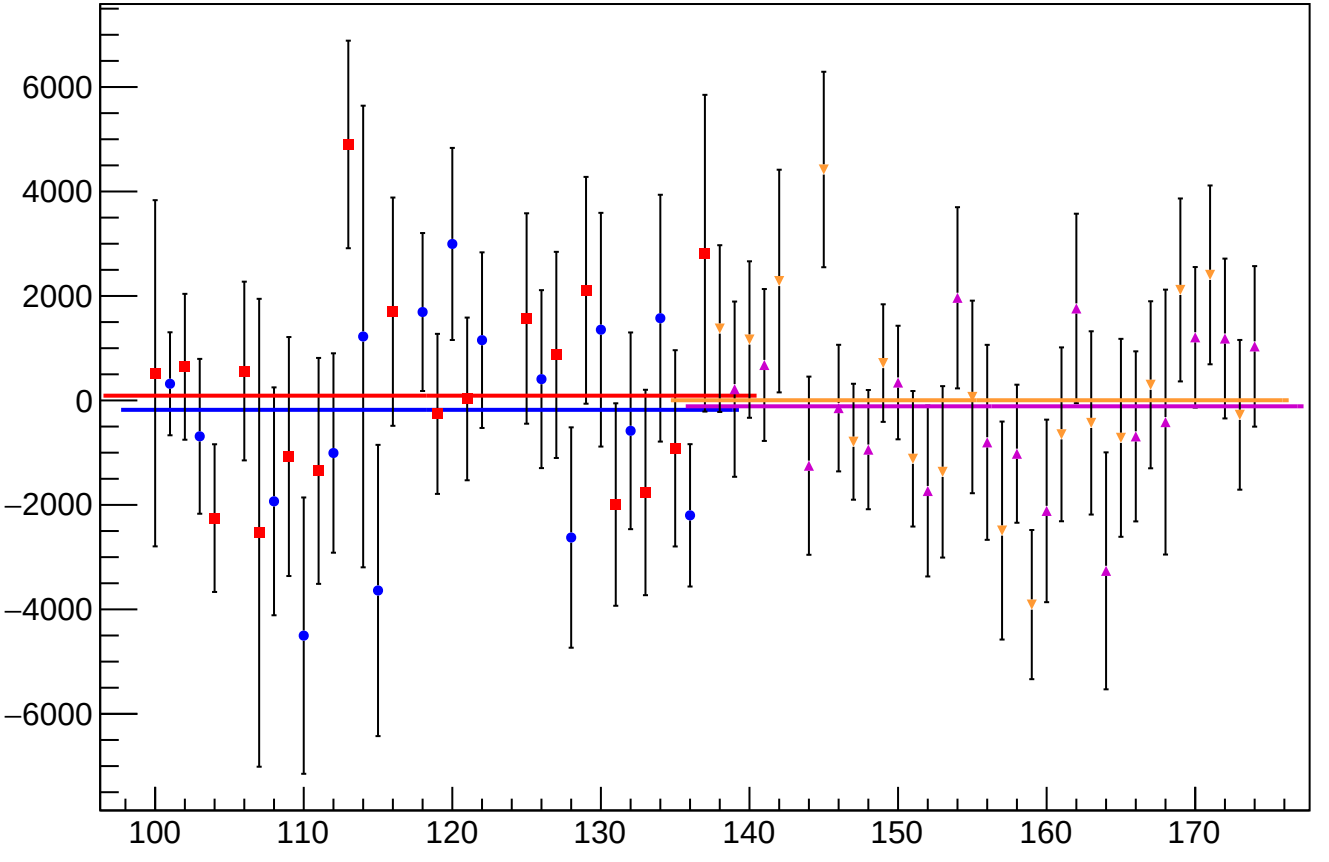
Left In: 780.565+/-0.143 χ^2/NDF:3742.1/17

+ sign 780.523+/-0.119 χ^2/NDF: 15111.0/33

All: 781.523+/-0.084 χ^2/NDF: 26746.5/69

- 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: 3.651+/-366.735 χ^2/NDF:23.2/17

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

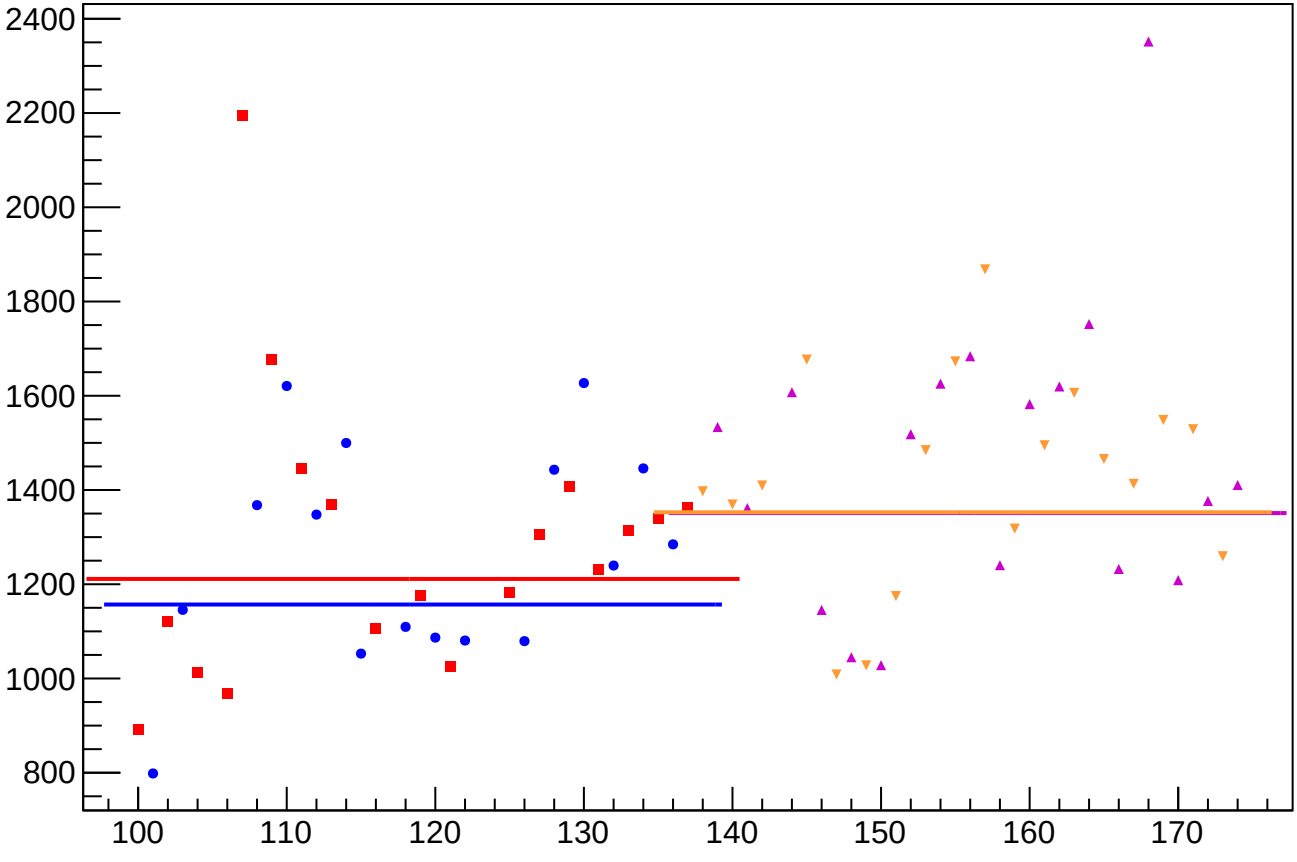
Left In: -112.356+/-358.179 χ^2/NDF:11.2/17

+ sign -71.448+/-281.915 χ^2/NDF: 38.7/33

All: -52.891+/-199.159 χ^2/NDF: 65.2/69

- 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: 1352.750+/-0.259 χ^2/NDF:777236.4/17

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

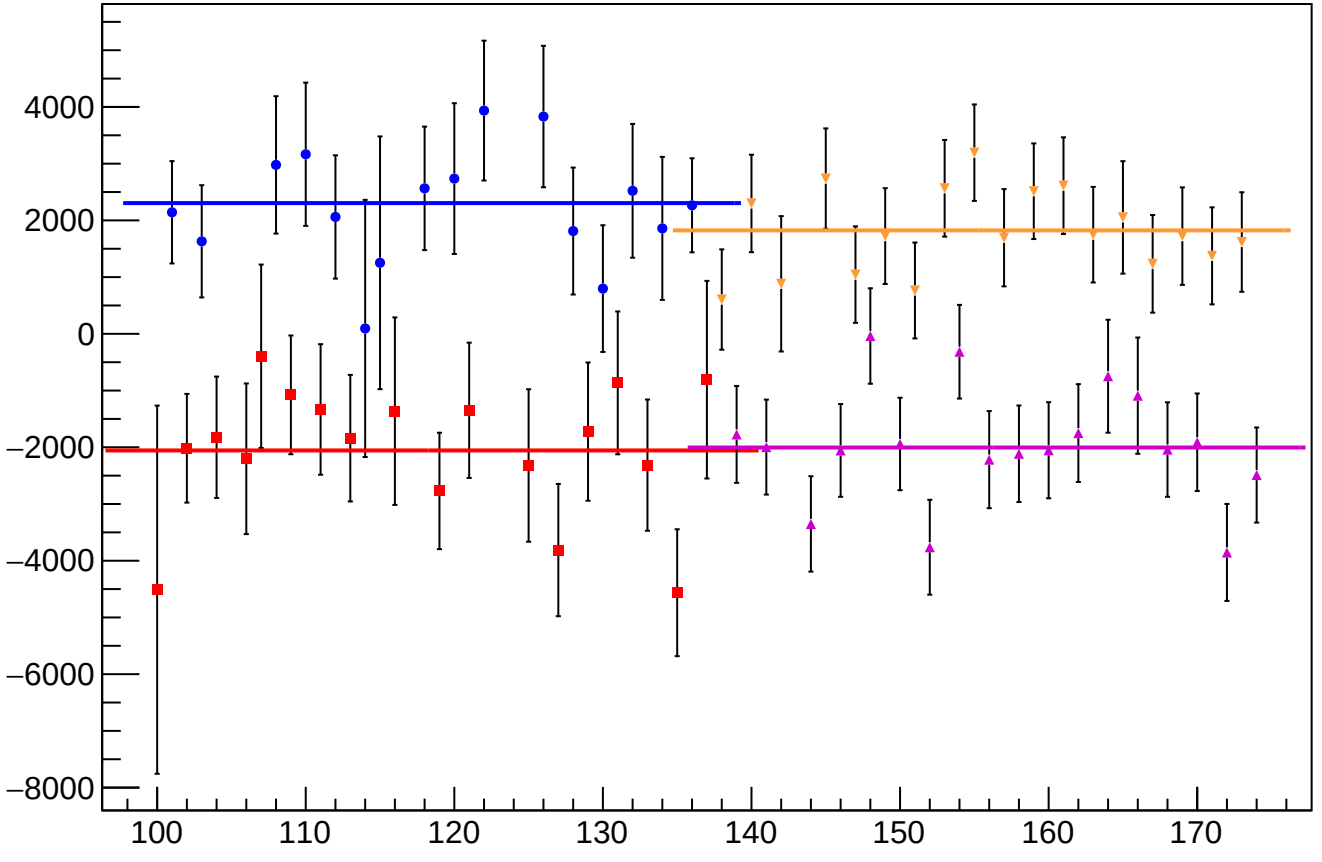
Left In: 1351.072+/-0.253 χ^2/NDF:1084881.7/17

+ sign 1272.651+/-0.199 χ^2/NDF: 1579575.6/33

All: 1285.126+/-0.141 χ^2/NDF: 3186633.5/69

- 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: 1823.743+/-206.322 χ^2/NDF:12.1/17

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

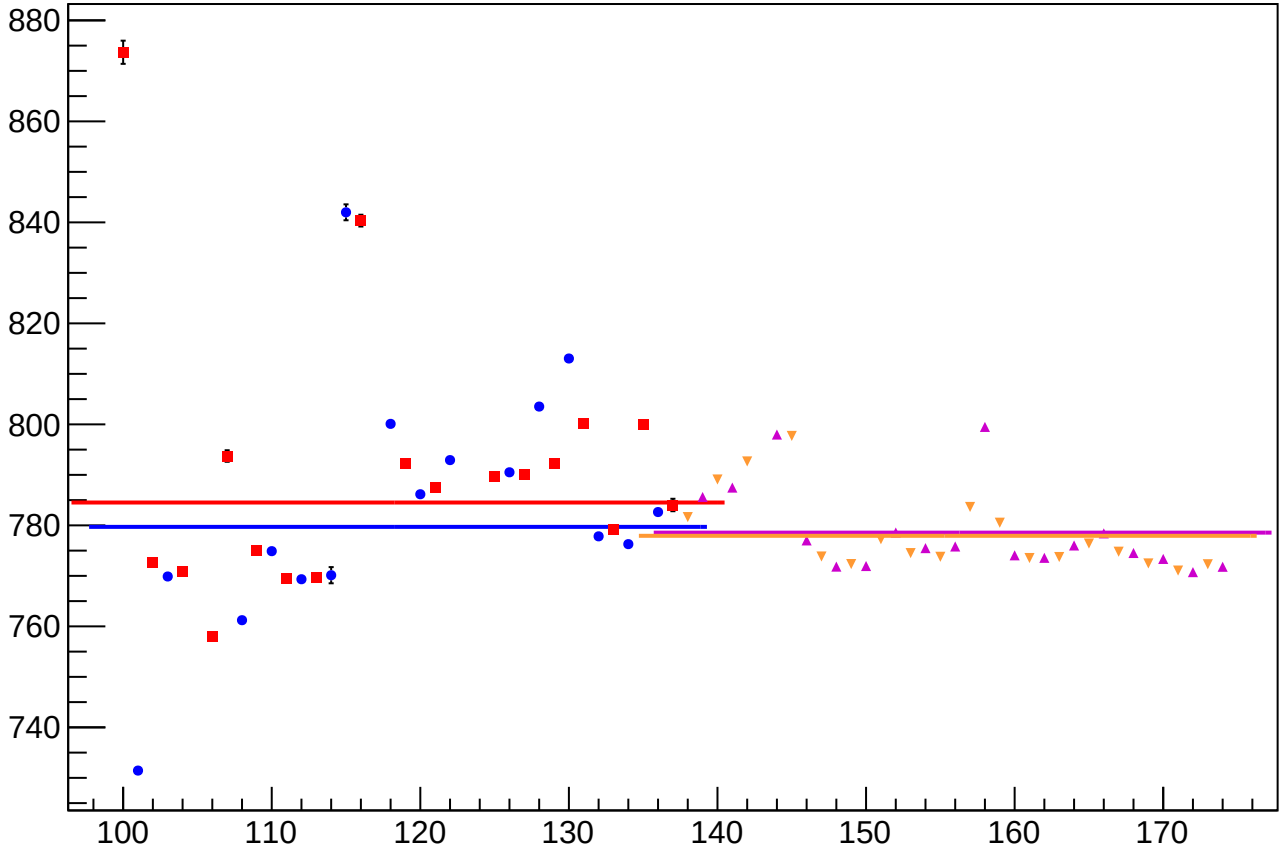
Left In: -2004.279+/-201.830 χ^2/NDF:24.3/17

+ sign 1985.645+/-168.058 χ^2/NDF: 22.0/33

All: -48.601+/-117.916 χ^2/NDF: 347.8/69

- 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: 777.934+/-0.146 χ^2/NDF:2426.3/17

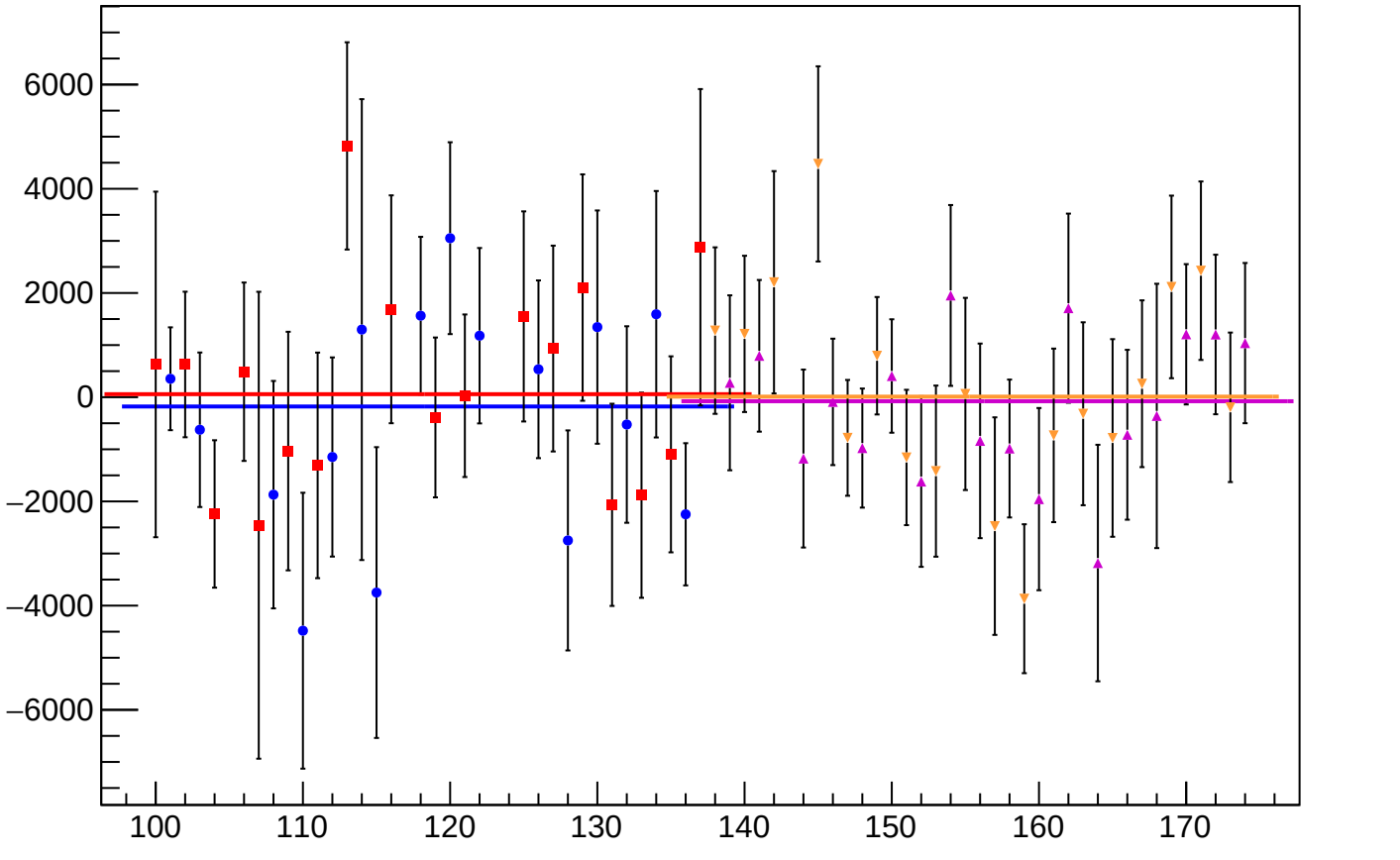
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

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

+ sign 778.529+/-0.119 χ^2/NDF: 14536.0/33

All: 779.537+/-0.083 χ^2/NDF: 25919.4/69

- 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: 10.720+/-367.073 χ^2/NDF:23.2/17

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

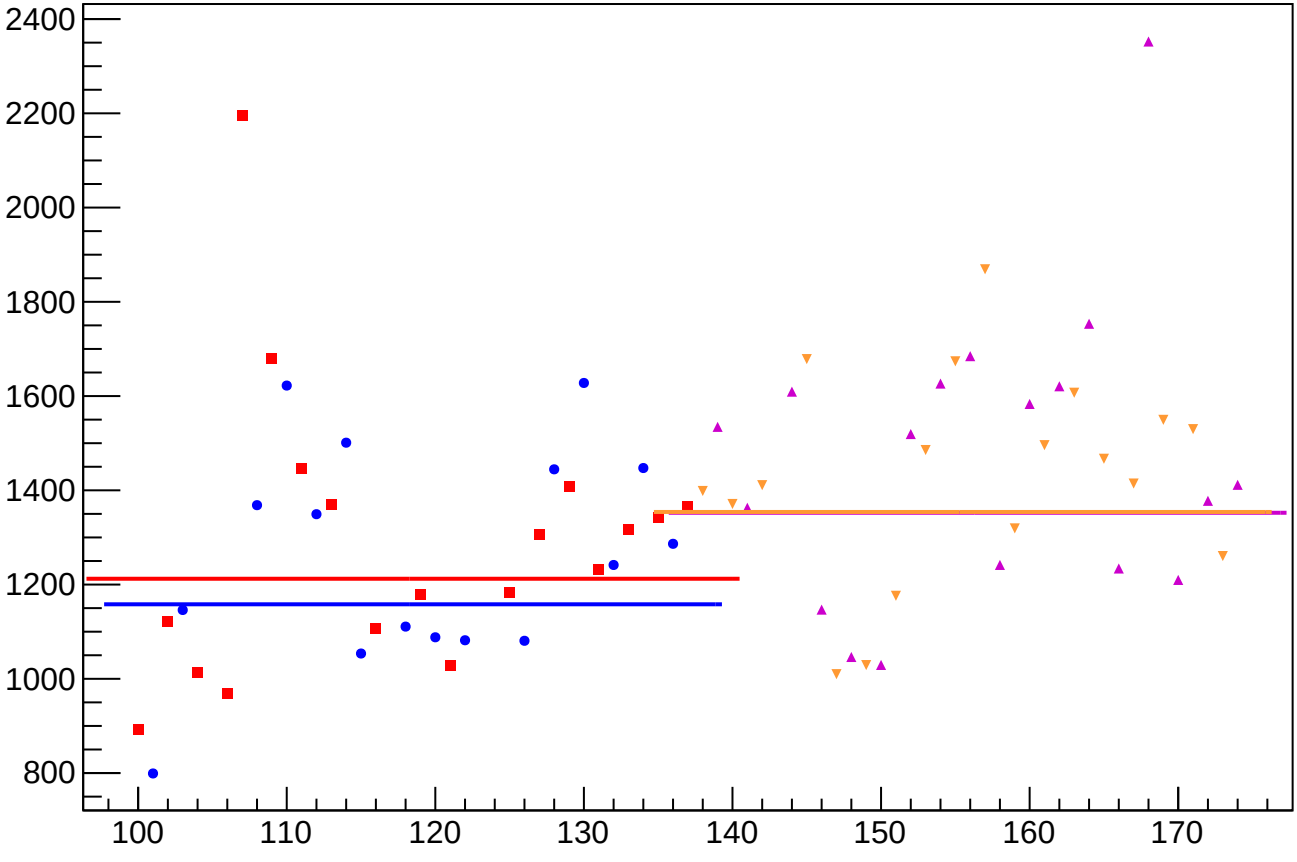
Left In: -77.489+/-358.503 χ^2/NDF:10.8/17

+ sign -66.660+/-282.185 χ^2/NDF: 39.1/33

All: -46.095+/-199.344 χ^2/NDF: 65.2/69

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

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1354.072+/-0.260 χ^2/NDF:775104.3/17

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

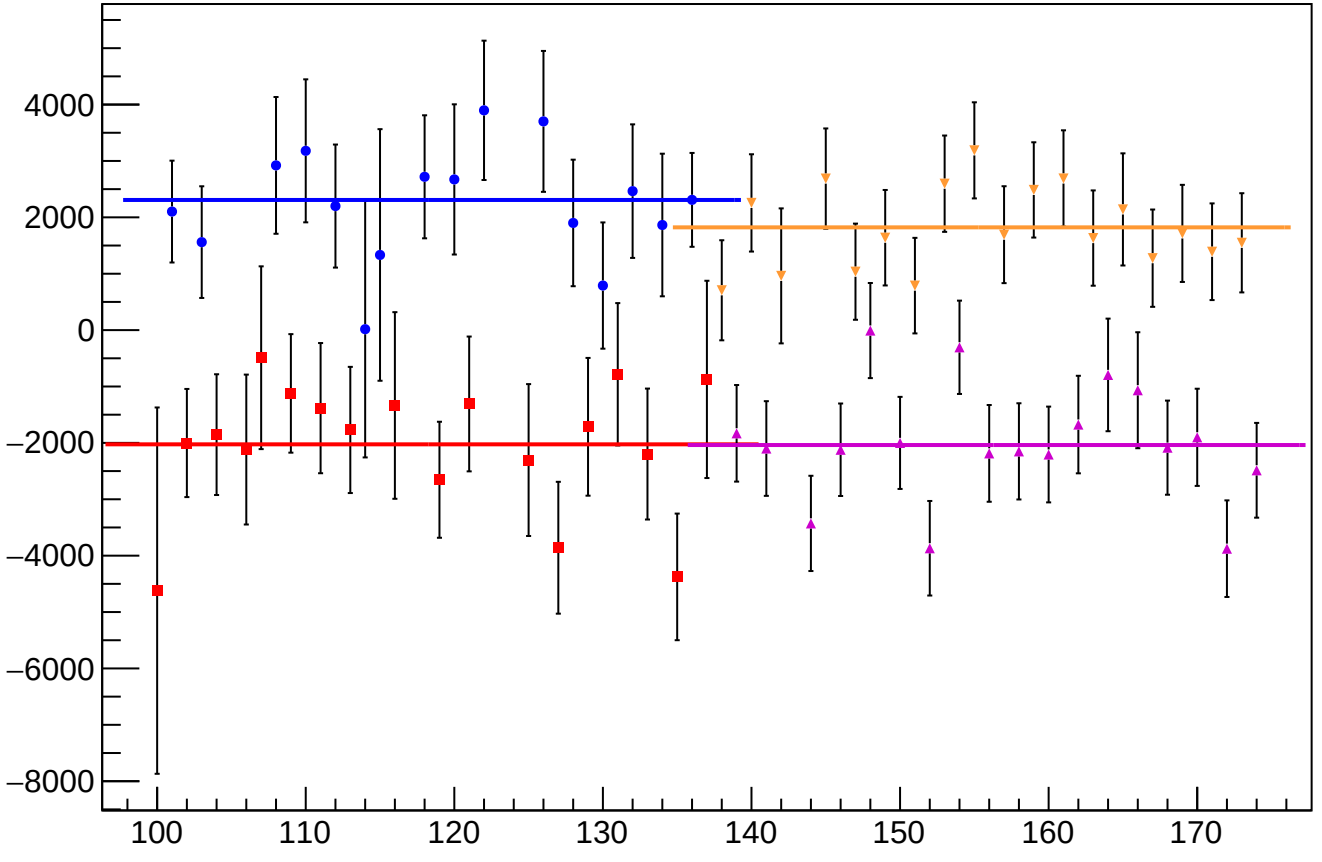
Left In: 1352.363+/-0.253 χ^2/NDF:1082427.8/17

+ sign 1273.926+/-0.200 χ^2/NDF: 1577340.2/33

All: 1286.369+/-0.141 χ^2/NDF: 3182251.4/69

- sign 1298.765+/-0.199 χ^2/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: 1822.307+/-206.859 χ^2/NDF:11.7/17

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

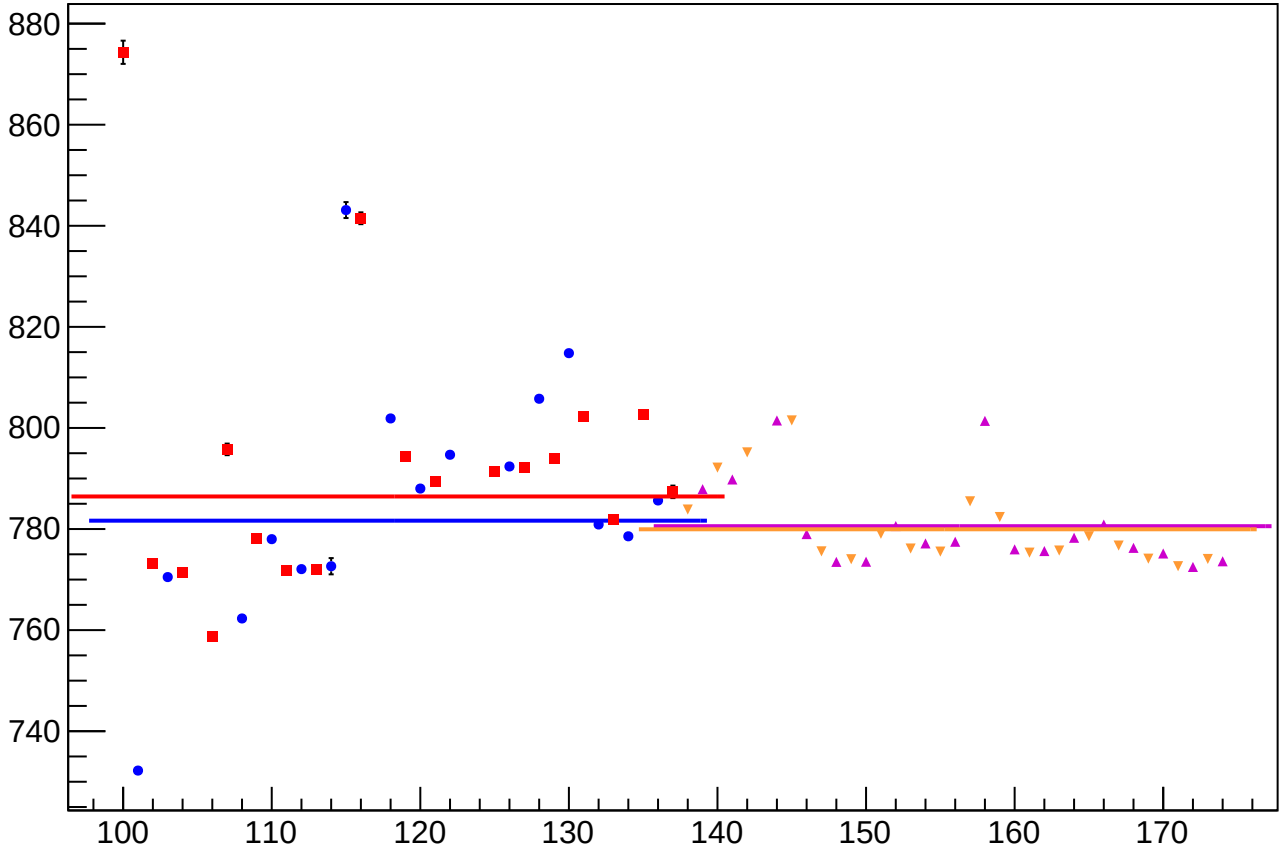
Left In: -2037.956+/-202.350 χ^2/NDF:25.4/17

+ sign 1985.824+/-168.490 χ^2/NDF: 21.3/33

All: -55.085+/-118.217 χ^2/NDF: 347.6/69

- 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: 779.950+/-0.146 χ^2/NDF:2746.3/17

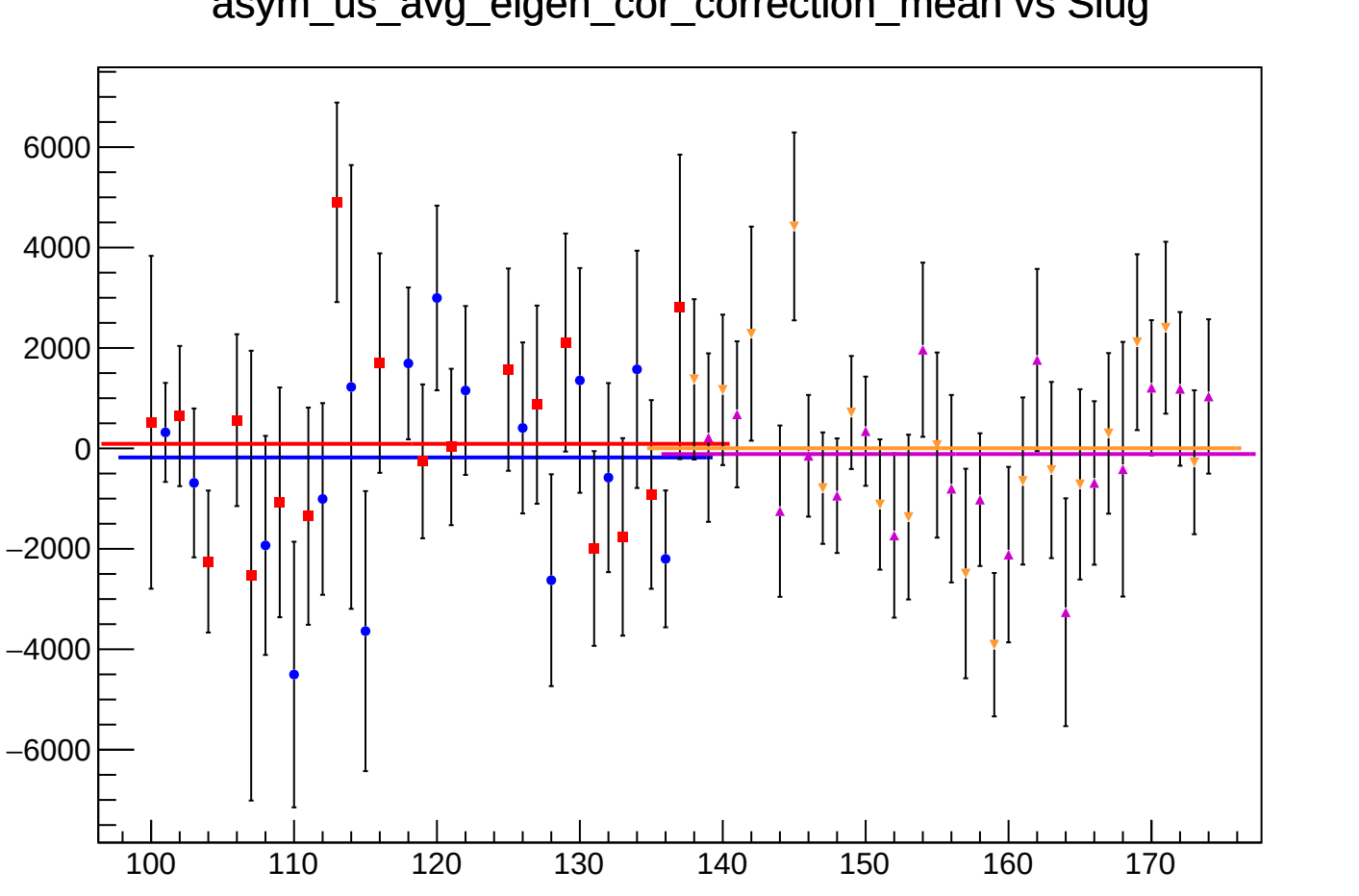
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

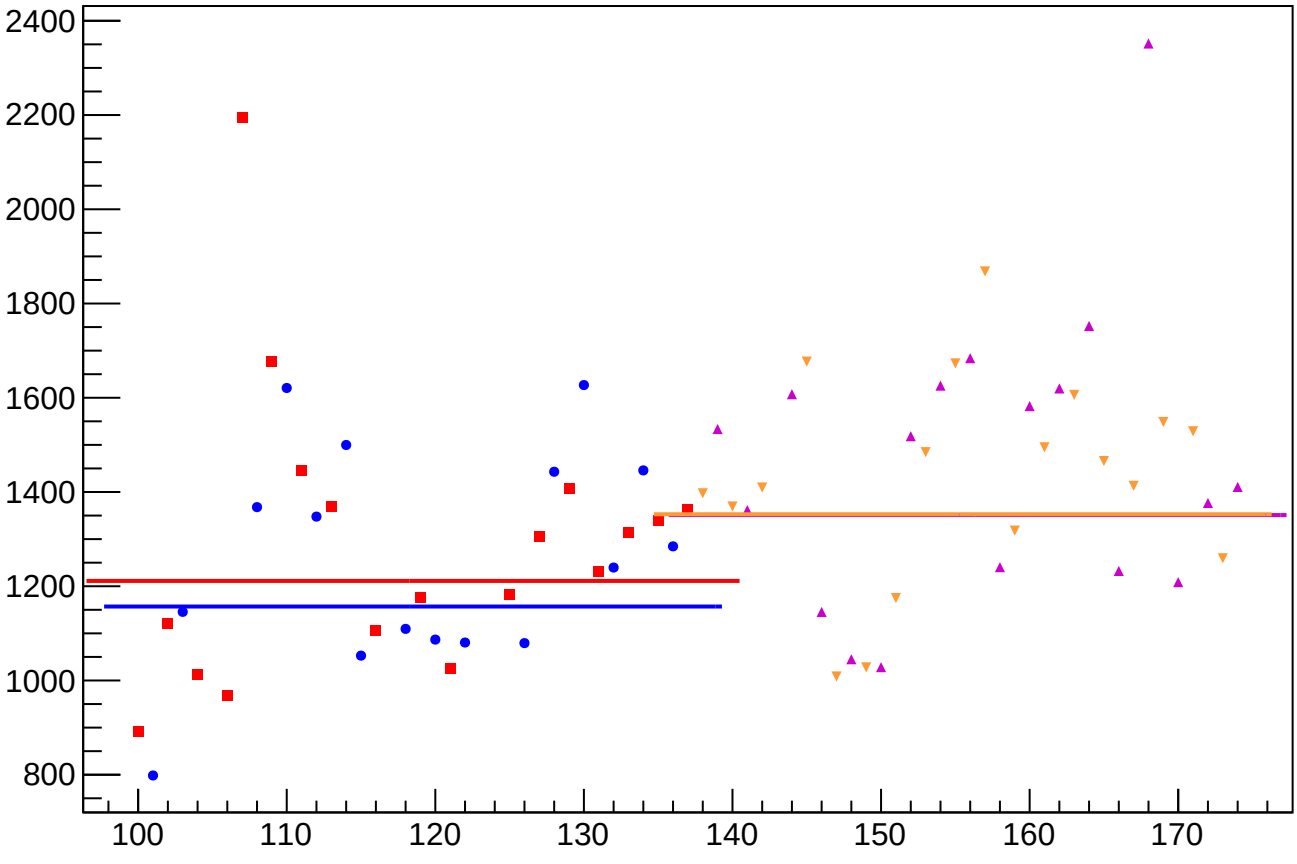
Left In: 780.565+/-0.143 χ^2/NDF:3742.1/17

+ sign 780.523+/-0.119 χ^2/NDF: 15111.0/33

All: 781.523+/-0.084 χ^2/NDF: 26746.5/69

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


asym_us_avg_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: 3.651+/-366.735 χ²/NDF:23.2/17
Right Out: 91.288+/-454.811 χ²/NDF: 15.2/17
Left In: -112.356+/-358.179 χ²/NDF:11.2/17
+ sign -71.448+/-281.915 χ²/NDF: 38.7/33
All: -52.891+/-199.159 χ²/NDF: 65.2/69
- sign -34.402+/-281.393 χ²/NDF: 26.5/35



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

Left Out: 1352.750+/-0.259 χ^2/NDF:777236.4/17

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

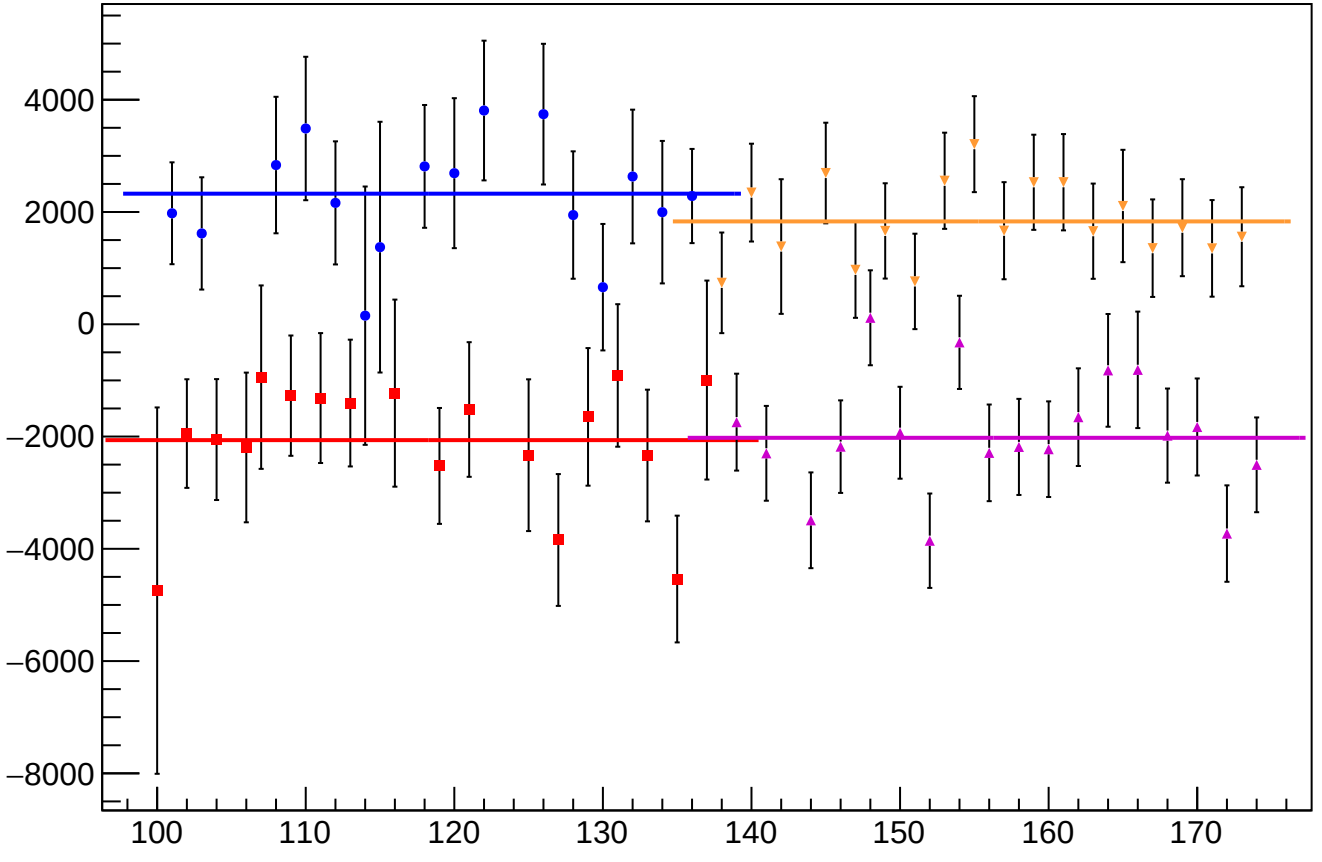
Left In: 1351.072+/-0.253 χ^2/NDF:1084881.7/17

+ sign 1272.651+/-0.199 χ^2/NDF: 1579575.6/33

All: 1285.126+/-0.141 χ^2/NDF: 3186633.5/69

- 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: 1832.349+/-207.843 χ^2/NDF:11.1/17

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

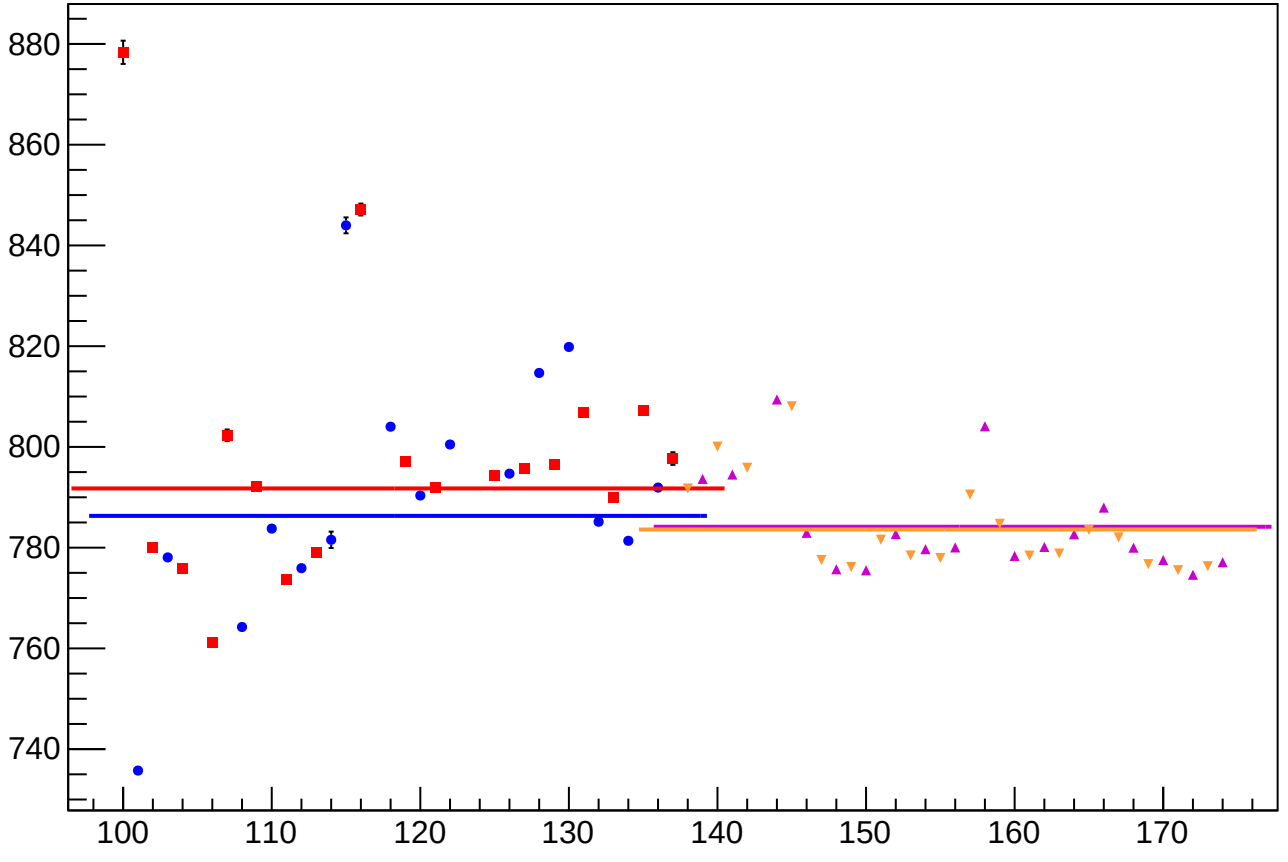
Left In: -2022.647+/-203.288 χ^2/NDF:26.1/17

+ sign 1998.363+/-169.362 χ^2/NDF: 21.1/33

All: -49.661+/-118.841 χ^2/NDF: 346.9/69

- 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: 783.607+/-0.147 χ^2/NDF:3716.2/17

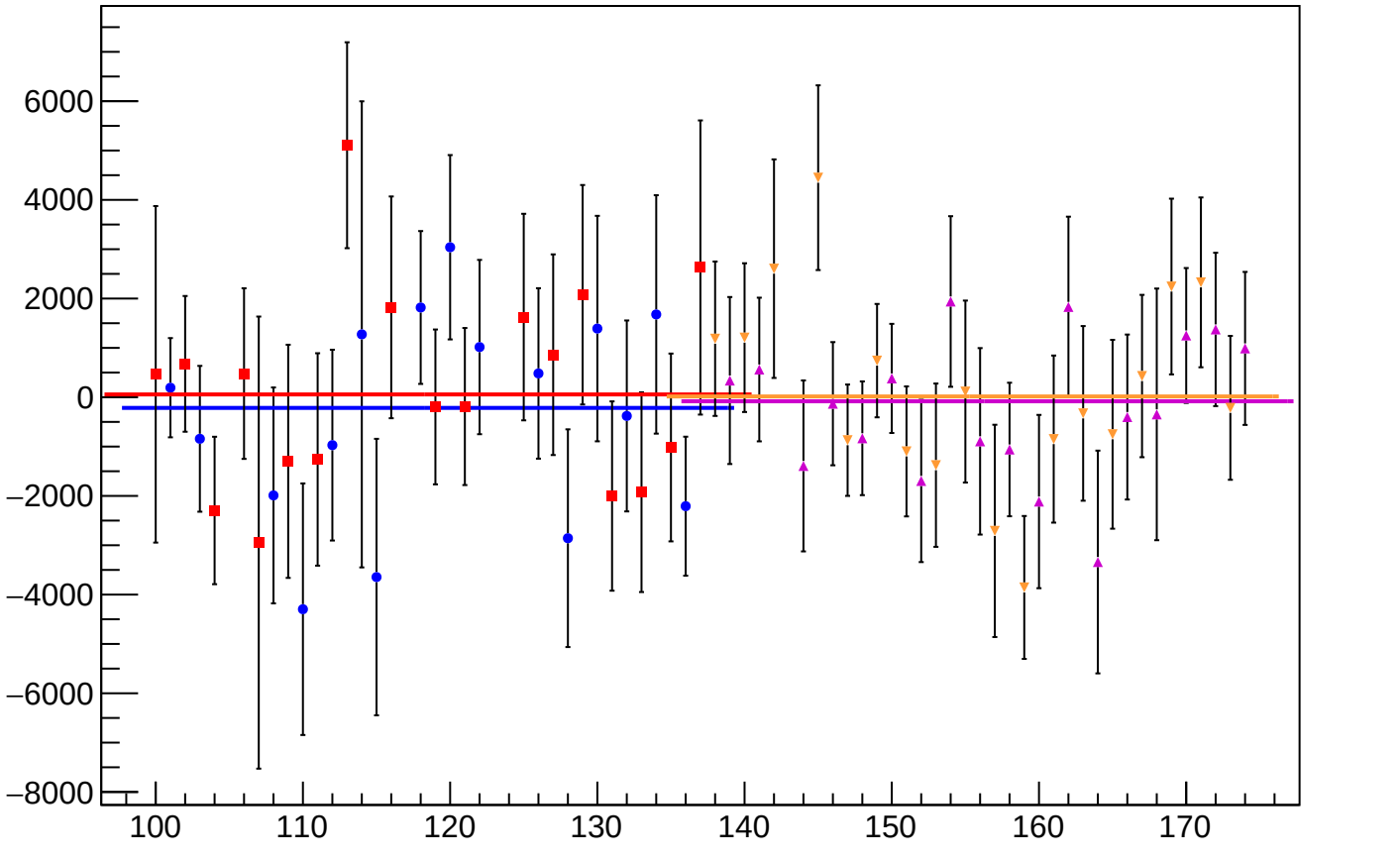
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

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

+ sign 784.515+/-0.120 χ^2/NDF: 16400.9/33

All: 785.591+/-0.084 χ^2/NDF: 29127.9/69

- 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: 15.807+/-371.565 χ^2/NDF:23.3/17

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

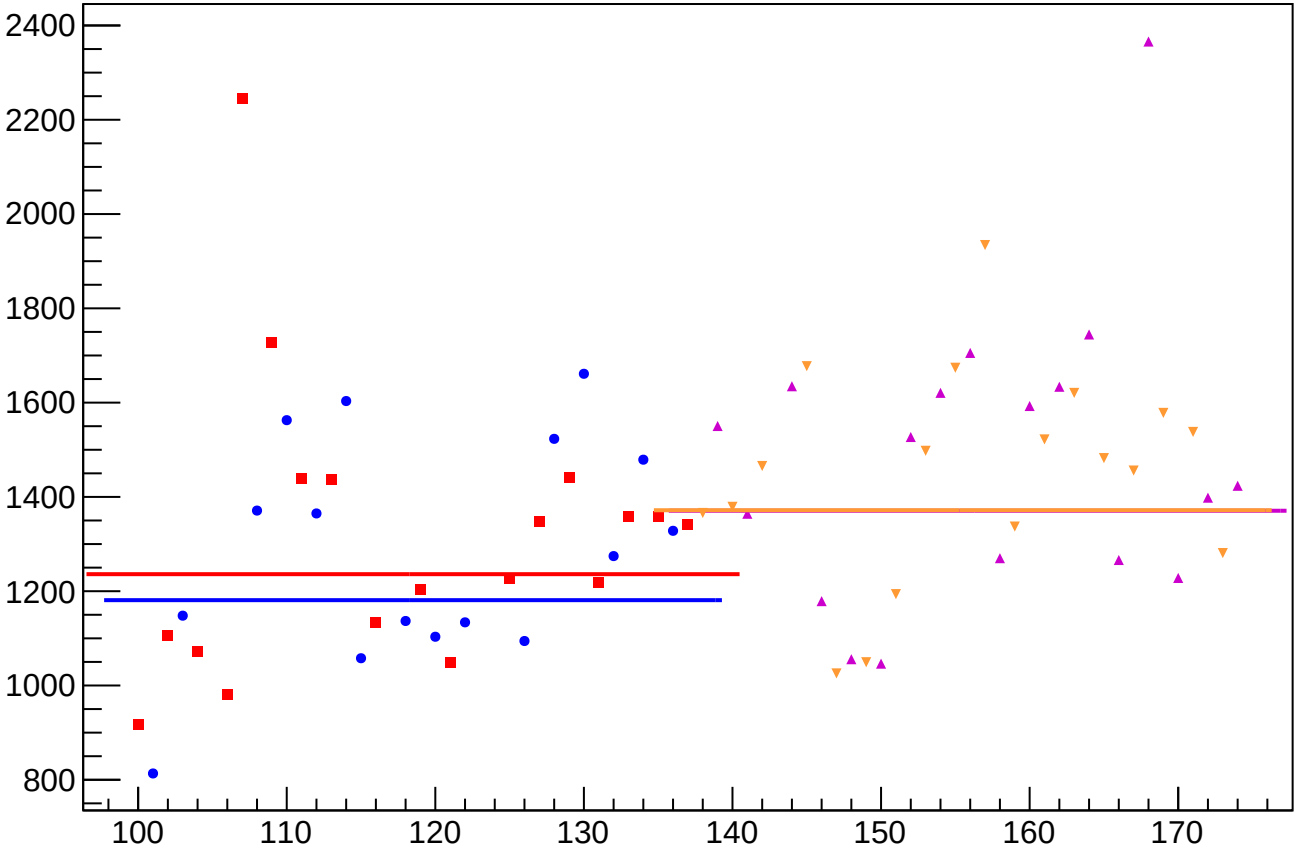
Left In: -82.325+/-362.889 χ^2/NDF:11.3/17

\+ sign -78.355+/-286.397 χ^2/NDF: 38.7/33

All: -53.894+/-202.318 χ^2/NDF: 65.2/69

\- 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: 1371.750+/-0.263 χ^2/NDF:762808.2/17

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

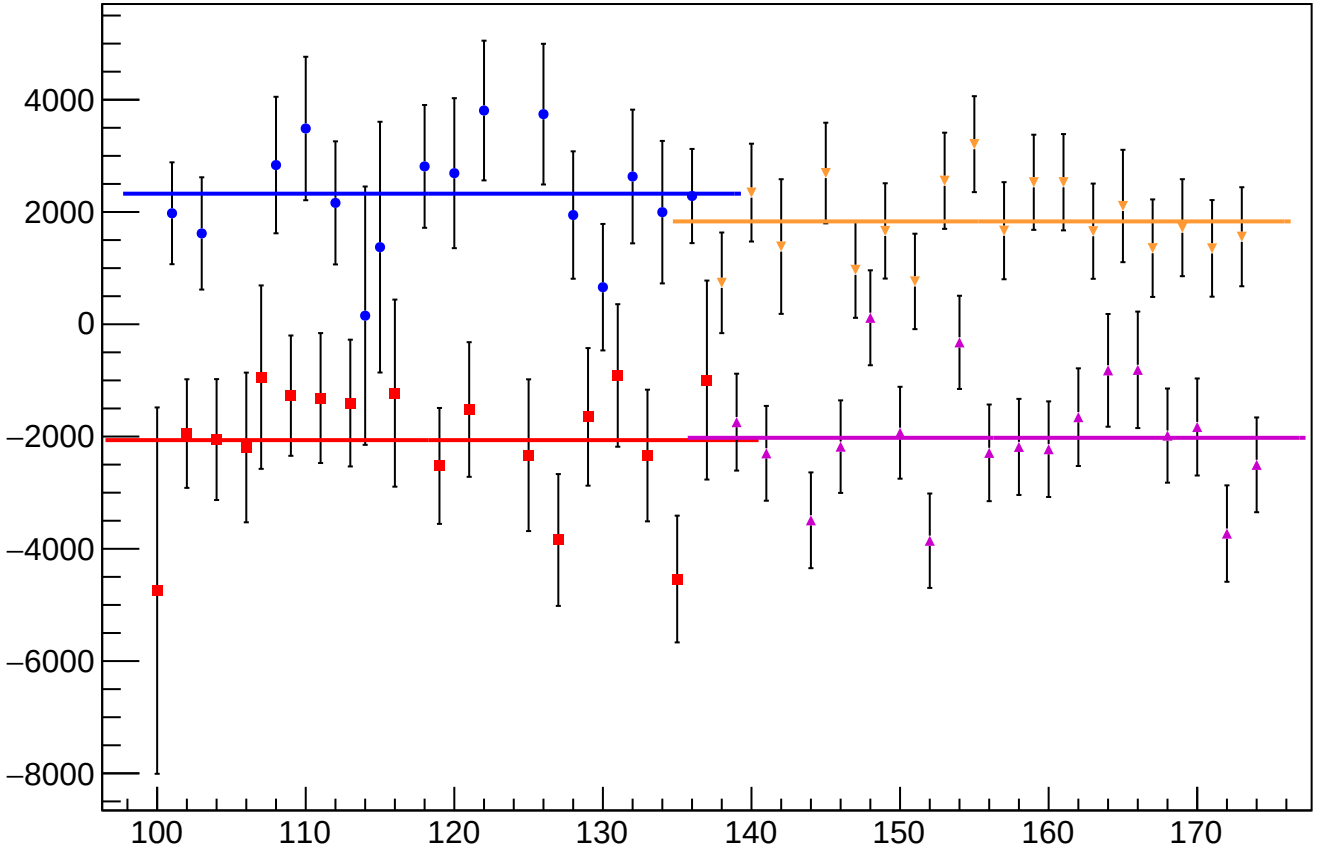
Left In: 1370.659+/-0.257 χ^2/NDF:1036752.9/17

+ sign 1294.326+/-0.203 χ^2/NDF: 1547862.0/33

All: 1306.988+/-0.143 χ^2/NDF: 3093975.5/69

- 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: 1832.347+/-207.843 χ^2/NDF:11.1/17

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

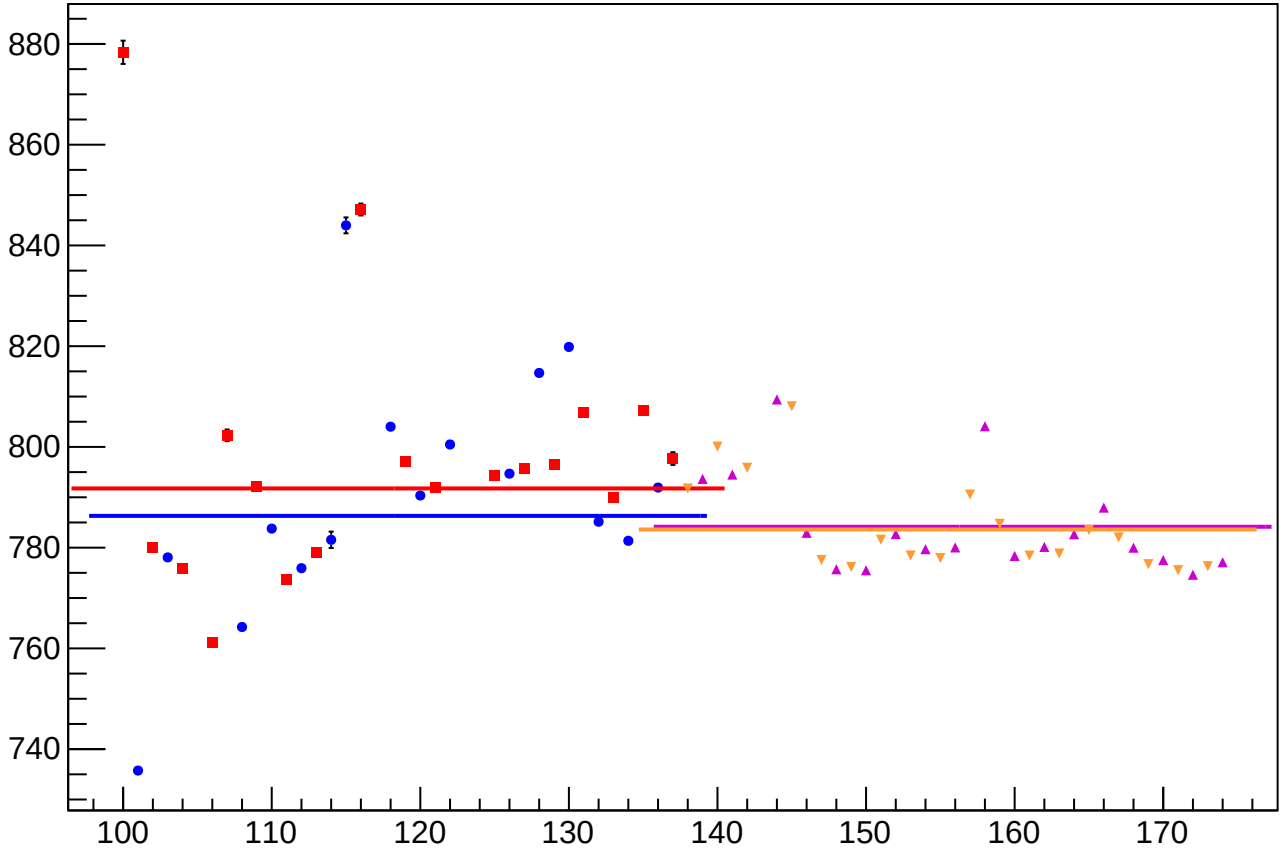
Left In: -2022.648+/-203.288 χ^2/NDF:26.1/17

+ sign 1998.361+/-169.362 χ^2/NDF: 21.1/33

All: -49.662+/-118.841 χ^2/NDF: 346.9/69

- 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: 783.607+/-0.147 χ^2/NDF:3716.1/17

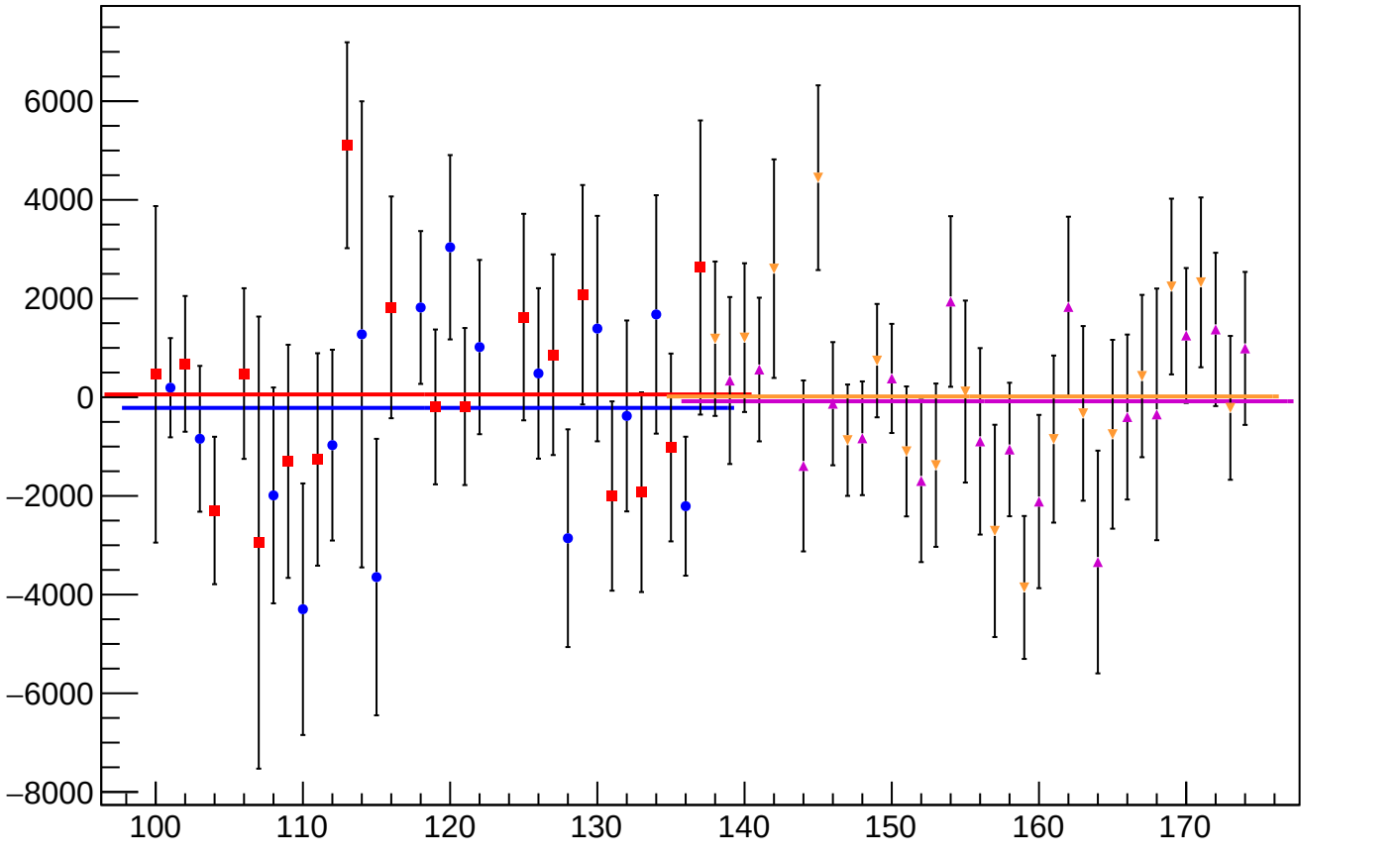
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

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

+ sign 784.515+/-0.120 χ^2/NDF: 16400.8/33

All: 785.591+/-0.084 χ^2/NDF: 29127.8/69

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



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

Left Out: 15.804+/-371.566 χ^2/NDF:23.3/17

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

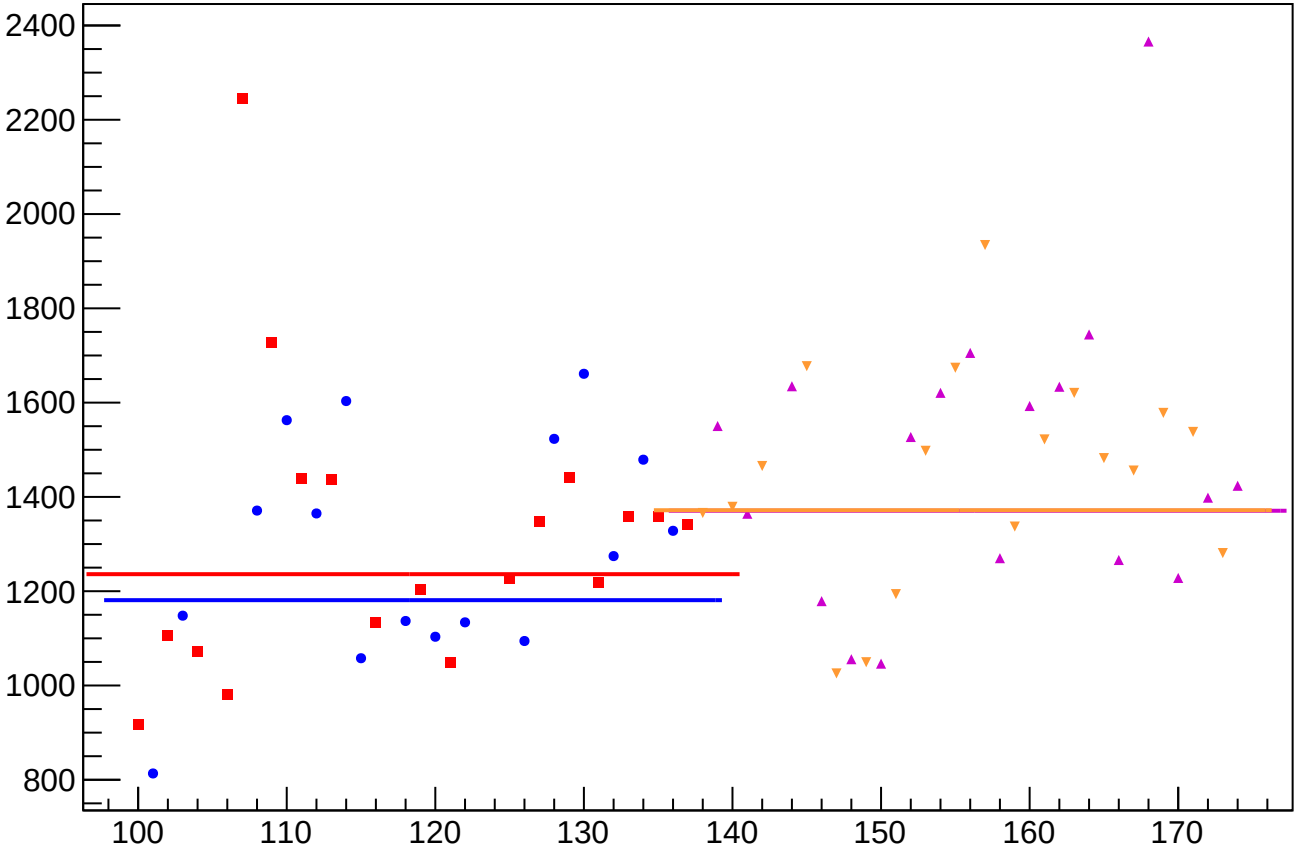
Left In: -82.325+/-362.890 χ^2/NDF:11.3/17

+ sign -78.357+/-286.397 χ^2/NDF: 38.7/33

All: -53.895+/-202.318 χ^2/NDF: 65.2/69

- 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: 1371.752+/-0.263 χ^2/NDF:762810.0/17

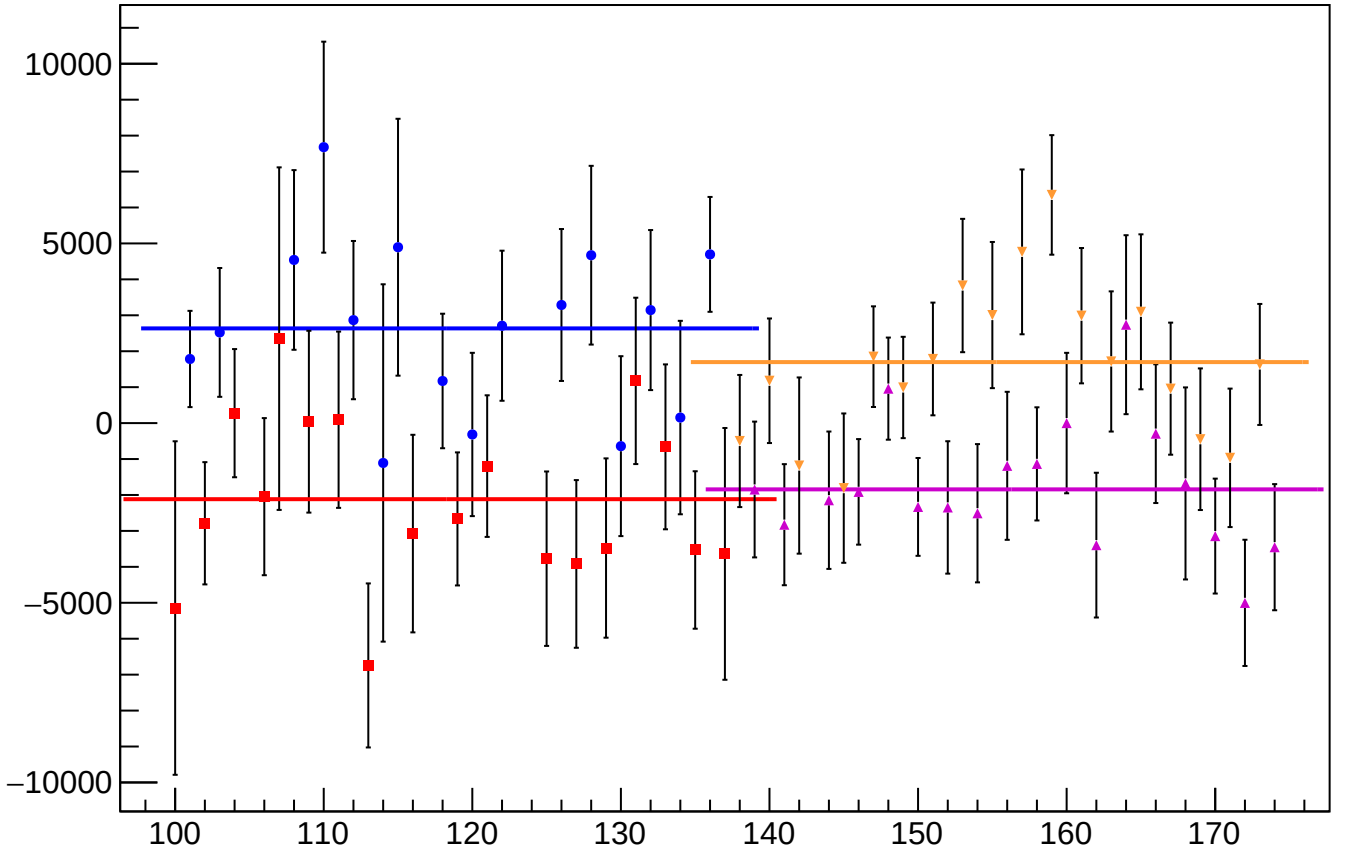
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

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

+ sign 1294.326+/-0.203 χ^2/NDF: 1547874.5/33

All: 1306.988+/-0.143 χ^2/NDF: 3093997.0/69

- 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: 1697.714+/-427.750 χ^2/NDF:21.5/17

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

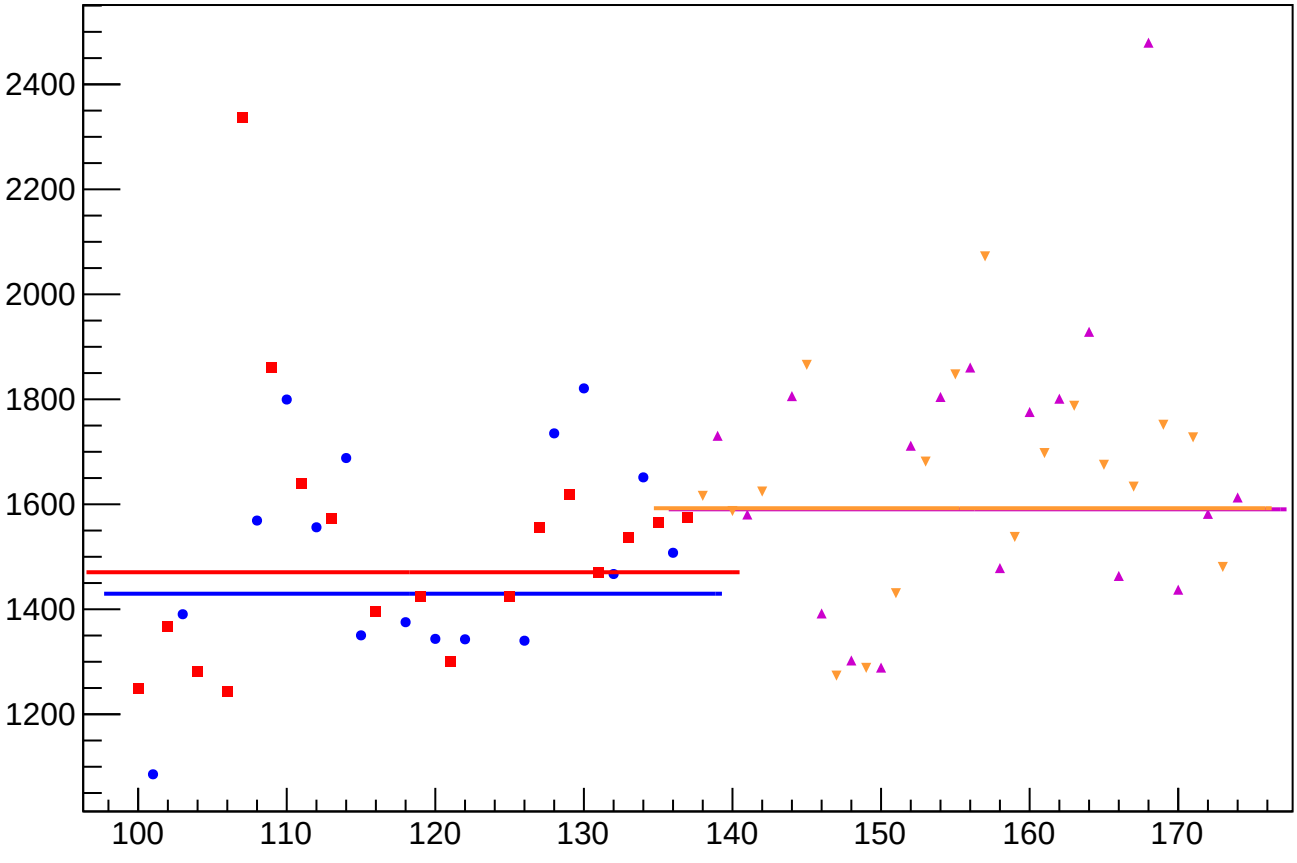
Left In: -1844.209+/-417.885 χ^2/NDF:15.1/17

+ sign 2060.858+/-334.828 χ^2/NDF: 35.6/33

All: 42.173+/-235.817 χ^2/NDF: 136.8/69

- 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: 1592.495+/-0.302 χ^2/NDF:440883.3/17

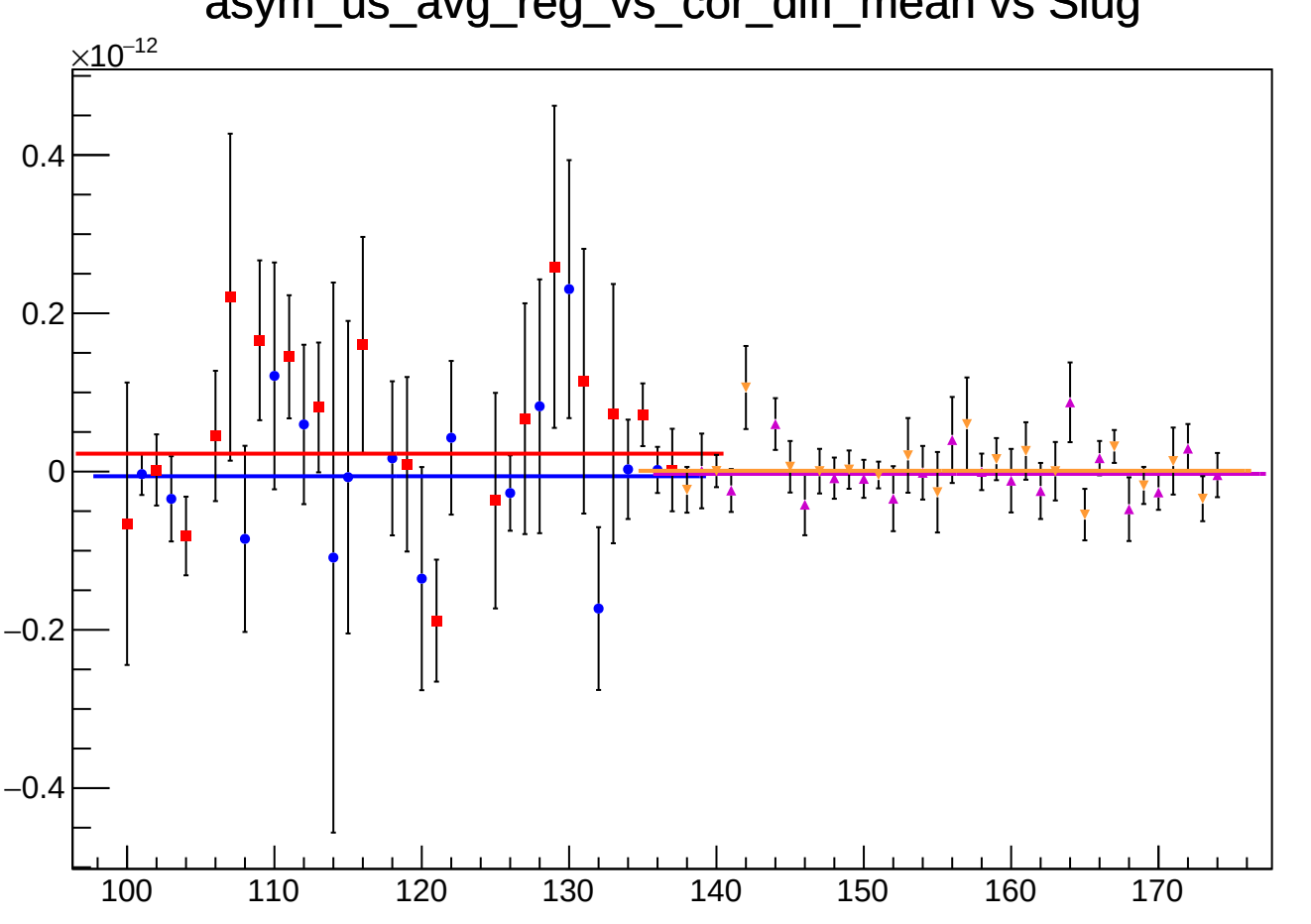
Right Out: 1470.565+/-0.387 χ^2/NDF: 218067.5/17

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

+ sign 1529.430+/-0.237 χ^2/NDF: 846525.9/33

All: 1537.932+/-0.167 χ^2/NDF: 1784336.7/69

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



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

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/17

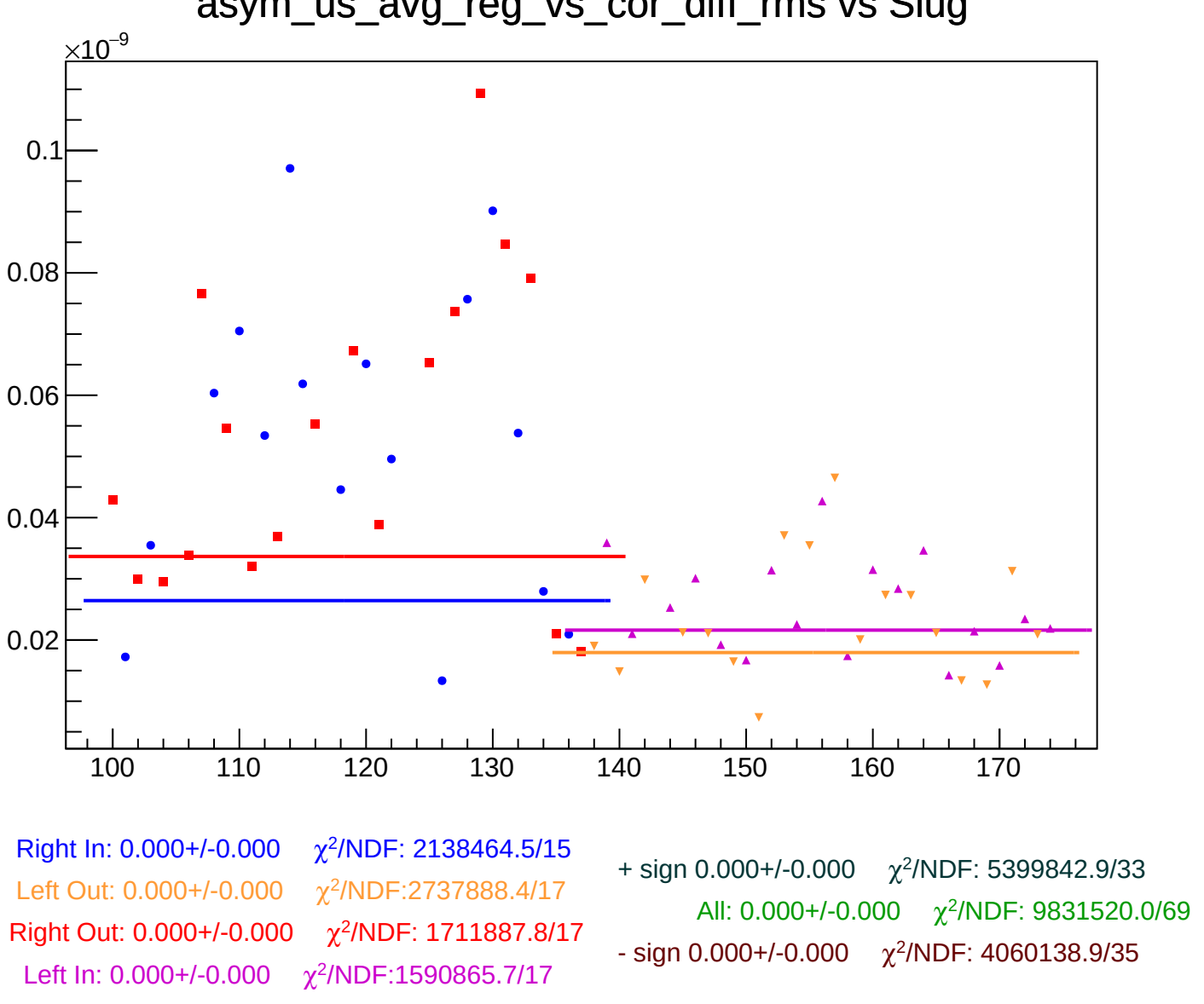
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

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

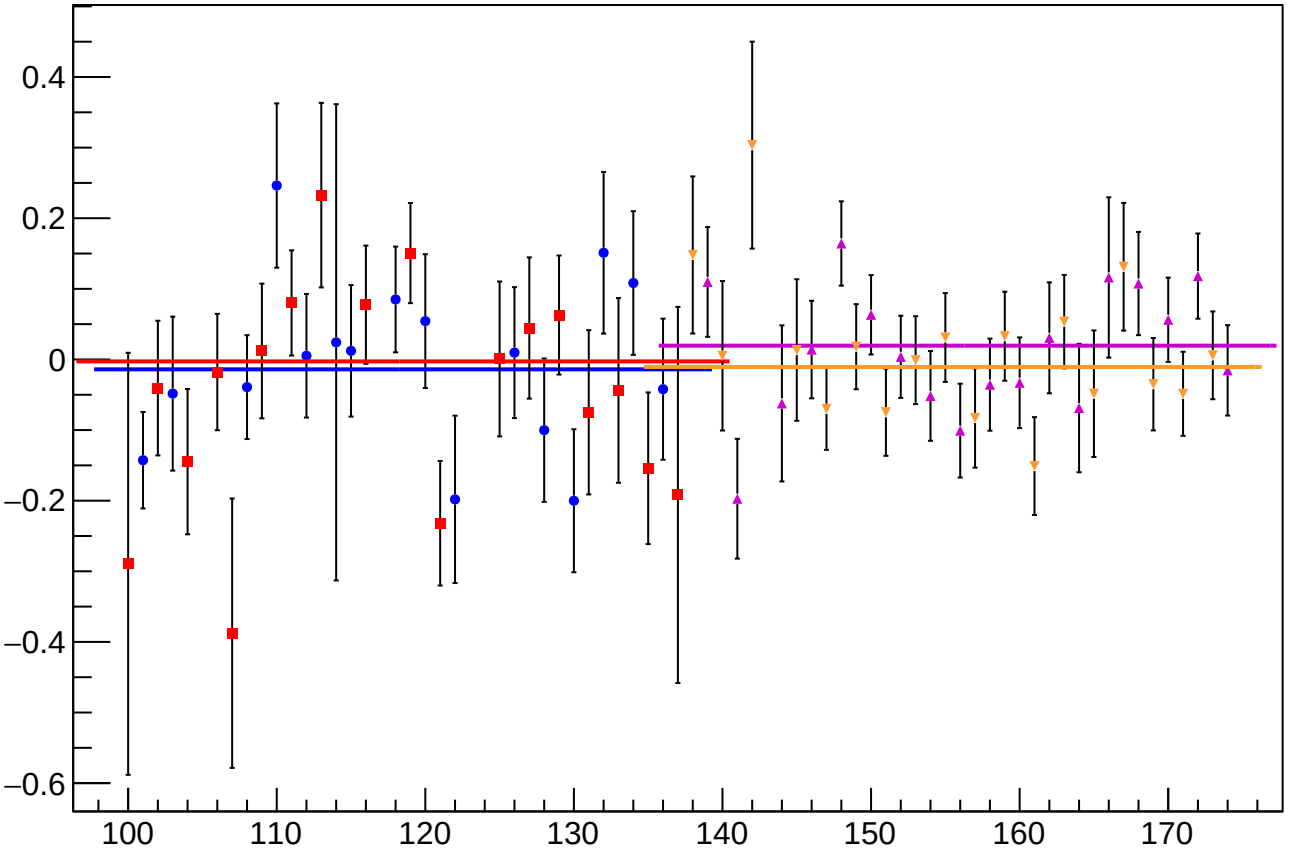
+ sign -0.000+/-0.000 χ^2/NDF: 23.1/33

All: 0.000+/-0.000 χ^2/NDF: 62.4/69

- 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:2737888.4/17
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: 5399842.9/33
All: 0.000+/-0.000 χ²/NDF: 9831520.0/69
- 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: -0.011+/-0.017 χ^2/NDF:19.4/17

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

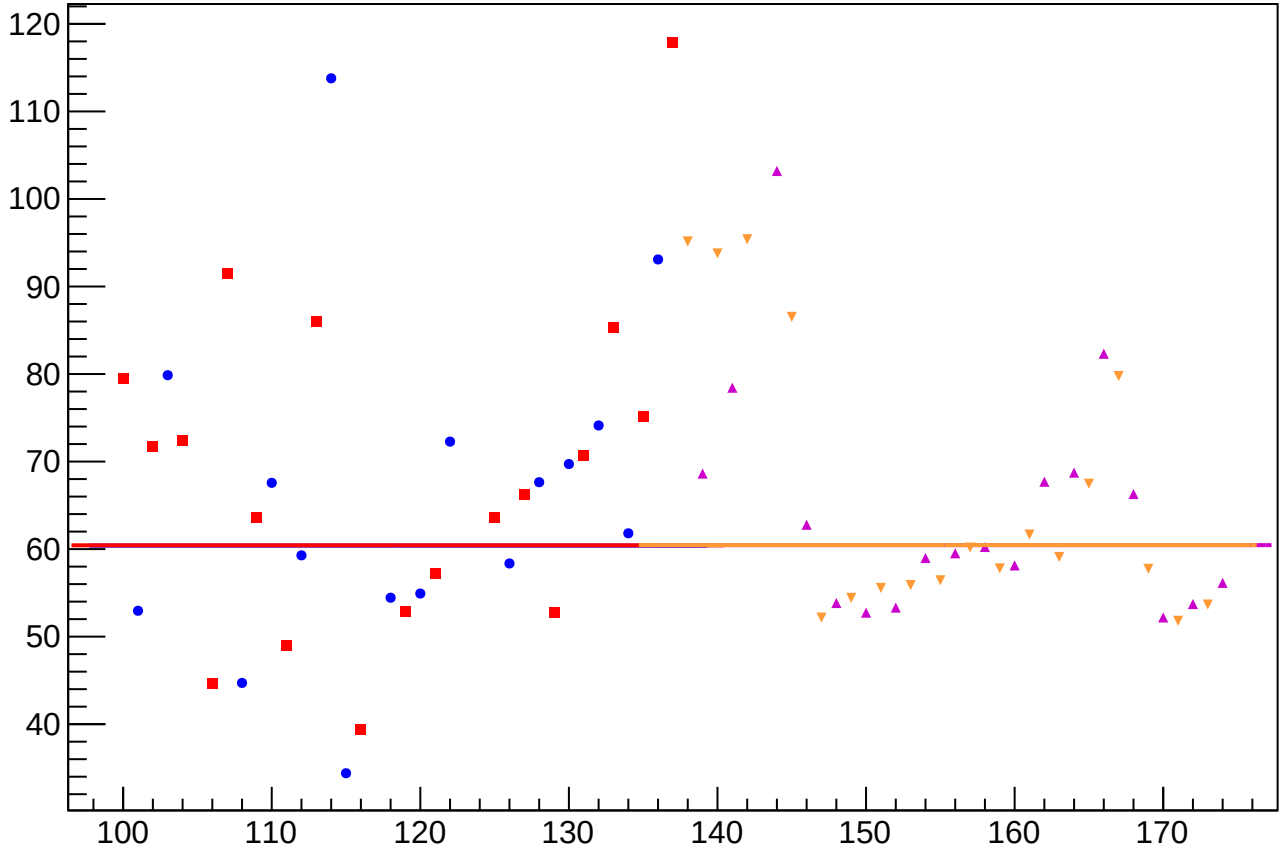
Left In: 0.020+/-0.016 χ^2/NDF:27.4/17

+ sign -0.012+/-0.014 χ^2/NDF: 40.7/33

All: 0.001+/-0.010 χ^2/NDF: 98.1/69

- 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: 60.461+/-0.012 χ^2/NDF:912186.4/17

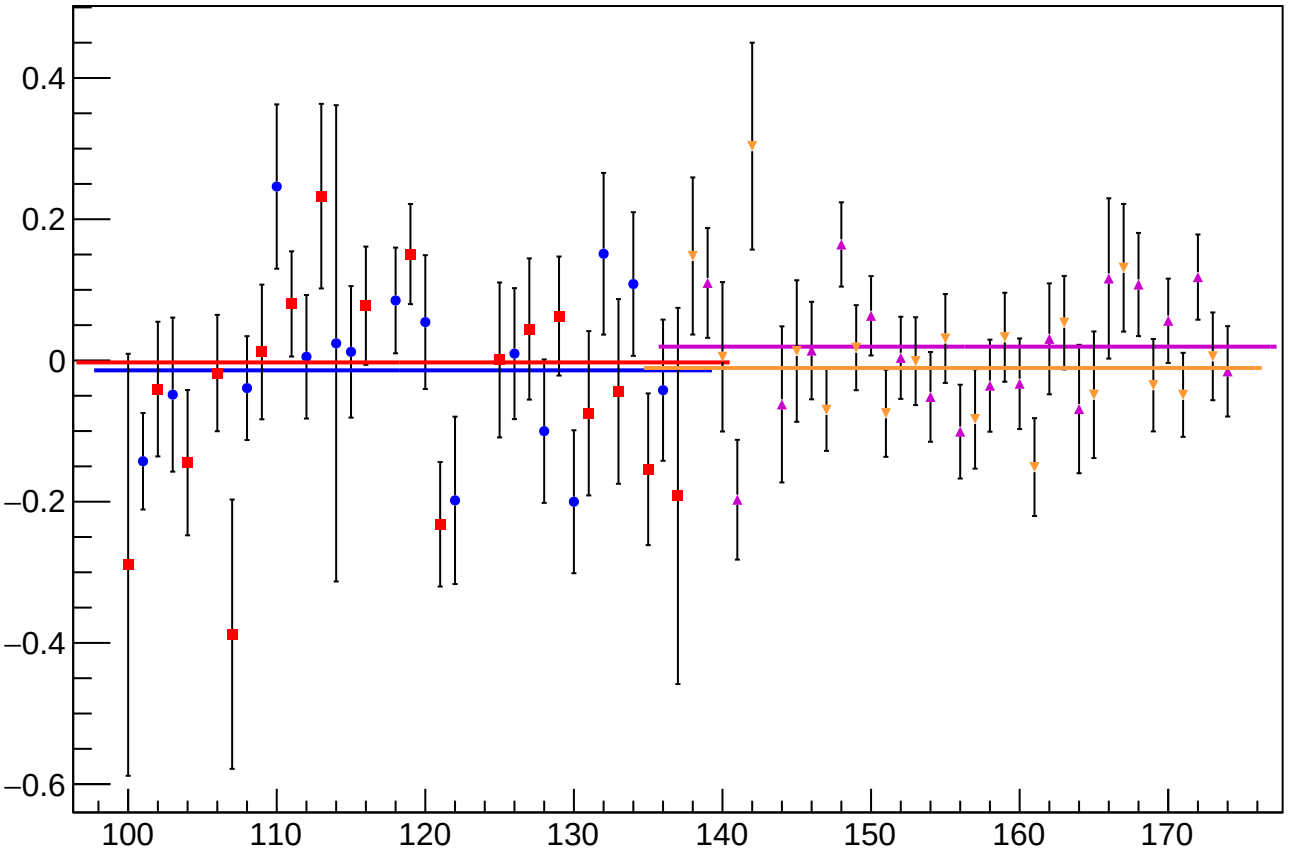
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

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

+ sign 60.441+/-0.010 χ^2/NDF: 1615352.5/33

All: 60.444+/-0.007 χ^2/NDF: 3028986.8/69

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



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

Left Out: -0.011+/-0.017 χ^2/NDF:19.4/17

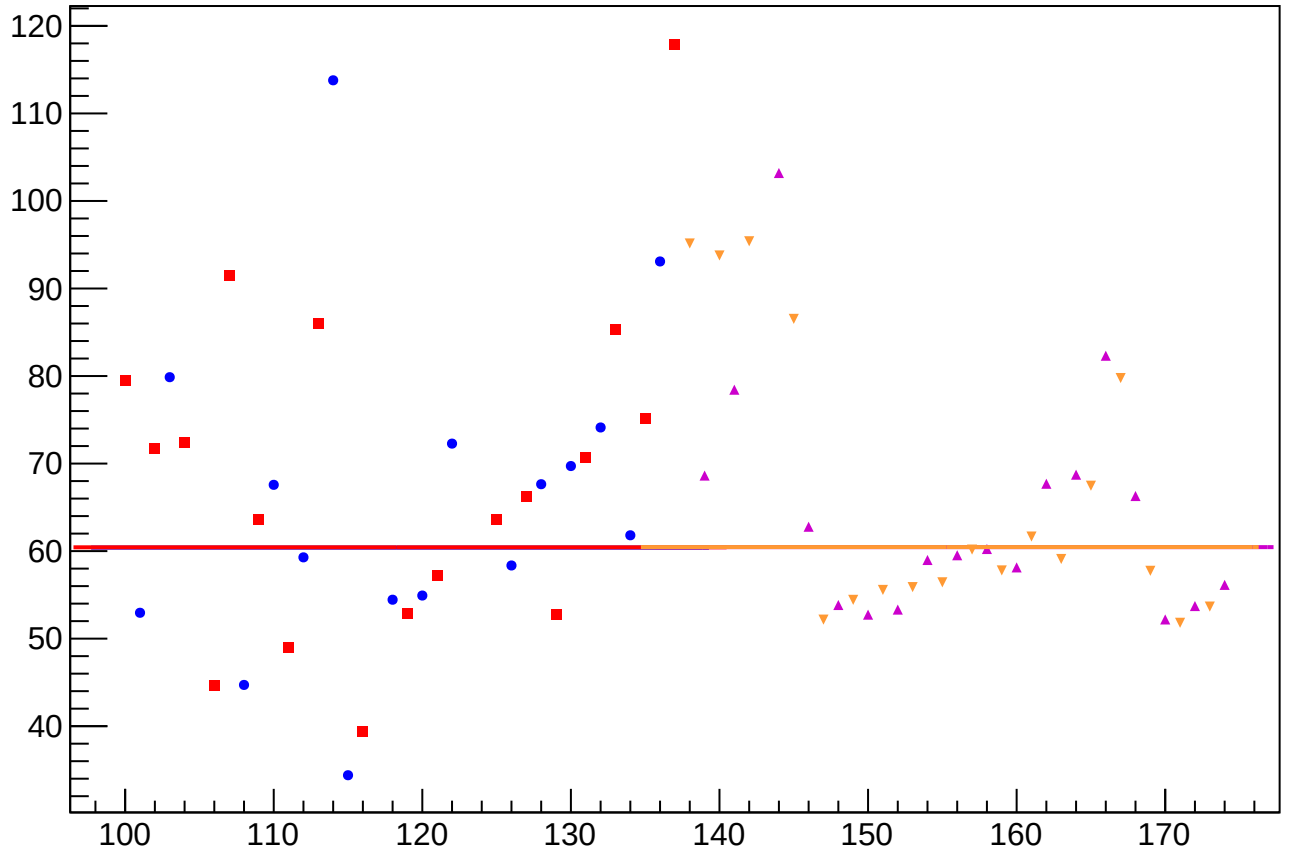
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

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

+ sign -0.012+/-0.014 χ^2/NDF: 40.7/33

All: 0.001+/-0.010 χ^2/NDF: 98.1/69

- sign 0.012+/-0.013 χ^2/NDF: 55.7/35



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

Left Out: 60.461+/-0.012 χ^2/NDF:912186.4/17

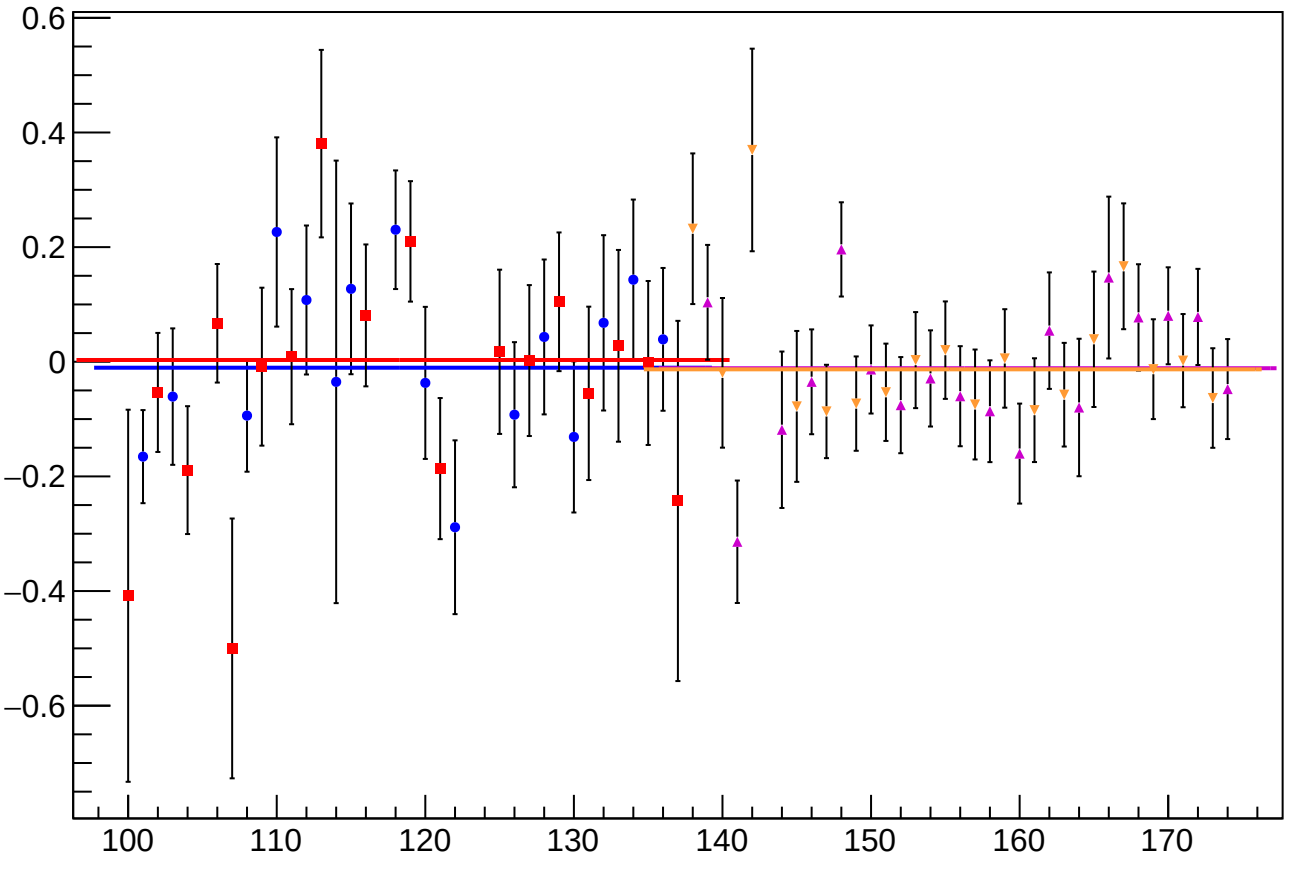
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

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

+ sign 60.441+/-0.010 χ^2/NDF: 1615352.5/33

All: 60.444+/-0.007 χ^2/NDF: 3028986.8/69

- 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: -0.013+/-0.022 χ^2/NDF:14.7/17

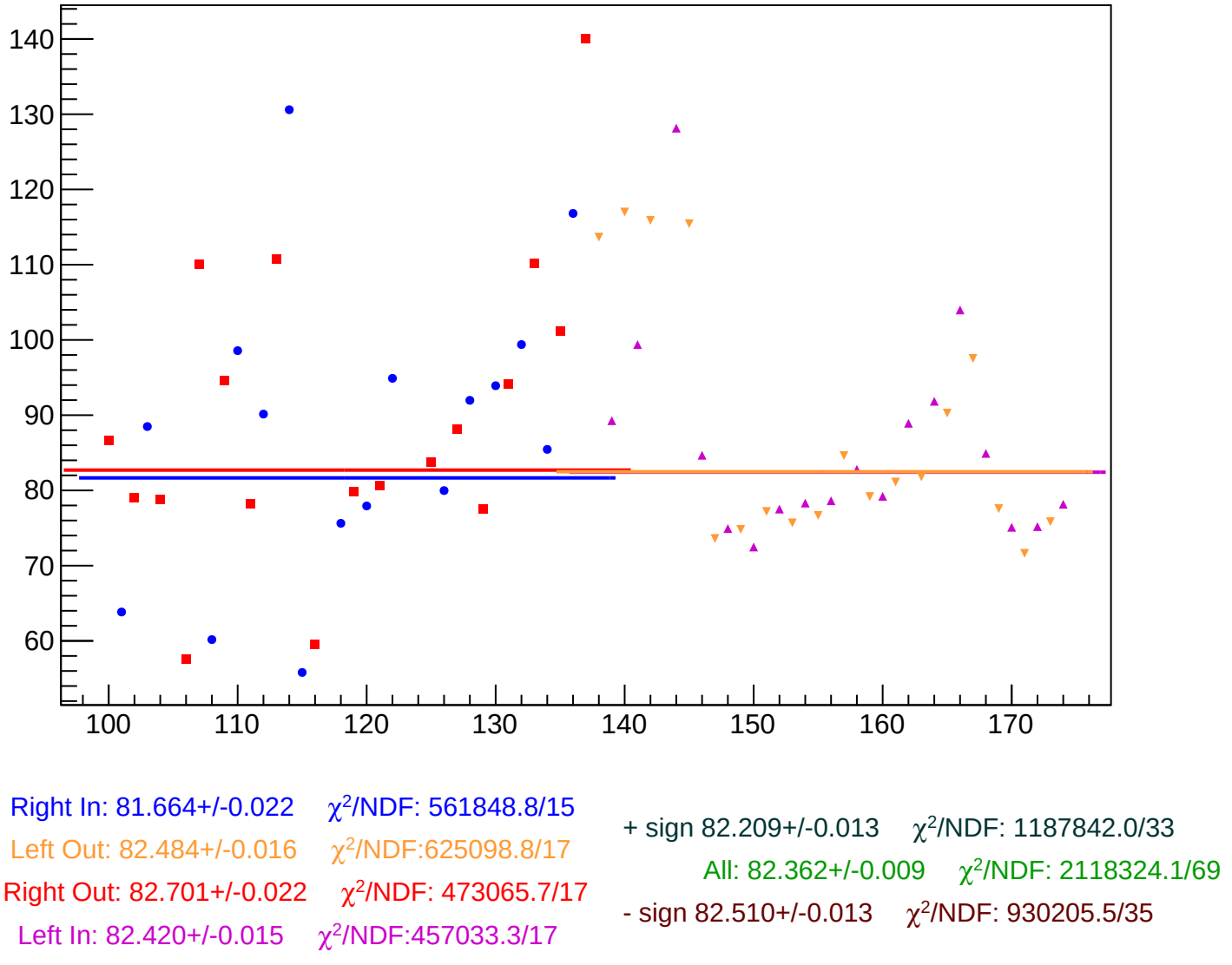
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

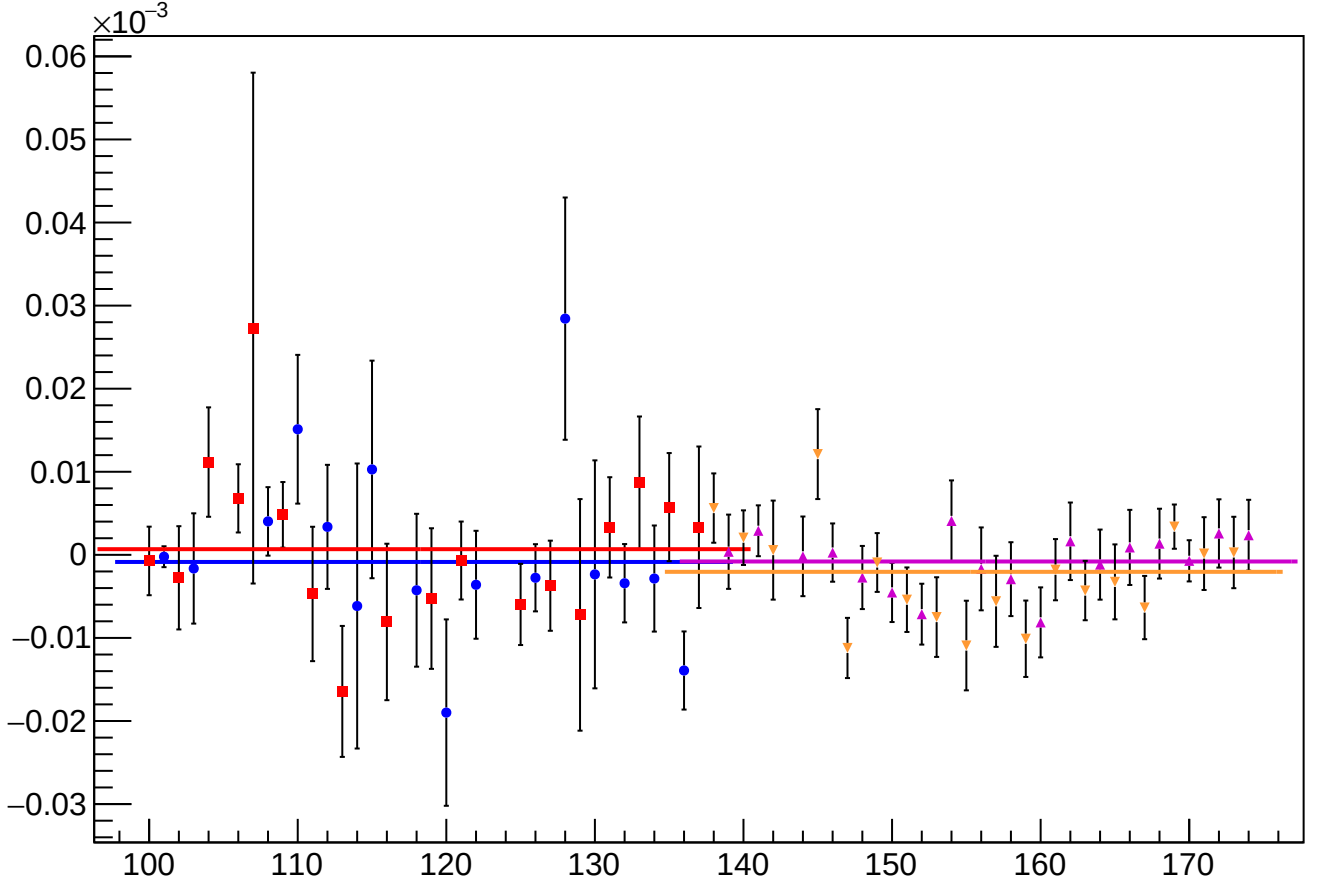
Left In: -0.011+/-0.022 χ^2/NDF:26.4/17

+ sign -0.012+/-0.018 χ^2/NDF: 34.9/33

All: -0.009+/-0.013 χ^2/NDF: 85.1/69

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


asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
Right In: 81.664+/-0.022 χ²/NDF: 561848.8/15
Left Out: 82.484+/-0.016 χ²/NDF:625098.8/17
Right Out: 82.701+/-0.022 χ²/NDF: 473065.7/17
Left In: 82.420+/-0.015 χ²/NDF:457033.3/17
+ sign 82.209+/-0.013 χ²/NDF: 1187842.0/33
All: 82.362+/-0.009 χ²/NDF: 2118324.1/69
- sign 82.510+/-0.013 χ²/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:33.2/17

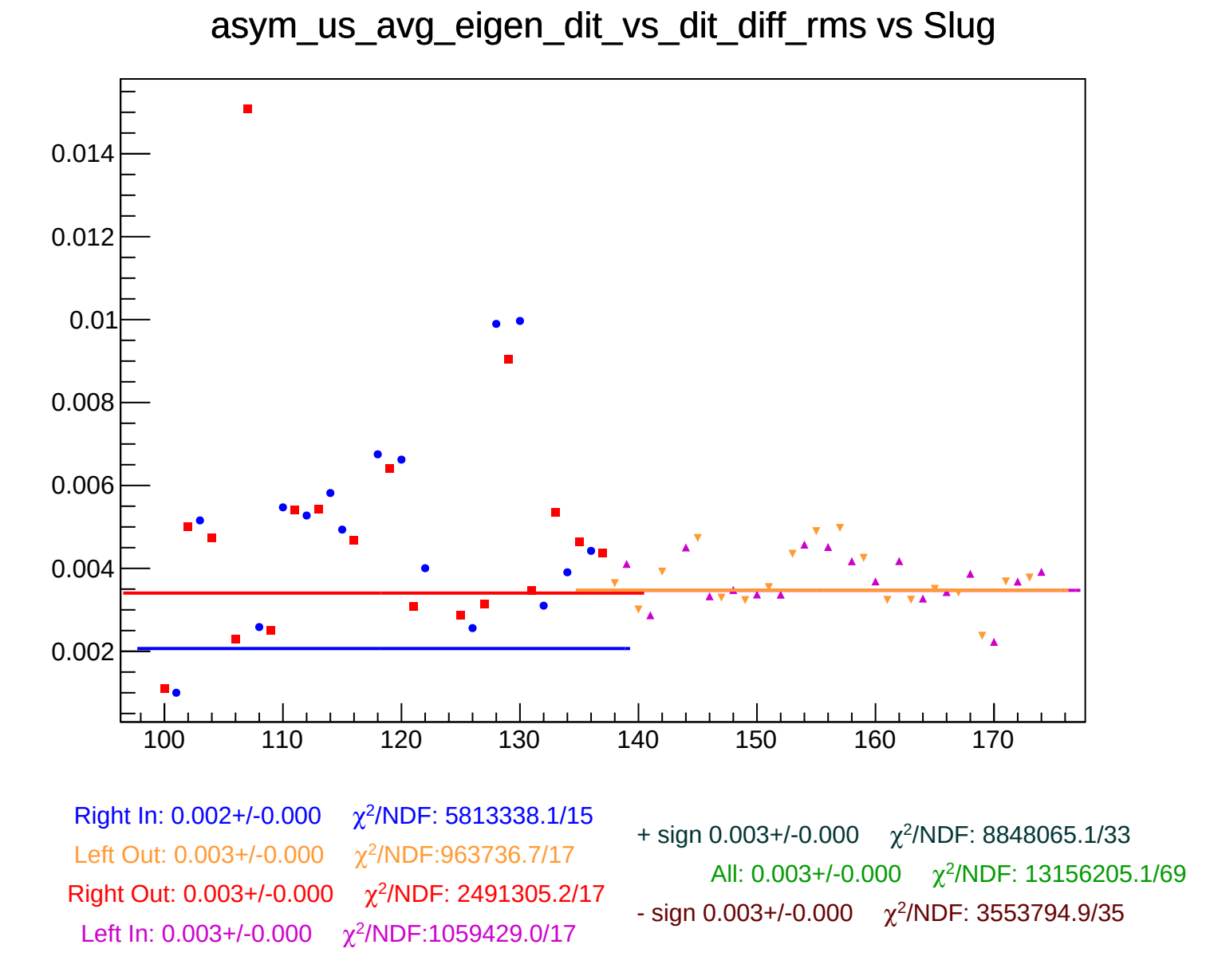
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/17

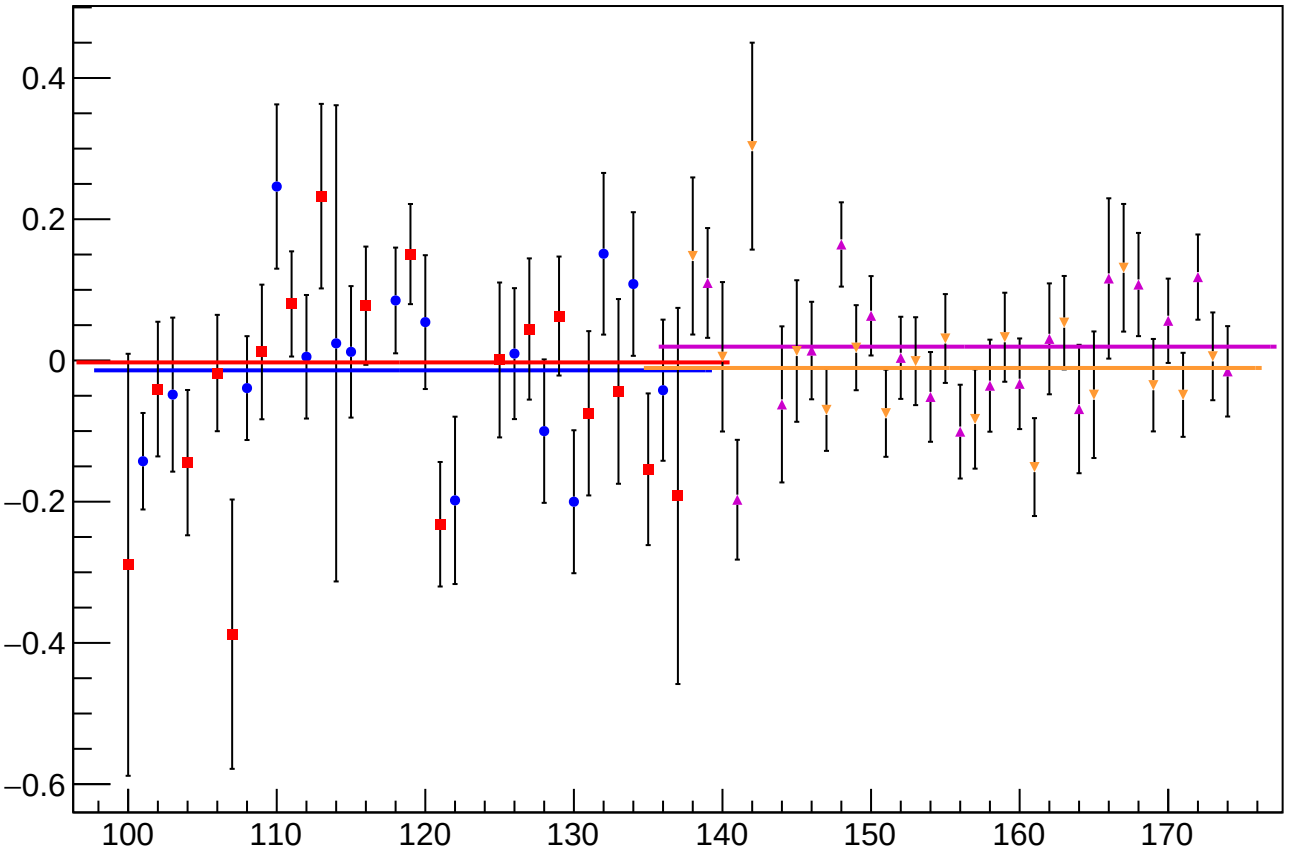
Left In: -0.000+/-0.000 χ^2/NDF:12.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 55.2/33

All: -0.000+/-0.000 χ^2/NDF: 87.7/69

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


asym_us_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: 5813338.1/15
Left Out: 0.003+/-0.000 χ²/NDF:963736.7/17
Right Out: 0.003+/-0.000 χ²/NDF: 2491305.2/17
Left In: 0.003+/-0.000 χ²/NDF:1059429.0/17
+ sign 0.003+/-0.000 χ²/NDF: 8848065.1/33
All: 0.003+/-0.000 χ²/NDF: 13156205.1/69
- sign 0.003+/-0.000 χ²/NDF: 3553794.9/35



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

Left Out: -0.011+/-0.017 χ^2/NDF:19.4/17

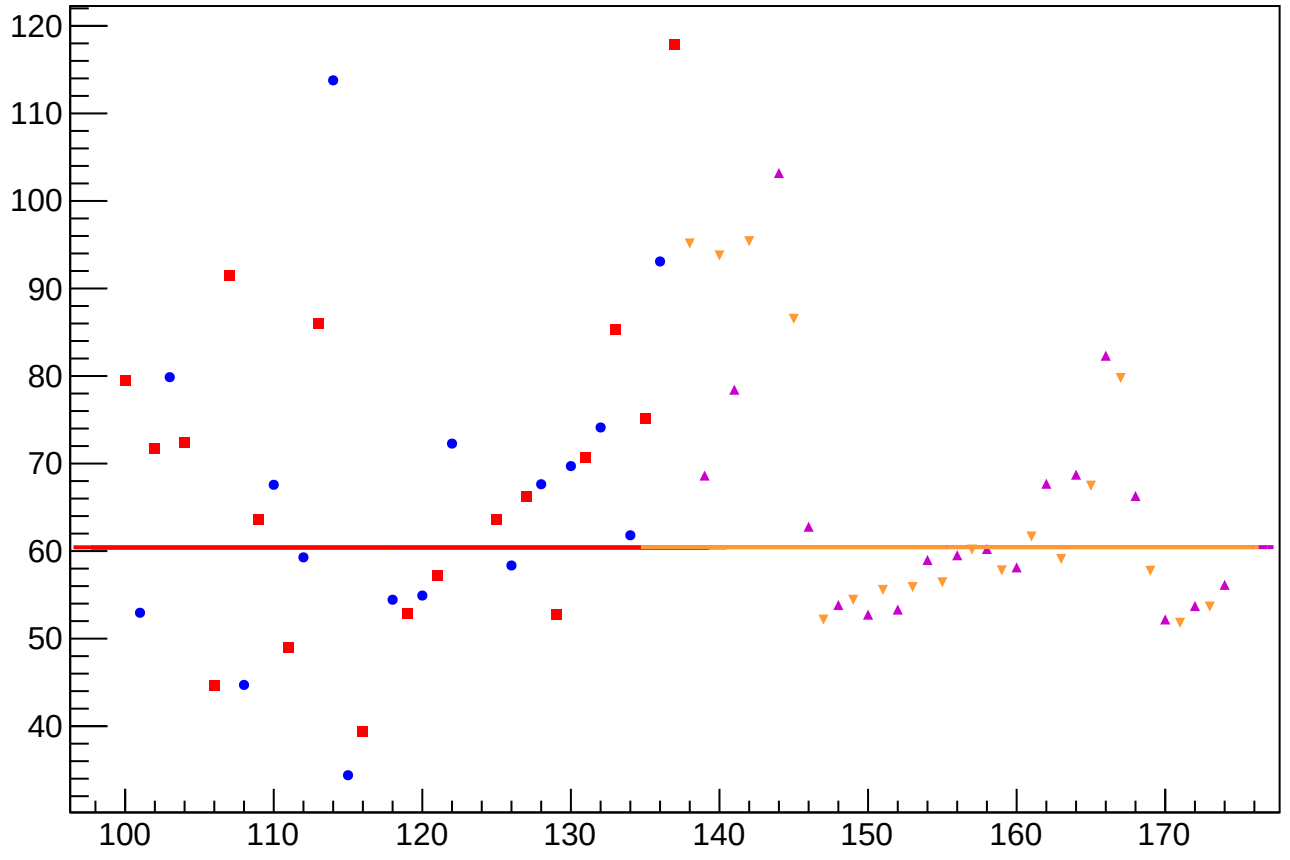
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

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

+ sign -0.012+/-0.014 χ^2/NDF: 40.7/33

All: 0.001+/-0.010 χ^2/NDF: 98.1/69

- sign 0.012+/-0.013 χ^2/NDF: 55.7/35



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

Left Out: 60.462+/-0.012 χ^2/NDF:912179.7/17

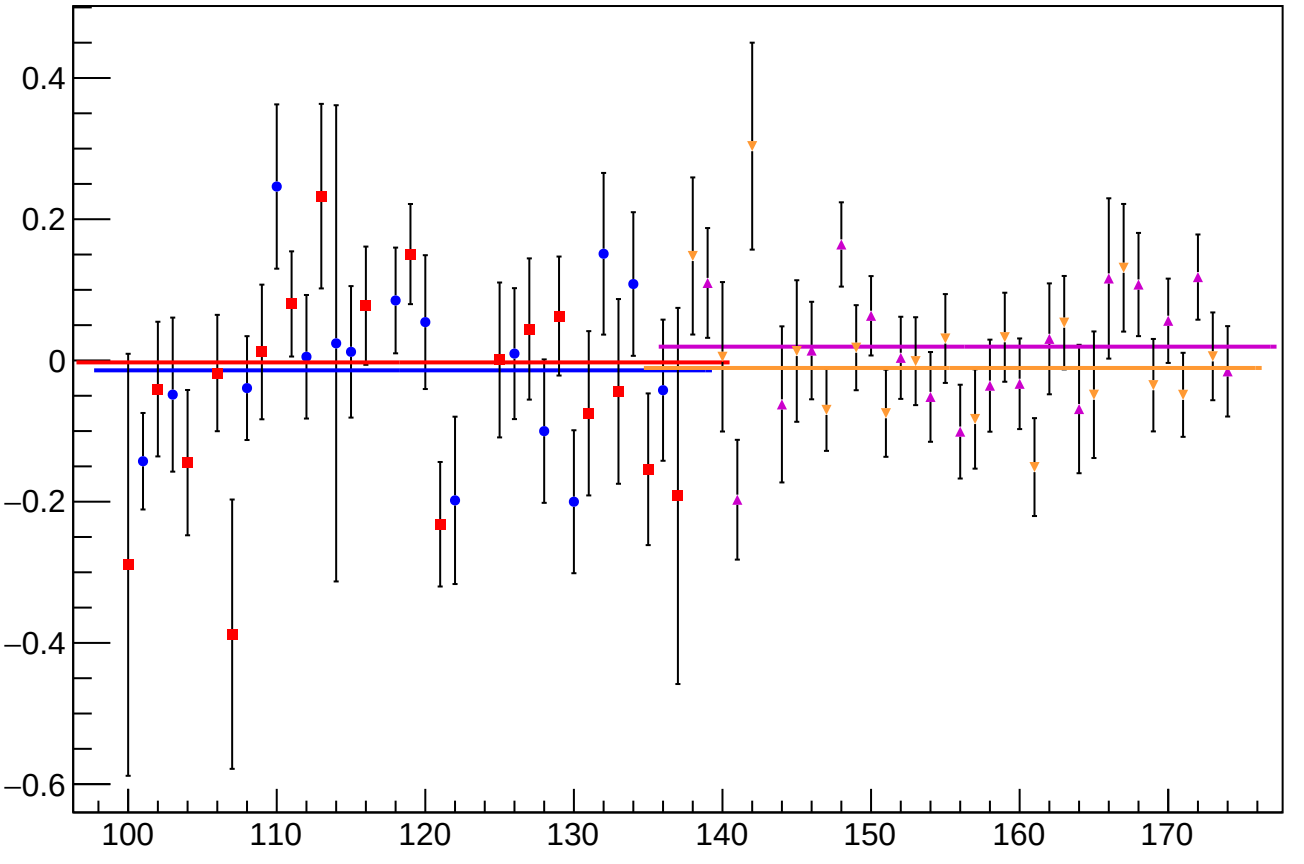
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

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

+ sign 60.441+/-0.010 χ^2/NDF: 1615358.4/33

All: 60.444+/-0.007 χ^2/NDF: 3029010.5/69

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



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

Left Out: -0.011+/-0.017 χ^2/NDF:19.4/17

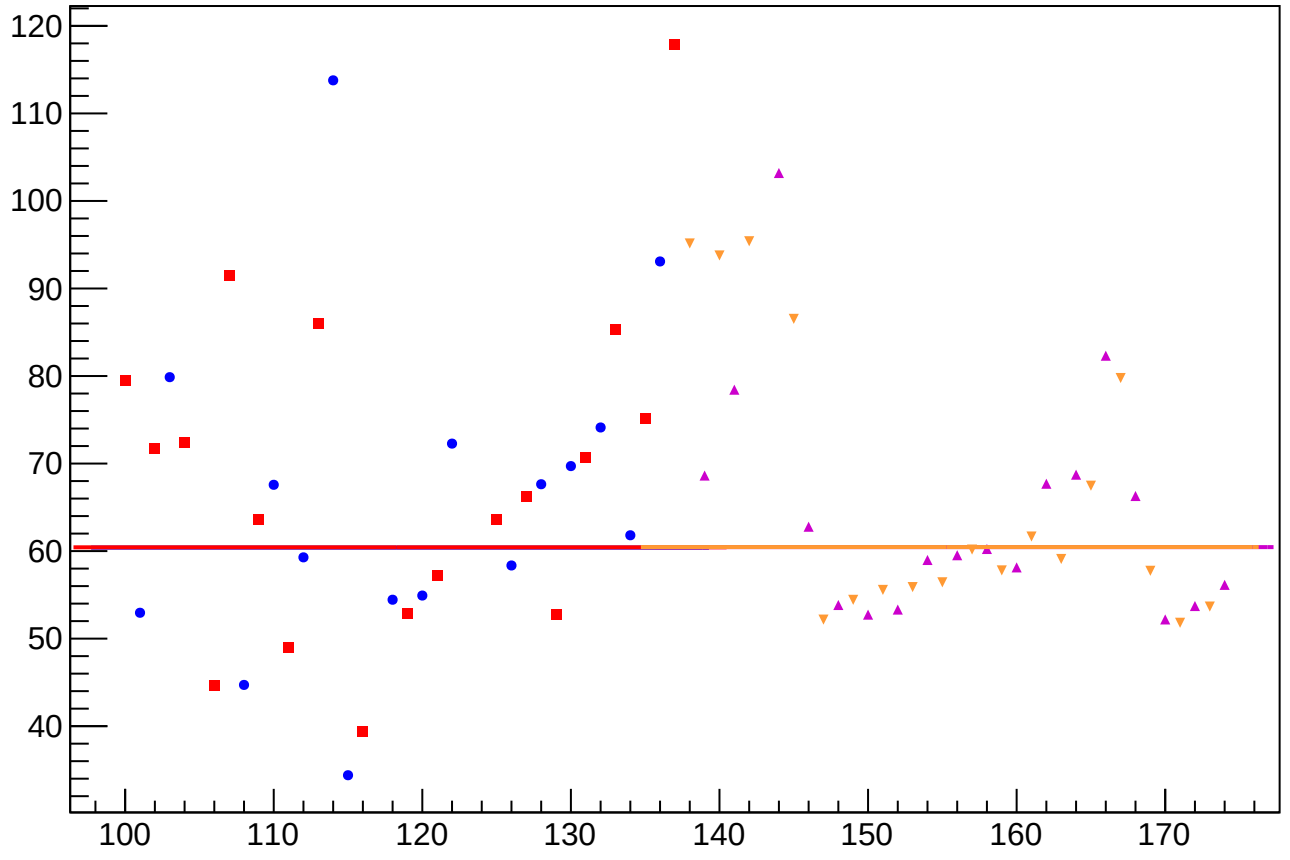
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

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

+ sign -0.012+/-0.014 χ^2/NDF: 40.7/33

All: 0.001+/-0.010 χ^2/NDF: 98.1/69

- sign 0.012+/-0.013 χ^2/NDF: 55.7/35



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

Left Out: 60.462+/-0.012 χ^2/NDF:912179.7/17

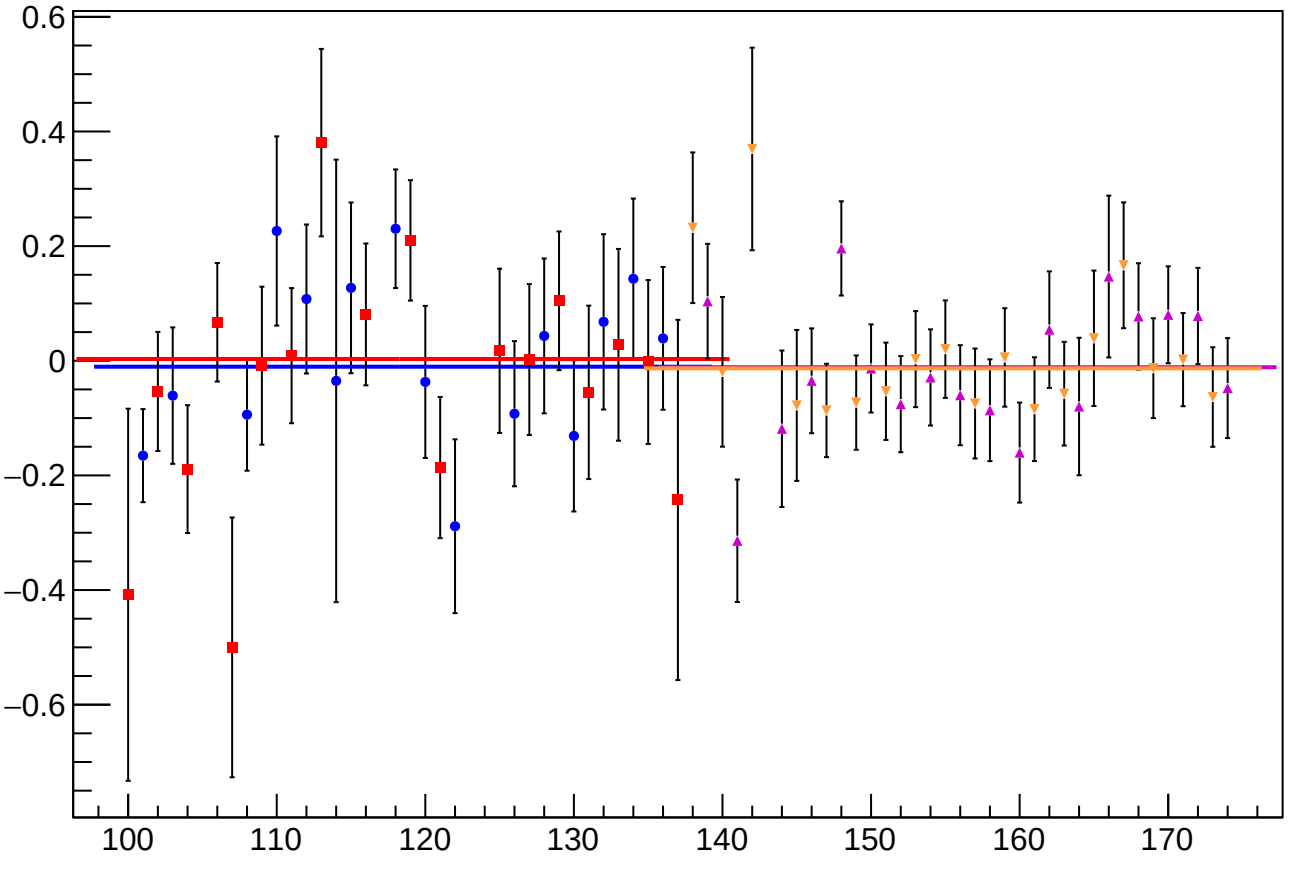
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

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

+ sign 60.441+/-0.010 χ^2/NDF: 1615358.4/33

All: 60.444+/-0.007 χ^2/NDF: 3029010.5/69

- 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: -0.013+/-0.022 χ^2/NDF:14.7/17

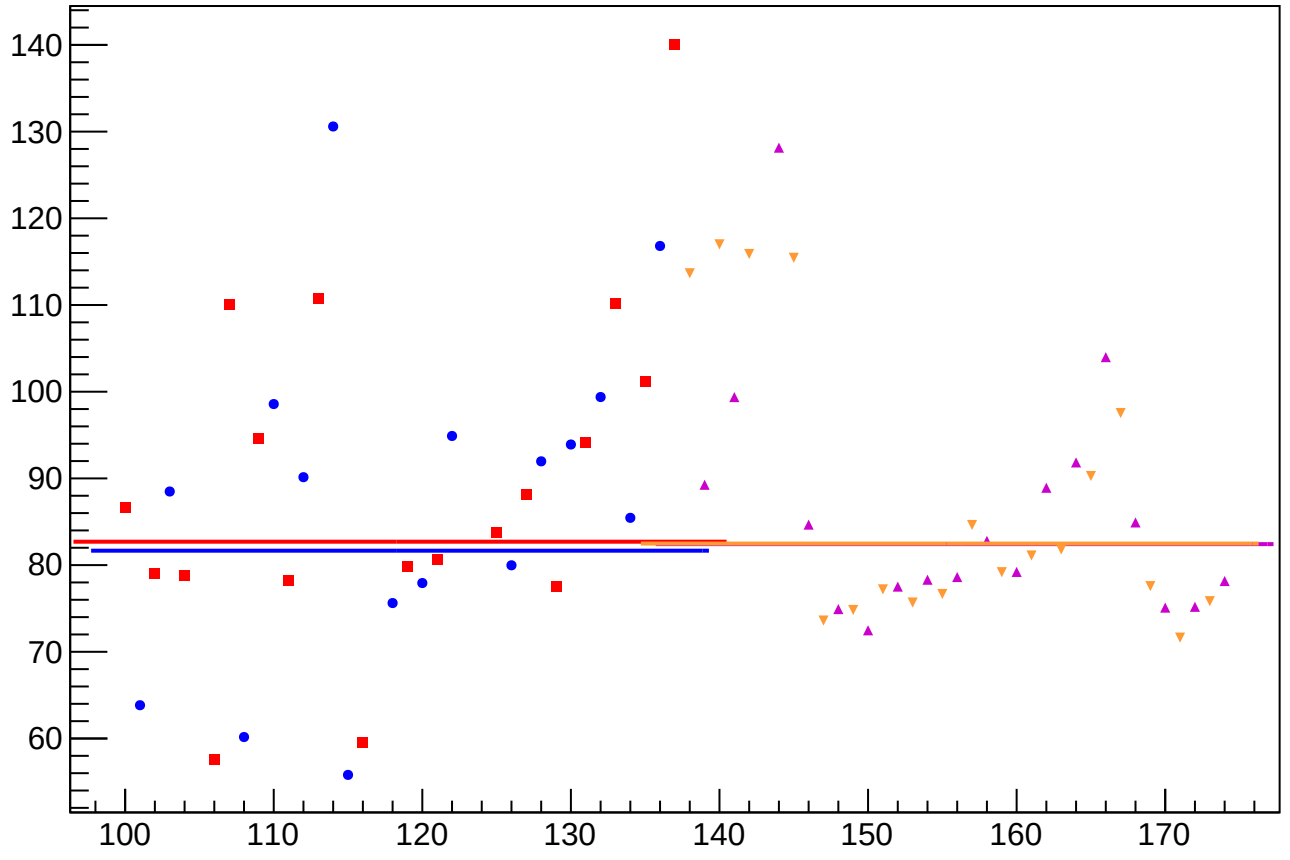
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

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

+ sign -0.012+/-0.018 χ^2/NDF: 34.9/33

All: -0.009+/-0.013 χ^2/NDF: 85.1/69

- 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: 82.484+/-0.016 χ^2/NDF:625095.6/17

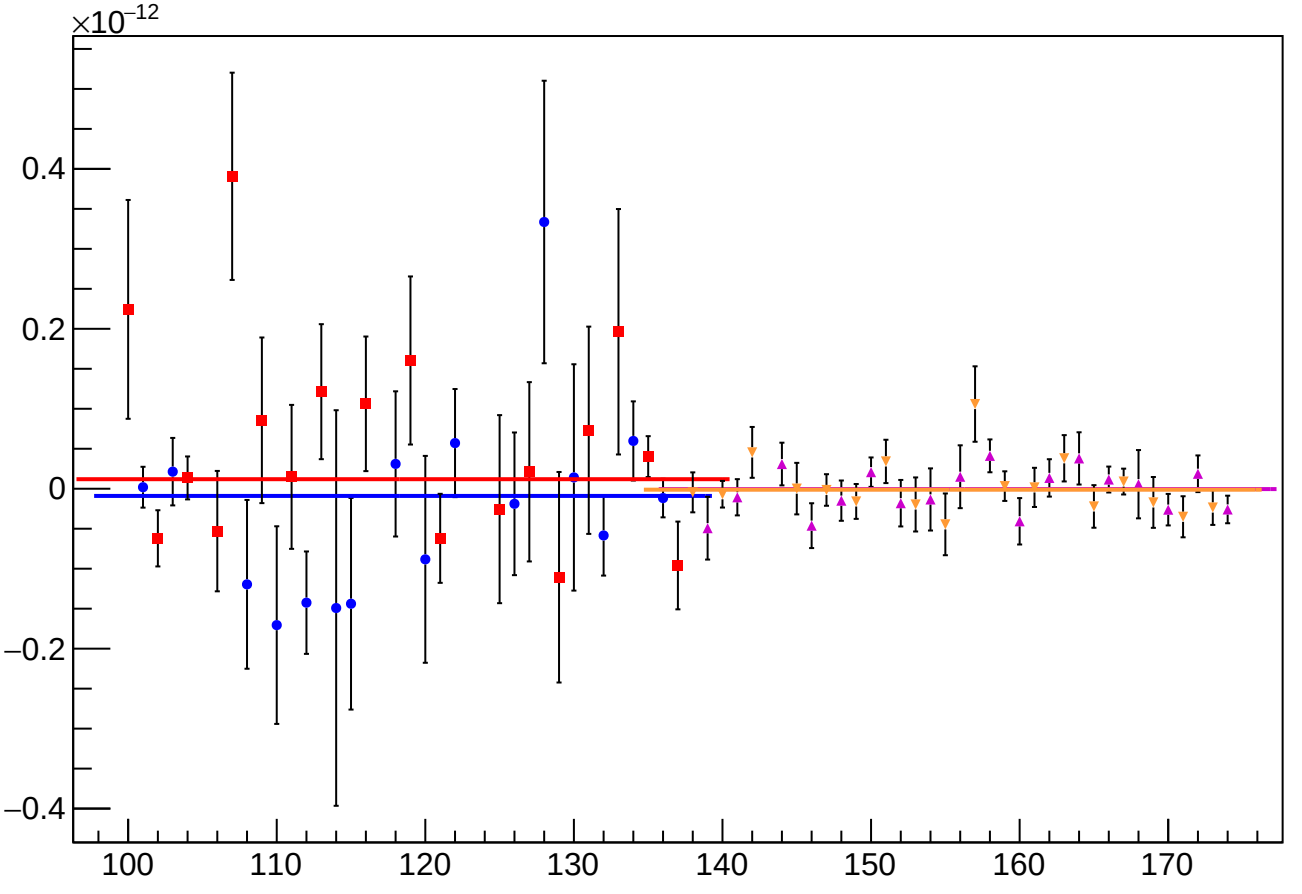
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

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

+ sign 82.209+/-0.013 χ^2/NDF: 1187828.9/33

All: 82.362+/-0.009 χ^2/NDF: 2118303.1/69

- 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:17.1/17

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

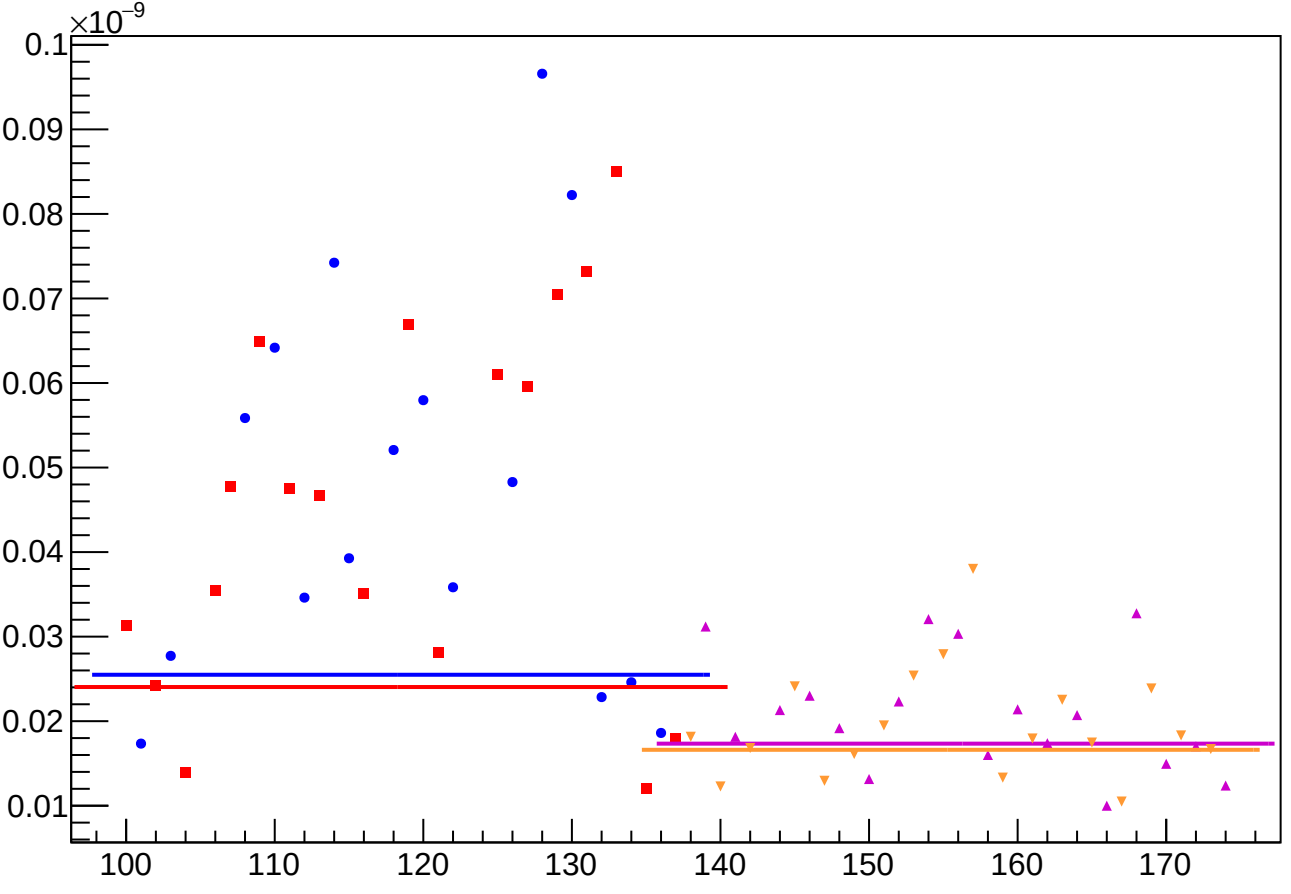
Left In: -0.000+/-0.000 χ^2/NDF:21.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 34.9/33

All: -0.000+/-0.000 χ^2/NDF: 87.9/69

- 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:1616968.6/17

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

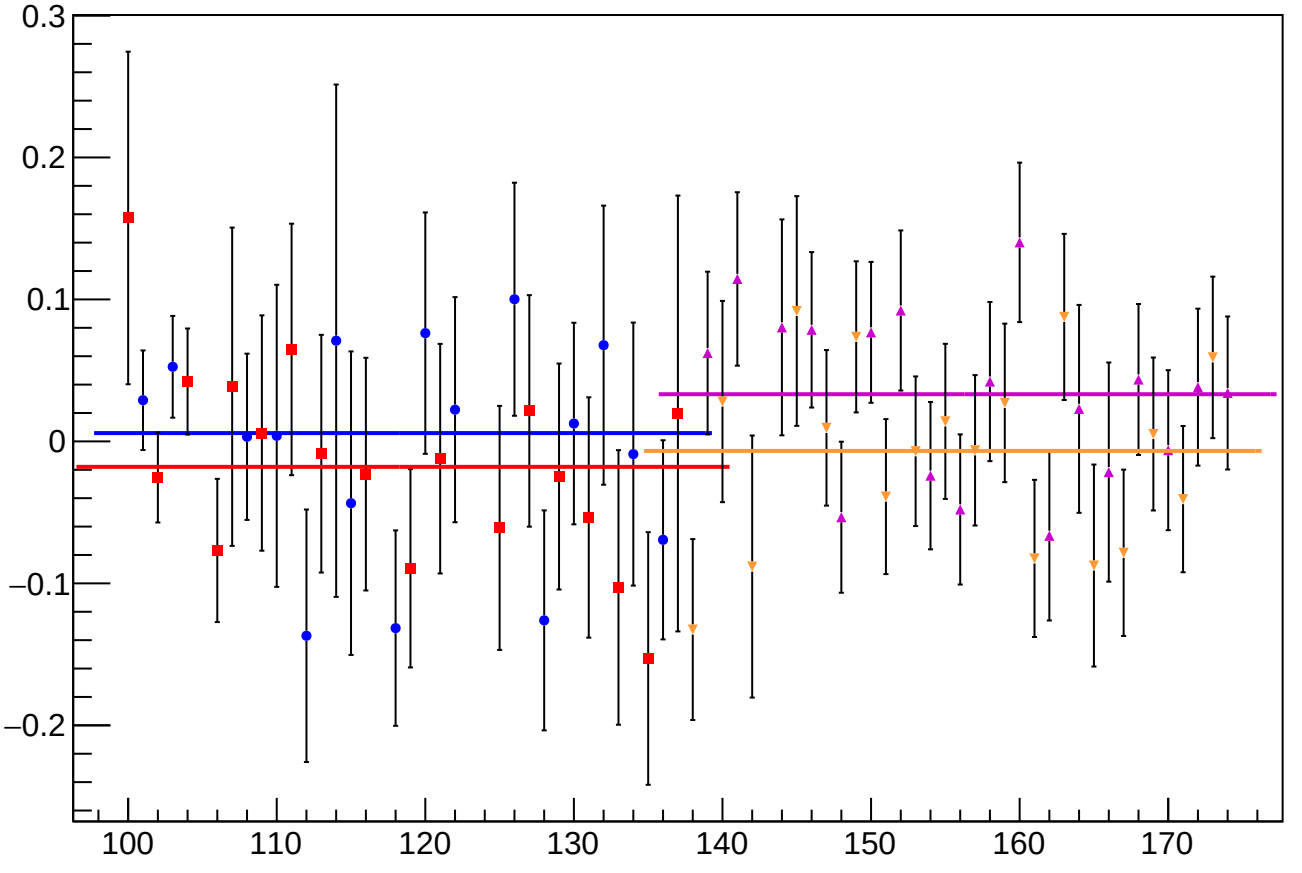
Left In: 0.000+/-0.000 χ^2/NDF:1992202.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 4374786.0/33

All: 0.000+/-0.000 χ^2/NDF: 9879837.9/69

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

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.007+/-0.014 χ^2/NDF:18.7/17

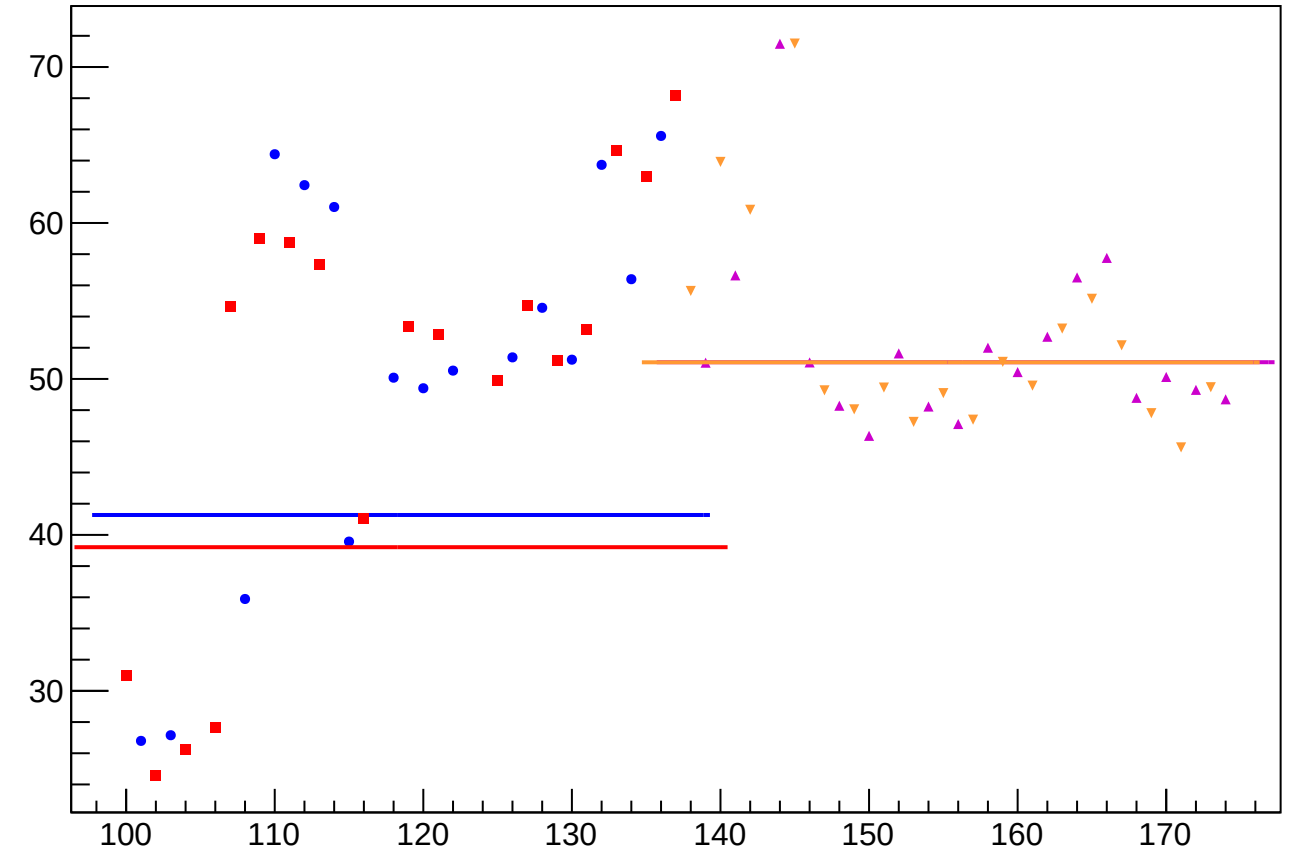
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

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

+ sign -0.002+/-0.011 χ^2/NDF: 34.6/33

All: 0.005+/-0.007 χ^2/NDF: 72.5/69

- 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: 51.067+/-0.010 χ^2/NDF:302022.5/17

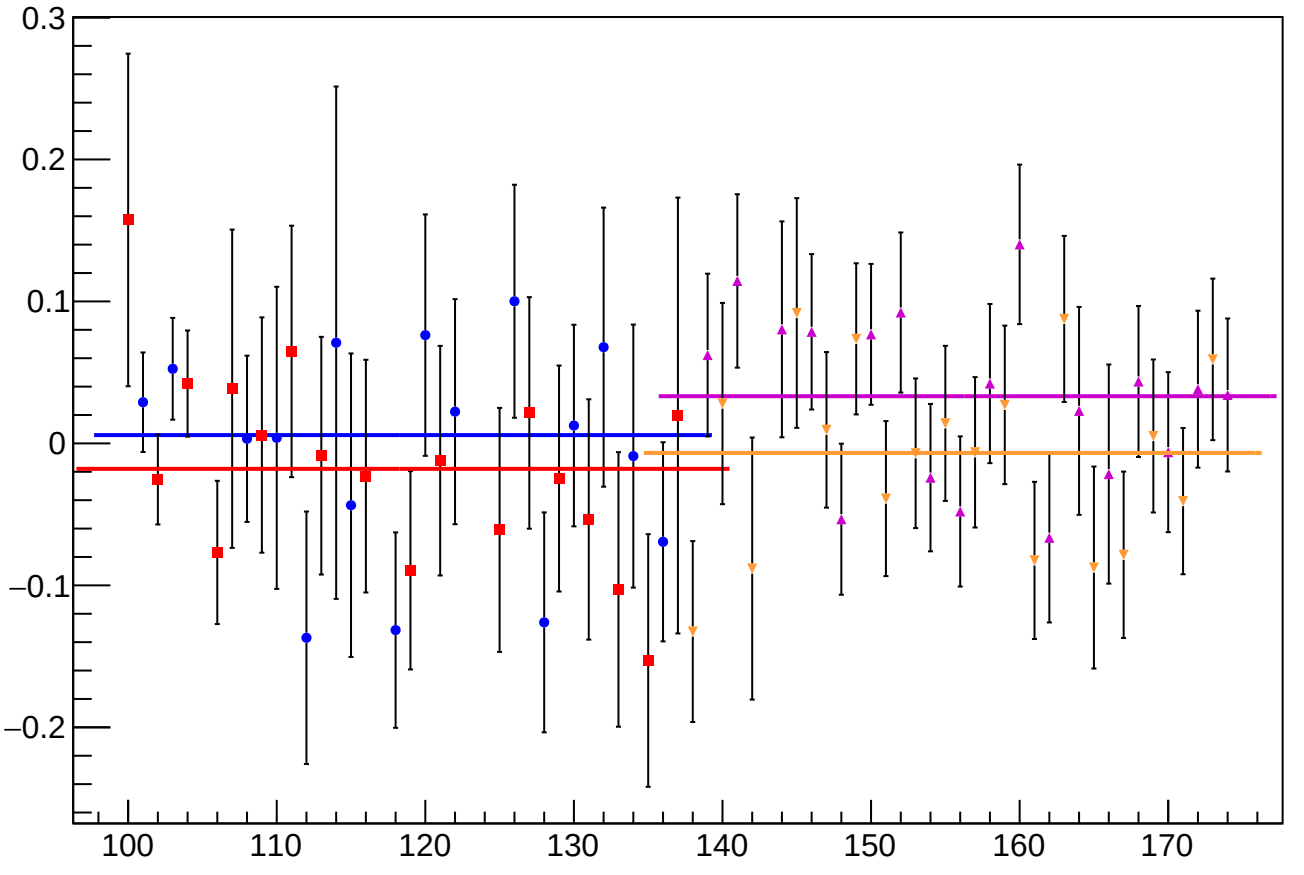
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

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

+ sign 47.043+/-0.007 χ^2/NDF: 2220680.5/33

All: 46.528+/-0.005 χ^2/NDF: 4945103.5/69

- 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:18.7/17

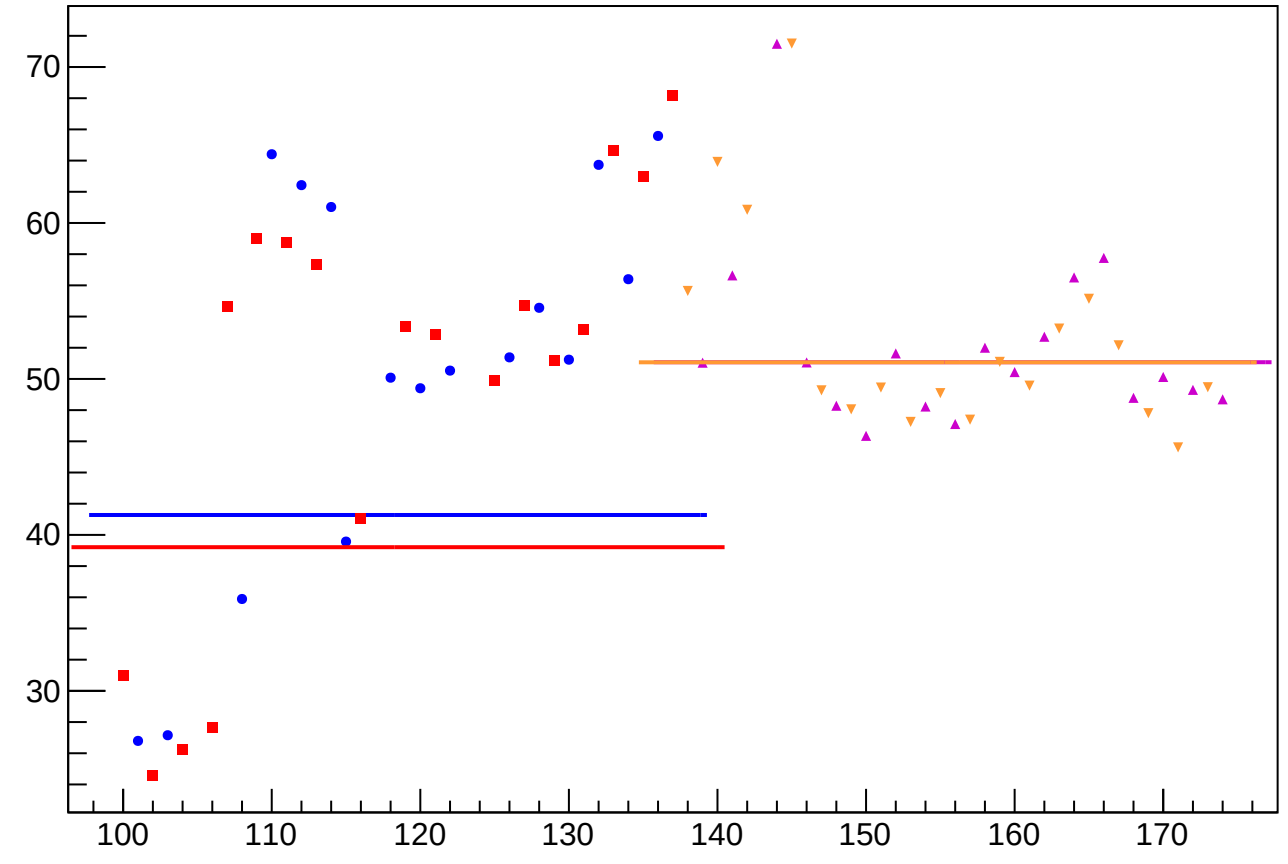
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

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

+ sign -0.002+/-0.011 χ^2/NDF: 34.6/33

All: 0.005+/-0.007 χ^2/NDF: 72.5/69

- 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: 51.067+/-0.010 χ^2/NDF:302022.5/17

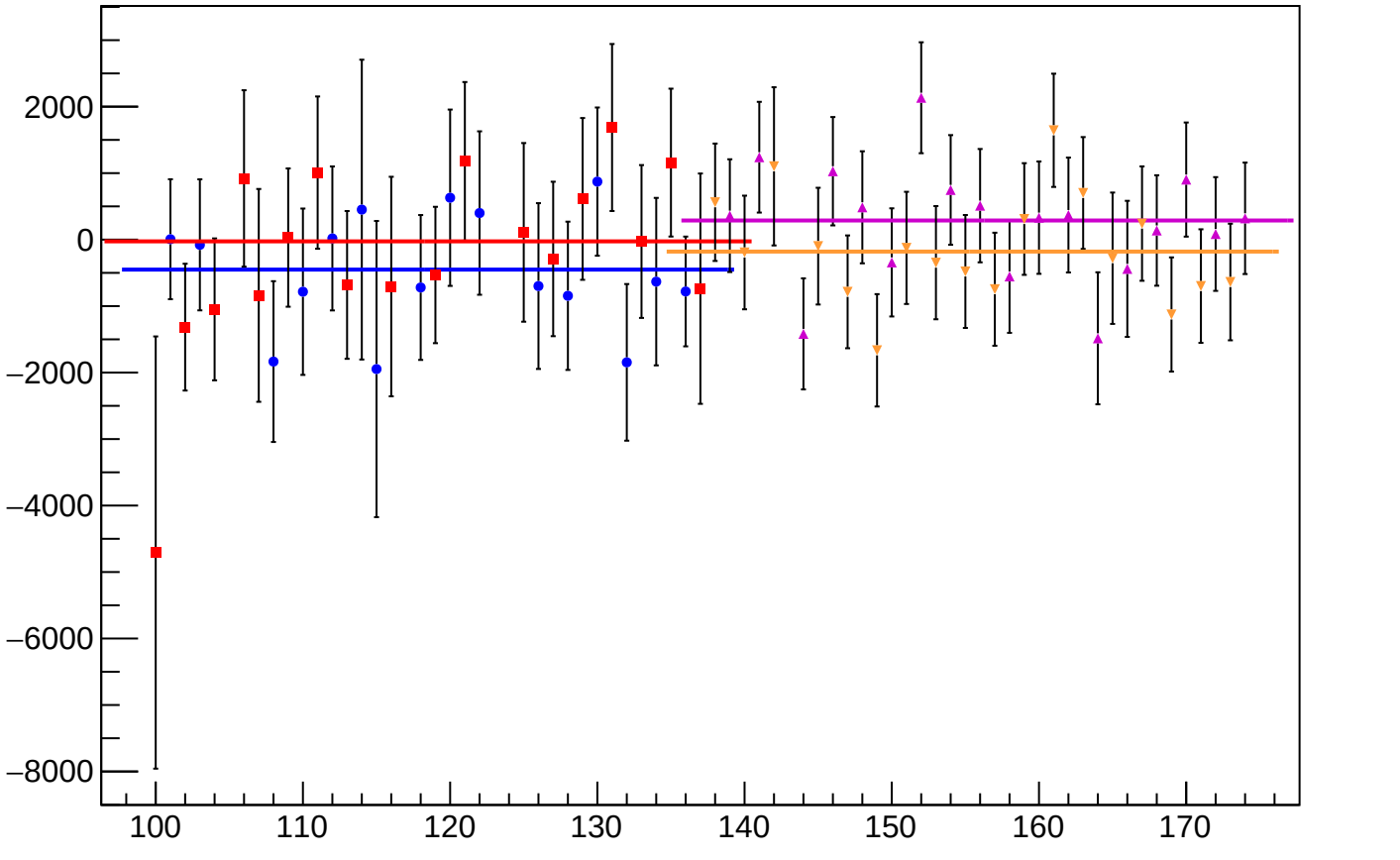
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

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

+ sign 47.043+/-0.007 χ^2/NDF: 2220680.5/33

All: 46.528+/-0.005 χ^2/NDF: 4945103.5/69

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



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

Left Out: -179.729+/-205.777 χ^2/NDF:14.2/17

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

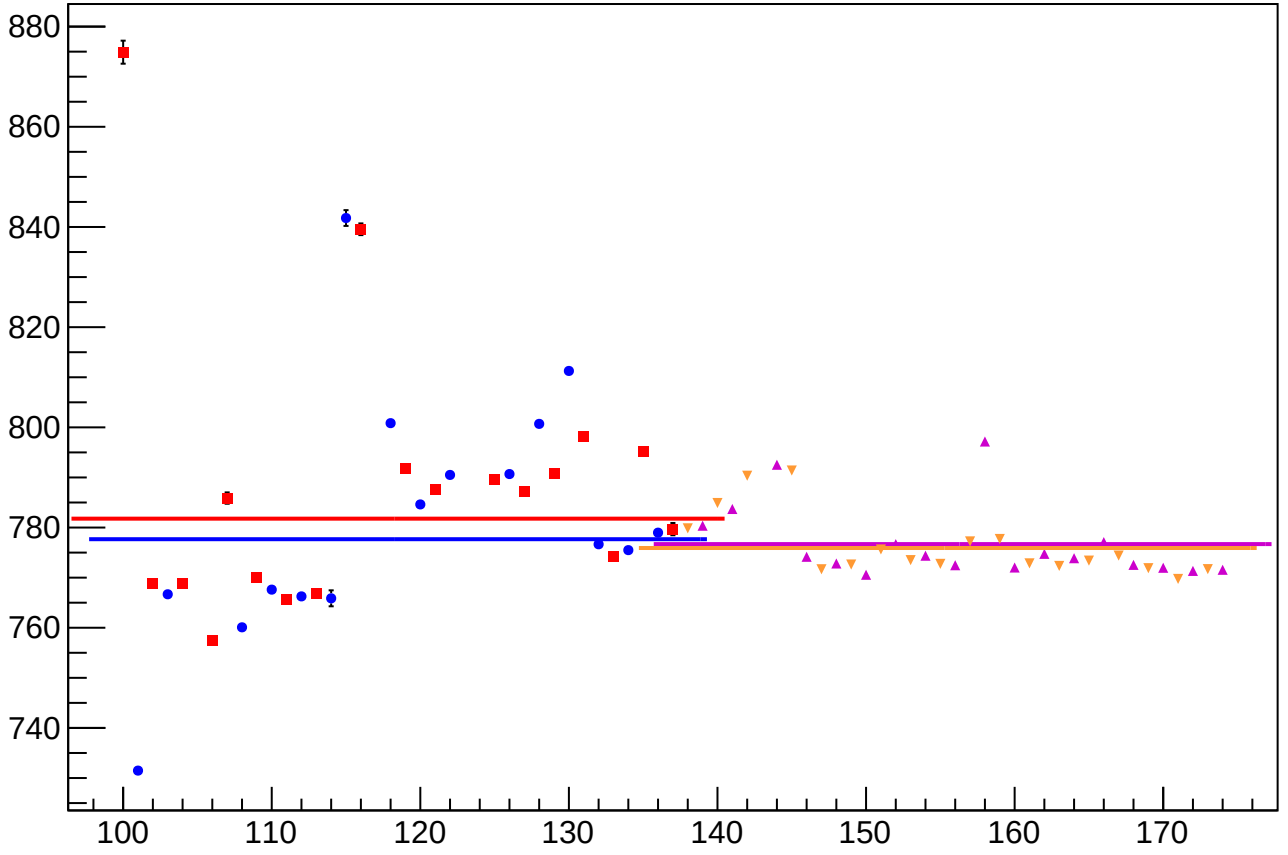
Left In: 287.788+/-201.338 χ^2/NDF:17.5/17

\+ sign -270.996+/-167.616 χ^2/NDF: 21.7/33

All: -39.561+/-117.597 χ^2/NDF: 55.5/69

\- 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: 775.917+/-0.146 χ^2/NDF:1590.3/17

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

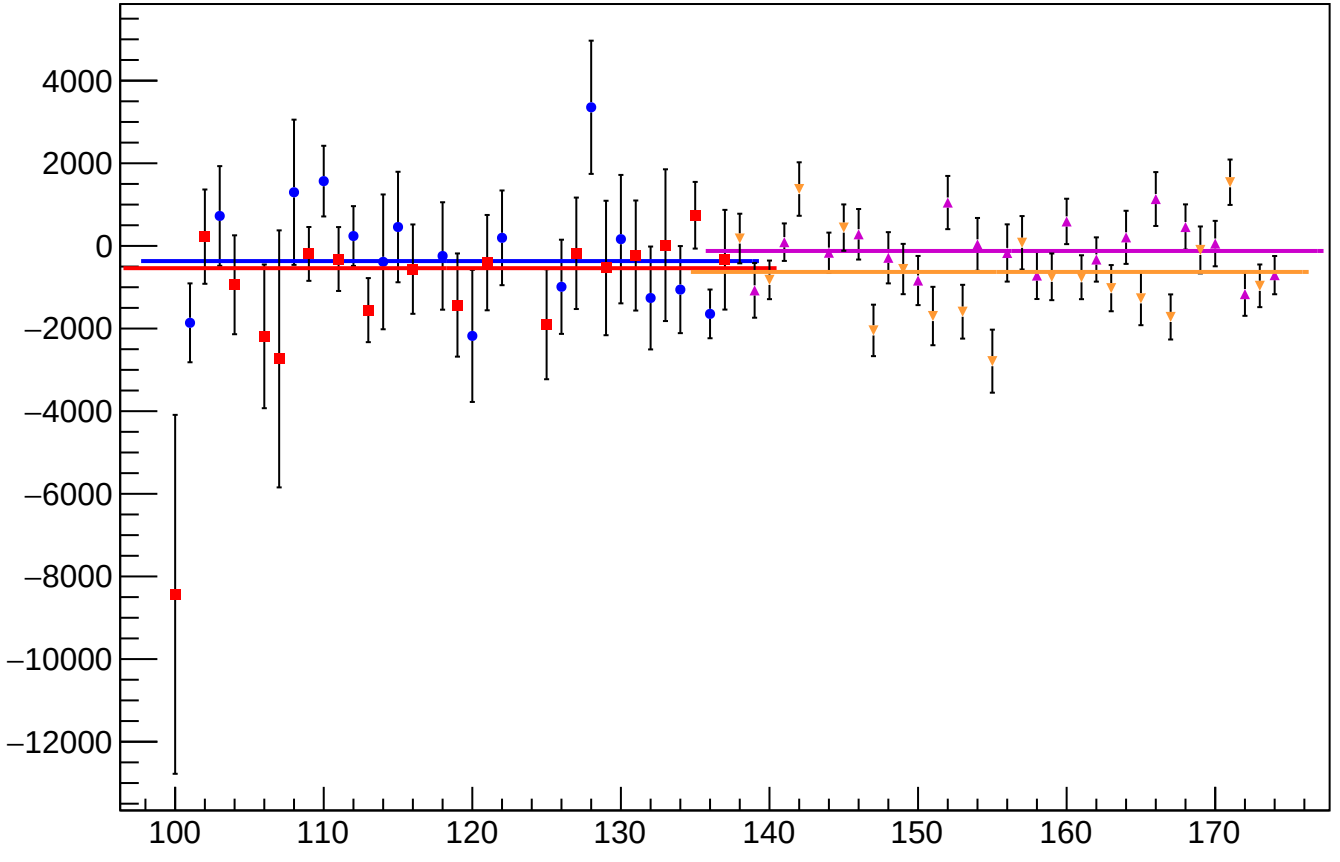
Left In: 776.697+/-0.142 χ^2/NDF:2653.8/17

+ sign 776.509+/-0.119 χ^2/NDF: 13694.8/33

All: 777.451+/-0.083 χ^2/NDF: 24517.1/69

- 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: -629.725+/-138.107 χ^2/NDF:56.6/17

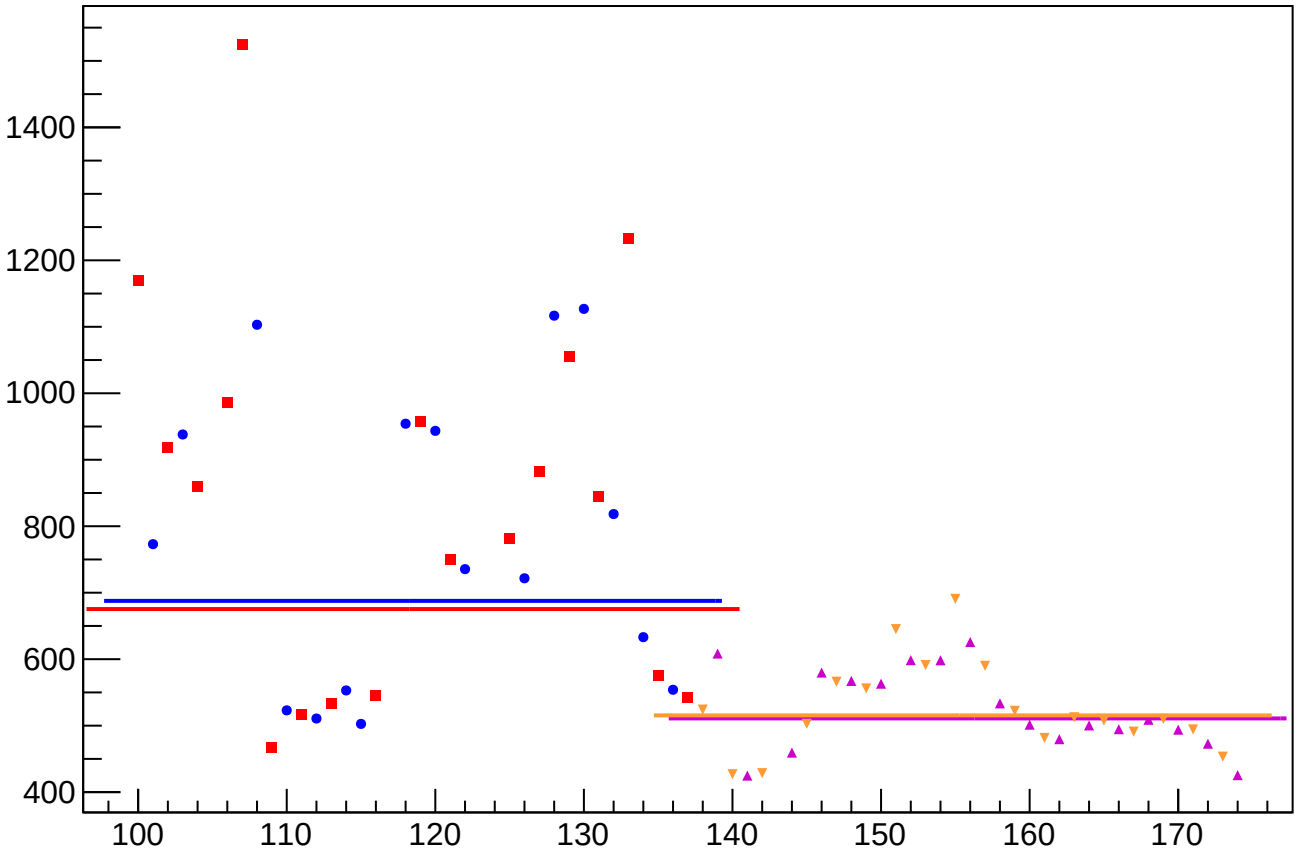
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

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

+ sign -574.173+/-122.639 χ^2/NDF: 80.6/33

All: -385.662+/-85.453 χ^2/NDF: 120.2/69

- 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: 515.474+/-0.098 χ^2/NDF:402780.1/17

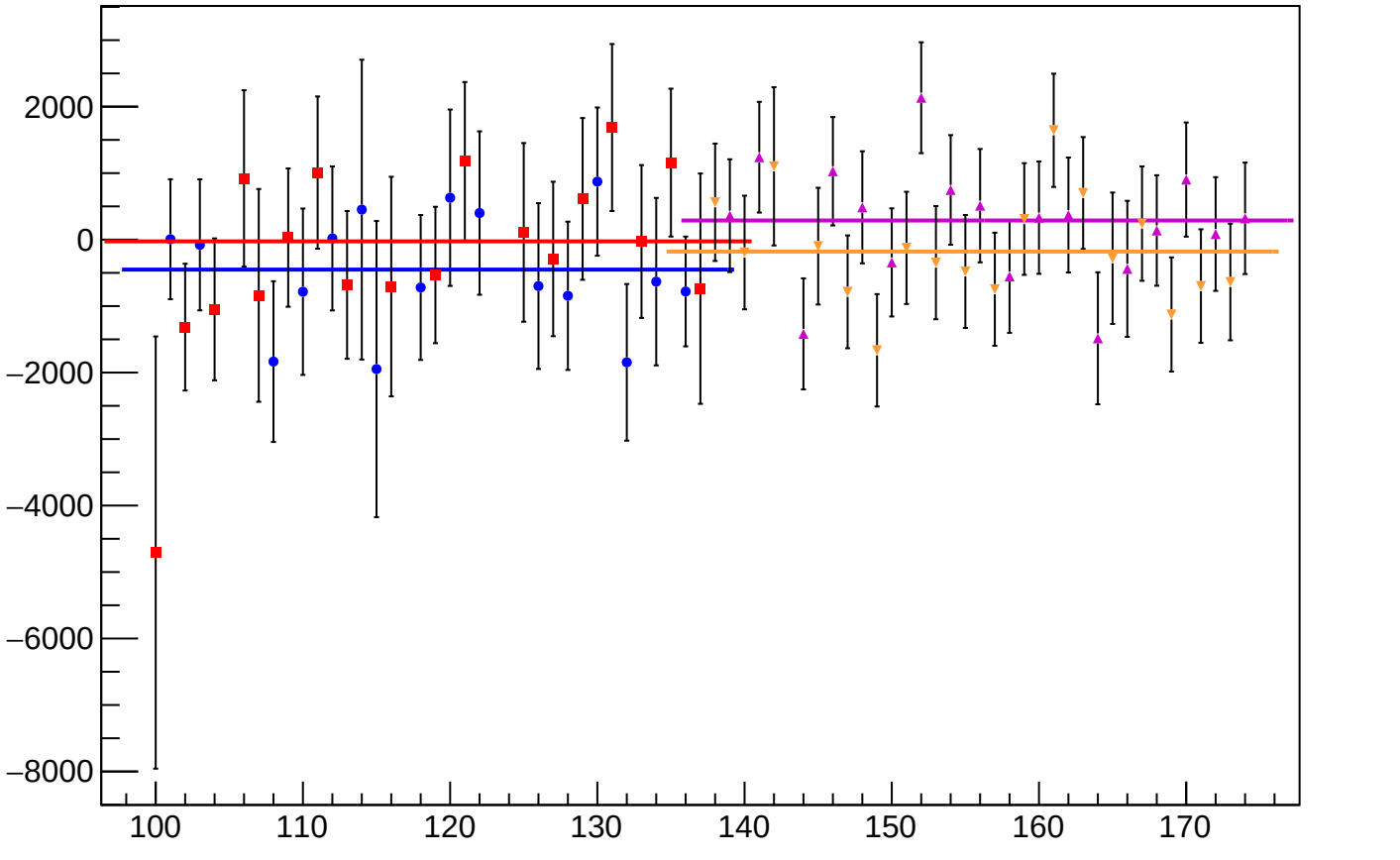
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

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

+ sign 551.896+/-0.087 χ^2/NDF: 2092492.6/33

All: 548.180+/-0.060 χ^2/NDF: 4448618.3/69

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



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

Left Out: -179.729+/-205.777 χ^2/NDF:14.2/17

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

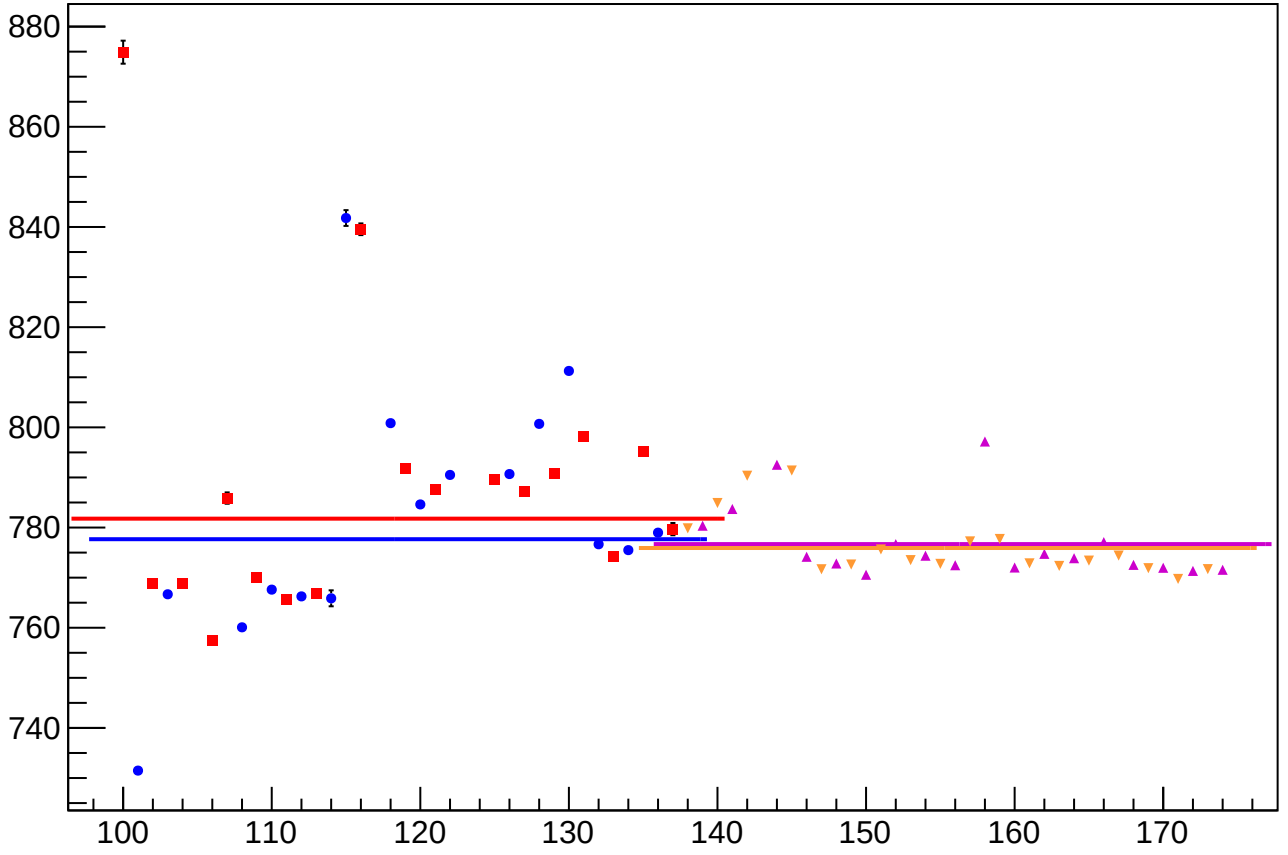
Left In: 287.788+/-201.338 χ^2/NDF:17.5/17

+ sign -270.996+/-167.616 χ^2/NDF: 21.7/33

All: -39.561+/-117.597 χ^2/NDF: 55.5/69

- 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: 775.917+/-0.146 χ^2/NDF:1590.3/17

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

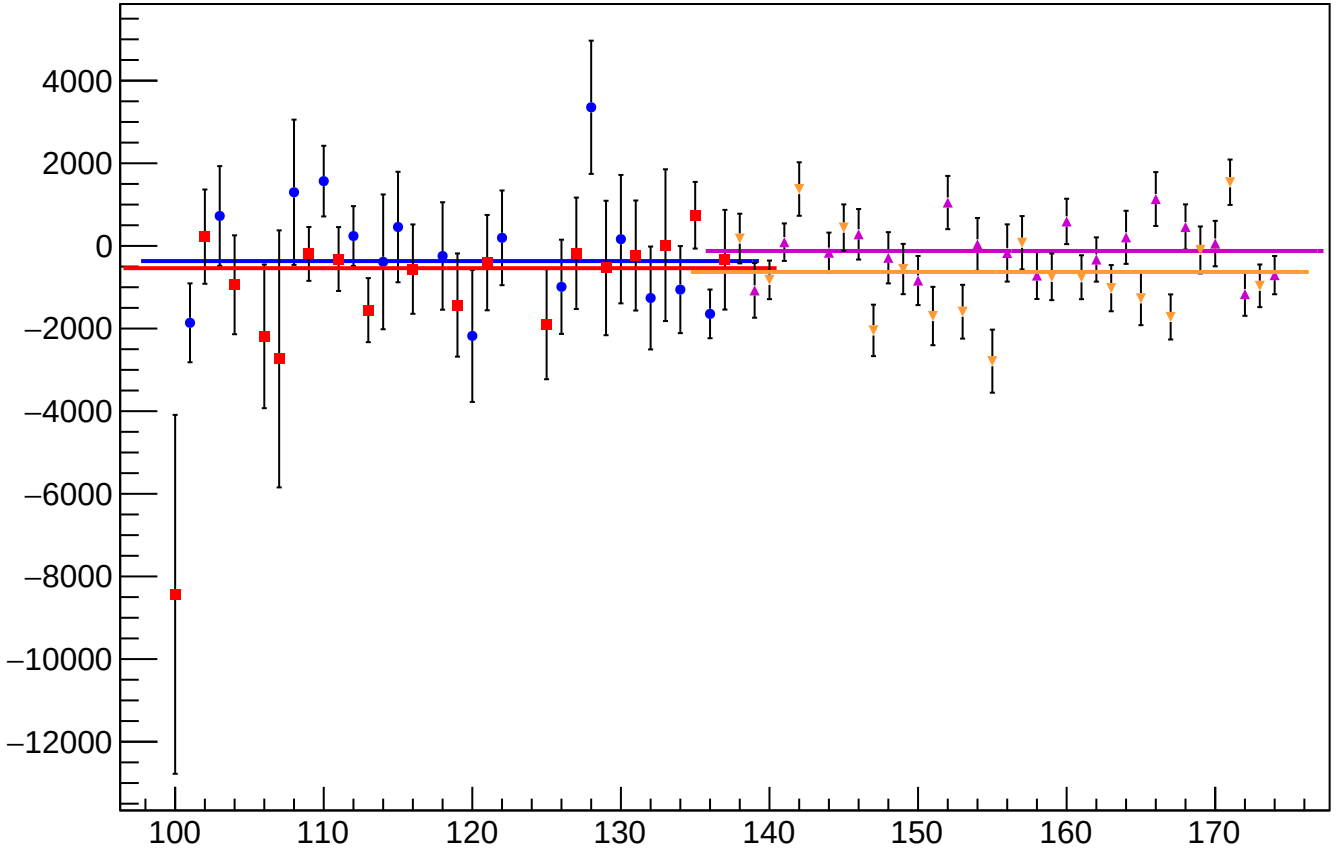
Left In: 776.697+/-0.142 χ^2/NDF:2653.8/17

+ sign 776.509+/-0.119 χ^2/NDF: 13694.8/33

All: 777.451+/-0.083 χ^2/NDF: 24517.1/69

- 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: -629.725+/-138.107 χ^2/NDF:56.6/17

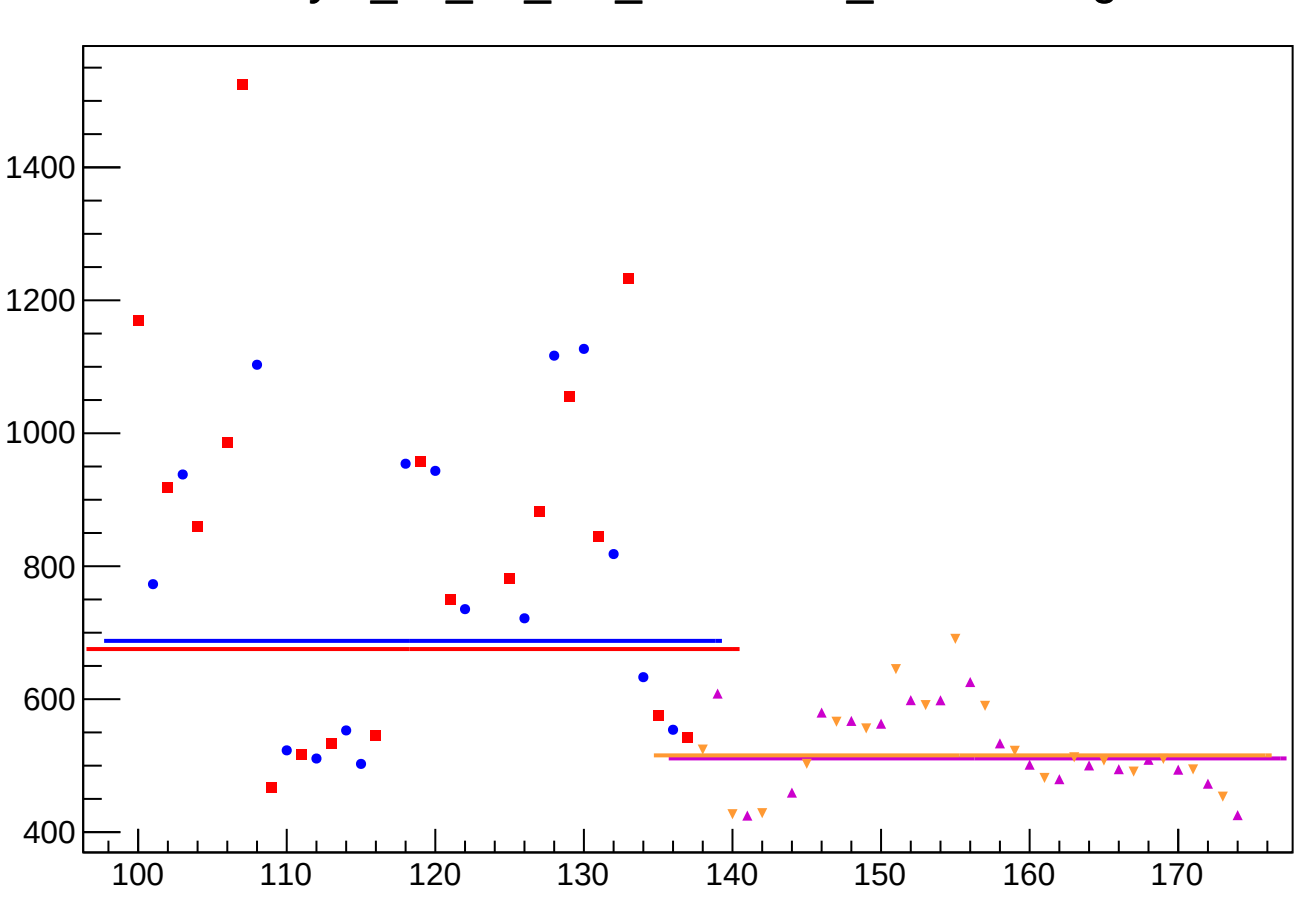
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

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

+ sign -574.173+/-122.639 χ^2/NDF: 80.6/33

All: -385.662+/-85.453 χ^2/NDF: 120.2/69

- 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: 515.474+/-0.098 χ^2/NDF:402780.1/17

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

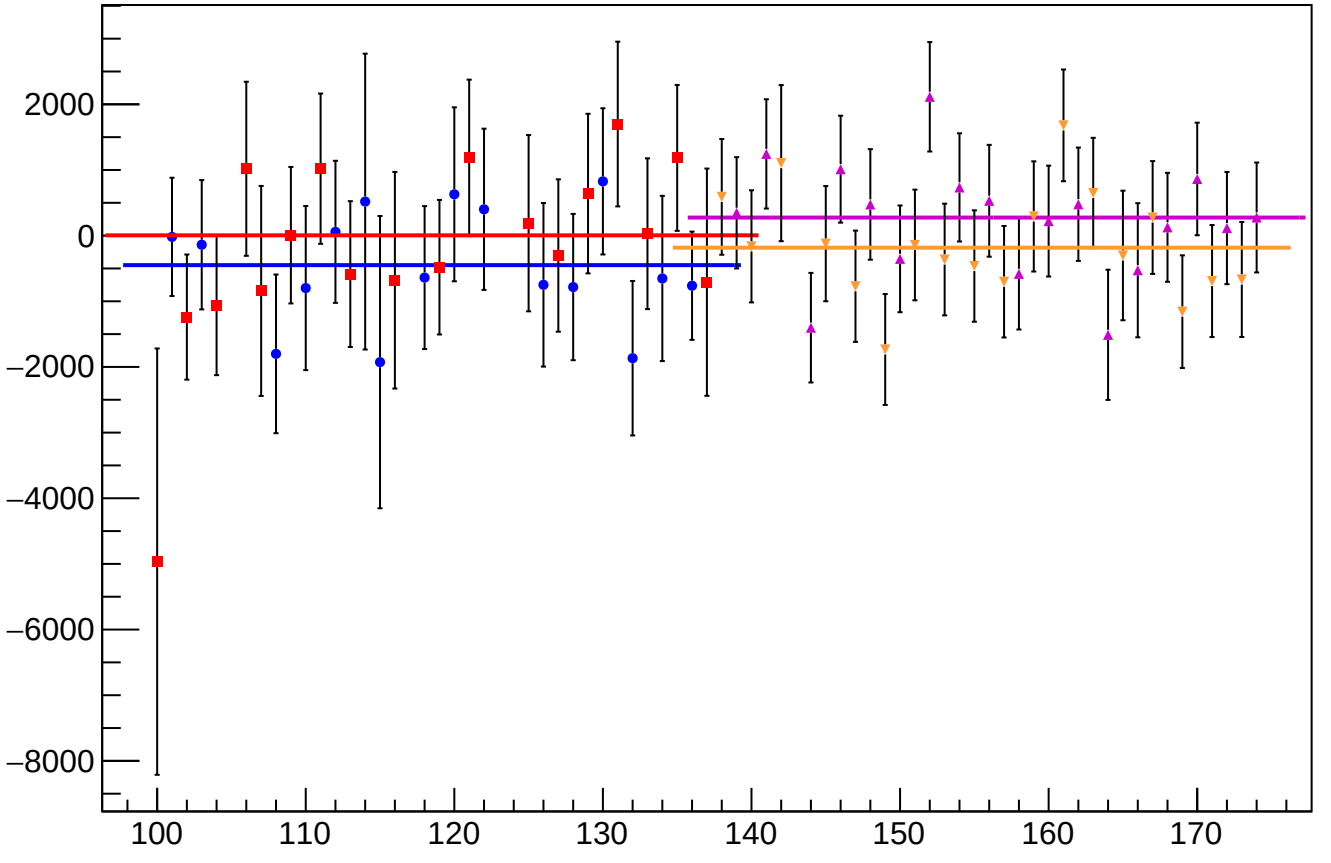
Left In: 510.891+/-0.095 χ^2/NDF:417200.7/17

+ sign 551.896+/-0.087 χ^2/NDF: 2092492.6/33

All: 548.180+/-0.060 χ^2/NDF: 4448618.3/69

- 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: -183.505+/-205.588 χ^2/NDF:14.7/17

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

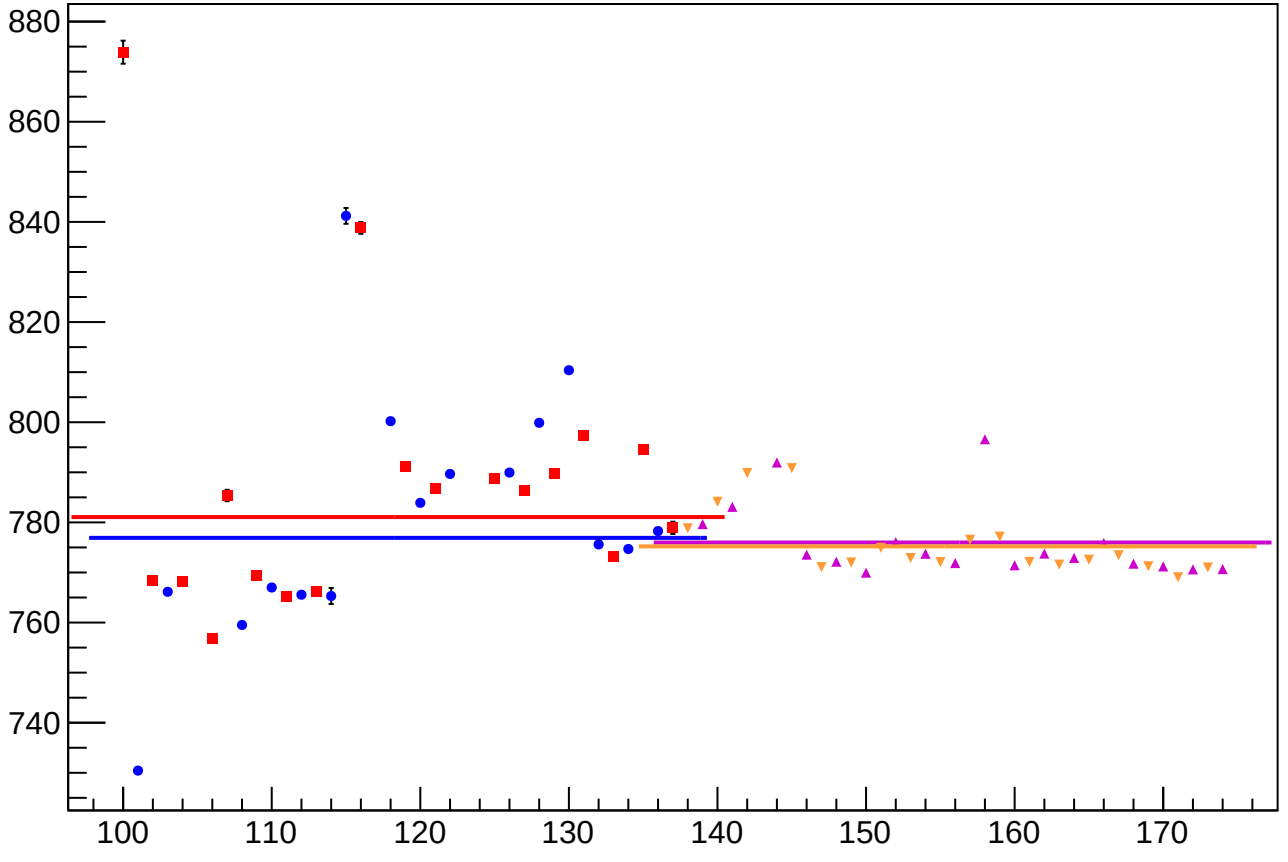
Left In: 275.170+/-201.153 χ^2/NDF:17.6/17

+ sign -272.996+/-167.460 χ^2/NDF: 22.0/33

All: -39.731+/-117.488 χ^2/NDF: 55.9/69

- 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: 775.208+/-0.145 χ^2/NDF:1605.3/17

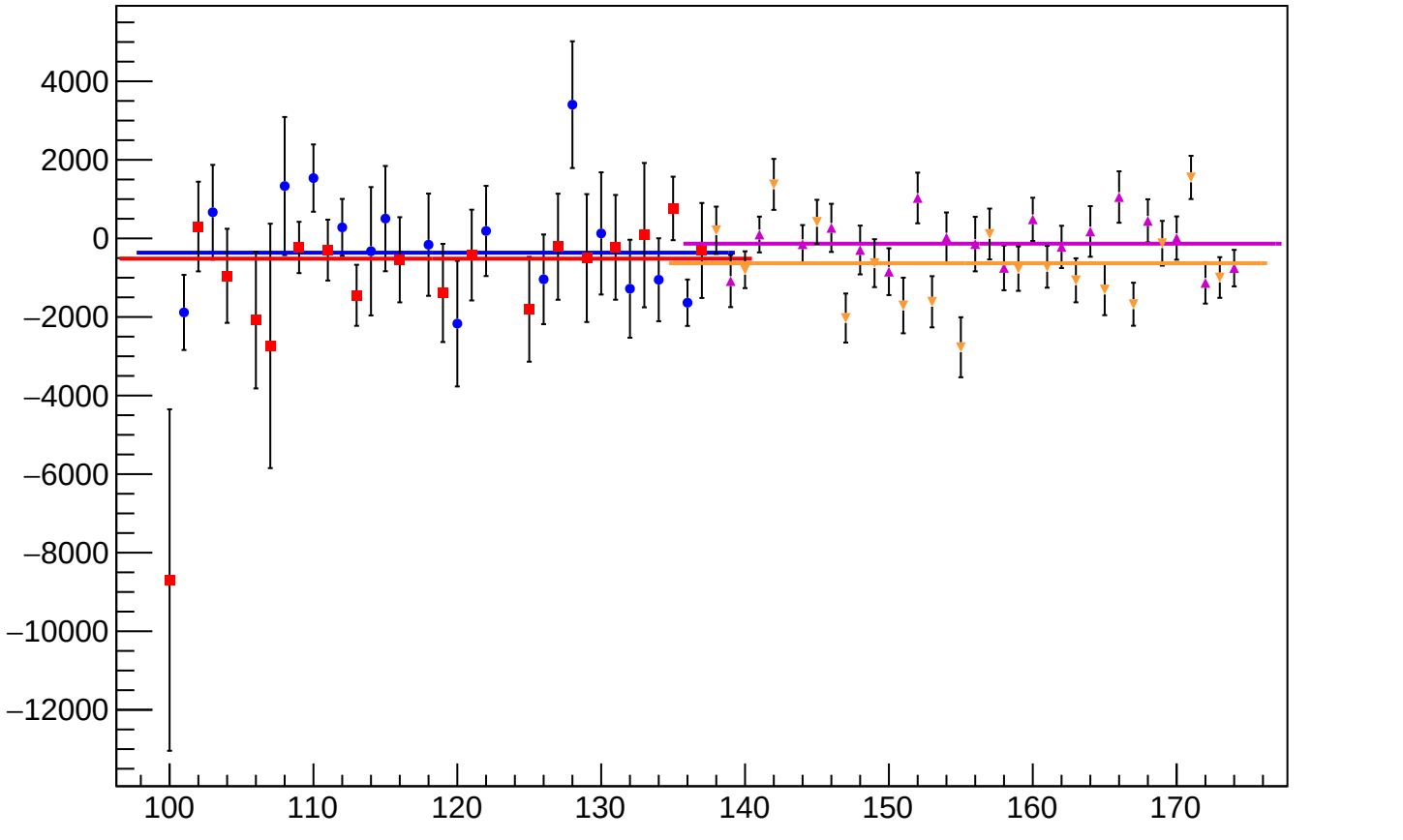
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

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

+ sign 775.782+/-0.118 χ^2/NDF: 13775.2/33

All: 776.730+/-0.083 χ^2/NDF: 24598.9/69

- 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: -632.528+/-138.411 χ^2/NDF:56.3/17

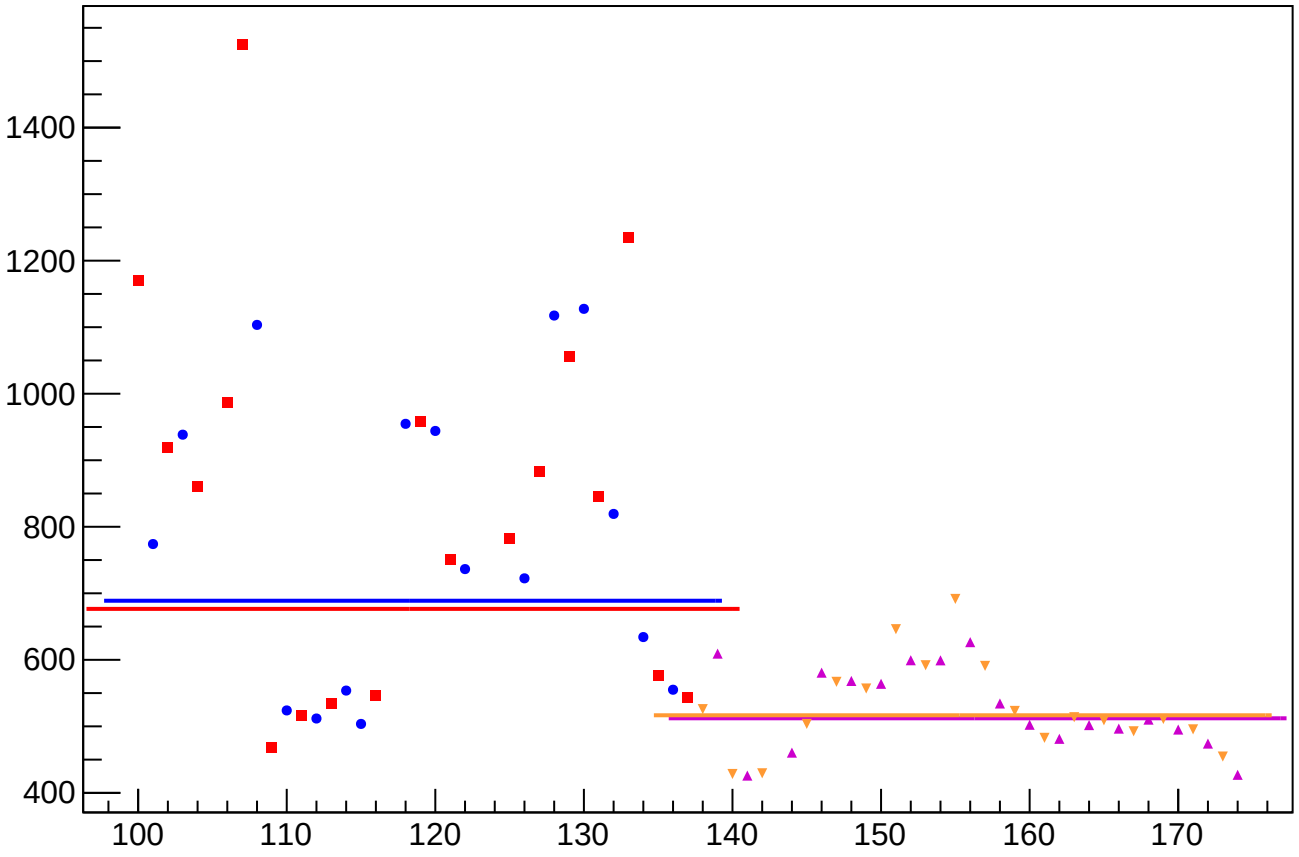
Right Out: -515.295+/-263.302 χ^2/NDF: 11.4/17

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

+ sign -575.428+/-122.890 χ^2/NDF: 80.5/33

All: -388.624+/-85.632 χ^2/NDF: 118.1/69

- 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: 516.655+/-0.098 χ^2/NDF:399347.4/17

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

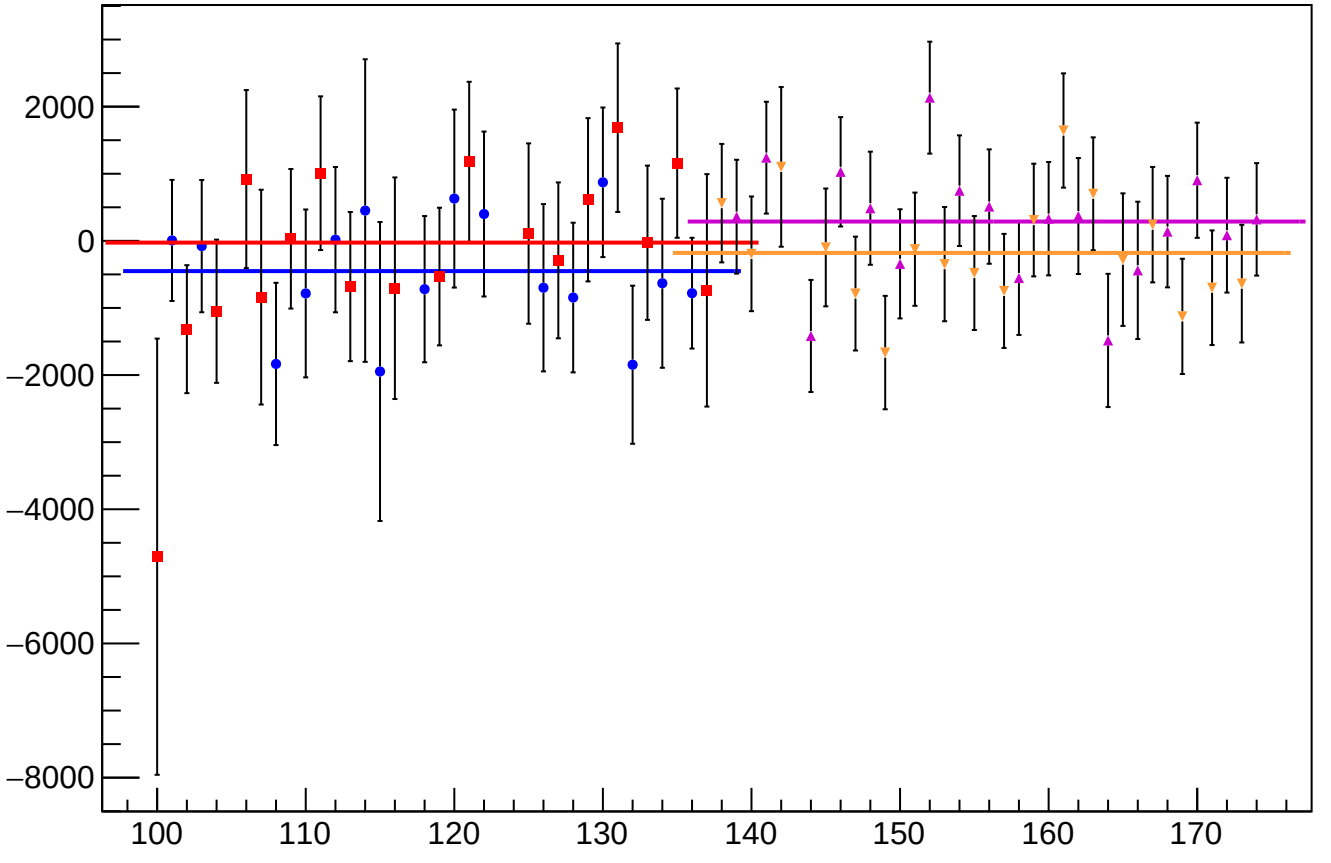
Left In: 512.111+/-0.095 χ^2/NDF:412814.4/17

+ sign 553.105+/-0.087 χ^2/NDF: 2082628.7/33

All: 549.411+/-0.061 χ^2/NDF: 4426846.9/69

- 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: -179.729+/-205.777 χ^2/NDF:14.2/17

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

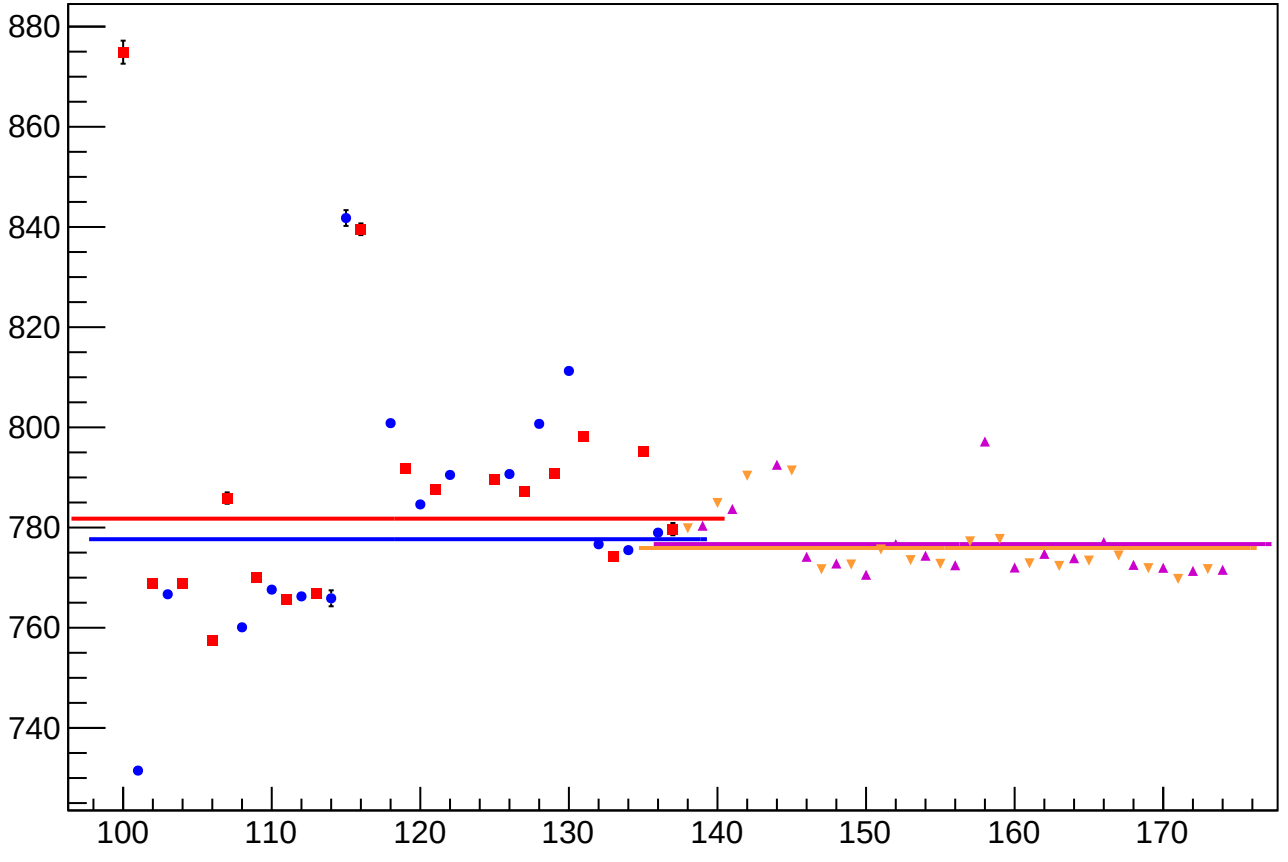
Left In: 287.788+/-201.338 χ^2/NDF:17.5/17

+ sign -270.996+/-167.616 χ^2/NDF: 21.7/33

All: -39.561+/-117.597 χ^2/NDF: 55.5/69

- 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: 775.917+/-0.146 χ^2/NDF:1590.3/17

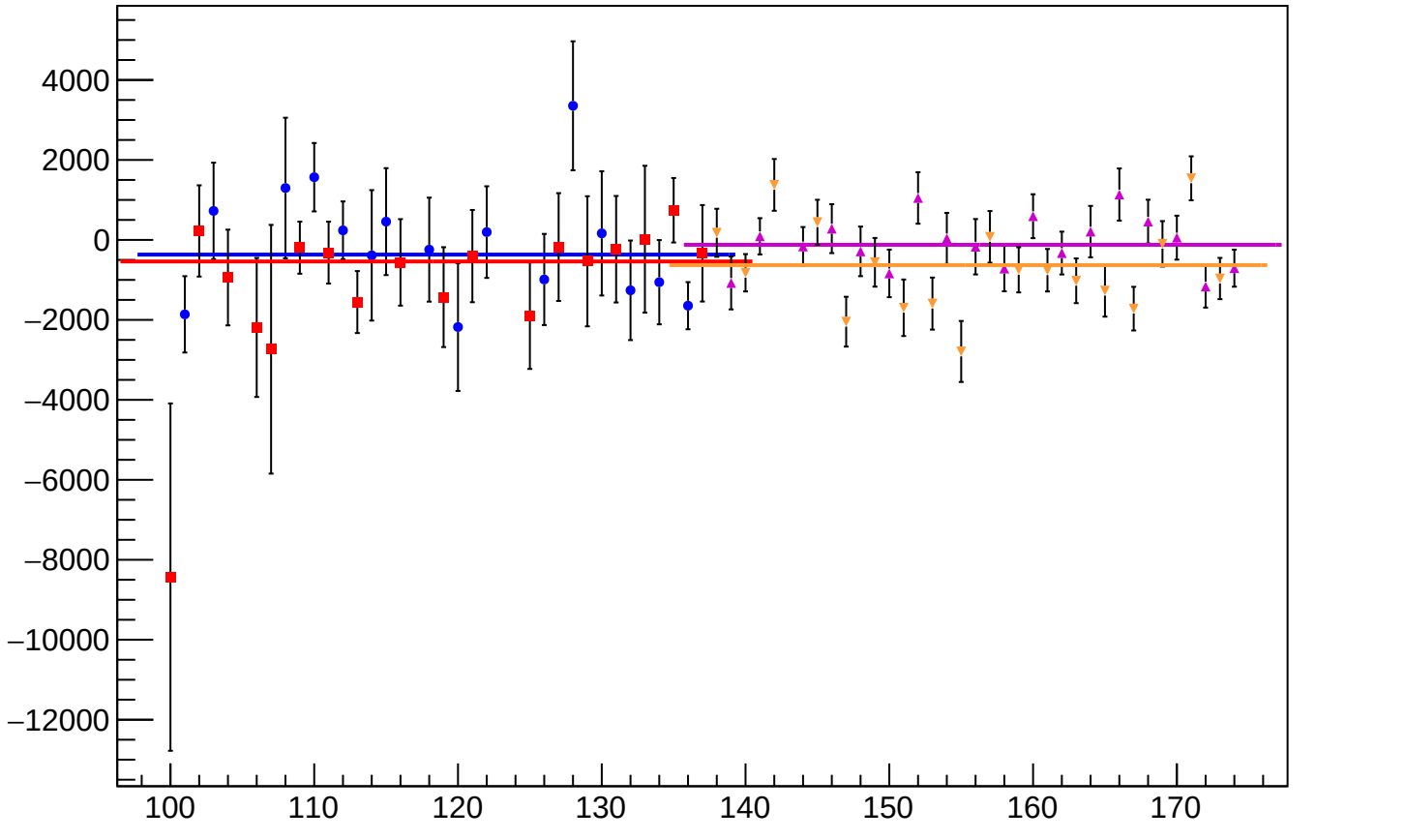
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

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

+ sign 776.509+/-0.119 χ^2/NDF: 13694.8/33

All: 777.451+/-0.083 χ^2/NDF: 24517.1/69

- 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: -629.725+/-138.107 χ^2/NDF:56.6/17

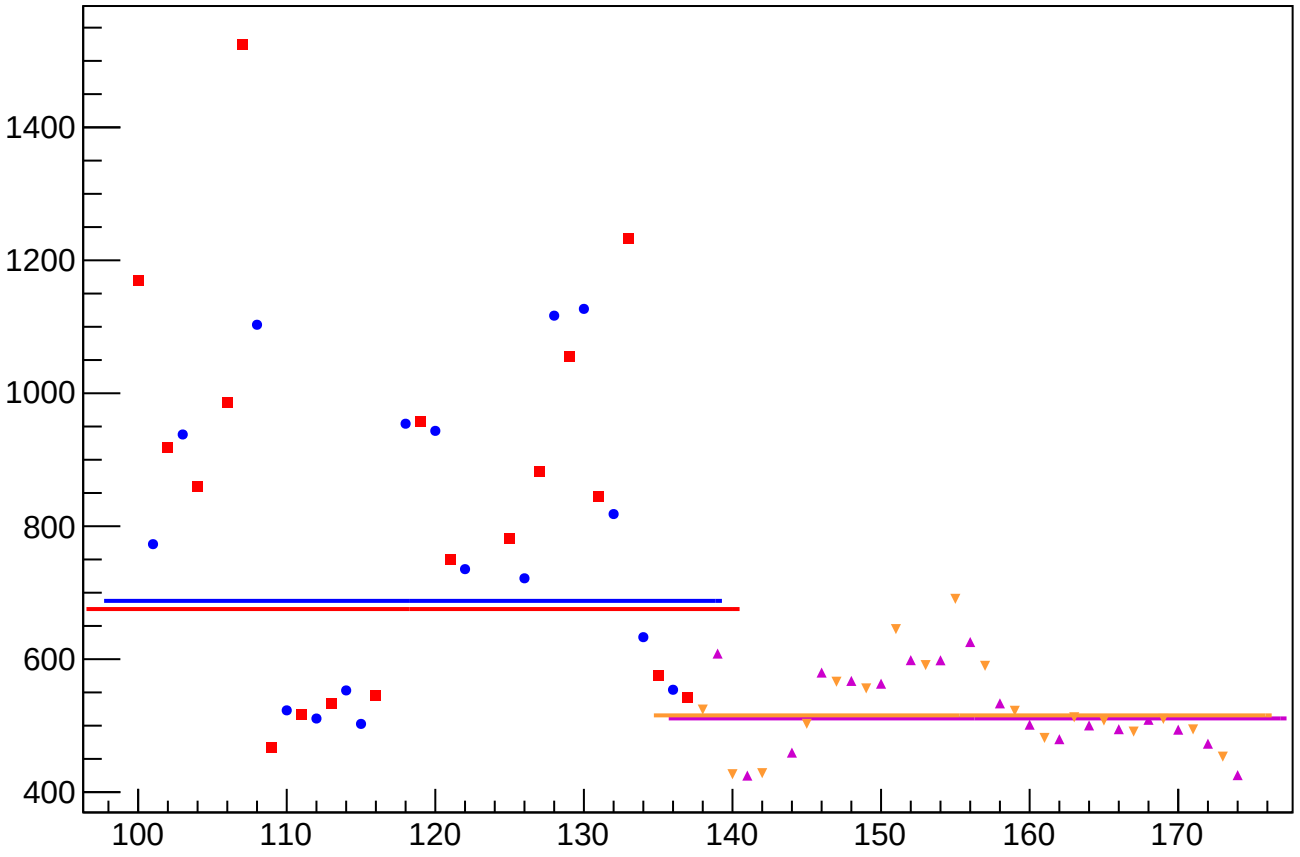
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

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

+ sign -574.173+/-122.639 χ^2/NDF: 80.6/33

All: -385.662+/-85.453 χ^2/NDF: 120.2/69

- 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: 515.474+/-0.098 χ^2/NDF:402780.1/17

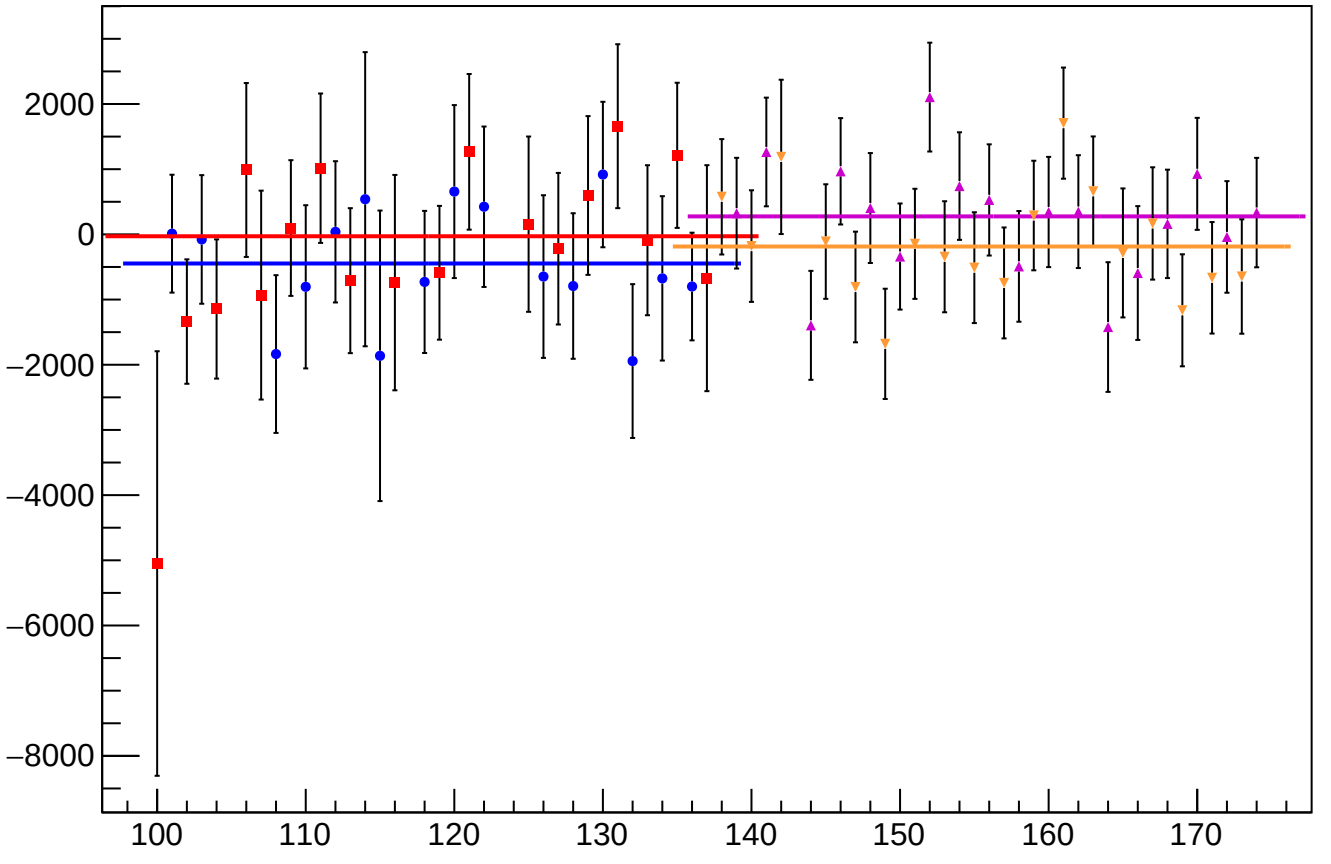
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

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

+ sign 551.896+/-0.087 χ^2/NDF: 2092492.6/33

All: 548.180+/-0.060 χ^2/NDF: 4448618.3/69

- 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: -186.158+/-205.955 χ^2/NDF:14.7/17

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

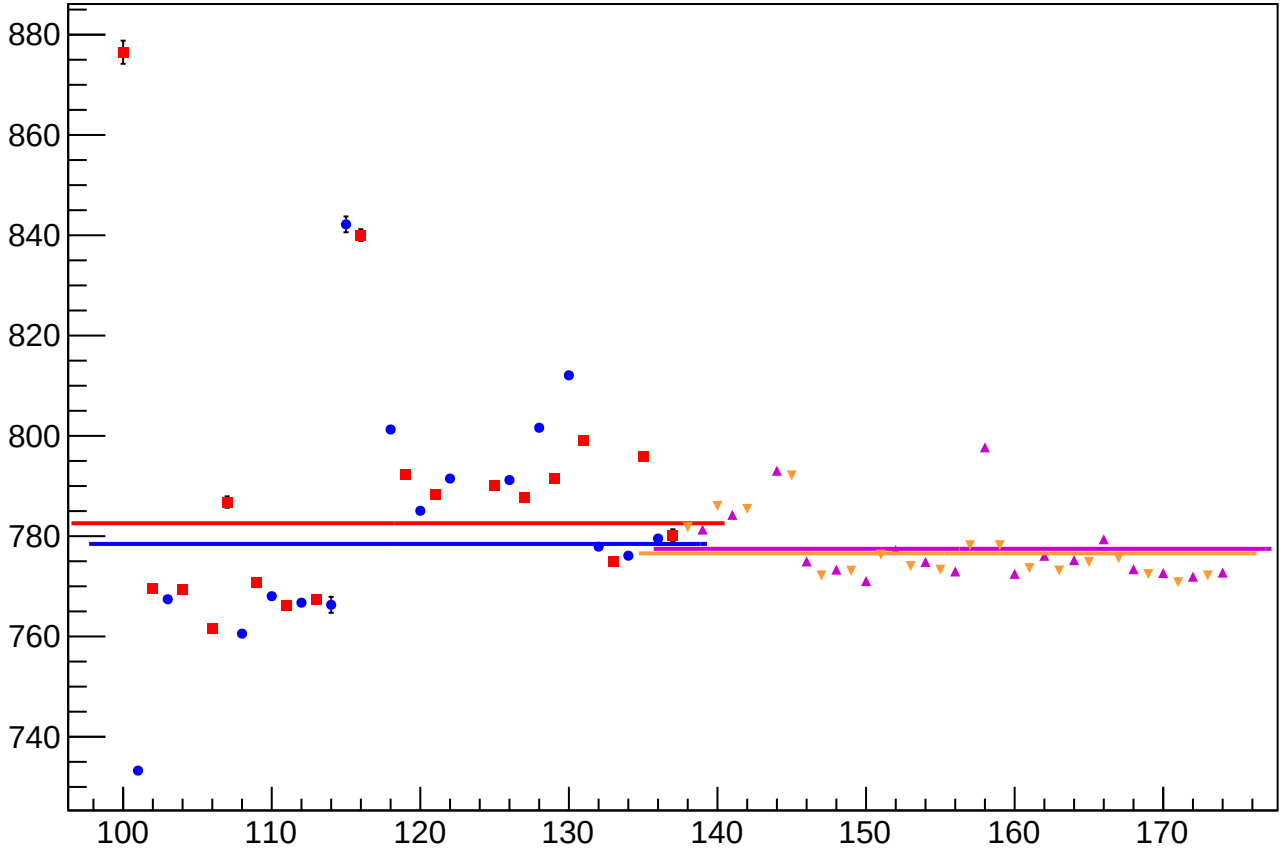
Left In: 275.986+/-201.540 χ^2/NDF:17.1/17

+ sign -273.801+/-167.769 χ^2/NDF: 22.5/33

All: -45.436+/-117.710 χ^2/NDF: 56.7/69

- 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: 776.569+/-0.146 χ^2/NDF:1452.5/17

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

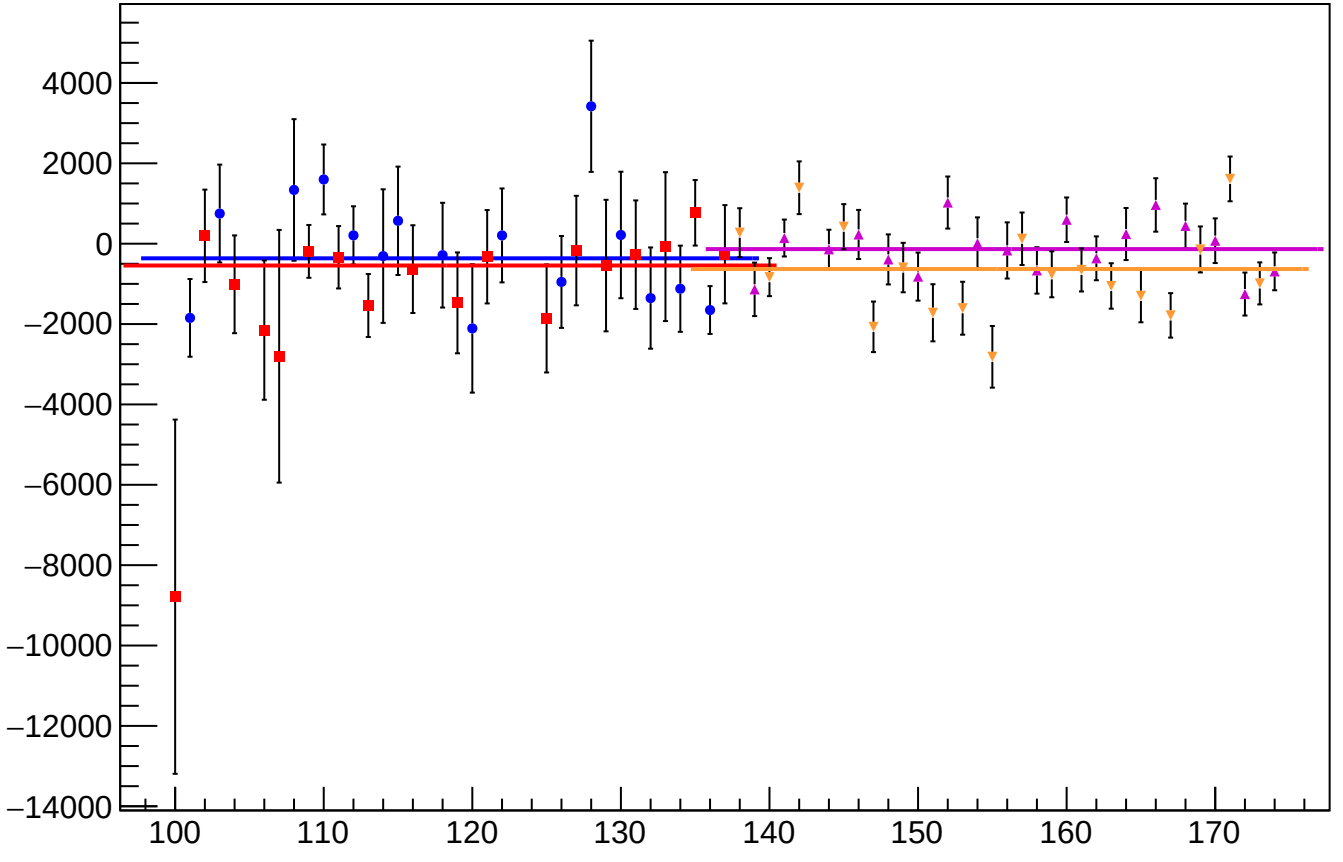
Left In: 777.473+/-0.143 χ^2/NDF:2622.9/17

+ sign 777.204+/-0.119 χ^2/NDF: 13304.2/33

All: 778.191+/-0.083 χ^2/NDF: 23965.5/69

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

asym_us_dd_dit_correction_mean vs Slug



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

Left Out: -630.354+/-139.577 χ^2/NDF:58.0/17

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

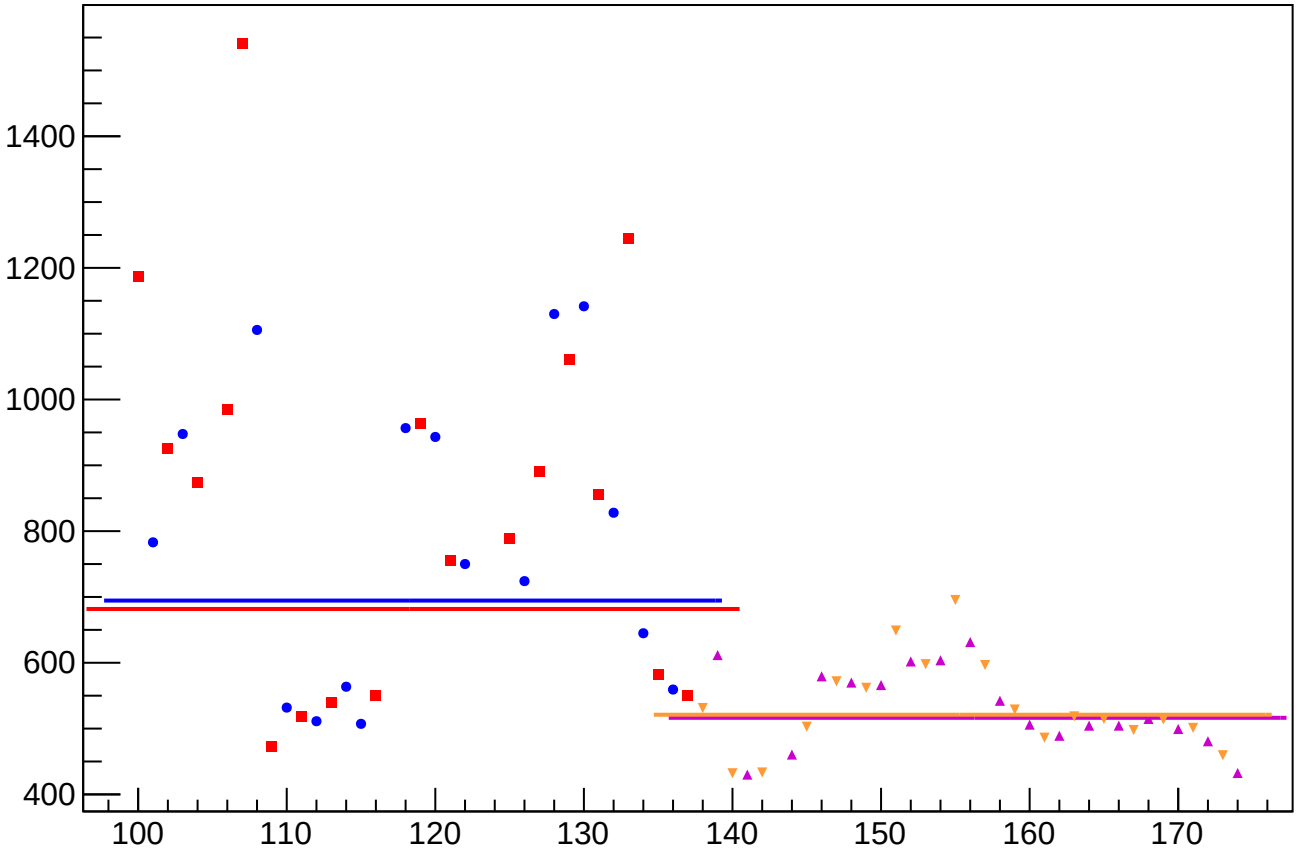
Left In: -134.663+/-135.018 χ^2/NDF:20.5/17

+ sign -573.954+/-123.923 χ^2/NDF: 82.1/33

All: -391.077+/-86.328 χ^2/NDF: 120.5/69

- 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: 521.077+/-0.099 χ^2/NDF:396051.4/17

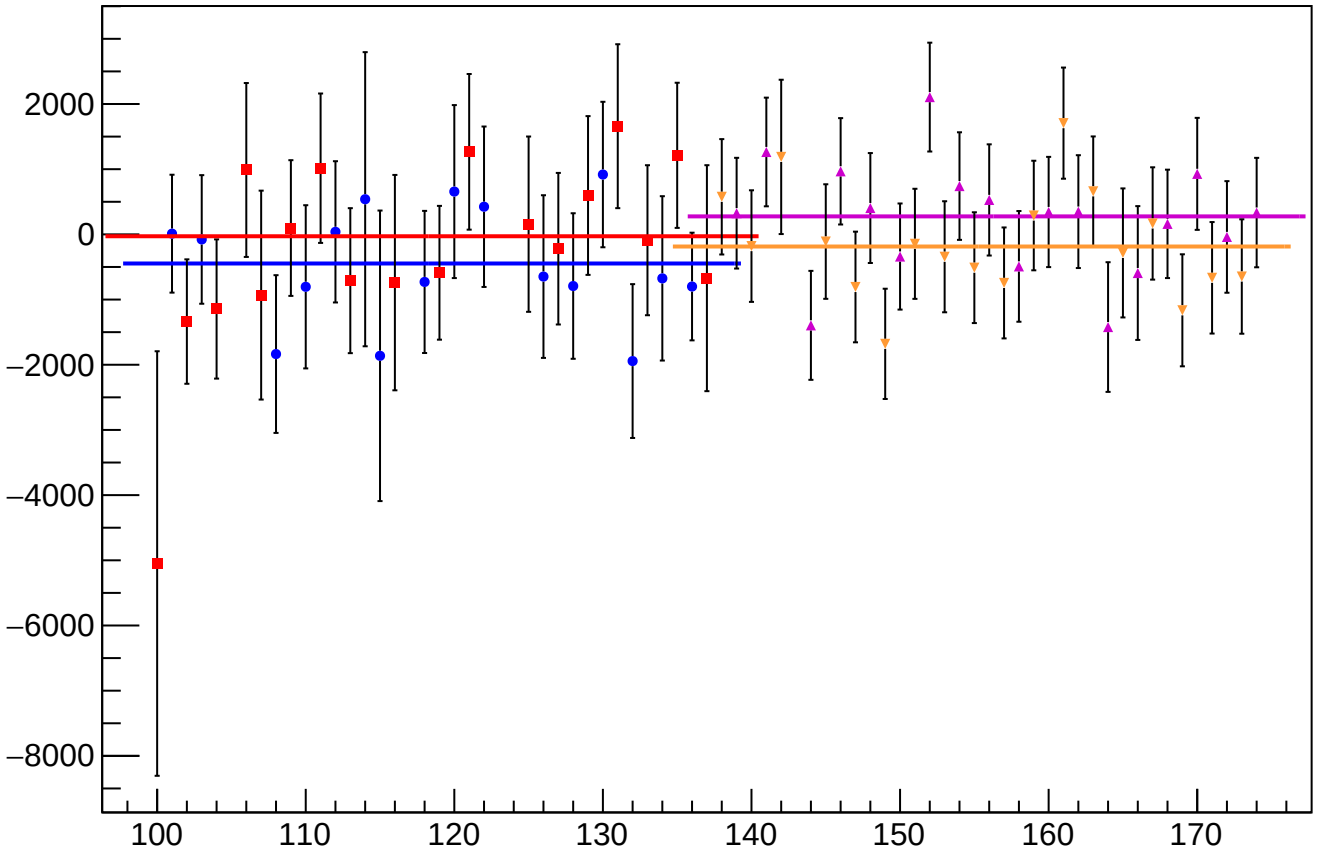
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

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

+ sign 557.801+/-0.088 χ^2/NDF: 2079828.3/33

All: 553.994+/-0.061 χ^2/NDF: 4411151.9/69

- 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: -186.159+/-205.955 χ^2/NDF:14.7/17

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

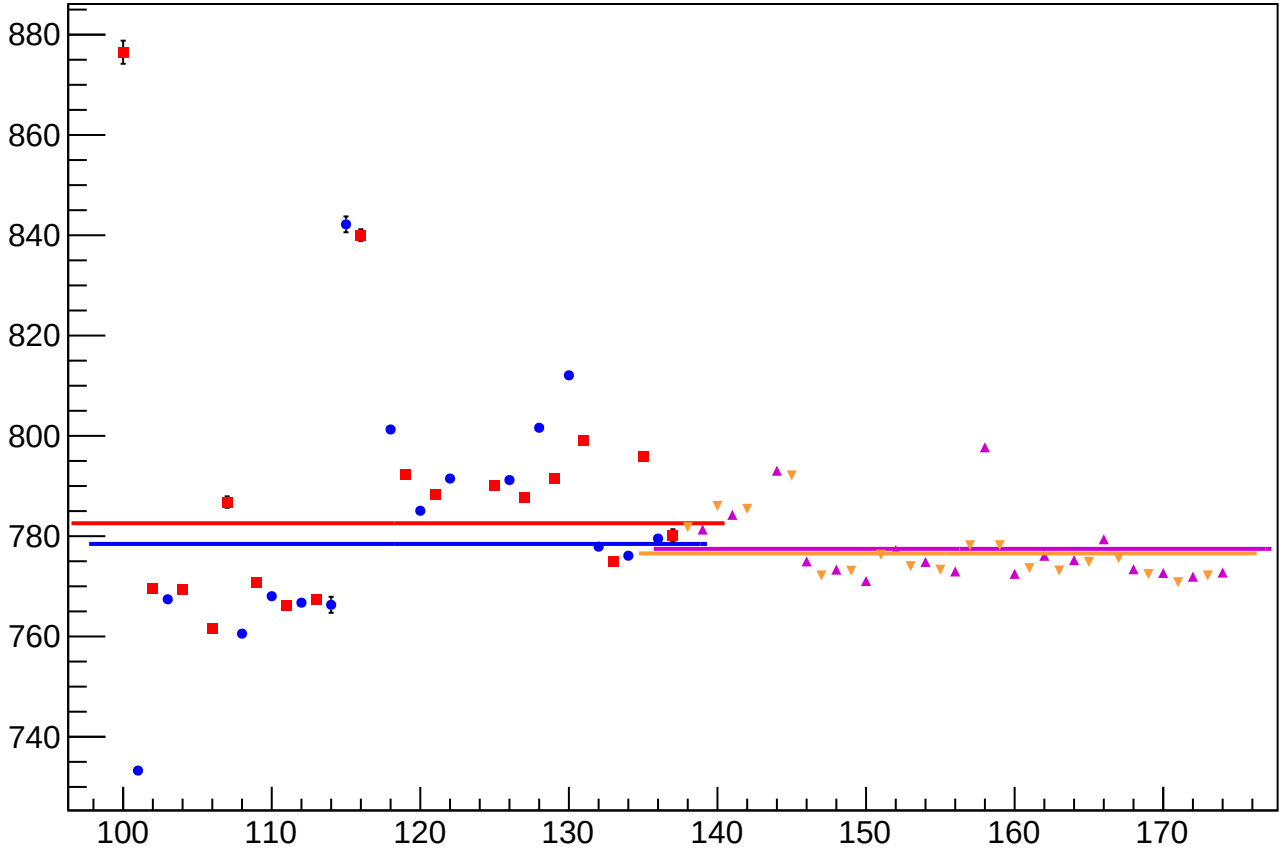
Left In: 275.986+/-201.540 χ^2/NDF:17.1/17

+ sign -273.802+/-167.769 χ^2/NDF: 22.5/33

All: -45.437+/-117.710 χ^2/NDF: 56.7/69

- 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: 776.569+/-0.146 χ^2/NDF:1452.5/17

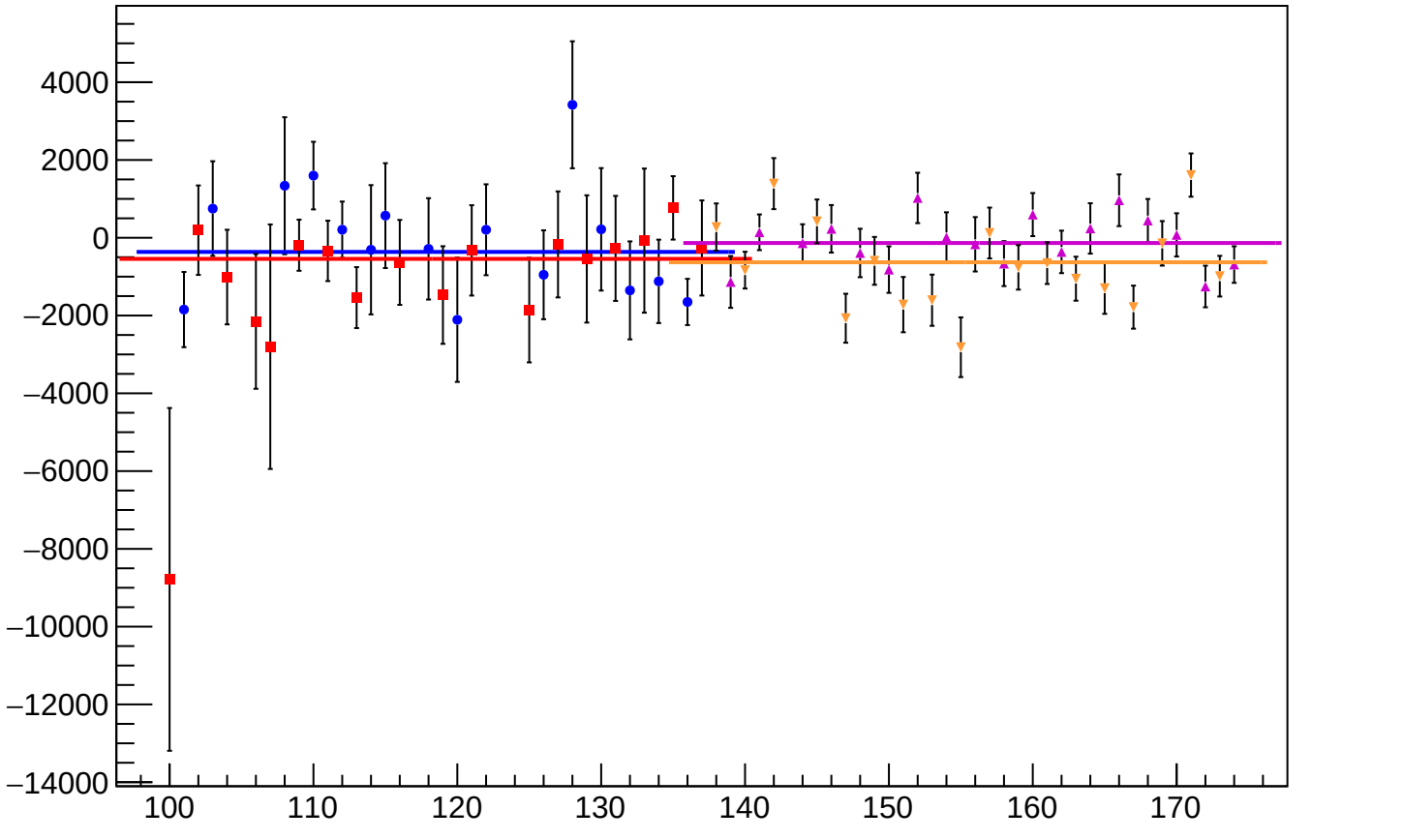
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

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

+ sign 777.204+/-0.119 χ^2/NDF: 13304.2/33

All: 778.191+/-0.083 χ^2/NDF: 23965.4/69

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



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

Left Out: -630.354+/-139.577 χ^2/NDF:58.0/17

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

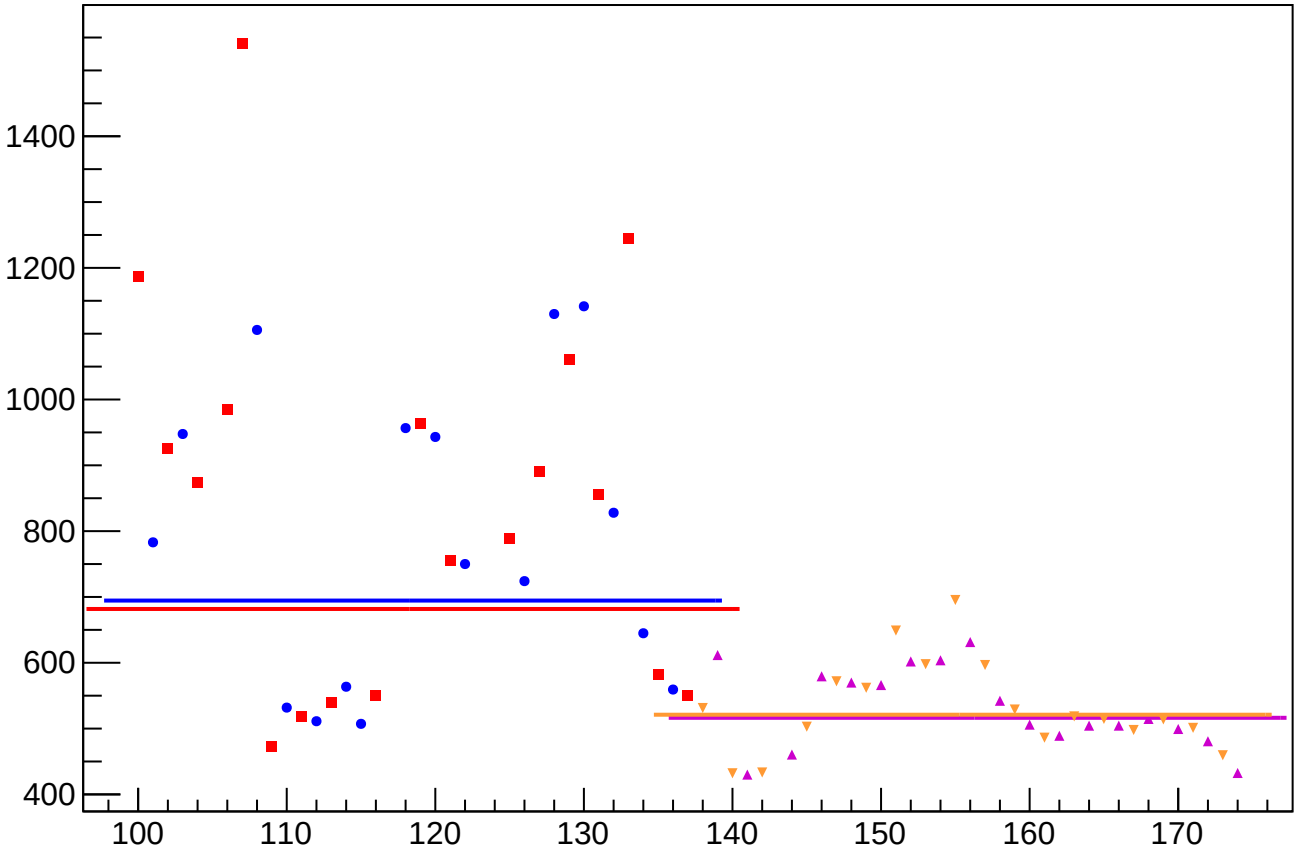
Left In: -134.662+/-135.018 χ^2/NDF:20.5/17

+ sign -573.953+/-123.923 χ^2/NDF: 82.1/33

All: -391.077+/-86.328 χ^2/NDF: 120.5/69

- 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: 521.077+/-0.099 χ^2/NDF:396063.0/17

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

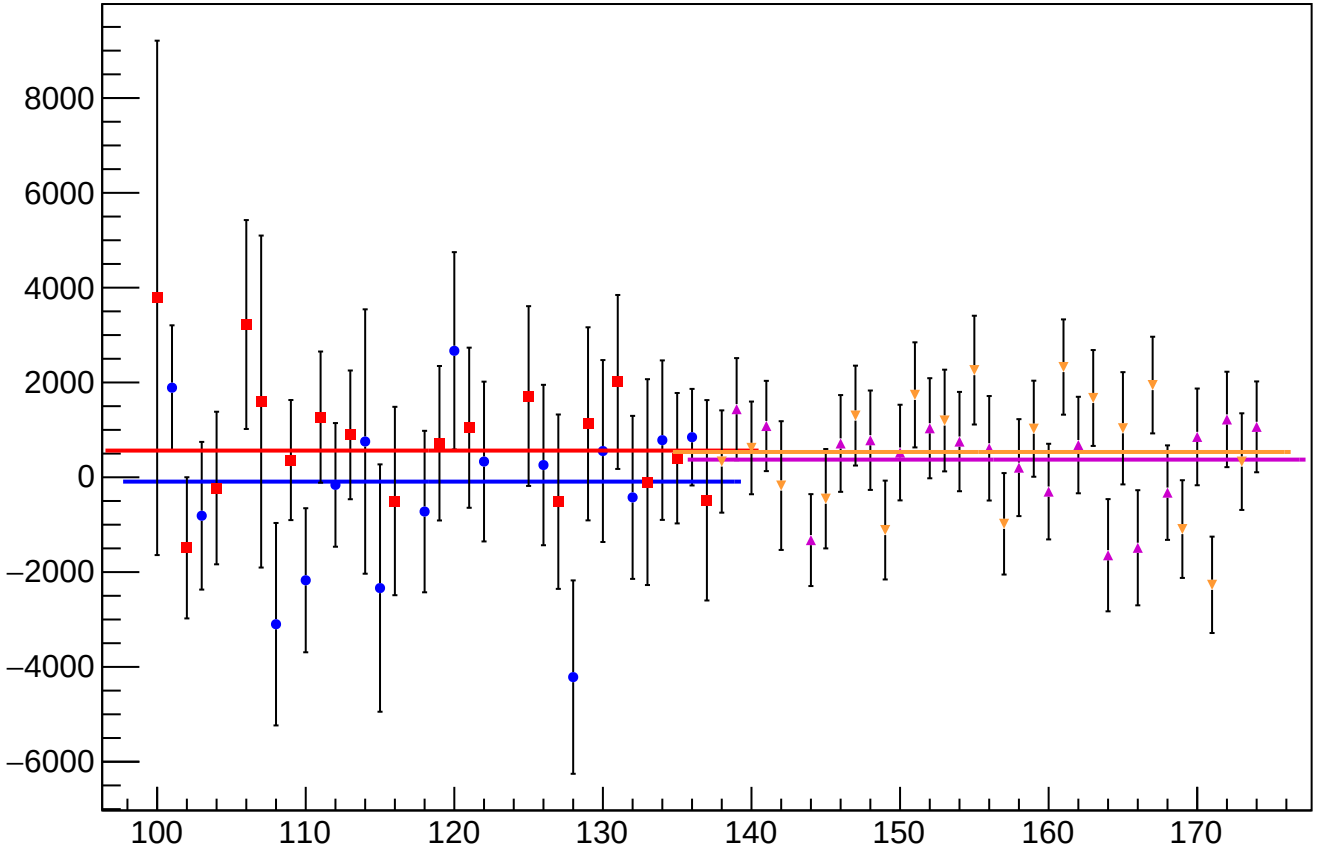
Left In: 516.381+/-0.095 χ^2/NDF:399082.0/17

+ sign 557.800+/-0.088 χ^2/NDF: 2079829.1/33

All: 553.994+/-0.061 χ^2/NDF: 4411164.0/69

- 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: 533.801+/-250.131 χ^2/NDF:27.0/17

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

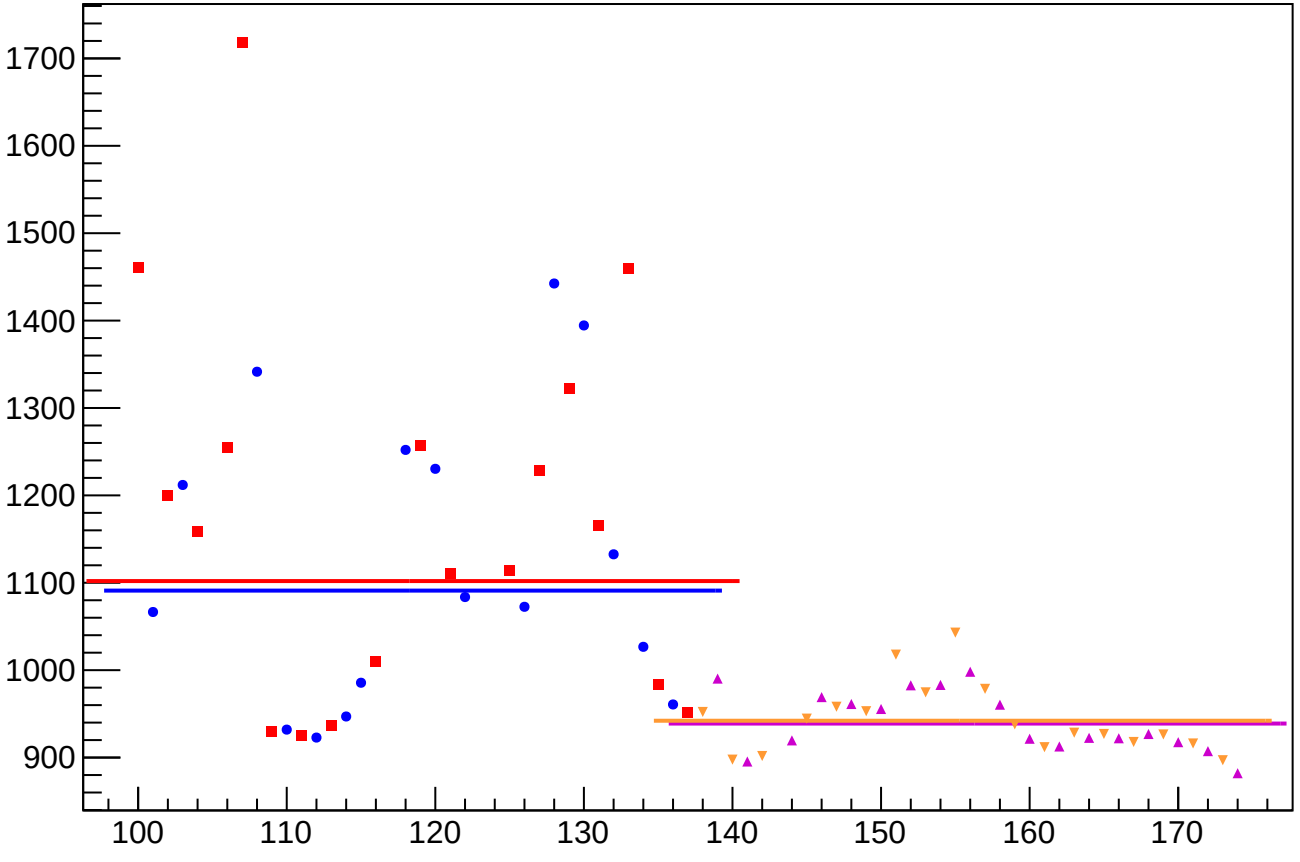
Left In: 372.694+/-243.588 χ^2/NDF:13.2/17

+ sign 364.222+/-213.524 χ^2/NDF: 43.2/33

All: 393.714+/-149.586 χ^2/NDF: 63.1/69

- 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: 942.140+/-0.177 χ^2/NDF:45067.3/17

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

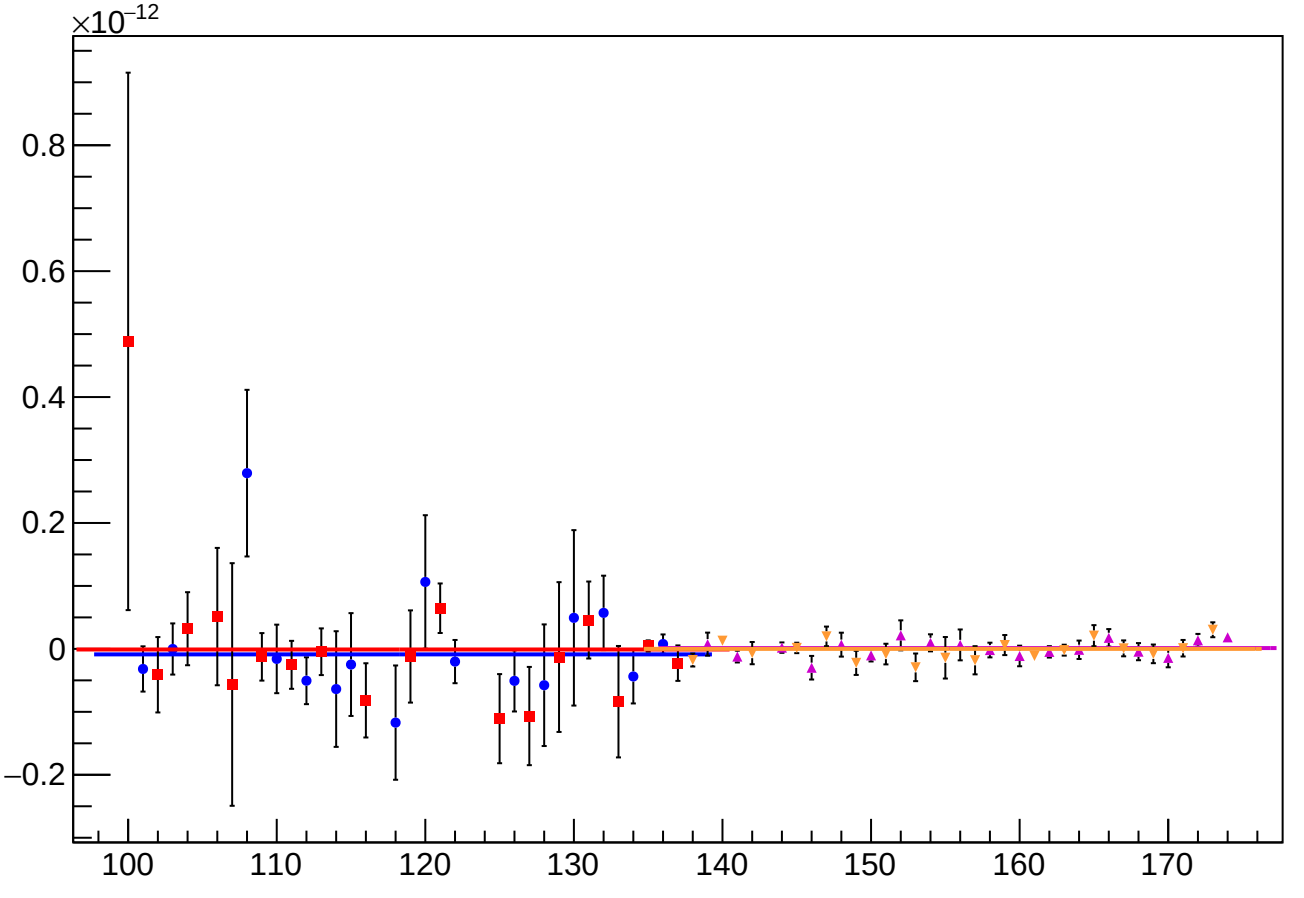
Left In: 938.907+/-0.172 χ^2/NDF:39256.9/17

\+ sign 982.534+/-0.151 χ^2/NDF: 514641.6/33

All: 981.857+/-0.106 χ^2/NDF: 1114504.3/69

\- 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:22.6/17

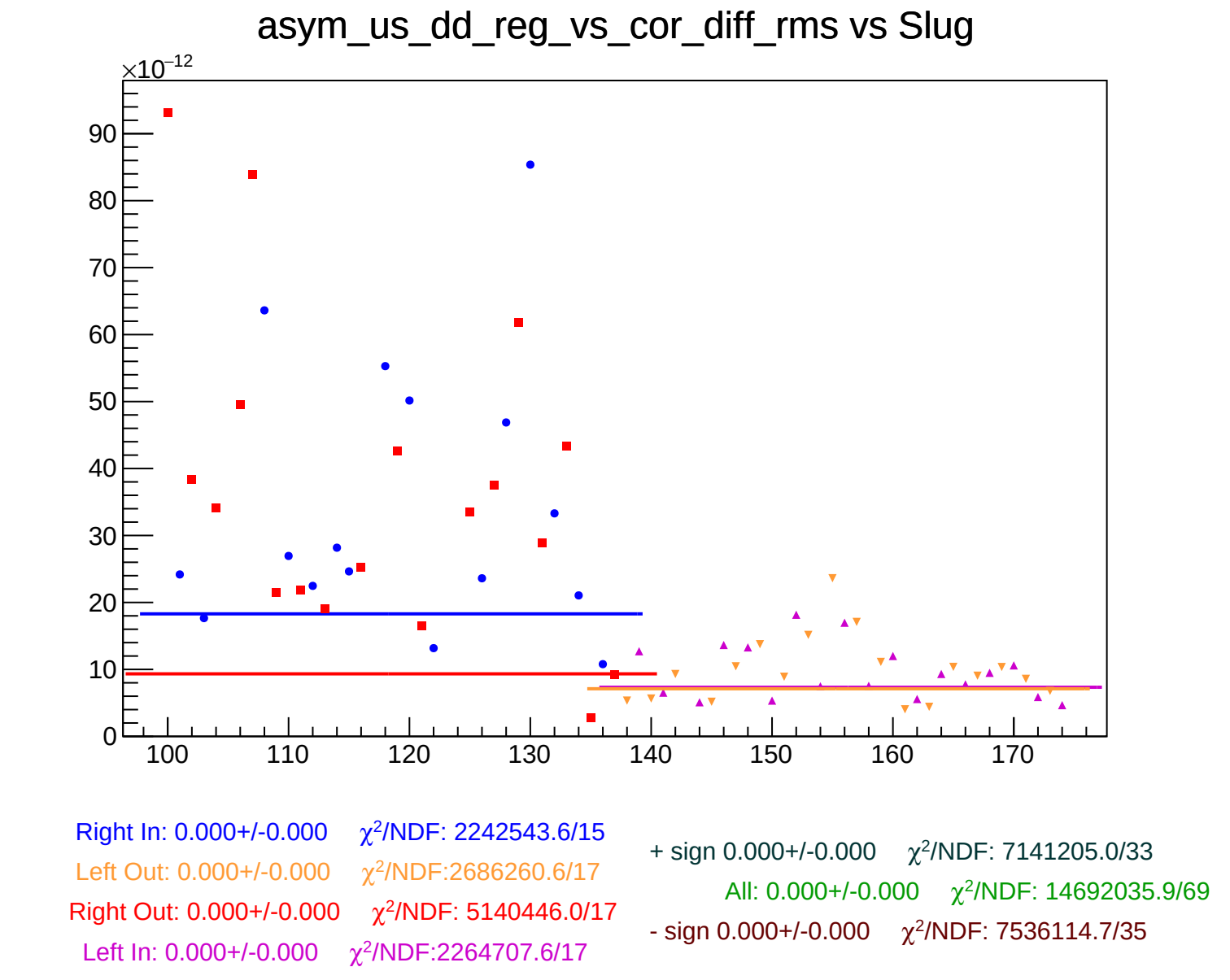
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

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

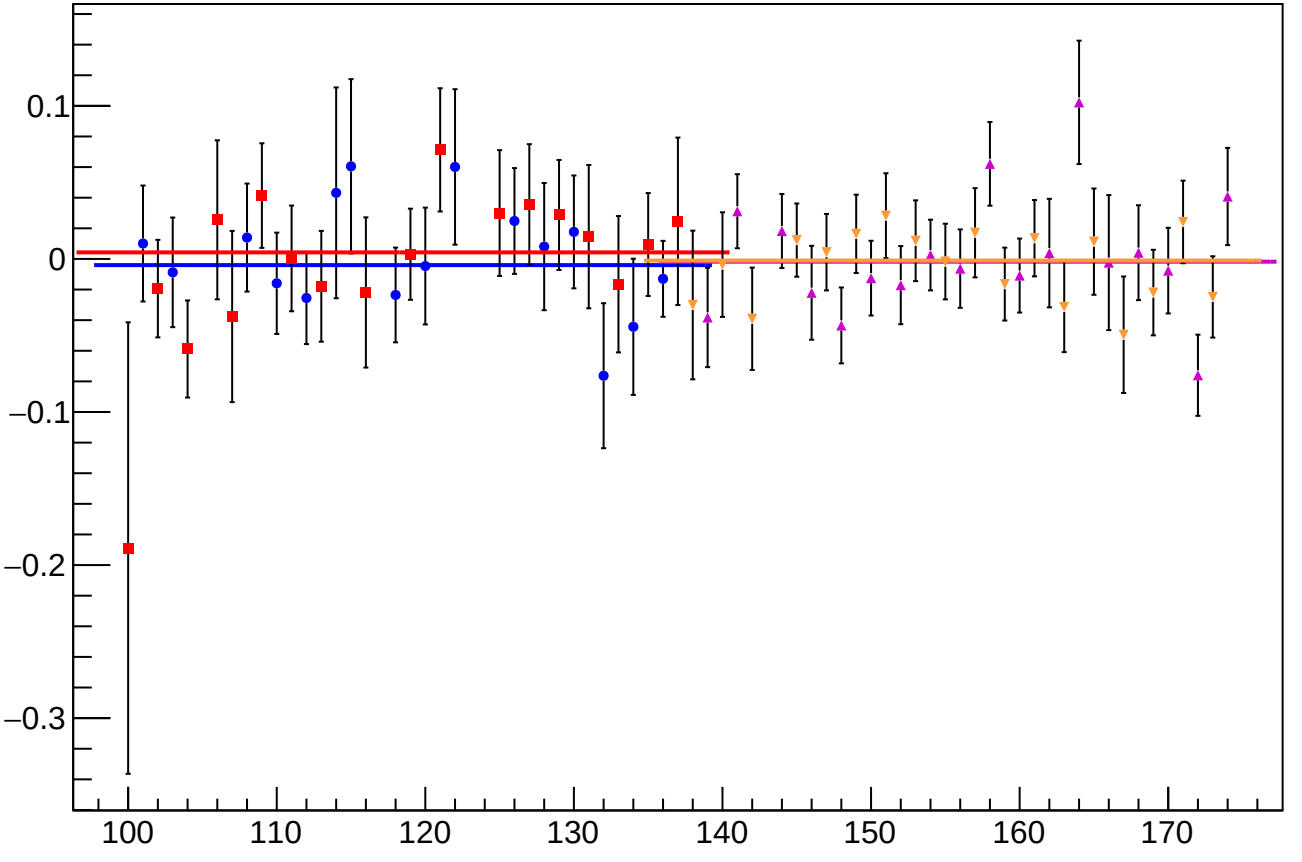
+ sign -0.000+/-0.000 χ^2/NDF: 37.1/33

All: 0.000+/-0.000 χ^2/NDF: 69.4/69

- sign 0.000+/-0.000 χ^2/NDF: 32.0/35


asym_us_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2686260.6/17
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: 7141205.0/33
All: 0.000+/-0.000 χ²/NDF: 14692035.9/69
- 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:10.0/17

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

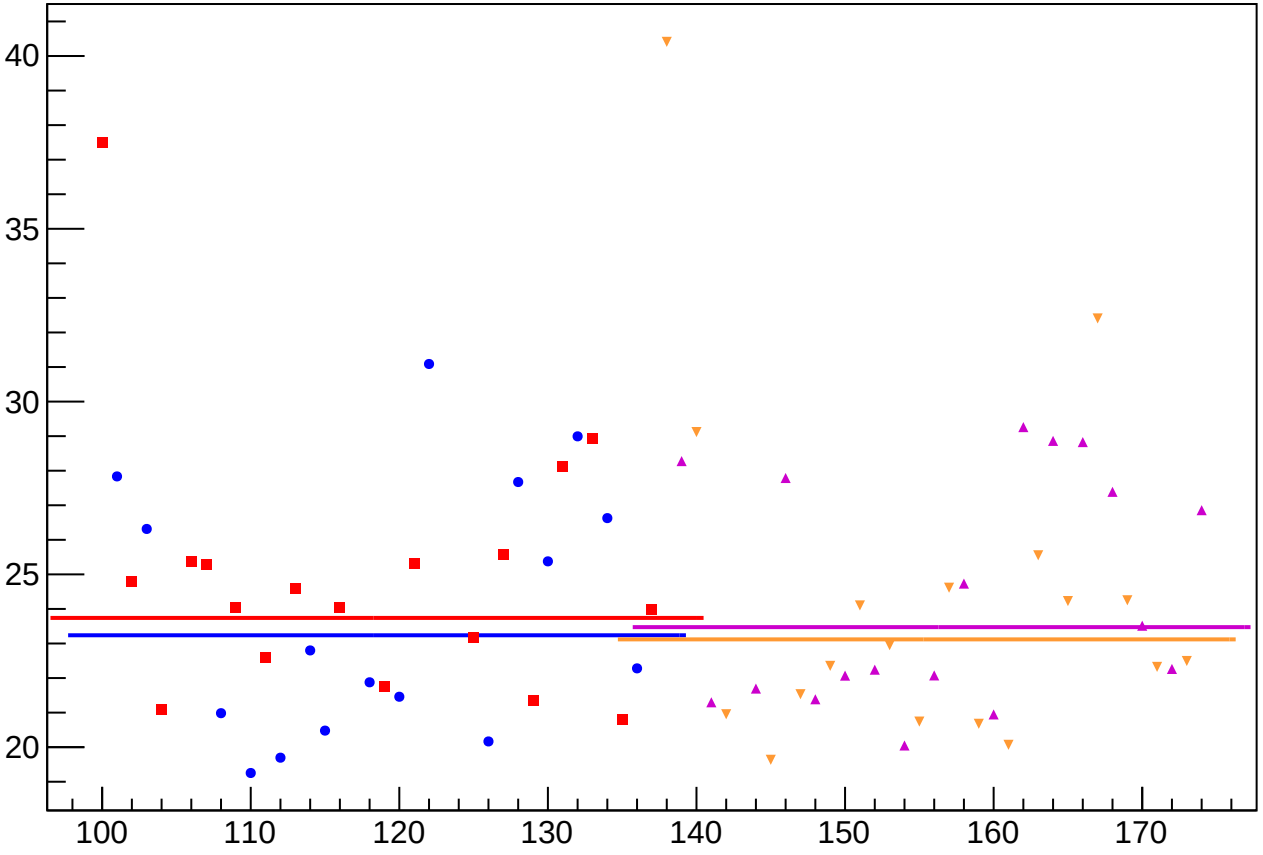
Left In: -0.002+/-0.007 χ^2/NDF:29.7/17

+ sign -0.002+/-0.005 χ^2/NDF: 19.3/33

All: -0.001+/-0.004 χ^2/NDF: 62.9/69

- 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: 23.119+/-0.005 χ^2/NDF:594121.7/17

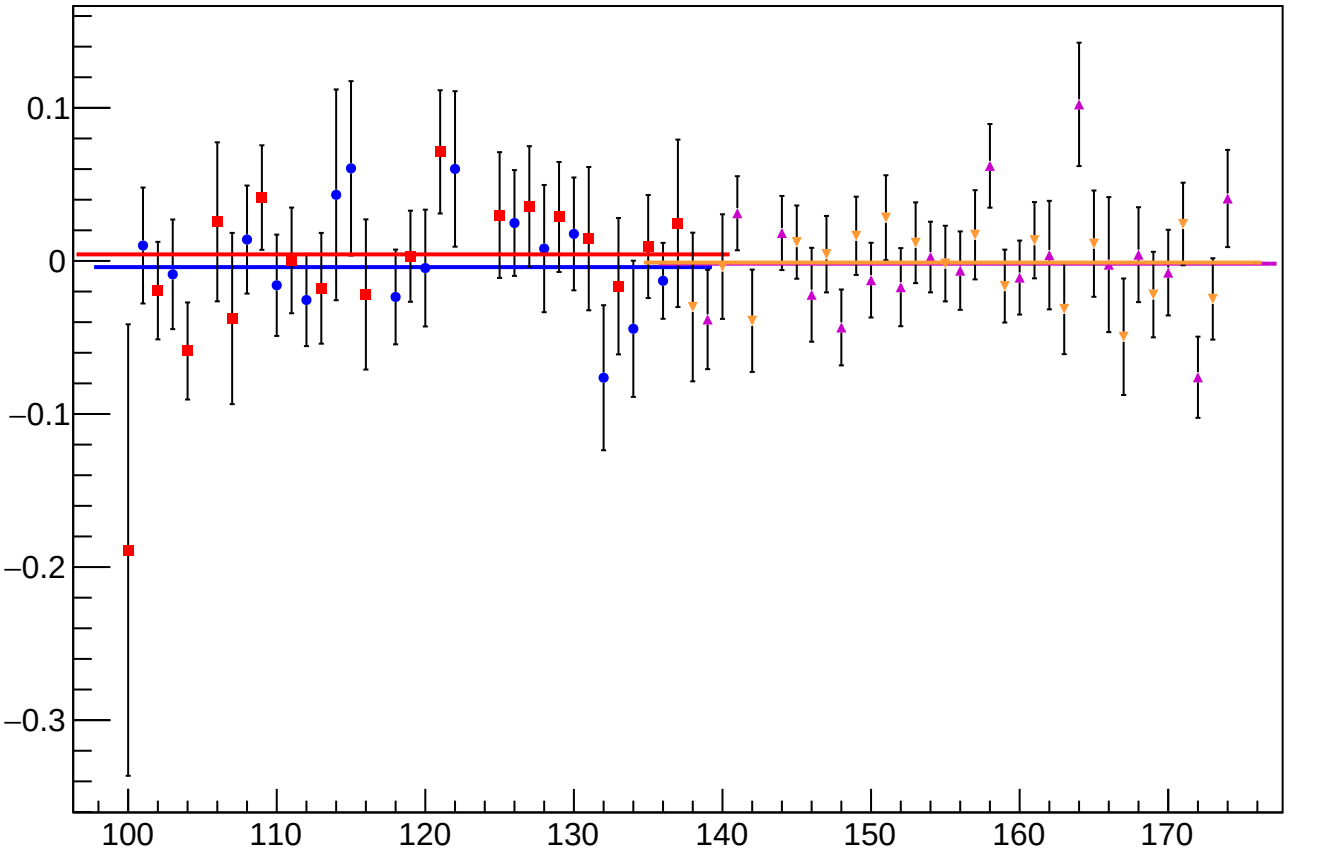
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

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

+ sign 23.159+/-0.004 χ^2/NDF: 853574.8/33

All: 23.362+/-0.003 χ^2/NDF: 1375597.3/69

- 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:10.0/17

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

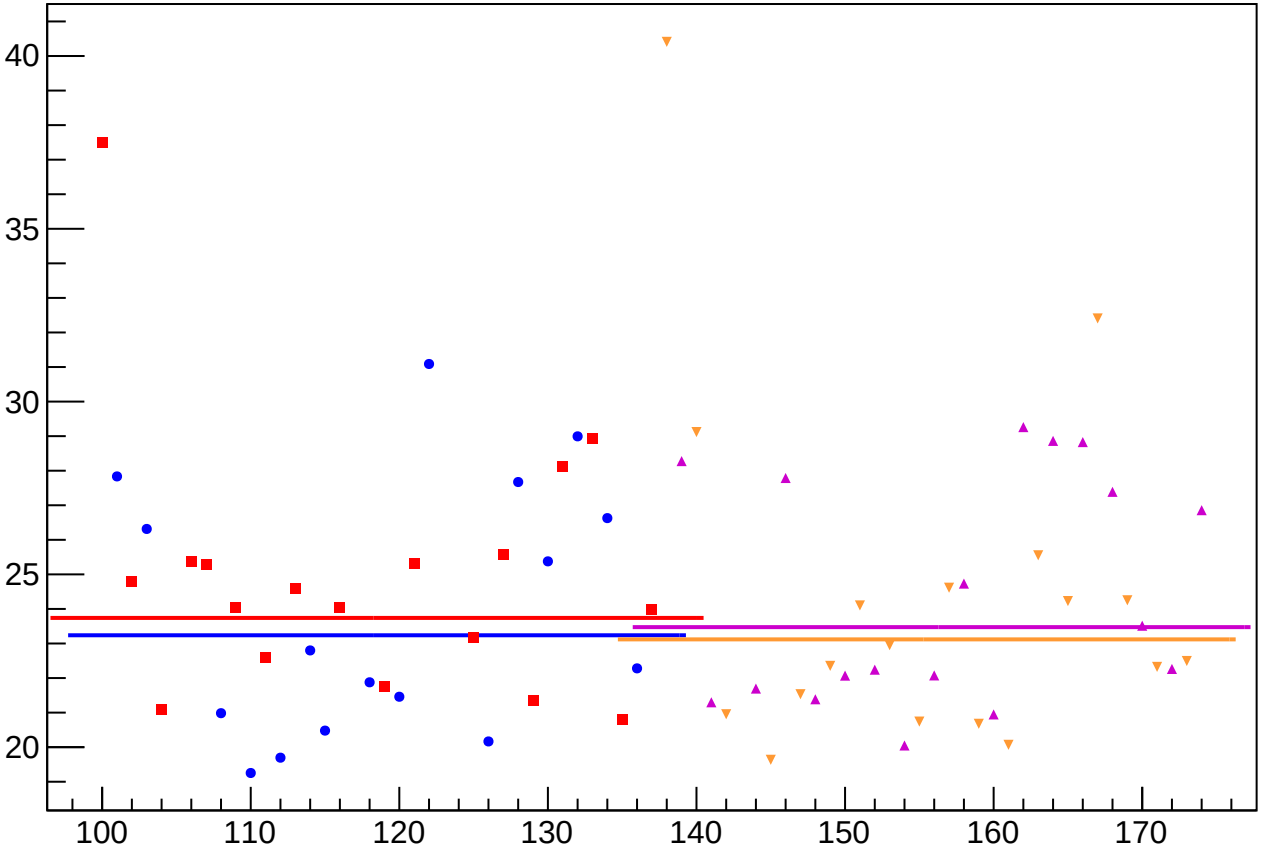
Left In: -0.002+/-0.007 χ^2/NDF:29.7/17

+ sign -0.002+/-0.005 χ^2/NDF: 19.3/33

All: -0.001+/-0.004 χ^2/NDF: 62.9/69

- 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: 23.119+/-0.005 χ^2/NDF:594121.7/17

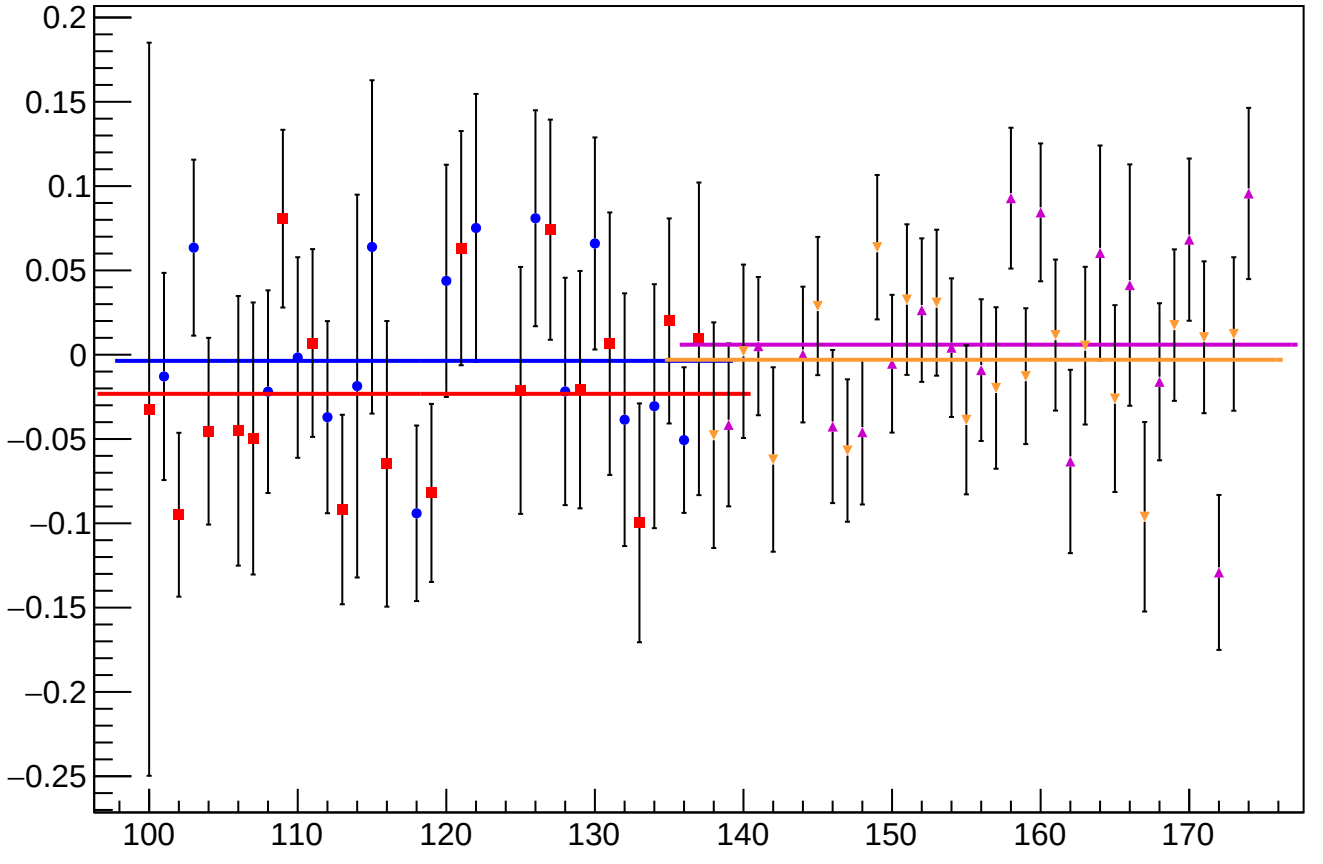
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

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

+ sign 23.159+/-0.004 χ^2/NDF: 853574.8/33

All: 23.362+/-0.003 χ^2/NDF: 1375597.3/69

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



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

Left Out: -0.003+/-0.011 χ^2/NDF:11.8/17

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

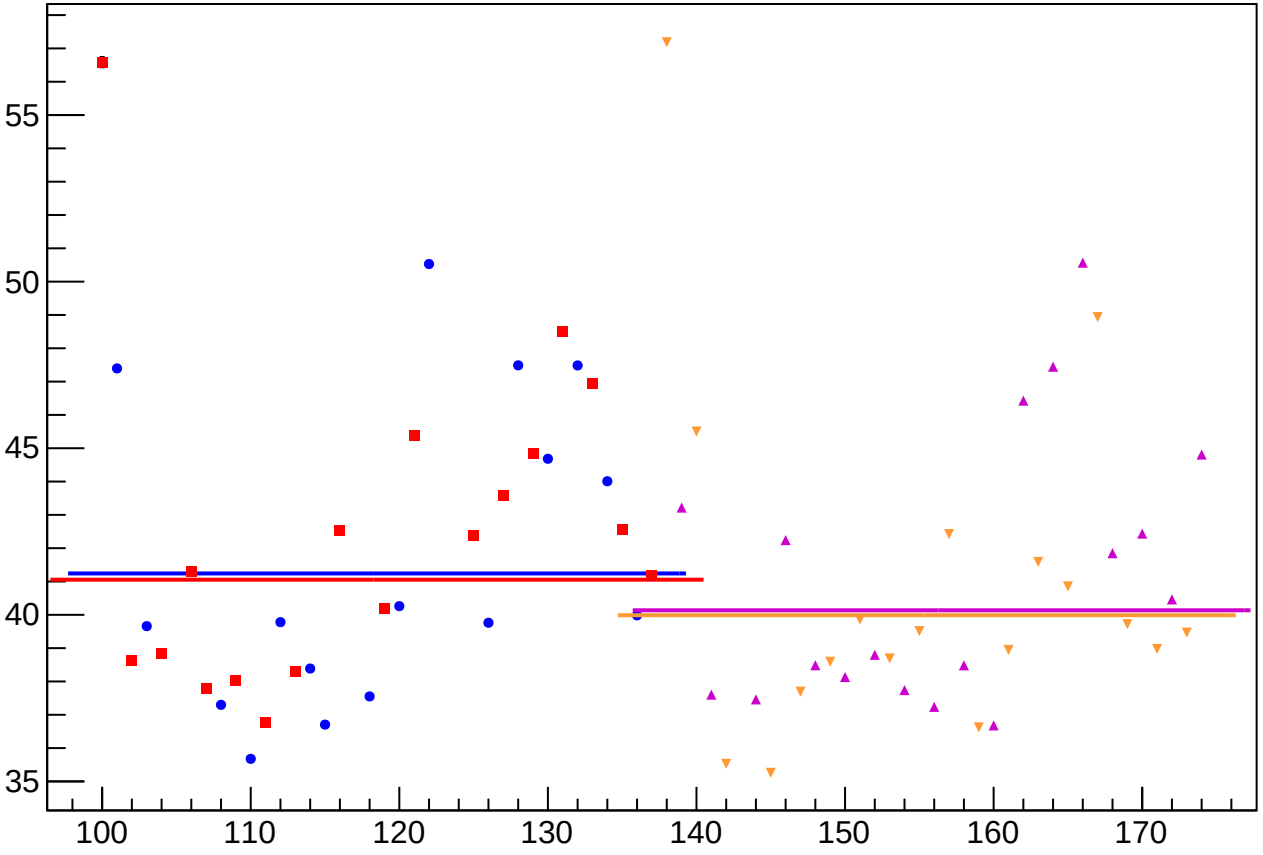
Left In: 0.006+/-0.011 χ^2/NDF:28.3/17

+ sign -0.003+/-0.009 χ^2/NDF: 23.5/33

All: -0.003+/-0.006 χ^2/NDF: 69.6/69

- 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: 39.988+/-0.008 χ^2/NDF:280250.6/17

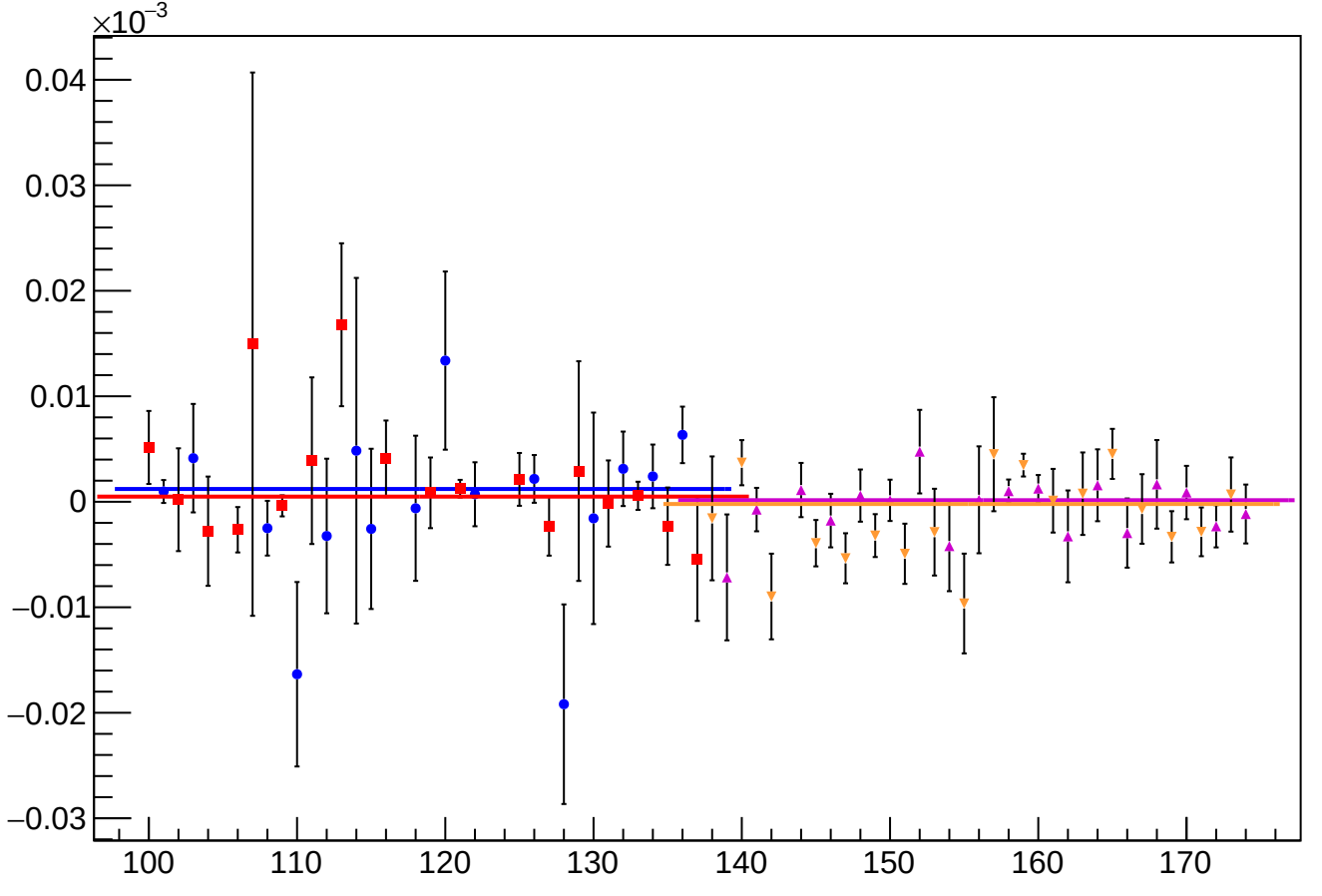
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

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

\+ sign 40.398+/-0.006 χ^2/NDF: 424068.2/33

All: 40.416+/-0.004 χ^2/NDF: 717702.1/69

\- 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:44.5/17

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

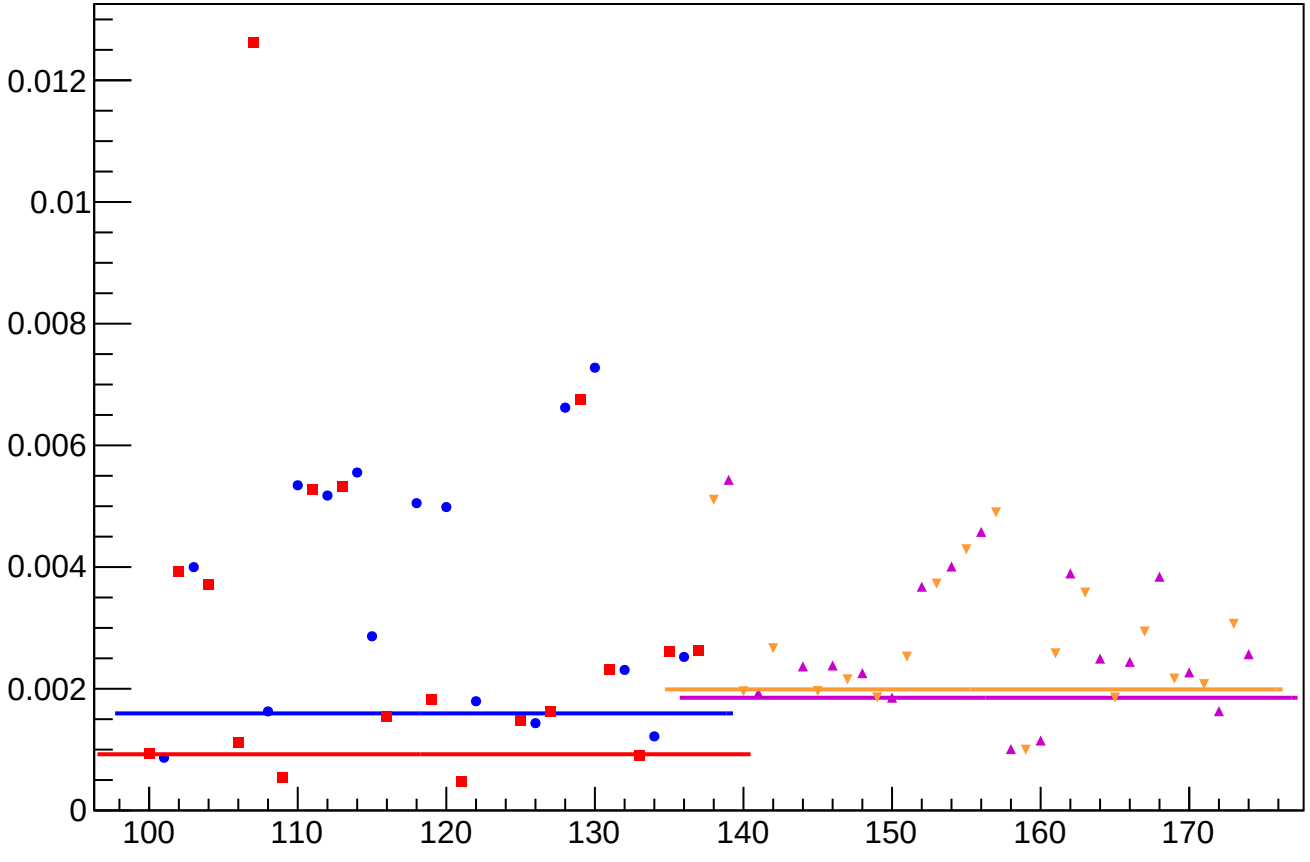
Left In: 0.000+/-0.000 χ^2/NDF:9.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 65.1/33

All: 0.000+/-0.000 χ^2/NDF: 90.1/69

- 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:4593249.9/17

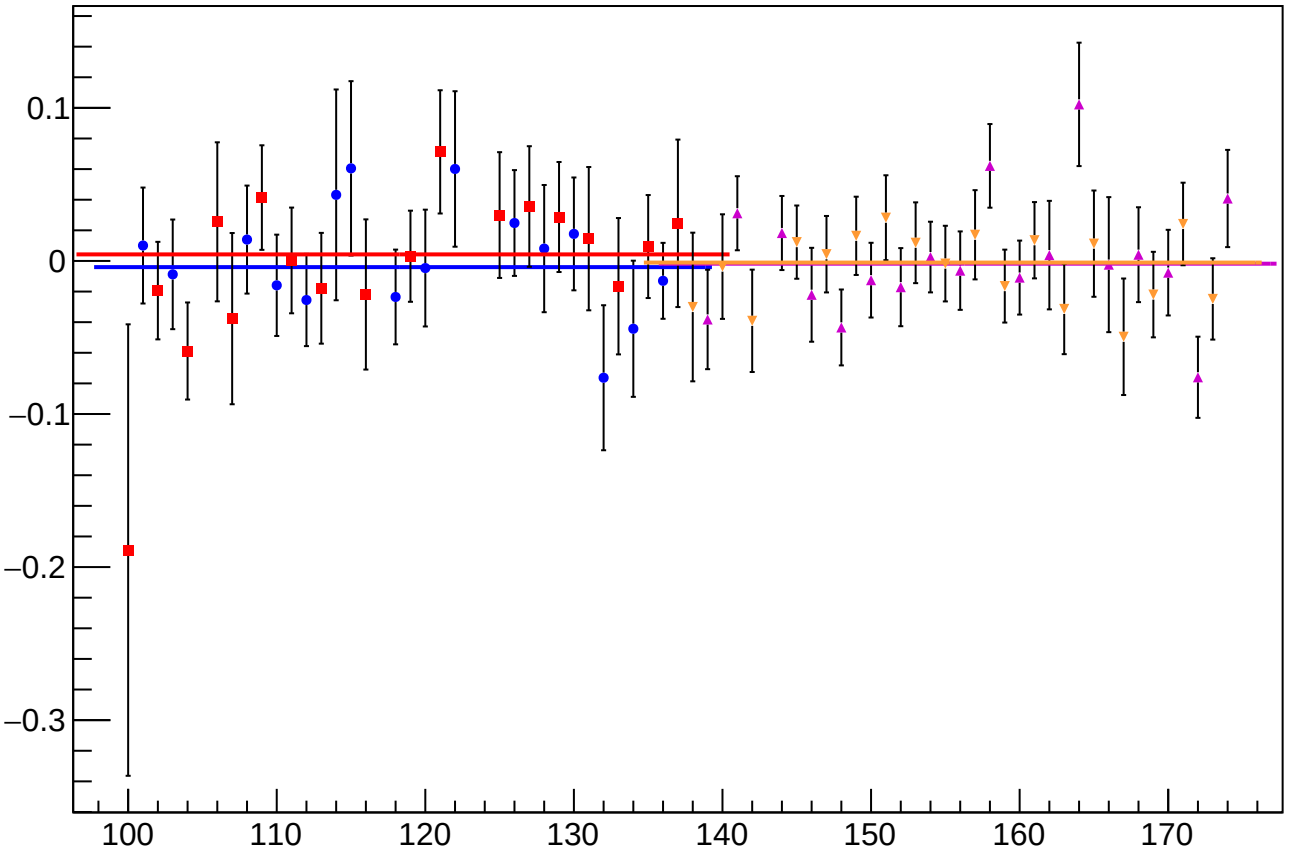
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

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

+ sign 0.002+/-0.000 χ^2/NDF: 9700260.7/33

All: 0.002+/-0.000 χ^2/NDF: 25534949.0/69

- 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:10.0/17

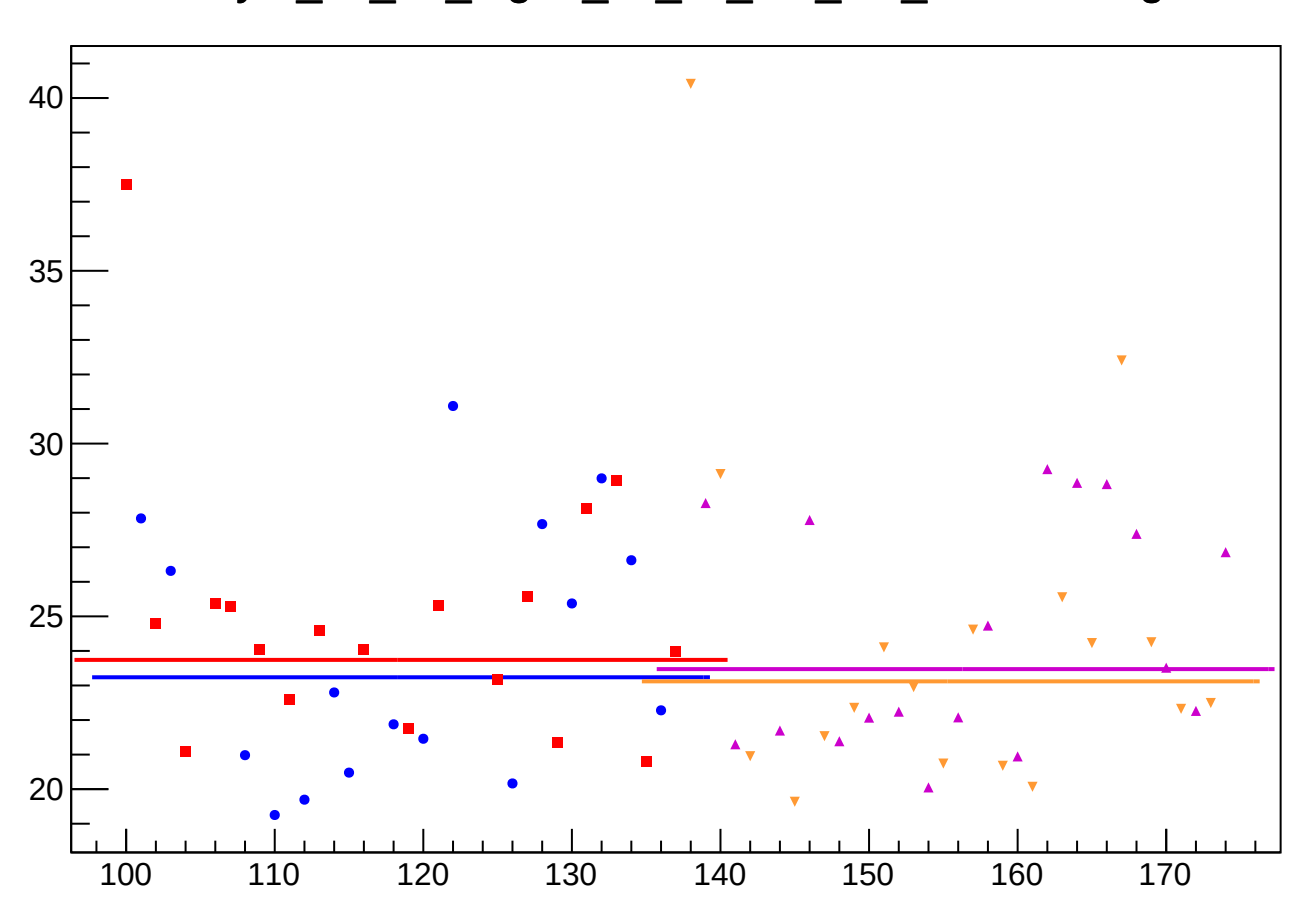
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

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

+ sign -0.002+/-0.005 χ^2/NDF: 19.3/33

All: -0.001+/-0.004 χ^2/NDF: 62.9/69

- sign 0.000+/-0.005 χ^2/NDF: 43.5/35



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

Left Out: 23.119+/-0.005 χ^2/NDF:594143.4/17

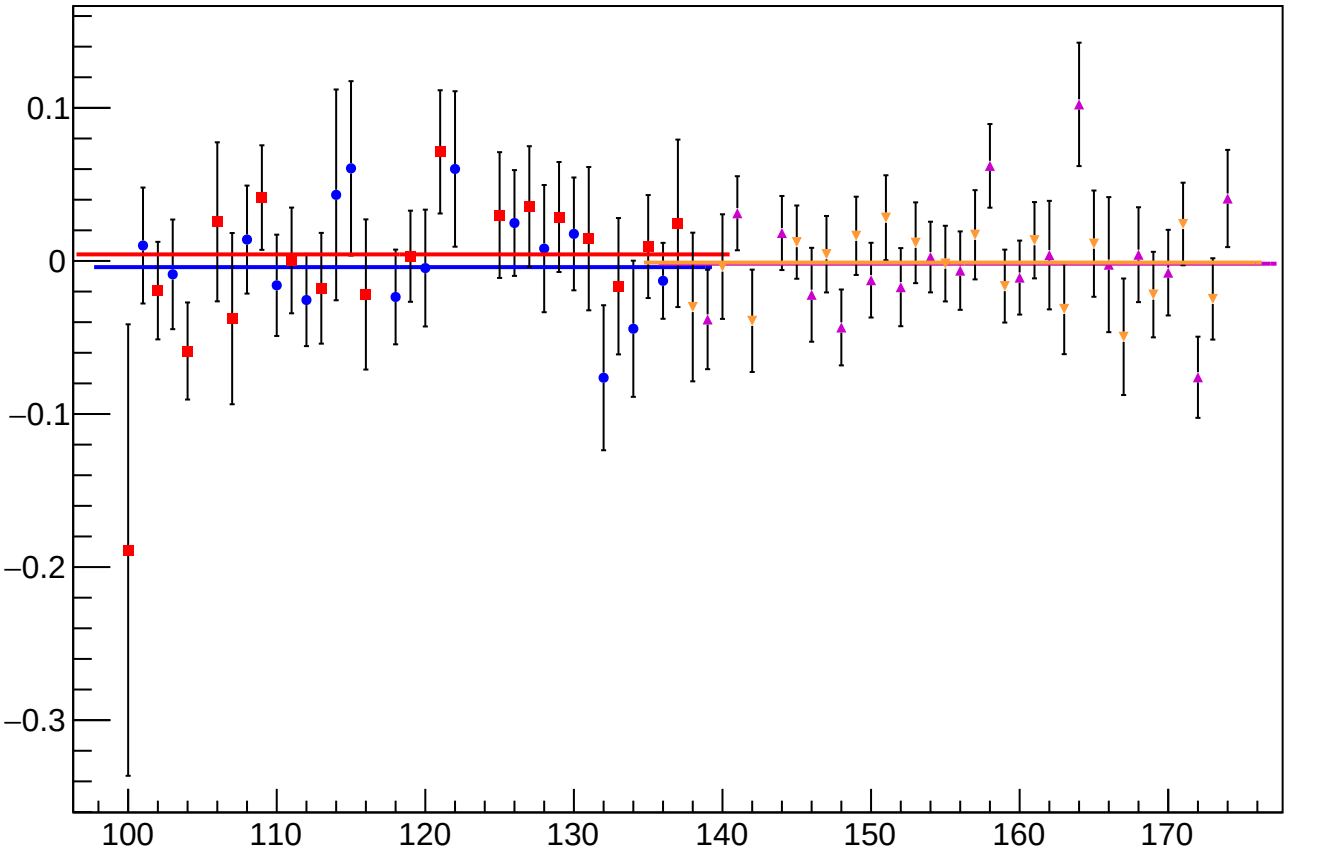
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

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

+ sign 23.159+/-0.004 χ^2/NDF: 853582.6/33

All: 23.362+/-0.003 χ^2/NDF: 1375507.4/69

- 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:10.0/17

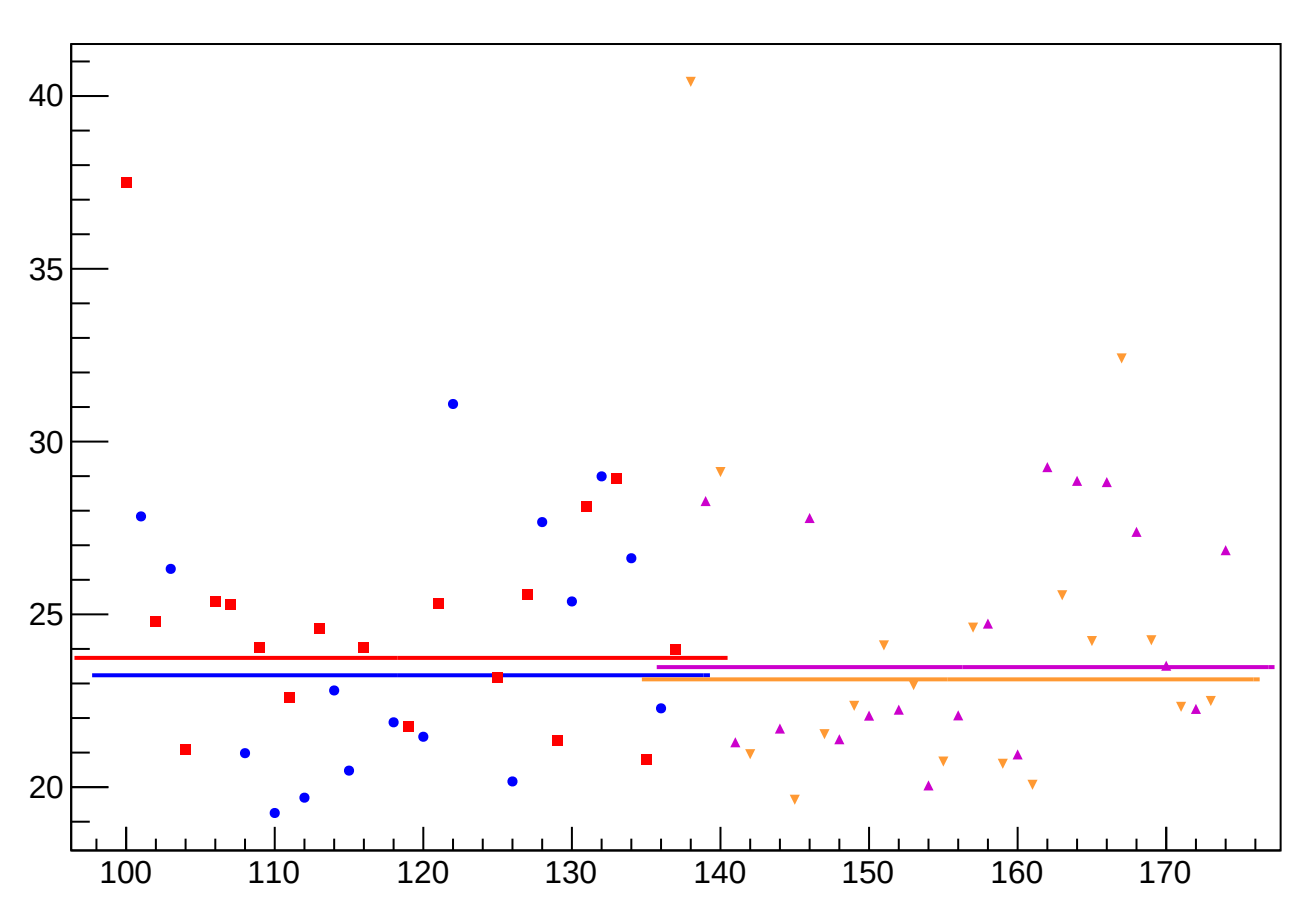
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

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

+ sign -0.002+/-0.005 χ^2/NDF: 19.3/33

All: -0.001+/-0.004 χ^2/NDF: 62.9/69

- sign 0.000+/-0.005 χ^2/NDF: 43.5/35



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

Left Out: 23.119+/-0.005 χ^2/NDF:594143.4/17

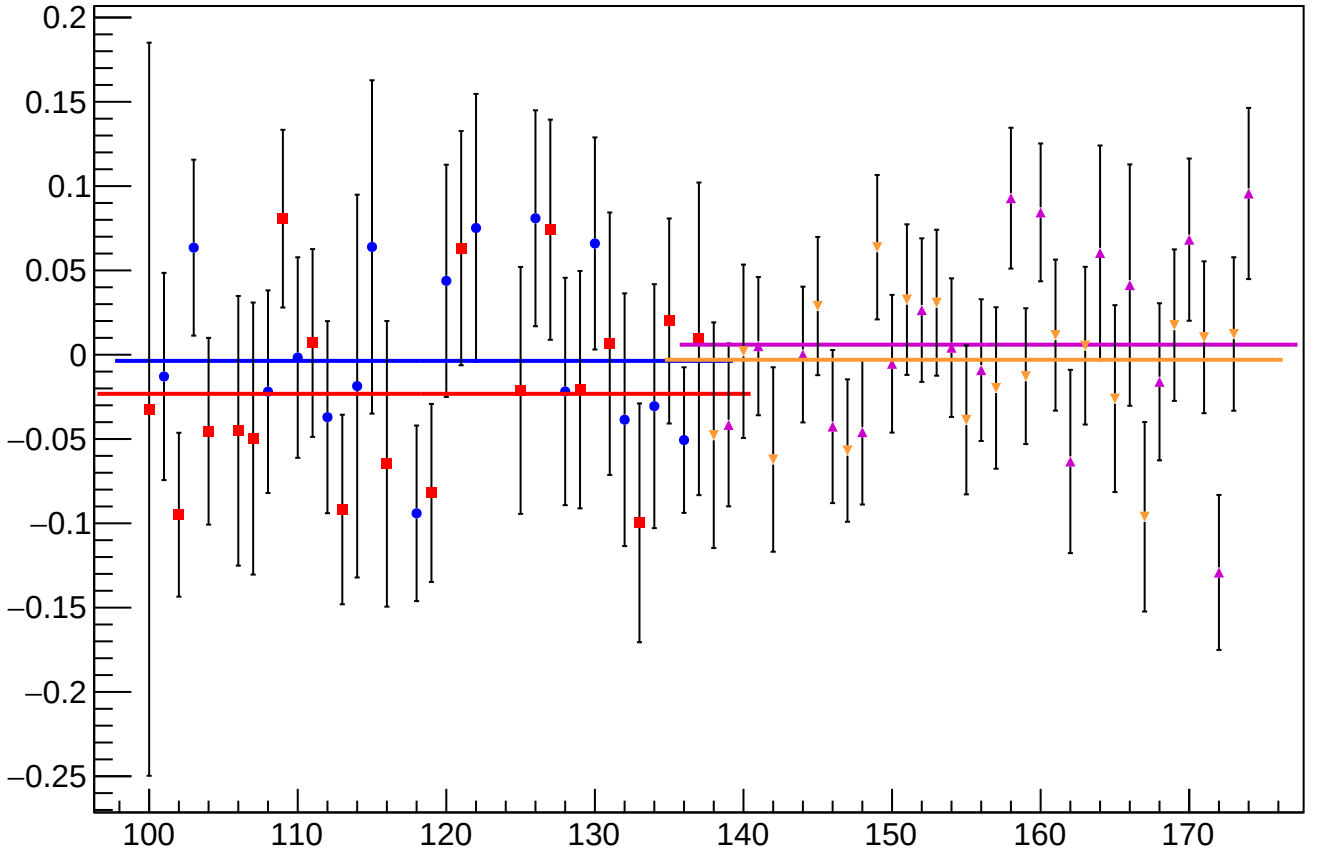
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

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

\+ sign 23.159+/-0.004 χ^2/NDF: 853582.6/33

All: 23.362+/-0.003 χ^2/NDF: 1375507.4/69

\- sign 23.562+/-0.004 χ^2/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:11.8/17

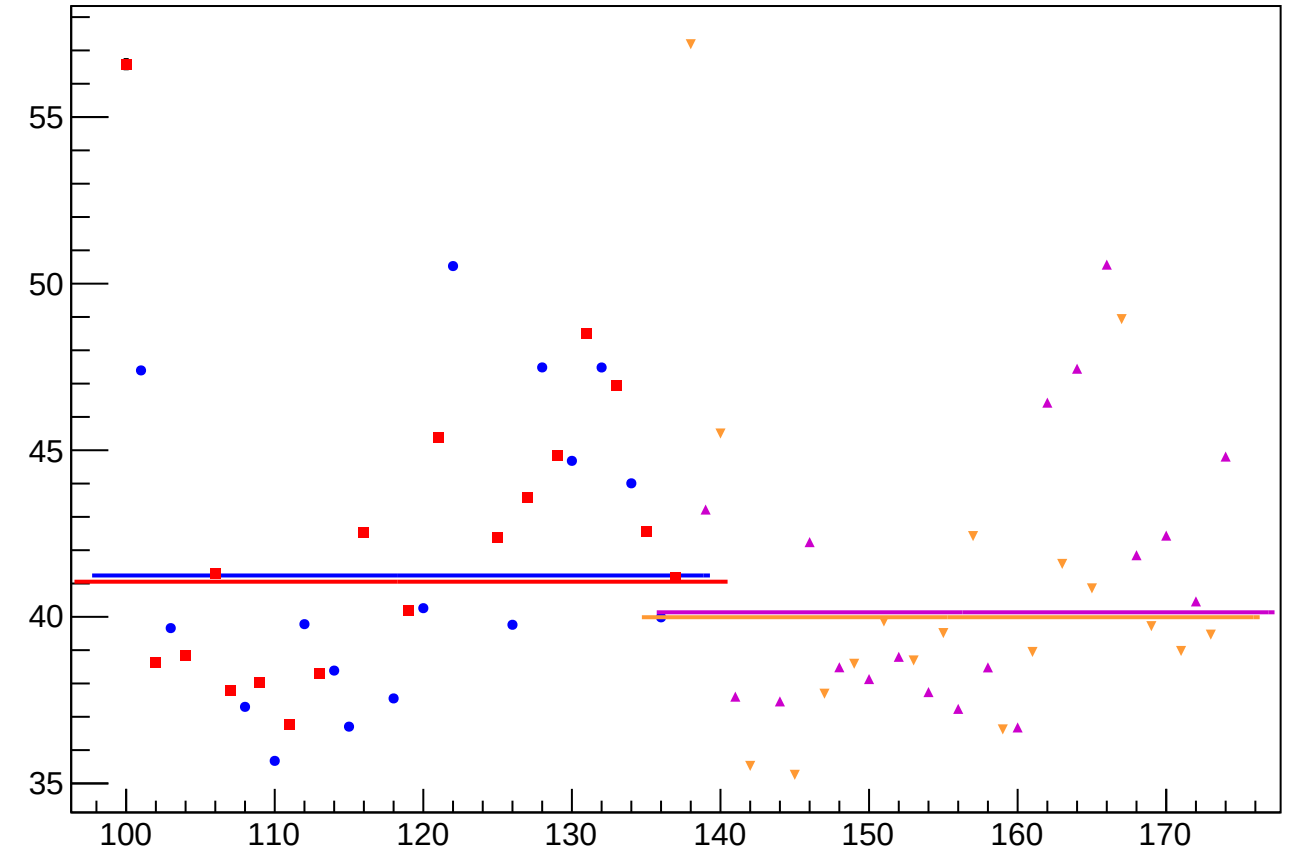
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

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

+ sign -0.003+/-0.009 χ^2/NDF: 23.5/33

All: -0.003+/-0.006 χ^2/NDF: 69.6/69

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



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

Left Out: 39.988+/-0.008 χ^2/NDF:280254.4/17

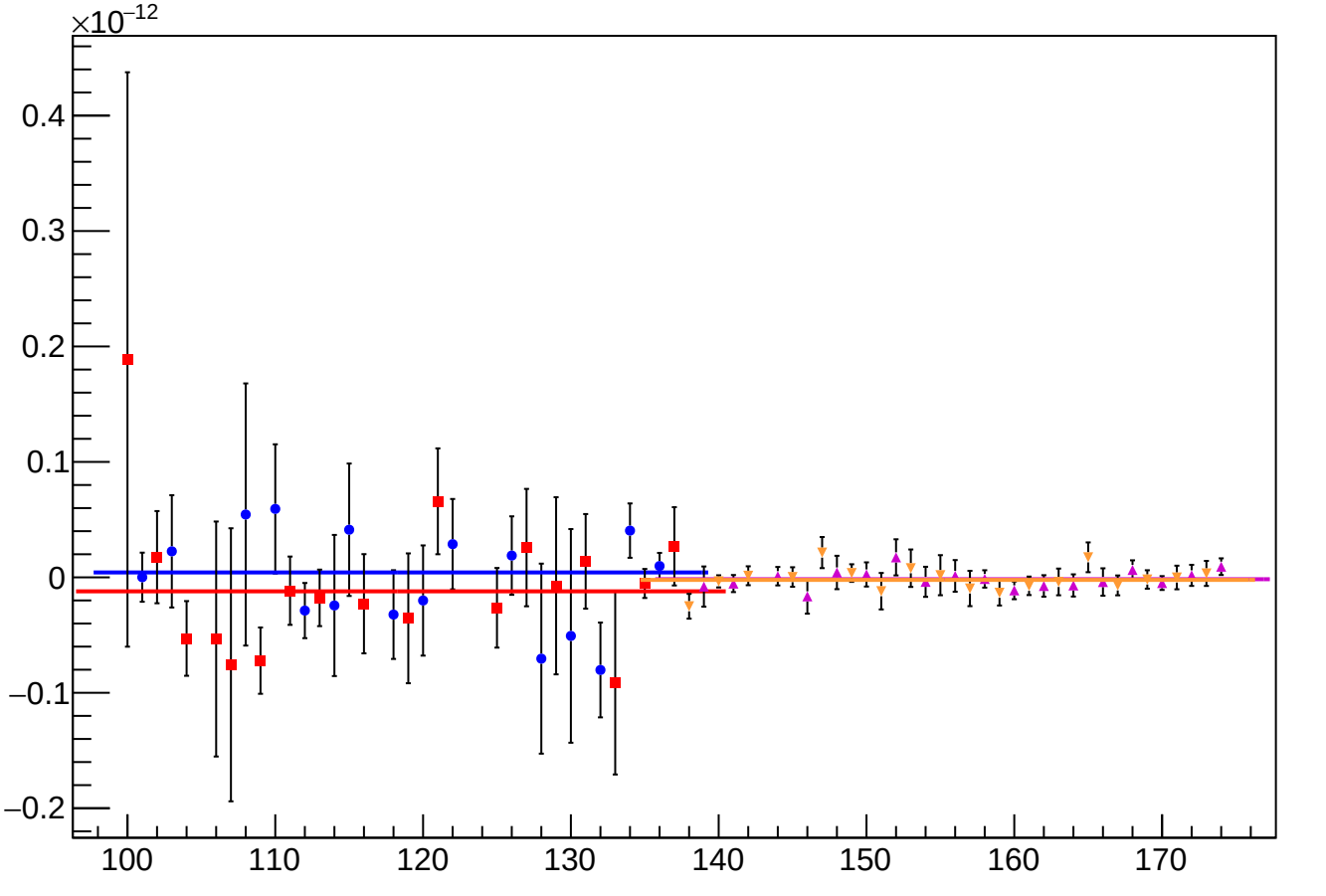
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 40.136+/-0.008 χ^2/NDF:192316.3/17

\+ sign 40.398+/-0.006 χ^2/NDF: 424045.7/33

All: 40.416+/-0.004 χ^2/NDF: 717671.1/69

\- sign 40.434+/-0.006 χ^2/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:14.0/17

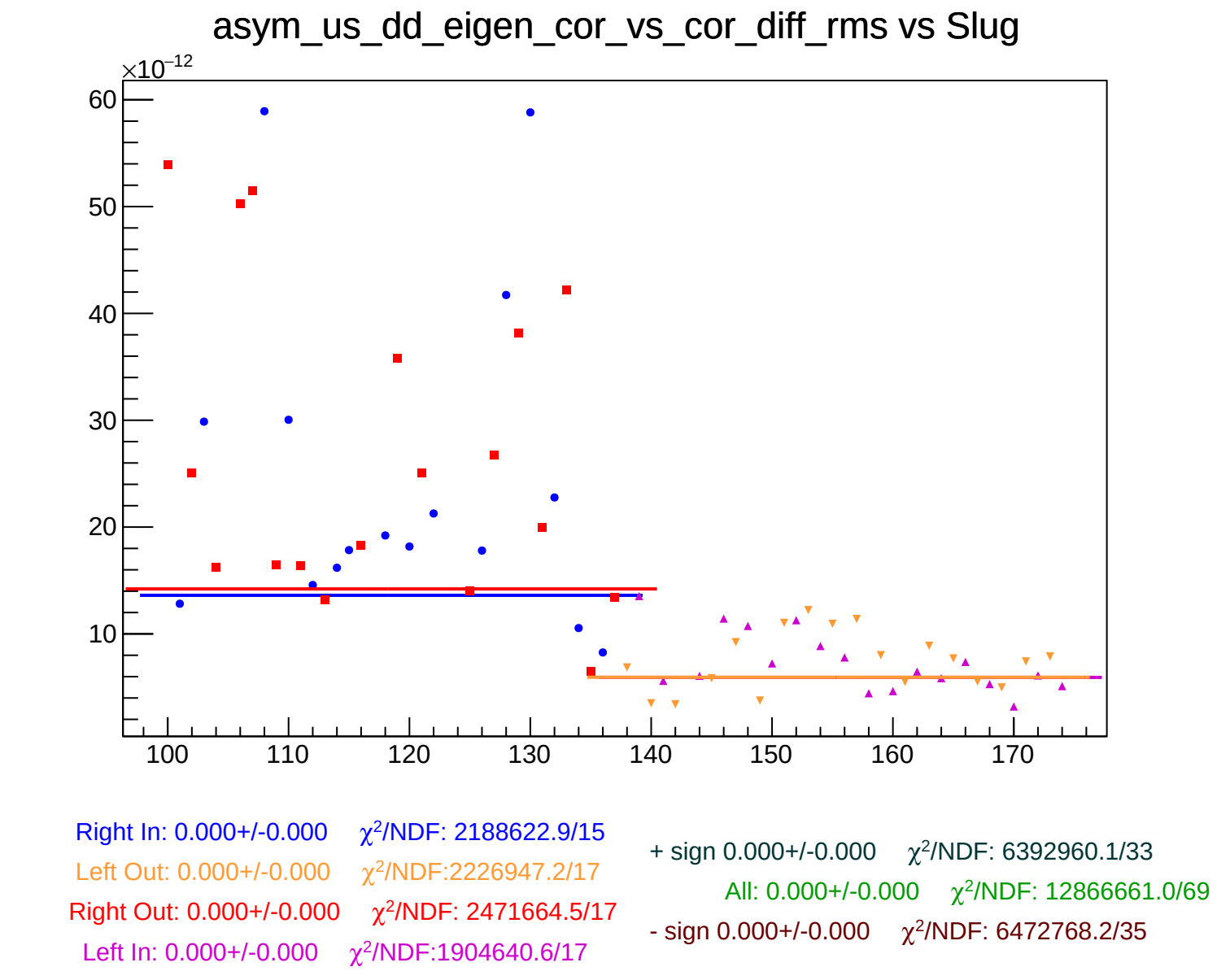
Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

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

+ sign -0.000+/-0.000 χ^2/NDF: 28.3/33

All: -0.000+/-0.000 χ^2/NDF: 53.9/69

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


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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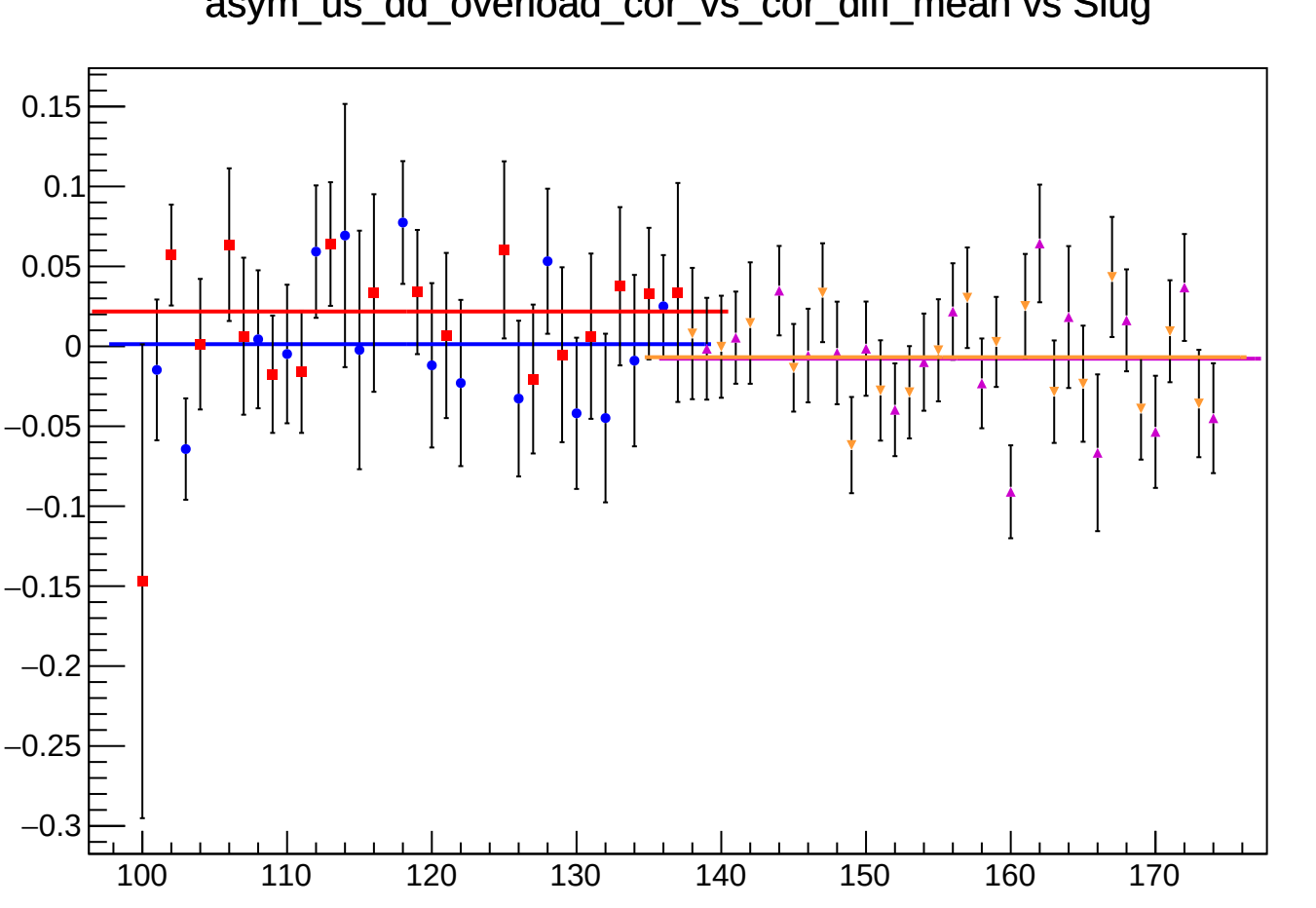
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2226947.2/17
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:1904640.6/17
+ sign 0.000+/-0.000 χ²/NDF: 6392960.1/33
All: 0.000+/-0.000 χ²/NDF: 12866661.0/69
- sign 0.000+/-0.000 χ²/NDF: 6472768.2/35



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

Left Out: -0.007+/-0.008 χ^2/NDF:13.6/17

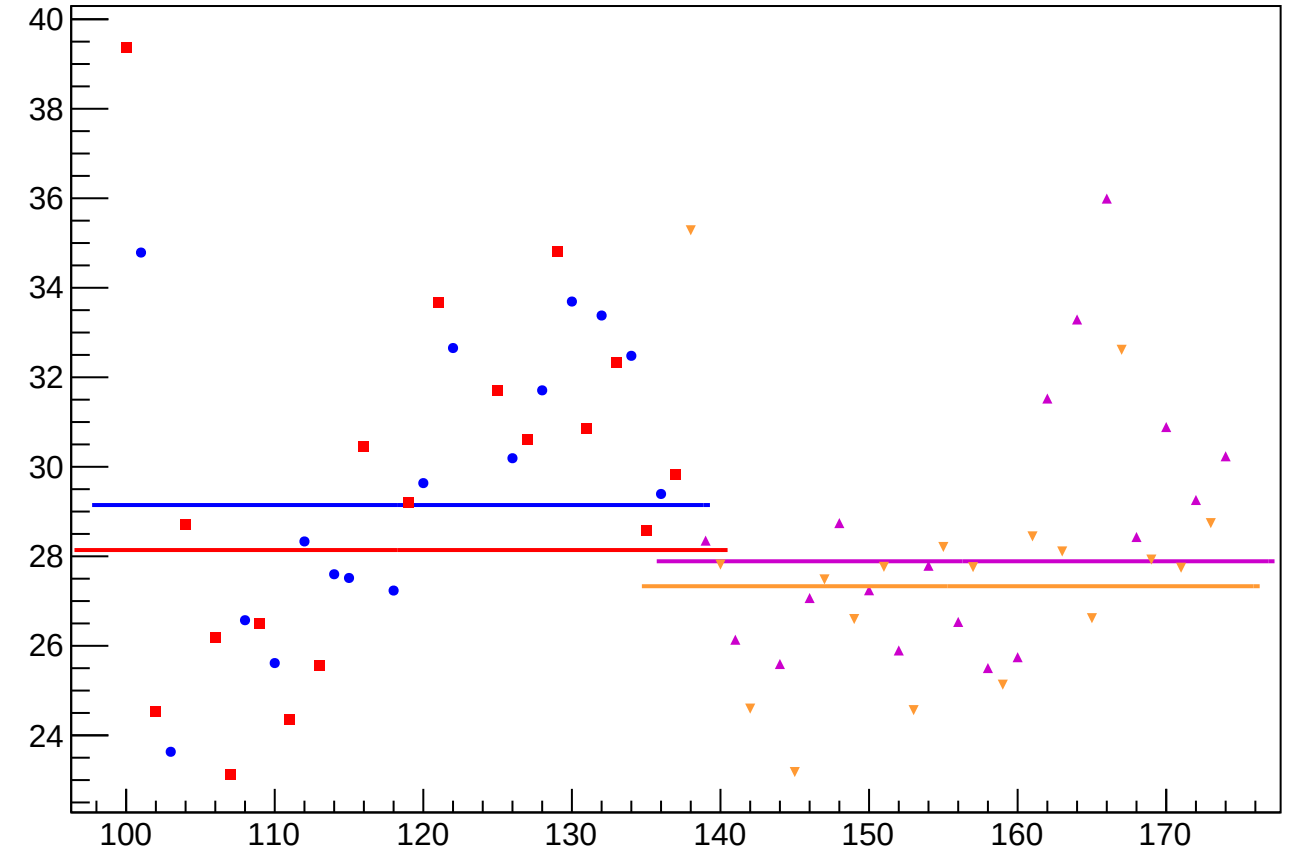
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

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

+ sign -0.004+/-0.006 χ^2/NDF: 29.2/33

All: -0.001+/-0.004 χ^2/NDF: 67.9/69

- 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: 27.332+/-0.005 χ^2/NDF:214144.1/17

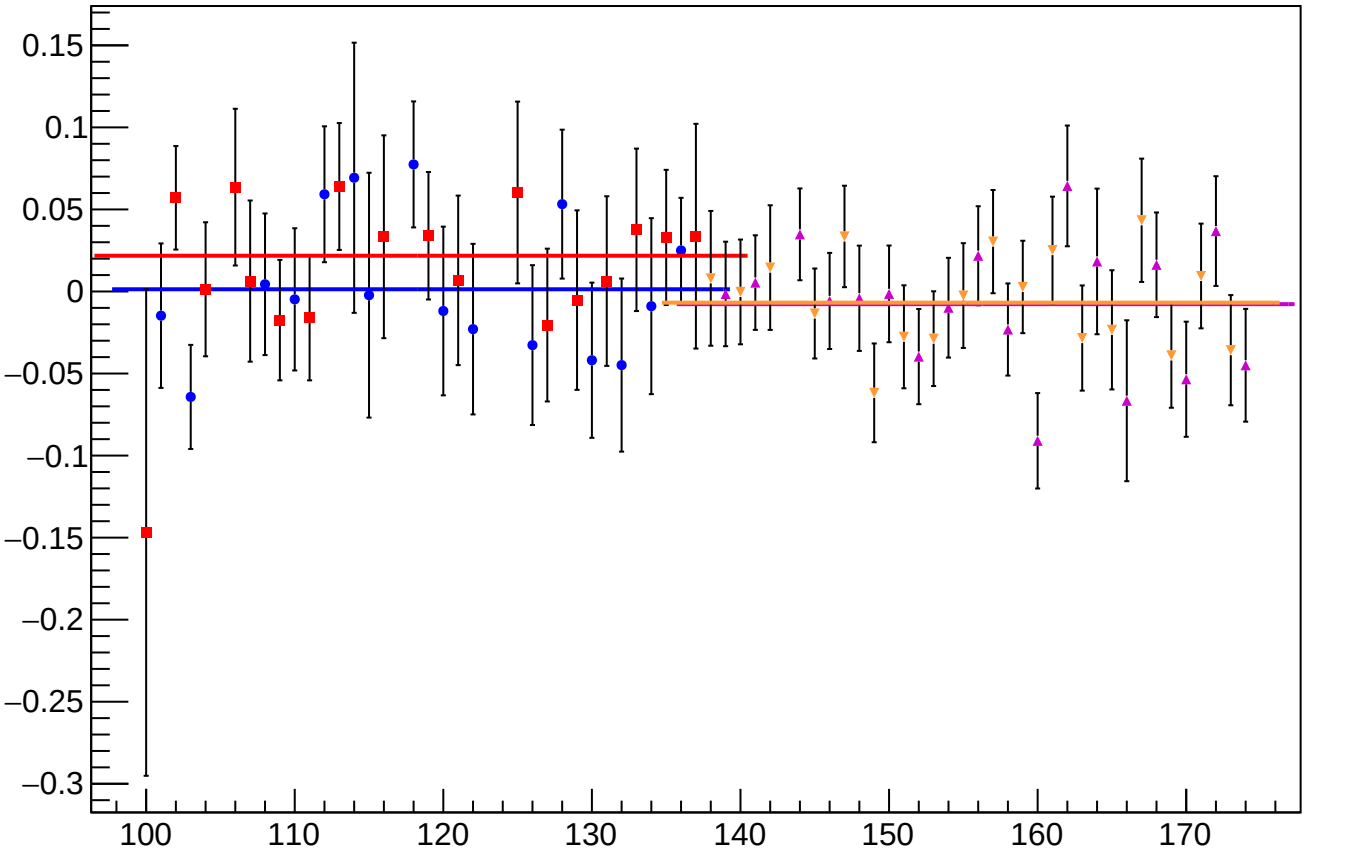
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

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

\+ sign 27.900+/-0.004 χ^2/NDF: 426991.1/33

All: 27.936+/-0.003 χ^2/NDF: 810684.1/69

\- 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: -0.007+/-0.008 χ^2/NDF:13.6/17

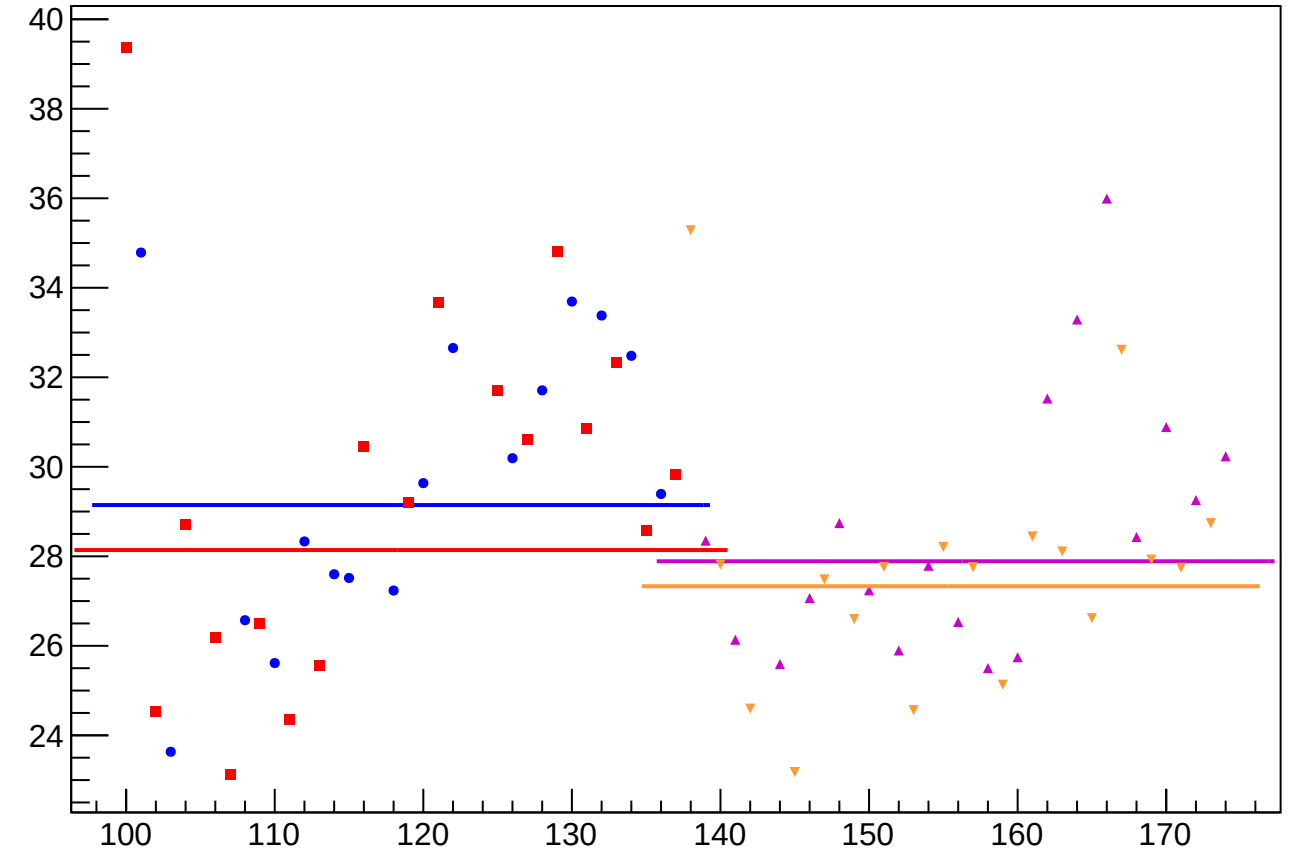
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

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

+ sign -0.004+/-0.006 χ^2/NDF: 29.2/33

All: -0.001+/-0.004 χ^2/NDF: 67.9/69

- 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: 27.332+/-0.005 χ^2/NDF:214144.1/17

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

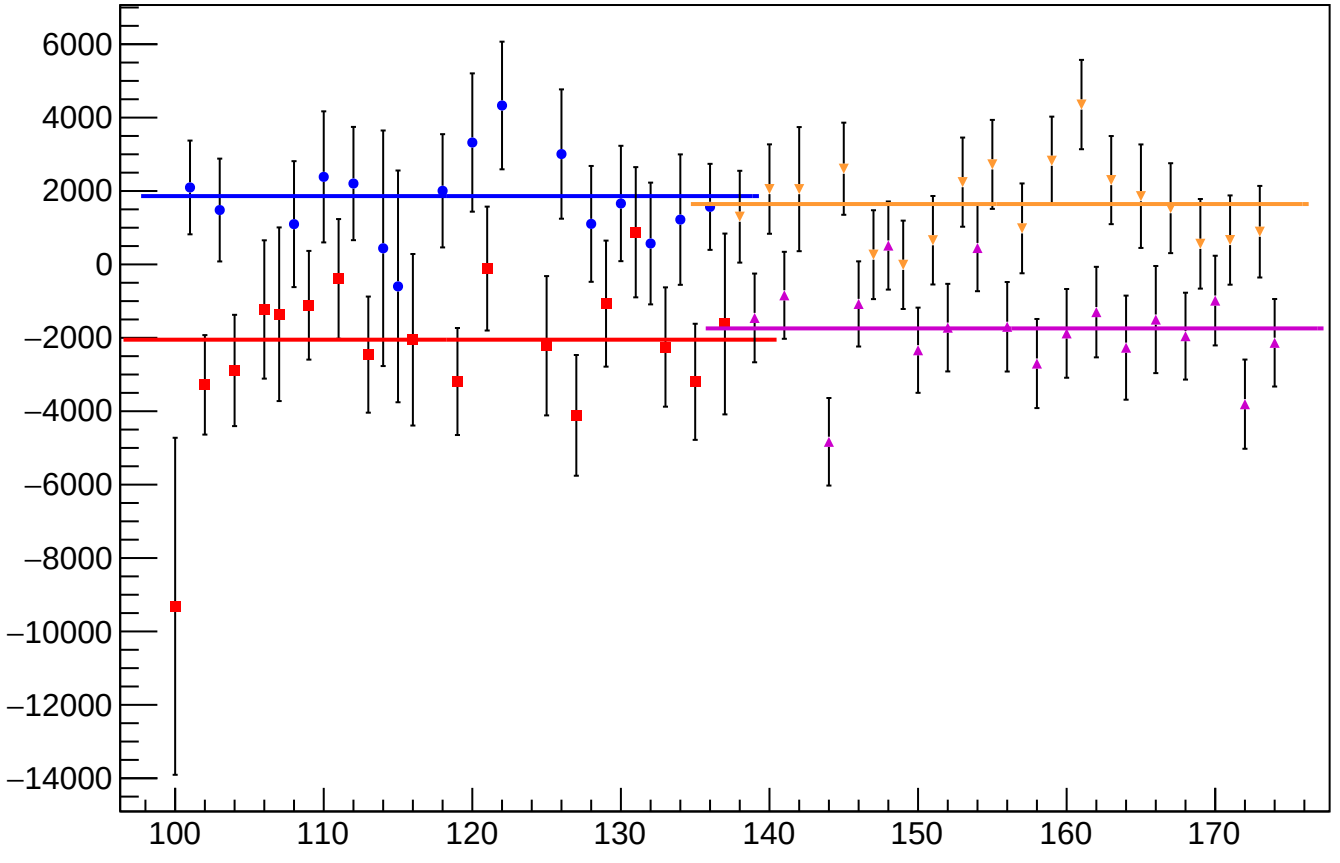
Left In: 27.889+/-0.005 χ^2/NDF:195726.5/17

\+ sign 27.900+/-0.004 χ^2/NDF: 426991.1/33

All: 27.936+/-0.003 χ^2/NDF: 810684.1/69

\- 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: 1644.991+/-293.560 χ^2/NDF:14.1/17

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

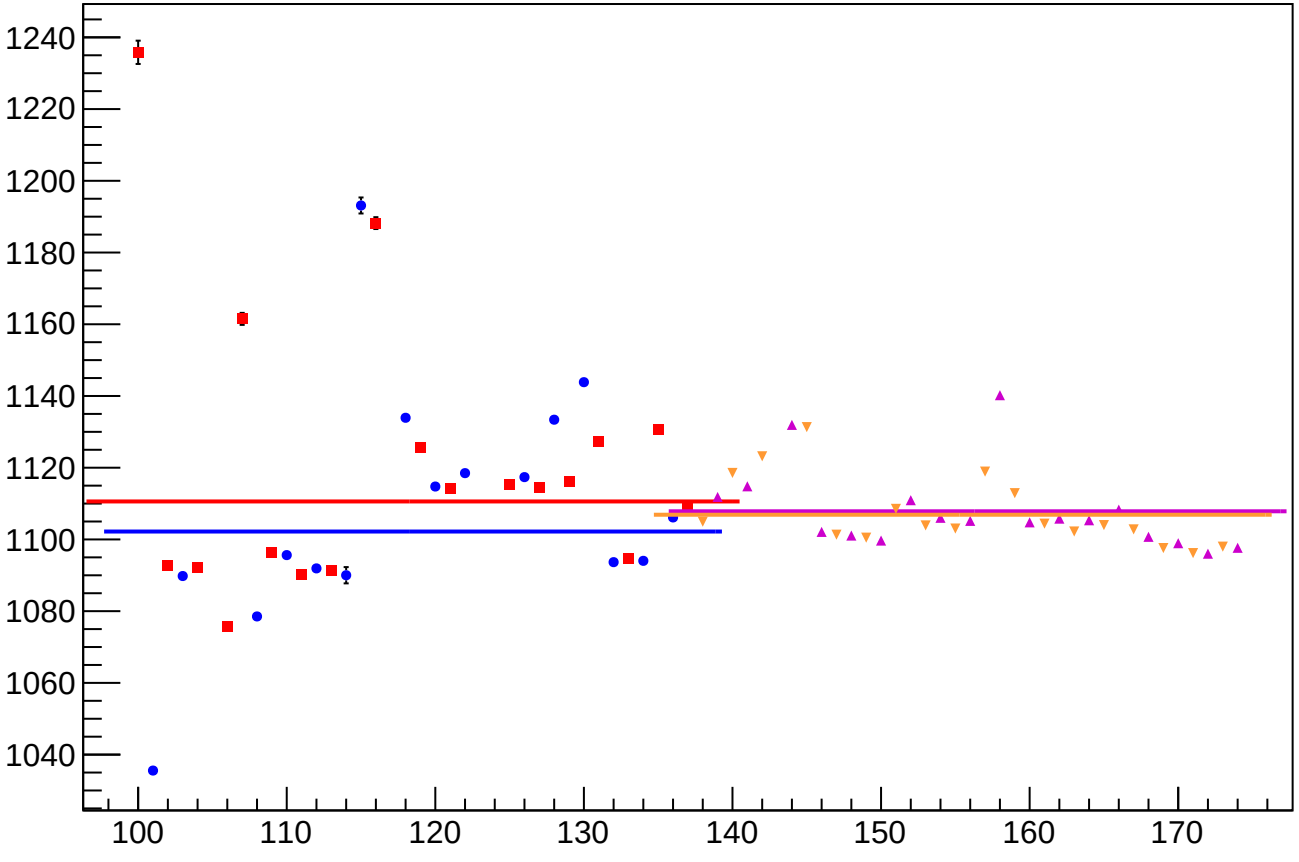
Left In: -1743.586+/-287.188 χ^2/NDF:19.3/17

+ sign 1718.490+/-238.592 χ^2/NDF: 19.6/33

All: -89.650+/-167.455 χ^2/NDF: 165.0/69

- 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: 1106.889+/-0.208 χ^2/NDF:1950.5/17

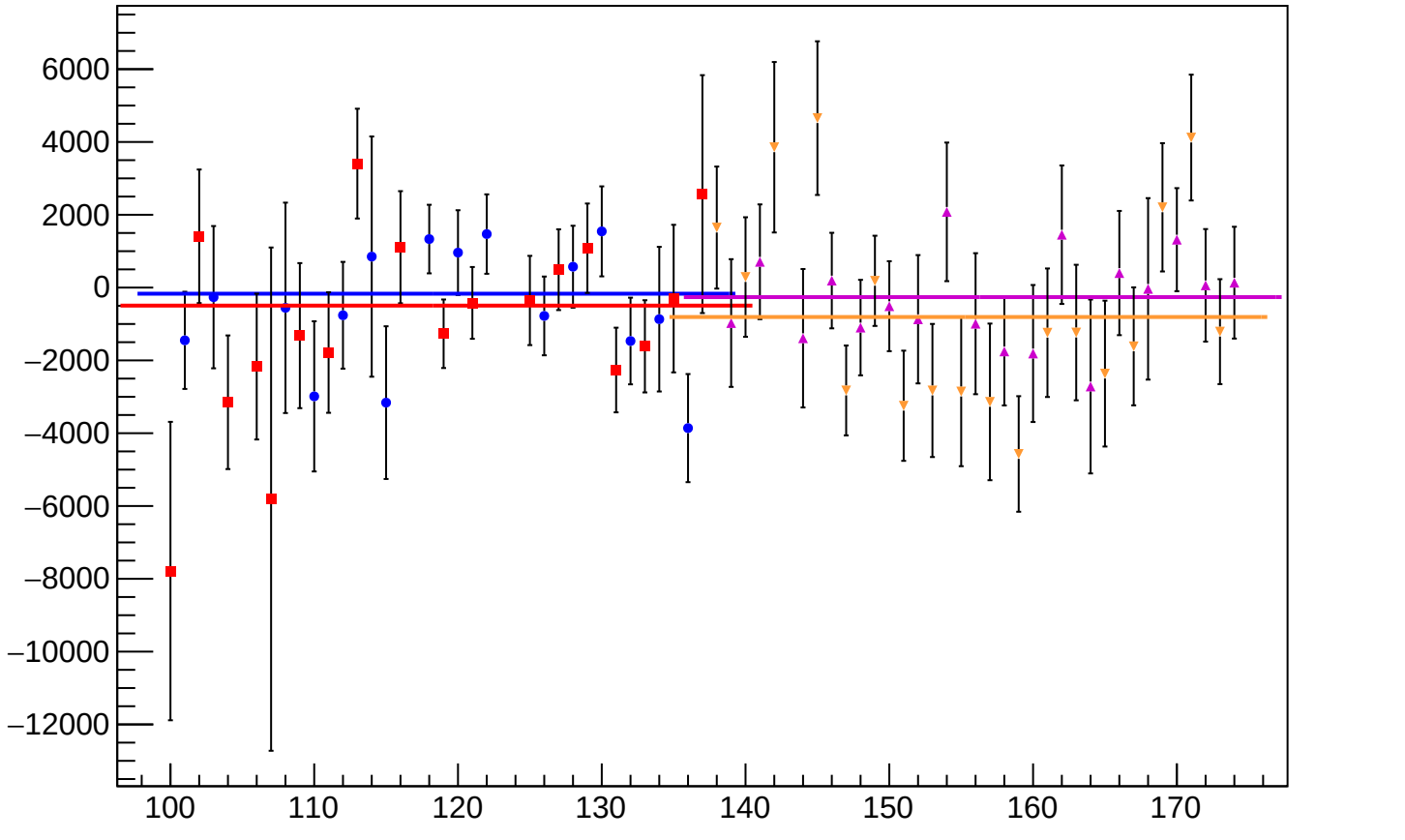
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

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

+ sign 1105.299+/-0.169 χ^2/NDF: 13472.2/33

All: 1107.052+/-0.118 χ^2/NDF: 24548.3/69

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



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

Left Out: -808.019+/-395.114 χ^2/NDF:40.3/17

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

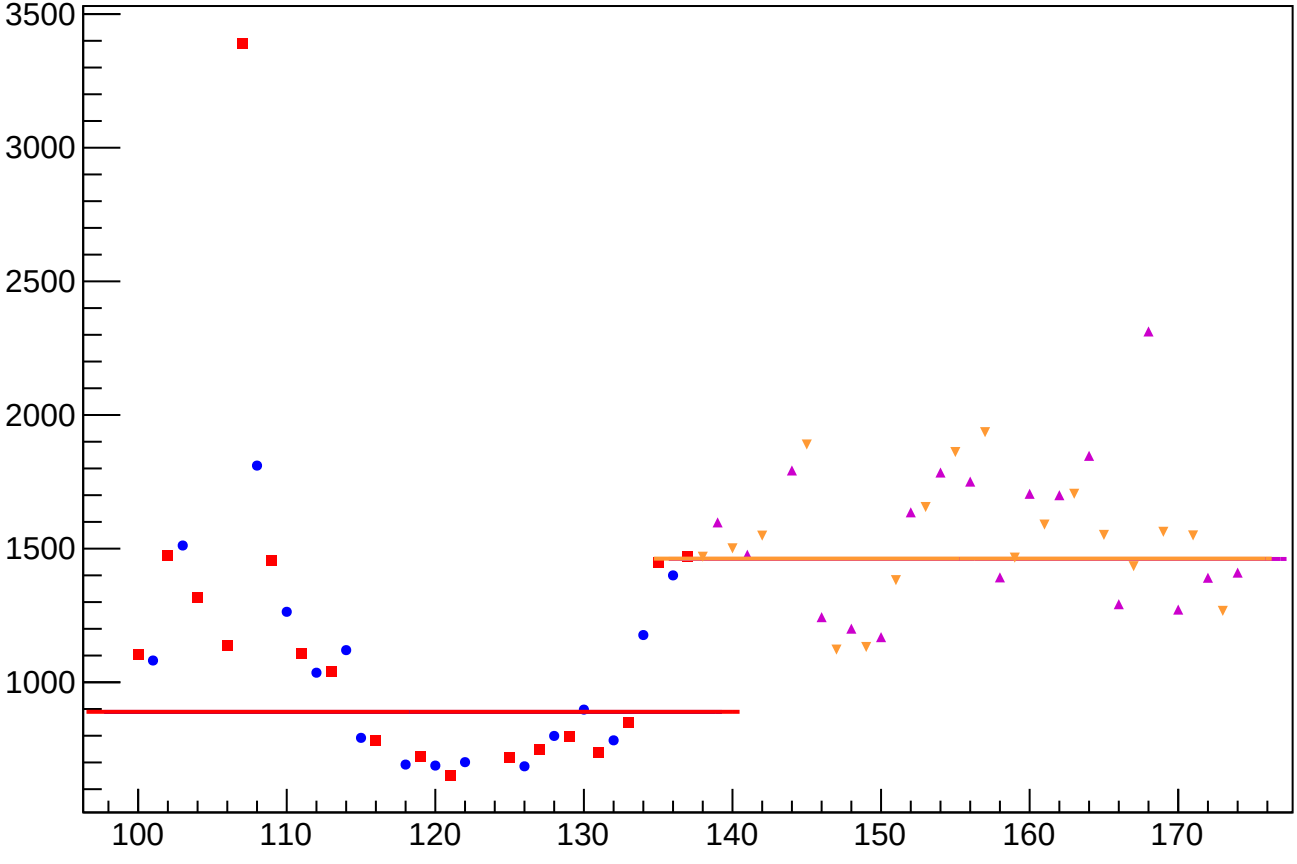
Left In: -261.860+/-385.775 χ^2/NDF:8.3/17

\+ sign -445.211+/-260.063 χ^2/NDF: 62.8/33

All: -418.044+/-182.867 χ^2/NDF: 94.6/69

\- 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: 1462.633+/-0.279 χ^2/NDF:677664.8/17

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

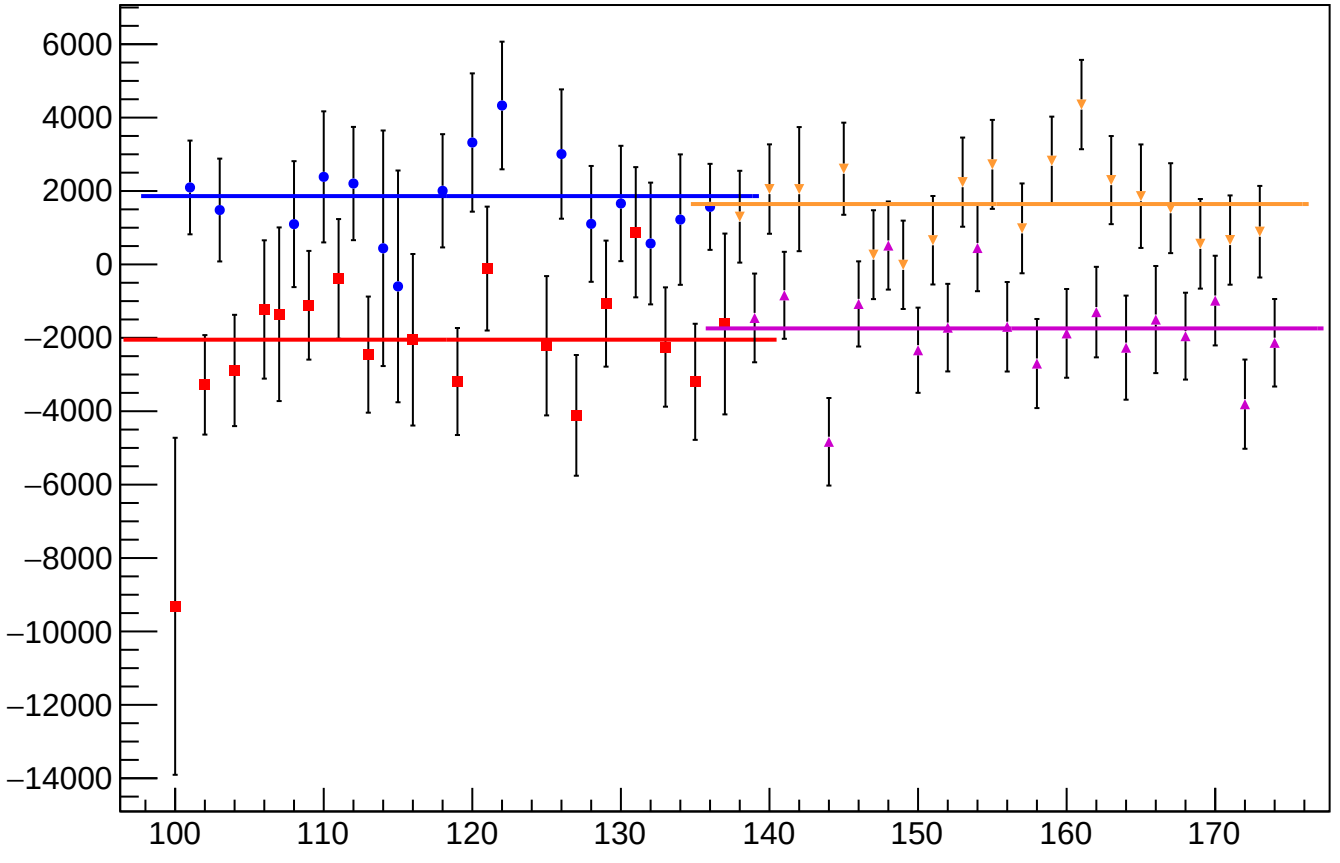
Left In: 1461.383+/-0.273 χ^2/NDF:857750.8/17

+ sign 1137.487+/-0.184 χ^2/NDF: 4200056.5/33

All: 1140.610+/-0.129 χ^2/NDF: 8846039.6/69

- 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: 1644.991+/-293.560 χ^2/NDF:14.1/17

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

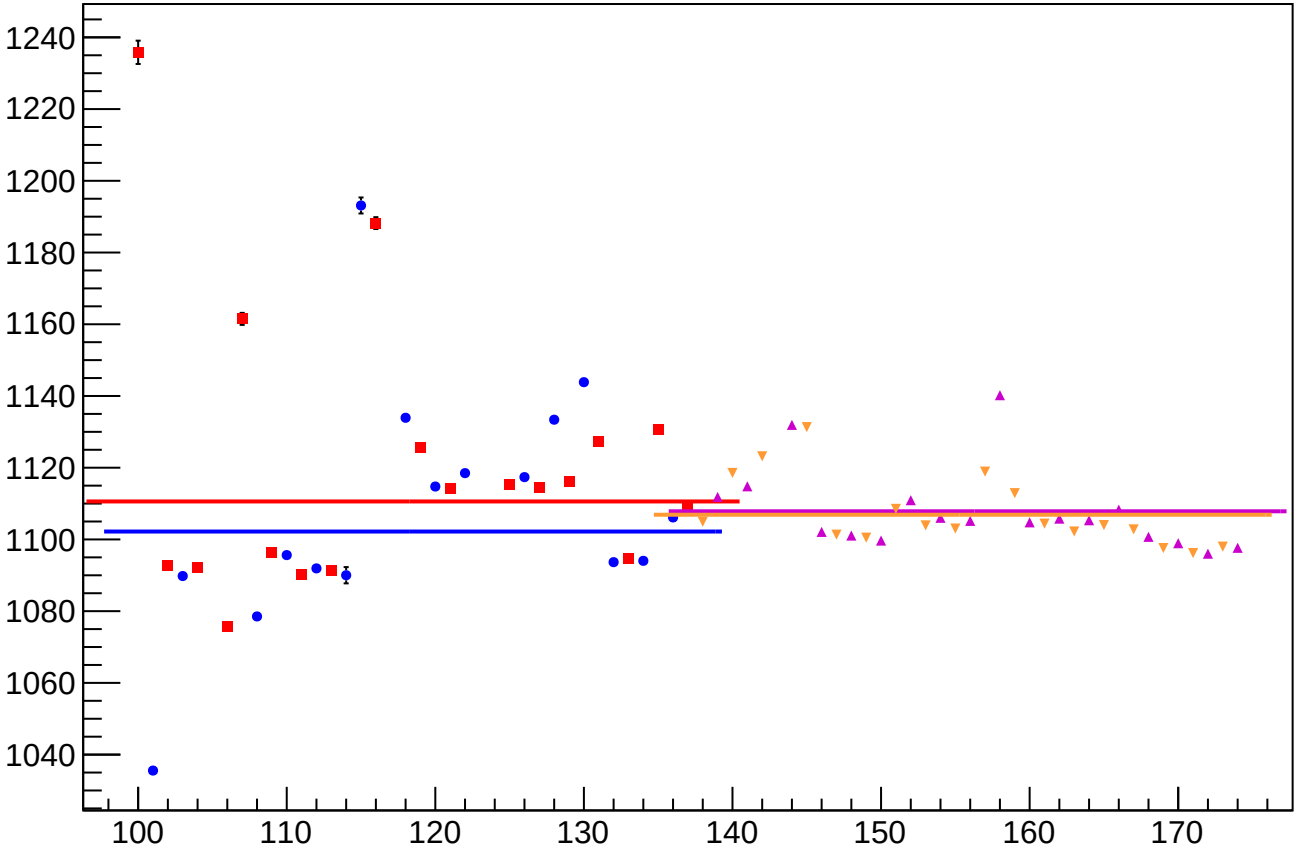
Left In: -1743.586+/-287.188 χ^2/NDF:19.3/17

+ sign 1718.490+/-238.592 χ^2/NDF: 19.6/33

All: -89.650+/-167.455 χ^2/NDF: 165.0/69

- 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: 1106.889+/-0.208 χ^2/NDF:1950.5/17

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

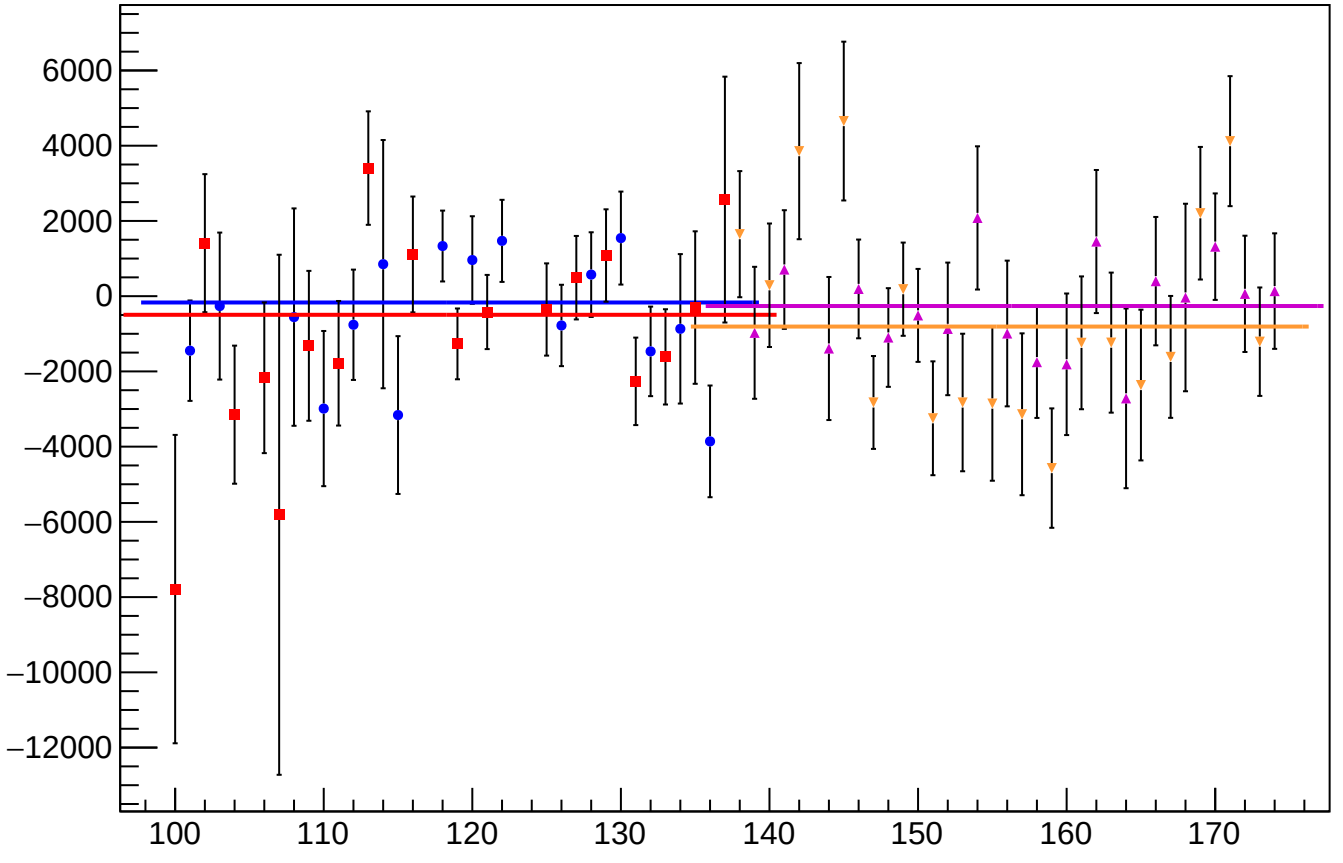
Left In: 1107.848+/-0.203 χ^2/NDF:3107.1/17

+ sign 1105.299+/-0.169 χ^2/NDF: 13472.2/33

All: 1107.052+/-0.118 χ^2/NDF: 24548.3/69

- 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: -808.019+/-395.114 χ^2/NDF:40.3/17

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

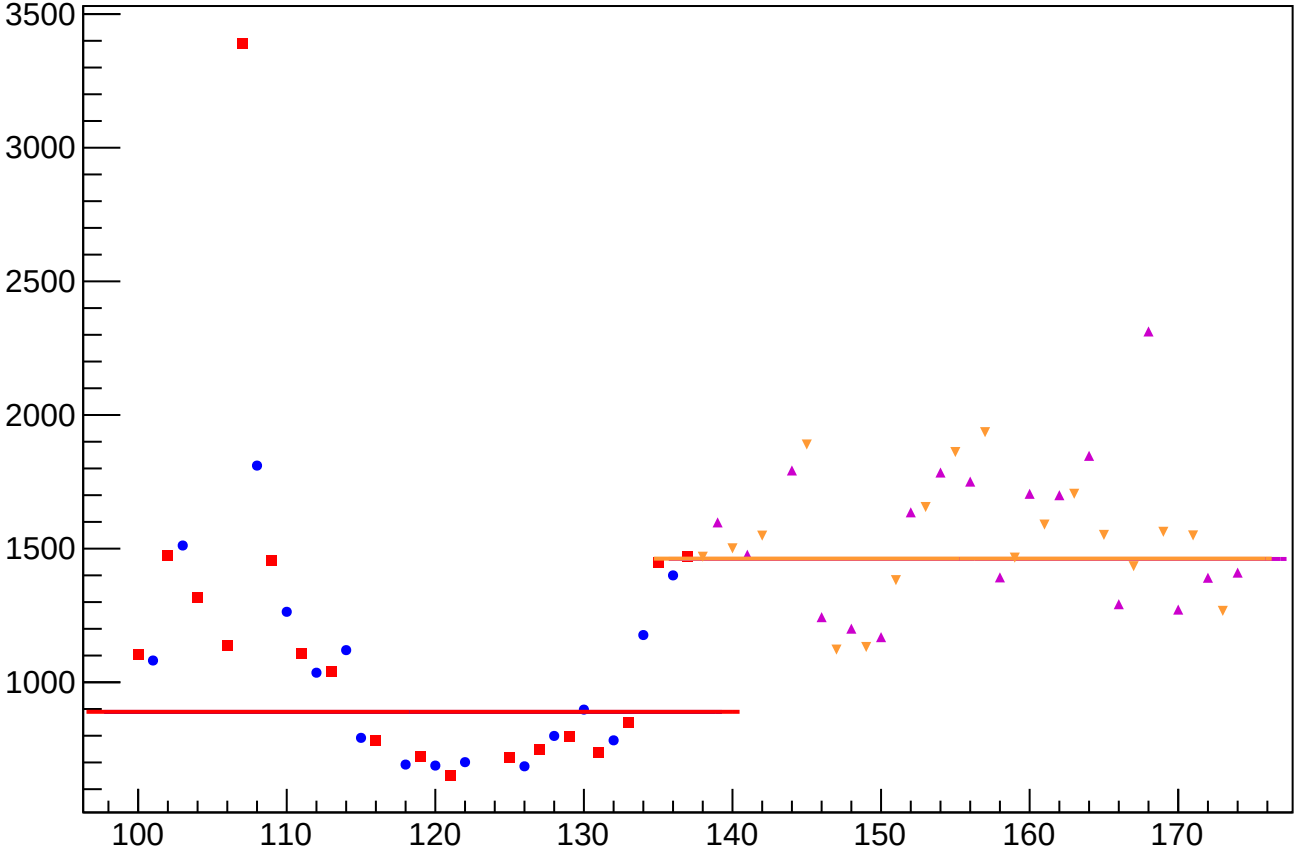
Left In: -261.860+/-385.775 χ^2/NDF:8.3/17

+ sign -445.211+/-260.063 χ^2/NDF: 62.8/33

All: -418.044+/-182.867 χ^2/NDF: 94.6/69

- 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: 1462.633+/-0.279 χ^2/NDF:677664.8/17

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

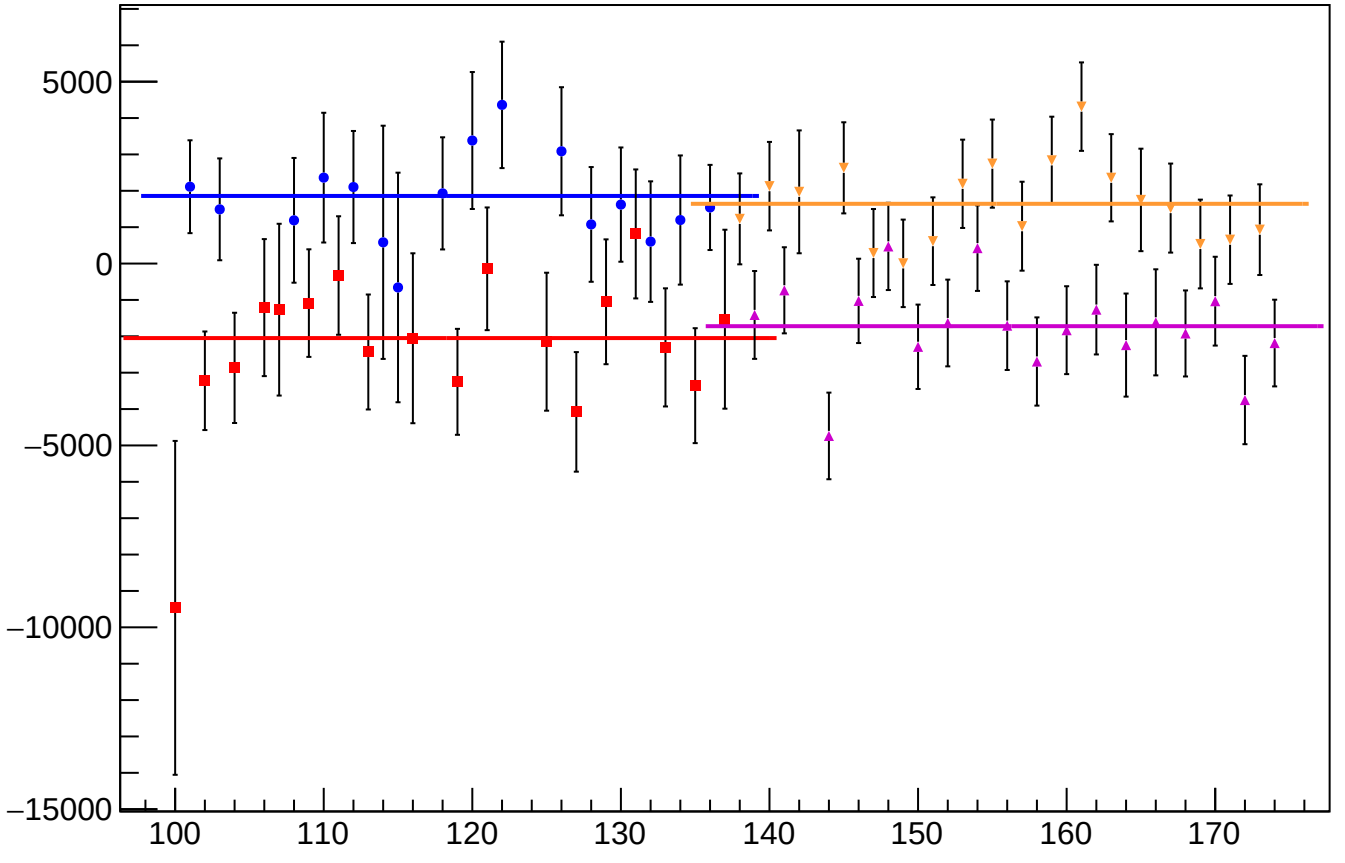
Left In: 1461.383+/-0.273 χ^2/NDF:857750.8/17

+ sign 1137.487+/-0.184 χ^2/NDF: 4200056.5/33

All: 1140.610+/-0.129 χ^2/NDF: 8846039.6/69

- 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: 1642.417+/-293.271 χ^2/NDF:14.0/17

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

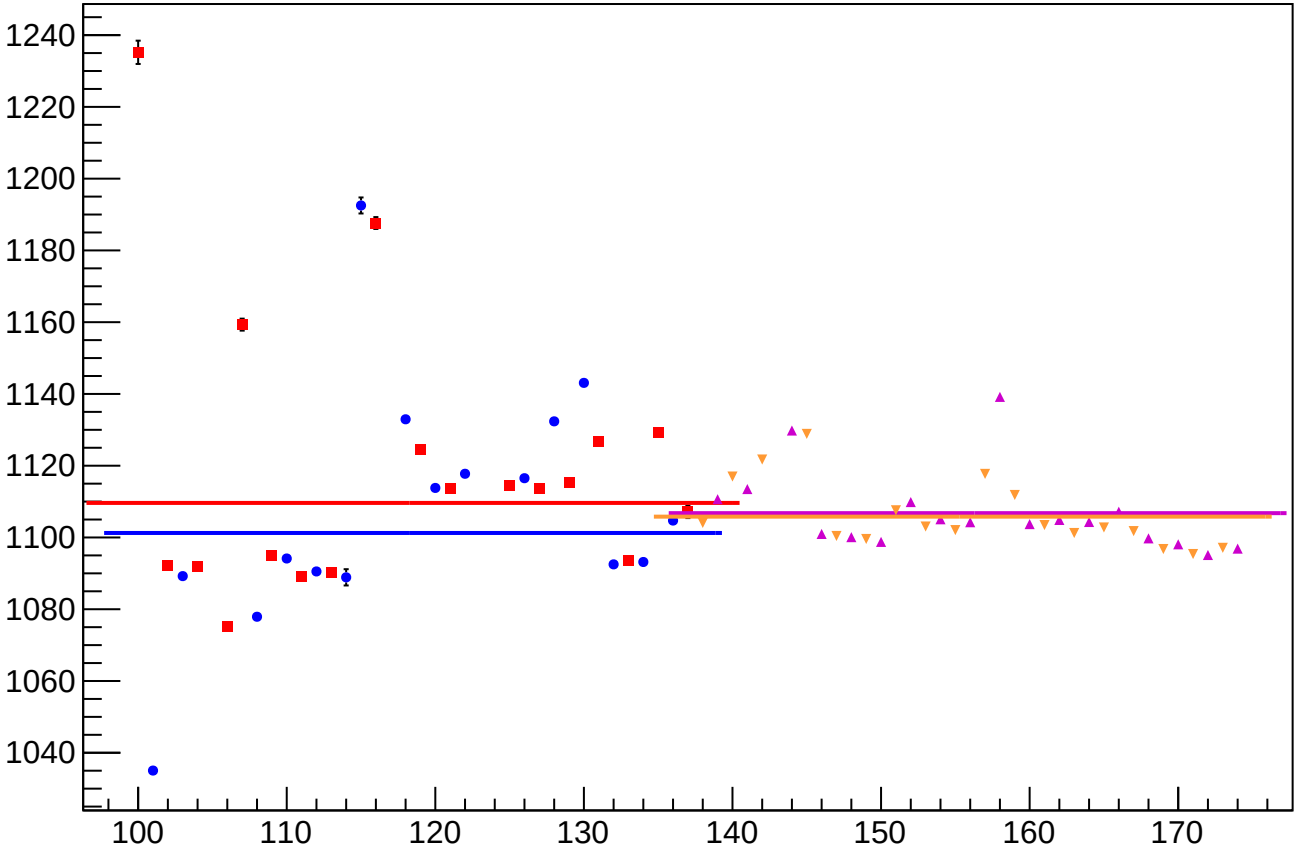
Left In: -1721.609+/-286.910 χ^2/NDF:18.7/17

+ sign 1715.813+/-238.366 χ^2/NDF: 19.7/33

All: -83.110+/-167.297 χ^2/NDF: 163.8/69

- 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: 1105.804+/-0.207 χ^2/NDF:1817.0/17

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

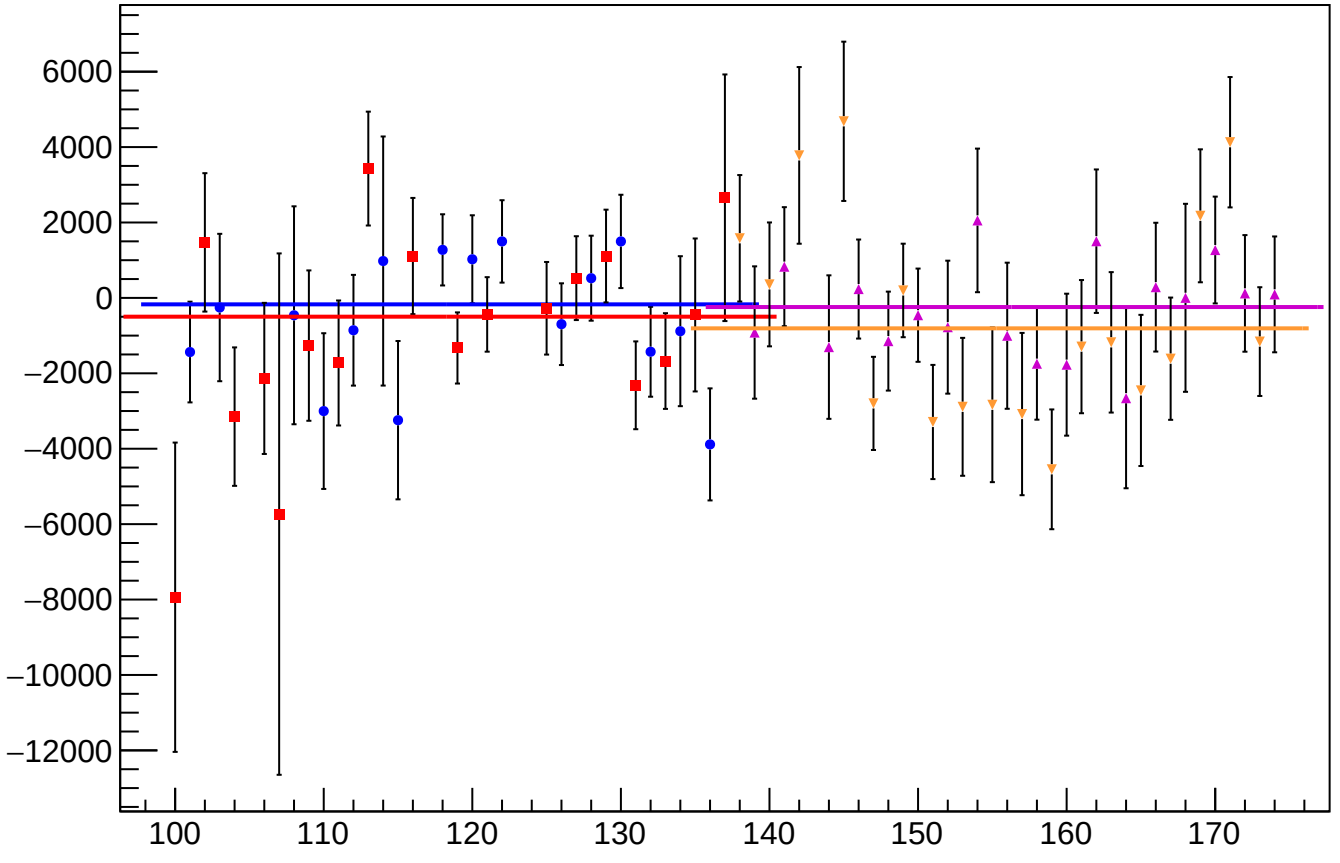
Left In: 1106.777+/-0.203 χ^2/NDF:3012.5/17

+ sign 1104.260+/-0.169 χ^2/NDF: 13288.6/33

All: 1106.015+/-0.118 χ^2/NDF: 24252.9/69

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

asym_usl_overload_cor_correction_mean vs Slug



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

Left Out: -807.262+/-395.342 χ^2/NDF:40.1/17

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

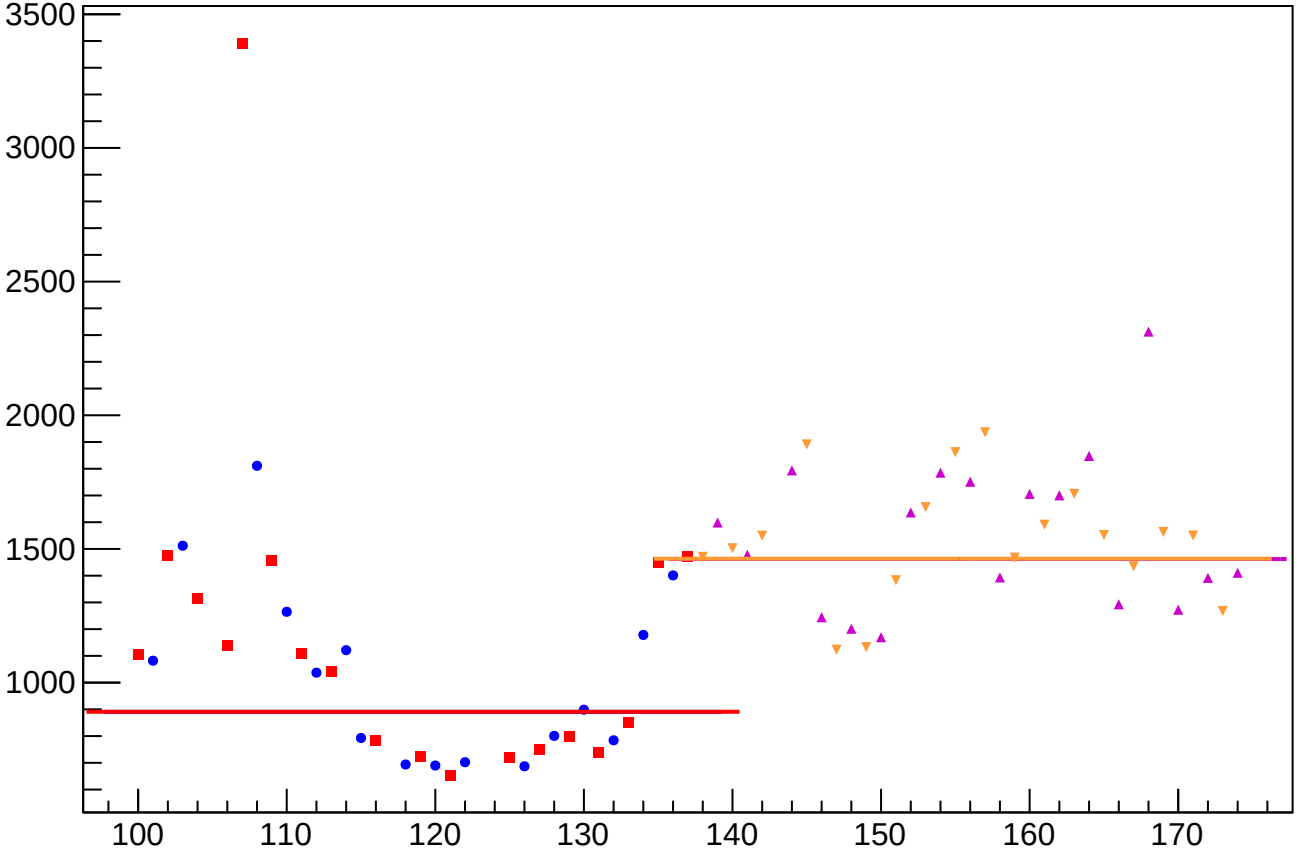
Left In: -242.181+/-385.997 χ^2/NDF:8.2/17

+ sign -446.913+/-260.358 χ^2/NDF: 62.5/33

All: -415.187+/-183.069 χ^2/NDF: 94.8/69

- 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: 1463.515+/-0.280 χ^2/NDF:676633.9/17

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

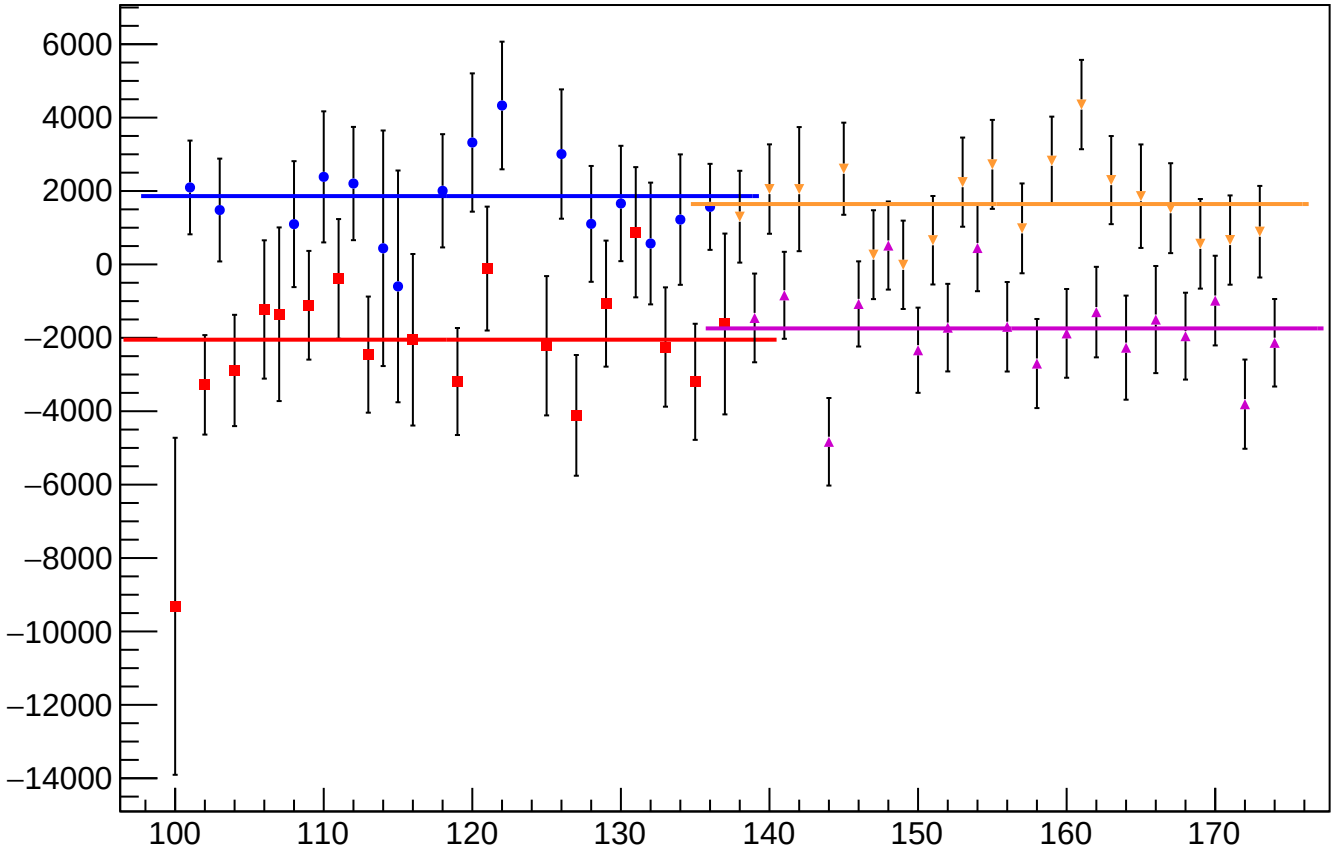
Left In: 1462.263+/-0.273 χ^2/NDF:856495.1/17

+ sign 1139.018+/-0.184 χ^2/NDF: 4184759.6/33

All: 1142.104+/-0.129 χ^2/NDF: 8815812.9/69

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

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1644.991+/-293.560 χ^2/NDF:14.1/17

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

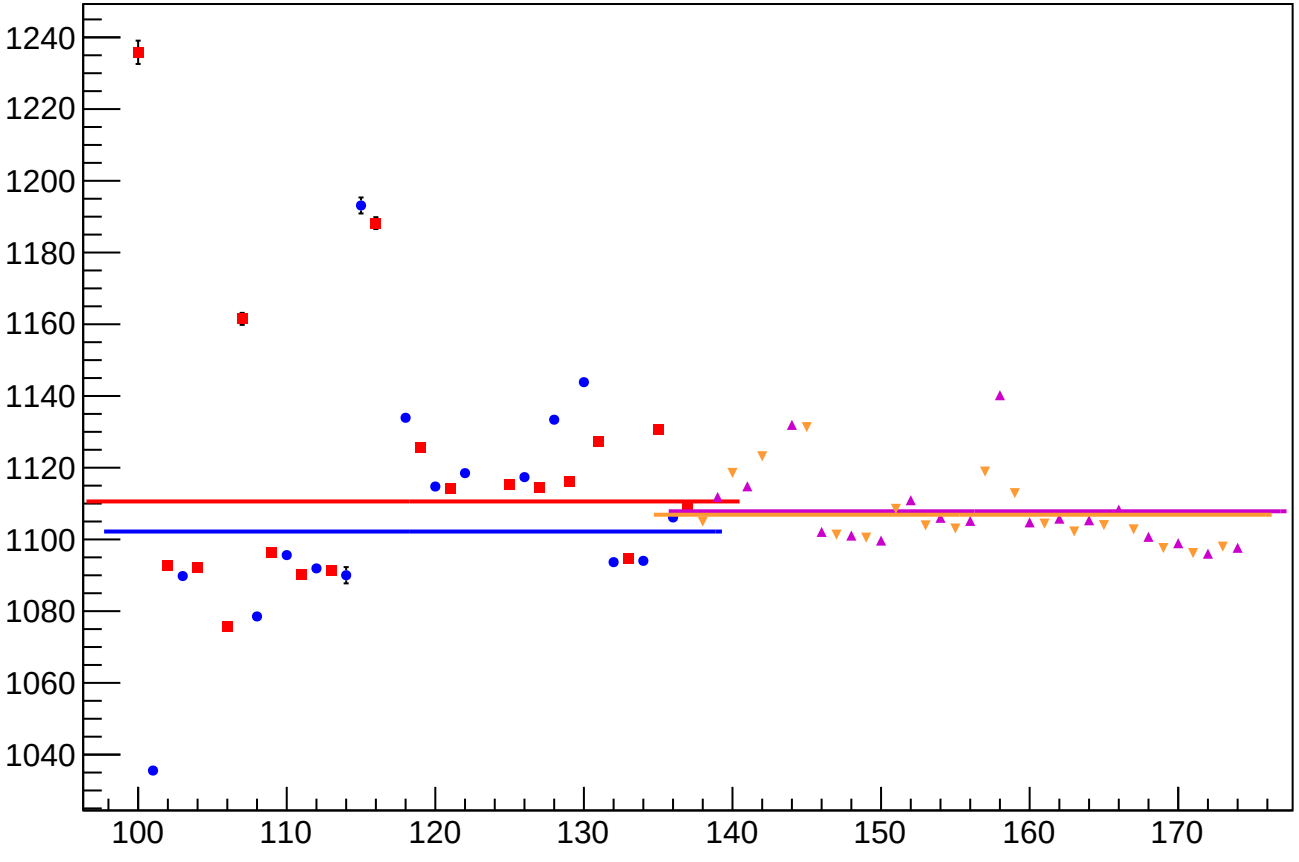
Left In: -1743.586+/-287.188 χ^2/NDF:19.3/17

+ sign 1718.490+/-238.592 χ^2/NDF: 19.6/33

All: -89.650+/-167.455 χ^2/NDF: 165.0/69

- 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: 1106.889+/-0.208 χ^2/NDF:1950.5/17

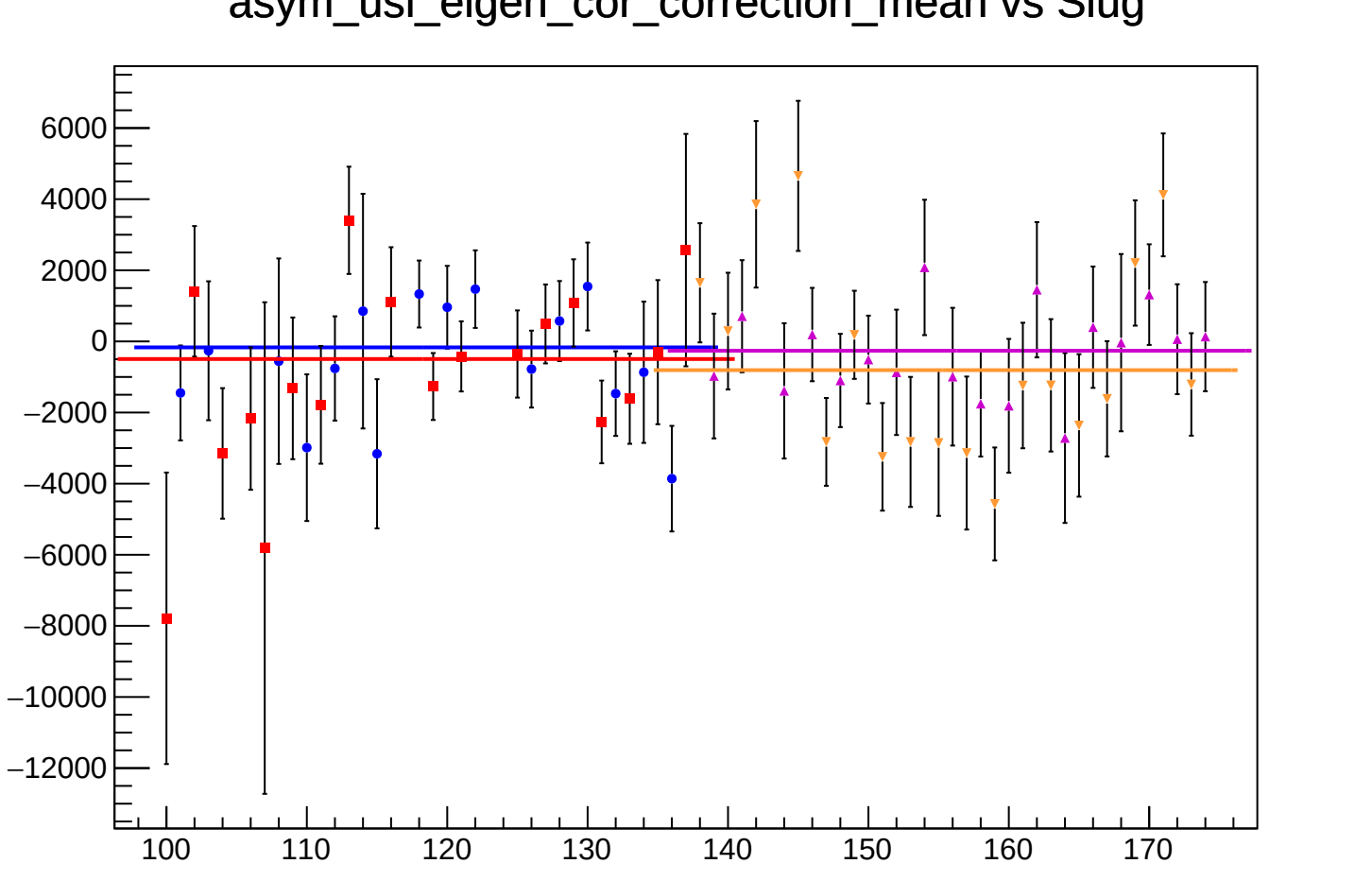
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

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

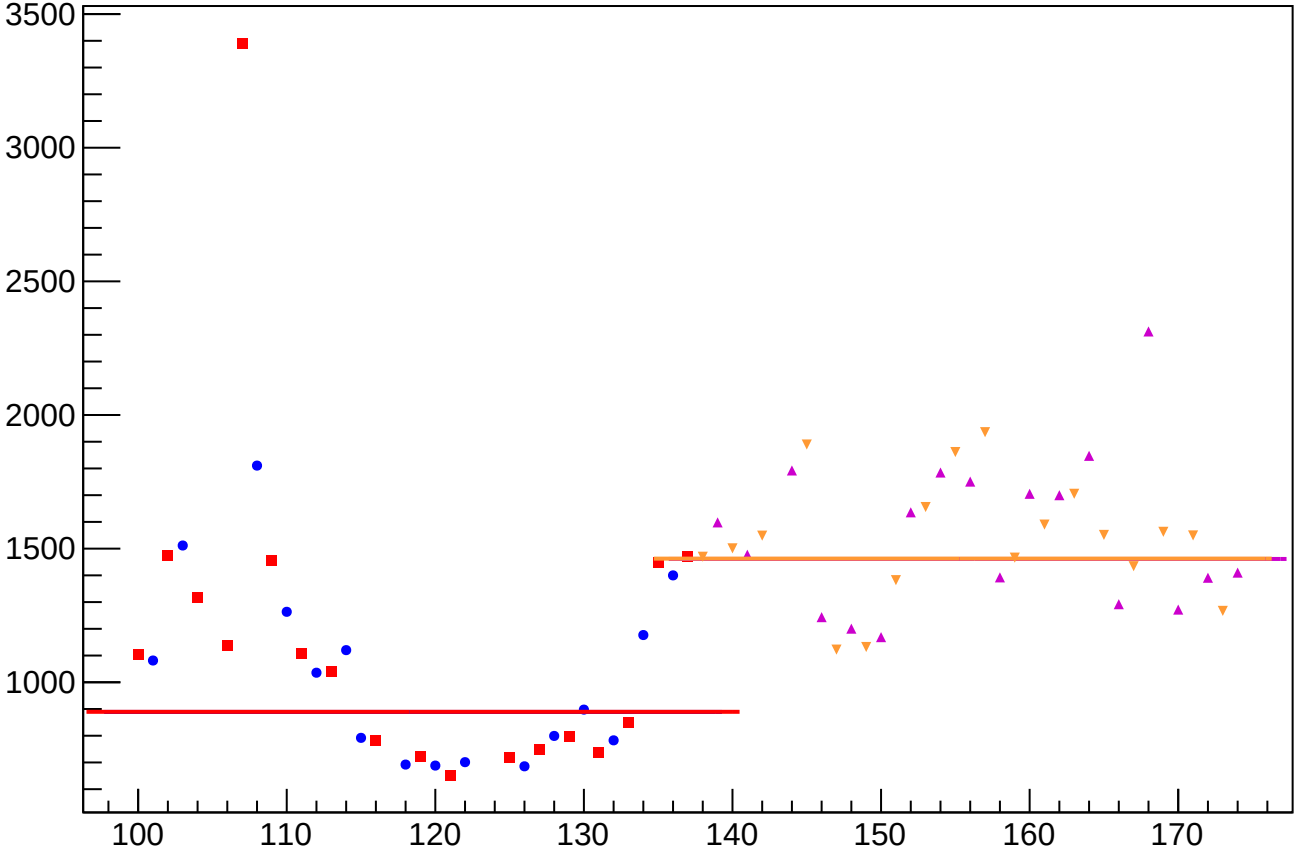
+ sign 1105.299+/-0.169 χ^2/NDF: 13472.2/33

All: 1107.052+/-0.118 χ^2/NDF: 24548.3/69

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


asym_usl_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -808.019+/-395.114 χ²/NDF:40.3/17
Right Out: -495.172+/-345.054 χ²/NDF: 23.3/17
Left In: -261.860+/-385.775 χ²/NDF:8.3/17
+ sign -445.211+/-260.063 χ²/NDF: 62.8/33
All: -418.044+/-182.867 χ²/NDF: 94.6/69
- sign -391.476+/-257.186 χ²/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: 1462.633+/-0.279 χ^2/NDF:677664.8/17

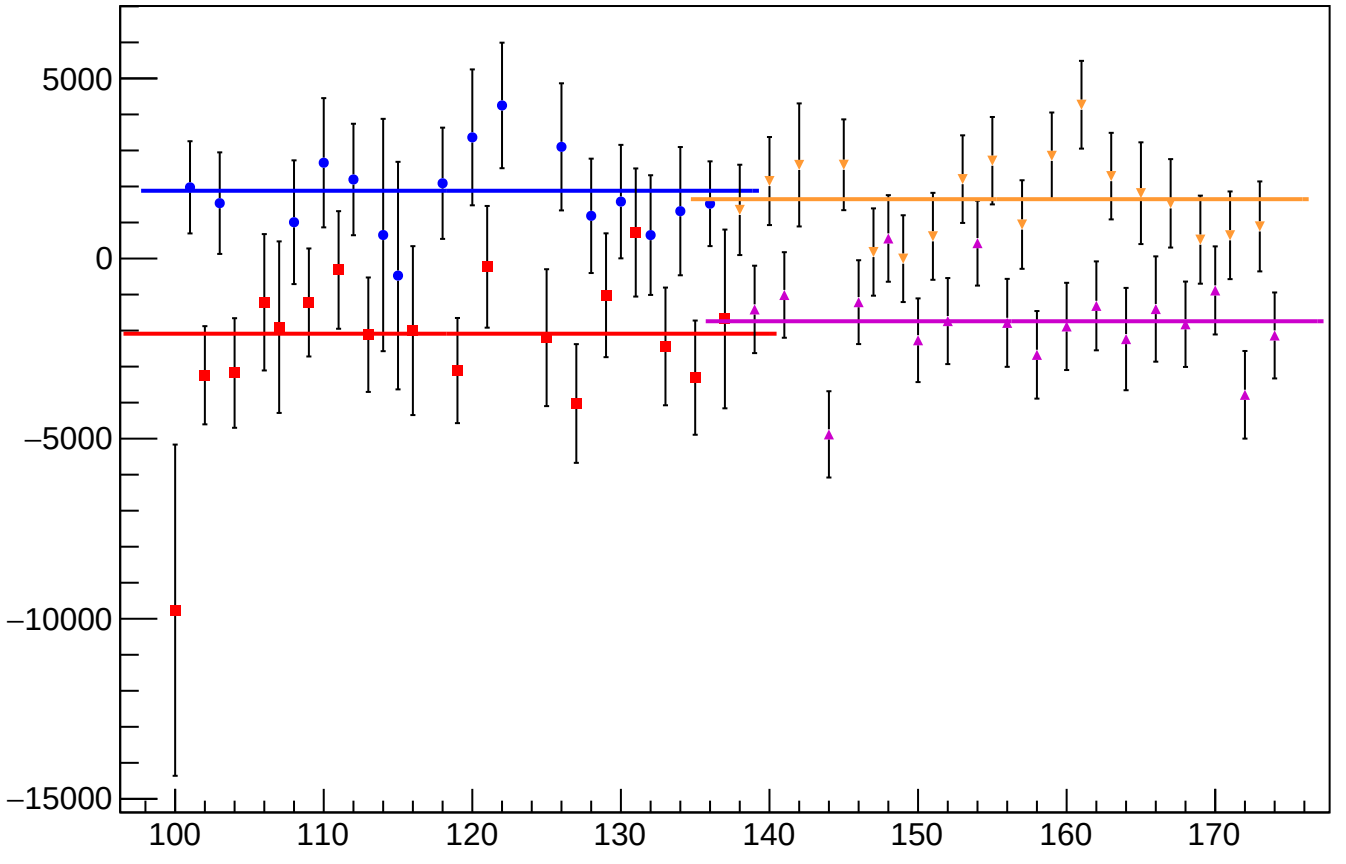
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

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

+ sign 1137.487+/-0.184 χ^2/NDF: 4200056.5/33

All: 1140.610+/-0.129 χ^2/NDF: 8846039.6/69

- 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: 1647.782+/-294.136 χ^2/NDF:14.3/17

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

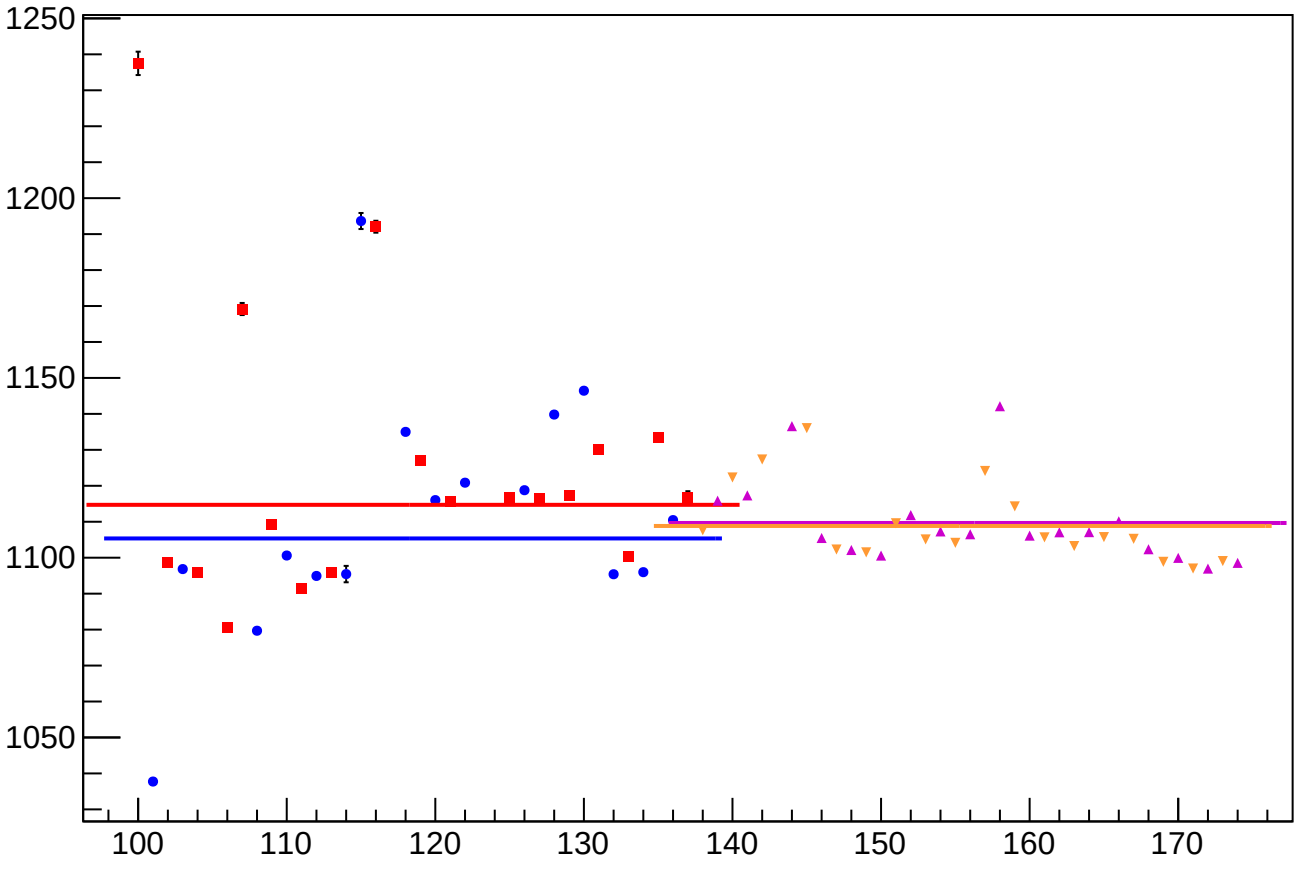
Left In: -1741.099+/-287.663 χ^2/NDF:19.1/17

+ sign 1727.026+/-239.134 χ^2/NDF: 19.7/33

All: -90.339+/-167.841 χ^2/NDF: 165.5/69

- 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: 1108.828+/-0.208 χ^2/NDF:2473.0/17

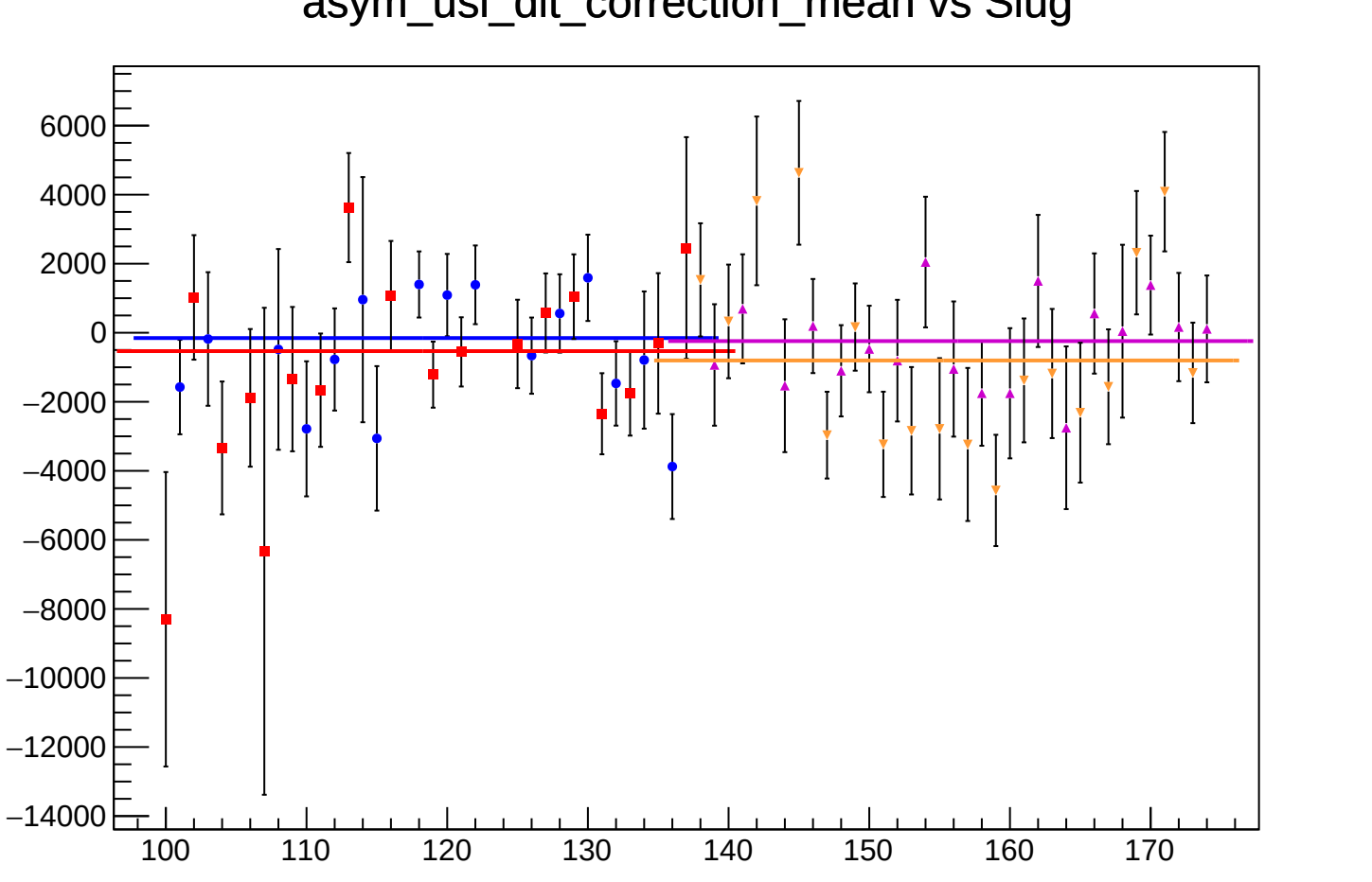
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

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

+ sign 1107.650+/-0.169 χ^2/NDF: 13898.4/33

All: 1109.511+/-0.119 χ^2/NDF: 25121.4/69

- 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: -803.224+/-399.323 χ^2/NDF:39.8/17

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

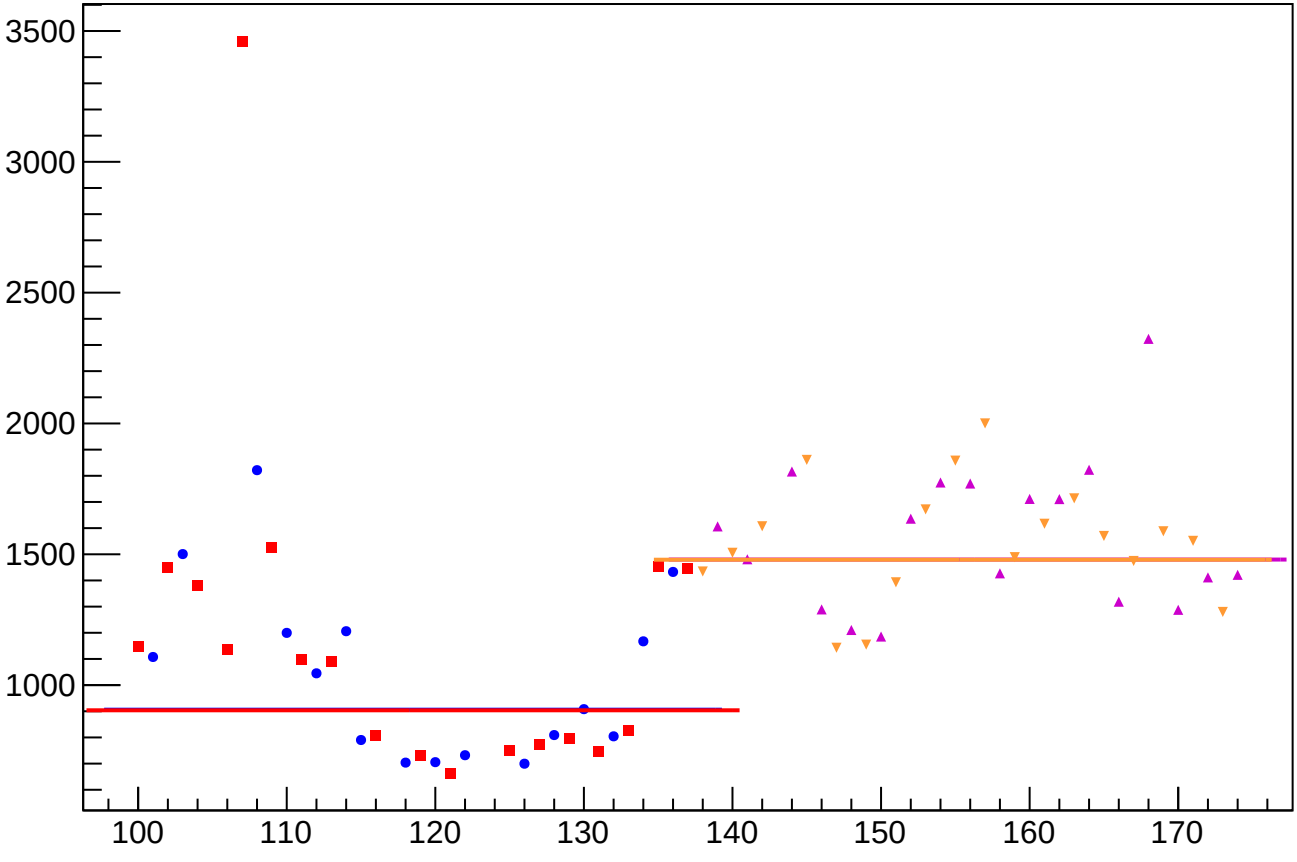
Left In: -241.737+/-390.087 χ^2/NDF:8.5/17

+ sign -437.261+/-263.767 χ^2/NDF: 61.8/33

All: -419.657+/-185.410 χ^2/NDF: 93.8/69

- 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: 1479.266+/-0.282 χ^2/NDF:652796.3/17

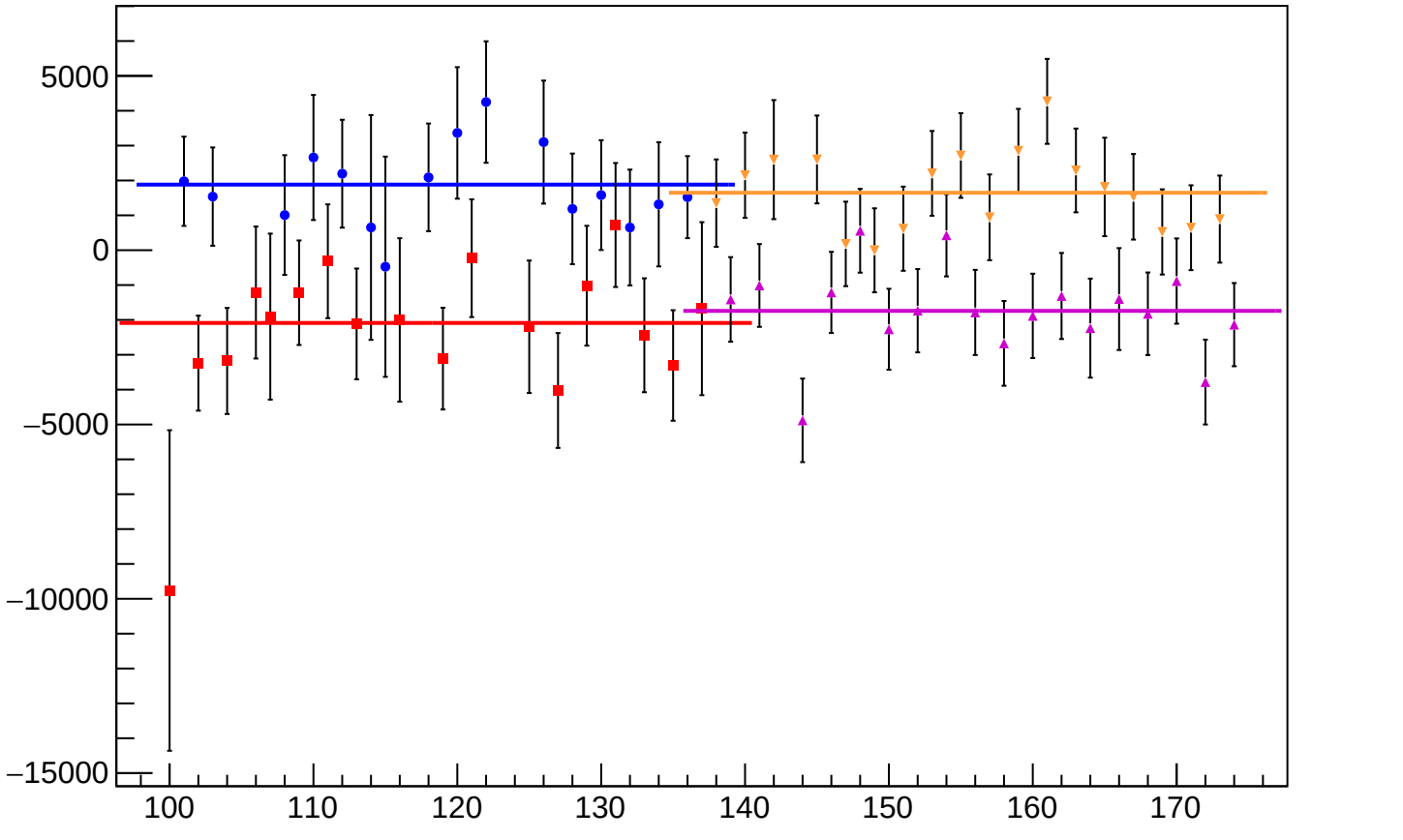
Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

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

+ sign 1156.141+/-0.187 χ^2/NDF: 4055403.4/33

All: 1158.612+/-0.131 χ^2/NDF: 8612999.9/69

- 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: 1647.778+/-294.136 χ^2/NDF:14.3/17

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

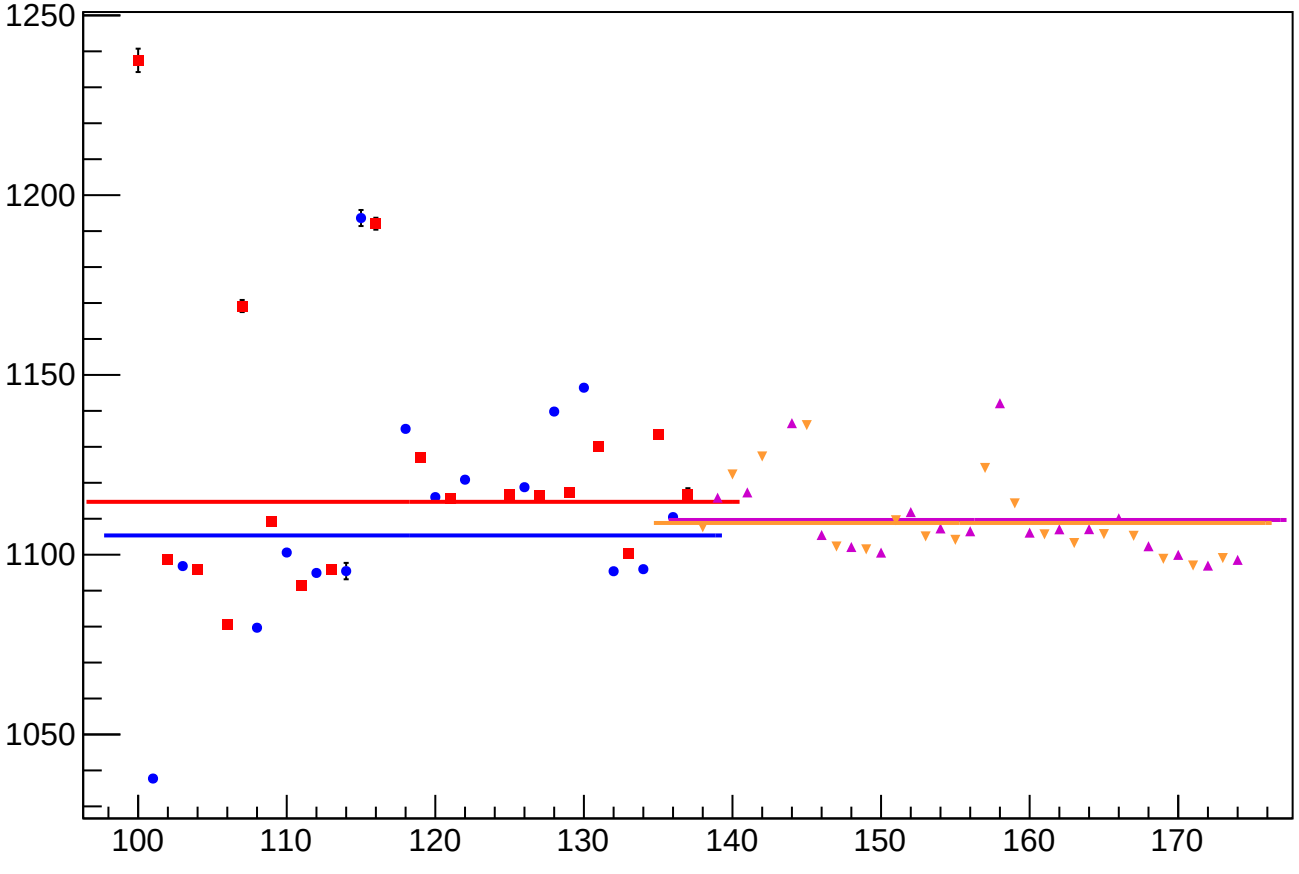
Left In: -1741.100+/-287.663 χ^2/NDF:19.1/17

+ sign 1727.023+/-239.134 χ^2/NDF: 19.7/33

All: -90.341+/-167.841 χ^2/NDF: 165.5/69

- 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: 1108.828+/-0.208 χ^2/NDF:2473.0/17

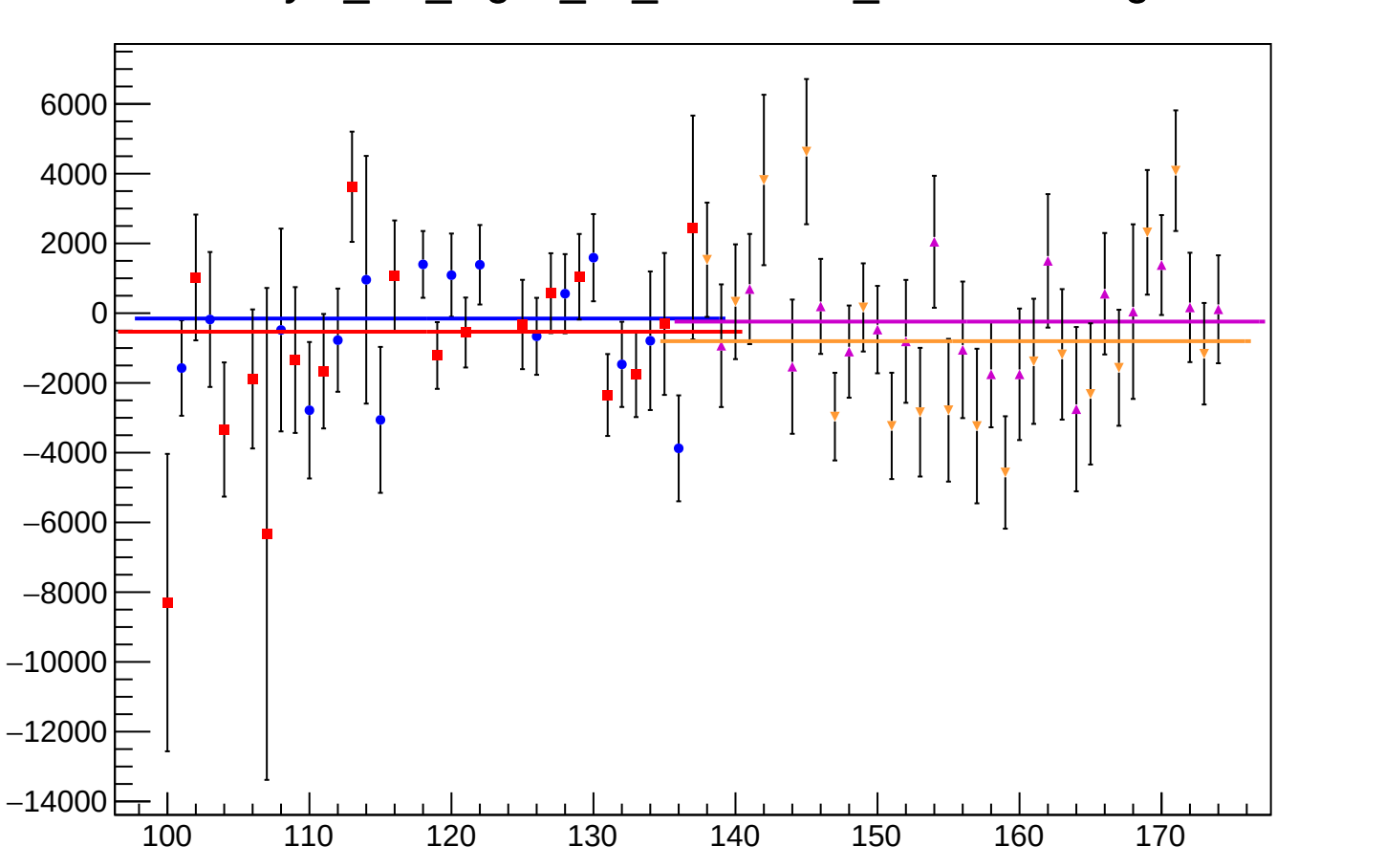
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

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

+ sign 1107.650+/-0.169 χ^2/NDF: 13898.4/33

All: 1109.511+/-0.119 χ^2/NDF: 25121.4/69

- 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: -803.228+/-399.324 χ^2/NDF:39.8/17

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

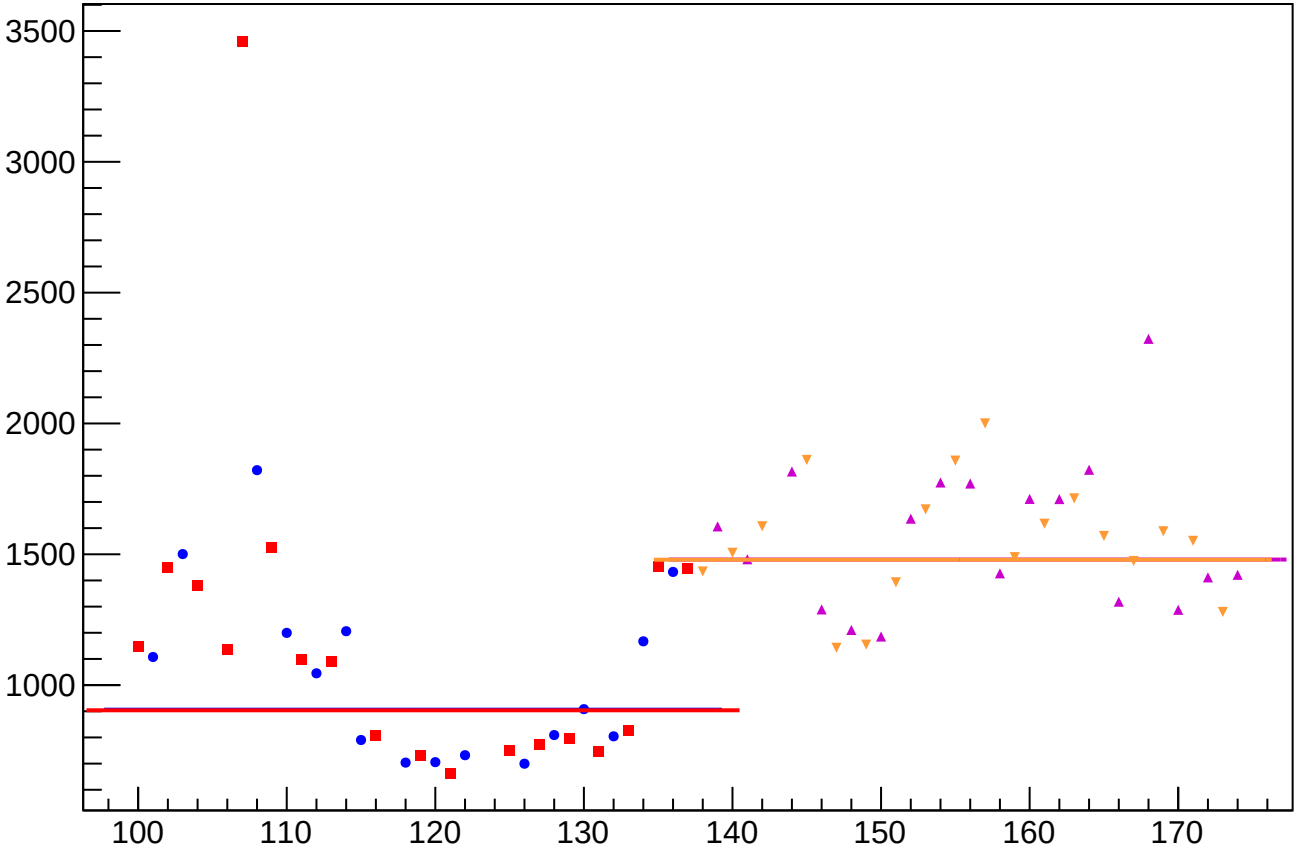
Left In: -241.737+/-390.087 χ^2/NDF:8.5/17

\+ sign -437.261+/-263.767 χ^2/NDF: 61.8/33

All: -419.658+/-185.410 χ^2/NDF: 93.8/69

\- 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: 1479.268+/-0.282 χ^2/NDF:652793.0/17

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

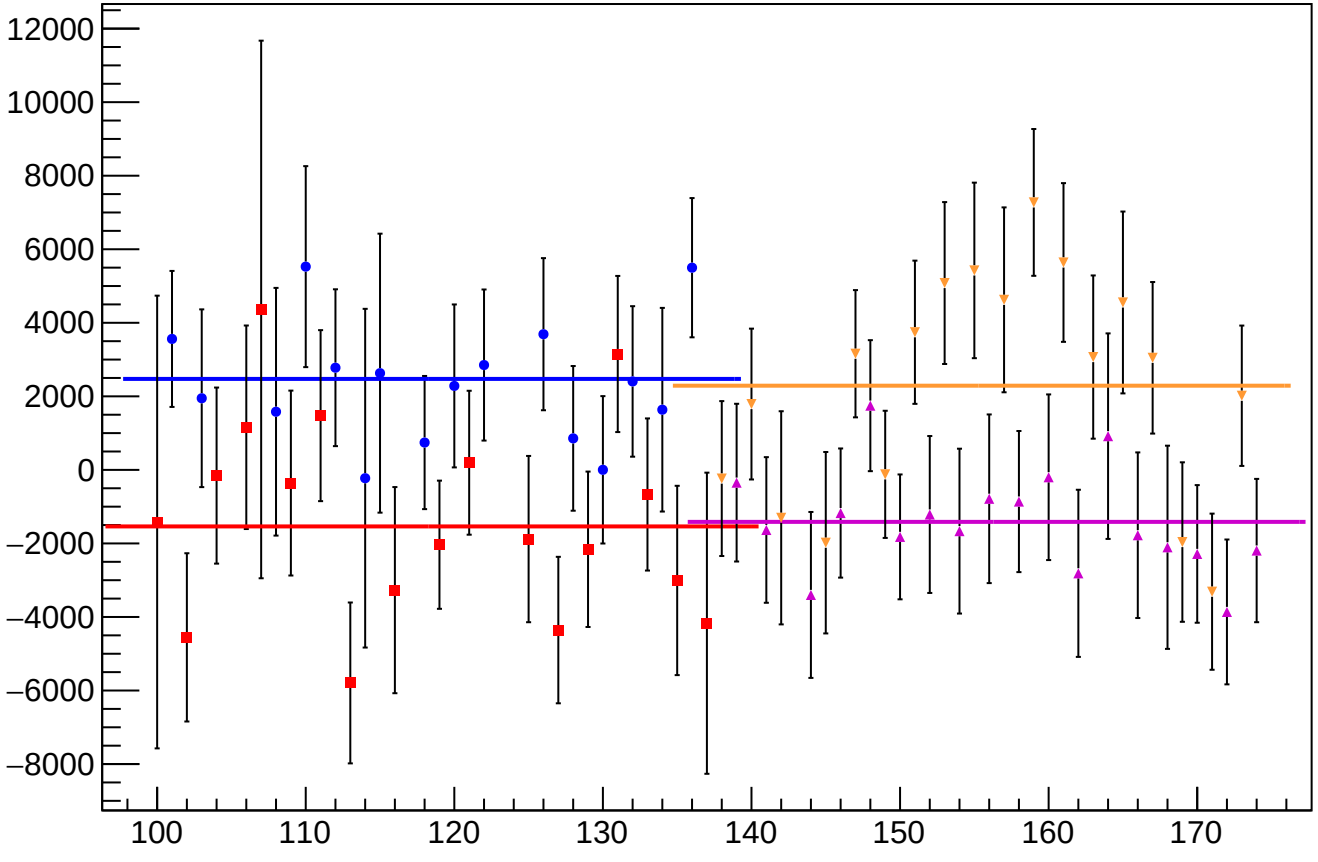
Left In: 1479.868+/-0.276 χ^2/NDF:802986.1/17

+ sign 1156.139+/-0.187 χ^2/NDF: 4055435.7/33

All: 1158.611+/-0.131 χ^2/NDF: 8613064.8/69

- 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: 2289.757+/-500.273 χ^2/NDF:33.5/17

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

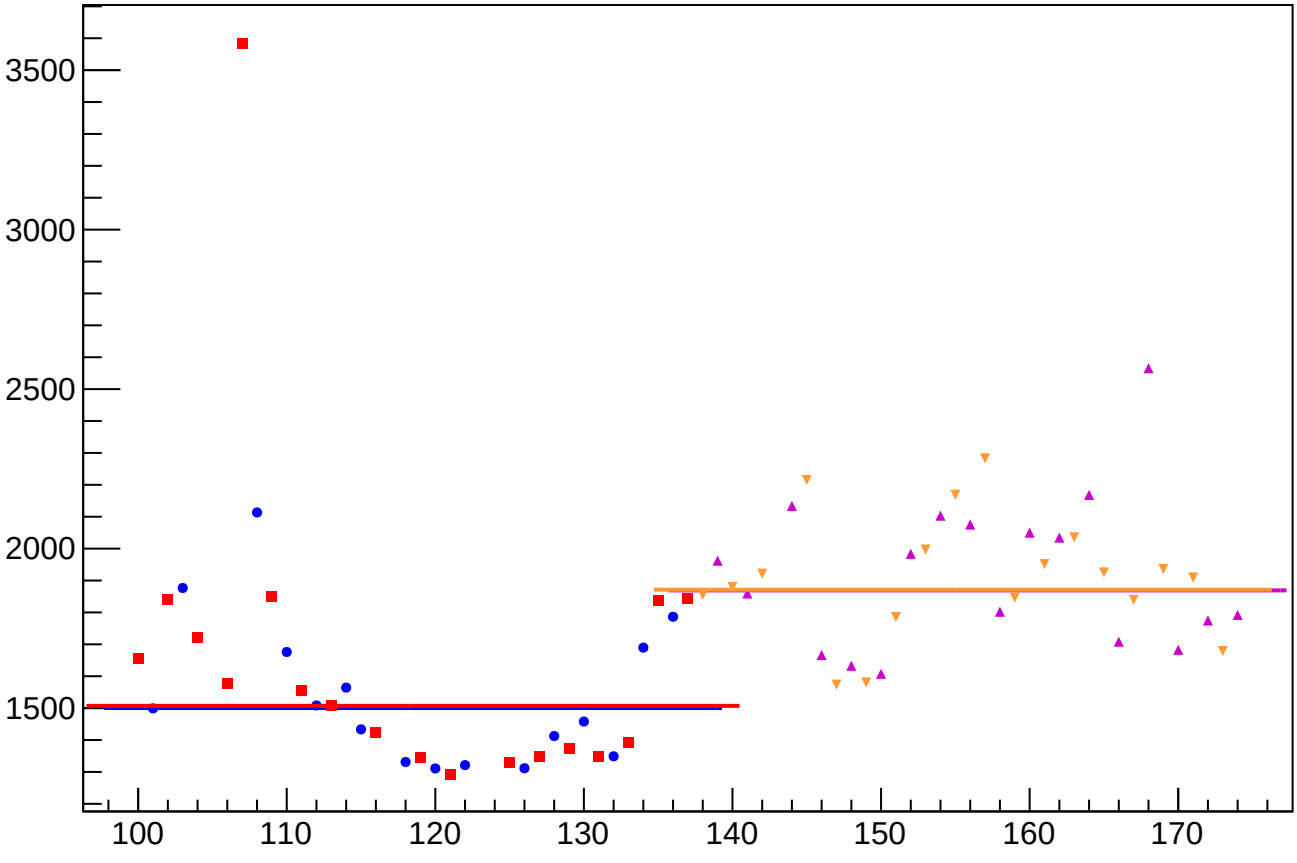
Left In: -1413.649+/-488.583 χ^2/NDF:7.8/17

+ sign 2371.109+/-373.905 χ^2/NDF: 41.8/33

All: 427.675+/-262.698 χ^2/NDF: 121.5/69

- 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: 1871.284+/-0.354 χ^2/NDF:288795.6/17

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

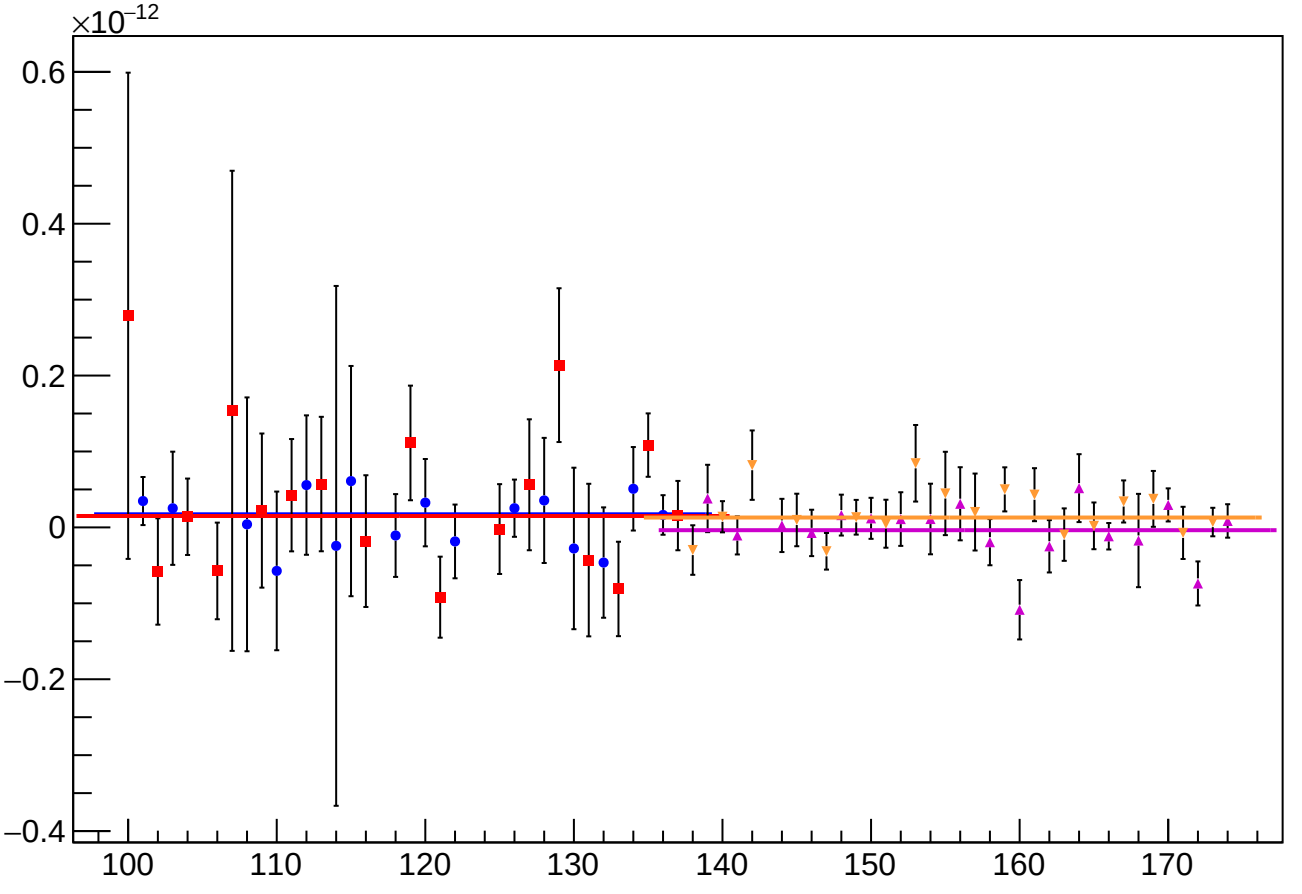
Left In: 1869.047+/-0.345 χ^2/NDF:397991.3/17

+ sign 1707.570+/-0.264 χ^2/NDF: 1032839.7/33

All: 1710.691+/-0.186 χ^2/NDF: 2303320.2/69

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

asym_usl_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/17

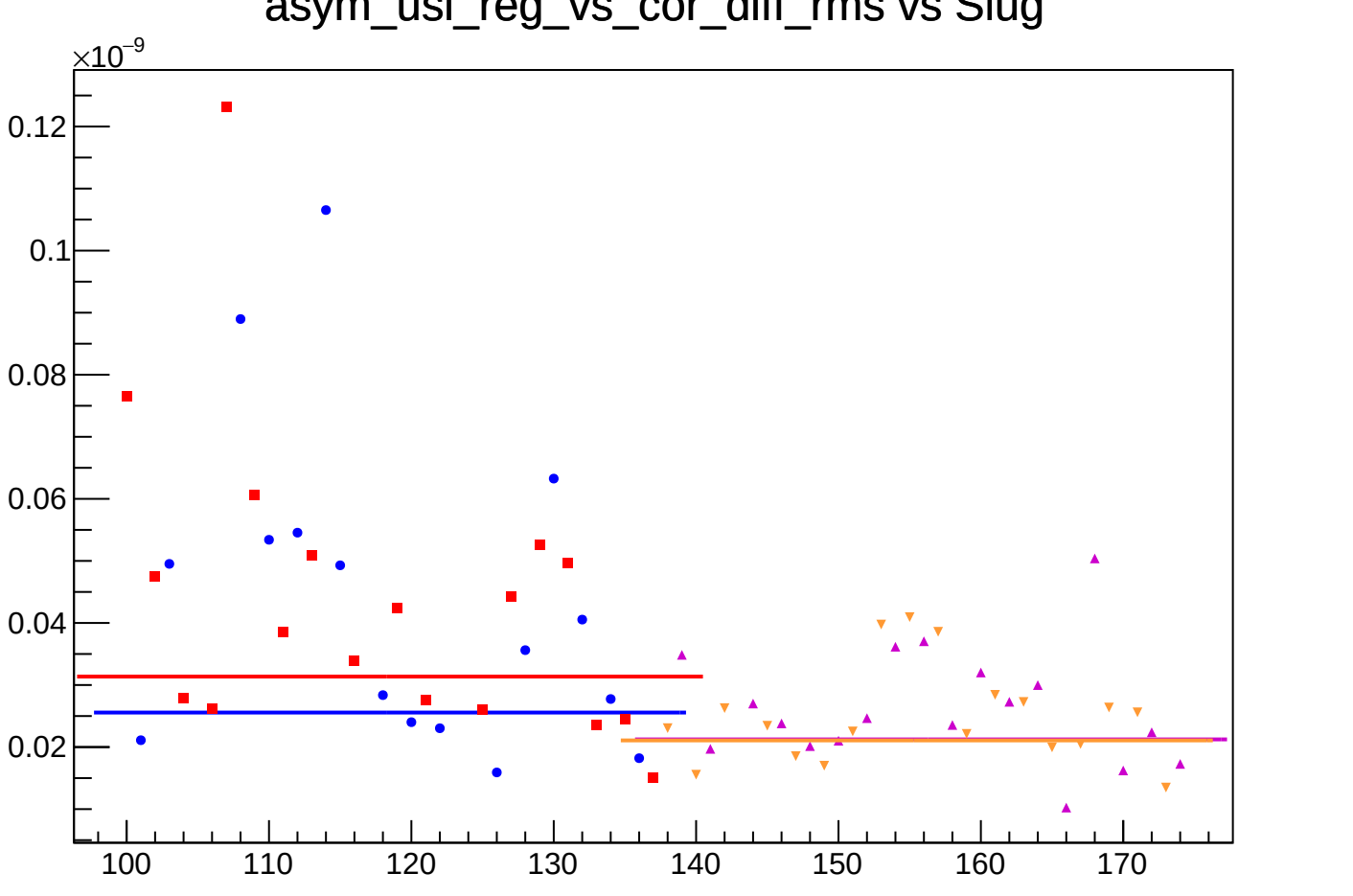
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

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

+ sign 0.000+/-0.000 χ^2/NDF: 17.7/33

All: 0.000+/-0.000 χ^2/NDF: 63.6/69

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



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

Left Out: 0.000+/-0.000 χ^2/NDF:1614683.4/17

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

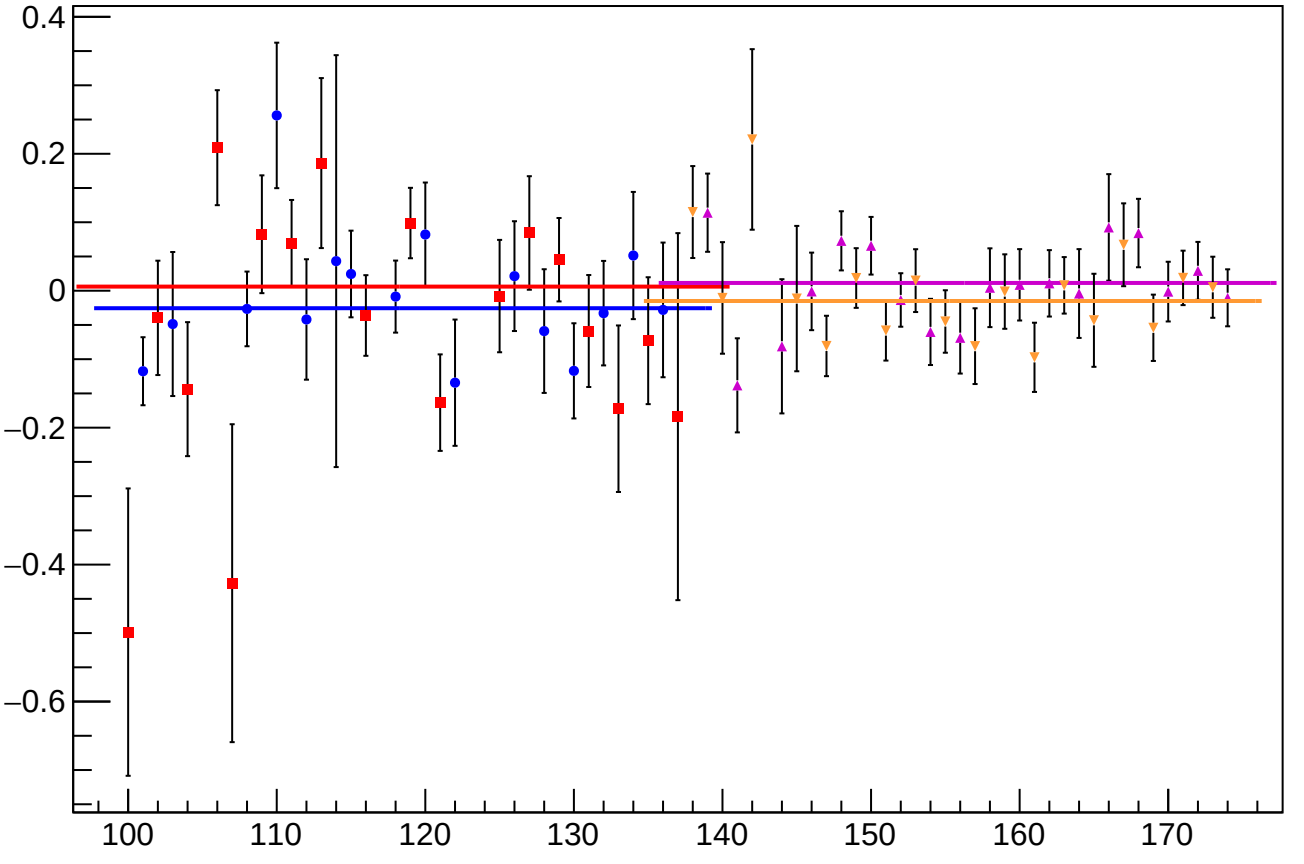
Left In: 0.000+/-0.000 χ^2/NDF:2428334.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 3495540.5/33

All: 0.000+/-0.000 χ^2/NDF: 7834068.1/69

- 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: -0.015+/-0.012 χ^2/NDF:19.6/17

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

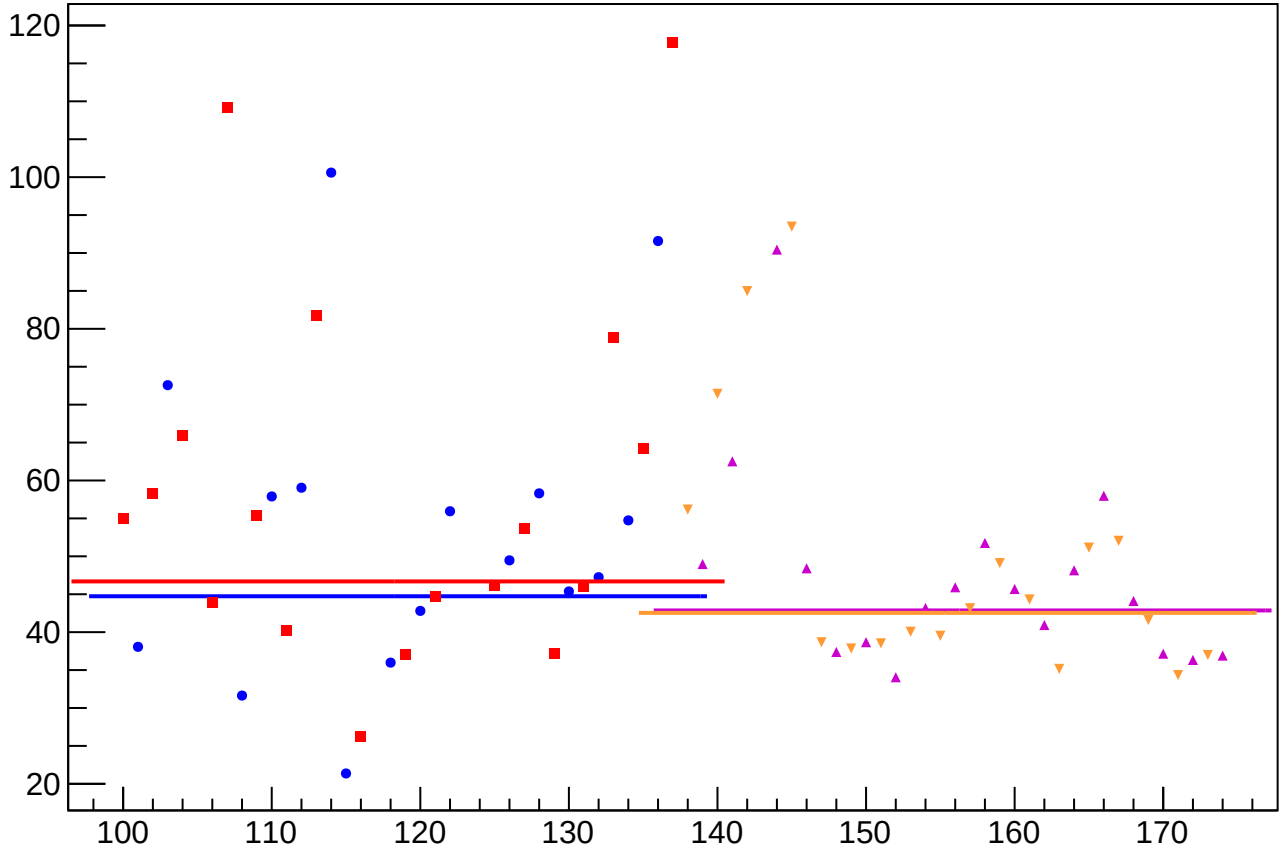
Left In: 0.011+/-0.012 χ^2/NDF:21.4/17

+ sign -0.018+/-0.010 χ^2/NDF: 37.5/33

All: -0.004+/-0.007 χ^2/NDF: 99.2/69

- 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: 42.543+/-0.009 χ^2/NDF:1365530.2/17

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

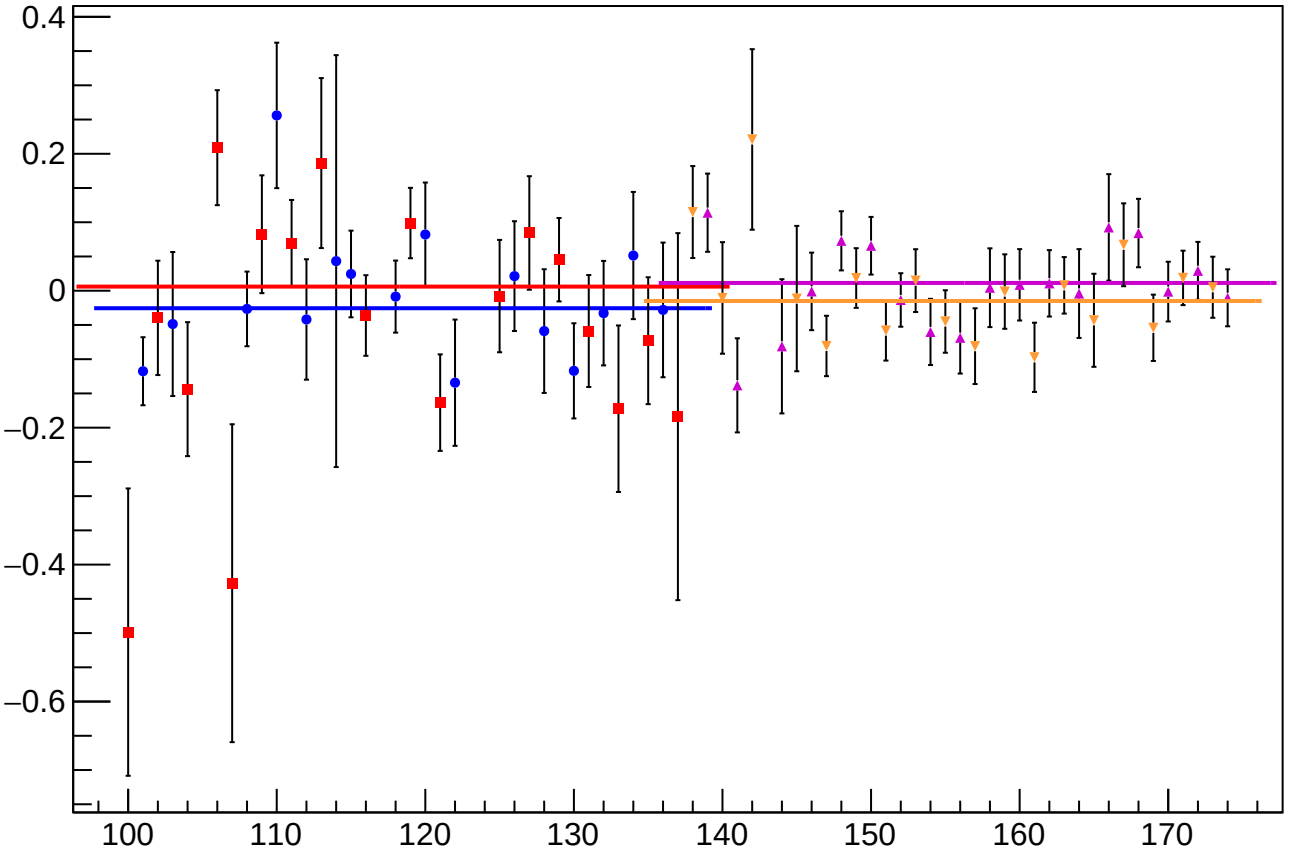
Left In: 42.863+/-0.008 χ^2/NDF:1108062.3/17

+ sign 43.193+/-0.007 χ^2/NDF: 2719221.3/33

All: 43.555+/-0.005 χ^2/NDF: 5084290.0/69

- 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: -0.015+/-0.012 χ^2/NDF:19.6/17

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

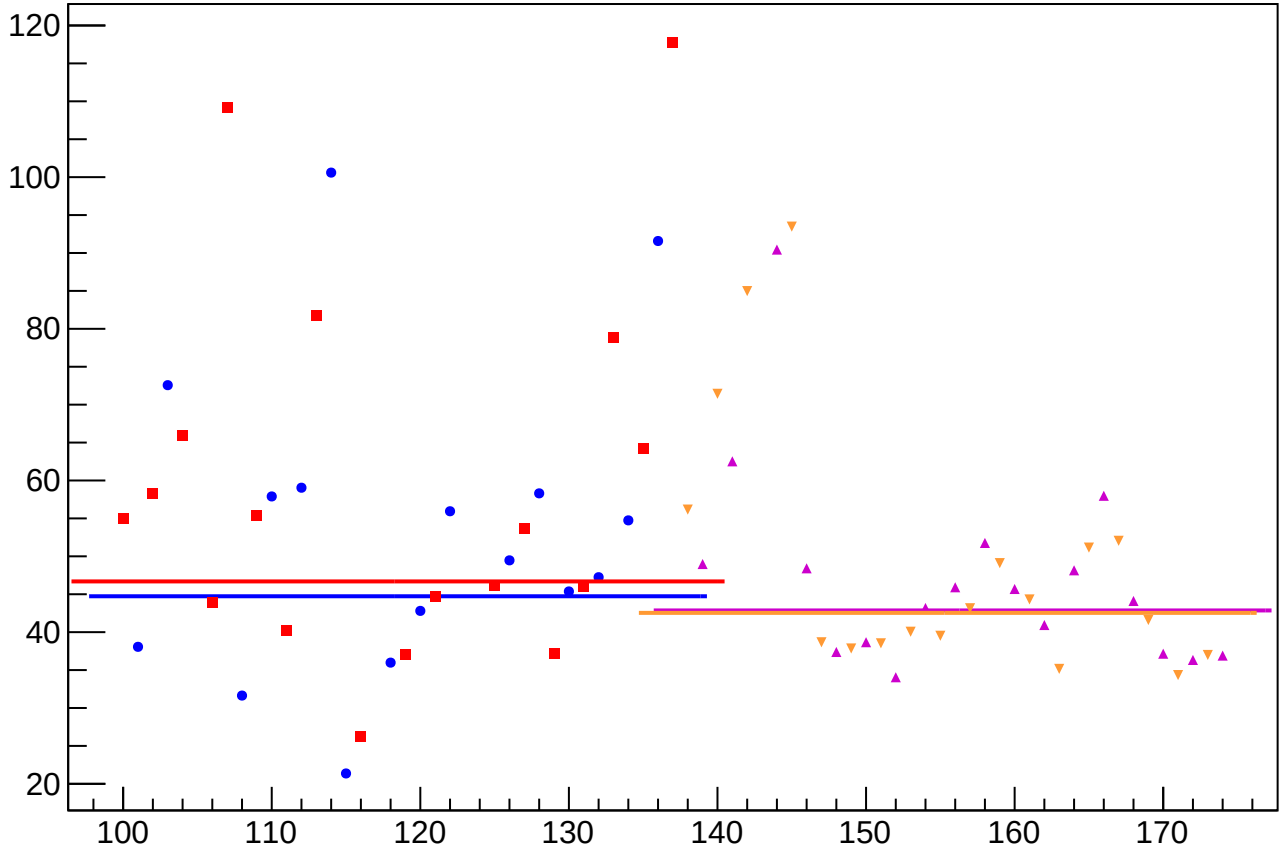
Left In: 0.011+/-0.012 χ^2/NDF:21.4/17

+ sign -0.018+/-0.010 χ^2/NDF: 37.5/33

All: -0.004+/-0.007 χ^2/NDF: 99.2/69

- 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: 42.543+/-0.009 χ^2/NDF:1365530.2/17

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

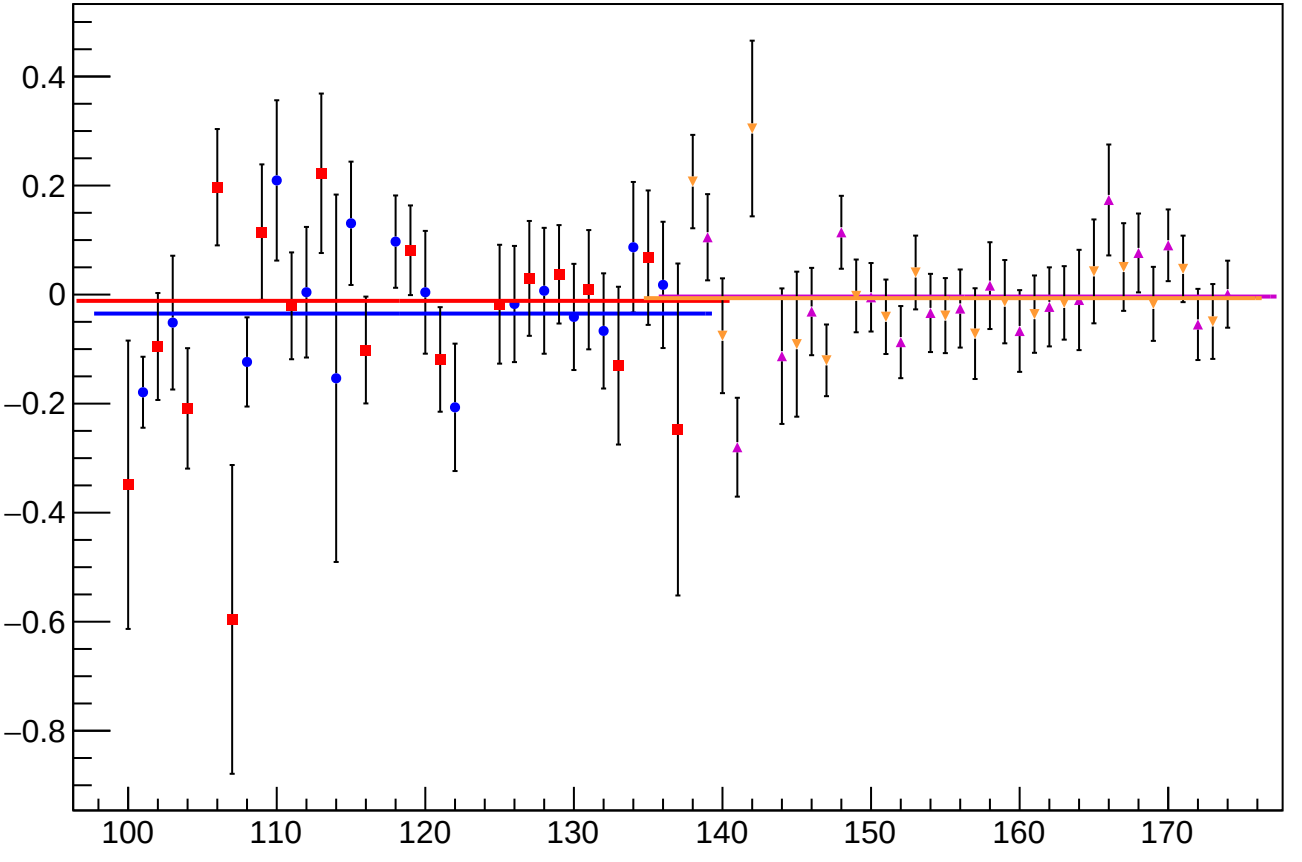
Left In: 42.863+/-0.008 χ^2/NDF:1108062.3/17

+ sign 43.193+/-0.007 χ^2/NDF: 2719221.3/33

All: 43.555+/-0.005 χ^2/NDF: 5084290.0/69

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

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.007+/-0.018 χ^2/NDF:17.5/17

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

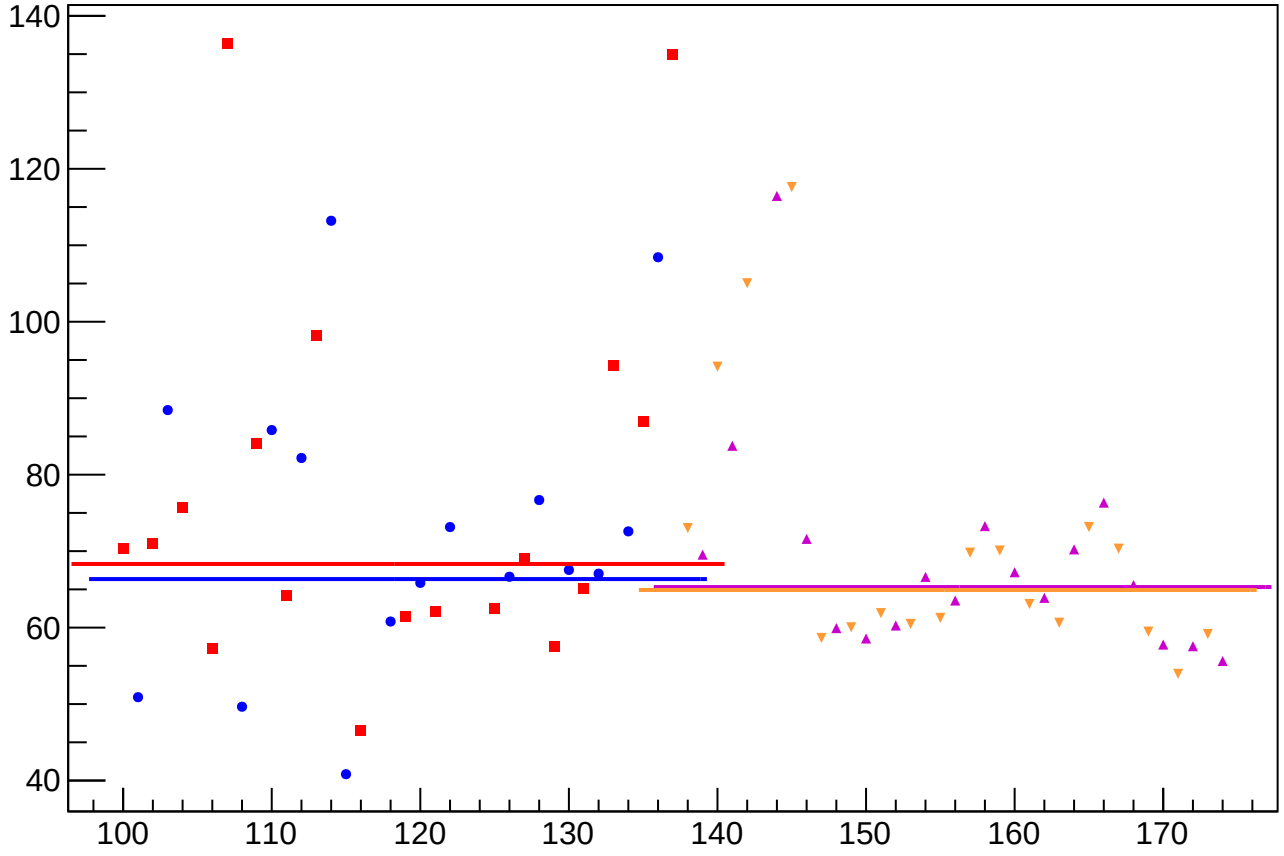
Left In: -0.004+/-0.018 χ^2/NDF:24.8/17

+ sign -0.016+/-0.015 χ^2/NDF: 35.8/33

All: -0.011+/-0.010 χ^2/NDF: 83.6/69

- 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: 64.921+/-0.013 χ^2/NDF:797636.9/17

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

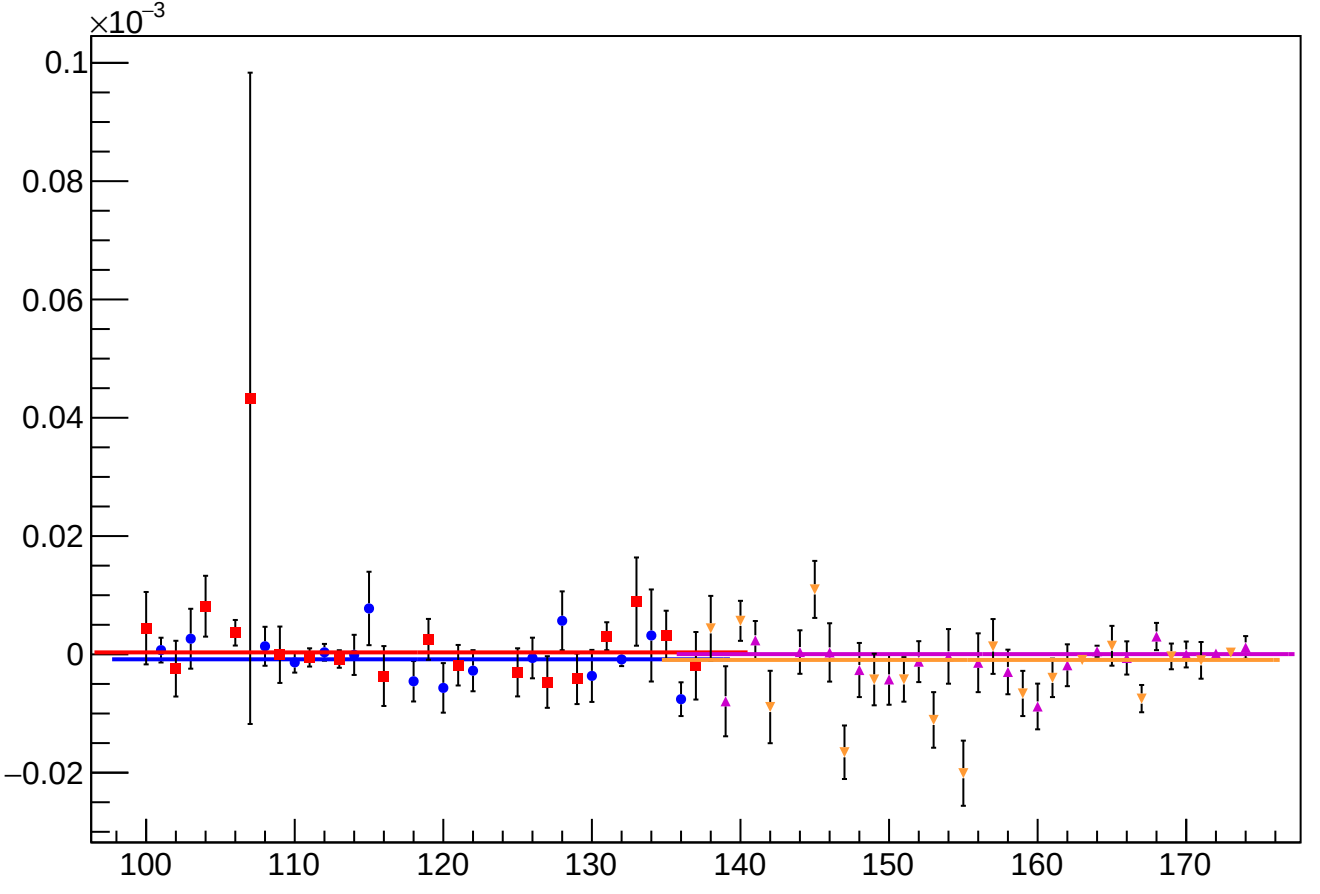
Left In: 65.305+/-0.012 χ^2/NDF:644327.4/17

+ sign 65.374+/-0.010 χ^2/NDF: 1574321.2/33

All: 65.792+/-0.007 χ^2/NDF: 2869156.1/69

- 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:57.8/17

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

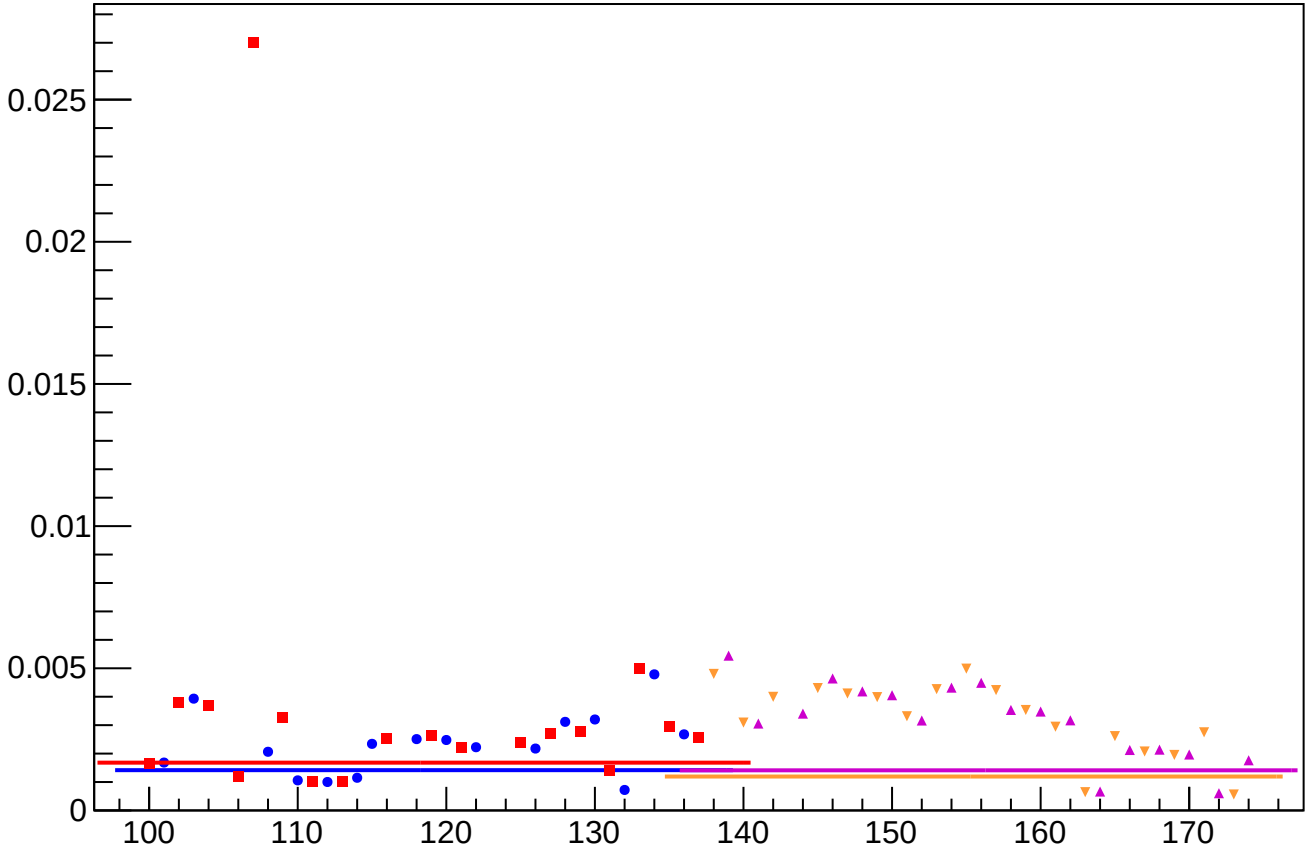
Left In: 0.000+/-0.000 χ^2/NDF:12.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 72.9/33

All: -0.000+/-0.000 χ^2/NDF: 103.9/69

- 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:13154064.8/17

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

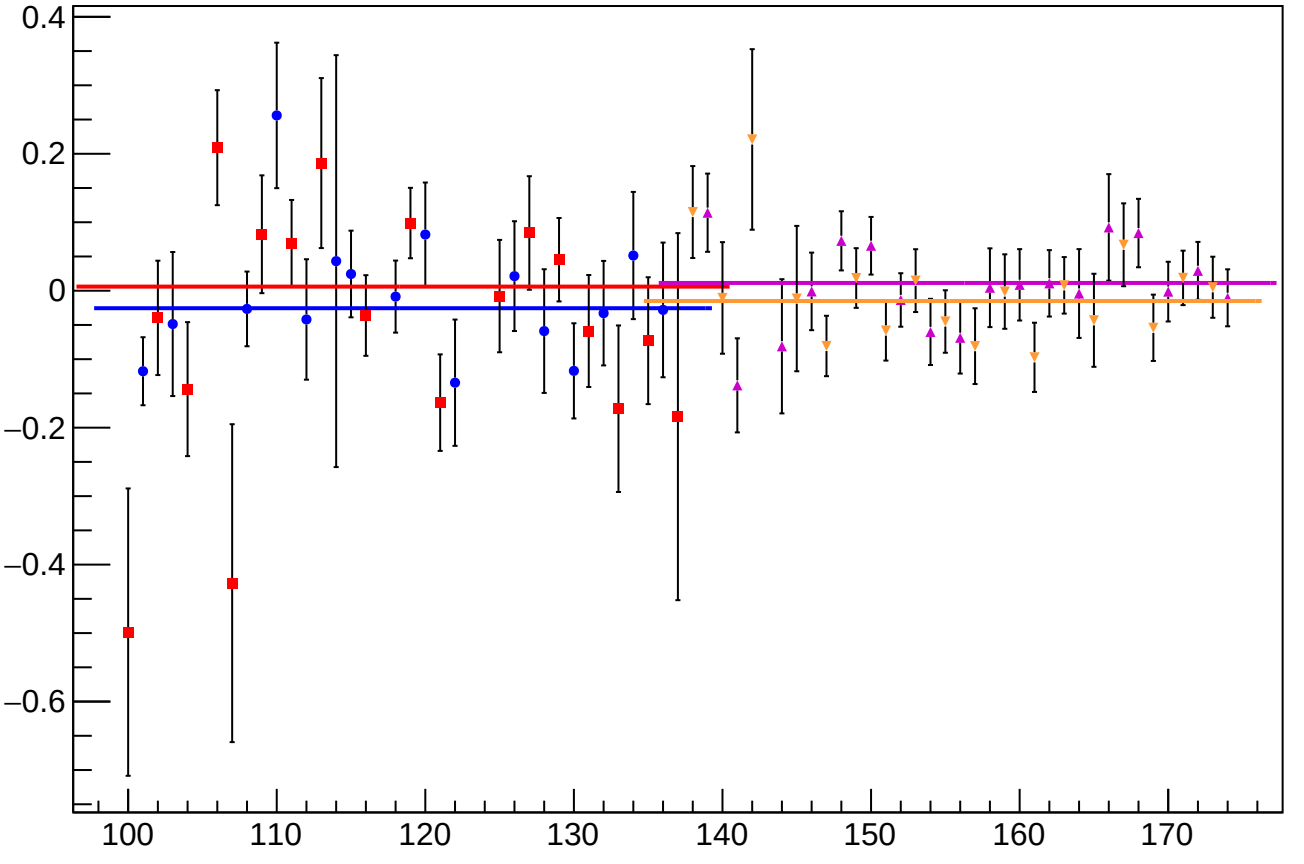
Left In: 0.001+/-0.000 χ^2/NDF:11960126.1/17

+ sign 0.001+/-0.000 χ^2/NDF: 16874839.5/33

All: 0.001+/-0.000 χ^2/NDF: 32800365.2/69

- 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: -0.015+/-0.012 χ^2/NDF:19.6/17

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

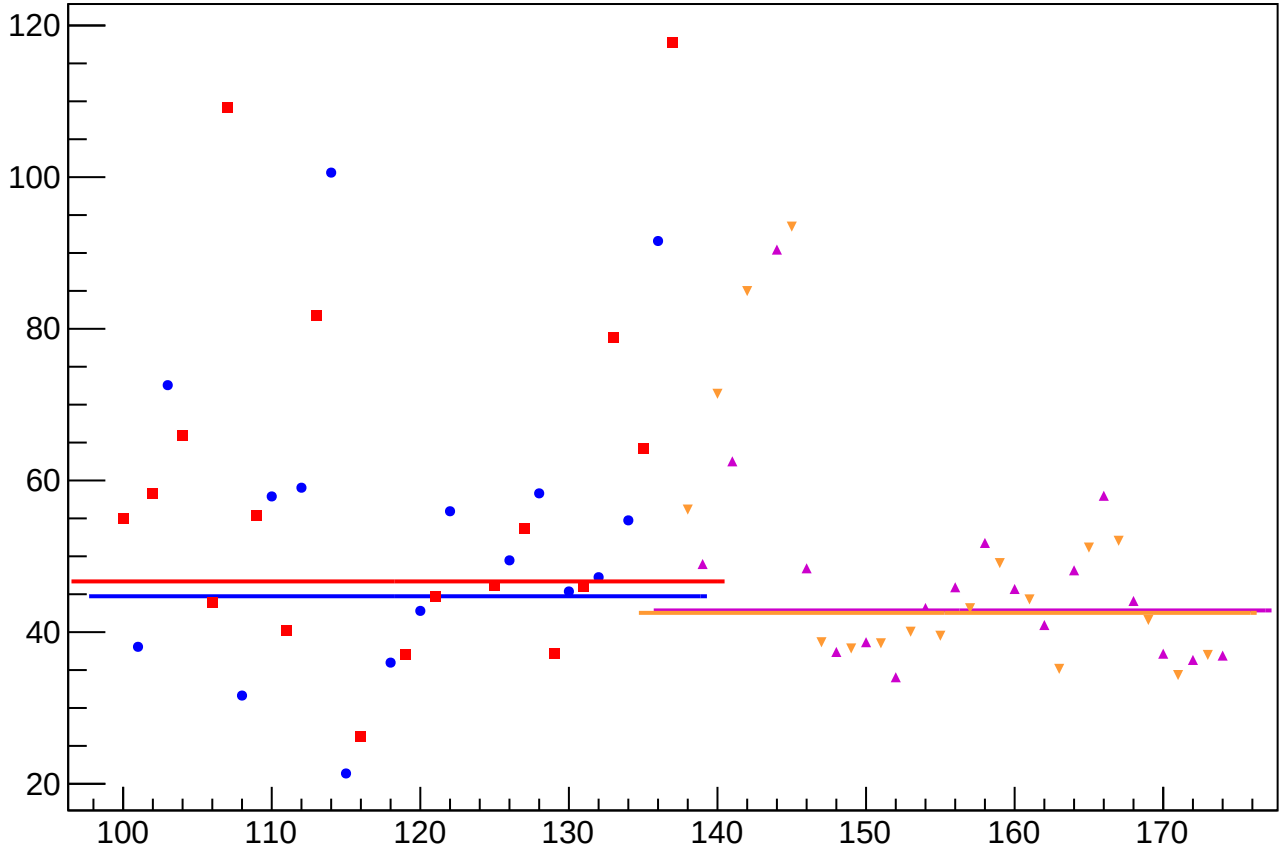
Left In: 0.011+/-0.012 χ^2/NDF:21.4/17

+ sign -0.018+/-0.010 χ^2/NDF: 37.5/33

All: -0.004+/-0.007 χ^2/NDF: 99.2/69

- 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: 42.544+/-0.009 χ^2/NDF:1365501.1/17

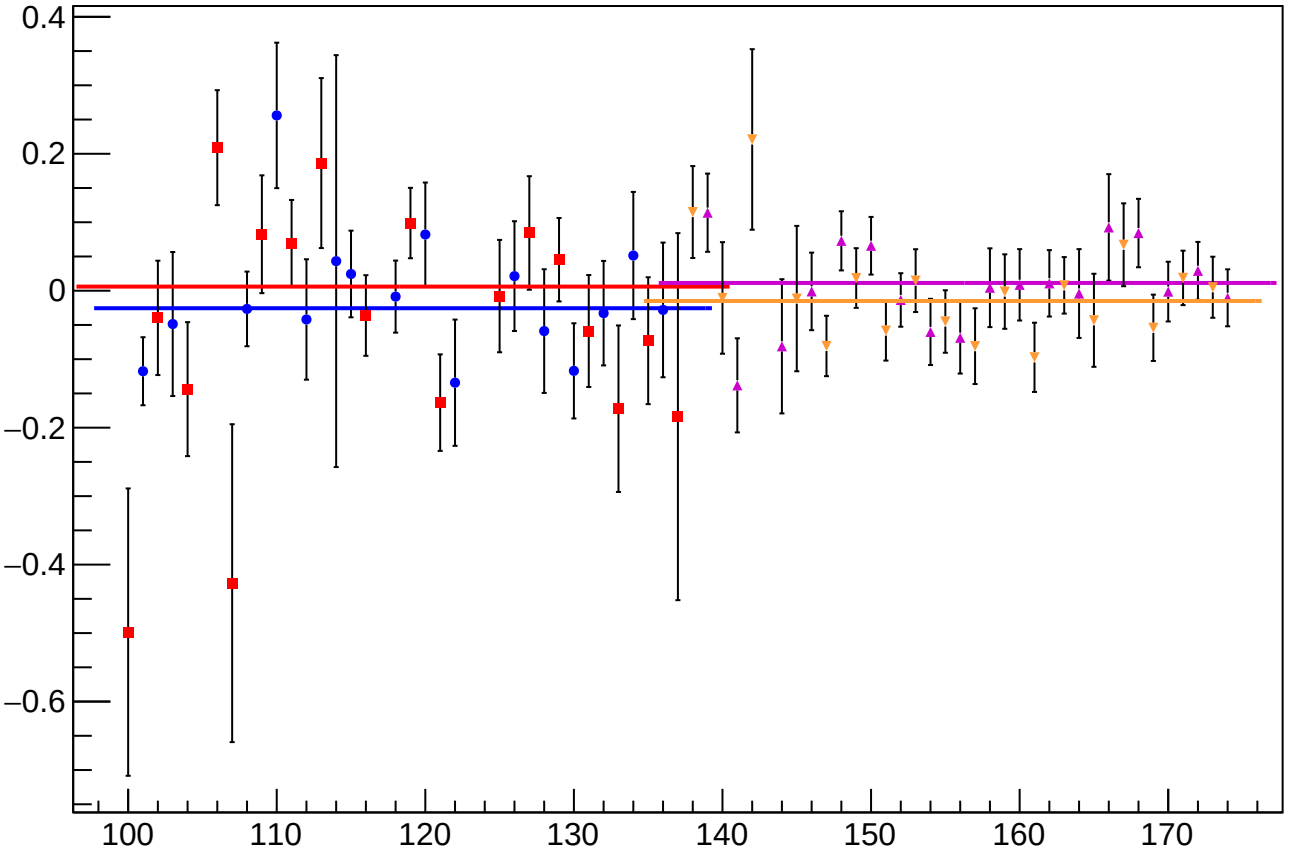
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.863+/-0.008 χ^2/NDF:1108037.7/17

+ sign 43.193+/-0.007 χ^2/NDF: 2719235.3/33

All: 43.555+/-0.005 χ^2/NDF: 5084287.3/69

- 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: -0.015+/-0.012 χ^2/NDF:19.6/17

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

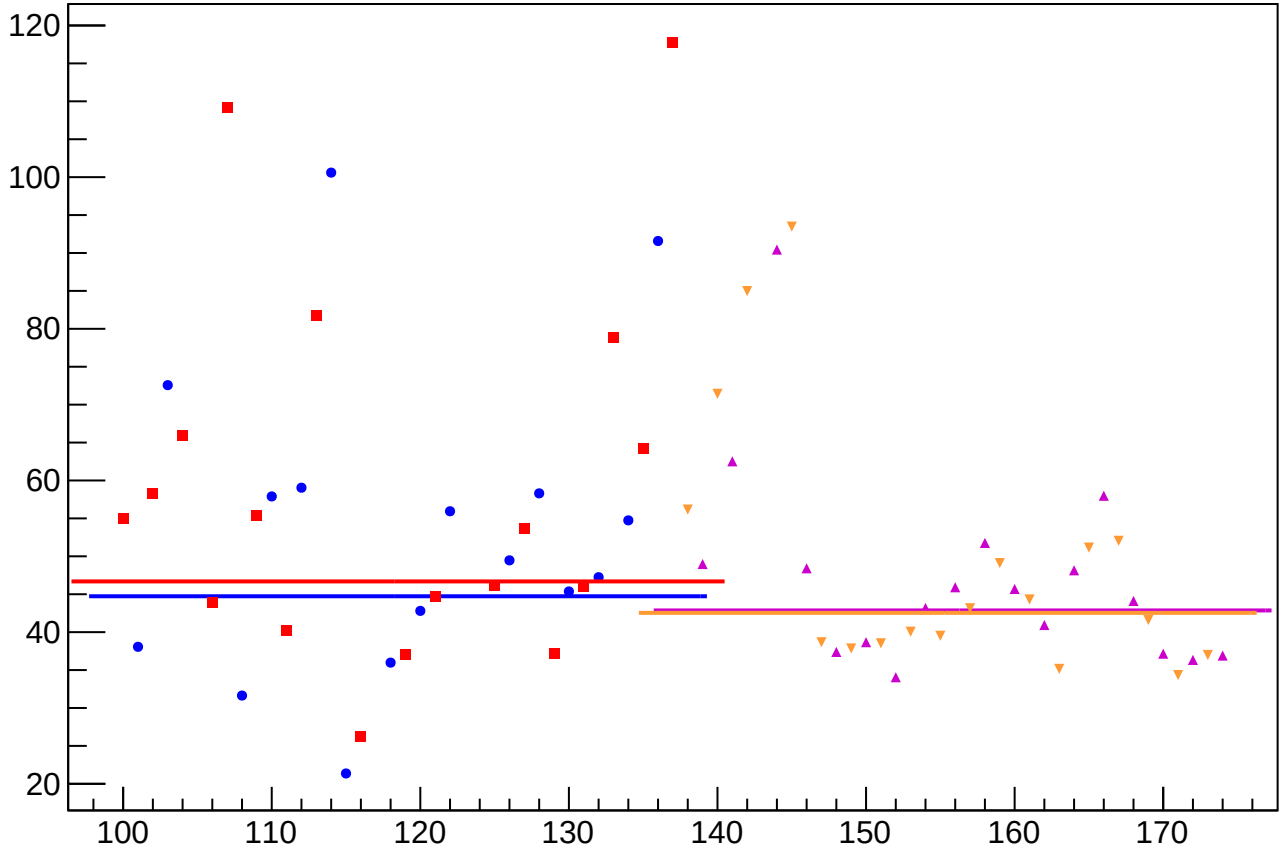
Left In: 0.011+/-0.012 χ^2/NDF:21.4/17

+ sign -0.018+/-0.010 χ^2/NDF: 37.5/33

All: -0.004+/-0.007 χ^2/NDF: 99.2/69

- 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: 42.544+/-0.009 χ^2/NDF:1365501.1/17

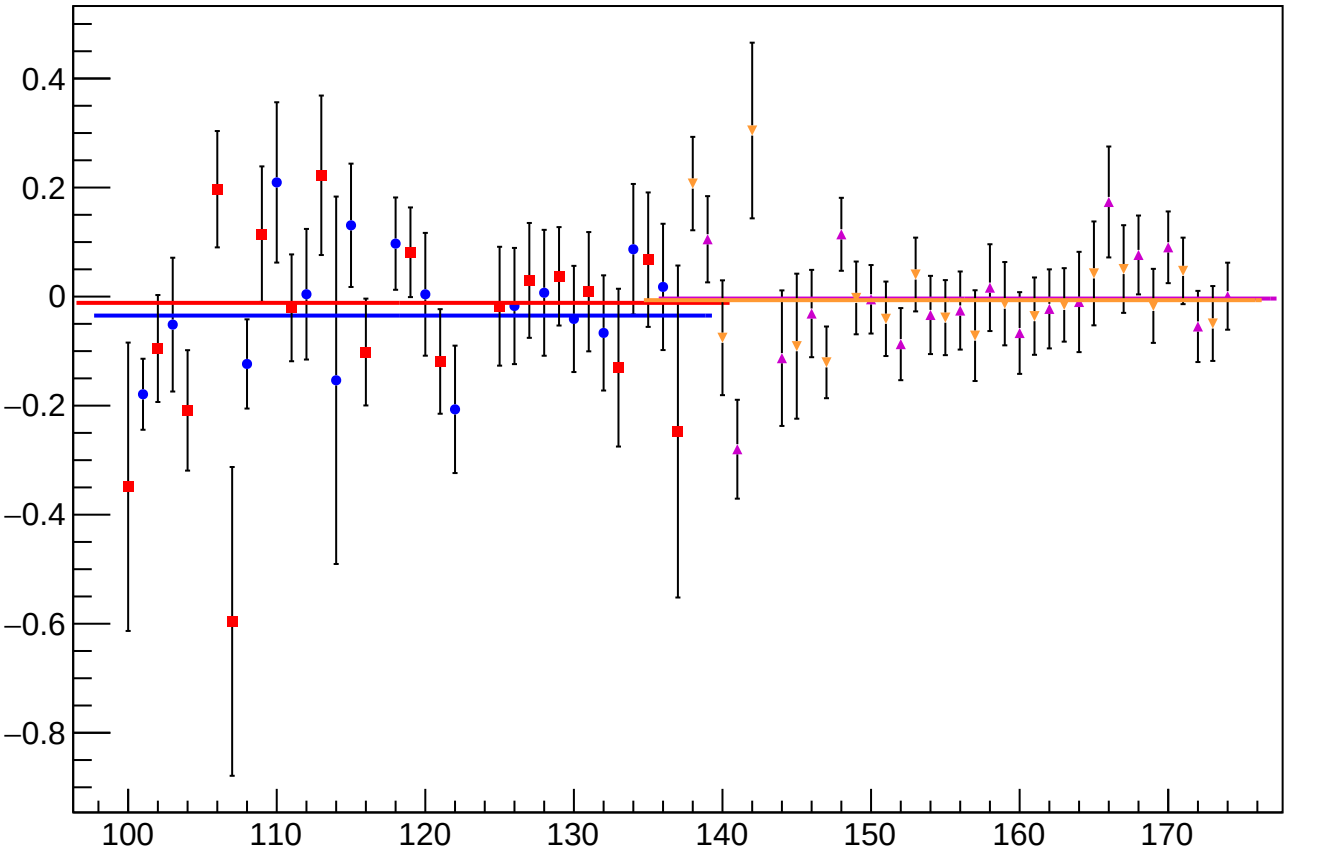
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.863+/-0.008 χ^2/NDF:1108037.7/17

+ sign 43.193+/-0.007 χ^2/NDF: 2719235.3/33

All: 43.555+/-0.005 χ^2/NDF: 5084287.3/69

- sign 43.912+/-0.007 χ^2/NDF: 2360072.7/35



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

Left Out: -0.007+/-0.018 χ^2/NDF:17.5/17

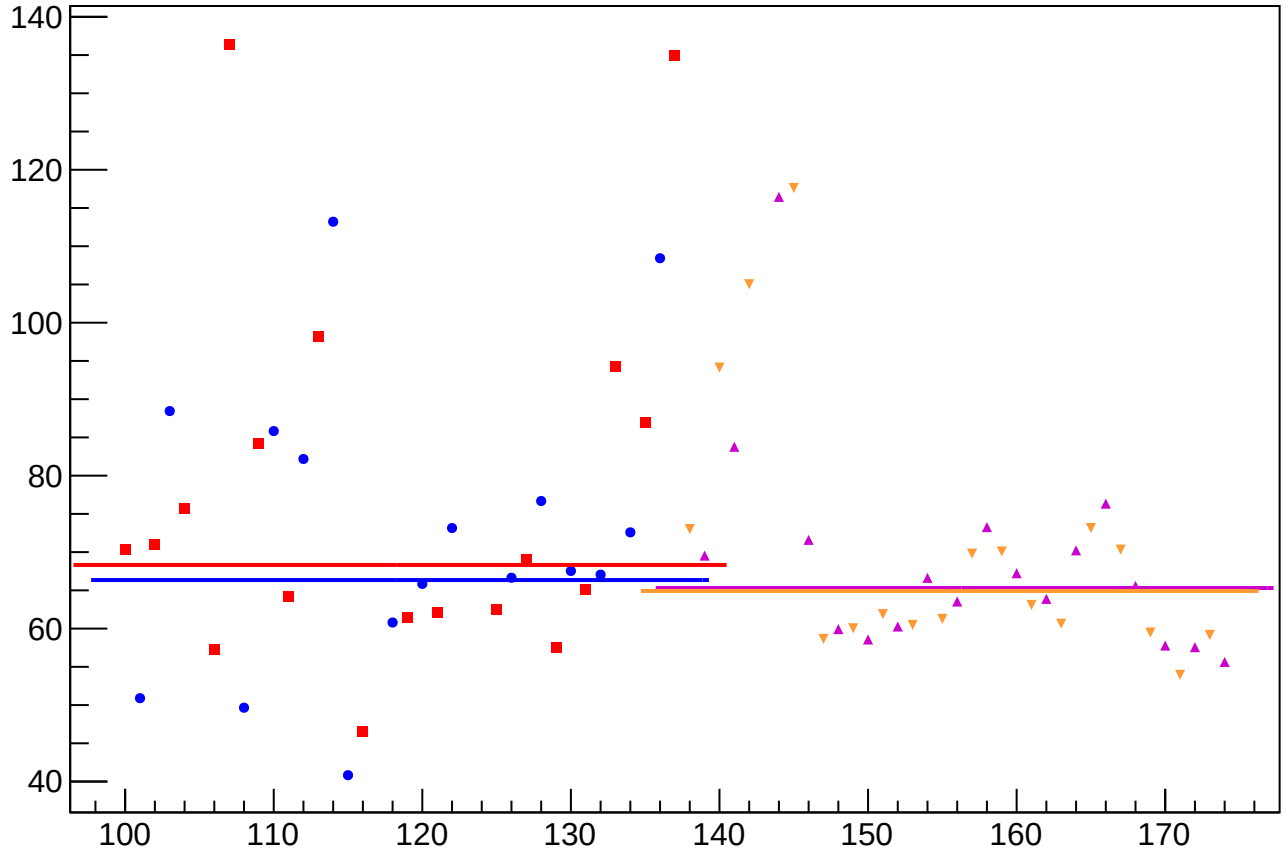
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.004+/-0.018 χ^2/NDF:24.8/17

+ sign -0.016+/-0.015 χ^2/NDF: 35.8/33

All: -0.011+/-0.010 χ^2/NDF: 83.6/69

- sign -0.006+/-0.015 χ^2/NDF: 47.6/35



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 64.921+/-0.013 χ^2/NDF:797624.8/17

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

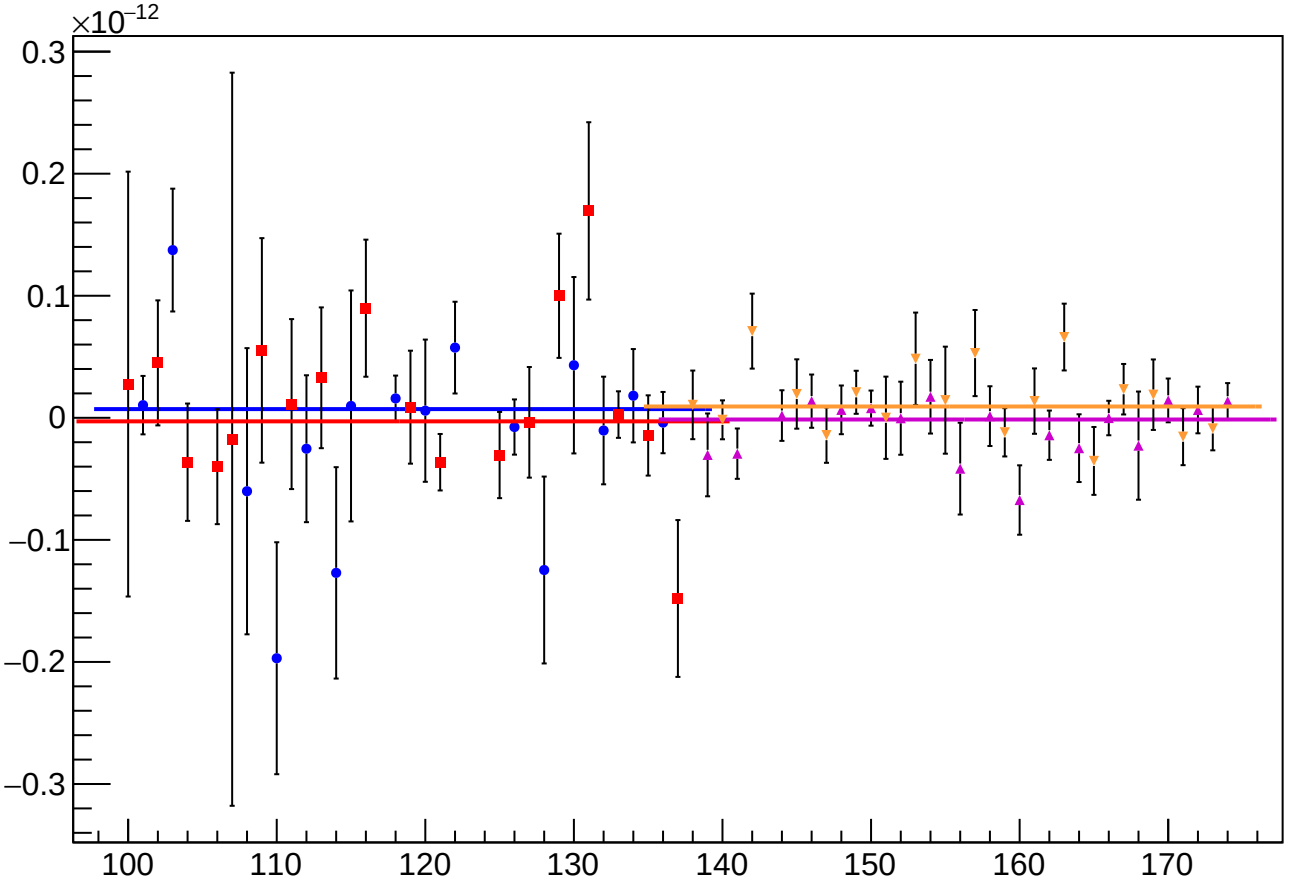
Left In: 65.305+/-0.012 χ^2/NDF:644316.8/17

+ sign 65.374+/-0.010 χ^2/NDF: 1574312.9/33

All: 65.792+/-0.007 χ^2/NDF: 2869123.1/69

- 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:19.6/17

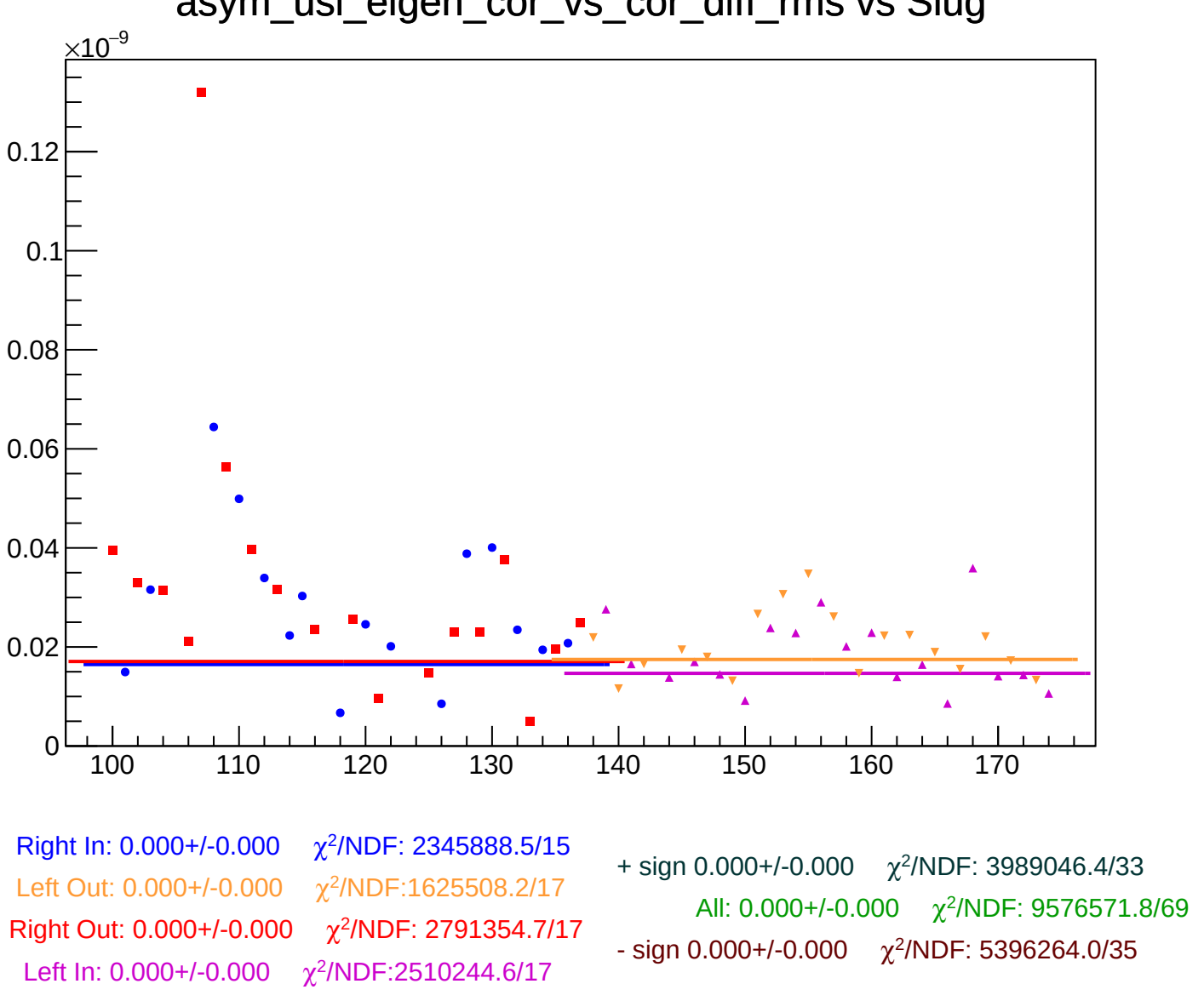
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: -0.000+/-0.000 χ^2/NDF:13.9/17

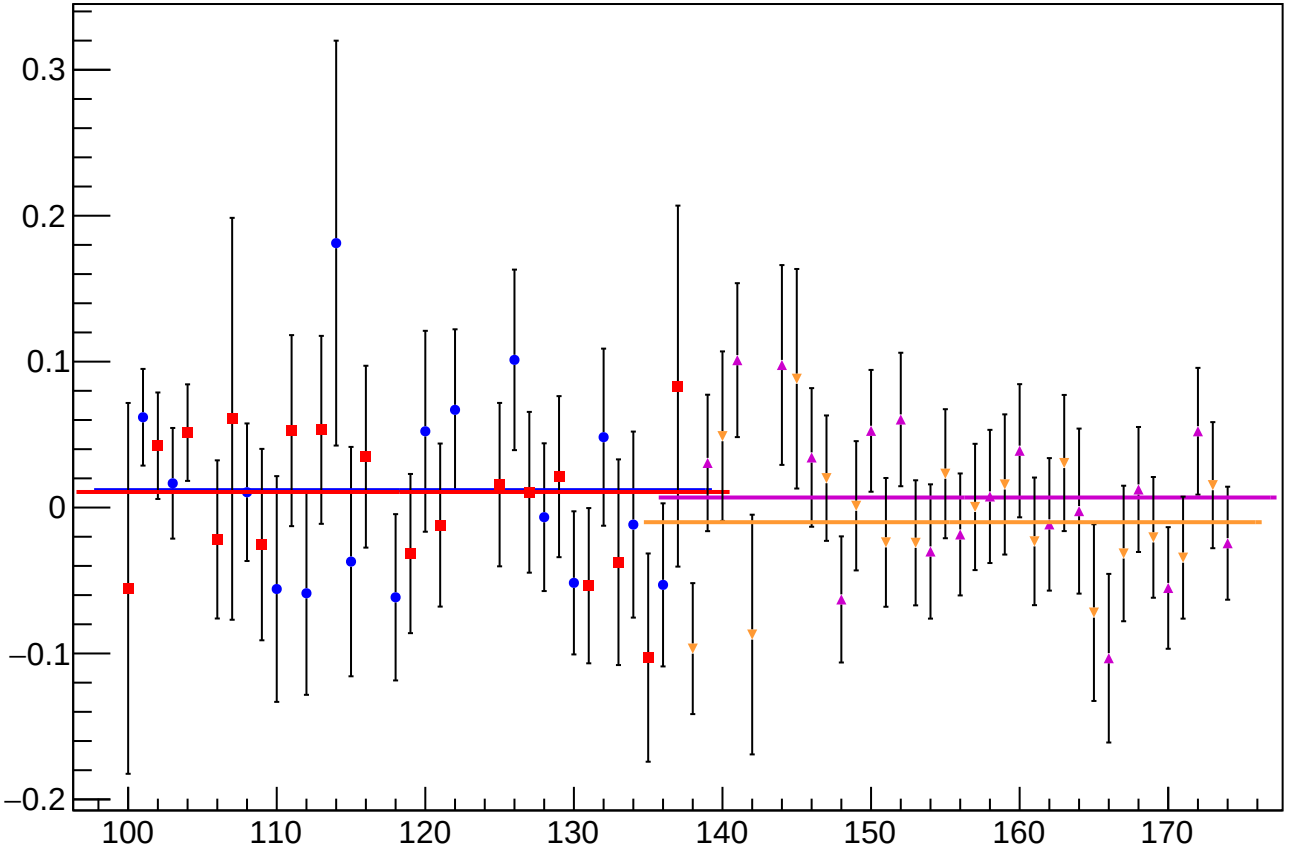
+ sign 0.000+/-0.000 χ^2/NDF: 40.1/33

All: 0.000+/-0.000 χ^2/NDF: 79.8/69

- sign -0.000+/-0.000 χ^2/NDF: 37.3/35


asym_usl_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2345888.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1625508.2/17
Right Out: 0.000+/-0.000 χ²/NDF: 2791354.7/17
Left In: 0.000+/-0.000 χ²/NDF:2510244.6/17
+ sign 0.000+/-0.000 χ²/NDF: 3989046.4/33
All: 0.000+/-0.000 χ²/NDF: 9576571.8/69
- sign 0.000+/-0.000 χ²/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: -0.010+/-0.011 χ^2/NDF:11.9/17

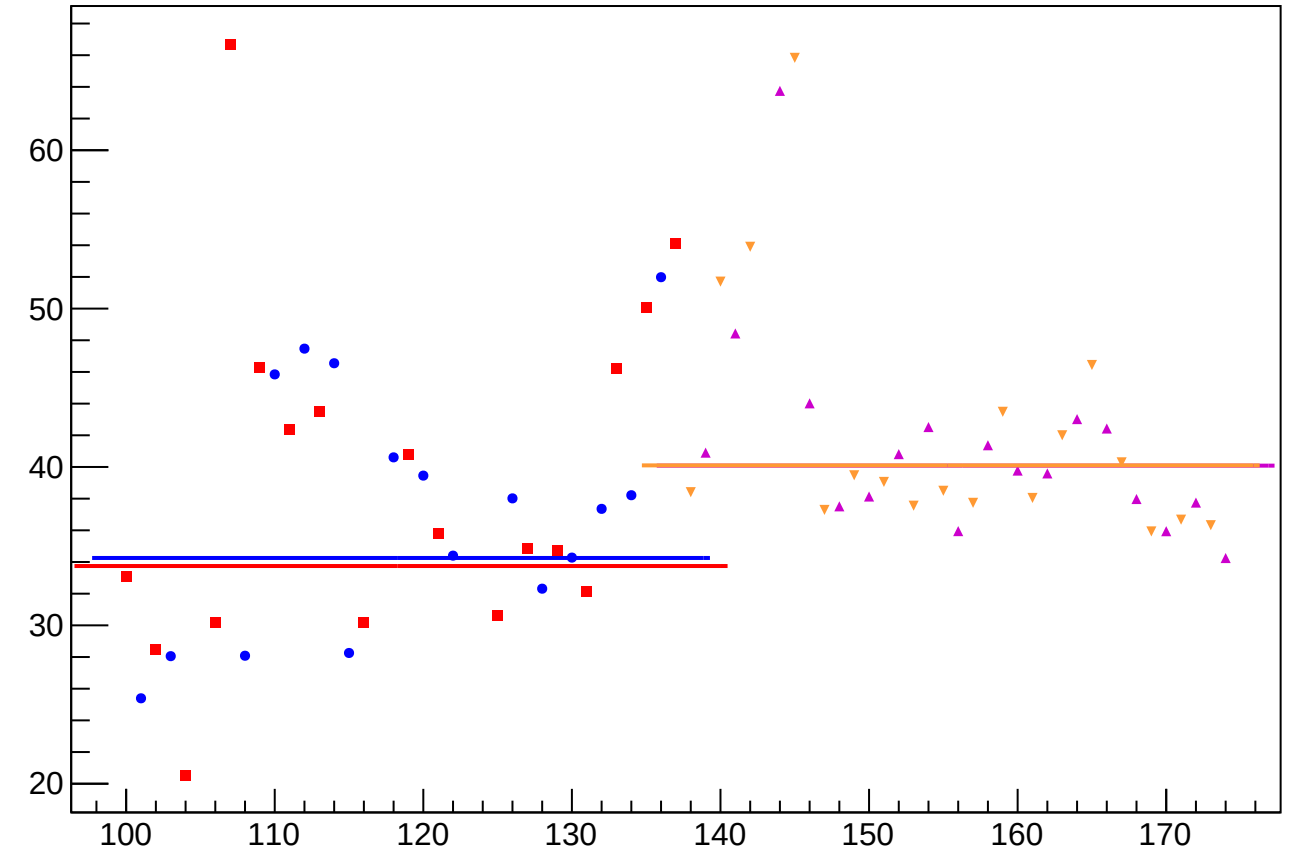
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.007+/-0.011 χ^2/NDF:20.0/17

+ sign -0.001+/-0.009 χ^2/NDF: 28.1/33

All: 0.004+/-0.006 χ^2/NDF: 58.8/69

- 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: 40.101+/-0.008 χ^2/NDF:487526.6/17

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

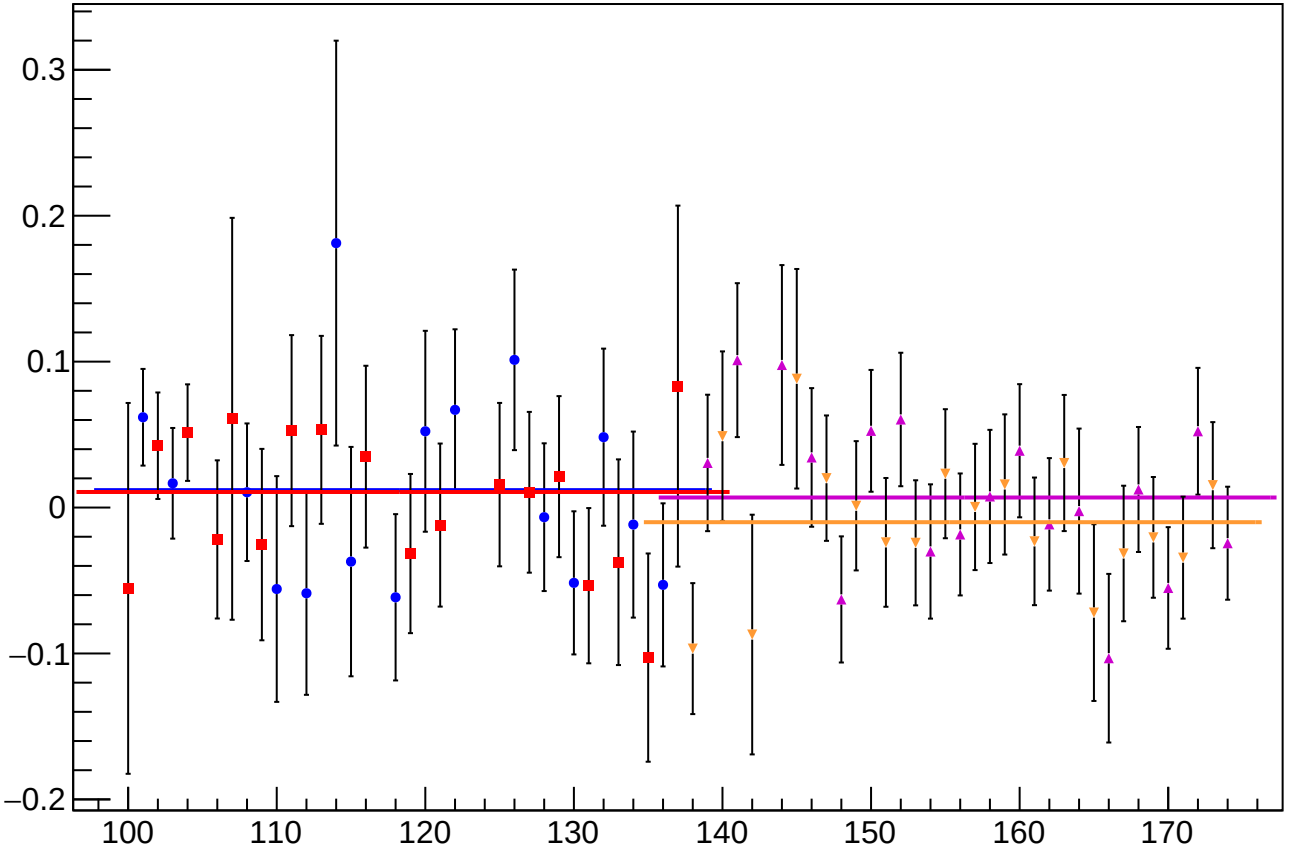
Left In: 40.084+/-0.008 χ^2/NDF:426787.3/17

\+ sign 37.766+/-0.006 χ^2/NDF: 1345113.8/33

All: 37.672+/-0.004 χ^2/NDF: 2953366.9/69

\- sign 37.581+/-0.006 χ^2/NDF: 1607784.3/35

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.010+/-0.011 χ^2/NDF:11.9/17

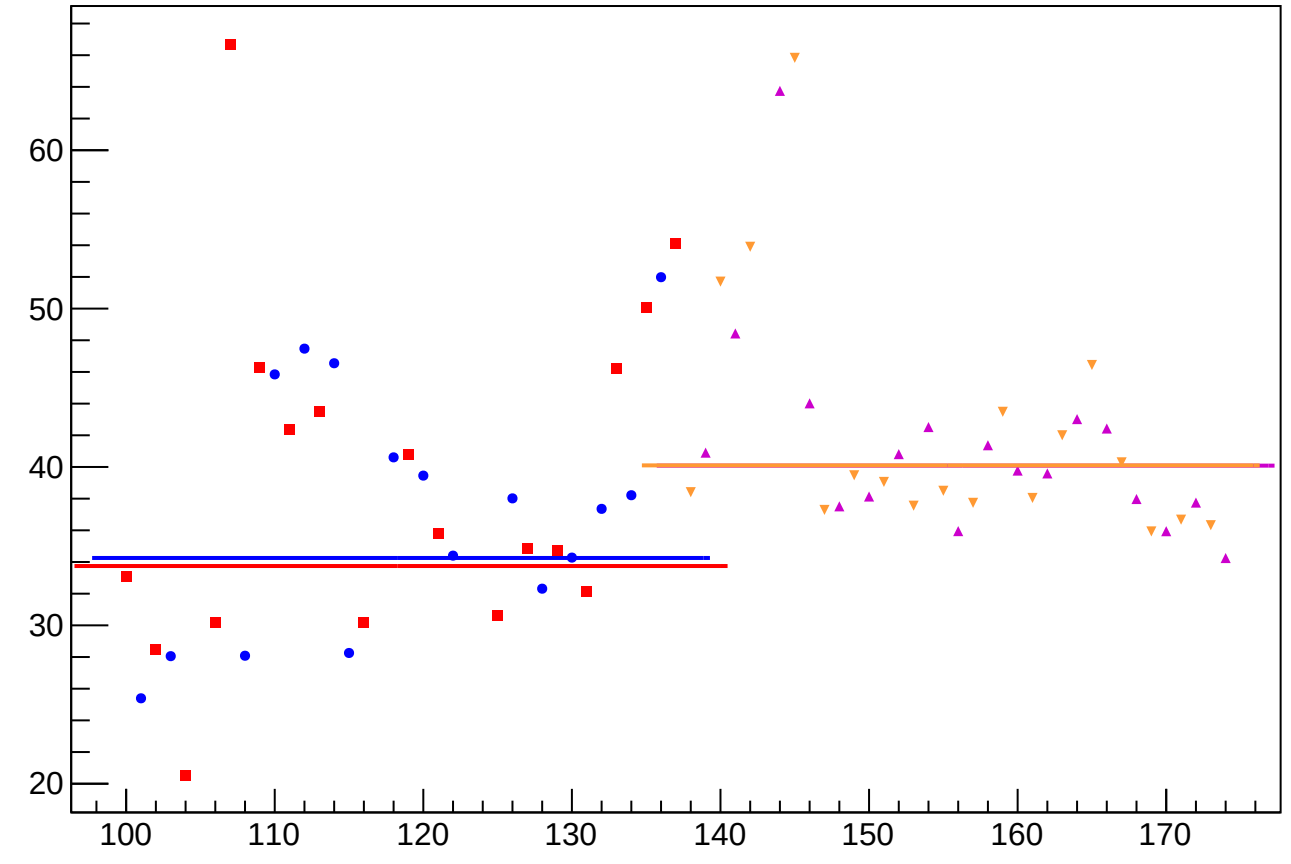
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.007+/-0.011 χ^2/NDF:20.0/17

+ sign -0.001+/-0.009 χ^2/NDF: 28.1/33

All: 0.004+/-0.006 χ^2/NDF: 58.8/69

- 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: 40.101+/-0.008 χ^2/NDF:487526.6/17

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

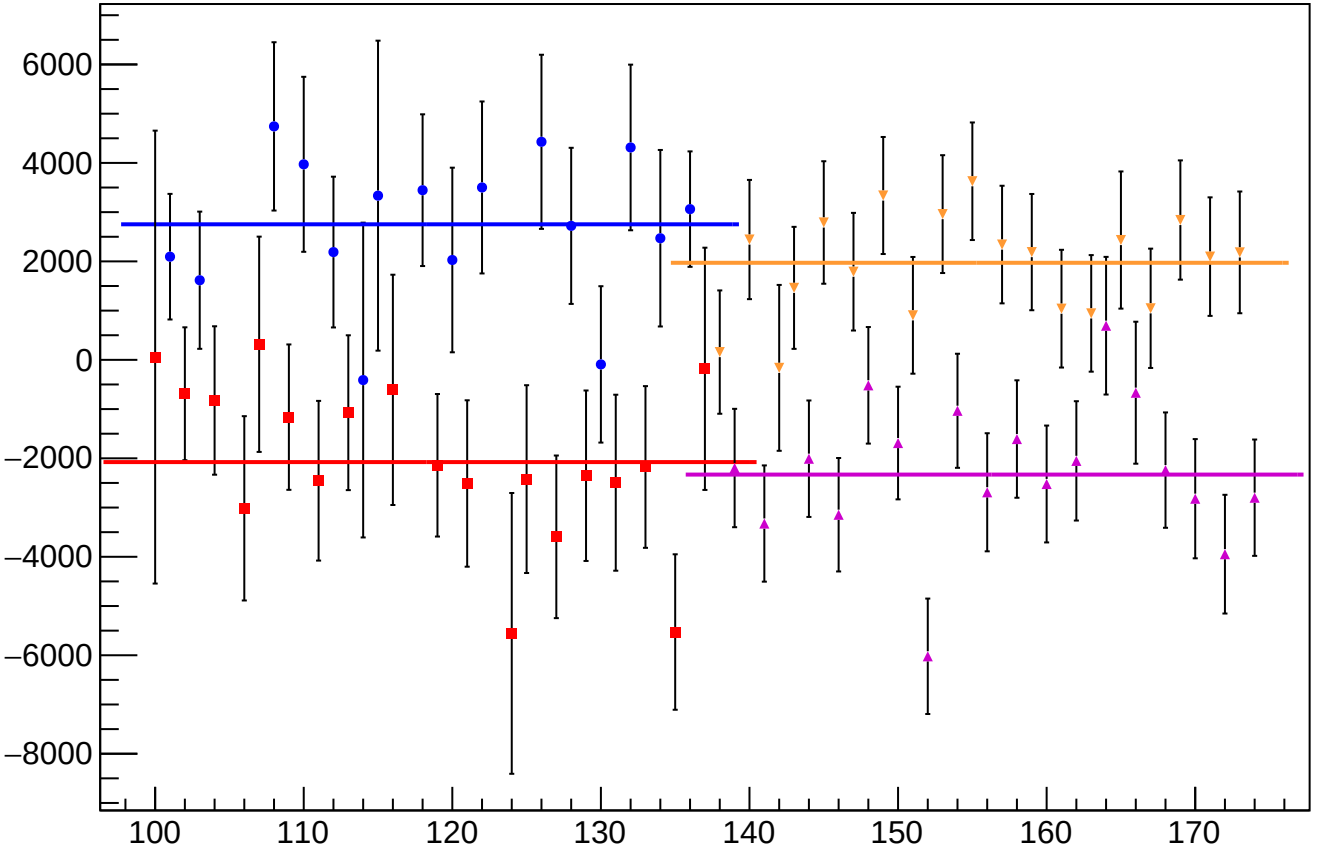
Left In: 40.084+/-0.008 χ^2/NDF:426787.3/17

+ sign 37.766+/-0.006 χ^2/NDF: 1345113.8/33

All: 37.672+/-0.004 χ^2/NDF: 2953366.9/69

- 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: 1971.484+/-282.365 χ^2/NDF:12.0/18

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

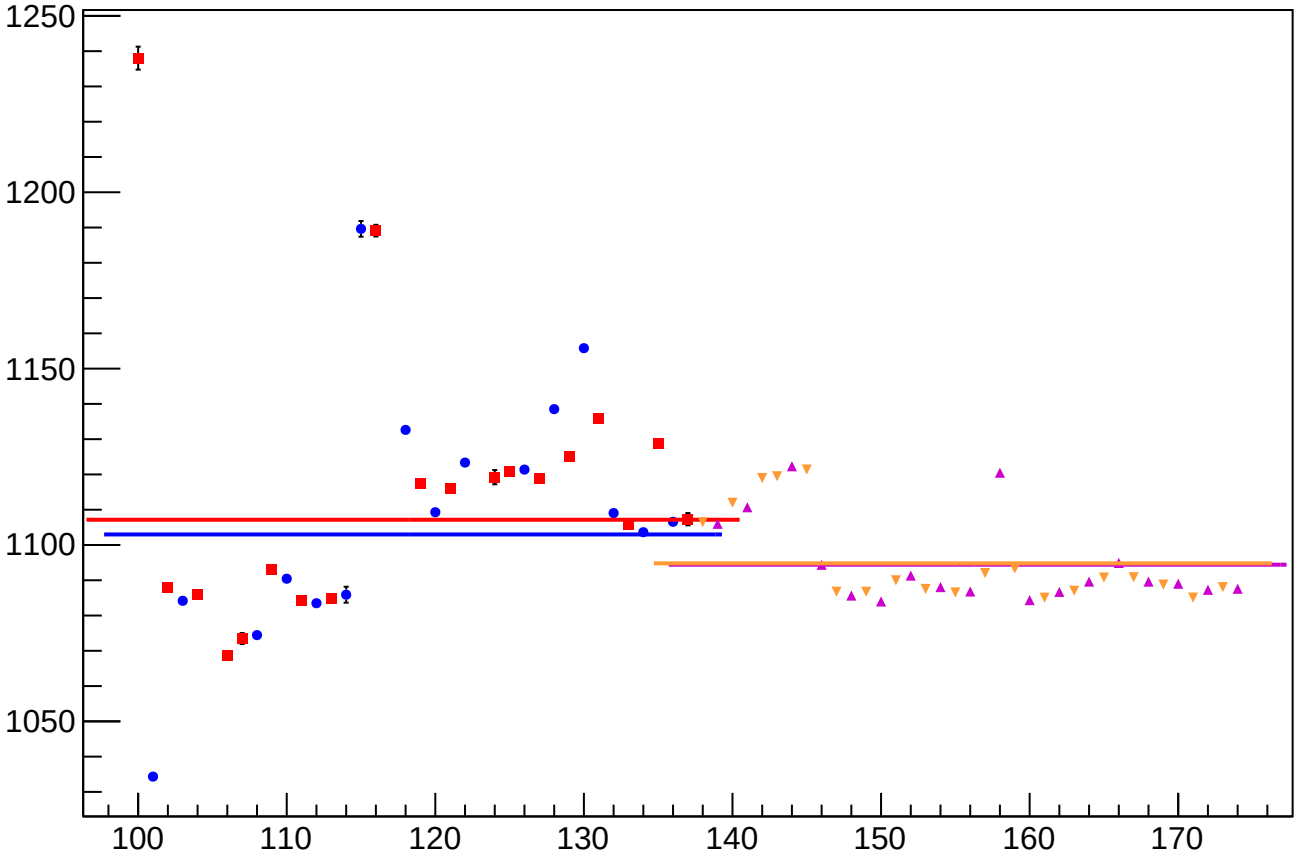
Left In: -2330.298+/-283.703 χ^2/NDF:23.8/17

+ sign 2223.083+/-232.521 χ^2/NDF: 23.9/34

All: -15.373+/-164.281 χ^2/NDF: 245.6/71

- 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: 1094.796+/-0.200 χ^2/NDF:3590.4/18

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

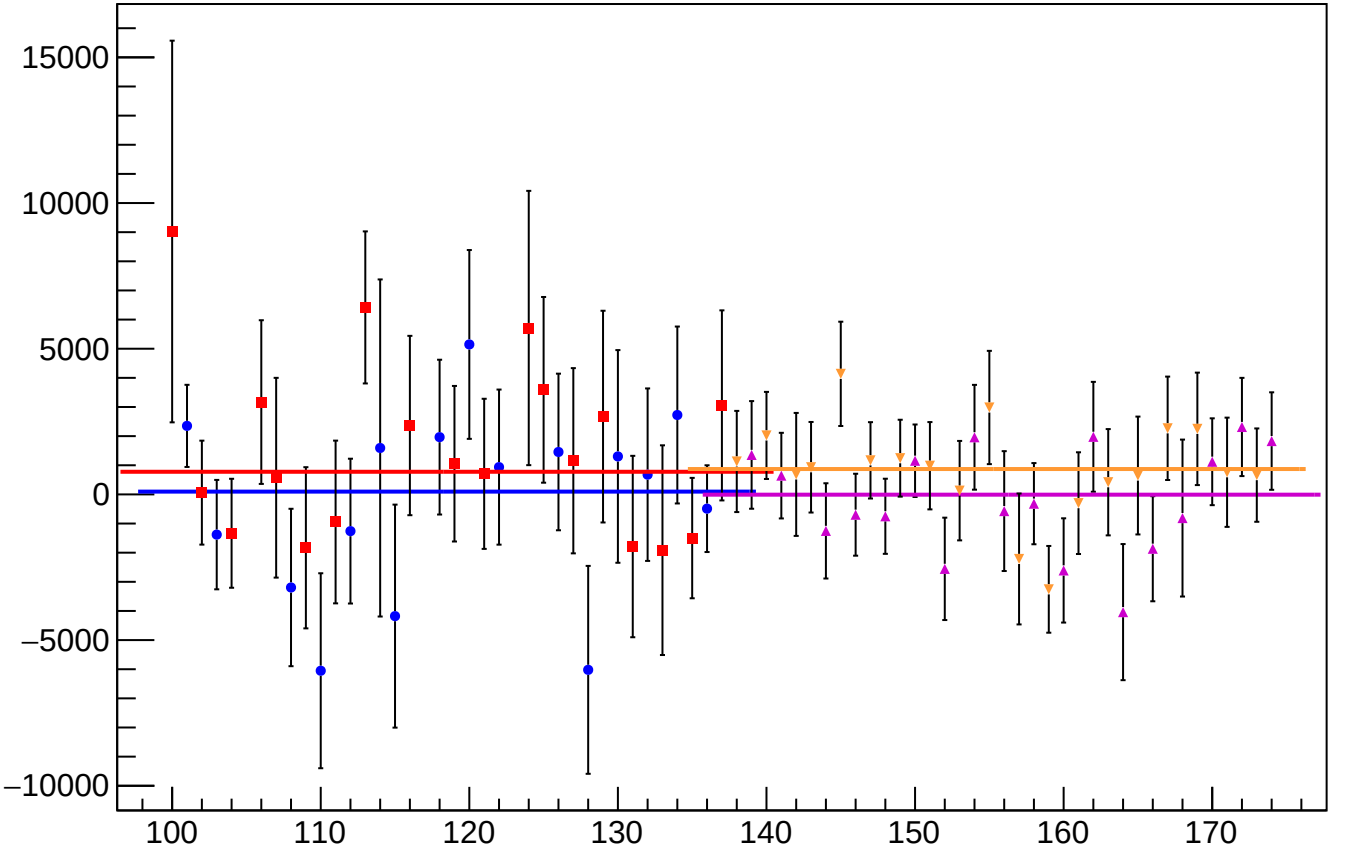
Left In: 1094.412+/-0.201 χ^2/NDF:3521.6/17

+ sign 1097.433+/-0.164 χ^2/NDF: 17356.0/34

All: 1098.030+/-0.116 χ^2/NDF: 30921.9/71

- 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: 870.861+/-385.655 χ^2/NDF:16.7/18

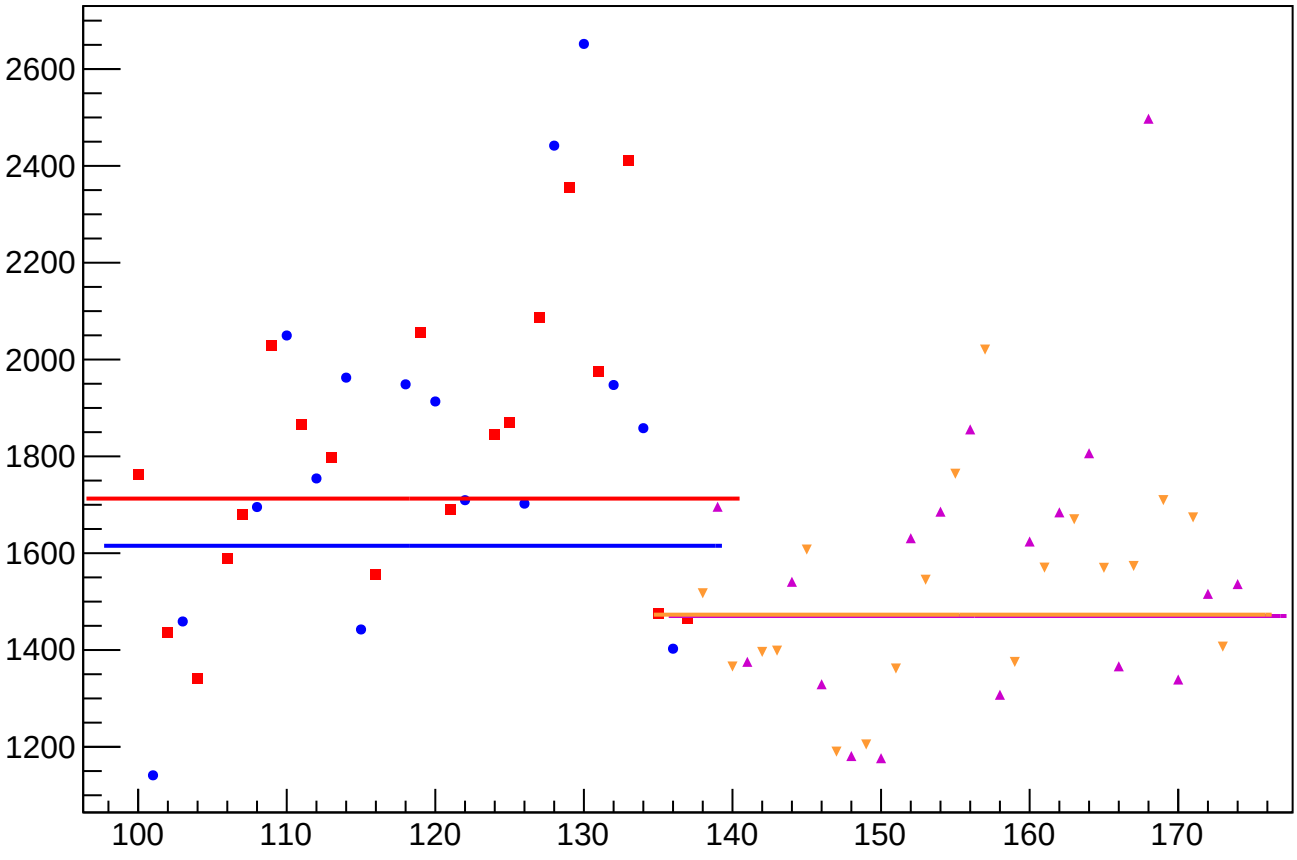
Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -9.378+/-387.742 χ^2/NDF:17.2/17

+ sign 653.721+/-327.190 χ^2/NDF: 34.8/34

All: 431.223+/-232.764 χ^2/NDF: 69.1/71

- sign 203.233+/-331.203 χ^2/NDF: 33.4/36



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1473.042+/-0.273 χ^2/NDF:489660.1/18

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

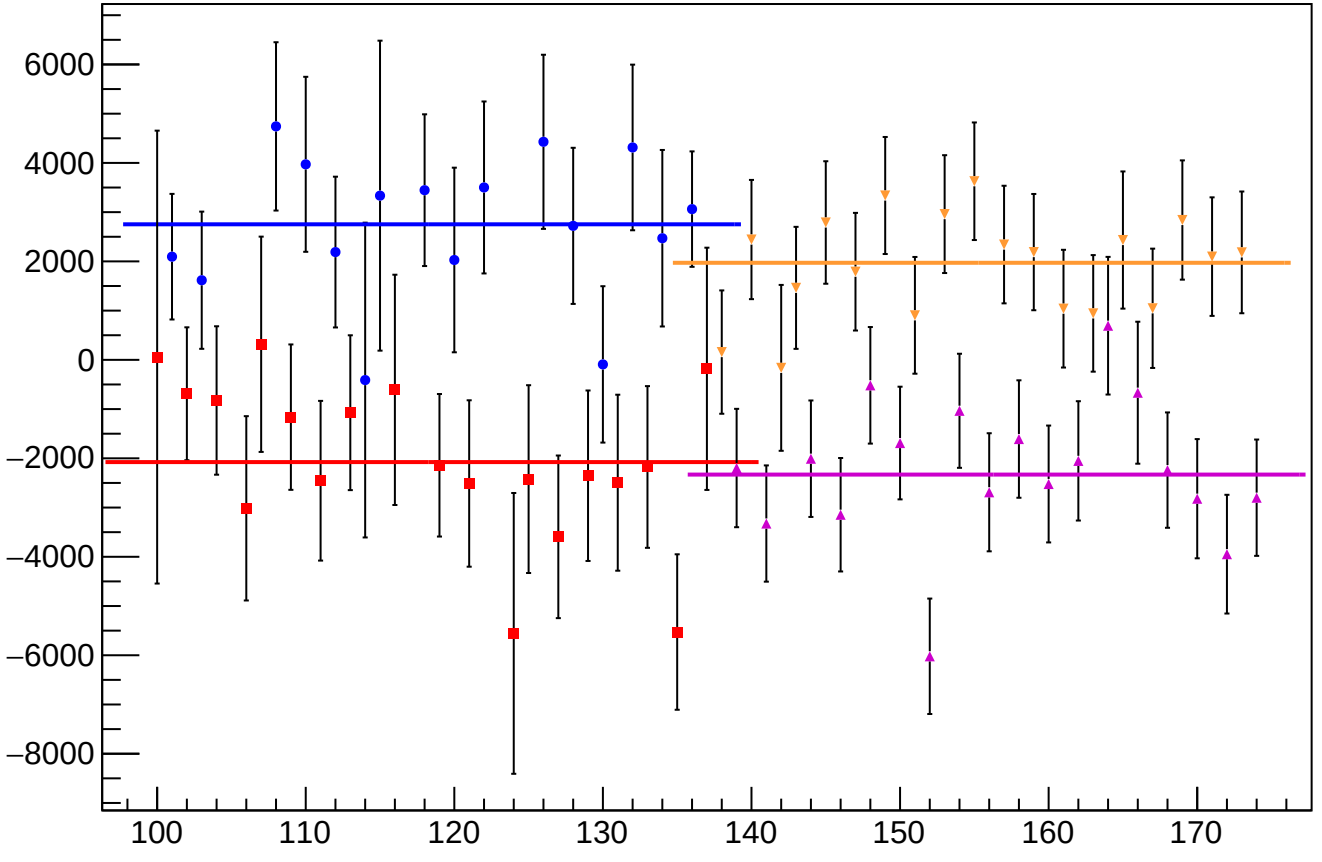
Left In: 1470.250+/-0.274 χ^2/NDF:816864.5/17

+ sign 1512.909+/-0.231 χ^2/NDF: 1259563.3/34

All: 1524.228+/-0.165 χ^2/NDF: 2720930.8/71

- sign 1535.827+/-0.234 χ^2/NDF: 1456520.9/36

cor_asym_usr_mean vs Slug



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

Left Out: 1971.484+/-282.365 χ^2/NDF:12.0/18

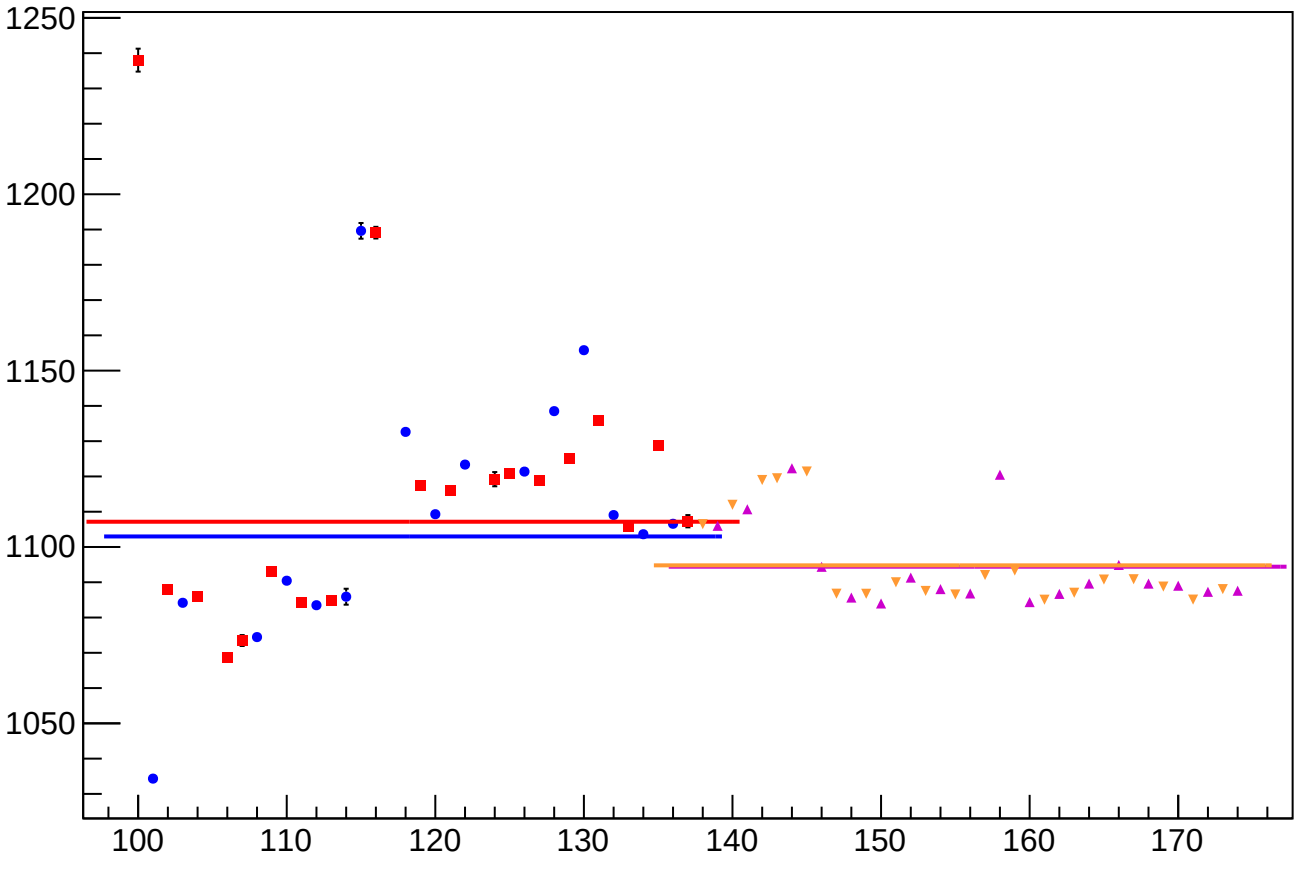
Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: -2330.298+/-283.703 χ^2/NDF:23.8/17

+ sign 2223.083+/-232.521 χ^2/NDF: 23.9/34

All: -15.373+/-164.281 χ^2/NDF: 245.6/71

- sign -2246.411+/-232.136 χ^2/NDF: 36.6/36



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.796+/-0.200 χ^2/NDF:3590.4/18

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

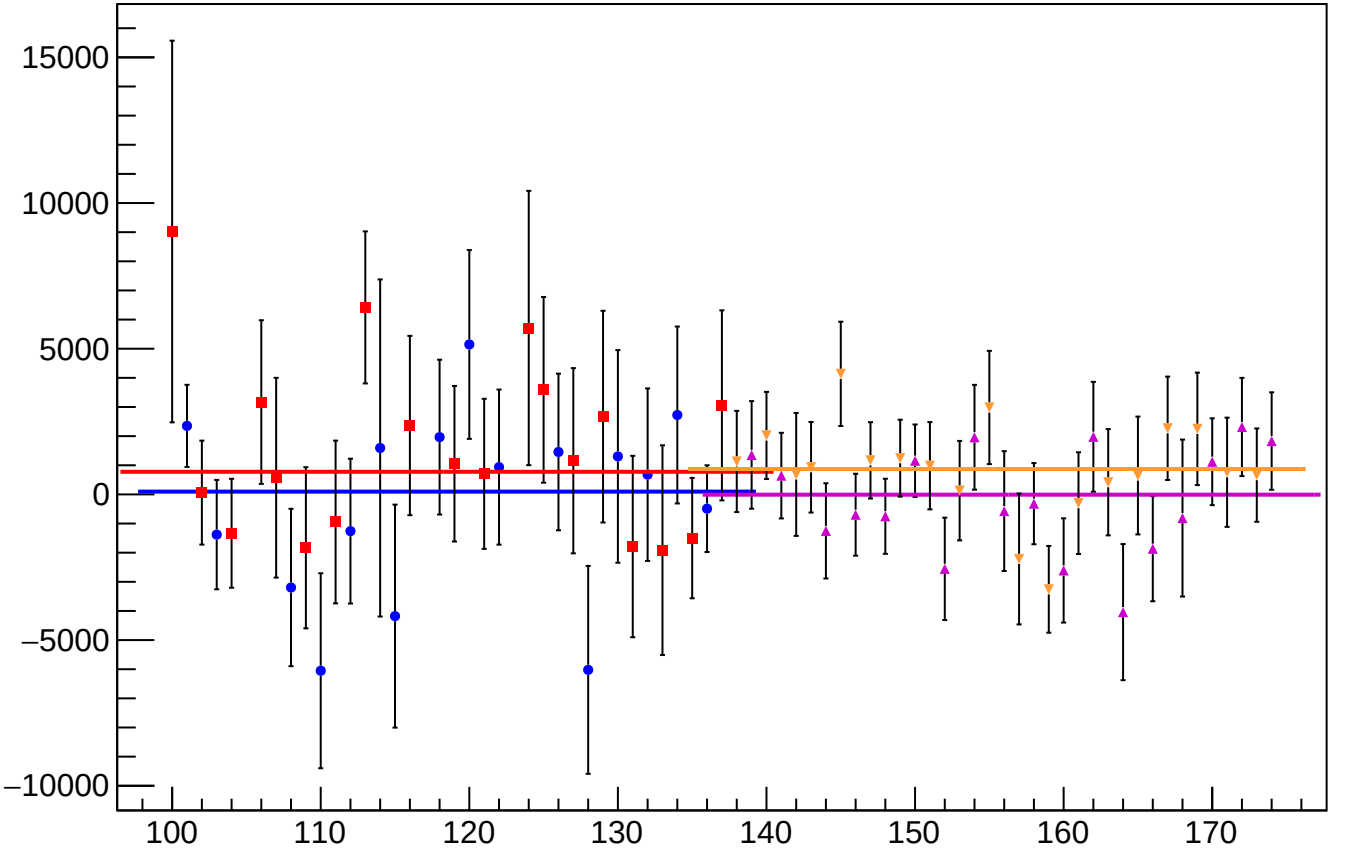
Left In: 1094.412+/-0.201 χ^2/NDF:3521.6/17

+ sign 1097.433+/-0.164 χ^2/NDF: 17356.0/34

All: 1098.030+/-0.116 χ^2/NDF: 30921.9/71

- 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: 870.861+/-385.655 χ^2/NDF:16.7/18

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

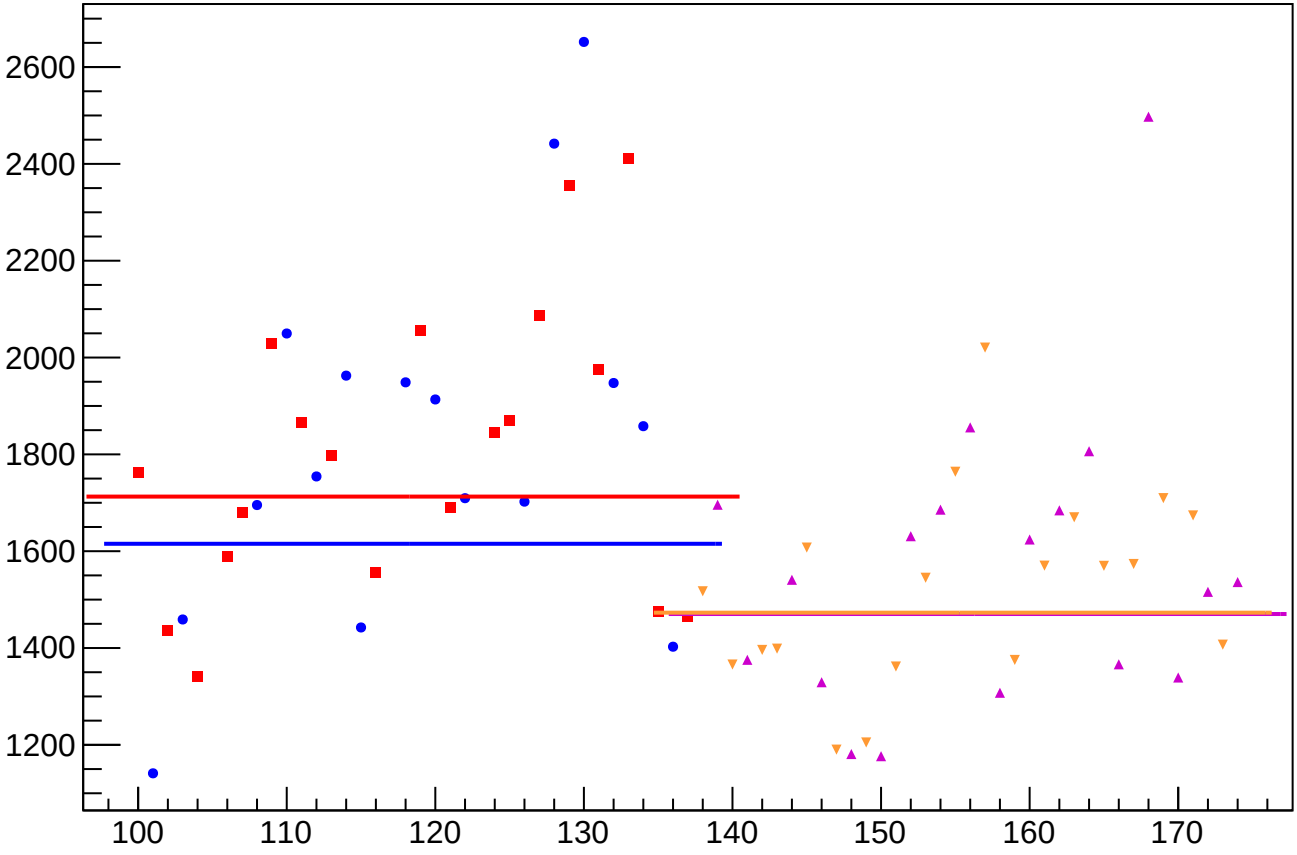
Left In: -9.378+/-387.742 χ^2/NDF:17.2/17

+ sign 653.721+/-327.190 χ^2/NDF: 34.8/34

All: 431.223+/-232.764 χ^2/NDF: 69.1/71

- 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: 1473.042+/-0.273 χ^2/NDF:489660.1/18

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

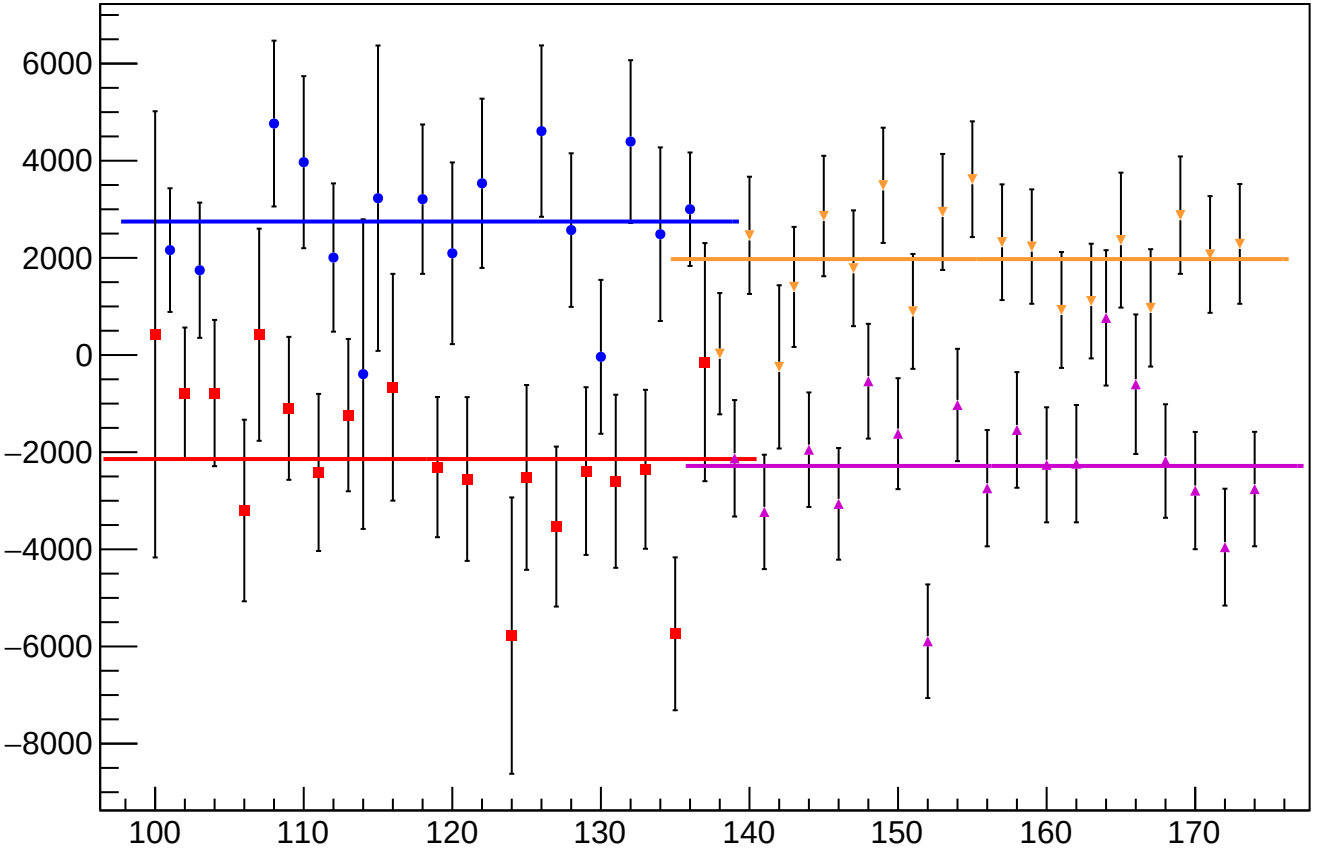
Left In: 1470.250+/-0.274 χ^2/NDF:816864.5/17

+ sign 1512.909+/-0.231 χ^2/NDF: 1259563.3/34

All: 1524.228+/-0.165 χ^2/NDF: 2720930.8/71

- 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: 1974.783+/-281.639 χ^2/NDF:13.0/18

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

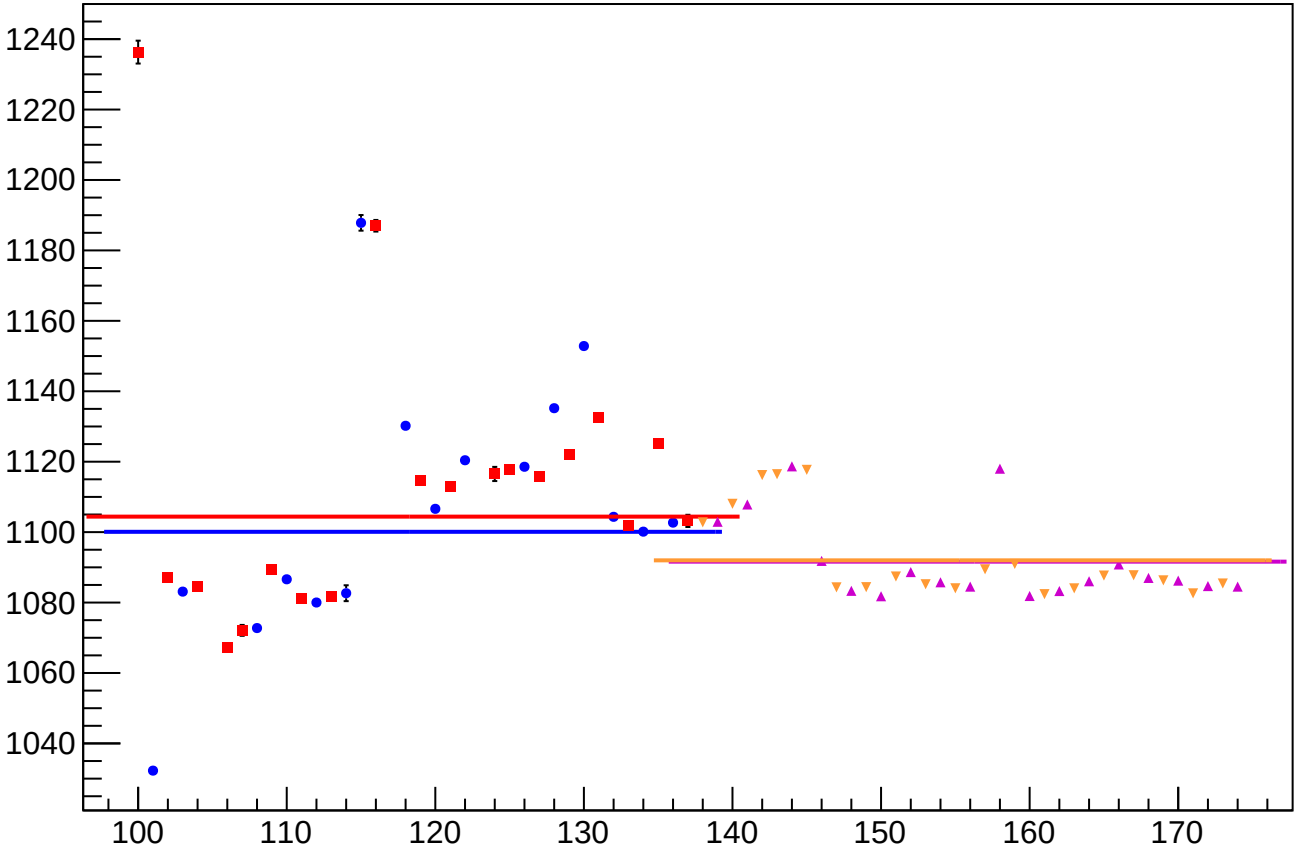
Left In: -2283.238+/-282.978 χ^2/NDF:23.4/17

+ sign 2223.671+/-231.919 χ^2/NDF: 24.9/34

All: -9.886+/-163.860 χ^2/NDF: 247.1/71

- 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: 1091.985+/-0.199 χ^2/NDF:3407.9/18

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

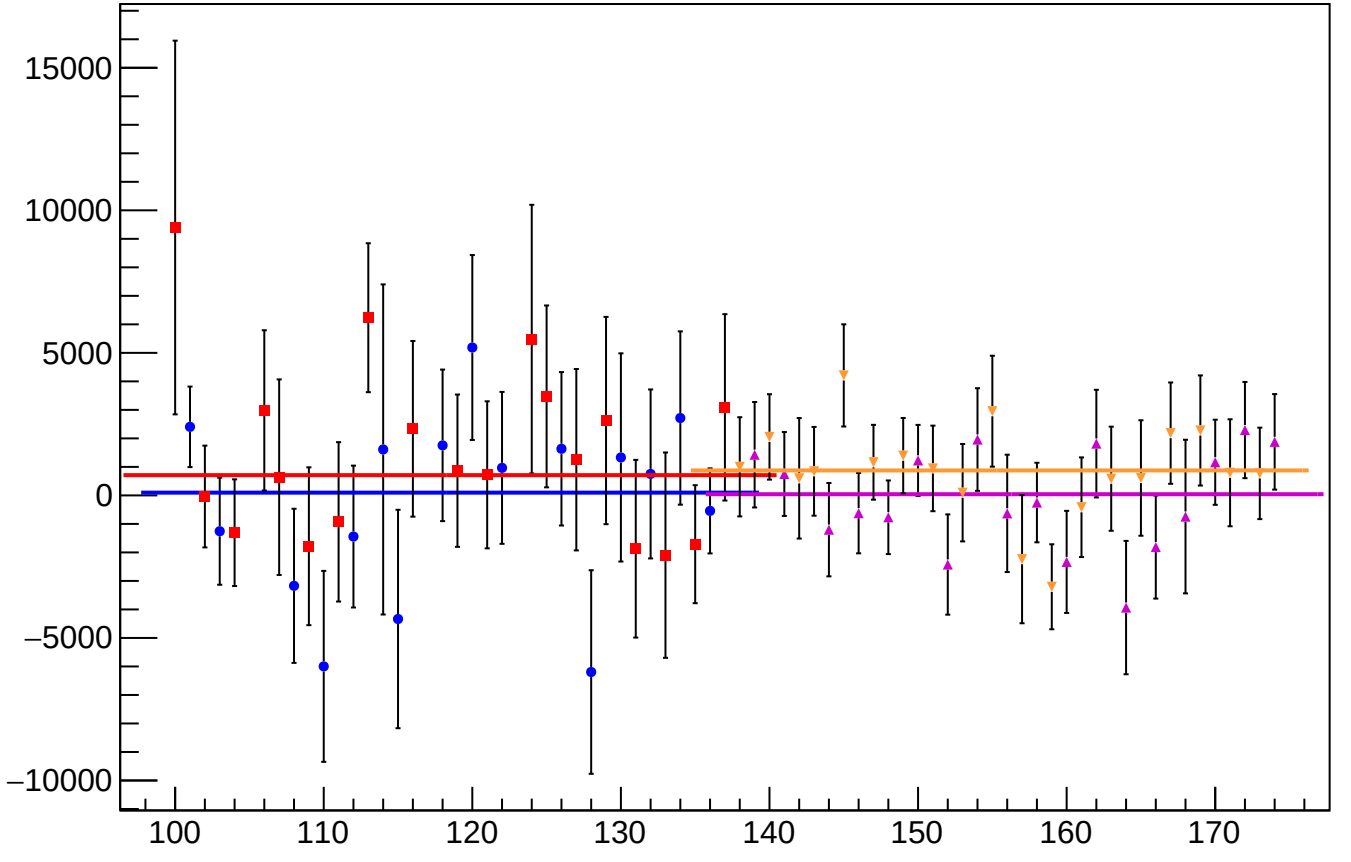
Left In: 1091.617+/-0.200 χ^2/NDF:3451.0/17

+ sign 1094.594+/-0.164 χ^2/NDF: 17018.3/34

All: 1095.219+/-0.116 χ^2/NDF: 30391.1/71

- 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: 876.662+/-386.233 χ^2/NDF:16.7/18

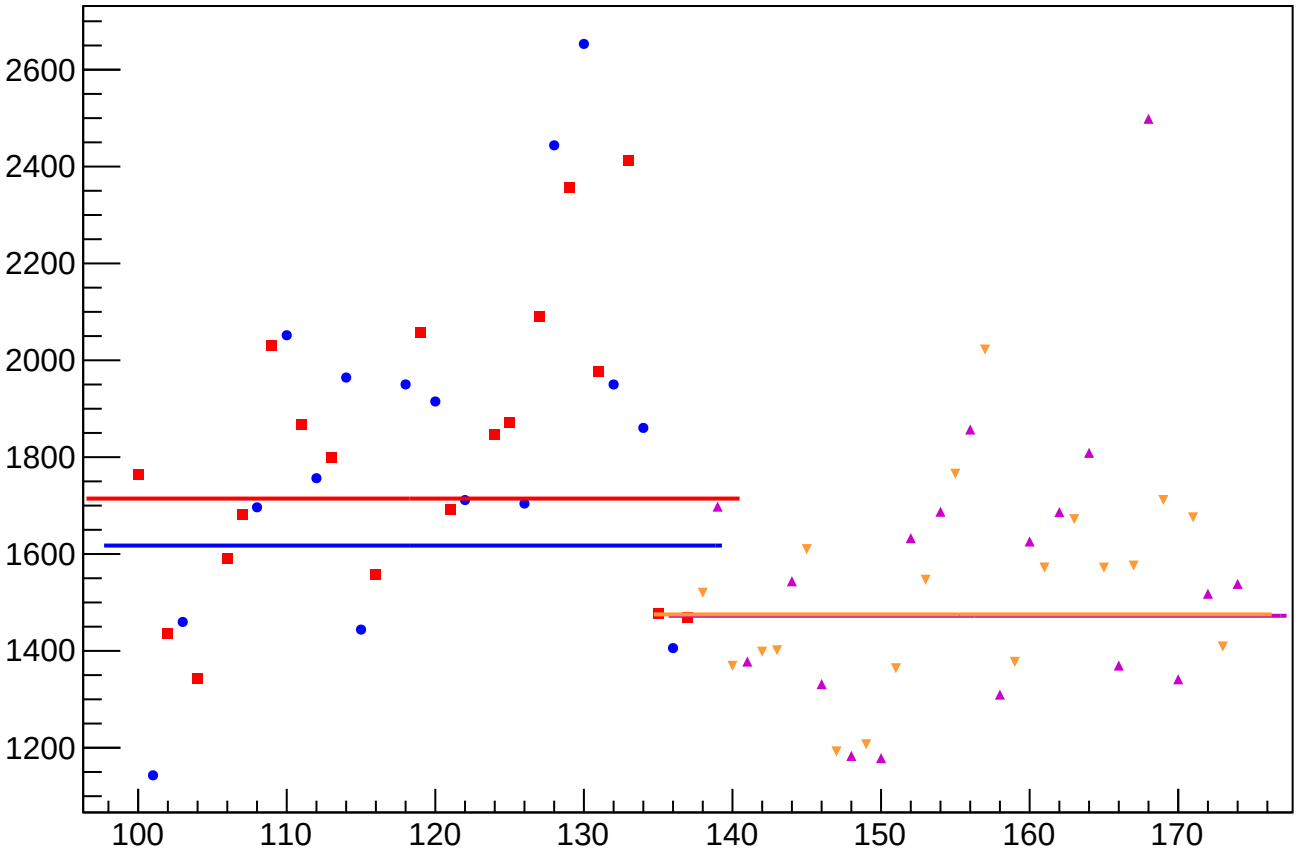
Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: 42.096+/-388.317 χ^2/NDF:16.4/17

+ sign 658.238+/-327.659 χ^2/NDF: 35.1/34

All: 443.330+/-233.088 χ^2/NDF: 68.1/71

- sign 223.158+/-331.649 χ^2/NDF: 32.1/36



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1475.348+/-0.273 χ^2/NDF:487508.3/18

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

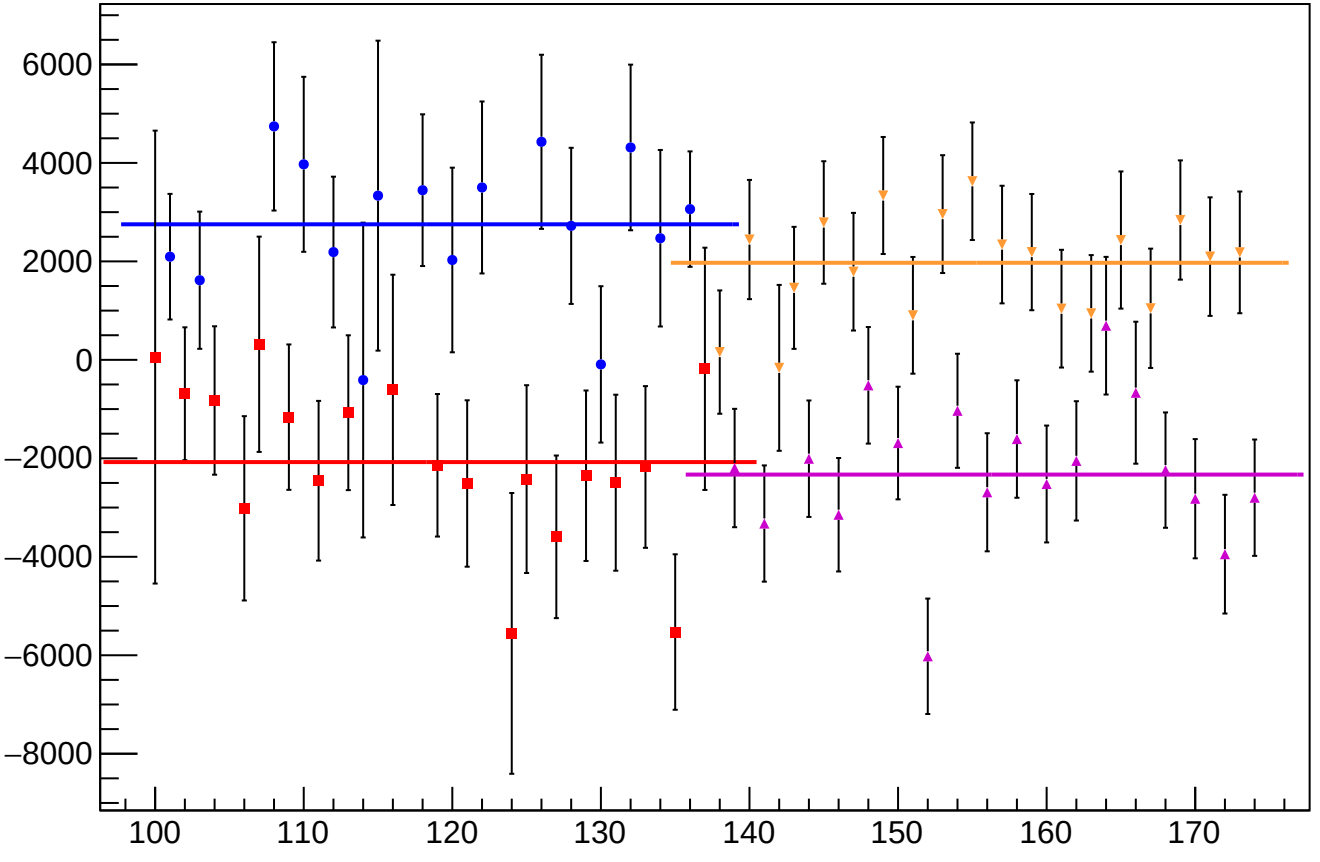
Left In: 1472.525+/-0.275 χ^2/NDF:813922.7/17

+ sign 1515.192+/-0.232 χ^2/NDF: 1255164.8/34

All: 1526.457+/-0.165 χ^2/NDF: 2711720.9/71

- 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: 1971.484+/-282.365 χ^2/NDF:12.0/18

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

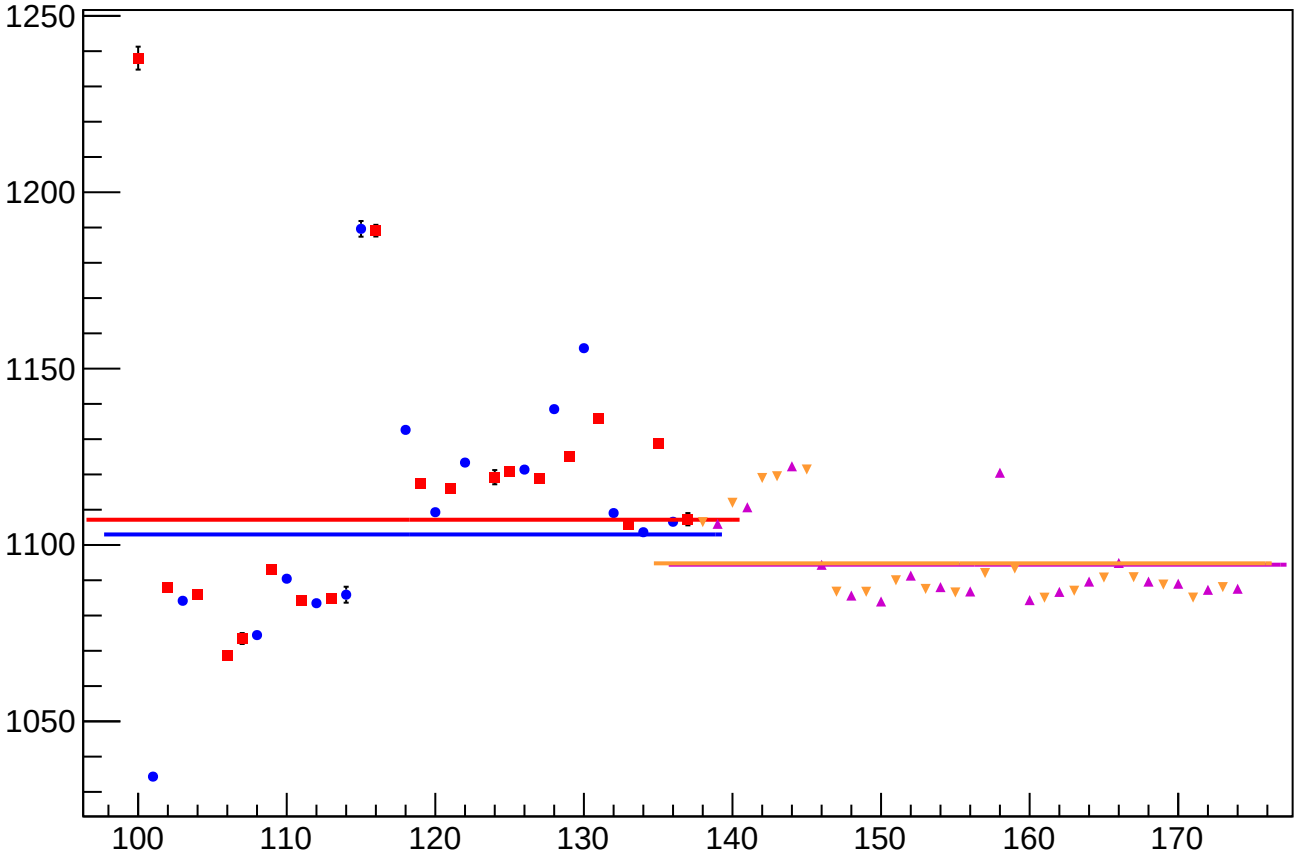
Left In: -2330.298+/-283.703 χ^2/NDF:23.8/17

+ sign 2223.083+/-232.521 χ^2/NDF: 23.9/34

All: -15.373+/-164.281 χ^2/NDF: 245.6/71

- 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: 1094.796+/-0.200 χ^2/NDF:3590.4/18

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

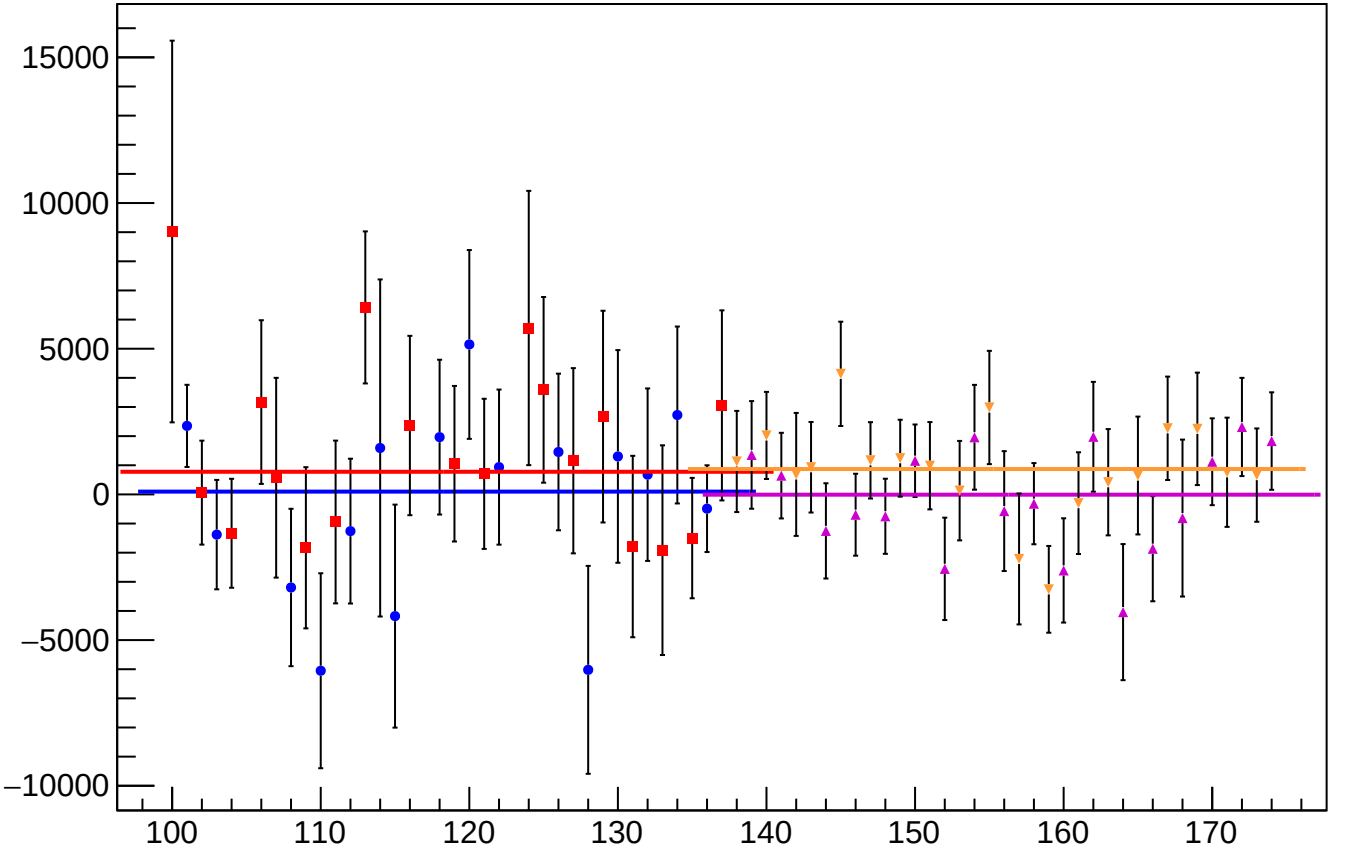
Left In: 1094.412+/-0.201 χ^2/NDF:3521.6/17

+ sign 1097.433+/-0.164 χ^2/NDF: 17356.0/34

All: 1098.030+/-0.116 χ^2/NDF: 30921.9/71

- 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: 870.861+/-385.655 χ^2/NDF:16.7/18

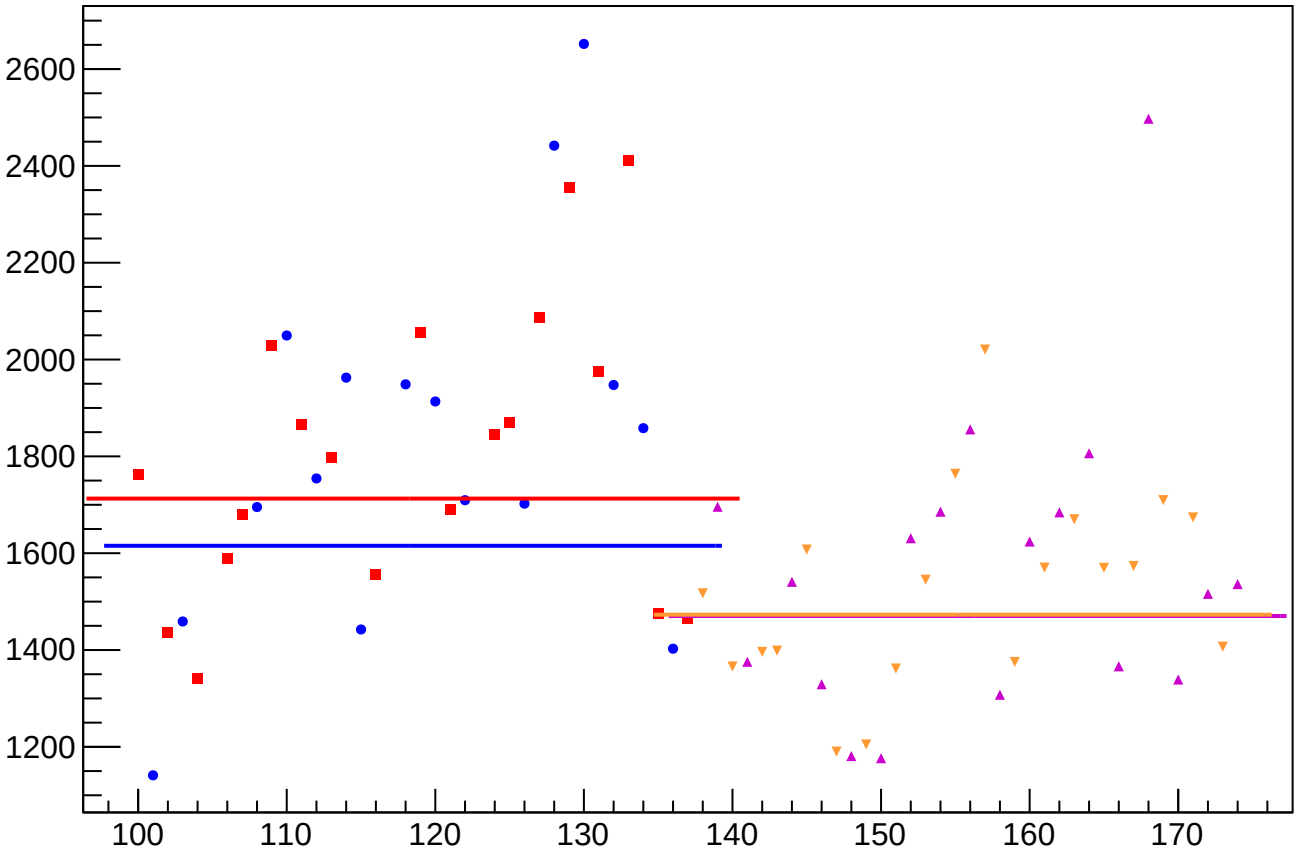
Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -9.378+/-387.742 χ^2/NDF:17.2/17

\+ sign 653.721+/-327.190 χ^2/NDF: 34.8/34

All: 431.223+/-232.764 χ^2/NDF: 69.1/71

\- sign 203.233+/-331.203 χ^2/NDF: 33.4/36



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1473.042+/-0.273 χ^2/NDF:489660.1/18

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

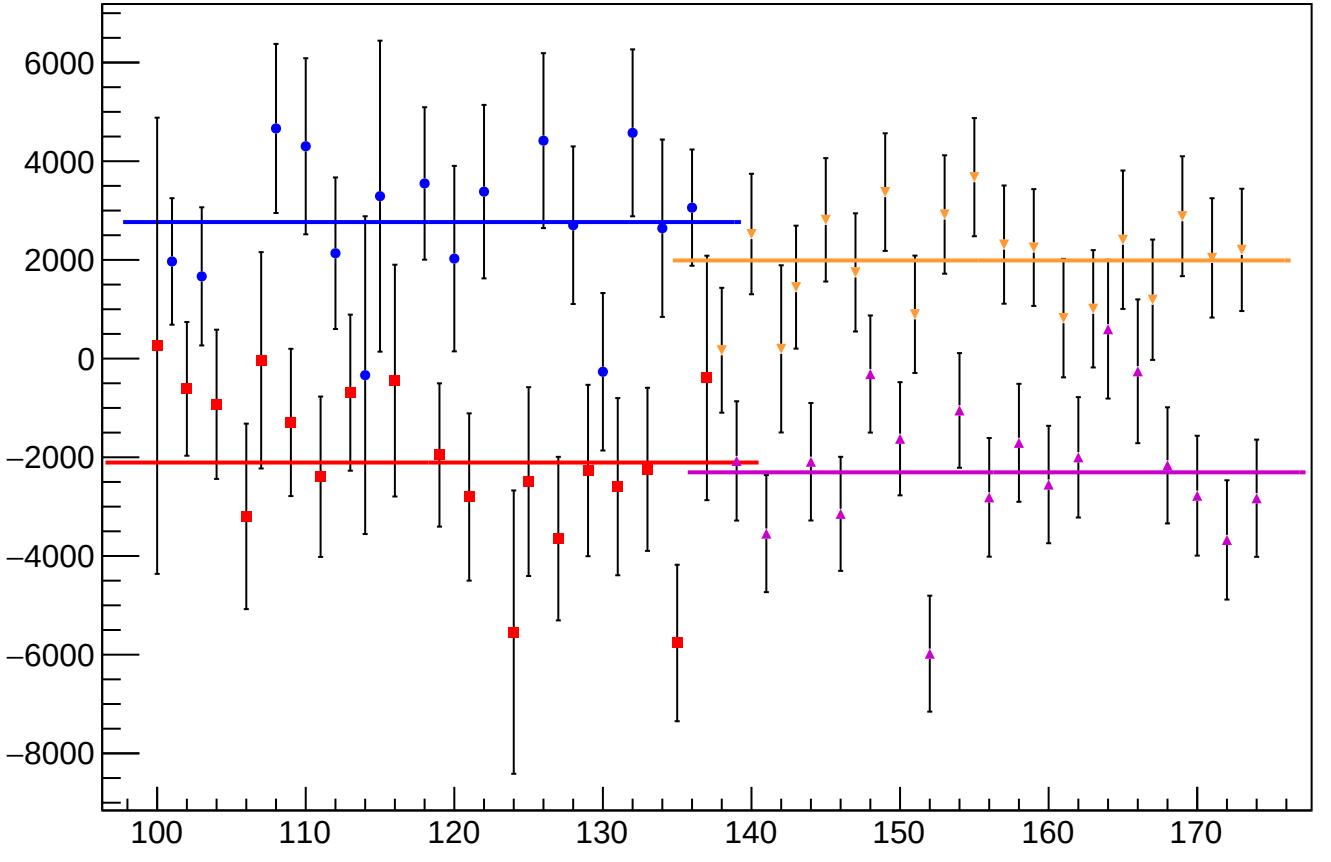
Left In: 1470.250+/-0.274 χ^2/NDF:816864.5/17

\+ sign 1512.909+/-0.231 χ^2/NDF: 1259563.3/34

All: 1524.228+/-0.165 χ^2/NDF: 2720930.8/71

\- sign 1535.827+/-0.234 χ^2/NDF: 1456520.9/36

dit_asym_usr_mean vs Slug



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

Left Out: 1989.146+/-283.594 χ^2/NDF:11.7/18

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

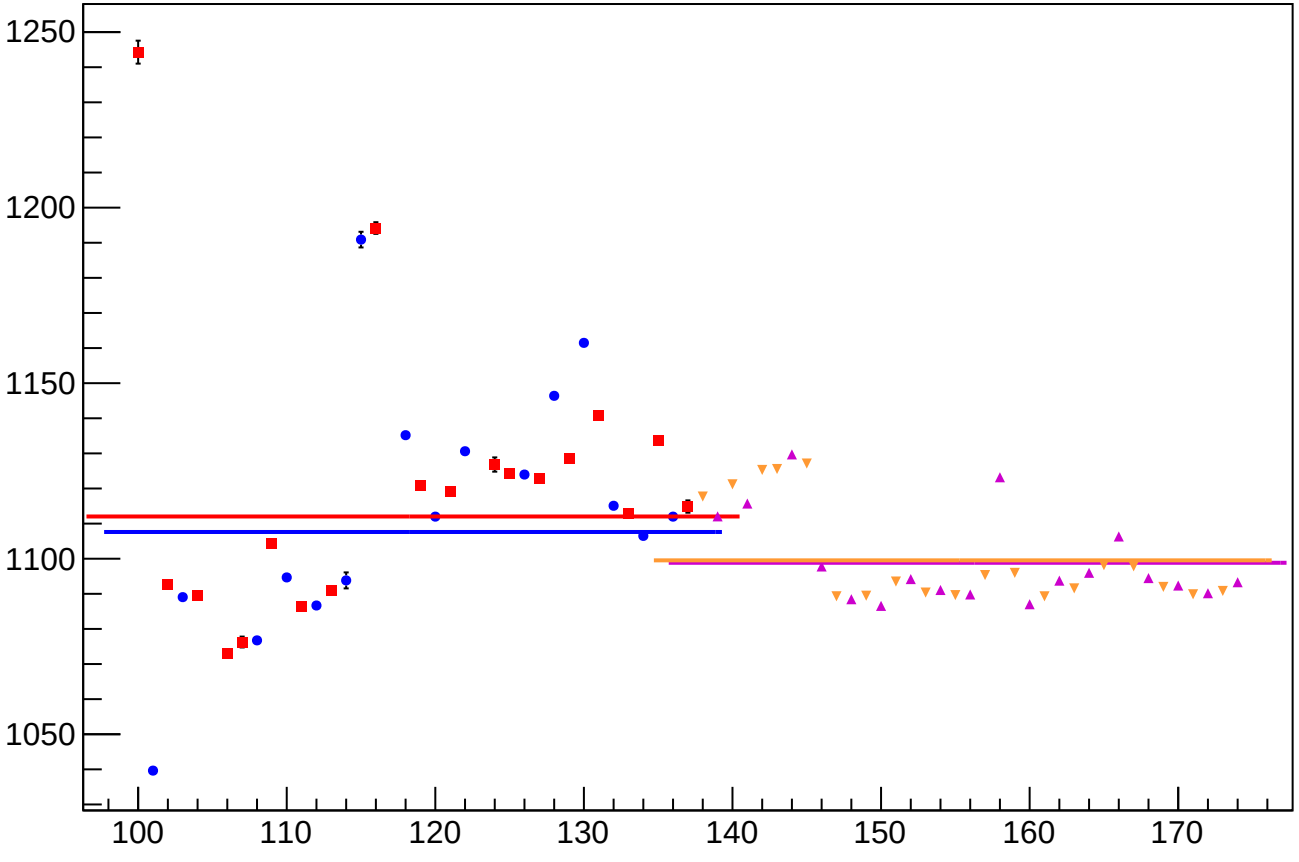
Left In: -2304.924+/-284.856 χ^2/NDF:24.2/17

+ sign 2239.463+/-233.522 χ^2/NDF: 24.4/34

All: -3.913+/-164.978 χ^2/NDF: 246.4/71

- 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: 1099.532+/-0.201 χ^2/NDF:4532.0/18

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

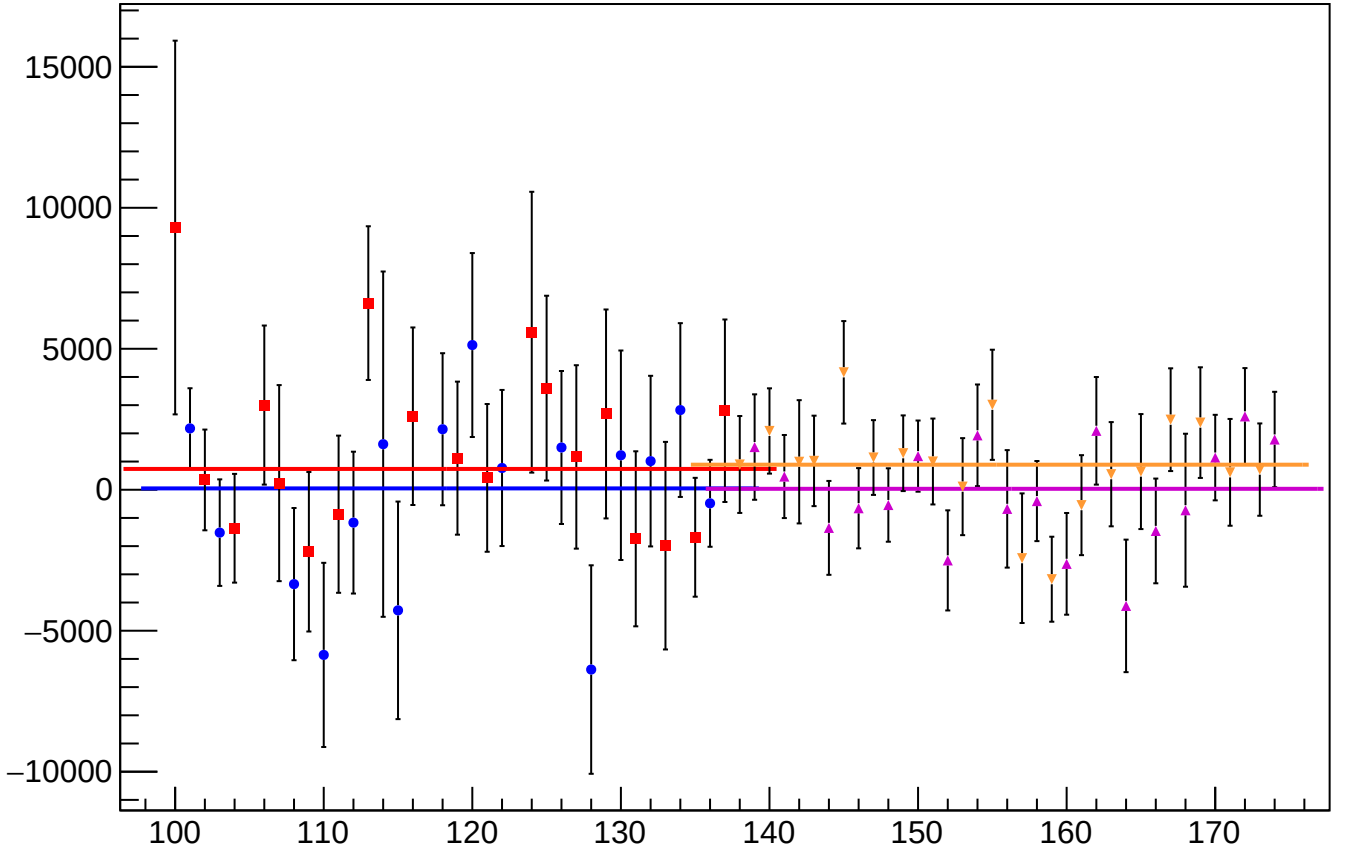
Left In: 1098.842+/-0.201 χ^2/NDF:3959.5/17

+ sign 1102.134+/-0.165 χ^2/NDF: 18275.7/34

All: 1102.667+/-0.117 χ^2/NDF: 32325.5/71

- 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: 888.823+/-391.495 χ^2/NDF:16.8/18

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

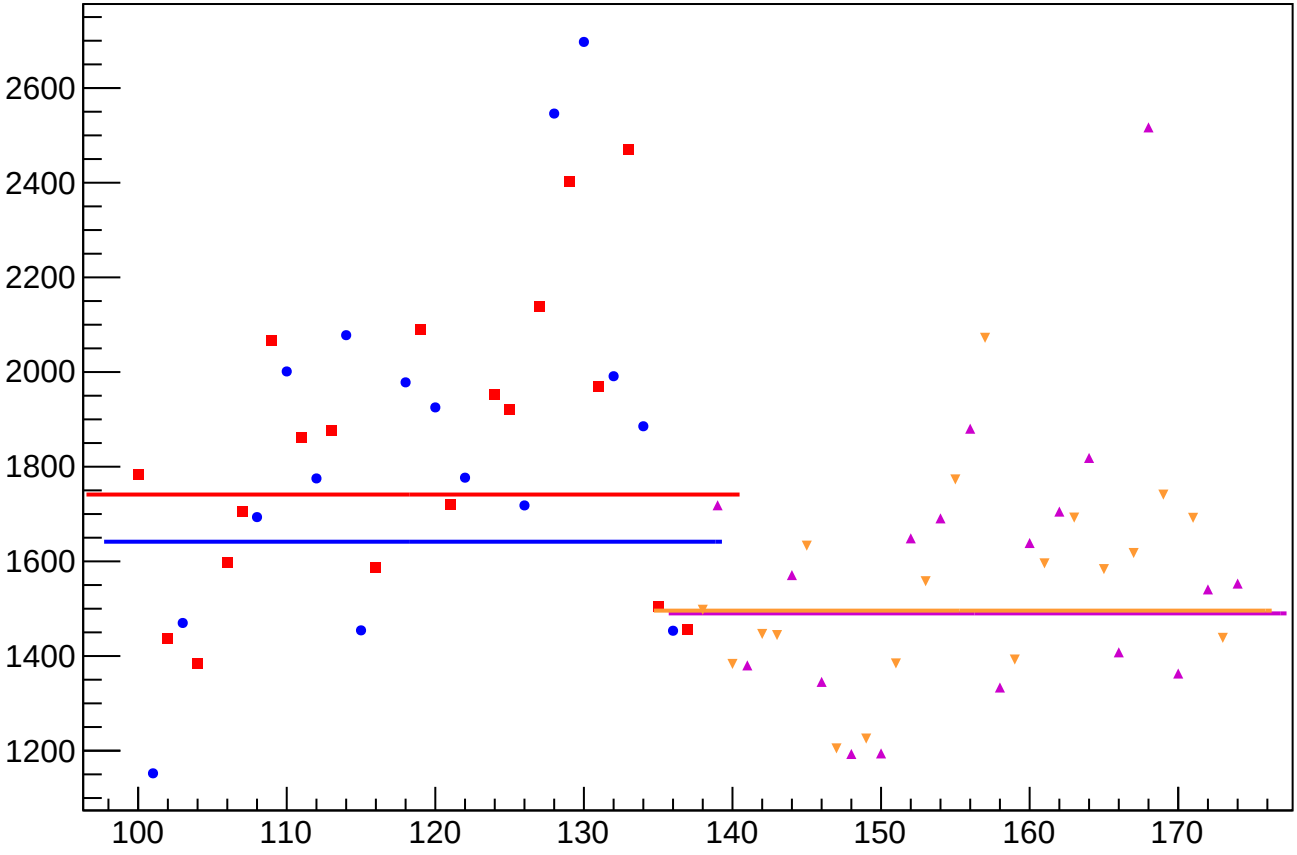
Left In: 33.169+/-392.739 χ^2/NDF:17.1/17

+ sign 653.488+/-332.235 χ^2/NDF: 35.0/34

All: 440.397+/-236.189 χ^2/NDF: 68.7/71

- 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: 1495.926+/-0.277 χ^2/NDF:488574.6/18

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

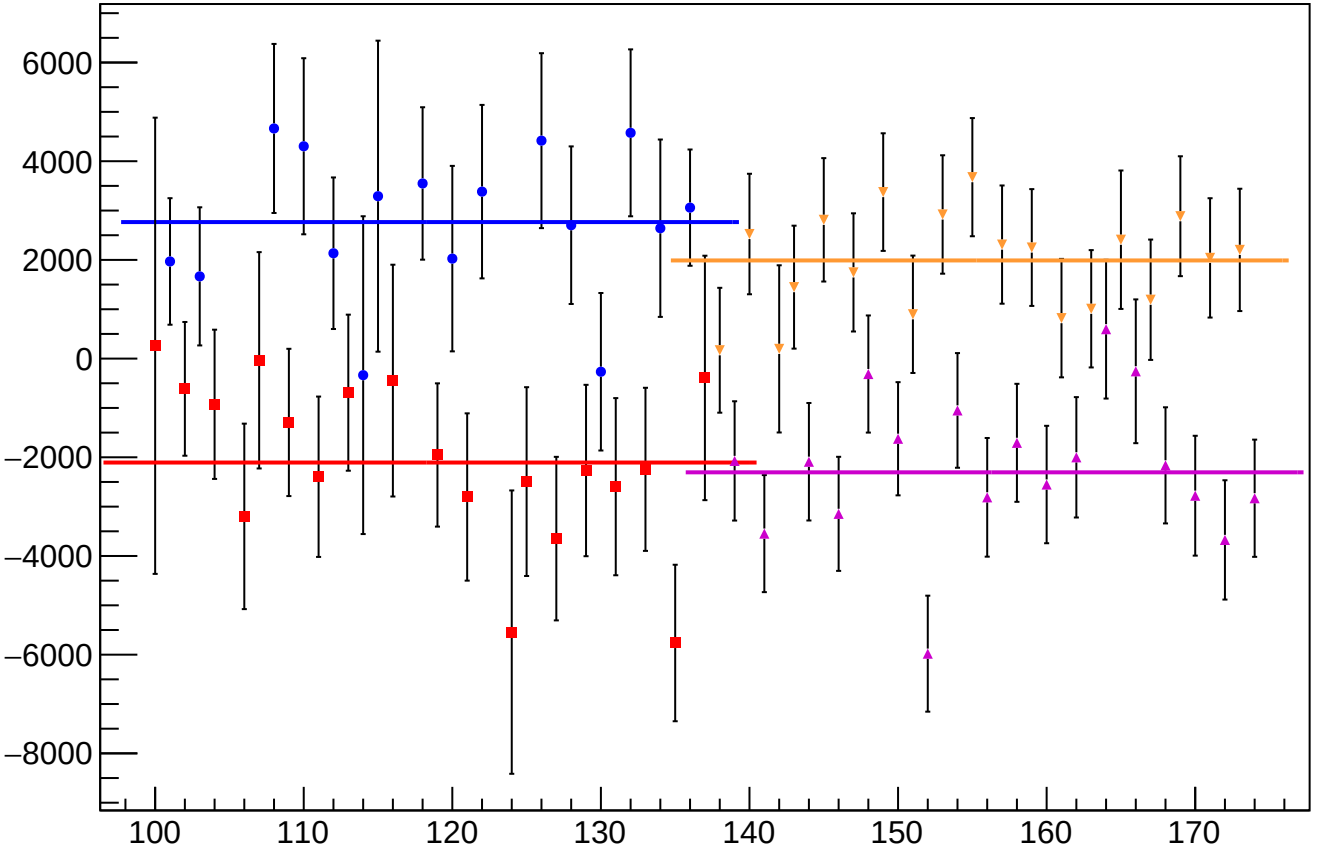
Left In: 1490.087+/-0.278 χ^2/NDF:802437.6/17

+ sign 1536.672+/-0.235 χ^2/NDF: 1267307.2/34

All: 1547.013+/-0.167 χ^2/NDF: 2731756.7/71

- 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: 1989.144+/-283.594 χ^2/NDF:11.7/18

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

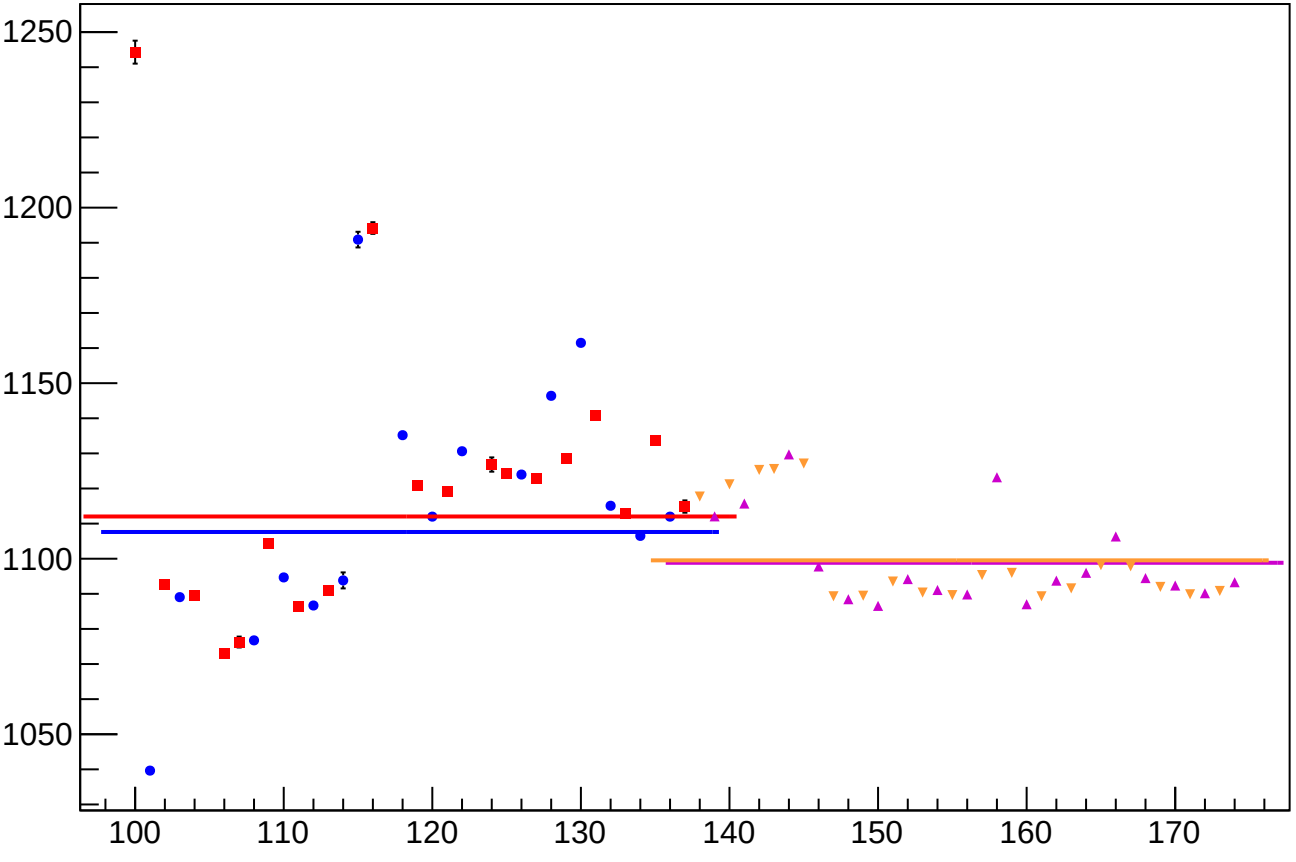
Left In: -2304.924+/-284.856 χ^2/NDF:24.2/17

+ sign 2239.461+/-233.522 χ^2/NDF: 24.4/34

All: -3.915+/-164.978 χ^2/NDF: 246.4/71

- 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: 1099.532+/-0.201 χ^2/NDF:4532.0/18

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

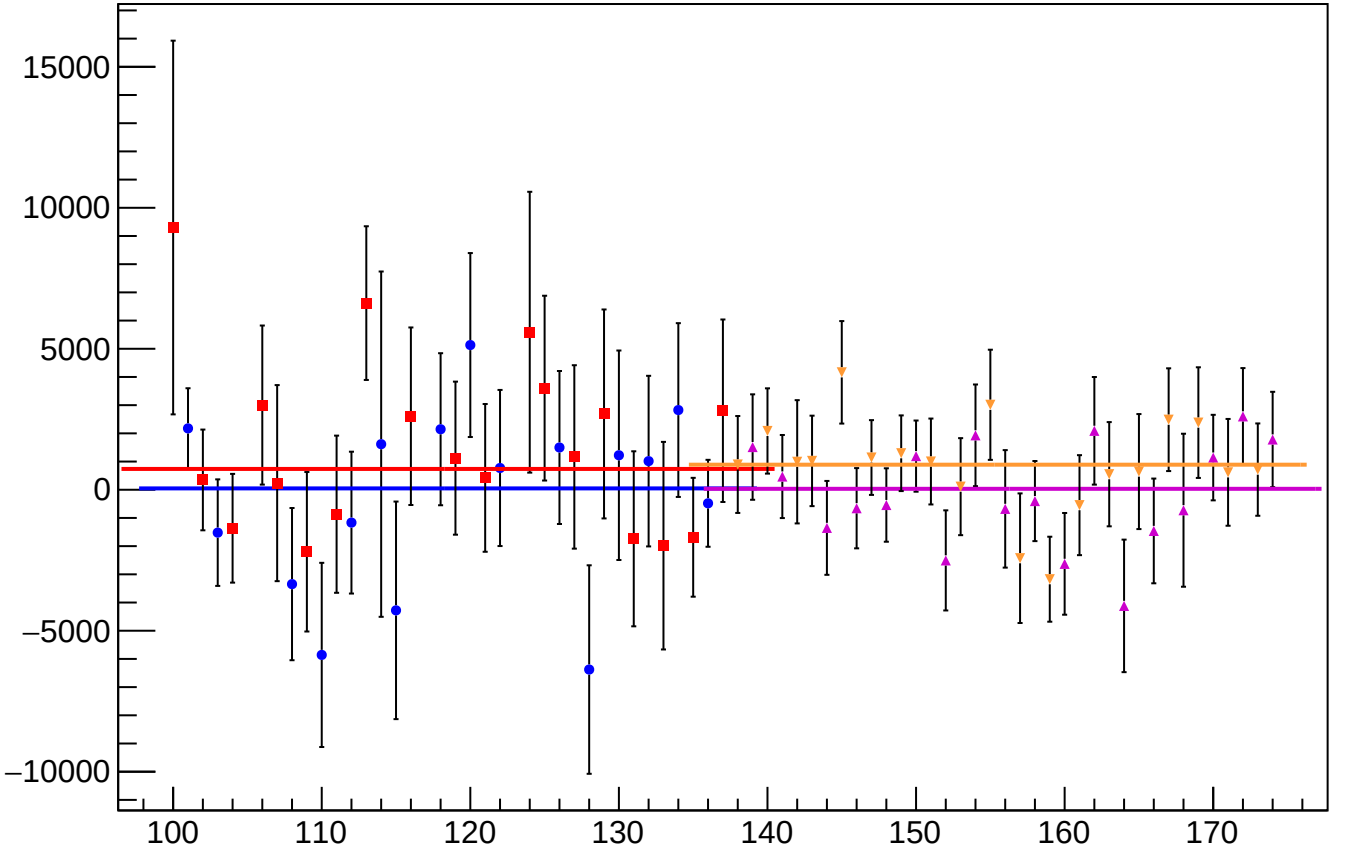
Left In: 1098.842+/-0.201 χ^2/NDF:3959.5/17

+ sign 1102.134+/-0.165 χ^2/NDF: 18275.6/34

All: 1102.667+/-0.117 χ^2/NDF: 32325.3/71

- 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: 888.822+/-391.496 χ^2/NDF:16.8/18

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

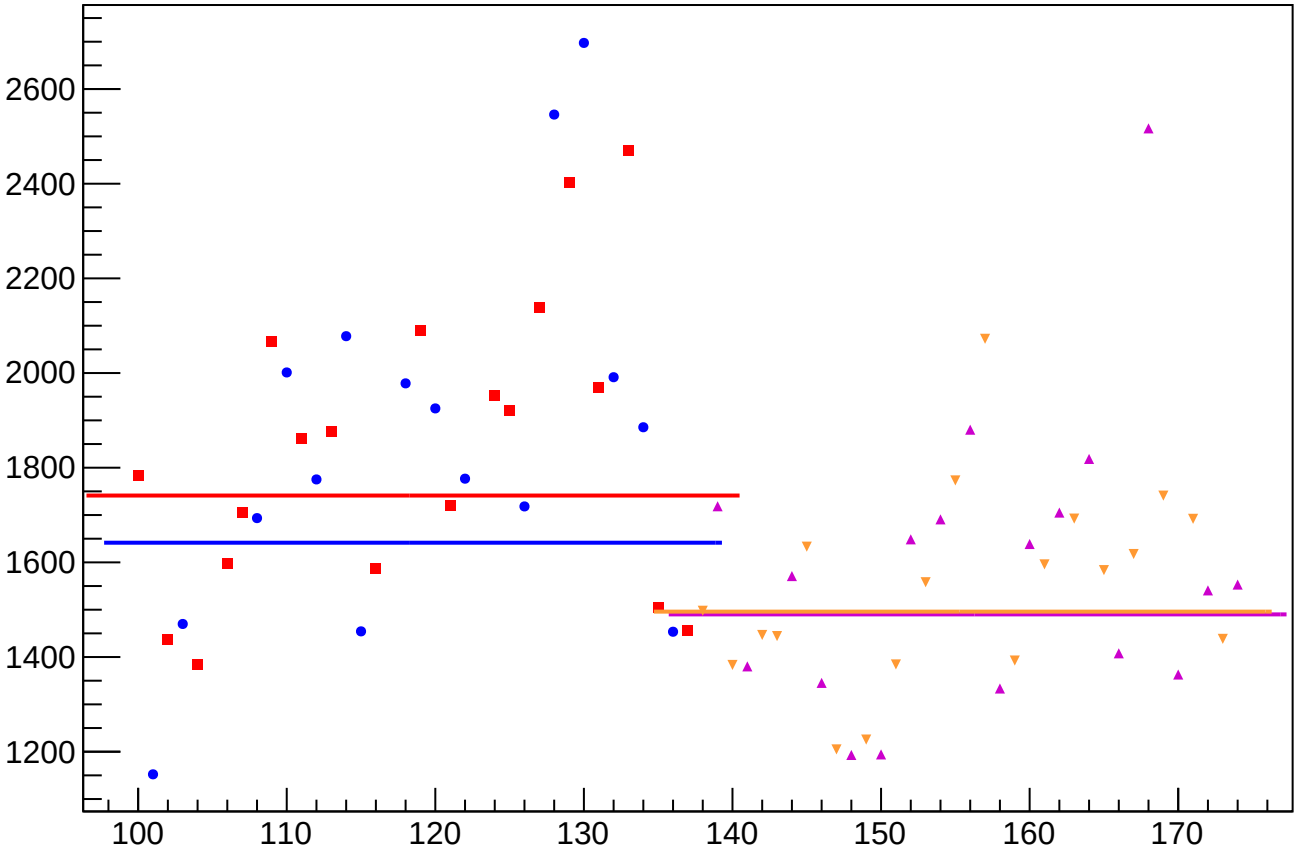
Left In: 33.168+/-392.740 χ^2/NDF:17.1/17

+ sign 653.485+/-332.235 χ^2/NDF: 35.0/34

All: 440.396+/-236.189 χ^2/NDF: 68.7/71

- 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: 1495.929+/-0.277 χ^2/NDF:488579.1/18

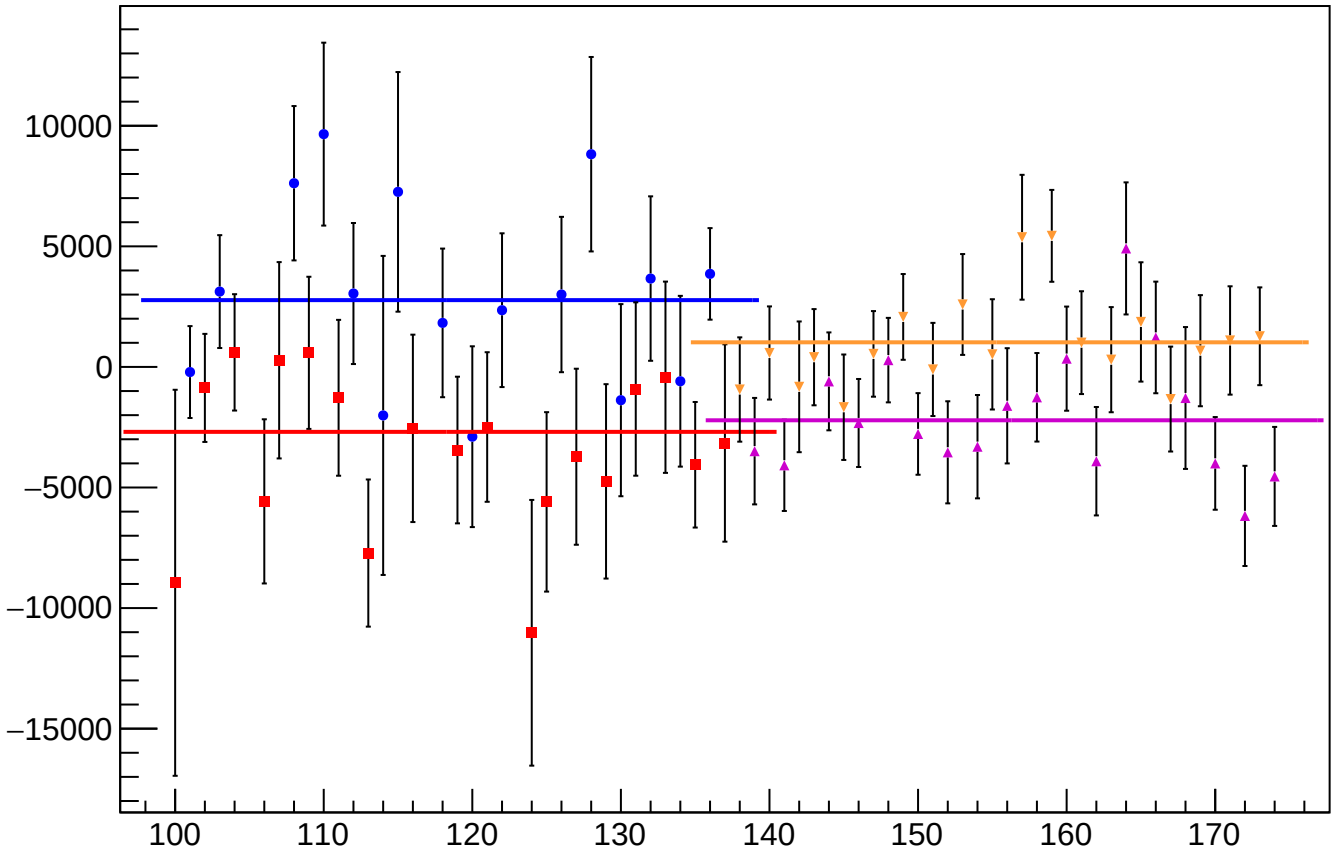
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1490.091+/-0.278 χ^2/NDF:802443.5/17

+ sign 1536.674+/-0.235 χ^2/NDF: 1267293.3/34

All: 1547.015+/-0.167 χ^2/NDF: 2731727.7/71

- 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: 1020.570+/-484.499 χ^2/NDF:14.0/18

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

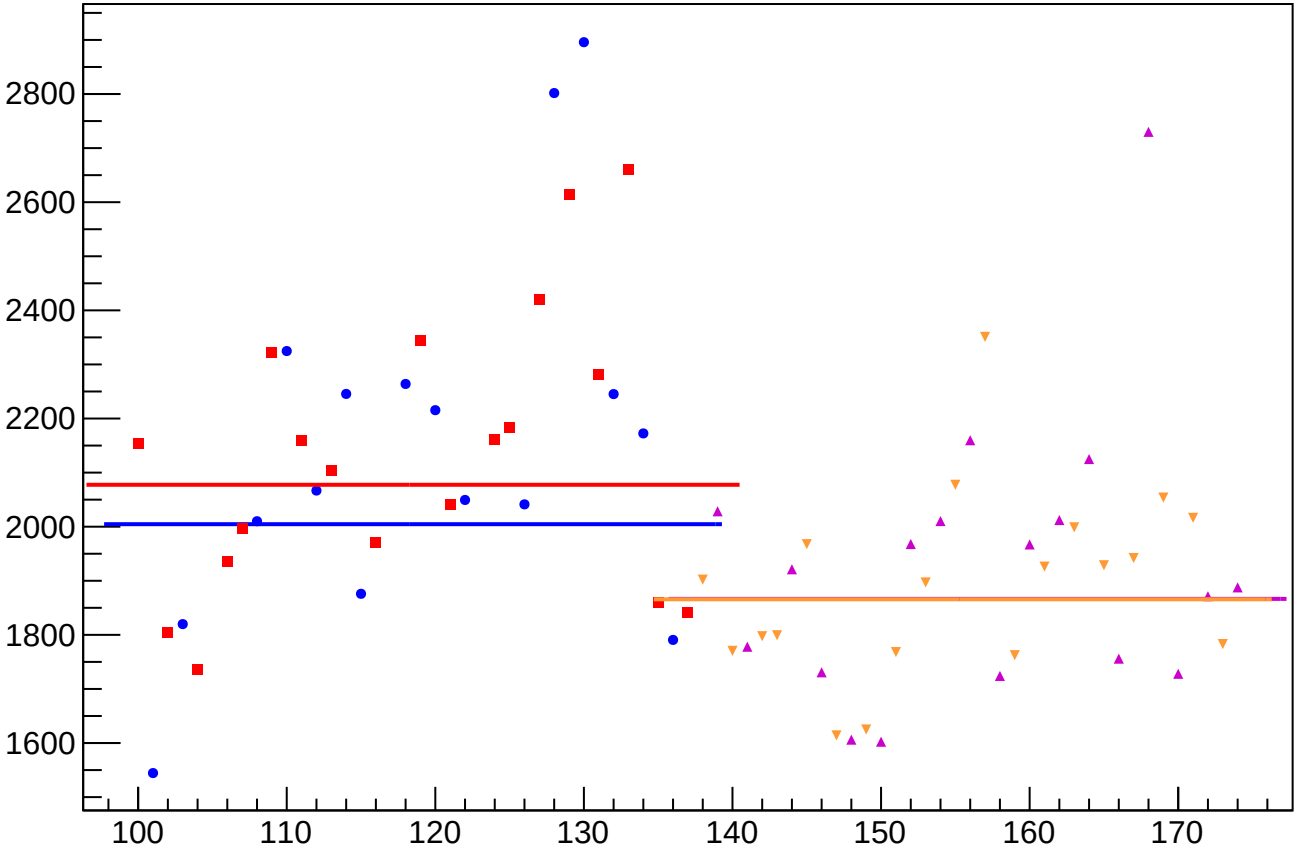
Left In: -2212.924+/-487.802 χ^2/NDF:21.9/17

+ sign 1528.828+/-408.092 χ^2/NDF: 34.2/34

All: -395.542+/-289.733 χ^2/NDF: 113.8/71

- 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: 1865.742+/-0.343 χ^2/NDF:227460.3/18

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

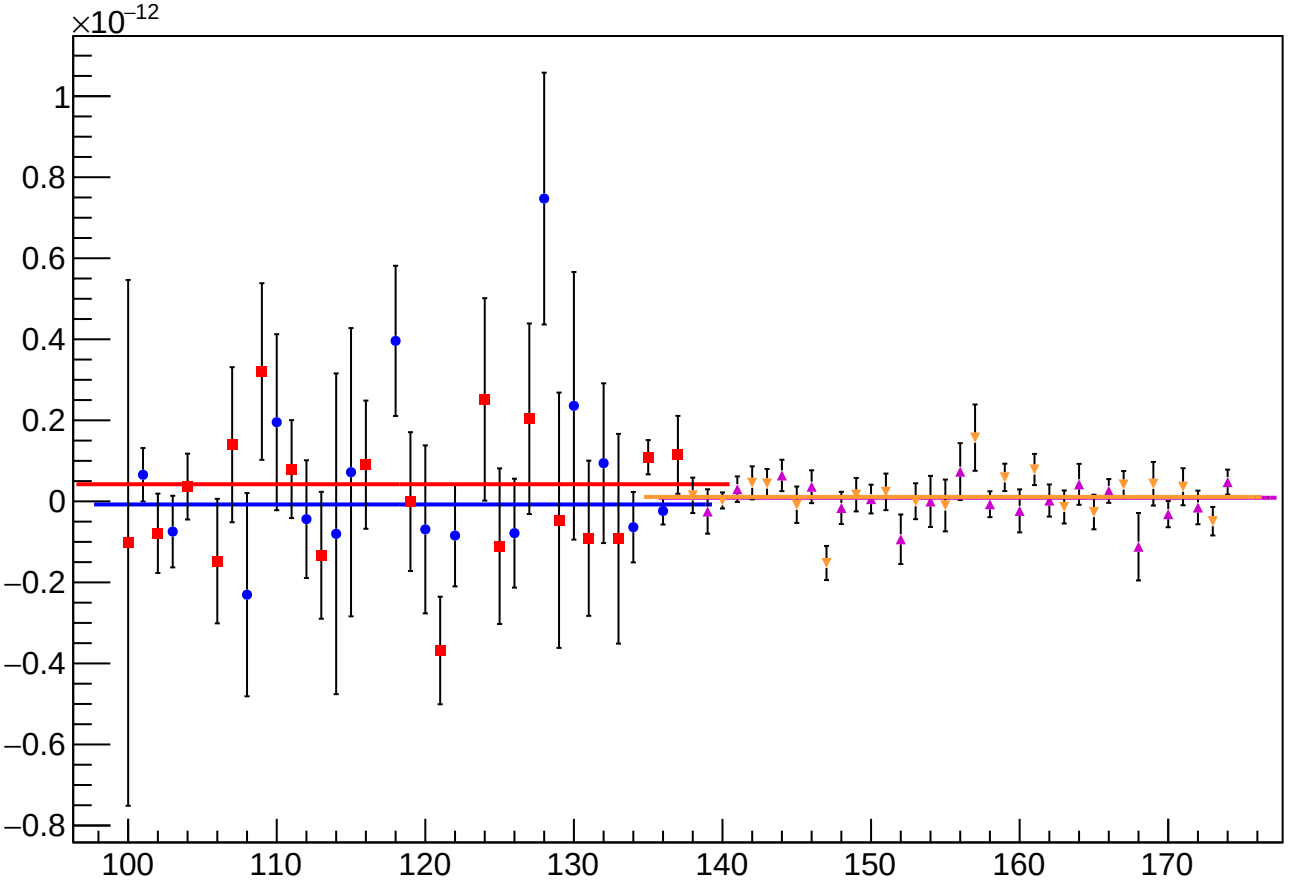
Left In: 1866.525+/-0.345 χ^2/NDF:394414.4/17

+ sign 1906.095+/-0.289 χ^2/NDF: 662781.2/34

All: 1916.674+/-0.205 χ^2/NDF: 1398379.6/71

- 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:31.2/18

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

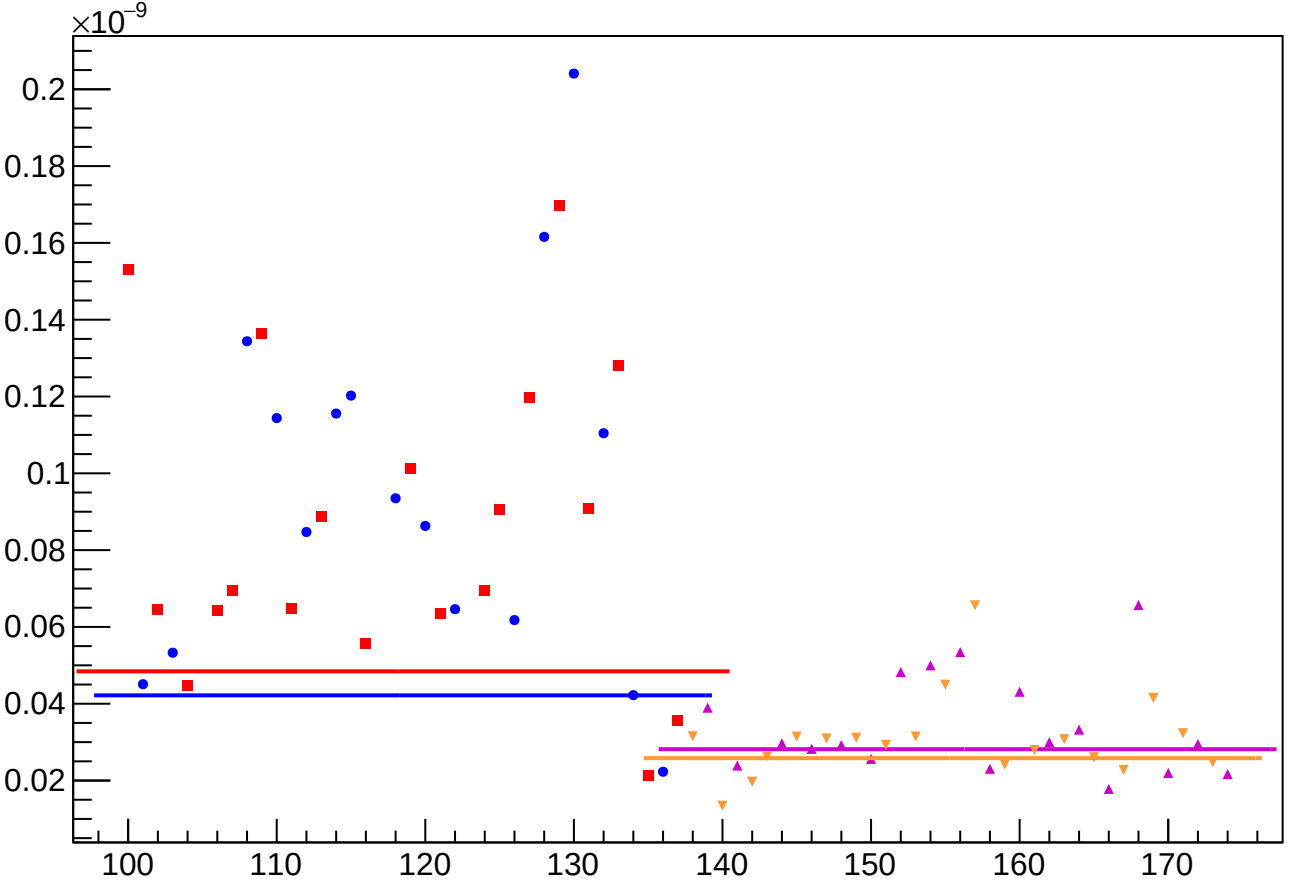
Left In: 0.000+/-0.000 χ^2/NDF:14.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 48.1/34

All: 0.000+/-0.000 χ^2/NDF: 85.7/71

- 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:1921689.0/18

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

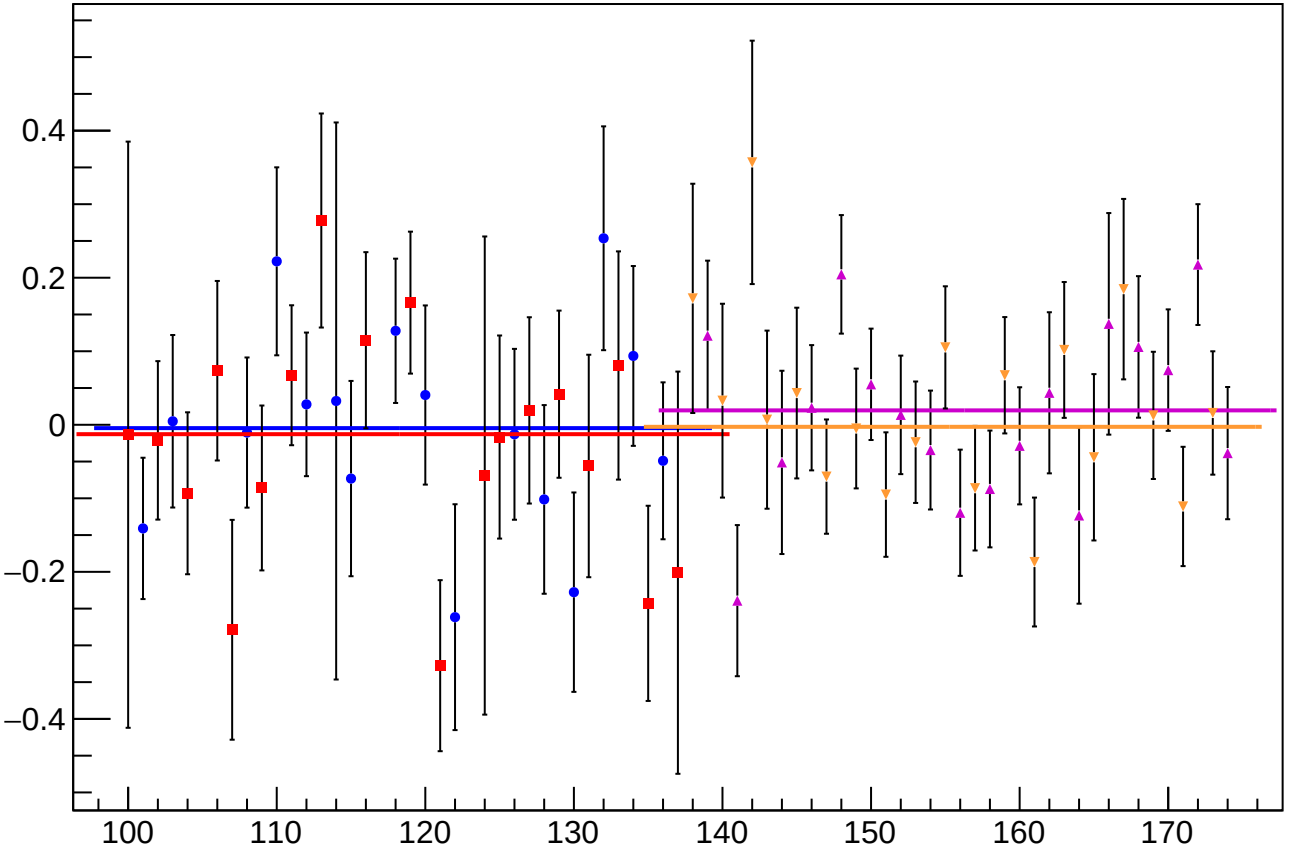
Left In: 0.000+/-0.000 χ^2/NDF:1898089.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 5655732.1/34

All: 0.000+/-0.000 χ^2/NDF: 11254161.6/71

- 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: -0.003+/-0.022 χ^2/NDF:21.7/18

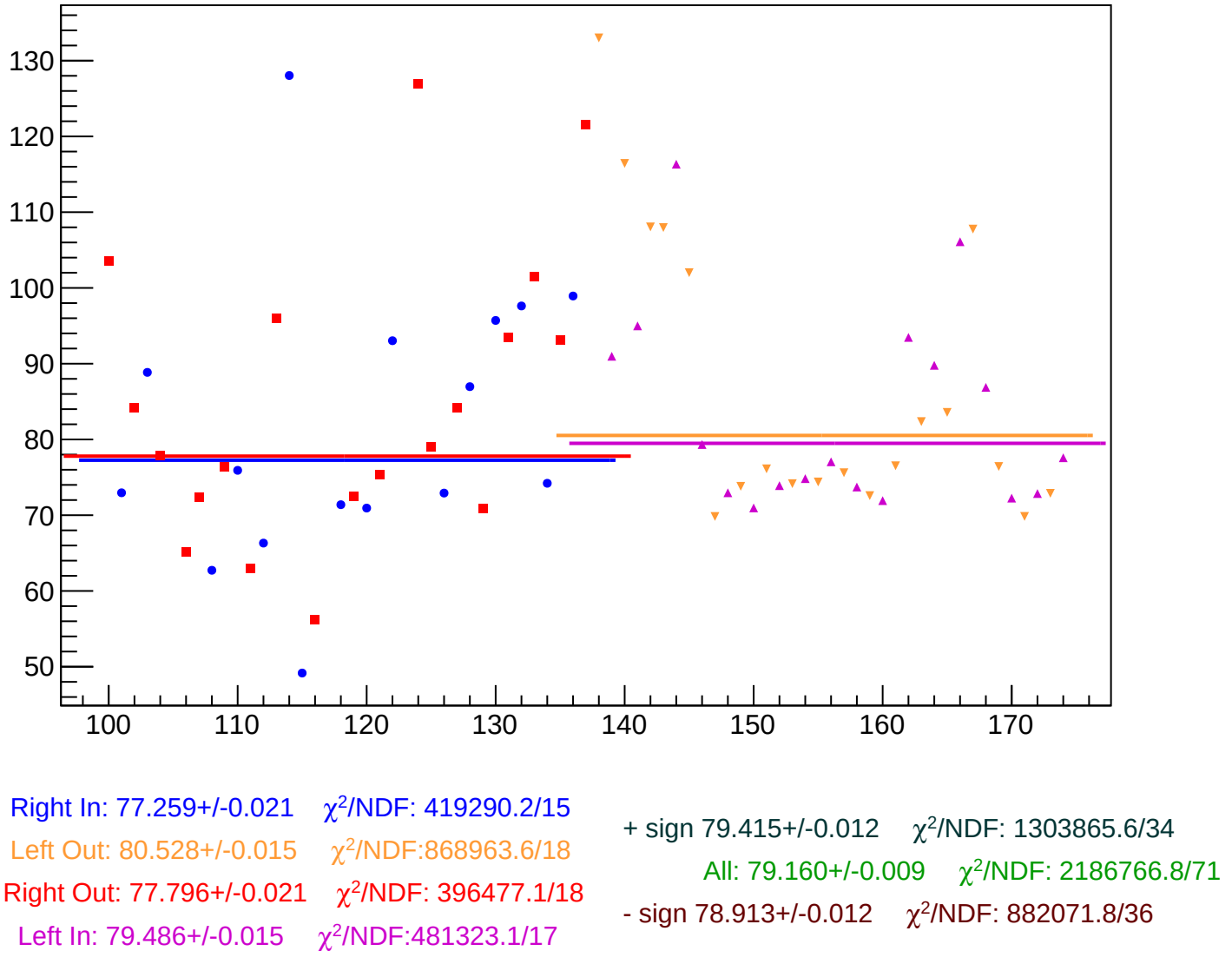
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.020+/-0.021 χ^2/NDF:28.0/17

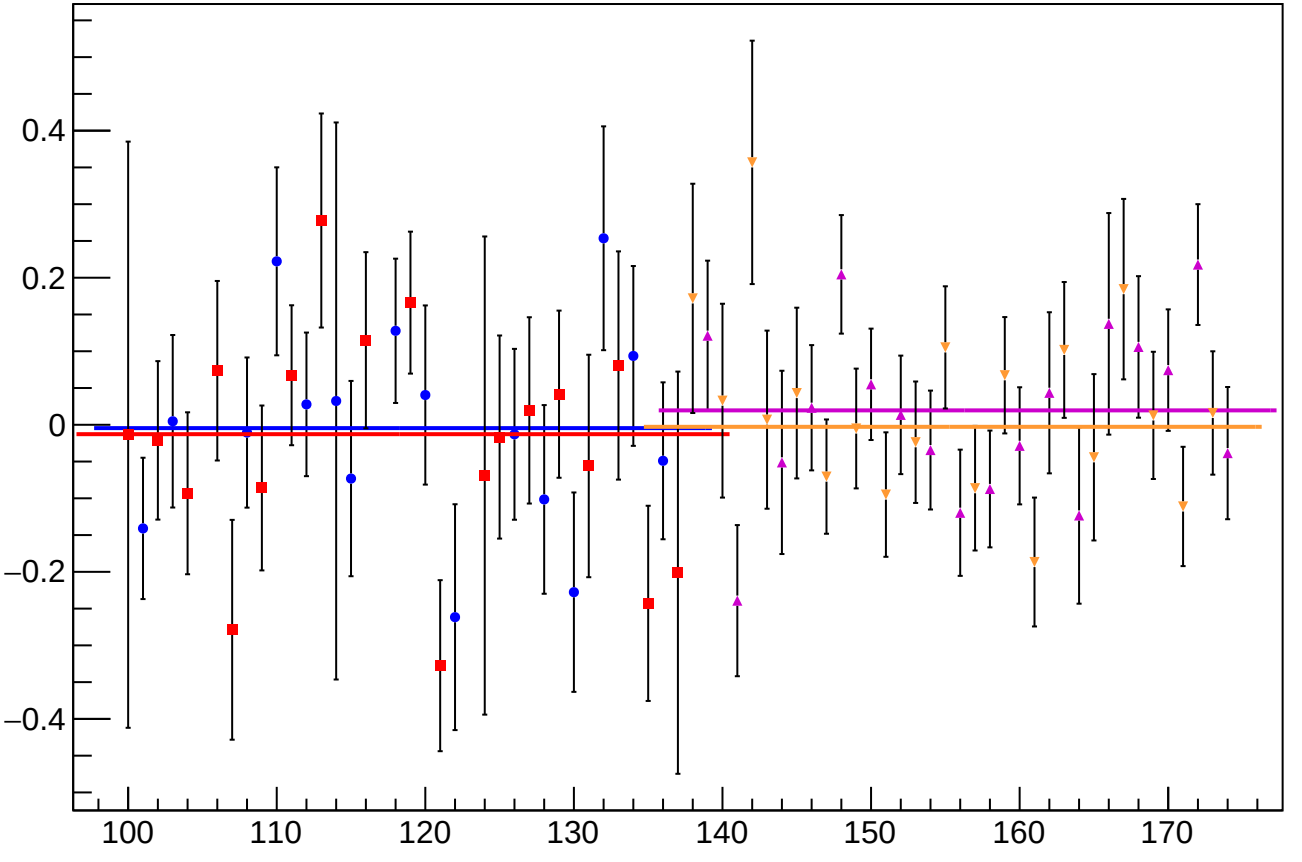
+ sign -0.003+/-0.018 χ^2/NDF: 39.0/34

All: 0.003+/-0.012 χ^2/NDF: 93.4/71

- sign 0.009+/-0.017 χ^2/NDF: 54.2/36


asym_usr_dit_vs_cor_diff_rms vs Slug
130
120
110
100
90
80
70
60
50
100
110
120
130
140
150
160
170
Right In: 77.259+/-0.021 χ²/NDF: 419290.2/15
Left Out: 80.528+/-0.015 χ²/NDF:868963.6/18
Right Out: 77.796+/-0.021 χ²/NDF: 396477.1/18
Left In: 79.486+/-0.015 χ²/NDF:481323.1/17
+ sign 79.415+/-0.012 χ²/NDF: 1303865.6/34
All: 79.160+/-0.009 χ²/NDF: 2186766.8/71
- sign 78.913+/-0.012 χ²/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: -0.003+/-0.022 χ^2/NDF:21.7/18

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

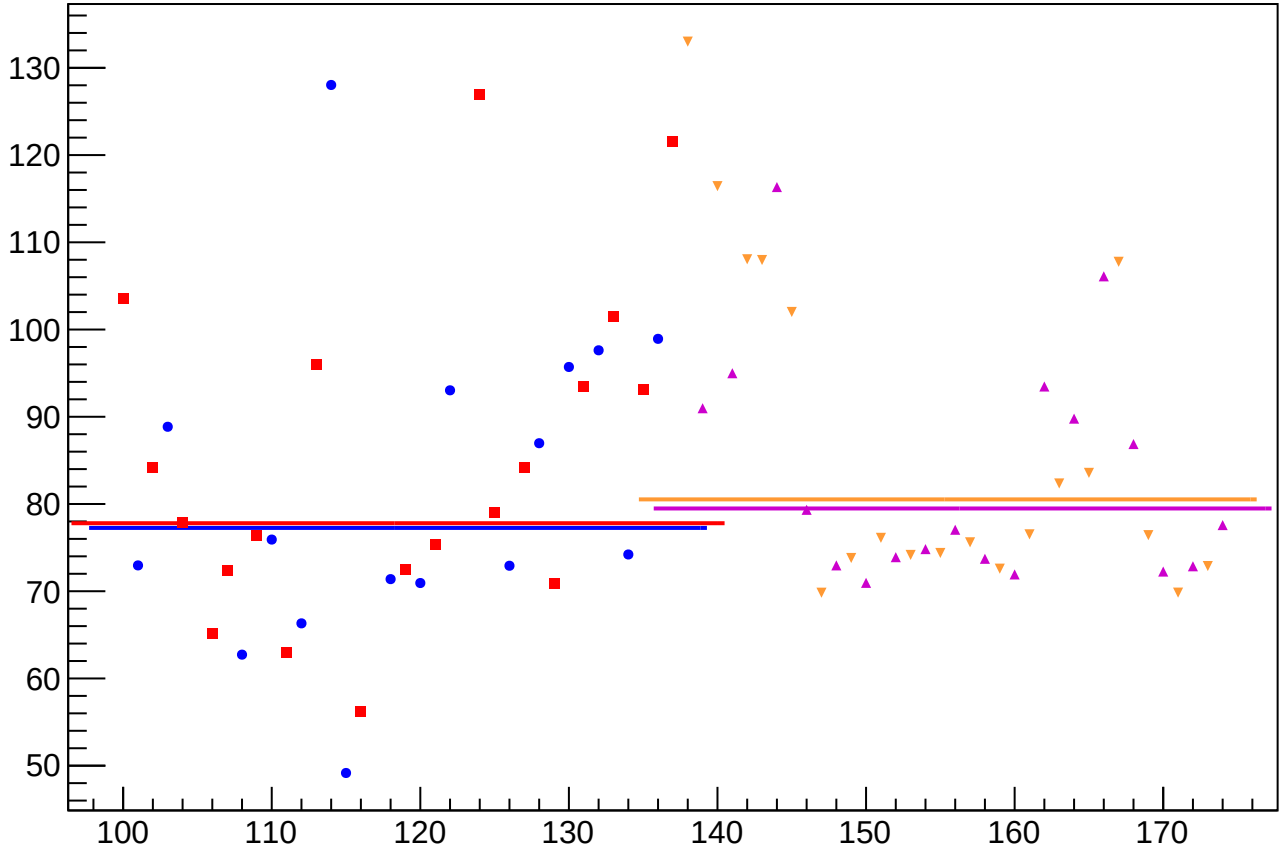
Left In: 0.020+/-0.021 χ^2/NDF:28.0/17

+ sign -0.003+/-0.018 χ^2/NDF: 39.0/34

All: 0.003+/-0.012 χ^2/NDF: 93.4/71

- 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: 80.528+/-0.015 χ^2/NDF:868963.6/18

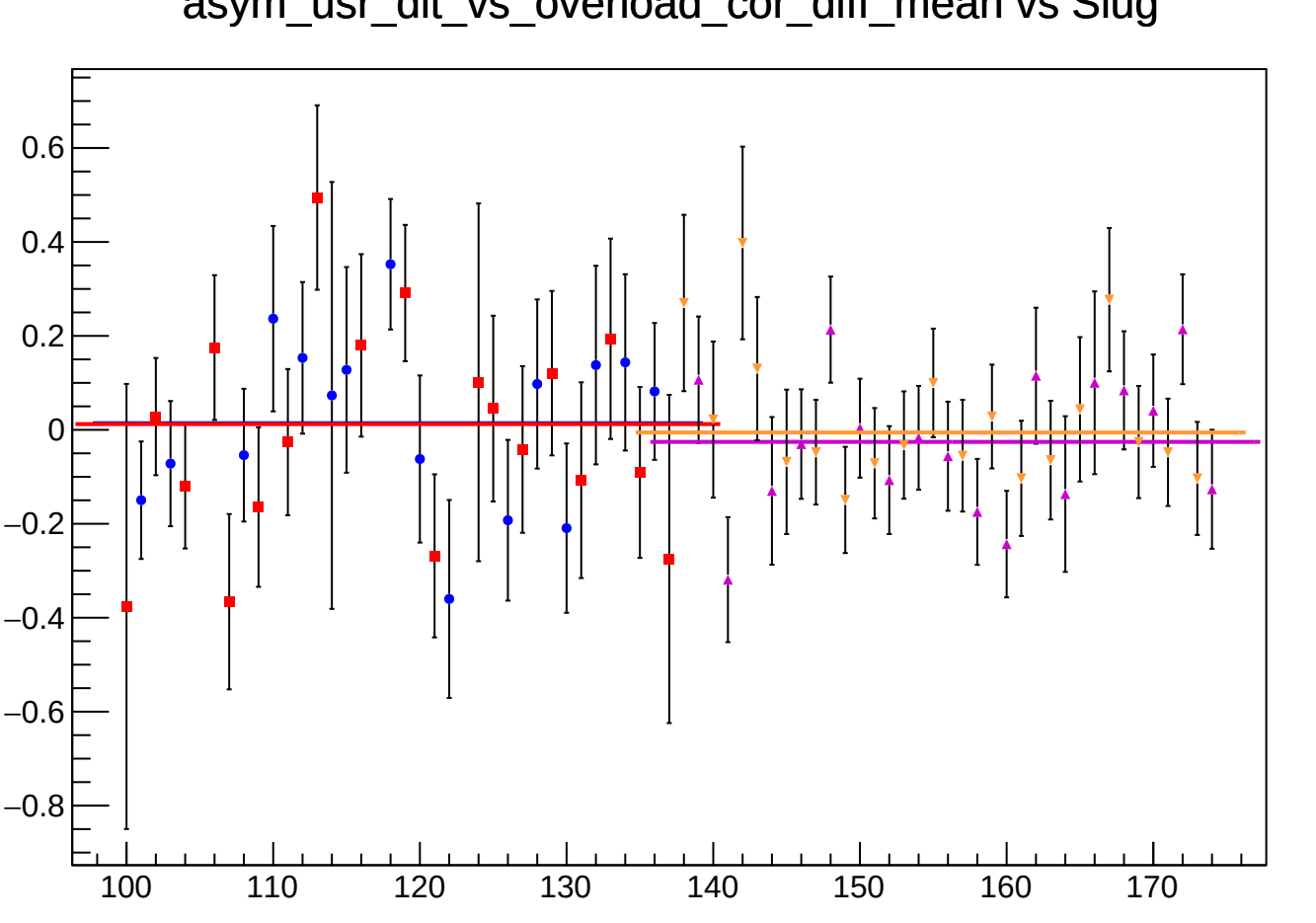
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.486+/-0.015 χ^2/NDF:481323.1/17

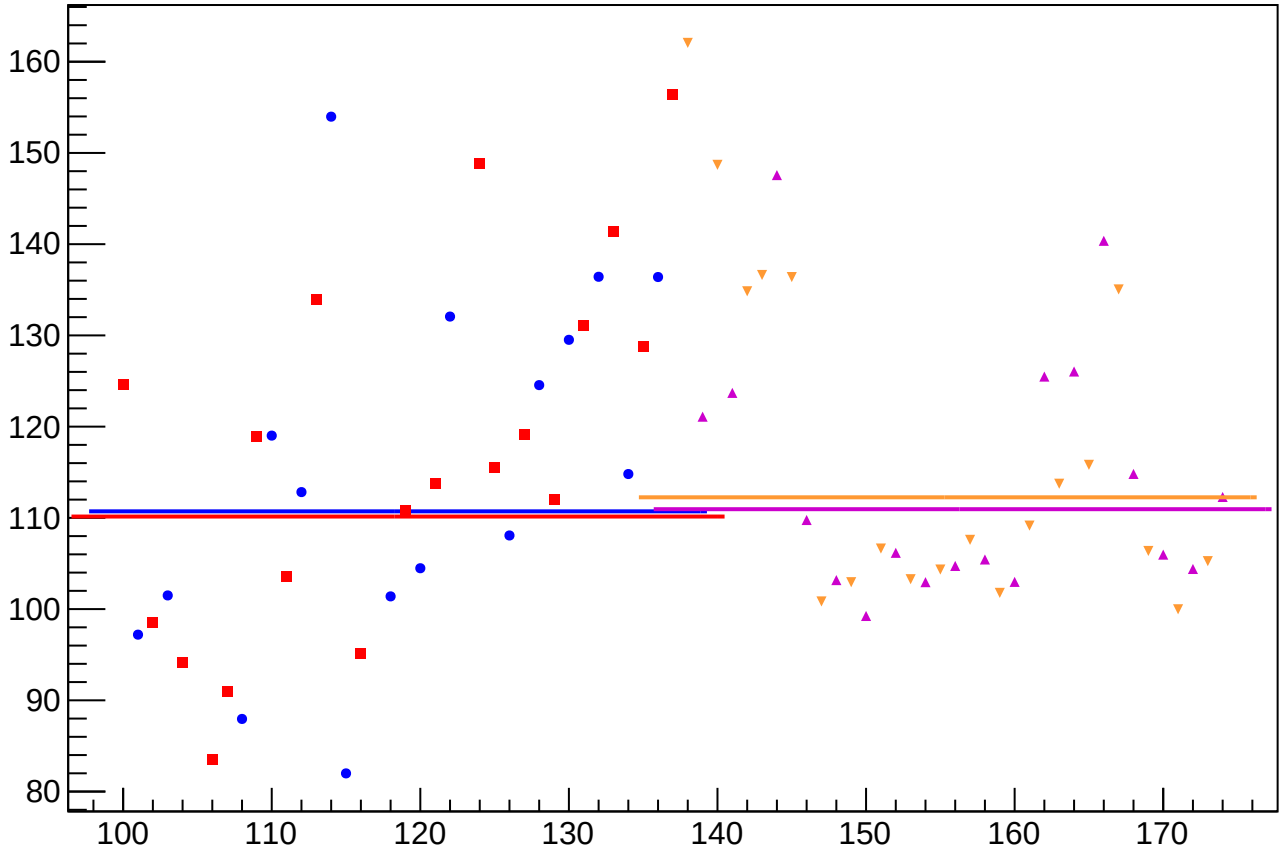
+ sign 79.415+/-0.012 χ^2/NDF: 1303865.6/34

All: 79.160+/-0.009 χ^2/NDF: 2186766.8/71

- 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: -0.006+/-0.030 χ²/NDF:15.4/18
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.026+/-0.029 χ²/NDF:24.6/17
+ sign 0.001+/-0.024 χ²/NDF: 33.8/34
All: -0.006+/-0.017 χ²/NDF: 82.8/71
- 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: 112.253+/-0.021 χ^2/NDF:525398.5/18

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

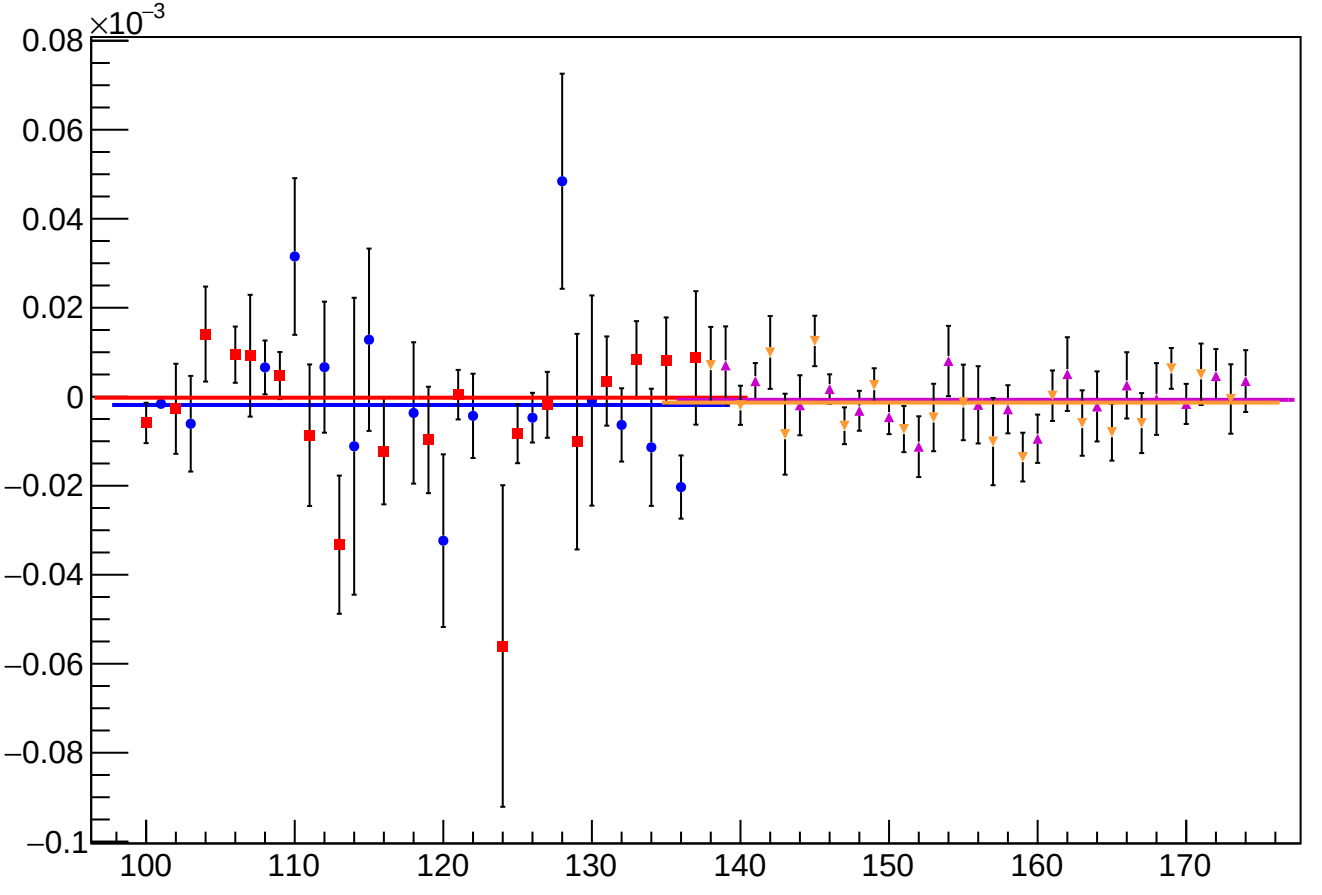
Left In: 110.951+/-0.021 χ^2/NDF:301262.9/17

+ sign 111.746+/-0.017 χ^2/NDF: 827148.4/34

All: 111.206+/-0.012 χ^2/NDF: 1457600.8/71

- sign 110.680+/-0.017 χ^2/NDF: 628495.2/36

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/18

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

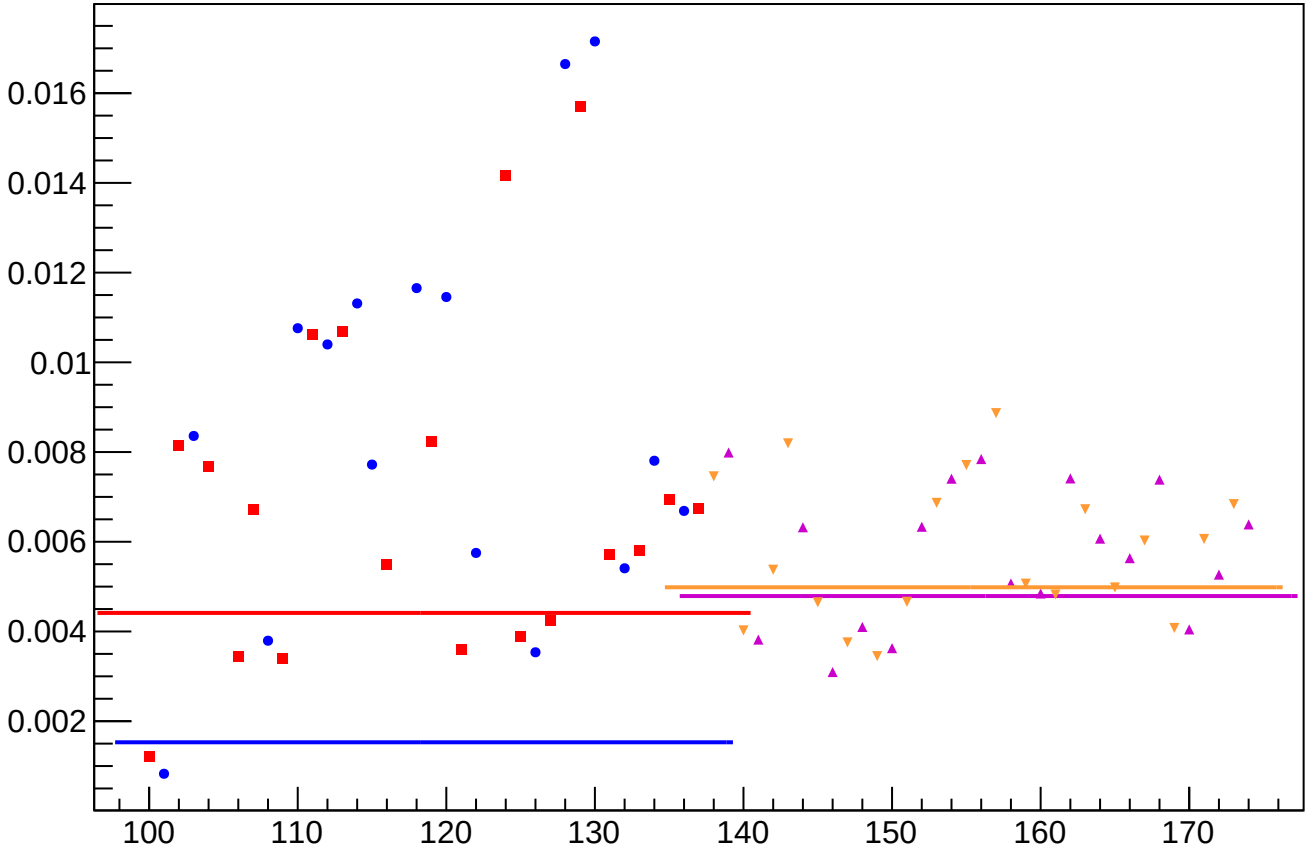
Left In: -0.000+/-0.000 χ^2/NDF:12.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/34

All: -0.000+/-0.000 χ^2/NDF: 79.3/71

- 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:2081587.8/18

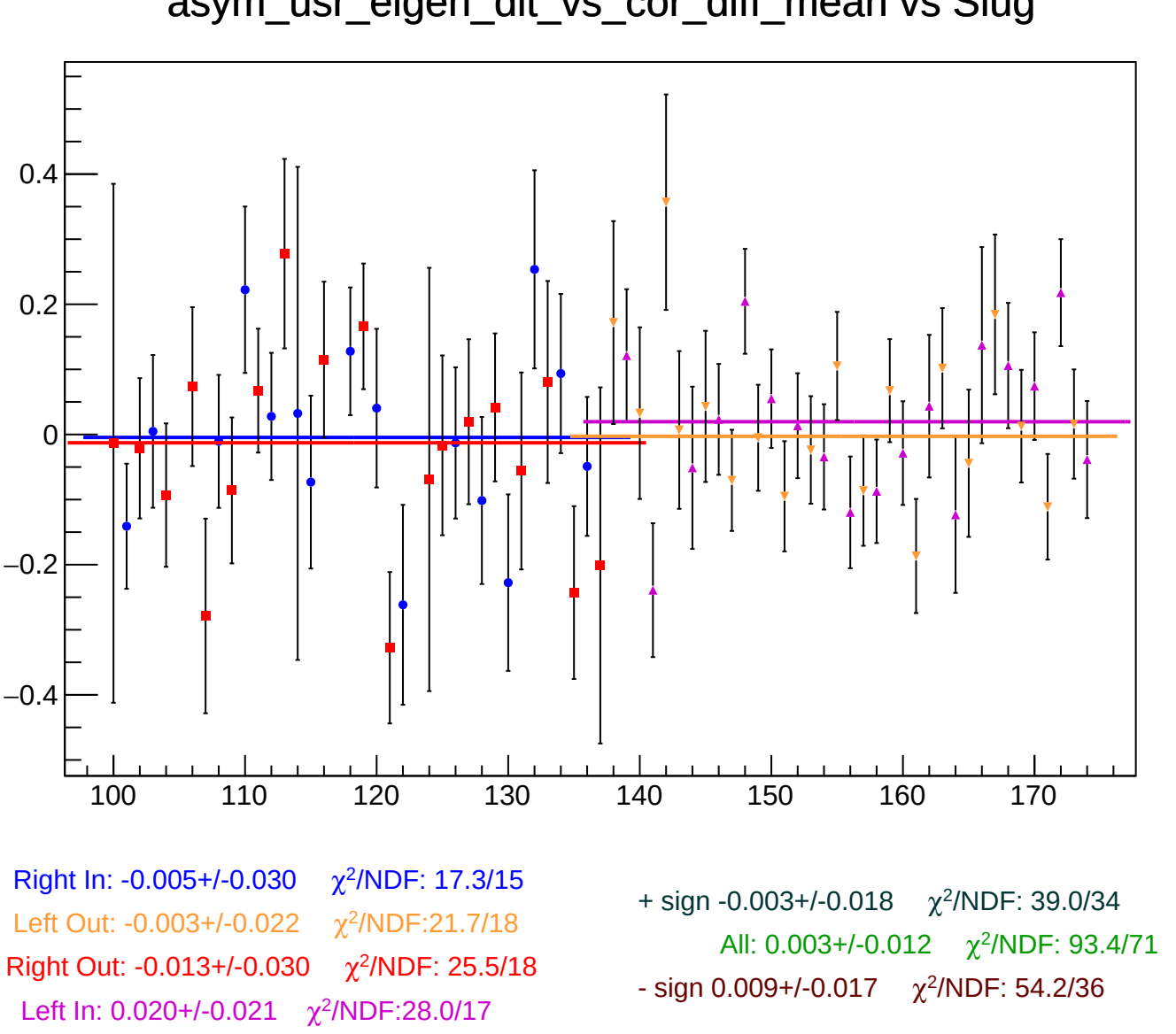
Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2471155.5/17

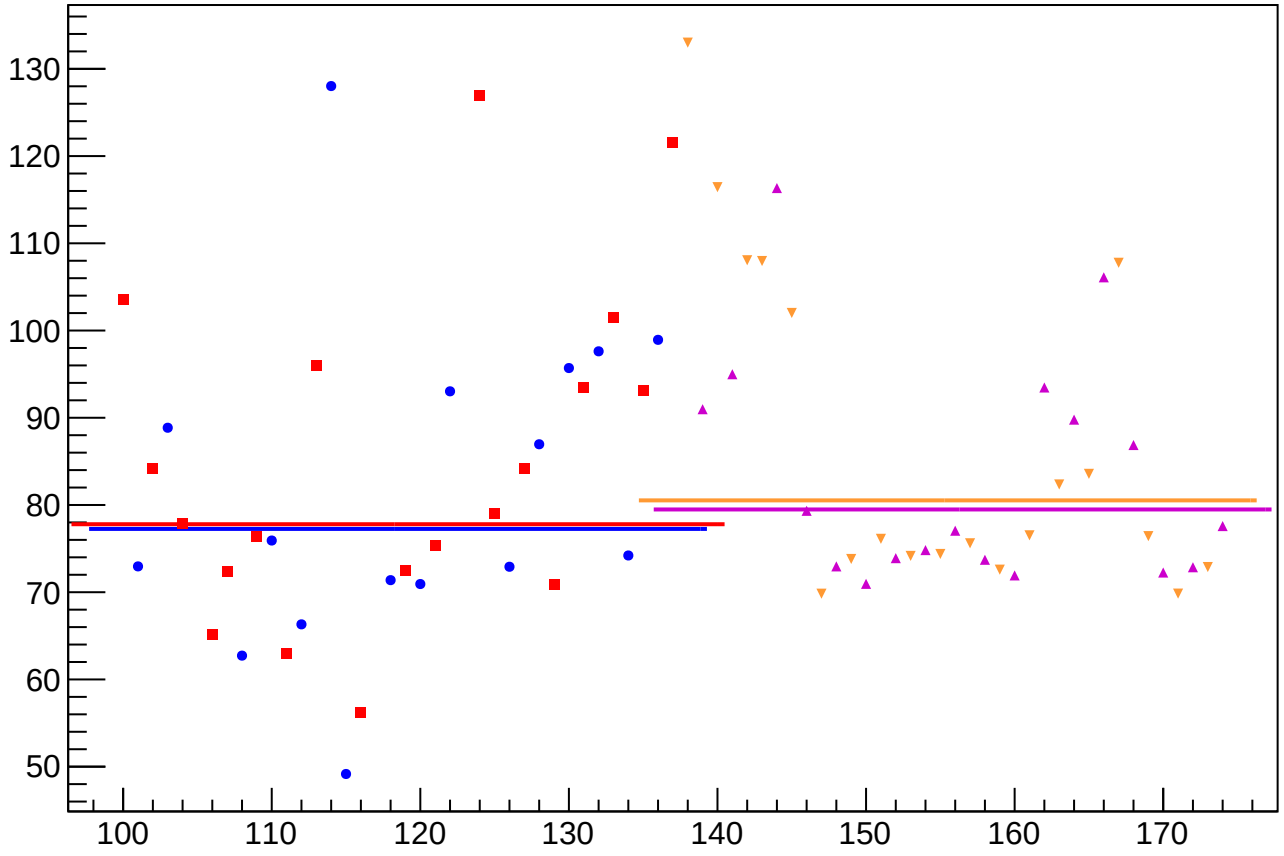
+ sign 0.003+/-0.000 χ^2/NDF: 19894853.1/34

All: 0.003+/-0.000 χ^2/NDF: 30107749.9/71

- sign 0.005+/-0.000 χ^2/NDF: 5911434.5/36


asym_usr_eigen_dit_vs_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: -0.003+/-0.022 χ²/NDF:21.7/18
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+/-0.018 χ²/NDF: 39.0/34
All: 0.003+/-0.012 χ²/NDF: 93.4/71
- sign 0.009+/-0.017 χ²/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: 80.529+/-0.015 χ^2/NDF:868964.9/18

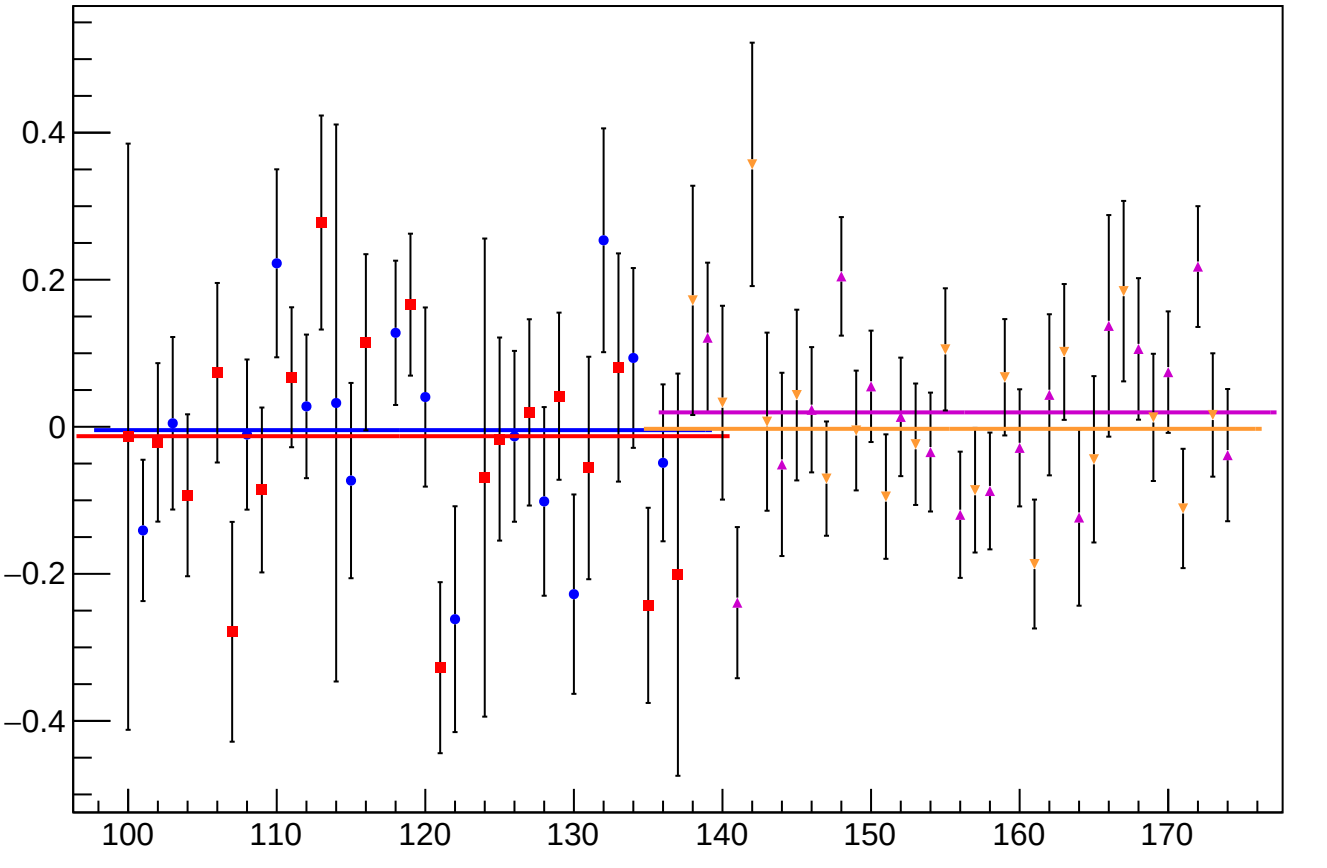
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

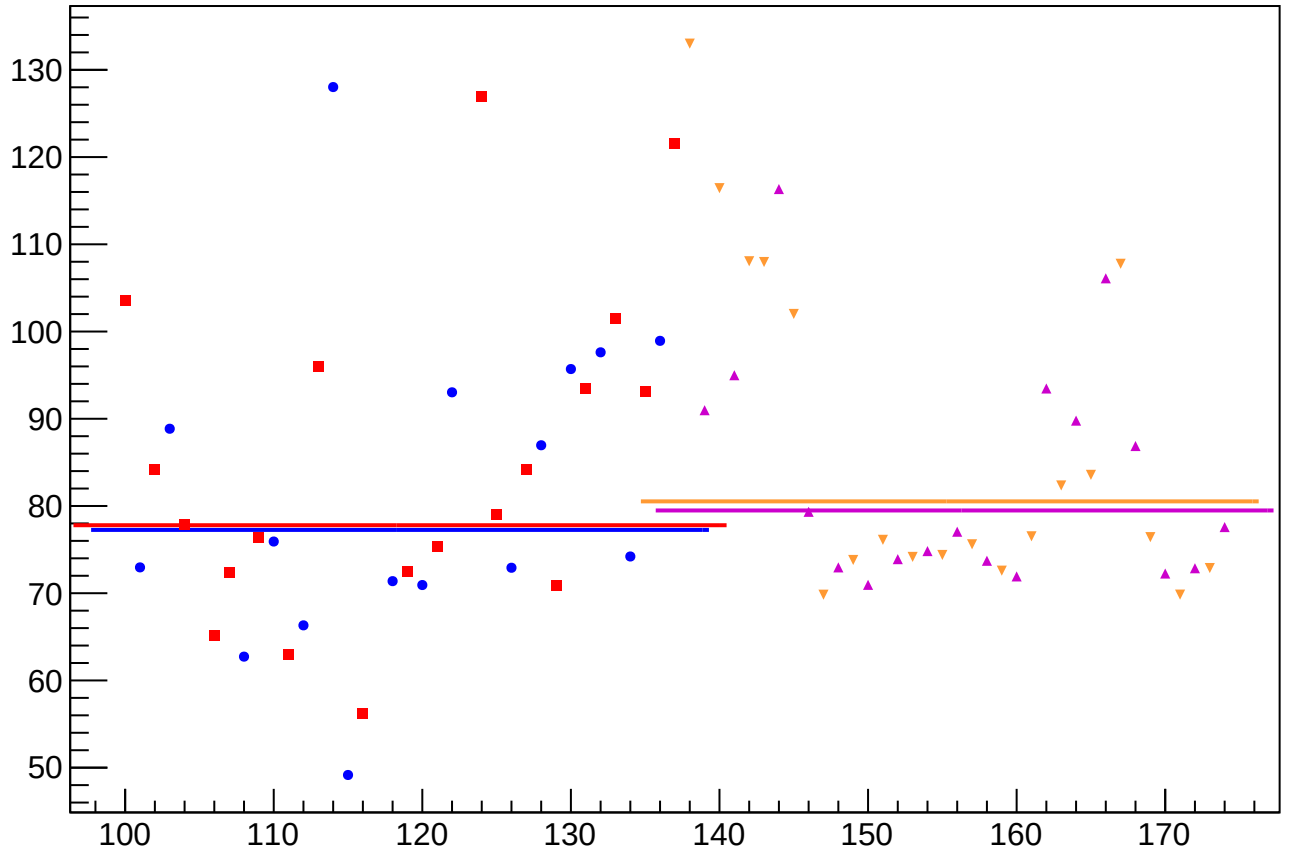
Left In: 79.487+/-0.015 χ^2/NDF:481326.5/17

+ sign 79.414+/-0.012 χ^2/NDF: 1303874.2/34

All: 79.160+/-0.009 χ^2/NDF: 2186786.3/71

- 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: -0.003+/-0.022 χ²/NDF:21.7/18
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+/-0.018 χ²/NDF: 39.0/34
All: 0.003+/-0.012 χ²/NDF: 93.4/71
- sign 0.009+/-0.017 χ²/NDF: 54.2/36



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 80.529+/-0.015 χ^2/NDF:868964.9/18

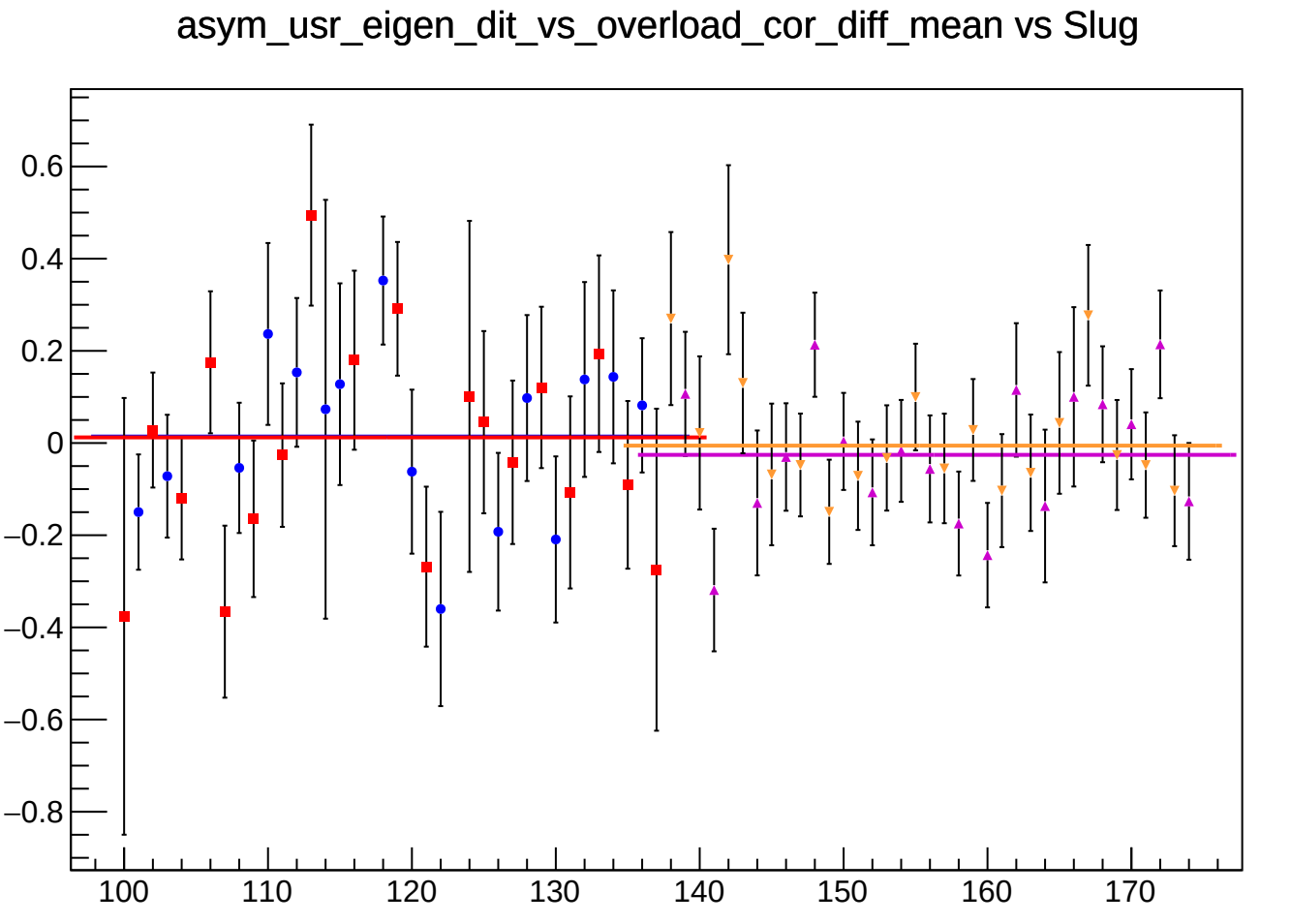
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.487+/-0.015 χ^2/NDF:481326.5/17

\+ sign 79.414+/-0.012 χ^2/NDF: 1303874.2/34

All: 79.160+/-0.009 χ^2/NDF: 2186786.3/71

\- sign 78.912+/-0.012 χ^2/NDF: 882082.5/36



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.006+/-0.030 χ^2/NDF:15.4/18

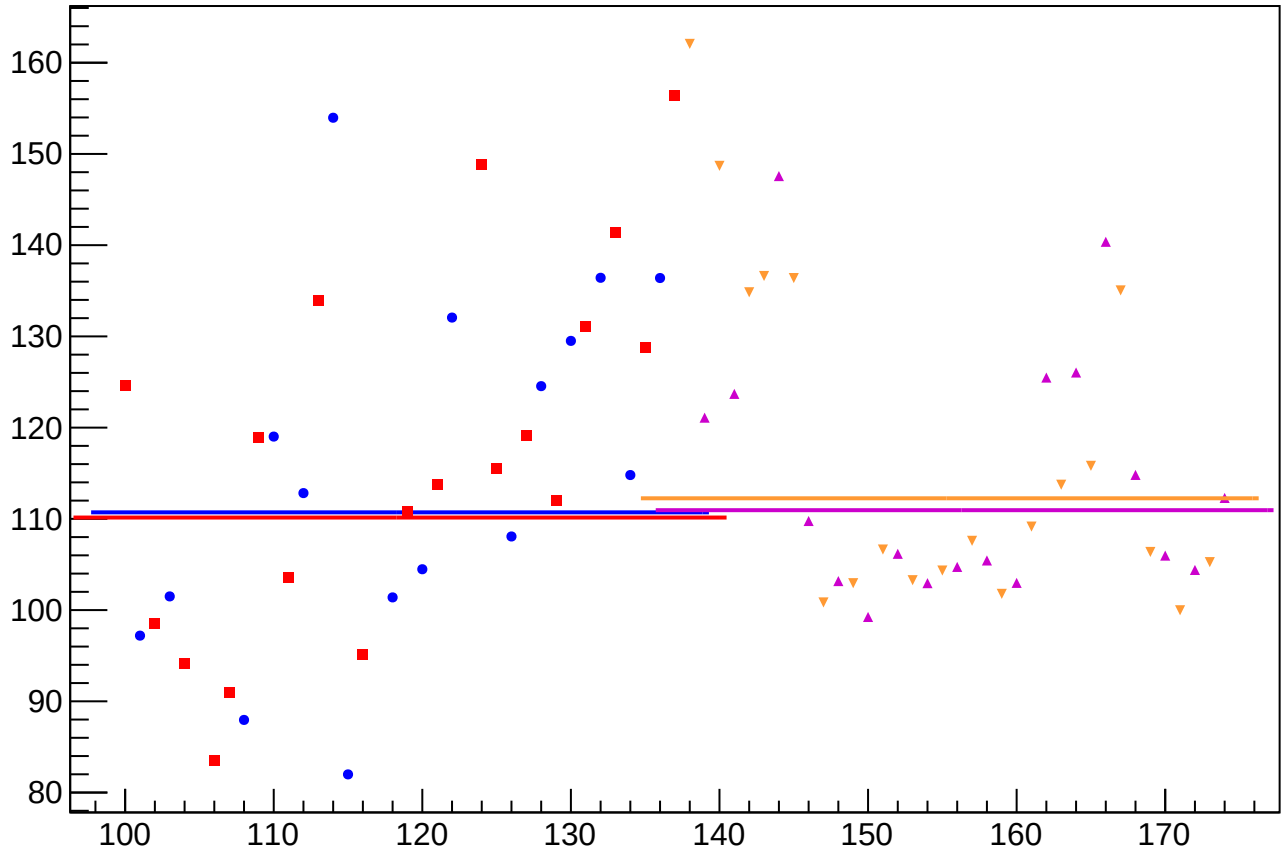
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.026+/-0.029 χ^2/NDF:24.6/17

+ sign 0.001+/-0.024 χ^2/NDF: 33.8/34

All: -0.006+/-0.017 χ^2/NDF: 82.8/71

- sign -0.013+/-0.024 χ^2/NDF: 48.9/36



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

Left Out: 112.254+/-0.021 χ^2/NDF:525399.2/18

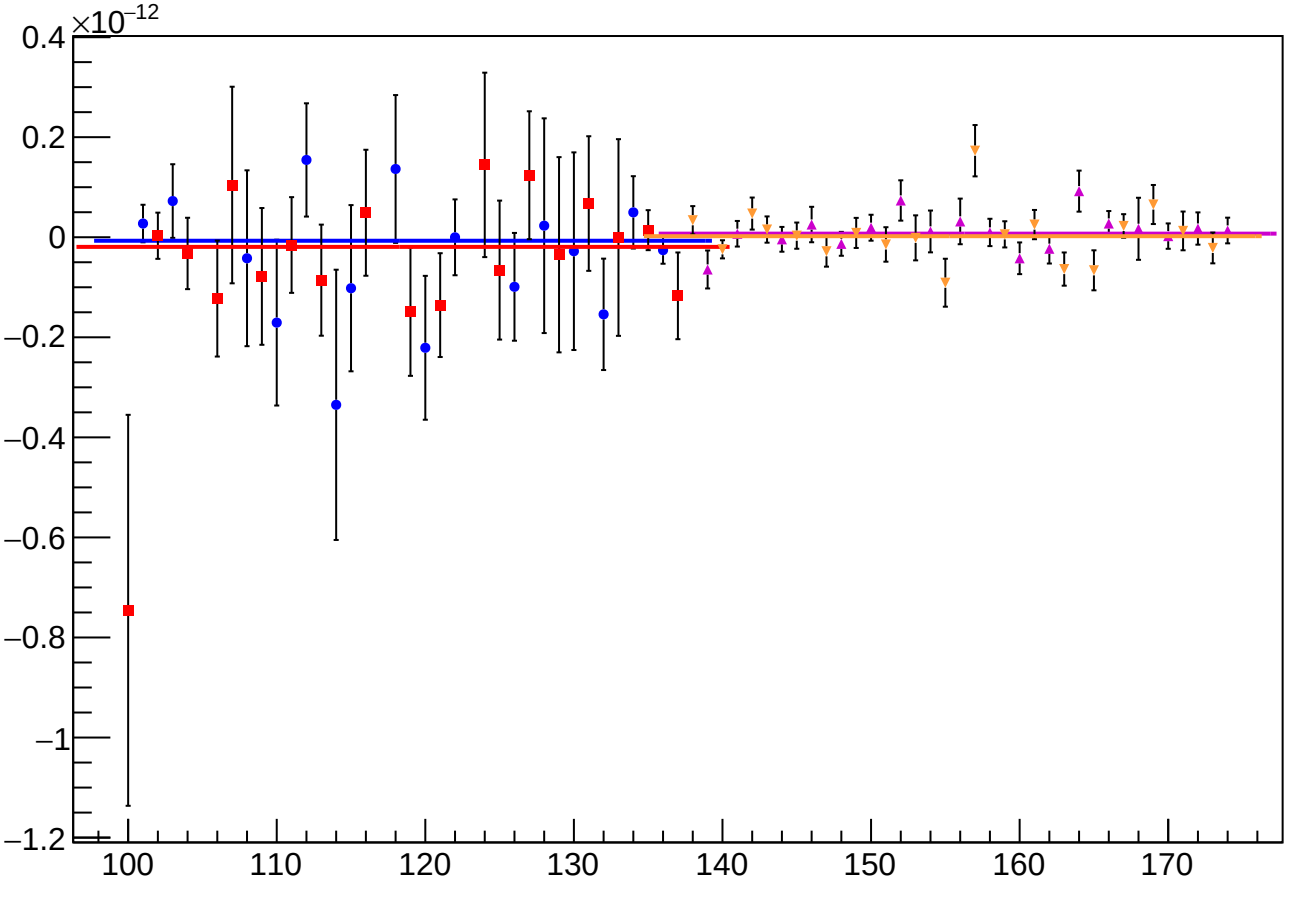
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 110.951+/-0.021 χ^2/NDF:301266.1/17

+ sign 111.746+/-0.017 χ^2/NDF: 827127.7/34

All: 111.206+/-0.012 χ^2/NDF: 1457554.9/71

- sign 110.680+/-0.017 χ^2/NDF: 628470.0/36



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

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/18

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

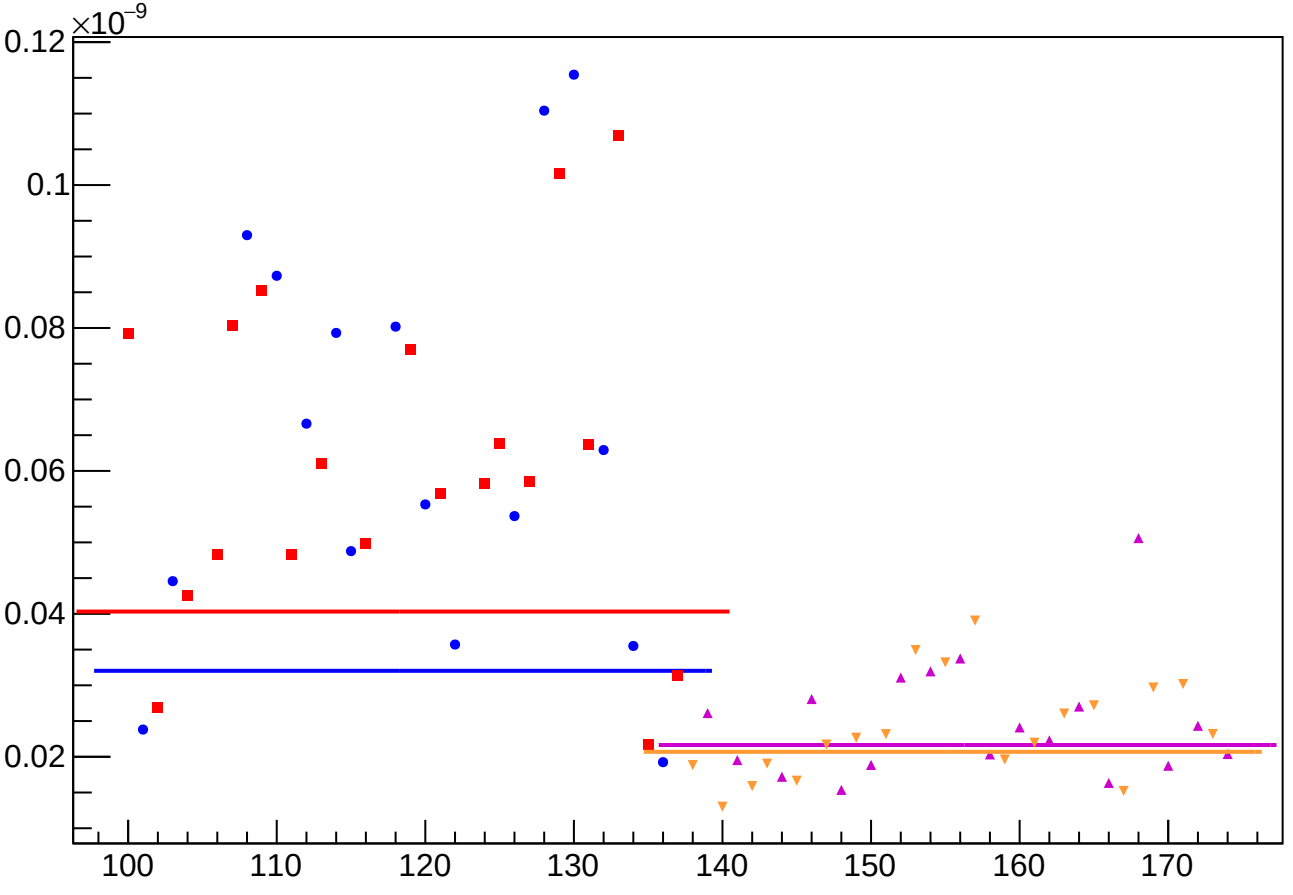
Left In: 0.000+/-0.000 χ^2/NDF:16.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/34

All: 0.000+/-0.000 χ^2/NDF: 77.8/71

- 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:1541570.6/18

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

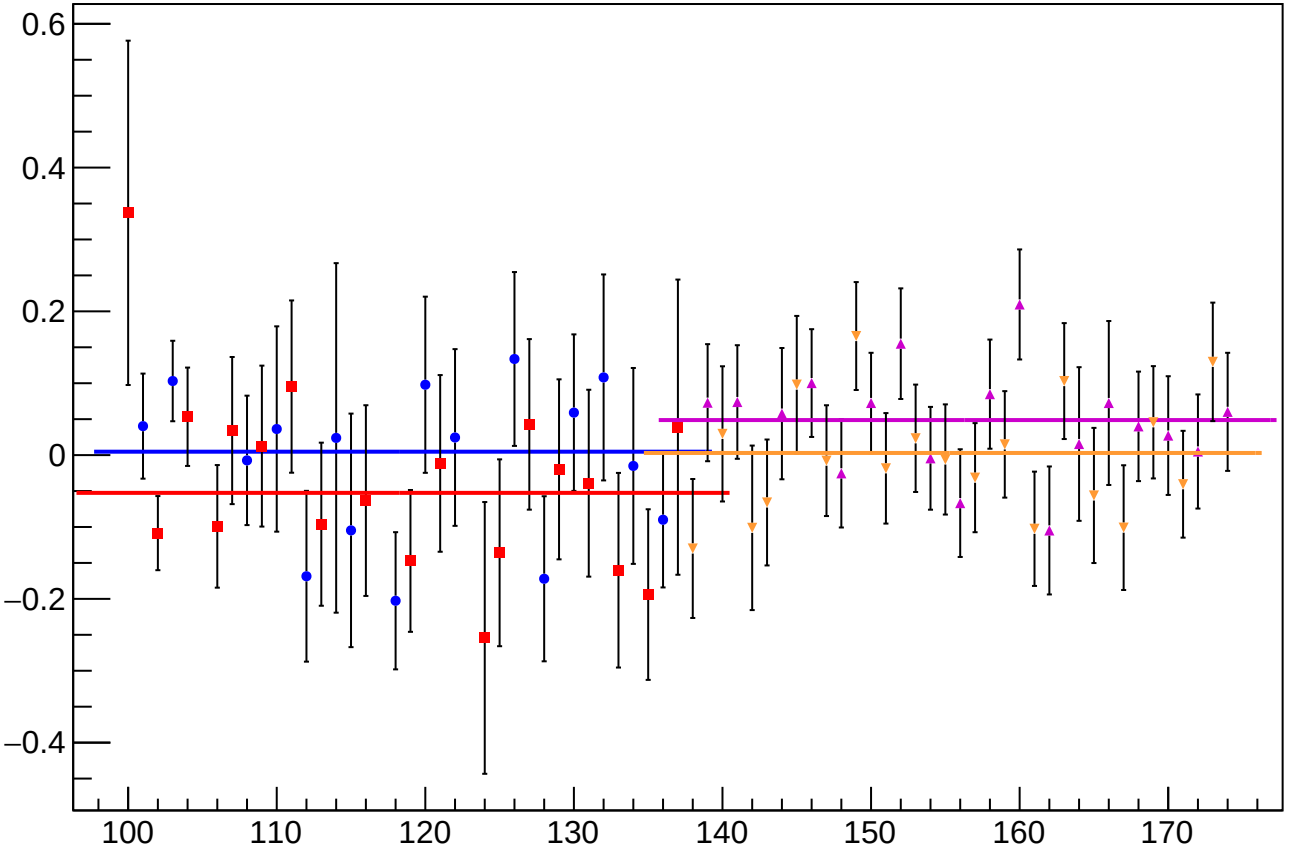
Left In: 0.000+/-0.000 χ^2/NDF:1328507.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 4697268.5/34

All: 0.000+/-0.000 χ^2/NDF: 9339759.5/71

- sign 0.000+/-0.000 χ^2/NDF: 4597702.8/36

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: 0.003+/-0.019 χ^2/NDF:17.7/18

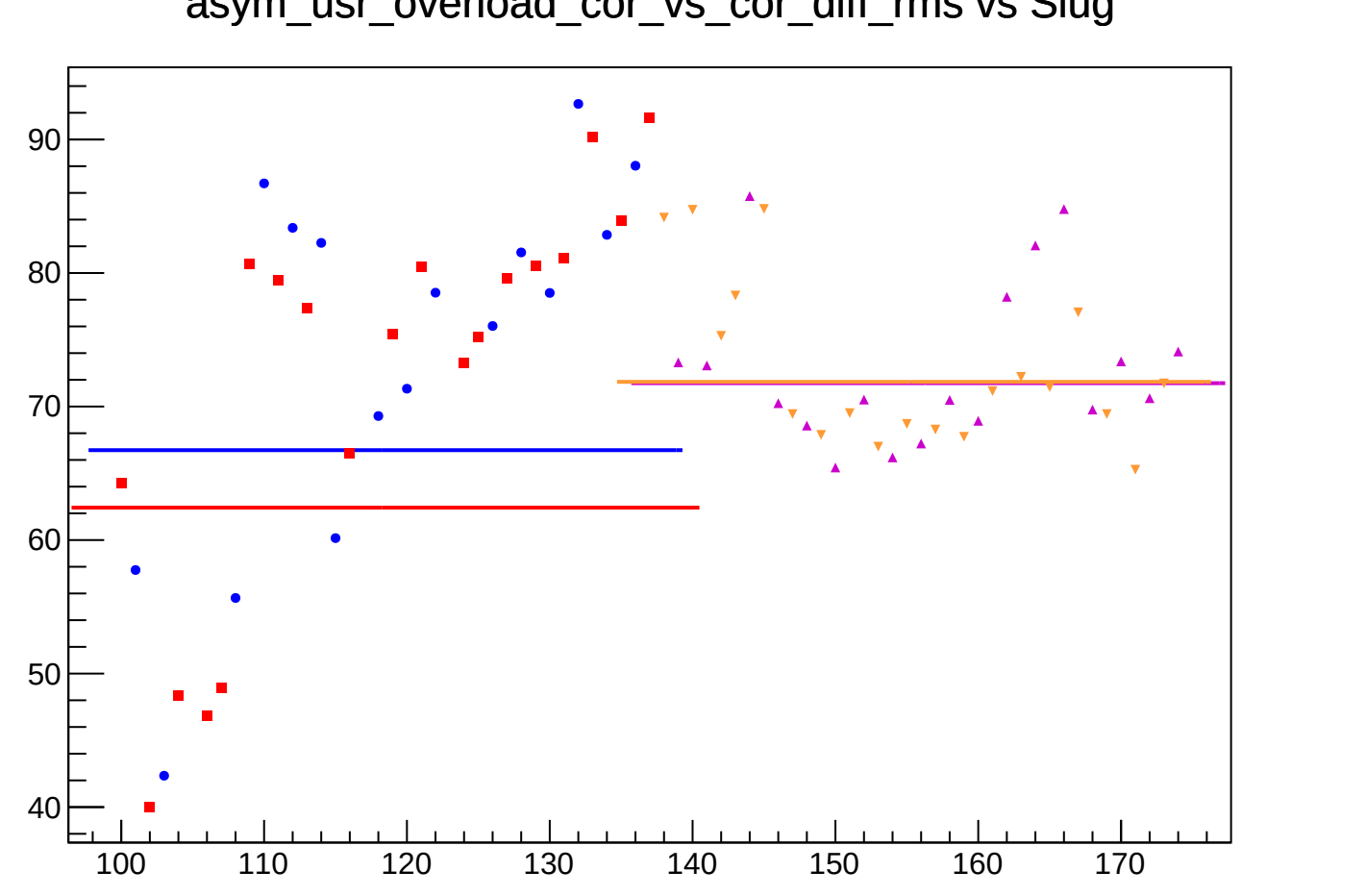
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.049+/-0.019 χ^2/NDF:14.8/17

+ sign 0.004+/-0.015 χ^2/NDF: 34.3/34

All: 0.007+/-0.011 χ^2/NDF: 74.9/71

- sign 0.010+/-0.015 χ^2/NDF: 40.5/36



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 71.849+/-0.013 χ^2/NDF:176223.9/18

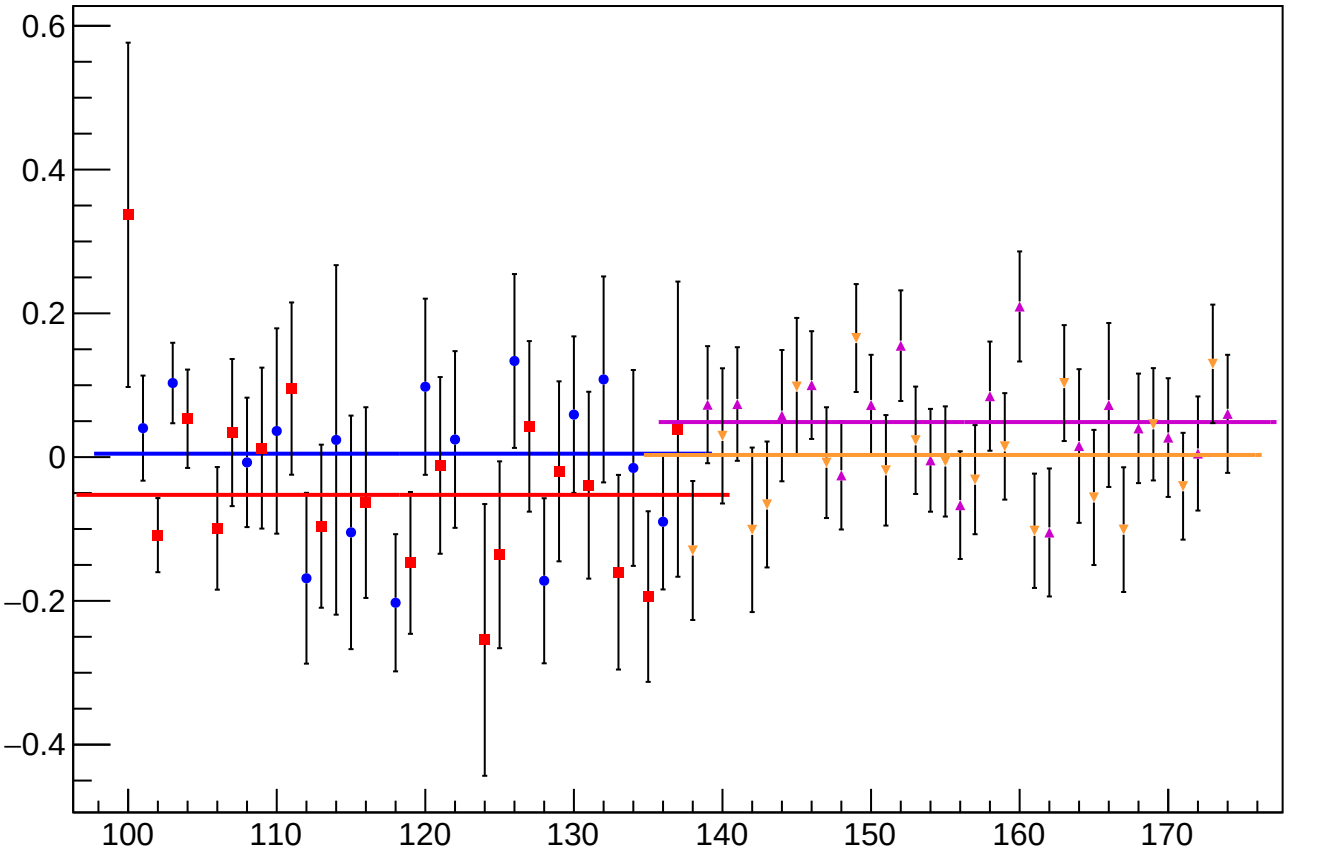
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.749+/-0.013 χ^2/NDF:151738.9/17

+ sign 70.074+/-0.011 χ^2/NDF: 1043965.7/34

All: 69.110+/-0.008 χ^2/NDF: 2510532.0/71

- sign 68.193+/-0.011 χ^2/NDF: 1450975.7/36



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

Left Out: 0.003+/-0.019 χ^2/NDF:17.7/18

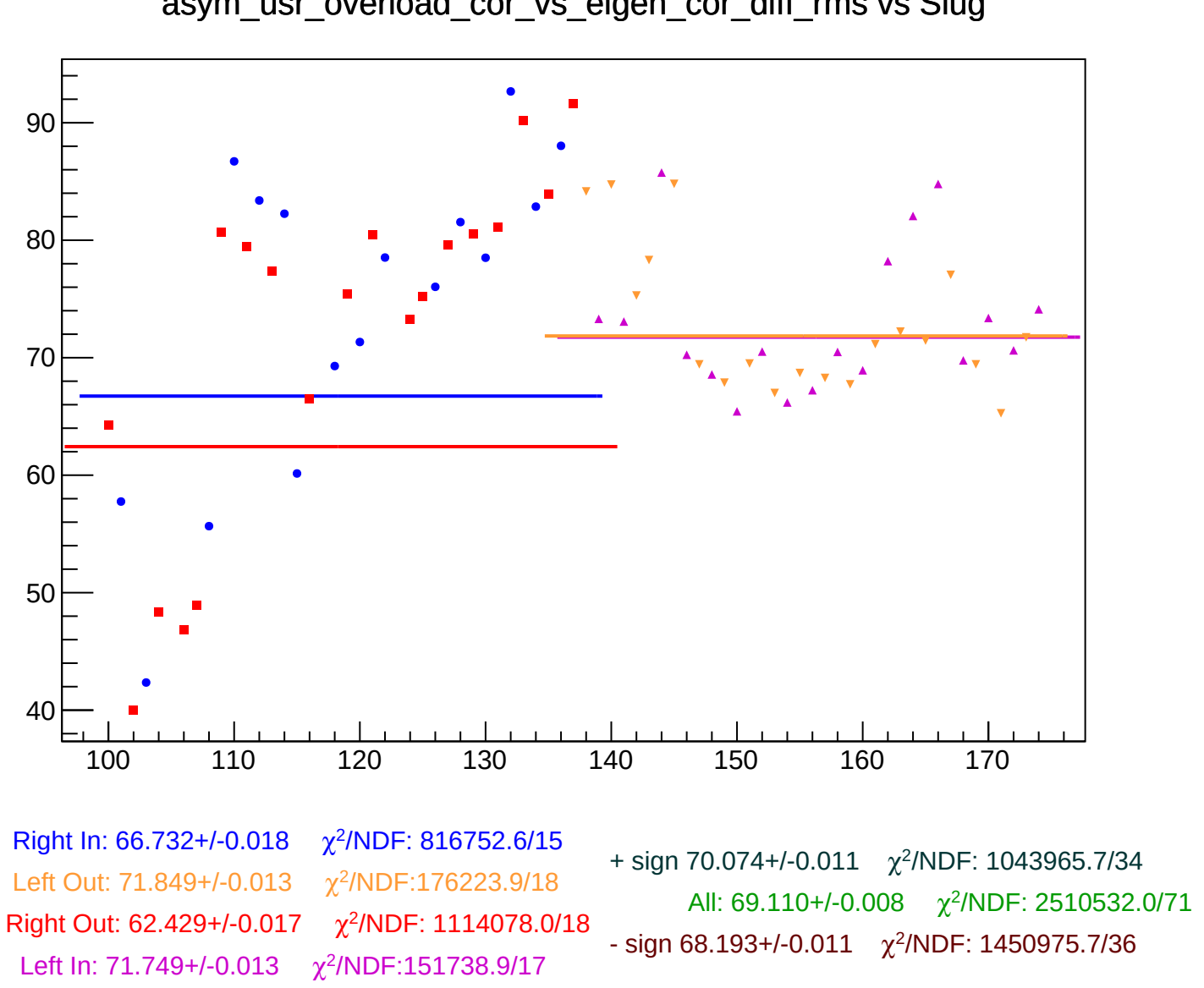
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.049+/-0.019 χ^2/NDF:14.8/17

+ sign 0.004+/-0.015 χ^2/NDF: 34.3/34

All: 0.007+/-0.011 χ^2/NDF: 74.9/71

- sign 0.010+/-0.015 χ^2/NDF: 40.5/36


asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug
90
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120
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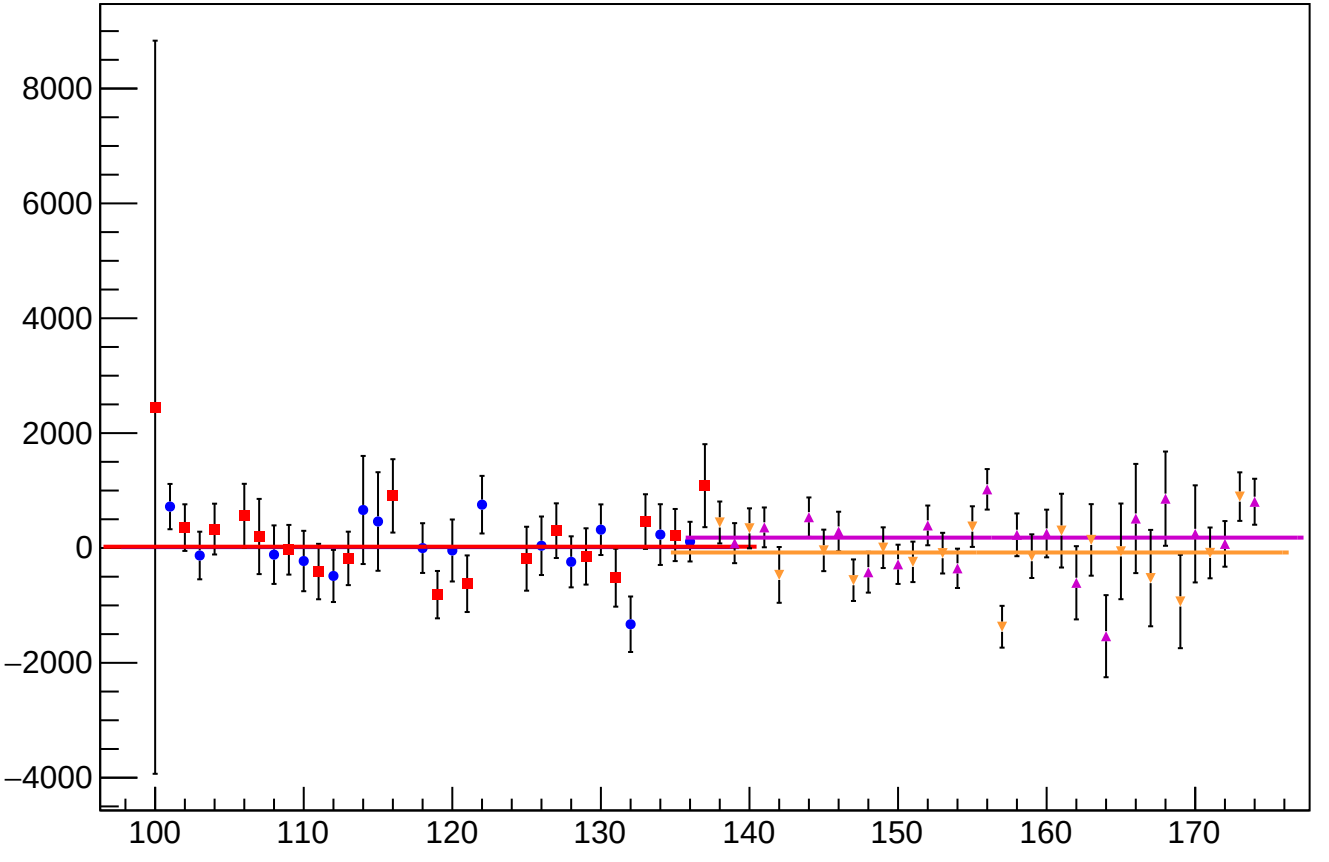
140
150
160
170
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 71.849+/-0.013 χ²/NDF:176223.9/18
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 71.749+/-0.013 χ²/NDF:151738.9/17
+ sign 70.074+/-0.011 χ²/NDF: 1043965.7/34
All: 69.110+/-0.008 χ²/NDF: 2510532.0/71
- sign 68.193+/-0.011 χ²/NDF: 1450975.7/36

asym_dsl_mean vs Slug



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

Left Out: -78.543+/-99.090 χ^2/NDF:27.7/17

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

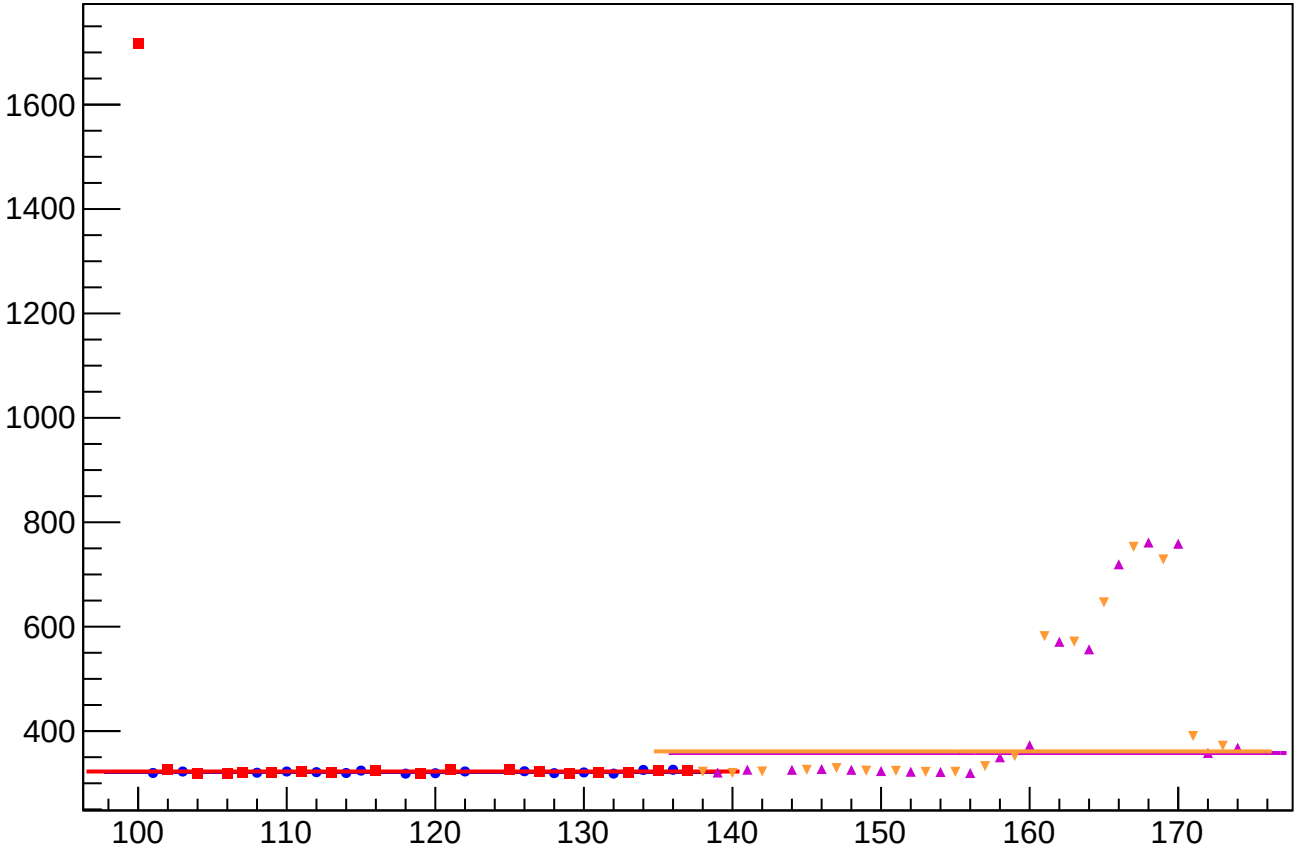
Left In: 180.122+/-95.856 χ^2/NDF:25.4/17

\+ sign -40.193+/-76.260 χ^2/NDF: 44.6/33

All: 40.582+/-53.364 χ^2/NDF: 89.2/69

\- 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: 361.111+/-0.070 χ^2/NDF:1758908.5/17

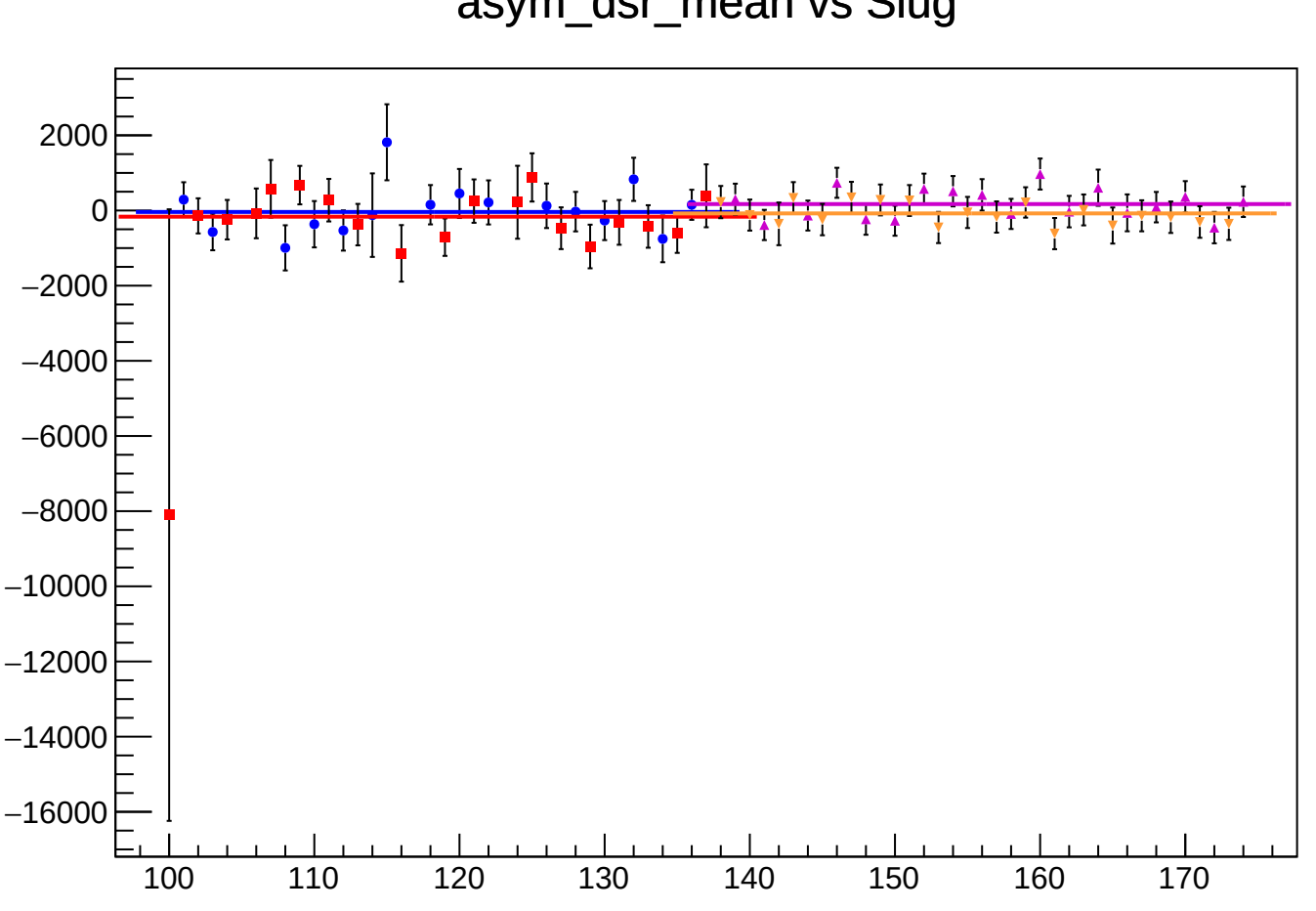
Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 357.990+/-0.068 χ^2/NDF:1781846.4/17

+ sign 345.003+/-0.054 χ^2/NDF: 1889353.5/33

All: 344.529+/-0.038 χ^2/NDF: 3875575.2/69

- 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: -77.659+/-97.293 χ^2/NDF:8.7/18

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

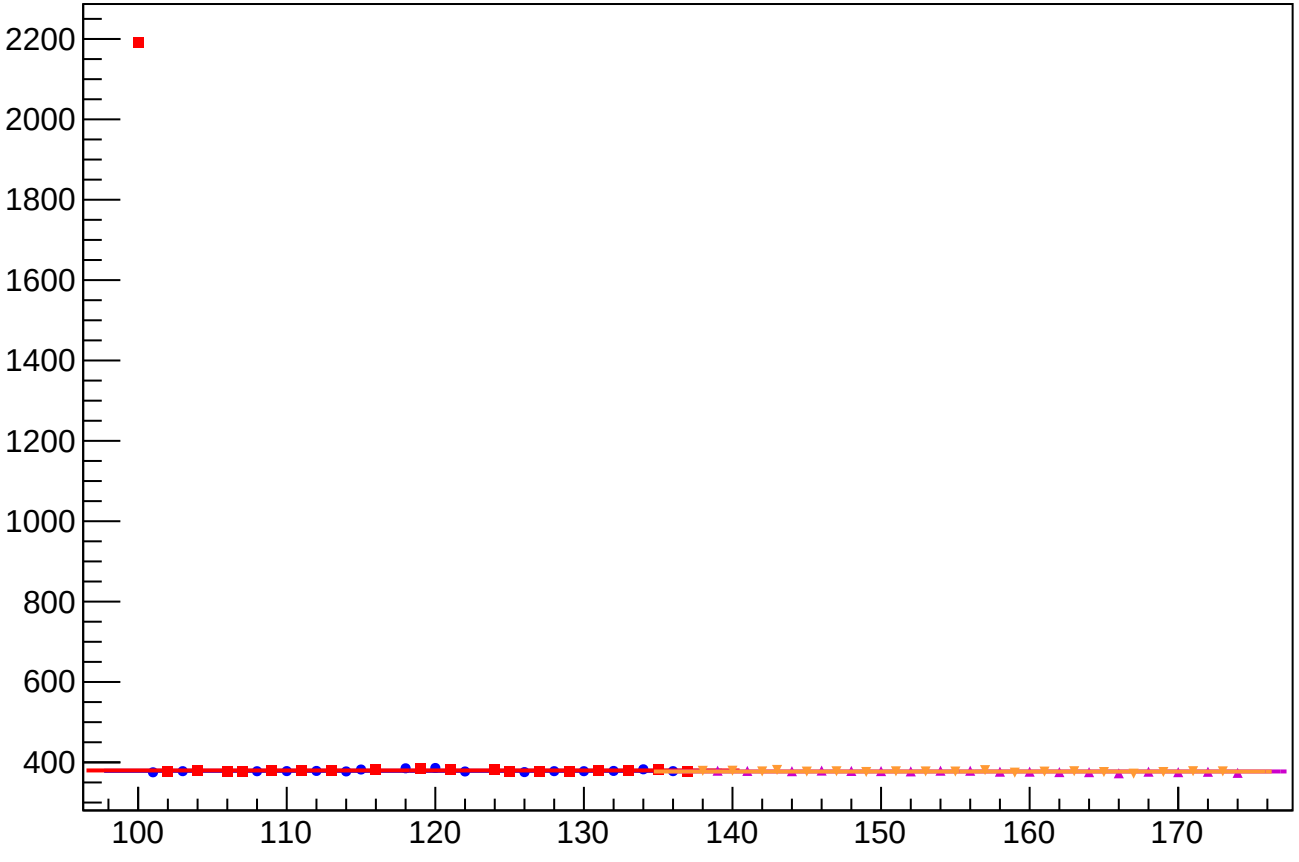
Left In: 170.857+/-97.815 χ^2/NDF:16.8/17

\+ sign -65.128+/-80.028 χ^2/NDF: 22.5/34

All: -2.680+/-56.573 χ^2/NDF: 59.5/71

\- 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: 377.230+/-0.069 χ^2/NDF:882.7/18

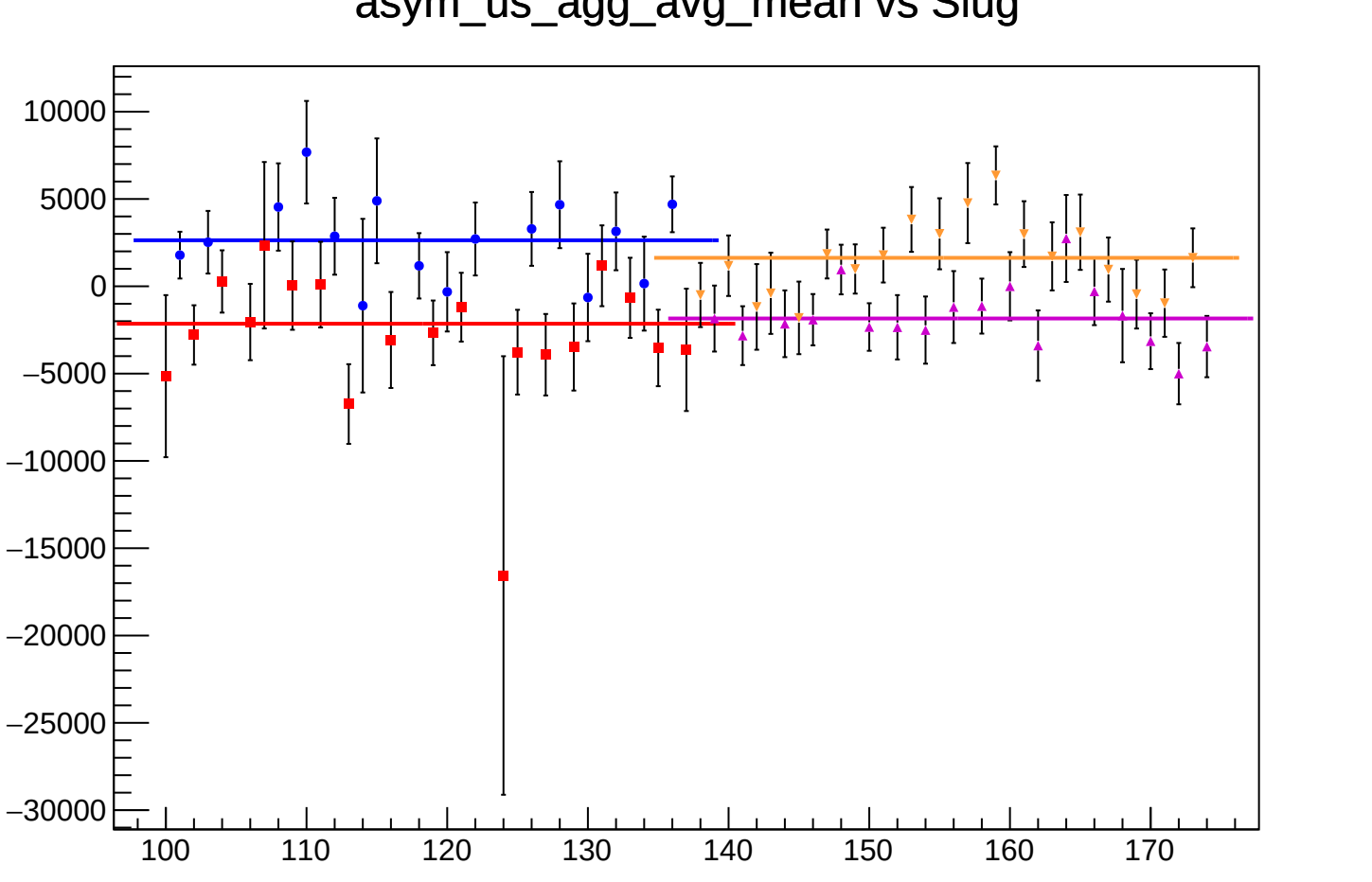
Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 377.327+/-0.069 χ^2/NDF:663.6/17

\+ sign 377.774+/-0.057 χ^2/NDF: 1926.7/34

All: 377.973+/-0.040 χ^2/NDF: 102687.2/71

\- 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: 1629.128+/-420.700 χ^2/NDF:22.3/18

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

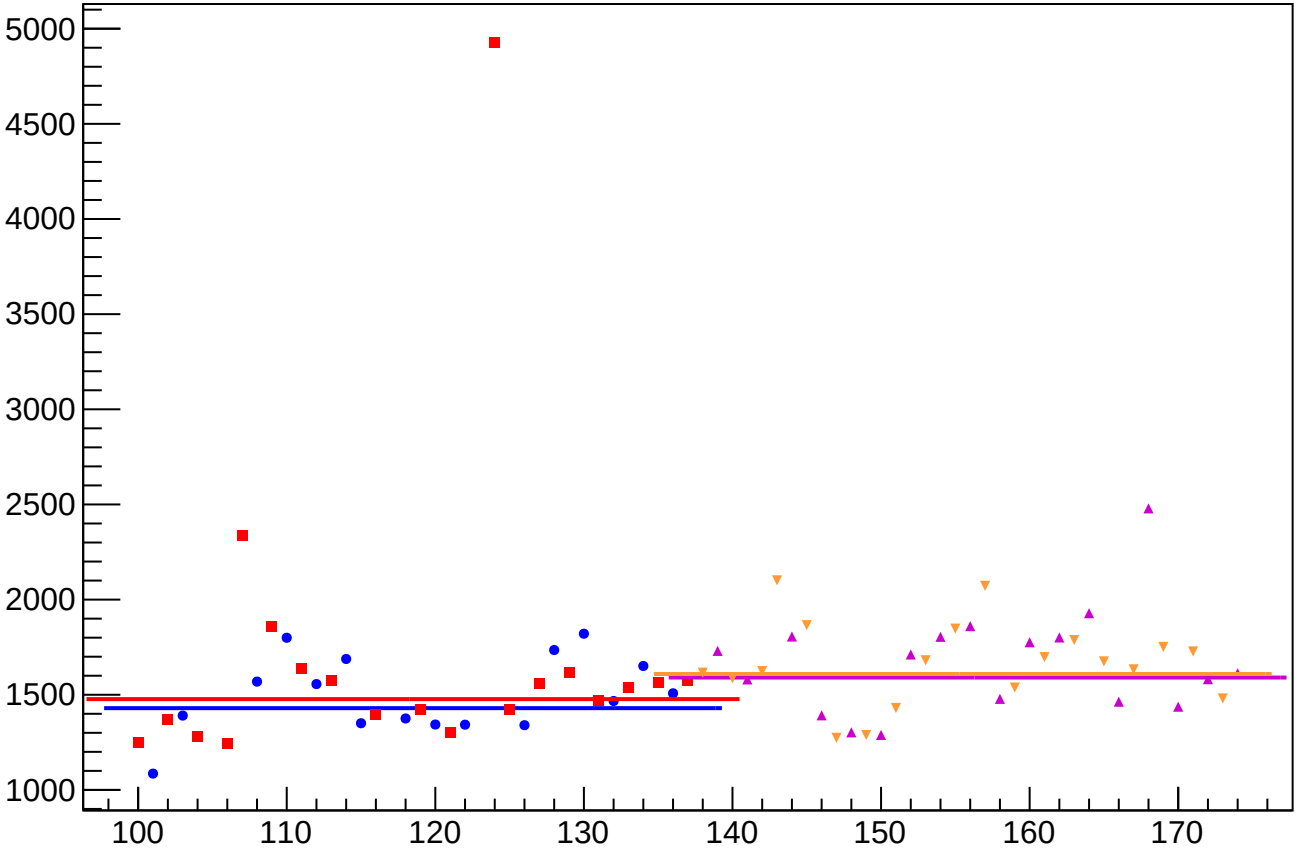
Left In: -1844.209+/-417.885 χ^2/NDF:15.1/17

+ sign 2010.928+/-331.414 χ^2/NDF: 36.7/34

All: 31.882+/-234.574 χ^2/NDF: 138.6/71

- 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: 1609.124+/-0.297 χ^2/NDF:533340.4/18

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

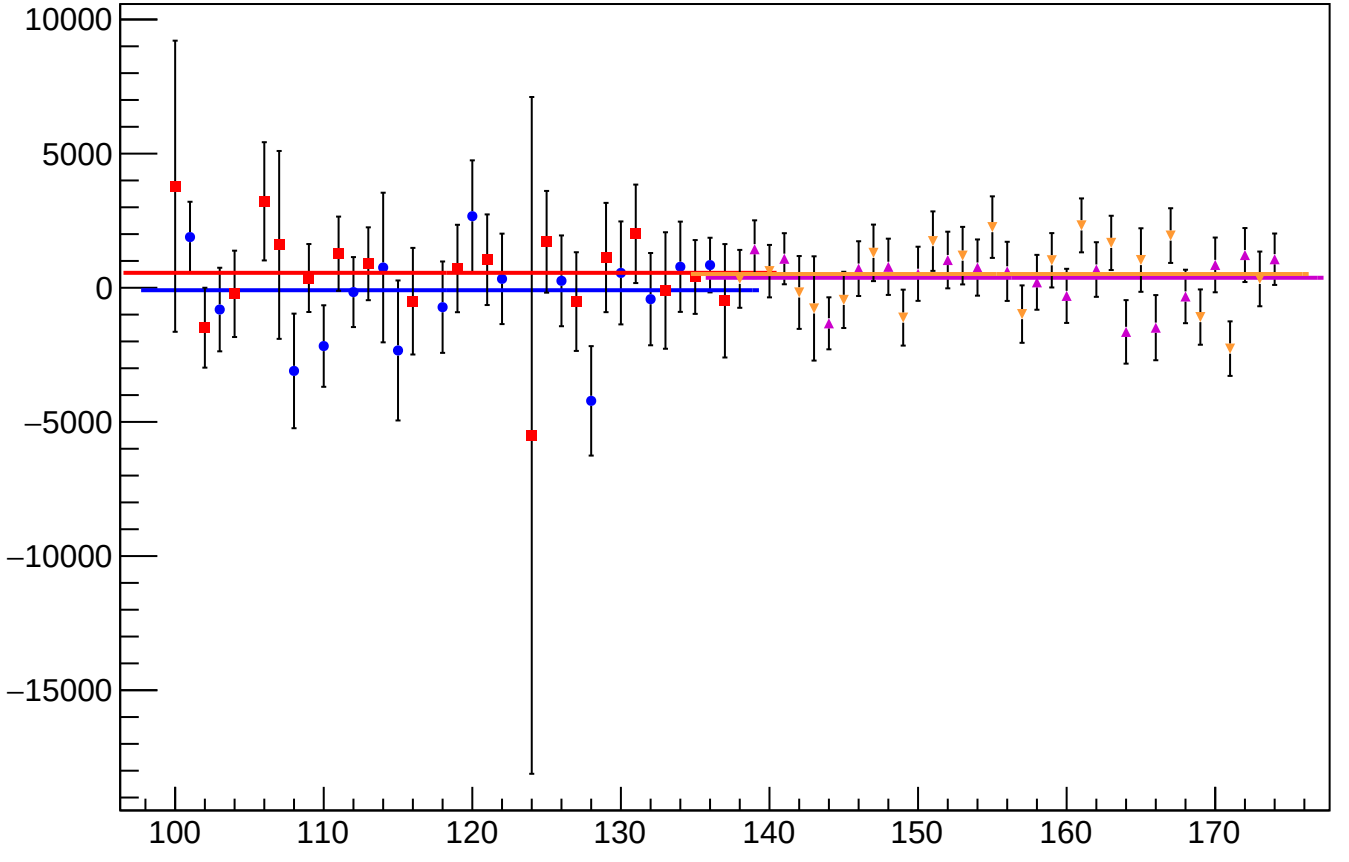
Left In: 1590.423+/-0.295 χ^2/NDF:656615.3/17

+ sign 1541.029+/-0.234 χ^2/NDF: 964828.6/34

All: 1544.840+/-0.166 χ^2/NDF: 2045589.3/71

- 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: 512.539+/-248.084 χ^2/NDF:27.4/18

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

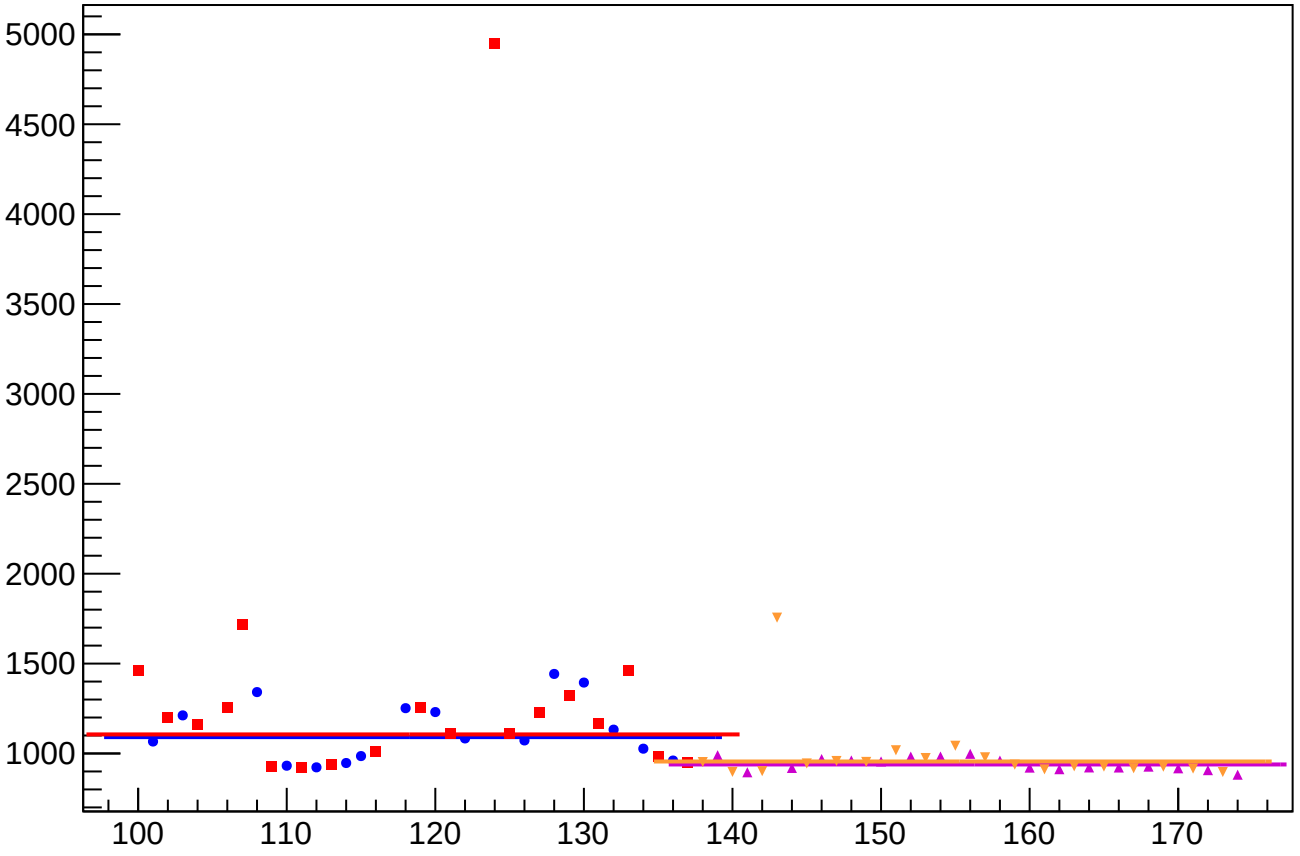
Left In: 372.694+/-243.588 χ^2/NDF:13.2/17

+ sign 350.682+/-212.247 χ^2/NDF: 43.5/34

All: 386.032+/-149.135 χ^2/NDF: 63.7/71

- 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: 955.398+/-0.175 χ^2/NDF:389787.9/18

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

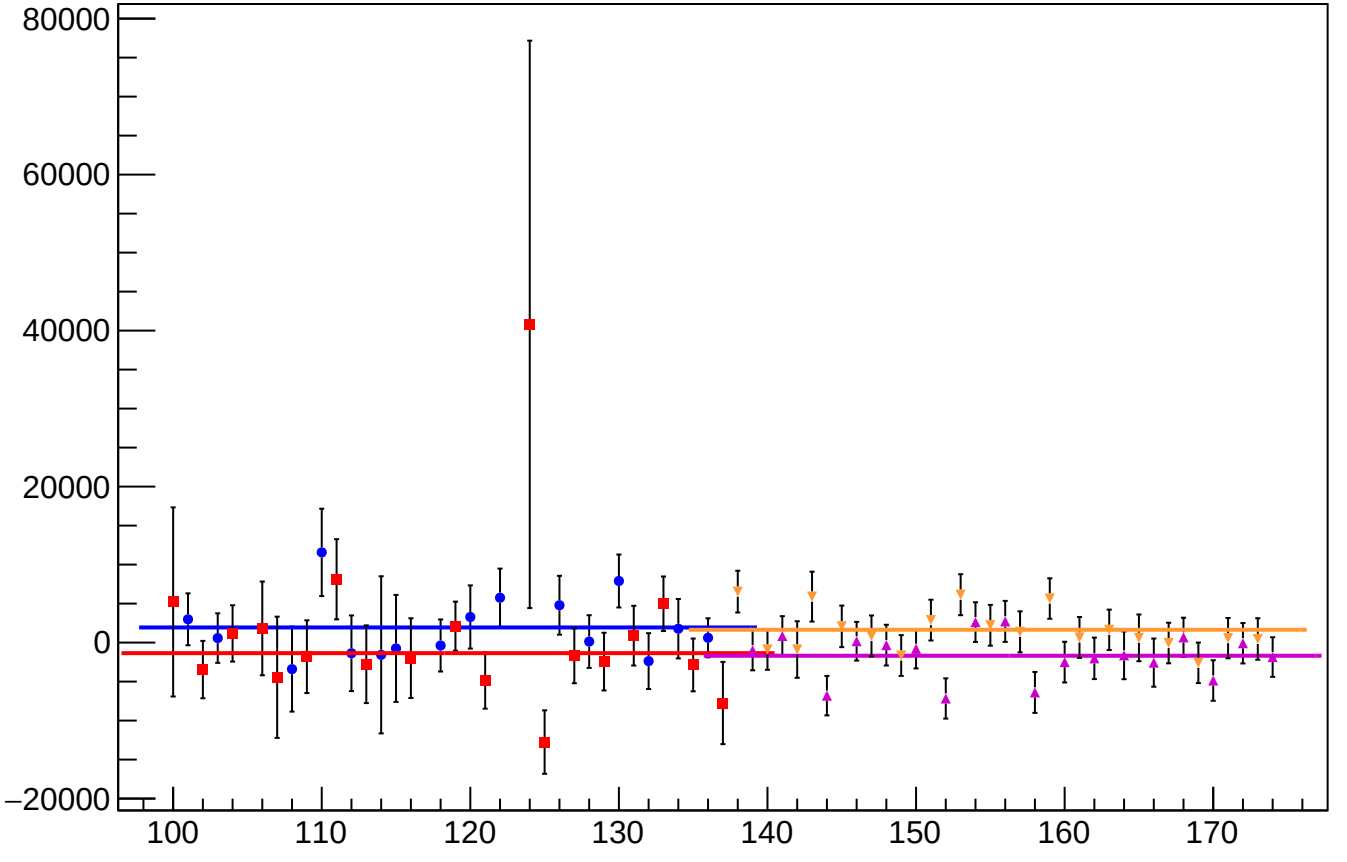
Left In: 938.907+/-0.172 χ^2/NDF:39256.9/17

+ sign 991.756+/-0.150 χ^2/NDF: 827356.9/34

All: 986.969+/-0.105 χ^2/NDF: 1627190.4/71

- 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: 1643.581+/-618.295 χ^2/NDF:17.6/18

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

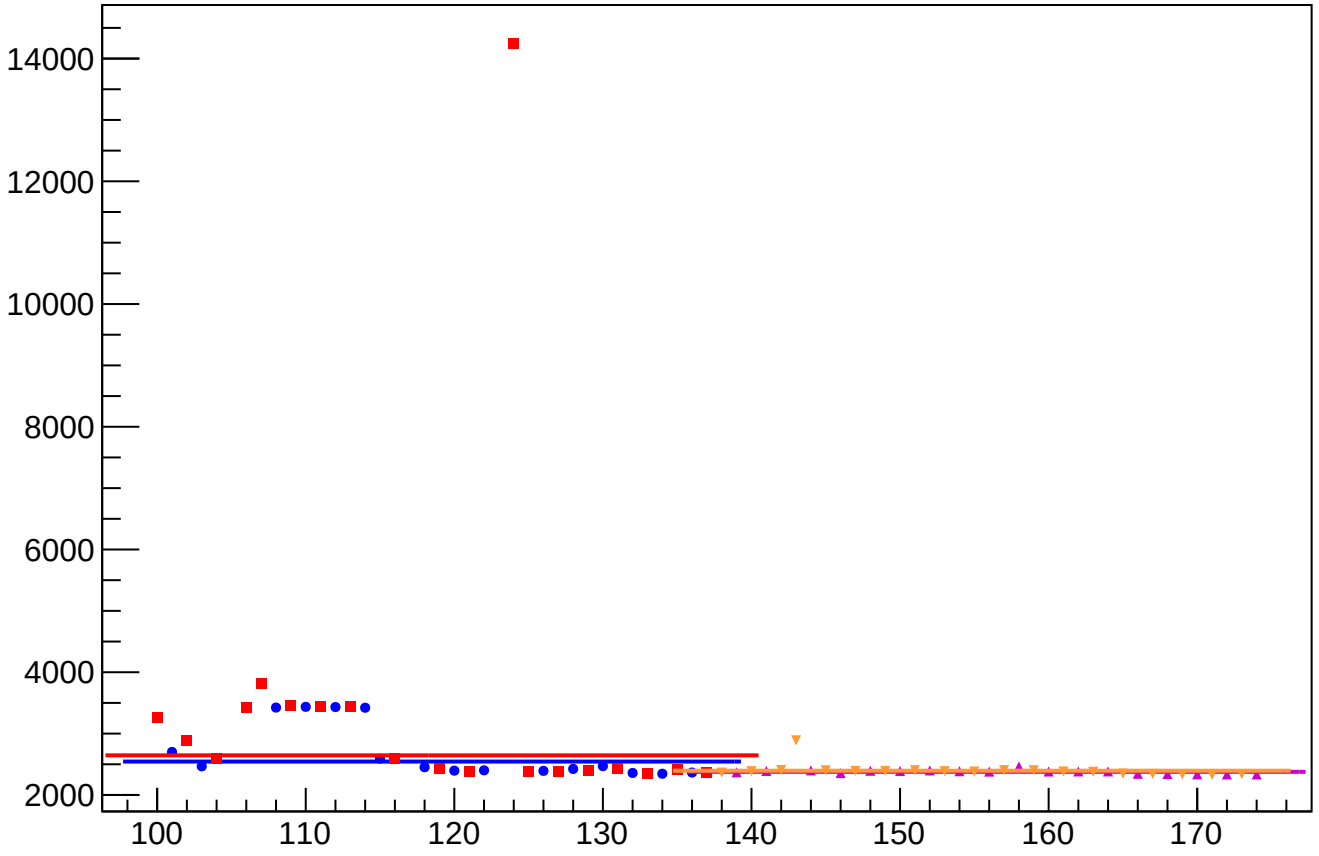
Left In: -1687.276+/-616.225 χ^2/NDF:22.5/17

+ sign 1731.349+/-518.618 χ^2/NDF: 29.9/34

All: 81.164+/-368.060 χ^2/NDF: 94.6/71

- 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: 2395.306+/-0.437 χ^2/NDF:52977.7/18

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

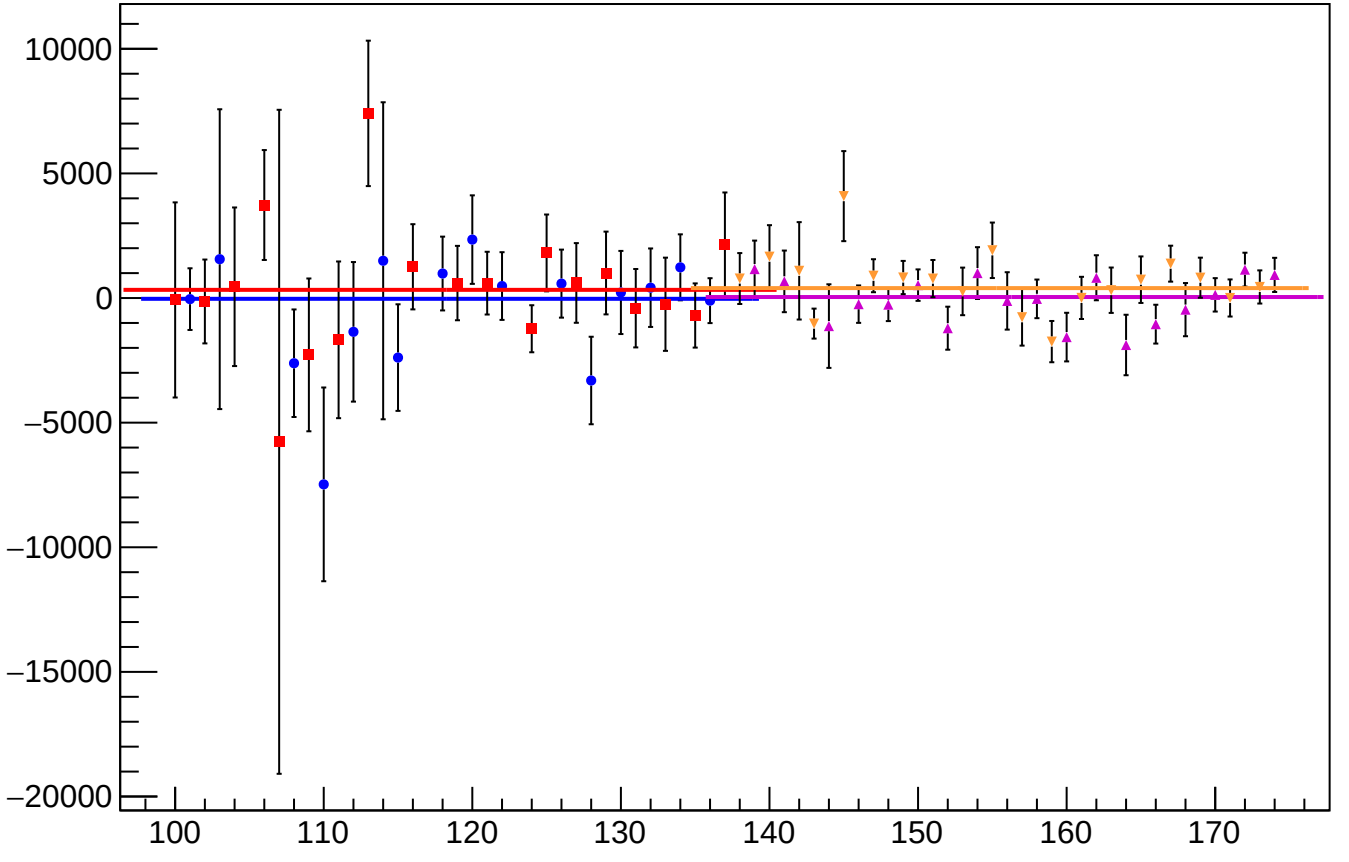
Left In: 2377.081+/-0.436 χ^2/NDF:5151.3/17

+ sign 2439.507+/-0.367 χ^2/NDF: 313073.0/34

All: 2446.013+/-0.260 χ^2/NDF: 962663.5/71

- 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: 398.749+/-193.658 χ^2/NDF:24.7/18

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

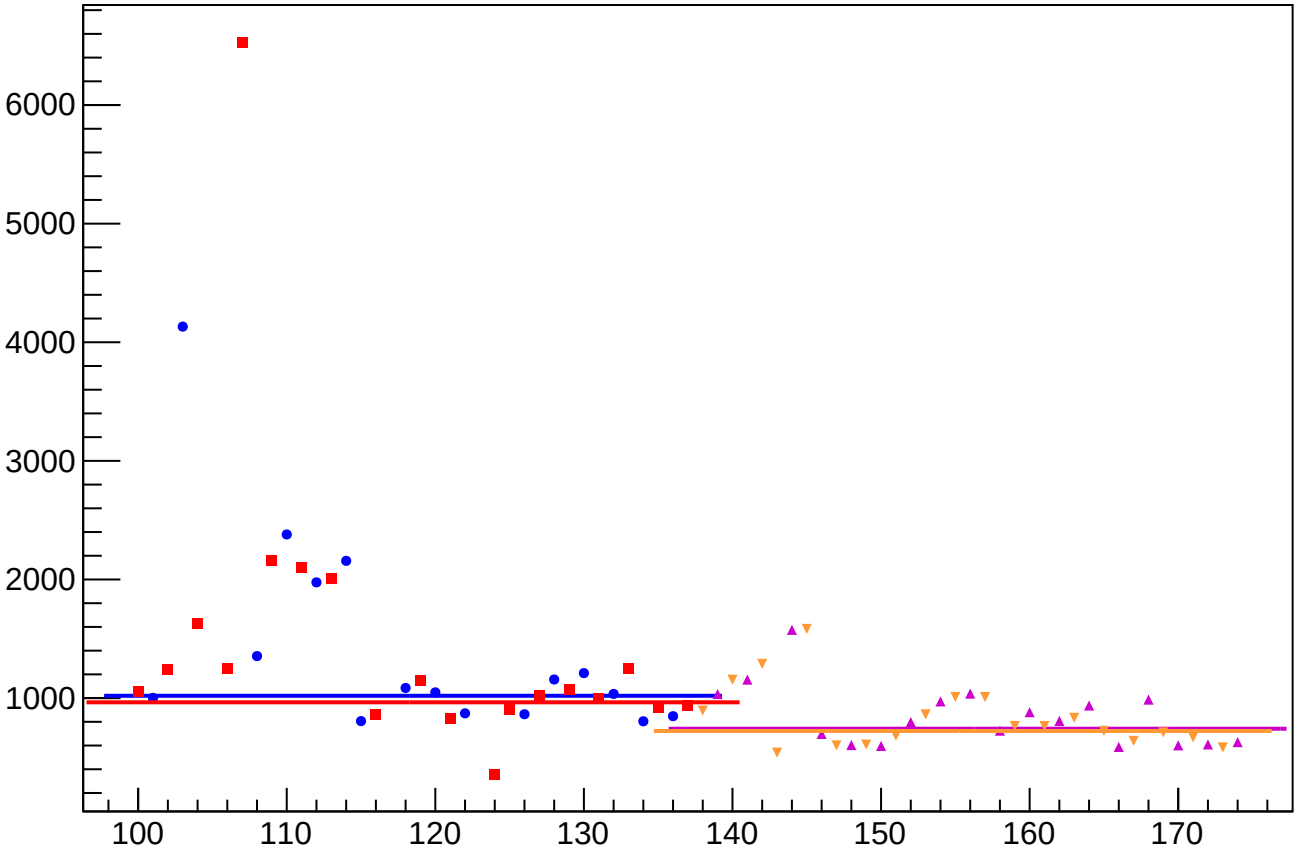
Left In: 40.604+/-199.832 χ^2/NDF:18.1/17

+ sign 318.972+/-174.770 χ^2/NDF: 39.4/34

All: 211.115+/-124.926 χ^2/NDF: 74.3/71

- 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: 722.823+/-0.137 χ^2/NDF:1694929.5/18

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

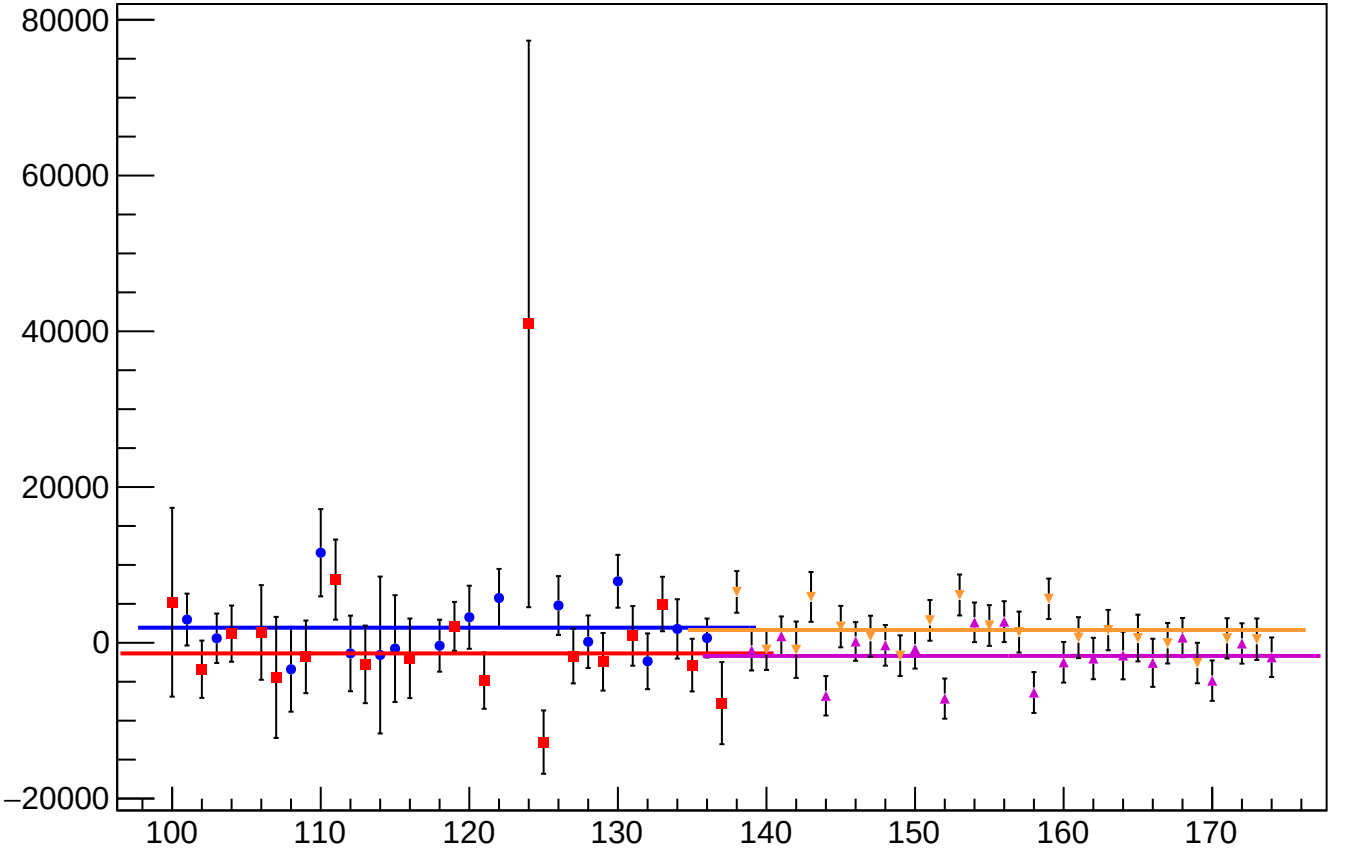
Left In: 741.795+/-0.141 χ^2/NDF:1793510.3/17

+ sign 777.876+/-0.124 χ^2/NDF: 3930764.4/34

All: 782.098+/-0.088 χ^2/NDF: 8534471.8/71

- 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: 1643.552+/-618.295 χ^2/NDF:17.6/18

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

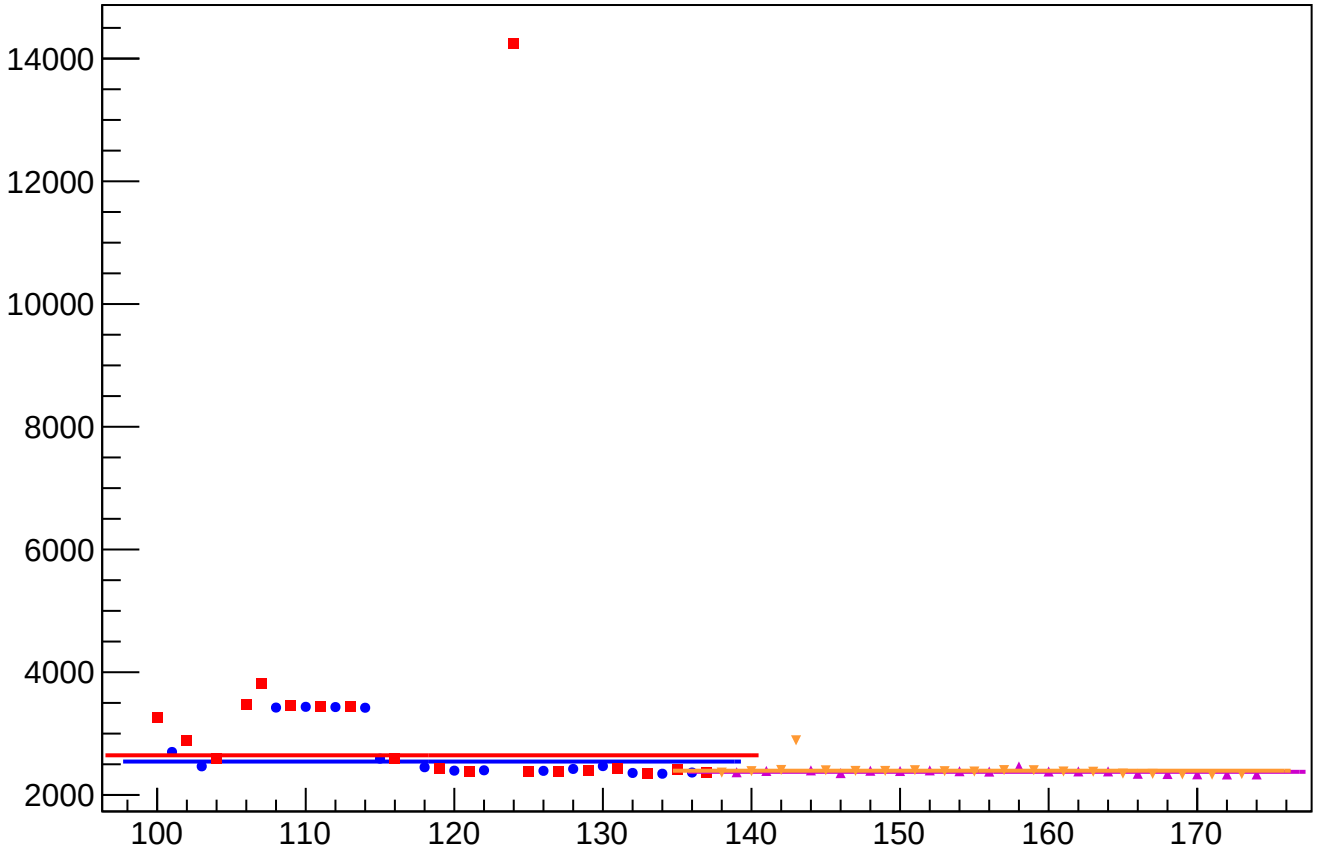
Left In: -1687.354+/-616.225 χ^2/NDF:22.5/17

+ sign 1731.432+/-518.618 χ^2/NDF: 29.9/34

All: 79.952+/-368.075 χ^2/NDF: 94.6/71

- 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: 2395.306+/-0.437 χ^2/NDF:52977.7/18

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

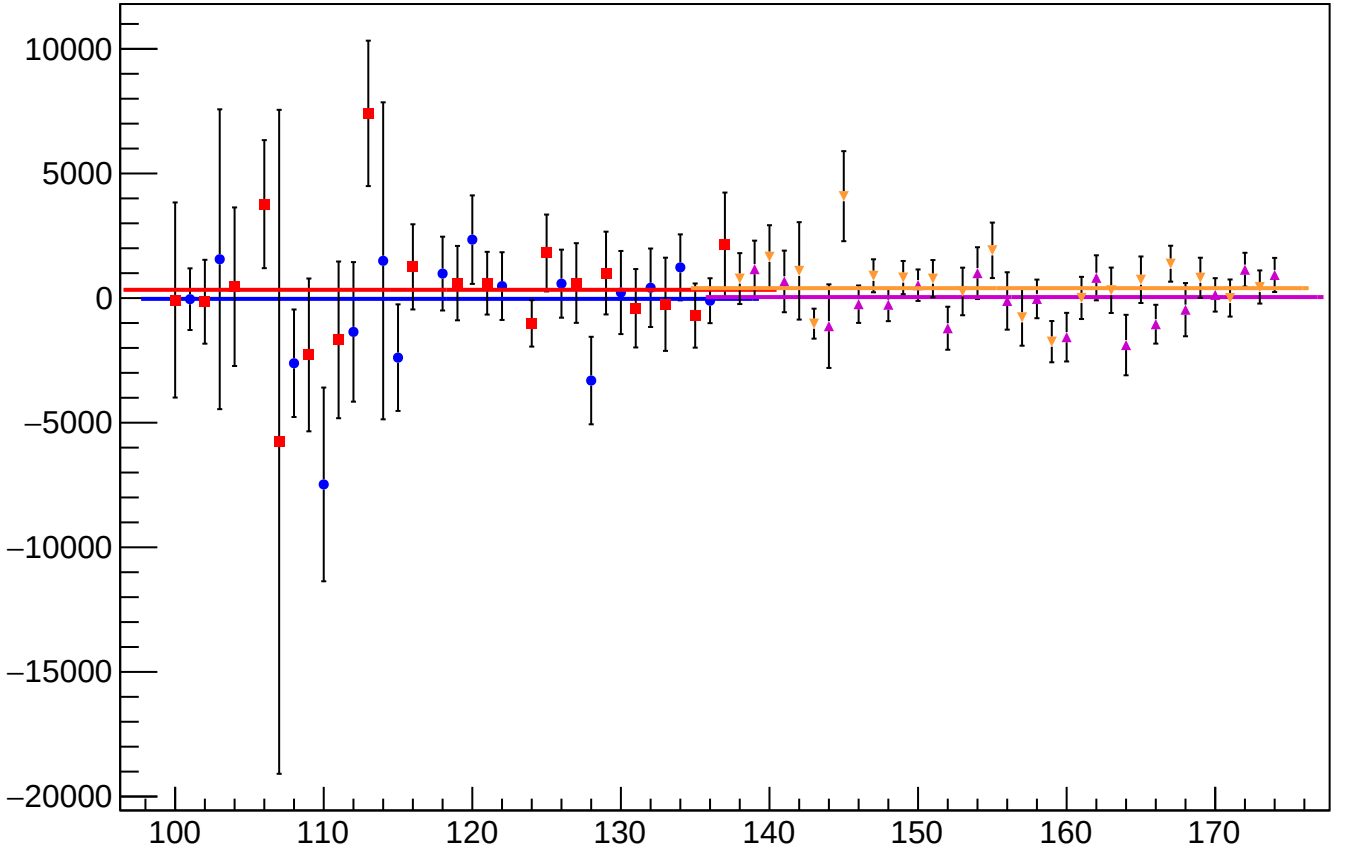
Left In: 2377.081+/-0.436 χ^2/NDF:5151.3/17

+ sign 2439.508+/-0.367 χ^2/NDF: 313073.0/34

All: 2446.073+/-0.260 χ^2/NDF: 965653.0/71

- 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: 398.745+/-193.658 χ^2/NDF:24.7/18

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

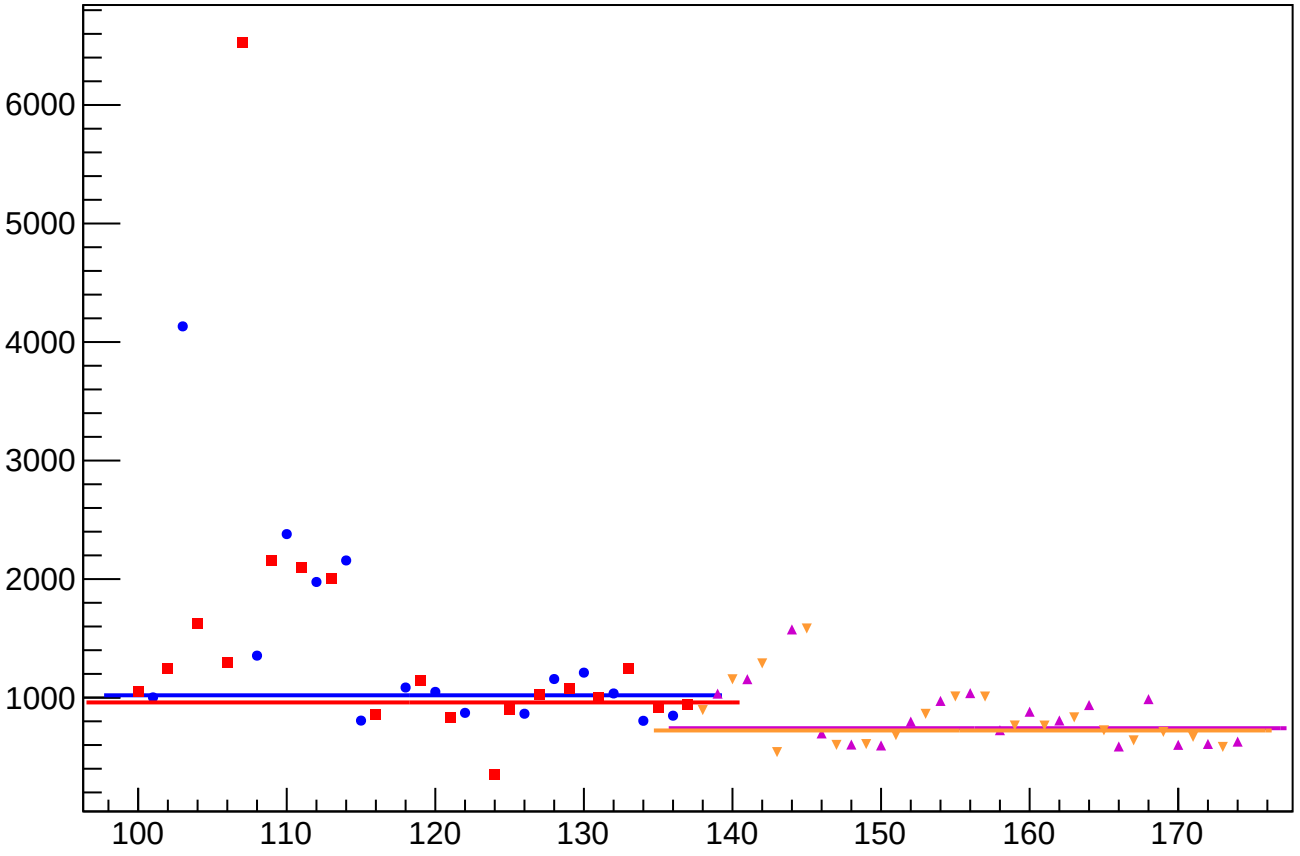
Left In: 40.505+/-199.833 χ^2/NDF:18.1/17

+ sign 318.956+/-174.770 χ^2/NDF: 39.4/34

All: 211.366+/-124.949 χ^2/NDF: 73.1/71

- 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: 722.823+/-0.137 χ^2/NDF:1695028.8/18

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

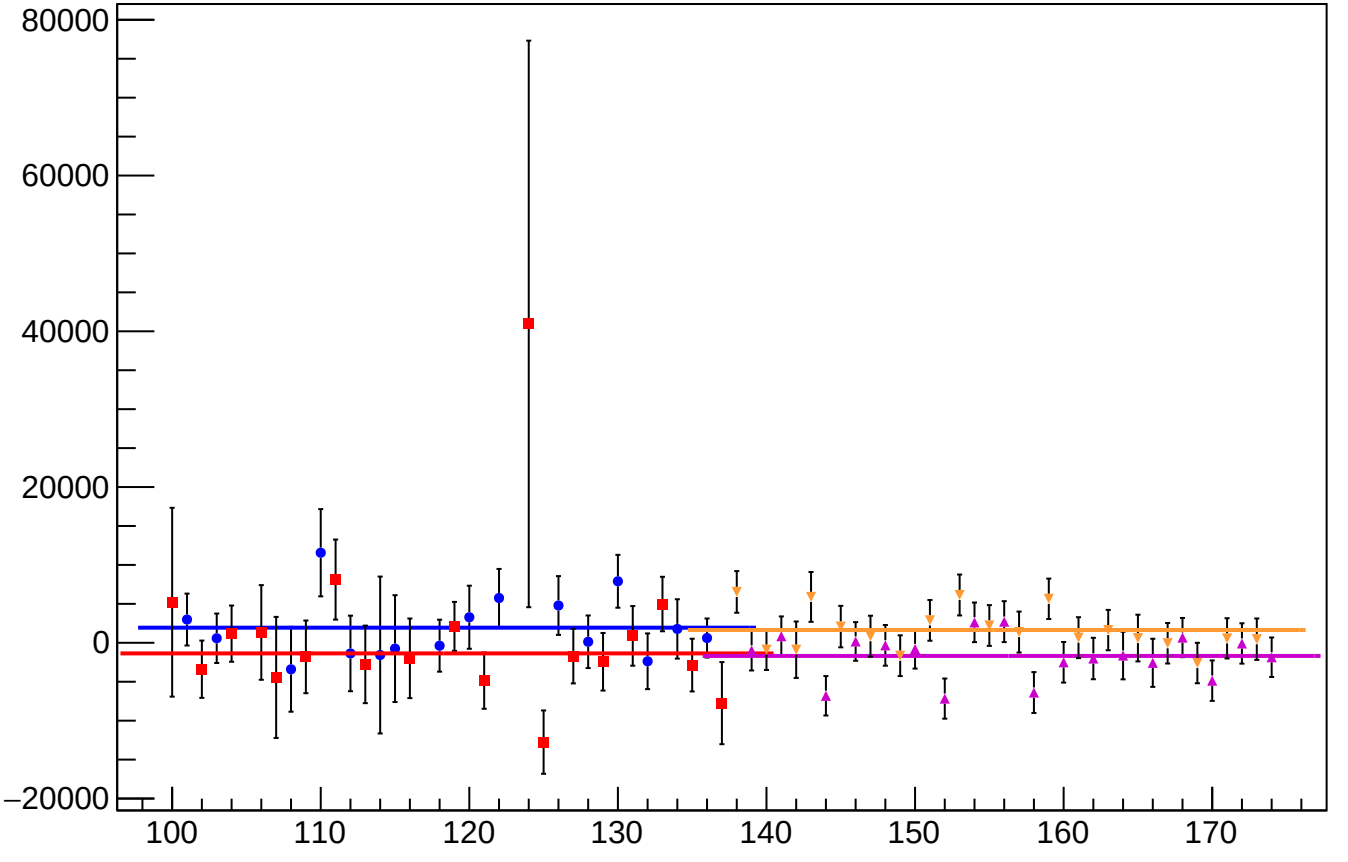
Left In: 741.795+/-0.141 χ^2/NDF:1793666.1/17

+ sign 777.875+/-0.124 χ^2/NDF: 3930817.7/34

All: 781.535+/-0.088 χ^2/NDF: 8545412.4/71

- 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: 1643.552+/-618.295 χ^2/NDF:17.6/18

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

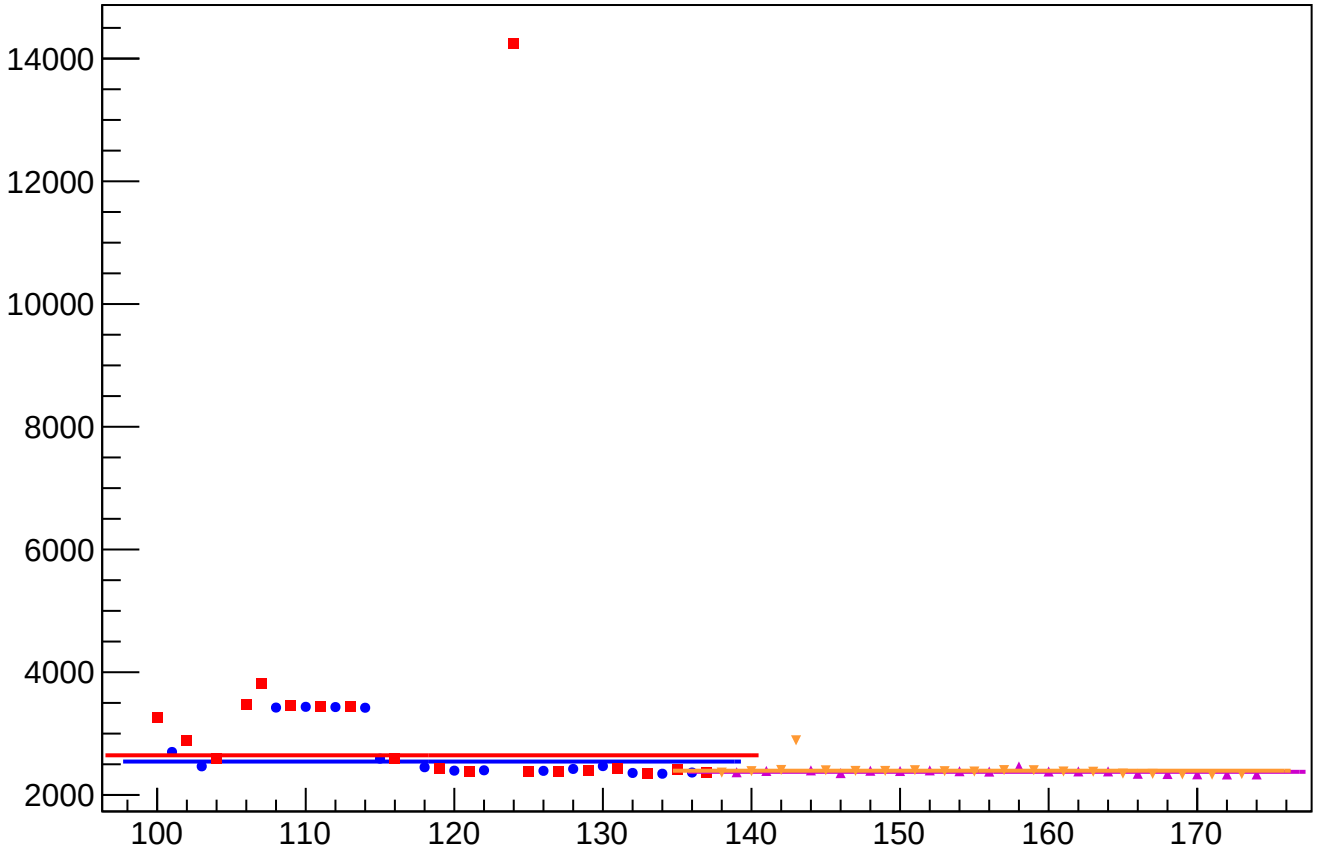
Left In: -1687.354+/-616.225 χ^2/NDF:22.5/17

+ sign 1731.432+/-518.618 χ^2/NDF: 29.9/34

All: 79.952+/-368.075 χ^2/NDF: 94.6/71

- 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: 2395.306+/-0.437 χ^2/NDF:52977.7/18

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

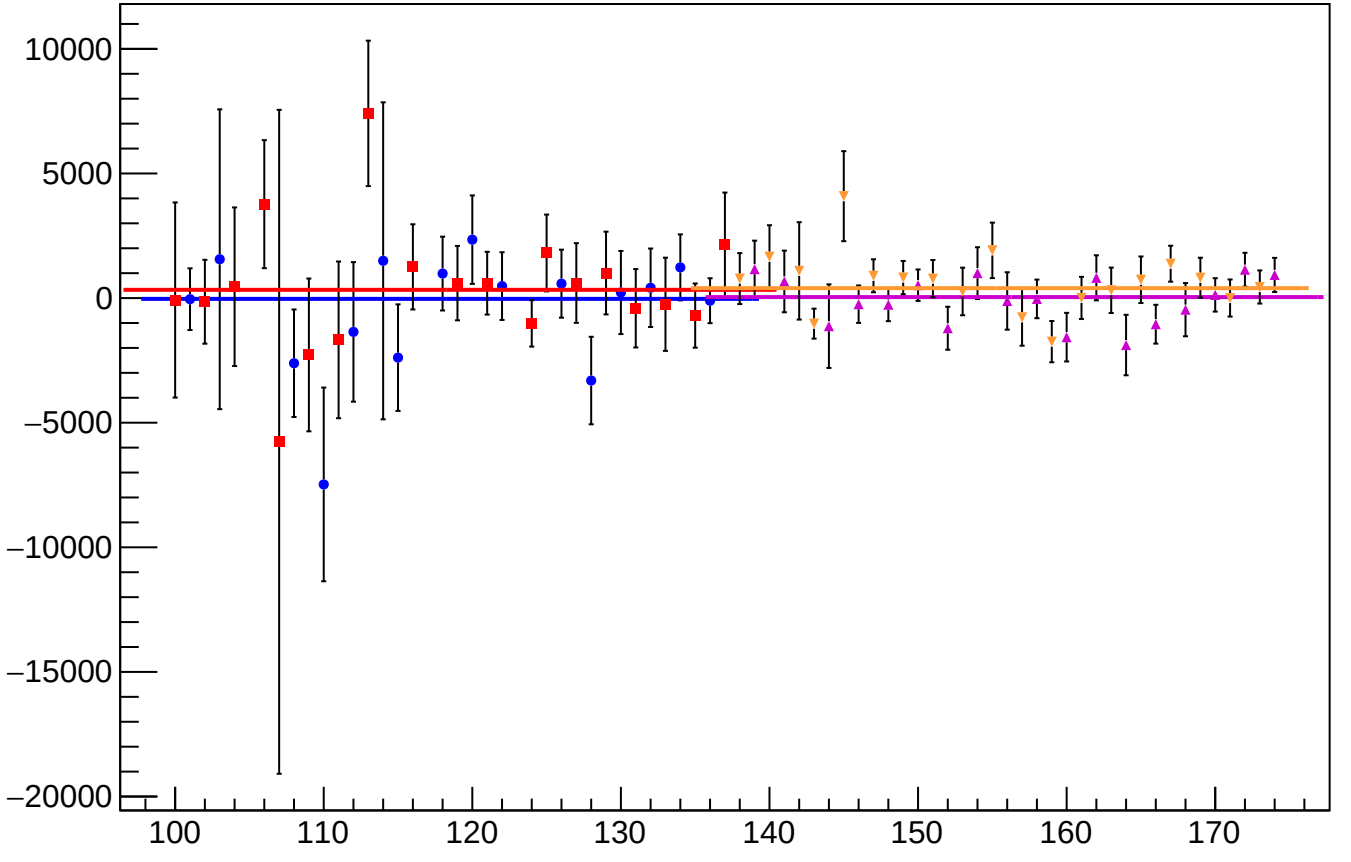
Left In: 2377.081+/-0.436 χ^2/NDF:5151.3/17

+ sign 2439.508+/-0.367 χ^2/NDF: 313073.0/34

All: 2446.073+/-0.260 χ^2/NDF: 965653.0/71

- 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: 398.745+/-193.658 χ^2/NDF:24.7/18

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

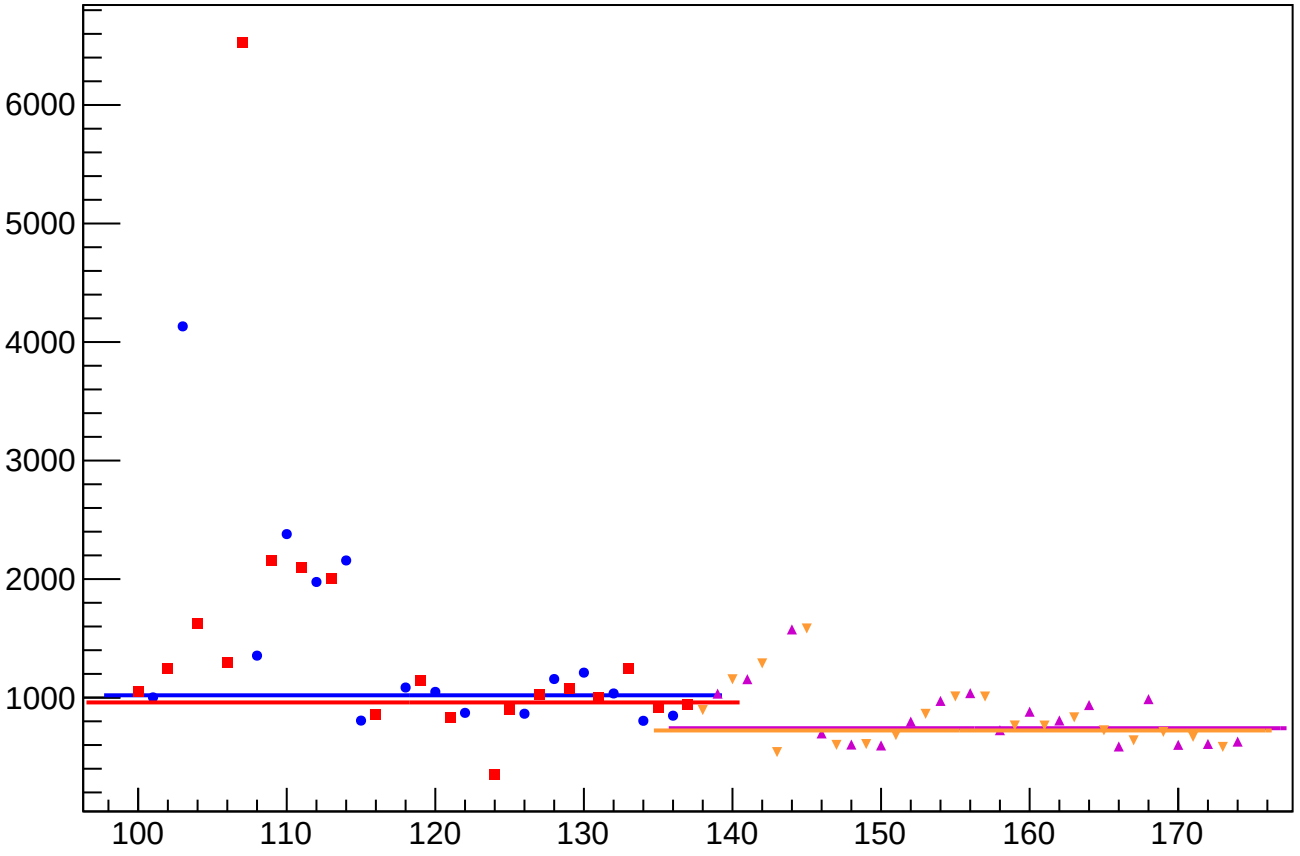
Left In: 40.505+/-199.833 χ^2/NDF:18.1/17

+ sign 318.956+/-174.770 χ^2/NDF: 39.4/34

All: 211.366+/-124.949 χ^2/NDF: 73.1/71

- 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: 722.823+/-0.137 χ^2/NDF:1695028.8/18

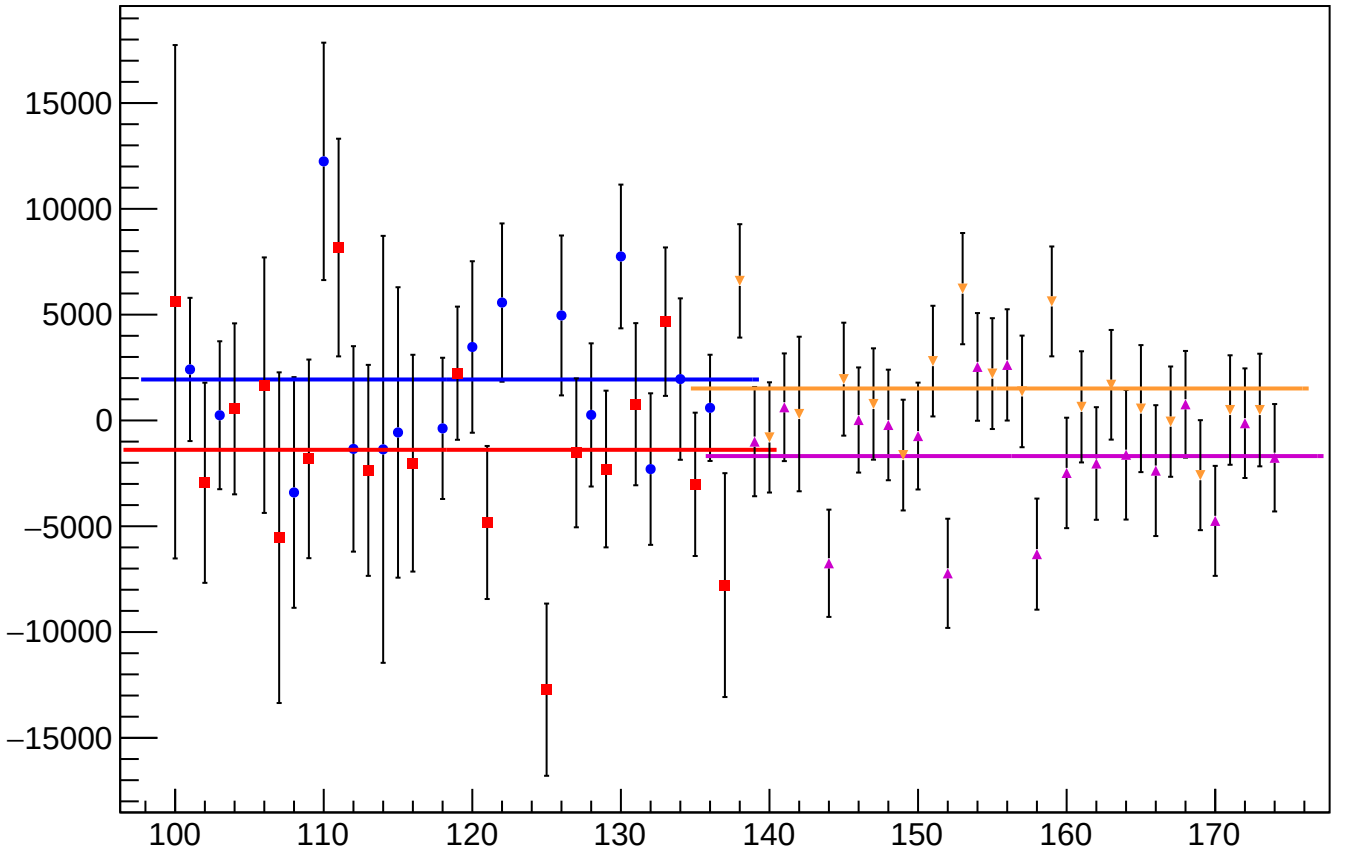
Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 741.795+/-0.141 χ^2/NDF:1793666.1/17

+ sign 777.875+/-0.124 χ^2/NDF: 3930817.7/34

All: 781.535+/-0.088 χ^2/NDF: 8545412.4/71

- 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: 1510.556+/-630.884 χ^2/NDF:15.5/17

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

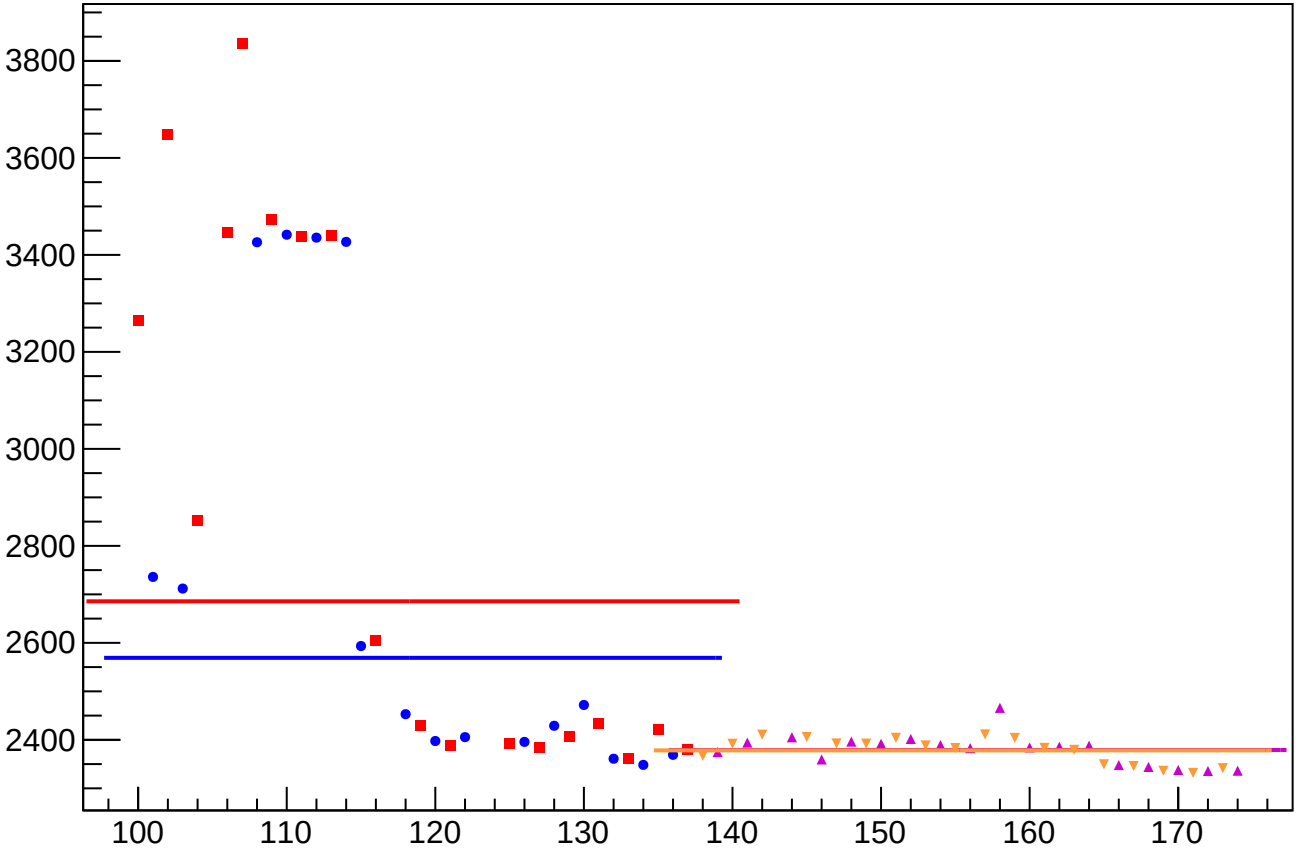
Left In: -1683.726+/-616.755 χ^2/NDF:21.8/17

+ sign 1638.441+/-527.610 χ^2/NDF: 28.0/33

All: 13.440+/-372.594 χ^2/NDF: 88.5/69

- 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: 2378.290+/-0.446 χ^2/NDF:3362.7/17

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

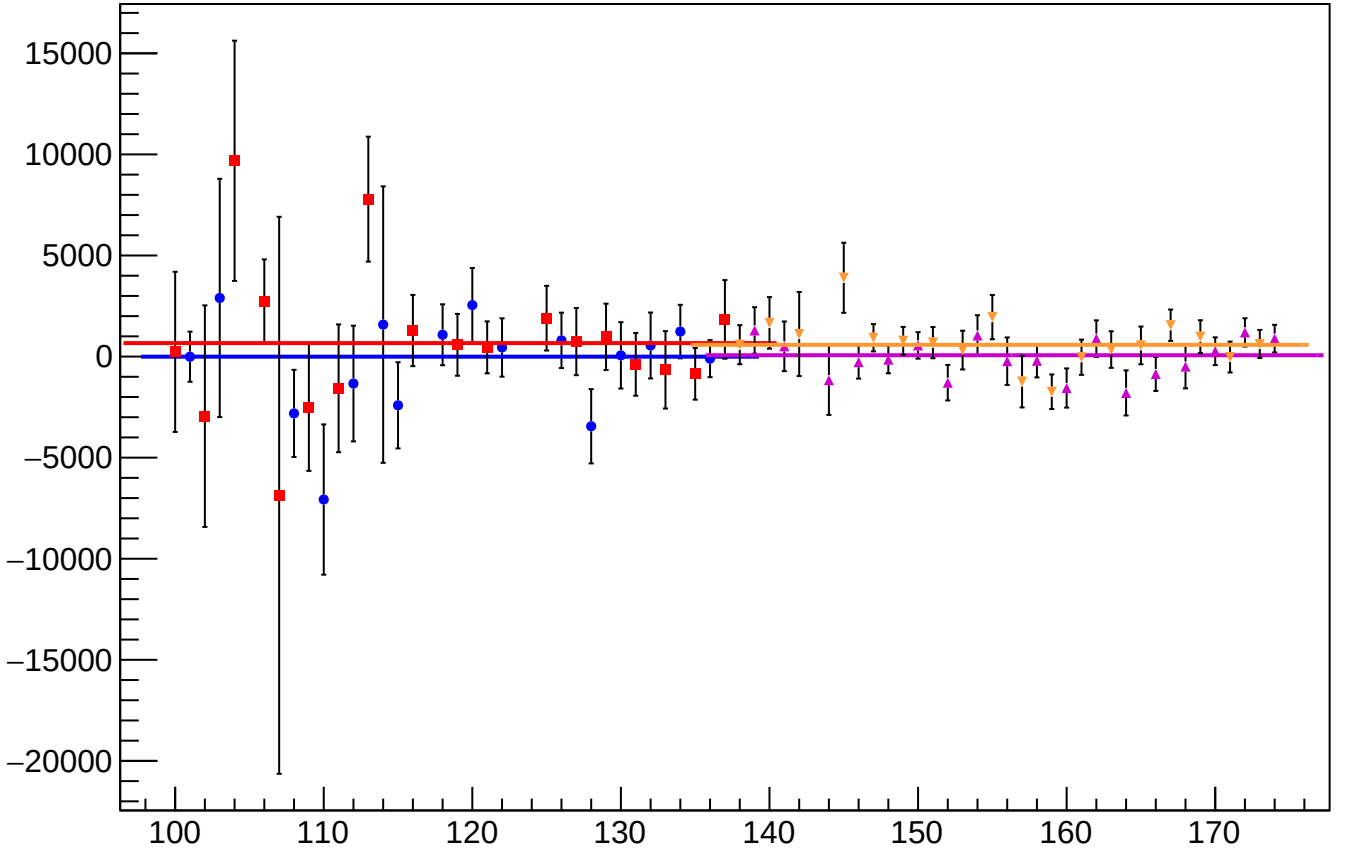
Left In: 2379.113+/-0.436 χ^2/NDF:5188.3/17

+ sign 2435.656+/-0.373 χ^2/NDF: 287862.1/33

All: 2449.106+/-0.263 χ^2/NDF: 849291.7/69

- 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: 580.862+/-209.482 χ^2/NDF:18.8/17

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

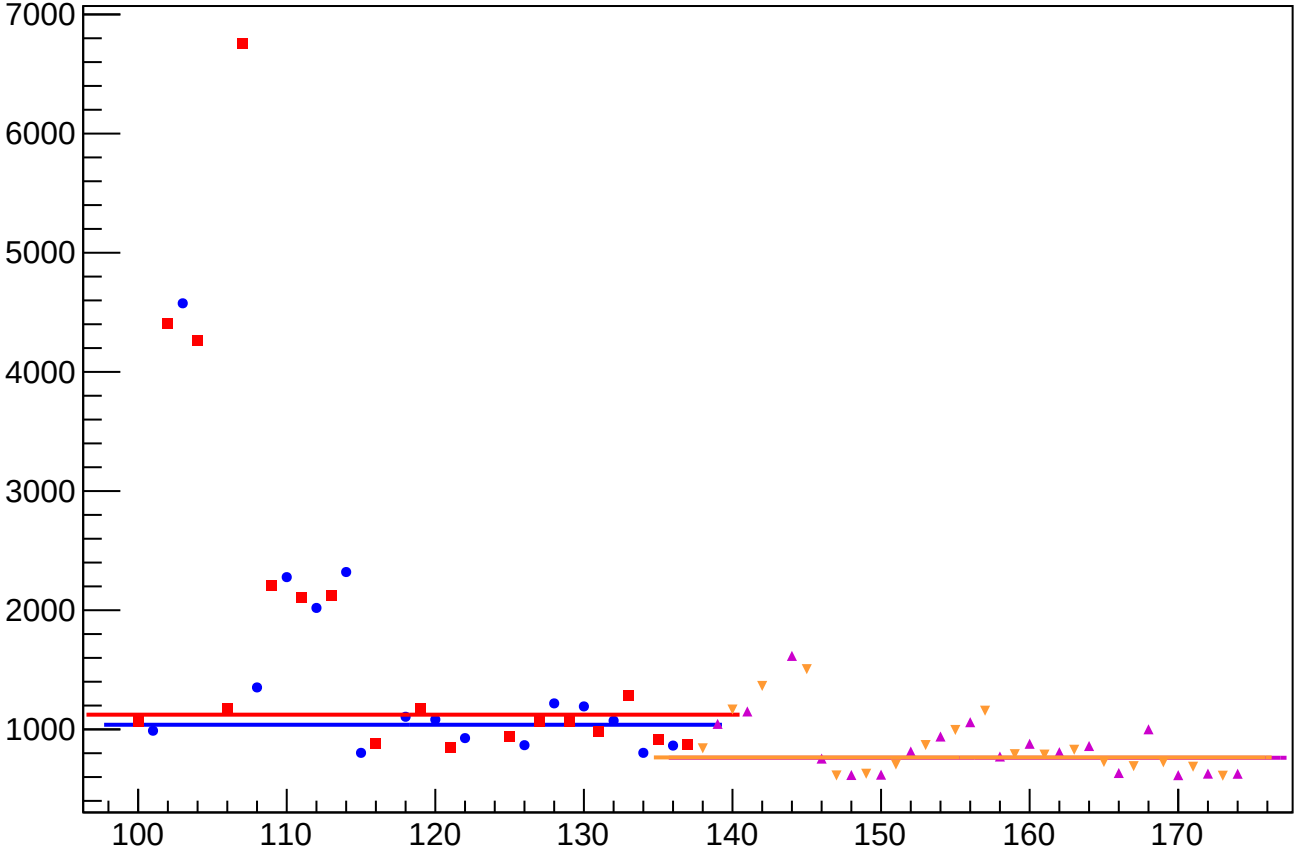
Left In: 66.007+/-204.236 χ^2/NDF:18.2/17

+ sign 460.596+/-186.754 χ^2/NDF: 35.0/33

All: 312.562+/-132.035 χ^2/NDF: 70.2/69

- 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: 764.711+/-0.148 χ^2/NDF:1392286.5/17

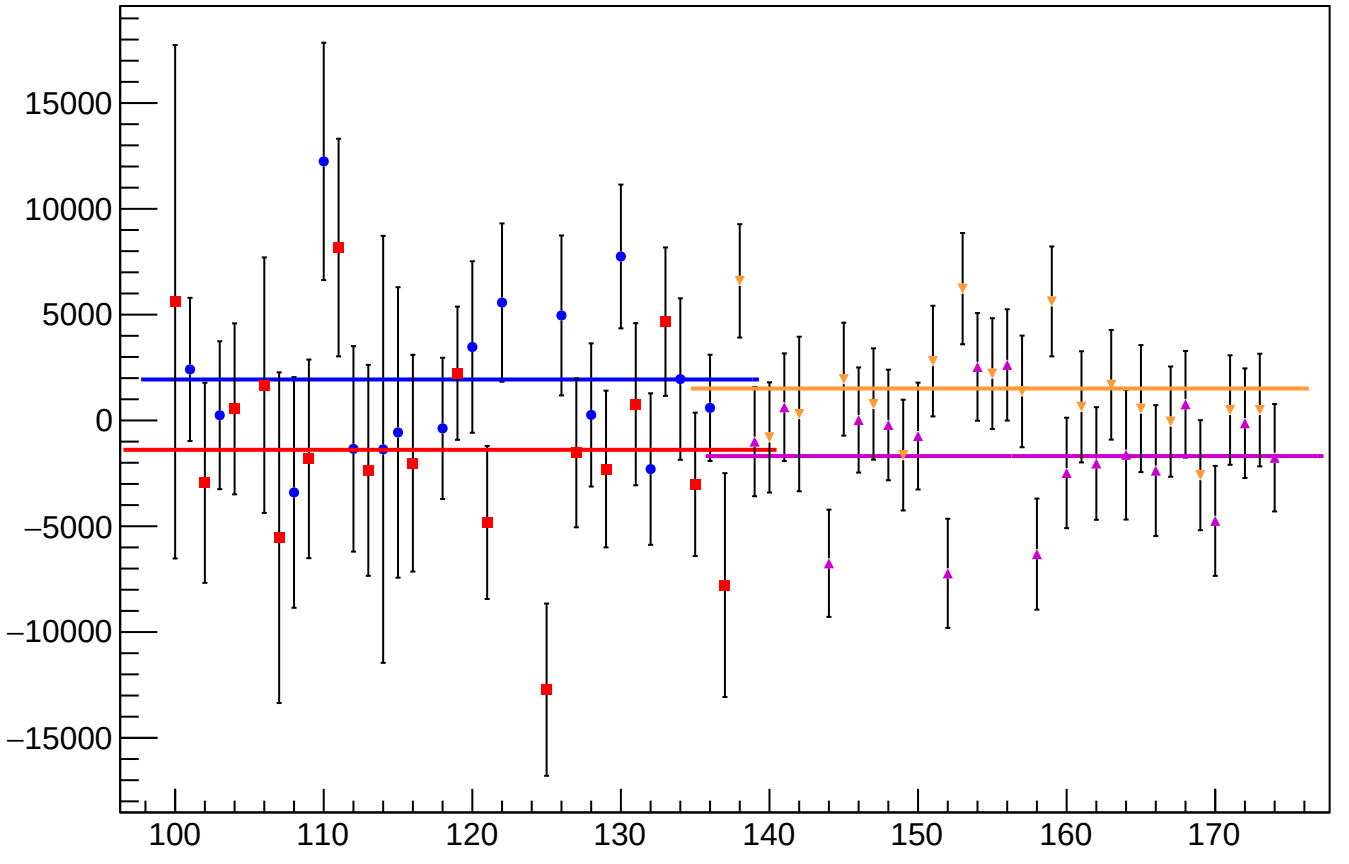
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 761.807+/-0.144 χ^2/NDF:1639077.2/17

+ sign 820.961+/-0.132 χ^2/NDF: 3634685.6/33

All: 821.106+/-0.093 χ^2/NDF: 8840100.7/69

- 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: 1510.556+/-630.884 χ^2/NDF:15.5/17

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

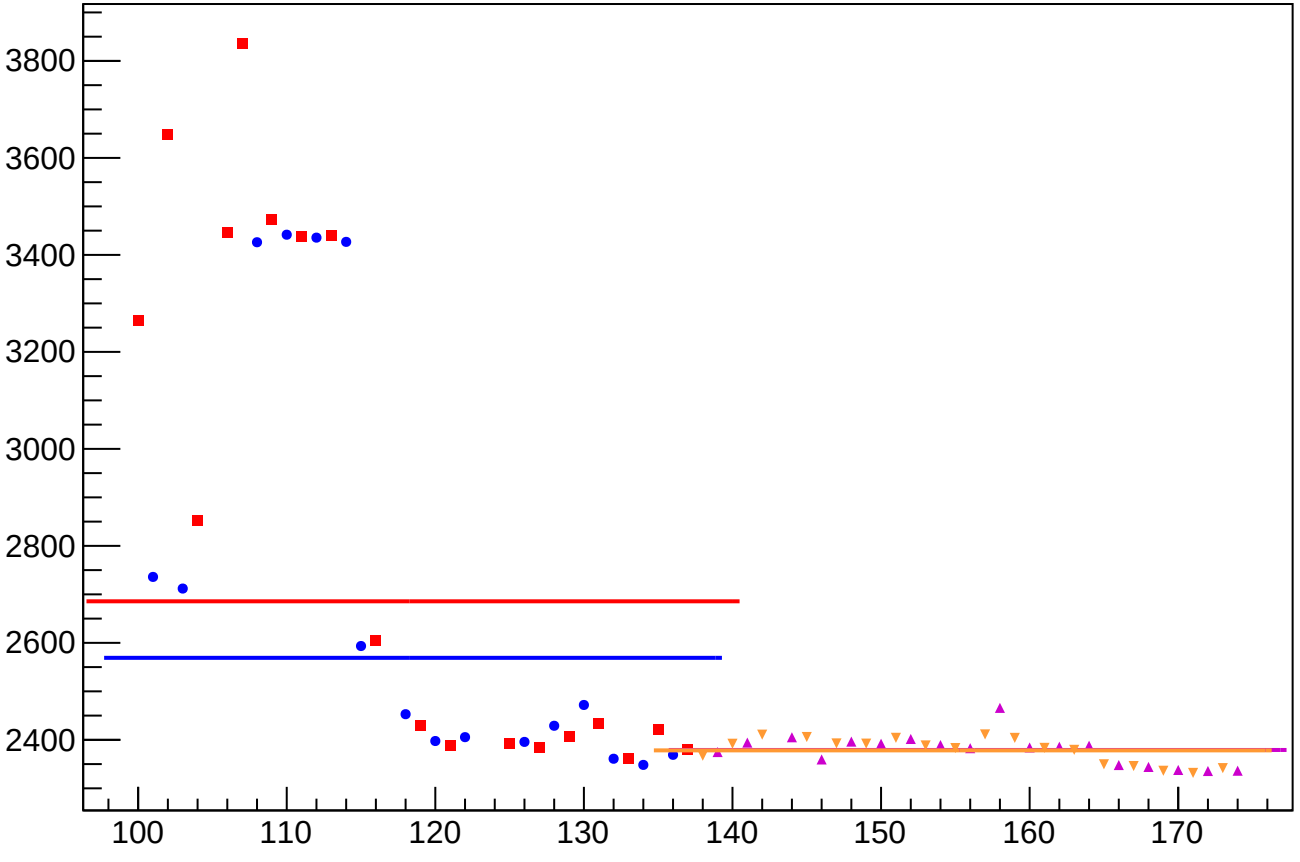
Left In: -1683.727+/-616.755 χ^2/NDF:21.8/17

+ sign 1638.440+/-527.610 χ^2/NDF: 28.0/33

All: 13.440+/-372.594 χ^2/NDF: 88.5/69

- 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: 2378.290+/-0.446 χ^2/NDF:3362.7/17

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

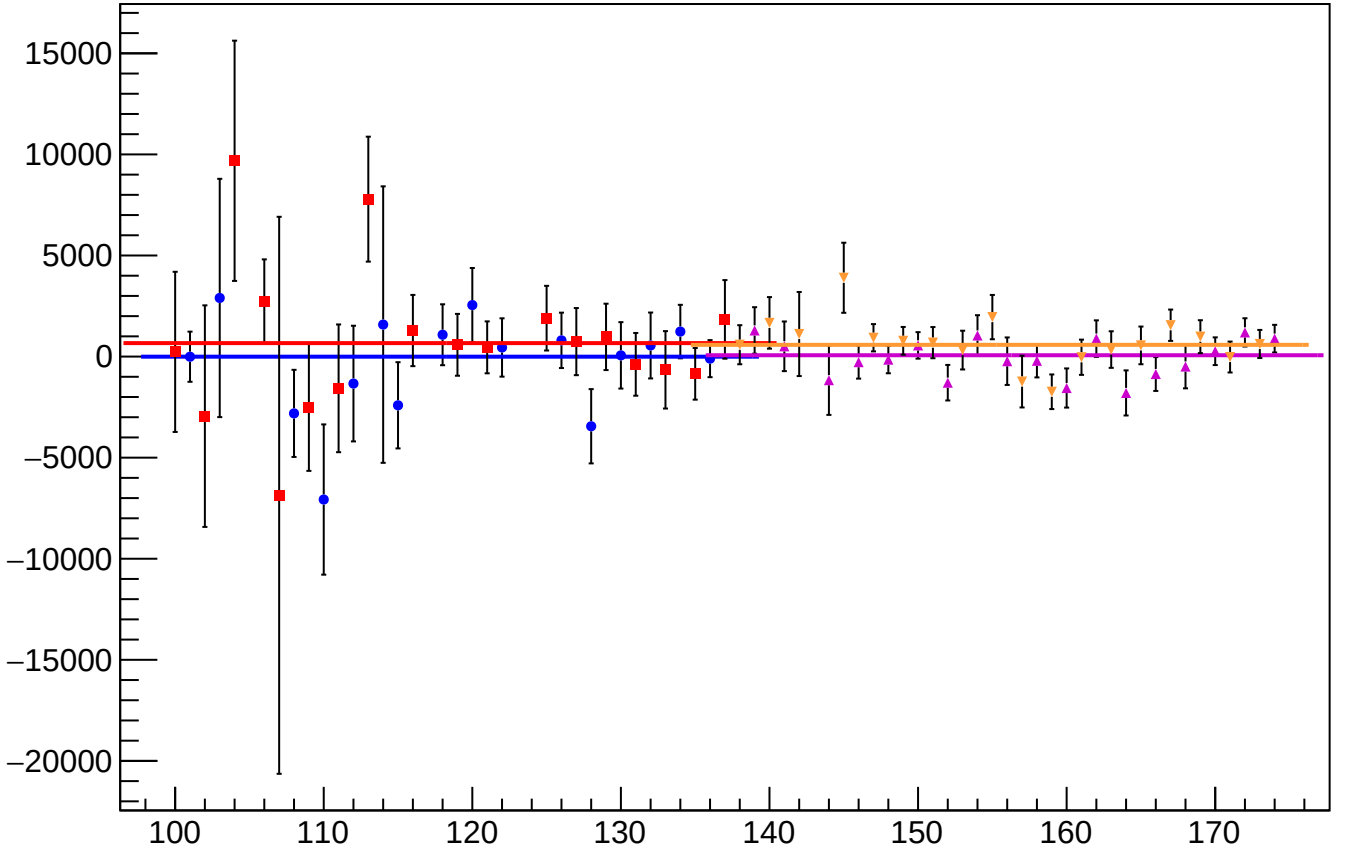
Left In: 2379.113+/-0.436 χ^2/NDF:5188.3/17

+ sign 2435.656+/-0.373 χ^2/NDF: 287861.6/33

All: 2449.105+/-0.263 χ^2/NDF: 849290.3/69

- 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: 580.863+/-209.482 χ^2/NDF:18.8/17

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

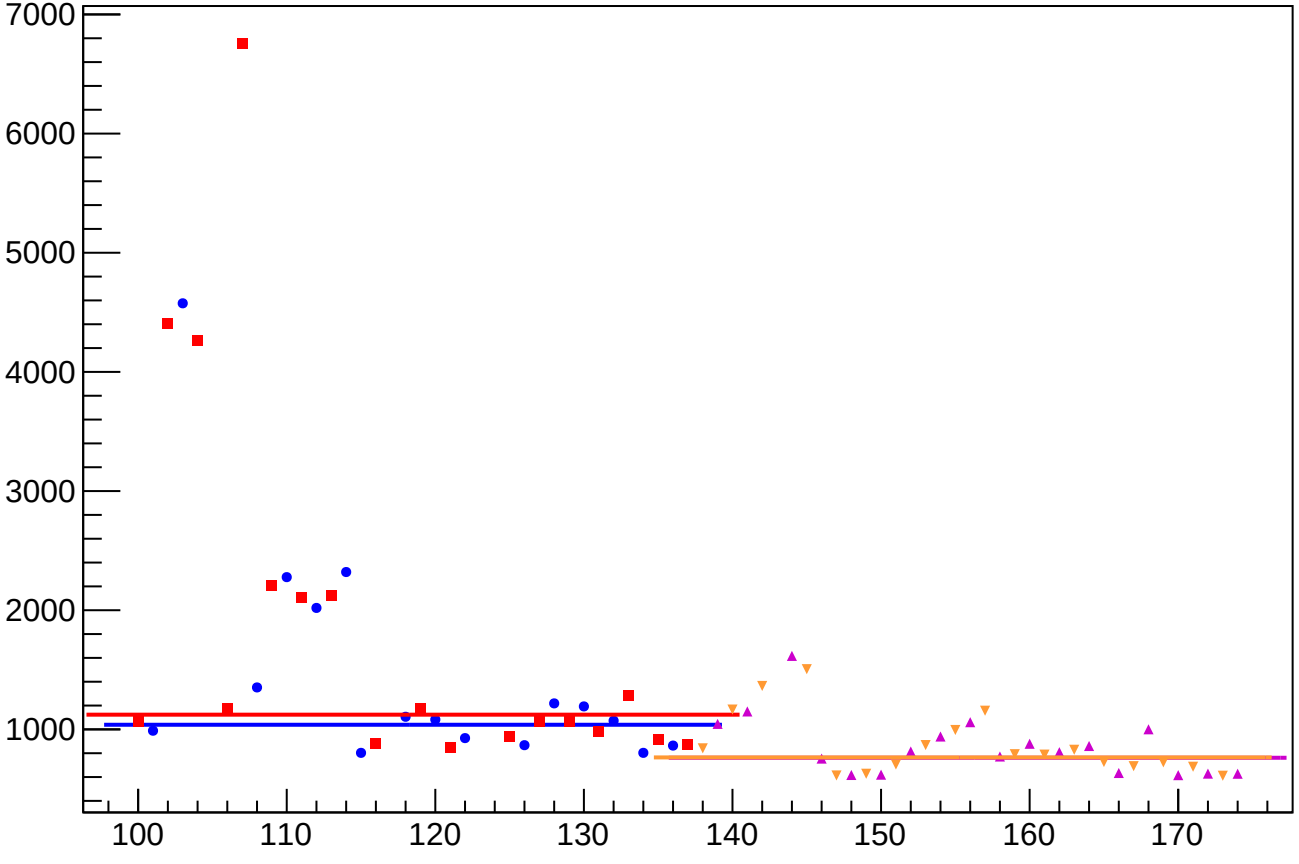
Left In: 66.007+/-204.236 χ^2/NDF:18.2/17

\+ sign 460.595+/-186.754 χ^2/NDF: 35.0/33

All: 312.562+/-132.036 χ^2/NDF: 70.2/69

\- 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: 764.713+/-0.148 χ^2/NDF:1392285.3/17

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

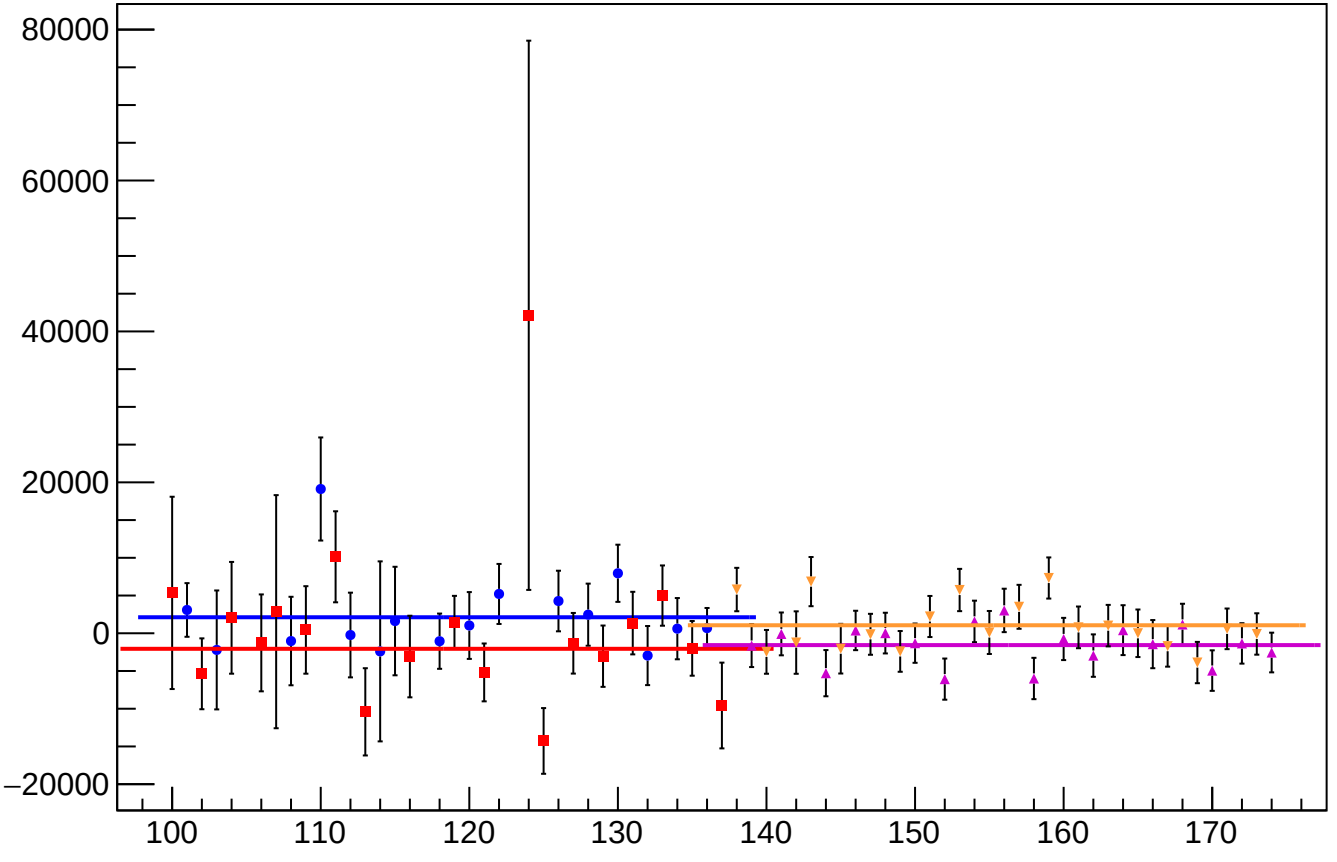
Left In: 761.808+/-0.144 χ^2/NDF:1639074.1/17

+ sign 820.962+/-0.132 χ^2/NDF: 3634673.5/33

All: 821.107+/-0.093 χ^2/NDF: 8840074.8/69

- 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: 1061.314+/-659.437 χ^2/NDF:24.1/18

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

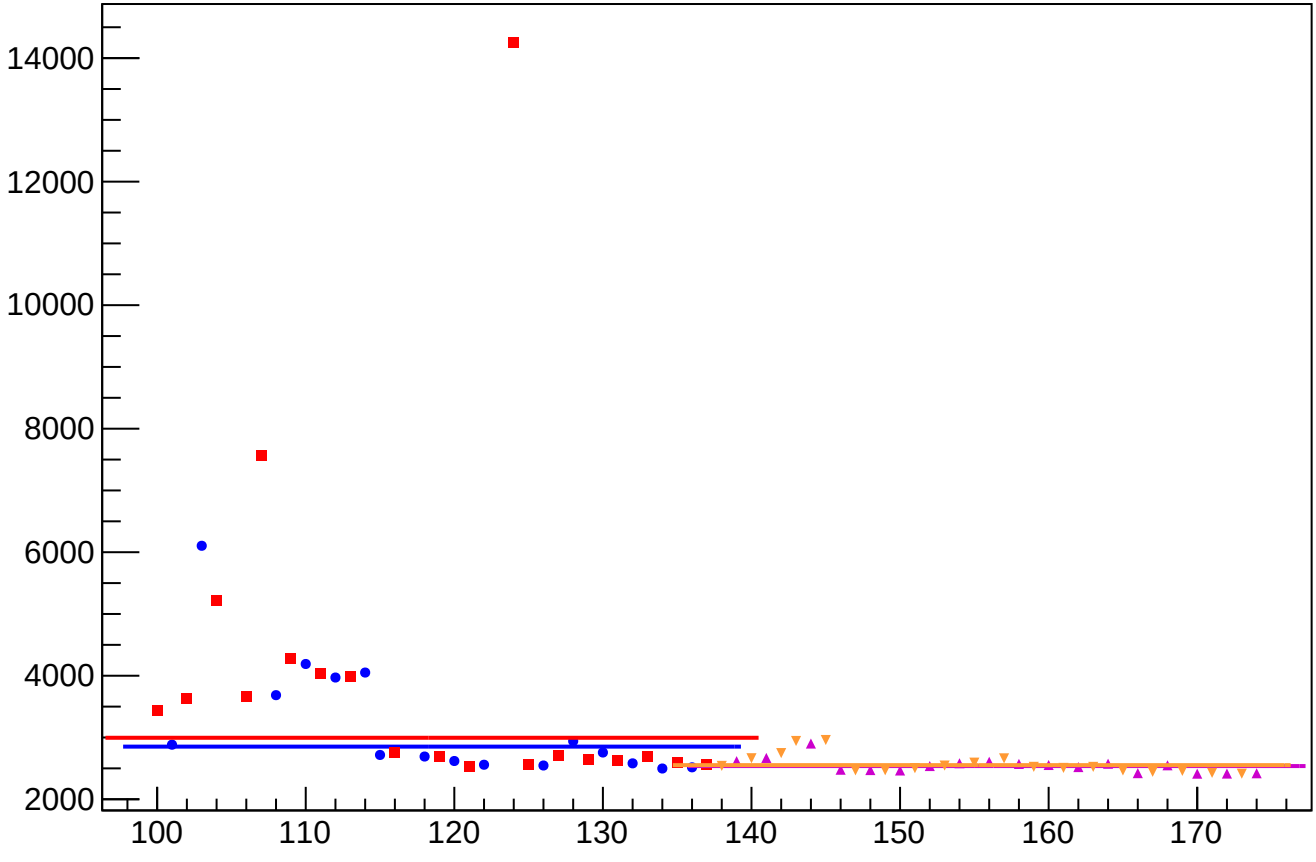
Left In: -1568.224+/-658.457 χ^2/NDF:15.3/17

+ sign 1347.546+/-563.478 χ^2/NDF: 38.1/34

All: -155.179+/-400.649 χ^2/NDF: 92.2/71

- 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: 2552.392+/-0.466 χ^2/NDF:91890.2/18

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

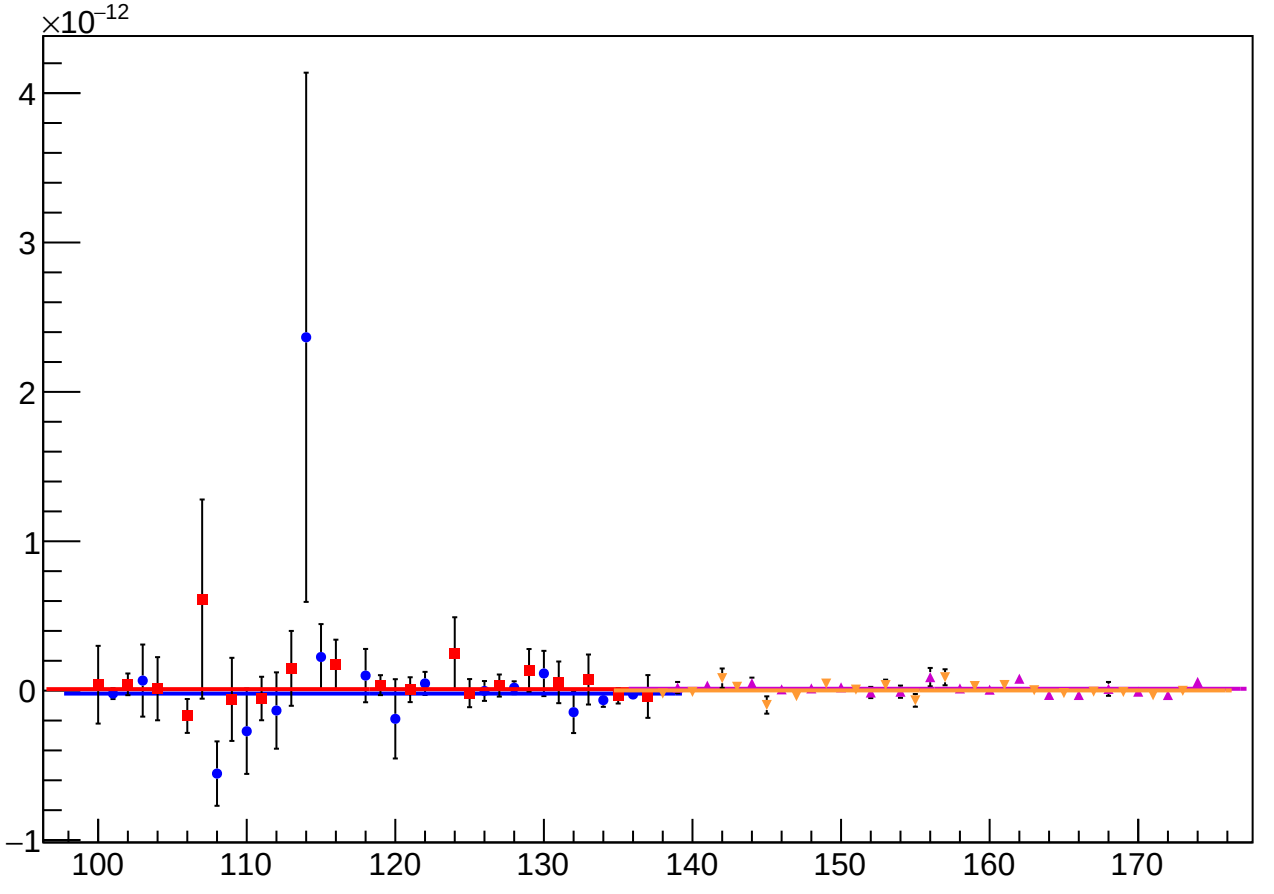
Left In: 2537.319+/-0.466 χ^2/NDF:55231.2/17

+ sign 2633.299+/-0.398 χ^2/NDF: 852168.9/34

All: 2642.756+/-0.283 χ^2/NDF: 2131005.8/71

- 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:24.2/18

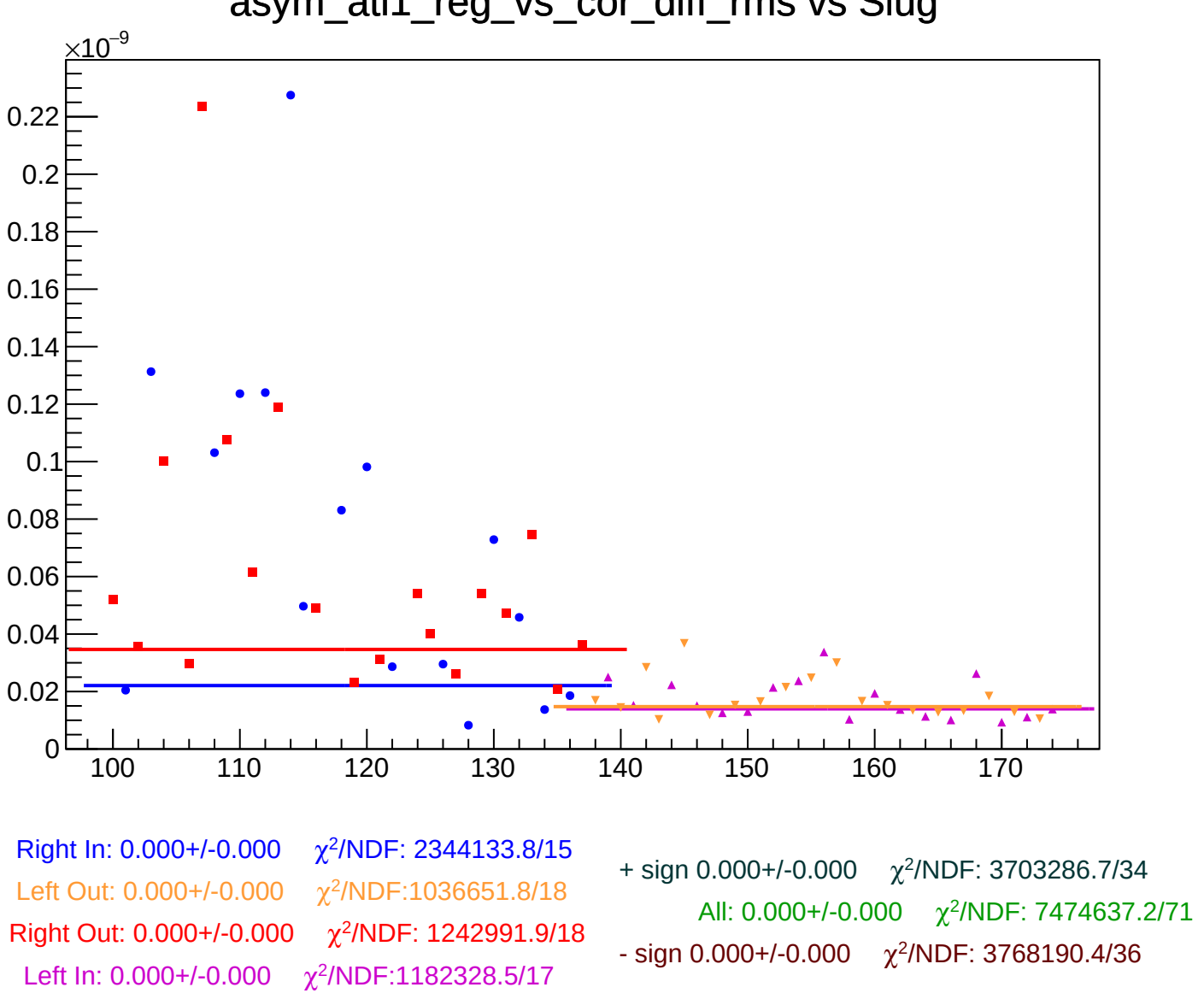
Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: 0.000+/-0.000 χ^2/NDF:25.9/17

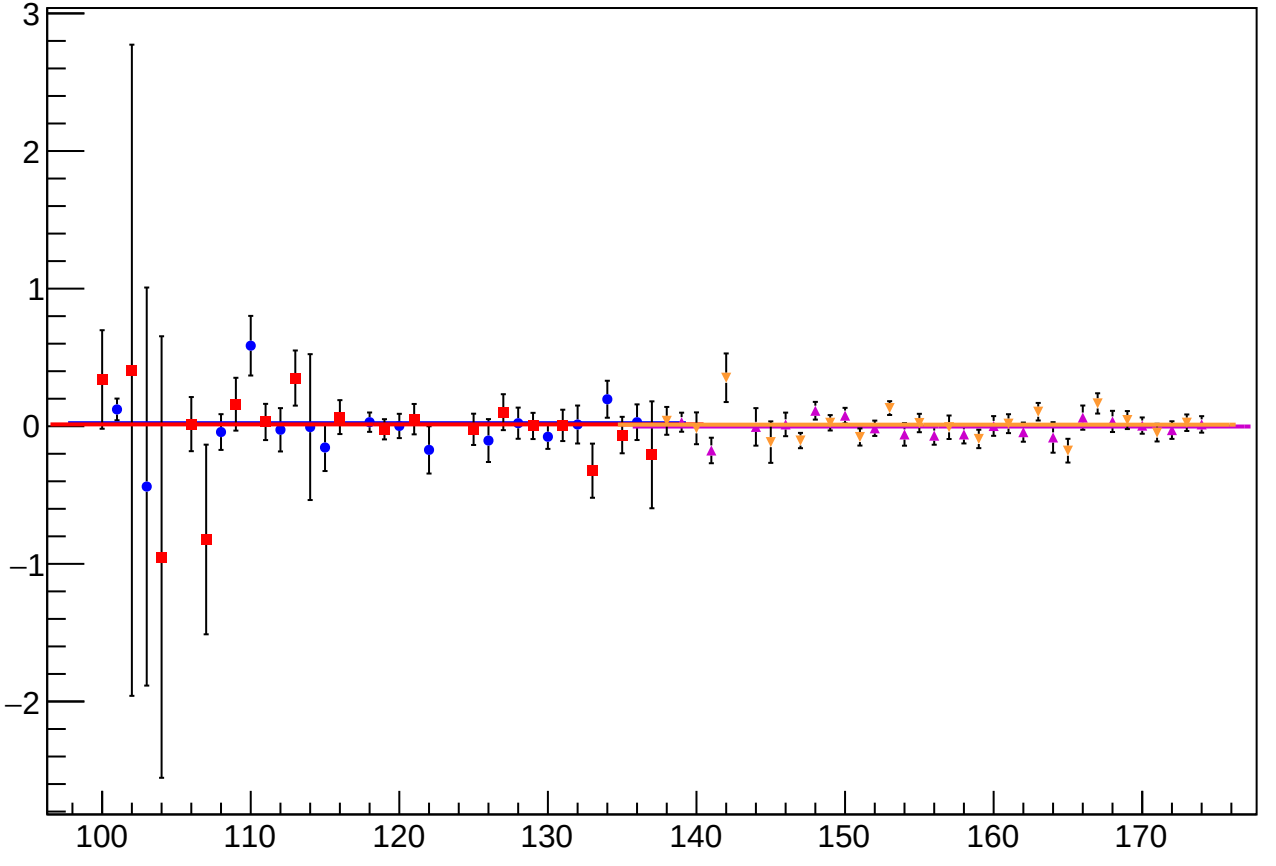
+ sign -0.000+/-0.000 χ^2/NDF: 40.9/34

All: 0.000+/-0.000 χ^2/NDF: 77.6/71

- sign 0.000+/-0.000 χ^2/NDF: 34.2/36


asym_atl1_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2344133.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1036651.8/18
Right Out: 0.000+/-0.000 χ²/NDF: 1242991.9/18
Left In: 0.000+/-0.000 χ²/NDF:1182328.5/17
+ sign 0.000+/-0.000 χ²/NDF: 3703286.7/34
All: 0.000+/-0.000 χ²/NDF: 7474637.2/71
- sign 0.000+/-0.000 χ²/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: 0.012+/-0.017 χ^2/NDF:31.8/17

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

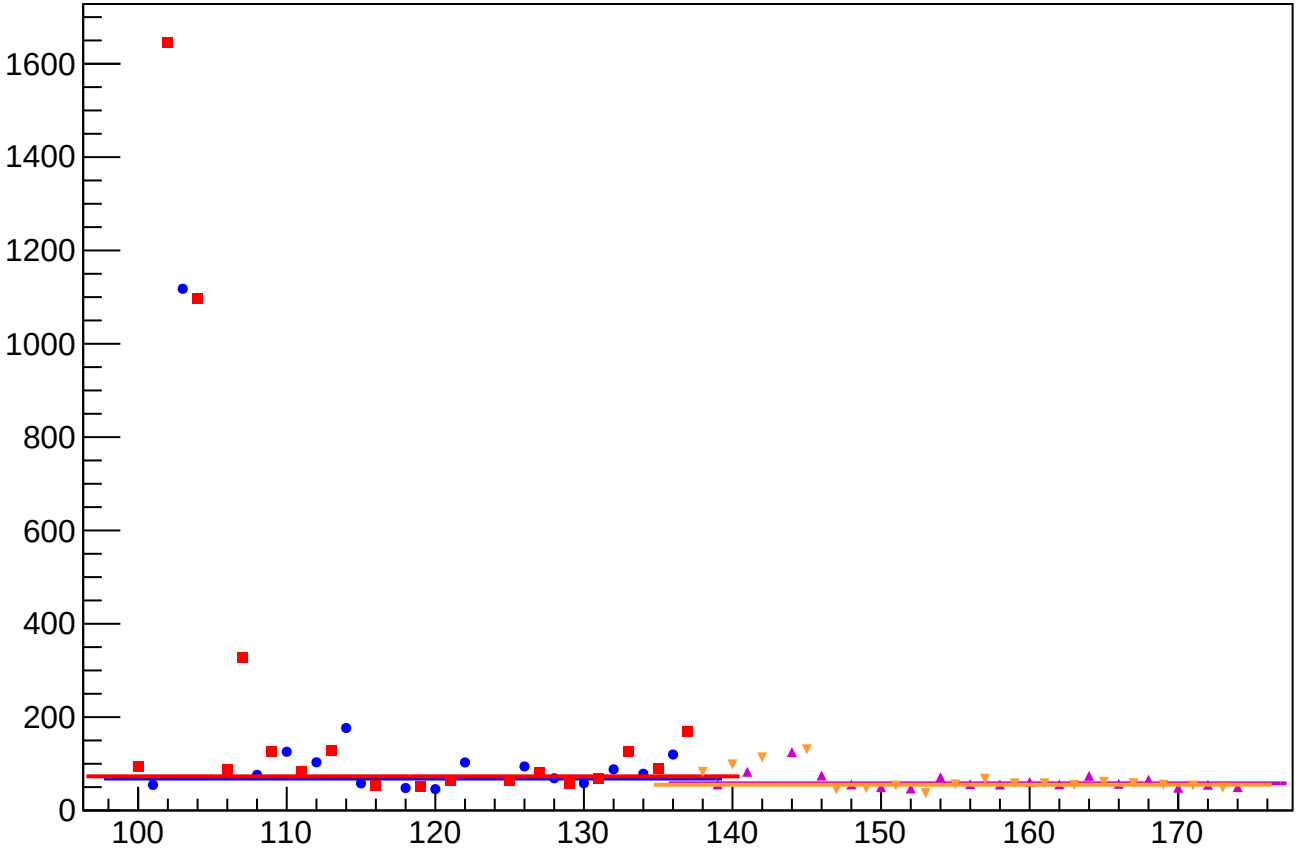
Left In: -0.002+/-0.017 χ^2/NDF:13.1/17

+ sign 0.014+/-0.014 χ^2/NDF: 46.7/33

All: 0.008+/-0.010 χ^2/NDF: 71.1/69

- 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: 55.096+/-0.012 χ^2/NDF:1611755.6/17

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

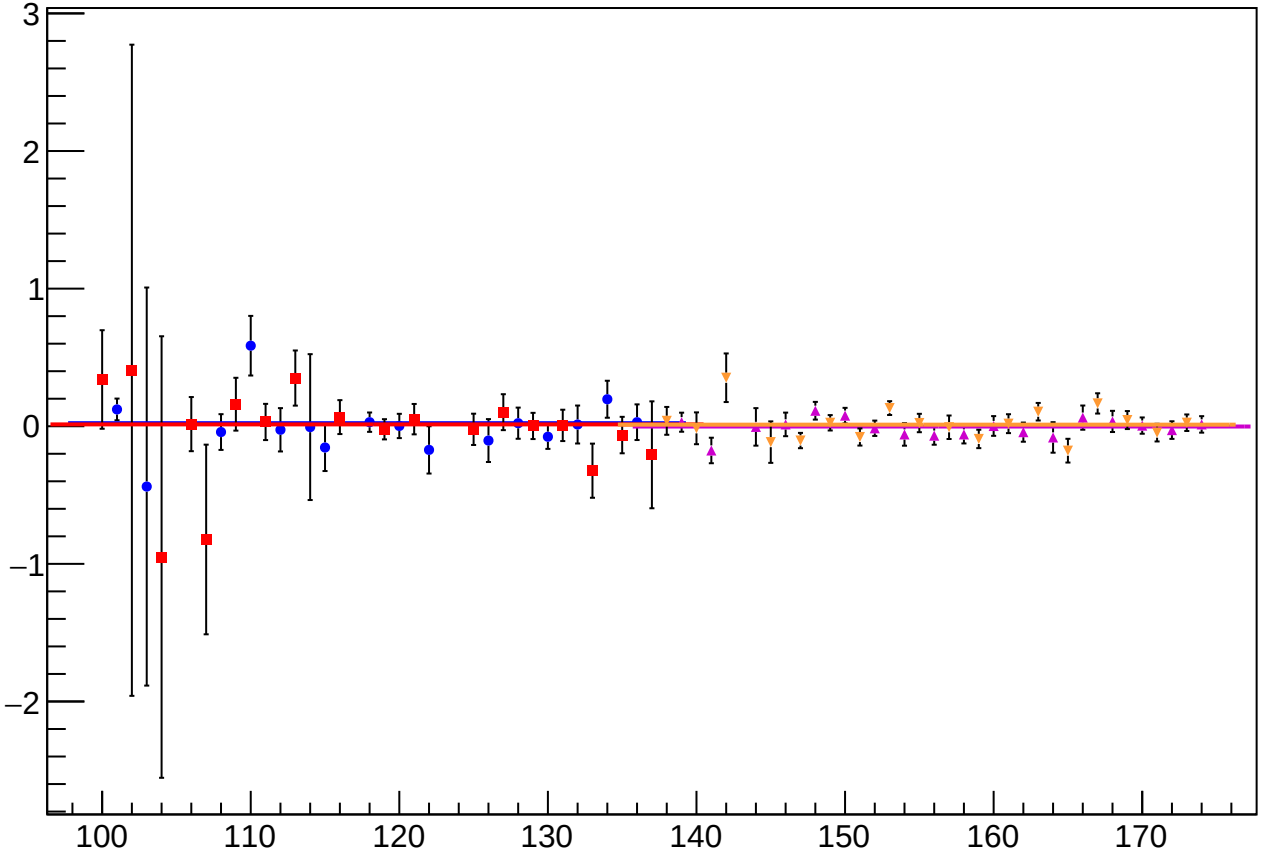
Left In: 58.072+/-0.012 χ^2/NDF:1044474.7/17

+ sign 58.176+/-0.010 χ^2/NDF: 4190632.3/33

All: 59.573+/-0.007 χ^2/NDF: 8508218.3/69

- 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: 0.012+/-0.017 χ^2/NDF:31.8/17

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

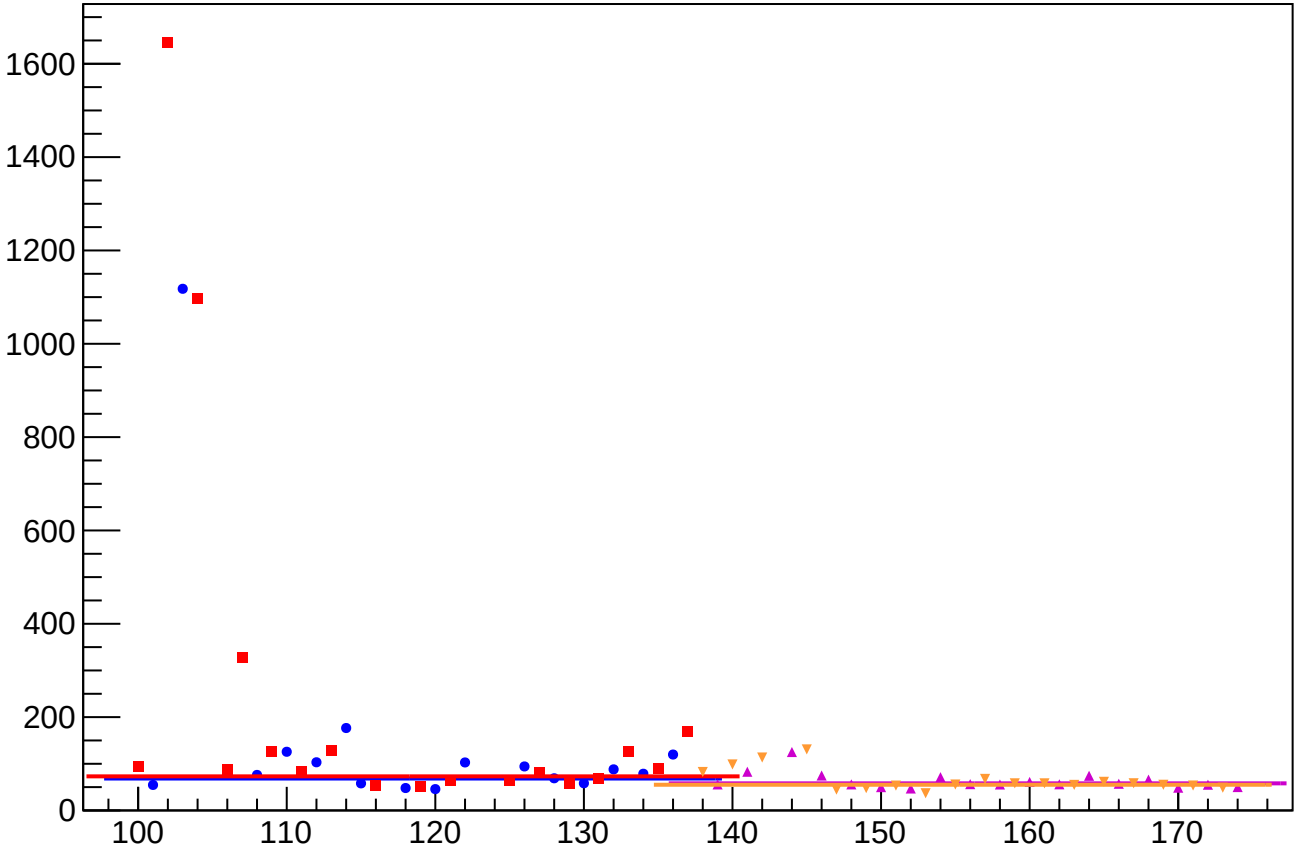
Left In: -0.002+/-0.017 χ^2/NDF:13.1/17

+ sign 0.014+/-0.014 χ^2/NDF: 46.7/33

All: 0.008+/-0.010 χ^2/NDF: 71.1/69

- 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: 55.096+/-0.012 χ^2/NDF:1611755.6/17

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

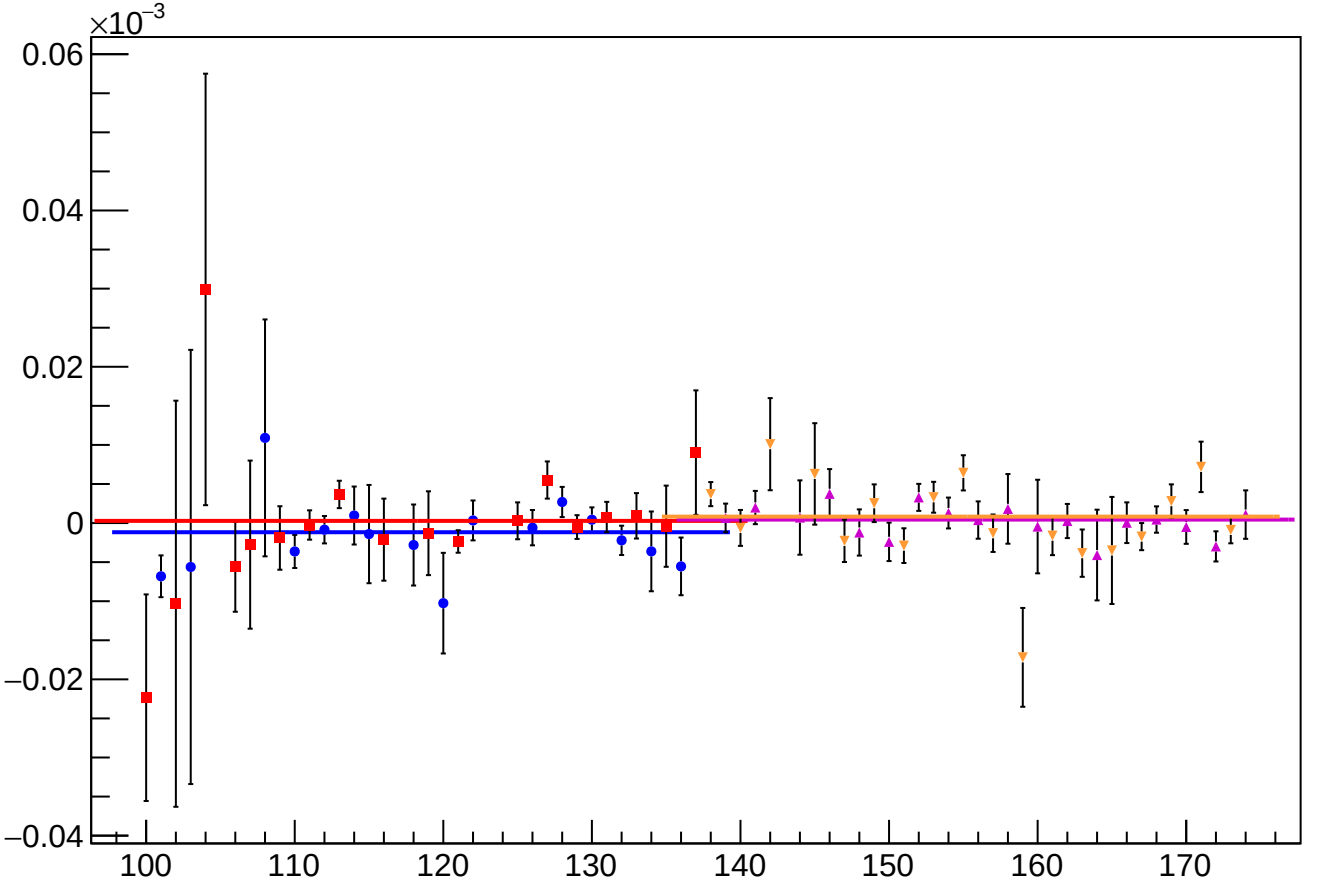
Left In: 58.072+/-0.012 χ^2/NDF:1044474.7/17

+ sign 58.176+/-0.010 χ^2/NDF: 4190632.3/33

All: 59.573+/-0.007 χ^2/NDF: 8508218.3/69

- 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:40.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

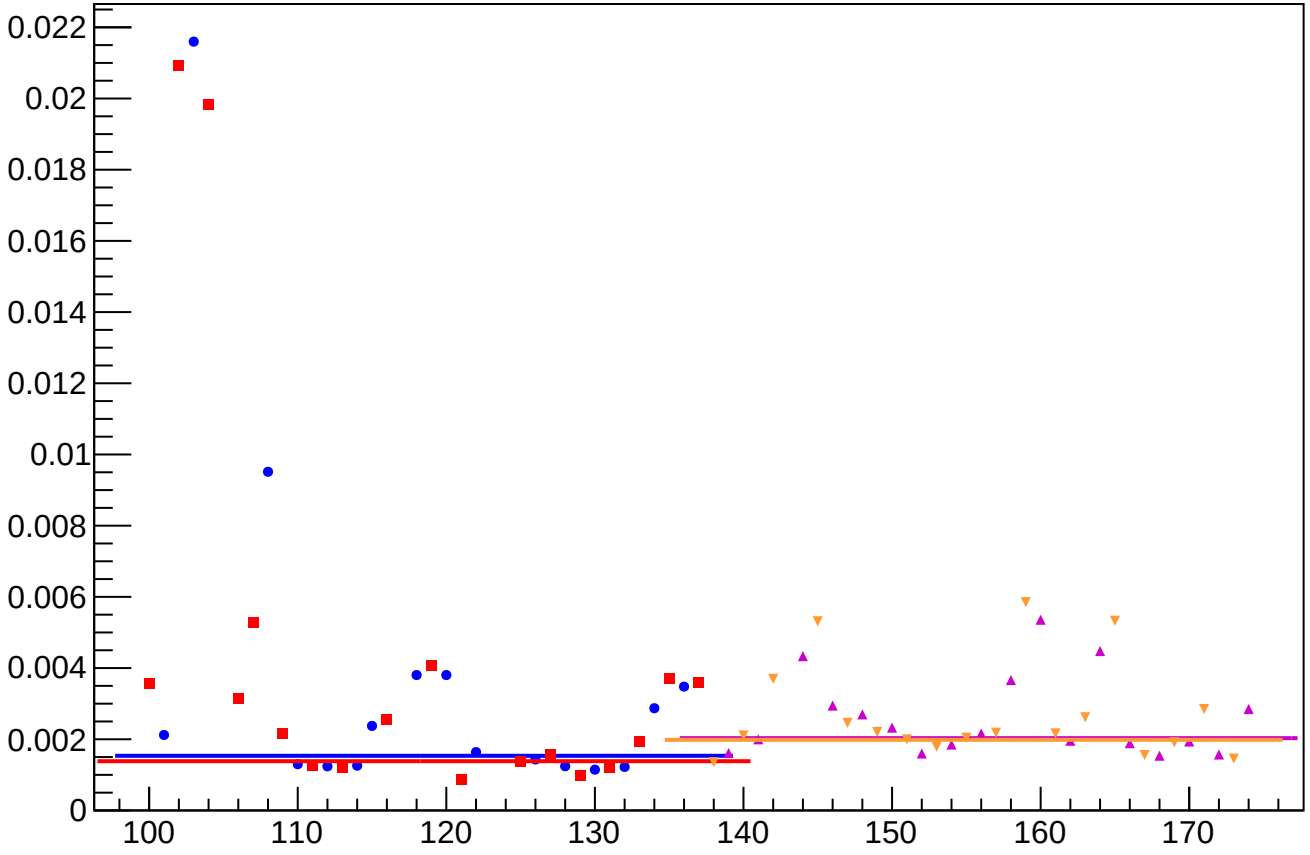
Left In: 0.000+/-0.000 χ^2/NDF:10.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 61.5/33

All: 0.000+/-0.000 χ^2/NDF: 91.8/69

- 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:2925771.1/17

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

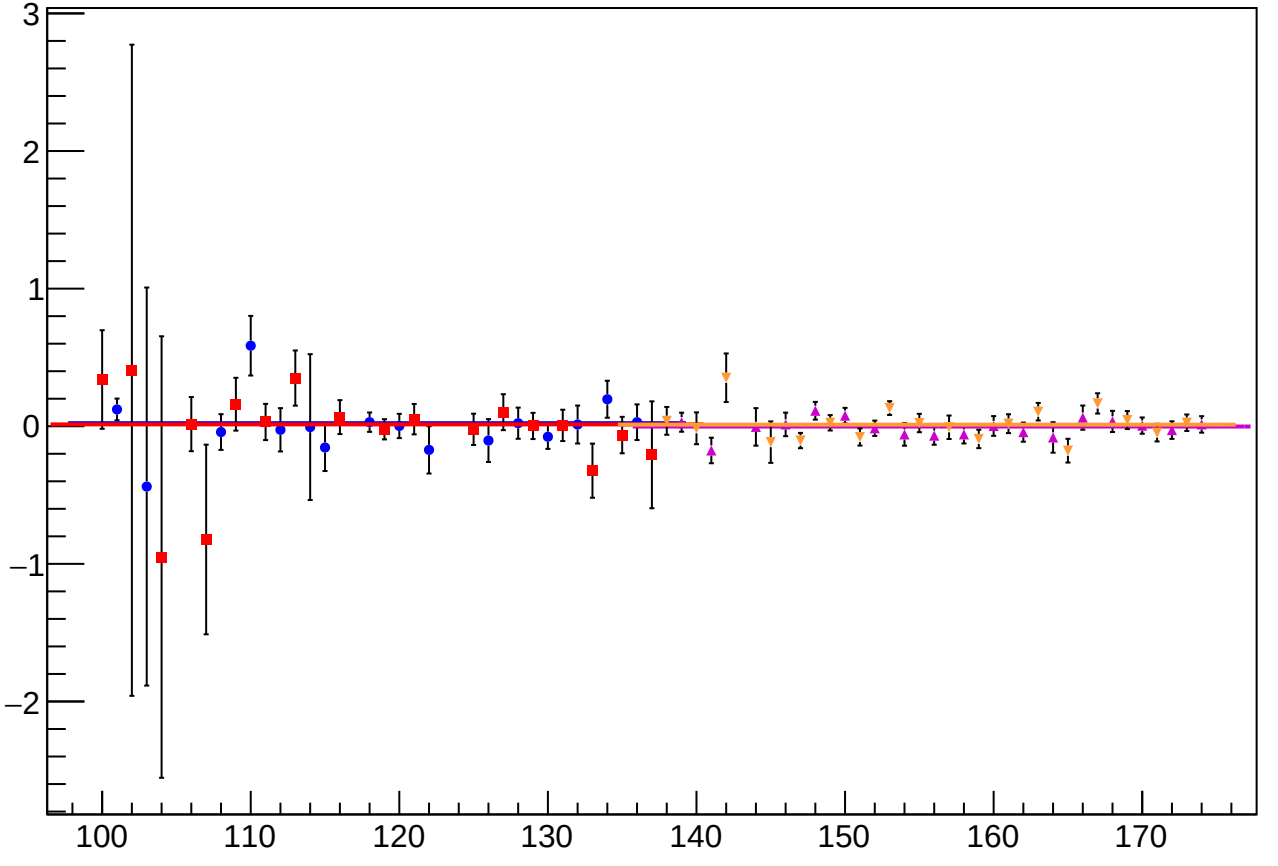
Left In: 0.002+/-0.000 χ^2/NDF:2695484.8/17

+ sign 0.002+/-0.000 χ^2/NDF: 6828029.0/33

All: 0.002+/-0.000 χ^2/NDF: 14968949.1/69

- 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: 0.012+/-0.017 χ^2/NDF:31.8/17

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

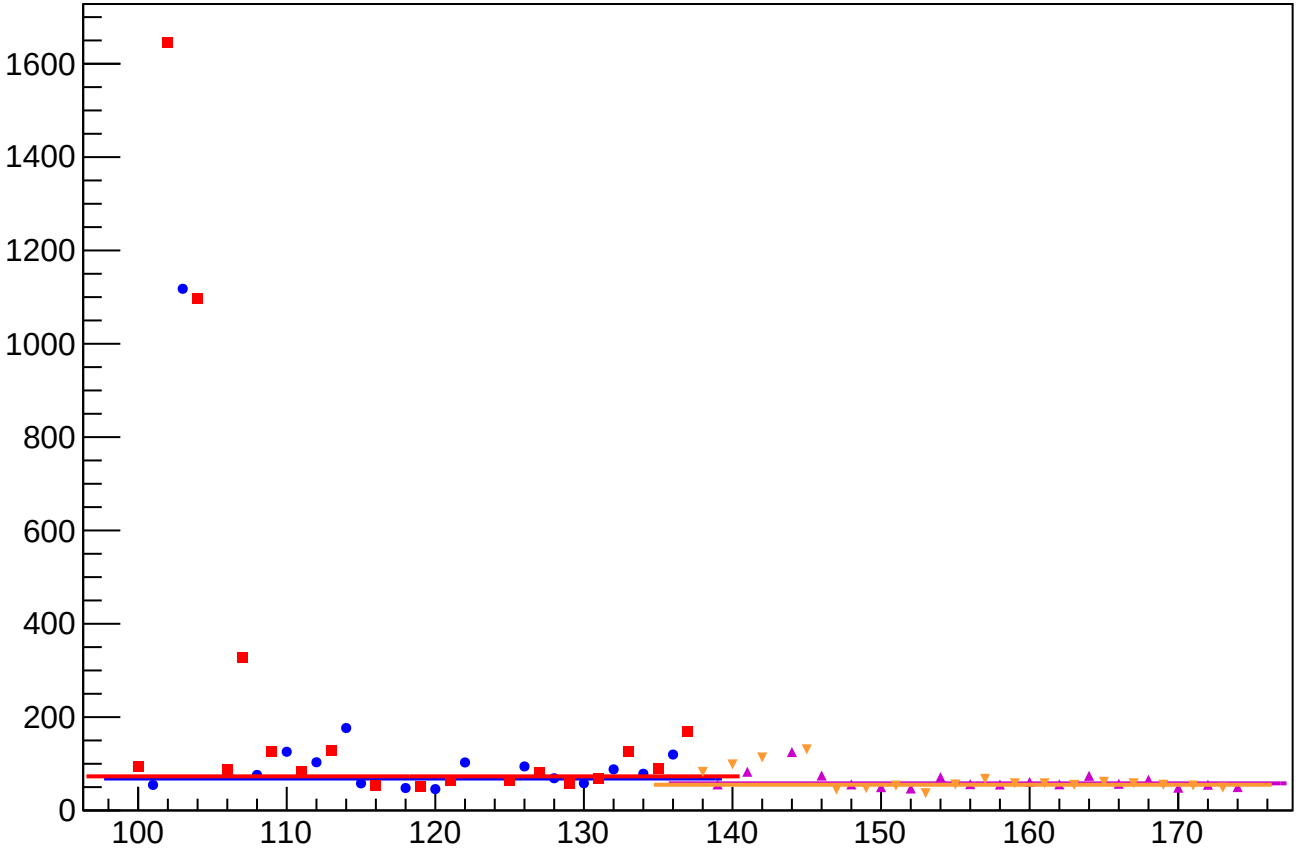
Left In: -0.002+/-0.017 χ^2/NDF:13.1/17

+ sign 0.014+/-0.014 χ^2/NDF: 46.7/33

All: 0.008+/-0.010 χ^2/NDF: 71.1/69

- 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: 55.096+/-0.012 χ^2/NDF:1611827.6/17

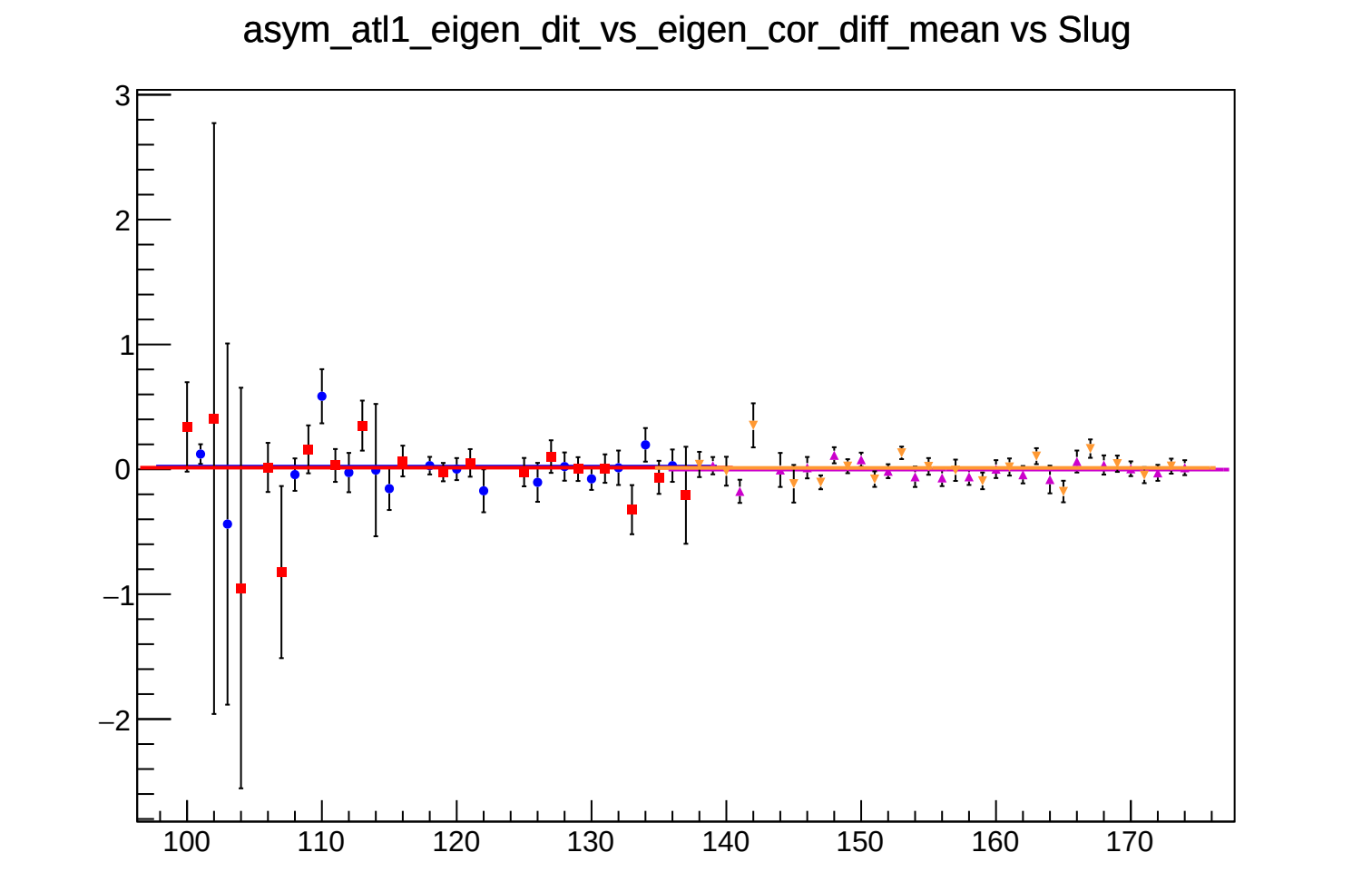
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 58.072+/-0.012 χ^2/NDF:1044450.7/17

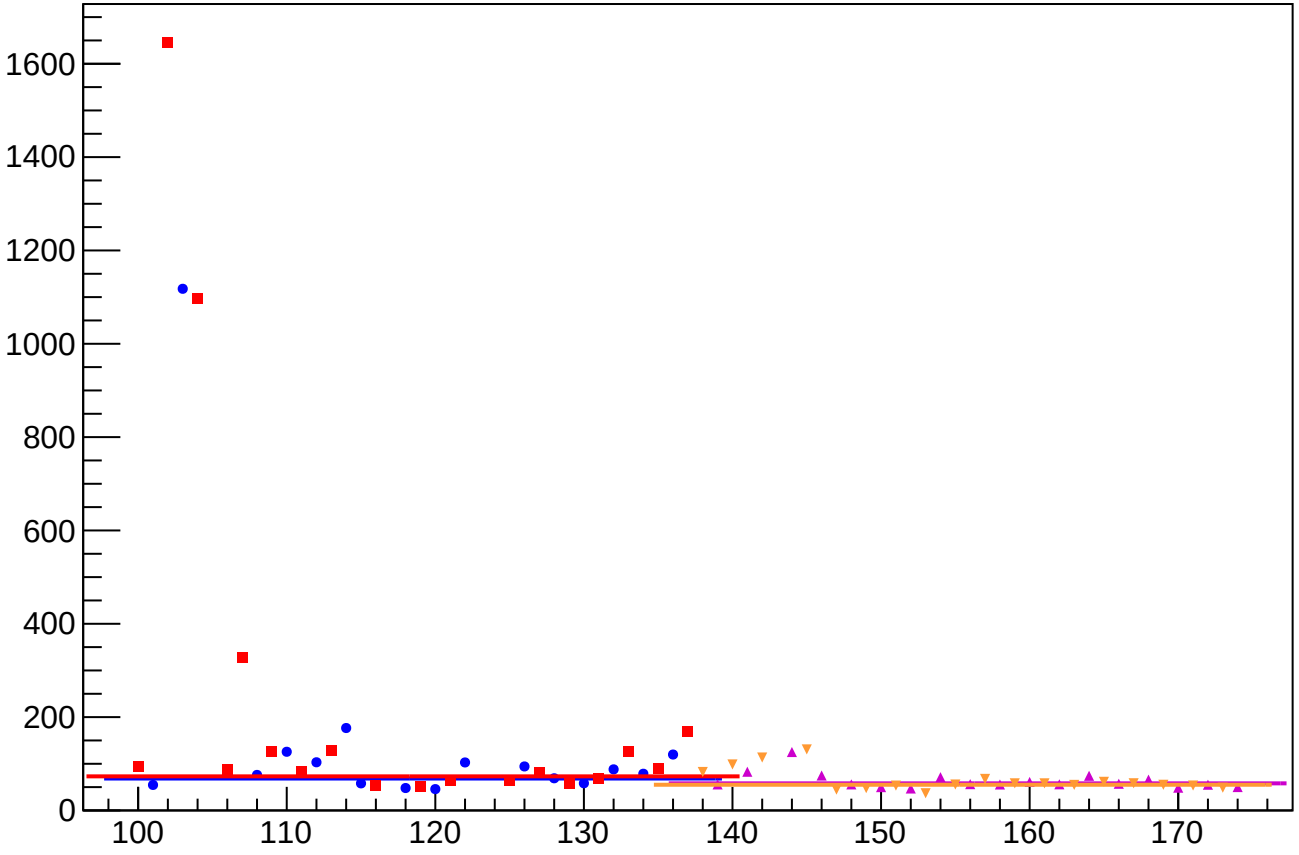
+ sign 58.176+/-0.010 χ^2/NDF: 4190750.3/33

All: 59.573+/-0.007 χ^2/NDF: 8508304.8/69

- sign 61.057+/-0.011 χ^2/NDF: 4279208.9/35


asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: 0.022+/-0.030 χ²/NDF: 14.8/15
Left Out: 0.012+/-0.017 χ²/NDF:31.8/17
Right Out: 0.013+/-0.033 χ²/NDF: 10.8/17
Left In: -0.002+/-0.017 χ²/NDF:13.1/17
+ sign 0.014+/-0.014 χ²/NDF: 46.7/33
All: 0.008+/-0.010 χ²/NDF: 71.1/69
- sign 0.001+/-0.015 χ²/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: 55.096+/-0.012 χ^2/NDF:1611827.6/17

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

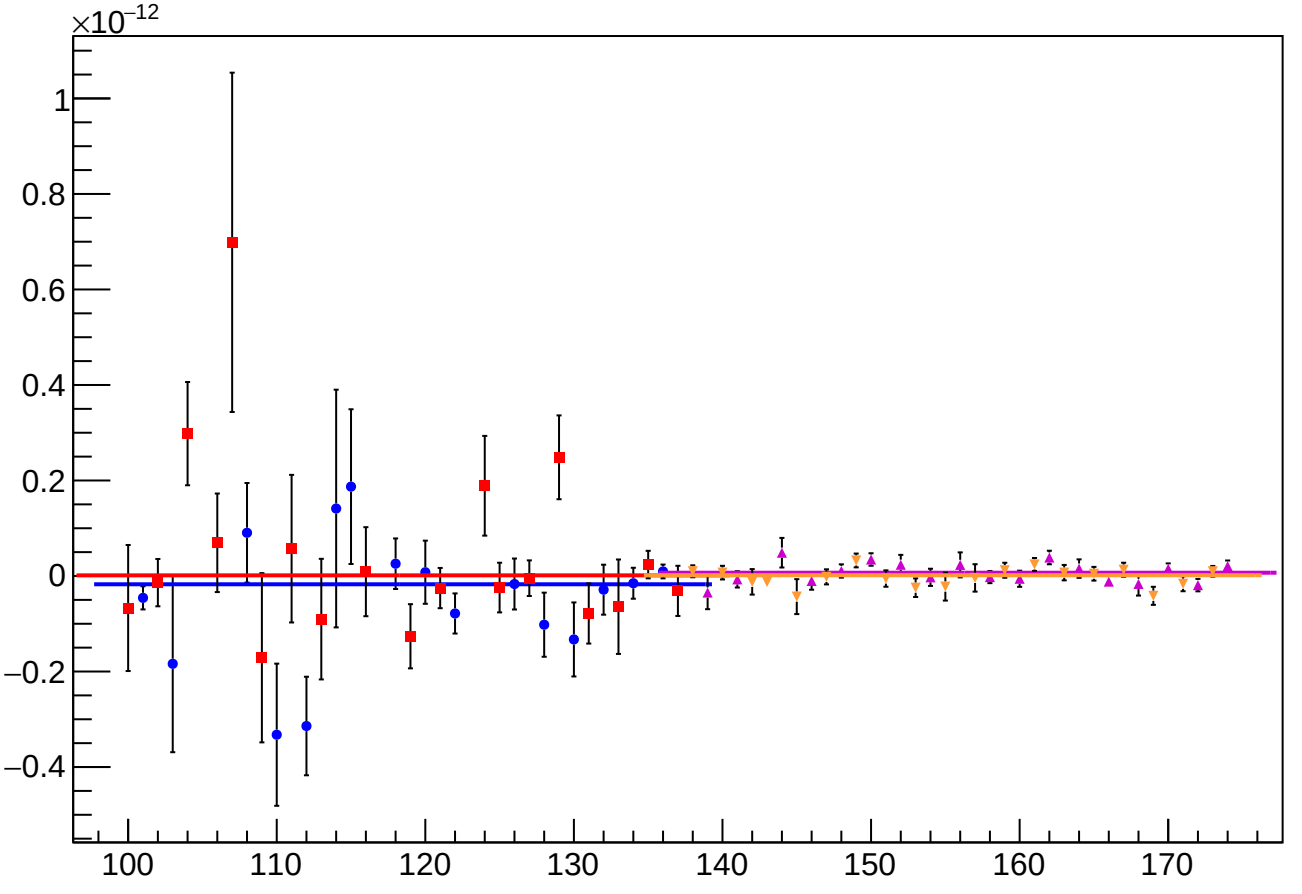
Left In: 58.072+/-0.012 χ^2/NDF:1044450.7/17

+ sign 58.176+/-0.010 χ^2/NDF: 4190750.3/33

All: 59.573+/-0.007 χ^2/NDF: 8508304.8/69

- 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:23.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

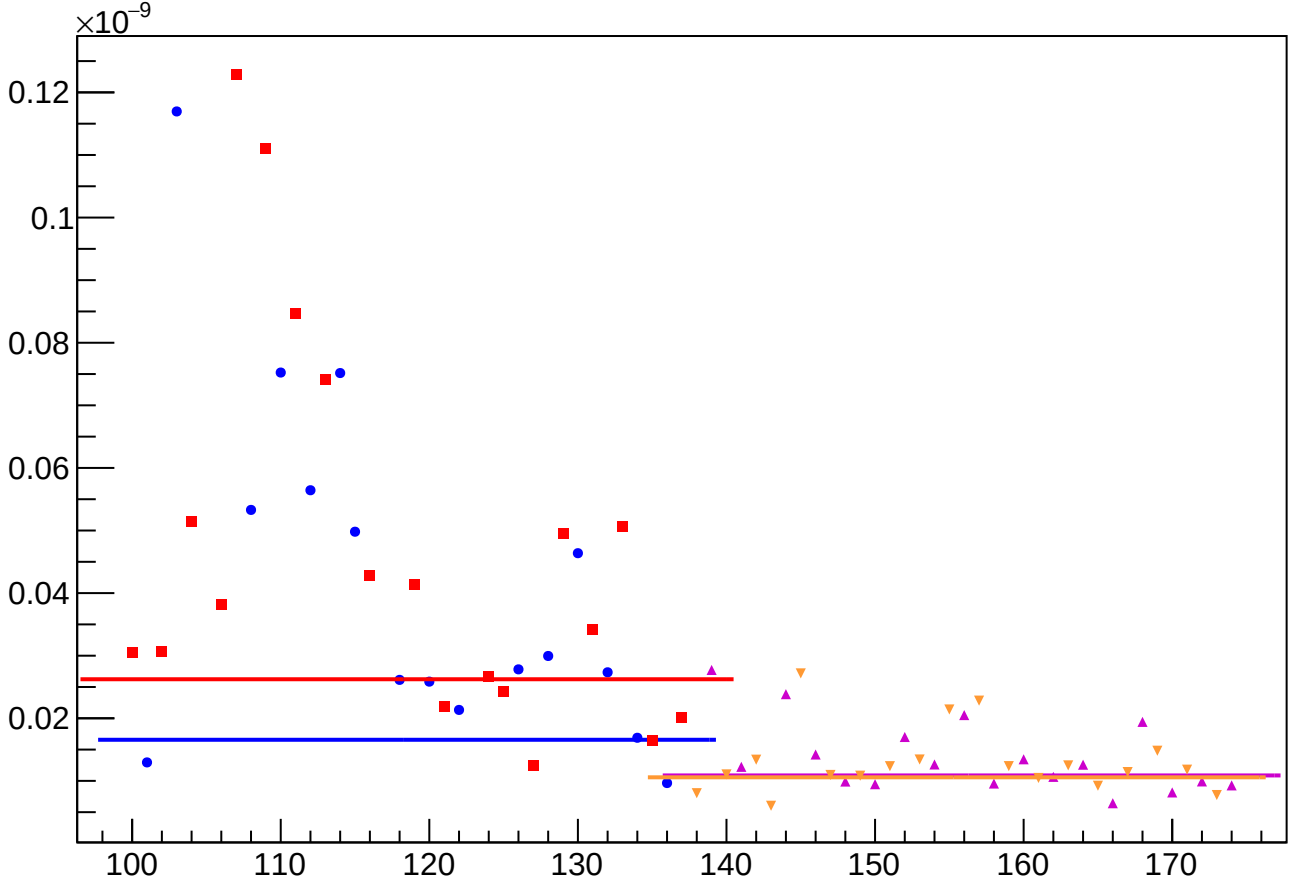
Left In: 0.000+/-0.000 χ^2/NDF:27.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 54.4/34

All: 0.000+/-0.000 χ^2/NDF: 116.2/71

- sign 0.000+/-0.000 χ^2/NDF: 59.6/36

asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2014589.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

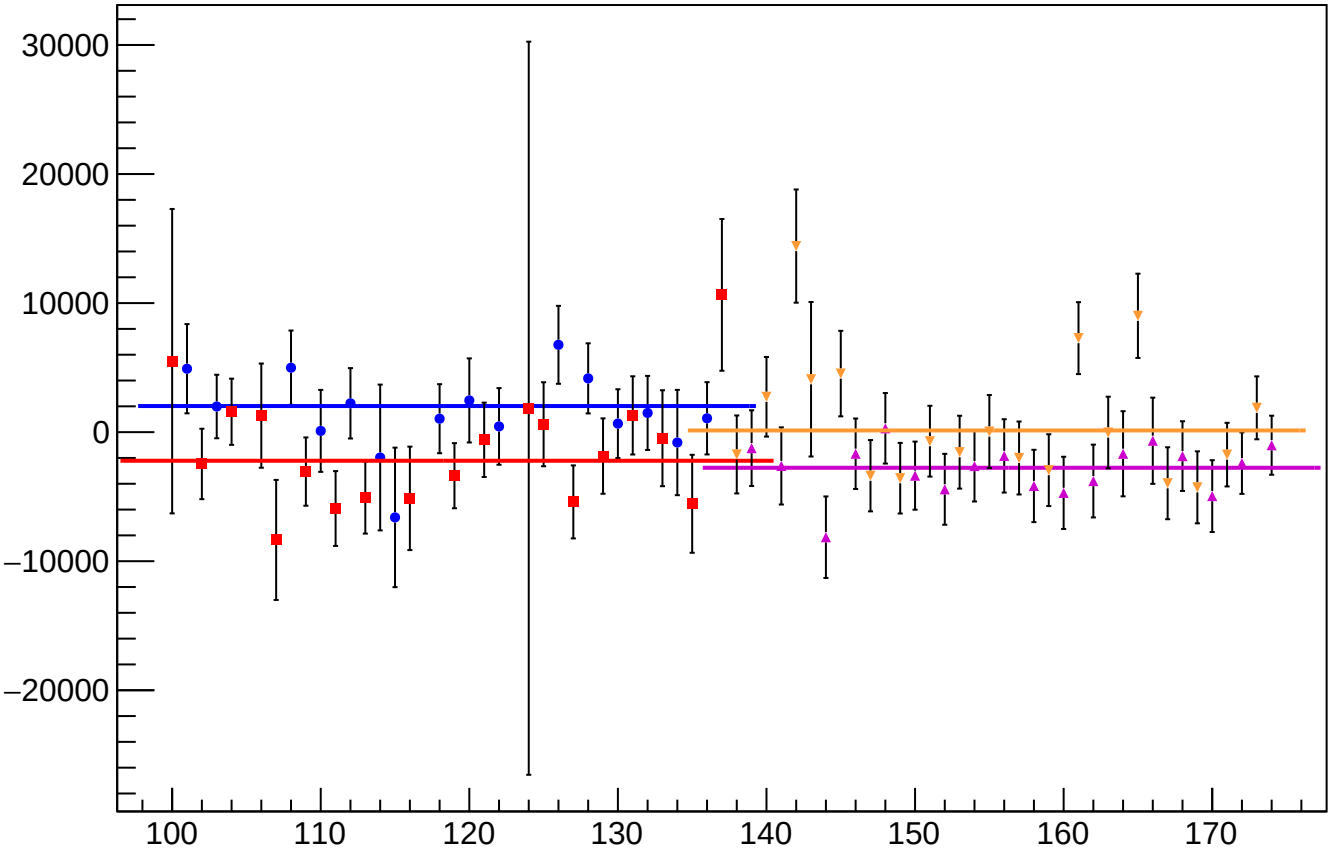
Left In: 0.000+/-0.000 χ^2/NDF:2273484.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 5478834.0/34

All: 0.000+/-0.000 χ^2/NDF: 12308243.0/71

- sign 0.000+/-0.000 χ^2/NDF: 6802114.0/36

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 131.970+/-669.583 χ^2/NDF:39.3/18

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

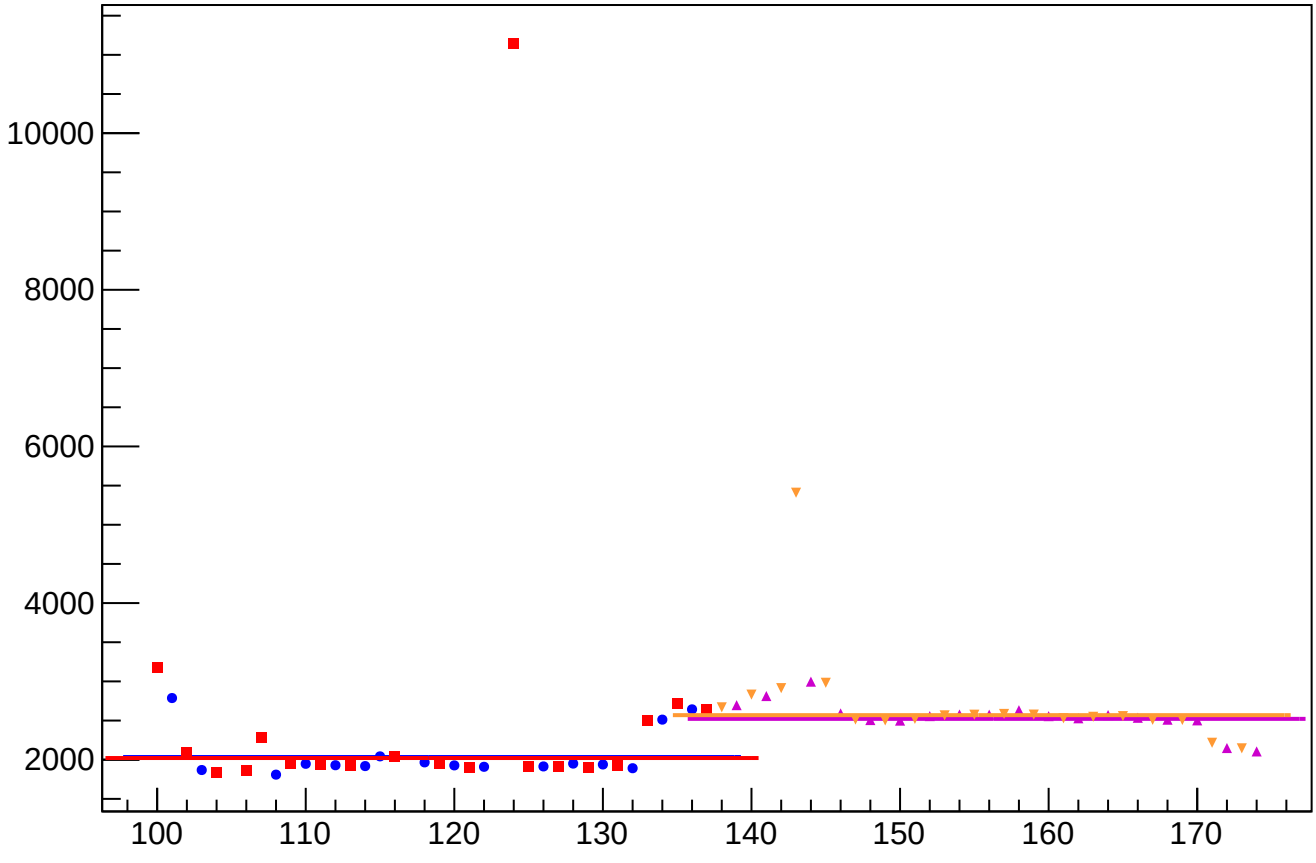
Left In: -2760.938+/-655.856 χ^2/NDF:7.8/17

+ sign 952.909+/-503.661 χ^2/NDF: 52.4/34

All: -815.906+/-353.203 χ^2/NDF: 102.9/71

- 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: 2568.962+/-0.473 χ^2/NDF:616778.4/18

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

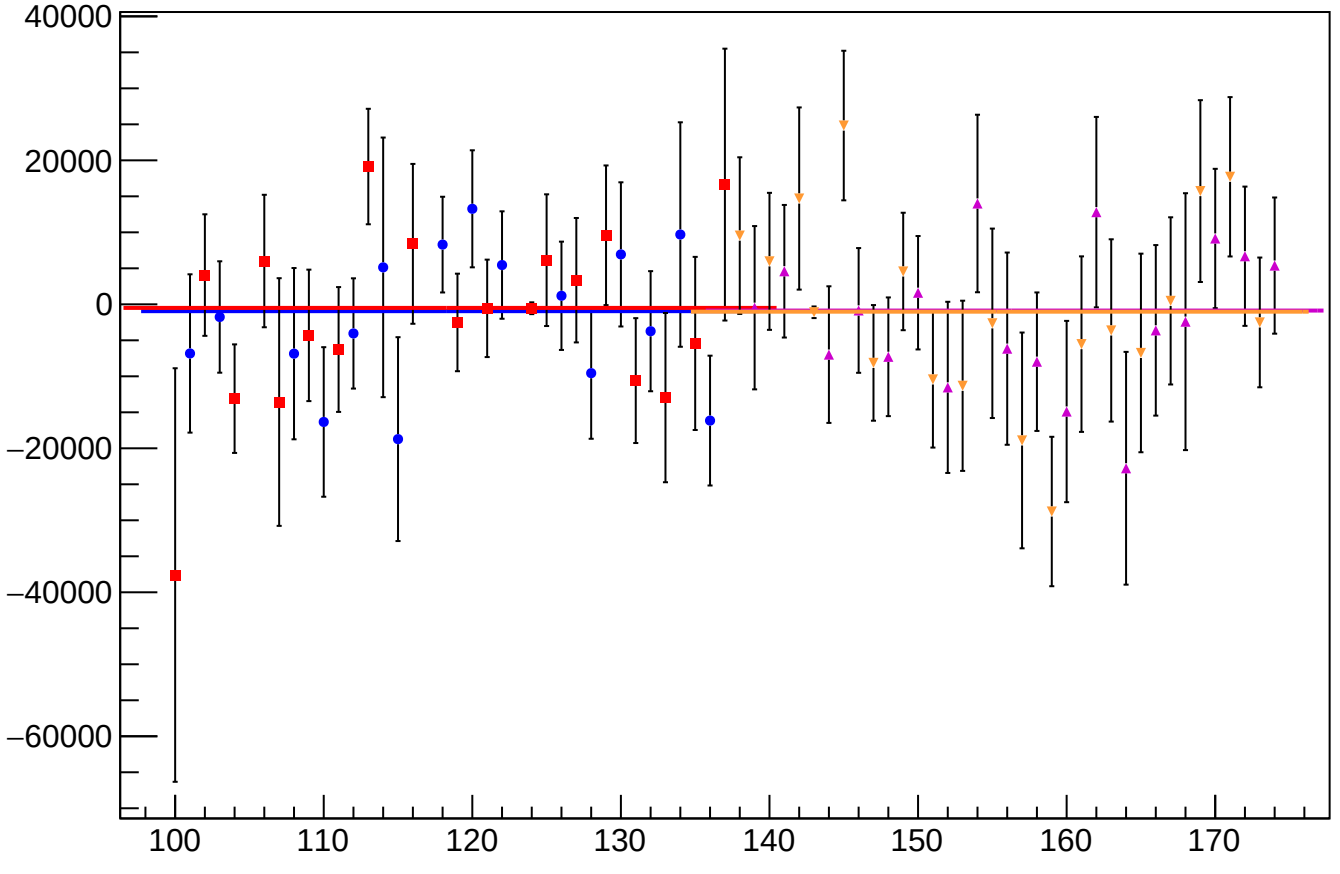
Left In: 2521.589+/-0.464 χ^2/NDF:193614.9/17

+ sign 2336.754+/-0.356 χ^2/NDF: 1433718.7/34

All: 2321.583+/-0.250 χ^2/NDF: 2520367.9/71

- 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: -1020.917+/-769.075 χ^2/NDF:25.8/18

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

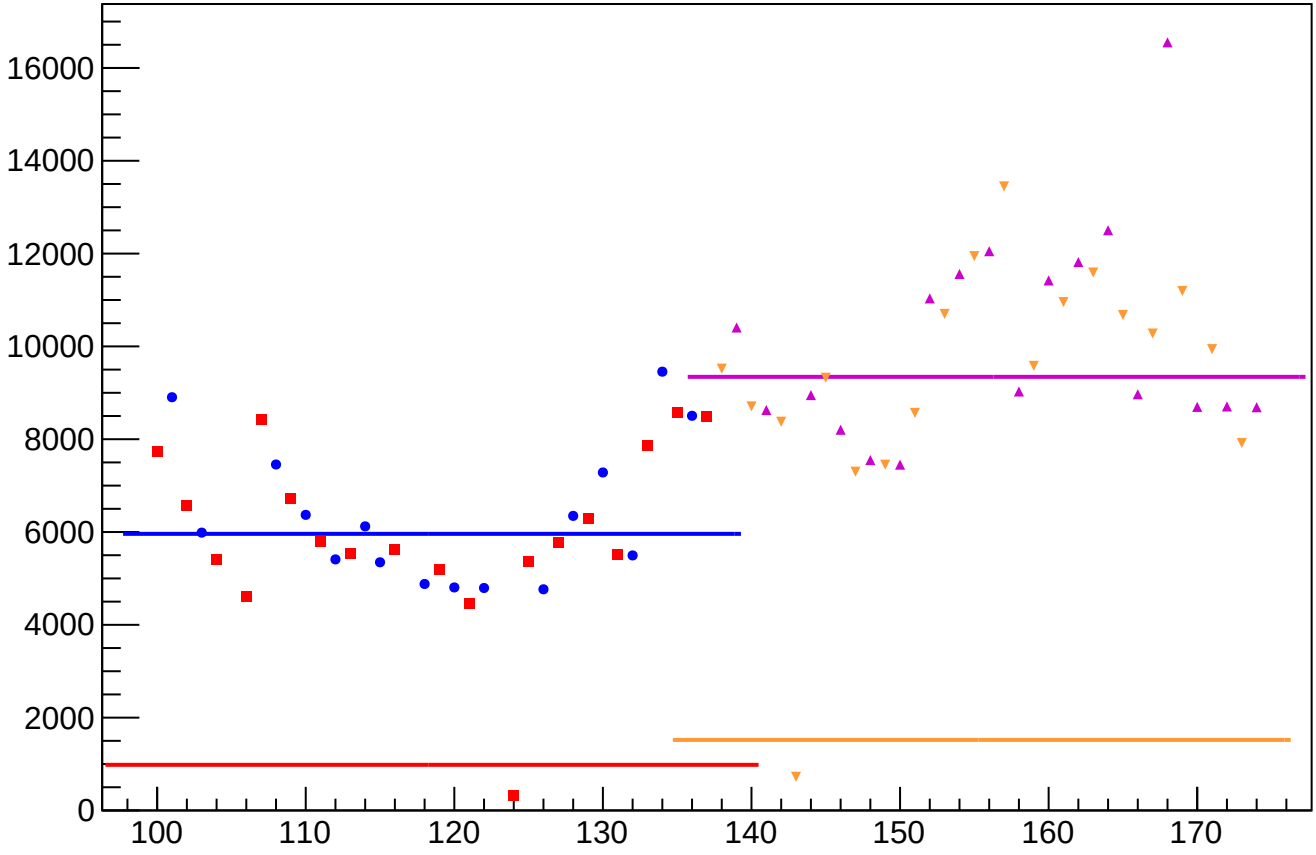
Left In: -866.826+/-2472.618 χ^2/NDF:10.8/17

+ sign -1013.717+/-728.686 χ^2/NDF: 41.2/34

All: -773.451+/-517.017 χ^2/NDF: 70.6/71

- sign -529.877+/-733.685 χ^2/NDF: 29.2/36

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1520.335+/-0.544 χ^2/NDF:21836810.6/18

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

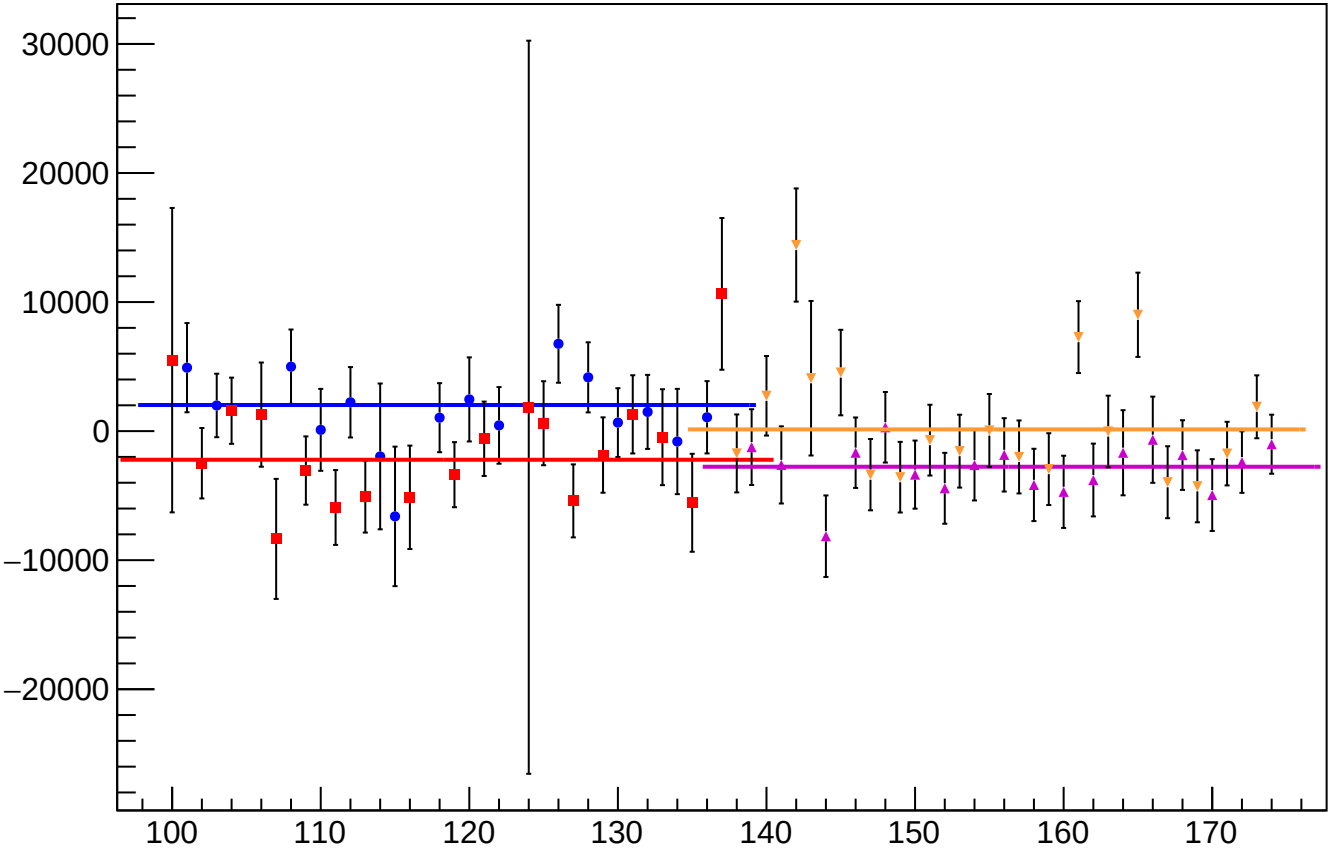
Left In: 9344.134+/-1.748 χ^2/NDF:1023624.4/17

+ sign 1974.484+/-0.515 χ^2/NDF: 29345072.7/34

All: 1847.837+/-0.366 χ^2/NDF: 62760928.4/7

- 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: 131.997+/-669.583 χ^2/NDF:39.3/18

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

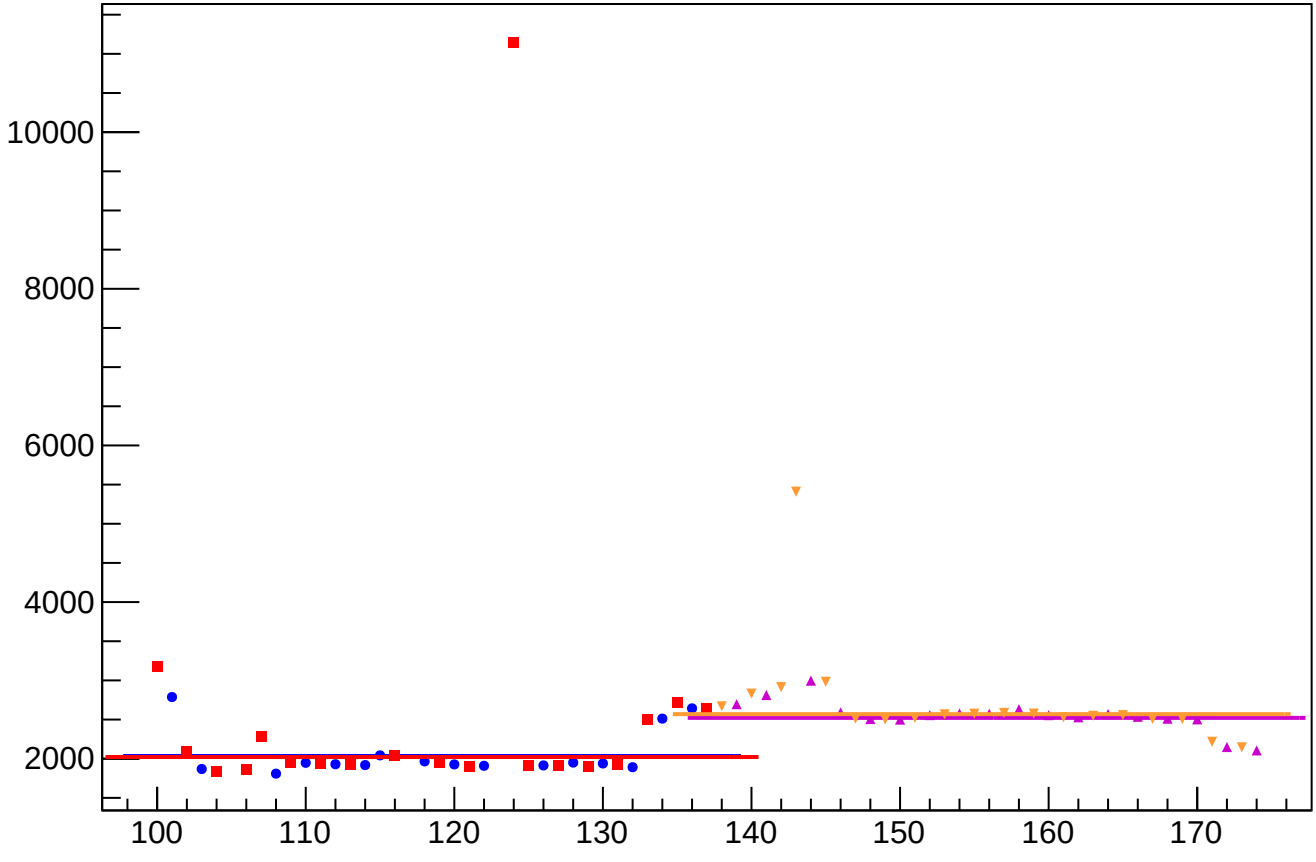
Left In: -2760.973+/-655.856 χ^2/NDF:7.8/17

+ sign 952.979+/-503.661 χ^2/NDF: 52.4/34

All: -816.277+/-353.204 χ^2/NDF: 102.9/71

- 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: 2568.962+/-0.473 χ^2/NDF:616778.4/18

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

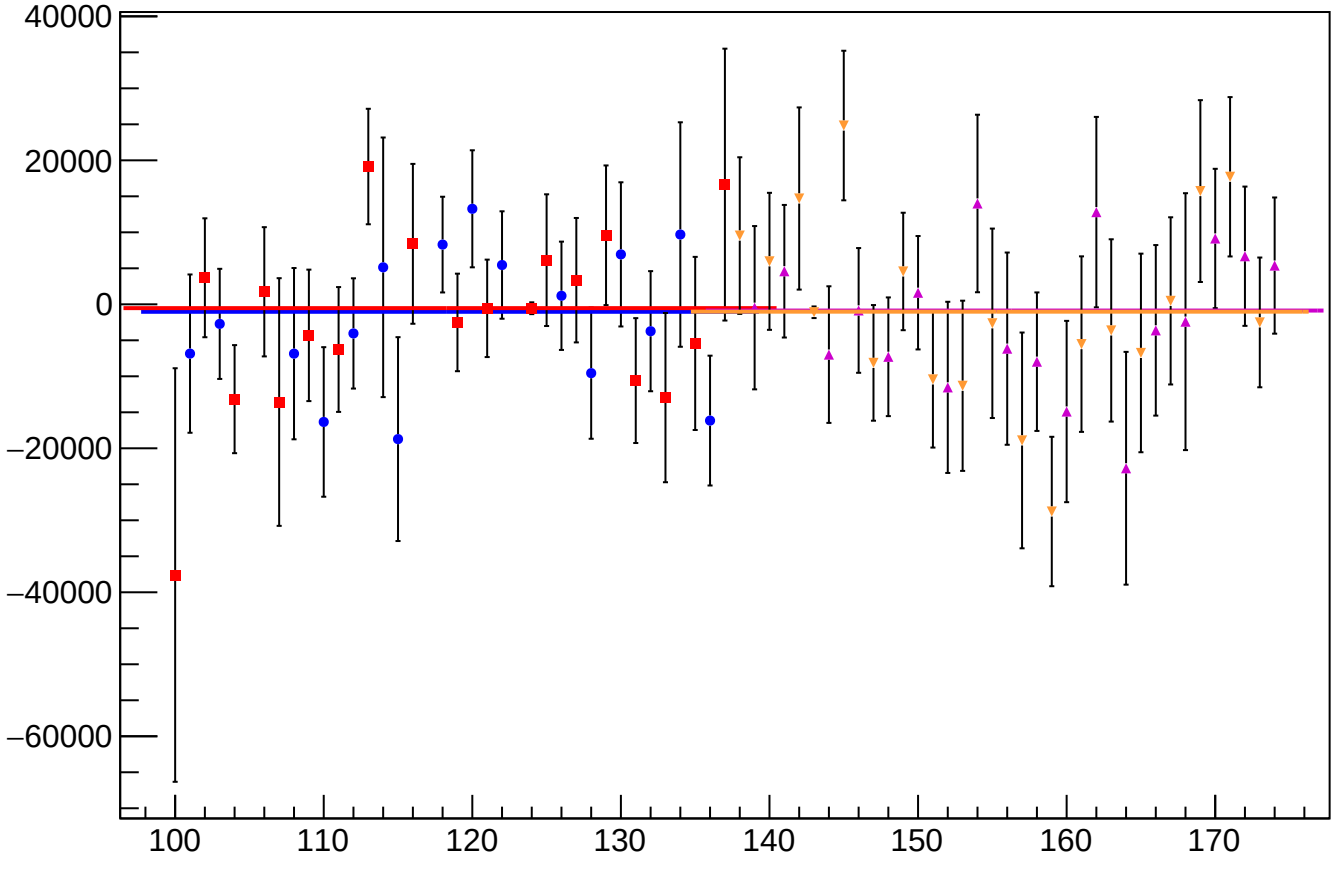
Left In: 2521.589+/-0.464 χ^2/NDF:193614.9/17

+ sign 2336.754+/-0.356 χ^2/NDF: 1433718.9/34

All: 2321.589+/-0.250 χ^2/NDF: 2520328.3/71

- 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: -1020.698+/-769.007 χ^2/NDF:25.8/18

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

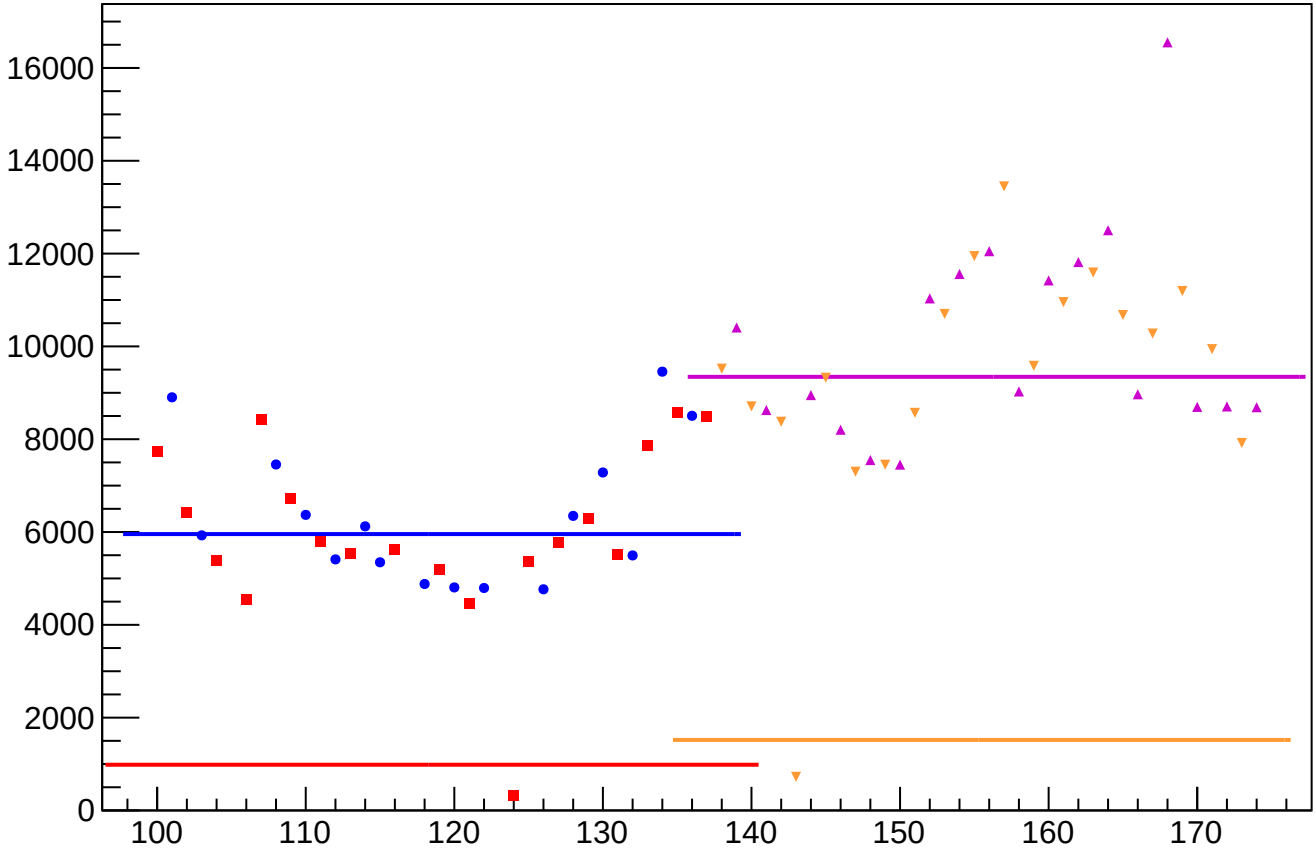
Left In: -866.933+/-2472.616 χ^2/NDF:10.8/17

+ sign -1022.464+/-728.551 χ^2/NDF: 41.2/34

All: -792.884+/-516.866 χ^2/NDF: 70.2/71

- 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: 1520.132+/-0.544 χ^2/NDF:21837523.1/18

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

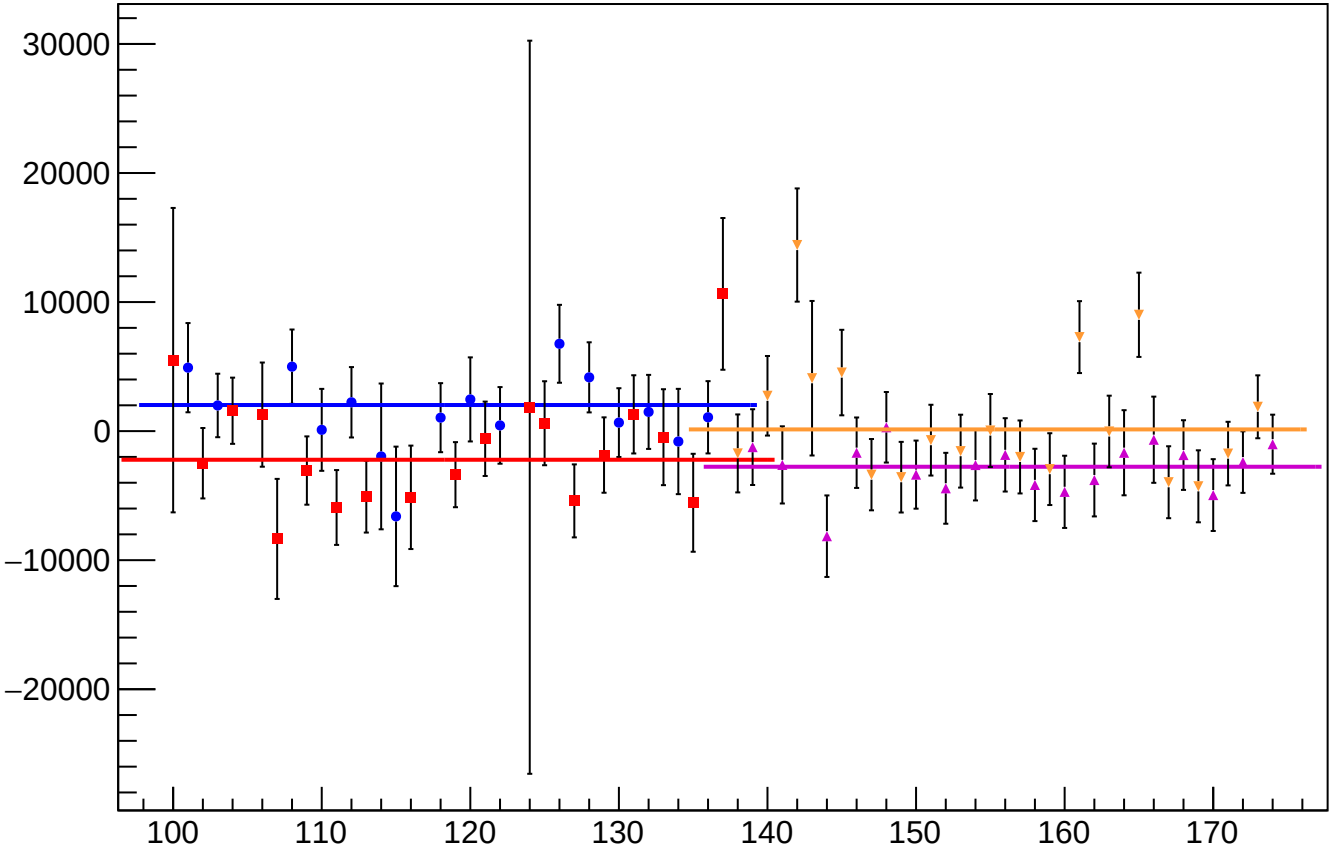
Left In: 9344.125+/-1.748 χ^2/NDF:1023631.3/17

+ sign 1974.545+/-0.515 χ^2/NDF: 29343176.5/34

All: 1848.328+/-0.365 χ^2/NDF: 62747373.7/7

- sign 1720.430+/-0.519 χ^2/NDF: 33283344.7/36

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 131.997+/-669.583 χ^2/NDF:39.3/18

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

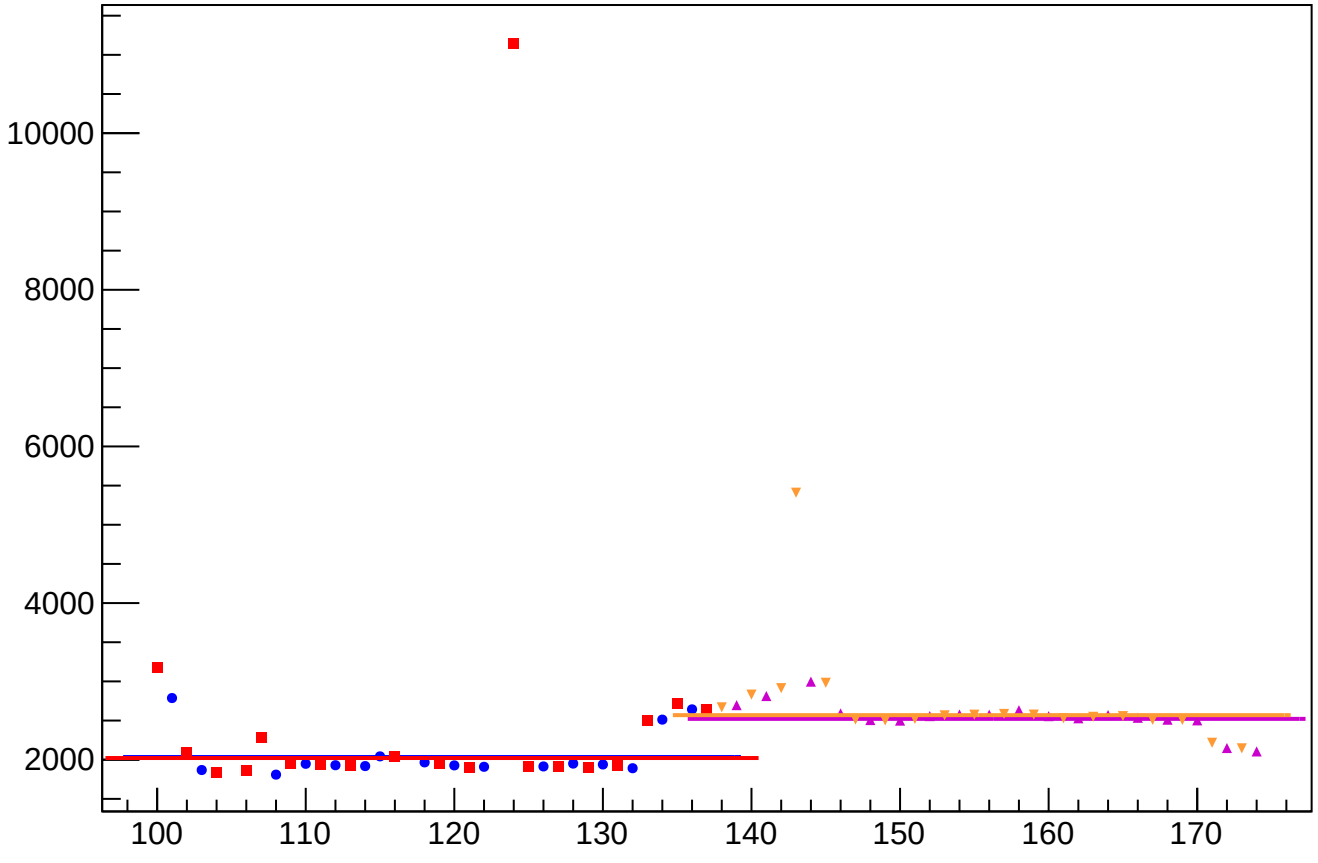
Left In: -2760.973+/-655.856 χ^2/NDF:7.8/17

+ sign 952.979+/-503.661 χ^2/NDF: 52.4/34

All: -816.277+/-353.204 χ^2/NDF: 102.9/71

- 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: 2568.962+/-0.473 χ^2/NDF:616778.4/18

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

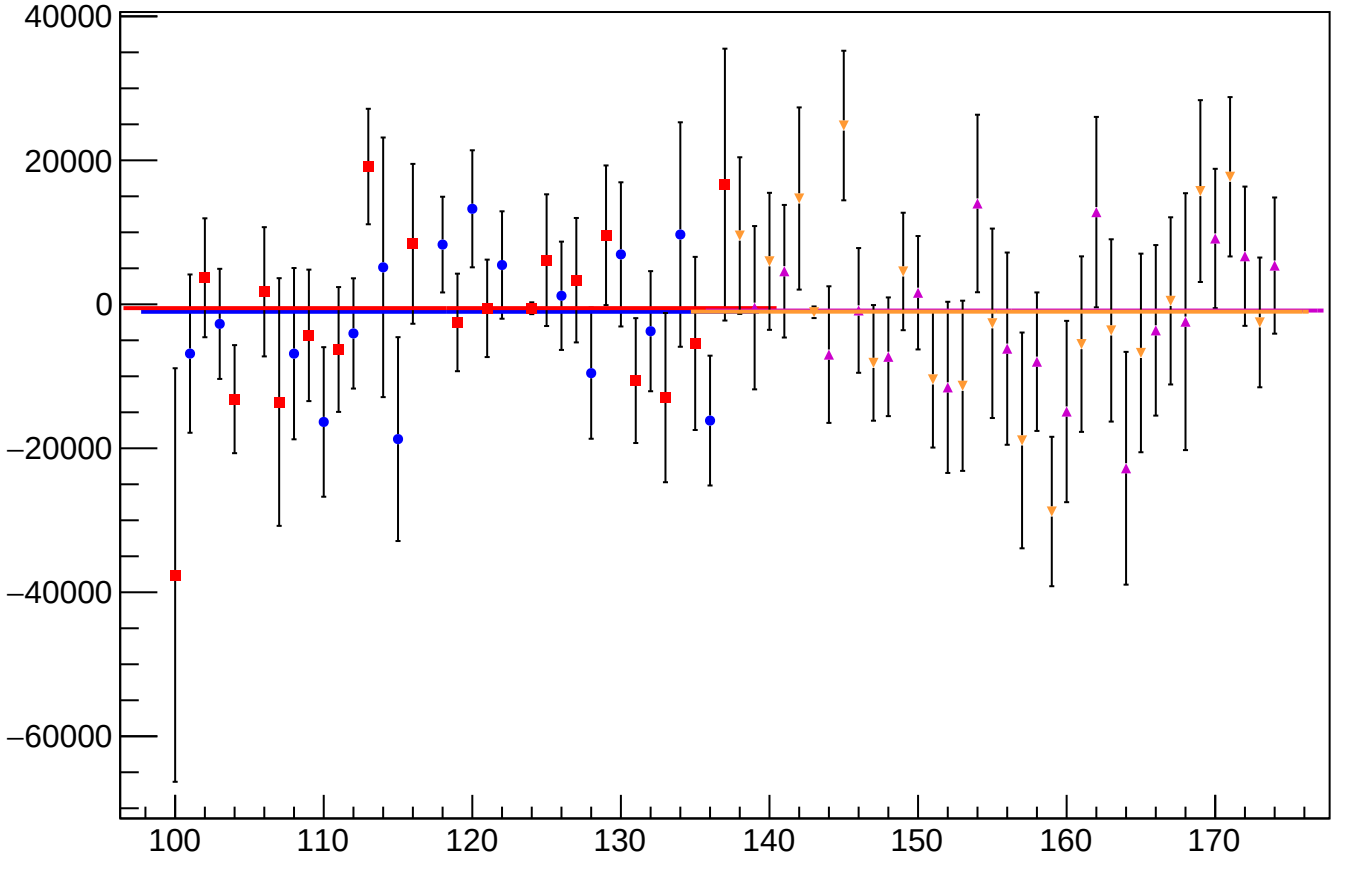
Left In: 2521.589+/-0.464 χ^2/NDF:193614.9/17

+ sign 2336.754+/-0.356 χ^2/NDF: 1433718.9/34

All: 2321.589+/-0.250 χ^2/NDF: 2520328.3/71

- 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: -1020.698+/-769.007 χ^2/NDF:25.8/18

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

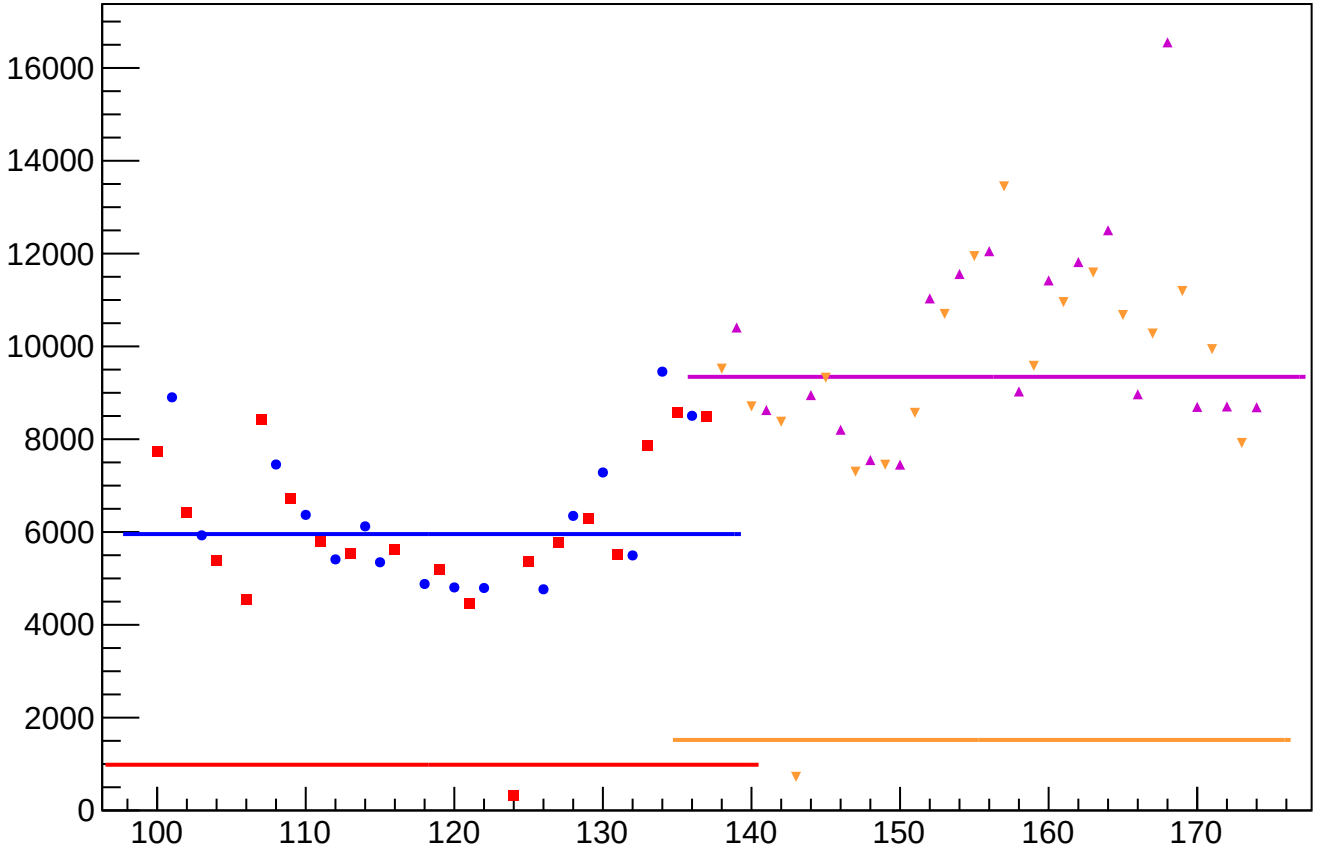
Left In: -866.933+/-2472.616 χ^2/NDF:10.8/17

+ sign -1022.464+/-728.551 χ^2/NDF: 41.2/34

All: -792.884+/-516.866 χ^2/NDF: 70.2/71

- sign -560.245+/-733.390 χ^2/NDF: 28.8/36

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1520.132+/-0.544 χ^2/NDF:21837523.1/18

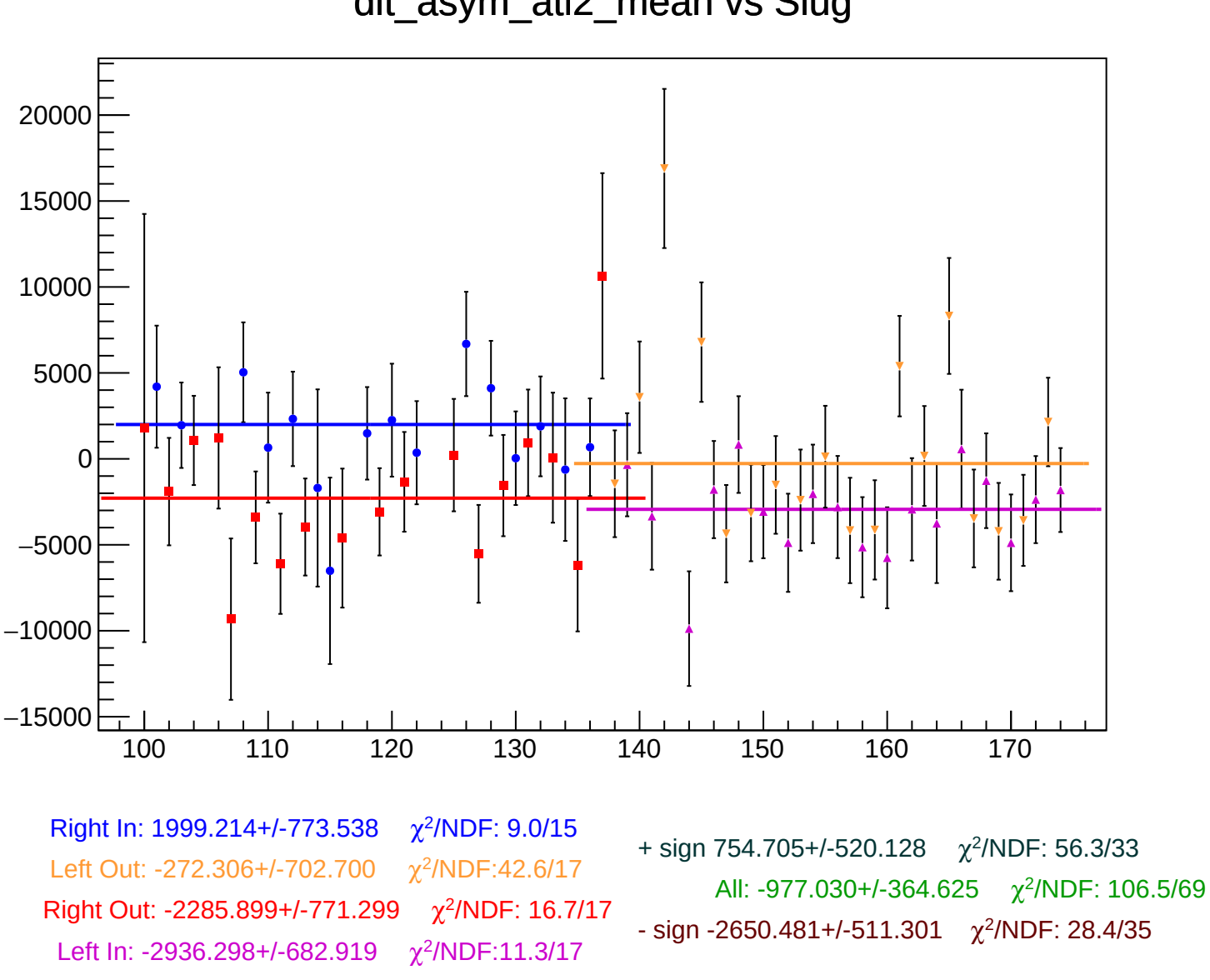
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9344.125+/-1.748 χ^2/NDF:1023631.3/17

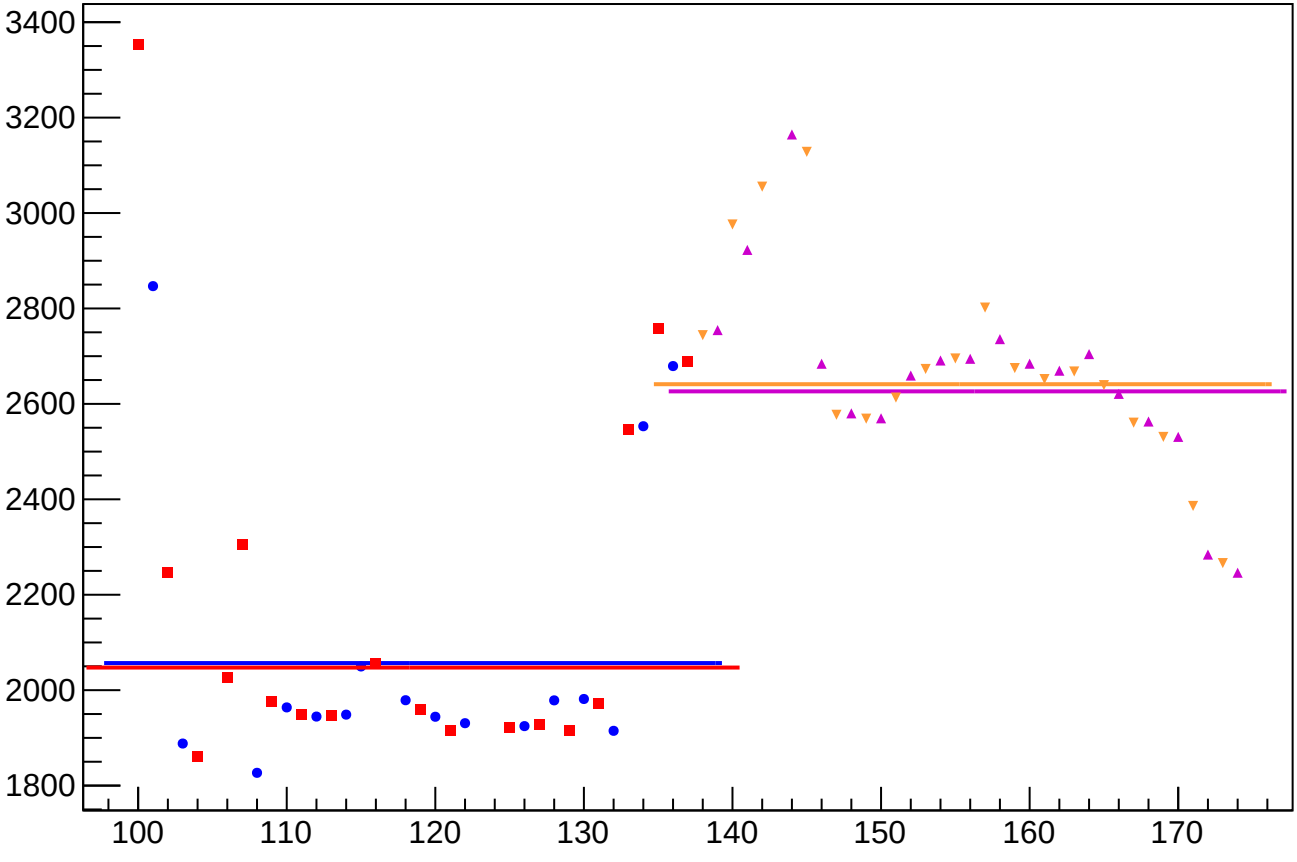
\+ sign 1974.545+/-0.515 χ^2/NDF: 29343176.5/34

All: 1848.328+/-0.365 χ^2/NDF: 62747373.7/7

\- sign 1720.430+/-0.519 χ^2/NDF: 33283344.7/36


dit_asym_atl2_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 1999.214+/-773.538 χ²/NDF: 9.0/15
Left Out: -272.306+/-702.700 χ²/NDF:42.6/17
Right Out: -2285.899+/-771.299 χ²/NDF: 16.7/17
Left In: -2936.298+/-682.919 χ²/NDF:11.3/17
+ sign 754.705+/-520.128 χ²/NDF: 56.3/33
All: -977.030+/-364.625 χ²/NDF: 106.5/69
- sign -2650.481+/-511.301 χ²/NDF: 28.4/35

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2641.251+/-0.497 χ^2/NDF:153755.0/17

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

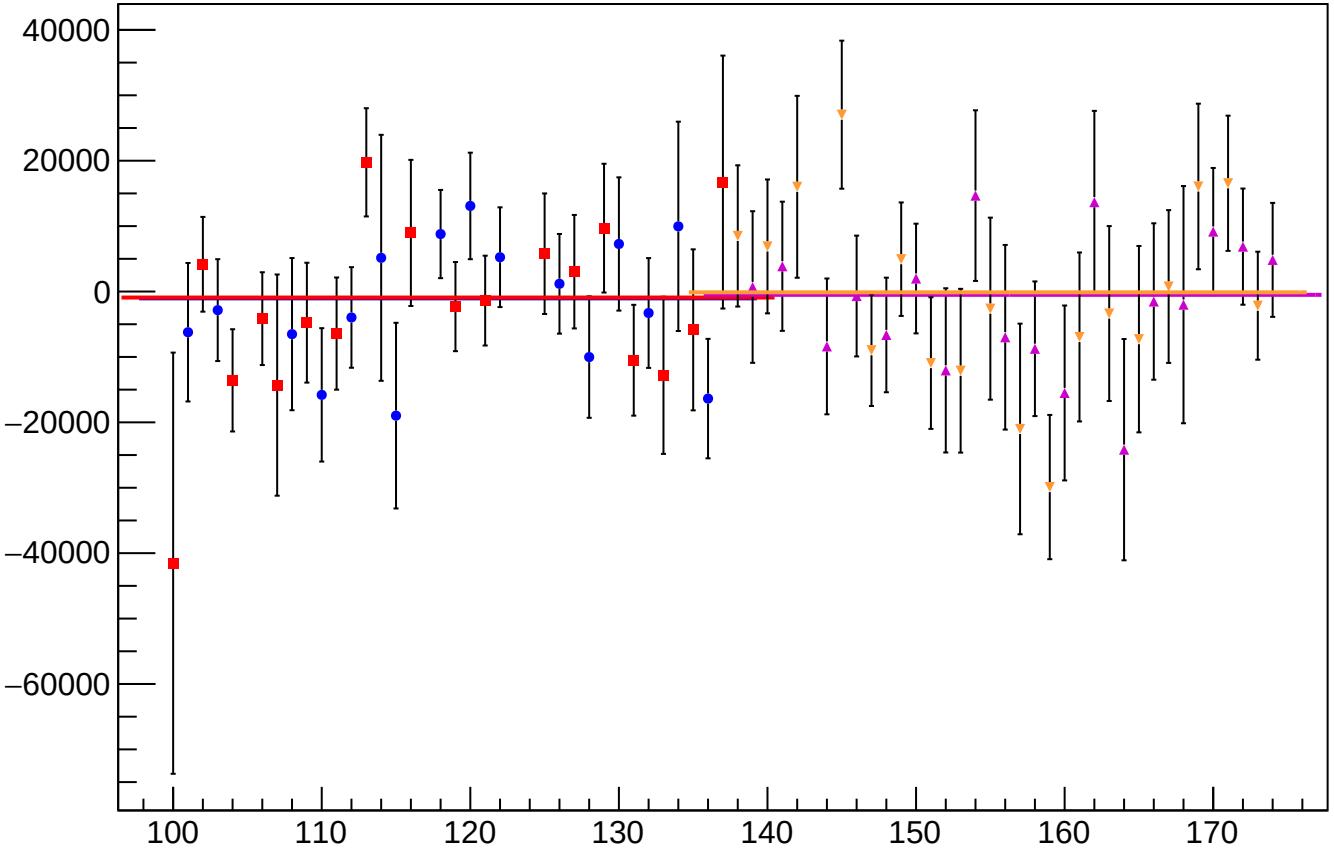
Left In: 2626.241+/-0.483 χ^2/NDF:171883.5/17

+ sign 2377.004+/-0.368 χ^2/NDF: 1049744.3/33

All: 2374.172+/-0.258 χ^2/NDF: 2050757.8/69

- 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: -123.511+/-2619.277 χ^2/NDF:25.6/17

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

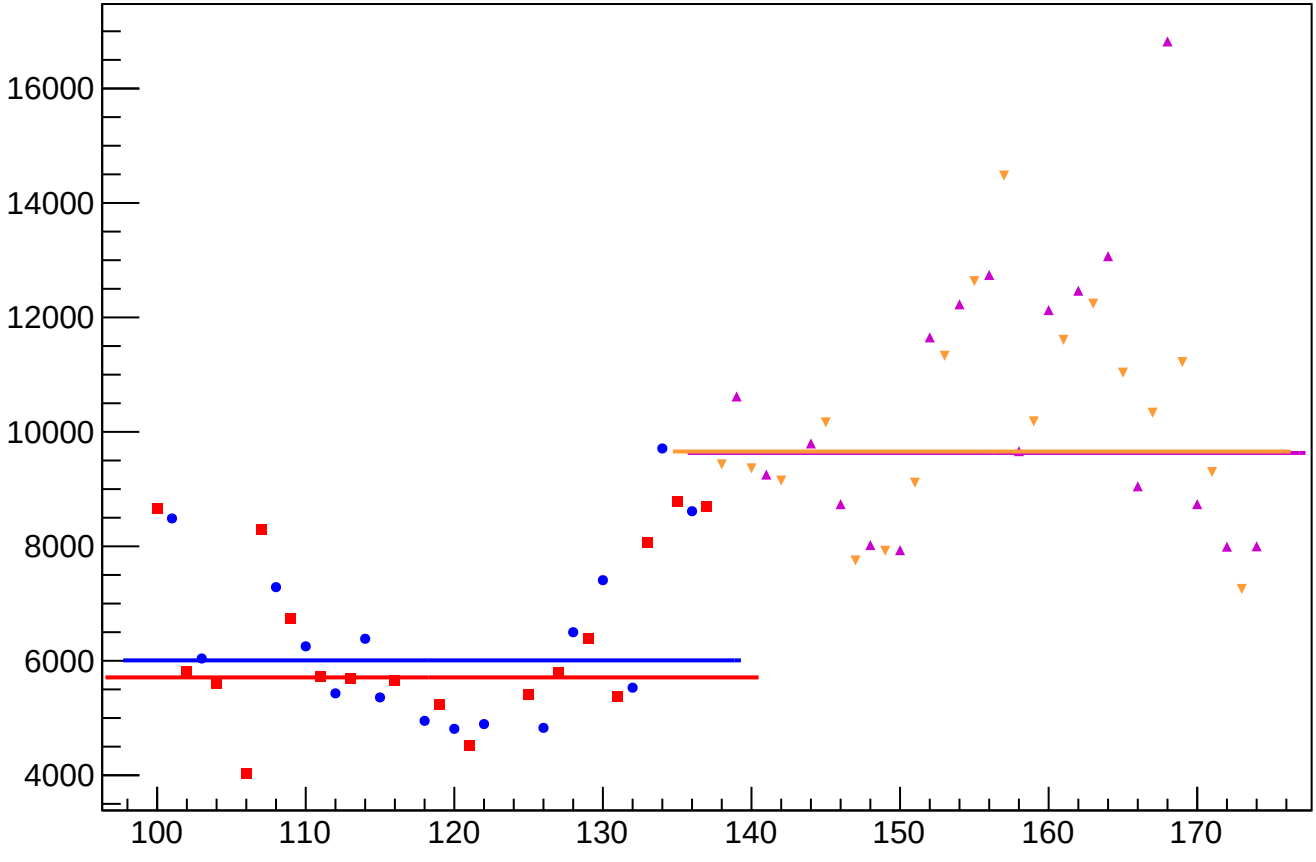
Left In: -505.442+/-2553.810 χ^2/NDF:10.7/17

+ sign -643.470+/-1725.973 χ^2/NDF: 41.0/33

All: -698.118+/-1190.842 χ^2/NDF: 70.1/69

- 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: 9657.127+/-1.852 χ^2/NDF:853732.1/17

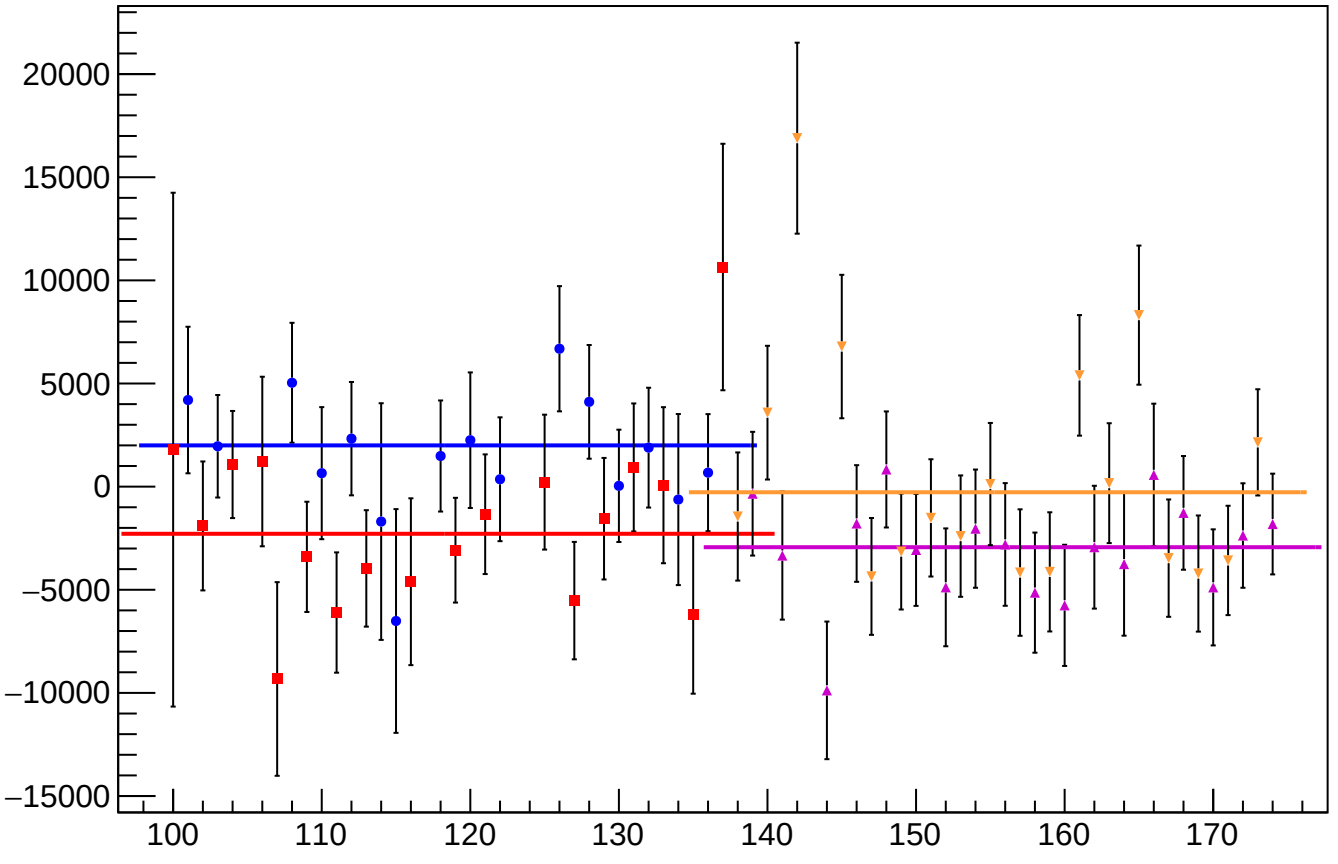
Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9632.290+/-1.806 χ^2/NDF:1123642.6/17

+ sign 7592.181+/-1.220 χ^2/NDF: 3704745.8/33

All: 7458.803+/-0.842 χ^2/NDF: 8147193.9/69

- sign 7337.625+/-1.163 χ^2/NDF: 4419653.5/35



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -272.311+/-702.700 χ^2/NDF:42.6/17

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

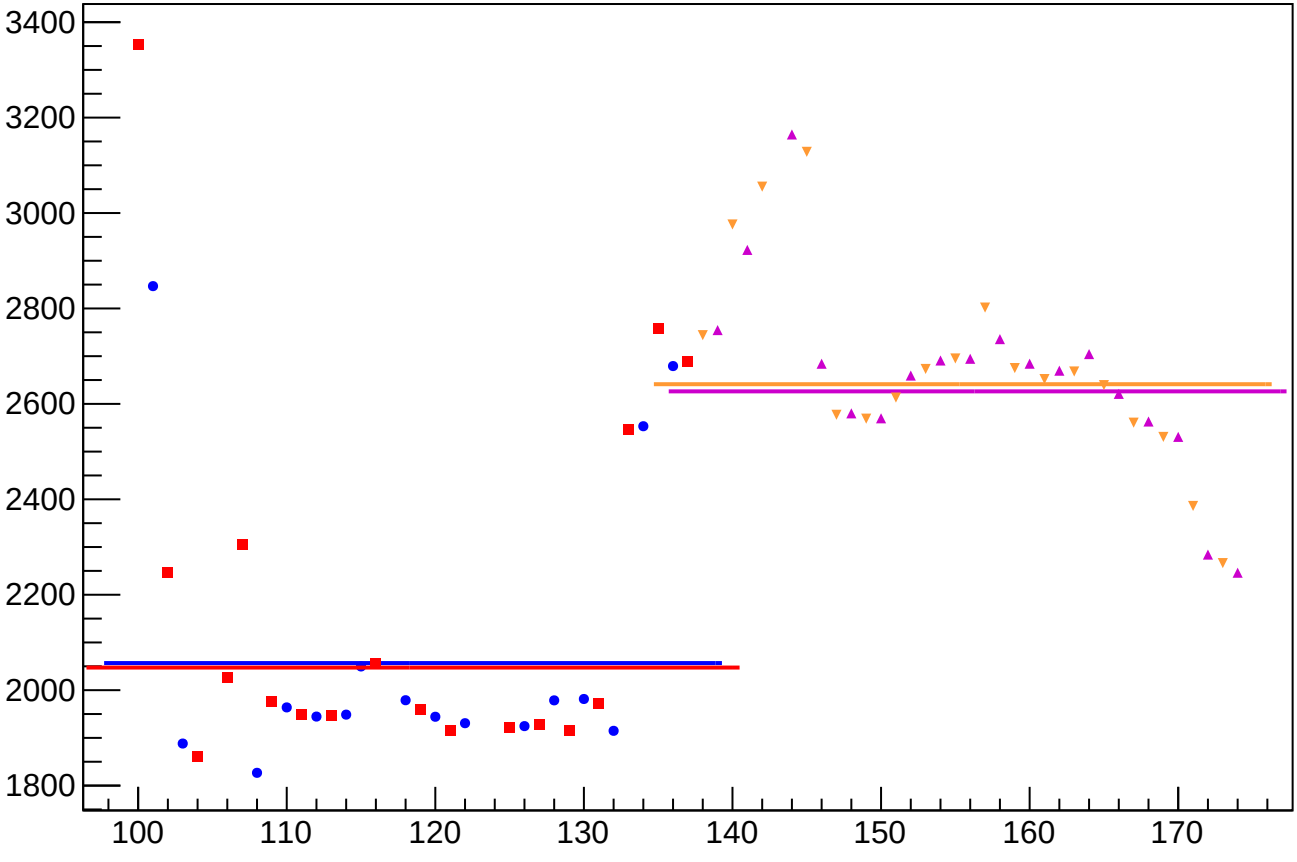
Left In: -2936.297+/-682.919 χ^2/NDF:11.3/17

+ sign 754.704+/-520.129 χ^2/NDF: 56.3/33

All: -977.030+/-364.625 χ^2/NDF: 106.5/69

- 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: 2641.251+/-0.497 χ^2/NDF:153761.9/17

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

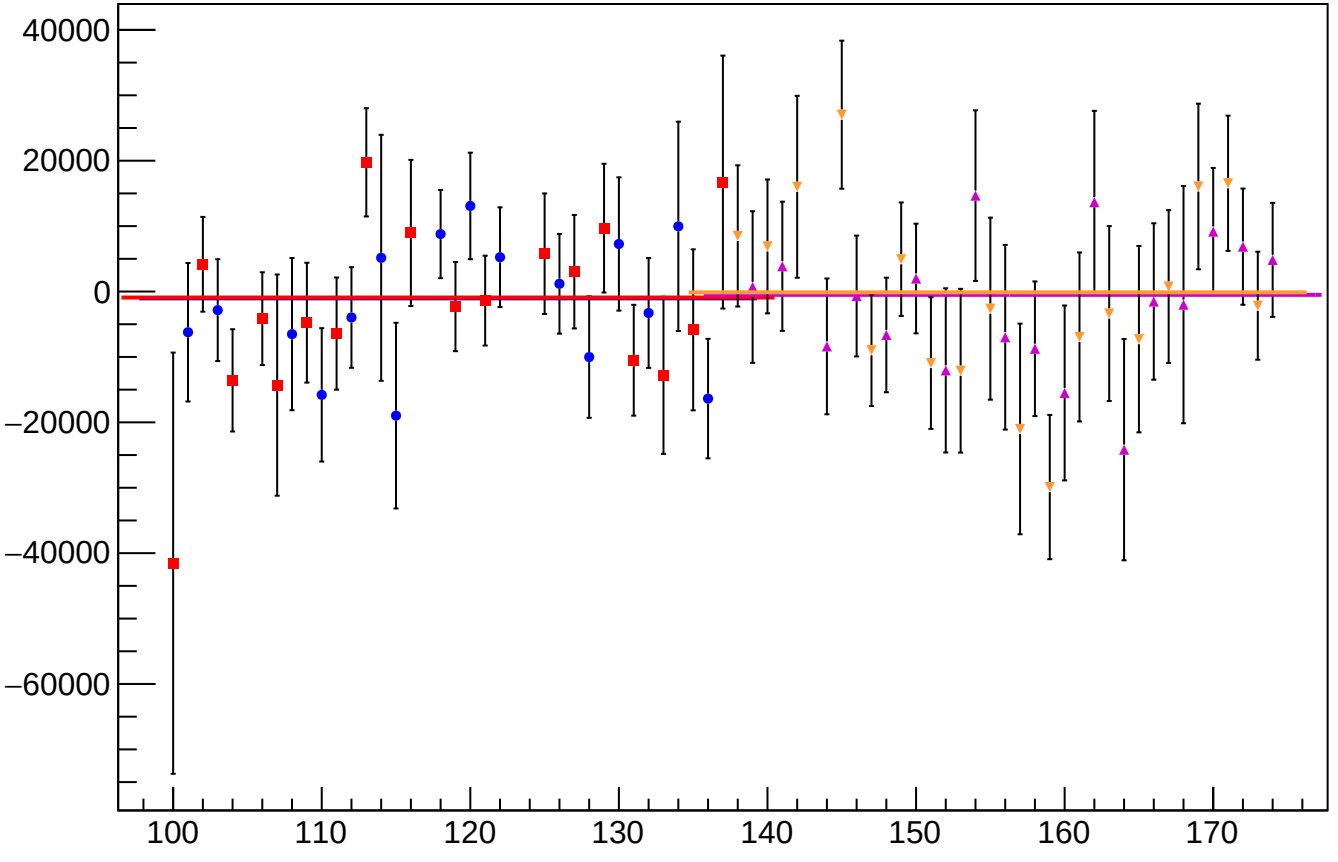
Left In: 2626.242+/-0.483 χ^2/NDF:171890.1/17

+ sign 2377.004+/-0.368 χ^2/NDF: 1049751.2/33

All: 2374.172+/-0.258 χ^2/NDF: 2050772.8/69

- 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: -123.520+/-2619.281 χ^2/NDF:25.6/17

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

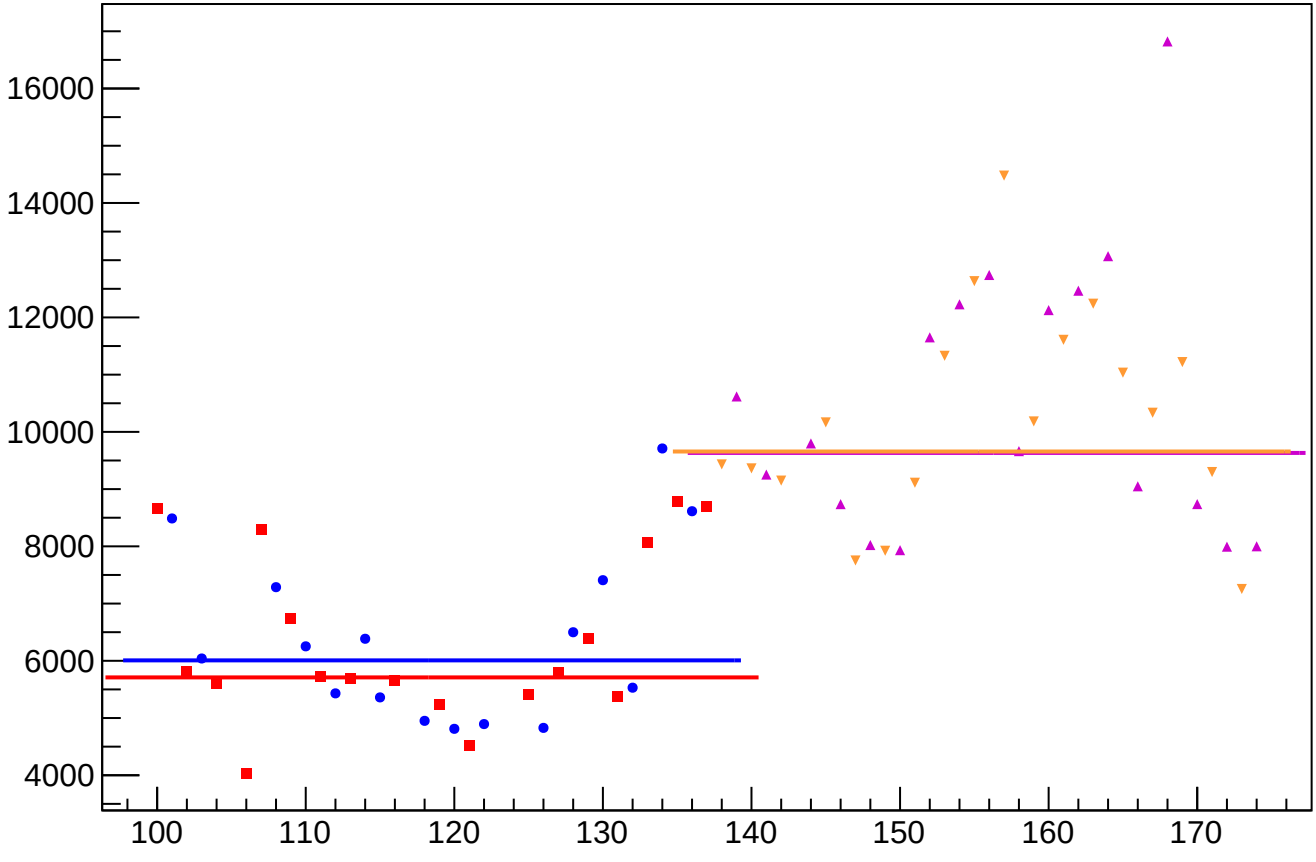
Left In: -505.442+/-2553.814 χ^2/NDF:10.7/17

+ sign -643.469+/-1725.971 χ^2/NDF: 41.0/33

All: -698.120+/-1190.841 χ^2/NDF: 70.1/69

- 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: 9657.144+/-1.852 χ^2/NDF:853731.6/17

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

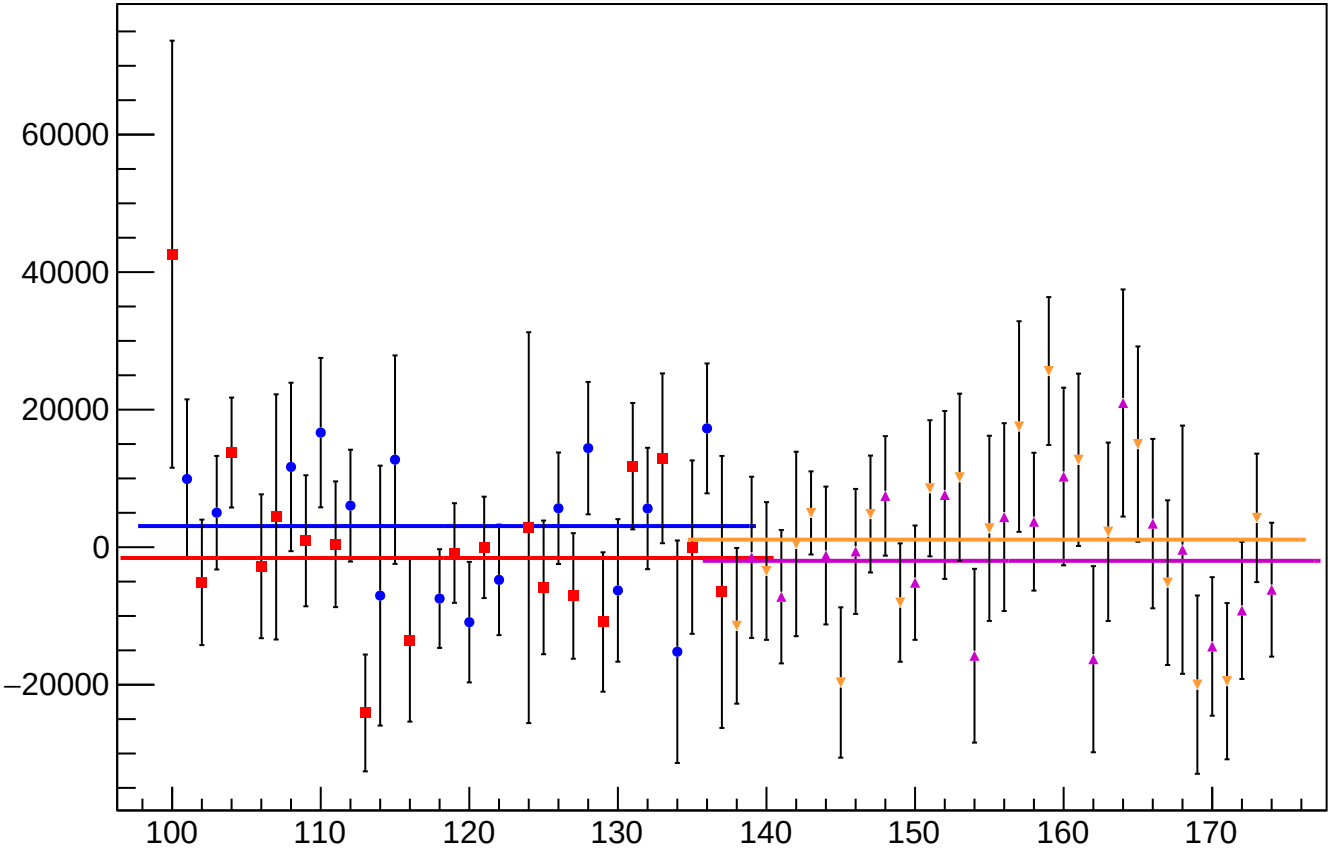
Left In: 9632.305+/-1.806 χ^2/NDF:1123642.9/17

+ sign 7592.169+/-1.220 χ^2/NDF: 3704798.9/33

All: 7458.791+/-0.842 χ^2/NDF: 8147297.9/69

- 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: 1098.816+/-2416.615 χ^2/NDF:22.4/18

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

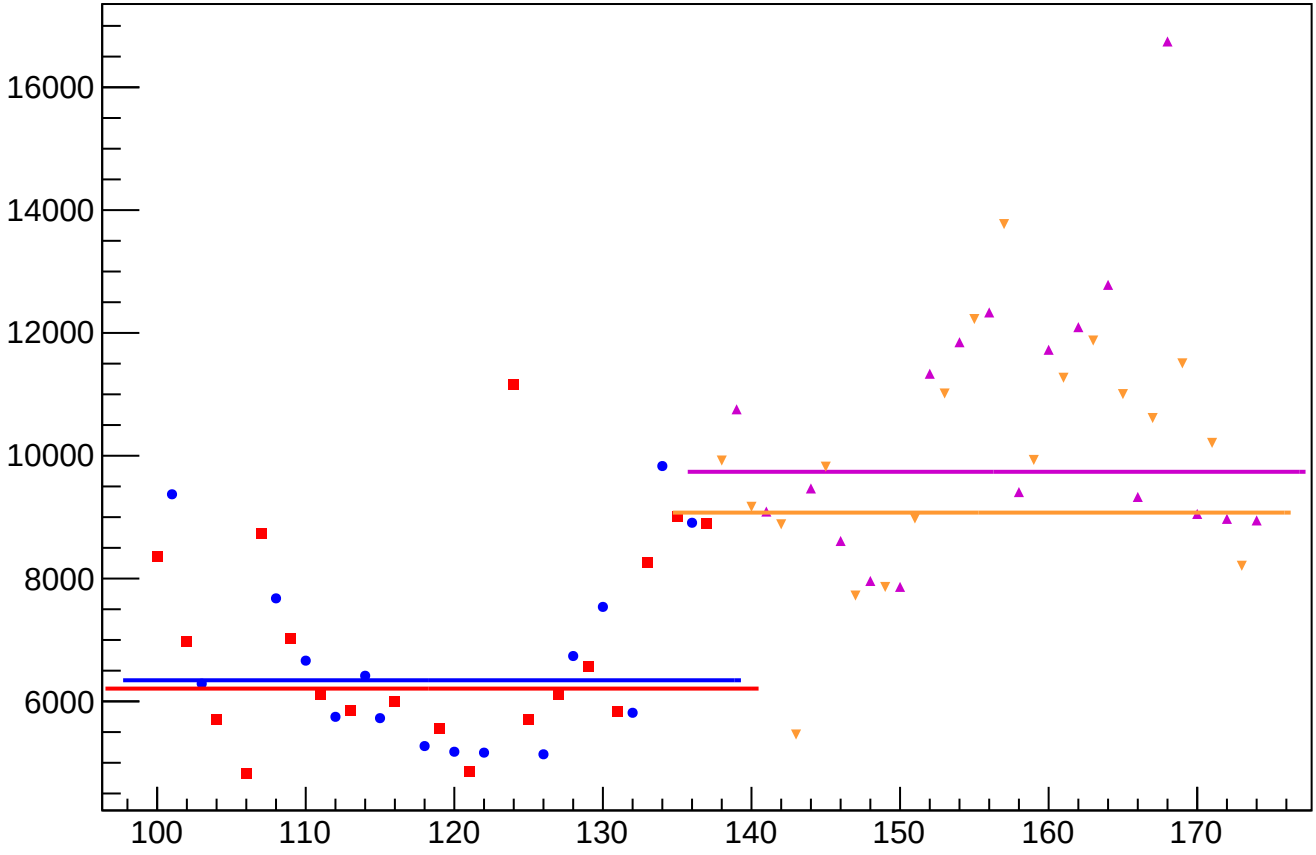
Left In: -1978.276+/-2571.344 χ^2/NDF:10.4/17

+ sign 2082.881+/-1710.255 χ^2/NDF: 37.6/34

All: 185.830+/-1215.900 χ^2/NDF: 69.7/71

- 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: 9074.062+/-1.709 χ^2/NDF:1520123.9/18

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

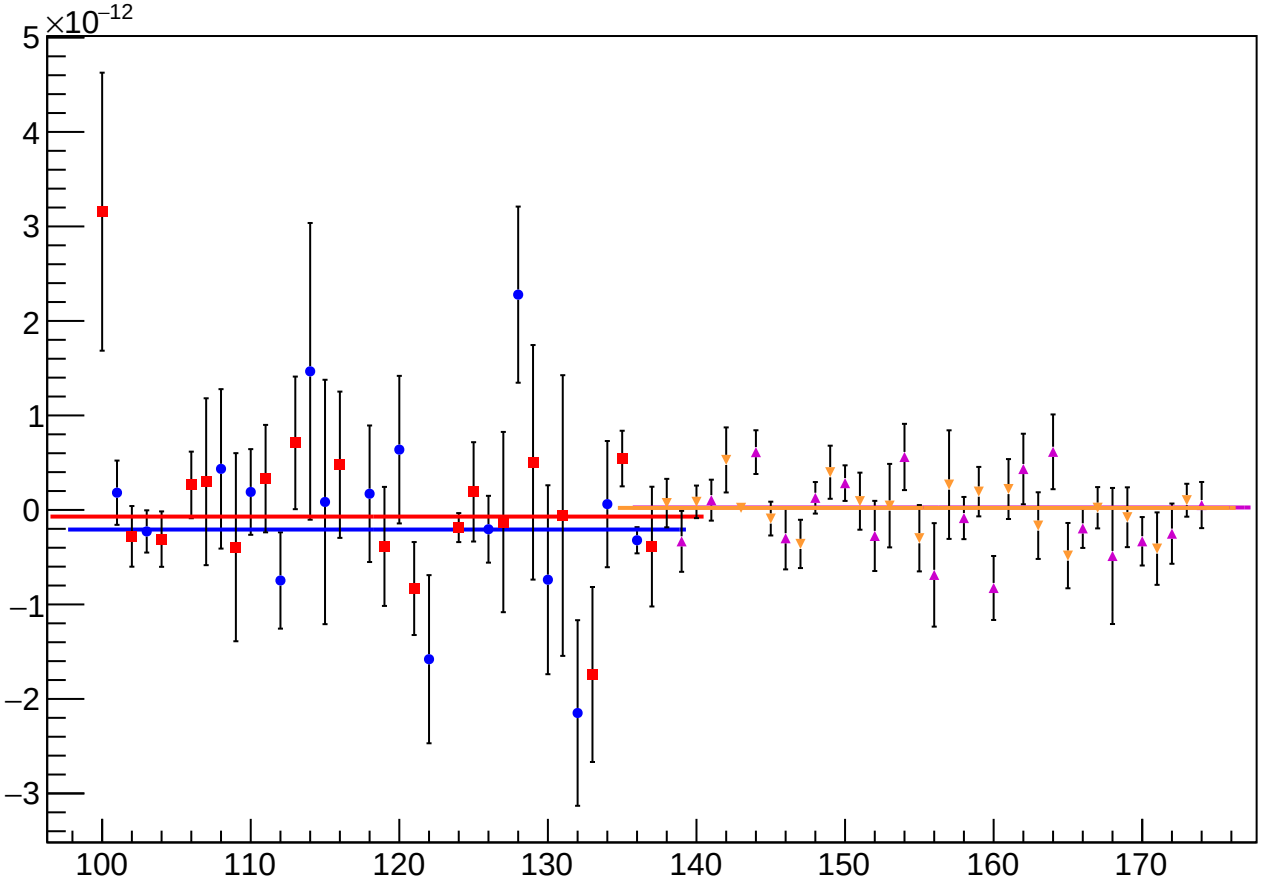
Left In: 9738.503+/-1.818 χ^2/NDF:919851.3/17

+ sign 7711.244+/-1.209 χ^2/NDF: 3415623.0/34

All: 7757.260+/-0.860 χ^2/NDF: 6875806.9/71

- 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:12.7/18

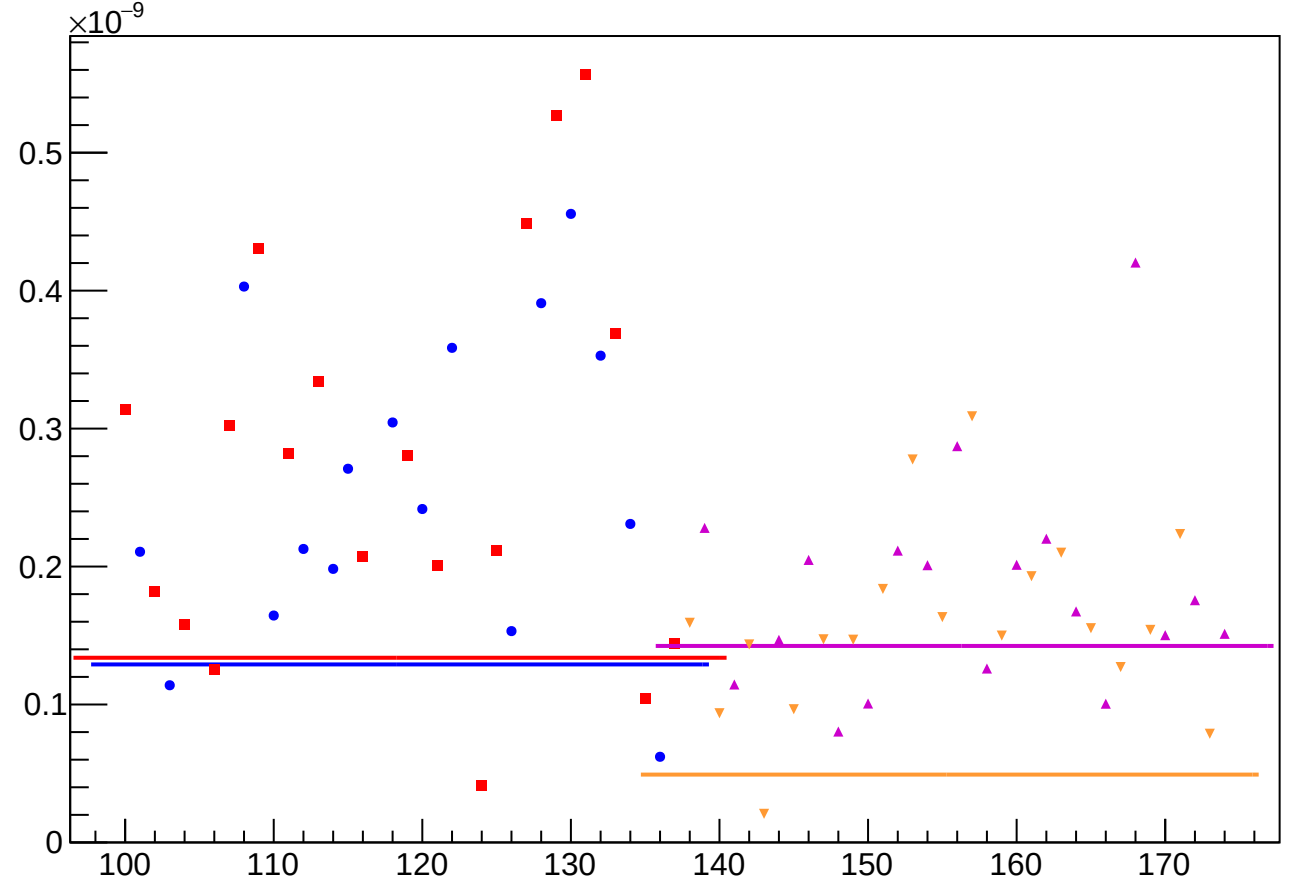
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:30.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 38.8/34

All: -0.000+/-0.000 χ^2/NDF: 90.4/71

- 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:6418382.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

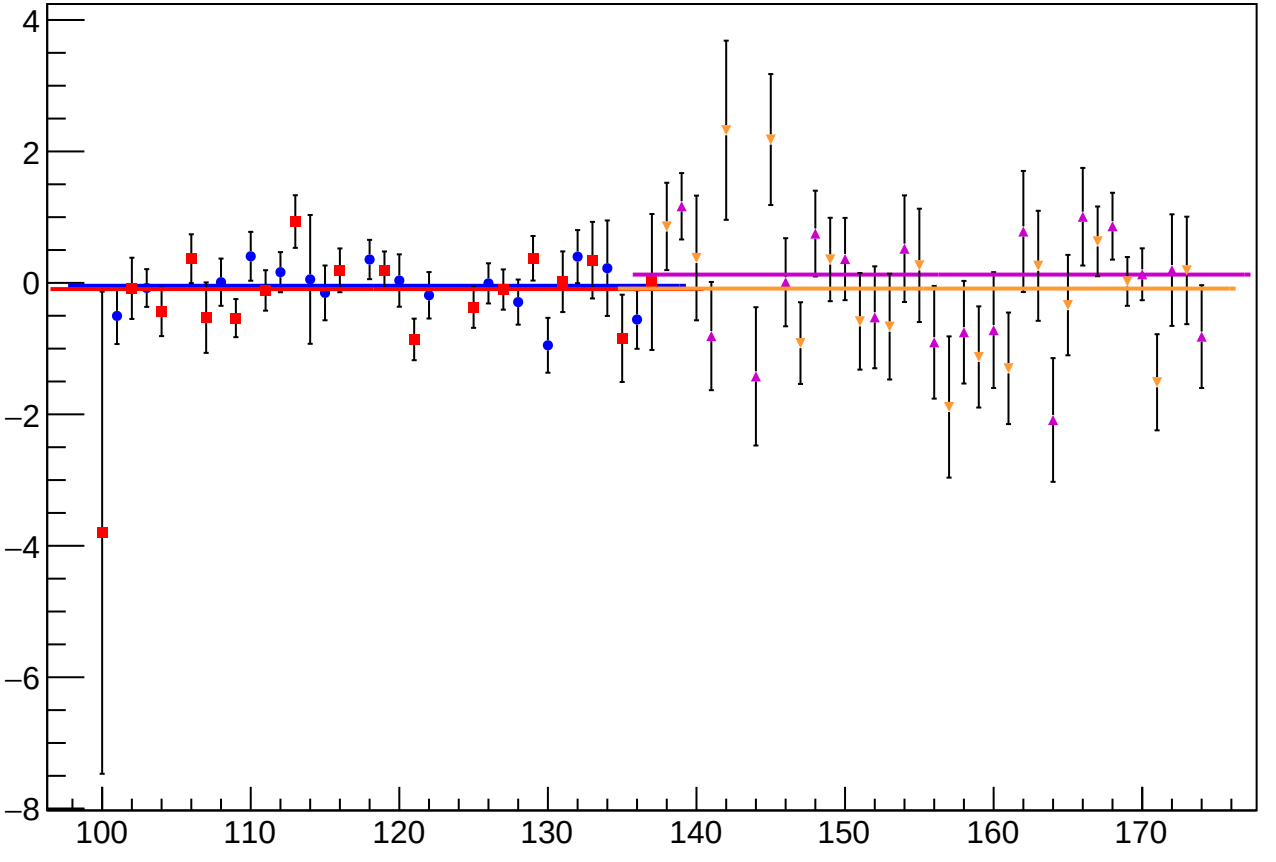
Left In: 0.000+/-0.000 χ^2/NDF:1457504.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 9409743.6/34

All: 0.000+/-0.000 χ^2/NDF: 16971094.1/71

- 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: -0.087+/-0.167 χ^2/NDF:26.8/17

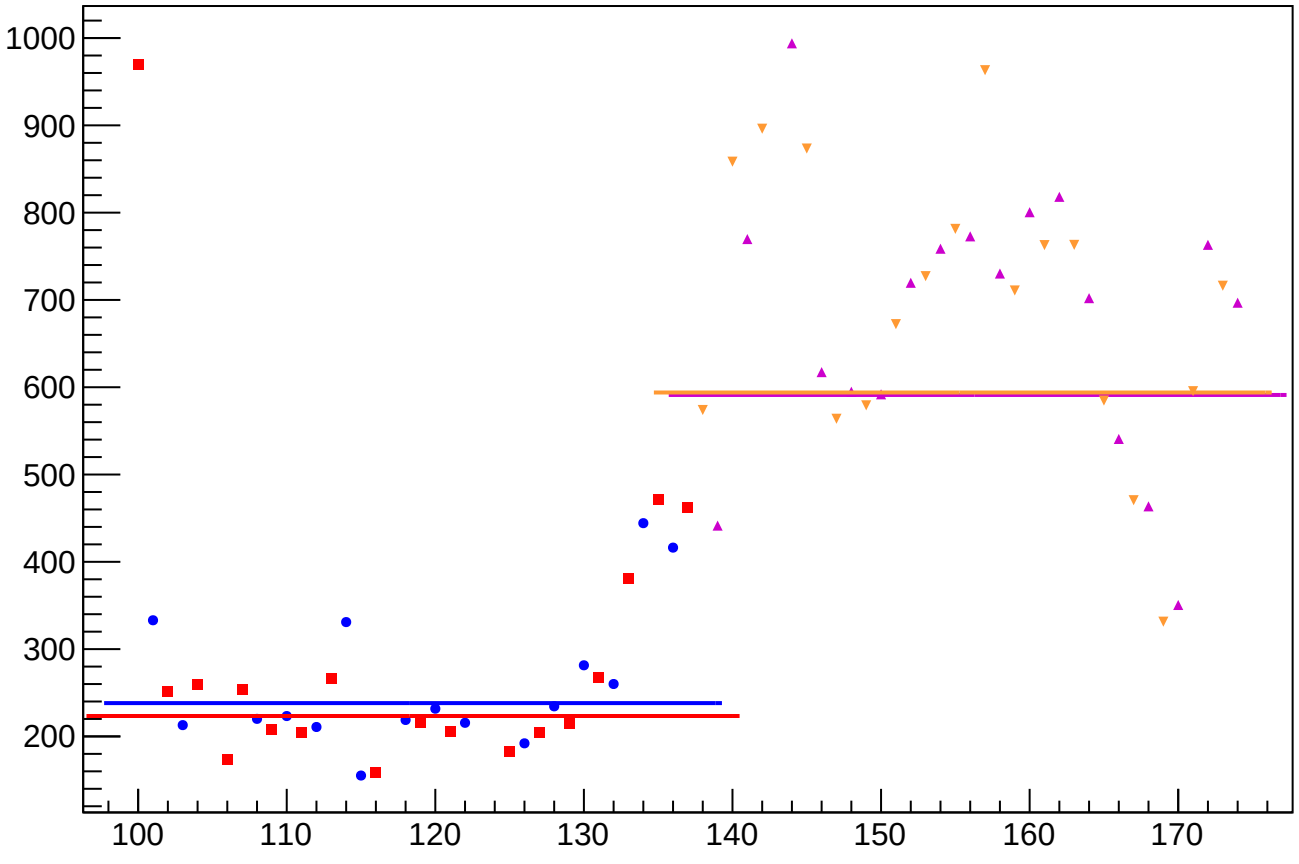
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.126+/-0.162 χ^2/NDF:24.3/17

+ sign -0.054+/-0.082 χ^2/NDF: 39.9/33

All: -0.048+/-0.057 χ^2/NDF: 91.0/69

- 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: 593.972+/-0.118 χ^2/NDF:2187636.6/17

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

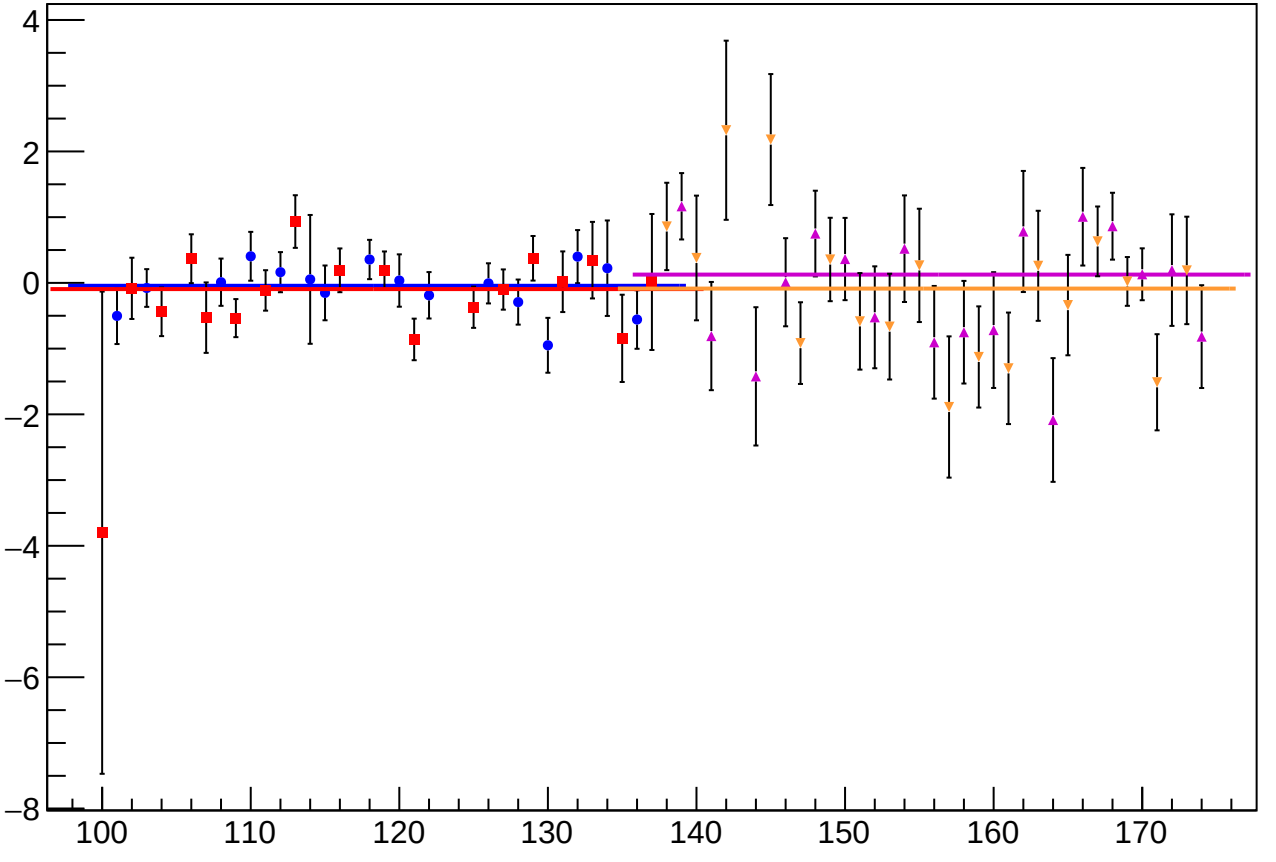
Left In: 591.152+/-0.114 χ^2/NDF:2118278.7/17

+ sign 323.744+/-0.058 χ^2/NDF: 9916603.7/33

All: 316.901+/-0.040 χ^2/NDF: 20834603.8/69

- 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: -0.087+/-0.167 χ^2/NDF:26.8/17

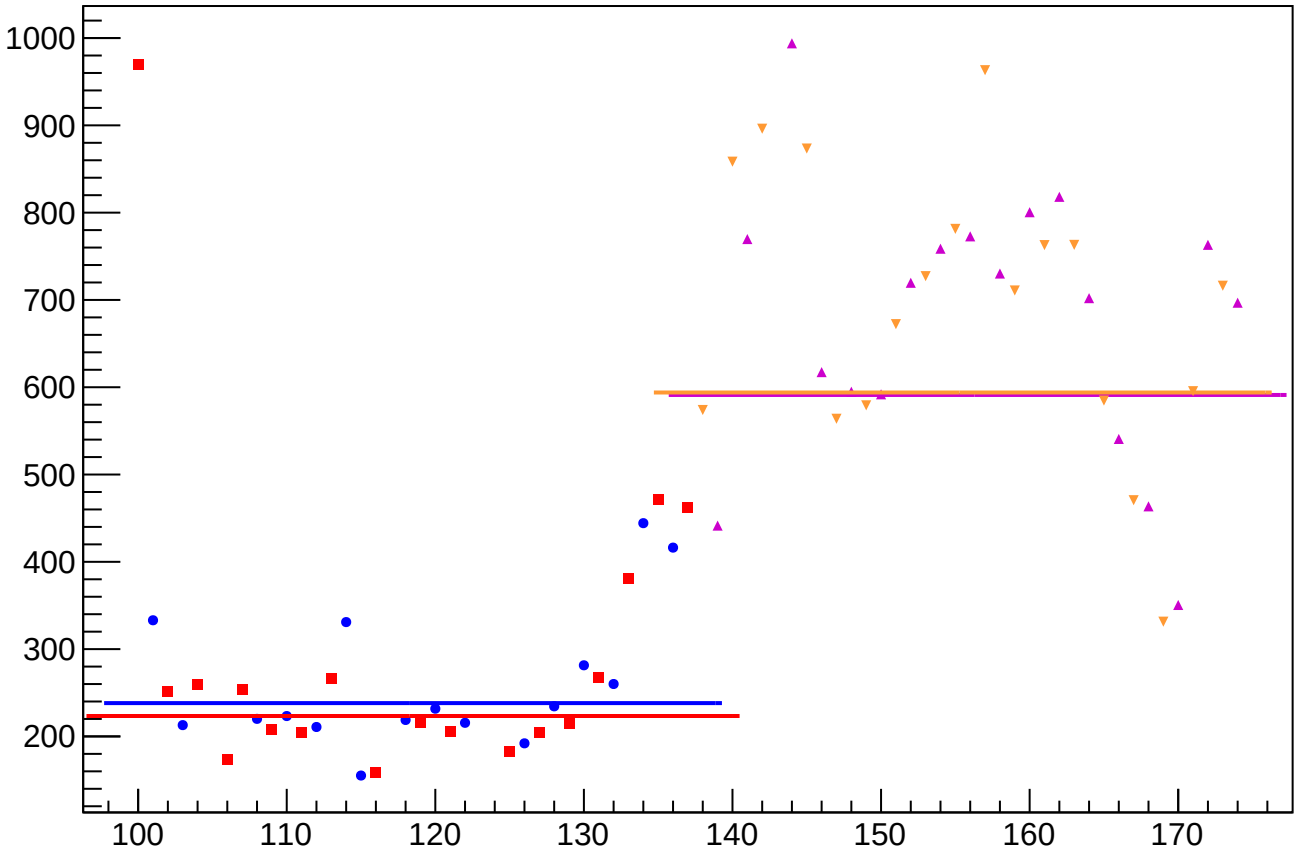
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.126+/-0.162 χ^2/NDF:24.3/17

+ sign -0.054+/-0.082 χ^2/NDF: 39.9/33

All: -0.048+/-0.057 χ^2/NDF: 91.0/69

- 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: 593.972+/-0.118 χ^2/NDF:2187636.6/17

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

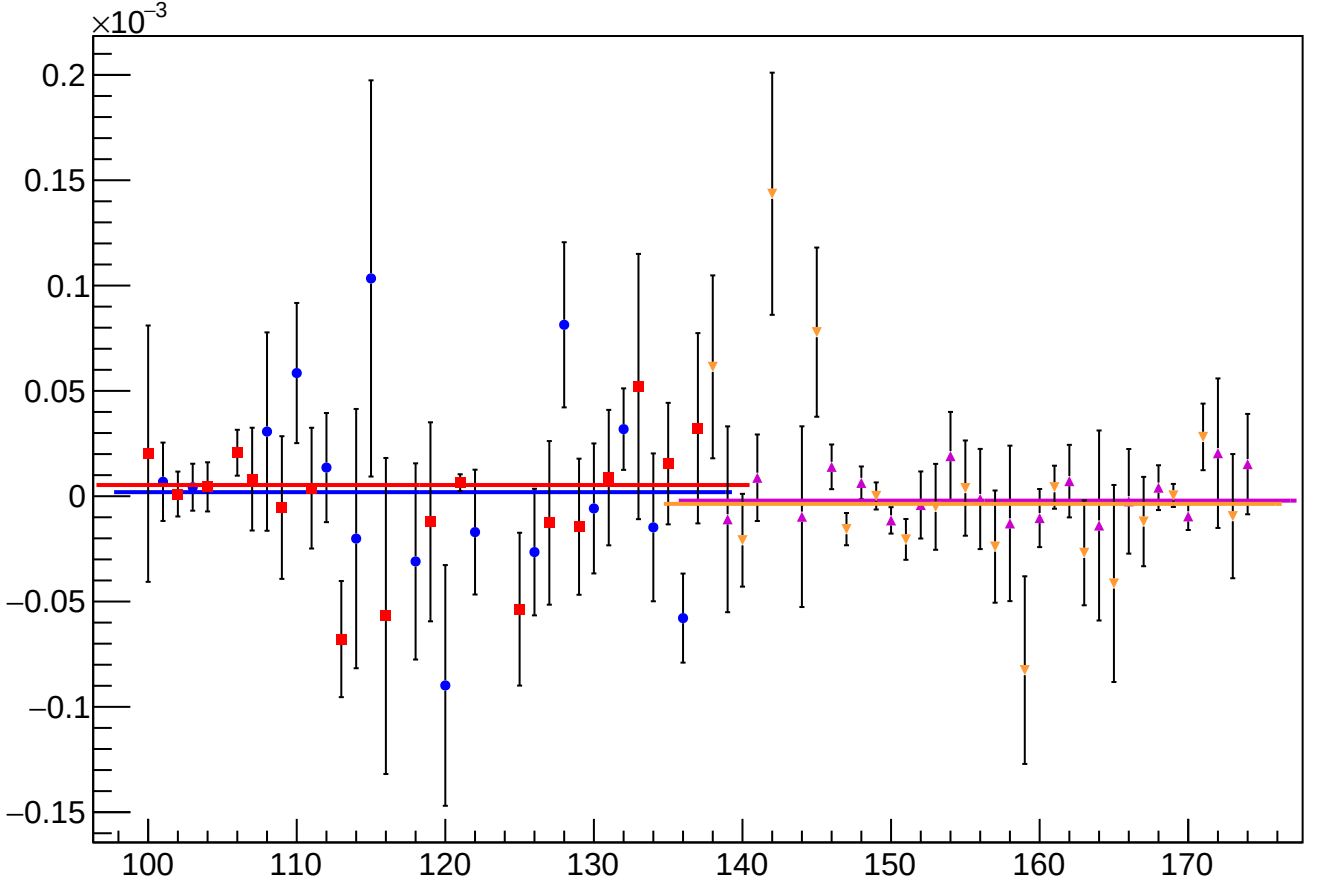
Left In: 591.152+/-0.114 χ^2/NDF:2118278.7/17

+ sign 323.744+/-0.058 χ^2/NDF: 9916603.7/33

All: 316.901+/-0.040 χ^2/NDF: 20834603.8/69

- sign 310.567+/-0.056 χ^2/NDF: 10891010.0/35

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/17

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

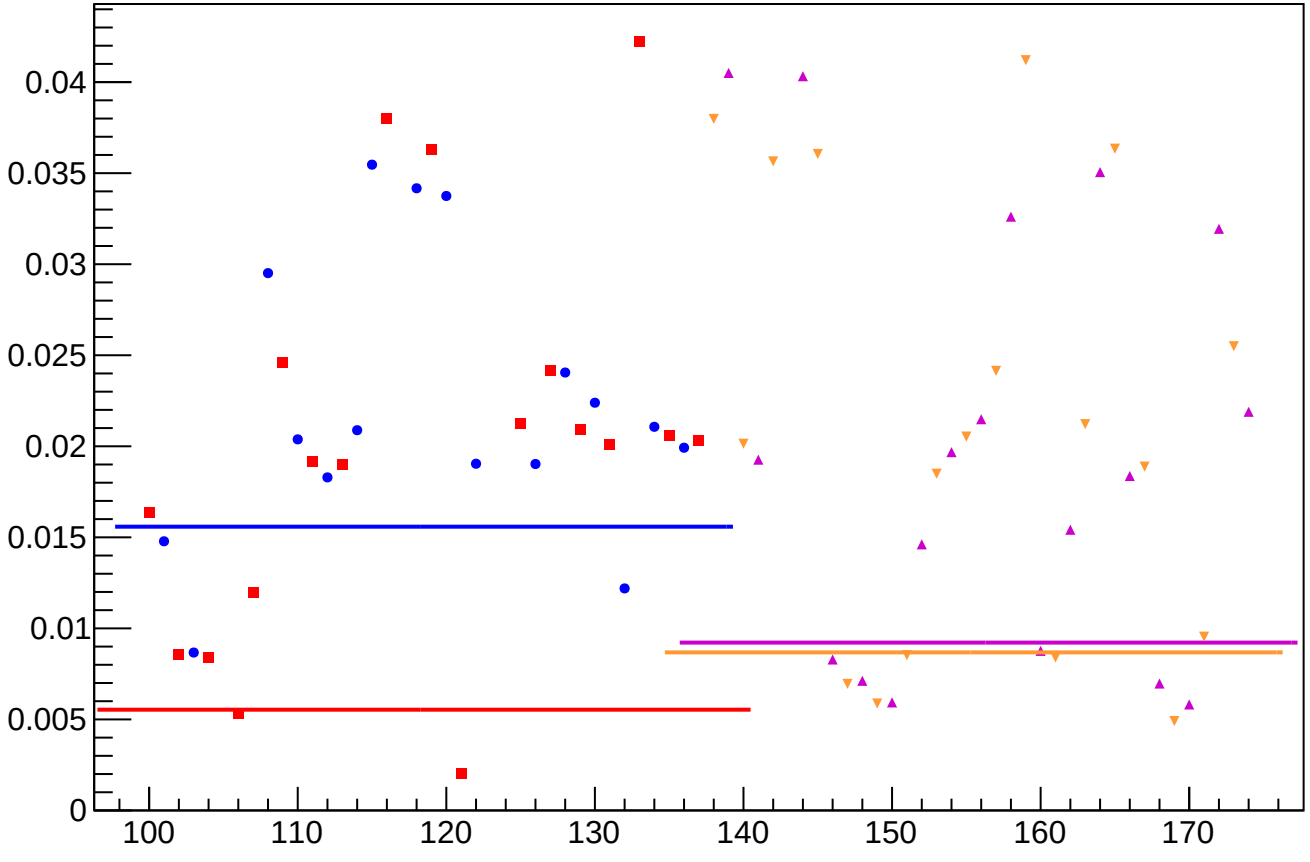
Left In: -0.000+/-0.000 χ^2/NDF:10.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 54.8/33

All: -0.000+/-0.000 χ^2/NDF: 84.0/69

- 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:9336411.3/17

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

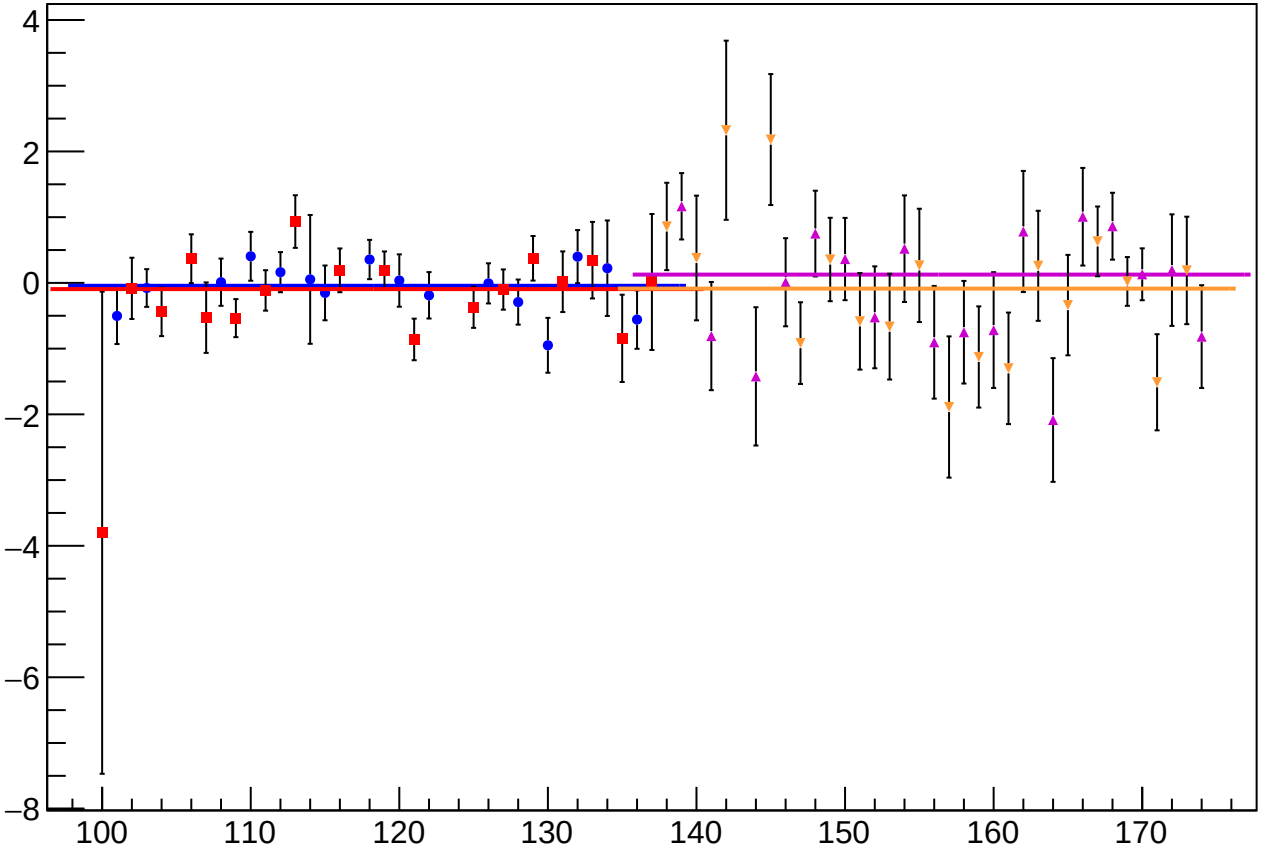
Left In: 0.009+/-0.000 χ^2/NDF:8522557.5/17

+ sign 0.010+/-0.000 χ^2/NDF: 13340198.6/33

All: 0.008+/-0.000 χ^2/NDF: 32195457.2/69

- 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: -0.087+/-0.167 χ^2/NDF:26.8/17

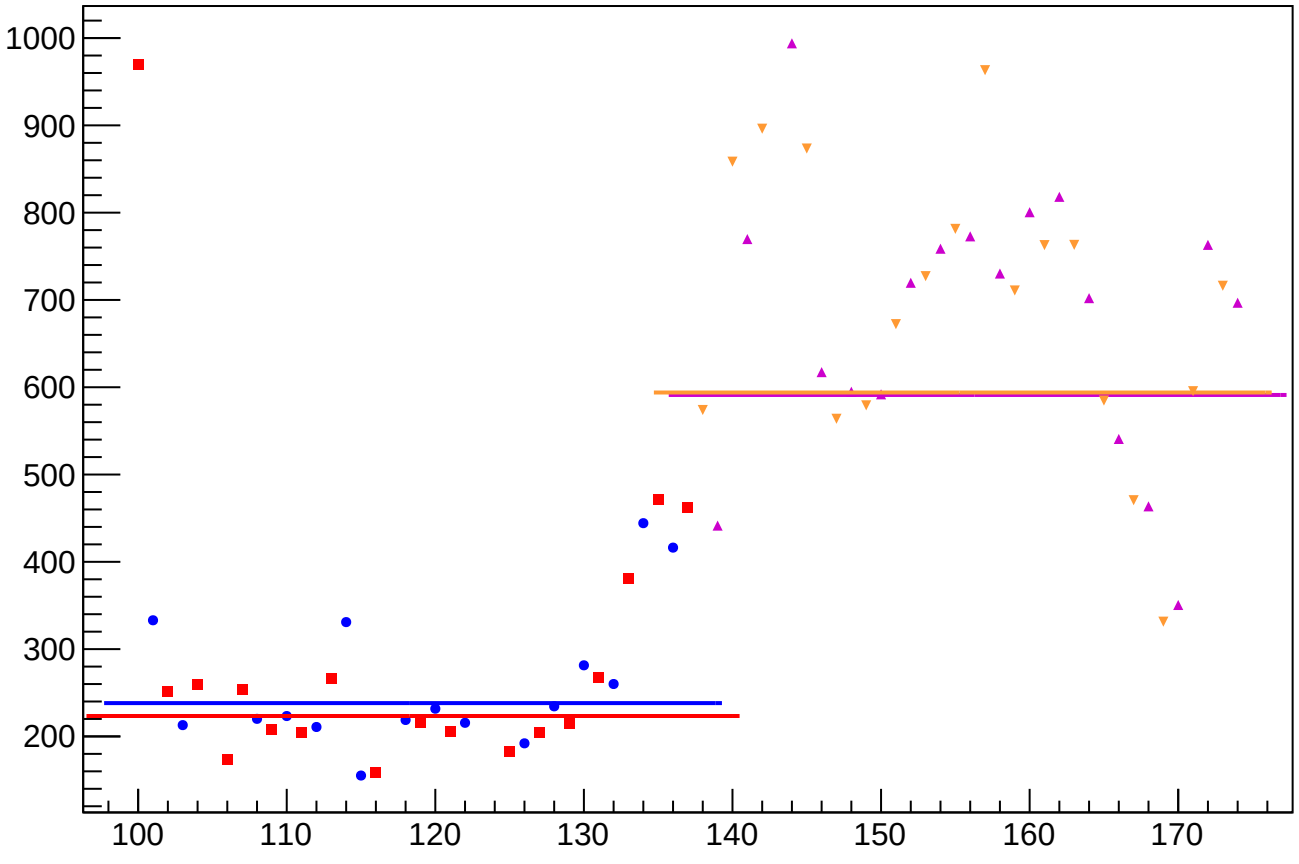
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.126+/-0.162 χ^2/NDF:24.3/17

+ sign -0.054+/-0.082 χ^2/NDF: 39.9/33

All: -0.048+/-0.057 χ^2/NDF: 91.0/69

- 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: 593.976+/-0.118 χ^2/NDF:2187702.5/17

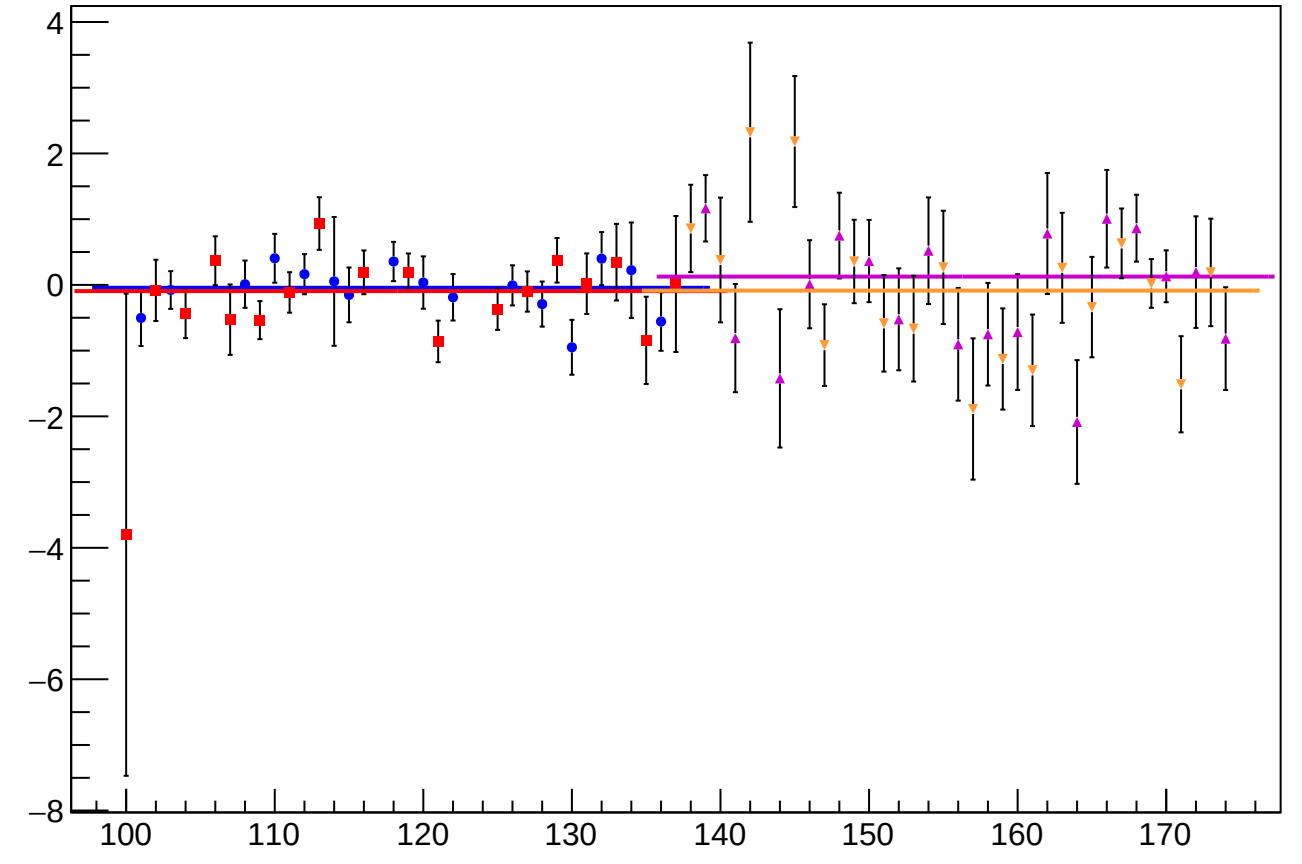
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 591.158+/-0.114 χ^2/NDF:2118253.4/17

+ sign 323.745+/-0.058 χ^2/NDF: 9916677.0/33

All: 316.902+/-0.040 χ^2/NDF: 20834646.8/69

- 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: -0.087+/-0.167 χ^2/NDF:26.8/17

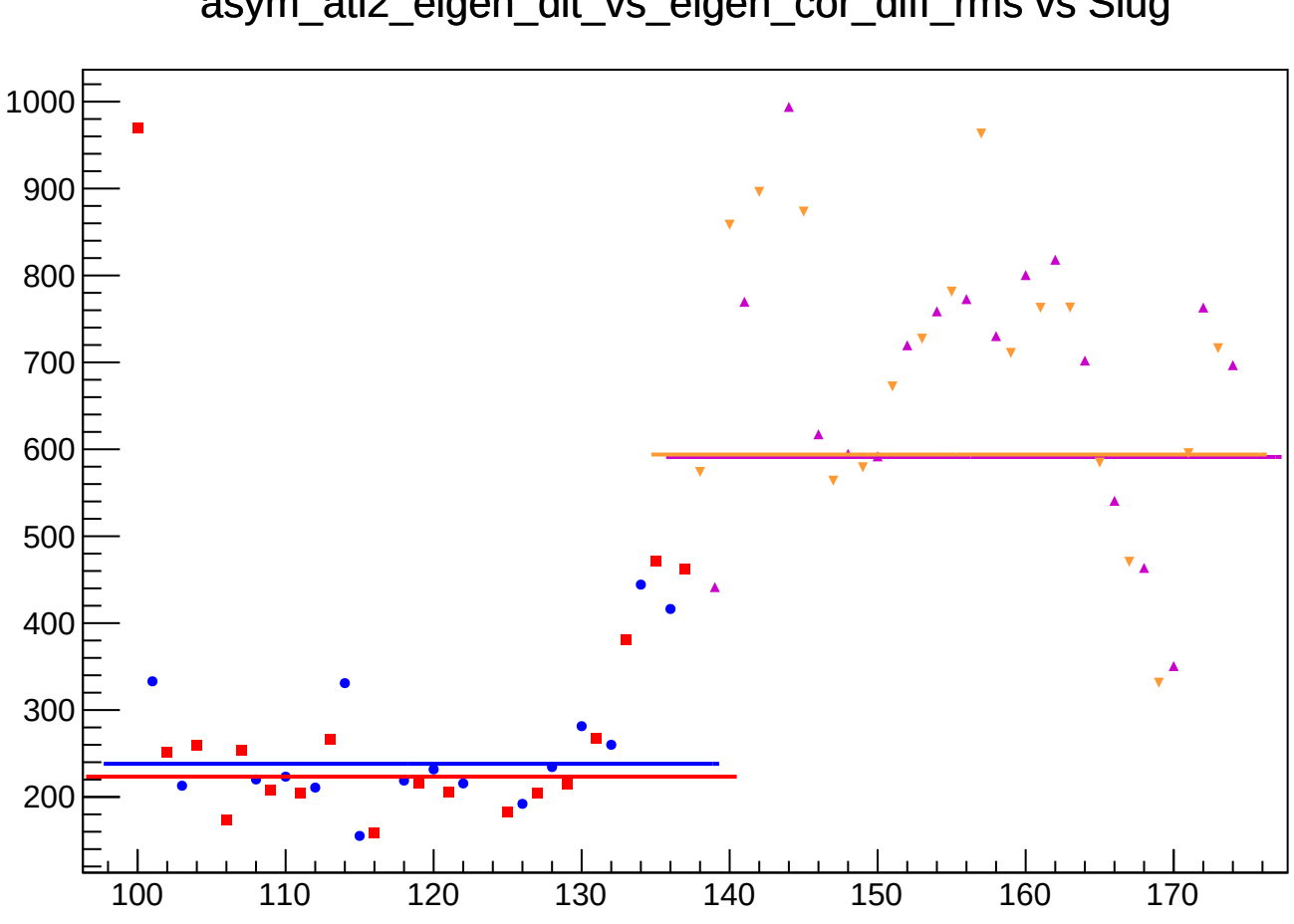
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.126+/-0.162 χ^2/NDF:24.3/17

+ sign -0.054+/-0.082 χ^2/NDF: 39.9/33

All: -0.048+/-0.057 χ^2/NDF: 91.0/69

- 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: 593.976+/-0.118 χ^2/NDF:2187702.5/17

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

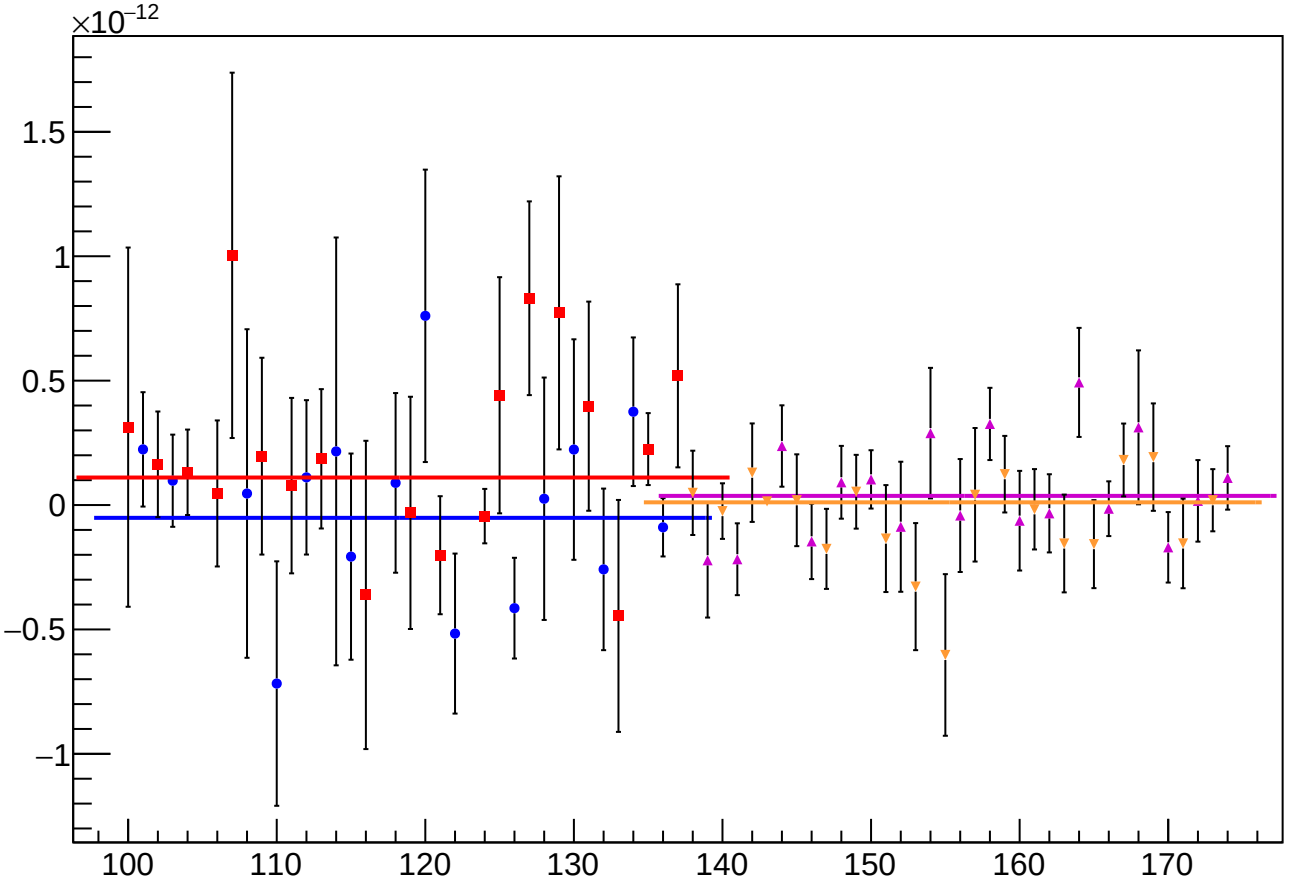
Left In: 591.158+/-0.114 χ^2/NDF:2118253.4/17

+ sign 323.745+/-0.058 χ^2/NDF: 9916677.0/33

All: 316.902+/-0.040 χ^2/NDF: 20834646.8/69

- 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:12.9/18

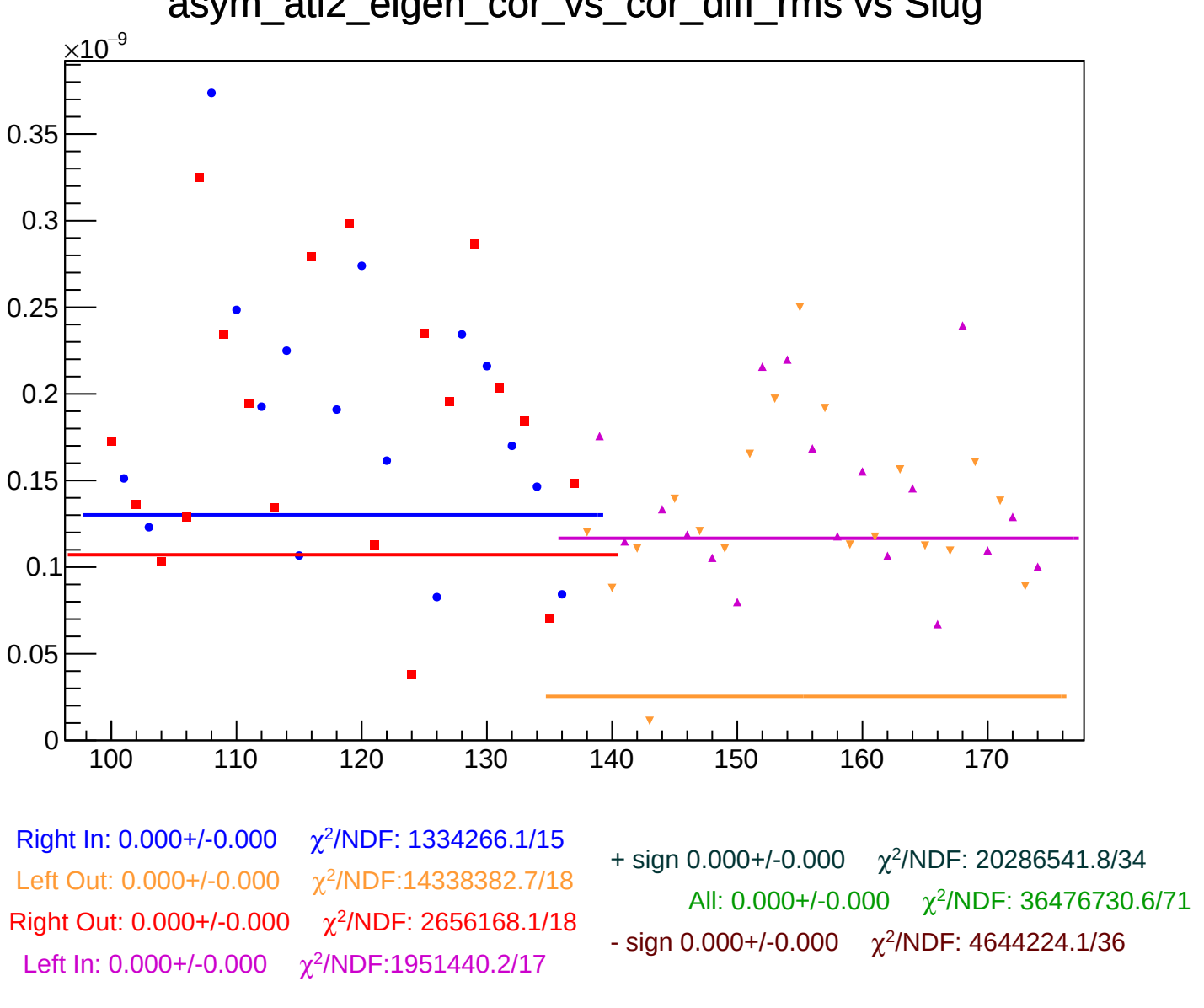
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:21.3/17

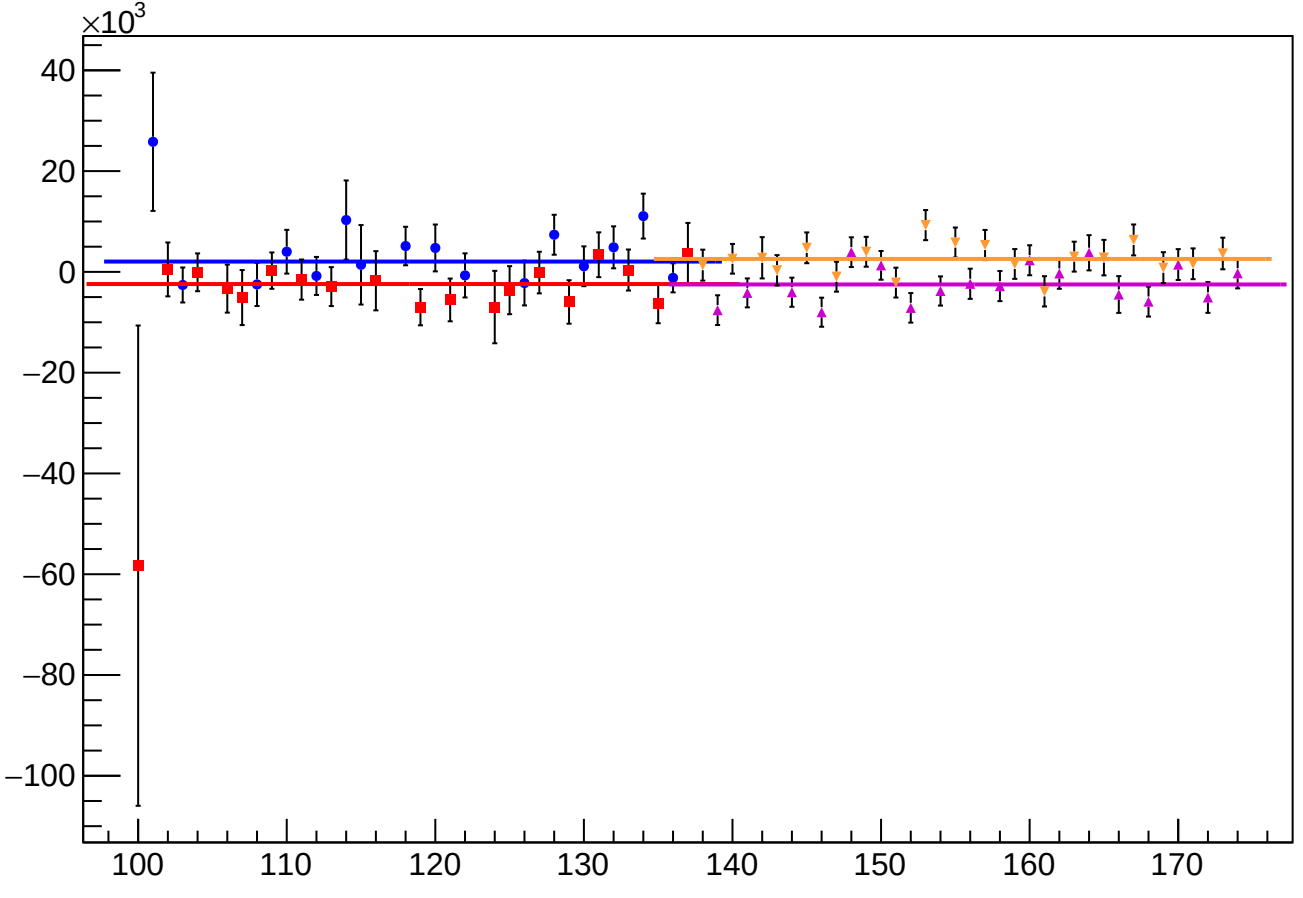
+ sign 0.000+/-0.000 χ^2/NDF: 28.5/34

All: 0.000+/-0.000 χ^2/NDF: 68.3/71

- 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:14338382.7/18
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: 20286541.8/34
All: 0.000+/-0.000 χ²/NDF: 36476730.6/71
- 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: 2569.280+/-704.441 χ^2/NDF:19.3/18

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

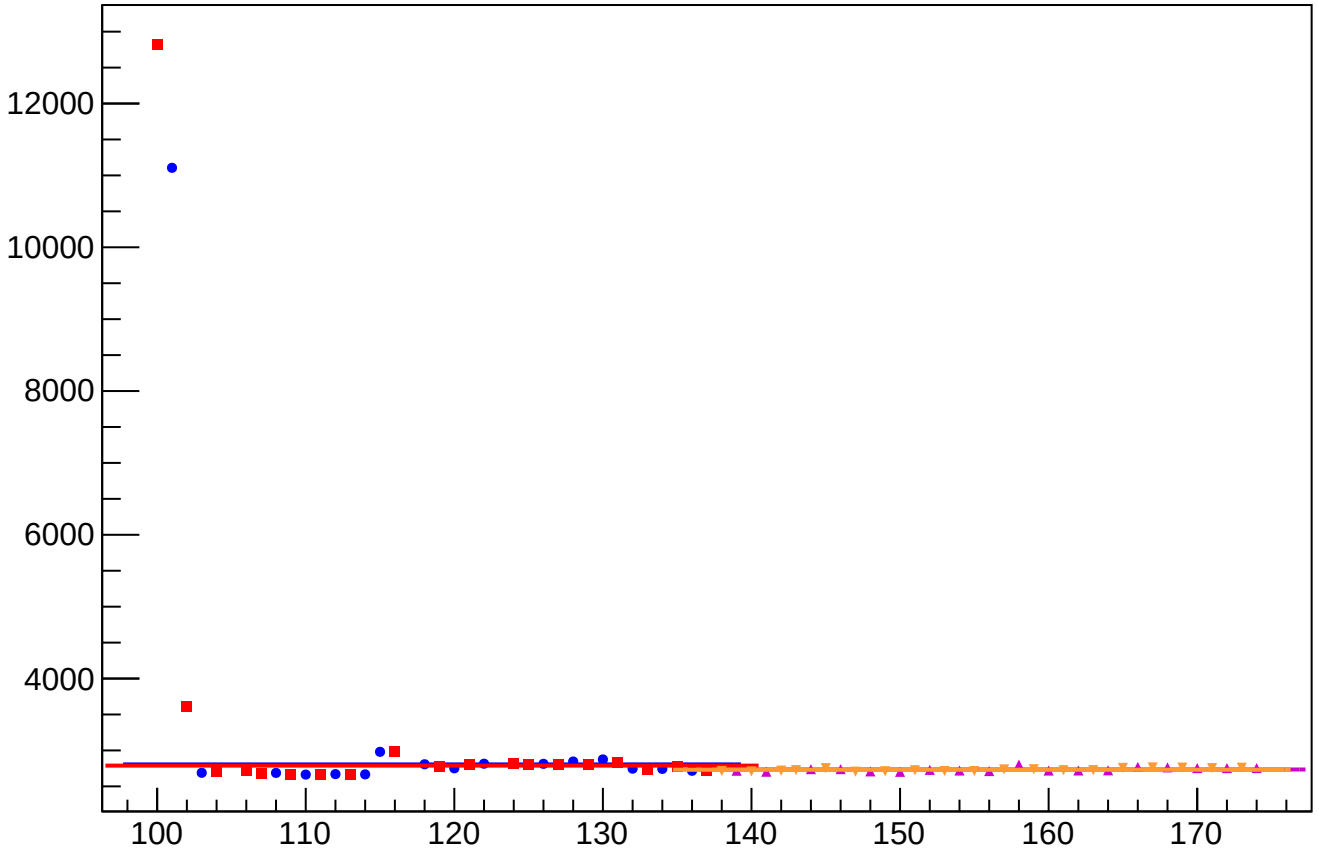
Left In: -2493.353+/-708.941 χ^2/NDF:27.3/17

+ sign 2412.191+/-588.443 χ^2/NDF: 37.2/34

All: -42.009+/-414.860 χ^2/NDF: 109.9/71

- 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: 2731.402+/-0.498 χ^2/NDF:1548.6/18

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

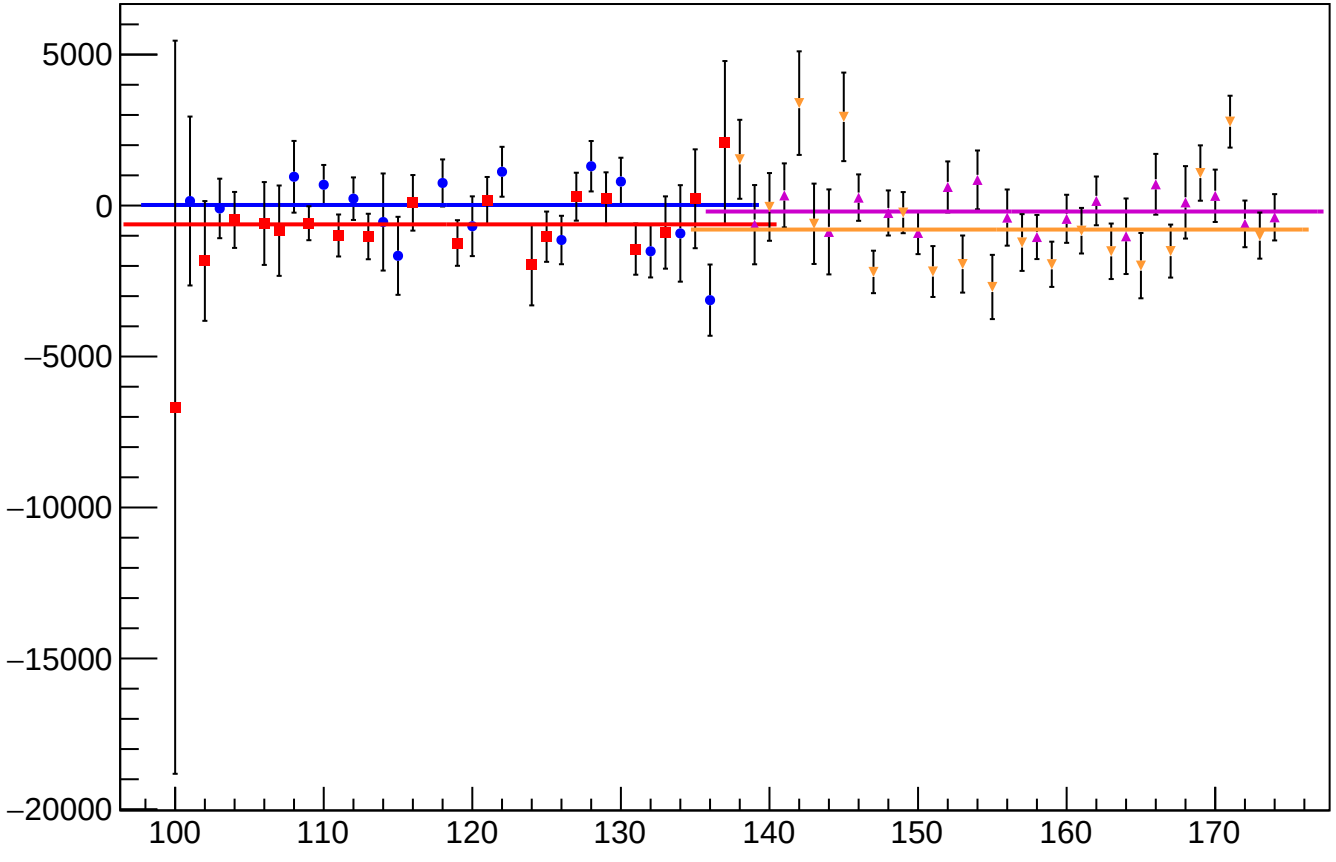
Left In: 2734.859+/-0.501 χ^2/NDF:2698.1/17

+ sign 2753.779+/-0.416 χ^2/NDF: 754467.0/34

All: 2752.925+/-0.293 χ^2/NDF: 907869.8/71

- 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: -795.098+/-210.330 χ^2/NDF:54.7/18

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

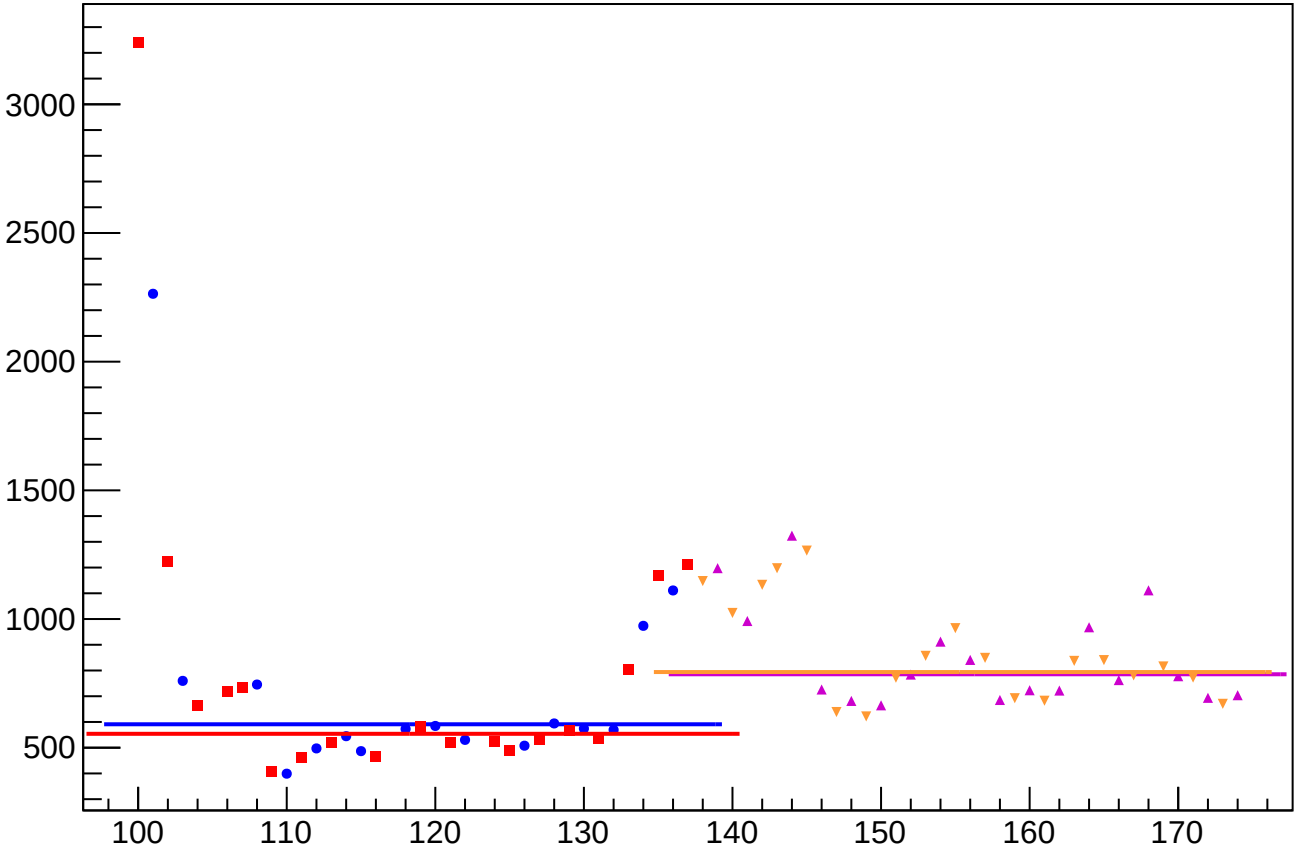
Left In: -197.921+/-208.039 χ^2/NDF:7.7/17

+ sign -430.412+/-156.272 χ^2/NDF: 84.2/34

All: -415.912+/-108.149 χ^2/NDF: 103.2/71

- 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: 793.994+/-0.149 χ^2/NDF:1137108.3/18

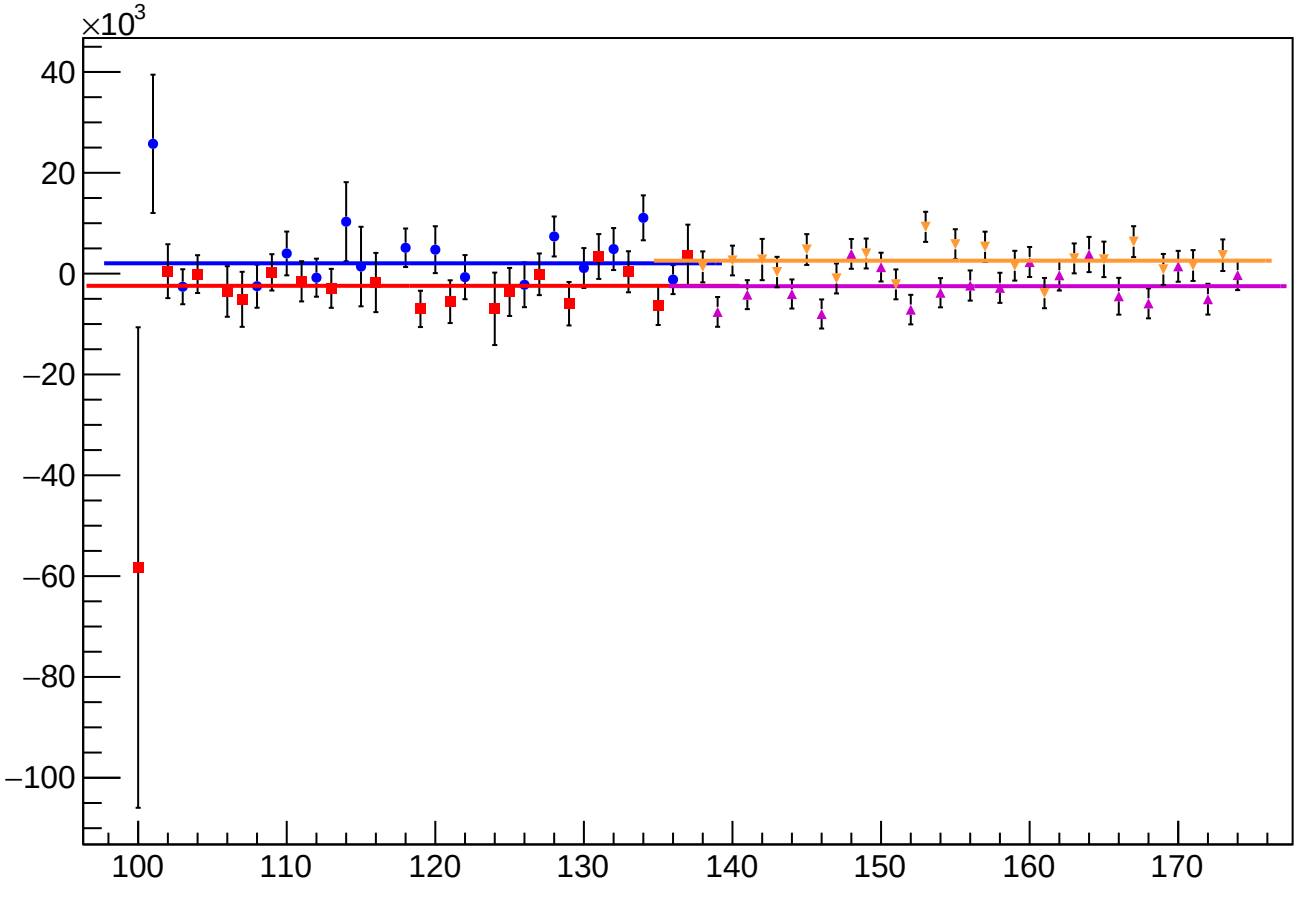
Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 785.340+/-0.147 χ^2/NDF:1020635.0/17

+ sign 703.076+/-0.111 χ^2/NDF: 3538972.6/34

All: 687.913+/-0.076 χ^2/NDF: 6903288.8/71

- sign 673.976+/-0.106 χ^2/NDF: 3328178.1/36



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2569.289+/-704.441 χ^2/NDF:19.3/18

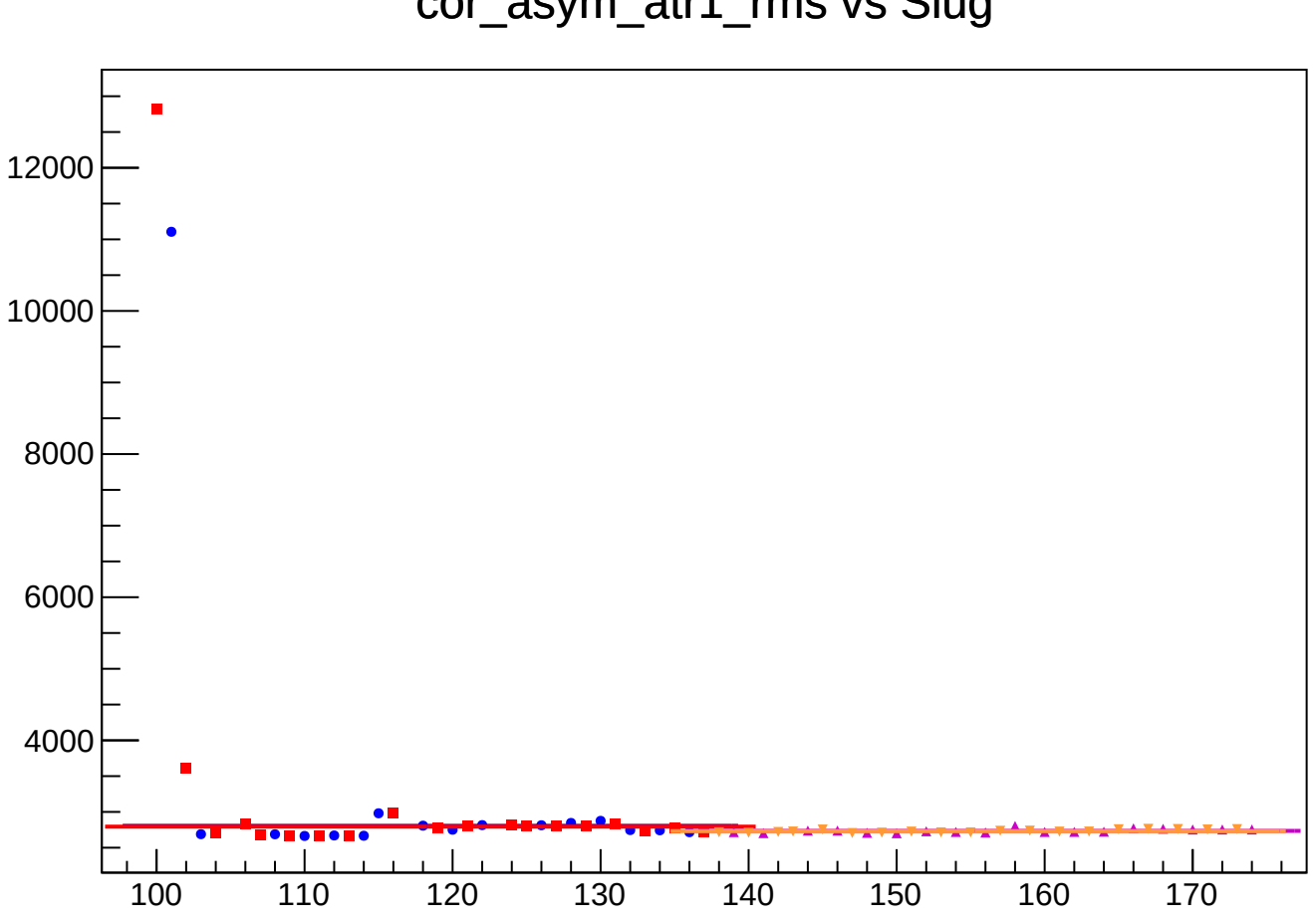
Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: -2493.419+/-708.941 χ^2/NDF:27.3/17

+ sign 2411.954+/-588.443 χ^2/NDF: 37.2/34

All: -41.370+/-415.013 χ^2/NDF: 109.9/71

- sign -2469.396+/-585.402 χ^2/NDF: 38.1/36



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2731.402+/-0.498 χ^2/NDF:1548.6/18

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

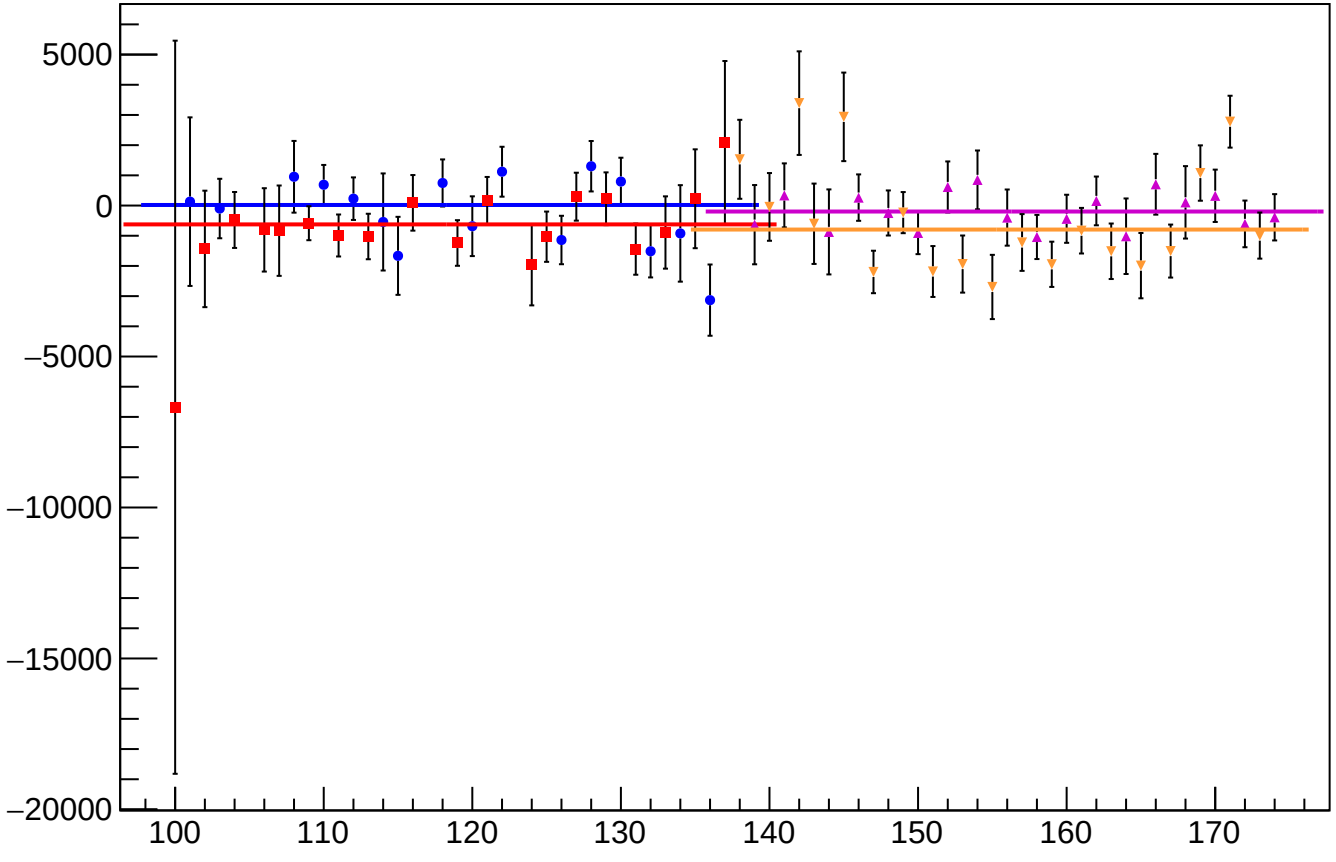
Left In: 2734.859+/-0.501 χ^2/NDF:2698.1/17

+ sign 2753.779+/-0.416 χ^2/NDF: 754466.1/34

All: 2753.752+/-0.293 χ^2/NDF: 908360.2/71

- 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: -795.010+/-210.329 χ^2/NDF:54.7/18

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

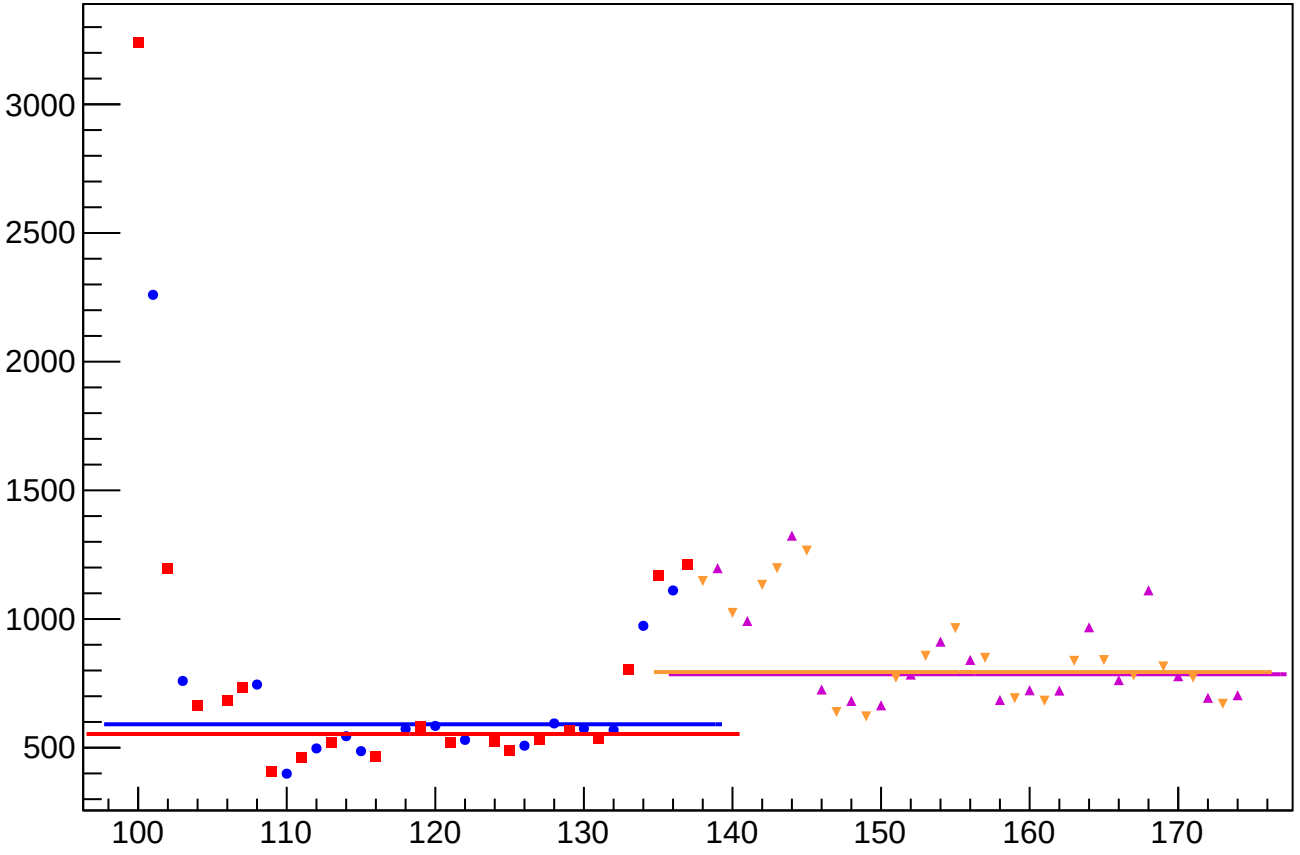
Left In: -198.033+/-208.040 χ^2/NDF:7.7/17

\+ sign -430.364+/-156.268 χ^2/NDF: 84.2/34

All: -416.222+/-108.142 χ^2/NDF: 103.0/71

\- 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: 793.987+/-0.149 χ^2/NDF:1137133.9/18

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

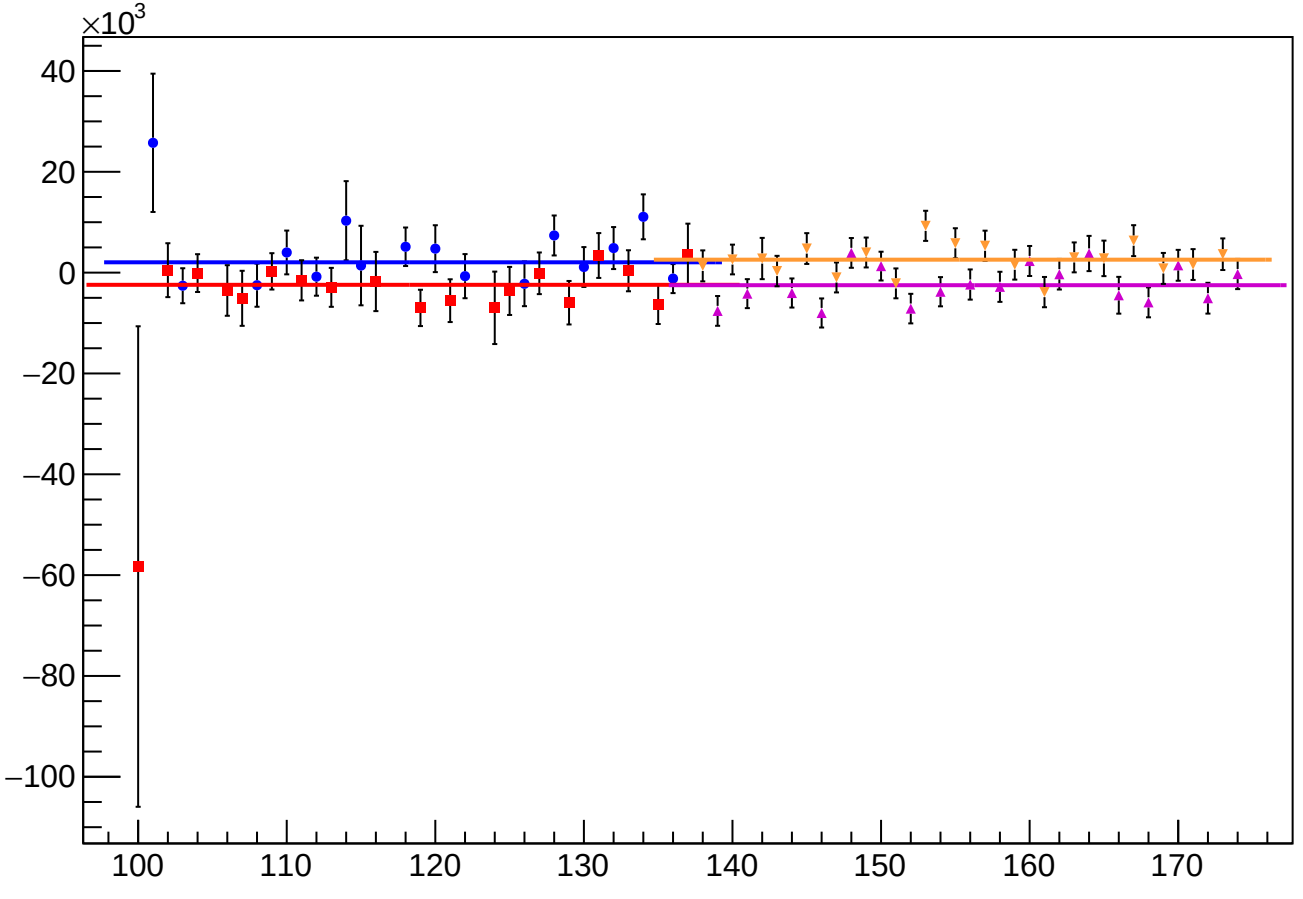
Left In: 785.344+/-0.147 χ^2/NDF:1020558.8/17

+ sign 703.067+/-0.110 χ^2/NDF: 3537976.0/34

All: 687.708+/-0.076 χ^2/NDF: 6895917.2/71

- sign 673.592+/-0.106 χ^2/NDF: 3320861.7/36

eigen_cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2569.289+/-704.441 χ^2/NDF:19.3/18

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

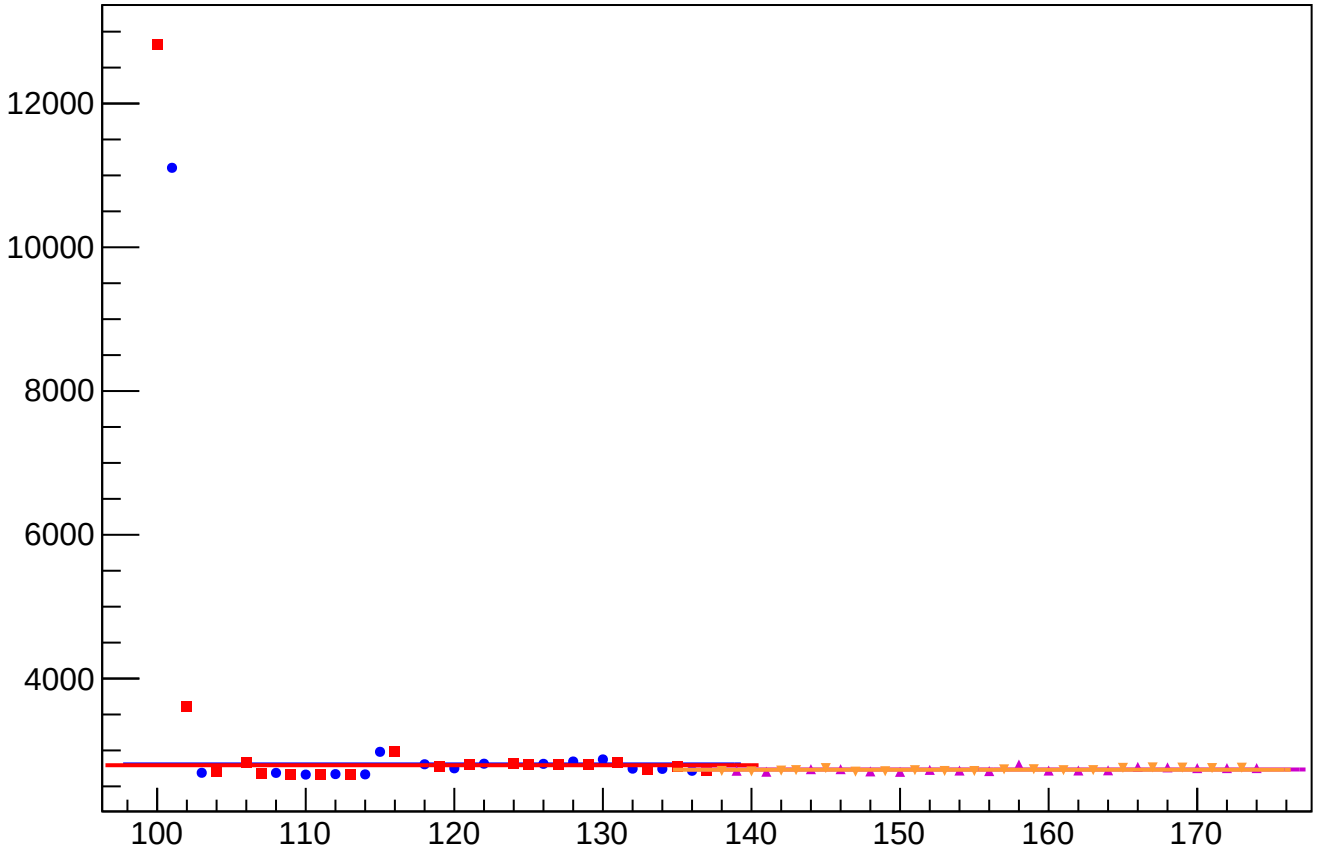
Left In: -2493.419+/-708.941 χ^2/NDF:27.3/17

+ sign 2411.954+/-588.443 χ^2/NDF: 37.2/34

All: -41.370+/-415.013 χ^2/NDF: 109.9/71

- 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: 2731.402+/-0.498 χ^2/NDF:1548.6/18

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

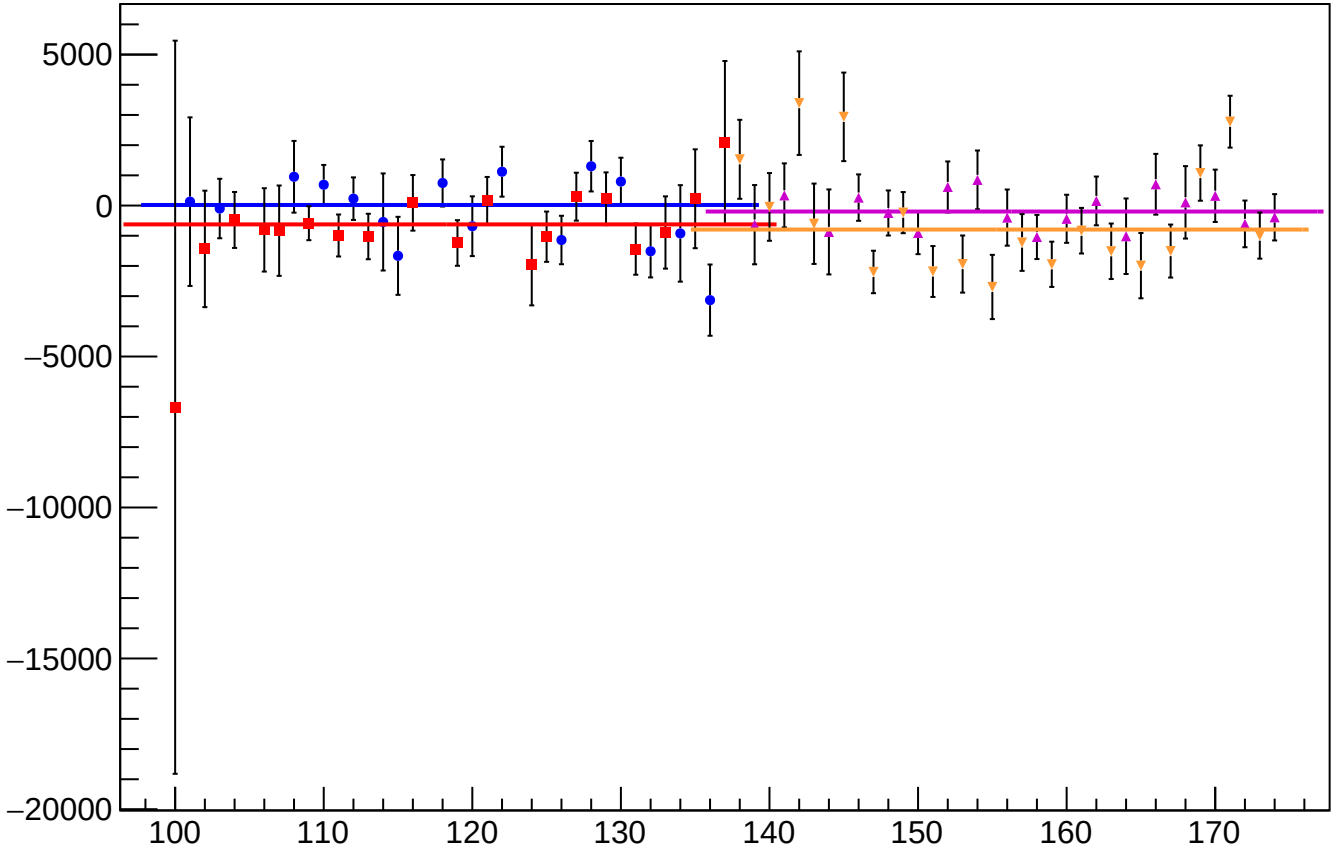
Left In: 2734.859+/-0.501 χ^2/NDF:2698.1/17

+ sign 2753.779+/-0.416 χ^2/NDF: 754466.1/34

All: 2753.752+/-0.293 χ^2/NDF: 908360.2/71

- 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: -795.010+/-210.329 χ^2/NDF:54.7/18

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

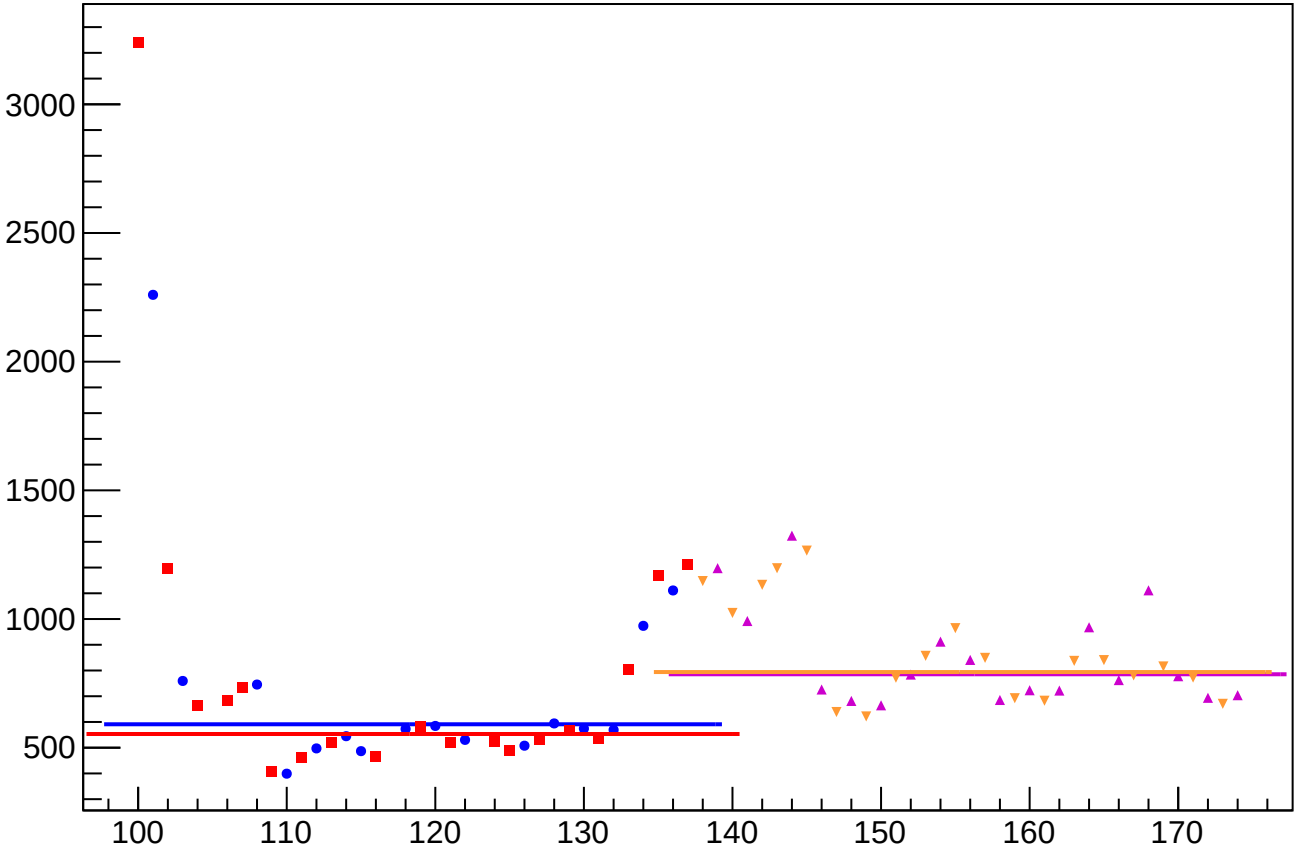
Left In: -198.033+/-208.040 χ^2/NDF:7.7/17

\+ sign -430.364+/-156.268 χ^2/NDF: 84.2/34

All: -416.222+/-108.142 χ^2/NDF: 103.0/71

\- 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: 793.987+/-0.149 χ^2/NDF:1137133.9/18

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

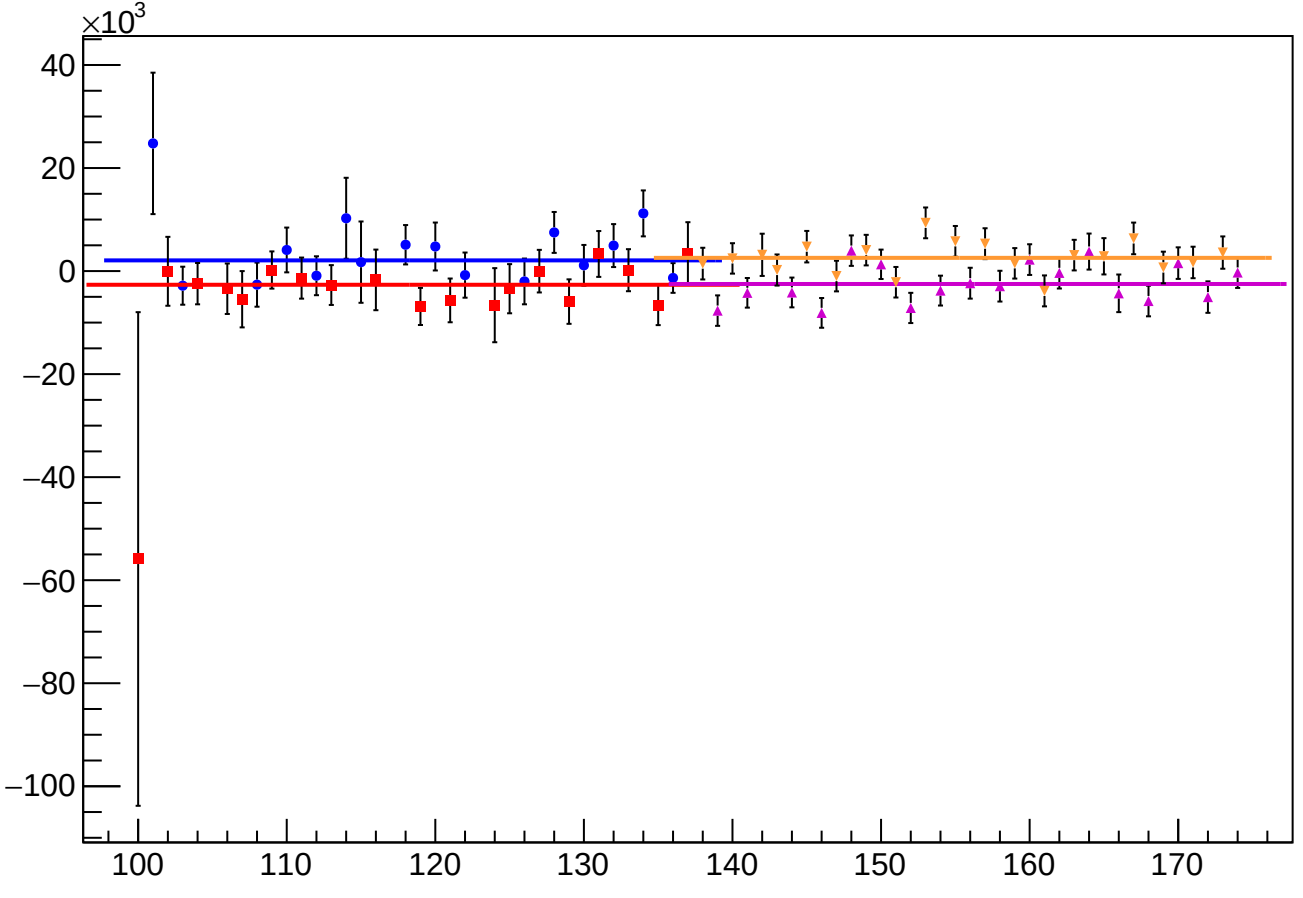
Left In: 785.344+/-0.147 χ^2/NDF:1020558.8/17

+ sign 703.067+/-0.110 χ^2/NDF: 3537976.0/34

All: 687.708+/-0.076 χ^2/NDF: 6895917.2/71

- 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: 2565.674+/-704.912 χ^2/NDF:19.4/18

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

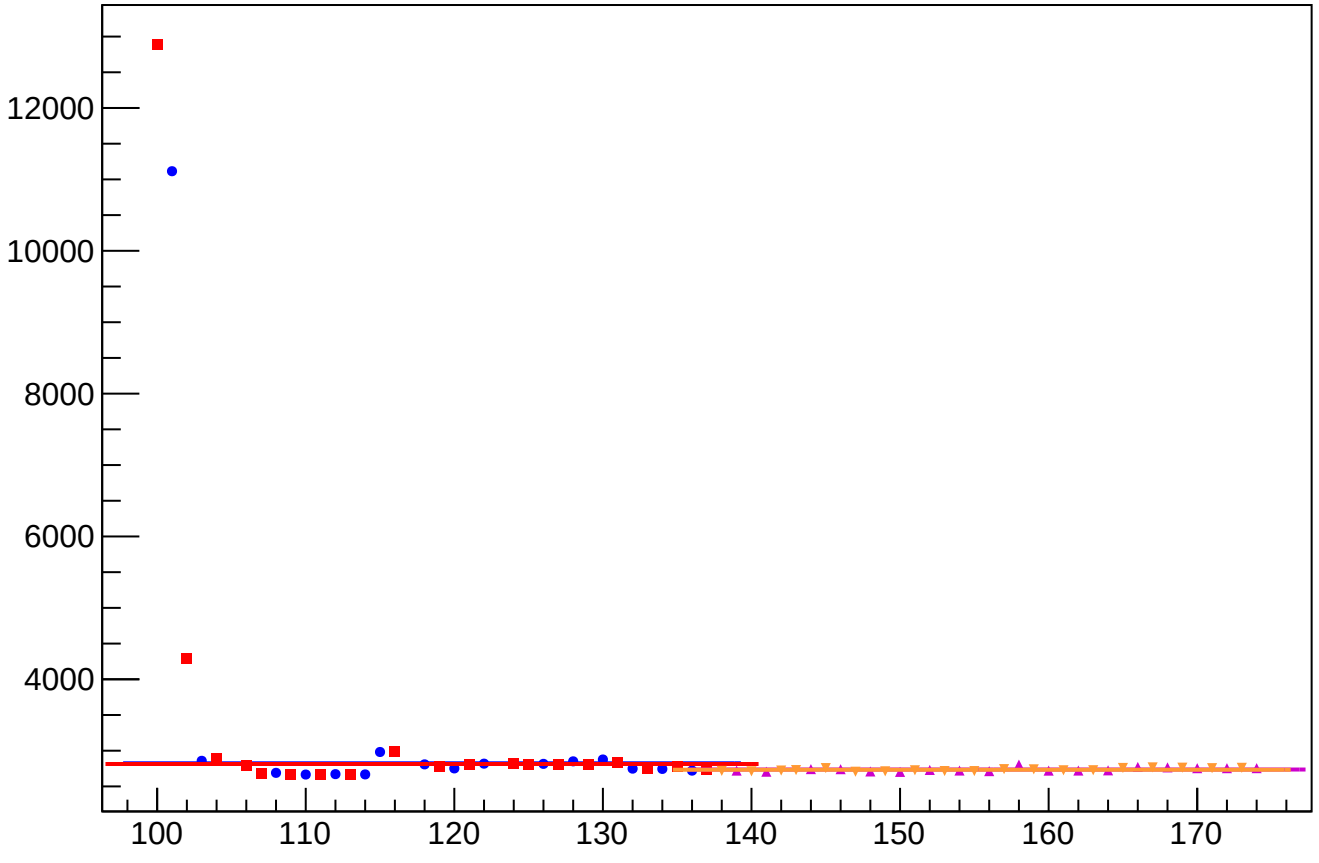
Left In: -2506.741+/-709.344 χ^2/NDF:27.6/17

+ sign 2418.480+/-589.839 χ^2/NDF: 37.5/34

All: -76.499+/-416.343 χ^2/NDF: 110.6/71

- 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: 2733.221+/-0.498 χ^2/NDF:1560.2/18

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

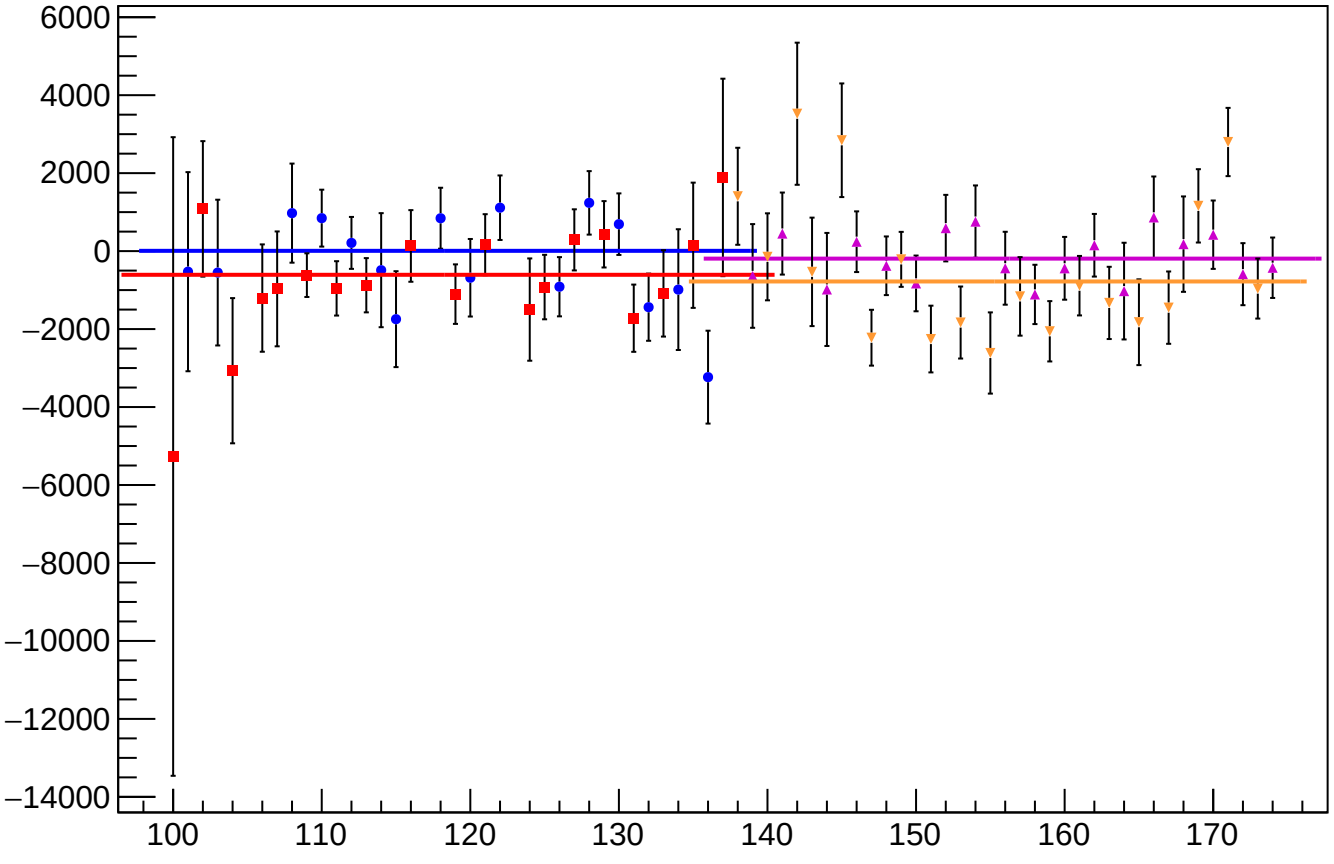
Left In: 2736.409+/-0.502 χ^2/NDF:2703.0/17

+ sign 2760.275+/-0.417 χ^2/NDF: 755301.0/34

All: 2760.474+/-0.294 χ^2/NDF: 965982.0/71

- 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: -778.775+/-214.143 χ^2/NDF:53.0/18

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

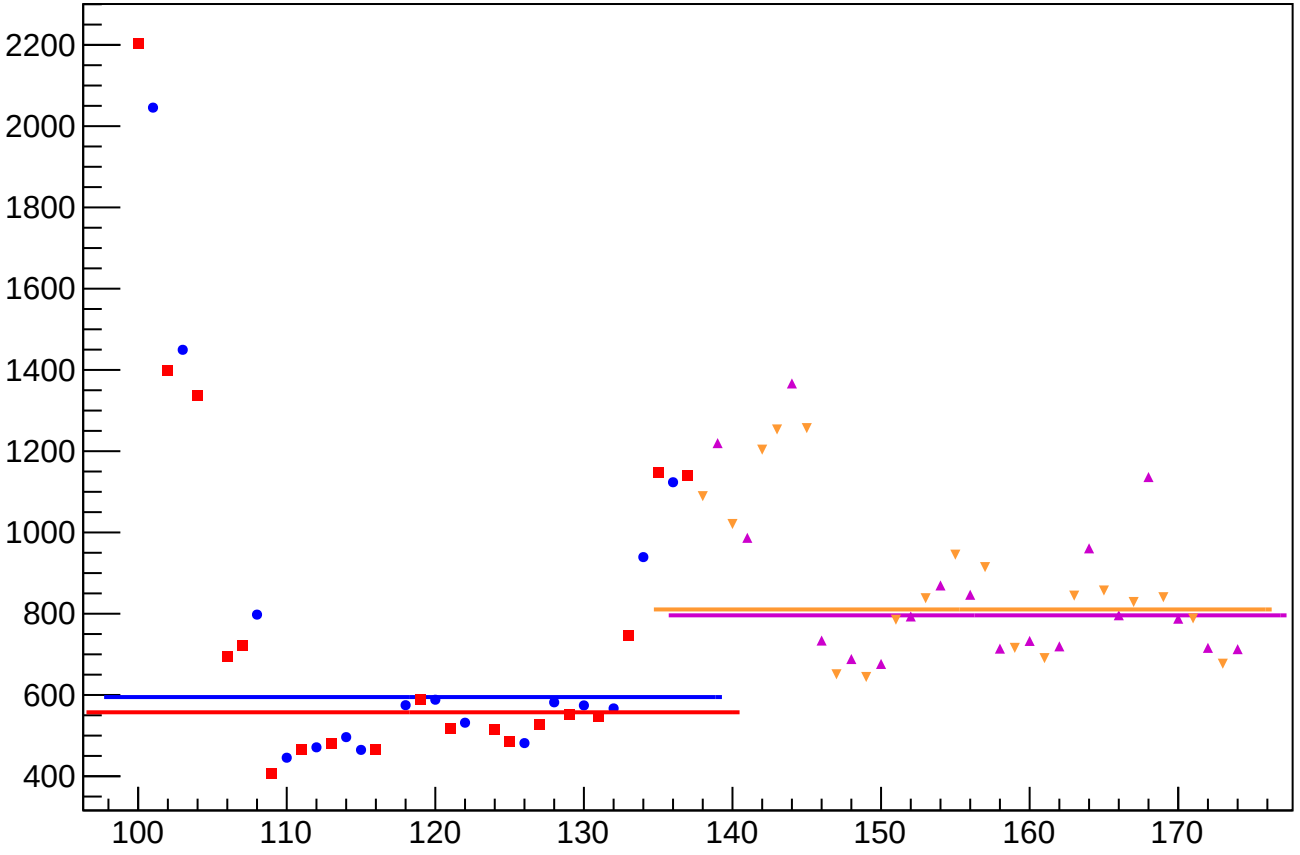
Left In: -192.652+/-210.426 χ^2/NDF:8.0/17

+ sign -426.320+/-159.027 χ^2/NDF: 81.8/34

All: -409.166+/-109.537 χ^2/NDF: 103.9/71

- 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: 810.519+/-0.151 χ^2/NDF:1073424.8/18

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

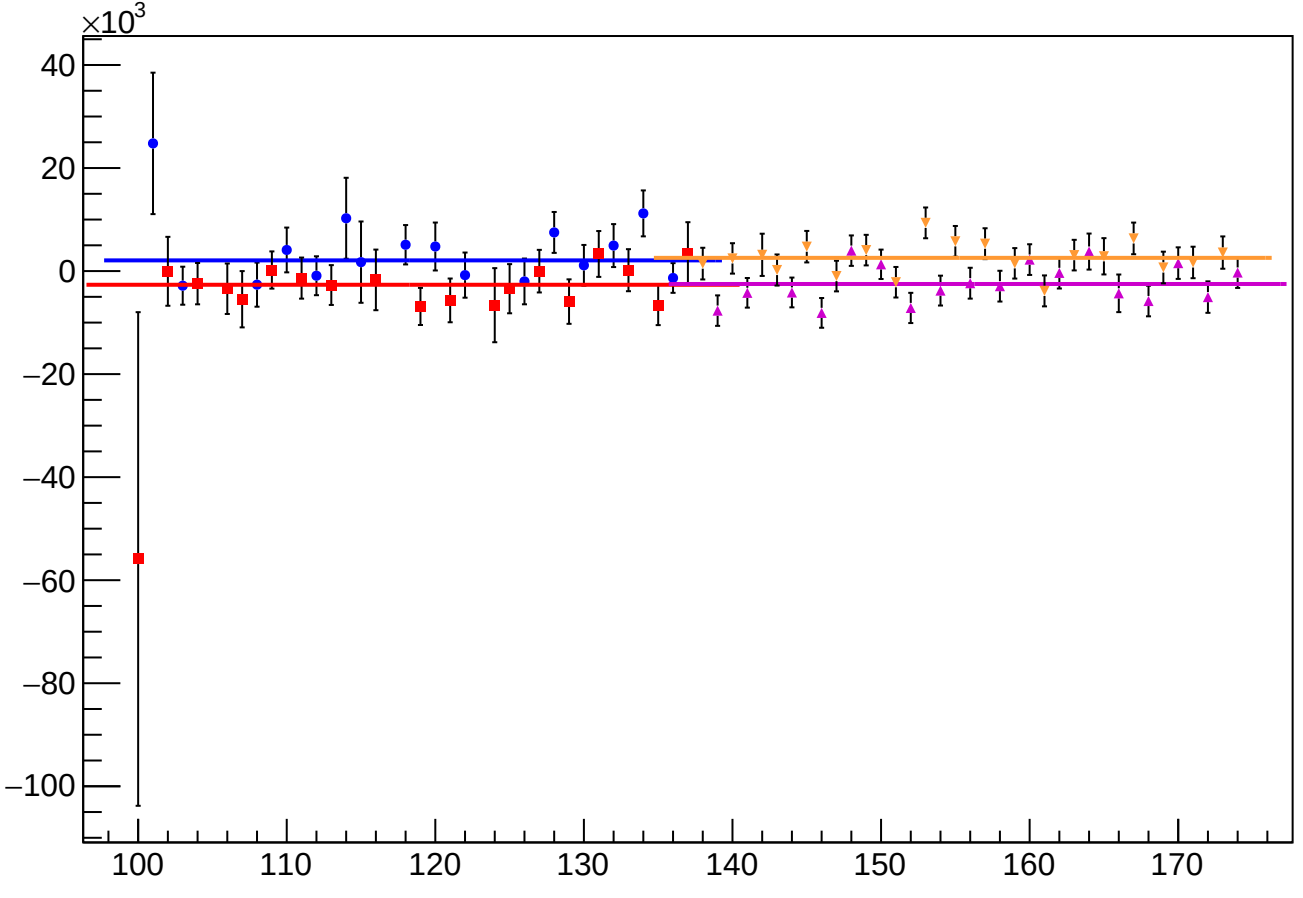
Left In: 795.990+/-0.149 χ^2/NDF:993649.3/17

+ sign 713.791+/-0.112 χ^2/NDF: 3835875.0/34

All: 696.249+/-0.077 χ^2/NDF: 7752678.8/71

- sign 680.413+/-0.107 χ^2/NDF: 3870499.3/36

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2565.675+/-704.912 χ^2/NDF:19.4/18

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

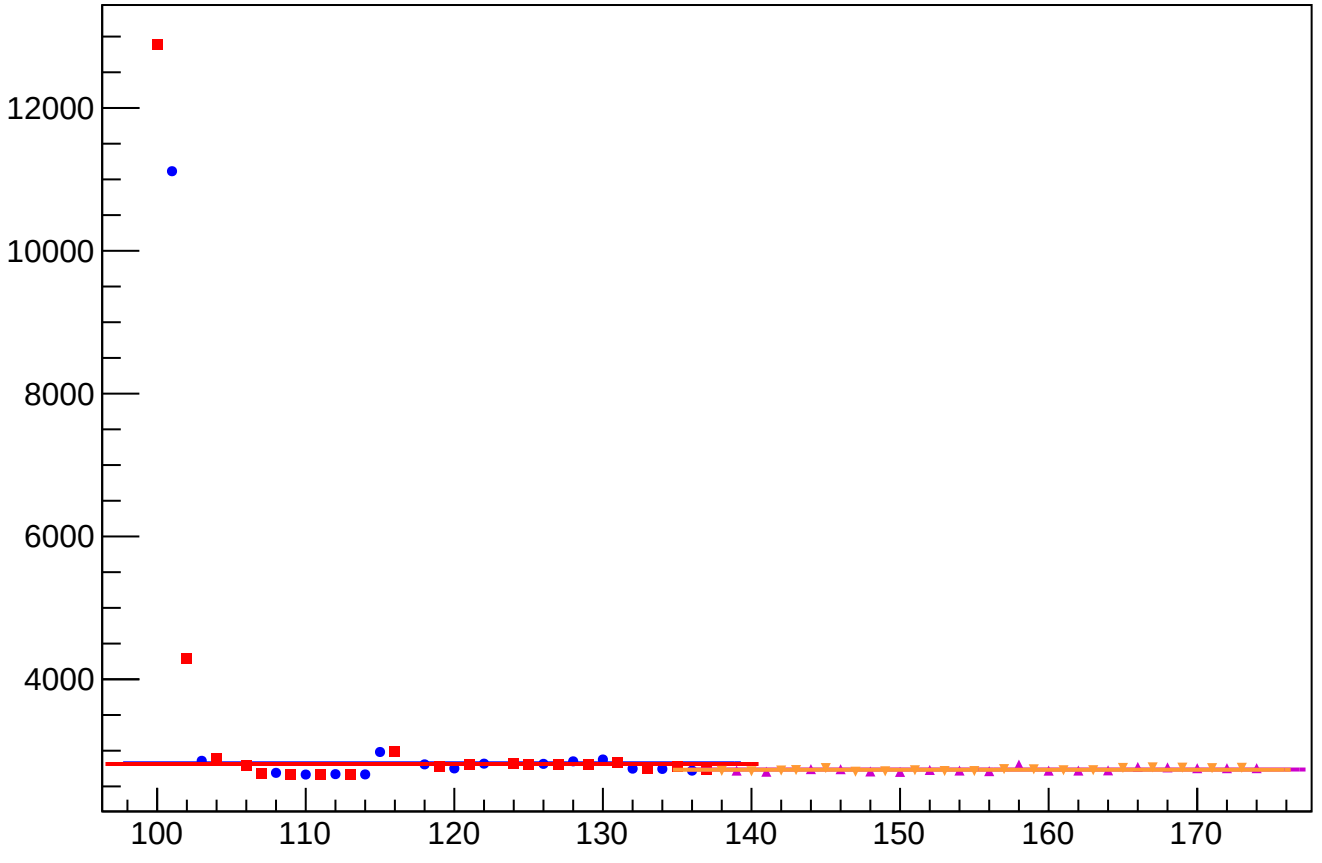
Left In: -2506.741+/-709.344 χ^2/NDF:27.6/17

+ sign 2418.481+/-589.839 χ^2/NDF: 37.5/34

All: -76.498+/-416.343 χ^2/NDF: 110.6/71

- 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: 2733.221+/-0.498 χ^2/NDF:1560.2/18

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

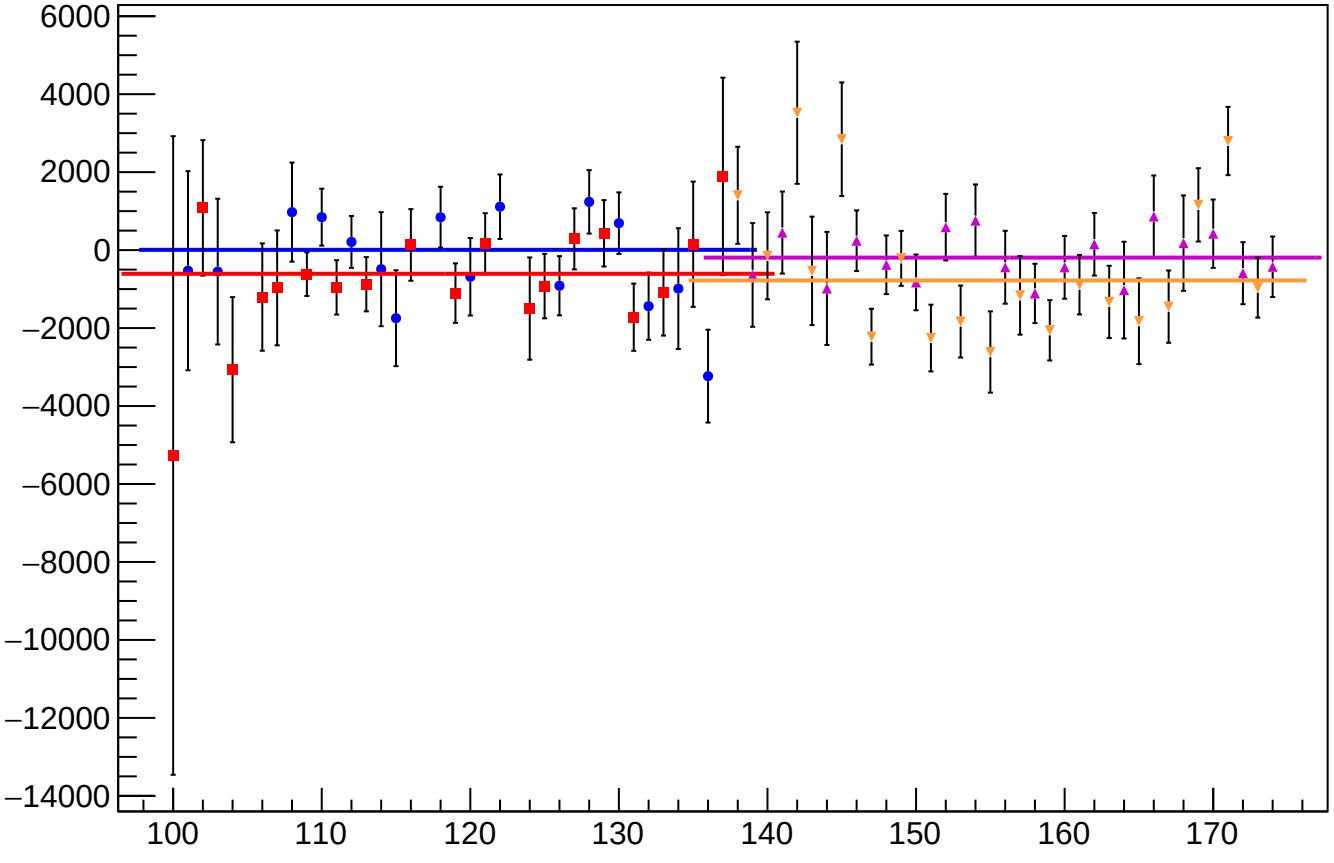
Left In: 2736.409+/-0.502 χ^2/NDF:2703.0/17

+ sign 2760.275+/-0.417 χ^2/NDF: 755300.9/34

All: 2760.474+/-0.294 χ^2/NDF: 965981.7/71

- 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: -778.776+/-214.143 χ^2/NDF:53.0/18

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

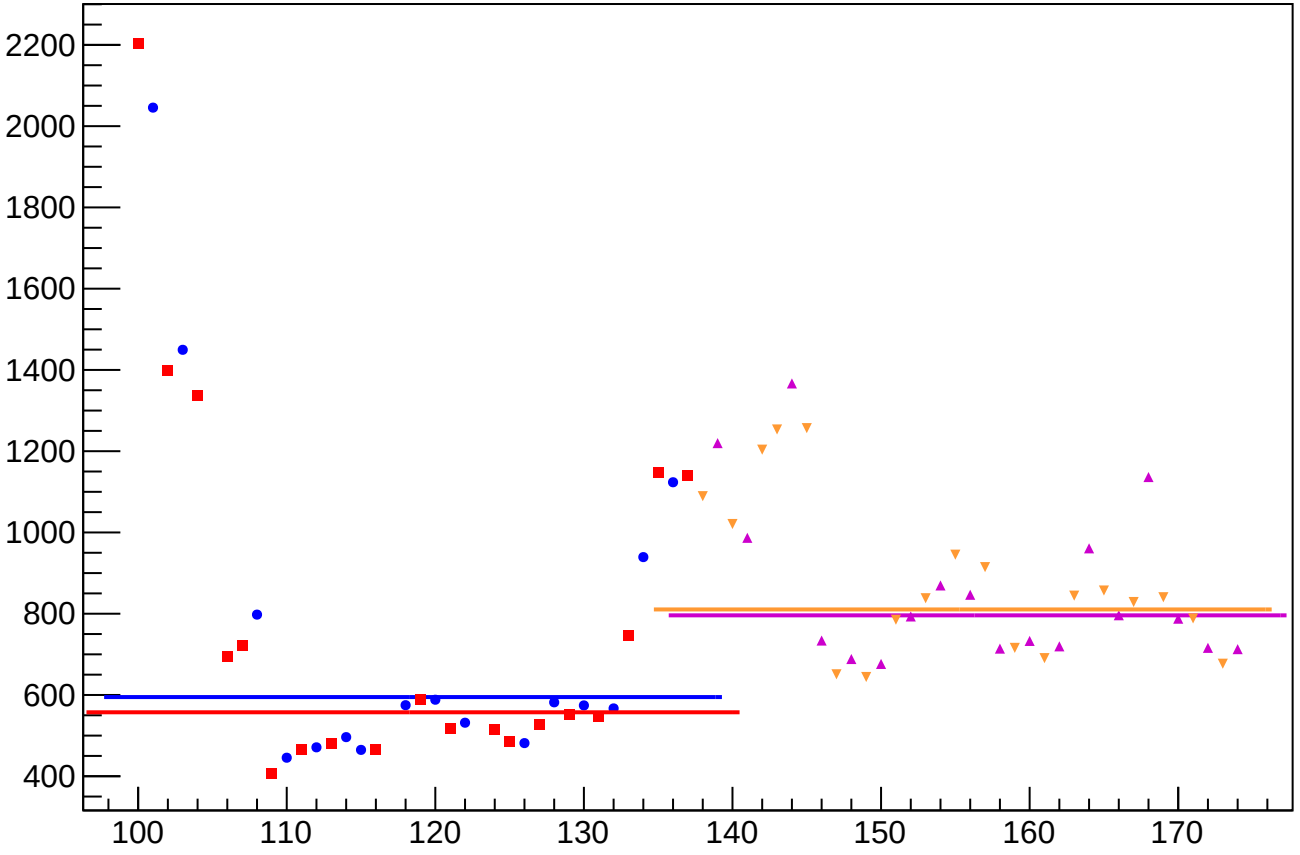
Left In: -192.653+/-210.426 χ^2/NDF:8.0/17

+ sign -426.321+/-159.027 χ^2/NDF: 81.8/34

All: -409.166+/-109.538 χ^2/NDF: 103.9/71

- 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: 810.519+/-0.151 χ^2/NDF:1073427.0/18

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

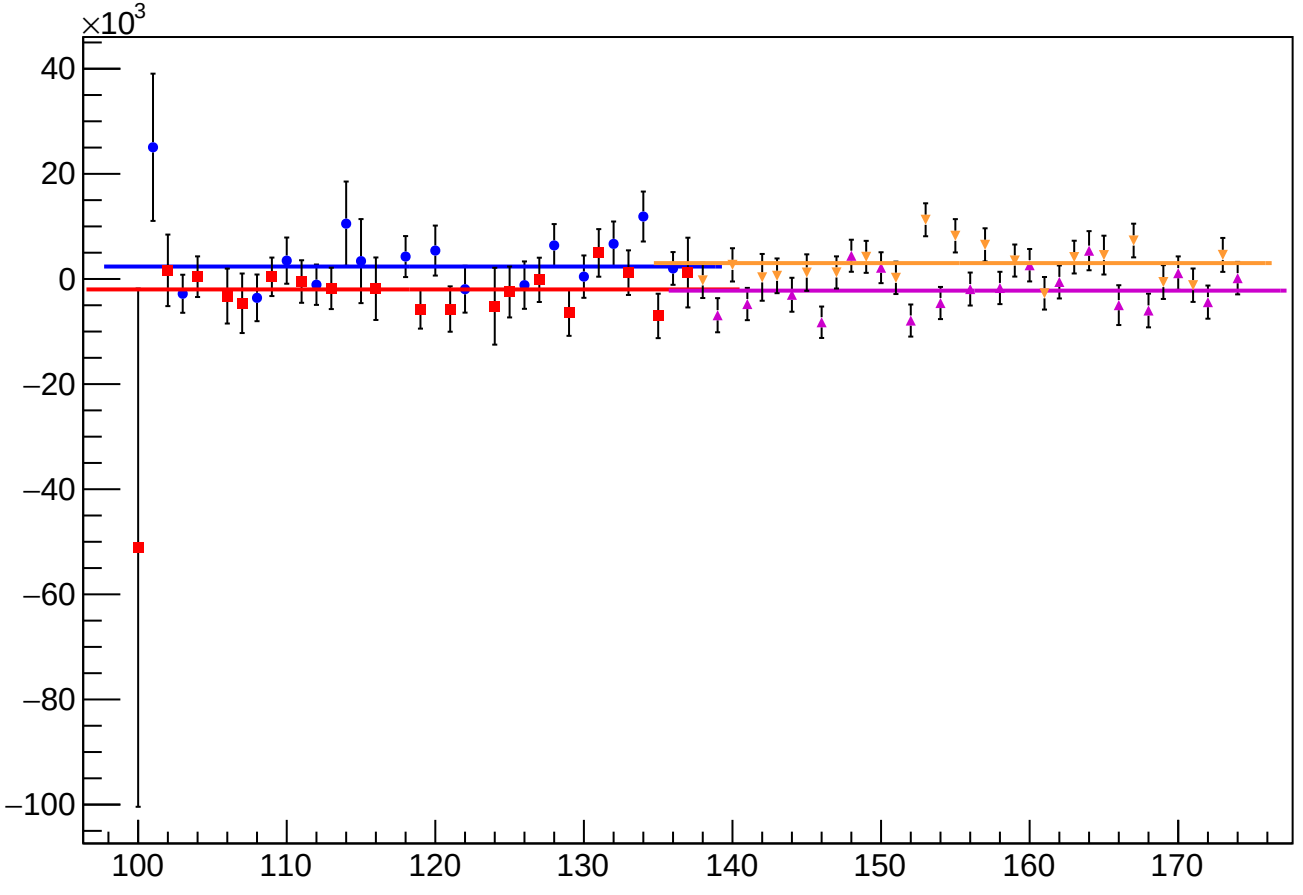
Left In: 795.990+/-0.149 χ^2/NDF:993653.0/17

+ sign 713.792+/-0.112 χ^2/NDF: 3835868.9/34

All: 696.250+/-0.077 χ^2/NDF: 7752672.1/71

- 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: 3021.153+/-742.675 χ^2/NDF:23.1/18

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

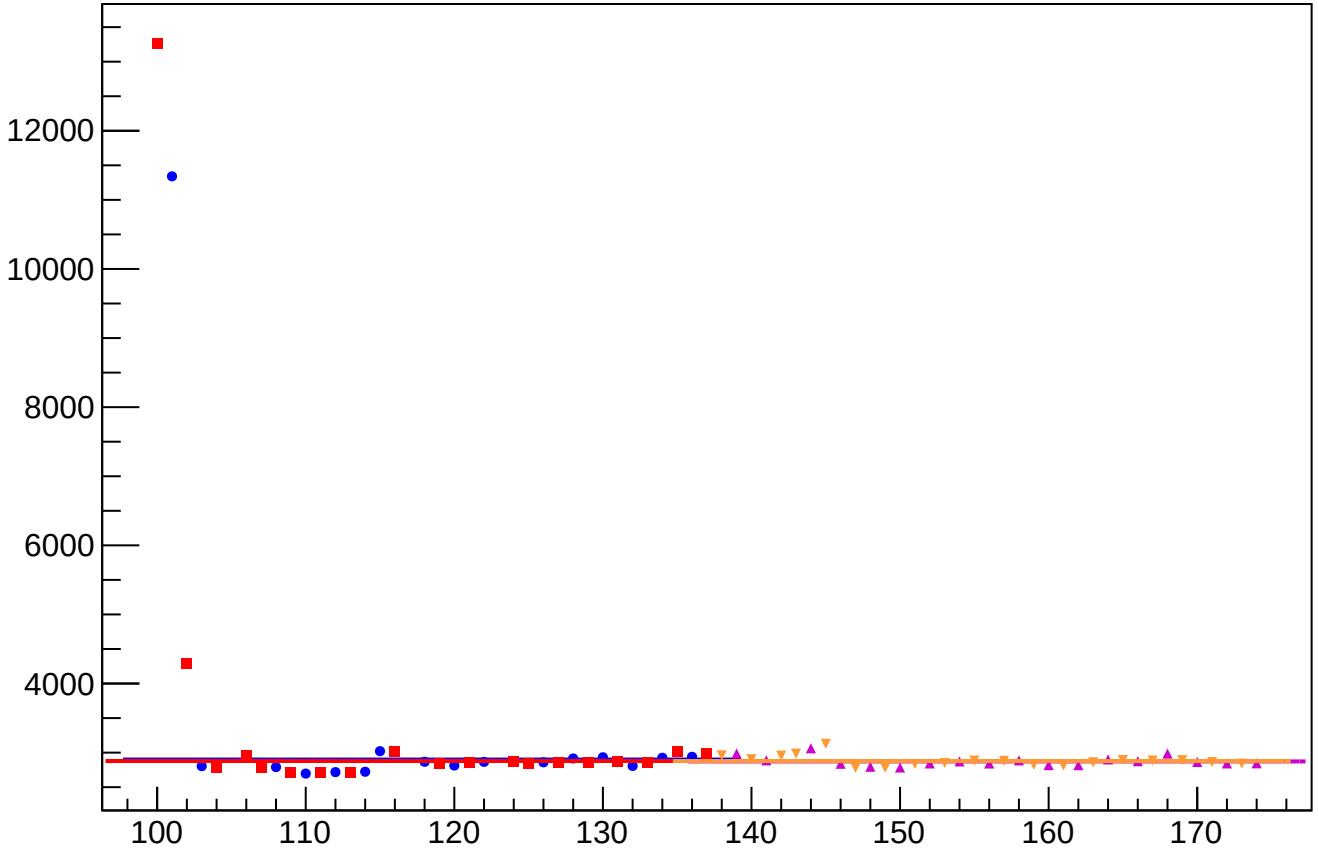
Left In: -2216.083+/-744.886 χ^2/NDF:28.9/17

+ sign 2817.963+/-616.600 χ^2/NDF: 40.2/34

All: 320.808+/-434.482 χ^2/NDF: 112.0/71

- 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: 2878.294+/-0.525 χ^2/NDF:20896.6/18

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

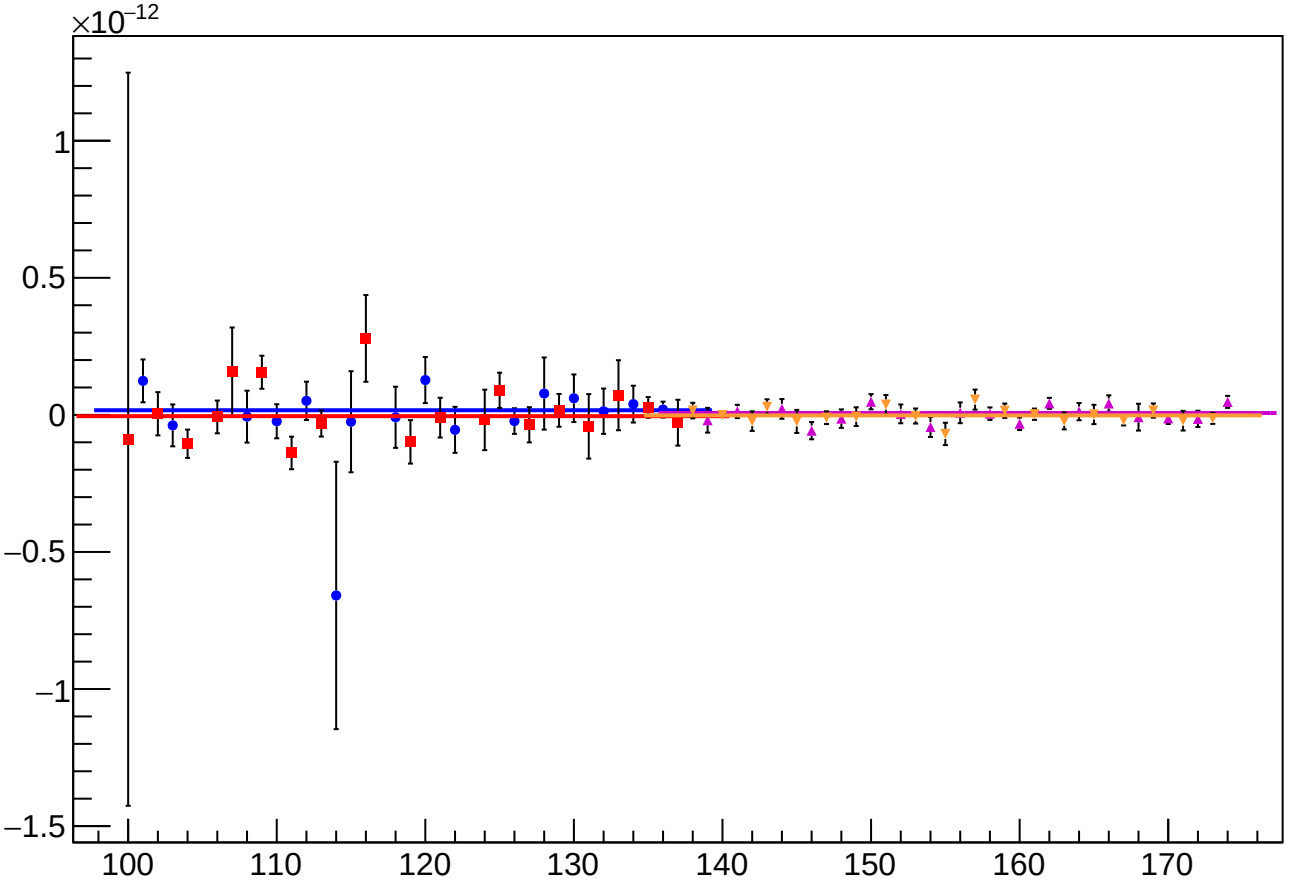
Left In: 2872.586+/-0.527 χ^2/NDF:17337.2/17

+ sign 2884.984+/-0.436 χ^2/NDF: 763237.1/34

All: 2879.782+/-0.307 χ^2/NDF: 974186.9/71

- 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:11.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

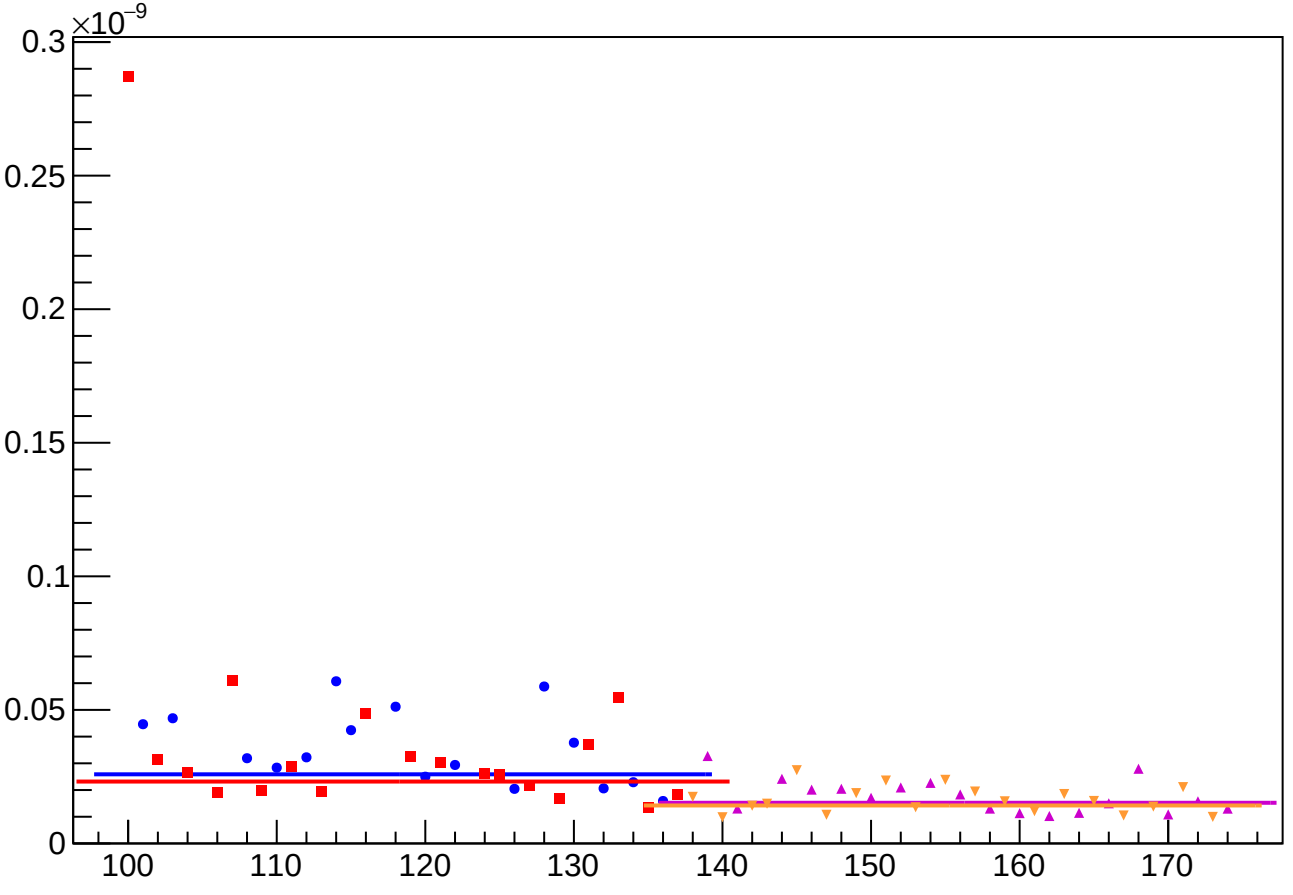
Left In: 0.000+/-0.000 χ^2/NDF:21.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 21.7/34

All: 0.000+/-0.000 χ^2/NDF: 69.8/71

- 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:1028342.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

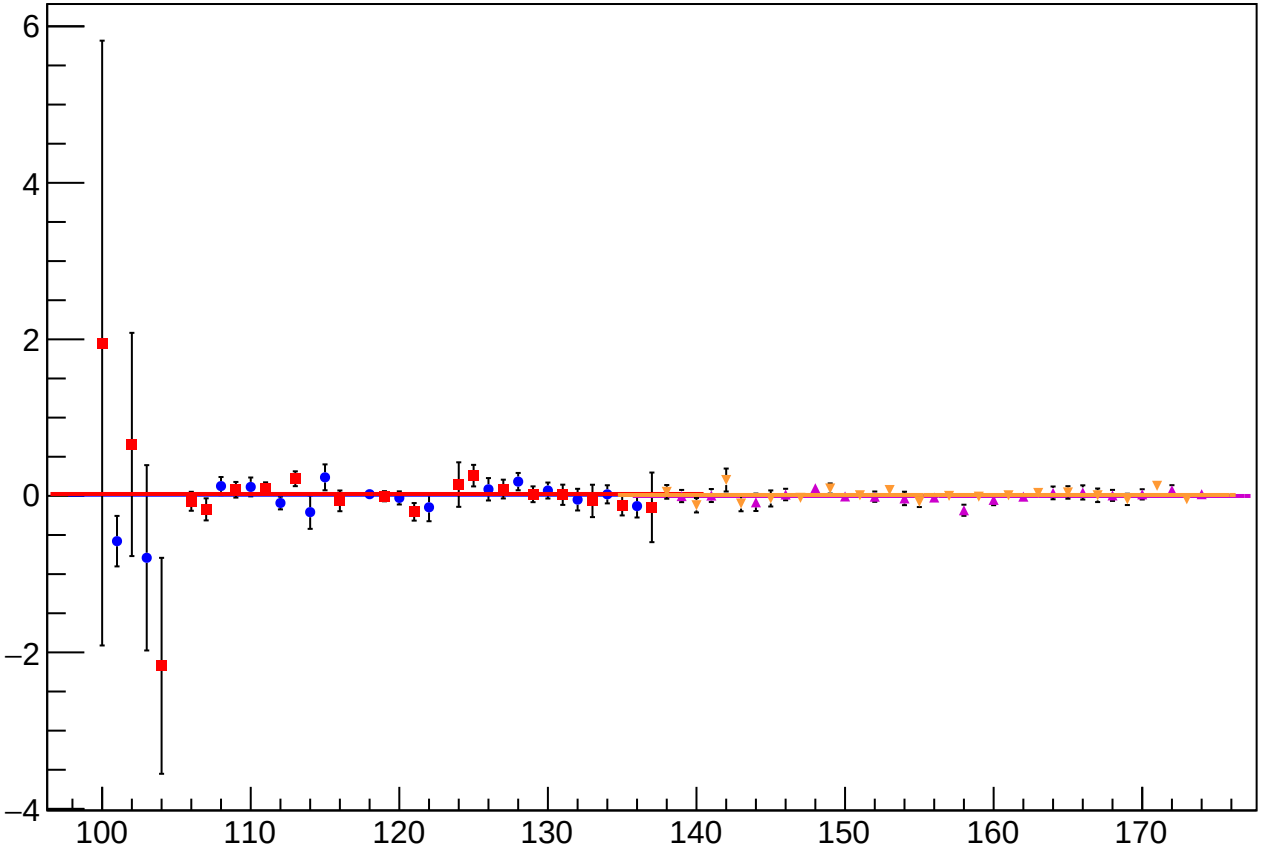
Left In: 0.000+/-0.000 χ^2/NDF:1172313.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 2736354.1/34

All: 0.000+/-0.000 χ^2/NDF: 5052714.3/71

- 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: 0.012+/-0.016 χ^2/NDF:16.1/18

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

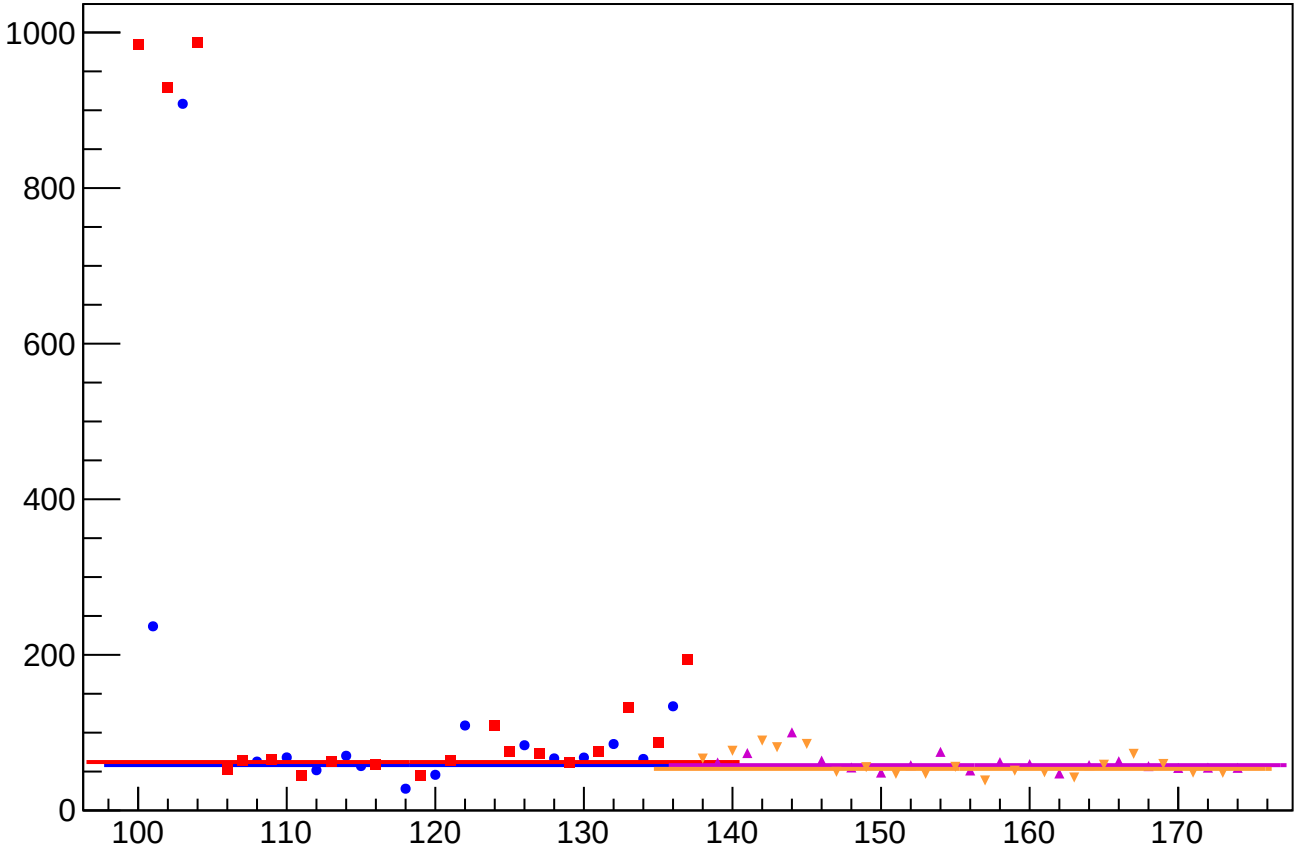
Left In: -0.001+/-0.017 χ^2/NDF:12.4/17

+ sign 0.012+/-0.014 χ^2/NDF: 31.2/34

All: 0.009+/-0.010 χ^2/NDF: 65.1/71

- 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: 53.441+/-0.011 χ^2/NDF:1089809.9/18

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

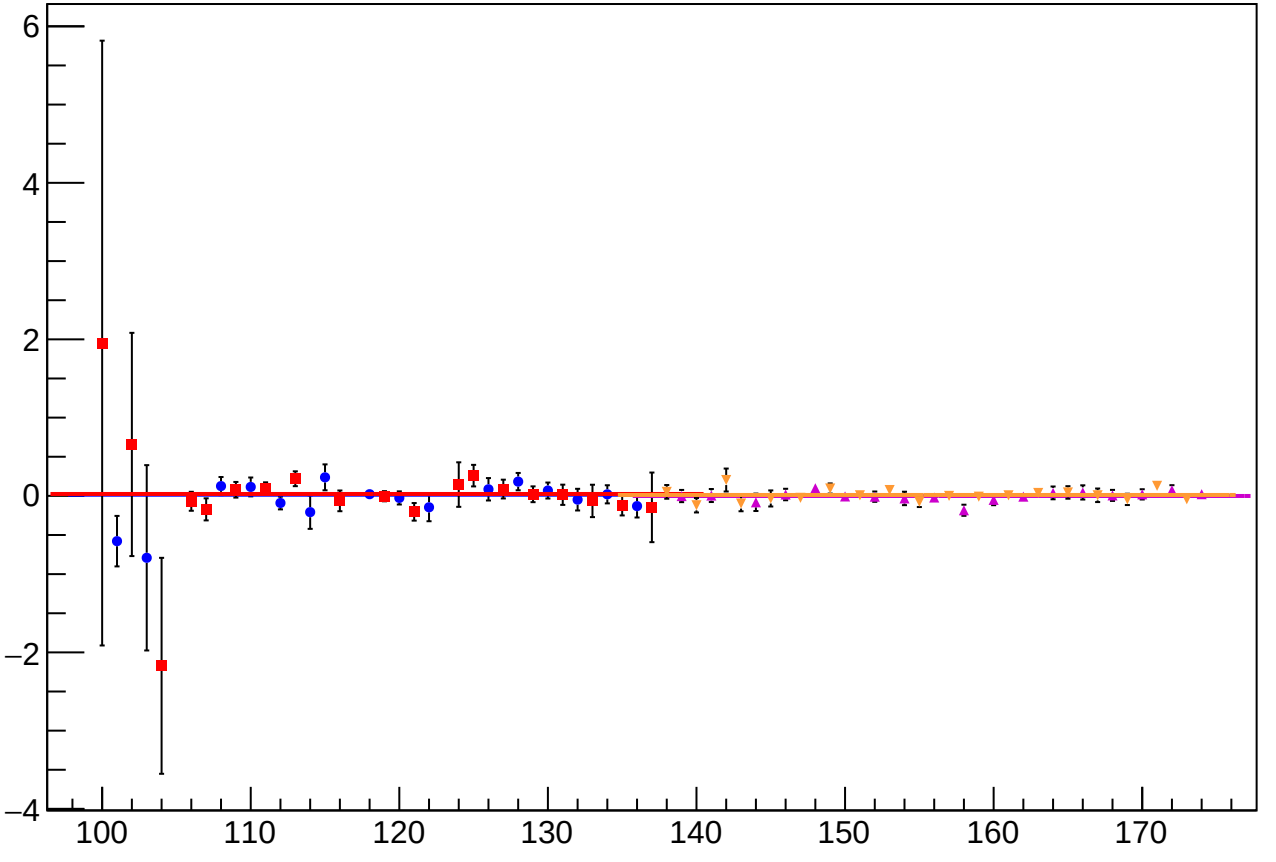
Left In: 58.221+/-0.012 χ^2/NDF:636599.7/17

+ sign 54.613+/-0.010 χ^2/NDF: 4396754.3/34

All: 56.839+/-0.007 χ^2/NDF: 7801689.2/71

- 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: 0.012+/-0.016 χ^2/NDF:16.1/18

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

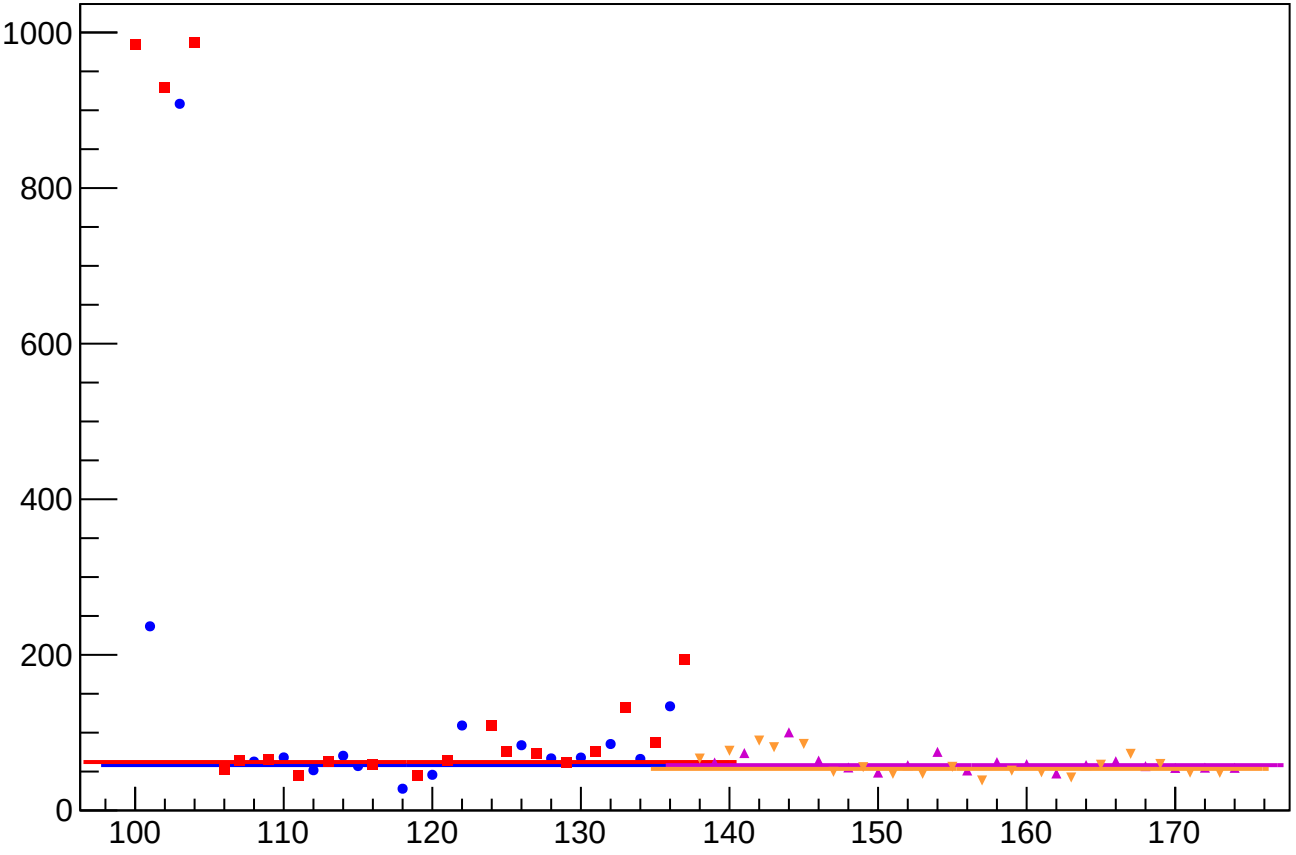
Left In: -0.001+/-0.017 χ^2/NDF:12.4/17

+ sign 0.012+/-0.014 χ^2/NDF: 31.2/34

All: 0.009+/-0.010 χ^2/NDF: 65.1/71

- 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: 53.441+/-0.011 χ^2/NDF:1089809.9/18

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

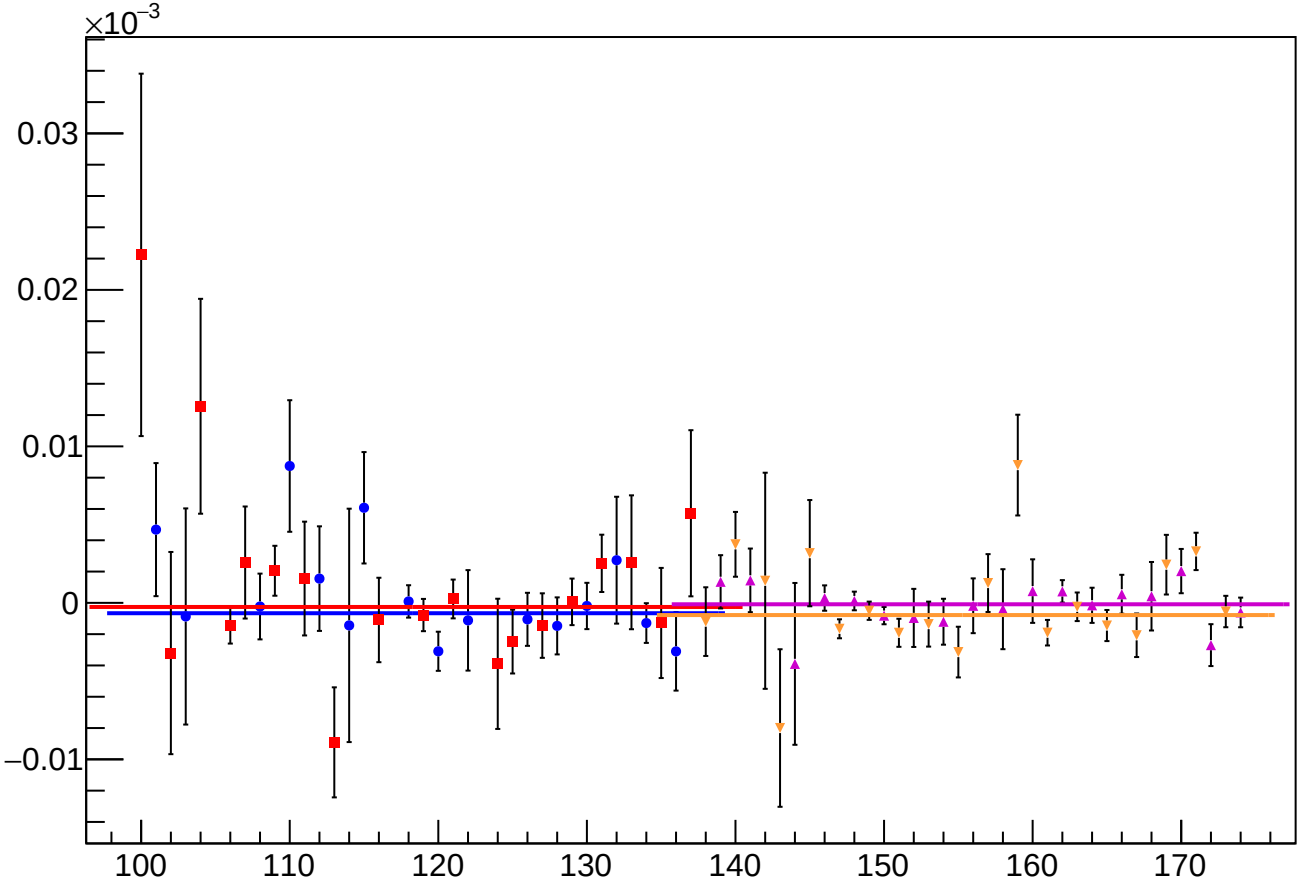
Left In: 58.221+/-0.012 χ^2/NDF:636599.7/17

+ sign 54.613+/-0.010 χ^2/NDF: 4396754.3/34

All: 56.839+/-0.007 χ^2/NDF: 7801689.2/71

- 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:42.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

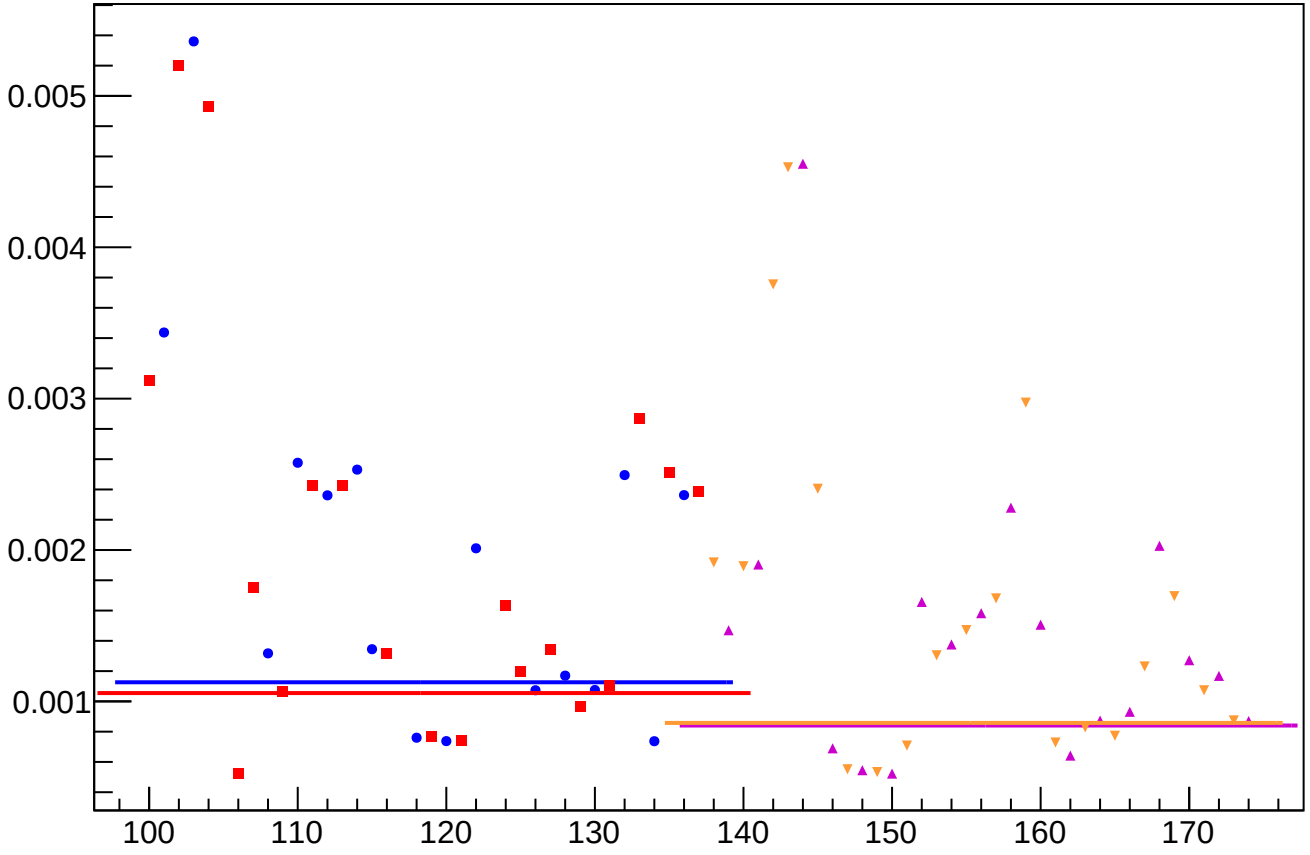
Left In: -0.000+/-0.000 χ^2/NDF:12.9/17

+ sign -0.000+/-0.000 χ^2/NDF: 60.0/34

All: -0.000+/-0.000 χ^2/NDF: 101.3/71

- 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:6383913.7/18

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

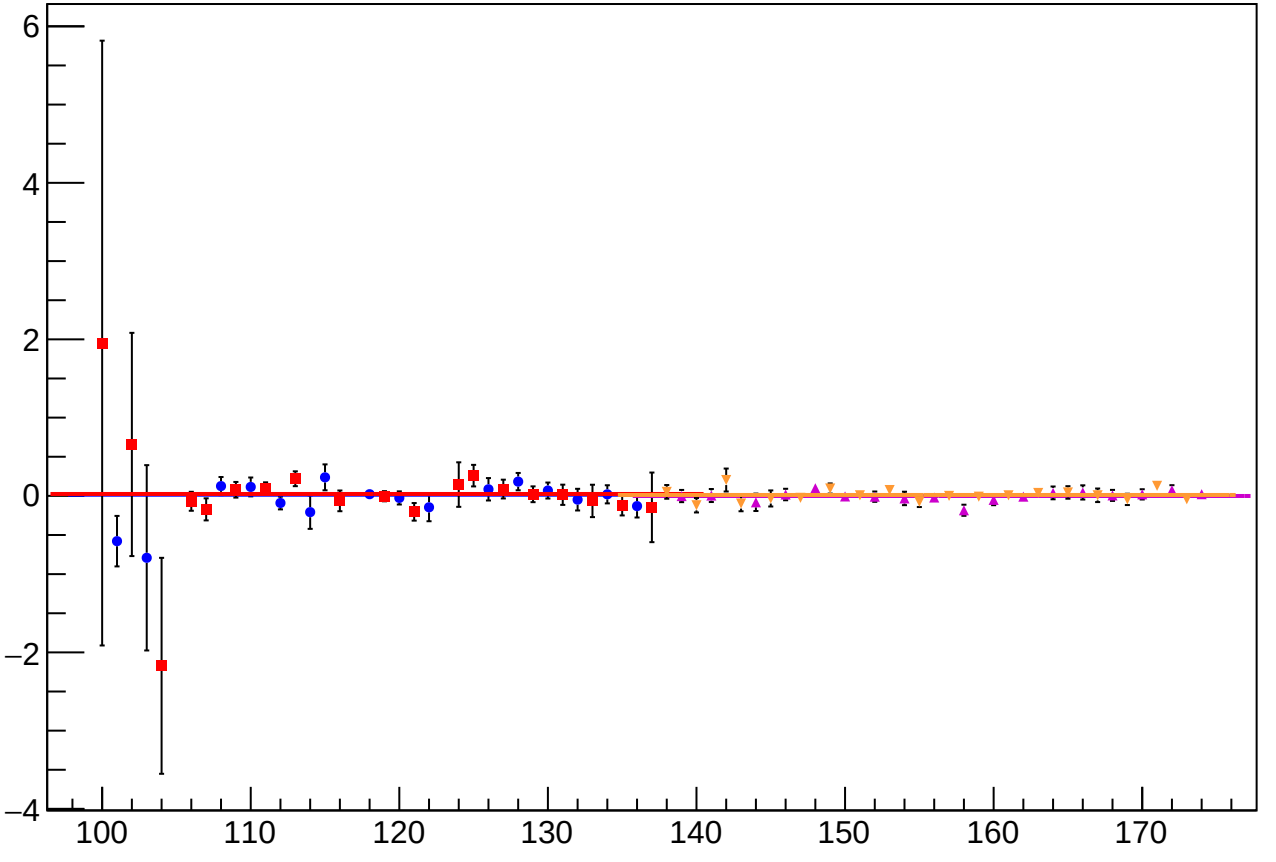
Left In: 0.001+/-0.000 χ^2/NDF:5997072.0/17

+ sign 0.001+/-0.000 χ^2/NDF: 10306227.2/34

All: 0.001+/-0.000 χ^2/NDF: 20493368.4/71

- 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: 0.012+/-0.016 χ^2/NDF:16.1/18

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

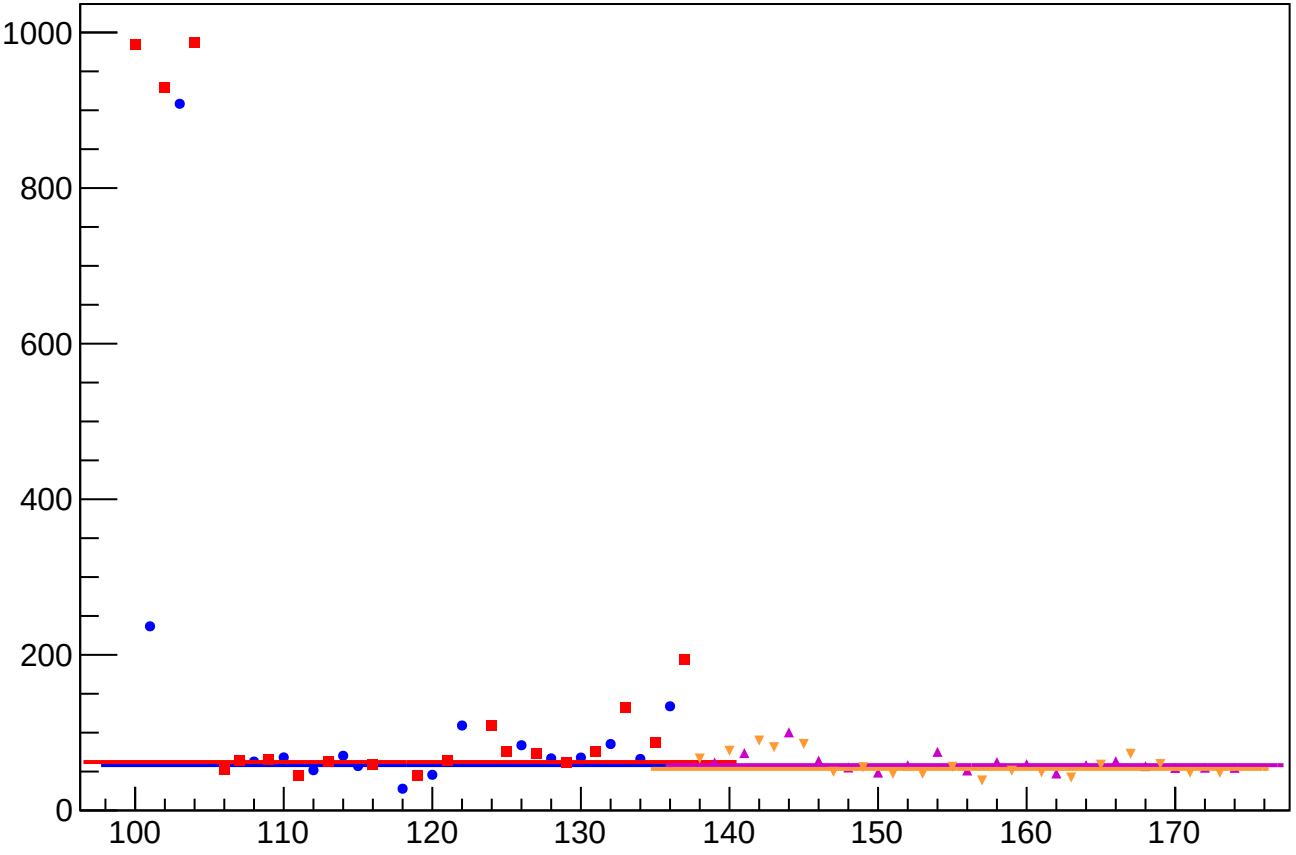
Left In: -0.001+/-0.017 χ^2/NDF:12.4/17

+ sign 0.012+/-0.014 χ^2/NDF: 31.2/34

All: 0.009+/-0.010 χ^2/NDF: 65.1/71

- 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: 53.440+/-0.011 χ^2/NDF:1089874.5/18

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

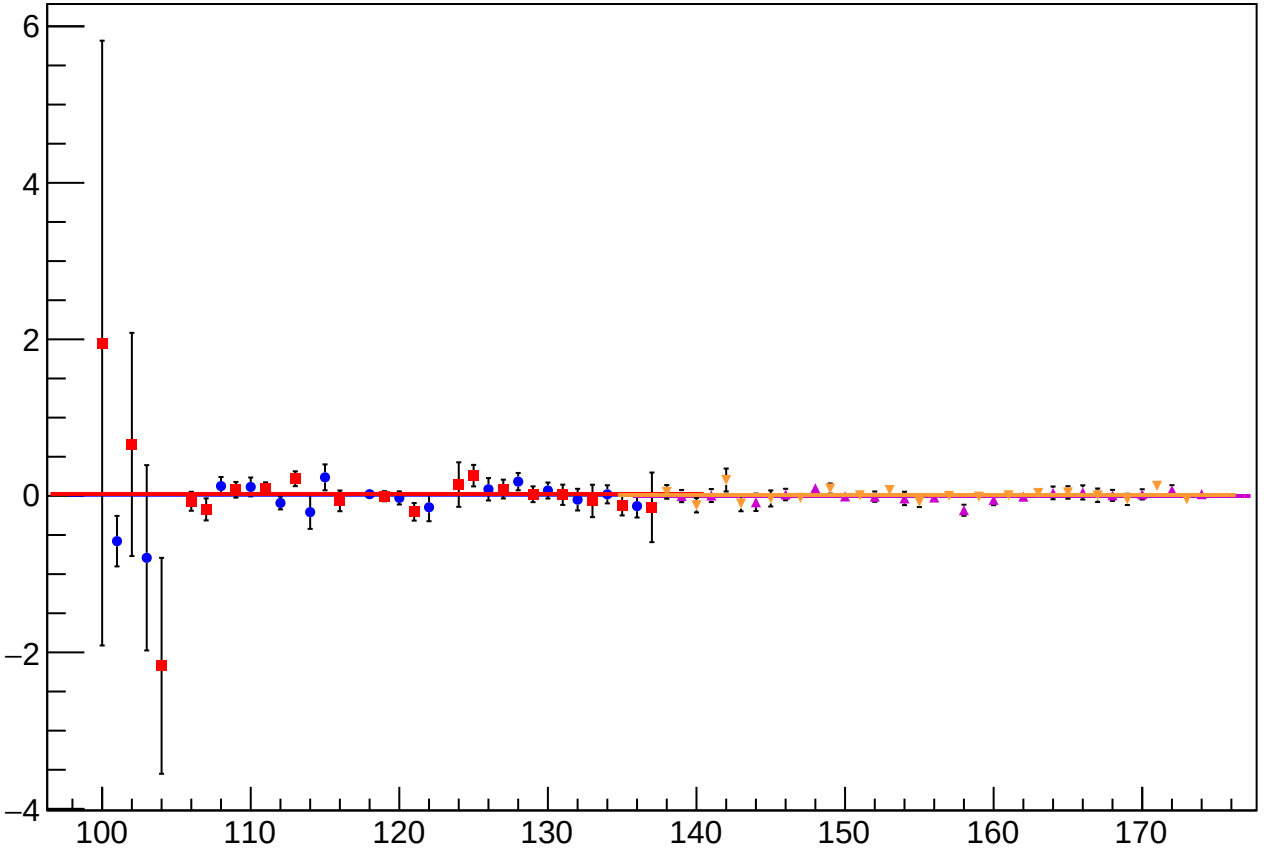
Left In: 58.221+/-0.012 χ^2/NDF:636622.5/17

\+ sign 54.613+/-0.010 χ^2/NDF: 4396893.1/34

All: 56.838+/-0.007 χ^2/NDF: 7801867.6/71

\- sign 59.255+/-0.010 χ^2/NDF: 3294098.5/36

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.012+/-0.016 χ^2/NDF:16.1/18

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

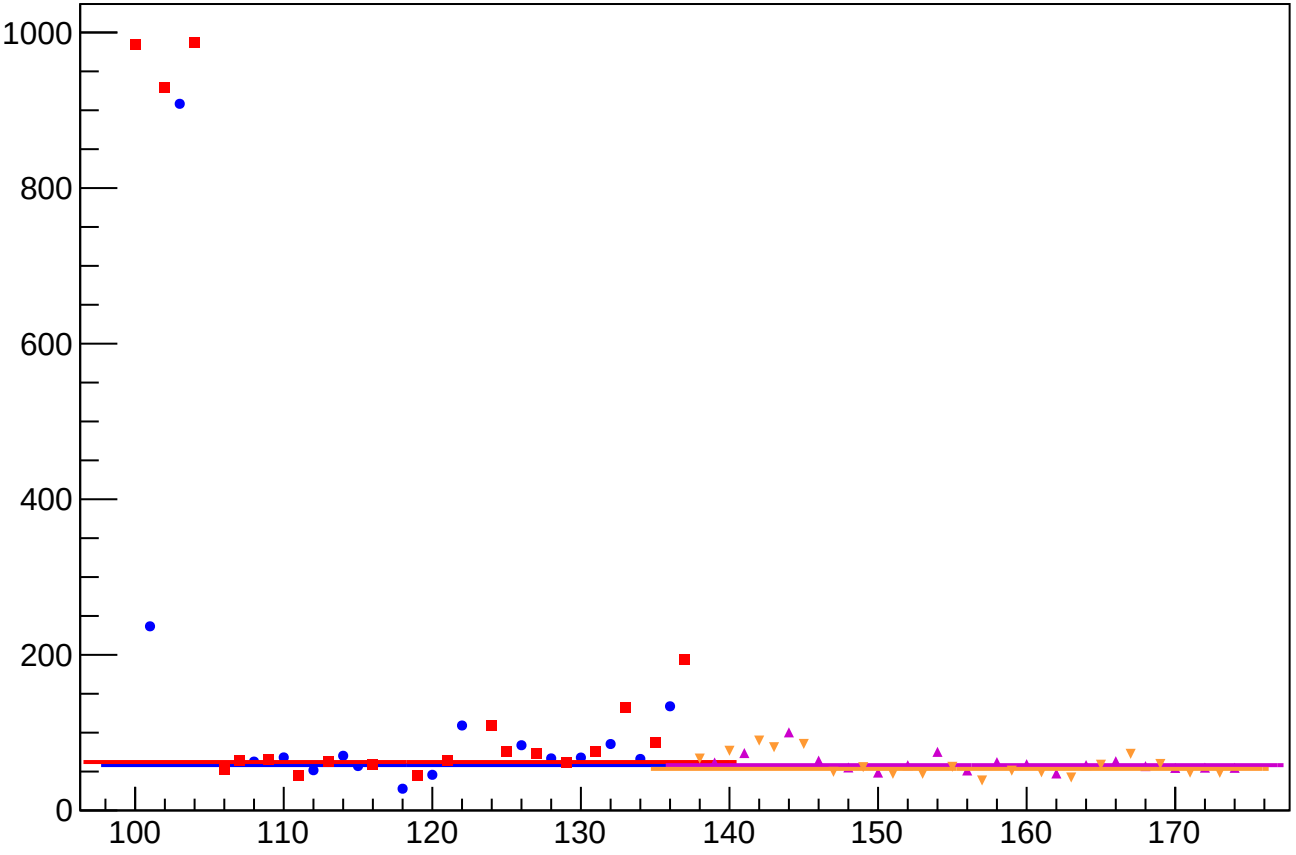
Left In: -0.001+/-0.017 χ^2/NDF:12.4/17

+ sign 0.012+/-0.014 χ^2/NDF: 31.2/34

All: 0.009+/-0.010 χ^2/NDF: 65.1/71

- 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: 53.440+/-0.011 χ^2/NDF:1089874.5/18

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

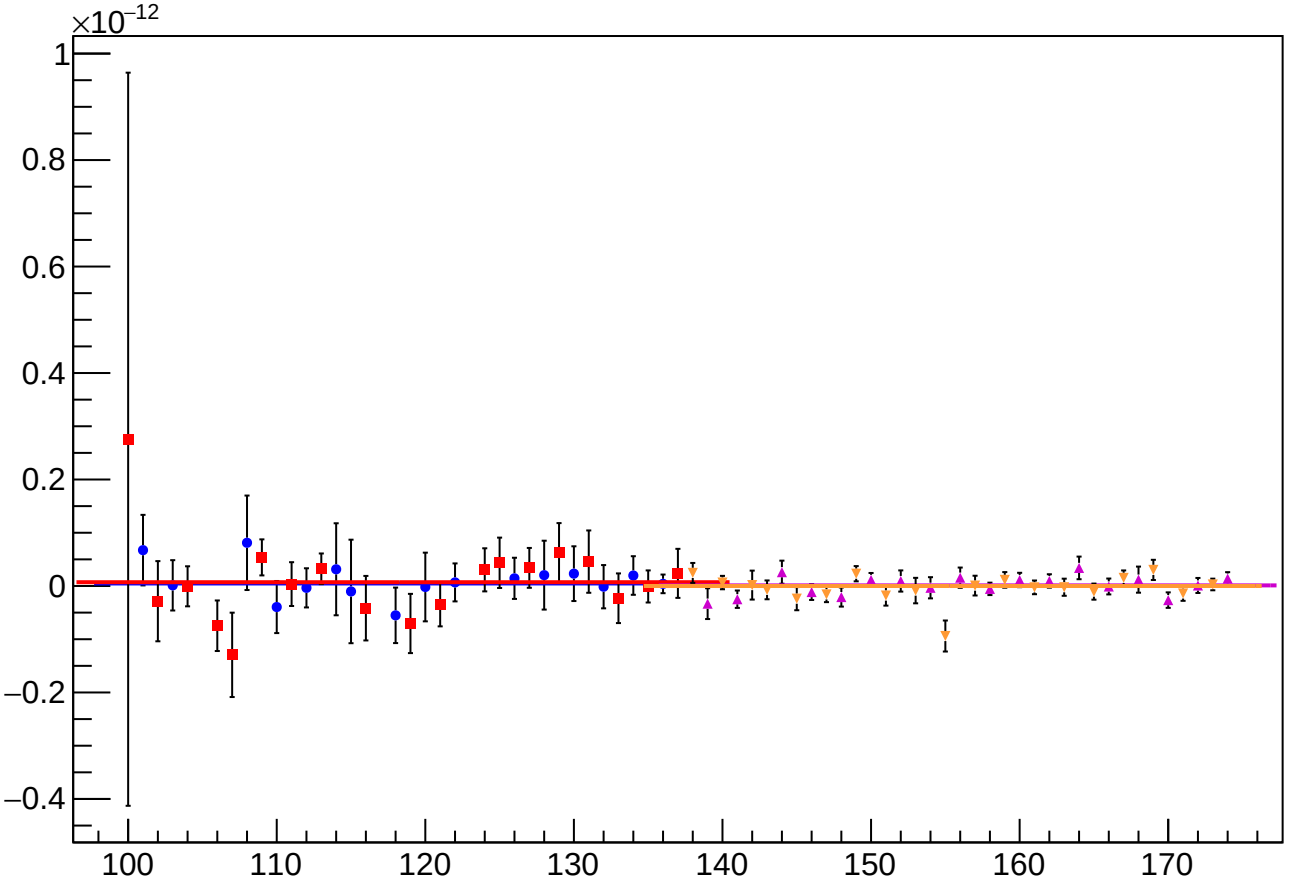
Left In: 58.221+/-0.012 χ^2/NDF:636622.5/17

+ sign 54.613+/-0.010 χ^2/NDF: 4396893.1/34

All: 56.838+/-0.007 χ^2/NDF: 7801867.6/71

- 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:24.6/18

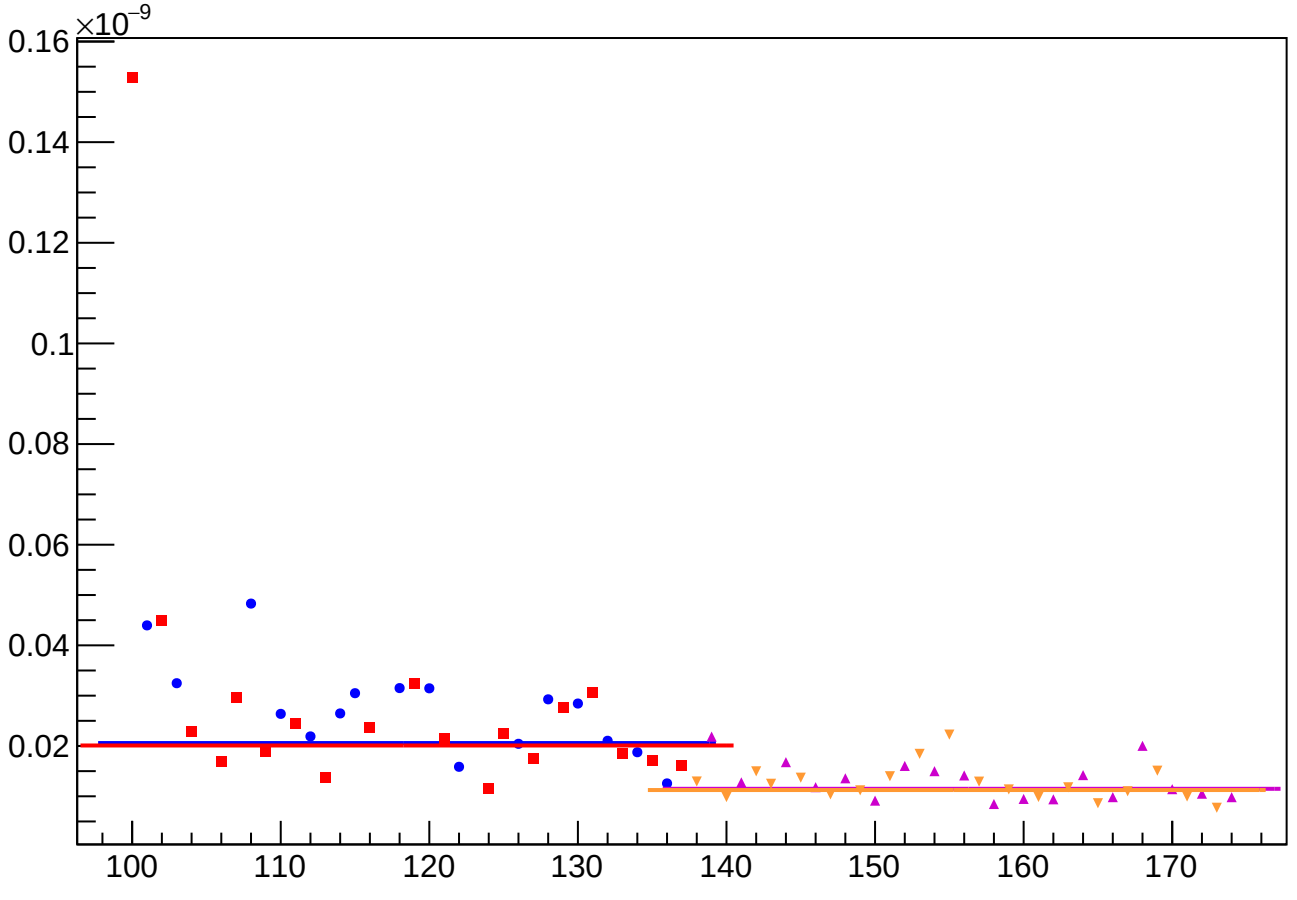
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:17.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 29.2/34

All: 0.000+/-0.000 χ^2/NDF: 63.2/71

- sign 0.000+/-0.000 χ^2/NDF: 34.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1039509.9/18

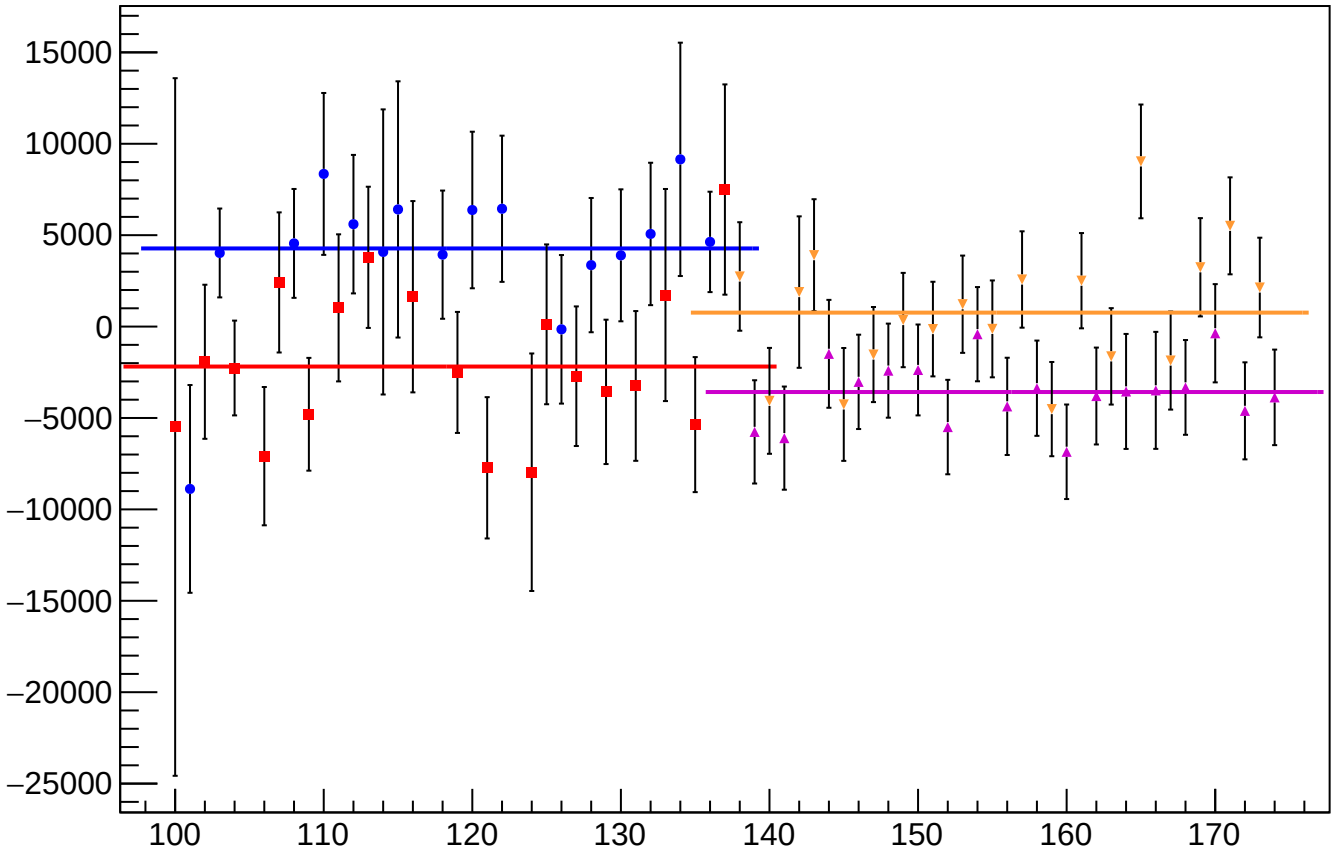
Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1270306.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 3829524.5/34

All: 0.000+/-0.000 χ^2/NDF: 7191769.8/71

- 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: 763.375+/-635.452 χ^2/NDF:26.3/18

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

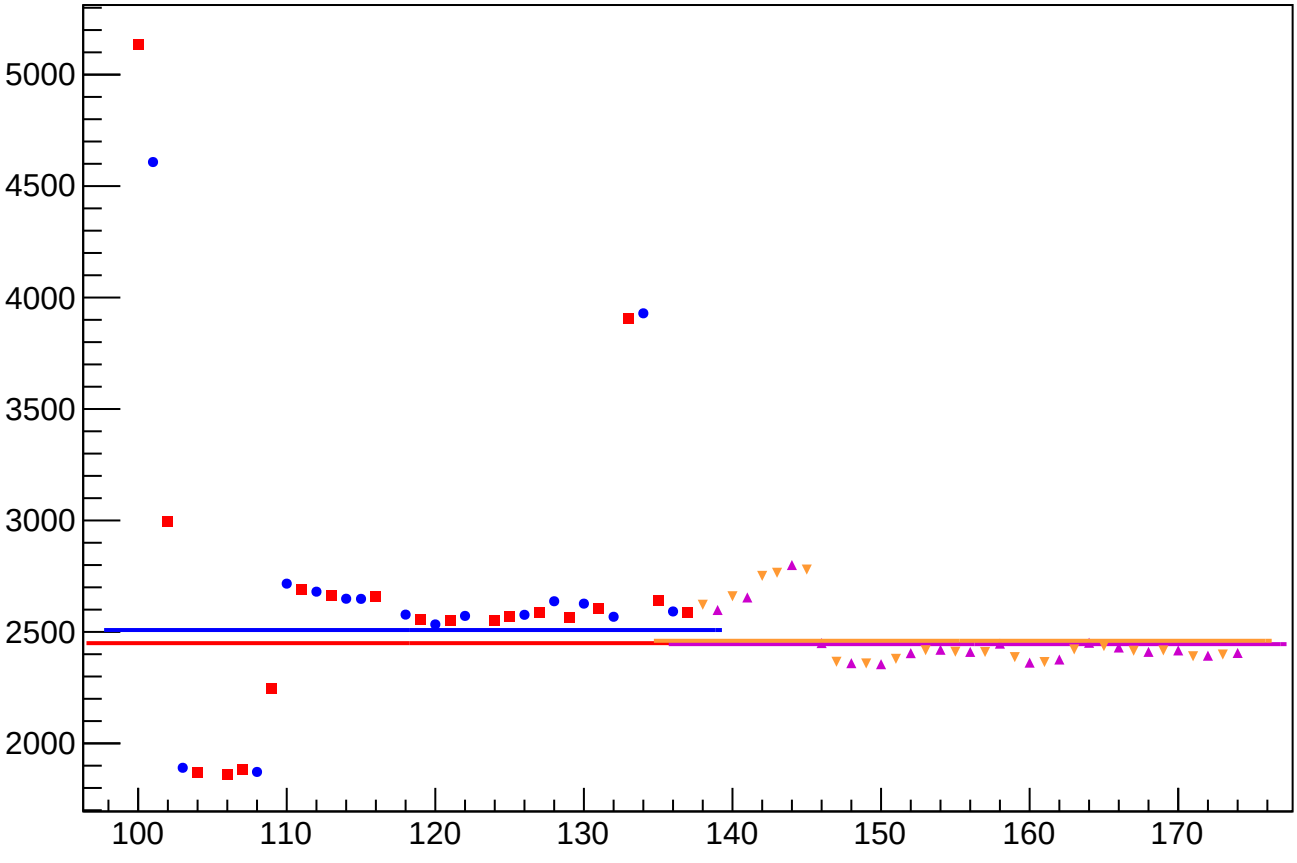
Left In: -3580.019+/-634.454 χ^2/NDF:7.7/17

+ sign 1845.608+/-528.519 χ^2/NDF: 44.6/34

All: -670.932+/-371.639 χ^2/NDF: 113.6/71

- 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: 2460.284+/-0.449 χ^2/NDF:84518.0/18

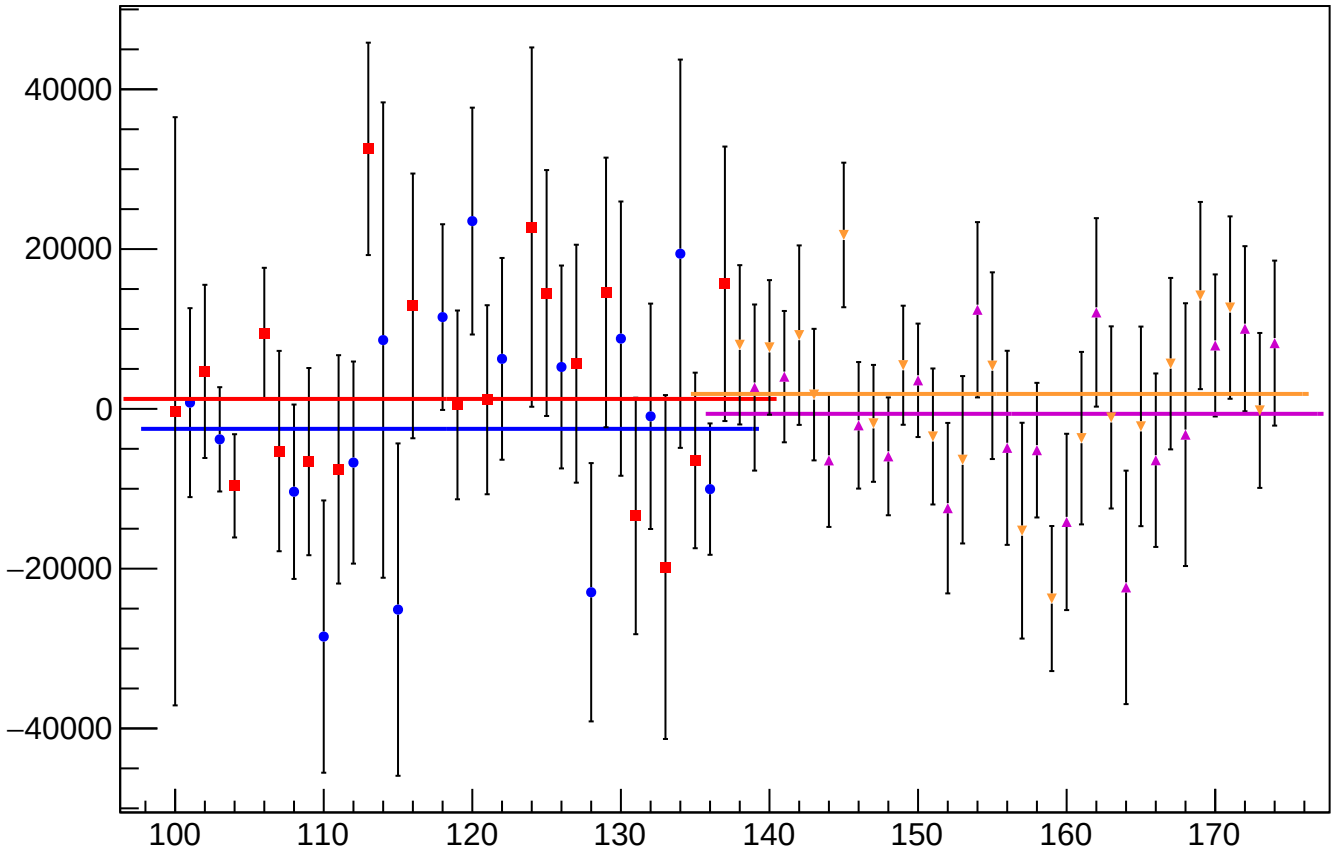
Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2445.187+/-0.449 χ^2/NDF:56936.2/17

+ sign 2475.135+/-0.374 χ^2/NDF: 699652.0/34

All: 2460.715+/-0.263 χ^2/NDF: 1196465.6/71

- sign 2446.612+/-0.370 χ^2/NDF: 493868.6/36



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1870.724+/-2232.995 χ^2/NDF:19.9/18

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

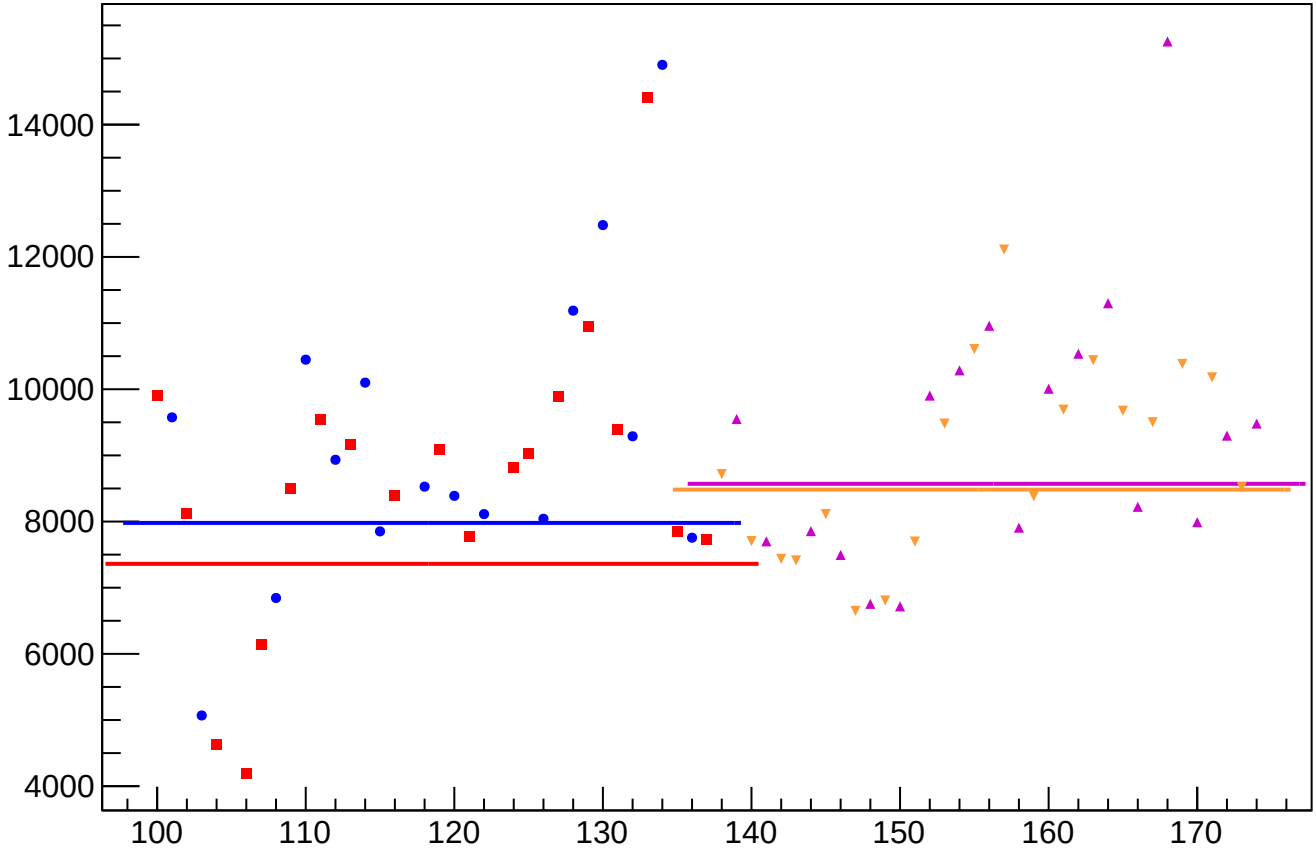
Left In: -620.320+/-2269.026 χ^2/NDF:12.8/17

+ sign 361.834+/-1806.963 χ^2/NDF: 35.0/34

All: 229.774+/-1266.555 χ^2/NDF: 64.6/71

- sign 102.230+/-1775.802 χ^2/NDF: 29.6/36

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8482.704+/-1.579 χ^2/NDF:762286.4/18

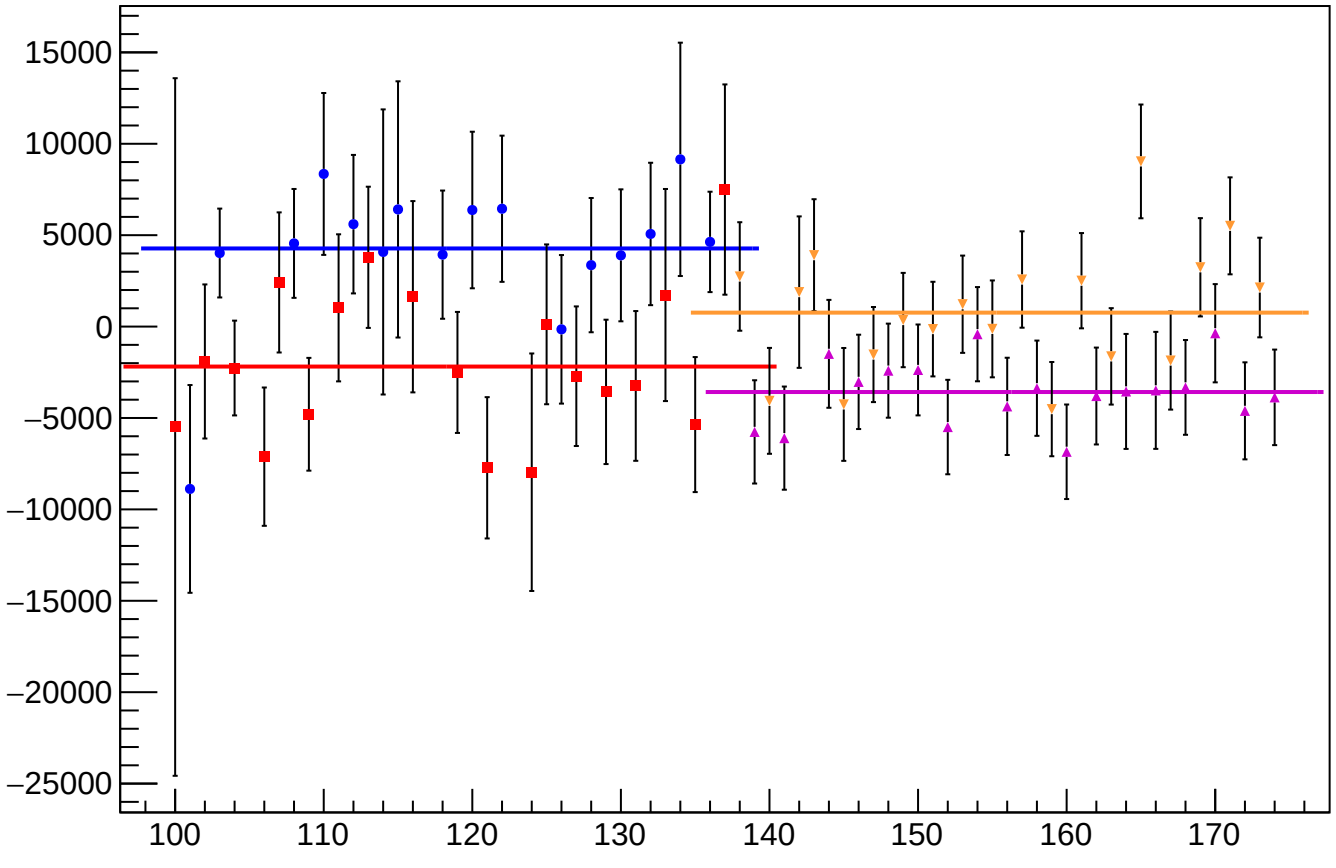
Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8570.620+/-1.604 χ^2/NDF:1044748.9/17

+ sign 8309.005+/-1.278 χ^2/NDF: 1720429.9/34

All: 8203.600+/-0.896 χ^2/NDF: 4284908.8/71

- sign 8101.799+/-1.256 χ^2/NDF: 2551100.8/36



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 763.163+/-635.452 χ^2/NDF:26.3/18

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

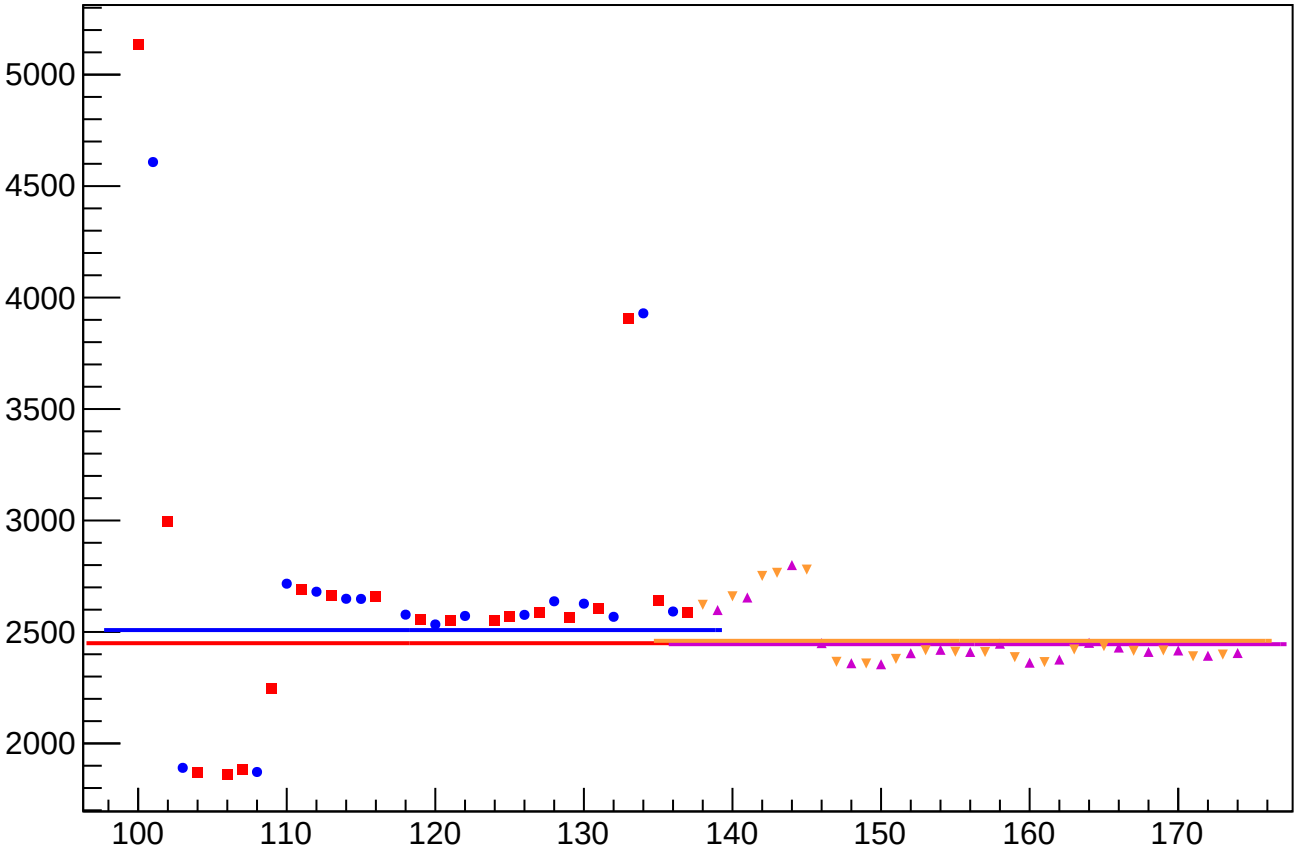
Left In: -3579.884+/-634.454 χ^2/NDF:7.7/17

+ sign 1845.309+/-528.519 χ^2/NDF: 44.6/34

All: -671.131+/-371.639 χ^2/NDF: 113.6/71

- 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: 2460.284+/-0.449 χ^2/NDF:84518.0/18

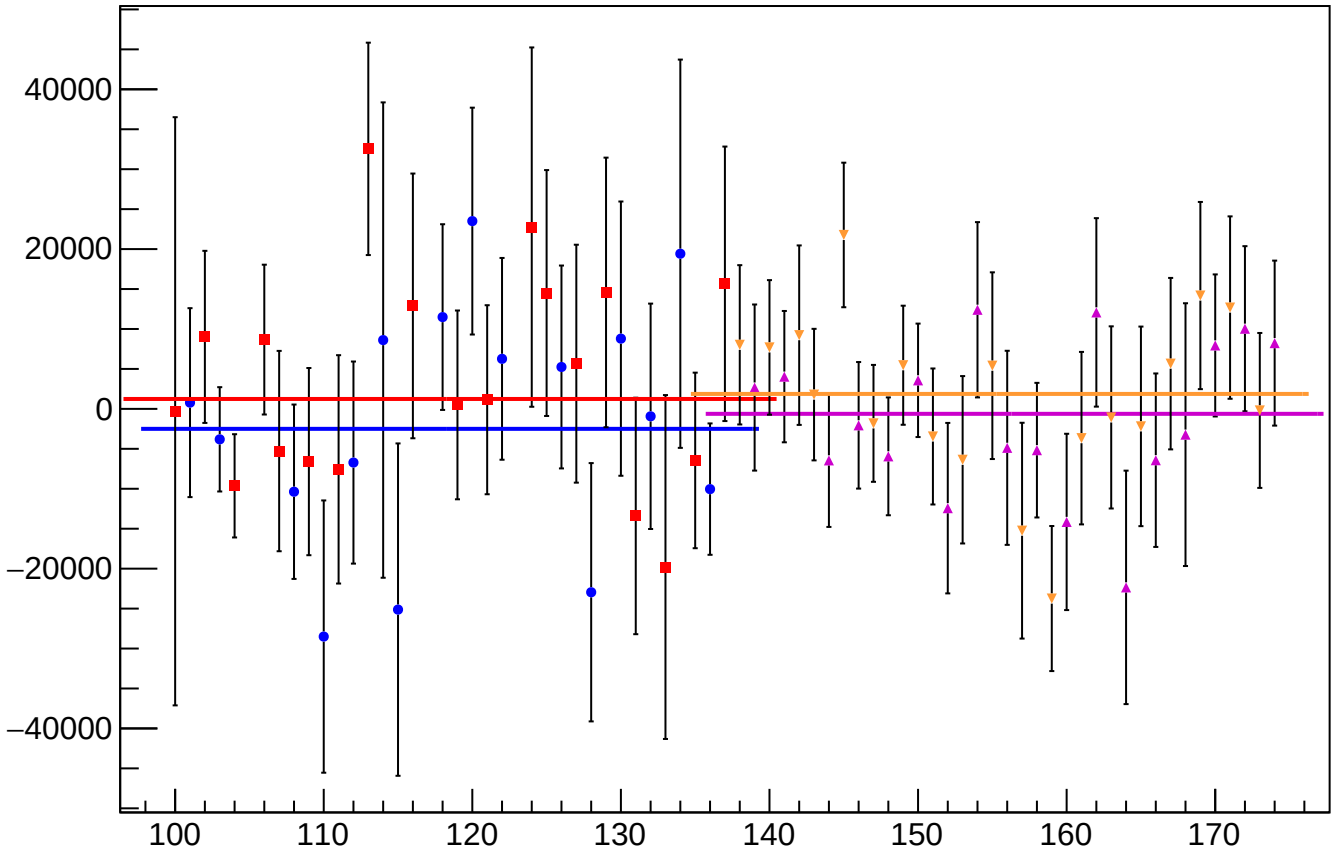
Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2445.187+/-0.449 χ^2/NDF:56936.2/17

+ sign 2475.136+/-0.374 χ^2/NDF: 699650.0/34

All: 2460.719+/-0.263 χ^2/NDF: 1196407.9/71

- 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: 1870.705+/-2232.992 χ^2/NDF:19.9/18

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

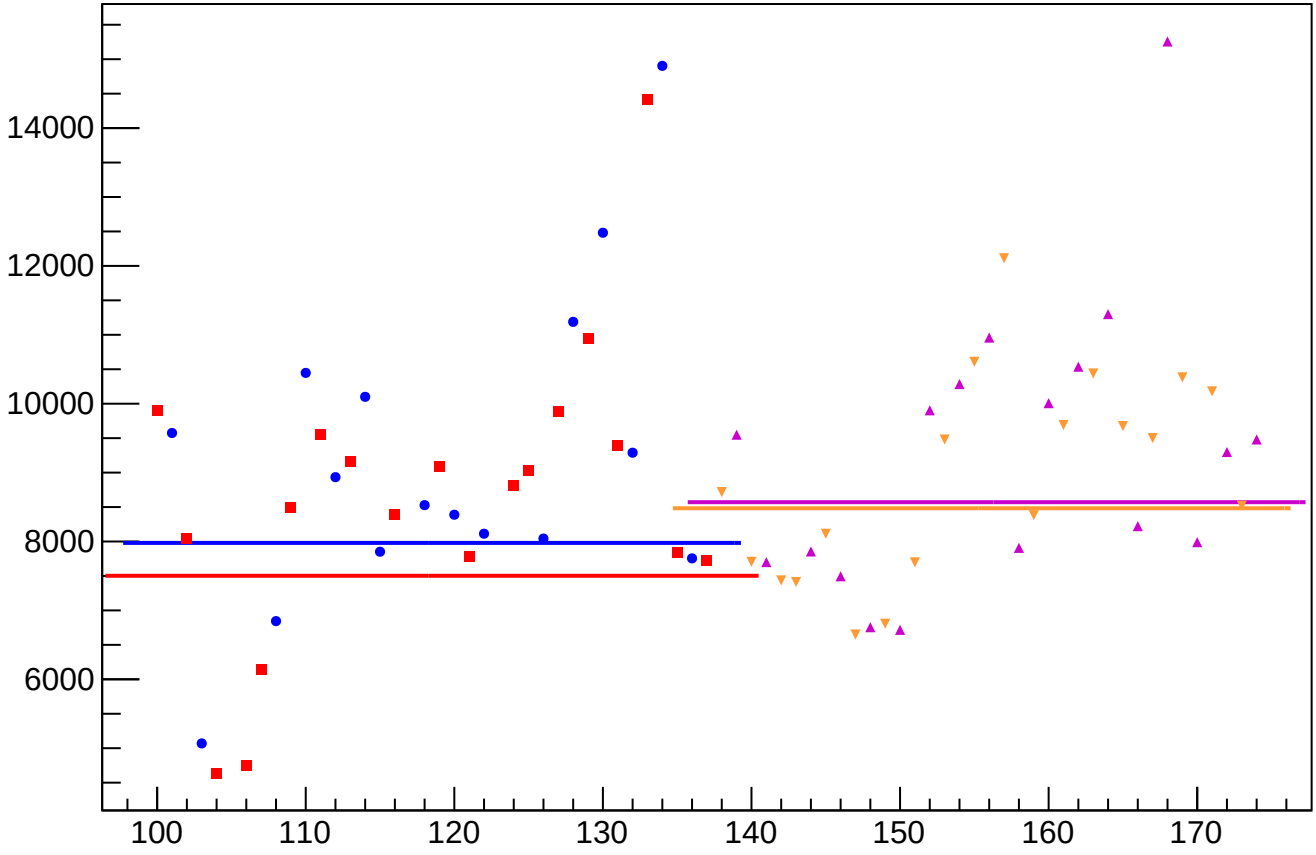
Left In: -620.341+/-2269.026 χ^2/NDF:12.8/17

+ sign 361.959+/-1806.978 χ^2/NDF: 35.0/34

All: 223.348+/-1270.064 χ^2/NDF: 64.6/71

- 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: 8482.689+/-1.579 χ^2/NDF:762291.0/18

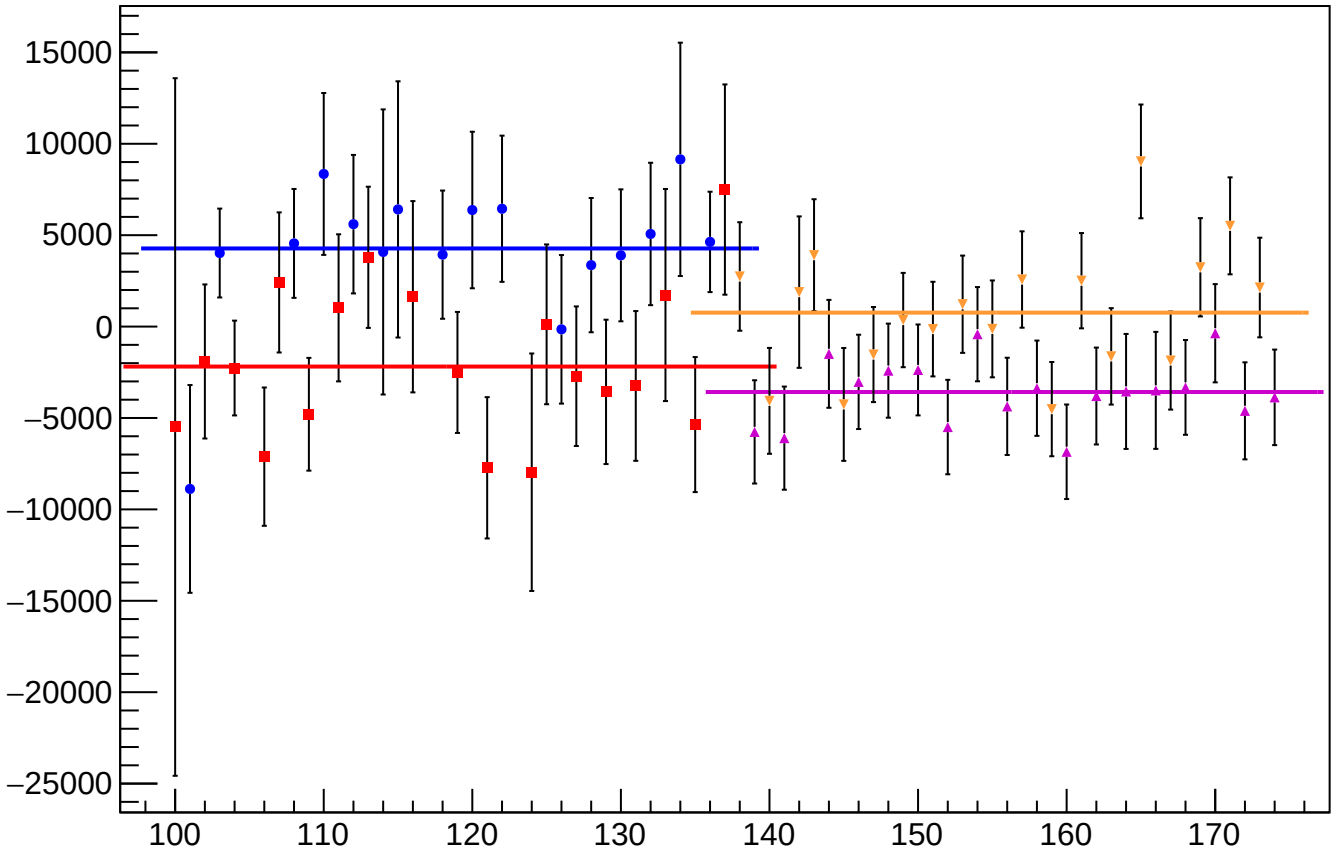
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8570.618+/-1.604 χ^2/NDF:1044753.6/17

+ sign 8309.113+/-1.278 χ^2/NDF: 1720087.6/34

All: 8235.670+/-0.898 χ^2/NDF: 4075596.9/71

- 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: 763.163+/-635.452 χ^2/NDF:26.3/18

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

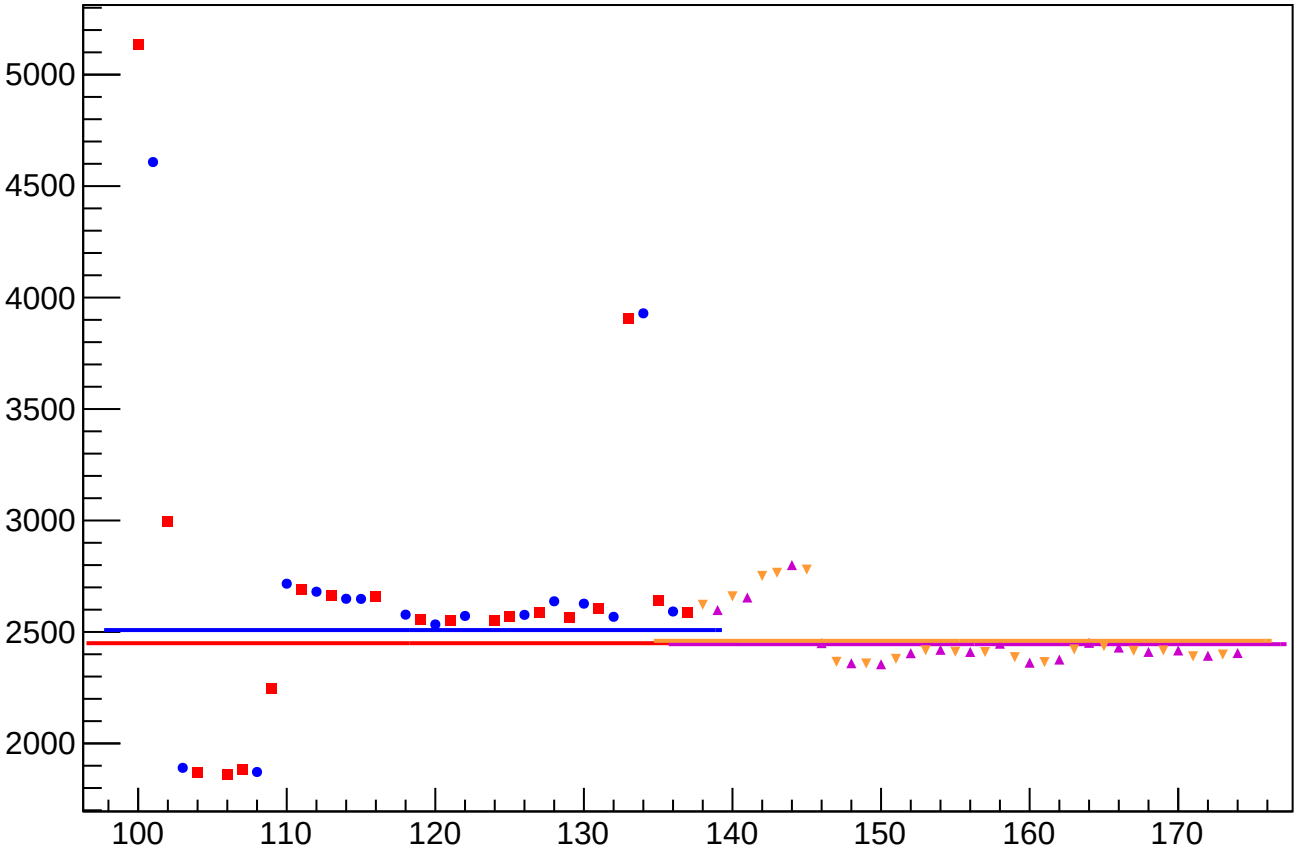
Left In: -3579.884+/-634.454 χ^2/NDF:7.7/17

+ sign 1845.309+/-528.519 χ^2/NDF: 44.6/34

All: -671.131+/-371.639 χ^2/NDF: 113.6/71

- 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: 2460.284+/-0.449 χ^2/NDF:84518.0/18

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

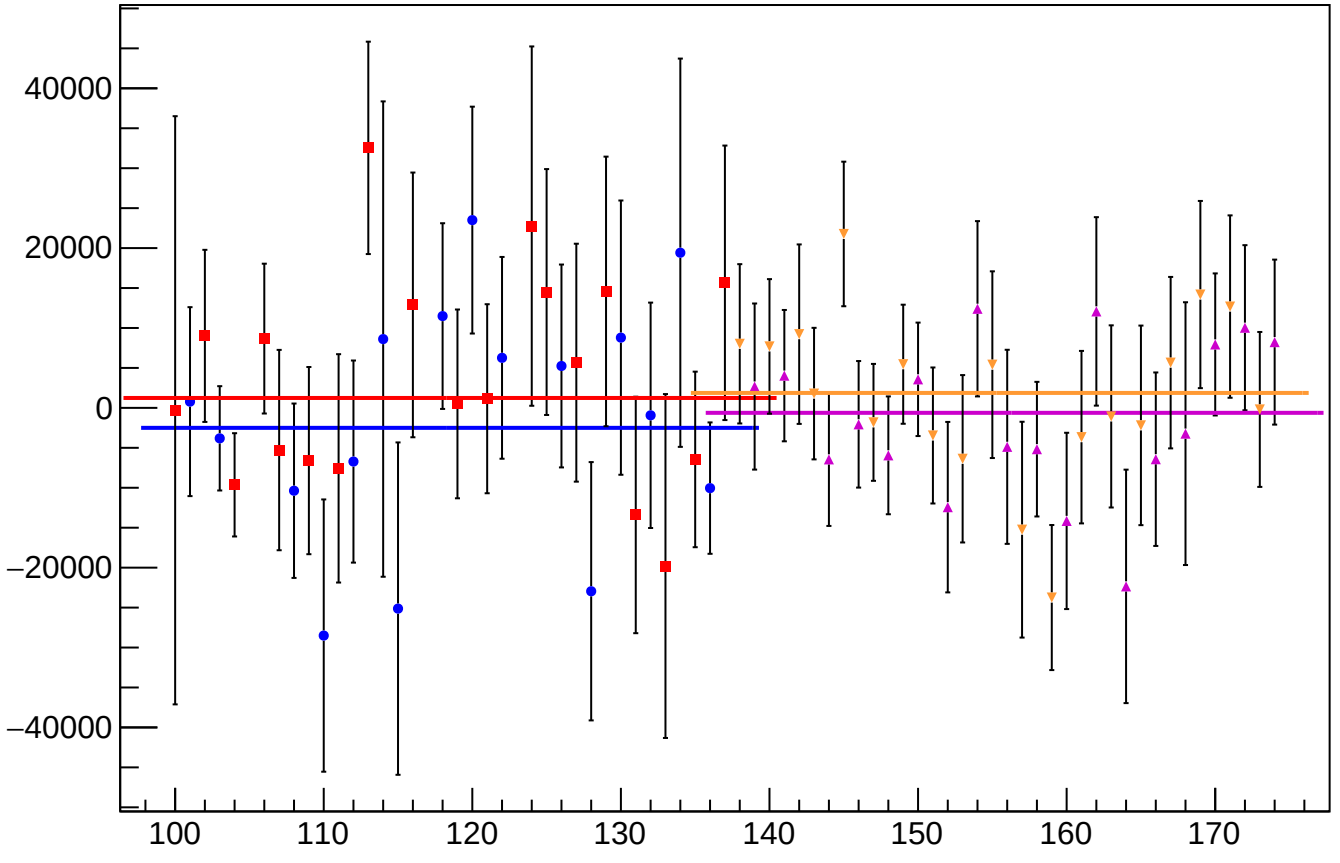
Left In: 2445.187+/-0.449 χ^2/NDF:56936.2/17

+ sign 2475.136+/-0.374 χ^2/NDF: 699650.0/34

All: 2460.719+/-0.263 χ^2/NDF: 1196407.9/71

- 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: 1870.705+/-2232.992 χ^2/NDF:19.9/18

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

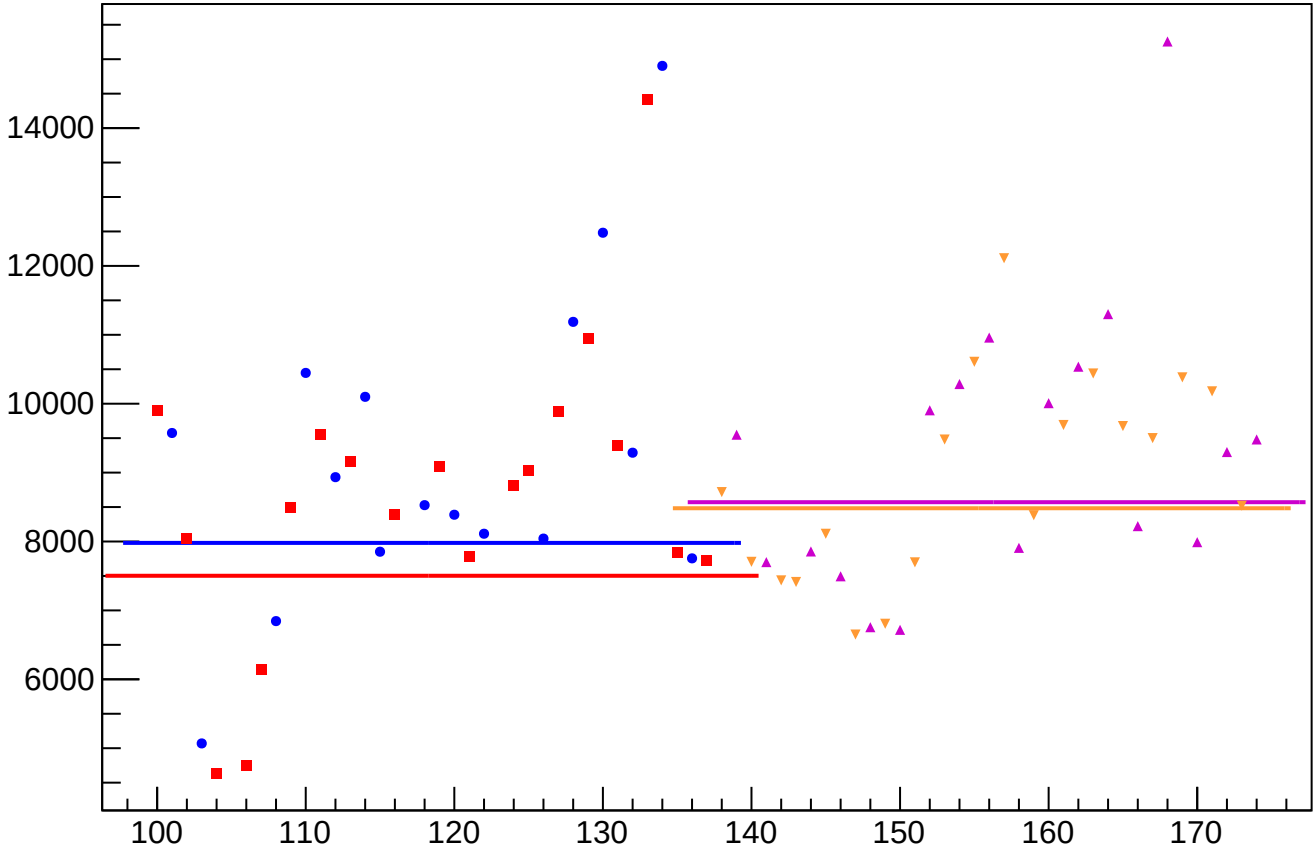
Left In: -620.341+/-2269.026 χ^2/NDF:12.8/17

+ sign 361.959+/-1806.978 χ^2/NDF: 35.0/34

All: 223.348+/-1270.064 χ^2/NDF: 64.6/71

- 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: 8482.689+/-1.579 χ^2/NDF:762291.0/18

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

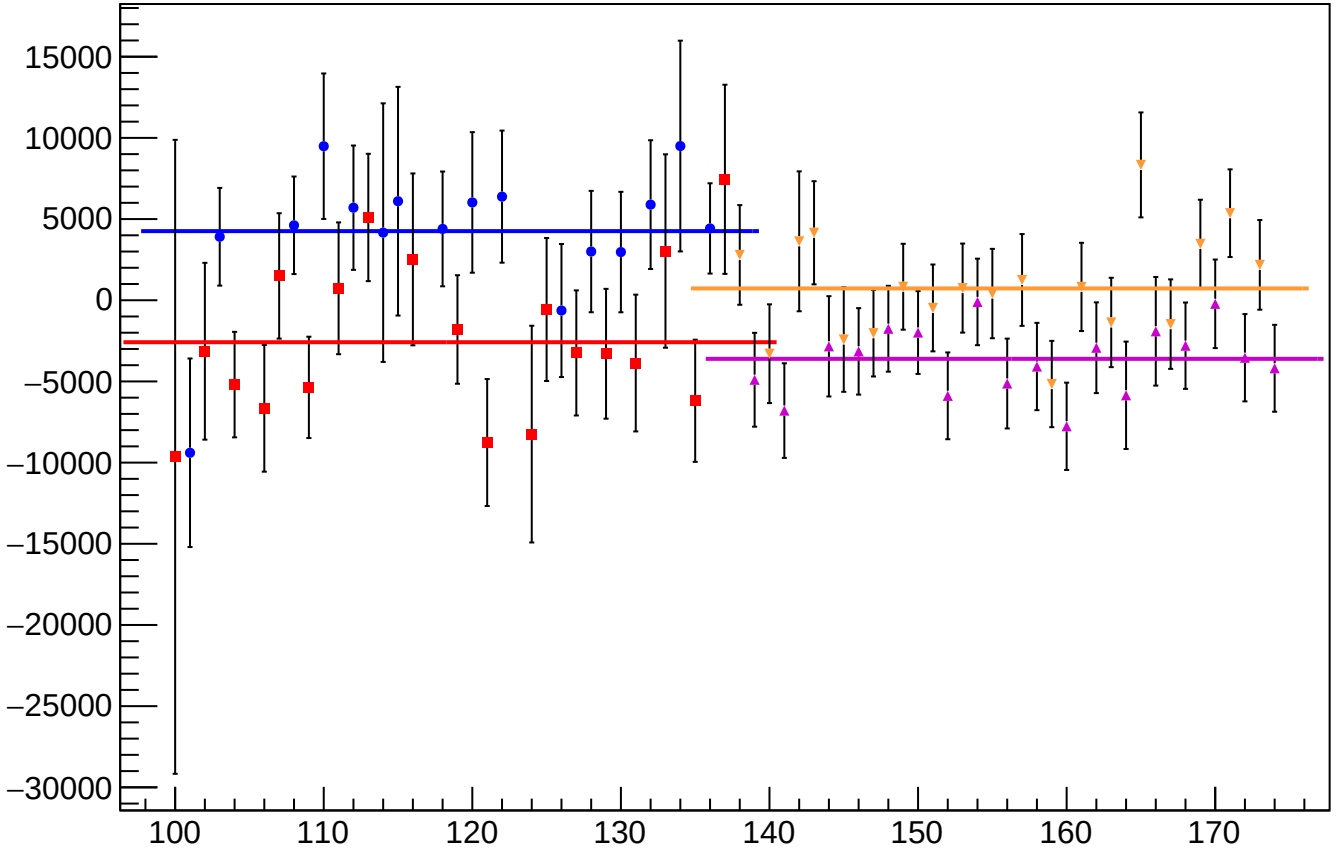
Left In: 8570.618+/-1.604 χ^2/NDF:1044753.6/17

+ sign 8309.113+/-1.278 χ^2/NDF: 1720087.6/34

All: 8235.670+/-0.898 χ^2/NDF: 4075596.9/71

- 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: 727.827+/-656.930 χ^2/NDF:22.0/18

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

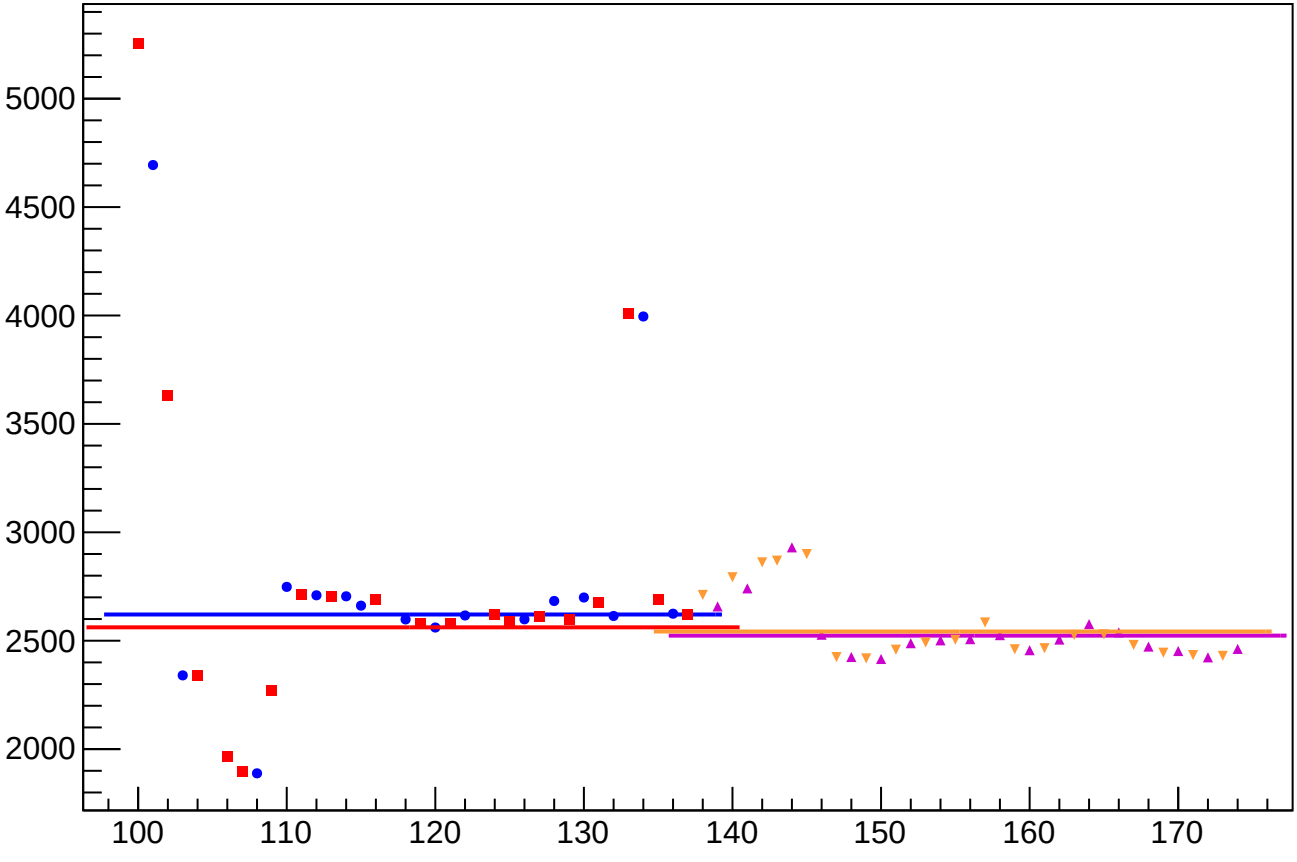
Left In: -3608.976+/-654.935 χ^2/NDF:10.0/17

+ sign 1805.902+/-547.472 χ^2/NDF: 40.9/34

All: -765.382+/-385.208 χ^2/NDF: 113.0/71

- 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: 2542.453+/-0.465 χ^2/NDF:101831.8/18

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

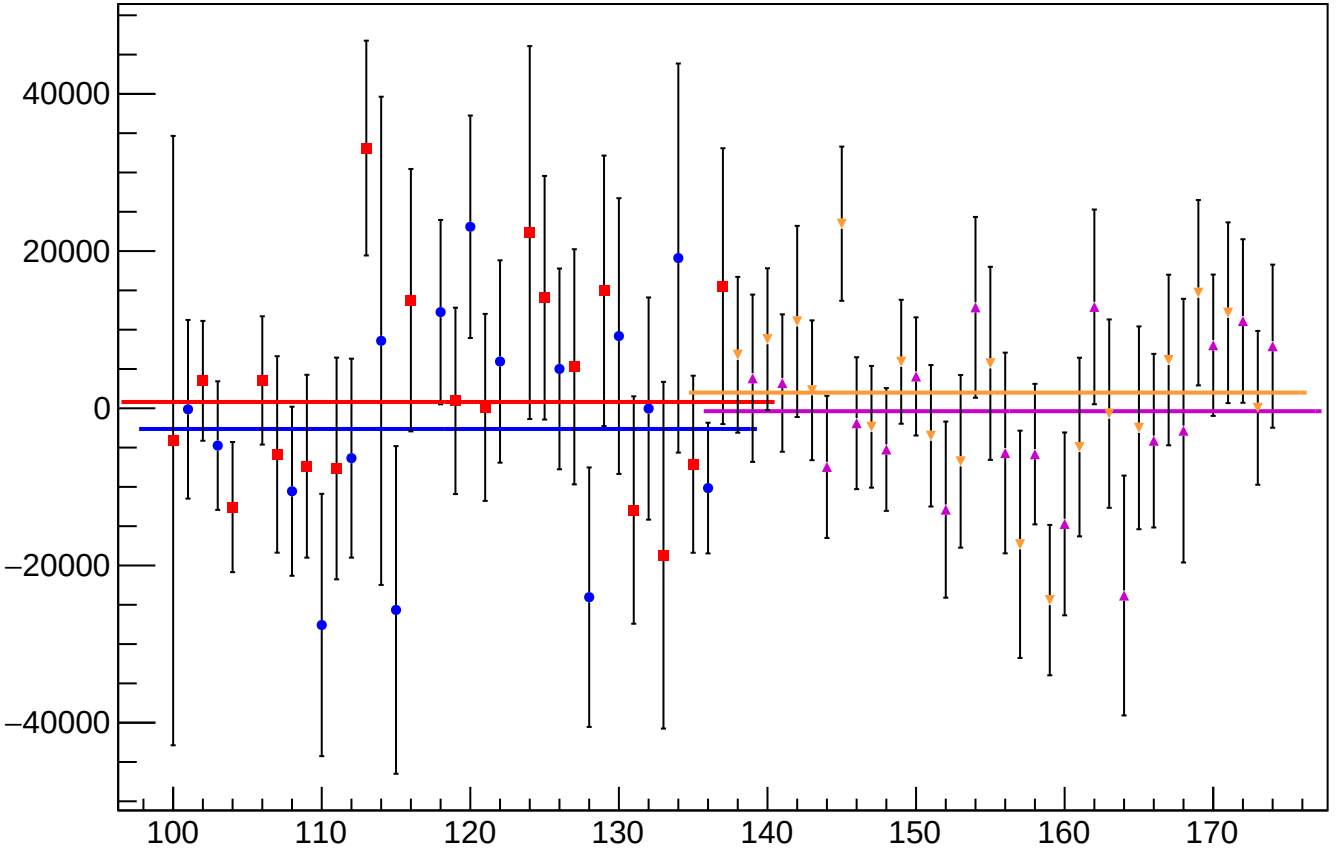
Left In: 2523.531+/-0.463 χ^2/NDF:64982.5/17

+ sign 2566.436+/-0.387 χ^2/NDF: 596472.3/34

All: 2550.846+/-0.272 χ^2/NDF: 1045068.4/71

- 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: 1990.899+/-2341.535 χ^2/NDF:19.9/18

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

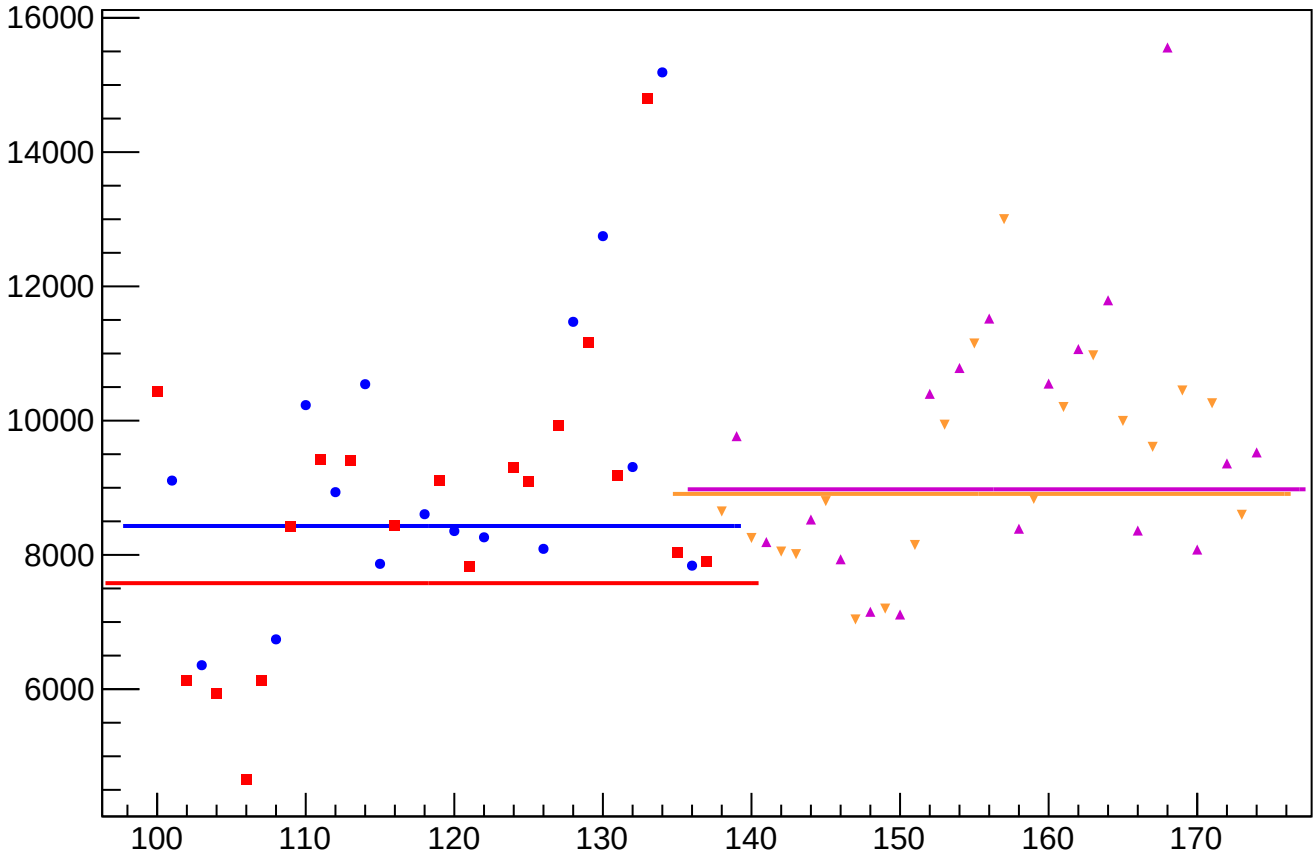
Left In: -370.686+/-2373.745 χ^2/NDF:12.7/17

+ sign 386.376+/-1892.031 χ^2/NDF: 35.0/34

All: 241.222+/-1315.361 χ^2/NDF: 63.3/71

- 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: 8908.659+/-1.656 χ^2/NDF:683461.7/18

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

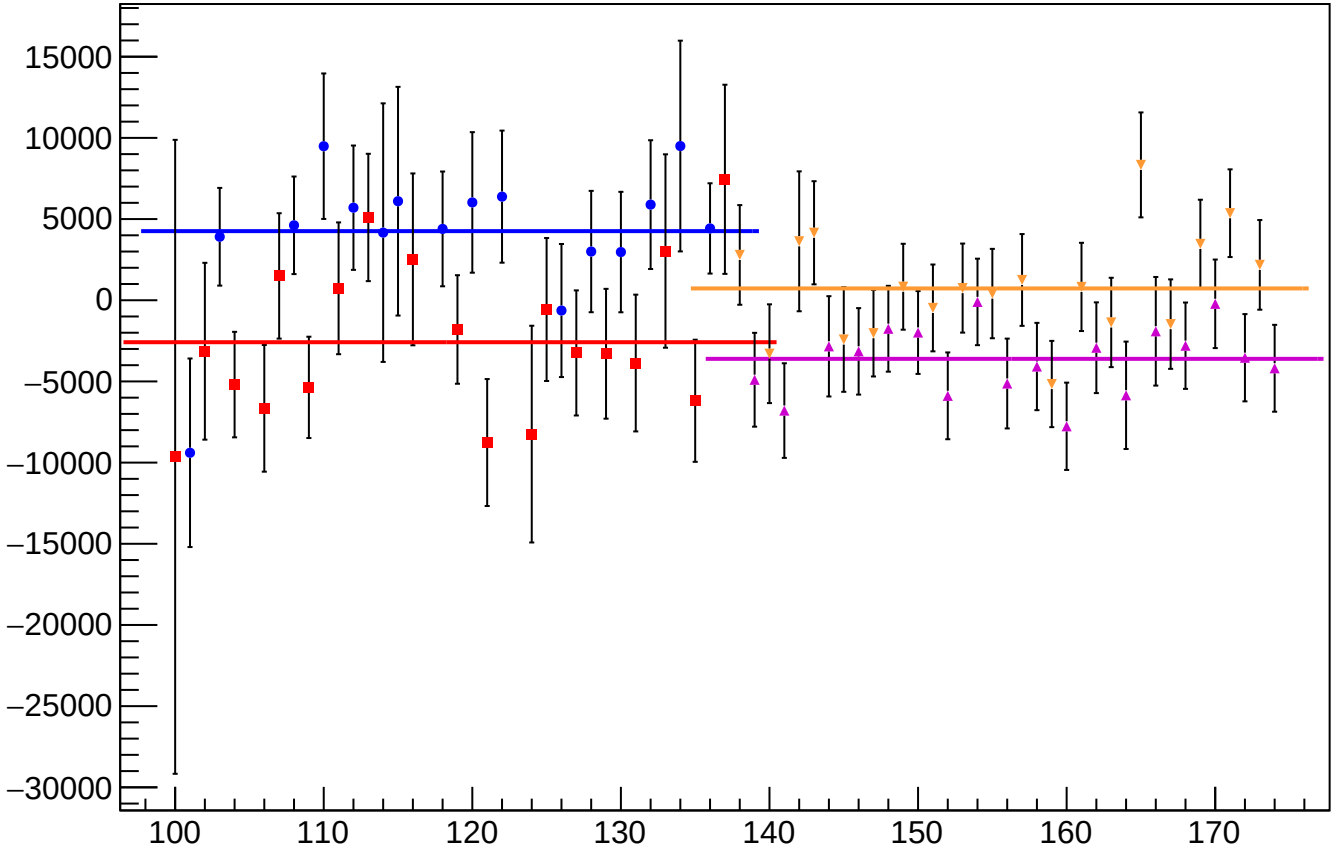
Left In: 8977.321+/-1.678 χ^2/NDF:969013.1/17

+ sign 8742.789+/-1.338 χ^2/NDF: 1292671.9/34

All: 8570.871+/-0.930 χ^2/NDF: 3549298.6/71

- 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: 727.815+/-656.931 χ^2/NDF:22.0/18

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

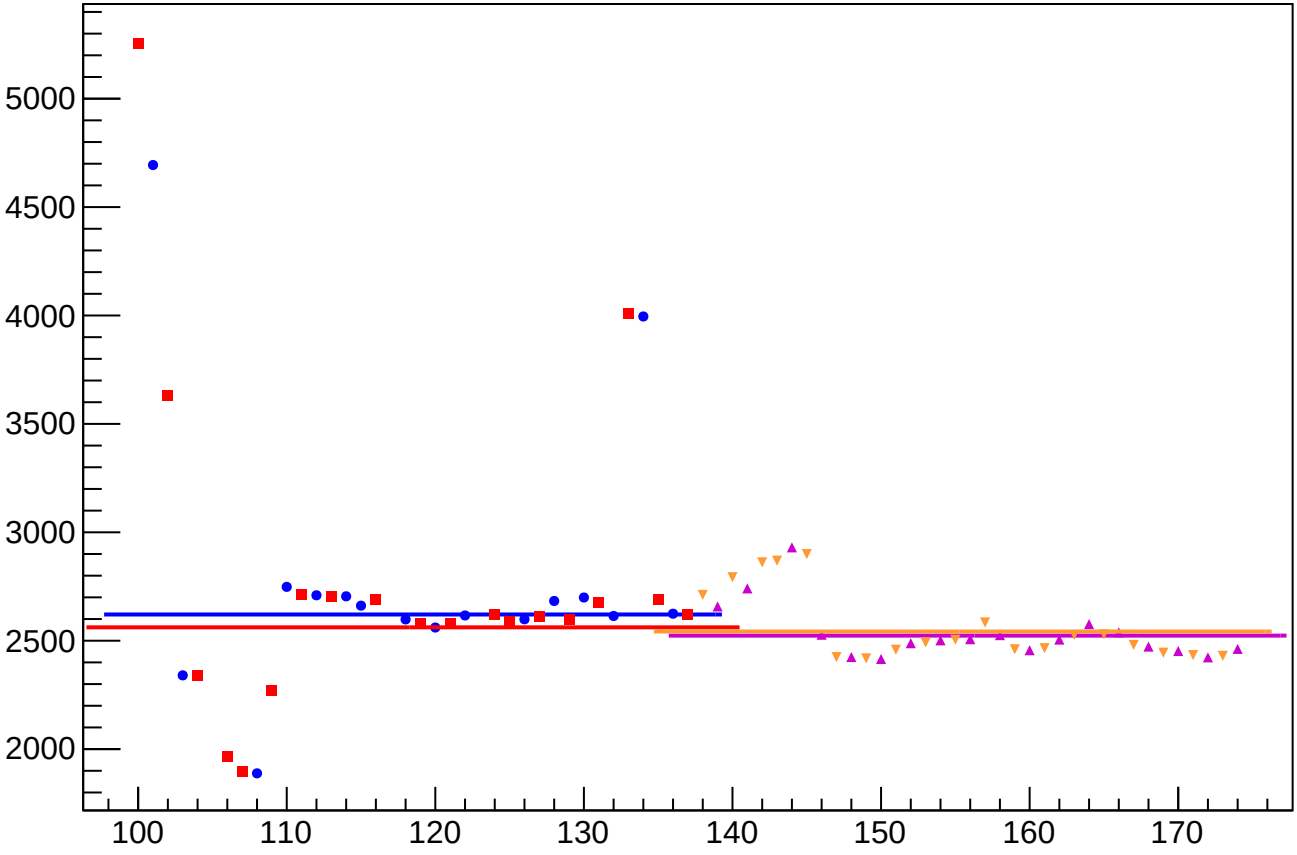
Left In: -3608.980+/-654.936 χ^2/NDF:10.0/17

+ sign 1805.898+/-547.473 χ^2/NDF: 40.9/34

All: -765.386+/-385.208 χ^2/NDF: 113.0/71

- 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: 2542.455+/-0.465 χ^2/NDF:101832.0/18

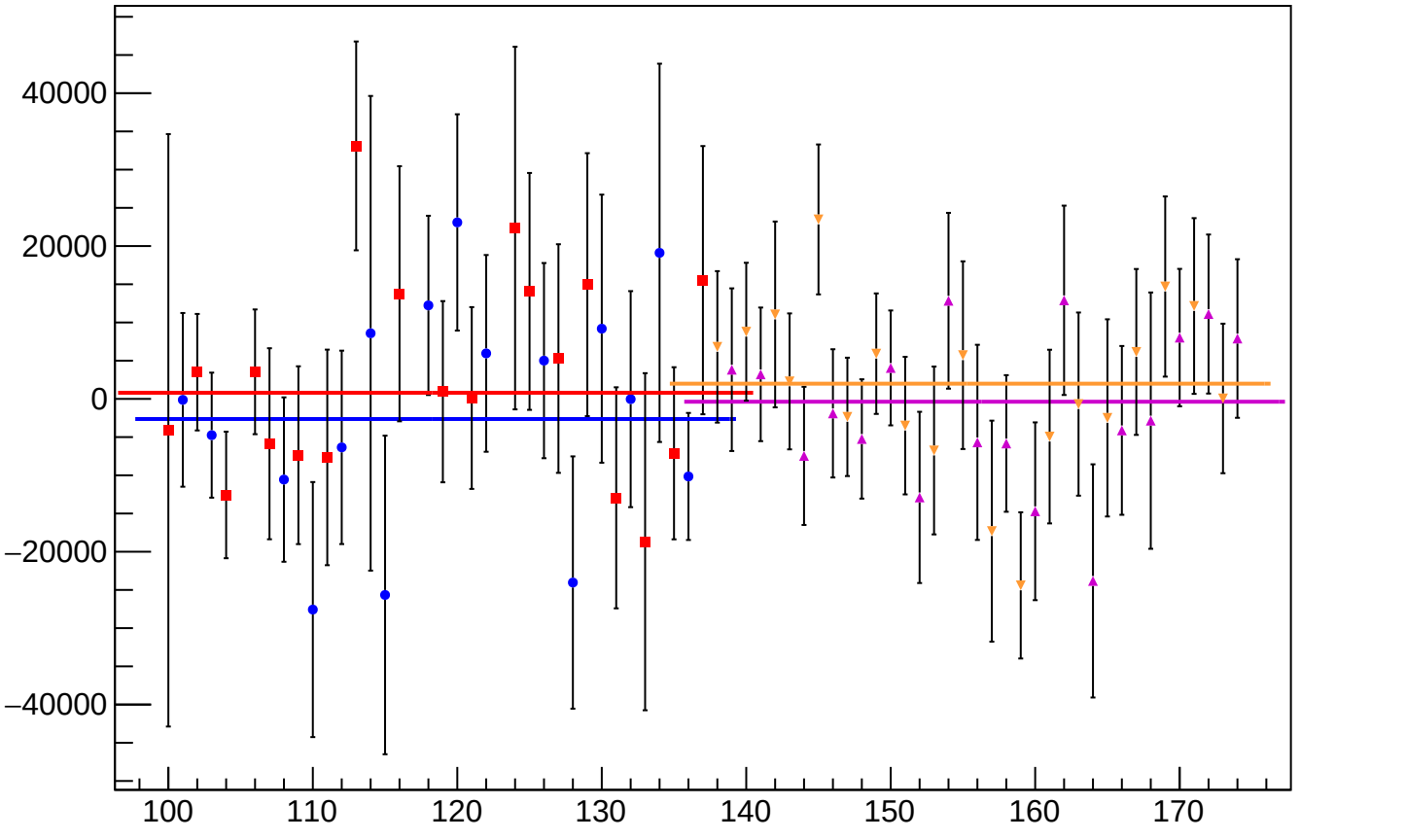
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2523.534+/-0.463 χ^2/NDF:64982.4/17

+ sign 2566.437+/-0.387 χ^2/NDF: 596472.1/34

All: 2550.847+/-0.272 χ^2/NDF: 1045067.3/71

- sign 2535.567+/-0.383 χ^2/NDF: 445383.8/36



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1990.896+/-2341.539 χ^2/NDF:19.9/18

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

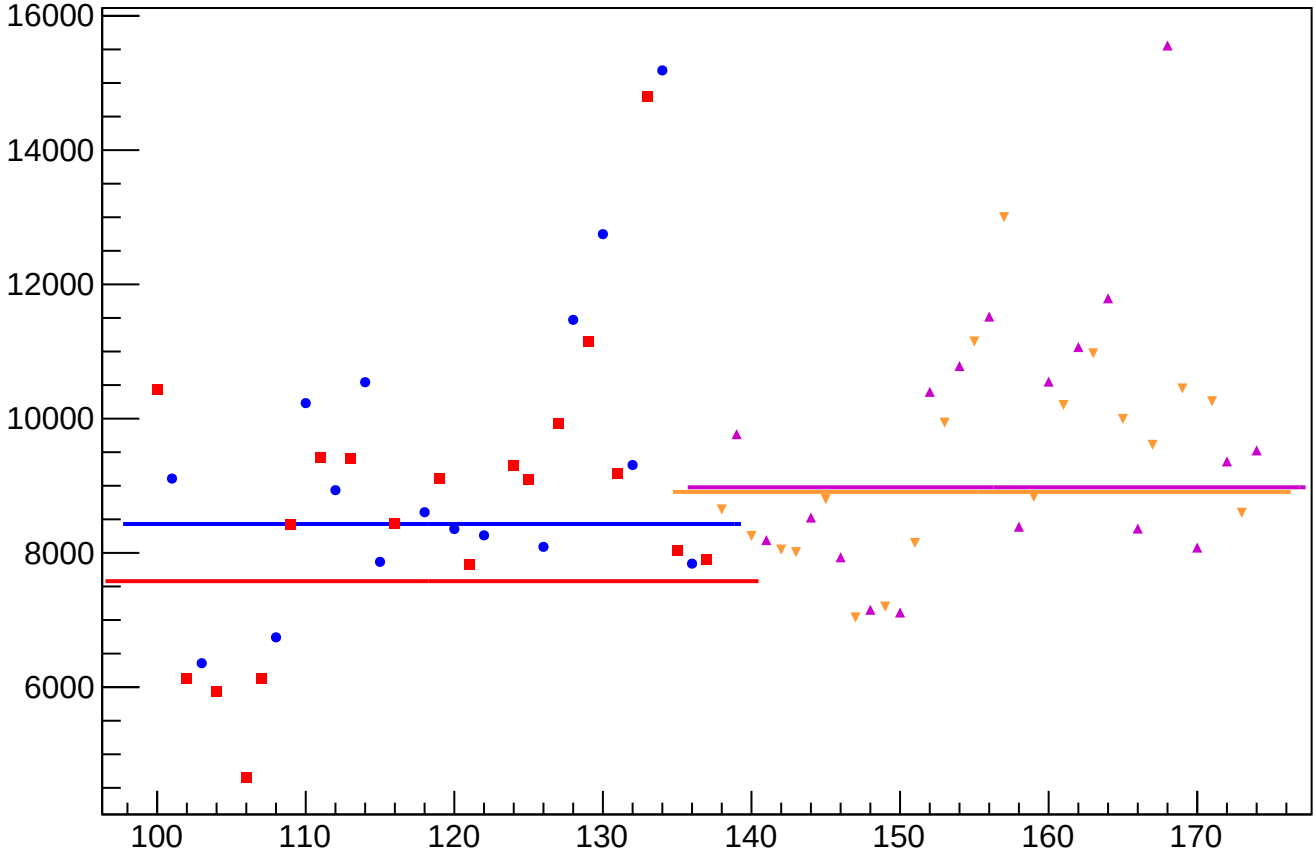
Left In: -370.682+/-2373.749 χ^2/NDF:12.7/17

+ sign 386.380+/-1892.032 χ^2/NDF: 35.0/34

All: 241.225+/-1315.361 χ^2/NDF: 63.3/71

- 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: 8908.673+/-1.656 χ^2/NDF:683461.6/18

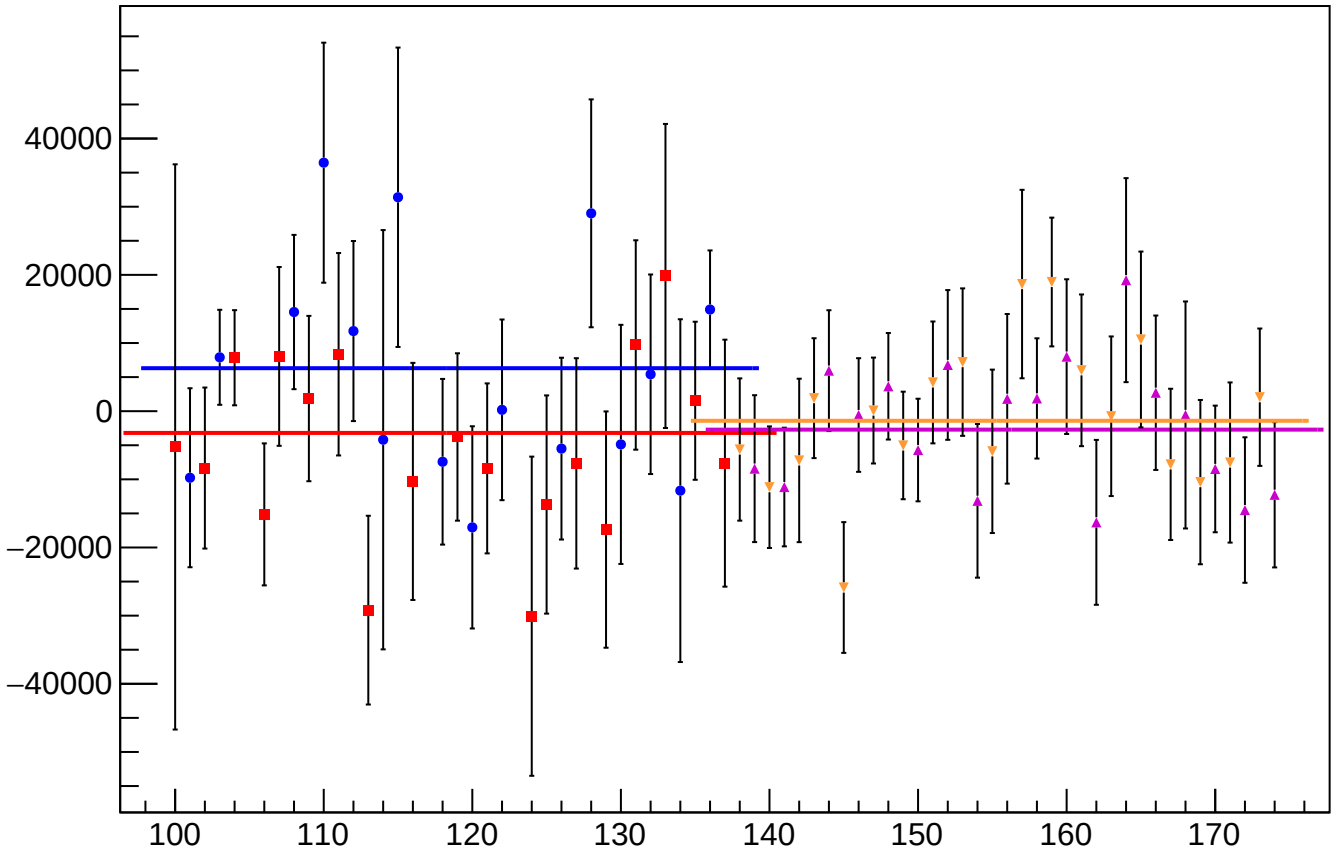
Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8977.334+/-1.678 χ^2/NDF:969014.2/17

+ sign 8742.794+/-1.338 χ^2/NDF: 1292669.0/34

All: 8570.874+/-0.930 χ^2/NDF: 3549304.1/71

- sign 8410.055+/-1.294 χ^2/NDF: 2224675.3/36



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -1407.810+/-2337.207 χ^2/NDF:19.0/18

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

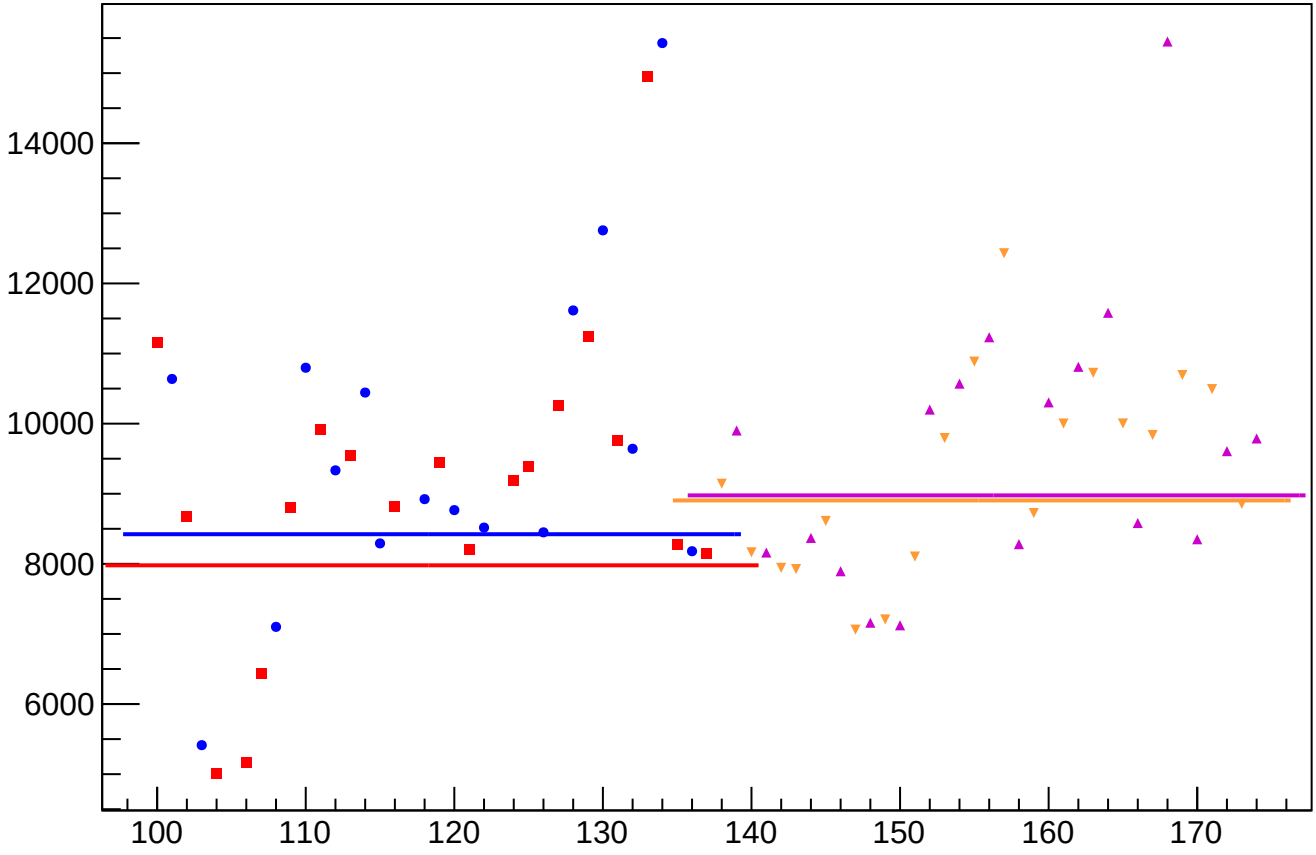
Left In: -2707.898+/-2370.023 χ^2/NDF:12.0/17

+ sign 1233.001+/-1895.441 χ^2/NDF: 37.8/34

All: -848.941+/-1333.252 χ^2/NDF: 66.1/71

- 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: 8904.586+/-1.653 χ^2/NDF:651480.5/18

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

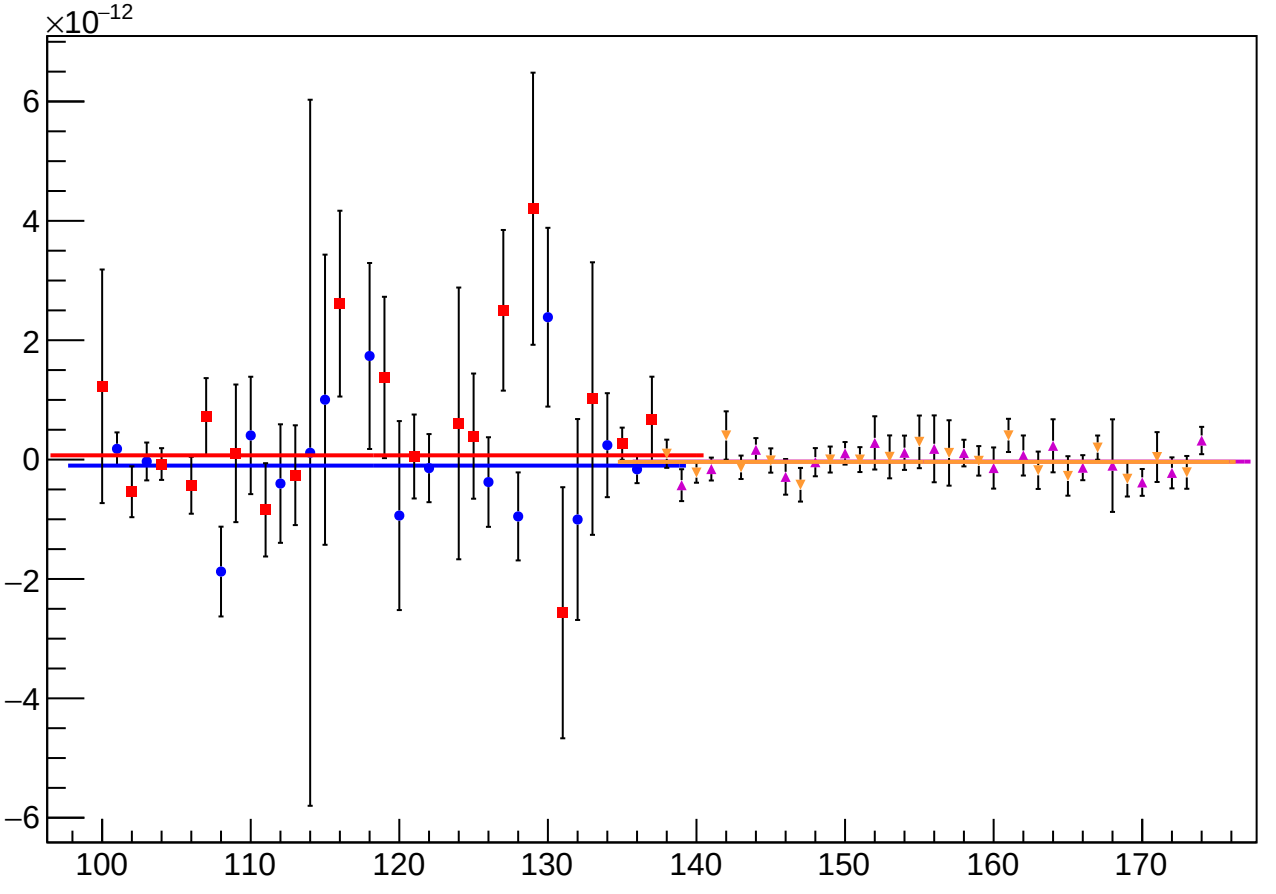
Left In: 8976.548+/-1.676 χ^2/NDF:913797.6/17

+ sign 8739.641+/-1.340 χ^2/NDF: 1562415.0/34

All: 8671.022+/-0.943 χ^2/NDF: 3629807.4/71

- 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:11.5/18

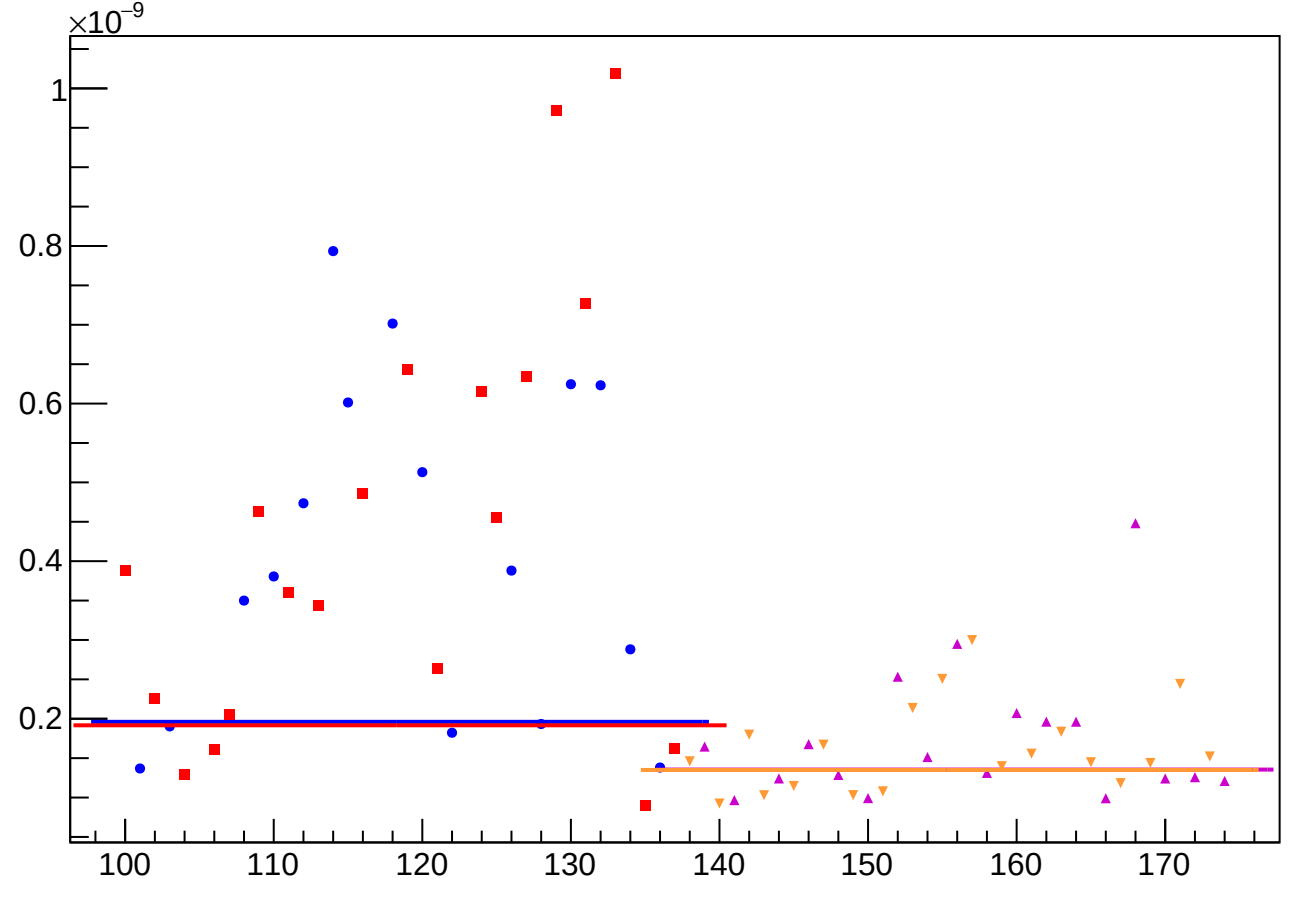
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:12.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 25.3/34

All: -0.000+/-0.000 χ^2/NDF: 57.9/71

- 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:966090.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

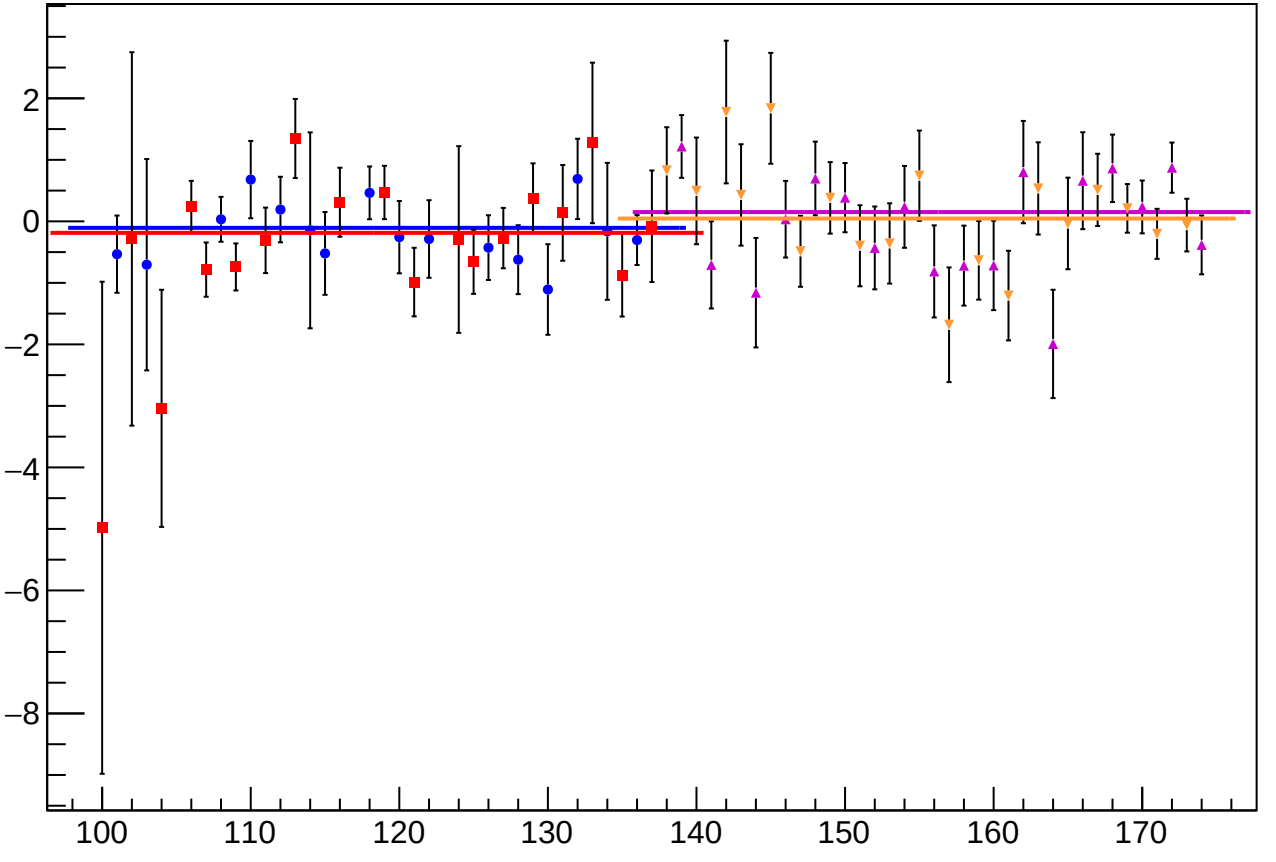
Left In: 0.000+/-0.000 χ^2/NDF:1109806.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 2654407.5/34

All: 0.000+/-0.000 χ^2/NDF: 6103147.5/71

- 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: 0.046+/-0.143 χ^2/NDF:20.0/18

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

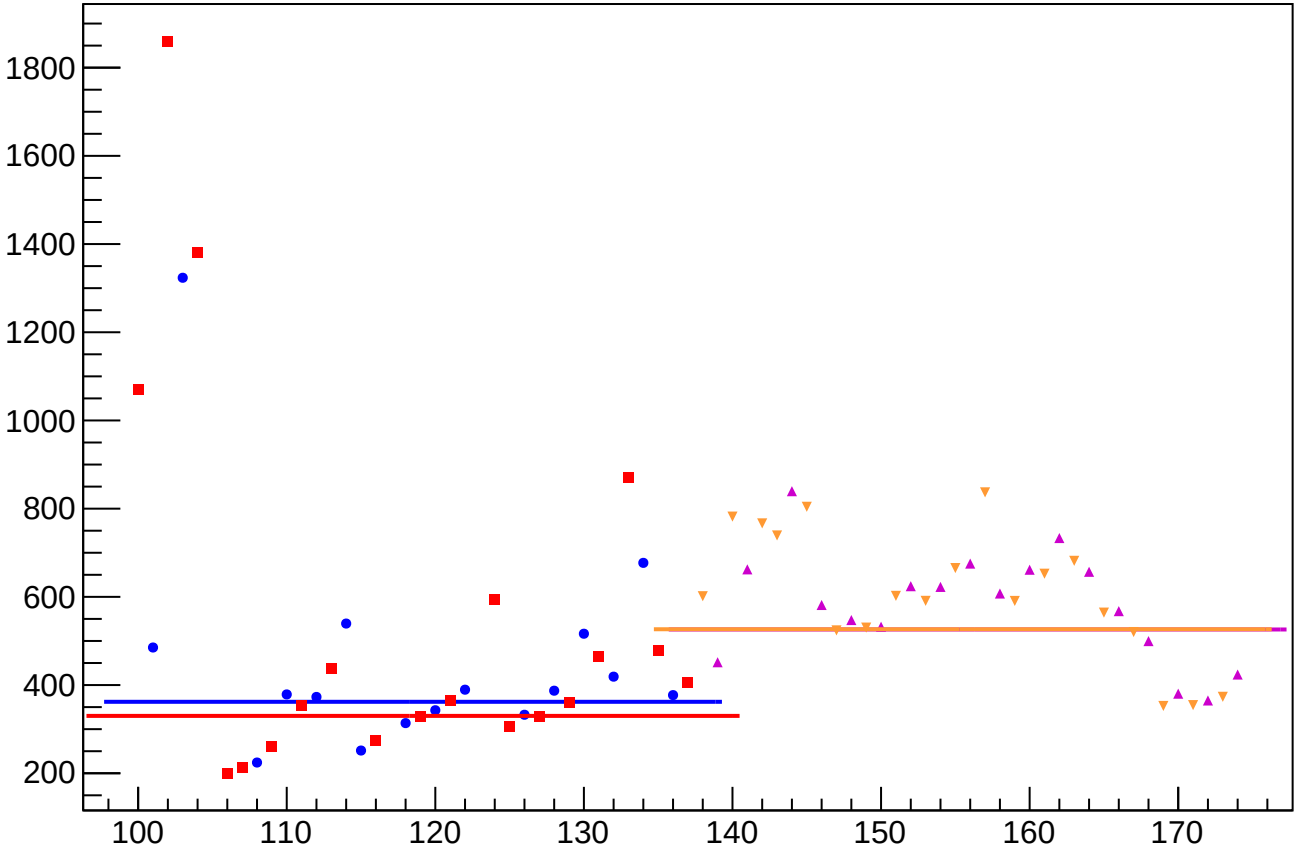
Left In: 0.151+/-0.142 χ^2/NDF:27.7/17

+ sign -0.029+/-0.102 χ^2/NDF: 30.3/34

All: -0.026+/-0.071 χ^2/NDF: 84.8/71

- 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: 526.551+/-0.101 χ^2/NDF:2116349.6/18

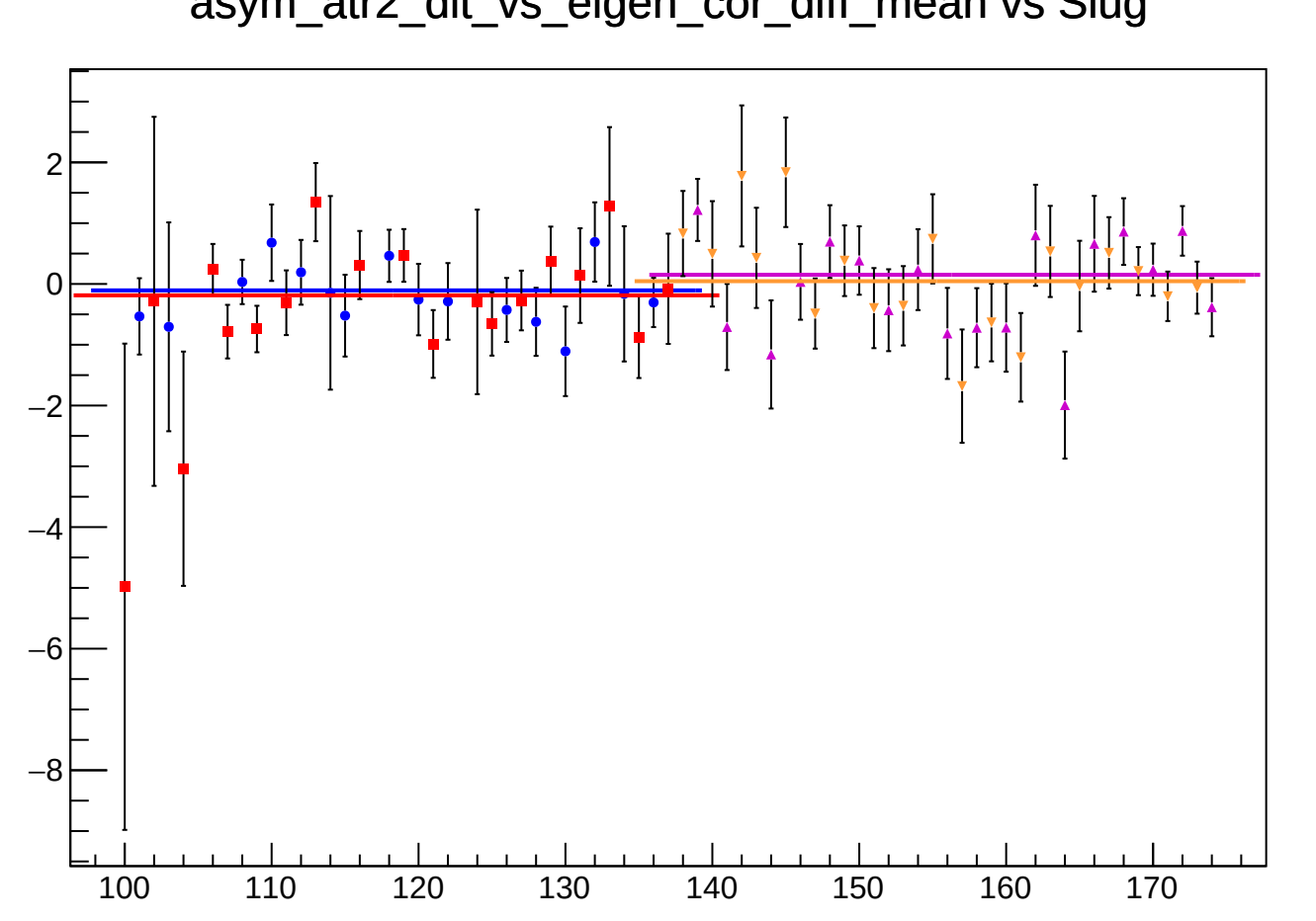
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 526.018+/-0.100 χ^2/NDF:1460267.5/17

+ sign 445.465+/-0.072 χ^2/NDF: 4804959.3/34

All: 434.863+/-0.050 χ^2/NDF: 10520723.0/71

- sign 424.844+/-0.070 χ^2/NDF: 5673388.9/36



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.046+/-0.143 χ^2/NDF:20.0/18

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

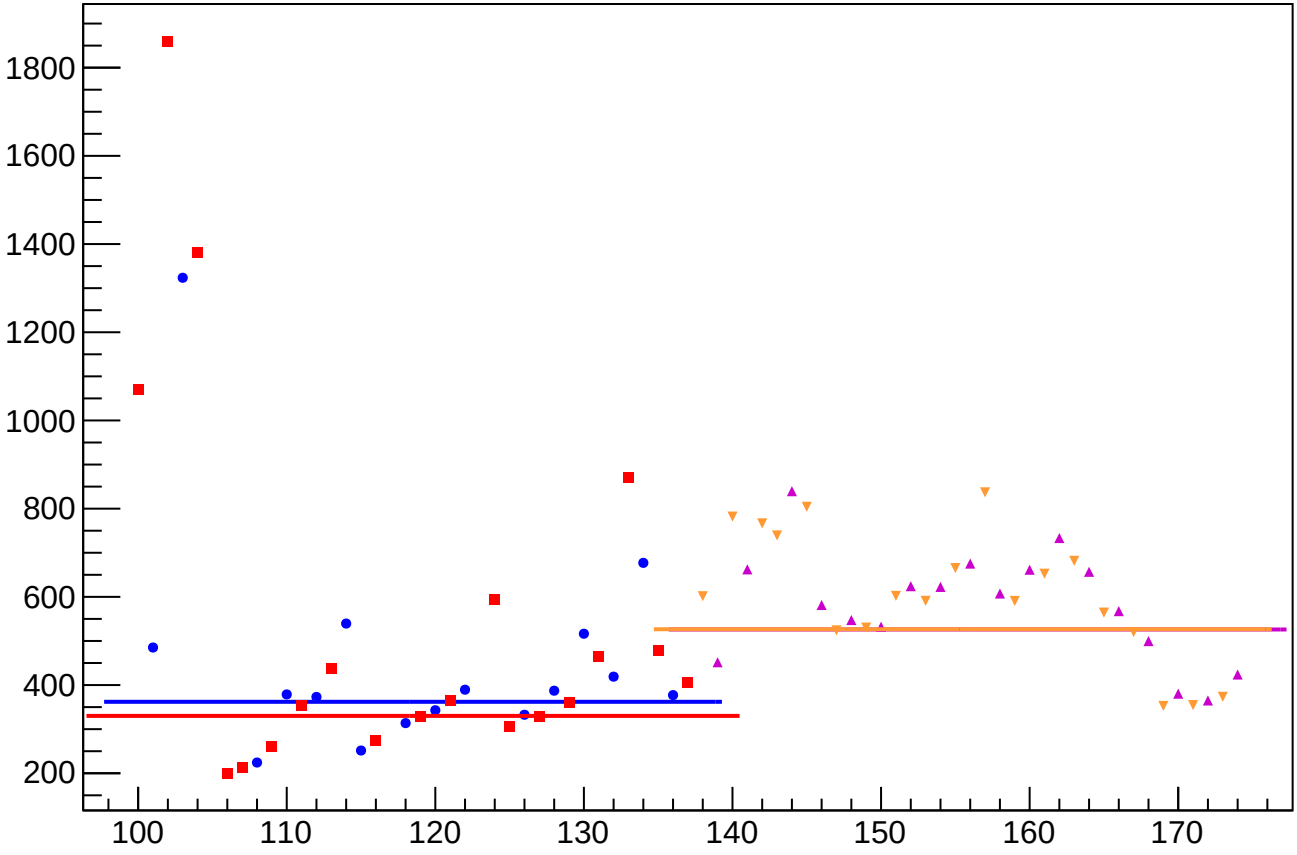
Left In: 0.151+/-0.142 χ^2/NDF:27.7/17

+ sign -0.029+/-0.102 χ^2/NDF: 30.3/34

All: -0.026+/-0.071 χ^2/NDF: 84.8/71

- 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: 526.551+/-0.101 χ^2/NDF:2116349.6/18

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

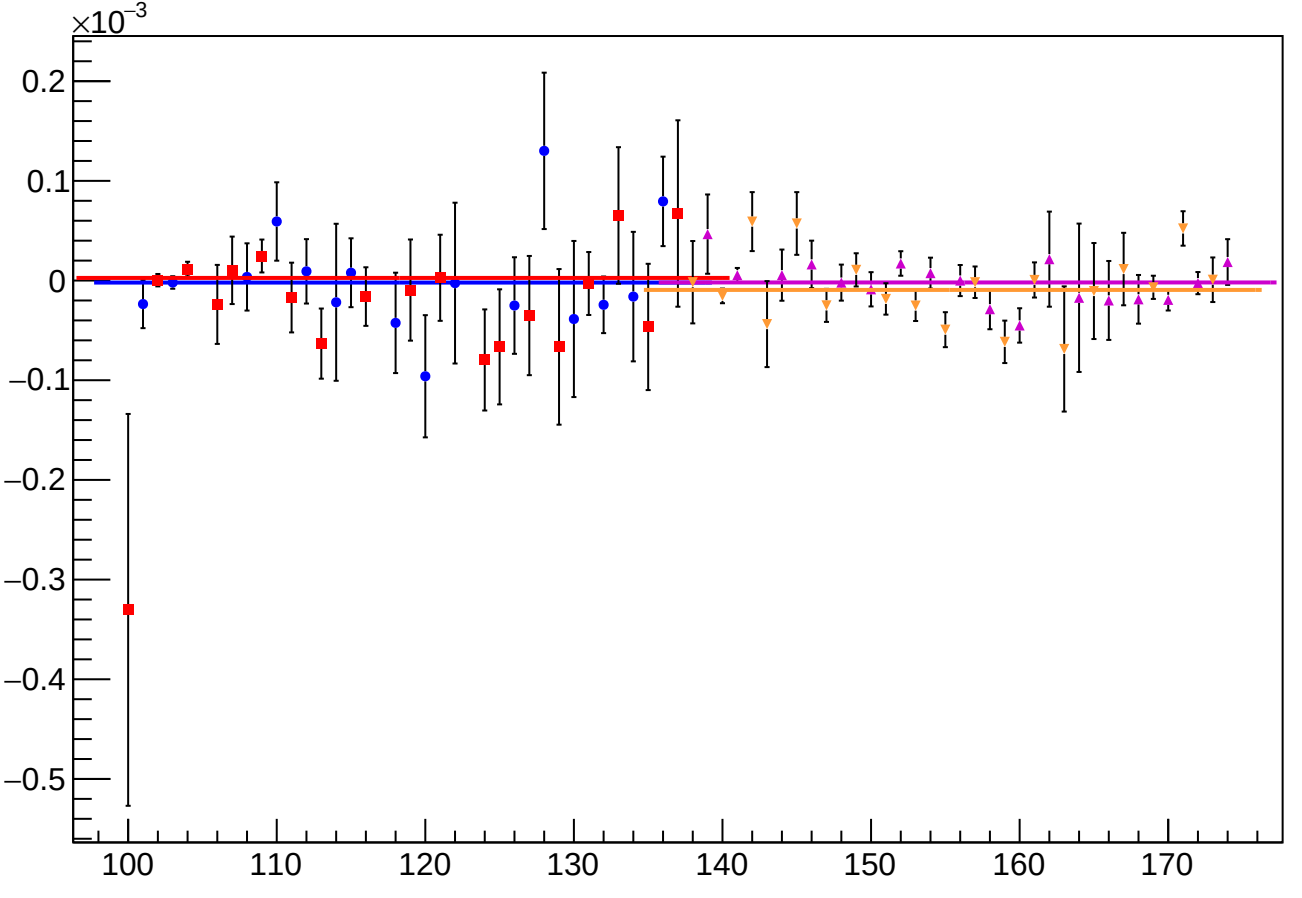
Left In: 526.018+/-0.100 χ^2/NDF:1460267.5/17

+ sign 445.465+/-0.072 χ^2/NDF: 4804959.3/34

All: 434.863+/-0.050 χ^2/NDF: 10520723.0/71

- 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:40.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

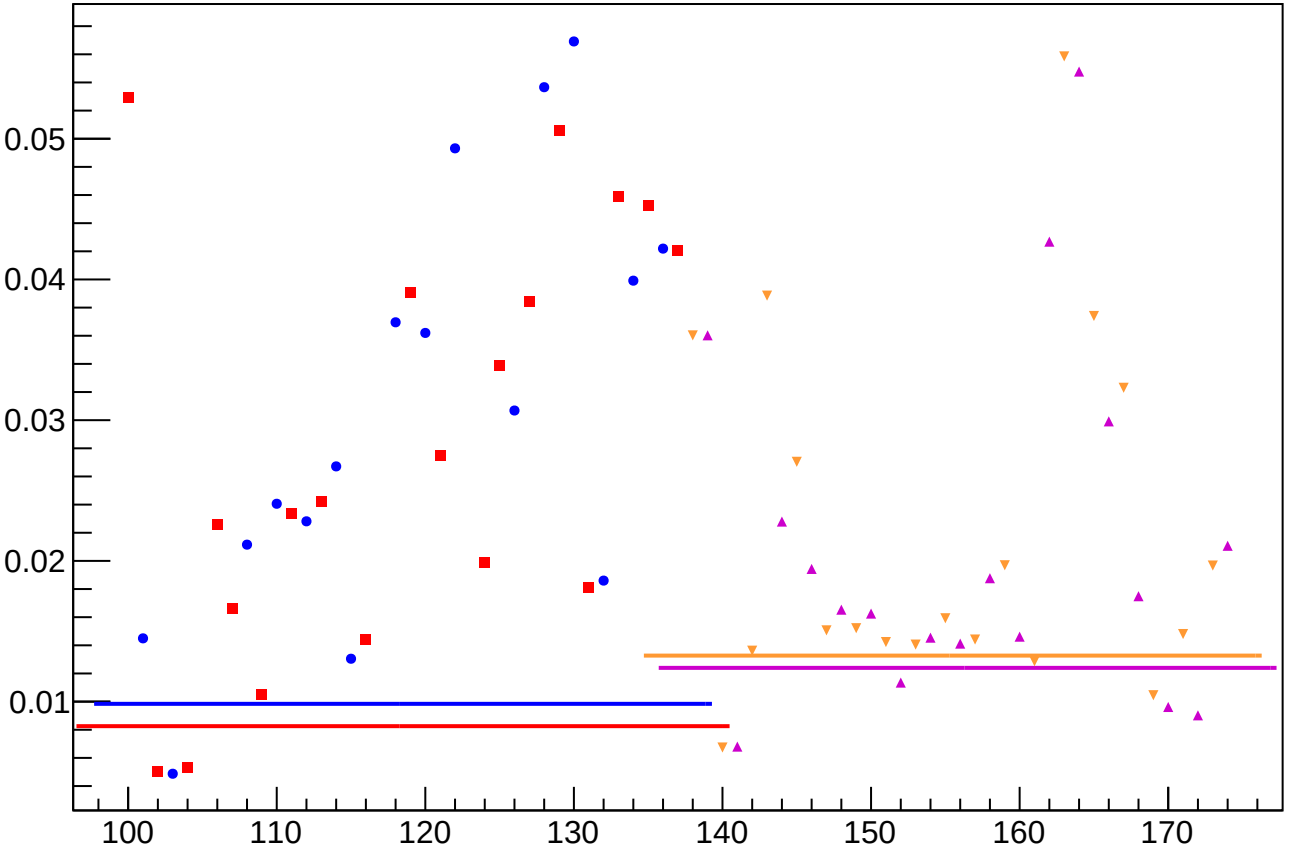
Left In: -0.000+/-0.000 χ^2/NDF:18.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 55.8/34

All: -0.000+/-0.000 χ^2/NDF: 95.9/71

- 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: 0.013+/-0.000 χ^2/NDF:5841835.7/18

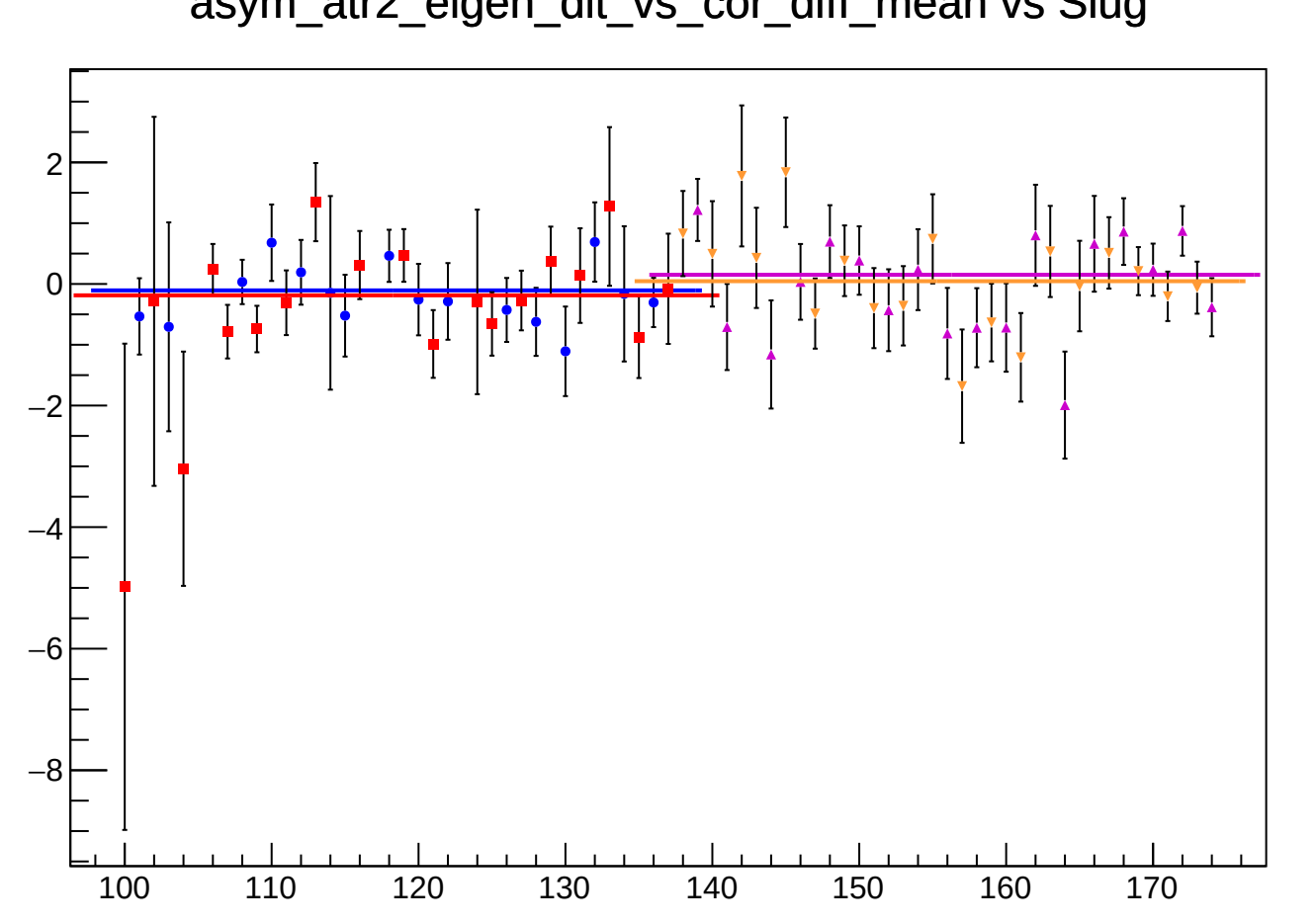
Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.012+/-0.000 χ^2/NDF:5457520.3/17

+ sign 0.012+/-0.000 χ^2/NDF: 13418157.2/34

All: 0.011+/-0.000 χ^2/NDF: 26944538.1/71

- 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: 0.046+/-0.143 χ^2/NDF:20.0/18

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

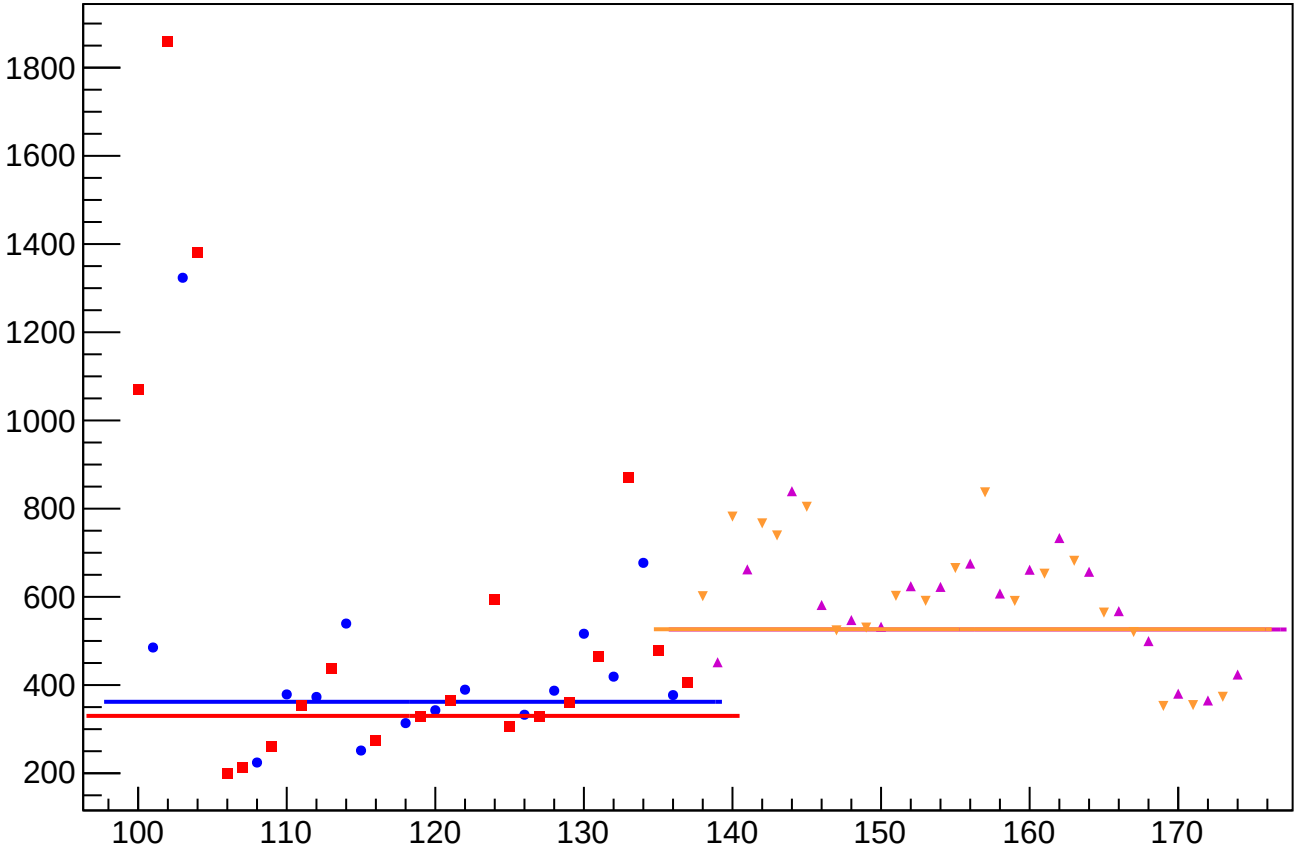
Left In: 0.151+/-0.142 χ^2/NDF:27.7/17

+ sign -0.029+/-0.102 χ^2/NDF: 30.3/34

All: -0.026+/-0.071 χ^2/NDF: 84.8/71

- 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: 526.555+/-0.101 χ^2/NDF:2116462.9/18

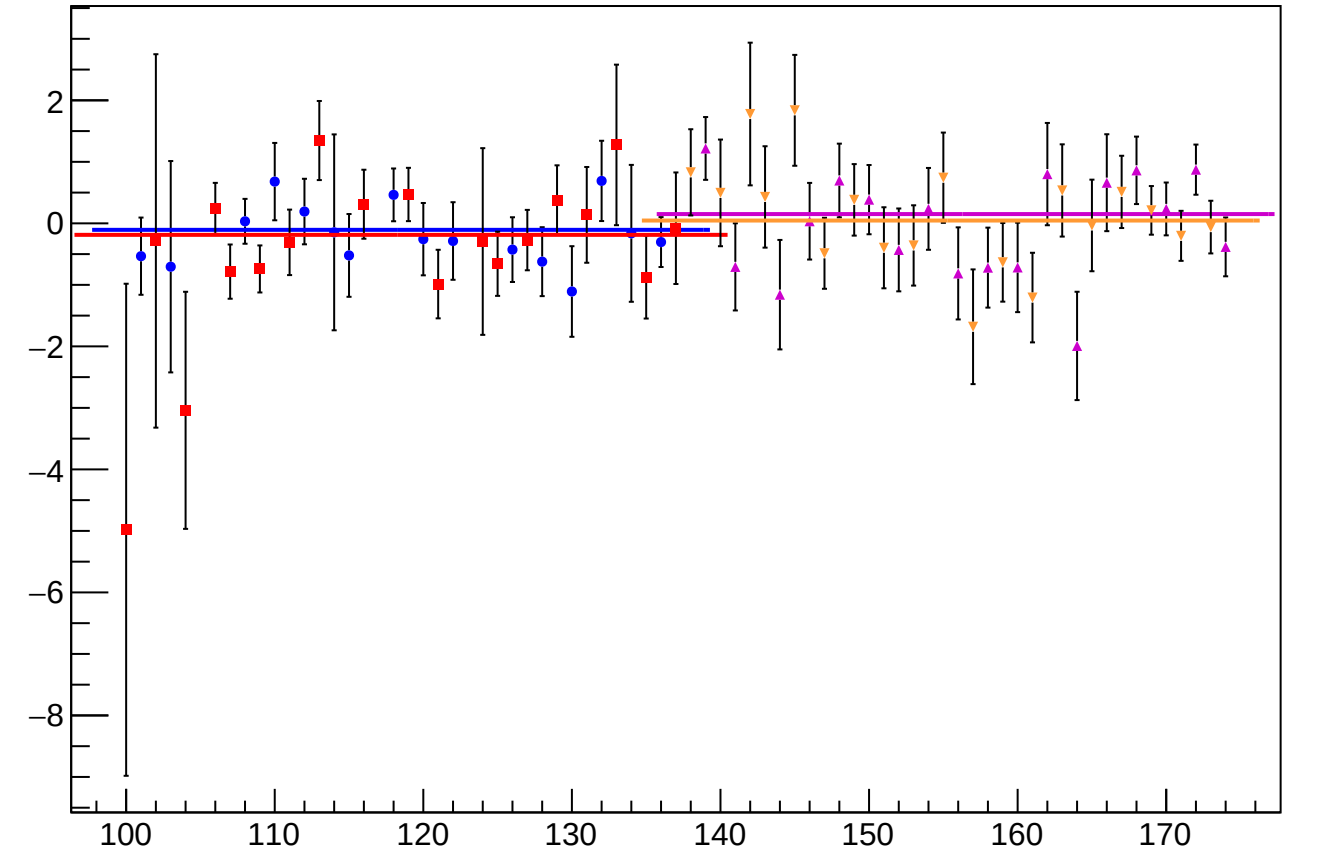
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 526.023+/-0.100 χ^2/NDF:1460317.0/17

+ sign 445.464+/-0.072 χ^2/NDF: 4805176.6/34

All: 434.863+/-0.050 χ^2/NDF: 10521100.2/71

- 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: 0.046+/-0.143 χ^2/NDF:20.0/18

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

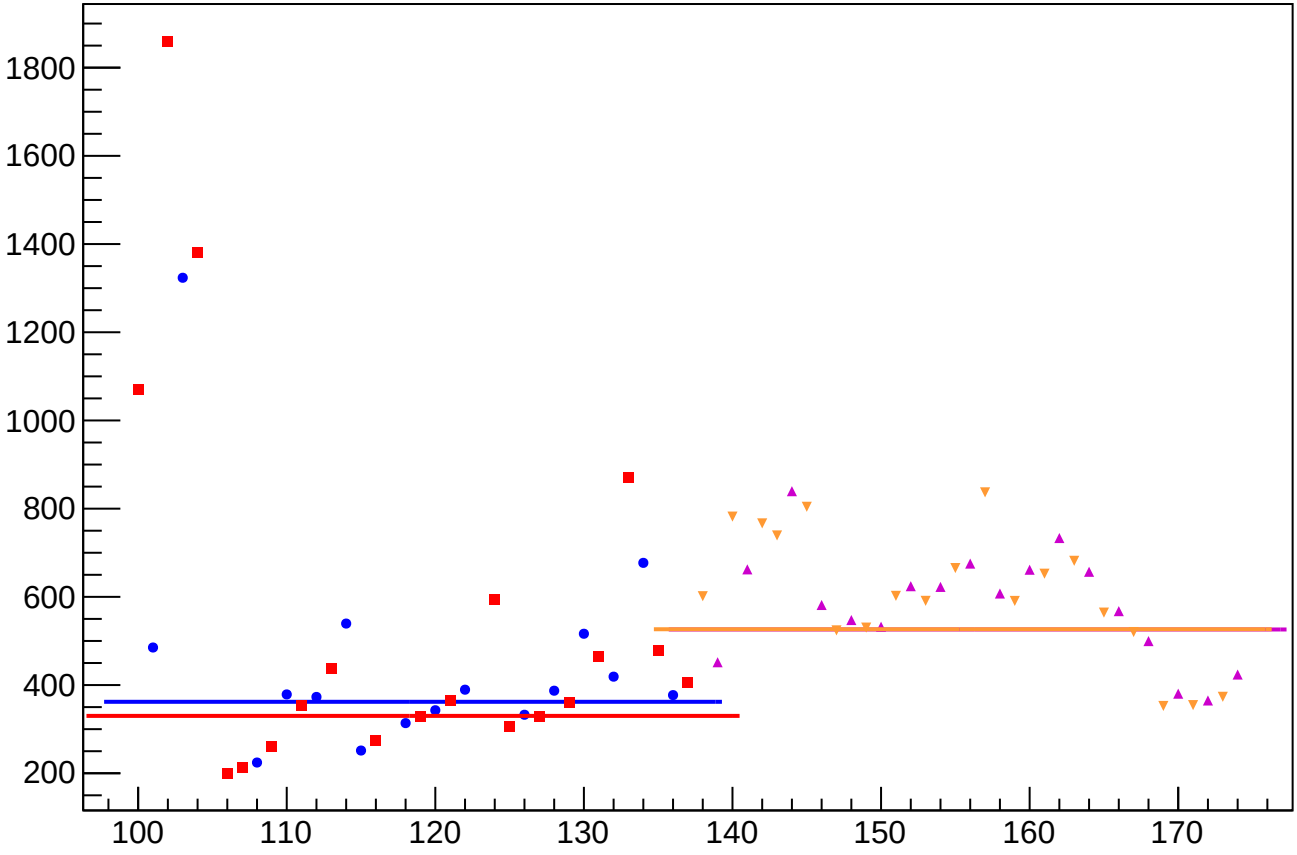
Left In: 0.151+/-0.142 χ^2/NDF:27.7/17

+ sign -0.029+/-0.102 χ^2/NDF: 30.3/34

All: -0.026+/-0.071 χ^2/NDF: 84.8/71

- 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: 526.555+/-0.101 χ^2/NDF:2116462.9/18

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

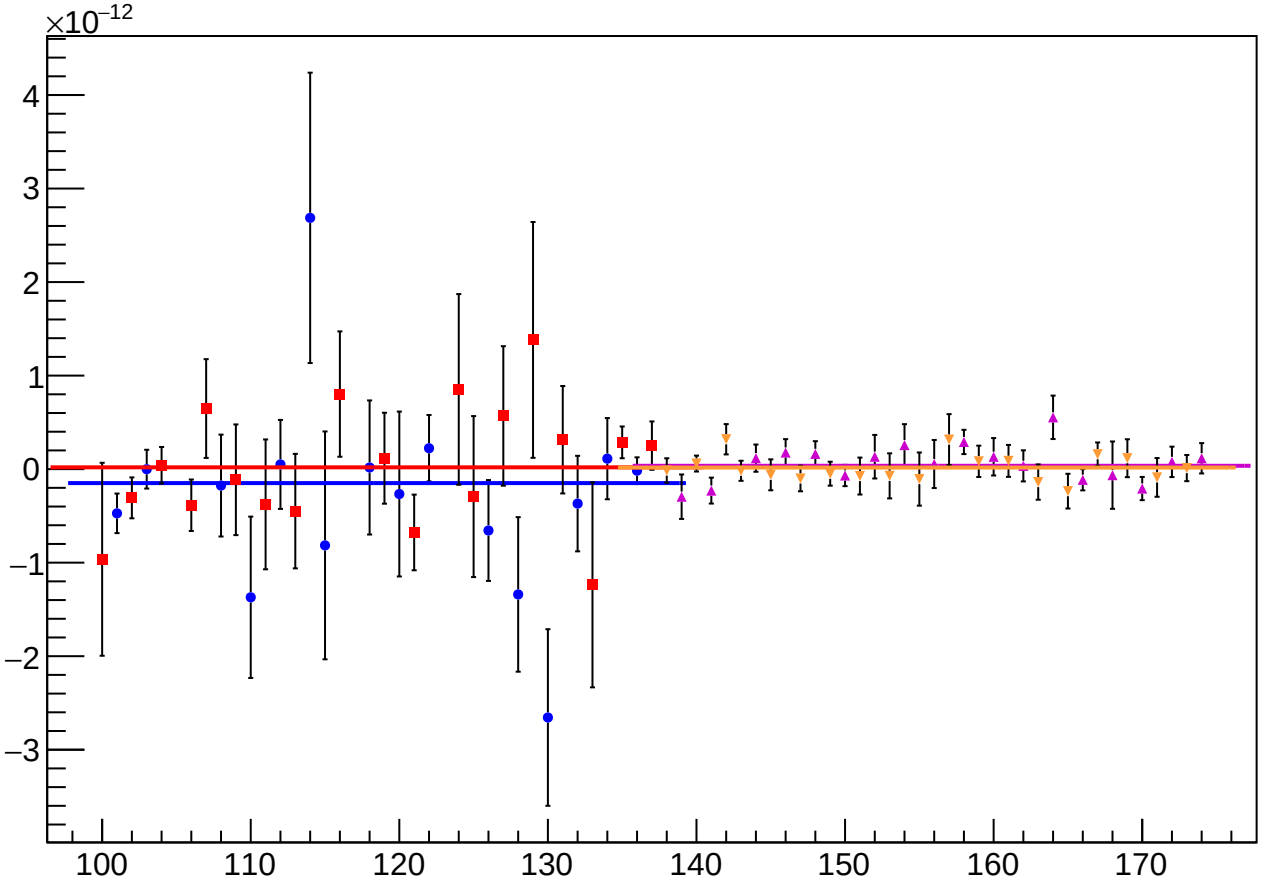
Left In: 526.023+/-0.100 χ^2/NDF:1460317.0/17

+ sign 445.464+/-0.072 χ^2/NDF: 4805176.6/34

All: 434.863+/-0.050 χ^2/NDF: 10521100.2/71

- 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:11.5/18

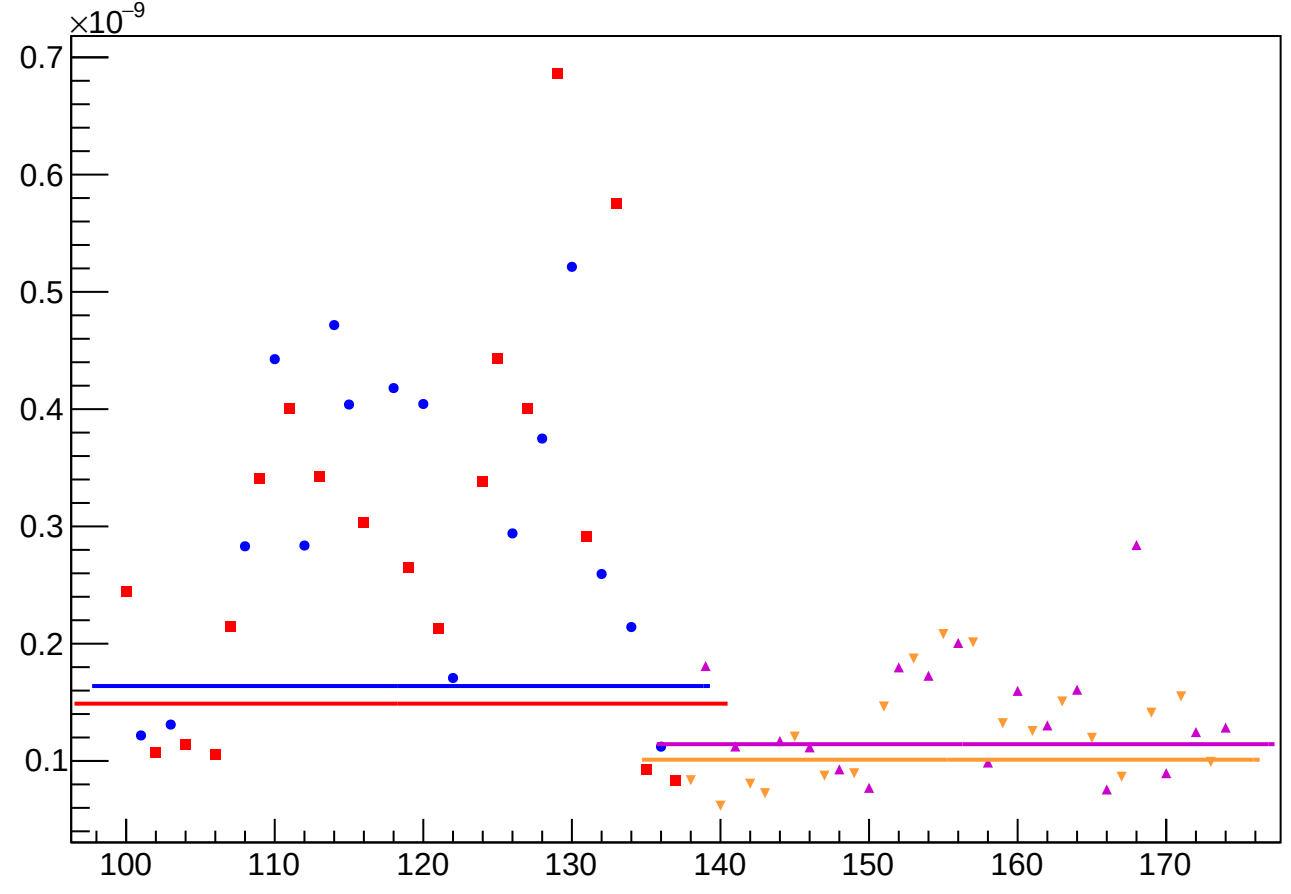
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:24.8/17

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/34

All: 0.000+/-0.000 χ^2/NDF: 80.8/71

- sign 0.000+/-0.000 χ^2/NDF: 44.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2125432.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

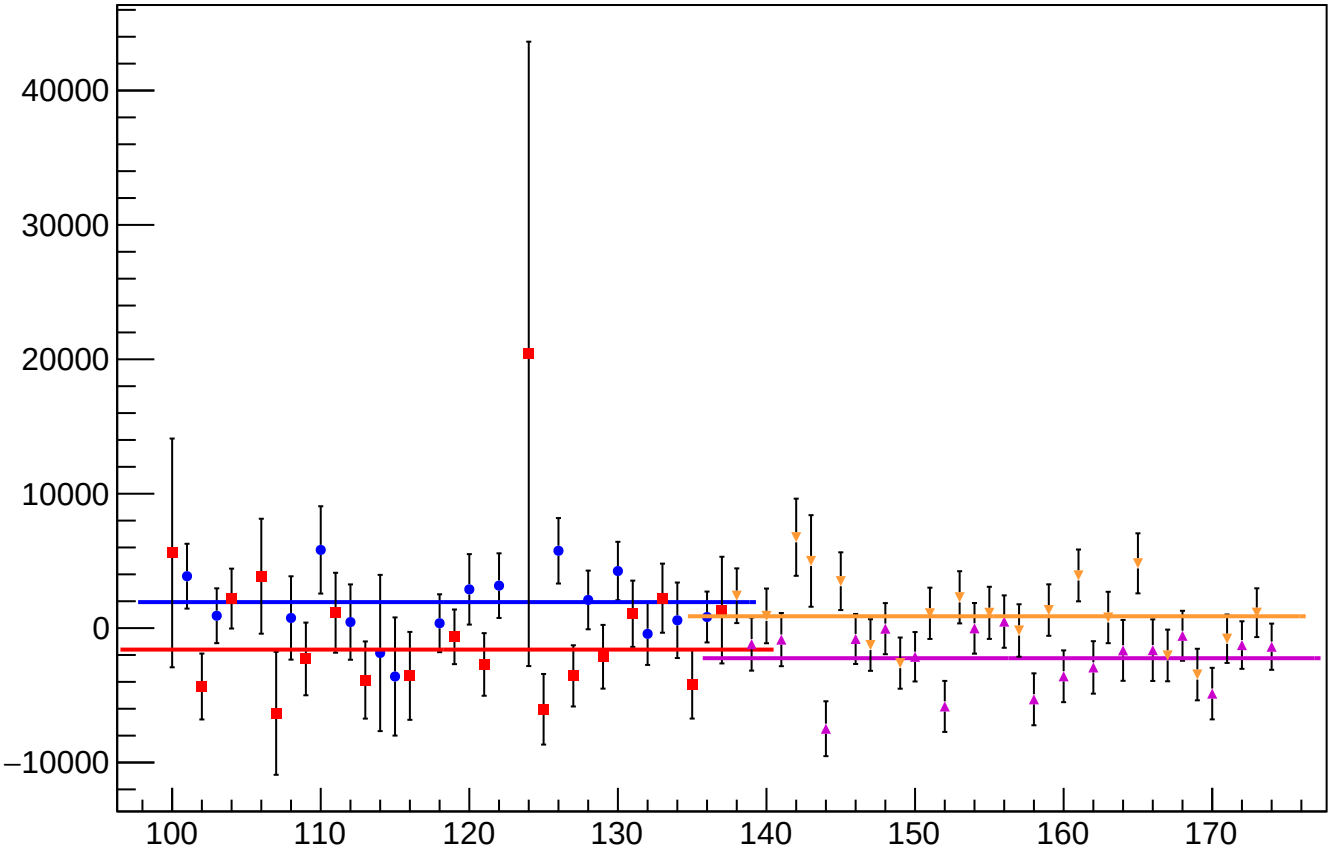
Left In: 0.000+/-0.000 χ^2/NDF:1953805.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 5031289.2/34

All: 0.000+/-0.000 χ^2/NDF: 10215363.2/71

- sign 0.000+/-0.000 χ^2/NDF: 5085317.4/36

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 880.833+/-461.633 χ^2/NDF:27.1/18

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

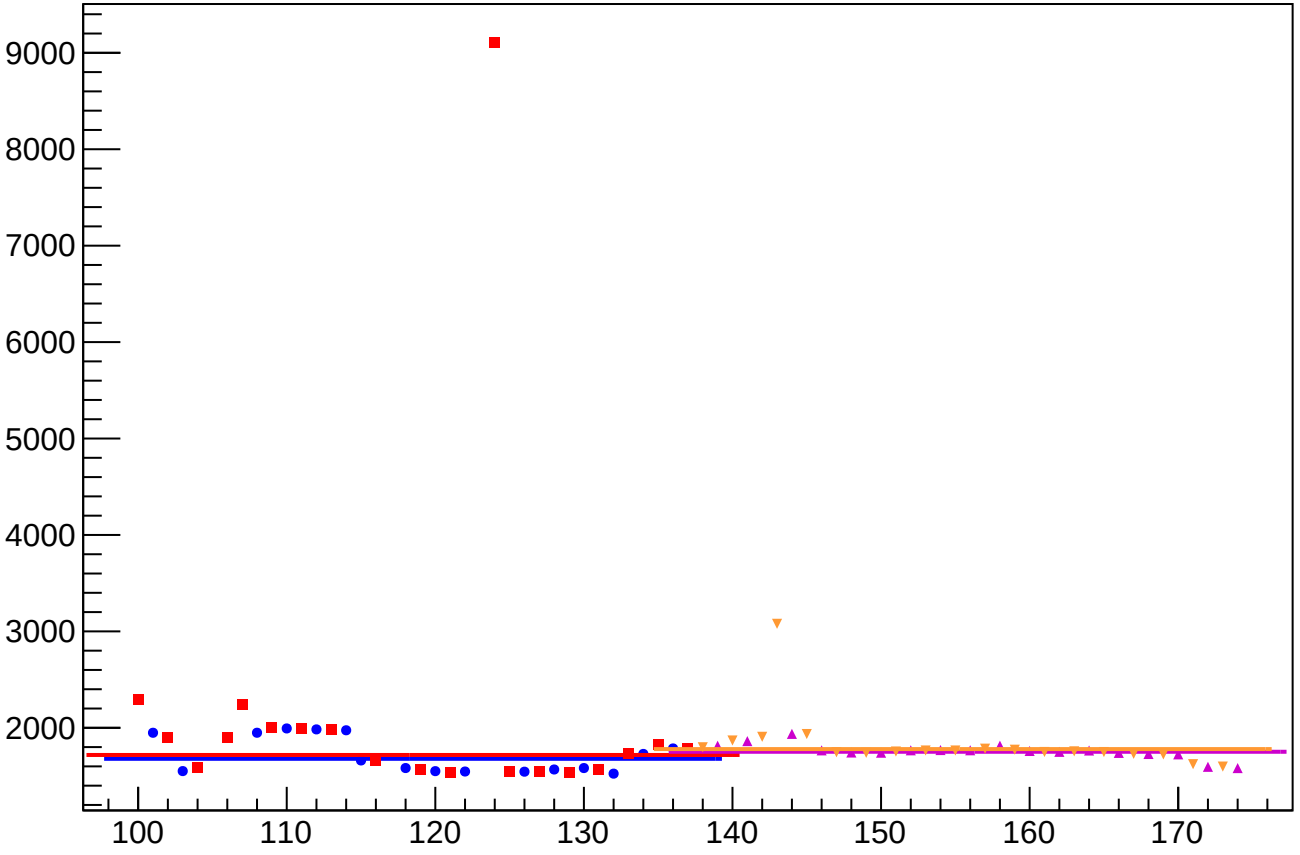
Left In: -2239.143+/-454.547 χ^2/NDF:22.7/17

+ sign 1250.641+/-371.926 χ^2/NDF: 39.8/34

All: -391.261+/-262.669 χ^2/NDF: 121.5/71

- 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: 1779.343+/-0.326 χ^2/NDF:350462.2/18

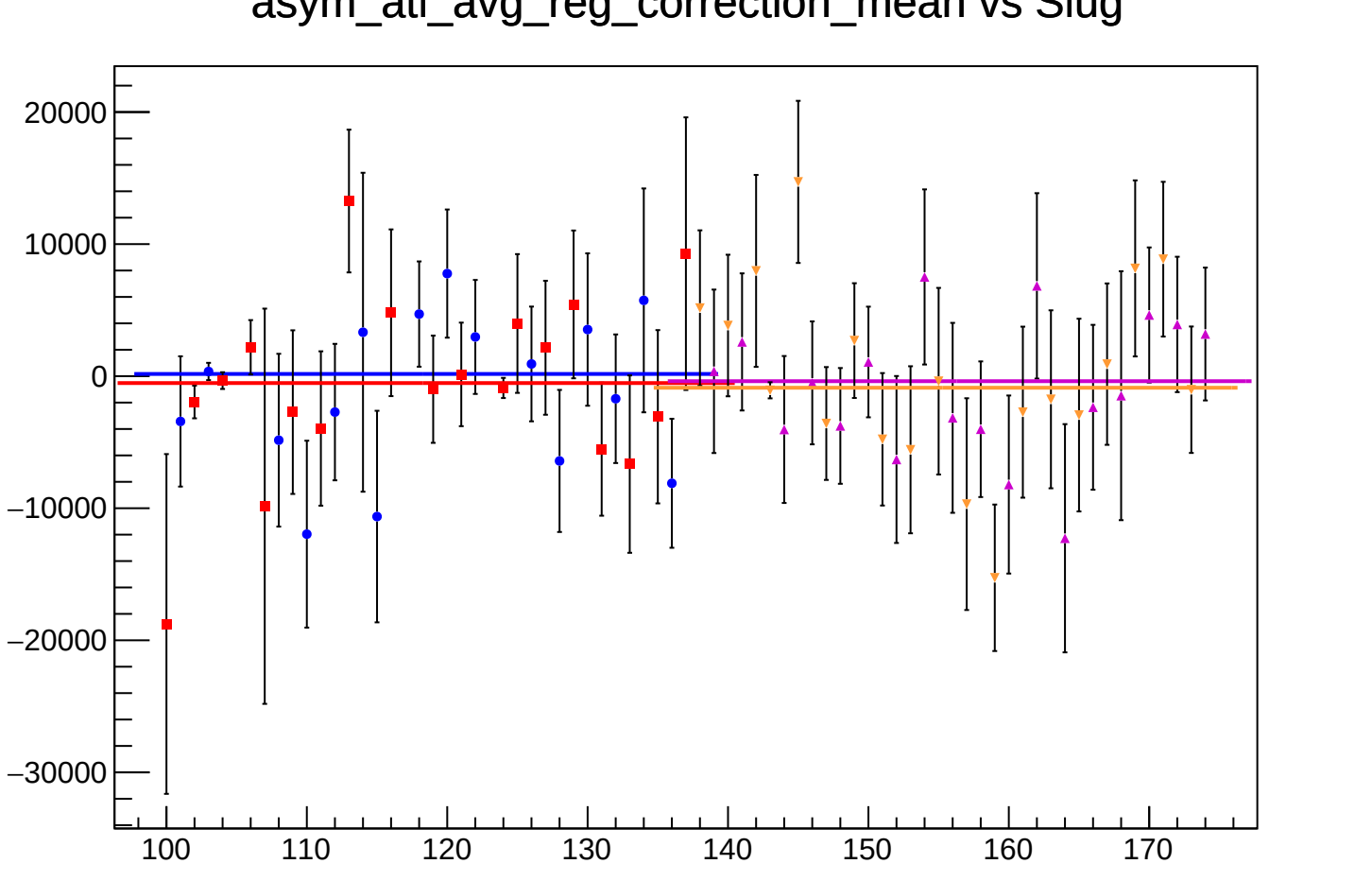
Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1751.557+/-0.321 χ^2/NDF:63302.4/17

+ sign 1743.973+/-0.263 χ^2/NDF: 525405.0/34

All: 1742.175+/-0.186 χ^2/NDF: 975573.0/71

- 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: -876.447+/-557.239 χ^2/NDF:24.9/18

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

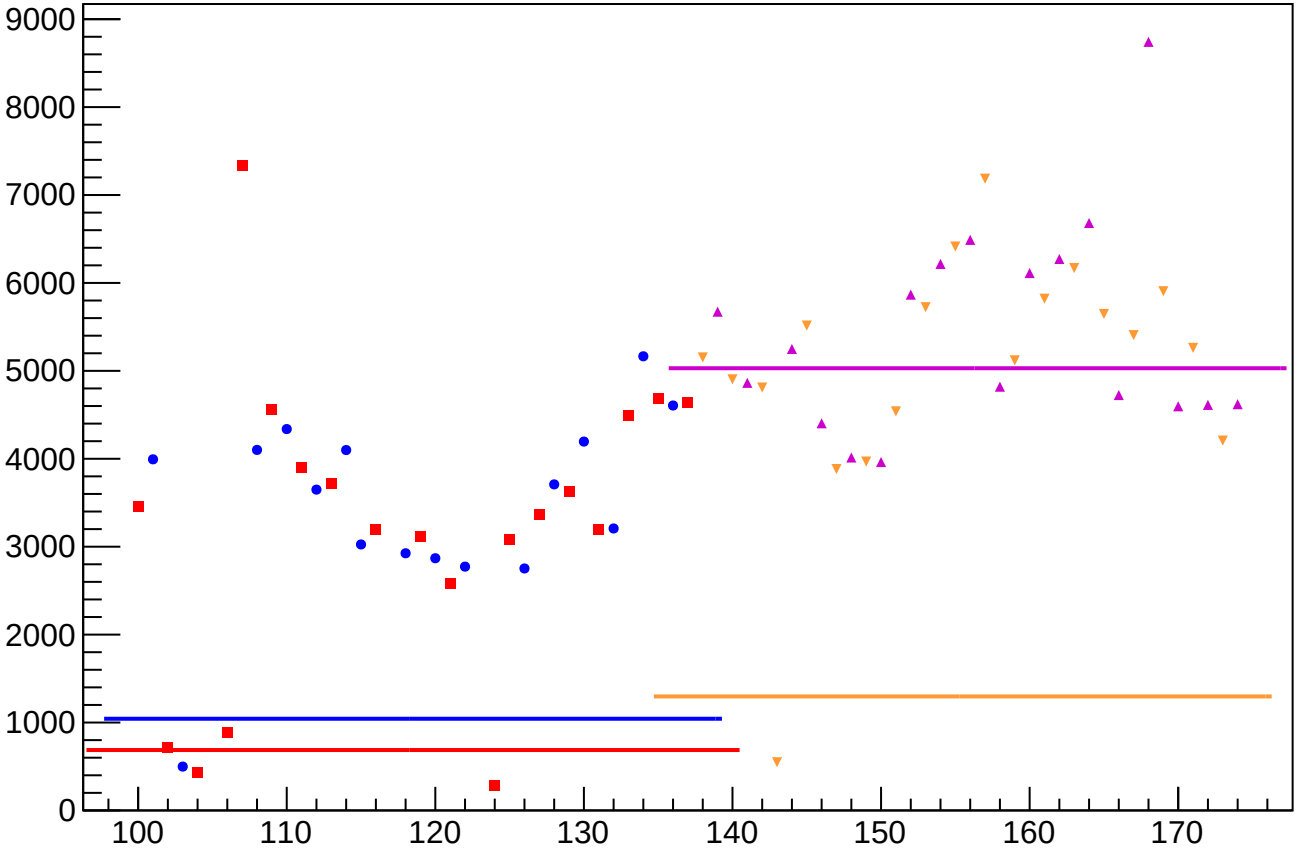
Left In: -379.679+/-1331.354 χ^2/NDF:11.0/17

+ sign -385.308+/-405.633 χ^2/NDF: 42.4/34

All: -446.805+/-286.490 χ^2/NDF: 72.0/71

- 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: 1296.899+/-0.394 χ^2/NDF:18815786.4/18

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

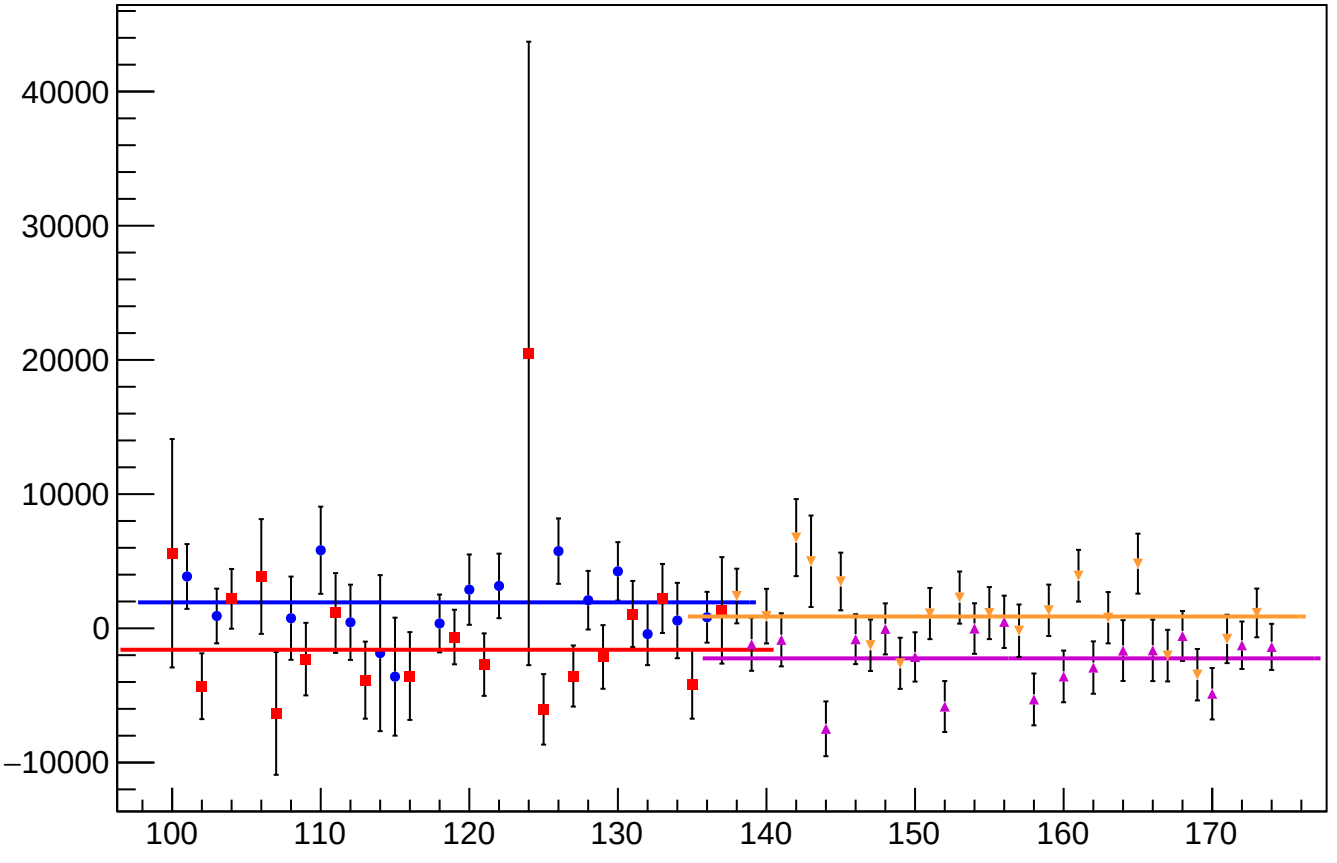
Left In: 5029.830+/-0.941 χ^2/NDF:1028083.7/17

+ sign 1177.593+/-0.287 χ^2/NDF: 27122699.8/34

All: 1132.967+/-0.203 χ^2/NDF: 56142282.3/7

- sign 1088.550+/-0.286 χ^2/NDF: 28971282.5/36

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 880.829+/-461.633 χ^2/NDF:27.1/18

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

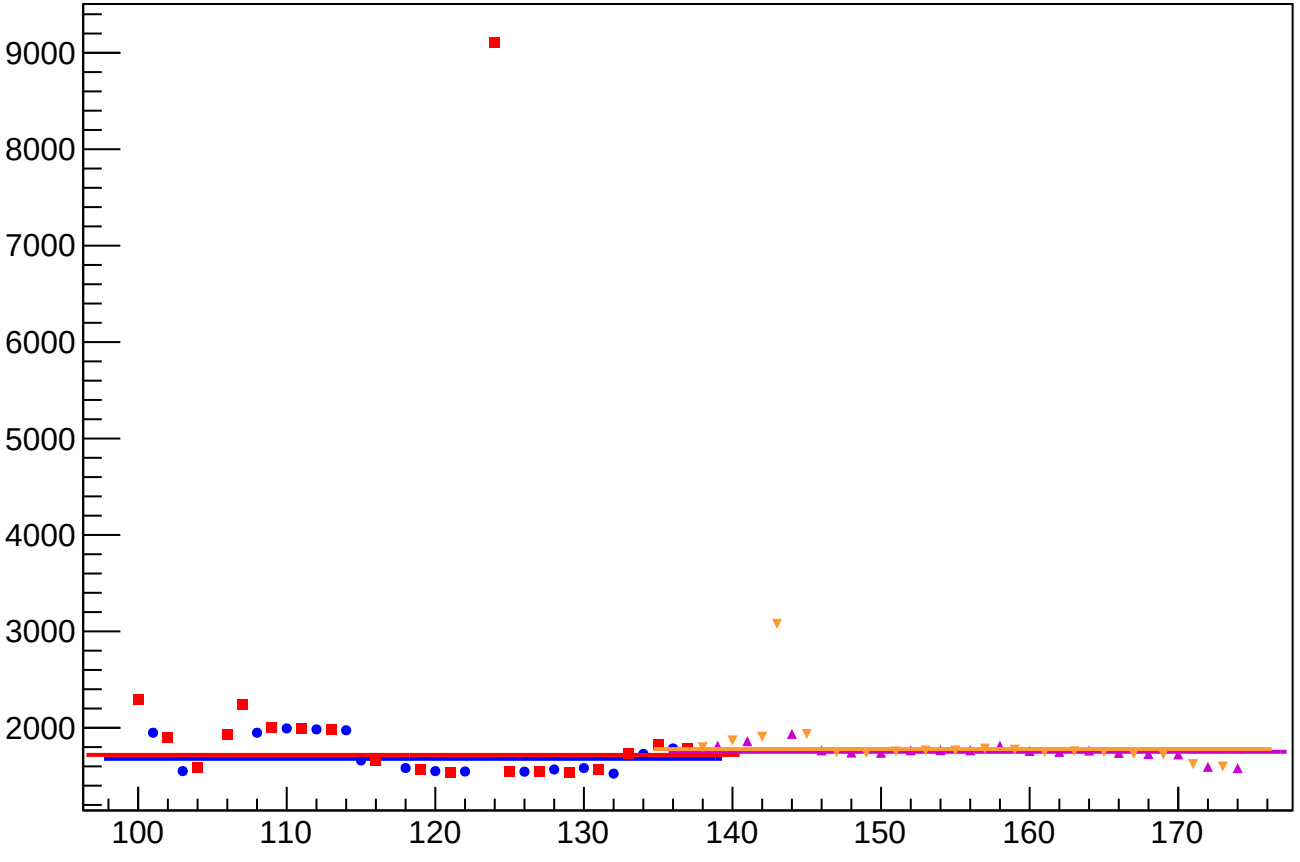
Left In: -2239.210+/-454.547 χ^2/NDF:22.7/17

+ sign 1250.680+/-371.926 χ^2/NDF: 39.8/34

All: -390.853+/-262.670 χ^2/NDF: 121.4/71

- sign -2024.373+/-371.017 χ^2/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: 1779.343+/-0.326 χ^2/NDF:350462.2/18

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

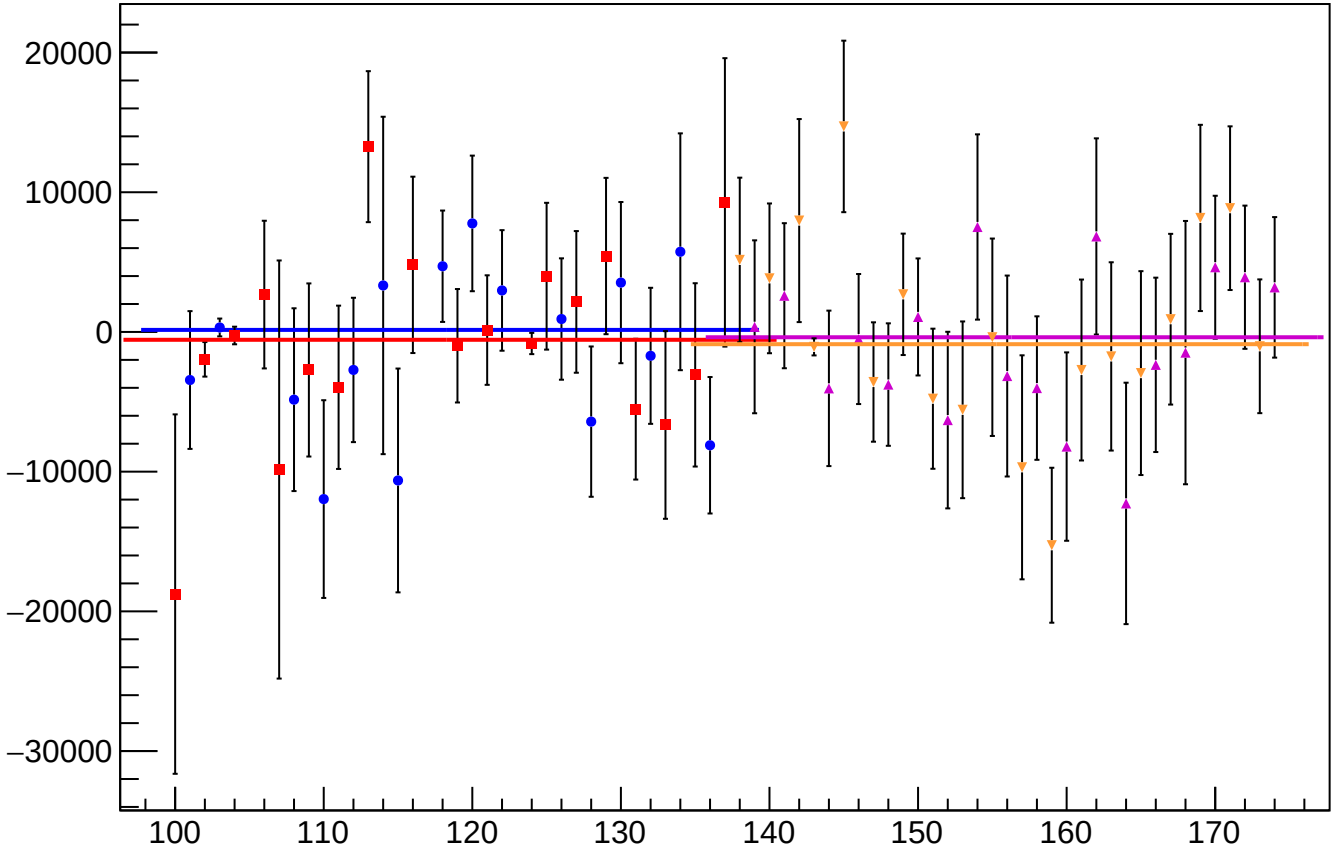
Left In: 1751.557+/-0.321 χ^2/NDF:63302.4/17

+ sign 1743.973+/-0.263 χ^2/NDF: 525405.1/34

All: 1742.319+/-0.186 χ^2/NDF: 977121.5/71

- sign 1740.678+/-0.262 χ^2/NDF: 451637.6/36

asym_atl_avg_cor_correction_mean vs Slug



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -876.118+/-557.220 χ^2/NDF:24.9/18

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

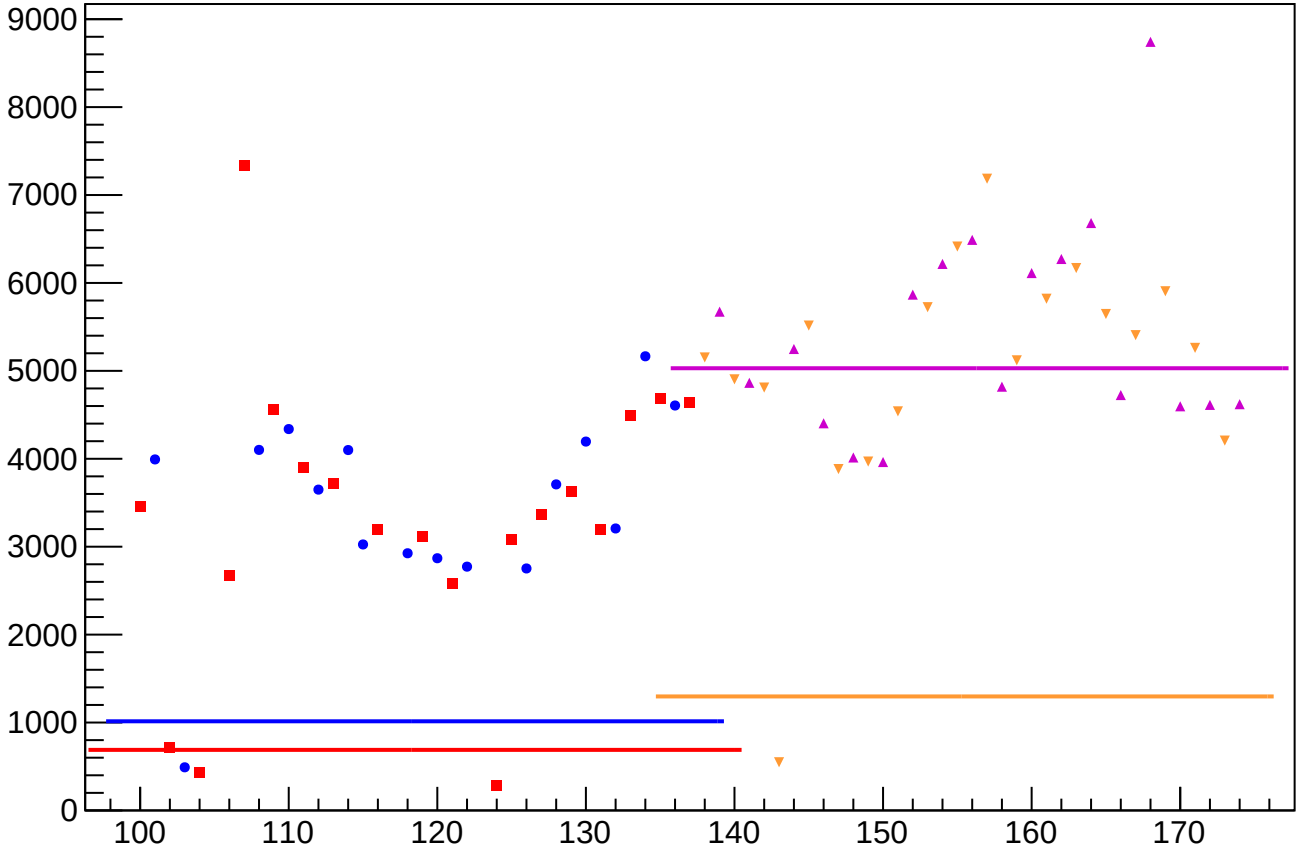
Left In: -379.785+/-1331.354 χ^2/NDF:11.0/17

+ sign -384.696+/-401.612 χ^2/NDF: 42.3/34

All: -462.877+/-286.807 χ^2/NDF: 70.6/71

- 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: 1296.829+/-0.394 χ^2/NDF:18816221.4/18

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

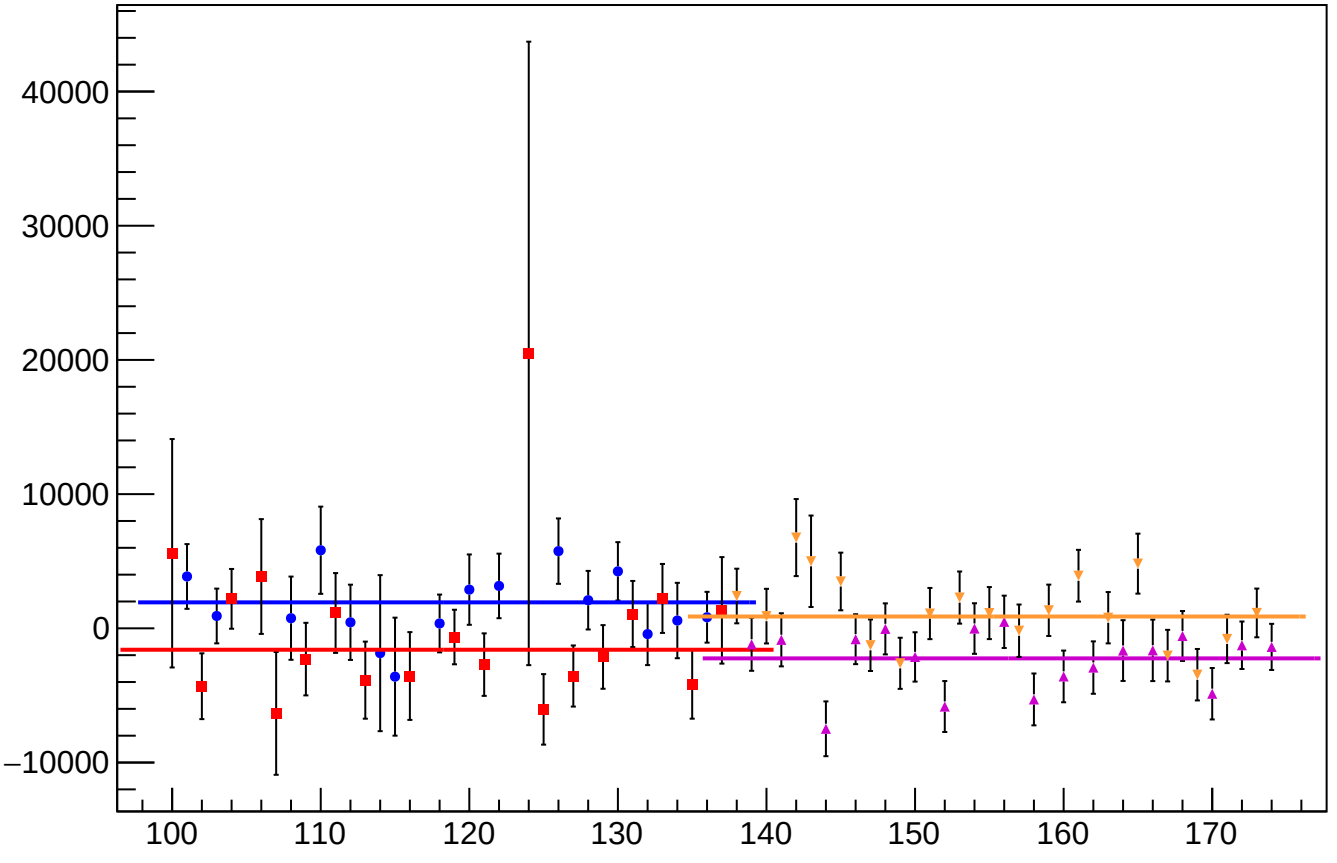
Left In: 5029.826+/-0.941 χ^2/NDF:1028102.5/17

+ sign 1160.966+/-0.284 χ^2/NDF: 27286671.2/34

All: 1131.174+/-0.203 χ^2/NDF: 56494687.2/7

- 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: 880.829+/-461.633 χ^2/NDF:27.1/18

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

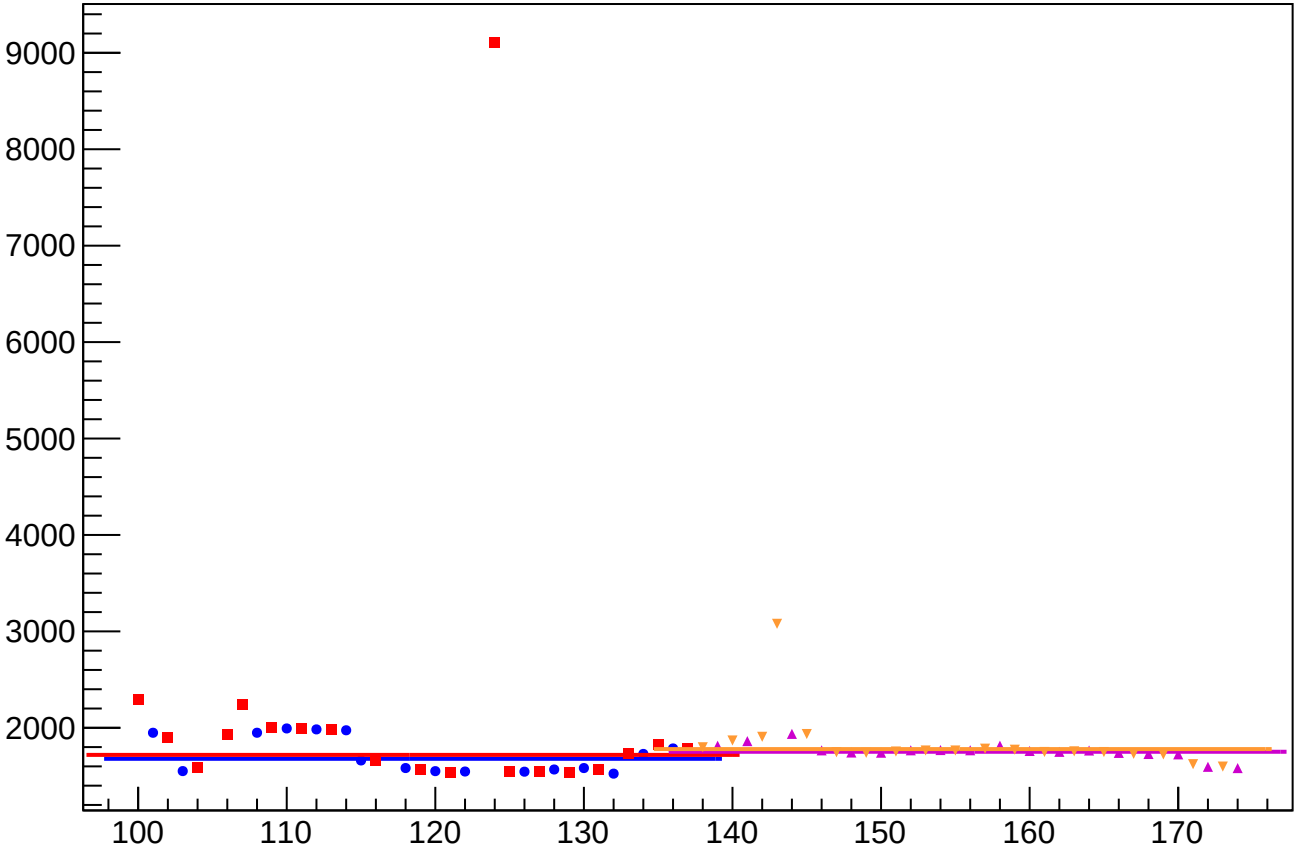
Left In: -2239.210+/-454.547 χ^2/NDF:22.7/17

+ sign 1250.680+/-371.926 χ^2/NDF: 39.8/34

All: -390.853+/-262.670 χ^2/NDF: 121.4/71

- 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: 1779.343+/-0.326 χ^2/NDF:350462.2/18

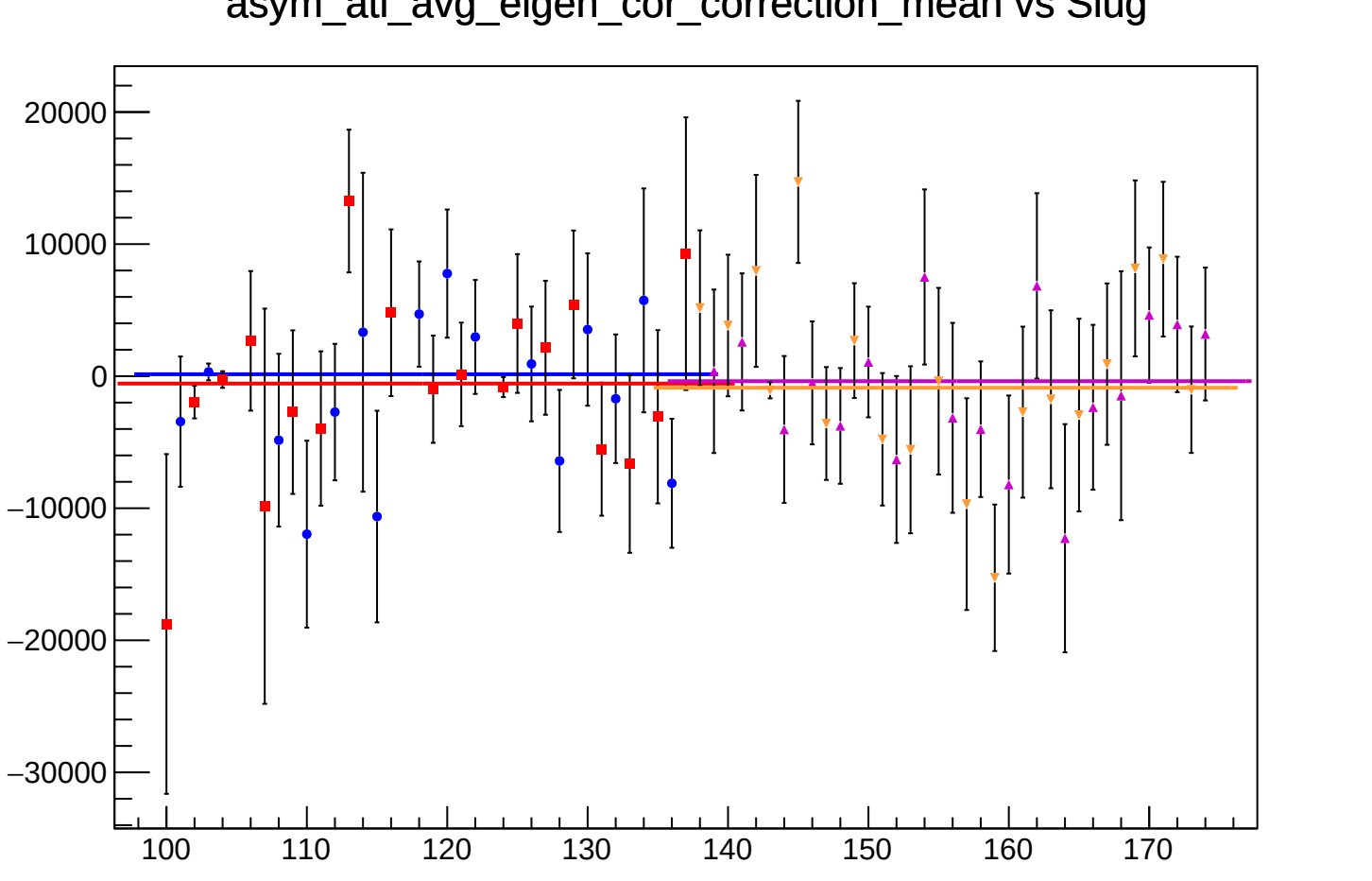
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1751.557+/-0.321 χ^2/NDF:63302.4/17

+ sign 1743.973+/-0.263 χ^2/NDF: 525405.1/34

All: 1742.319+/-0.186 χ^2/NDF: 977121.5/71

- 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: -876.118+/-557.220 χ^2/NDF:24.9/18

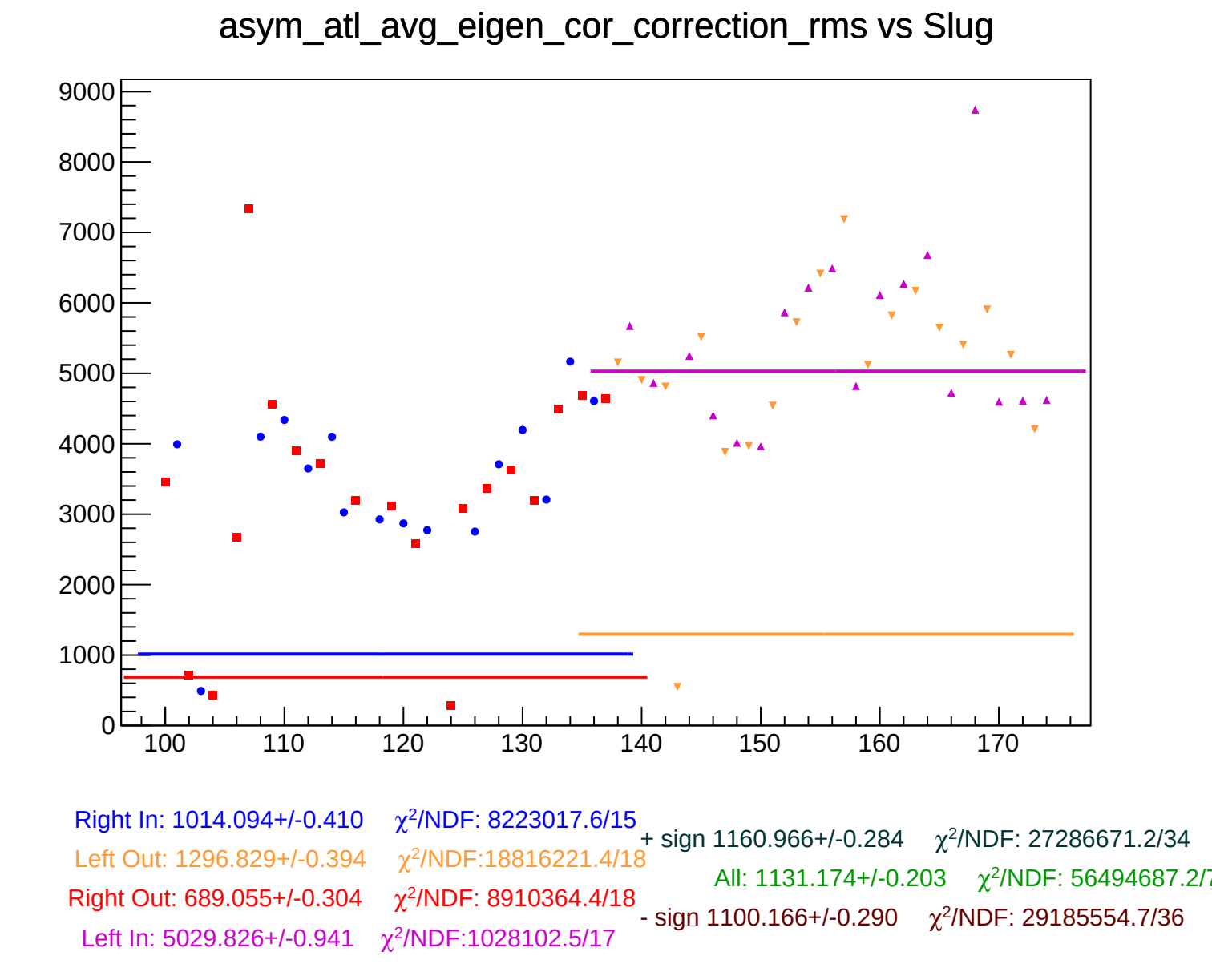
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

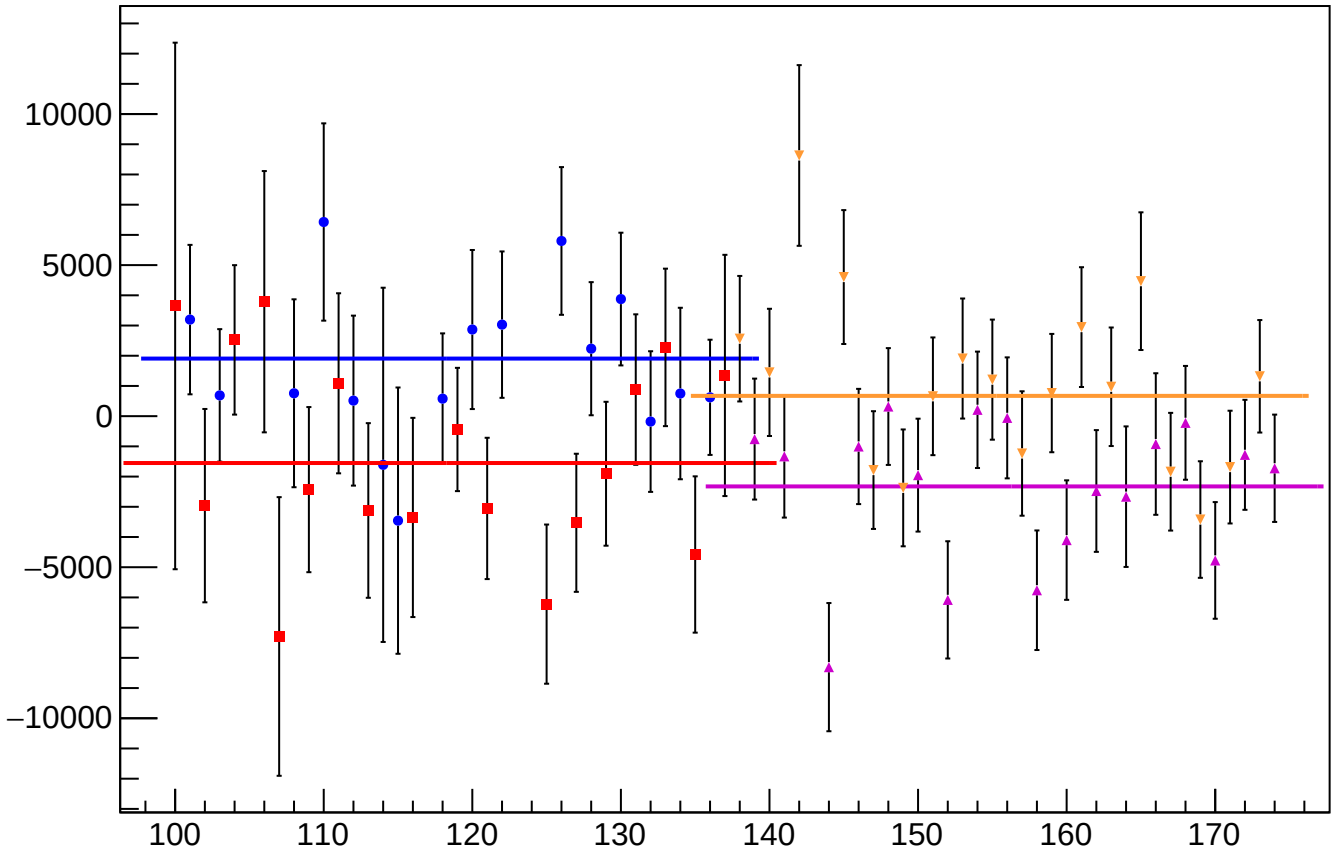
Left In: -379.785+/-1331.354 χ^2/NDF:11.0/17

+ sign -384.696+/-401.612 χ^2/NDF: 42.3/34

All: -462.877+/-286.807 χ^2/NDF: 70.6/71

- sign -544.249+/-409.722 χ^2/NDF: 28.2/36


asym_atl_avg_eigen_cor_correction_rms vs Slug
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
Right In: 1014.094+/-0.410 χ²/NDF: 8223017.6/15
Left Out: 1296.829+/-0.394 χ²/NDF:18816221.4/18
Right Out: 689.055+/-0.304 χ²/NDF: 8910364.4/18
Left In: 5029.826+/-0.941 χ²/NDF:1028102.5/17
+ sign 1160.966+/-0.284 χ²/NDF: 27286671.2/34
All: 1131.174+/-0.203 χ²/NDF: 56494687.2/
- sign 1100.166+/-0.290 χ²/NDF: 29185554.7/36



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 671.550+/-477.565 χ^2/NDF:28.6/17

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

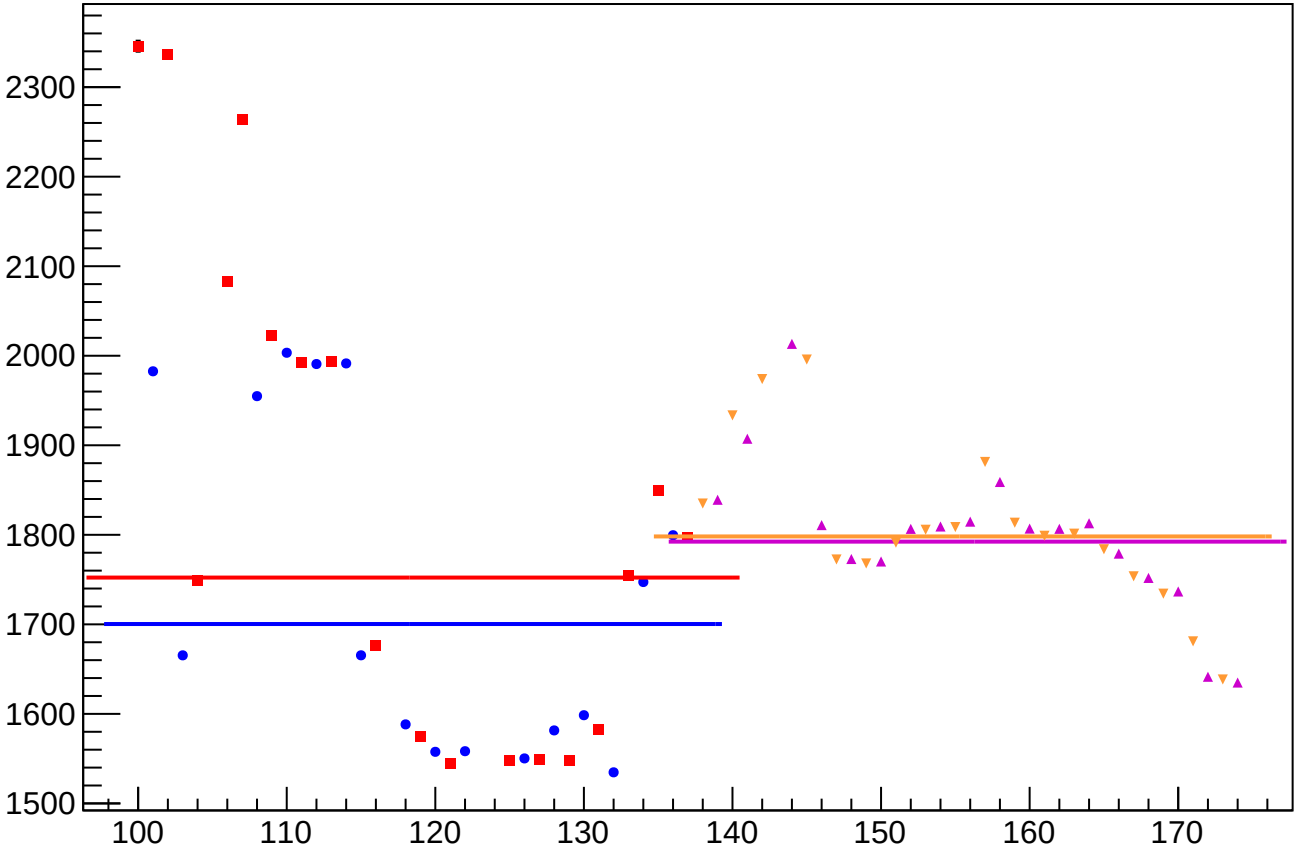
Left In: -2325.473+/-465.185 χ^2/NDF:25.5/17

+ sign 1116.312+/-381.983 χ^2/NDF: 41.2/33

All: -482.811+/-269.552 χ^2/NDF: 120.0/69

- 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: 1798.176+/-0.338 χ^2/NDF:61952.7/17

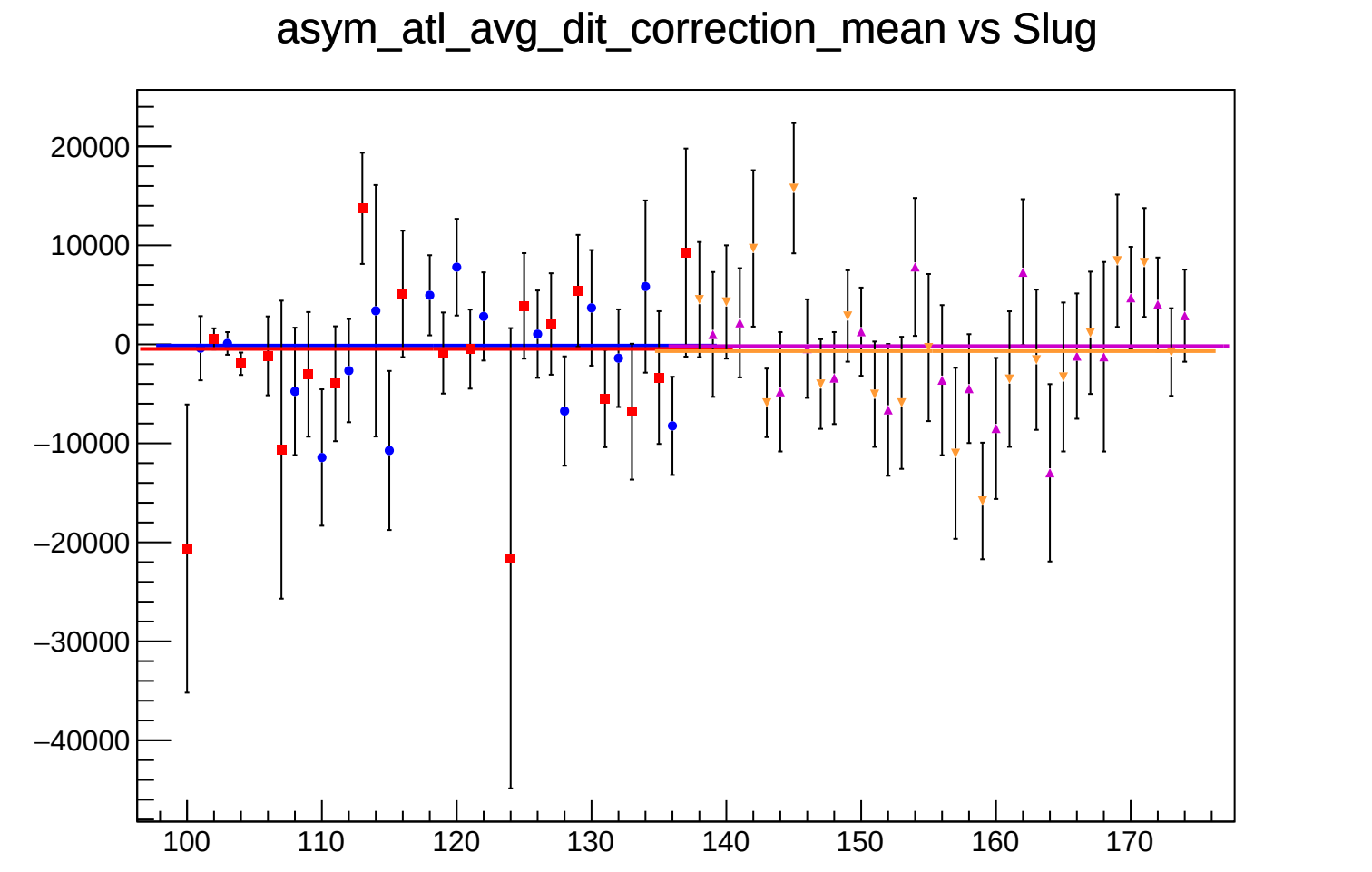
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1792.384+/-0.329 χ^2/NDF:65108.3/17

+ sign 1762.938+/-0.270 χ^2/NDF: 227598.5/33

All: 1771.032+/-0.191 χ^2/NDF: 547394.9/69

- sign 1779.047+/-0.269 χ^2/NDF: 318009.3/35



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -681.032+/-1304.059 χ^2/NDF:27.2/18

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

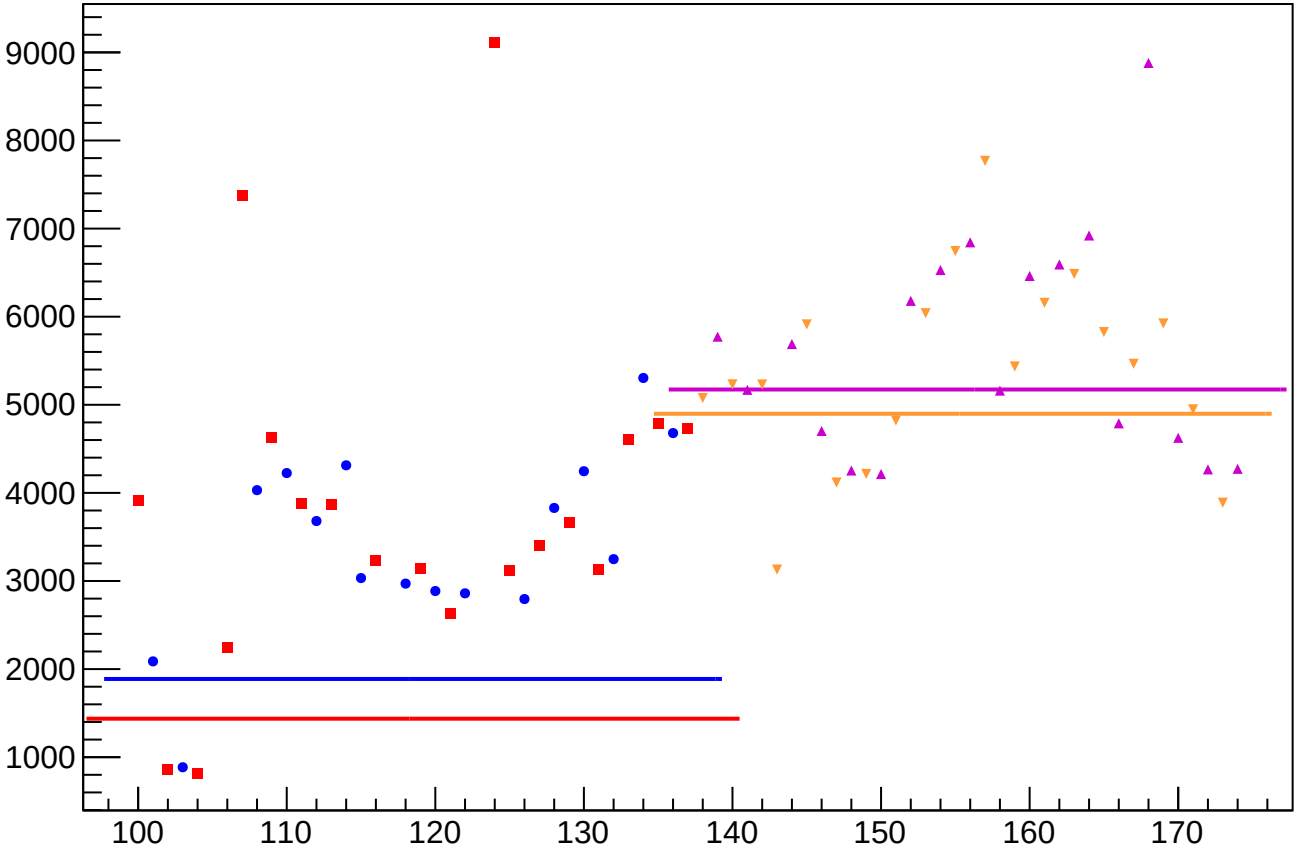
Left In: -174.381+/-1372.091 χ^2/NDF:11.1/17

+ sign -295.940+/-722.366 χ^2/NDF: 42.4/34

All: -358.745+/-465.465 χ^2/NDF: 72.0/71

- 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: 4898.132+/-0.922 χ^2/NDF:1470782.2/18

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

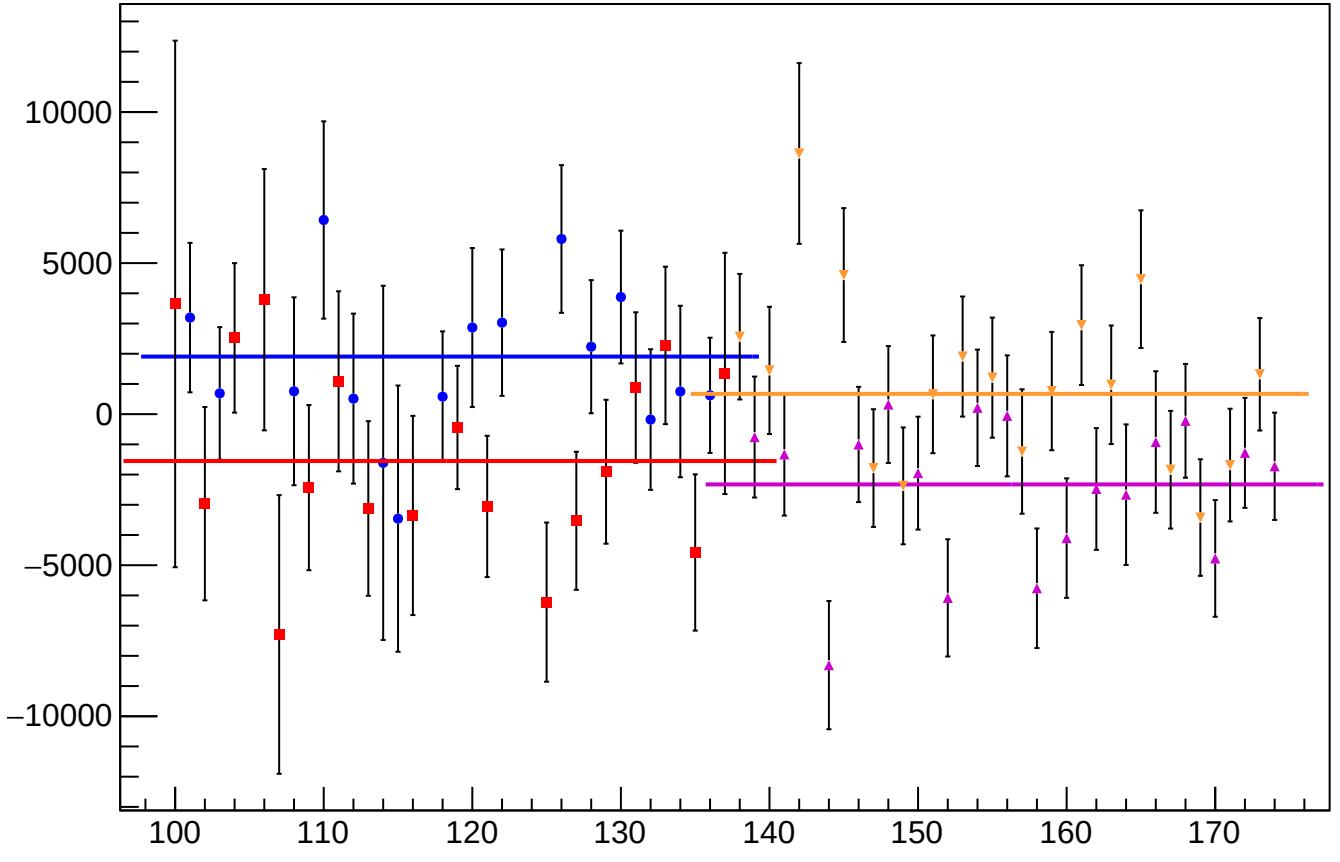
Left In: 5173.564+/-0.970 χ^2/NDF:1134000.6/17

+ sign 2811.644+/-0.511 χ^2/NDF: 13282943.2/34

All: 2437.819+/-0.329 χ^2/NDF: 33209807.2/7

- 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: 671.548+/-477.565 χ^2/NDF:28.6/17

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

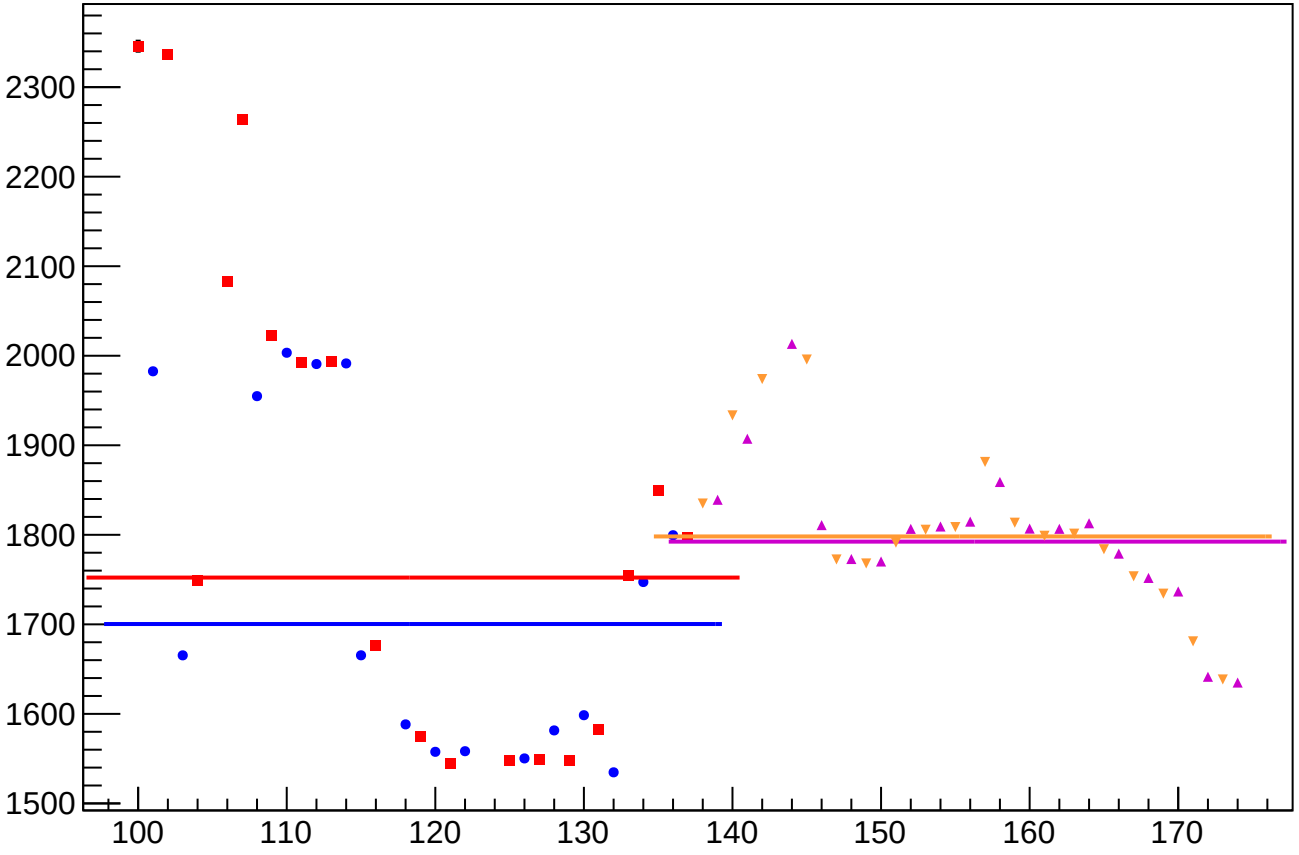
Left In: -2325.473+/-465.185 χ^2/NDF:25.5/17

+ sign 1116.310+/-381.983 χ^2/NDF: 41.2/33

All: -482.811+/-269.552 χ^2/NDF: 120.0/69

- 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: 1798.176+/-0.338 χ^2/NDF:61955.0/17

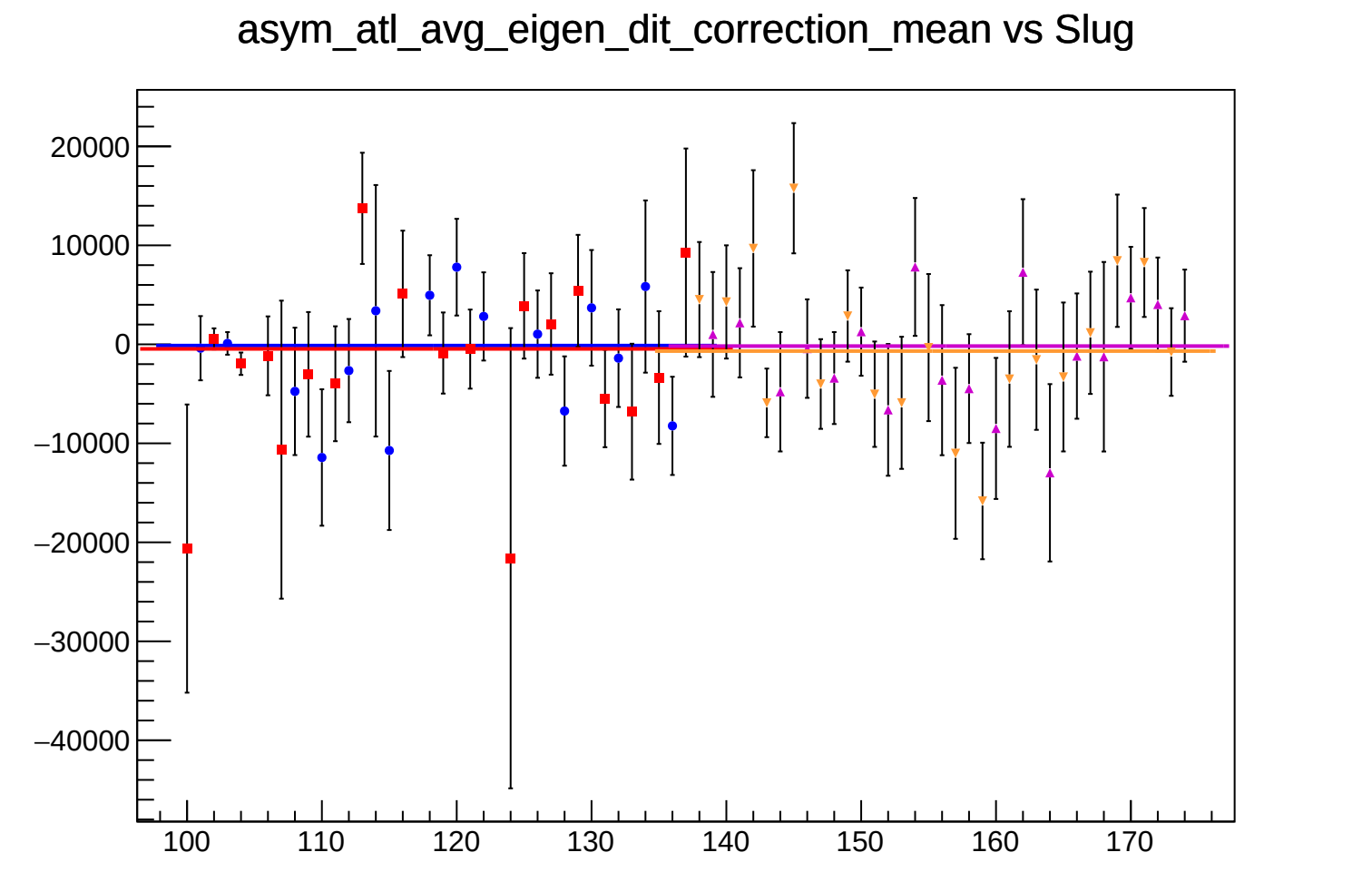
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1792.384+/-0.329 χ^2/NDF:65110.5/17

\+ sign 1762.938+/-0.270 χ^2/NDF: 227601.5/33

All: 1771.032+/-0.191 χ^2/NDF: 547399.8/69

\- 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: -681.037+/-1304.061 χ^2/NDF:27.2/18

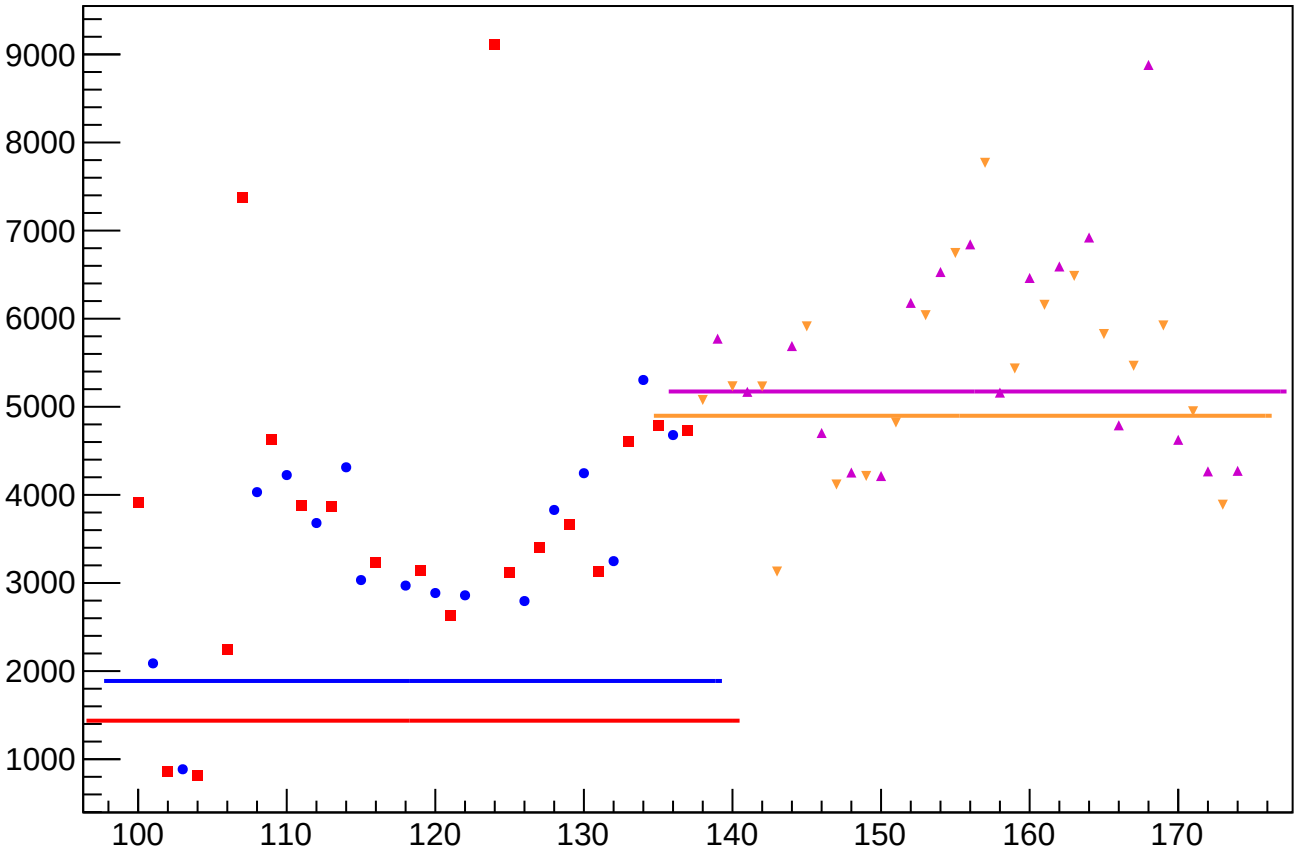
Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: -174.381+/-1372.094 χ^2/NDF:11.1/17

+ sign -295.937+/-722.363 χ^2/NDF: 42.4/34

All: -358.744+/-465.463 χ^2/NDF: 72.0/71

- sign -403.336+/-608.670 χ^2/NDF: 29.6/36



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4898.139+/-0.922 χ^2/NDF:1470787.4/18

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

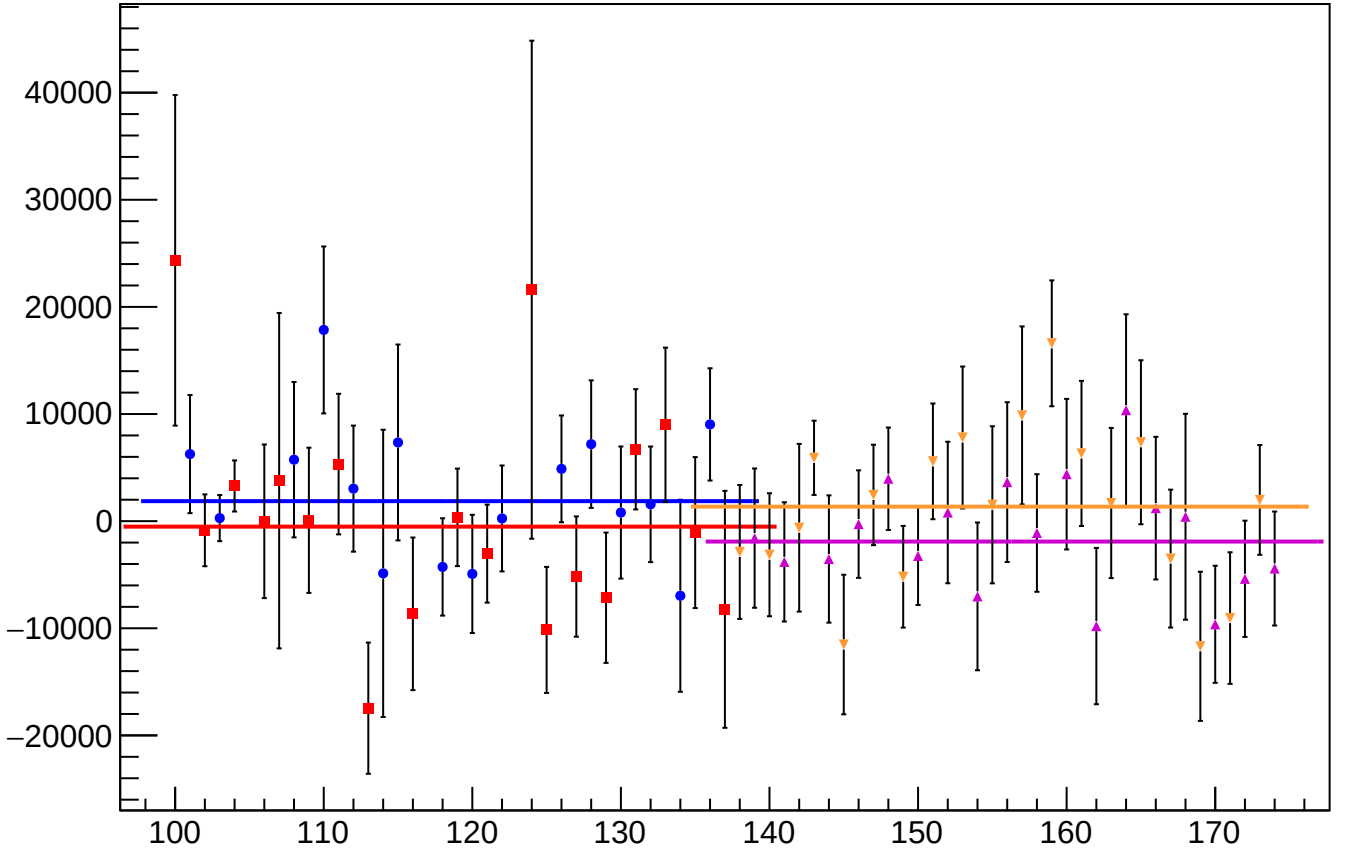
Left In: 5173.573+/-0.970 χ^2/NDF:1134001.0/17

+ sign 2811.625+/-0.511 χ^2/NDF: 13283114.0/34

All: 2437.799+/-0.329 χ^2/NDF: 33210166.5/7

- 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: 1352.990+/-1340.224 χ^2/NDF:26.2/18

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

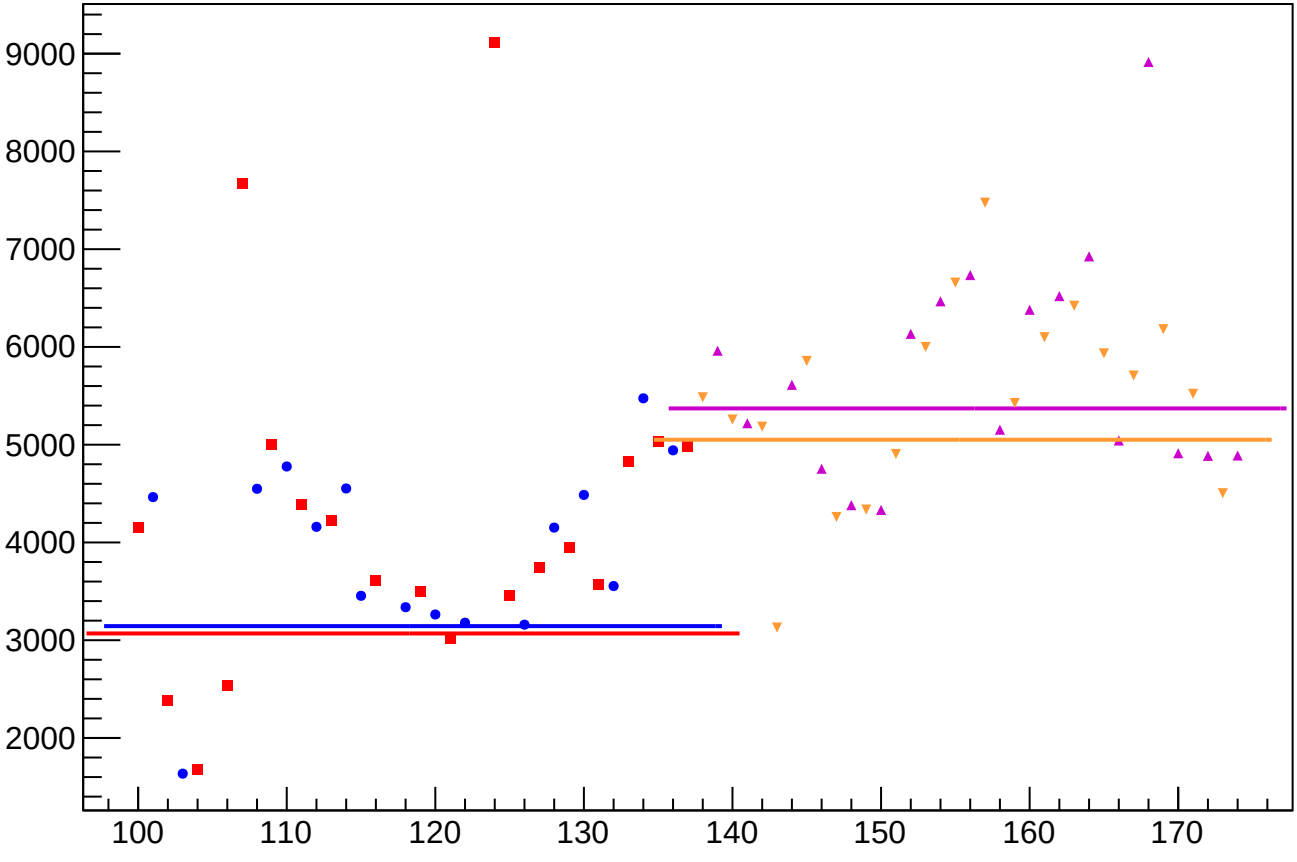
Left In: -1905.382+/-1416.737 χ^2/NDF:9.9/17

+ sign 1625.801+/-917.692 χ^2/NDF: 40.1/34

All: 277.884+/-654.501 χ^2/NDF: 79.6/71

- 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: 5050.634+/-0.948 χ^2/NDF:1336717.6/18

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

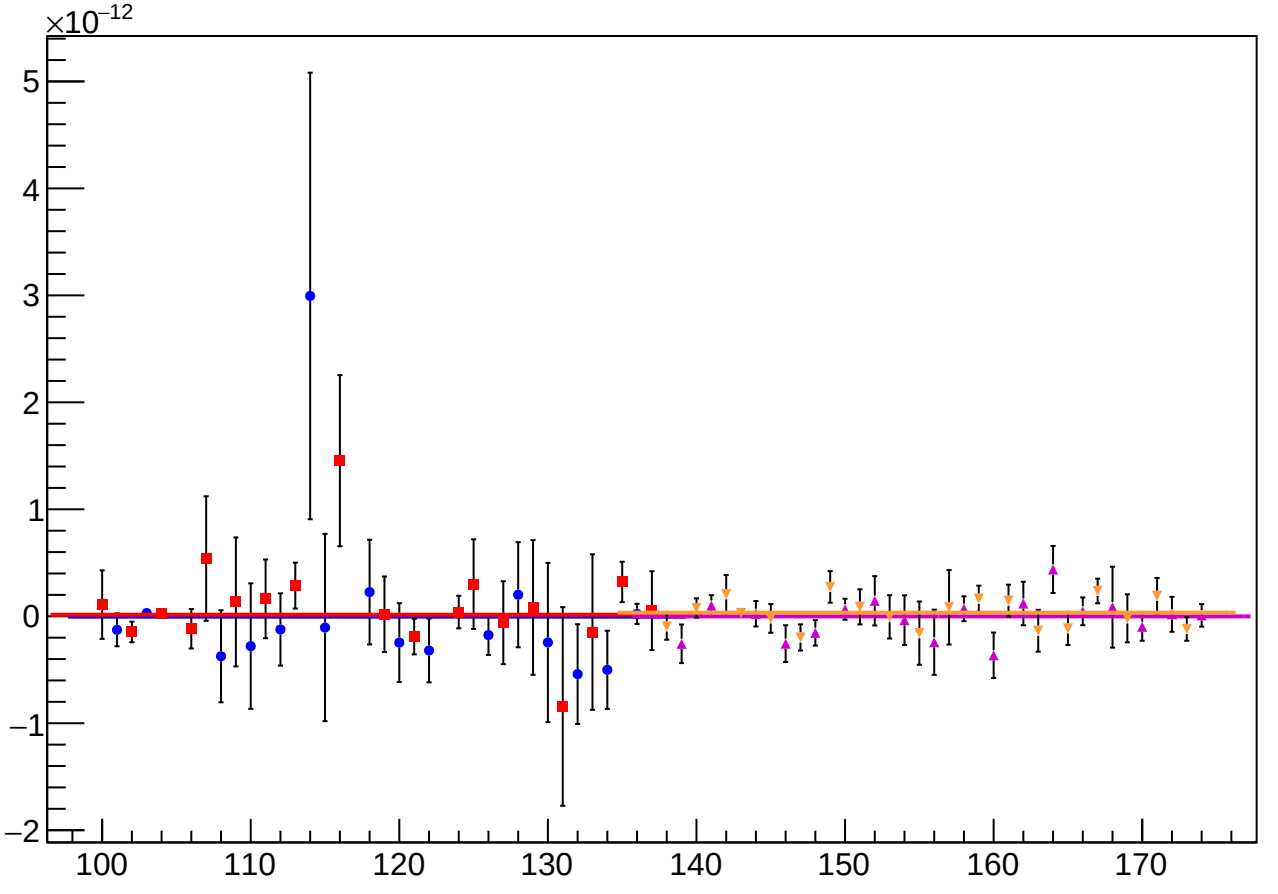
Left In: 5371.126+/-1.002 χ^2/NDF:862011.6/17

+ sign 4038.006+/-0.649 χ^2/NDF: 5369476.5/34

All: 4044.597+/-0.461 χ^2/NDF: 11140802.0/7

- 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:18.5/18

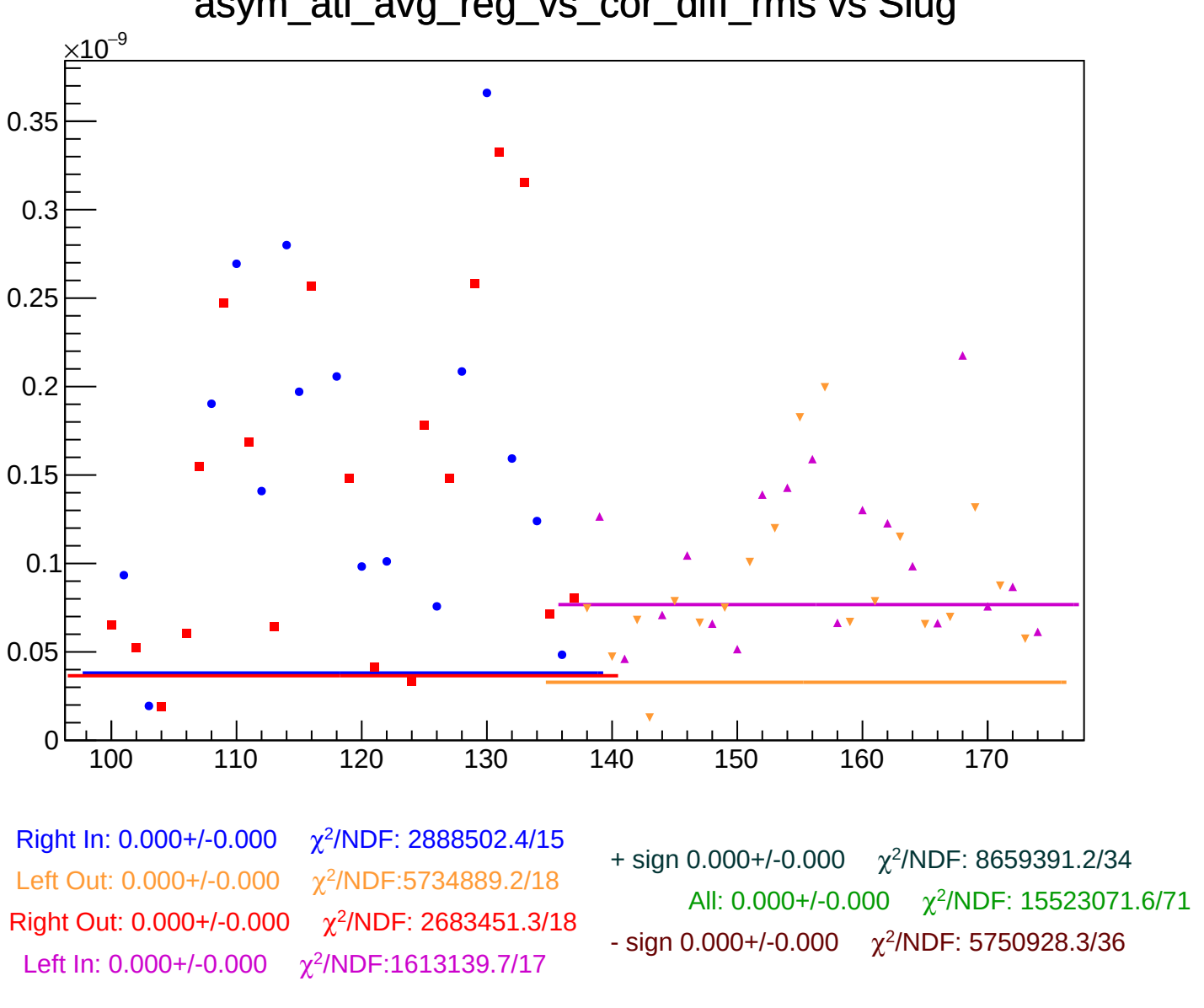
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/17

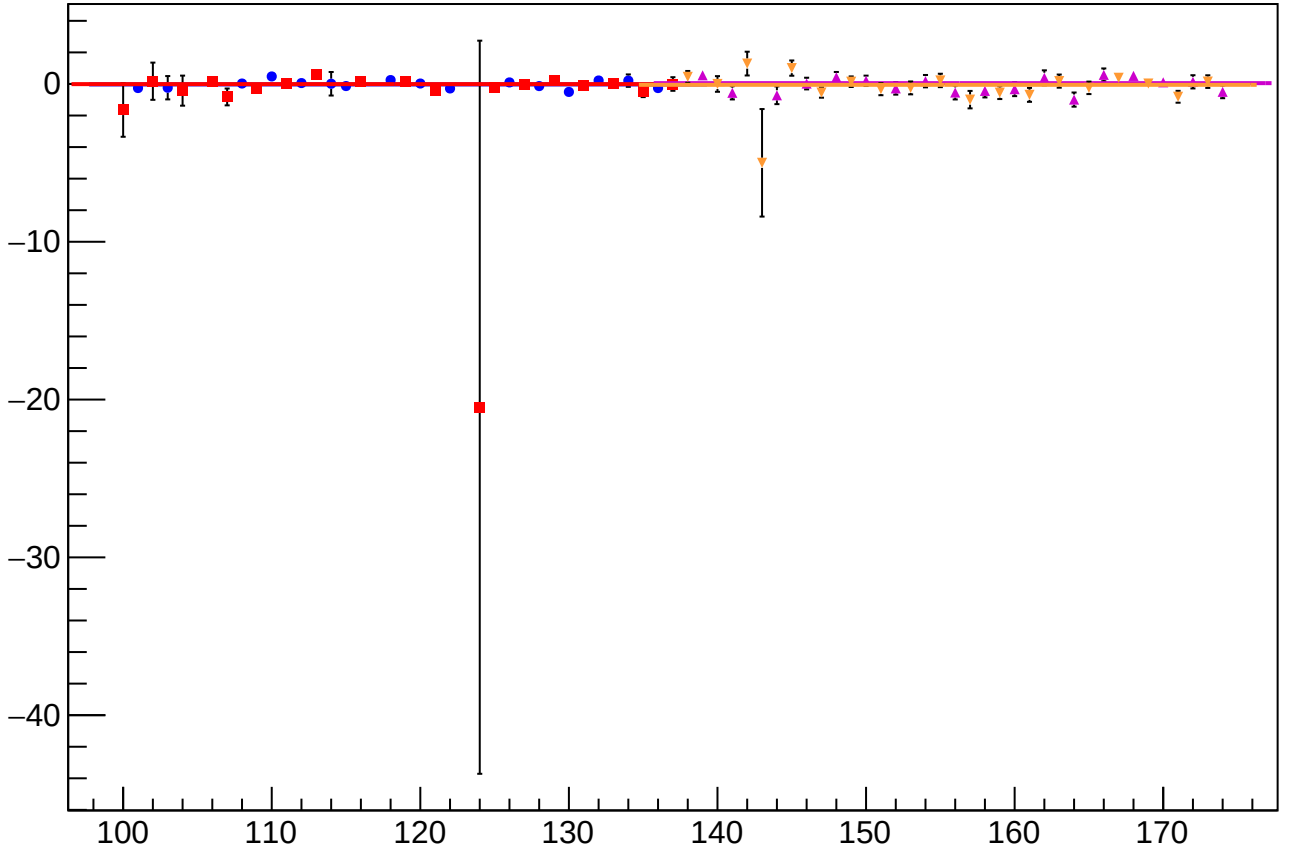
+ sign 0.000+/-0.000 χ^2/NDF: 30.1/34

All: 0.000+/-0.000 χ^2/NDF: 62.4/71

- 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:5734889.2/18
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: 8659391.2/34
All: 0.000+/-0.000 χ²/NDF: 15523071.6/71
- 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: -0.054+/-0.087 χ^2/NDF:29.5/18

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

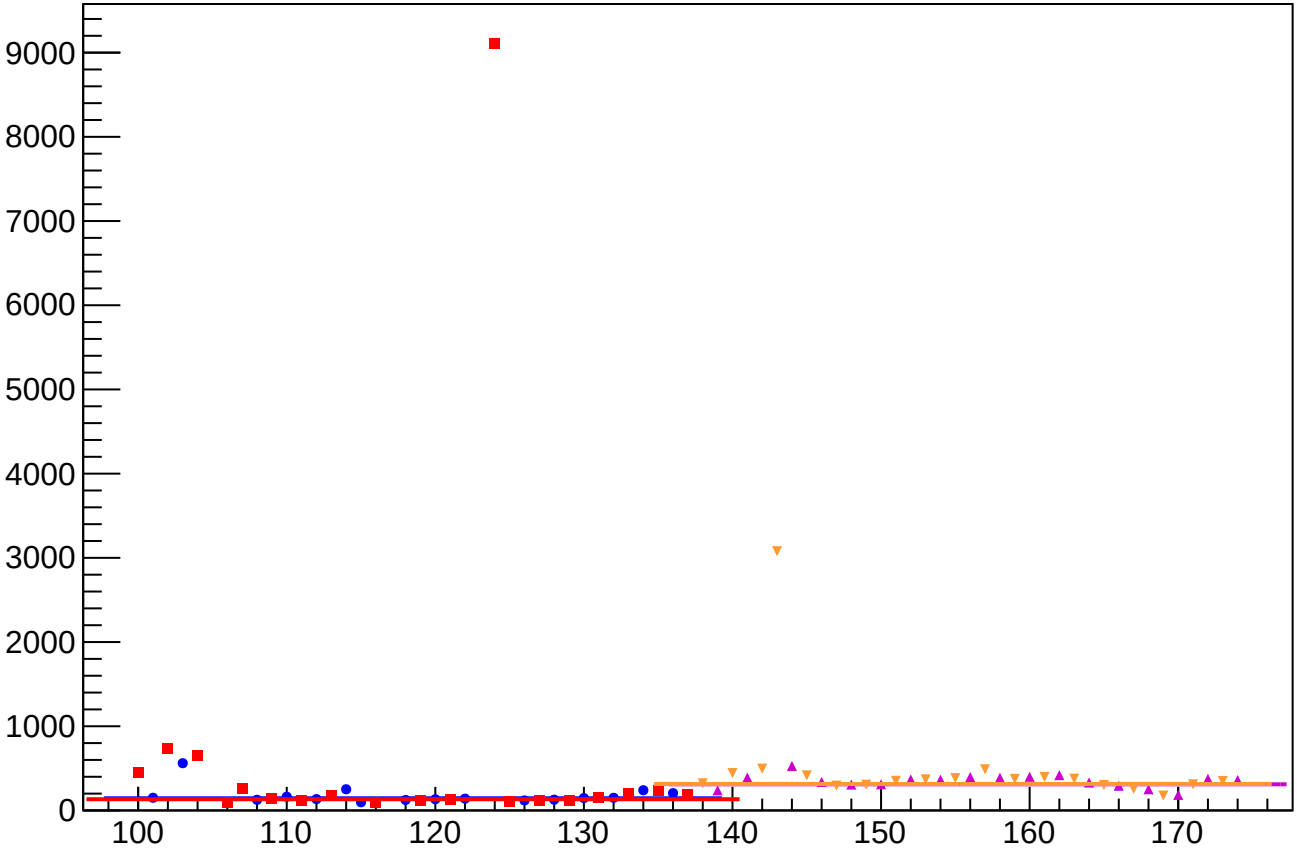
Left In: 0.051+/-0.085 χ^2/NDF:25.7/17

+ sign -0.036+/-0.048 χ^2/NDF: 46.8/34

All: -0.013+/-0.034 χ^2/NDF: 95.2/71

- 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: 314.237+/-0.062 χ^2/NDF:3180724.0/18

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

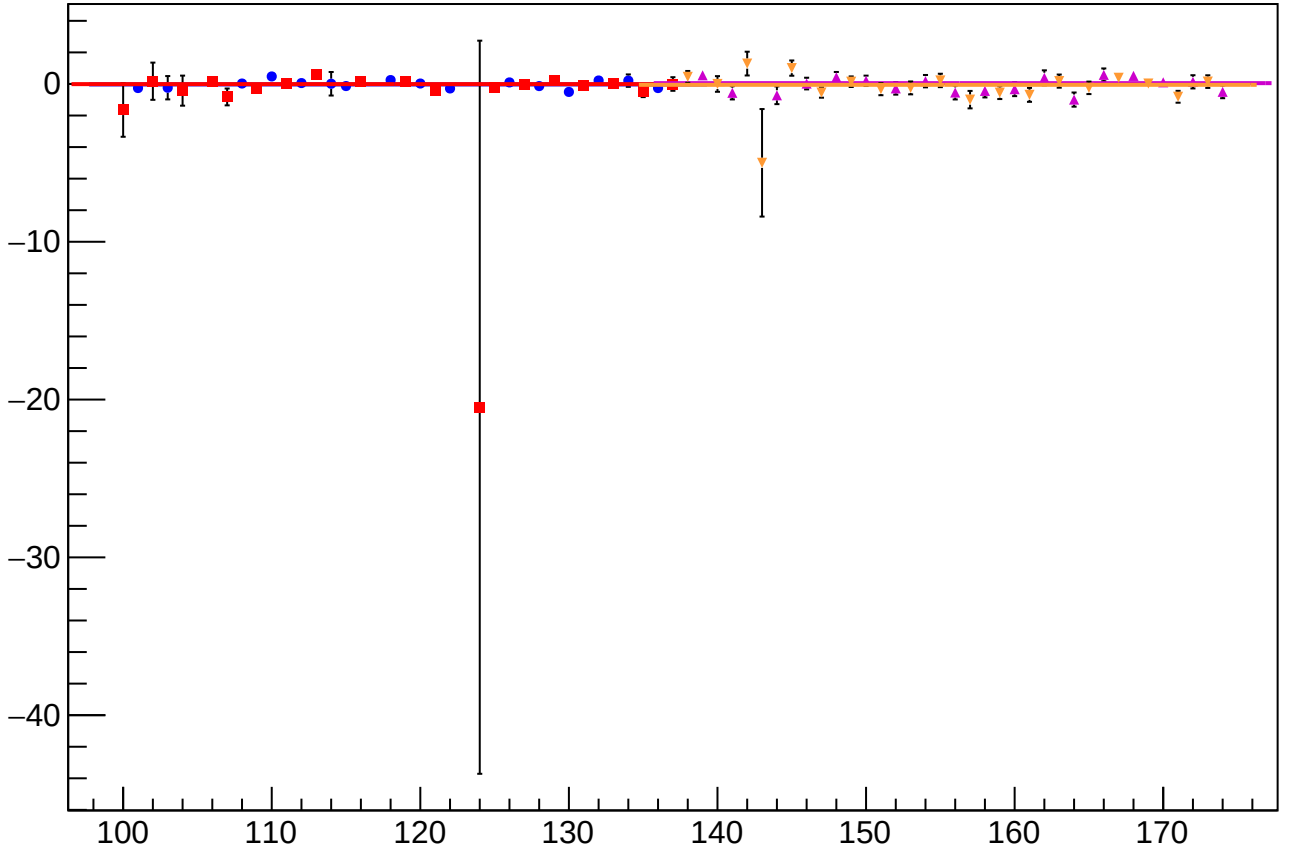
Left In: 310.510+/-0.060 χ^2/NDF:1838235.3/17

+ sign 195.993+/-0.034 χ^2/NDF: 9564670.0/34

All: 191.856+/-0.024 χ^2/NDF: 19721569.9/71

- 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: -0.054+/-0.087 χ^2/NDF:29.5/18

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

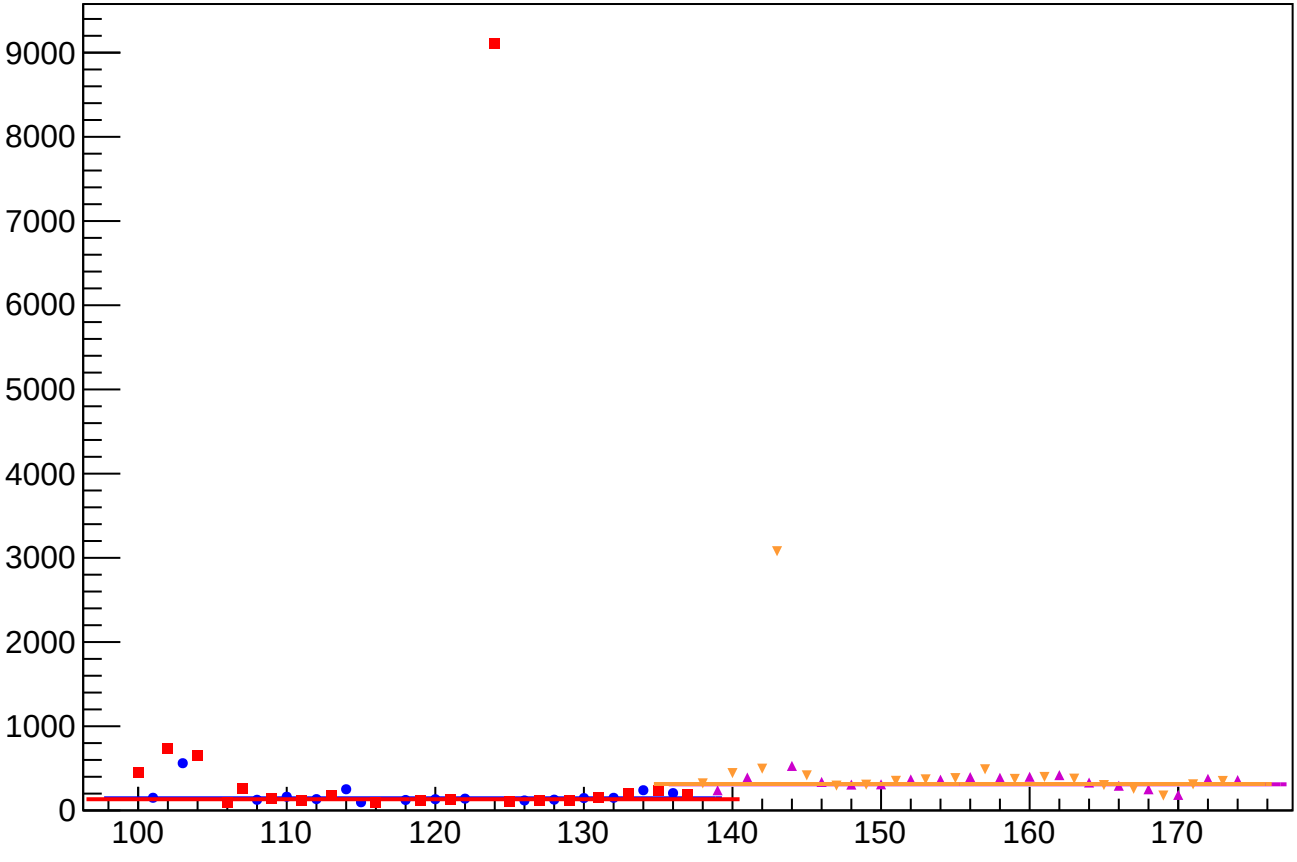
Left In: 0.051+/-0.085 χ^2/NDF:25.7/17

+ sign -0.036+/-0.048 χ^2/NDF: 46.8/34

All: -0.013+/-0.034 χ^2/NDF: 95.2/71

- 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: 314.237+/-0.062 χ^2/NDF:3180724.0/18

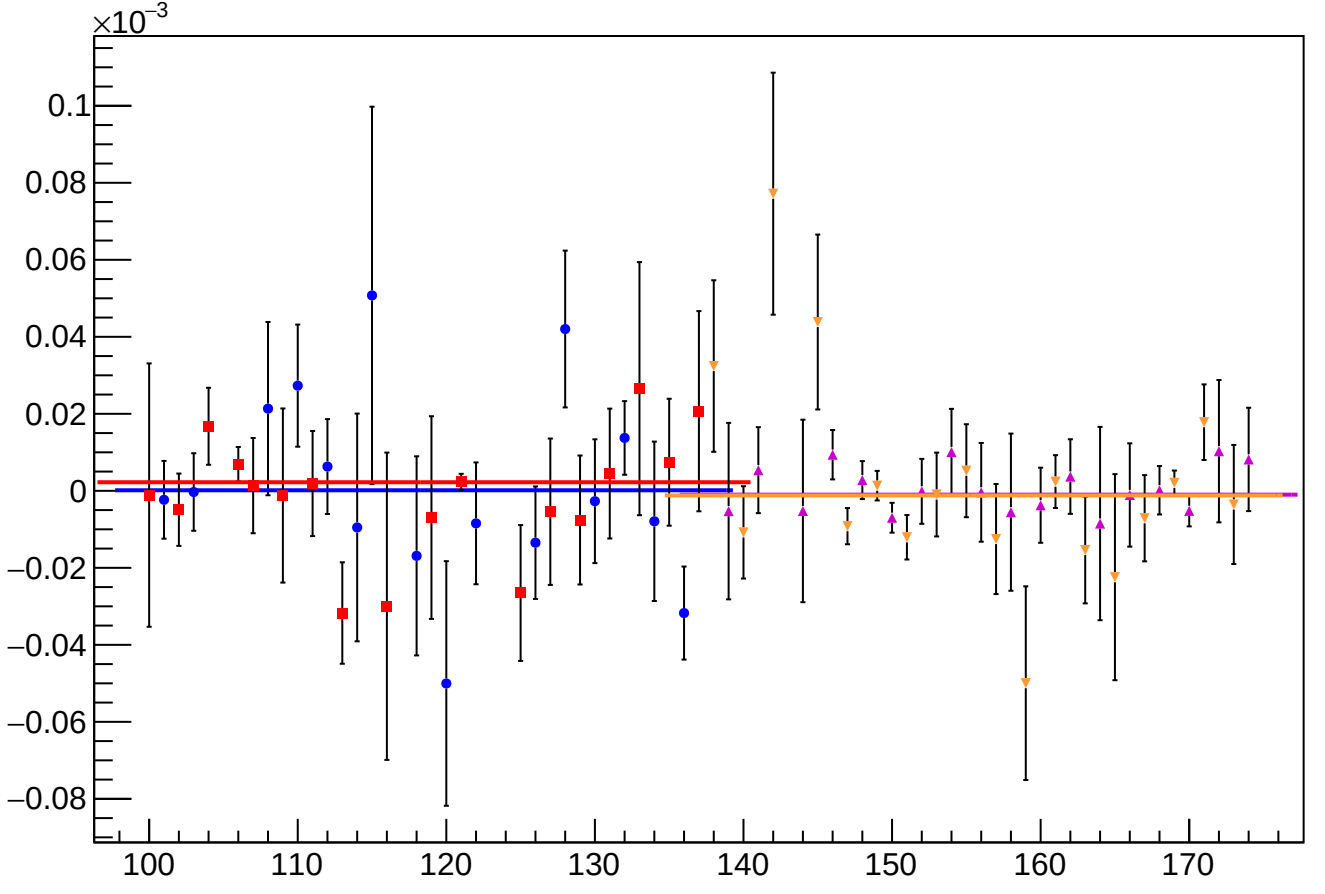
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 310.510+/-0.060 χ^2/NDF:1838235.3/17

+ sign 195.993+/-0.034 χ^2/NDF: 9564670.0/34

All: 191.856+/-0.024 χ^2/NDF: 19721569.9/71

- 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:31.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

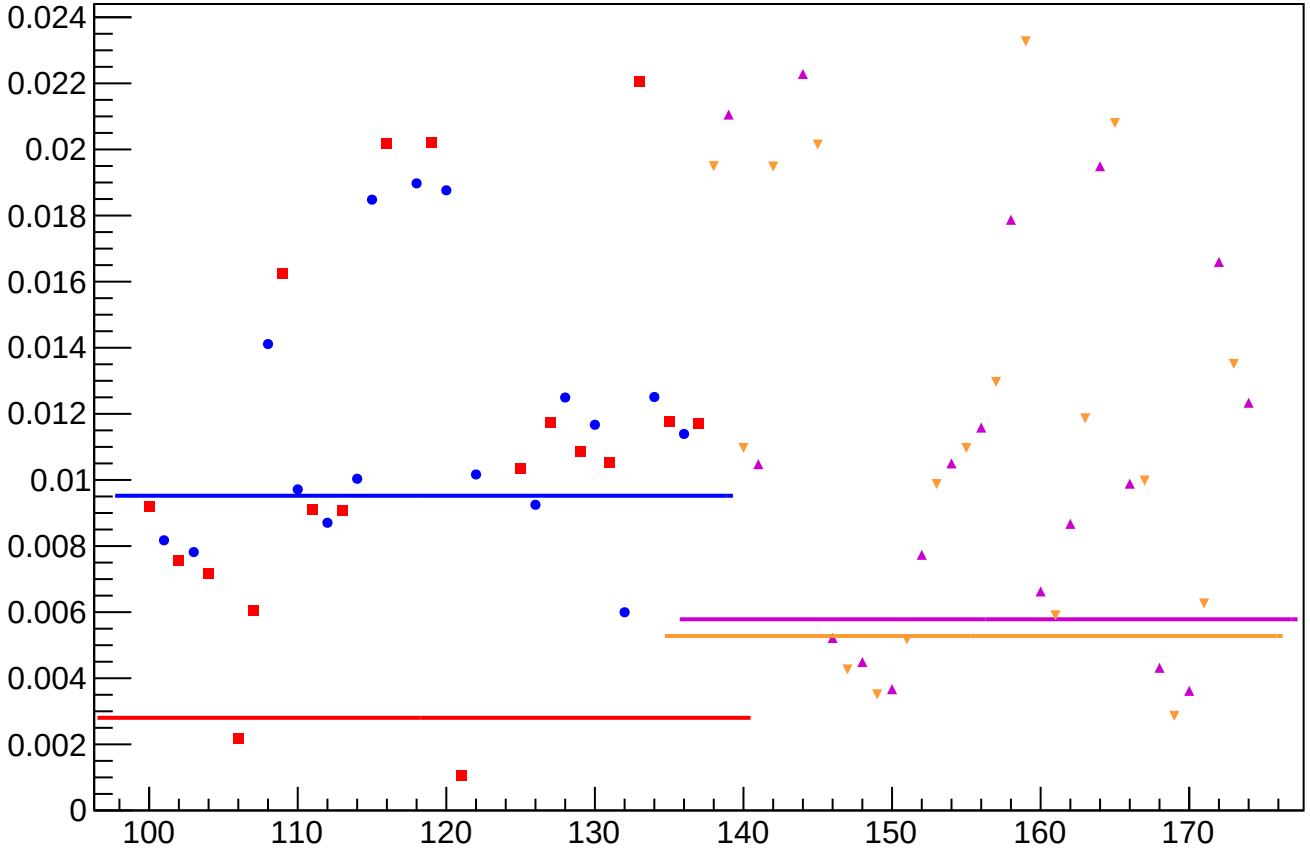
Left In: -0.000+/-0.000 χ^2/NDF:9.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 54.6/33

All: 0.000+/-0.000 χ^2/NDF: 81.9/69

- 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:8680620.7/17

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

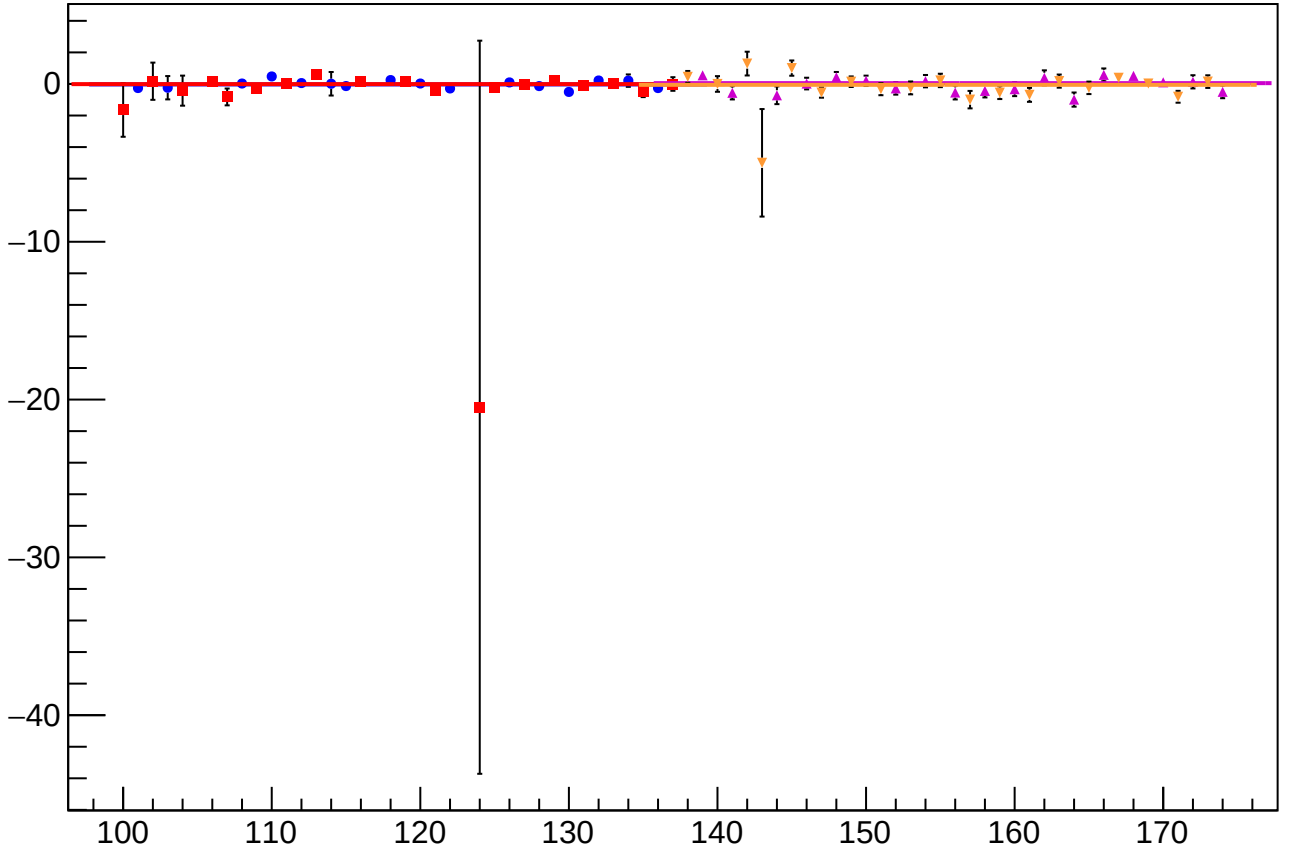
Left In: 0.006+/-0.000 χ^2/NDF:7353706.8/17

+ sign 0.006+/-0.000 χ^2/NDF: 11921825.3/33

All: 0.005+/-0.000 χ^2/NDF: 32314897.2/69

- sign 0.004+/-0.000 χ^2/NDF: 18735867.8/35

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.054+/-0.087 χ^2/NDF:29.5/18

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

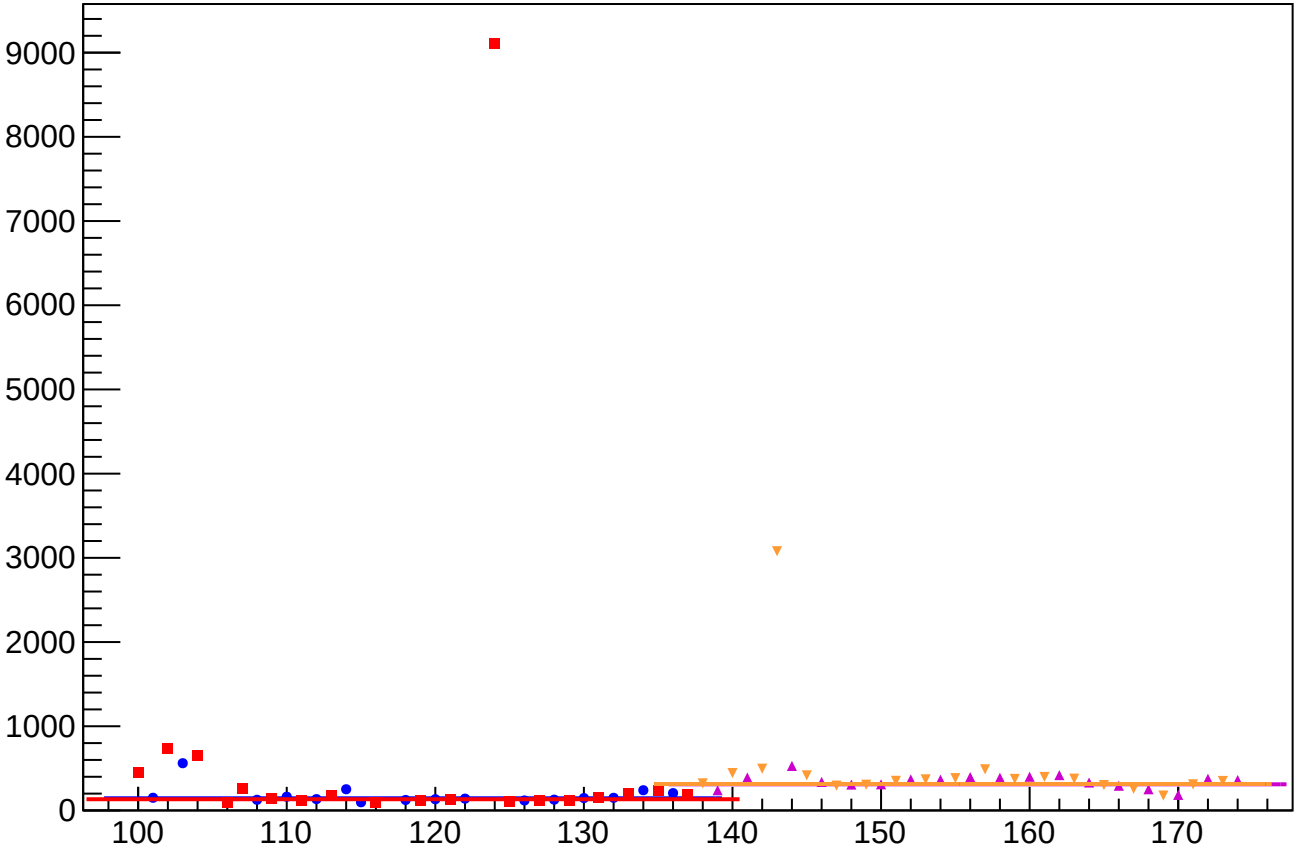
Left In: 0.051+/-0.085 χ^2/NDF:25.7/17

+ sign -0.037+/-0.048 χ^2/NDF: 46.8/34

All: -0.013+/-0.034 χ^2/NDF: 95.2/71

- 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: 314.239+/-0.062 χ^2/NDF:3180790.8/18

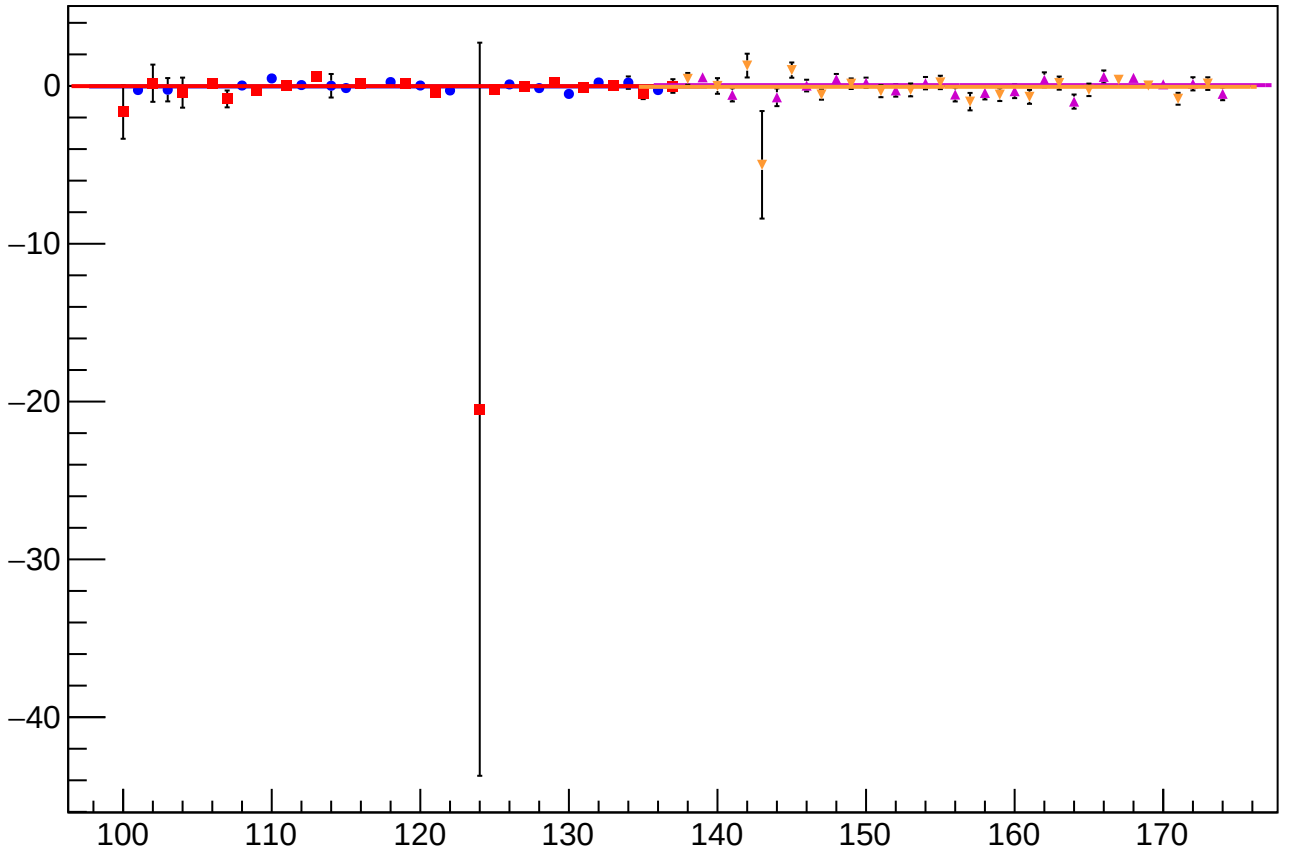
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 310.513+/-0.060 χ^2/NDF:1838229.5/17

+ sign 195.992+/-0.034 χ^2/NDF: 9564958.8/34

All: 191.854+/-0.024 χ^2/NDF: 19721986.5/71

- 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: -0.054+/-0.087 χ^2/NDF:29.5/18

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

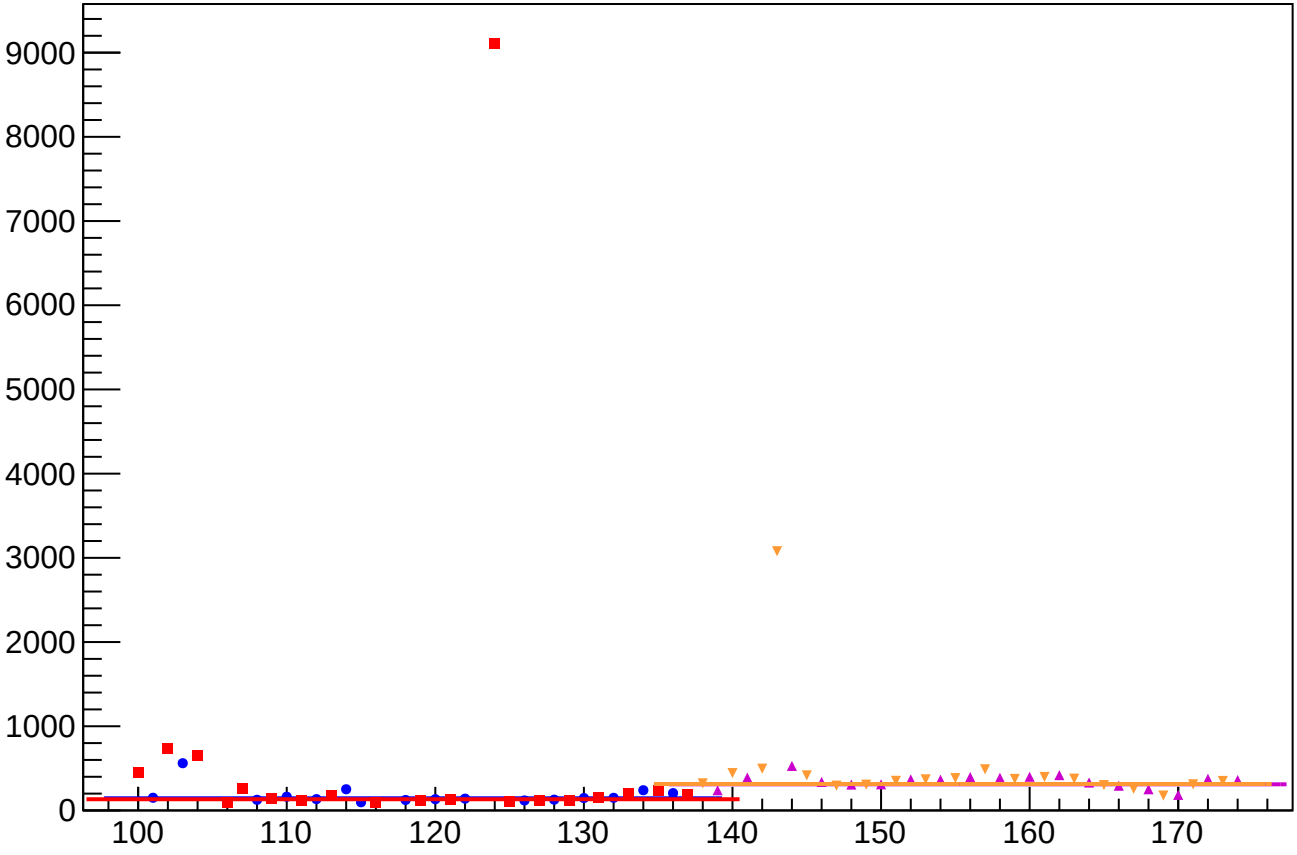
Left In: 0.051+/-0.085 χ^2/NDF:25.7/17

+ sign -0.037+/-0.048 χ^2/NDF: 46.8/34

All: -0.013+/-0.034 χ^2/NDF: 95.2/71

- 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: 314.239+/-0.062 χ^2/NDF:3180790.8/18

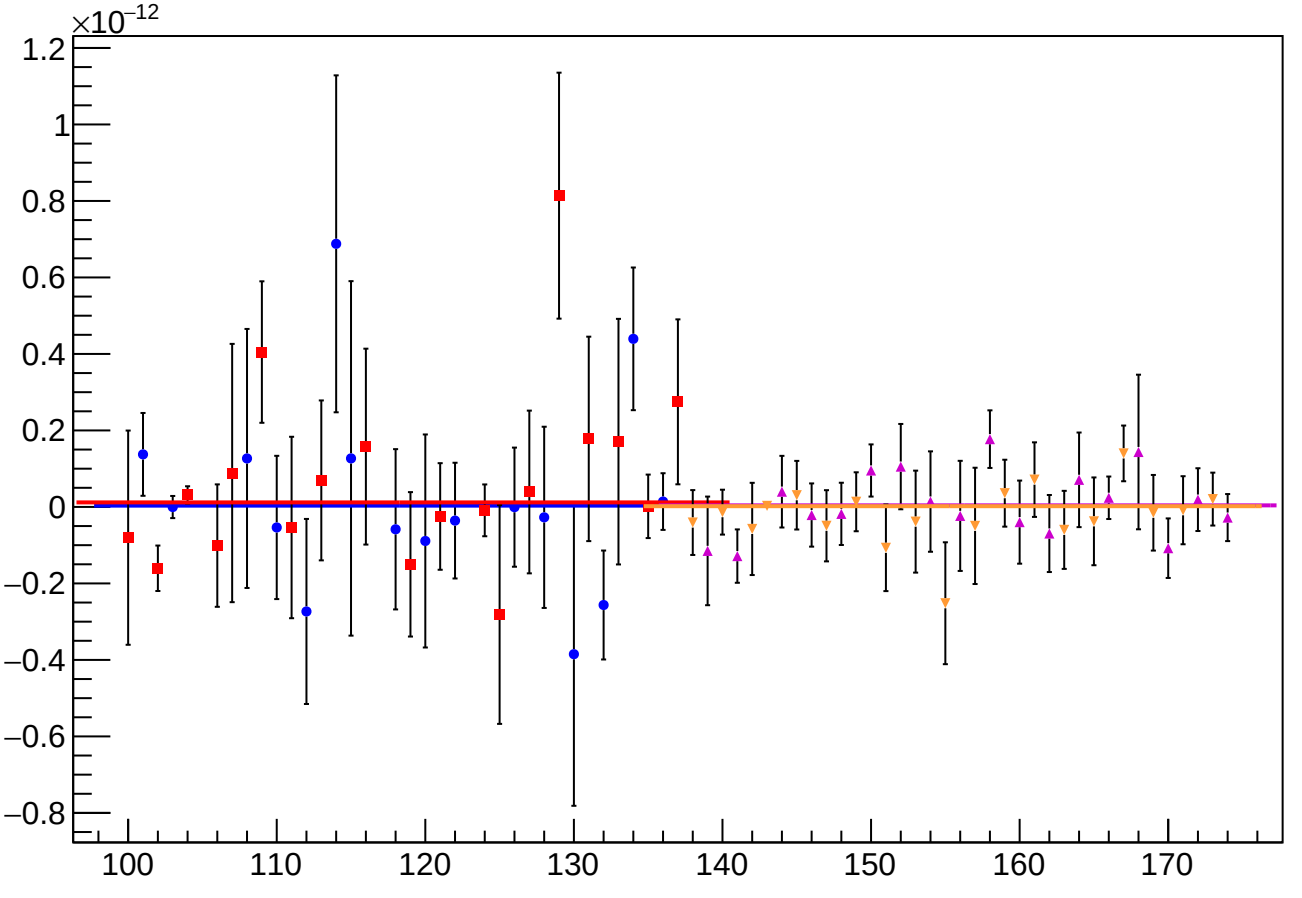
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 310.513+/-0.060 χ^2/NDF:1838229.5/17

+ sign 195.992+/-0.034 χ^2/NDF: 9564958.8/34

All: 191.854+/-0.024 χ^2/NDF: 19721986.5/71

- sign 187.927+/-0.033 χ^2/NDF: 10128348.5/36



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

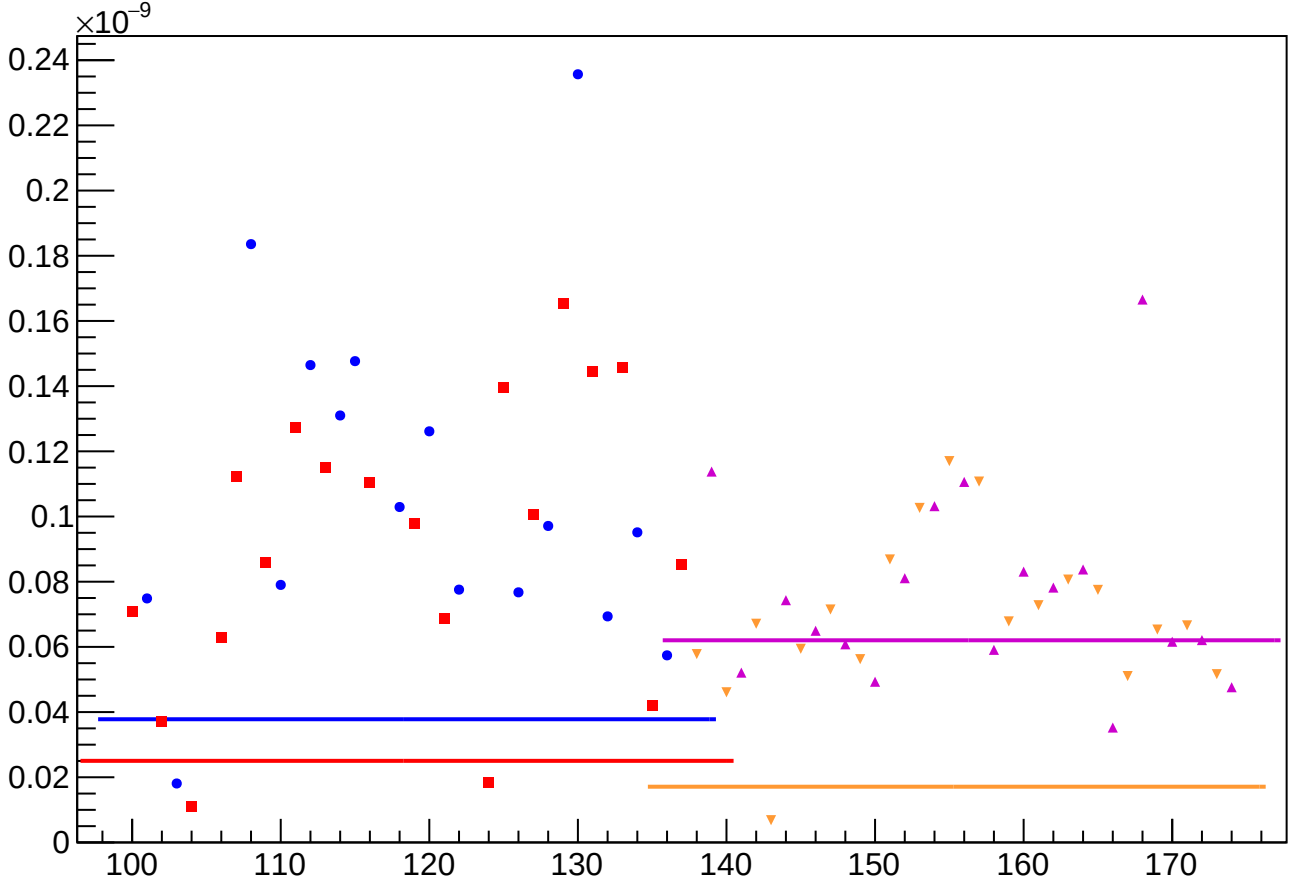
Left In: 0.000+/-0.000 χ^2/NDF:16.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 25.2/34

All: 0.000+/-0.000 χ^2/NDF: 67.0/71

- 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:12835872.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

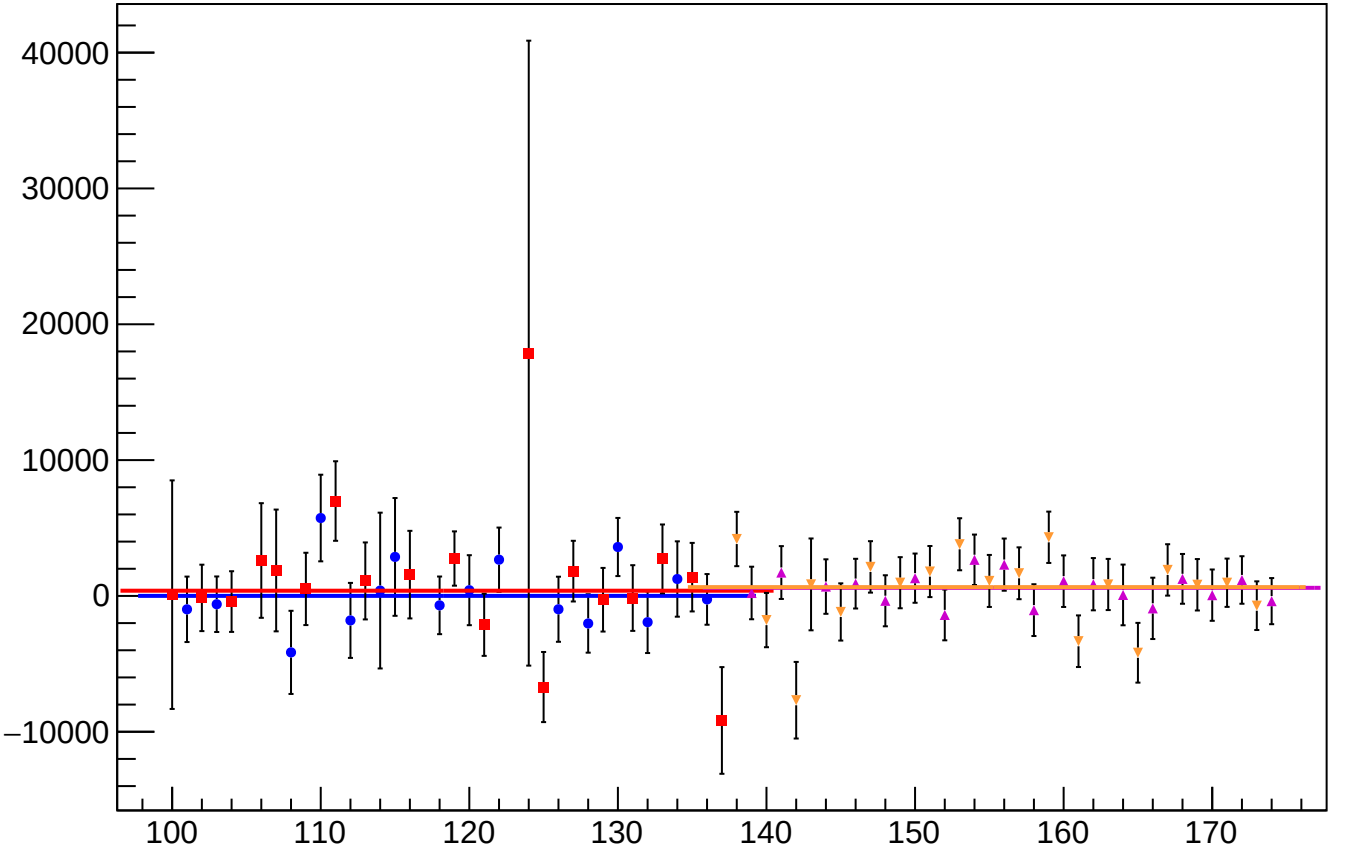
Left In: 0.000+/-0.000 χ^2/NDF:2197109.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 18086397.7/34

All: 0.000+/-0.000 χ^2/NDF: 32360390.1/71

- 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: 646.768+/-454.808 χ^2/NDF:32.2/18

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

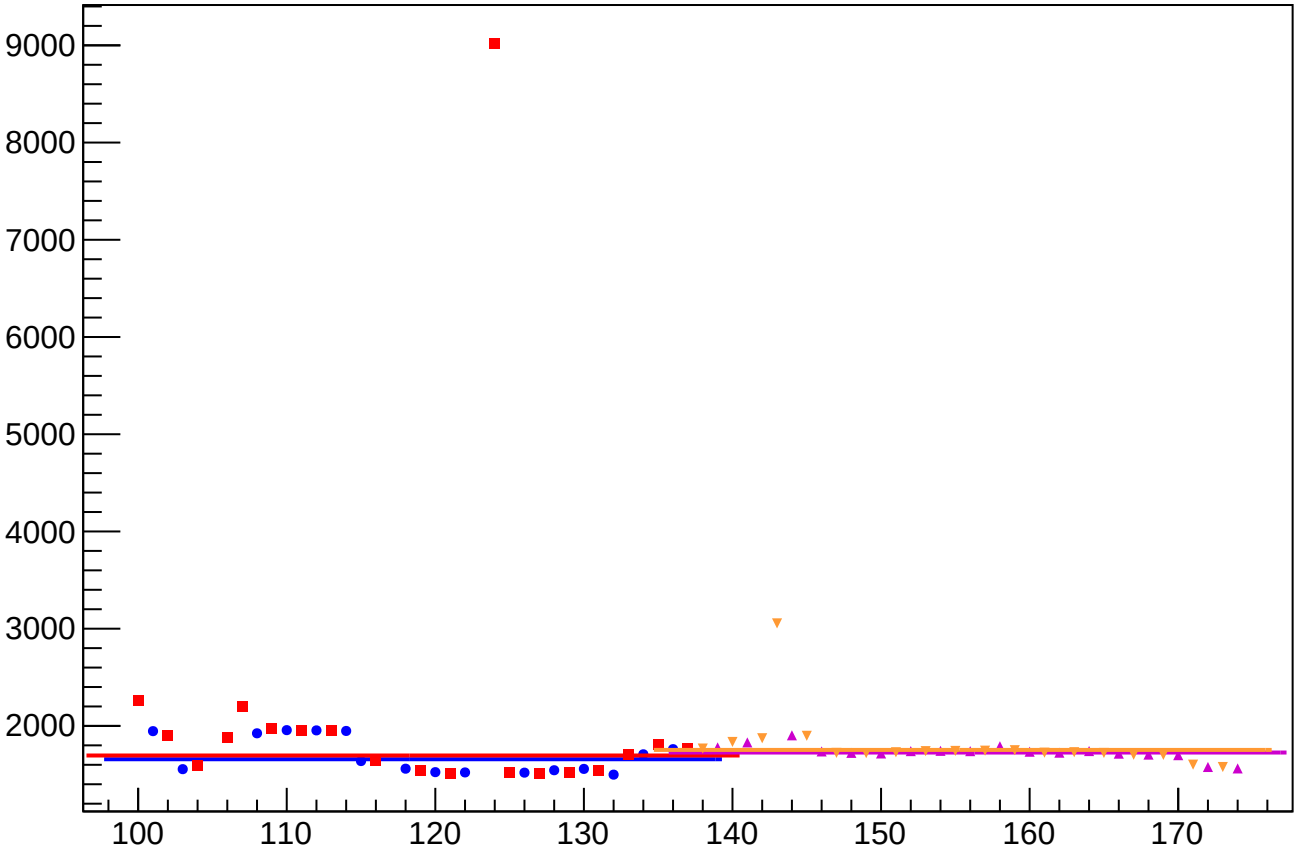
Left In: 596.176+/-447.922 χ^2/NDF:6.0/17

\+ sign 421.979+/-366.700 χ^2/NDF: 45.4/34

All: 473.990+/-258.967 χ^2/NDF: 75.5/71

\- 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: 1753.044+/-0.322 χ^2/NDF:352338.1/18

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

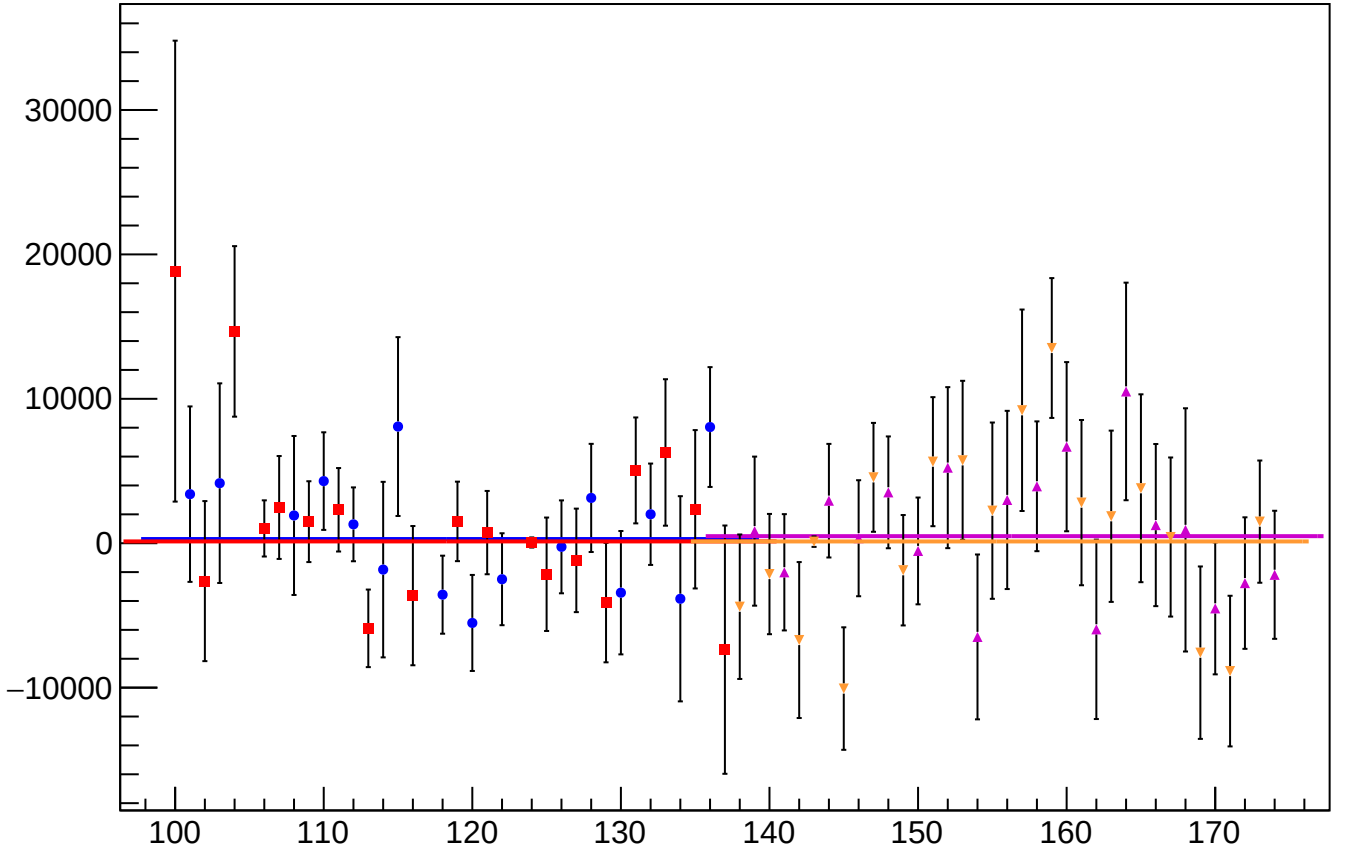
Left In: 1726.214+/-0.317 χ^2/NDF:59430.0/17

+ sign 1719.478+/-0.259 χ^2/NDF: 527452.8/34

All: 1717.716+/-0.183 χ^2/NDF: 976312.9/71

- 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: 124.032+/-347.569 χ^2/NDF:27.5/18

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

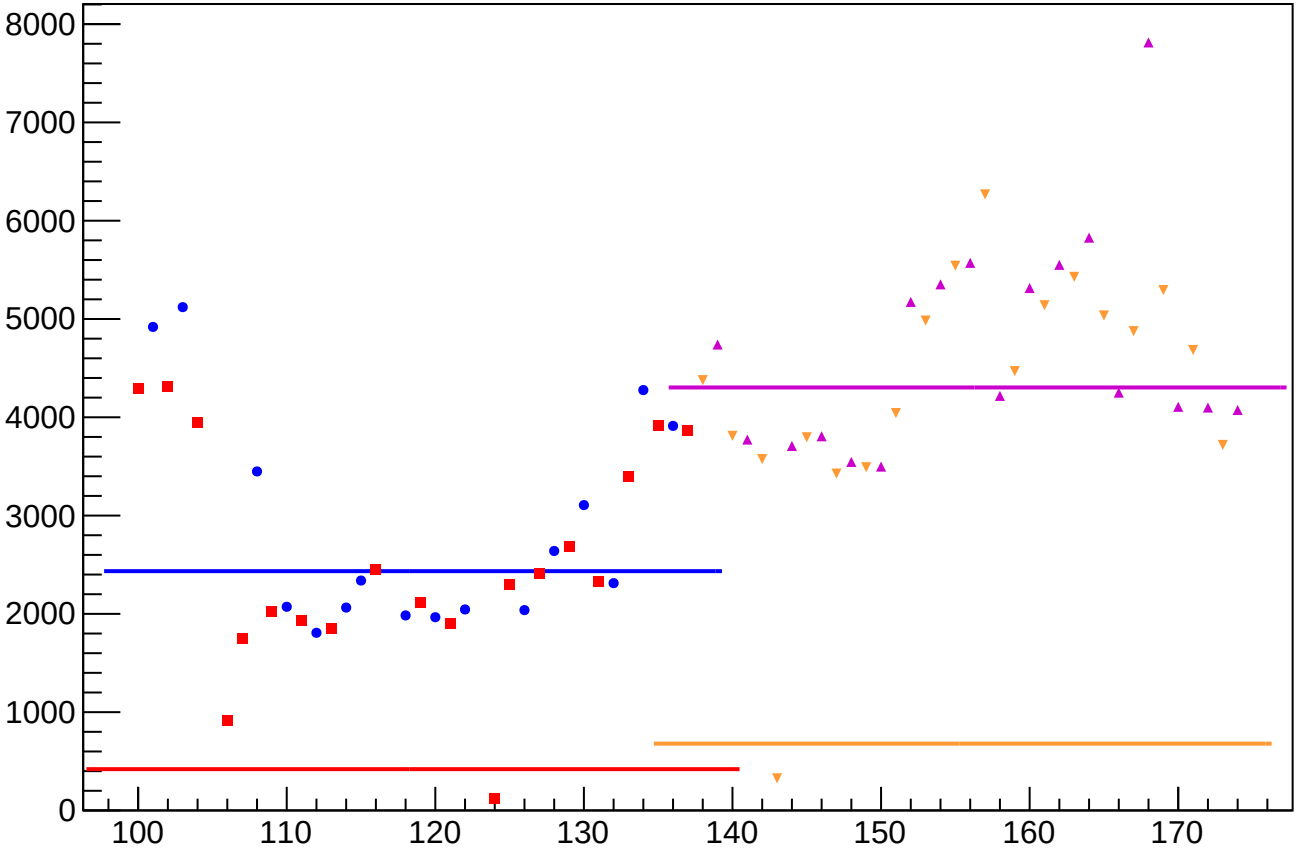
Left In: 489.370+/-1139.714 χ^2/NDF:10.5/17

\+ sign 143.143+/-326.851 χ^2/NDF: 42.8/34

All: 148.175+/-225.457 χ^2/NDF: 74.2/71

\- 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: 679.681+/-0.246 χ^2/NDF:21998090.1/18

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

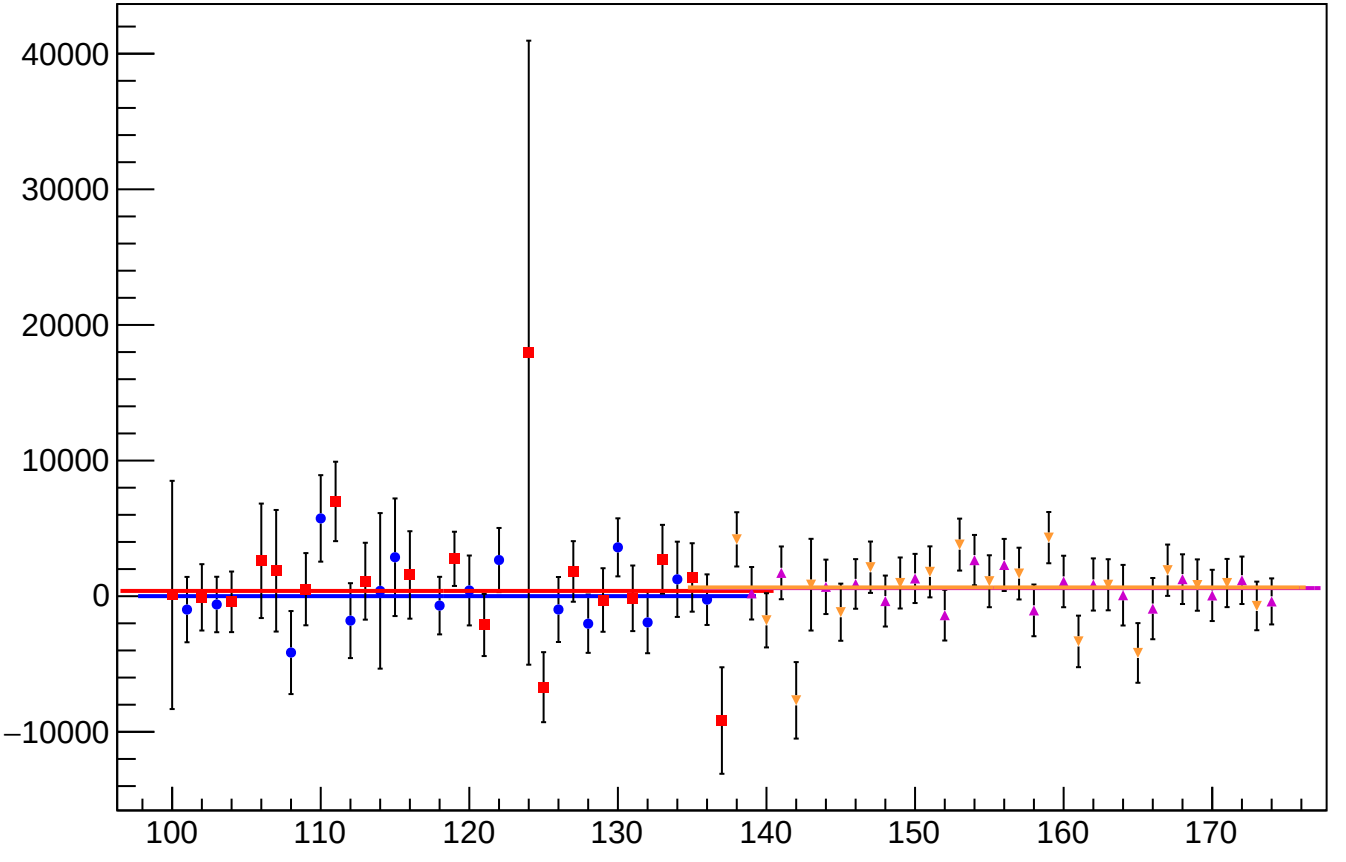
Left In: 4303.408+/-0.806 χ^2/NDF:1080996.9/17

+ sign 882.657+/-0.231 χ^2/NDF: 29353047.5/34

All: 792.241+/-0.159 χ^2/NDF: 63273453.2/71

- sign 710.173+/-0.220 χ^2/NDF: 33628443.9/36

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 646.735+/-454.808 χ^2/NDF:32.2/18

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

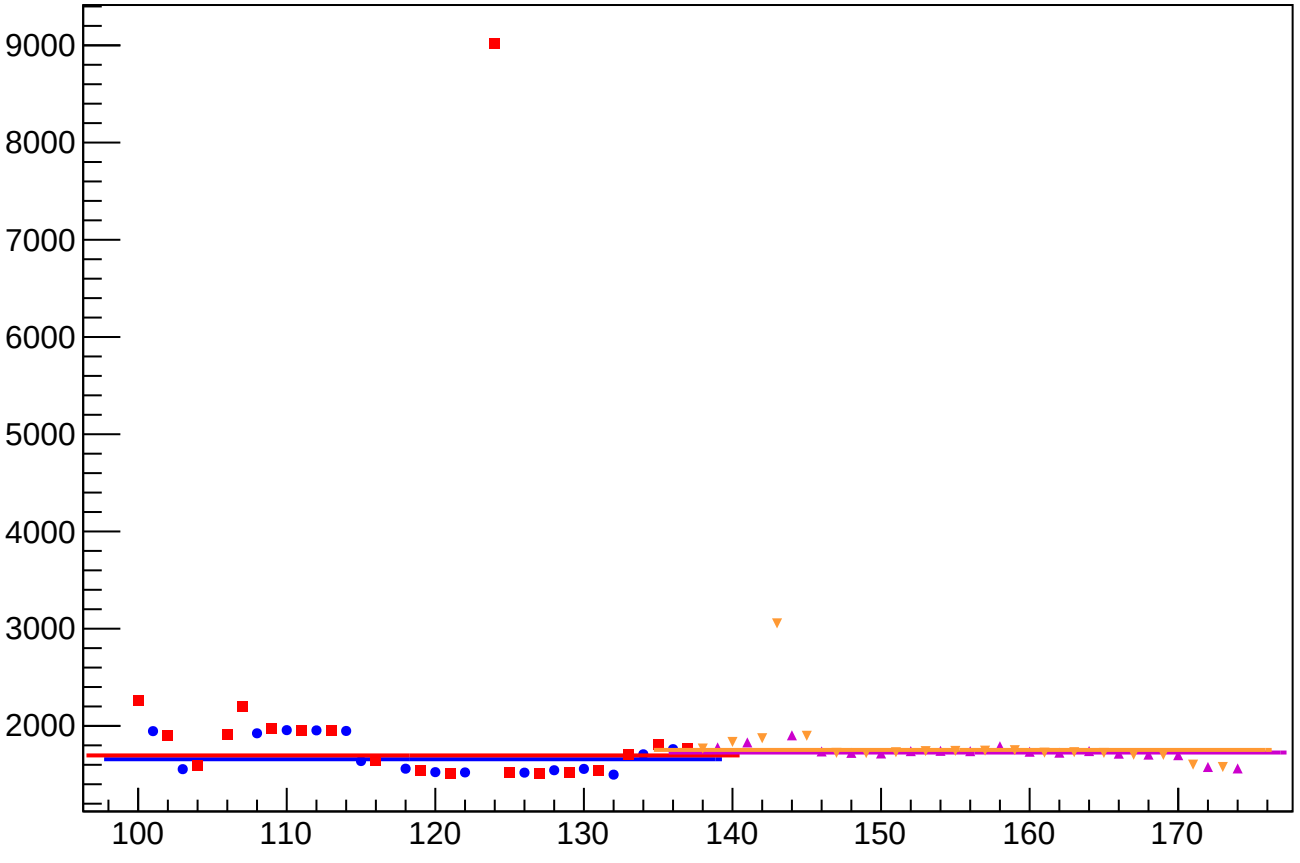
Left In: 596.158+/-447.922 χ^2/NDF:6.0/17

+ sign 421.931+/-366.700 χ^2/NDF: 45.4/34

All: 474.678+/-258.967 χ^2/NDF: 75.5/71

- 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: 1753.044+/-0.322 χ^2/NDF:352338.1/18

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

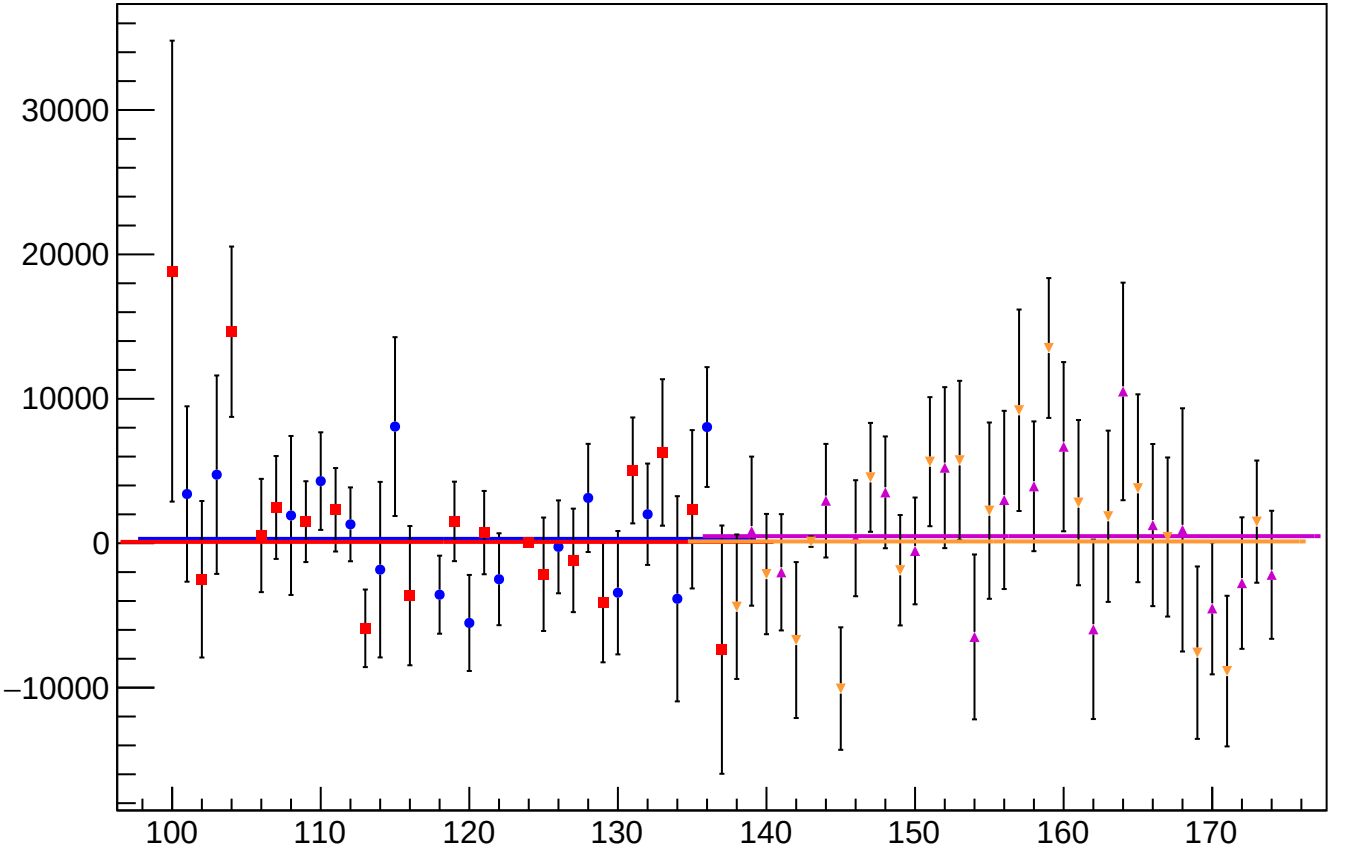
Left In: 1726.214+/-0.317 χ^2/NDF:59430.0/17

+ sign 1719.478+/-0.259 χ^2/NDF: 527452.9/34

All: 1717.853+/-0.183 χ^2/NDF: 977895.6/71

- sign 1716.240+/-0.258 χ^2/NDF: 450364.4/36

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 124.462+/-347.544 χ^2/NDF:27.5/18

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

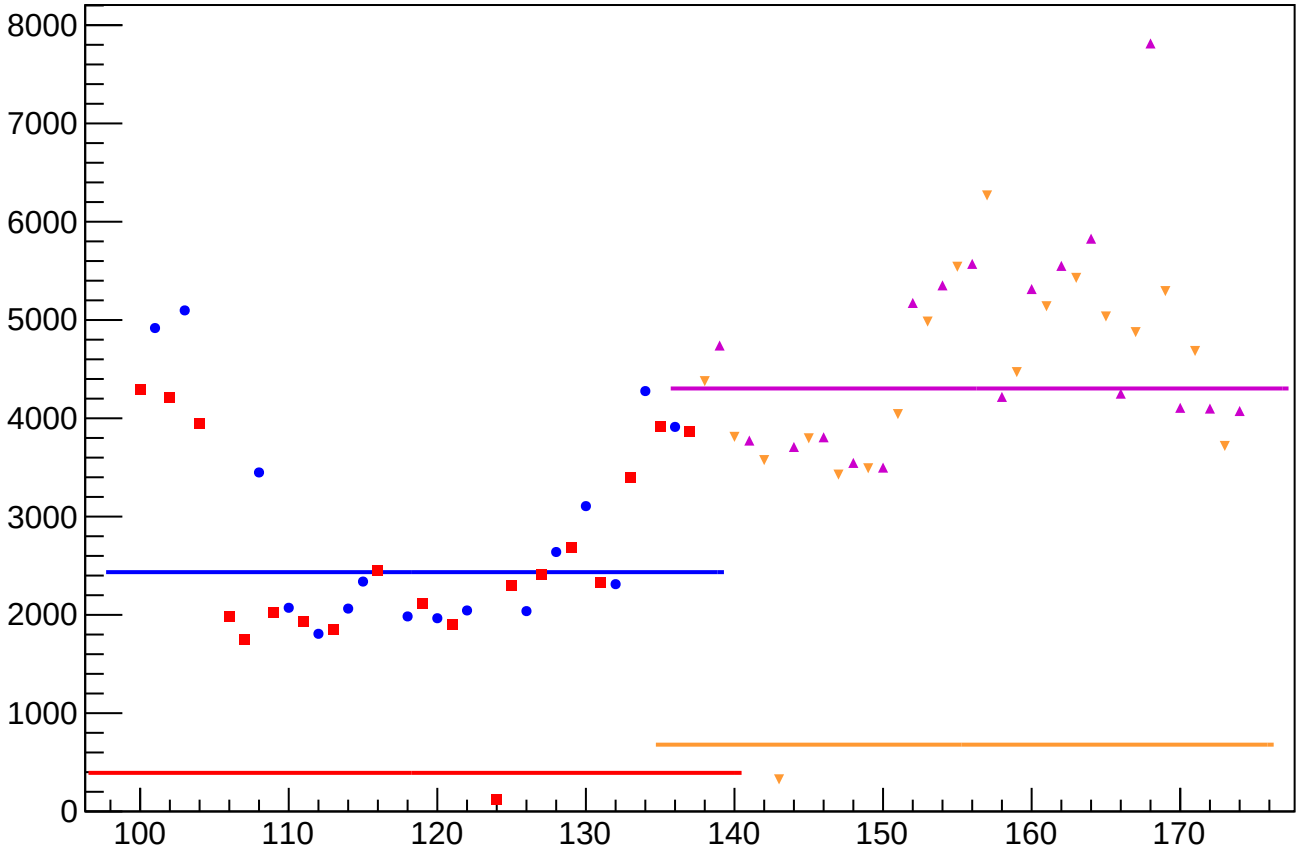
Left In: 489.375+/-1139.713 χ^2/NDF:10.5/17

+ sign 144.979+/-326.826 χ^2/NDF: 42.9/34

All: 131.895+/-222.709 χ^2/NDF: 74.1/71

- 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: 679.603+/-0.246 χ^2/NDF:21998688.8/18

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

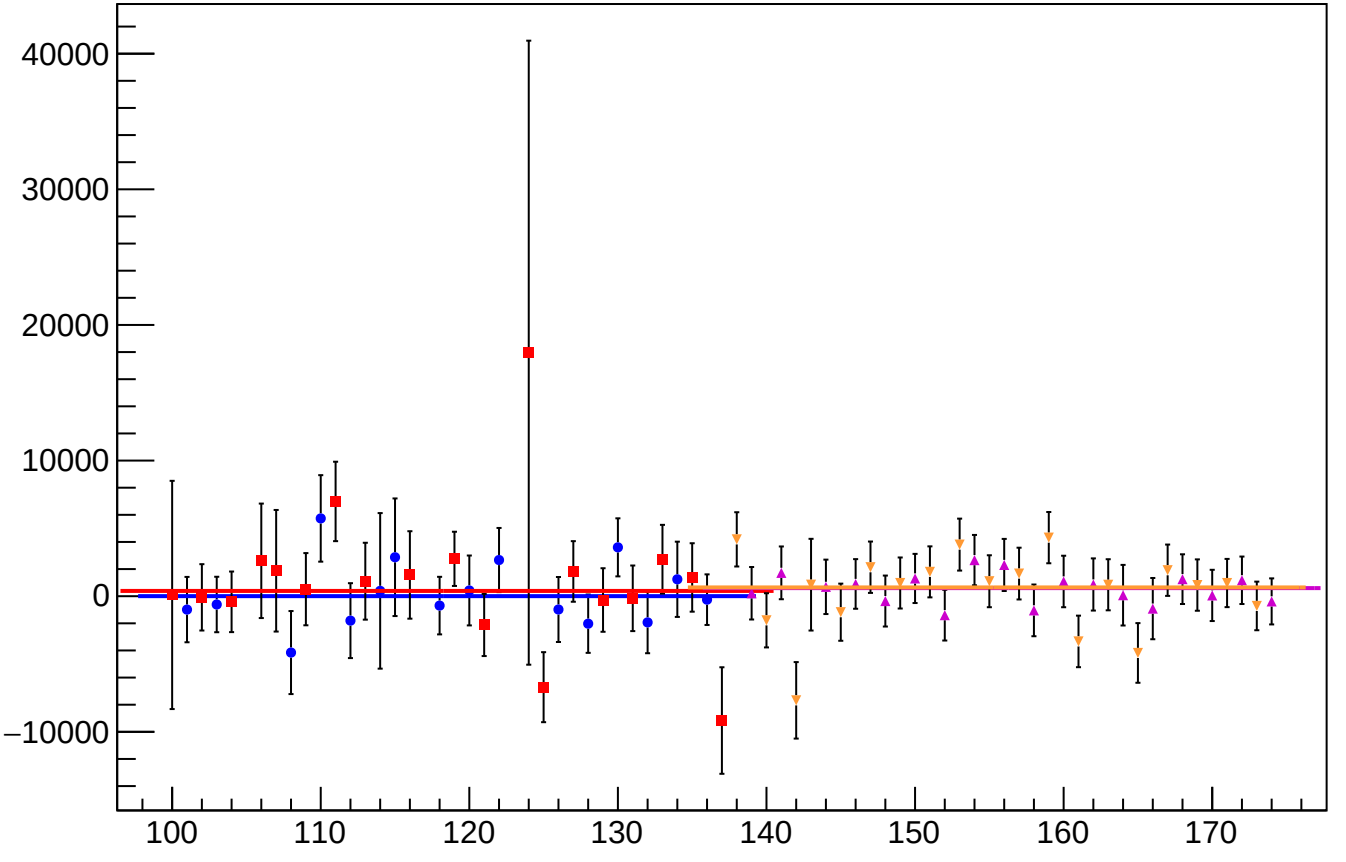
Left In: 4303.404+/-0.806 χ^2/NDF:1080988.6/17

+ sign 882.626+/-0.231 χ^2/NDF: 29354967.2/34

All: 769.505+/-0.157 χ^2/NDF: 64160791.6/71

- 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: 646.735+/-454.808 χ^2/NDF:32.2/18

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

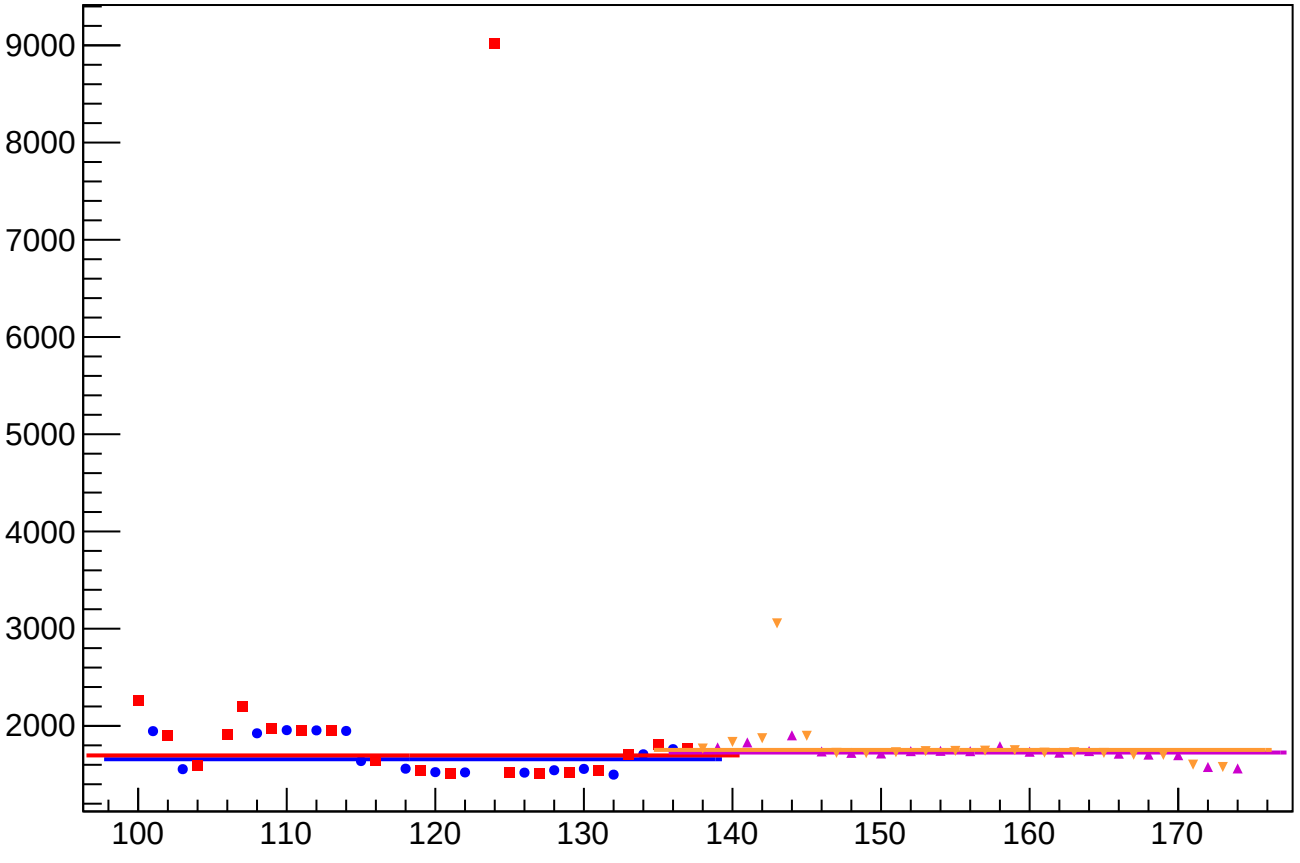
Left In: 596.158+/-447.922 χ^2/NDF:6.0/17

+ sign 421.931+/-366.700 χ^2/NDF: 45.4/34

All: 474.678+/-258.967 χ^2/NDF: 75.5/71

- 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: 1753.044+/-0.322 χ^2/NDF:352338.1/18

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

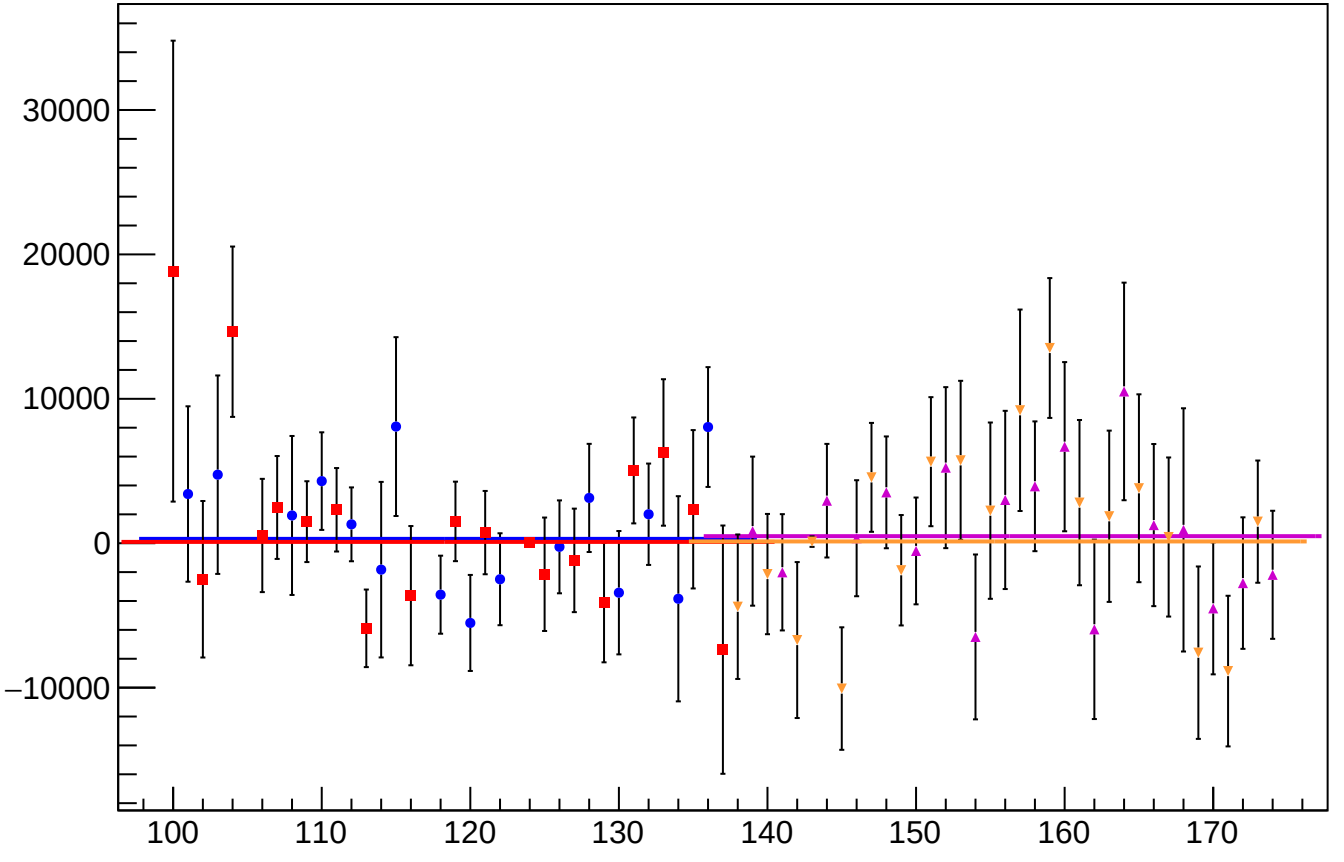
Left In: 1726.214+/-0.317 χ^2/NDF:59430.0/17

+ sign 1719.478+/-0.259 χ^2/NDF: 527452.9/34

All: 1717.853+/-0.183 χ^2/NDF: 977895.6/71

- sign 1716.240+/-0.258 χ^2/NDF: 450364.4/36

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 124.462+/-347.544 χ^2/NDF:27.5/18

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

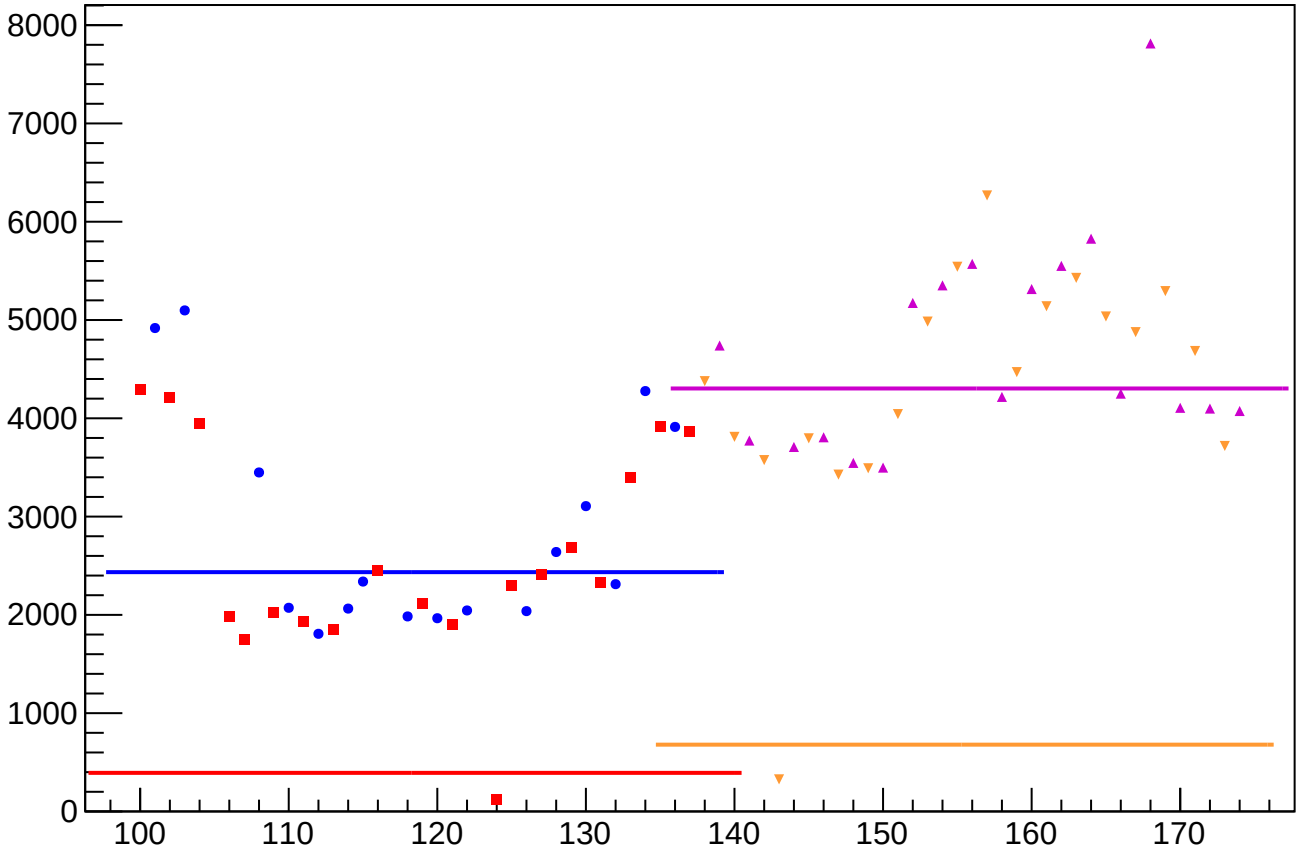
Left In: 489.375+/-1139.713 χ^2/NDF:10.5/17

\+ sign 144.979+/-326.826 χ^2/NDF: 42.9/34

All: 131.895+/-222.709 χ^2/NDF: 74.1/71

\- 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: 679.603+/-0.246 χ^2/NDF:21998688.8/18

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

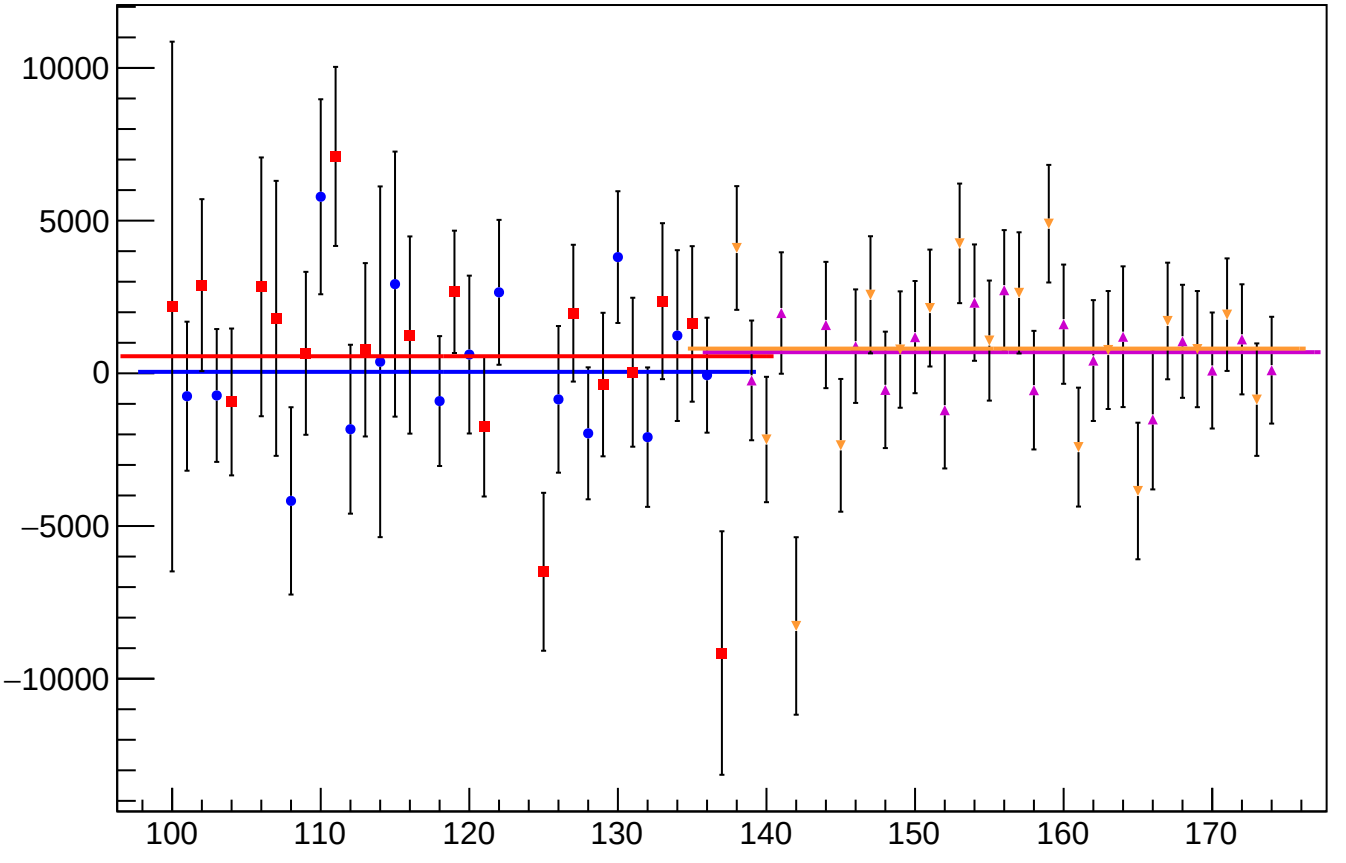
Left In: 4303.404+/-0.806 χ^2/NDF:1080988.6/17

+ sign 882.626+/-0.231 χ^2/NDF: 29354967.2/34

All: 769.505+/-0.157 χ^2/NDF: 64160791.6/71

- 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: 809.982+/-468.985 χ^2/NDF:34.9/17

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

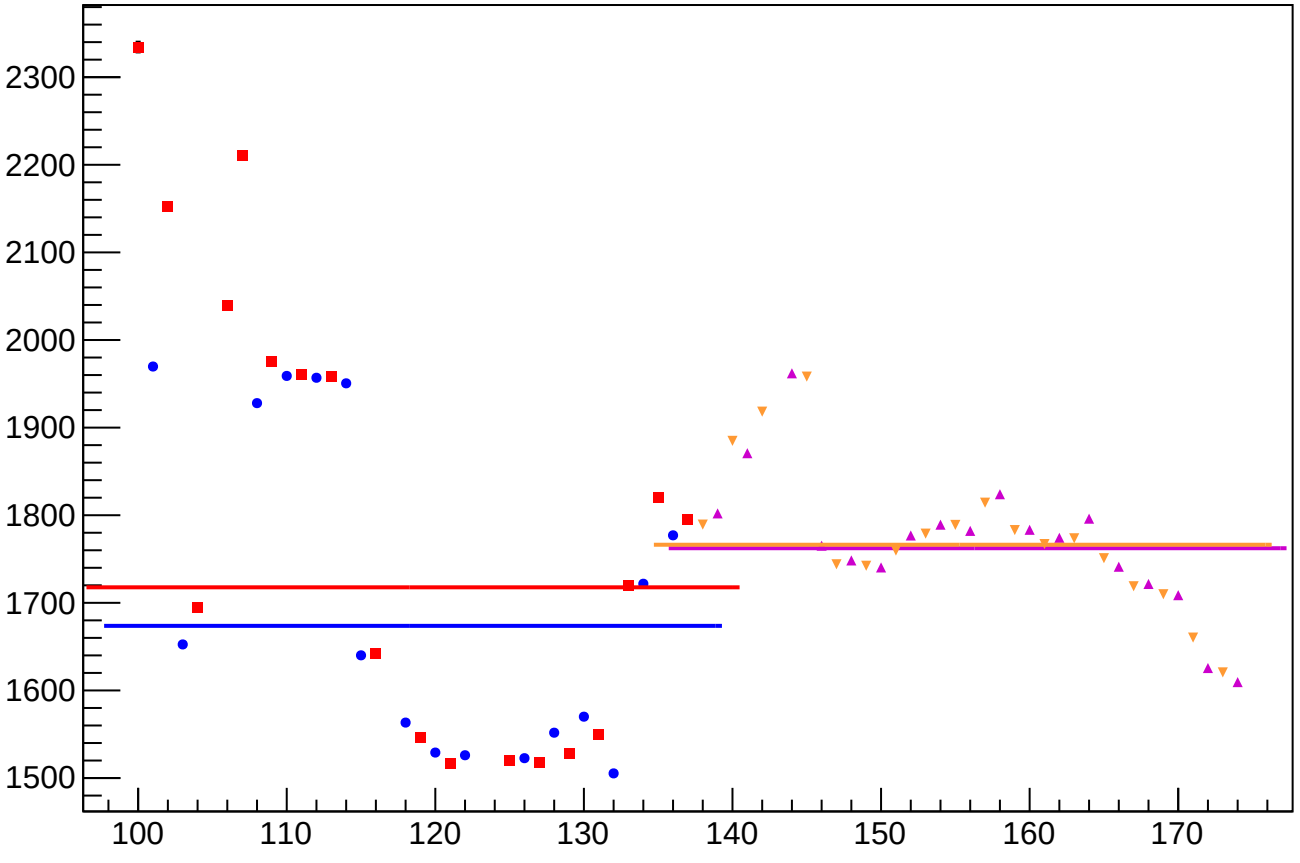
Left In: 692.168+/-457.311 χ^2/NDF:6.0/17

+ sign 536.258+/-375.369 χ^2/NDF: 48.7/33

All: 592.388+/-264.625 χ^2/NDF: 78.1/69

- 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: 1766.317+/-0.332 χ^2/NDF:52522.9/17

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

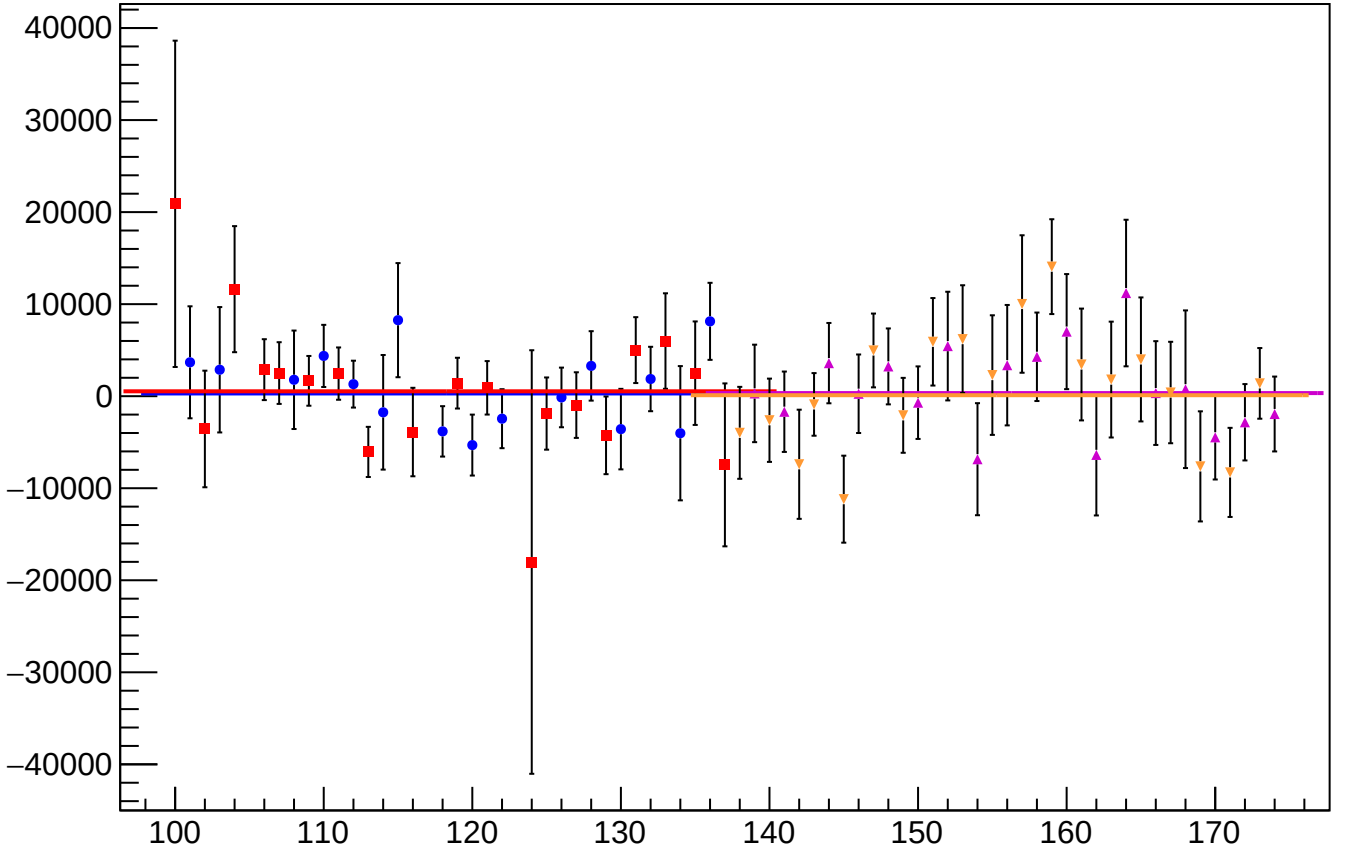
Left In: 1762.336+/-0.323 χ^2/NDF:58793.6/17

+ sign 1733.042+/-0.265 χ^2/NDF: 221410.8/33

All: 1740.256+/-0.187 χ^2/NDF: 515699.4/69

- 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: 106.637+/-1139.884 χ^2/NDF:27.5/18

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

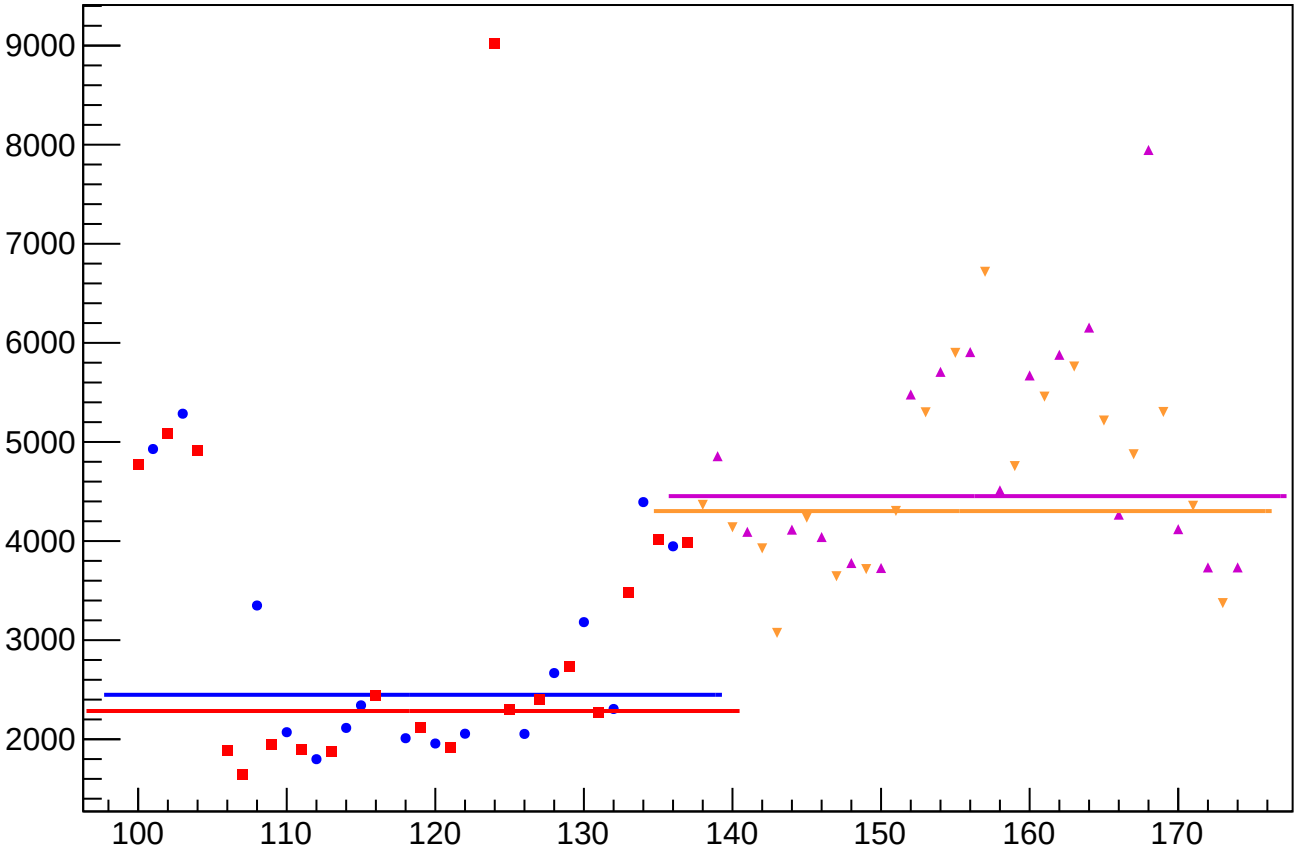
Left In: 336.588+/-1181.199 χ^2/NDF:10.4/17

+ sign 217.276+/-736.370 χ^2/NDF: 42.8/34

All: 344.080+/-510.265 χ^2/NDF: 72.0/71

- 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: 4302.598+/-0.806 χ^2/NDF:1182444.8/18

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

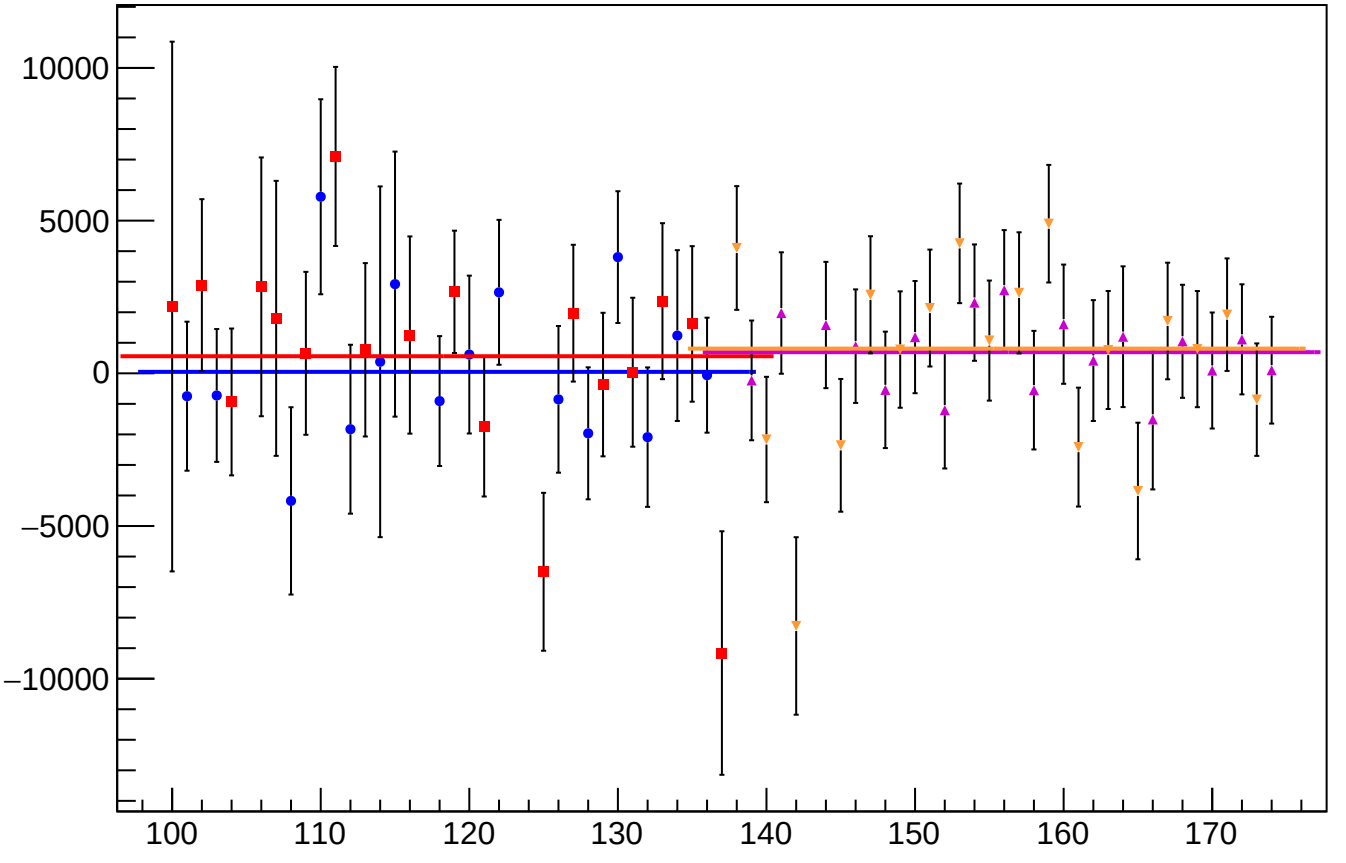
Left In: 4453.530+/-0.835 χ^2/NDF:1150734.4/17

+ sign 3222.313+/-0.521 χ^2/NDF: 5782910.9/34

All: 3139.779+/-0.361 χ^2/NDF: 12851417.9/7

- 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: 809.983+/-468.985 χ^2/NDF:34.9/17

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

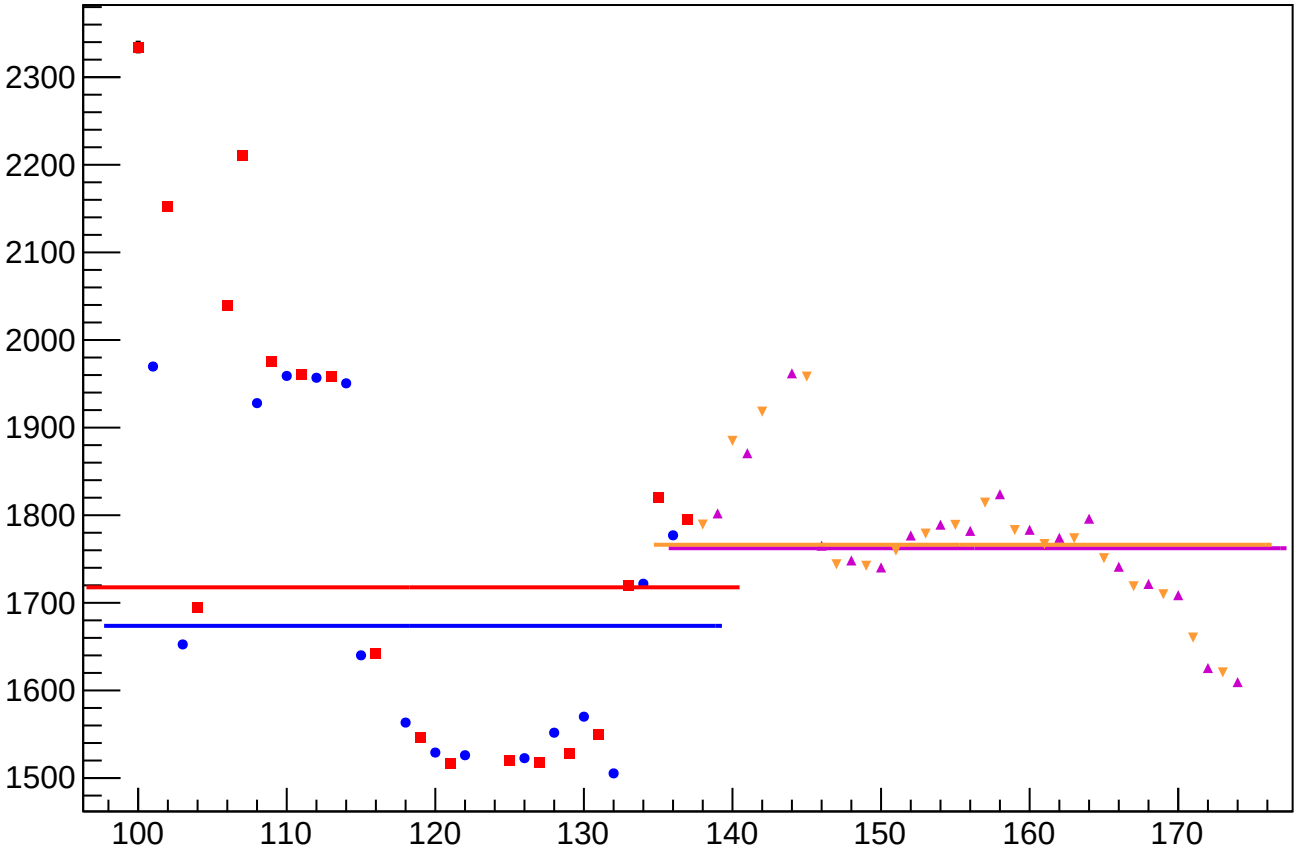
Left In: 692.168+/-457.311 χ^2/NDF:6.0/17

+ sign 536.257+/-375.369 χ^2/NDF: 48.7/33

All: 592.388+/-264.625 χ^2/NDF: 78.1/69

- 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: 1766.318+/-0.332 χ^2/NDF:52524.9/17

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

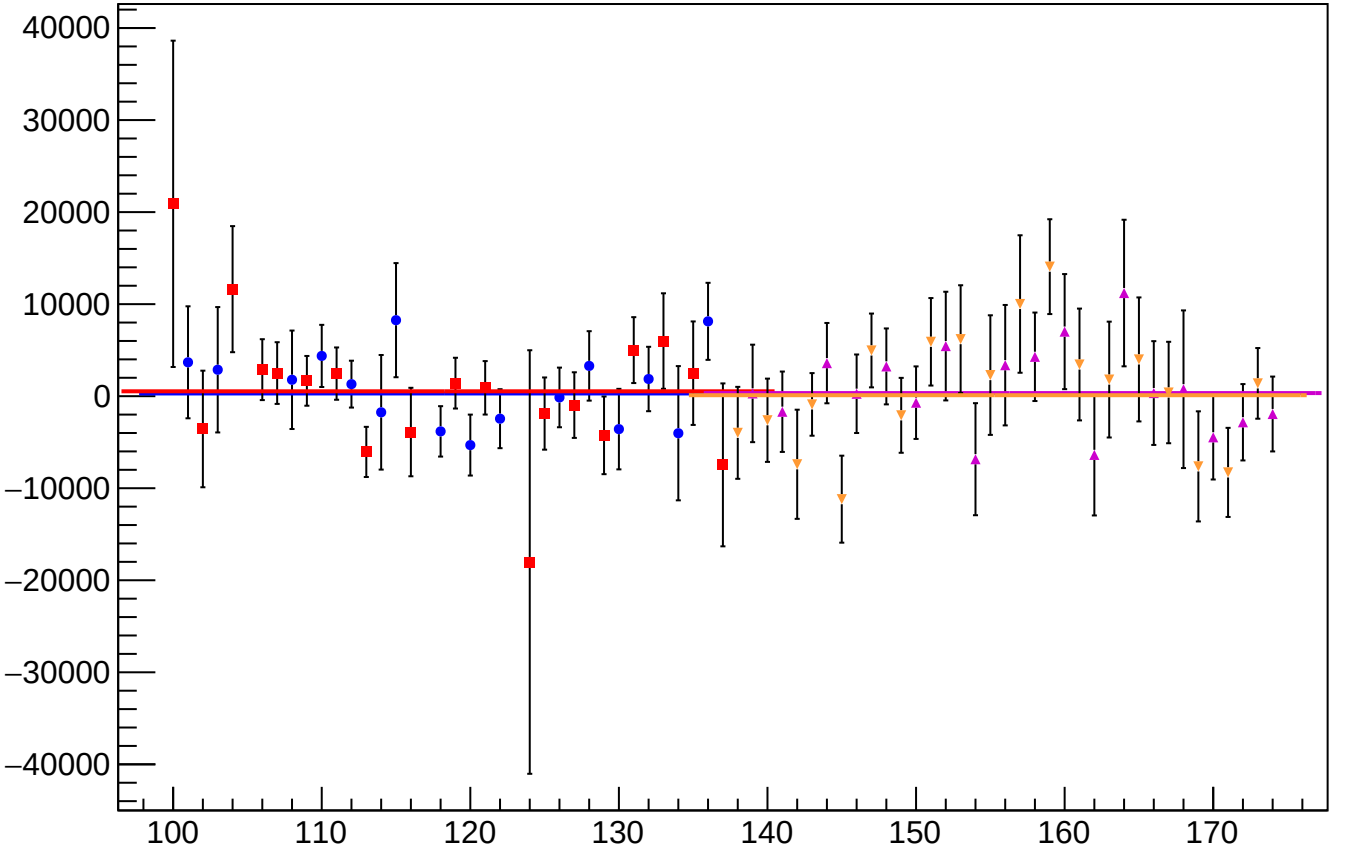
Left In: 1762.336+/-0.323 χ^2/NDF:58795.4/17

+ sign 1733.043+/-0.265 χ^2/NDF: 221413.1/33

All: 1740.256+/-0.187 χ^2/NDF: 515702.9/69

- 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: 106.641+/-1139.886 χ^2/NDF:27.5/18

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

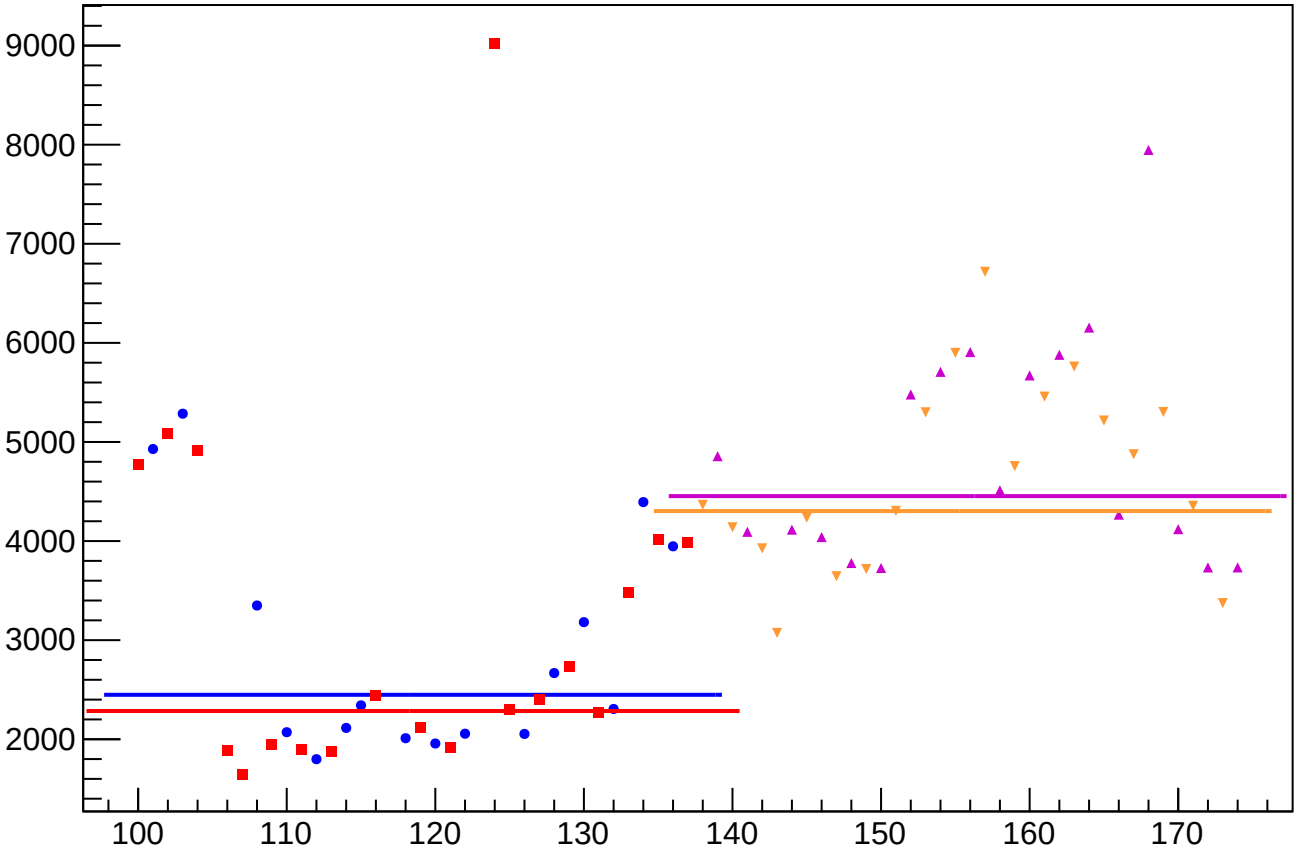
Left In: 336.589+/-1181.201 χ^2/NDF:10.4/17

\+ sign 217.275+/-736.369 χ^2/NDF: 42.8/34

All: 344.080+/-510.265 χ^2/NDF: 72.0/71

\- 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: 4302.604+/-0.806 χ^2/NDF:1182446.2/18

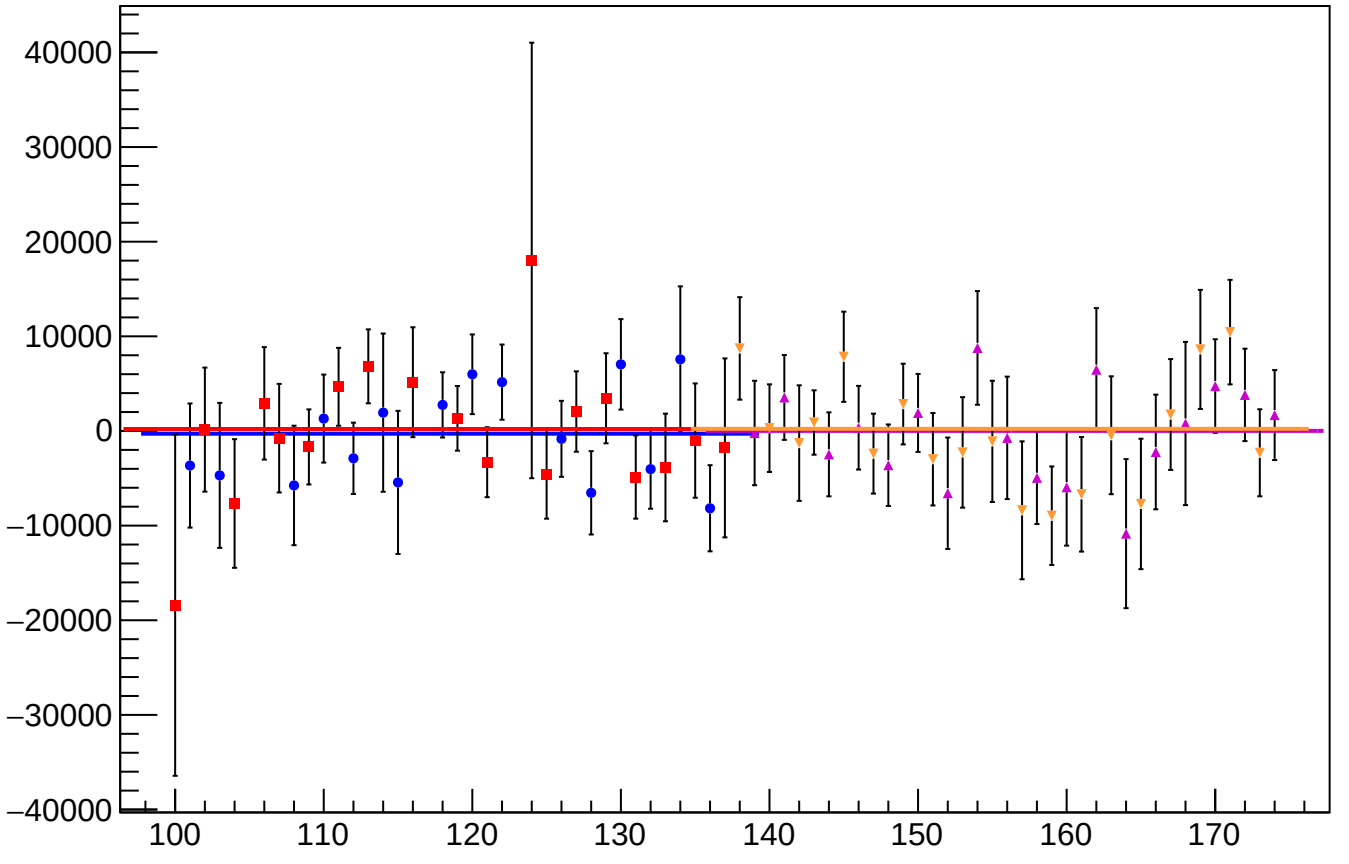
Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4453.537+/-0.835 χ^2/NDF:1150734.4/17

+ sign 3222.305+/-0.521 χ^2/NDF: 5782987.1/34

All: 3139.771+/-0.361 χ^2/NDF: 12851566.2/7

- 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: 225.392+/-1187.446 χ^2/NDF:19.3/18

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

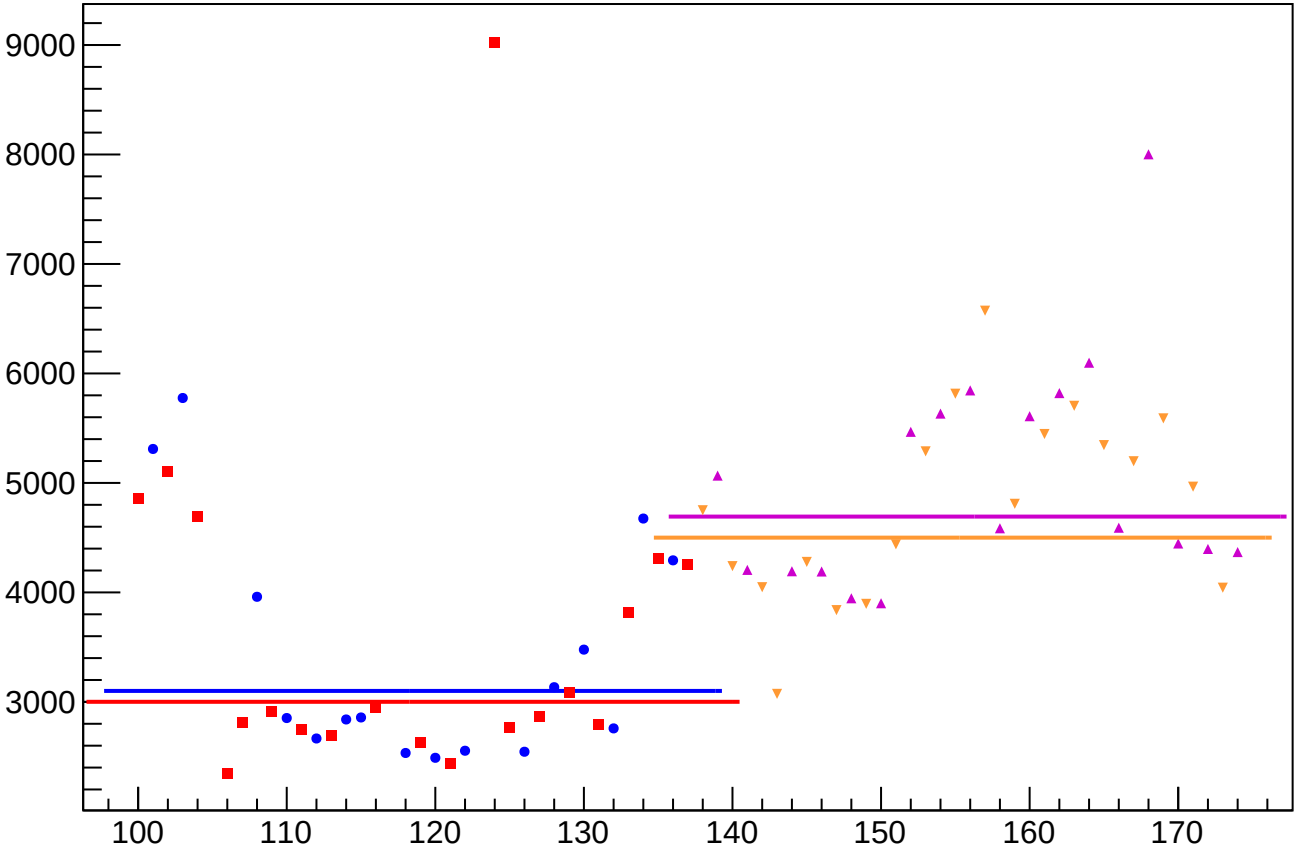
Left In: 11.208+/-1236.897 χ^2/NDF:11.9/17

+ sign -28.815+/-843.127 χ^2/NDF: 35.9/34

All: 44.158+/-596.378 χ^2/NDF: 60.7/71

- 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: 4500.285+/-0.840 χ^2/NDF:1033641.8/18

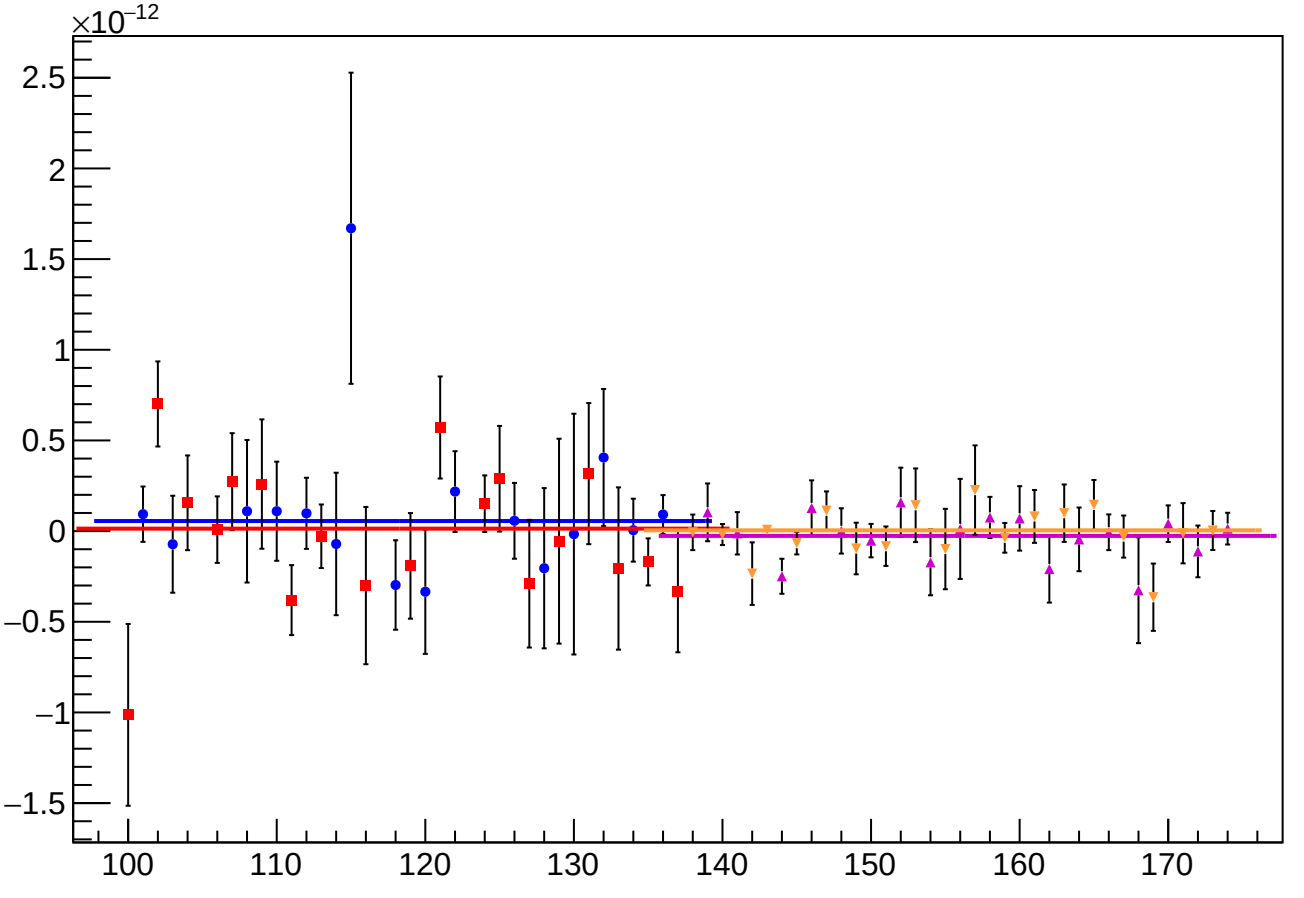
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4692.536+/-0.875 χ^2/NDF:850406.8/17

+ sign 3806.017+/-0.596 χ^2/NDF: 3376120.3/34

All: 3791.129+/-0.420 χ^2/NDF: 7060417.1/71

- 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:13.2/18

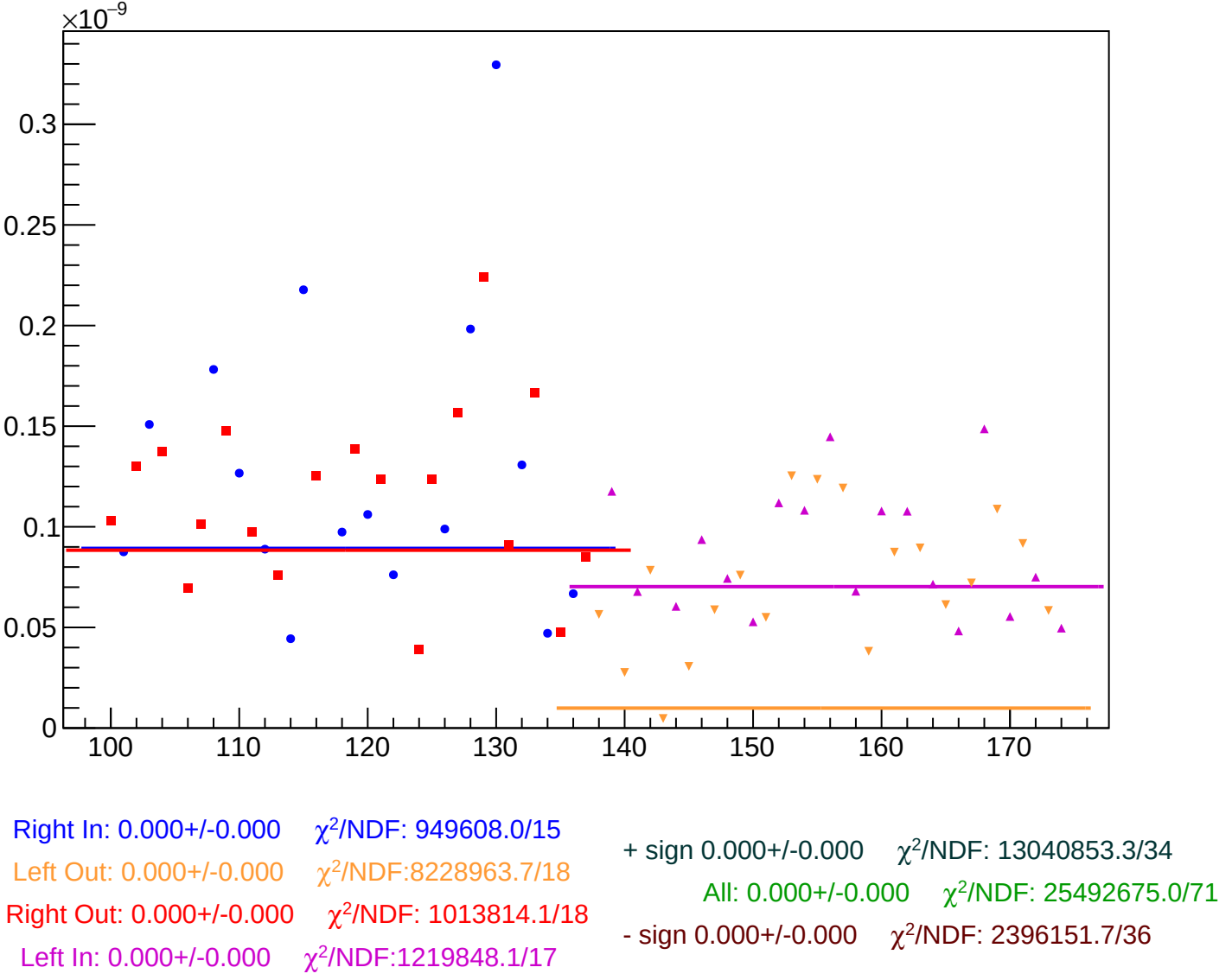
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

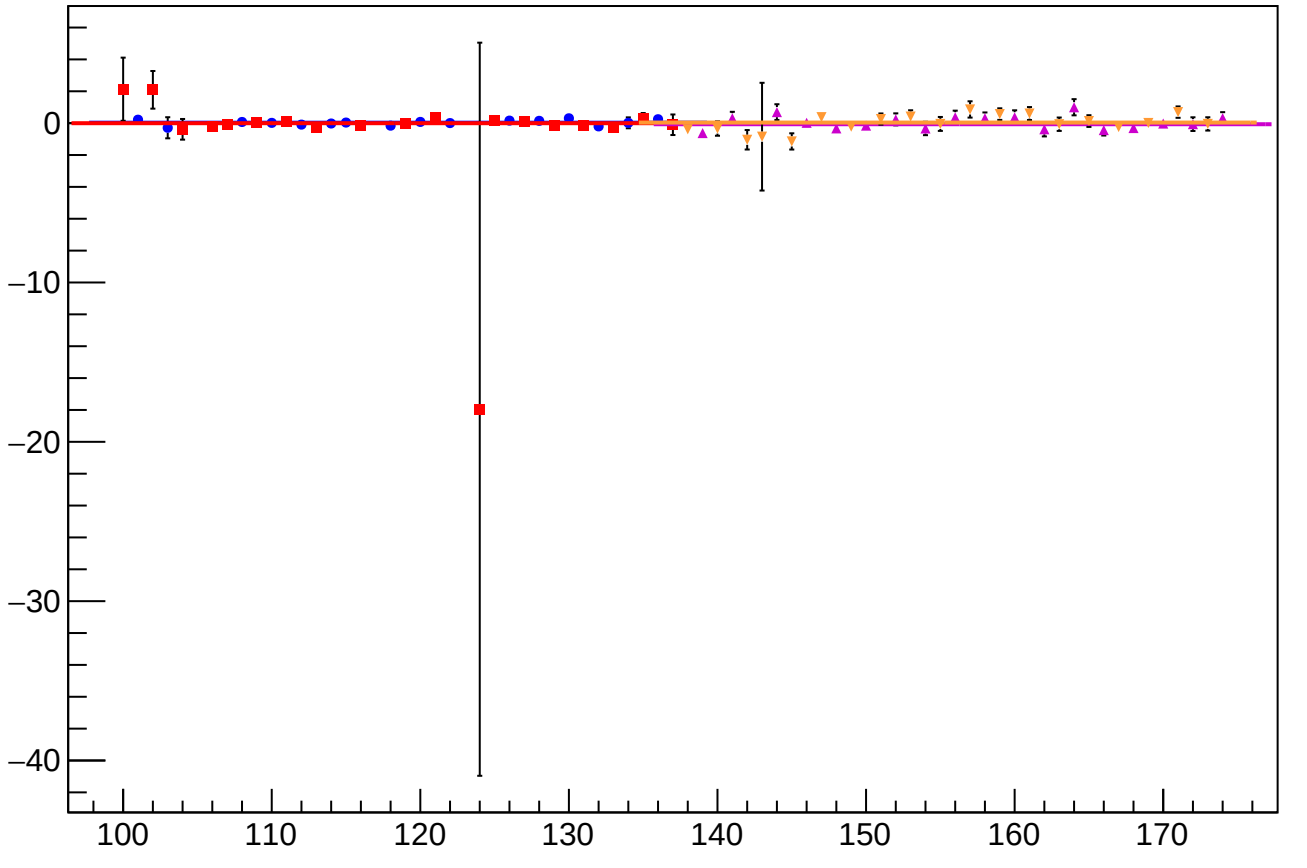
Left In: -0.000+/-0.000 χ^2/NDF:12.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 23.3/34

All: 0.000+/-0.000 χ^2/NDF: 67.3/71

- sign -0.000+/-0.000 χ^2/NDF: 43.4/36


asym_atl_dd_reg_vs_cor_diff_rms vs Slug
×10^−9
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 949608.0/15
Left Out: 0.000+/-0.000 χ²/NDF:8228963.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 1013814.1/18
Left In: 0.000+/-0.000 χ²/NDF:1219848.1/17
+ sign 0.000+/-0.000 χ²/NDF: 13040853.3/34
All: 0.000+/-0.000 χ²/NDF: 25492675.0/71
- sign 0.000+/-0.000 χ²/NDF: 2396151.7/36



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.037+/-0.079 χ^2/NDF:26.3/18

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

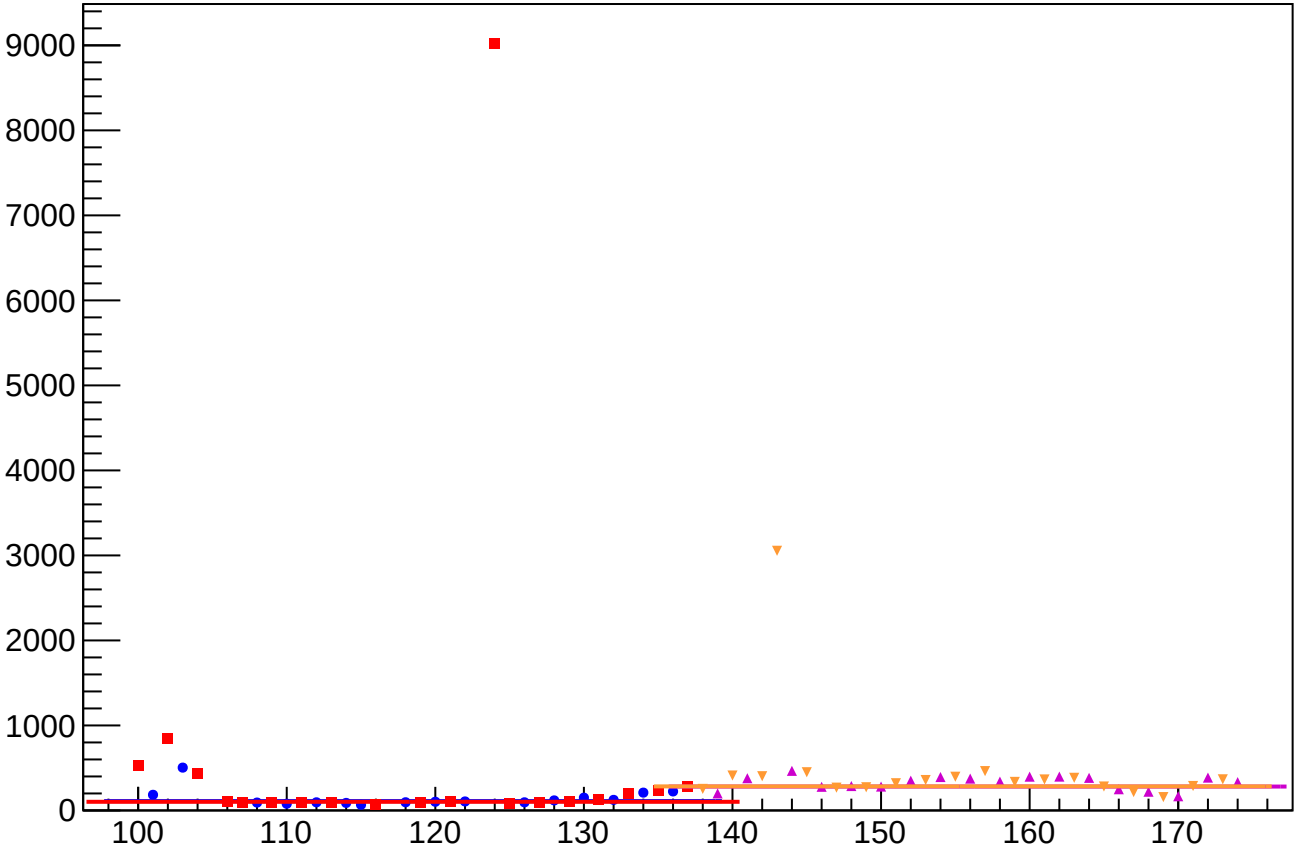
Left In: -0.068+/-0.077 χ^2/NDF:22.2/17

+ sign 0.030+/-0.039 χ^2/NDF: 35.2/34

All: 0.005+/-0.027 χ^2/NDF: 81.1/71

- 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: 283.214+/-0.056 χ^2/NDF:3793282.7/18

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

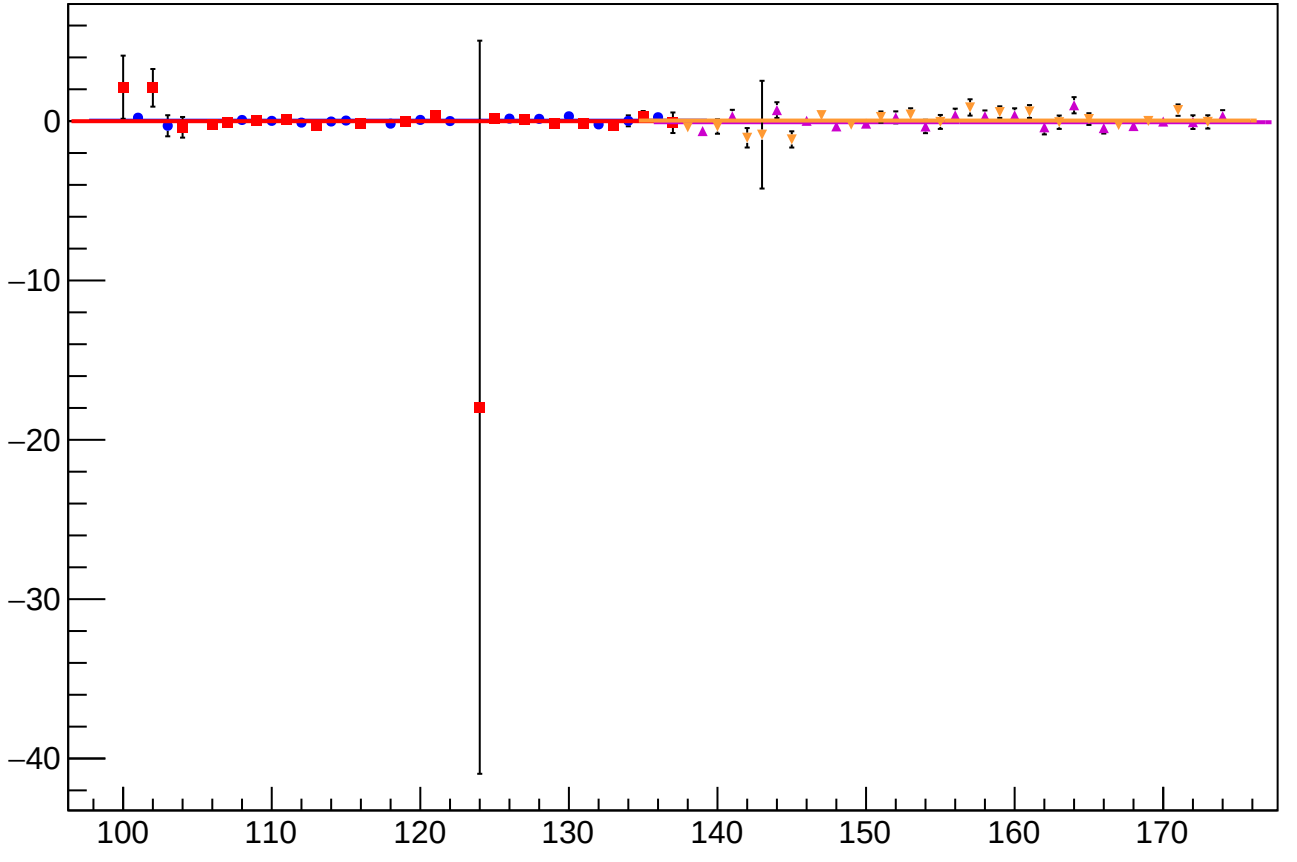
Left In: 281.178+/-0.055 χ^2/NDF:2395865.9/17

+ sign 152.558+/-0.028 χ^2/NDF: 12910698.9/34

All: 148.559+/-0.019 χ^2/NDF: 26137021.8/71

- 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: 0.037+/-0.079 χ^2/NDF:26.3/18

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

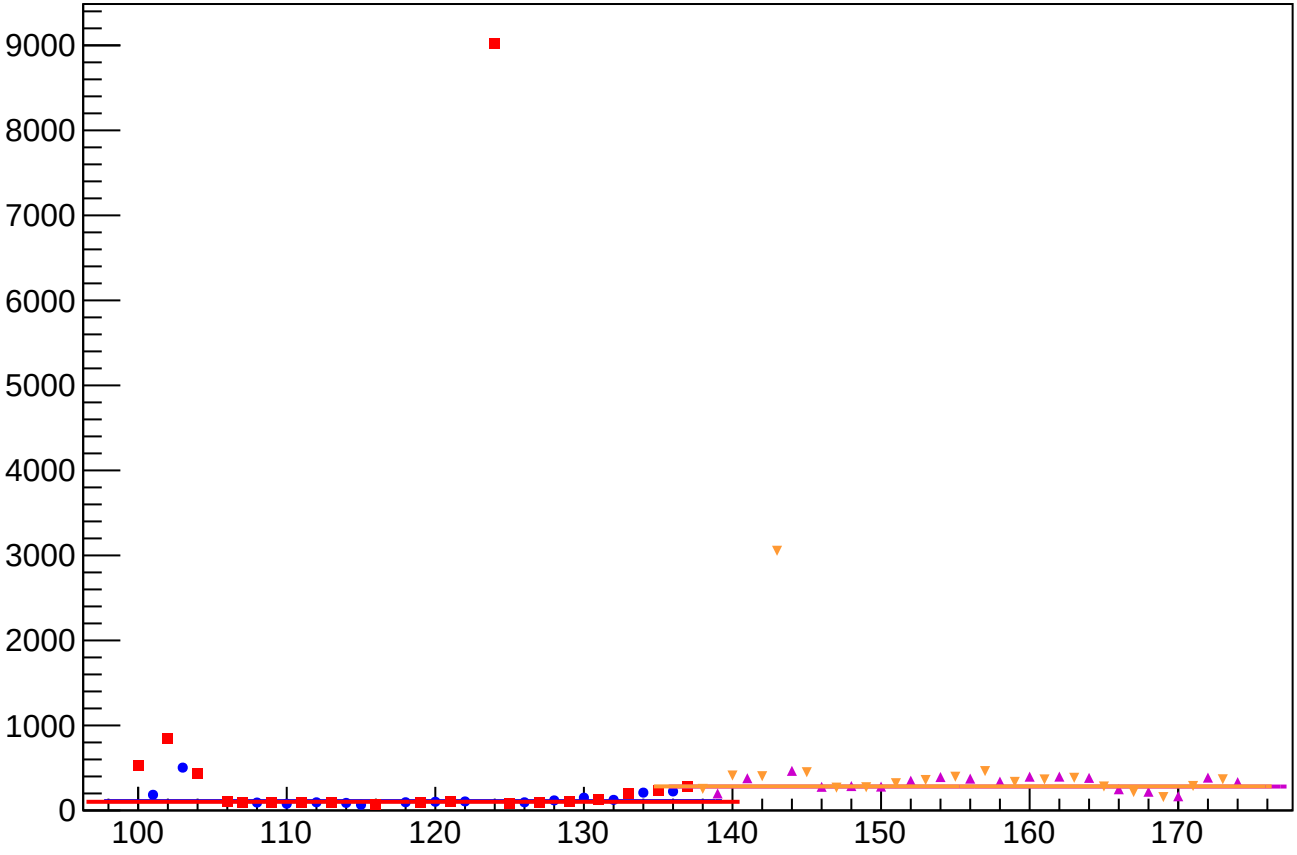
Left In: -0.068+/-0.077 χ^2/NDF:22.2/17

+ sign 0.030+/-0.039 χ^2/NDF: 35.2/34

All: 0.005+/-0.027 χ^2/NDF: 81.1/71

- 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: 283.214+/-0.056 χ^2/NDF:3793282.7/18

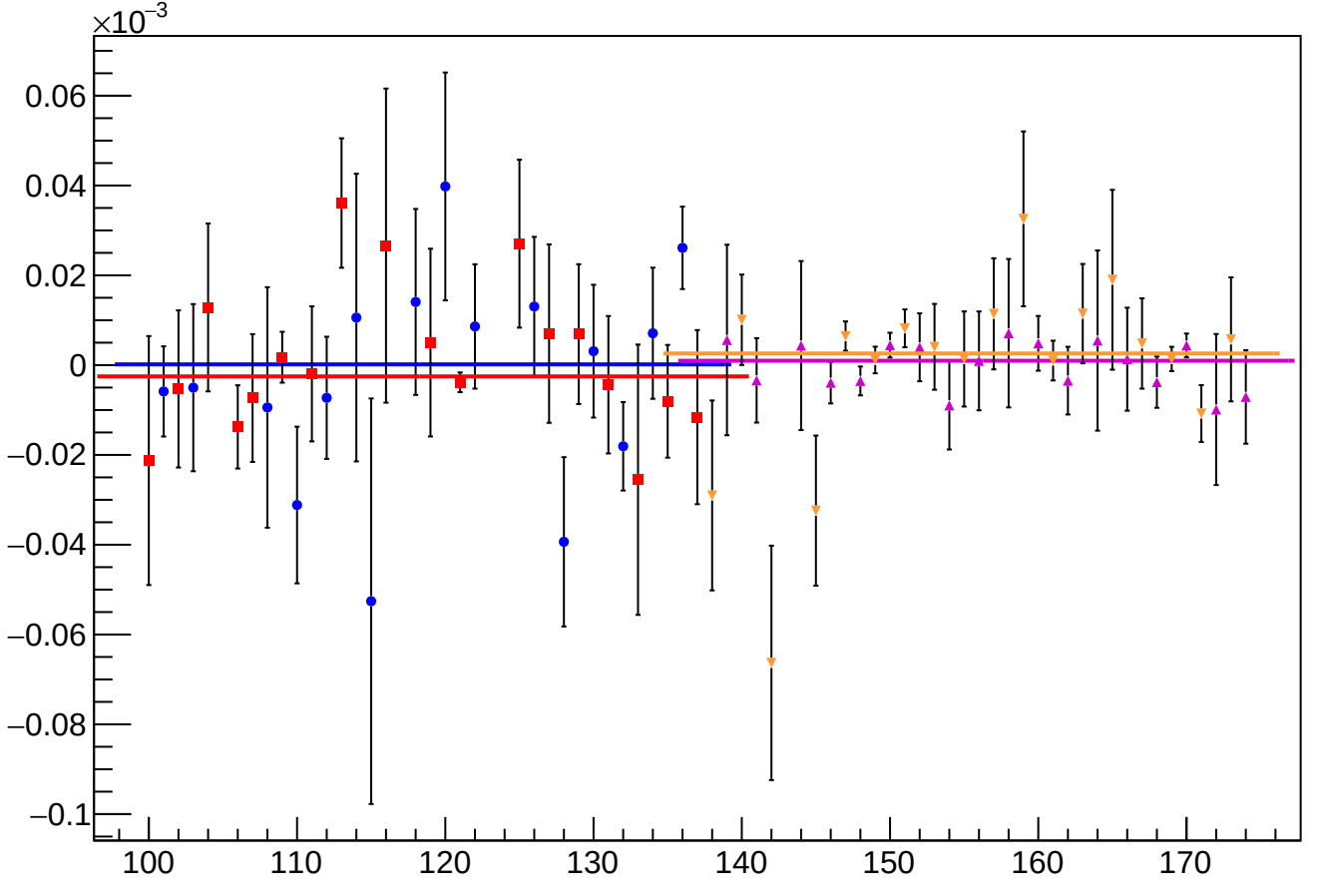
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 281.178+/-0.055 χ^2/NDF:2395865.9/17

+ sign 152.558+/-0.028 χ^2/NDF: 12910698.9/34

All: 148.559+/-0.019 χ^2/NDF: 26137021.8/71

- 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:26.7/17

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

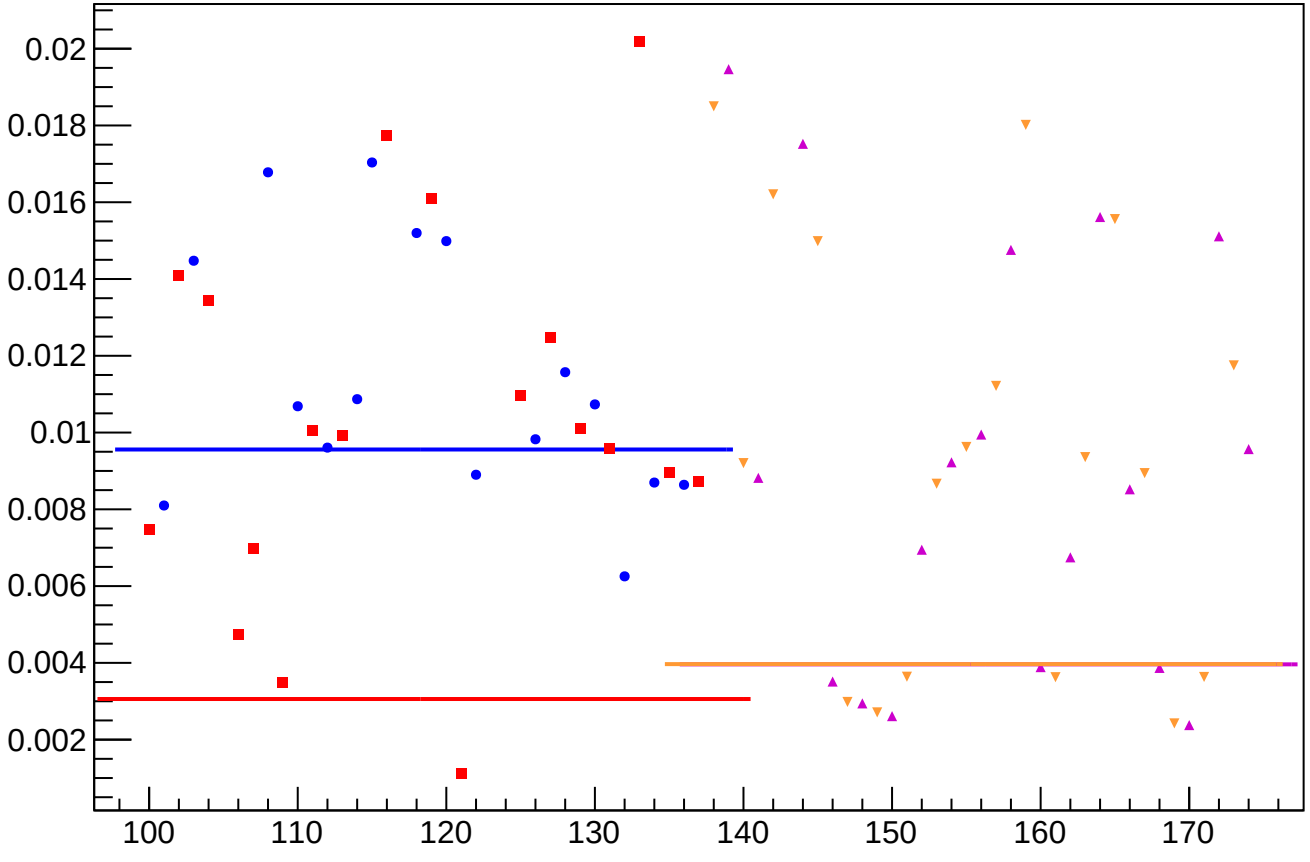
Left In: 0.000+/-0.000 χ^2/NDF:10.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 52.6/33

All: 0.000+/-0.000 χ^2/NDF: 83.6/69

- sign -0.000+/-0.000 χ^2/NDF: 28.6/35

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:9068503.0/17

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

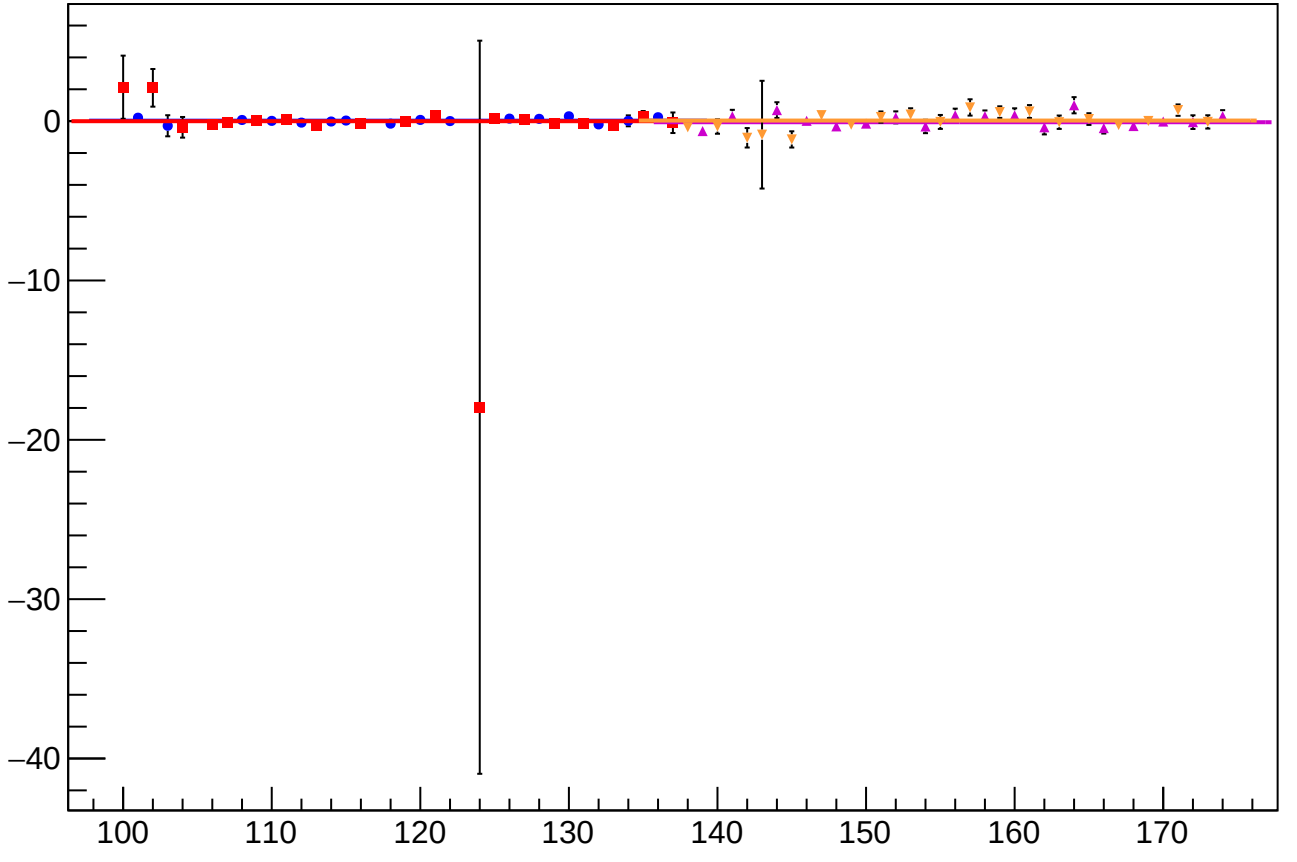
Left In: 0.004+/-0.000 χ^2/NDF:9105308.6/17

+ sign 0.005+/-0.000 χ^2/NDF: 13967117.1/33

All: 0.004+/-0.000 χ^2/NDF: 32188208.8/69

- sign 0.004+/-0.000 χ^2/NDF: 17547893.0/35

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.037+/-0.079 χ^2/NDF:26.3/18

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

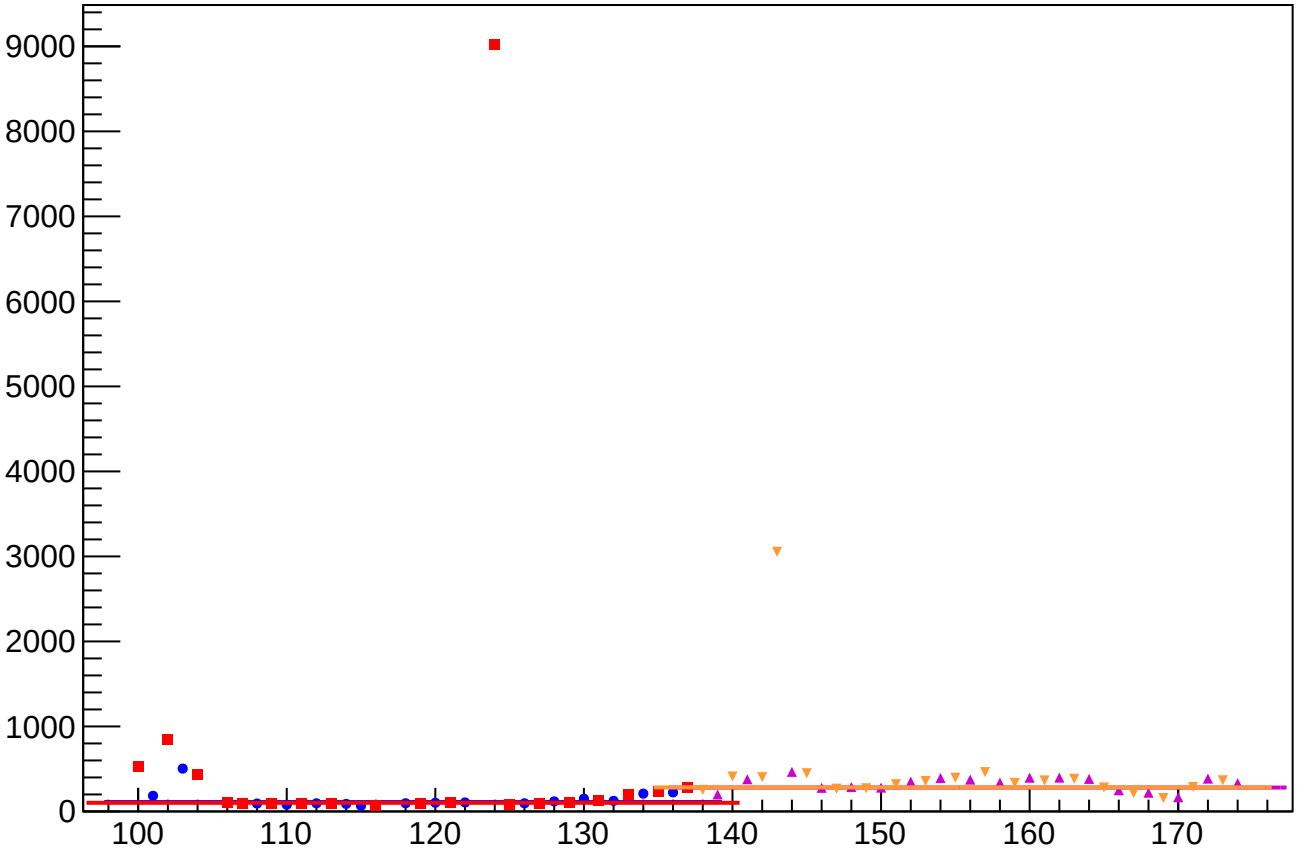
Left In: -0.068+/-0.077 χ^2/NDF:22.2/17

+ sign 0.030+/-0.039 χ^2/NDF: 35.2/34

All: 0.005+/-0.027 χ^2/NDF: 81.1/71

- 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: 283.216+/-0.056 χ^2/NDF:3793341.0/18

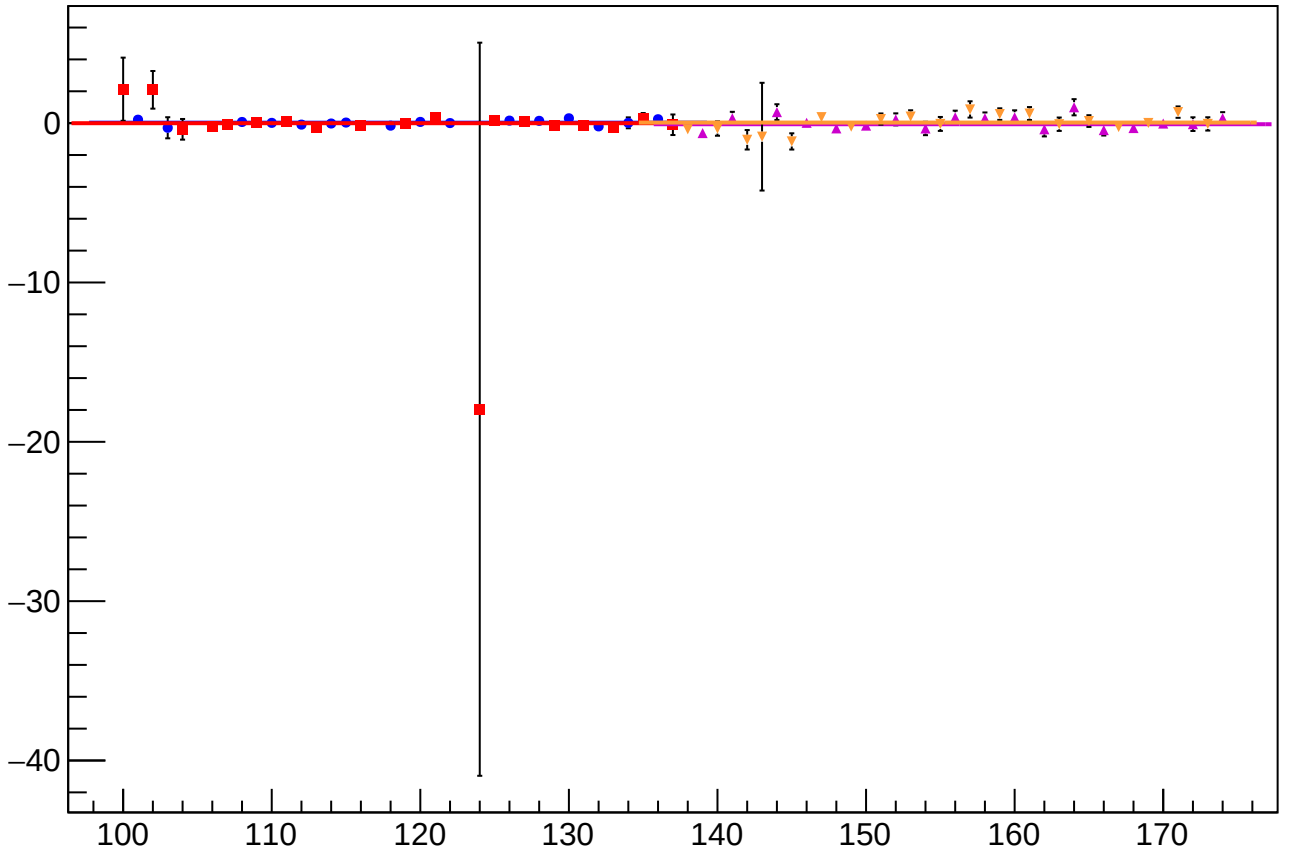
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 281.181+/-0.055 χ^2/NDF:2395817.8/17

+ sign 152.559+/-0.028 χ^2/NDF: 12910666.3/34

All: 148.560+/-0.019 χ^2/NDF: 26136854.8/71

- 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: 0.037+/-0.079 χ^2/NDF:26.3/18

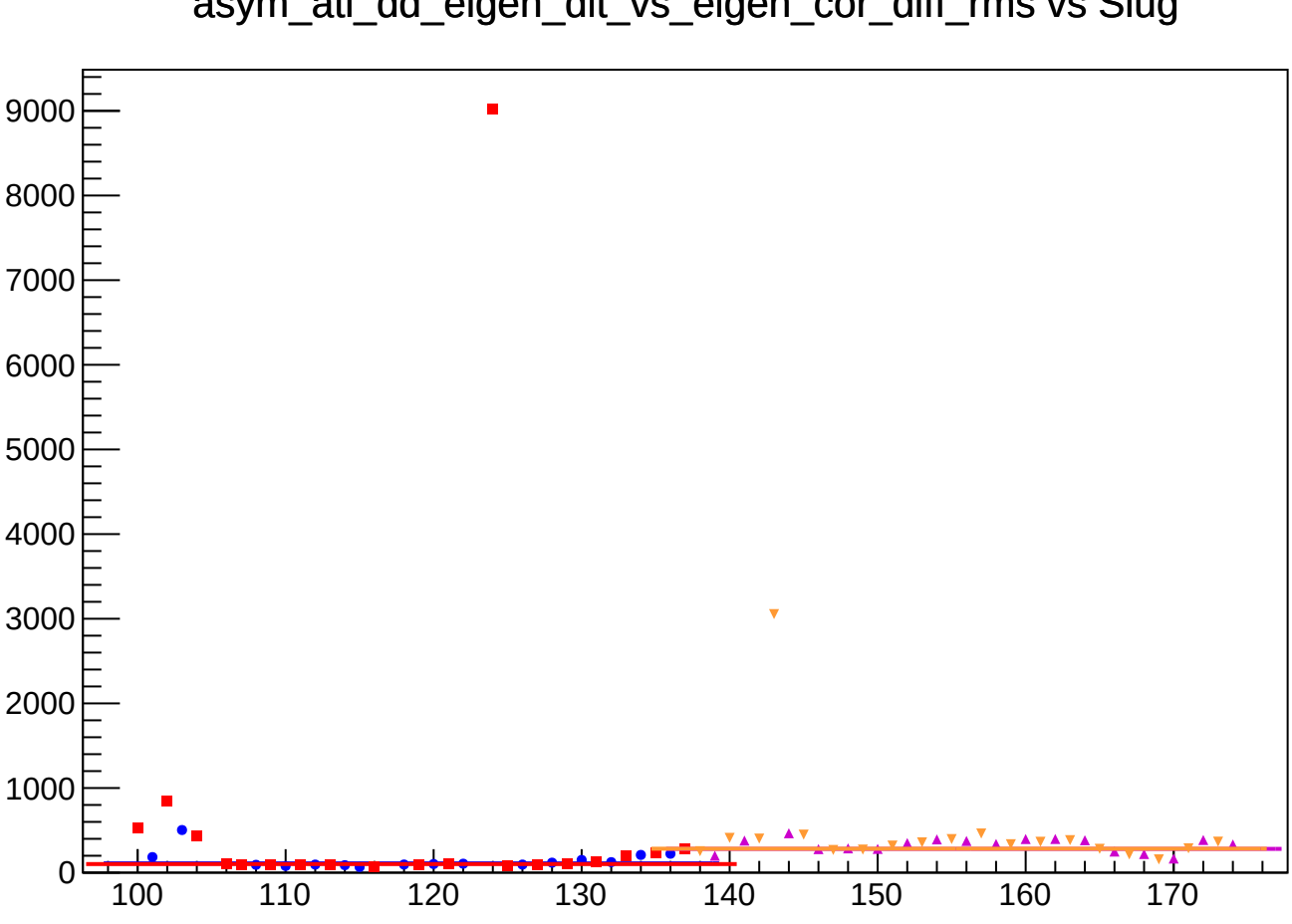
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.068+/-0.077 χ^2/NDF:22.2/17

+ sign 0.030+/-0.039 χ^2/NDF: 35.2/34

All: 0.005+/-0.027 χ^2/NDF: 81.1/71

- 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: 283.216+/-0.056 χ^2/NDF:3793341.0/18

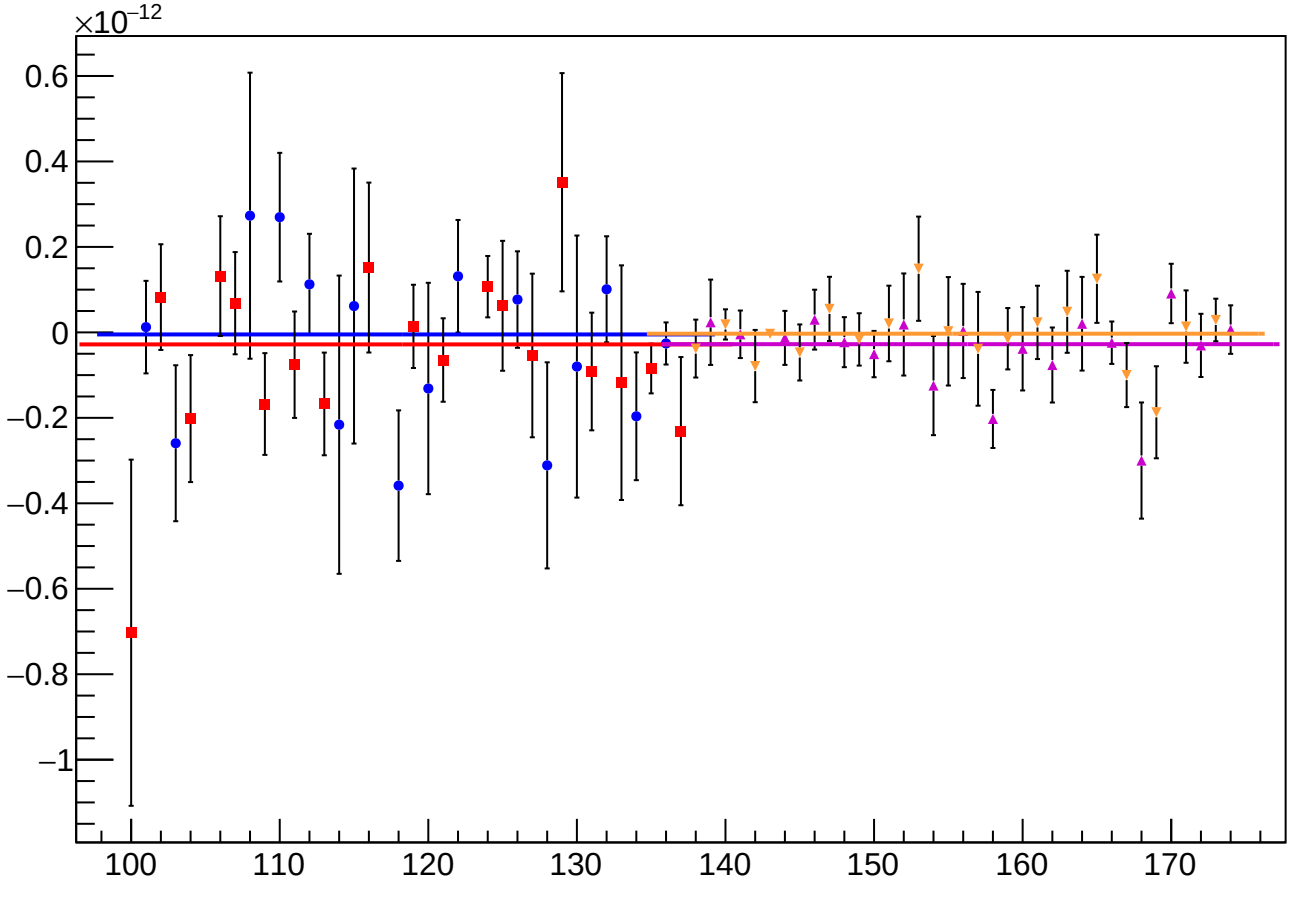
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 281.181+/-0.055 χ^2/NDF:2395817.8/17

+ sign 152.559+/-0.028 χ^2/NDF: 12910666.3/34

All: 148.560+/-0.019 χ^2/NDF: 26136854.8/71

- 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:11.2/18

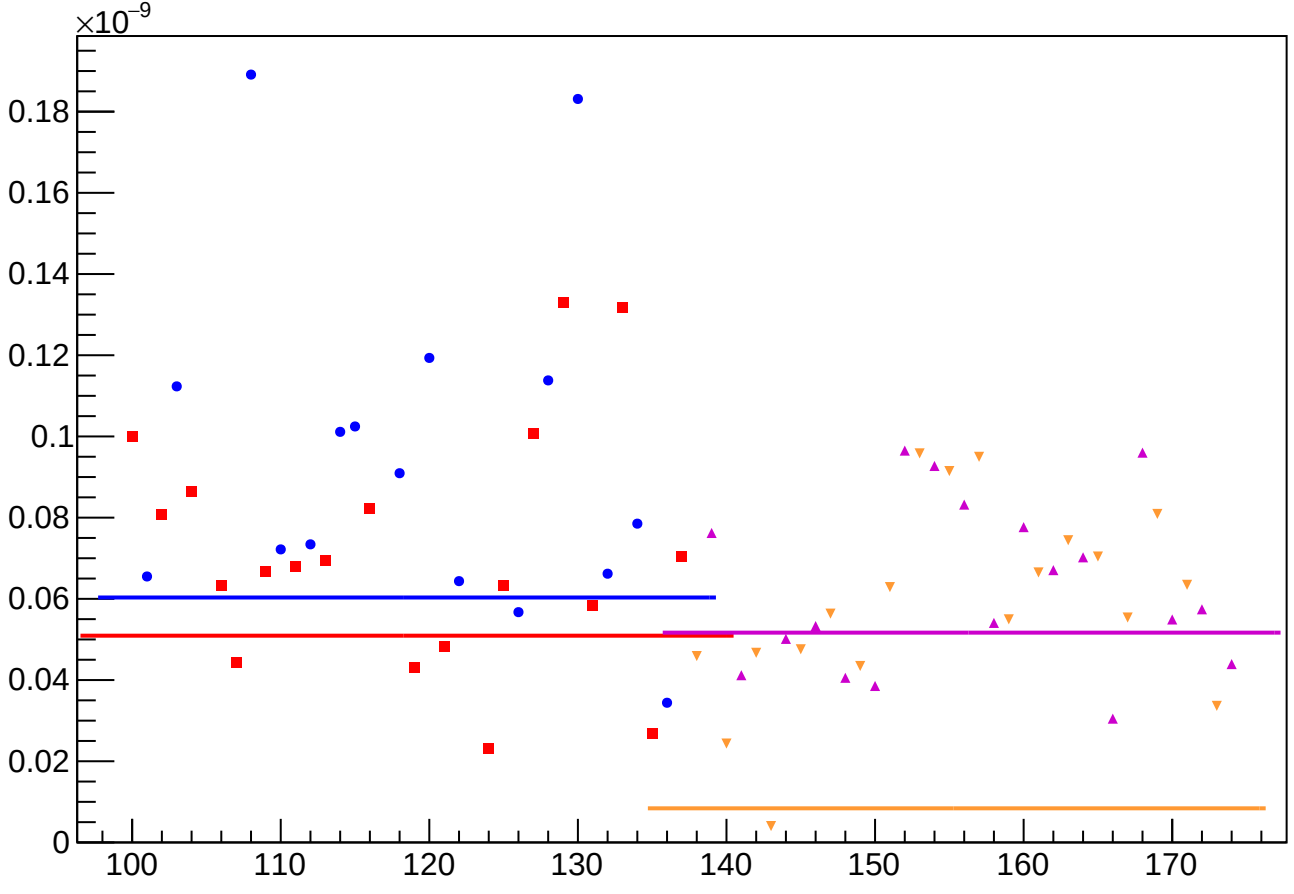
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.7/17

+ sign -0.000+/-0.000 χ^2/NDF: 28.7/34

All: -0.000+/-0.000 χ^2/NDF: 67.6/71

- sign -0.000+/-0.000 χ^2/NDF: 36.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14789470.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

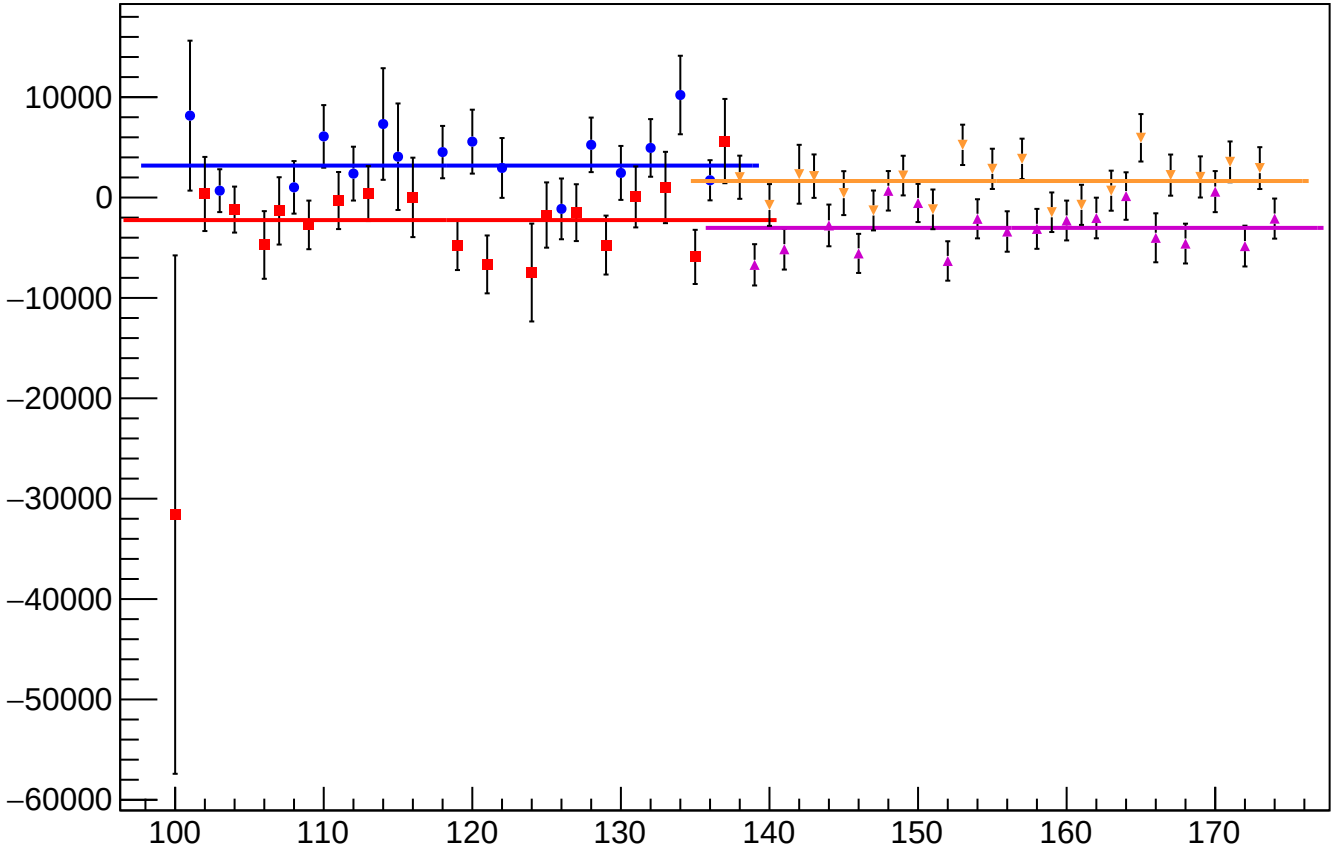
Left In: 0.000+/-0.000 χ^2/NDF:1973518.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 21737297.0/34

All: 0.000+/-0.000 χ^2/NDF: 40025700.7/71

- sign 0.000+/-0.000 χ^2/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: 1646.518+/-477.725 χ^2/NDF:19.7/18

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

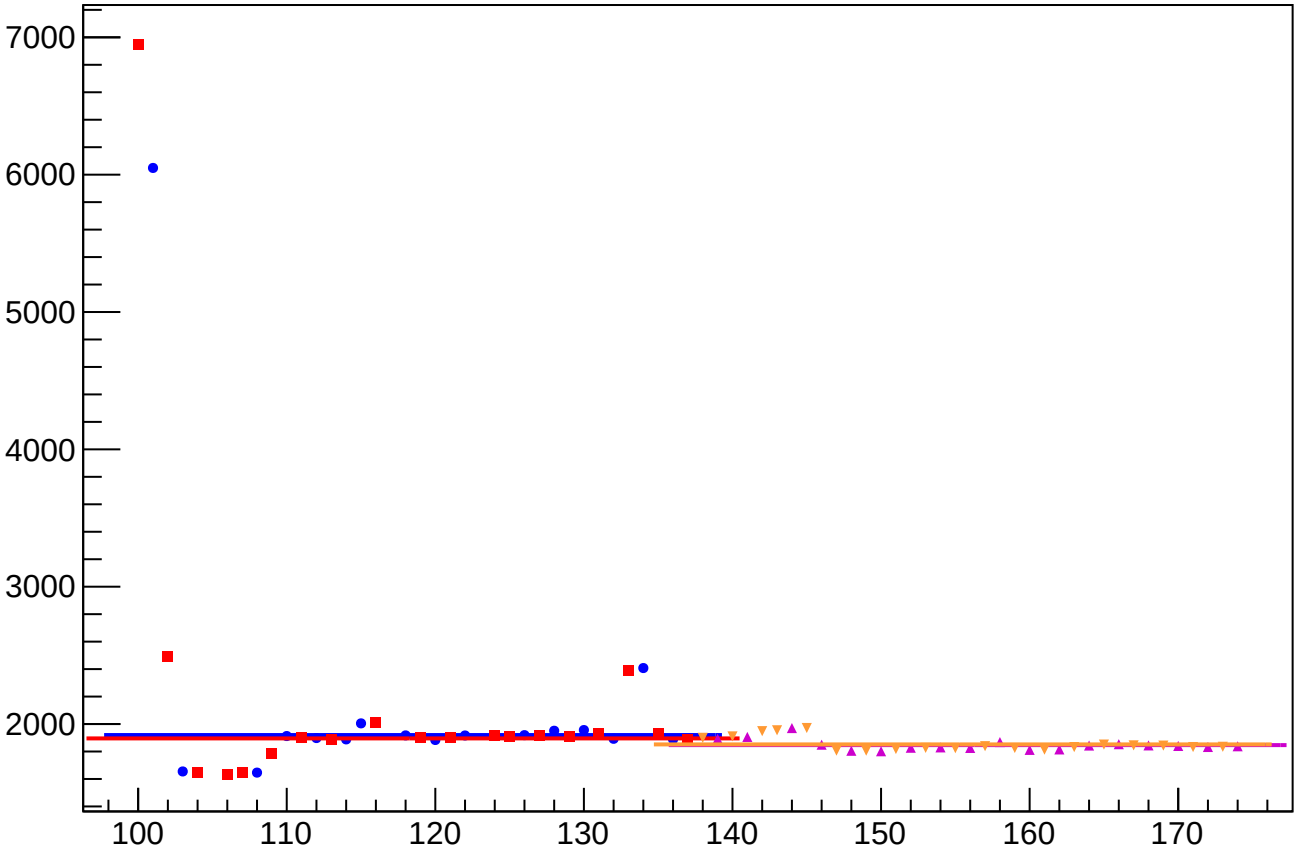
Left In: -3023.491+/-478.779 χ^2/NDF:21.4/17

+ sign 2106.441+/-399.922 χ^2/NDF: 34.5/34

All: -354.436+/-281.791 χ^2/NDF: 148.4/71

- 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: 1851.688+/-0.338 χ^2/NDF:20331.0/18

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

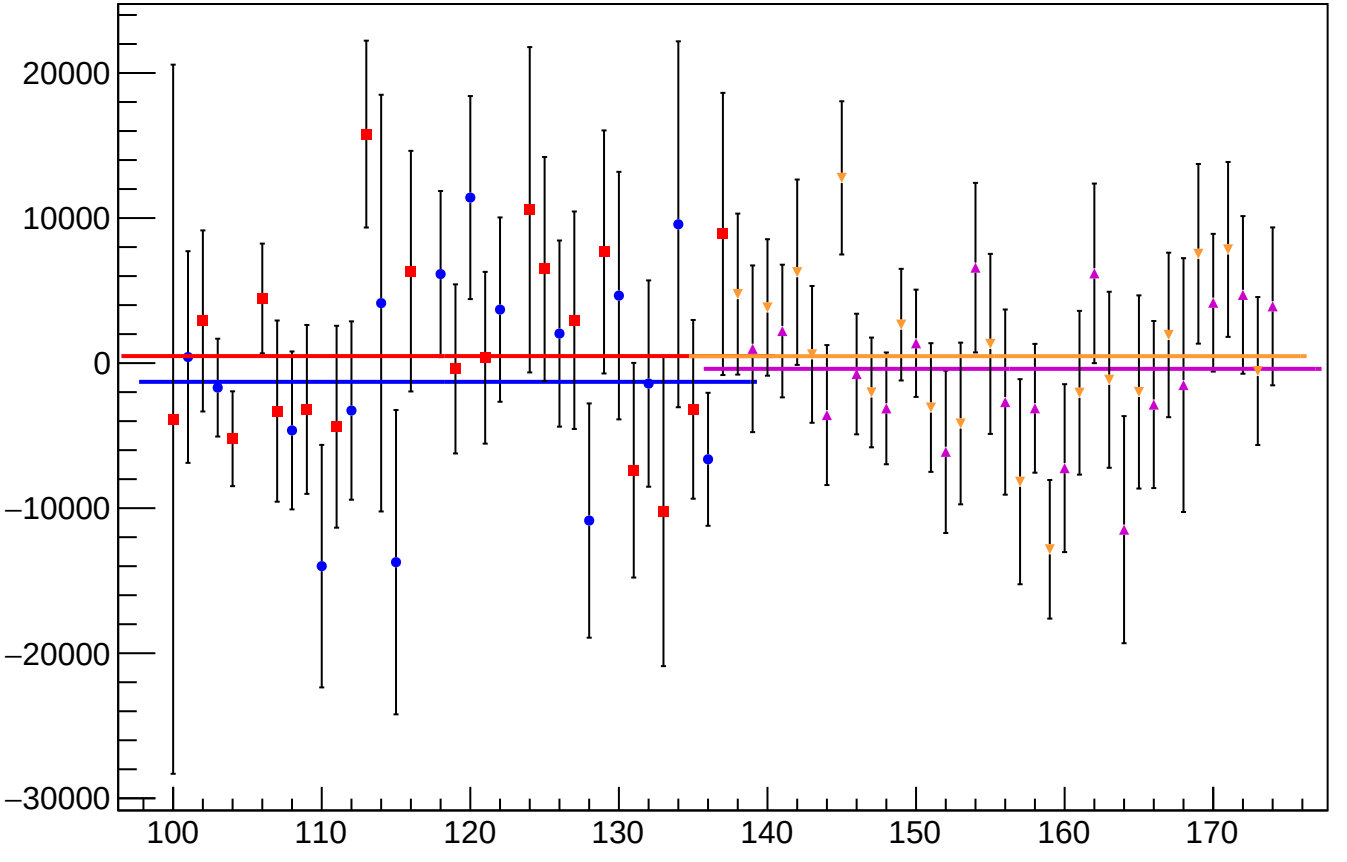
Left In: 1846.593+/-0.339 χ^2/NDF:13894.8/17

+ sign 1872.075+/-0.283 χ^2/NDF: 729836.2/34

All: 1866.938+/-0.199 χ^2/NDF: 973165.6/71

- 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: 479.505+/-1197.455 χ^2/NDF:22.0/18

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

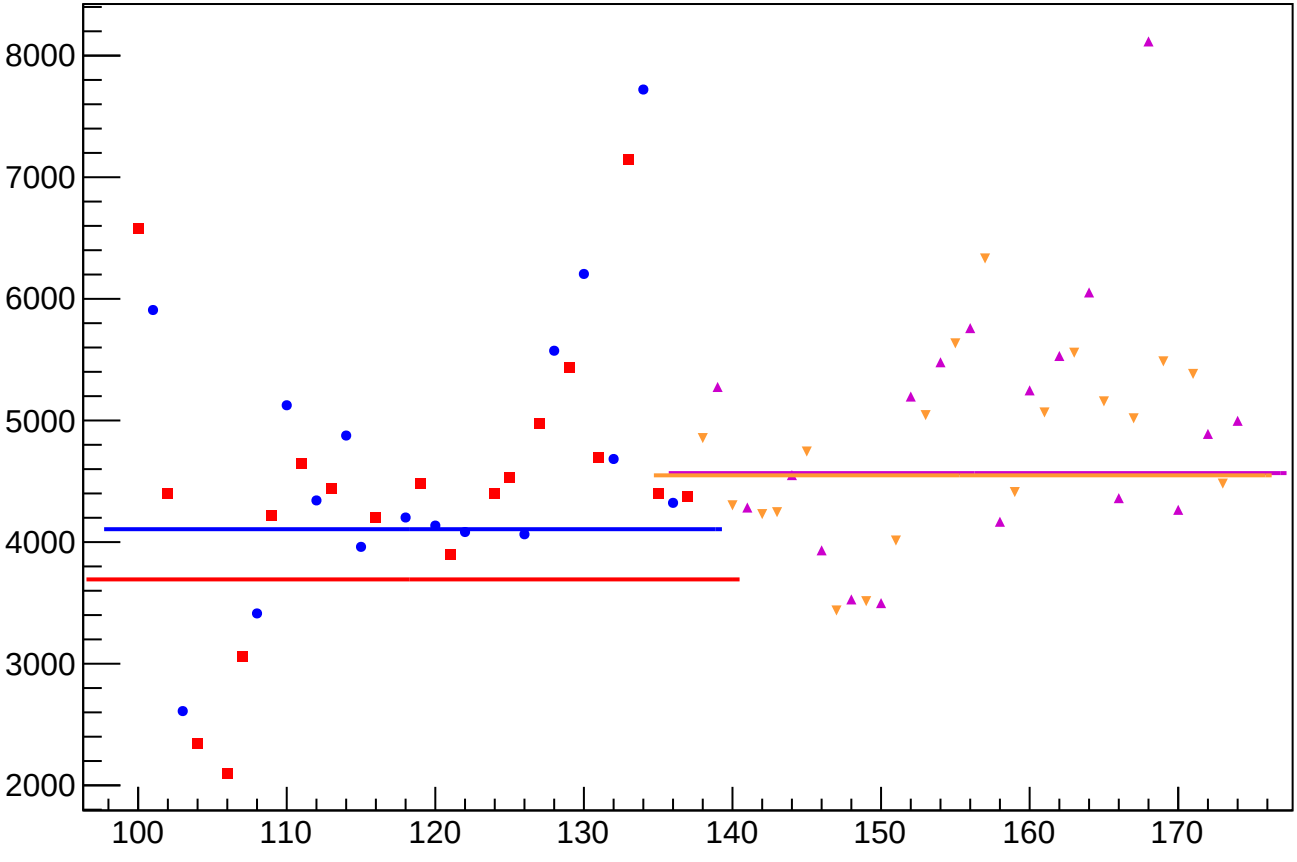
Left In: -395.036+/-1209.696 χ^2/NDF:11.7/17

+ sign -163.435+/-955.534 χ^2/NDF: 37.1/34

All: -94.640+/-664.815 χ^2/NDF: 66.2/71

- 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: 4548.939+/-0.847 χ^2/NDF:766536.3/18

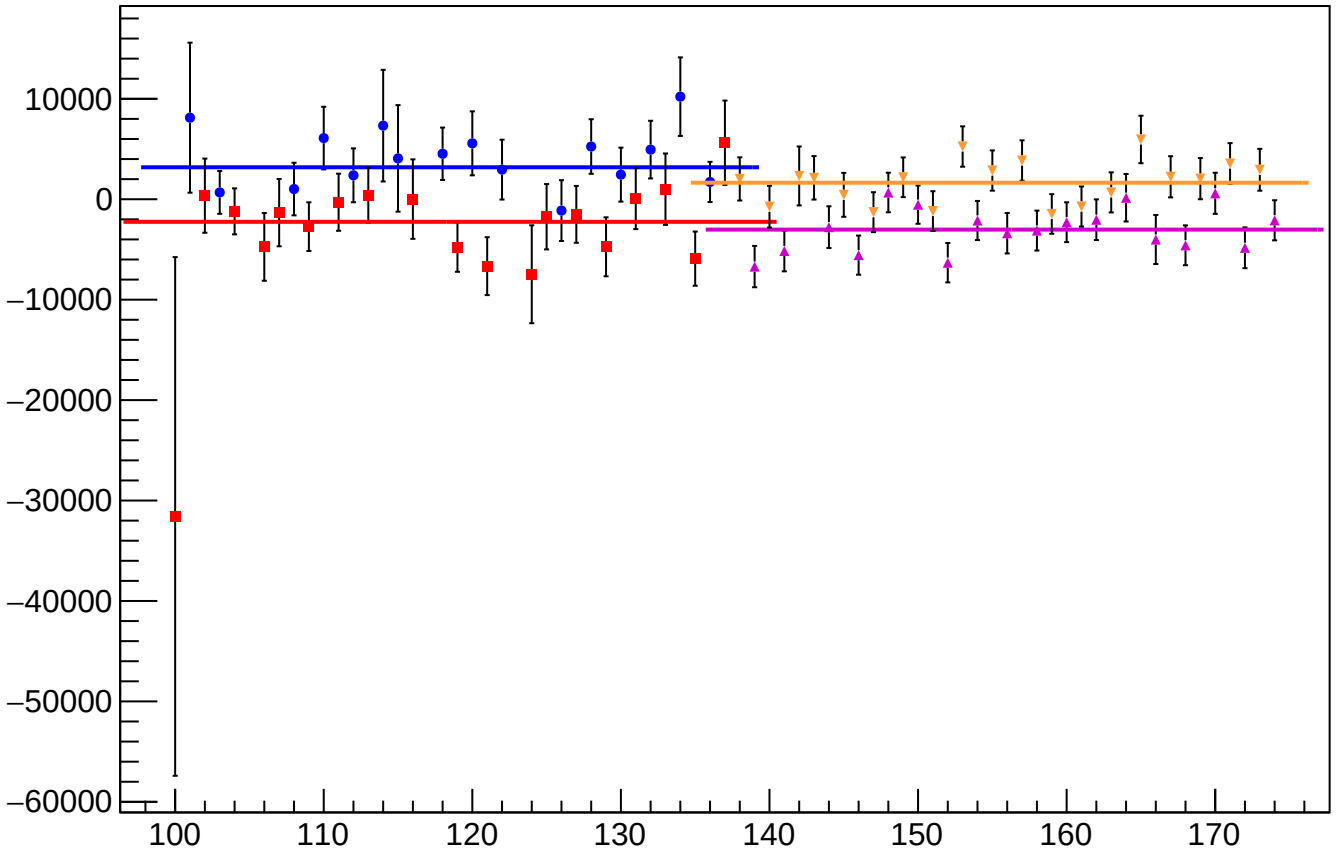
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4567.309+/-0.855 χ^2/NDF:1064413.5/17

+ sign 4388.096+/-0.676 χ^2/NDF: 1822005.6/34

All: 4293.601+/-0.470 χ^2/NDF: 4713847.3/71

- sign 4204.940+/-0.654 χ^2/NDF: 2853930.5/36



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1646.412+/-477.725 χ^2/NDF:19.7/18

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

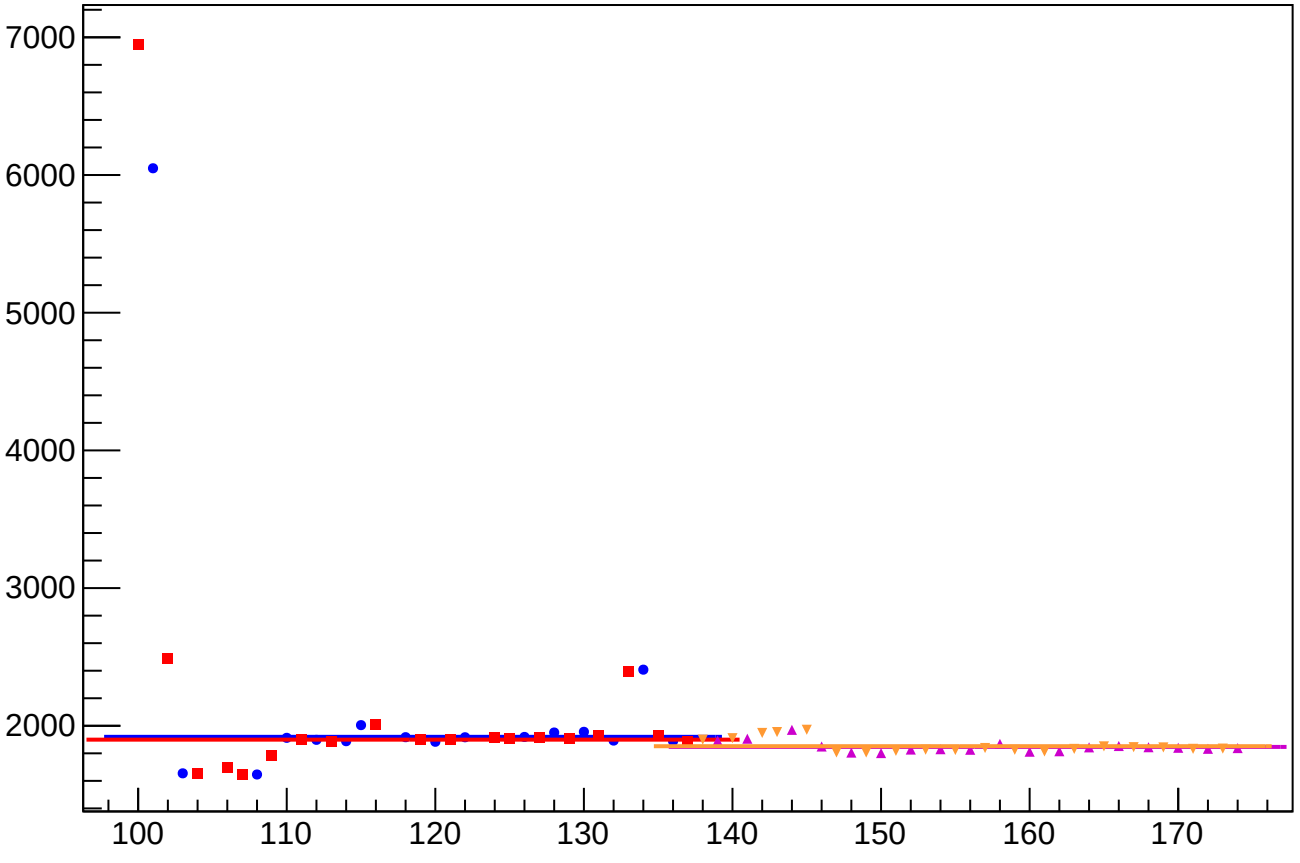
Left In: -3023.458+/-478.779 χ^2/NDF:21.4/17

+ sign 2106.148+/-399.922 χ^2/NDF: 34.5/34

All: -354.745+/-281.791 χ^2/NDF: 148.4/71

- 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: 1851.688+/-0.338 χ^2/NDF:20331.0/18

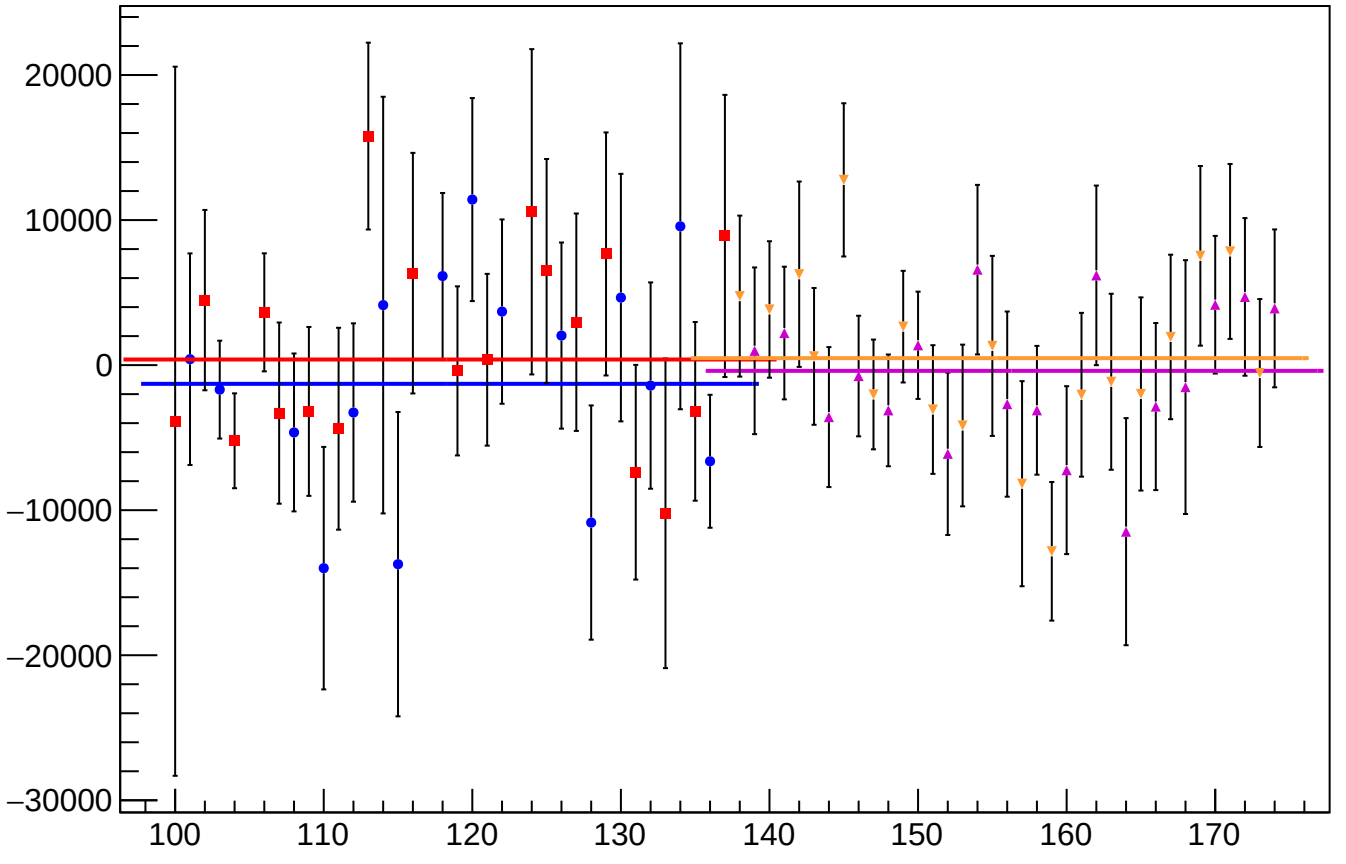
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.593+/-0.339 χ^2/NDF:13894.8/17

+ sign 1872.075+/-0.283 χ^2/NDF: 729835.5/34

All: 1867.552+/-0.199 χ^2/NDF: 967490.2/71

- 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: 479.467+/-1197.453 χ^2/NDF:22.0/18

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

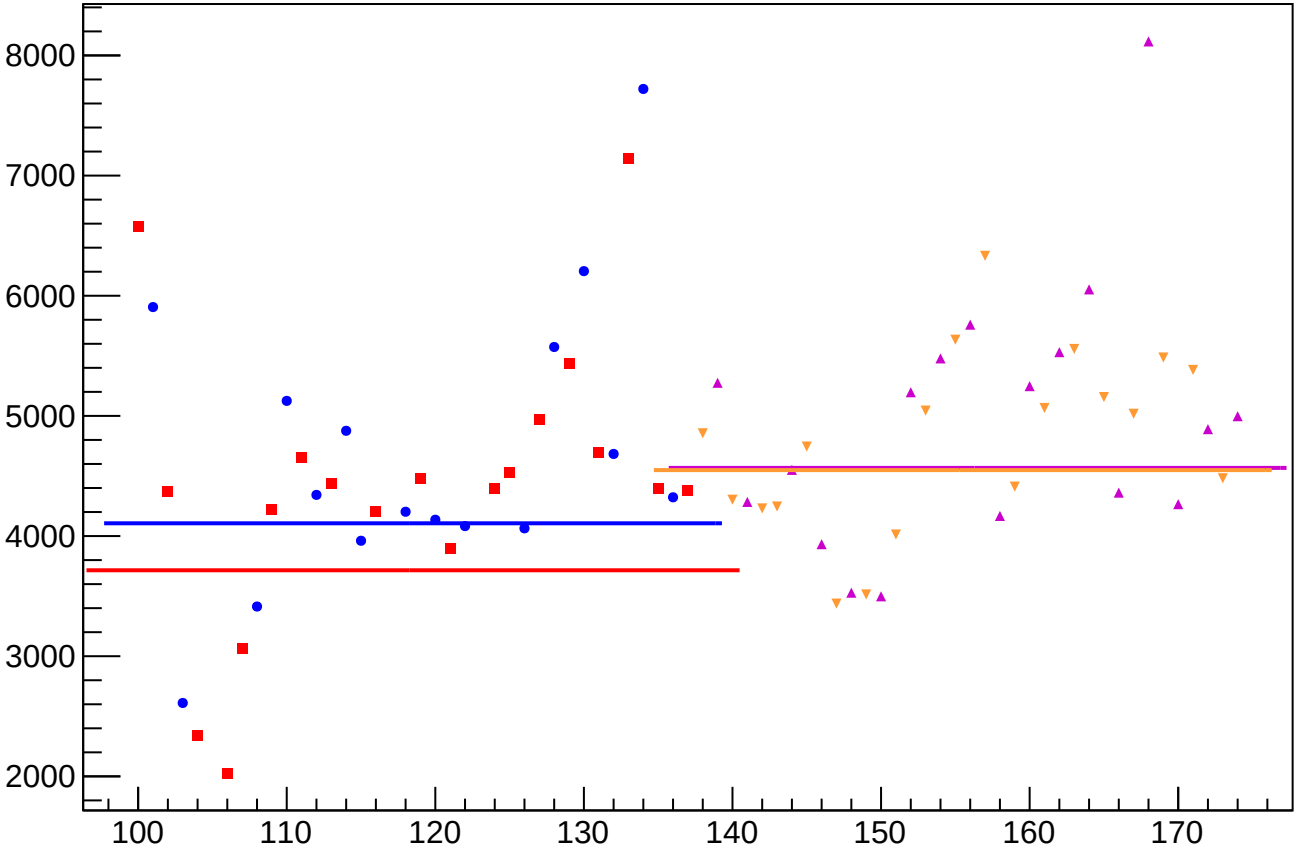
Left In: -395.053+/-1209.697 χ^2/NDF:11.7/17

+ sign -163.589+/-955.533 χ^2/NDF: 37.1/34

All: -117.678+/-666.191 χ^2/NDF: 65.9/71

- 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: 4548.928+/-0.847 χ^2/NDF:766552.5/18

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

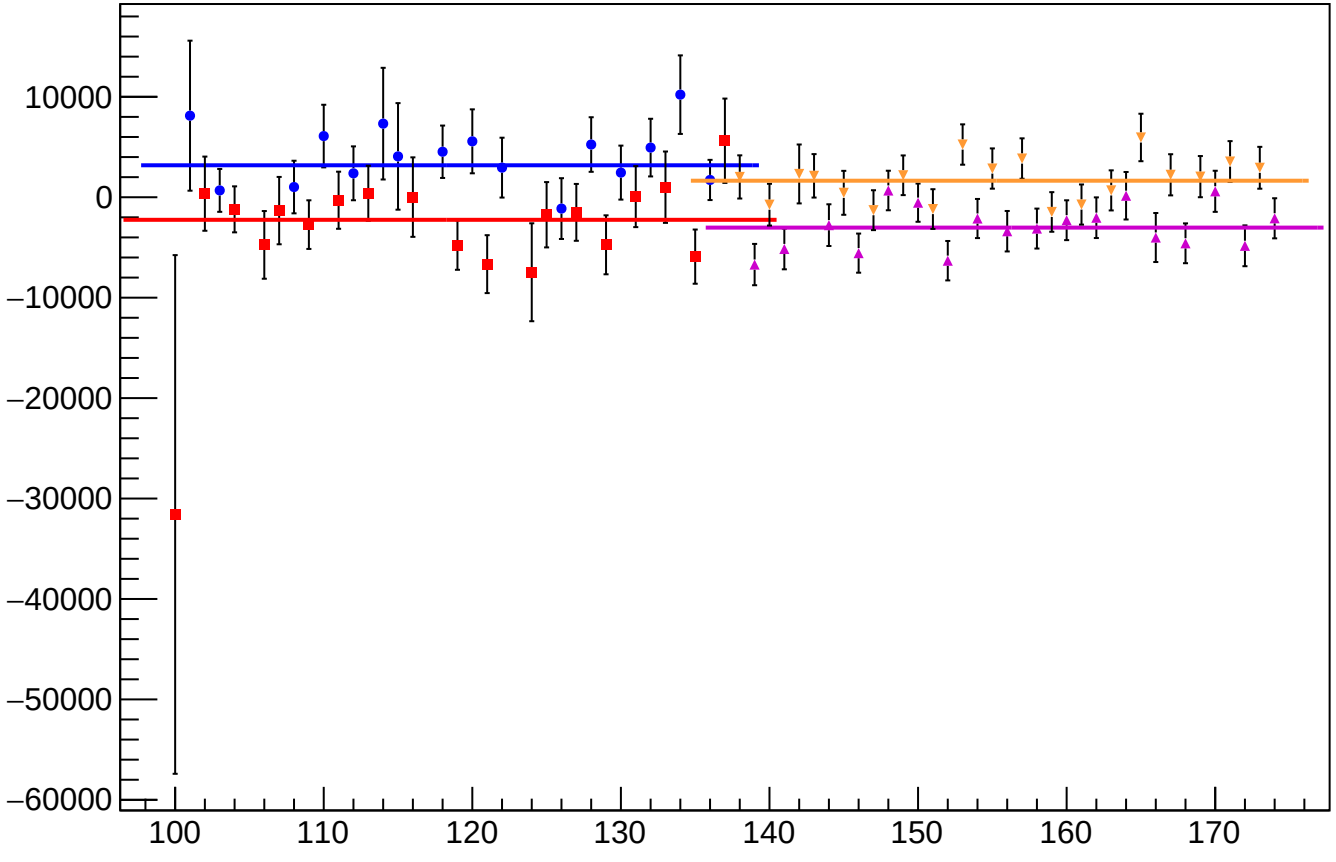
Left In: 4567.312+/-0.855 χ^2/NDF:1064410.3/17

+ sign 4388.123+/-0.676 χ^2/NDF: 1821475.8/34

All: 4300.722+/-0.471 χ^2/NDF: 4660285.0/71

- 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: 1646.412+/-477.725 χ^2/NDF:19.7/18

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

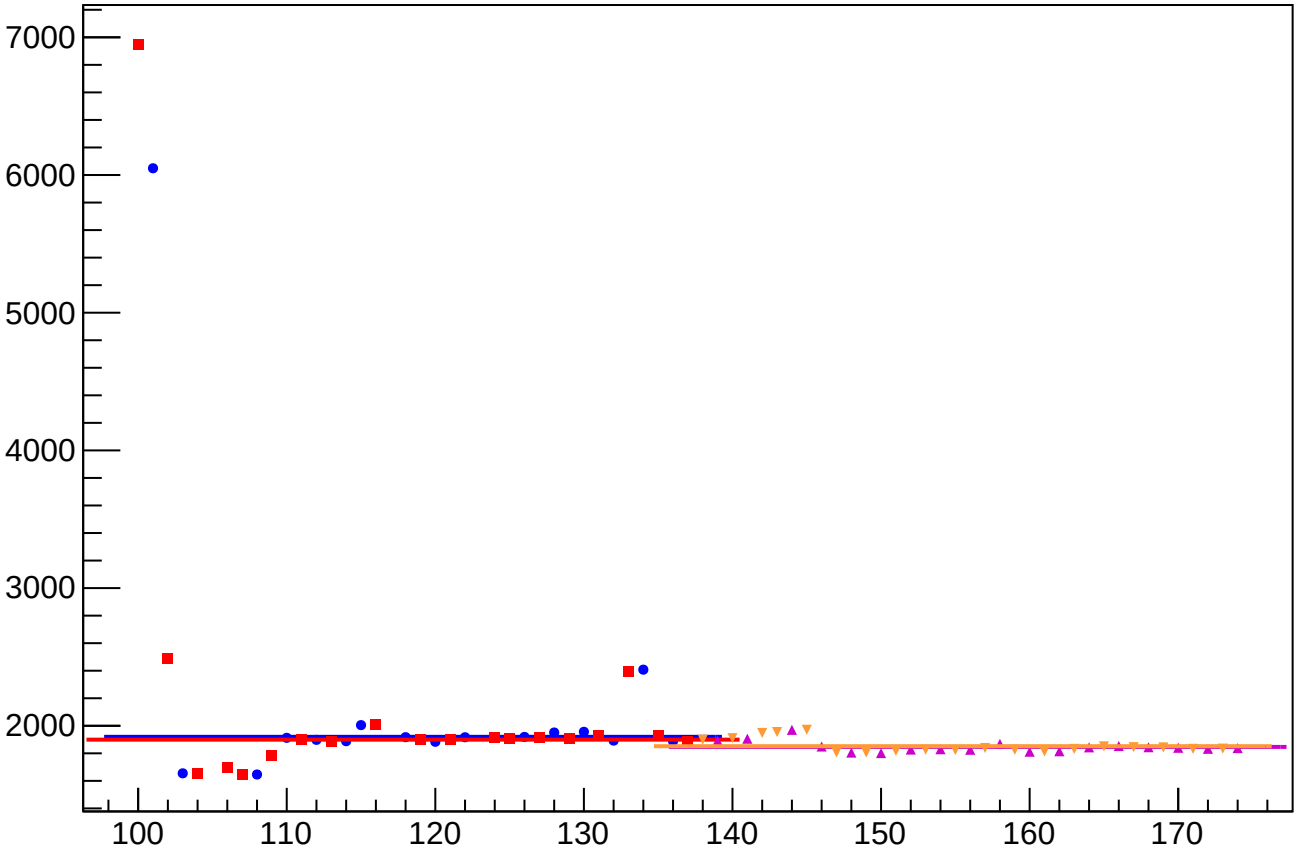
Left In: -3023.458+/-478.779 χ^2/NDF:21.4/17

+ sign 2106.148+/-399.922 χ^2/NDF: 34.5/34

All: -354.745+/-281.791 χ^2/NDF: 148.4/71

- 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: 1851.688+/-0.338 χ^2/NDF:20331.0/18

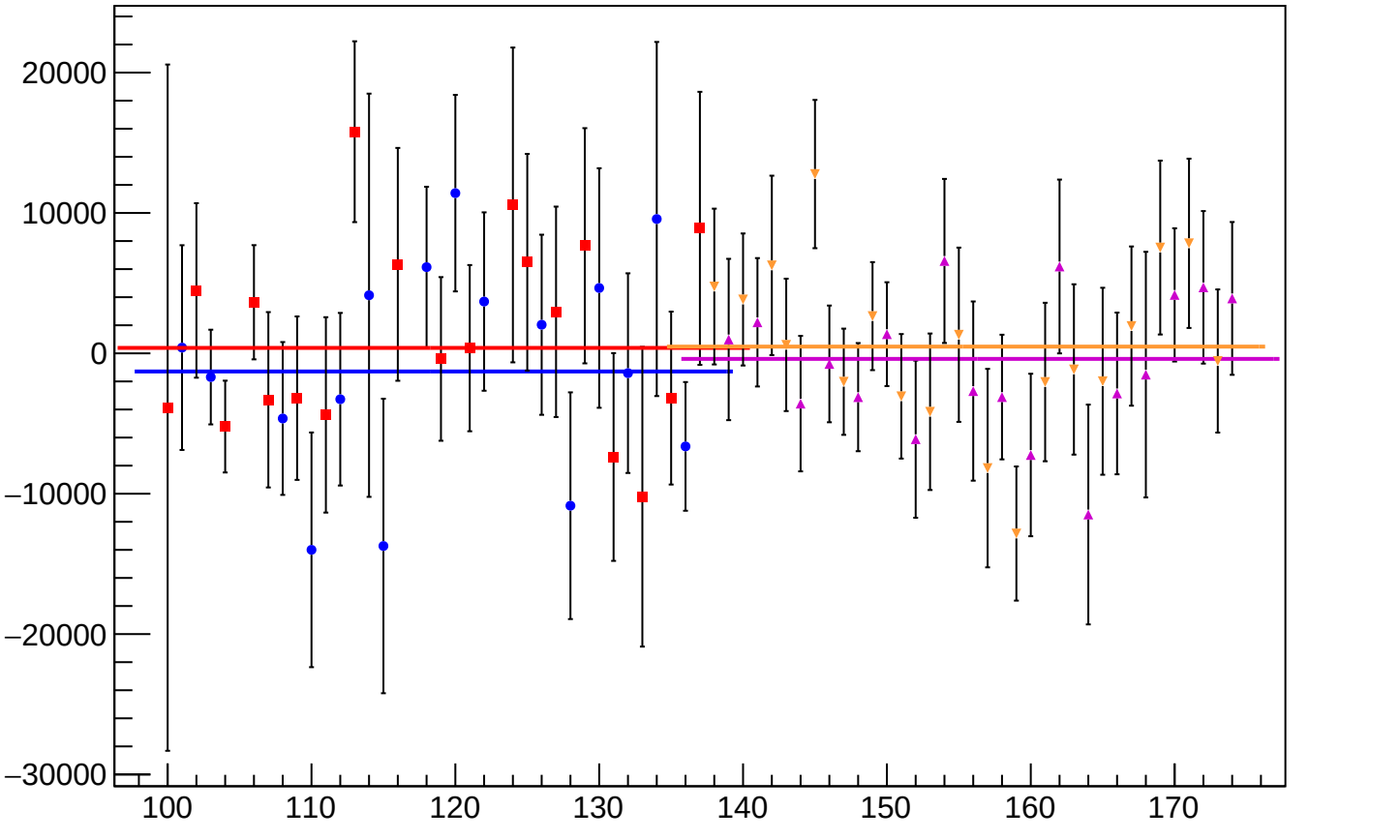
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.593+/-0.339 χ^2/NDF:13894.8/17

+ sign 1872.075+/-0.283 χ^2/NDF: 729835.5/34

All: 1867.552+/-0.199 χ^2/NDF: 967490.2/71

- 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: 479.467+/-1197.453 χ^2/NDF:22.0/18

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

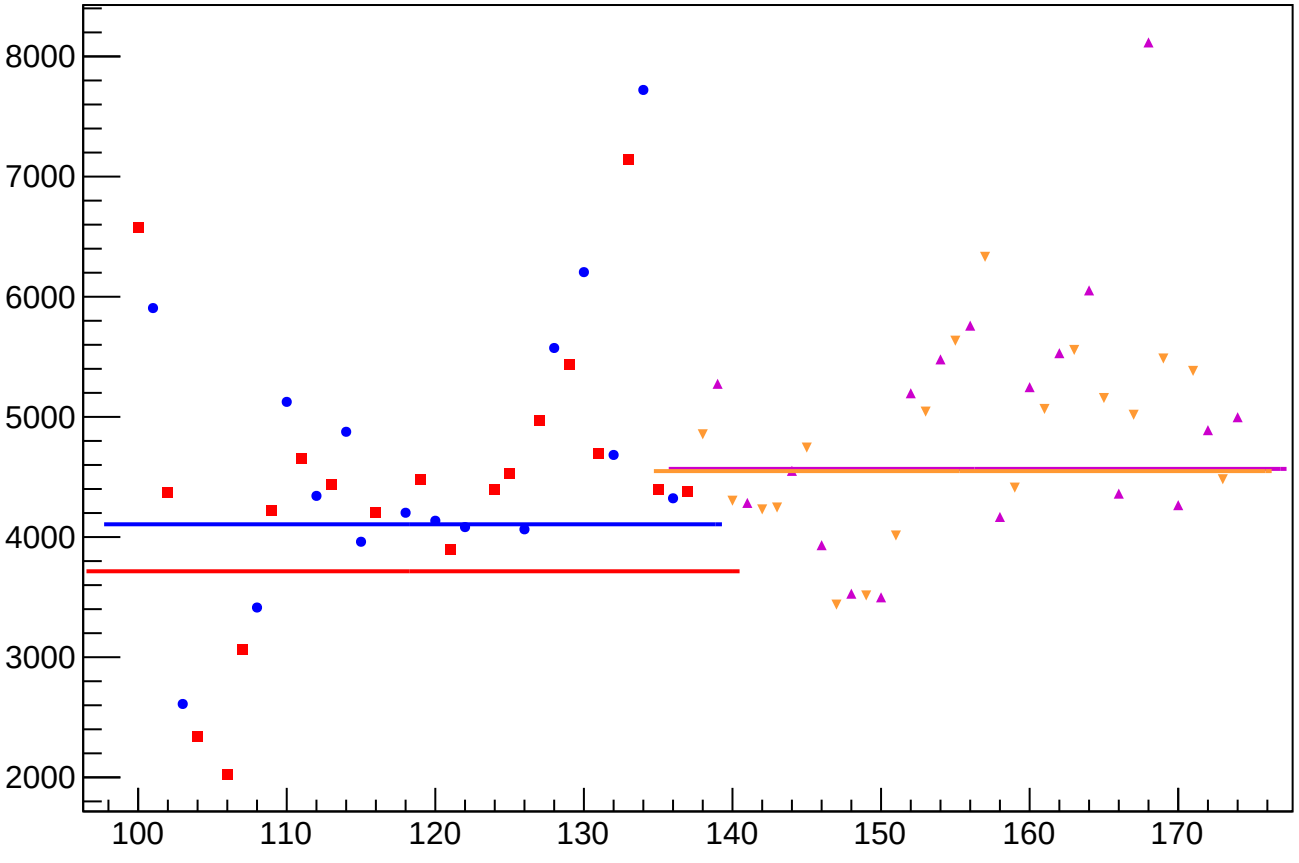
Left In: -395.053+/-1209.697 χ^2/NDF:11.7/17

\+ sign -163.589+/-955.533 χ^2/NDF: 37.1/34

All: -117.678+/-666.191 χ^2/NDF: 65.9/71

\- 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: 4548.928+/-0.847 χ^2/NDF:766552.5/18

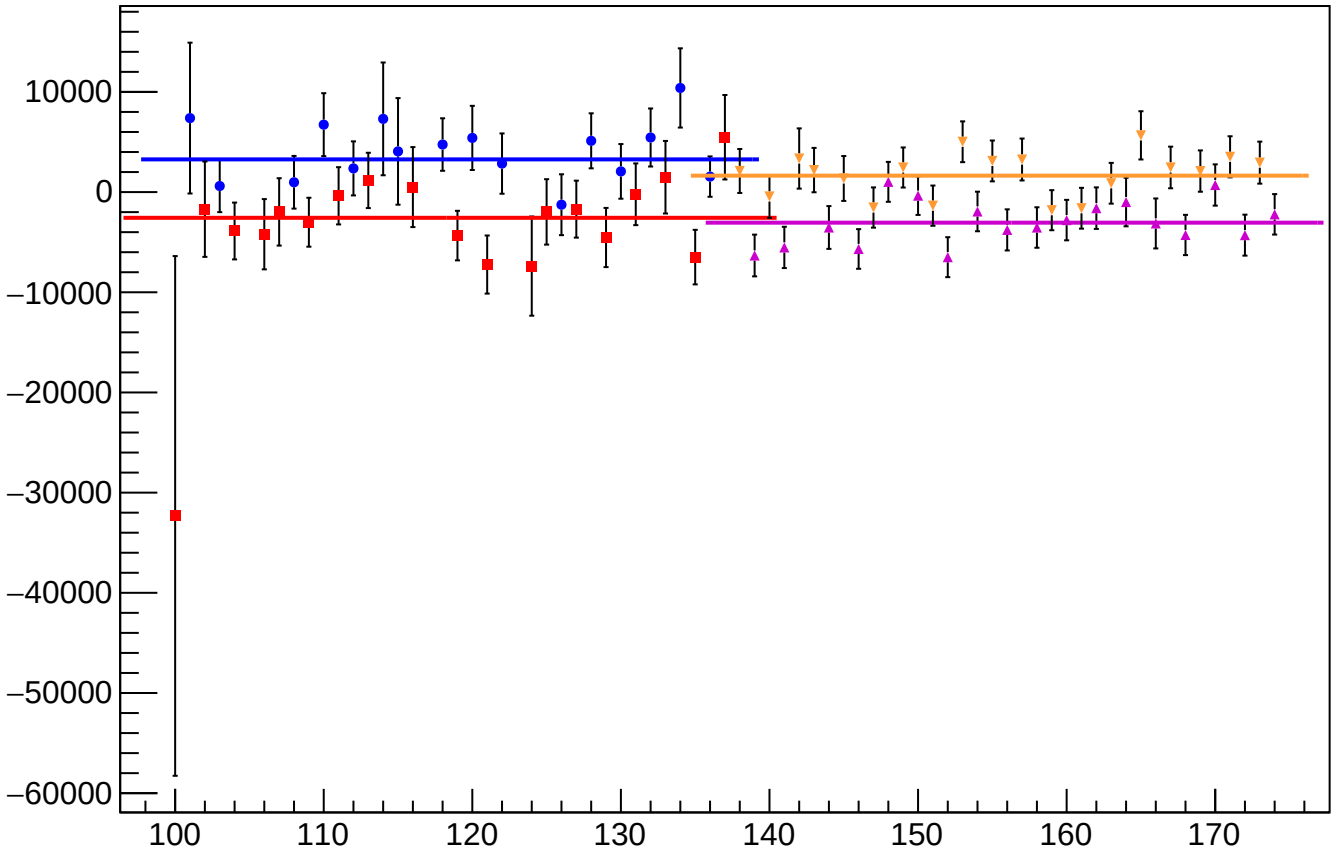
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4567.312+/-0.855 χ^2/NDF:1064410.3/17

+ sign 4388.123+/-0.676 χ^2/NDF: 1821475.8/34

All: 4300.722+/-0.471 χ^2/NDF: 4660285.0/71

- 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: 1641.122+/-486.007 χ^2/NDF:20.0/18

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

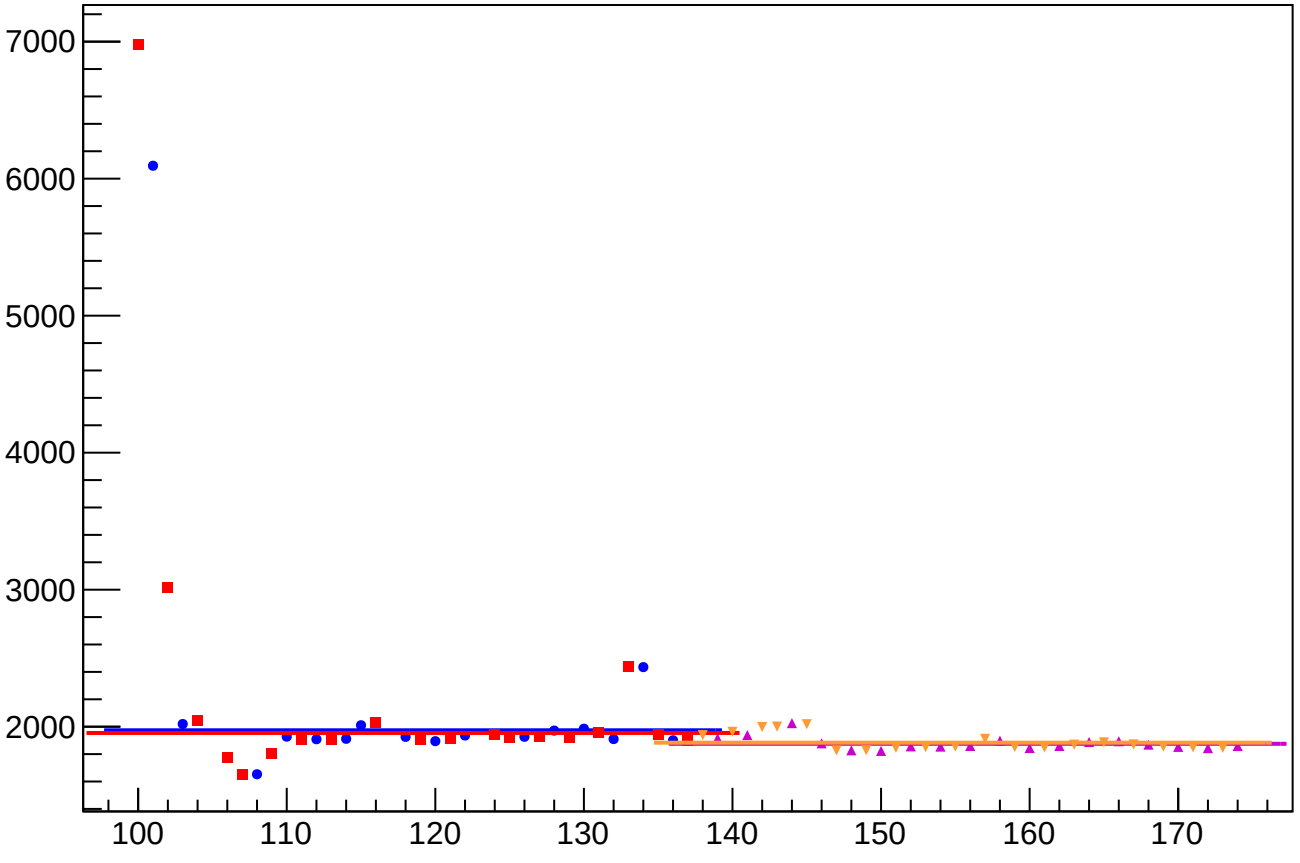
Left In: -3052.878+/-486.274 χ^2/NDF:20.8/17

+ sign 2120.471+/-407.999 χ^2/NDF: 35.5/34

All: -407.426+/-287.622 χ^2/NDF: 150.0/71

- 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: 1883.476+/-0.344 χ^2/NDF:27730.3/18

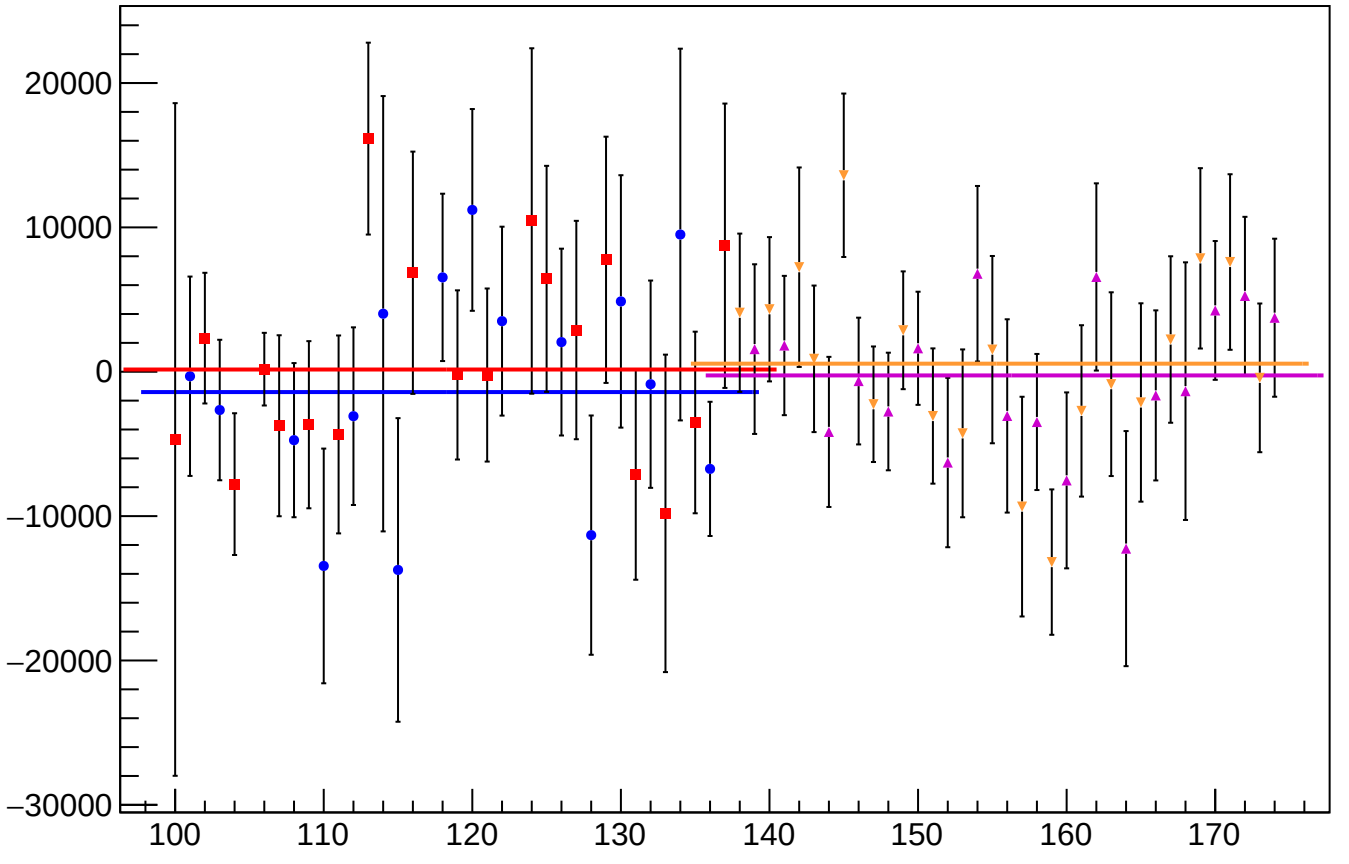
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1875.330+/-0.344 χ^2/NDF:17587.0/17

+ sign 1910.129+/-0.288 χ^2/NDF: 713227.4/34

All: 1904.740+/-0.203 χ^2/NDF: 993817.1/71

- sign 1899.419+/-0.287 χ^2/NDF: 279896.3/36



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 559.718+/-1252.808 χ^2/NDF:21.8/18

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

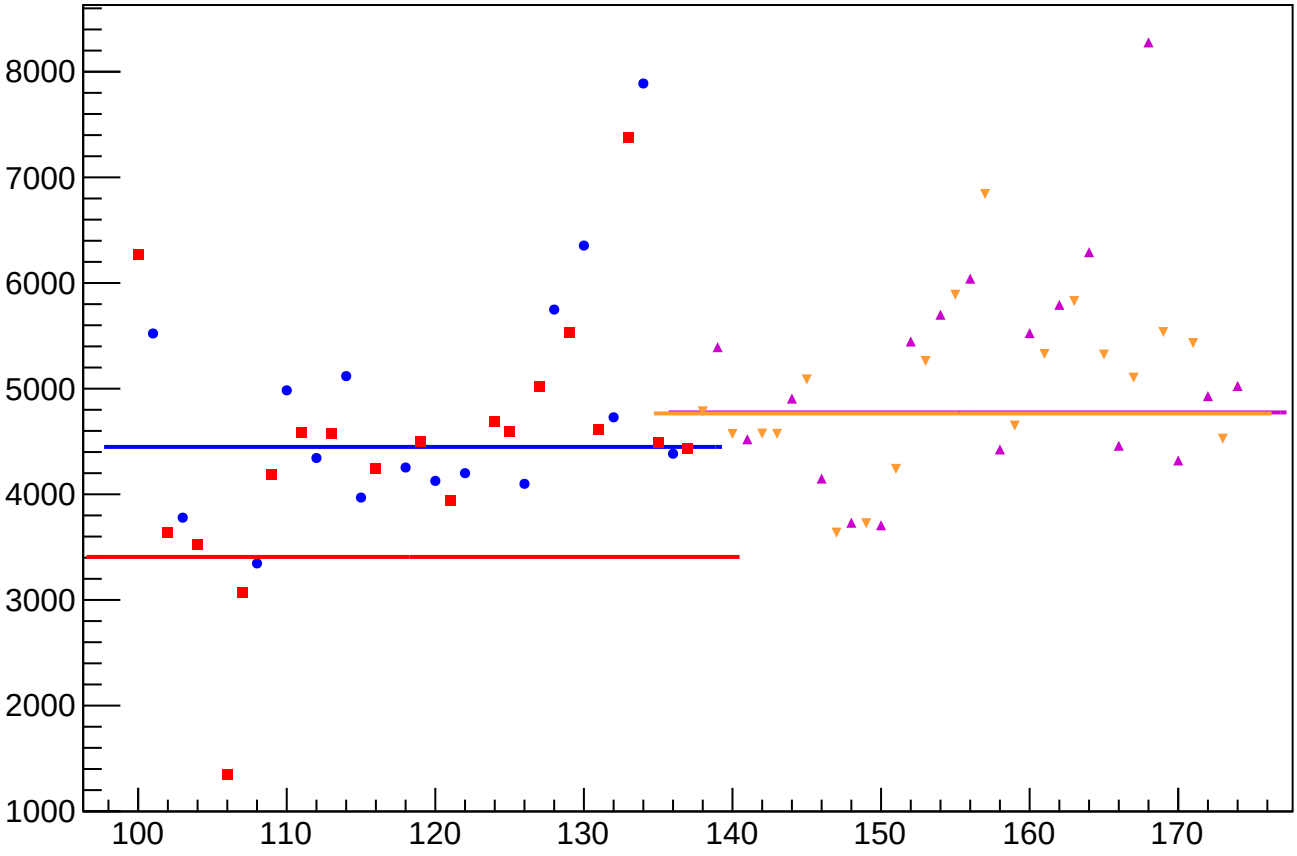
Left In: -254.278+/-1263.139 χ^2/NDF:11.7/17

+ sign -137.911+/-1006.428 χ^2/NDF: 36.9/34

All: -98.534+/-681.710 χ^2/NDF: 64.5/71

- 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: 4765.623+/-0.886 χ^2/NDF:705175.8/18

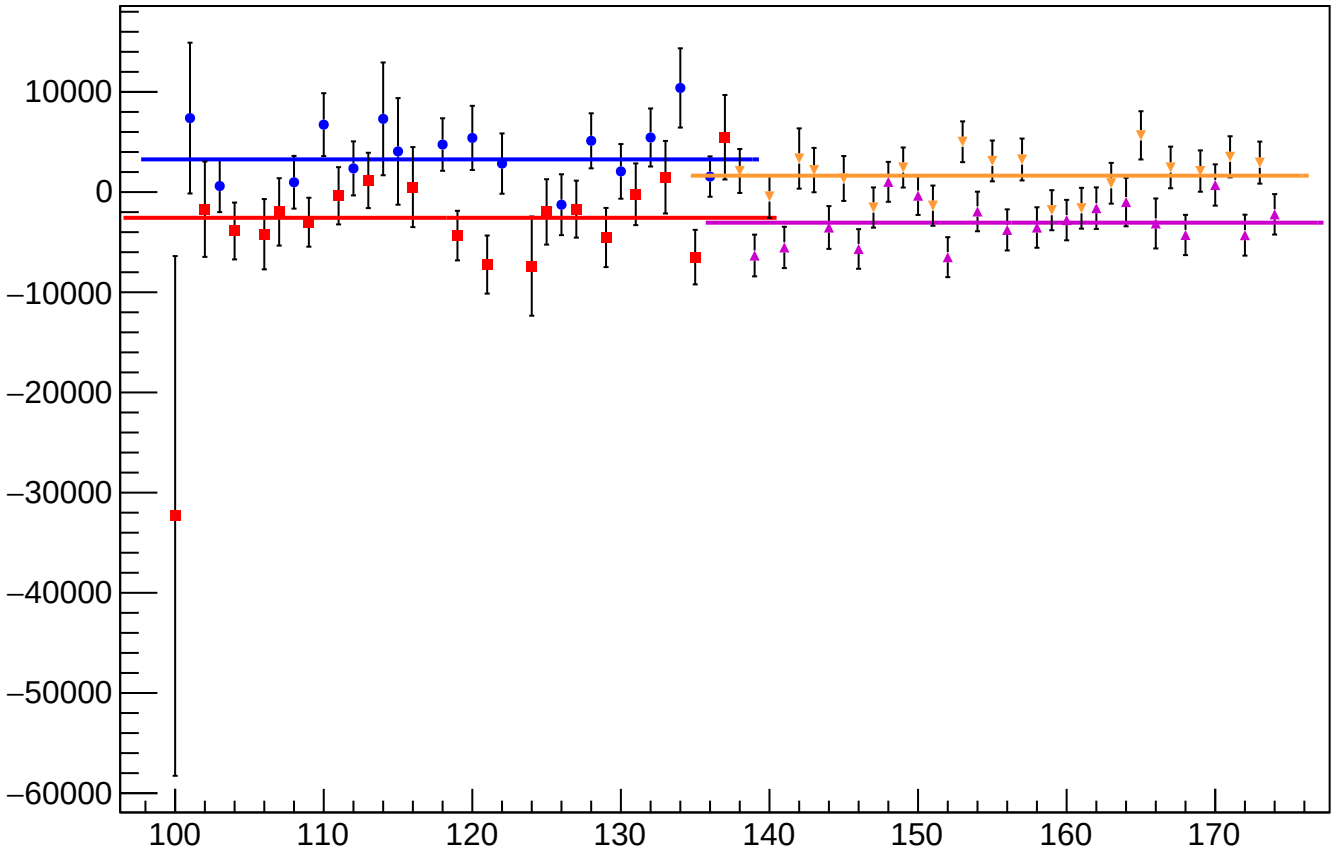
Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4775.161+/-0.893 χ^2/NDF:991294.3/17

+ sign 4653.230+/-0.712 χ^2/NDF: 1245176.7/34

All: 4377.321+/-0.482 χ^2/NDF: 5923630.6/71

- sign 4143.410+/-0.655 χ^2/NDF: 4400708.0/36



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1641.117+/-486.007 χ^2/NDF:20.0/18

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

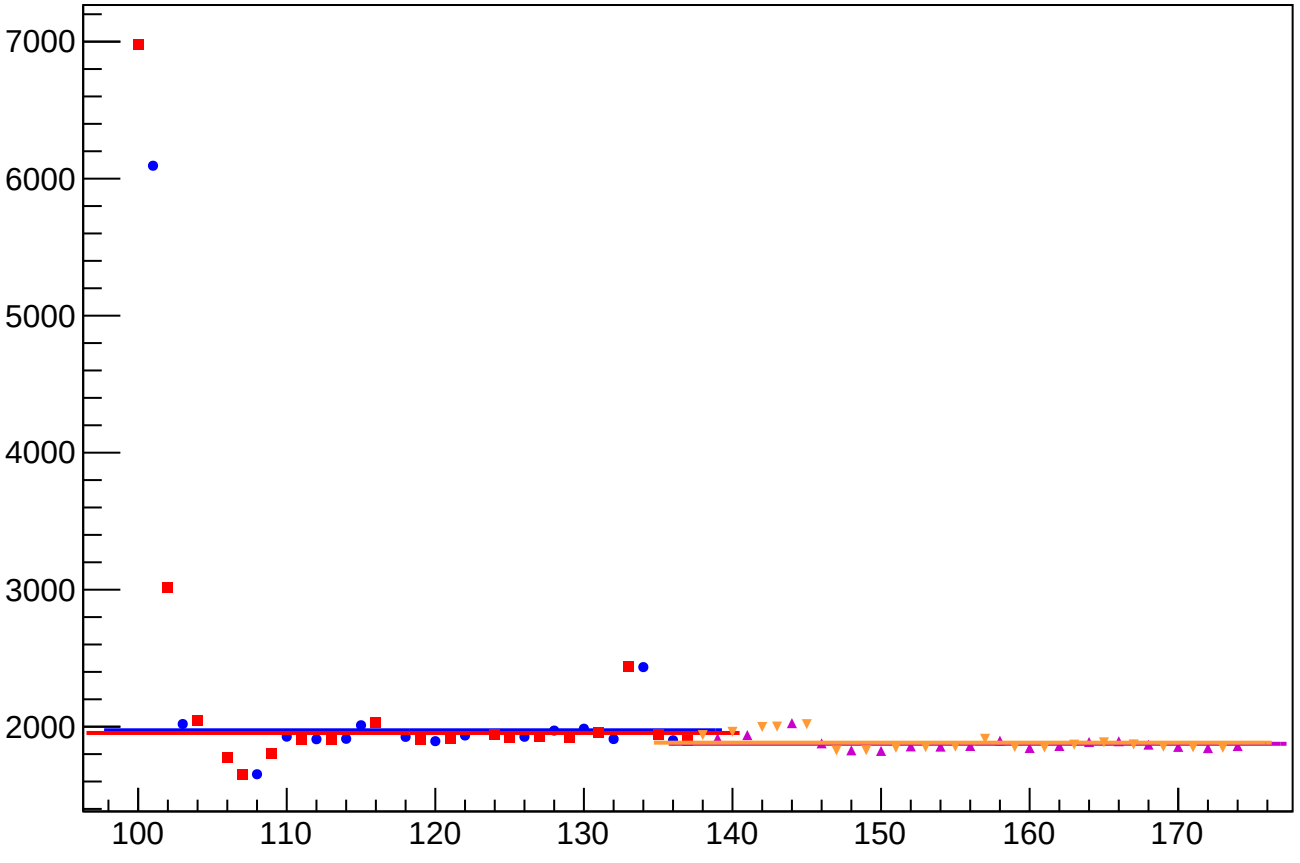
Left In: -3052.880+/-486.275 χ^2/NDF:20.8/17

+ sign 2120.469+/-407.999 χ^2/NDF: 35.5/34

All: -407.429+/-287.622 χ^2/NDF: 150.0/71

- 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: 1883.476+/-0.344 χ^2/NDF:27730.5/18

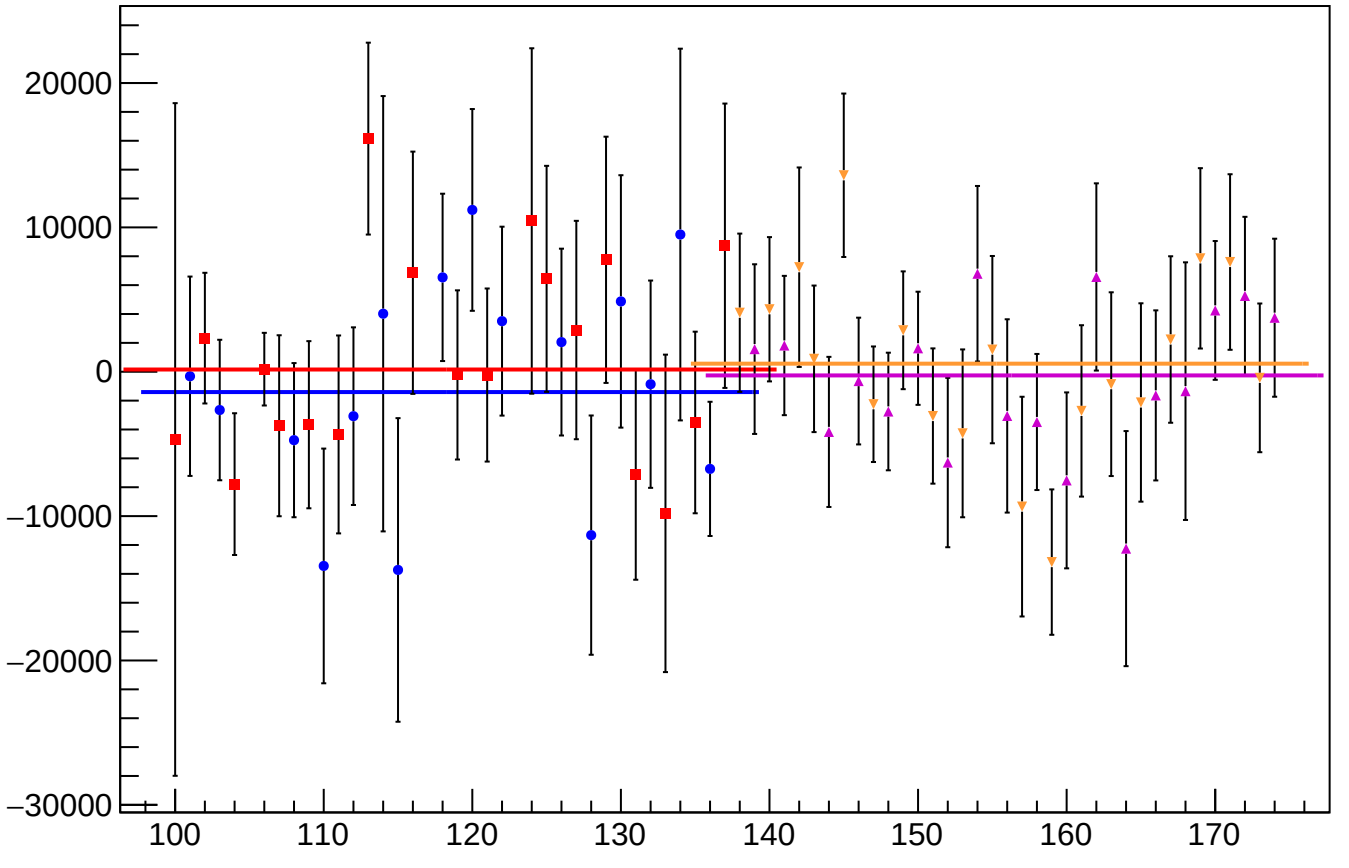
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1875.330+/-0.344 χ^2/NDF:17587.1/17

+ sign 1910.129+/-0.288 χ^2/NDF: 713227.0/34

All: 1904.740+/-0.203 χ^2/NDF: 993815.8/71

- 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: 559.716+/-1252.810 χ^2/NDF:21.8/18

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

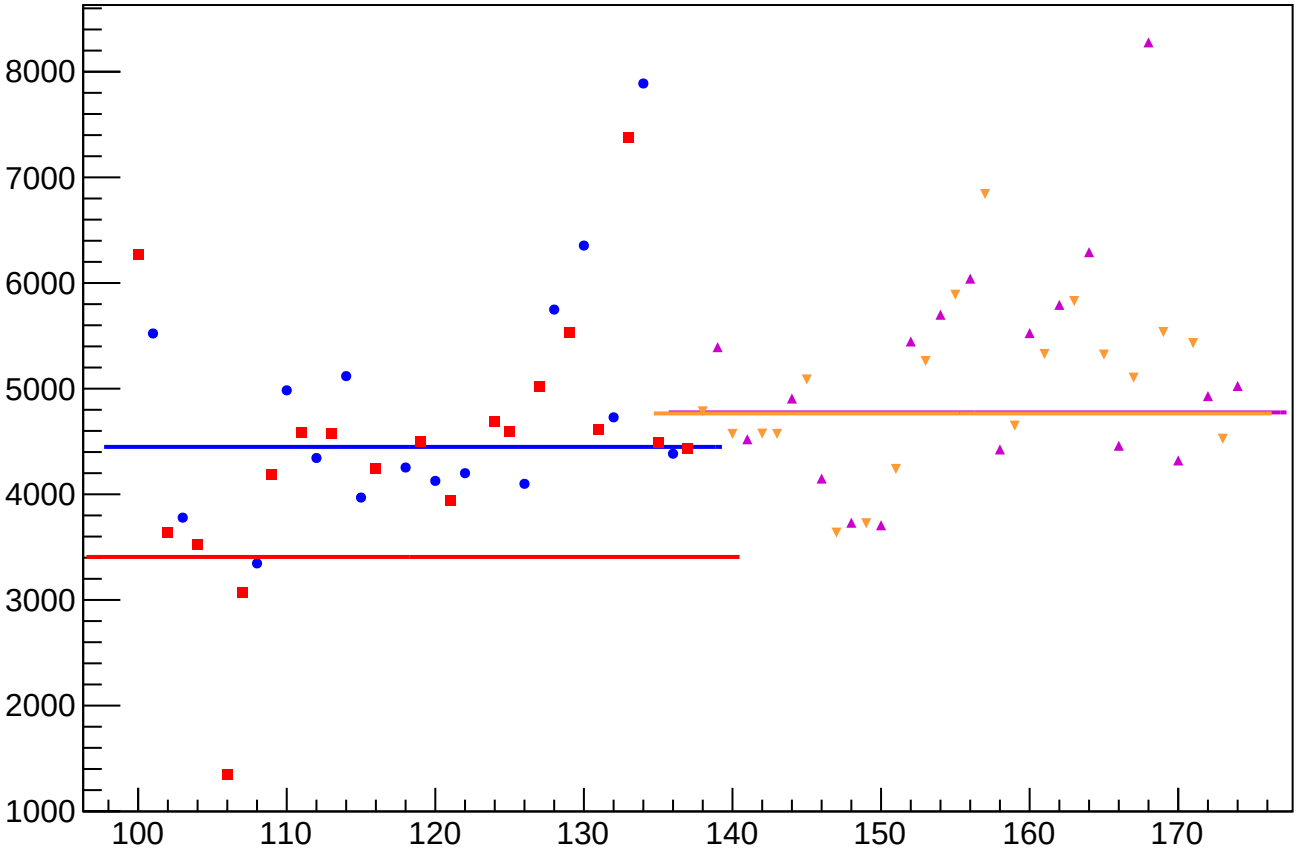
Left In: -254.276+/-1263.141 χ^2/NDF:11.7/17

\+ sign -137.908+/-1006.428 χ^2/NDF: 36.9/34

All: -98.531+/-681.710 χ^2/NDF: 64.5/71

\- 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: 4765.630+/-0.886 χ^2/NDF:705175.5/18

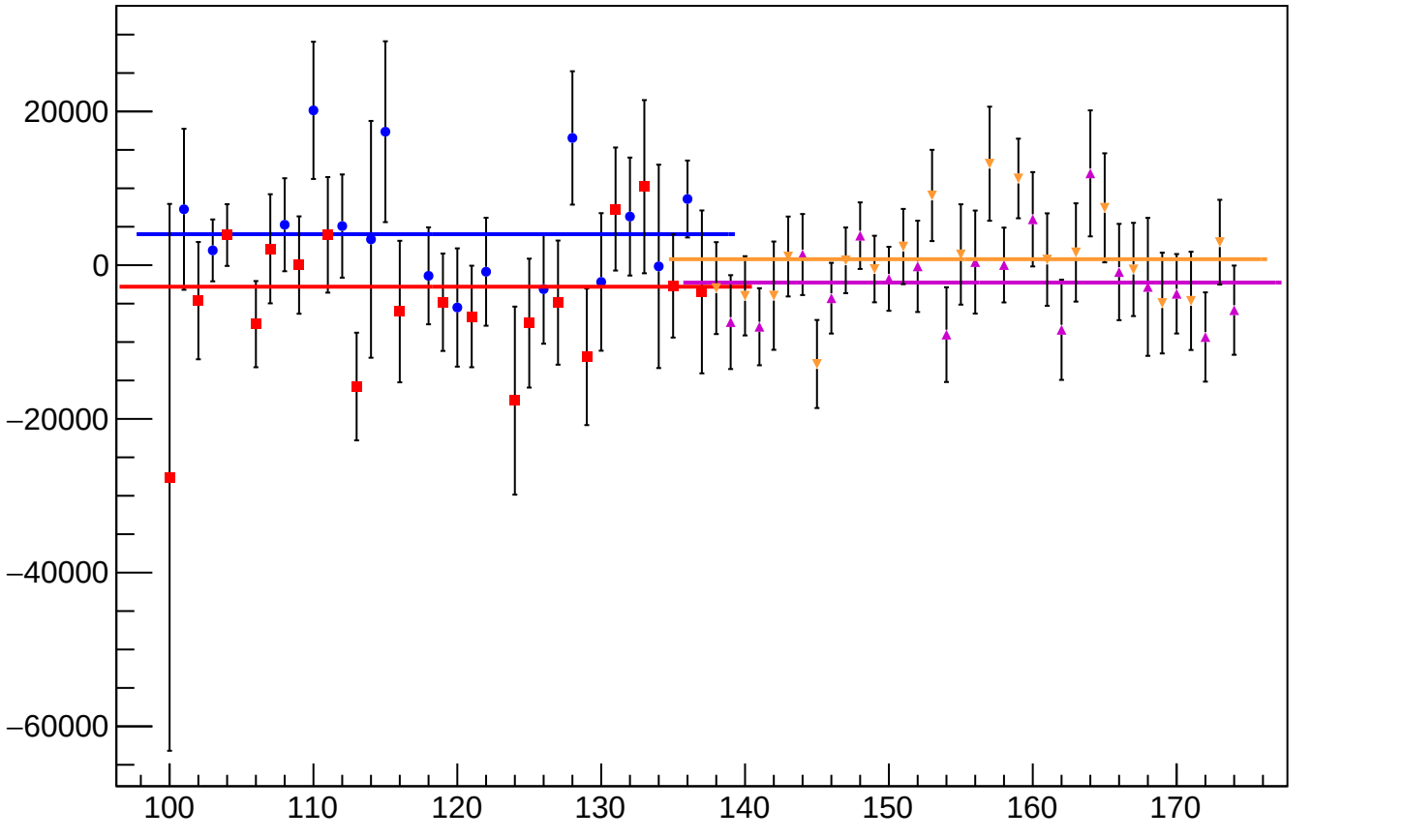
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4775.168+/-0.893 χ^2/NDF:991294.5/17

+ sign 4653.232+/-0.712 χ^2/NDF: 1245177.7/34

All: 4377.321+/-0.482 χ^2/NDF: 5923665.4/71

- 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: 779.278+/-1301.703 χ^2/NDF:19.0/18

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

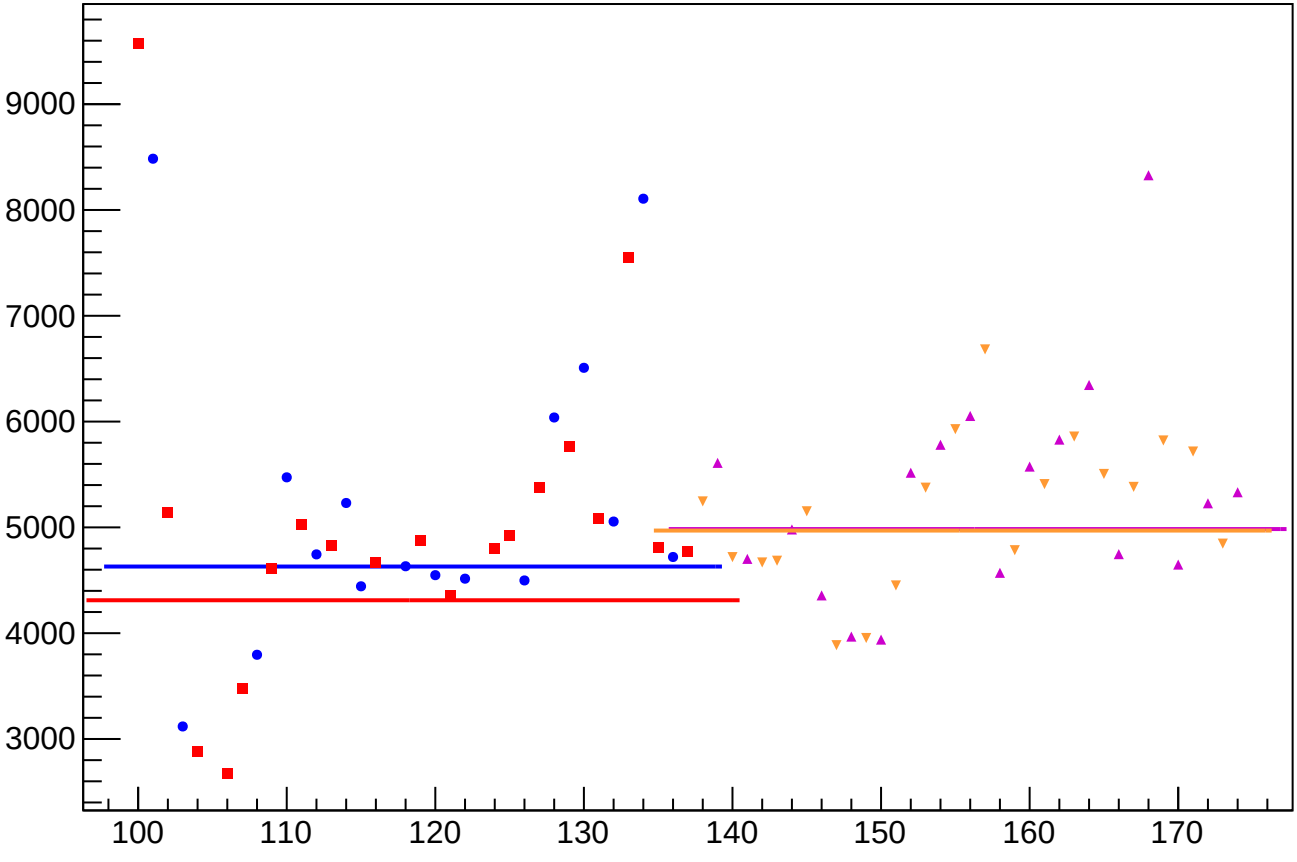
Left In: -2258.996+/-1313.519 χ^2/NDF:14.1/17

+ sign 1911.885+/-1051.138 χ^2/NDF: 33.6/34

All: -315.264+/-736.724 χ^2/NDF: 72.0/71

- sign -2465.689+/-1032.874 χ^2/NDF: 29.6/36

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4969.992+/-0.920 χ^2/NDF:575141.0/18

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

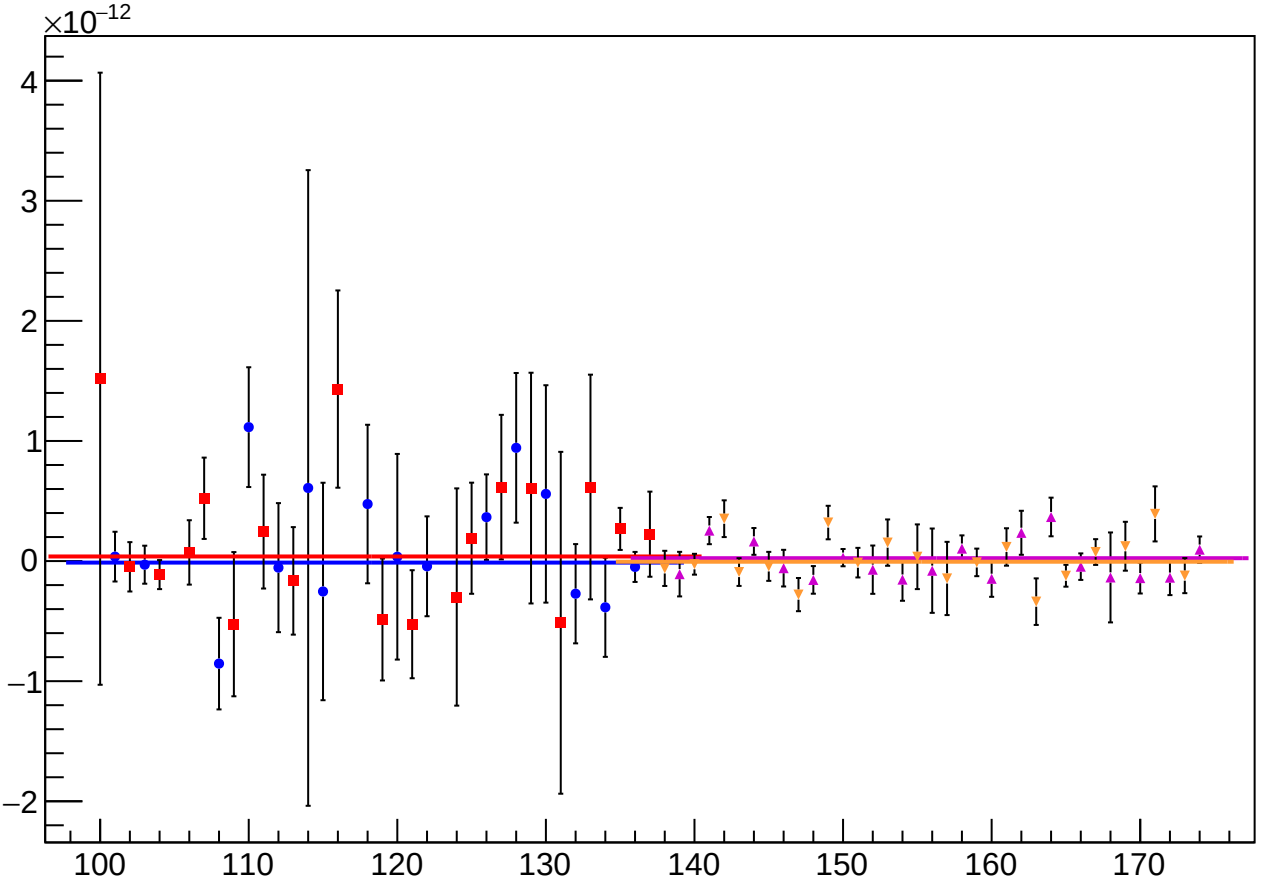
Left In: 4984.173+/-0.929 χ^2/NDF:822380.5/17

+ sign 4851.688+/-0.743 χ^2/NDF: 1522868.1/34

All: 4786.799+/-0.520 χ^2/NDF: 3467436.8/71

- 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:26.5/18

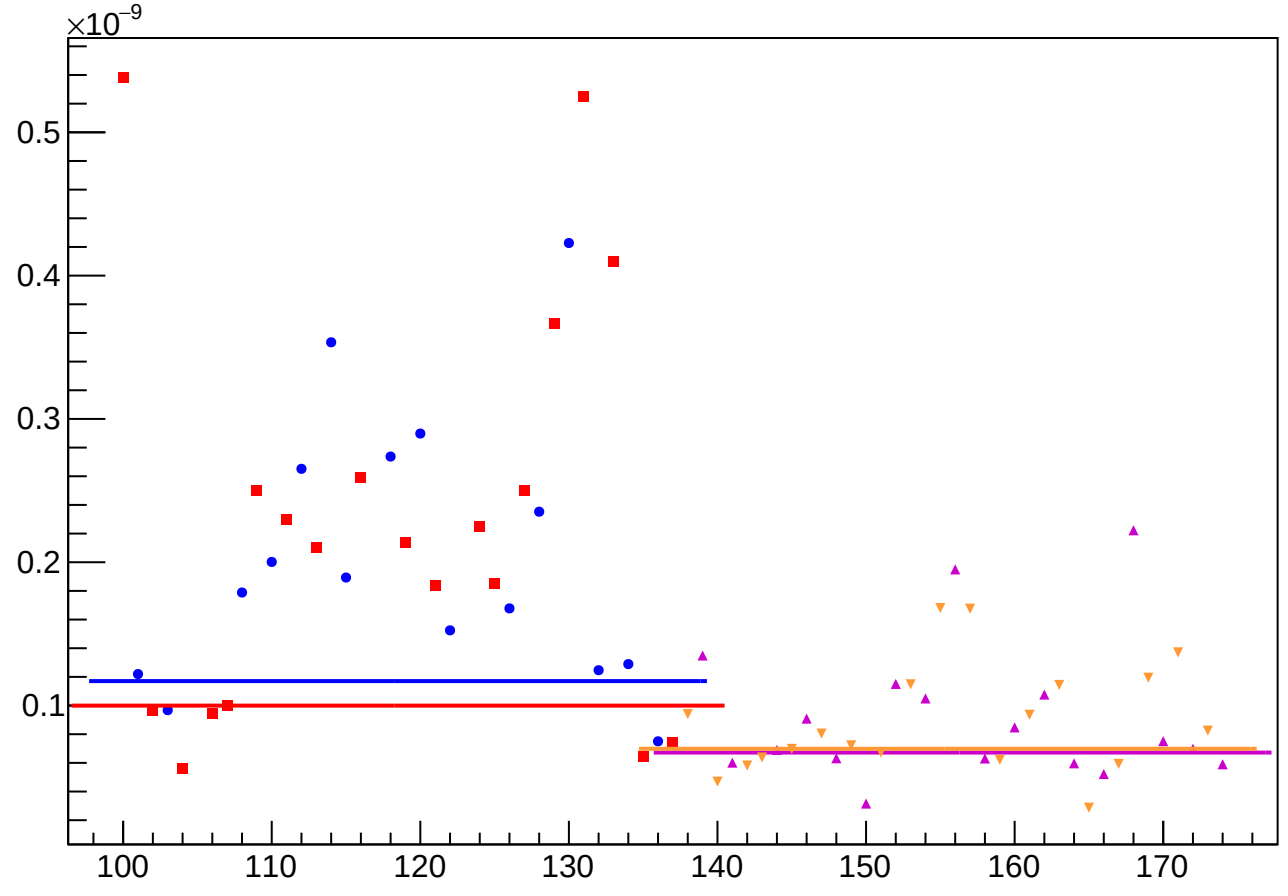
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:21.9/17

+ sign -0.000+/-0.000 χ^2/NDF: 42.4/34

All: 0.000+/-0.000 χ^2/NDF: 79.9/71

- sign 0.000+/-0.000 χ^2/NDF: 36.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1699671.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

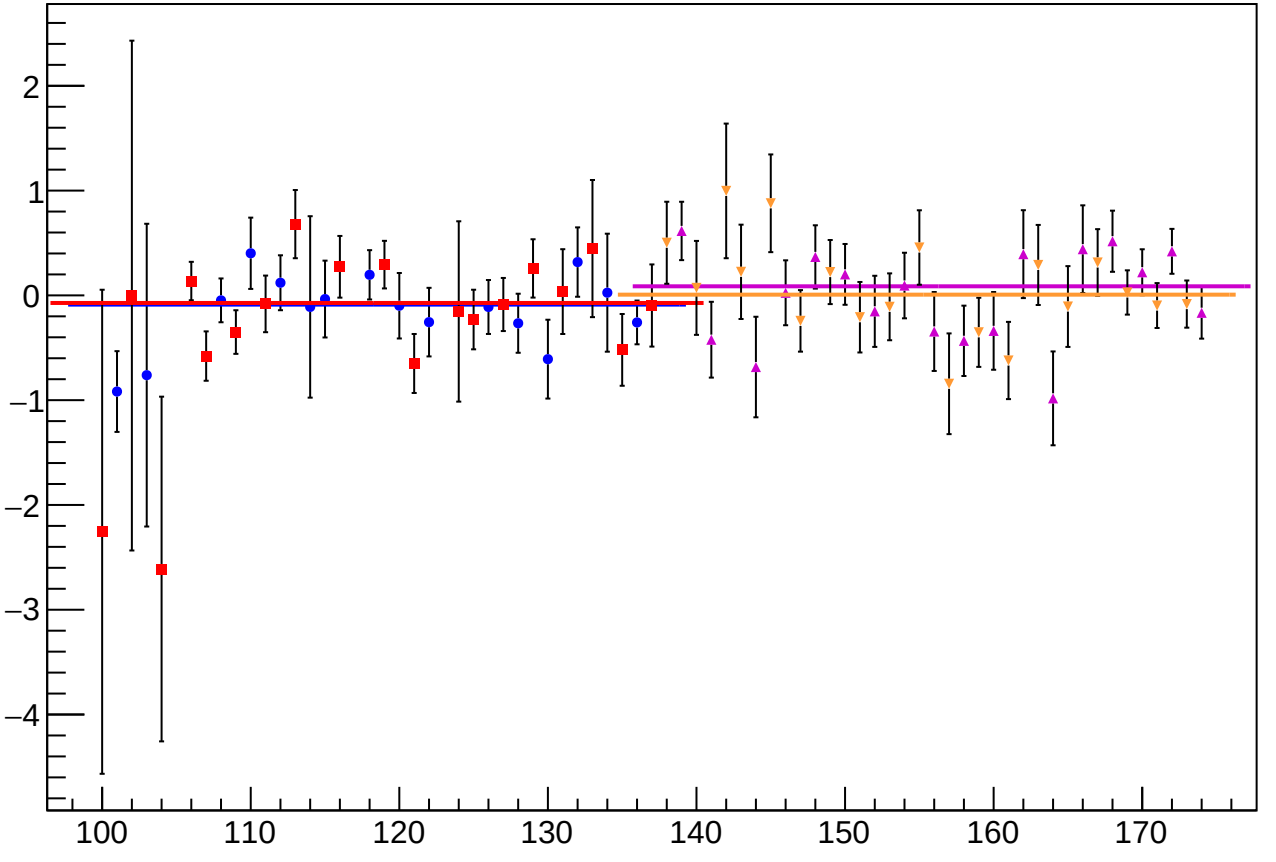
Left In: 0.000+/-0.000 χ^2/NDF:1816717.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 3469674.5/34

All: 0.000+/-0.000 χ^2/NDF: 7498935.8/71

- 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: 0.007+/-0.074 χ^2/NDF:20.3/18

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

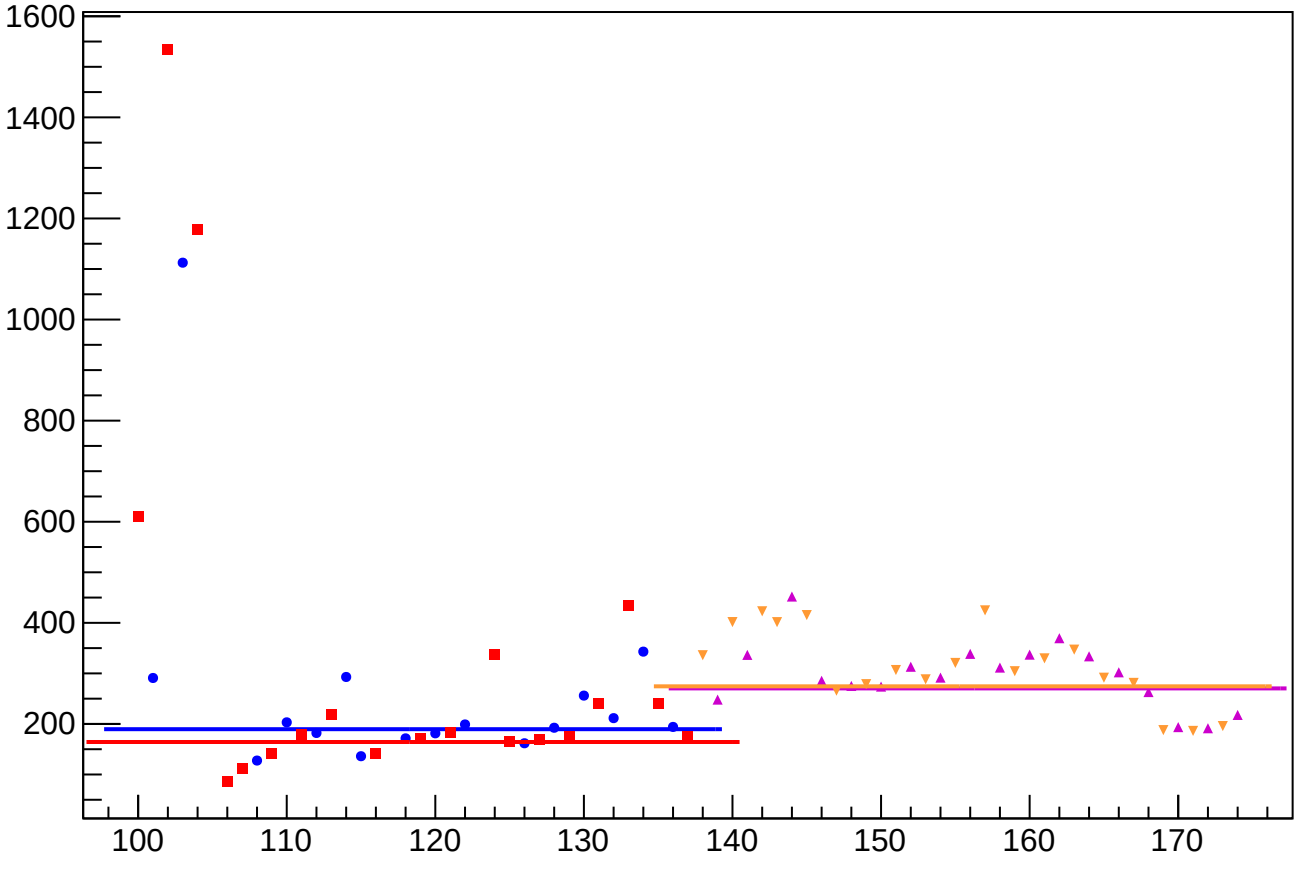
Left In: 0.087+/-0.073 χ^2/NDF:27.7/17

+ sign -0.039+/-0.053 χ^2/NDF: 34.9/34

All: -0.016+/-0.037 χ^2/NDF: 94.1/71

- 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: 274.413+/-0.053 χ^2/NDF:1969995.4/18

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

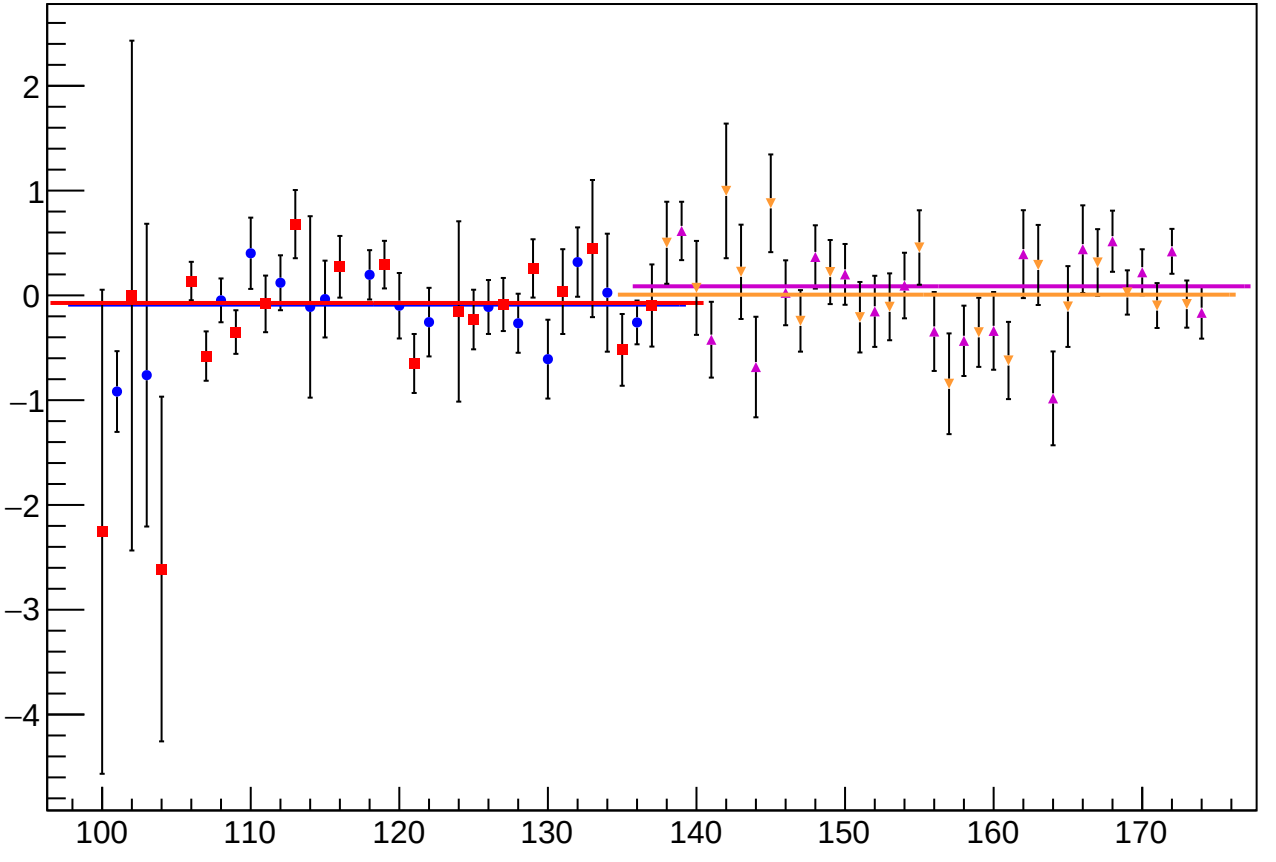
Left In: 270.301+/-0.052 χ^2/NDF:1344329.3/17

+ sign 233.341+/-0.038 χ^2/NDF: 4693200.2/34

All: 223.682+/-0.026 χ^2/NDF: 11000022.7/71

- 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: 0.007+/-0.074 χ^2/NDF:20.3/18

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

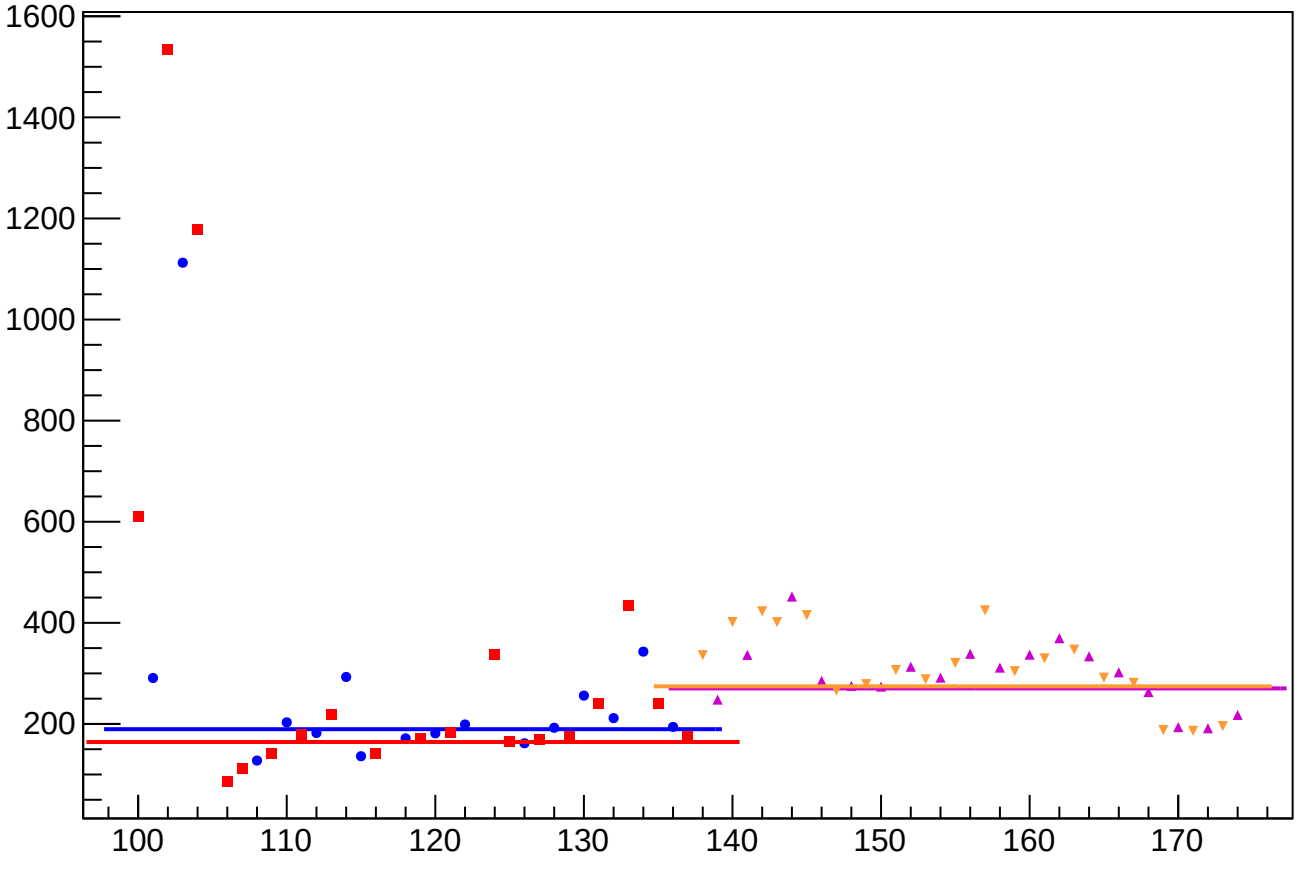
Left In: 0.087+/-0.073 χ^2/NDF:27.7/17

+ sign -0.039+/-0.053 χ^2/NDF: 34.9/34

All: -0.016+/-0.037 χ^2/NDF: 94.1/71

- 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: 274.413+/-0.053 χ^2/NDF:1969995.4/18

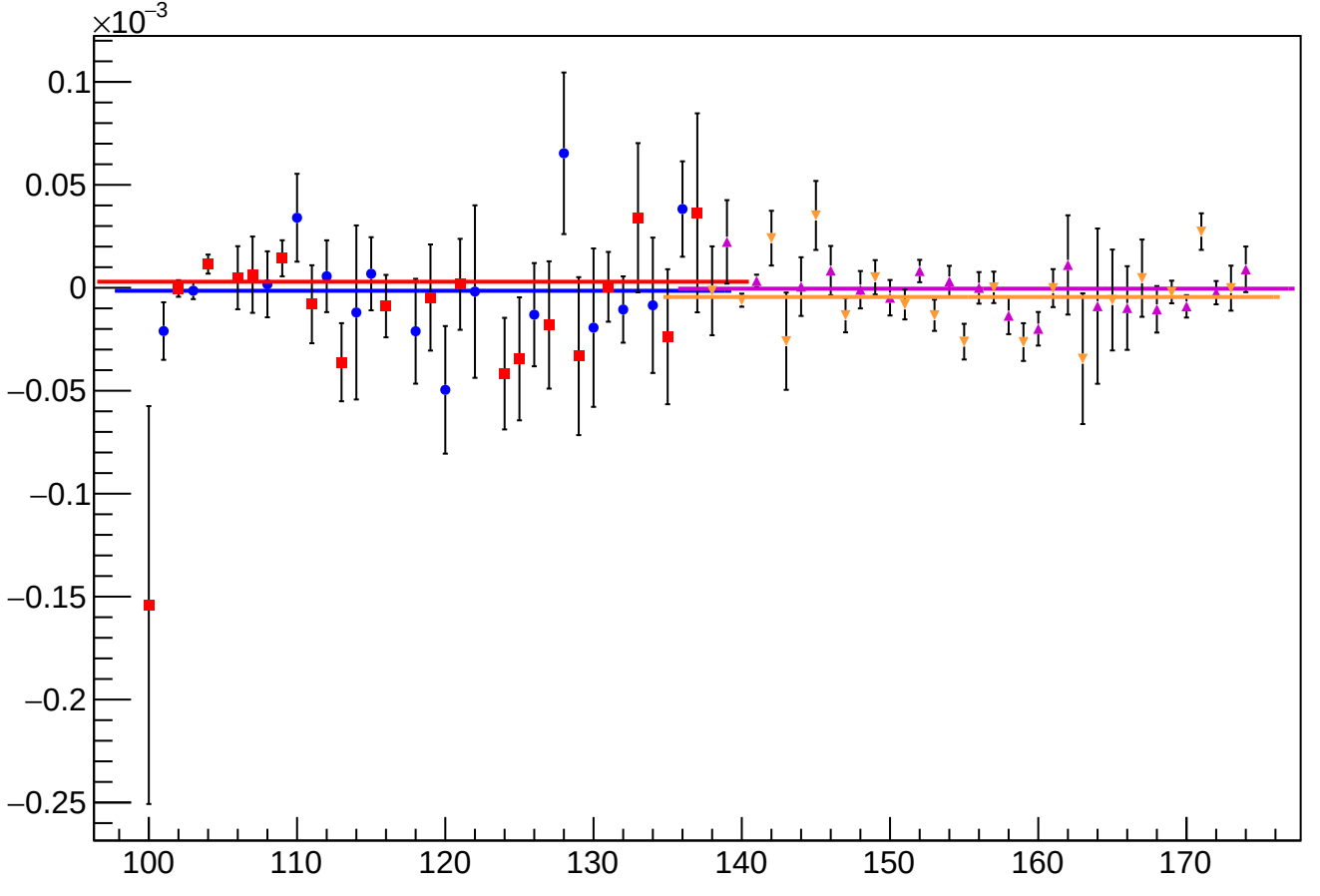
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 270.301+/-0.052 χ^2/NDF:1344329.3/17

+ sign 233.341+/-0.038 χ^2/NDF: 4693200.2/34

All: 223.682+/-0.026 χ^2/NDF: 11000022.7/71

- 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:42.2/18

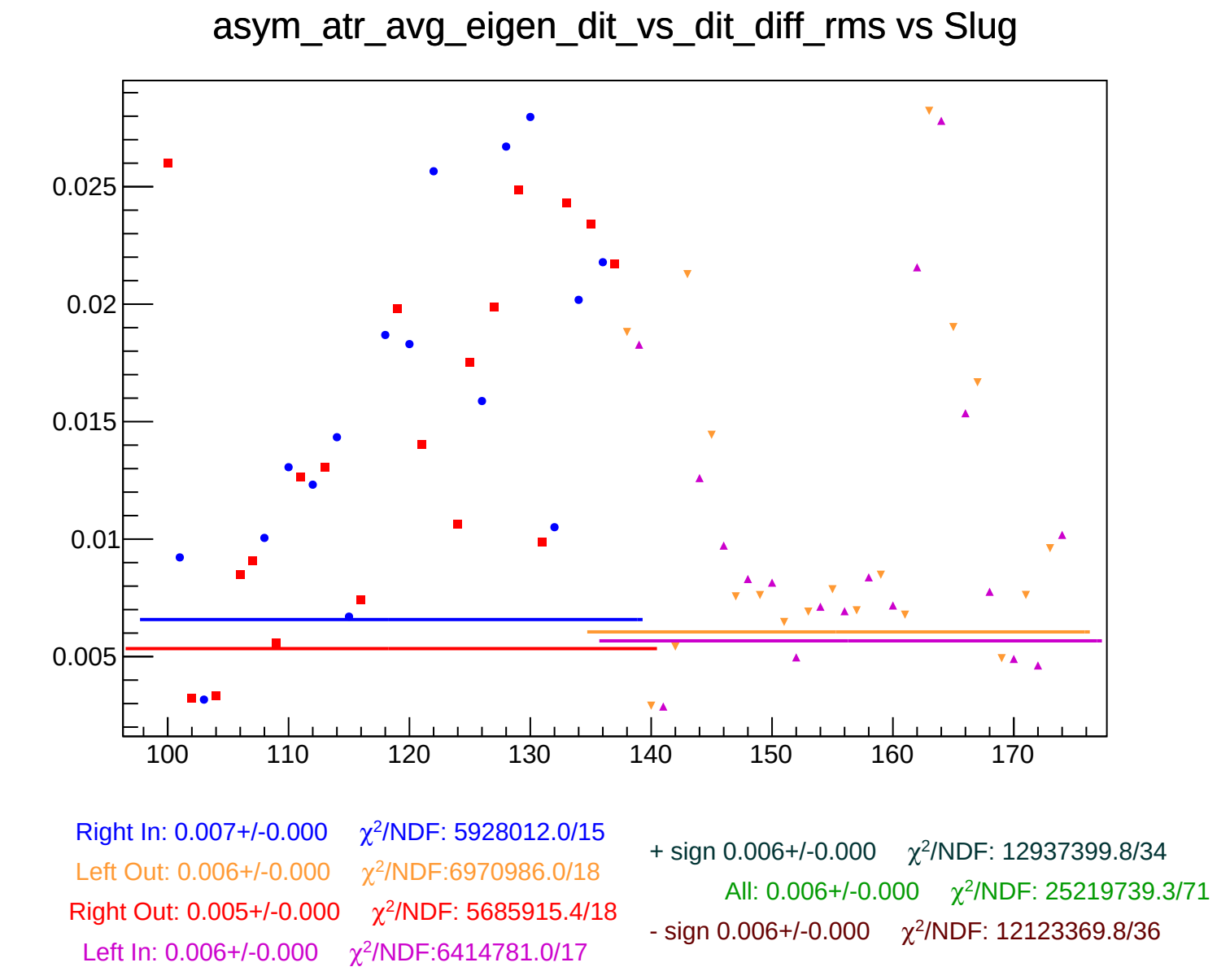
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.7/17

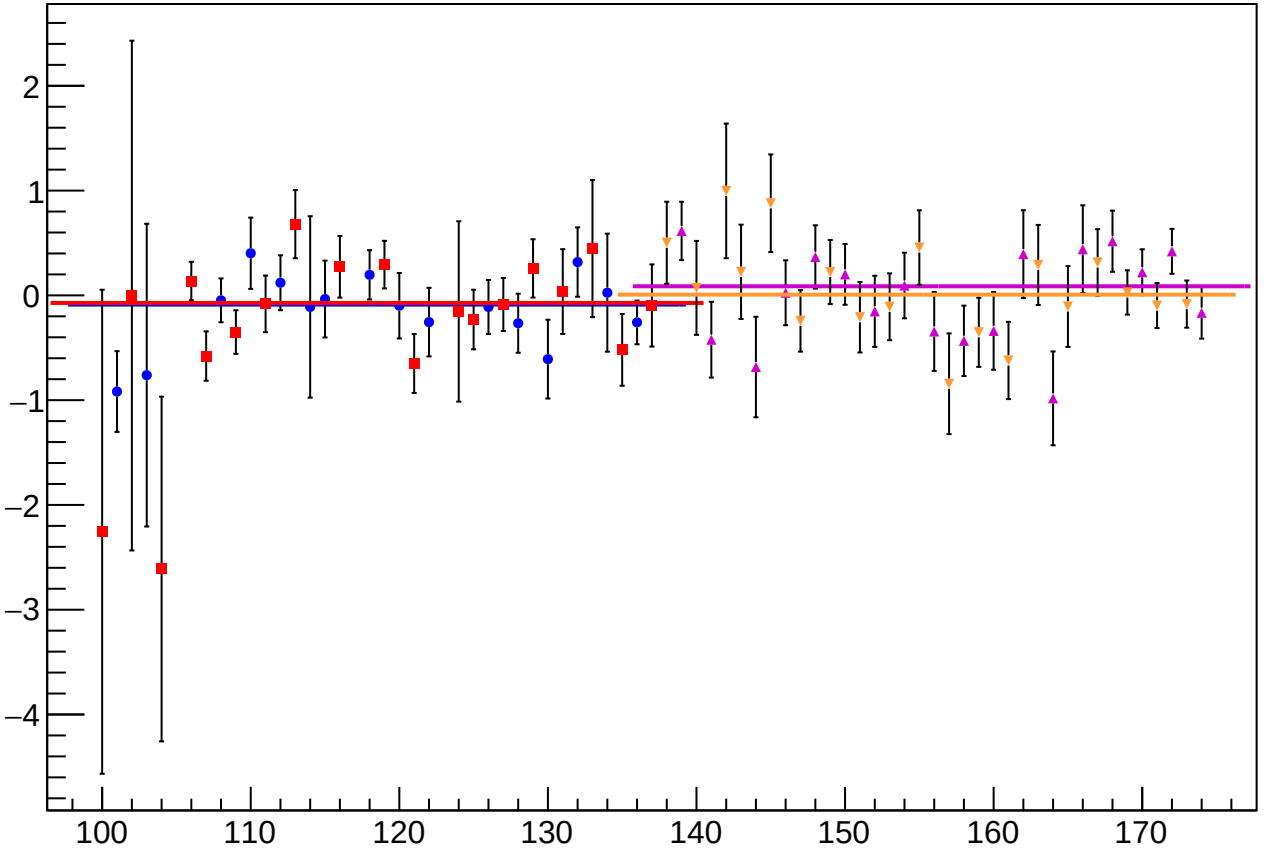
+ sign -0.000+/-0.000 χ^2/NDF: 57.7/34

All: -0.000+/-0.000 χ^2/NDF: 103.0/71

- sign 0.000+/-0.000 χ^2/NDF: 41.2/36


asym_atr_avg_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: 0.007+/-0.000 χ²/NDF: 5928012.0/15
Left Out: 0.006+/-0.000 χ²/NDF:6970986.0/18
Right Out: 0.005+/-0.000 χ²/NDF: 5685915.4/18
Left In: 0.006+/-0.000 χ²/NDF:6414781.0/17
+ sign 0.006+/-0.000 χ²/NDF: 12937399.8/34
All: 0.006+/-0.000 χ²/NDF: 25219739.3/71
- sign 0.006+/-0.000 χ²/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: 0.007+/-0.074 χ^2/NDF:20.3/18

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

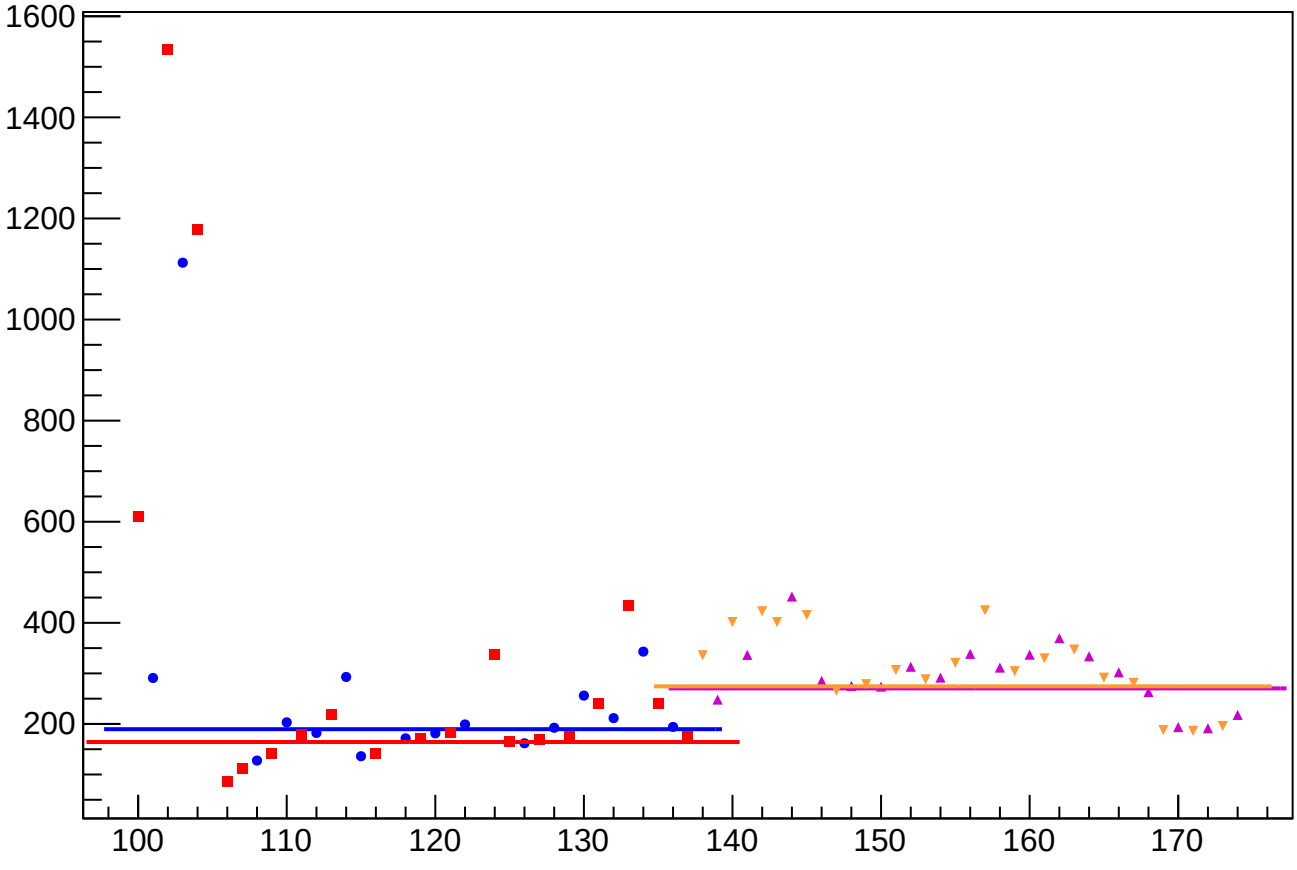
Left In: 0.087+/-0.073 χ^2/NDF:27.7/17

+ sign -0.039+/-0.053 χ^2/NDF: 34.9/34

All: -0.016+/-0.037 χ^2/NDF: 94.1/71

- 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: 274.415+/-0.053 χ^2/NDF:1970086.2/18

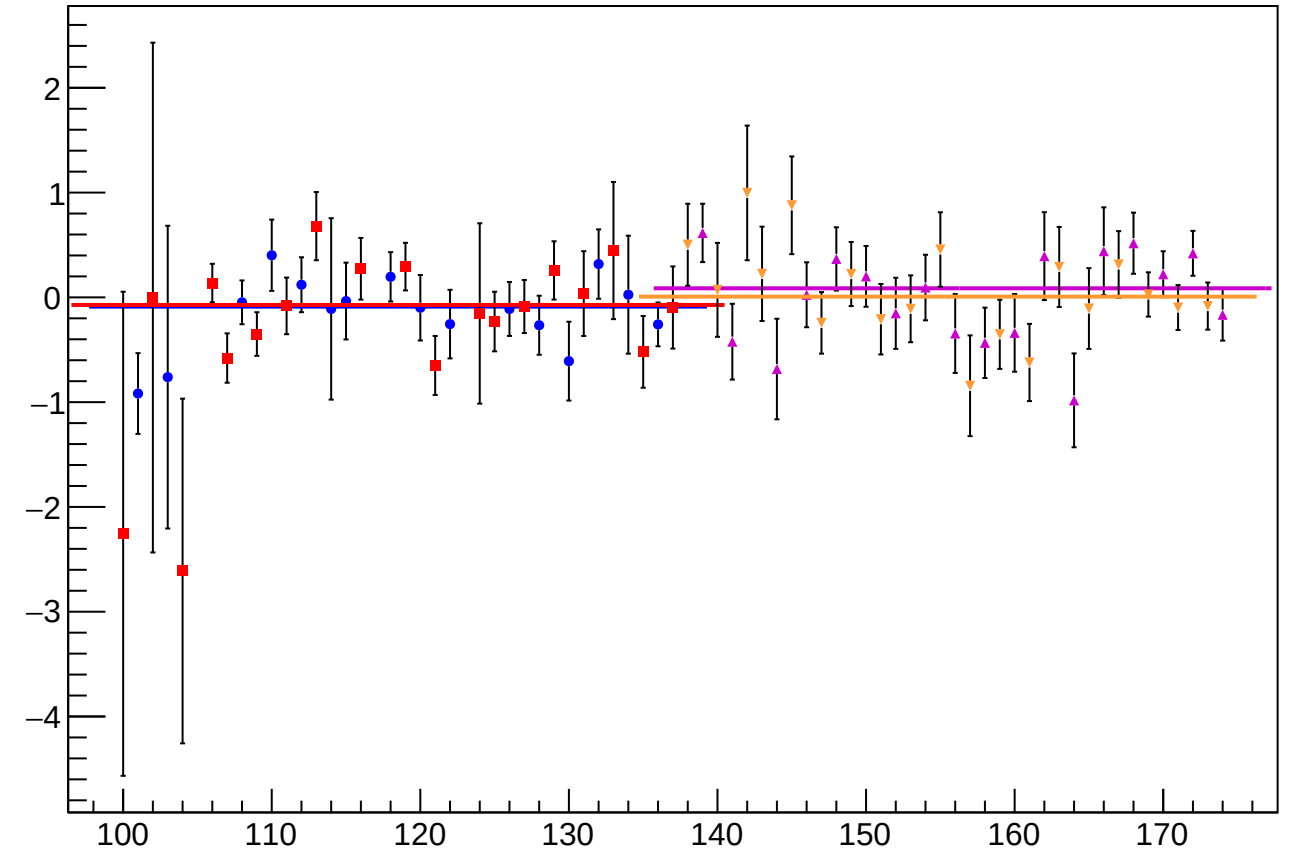
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 270.304+/-0.052 χ^2/NDF:1344378.8/17

+ sign 233.341+/-0.038 χ^2/NDF: 4693360.7/34

All: 223.682+/-0.026 χ^2/NDF: 11000341.7/71

- sign 215.037+/-0.036 χ^2/NDF: 6183129.8/36



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.007+/-0.074 χ^2/NDF:20.3/18

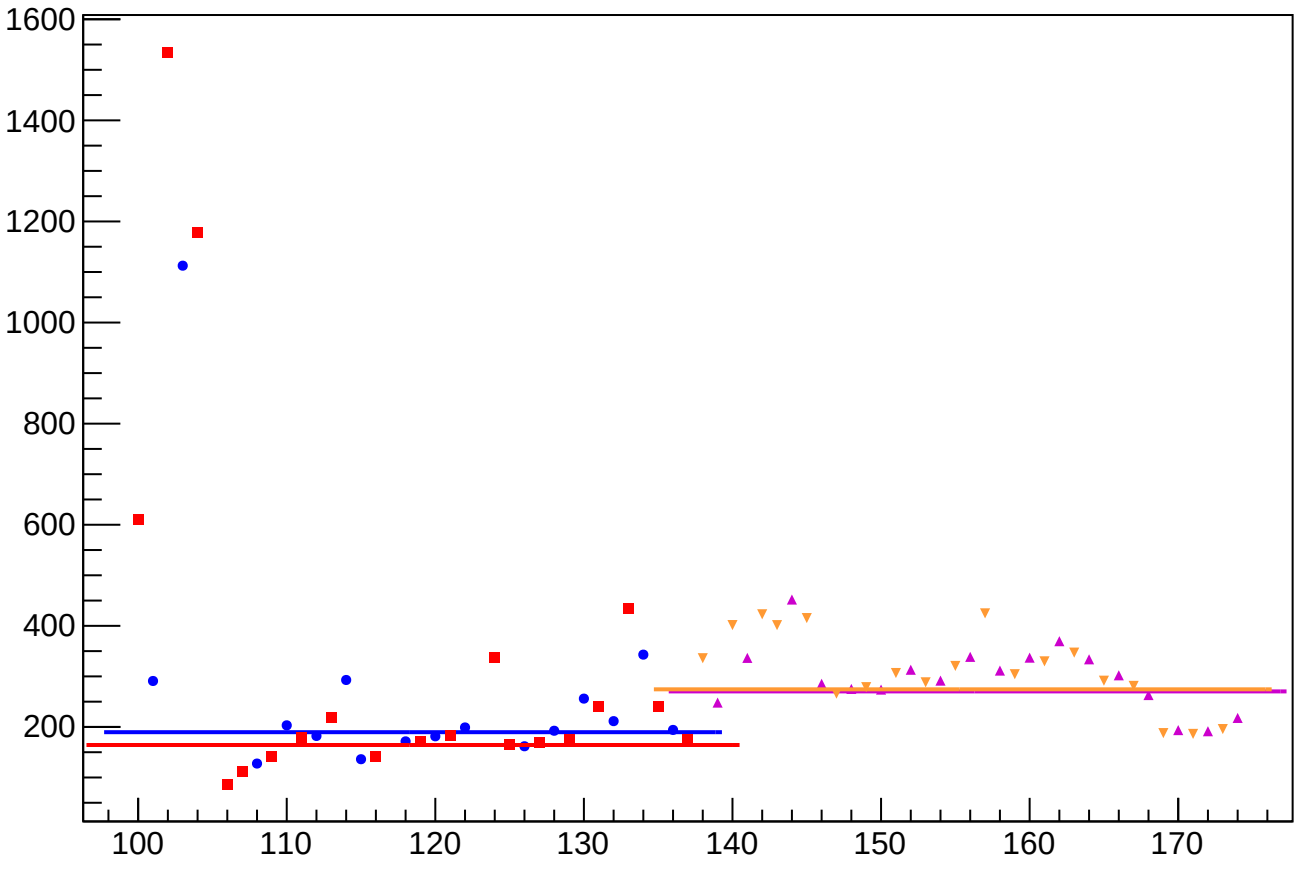
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

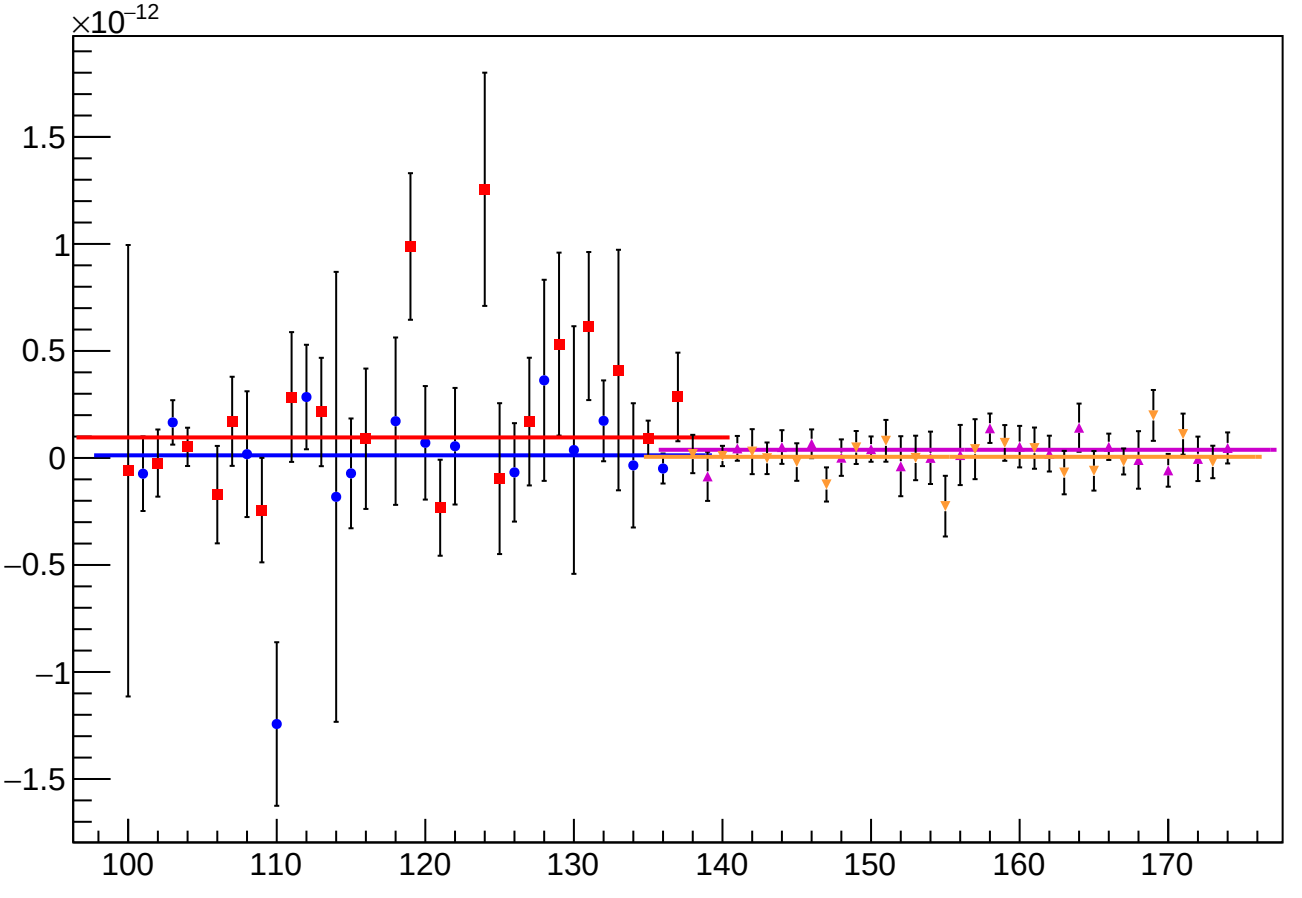
Left In: 0.087+/-0.073 χ^2/NDF:27.7/17

+ sign -0.039+/-0.053 χ^2/NDF: 34.9/34

All: -0.016+/-0.037 χ^2/NDF: 94.1/71

- sign 0.004+/-0.051 χ^2/NDF: 58.8/36


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 189.628+/-0.054 χ²/NDF: 1465464.1/15
Left Out: 274.415+/-0.053 χ²/NDF:1970086.2/18
Right Out: 164.286+/-0.050 χ²/NDF: 2643465.6/18
Left In: 270.304+/-0.052 χ²/NDF:1344378.8/17
+ sign 233.341+/-0.038 χ²/NDF: 4693360.7/34
All: 223.682+/-0.026 χ²/NDF: 11000341.7/71
- sign 215.037+/-0.036 χ²/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:12.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

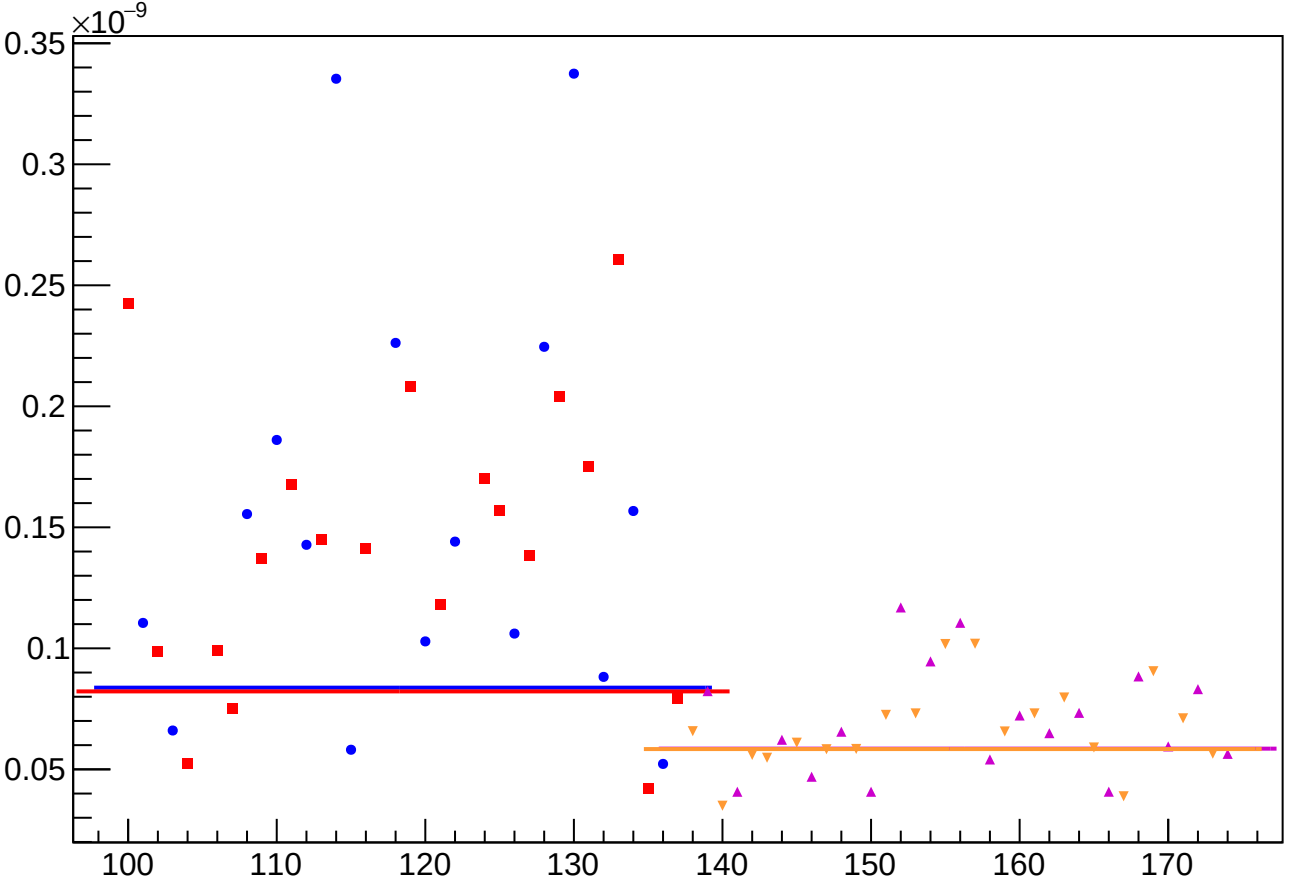
Left In: 0.000+/-0.000 χ^2/NDF:7.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 29.4/34

All: 0.000+/-0.000 χ^2/NDF: 63.6/71

- 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:1510827.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

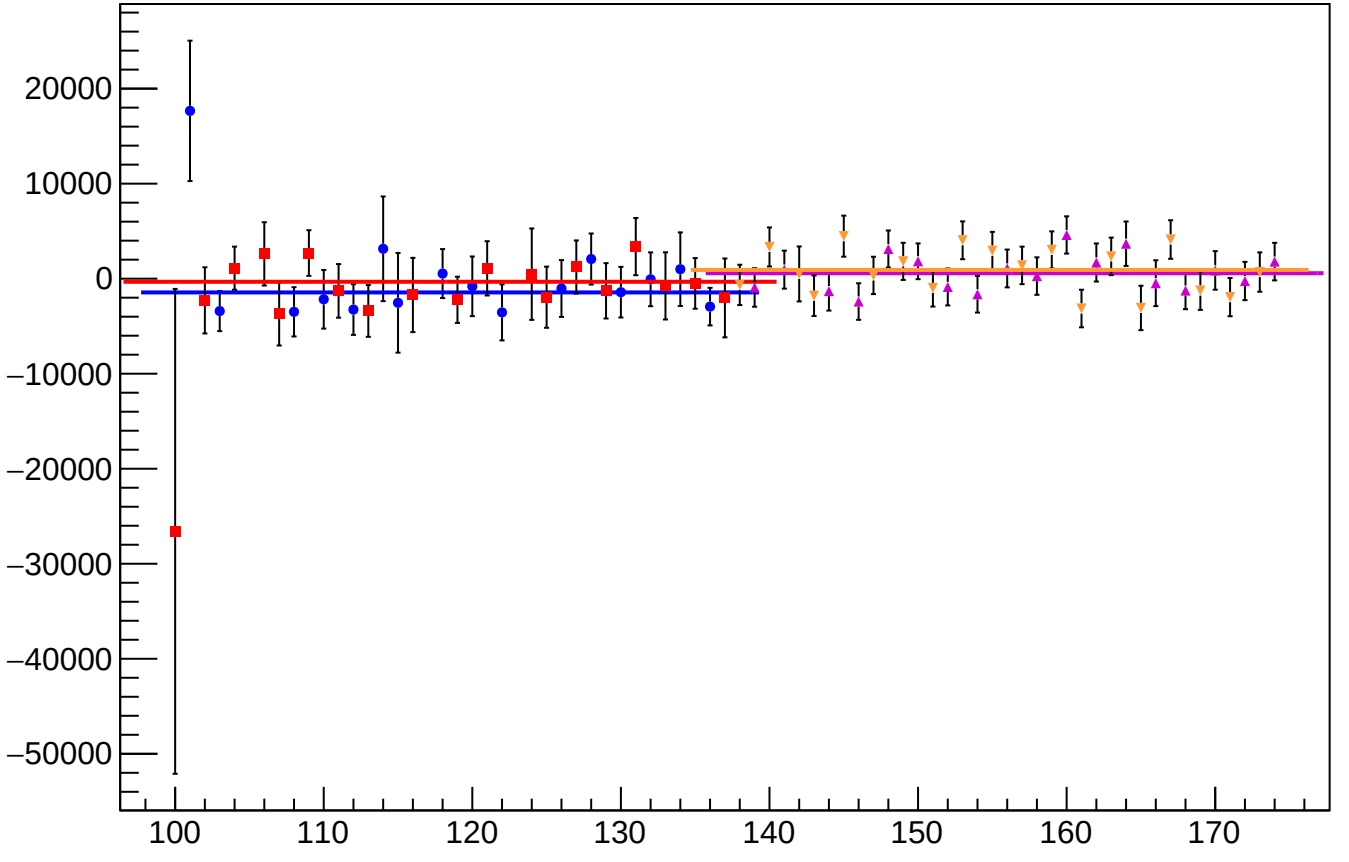
Left In: 0.000+/-0.000 χ^2/NDF:1801153.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 4145643.8/34

All: 0.000+/-0.000 χ^2/NDF: 8689137.0/71

- 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: 918.614+/-472.394 χ^2/NDF:25.6/18

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

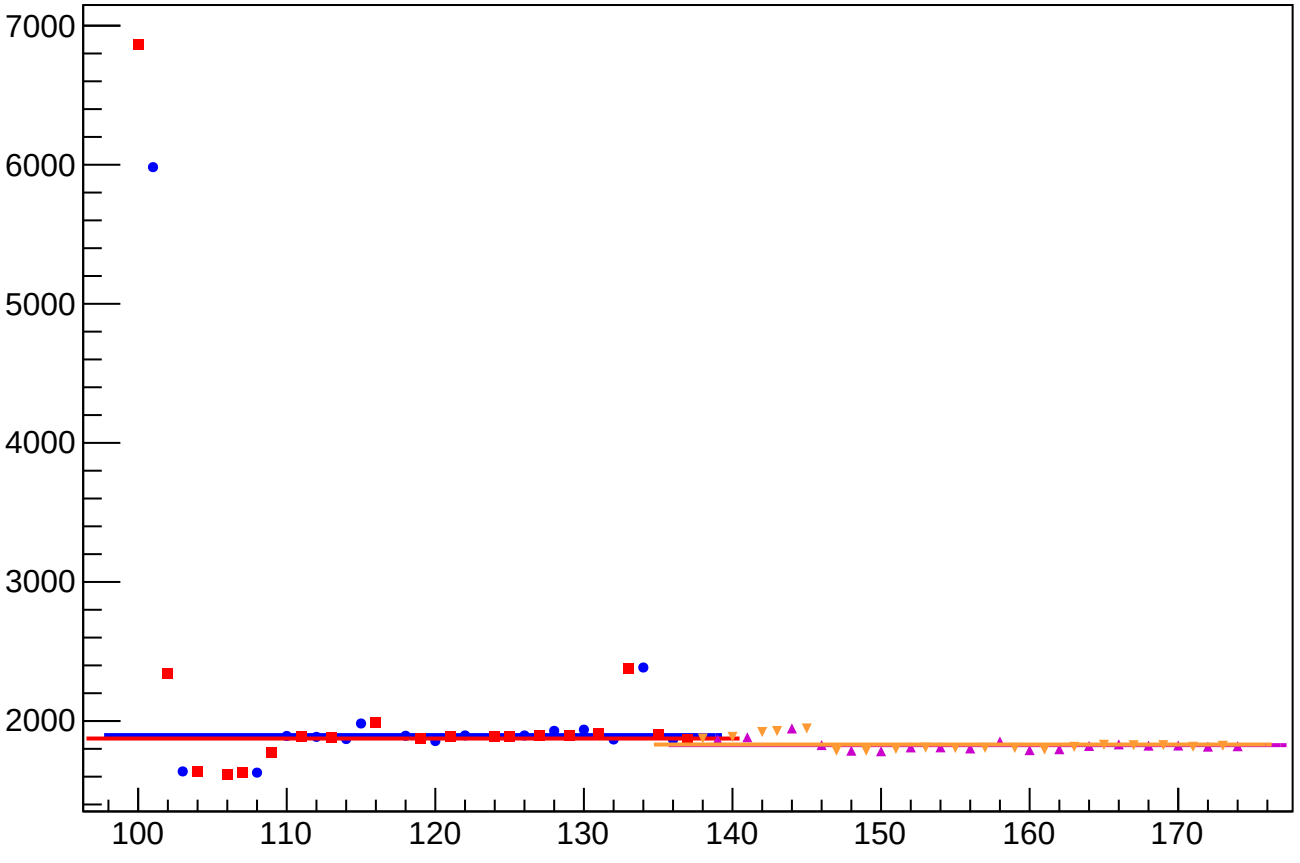
Left In: 574.580+/-473.579 χ^2/NDF:15.9/17

+ sign 211.190+/-395.487 χ^2/NDF: 46.6/34

All: 252.533+/-278.664 χ^2/NDF: 73.5/71

- 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: 1831.106+/-0.334 χ^2/NDF:18854.4/18

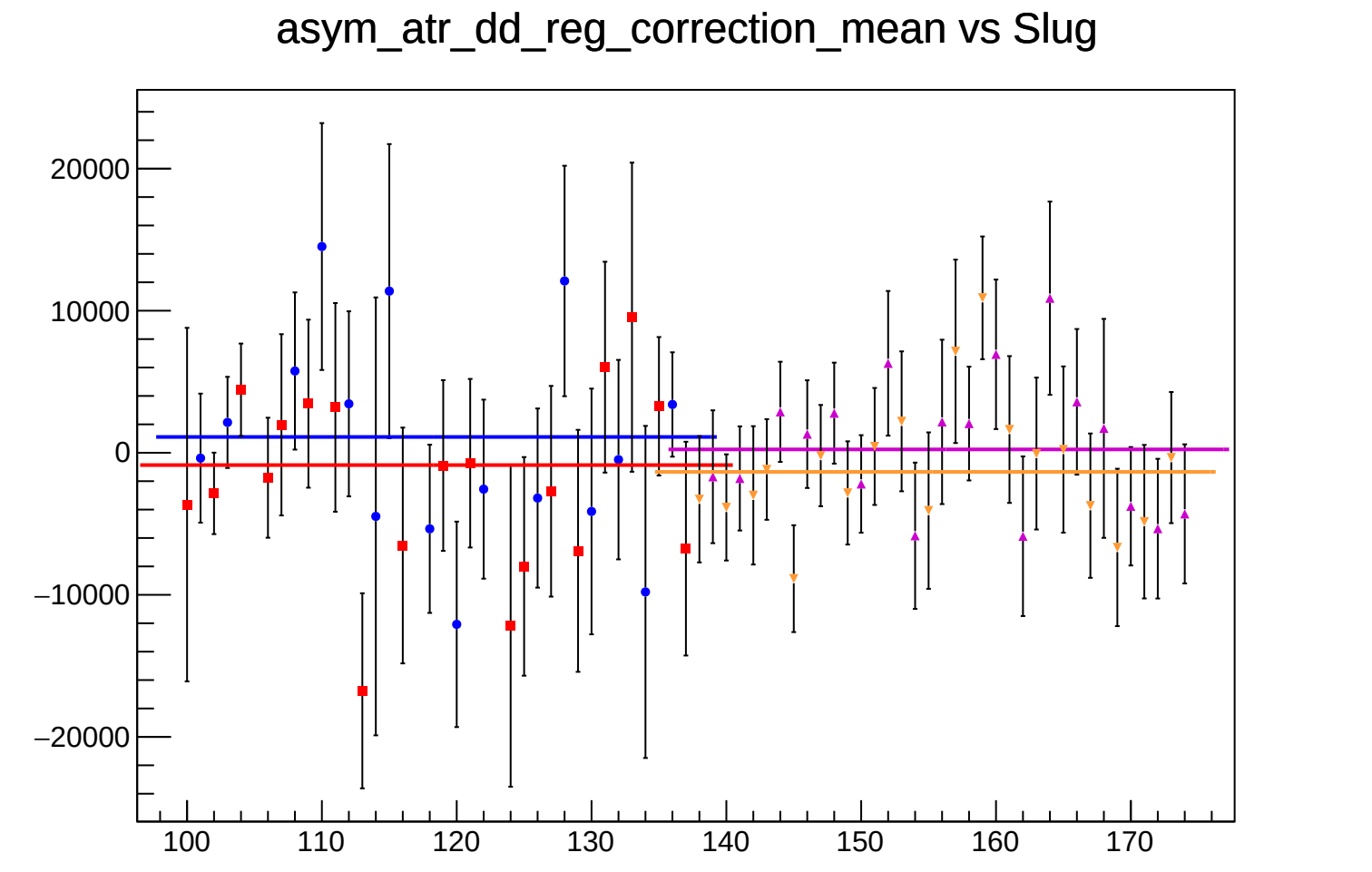
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1826.581+/-0.335 χ^2/NDF:13253.1/17

+ sign 1851.361+/-0.280 χ^2/NDF: 728662.0/34

All: 1846.411+/-0.197 χ^2/NDF: 956553.9/71

- 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: -1344.754+/-1034.578 χ^2/NDF:17.8/18

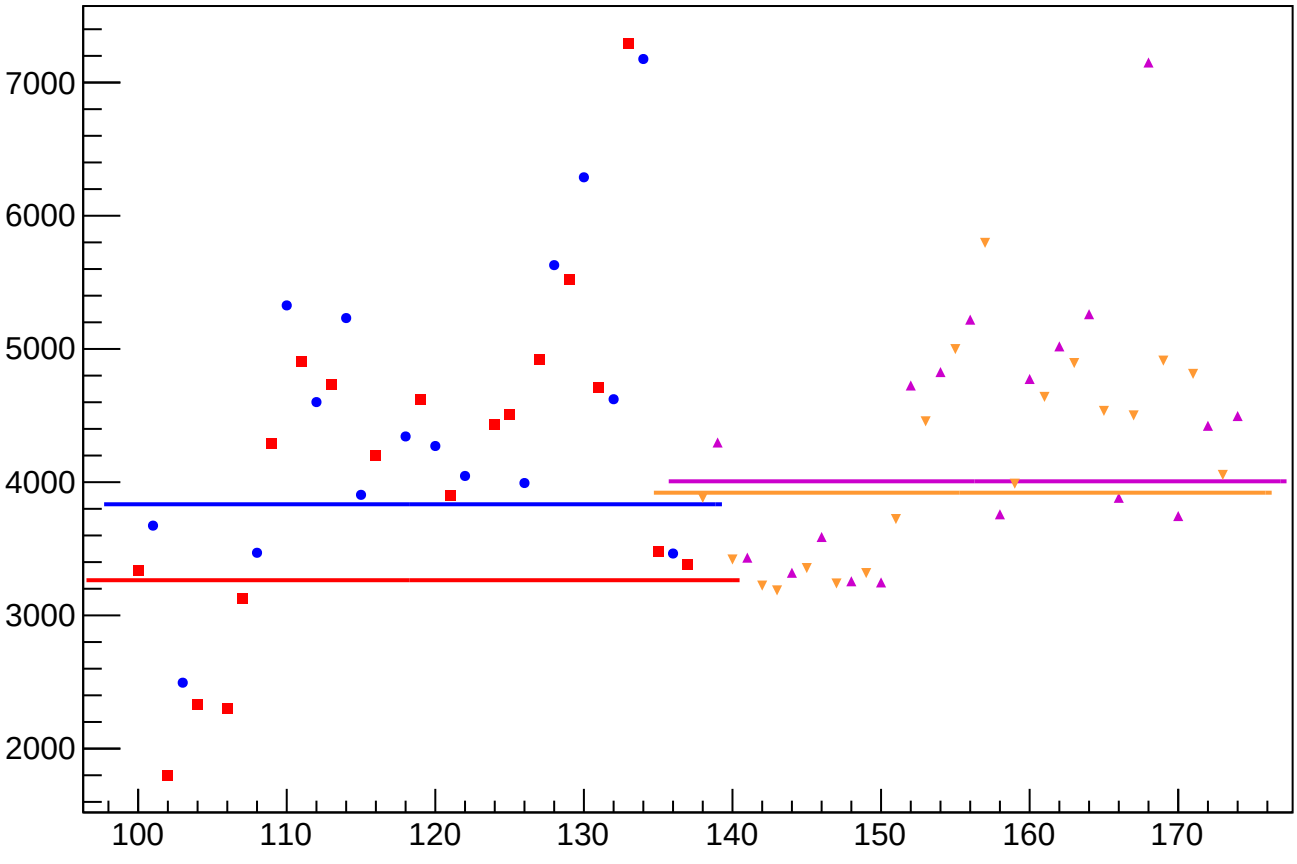
Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: 235.332+/-1061.340 χ^2/NDF:14.1/17

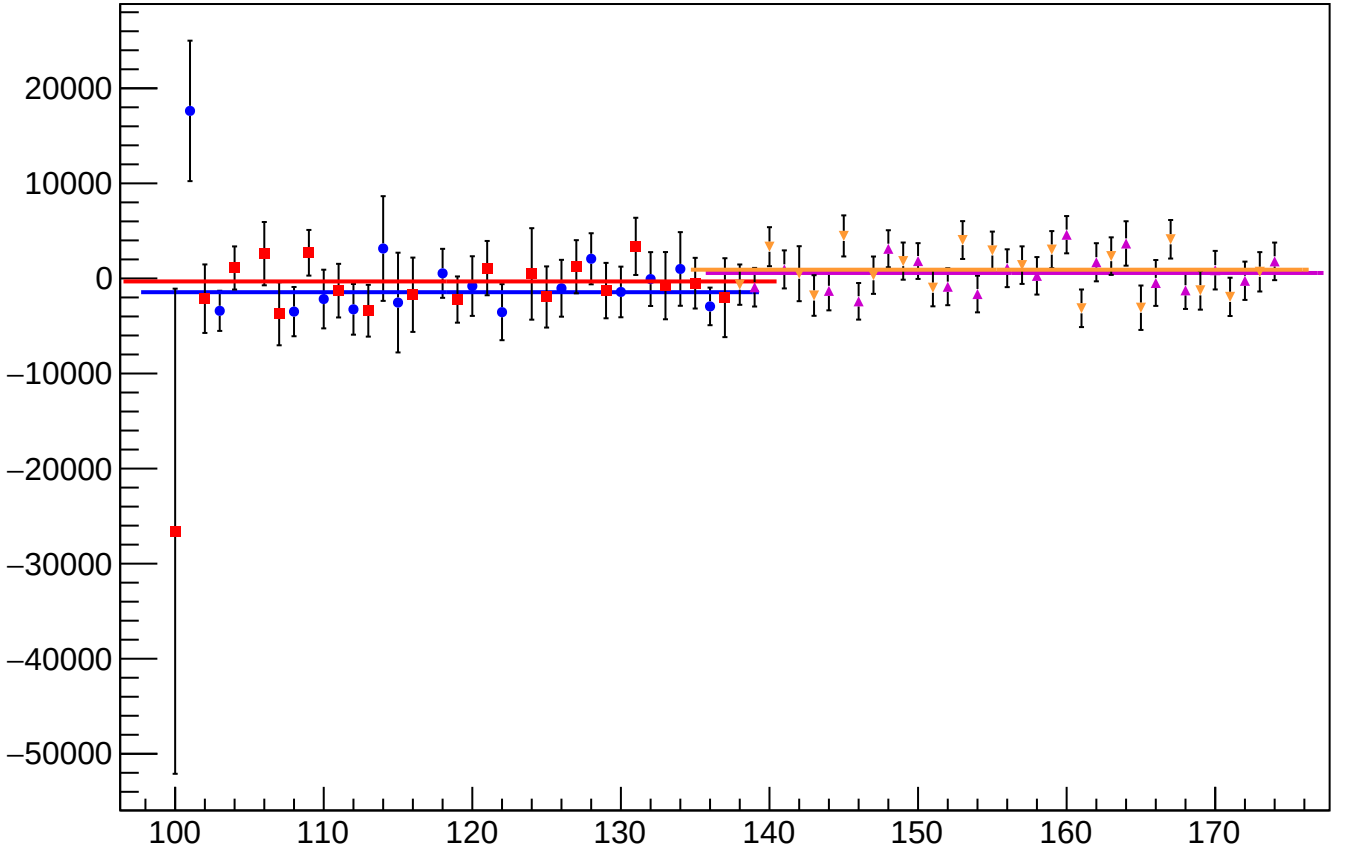
+ sign -537.547+/-847.804 χ^2/NDF: 33.0/34

All: -365.303+/-590.878 χ^2/NDF: 63.2/71

- sign -202.610+/-823.961 χ^2/NDF: 30.1/36


asym_atr_dd_reg_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3834.164+/-1.046 χ²/NDF: 956775.6/15
Left Out: 3921.027+/-0.732 χ²/NDF:883989.5/18
Right Out: 3264.110+/-0.924 χ²/NDF: 1864241.4/18
Left In: 4006.475+/-0.750 χ²/NDF:1081821.6/17
+ sign 3892.495+/-0.599 χ²/NDF: 1845396.1/34
All: 3799.436+/-0.418 χ²/NDF: 5227065.9/71
- sign 3711.537+/-0.583 χ²/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: 918.717+/-472.394 χ^2/NDF:25.6/18

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

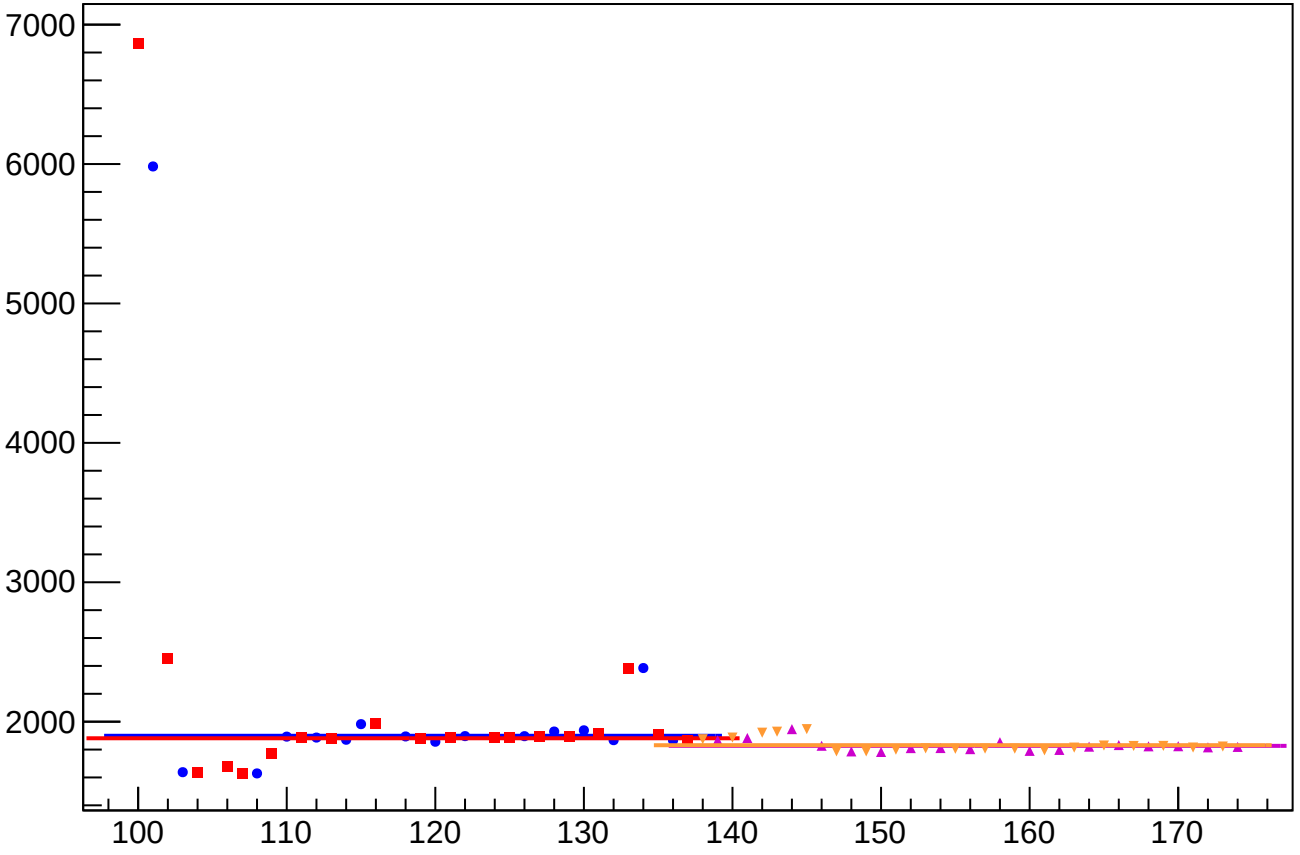
Left In: 574.486+/-473.579 χ^2/NDF:15.9/17

+ sign 211.146+/-395.487 χ^2/NDF: 46.6/34

All: 254.363+/-278.723 χ^2/NDF: 73.4/71

- 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: 1831.106+/-0.334 χ^2/NDF:18854.4/18

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

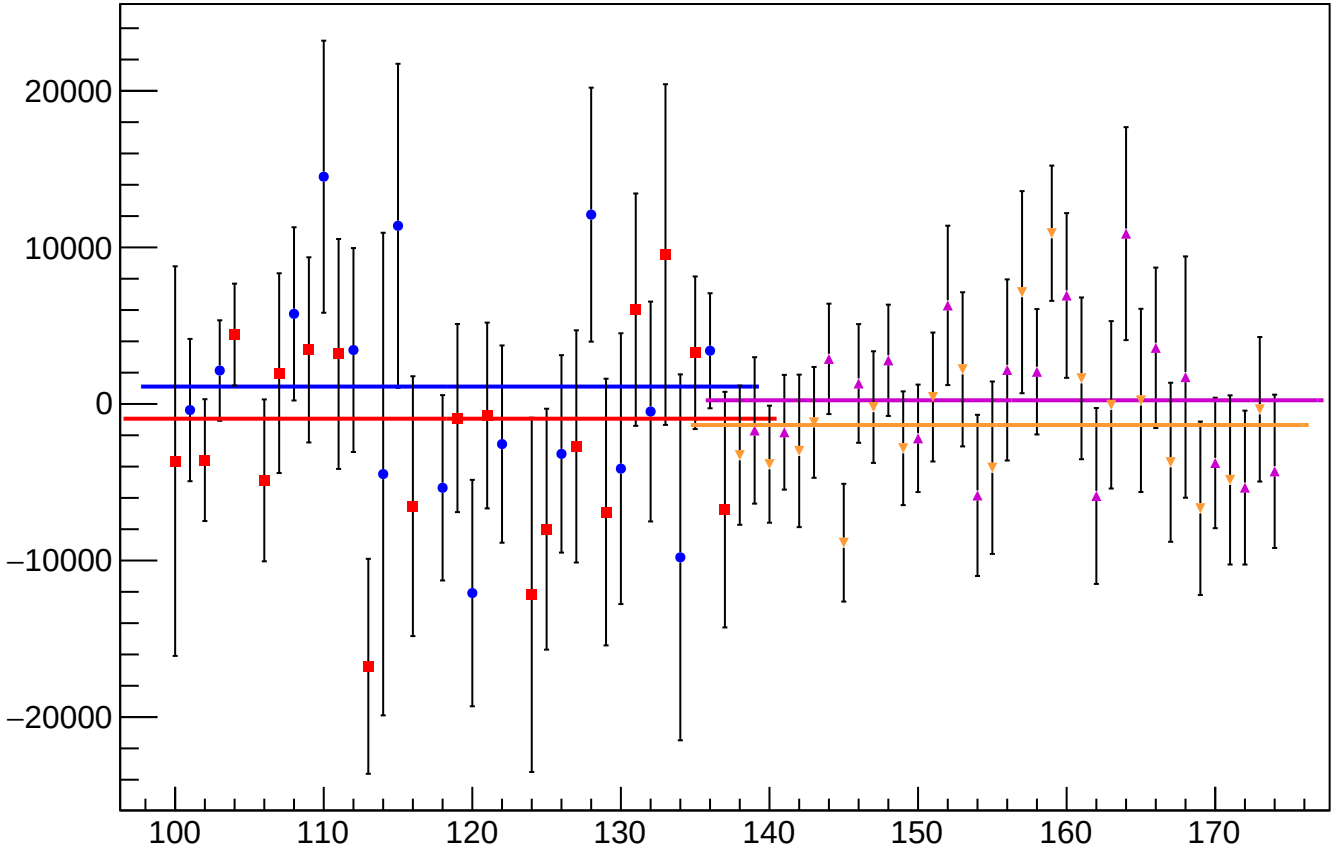
Left In: 1826.581+/-0.335 χ^2/NDF:13253.1/17

+ sign 1851.361+/-0.280 χ^2/NDF: 728662.1/34

All: 1847.446+/-0.197 χ^2/NDF: 967122.2/71

- sign 1843.587+/-0.278 χ^2/NDF: 238070.9/36

asym_atr_dd_cor_correction_mean vs Slug



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1344.744+/-1034.577 χ^2/NDF:17.8/18

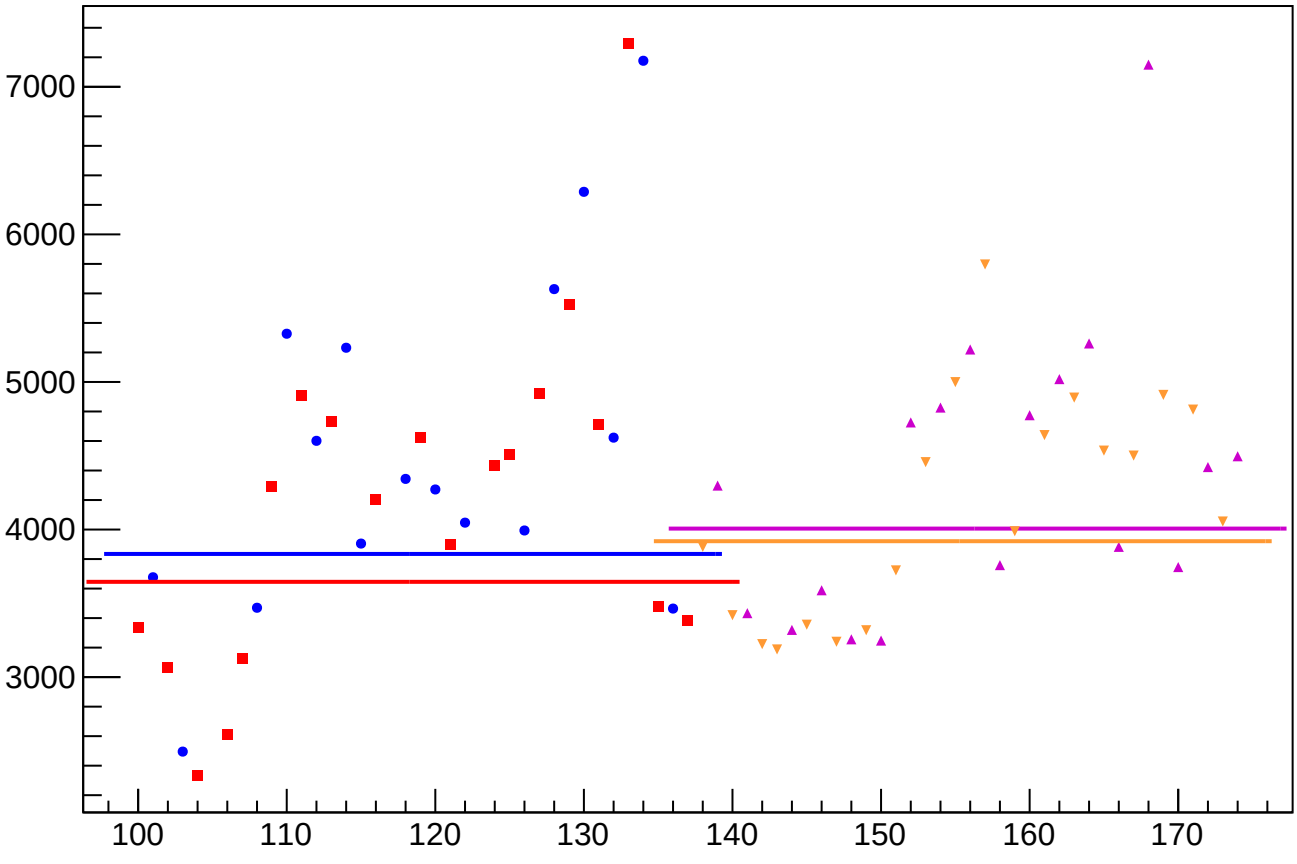
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 235.341+/-1061.338 χ^2/NDF:14.1/17

+ sign -538.053+/-847.836 χ^2/NDF: 33.0/34

All: -365.696+/-598.700 χ^2/NDF: 63.8/71

- 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: 3921.023+/-0.732 χ^2/NDF:883981.8/18

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

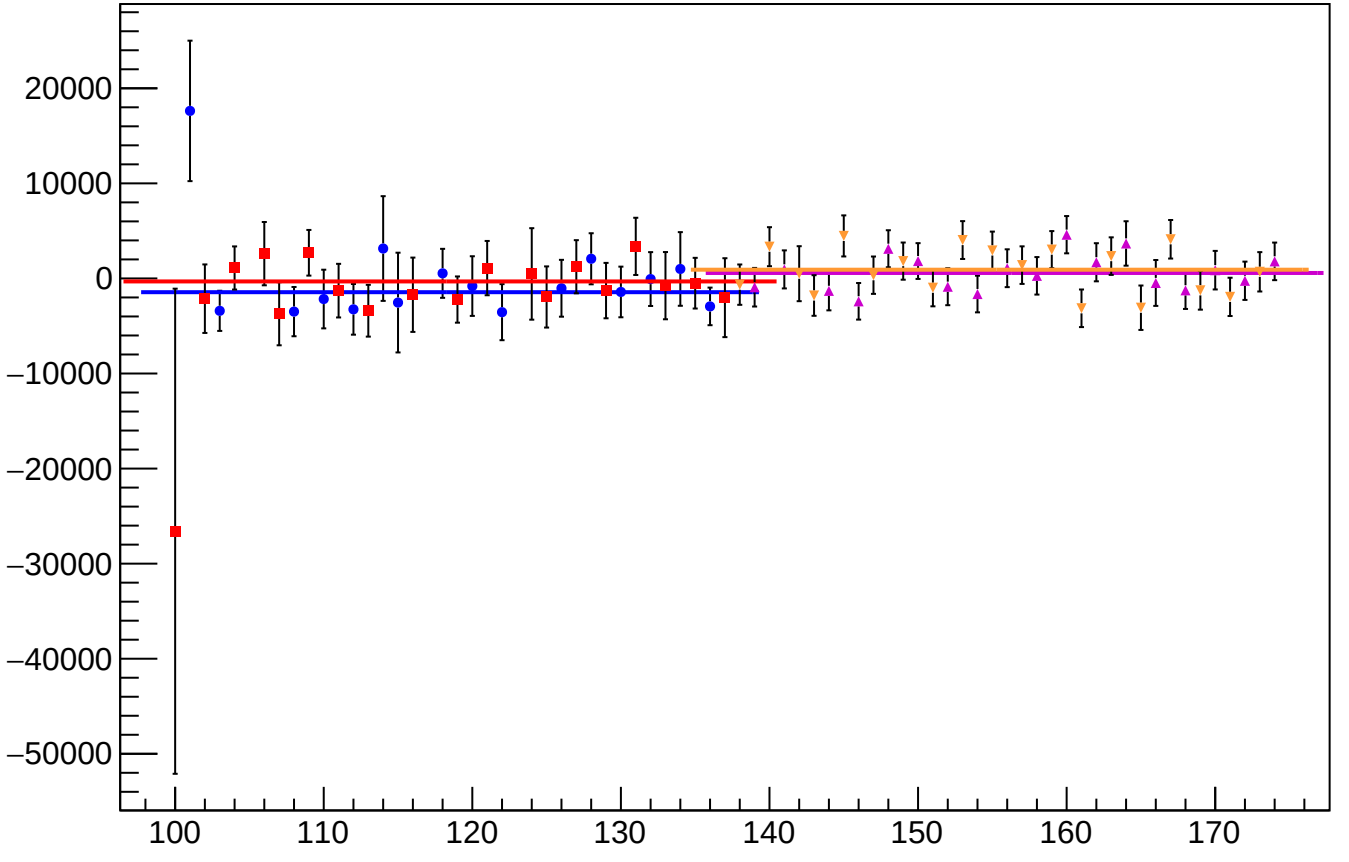
Left In: 4006.468+/-0.750 χ^2/NDF:1081836.5/17

+ sign 3892.669+/-0.600 χ^2/NDF: 1844867.9/34

All: 3883.649+/-0.423 χ^2/NDF: 4136558.7/71

- 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: 918.717+/-472.394 χ^2/NDF:25.6/18

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

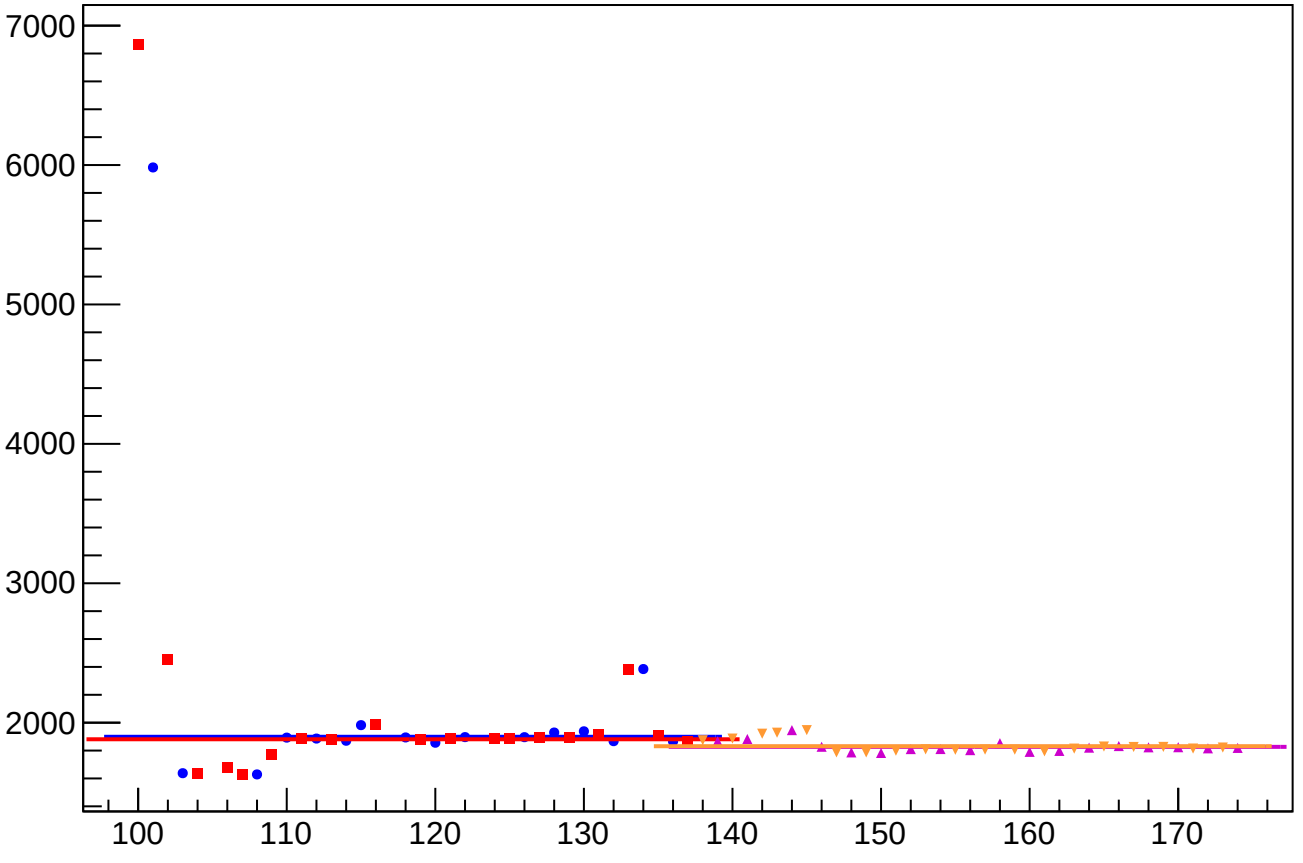
Left In: 574.486+/-473.579 χ^2/NDF:15.9/17

+ sign 211.146+/-395.487 χ^2/NDF: 46.6/34

All: 254.363+/-278.723 χ^2/NDF: 73.4/71

- 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: 1831.106+/-0.334 χ^2/NDF:18854.4/18

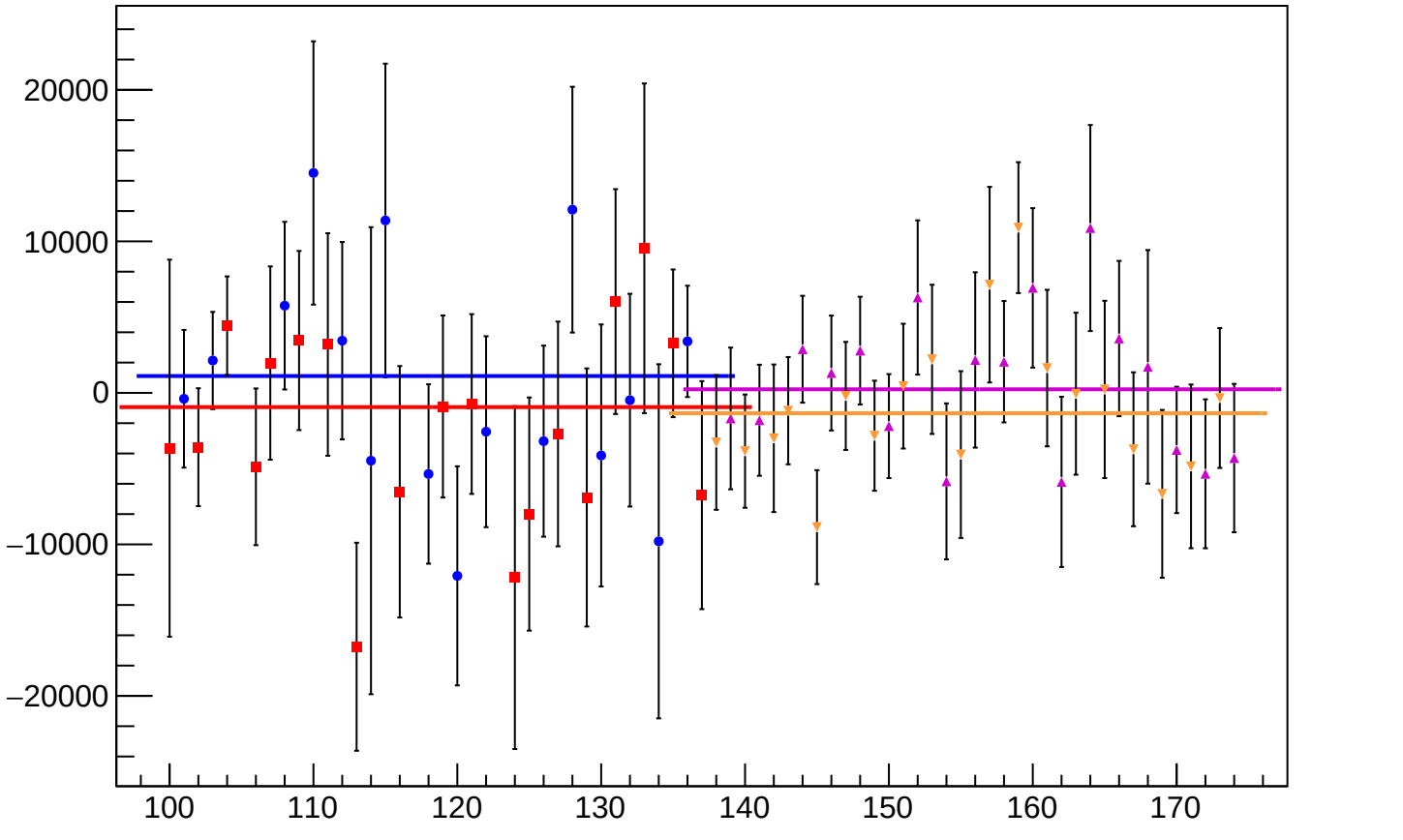
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.581+/-0.335 χ^2/NDF:13253.1/17

+ sign 1851.361+/-0.280 χ^2/NDF: 728662.1/34

All: 1847.446+/-0.197 χ^2/NDF: 967122.2/71

- 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: -1344.744+/-1034.577 χ^2/NDF:17.8/18

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

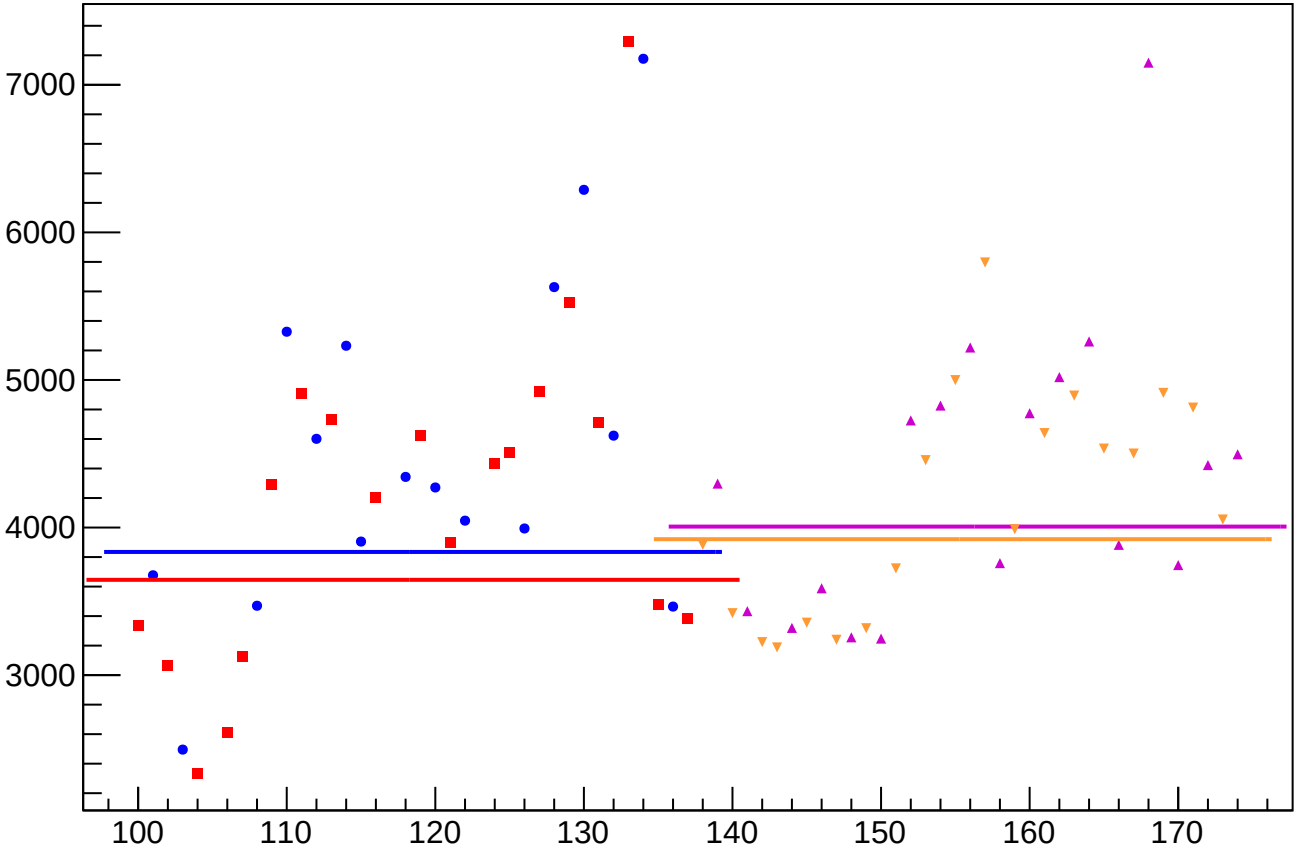
Left In: 235.341+/-1061.338 χ^2/NDF:14.1/17

\+ sign -538.053+/-847.836 χ^2/NDF: 33.0/34

All: -365.696+/-598.700 χ^2/NDF: 63.8/71

\- sign -194.268+/-845.549 χ^2/NDF: 30.7/36

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3921.023+/-0.732 χ^2/NDF:883981.8/18

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

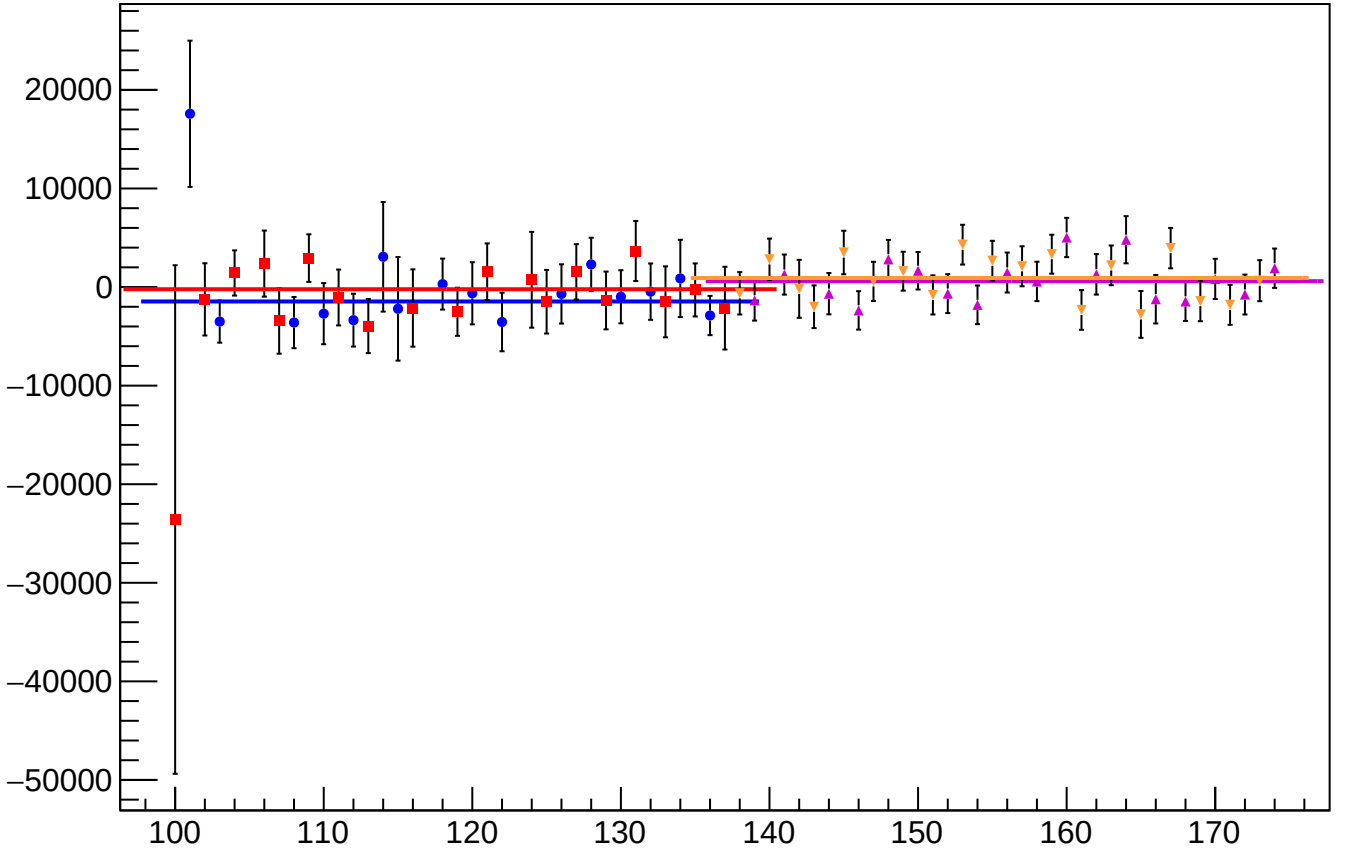
Left In: 4006.468+/-0.750 χ^2/NDF:1081836.5/17

+ sign 3892.669+/-0.600 χ^2/NDF: 1844867.9/34

All: 3883.649+/-0.423 χ^2/NDF: 4136558.7/71

- 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: 917.623+/-479.345 χ^2/NDF:21.7/18

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

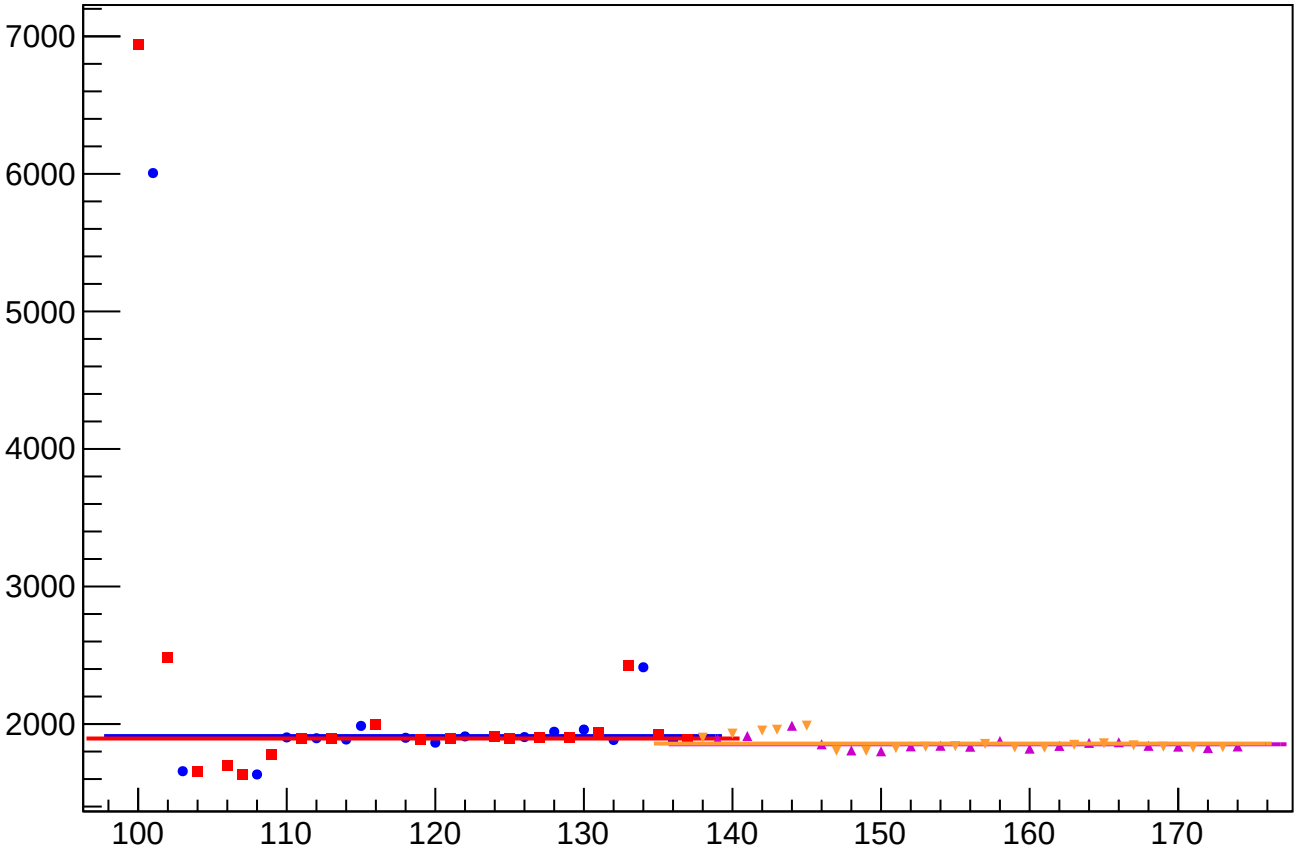
Left In: 595.694+/-480.397 χ^2/NDF:18.0/17

+ sign 198.142+/-400.398 χ^2/NDF: 42.7/34

All: 269.077+/-282.157 χ^2/NDF: 72.5/71

- 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: 1857.902+/-0.339 χ^2/NDF:22273.8/18

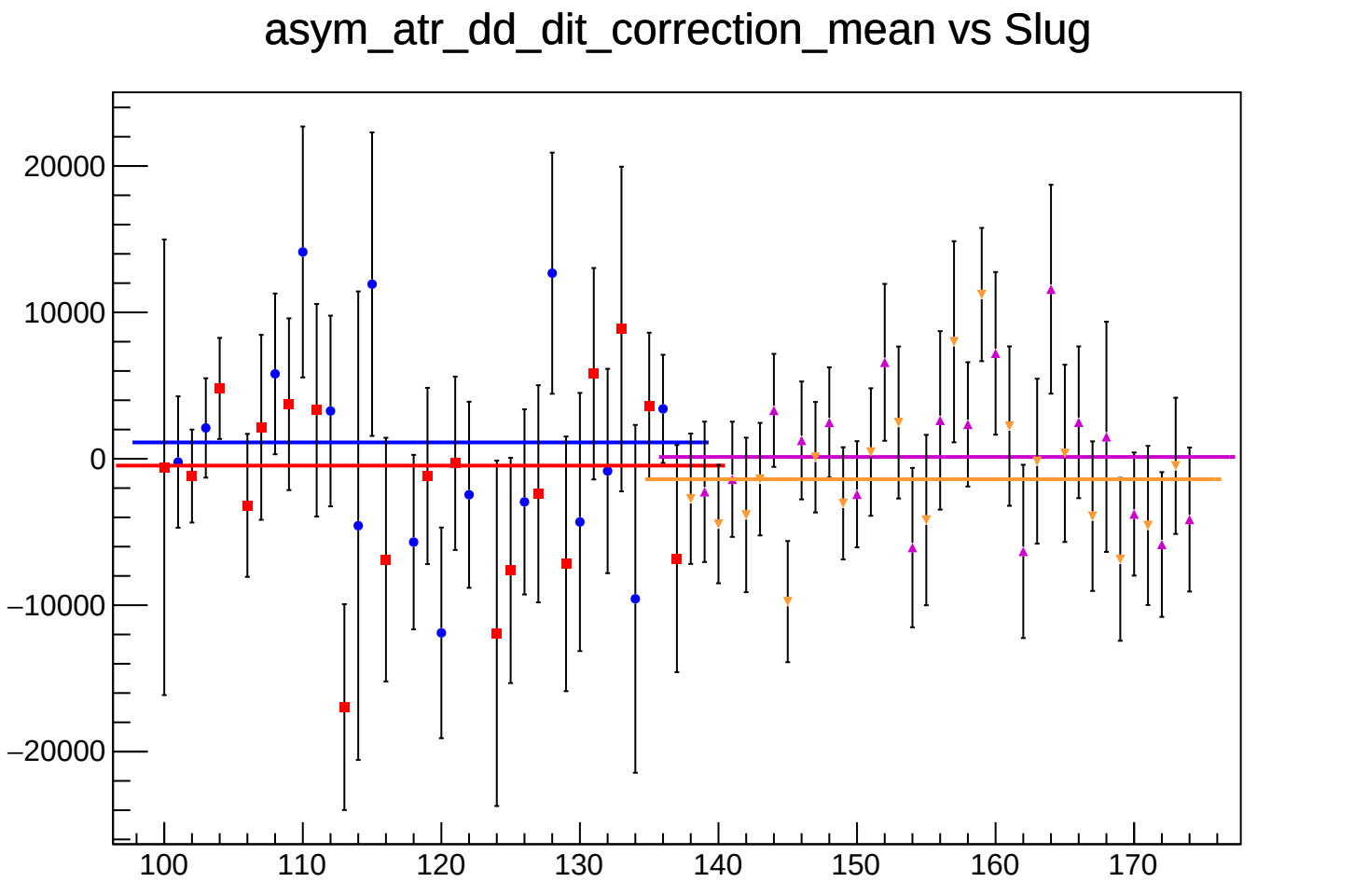
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1852.781+/-0.340 χ^2/NDF:15058.0/17

+ sign 1874.369+/-0.283 χ^2/NDF: 726302.1/34

All: 1870.161+/-0.199 χ^2/NDF: 966394.9/71

- 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: -1392.177+/-1088.487 χ^2/NDF:18.0/18

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

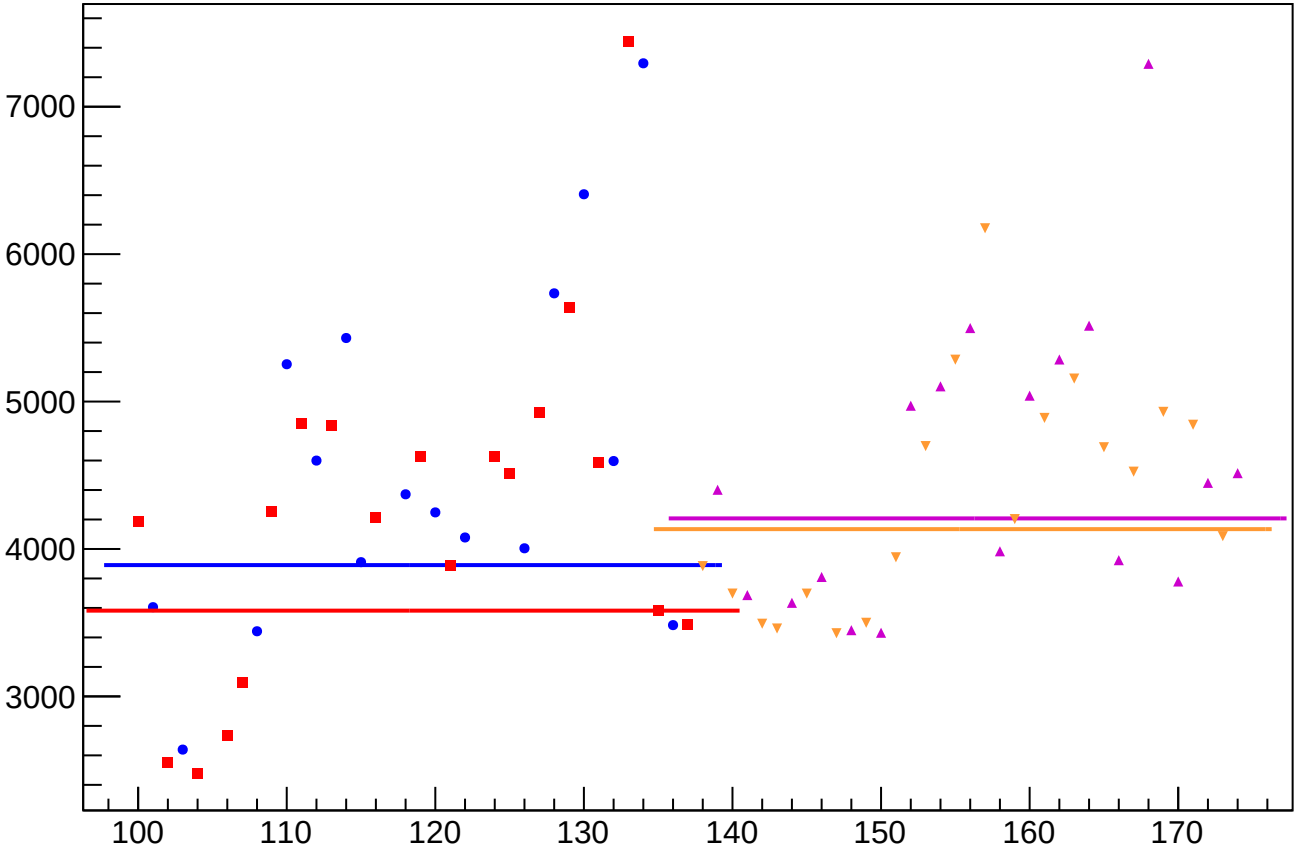
Left In: 125.664+/-1112.921 χ^2/NDF:13.9/17

+ sign -523.800+/-880.502 χ^2/NDF: 33.3/34

All: -312.349+/-616.700 χ^2/NDF: 62.5/71

- sign -108.740+/-864.021 χ^2/NDF: 29.1/36

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4134.654+/-0.770 χ^2/NDF:758373.1/18

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

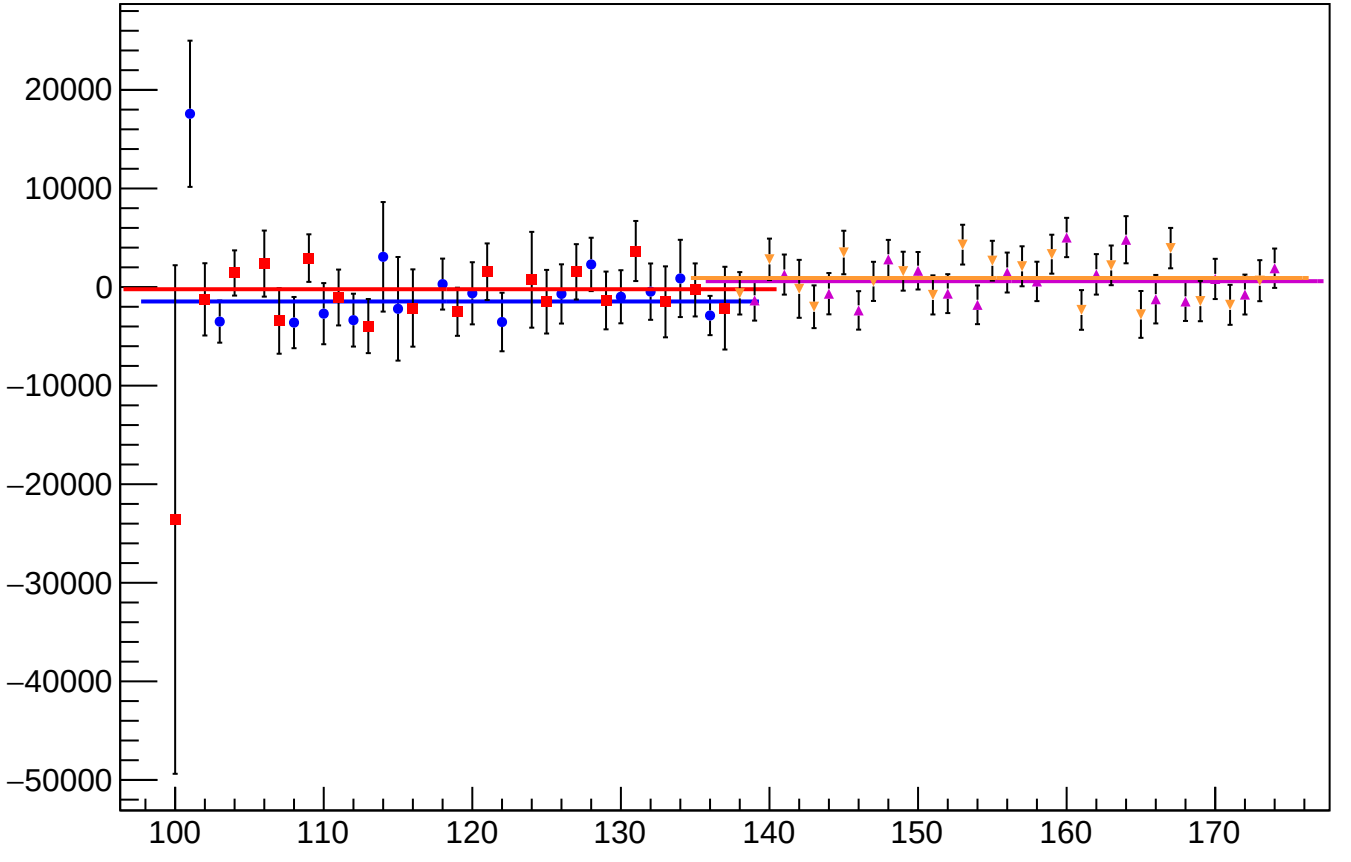
Left In: 4207.401+/-0.787 χ^2/NDF:989999.7/17

+ sign 4050.336+/-0.623 χ^2/NDF: 1671512.9/34

All: 4003.733+/-0.436 χ^2/NDF: 4145446.1/71

- 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: 917.629+/-479.345 χ^2/NDF:21.7/18

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

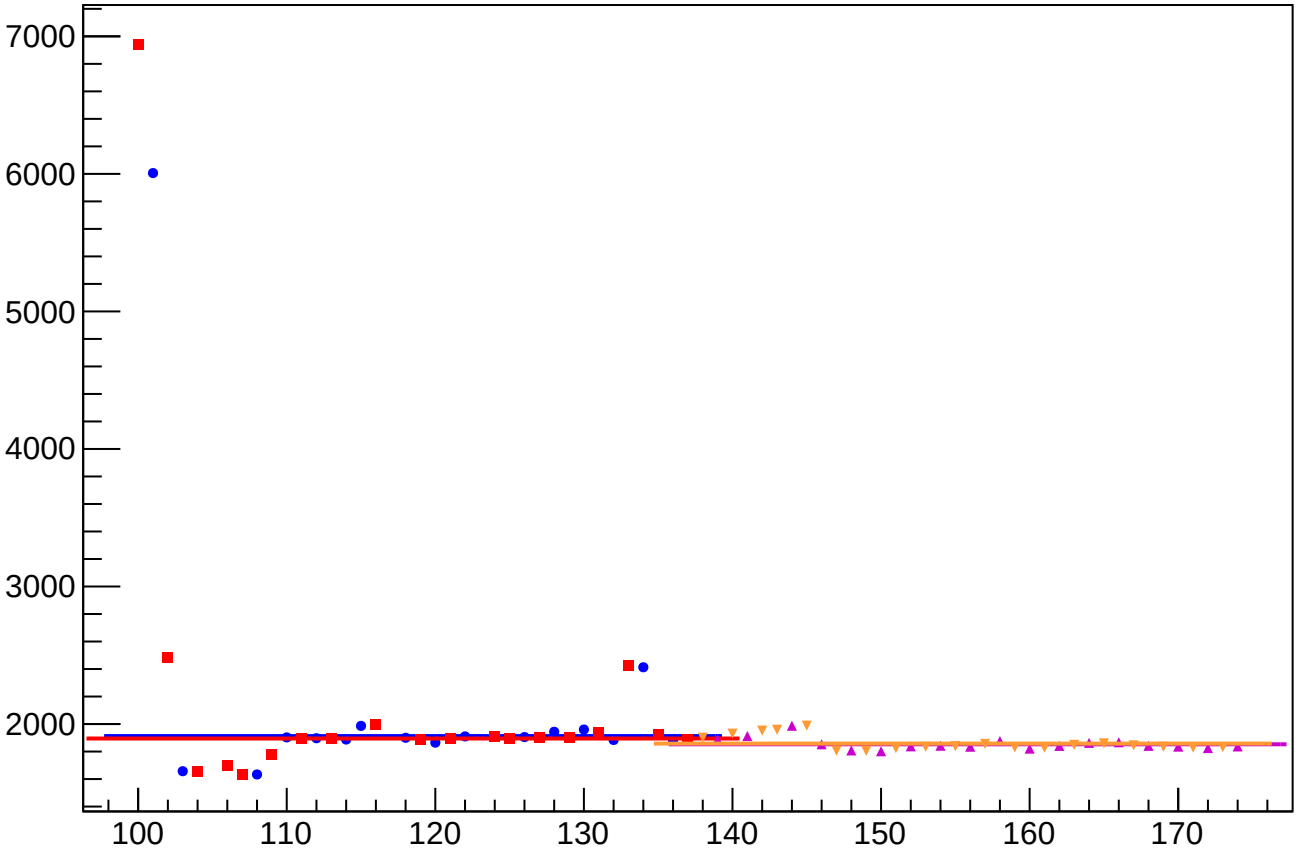
Left In: 595.695+/-480.398 χ^2/NDF:18.0/17

+ sign 198.144+/-400.398 χ^2/NDF: 42.7/34

All: 269.080+/-282.157 χ^2/NDF: 72.5/71

- 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: 1857.903+/-0.339 χ^2/NDF:22273.8/18

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

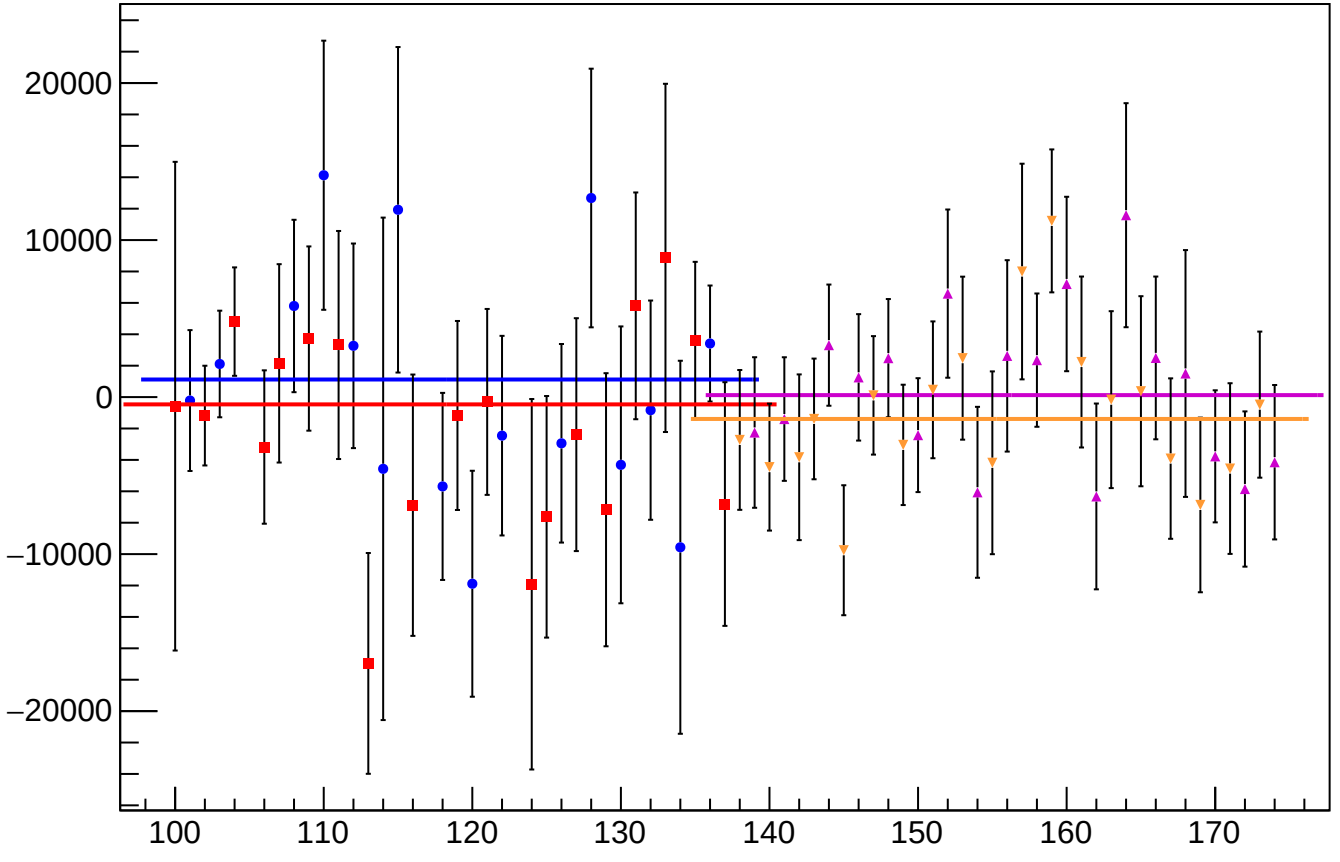
Left In: 1852.781+/-0.340 χ^2/NDF:15057.9/17

+ sign 1874.369+/-0.283 χ^2/NDF: 726301.8/34

All: 1870.162+/-0.199 χ^2/NDF: 966394.4/71

- 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: -1392.177+/-1088.488 χ^2/NDF:18.0/18

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

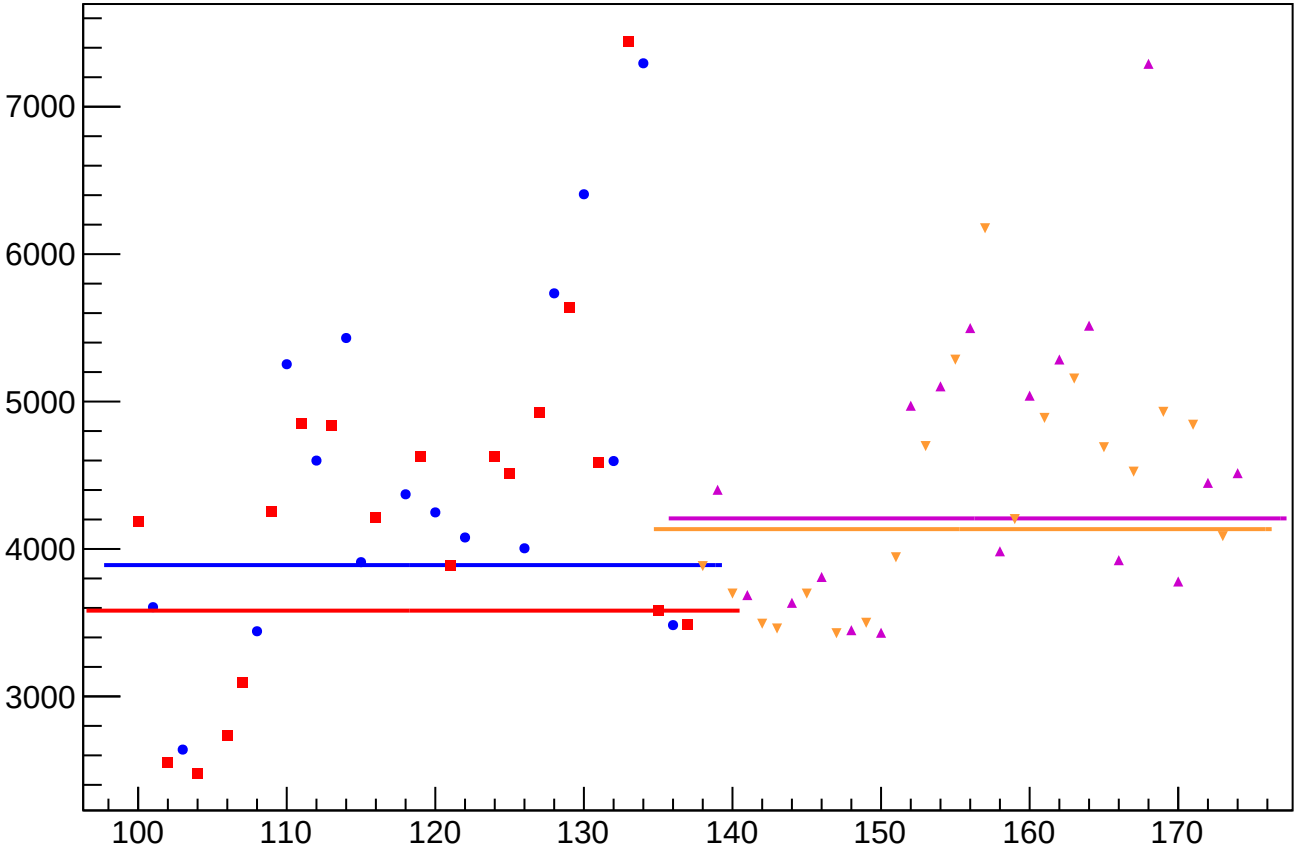
Left In: 125.662+/-1112.922 χ^2/NDF:13.9/17

\+ sign -523.802+/-880.503 χ^2/NDF: 33.3/34

All: -312.351+/-616.700 χ^2/NDF: 62.5/71

\- 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: 4134.661+/-0.770 χ^2/NDF:758373.4/18

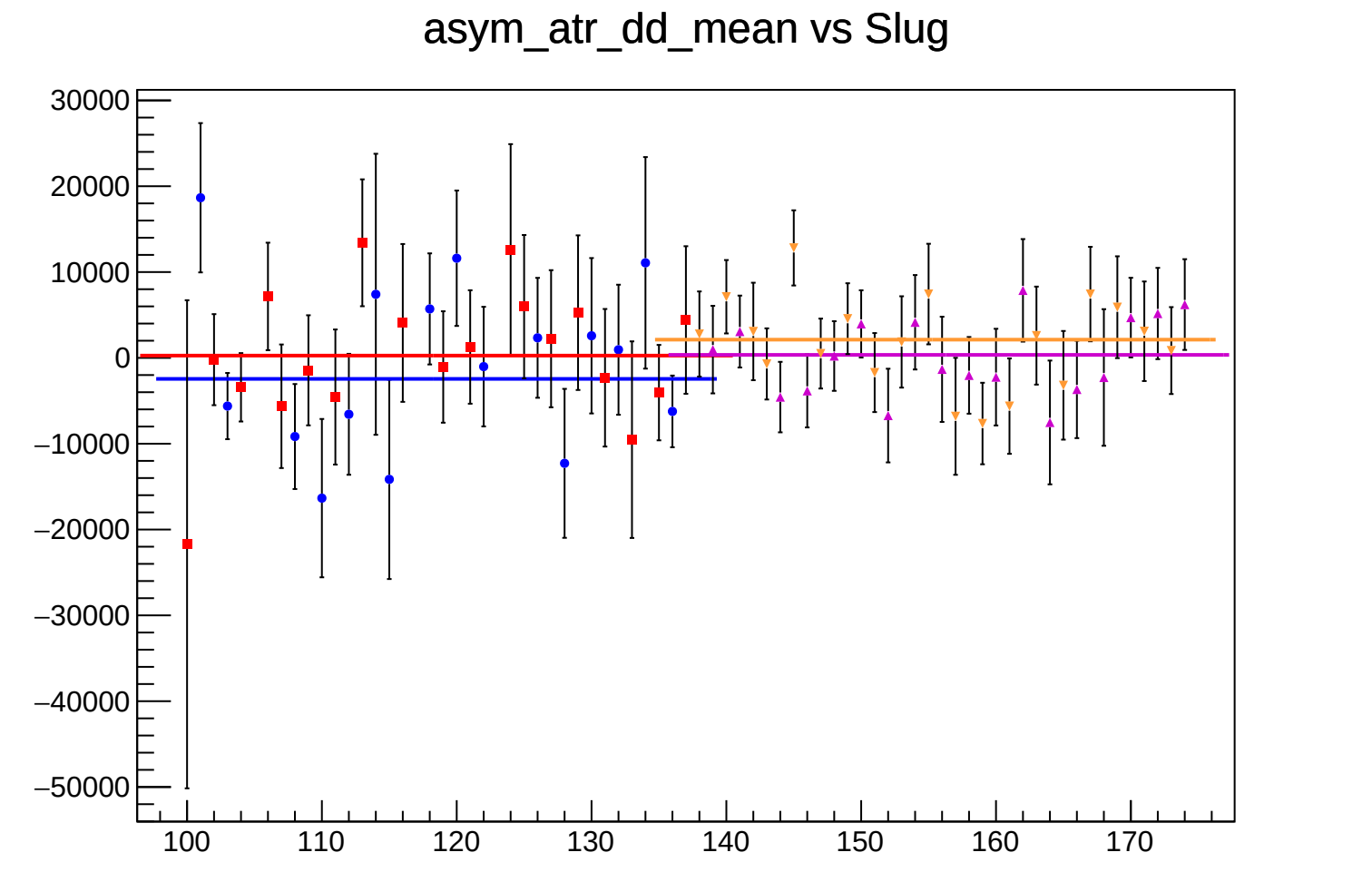
Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4207.407+/-0.787 χ^2/NDF:990002.3/17

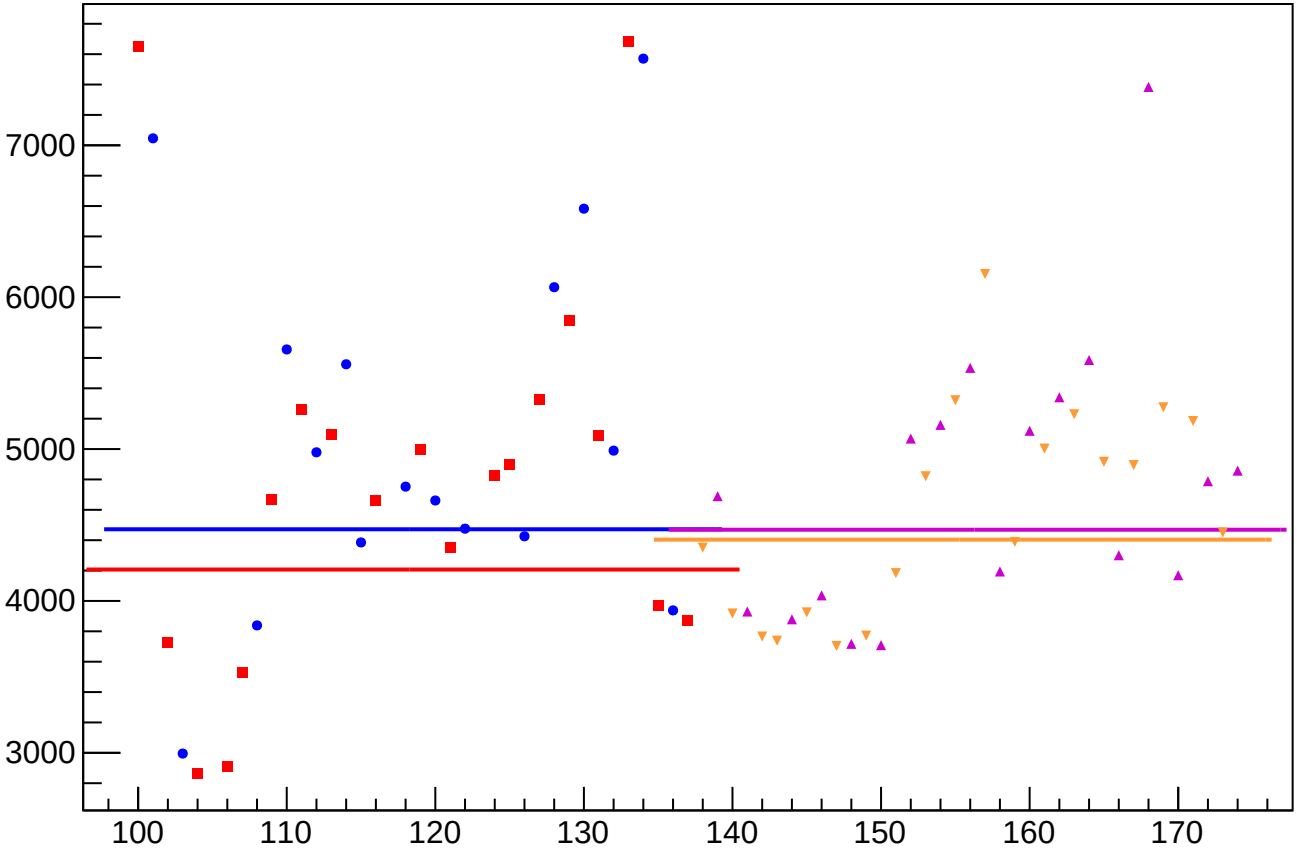
+ sign 4050.339+/-0.623 χ^2/NDF: 1671506.9/34

All: 4003.736+/-0.436 χ^2/NDF: 4145441.7/71

- sign 3958.860+/-0.611 χ^2/NDF: 2462937.0/36


asym_atr_dd_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: -2448.262+/-1719.694 χ²/NDF: 20.9/15
Left Out: 2123.176+/-1153.668 χ²/NDF:19.9/18
Right Out: 265.886+/-1622.574 χ²/NDF: 10.7/18
Left In: 348.716+/-1176.519 χ²/NDF:12.7/17
+ sign 704.348+/-958.053 χ²/NDF: 45.6/34
All: 511.140+/-675.467 χ²/NDF: 69.2/71
- sign 320.174+/-952.479 χ²/NDF: 23.4/36

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4403.648+/-0.816 χ^2/NDF:604134.2/18

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

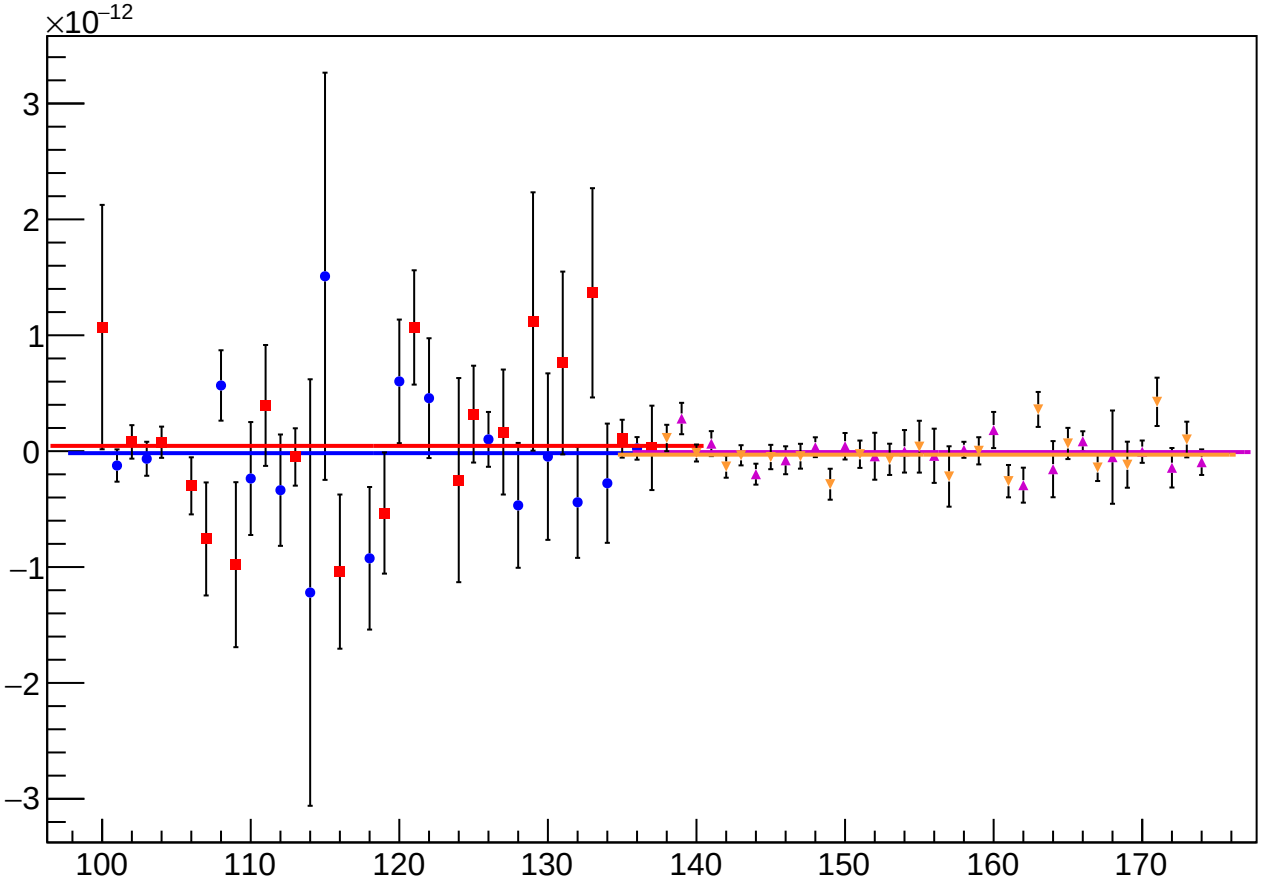
Left In: 4468.941+/-0.832 χ^2/NDF:780209.8/17

+ sign 4424.833+/-0.677 χ^2/NDF: 1497985.5/34

All: 4401.049+/-0.477 χ^2/NDF: 3161718.5/71

- 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:23.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

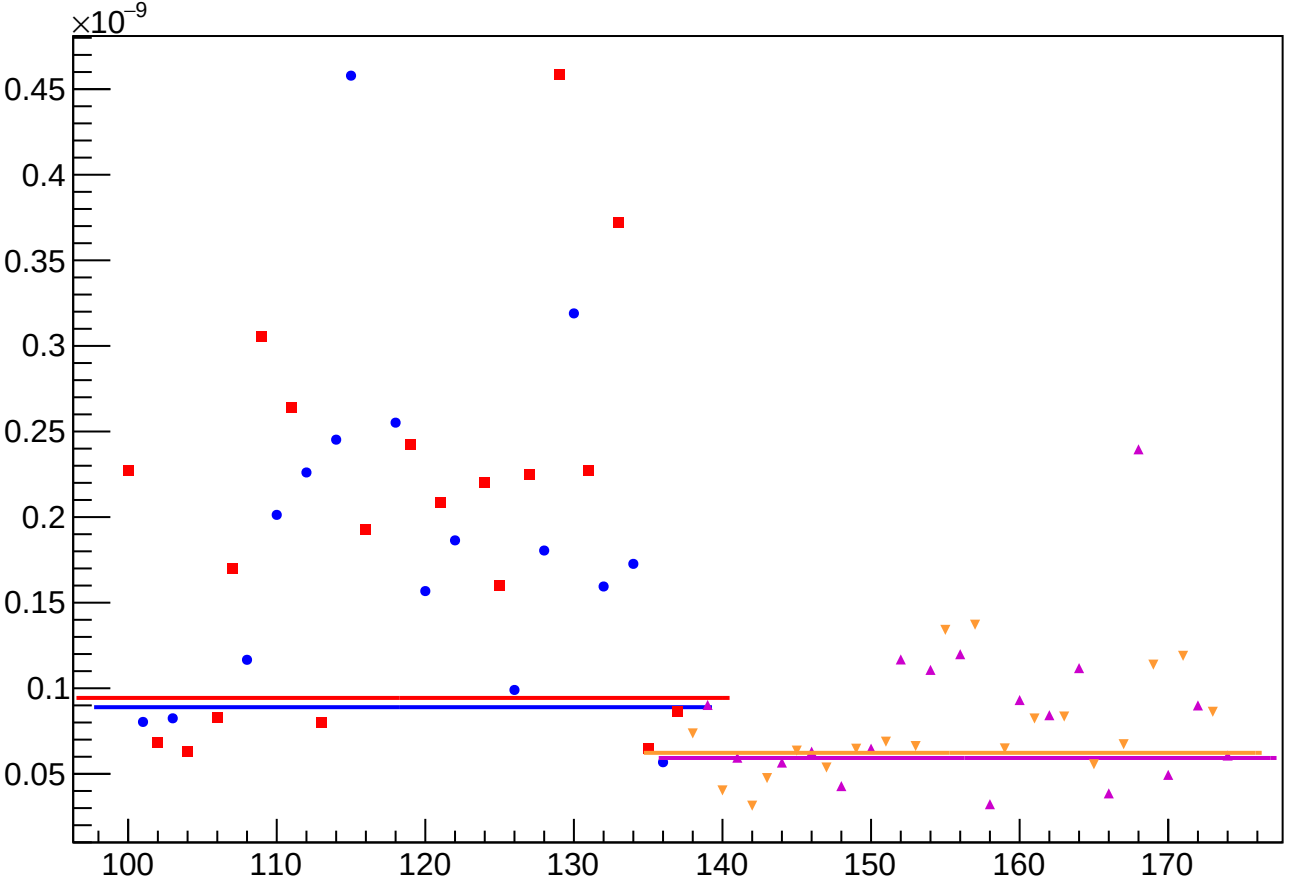
Left In: -0.000+/-0.000 χ^2/NDF:18.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 36.5/34

All: -0.000+/-0.000 χ^2/NDF: 77.1/71

- 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:1276274.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

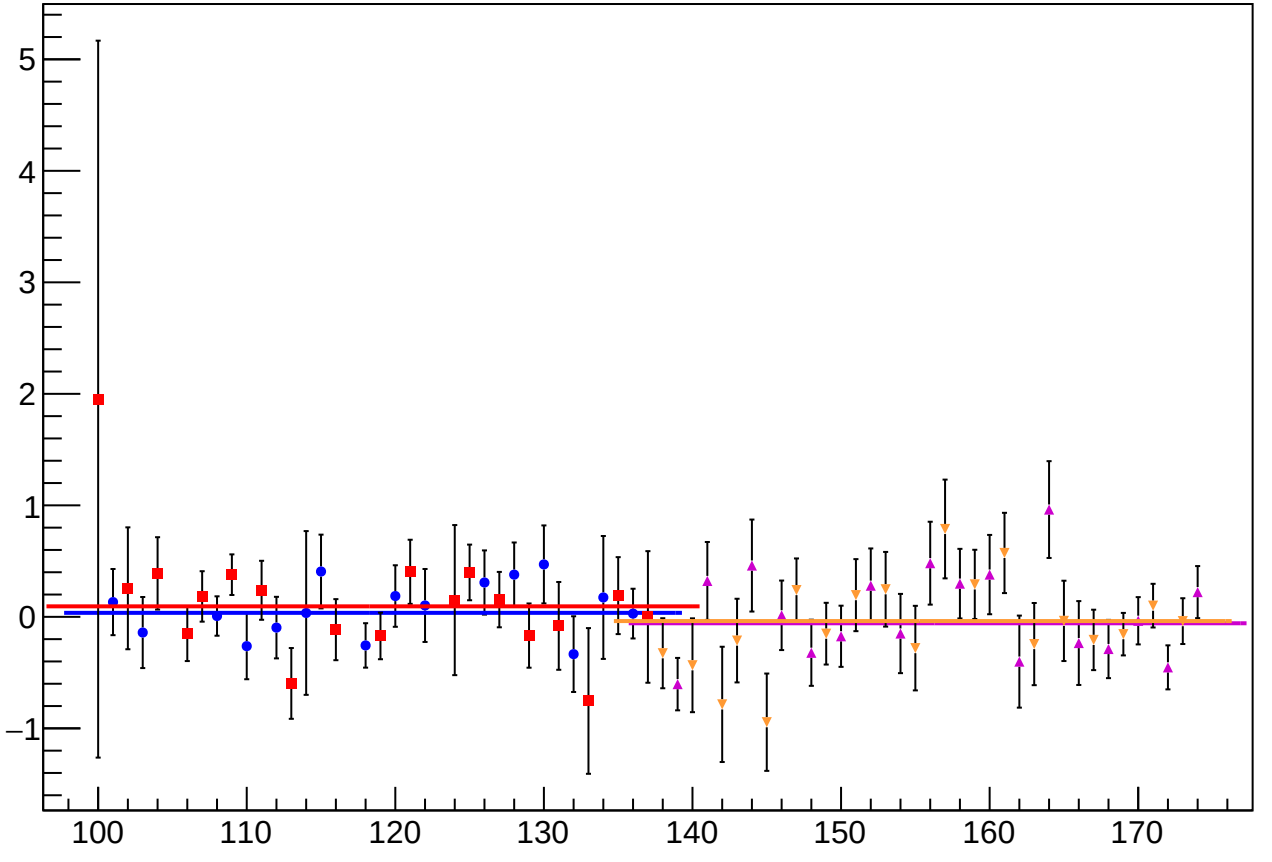
Left In: 0.000+/-0.000 χ^2/NDF:1791651.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 2818690.1/34

All: 0.000+/-0.000 χ^2/NDF: 6770490.3/71

- 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: -0.038+/-0.069 χ^2/NDF:20.2/18

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

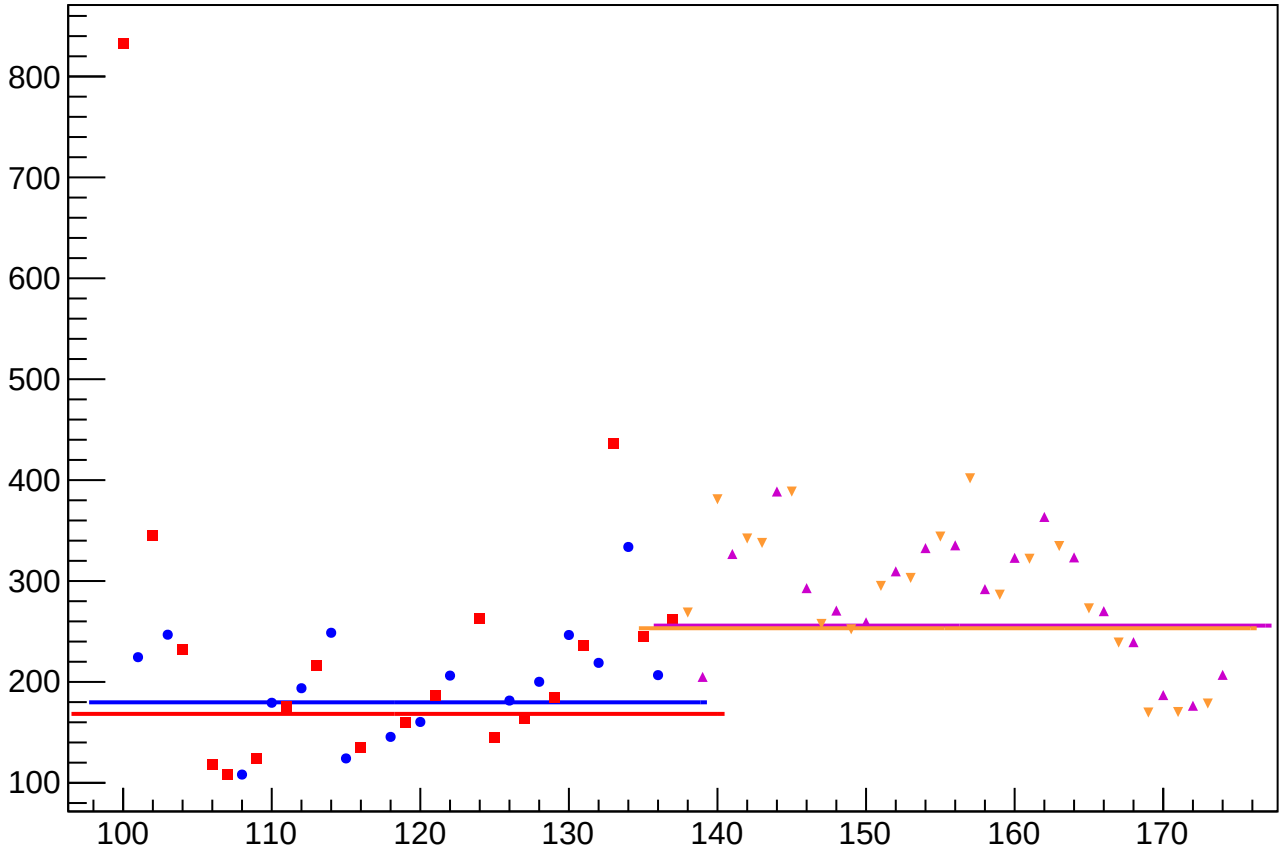
Left In: -0.058+/-0.069 χ^2/NDF:27.8/17

+ sign -0.002+/-0.049 χ^2/NDF: 31.3/34

All: 0.009+/-0.035 χ^2/NDF: 79.3/71

- 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: 253.196+/-0.049 χ^2/NDF:2174562.1/18

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

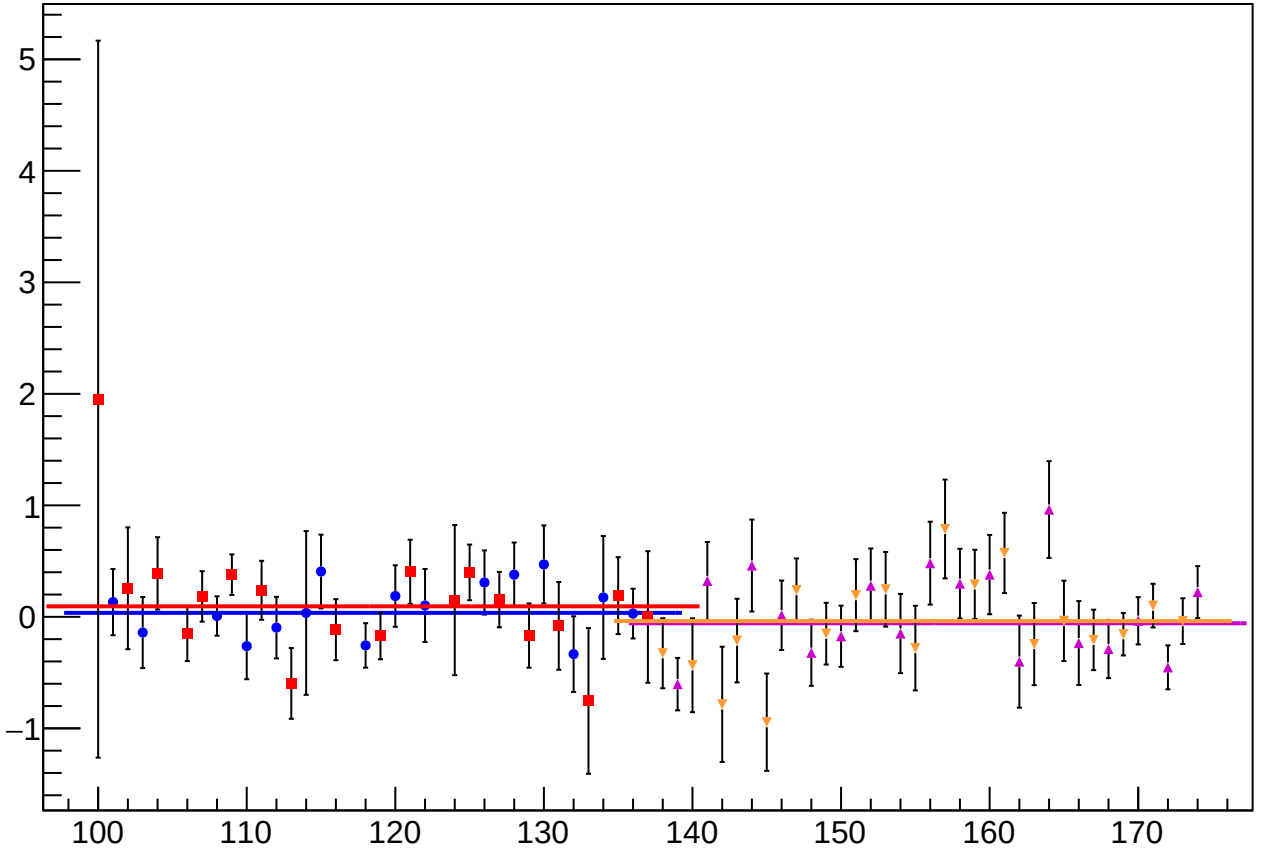
Left In: 255.812+/-0.049 χ^2/NDF:1569577.2/17

+ sign 217.501+/-0.035 χ^2/NDF: 4204244.2/34

All: 214.217+/-0.024 χ^2/NDF: 8834136.7/71

- 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: -0.038+/-0.069 χ^2/NDF:20.2/18

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

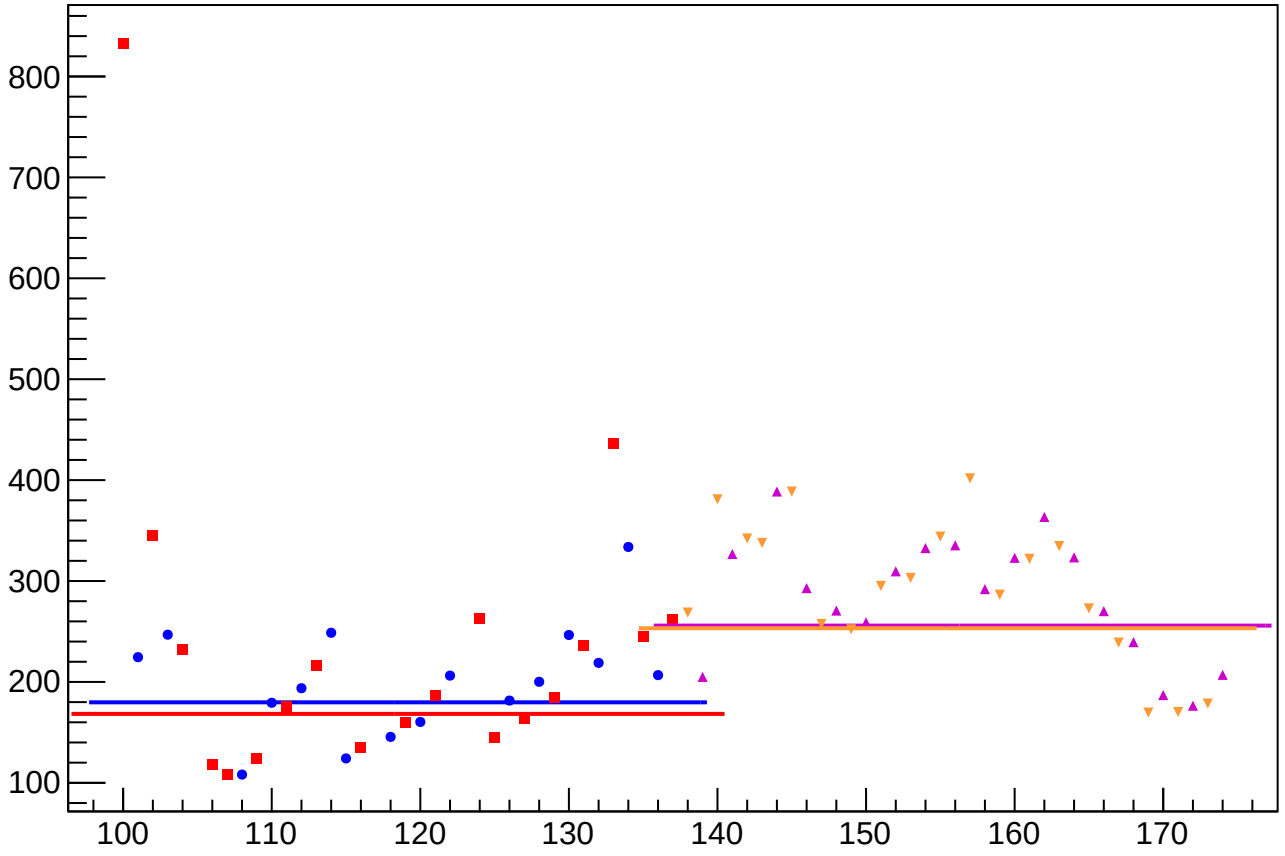
Left In: -0.058+/-0.069 χ^2/NDF:27.8/17

+ sign -0.002+/-0.049 χ^2/NDF: 31.3/34

All: 0.009+/-0.035 χ^2/NDF: 79.3/71

- 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: 253.196+/-0.049 χ^2/NDF:2174562.1/18

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

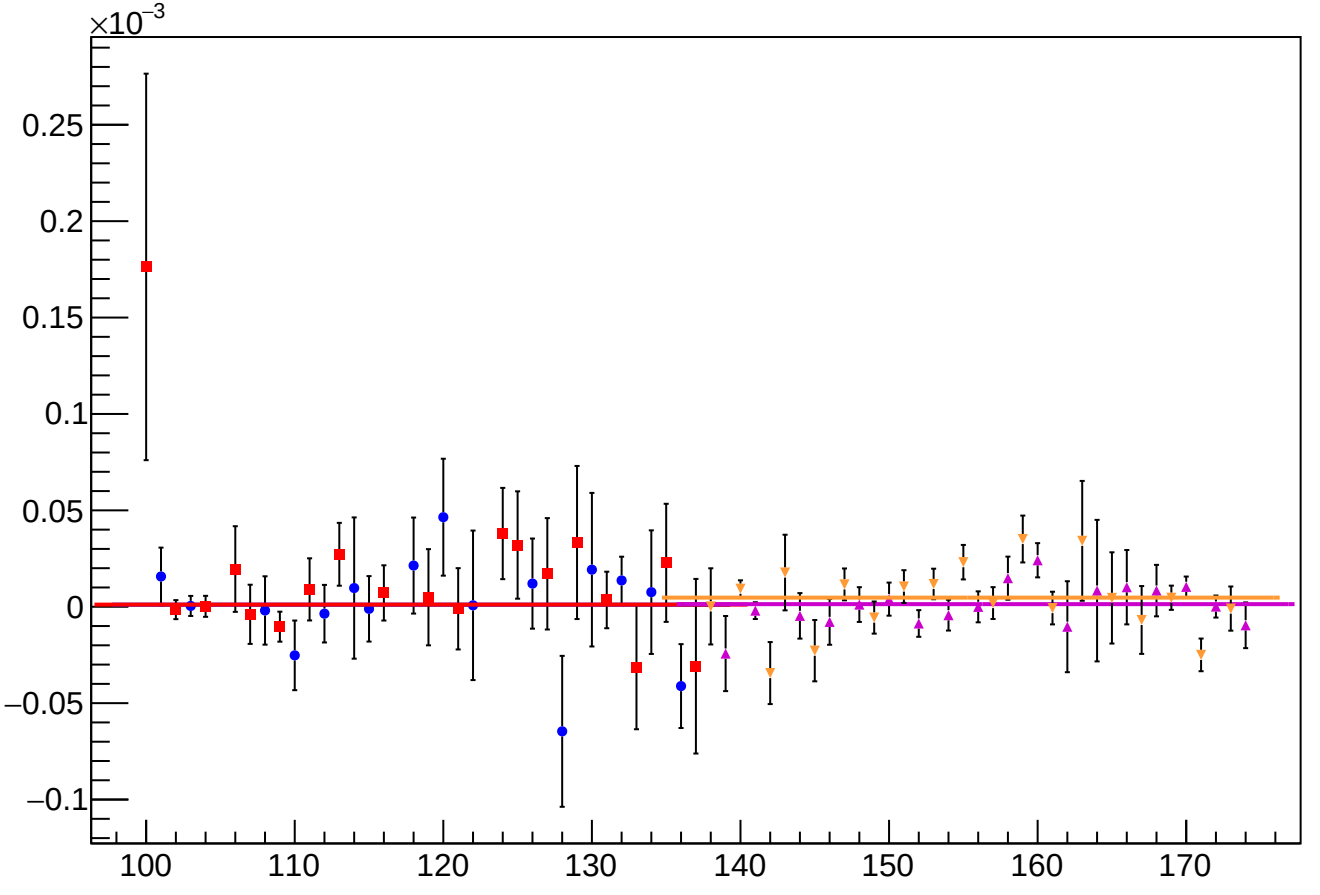
Left In: 255.812+/-0.049 χ^2/NDF:1569577.2/17

+ sign 217.501+/-0.035 χ^2/NDF: 4204244.2/34

All: 214.217+/-0.024 χ^2/NDF: 8834136.7/71

- 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:38.9/18

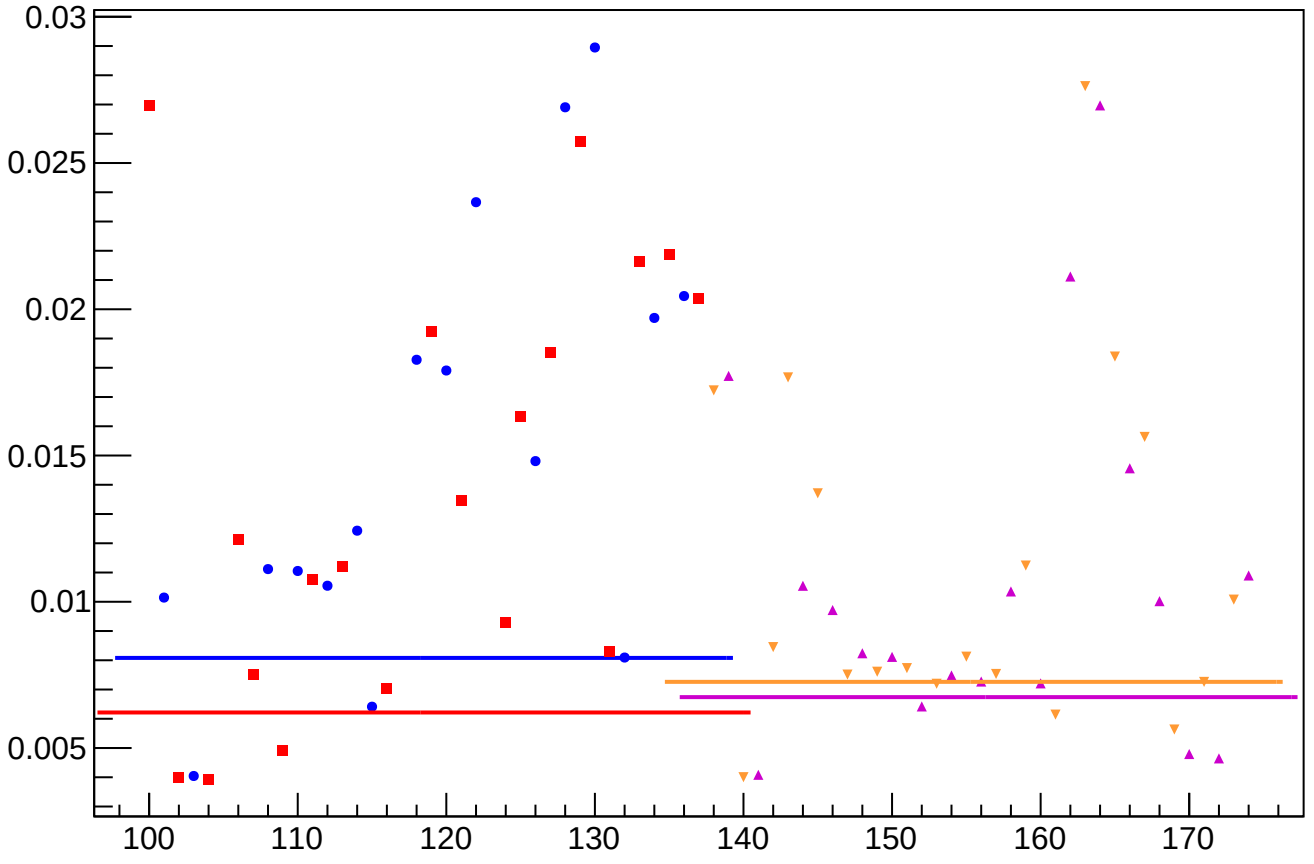
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:18.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 53.9/34

All: 0.000+/-0.000 χ^2/NDF: 89.5/71

- 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:4815794.7/18

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

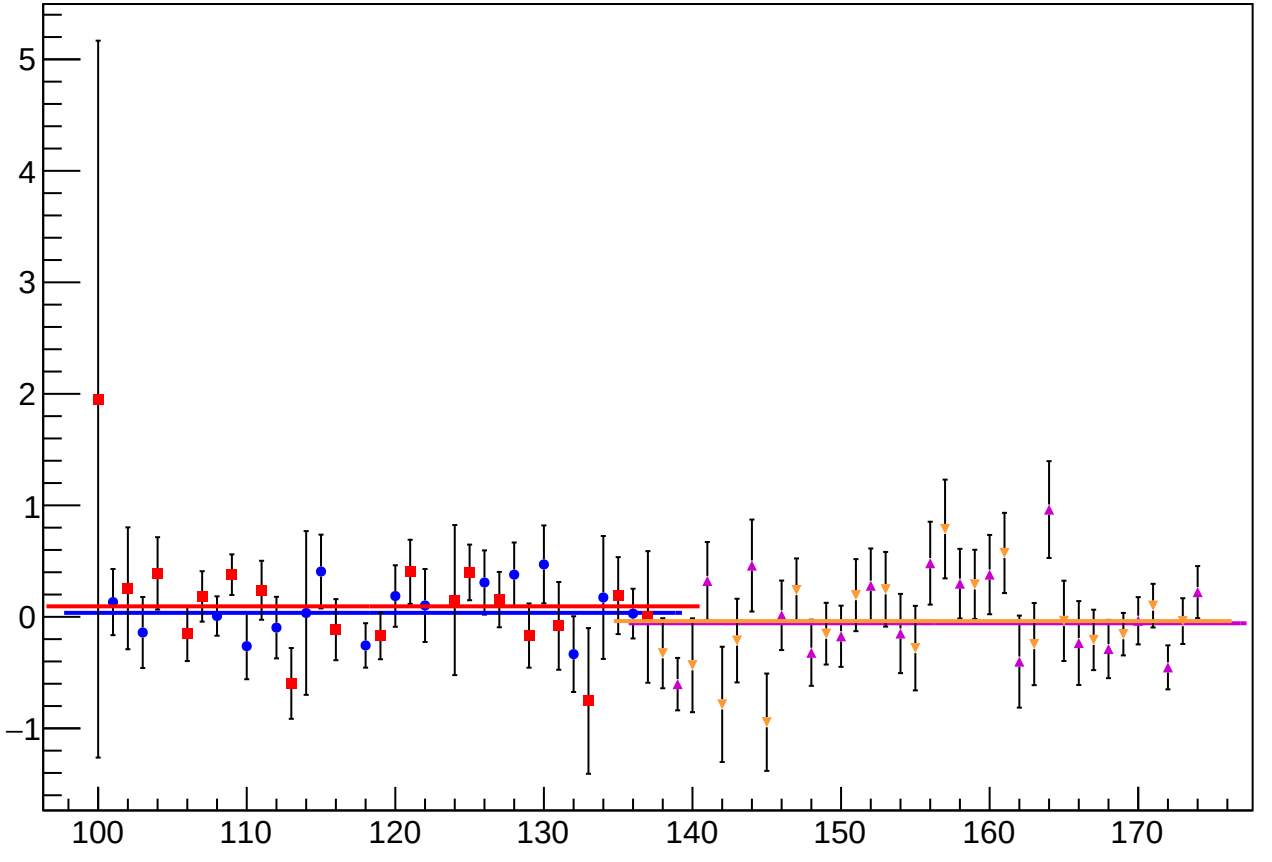
Left In: 0.007+/-0.000 χ^2/NDF:4646855.1/17

+ sign 0.007+/-0.000 χ^2/NDF: 9302767.4/34

All: 0.007+/-0.000 χ^2/NDF: 18824862.0/71

- 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: -0.038+/-0.069 χ^2/NDF:20.2/18

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

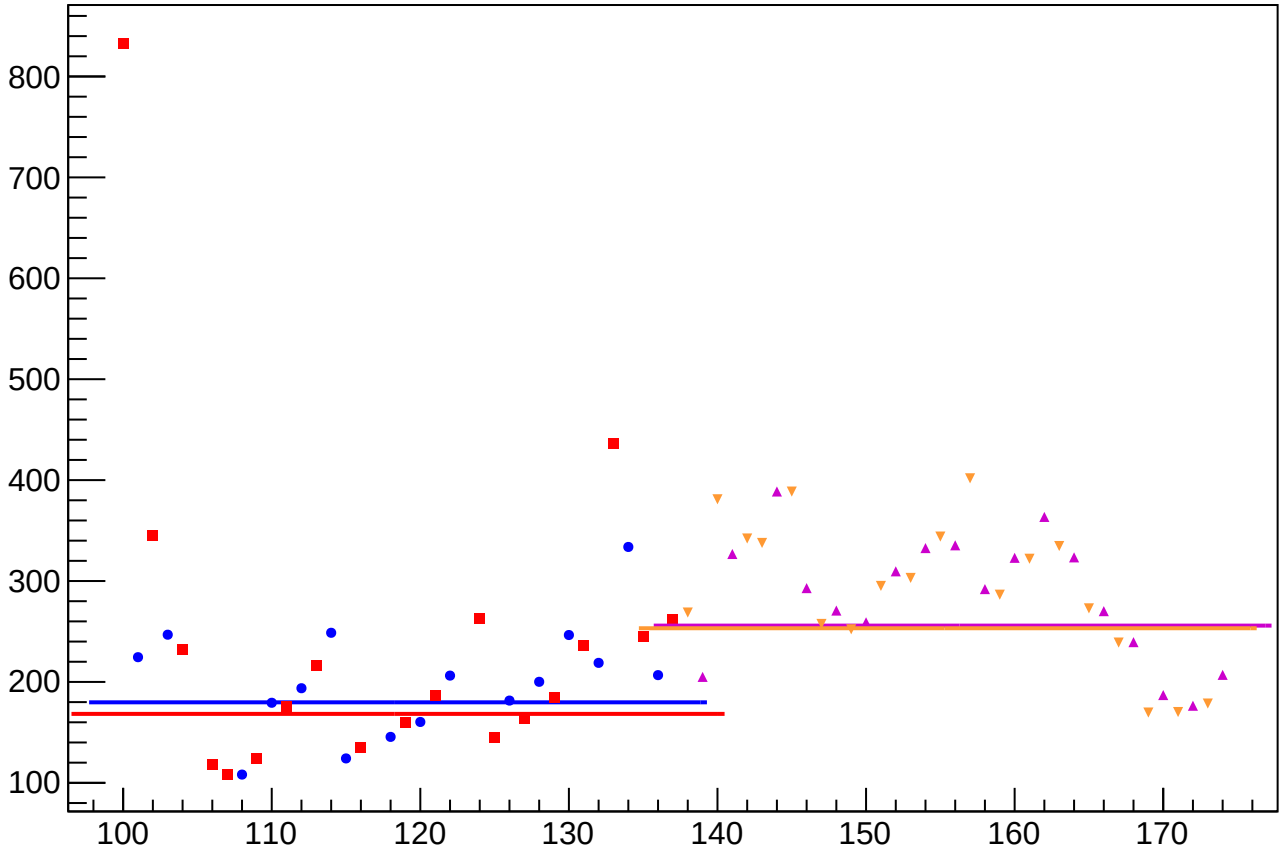
Left In: -0.058+/-0.069 χ^2/NDF:27.8/17

+ sign -0.002+/-0.049 χ^2/NDF: 31.3/34

All: 0.009+/-0.035 χ^2/NDF: 79.3/71

- 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: 253.198+/-0.049 χ^2/NDF:2174691.3/18

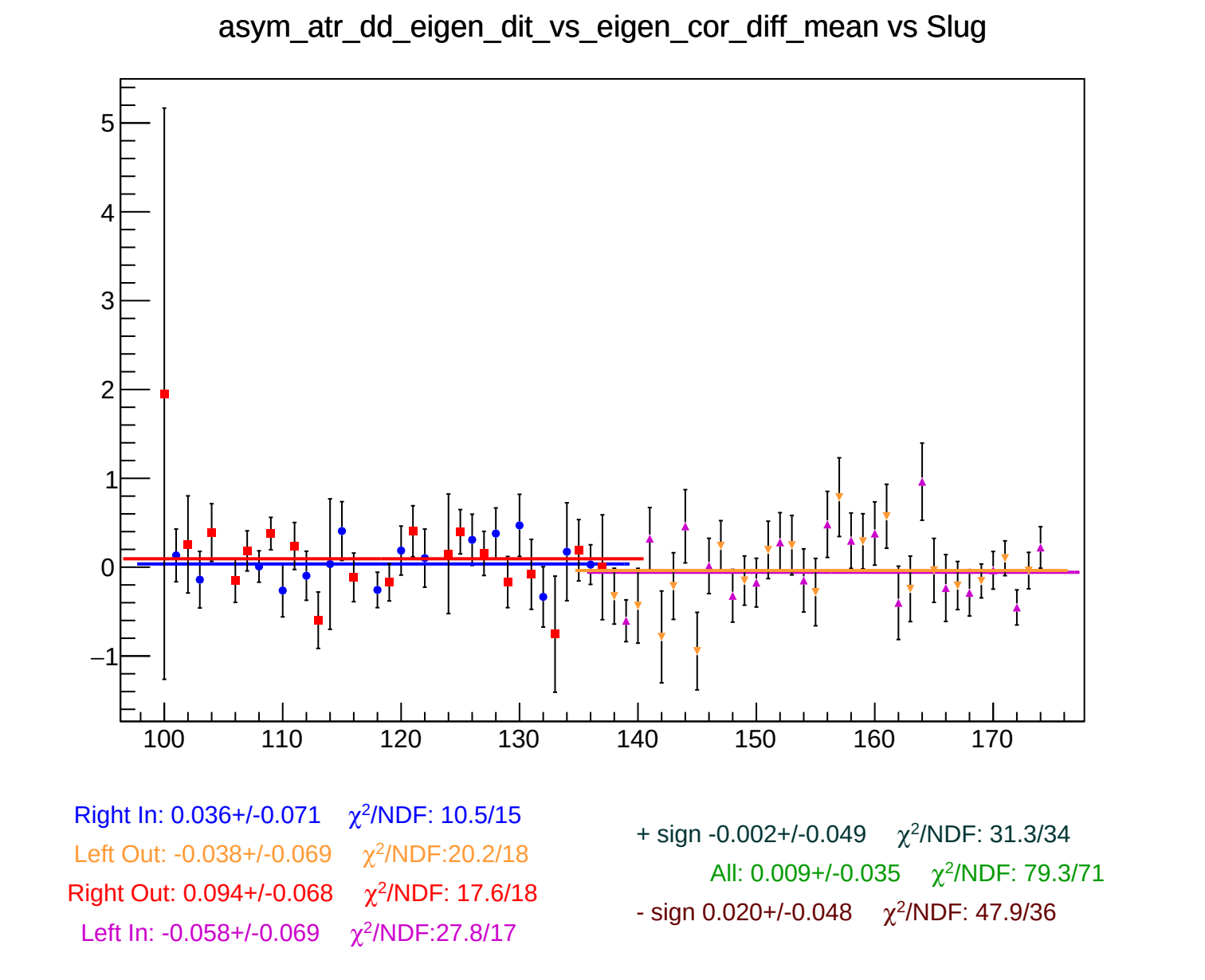
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

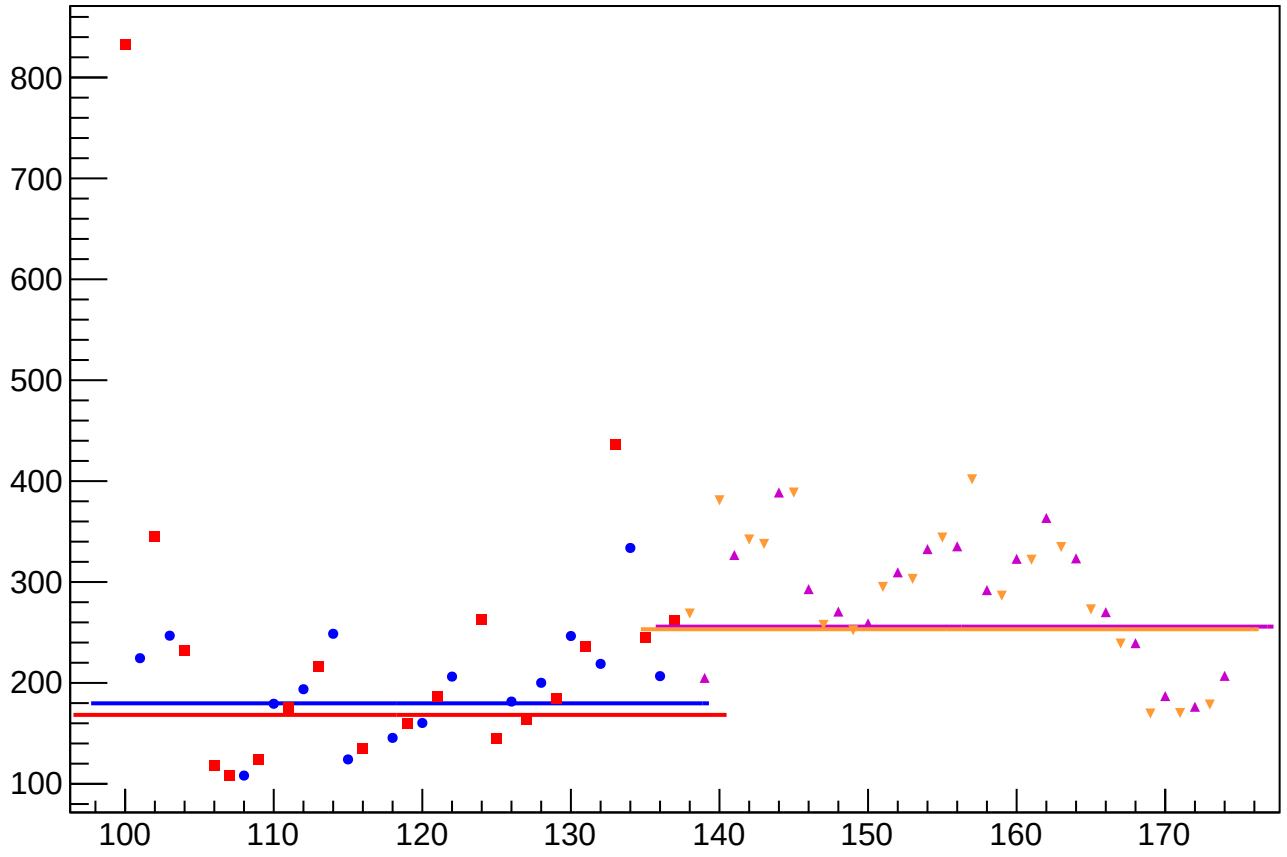
Left In: 255.815+/-0.049 χ^2/NDF:1569628.5/17

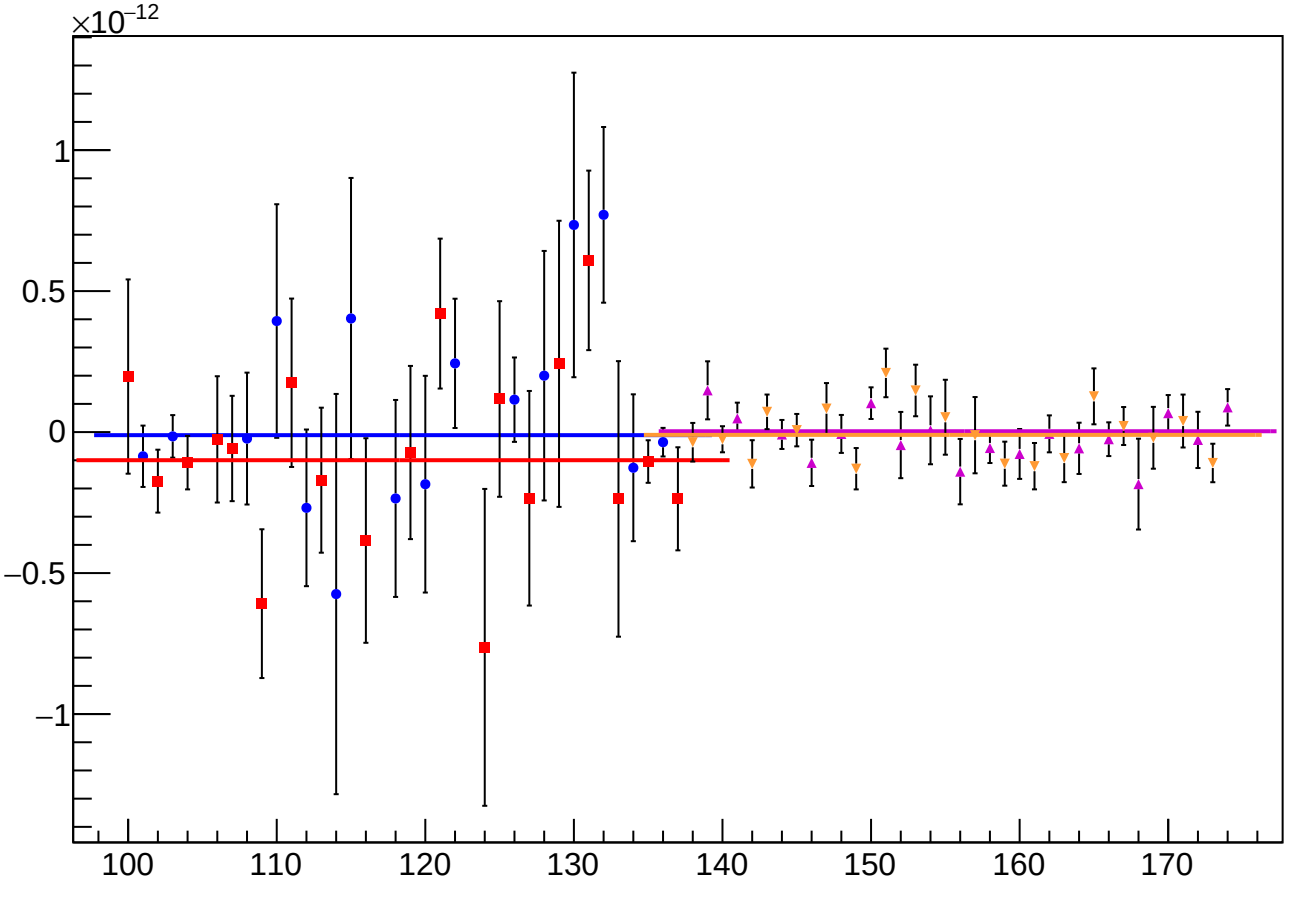
+ sign 217.500+/-0.035 χ^2/NDF: 4204550.6/34

All: 214.217+/-0.024 χ^2/NDF: 8834572.1/71

- 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: -0.038+/-0.069 χ²/NDF:20.2/18
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.058+/-0.069 χ²/NDF:27.8/17
+ sign -0.002+/-0.049 χ²/NDF: 31.3/34
All: 0.009+/-0.035 χ²/NDF: 79.3/71
- sign 0.020+/-0.048 χ²/NDF: 47.9/36


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
800
700
600
500
400
300
200
100
100
110
120
130
140
150
160
170
Right In: 179.793+/-0.050 χ²/NDF: 918583.7/15
Left Out: 253.198+/-0.049 χ²/NDF:2174691.3/18
Right Out: 168.334+/-0.048 χ²/NDF: 1409289.2/18
Left In: 255.815+/-0.049 χ²/NDF:1569628.5/17
+ sign 217.500+/-0.035 χ²/NDF: 4204550.6/34
All: 214.217+/-0.024 χ²/NDF: 8834572.1/71
- sign 211.044+/-0.034 χ²/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:26.0/18

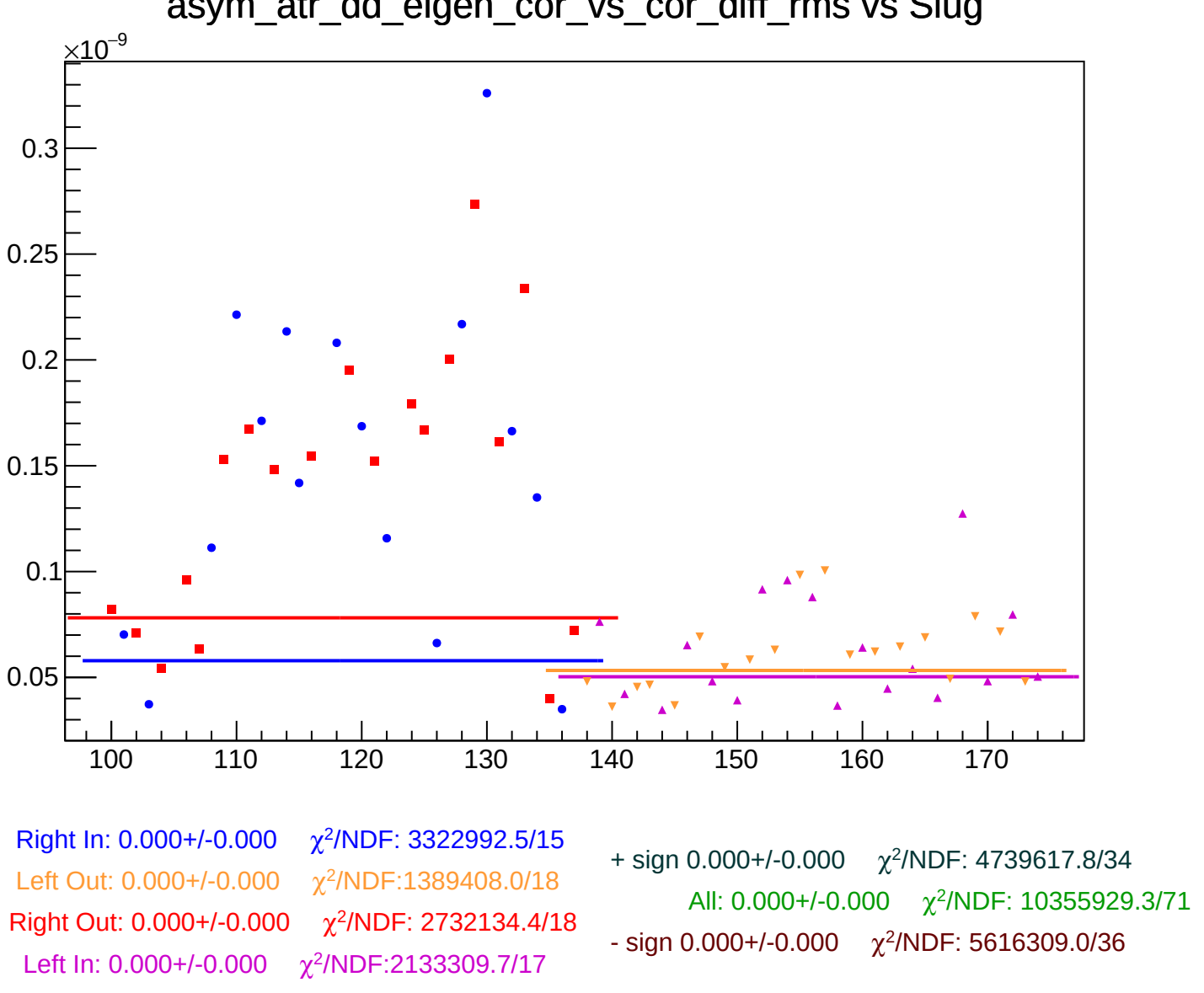
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.4/17

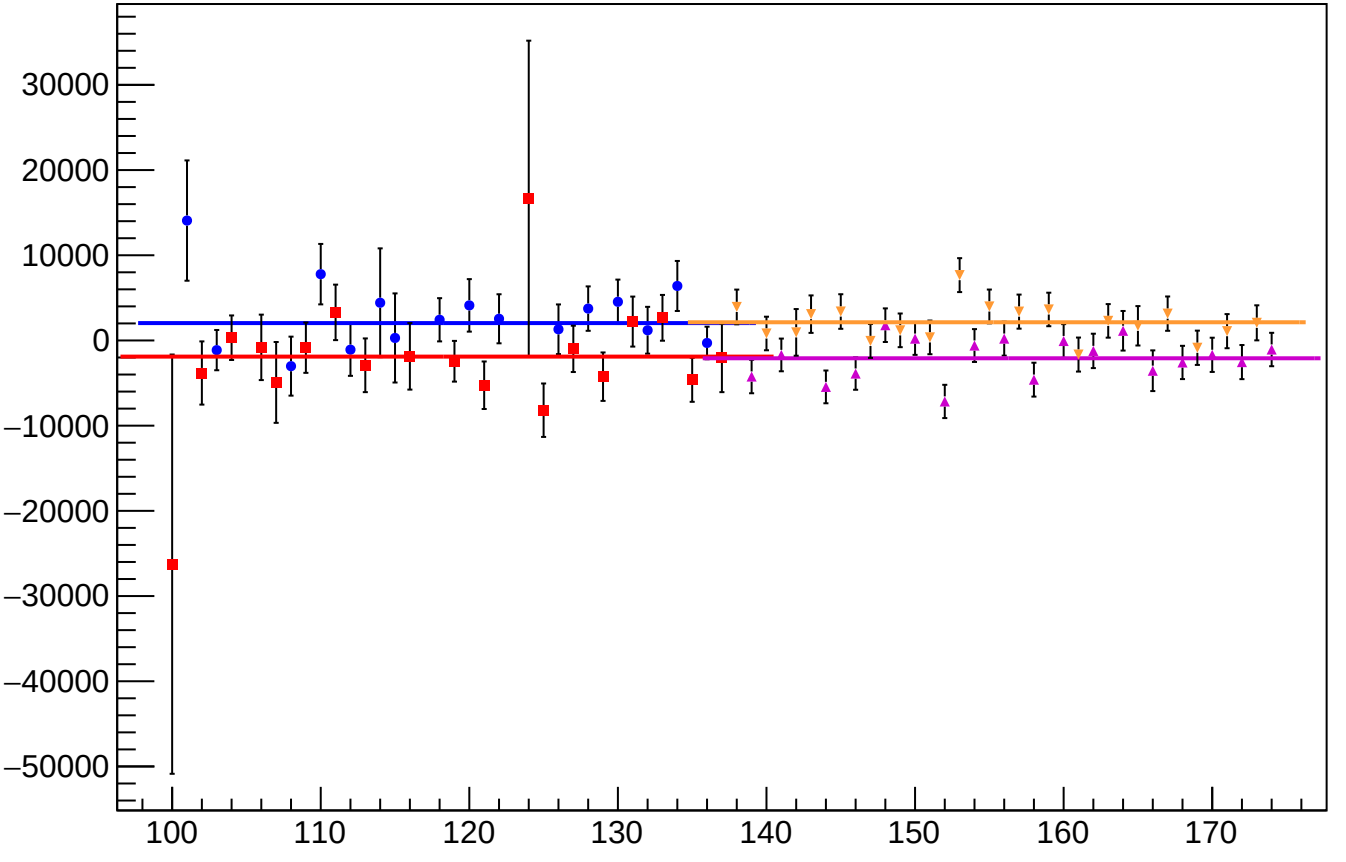
+ sign -0.000+/-0.000 χ^2/NDF: 41.1/34

All: -0.000+/-0.000 χ^2/NDF: 81.0/71

- sign -0.000+/-0.000 χ^2/NDF: 39.9/36


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3322992.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1389408.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 2732134.4/18
Left In: 0.000+/-0.000 χ²/NDF:2133309.7/17
+ sign 0.000+/-0.000 χ²/NDF: 4739617.8/34
All: 0.000+/-0.000 χ²/NDF: 10355929.3/71
- sign 0.000+/-0.000 χ²/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: 2135.747+/-469.534 χ^2/NDF:20.2/18

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

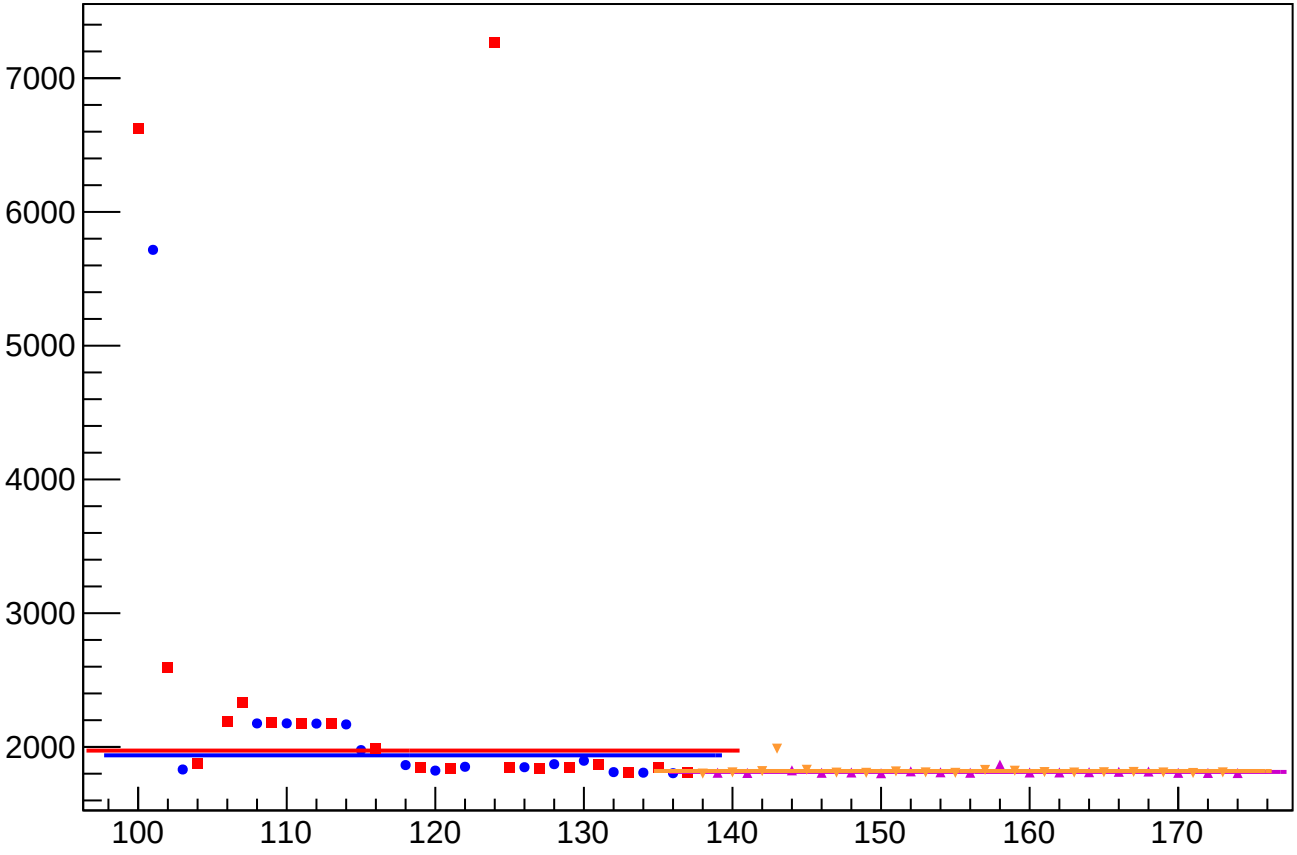
Left In: -2091.469+/-470.029 χ^2/NDF:24.7/17

+ sign 2107.835+/-395.875 χ^2/NDF: 36.7/34

All: 38.564+/-280.061 χ^2/NDF: 134.6/71

- 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: 1820.205+/-0.332 χ^2/NDF:12536.8/18

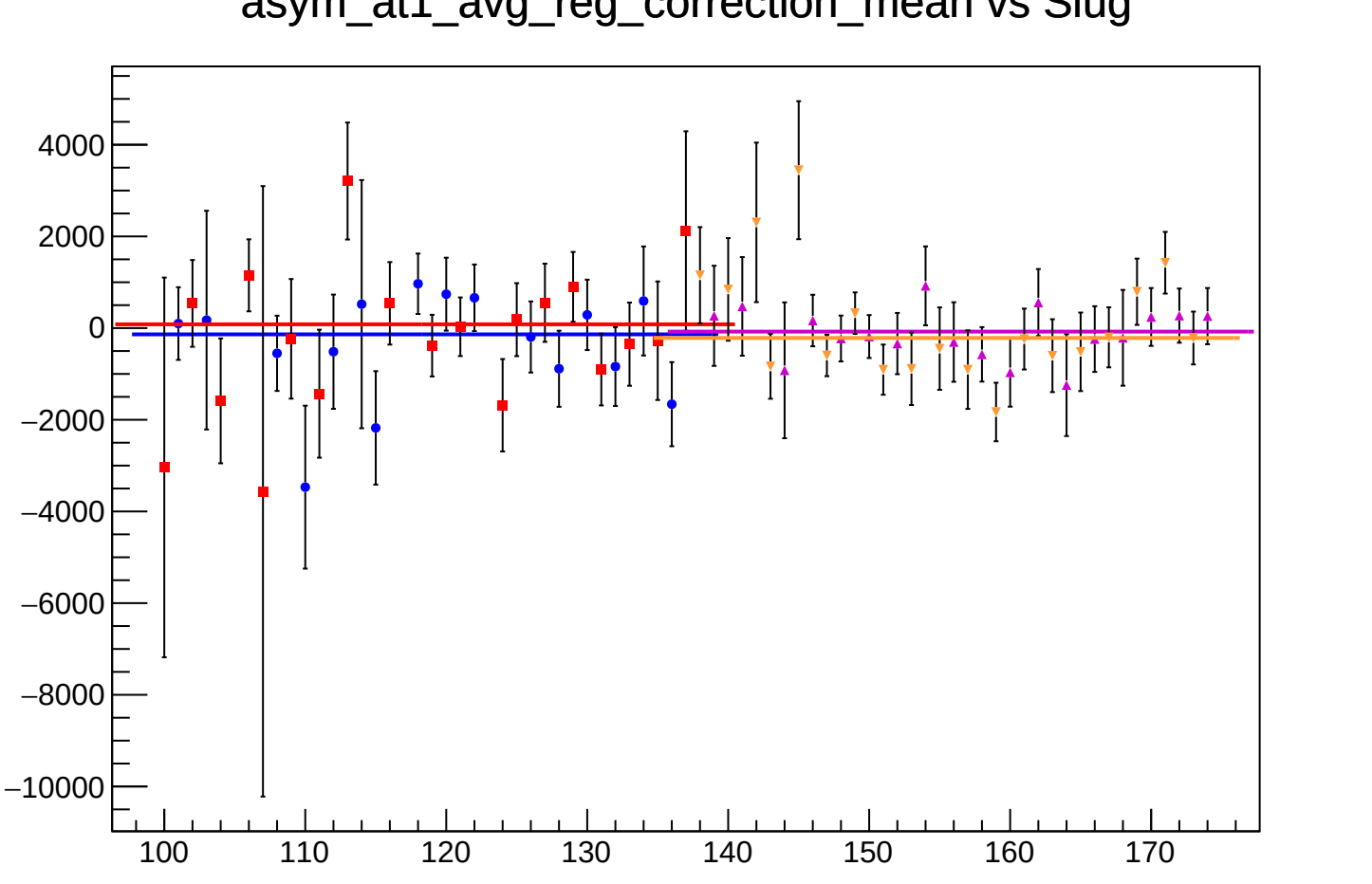
Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1813.232+/-0.332 χ^2/NDF:1823.1/17

+ sign 1854.048+/-0.280 χ^2/NDF: 686564.9/34

All: 1856.711+/-0.198 χ^2/NDF: 1132749.3/71

- 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: -215.172+/-160.278 χ^2/NDF:31.2/18

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

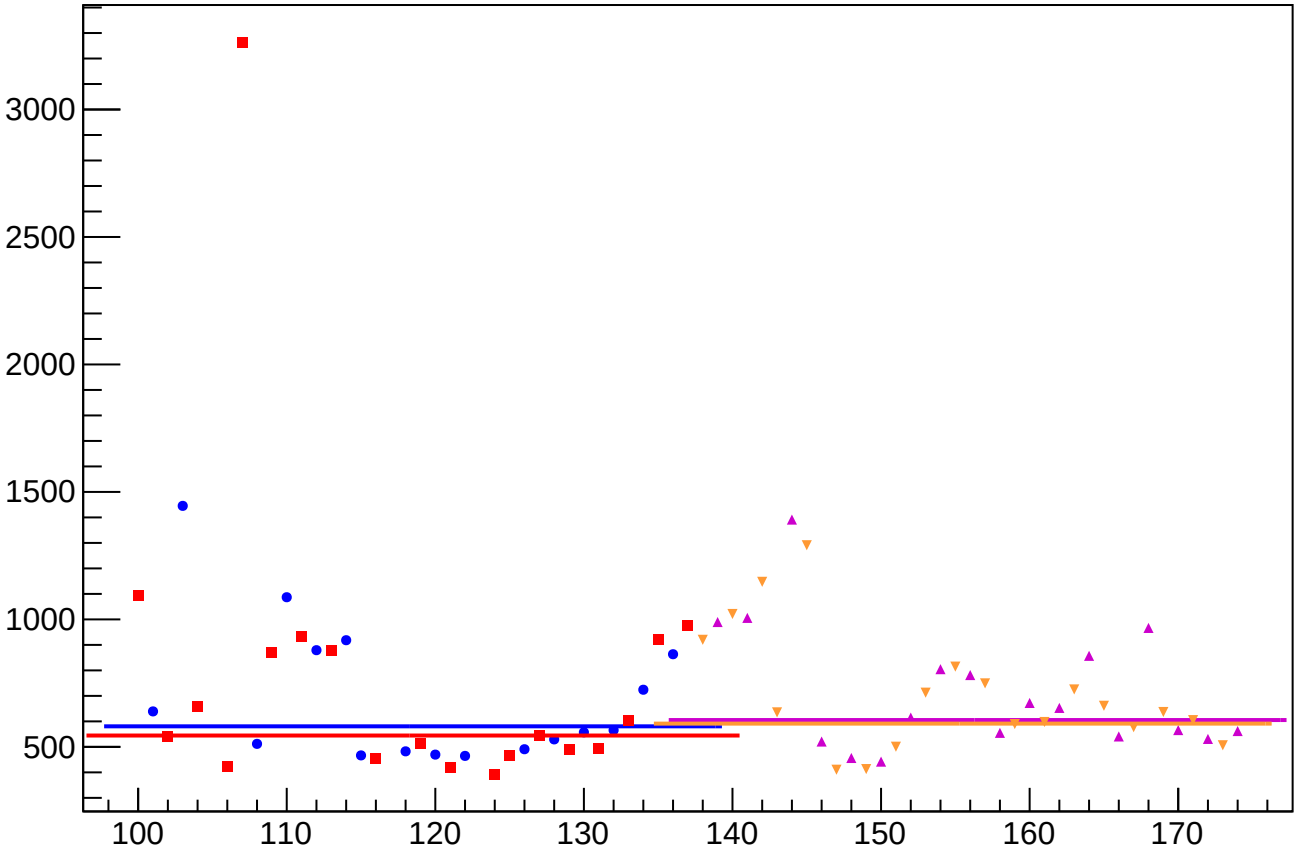
Left In: -76.460+/-164.379 χ^2/NDF:7.5/17

+ sign -189.567+/-131.579 χ^2/NDF: 48.2/34

All: -105.249+/-93.228 χ^2/NDF: 76.6/71

- 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: 591.208+/-0.113 χ^2/NDF:2183340.3/18

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

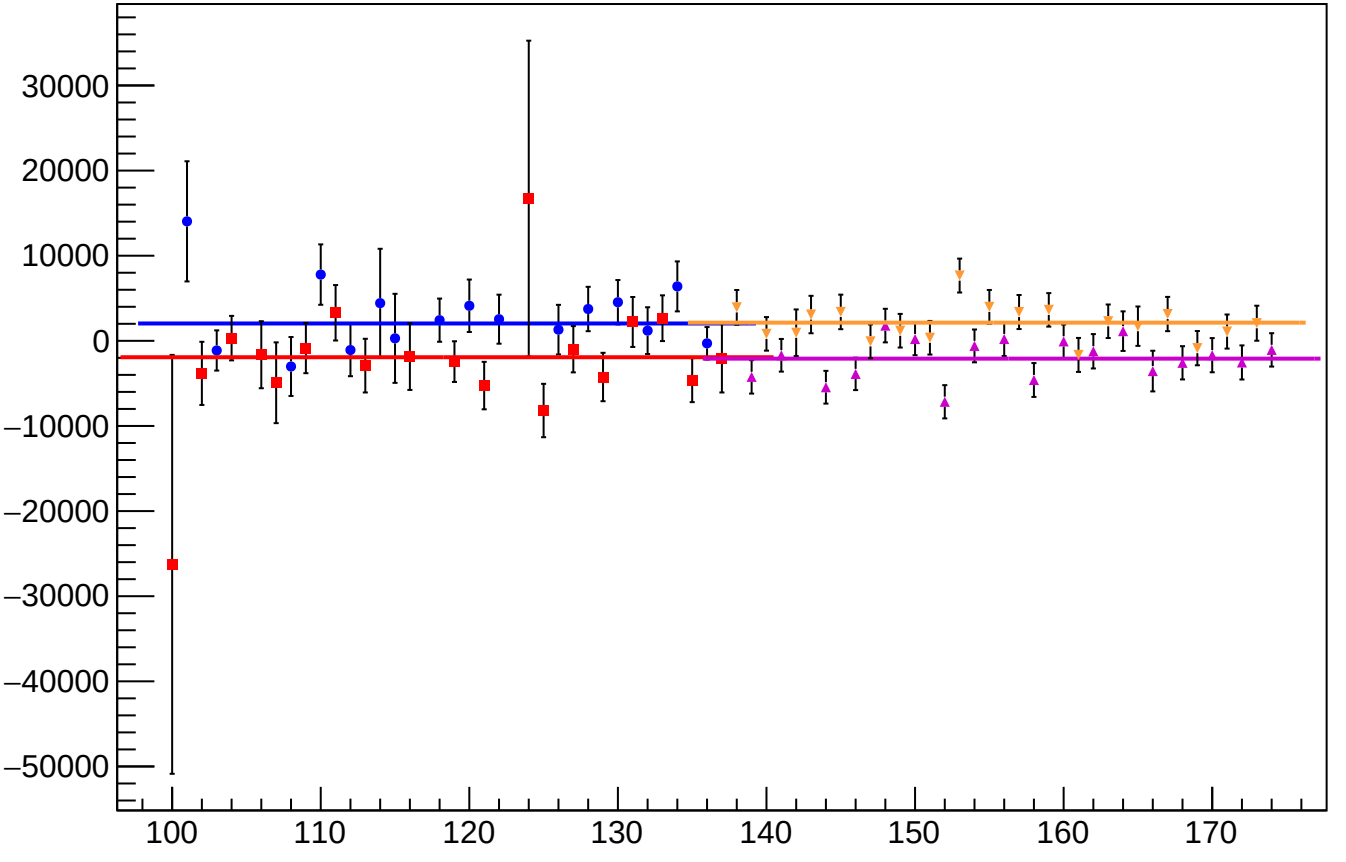
Left In: 605.243+/-0.116 χ^2/NDF:2190378.8/17

+ sign 587.753+/-0.093 χ^2/NDF: 3189601.9/34

All: 585.758+/-0.066 χ^2/NDF: 6765150.9/71

- 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: 2135.732+/-469.534 χ^2/NDF:20.2/18

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

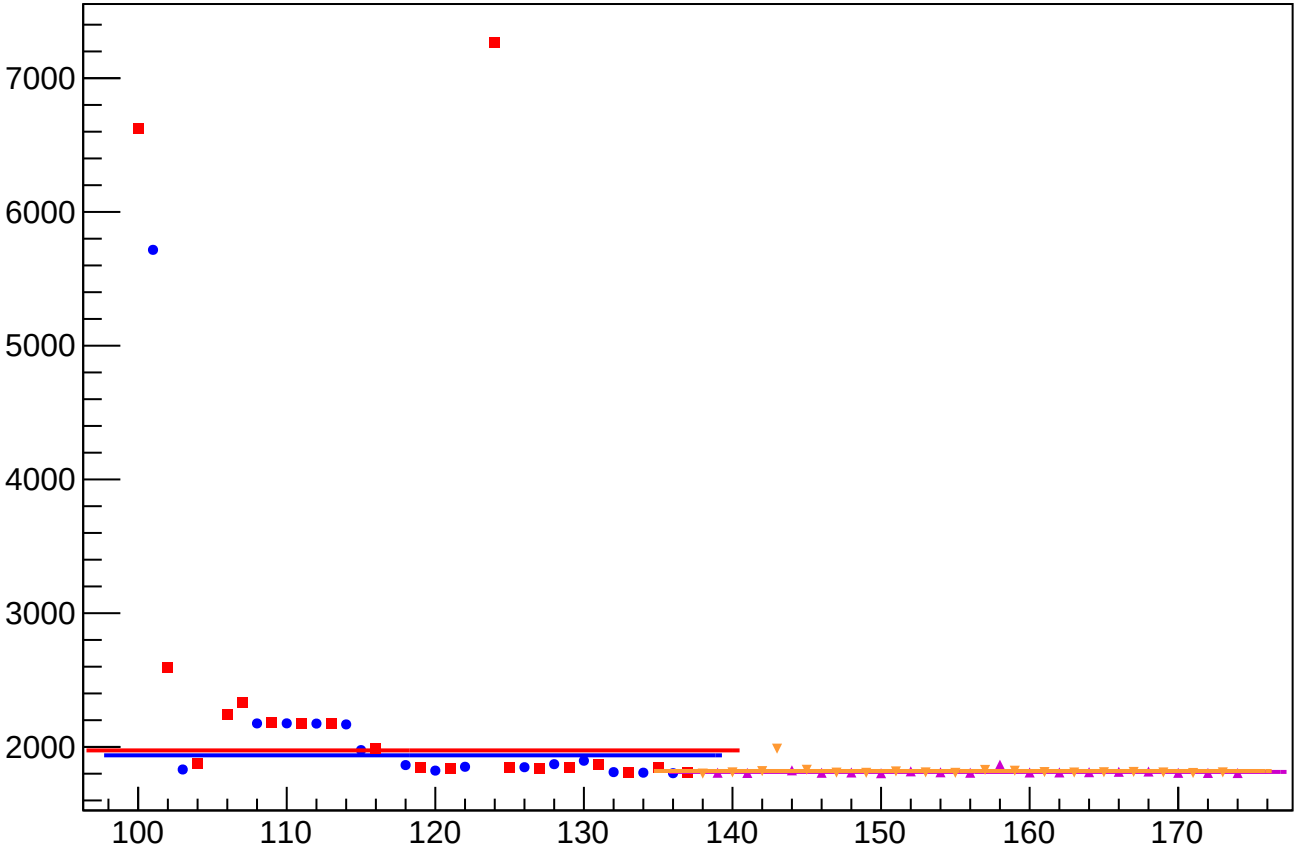
Left In: -2091.543+/-470.029 χ^2/NDF:24.7/17

+ sign 2107.717+/-395.875 χ^2/NDF: 36.6/34

All: 34.495+/-280.097 χ^2/NDF: 134.8/71

- 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: 1820.205+/-0.332 χ^2/NDF:12536.8/18

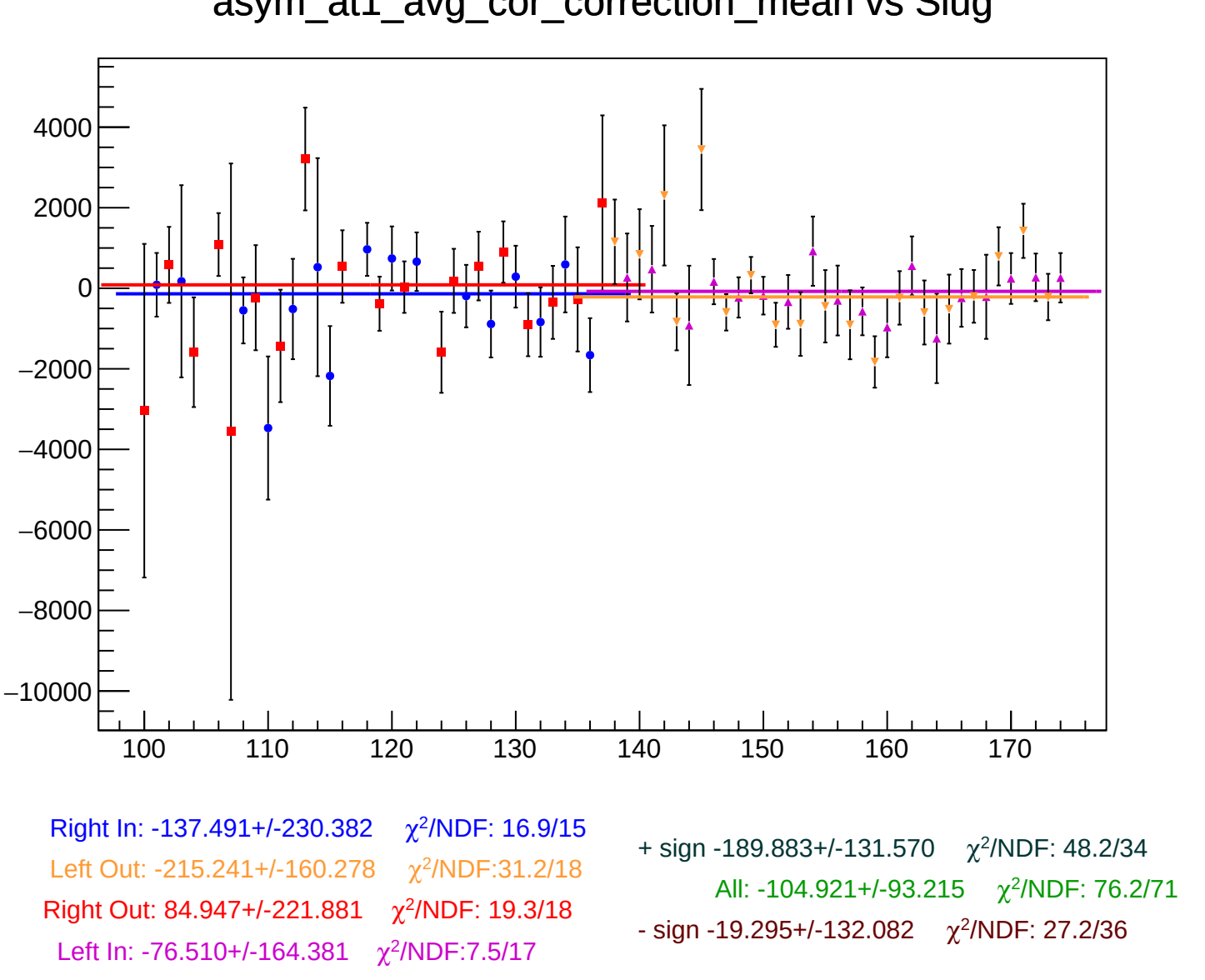
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.232+/-0.332 χ^2/NDF:1823.1/17

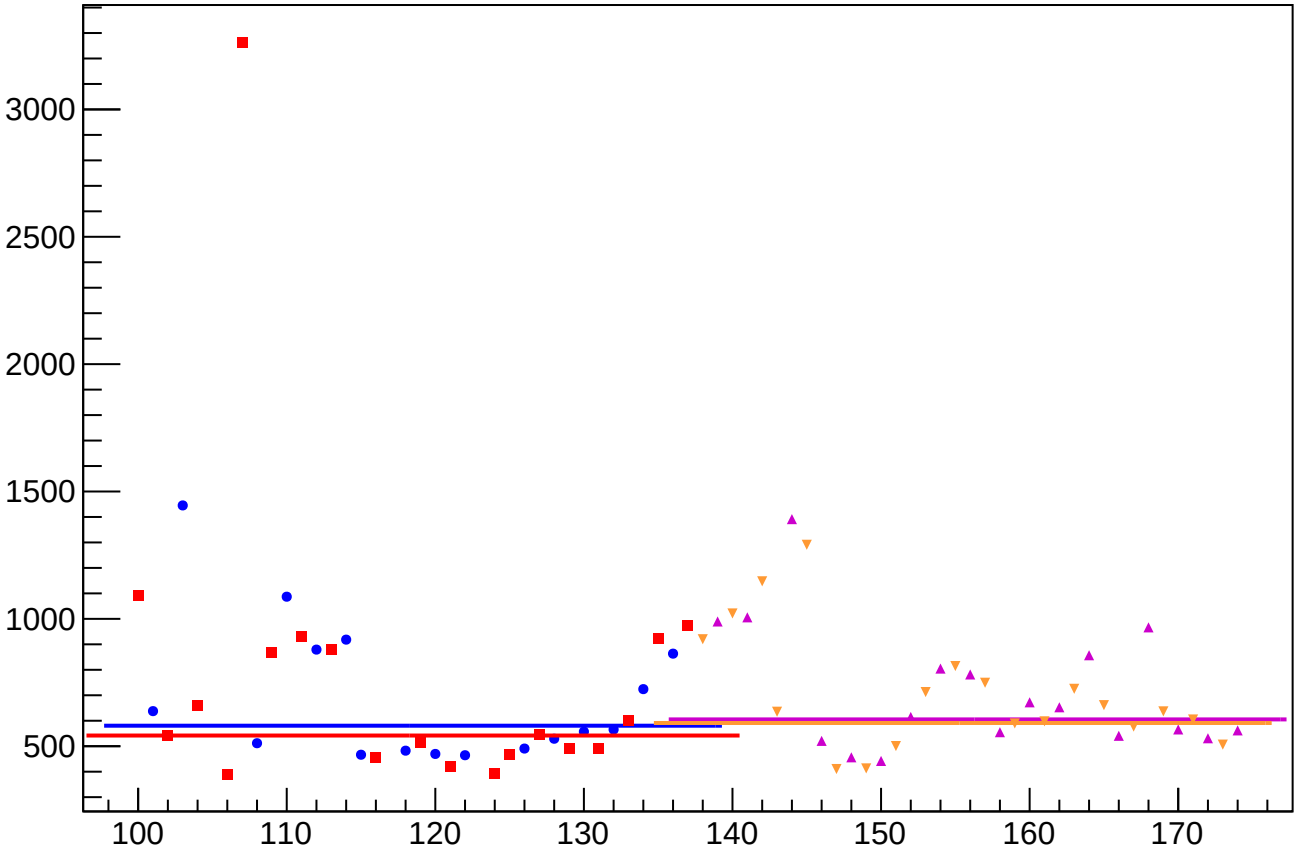
+ sign 1854.048+/-0.280 χ^2/NDF: 686564.9/34

All: 1856.882+/-0.198 χ^2/NDF: 1136752.6/71

- sign 1859.724+/-0.280 χ^2/NDF: 449982.3/36


asym_at1_avg_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
Right In: -137.491+/-230.382 χ²/NDF: 16.9/15
Left Out: -215.241+/-160.278 χ²/NDF:31.2/18
Right Out: 84.947+/-221.881 χ²/NDF: 19.3/18
Left In: -76.510+/-164.381 χ²/NDF:7.5/17
+ sign -189.883+/-131.570 χ²/NDF: 48.2/34
All: -104.921+/-93.215 χ²/NDF: 76.2/71
- sign -19.295+/-132.082 χ²/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: 591.206+/-0.113 χ^2/NDF:2183464.9/18

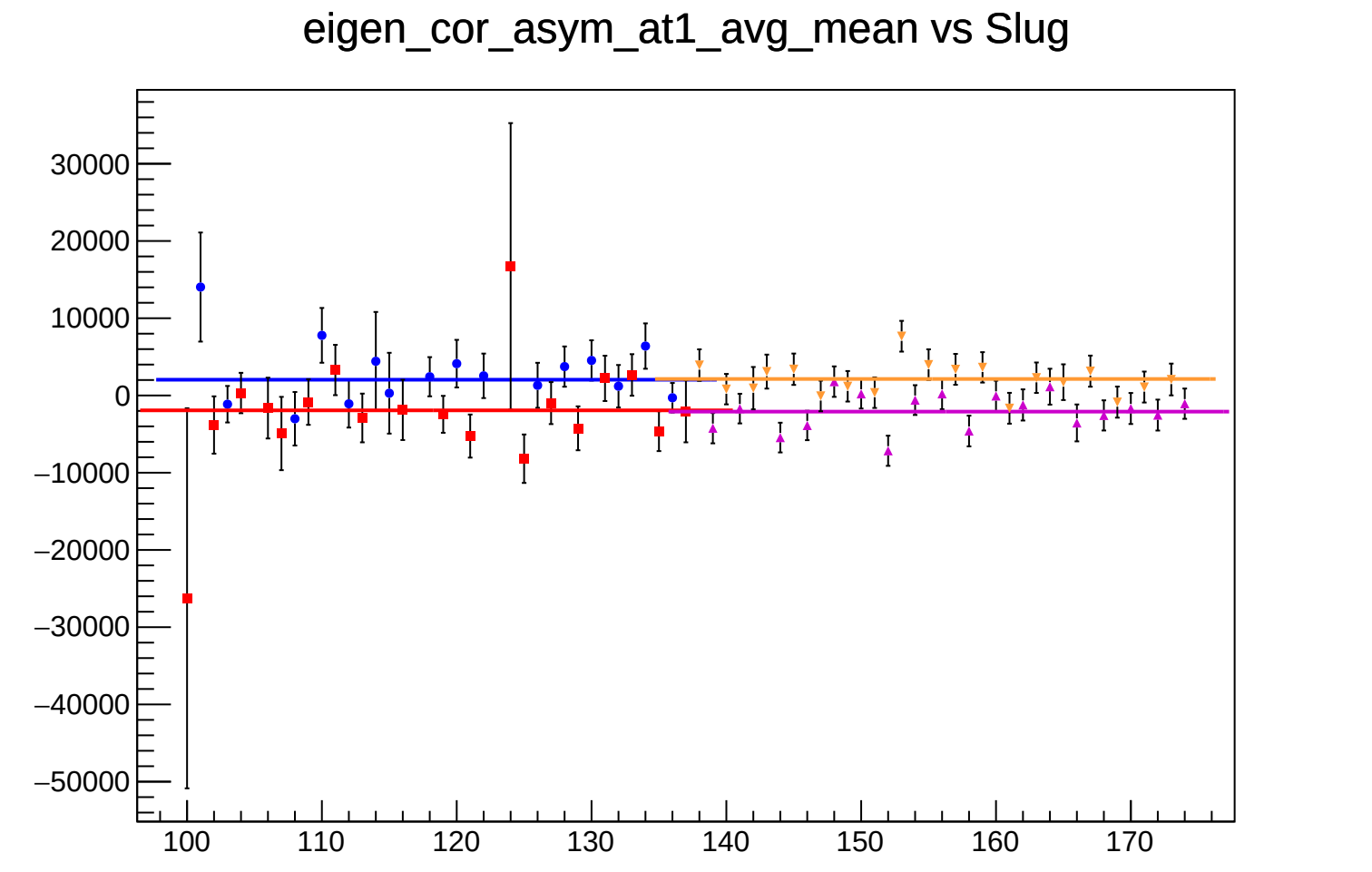
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 605.249+/-0.116 χ^2/NDF:2190413.8/17

+ sign 587.720+/-0.093 χ^2/NDF: 3189265.6/34

All: 585.277+/-0.066 χ^2/NDF: 6805045.4/71

- sign 582.814+/-0.093 χ^2/NDF: 3614394.5/36



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2135.732+/-469.534 χ^2/NDF:20.2/18

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

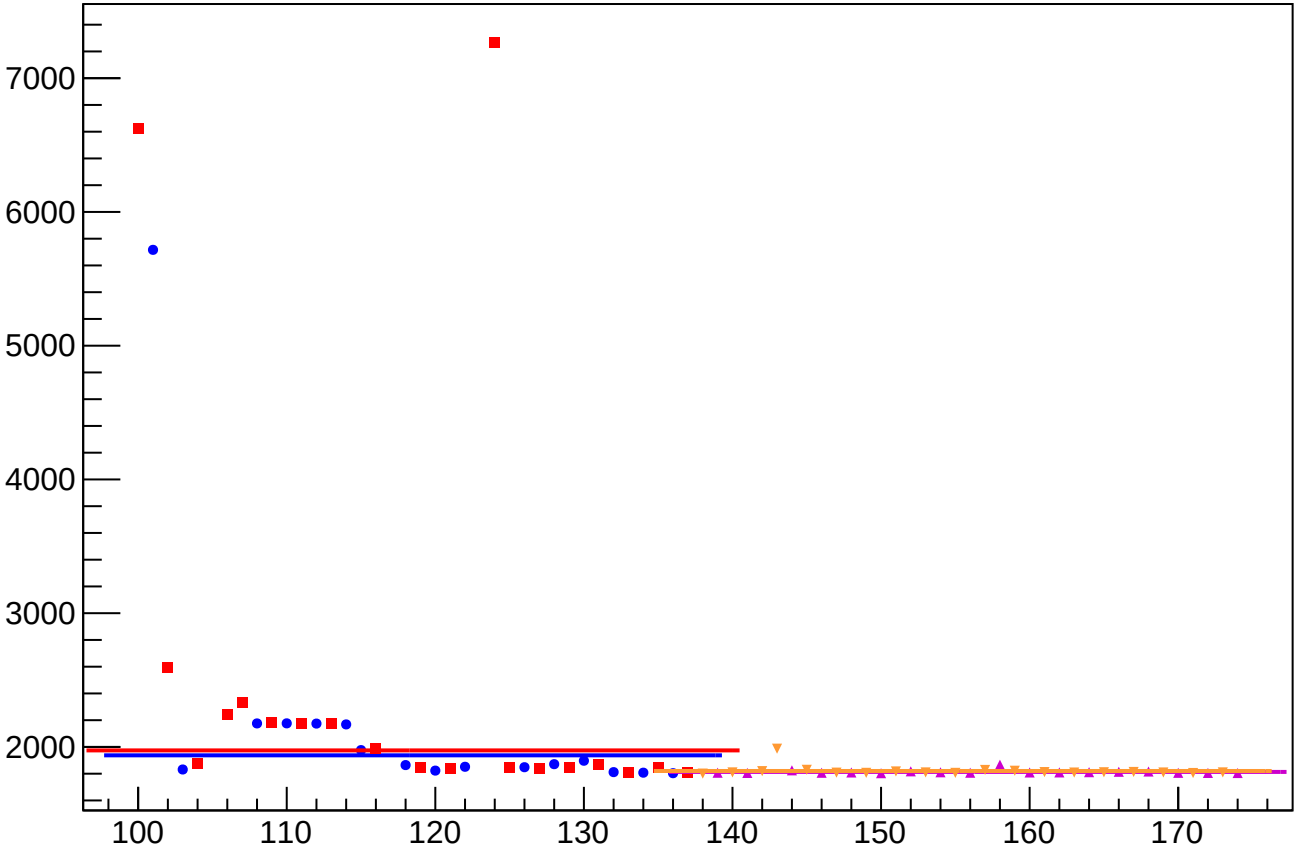
Left In: -2091.543+/-470.029 χ^2/NDF:24.7/17

+ sign 2107.717+/-395.875 χ^2/NDF: 36.6/34

All: 34.495+/-280.097 χ^2/NDF: 134.8/71

- 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: 1820.205+/-0.332 χ^2/NDF:12536.8/18

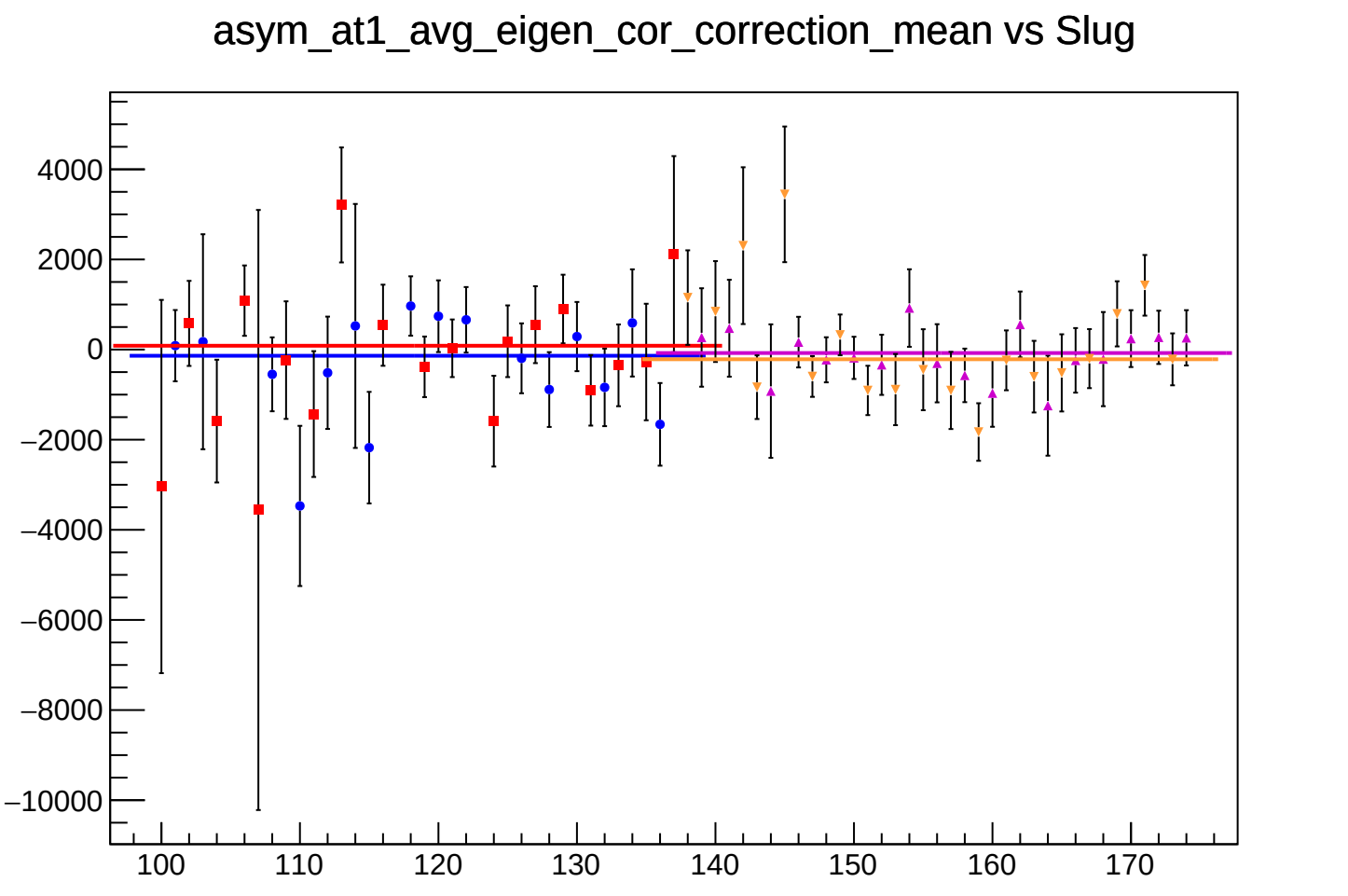
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.232+/-0.332 χ^2/NDF:1823.1/17

+ sign 1854.048+/-0.280 χ^2/NDF: 686564.9/34

All: 1856.882+/-0.198 χ^2/NDF: 1136752.6/71

- 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: -215.241+/-160.278 χ^2/NDF:31.2/18

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

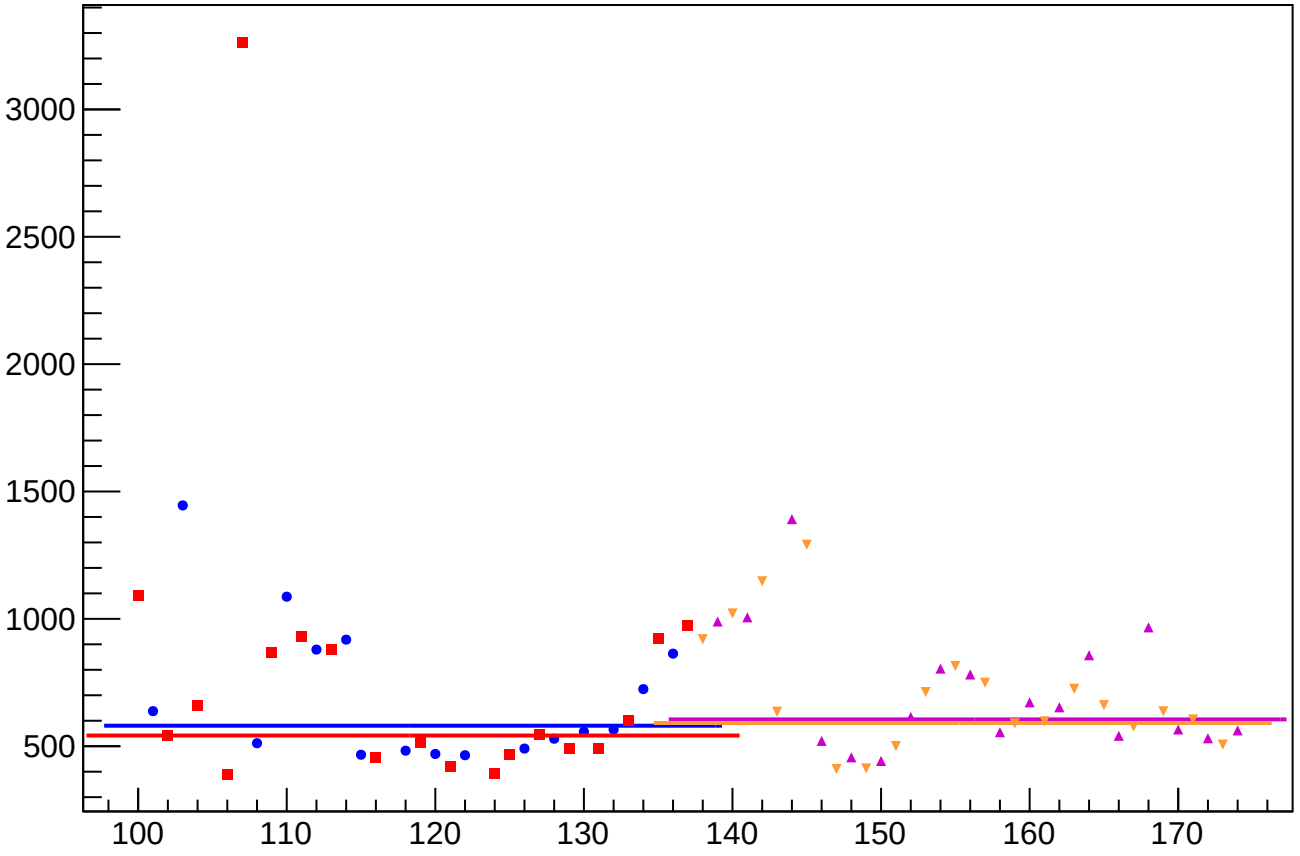
Left In: -76.510+/-164.381 χ^2/NDF:7.5/17

+ sign -189.883+/-131.570 χ^2/NDF: 48.2/34

All: -104.921+/-93.215 χ^2/NDF: 76.2/71

- 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: 591.206+/-0.113 χ^2/NDF:2183464.9/18

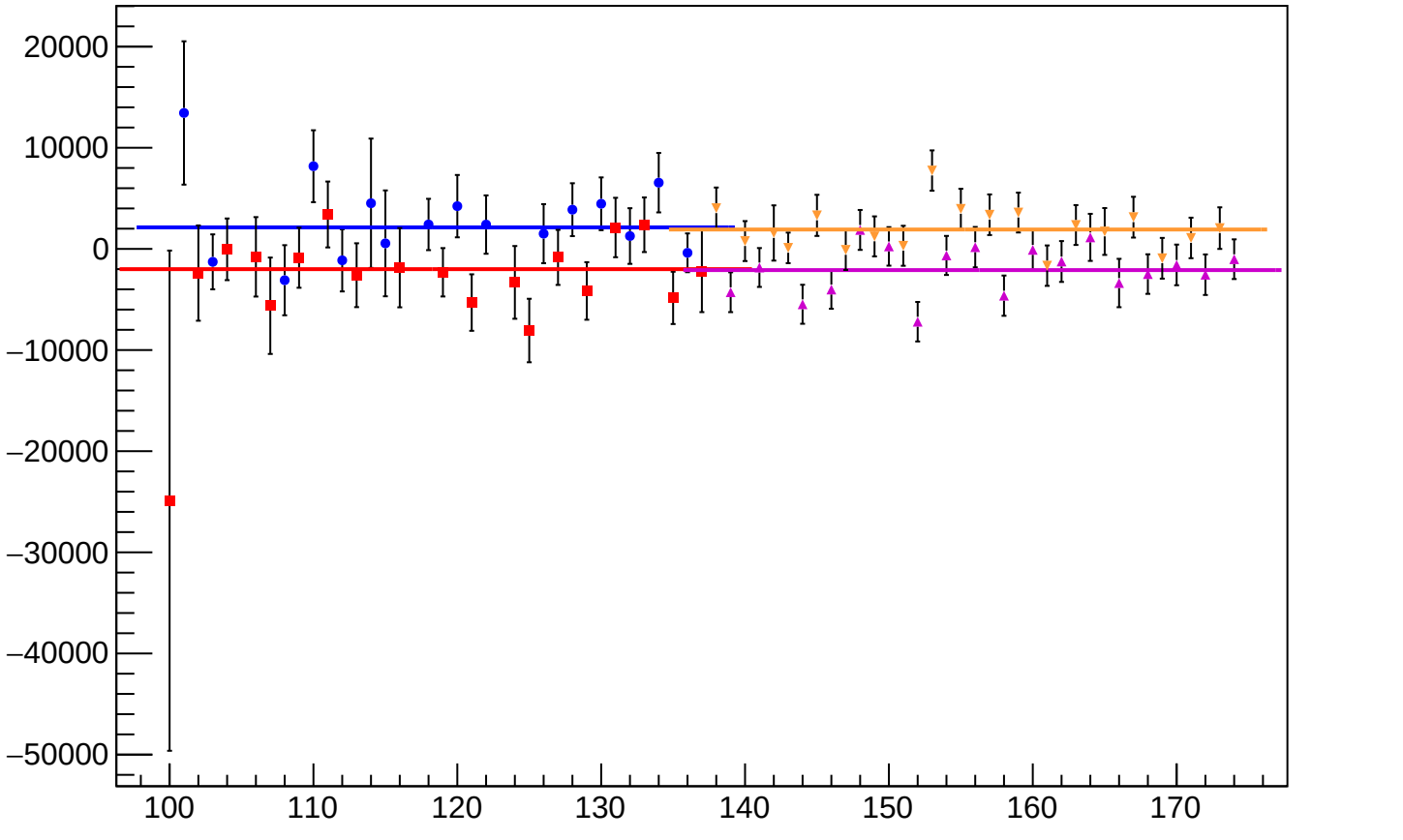
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 605.249+/-0.116 χ^2/NDF:2190413.8/17

+ sign 587.720+/-0.093 χ^2/NDF: 3189265.6/34

All: 585.277+/-0.066 χ^2/NDF: 6805045.4/71

- 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: 1917.031+/-458.416 χ^2/NDF:21.8/18

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

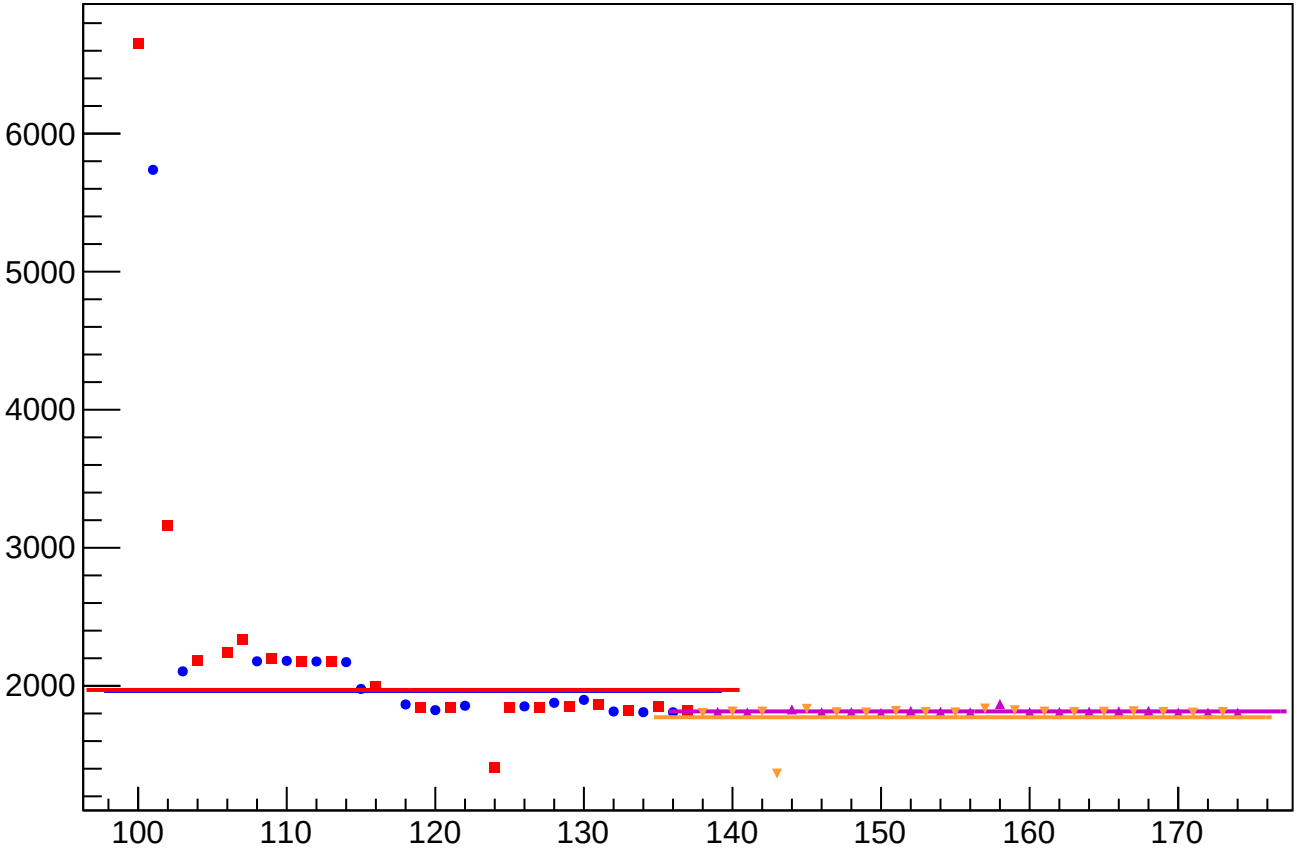
Left In: -2095.556+/-470.518 χ^2/NDF:25.1/17

+ sign 1975.036+/-390.603 χ^2/NDF: 38.4/34

All: -15.857+/-278.300 χ^2/NDF: 132.9/71

- 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: 1772.639+/-0.324 χ^2/NDF:161804.3/18

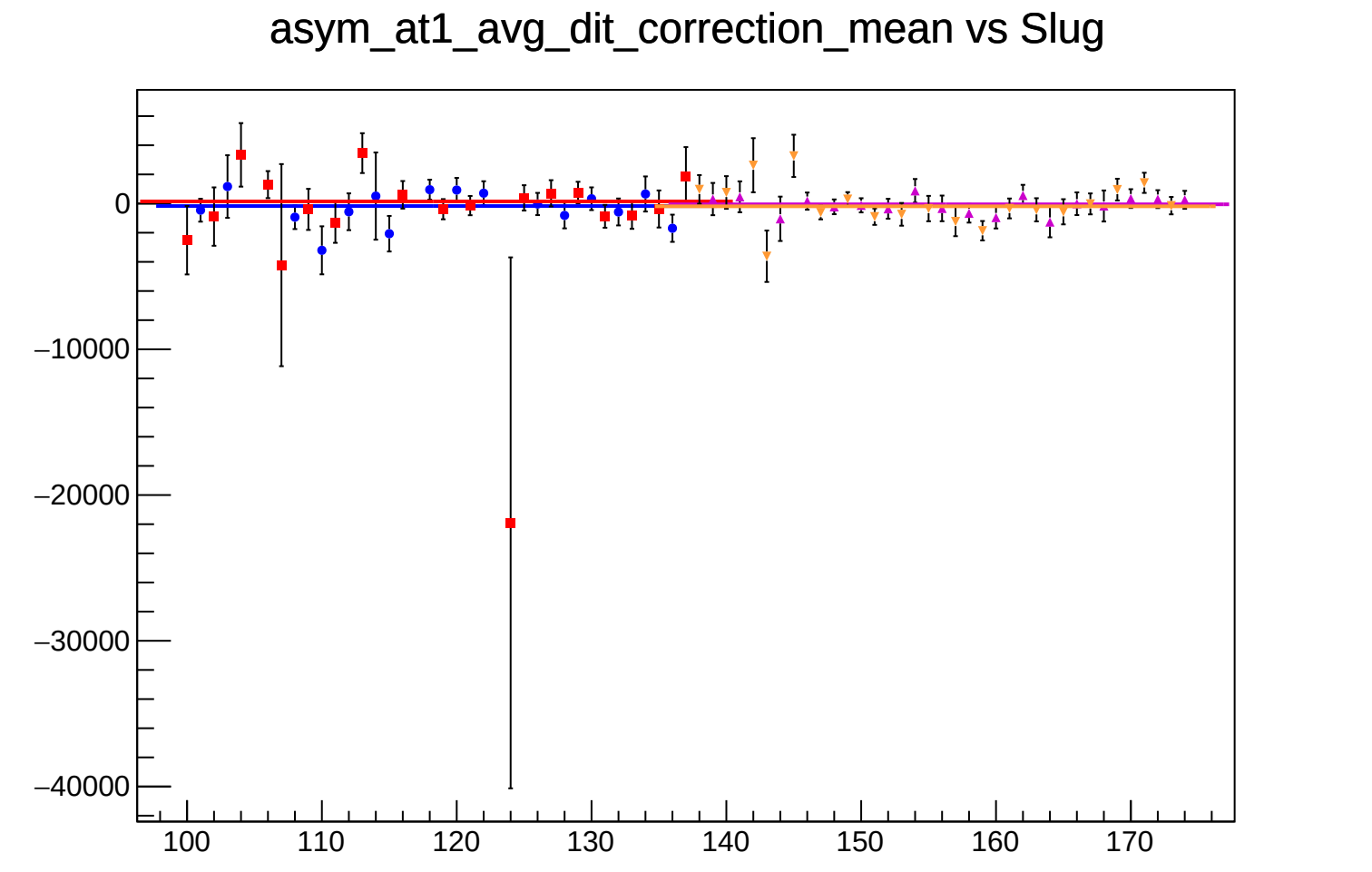
Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1815.098+/-0.333 χ^2/NDF:1885.5/17

+ sign 1824.907+/-0.276 χ^2/NDF: 896958.8/34

All: 1842.219+/-0.197 χ^2/NDF: 1315073.0/71

- 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: -188.139+/-169.358 χ^2/NDF:33.5/18

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

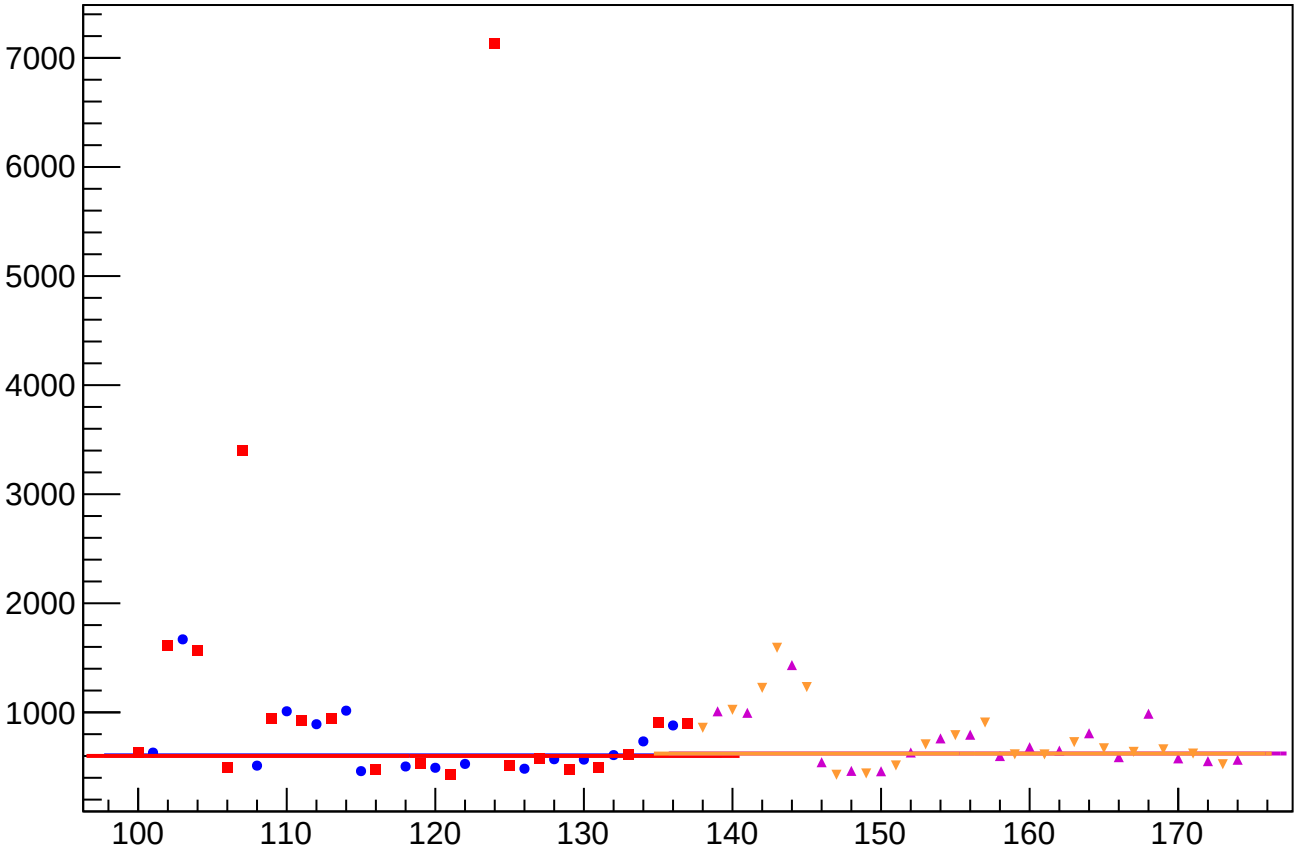
Left In: -52.027+/-168.202 χ^2/NDF:8.0/17

\+ sign -182.266+/-137.775 χ^2/NDF: 50.7/34

All: -85.157+/-97.598 χ^2/NDF: 80.3/71

\- 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: 622.014+/-0.120 χ^2/NDF:2604970.6/18

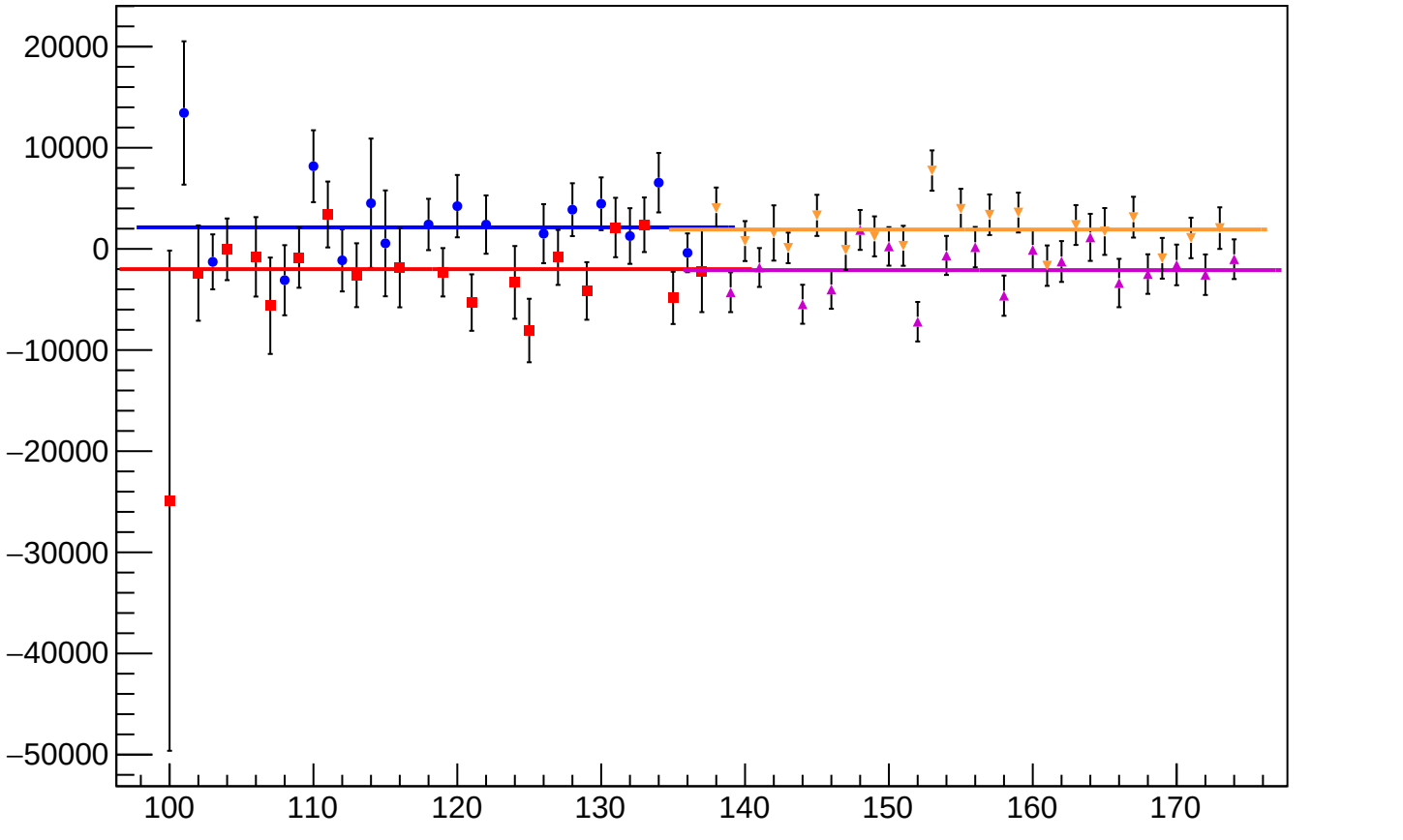
Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 622.784+/-0.119 χ^2/NDF:2022697.5/17

+ sign 616.405+/-0.097 χ^2/NDF: 3773911.3/34

All: 615.975+/-0.069 χ^2/NDF: 8136607.1/71

- sign 615.542+/-0.098 χ^2/NDF: 4362656.7/36



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1917.031+/-458.416 χ^2/NDF:21.8/18

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

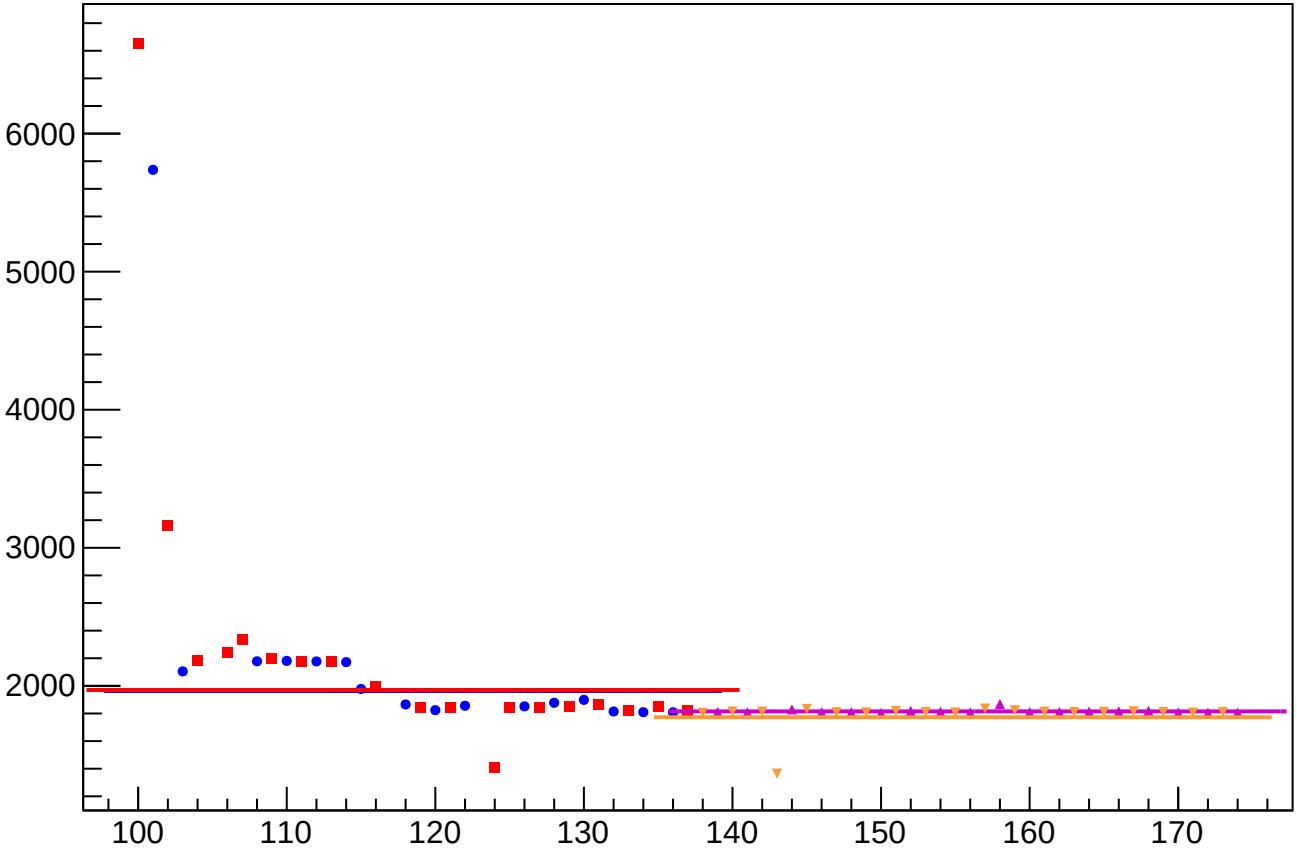
Left In: -2095.556+/-470.518 χ^2/NDF:25.1/17

+ sign 1975.036+/-390.603 χ^2/NDF: 38.4/34

All: -15.857+/-278.300 χ^2/NDF: 132.9/71

- 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: 1772.639+/-0.324 χ^2/NDF:161804.3/18

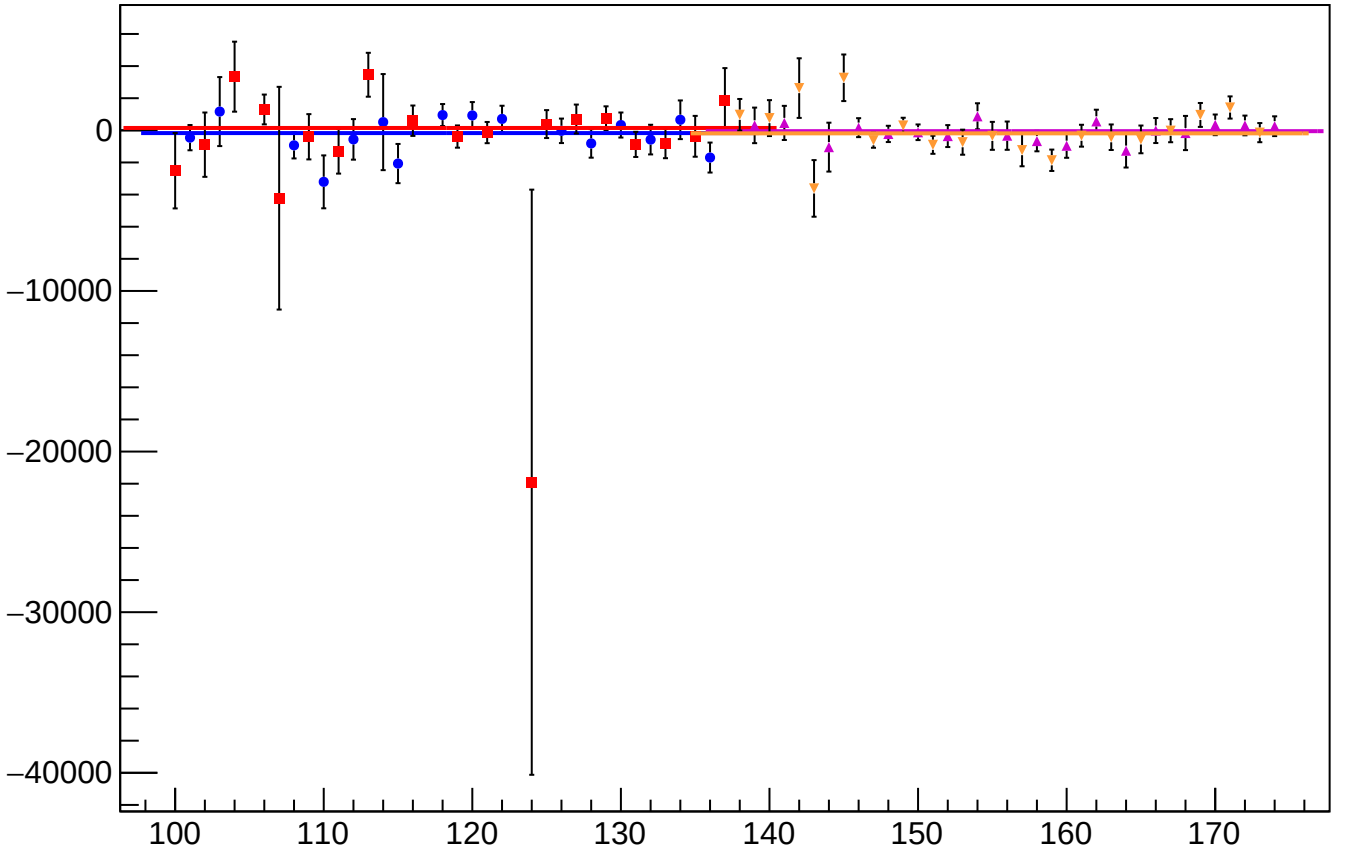
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1815.098+/-0.333 χ^2/NDF:1885.5/17

+ sign 1824.907+/-0.276 χ^2/NDF: 896958.2/34

All: 1842.219+/-0.197 χ^2/NDF: 1315071.0/71

- 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: -188.140+/-169.358 χ^2/NDF:33.5/18

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

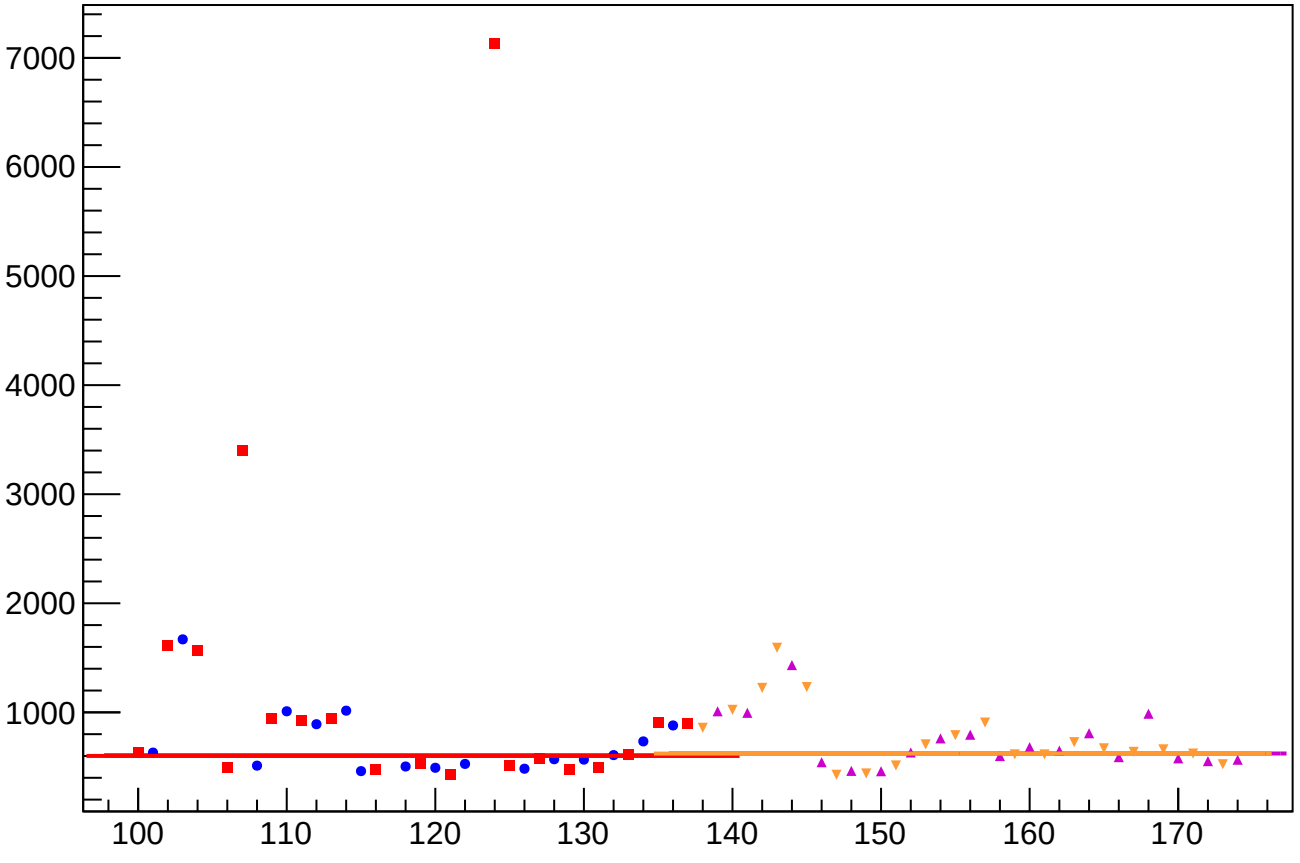
Left In: -52.027+/-168.202 χ^2/NDF:8.0/17

+ sign -182.266+/-137.775 χ^2/NDF: 50.7/34

All: -85.158+/-97.598 χ^2/NDF: 80.3/71

- 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: 622.015+/-0.120 χ^2/NDF:2604964.0/18

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

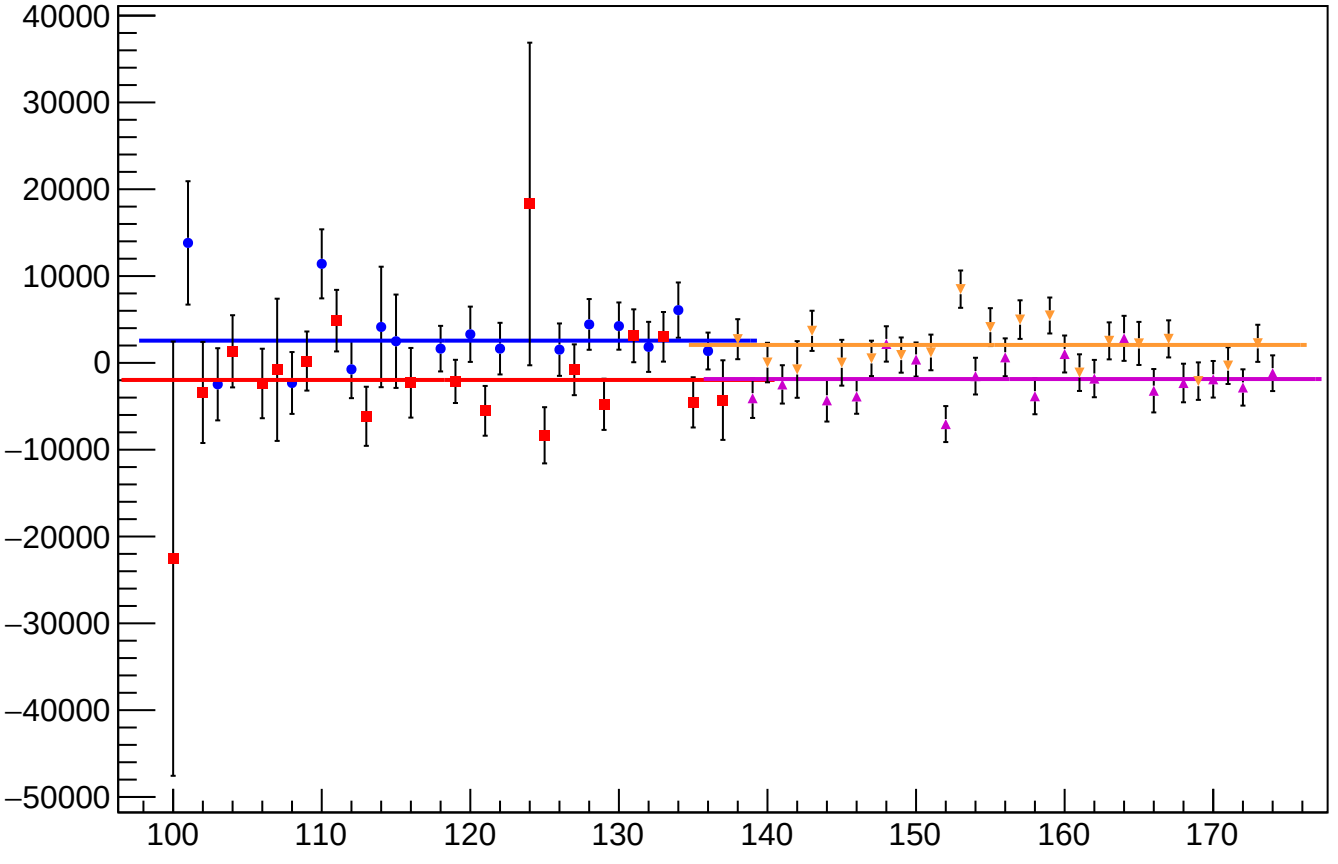
Left In: 622.785+/-0.119 χ^2/NDF:2022692.9/17

+ sign 616.406+/-0.097 χ^2/NDF: 3773914.3/34

All: 615.976+/-0.069 χ^2/NDF: 8136615.3/71

- 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: 2066.949+/-508.213 χ^2/NDF:25.5/18

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

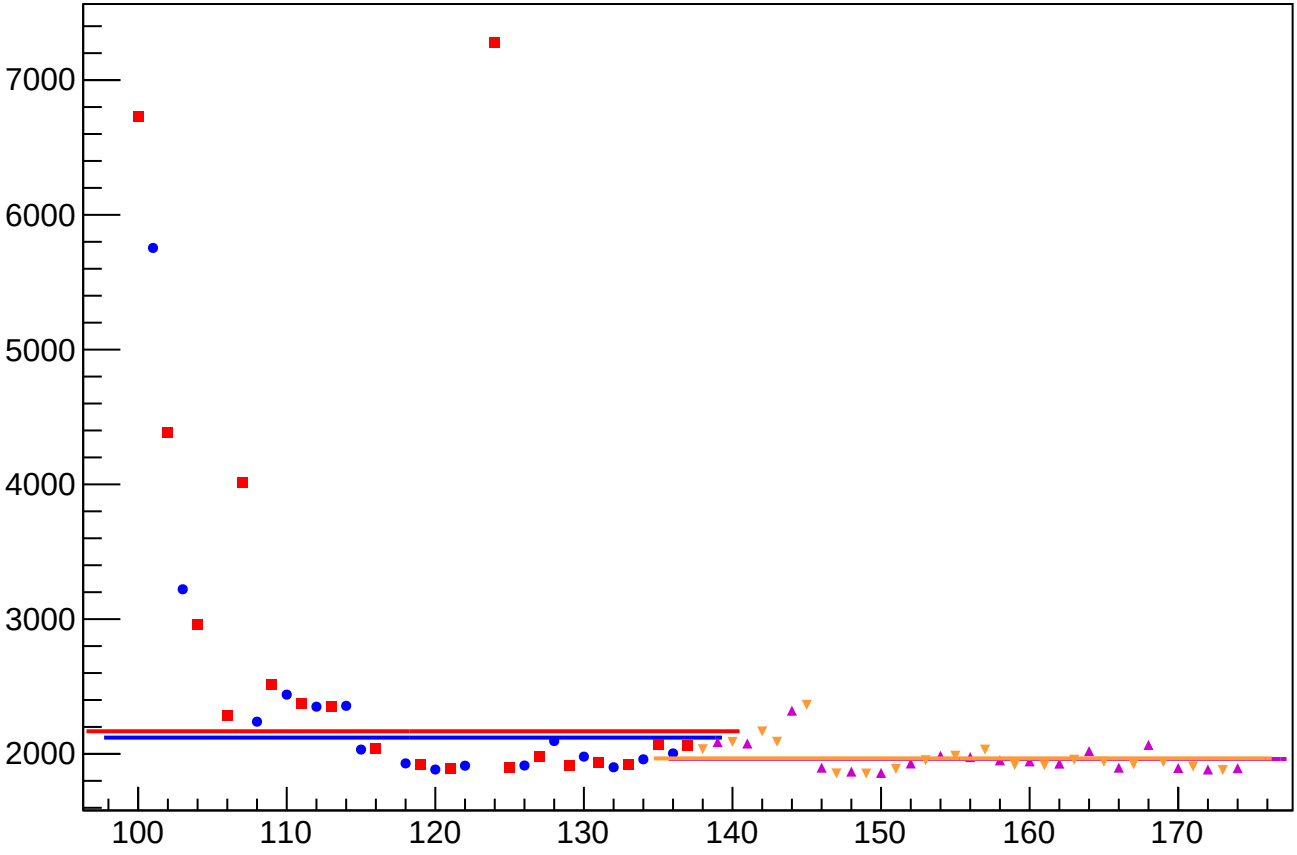
Left In: -1861.518+/-509.487 χ^2/NDF:22.5/17

+ sign 2206.578+/-430.443 χ^2/NDF: 40.4/34

All: 168.023+/-305.124 χ^2/NDF: 129.6/71

- 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: 1966.504+/-0.359 χ^2/NDF:91691.7/18

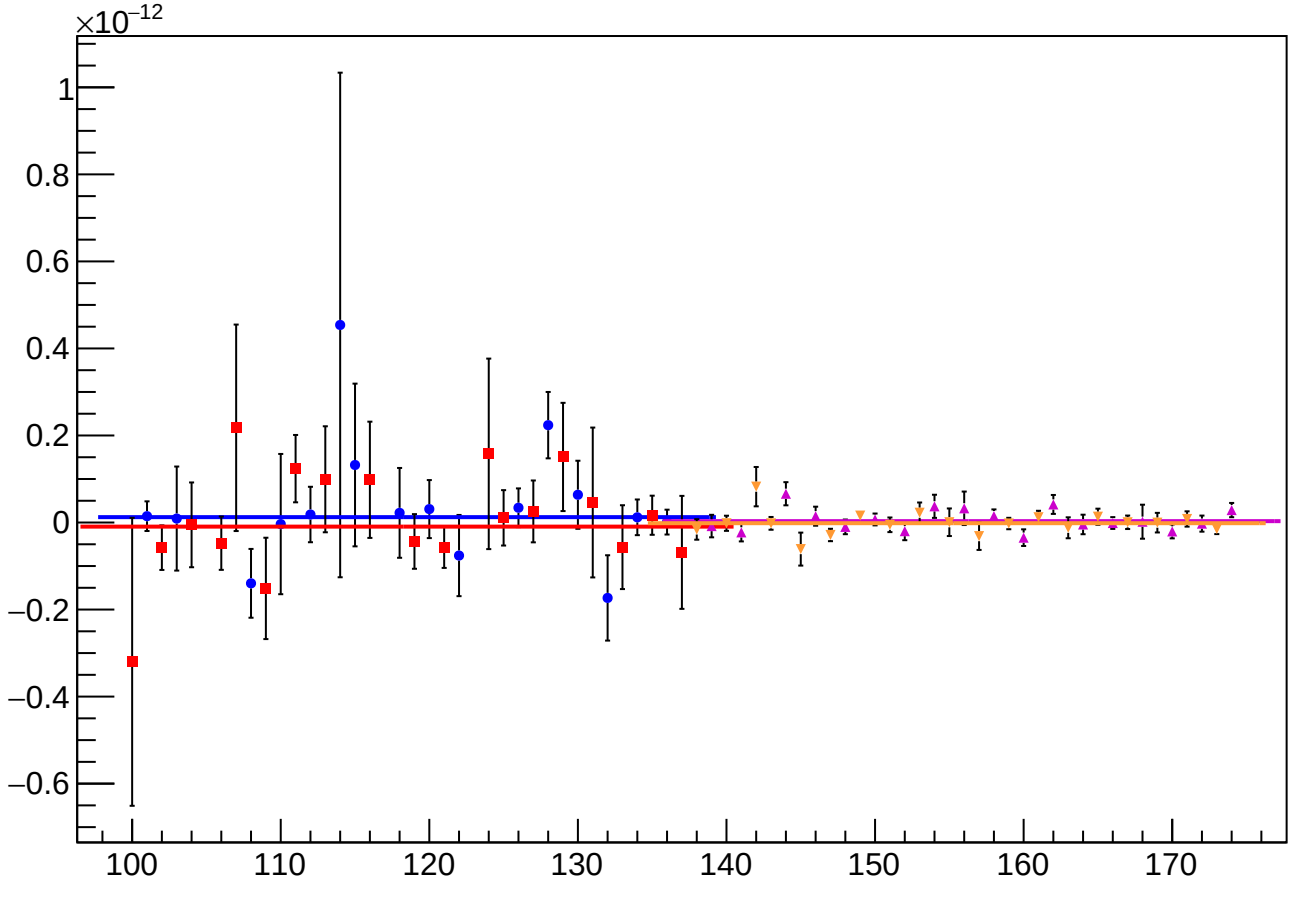
Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1962.171+/-0.360 χ^2/NDF:81481.2/17

+ sign 2010.107+/-0.304 χ^2/NDF: 903750.4/34

All: 2014.816+/-0.216 χ^2/NDF: 1900598.1/71

- sign 2019.572+/-0.306 χ^2/NDF: 996366.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/18

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

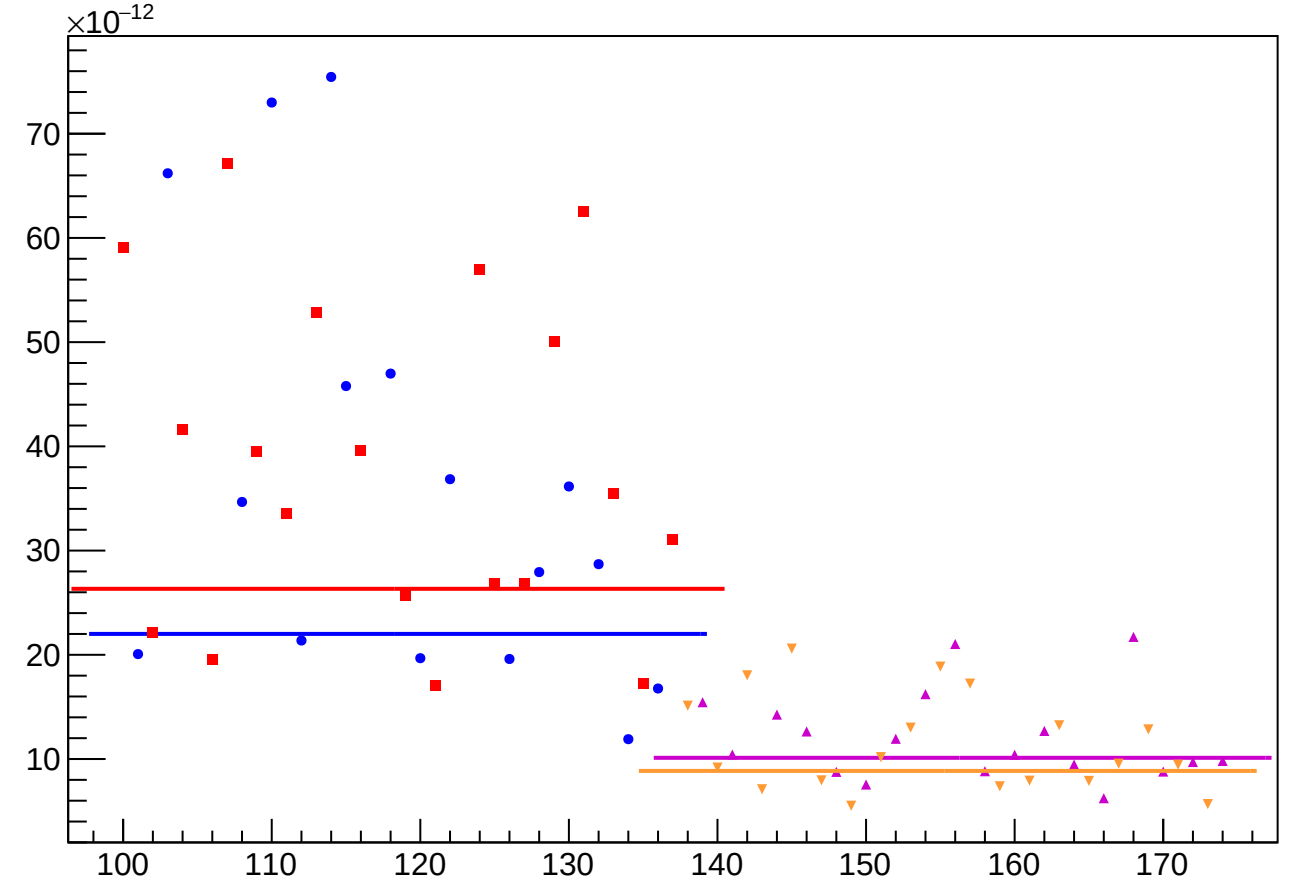
Left In: 0.000+/-0.000 χ^2/NDF:24.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 36.0/34

All: 0.000+/-0.000 χ^2/NDF: 74.8/71

- sign 0.000+/-0.000 χ^2/NDF: 38.5/36

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1351106.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

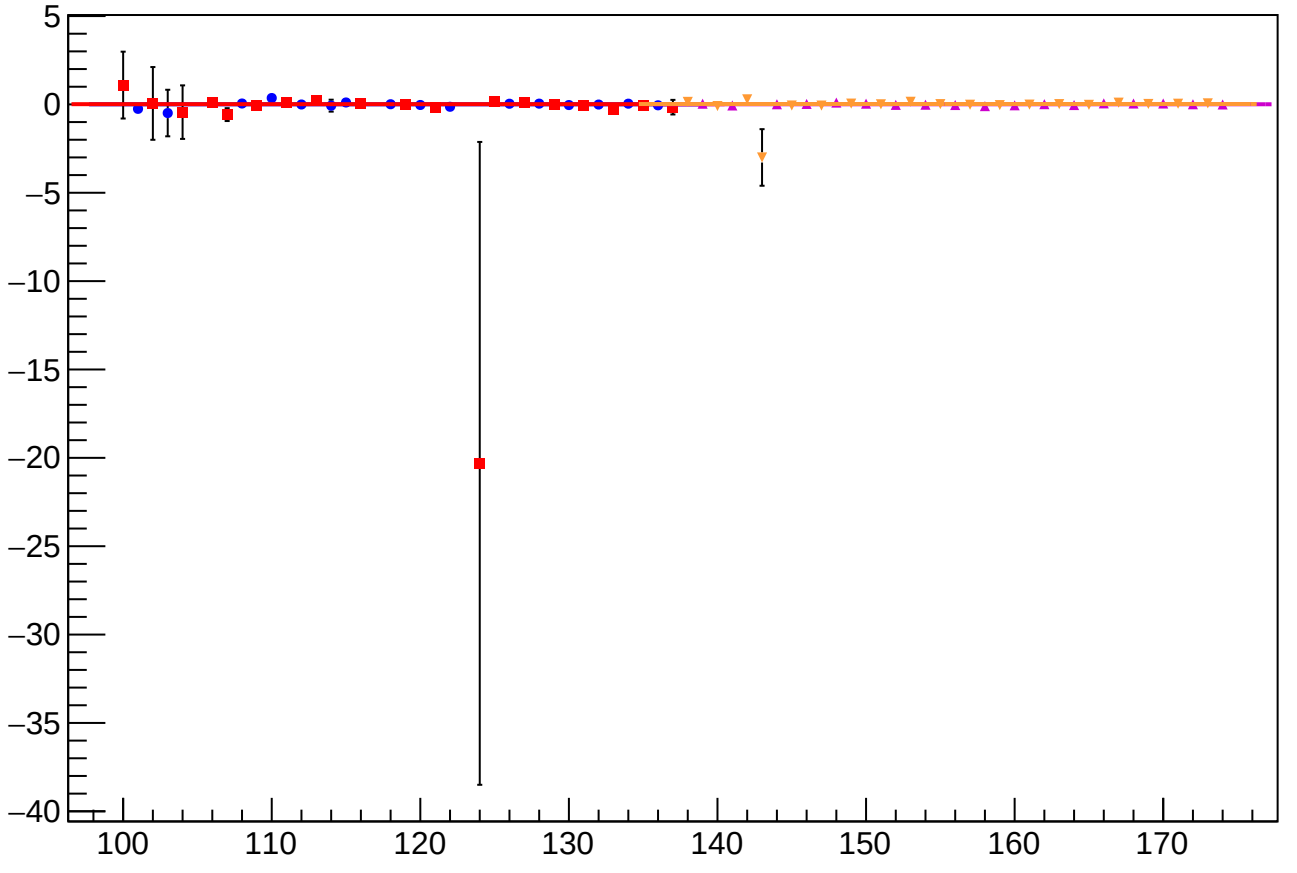
Left In: 0.000+/-0.000 χ^2/NDF:927009.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 3866630.6/34

All: 0.000+/-0.000 χ^2/NDF: 7120407.1/71

- sign 0.000+/-0.000 χ^2/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+/-0.014 χ^2/NDF:25.0/18

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

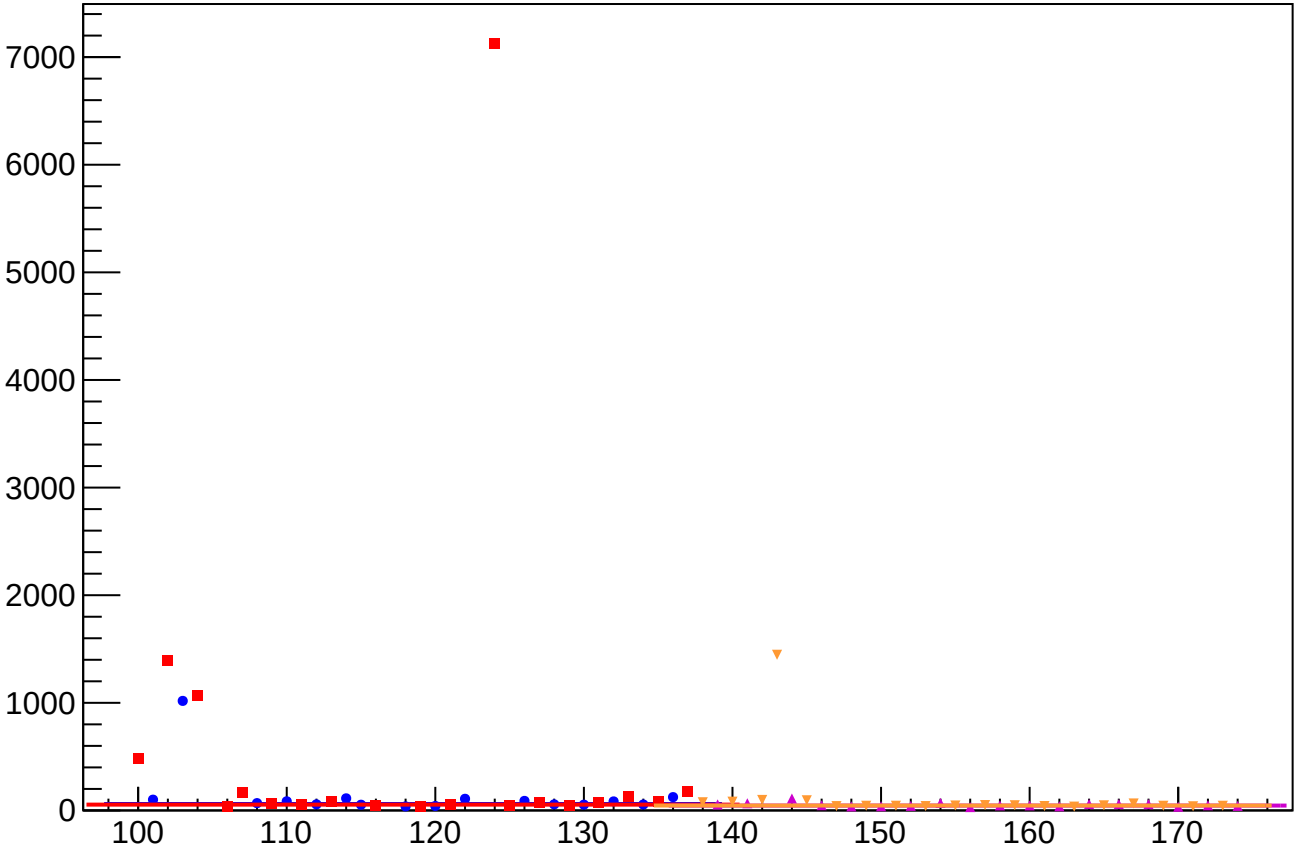
Left In: 0.008+/-0.013 χ^2/NDF:14.5/17

+ sign 0.017+/-0.012 χ^2/NDF: 36.7/34

All: 0.013+/-0.008 χ^2/NDF: 69.1/71

- 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: 45.849+/-0.010 χ^2/NDF:2992960.6/18

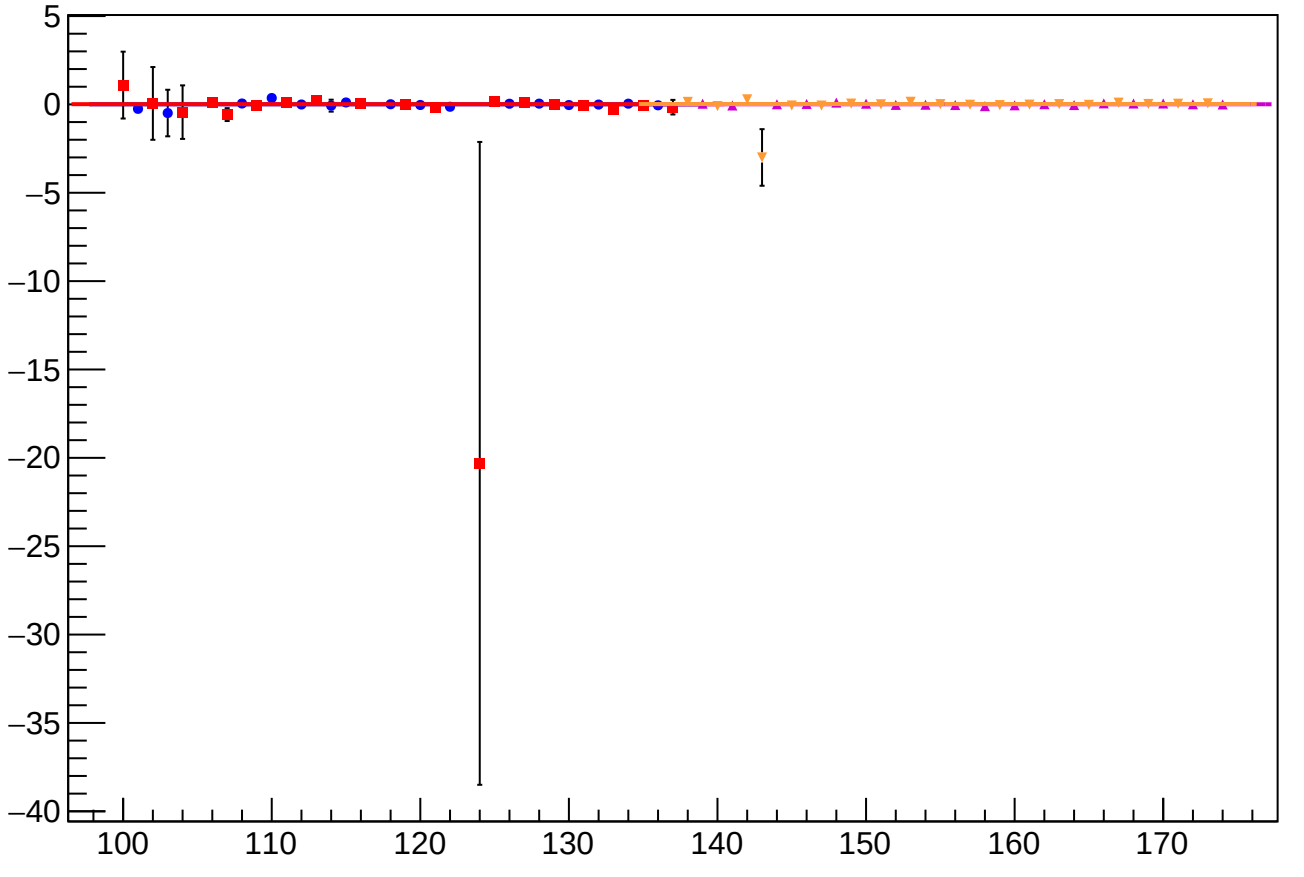
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.322+/-0.009 χ^2/NDF:1688600.6/17

+ sign 48.731+/-0.009 χ^2/NDF: 5967263.2/34

All: 47.932+/-0.006 χ^2/NDF: 11383813.9/71

- 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+/-0.014 χ^2/NDF:25.0/18

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

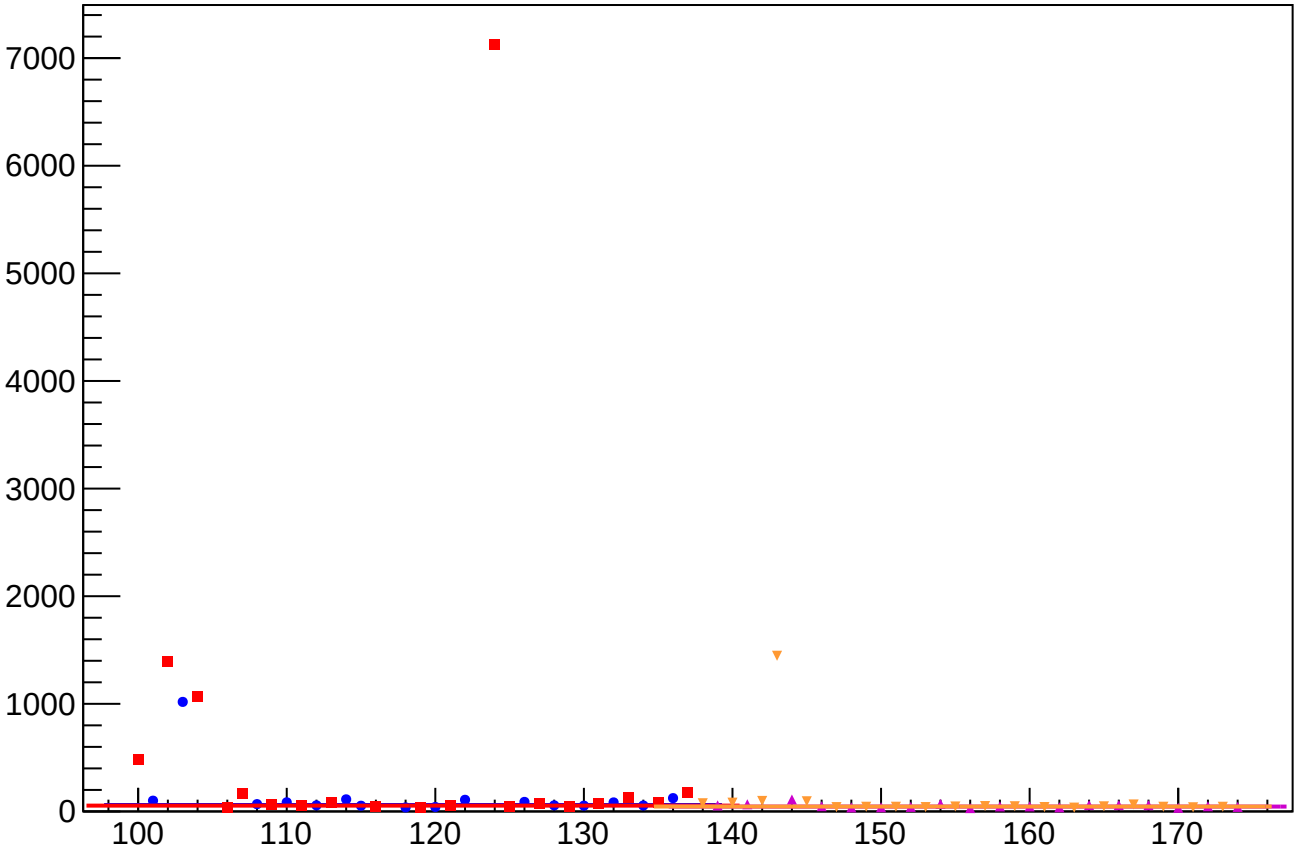
Left In: 0.008+/-0.013 χ^2/NDF:14.5/17

+ sign 0.017+/-0.012 χ^2/NDF: 36.7/34

All: 0.013+/-0.008 χ^2/NDF: 69.1/71

- 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: 45.849+/-0.010 χ^2/NDF:2992960.6/18

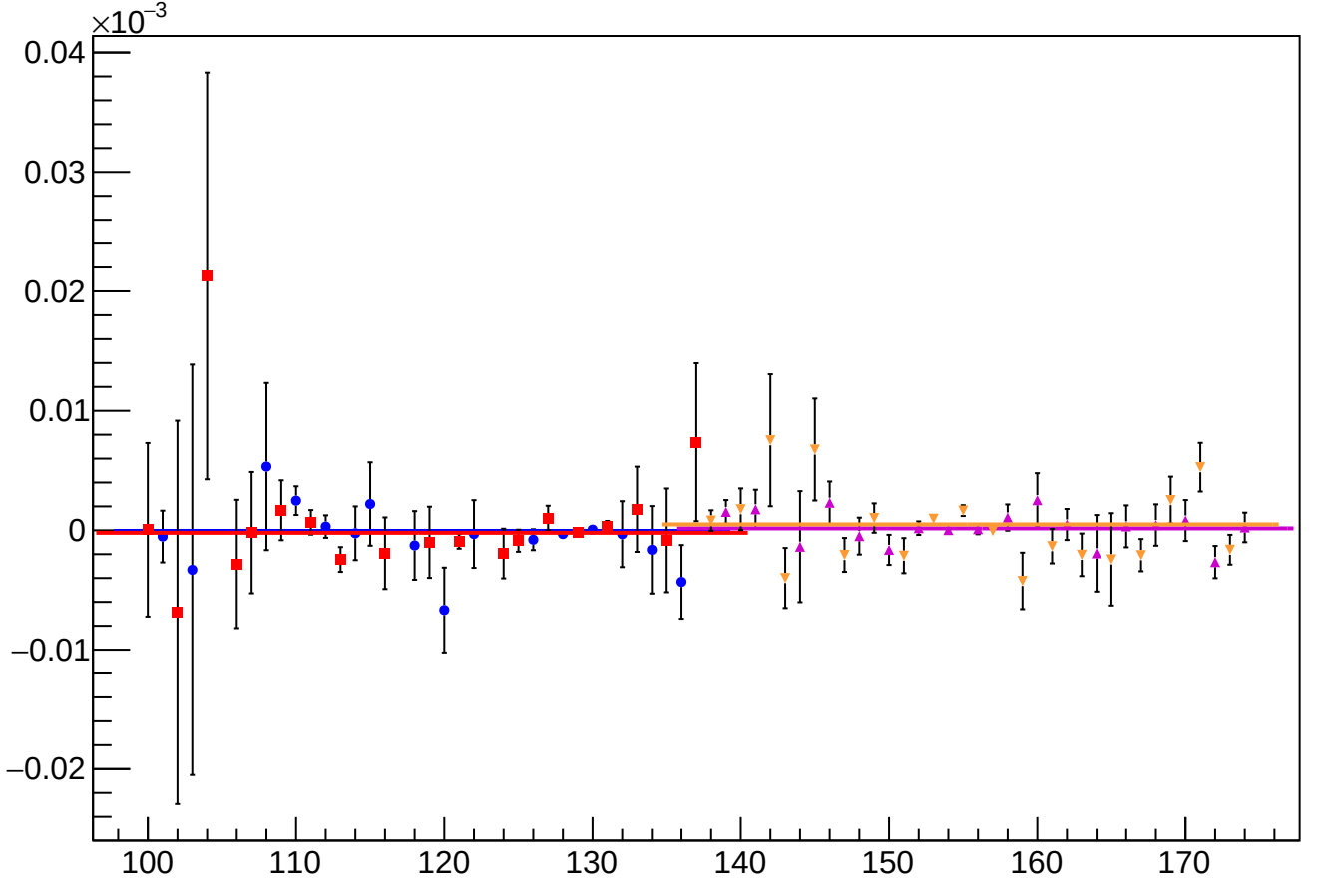
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.322+/-0.009 χ^2/NDF:1688600.6/17

+ sign 48.731+/-0.009 χ^2/NDF: 5967263.2/34

All: 47.932+/-0.006 χ^2/NDF: 11383813.9/71

- 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:45.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

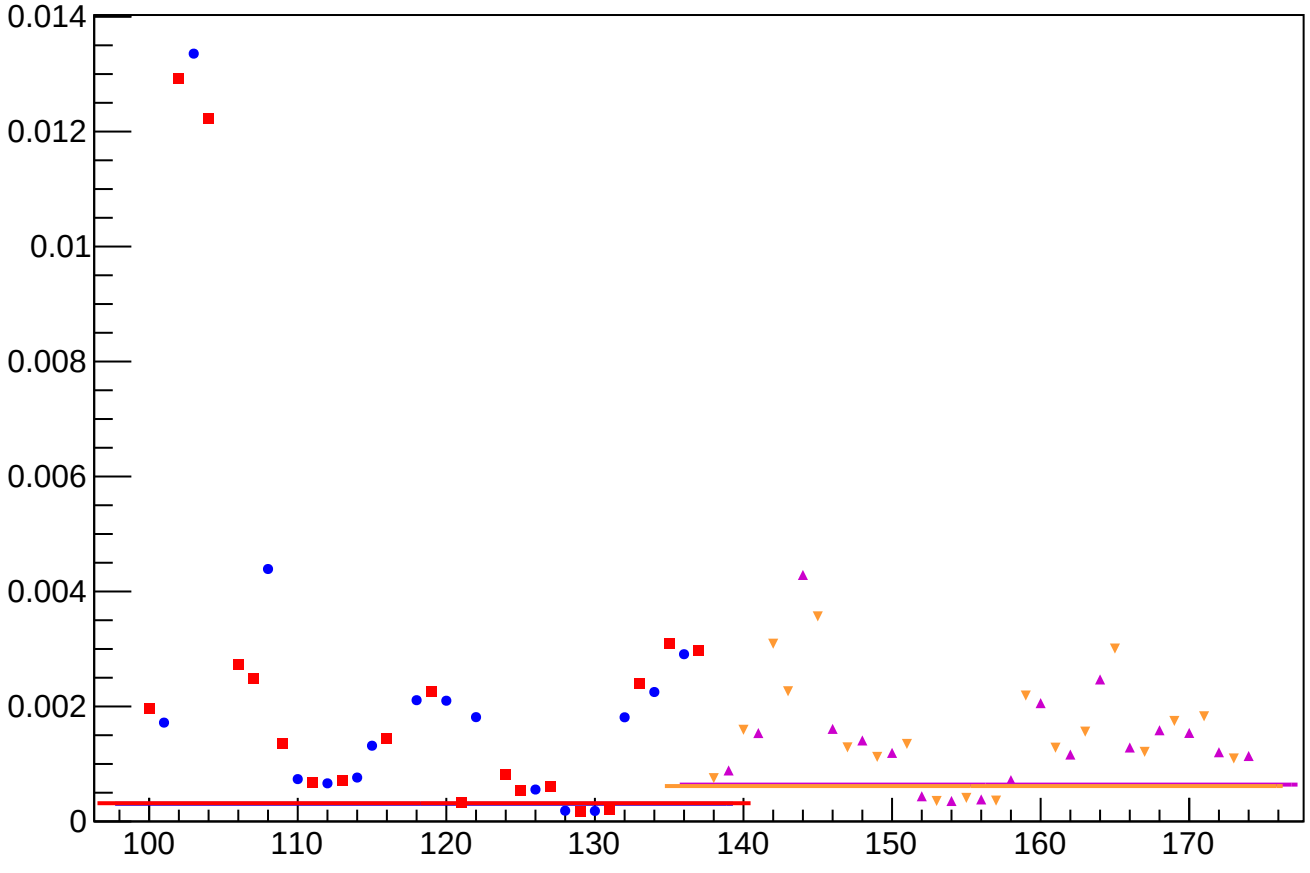
Left In: 0.000+/-0.000 χ^2/NDF:13.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 62.1/34

All: 0.000+/-0.000 χ^2/NDF: 94.6/71

- 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:10993233.7/18

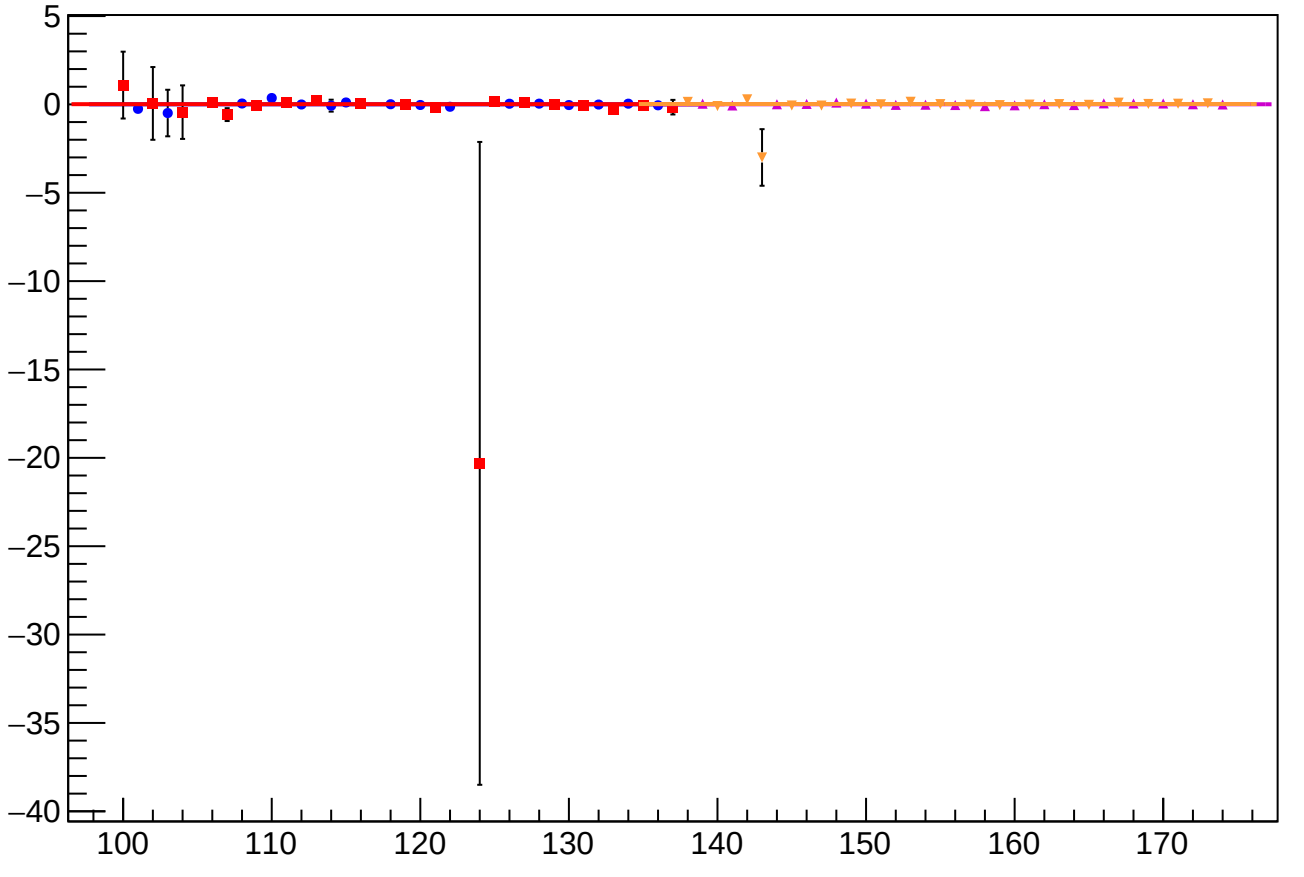
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9393483.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 22136899.8/34

All: 0.000+/-0.000 χ^2/NDF: 42103143.9/71

- 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+/-0.014 χ^2/NDF:25.0/18

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

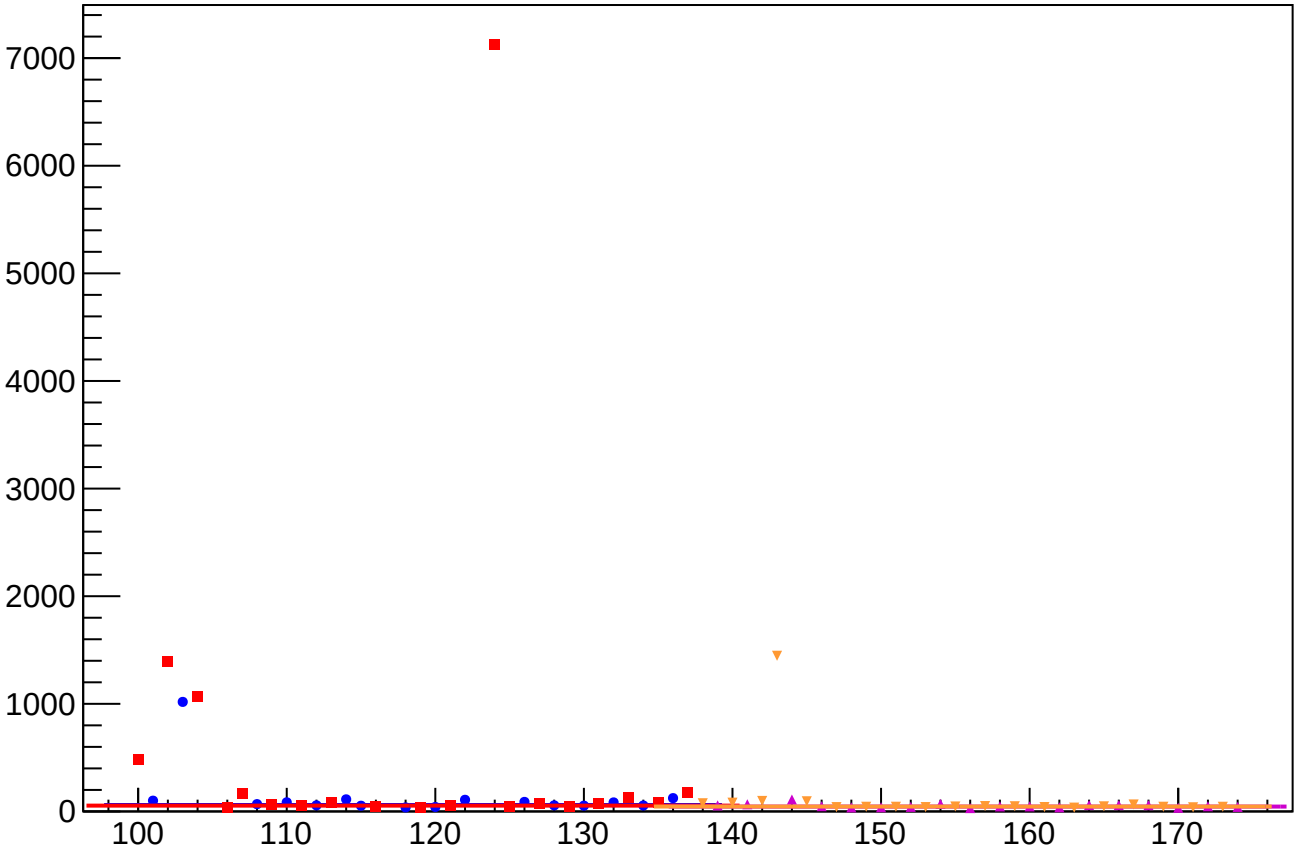
Left In: 0.008+/-0.013 χ^2/NDF:14.5/17

+ sign 0.017+/-0.012 χ^2/NDF: 36.7/34

All: 0.013+/-0.008 χ^2/NDF: 69.1/71

- 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: 45.849+/-0.010 χ^2/NDF:2992945.2/18

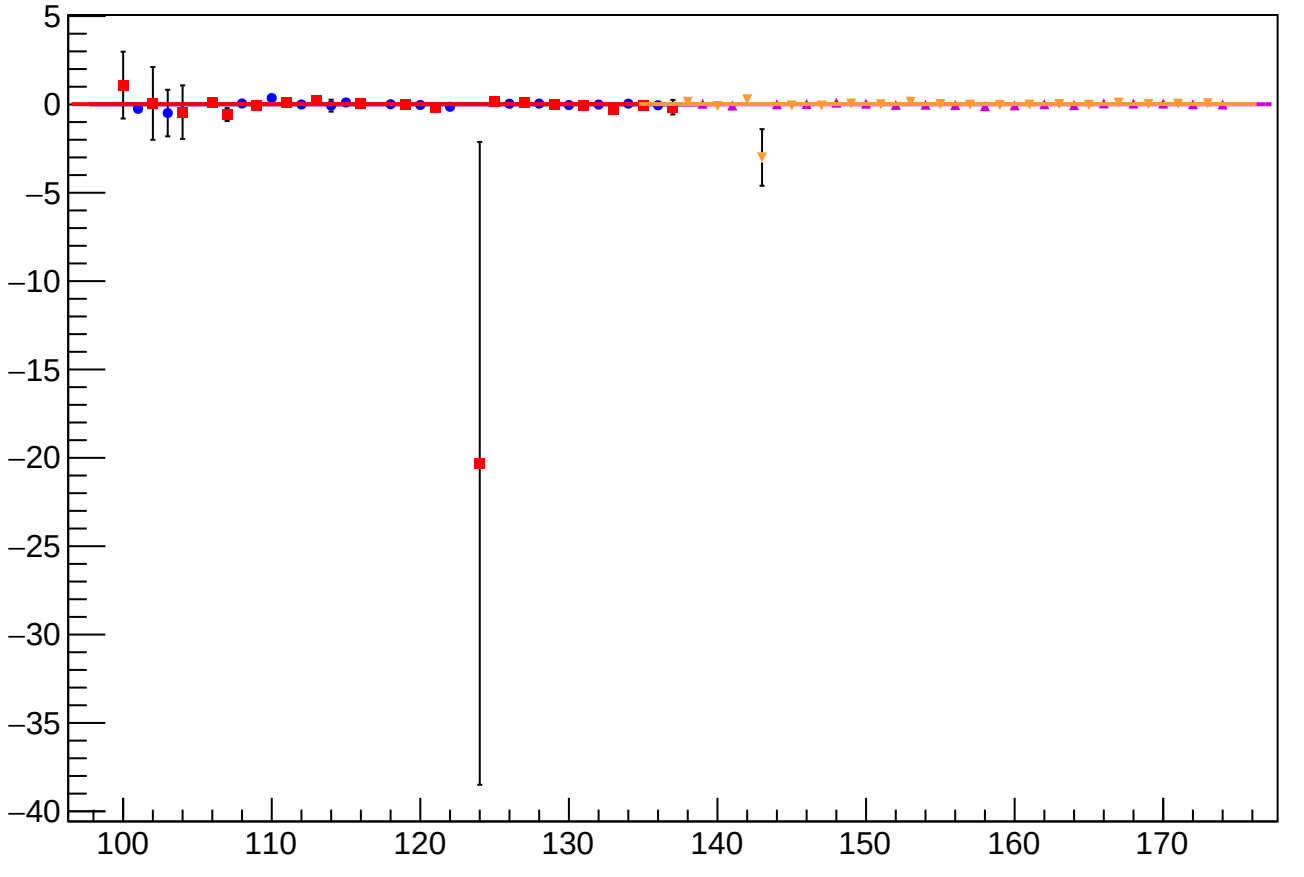
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.322+/-0.009 χ^2/NDF:1688603.0/17

+ sign 48.732+/-0.009 χ^2/NDF: 5967235.4/34

All: 47.932+/-0.006 χ^2/NDF: 11383815.3/71

- 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+/-0.014 χ^2/NDF:25.0/18

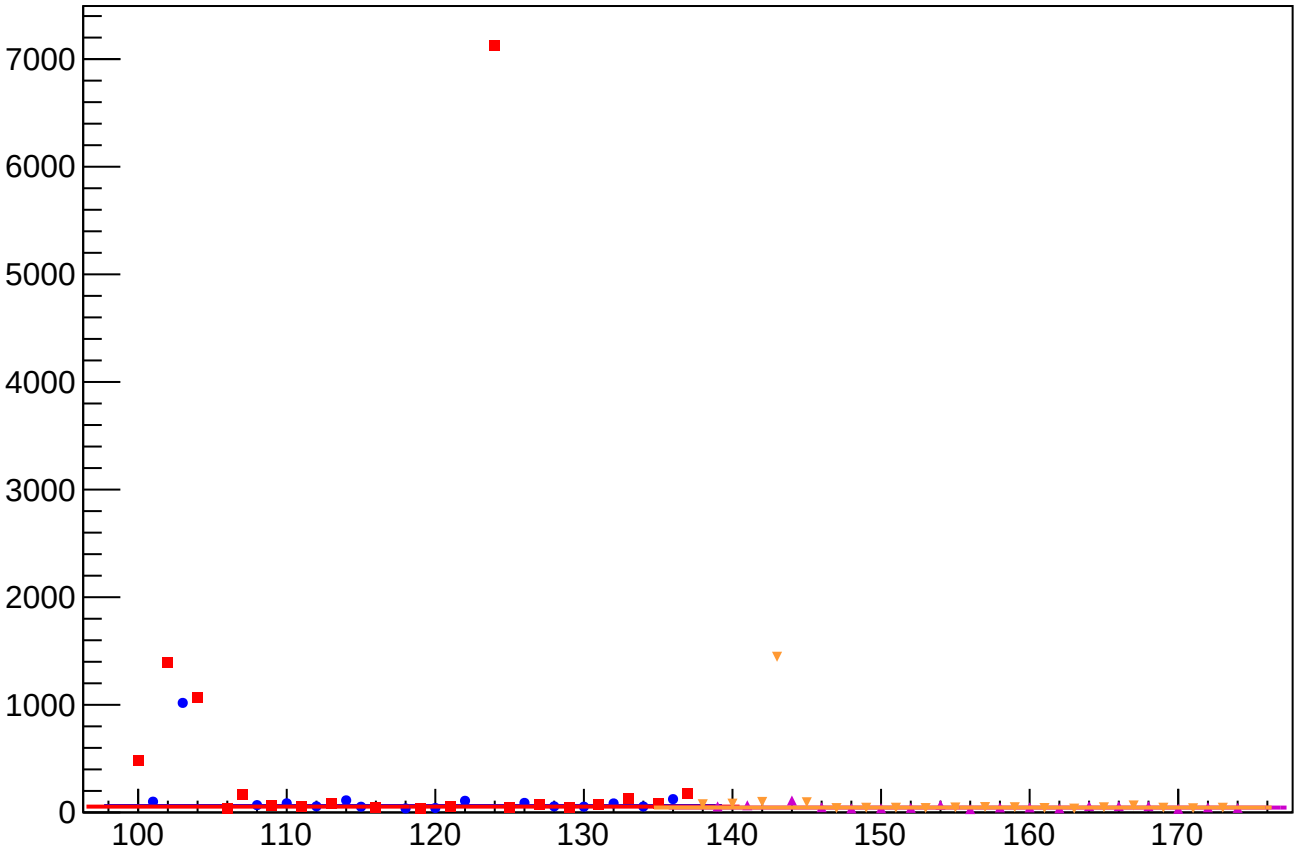
Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.008+/-0.013 χ^2/NDF:14.5/17

+ sign 0.017+/-0.012 χ^2/NDF: 36.7/34

All: 0.013+/-0.008 χ^2/NDF: 69.1/71

- 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: 45.849+/-0.010 χ^2/NDF:2992945.2/18

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

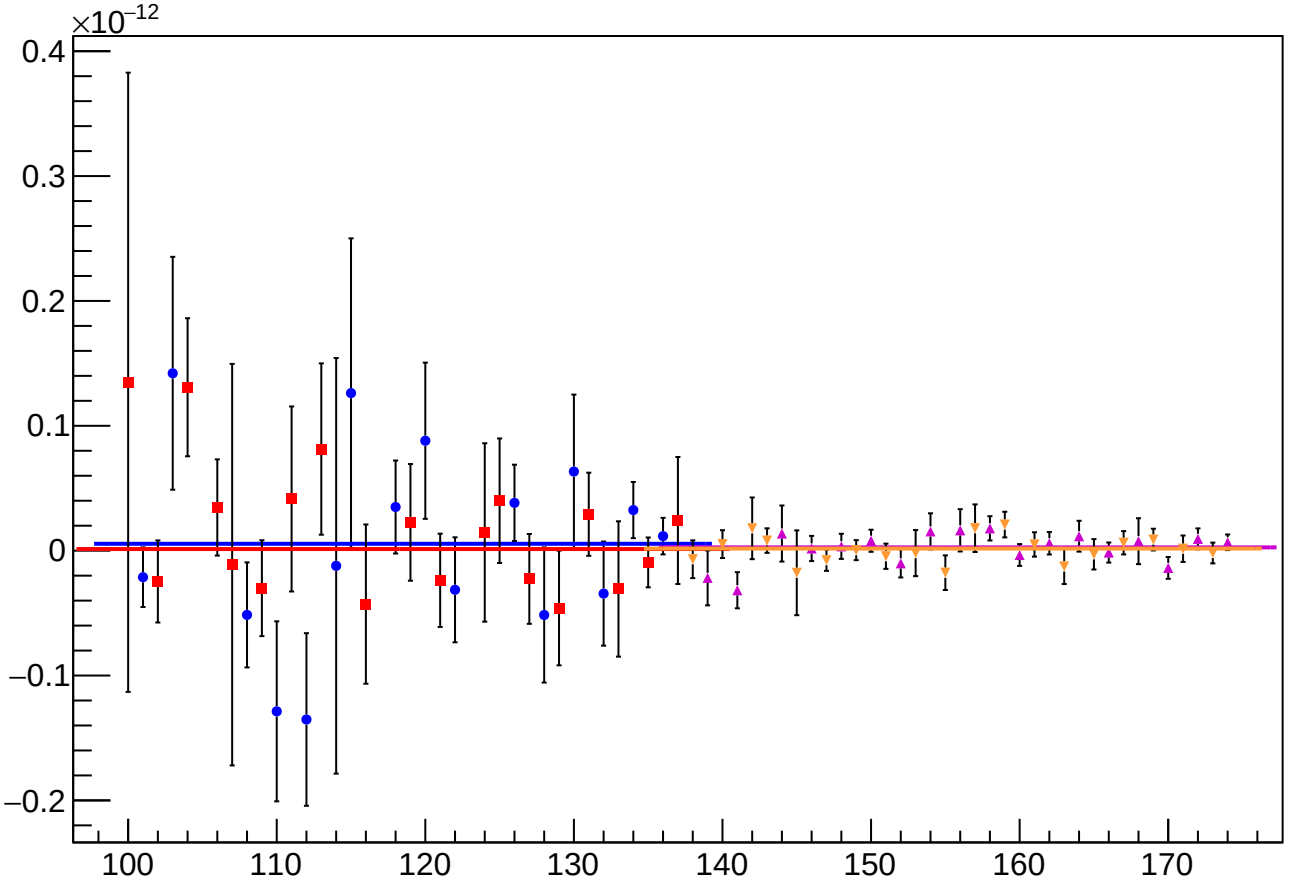
Left In: 45.322+/-0.009 χ^2/NDF:1688603.0/17

+ sign 48.732+/-0.009 χ^2/NDF: 5967235.4/34

All: 47.932+/-0.006 χ^2/NDF: 11383815.3/71

- 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:11.8/18

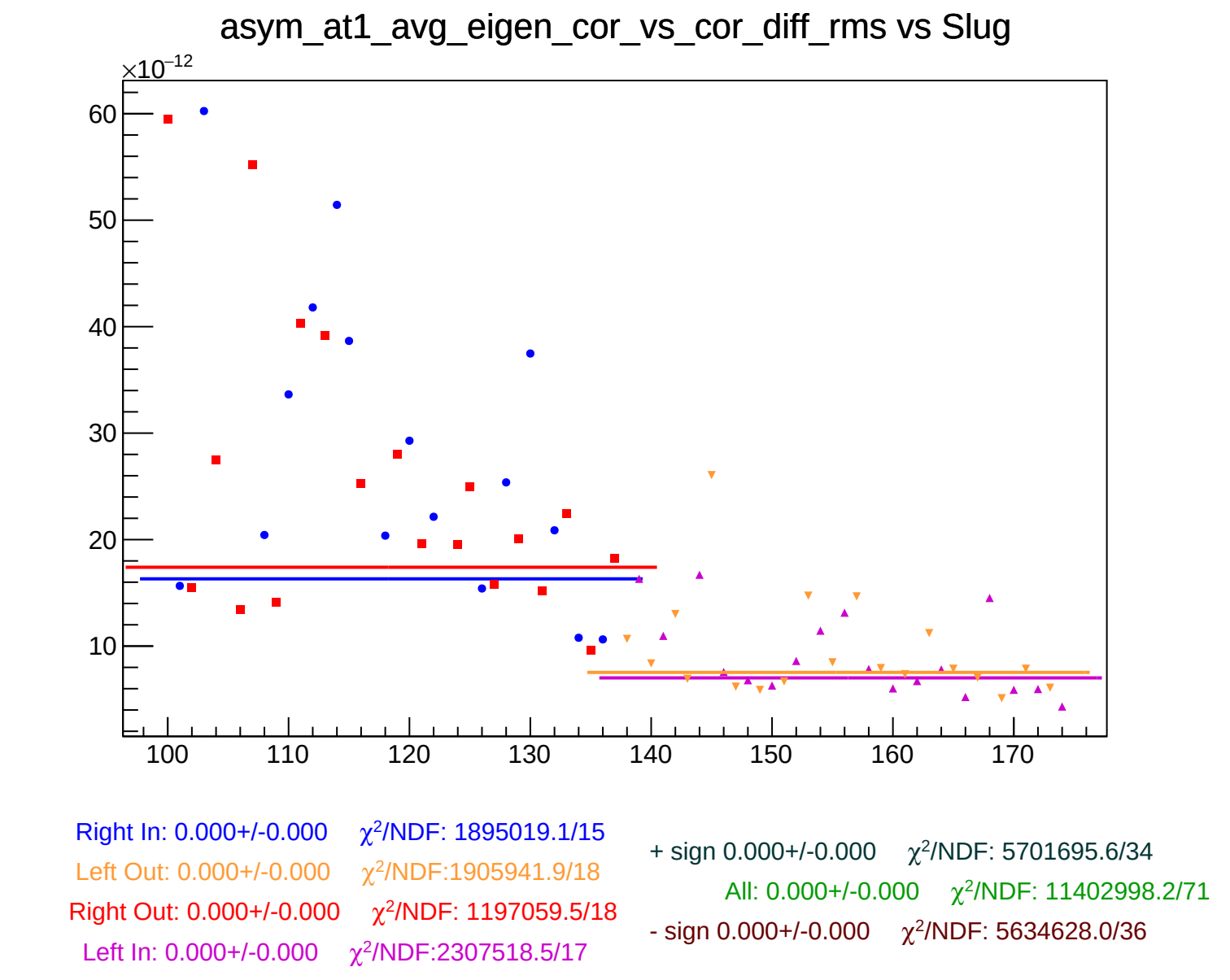
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.8/17

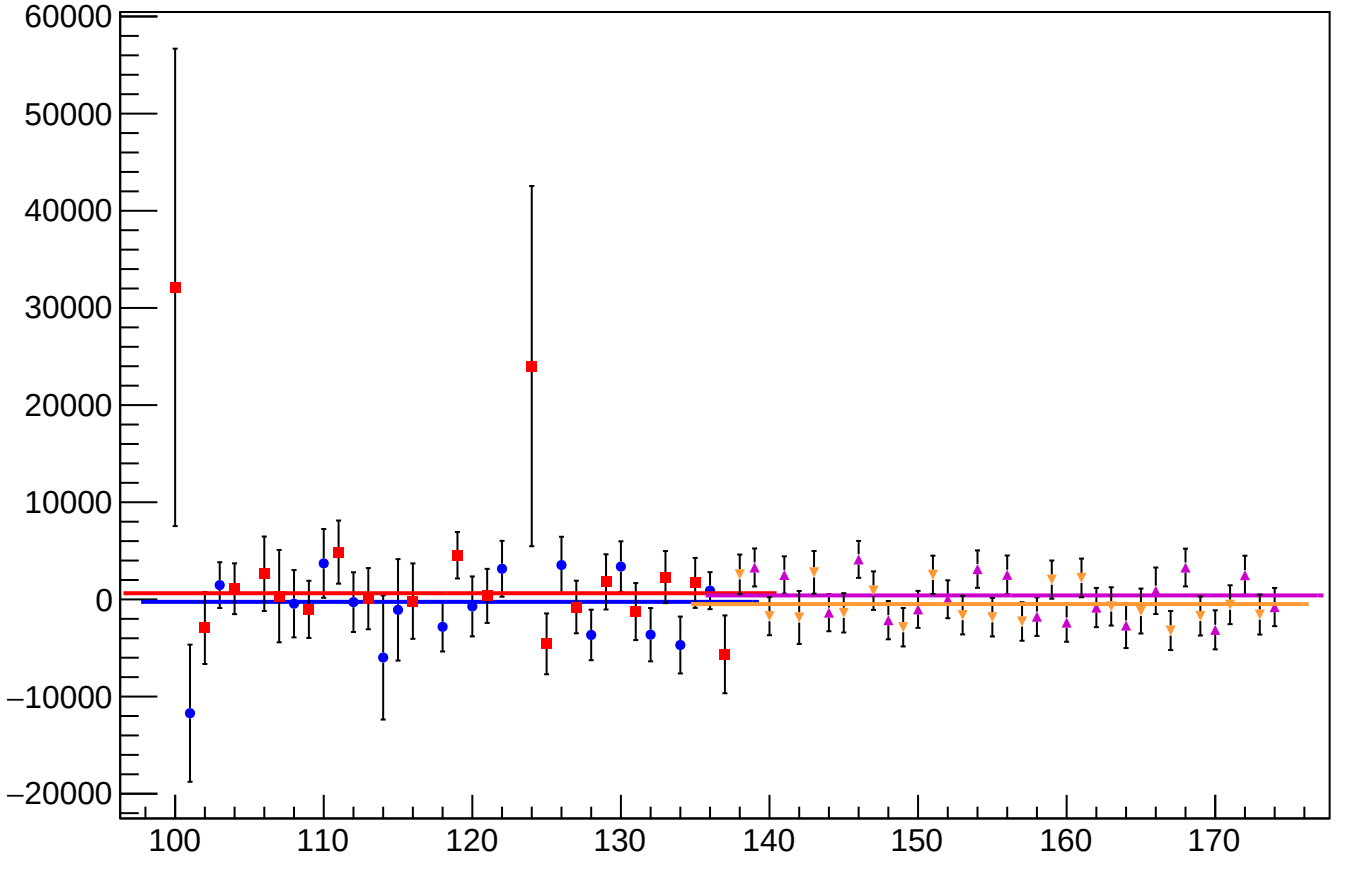
+ sign 0.000+/-0.000 χ^2/NDF: 34.6/34

All: 0.000+/-0.000 χ^2/NDF: 67.7/71

- sign 0.000+/-0.000 χ^2/NDF: 33.1/36


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1905941.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:2307518.5/17
+ sign 0.000+/-0.000 χ²/NDF: 5701695.6/34
All: 0.000+/-0.000 χ²/NDF: 11402998.2/71
- sign 0.000+/-0.000 χ²/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: -480.620+/-468.654 χ^2/NDF:17.2/18

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

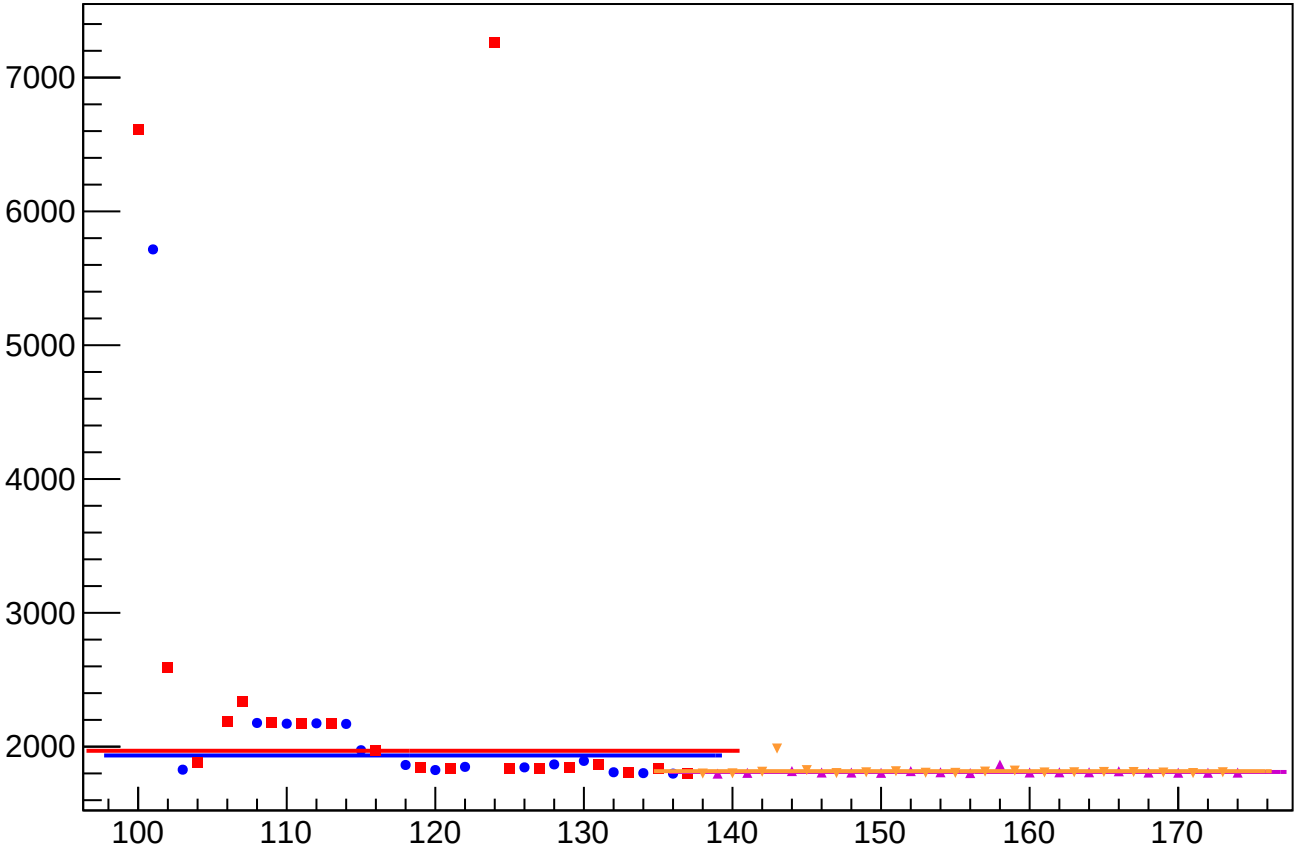
Left In: 411.000+/-469.417 χ^2/NDF:25.6/17

+ sign -414.349+/-395.177 χ^2/NDF: 34.6/34

All: 30.322+/-279.614 χ^2/NDF: 78.7/71

- 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: 1816.830+/-0.331 χ^2/NDF:12768.7/18

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

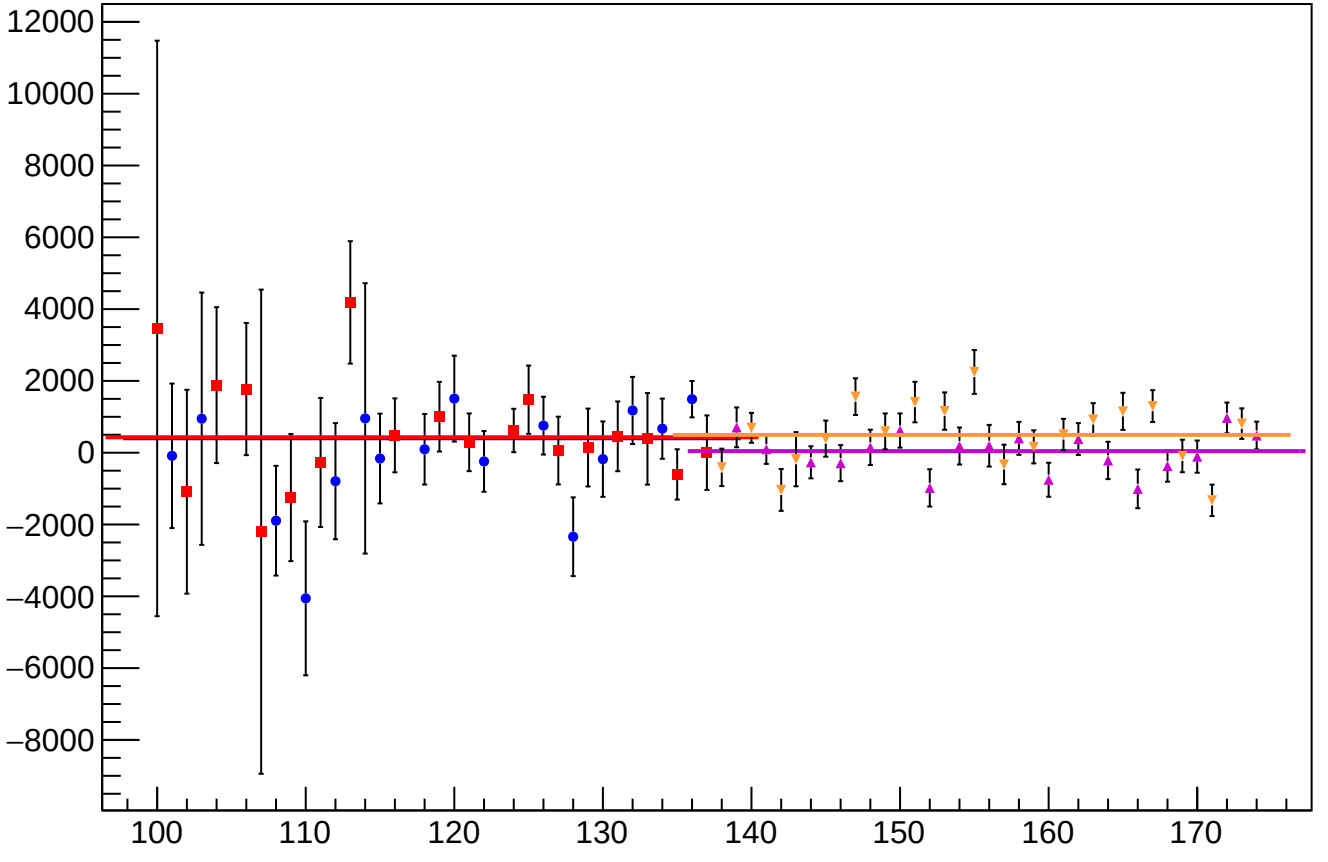
Left In: 1810.890+/-0.332 χ^2/NDF:1801.3/17

+ sign 1850.753+/-0.279 χ^2/NDF: 688949.4/34

All: 1853.730+/-0.198 χ^2/NDF: 1135202.7/71

- 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: 495.780+/-113.181 χ^2/NDF:56.0/18

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

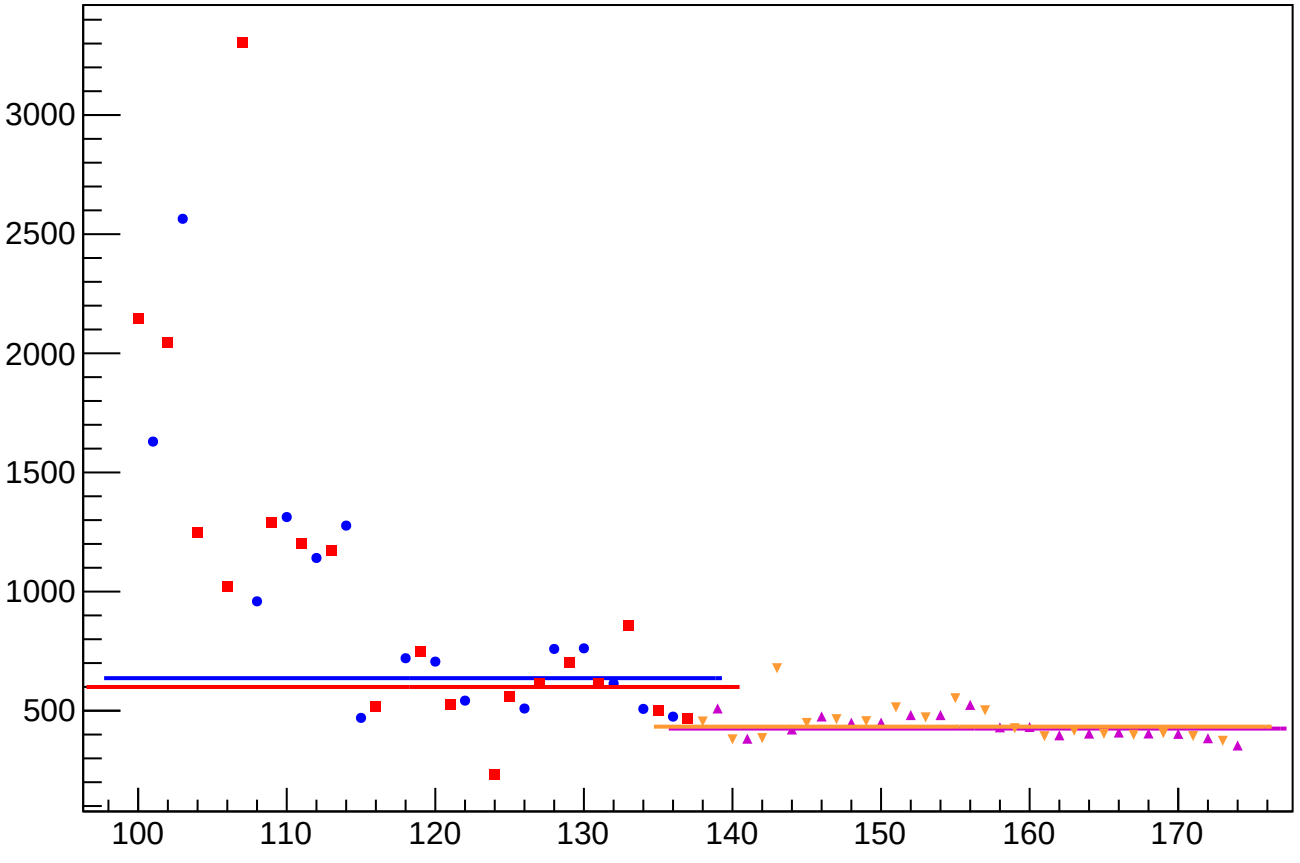
Left In: 44.752+/-111.127 χ^2/NDF:22.9/17

+ sign 480.802+/-103.683 χ^2/NDF: 77.2/34

All: 290.424+/-72.616 χ^2/NDF: 120.5/71

- 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: 433.123+/-0.080 χ^2/NDF:535750.0/18

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

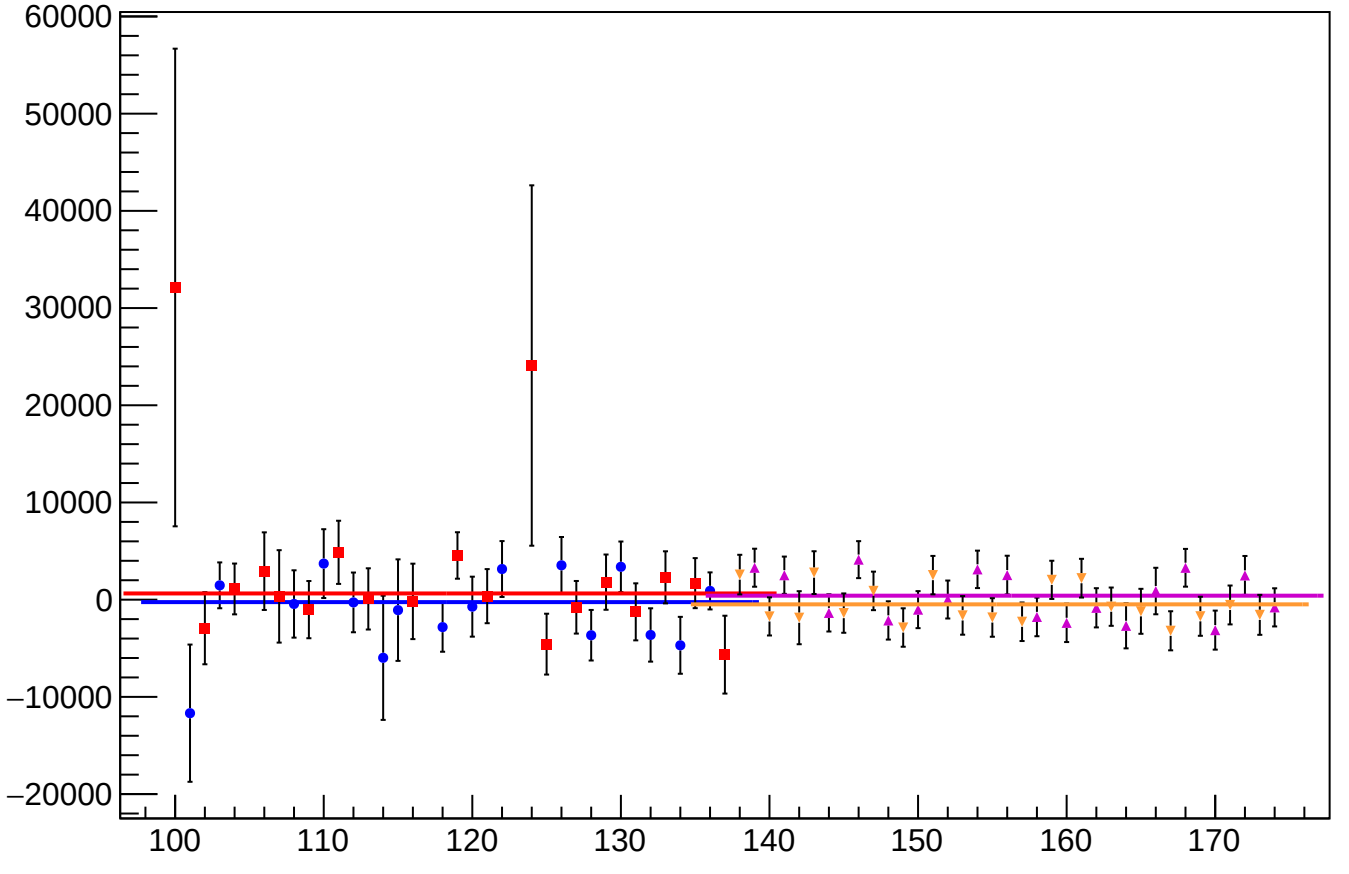
Left In: 425.094+/-0.079 χ^2/NDF:314402.4/17

+ sign 465.855+/-0.073 χ^2/NDF: 3643020.1/34

All: 459.486+/-0.051 χ^2/NDF: 7715171.1/71

- 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: -480.638+/-468.654 χ^2/NDF:17.2/18

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

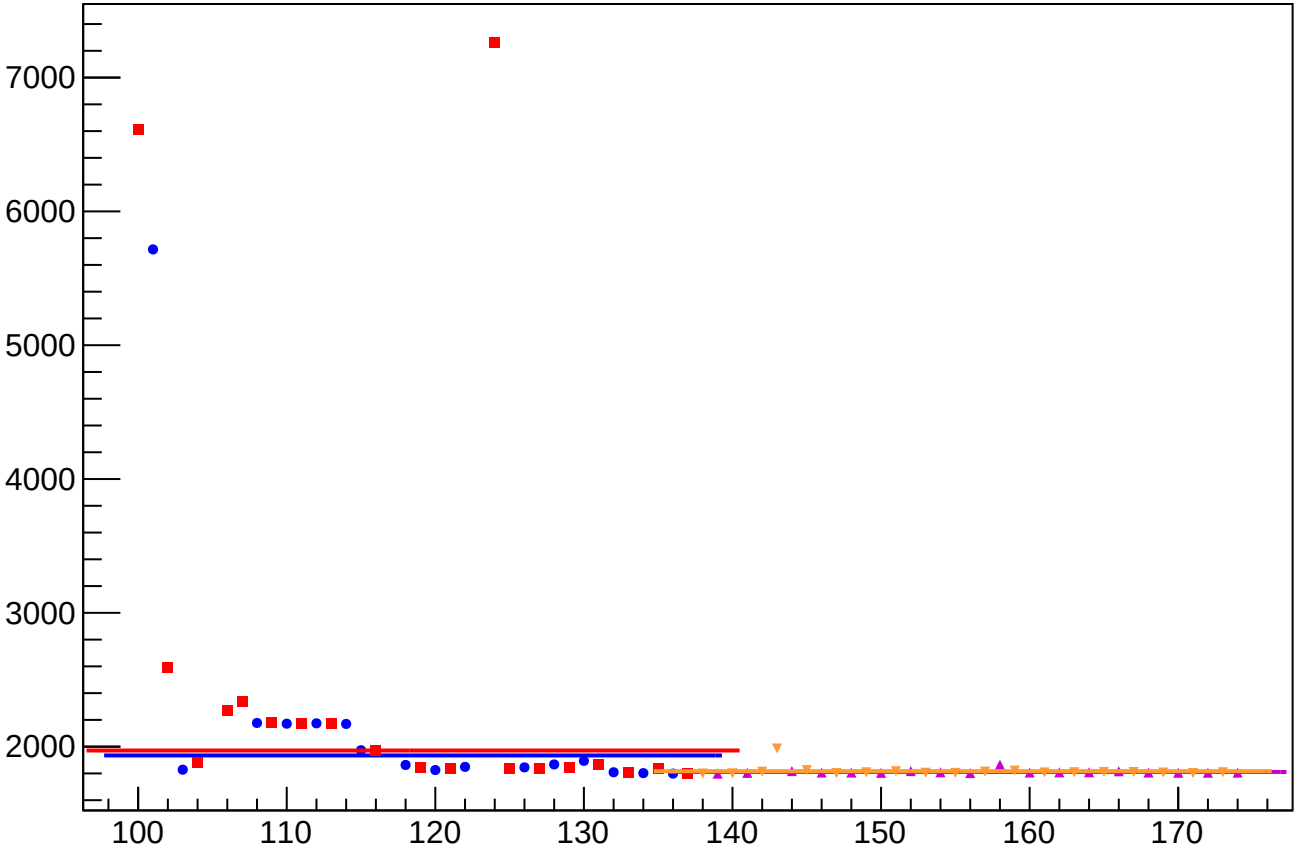
Left In: 410.995+/-469.417 χ^2/NDF:25.6/17

+ sign -414.128+/-395.177 χ^2/NDF: 34.6/34

All: 30.866+/-279.673 χ^2/NDF: 78.7/71

- 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: 1816.830+/-0.331 χ^2/NDF:12768.7/18

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

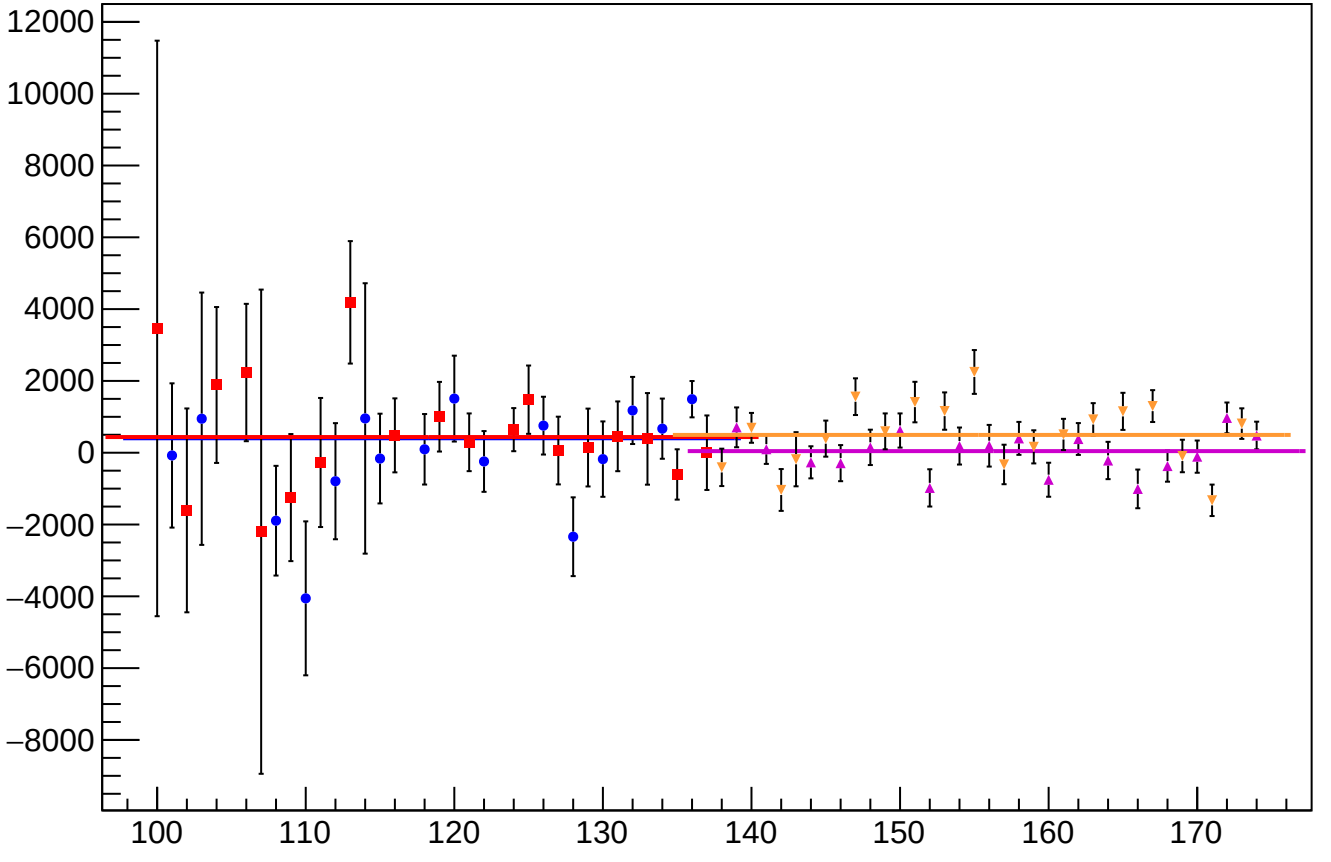
Left In: 1810.890+/-0.332 χ^2/NDF:1801.3/17

+ sign 1850.753+/-0.279 χ^2/NDF: 688949.3/34

All: 1853.992+/-0.198 χ^2/NDF: 1141705.2/71

- 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: 495.769+/-113.180 χ^2/NDF:56.0/18

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

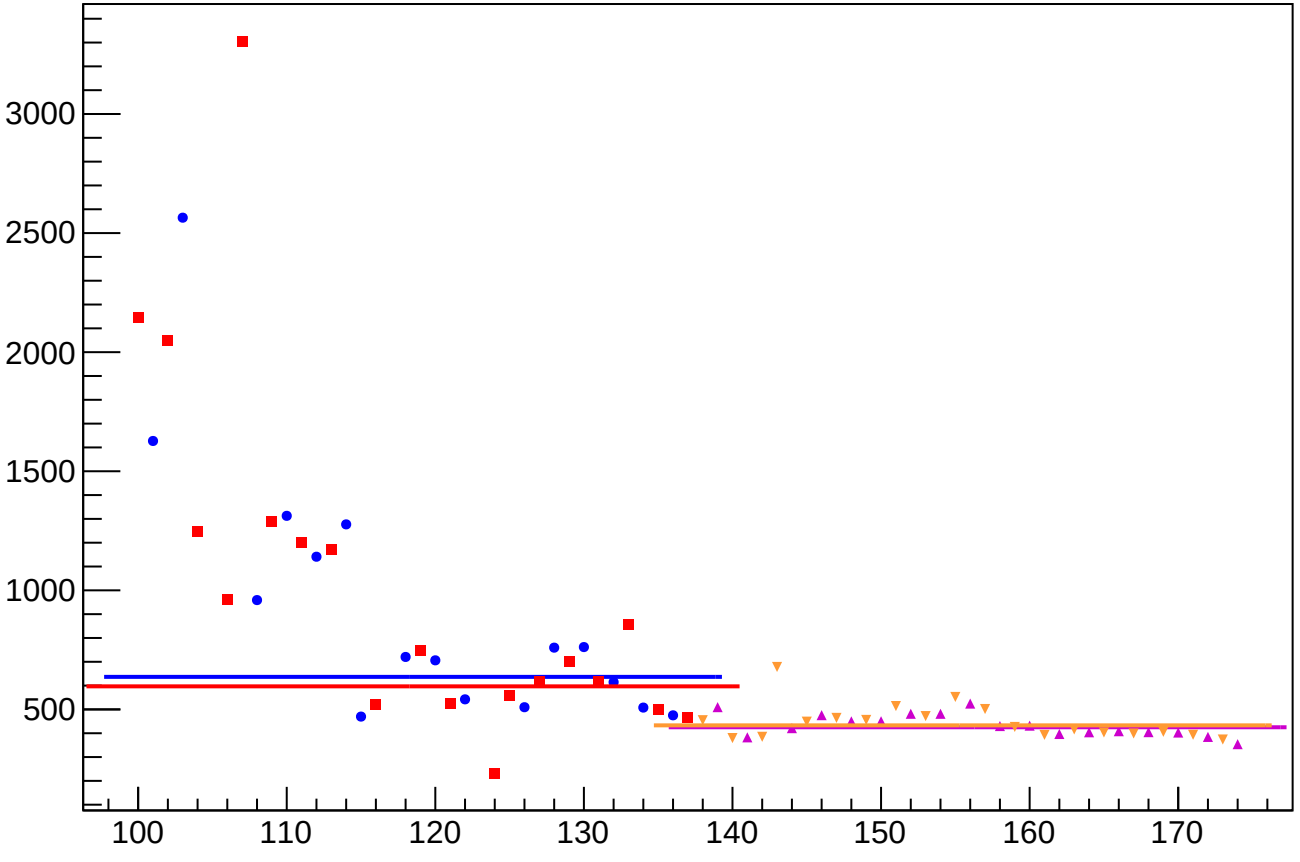
Left In: 44.735+/-111.126 χ^2/NDF:23.0/17

+ sign 480.804+/-103.682 χ^2/NDF: 77.2/34

All: 290.979+/-72.612 χ^2/NDF: 121.1/71

- 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: 433.119+/-0.080 χ^2/NDF:535779.1/18

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

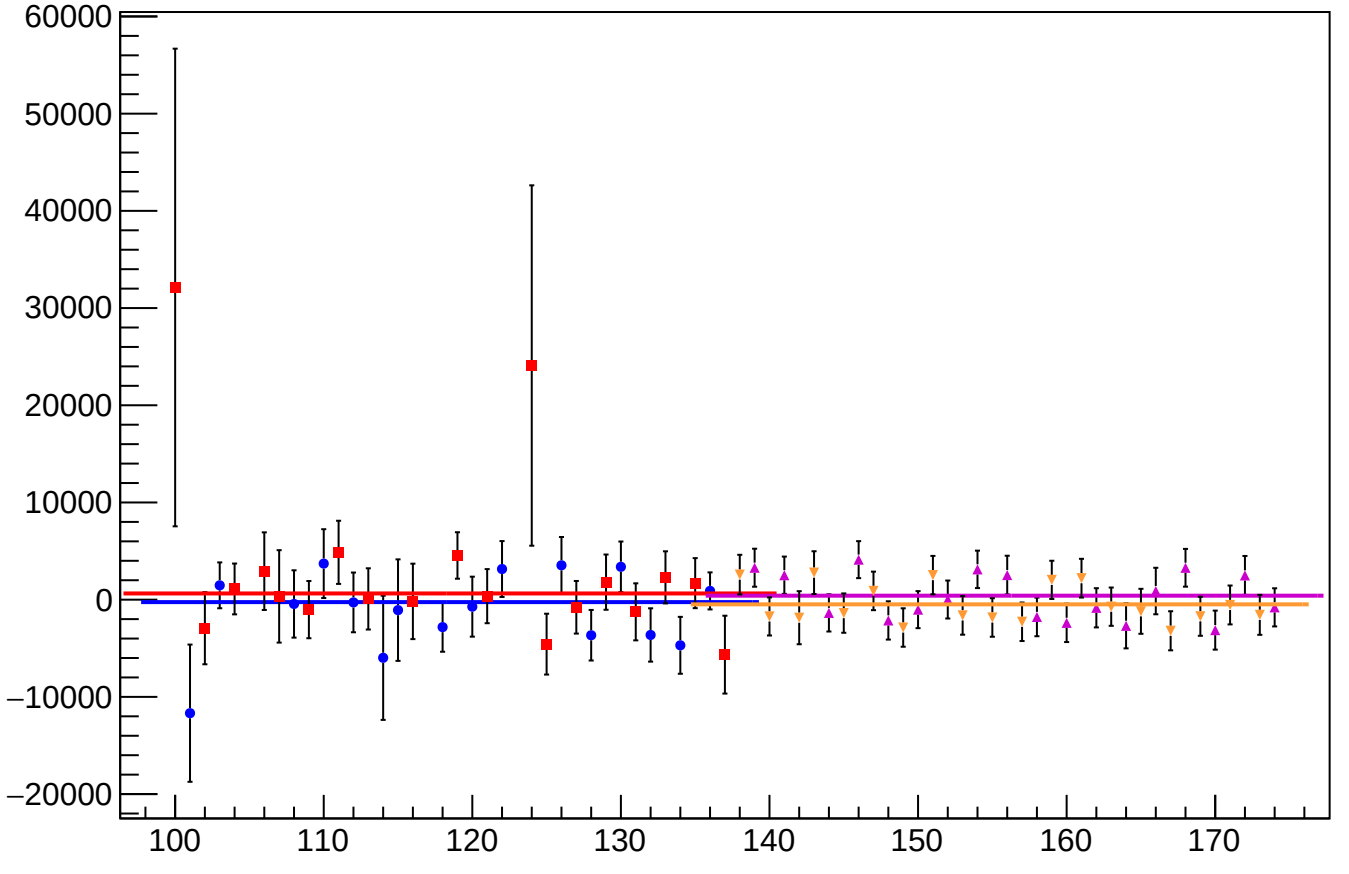
Left In: 425.090+/-0.079 χ^2/NDF:314426.2/17

+ sign 465.854+/-0.073 χ^2/NDF: 3642265.9/34

All: 459.269+/-0.051 χ^2/NDF: 7677470.0/71

- 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: -480.638+/-468.654 χ^2/NDF:17.2/18

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

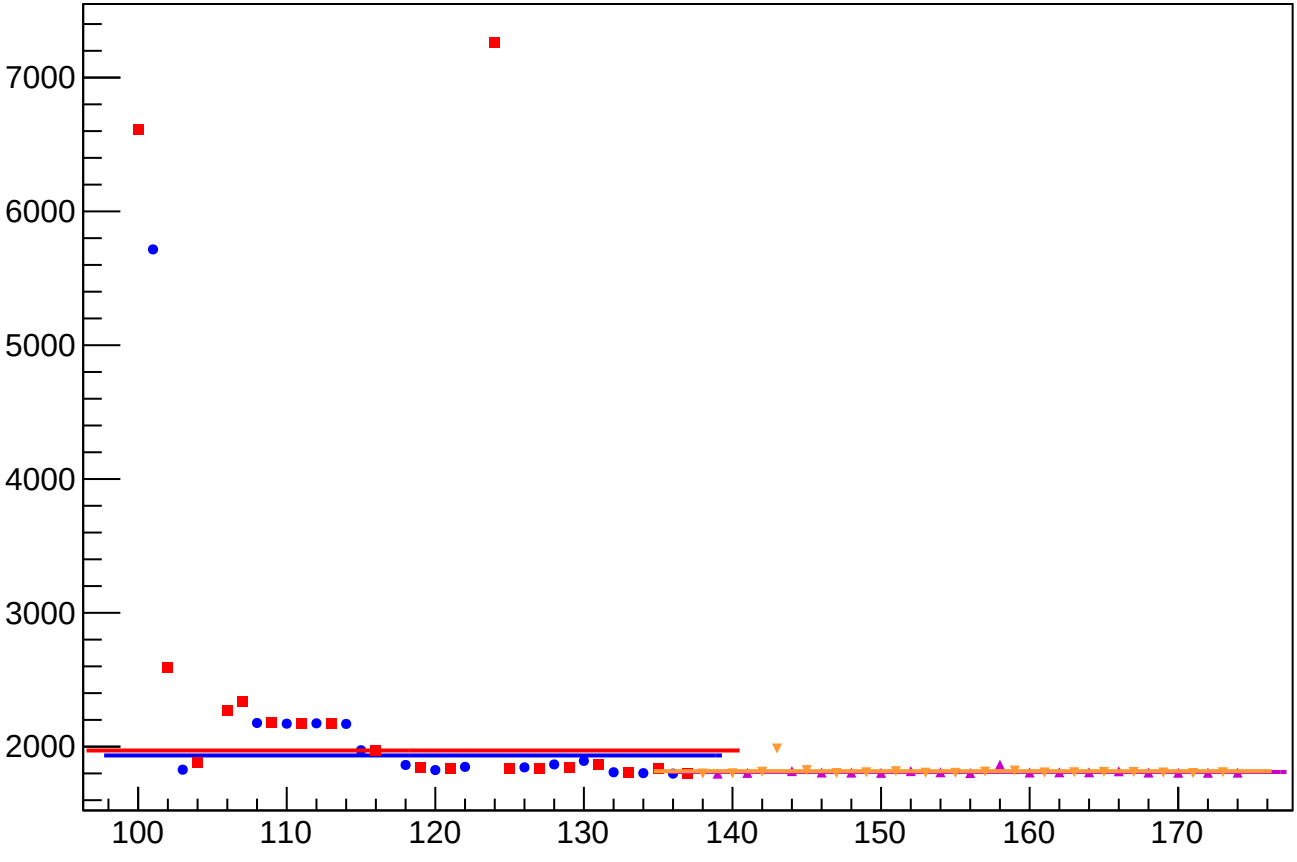
Left In: 410.995+/-469.417 χ^2/NDF:25.6/17

+ sign -414.128+/-395.177 χ^2/NDF: 34.6/34

All: 30.866+/-279.673 χ^2/NDF: 78.7/71

- 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: 1816.830+/-0.331 χ^2/NDF:12768.7/18

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

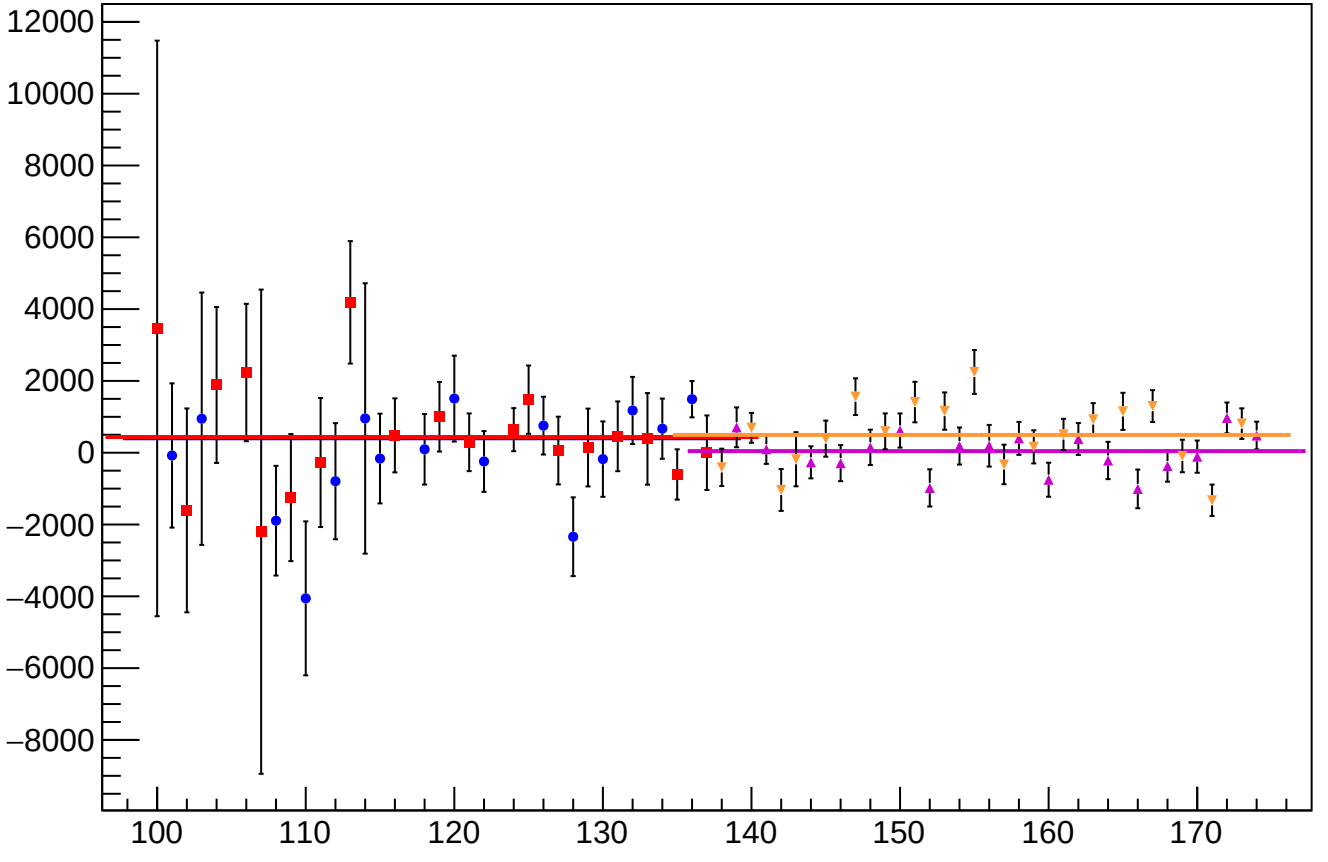
Left In: 1810.890+/-0.332 χ^2/NDF:1801.3/17

+ sign 1850.753+/-0.279 χ^2/NDF: 688949.3/34

All: 1853.992+/-0.198 χ^2/NDF: 1141705.2/71

- 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: 495.769+/-113.180 χ^2/NDF:56.0/18

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

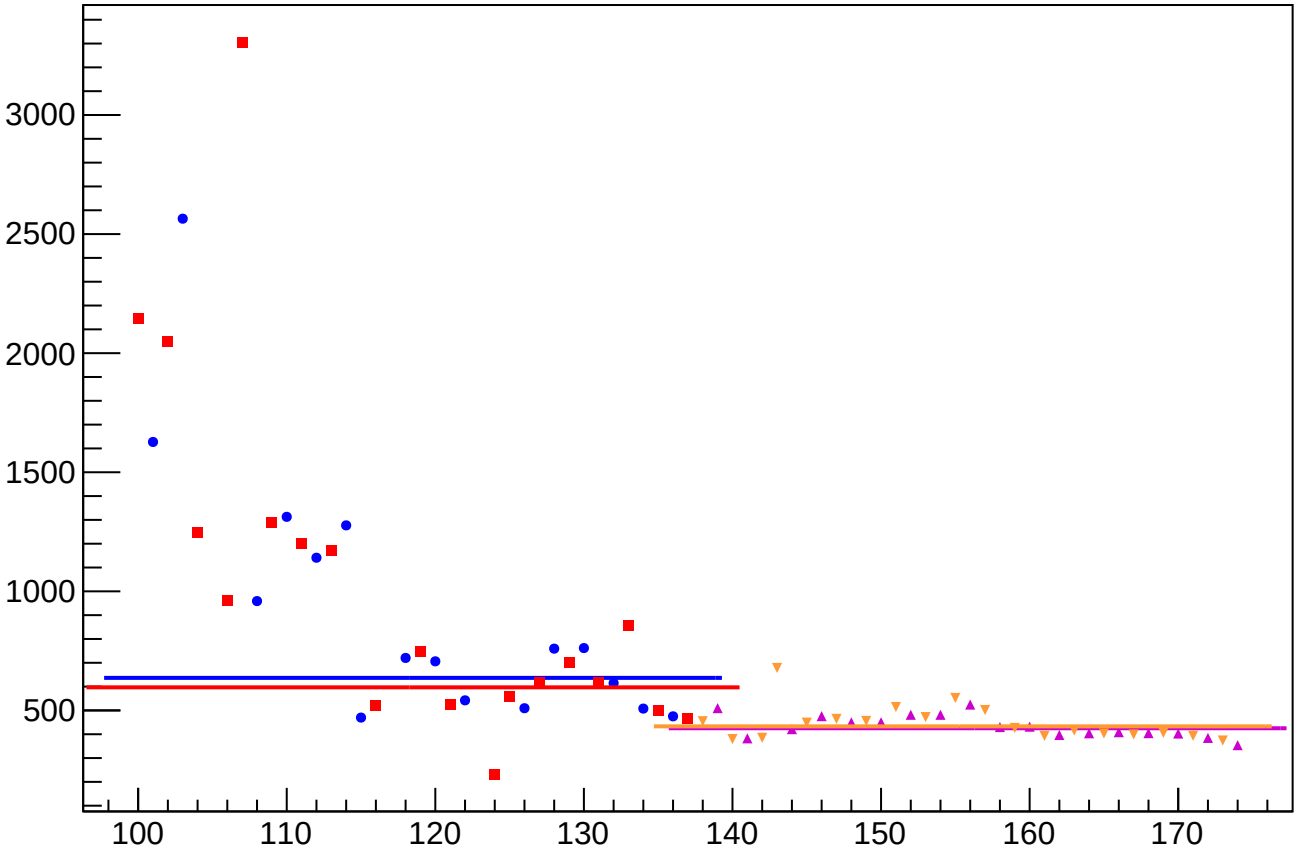
Left In: 44.735+/-111.126 χ^2/NDF:23.0/17

+ sign 480.804+/-103.682 χ^2/NDF: 77.2/34

All: 290.979+/-72.612 χ^2/NDF: 121.1/71

- 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: 433.119+/-0.080 χ^2/NDF:535779.1/18

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

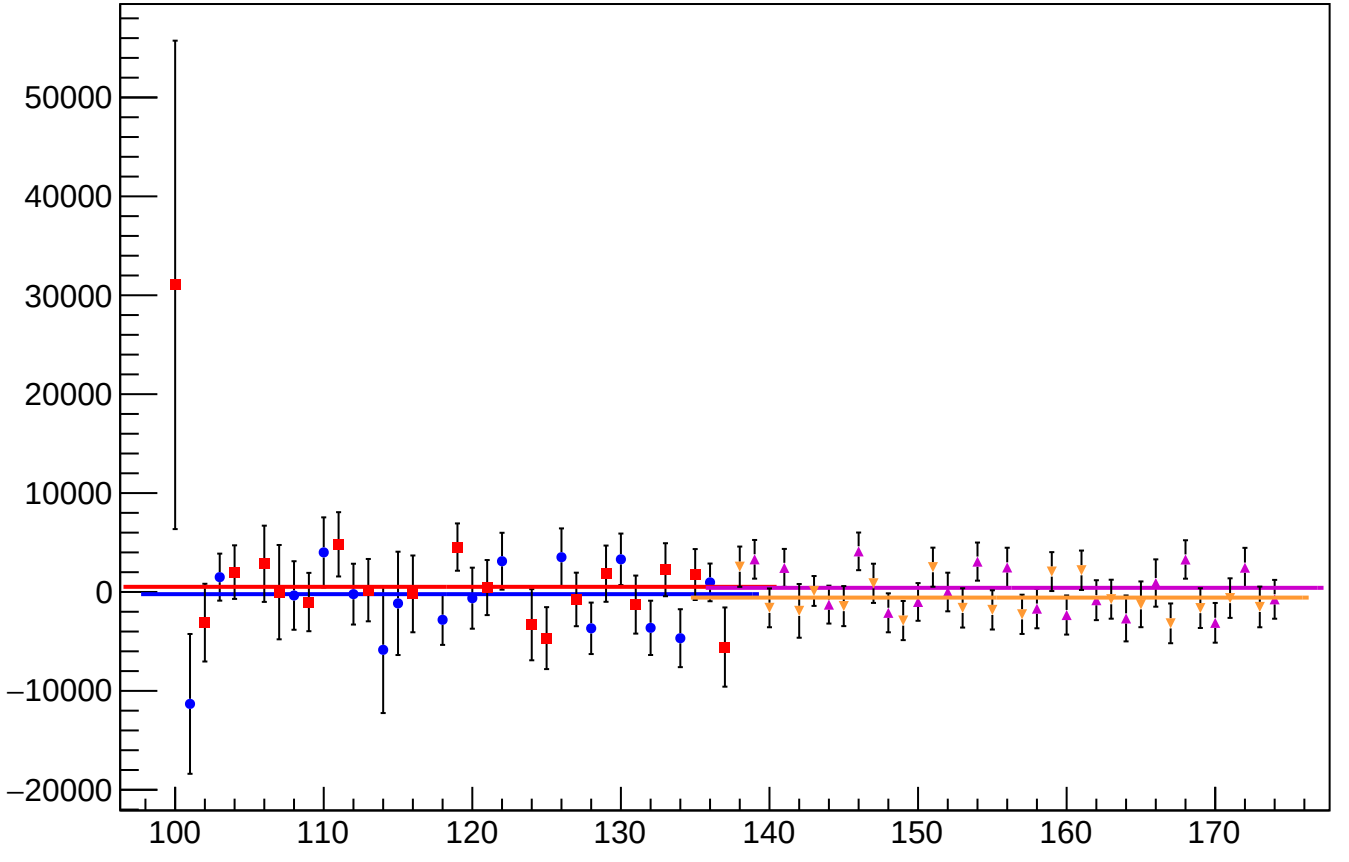
Left In: 425.090+/-0.079 χ^2/NDF:314426.2/17

+ sign 465.854+/-0.073 χ^2/NDF: 3642265.9/34

All: 459.269+/-0.051 χ^2/NDF: 7677470.0/71

- 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: -567.681+/-457.242 χ^2/NDF:15.0/18

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

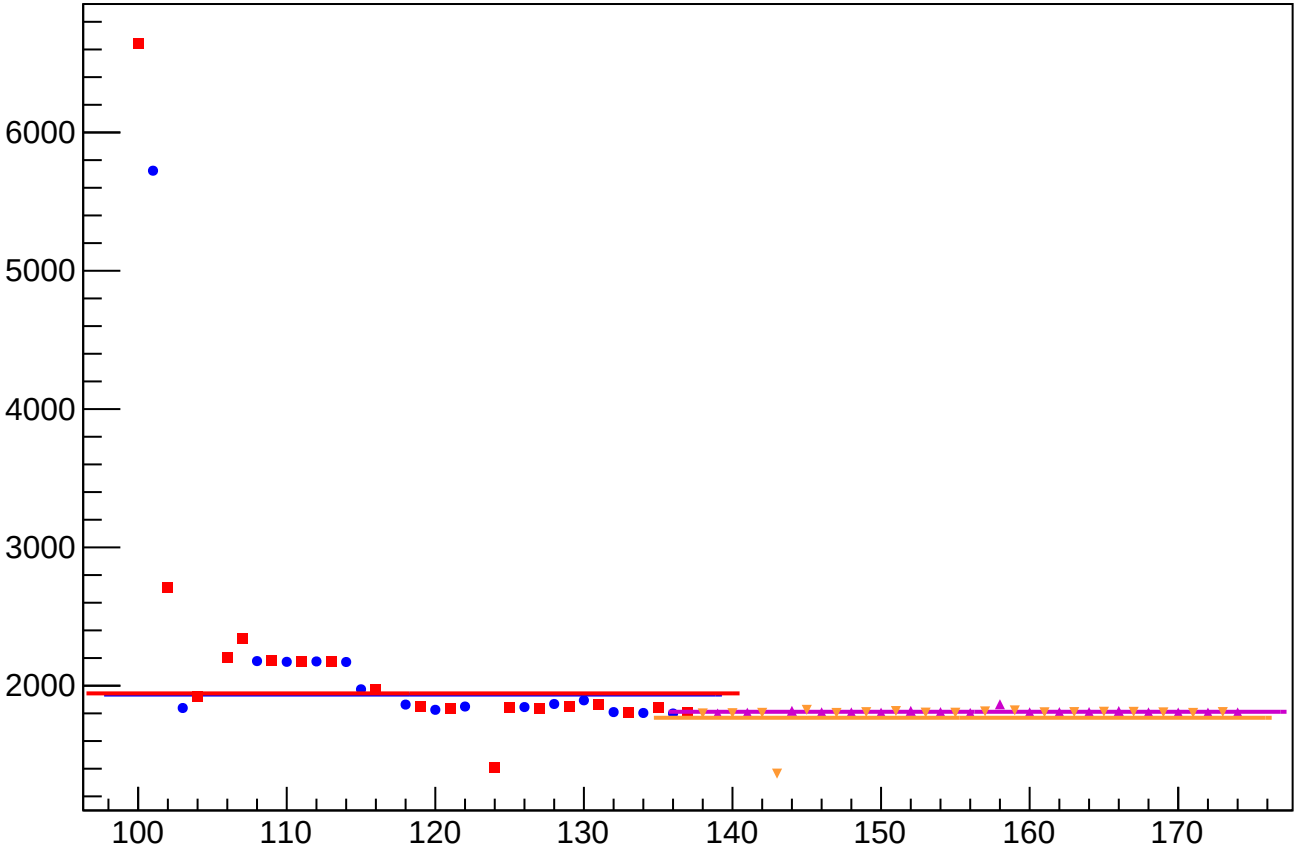
Left In: 418.990+/-469.572 χ^2/NDF:25.0/17

+ sign -470.948+/-388.377 χ^2/NDF: 32.2/34

All: -17.768+/-276.633 χ^2/NDF: 75.6/71

- 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: 1768.269+/-0.323 χ^2/NDF:158052.1/18

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

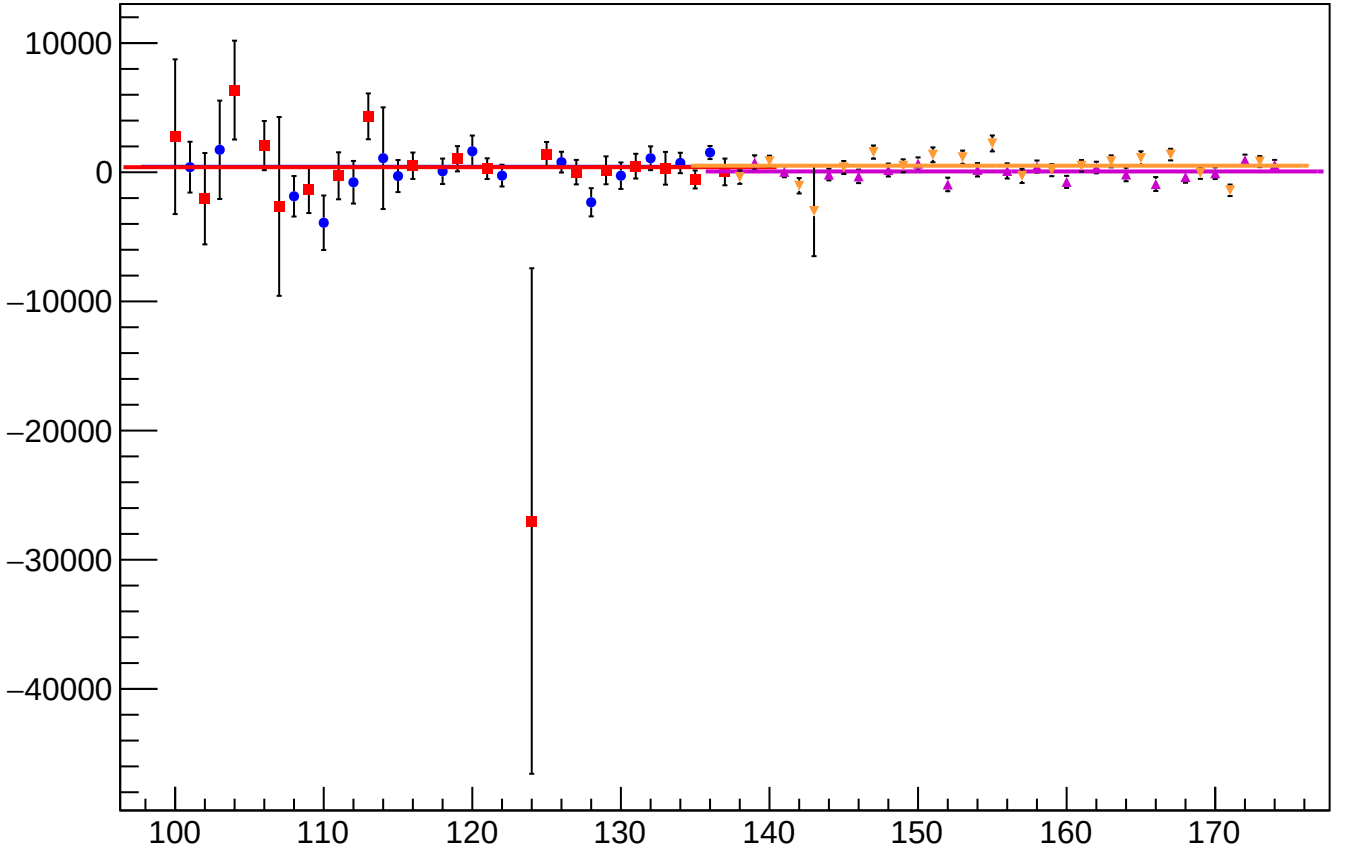
Left In: 1811.489+/-0.332 χ^2/NDF:1797.8/17

+ sign 1814.981+/-0.275 χ^2/NDF: 872800.0/34

All: 1832.626+/-0.196 χ^2/NDF: 1206622.9/71

- 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: 508.212+/-115.973 χ^2/NDF:55.4/18

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

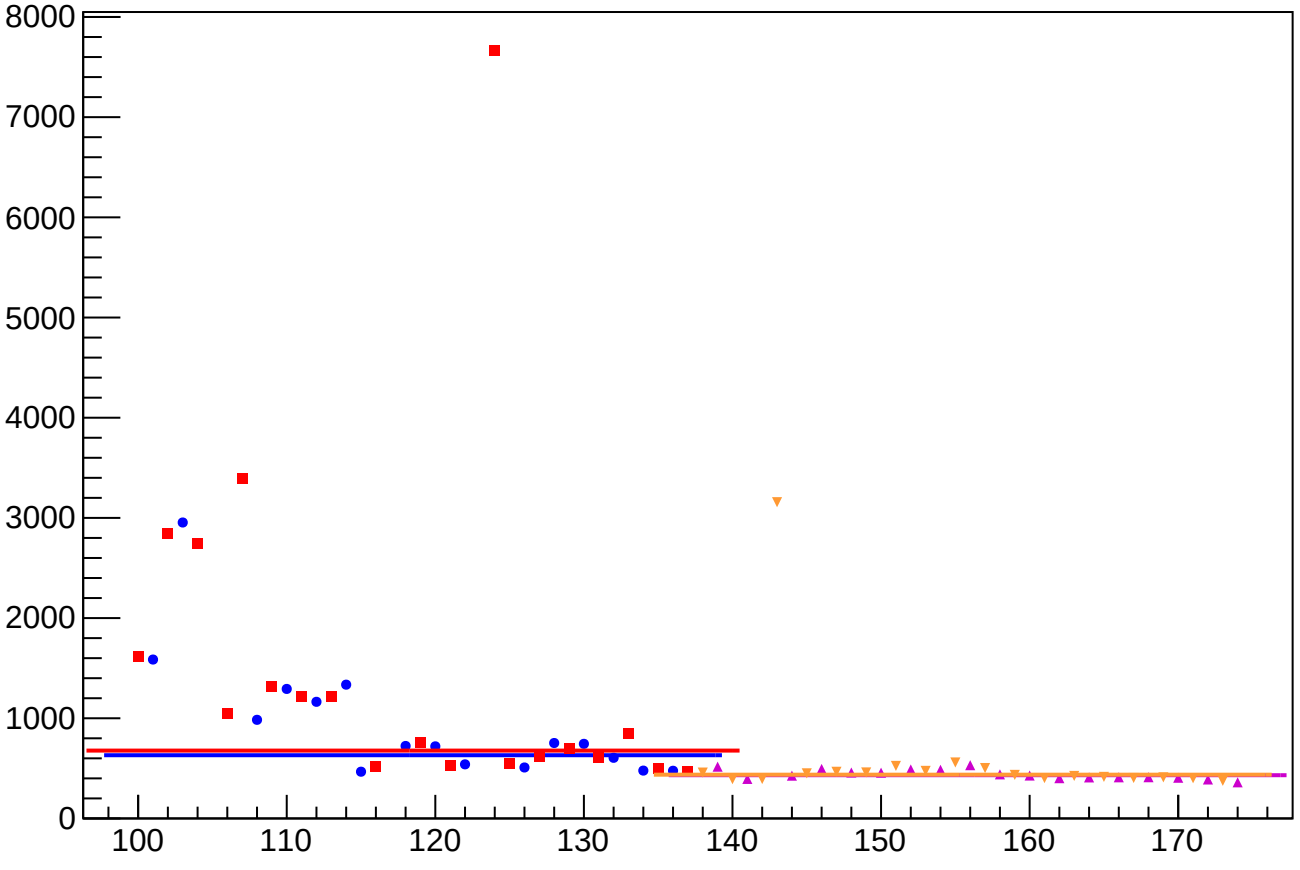
Left In: 61.737+/-112.730 χ^2/NDF:21.9/17

+ sign 493.458+/-105.691 χ^2/NDF: 76.9/34

All: 298.713+/-74.328 χ^2/NDF: 122.6/71

- 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: 436.919+/-0.082 χ^2/NDF:1511323.0/18

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

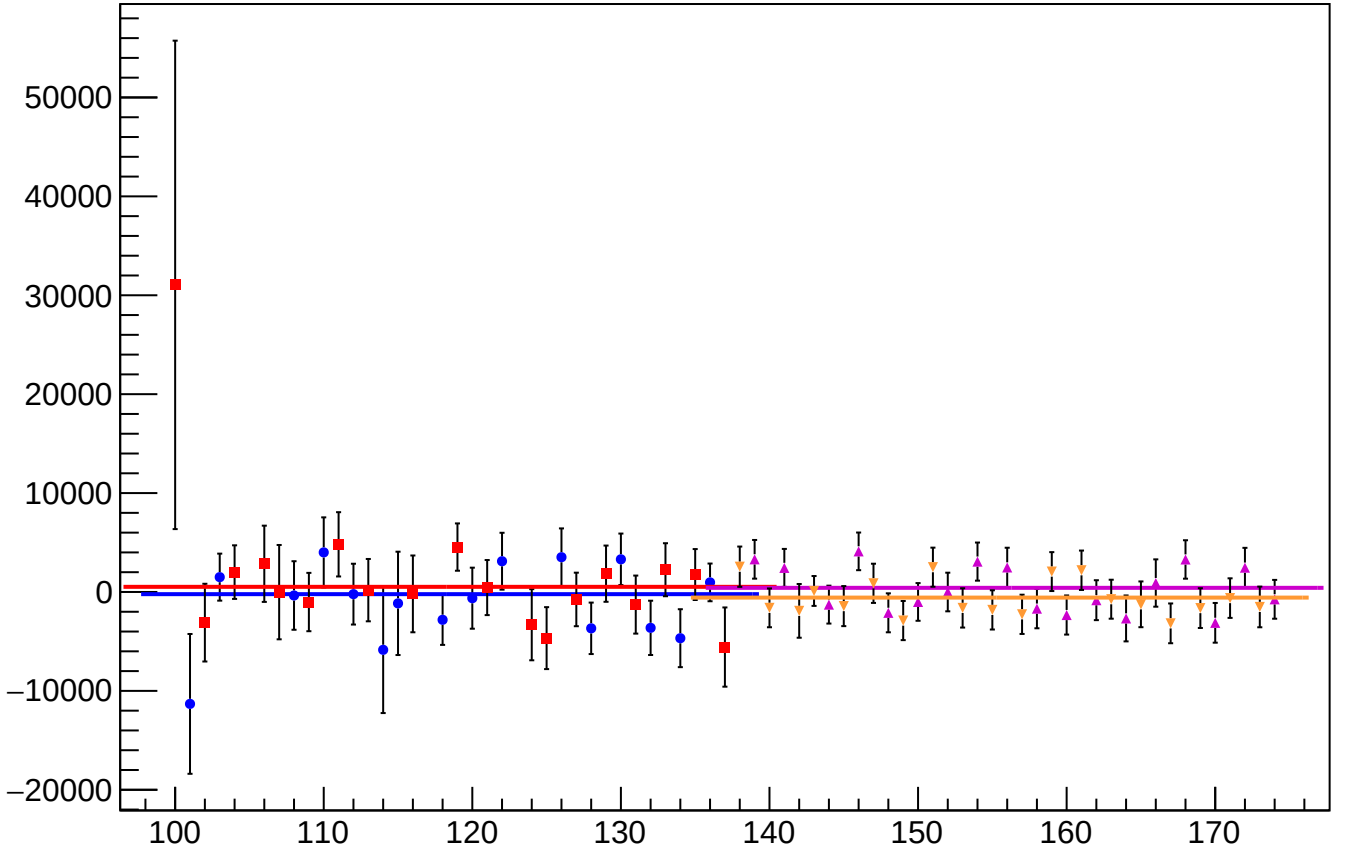
Left In: 431.682+/-0.080 χ^2/NDF:315178.4/17

+ sign 469.831+/-0.075 χ^2/NDF: 4696328.8/34

All: 467.922+/-0.053 χ^2/NDF: 9423749.9/71

- 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: -567.682+/-457.242 χ^2/NDF:15.0/18

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

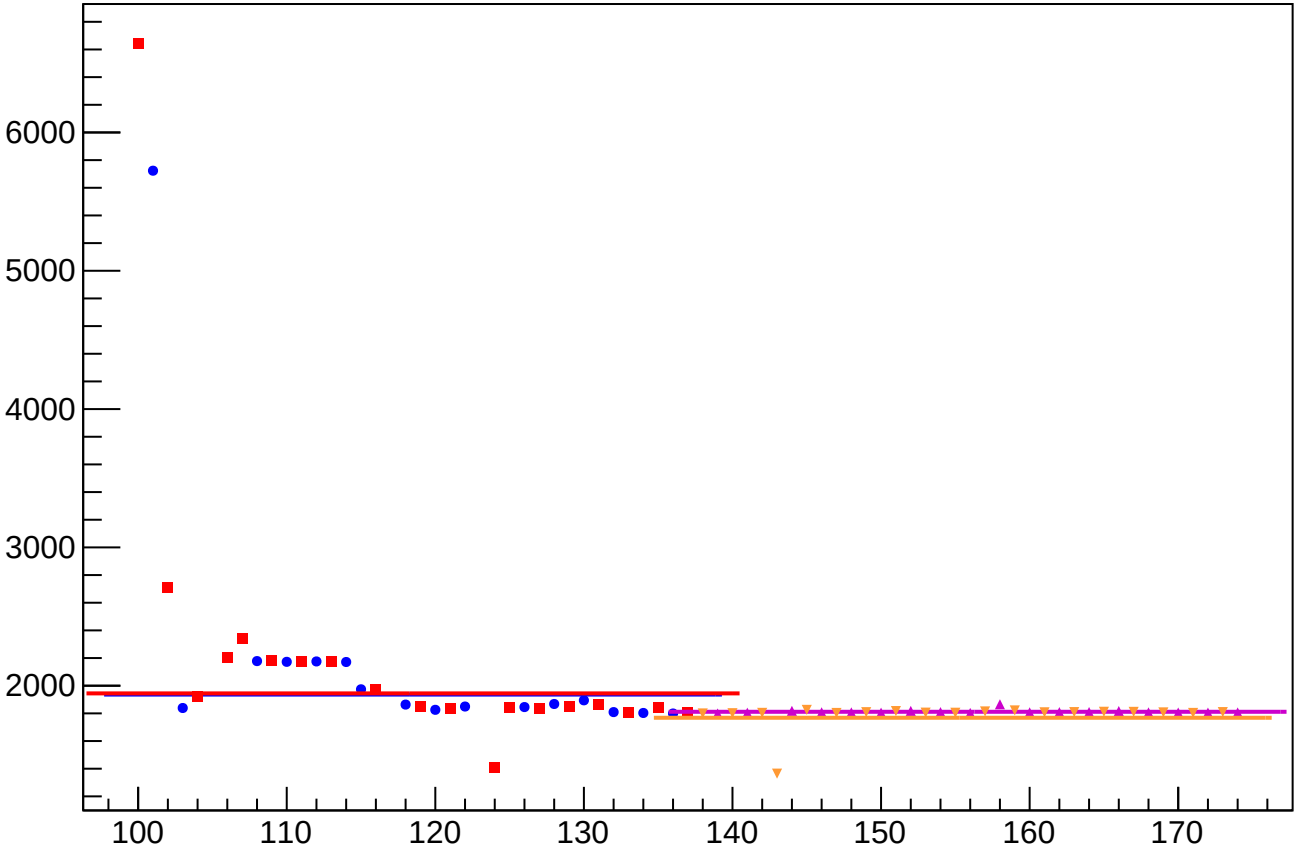
Left In: 418.990+/-469.572 χ^2/NDF:25.0/17

+ sign -470.949+/-388.377 χ^2/NDF: 32.2/34

All: -17.769+/-276.633 χ^2/NDF: 75.6/71

- 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: 1768.269+/-0.323 χ^2/NDF:158052.1/18

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

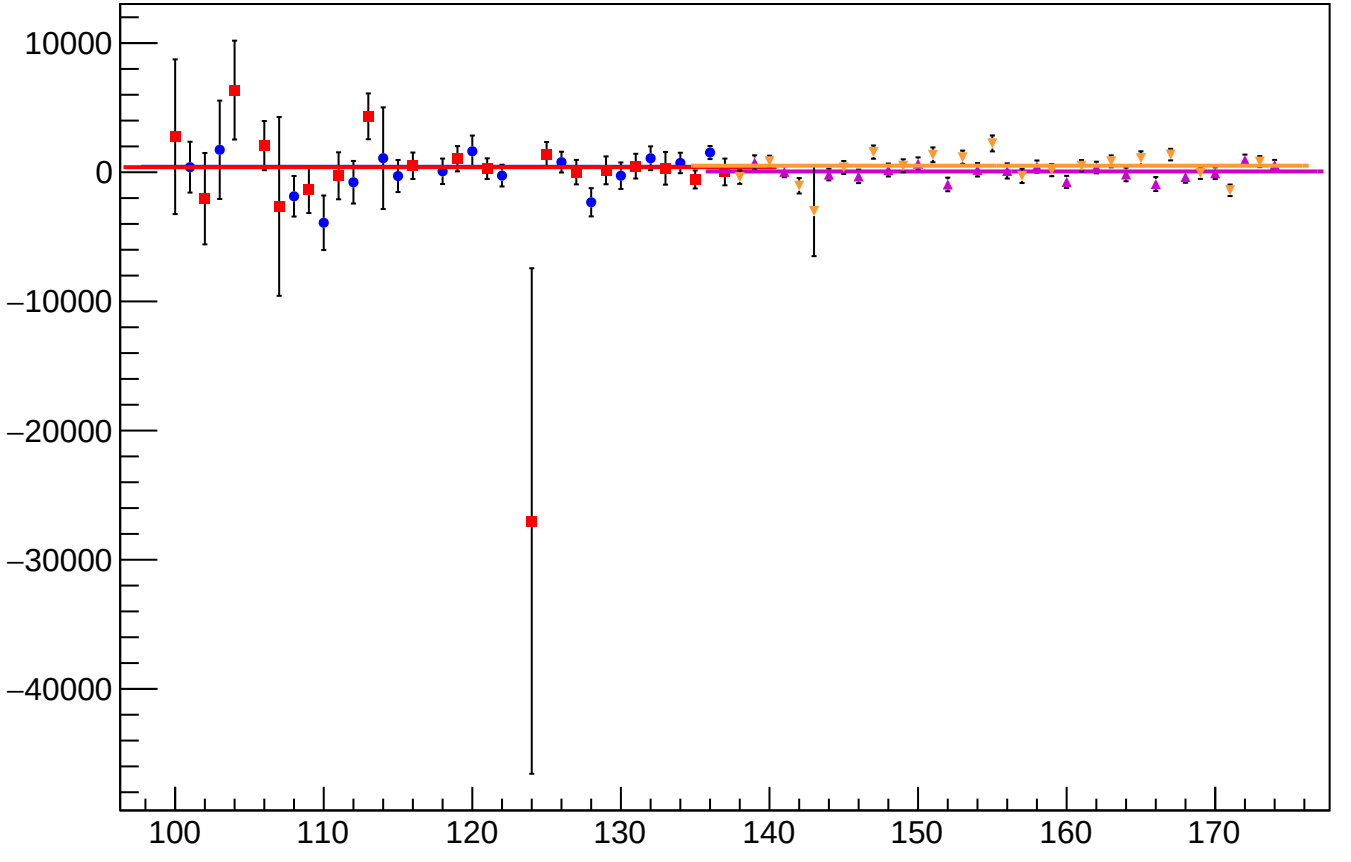
Left In: 1811.489+/-0.332 χ^2/NDF:1797.8/17

+ sign 1814.981+/-0.275 χ^2/NDF: 872800.0/34

All: 1832.626+/-0.196 χ^2/NDF: 1206622.7/71

- sign 1850.797+/-0.279 χ^2/NDF: 325443.2/36

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 508.212+/-115.973 χ^2/NDF:55.4/18

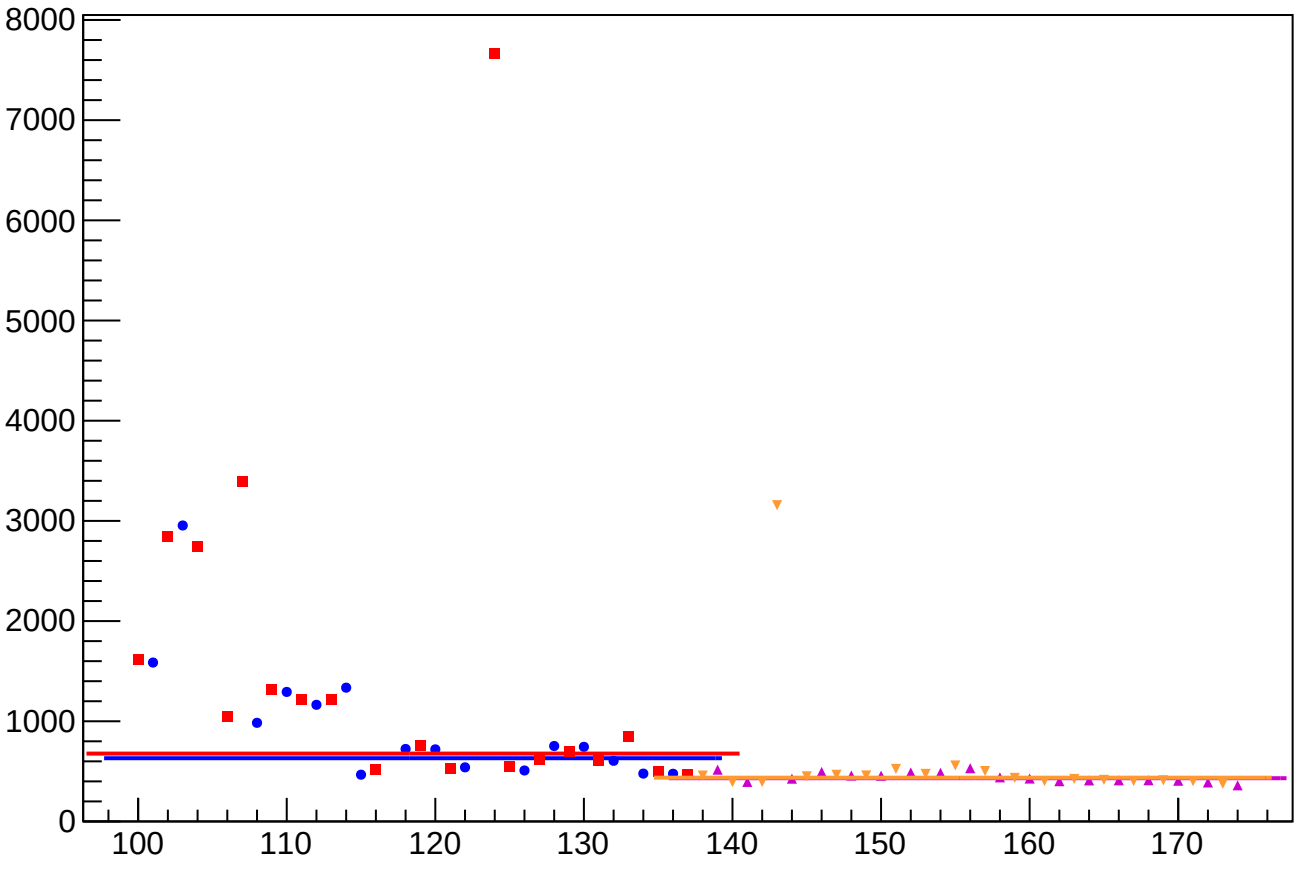
Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: 61.736+/-112.730 χ^2/NDF:21.9/17

+ sign 493.458+/-105.691 χ^2/NDF: 76.9/34

All: 298.712+/-74.328 χ^2/NDF: 122.6/71

- sign 108.148+/-104.550 χ^2/NDF: 38.9/36



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 436.919+/-0.082 χ^2/NDF:1511324.4/18

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

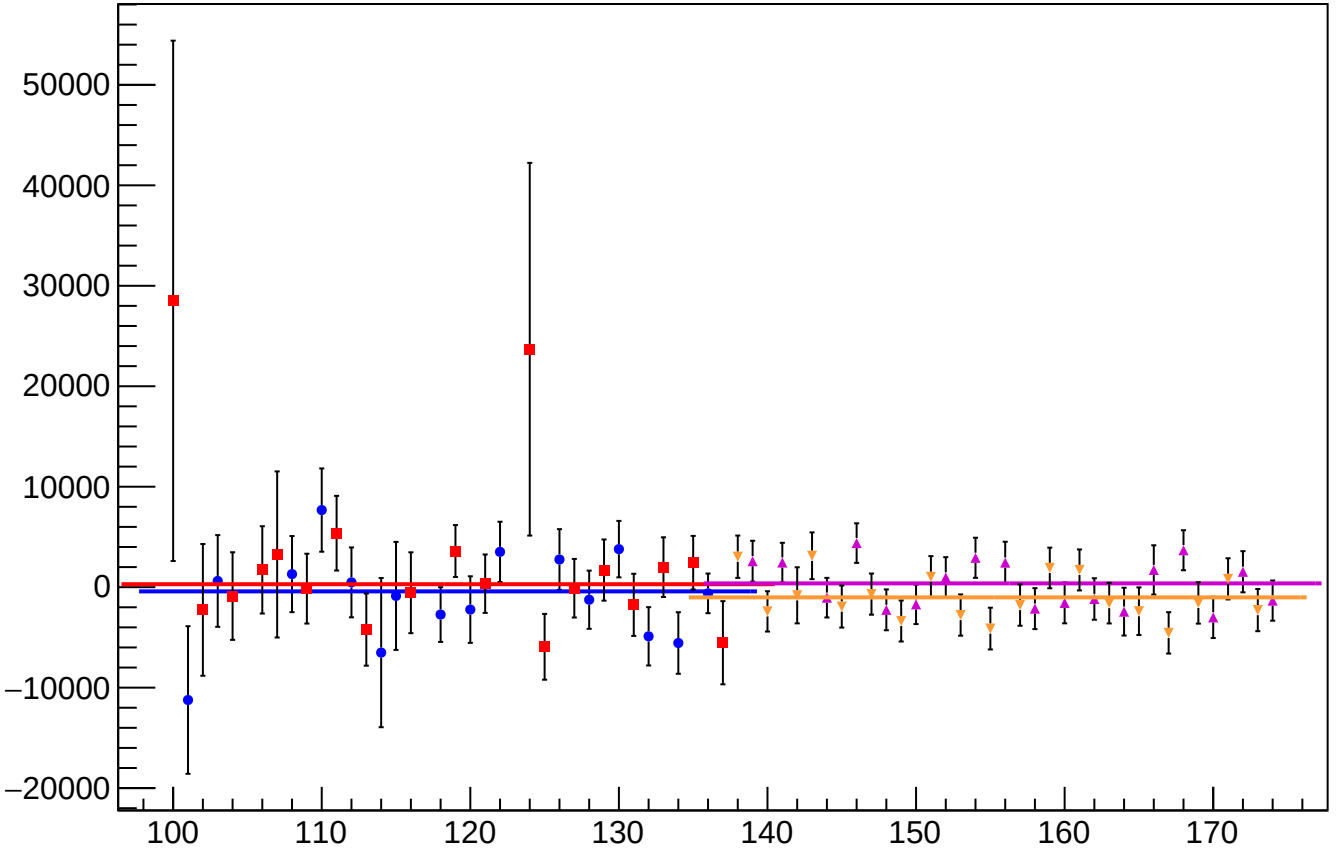
Left In: 431.682+/-0.080 χ^2/NDF:315181.4/17

+ sign 469.831+/-0.075 χ^2/NDF: 4696330.3/34

All: 467.921+/-0.053 χ^2/NDF: 9423755.7/71

- 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: -1014.354+/-483.469 χ^2/NDF:21.5/18

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

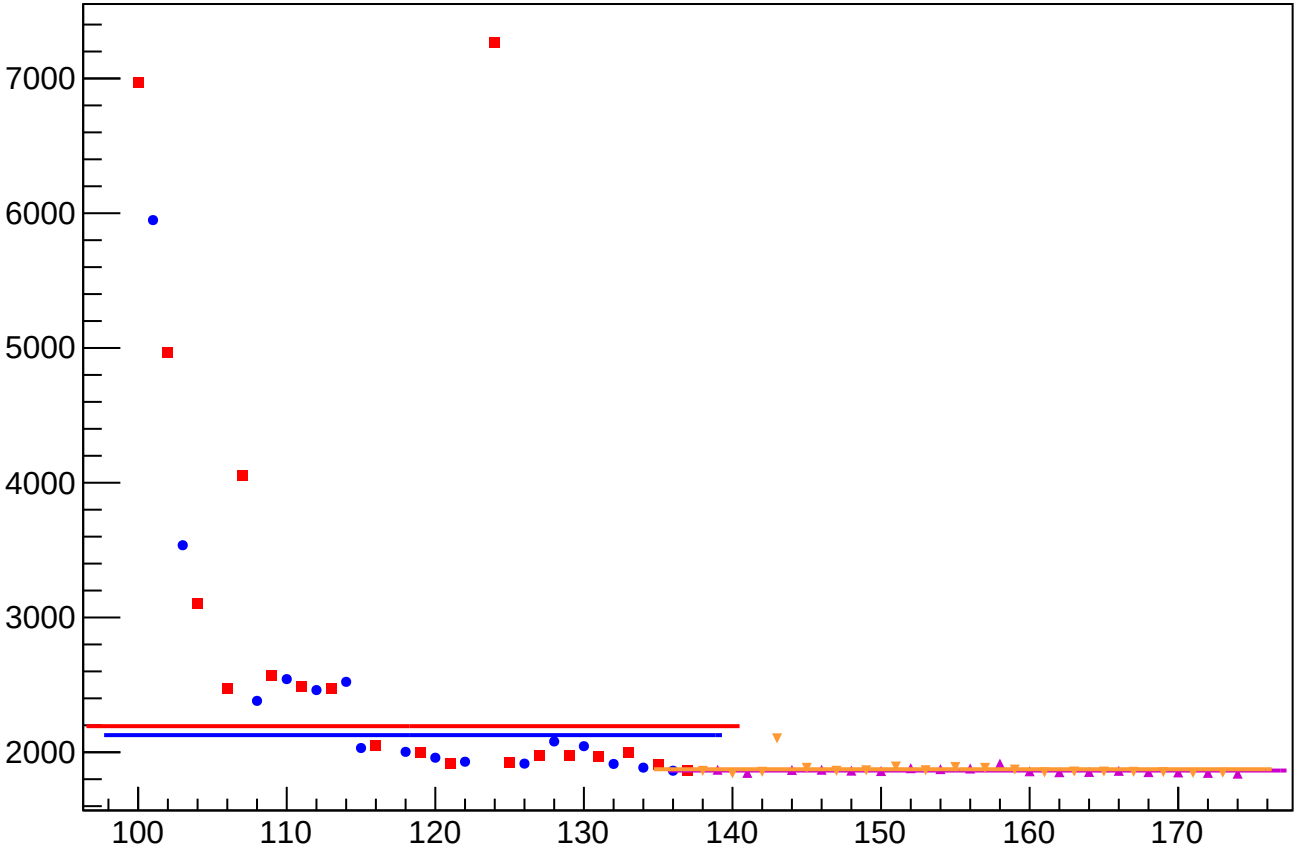
Left In: 376.595+/-483.259 χ^2/NDF:23.7/17

+ sign -859.138+/-415.860 χ^2/NDF: 40.2/34

All: -254.504+/-294.752 χ^2/NDF: 83.8/71

- 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: 1873.953+/-0.342 χ^2/NDF:22111.7/18

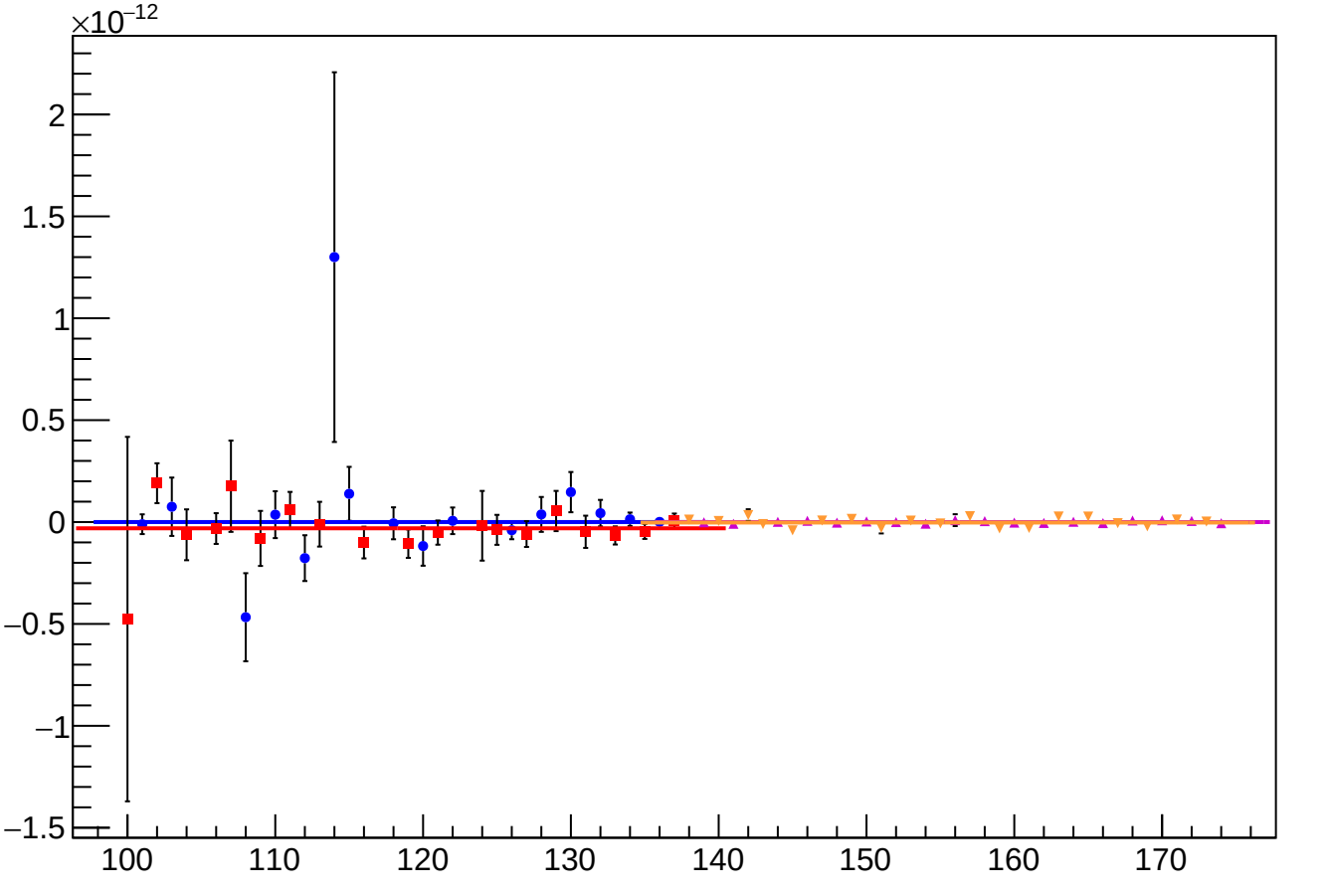
Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1864.252+/-0.342 χ^2/NDF:2439.5/17

+ sign 1939.788+/-0.294 χ^2/NDF: 1039757.6/34

All: 1943.568+/-0.208 χ^2/NDF: 2219555.5/71

- sign 1947.384+/-0.295 χ^2/NDF: 1179465.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/18

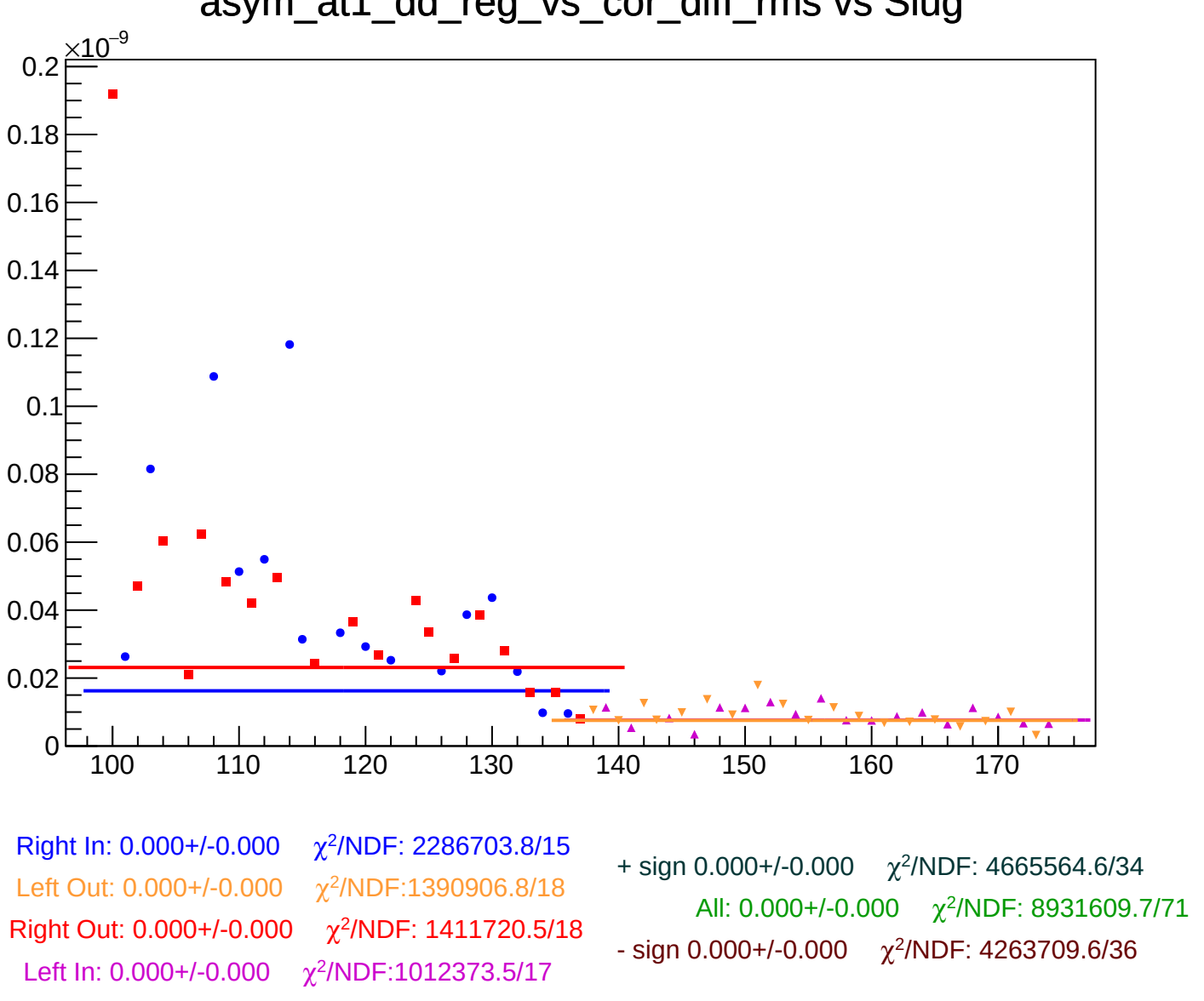
Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.5/17

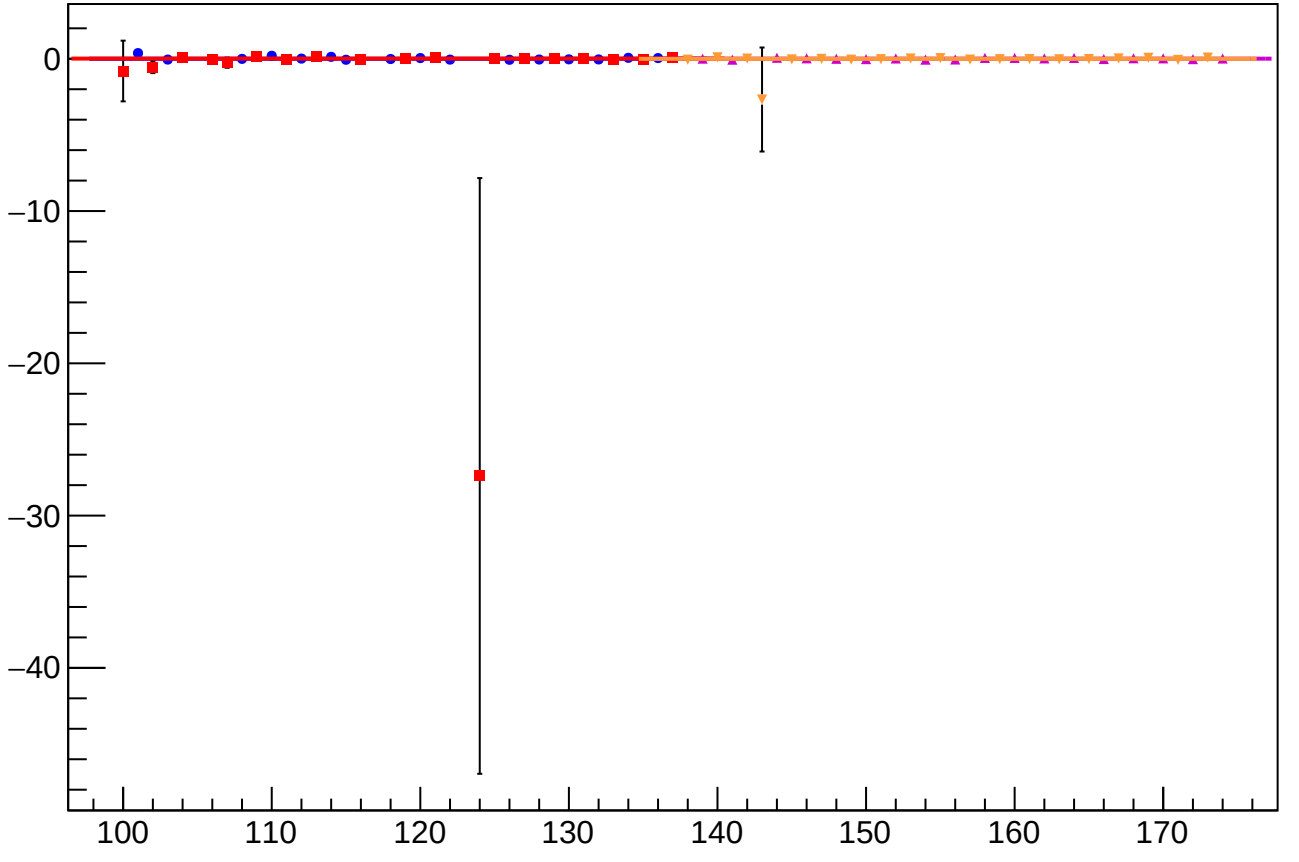
+ sign -0.000+/-0.000 χ^2/NDF: 46.4/34

All: -0.000+/-0.000 χ^2/NDF: 64.8/71

- sign -0.000+/-0.000 χ^2/NDF: 18.5/36


asym_at1_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2286703.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1390906.8/18
Right Out: 0.000+/-0.000 χ²/NDF: 1411720.5/18
Left In: 0.000+/-0.000 χ²/NDF:1012373.5/17
+ sign 0.000+/-0.000 χ²/NDF: 4665564.6/34
All: 0.000+/-0.000 χ²/NDF: 8931609.7/71
- sign 0.000+/-0.000 χ²/NDF: 4263709.6/36

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/18

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

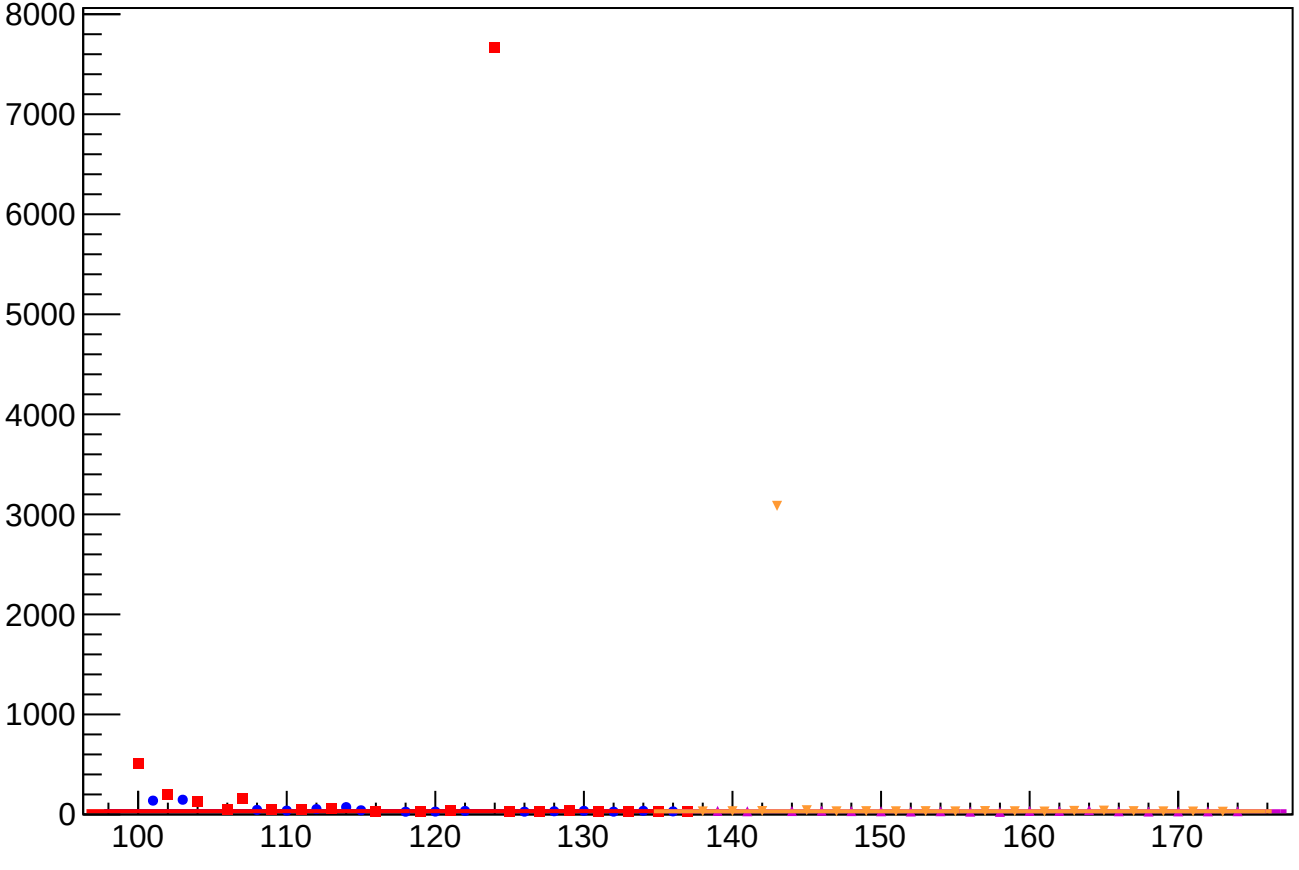
Left In: 0.007+/-0.009 χ^2/NDF:18.0/17

+ sign -0.002+/-0.008 χ^2/NDF: 51.7/34

All: 0.003+/-0.005 χ^2/NDF: 84.8/71

- 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: 31.806+/-0.006 χ^2/NDF:1814704.1/18

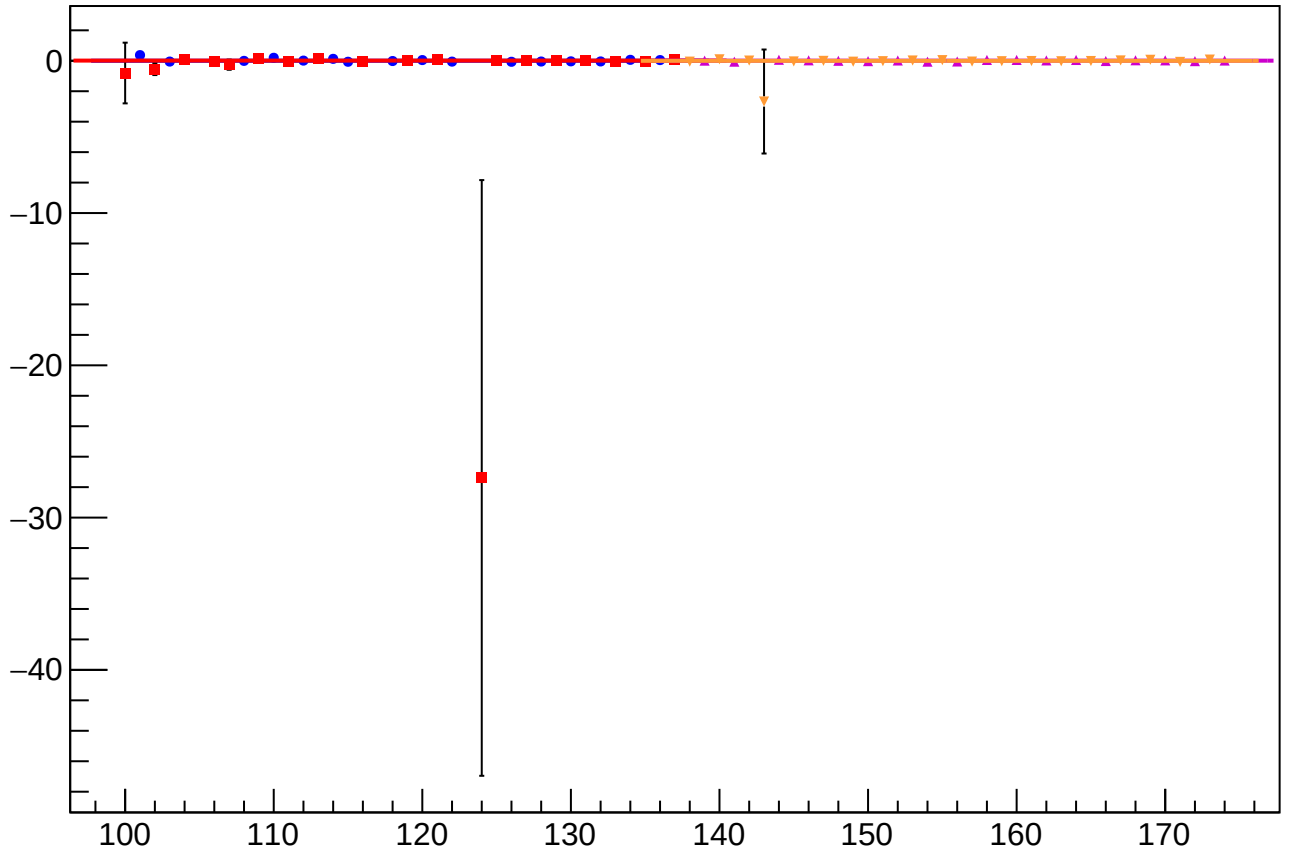
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.265+/-0.006 χ^2/NDF:268224.7/17

+ sign 32.432+/-0.006 χ^2/NDF: 3565526.2/34

All: 32.460+/-0.004 χ^2/NDF: 5913344.0/71

- 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:30.6/18

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

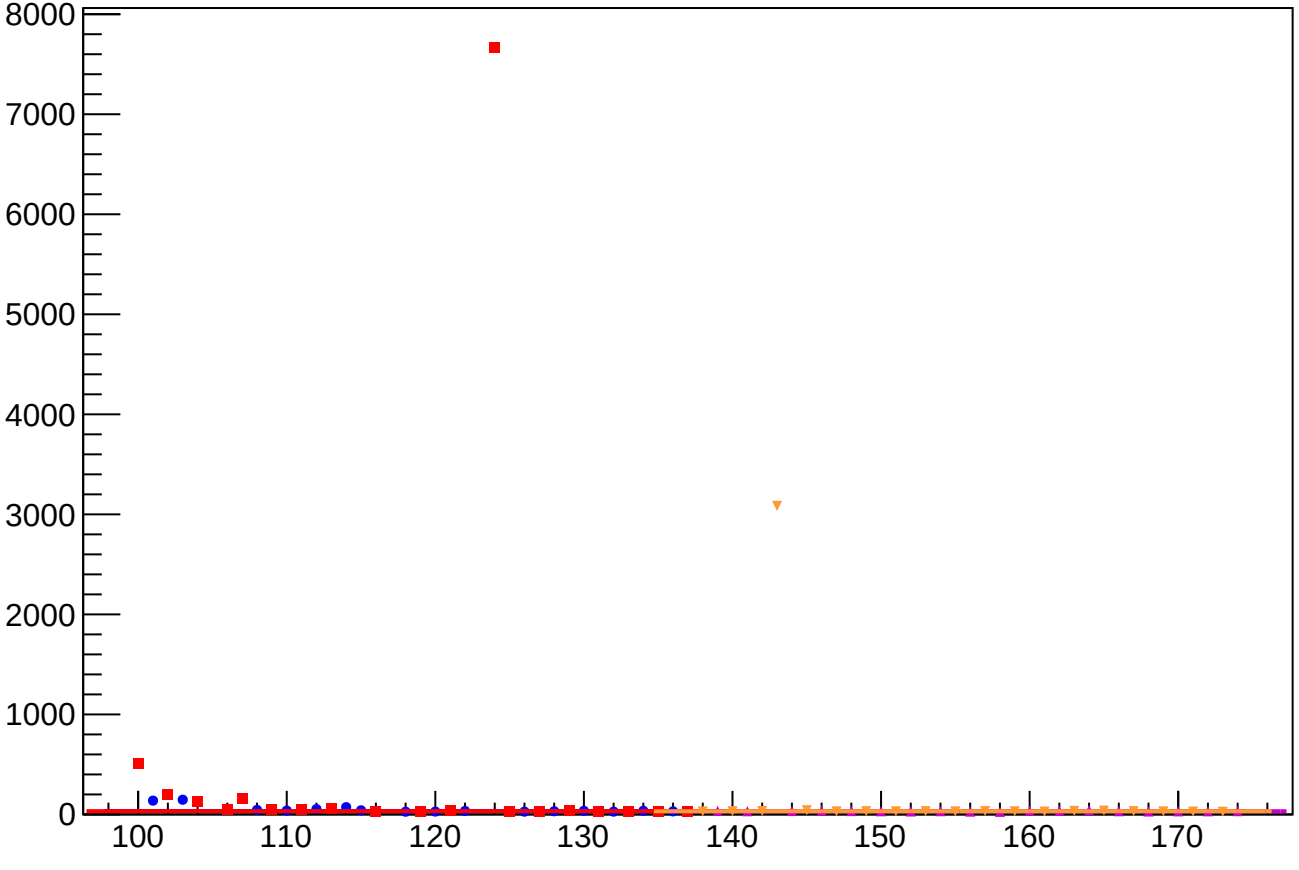
Left In: 0.007+/-0.009 χ^2/NDF:18.0/17

+ sign -0.002+/-0.008 χ^2/NDF: 51.7/34

All: 0.003+/-0.005 χ^2/NDF: 84.8/71

- 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: 31.806+/-0.006 χ^2/NDF:1814704.1/18

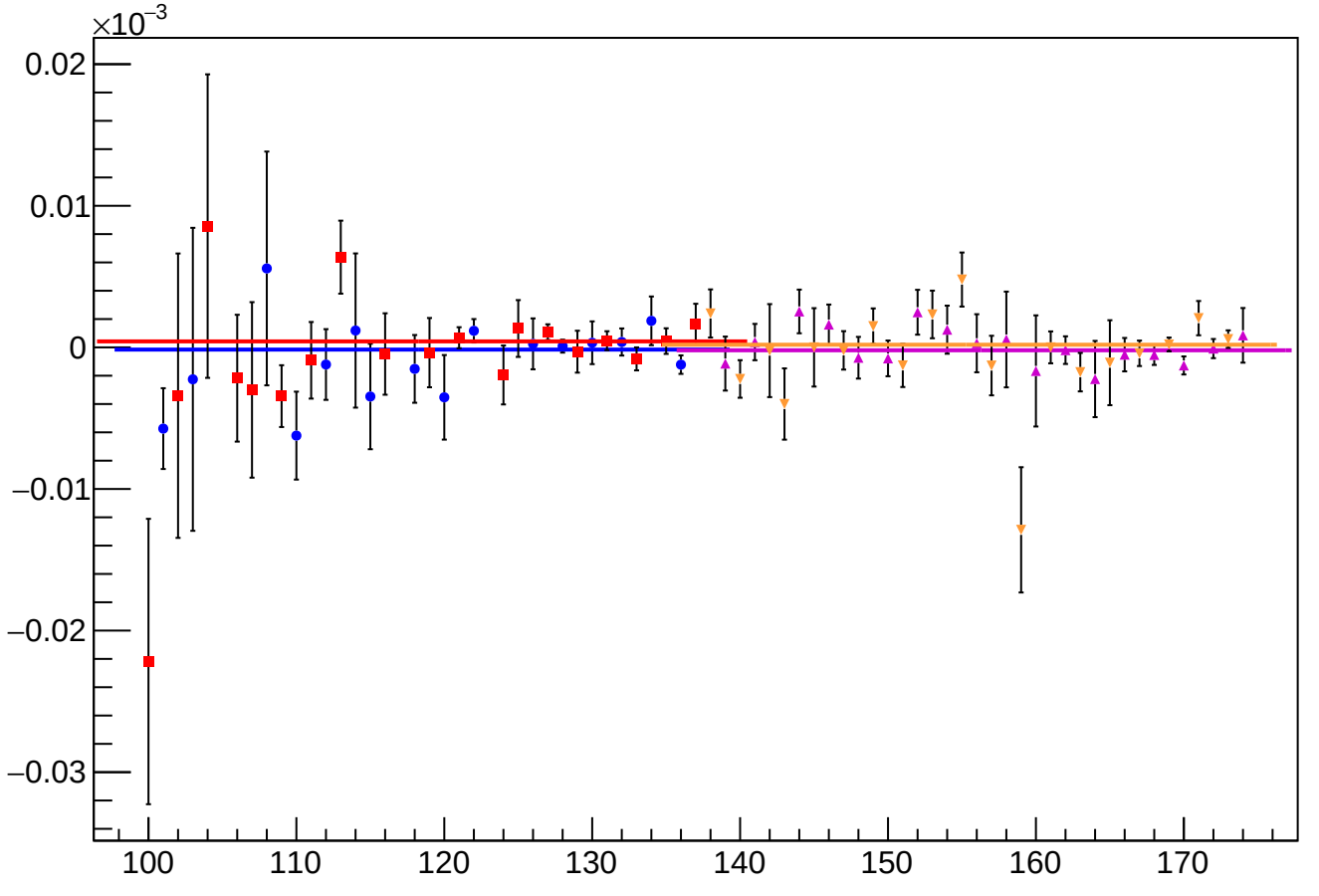
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.265+/-0.006 χ^2/NDF:268224.7/17

+ sign 32.432+/-0.006 χ^2/NDF: 3565526.2/34

All: 32.460+/-0.004 χ^2/NDF: 5913344.0/71

- 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:32.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

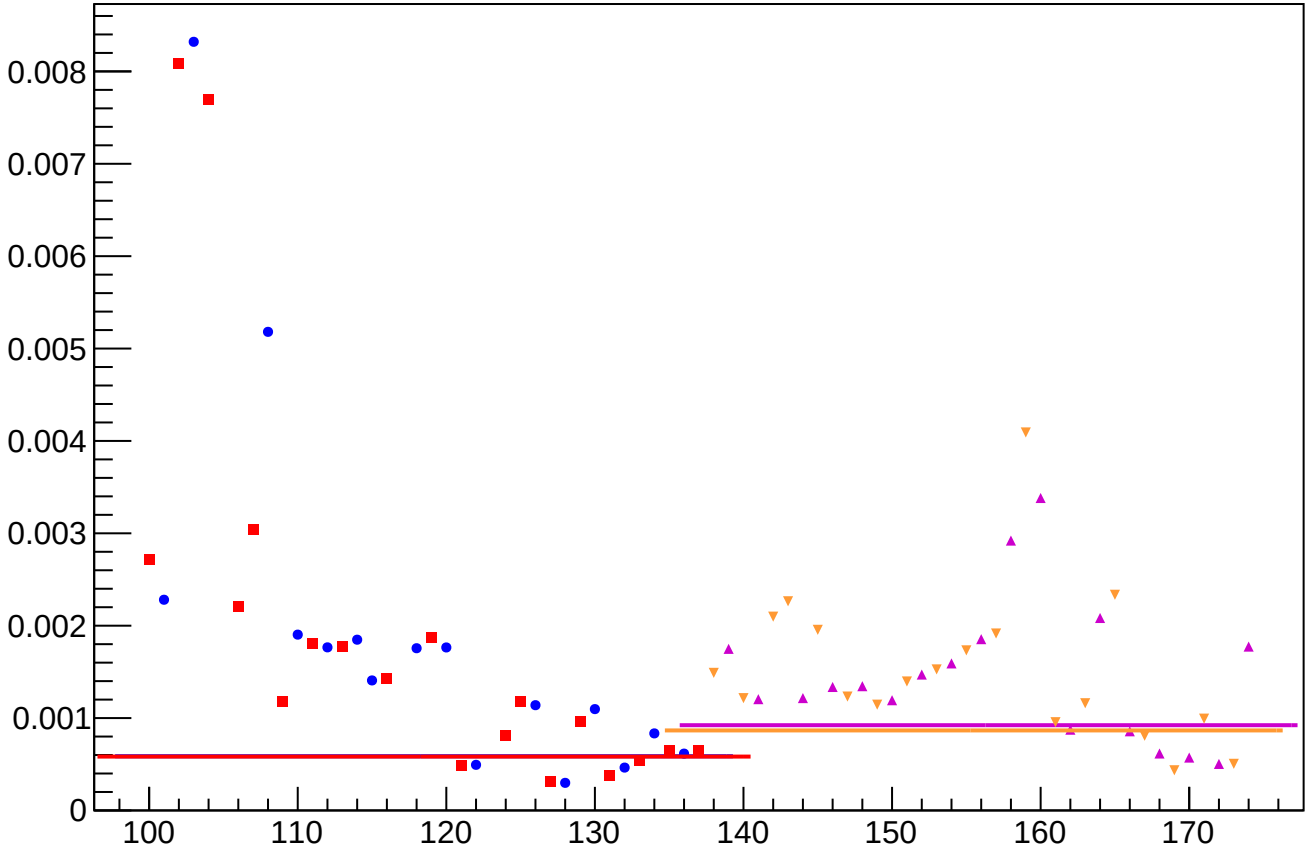
Left In: -0.000+/-0.000 χ^2/NDF:13.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 51.0/34

All: 0.000+/-0.000 χ^2/NDF: 88.6/71

- sign 0.000+/-0.000 χ^2/NDF: 37.5/36

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:7261986.4/18

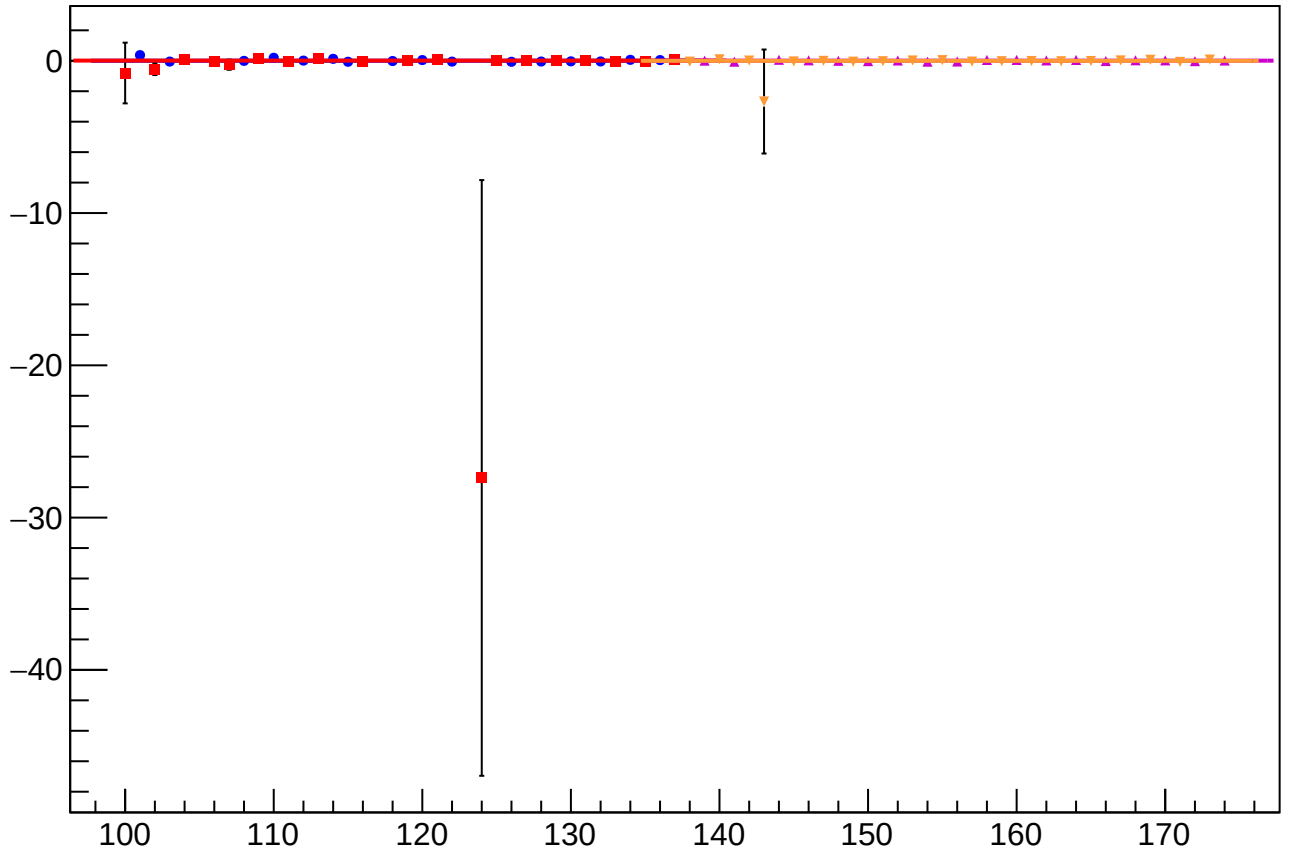
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:5939679.8/17

+ sign 0.001+/-0.000 χ^2/NDF: 13740602.3/34

All: 0.001+/-0.000 χ^2/NDF: 26571138.2/71

- sign 0.001+/-0.000 χ^2/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:30.6/18

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

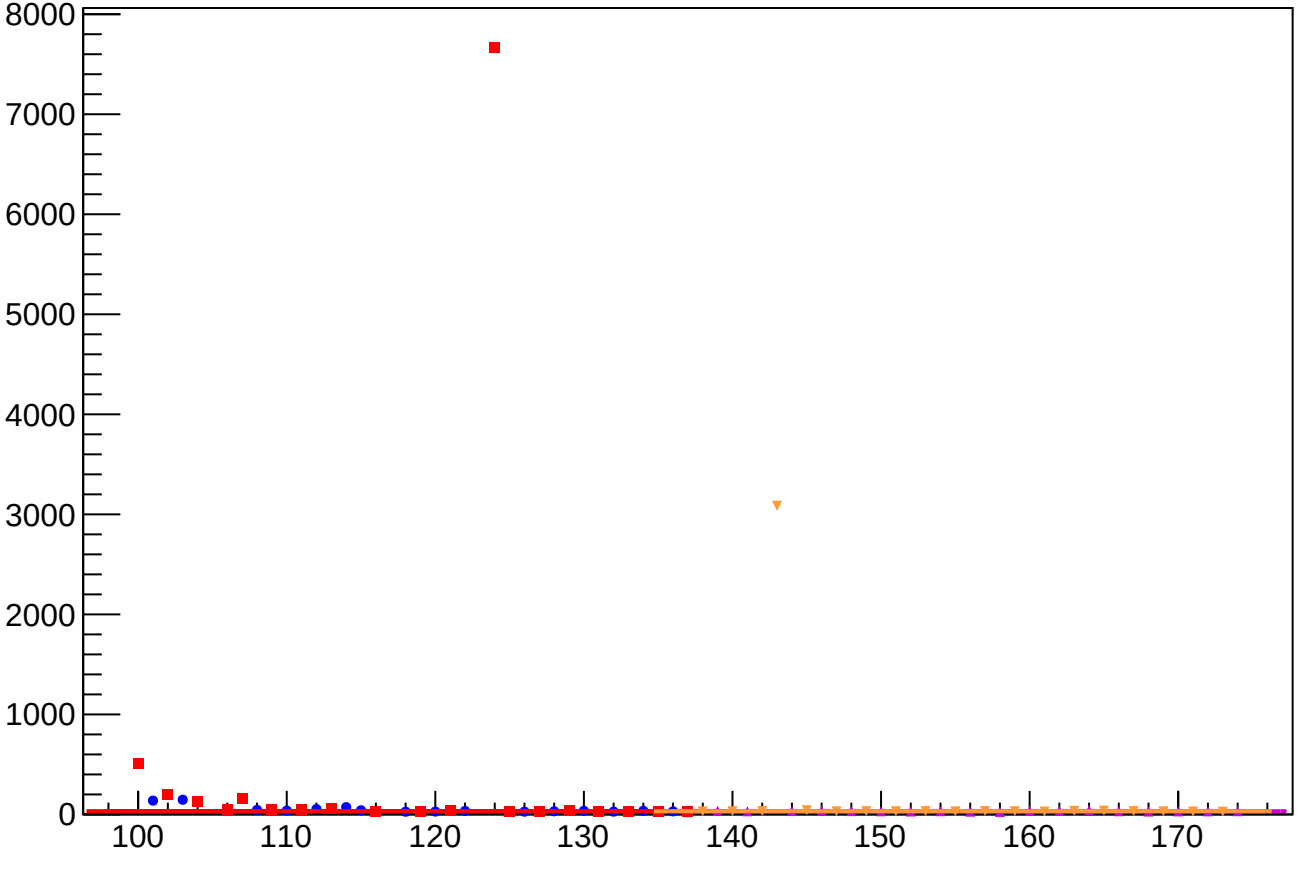
Left In: 0.007+/-0.009 χ^2/NDF:18.0/17

+ sign -0.002+/-0.008 χ^2/NDF: 51.7/34

All: 0.003+/-0.005 χ^2/NDF: 84.8/71

- 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: 31.806+/-0.006 χ^2/NDF:1814701.7/18

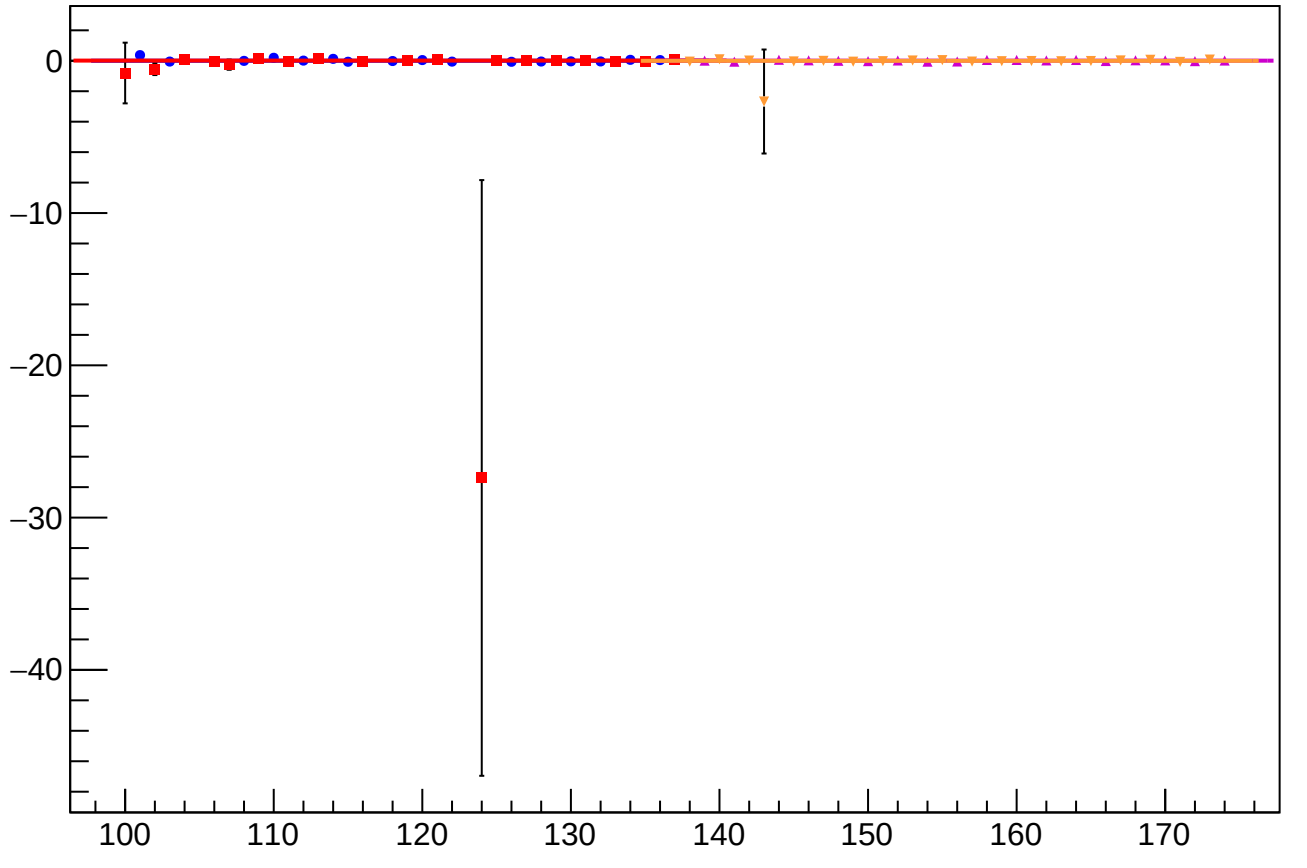
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.265+/-0.006 χ^2/NDF:268147.4/17

\+ sign 32.432+/-0.006 χ^2/NDF: 3565512.2/34

All: 32.460+/-0.004 χ^2/NDF: 5913230.8/71

\- 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:30.6/18

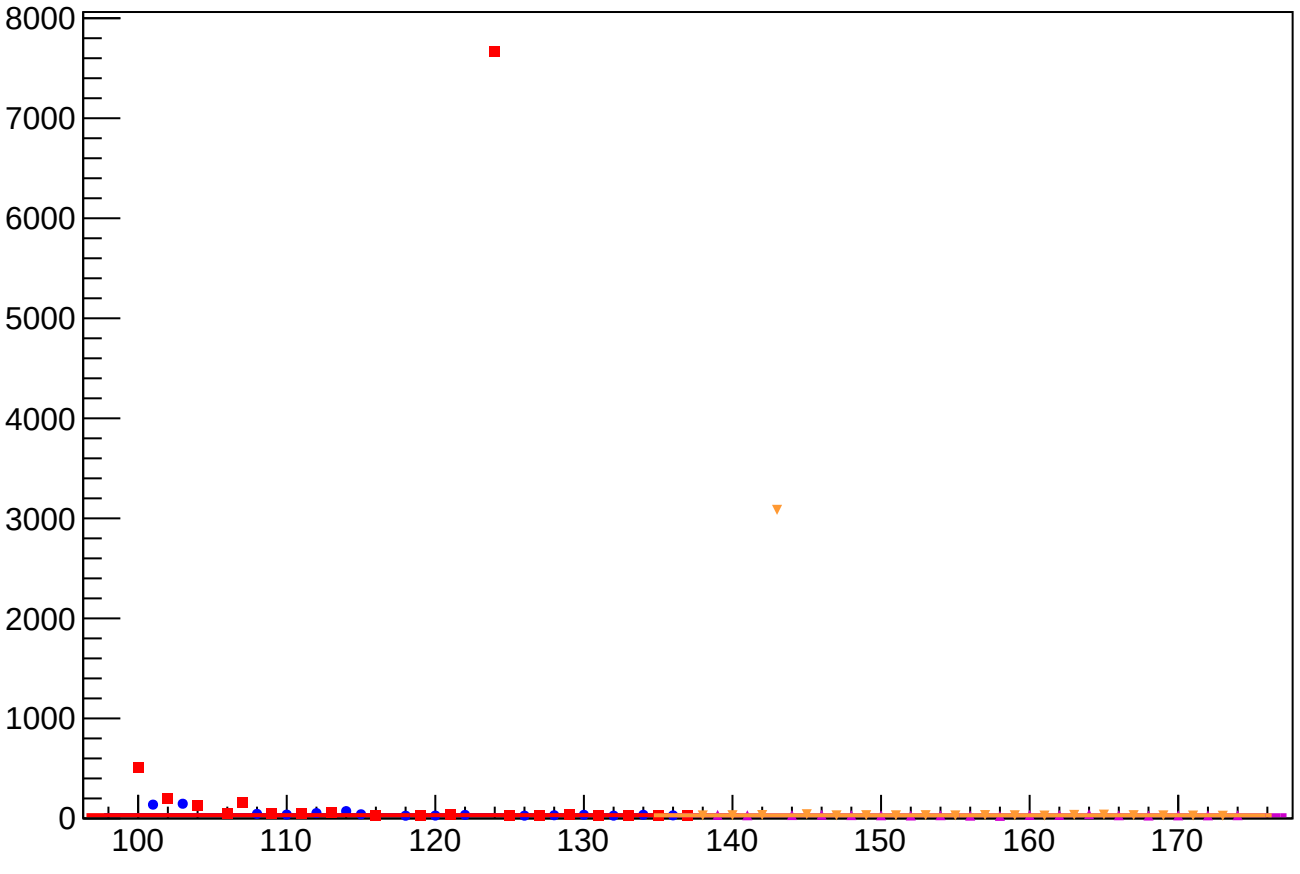
Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.009 χ^2/NDF:18.0/17

+ sign -0.002+/-0.008 χ^2/NDF: 51.7/34

All: 0.003+/-0.005 χ^2/NDF: 84.8/71

- sign 0.008+/-0.008 χ^2/NDF: 32.3/36



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.806+/-0.006 χ^2/NDF:1814701.7/18

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

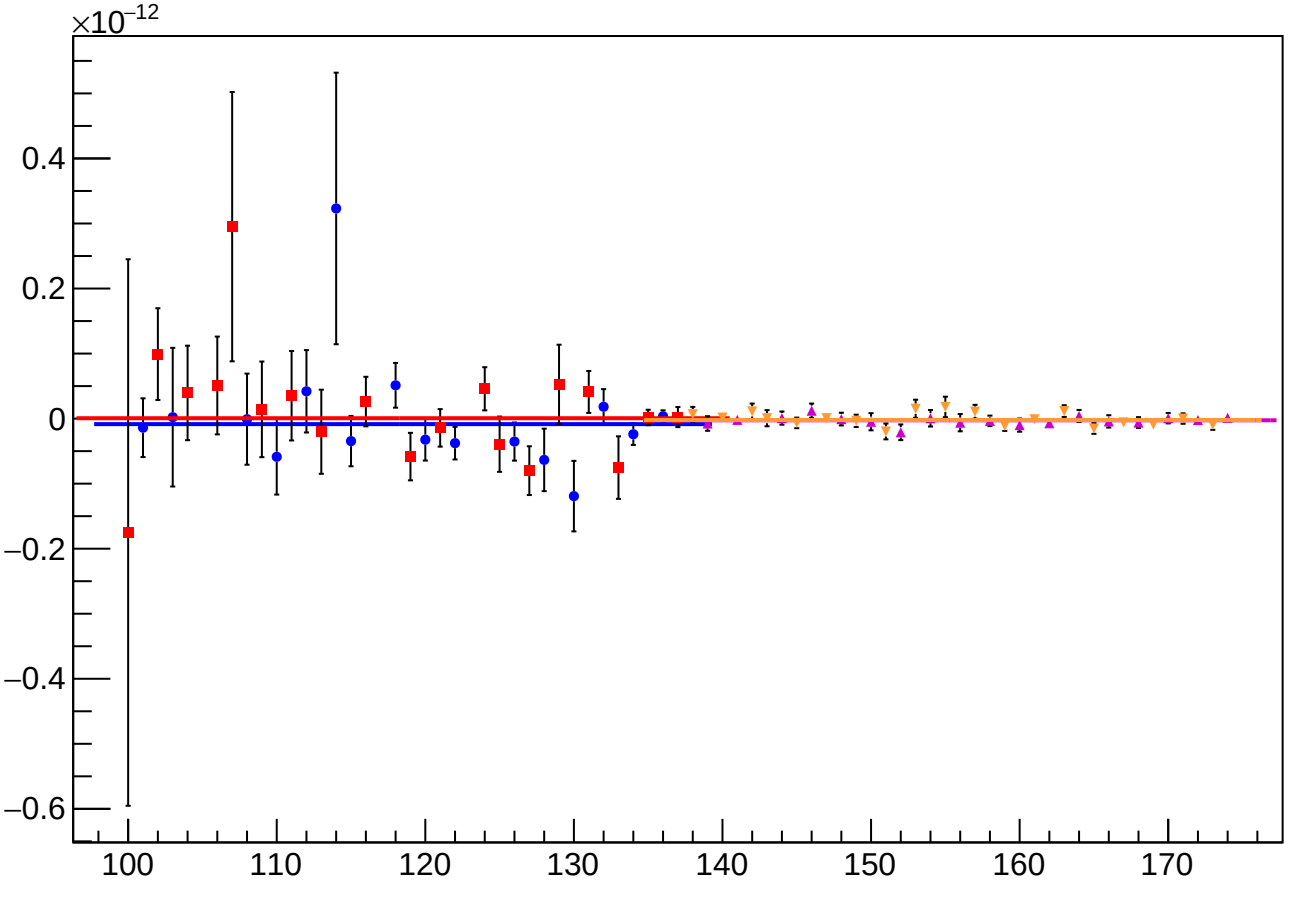
Left In: 32.265+/-0.006 χ^2/NDF:268147.4/17

+ sign 32.432+/-0.006 χ^2/NDF: 3565512.2/34

All: 32.460+/-0.004 χ^2/NDF: 5913230.8/71

- sign 32.488+/-0.005 χ^2/NDF: 2347665.6/36

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/18

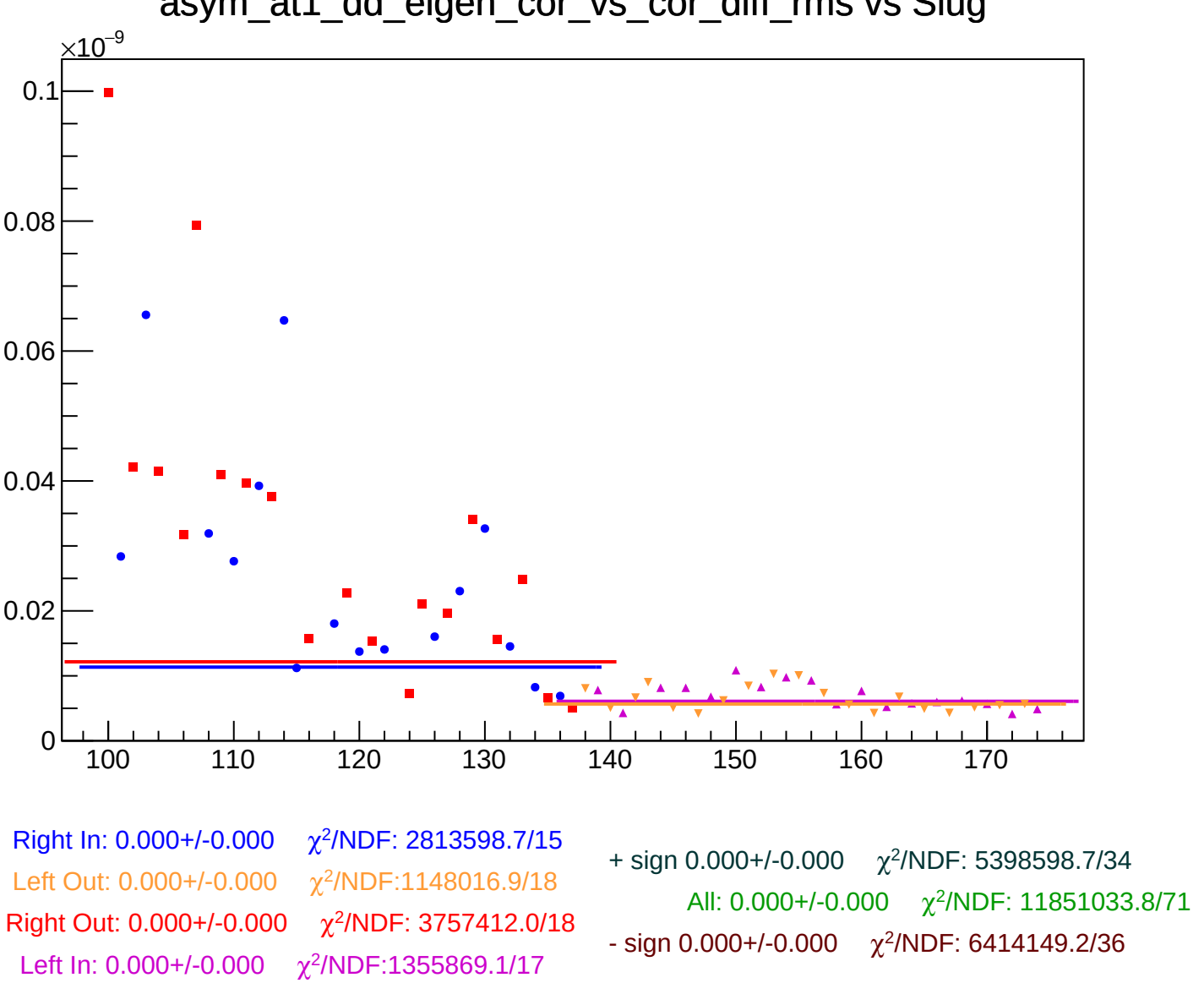
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.9/17

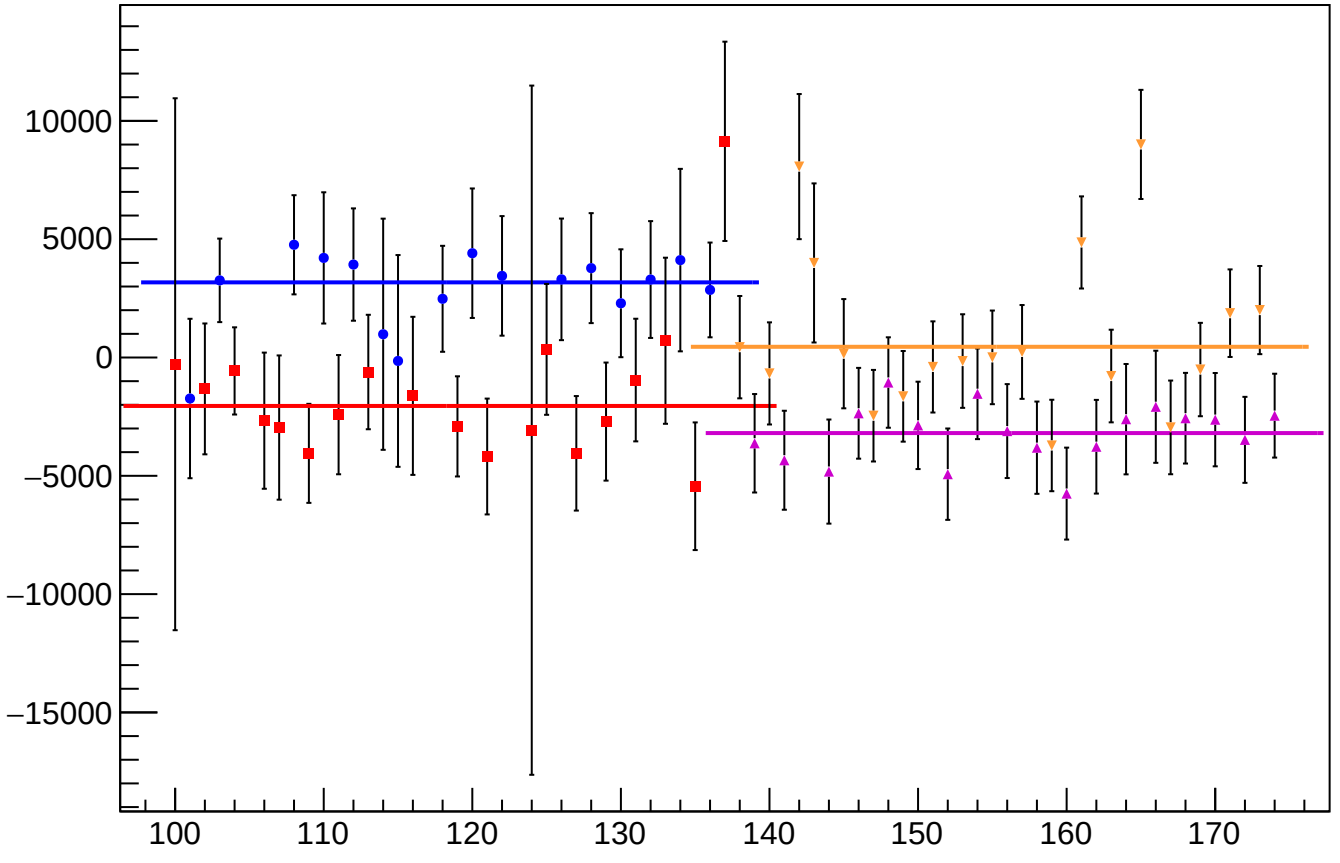
+ sign -0.000+/-0.000 χ^2/NDF: 37.8/34

All: -0.000+/-0.000 χ^2/NDF: 65.6/71

- sign -0.000+/-0.000 χ^2/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:1148016.9/18
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: 5398598.7/34
All: 0.000+/-0.000 χ²/NDF: 11851033.8/71
- sign 0.000+/-0.000 χ²/NDF: 6414149.2/36

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 452.912+/-473.601 χ^2/NDF:39.8/18

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

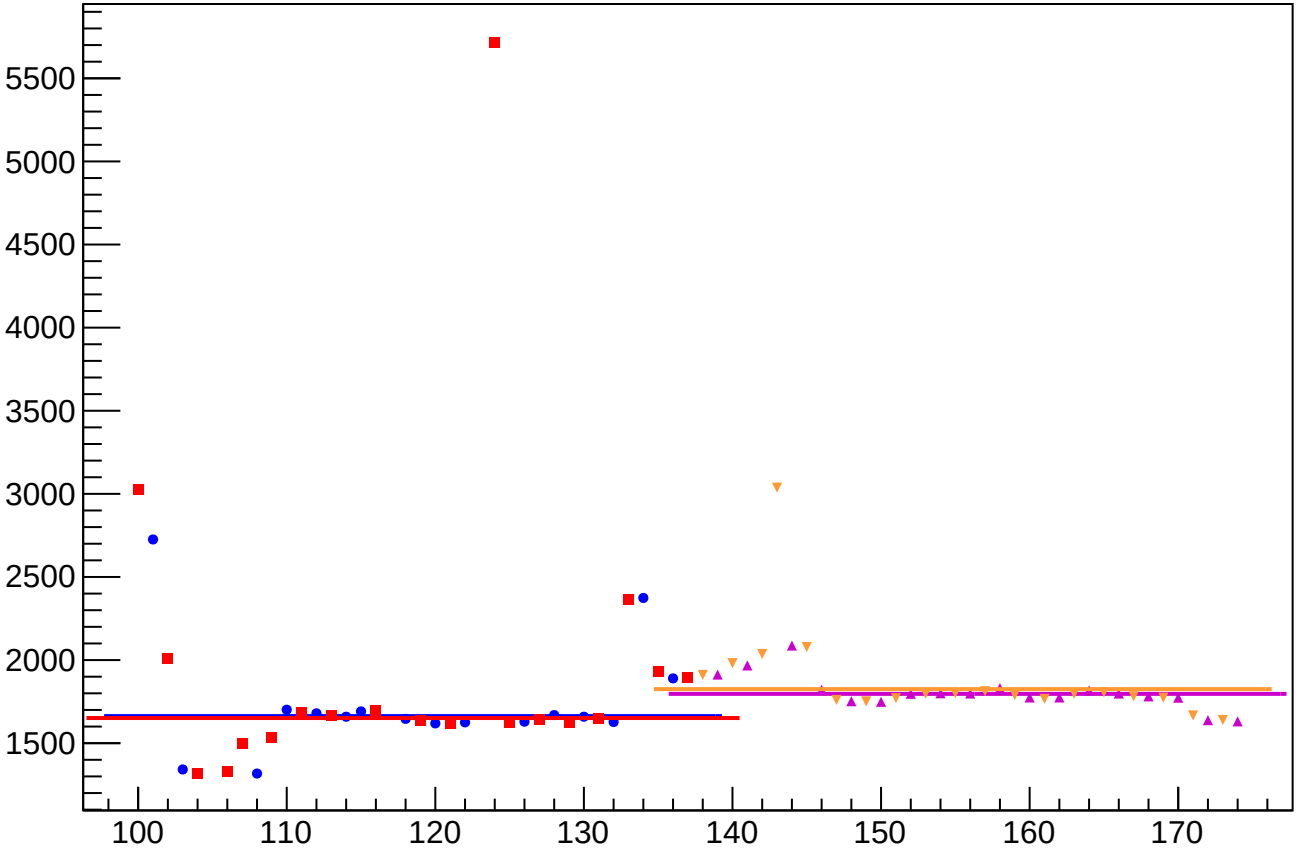
Left In: -3193.643+/-466.485 χ^2/NDF:6.5/17

+ sign 1440.016+/-378.126 χ^2/NDF: 56.1/34

All: -698.614+/-265.575 χ^2/NDF: 142.0/71

- 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: 1825.265+/-0.335 χ^2/NDF:354666.1/18

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

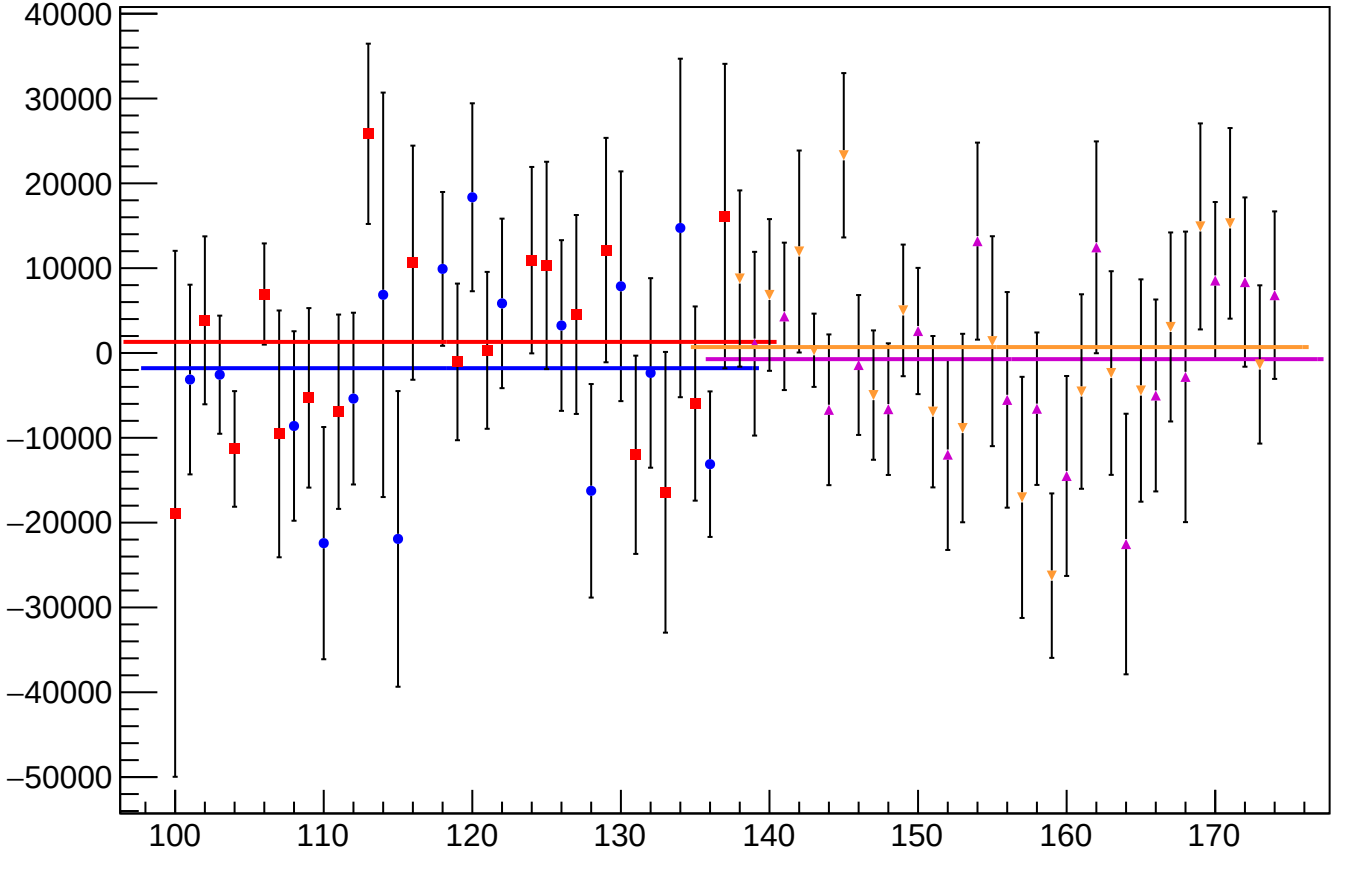
Left In: 1796.675+/-0.330 χ^2/NDF:91527.4/17

+ sign 1766.401+/-0.267 χ^2/NDF: 855518.0/34

All: 1755.200+/-0.188 χ^2/NDF: 1452448.1/71

- sign 1744.296+/-0.264 χ^2/NDF: 593466.9/36

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 696.868+/-2111.555 χ^2/NDF:22.6/18

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

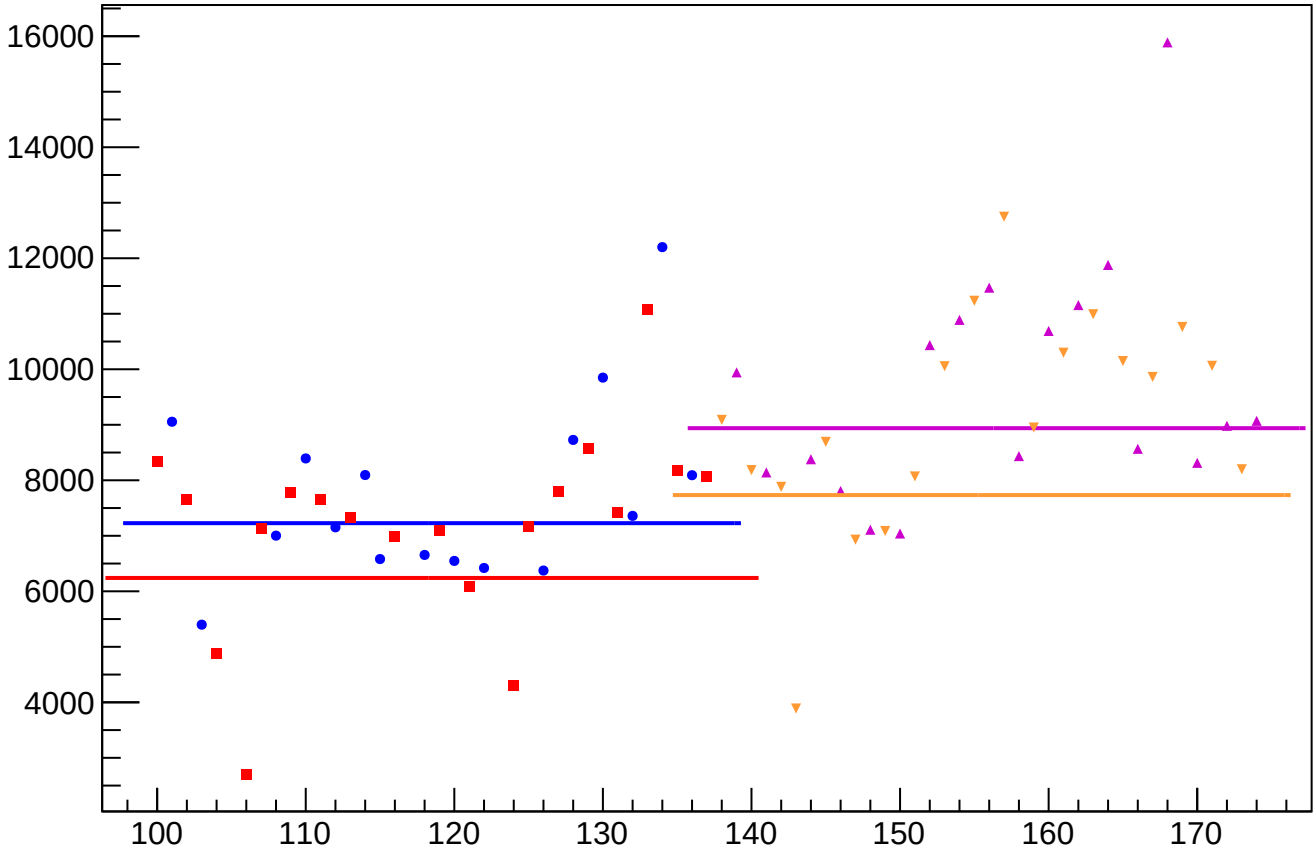
Left In: -726.278+/-2365.369 χ^2/NDF:11.7/17

+ sign -228.596+/-1673.351 χ^2/NDF: 37.5/34

All: 13.848+/-1190.811 χ^2/NDF: 67.3/71

- 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: 7733.371+/-1.493 χ^2/NDF:2814727.0/18

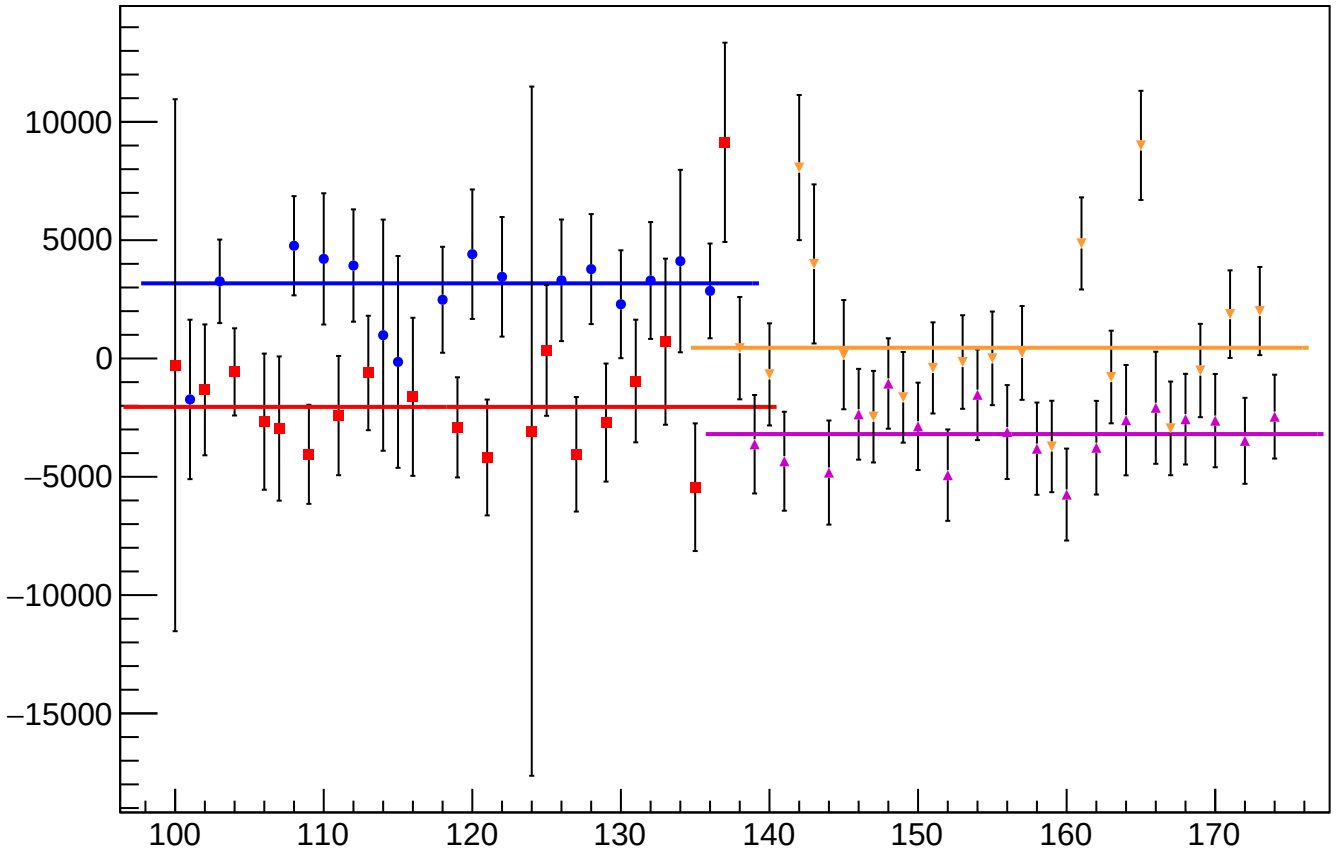
Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8938.869+/-1.673 χ^2/NDF:1019801.8/17

+ sign 7545.228+/-1.183 χ^2/NDF: 3360673.0/34

All: 7585.149+/-0.842 χ^2/NDF: 7048079.8/71

- 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: 452.820+/-473.601 χ^2/NDF:39.8/18

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

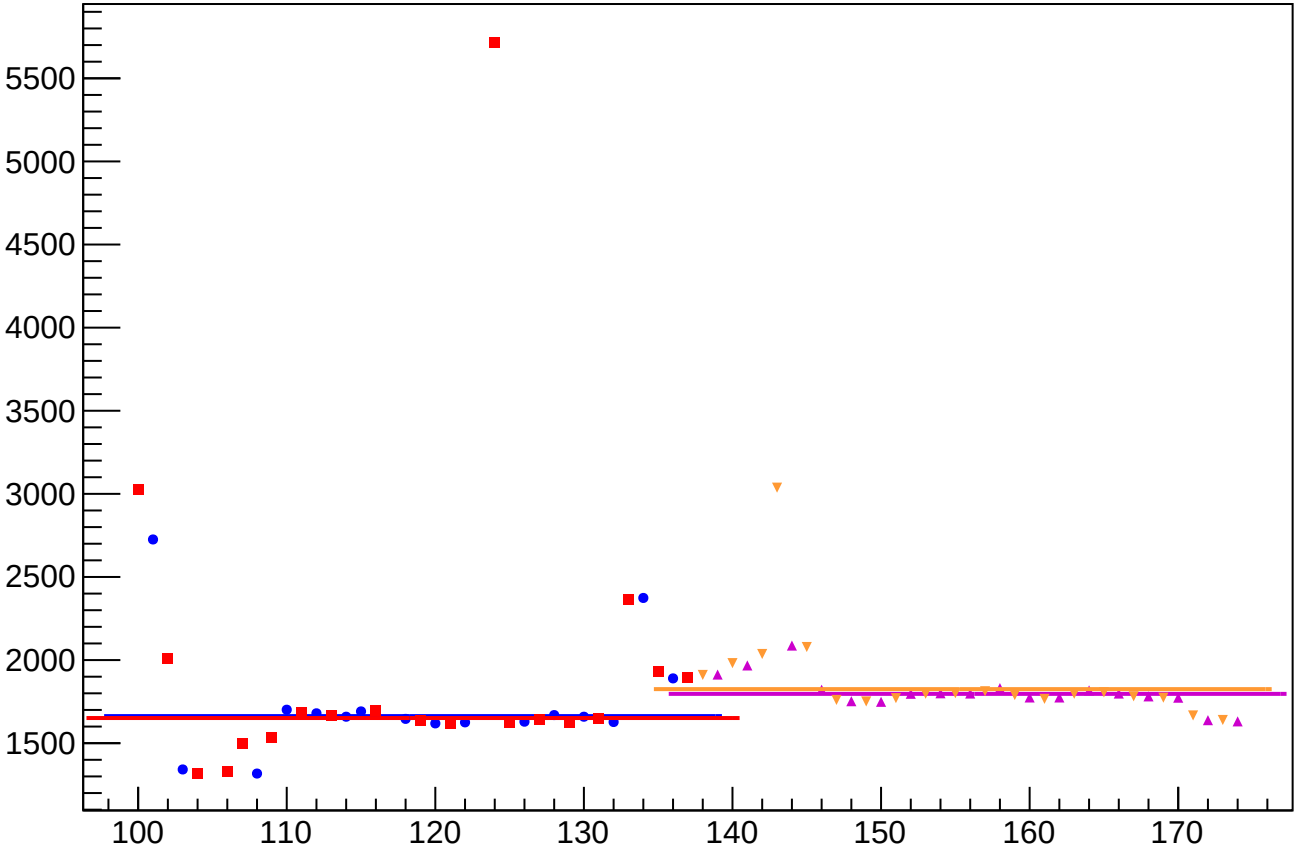
Left In: -3193.594+/-466.485 χ^2/NDF:6.5/17

+ sign 1439.990+/-378.126 χ^2/NDF: 56.1/34

All: -698.576+/-265.575 χ^2/NDF: 142.0/71

- 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: 1825.265+/-0.335 χ^2/NDF:354666.1/18

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

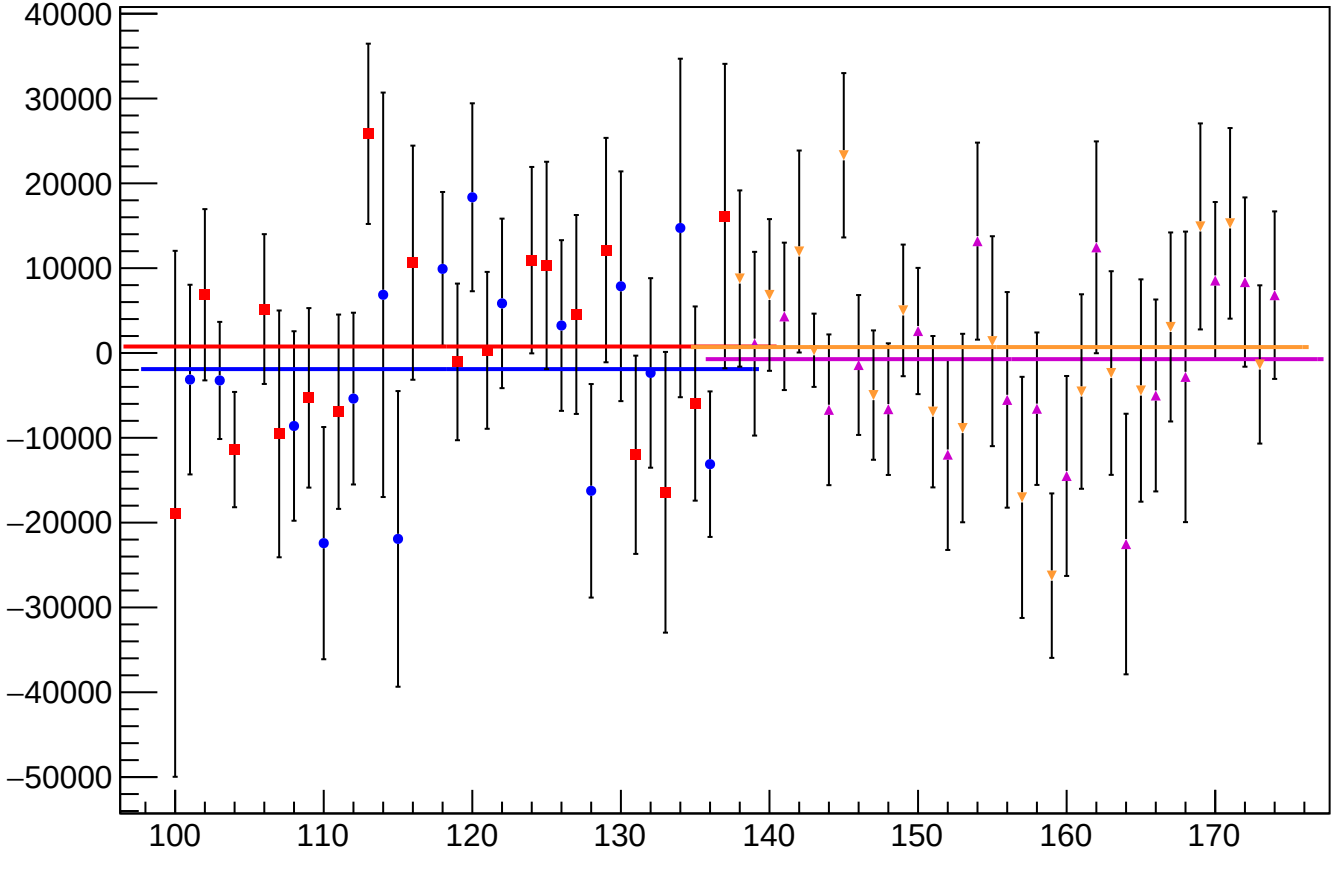
Left In: 1796.675+/-0.330 χ^2/NDF:91527.4/17

+ sign 1766.400+/-0.267 χ^2/NDF: 855518.5/34

All: 1755.200+/-0.188 χ^2/NDF: 1452448.8/71

- 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: 696.789+/-2111.549 χ^2/NDF:22.6/18

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

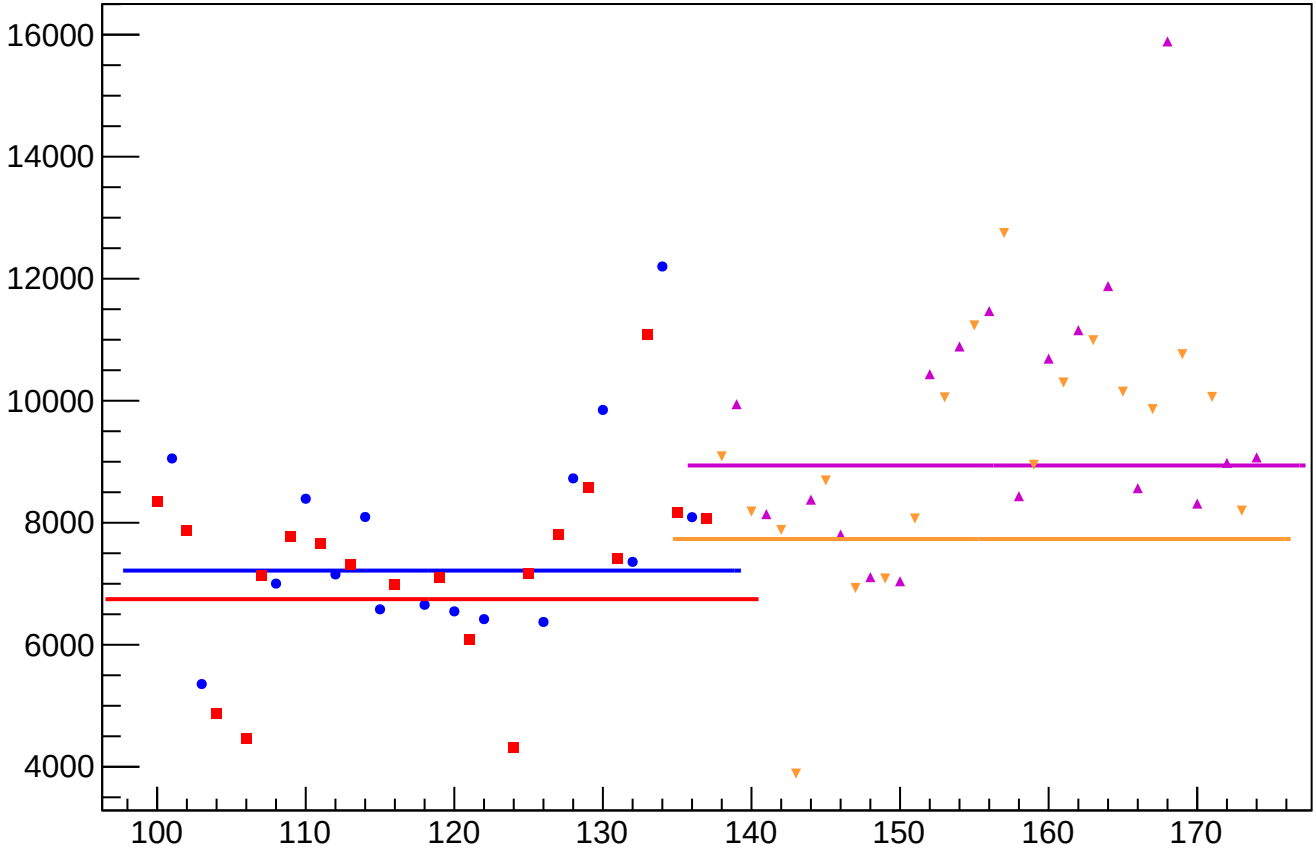
Left In: -726.341+/-2365.368 χ^2/NDF:11.7/17

+ sign -270.846+/-1672.516 χ^2/NDF: 37.5/34

All: -158.511+/-1203.848 χ^2/NDF: 66.7/71

- 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: 7733.339+/-1.493 χ^2/NDF:2814791.7/18

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

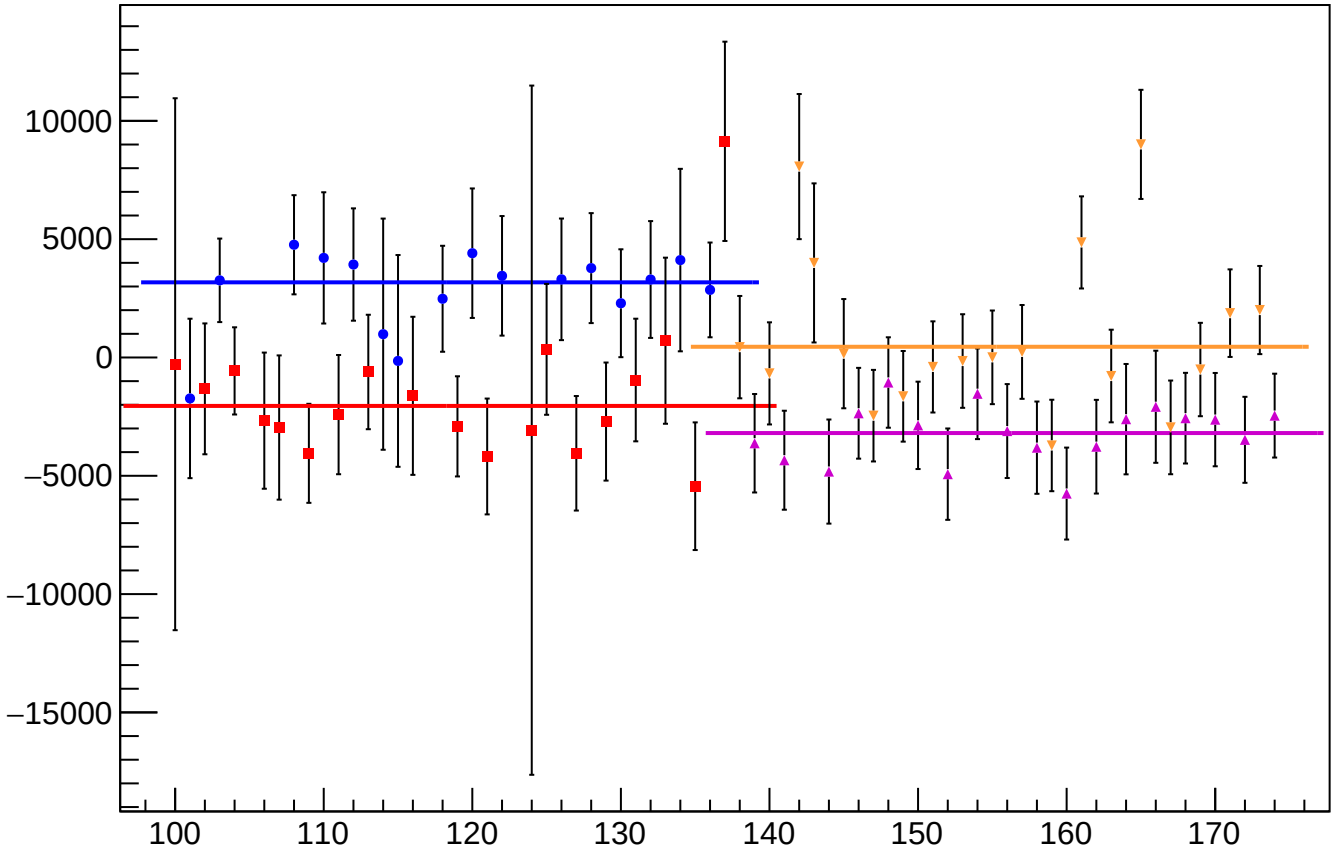
Left In: 8938.864+/-1.673 χ^2/NDF:1019806.9/17

\+ sign 7540.585+/-1.183 χ^2/NDF: 3371646.5/34

All: 7726.063+/-0.851 χ^2/NDF: 5945031.3/71

\- 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: 452.820+/-473.601 χ^2/NDF:39.8/18

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

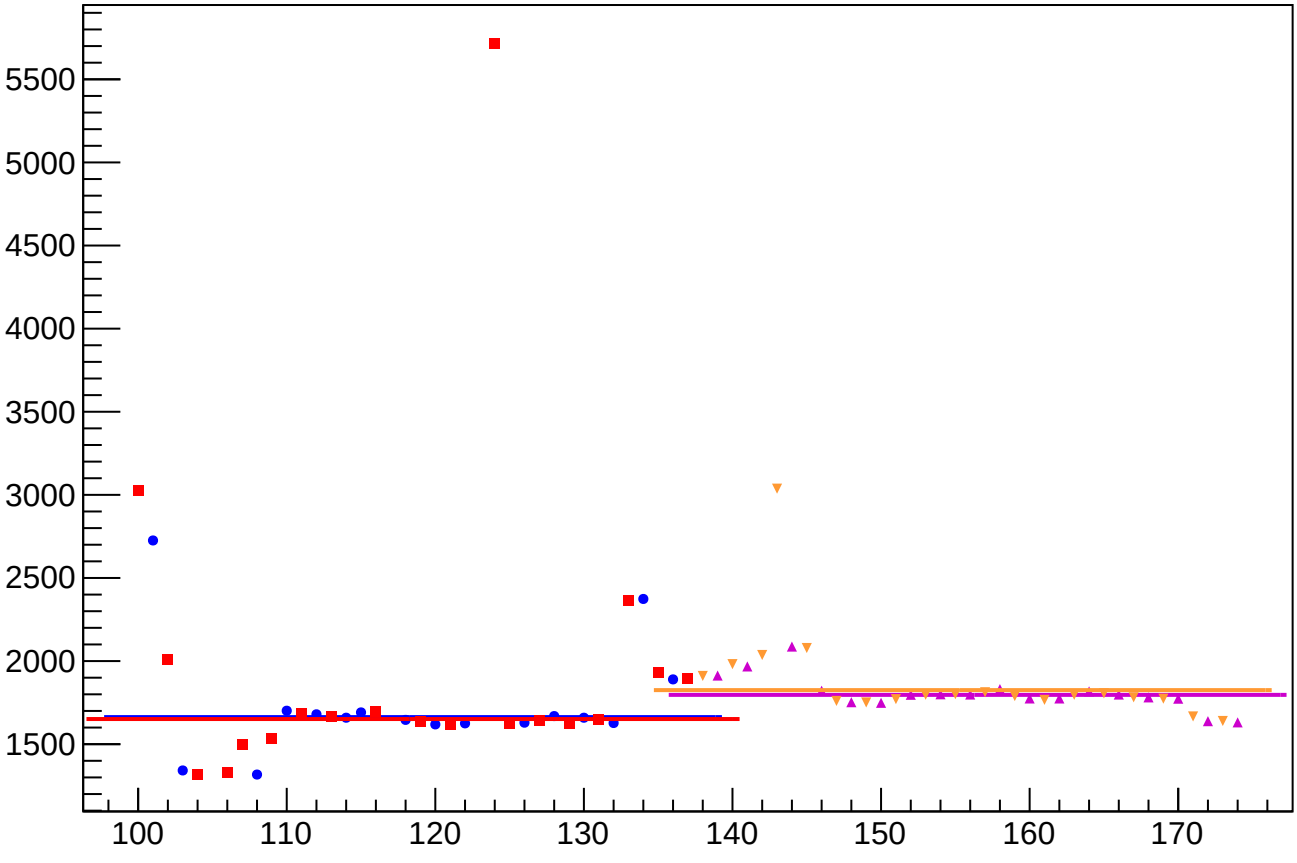
Left In: -3193.594+/-466.485 χ^2/NDF:6.5/17

+ sign 1439.990+/-378.126 χ^2/NDF: 56.1/34

All: -698.576+/-265.575 χ^2/NDF: 142.0/71

- 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: 1825.265+/-0.335 χ^2/NDF:354666.1/18

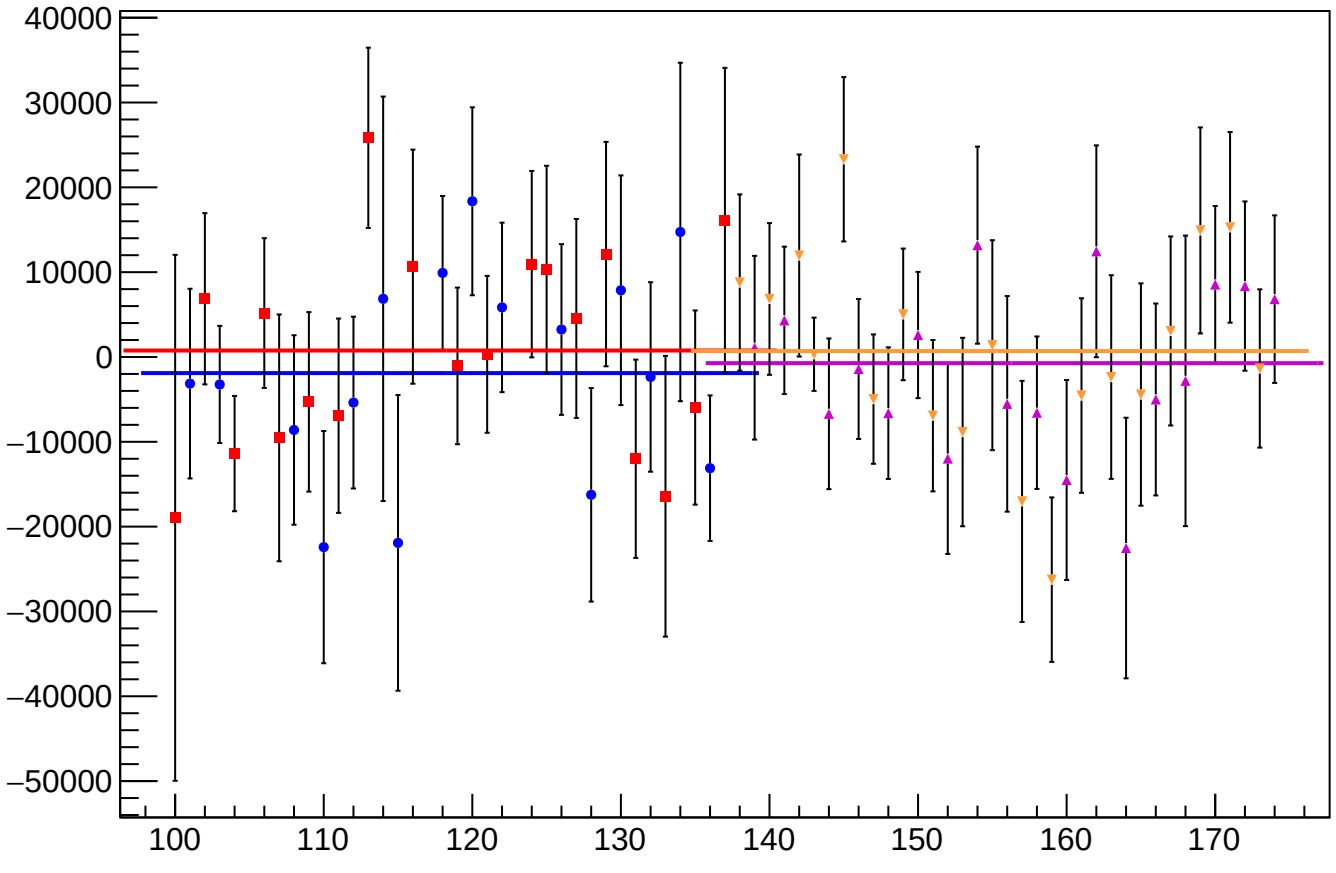
Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1796.675+/-0.330 χ^2/NDF:91527.4/17

+ sign 1766.400+/-0.267 χ^2/NDF: 855518.5/34

All: 1755.200+/-0.188 χ^2/NDF: 1452448.8/71

- sign 1744.296+/-0.264 χ^2/NDF: 593467.1/36



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 696.789+/-2111.549 χ^2/NDF:22.6/18

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

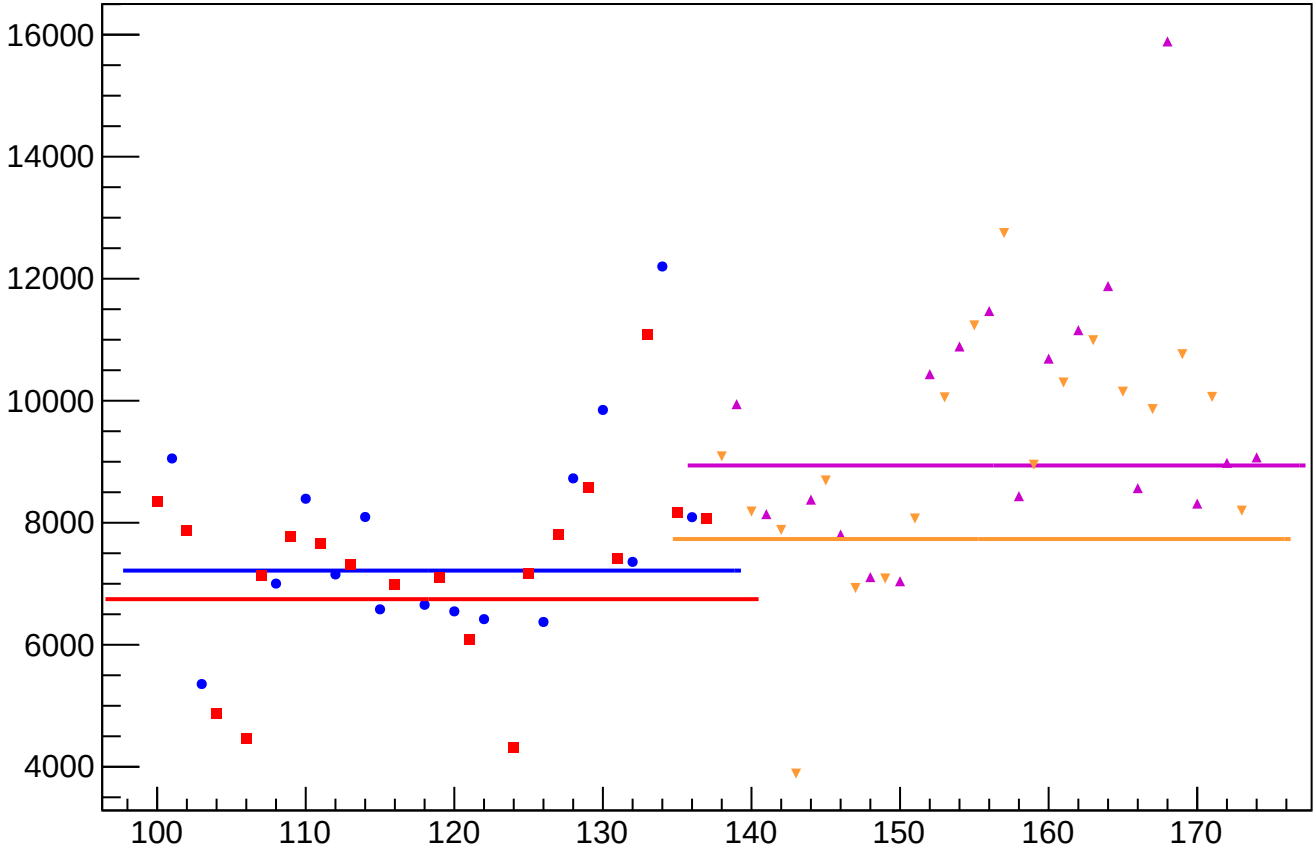
Left In: -726.341+/-2365.368 χ^2/NDF:11.7/17

\+ sign -270.846+/-1672.516 χ^2/NDF: 37.5/34

All: -158.511+/-1203.848 χ^2/NDF: 66.7/71

\- sign -37.743+/-1734.152 χ^2/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: 7733.339+/-1.493 χ^2/NDF:2814791.7/18

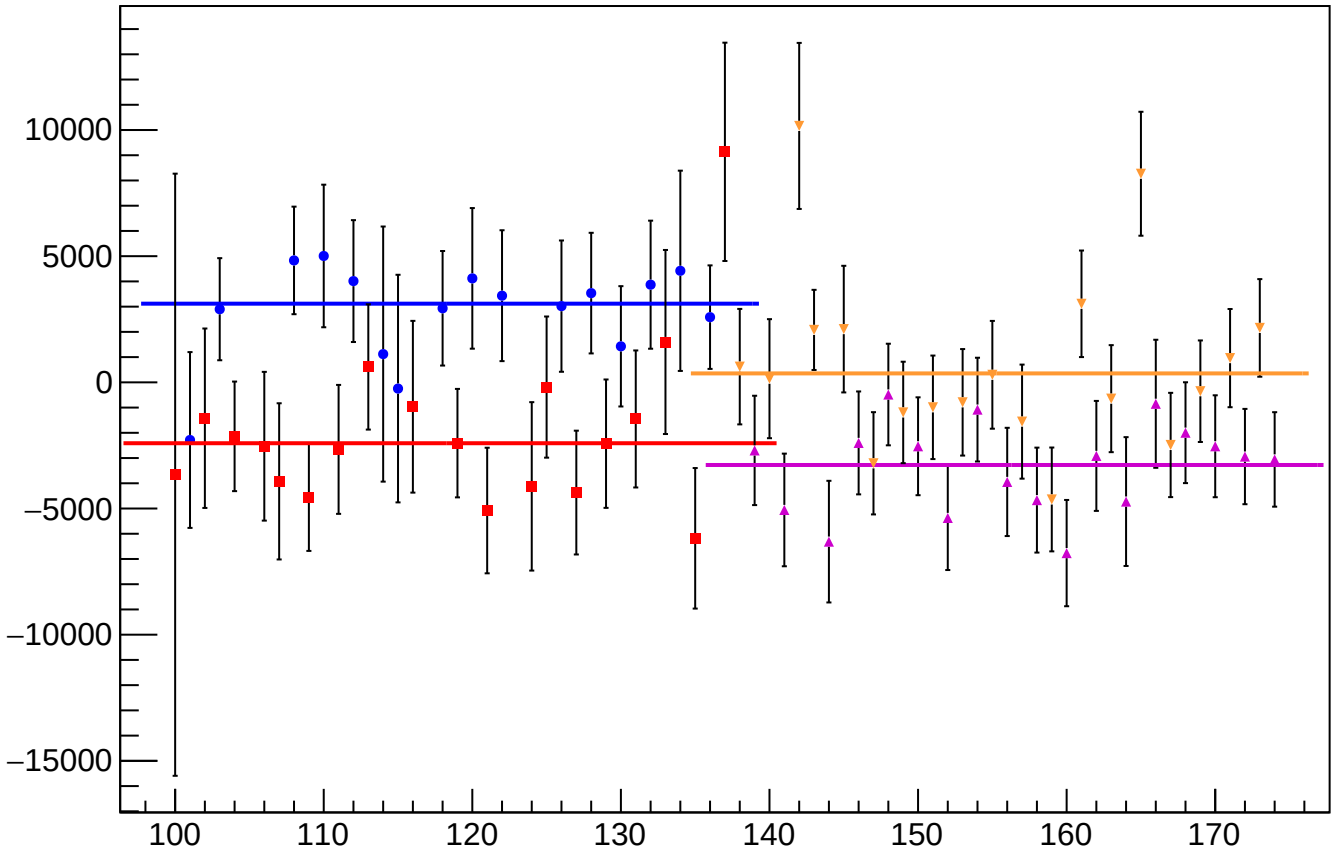
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8938.864+/-1.673 χ^2/NDF:1019806.9/17

\+ sign 7540.585+/-1.183 χ^2/NDF: 3371646.5/34

All: 7726.063+/-0.851 χ^2/NDF: 5945031.3/71

\- 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: 354.329+/-485.165 χ^2/NDF:36.9/18

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

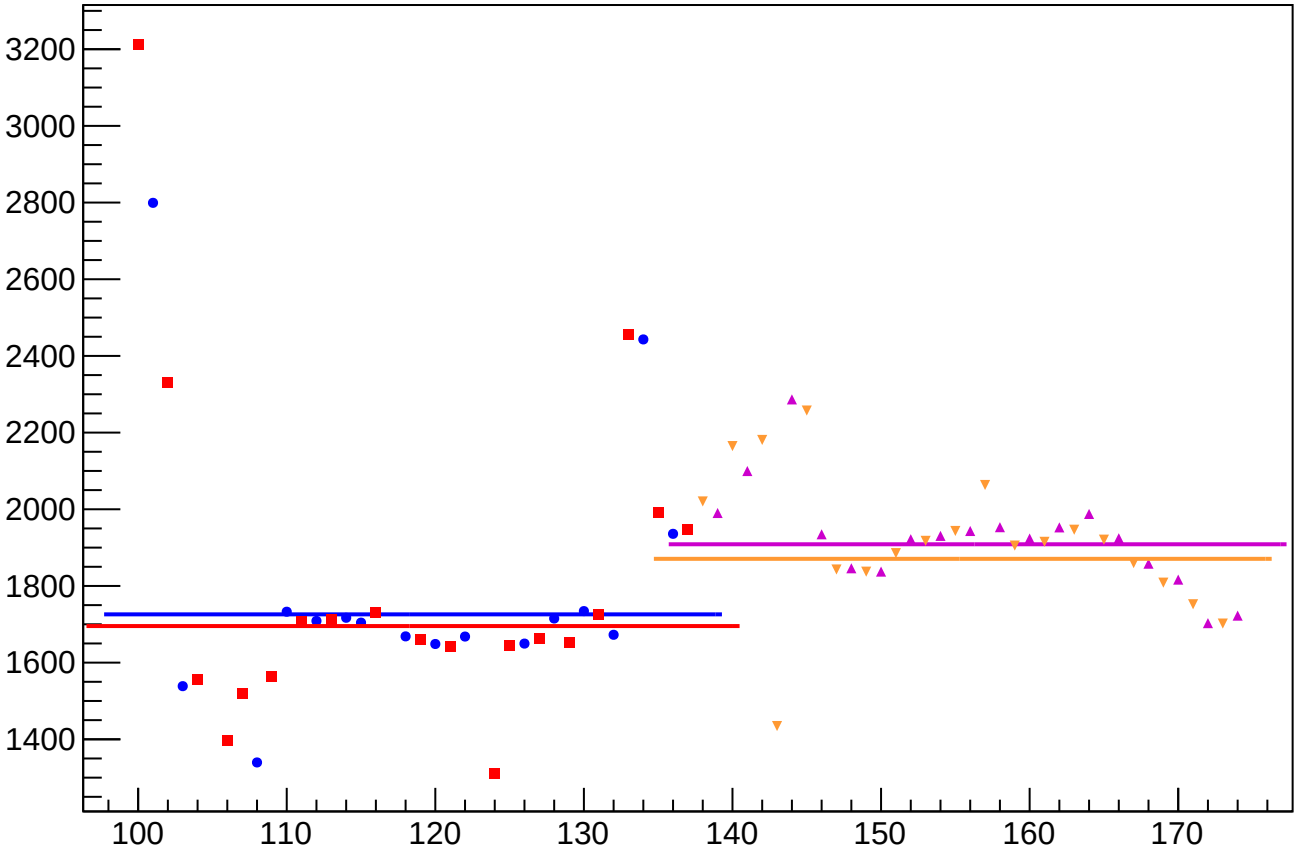
Left In: -3275.049+/-495.996 χ^2/NDF:11.9/17

+ sign 1340.918+/-389.040 χ^2/NDF: 53.8/34

All: -789.652+/-276.070 χ^2/NDF: 143.2/71

- 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: 1870.755+/-0.343 χ^2/NDF:304144.3/18

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

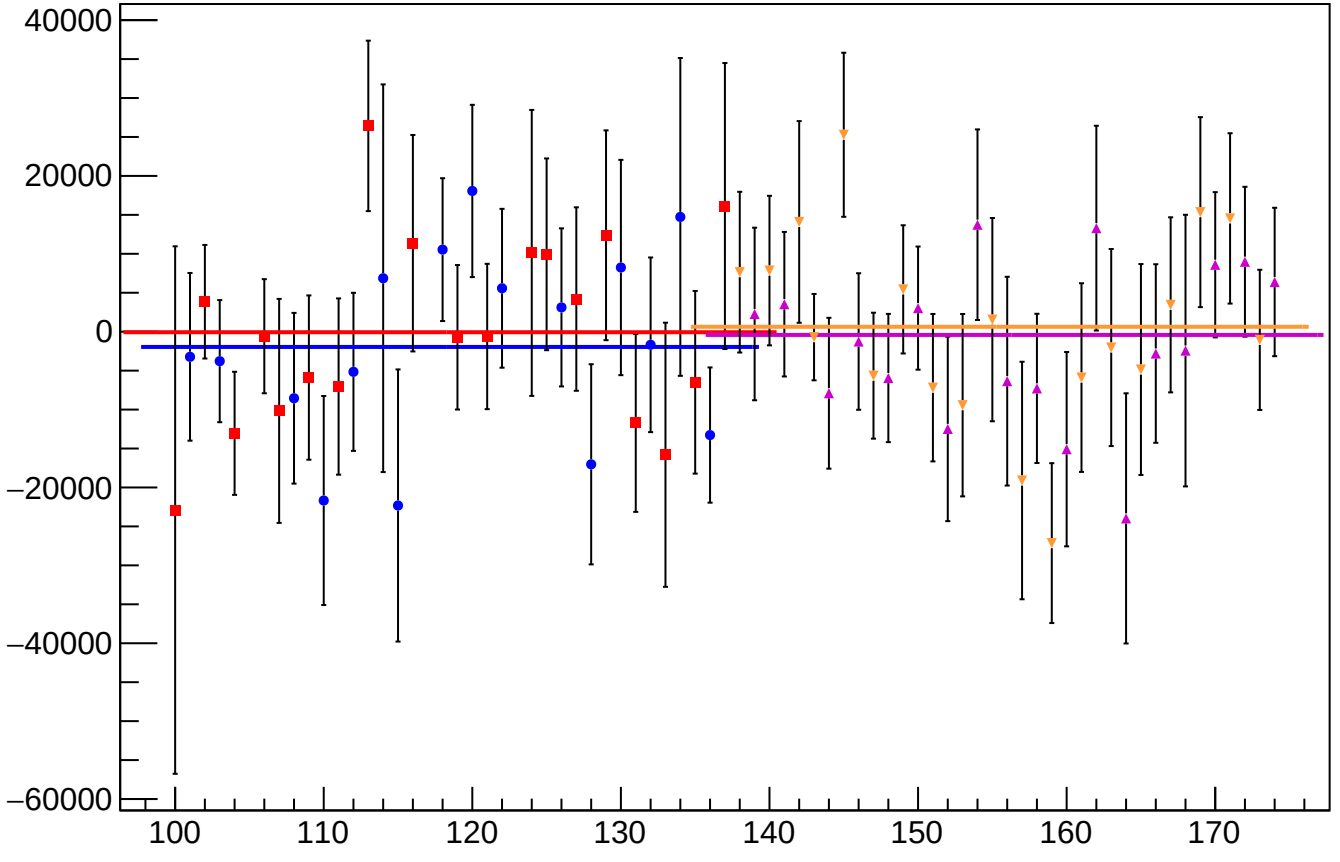
Left In: 1908.722+/-0.351 χ^2/NDF:125215.6/17

+ sign 1819.046+/-0.275 χ^2/NDF: 733422.5/34

All: 1823.730+/-0.195 χ^2/NDF: 1284012.8/71

- 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: 631.345+/-2295.223 χ^2/NDF:22.7/18

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

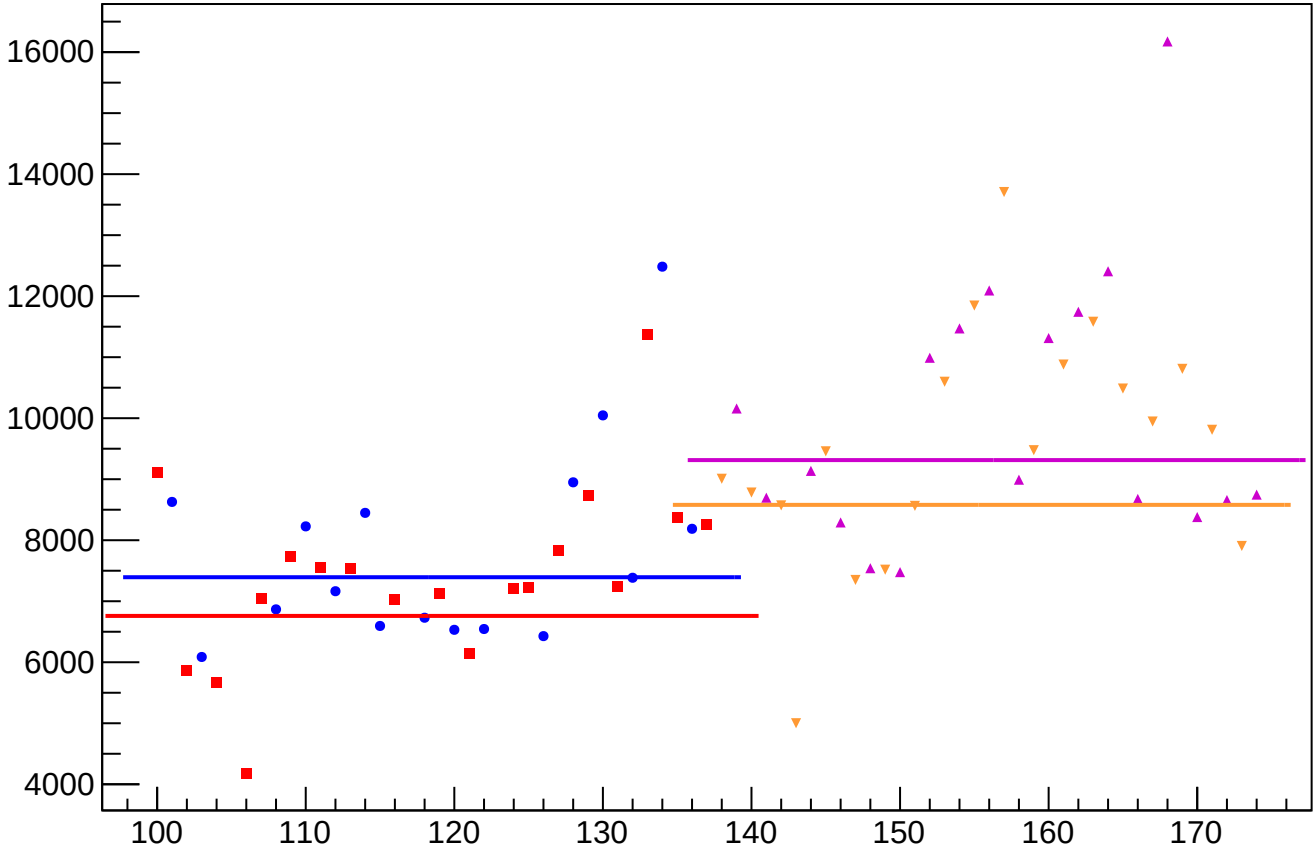
Left In: -416.002+/-2463.373 χ^2/NDF:11.6/17

\+ sign -410.275+/-1774.633 χ^2/NDF: 37.6/34

All: -328.026+/-1251.361 χ^2/NDF: 65.4/71

\- sign -246.687+/-1764.792 χ^2/NDF: 27.8/36

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8579.522+/-1.623 χ^2/NDF:1715052.9/18

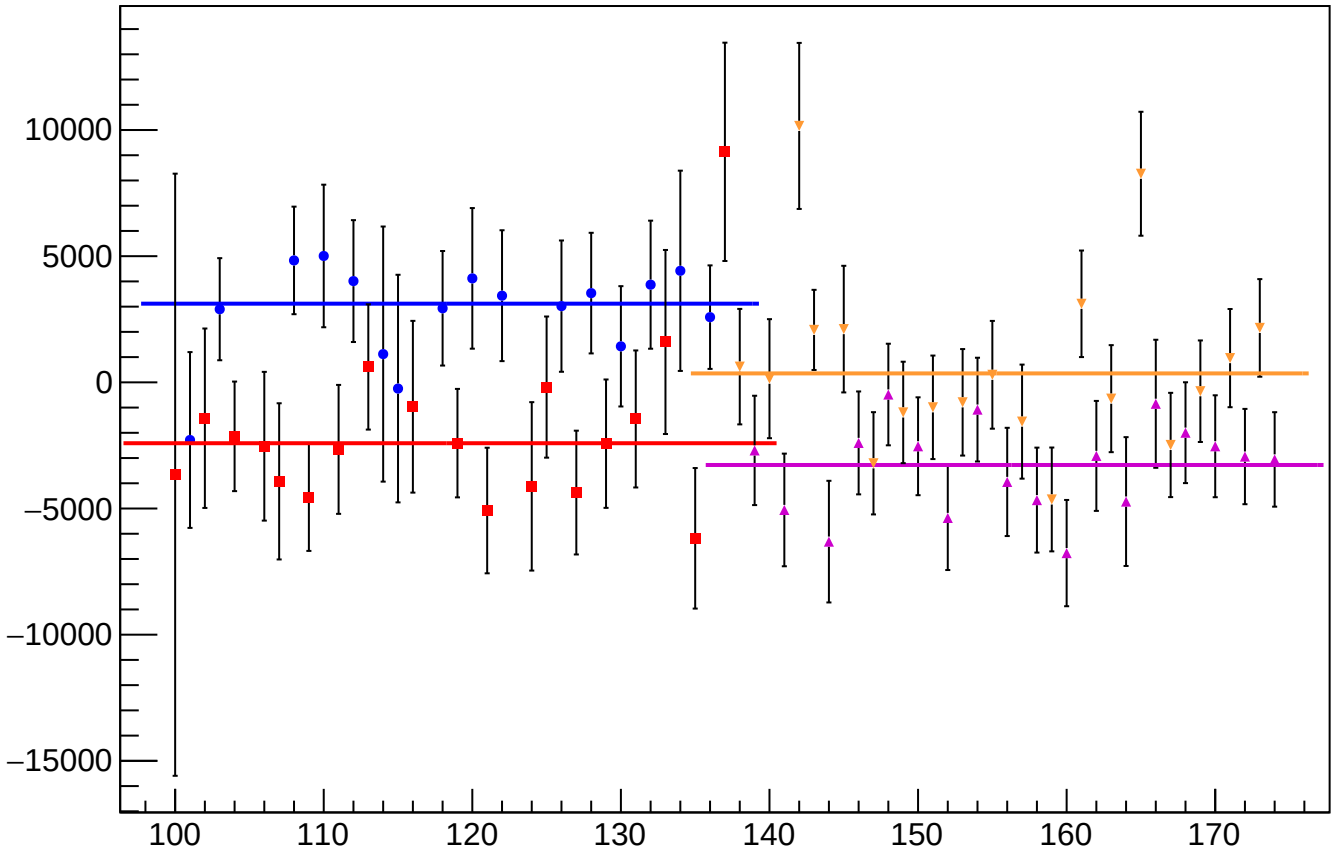
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9313.420+/-1.742 χ^2/NDF:986075.3/17

+ sign 8102.571+/-1.255 χ^2/NDF: 2331614.1/34

All: 8086.324+/-0.885 χ^2/NDF: 5008760.4/71

- sign 8070.257+/-1.248 χ^2/NDF: 2676812.9/36



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 354.321+/-485.165 χ^2/NDF:36.9/18

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

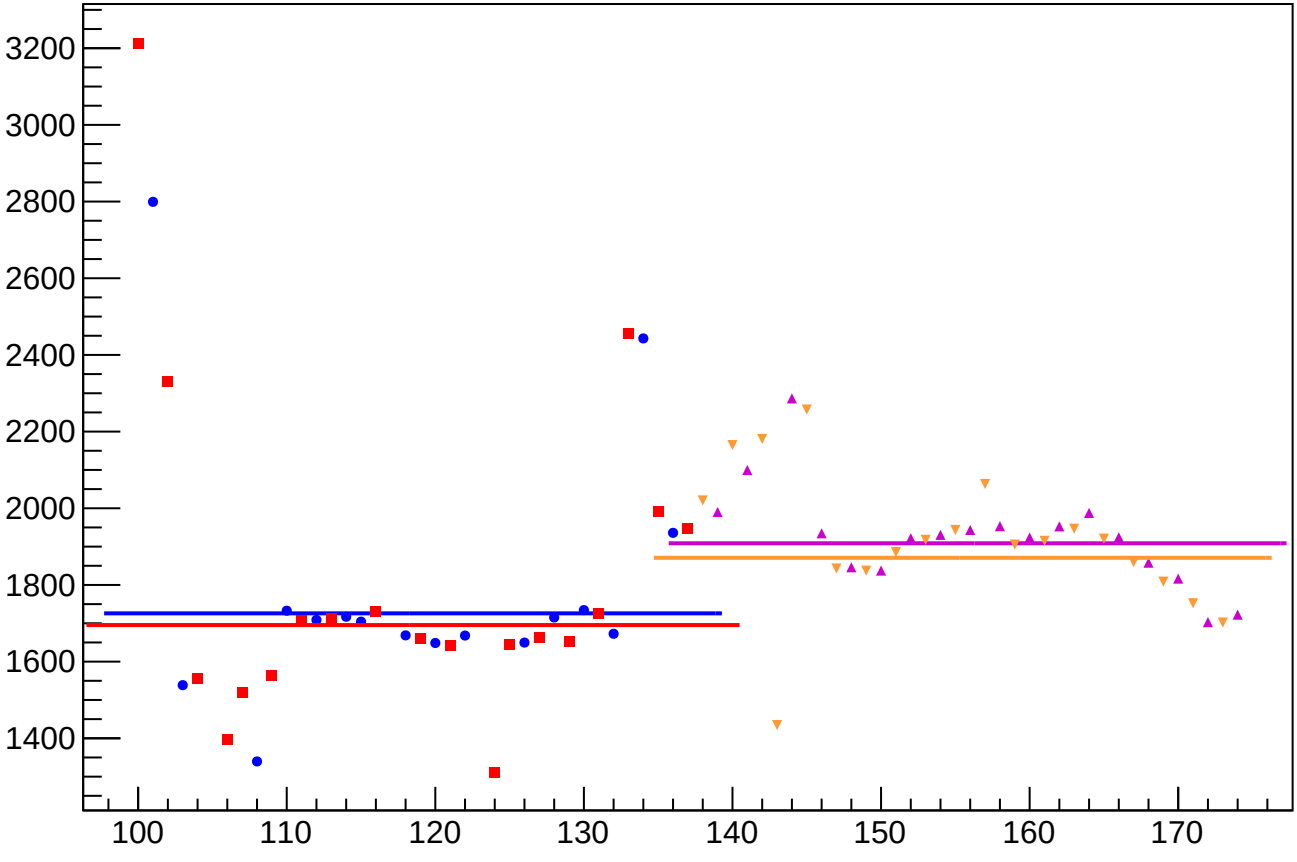
Left In: -3275.049+/-495.997 χ^2/NDF:11.9/17

+ sign 1340.916+/-389.041 χ^2/NDF: 53.8/34

All: -789.654+/-276.070 χ^2/NDF: 143.2/71

- 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: 1870.757+/-0.343 χ^2/NDF:304148.6/18

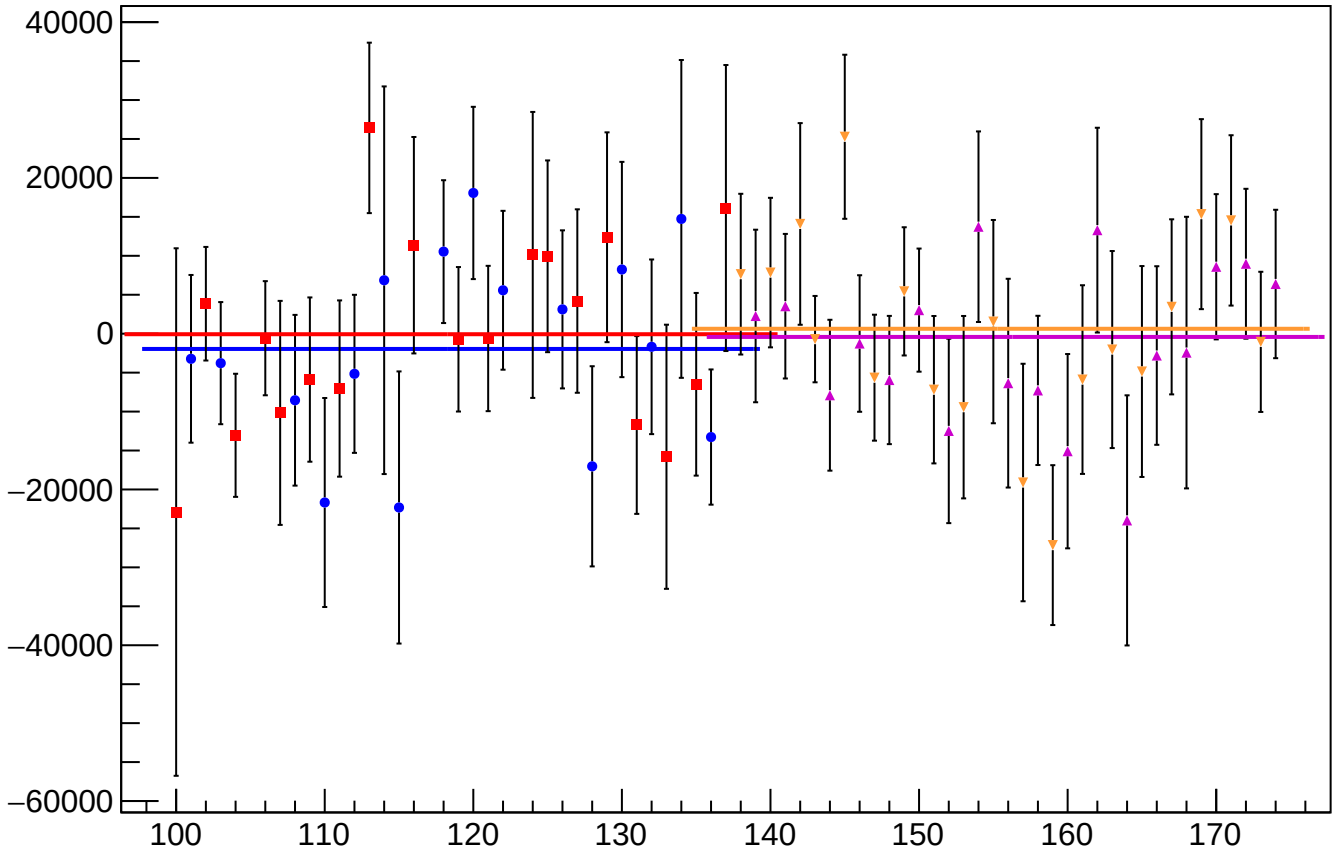
Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1908.725+/-0.351 χ^2/NDF:125220.0/17

+ sign 1819.047+/-0.275 χ^2/NDF: 733428.9/34

All: 1823.731+/-0.195 χ^2/NDF: 1284027.0/71

- sign 1828.481+/-0.277 χ^2/NDF: 550014.2/36



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 631.339+/-2295.227 χ^2/NDF:22.7/18

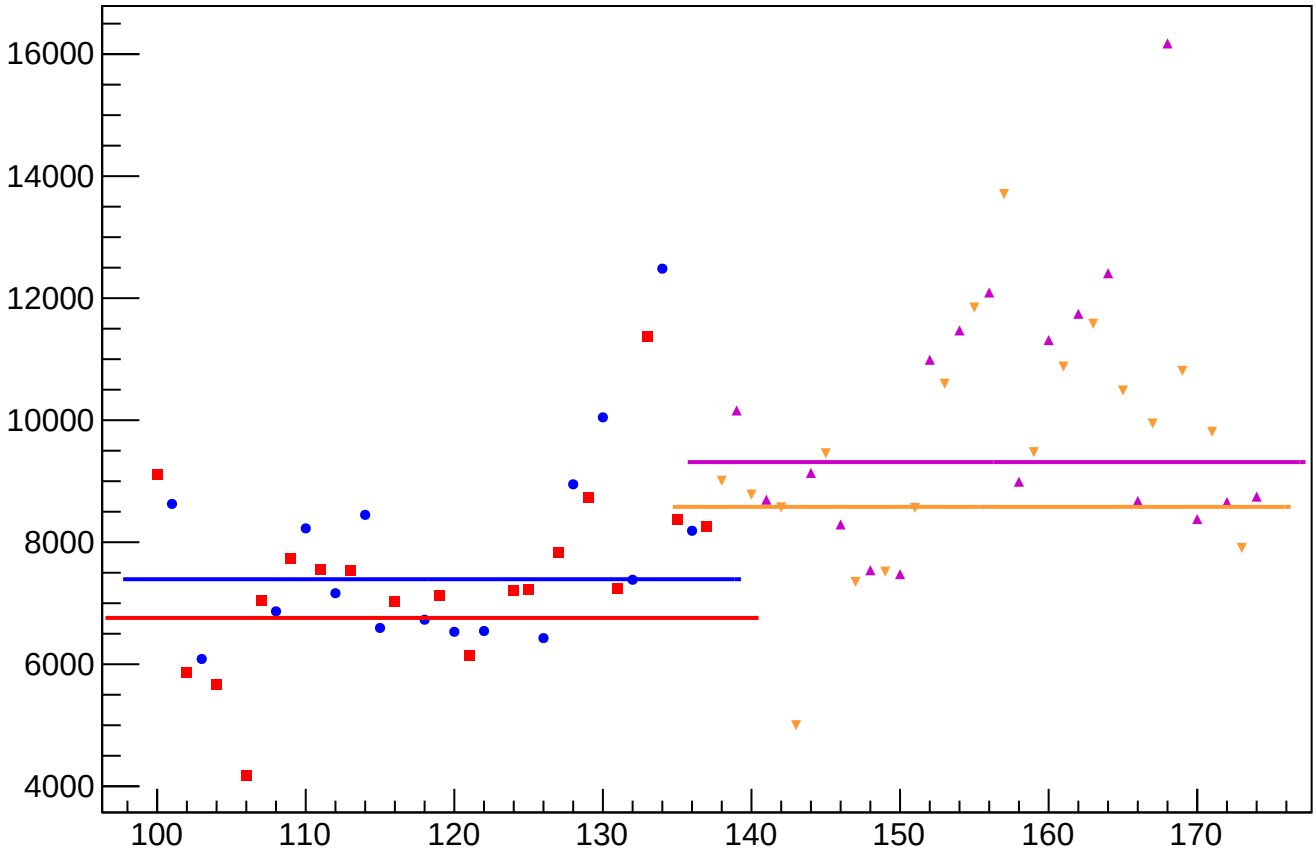
Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: -416.000+/-2463.376 χ^2/NDF:11.6/17

+ sign -410.275+/-1774.633 χ^2/NDF: 37.6/34

All: -328.027+/-1251.361 χ^2/NDF: 65.4/71

- sign -246.689+/-1764.791 χ^2/NDF: 27.8/36



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8579.536+/-1.623 χ^2/NDF:1715052.8/18

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

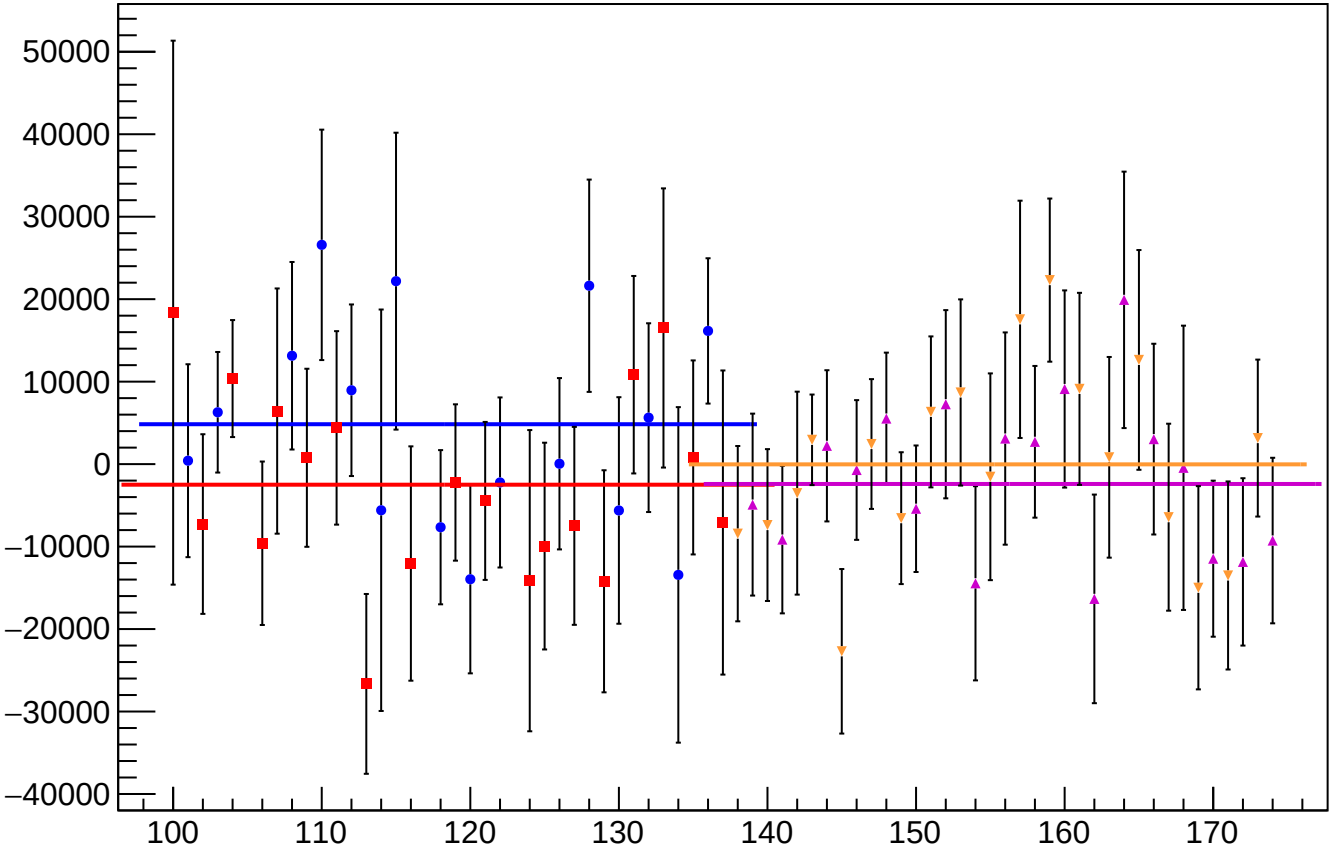
Left In: 9313.433+/-1.742 χ^2/NDF:986077.1/17

+ sign 8102.570+/-1.255 χ^2/NDF: 2331627.9/34

All: 8086.322+/-0.885 χ^2/NDF: 5008798.7/71

- 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: -28.488+/-2256.829 χ^2/NDF:20.1/18

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

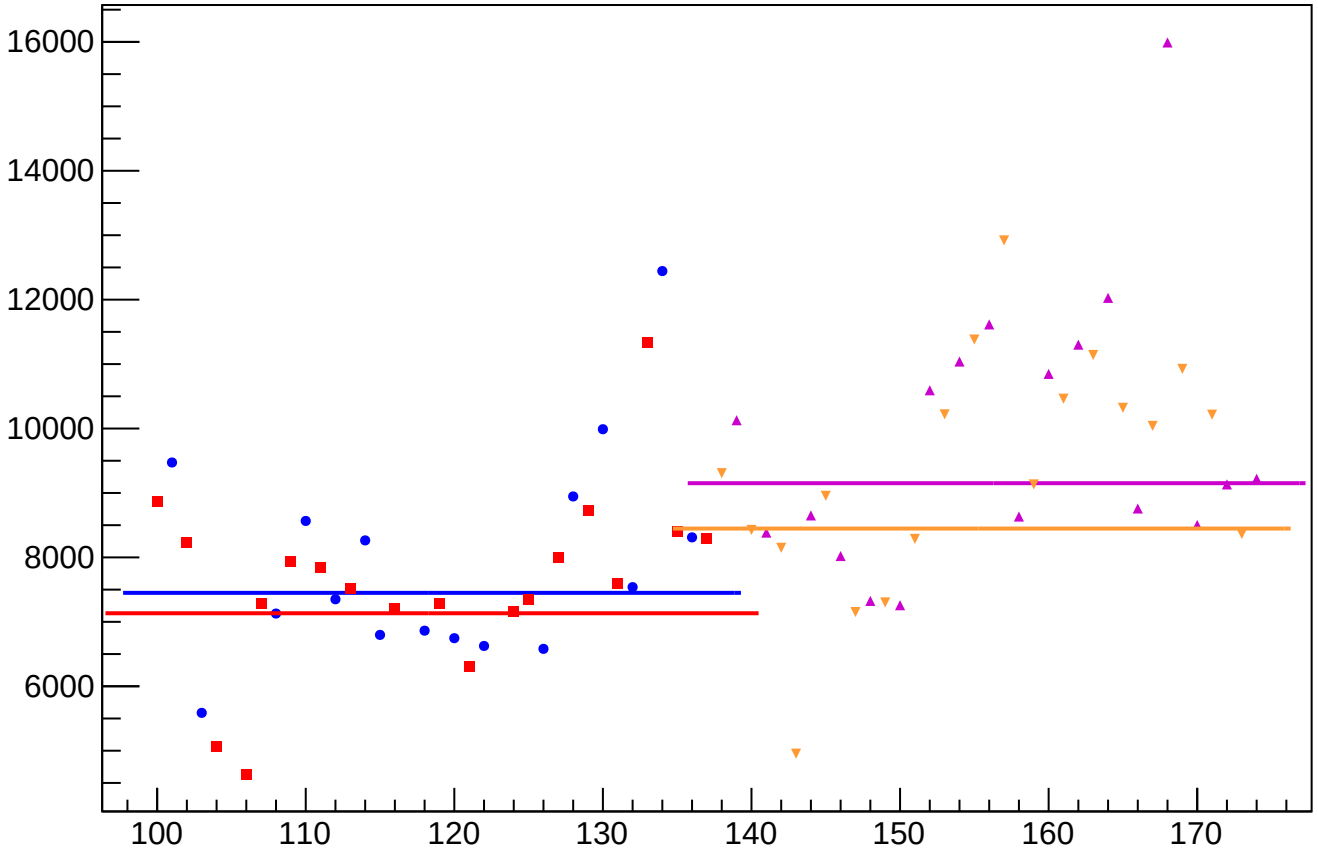
Left In: -2408.180+/-2418.373 χ^2/NDF:11.0/17

+ sign 1864.102+/-1764.204 χ^2/NDF: 36.2/34

All: -248.189+/-1259.975 χ^2/NDF: 65.1/71

- 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: 8447.742+/-1.596 χ^2/NDF:1652926.0/18

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

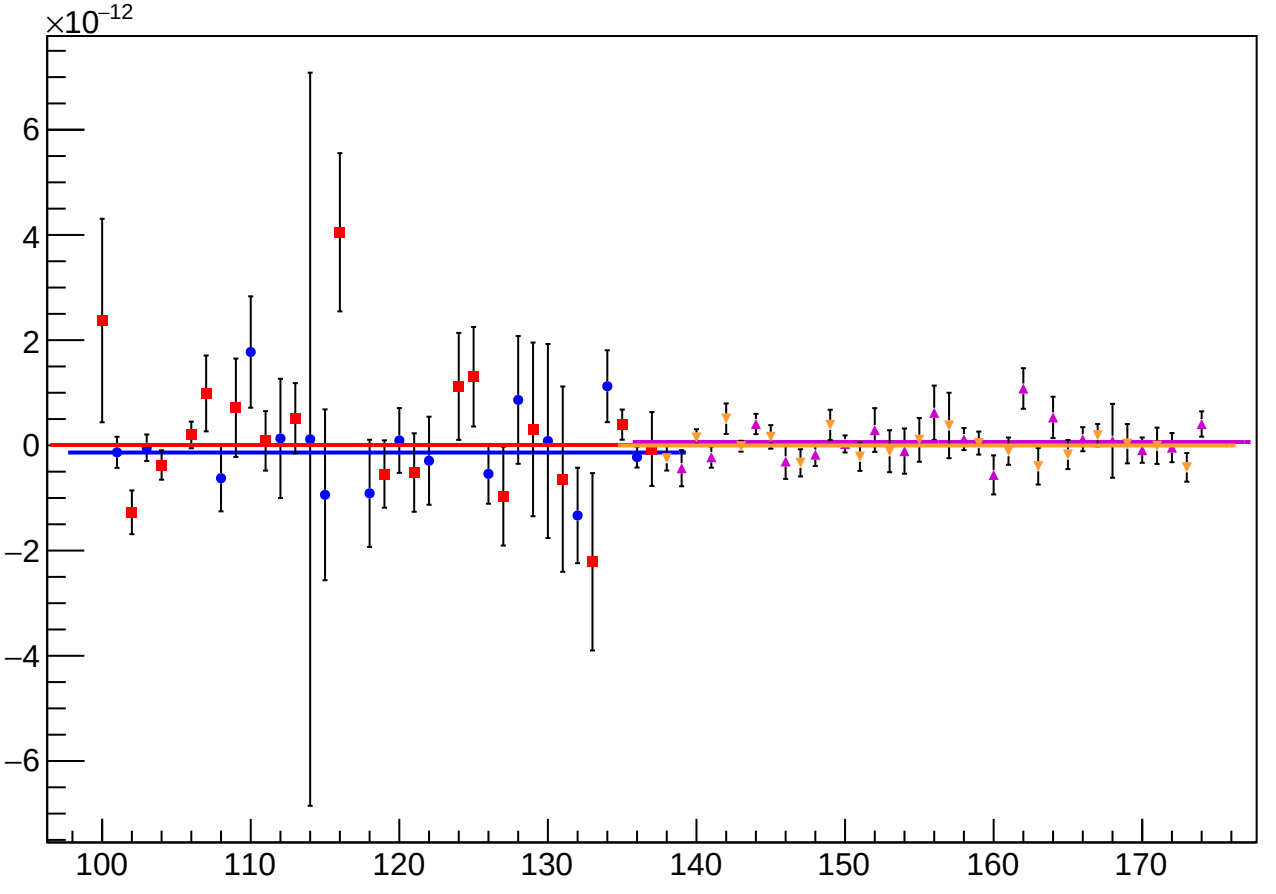
Left In: 9151.641+/-1.710 χ^2/NDF:954546.5/17

\+ sign 8059.693+/-1.247 χ^2/NDF: 2291388.7/34

All: 8153.612+/-0.891 χ^2/NDF: 4435914.9/71

\- 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:15.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

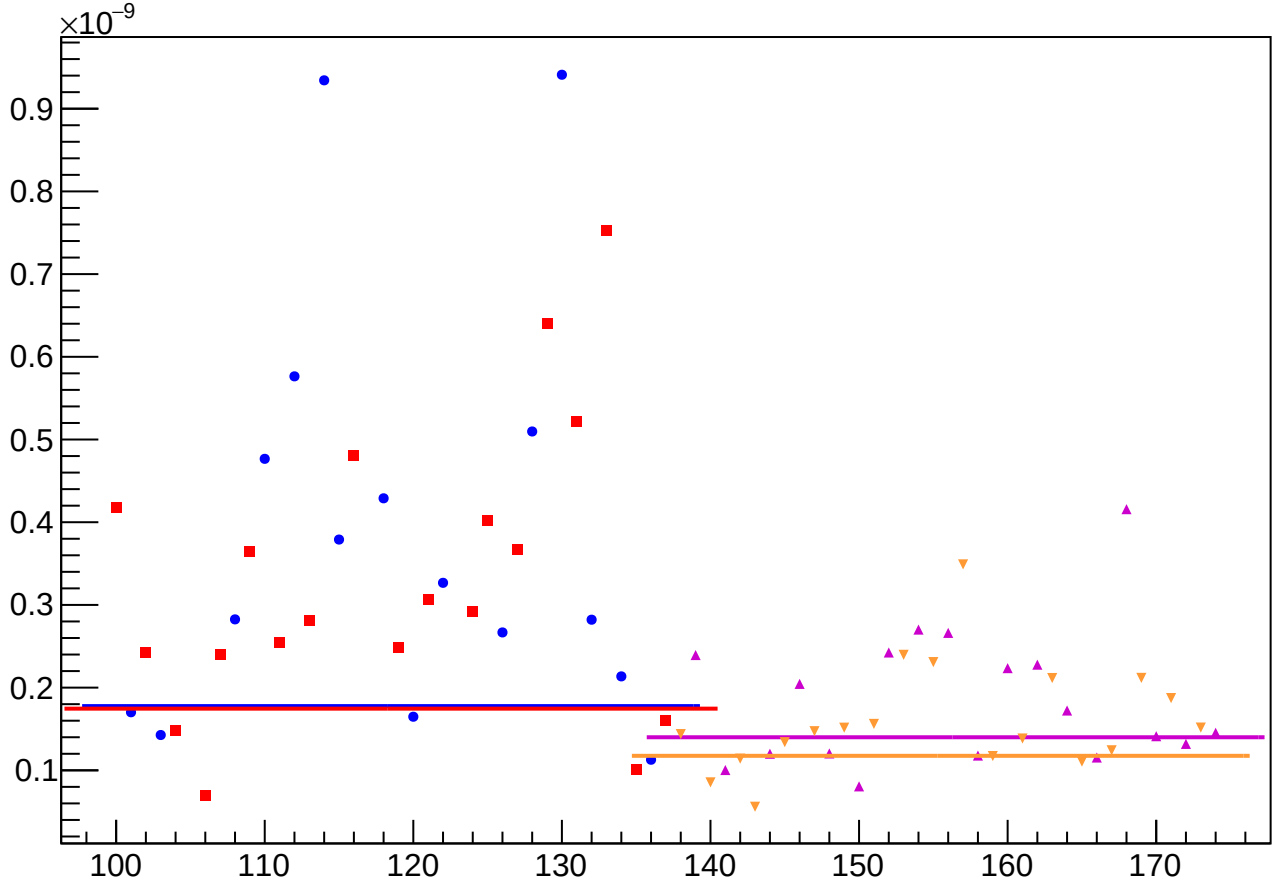
Left In: 0.000+/-0.000 χ^2/NDF:25.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/34

All: 0.000+/-0.000 χ^2/NDF: 87.2/71

- 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:1937722.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

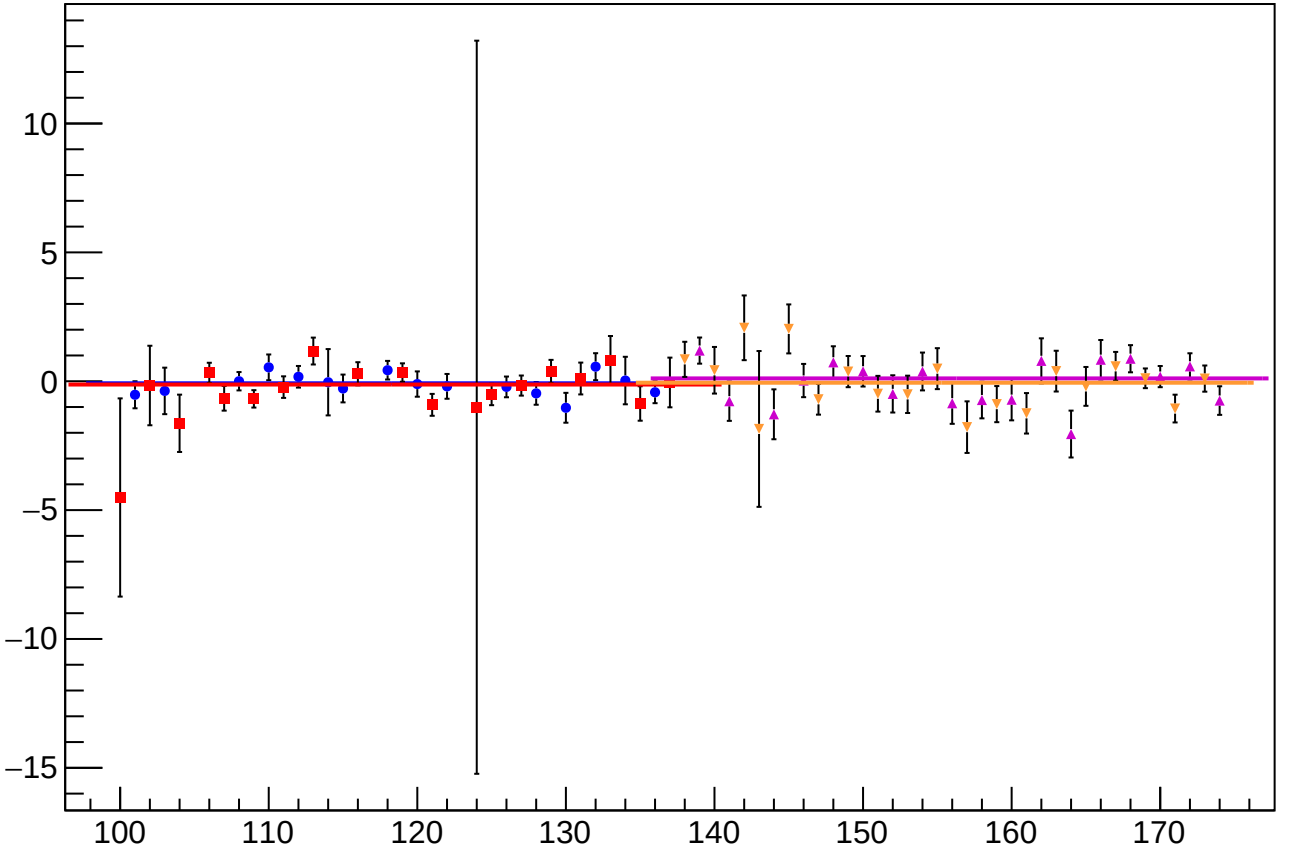
Left In: 0.000+/-0.000 χ^2/NDF:1625973.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 3886788.5/34

All: 0.000+/-0.000 χ^2/NDF: 7417816.4/71

- 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: -0.057+/-0.155 χ^2/NDF:25.1/18

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

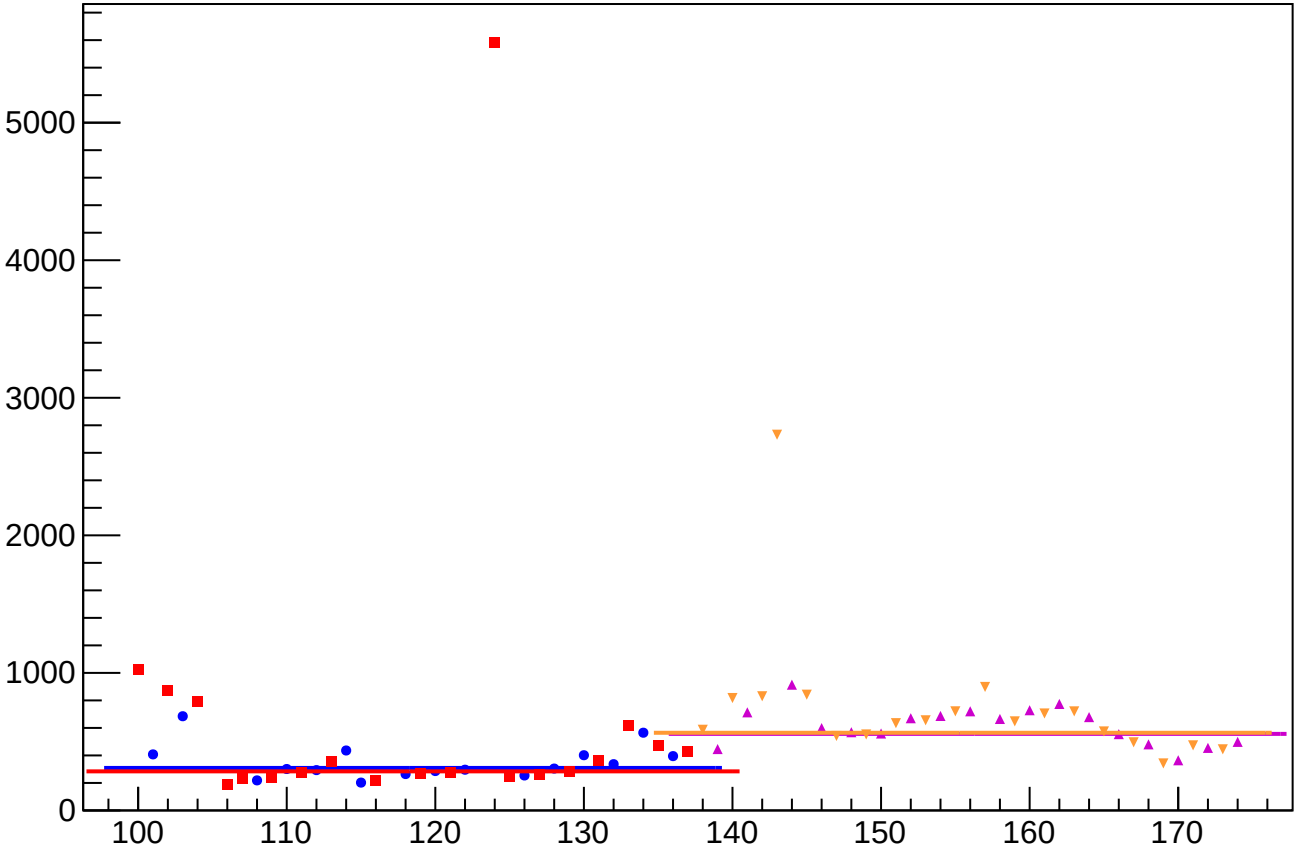
Left In: 0.110+/-0.150 χ^2/NDF:26.4/17

+ sign -0.071+/-0.096 χ^2/NDF: 35.9/34

All: -0.054+/-0.066 χ^2/NDF: 89.2/71

- 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: 564.770+/-0.109 χ^2/NDF:2847341.7/18

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

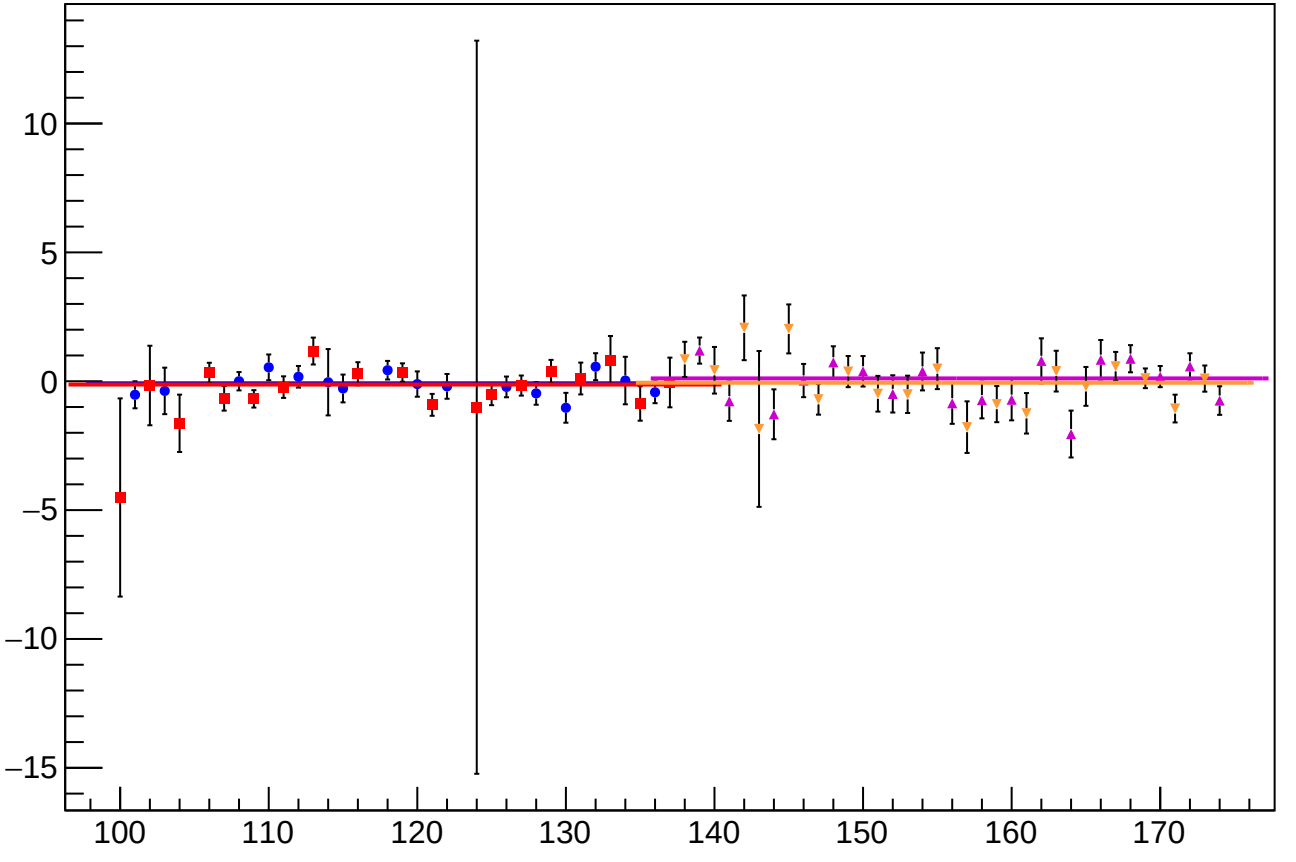
Left In: 556.624+/-0.106 χ^2/NDF:1537318.2/17

+ sign 406.905+/-0.068 χ^2/NDF: 7229758.3/34

All: 396.533+/-0.047 χ^2/NDF: 14763392.4/71

- 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: -0.057+/-0.155 χ^2/NDF:25.1/18

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

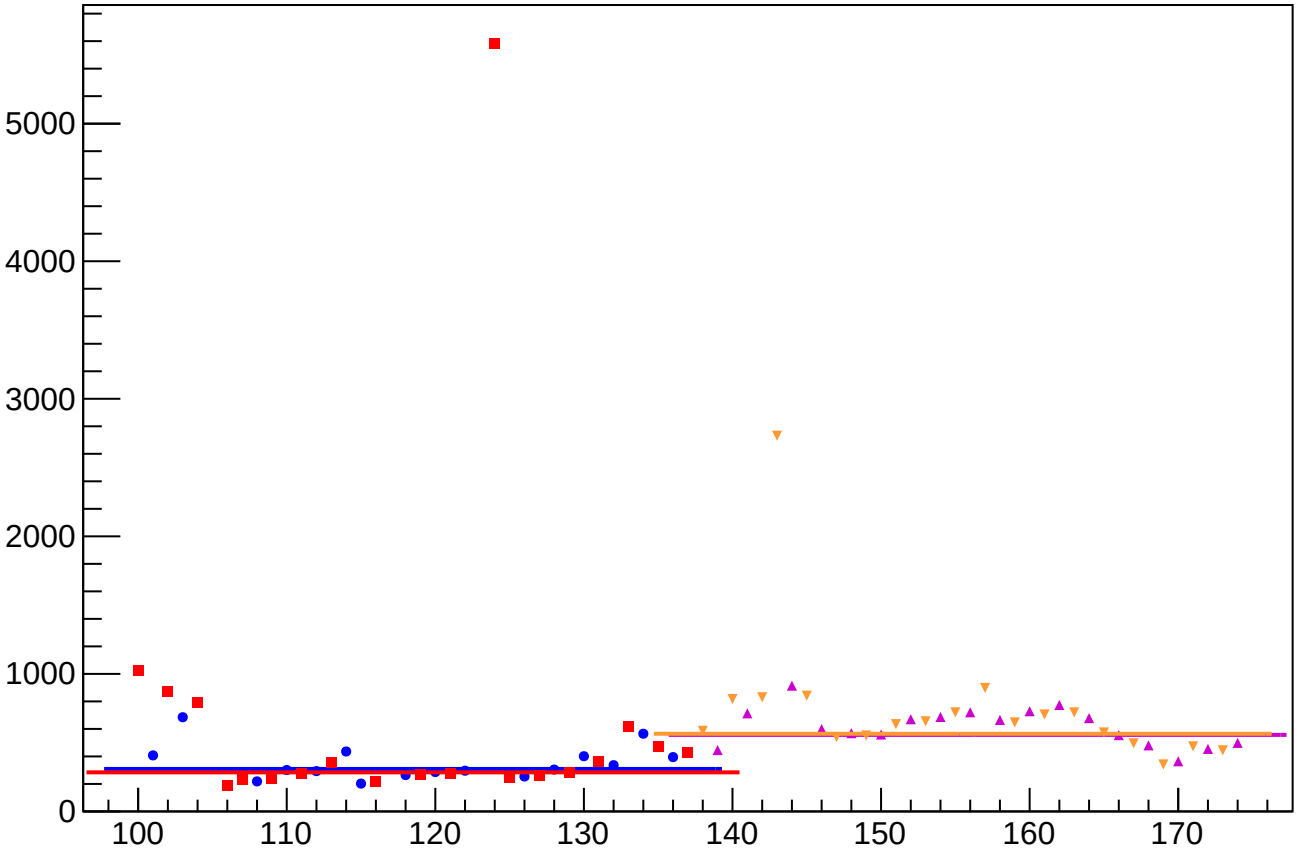
Left In: 0.110+/-0.150 χ^2/NDF:26.4/17

+ sign -0.071+/-0.096 χ^2/NDF: 35.9/34

All: -0.054+/-0.066 χ^2/NDF: 89.2/71

- 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: 564.770+/-0.109 χ^2/NDF:2847341.7/18

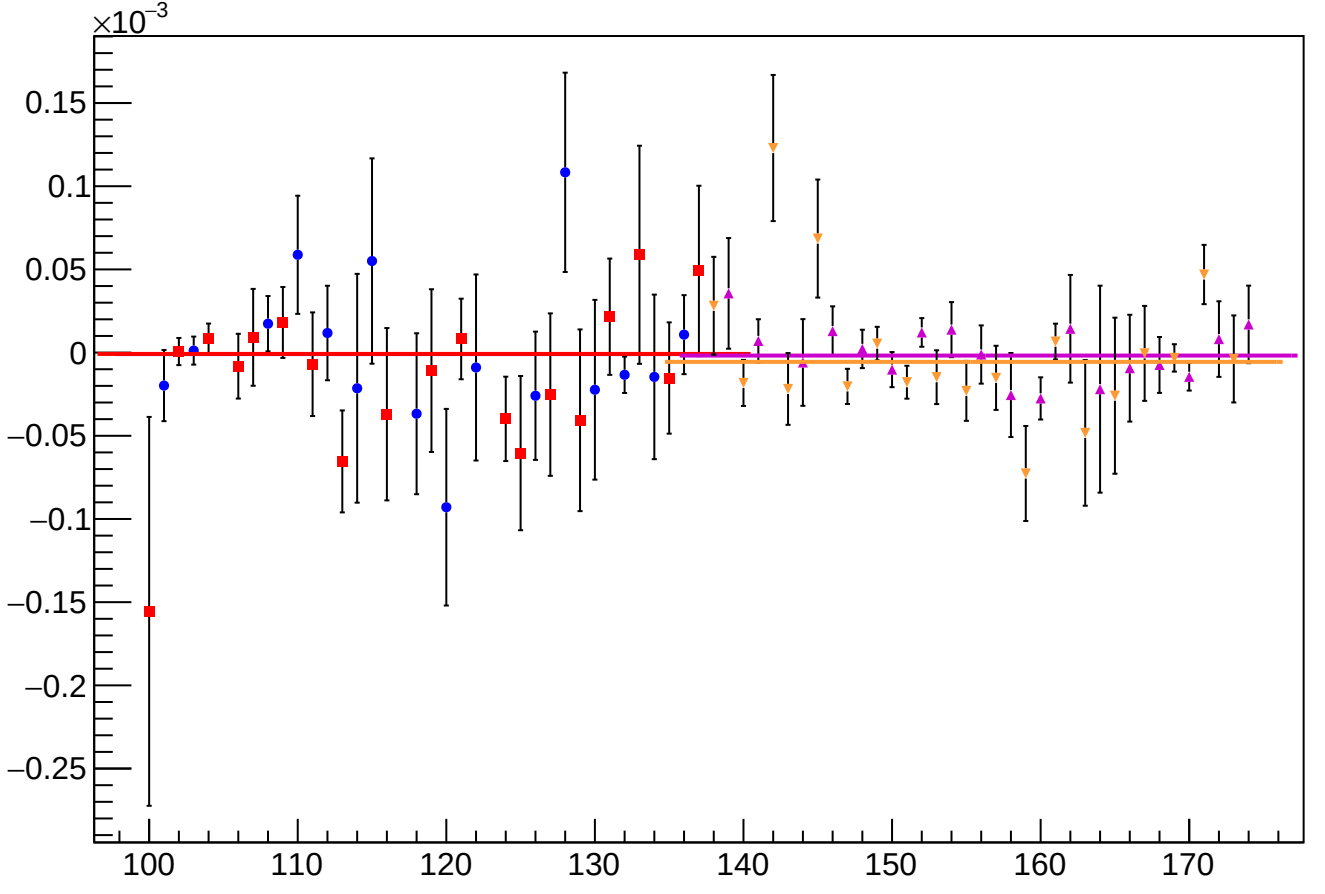
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 556.624+/-0.106 χ^2/NDF:1537318.2/17

+ sign 406.905+/-0.068 χ^2/NDF: 7229758.3/34

All: 396.533+/-0.047 χ^2/NDF: 14763392.4/71

- 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:38.6/18

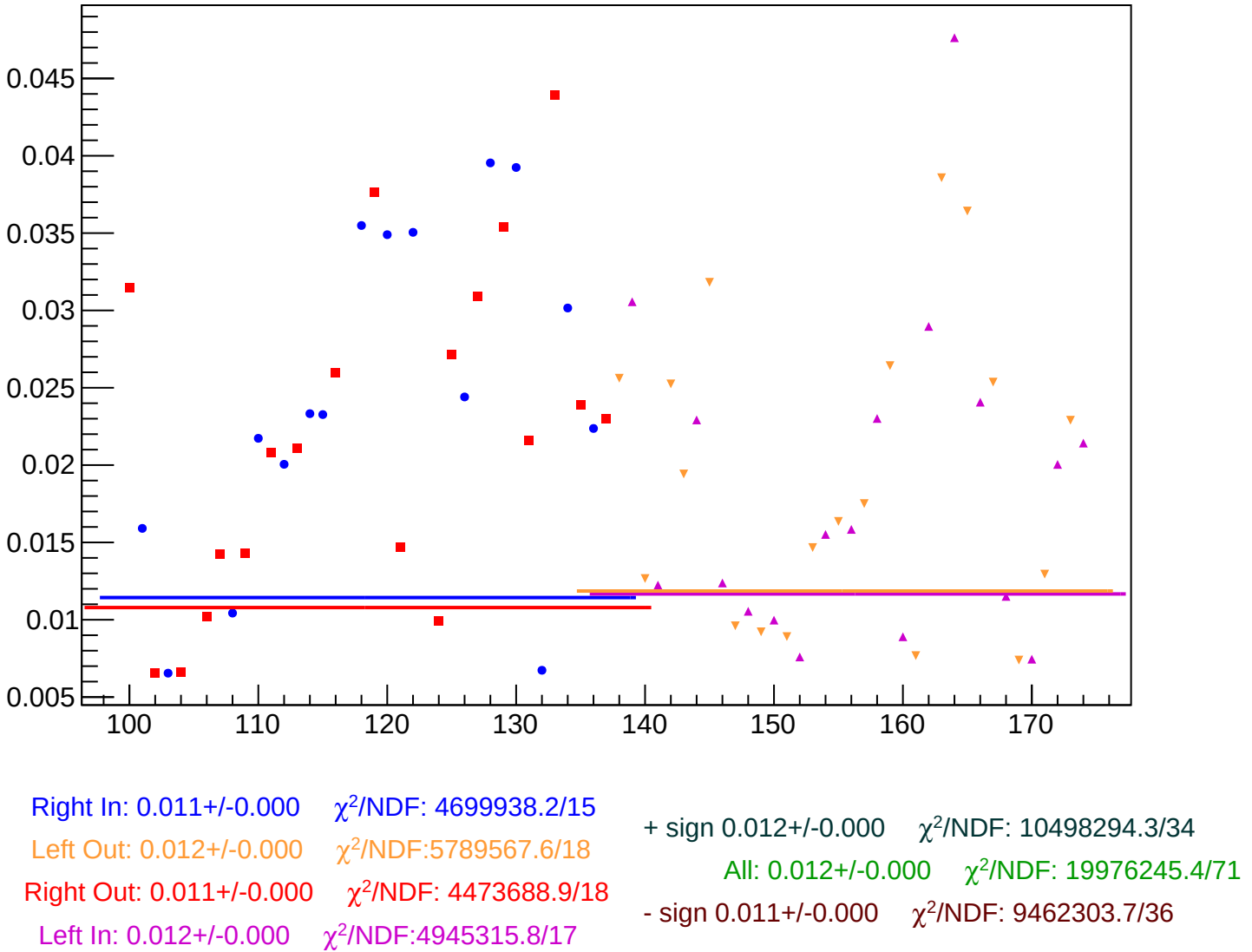
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

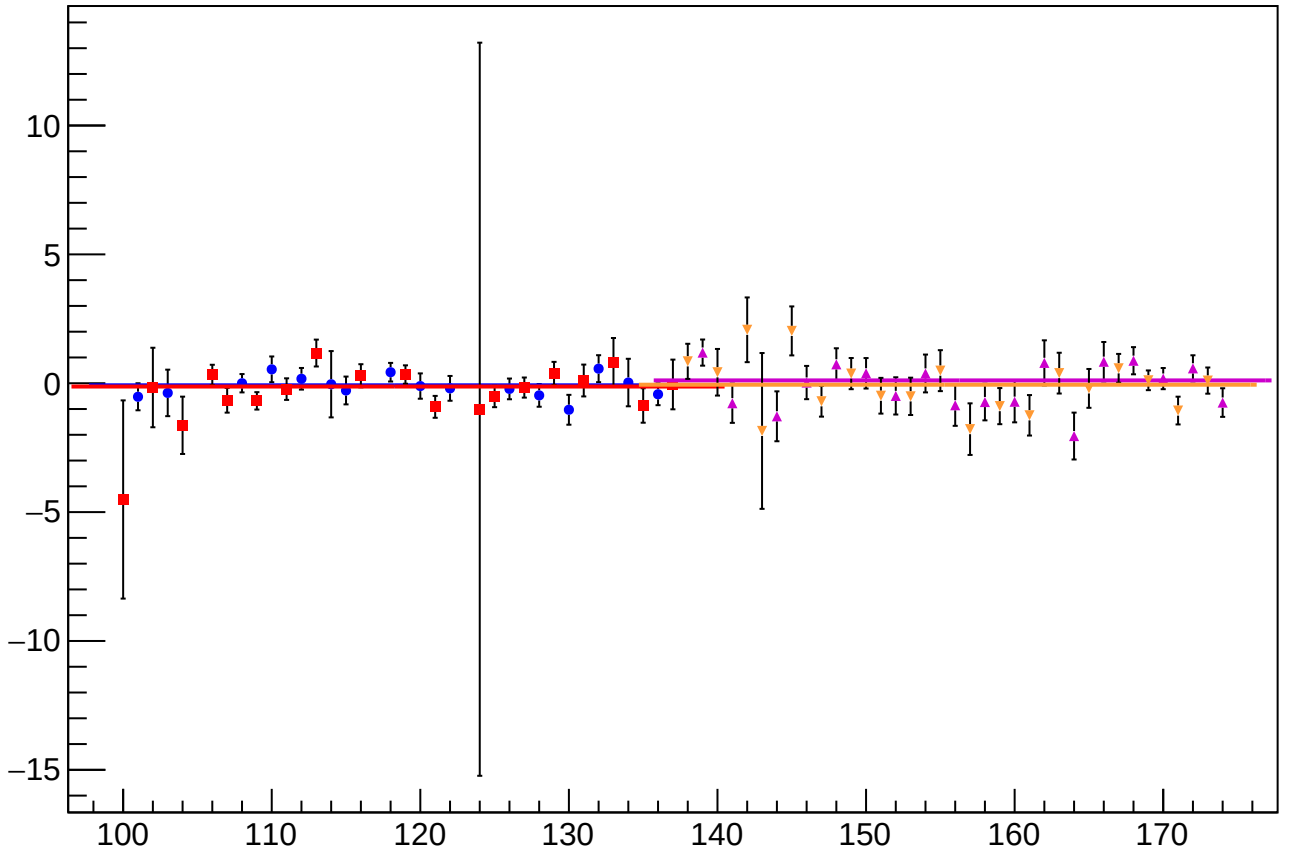
Left In: -0.000+/-0.000 χ^2/NDF:15.7/17

+ sign -0.000+/-0.000 χ^2/NDF: 53.6/34

All: -0.000+/-0.000 χ^2/NDF: 85.9/71

- sign -0.000+/-0.000 χ^2/NDF: 31.9/36


asym_at2_avg_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: 4699938.2/15
Left Out: 0.012+/-0.000 χ²/NDF:5789567.6/18
Right Out: 0.011+/-0.000 χ²/NDF: 4473688.9/18
Left In: 0.012+/-0.000 χ²/NDF:4945315.8/17
+ sign 0.012+/-0.000 χ²/NDF: 10498294.3/34
All: 0.012+/-0.000 χ²/NDF: 19976245.4/71
- sign 0.011+/-0.000 χ²/NDF: 9462303.7/36



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.057+/-0.155 χ^2/NDF:25.1/18

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

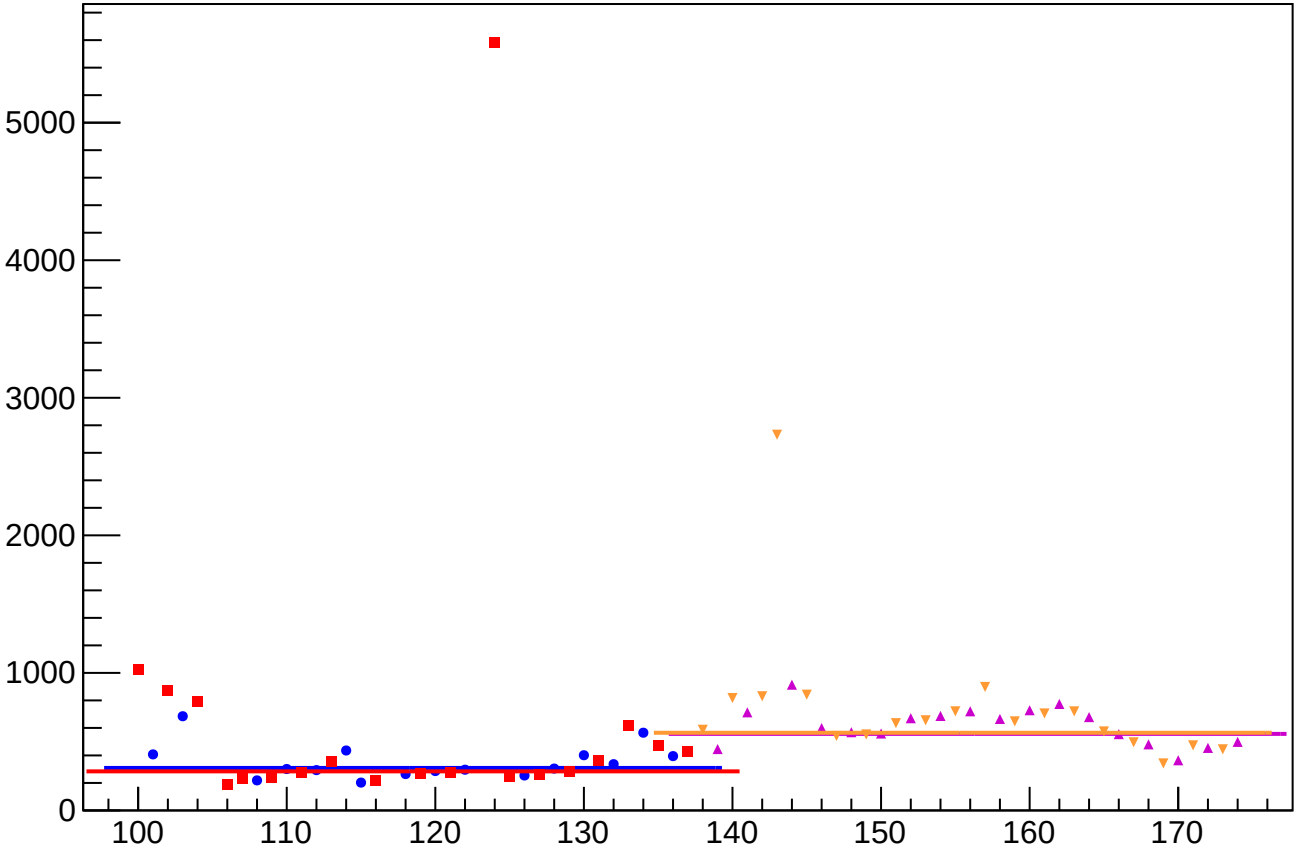
Left In: 0.110+/-0.150 χ^2/NDF:26.4/17

+ sign -0.071+/-0.096 χ^2/NDF: 35.9/34

All: -0.054+/-0.066 χ^2/NDF: 89.2/71

- 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: 564.770+/-0.109 χ^2/NDF:2847495.5/18

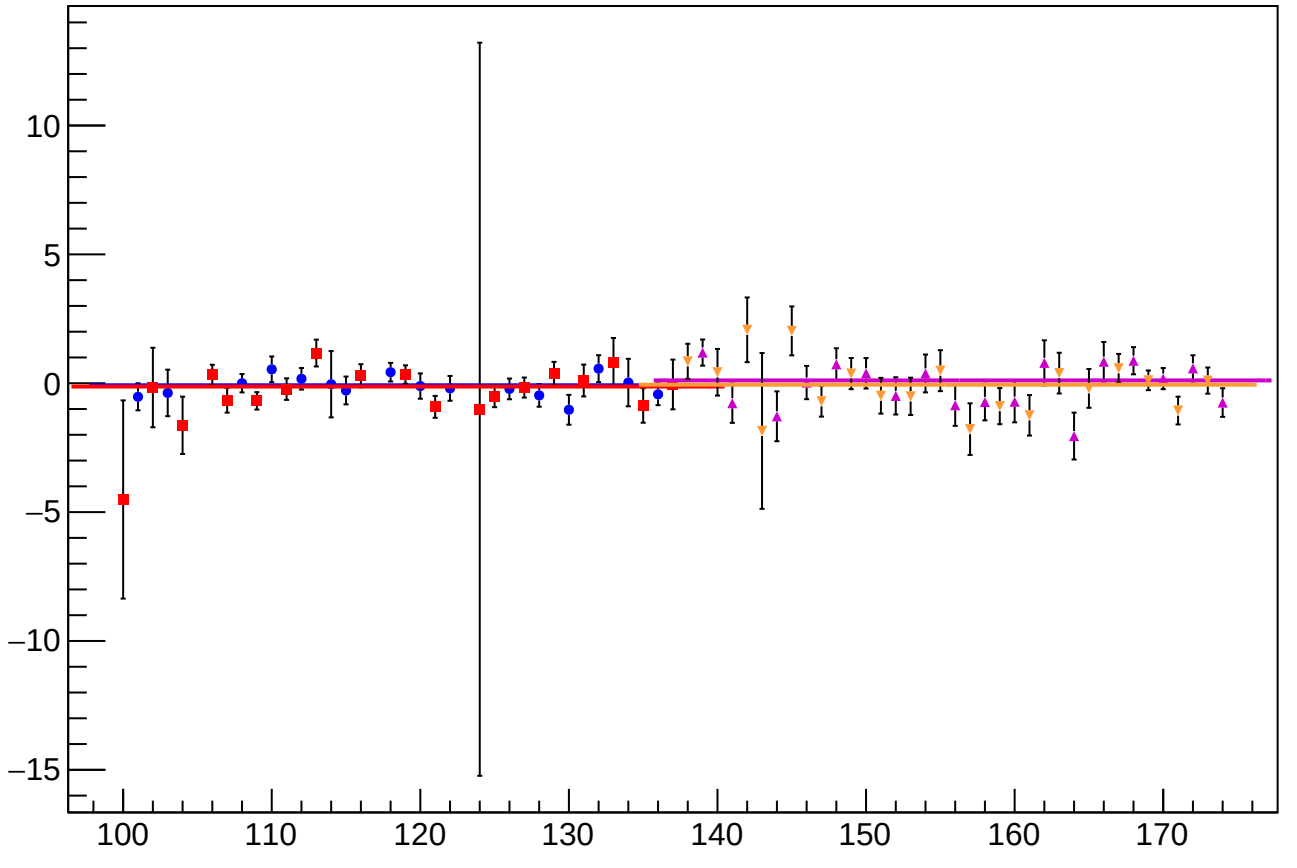
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 556.626+/-0.106 χ^2/NDF:1537404.8/17

+ sign 406.904+/-0.068 χ^2/NDF: 7229897.9/34

All: 396.533+/-0.047 χ^2/NDF: 14763669.8/71

- 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: -0.057+/-0.155 χ^2/NDF:25.1/18

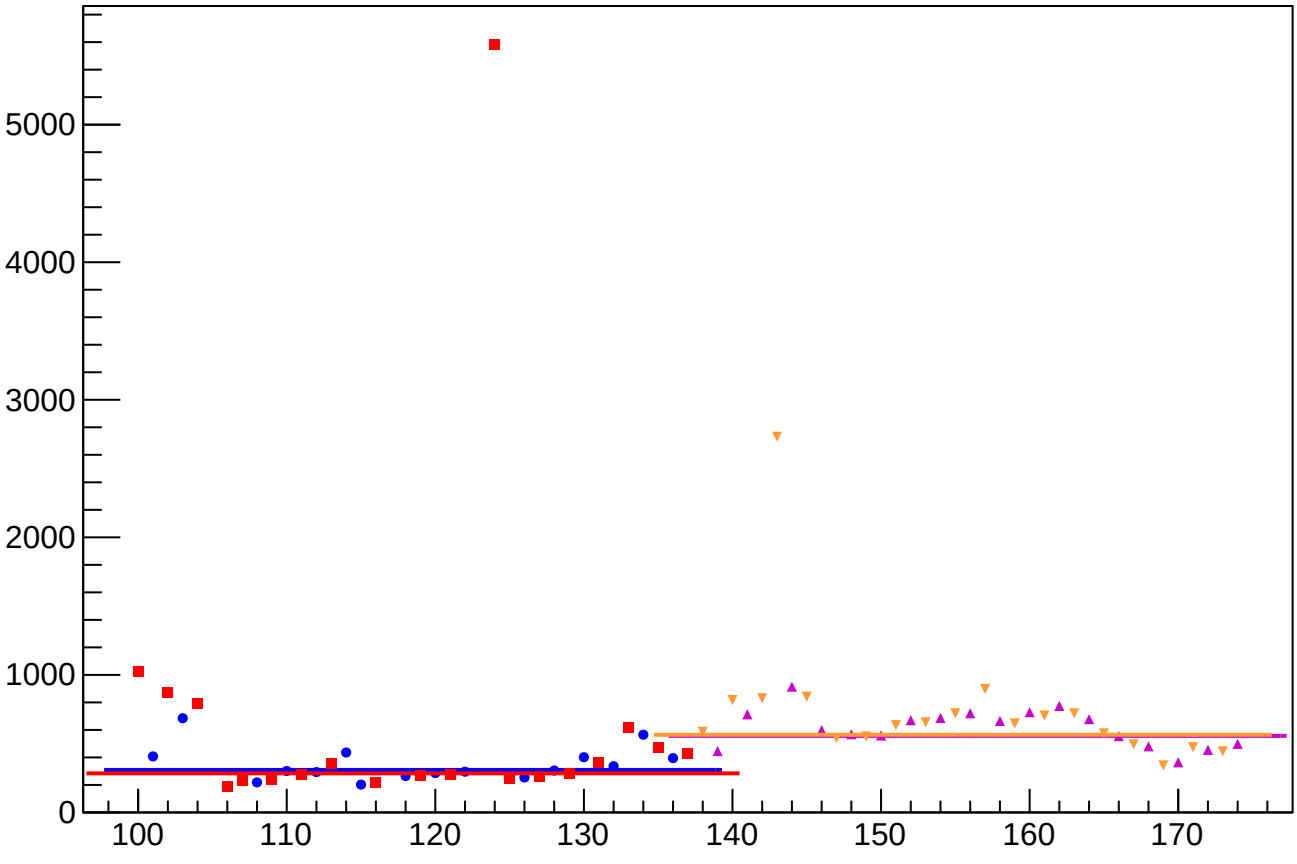
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.110+/-0.150 χ^2/NDF:26.4/17

+ sign -0.071+/-0.096 χ^2/NDF: 35.9/34

All: -0.054+/-0.066 χ^2/NDF: 89.2/71

- 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: 564.770+/-0.109 χ^2/NDF:2847495.5/18

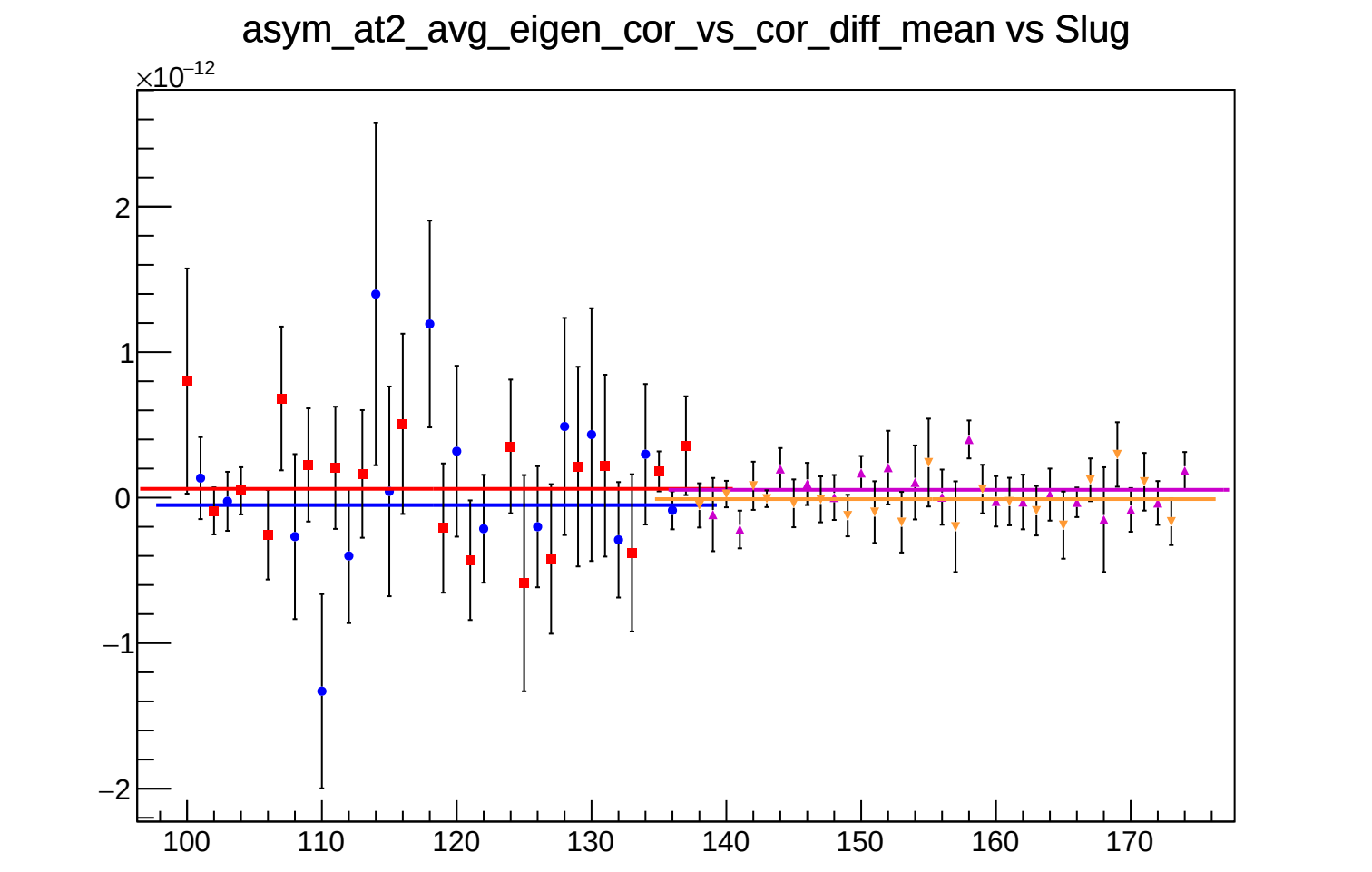
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 556.626+/-0.106 χ^2/NDF:1537404.8/17

+ sign 406.904+/-0.068 χ^2/NDF: 7229897.9/34

All: 396.533+/-0.047 χ^2/NDF: 14763669.8/71

- 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:8.0/18

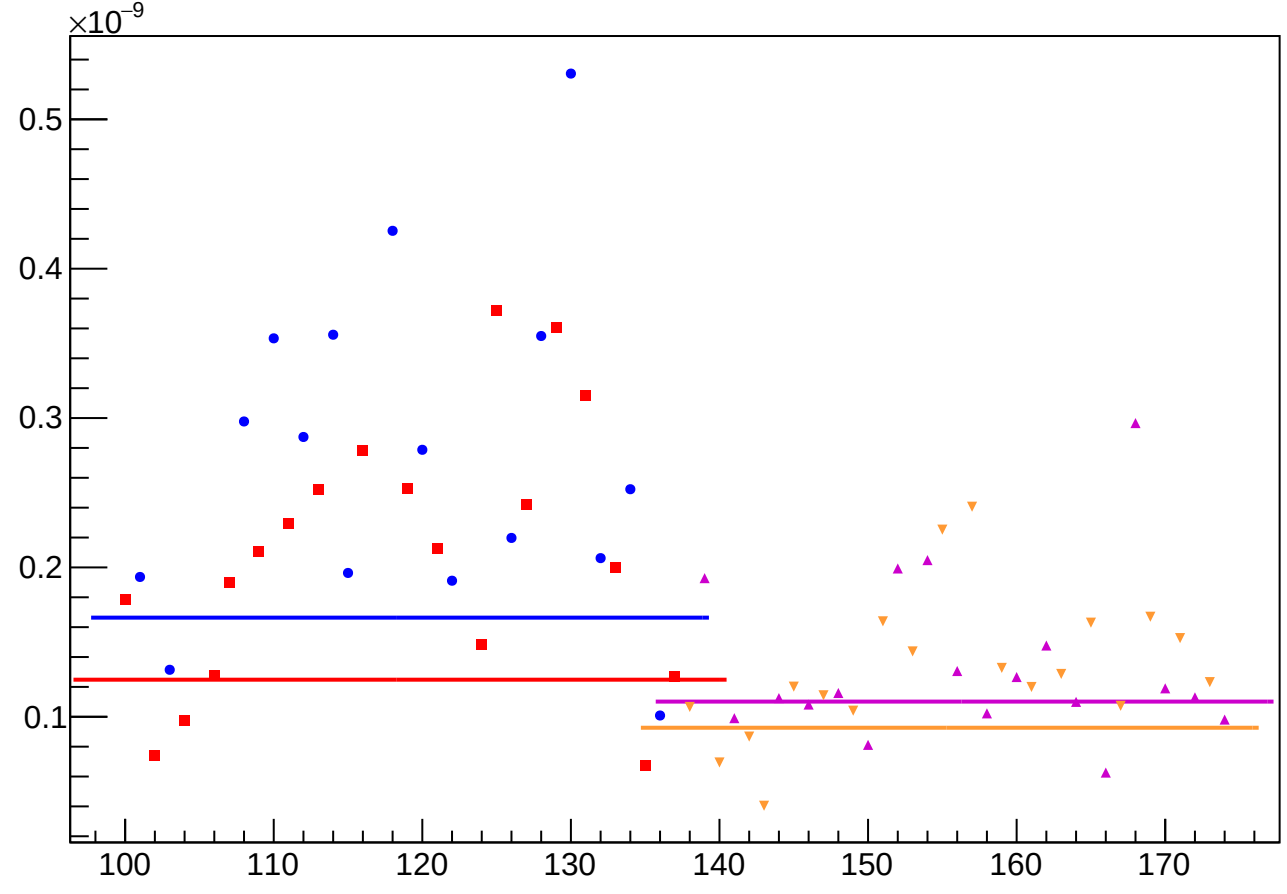
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 20.2/34

All: 0.000+/-0.000 χ^2/NDF: 52.5/71

- sign 0.000+/-0.000 χ^2/NDF: 29.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4025853.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

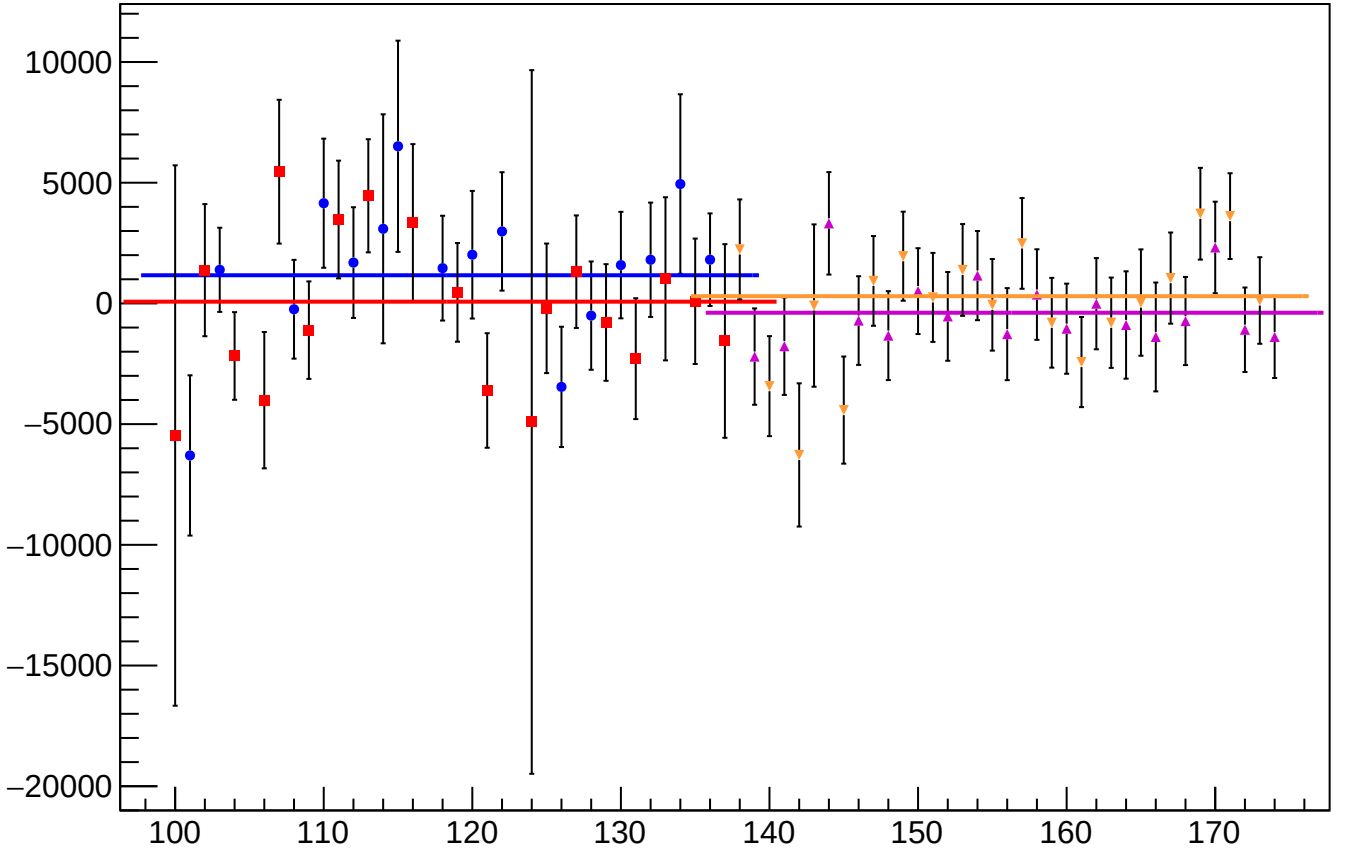
Left In: 0.000+/-0.000 χ^2/NDF:2010523.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 7337691.3/34

All: 0.000+/-0.000 χ^2/NDF: 11753846.8/71

- sign 0.000+/-0.000 χ^2/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: 299.955+/-454.548 χ^2/NDF:25.9/18

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

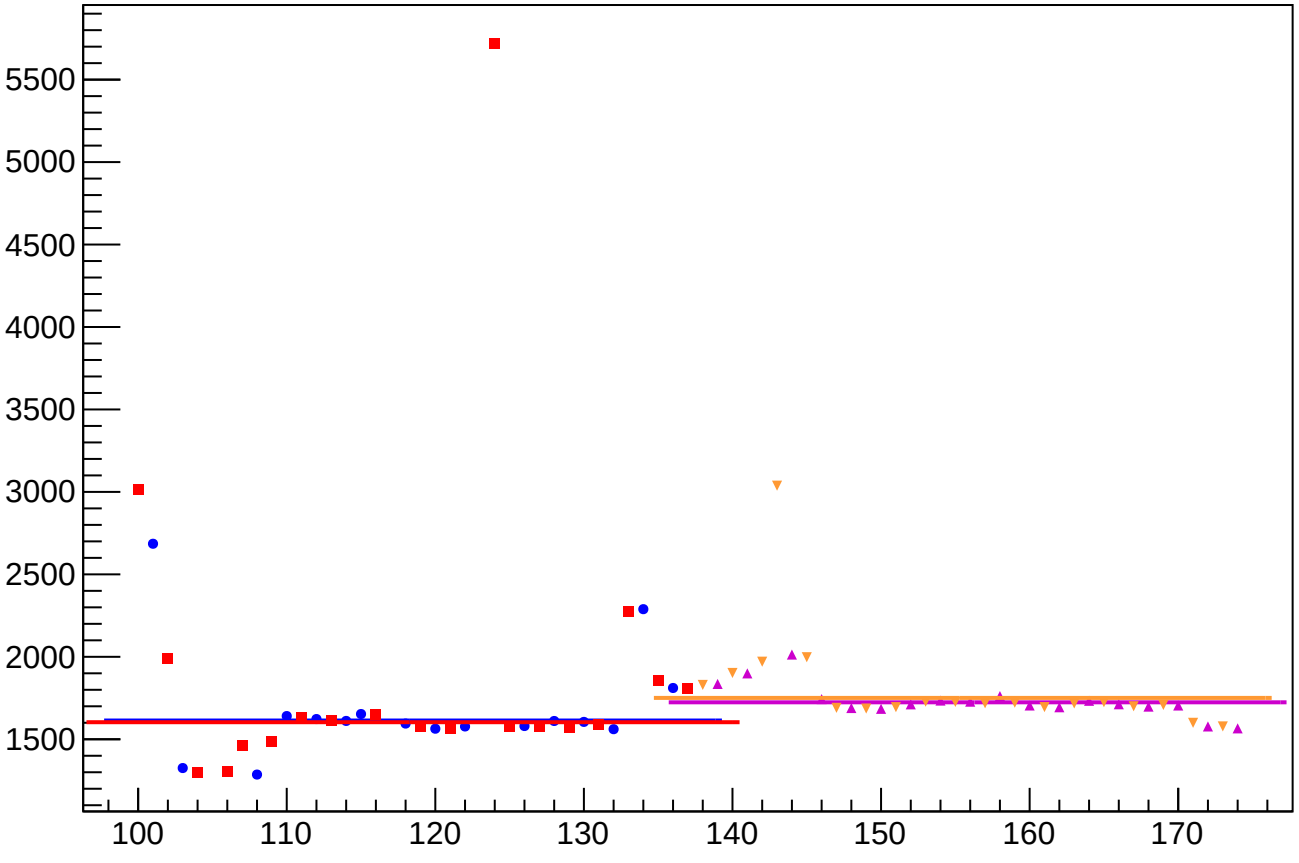
Left In: -386.054+/-447.644 χ^2/NDF:9.0/17

+ sign 610.002+/-364.306 χ^2/NDF: 41.7/34

All: 187.789+/-255.889 χ^2/NDF: 71.9/71

- 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: 1750.858+/-0.321 χ^2/NDF:388531.7/18

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

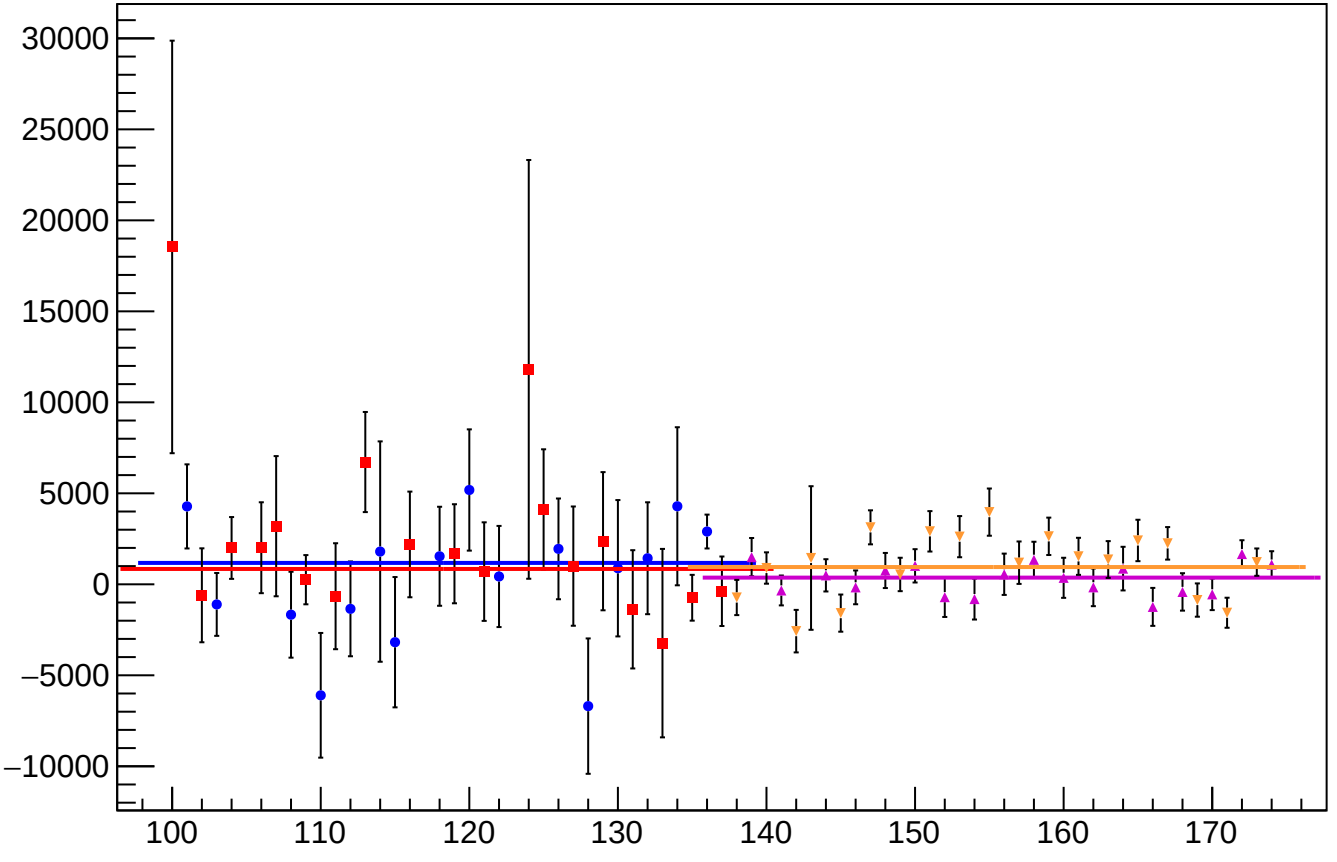
Left In: 1724.094+/-0.317 χ^2/NDF:94124.0/17

+ sign 1701.795+/-0.258 χ^2/NDF: 858373.6/34

All: 1691.395+/-0.181 χ^2/NDF: 1433070.2/71

- 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: 948.633+/-230.773 χ^2/NDF:54.9/18

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

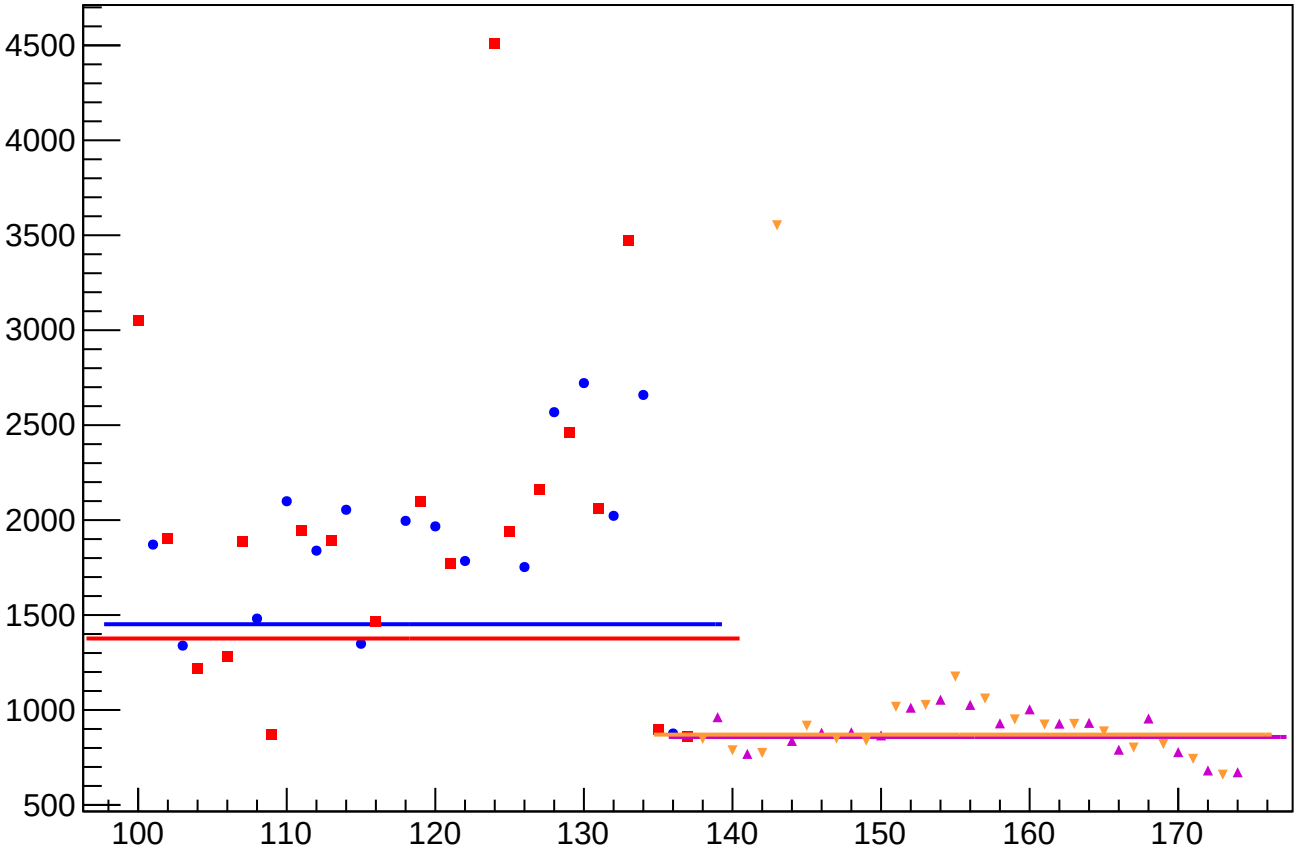
Left In: 367.249+/-224.962 χ^2/NDF:14.4/17

+ sign 979.724+/-214.376 χ^2/NDF: 77.1/34

All: 699.430+/-149.508 χ^2/NDF: 109.7/71

- 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: 870.306+/-0.163 χ^2/NDF:1449792.2/18

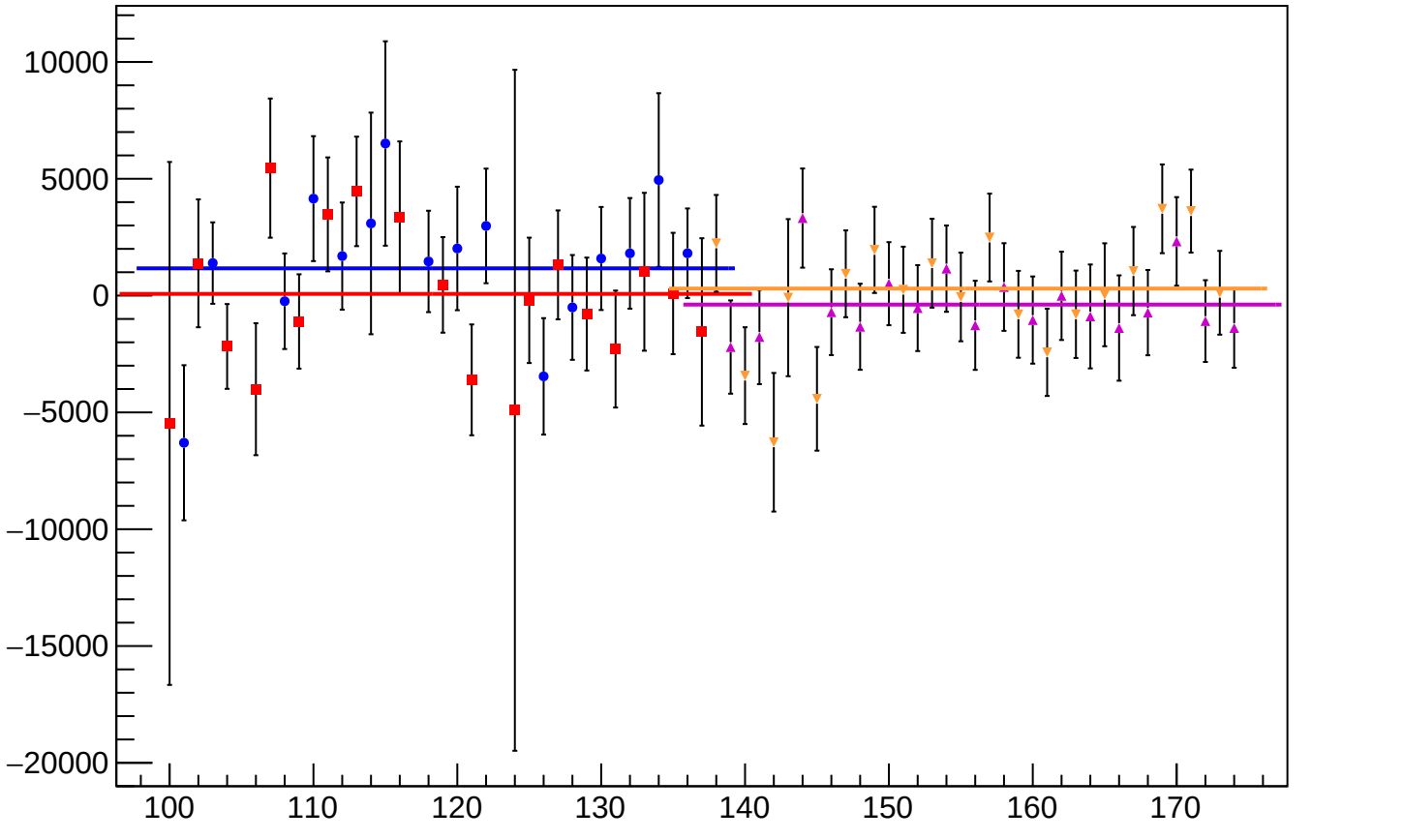
Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 857.926+/-0.159 χ^2/NDF:533624.3/17

+ sign 949.981+/-0.152 χ^2/NDF: 4980032.6/34

All: 940.001+/-0.106 χ^2/NDF: 9142403.0/71

- sign 930.551+/-0.148 χ^2/NDF: 4153931.7/36



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 299.838+/-454.548 χ^2/NDF:25.9/18

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

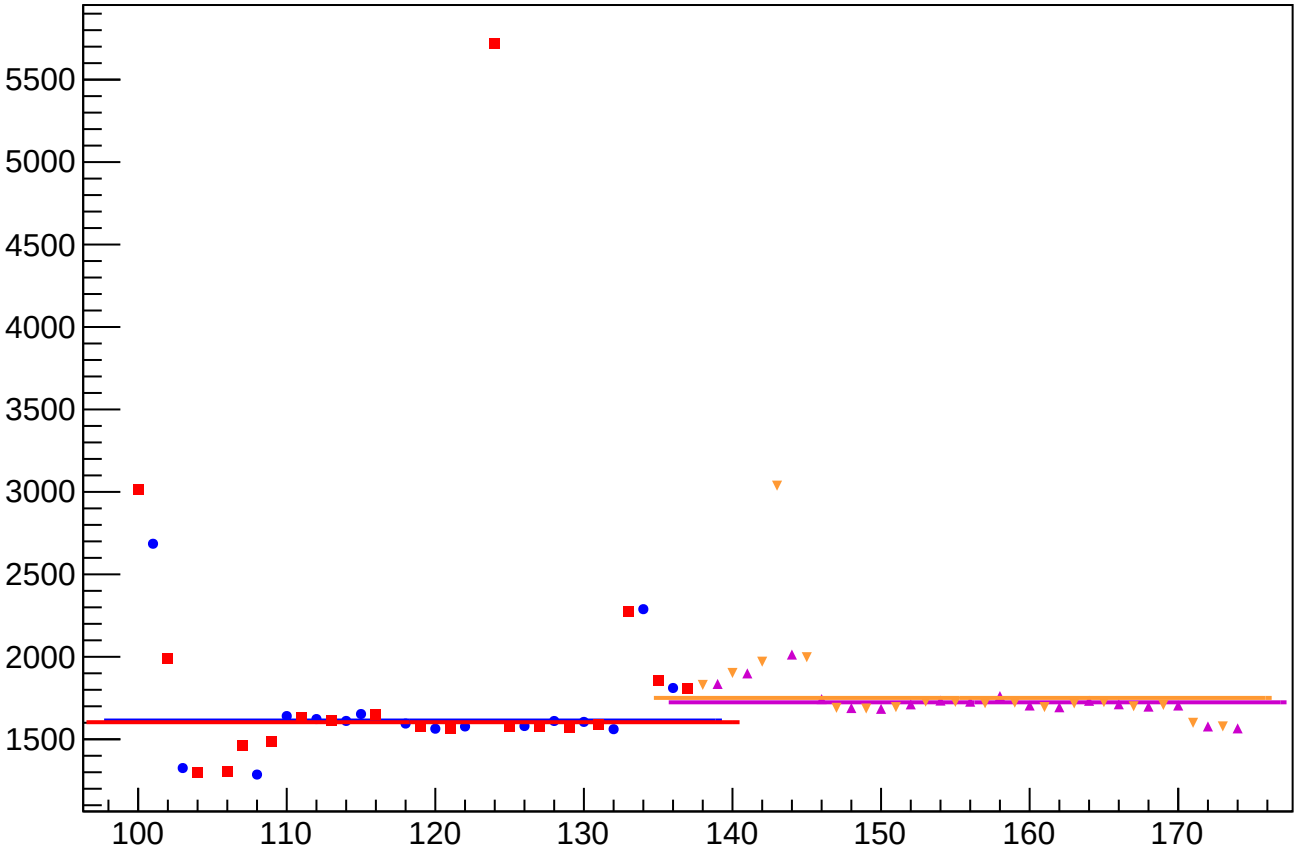
Left In: -385.958+/-447.644 χ^2/NDF:9.0/17

+ sign 609.893+/-364.306 χ^2/NDF: 41.7/34

All: 187.823+/-255.889 χ^2/NDF: 71.9/71

- 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: 1750.858+/-0.321 χ^2/NDF:388531.7/18

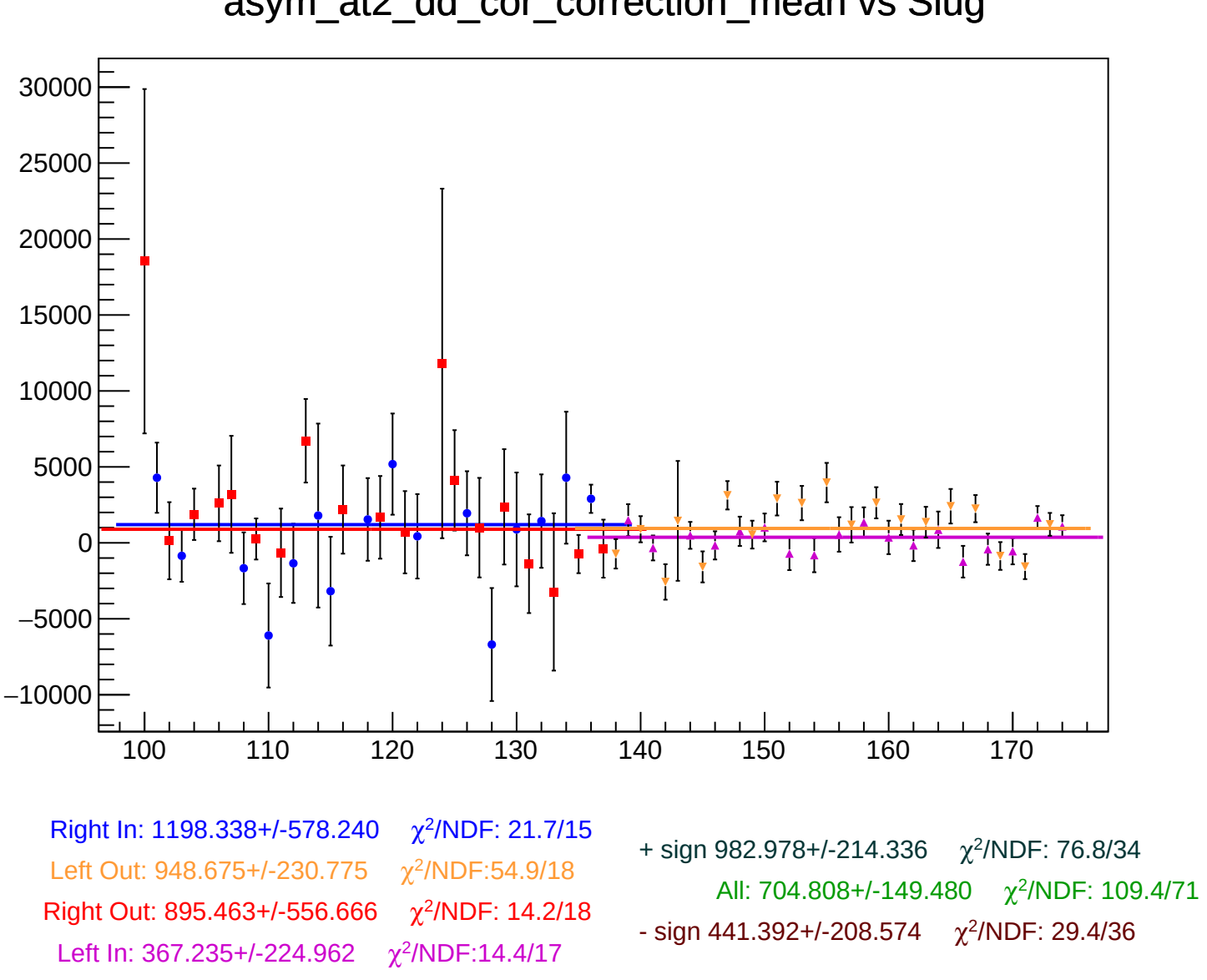
Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1724.094+/-0.317 χ^2/NDF:94124.0/17

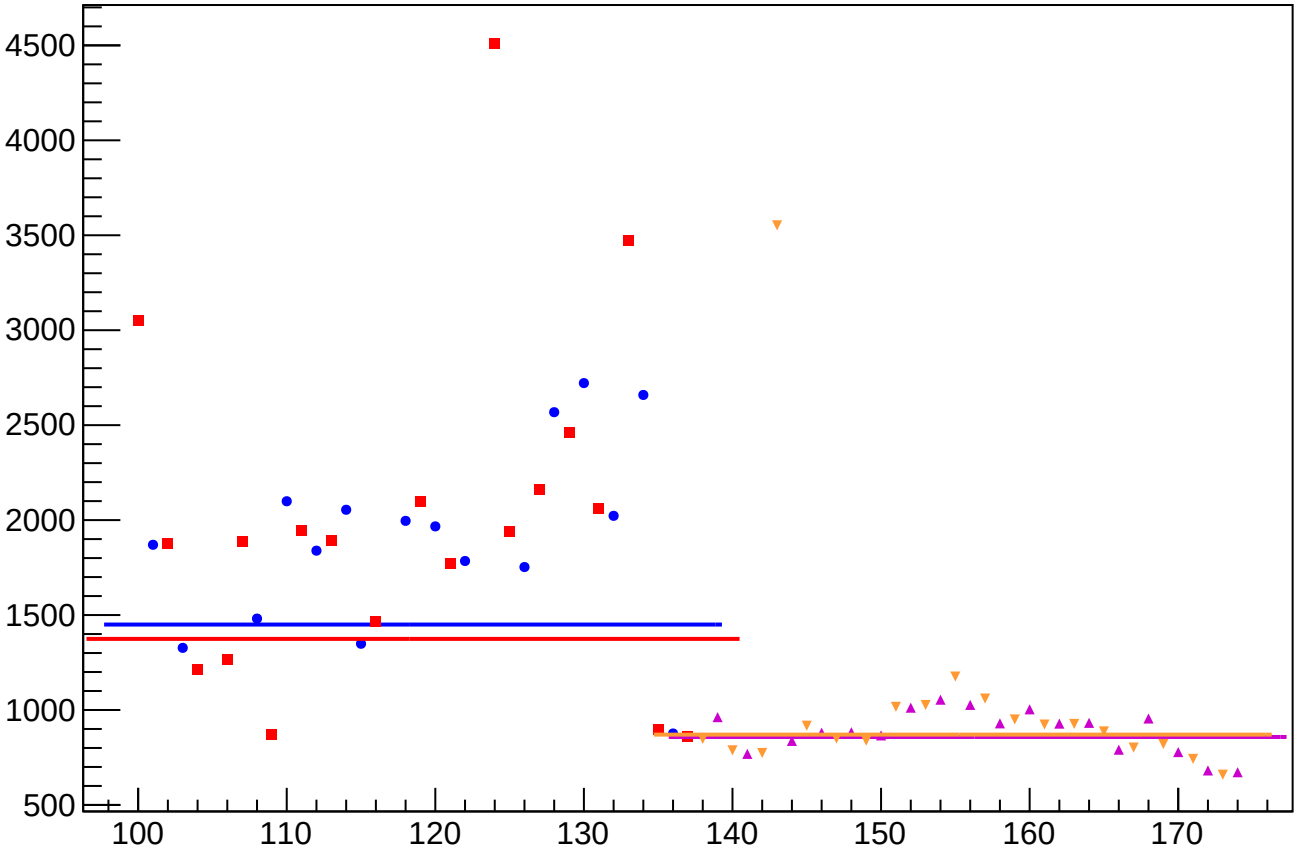
+ sign 1701.795+/-0.258 χ^2/NDF: 858374.0/34

All: 1691.395+/-0.181 χ^2/NDF: 1433070.7/71

- sign 1681.268+/-0.254 χ^2/NDF: 571479.8/36


asym_at2_dd_cor_correction_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 1198.338+/-578.240 χ²/NDF: 21.7/15
Left Out: 948.675+/-230.775 χ²/NDF:54.9/18
Right Out: 895.463+/-556.666 χ²/NDF: 14.2/18
Left In: 367.235+/-224.962 χ²/NDF:14.4/17
+ sign 982.978+/-214.336 χ²/NDF: 76.8/34
All: 704.808+/-149.480 χ²/NDF: 109.4/71
- sign 441.392+/-208.574 χ²/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: 870.316+/-0.163 χ^2/NDF:1449722.8/18

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

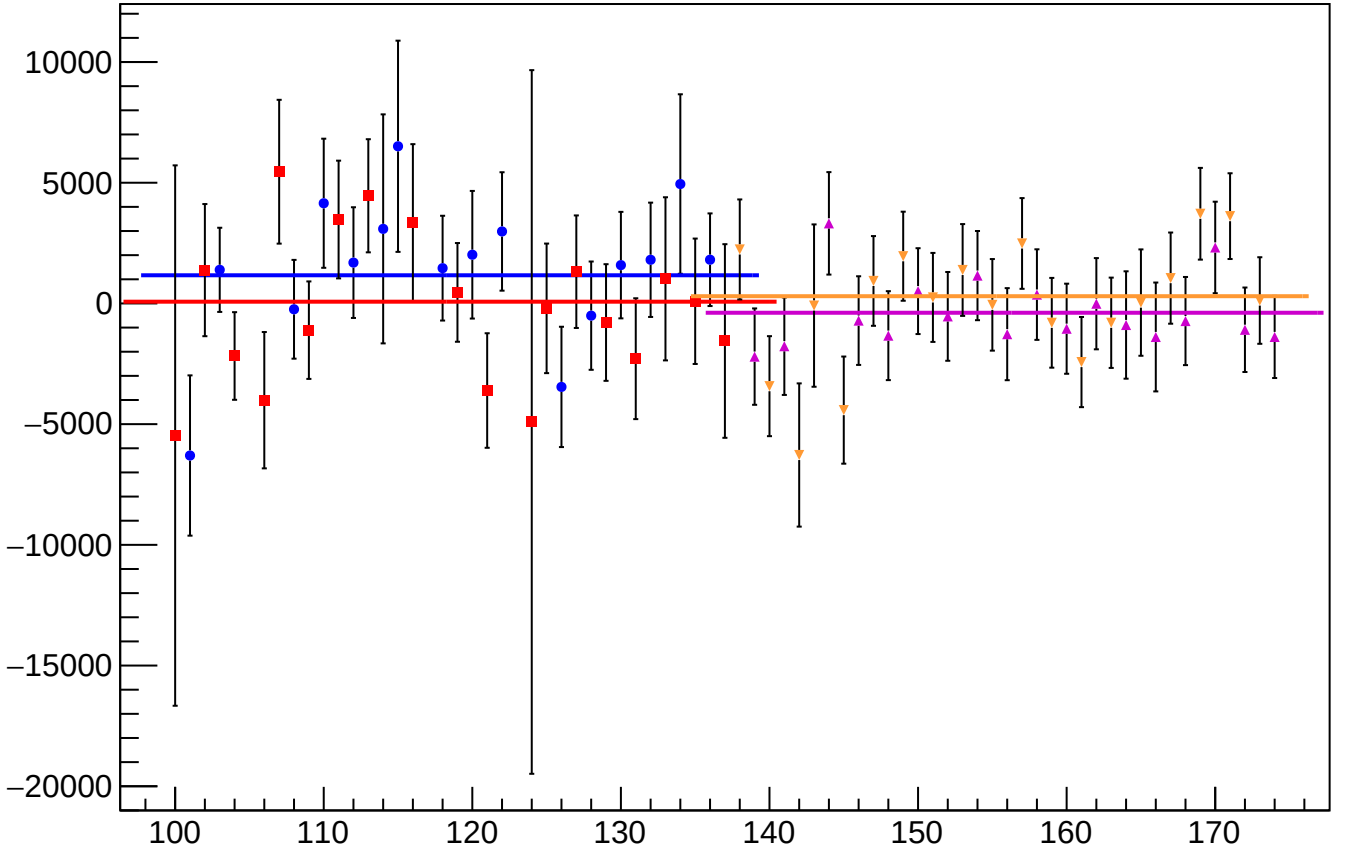
Left In: 857.927+/-0.159 χ^2/NDF:533636.9/17

+ sign 949.954+/-0.152 χ^2/NDF: 4975859.2/34

All: 939.931+/-0.106 χ^2/NDF: 9125842.8/71

- 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: 299.838+/-454.548 χ^2/NDF:25.9/18

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

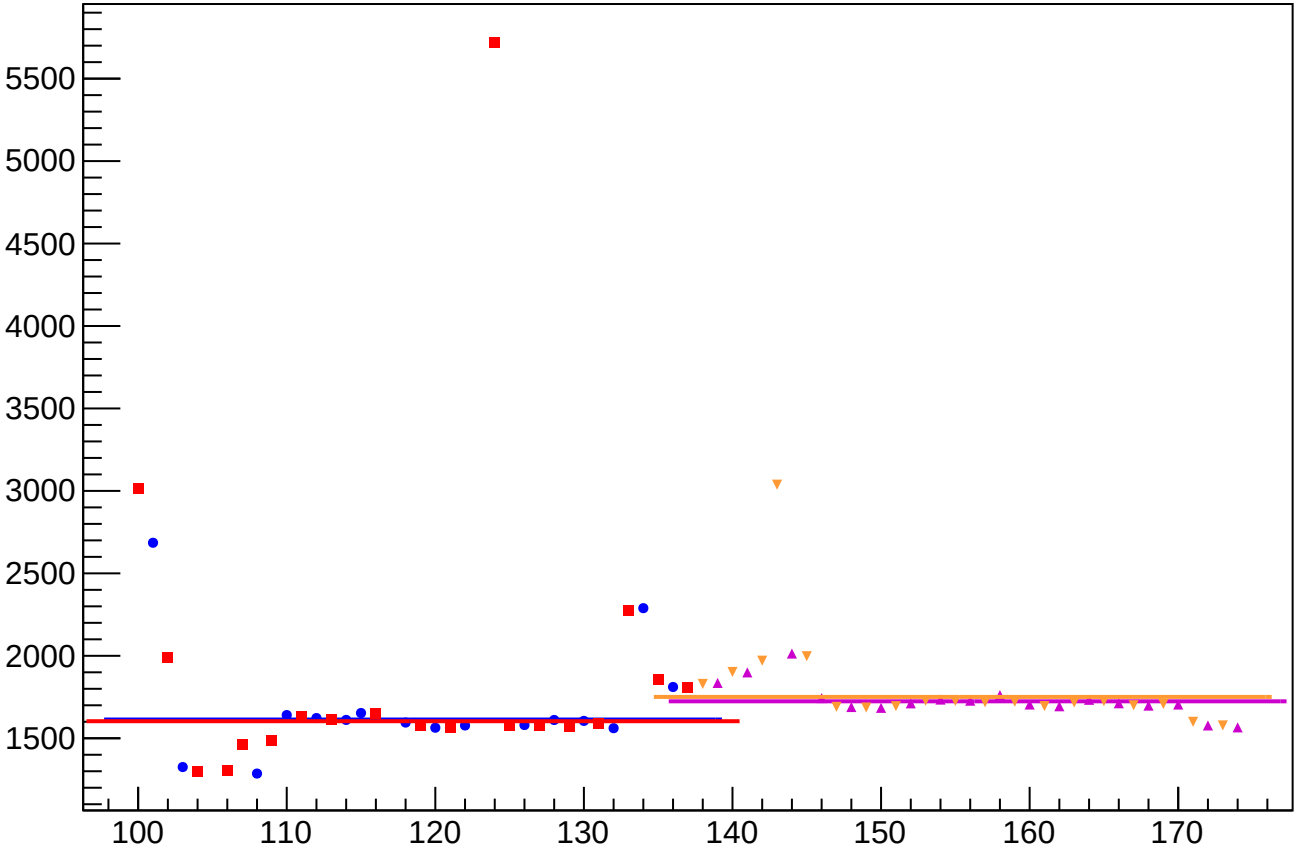
Left In: -385.958+/-447.644 χ^2/NDF:9.0/17

+ sign 609.893+/-364.306 χ^2/NDF: 41.7/34

All: 187.823+/-255.889 χ^2/NDF: 71.9/71

- 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: 1750.858+/-0.321 χ^2/NDF:388531.7/18

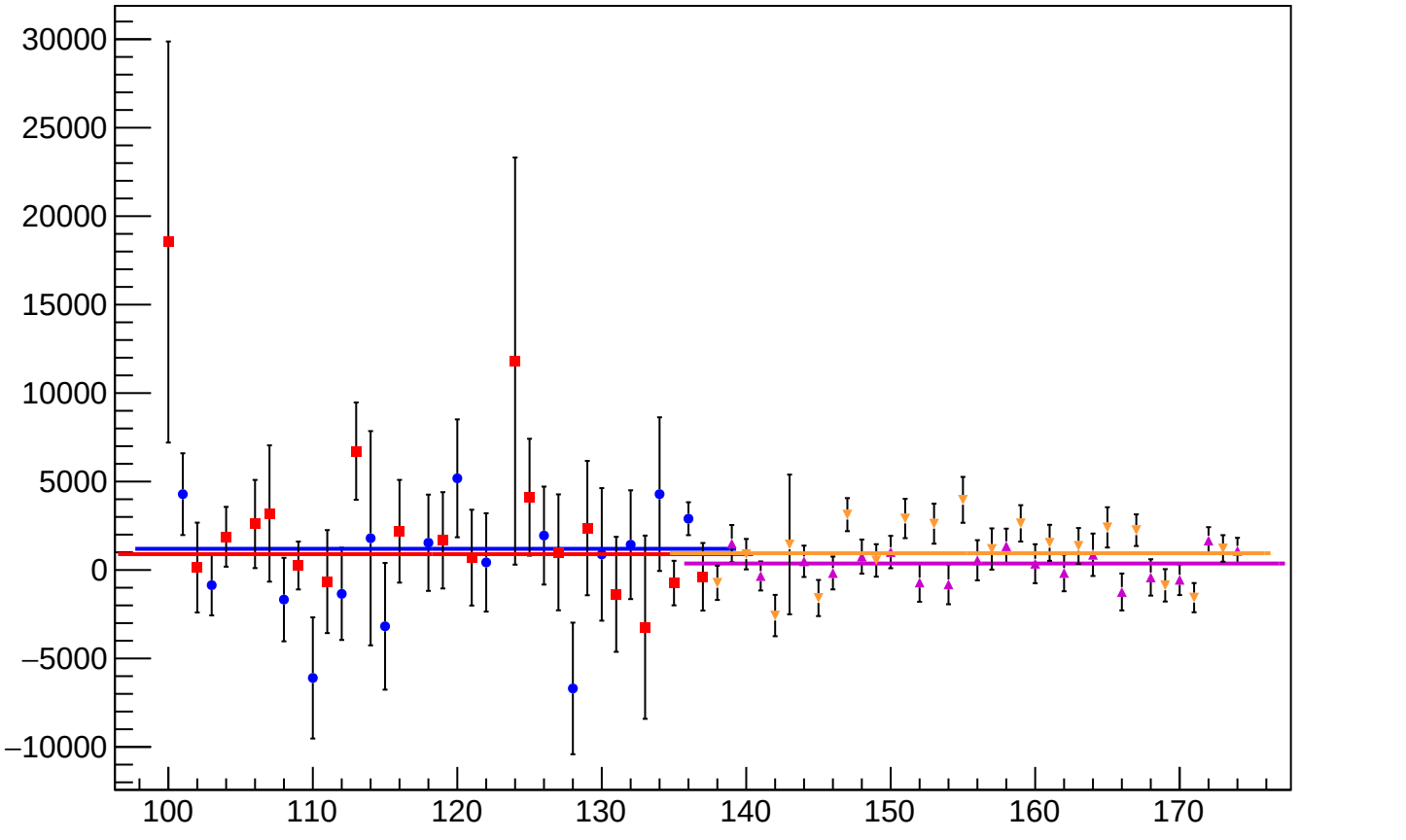
Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1724.094+/-0.317 χ^2/NDF:94124.0/17

+ sign 1701.795+/-0.258 χ^2/NDF: 858374.0/34

All: 1691.395+/-0.181 χ^2/NDF: 1433070.7/71

- sign 1681.268+/-0.254 χ^2/NDF: 571479.8/36



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 948.675+/-230.775 χ^2/NDF:54.9/18

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

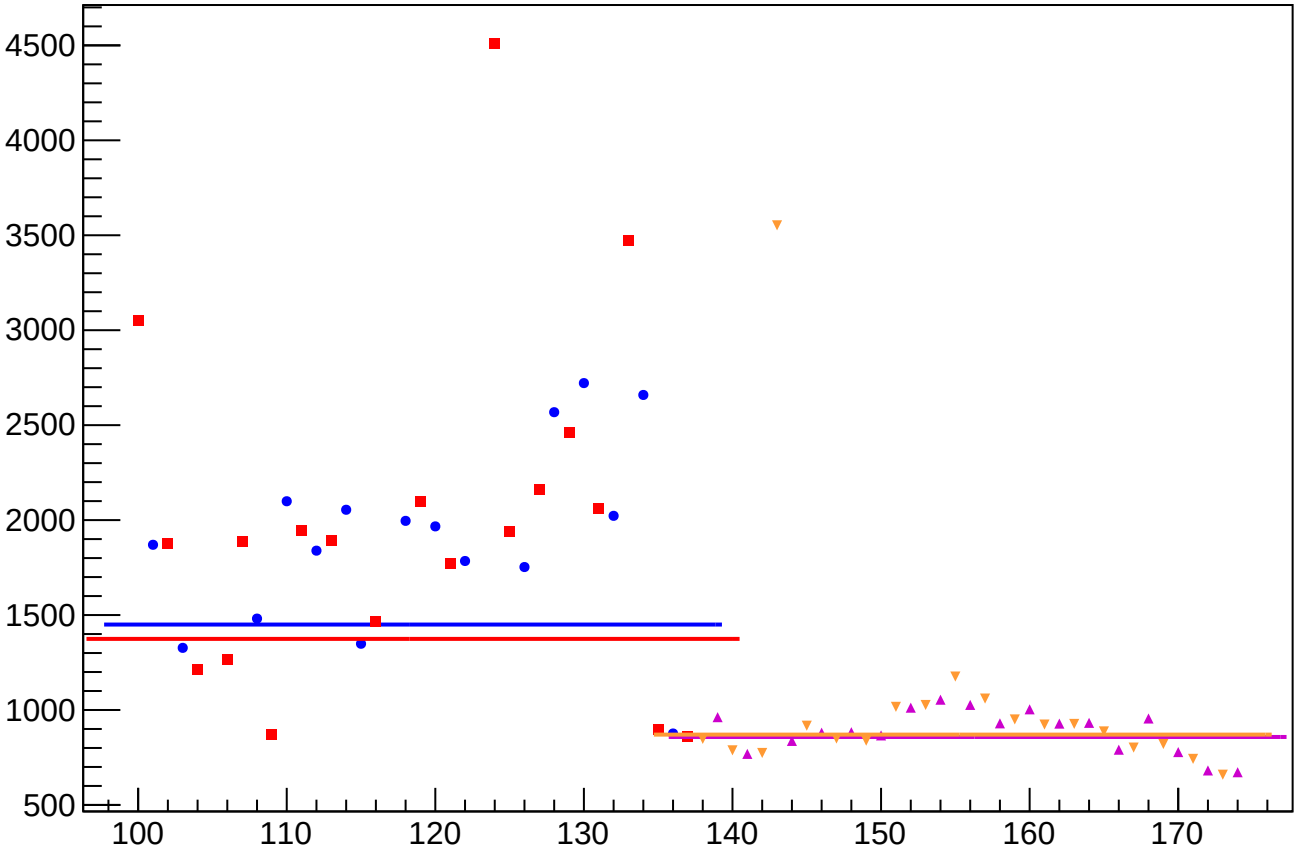
Left In: 367.235+/-224.962 χ^2/NDF:14.4/17

+ sign 982.978+/-214.336 χ^2/NDF: 76.8/34

All: 704.808+/-149.480 χ^2/NDF: 109.4/71

- 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: 870.316+/-0.163 χ^2/NDF:1449722.8/18

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

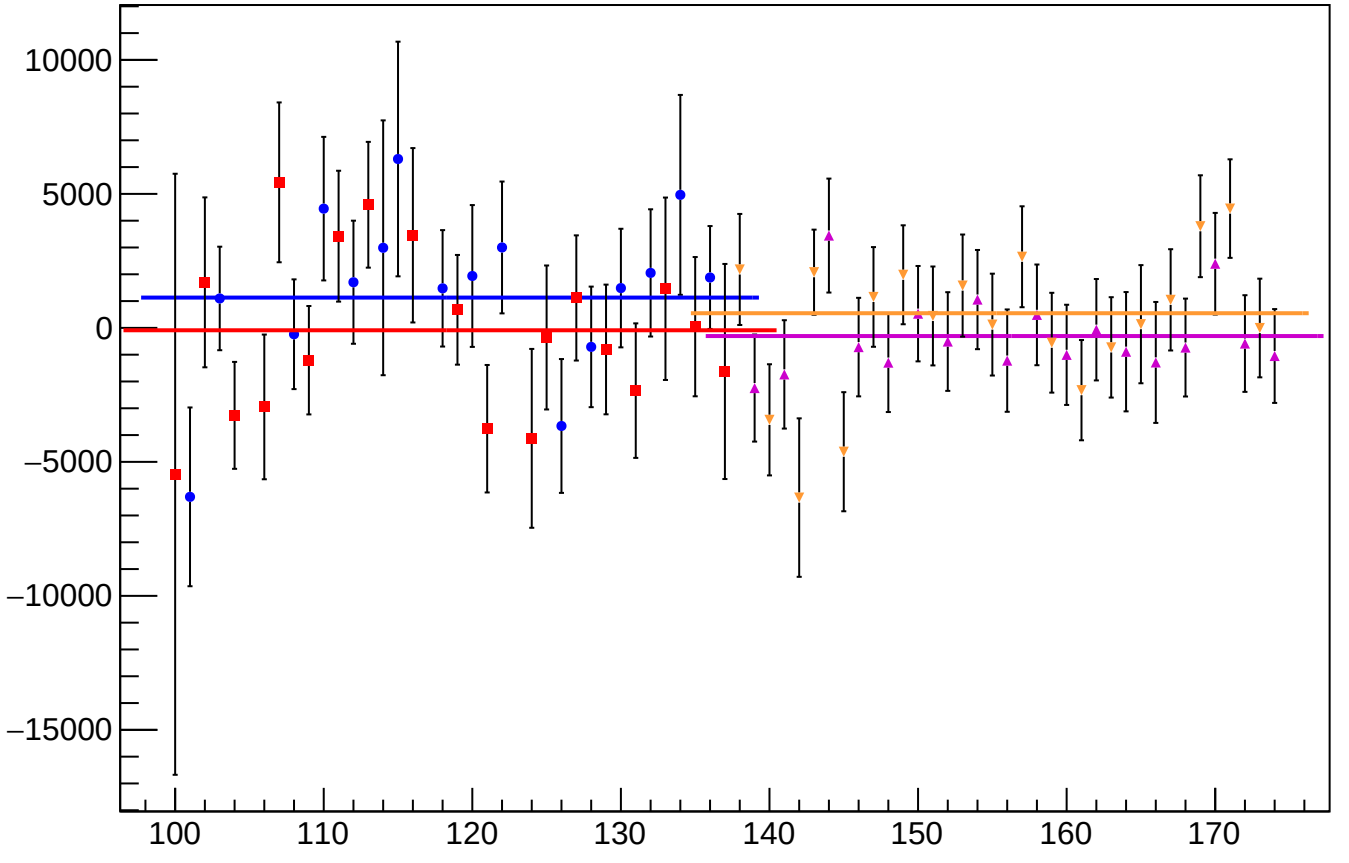
Left In: 857.927+/-0.159 χ^2/NDF:533636.9/17

+ sign 949.954+/-0.152 χ^2/NDF: 4975859.2/34

All: 939.931+/-0.106 χ^2/NDF: 9125842.8/71

- 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: 547.336+/-442.722 χ^2/NDF:29.2/18

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

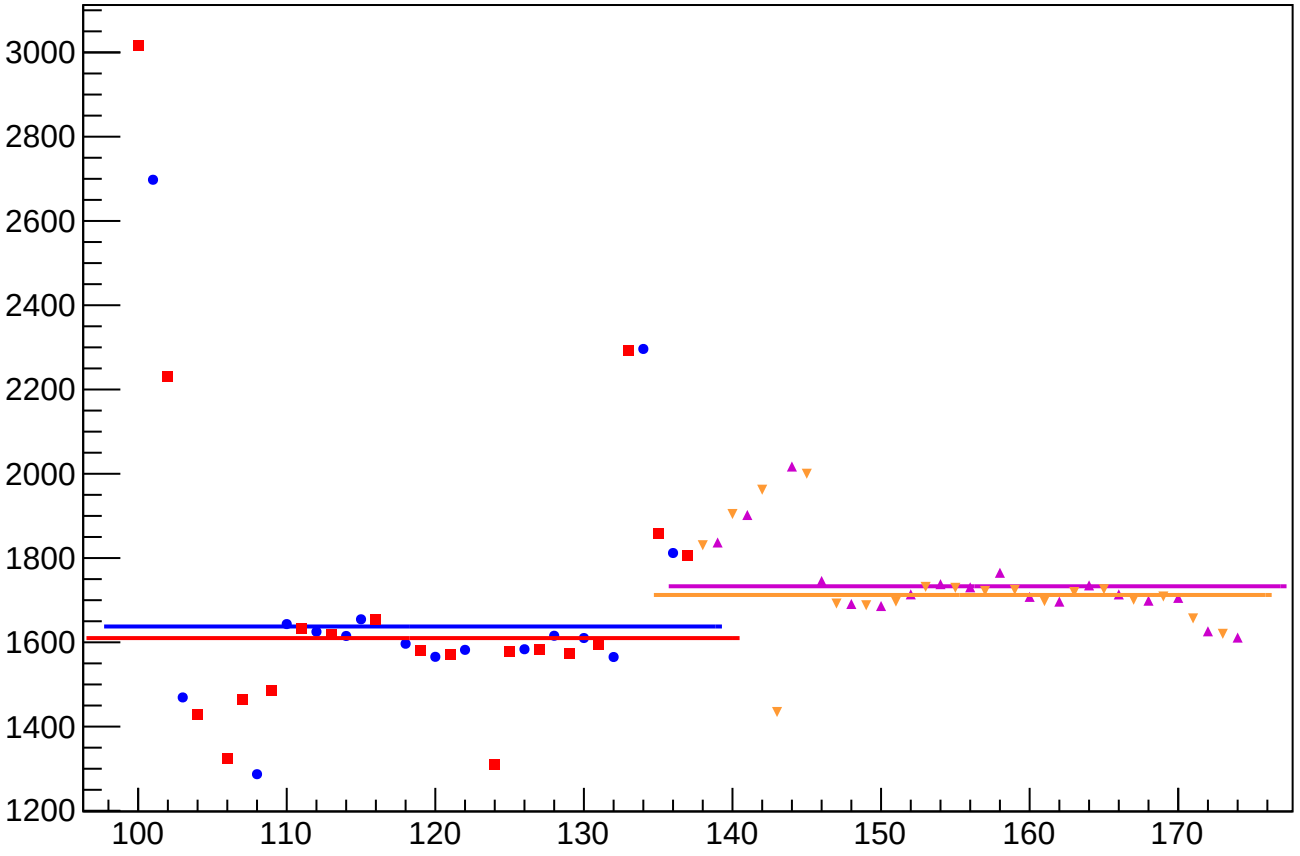
Left In: -304.774+/-449.843 χ^2/NDF:8.8/17

+ sign 745.516+/-359.750 χ^2/NDF: 44.7/34

All: 260.020+/-254.674 χ^2/NDF: 77.9/71

- 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: 1712.387+/-0.313 χ^2/NDF:141037.4/18

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

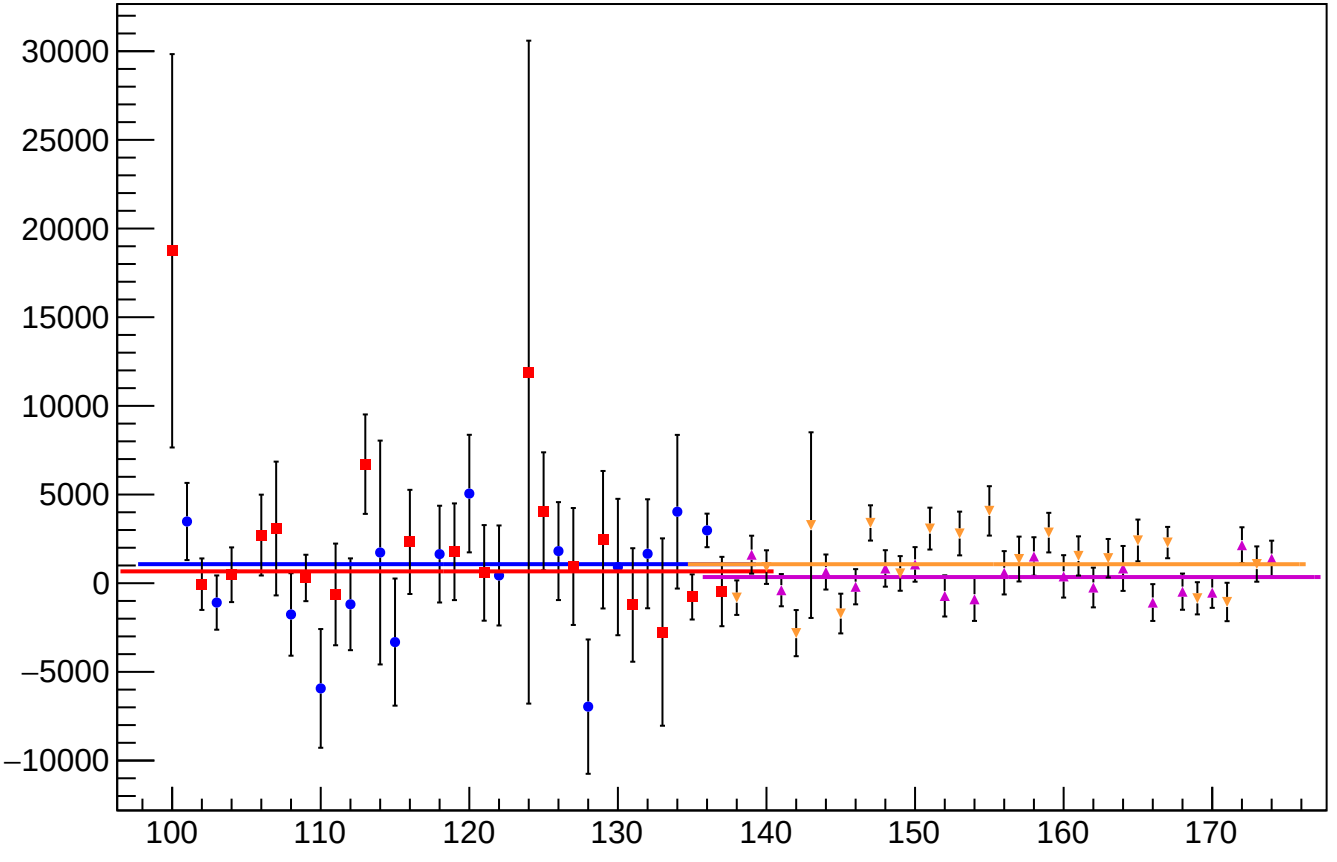
Left In: 1733.020+/-0.318 χ^2/NDF:77552.5/17

+ sign 1686.972+/-0.254 χ^2/NDF: 521855.1/34

All: 1688.012+/-0.180 χ^2/NDF: 933688.3/71

- 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: 1071.189+/-252.270 χ^2/NDF:48.8/18

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

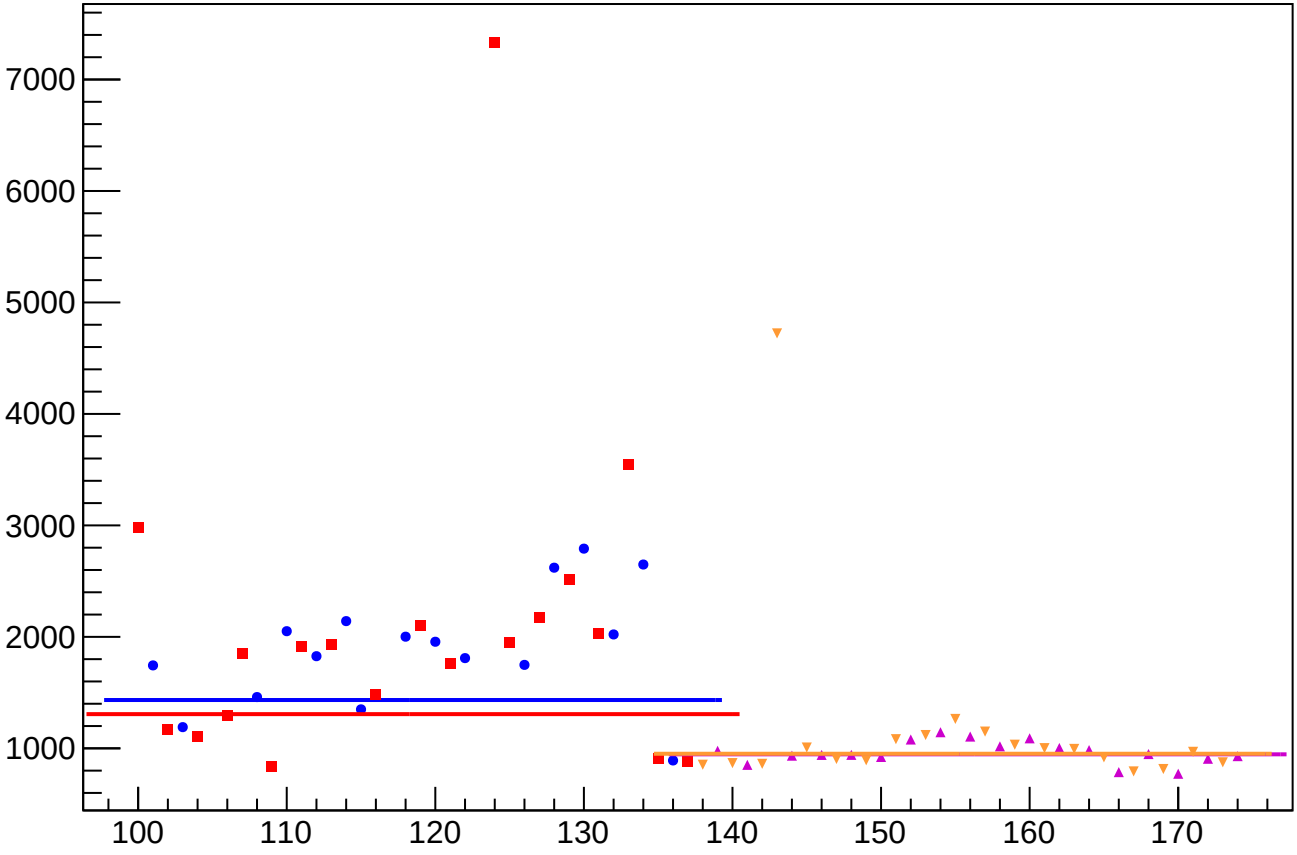
Left In: 347.314+/-247.133 χ^2/NDF:14.5/17

+ sign 1071.582+/-230.793 χ^2/NDF: 70.8/34

All: 727.936+/-160.548 χ^2/NDF: 103.5/71

- 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: 951.425+/-0.178 χ^2/NDF:1453354.4/18

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

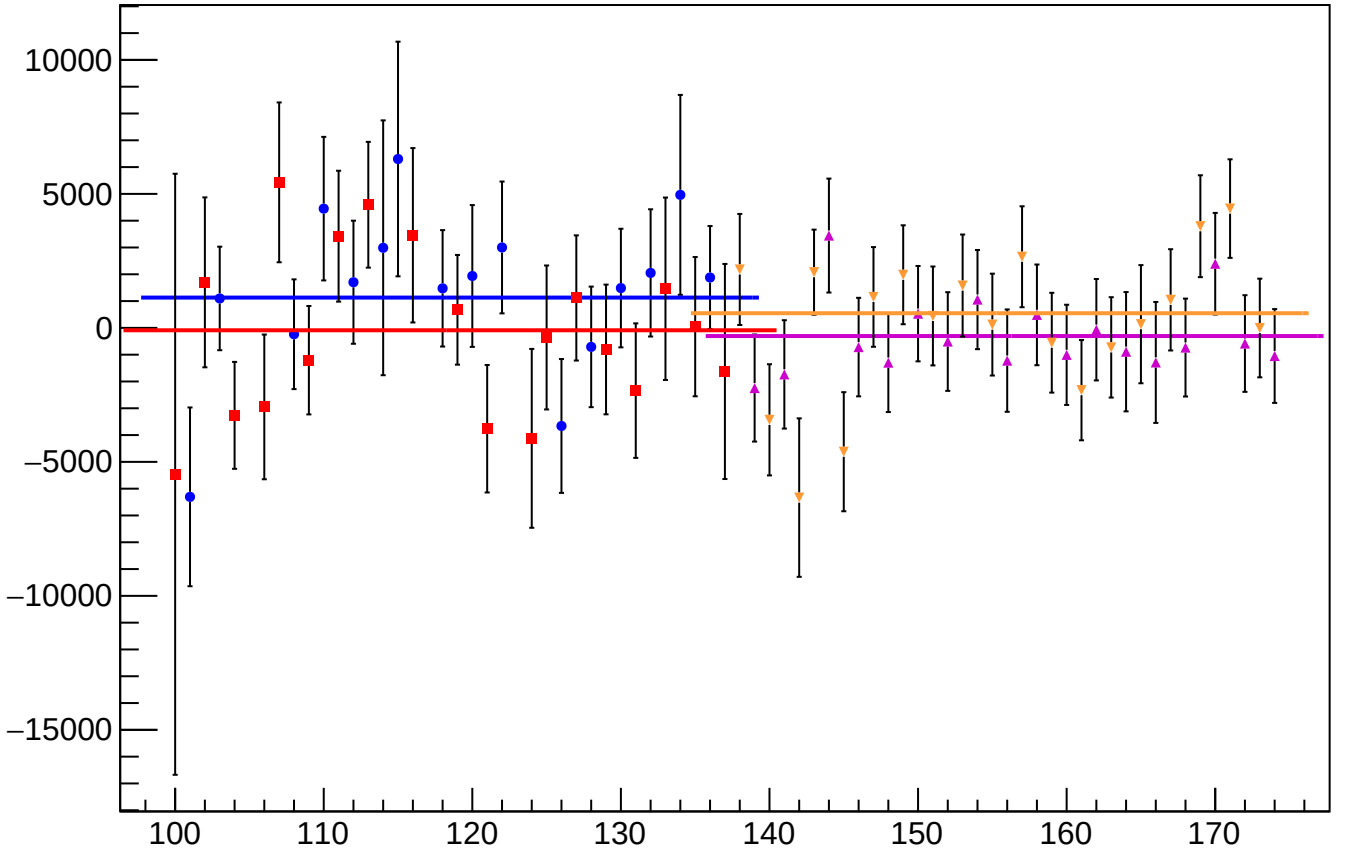
Left In: 946.295+/-0.175 χ^2/NDF:315372.4/17

+ sign 1030.011+/-0.163 χ^2/NDF: 4407355.9/34

All: 1020.721+/-0.114 χ^2/NDF: 7688863.3/71

- 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: 547.331+/-442.722 χ^2/NDF:29.2/18

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

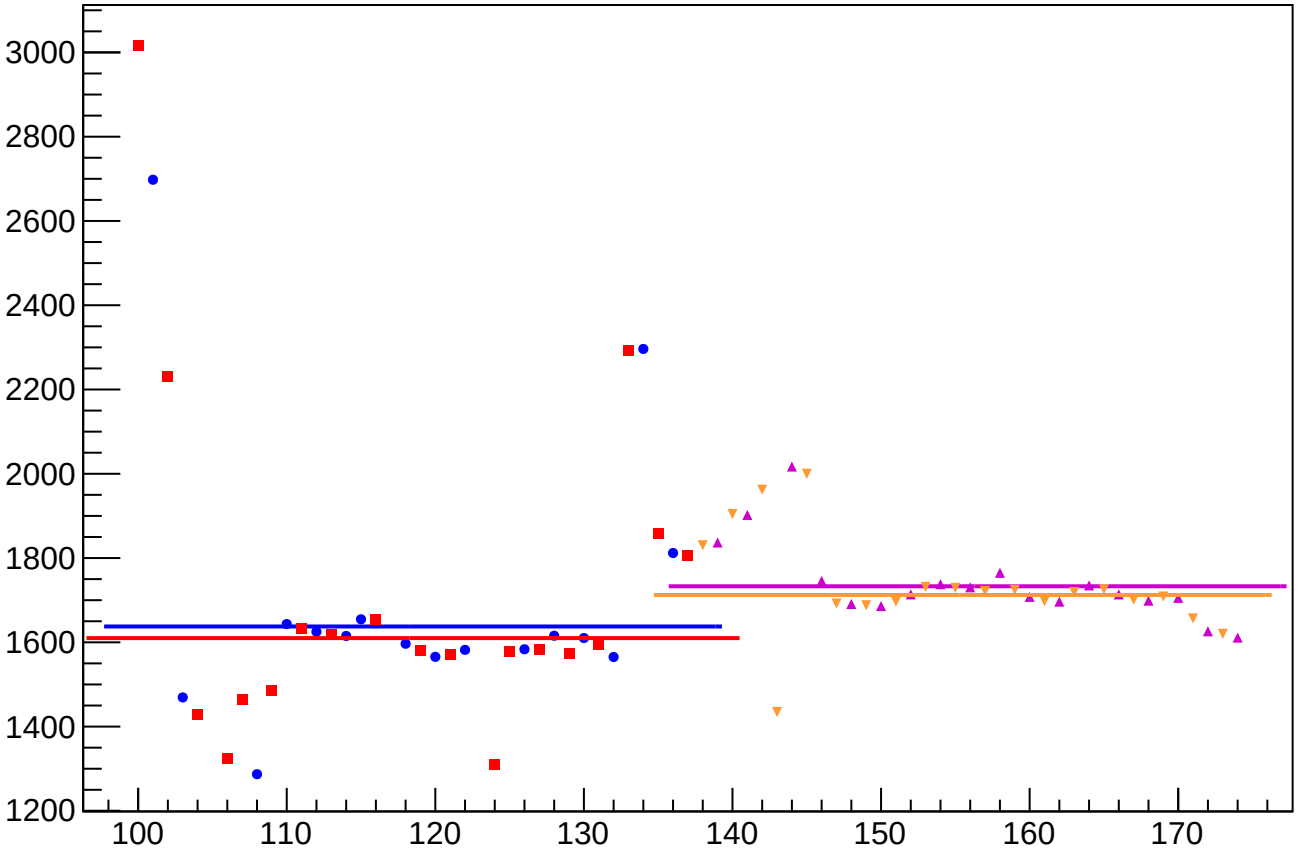
Left In: -304.775+/-449.843 χ^2/NDF:8.8/17

+ sign 745.512+/-359.750 χ^2/NDF: 44.7/34

All: 260.017+/-254.674 χ^2/NDF: 77.9/71

- 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: 1712.387+/-0.313 χ^2/NDF:141036.7/18

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

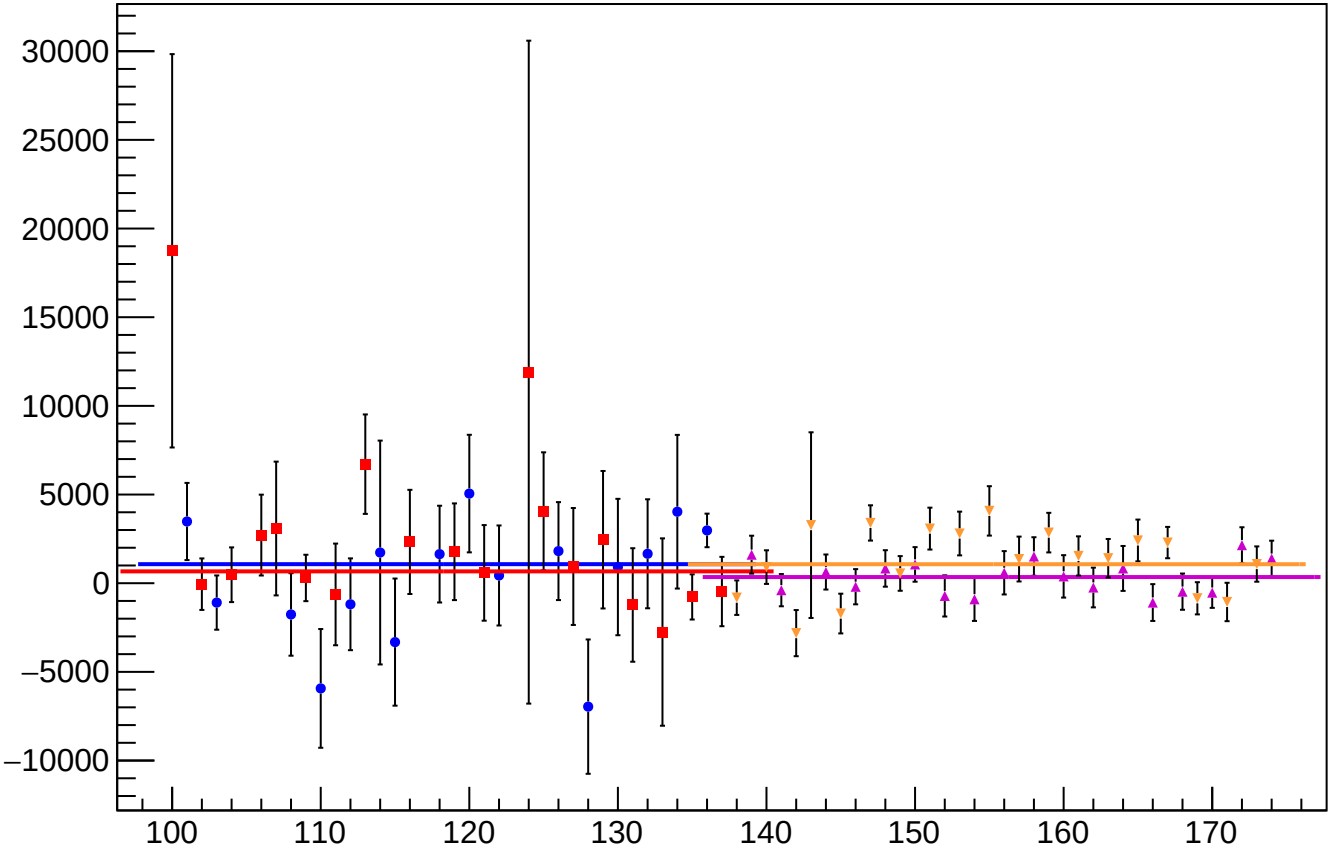
Left In: 1733.020+/-0.318 χ^2/NDF:77553.0/17

+ sign 1686.972+/-0.254 χ^2/NDF: 521854.3/34

All: 1688.012+/-0.180 χ^2/NDF: 933688.0/71

- 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: 1071.195+/-252.270 χ^2/NDF:48.8/18

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

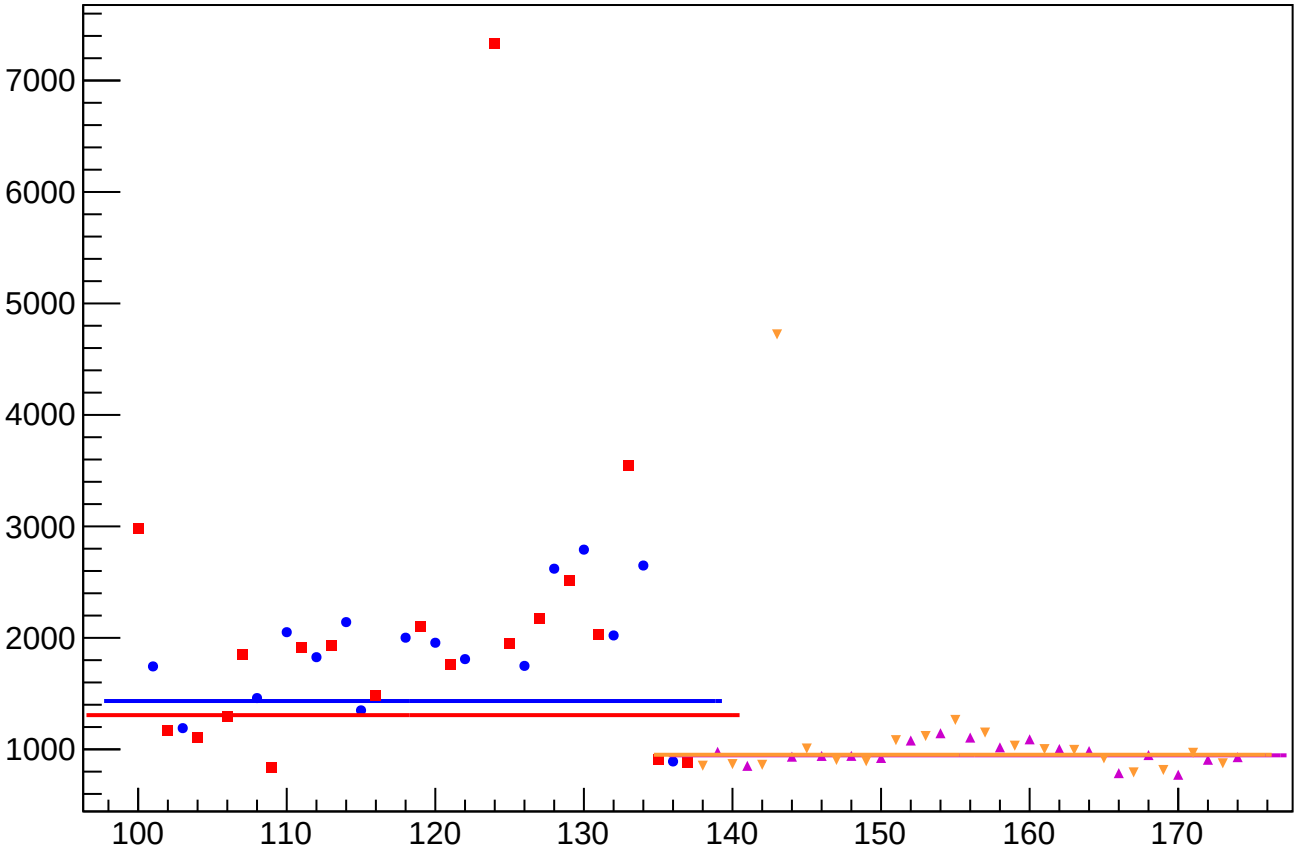
Left In: 347.311+/-247.133 χ^2/NDF:14.5/17

+ sign 1071.585+/-230.793 χ^2/NDF: 70.8/34

All: 727.936+/-160.548 χ^2/NDF: 103.5/71

- 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: 951.426+/-0.178 χ^2/NDF:1453340.2/18

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

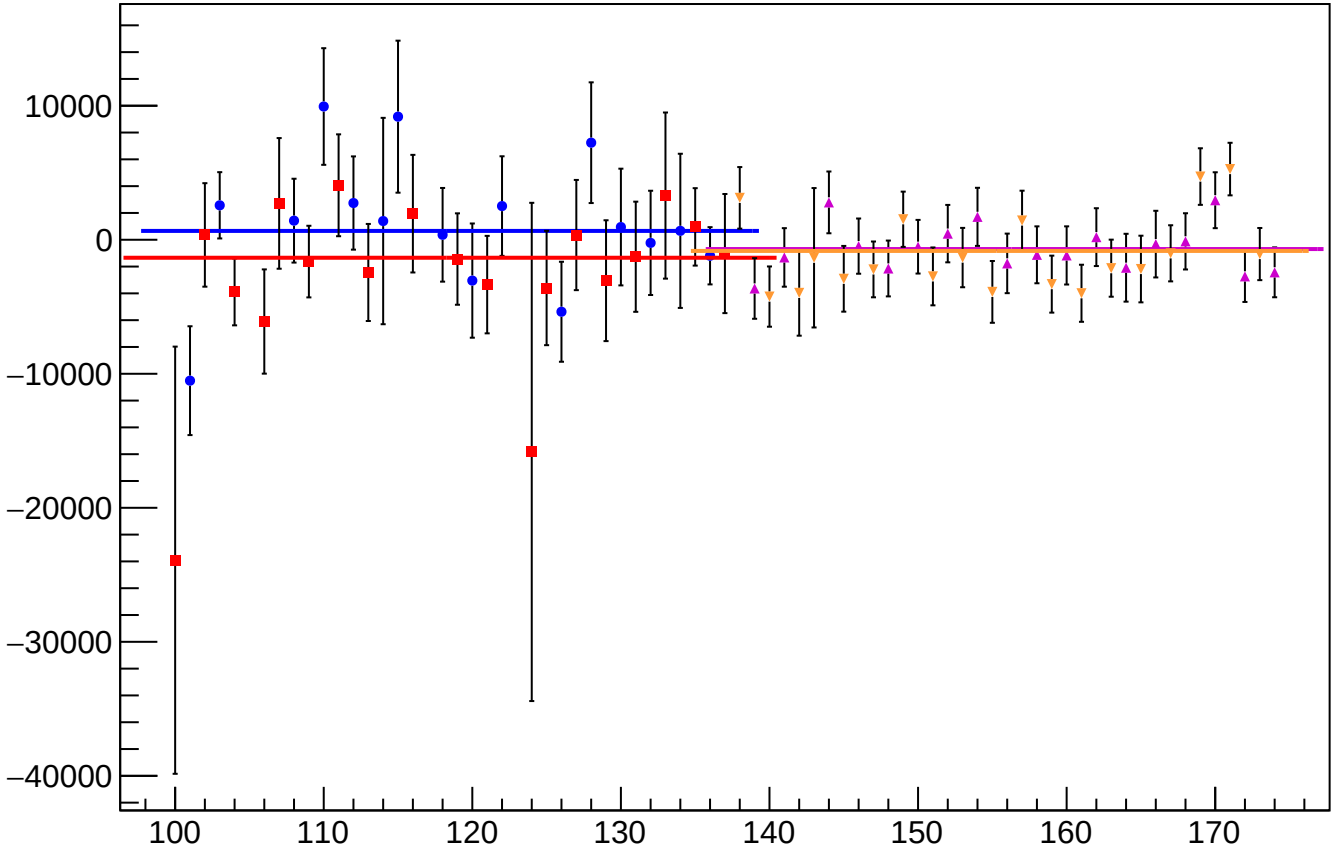
Left In: 946.294+/-0.175 χ^2/NDF:315376.8/17

+ sign 1030.013+/-0.163 χ^2/NDF: 4407304.2/34

All: 1020.723+/-0.114 χ^2/NDF: 7688797.1/71

- 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: -833.397+/-515.437 χ^2/NDF:33.2/18

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

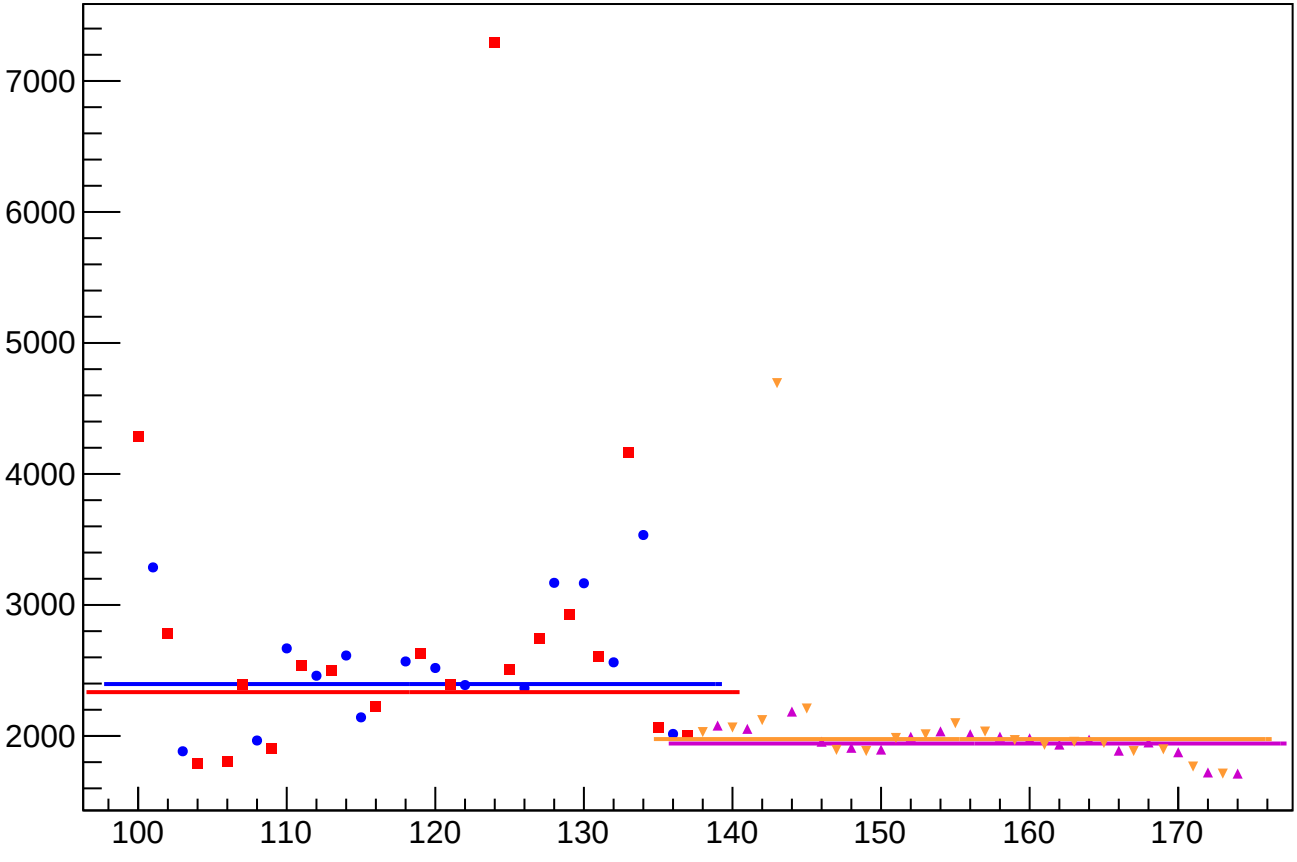
Left In: -693.460+/-504.442 χ^2/NDF:12.0/17

+ sign -470.527+/-448.439 χ^2/NDF: 57.2/34

All: -664.839+/-313.675 χ^2/NDF: 80.8/71

- 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: 1976.250+/-0.364 χ^2/NDF:654165.9/18

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

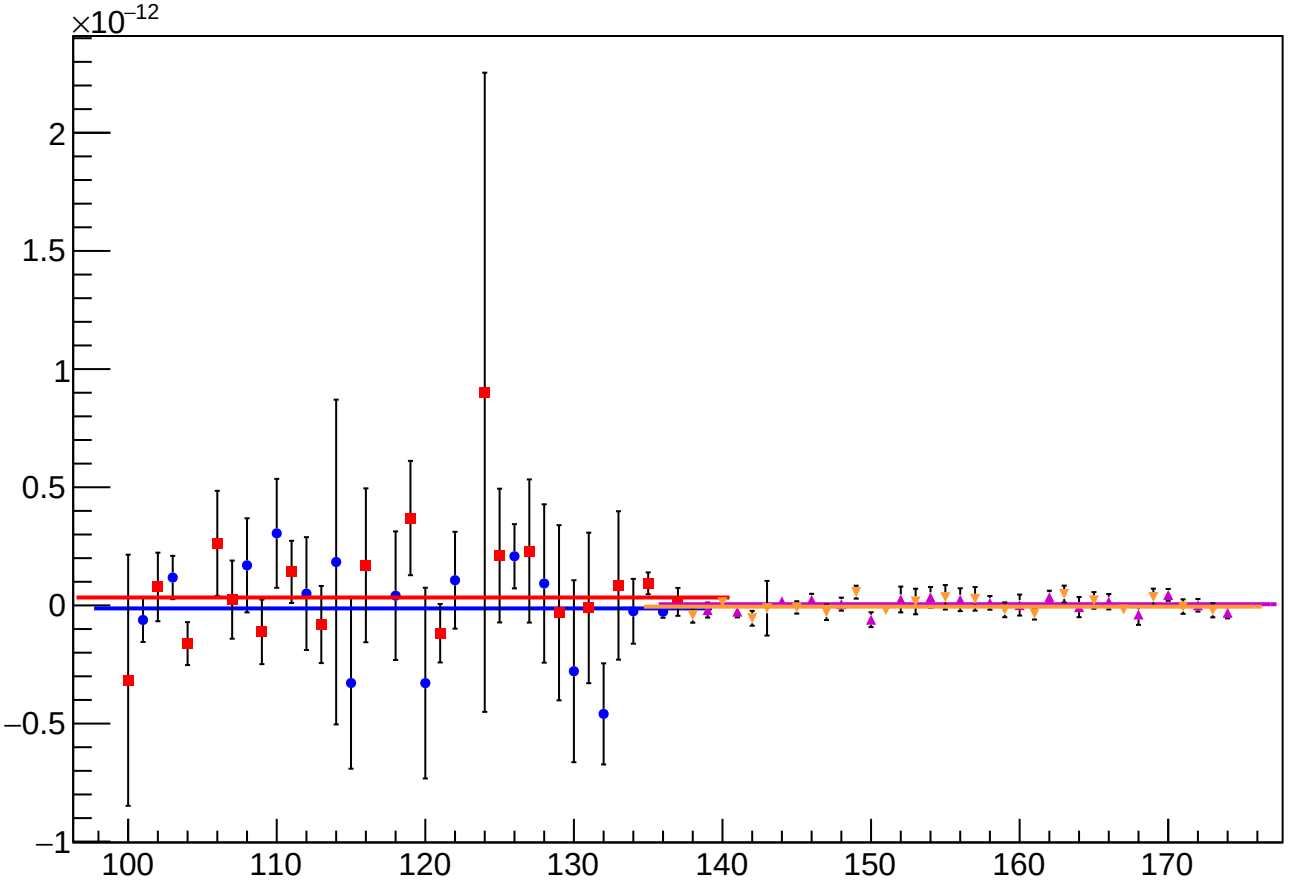
Left In: 1942.304+/-0.357 χ^2/NDF:105915.1/17

+ sign 2078.346+/-0.317 χ^2/NDF: 1484886.8/34

All: 2057.533+/-0.222 χ^2/NDF: 2574609.8/71

- 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:18.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

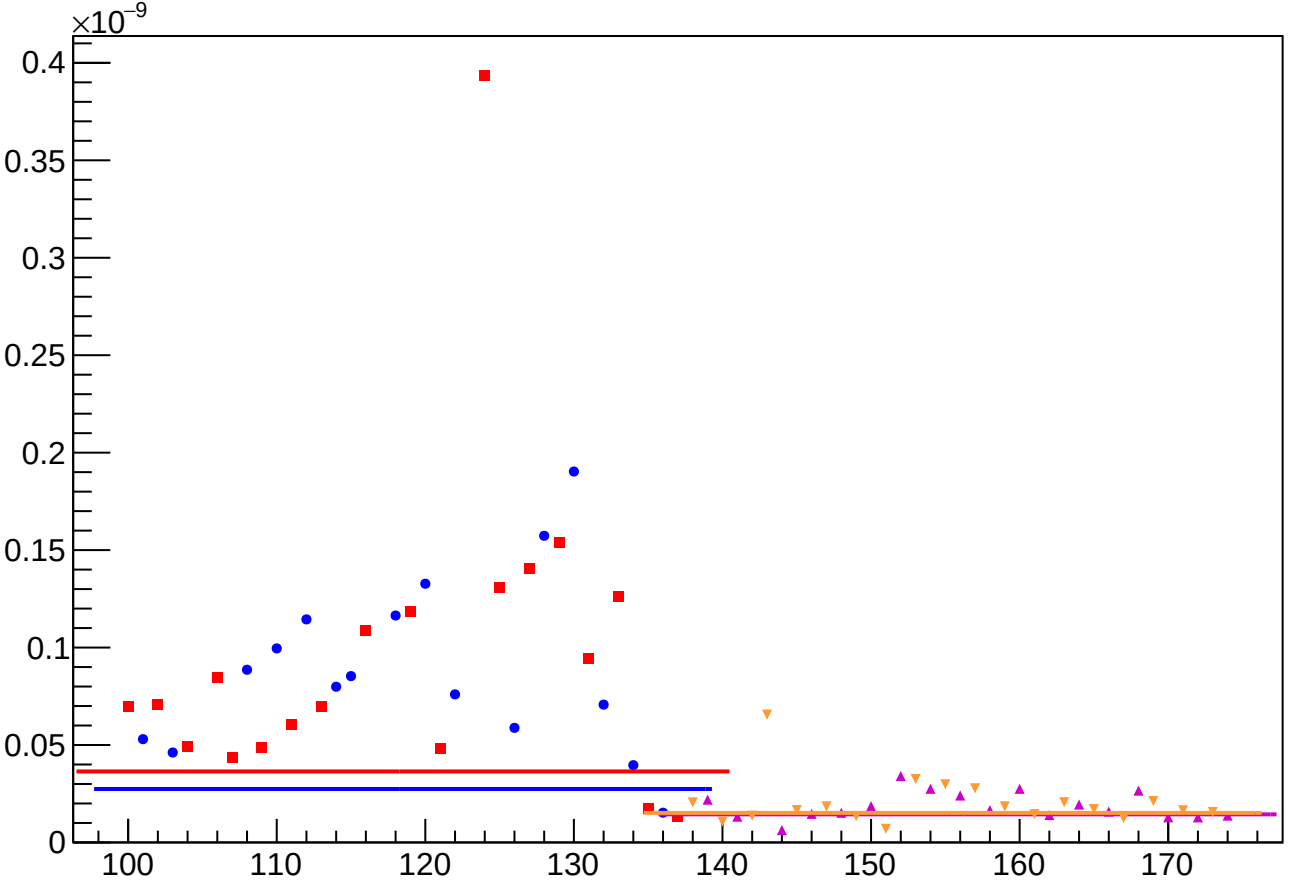
Left In: 0.000+/-0.000 χ^2/NDF:15.8/17

+ sign -0.000+/-0.000 χ^2/NDF: 33.5/34

All: 0.000+/-0.000 χ^2/NDF: 67.3/71

- 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:1643084.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

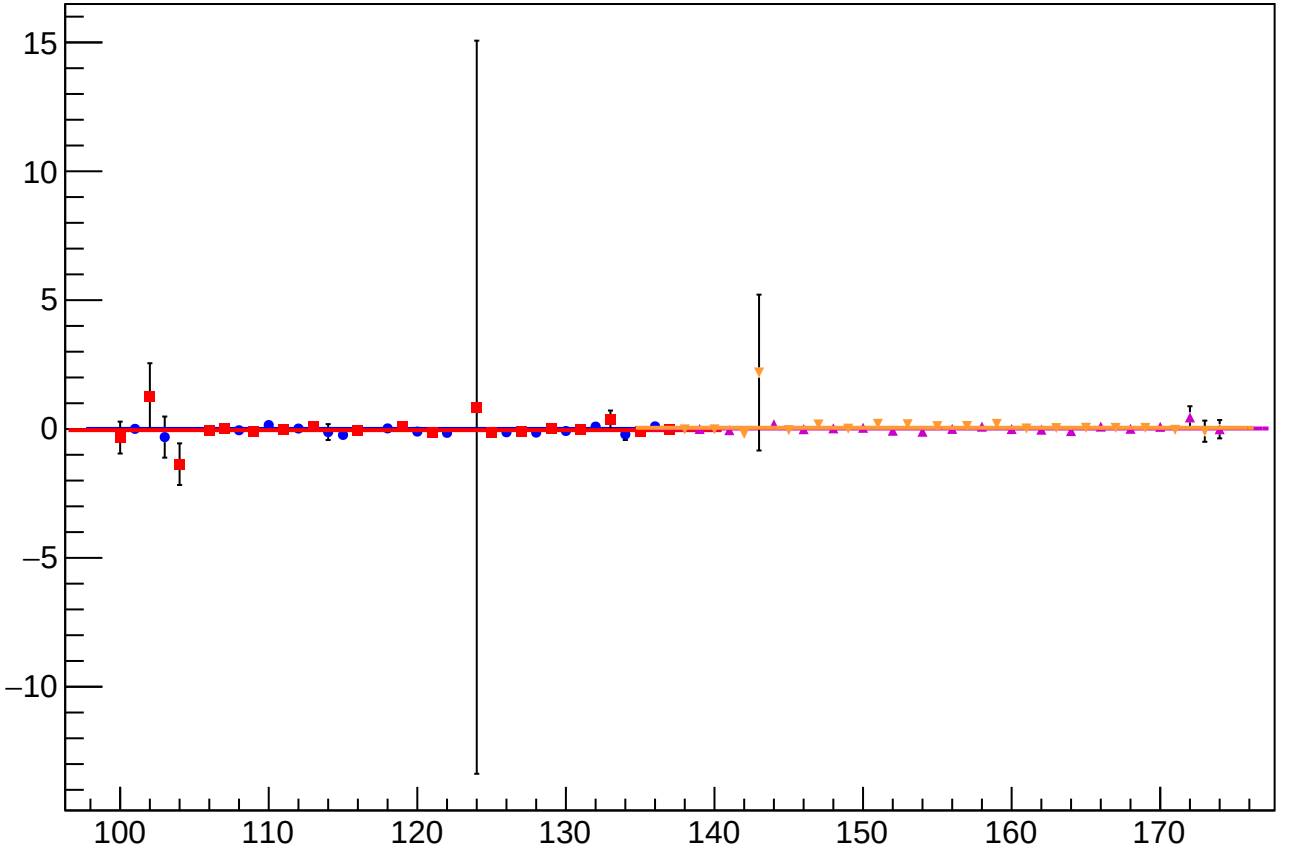
Left In: 0.000+/-0.000 χ^2/NDF:1738616.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 4930076.5/34

All: 0.000+/-0.000 χ^2/NDF: 10293755.7/71

- 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:19.9/18

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

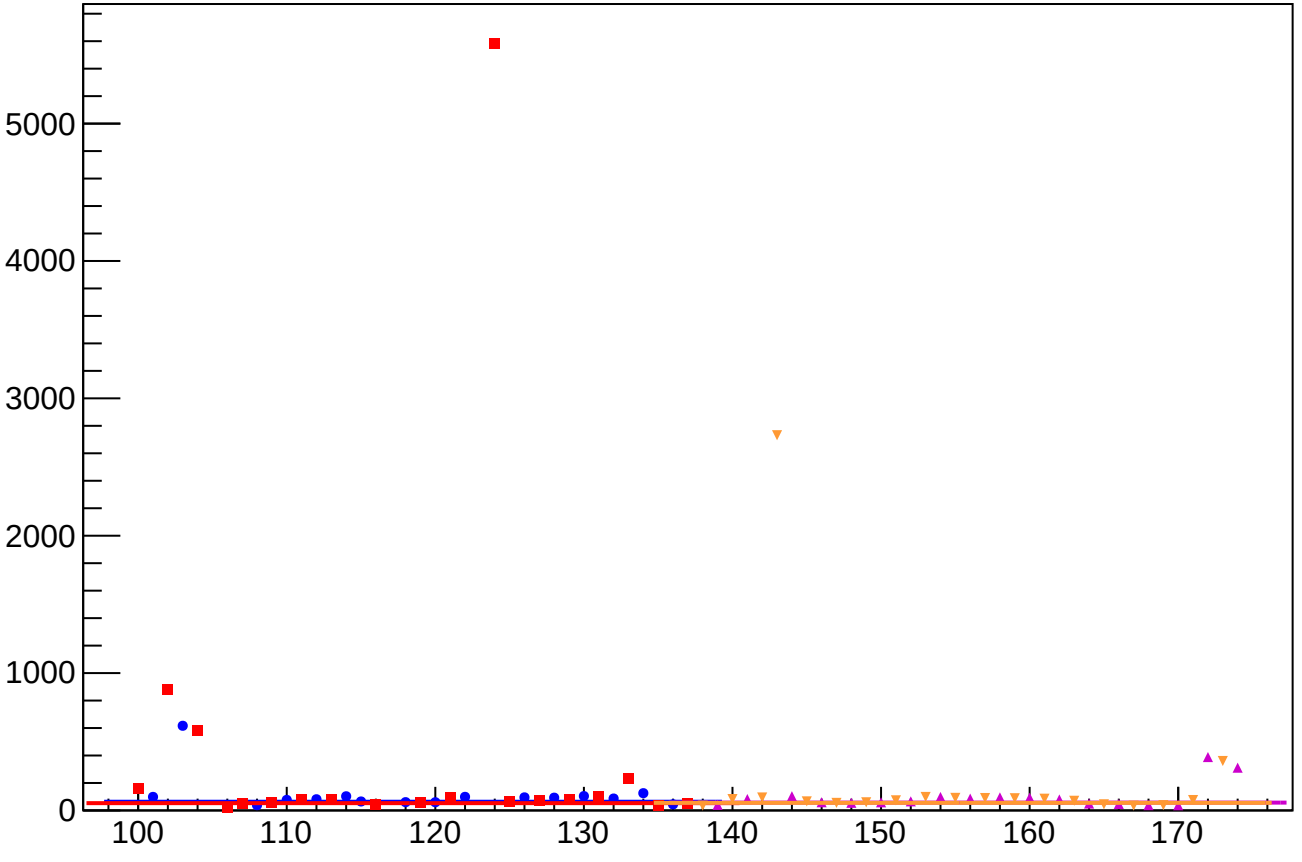
Left In: 0.020+/-0.017 χ^2/NDF:12.8/17

+ sign 0.036+/-0.014 χ^2/NDF: 35.2/34

All: 0.017+/-0.010 χ^2/NDF: 68.3/71

- 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: 55.374+/-0.012 χ^2/NDF:5648384.5/18

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

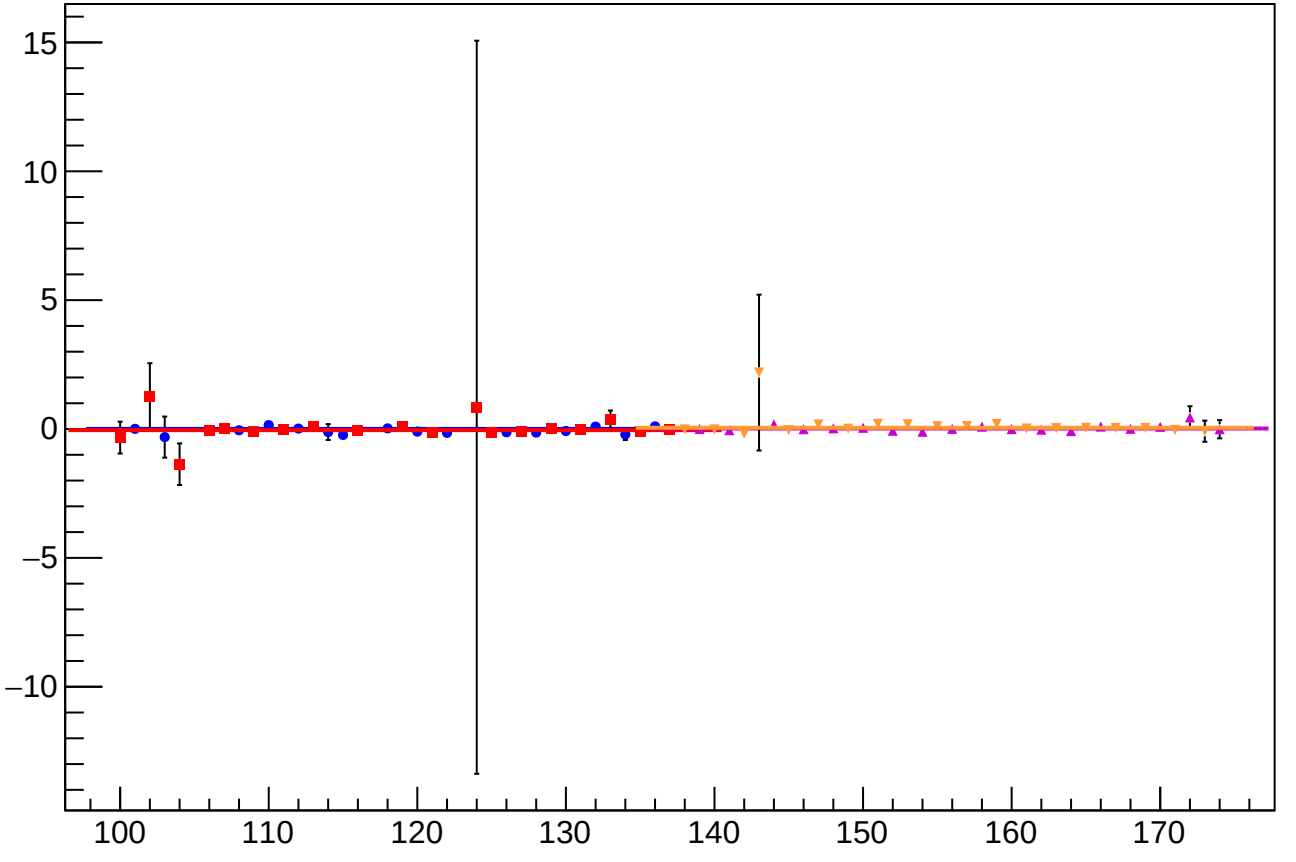
Left In: 57.095+/-0.012 χ^2/NDF:4864225.8/17

+ sign 57.654+/-0.010 χ^2/NDF: 8220206.6/34

All: 56.725+/-0.007 χ^2/NDF: 17079544.1/71

- 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:19.9/18

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

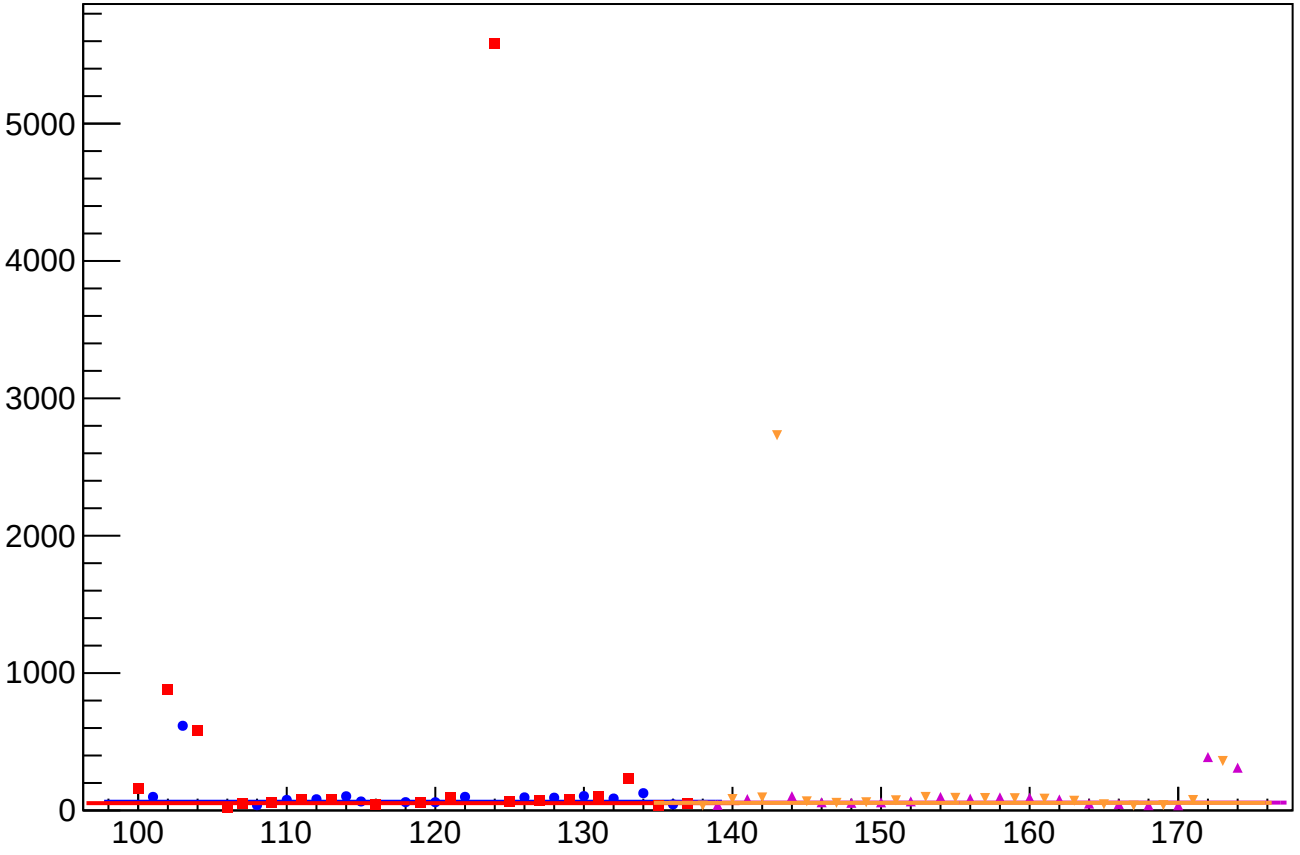
Left In: 0.020+/-0.017 χ^2/NDF:12.8/17

+ sign 0.036+/-0.014 χ^2/NDF: 35.2/34

All: 0.017+/-0.010 χ^2/NDF: 68.3/71

- 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: 55.374+/-0.012 χ^2/NDF:5648384.5/18

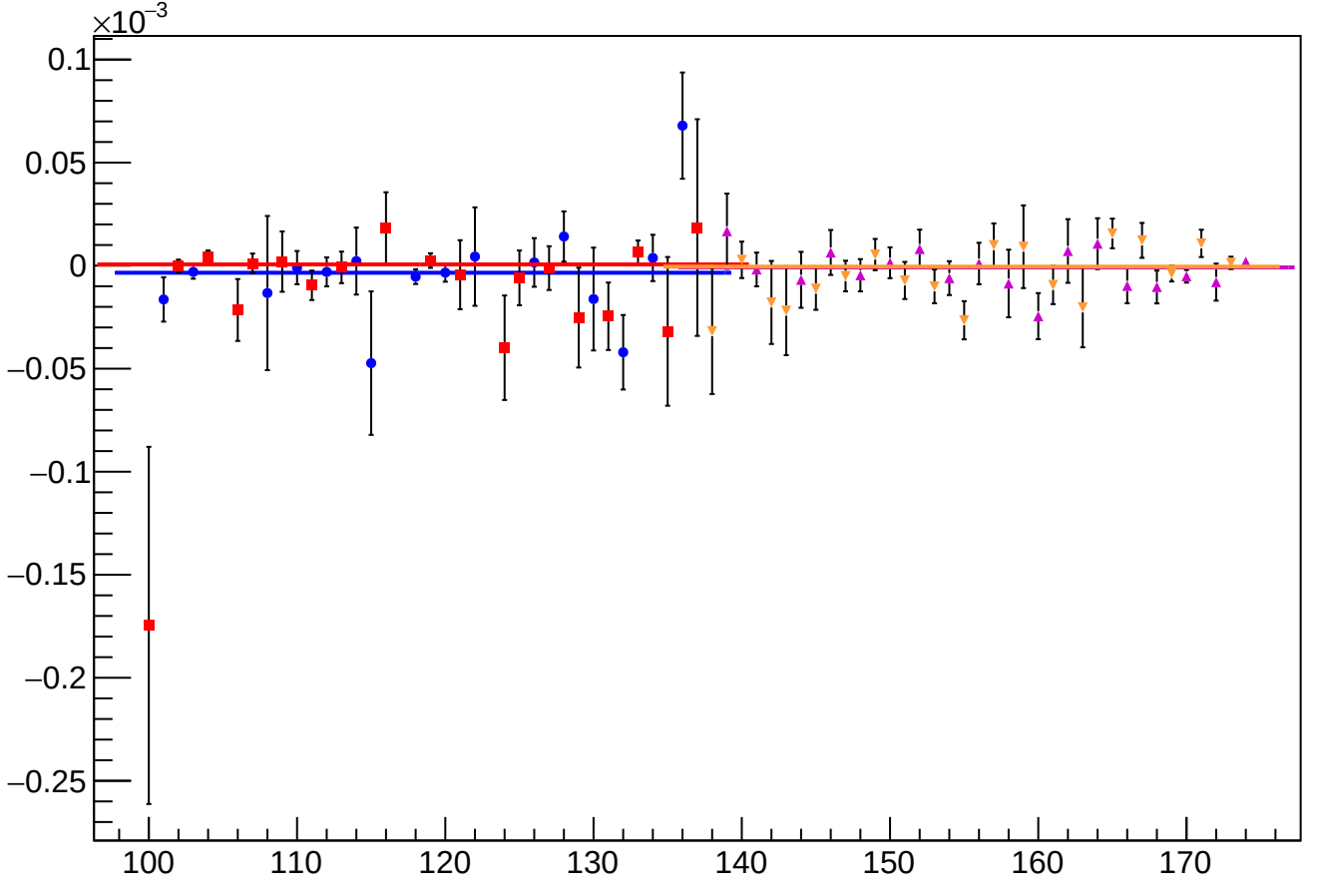
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.095+/-0.012 χ^2/NDF:4864225.8/17

+ sign 57.654+/-0.010 χ^2/NDF: 8220206.6/34

All: 56.725+/-0.007 χ^2/NDF: 17079544.1/71

- 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:29.3/18

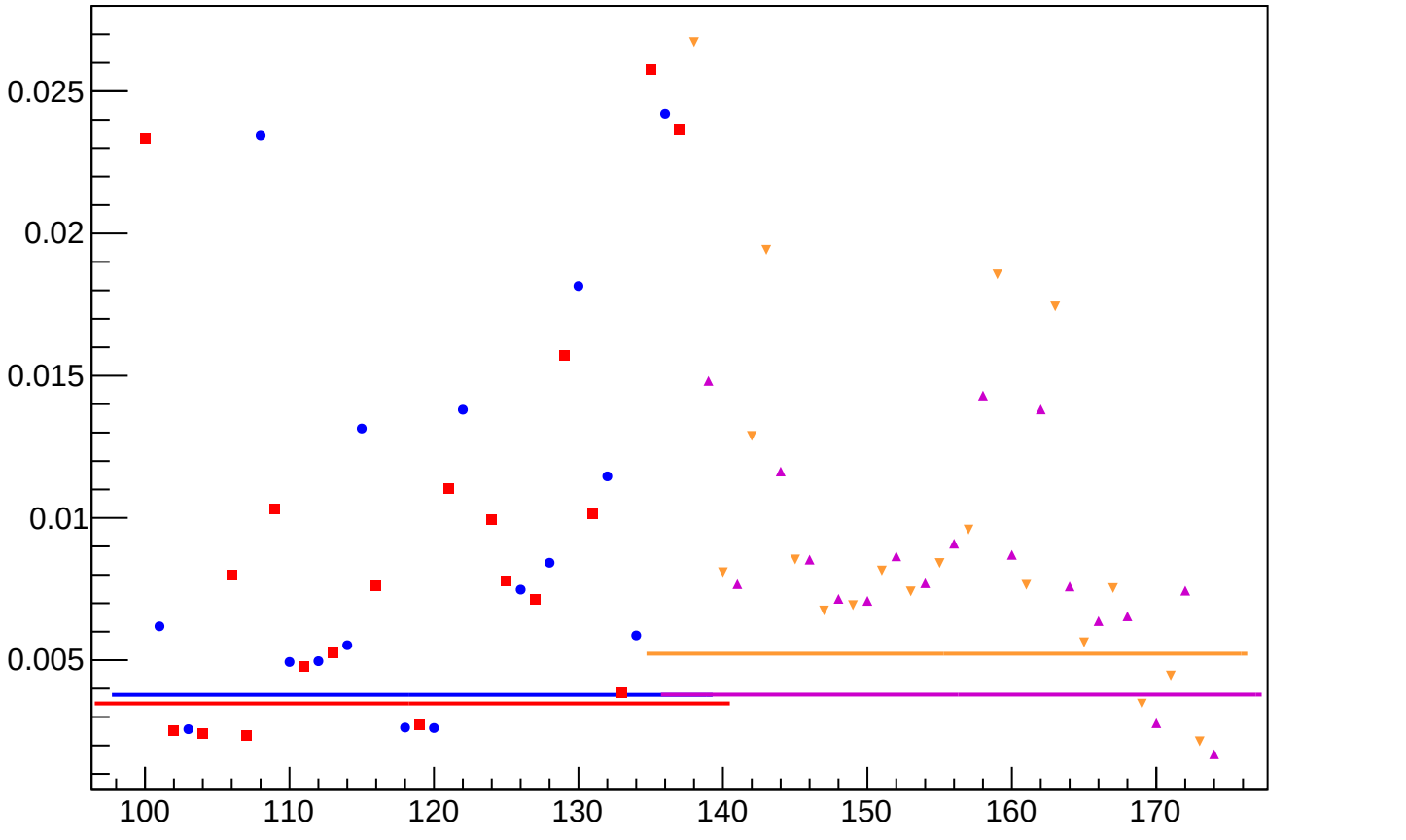
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:16.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 49.6/34

All: -0.000+/-0.000 χ^2/NDF: 86.7/71

- sign -0.000+/-0.000 χ^2/NDF: 36.1/36



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.005+/-0.000 χ^2/NDF:8198796.1/18

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

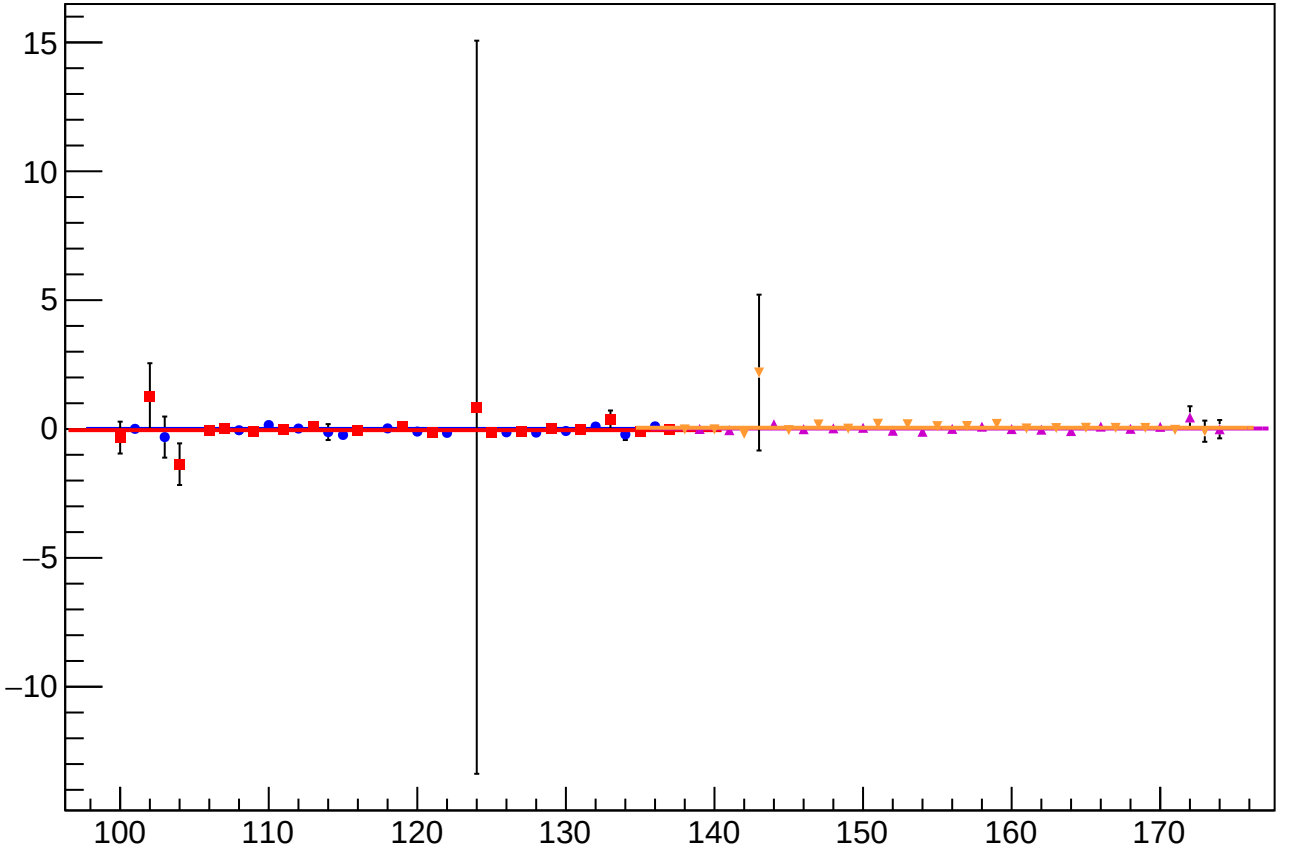
Left In: 0.004+/-0.000 χ^2/NDF:10330843.4/17

+ sign 0.005+/-0.000 χ^2/NDF: 13602756.0/34

All: 0.004+/-0.000 χ^2/NDF: 29139397.2/71

- sign 0.004+/-0.000 χ^2/NDF: 14873254.7/36

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/18

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

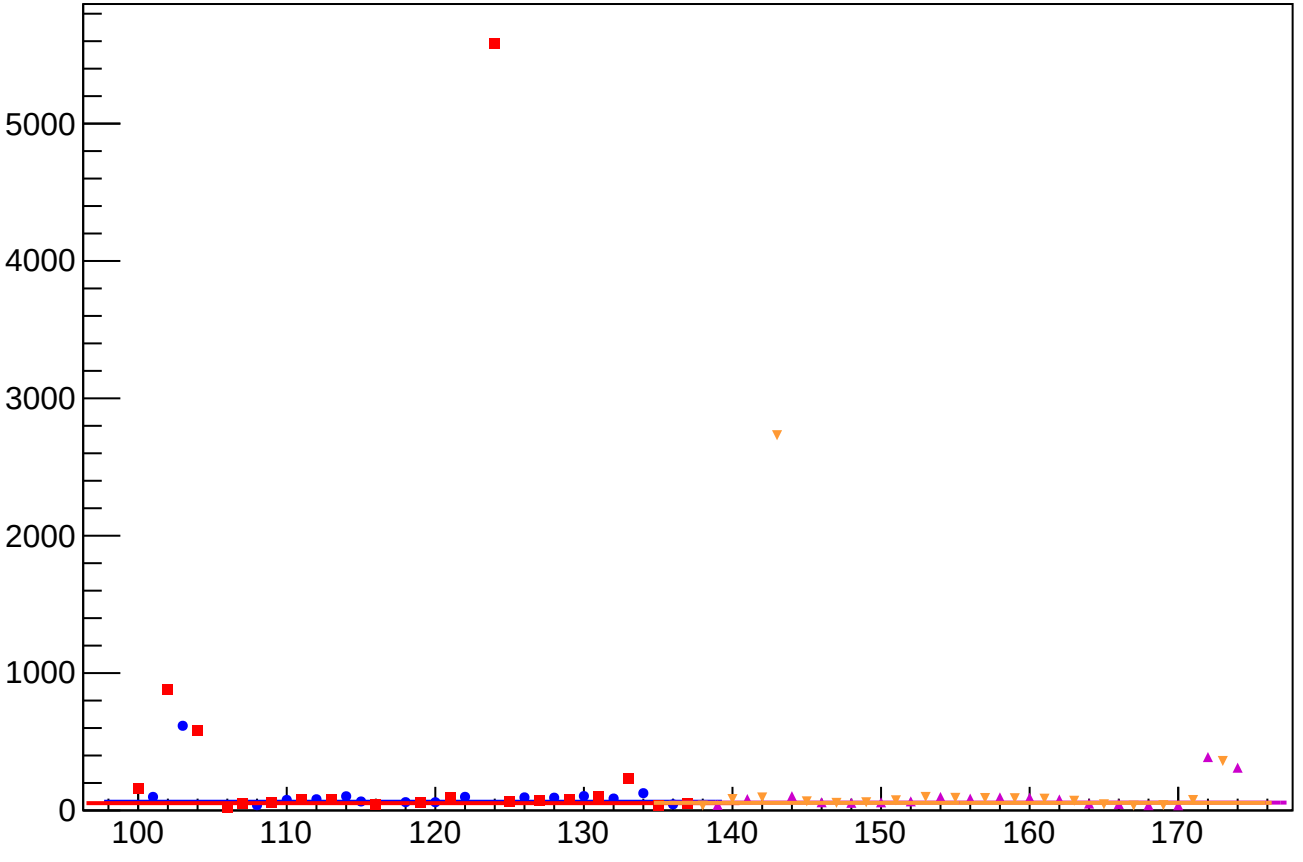
Left In: 0.020+/-0.017 χ^2/NDF:12.8/17

+ sign 0.036+/-0.014 χ^2/NDF: 35.2/34

All: 0.017+/-0.010 χ^2/NDF: 68.3/71

- 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: 55.372+/-0.012 χ^2/NDF:5648104.4/18

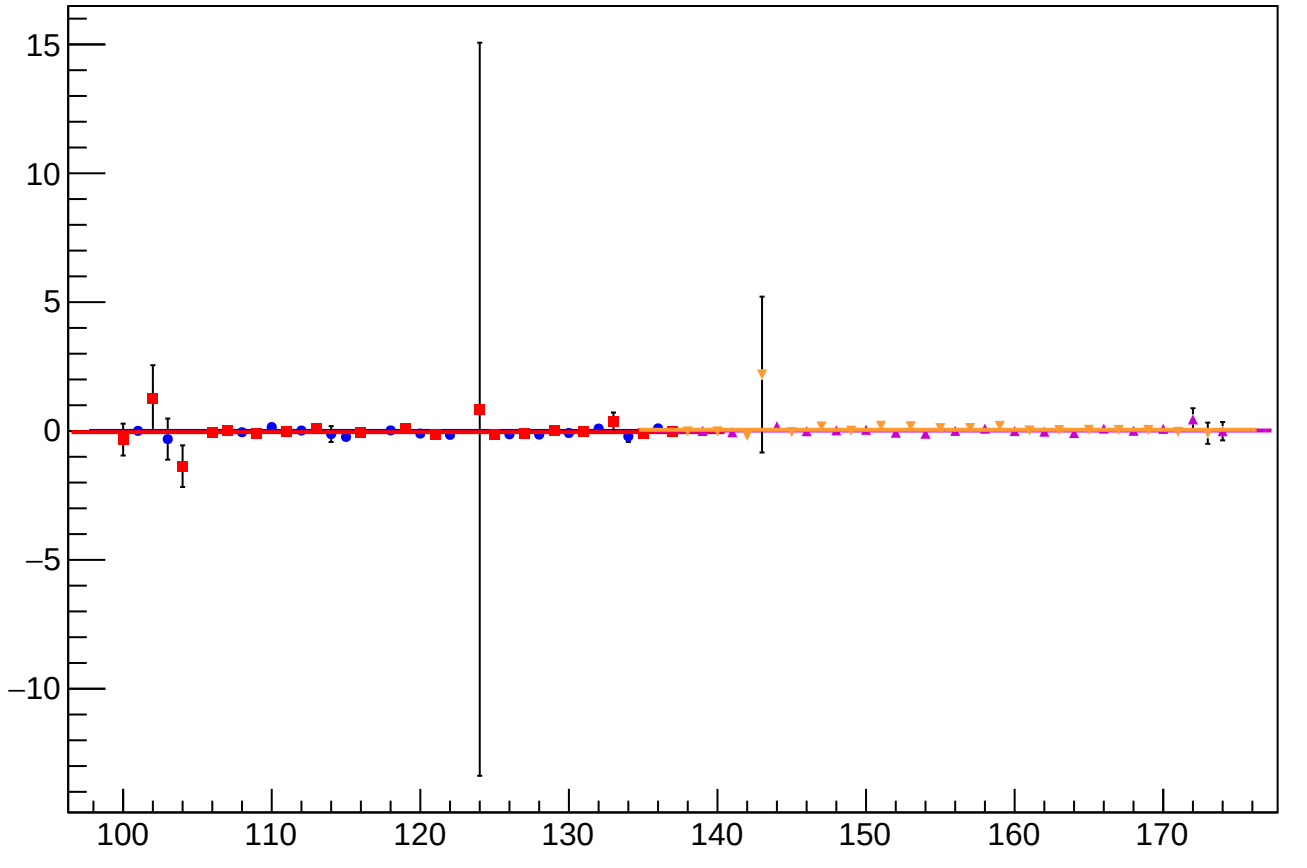
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.097+/-0.012 χ^2/NDF:4863764.9/17

+ sign 57.656+/-0.010 χ^2/NDF: 8219325.9/34

All: 56.725+/-0.007 χ^2/NDF: 17078908.4/71

- 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:19.9/18

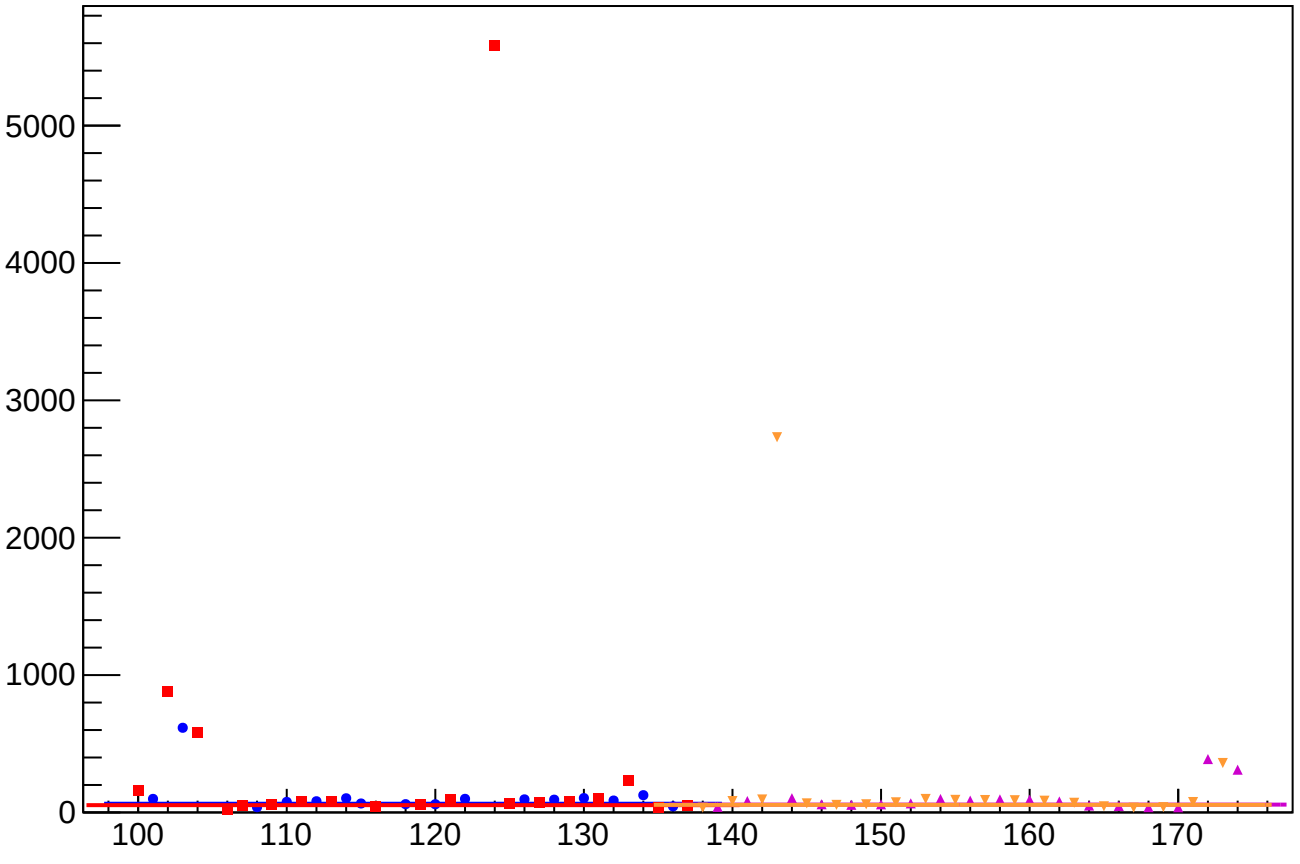
Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.020+/-0.017 χ^2/NDF:12.8/17

+ sign 0.036+/-0.014 χ^2/NDF: 35.2/34

All: 0.017+/-0.010 χ^2/NDF: 68.3/71

- sign -0.001+/-0.014 χ^2/NDF: 29.9/36



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 55.372+/-0.012 χ^2/NDF:5648104.4/18

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

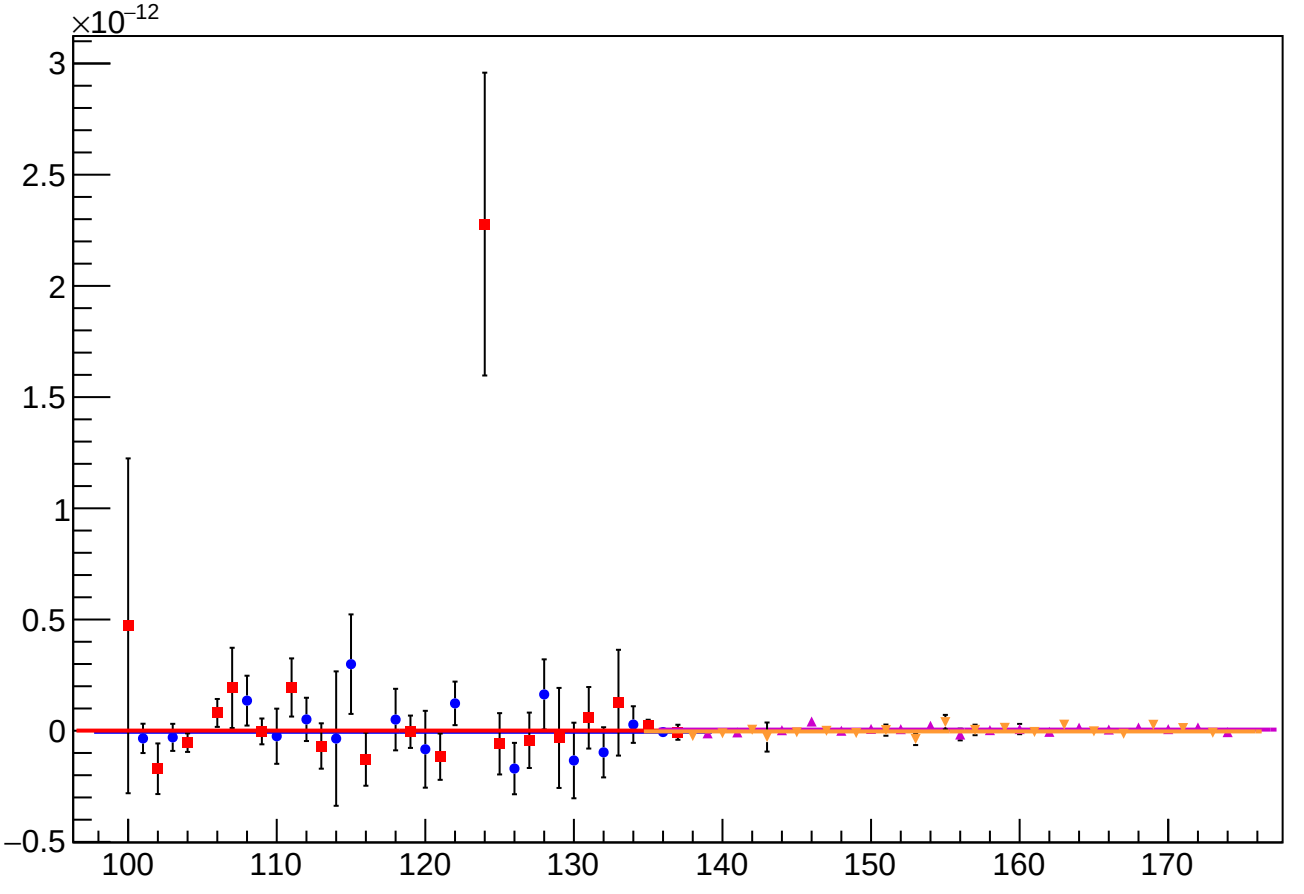
Left In: 57.097+/-0.012 χ^2/NDF:4863764.9/17

\+ sign 57.656+/-0.010 χ^2/NDF: 8219325.9/34

All: 56.725+/-0.007 χ^2/NDF: 17078908.4/71

\- 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:13.6/18

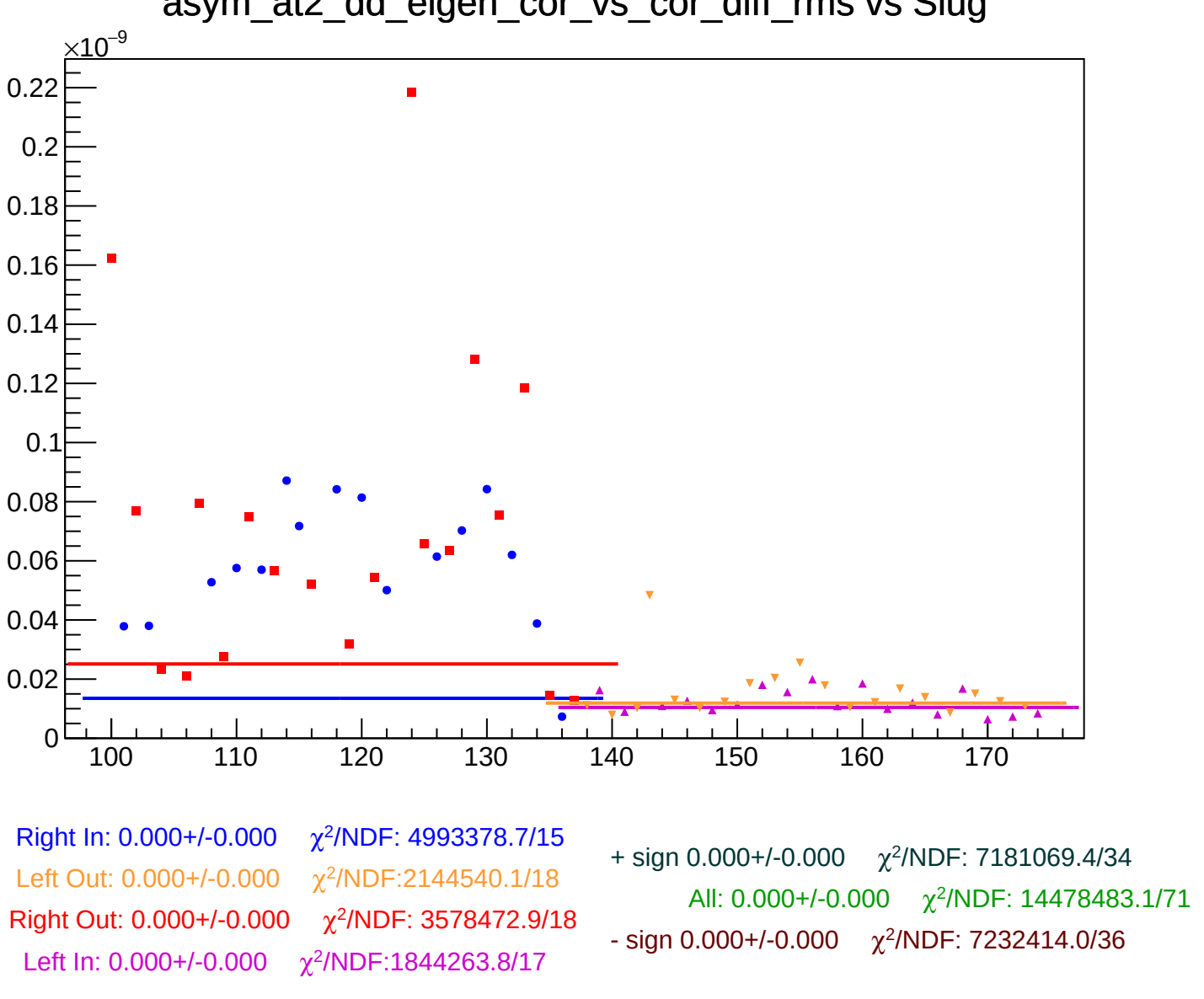
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:10.9/17

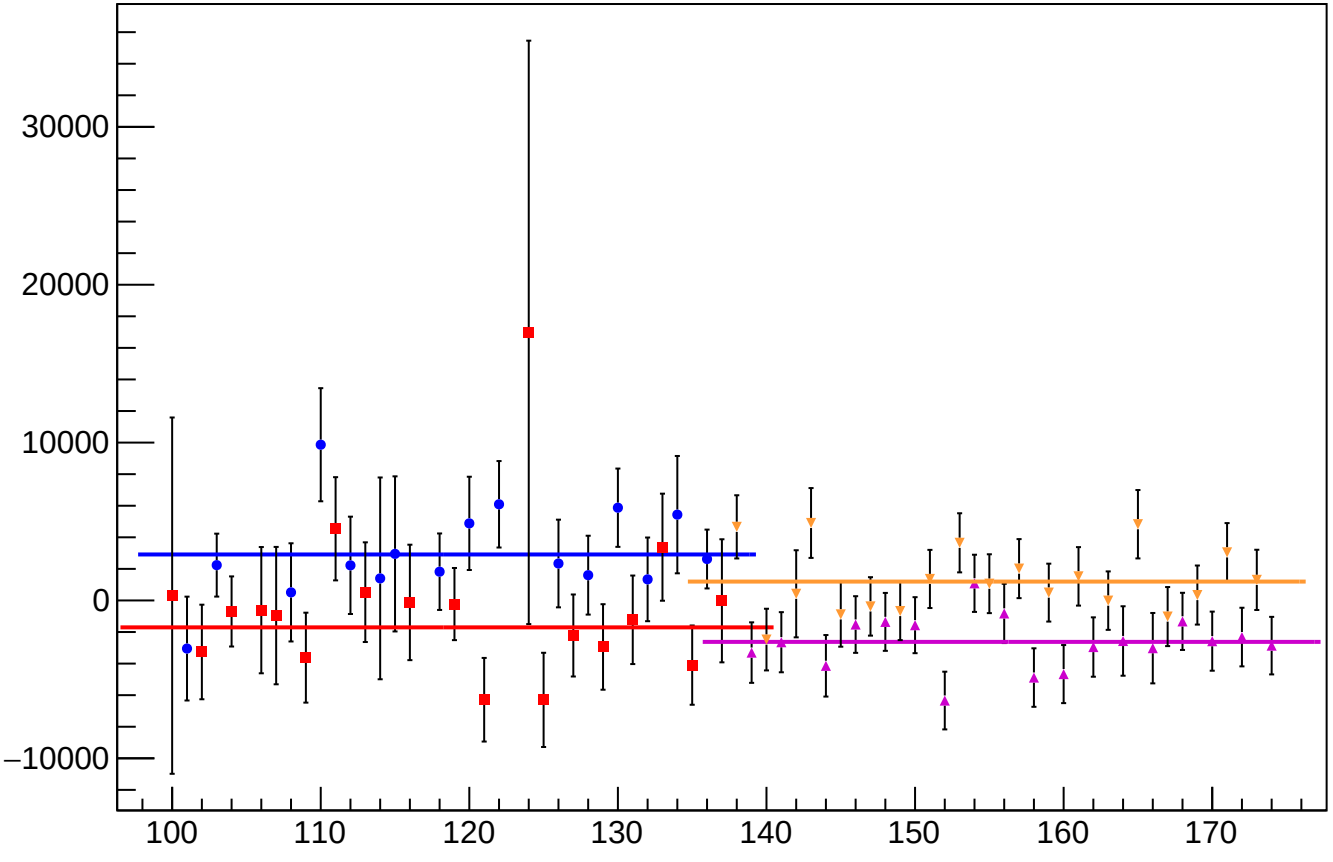
+ sign -0.000+/-0.000 χ^2/NDF: 24.5/34

All: 0.000+/-0.000 χ^2/NDF: 63.2/71

- sign 0.000+/-0.000 χ^2/NDF: 36.1/36


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 4993378.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2144540.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 3578472.9/18
Left In: 0.000+/-0.000 χ²/NDF:1844263.8/17
+ sign 0.000+/-0.000 χ²/NDF: 7181069.4/34
All: 0.000+/-0.000 χ²/NDF: 14478483.1/71
- sign 0.000+/-0.000 χ²/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: 1195.646+/-444.682 χ^2/NDF:20.2/18

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

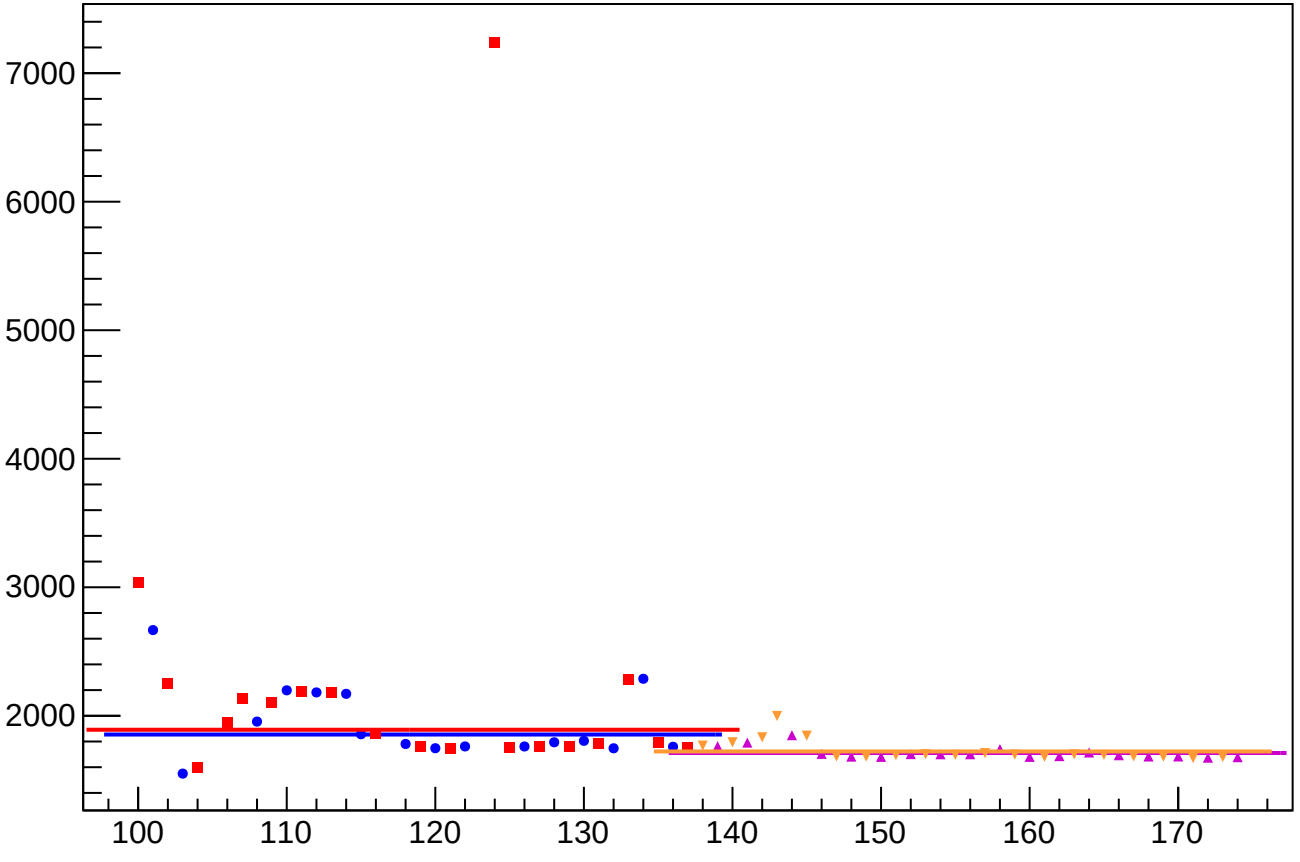
Left In: -2624.653+/-443.557 χ^2/NDF:14.5/17

+ sign 1694.419+/-374.581 χ^2/NDF: 36.9/34

All: -329.083+/-265.267 χ^2/NDF: 127.0/71

- 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: 1722.603+/-0.314 χ^2/NDF:54592.6/18

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

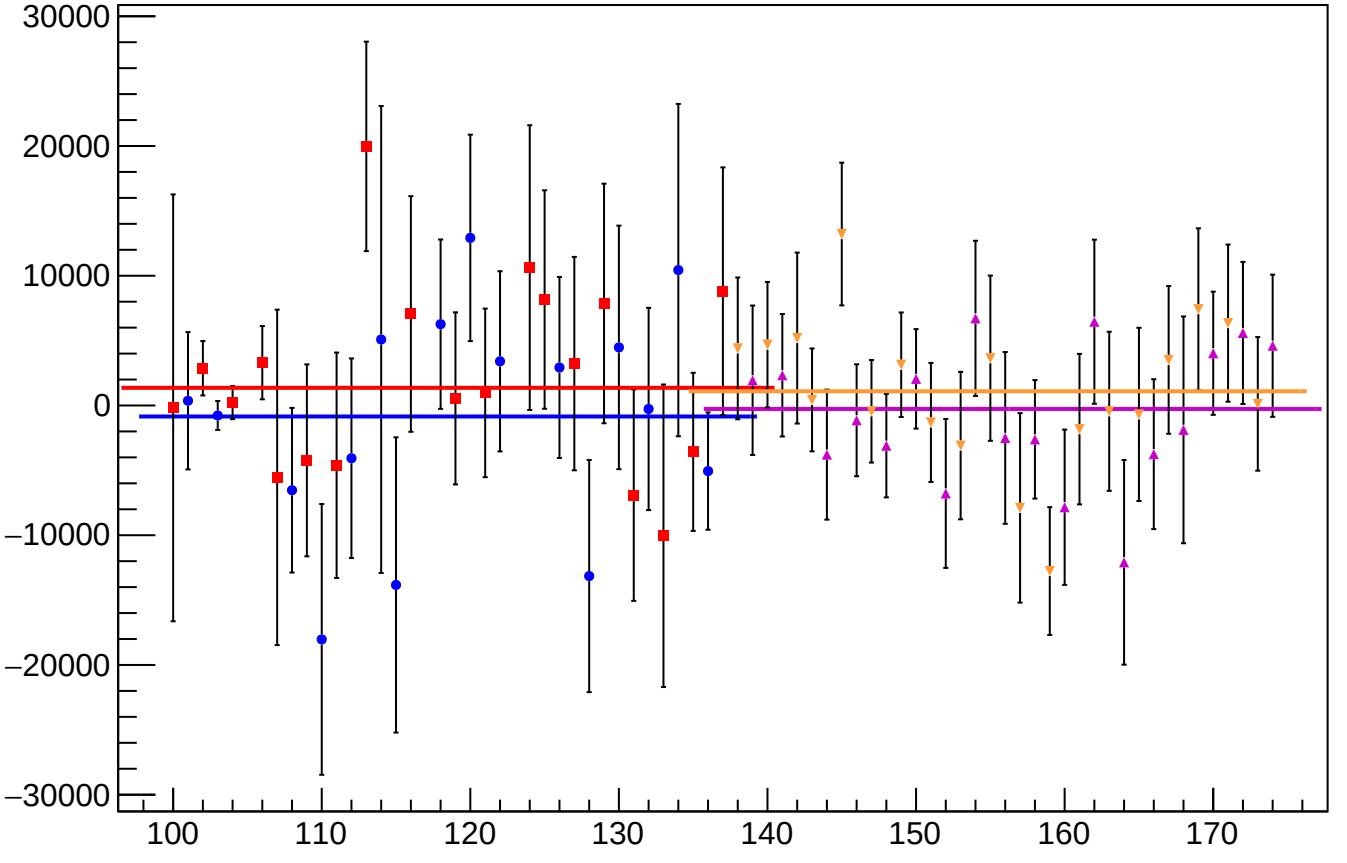
Left In: 1710.560+/-0.314 χ^2/NDF:20230.0/17

+ sign 1760.856+/-0.265 χ^2/NDF: 368873.7/34

All: 1761.348+/-0.188 χ^2/NDF: 847469.8/71

- 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: 1095.717+/-1208.245 χ^2/NDF:19.4/18

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

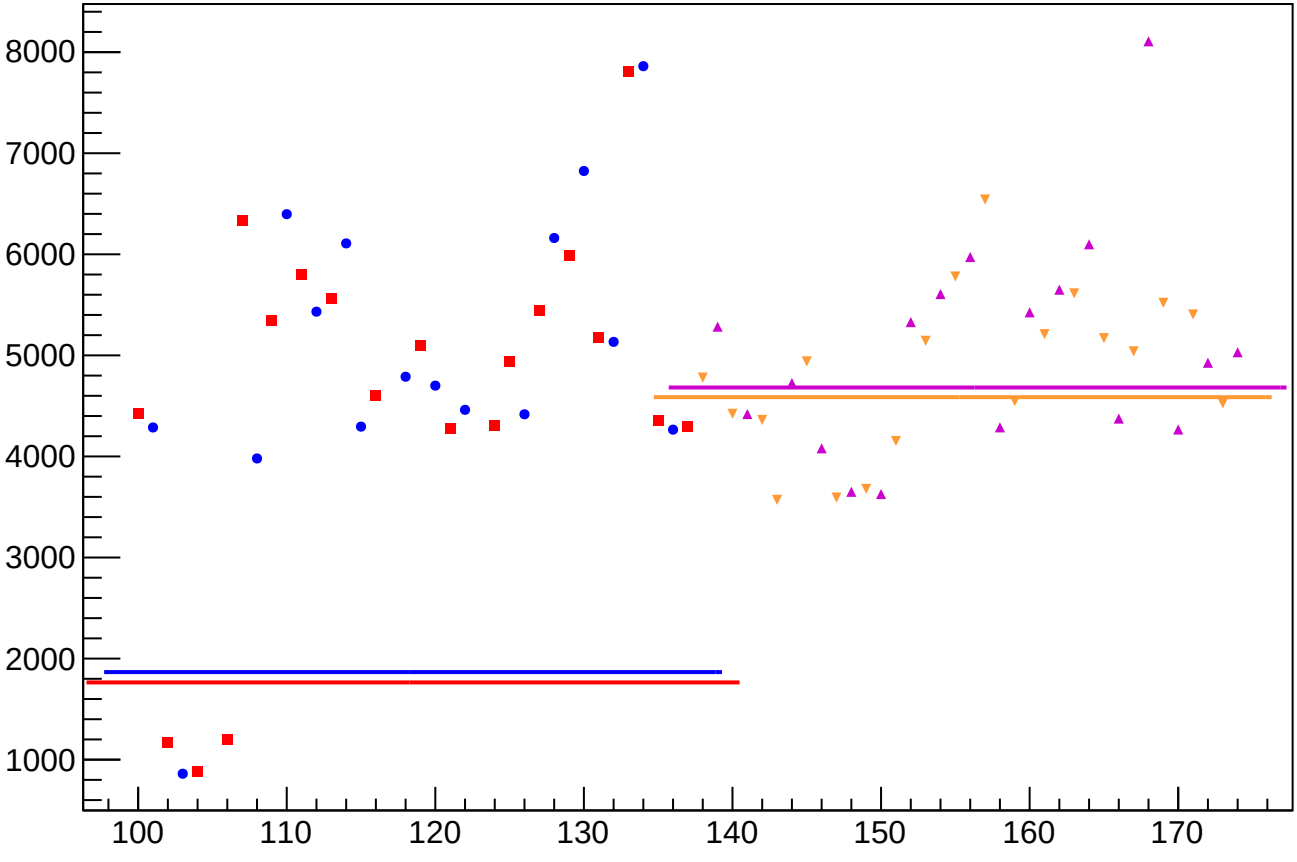
Left In: -268.102+/-1238.772 χ^2/NDF:13.0/17

+ sign -92.984+/-753.030 χ^2/NDF: 34.8/34

All: 356.031+/-526.523 χ^2/NDF: 63.7/71

- 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: 4586.357+/-0.854 χ^2/NDF:814515.9/18

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

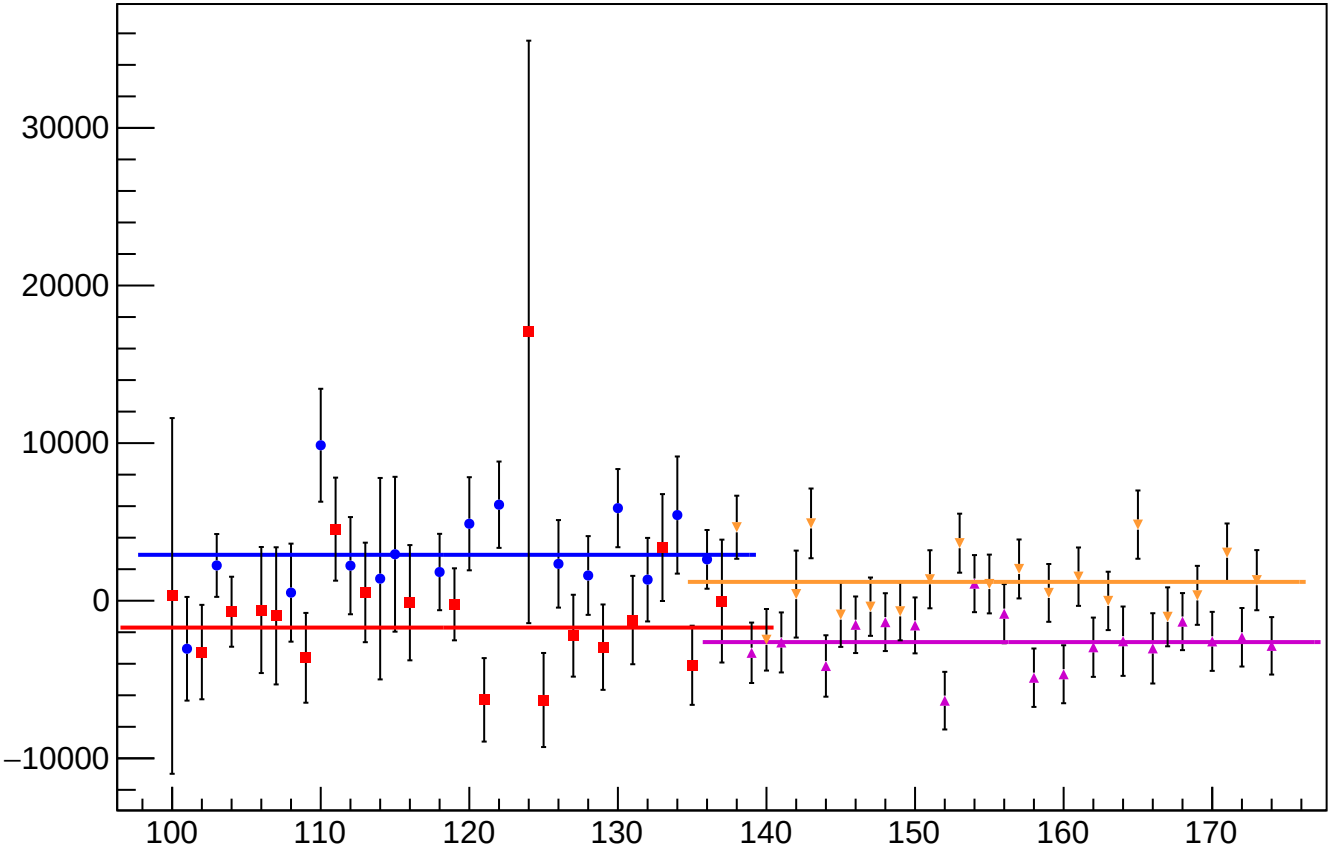
Left In: 4682.158+/-0.876 χ^2/NDF:998862.9/17

+ sign 2922.922+/-0.532 χ^2/NDF: 13862667.8/34

All: 2857.857+/-0.372 χ^2/NDF: 28499844.6/7

- 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: 1195.525+/-444.682 χ^2/NDF:20.2/18

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

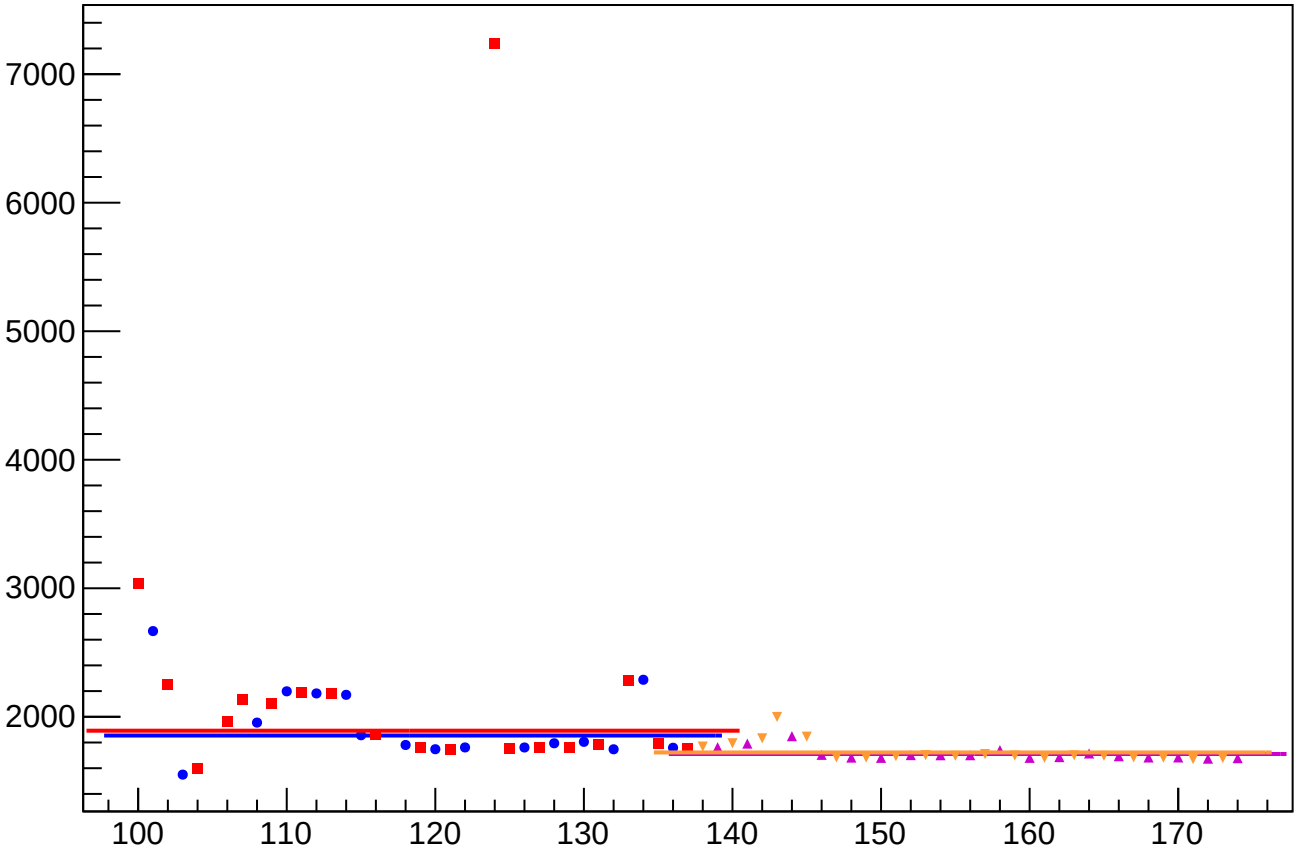
Left In: -2624.628+/-443.557 χ^2/NDF:14.5/17

+ sign 1694.362+/-374.581 χ^2/NDF: 36.9/34

All: -328.908+/-265.267 χ^2/NDF: 127.0/71

- 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: 1722.603+/-0.314 χ^2/NDF:54592.6/18

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

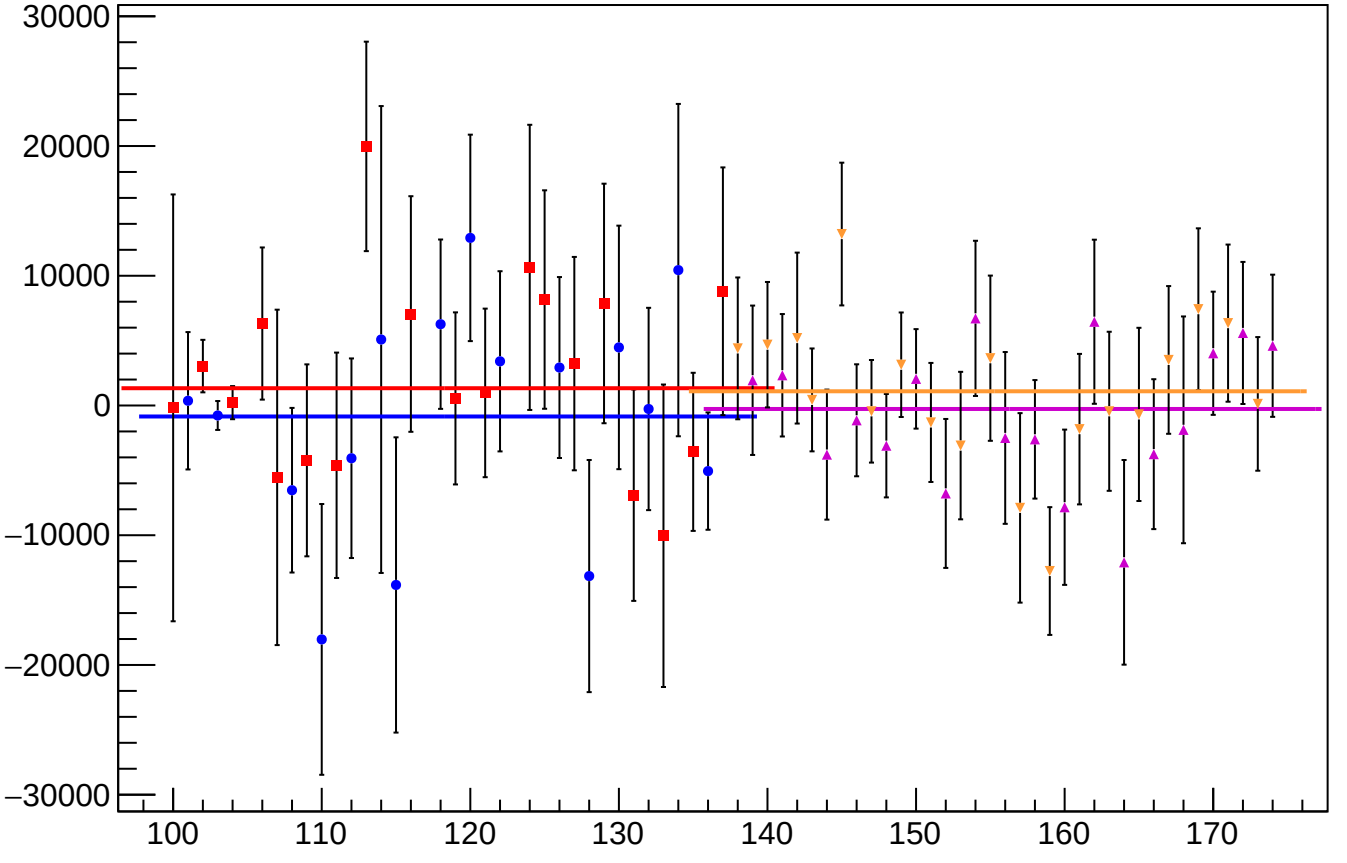
Left In: 1710.560+/-0.314 χ^2/NDF:20230.0/17

+ sign 1760.856+/-0.265 χ^2/NDF: 368873.6/34

All: 1761.404+/-0.188 χ^2/NDF: 848160.6/71

- 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: 1095.697+/-1208.243 χ^2/NDF:19.4/18

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

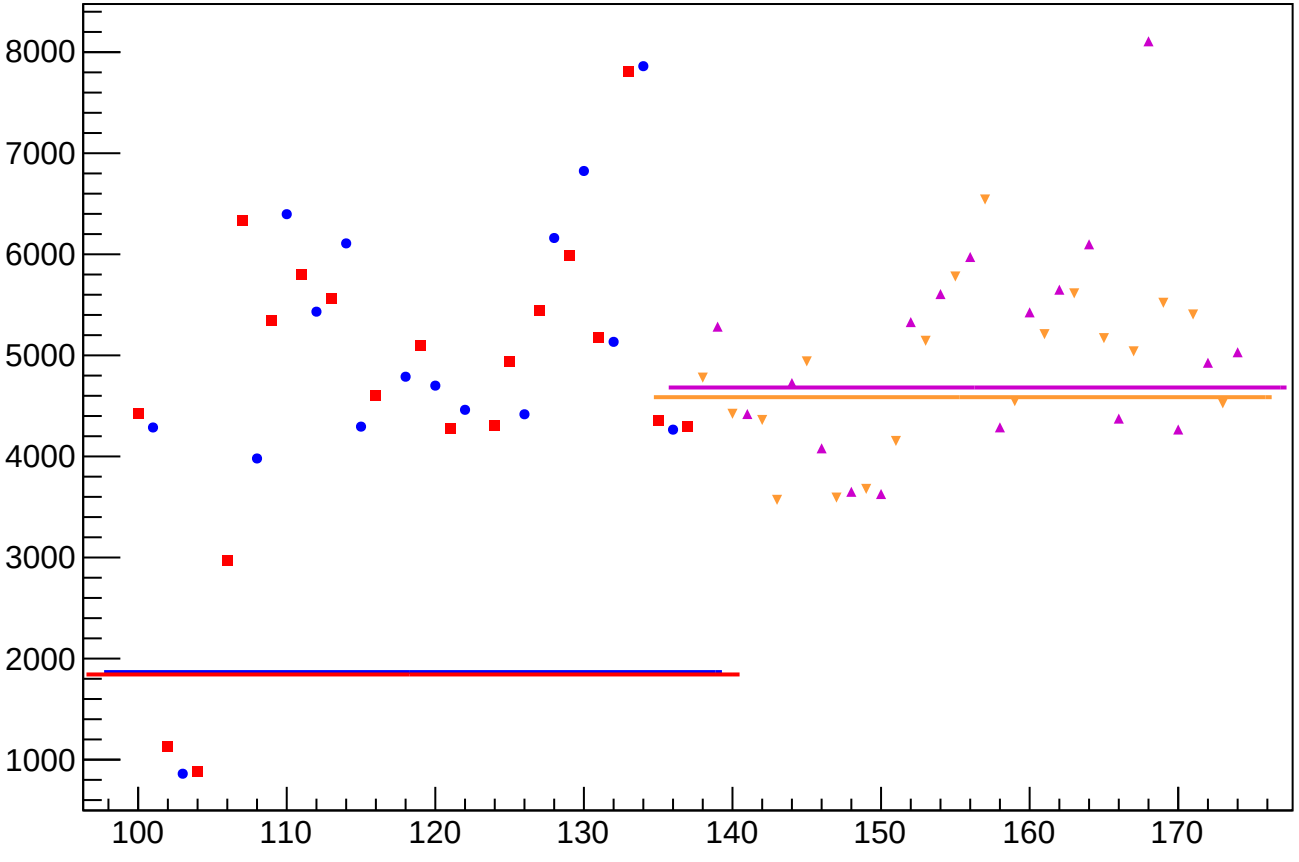
Left In: -268.156+/-1238.772 χ^2/NDF:13.0/17

+ sign -92.752+/-753.004 χ^2/NDF: 34.8/34

All: 323.903+/-532.427 χ^2/NDF: 63.9/71

- 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: 4586.350+/-0.854 χ^2/NDF:814526.5/18

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

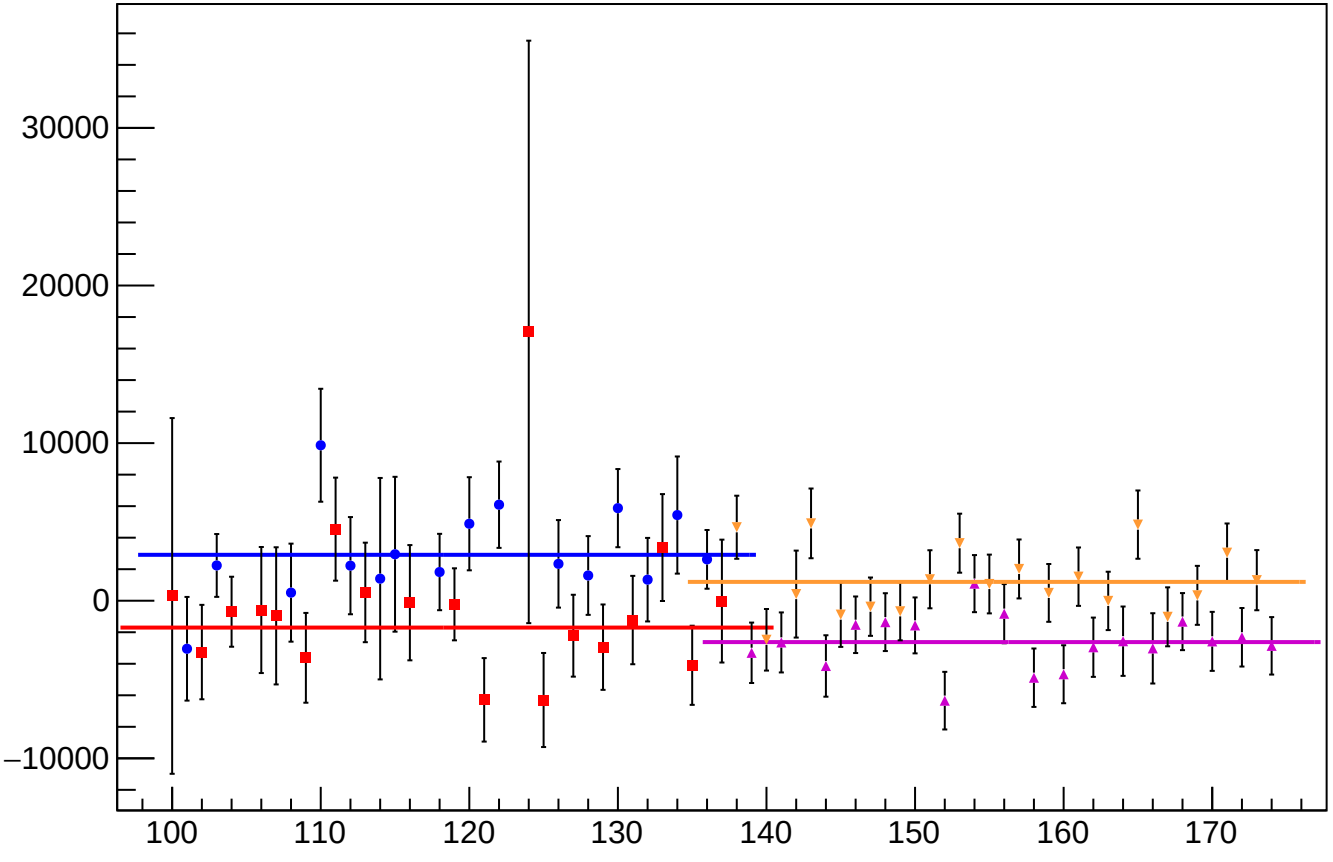
Left In: 4682.156+/-0.876 χ^2/NDF:998880.2/17

+ sign 2922.755+/-0.532 χ^2/NDF: 13864047.1/34

All: 2907.262+/-0.376 χ^2/NDF: 27948306.2/7

- 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: 1195.525+/-444.682 χ^2/NDF:20.2/18

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

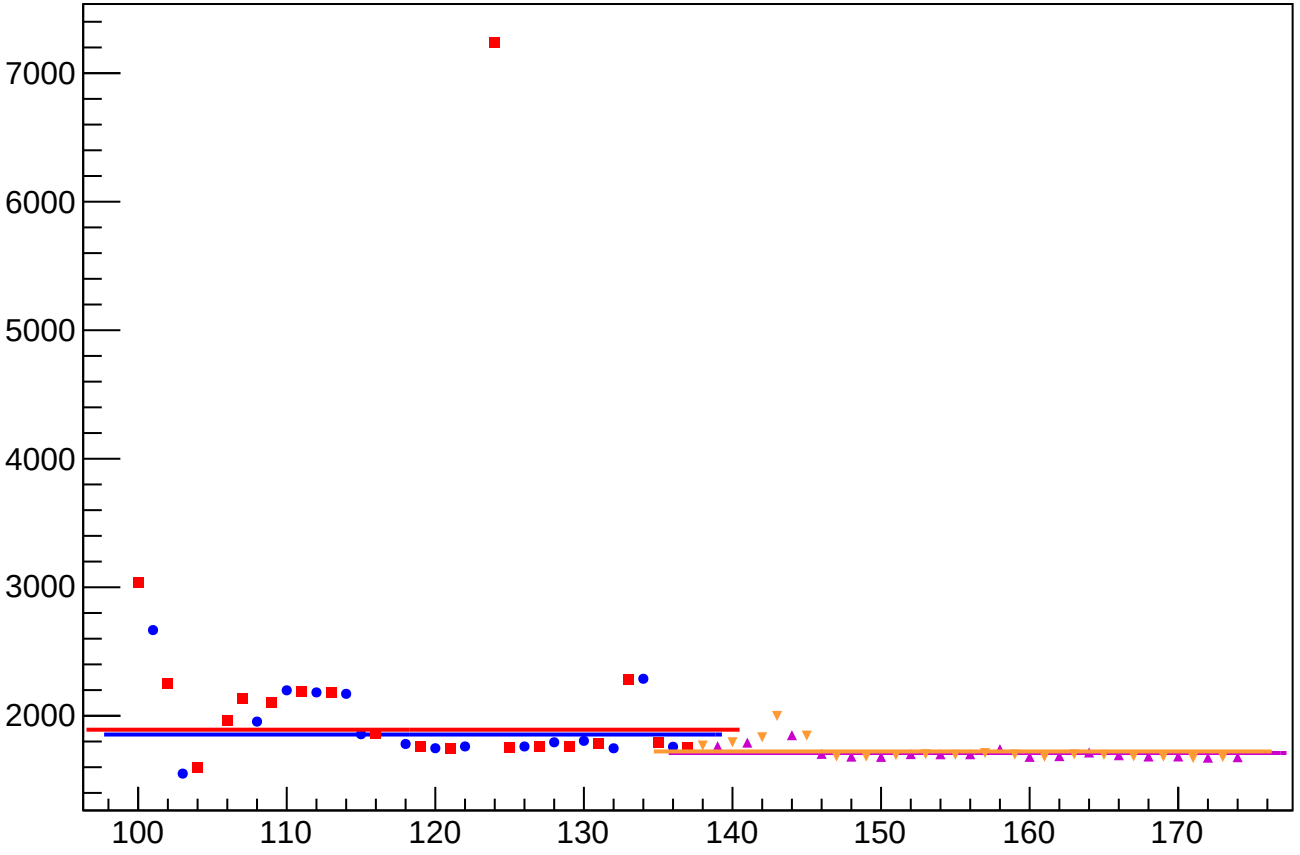
Left In: -2624.628+/-443.557 χ^2/NDF:14.5/17

+ sign 1694.362+/-374.581 χ^2/NDF: 36.9/34

All: -328.908+/-265.267 χ^2/NDF: 127.0/71

- 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: 1722.603+/-0.314 χ^2/NDF:54592.6/18

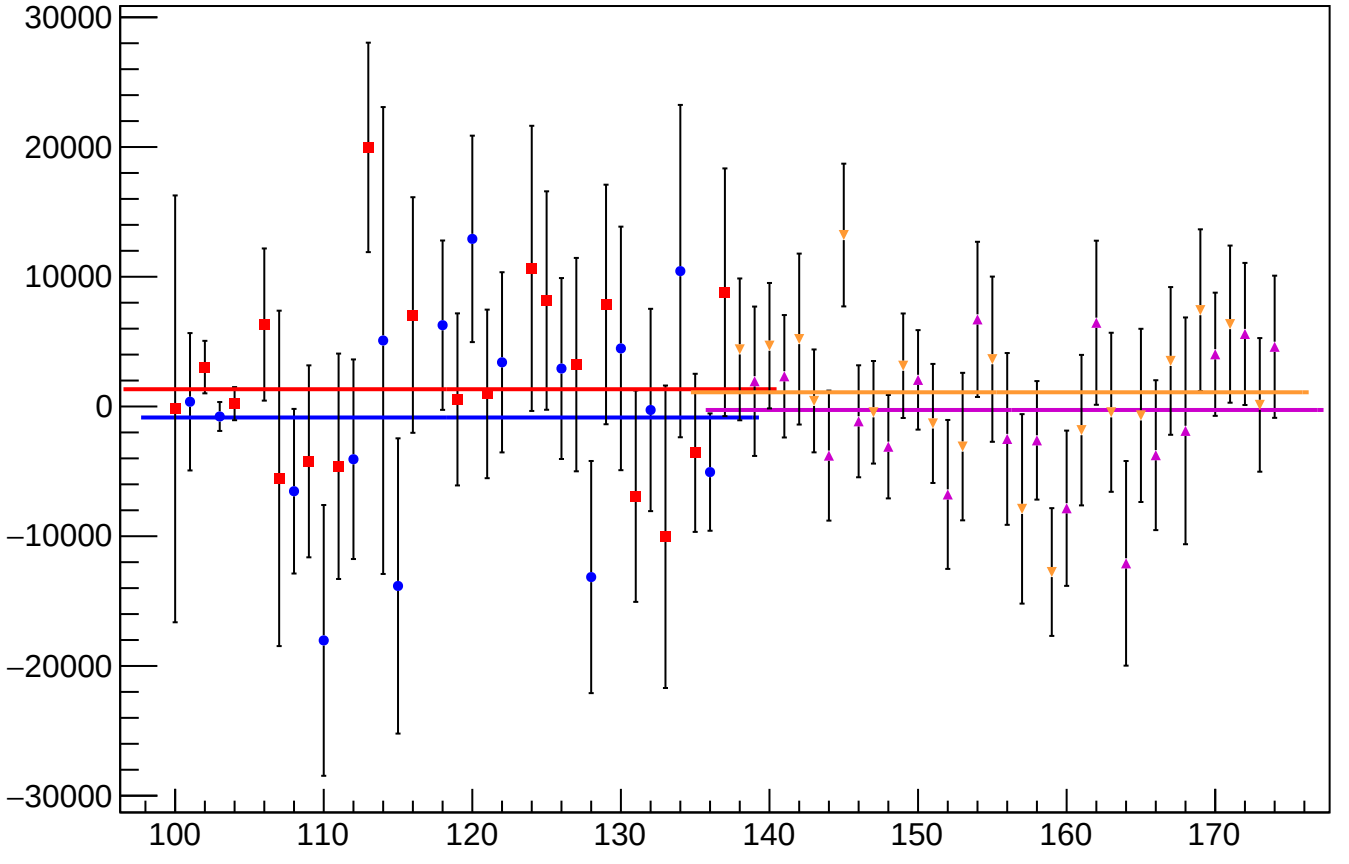
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1710.560+/-0.314 χ^2/NDF:20230.0/17

+ sign 1760.856+/-0.265 χ^2/NDF: 368873.6/34

All: 1761.404+/-0.188 χ^2/NDF: 848160.6/71

- 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: 1095.697+/-1208.243 χ^2/NDF:19.4/18

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

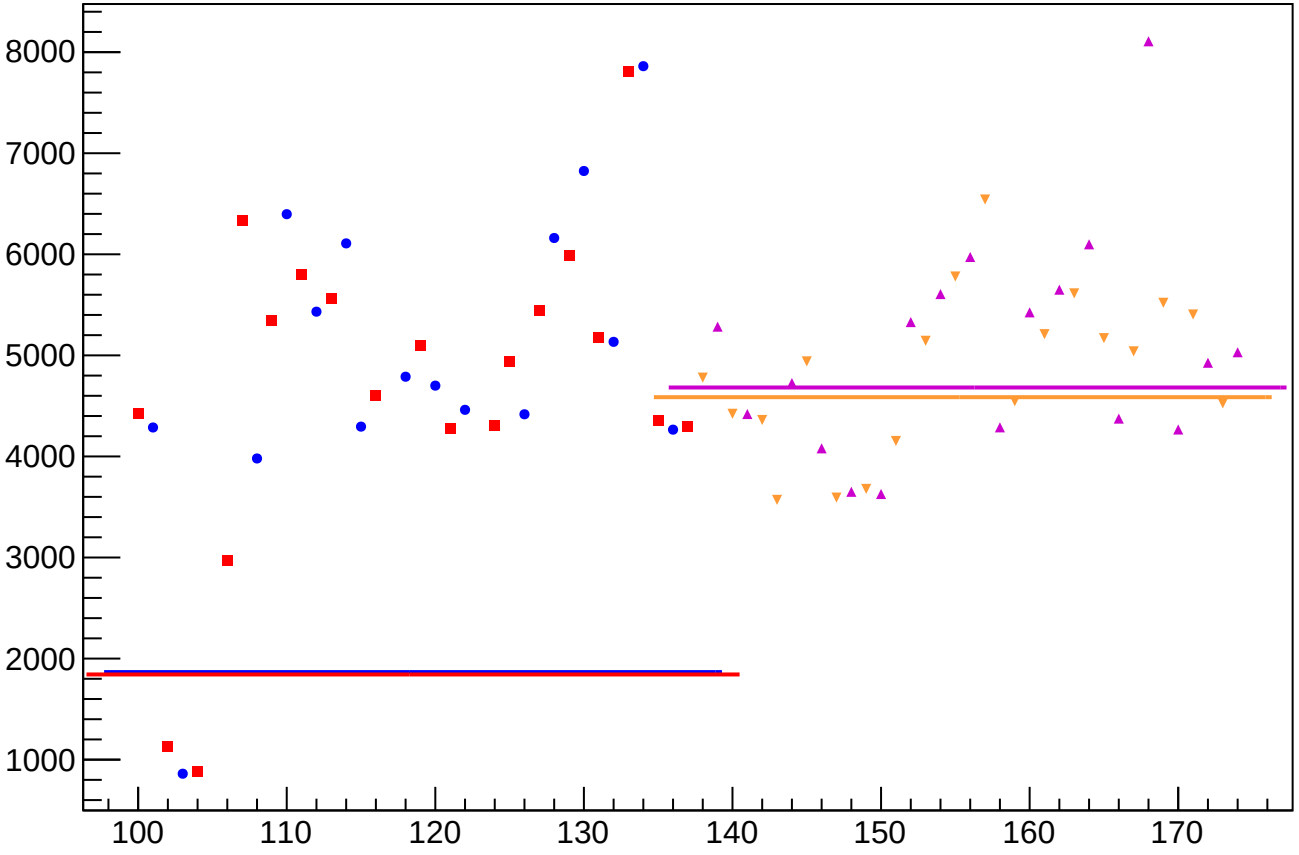
Left In: -268.156+/-1238.772 χ^2/NDF:13.0/17

+ sign -92.752+/-753.004 χ^2/NDF: 34.8/34

All: 323.903+/-532.427 χ^2/NDF: 63.9/71

- sign 740.471+/-752.926 χ^2/NDF: 28.5/36

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4586.350+/-0.854 χ^2/NDF:814526.5/18

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

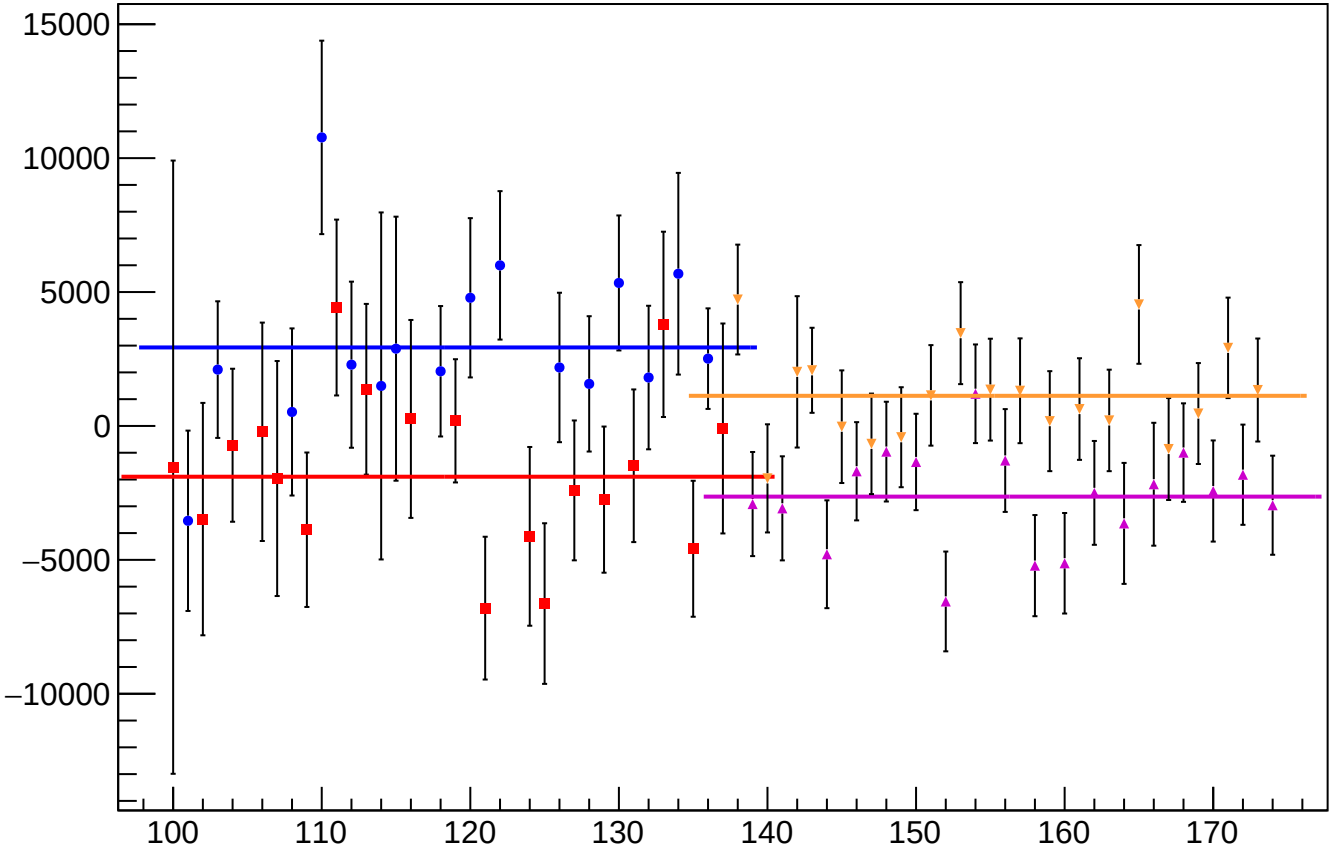
Left In: 4682.156+/-0.876 χ^2/NDF:998880.2/17

+ sign 2922.755+/-0.532 χ^2/NDF: 13864047.1/34

All: 2907.262+/-0.376 χ^2/NDF: 27948306.2/7

- 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: 1125.518+/-444.616 χ^2/NDF:14.4/18

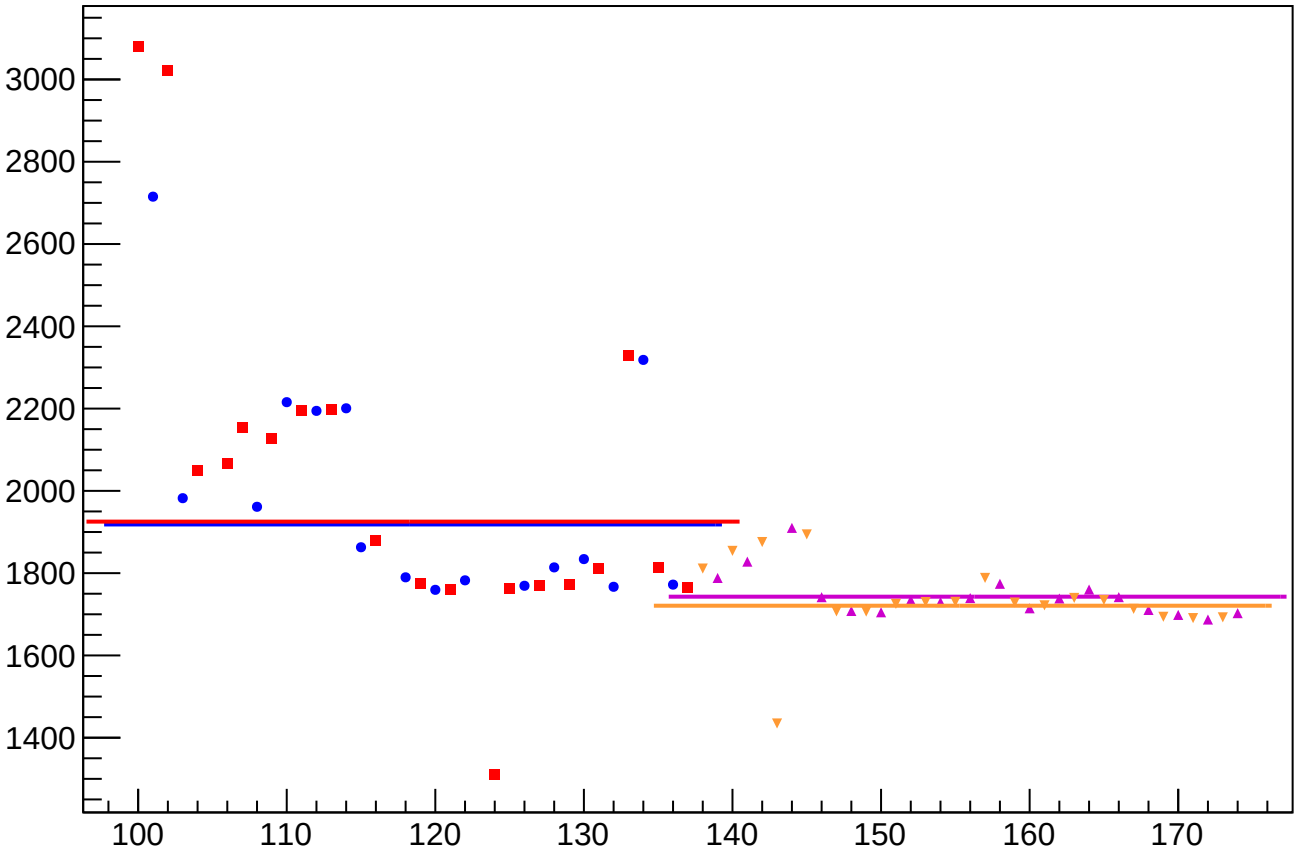
Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: -2638.739+/-451.986 χ^2/NDF:17.0/17

+ sign 1625.836+/-378.053 χ^2/NDF: 31.9/34

All: -374.916+/-269.091 χ^2/NDF: 123.8/71

- sign -2429.455+/-383.101 χ^2/NDF: 35.1/36



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1720.853+/-0.314 χ^2/NDF:101599.2/18

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

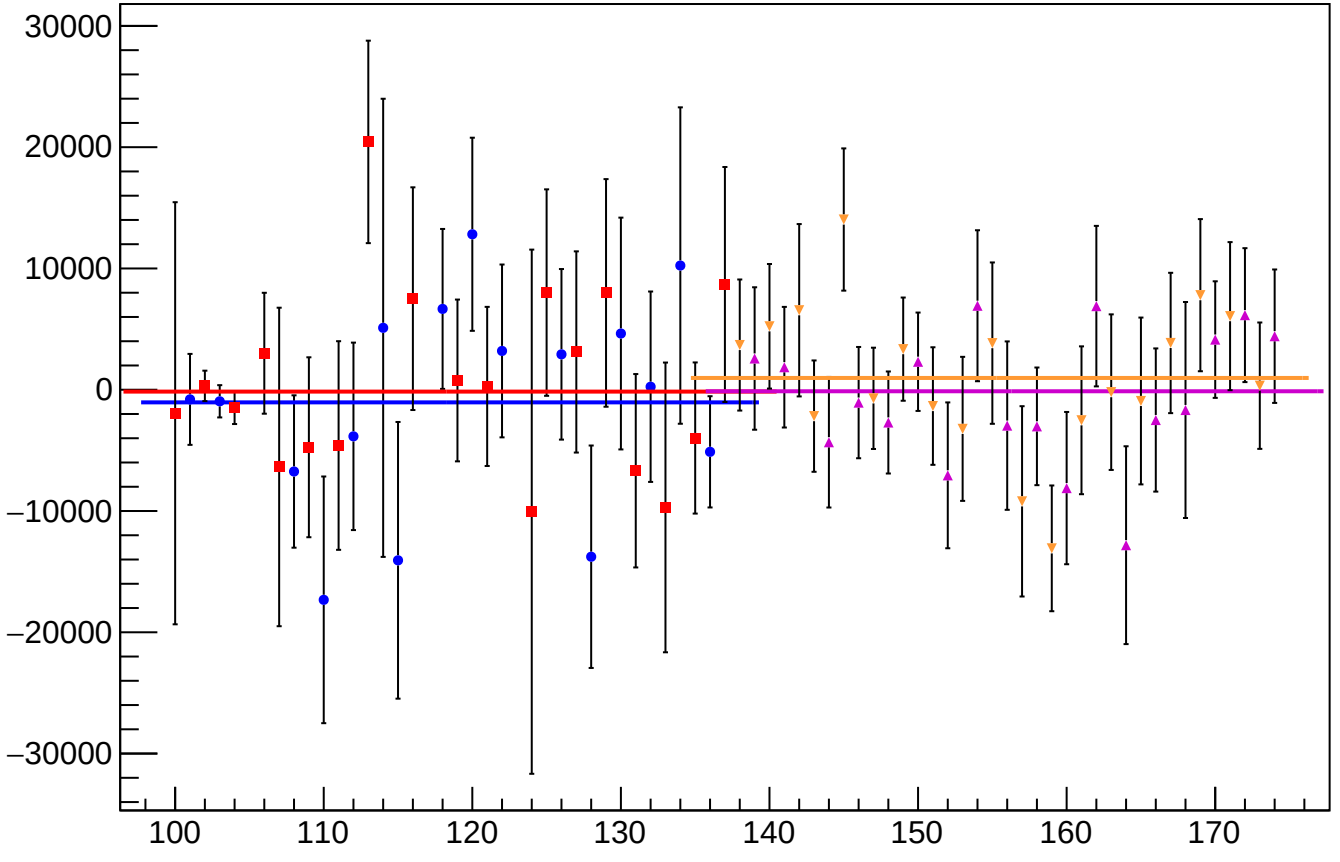
Left In: 1742.804+/-0.320 χ^2/NDF:26026.0/17

+ sign 1775.565+/-0.267 χ^2/NDF: 426523.4/34

All: 1784.782+/-0.190 χ^2/NDF: 885932.1/71

- 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: 971.508+/-1270.690 χ^2/NDF:20.0/18

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

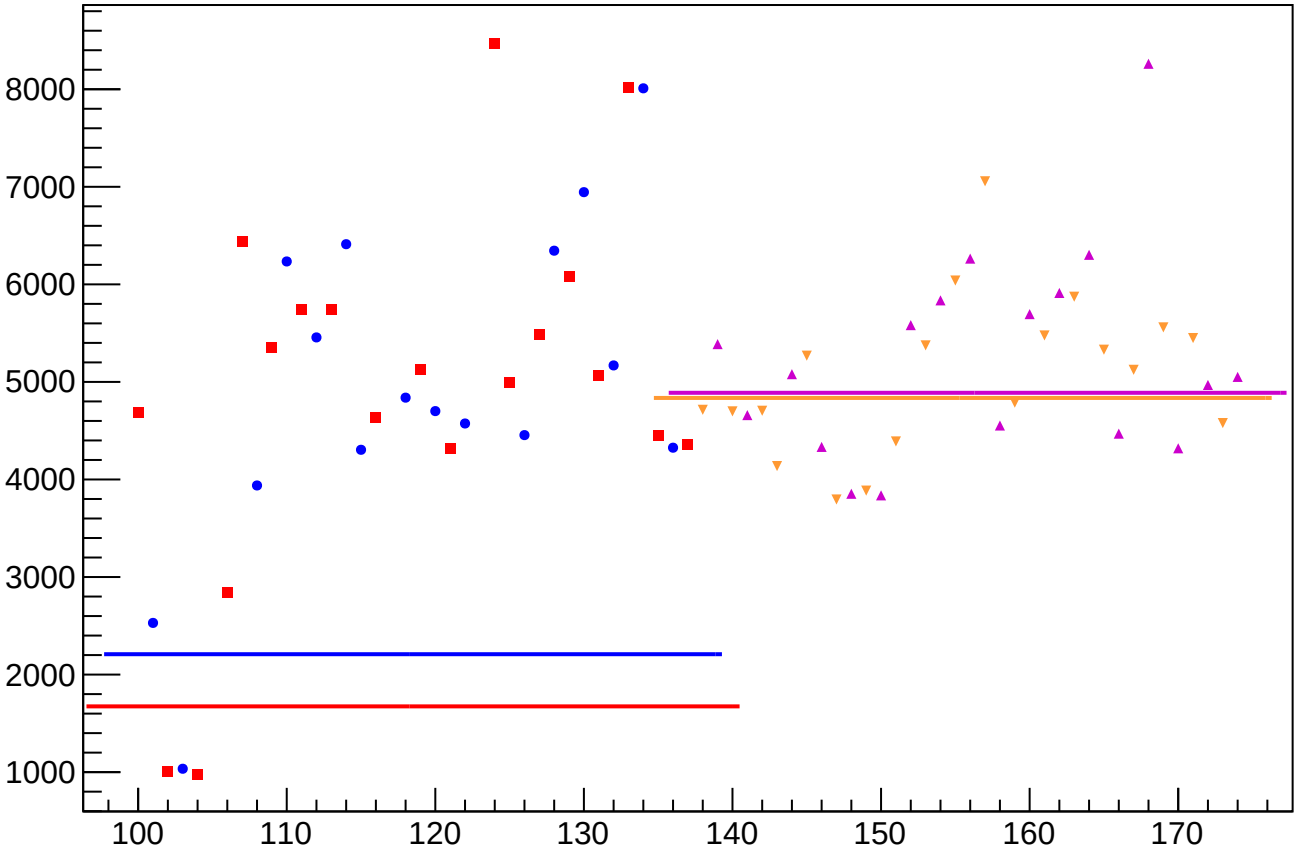
Left In: -125.992+/-1291.938 χ^2/NDF:13.0/17

+ sign -204.373+/-819.548 χ^2/NDF: 35.3/34

All: -170.385+/-533.003 χ^2/NDF: 62.0/71

- 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: 4835.756+/-0.899 χ^2/NDF:684934.4/18

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

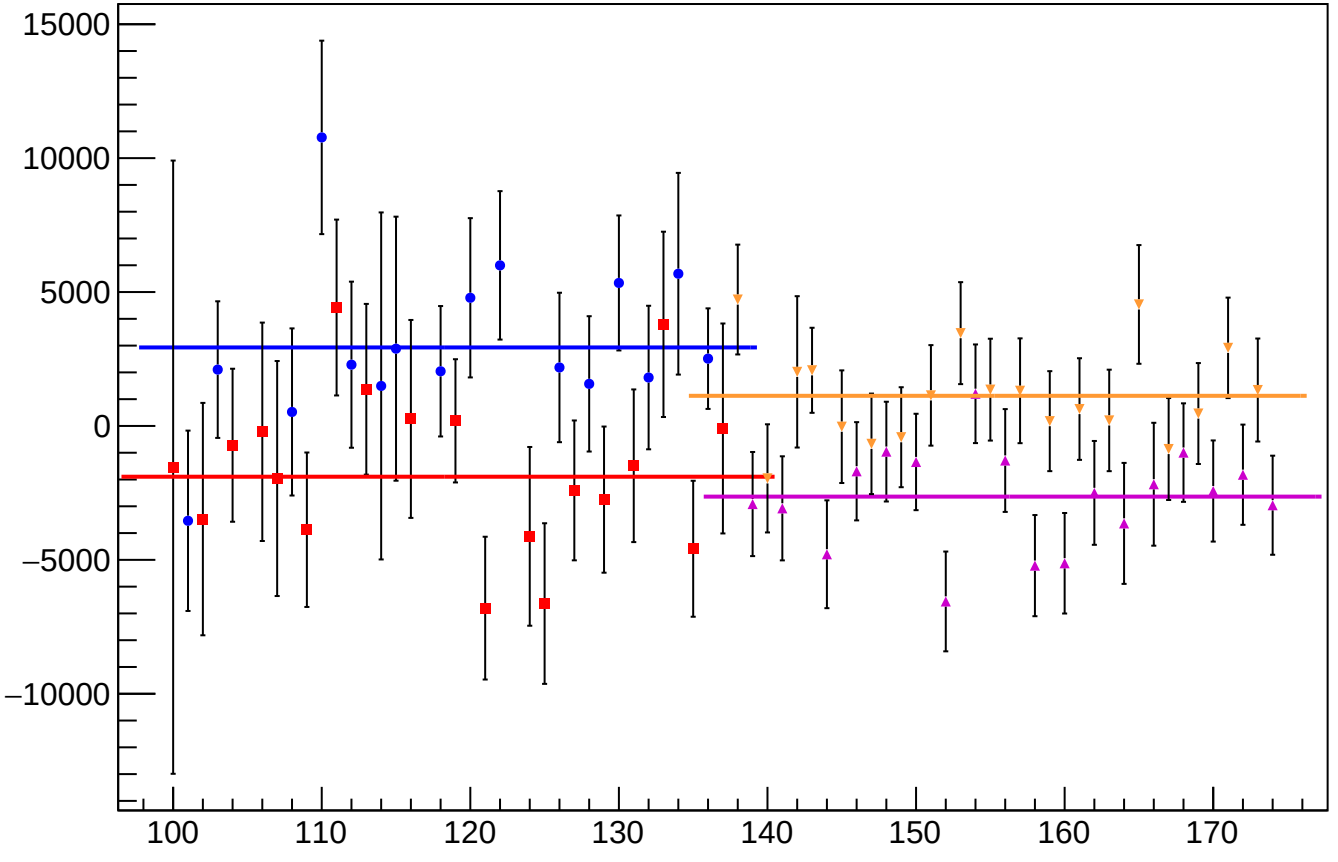
Left In: 4888.523+/-0.914 χ^2/NDF:934981.8/17

+ sign 3301.619+/-0.580 χ^2/NDF: 11175657.1/34

All: 2909.634+/-0.377 χ^2/NDF: 28485328.7/7

- 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: 1125.512+/-444.616 χ^2/NDF:14.4/18

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

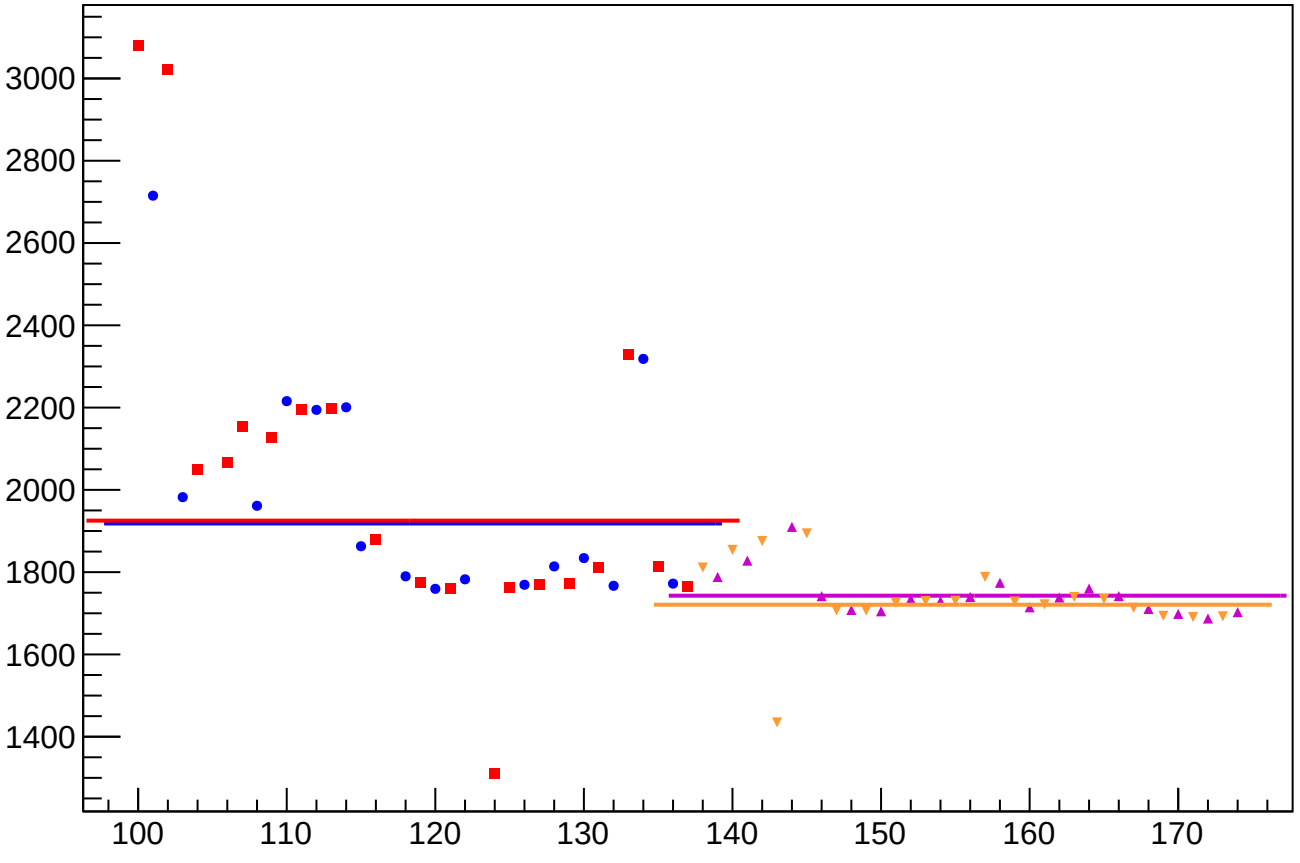
Left In: -2638.742+/-451.987 χ^2/NDF:17.0/17

+ sign 1625.833+/-378.053 χ^2/NDF: 31.9/34

All: -374.919+/-269.091 χ^2/NDF: 123.8/71

- 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: 1720.854+/-0.314 χ^2/NDF:101598.5/18

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

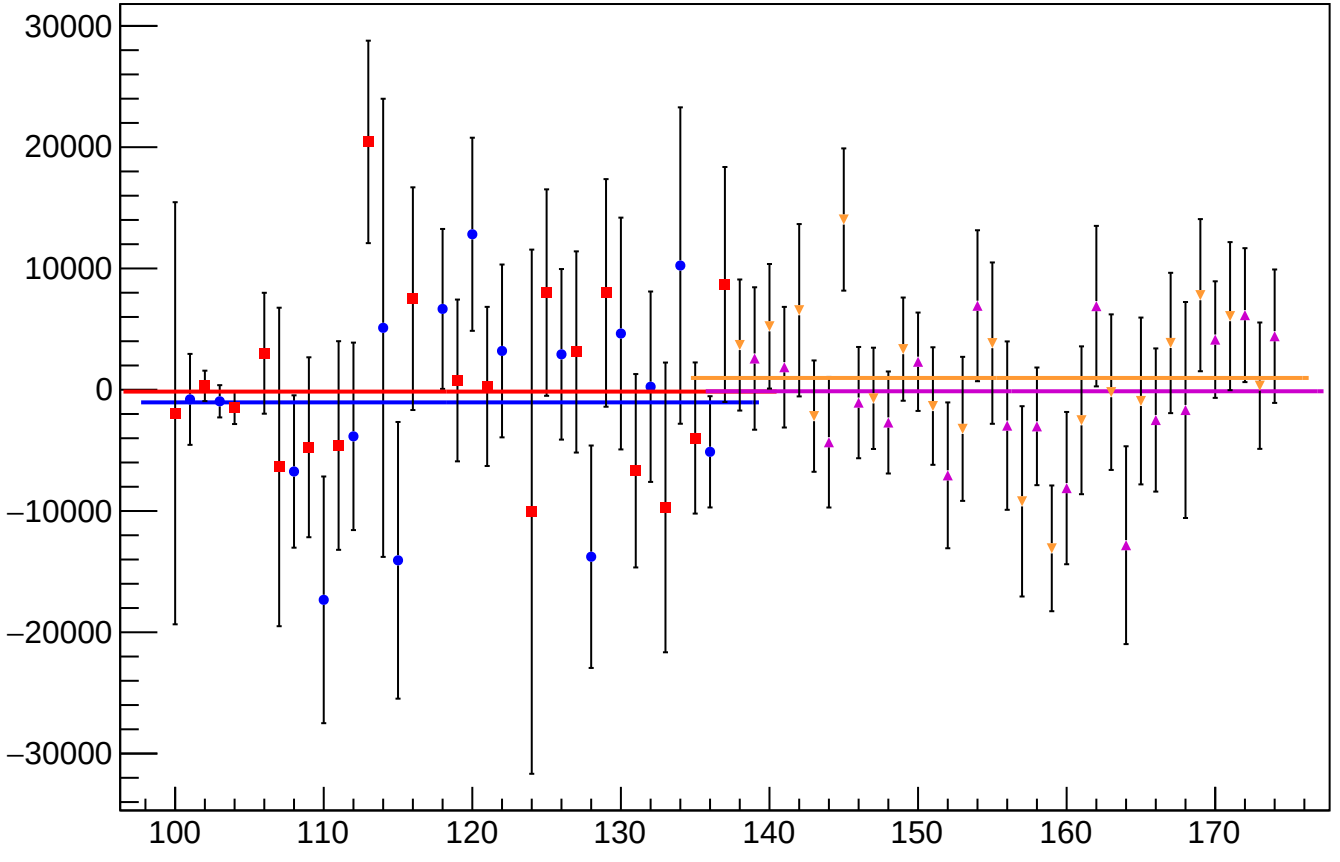
Left In: 1742.805+/-0.320 χ^2/NDF:26026.0/17

+ sign 1775.566+/-0.267 χ^2/NDF: 426520.9/34

All: 1784.782+/-0.190 χ^2/NDF: 885927.1/71

- sign 1794.242+/-0.271 χ^2/NDF: 456997.6/36

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 971.506+/-1270.692 χ^2/NDF:20.0/18

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

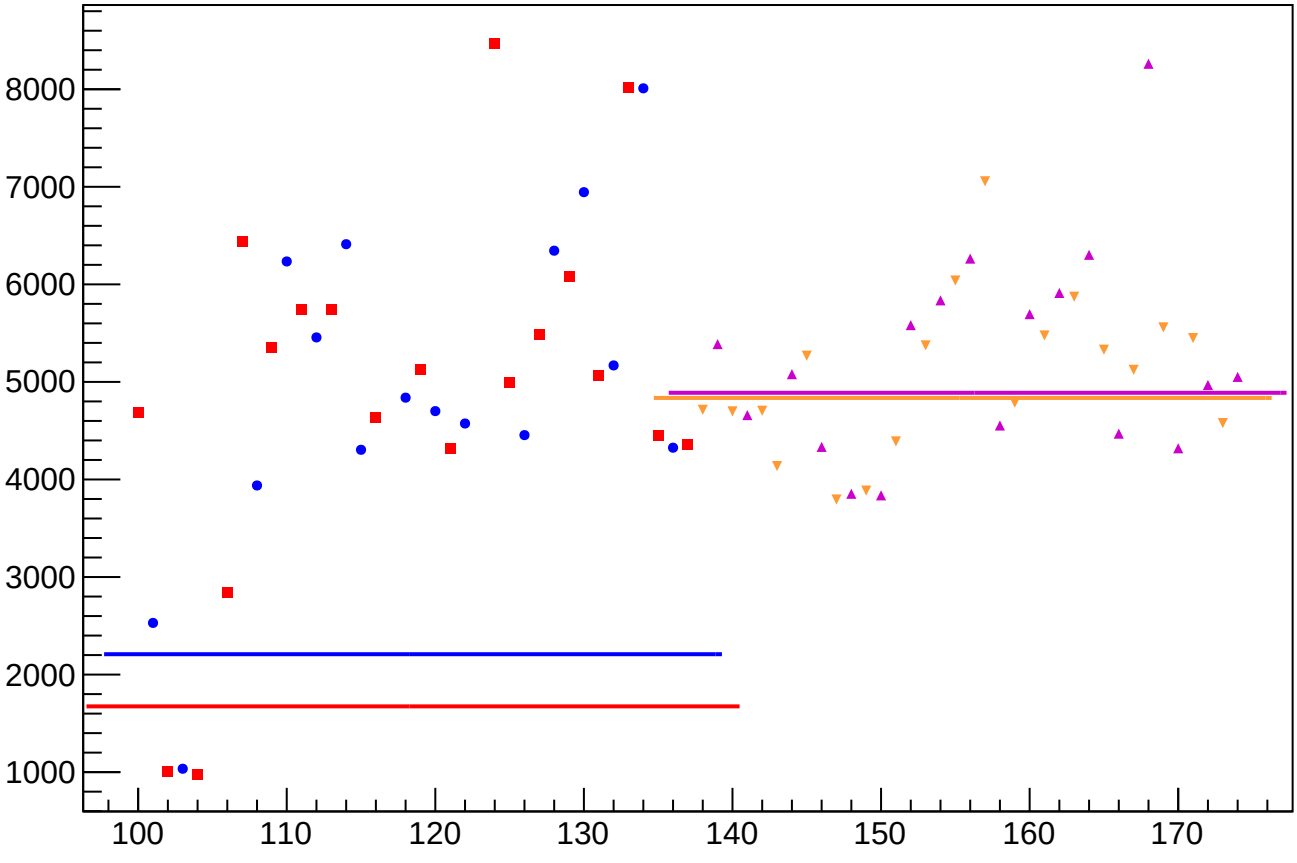
Left In: -125.990+/-1291.940 χ^2/NDF:13.0/17

+ sign -204.375+/-819.548 χ^2/NDF: 35.3/34

All: -170.383+/-533.003 χ^2/NDF: 62.0/71

- 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: 4835.764+/-0.899 χ^2/NDF:684933.7/18

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

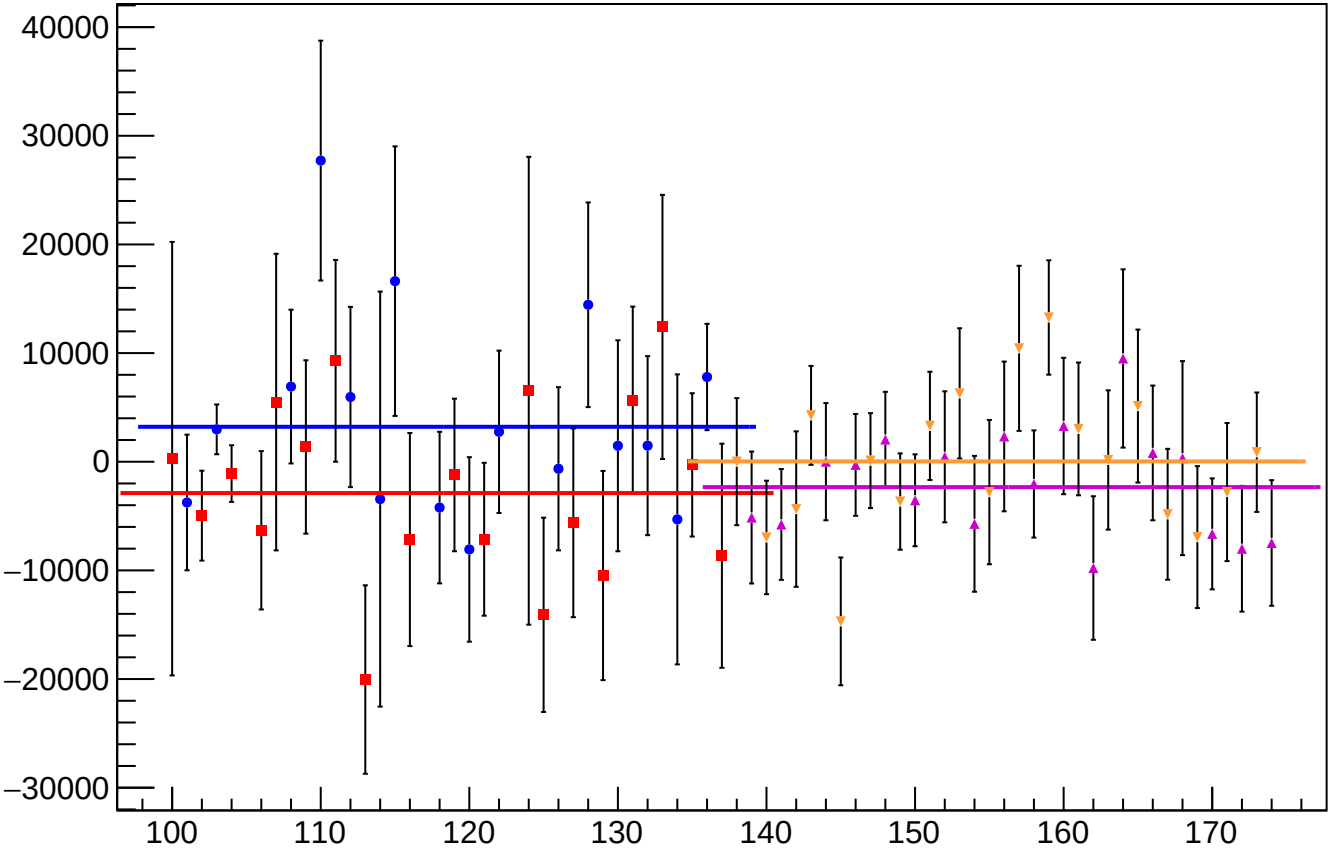
Left In: 4888.531+/-0.914 χ^2/NDF:934982.3/17

+ sign 3301.619+/-0.580 χ^2/NDF: 11175676.2/34

All: 2909.634+/-0.377 χ^2/NDF: 28485367.6/7

- 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: 29.459+/-1301.494 χ^2/NDF:22.7/18

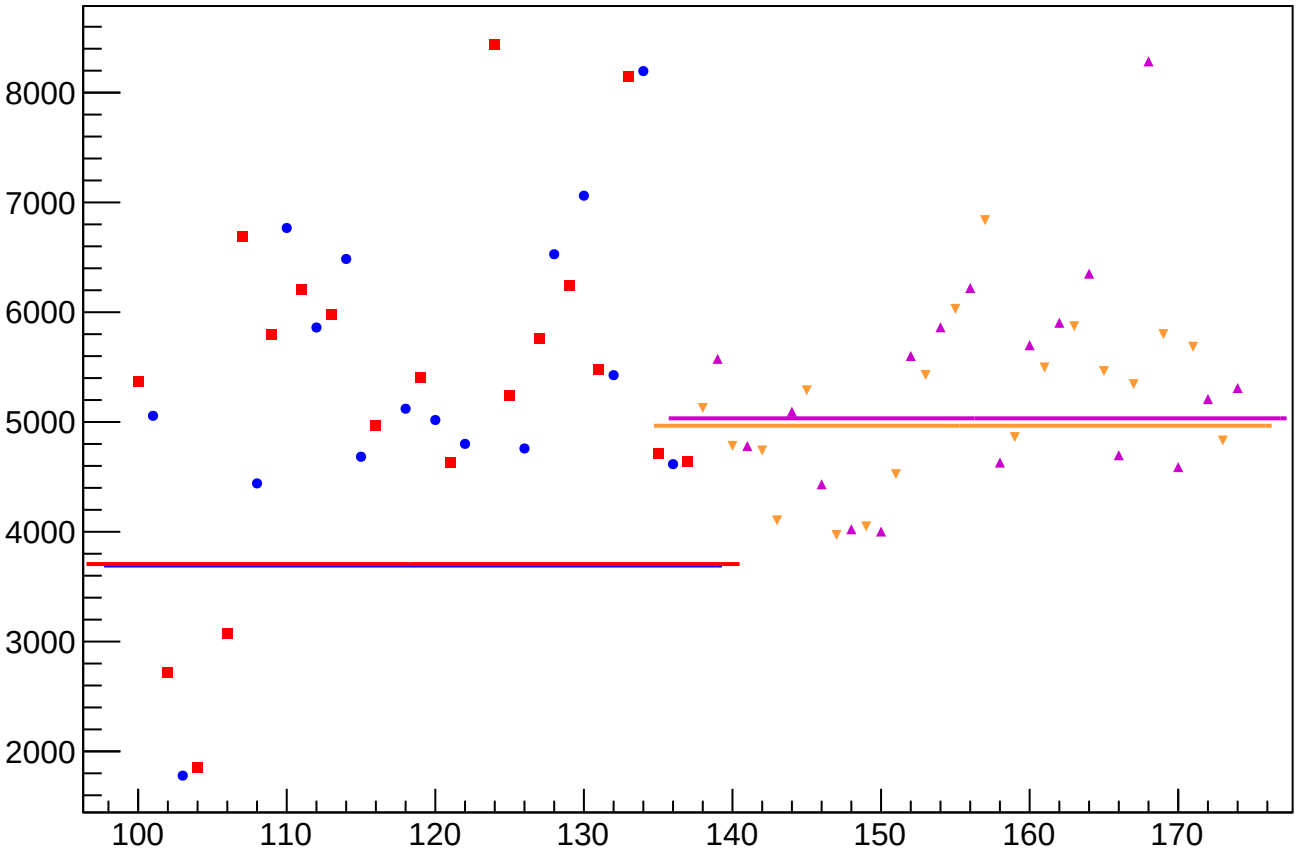
Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: -2335.035+/-1326.304 χ^2/NDF:10.1/17

+ sign 1357.748+/-993.848 χ^2/NDF: 39.0/34

All: -576.004+/-707.816 χ^2/NDF: 70.2/71

- sign -2566.466+/-1008.315 χ^2/NDF: 23.5/36



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4965.649+/-0.920 χ^2/NDF:606630.0/18

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

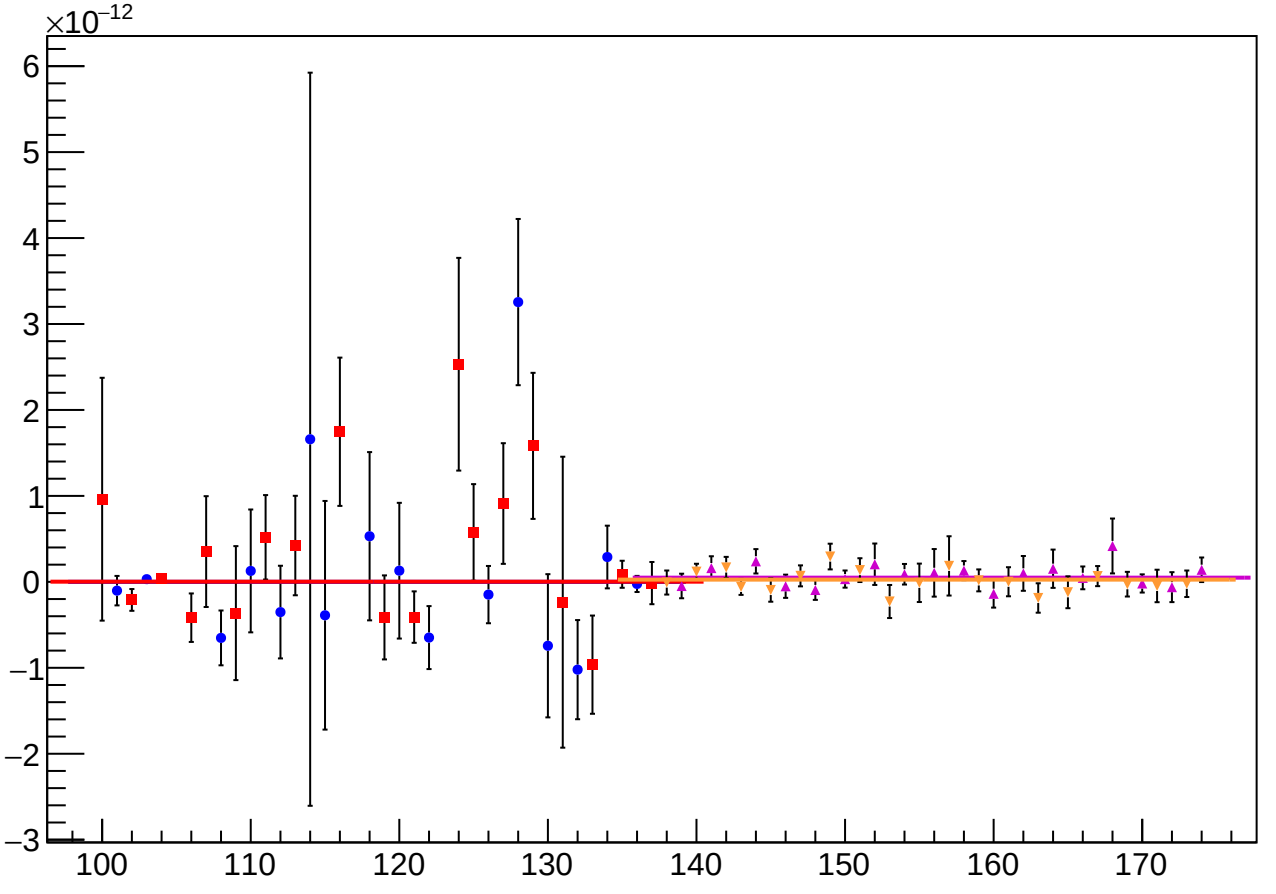
Left In: 5033.288+/-0.938 χ^2/NDF:805702.3/17

+ sign 4435.026+/-0.703 χ^2/NDF: 4289738.9/34

All: 4450.683+/-0.499 χ^2/NDF: 8635995.7/71

- 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:12.7/18

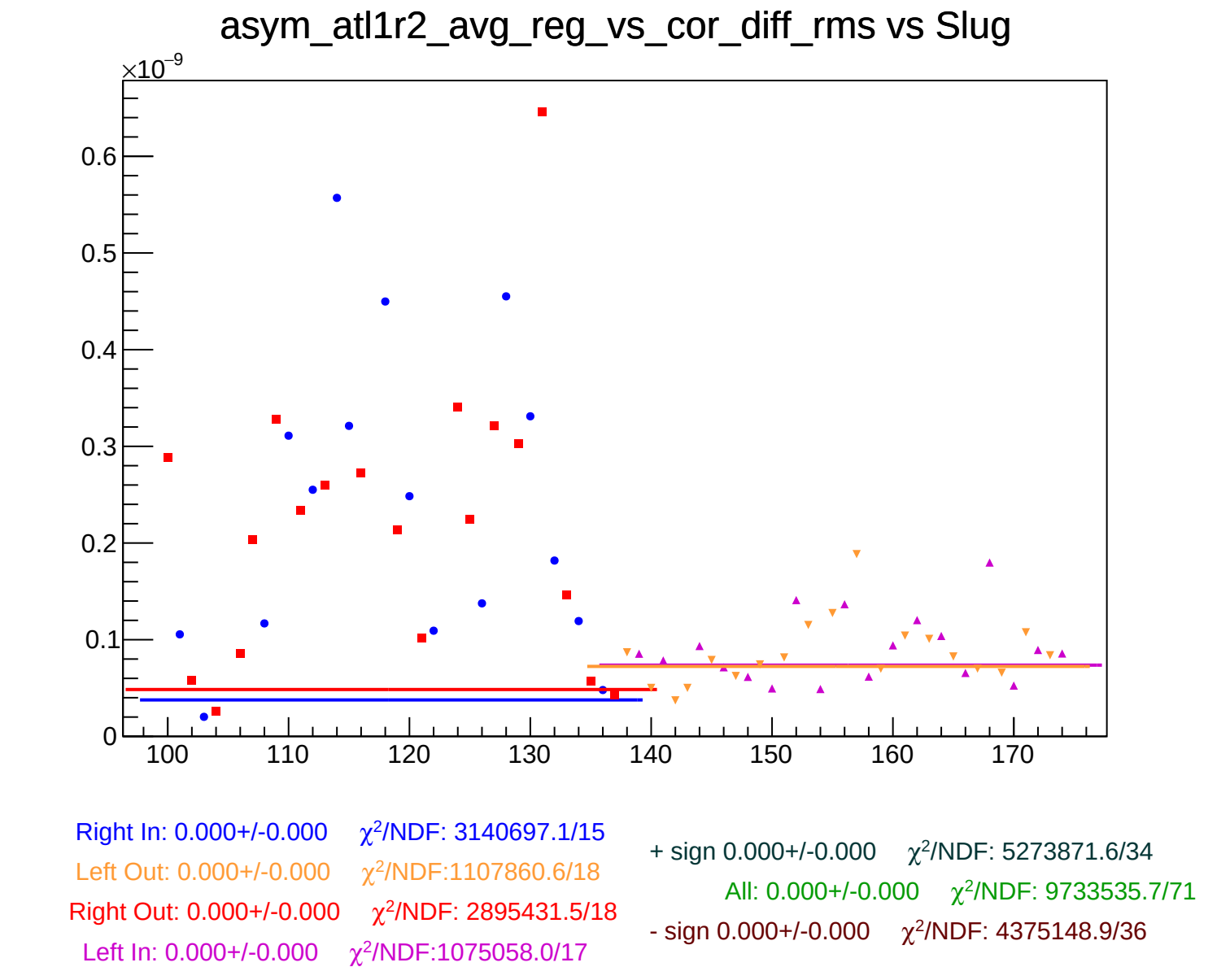
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

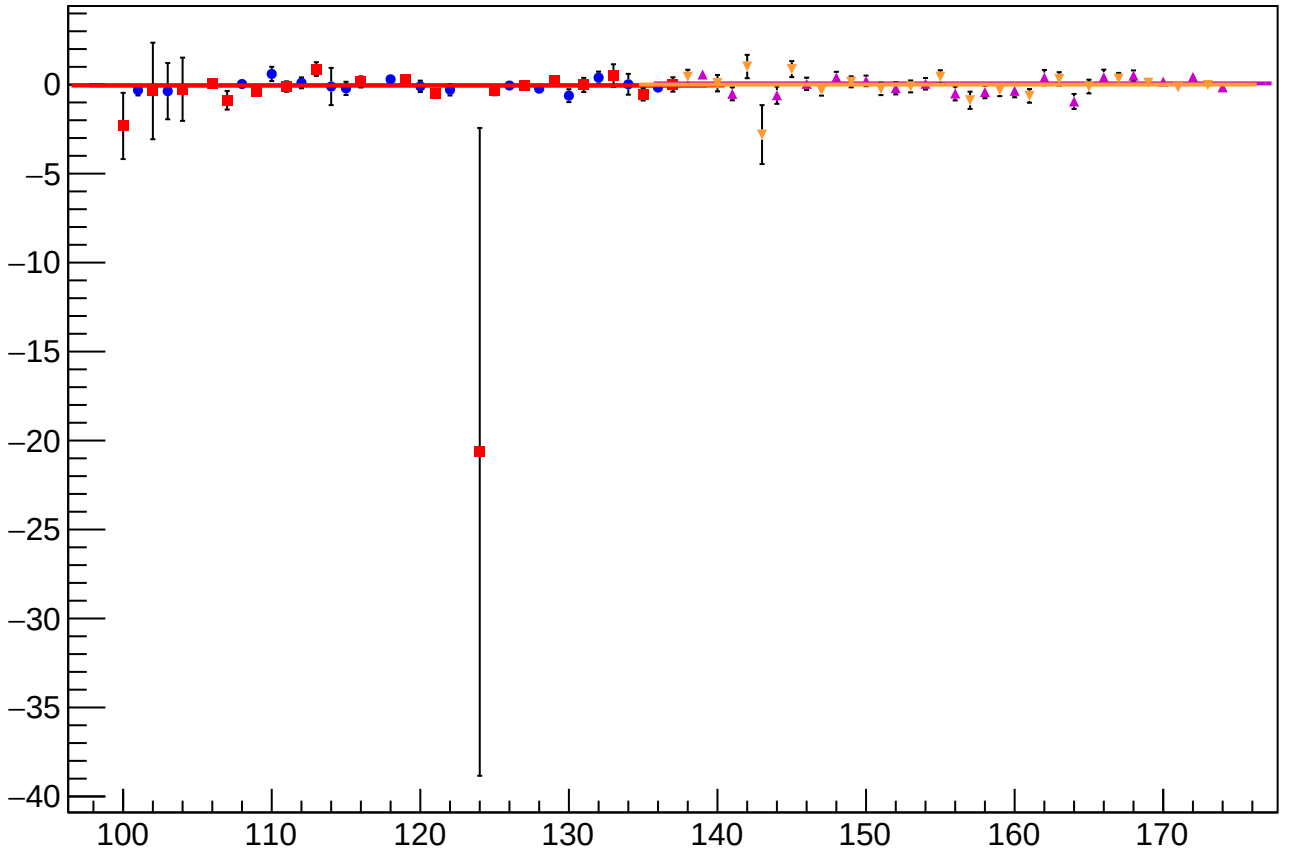
Left In: 0.000+/-0.000 χ^2/NDF:10.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 38.4/34

All: 0.000+/-0.000 χ^2/NDF: 77.9/71

- 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:1107860.6/18
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: 5273871.6/34
All: 0.000+/-0.000 χ²/NDF: 9733535.7/71
- sign 0.000+/-0.000 χ²/NDF: 4375148.9/36



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.005+/-0.077 χ^2/NDF:23.1/18

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

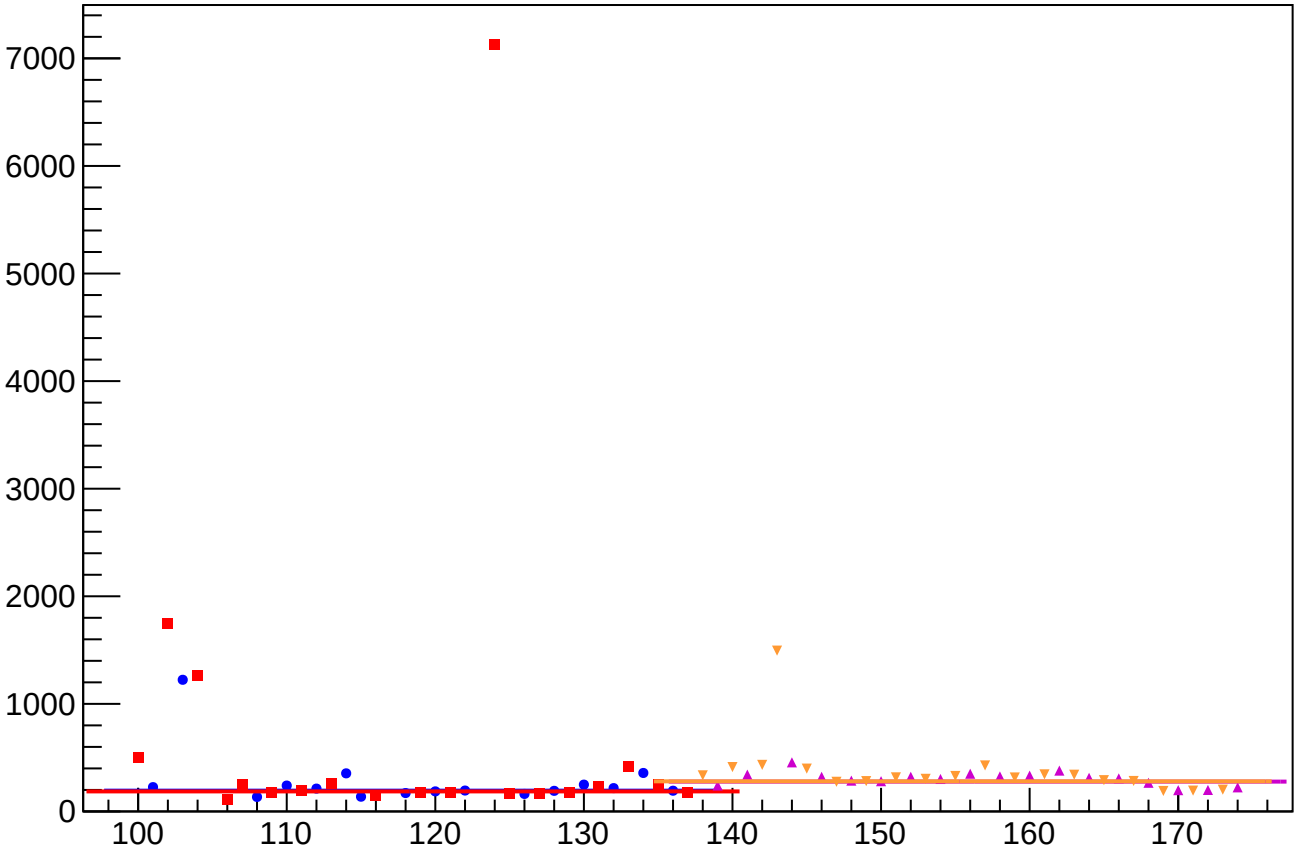
Left In: 0.070+/-0.075 χ^2/NDF:27.8/17

+ sign -0.018+/-0.055 χ^2/NDF: 35.0/34

All: -0.002+/-0.039 χ^2/NDF: 87.2/71

- 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: 279.966+/-0.055 χ^2/NDF:2791735.3/18

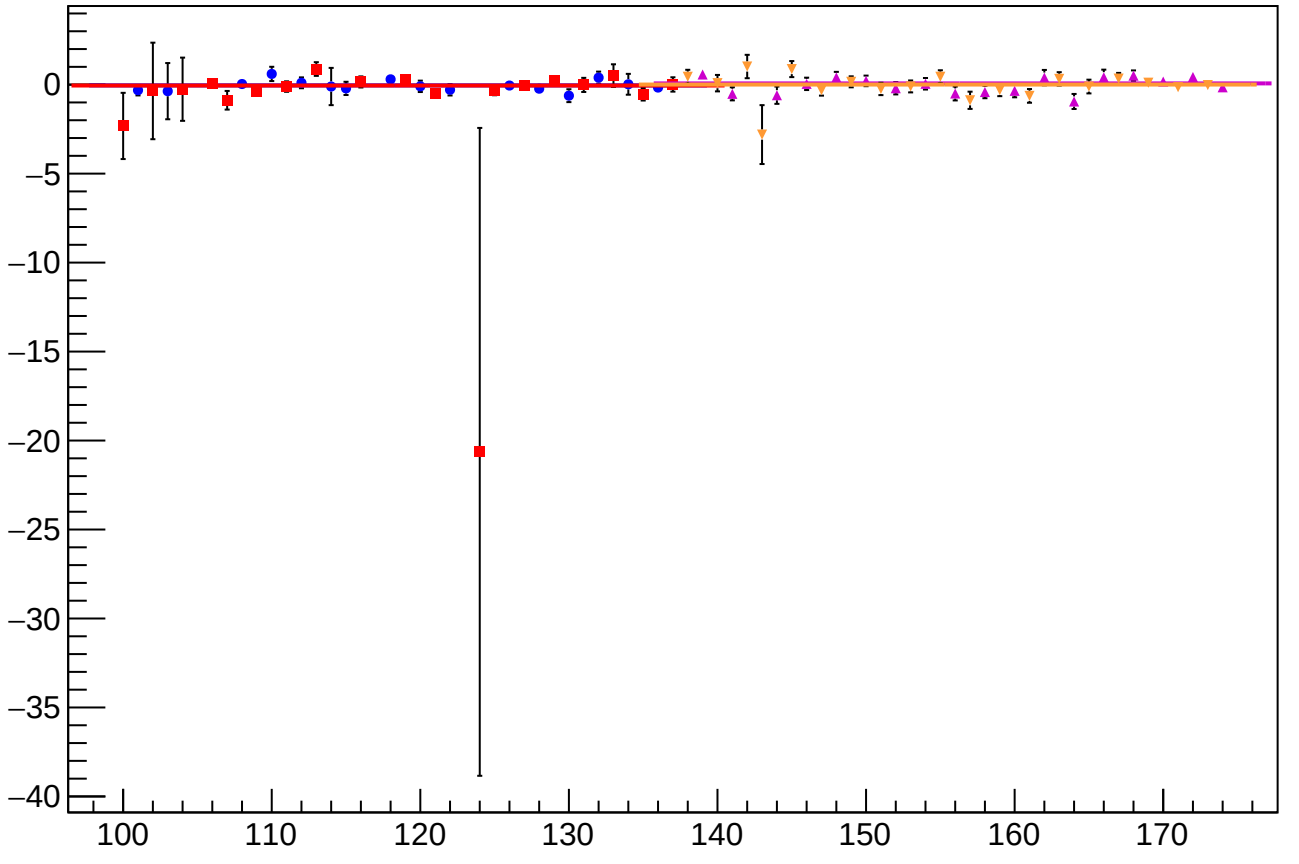
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 277.369+/-0.053 χ^2/NDF:1323455.3/17

+ sign 236.981+/-0.039 χ^2/NDF: 5454710.8/34

All: 235.556+/-0.027 χ^2/NDF: 10660405.3/71

- 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: 0.005+/-0.077 χ^2/NDF:23.1/18

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

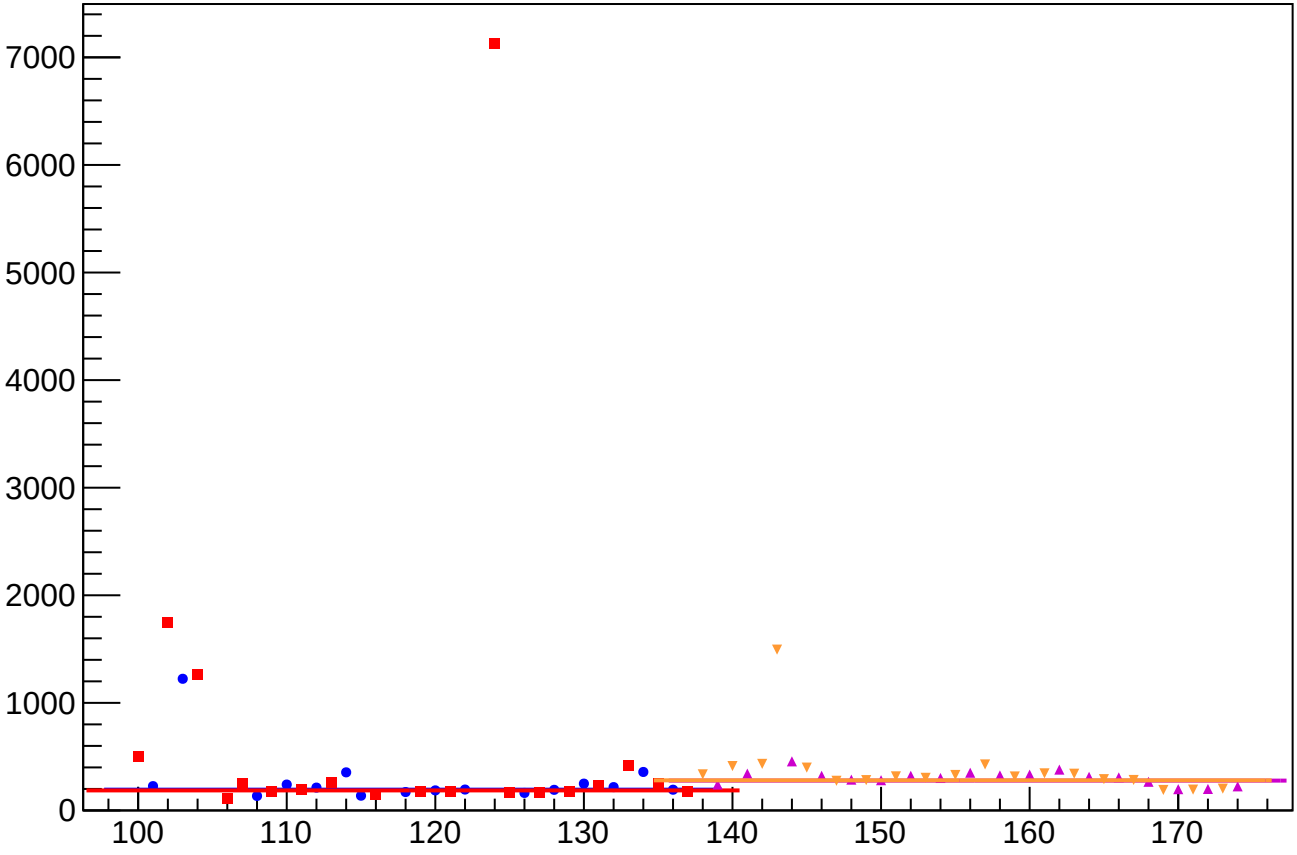
Left In: 0.070+/-0.075 χ^2/NDF:27.8/17

+ sign -0.018+/-0.055 χ^2/NDF: 35.0/34

All: -0.002+/-0.039 χ^2/NDF: 87.2/71

- 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: 279.966+/-0.055 χ^2/NDF:2791735.3/18

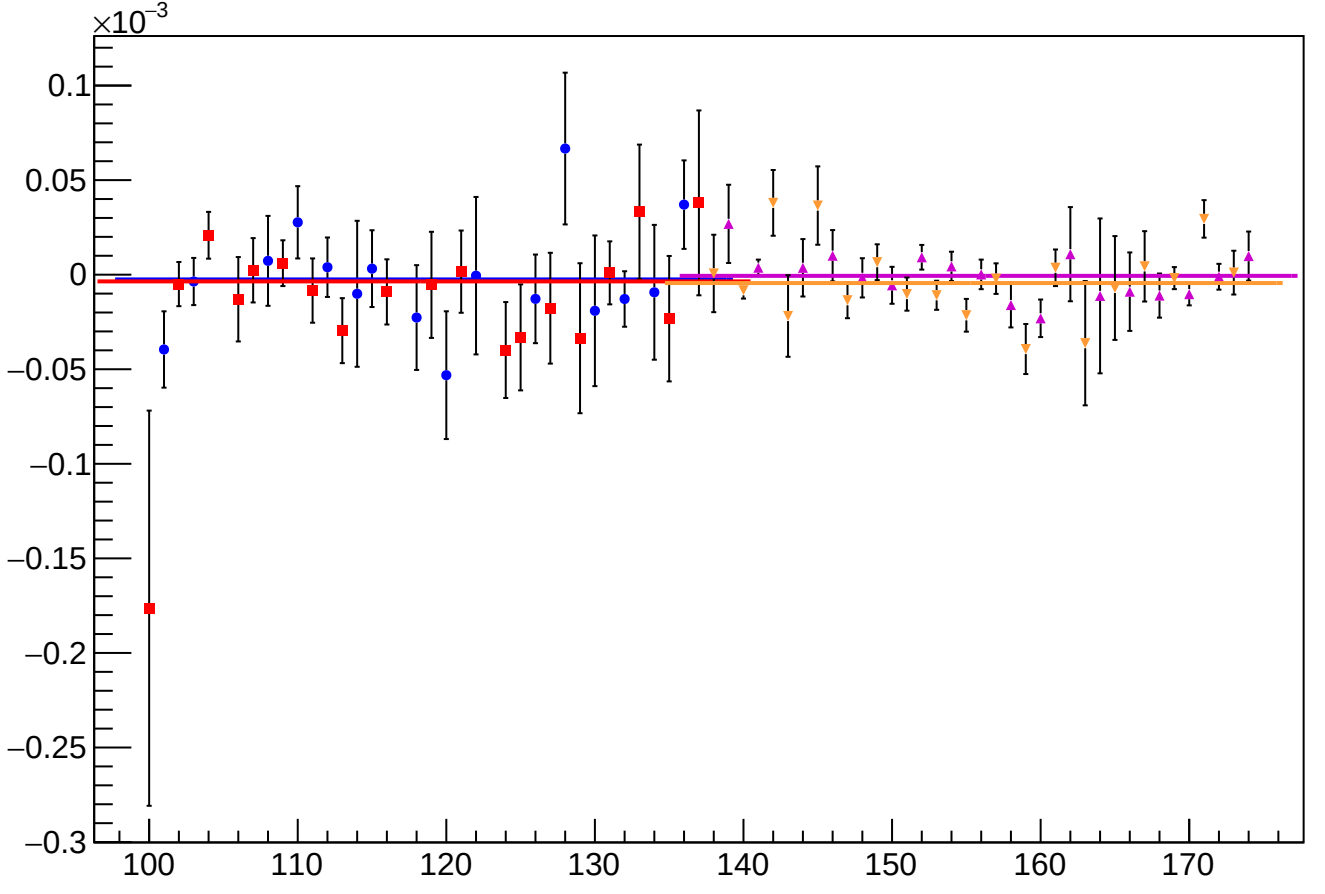
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 277.369+/-0.053 χ^2/NDF:1323455.3/17

+ sign 236.981+/-0.039 χ^2/NDF: 5454710.8/34

All: 235.556+/-0.027 χ^2/NDF: 10660405.3/71

- 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:39.7/18

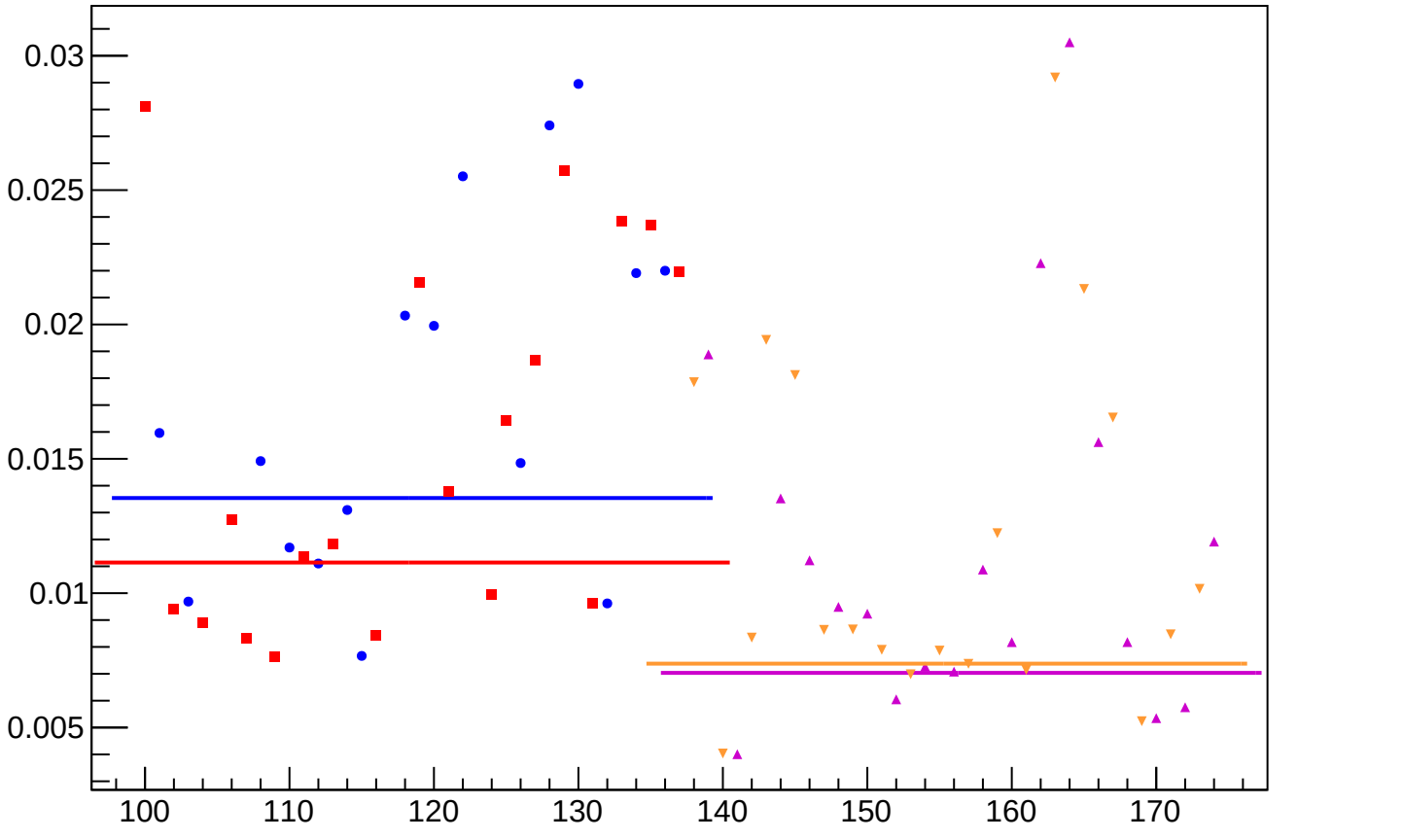
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:17.8/17

+ sign -0.000+/-0.000 χ^2/NDF: 55.6/34

All: -0.000+/-0.000 χ^2/NDF: 91.2/71

- sign -0.000+/-0.000 χ^2/NDF: 34.4/36



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:5500376.6/18

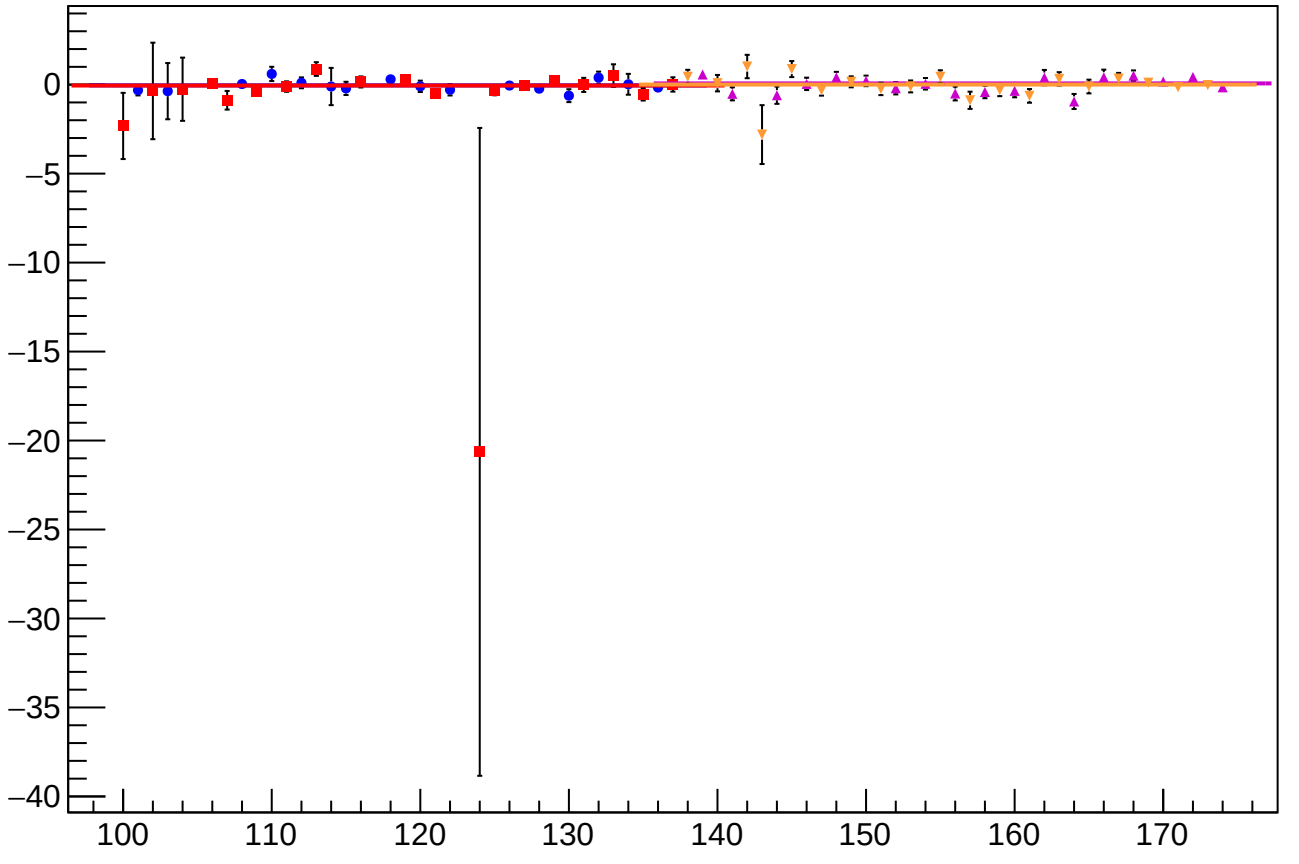
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:5001205.0/17

+ sign 0.008+/-0.000 χ^2/NDF: 9582373.1/34

All: 0.008+/-0.000 χ^2/NDF: 17911489.3/71

- sign 0.008+/-0.000 χ^2/NDF: 8276528.0/36



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.005+/-0.077 χ^2/NDF:23.1/18

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

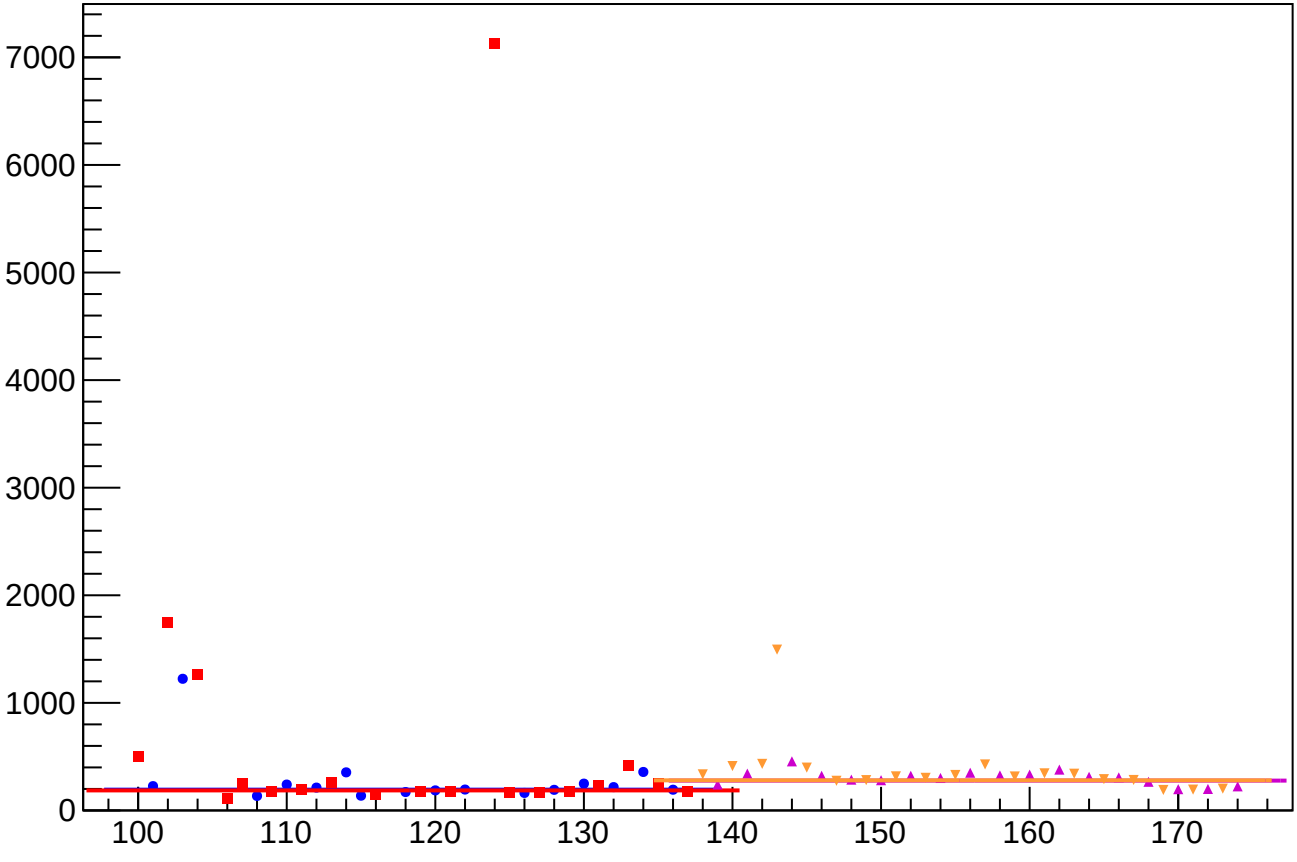
Left In: 0.070+/-0.075 χ^2/NDF:27.8/17

+ sign -0.018+/-0.055 χ^2/NDF: 35.0/34

All: -0.002+/-0.039 χ^2/NDF: 87.2/71

- 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: 279.969+/-0.055 χ^2/NDF:2791808.4/18

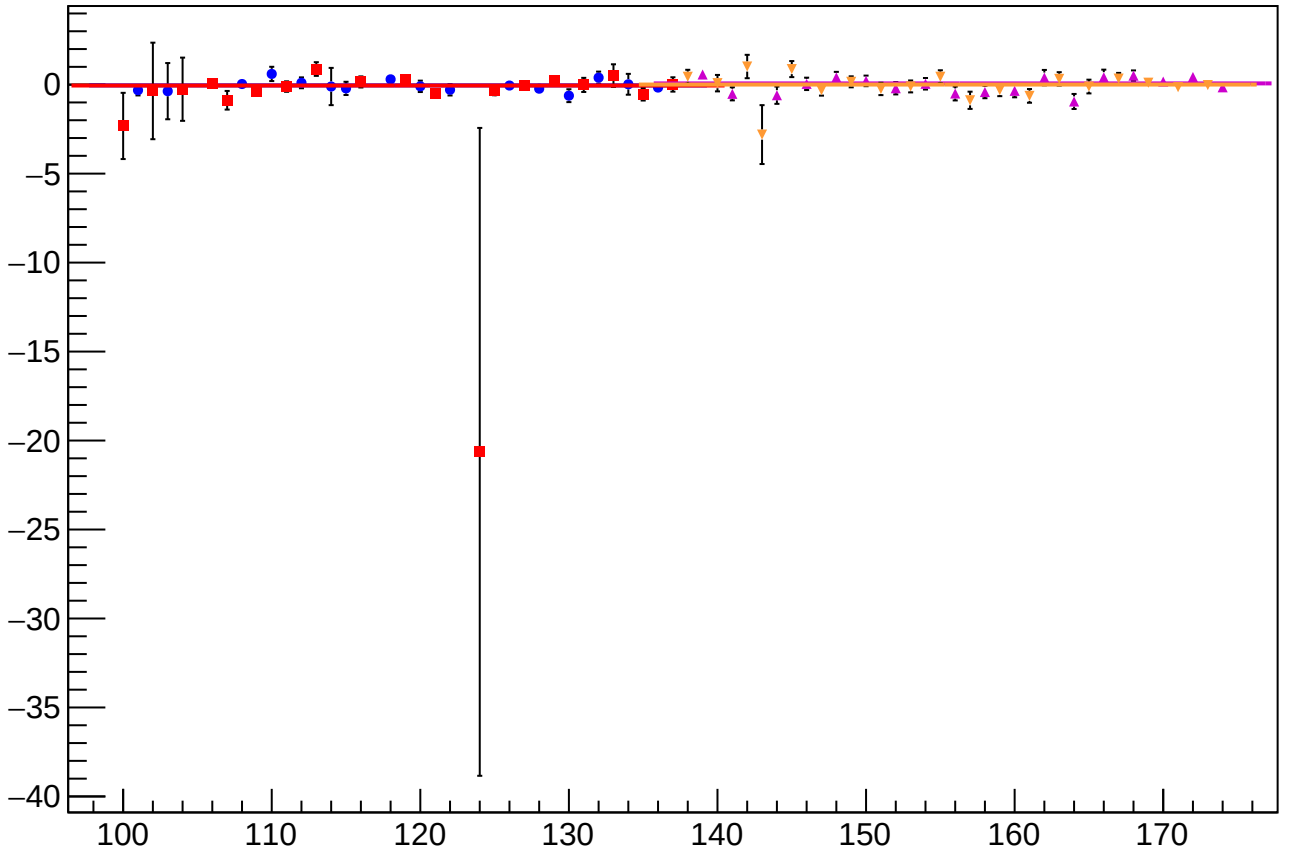
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 277.372+/-0.053 χ^2/NDF:1323506.3/17

+ sign 236.981+/-0.039 χ^2/NDF: 5454885.8/34

All: 235.555+/-0.027 χ^2/NDF: 10660817.3/71

- 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: 0.005+/-0.077 χ^2/NDF:23.1/18

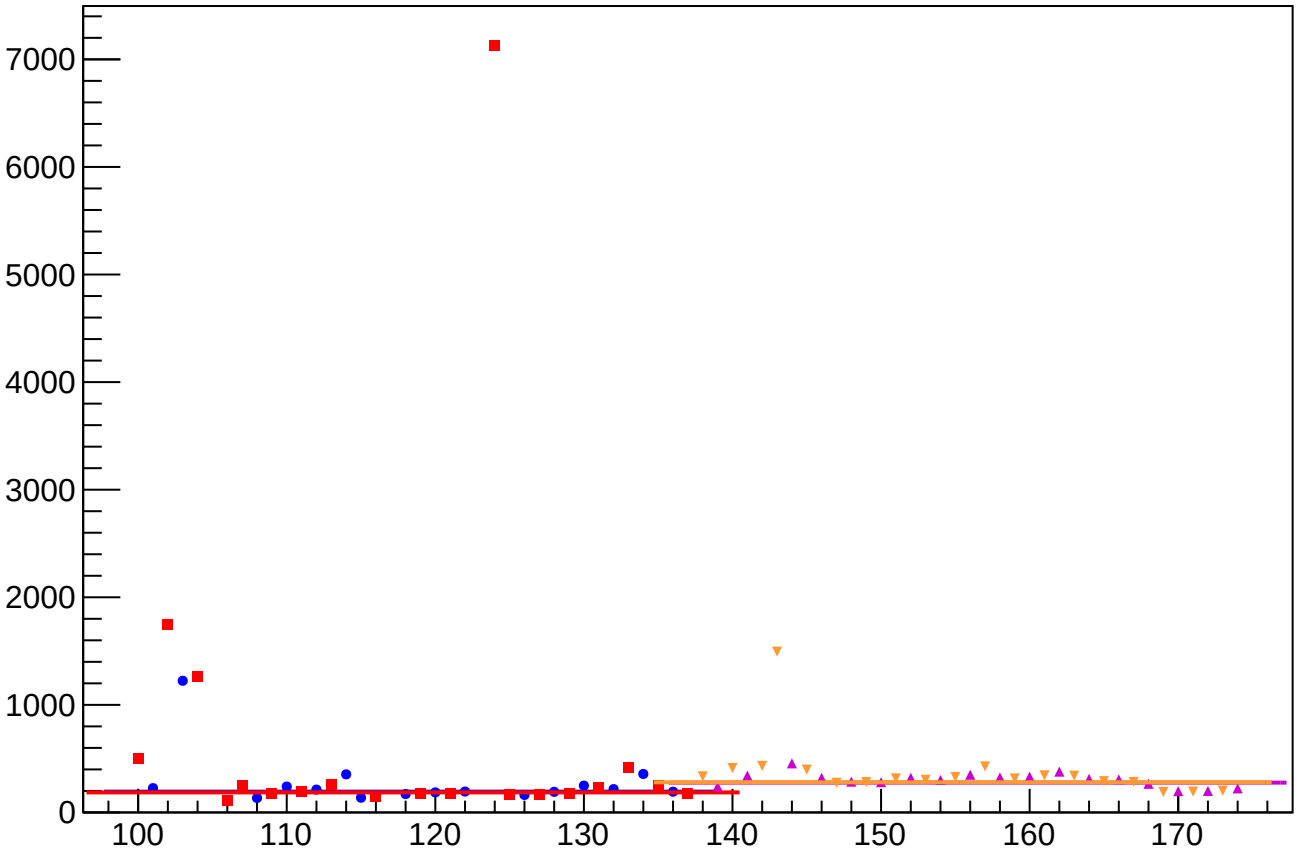
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.070+/-0.075 χ^2/NDF:27.8/17

+ sign -0.018+/-0.055 χ^2/NDF: 35.0/34

All: -0.002+/-0.039 χ^2/NDF: 87.2/71

- 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: 279.969+/-0.055 χ^2/NDF:2791808.4/18

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

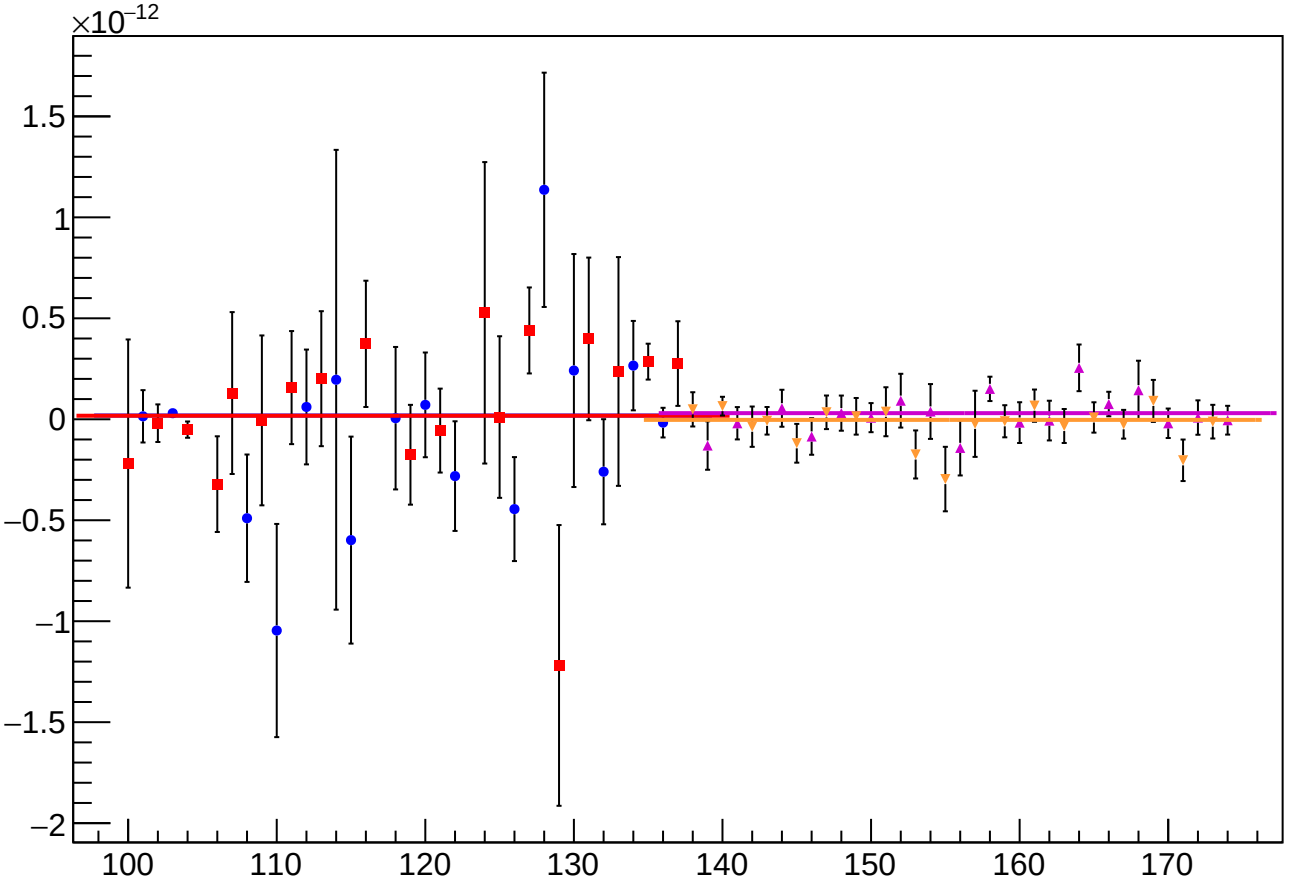
Left In: 277.372+/-0.053 χ^2/NDF:1323506.3/17

+ sign 236.981+/-0.039 χ^2/NDF: 5454885.8/34

All: 235.555+/-0.027 χ^2/NDF: 10660817.3/71

- sign 234.153+/-0.038 χ^2/NDF: 5203240.4/36

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

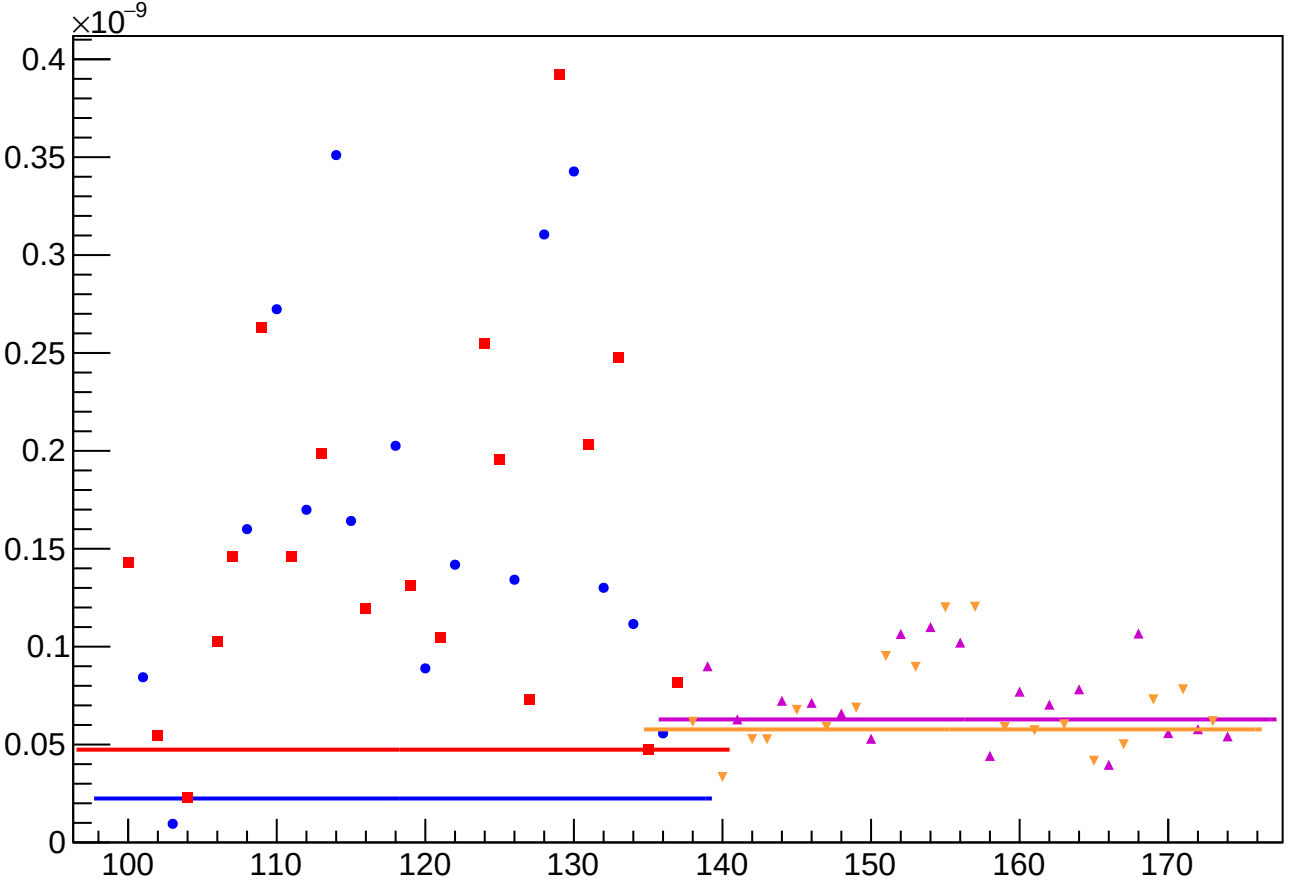
Left In: 0.000+/-0.000 χ^2/NDF:15.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/34

All: 0.000+/-0.000 χ^2/NDF: 79.4/71

- sign 0.000+/-0.000 χ^2/NDF: 43.1/36

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1795894.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

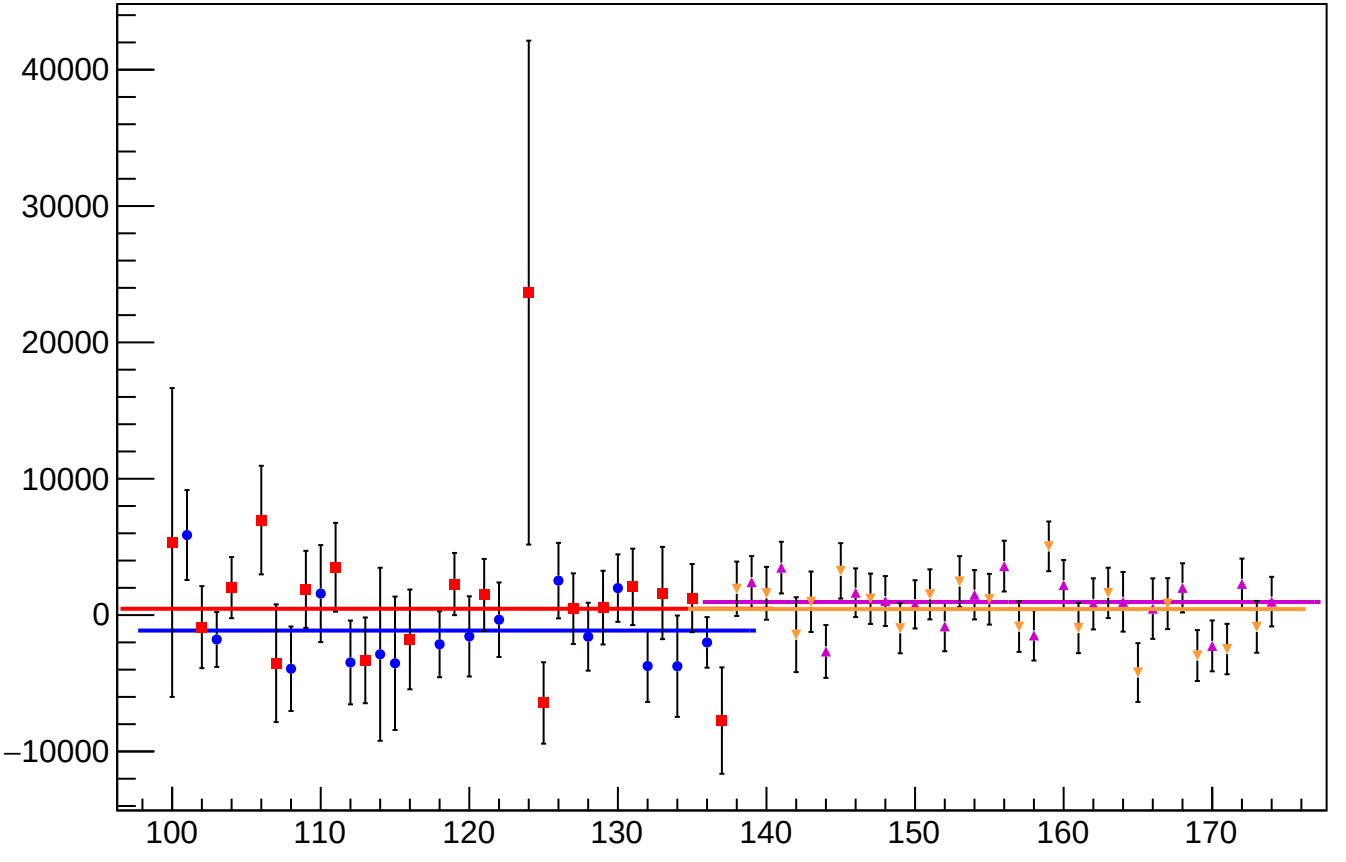
Left In: 0.000+/-0.000 χ^2/NDF:1607212.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 11322263.0/34

All: 0.000+/-0.000 χ^2/NDF: 18664924.7/71

- sign 0.000+/-0.000 χ^2/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: 441.491+/-442.985 χ^2/NDF:24.6/18

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

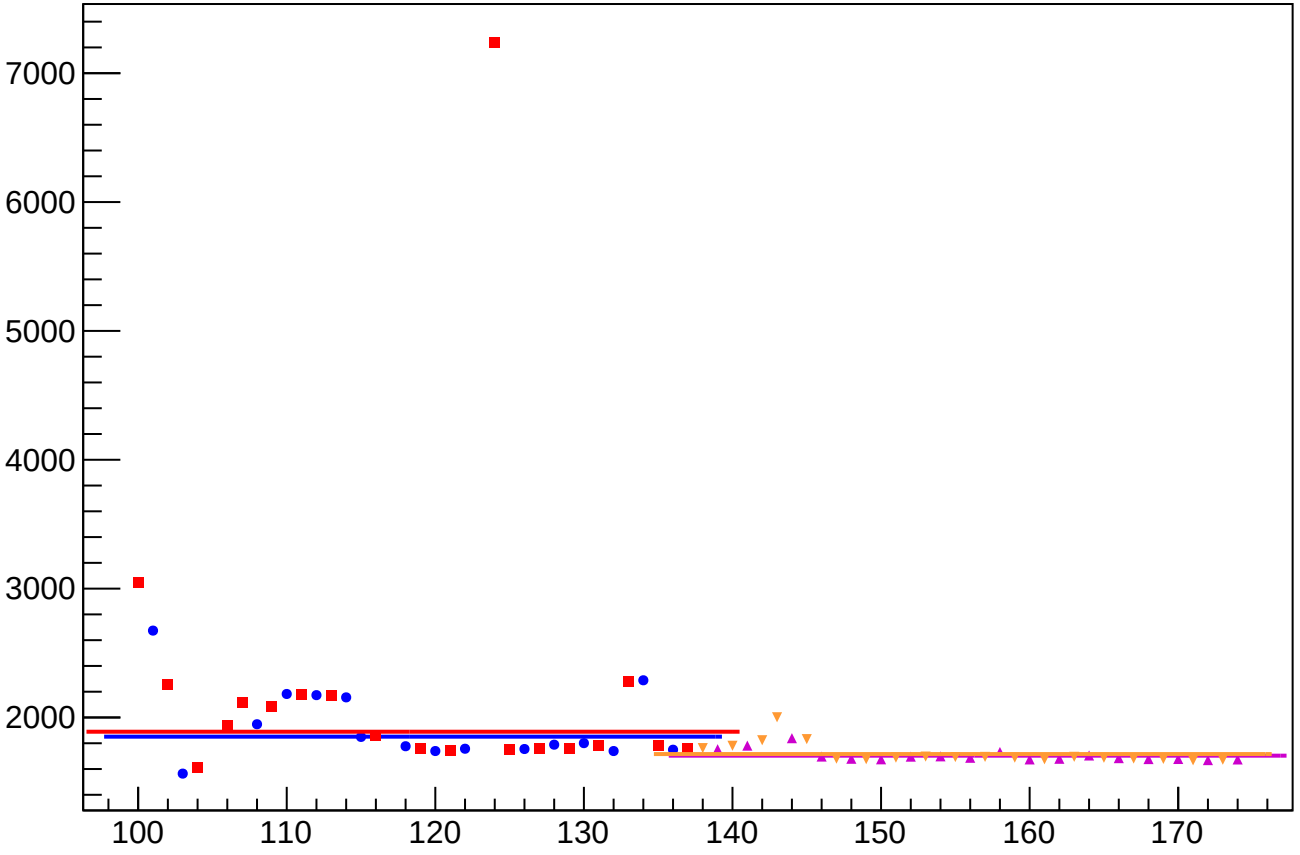
Left In: 962.820+/-441.756 χ^2/NDF:15.2/17

+ sign -14.981+/-373.366 χ^2/NDF: 40.5/34

All: 402.705+/-264.401 χ^2/NDF: 78.5/71

- 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: 1716.058+/-0.313 χ^2/NDF:55003.9/18

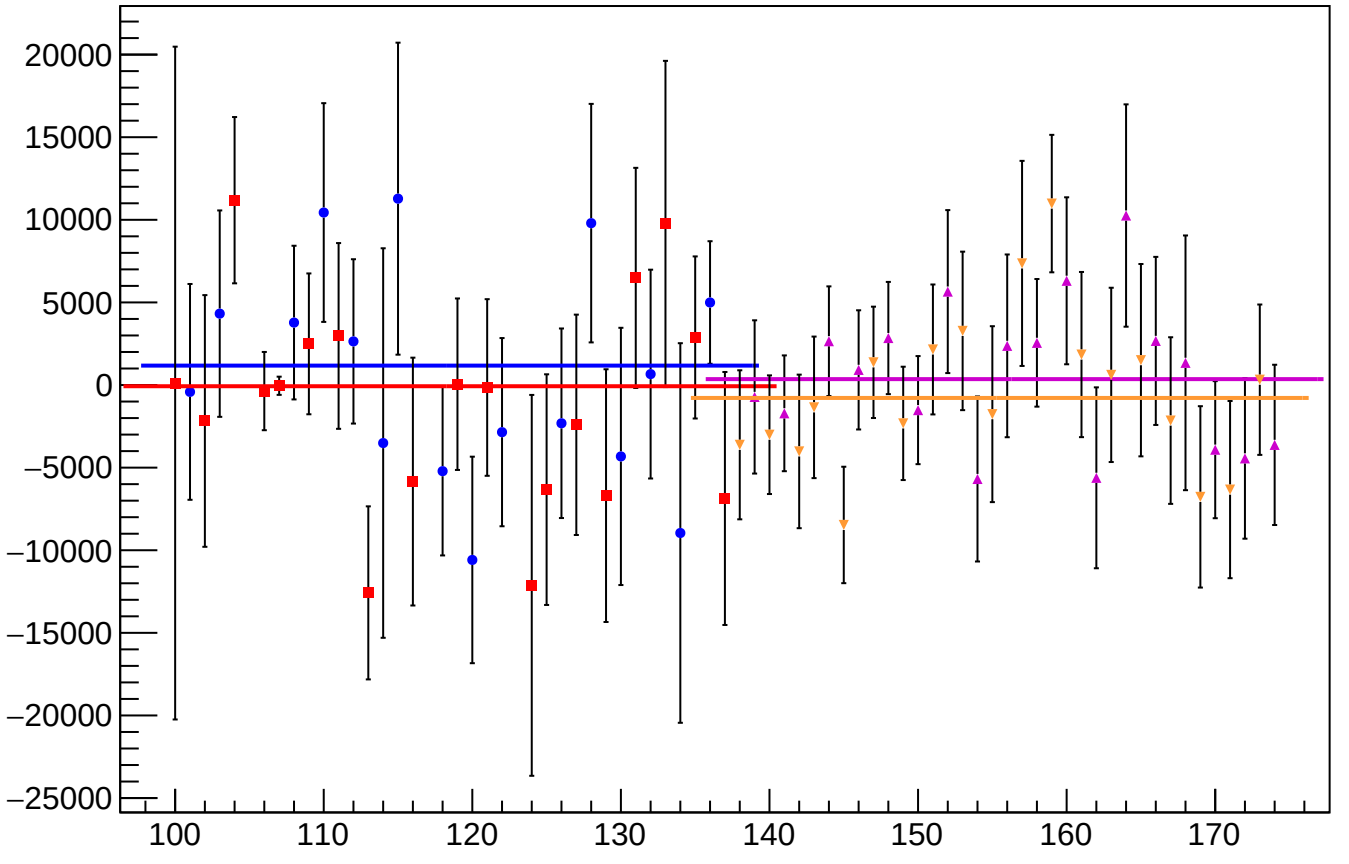
Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1703.664+/-0.312 χ^2/NDF:19133.5/17

+ sign 1755.177+/-0.264 χ^2/NDF: 368838.2/34

All: 1755.658+/-0.187 χ^2/NDF: 846842.5/71

- sign 1756.141+/-0.265 χ^2/NDF: 477997.6/36



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -781.740+/-1015.720 χ^2/NDF:20.6/18

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

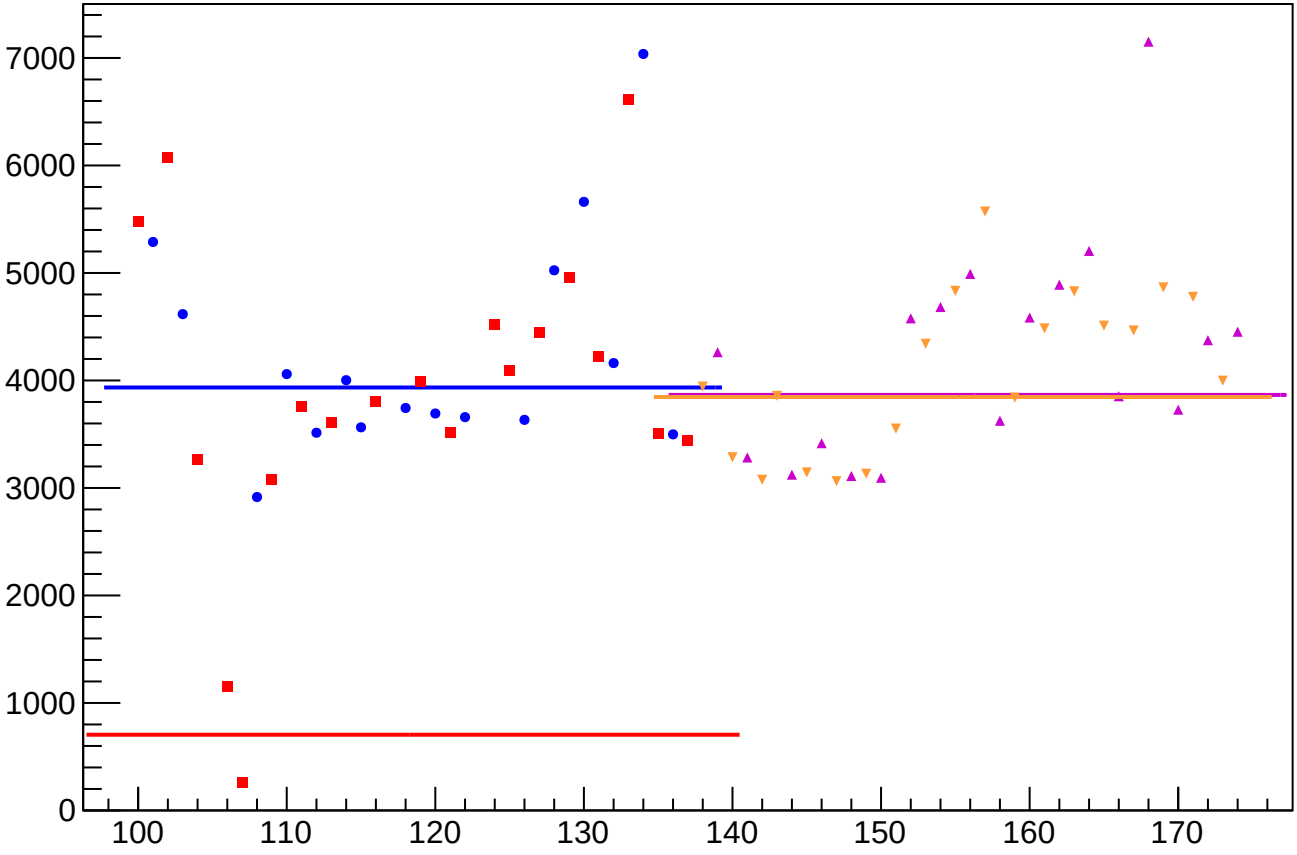
Left In: 357.410+/-1026.175 χ^2/NDF:12.5/17

+ sign -167.646+/-841.415 χ^2/NDF: 35.5/34

All: -28.952+/-399.280 χ^2/NDF: 66.1/71

- 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: 3846.451+/-0.718 χ^2/NDF:924047.5/18

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

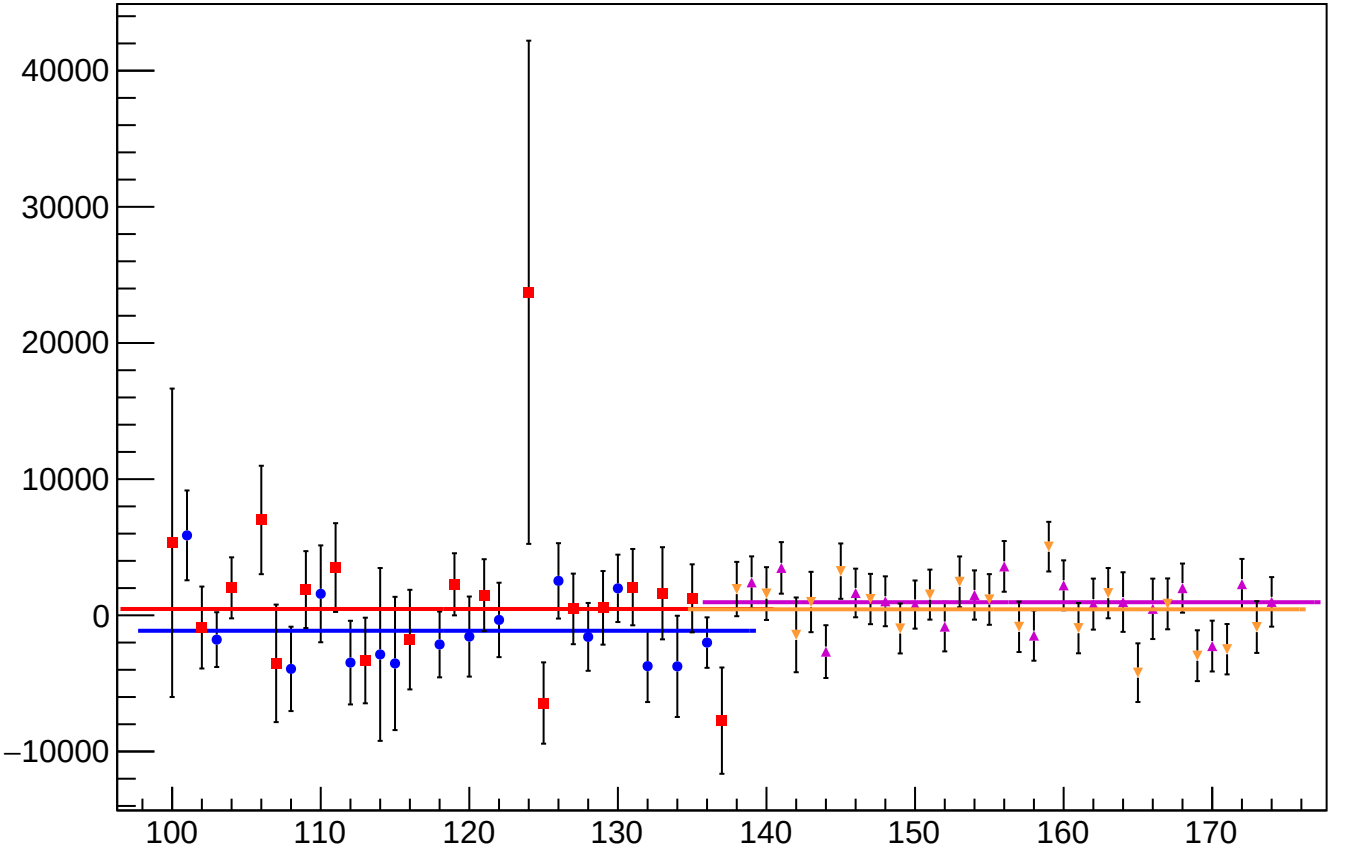
Left In: 3865.559+/-0.726 χ^2/NDF:1203172.0/17

+ sign 3874.146+/-0.595 χ^2/NDF: 1488912.2/34

All: 1896.749+/-0.282 χ^2/NDF: 42837706.2/7

- 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: 441.580+/-442.985 χ^2/NDF:24.6/18

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

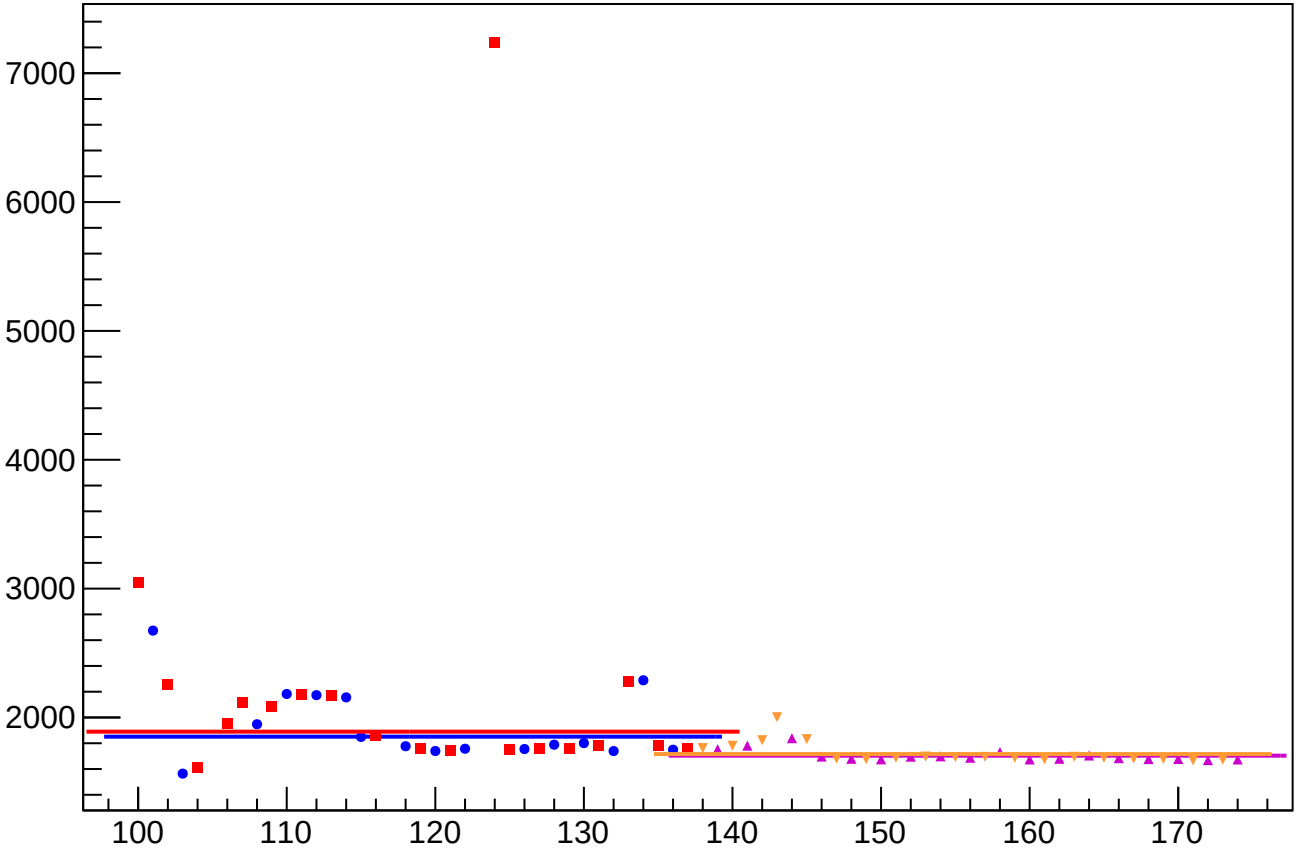
Left In: 962.716+/-441.756 χ^2/NDF:15.2/17

+ sign -14.794+/-373.366 χ^2/NDF: 40.5/34

All: 402.814+/-264.402 χ^2/NDF: 78.6/71

- 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: 1716.058+/-0.313 χ^2/NDF:55003.9/18

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

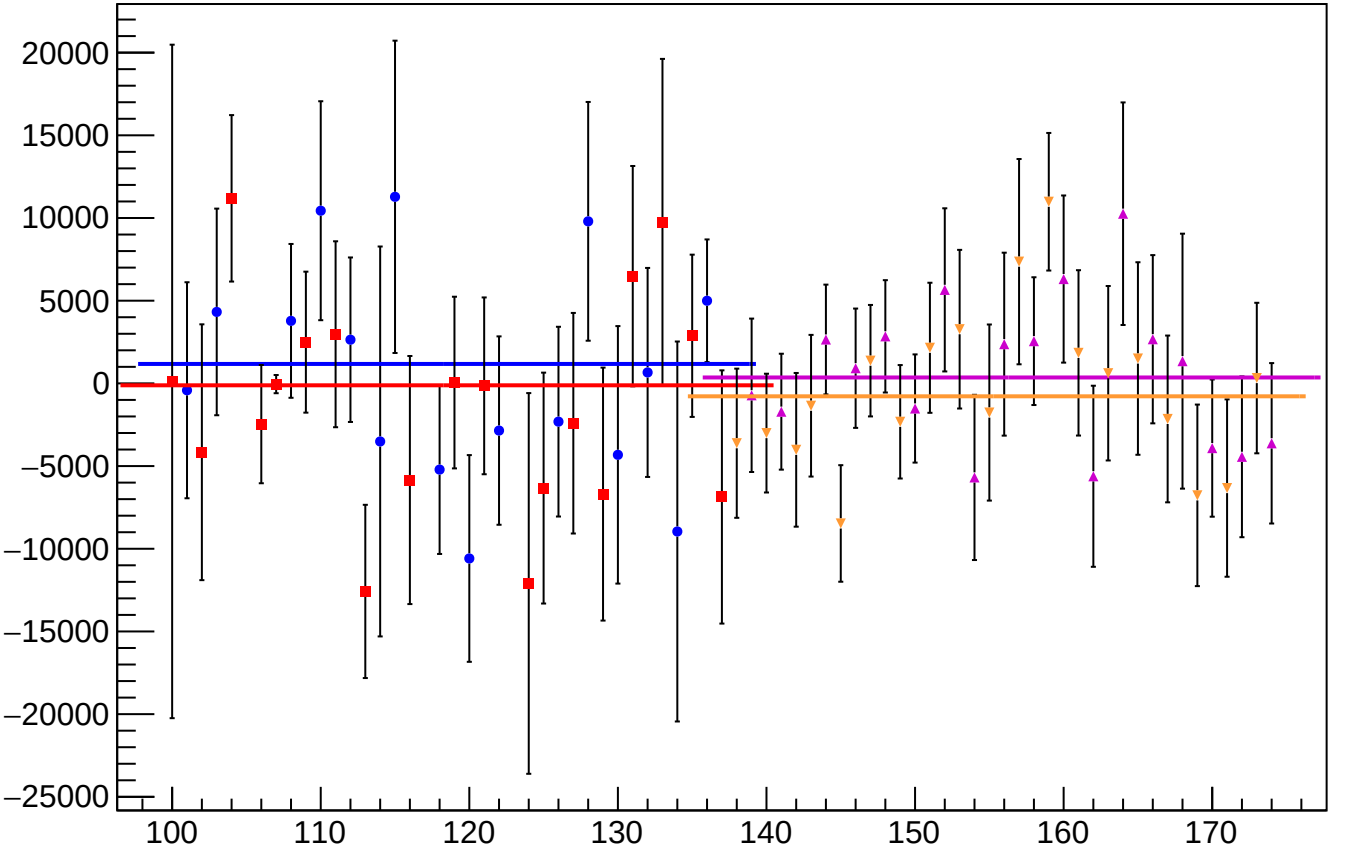
Left In: 1703.664+/-0.312 χ^2/NDF:19133.5/17

+ sign 1755.178+/-0.264 χ^2/NDF: 368837.7/34

All: 1755.714+/-0.187 χ^2/NDF: 847524.1/71

- sign 1756.253+/-0.265 χ^2/NDF: 478678.1/36

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -781.737+/-1015.718 χ^2/NDF:20.6/18

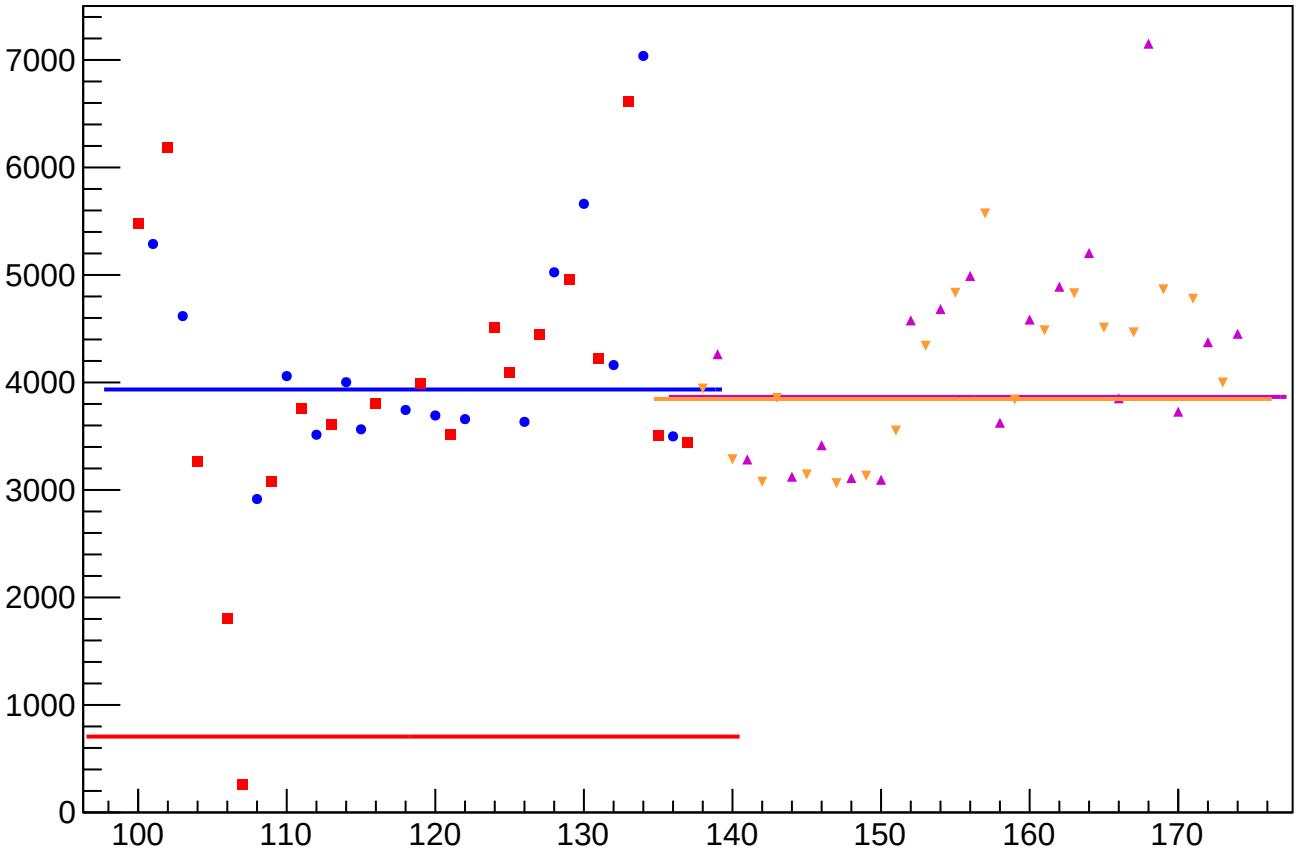
Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 357.378+/-1026.175 χ^2/NDF:12.5/17

\+ sign -167.656+/-841.415 χ^2/NDF: 35.5/34

All: -54.940+/-402.503 χ^2/NDF: 66.7/71

\- 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: 3846.440+/-0.718 χ^2/NDF:924055.8/18

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

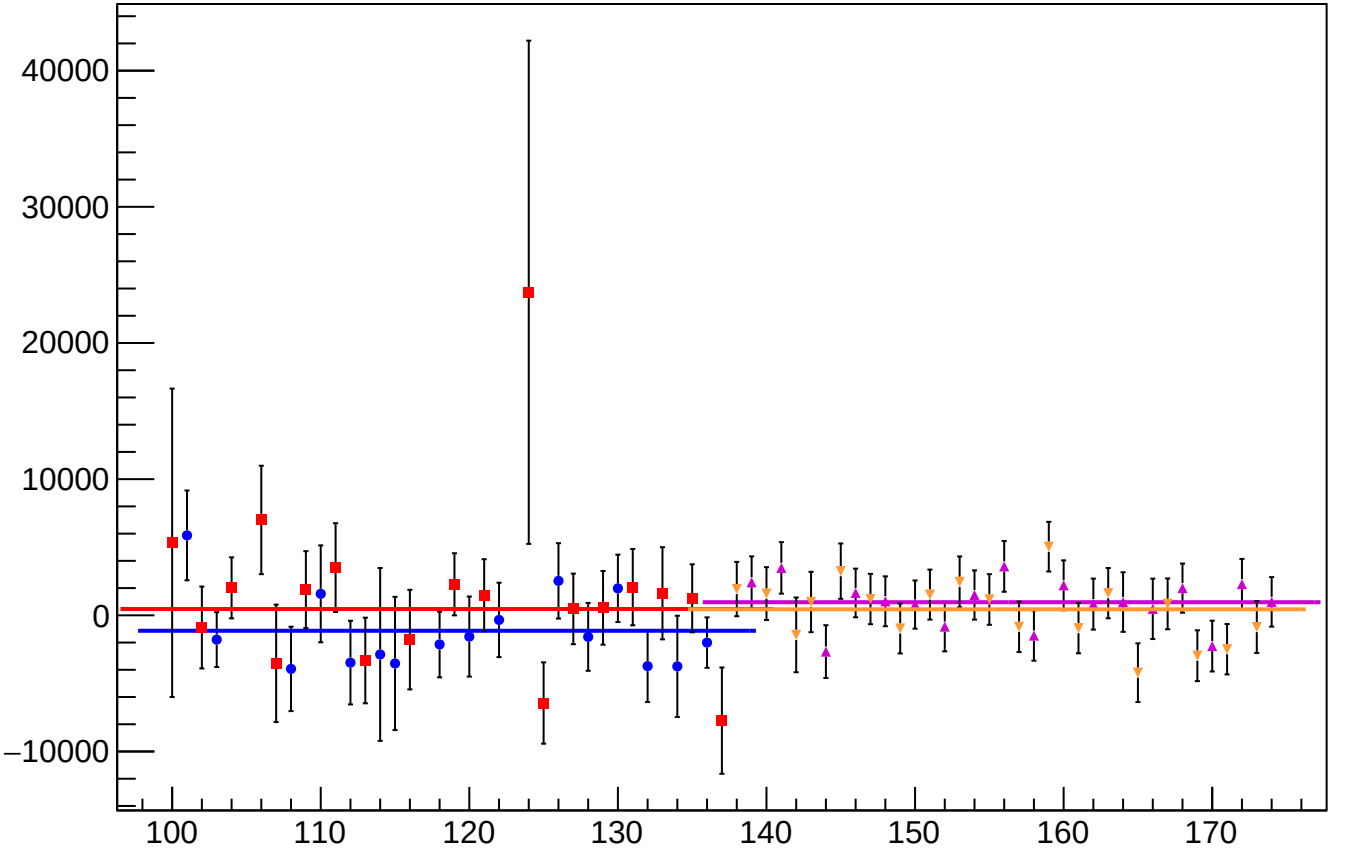
Left In: 3865.558+/-0.726 χ^2/NDF:1203159.9/17

+ sign 3874.141+/-0.595 χ^2/NDF: 1488946.7/34

All: 1916.837+/-0.285 χ^2/NDF: 42654358.4/7

- 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: 441.580+/-442.985 χ^2/NDF:24.6/18

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

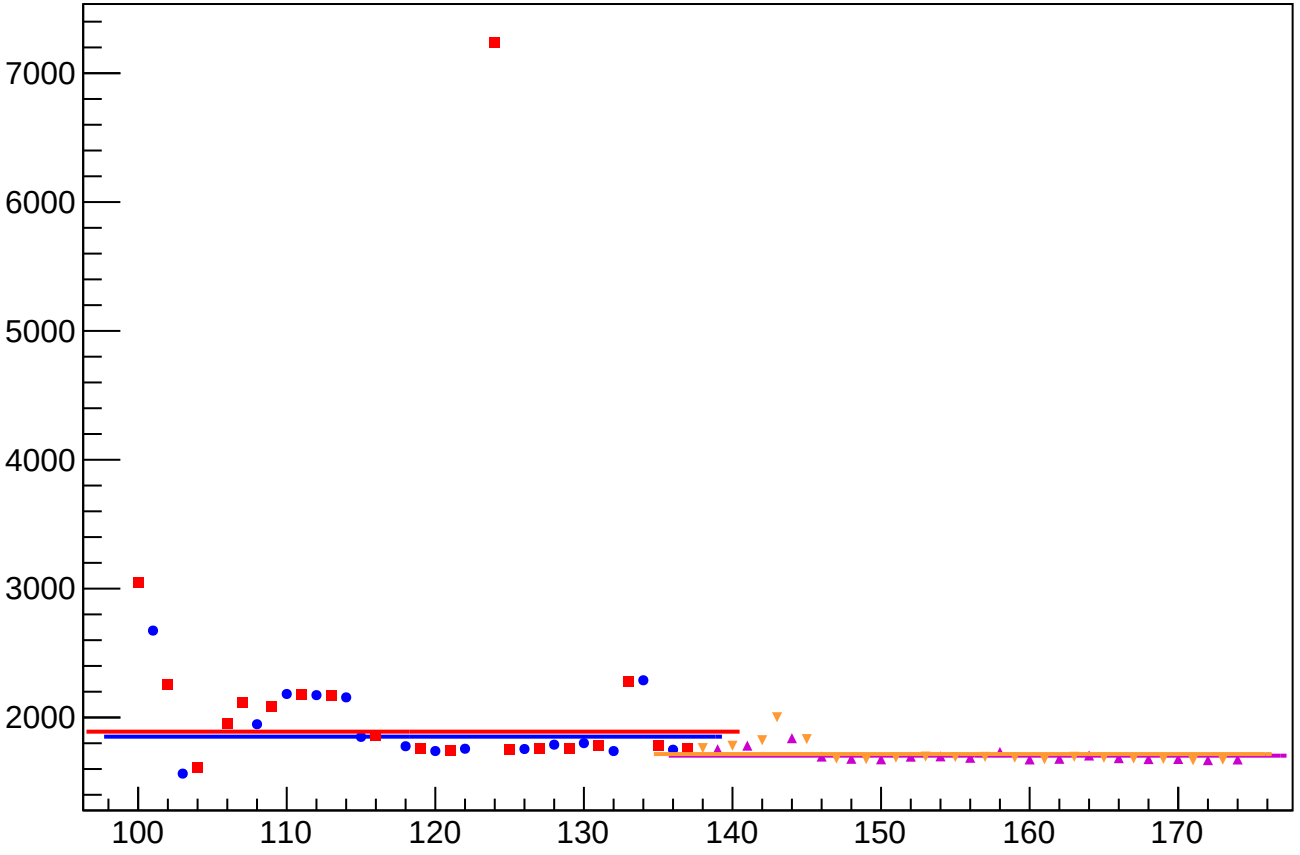
Left In: 962.716+/-441.756 χ^2/NDF:15.2/17

+ sign -14.794+/-373.366 χ^2/NDF: 40.5/34

All: 402.814+/-264.402 χ^2/NDF: 78.6/71

- 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: 1716.058+/-0.313 χ^2/NDF:55003.9/18

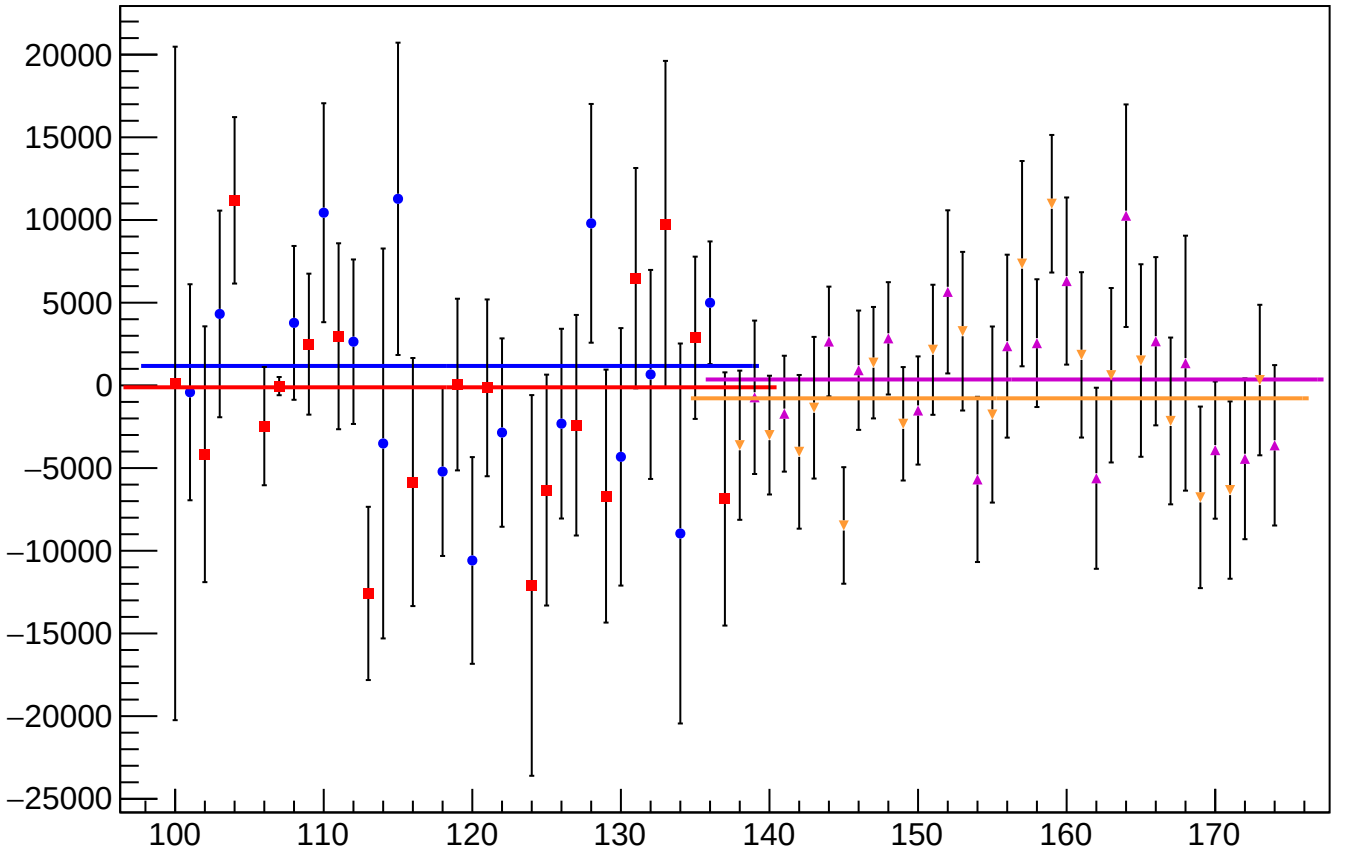
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1703.664+/-0.312 χ^2/NDF:19133.5/17

+ sign 1755.178+/-0.264 χ^2/NDF: 368837.7/34

All: 1755.714+/-0.187 χ^2/NDF: 847524.1/71

- 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: -781.737+/-1015.718 χ^2/NDF:20.6/18

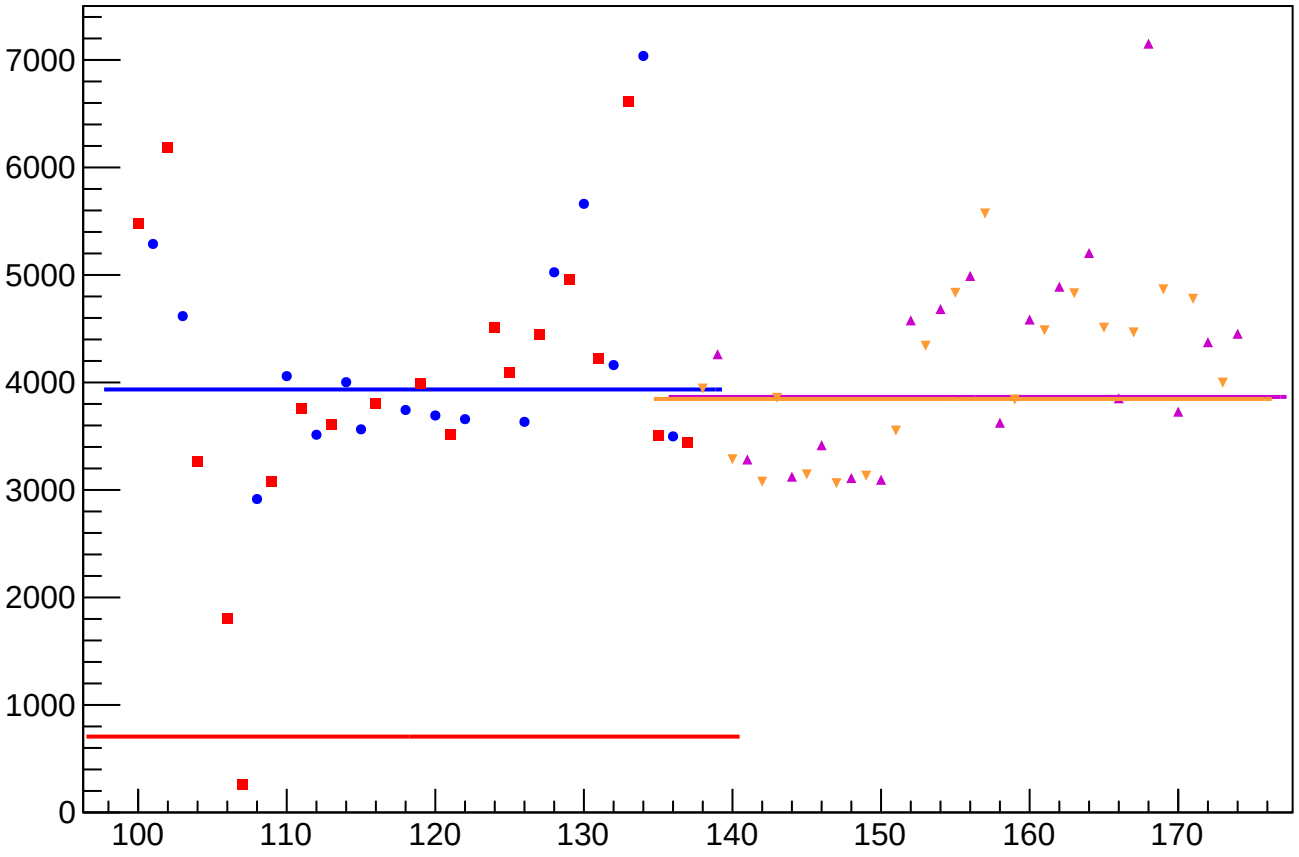
Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 357.378+/-1026.175 χ^2/NDF:12.5/17

+ sign -167.656+/-841.415 χ^2/NDF: 35.5/34

All: -54.940+/-402.503 χ^2/NDF: 66.7/71

- 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: 3846.440+/-0.718 χ^2/NDF:924055.8/18

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

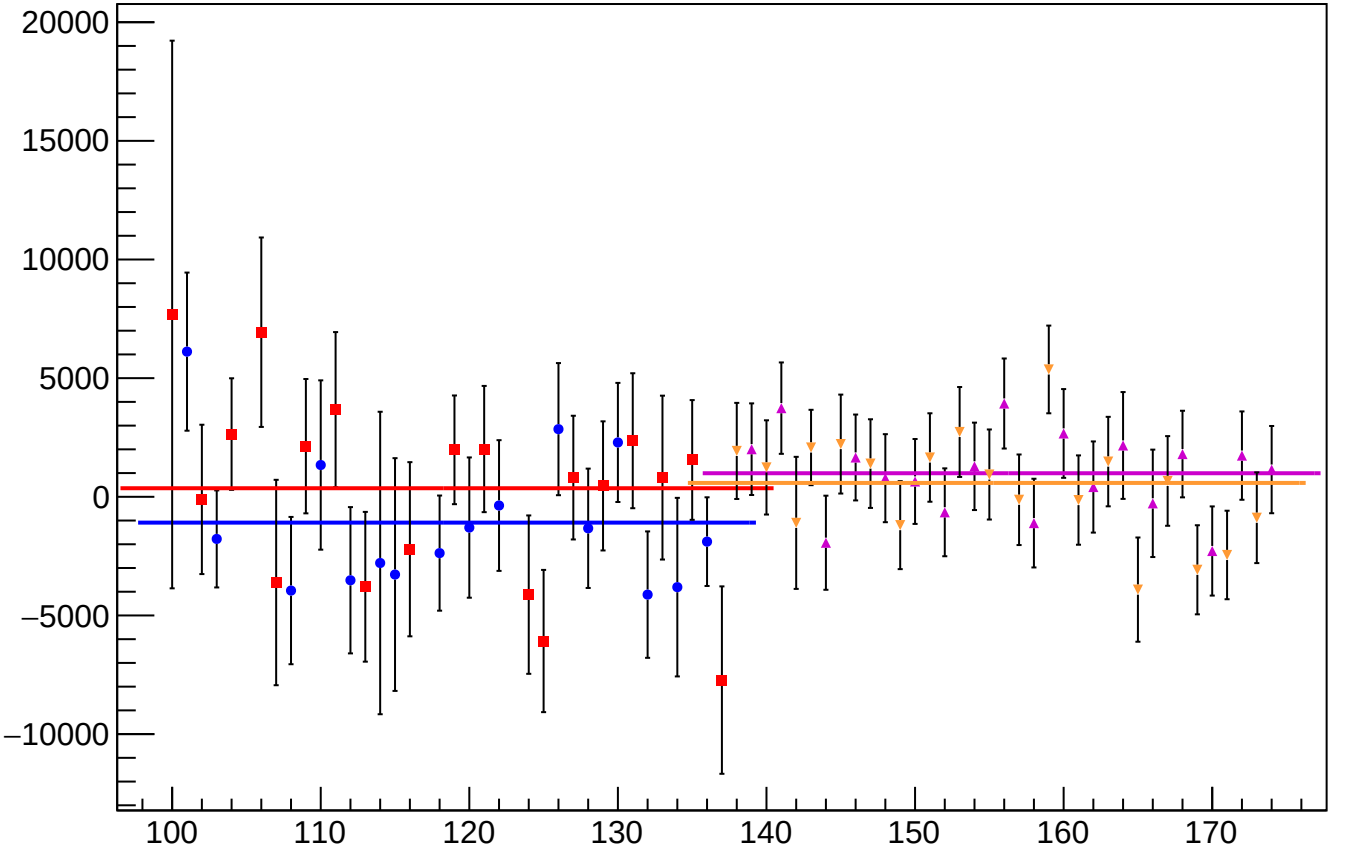
Left In: 3865.558+/-0.726 χ^2/NDF:1203159.9/17

+ sign 3874.141+/-0.595 χ^2/NDF: 1488946.7/34

All: 1916.837+/-0.285 χ^2/NDF: 42654358.4/7

- 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: 584.920+/-441.156 χ^2/NDF:23.6/18

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

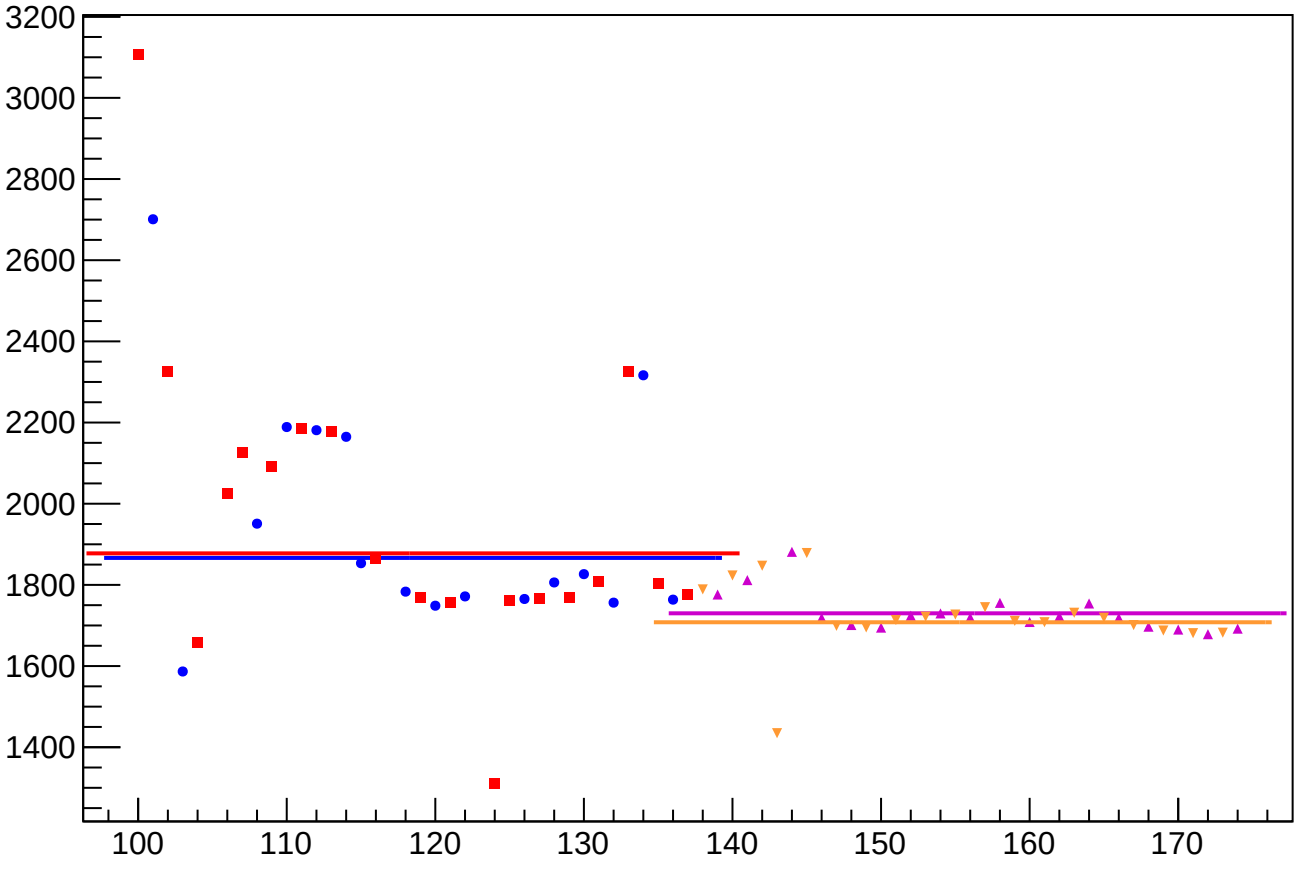
Left In: 993.334+/-448.613 χ^2/NDF:14.0/17

+ sign 109.021+/-373.157 χ^2/NDF: 40.9/34

All: 454.906+/-265.436 χ^2/NDF: 78.1/71

- sign 809.173+/-377.651 χ^2/NDF: 35.4/36

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1707.910+/-0.312 χ^2/NDF:90224.3/18

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

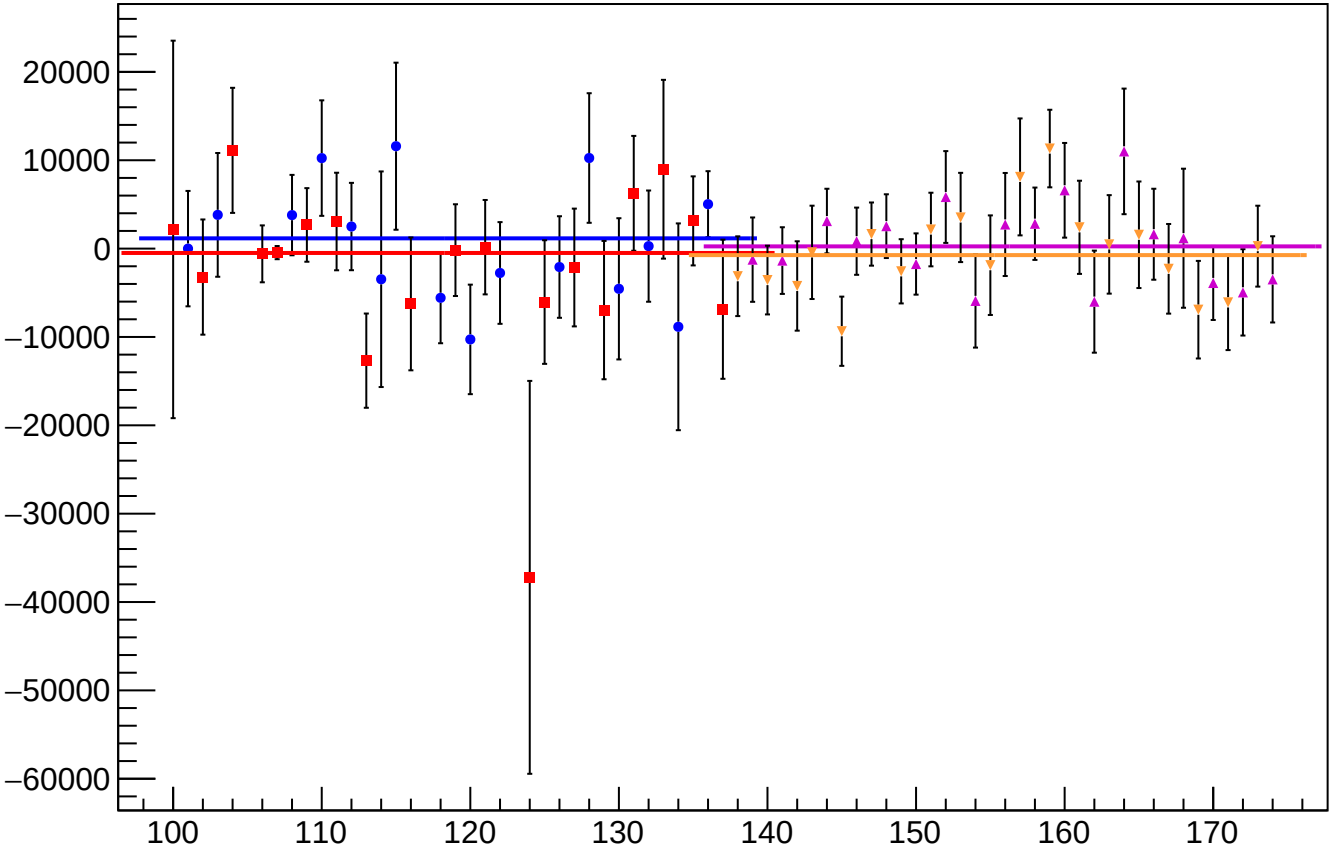
Left In: 1729.965+/-0.317 χ^2/NDF:22749.1/17

+ sign 1753.019+/-0.264 χ^2/NDF: 419982.5/34

All: 1762.915+/-0.188 χ^2/NDF: 760657.7/71

- sign 1773.045+/-0.267 χ^2/NDF: 337829.1/36

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -735.695+/-1077.262 χ^2/NDF:20.3/18

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

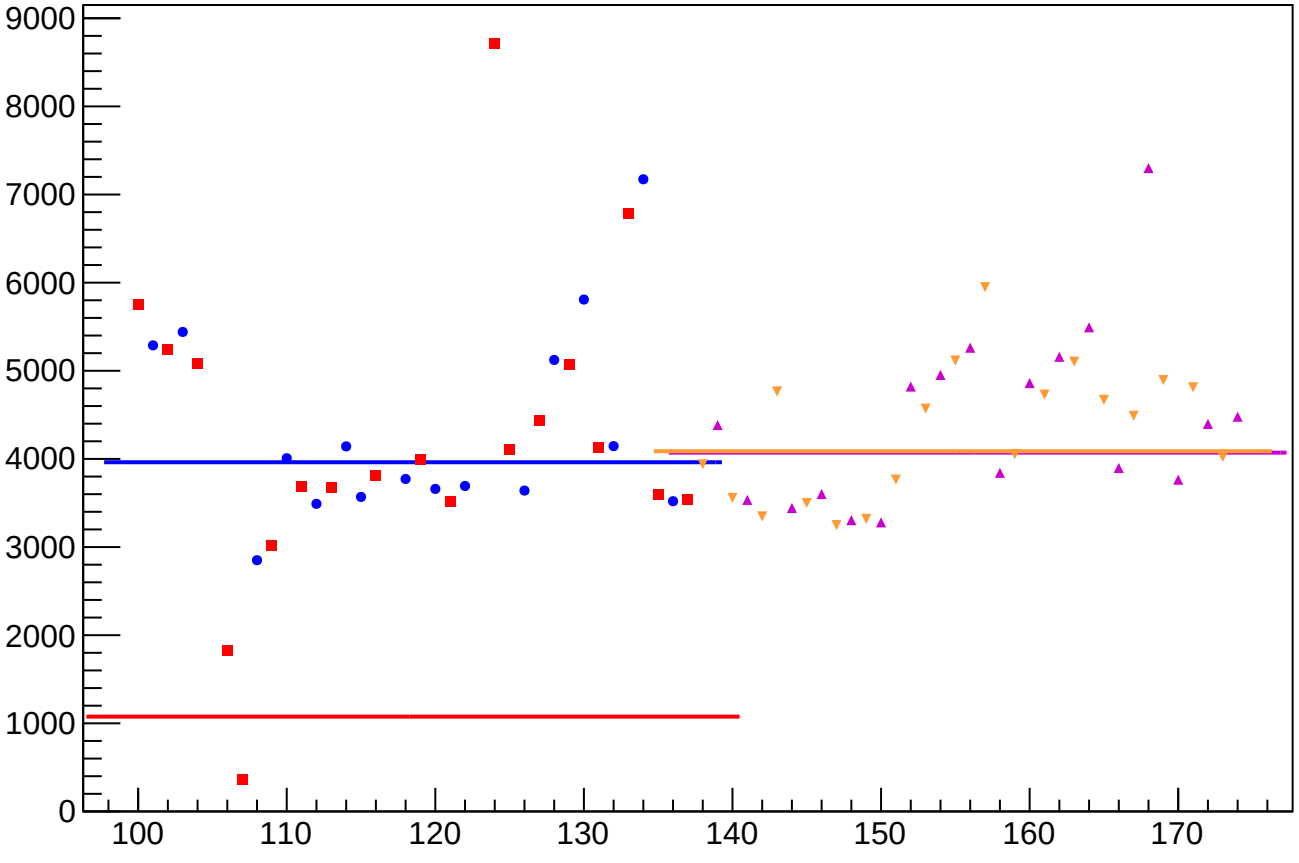
Left In: 251.955+/-1078.706 χ^2/NDF:12.4/17

+ sign -97.157+/-877.399 χ^2/NDF: 35.0/34

All: -234.375+/-473.277 χ^2/NDF: 64.7/71

- 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: 4087.531+/-0.762 χ^2/NDF:821241.7/18

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

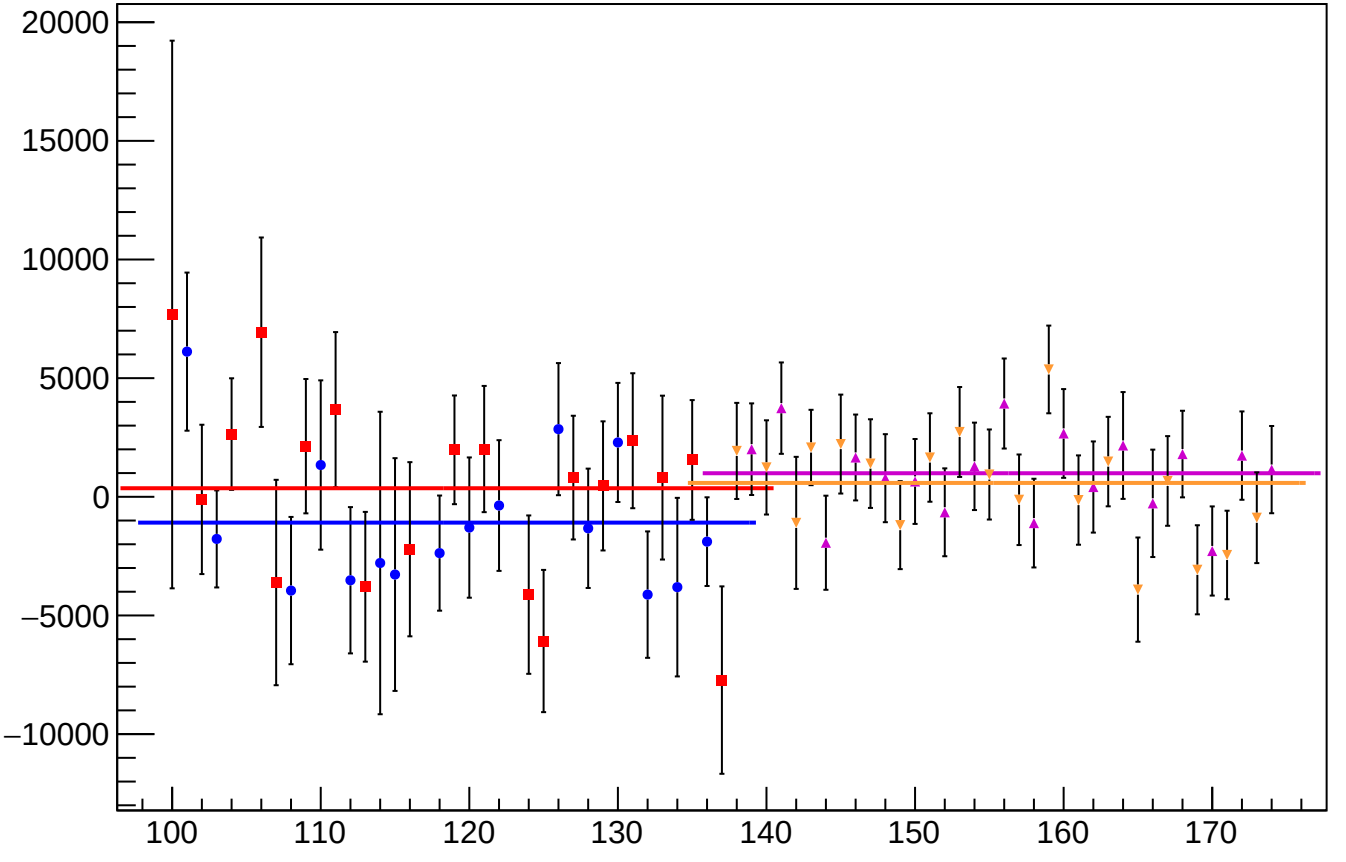
Left In: 4071.270+/-0.763 χ^2/NDF:1086828.1/17

+ sign 4045.397+/-0.620 χ^2/NDF: 1498670.0/34

All: 2516.540+/-0.335 χ^2/NDF: 31942570.3/7

- 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: 584.923+/-441.156 χ^2/NDF:23.6/18

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

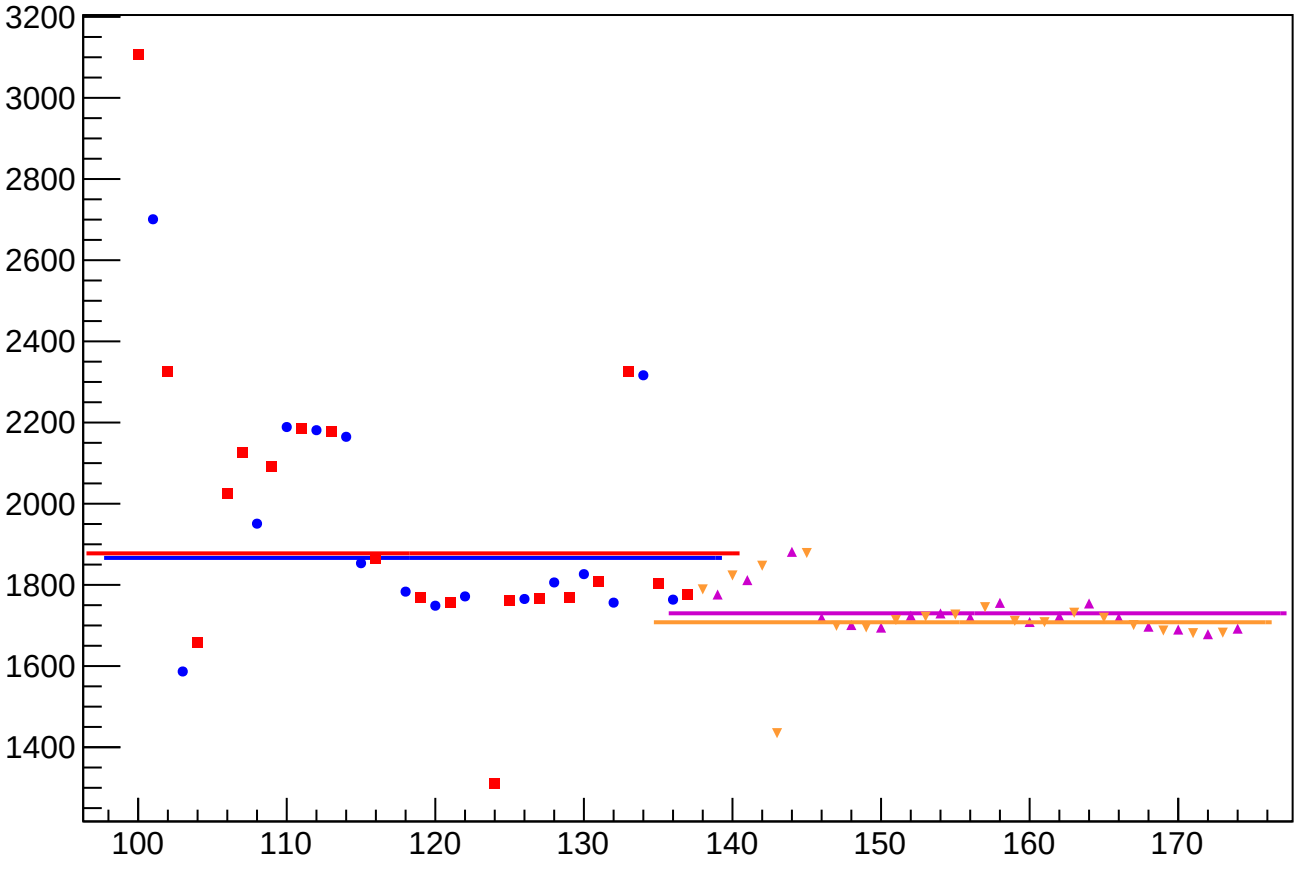
Left In: 993.335+/-448.613 χ^2/NDF:14.0/17

\+ sign 109.022+/-373.157 χ^2/NDF: 40.9/34

All: 454.908+/-265.436 χ^2/NDF: 78.1/71

\- 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: 1707.911+/-0.312 χ^2/NDF:90223.5/18

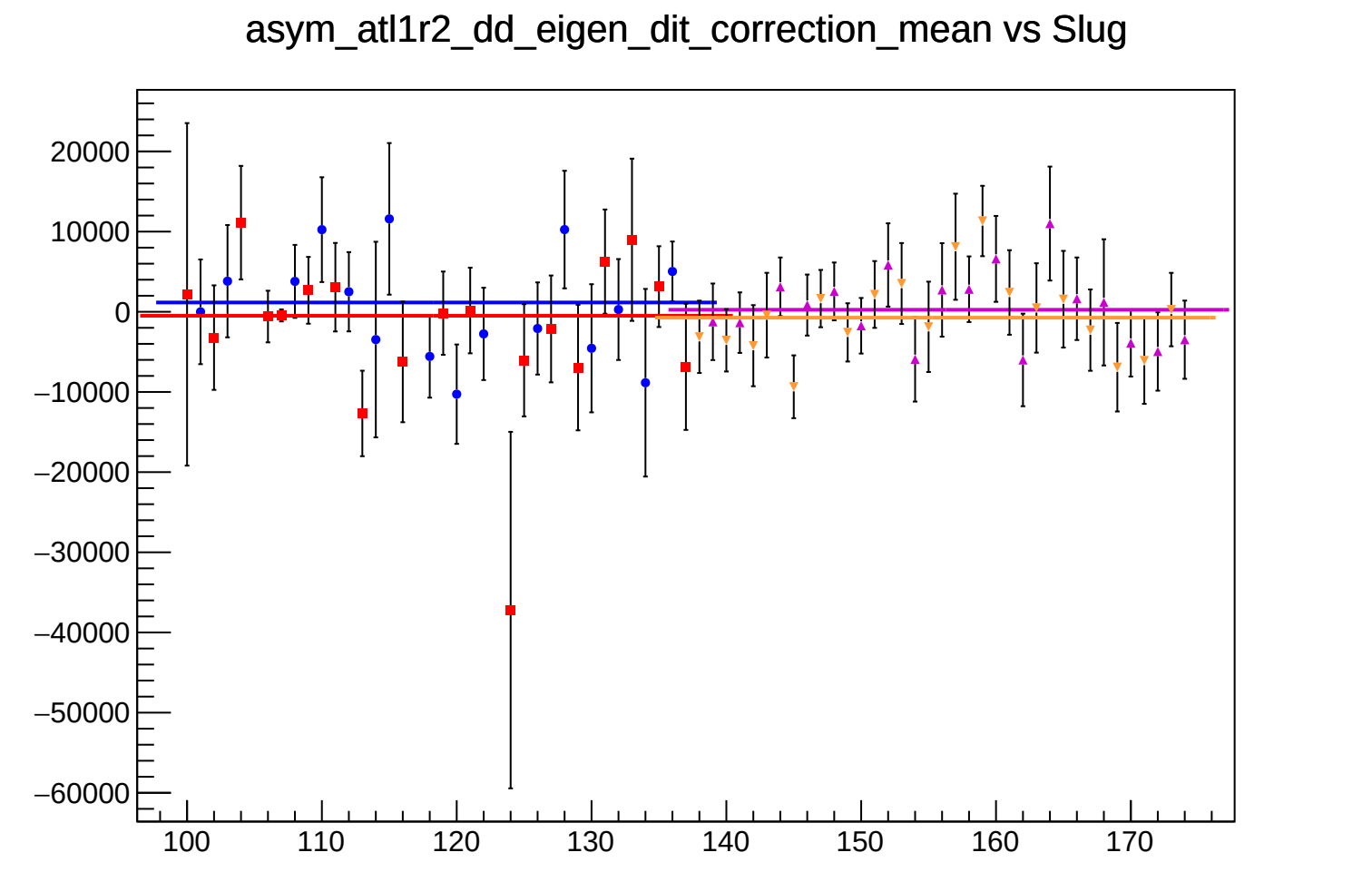
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1729.966+/-0.317 χ^2/NDF:22749.1/17

+ sign 1753.020+/-0.264 χ^2/NDF: 419980.7/34

All: 1762.915+/-0.188 χ^2/NDF: 760655.5/71

- 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: -735.696+/-1077.263 χ^2/NDF:20.3/18

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

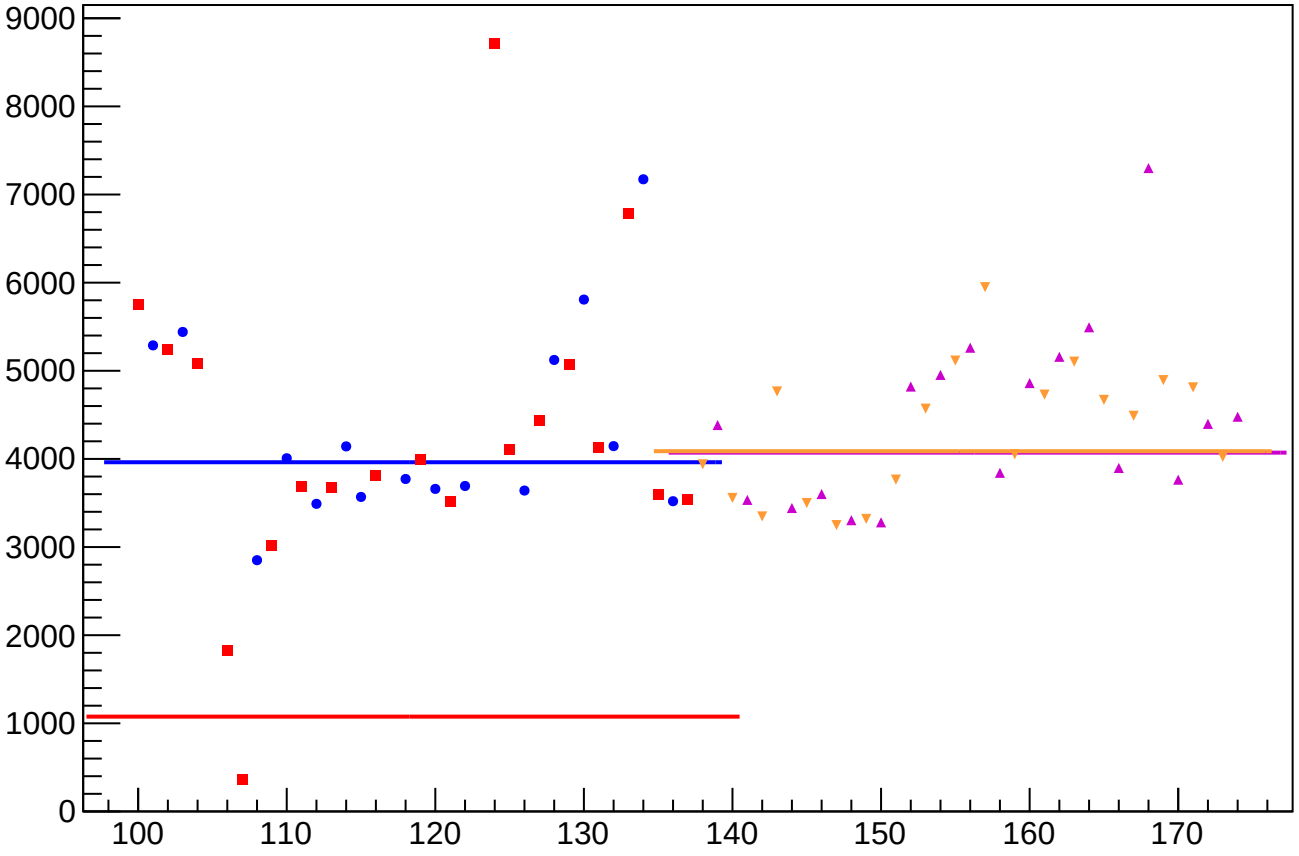
Left In: 251.953+/-1078.707 χ^2/NDF:12.4/17

+ sign -97.161+/-877.399 χ^2/NDF: 35.0/34

All: -234.376+/-473.281 χ^2/NDF: 64.7/71

- 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: 4087.537+/-0.762 χ^2/NDF:821241.4/18

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

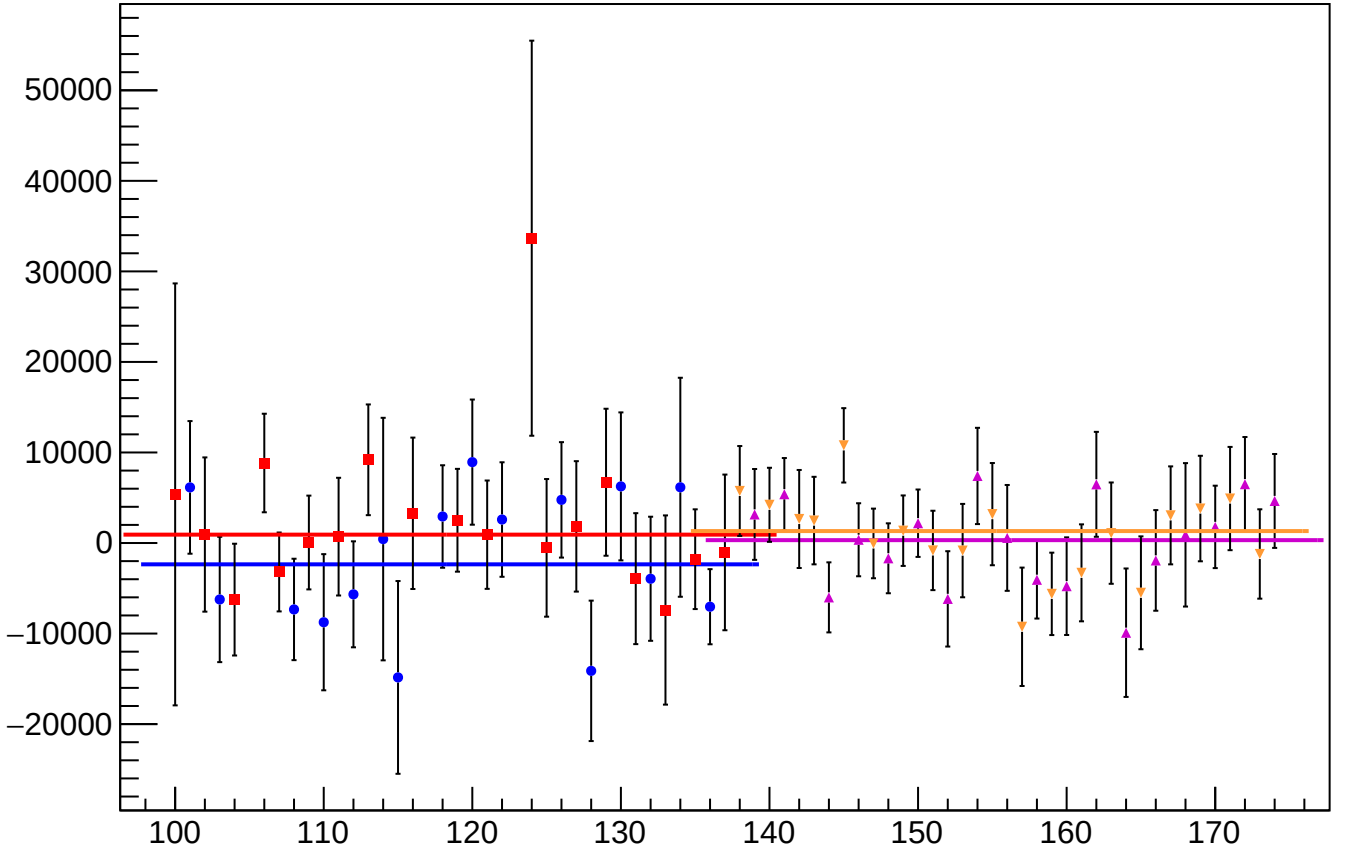
Left In: 4071.276+/-0.763 χ^2/NDF:1086830.2/17

+ sign 4045.398+/-0.620 χ^2/NDF: 1498667.8/34

All: 2516.580+/-0.335 χ^2/NDF: 31941742.6/7

- sign 1889.198+/-0.397 χ^2/NDF: 21879001.1/36

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1318.449+/-1124.442 χ^2/NDF:15.2/18

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

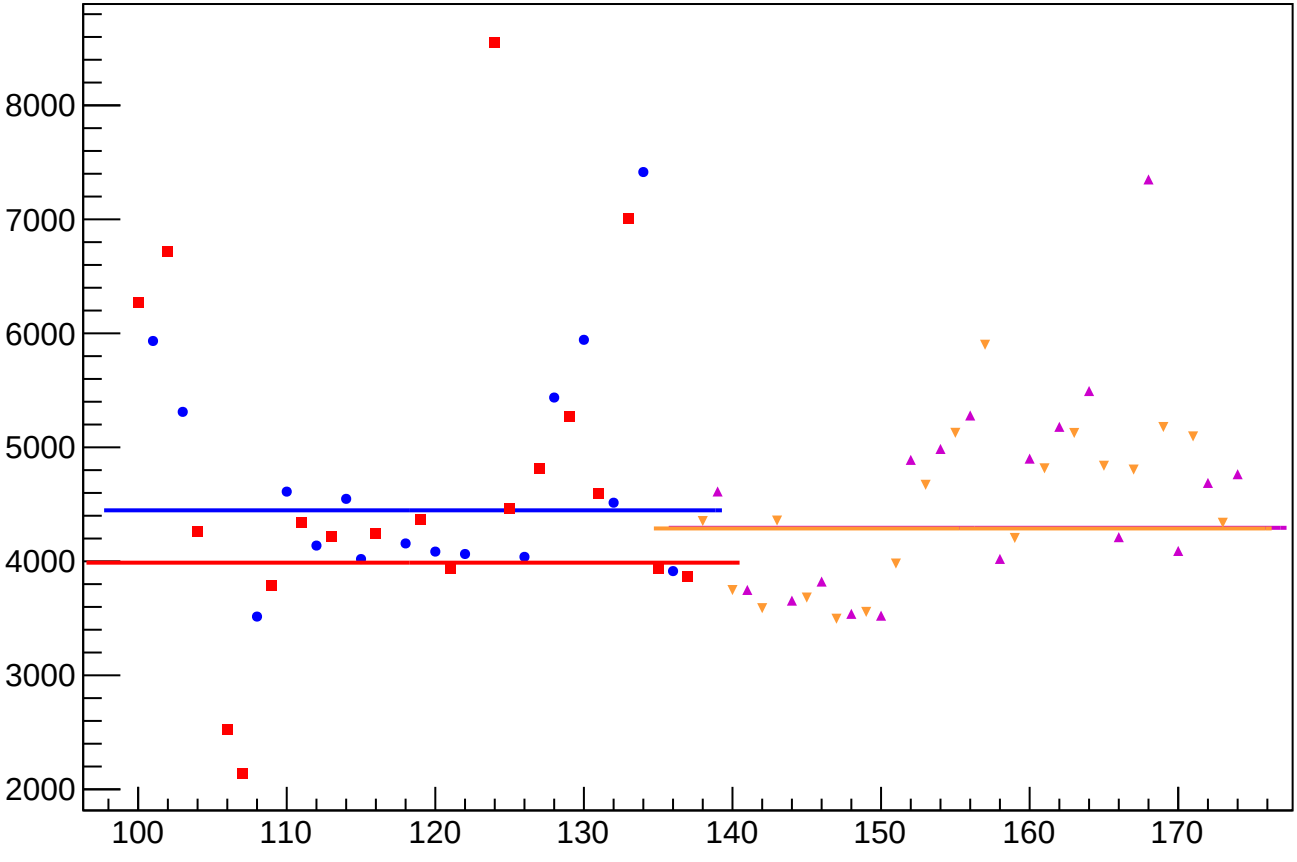
Left In: 316.382+/-1132.324 χ^2/NDF:15.9/17

+ sign 186.458+/-935.271 χ^2/NDF: 34.0/34

All: 361.564+/-653.574 χ^2/NDF: 60.8/71

- 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: 4288.388+/-0.795 χ^2/NDF:640379.6/18

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

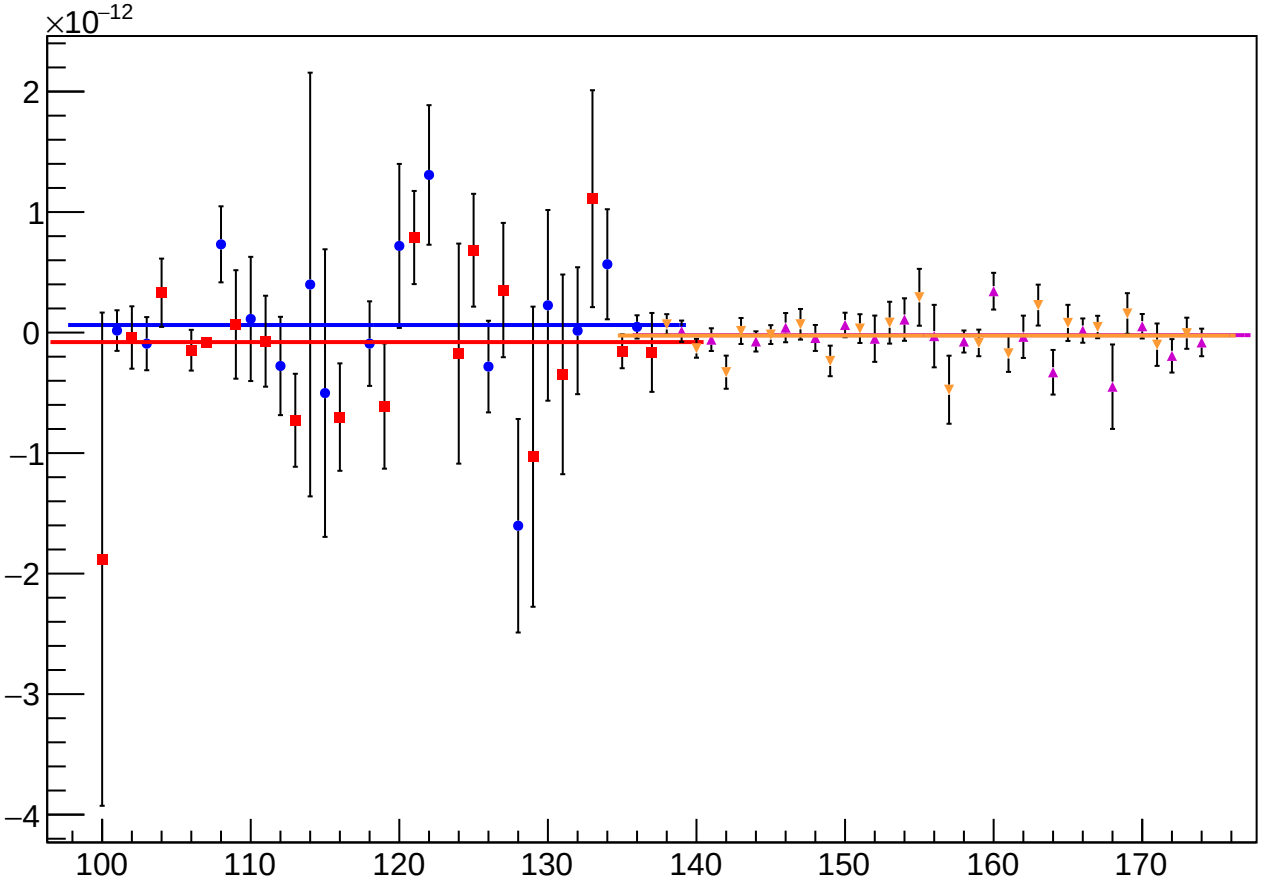
Left In: 4294.051+/-0.801 χ^2/NDF:873104.8/17

+ sign 4337.398+/-0.661 χ^2/NDF: 1110959.8/34

All: 4259.653+/-0.461 χ^2/NDF: 3206468.2/71

- 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:22.2/18

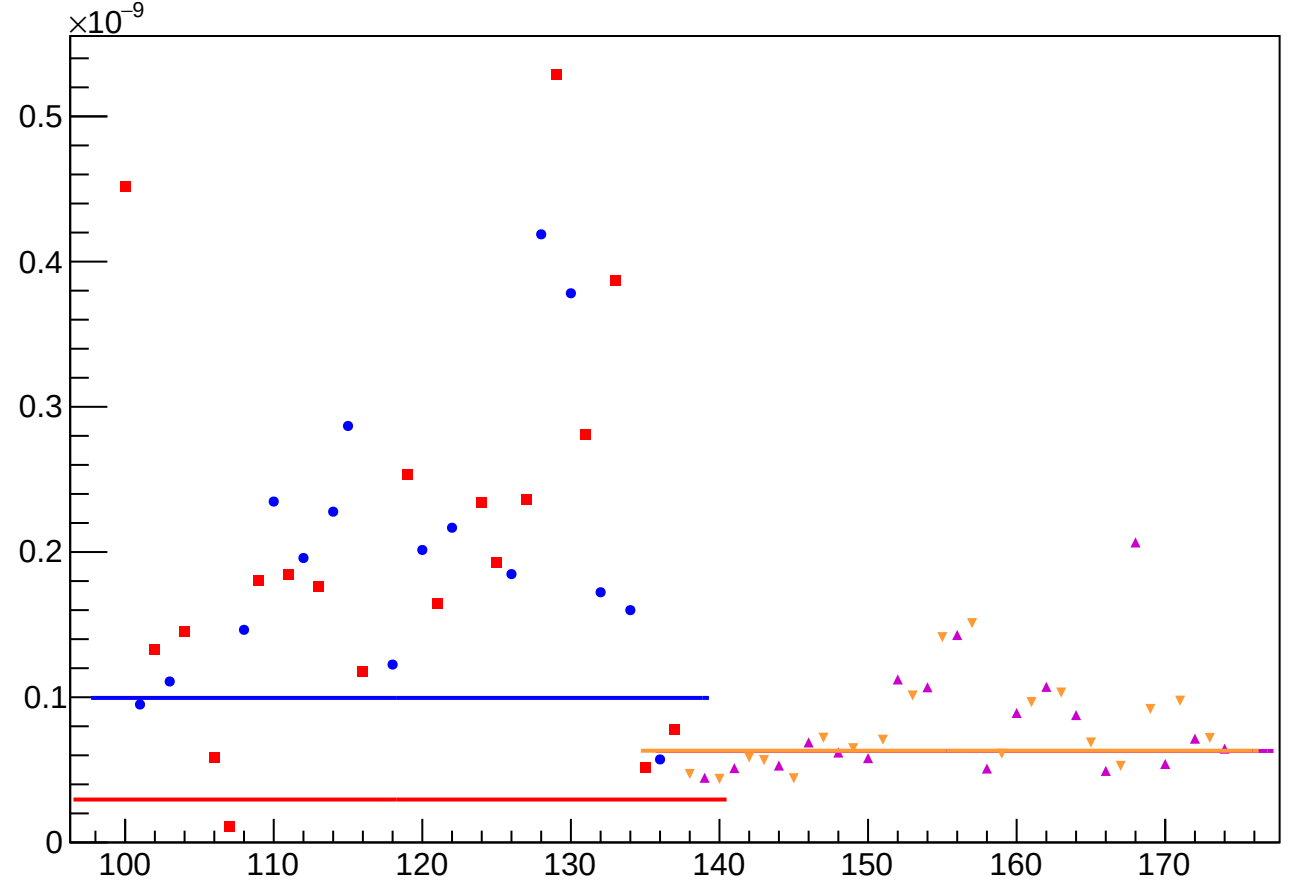
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:15.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 41.1/34

All: -0.000+/-0.000 χ^2/NDF: 78.9/71

- 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:1227871.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

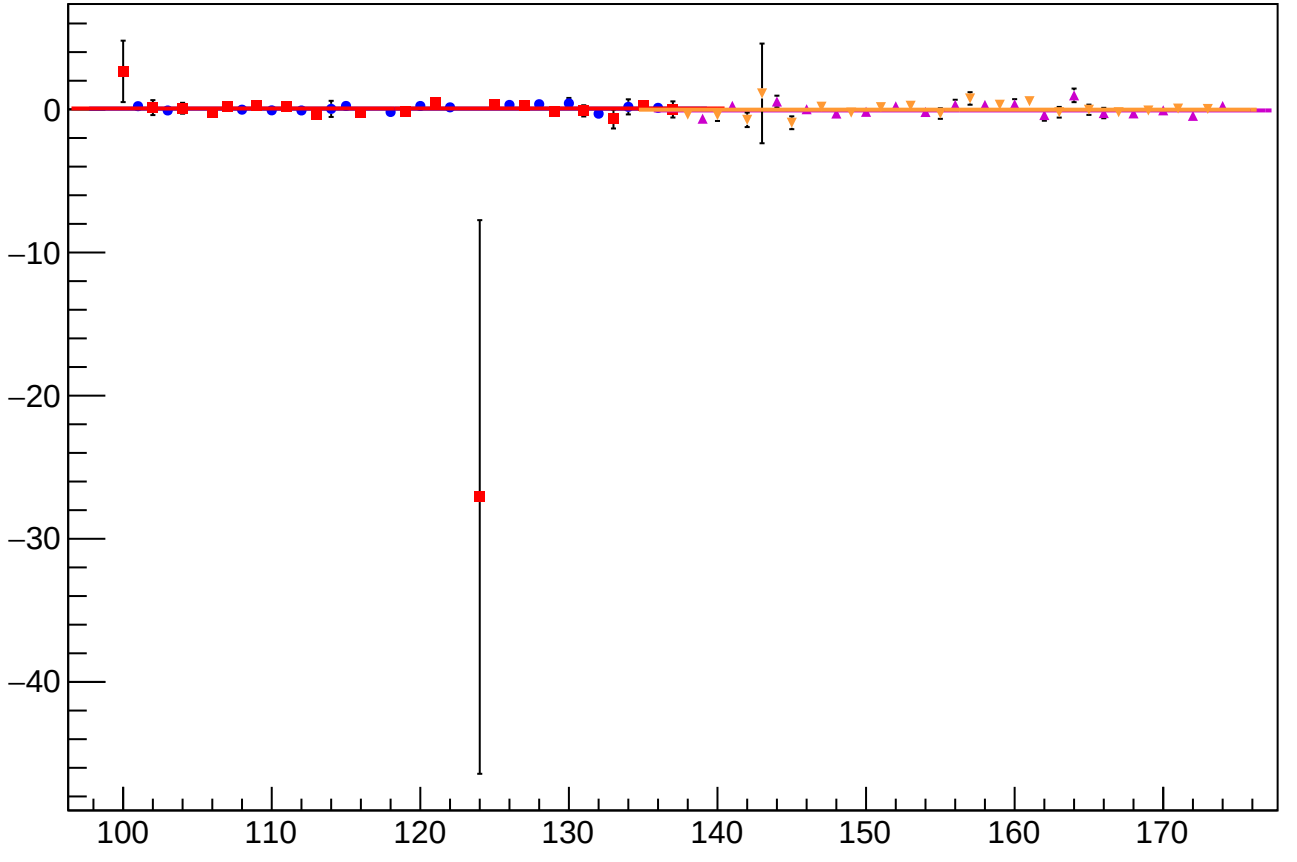
Left In: 0.000+/-0.000 χ^2/NDF:1254540.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 3280594.4/34

All: 0.000+/-0.000 χ^2/NDF: 10740531.2/71

- sign 0.000+/-0.000 χ^2/NDF: 6796254.2/36

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.021+/-0.068 χ^2/NDF:19.5/18

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

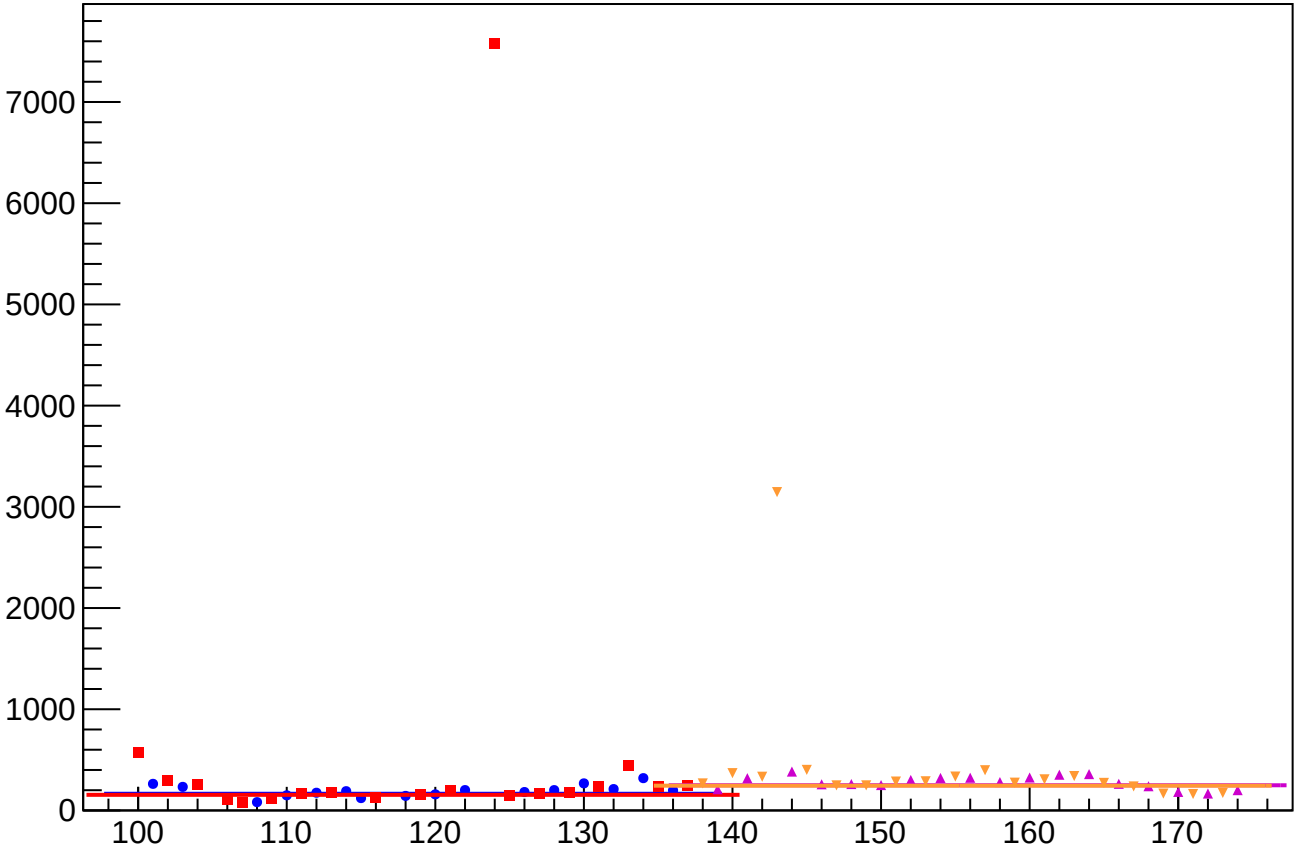
Left In: -0.075+/-0.067 χ^2/NDF:27.3/17

+ sign 0.014+/-0.048 χ^2/NDF: 27.7/34

All: 0.005+/-0.033 χ^2/NDF: 75.6/71

- 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: 244.792+/-0.048 χ^2/NDF:3543520.4/18

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

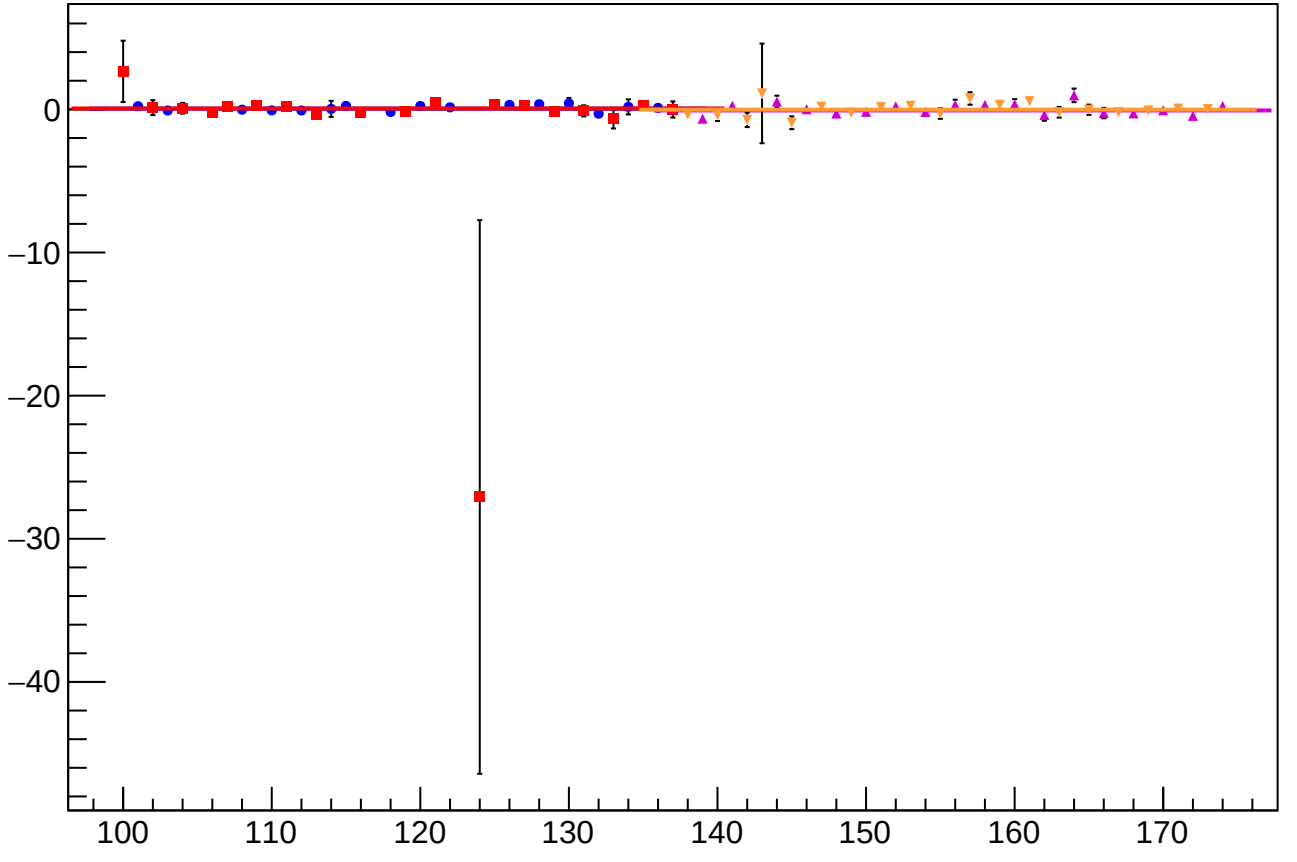
Left In: 248.844+/-0.048 χ^2/NDF:1626759.3/17

+ sign 203.840+/-0.034 χ^2/NDF: 6431221.0/34

All: 201.630+/-0.024 χ^2/NDF: 12042877.2/71

- 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: -0.021+/-0.068 χ^2/NDF:19.5/18

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

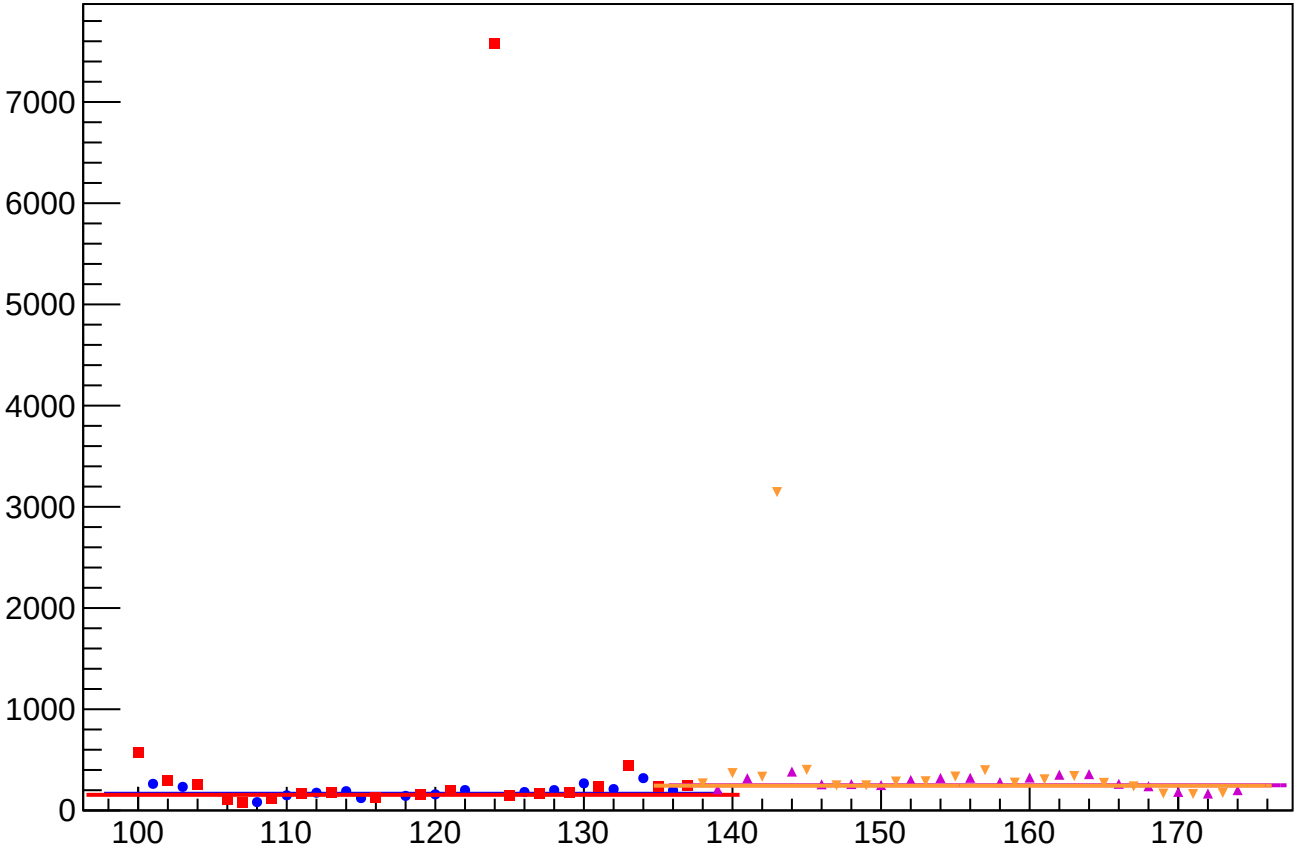
Left In: -0.075+/-0.067 χ^2/NDF:27.3/17

+ sign 0.014+/-0.048 χ^2/NDF: 27.7/34

All: 0.005+/-0.033 χ^2/NDF: 75.6/71

- 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: 244.792+/-0.048 χ^2/NDF:3543520.4/18

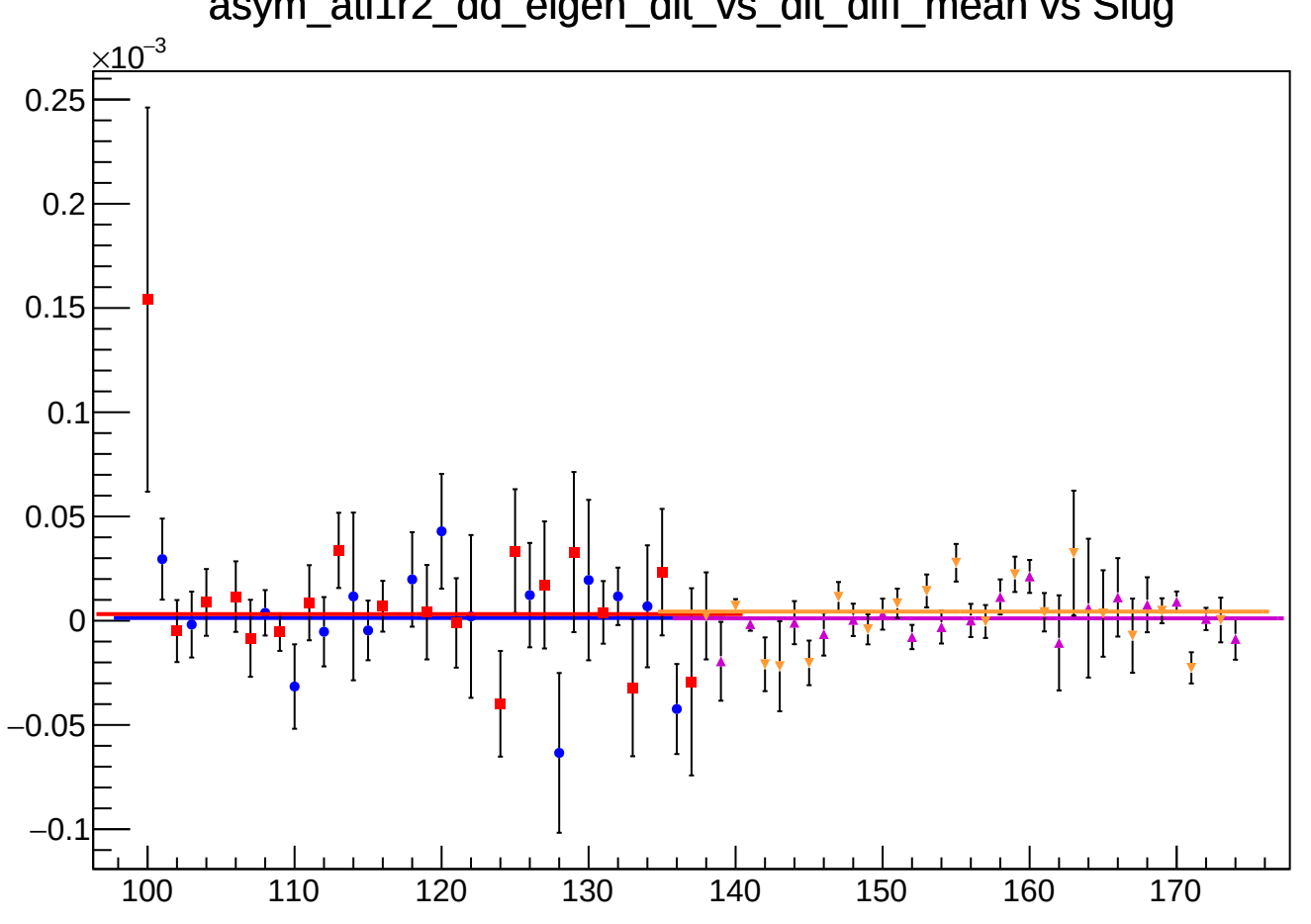
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 248.844+/-0.048 χ^2/NDF:1626759.3/17

+ sign 203.840+/-0.034 χ^2/NDF: 6431221.0/34

All: 201.630+/-0.024 χ^2/NDF: 12042877.2/71

- 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:41.6/18

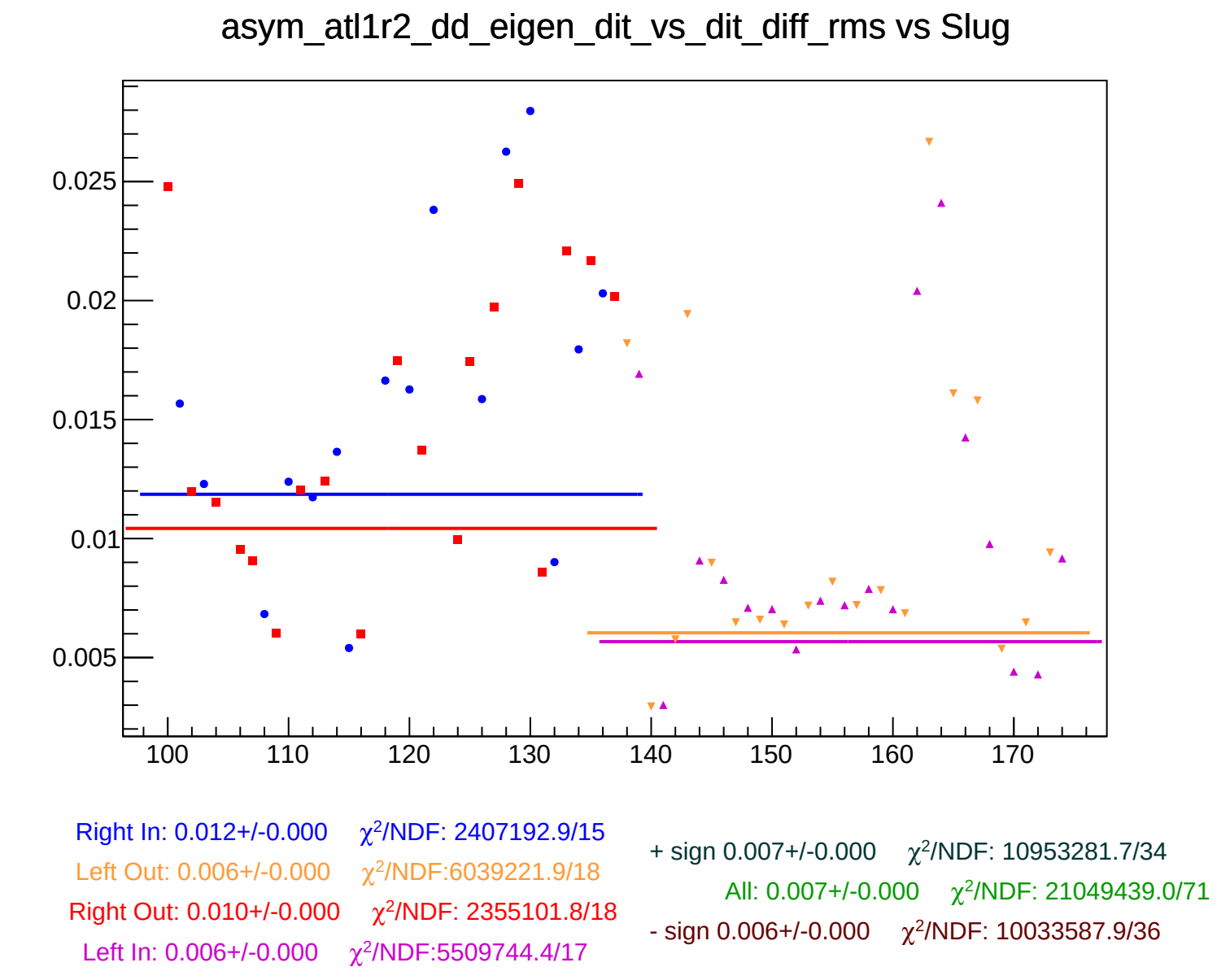
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

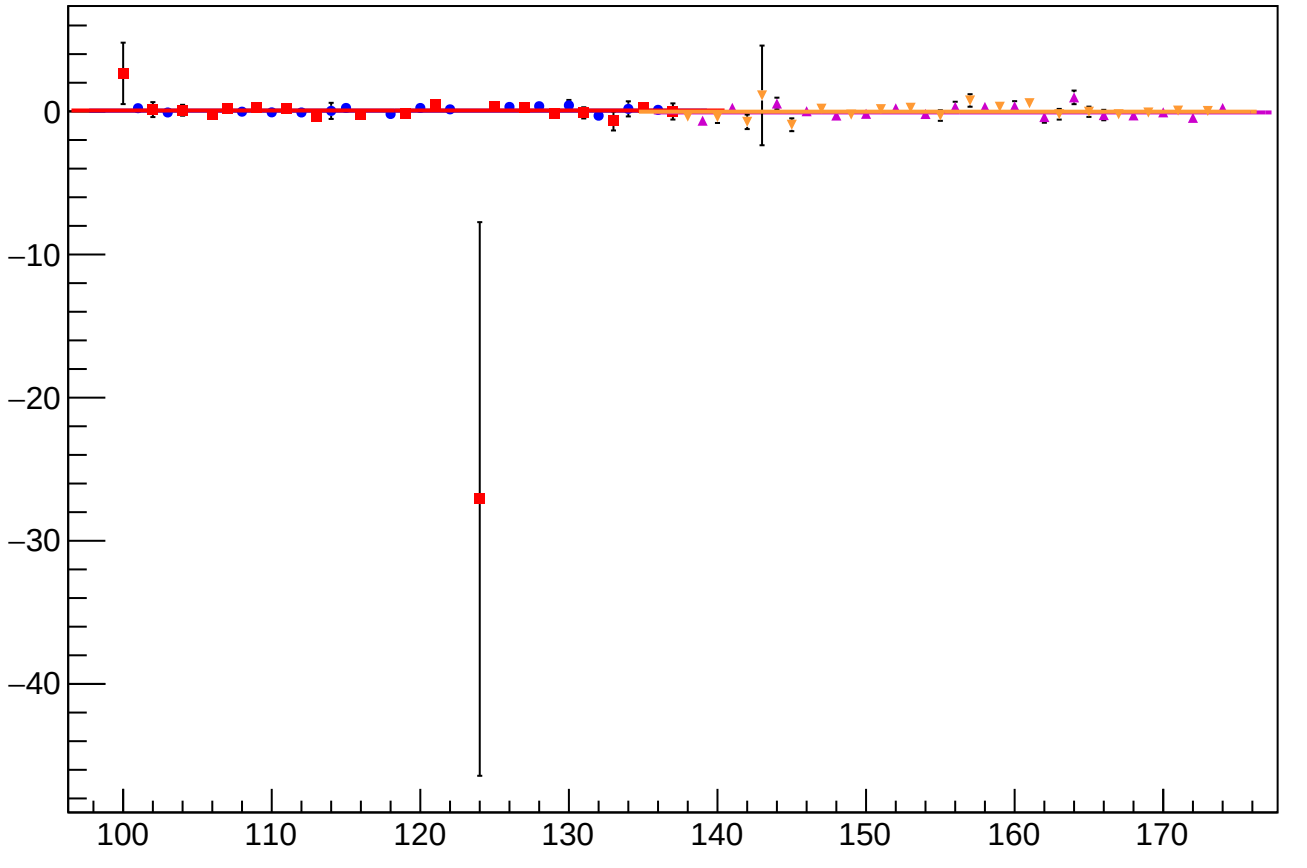
Left In: 0.000+/-0.000 χ^2/NDF:17.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 58.1/34

All: 0.000+/-0.000 χ^2/NDF: 91.8/71

- 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:6039221.9/18
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: 10953281.7/34
All: 0.007+/-0.000 χ²/NDF: 21049439.0/71
- sign 0.006+/-0.000 χ²/NDF: 10033587.9/36



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.021+/-0.068 χ^2/NDF:19.5/18

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

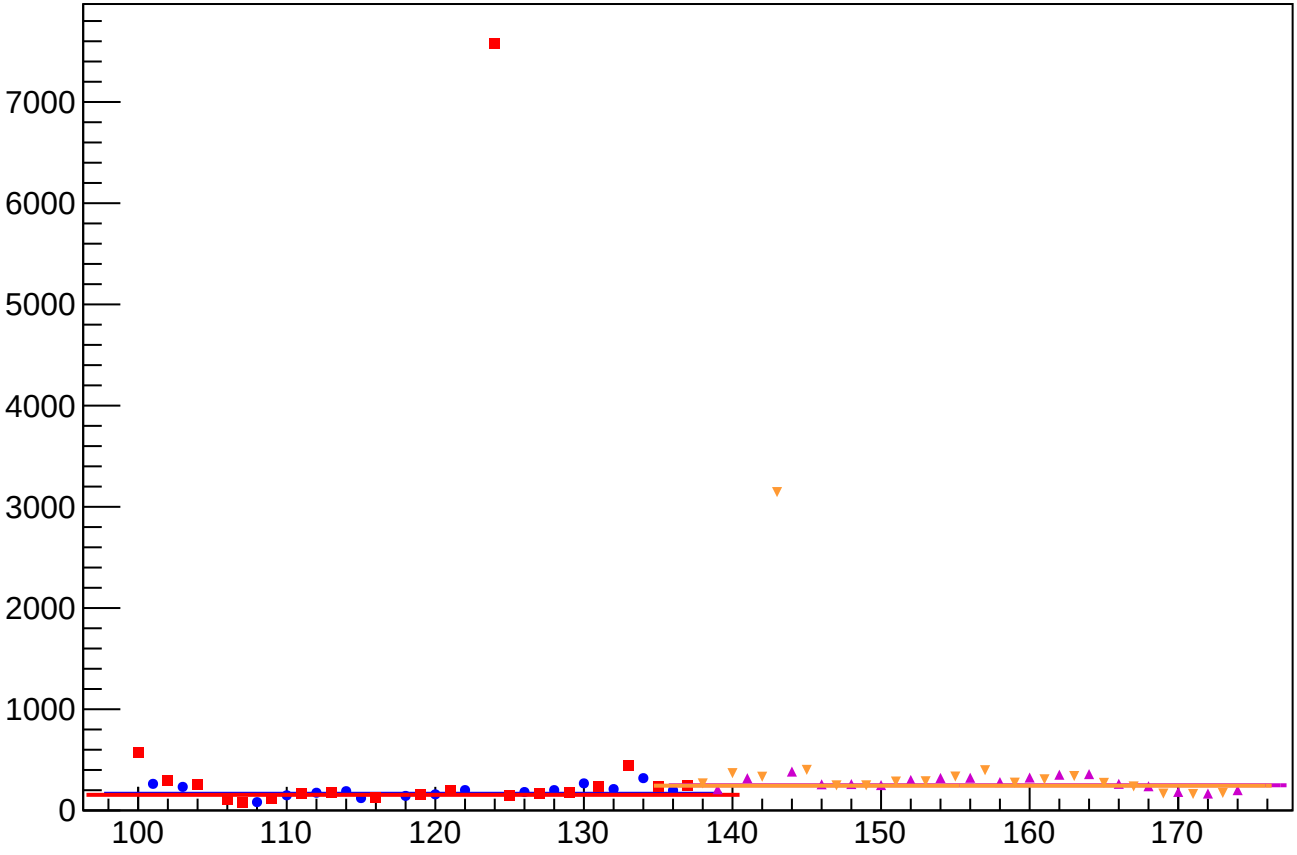
Left In: -0.075+/-0.067 χ^2/NDF:27.3/17

+ sign 0.014+/-0.048 χ^2/NDF: 27.7/34

All: 0.005+/-0.033 χ^2/NDF: 75.6/71

- 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: 244.793+/-0.048 χ^2/NDF:3543640.8/18

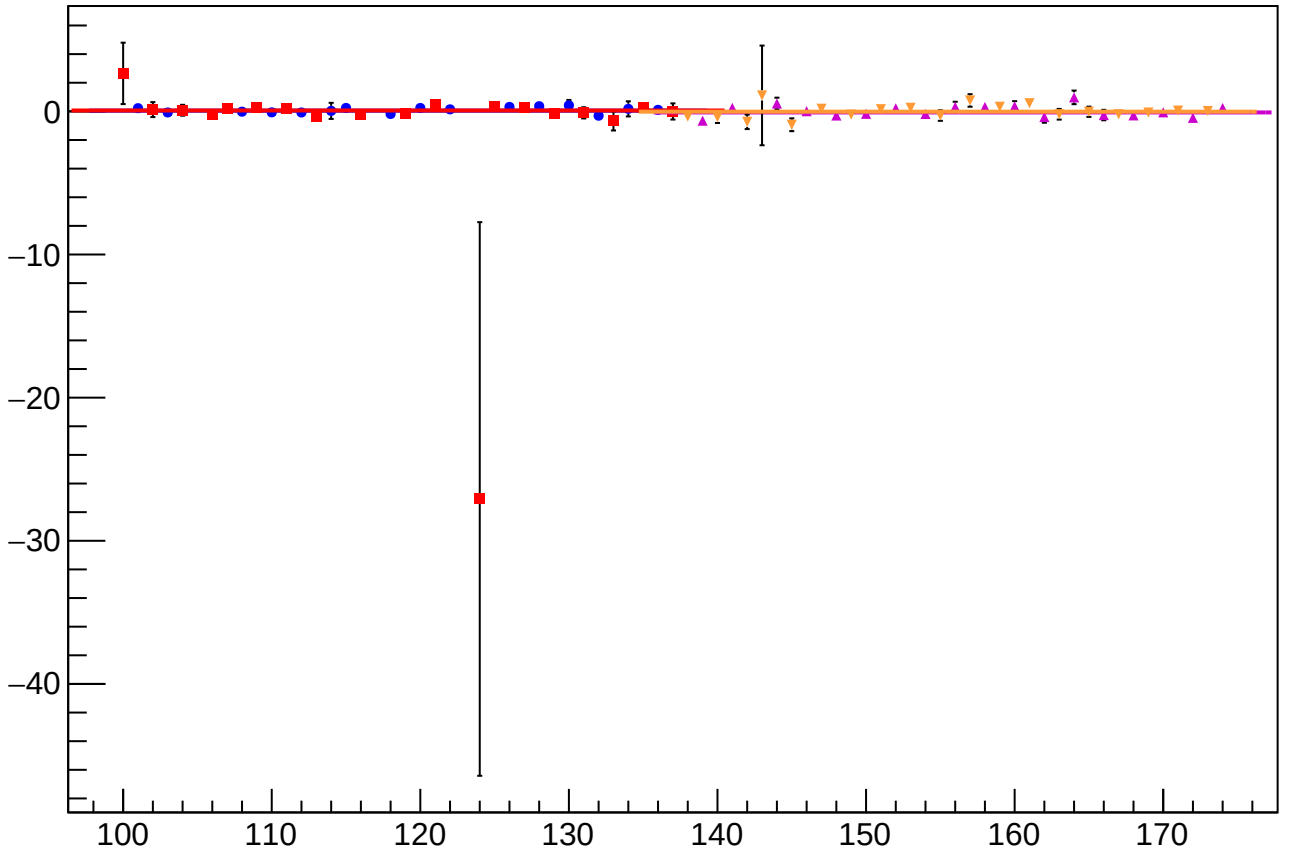
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 248.846+/-0.048 χ^2/NDF:1626804.0/17

+ sign 203.840+/-0.034 χ^2/NDF: 6431357.9/34

All: 201.630+/-0.024 χ^2/NDF: 12043182.5/71

- 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: -0.021+/-0.068 χ^2/NDF:19.5/18

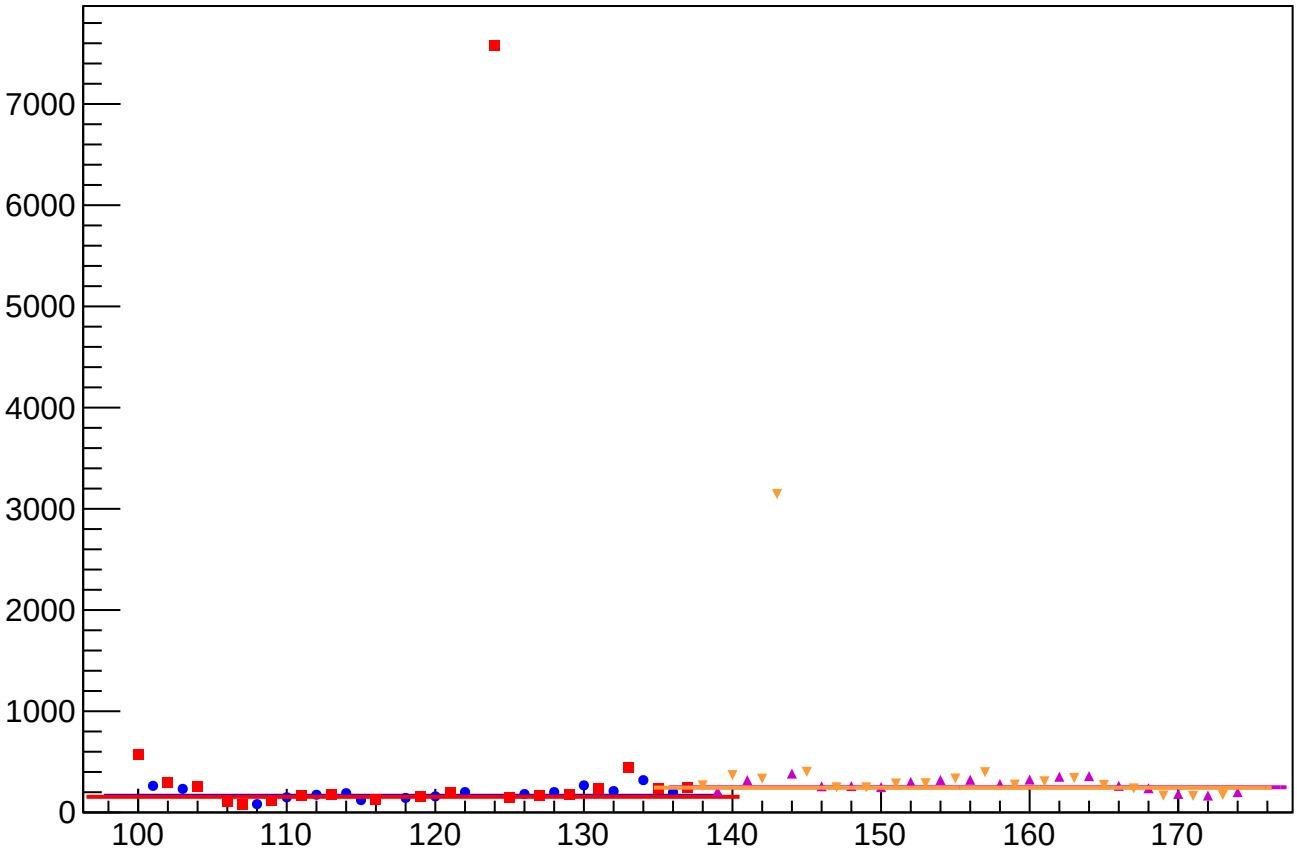
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.075+/-0.067 χ^2/NDF:27.3/17

+ sign 0.014+/-0.048 χ^2/NDF: 27.7/34

All: 0.005+/-0.033 χ^2/NDF: 75.6/71

- 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: 244.793+/-0.048 χ^2/NDF:3543640.8/18

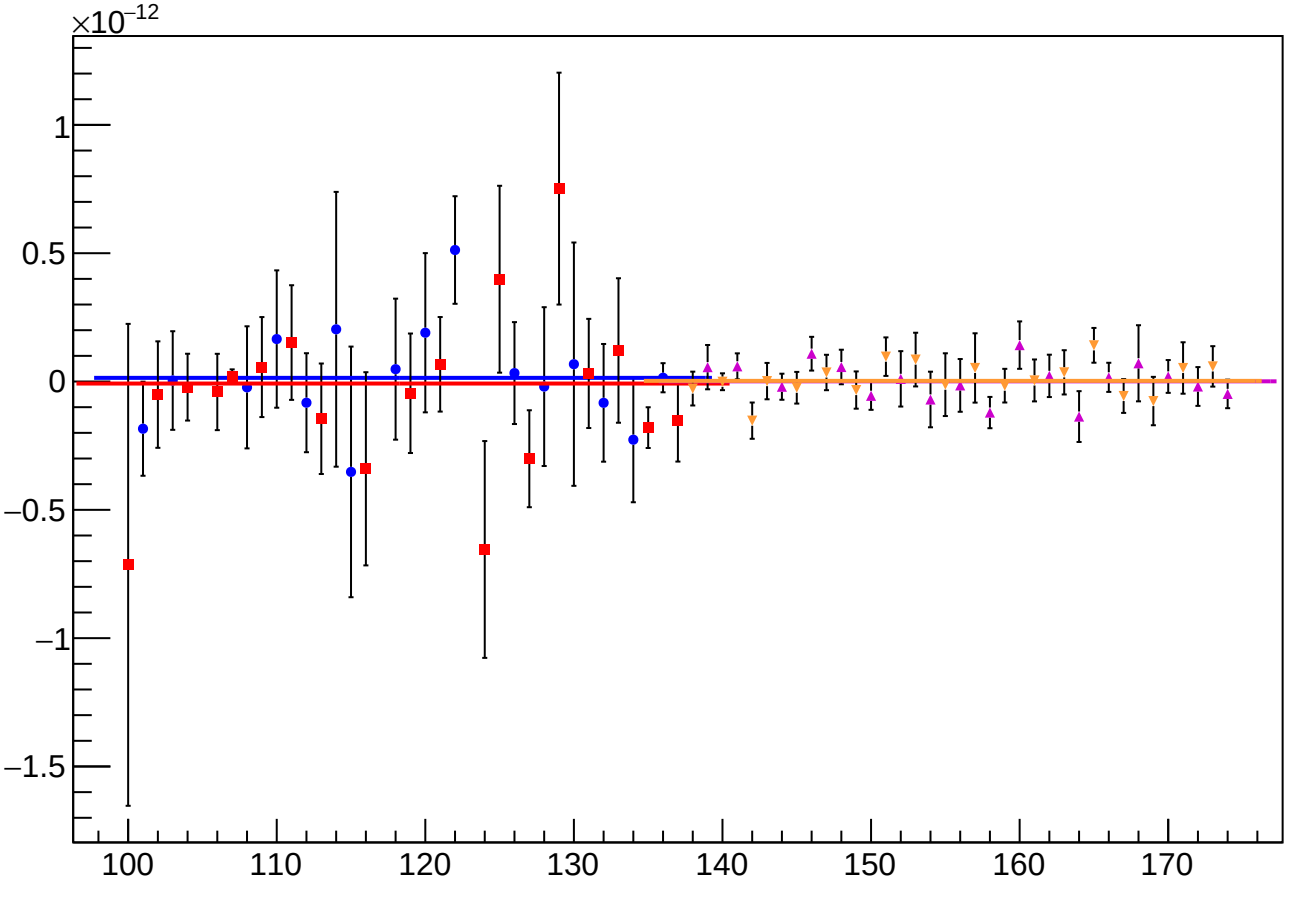
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 248.846+/-0.048 χ^2/NDF:1626804.0/17

+ sign 203.840+/-0.034 χ^2/NDF: 6431357.9/34

All: 201.630+/-0.024 χ^2/NDF: 12043182.5/71

- 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:14.7/18

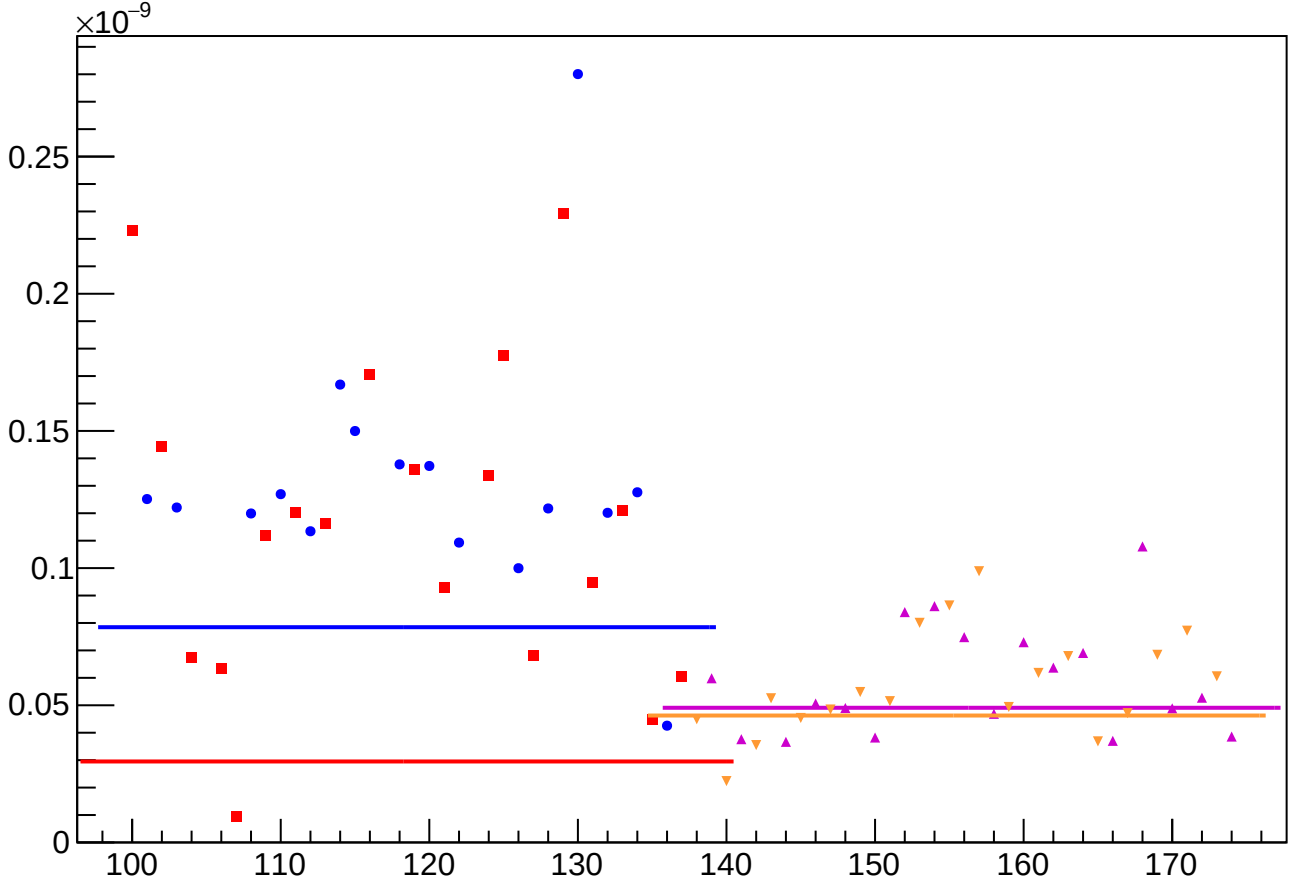
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 24.4/34

All: 0.000+/-0.000 χ^2/NDF: 59.3/71

- 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:2499836.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

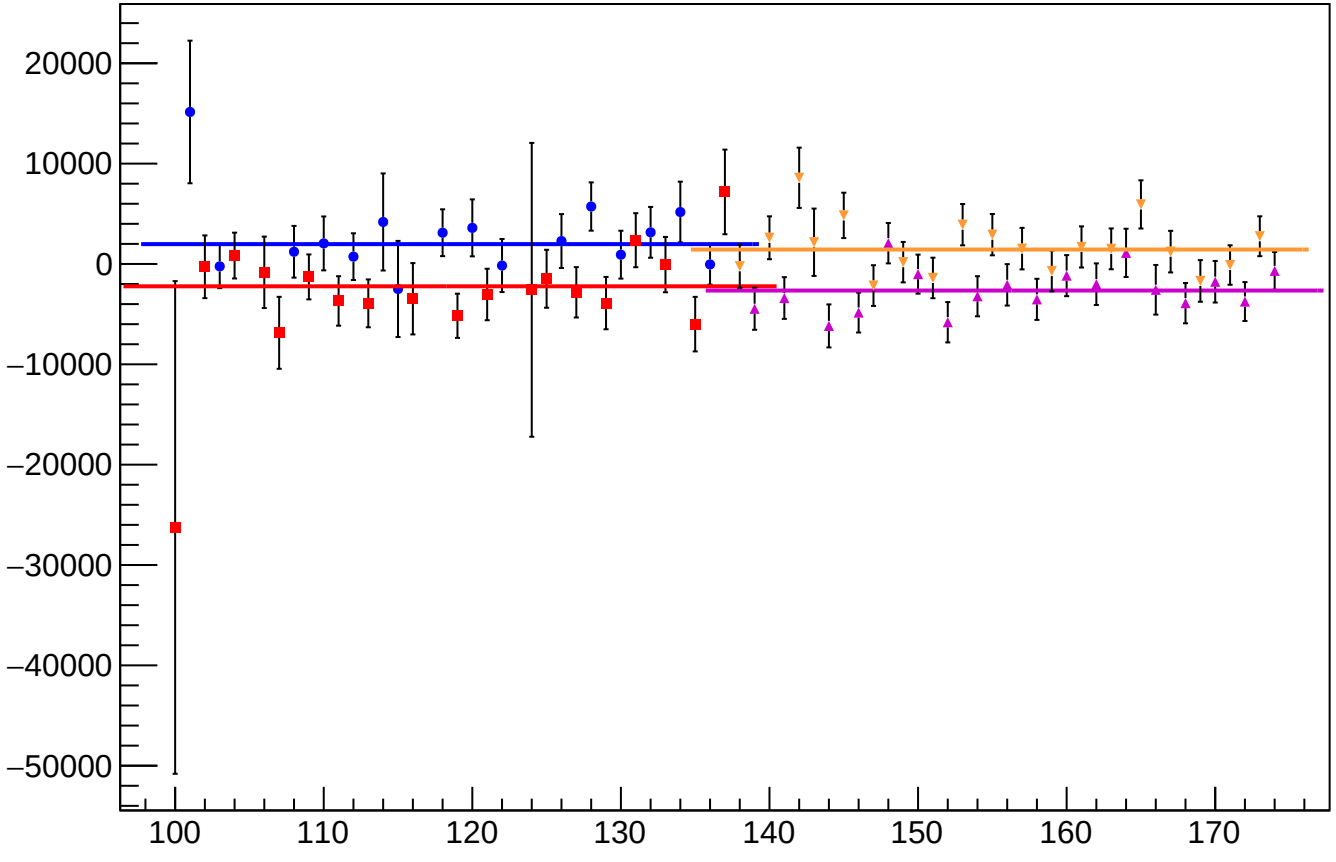
Left In: 0.000+/-0.000 χ^2/NDF:1662065.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 5613373.8/34

All: 0.000+/-0.000 χ^2/NDF: 14027777.5/71

- 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: 1438.382+/-491.388 χ^2/NDF:24.3/18

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

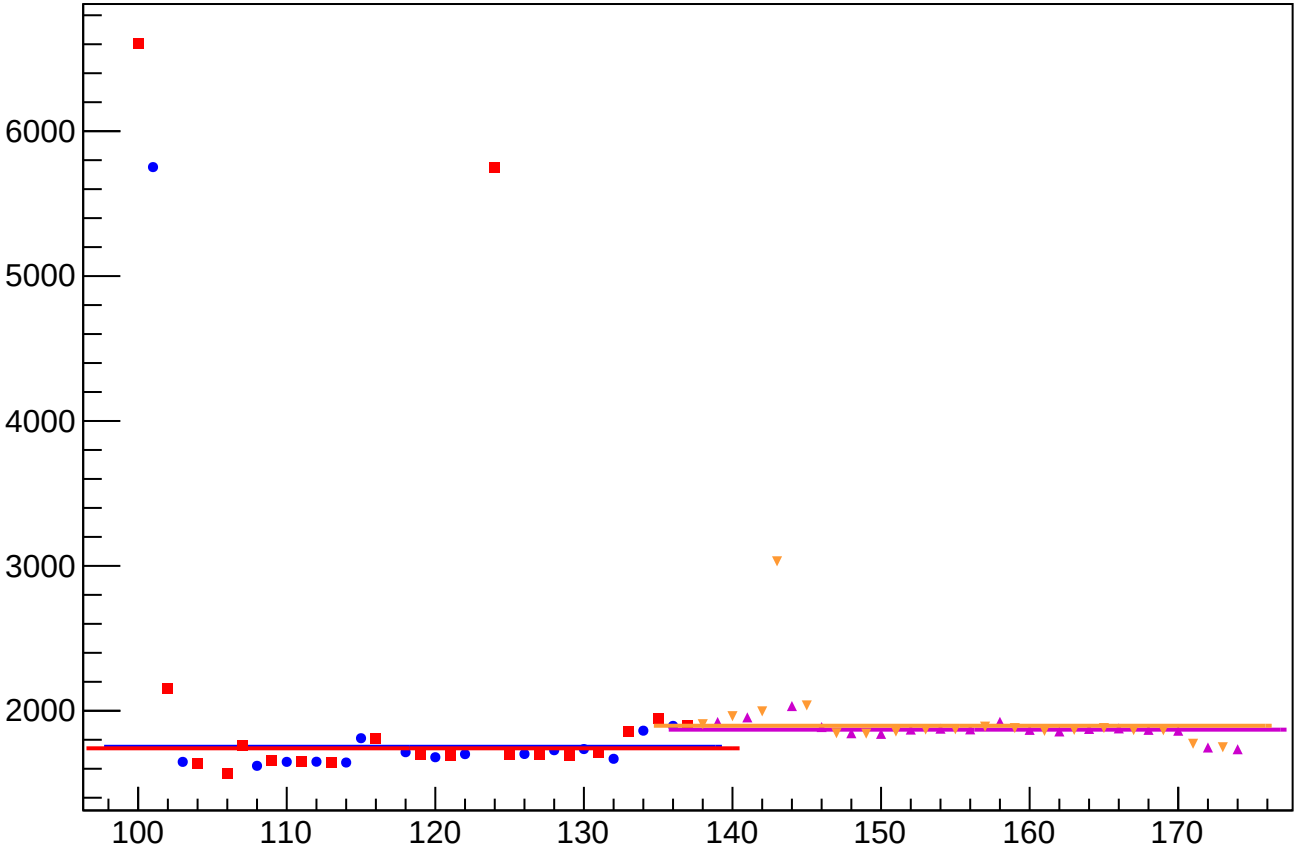
Left In: -2648.112+/-484.994 χ^2/NDF:18.9/17

+ sign 1627.364+/-395.767 χ^2/NDF: 36.8/34

All: -465.898+/-277.804 χ^2/NDF: 130.1/71

- 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: 1896.777+/-0.347 χ^2/NDF:266022.1/18

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

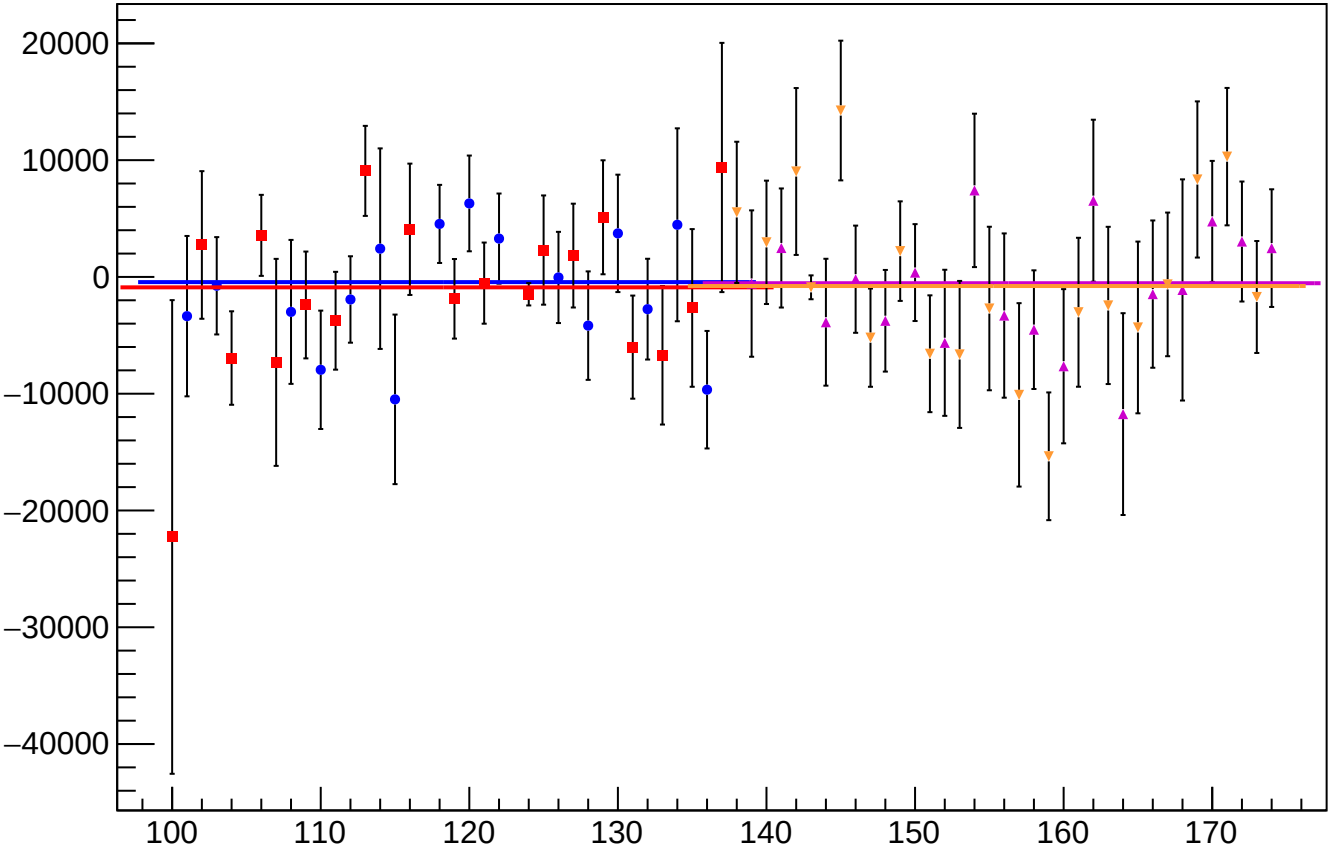
Left In: 1869.763+/-0.343 χ^2/NDF:36965.0/17

+ sign 1845.775+/-0.280 χ^2/NDF: 997998.5/34

All: 1834.632+/-0.196 χ^2/NDF: 1392966.7/71

- 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: -778.627+/-816.370 χ^2/NDF:28.1/18

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

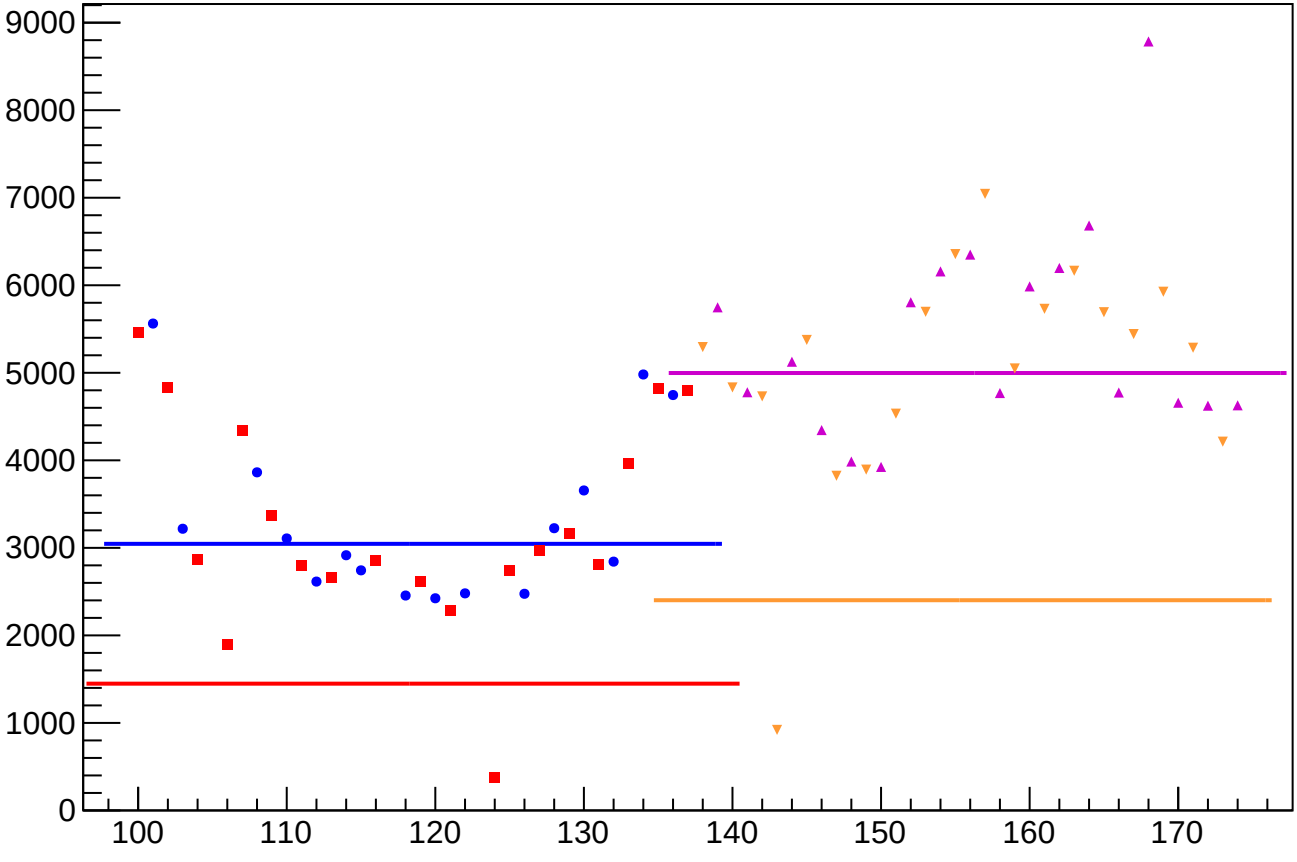
Left In: -538.530+/-1322.480 χ^2/NDF:10.0/17

+ sign -669.704+/-670.333 χ^2/NDF: 44.0/34

All: -743.707+/-461.469 χ^2/NDF: 74.2/71

- 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: 2401.753+/-0.577 χ^2/NDF:12357756.4/18

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

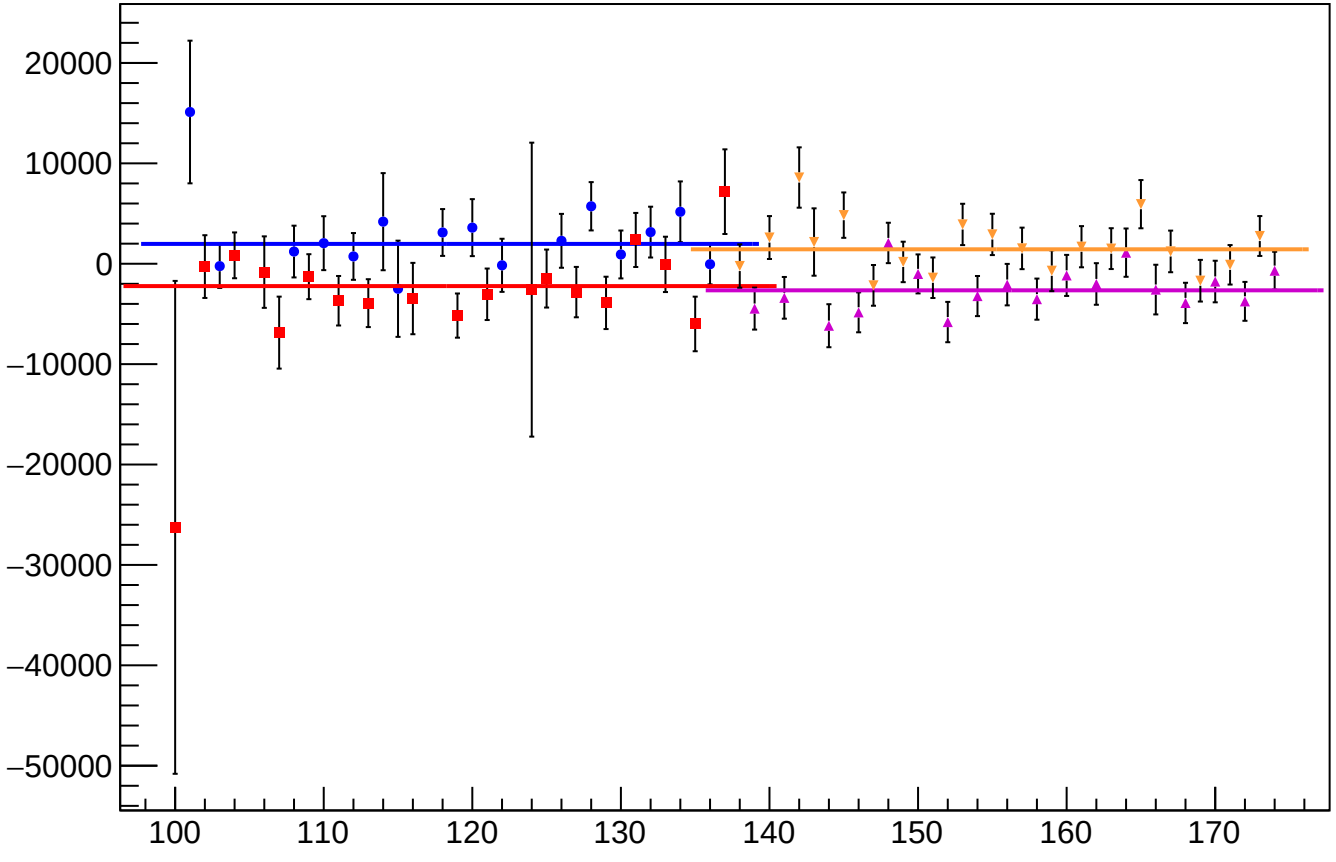
Left In: 4997.531+/-0.935 χ^2/NDF:1022660.2/17

+ sign 2611.603+/-0.474 χ^2/NDF: 13670802.7/34

All: 2431.856+/-0.326 χ^2/NDF: 32823540.1/7

- sign 2269.931+/-0.450 χ^2/NDF: 18879385.3/36

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1438.384+/-491.388 χ^2/NDF:24.3/18

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

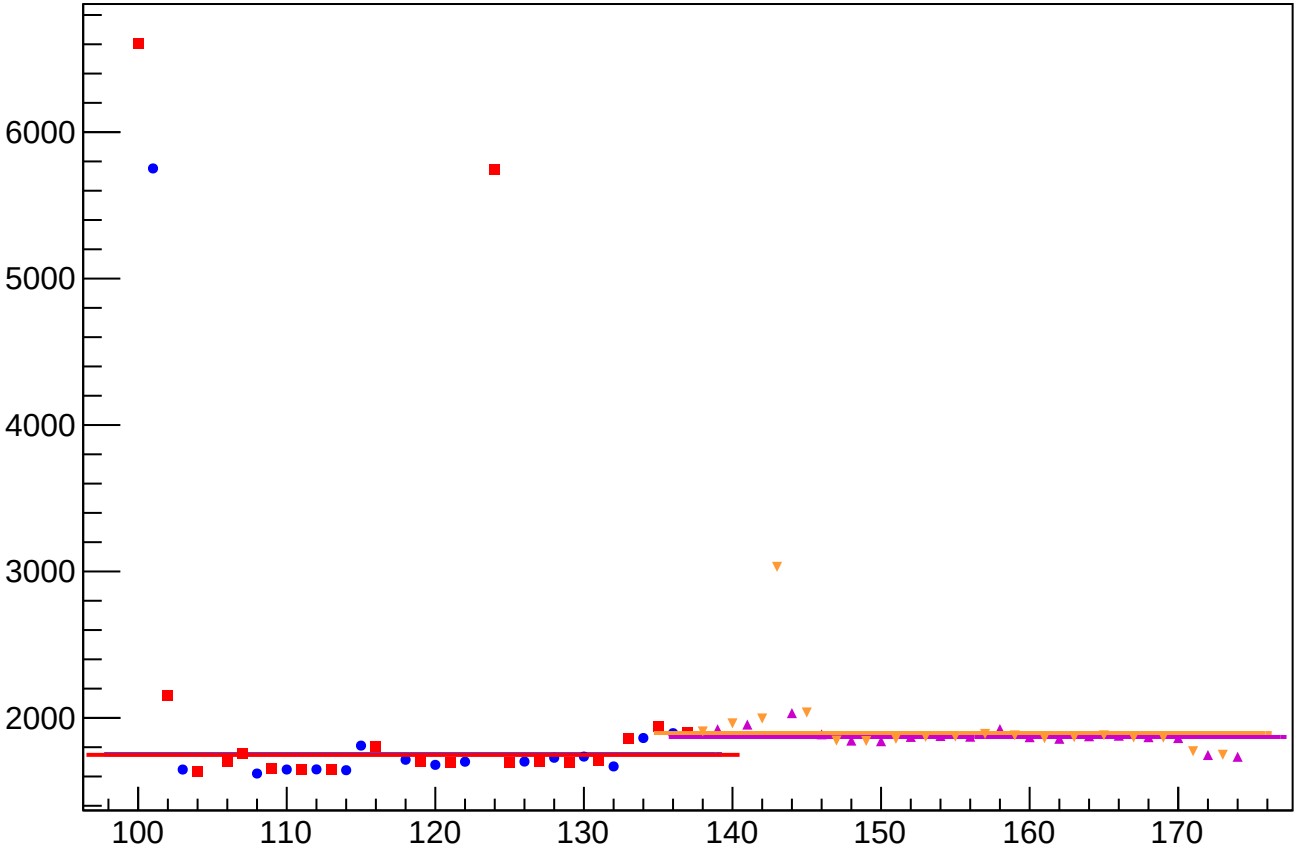
Left In: -2648.169+/-484.994 χ^2/NDF:18.9/17

+ sign 1627.240+/-395.767 χ^2/NDF: 36.8/34

All: -465.994+/-277.804 χ^2/NDF: 130.1/71

- 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: 1896.777+/-0.347 χ^2/NDF:266022.1/18

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

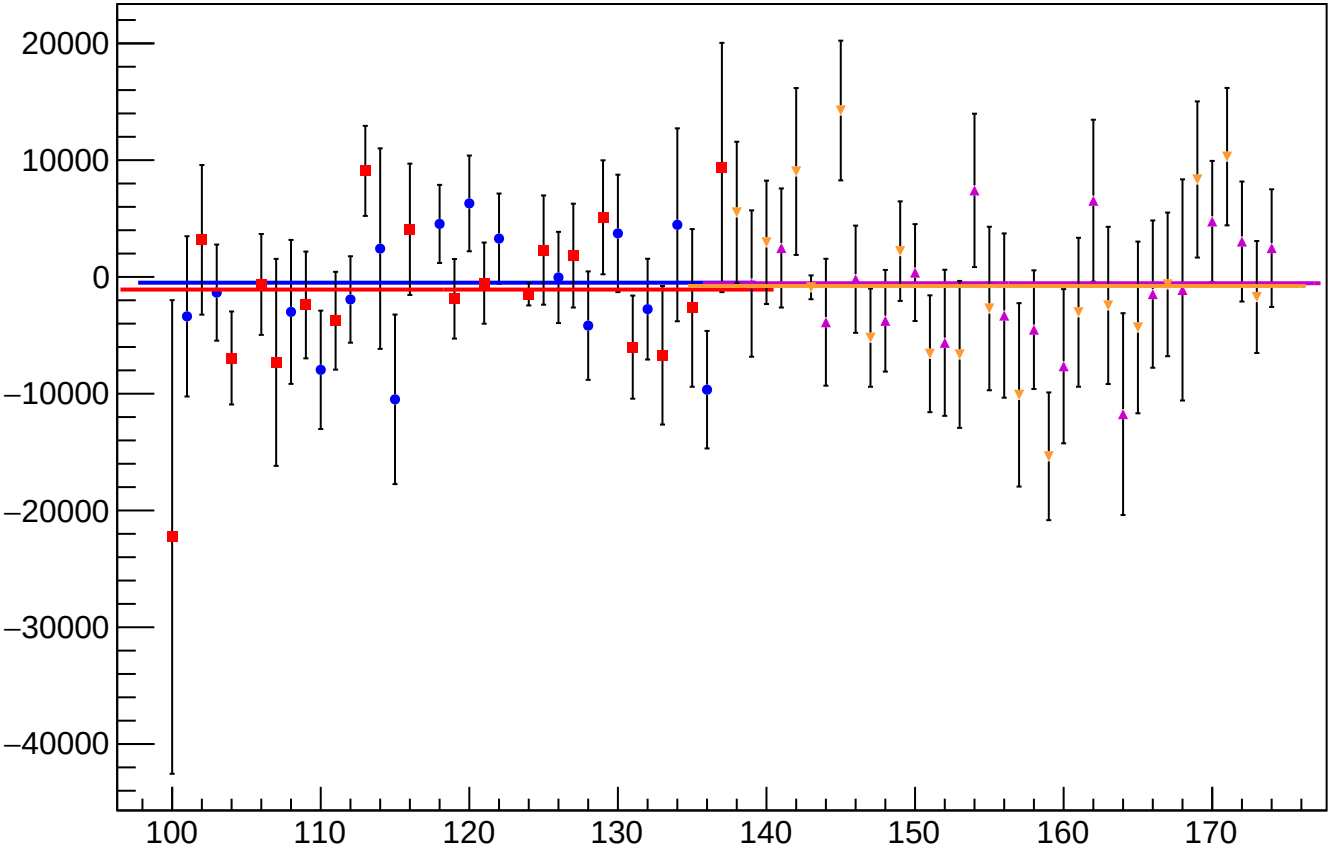
Left In: 1869.763+/-0.343 χ^2/NDF:36965.0/17

+ sign 1845.775+/-0.280 χ^2/NDF: 997999.0/34

All: 1835.969+/-0.196 χ^2/NDF: 1380200.4/71

- 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: -778.473+/-816.349 χ^2/NDF:28.1/18

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

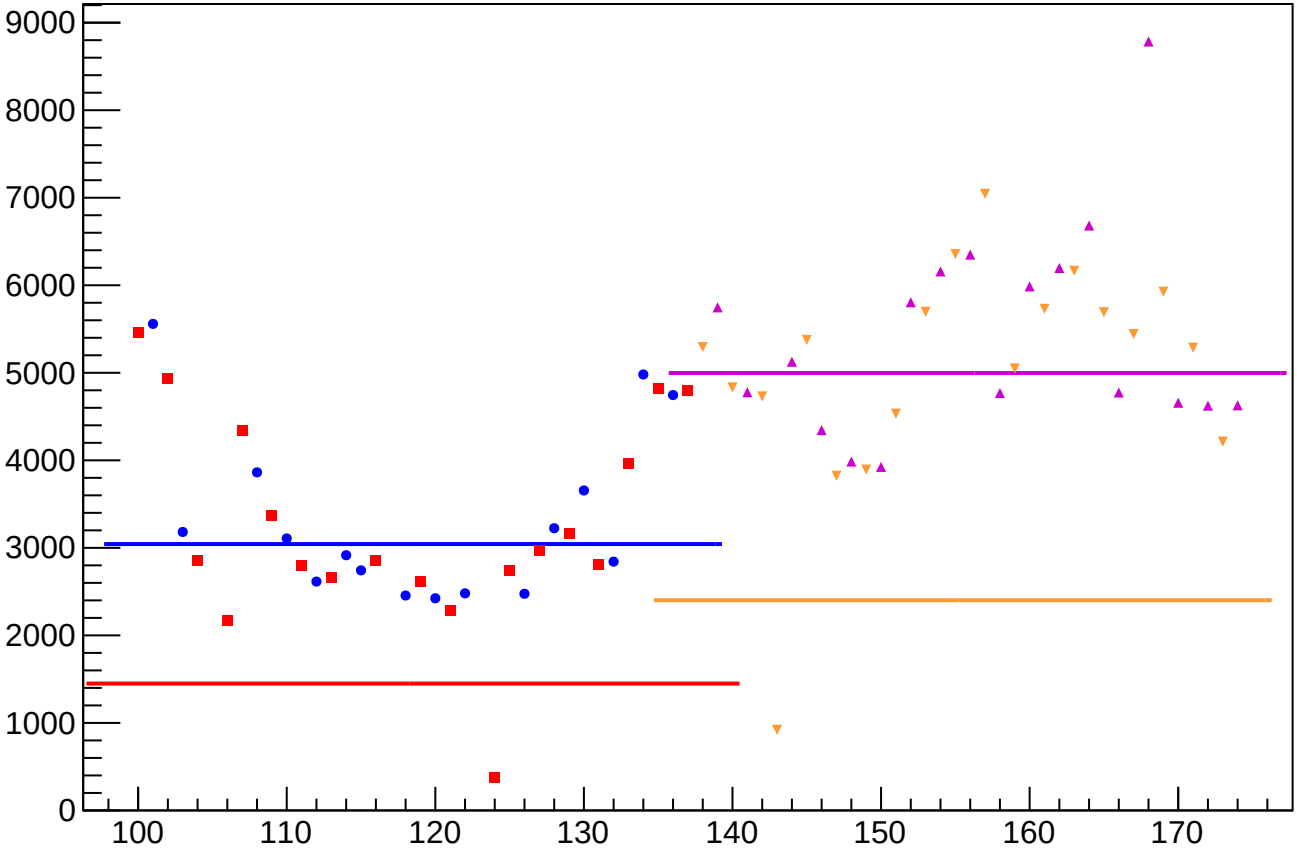
Left In: -538.606+/-1322.480 χ^2/NDF:10.0/17

\+ sign -685.321+/-670.096 χ^2/NDF: 44.1/34

All: -825.753+/-462.851 χ^2/NDF: 72.8/71

\- 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: 2401.651+/-0.577 χ^2/NDF:12358314.4/18

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

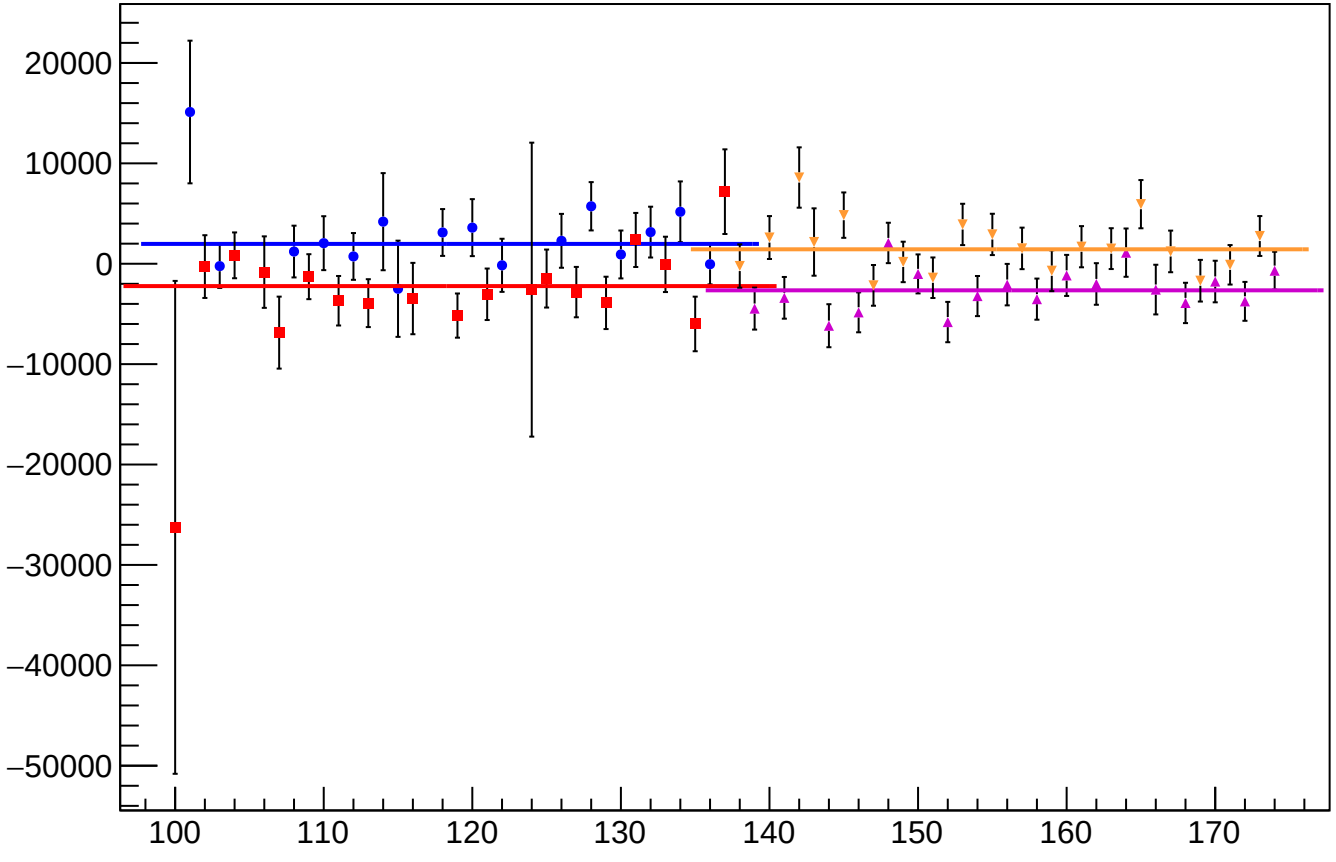
Left In: 4997.531+/-0.935 χ^2/NDF:1022658.6/17

+ sign 2610.956+/-0.474 χ^2/NDF: 13667000.9/34

All: 2438.239+/-0.327 χ^2/NDF: 32792678.6/7

- 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: 1438.384+/-491.388 χ^2/NDF:24.3/18

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

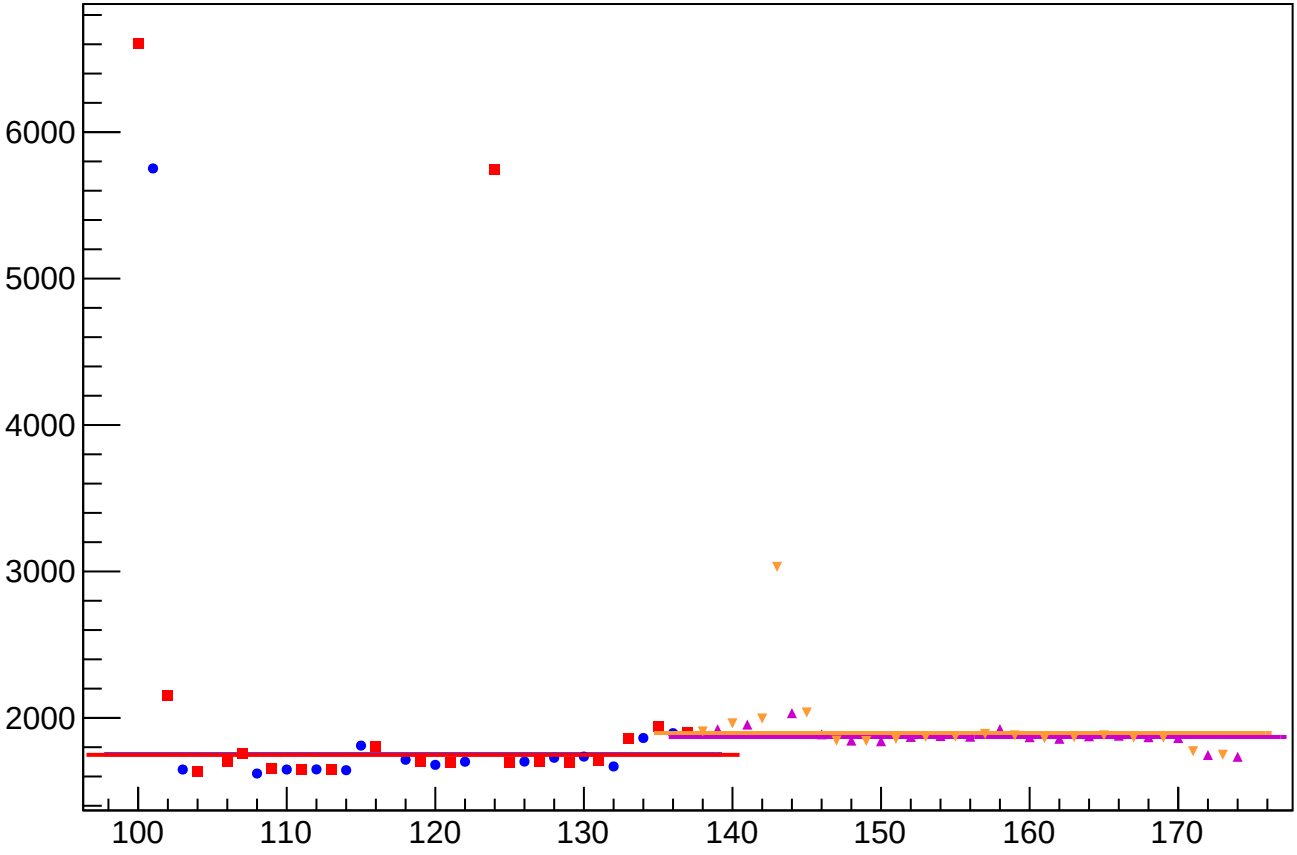
Left In: -2648.169+/-484.994 χ^2/NDF:18.9/17

+ sign 1627.240+/-395.767 χ^2/NDF: 36.8/34

All: -465.994+/-277.804 χ^2/NDF: 130.1/71

- 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: 1896.777+/-0.347 χ^2/NDF:266022.1/18

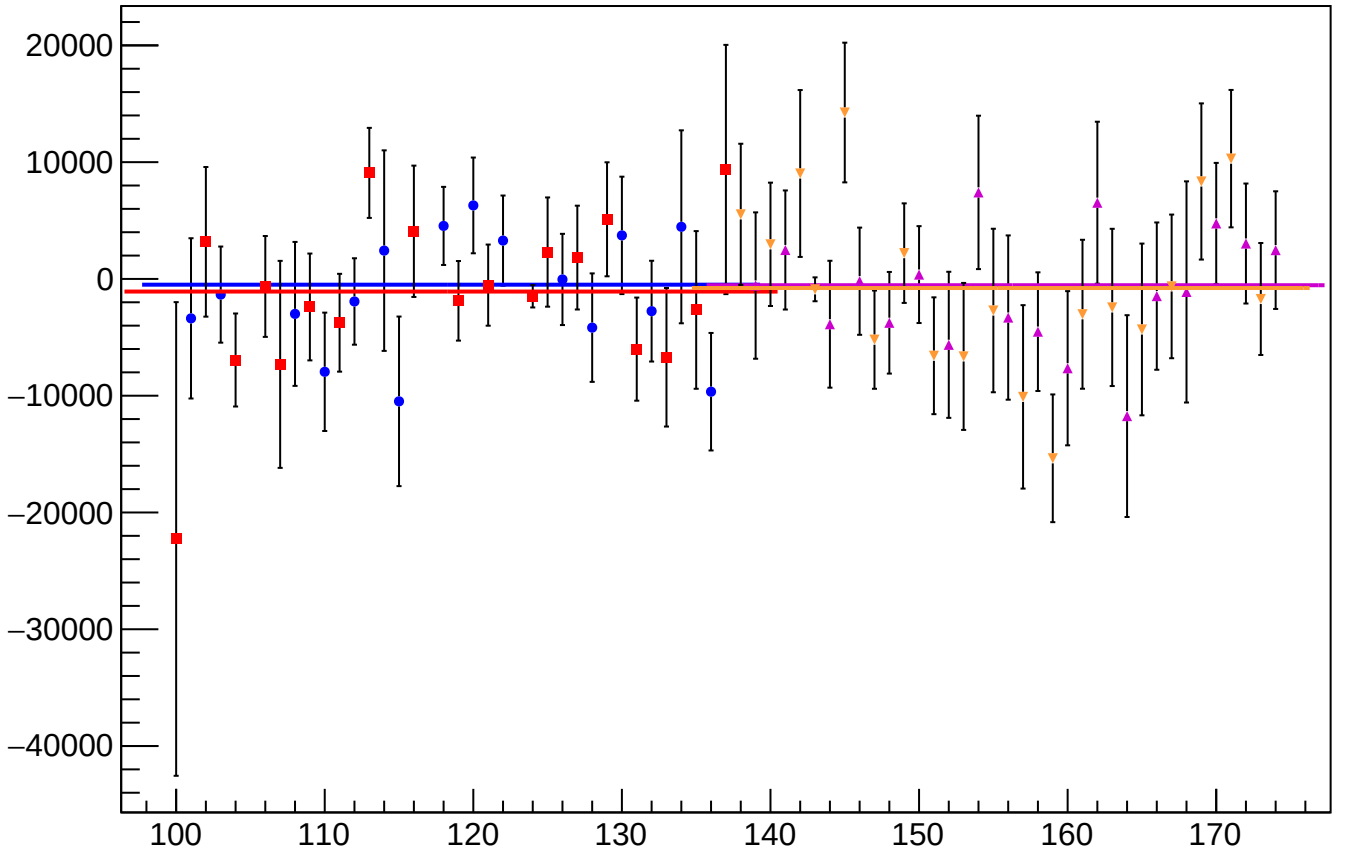
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1869.763+/-0.343 χ^2/NDF:36965.0/17

+ sign 1845.775+/-0.280 χ^2/NDF: 997999.0/34

All: 1835.969+/-0.196 χ^2/NDF: 1380200.4/71

- 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: -778.473+/-816.349 χ^2/NDF:28.1/18

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

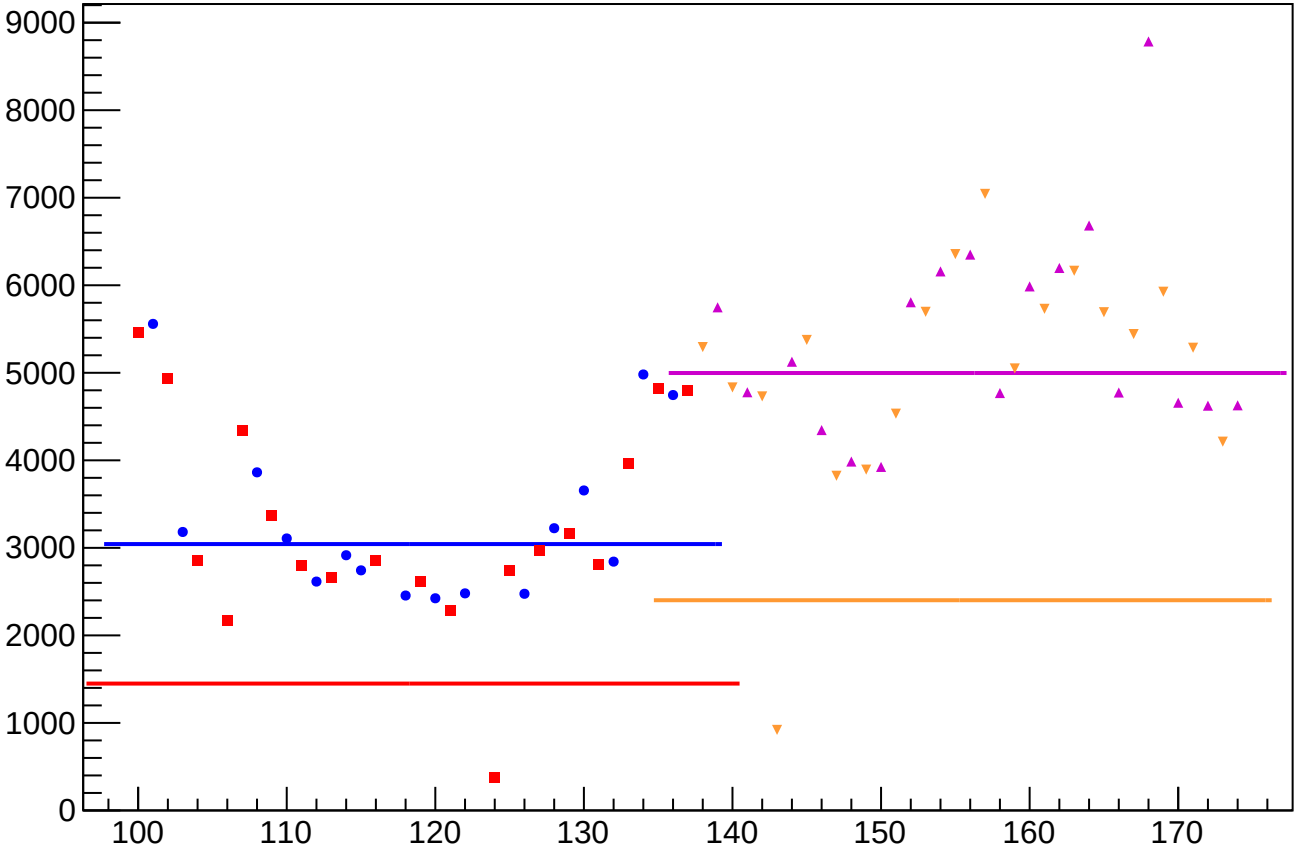
Left In: -538.606+/-1322.480 χ^2/NDF:10.0/17

+ sign -685.321+/-670.096 χ^2/NDF: 44.1/34

All: -825.753+/-462.851 χ^2/NDF: 72.8/71

- sign -953.884+/-640.077 χ^2/NDF: 28.6/36

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2401.651+/-0.577 χ^2/NDF:12358314.4/18

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

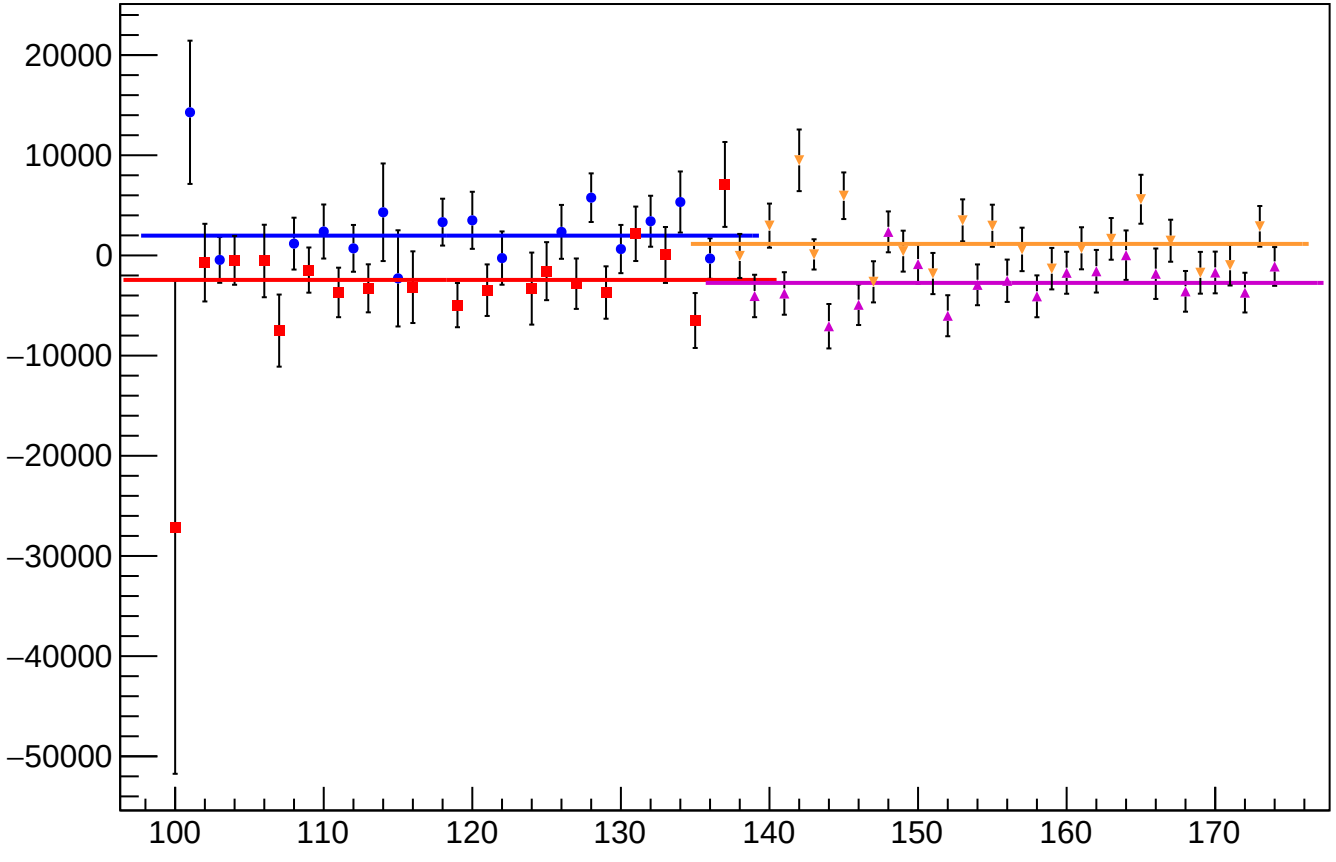
Left In: 4997.531+/-0.935 χ^2/NDF:1022658.6/17

+ sign 2610.956+/-0.474 χ^2/NDF: 13667000.9/34

All: 2438.239+/-0.327 χ^2/NDF: 32792678.6/7

- 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: 1150.585+/-480.868 χ^2/NDF:29.4/18

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

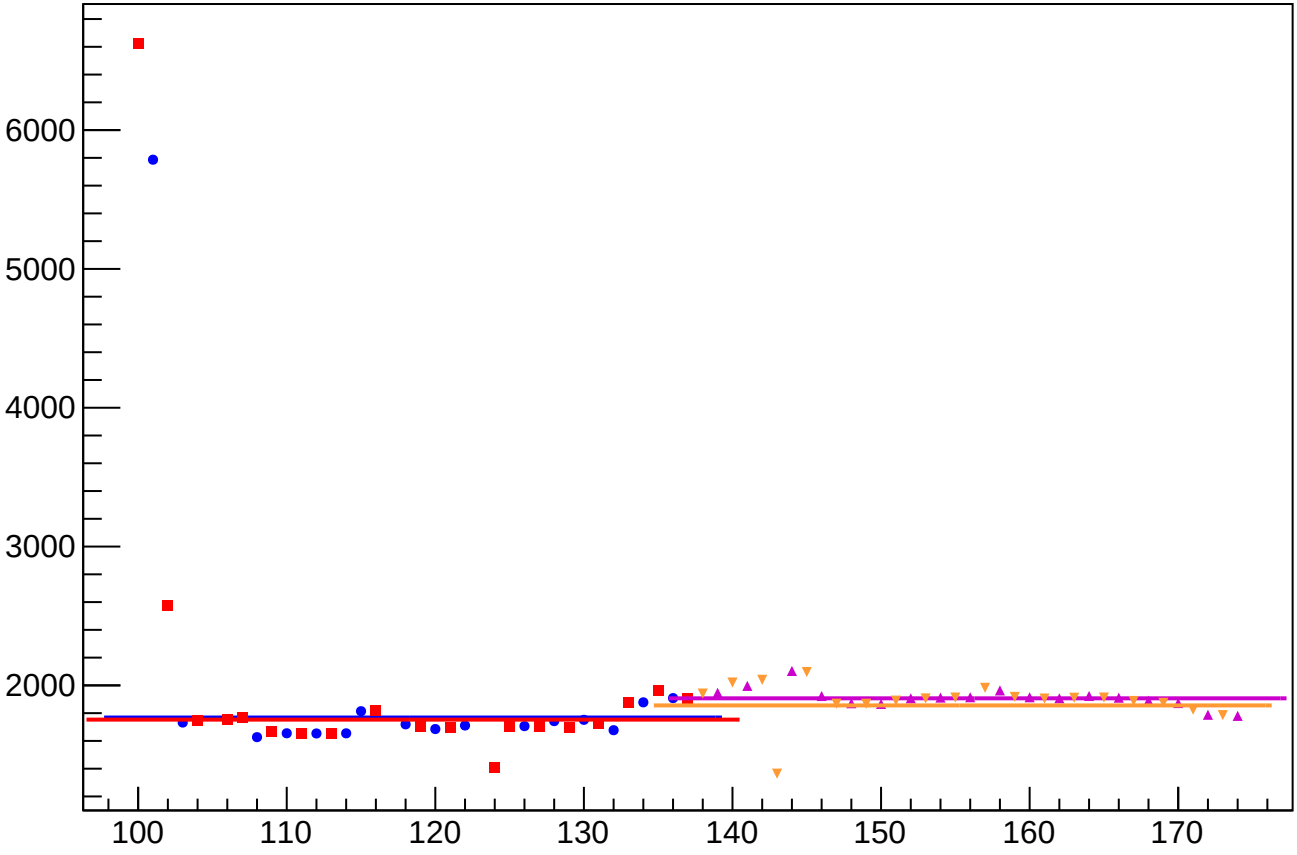
Left In: -2741.217+/-494.655 χ^2/NDF:19.0/17

+ sign 1428.898+/-391.469 χ^2/NDF: 42.8/34

All: -582.610+/-278.162 χ^2/NDF: 132.8/71

- 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: 1855.756+/-0.340 χ^2/NDF:273625.0/18

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

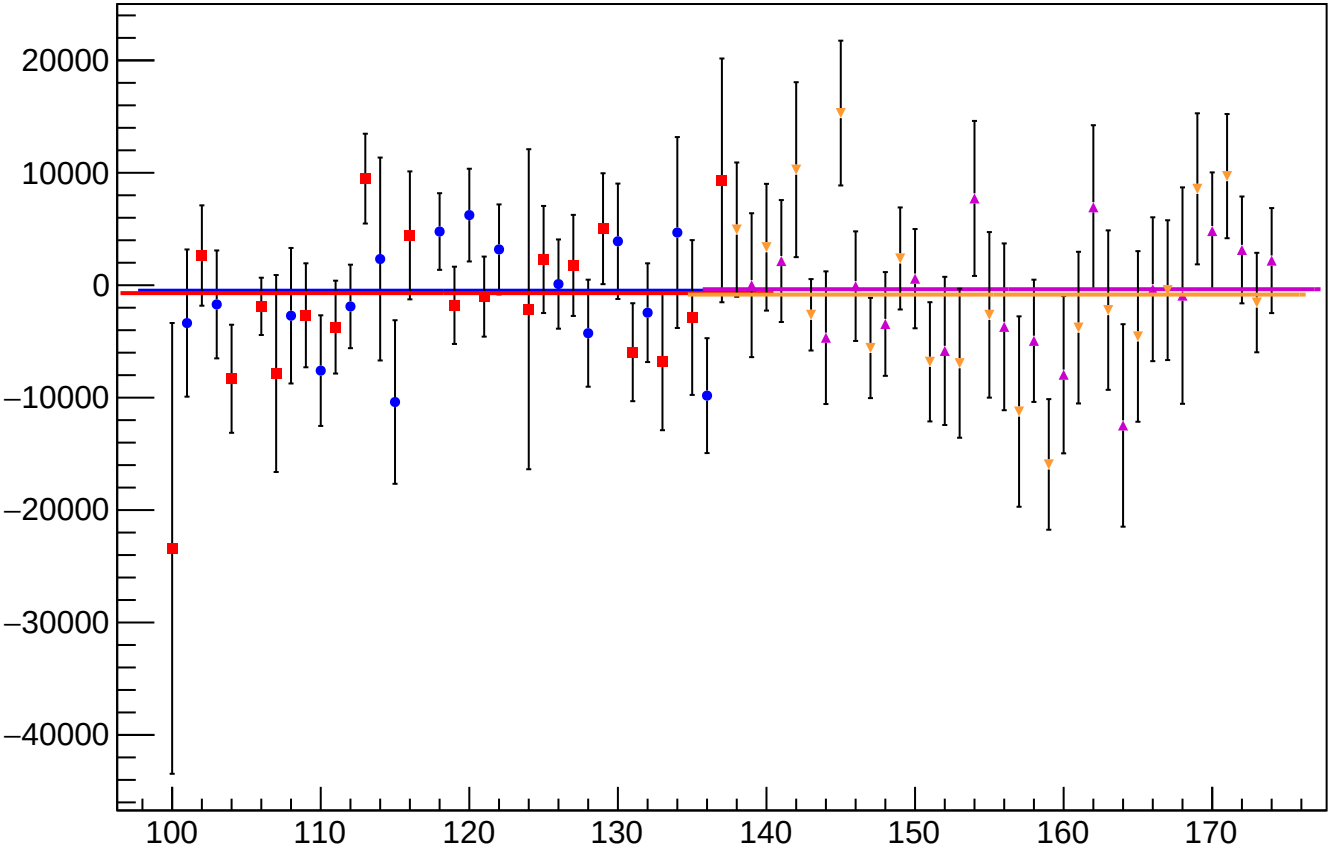
Left In: 1906.844+/-0.350 χ^2/NDF:39636.0/17

+ sign 1826.321+/-0.277 χ^2/NDF: 963211.9/34

All: 1838.656+/-0.197 χ^2/NDF: 1295504.2/71

- 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: -832.093+/-1280.883 χ^2/NDF:28.3/18

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

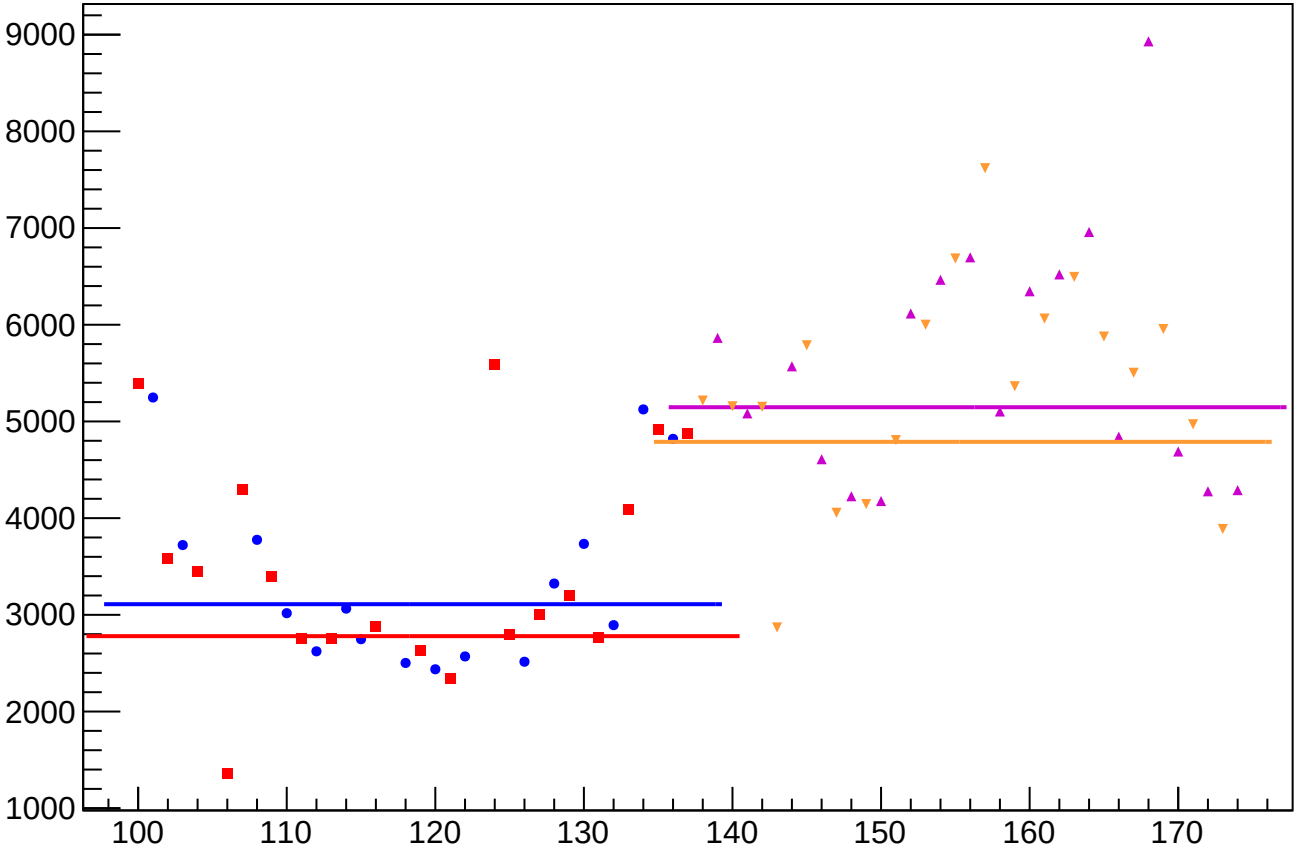
Left In: -355.576+/-1364.393 χ^2/NDF:10.0/17

+ sign -648.683+/-875.146 χ^2/NDF: 44.1/34

All: -608.318+/-606.654 χ^2/NDF: 73.0/71

- 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: 4789.058+/-0.906 χ^2/NDF:1738104.7/18

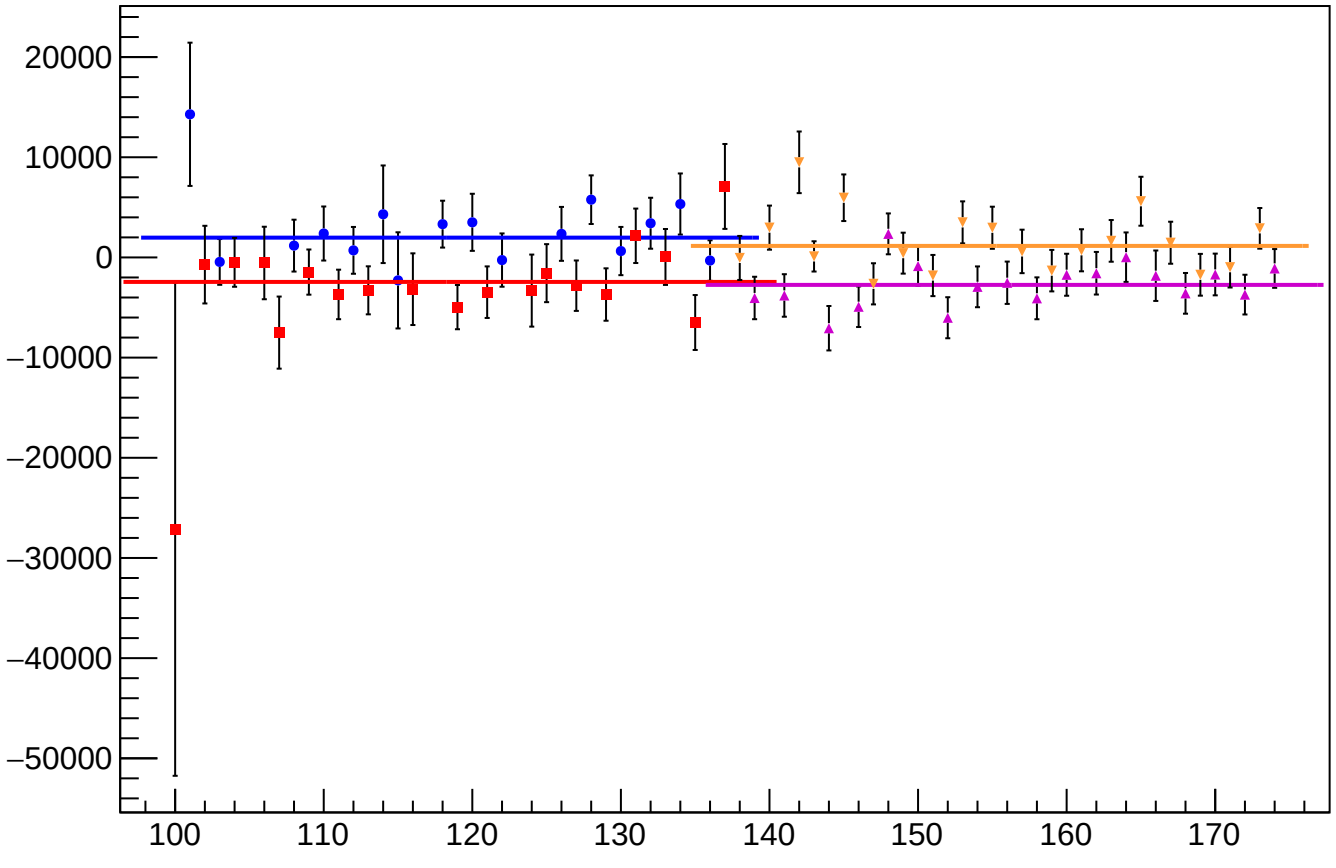
Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5147.147+/-0.965 χ^2/NDF:1113927.7/17

+ sign 3893.875+/-0.619 χ^2/NDF: 4453490.9/34

All: 3783.113+/-0.429 χ^2/NDF: 10707364.3/7

- sign 3680.653+/-0.595 χ^2/NDF: 6192200.7/36



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1150.584+/-480.868 χ^2/NDF:29.4/18

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

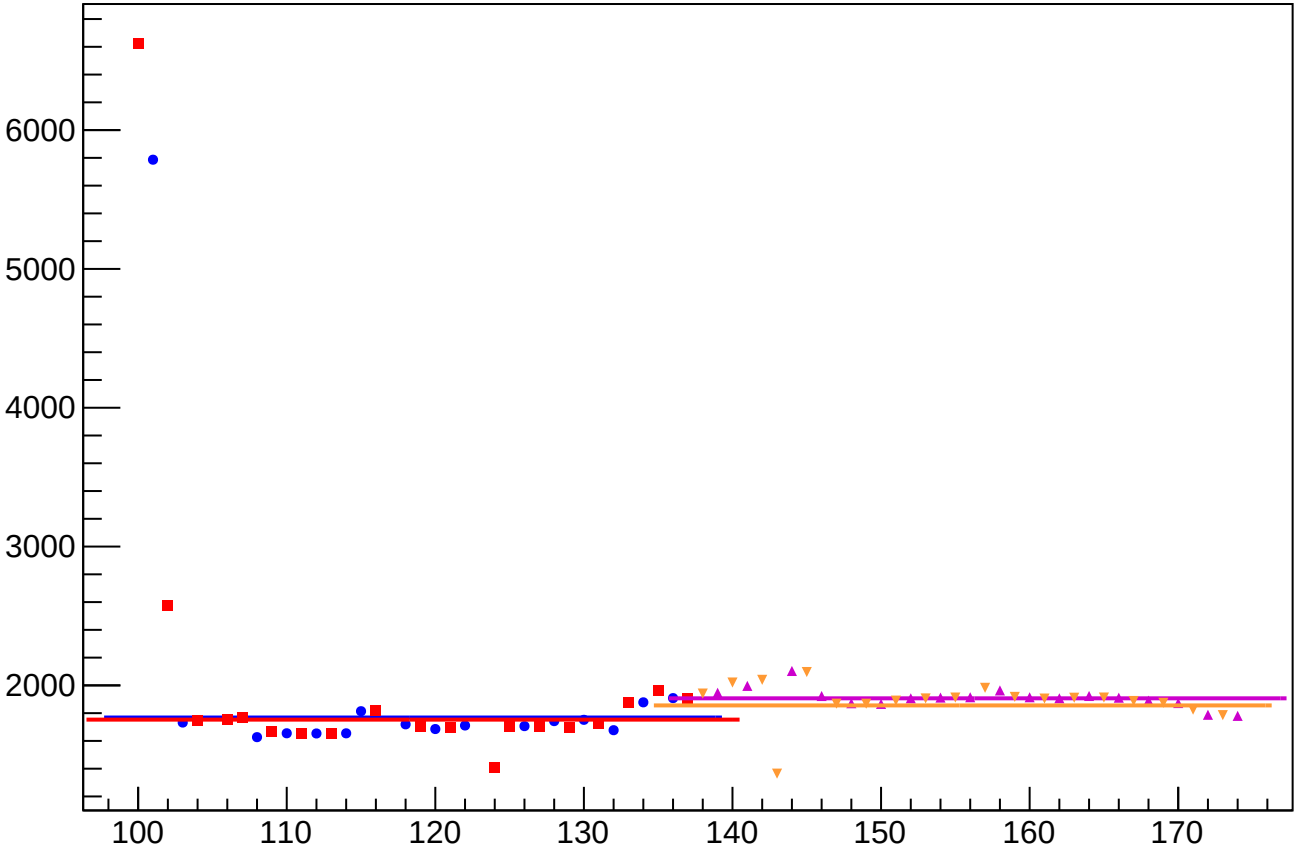
Left In: -2741.217+/-494.655 χ^2/NDF:19.0/17

+ sign 1428.897+/-391.469 χ^2/NDF: 42.8/34

All: -582.611+/-278.163 χ^2/NDF: 132.8/71

- 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: 1855.756+/-0.340 χ^2/NDF:273626.8/18

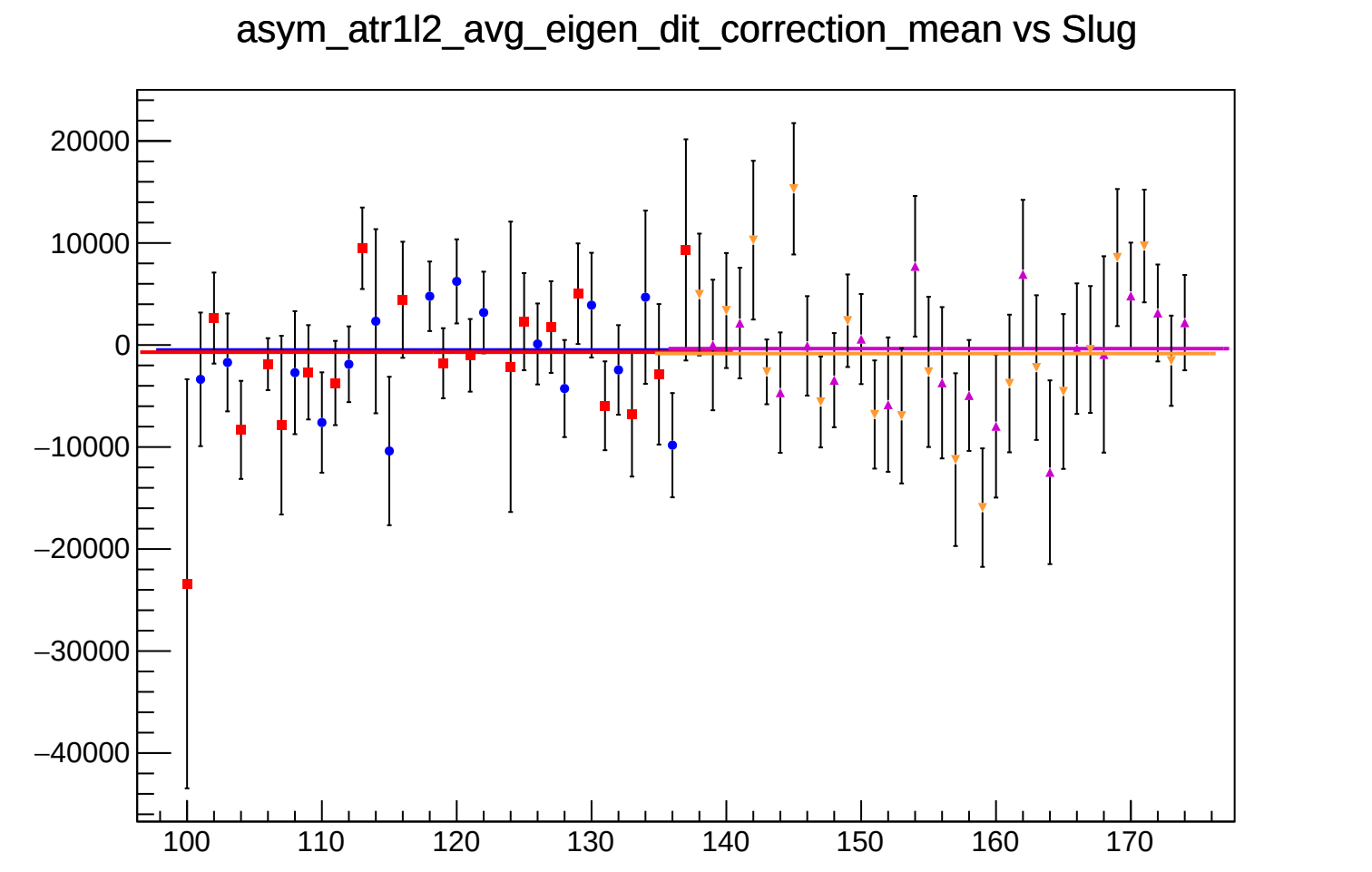
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1906.845+/-0.350 χ^2/NDF:39637.2/17

+ sign 1826.322+/-0.277 χ^2/NDF: 963213.9/34

All: 1838.656+/-0.197 χ^2/NDF: 1295508.0/71

- 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: -832.099+/-1280.884 χ^2/NDF:28.3/18

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

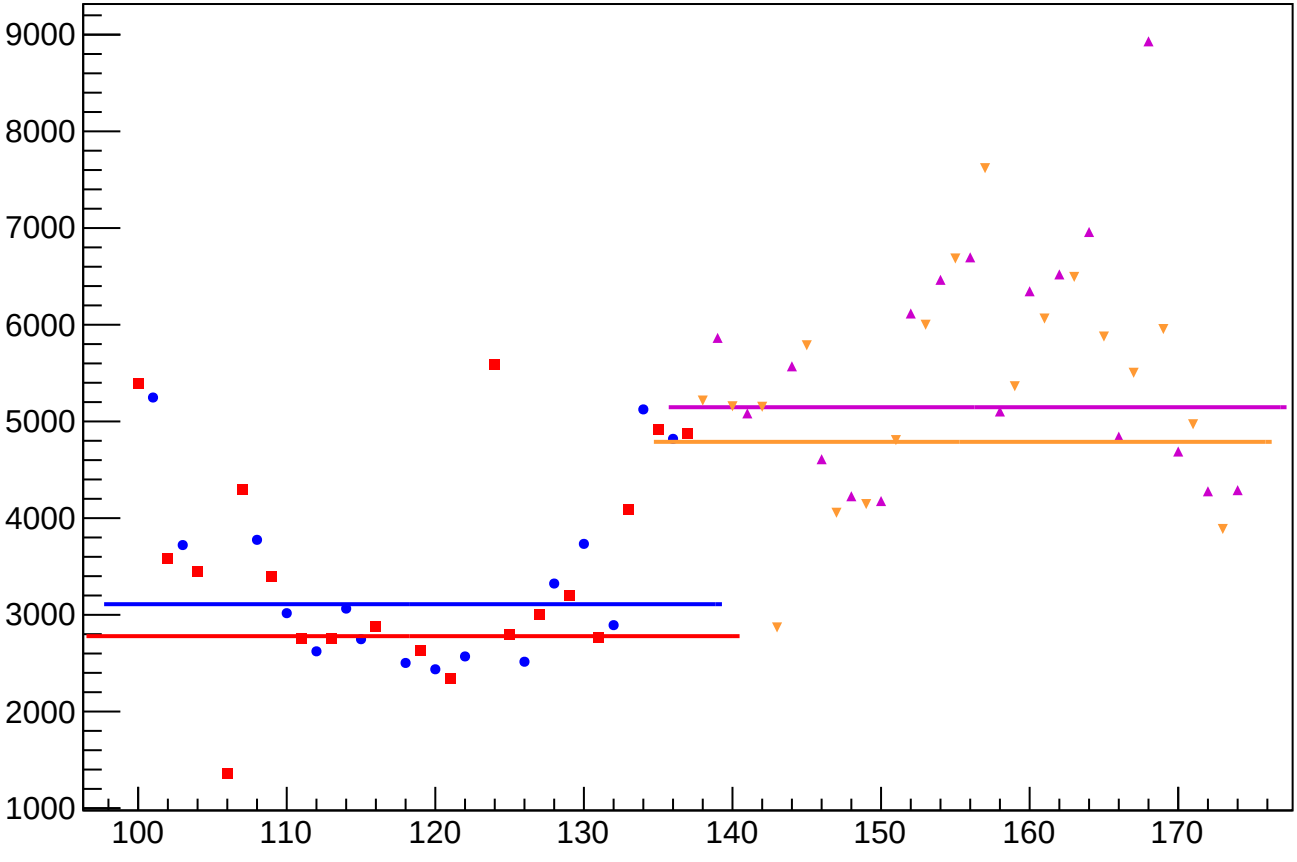
Left In: -355.577+/-1364.395 χ^2/NDF:10.0/17

+ sign -648.681+/-875.145 χ^2/NDF: 44.1/34

All: -608.318+/-606.653 χ^2/NDF: 73.0/71

- 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: 4789.064+/-0.906 χ^2/NDF:1738110.6/18

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

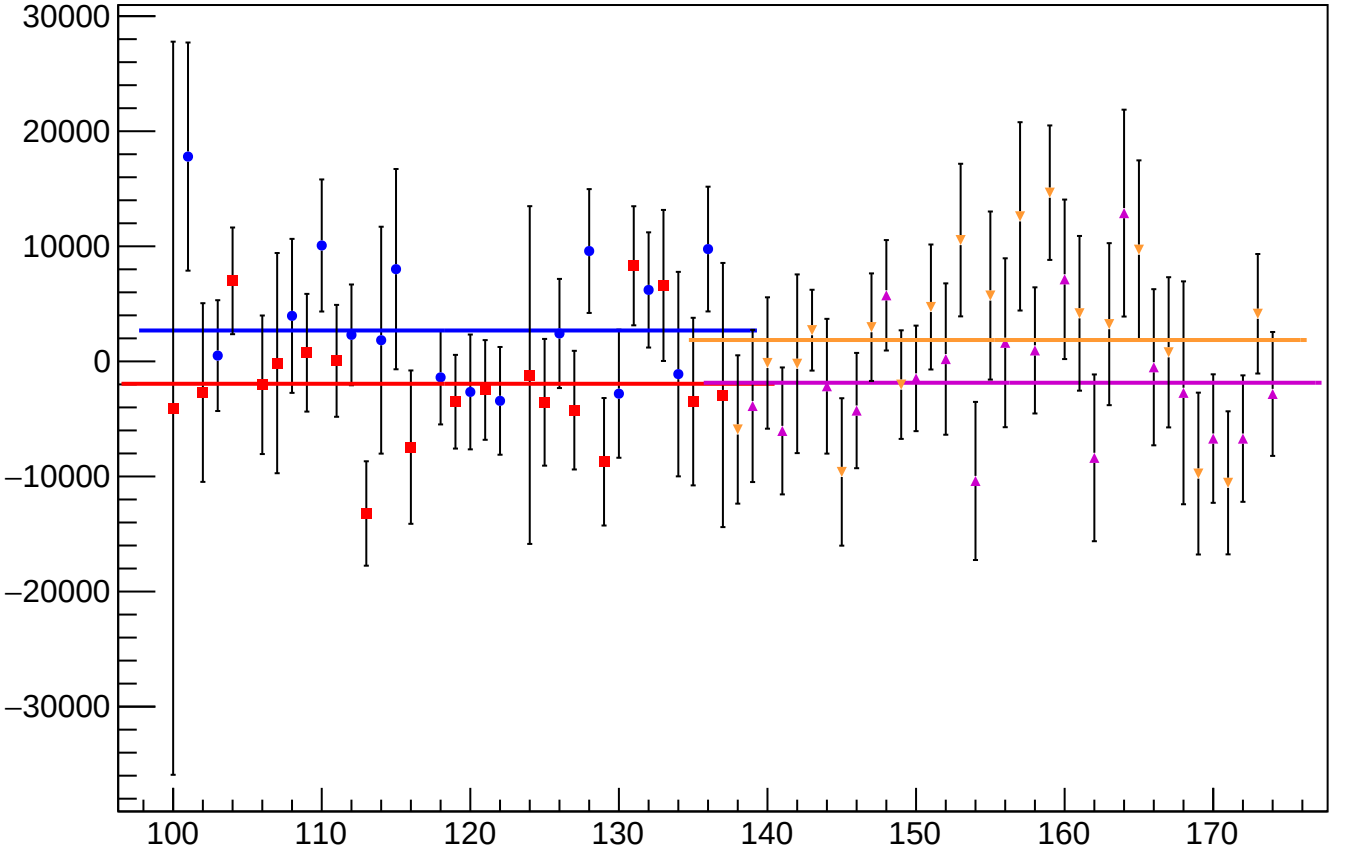
Left In: 5147.155+/-0.965 χ^2/NDF:1113928.7/17

+ sign 3893.868+/-0.619 χ^2/NDF: 4453547.0/34

All: 3783.104+/-0.429 χ^2/NDF: 10707511.2/7

- 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: 1857.289+/-1345.061 χ^2/NDF:22.6/18

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

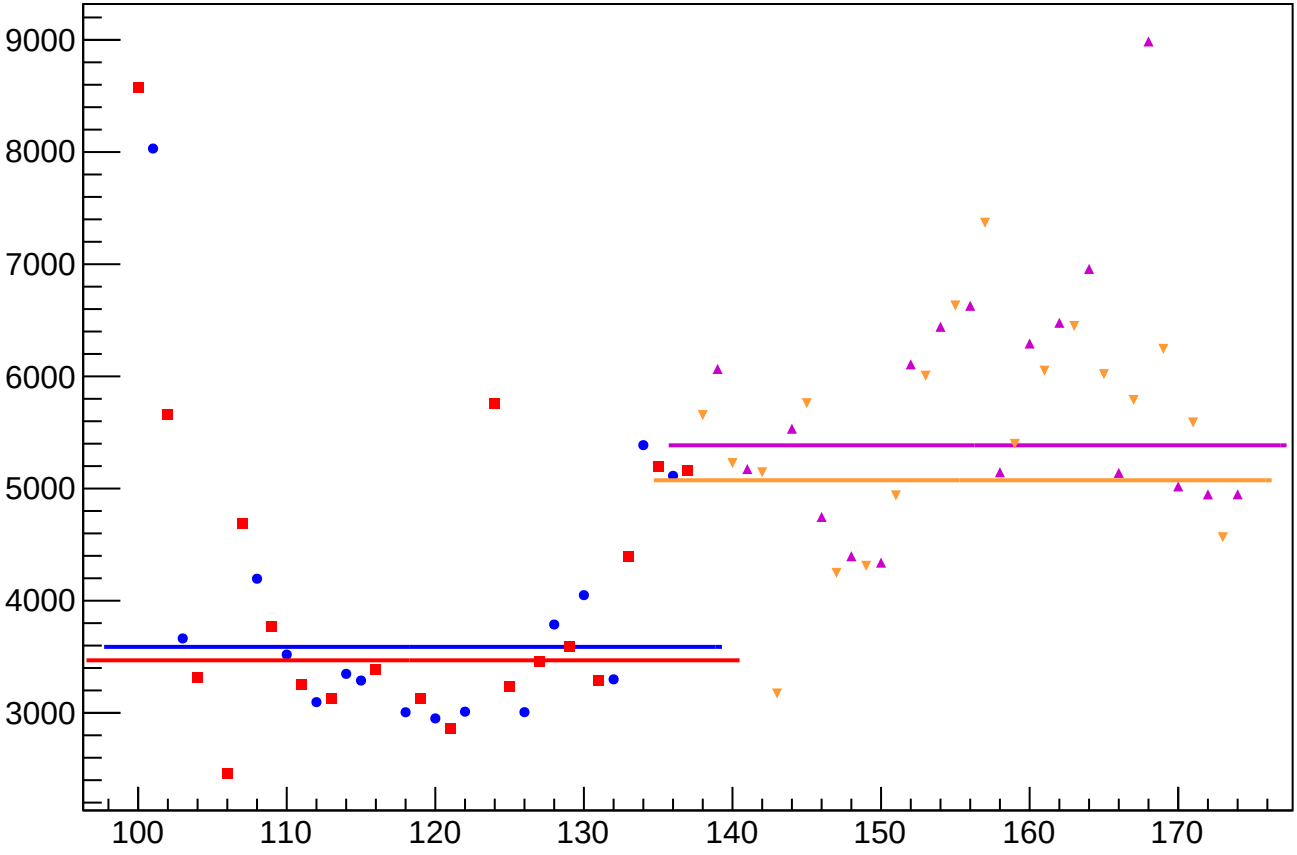
Left In: -1857.001+/-1419.532 χ^2/NDF:12.3/17

+ sign 2260.764+/-963.185 χ^2/NDF: 36.2/34

All: 196.688+/-684.072 χ^2/NDF: 76.5/71

- 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: 5073.841+/-0.951 χ^2/NDF:1297838.3/18

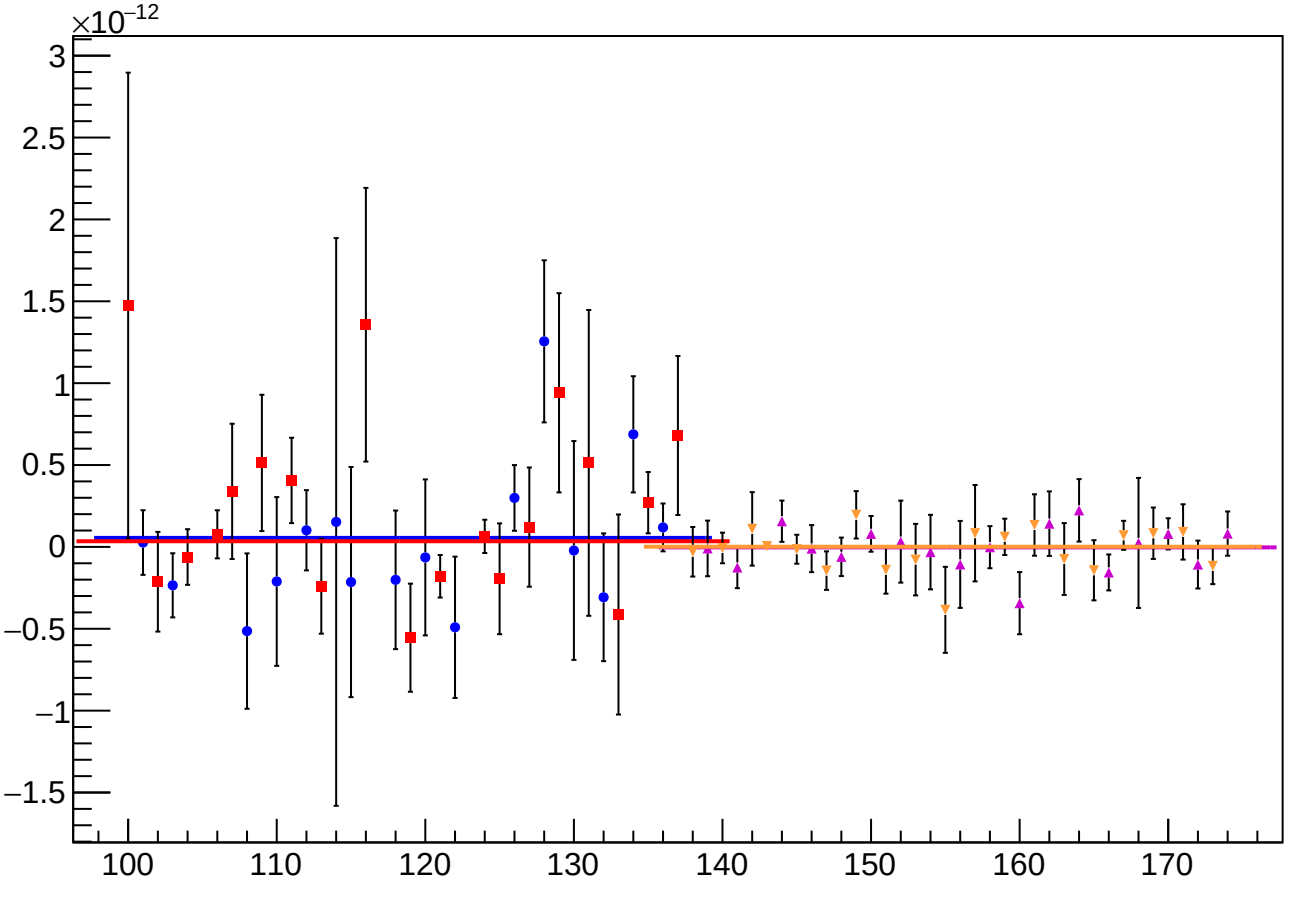
Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5385.379+/-1.004 χ^2/NDF:834211.1/17

+ sign 4350.126+/-0.681 χ^2/NDF: 3331451.1/34

All: 4351.163+/-0.482 χ^2/NDF: 6797747.3/71

- 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:10.8/18

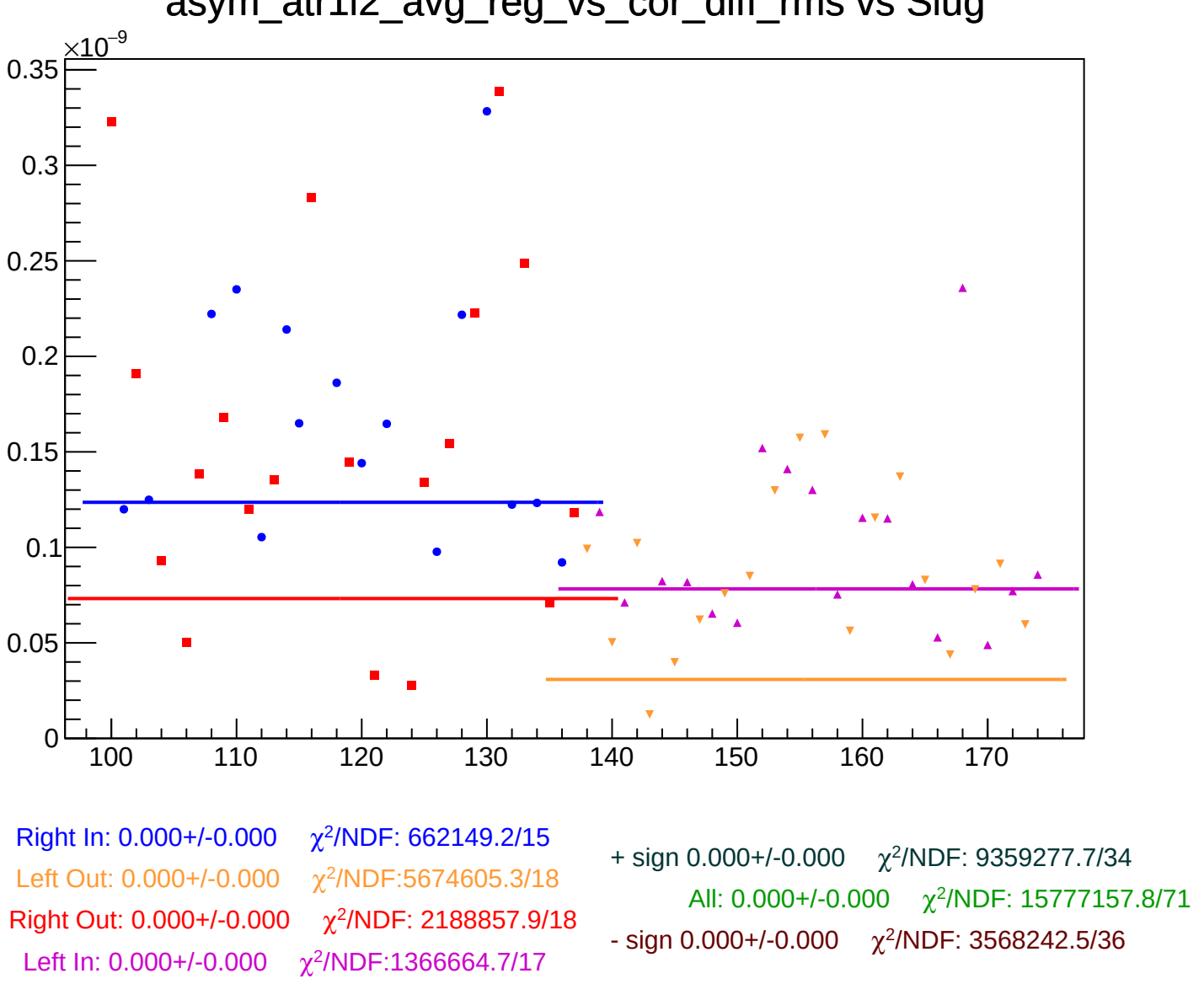
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:12.3/17

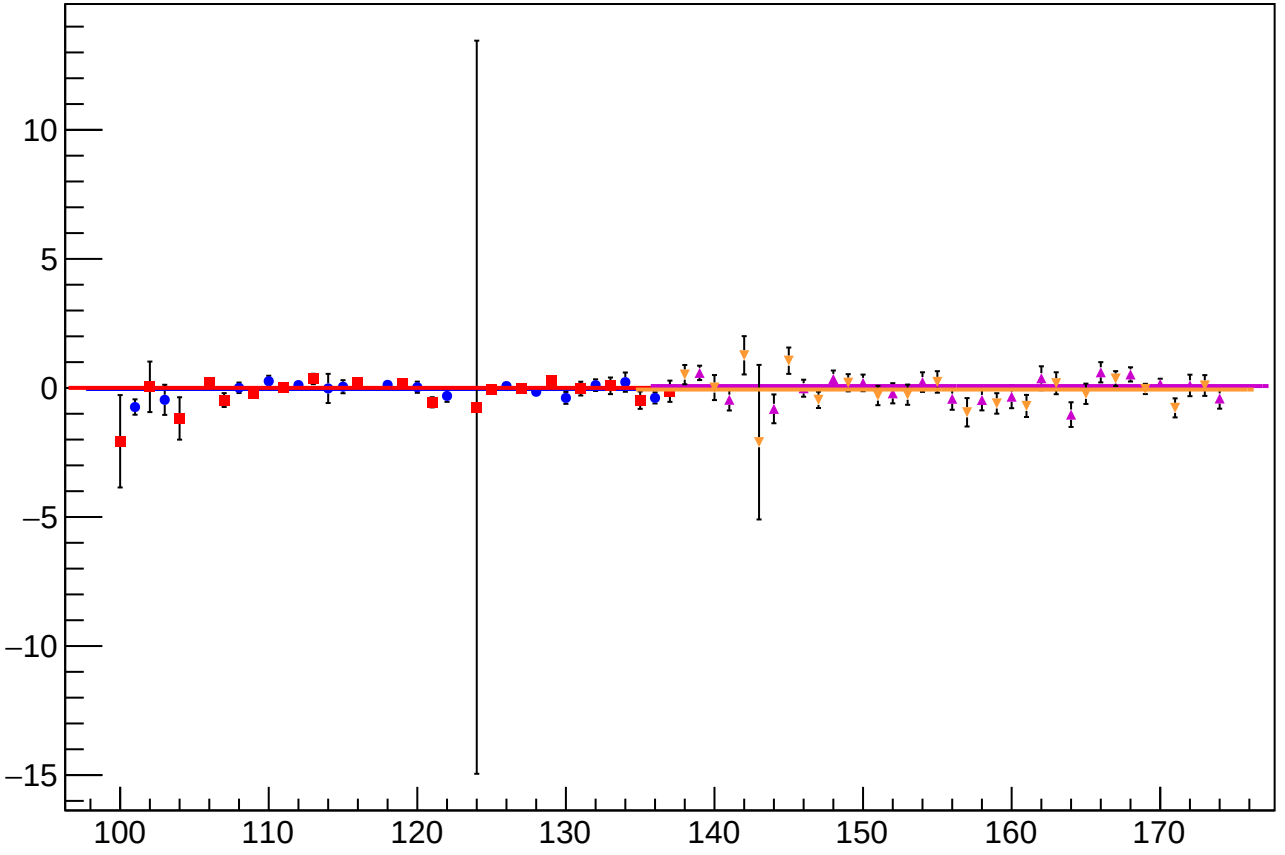
+ sign 0.000+/-0.000 χ^2/NDF: 29.1/34

All: 0.000+/-0.000 χ^2/NDF: 64.0/71

- 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:5674605.3/18
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: 9359277.7/34
All: 0.000+/-0.000 χ²/NDF: 15777157.8/71
- 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: -0.062+/-0.087 χ^2/NDF:27.4/18

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

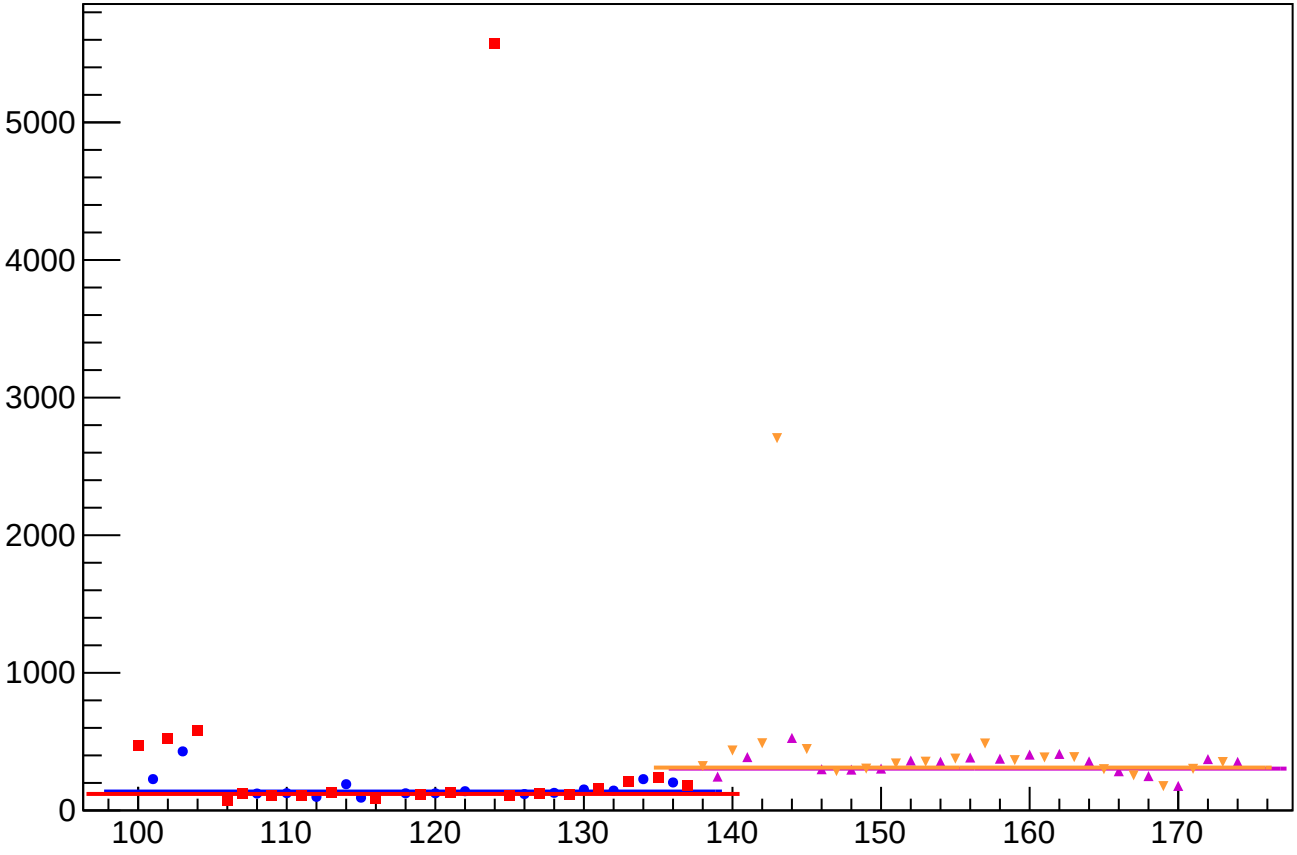
Left In: 0.073+/-0.083 χ^2/NDF:24.9/17

+ sign -0.046+/-0.047 χ^2/NDF: 45.4/34

All: -0.009+/-0.032 χ^2/NDF: 100.7/71

- 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: 311.507+/-0.061 χ^2/NDF:3145582.6/18

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

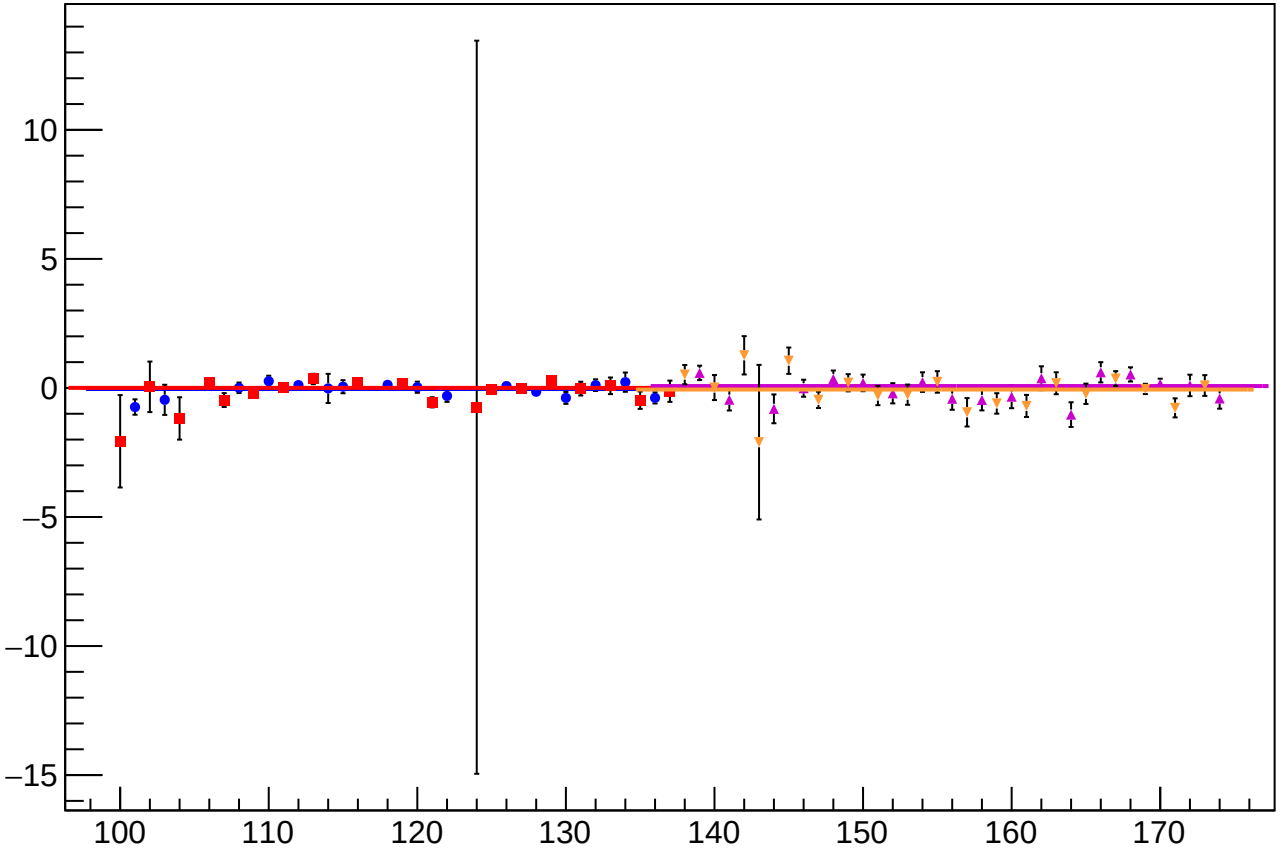
Left In: 303.983+/-0.059 χ^2/NDF:1880951.6/17

+ sign 188.561+/-0.033 χ^2/NDF: 10131285.3/34

All: 178.770+/-0.023 χ^2/NDF: 21462300.9/71

- 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: -0.062+/-0.087 χ^2/NDF:27.4/18

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

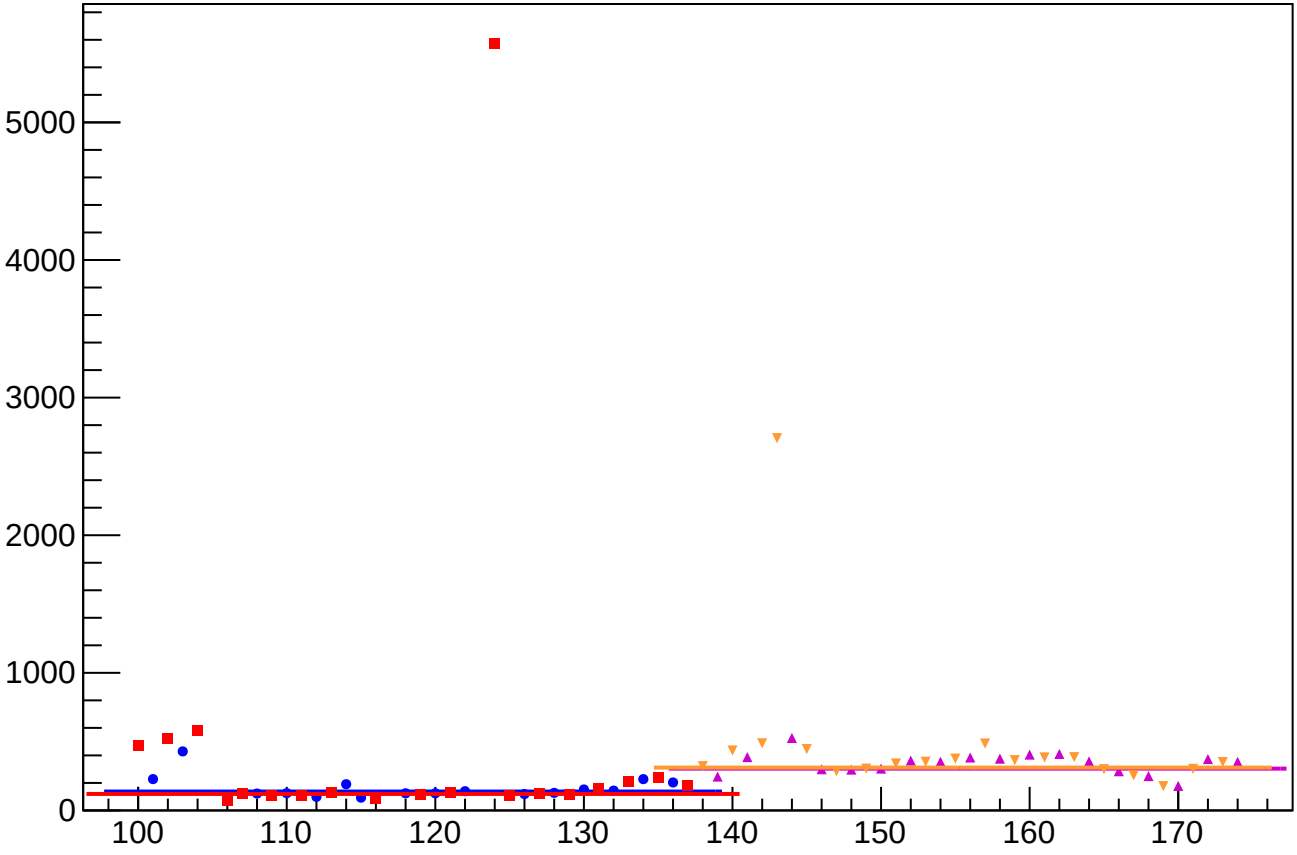
Left In: 0.073+/-0.083 χ^2/NDF:24.9/17

+ sign -0.046+/-0.047 χ^2/NDF: 45.4/34

All: -0.009+/-0.032 χ^2/NDF: 100.7/71

- 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: 311.507+/-0.061 χ^2/NDF:3145582.6/18

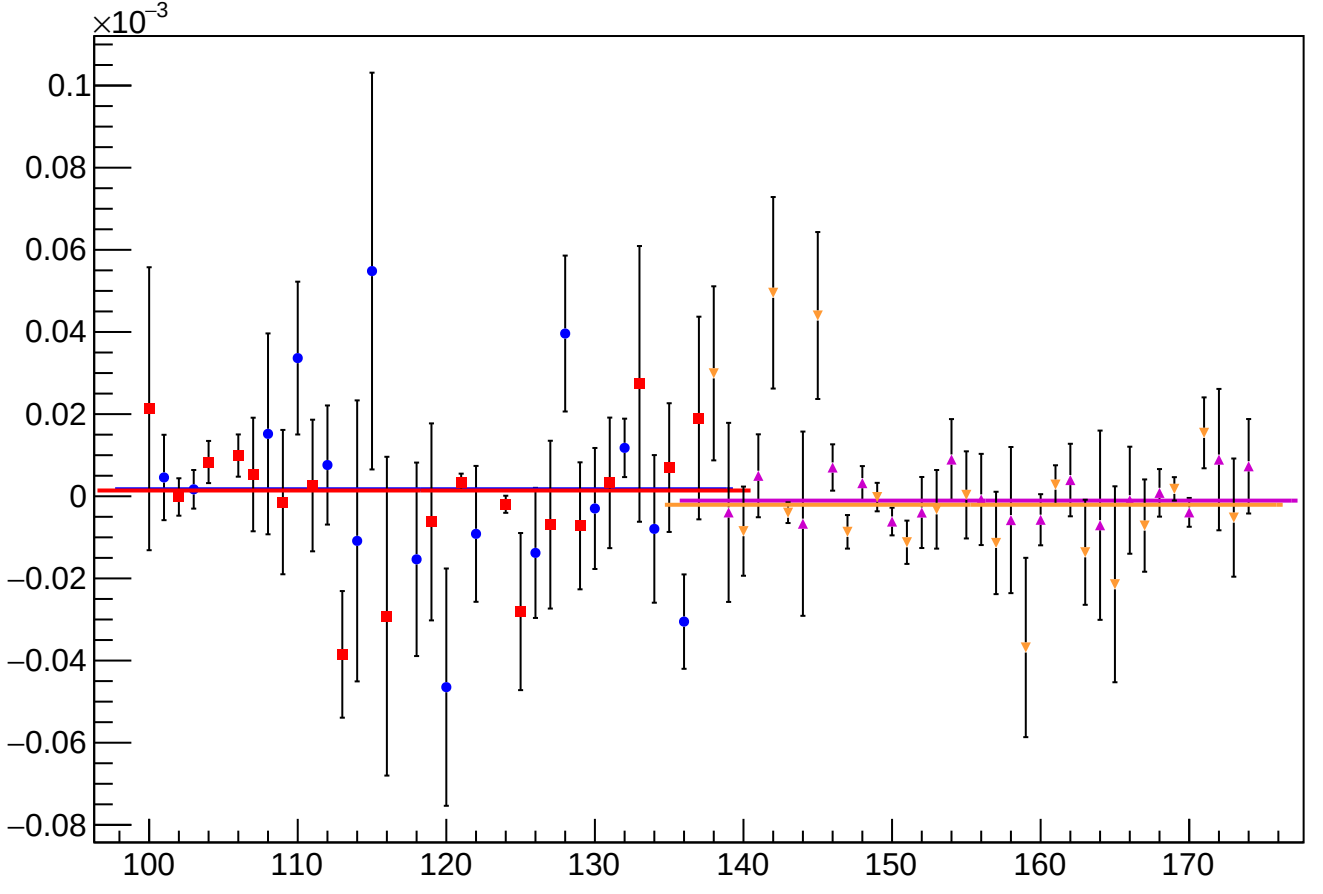
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 303.983+/-0.059 χ^2/NDF:1880951.6/17

+ sign 188.561+/-0.033 χ^2/NDF: 10131285.3/34

All: 178.770+/-0.023 χ^2/NDF: 21462300.9/71

- 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:31.1/18

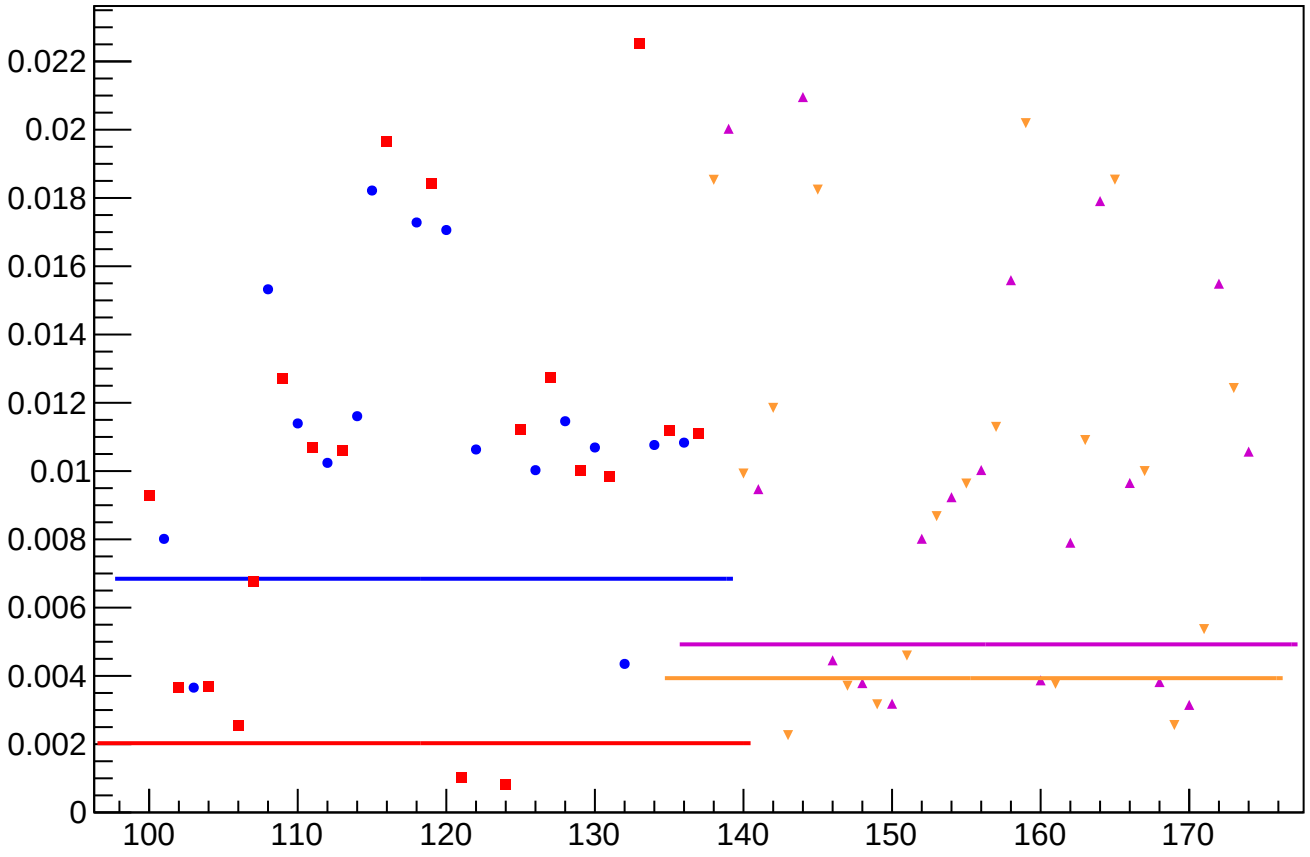
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:9.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 56.2/34

All: -0.000+/-0.000 χ^2/NDF: 89.1/71

- sign 0.000+/-0.000 χ^2/NDF: 31.4/36



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:9819926.4/18

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

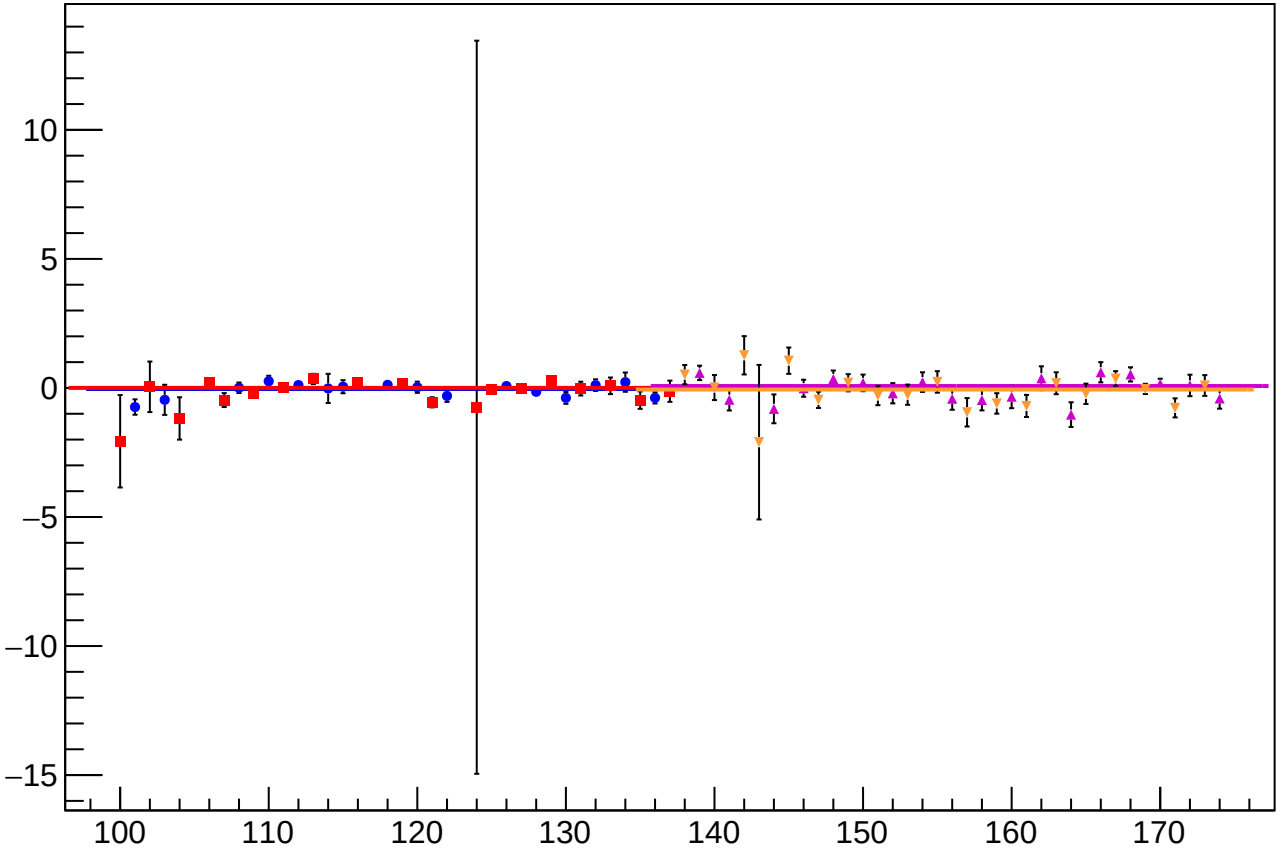
Left In: 0.005+/-0.000 χ^2/NDF:7868994.6/17

+ sign 0.004+/-0.000 χ^2/NDF: 14661880.6/34

All: 0.004+/-0.000 χ^2/NDF: 36952440.6/71

- sign 0.003+/-0.000 χ^2/NDF: 20955072.0/36

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.062+/-0.087 χ^2/NDF:27.4/18

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

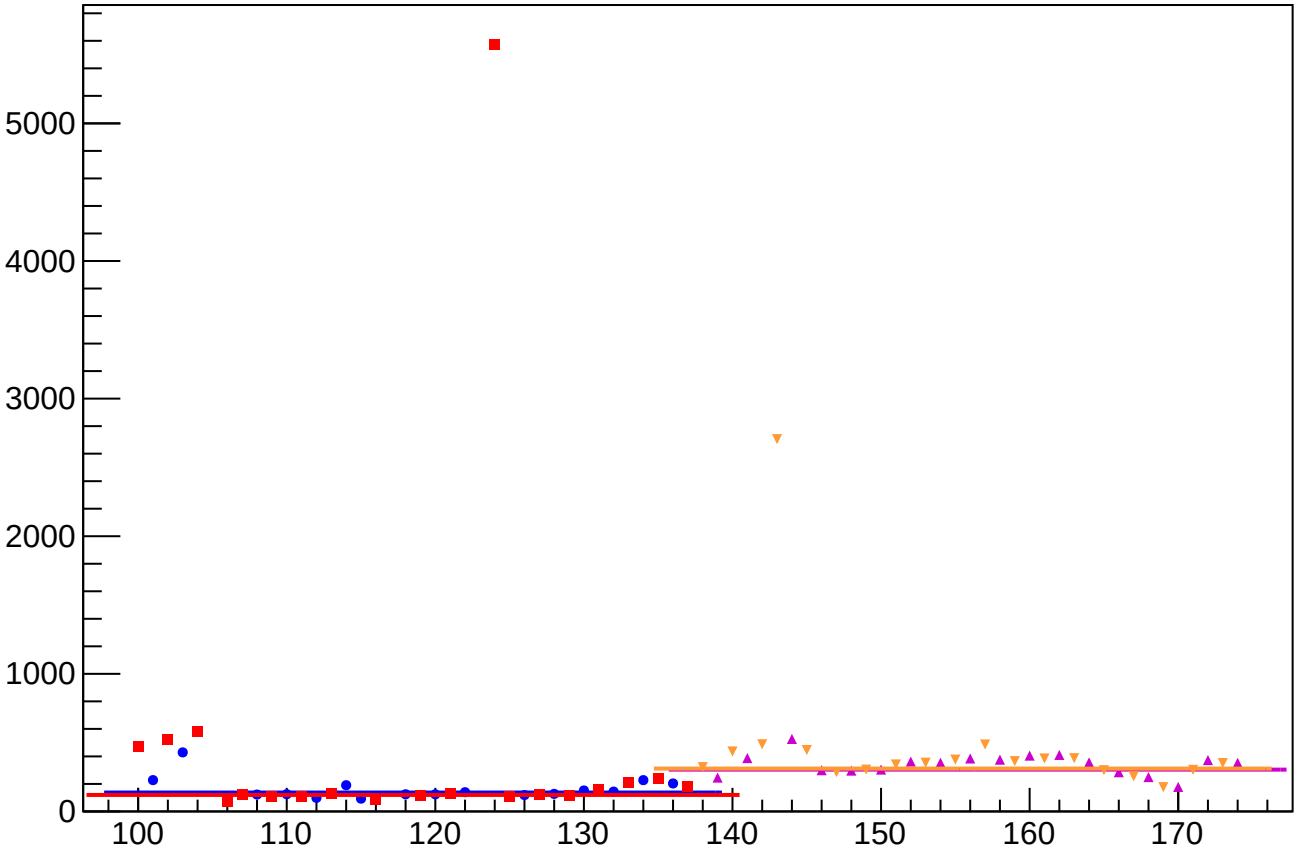
Left In: 0.073+/-0.083 χ^2/NDF:24.9/17

+ sign -0.046+/-0.047 χ^2/NDF: 45.4/34

All: -0.009+/-0.032 χ^2/NDF: 100.7/71

- 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: 311.509+/-0.061 χ^2/NDF:3145638.0/18

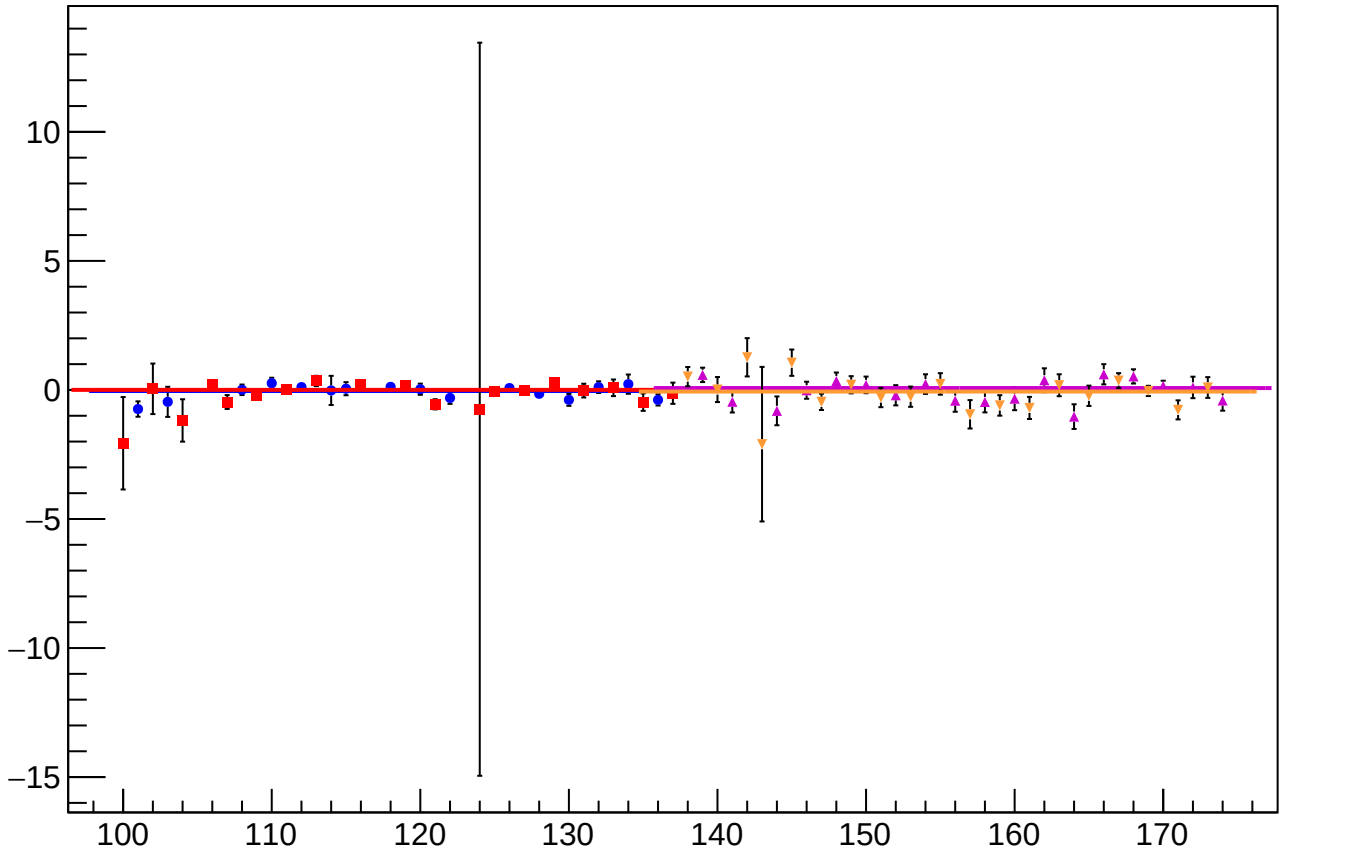
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 303.986+/-0.059 χ^2/NDF:1880941.8/17

+ sign 188.562+/-0.033 χ^2/NDF: 10131282.0/34

All: 178.771+/-0.023 χ^2/NDF: 21462354.6/71

- 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: -0.062+/-0.087 χ^2/NDF:27.4/18

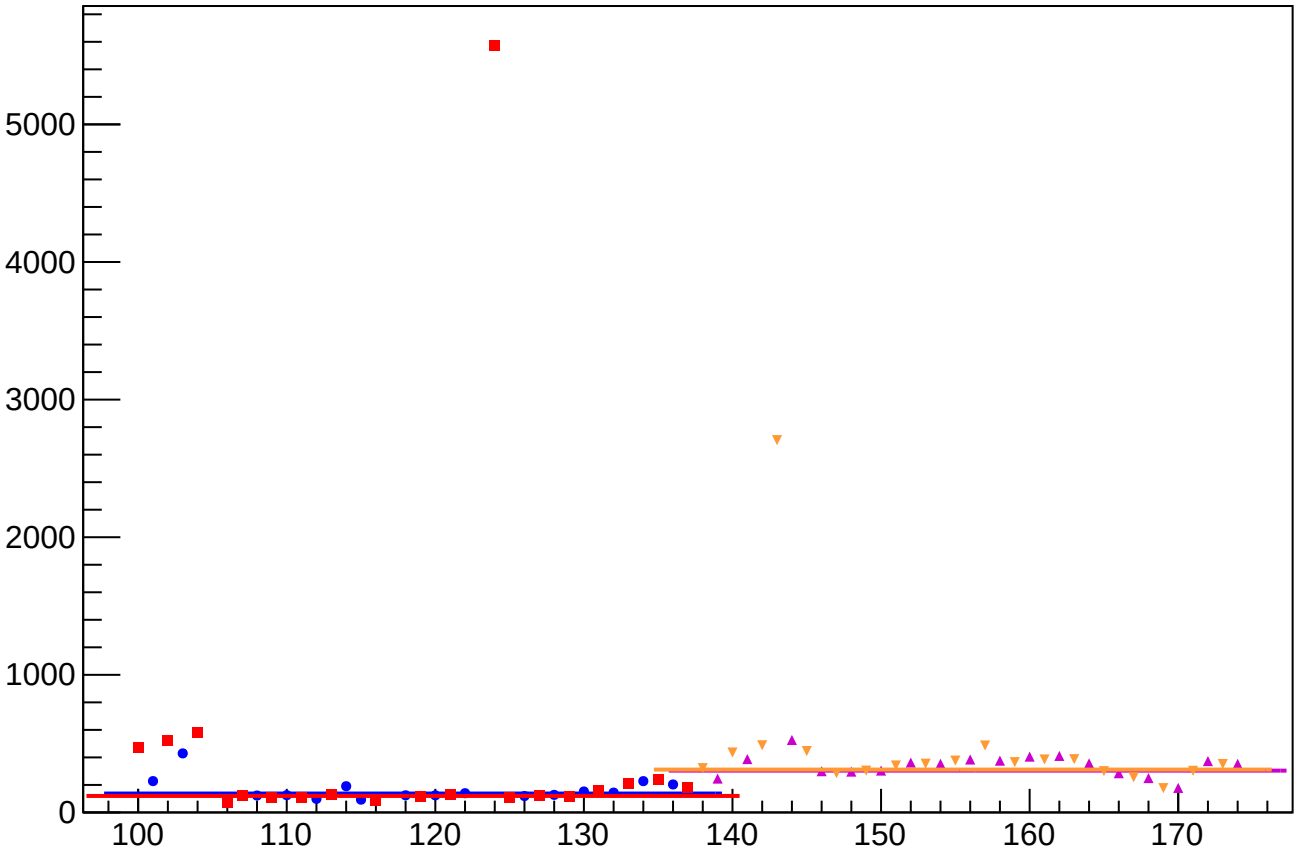
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.073+/-0.083 χ^2/NDF:24.9/17

\+ sign -0.046+/-0.047 χ^2/NDF: 45.4/34

All: -0.009+/-0.032 χ^2/NDF: 100.7/71

\- 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: 311.509+/-0.061 χ^2/NDF:3145638.0/18

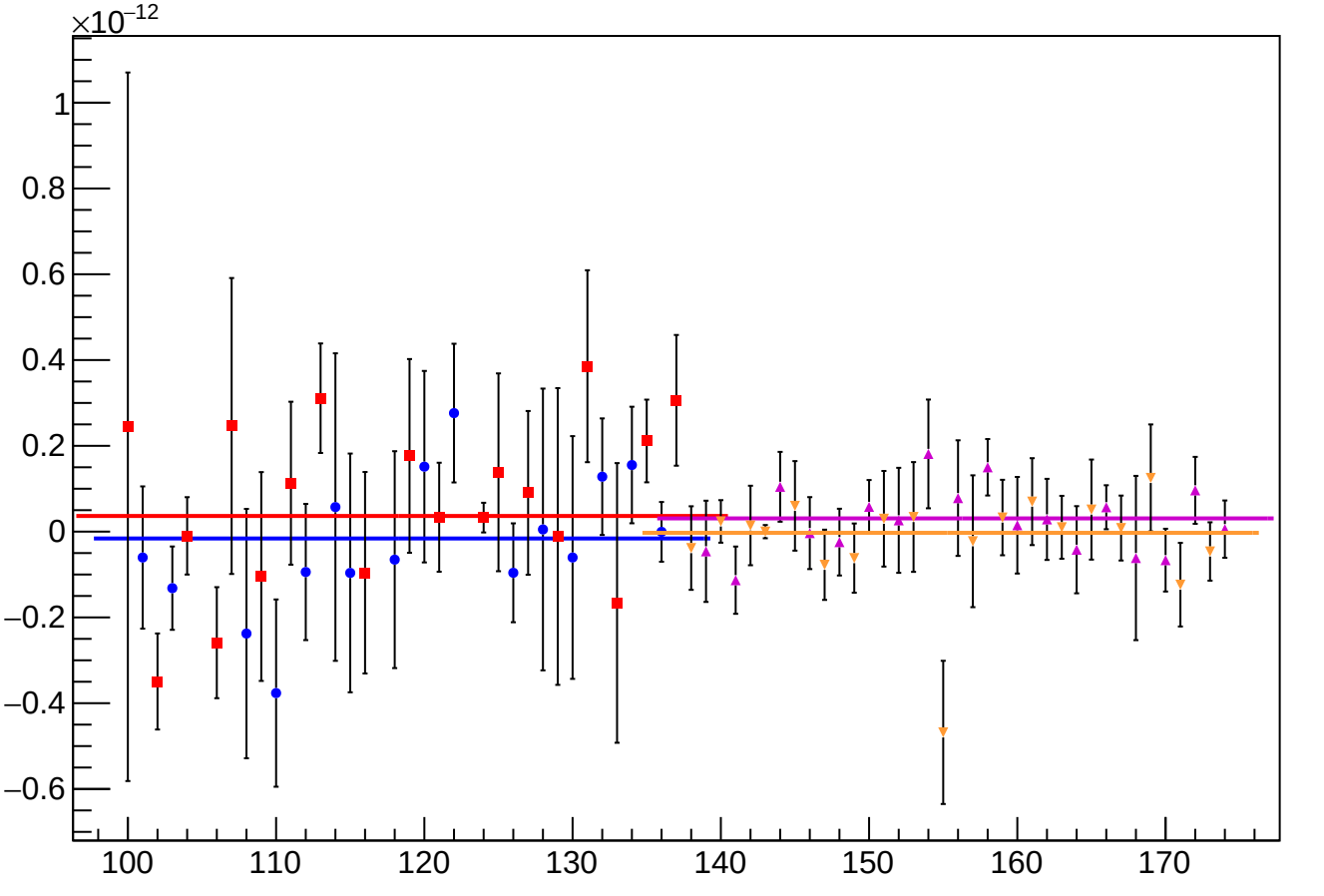
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 303.986+/-0.059 χ^2/NDF:1880941.8/17

+ sign 188.562+/-0.033 χ^2/NDF: 10131282.0/34

All: 178.771+/-0.023 χ^2/NDF: 21462354.6/71

- sign 170.391+/-0.031 χ^2/NDF: 11169353.1/36



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/18

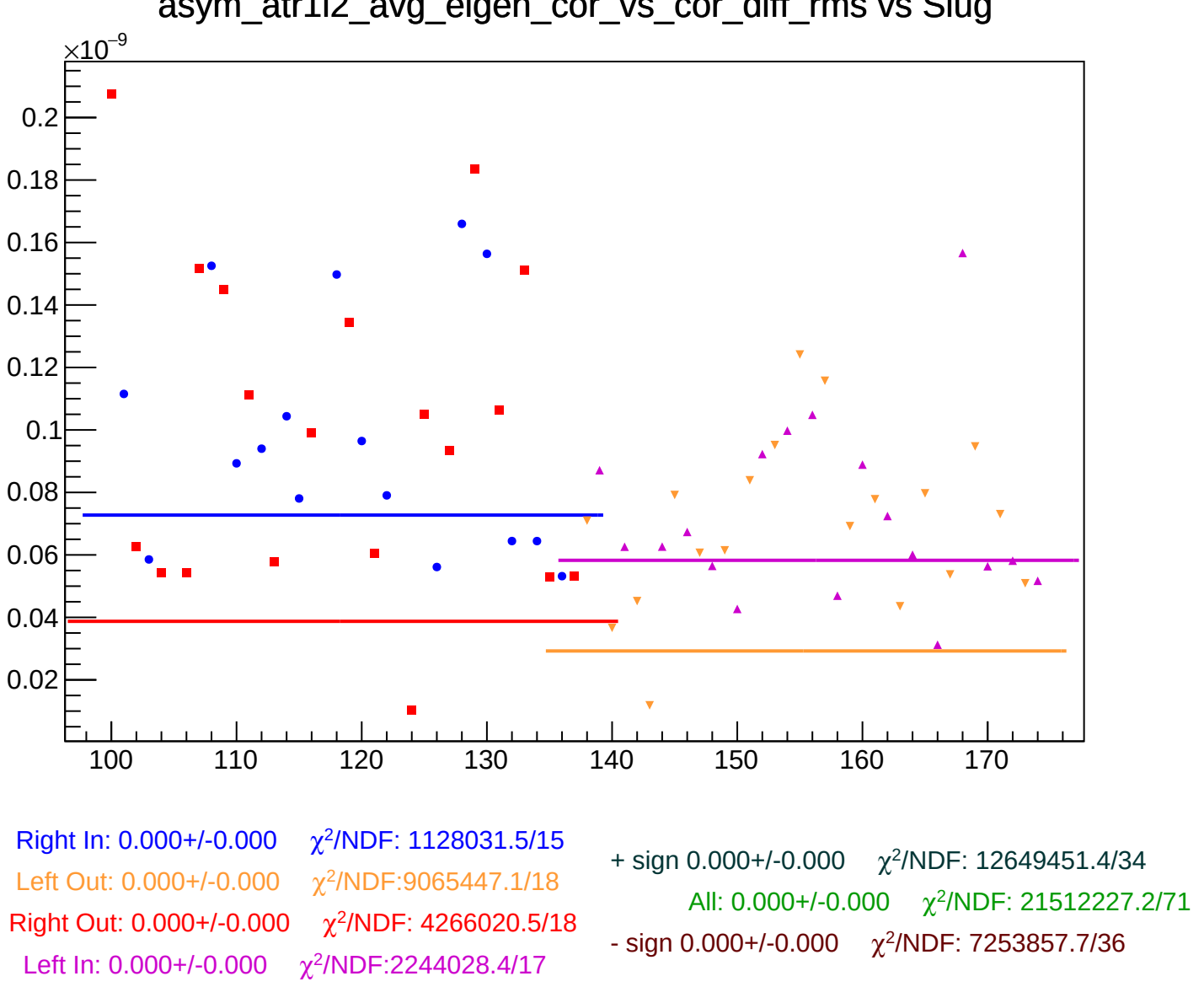
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/17

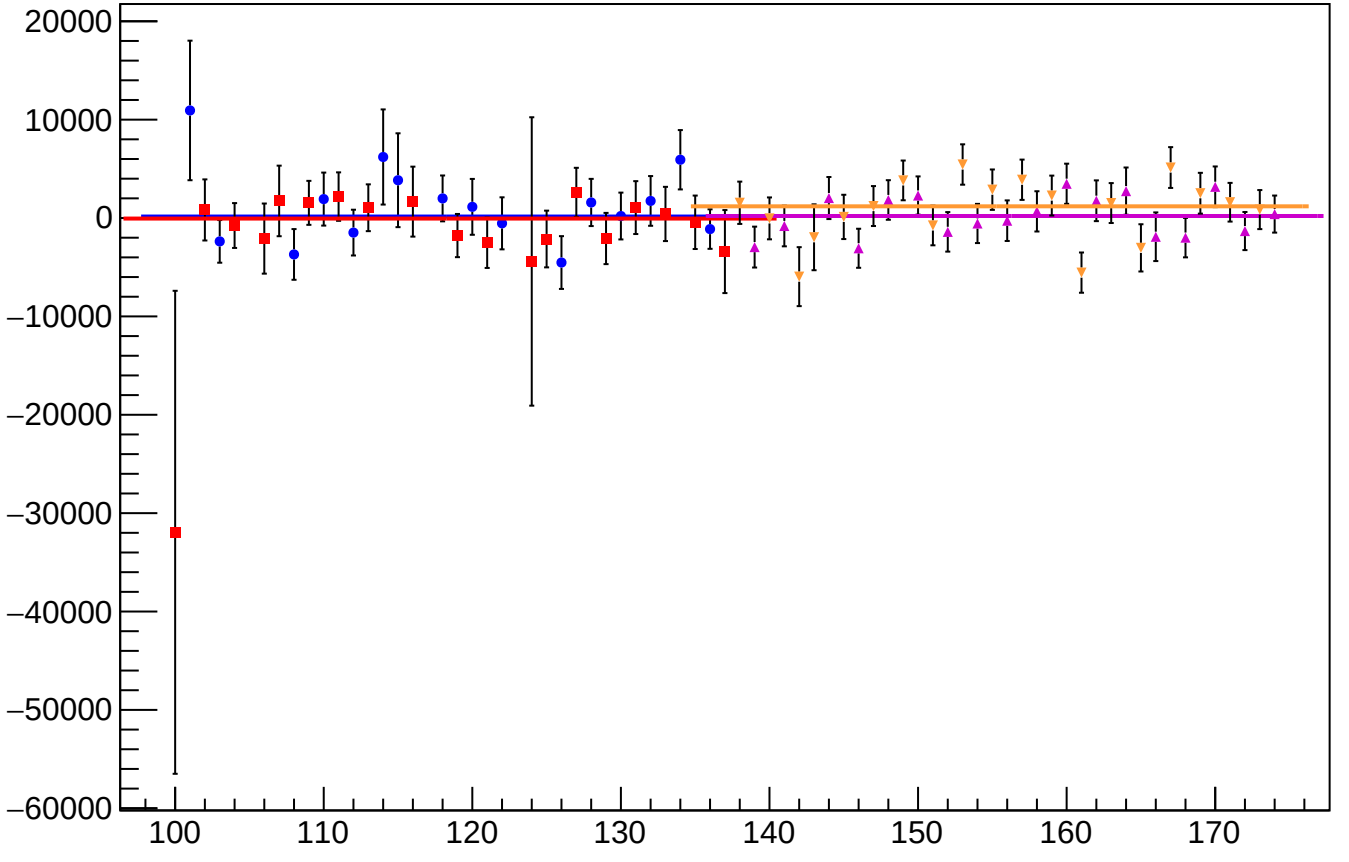
+ sign -0.000+/-0.000 χ^2/NDF: 26.5/34

All: 0.000+/-0.000 χ^2/NDF: 77.3/71

- 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:9065447.1/18
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: 12649451.4/34
All: 0.000+/-0.000 χ²/NDF: 21512227.2/71
- 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: 1190.233+/-490.472 χ^2/NDF:34.9/18

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

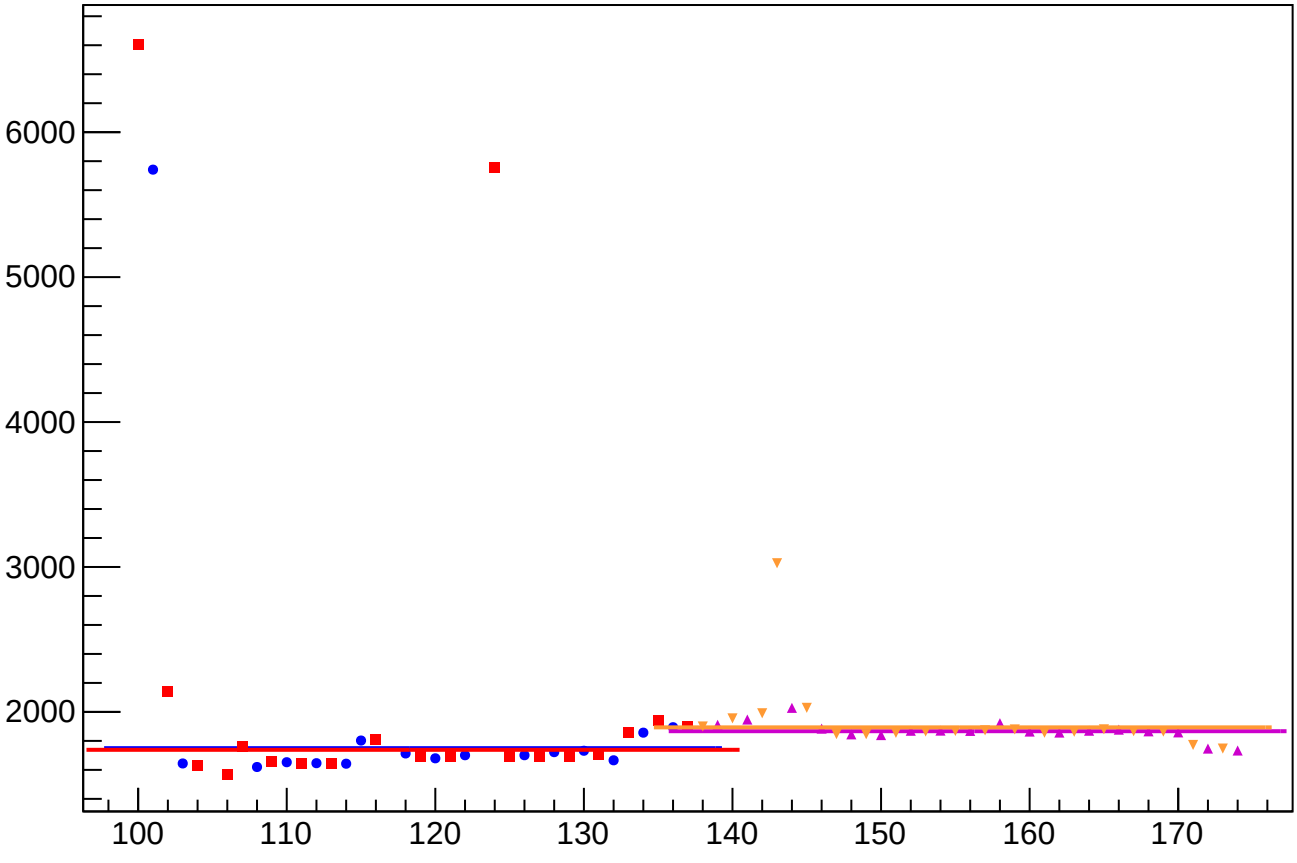
Left In: 206.576+/-484.233 χ^2/NDF:17.6/17

+ sign 825.432+/-395.146 χ^2/NDF: 54.1/34

All: 464.791+/-277.370 χ^2/NDF: 82.4/71

- 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: 1893.358+/-0.347 χ^2/NDF:263839.3/18

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

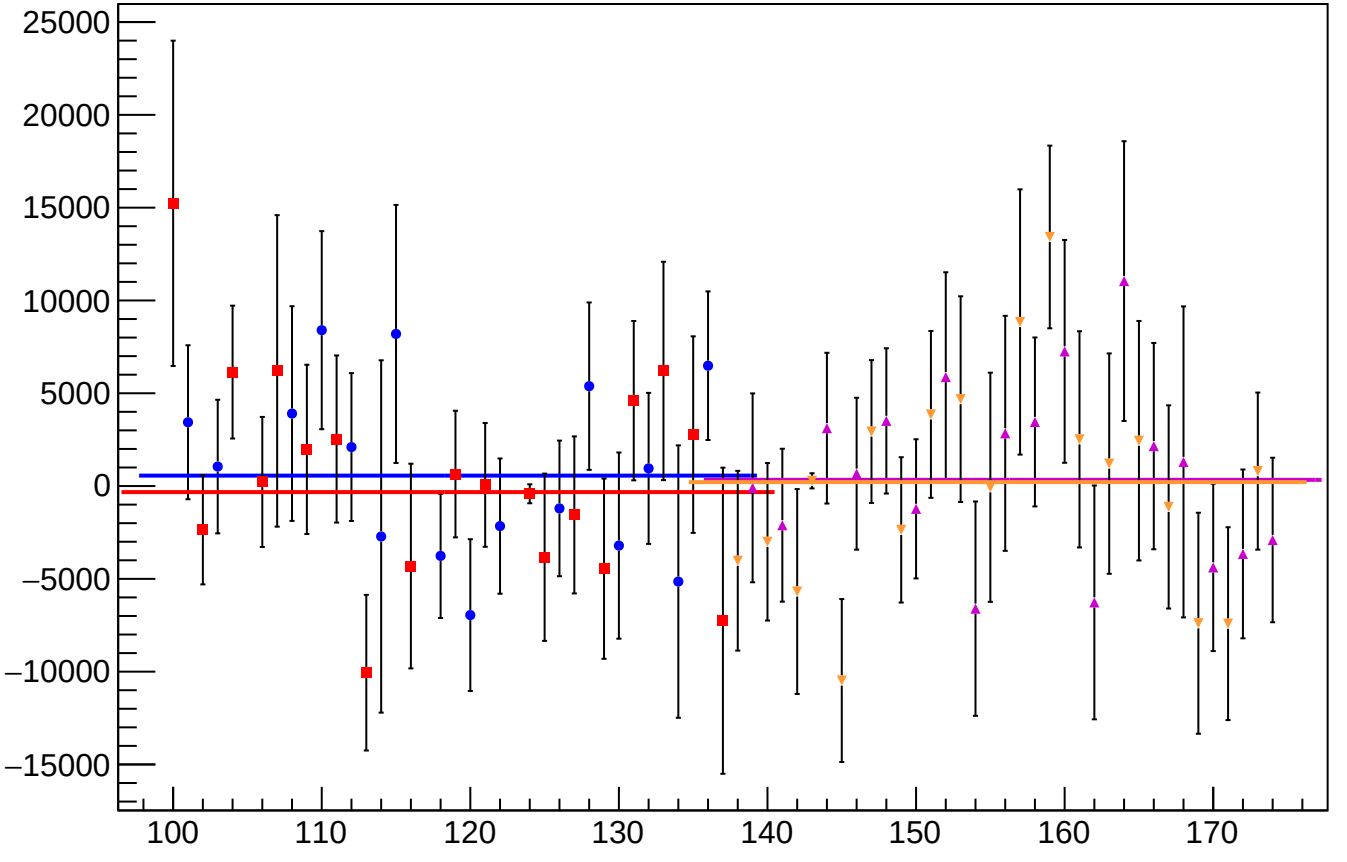
Left In: 1866.916+/-0.342 χ^2/NDF:35322.5/17

+ sign 1843.001+/-0.279 χ^2/NDF: 993490.0/34

All: 1831.874+/-0.196 χ^2/NDF: 1386584.7/71

- 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: 211.482+/-386.438 χ^2/NDF:23.5/18

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

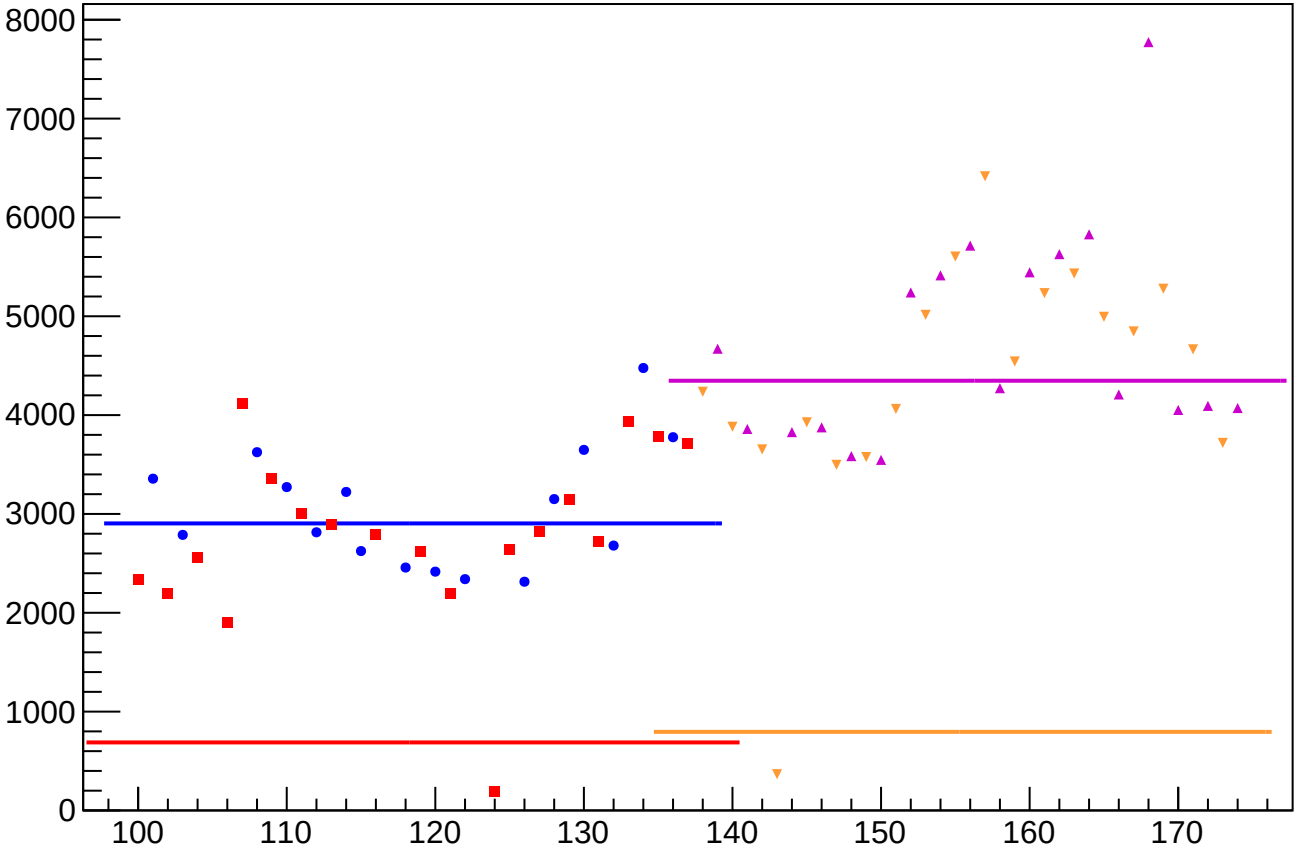
Left In: 334.436+/-1151.189 χ^2/NDF:11.7/17

+ sign 249.954+/-364.636 χ^2/NDF: 38.4/34

All: 44.455+/-276.882 χ^2/NDF: 70.3/71

- 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: 795.236+/-0.273 χ^2/NDF:21161834.8/18

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

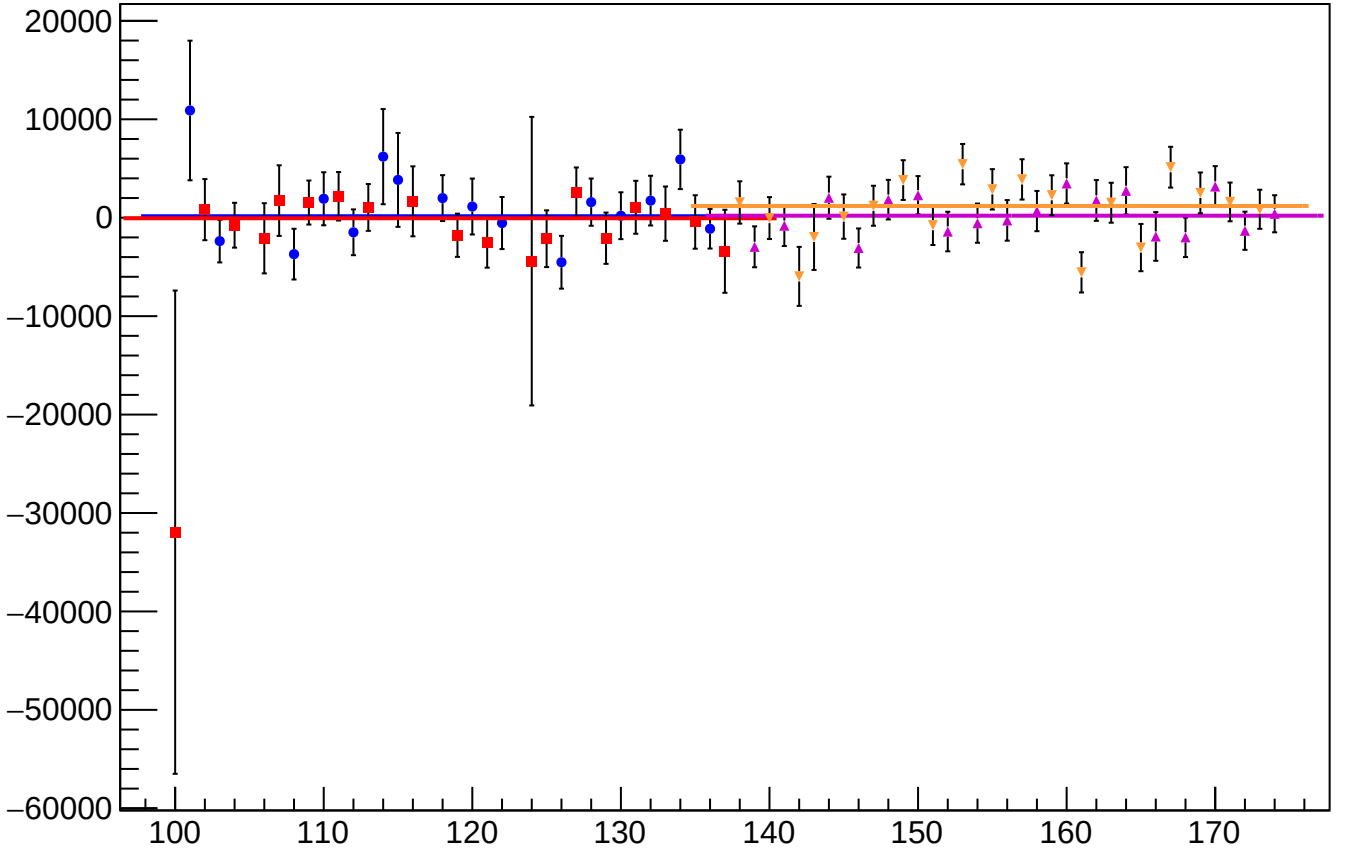
Left In: 4347.720+/-0.814 χ^2/NDF:1059728.0/17

+ sign 1026.473+/-0.258 χ^2/NDF: 28172418.9/34

All: 1094.989+/-0.196 χ^2/NDF: 56996210.3/7

- 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: 1190.206+/-490.472 χ^2/NDF:34.9/18

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

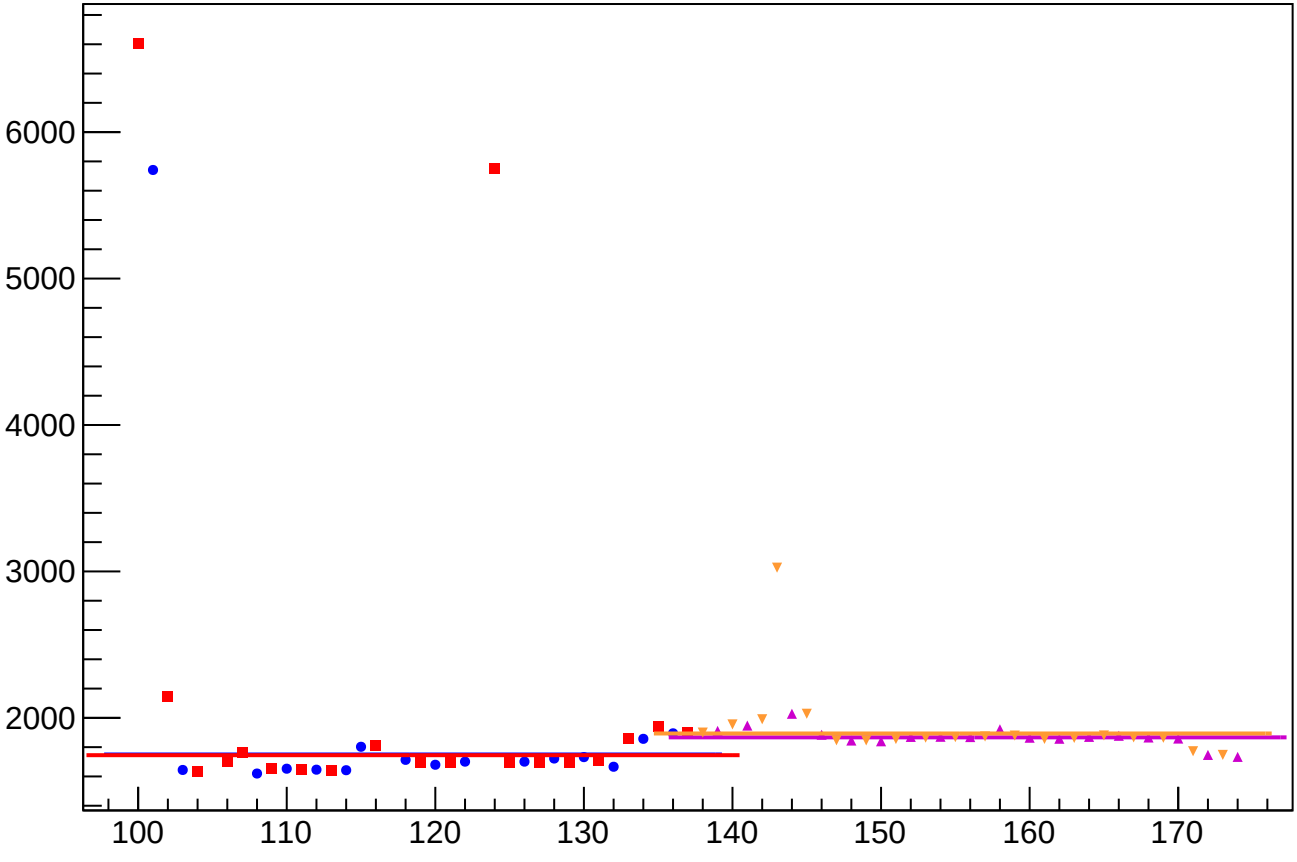
Left In: 206.569+/-484.233 χ^2/NDF:17.6/17

+ sign 825.250+/-395.146 χ^2/NDF: 54.1/34

All: 464.690+/-277.370 χ^2/NDF: 82.4/71

- 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: 1893.358+/-0.347 χ^2/NDF:263839.3/18

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

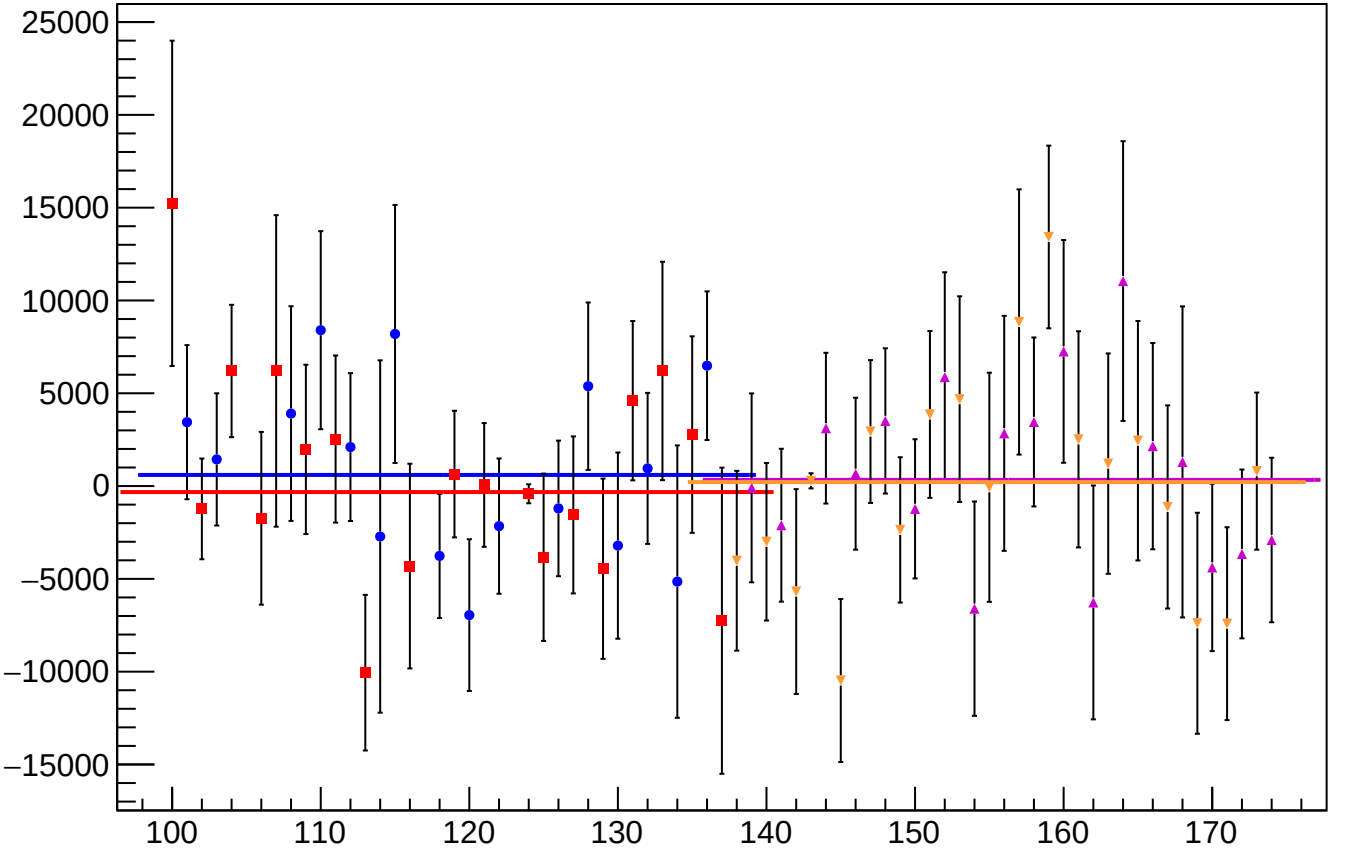
Left In: 1866.916+/-0.342 χ^2/NDF:35322.5/17

+ sign 1843.001+/-0.279 χ^2/NDF: 993490.5/34

All: 1833.203+/-0.196 χ^2/NDF: 1374070.2/71

- 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: 212.405+/-386.469 χ^2/NDF:23.5/18

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

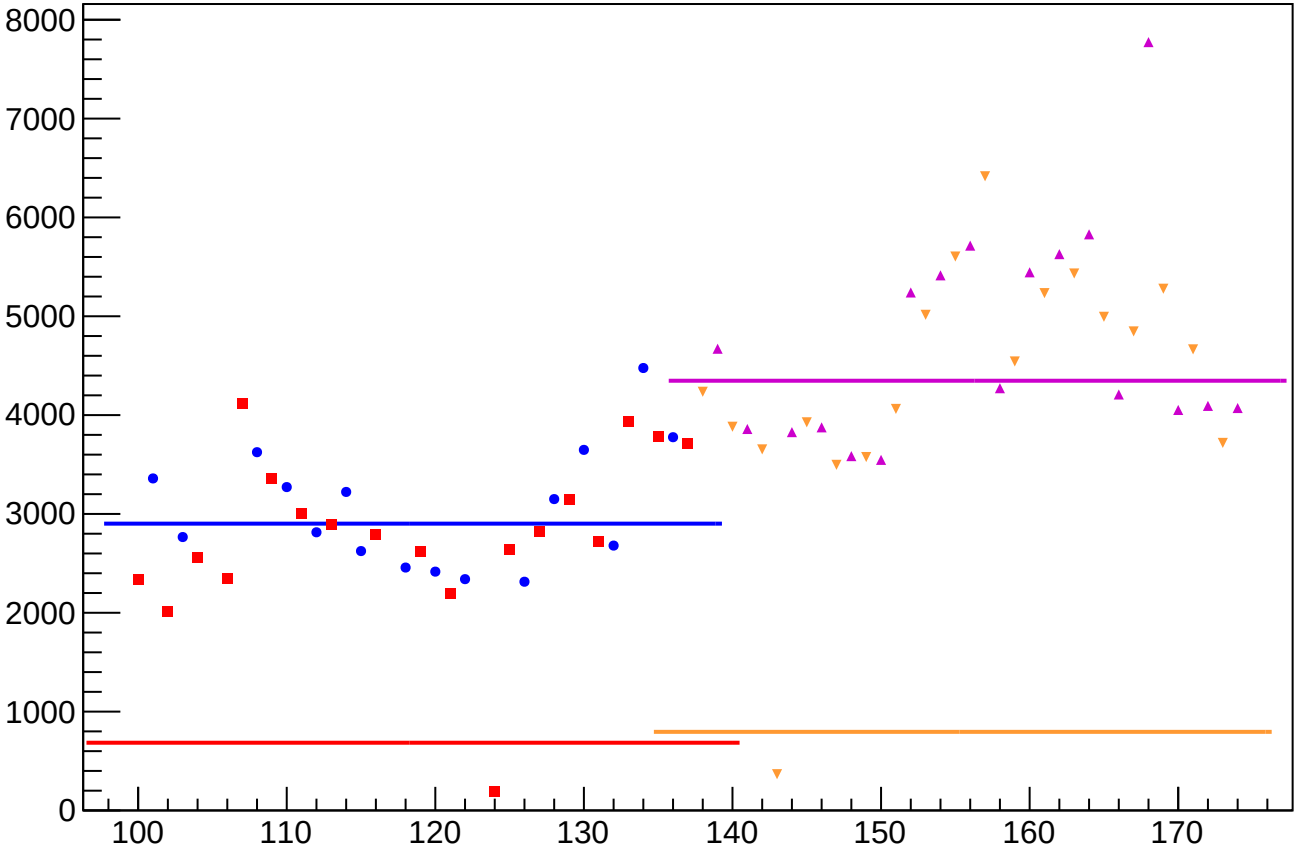
Left In: 334.470+/-1151.187 χ^2/NDF:11.7/17

+ sign 255.005+/-364.624 χ^2/NDF: 38.5/34

All: 48.797+/-277.078 χ^2/NDF: 70.2/71

- 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: 795.341+/-0.273 χ^2/NDF:21161028.6/18

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

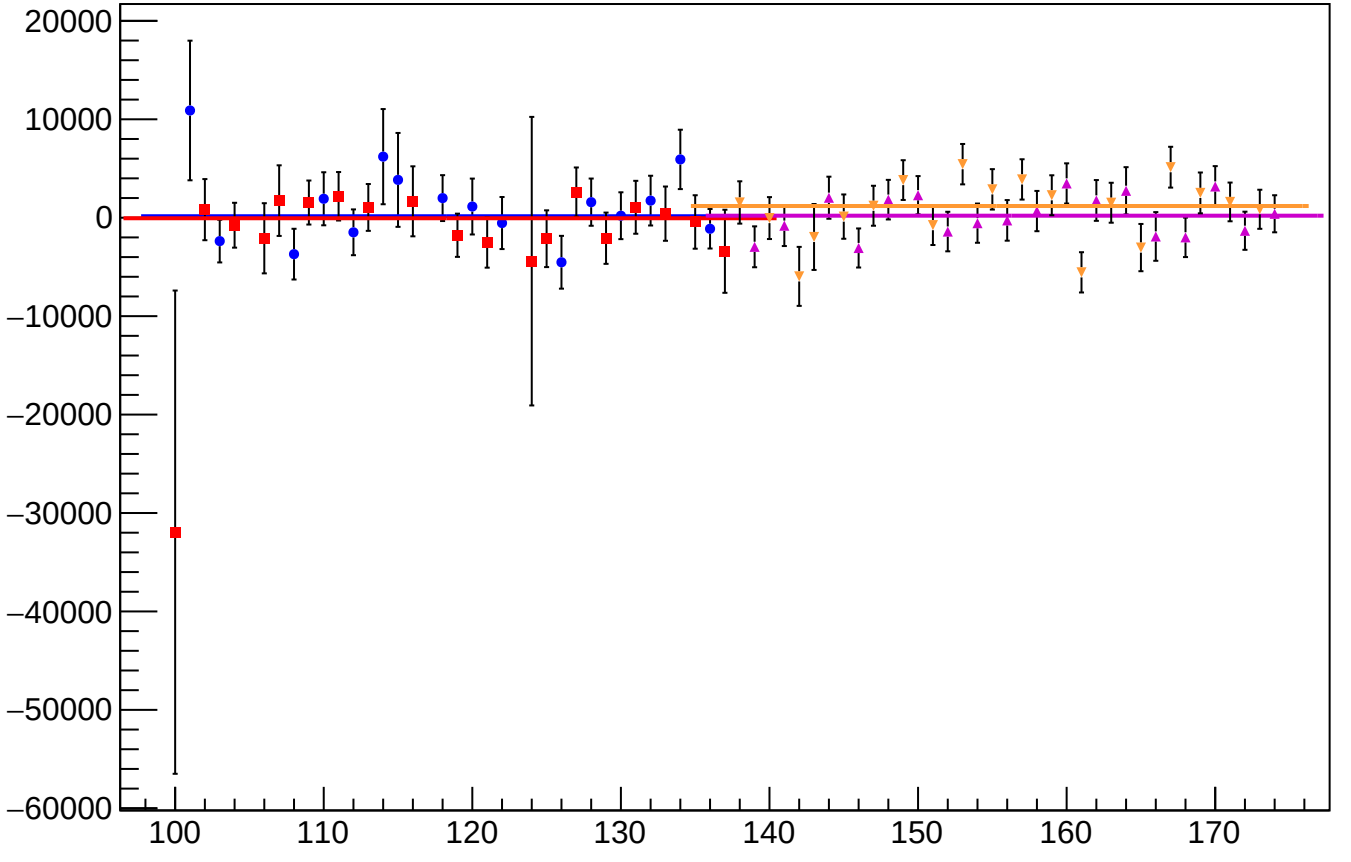
Left In: 4347.711+/-0.814 χ^2/NDF:1059744.6/17

+ sign 1026.746+/-0.258 χ^2/NDF: 28169350.1/34

All: 1094.620+/-0.196 χ^2/NDF: 56966918.4/7

- 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: 1190.206+/-490.472 χ^2/NDF:34.9/18

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

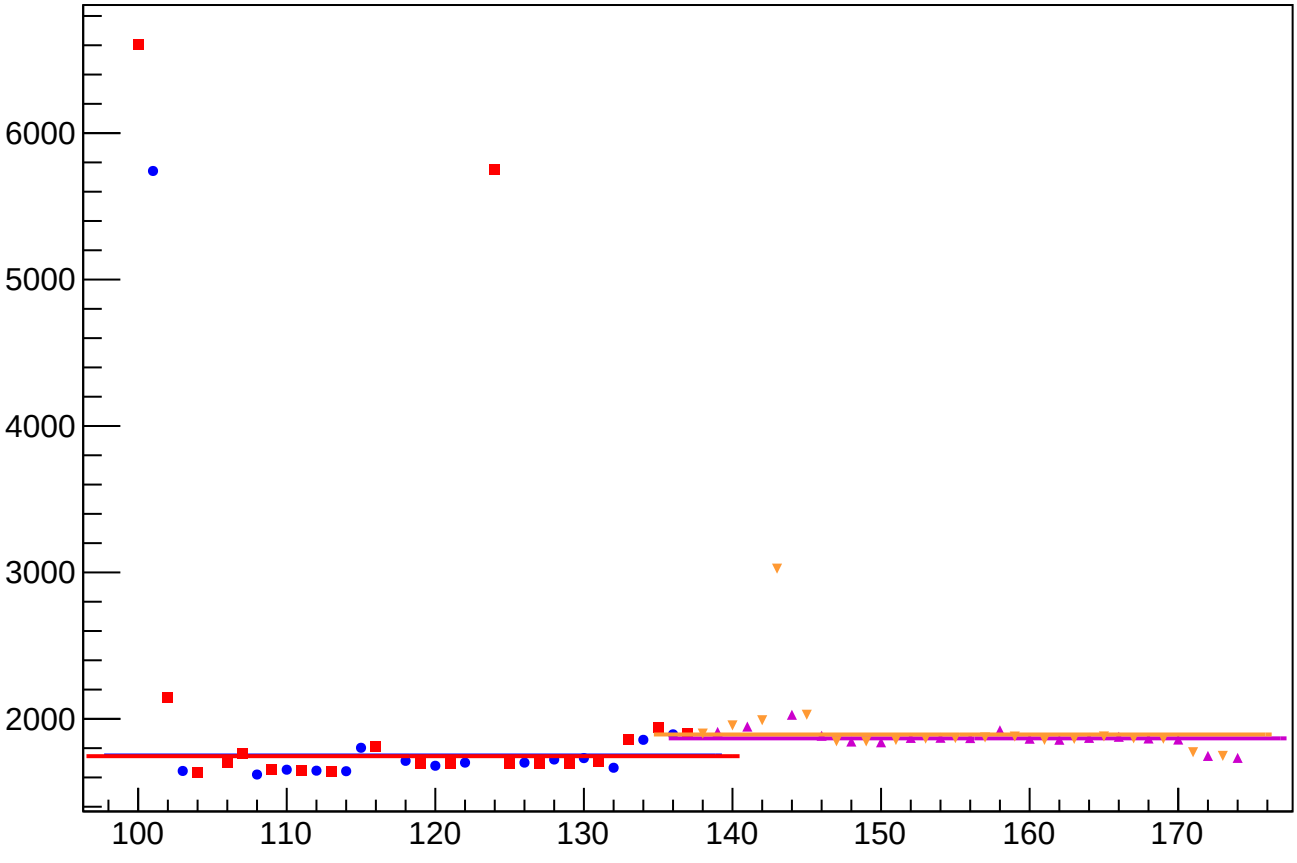
Left In: 206.569+/-484.233 χ^2/NDF:17.6/17

+ sign 825.250+/-395.146 χ^2/NDF: 54.1/34

All: 464.690+/-277.370 χ^2/NDF: 82.4/71

- 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: 1893.358+/-0.347 χ^2/NDF:263839.3/18

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

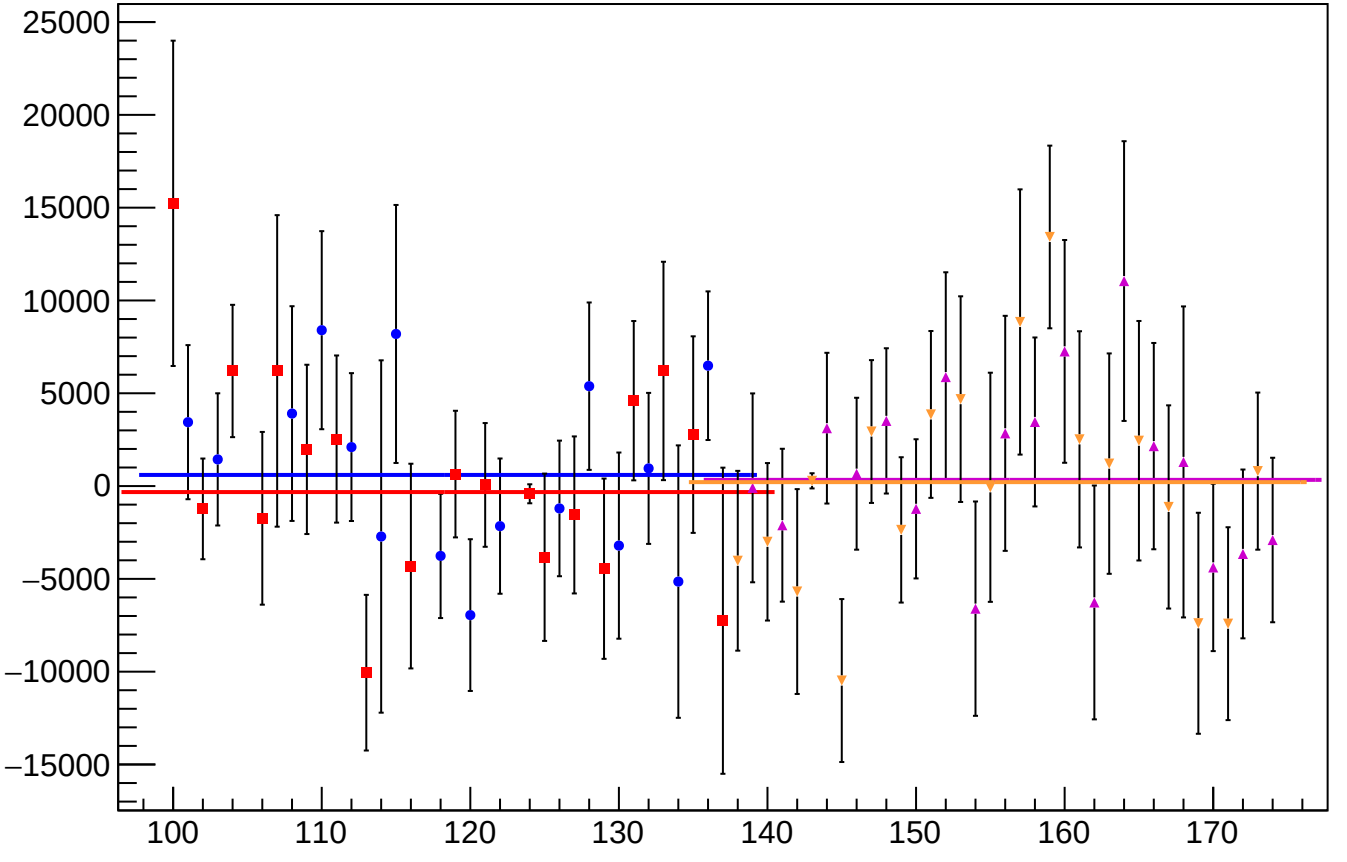
Left In: 1866.916+/-0.342 χ^2/NDF:35322.5/17

+ sign 1843.001+/-0.279 χ^2/NDF: 993490.5/34

All: 1833.203+/-0.196 χ^2/NDF: 1374070.2/71

- 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: 212.405+/-386.469 χ^2/NDF:23.5/18

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

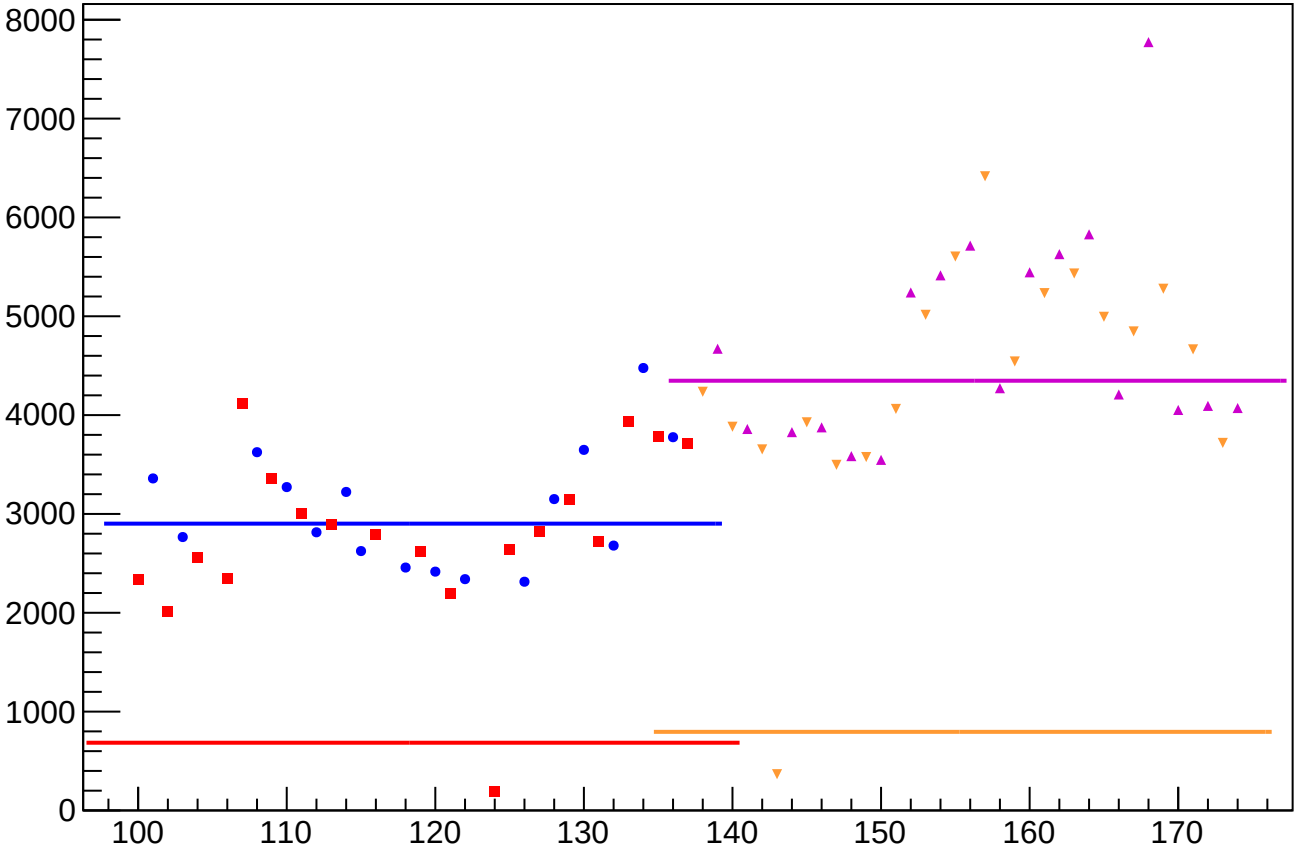
Left In: 334.470+/-1151.187 χ^2/NDF:11.7/17

+ sign 255.005+/-364.624 χ^2/NDF: 38.5/34

All: 48.797+/-277.078 χ^2/NDF: 70.2/71

- 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: 795.341+/-0.273 χ^2/NDF:21161028.6/18

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

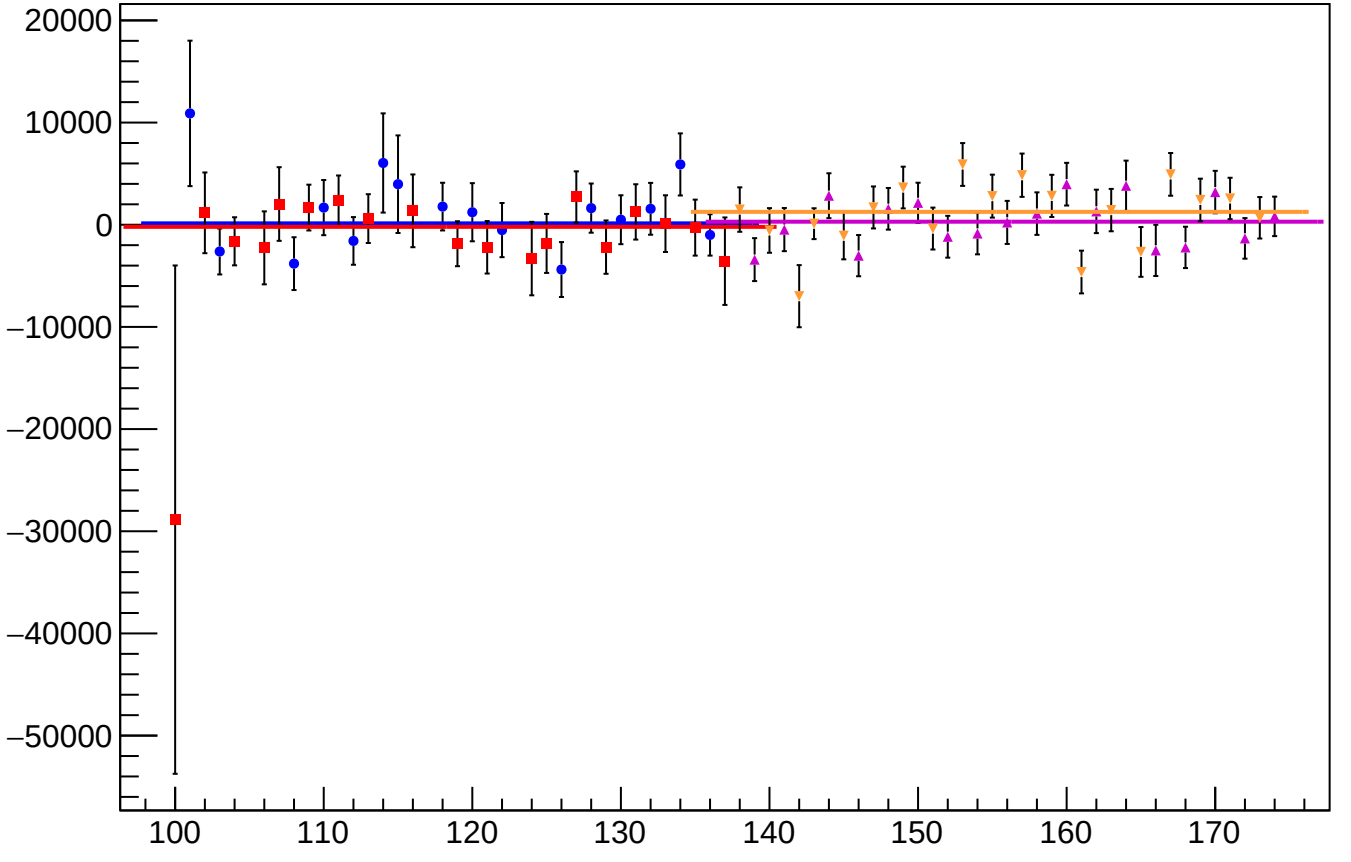
Left In: 4347.711+/-0.814 χ^2/NDF:1059744.6/17

+ sign 1026.746+/-0.258 χ^2/NDF: 28169350.1/34

All: 1094.620+/-0.196 χ^2/NDF: 56966918.4/7

- 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: 1261.827+/-479.090 χ^2/NDF:35.0/18

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

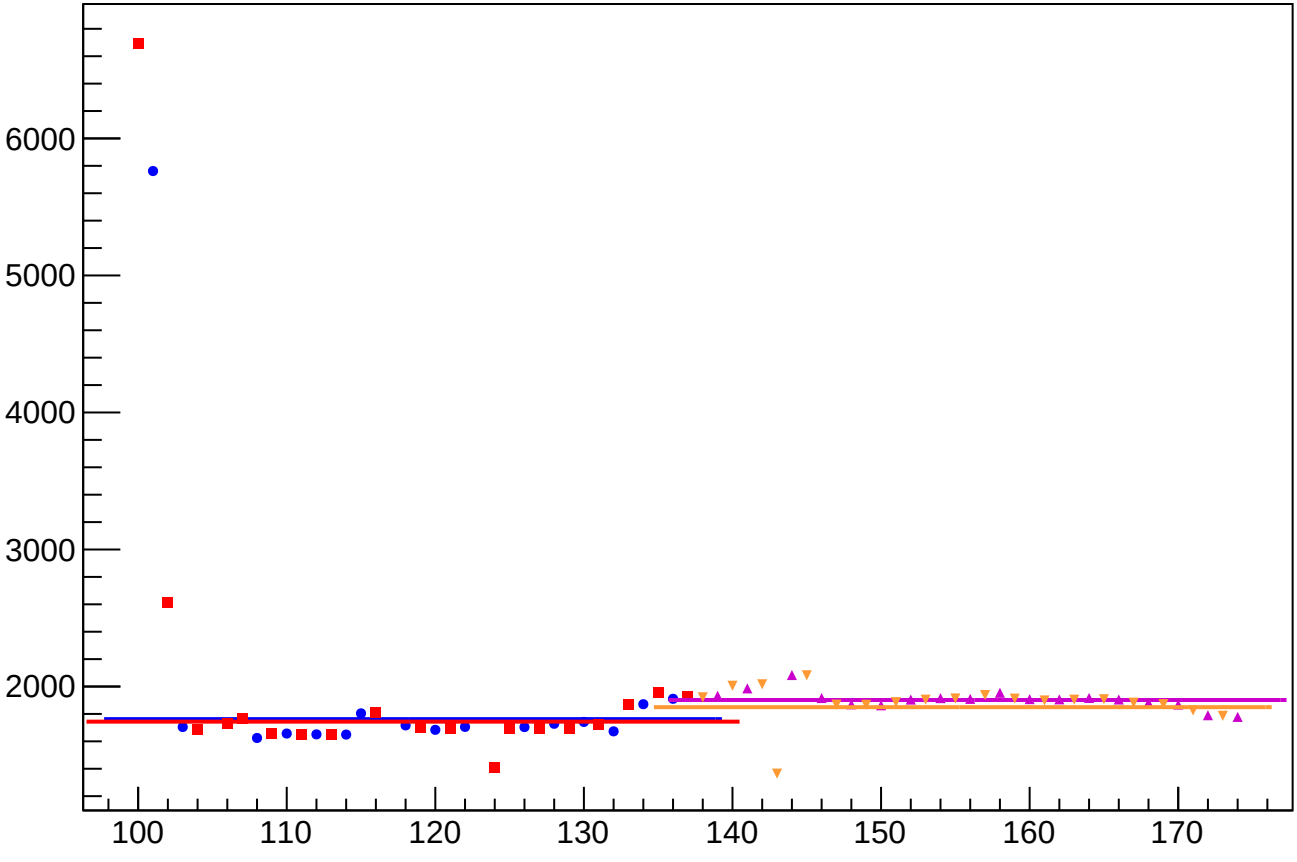
Left In: 298.014+/-493.282 χ^2/NDF:20.4/17

+ sign 881.422+/-390.027 χ^2/NDF: 54.2/34

All: 502.321+/-277.156 χ^2/NDF: 86.6/71

- 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: 1849.399+/-0.339 χ^2/NDF:261136.8/18

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

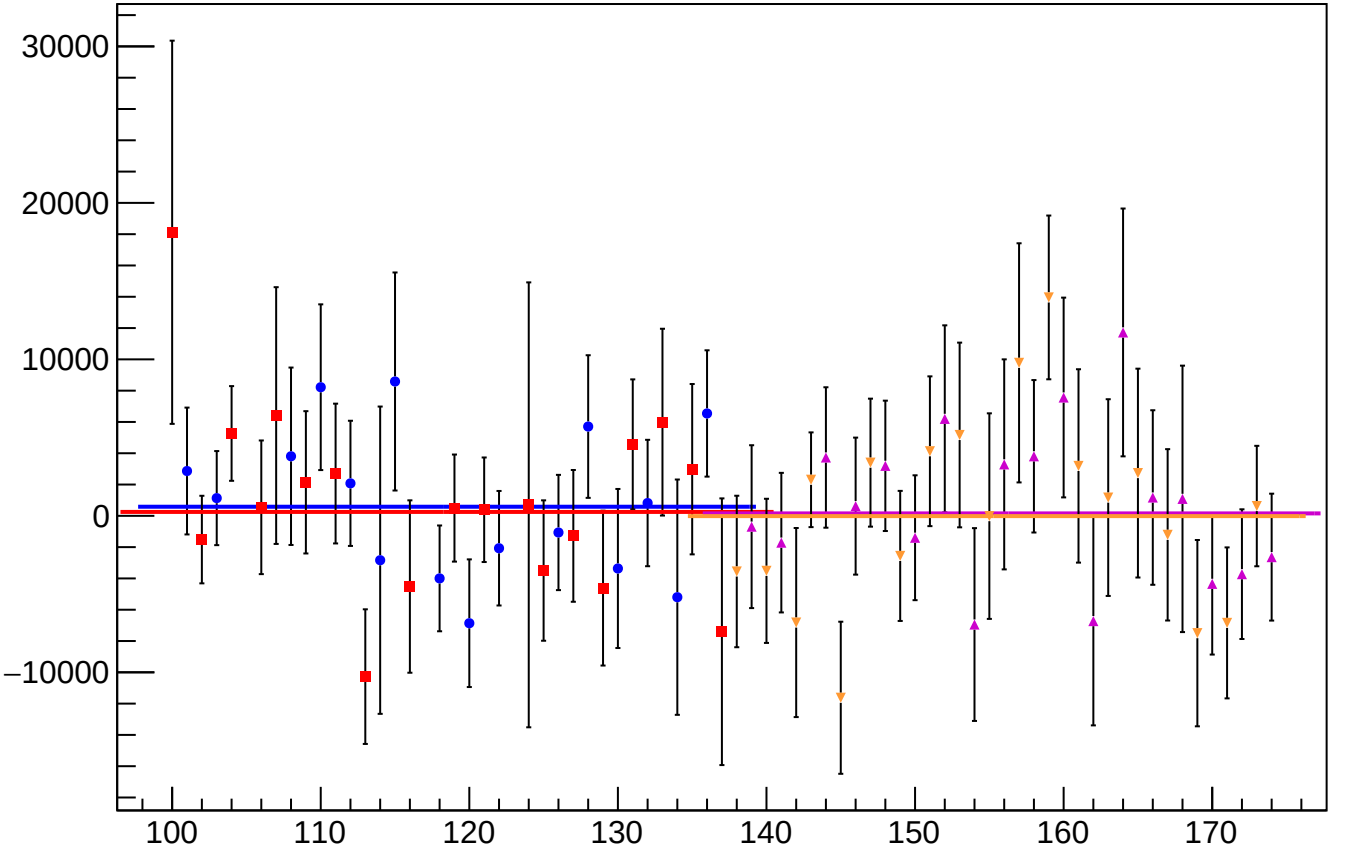
Left In: 1901.729+/-0.349 χ^2/NDF:35410.3/17

+ sign 1819.942+/-0.276 χ^2/NDF: 951253.2/34

All: 1832.000+/-0.196 χ^2/NDF: 1292901.4/71

- 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: -17.632+/-1131.149 χ^2/NDF:24.2/18

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

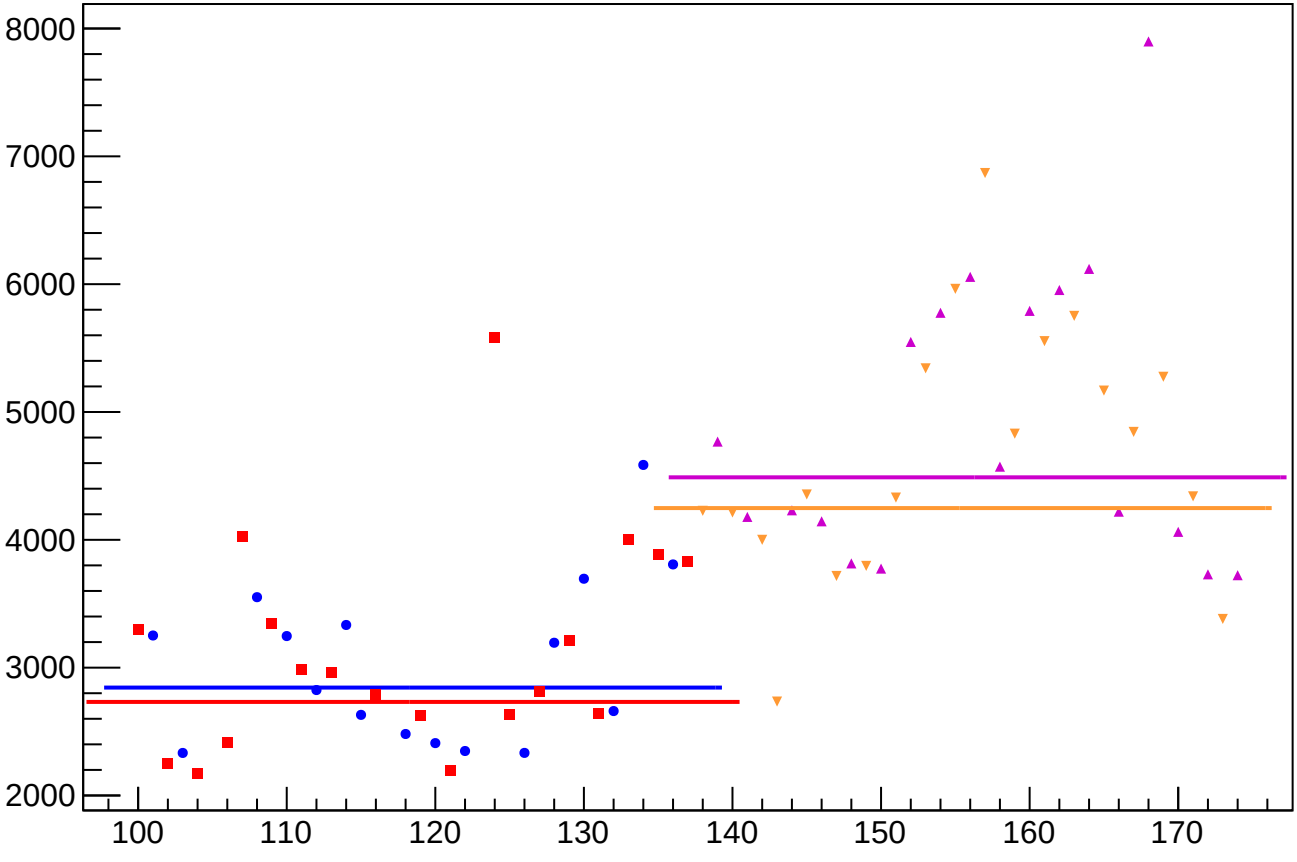
Left In: 155.442+/-1190.904 χ^2/NDF:11.6/17

+ sign 295.754+/-781.692 χ^2/NDF: 39.2/34

All: 252.551+/-550.406 χ^2/NDF: 68.7/71

- 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: 4248.351+/-0.800 χ^2/NDF:1454948.7/18

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

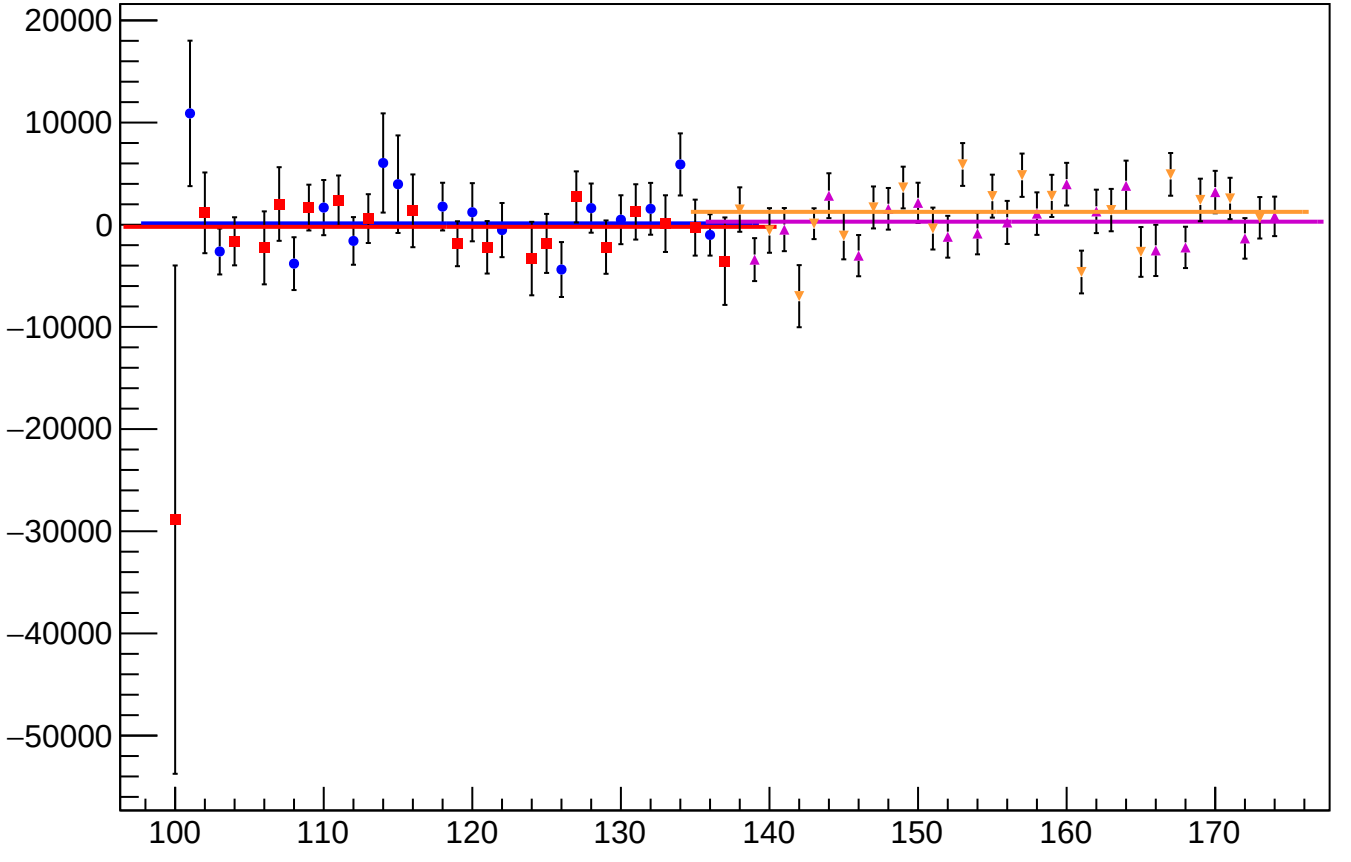
Left In: 4488.918+/-0.842 χ^2/NDF:1156925.9/17

+ sign 3514.747+/-0.553 χ^2/NDF: 3607184.2/34

All: 3495.358+/-0.389 χ^2/NDF: 7886718.0/71

- 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: 1261.827+/-479.090 χ^2/NDF:35.0/18

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

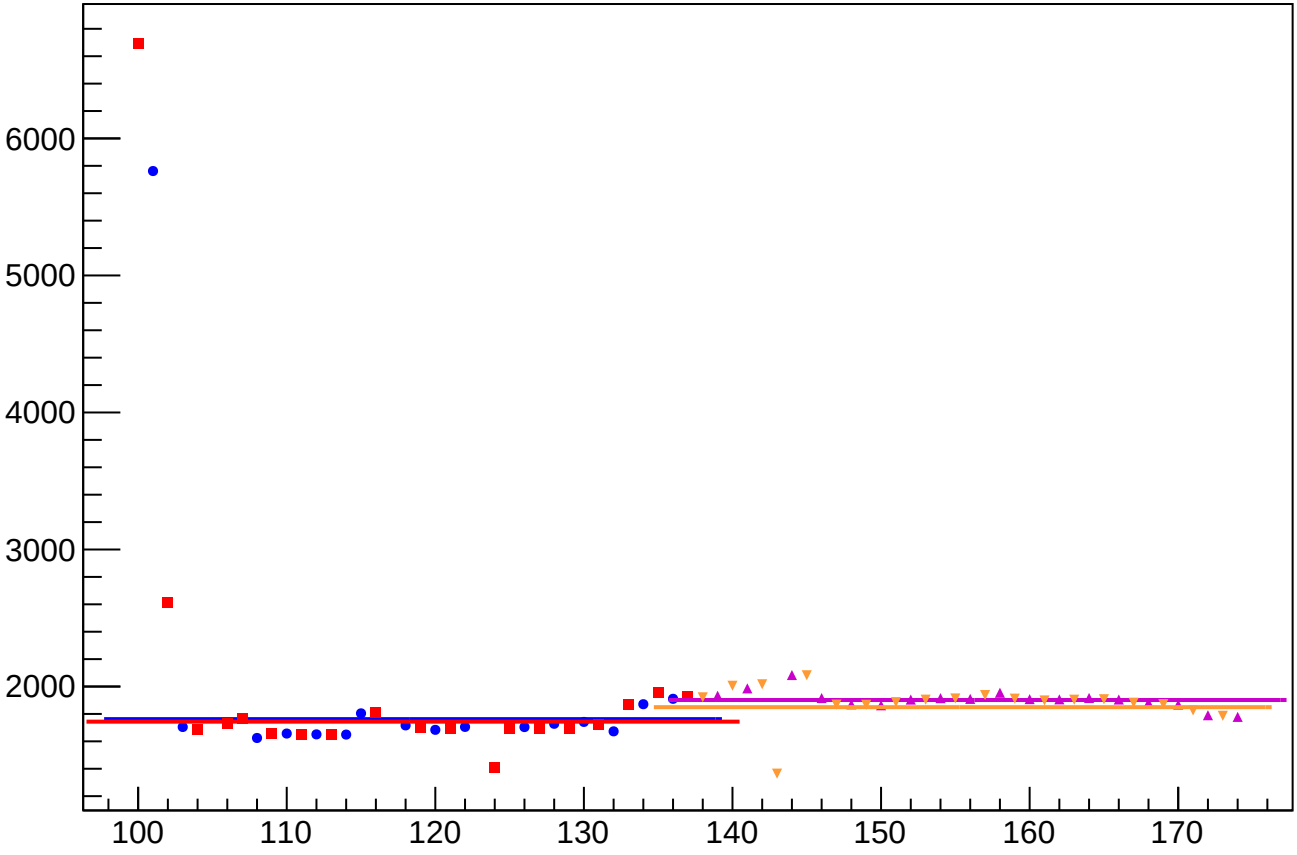
Left In: 298.015+/-493.282 χ^2/NDF:20.4/17

+ sign 881.422+/-390.027 χ^2/NDF: 54.2/34

All: 502.322+/-277.156 χ^2/NDF: 86.6/71

- 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: 1849.399+/-0.339 χ^2/NDF:261138.4/18

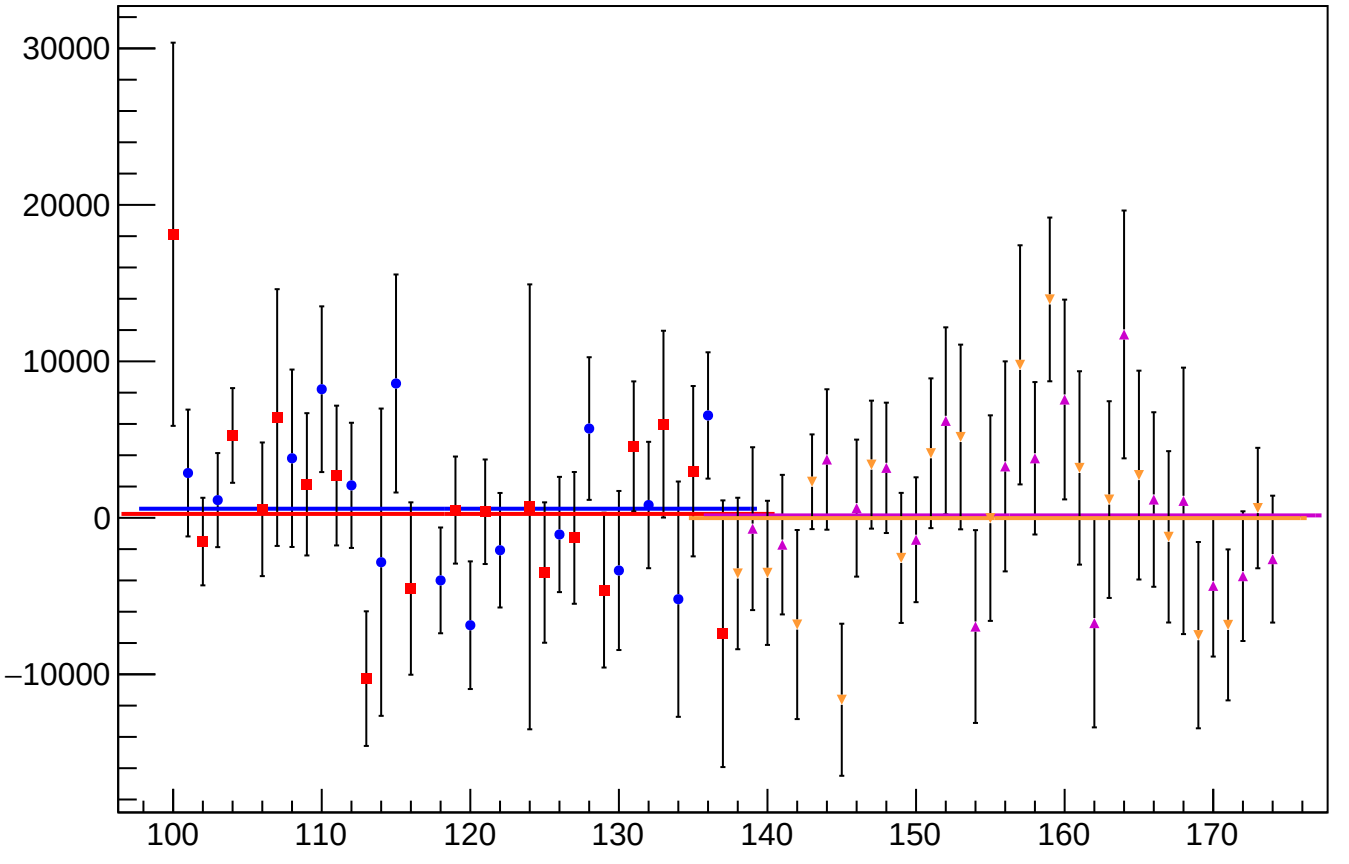
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1901.730+/-0.349 χ^2/NDF:35411.4/17

+ sign 1819.942+/-0.276 χ^2/NDF: 951255.0/34

All: 1832.000+/-0.196 χ^2/NDF: 1292904.8/71

- sign 1844.274+/-0.278 χ^2/NDF: 337792.5/36



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -17.629+/-1131.150 χ^2/NDF:24.2/18

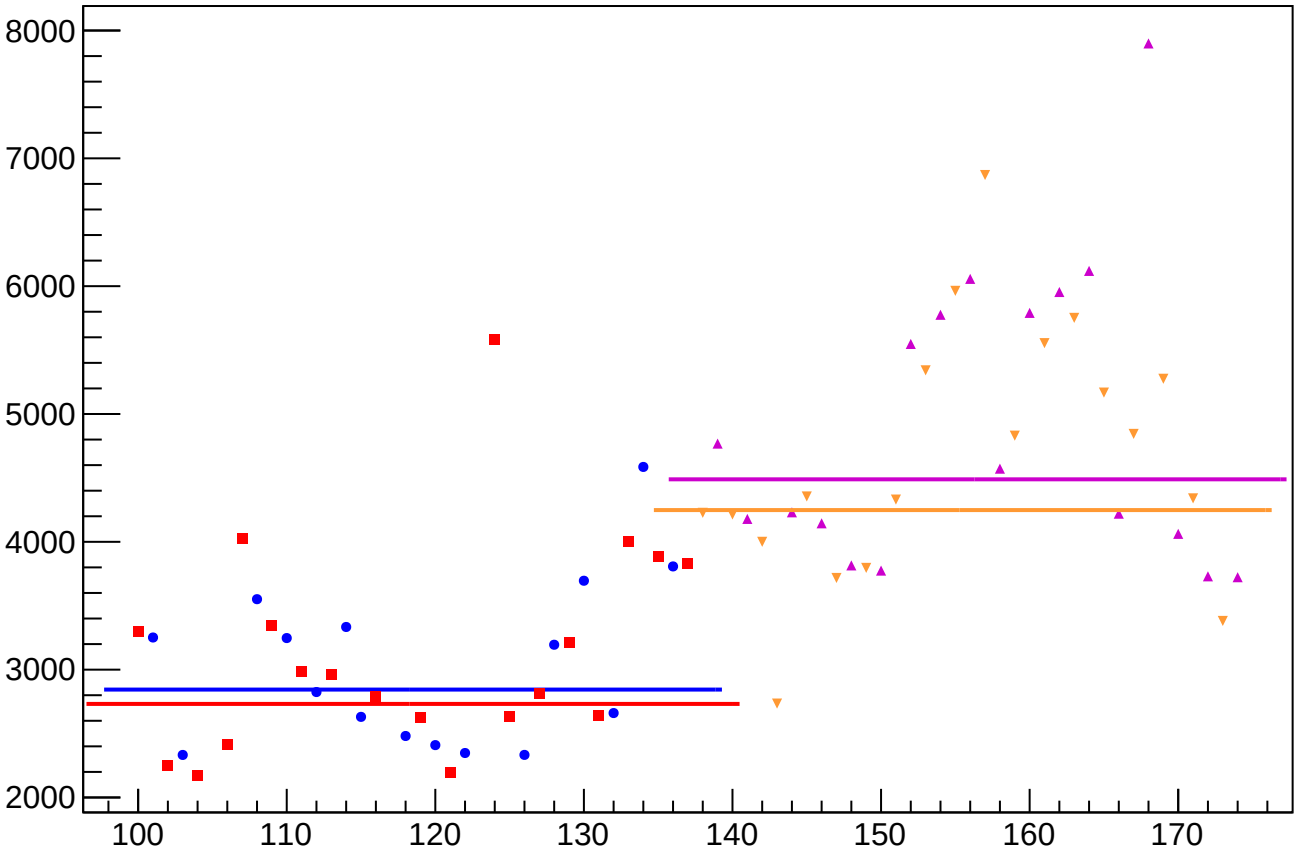
Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: 155.442+/-1190.906 χ^2/NDF:11.6/17

+ sign 295.754+/-781.691 χ^2/NDF: 39.2/34

All: 252.552+/-550.406 χ^2/NDF: 68.7/71

- sign 210.071+/-775.134 χ^2/NDF: 29.5/36



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4248.357+/-0.800 χ^2/NDF:1454951.9/18

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

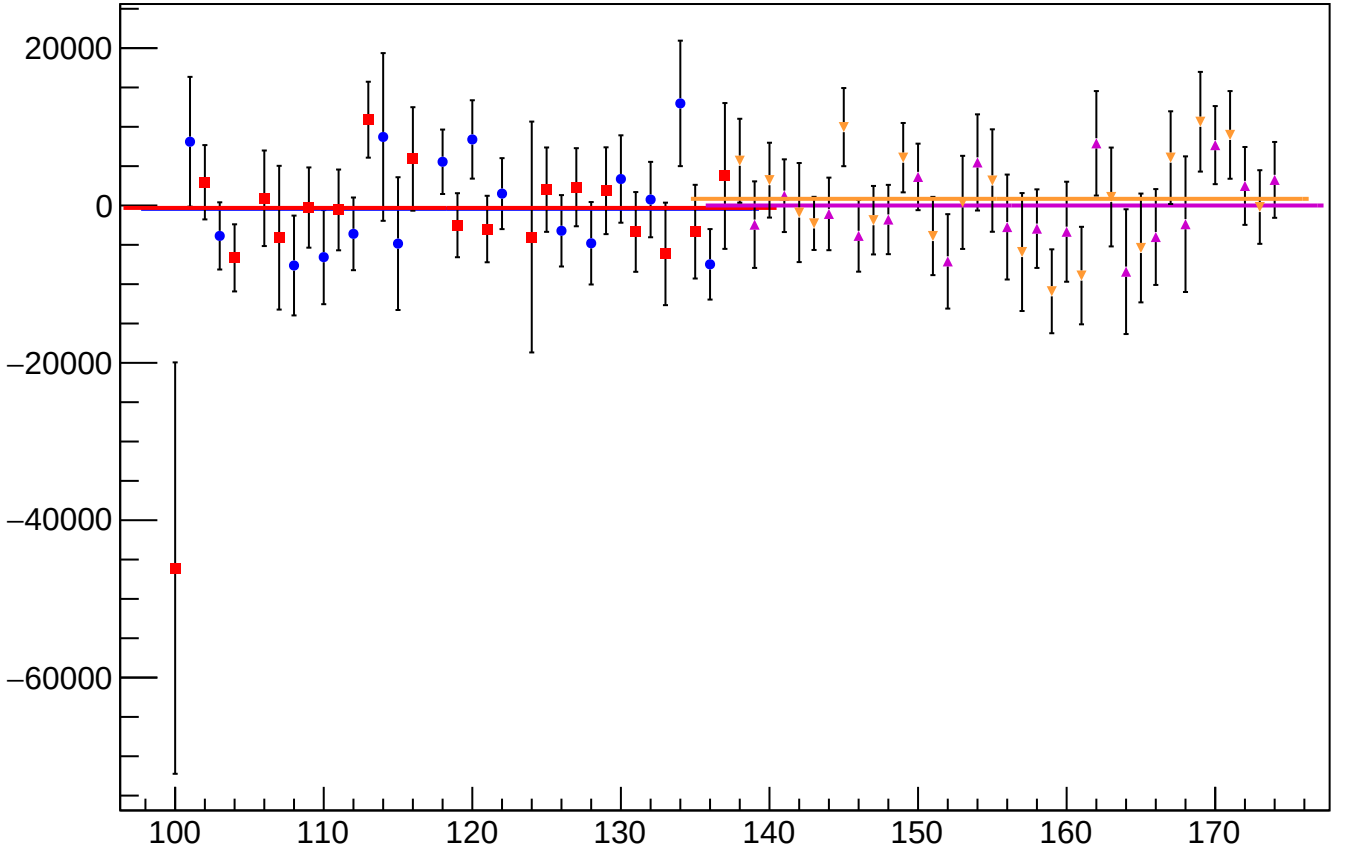
Left In: 4488.925+/-0.842 χ^2/NDF:1156925.3/17

+ sign 3514.743+/-0.553 χ^2/NDF: 3607224.8/34

All: 3495.355+/-0.389 χ^2/NDF: 7886793.0/71

- 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: 846.491+/-1206.831 χ^2/NDF:22.5/18

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

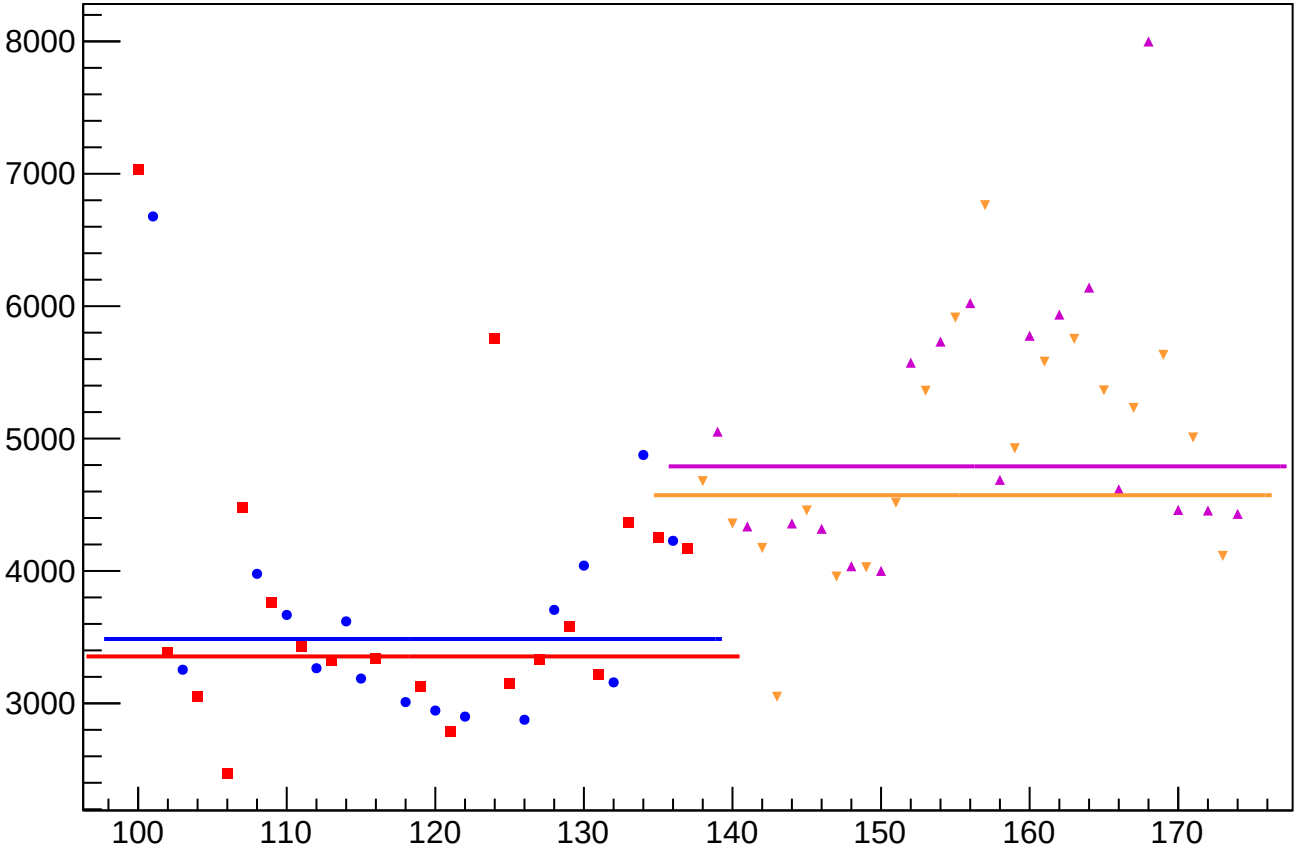
Left In: -1.704+/-1261.887 χ^2/NDF:11.1/17

+ sign 271.880+/-892.905 χ^2/NDF: 40.9/34

All: 60.397+/-632.871 χ^2/NDF: 67.4/71

- 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: 4572.238+/-0.853 χ^2/NDF:1053719.8/18

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

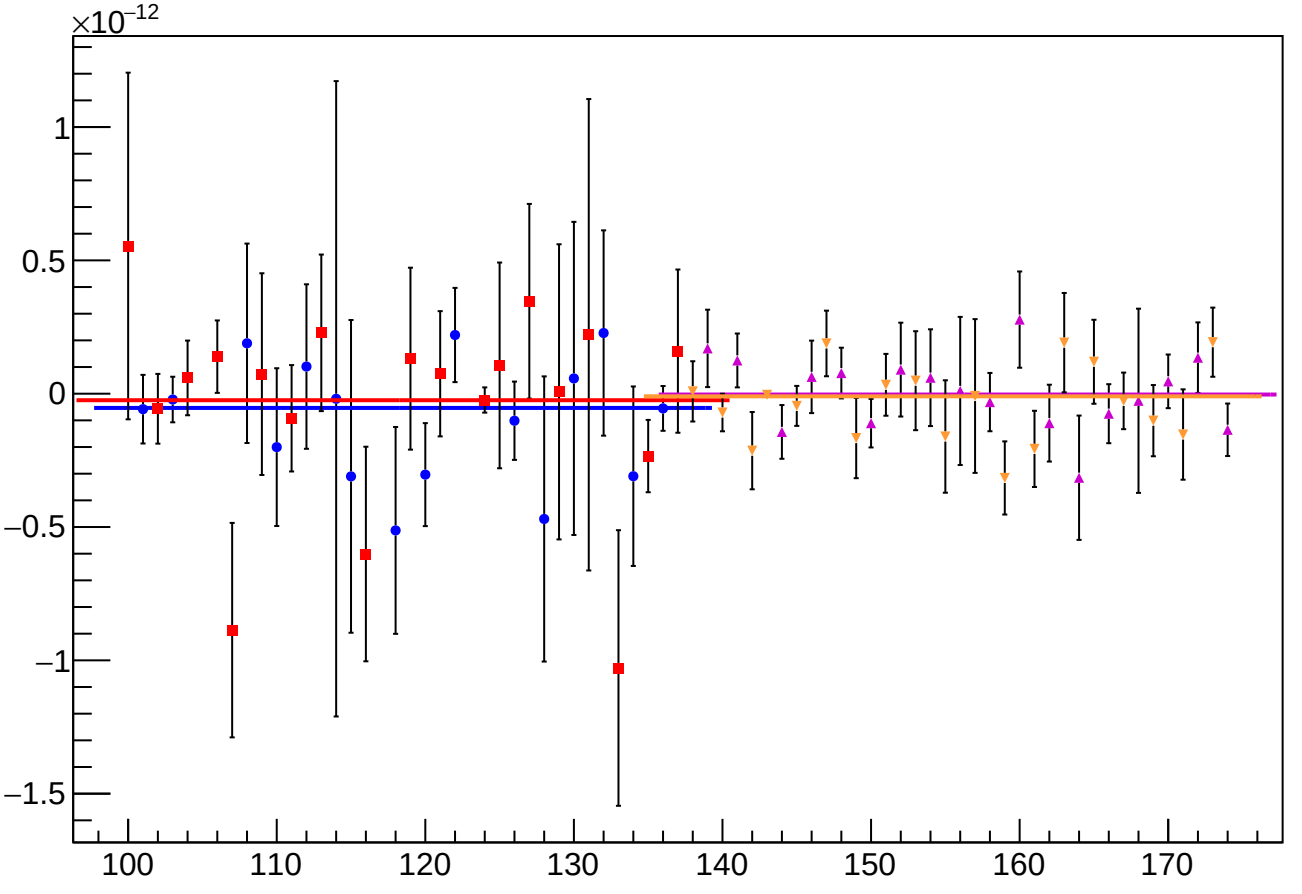
Left In: 4790.041+/-0.892 χ^2/NDF:815674.6/17

+ sign 4080.698+/-0.631 χ^2/NDF: 2382595.3/34

All: 4075.328+/-0.446 χ^2/NDF: 4873200.8/71

- sign 4069.981+/-0.630 χ^2/NDF: 2490461.1/36

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

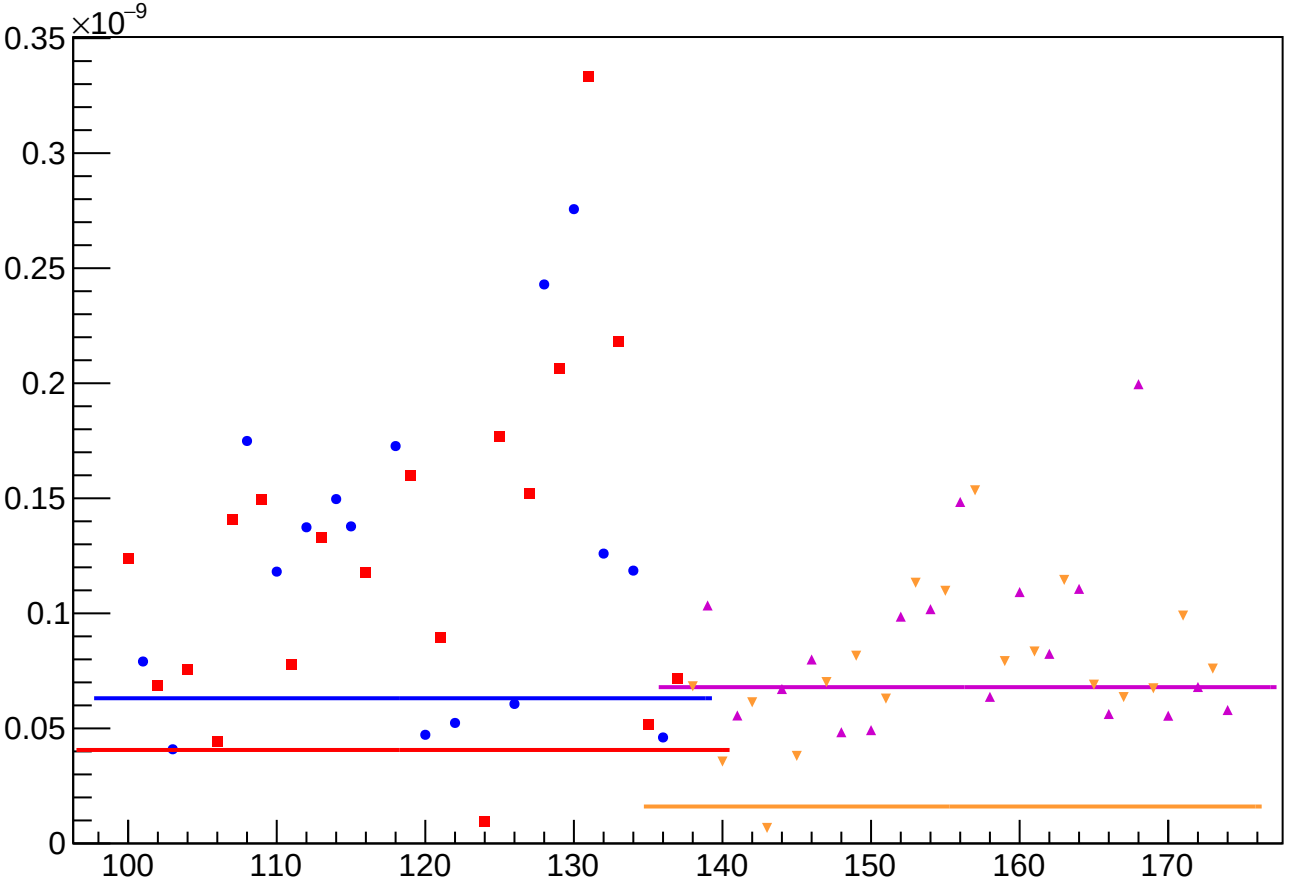
Left In: -0.000+/-0.000 χ^2/NDF:16.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 29.5/34

All: -0.000+/-0.000 χ^2/NDF: 64.2/71

- 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:7739404.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

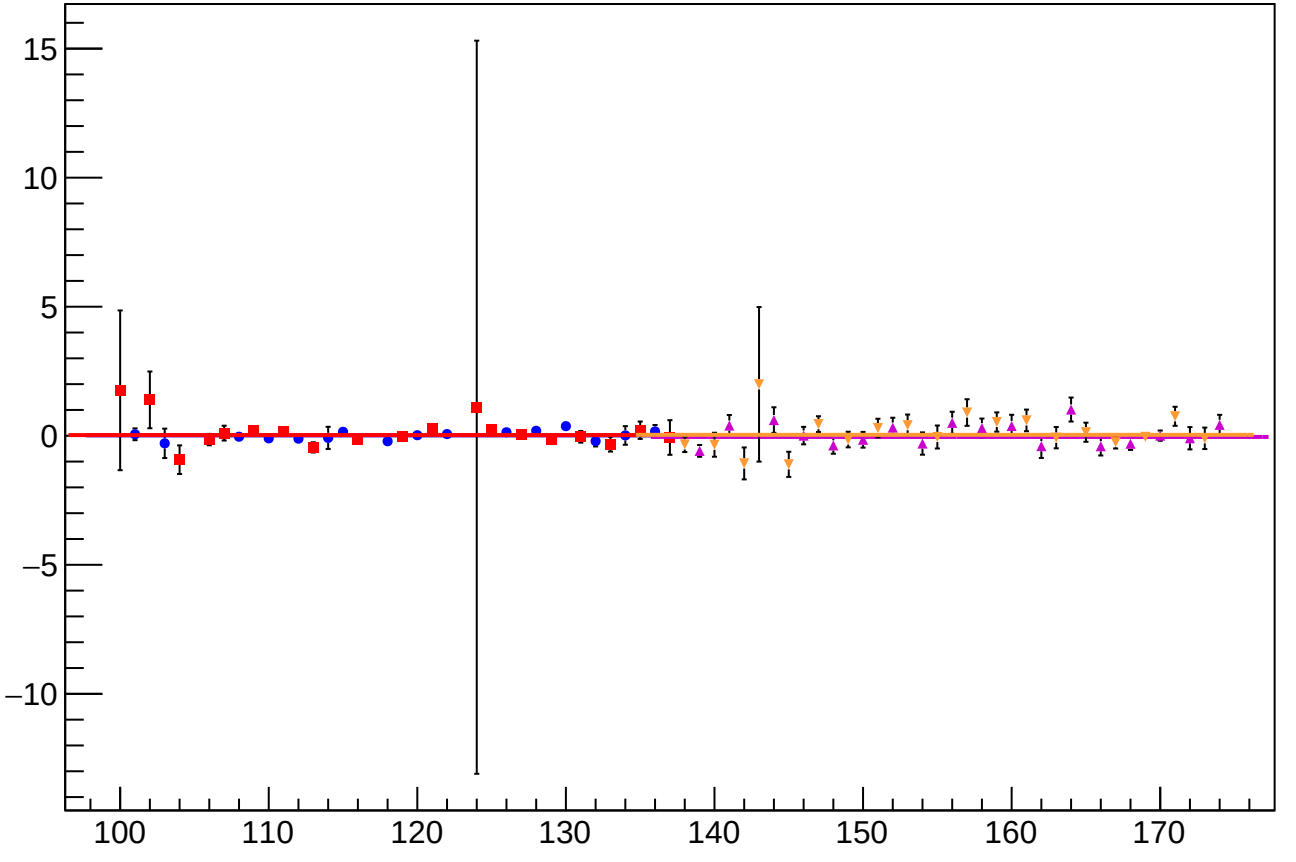
Left In: 0.000+/-0.000 χ^2/NDF:1191350.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 11263262.0/34

All: 0.000+/-0.000 χ^2/NDF: 20662553.2/71

- 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+/-0.080 χ^2/NDF:26.9/18

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

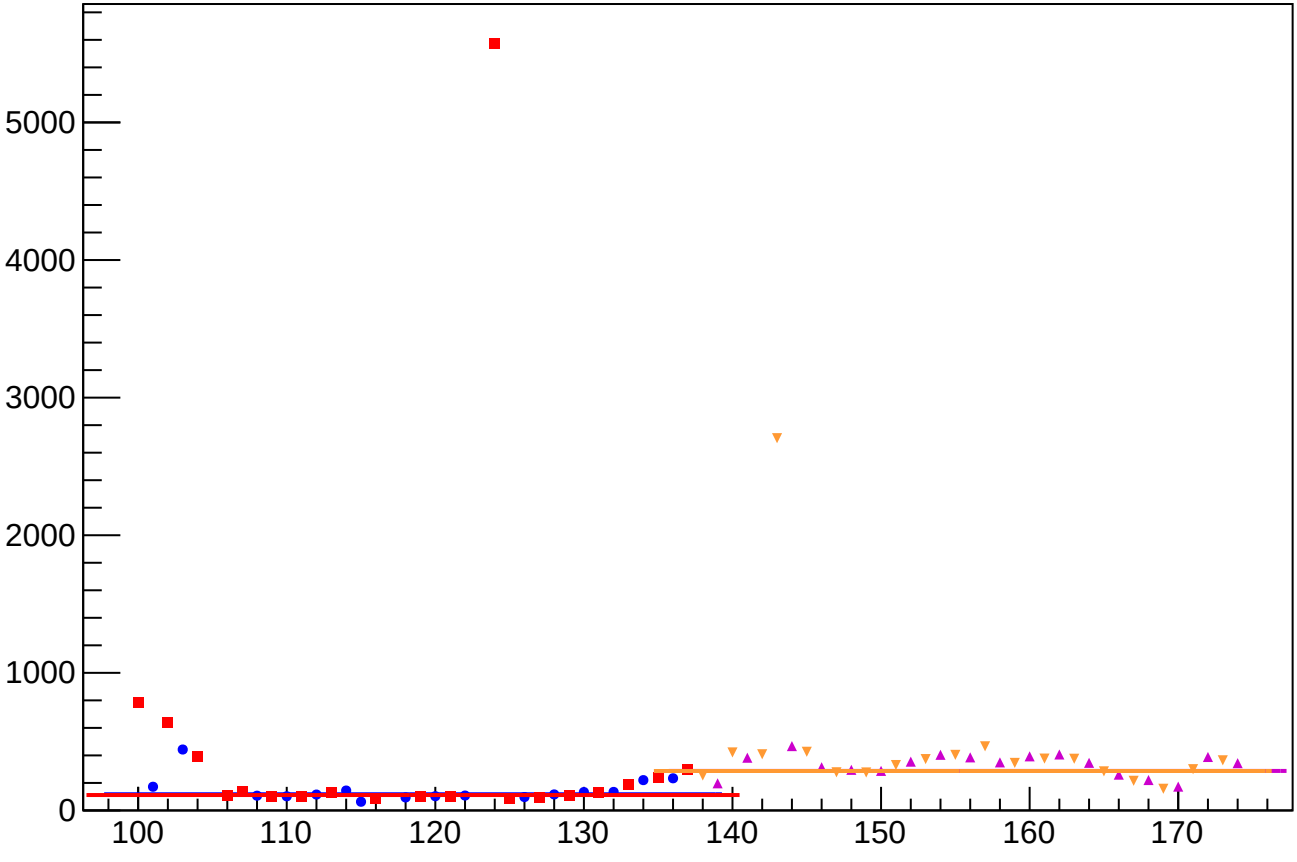
Left In: -0.046+/-0.079 χ^2/NDF:23.9/17

+ sign 0.021+/-0.041 χ^2/NDF: 38.8/34

All: 0.014+/-0.029 χ^2/NDF: 85.4/71

- sign 0.007+/-0.040 χ^2/NDF: 46.6/36

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 286.752+/-0.057 χ^2/NDF:3777691.4/18

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

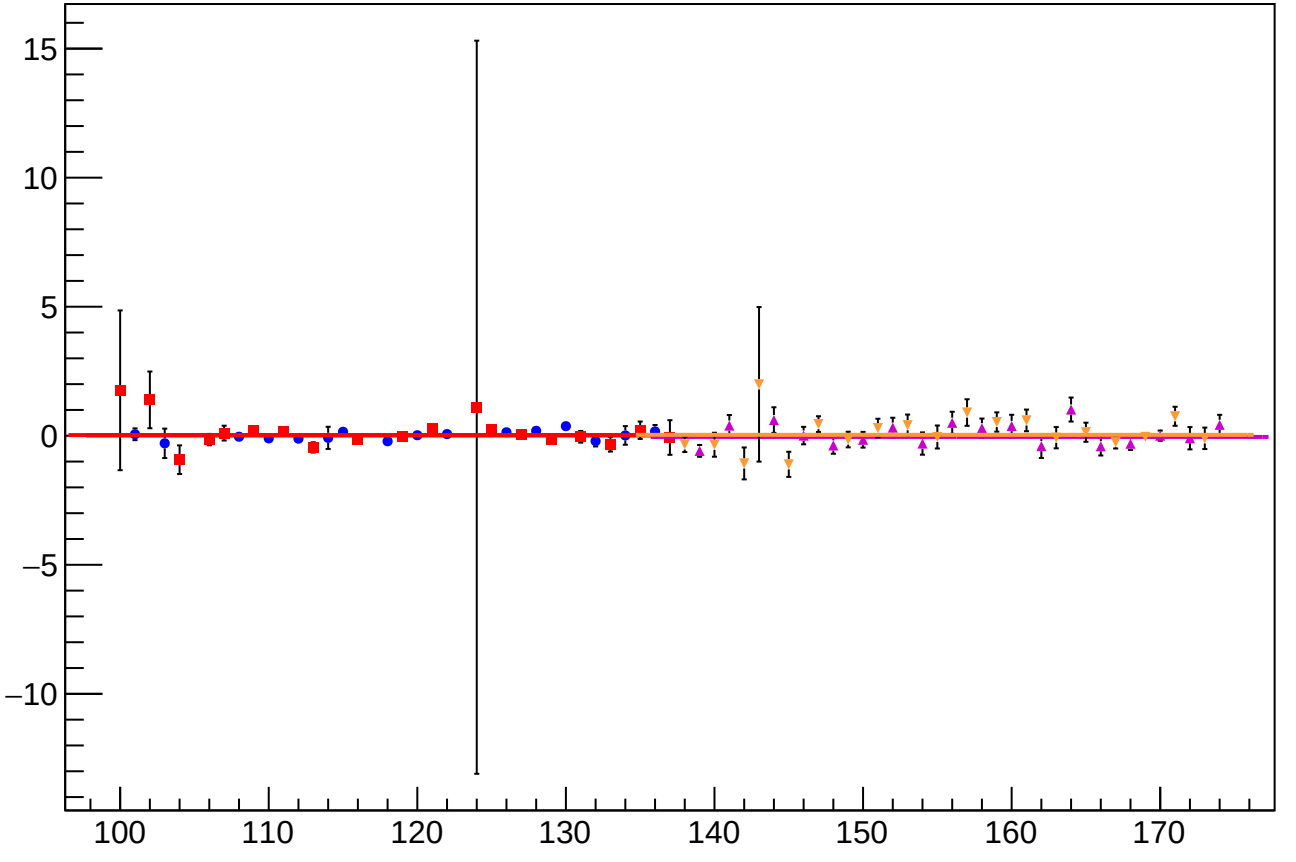
Left In: 287.230+/-0.056 χ^2/NDF:2348177.4/17

+ sign 161.937+/-0.029 χ^2/NDF: 12030110.0/34

All: 159.819+/-0.020 χ^2/NDF: 23863533.4/71

- 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+/-0.080 χ^2/NDF:26.9/18

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

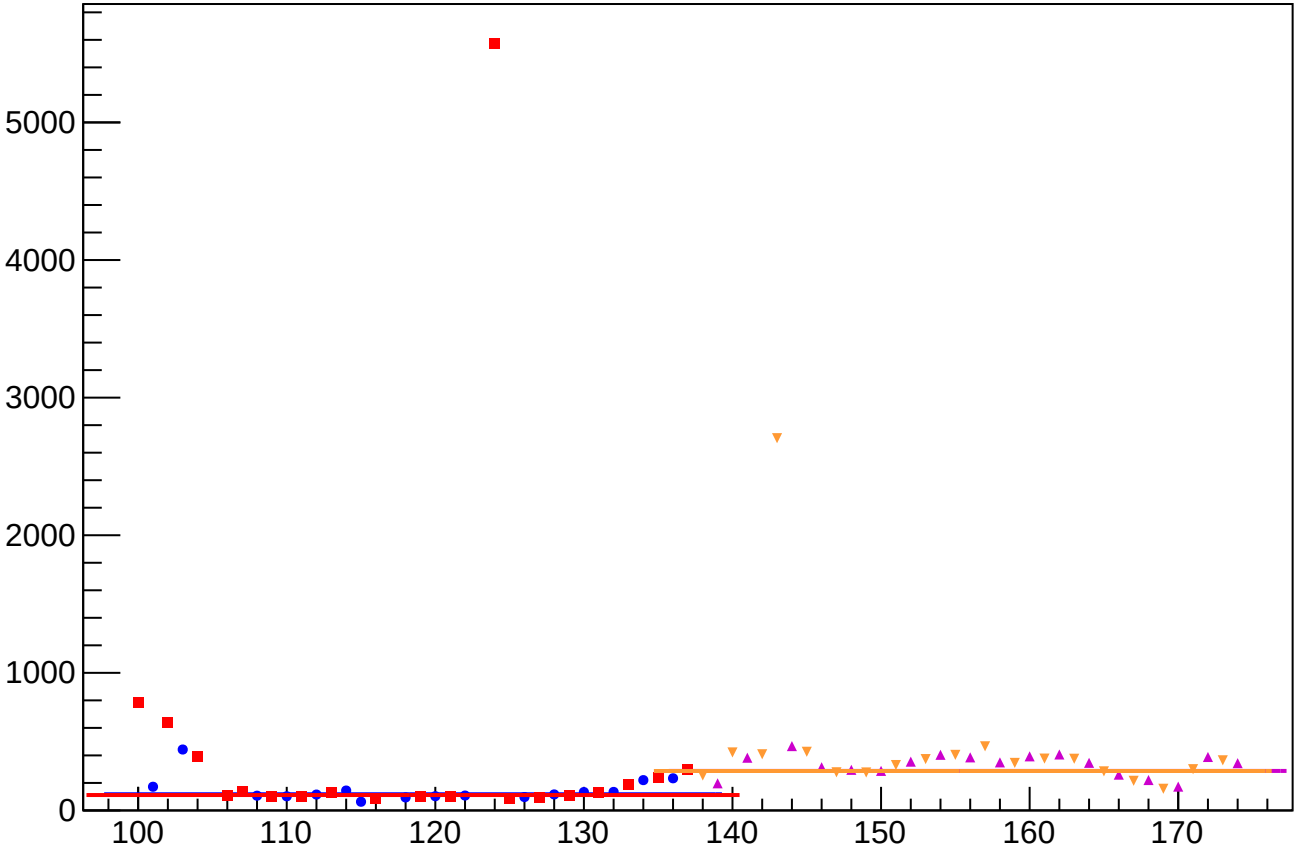
Left In: -0.046+/-0.079 χ^2/NDF:23.9/17

+ sign 0.021+/-0.041 χ^2/NDF: 38.8/34

All: 0.014+/-0.029 χ^2/NDF: 85.4/71

- 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: 286.752+/-0.057 χ^2/NDF:3777691.4/18

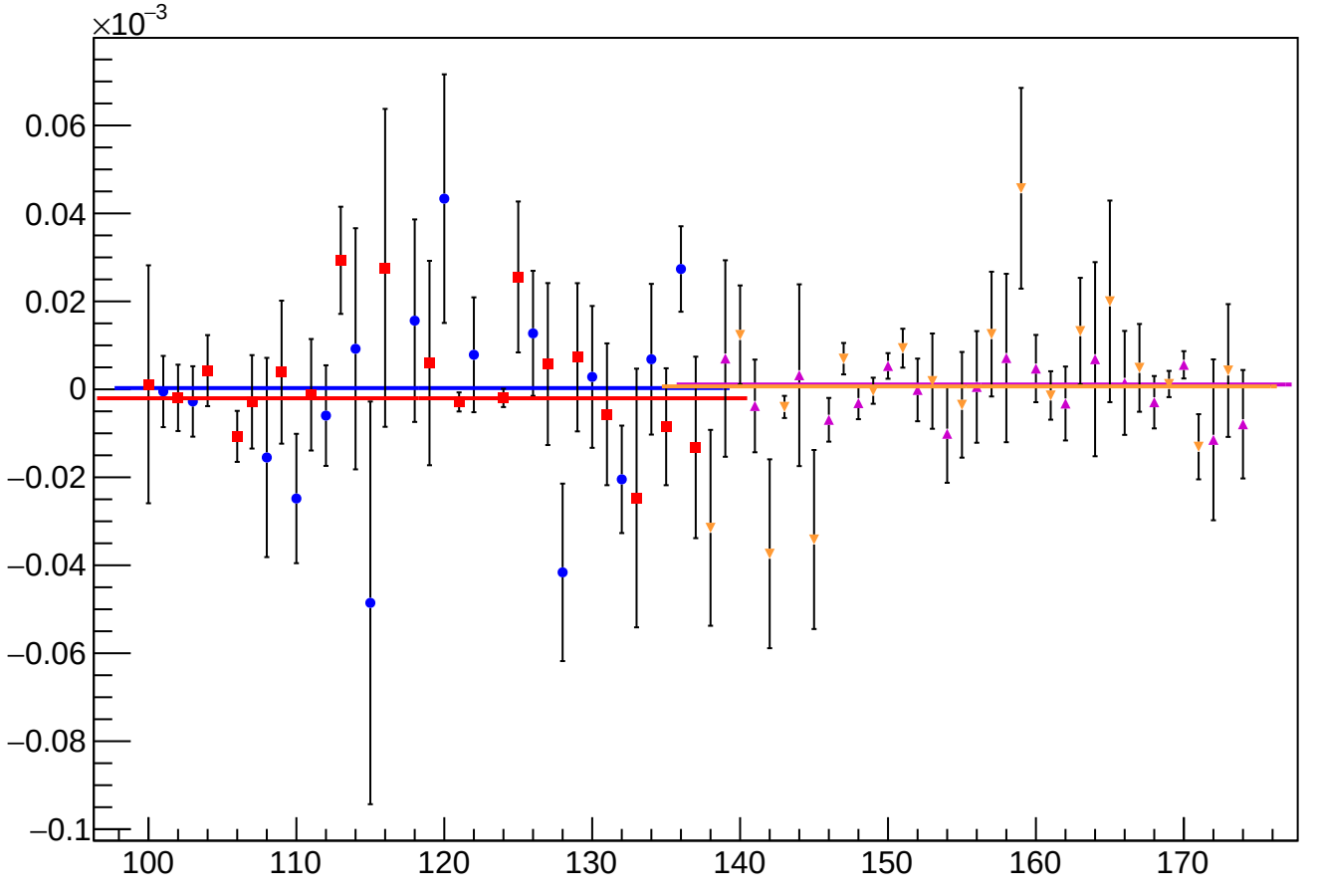
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 287.230+/-0.056 χ^2/NDF:2348177.4/17

+ sign 161.937+/-0.029 χ^2/NDF: 12030110.0/34

All: 159.819+/-0.020 χ^2/NDF: 23863533.4/71

- 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:30.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

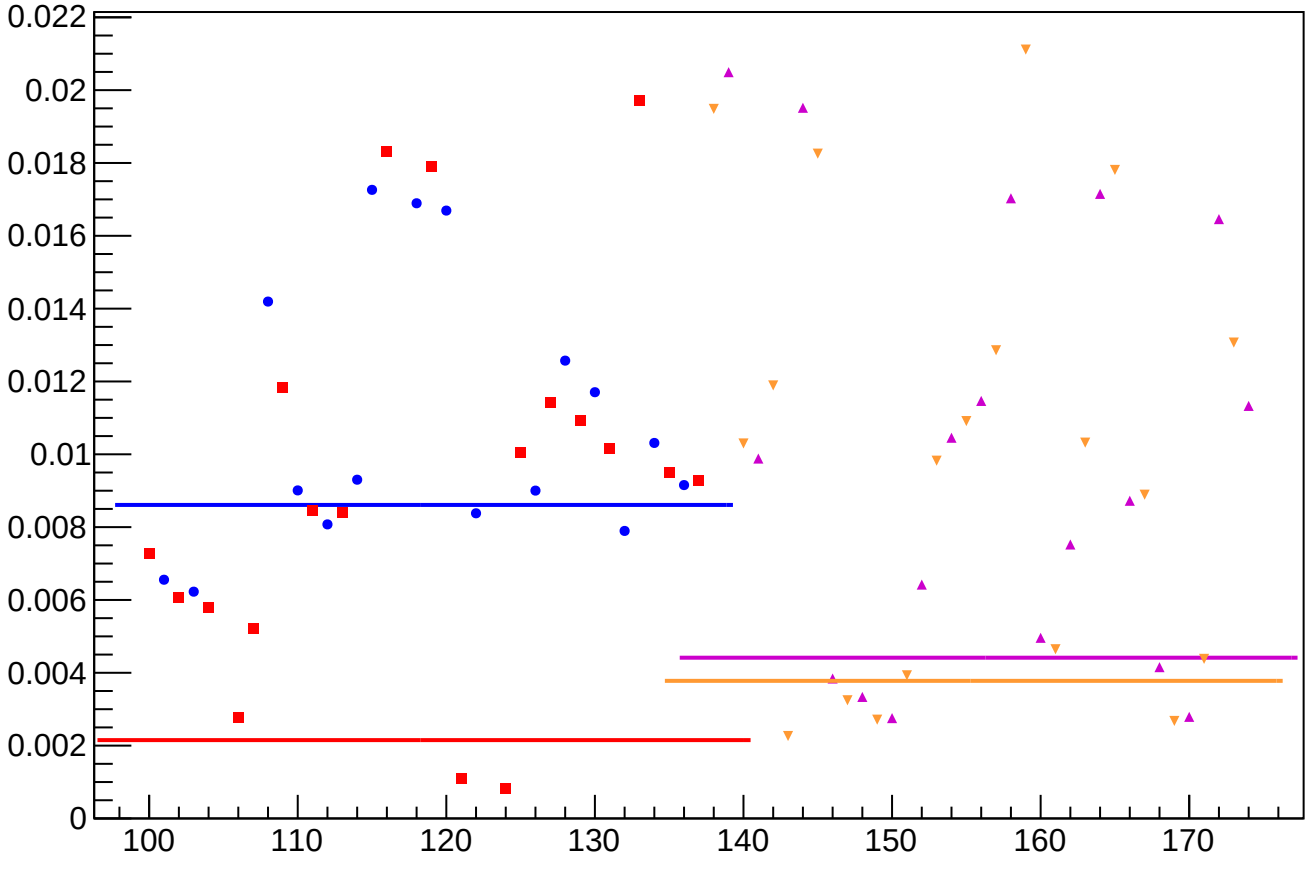
Left In: 0.000+/-0.000 χ^2/NDF:11.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 54.2/34

All: -0.000+/-0.000 χ^2/NDF: 83.7/71

- 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:10243622.6/18

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

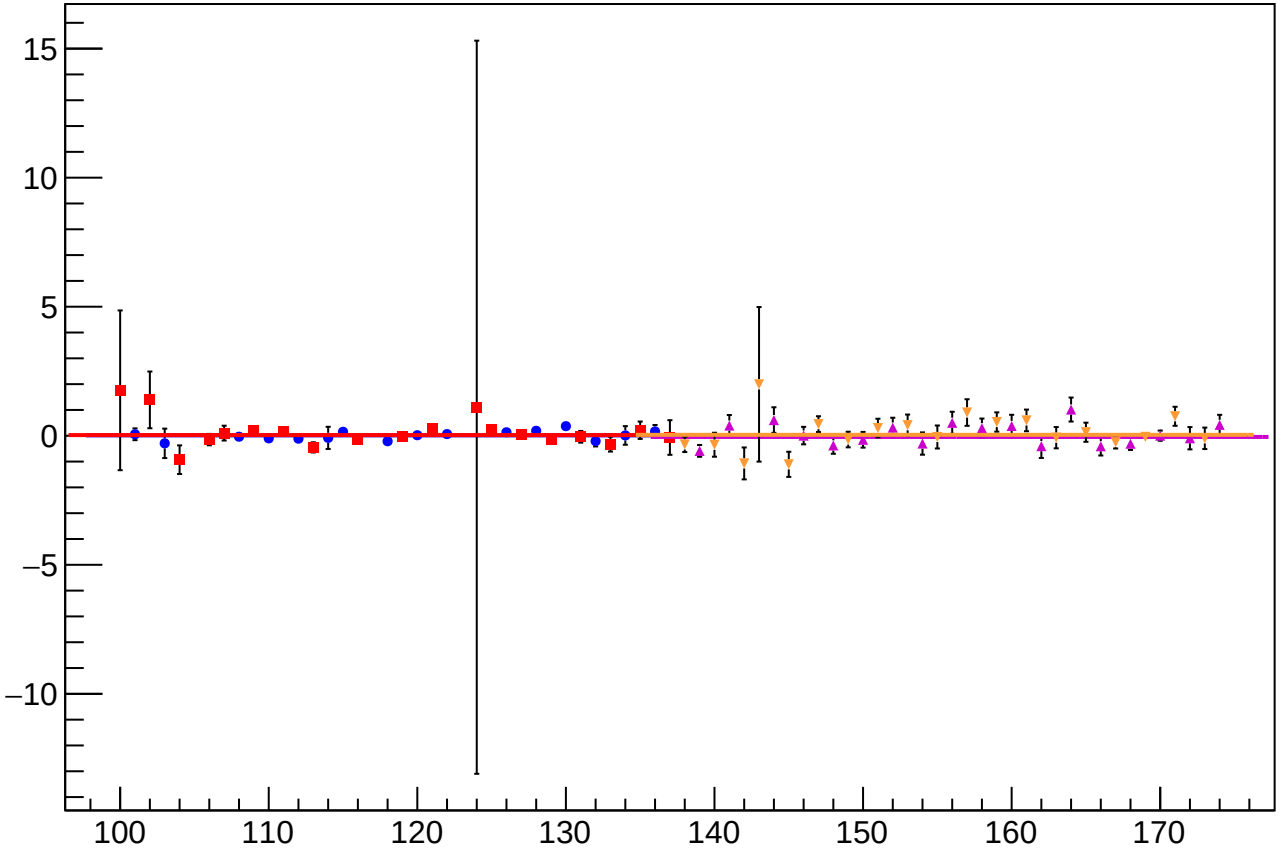
Left In: 0.004+/-0.000 χ^2/NDF:8988696.6/17

+ sign 0.004+/-0.000 χ^2/NDF: 14951542.5/34

All: 0.004+/-0.000 χ^2/NDF: 36829377.4/71

- 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+/-0.080 χ^2/NDF:26.9/18

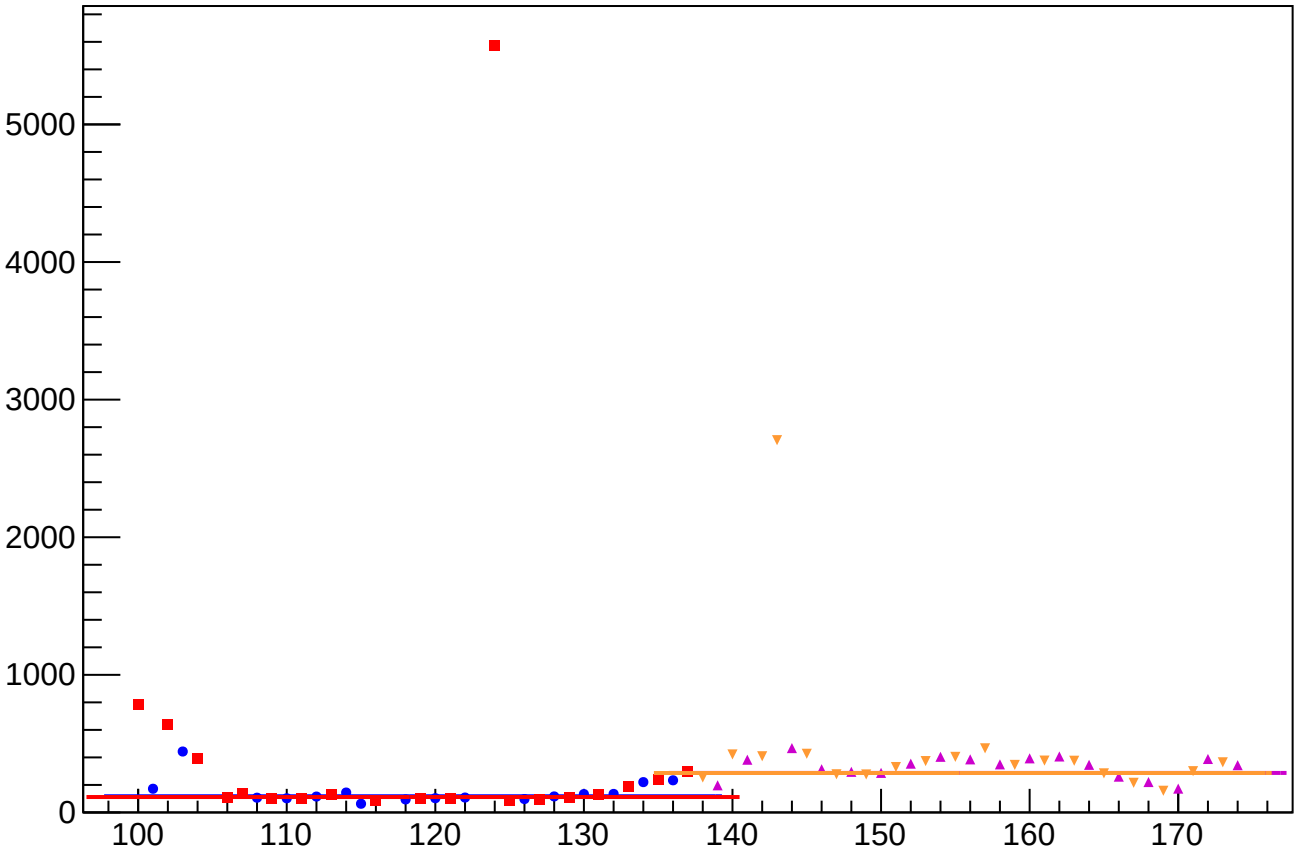
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.046+/-0.079 χ^2/NDF:23.9/17

+ sign 0.021+/-0.041 χ^2/NDF: 38.8/34

All: 0.014+/-0.029 χ^2/NDF: 85.4/71

- 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: 286.754+/-0.057 χ^2/NDF:3777762.2/18

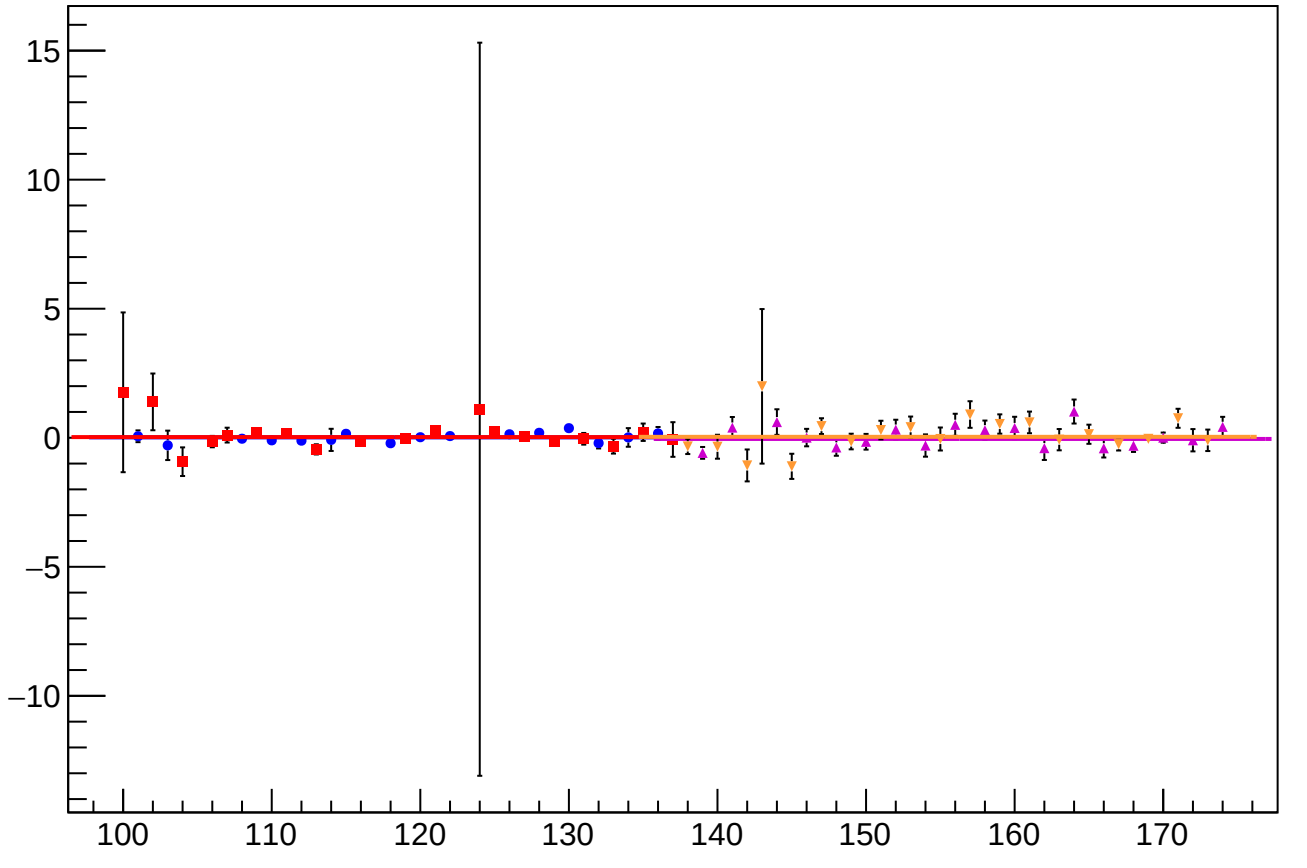
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 287.232+/-0.056 χ^2/NDF:2348151.8/17

+ sign 161.937+/-0.029 χ^2/NDF: 12030216.2/34

All: 159.820+/-0.020 χ^2/NDF: 23863487.9/71

- 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+/-0.080 χ^2/NDF:26.9/18

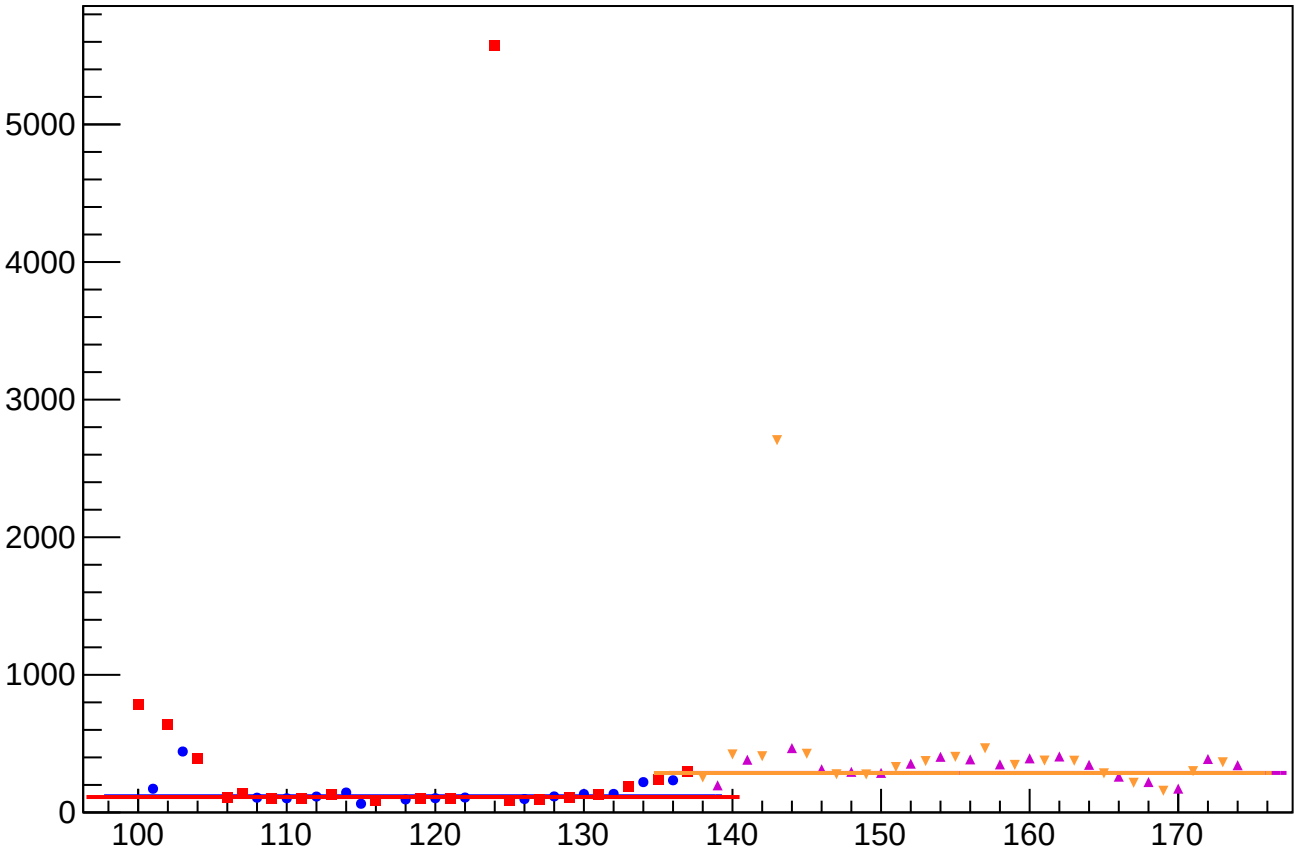
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.046+/-0.079 χ^2/NDF:23.9/17

+ sign 0.021+/-0.041 χ^2/NDF: 38.8/34

All: 0.014+/-0.029 χ^2/NDF: 85.4/71

- 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: 286.754+/-0.057 χ^2/NDF:3777762.2/18

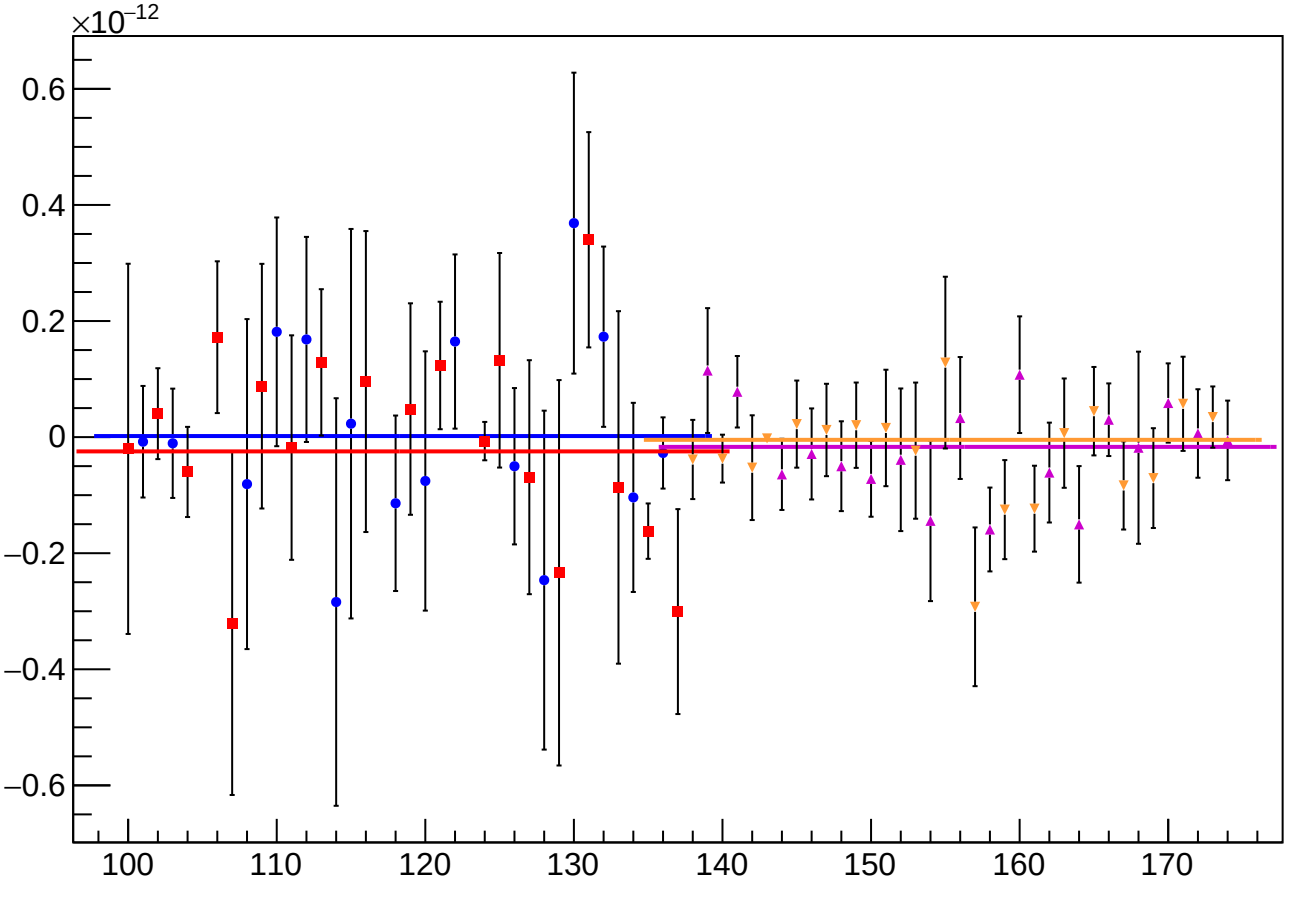
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 287.232+/-0.056 χ^2/NDF:2348151.8/17

+ sign 161.937+/-0.029 χ^2/NDF: 12030216.2/34

All: 159.820+/-0.020 χ^2/NDF: 23863487.9/71

- 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:14.7/18

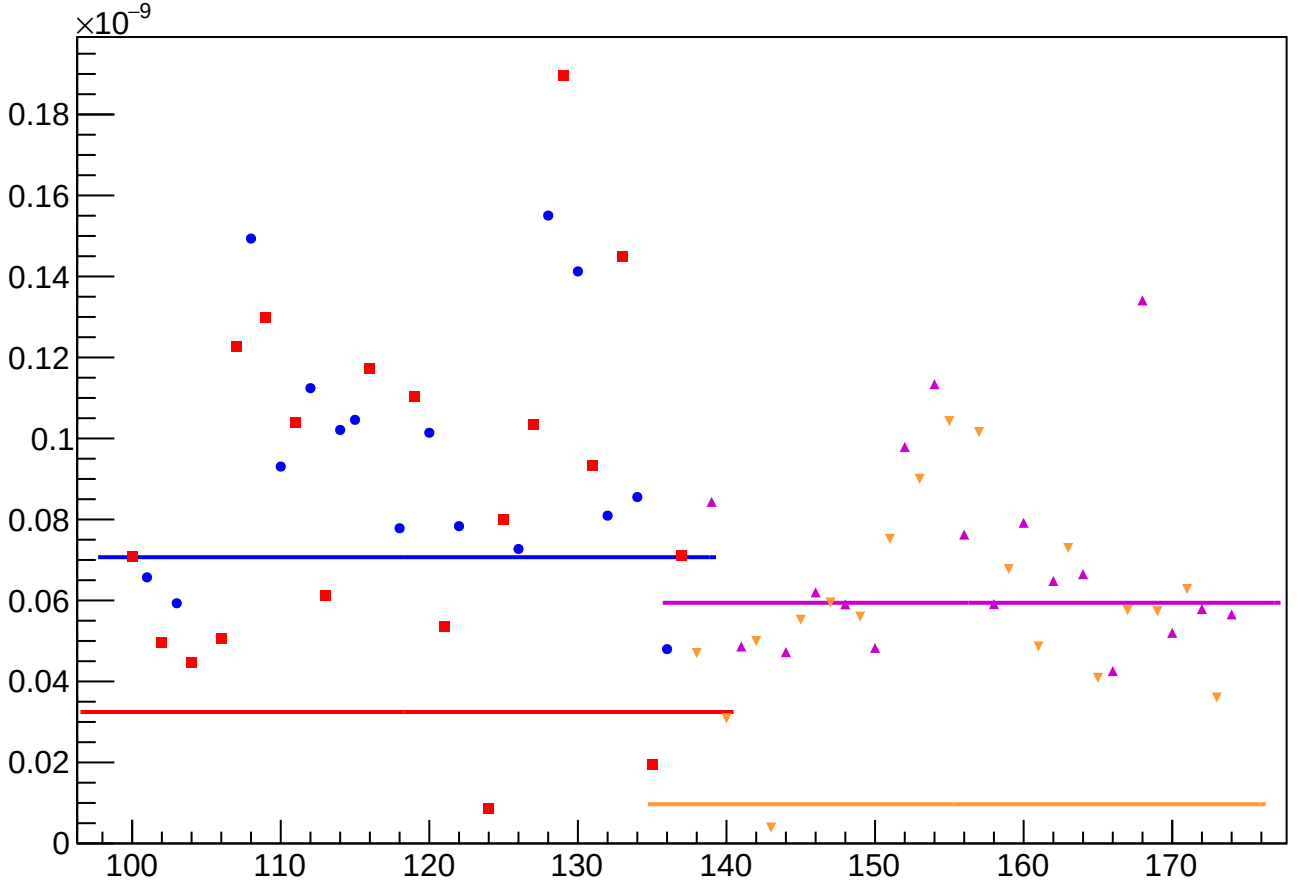
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/17

+ sign -0.000+/-0.000 χ^2/NDF: 23.8/34

All: -0.000+/-0.000 χ^2/NDF: 65.0/71

- 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:14346148.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

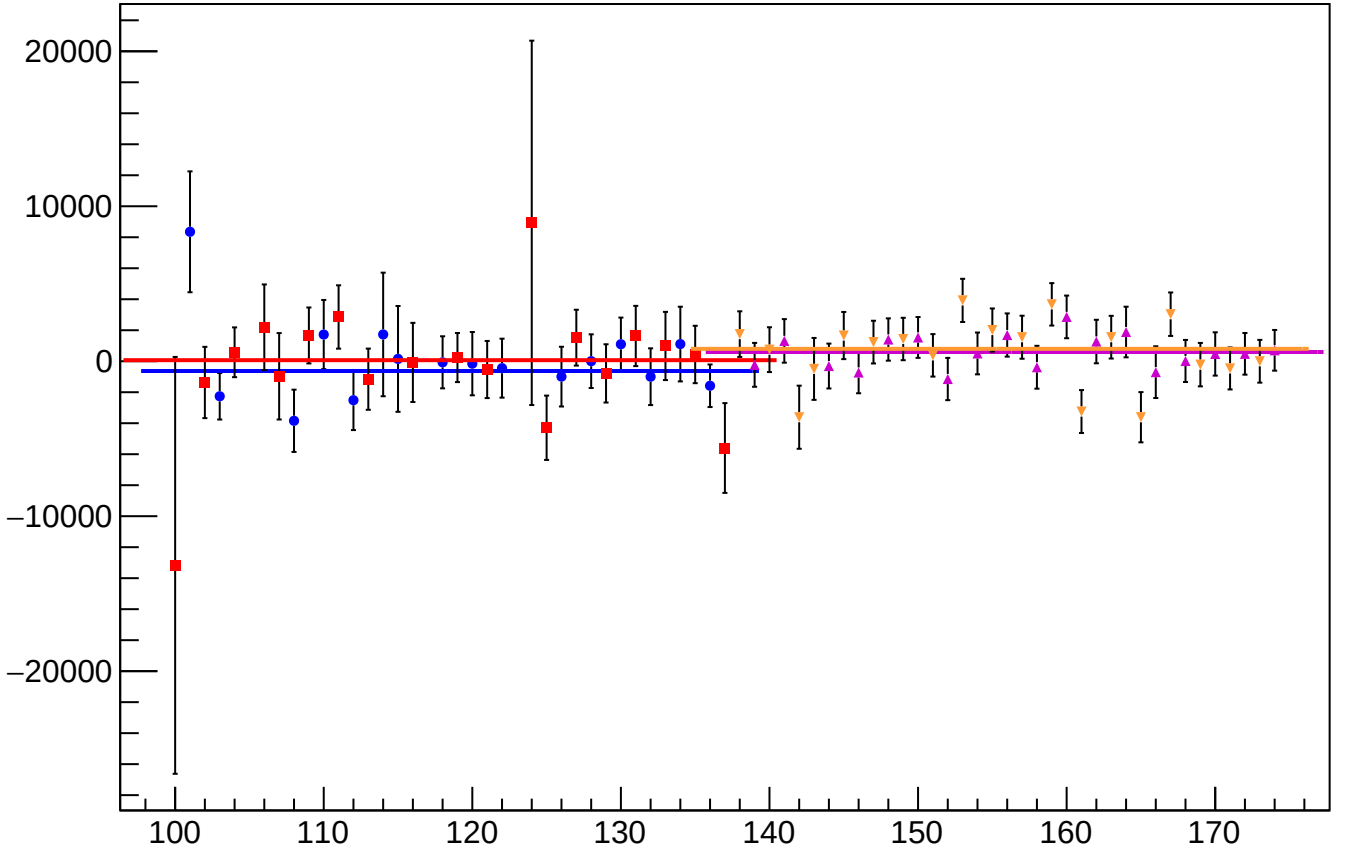
Left In: 0.000+/-0.000 χ^2/NDF:1535539.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 21443500.1/34

All: 0.000+/-0.000 χ^2/NDF: 40107134.1/71

- 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: 800.105+/-332.268 χ^2/NDF:37.3/18

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

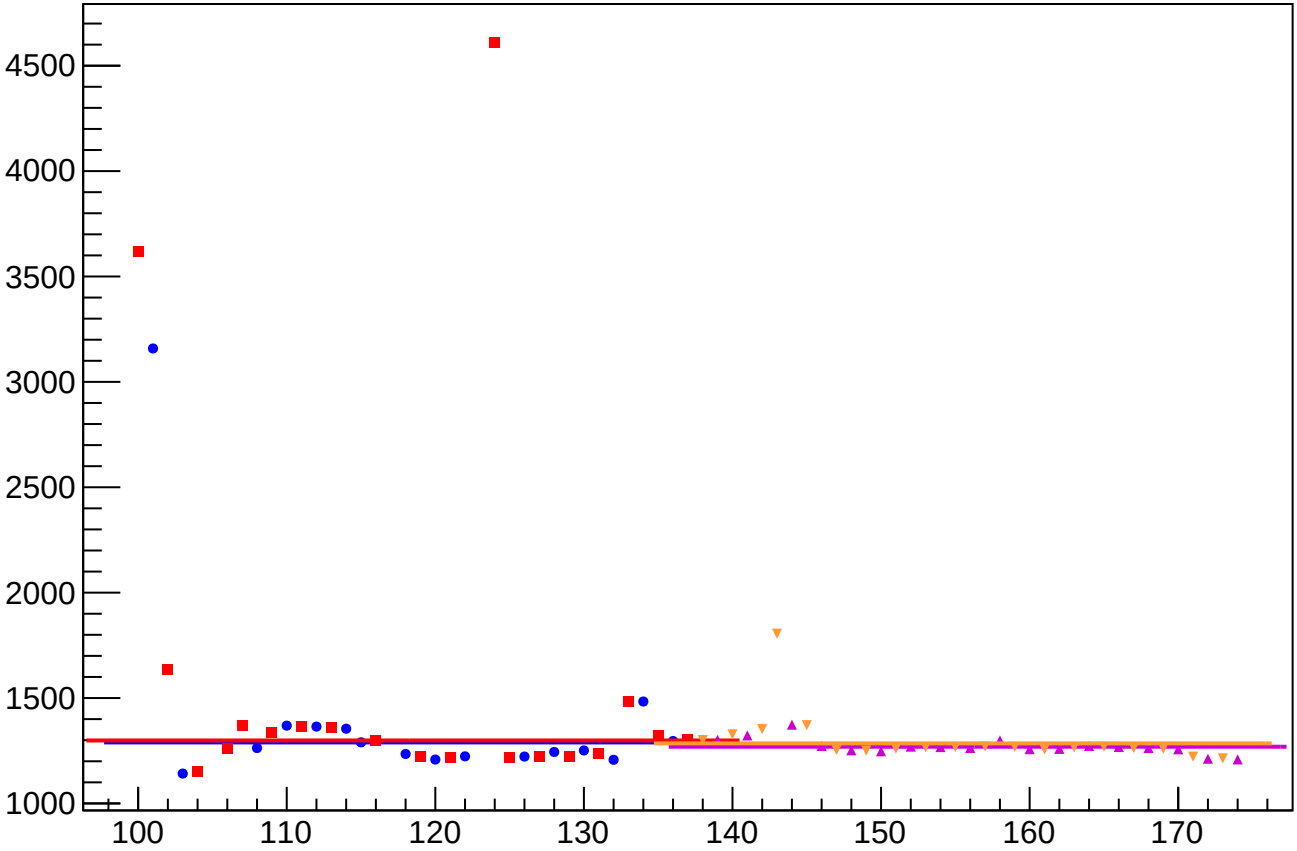
Left In: 594.396+/-329.096 χ^2/NDF:10.0/17

+ sign 347.630+/-274.767 χ^2/NDF: 57.1/34

All: 388.915+/-193.593 χ^2/NDF: 83.7/71

- 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: 1284.835+/-0.235 χ^2/NDF:162767.3/18

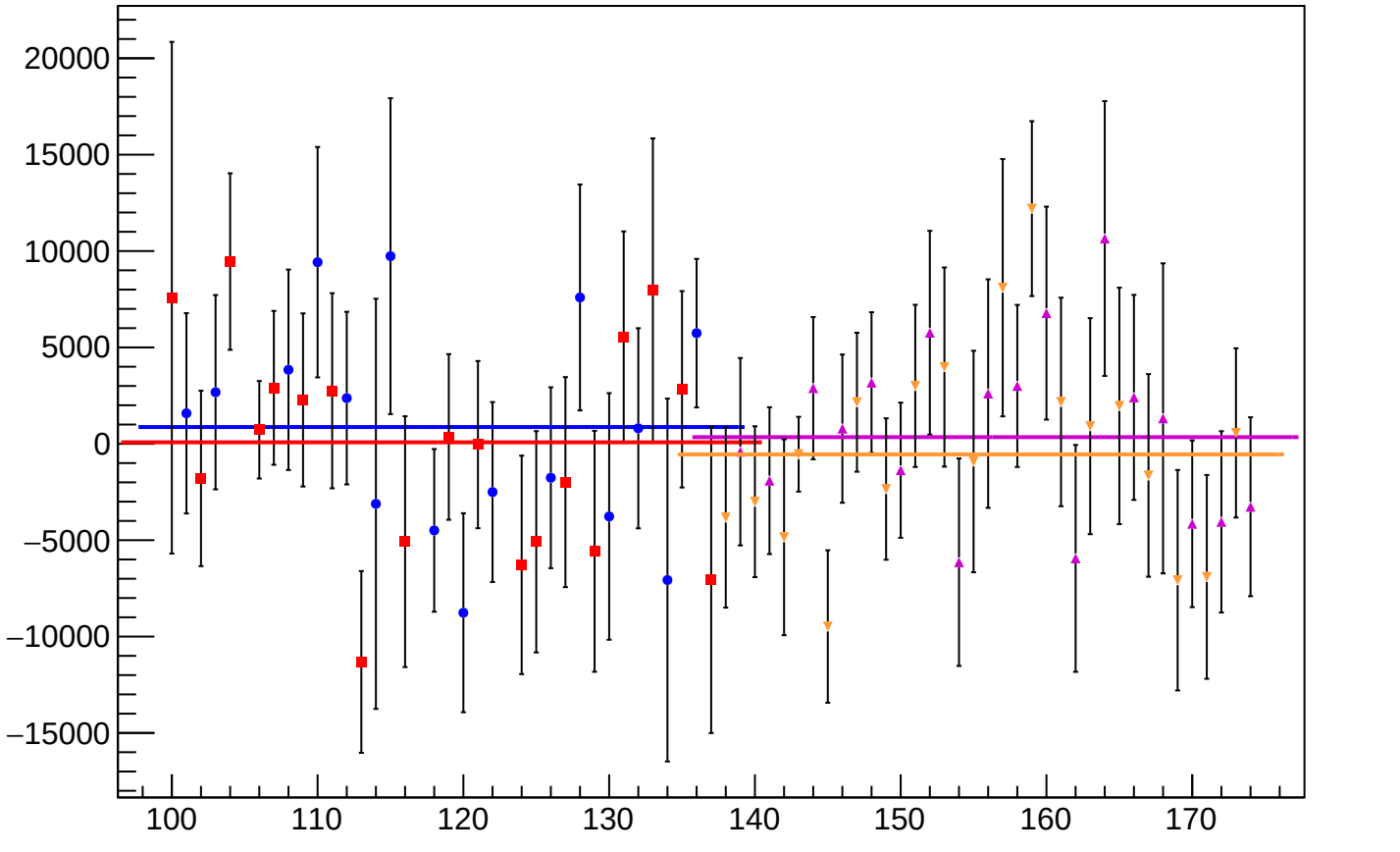
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

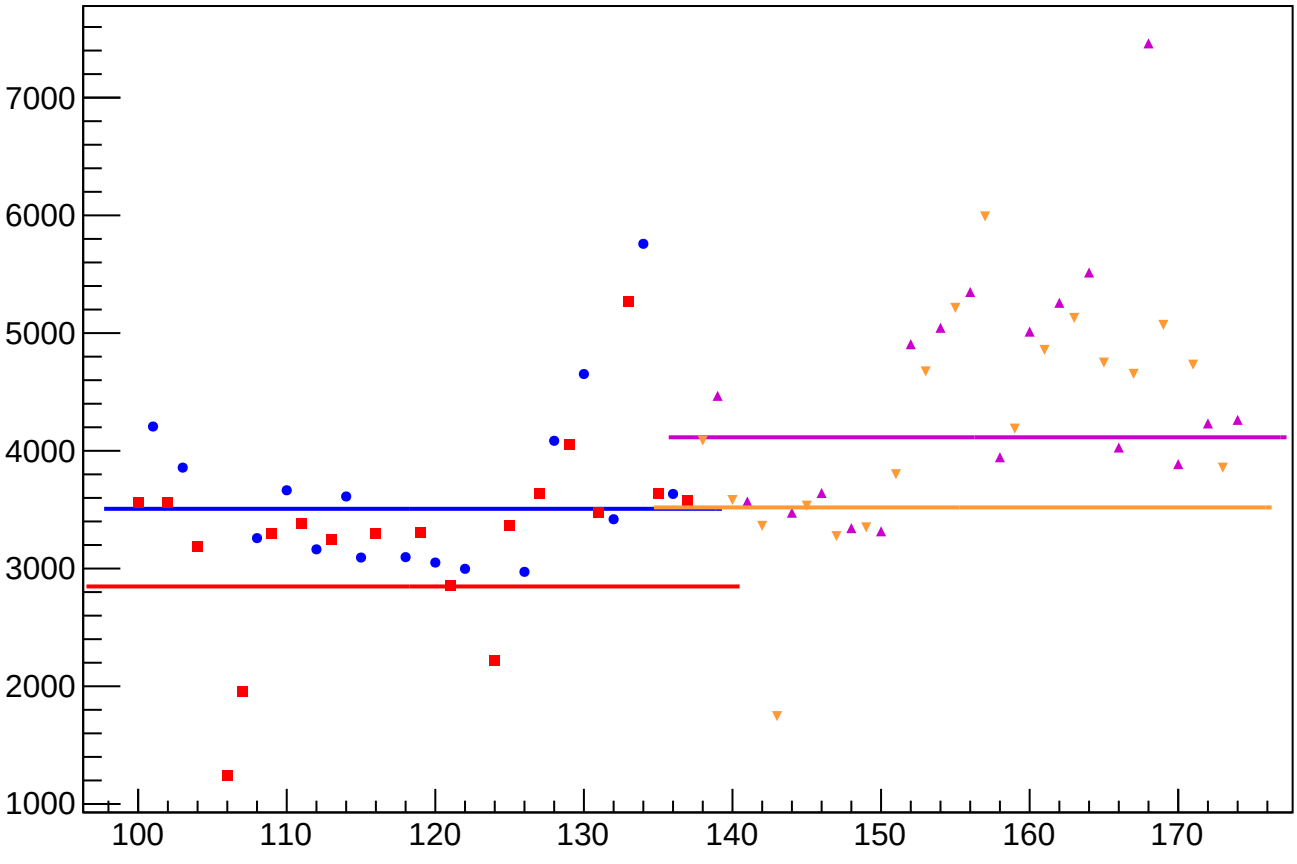
Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1286.299+/-0.194 χ^2/NDF: 677565.2/34

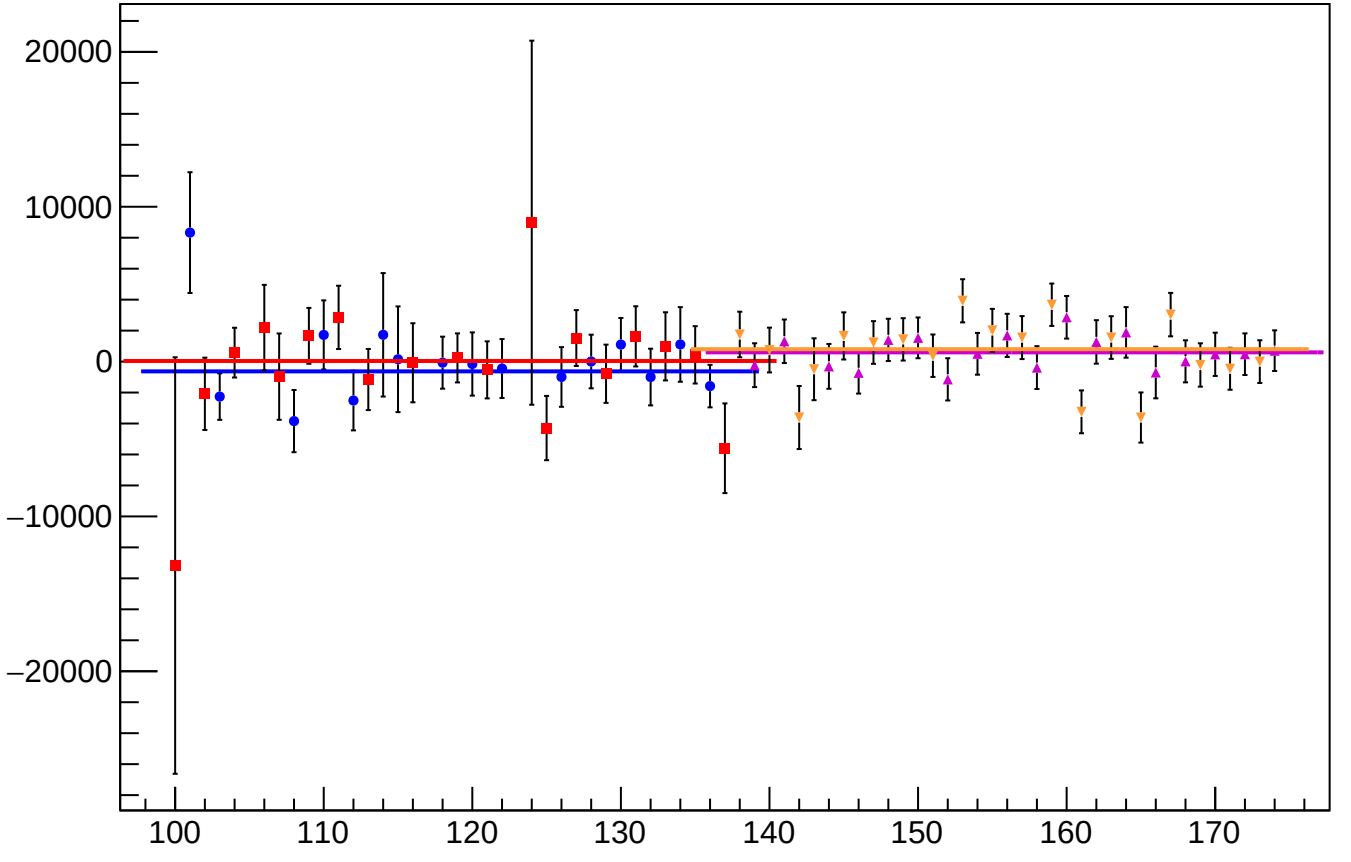
All: 1282.292+/-0.137 χ^2/NDF: 1027375.6/71

- sign 1278.348+/-0.193 χ^2/NDF: 348966.3/36


asym_atl_dd_atr_dd_avg_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: -548.542+/-965.250 χ²/NDF:21.9/18
Right Out: 77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 345.521+/-1090.150 χ²/NDF:12.1/17
+ sign -56.761+/-780.237 χ²/NDF: 36.7/34
All: 78.968+/-550.970 χ²/NDF: 67.2/71
- sign 213.971+/-778.145 χ²/NDF: 30.5/36


asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 3519.157+/-0.683 χ²/NDF:3043118.6/18
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 4114.916+/-0.771 χ²/NDF:1090708.1/17
+ sign 3515.081+/-0.552 χ²/NDF: 3397200.6/34
All: 3504.220+/-0.390 χ²/NDF: 7313320.5/71
- sign 3493.418+/-0.550 χ²/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: 800.137+/-332.268 χ^2/NDF:37.3/18

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

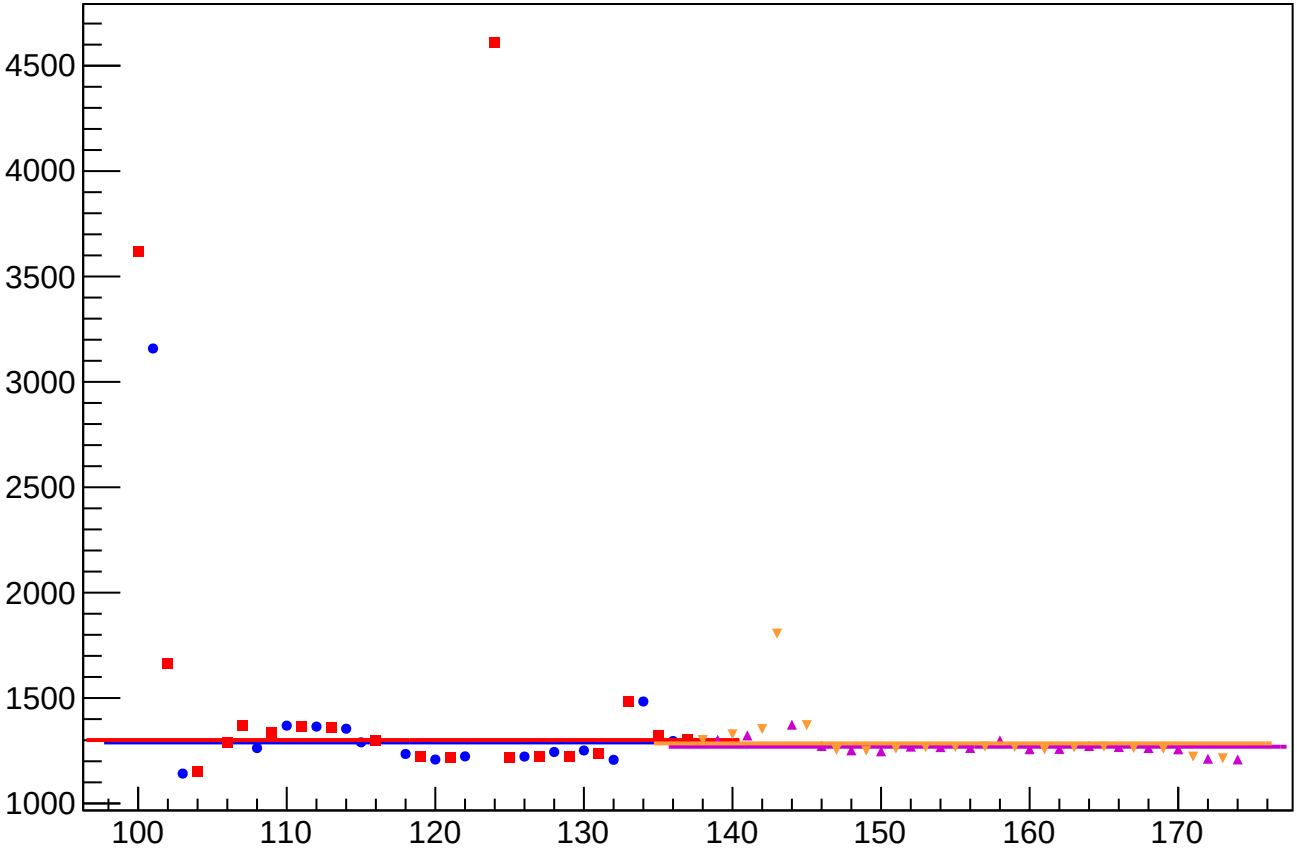
Left In: 594.340+/-329.096 χ^2/NDF:10.0/17

+ sign 347.530+/-274.767 χ^2/NDF: 57.0/34

All: 384.348+/-193.613 χ^2/NDF: 84.2/71

- 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: 1284.835+/-0.235 χ^2/NDF:162767.3/18

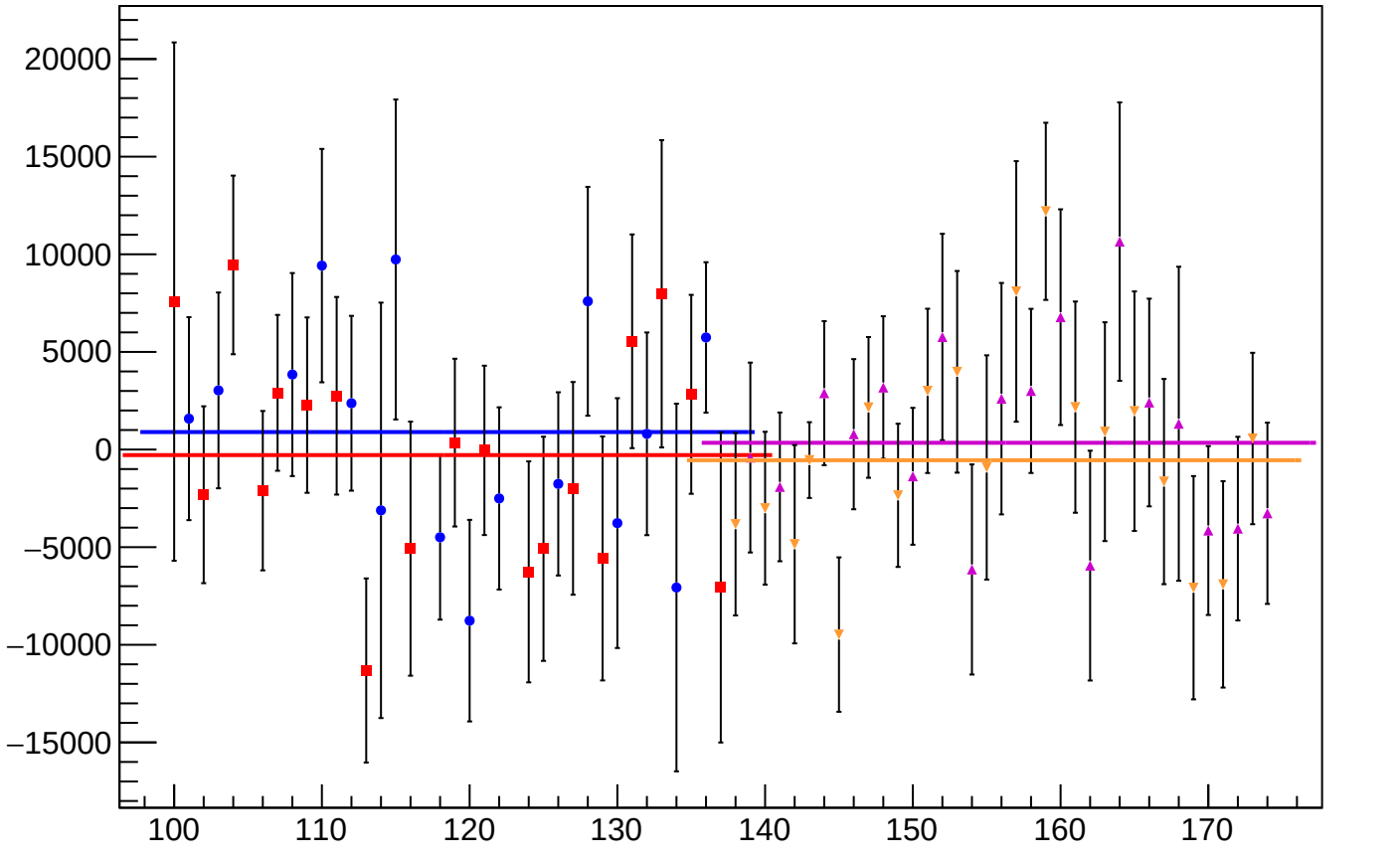
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1286.299+/-0.194 χ^2/NDF: 677566.6/34

All: 1282.605+/-0.137 χ^2/NDF: 1034492.2/71

- 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: -548.467+/-965.248 χ^2/NDF:21.9/18

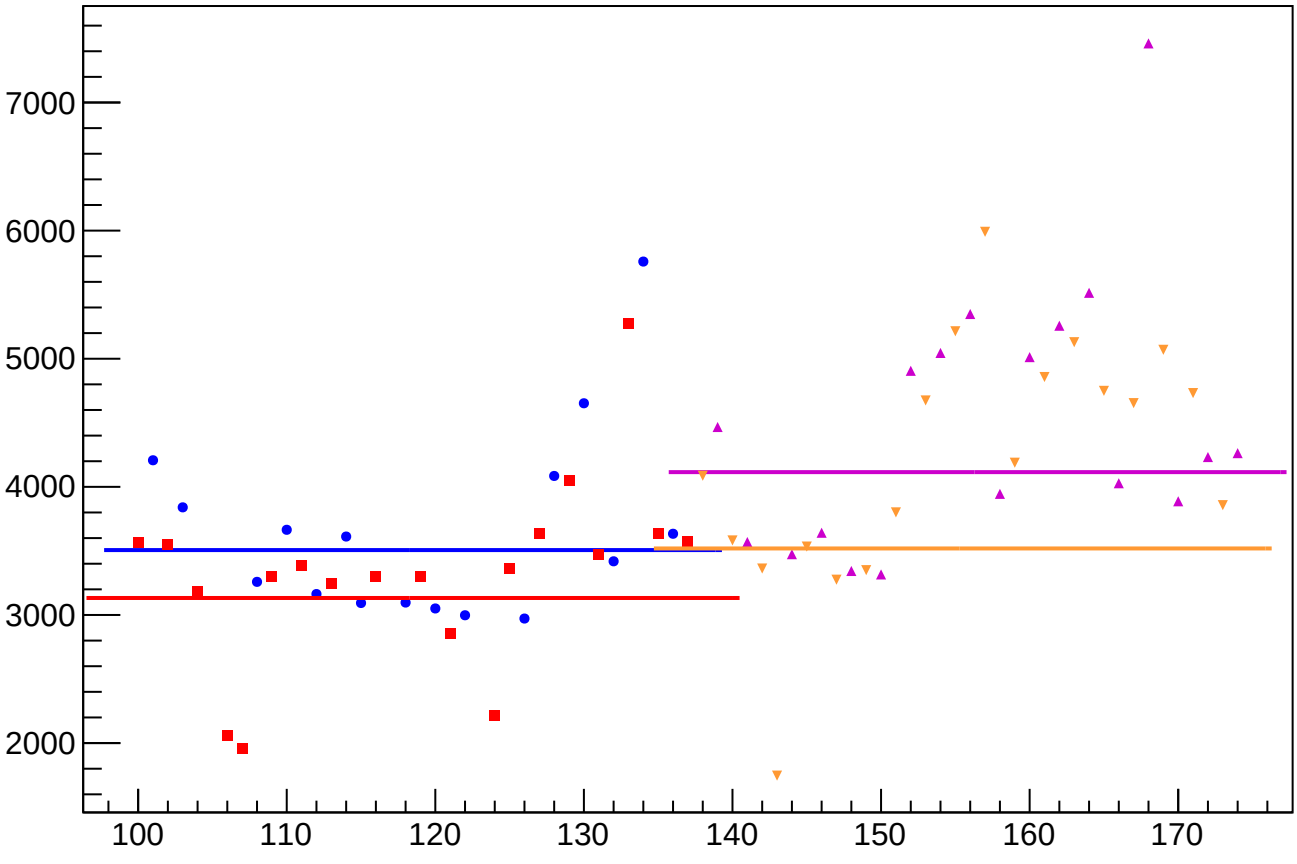
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 345.521+/-1090.149 χ^2/NDF:12.1/17

+ sign -47.573+/-780.143 χ^2/NDF: 36.8/34

All: 3.041+/-559.118 χ^2/NDF: 67.6/71

- 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: 3519.148+/-0.683 χ^2/NDF:3043150.2/18

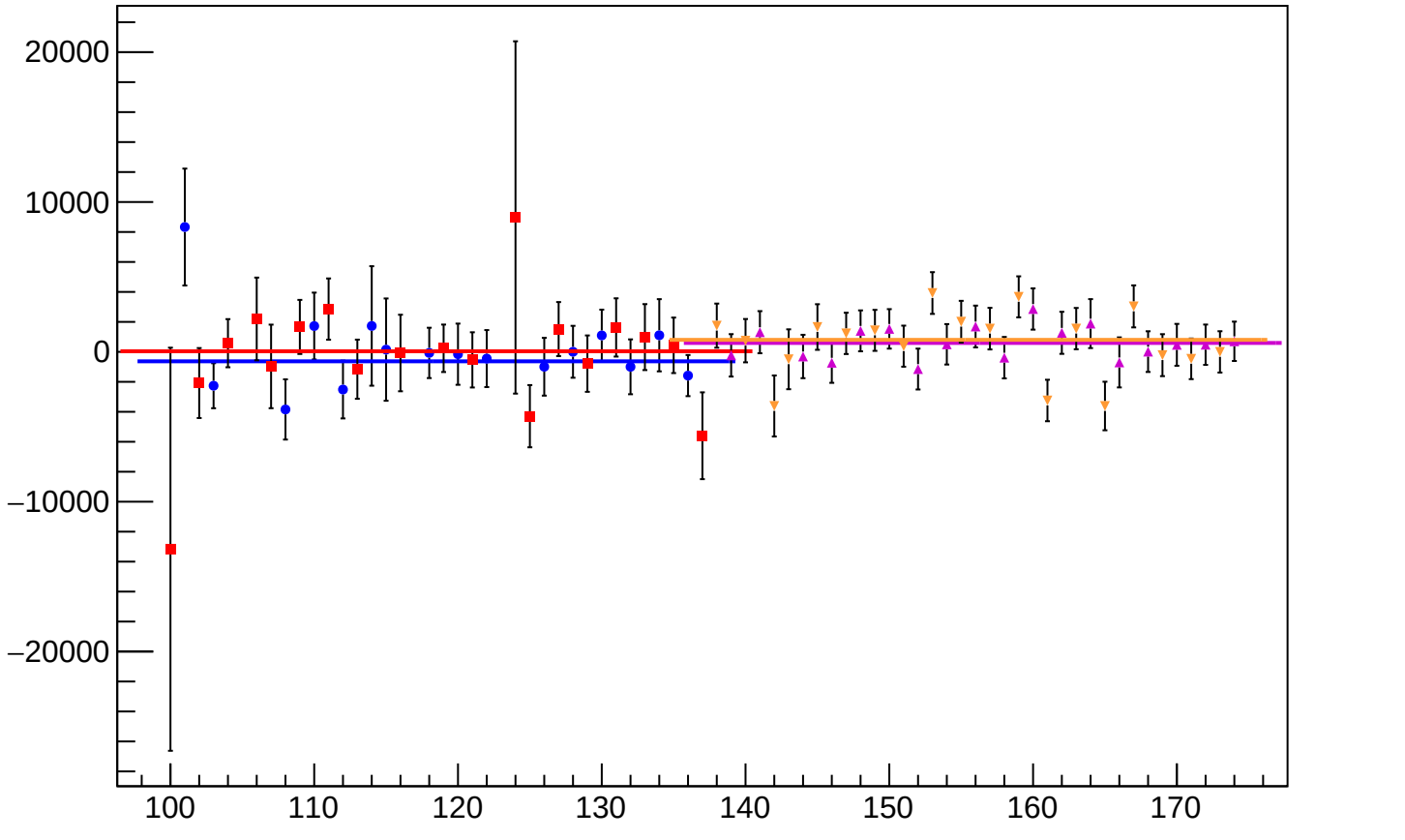
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

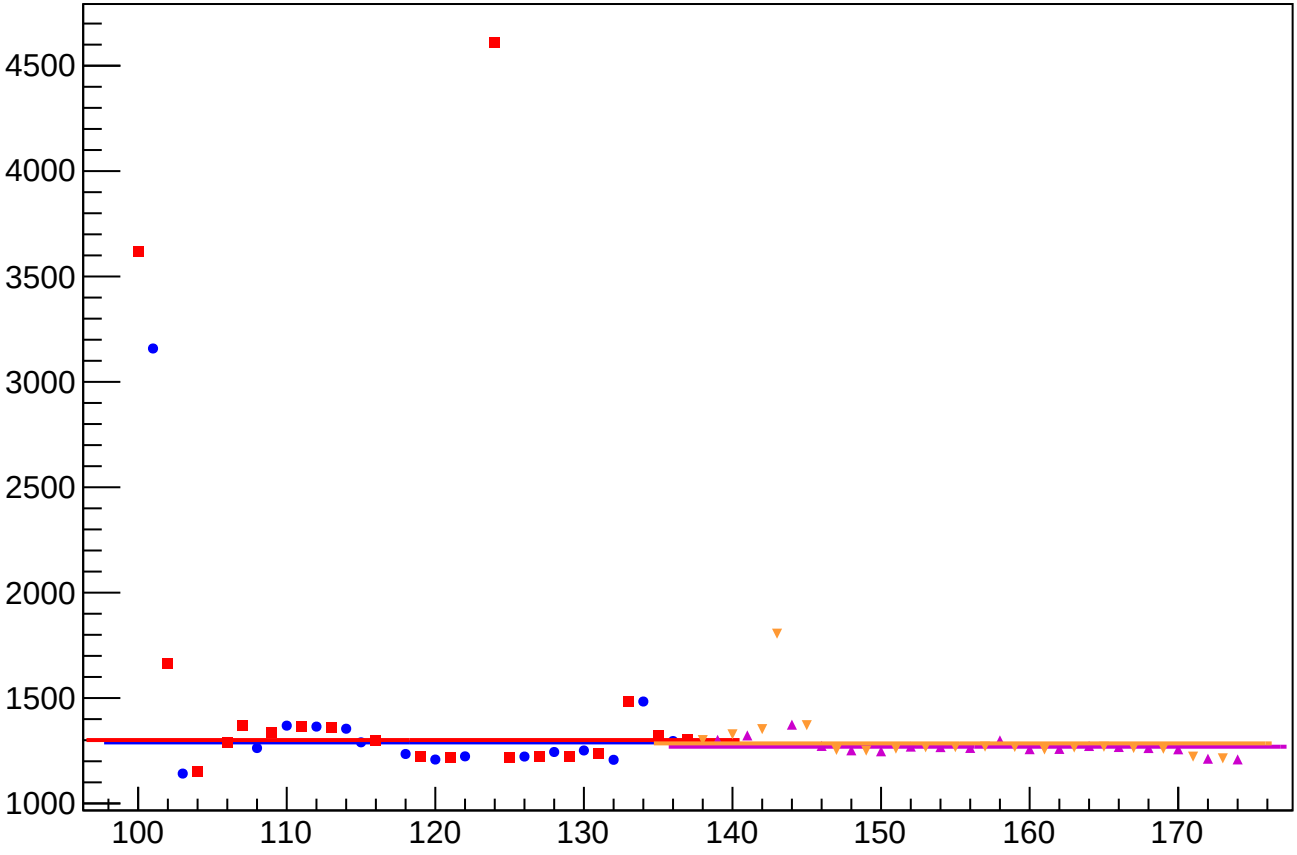
+ sign 3514.757+/-0.552 χ^2/NDF: 3396507.3/34

All: 3587.283+/-0.395 χ^2/NDF: 5917997.3/71

- sign 3663.878+/-0.567 χ^2/NDF: 2485950.0/36


eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 800.137+/-332.268 χ²/NDF:37.3/18
Right Out: 38.623+/-488.084 χ²/NDF: 16.3/18
Left In: 594.340+/-329.096 χ²/NDF:10.0/17
+ sign 347.530+/-274.767 χ²/NDF: 57.0/34
All: 384.348+/-193.613 χ²/NDF: 84.2/71
- sign 420.657+/-272.864 χ²/NDF: 27.2/36

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

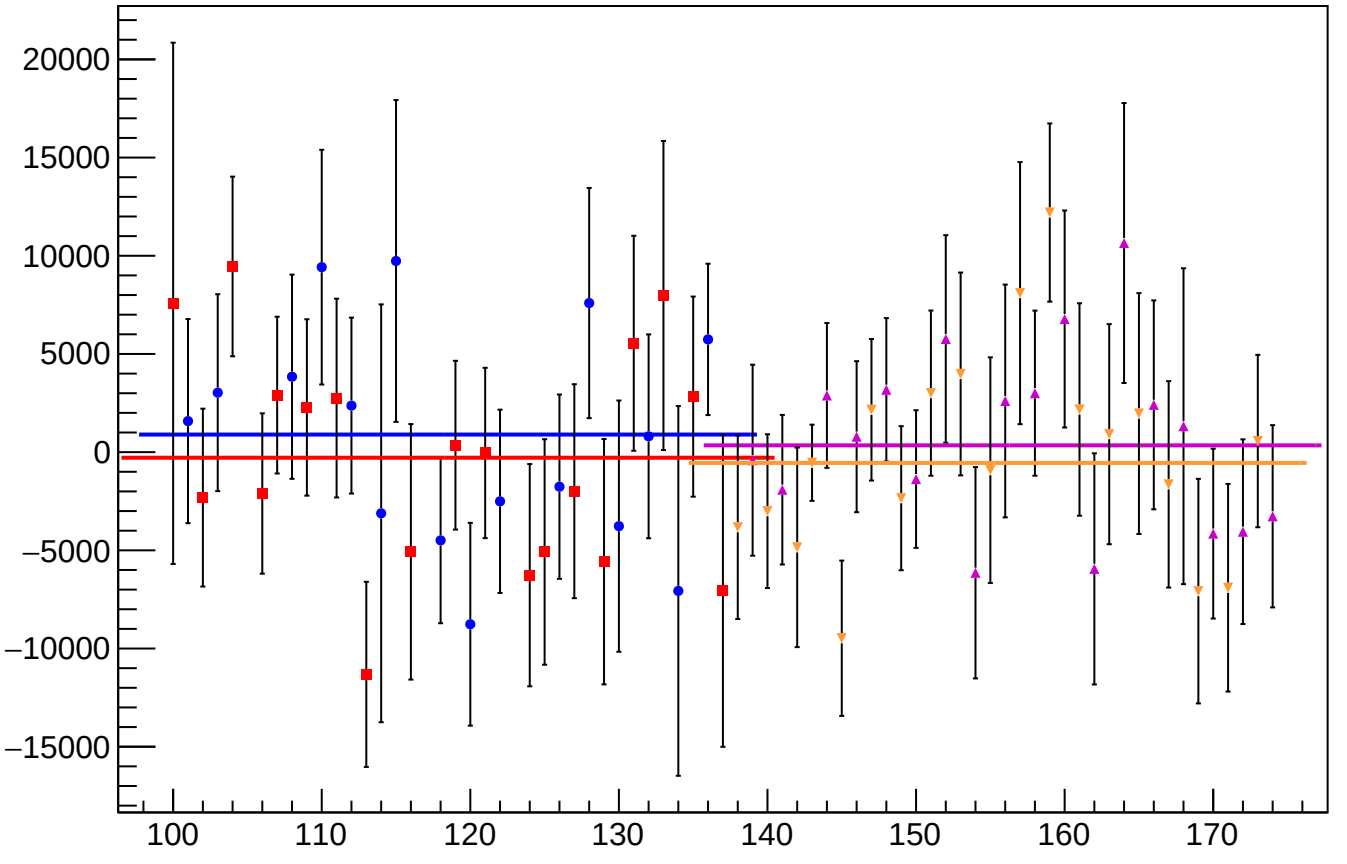
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1286.299+/-0.194 χ^2/NDF: 677566.6/34

All: 1282.605+/-0.137 χ^2/NDF: 1034492.2/71

- 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: -548.467+/-965.248 χ^2/NDF:21.9/18

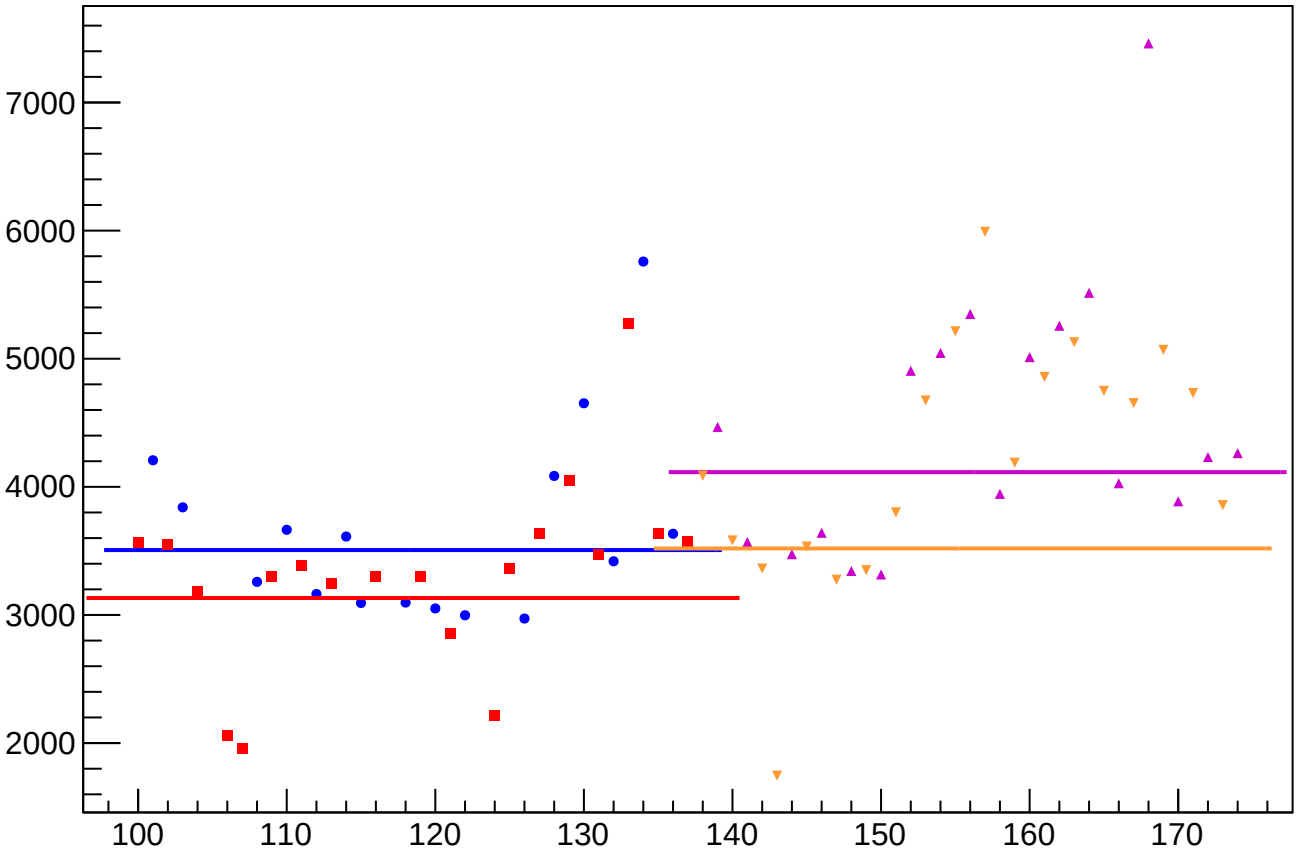
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 345.521+/-1090.149 χ^2/NDF:12.1/17

+ sign -47.573+/-780.143 χ^2/NDF: 36.8/34

All: 3.041+/-559.118 χ^2/NDF: 67.6/71

- 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: 3519.148+/-0.683 χ^2/NDF:3043150.2/18

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

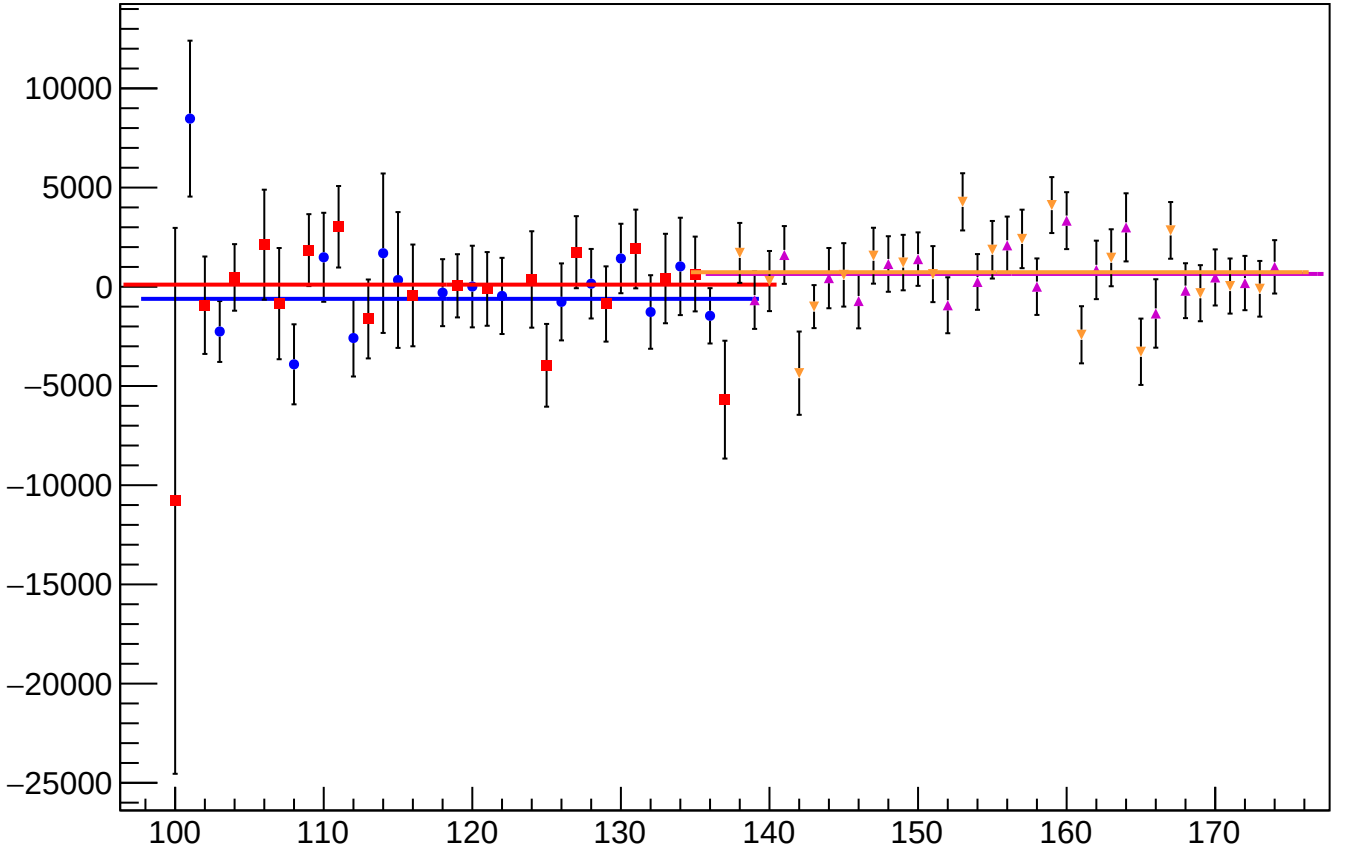
Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

+ sign 3514.757+/-0.552 χ^2/NDF: 3396507.3/34

All: 3587.283+/-0.395 χ^2/NDF: 5917997.3/71

- 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: 735.045+/-331.086 χ^2/NDF:37.3/18

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

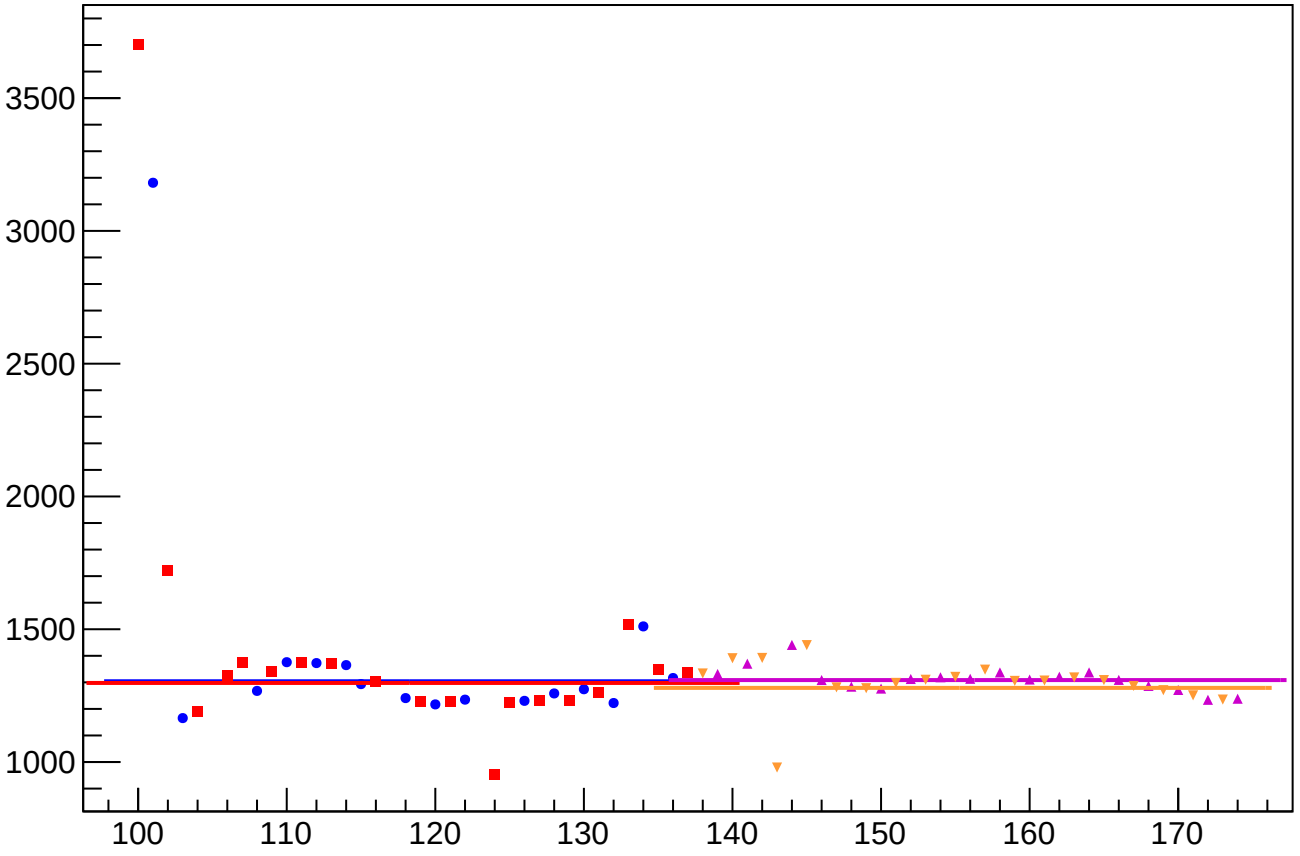
Left In: 647.406+/-339.439 χ^2/NDF:12.5/17

+ sign 319.021+/-275.061 χ^2/NDF: 56.5/34

All: 393.917+/-195.598 χ^2/NDF: 84.9/71

- 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: 1279.191+/-0.234 χ^2/NDF:206354.8/18

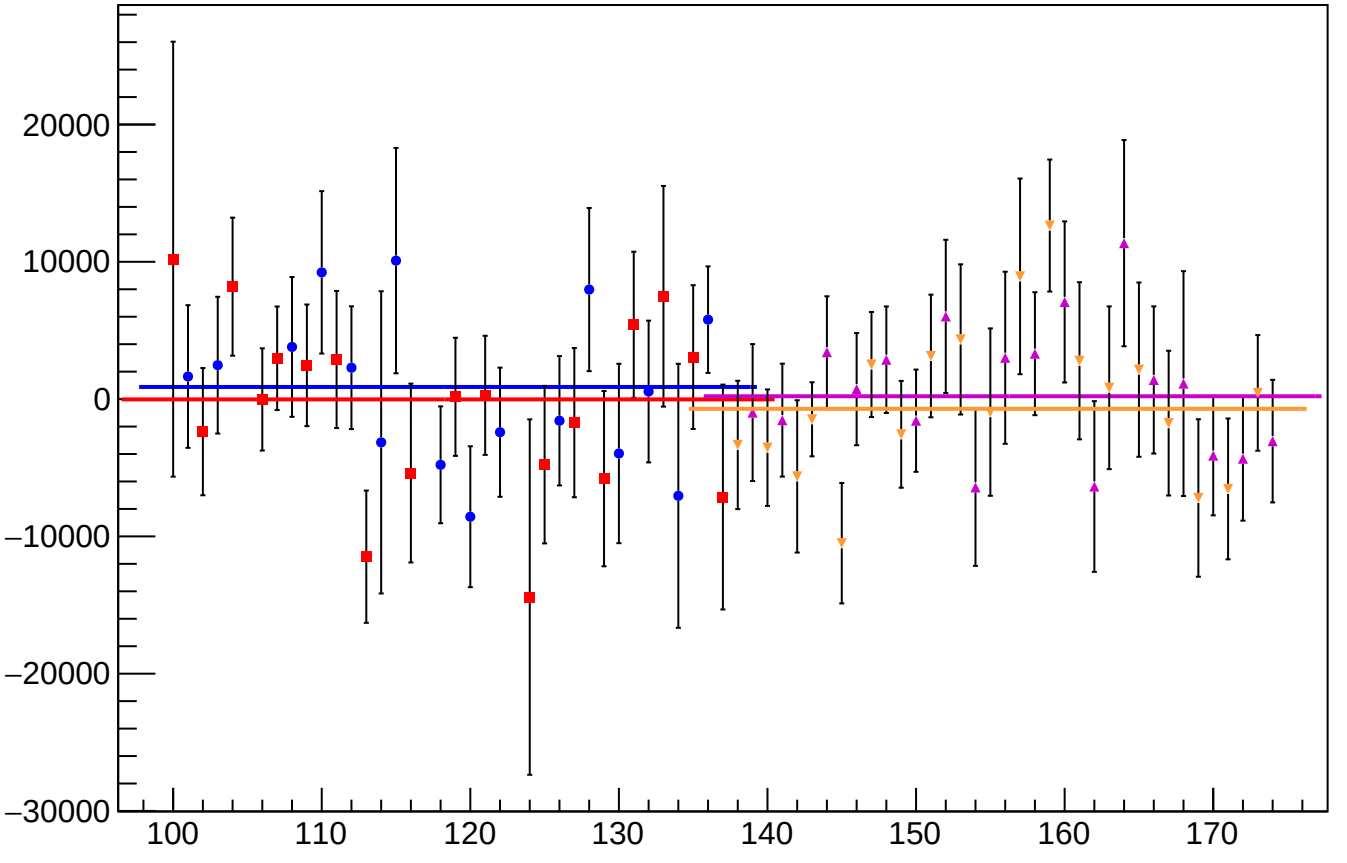
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1308.584+/-0.240 χ^2/NDF:35969.6/17

+ sign 1286.908+/-0.194 χ^2/NDF: 720452.0/34

All: 1295.873+/-0.138 χ^2/NDF: 974478.7/71

- 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: -708.290+/-1068.709 χ^2/NDF:22.0/18

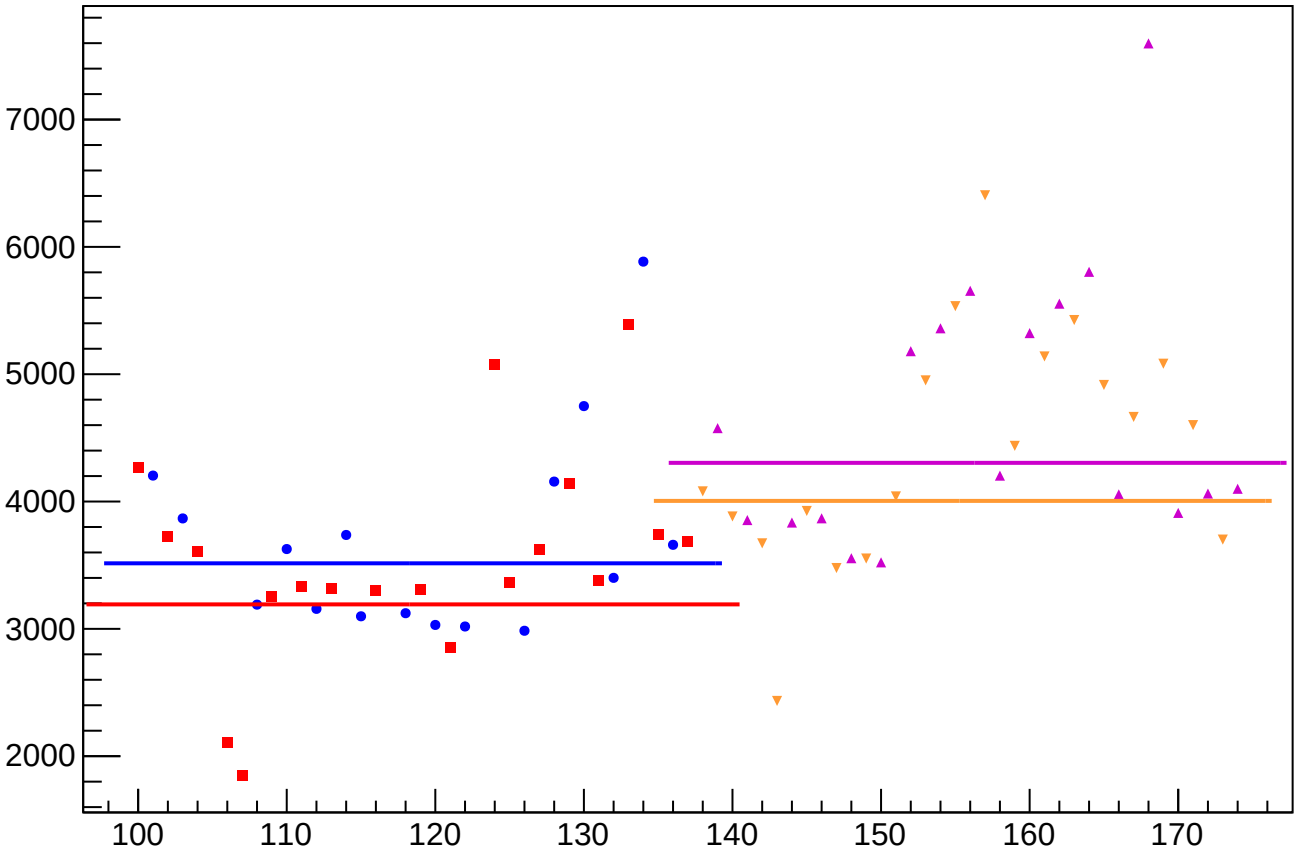
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 206.543+/-1139.188 χ^2/NDF:12.0/17

\+ sign -82.049+/-832.440 χ^2/NDF: 37.0/34

All: 9.074+/-586.404 χ^2/NDF: 65.9/71

\- 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: 4005.003+/-0.756 χ^2/NDF:1556289.4/18

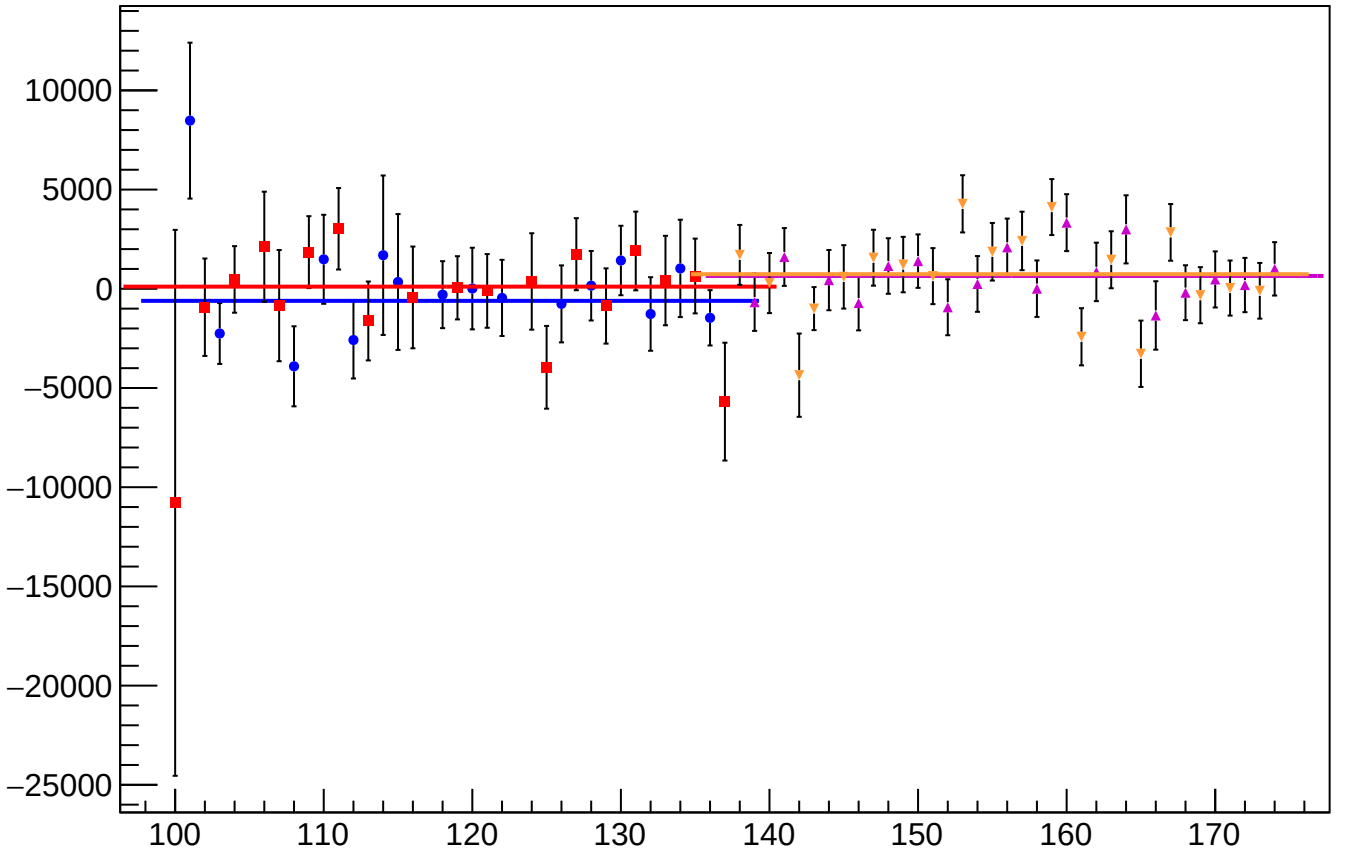
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4303.858+/-0.806 χ^2/NDF:1028472.8/17

+ sign 3812.194+/-0.589 χ^2/NDF: 2096892.8/34

All: 3794.423+/-0.415 χ^2/NDF: 4802426.0/71

- 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: 735.048+/-331.086 χ^2/NDF:37.3/18

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

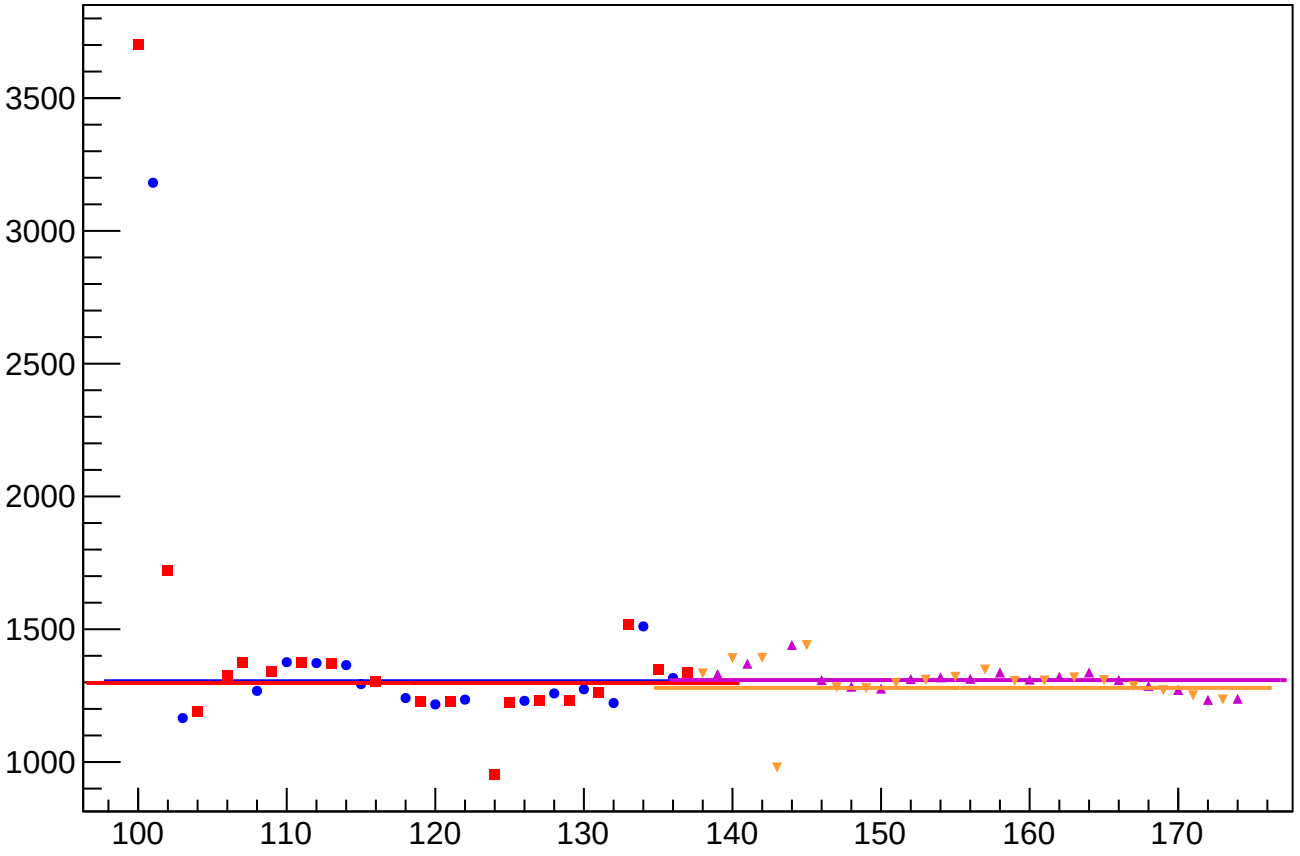
Left In: 647.407+/-339.439 χ^2/NDF:12.5/17

+ sign 319.021+/-275.061 χ^2/NDF: 56.5/34

All: 393.918+/-195.598 χ^2/NDF: 84.9/71

- 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: 1279.192+/-0.234 χ^2/NDF:206356.0/18

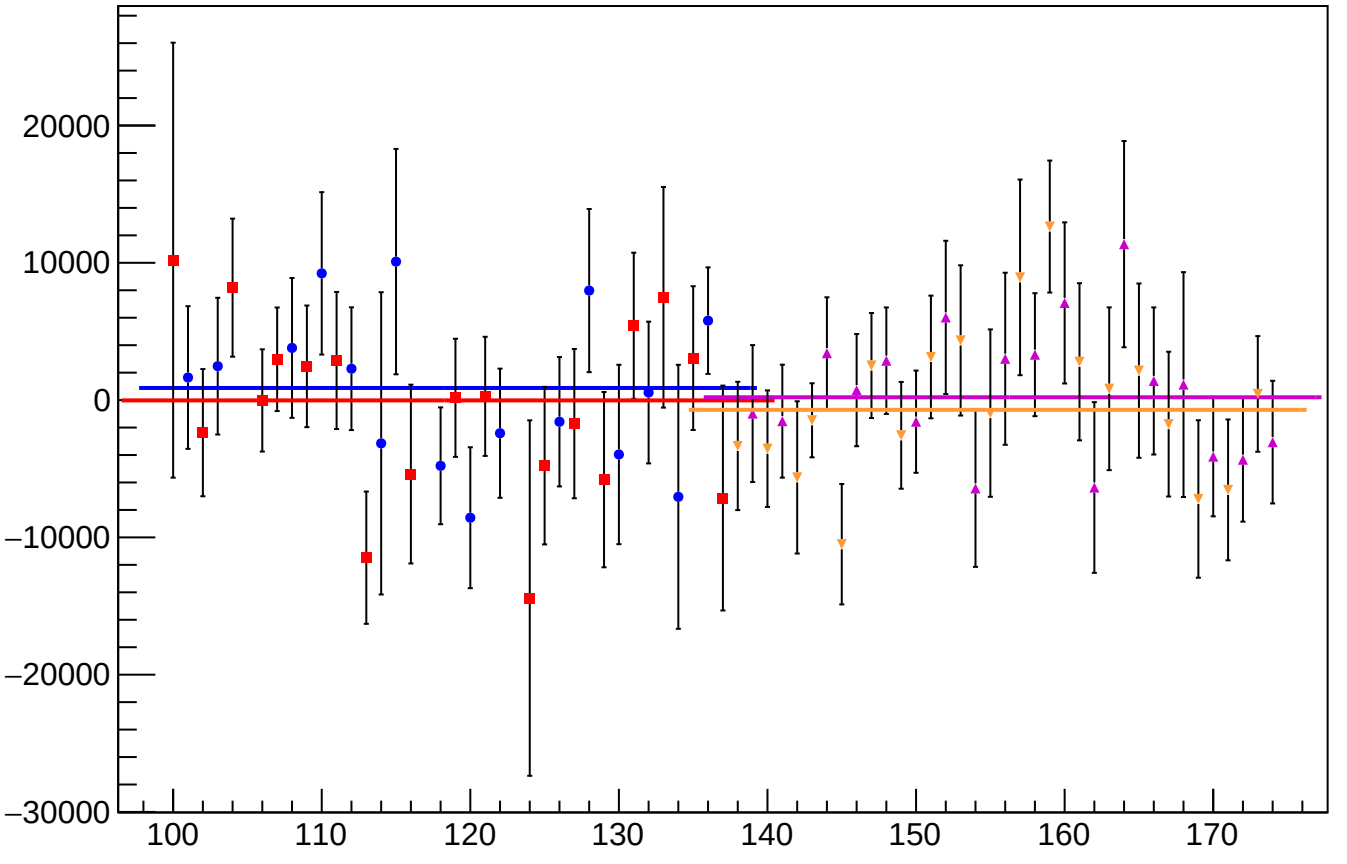
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1308.585+/-0.240 χ^2/NDF:35970.7/17

+ sign 1286.909+/-0.194 χ^2/NDF: 720453.0/34

All: 1295.874+/-0.138 χ^2/NDF: 974481.2/71

- 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: -708.288+/-1068.711 χ^2/NDF:22.0/18

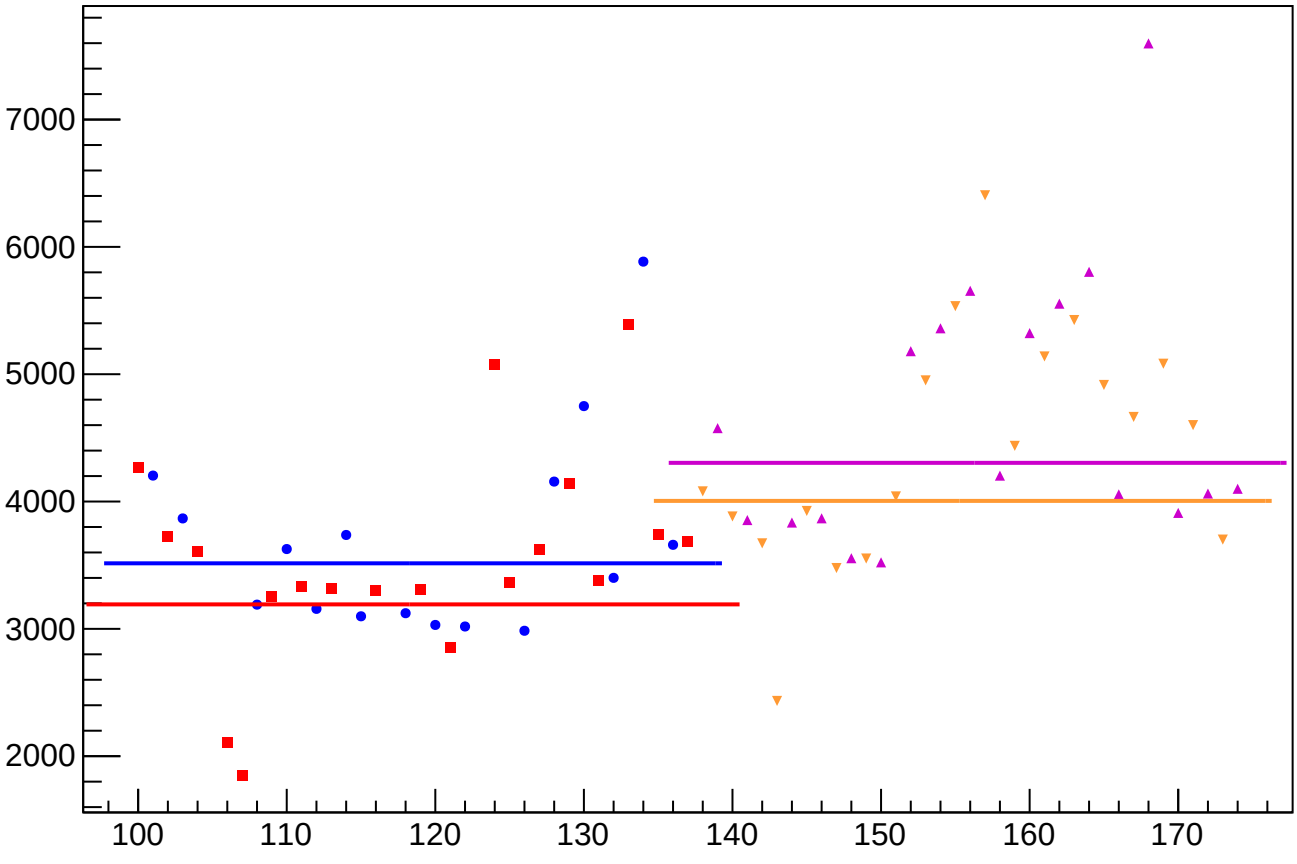
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 206.542+/-1139.189 χ^2/NDF:12.0/17

\+ sign -82.049+/-832.440 χ^2/NDF: 37.0/34

All: 9.075+/-586.403 χ^2/NDF: 65.9/71

\- 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: 4005.009+/-0.756 χ^2/NDF:1556290.4/18

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

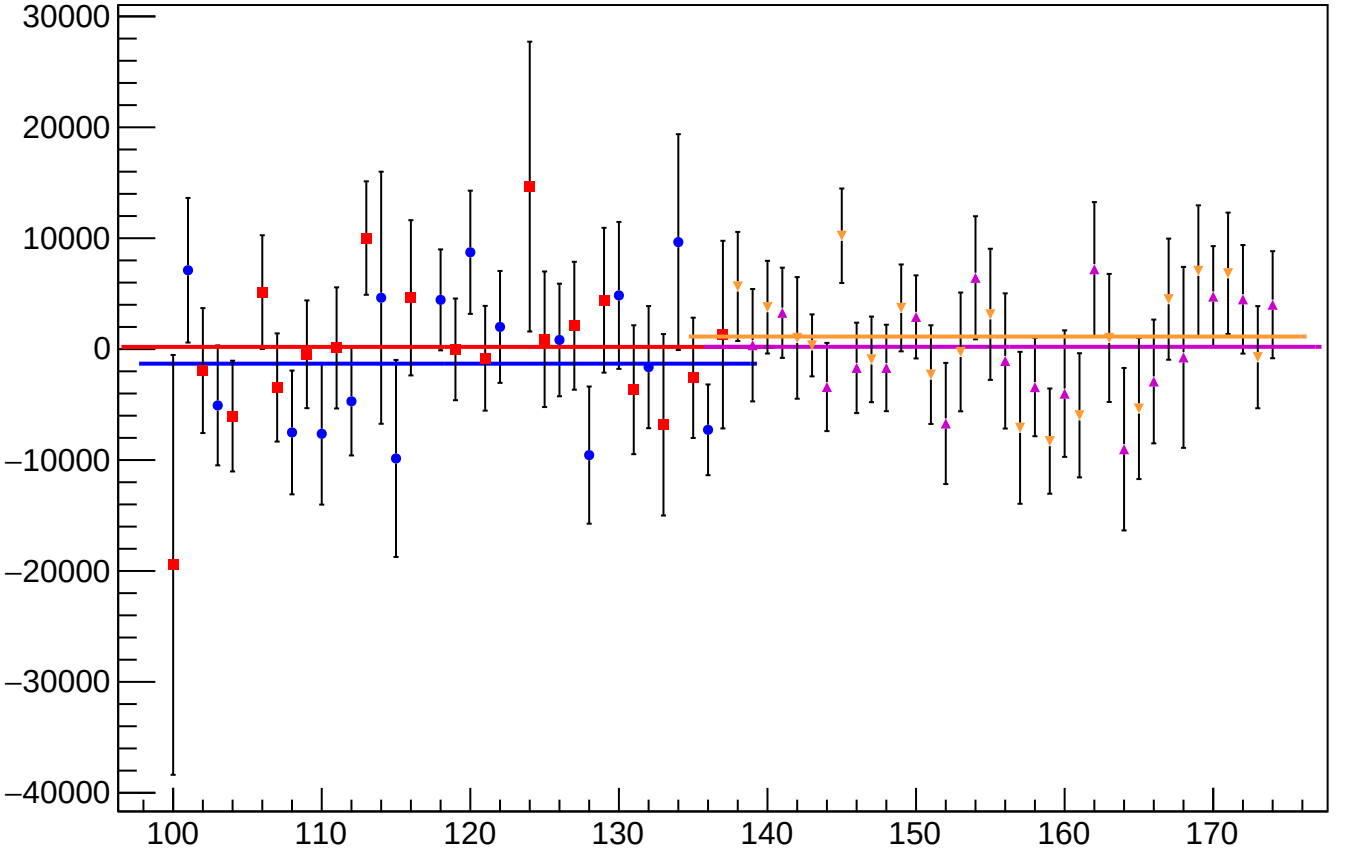
Left In: 4303.864+/-0.806 χ^2/NDF:1028474.8/17

+ sign 3812.193+/-0.589 χ^2/NDF: 2096908.5/34

All: 3794.421+/-0.415 χ^2/NDF: 4802470.1/71

- 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: 1135.281+/-1080.463 χ^2/NDF:18.1/18

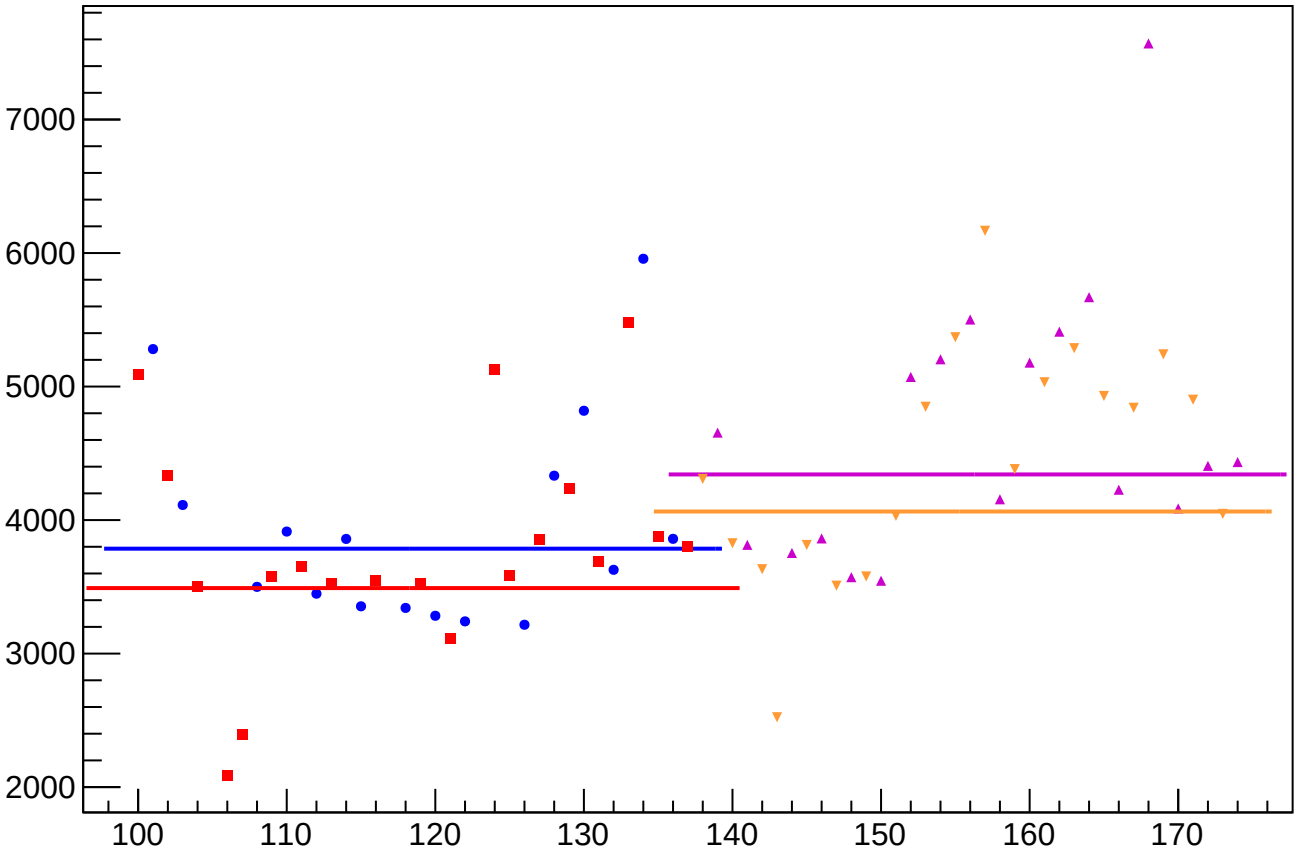
Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 210.269+/-1146.548 χ^2/NDF:12.1/17

\+ sign 248.148+/-862.416 χ^2/NDF: 37.5/34

All: 227.553+/-612.515 χ^2/NDF: 61.3/71

\- 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: 4064.112+/-0.764 χ^2/NDF:1402478.4/18

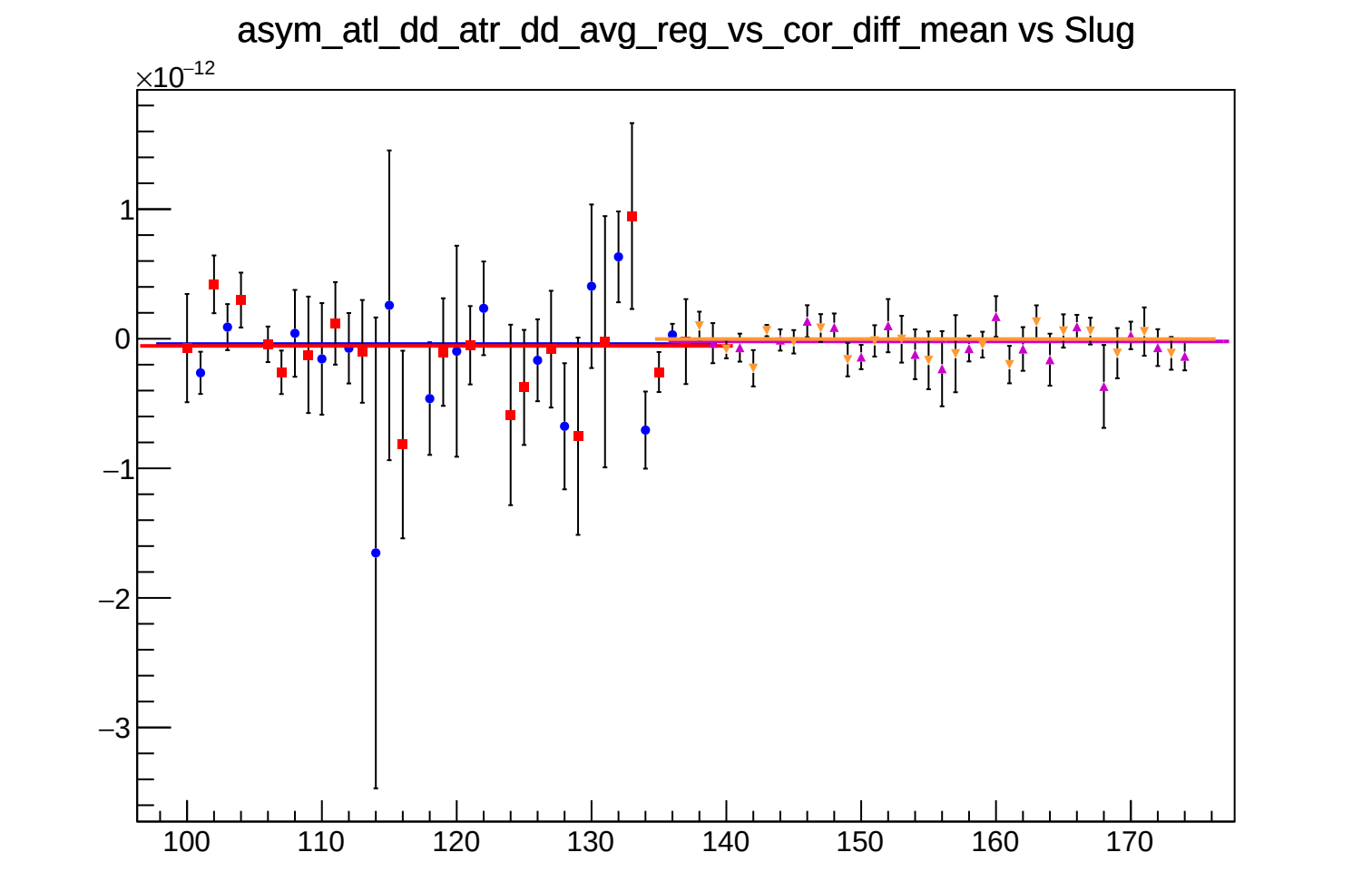
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4341.856+/-0.811 χ^2/NDF:933474.2/17

+ sign 3963.104+/-0.610 χ^2/NDF: 1833636.8/34

All: 3969.094+/-0.432 χ^2/NDF: 3828974.0/71

- 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:14.6/18

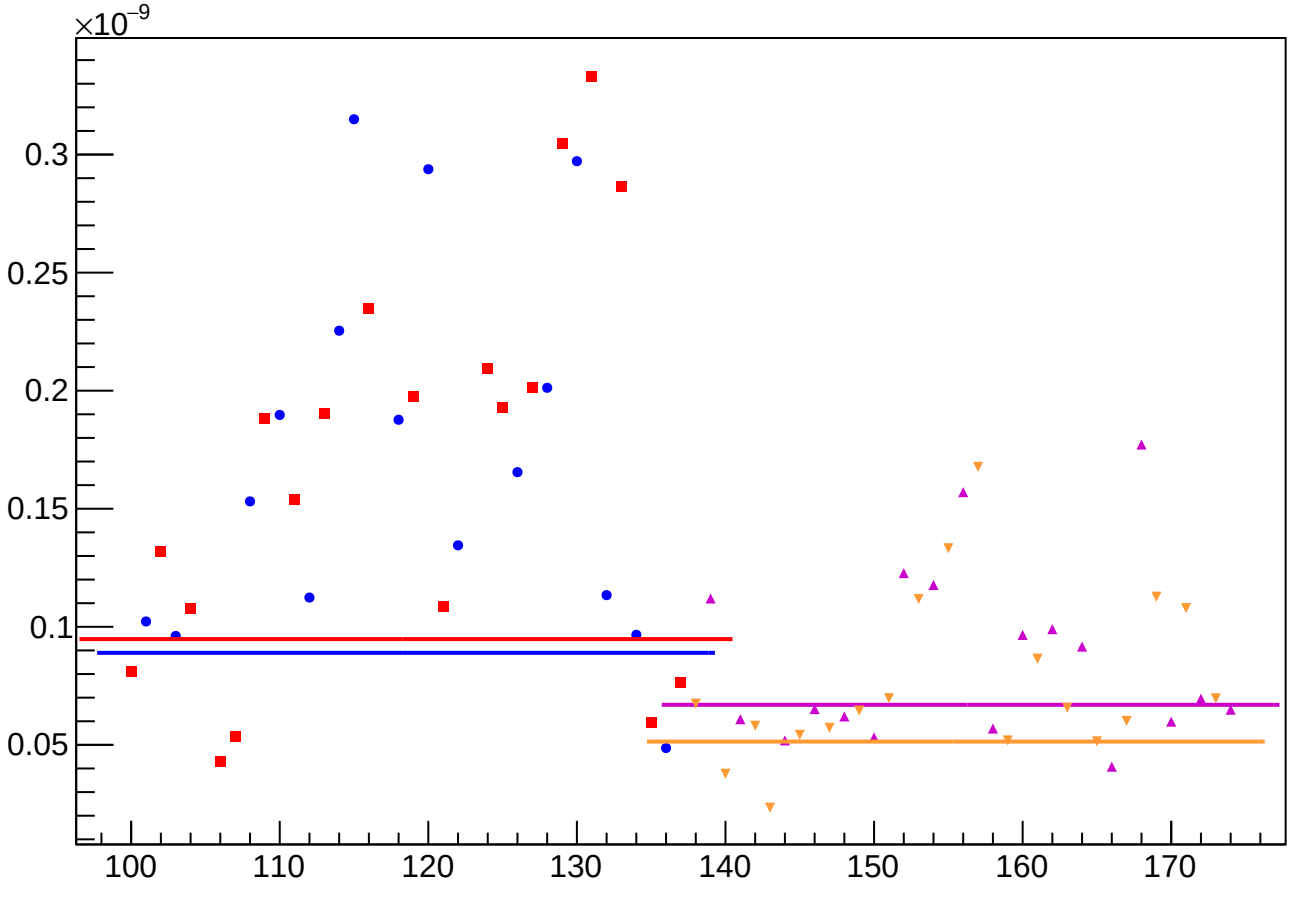
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/34

All: -0.000+/-0.000 χ^2/NDF: 60.2/71

- 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:2392370.8/18

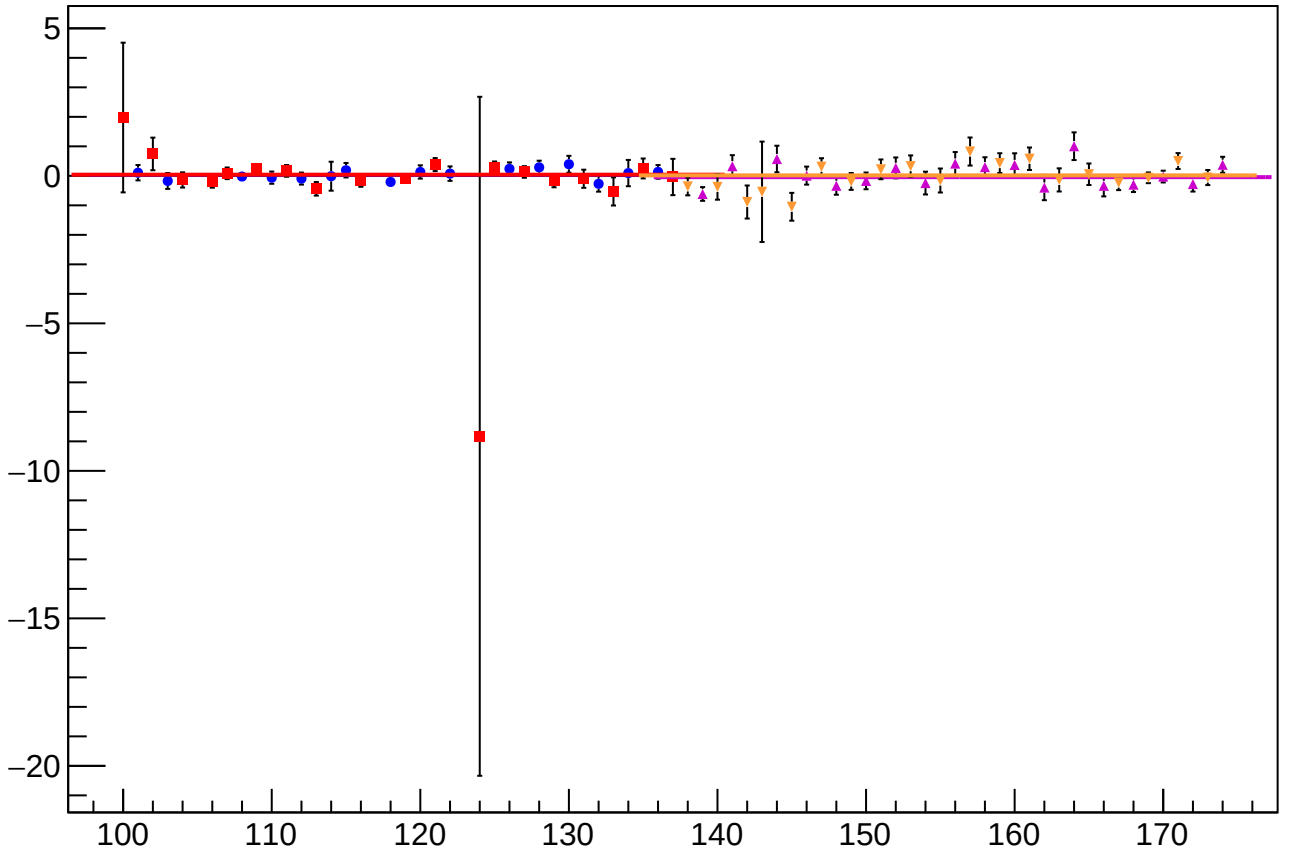
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1375901.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 4549650.7/34

All: 0.000+/-0.000 χ^2/NDF: 8349189.5/71

- 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: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

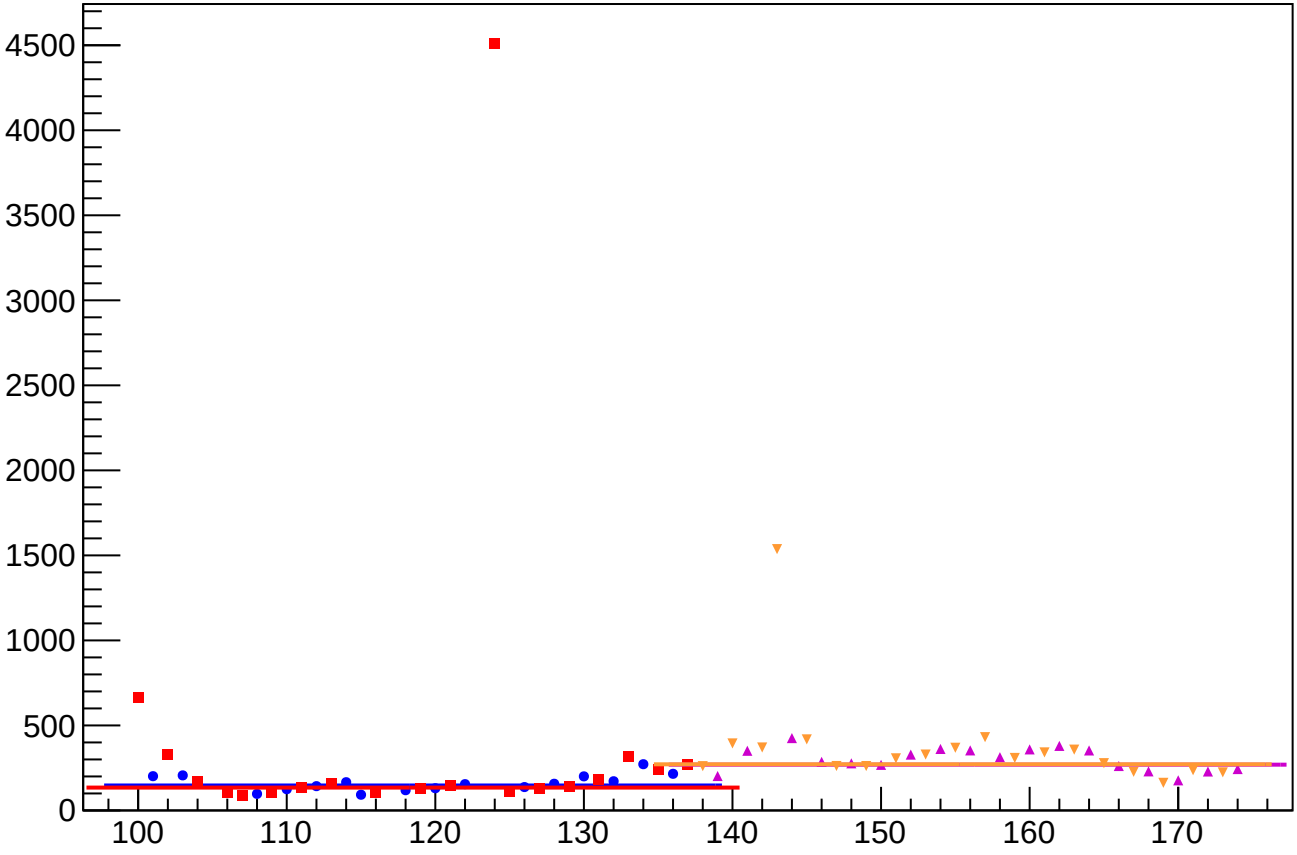
Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.024+/-0.046 χ^2/NDF: 33.7/34

All: 0.016+/-0.032 χ^2/NDF: 79.8/71

- sign 0.009+/-0.044 χ^2/NDF: 46.0/36

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 271.419+/-0.053 χ^2/NDF:3010380.1/18

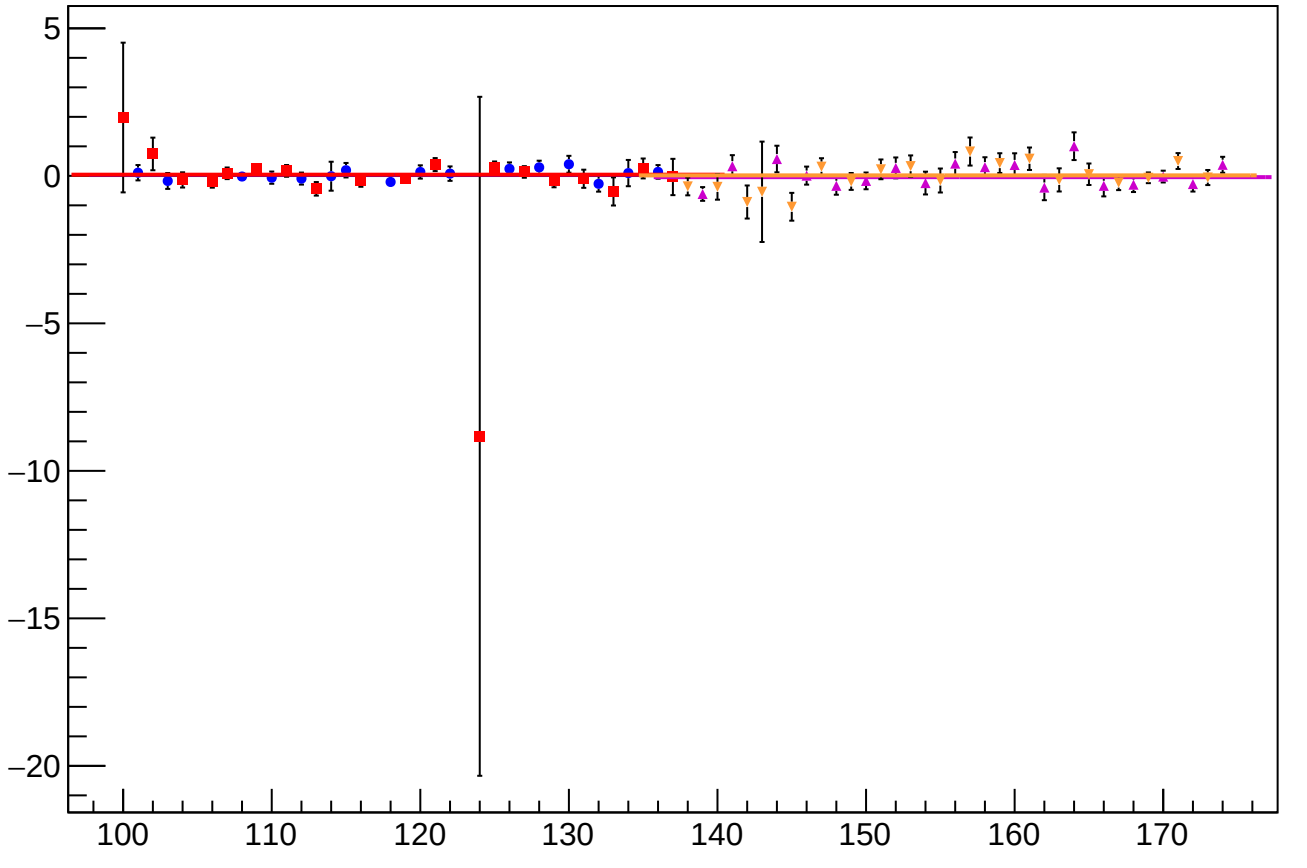
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

+ sign 193.513+/-0.032 χ^2/NDF: 7502838.2/34

All: 188.160+/-0.022 χ^2/NDF: 15185133.5/71

- 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: 0.016+/-0.075 χ^2/NDF:24.2/18

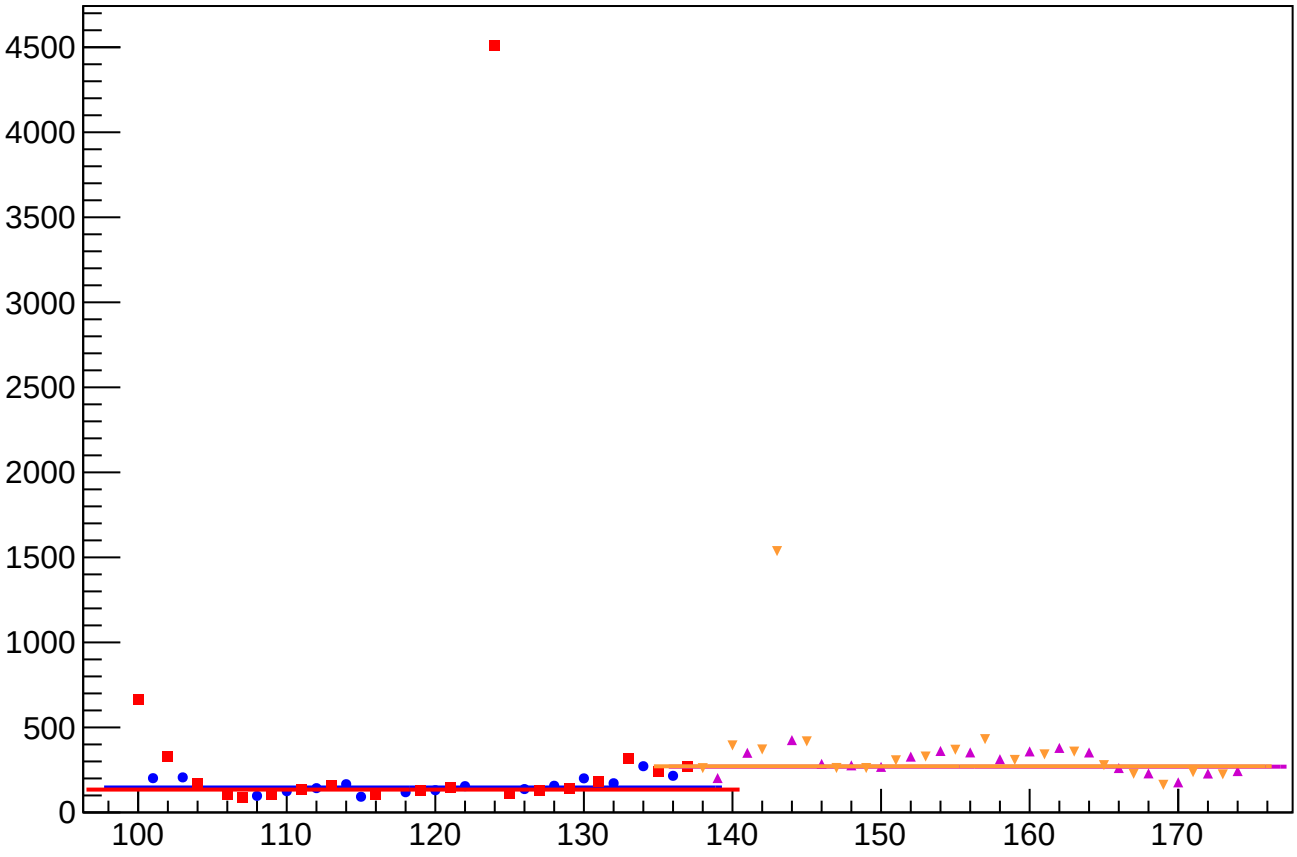
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.024+/-0.046 χ^2/NDF: 33.7/34

All: 0.016+/-0.032 χ^2/NDF: 79.8/71

- 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: 271.419+/-0.053 χ^2/NDF:3010380.1/18

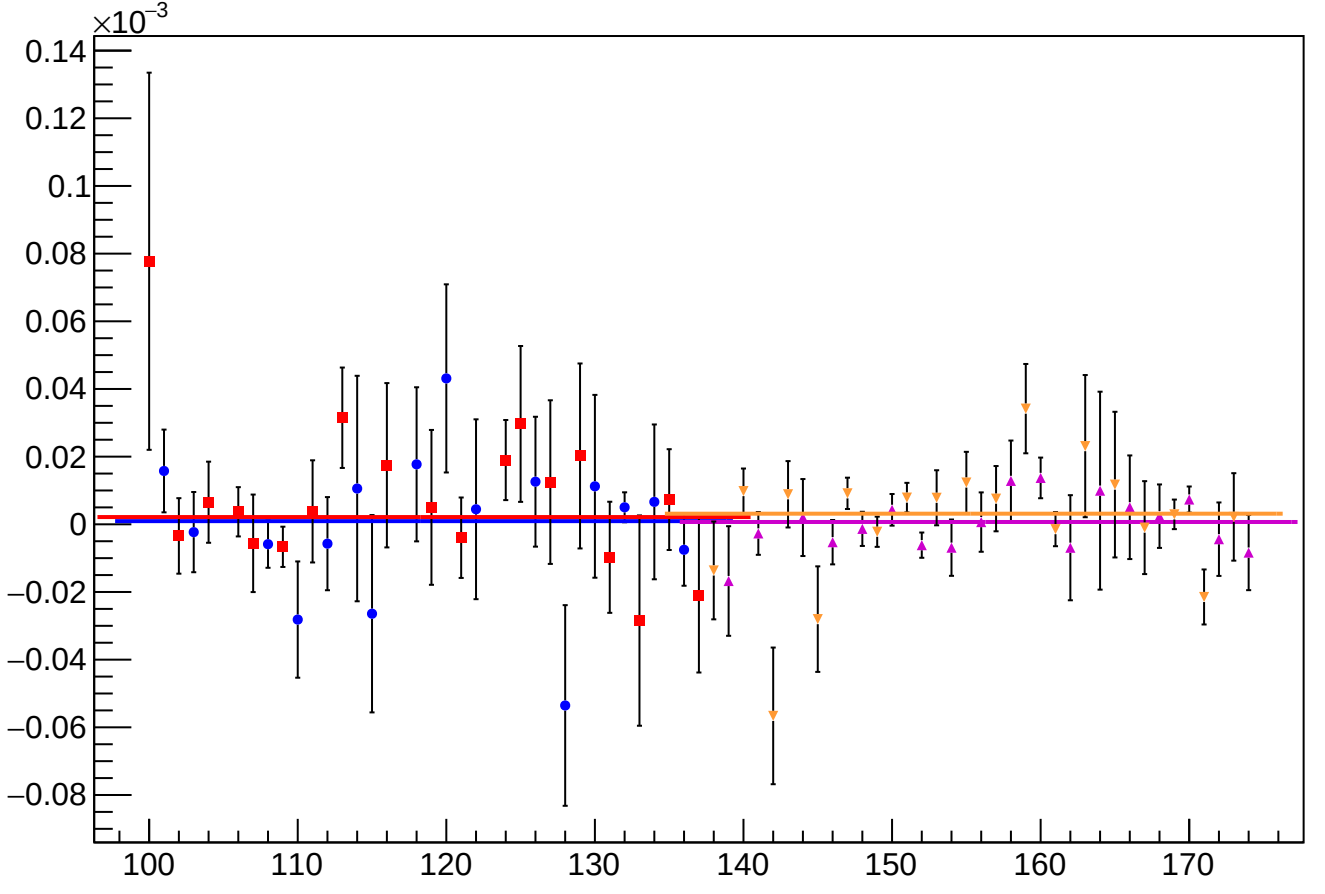
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

+ sign 193.513+/-0.032 χ^2/NDF: 7502838.2/34

All: 188.160+/-0.022 χ^2/NDF: 15185133.5/71

- 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:38.0/18

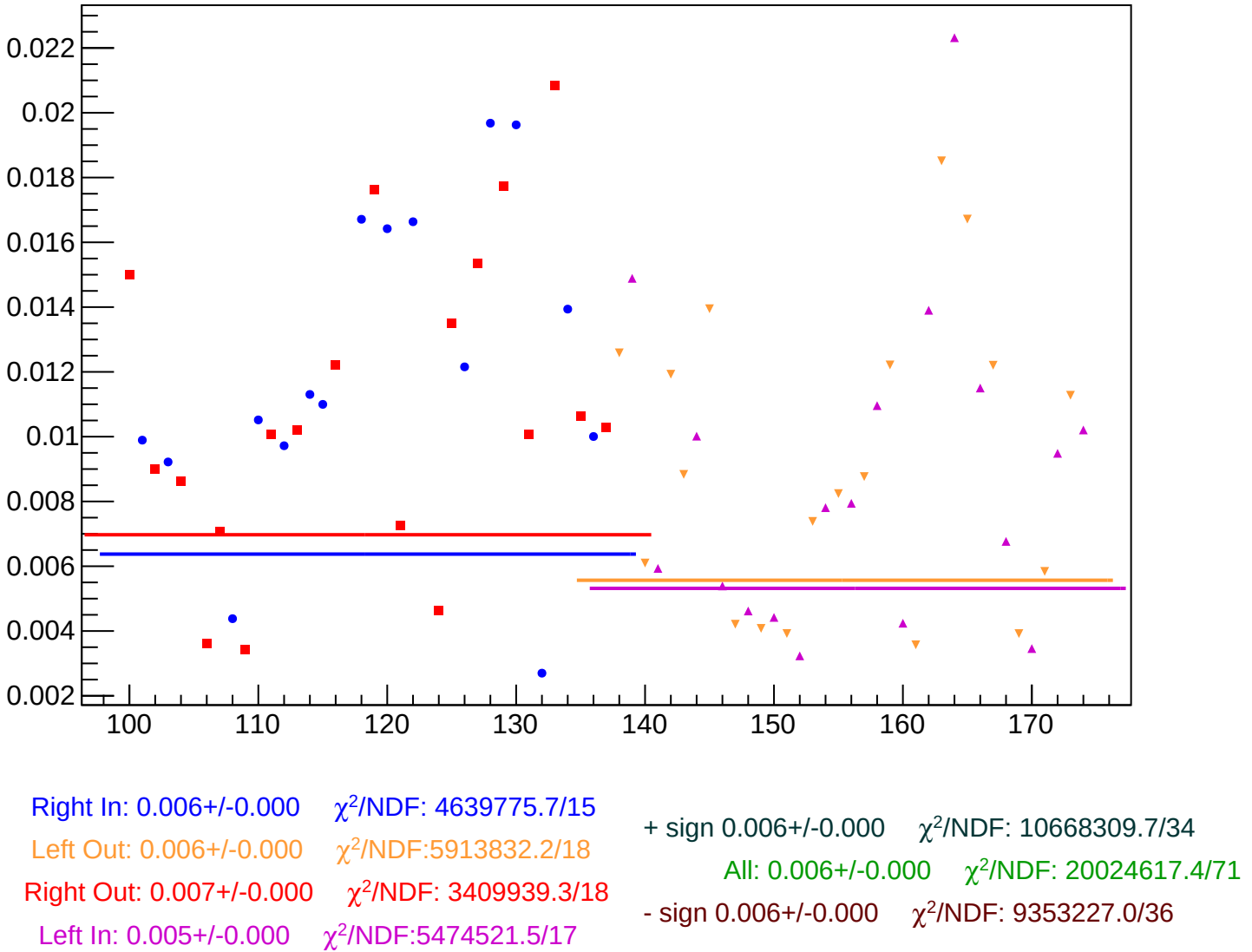
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

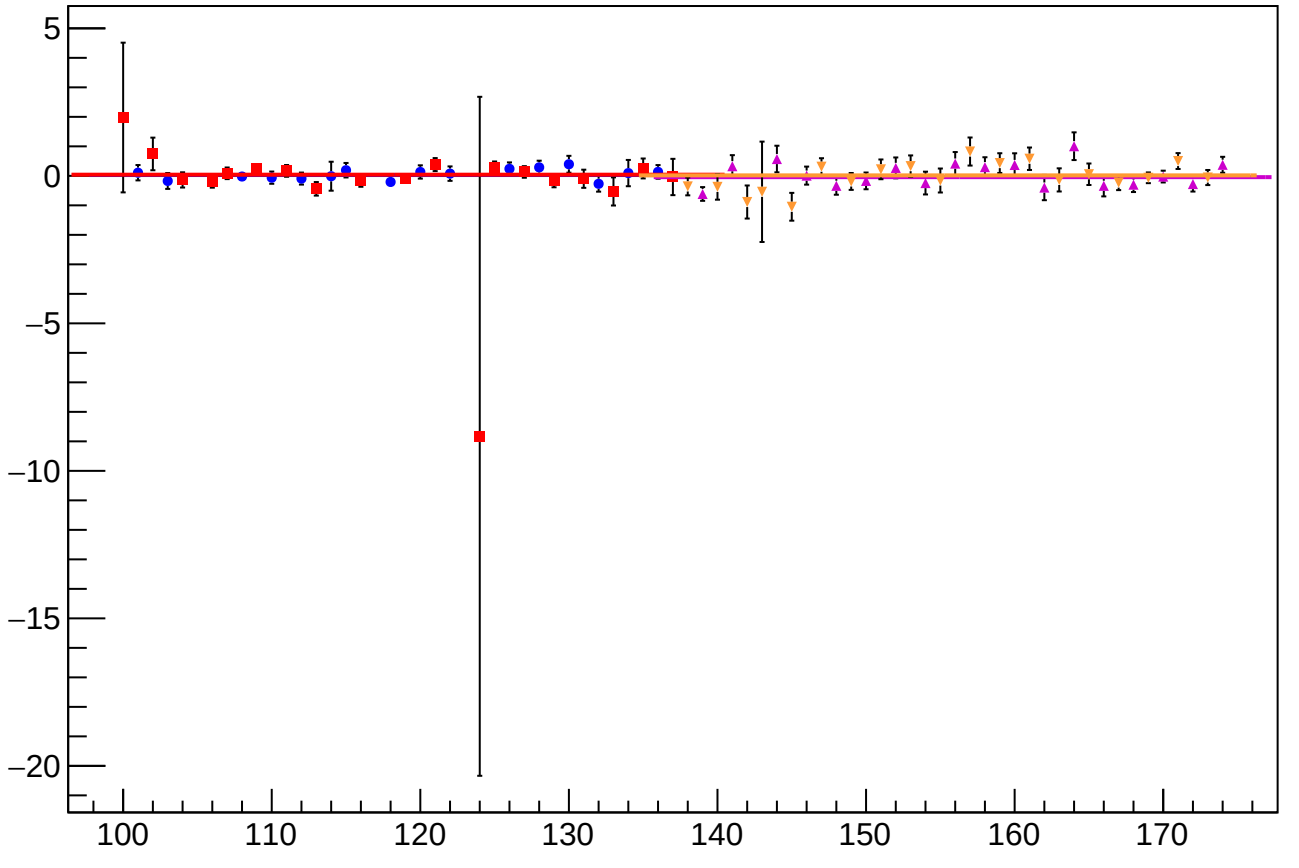
Left In: 0.000+/-0.000 χ^2/NDF:17.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 53.3/34

All: 0.000+/-0.000 χ^2/NDF: 87.4/71

- 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:5913832.2/18
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: 10668309.7/34
All: 0.006+/-0.000 χ²/NDF: 20024617.4/71
- sign 0.006+/-0.000 χ²/NDF: 9353227.0/36



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.016+/-0.075 χ^2/NDF:24.2/18

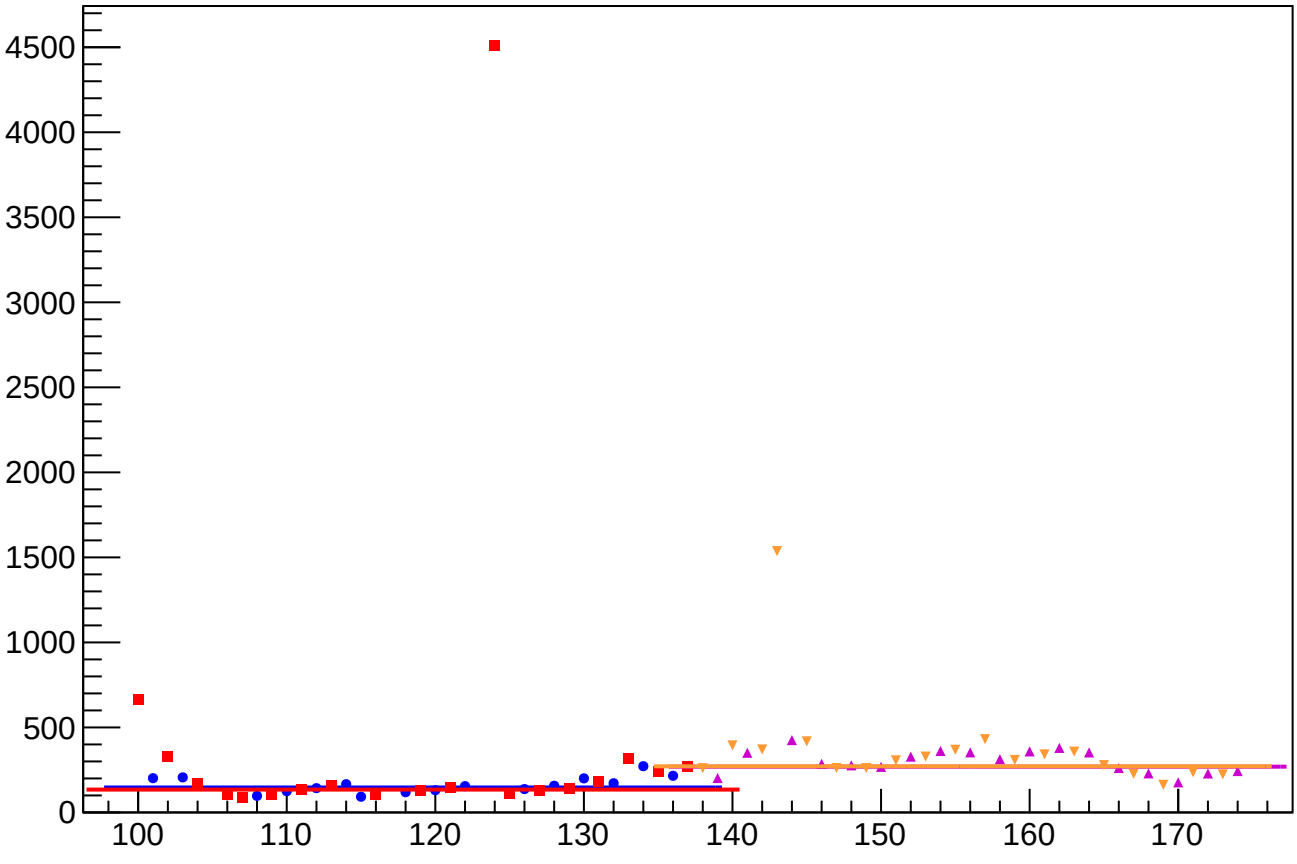
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.024+/-0.046 χ^2/NDF: 33.7/34

All: 0.016+/-0.032 χ^2/NDF: 79.8/71

- 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: 271.419+/-0.053 χ^2/NDF:3010520.3/18

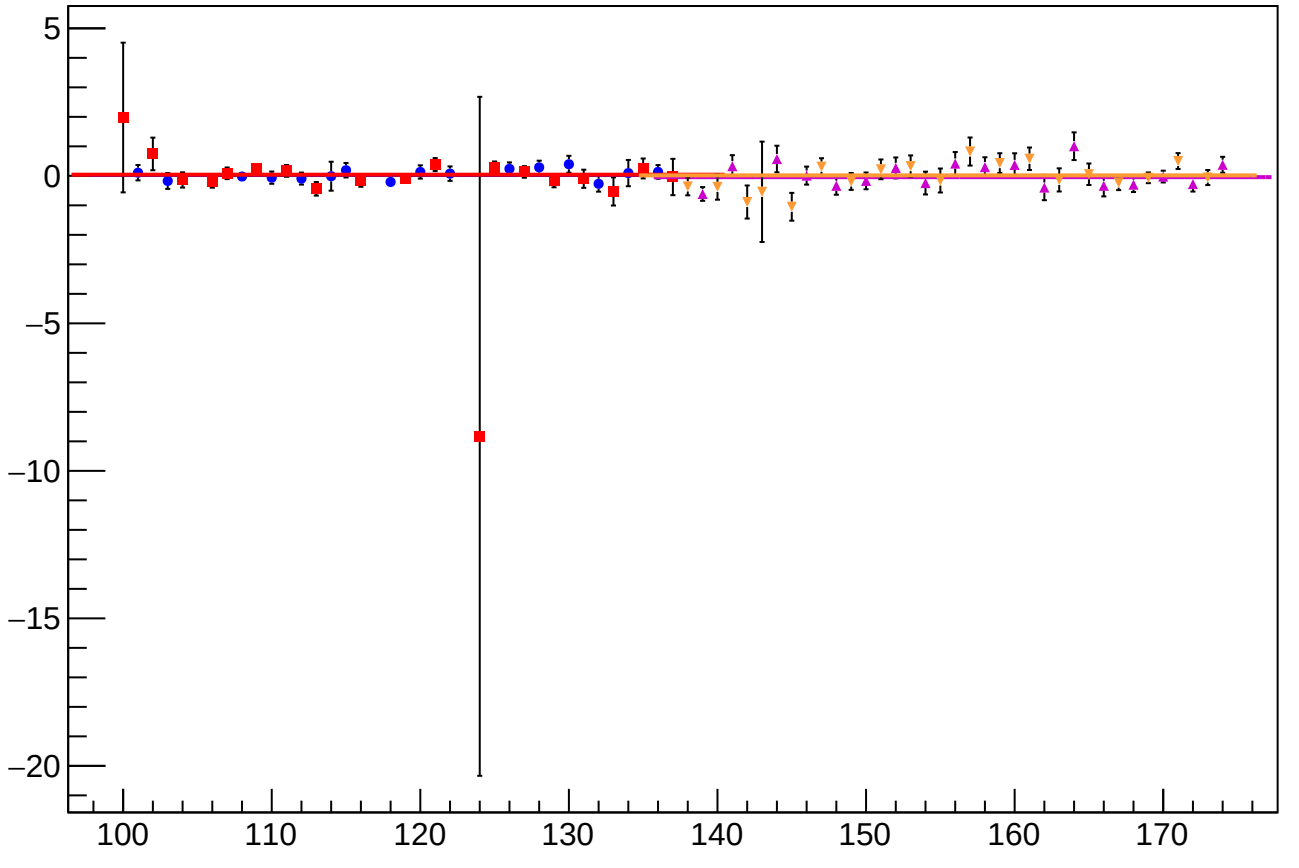
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

+ sign 193.513+/-0.032 χ^2/NDF: 7502921.5/34

All: 188.160+/-0.022 χ^2/NDF: 15185143.9/71

- sign 183.236+/-0.031 χ^2/NDF: 7629378.7/36



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.016+/-0.075 χ^2/NDF:24.2/18

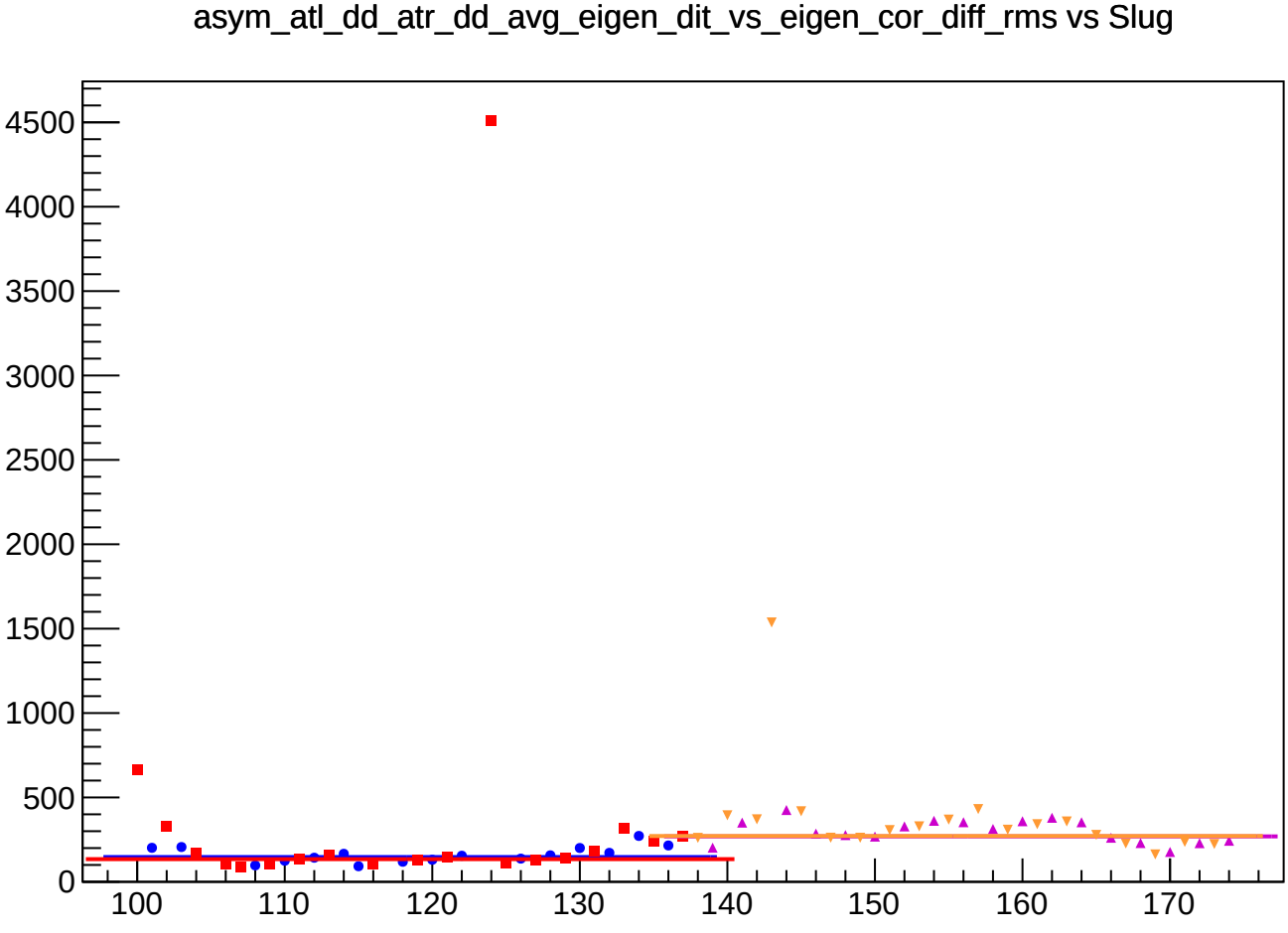
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.024+/-0.046 χ^2/NDF: 33.7/34

All: 0.016+/-0.032 χ^2/NDF: 79.8/71

- 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: 271.419+/-0.053 χ^2/NDF:3010520.3/18

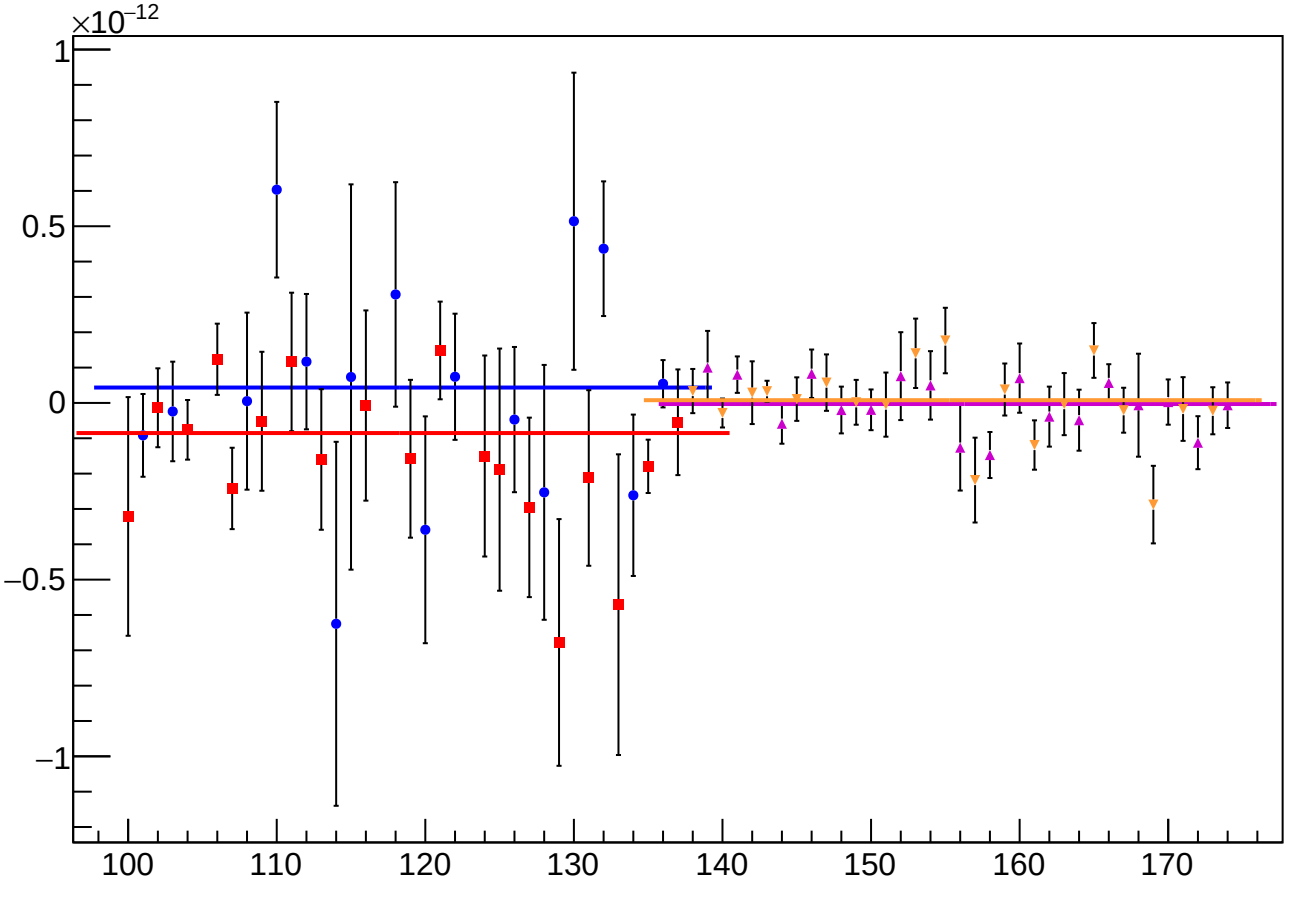
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

+ sign 193.513+/-0.032 χ^2/NDF: 7502921.5/34

All: 188.160+/-0.022 χ^2/NDF: 15185143.9/71

- 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:25.4/18

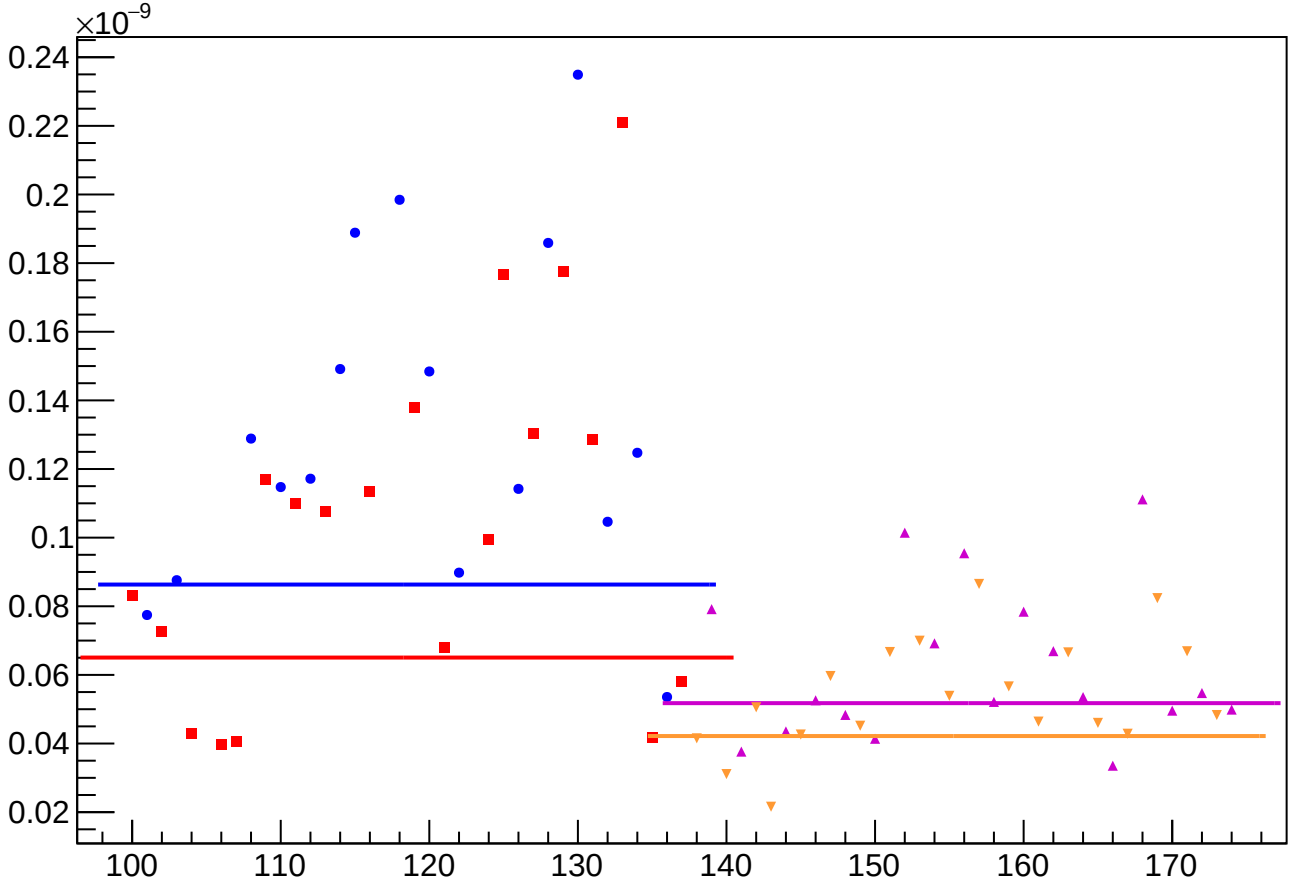
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 45.0/34

All: -0.000+/-0.000 χ^2/NDF: 87.4/71

- 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:2520796.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

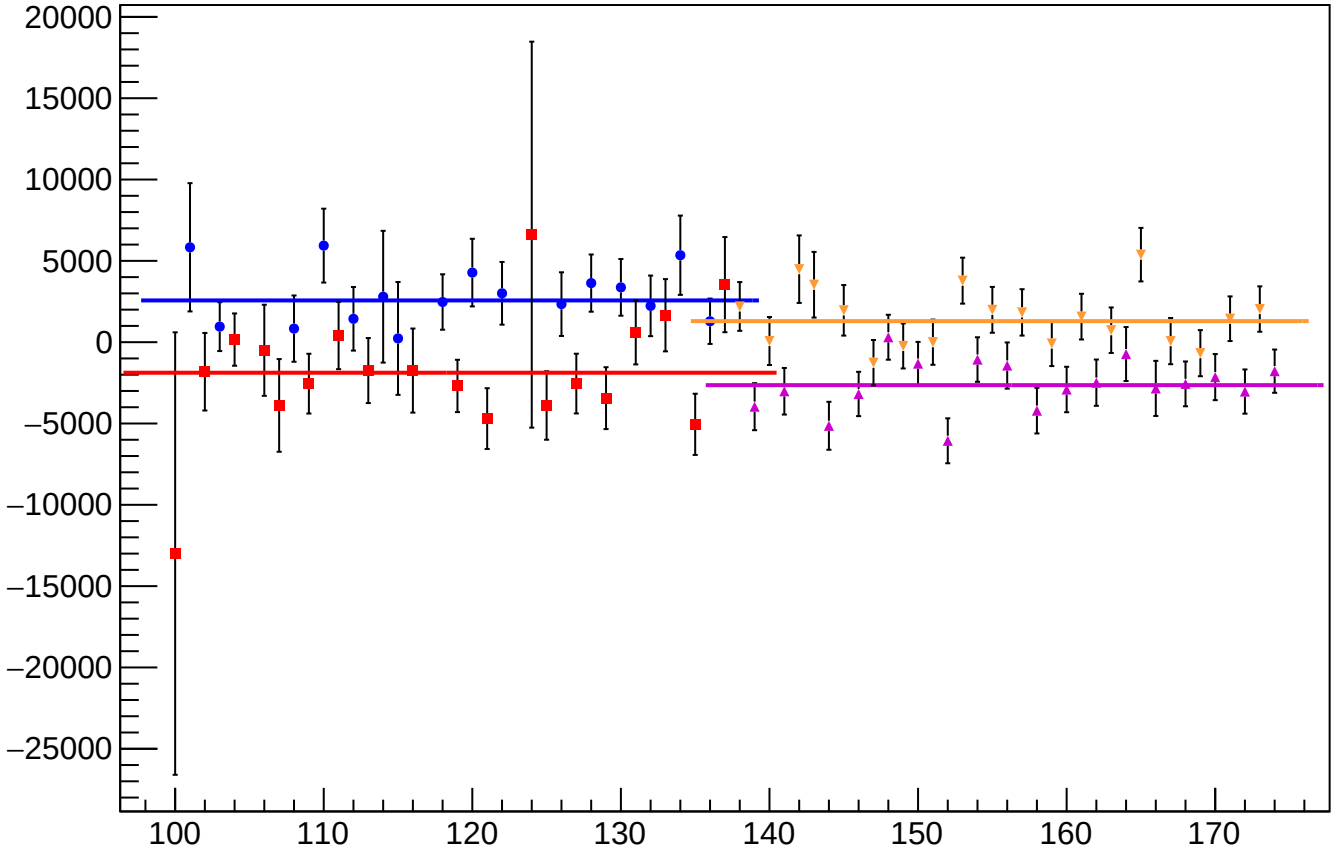
Left In: 0.000+/-0.000 χ^2/NDF:1834286.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 5992059.0/34

All: 0.000+/-0.000 χ^2/NDF: 10488774.5/71

- 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: 1295.241+/-337.362 χ^2/NDF:24.1/18

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

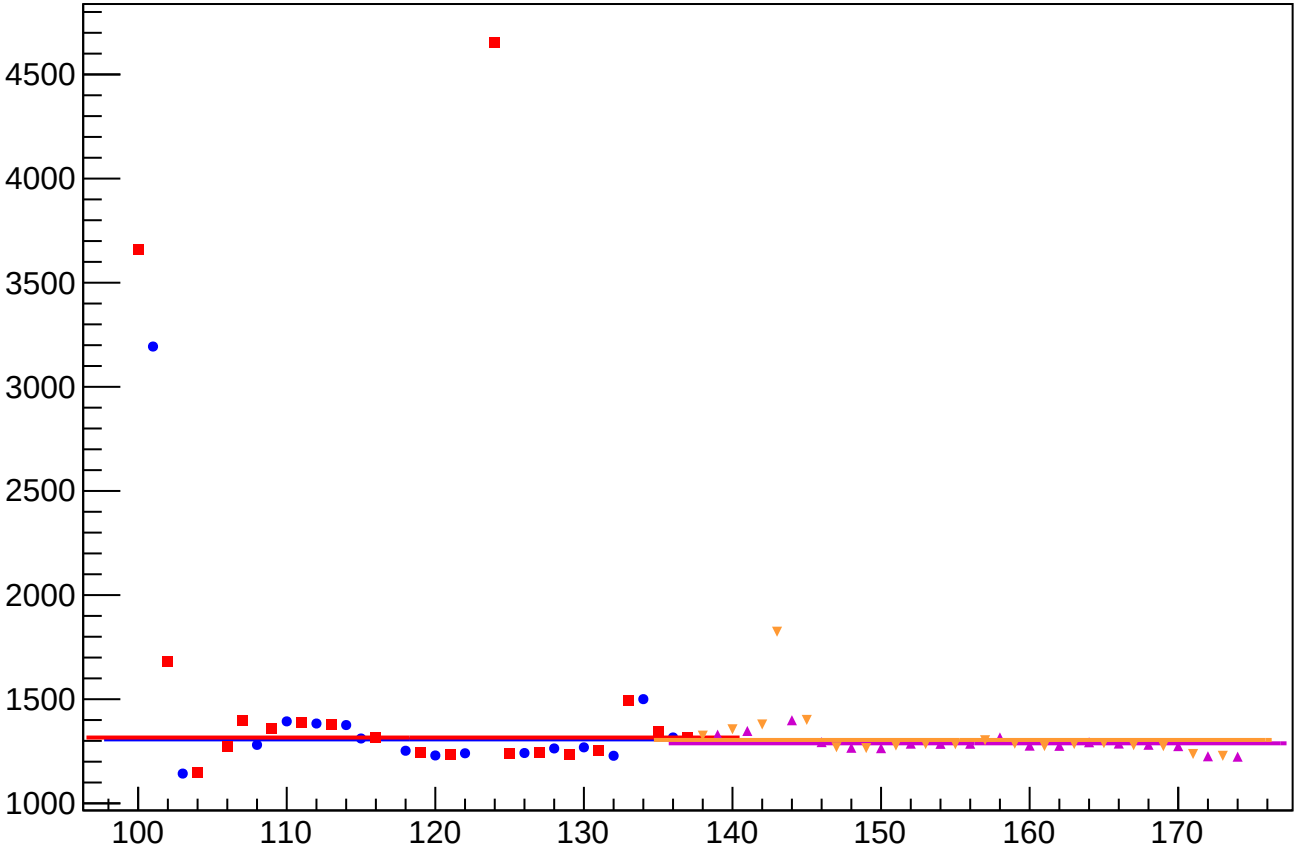
Left In: -2641.873+/-334.098 χ^2/NDF:20.9/17

+ sign 1698.348+/-278.839 χ^2/NDF: 37.6/34

All: -366.634+/-196.471 χ^2/NDF: 188.6/71

- 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: 1304.426+/-0.239 χ^2/NDF:164113.5/18

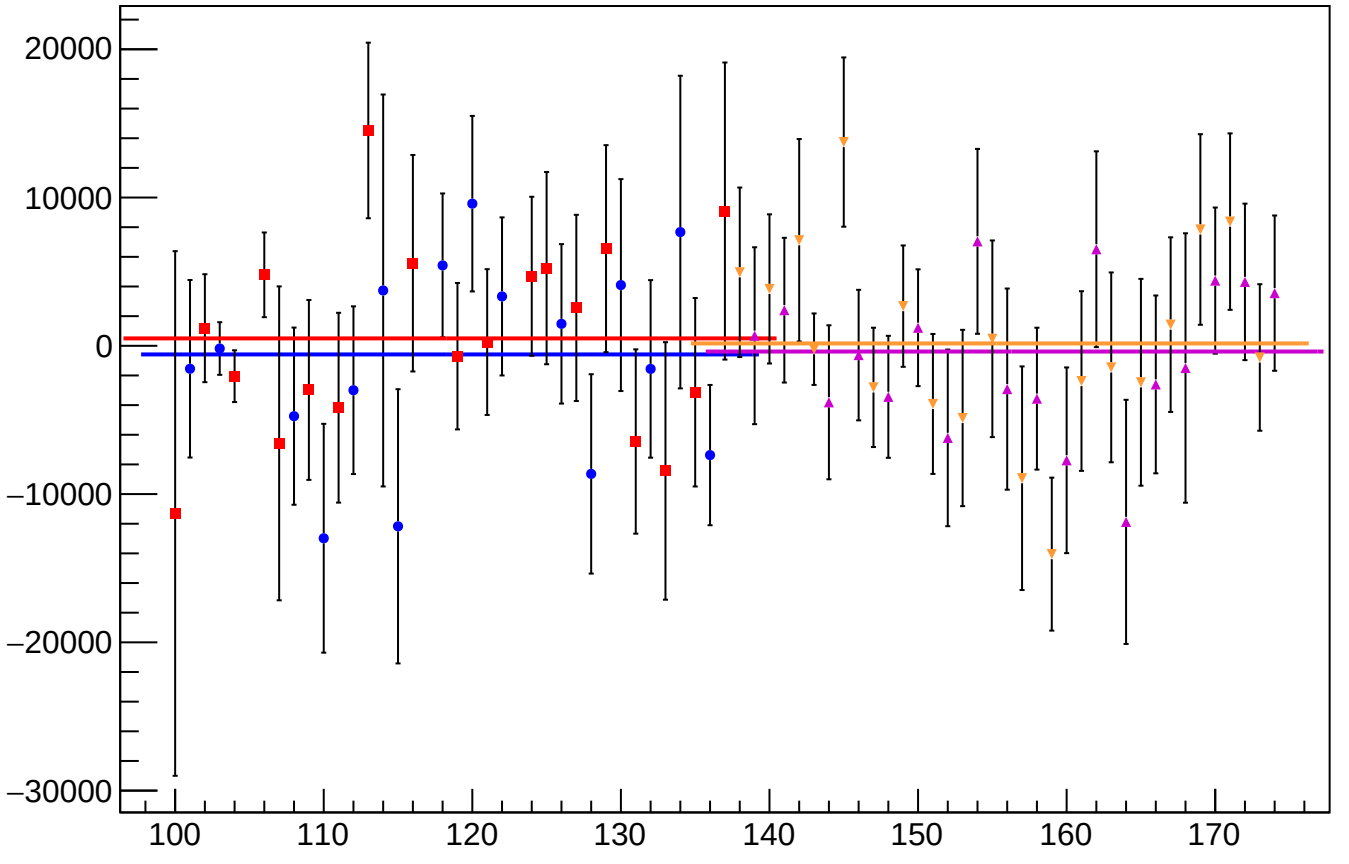
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1288.212+/-0.236 χ^2/NDF:27701.4/17

+ sign 1305.263+/-0.197 χ^2/NDF: 680401.4/34

All: 1301.073+/-0.139 χ^2/NDF: 1039768.7/71

- 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: 160.328+/-1146.068 χ^2/NDF:23.2/18

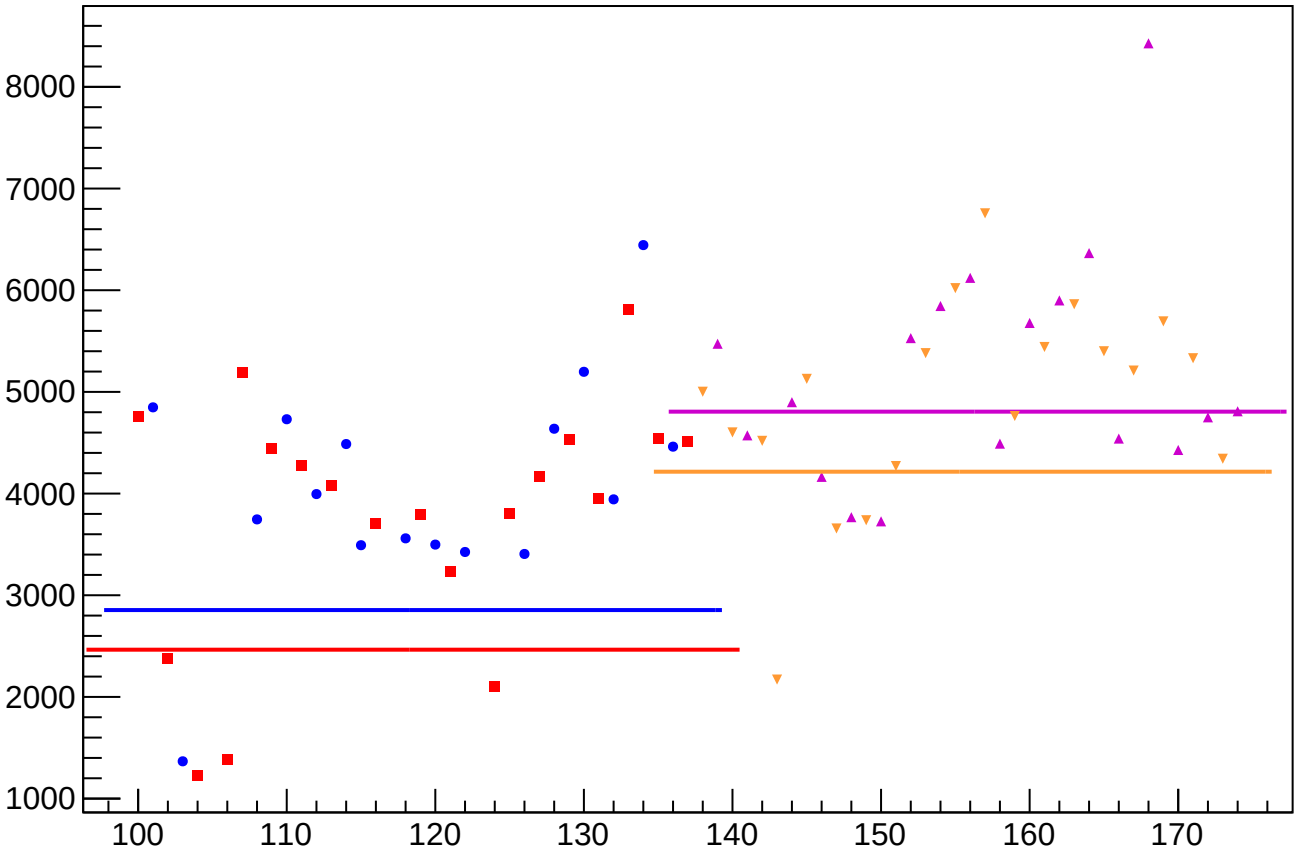
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -386.685+/-1271.793 χ^2/NDF:11.3/17

\+ sign -195.890+/-826.440 χ^2/NDF: 38.1/34

All: -25.815+/-579.276 χ^2/NDF: 67.5/71

\- 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: 4215.162+/-0.810 χ^2/NDF:2590673.5/18

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

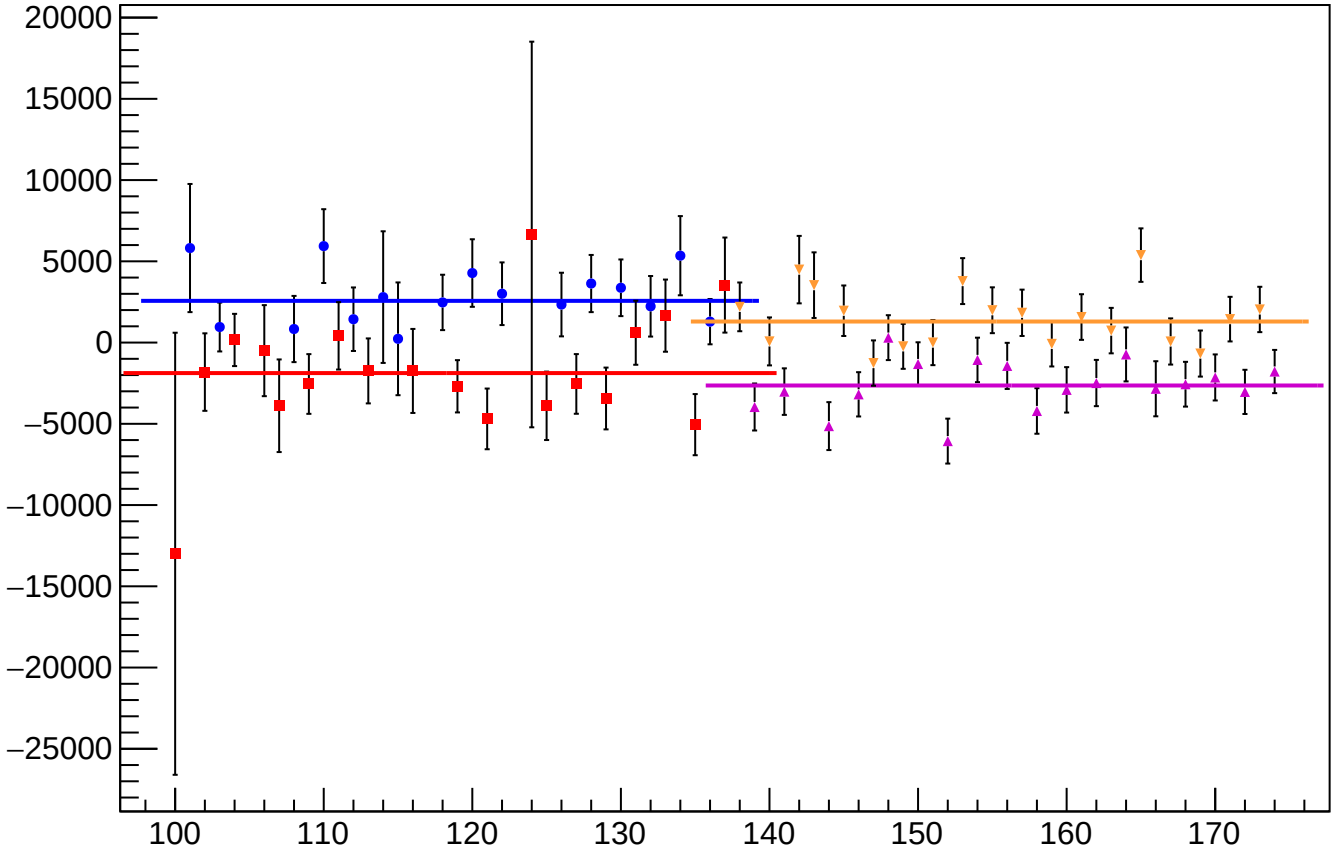
Left In: 4805.694+/-0.899 χ^2/NDF:1018175.9/17

+ sign 3561.946+/-0.584 χ^2/NDF: 6849063.1/34

All: 3489.412+/-0.410 χ^2/NDF: 15266620.5/7

- 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: 1295.181+/-337.362 χ^2/NDF:24.1/18

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

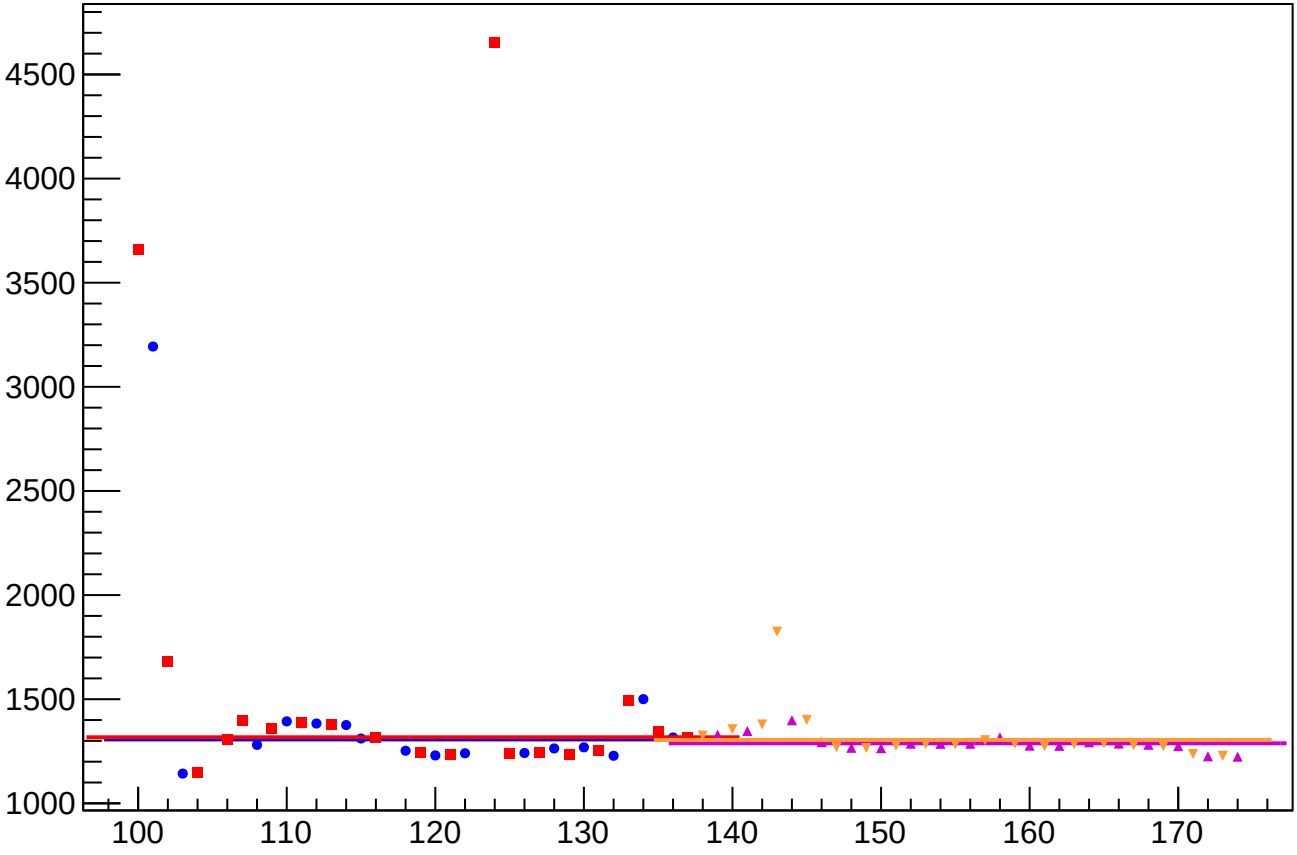
Left In: -2641.889+/-334.098 χ^2/NDF:20.9/17

+ sign 1698.218+/-278.839 χ^2/NDF: 37.6/34

All: -366.664+/-196.471 χ^2/NDF: 188.6/71

- 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: 1304.426+/-0.239 χ^2/NDF:164113.5/18

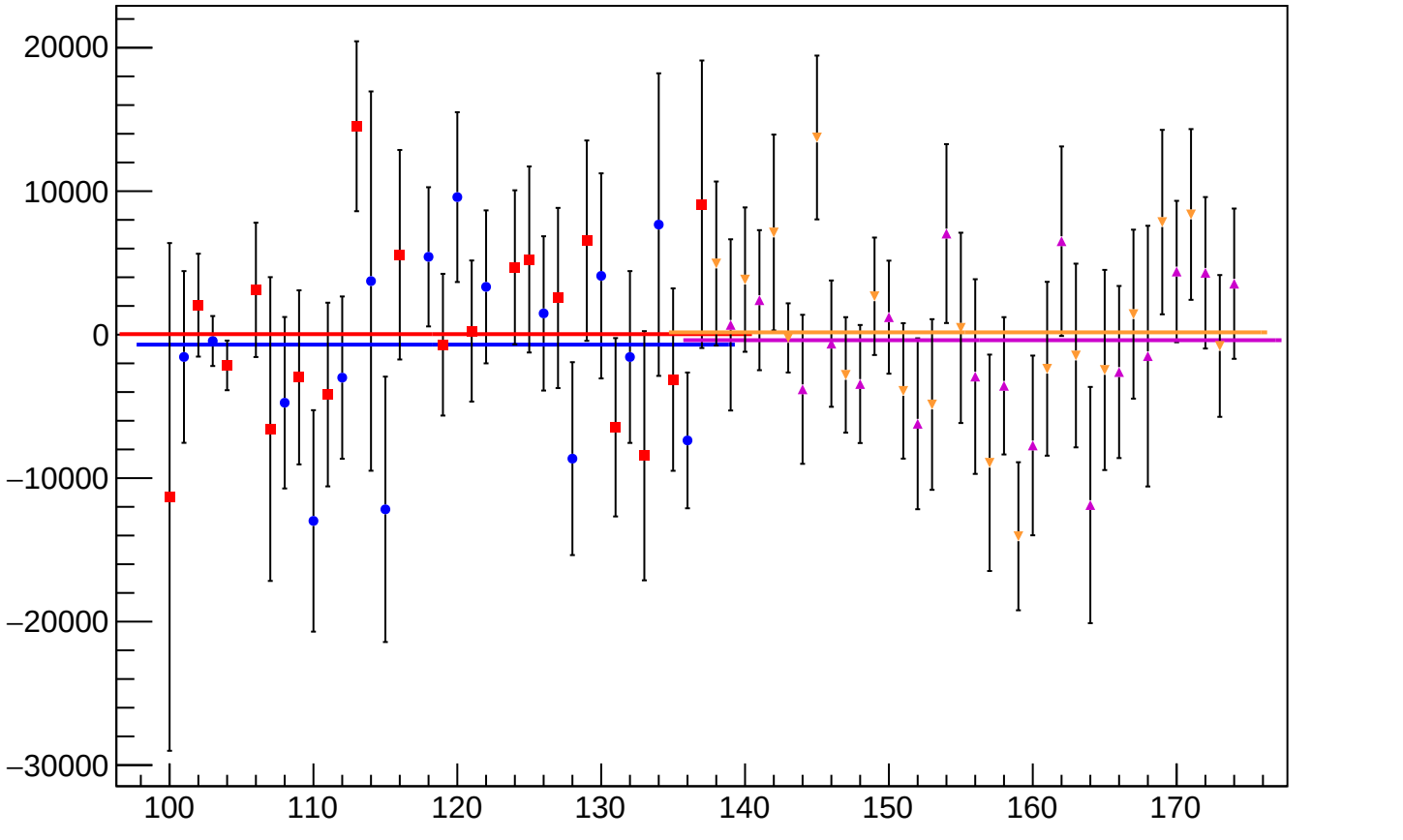
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1288.212+/-0.236 χ^2/NDF:27701.4/17

+ sign 1305.263+/-0.197 χ^2/NDF: 680402.9/34

All: 1301.247+/-0.139 χ^2/NDF: 1039559.4/71

- 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: 160.306+/-1146.064 χ^2/NDF:23.2/18

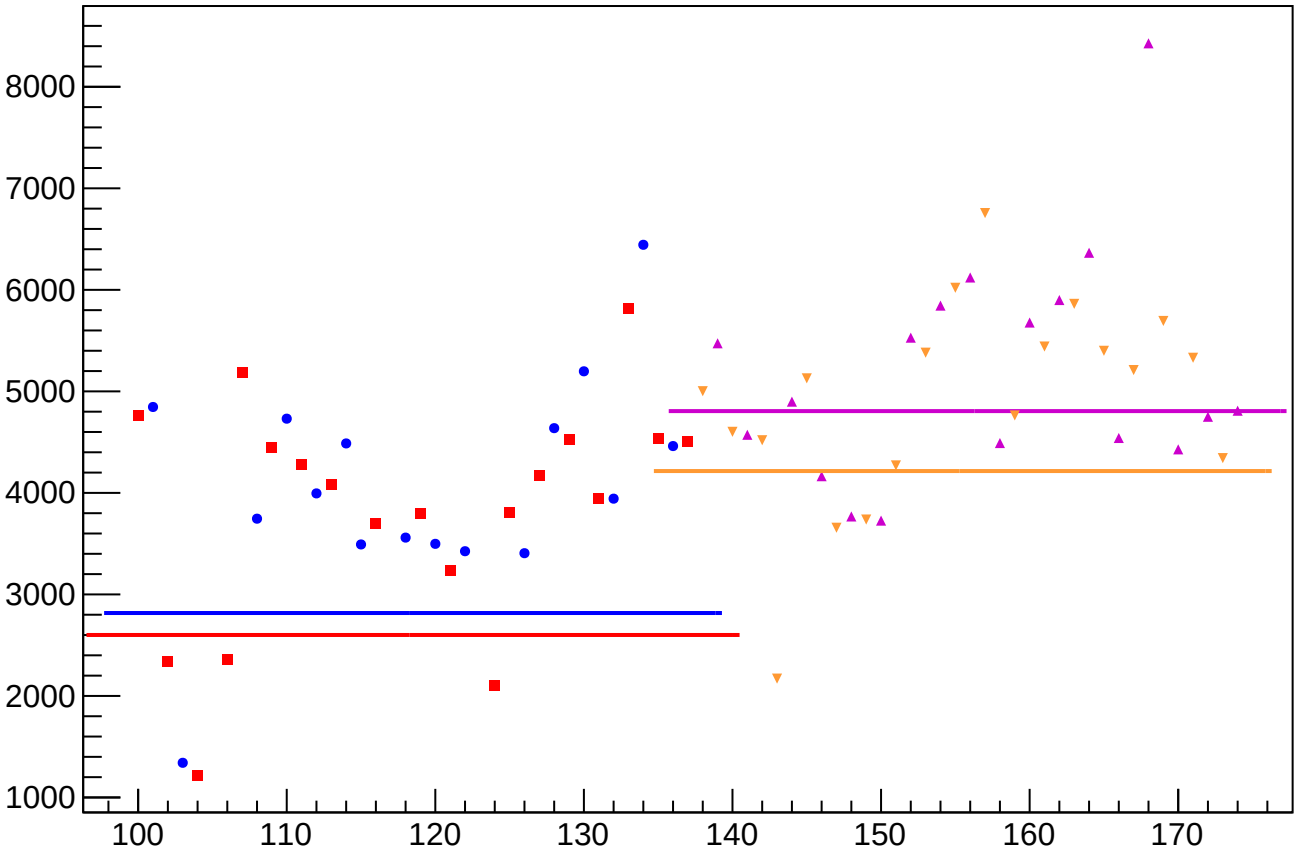
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -386.746+/-1271.793 χ^2/NDF:11.3/17

+ sign -254.112+/-822.947 χ^2/NDF: 38.1/34

All: -199.857+/-584.807 χ^2/NDF: 65.5/71

- 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: 4215.141+/-0.810 χ^2/NDF:2590753.7/18

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

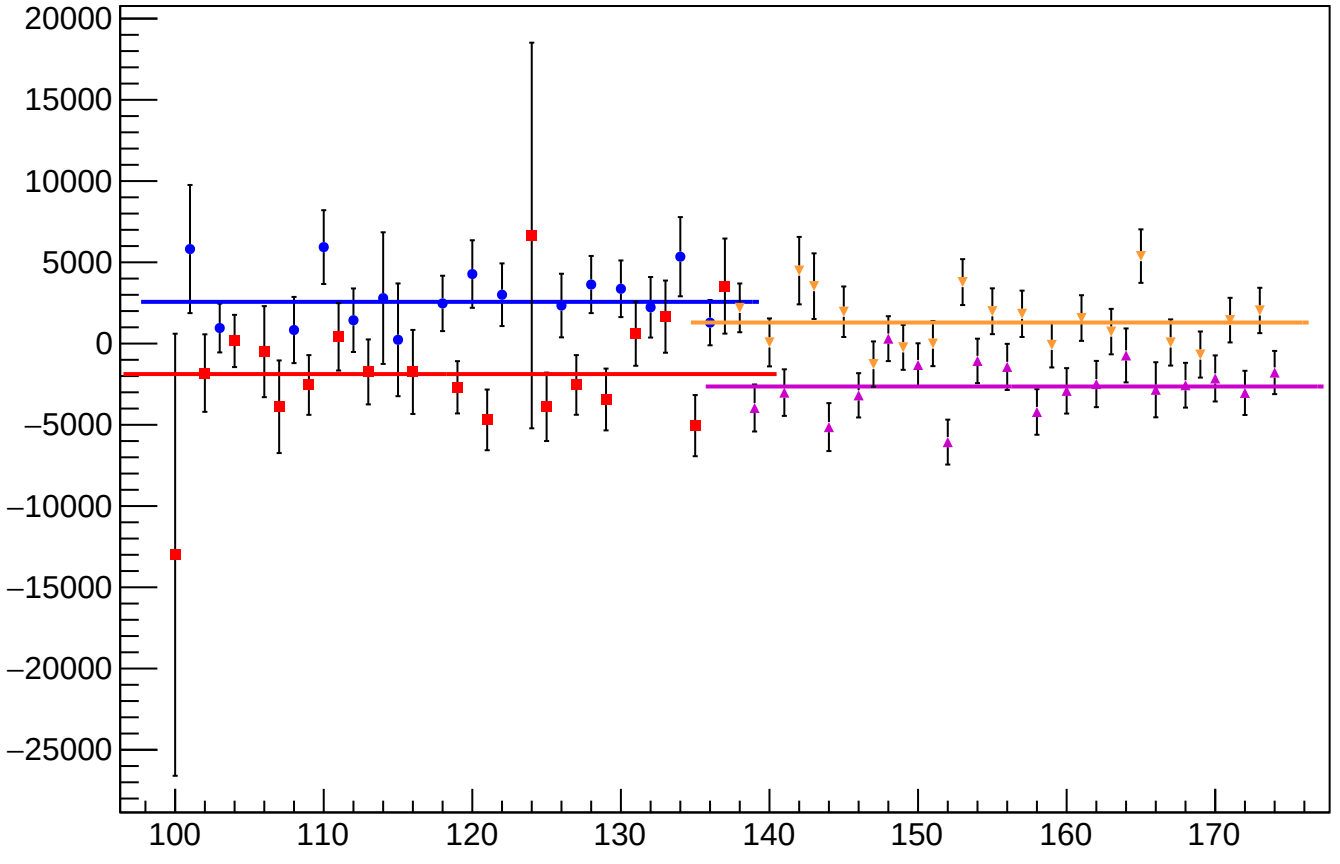
Left In: 4805.693+/-0.899 χ^2/NDF:1018183.6/17

\+ sign 3537.798+/-0.582 χ^2/NDF: 7040569.4/34

All: 3540.104+/-0.414 χ^2/NDF: 14584037.7/7

\- 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: 1295.181+/-337.362 χ^2/NDF:24.1/18

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

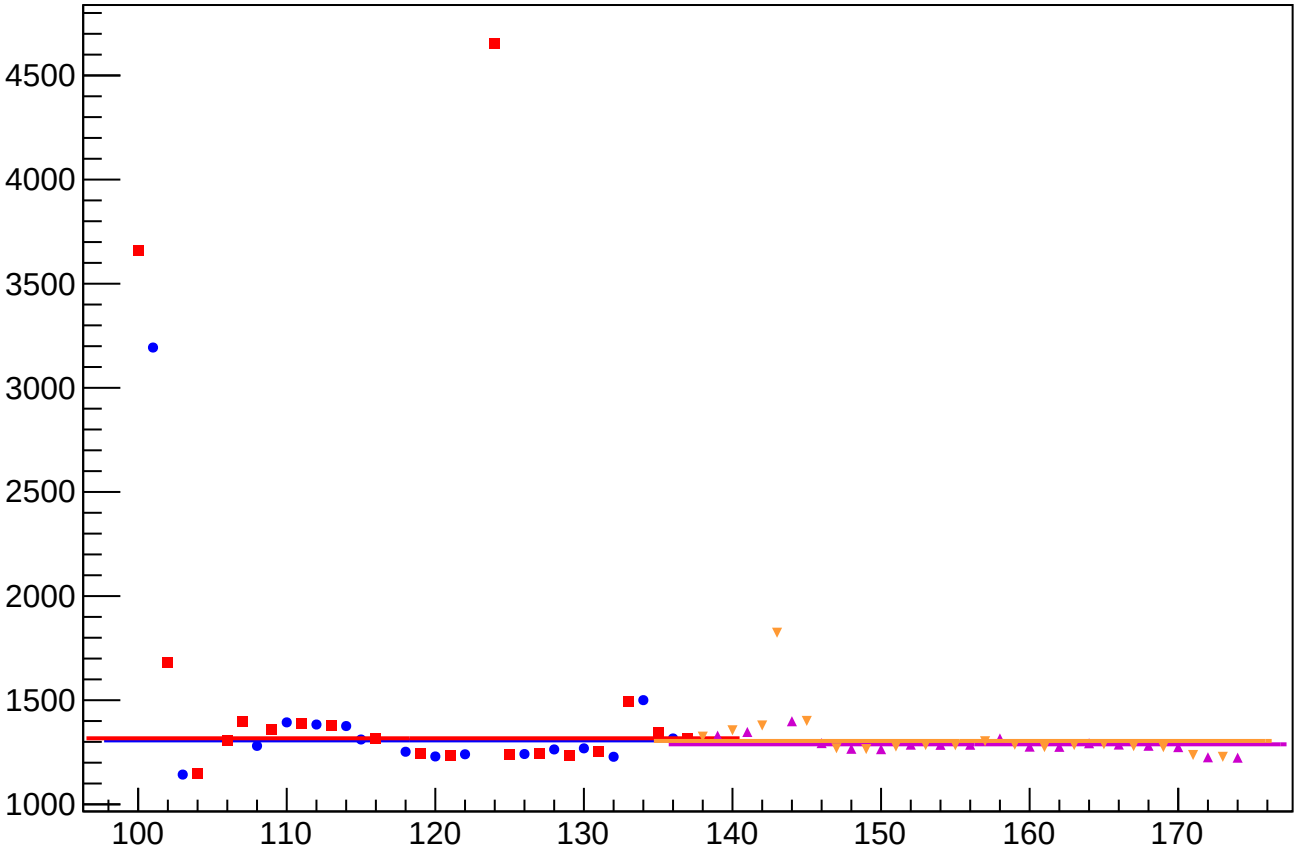
Left In: -2641.889+/-334.098 χ^2/NDF:20.9/17

+ sign 1698.218+/-278.839 χ^2/NDF: 37.6/34

All: -366.664+/-196.471 χ^2/NDF: 188.6/71

- 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: 1304.426+/-0.239 χ^2/NDF:164113.5/18

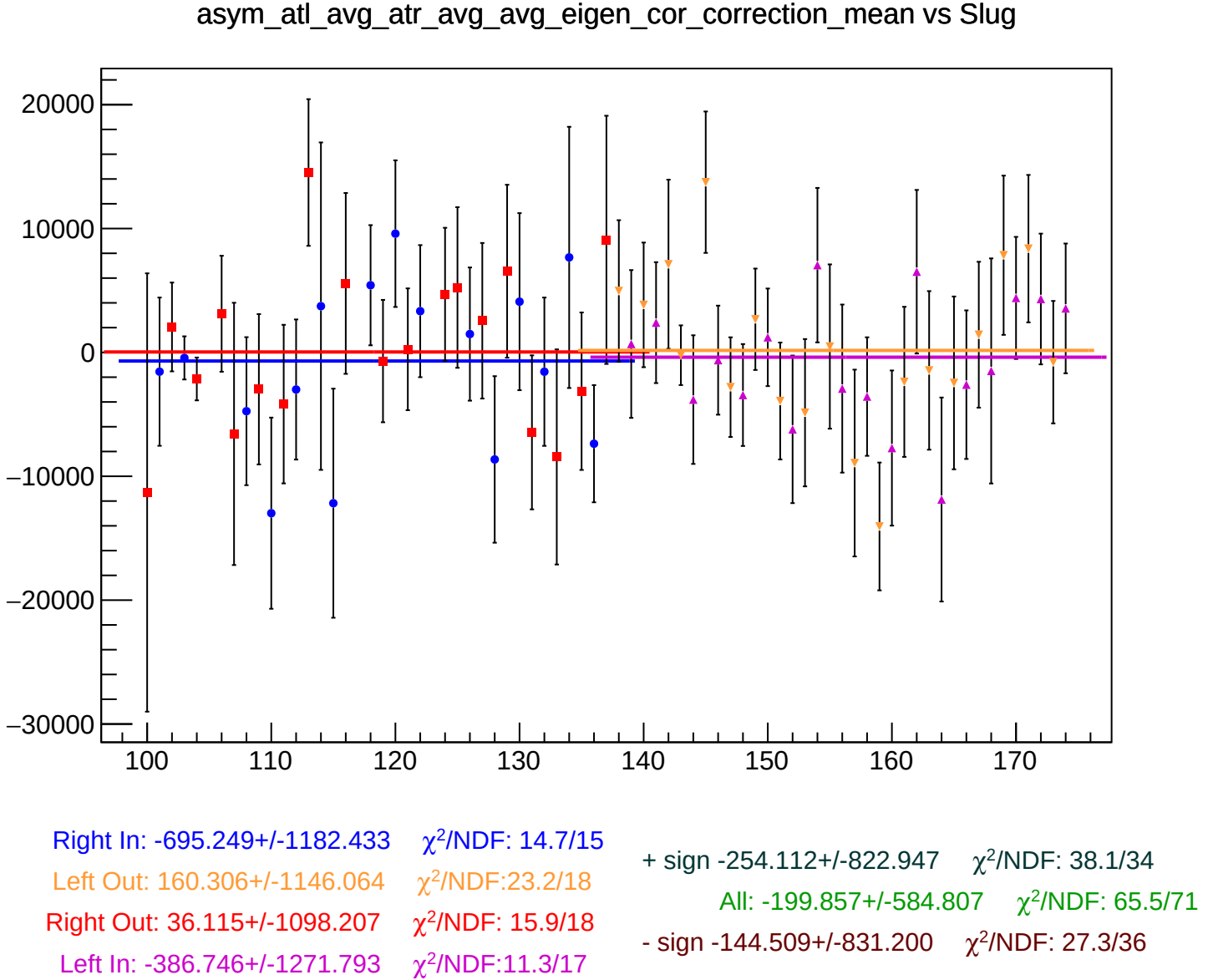
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

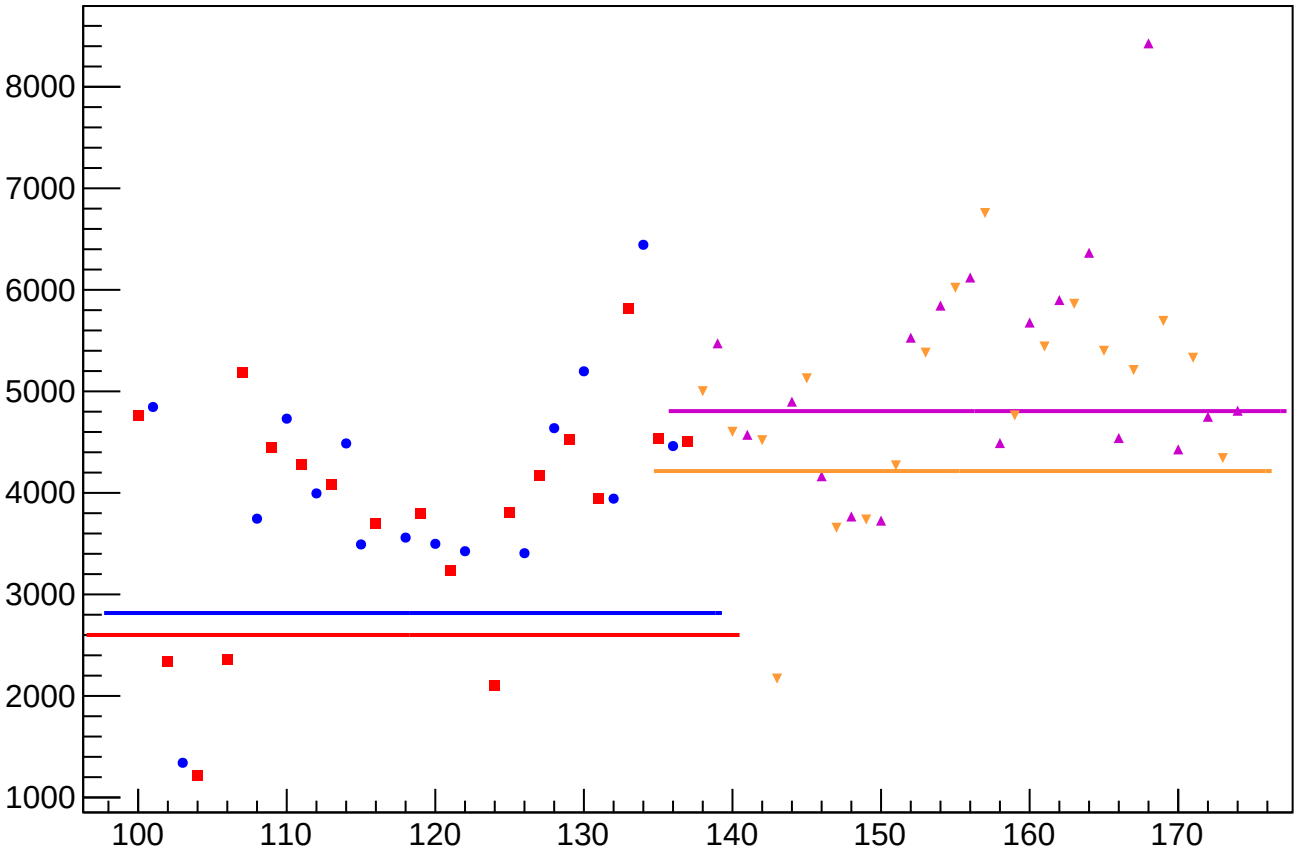
Left In: 1288.212+/-0.236 χ^2/NDF:27701.4/17

+ sign 1305.263+/-0.197 χ^2/NDF: 680402.9/34

All: 1301.247+/-0.139 χ^2/NDF: 1039559.4/71

- sign 1297.293+/-0.196 χ^2/NDF: 358333.1/36


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -695.249+/-1182.433 χ²/NDF: 14.7/15
Left Out: 160.306+/-1146.064 χ²/NDF:23.2/18
Right Out: 36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: -386.746+/-1271.793 χ²/NDF:11.3/17
+ sign -254.112+/-822.947 χ²/NDF: 38.1/34
All: -199.857+/-584.807 χ²/NDF: 65.5/71
- sign -144.509+/-831.200 χ²/NDF: 27.3/36



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4215.141+/-0.810 χ^2/NDF:2590753.7/18

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

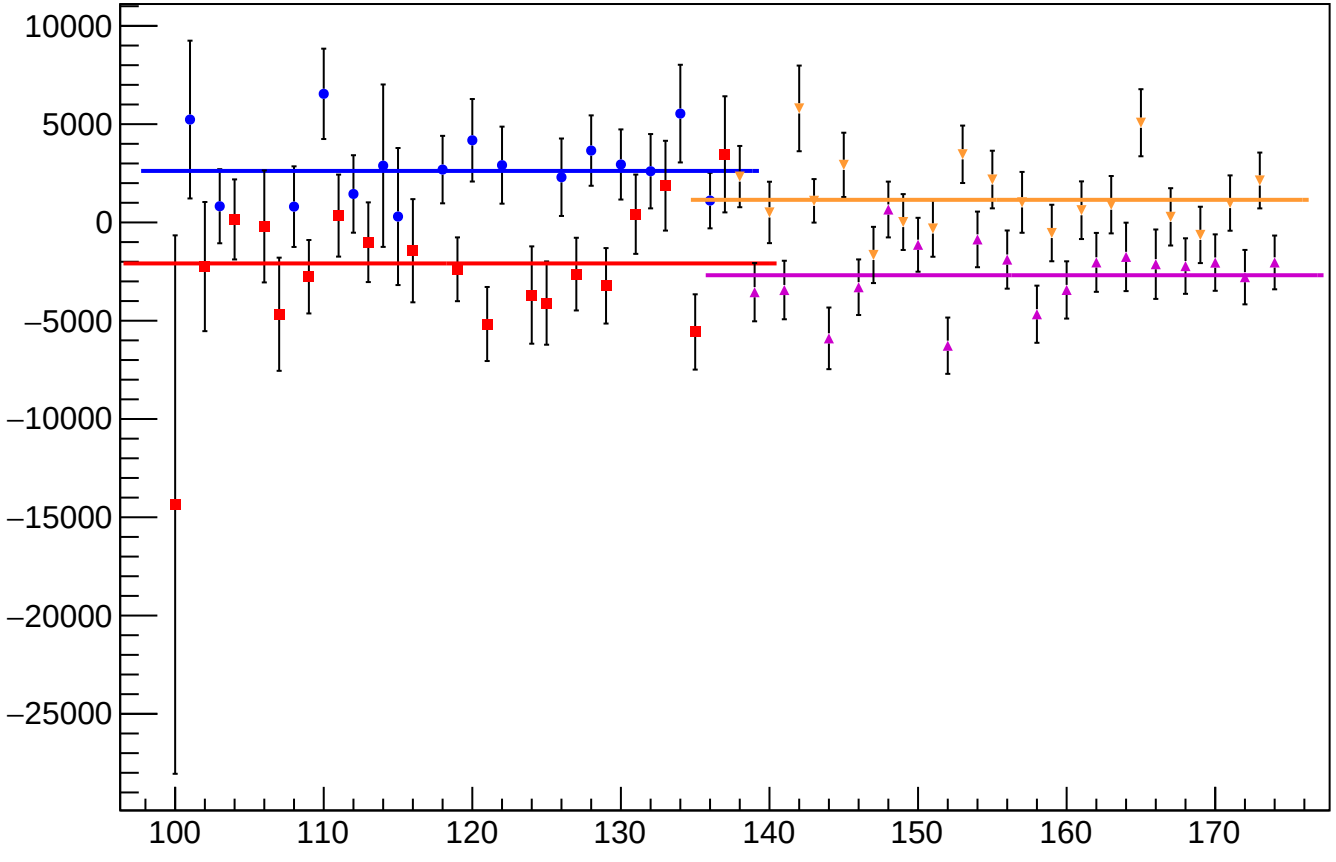
Left In: 4805.693+/-0.899 χ^2/NDF:1018183.6/17

+ sign 3537.798+/-0.582 χ^2/NDF: 7040569.4/34

All: 3540.104+/-0.414 χ^2/NDF: 14584037.7/7

- 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: 1150.257+/-337.875 χ^2/NDF:24.2/18

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

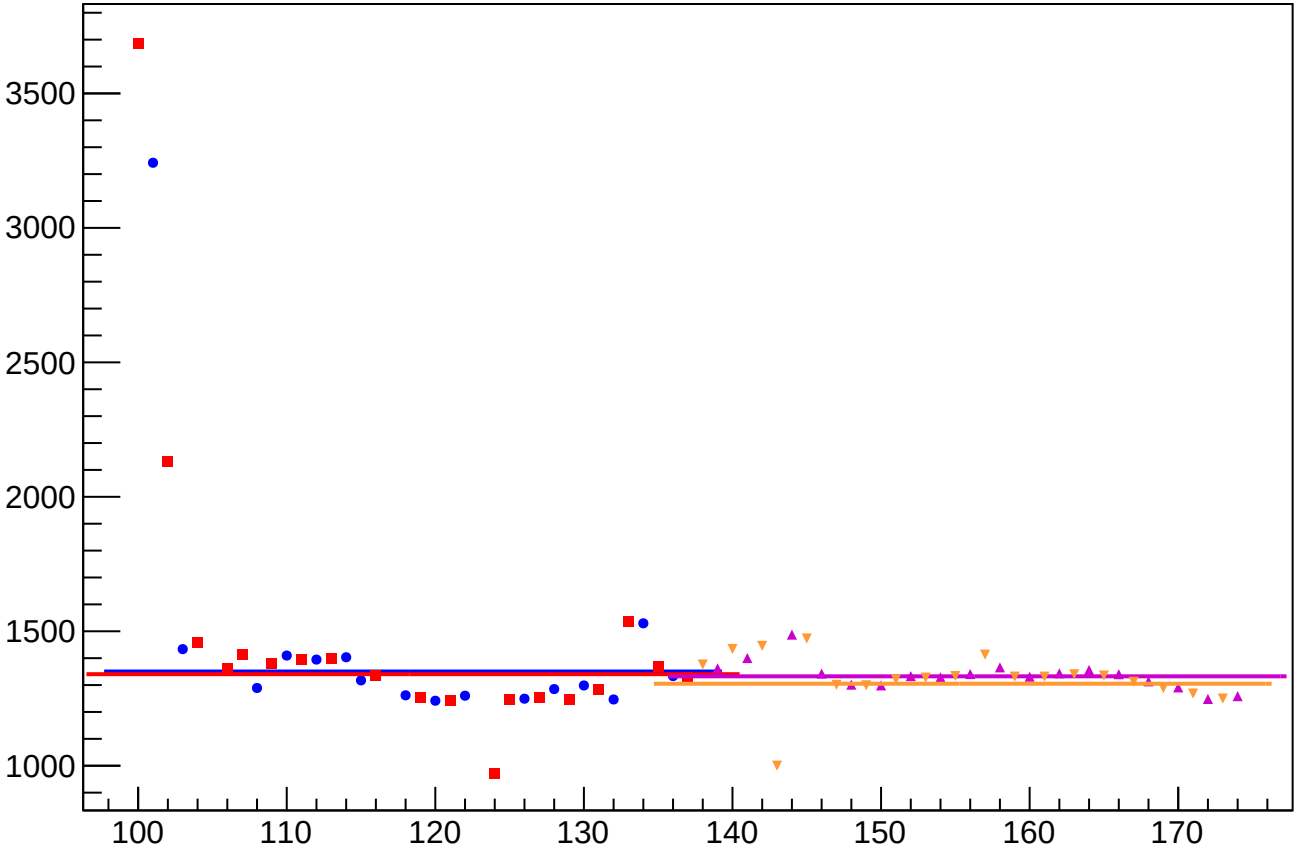
Left In: -2685.941+/-345.718 χ^2/NDF:23.3/17

+ sign 1596.892+/-281.923 χ^2/NDF: 39.3/34

All: -424.709+/-200.516 χ^2/NDF: 188.5/71

- 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: 1304.960+/-0.239 χ^2/NDF:217906.5/18

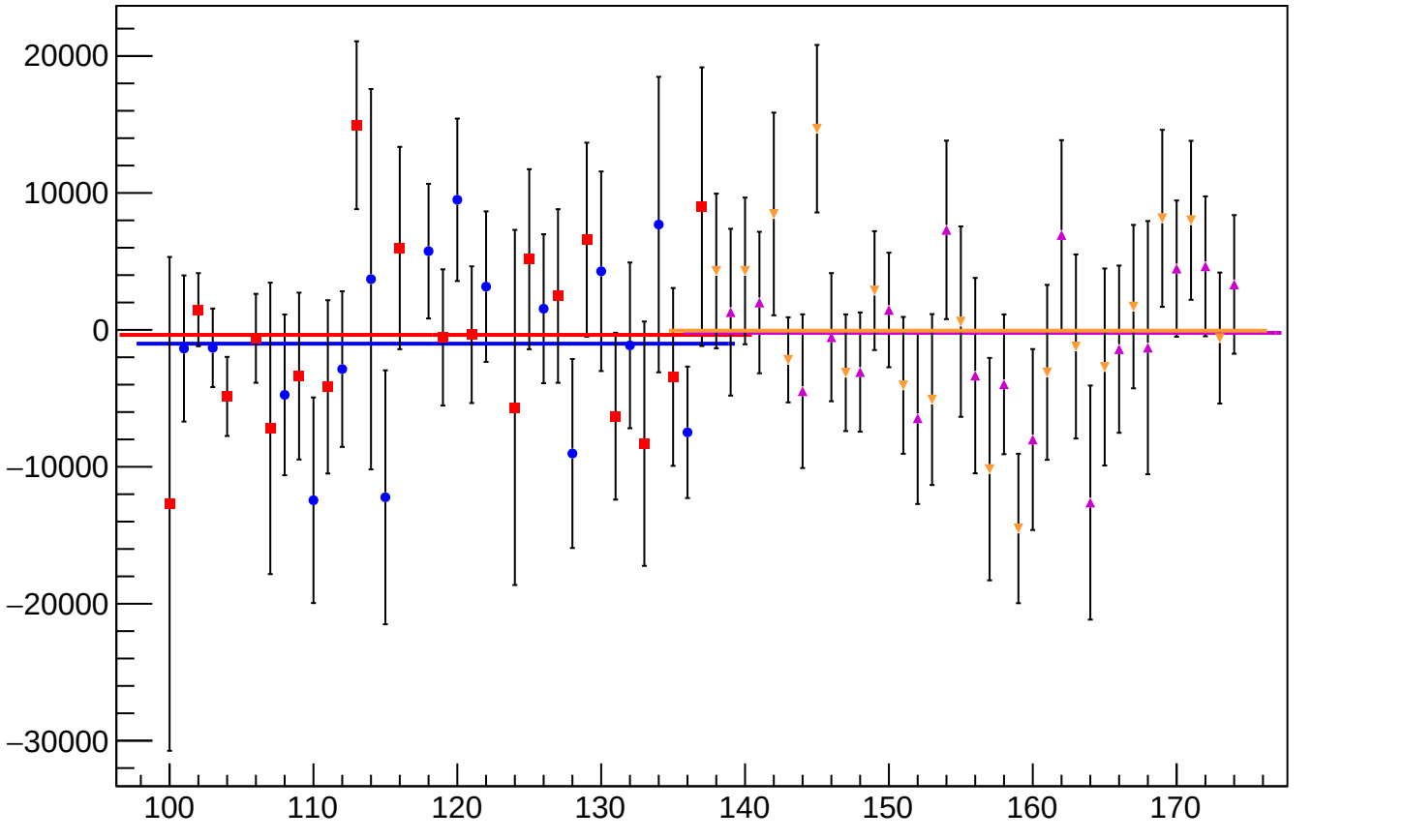
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1332.494+/-0.244 χ^2/NDF:43635.4/17

+ sign 1318.754+/-0.199 χ^2/NDF: 722931.5/34

All: 1326.797+/-0.142 χ^2/NDF: 1042381.2/71

- 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: -57.516+/-1241.010 χ^2/NDF:23.7/18

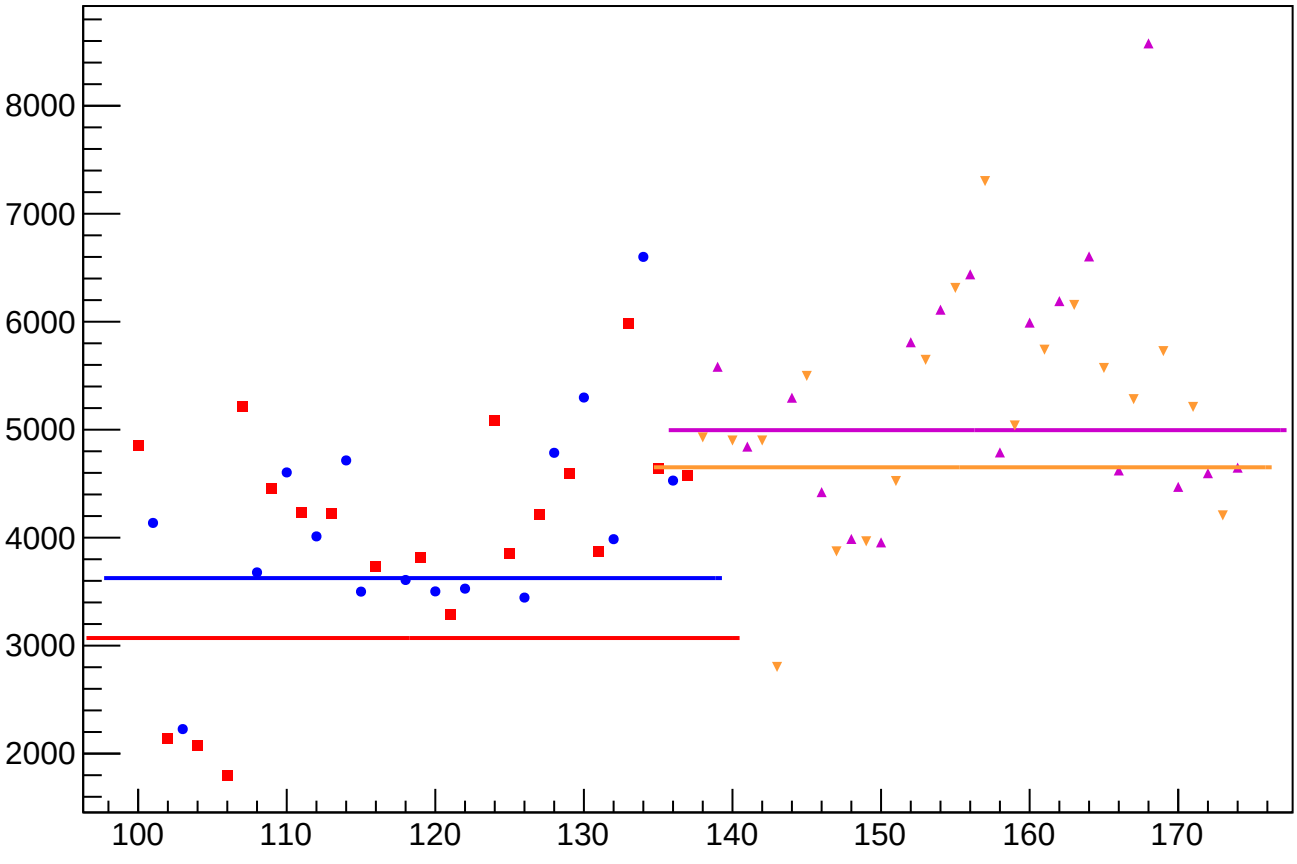
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -216.224+/-1321.542 χ^2/NDF:11.4/17

+ sign -473.709+/-929.970 χ^2/NDF: 38.6/34

All: -381.592+/-642.768 χ^2/NDF: 66.2/71

- 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: 4651.804+/-0.878 χ^2/NDF:1568416.2/18

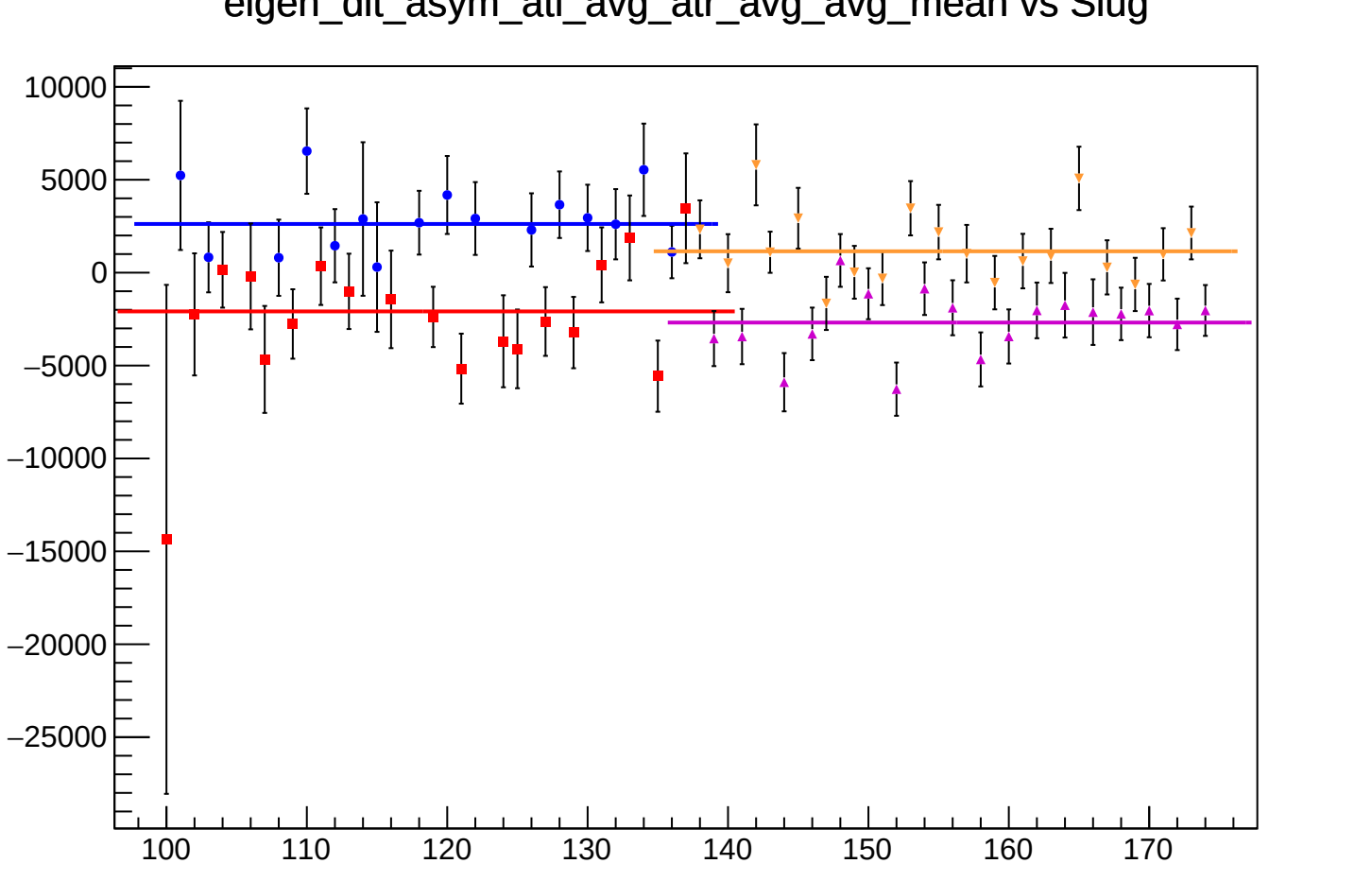
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4995.674+/-0.934 χ^2/NDF:991722.3/17

+ sign 4201.826+/-0.658 χ^2/NDF: 3113033.4/34

All: 4066.363+/-0.455 χ^2/NDF: 8346699.6/71

- 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: 1150.253+/-337.876 χ^2/NDF:24.2/18

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

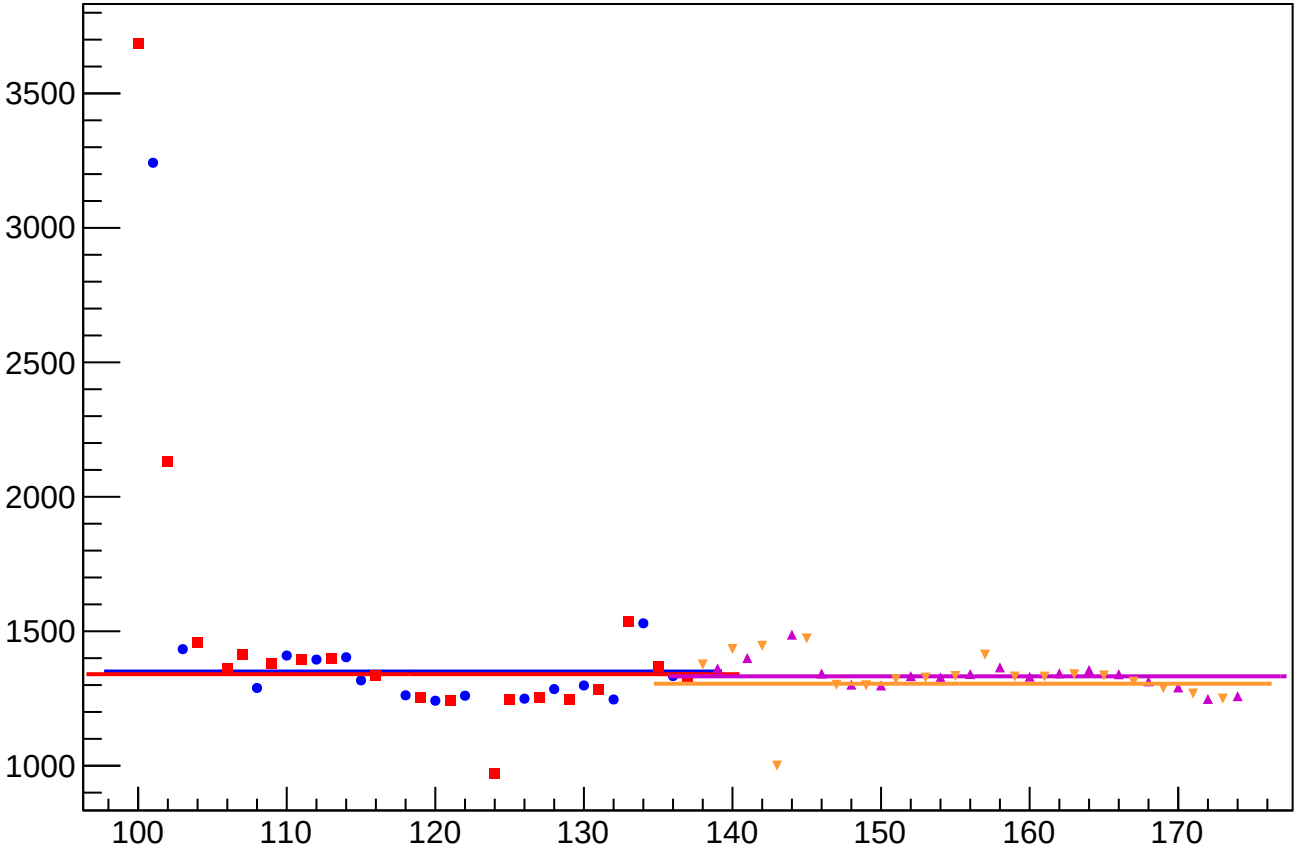
Left In: -2685.942+/-345.718 χ^2/NDF:23.3/17

+ sign 1596.890+/-281.923 χ^2/NDF: 39.3/34

All: -424.710+/-200.516 χ^2/NDF: 188.5/71

- 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: 1304.960+/-0.239 χ^2/NDF:217907.7/18

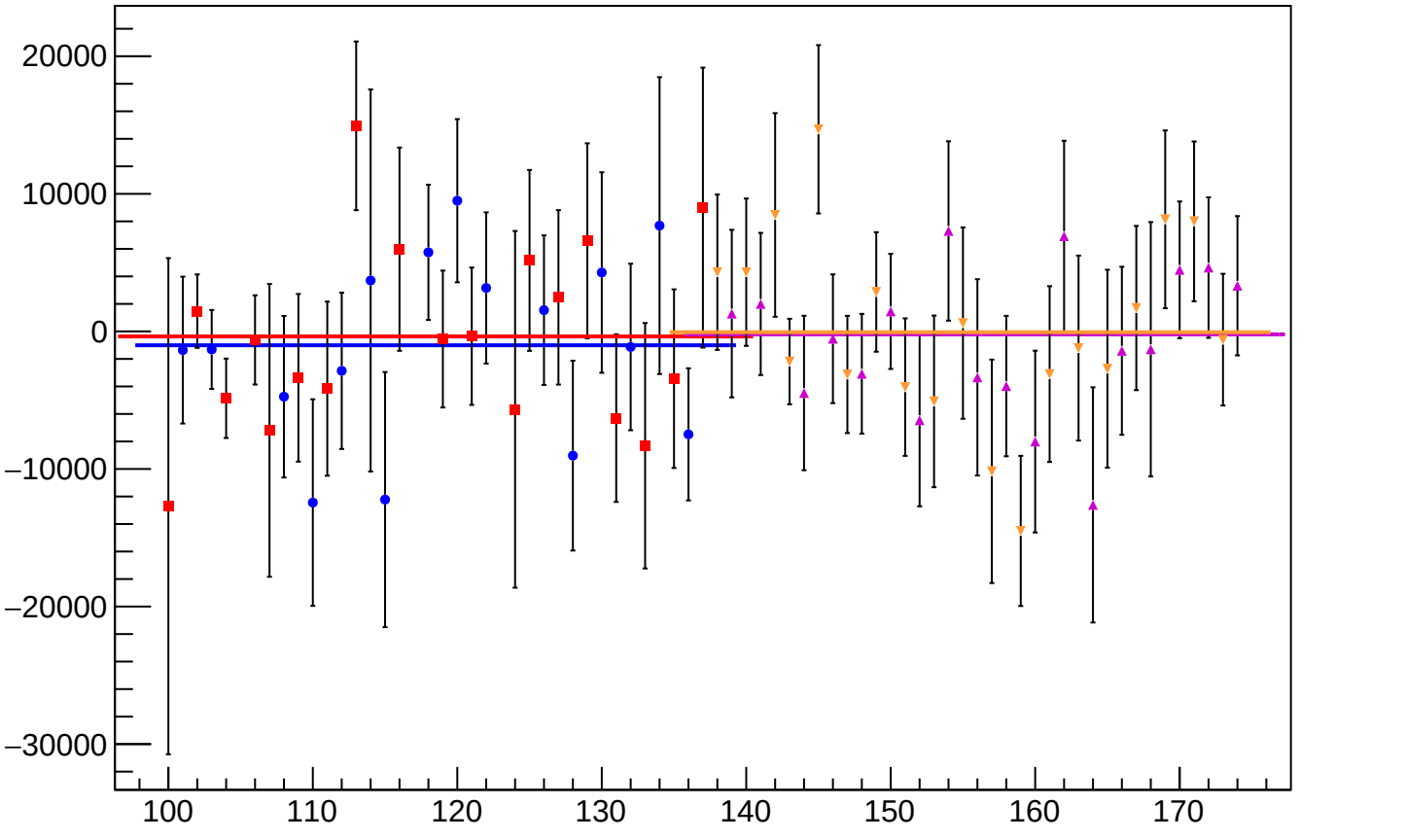
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1332.495+/-0.244 χ^2/NDF:43636.8/17

+ sign 1318.754+/-0.199 χ^2/NDF: 722932.3/34

All: 1326.798+/-0.142 χ^2/NDF: 1042382.2/71

- sign 1335.029+/-0.202 χ^2/NDF: 316155.8/36



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -57.519+/-1241.012 χ^2/NDF:23.7/18

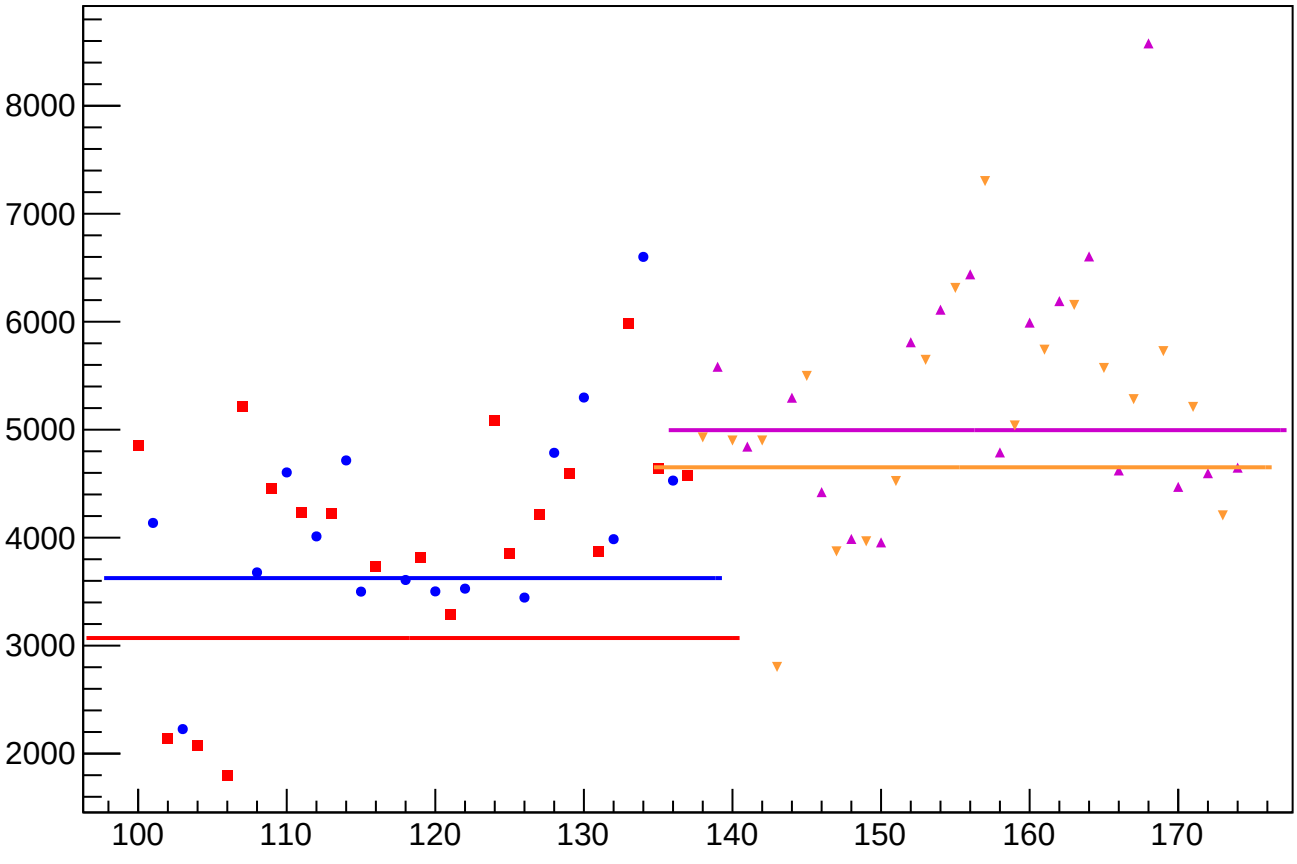
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -216.223+/-1321.544 χ^2/NDF:11.4/17

+ sign -473.708+/-929.970 χ^2/NDF: 38.6/34

All: -381.592+/-642.768 χ^2/NDF: 66.2/71

- sign -297.336+/-889.409 χ^2/NDF: 27.6/36



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4651.812+/-0.878 χ^2/NDF:1568416.3/18

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

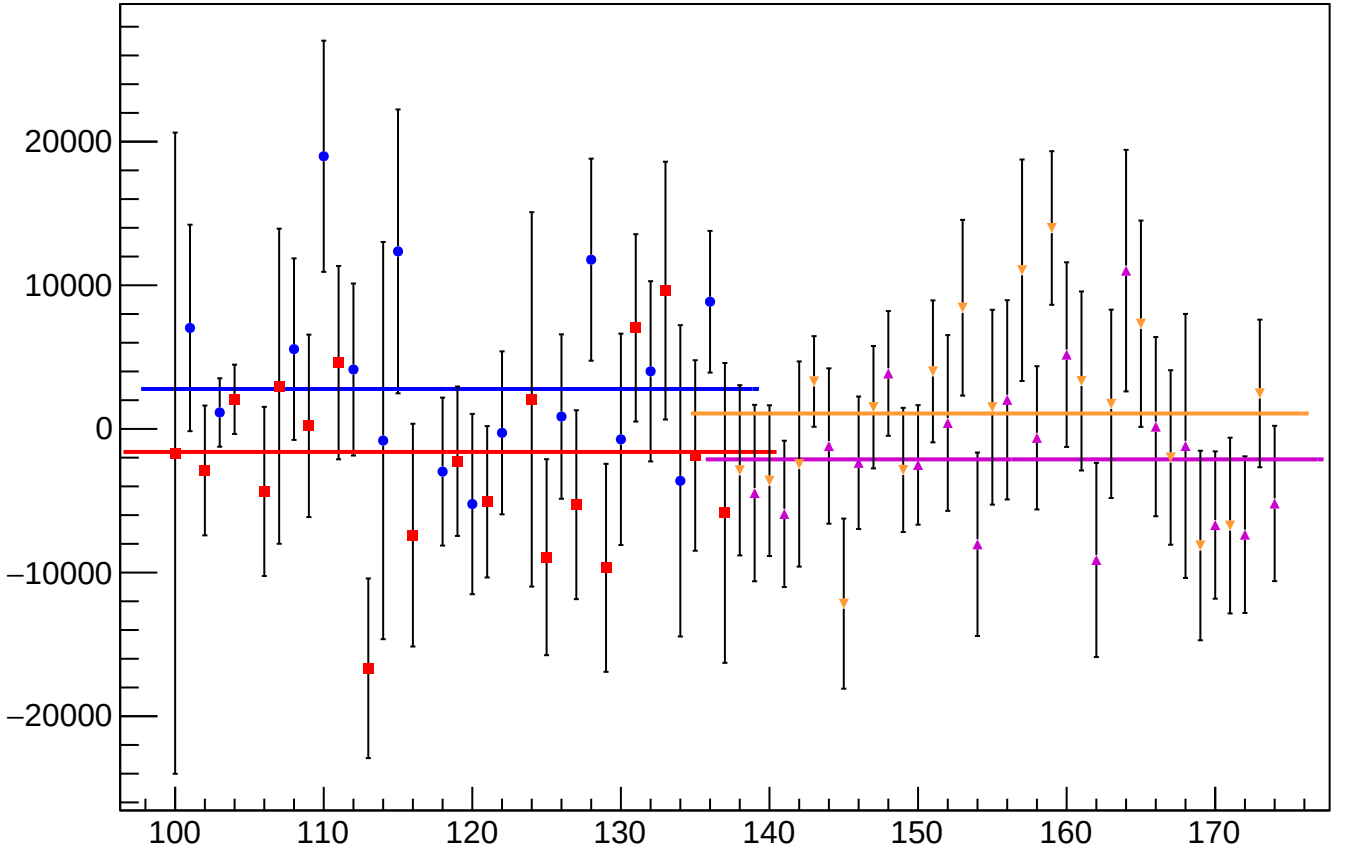
Left In: 4995.681+/-0.934 χ^2/NDF:991723.9/17

+ sign 4201.824+/-0.658 χ^2/NDF: 3113055.8/34

All: 4066.359+/-0.455 χ^2/NDF: 8346768.8/71

- sign 3942.453+/-0.629 χ^2/NDF: 5152459.7/36

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1074.855+/-1243.845 χ^2/NDF:21.9/18

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

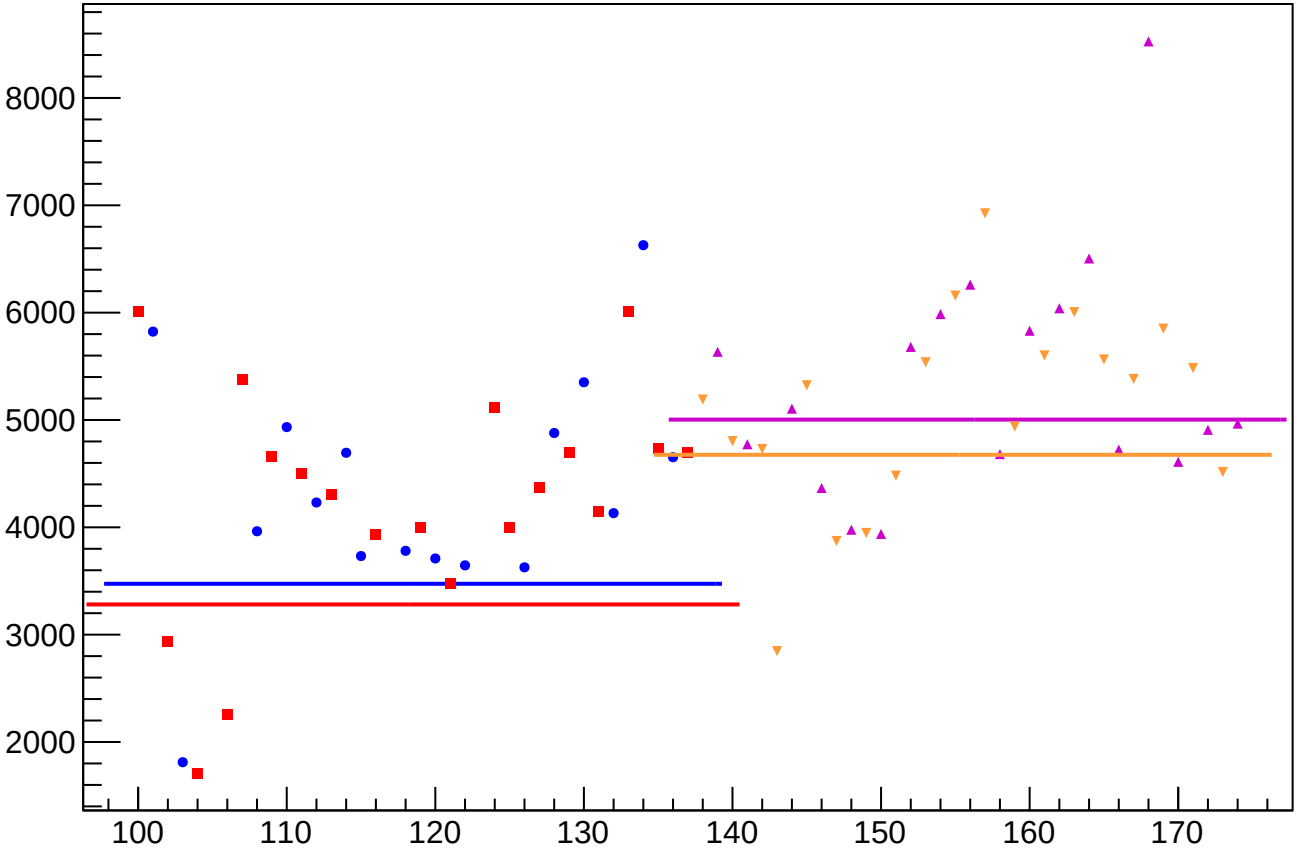
Left In: -2118.765+/-1321.105 χ^2/NDF:11.1/17

+ sign 1833.828+/-926.745 χ^2/NDF: 35.9/34

All: 10.759+/-659.853 χ^2/NDF: 71.8/71

- 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: 4675.608+/-0.880 χ^2/NDF:1438263.8/18

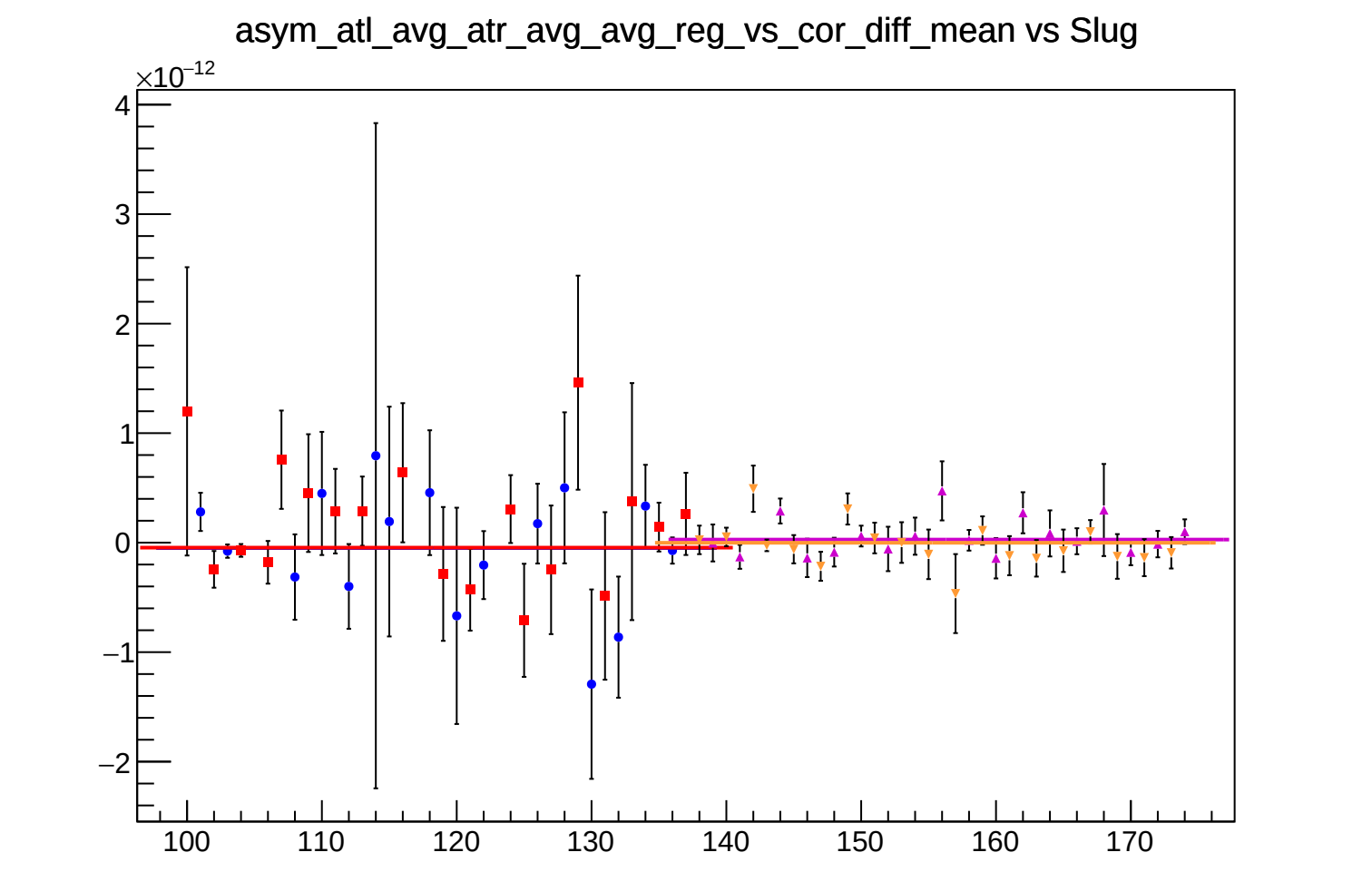
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

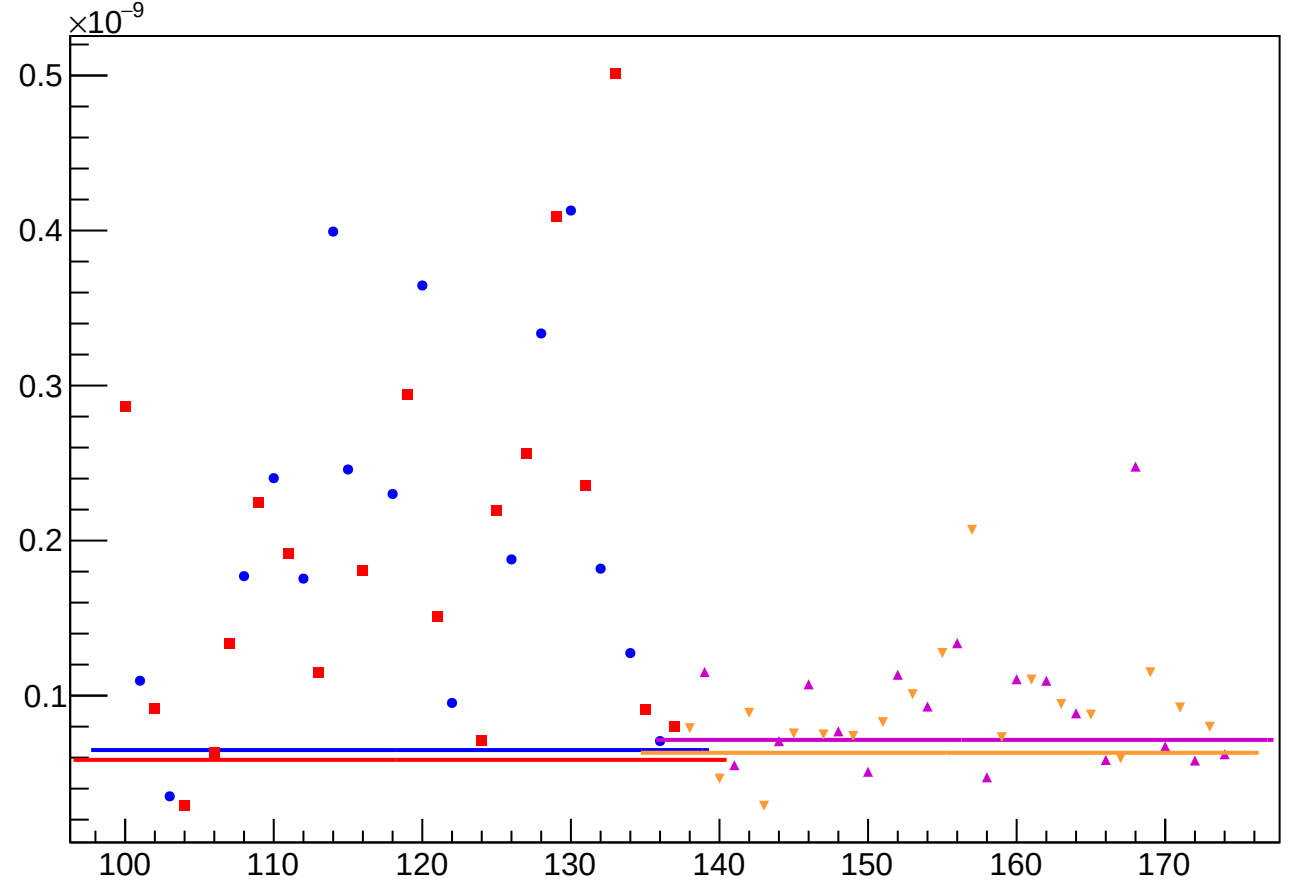
Left In: 5003.589+/-0.934 χ^2/NDF:907278.8/17

+ sign 4140.988+/-0.655 χ^2/NDF: 4112732.7/34

All: 4140.991+/-0.465 χ^2/NDF: 8597755.5/71

- 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:19.9/18
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: 34.4/34
All: -0.000+/-0.000 χ²/NDF: 71.5/71
- 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:2093503.3/18

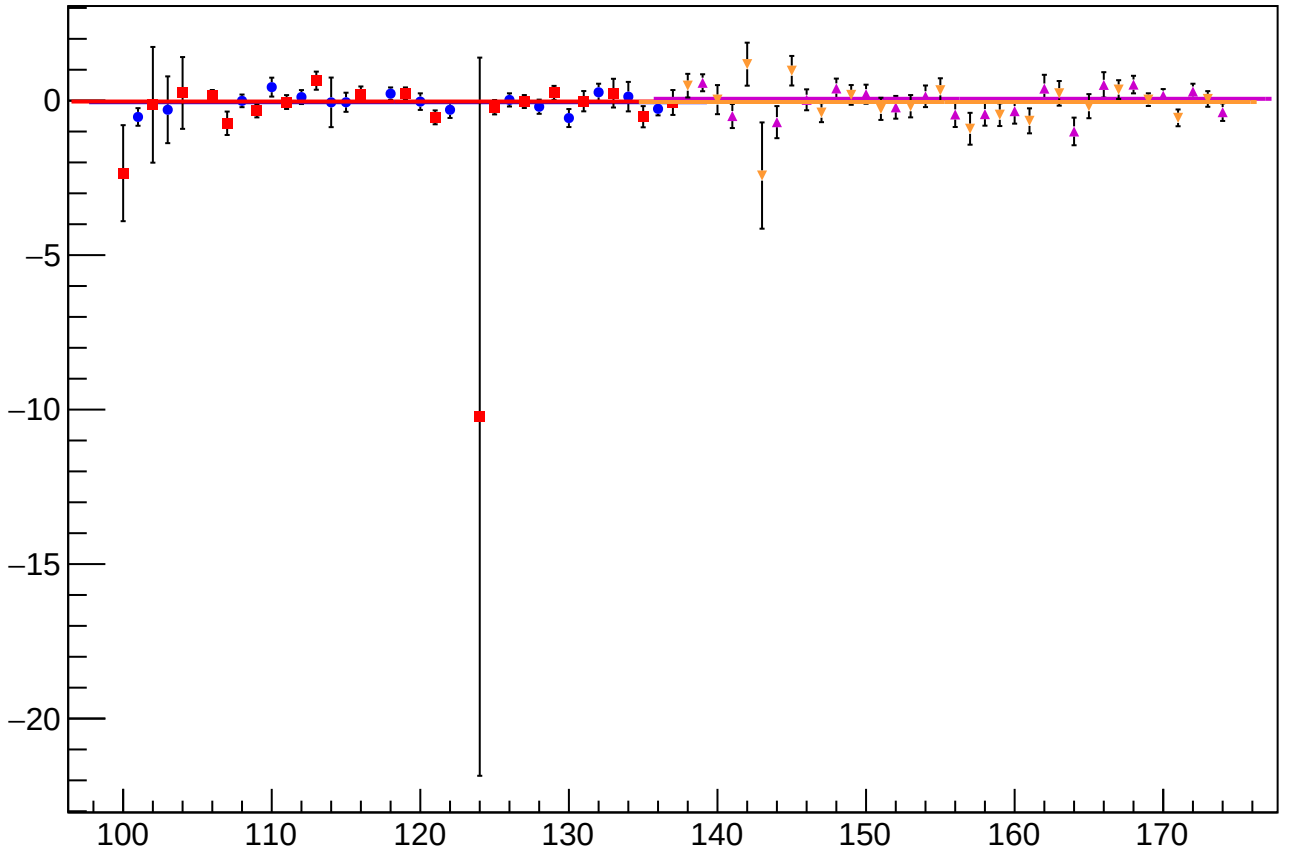
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1316931.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 4688312.5/34

All: 0.000+/-0.000 χ^2/NDF: 8982096.4/71

- 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: -0.044+/-0.080 χ^2/NDF:27.3/18

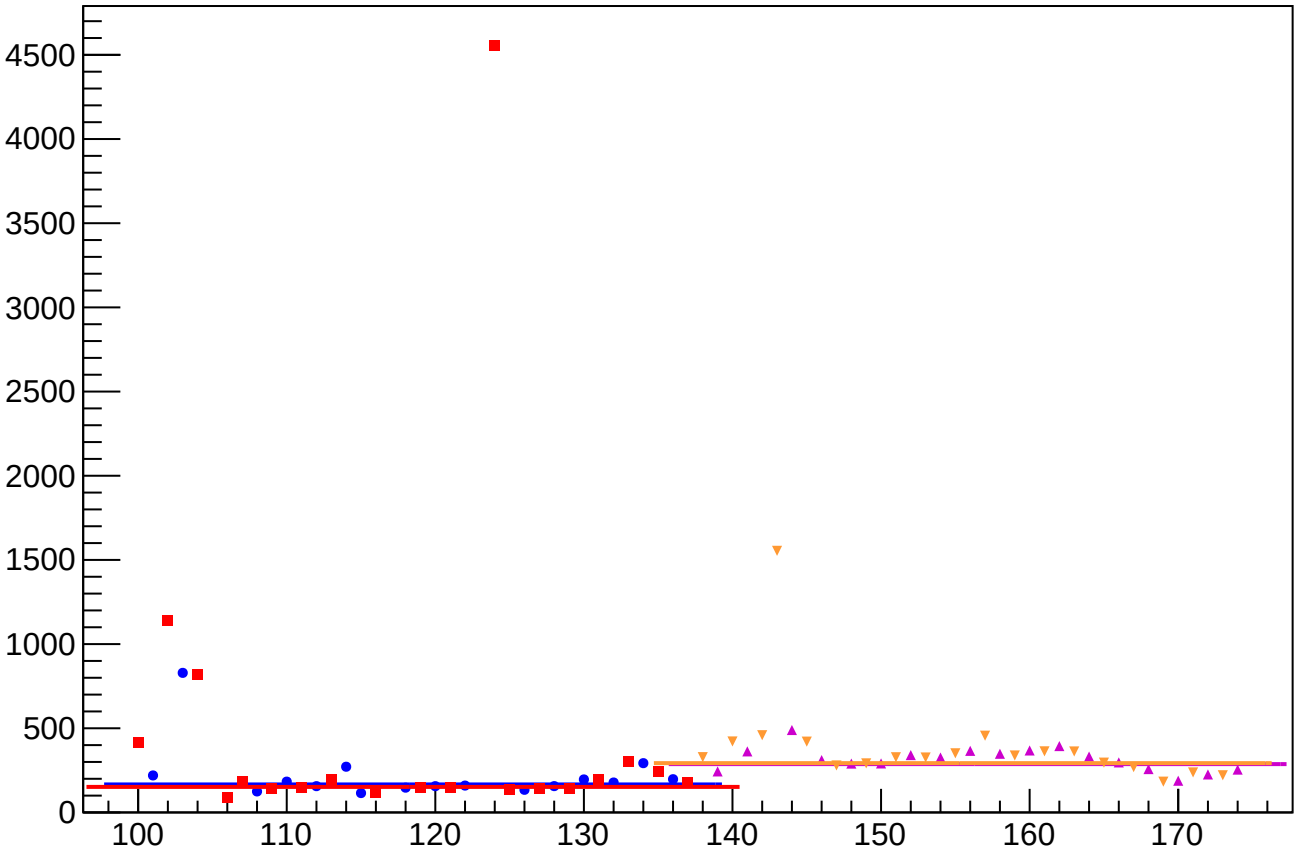
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.059+/-0.078 χ^2/NDF:27.3/17

+ sign -0.048+/-0.051 χ^2/NDF: 42.1/34

All: -0.020+/-0.036 χ^2/NDF: 98.4/71

- 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: 292.948+/-0.057 χ^2/NDF:2766247.0/18

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

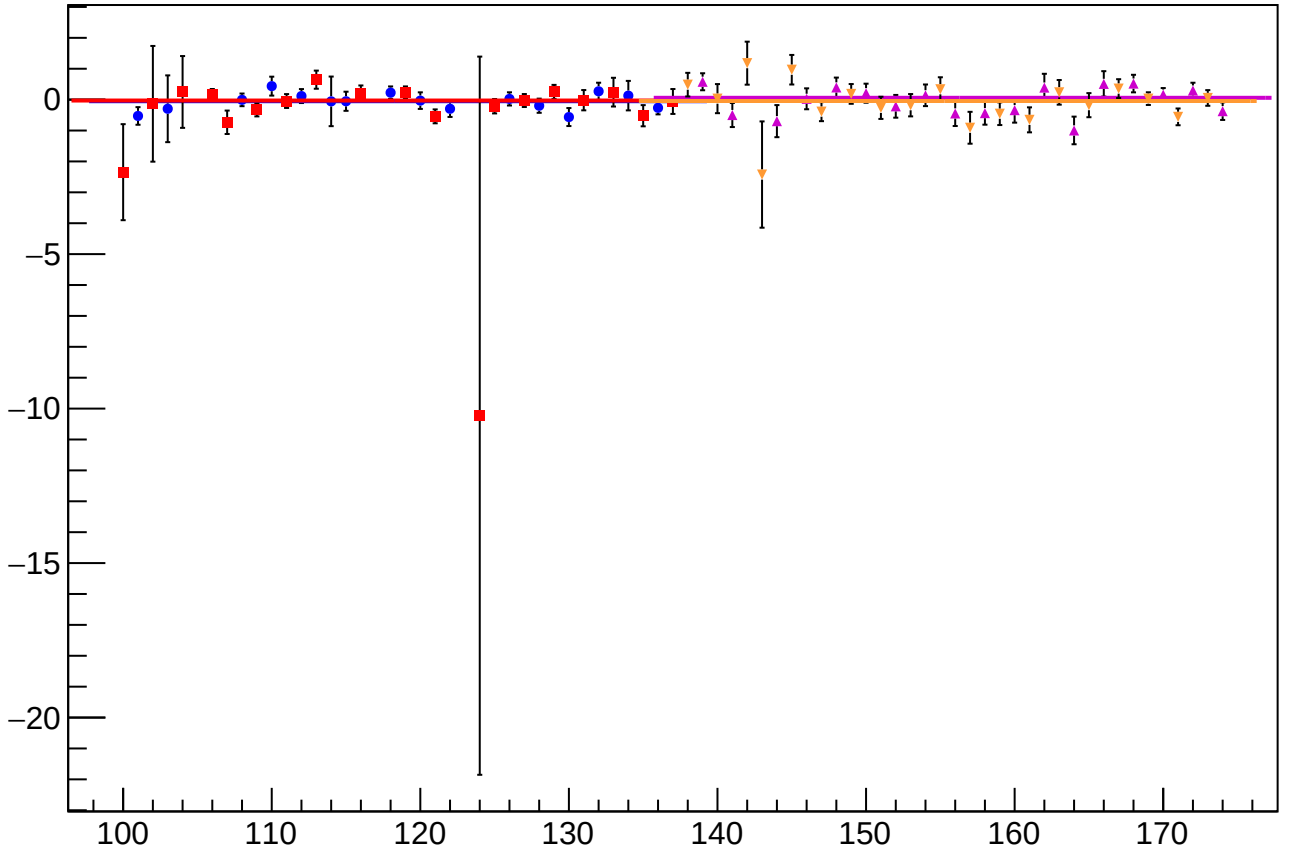
Left In: 287.162+/-0.055 χ^2/NDF:1449562.2/17

+ sign 217.929+/-0.036 χ^2/NDF: 6981180.9/34

All: 212.034+/-0.025 χ^2/NDF: 14416300.5/71

- sign 206.584+/-0.035 χ^2/NDF: 7384433.8/36

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.044+/-0.080 χ^2/NDF:27.3/18

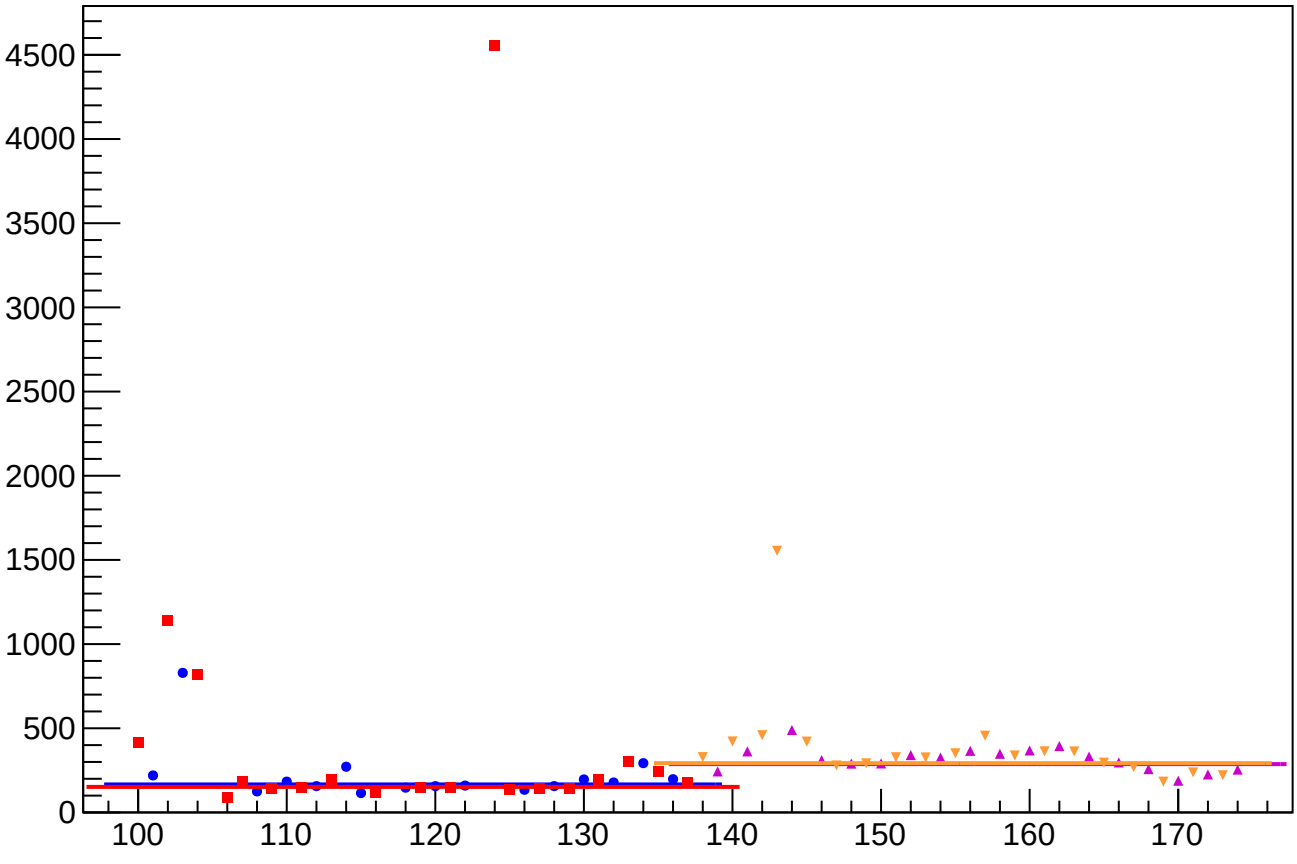
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.059+/-0.078 χ^2/NDF:27.3/17

+ sign -0.048+/-0.051 χ^2/NDF: 42.1/34

All: -0.020+/-0.036 χ^2/NDF: 98.4/71

- 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: 292.948+/-0.057 χ^2/NDF:2766247.0/18

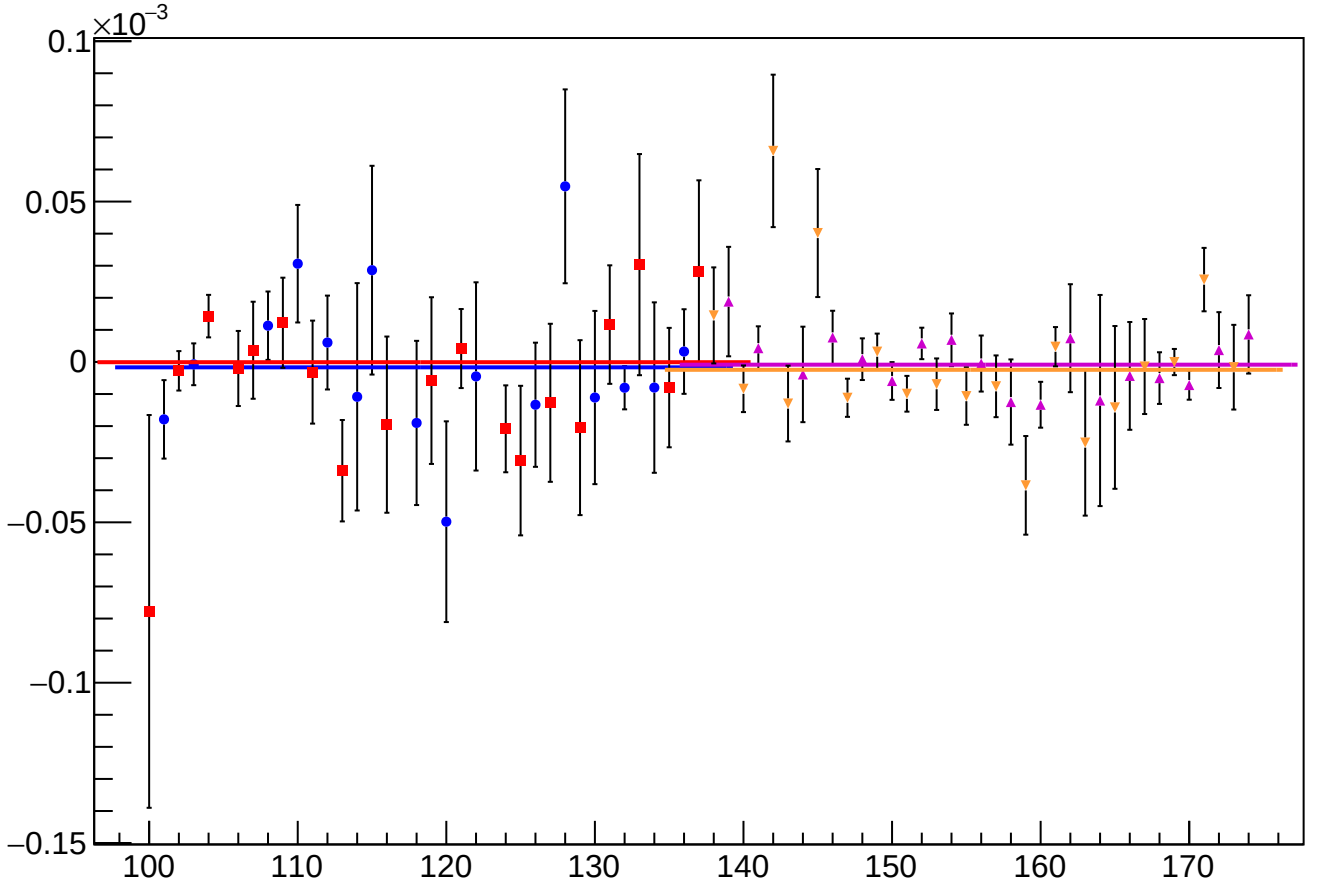
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 287.162+/-0.055 χ^2/NDF:1449562.2/17

+ sign 217.929+/-0.036 χ^2/NDF: 6981180.9/34

All: 212.034+/-0.025 χ^2/NDF: 14416300.5/71

- 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:38.5/18

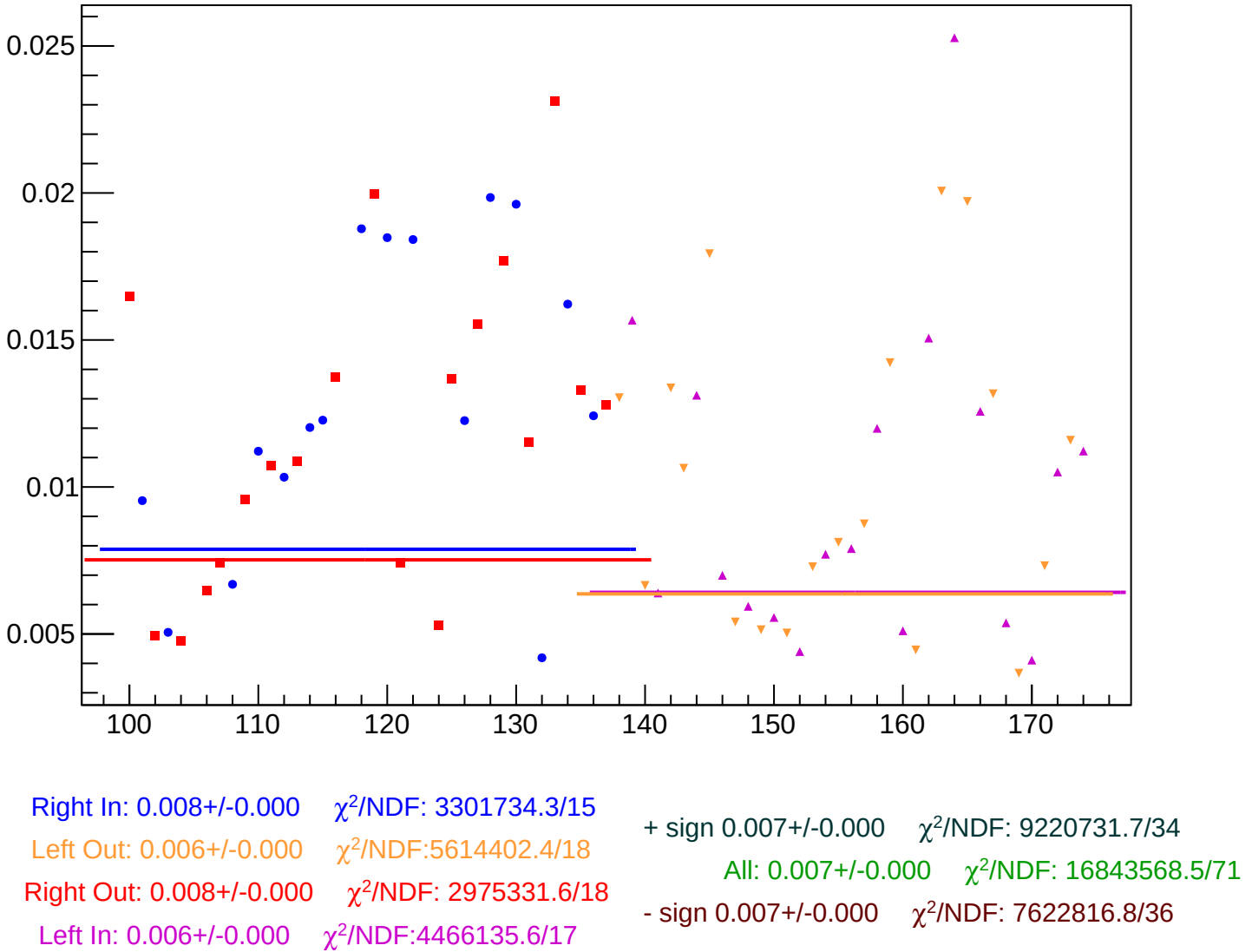
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:13.7/17

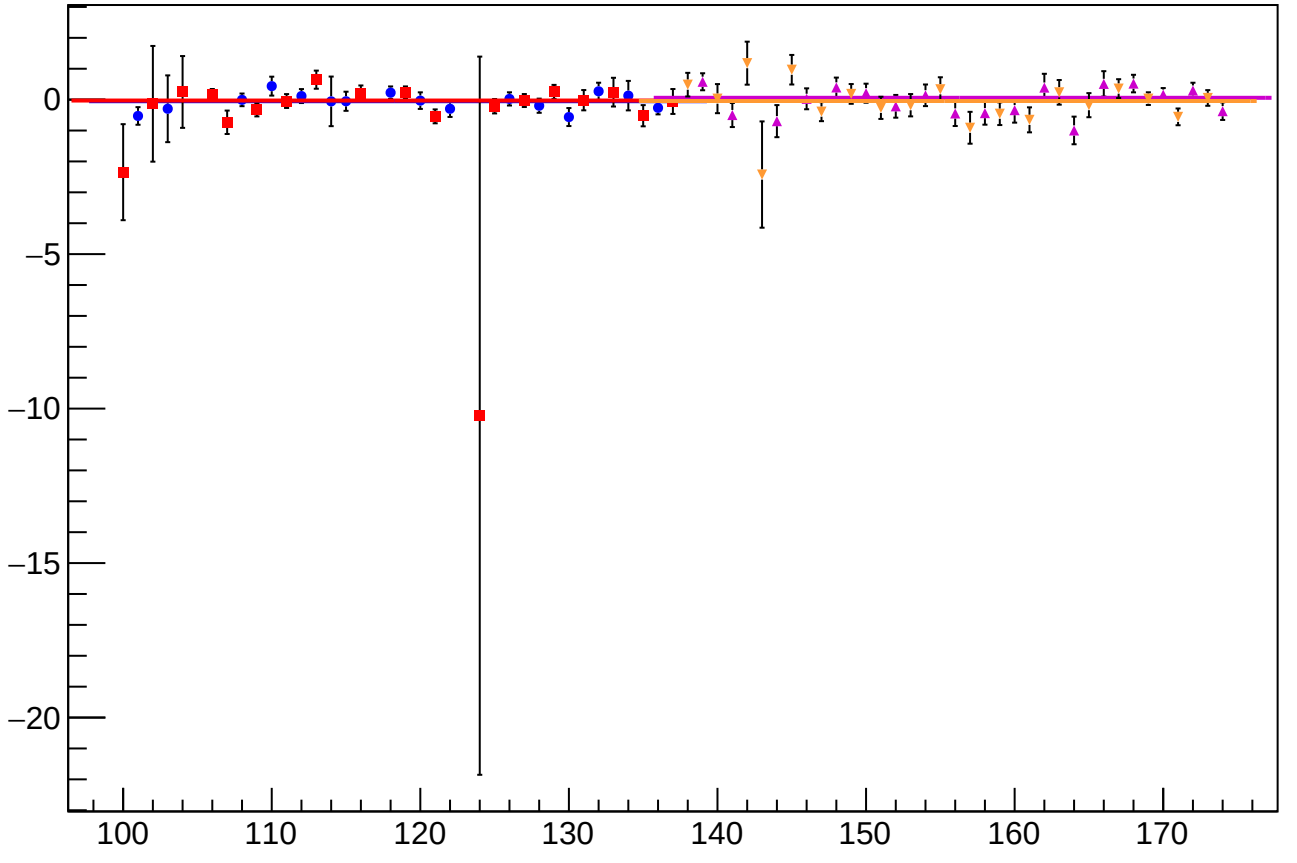
+ sign -0.000+/-0.000 χ^2/NDF: 54.0/34

All: -0.000+/-0.000 χ^2/NDF: 88.1/71

- sign -0.000+/-0.000 χ^2/NDF: 33.6/36


asym_atl_avg_atr_avg_avg_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: 0.008+/-0.000 χ²/NDF: 3301734.3/15
Left Out: 0.006+/-0.000 χ²/NDF:5614402.4/18
Right Out: 0.008+/-0.000 χ²/NDF: 2975331.6/18
Left In: 0.006+/-0.000 χ²/NDF:4466135.6/17
+ sign 0.007+/-0.000 χ²/NDF: 9220731.7/34
All: 0.007+/-0.000 χ²/NDF: 16843568.5/71
- sign 0.007+/-0.000 χ²/NDF: 7622816.8/36

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.044+/-0.080 χ^2/NDF:27.3/18

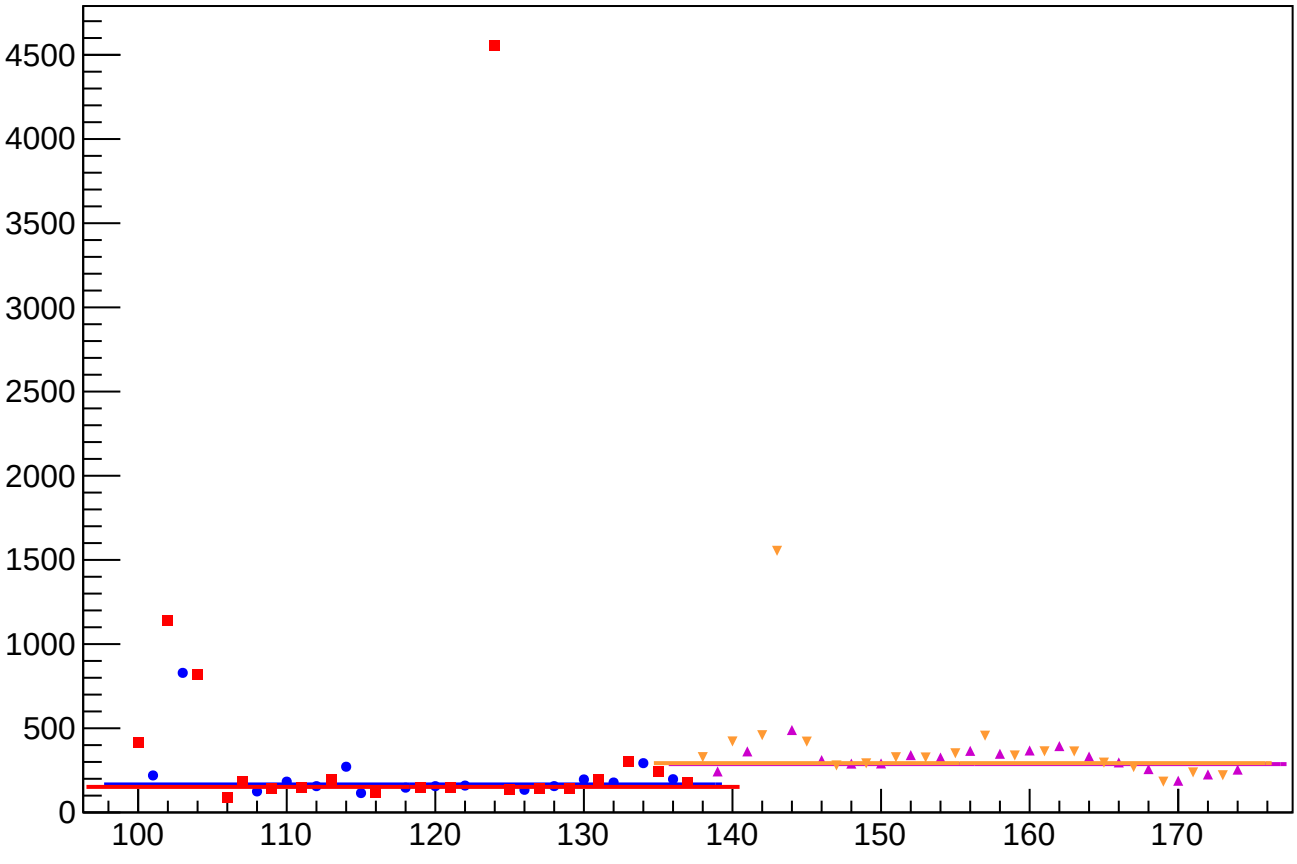
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.059+/-0.078 χ^2/NDF:27.3/17

+ sign -0.048+/-0.051 χ^2/NDF: 42.1/34

All: -0.020+/-0.036 χ^2/NDF: 98.4/71

- 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: 292.947+/-0.057 χ^2/NDF:2766409.6/18

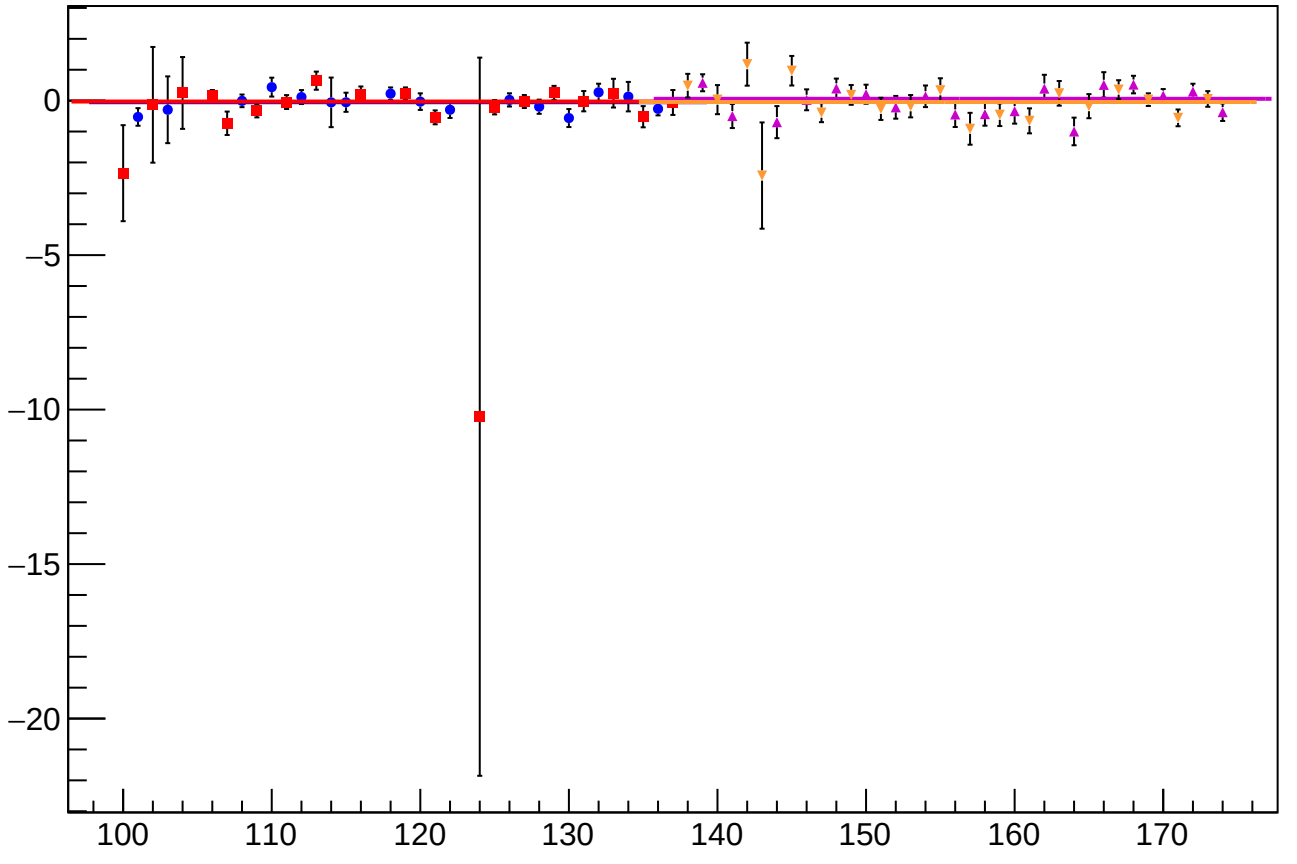
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 287.163+/-0.055 χ^2/NDF:1449666.8/17

+ sign 217.928+/-0.036 χ^2/NDF: 6981372.4/34

All: 212.033+/-0.025 χ^2/NDF: 14416727.4/71

- 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: -0.044+/-0.080 χ^2/NDF:27.3/18

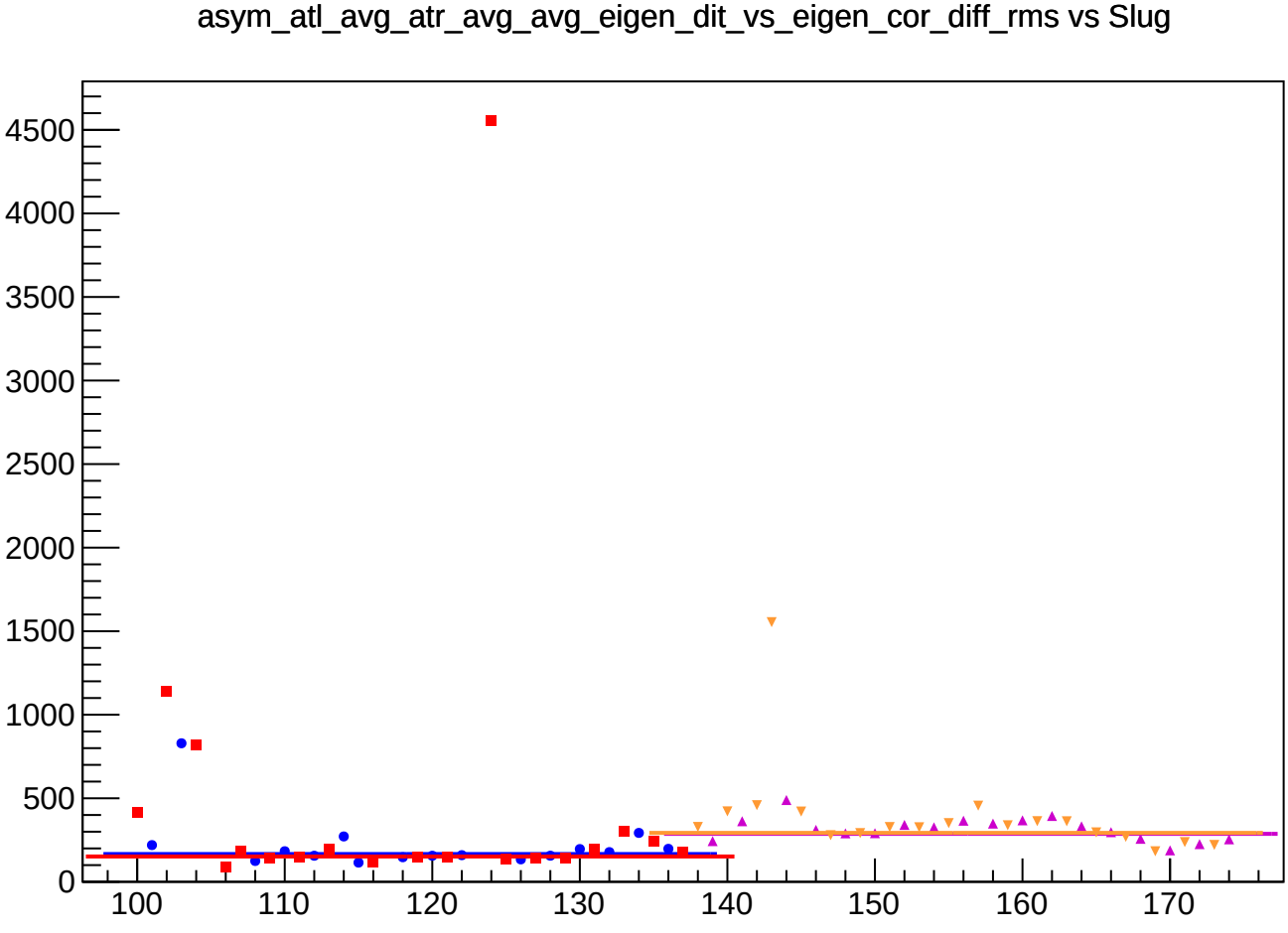
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

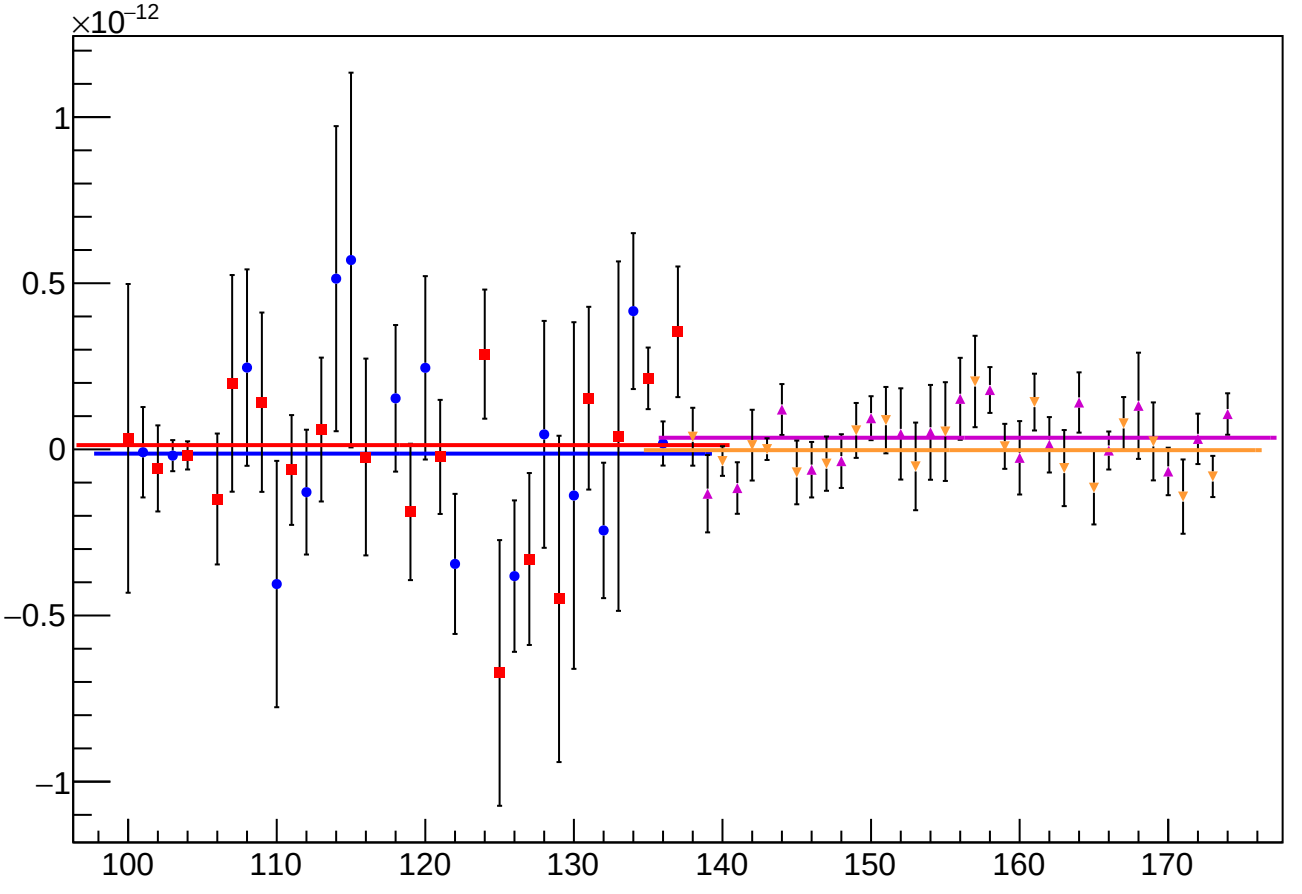
Left In: 0.059+/-0.078 χ^2/NDF:27.3/17

+ sign -0.048+/-0.051 χ^2/NDF: 42.1/34

All: -0.020+/-0.036 χ^2/NDF: 98.4/71

- 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: 292.947+/-0.057 χ²/NDF:2766409.6/18
Right Out: 151.790+/-0.045 χ²/NDF: 2315641.8/18
Left In: 287.163+/-0.055 χ²/NDF:1449666.8/17
+ sign 217.928+/-0.036 χ²/NDF: 6981372.4/34
All: 212.033+/-0.025 χ²/NDF: 14416727.4/71
- 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:13.8/18

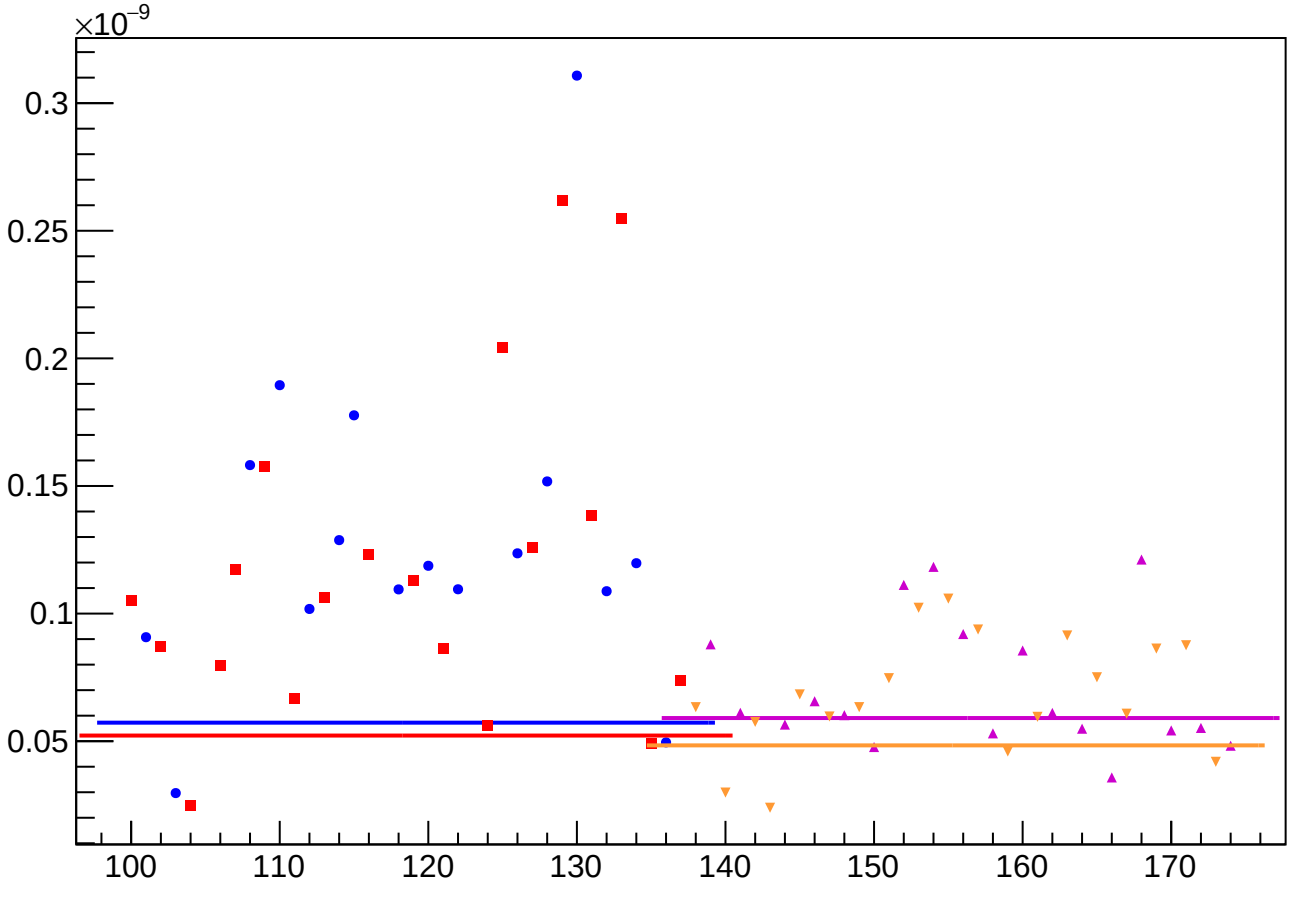
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:21.1/17

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

All: 0.000+/-0.000 χ^2/NDF: 72.6/71

- 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:3684250.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

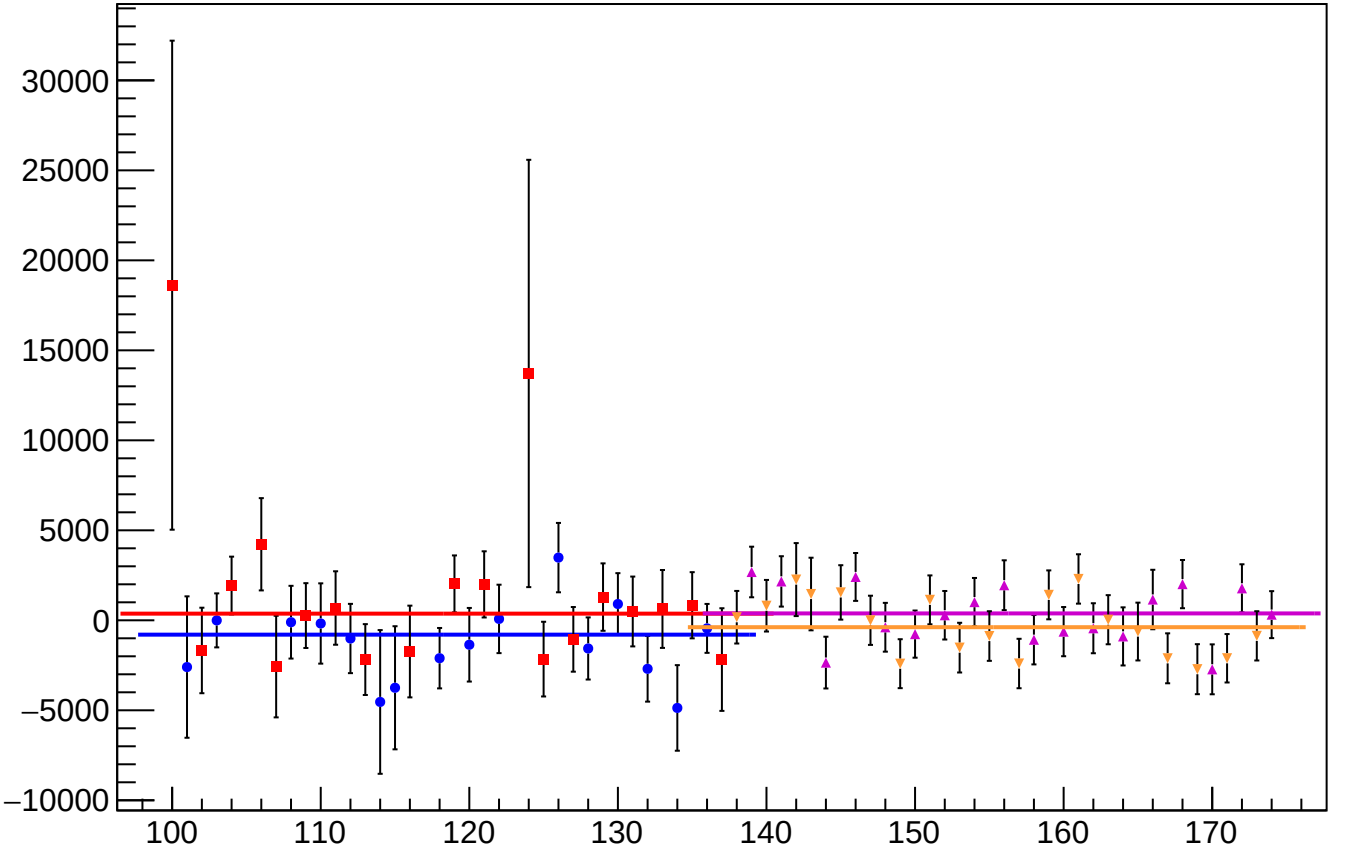
Left In: 0.000+/-0.000 χ^2/NDF:1817489.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 6782410.7/34

All: 0.000+/-0.000 χ^2/NDF: 12145596.6/71

- 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: -382.913+/-329.647 χ^2/NDF:23.3/18

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

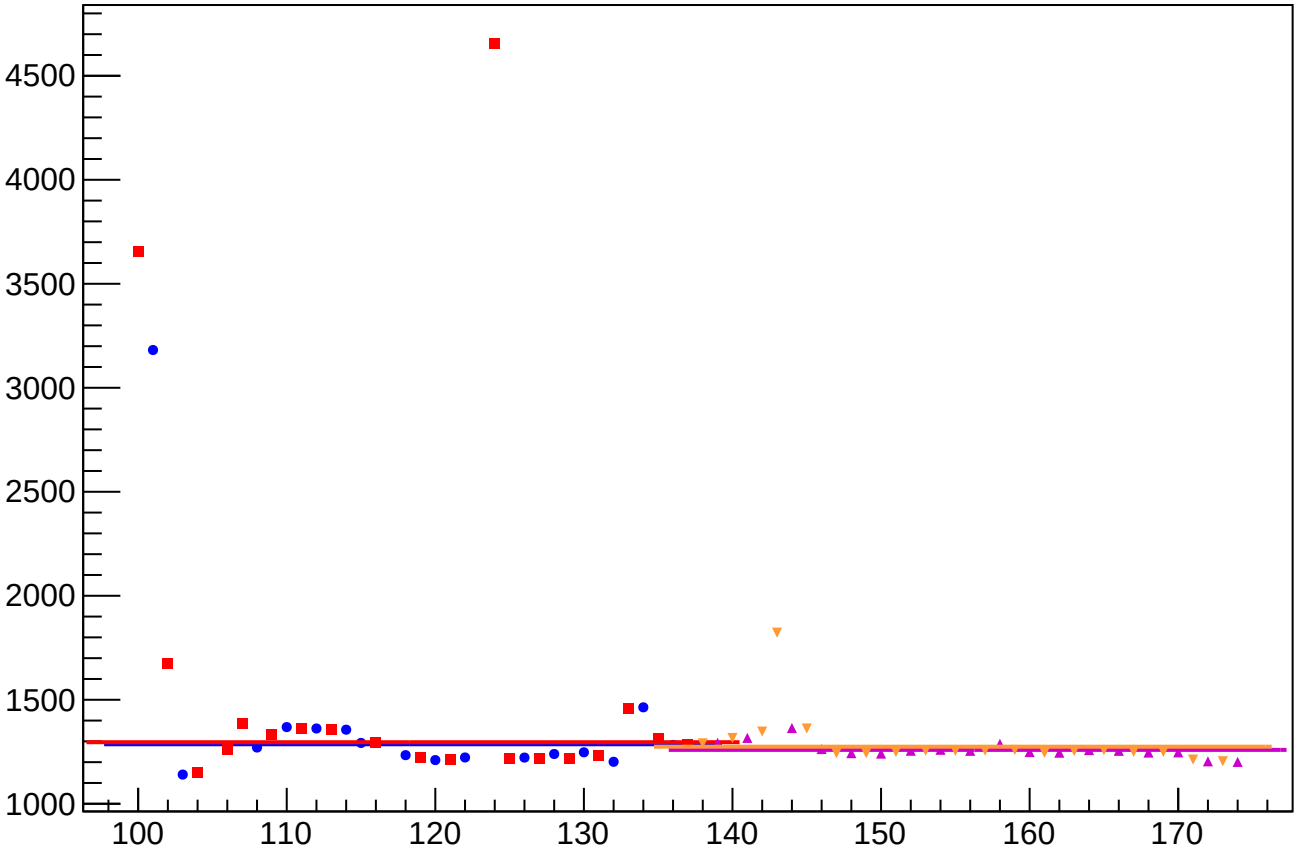
Left In: 382.635+/-326.503 χ^2/NDF:23.3/17

\+ sign -512.949+/-273.067 χ^2/NDF: 37.3/34

All: -63.718+/-192.349 χ^2/NDF: 81.5/71

\- 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: 1274.426+/-0.233 χ^2/NDF:175551.3/18

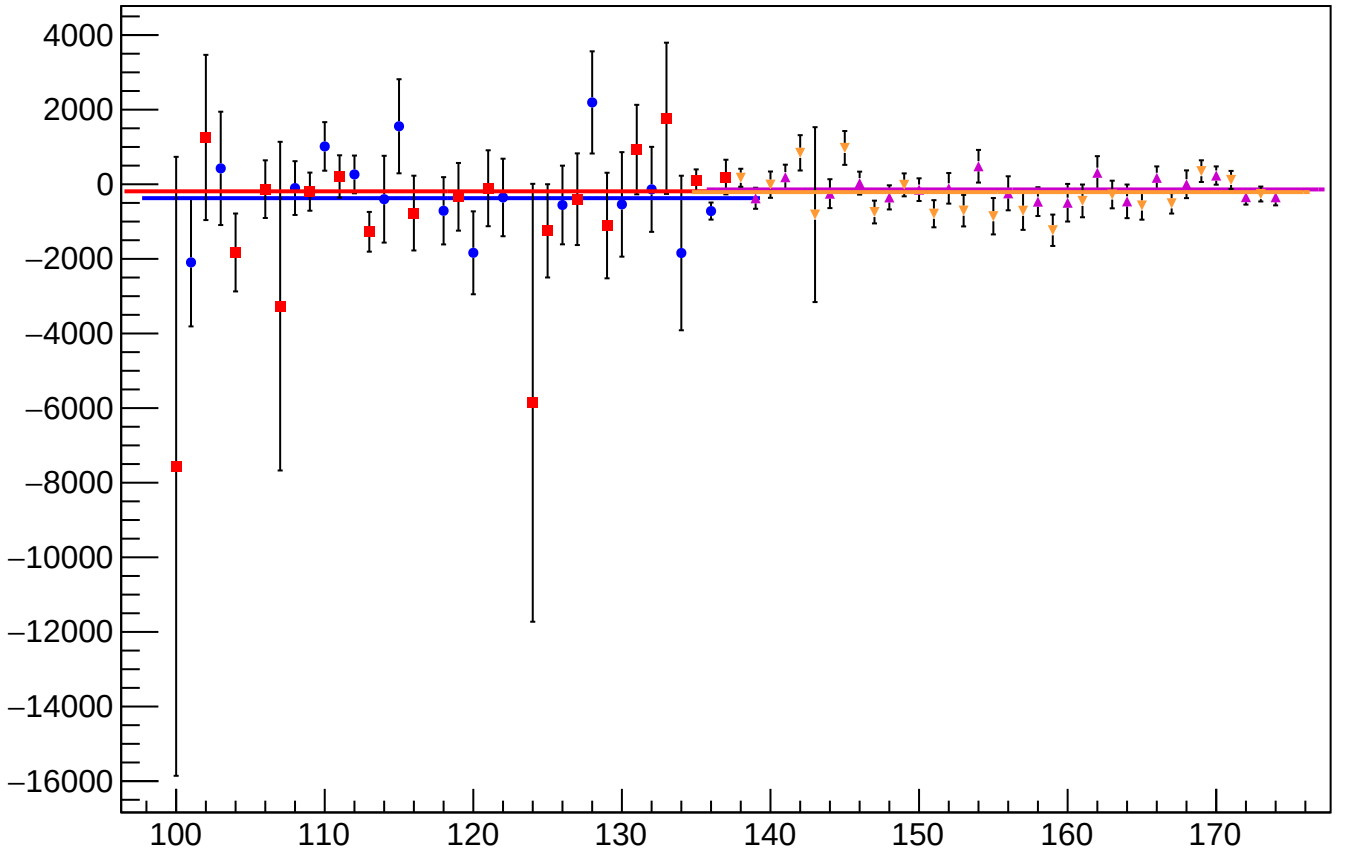
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

+ sign 1278.088+/-0.193 χ^2/NDF: 694465.0/34

All: 1274.277+/-0.136 χ^2/NDF: 1056080.3/71

- 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: -209.997+/-76.800 χ^2/NDF:38.7/18

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

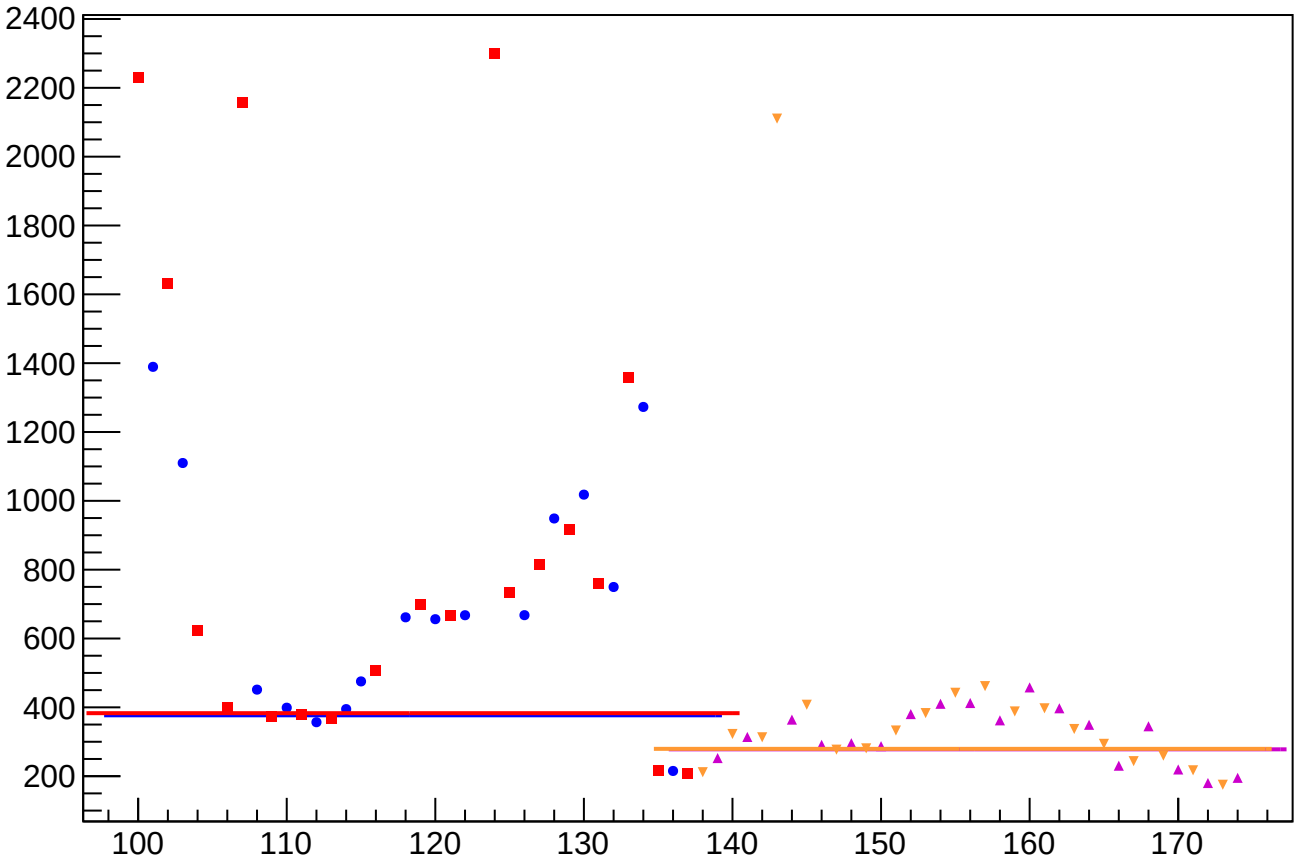
Left In: -138.419+/-75.356 χ^2/NDF:12.8/17

\+ sign -238.000+/-69.862 χ^2/NDF: 57.7/34

All: -191.718+/-49.043 χ^2/NDF: 86.0/71

\- sign -146.751+/-68.863 χ^2/NDF: 27.5/36

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 279.401+/-0.054 χ^2/NDF:3269761.7/18

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

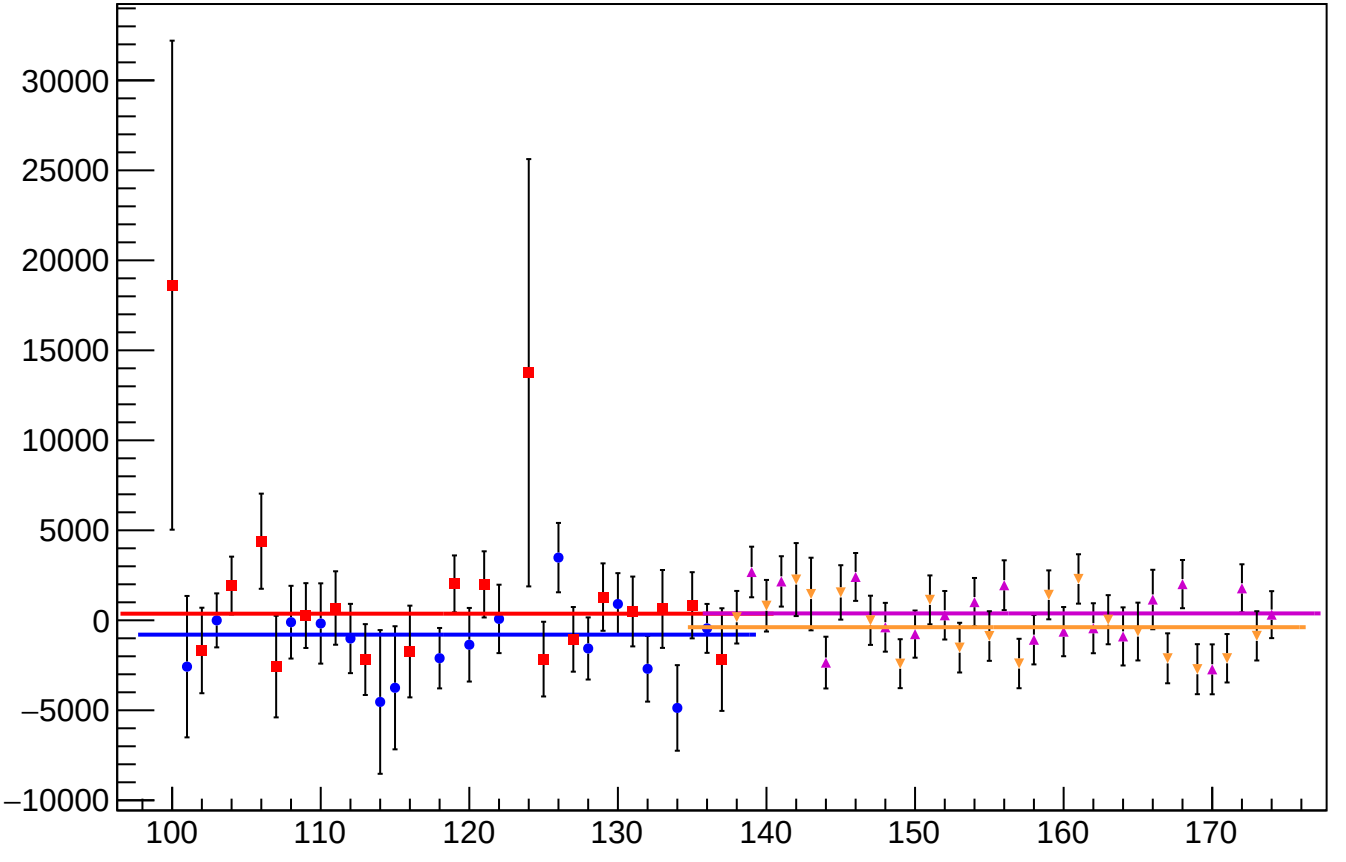
Left In: 278.004+/-0.053 χ^2/NDF:2165381.0/17

+ sign 296.219+/-0.049 χ^2/NDF: 8015937.0/34

All: 295.769+/-0.035 χ^2/NDF: 14876802.3/71

- 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: -382.858+/-329.647 χ^2/NDF:23.3/18

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

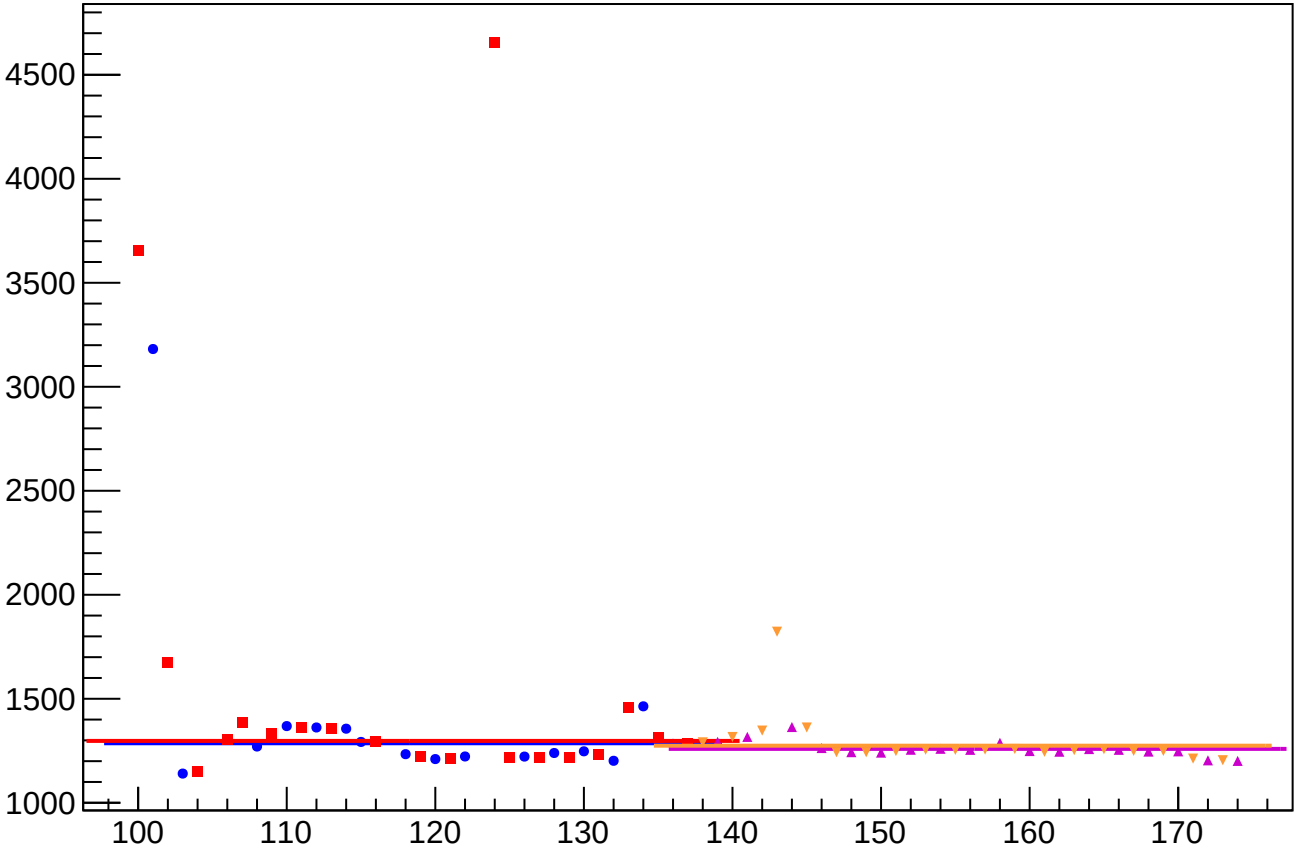
Left In: 382.583+/-326.503 χ^2/NDF:23.3/17

+ sign -512.785+/-273.067 χ^2/NDF: 37.3/34

All: -64.197+/-192.382 χ^2/NDF: 81.6/71

- 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: 1274.426+/-0.233 χ^2/NDF:175551.3/18

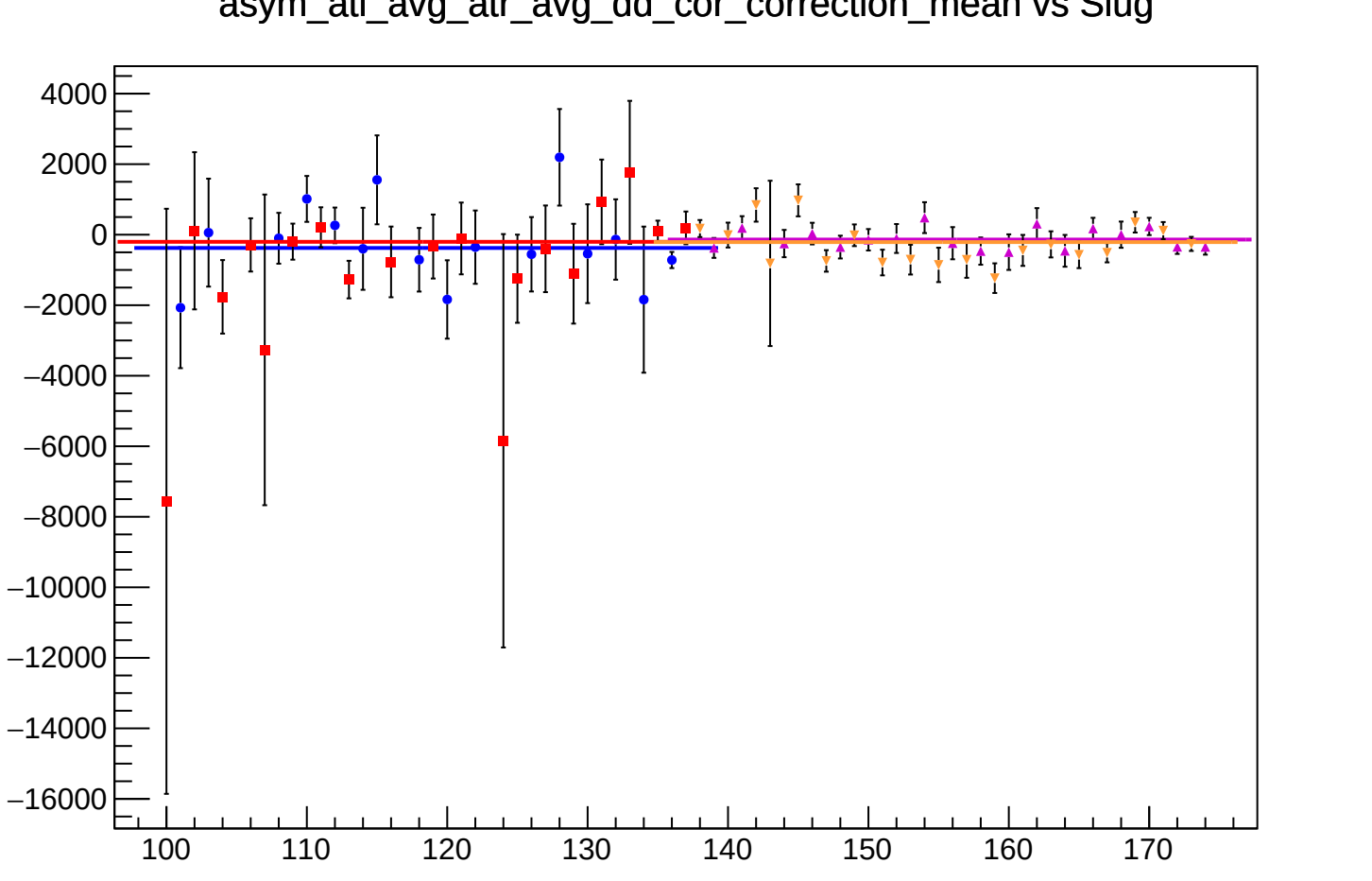
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

+ sign 1278.088+/-0.193 χ^2/NDF: 694466.4/34

All: 1274.497+/-0.136 χ^2/NDF: 1056291.8/71

- 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: -209.973+/-76.802 χ^2/NDF:38.7/18

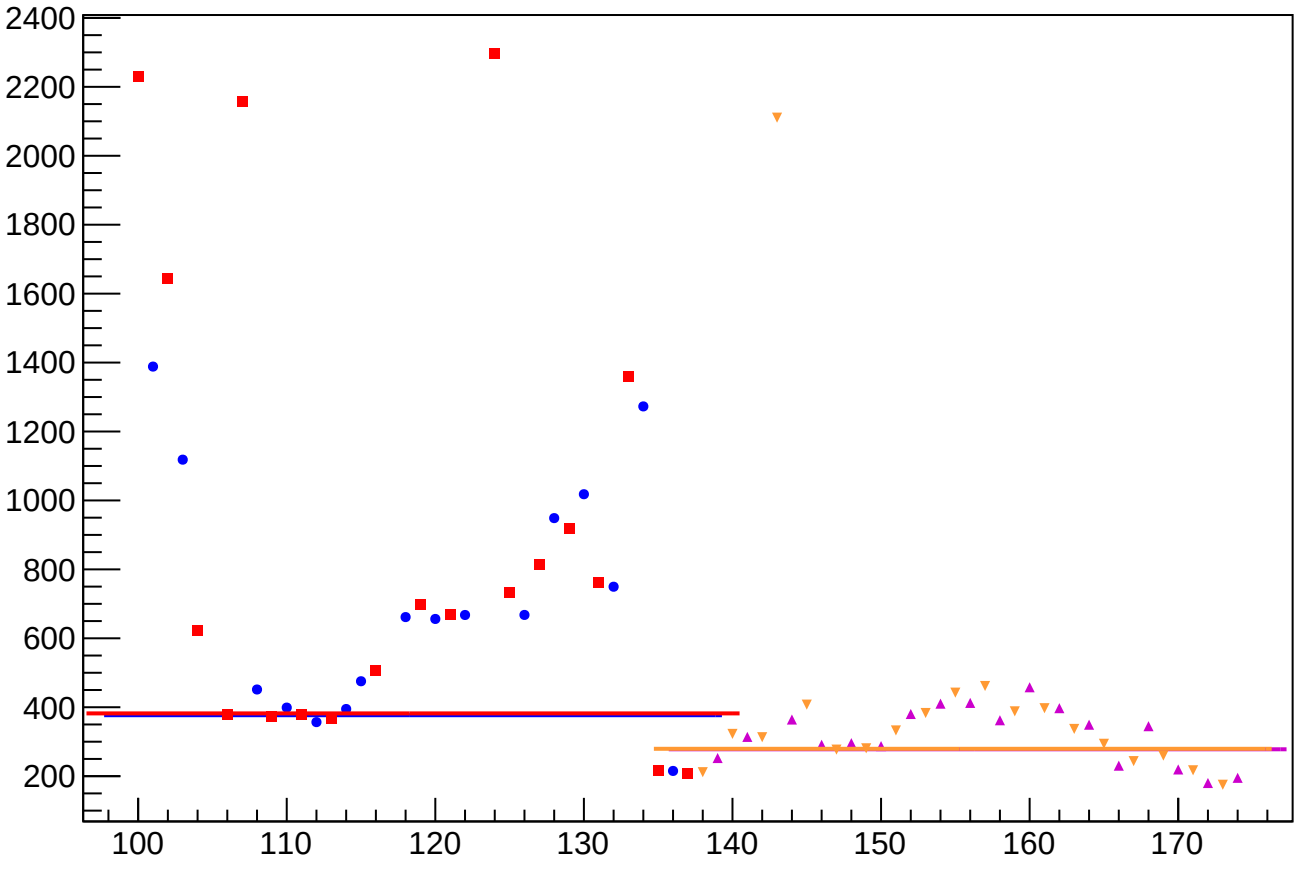
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -138.492+/-75.357 χ^2/NDF:12.8/17

+ sign -238.743+/-69.865 χ^2/NDF: 57.5/34

All: -193.220+/-49.039 χ^2/NDF: 85.2/71

- 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: 279.410+/-0.054 χ^2/NDF:3269537.0/18

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

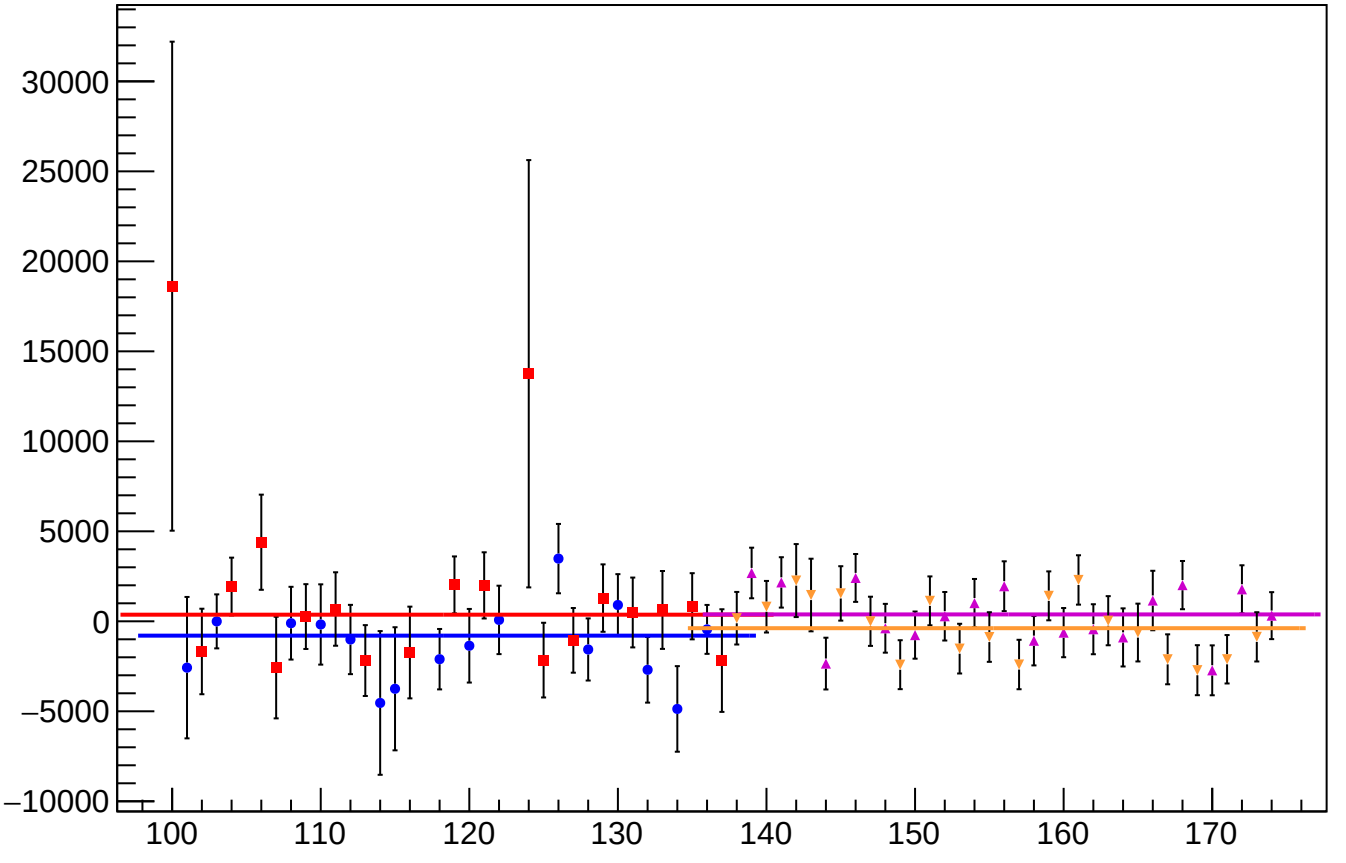
Left In: 278.011+/-0.053 χ^2/NDF:2165200.3/17

+ sign 296.223+/-0.049 χ^2/NDF: 8018524.5/34

All: 295.712+/-0.035 χ^2/NDF: 14874486.3/71

- sign 295.216+/-0.049 χ^2/NDF: 6855751.0/36

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -382.858+/-329.647 χ^2/NDF:23.3/18

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

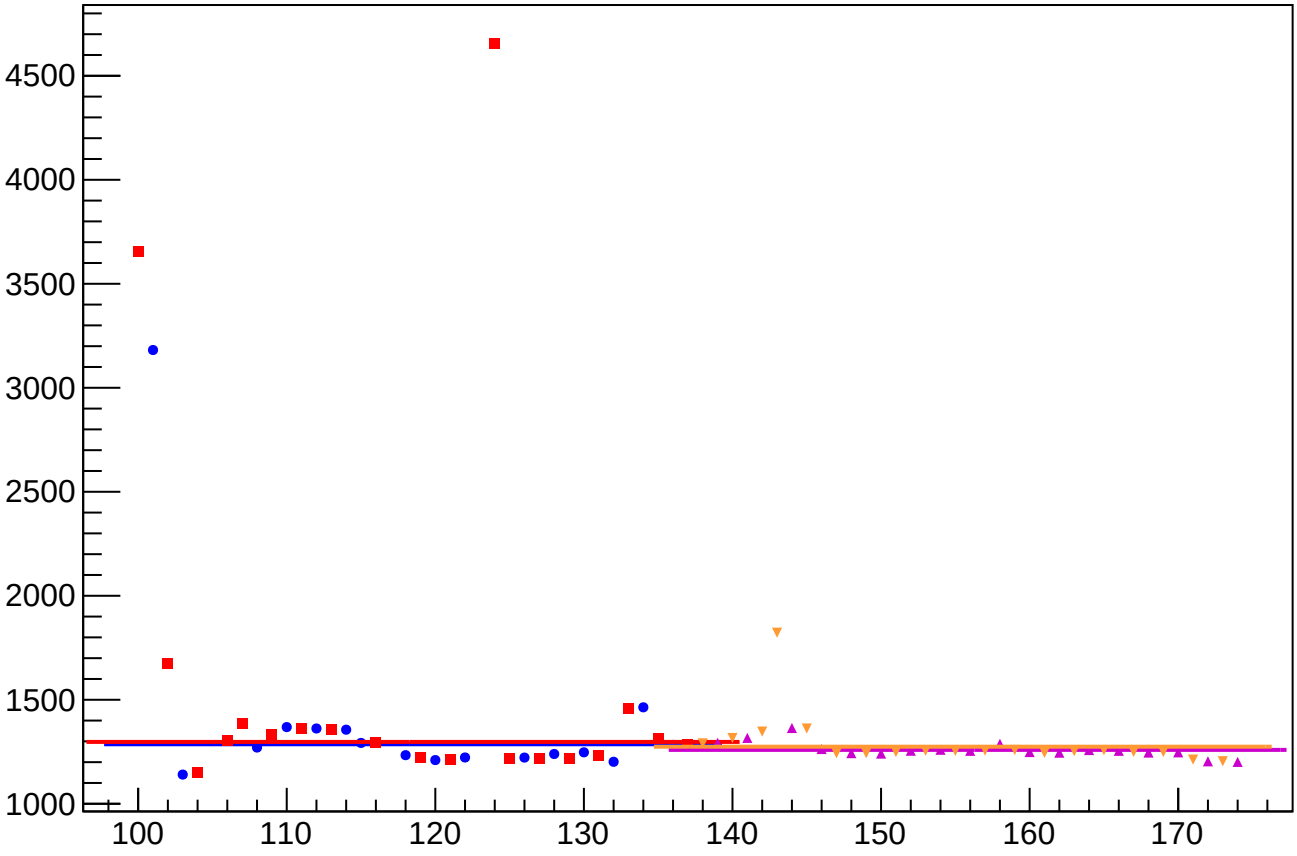
Left In: 382.583+/-326.503 χ^2/NDF:23.3/17

+ sign -512.785+/-273.067 χ^2/NDF: 37.3/34

All: -64.197+/-192.382 χ^2/NDF: 81.6/71

- 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: 1274.426+/-0.233 χ^2/NDF:175551.3/18

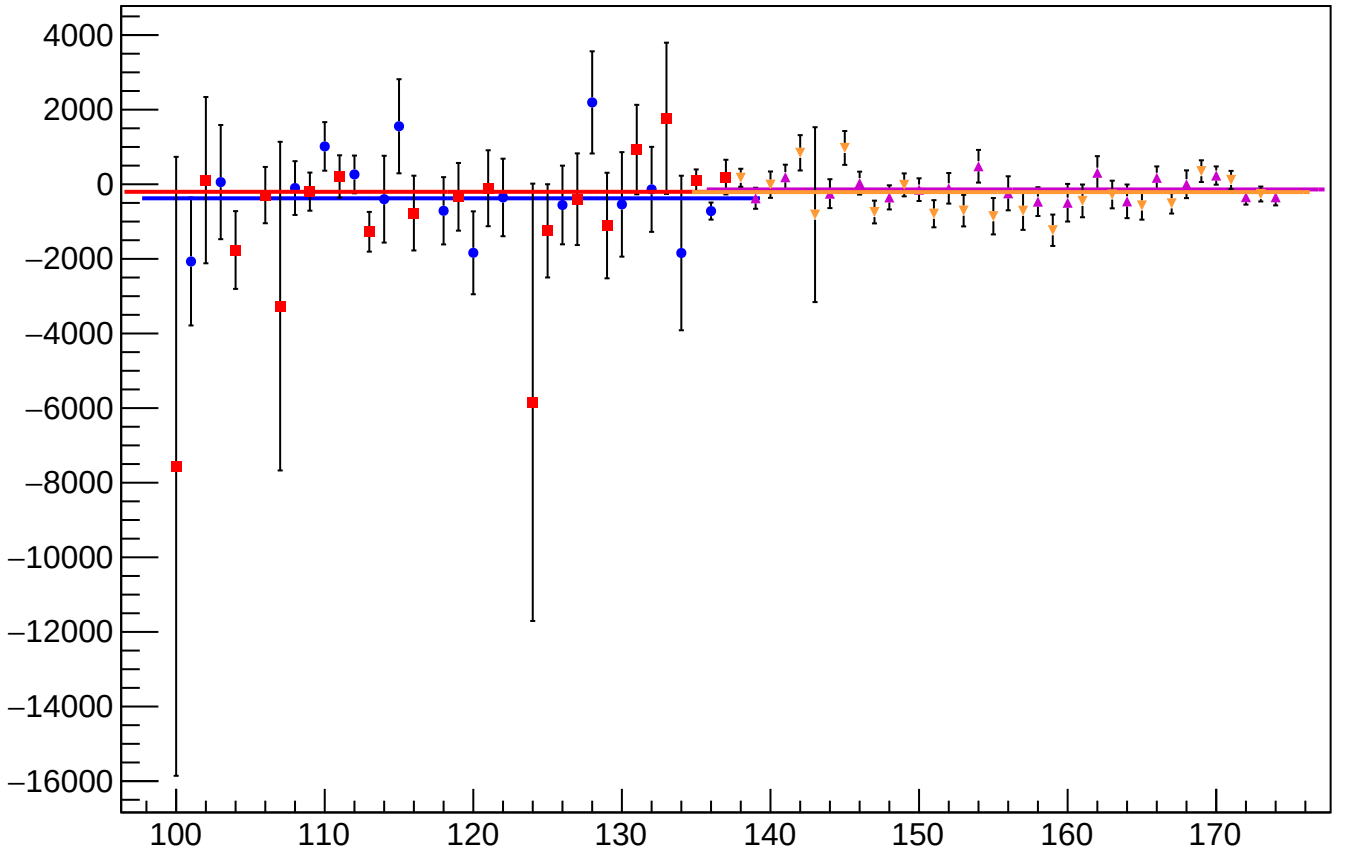
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

+ sign 1278.088+/-0.193 χ^2/NDF: 694466.4/34

All: 1274.497+/-0.136 χ^2/NDF: 1056291.8/71

- 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: -209.973+/-76.802 χ^2/NDF:38.7/18

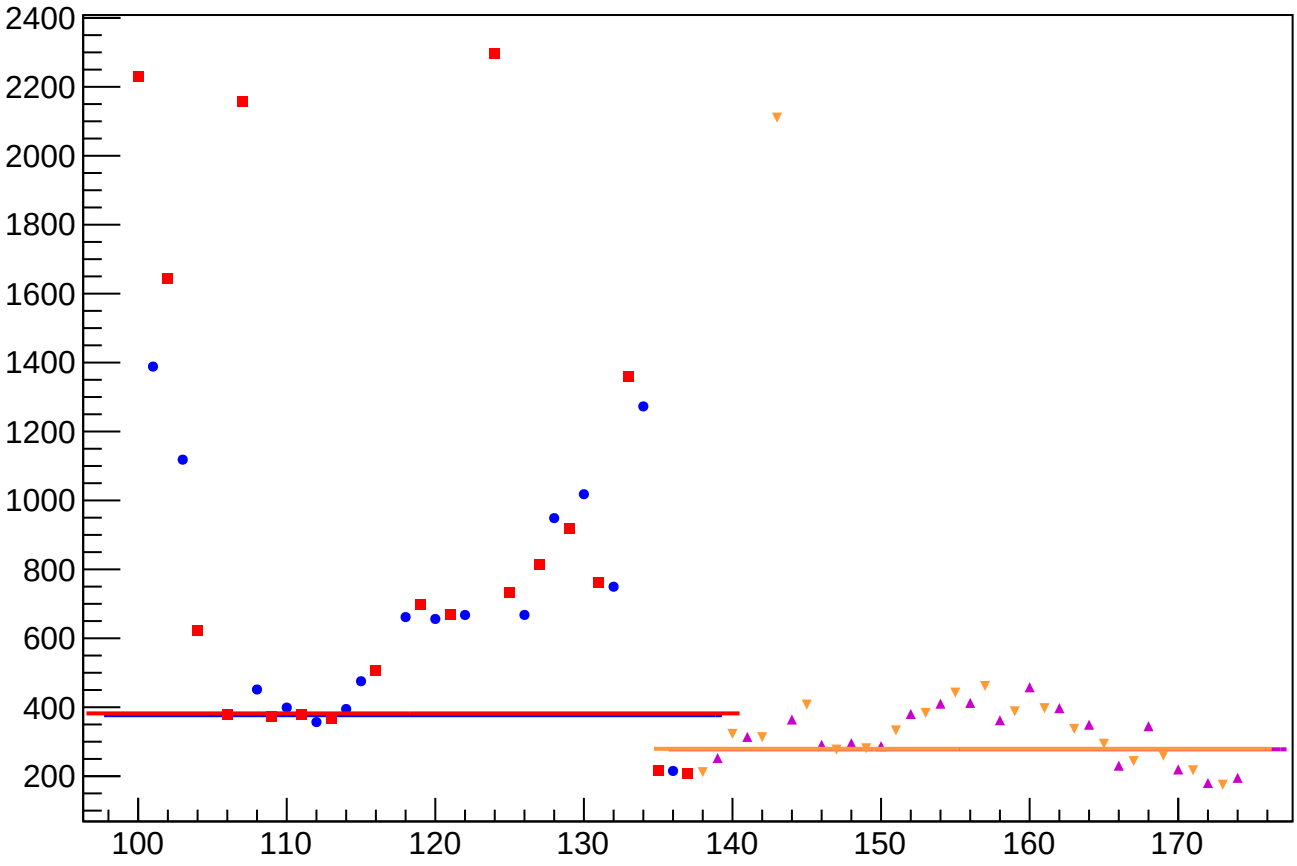
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -138.492+/-75.357 χ^2/NDF:12.8/17

+ sign -238.743+/-69.865 χ^2/NDF: 57.5/34

All: -193.220+/-49.039 χ^2/NDF: 85.2/71

- 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: 279.410+/-0.054 χ^2/NDF:3269537.0/18

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

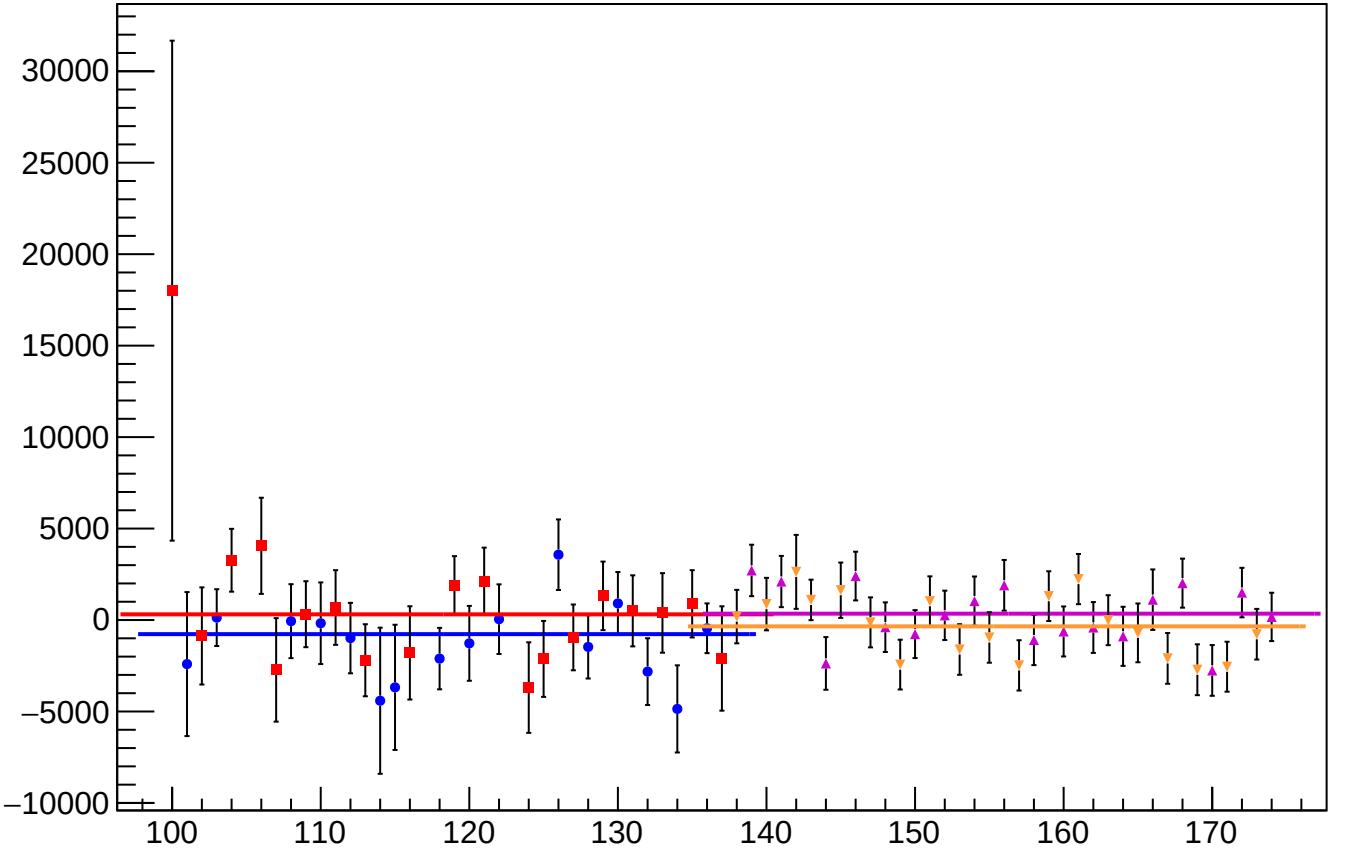
Left In: 278.011+/-0.053 χ^2/NDF:2165200.3/17

+ sign 296.223+/-0.049 χ^2/NDF: 8018524.5/34

All: 295.712+/-0.035 χ^2/NDF: 14874486.3/71

- sign 295.216+/-0.049 χ^2/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: -346.383+/-320.500 χ^2/NDF:25.6/18

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

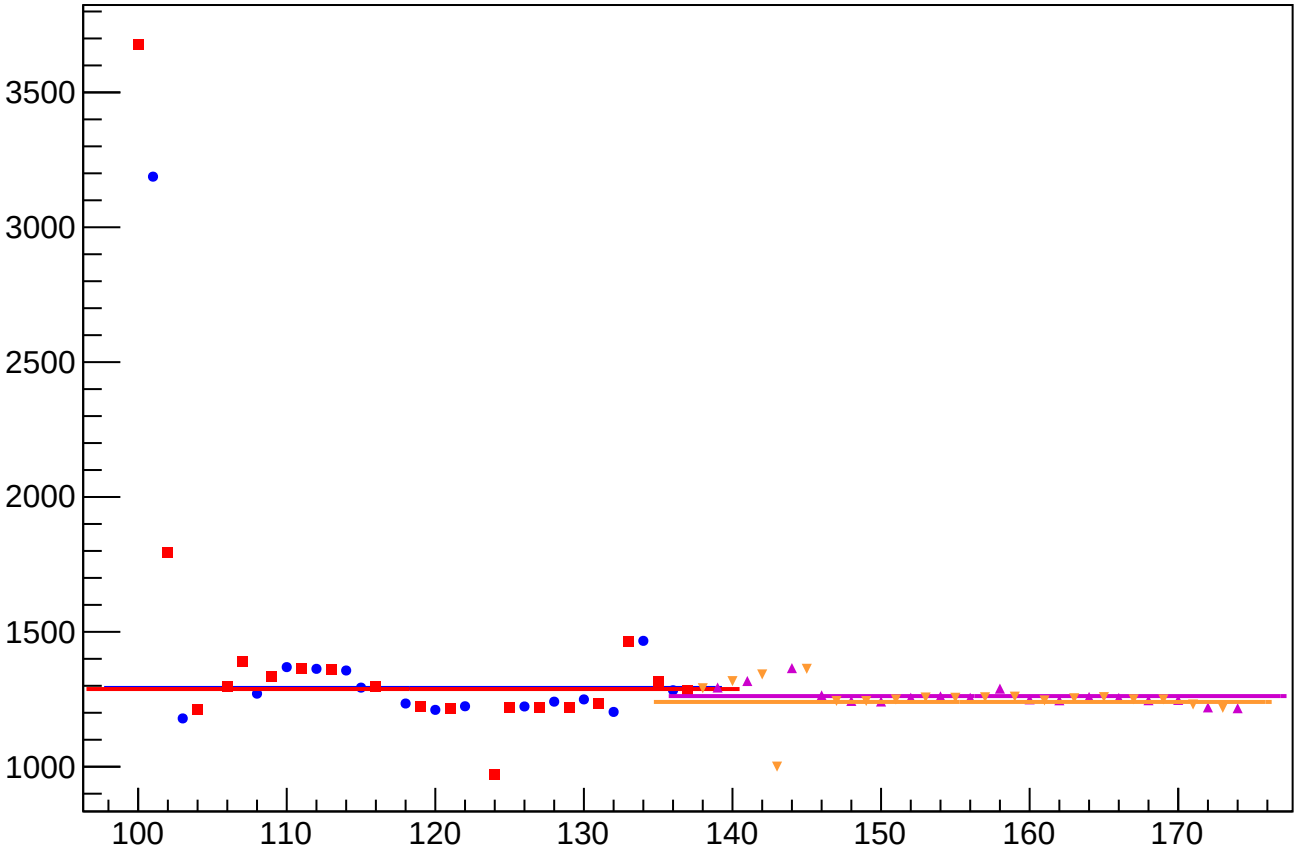
Left In: 347.668+/-327.223 χ^2/NDF:22.9/17

+ sign -473.907+/-268.155 χ^2/NDF: 39.7/34

All: -72.868+/-190.557 χ^2/NDF: 85.1/71

- 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: 1240.137+/-0.227 χ^2/NDF:122947.8/18

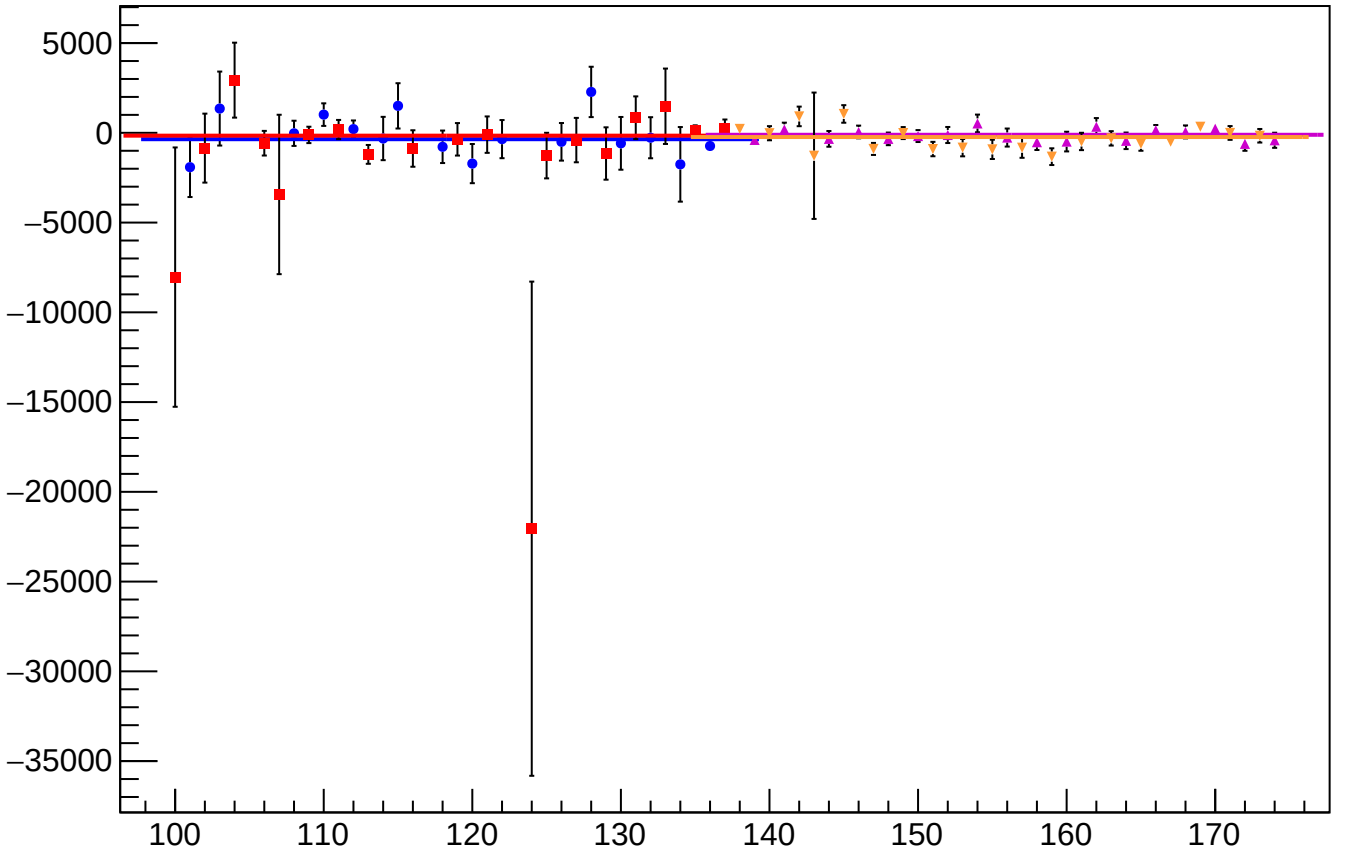
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.887+/-0.231 χ^2/NDF:21446.4/17

+ sign 1255.706+/-0.190 χ^2/NDF: 648086.7/34

All: 1262.835+/-0.135 χ^2/NDF: 885604.2/71

- 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: -234.611+/-88.044 χ^2/NDF:38.9/18

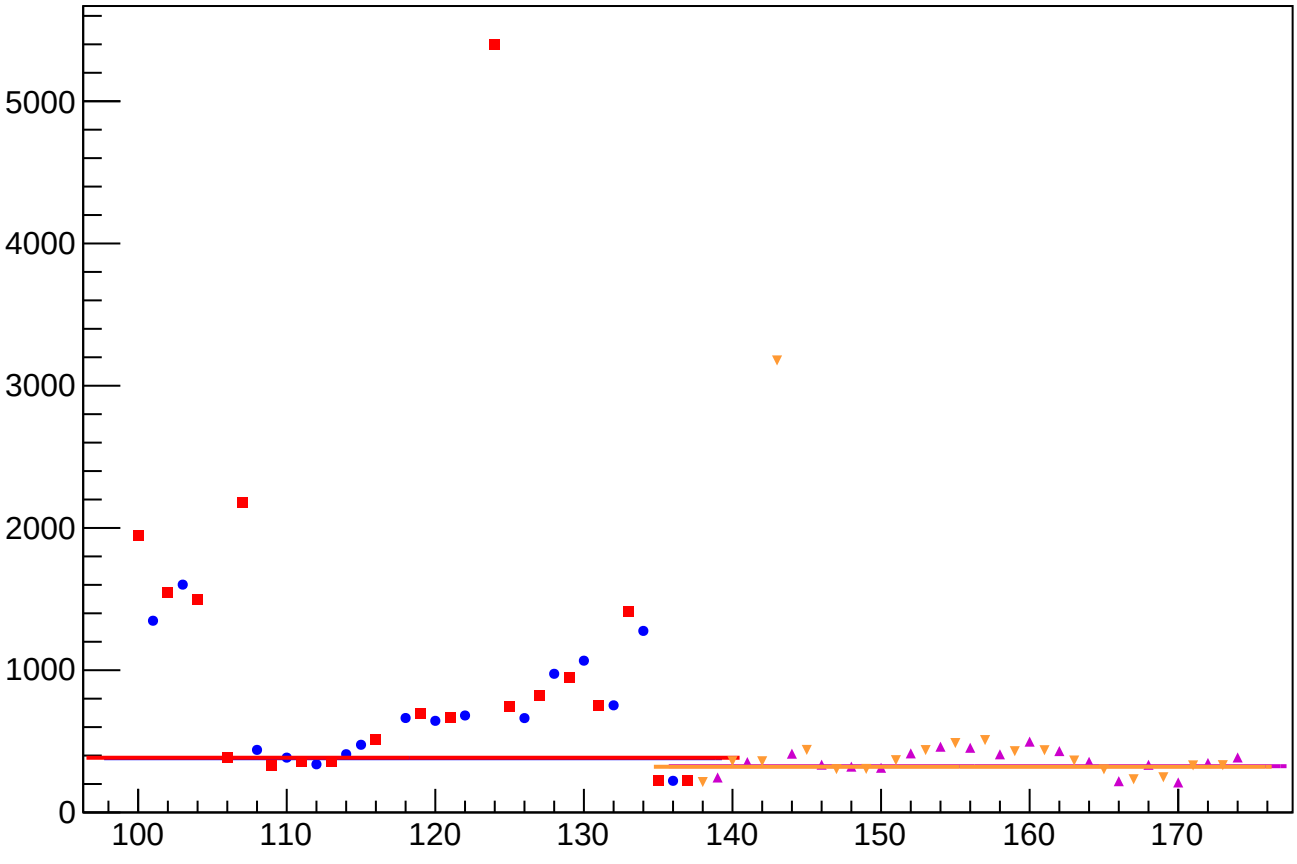
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -109.070+/-87.398 χ^2/NDF:12.4/17

\+ sign -260.128+/-78.178 χ^2/NDF: 57.8/34

All: -189.285+/-55.109 χ^2/NDF: 87.7/71

\- 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: 321.261+/-0.062 χ^2/NDF:3046274.4/18

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

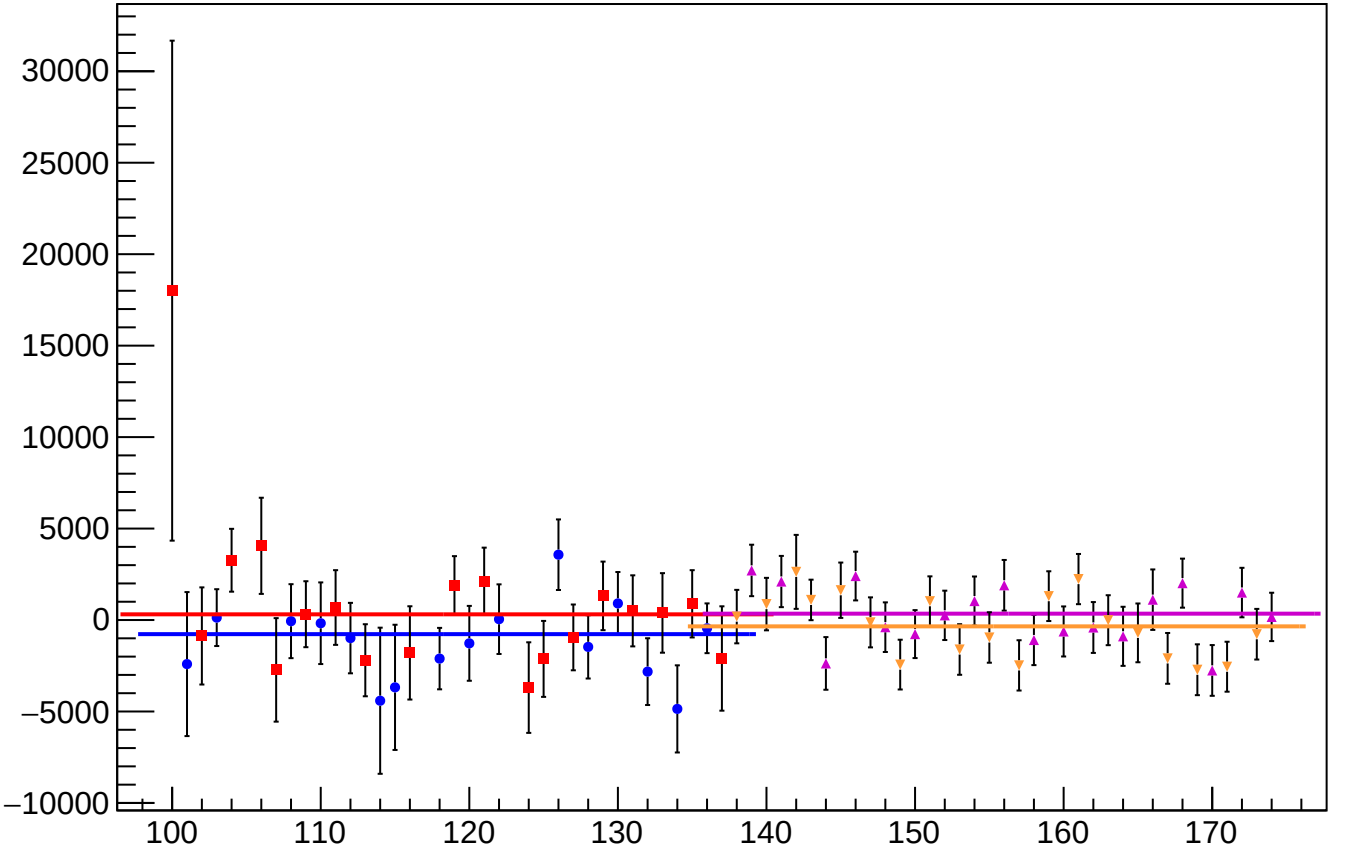
Left In: 325.253+/-0.062 χ^2/NDF:1793354.0/17

+ sign 333.973+/-0.055 χ^2/NDF: 7561271.2/34

All: 335.853+/-0.039 χ^2/NDF: 14110849.4/71

- 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: -346.382+/-320.500 χ^2/NDF:25.6/18

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

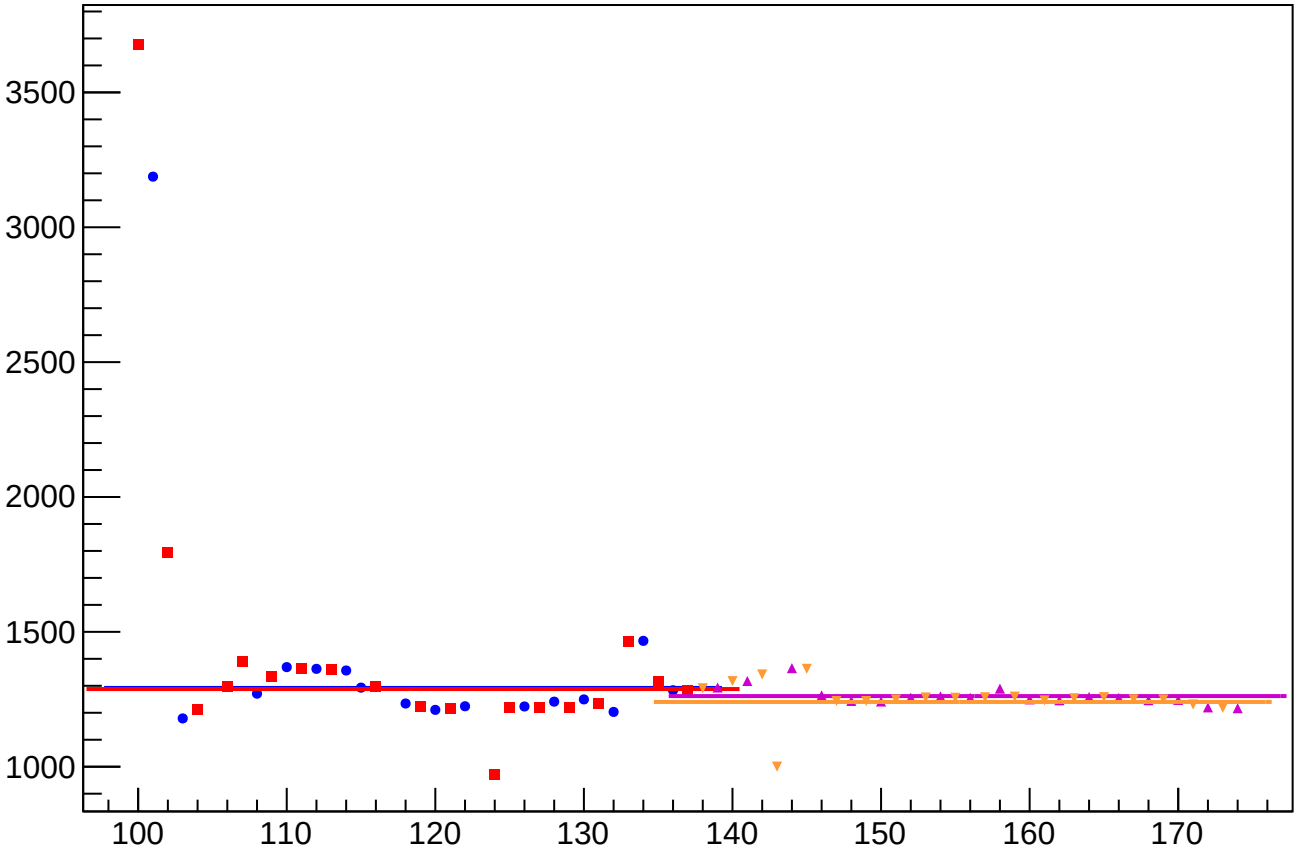
Left In: 347.668+/-327.223 χ^2/NDF:22.9/17

\+ sign -473.907+/-268.155 χ^2/NDF: 39.7/34

All: -72.868+/-190.557 χ^2/NDF: 85.1/71

\- 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: 1240.137+/-0.227 χ^2/NDF:122947.0/18

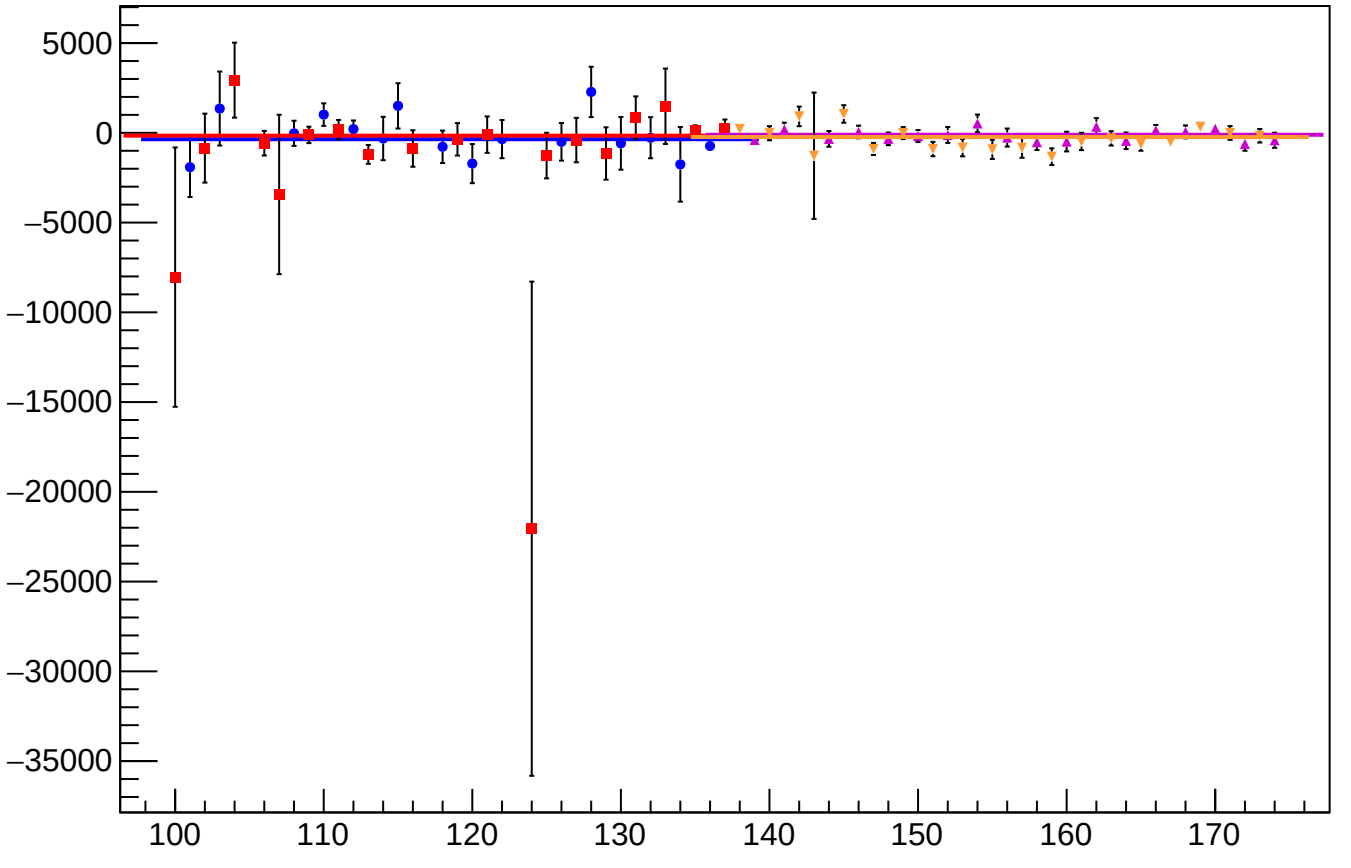
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.887+/-0.231 χ^2/NDF:21446.5/17

+ sign 1255.706+/-0.190 χ^2/NDF: 648085.8/34

All: 1262.835+/-0.135 χ^2/NDF: 885603.8/71

- 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: -234.618+/-88.045 χ^2/NDF:38.9/18

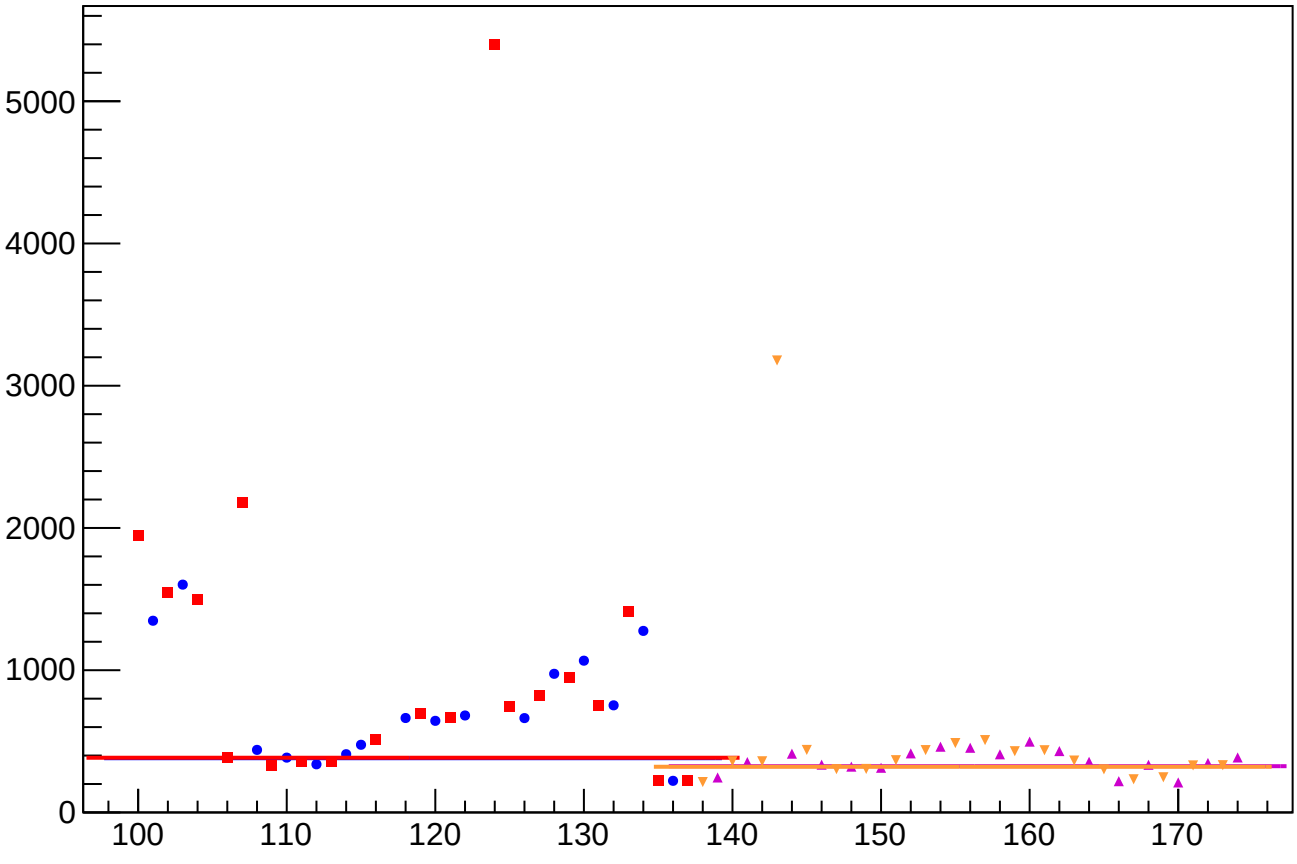
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -109.068+/-87.398 χ^2/NDF:12.4/17

+ sign -260.133+/-78.179 χ^2/NDF: 57.8/34

All: -189.287+/-55.109 χ^2/NDF: 87.7/71

- 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: 321.264+/-0.062 χ^2/NDF:3046148.3/18

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

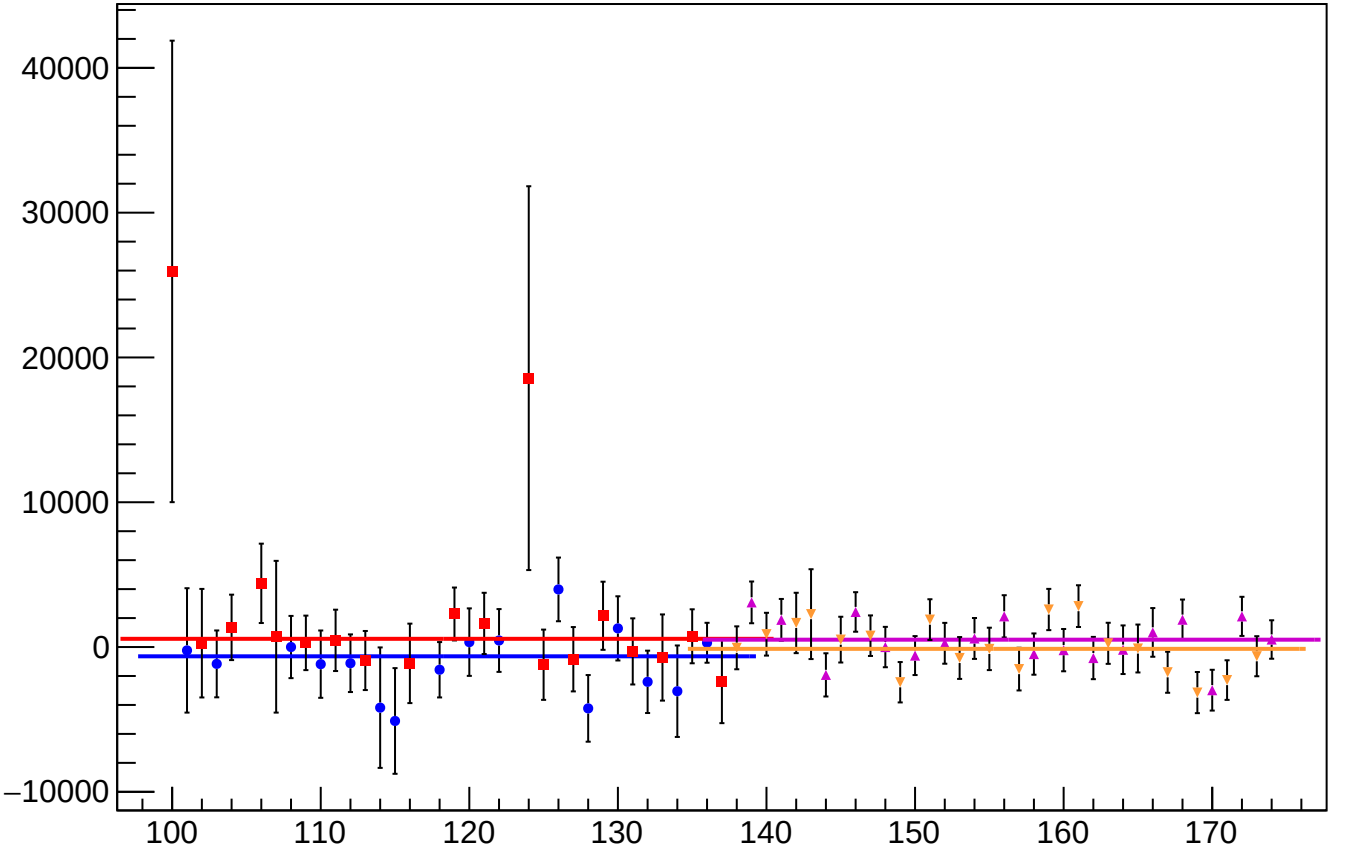
Left In: 325.255+/-0.062 χ^2/NDF:1793288.1/17

+ sign 333.977+/-0.055 χ^2/NDF: 7561003.1/34

All: 335.856+/-0.039 χ^2/NDF: 14110411.4/71

- 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: -125.697+/-343.650 χ^2/NDF:24.6/18

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

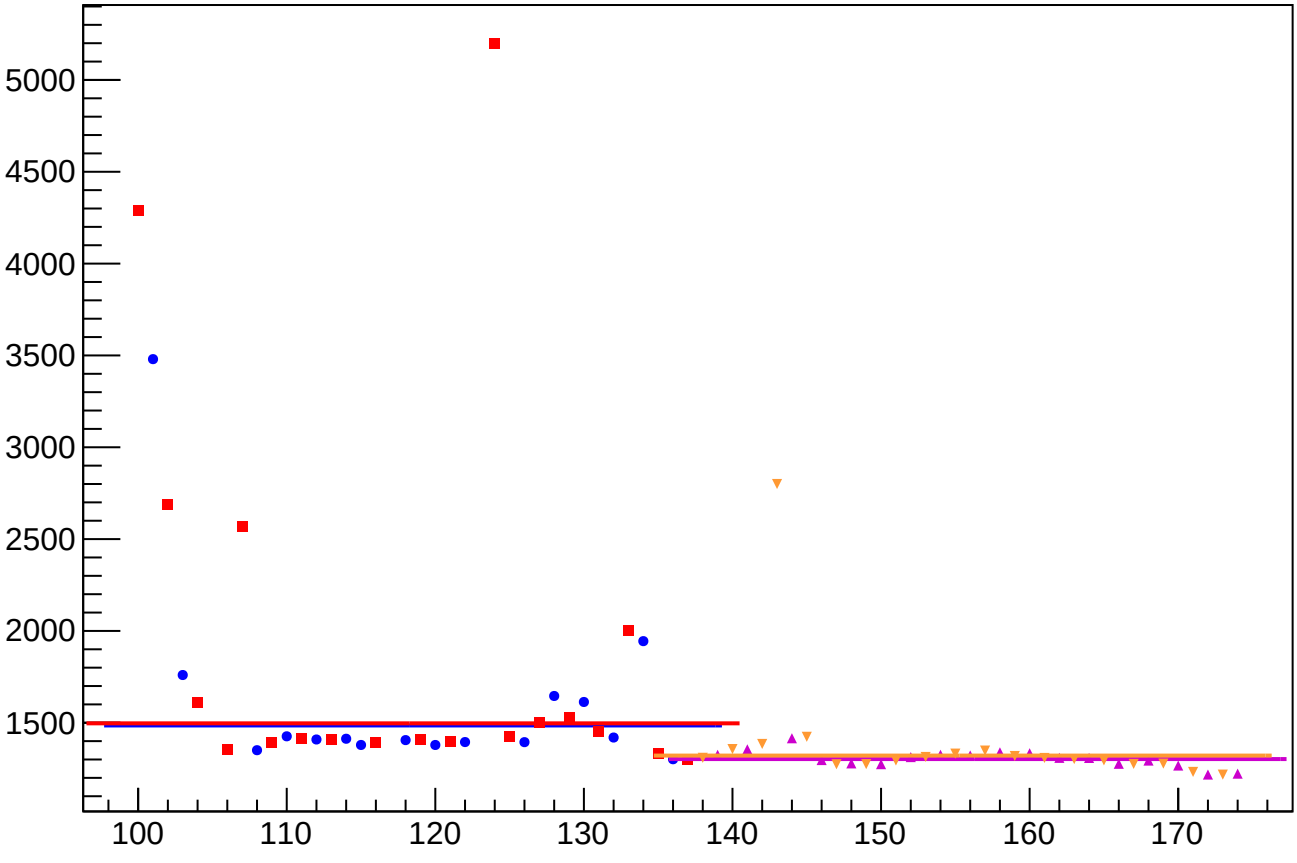
Left In: 507.426+/-337.810 χ^2/NDF:21.1/17

+ sign -265.031+/-293.517 χ^2/NDF: 37.7/34

All: 133.547+/-206.357 χ^2/NDF: 73.7/71

- 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: 1321.317+/-0.243 χ^2/NDF:496388.0/18

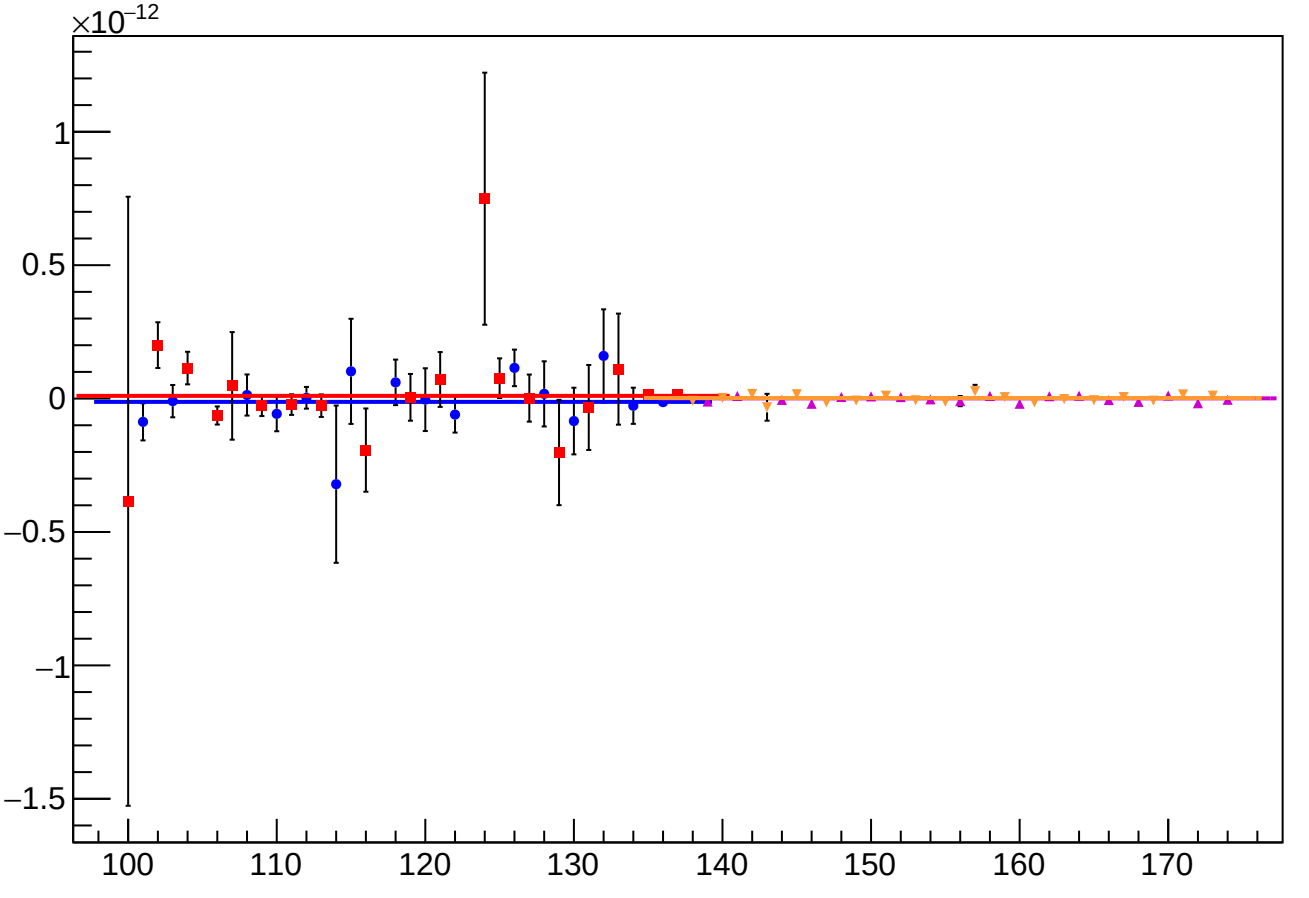
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1302.358+/-0.239 χ^2/NDF:36321.7/17

+ sign 1365.691+/-0.208 χ^2/NDF: 1204144.2/34

All: 1359.447+/-0.146 χ^2/NDF: 2039355.2/71

- 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:18.2/18

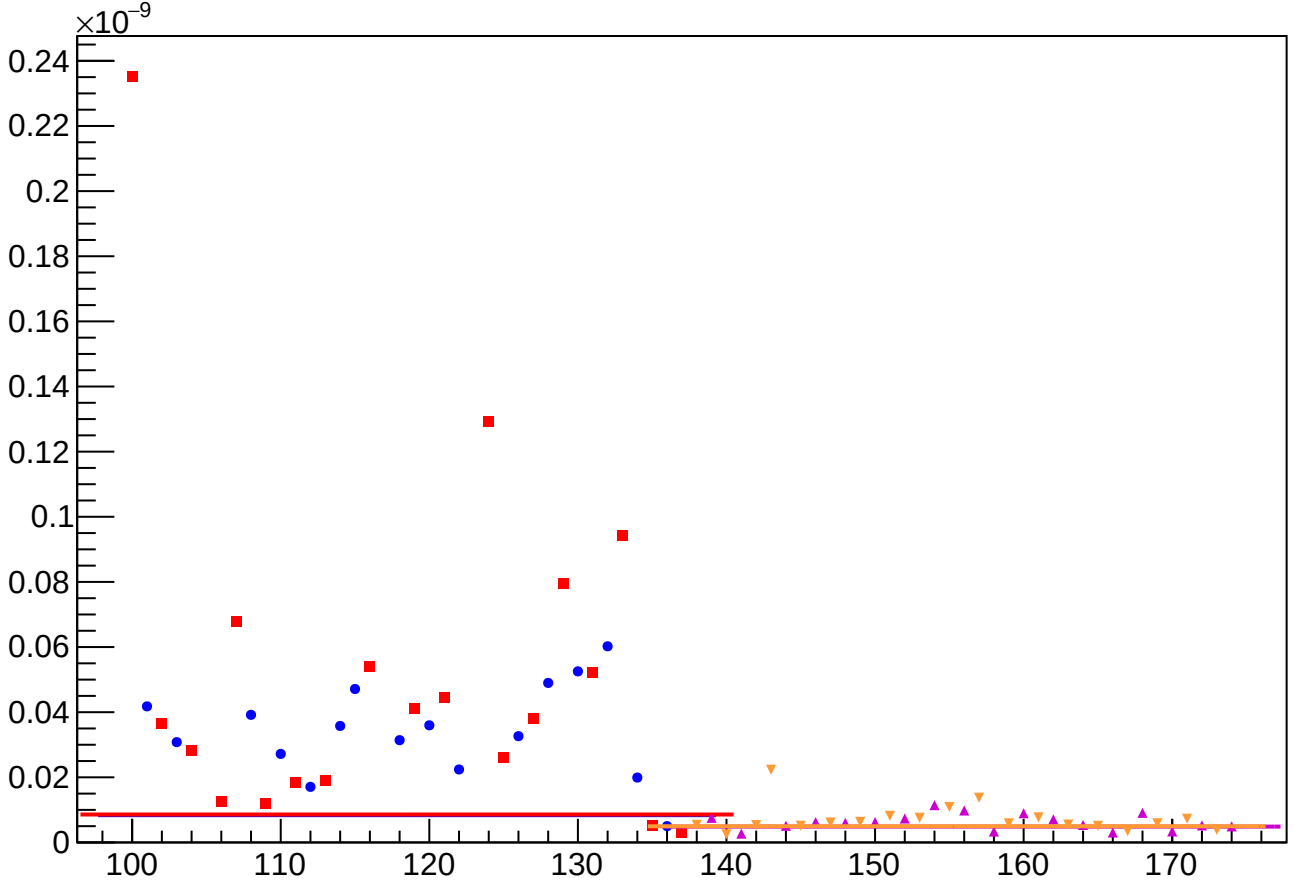
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:21.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 31.2/34

All: 0.000+/-0.000 χ^2/NDF: 76.5/71

- 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:1880418.0/18

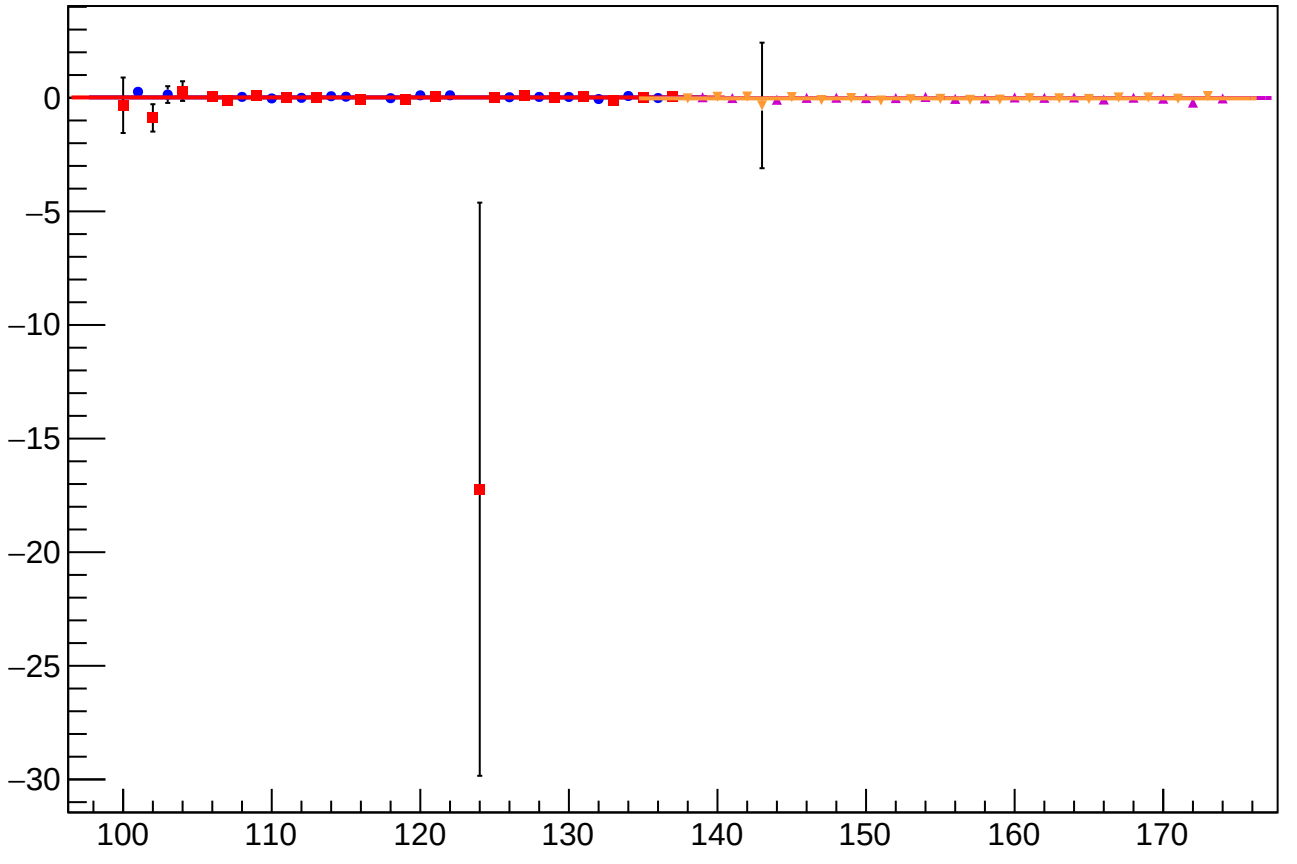
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1690564.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 5326709.4/34

All: 0.000+/-0.000 χ^2/NDF: 10767564.9/71

- 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:23.7/18

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

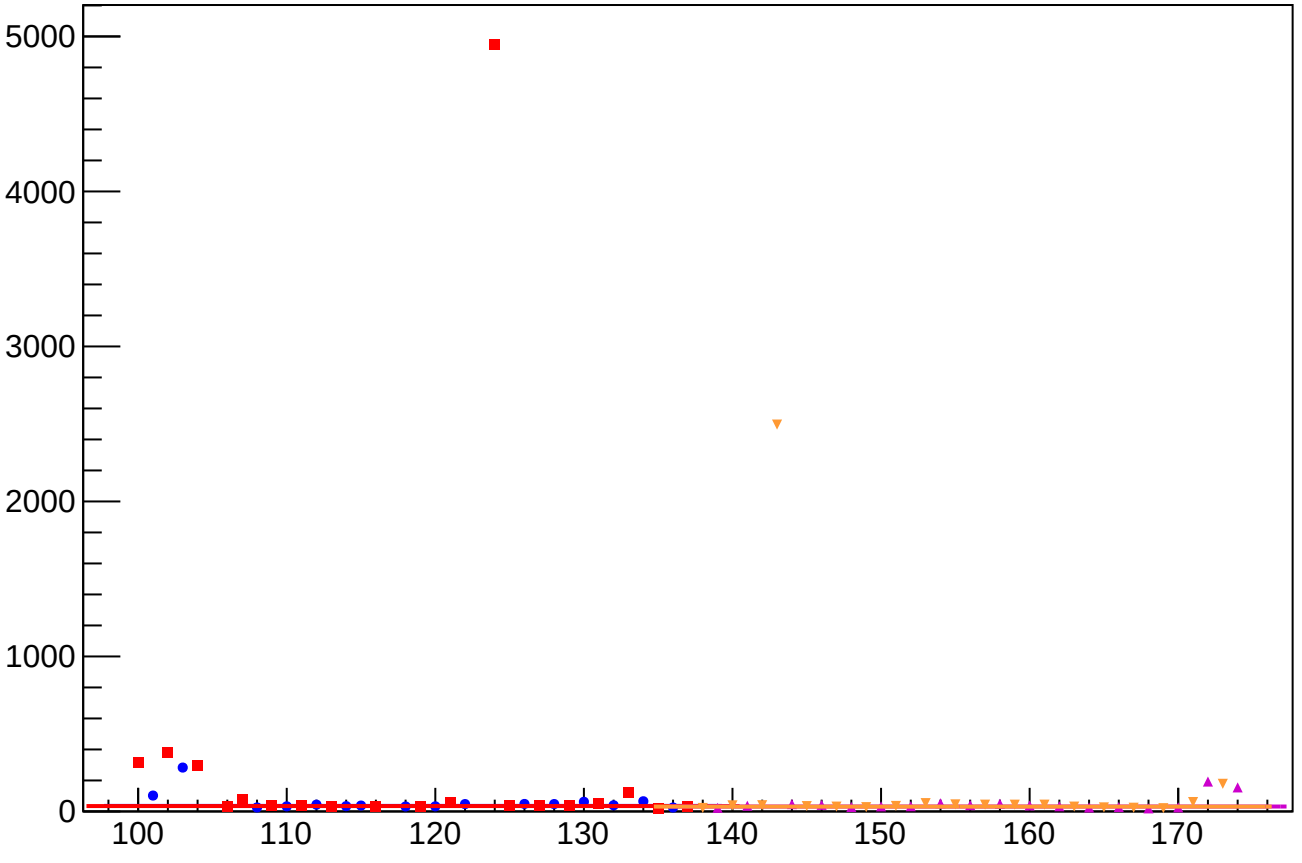
Left In: -0.011+/-0.010 χ^2/NDF:10.7/17

+ sign -0.015+/-0.008 χ^2/NDF: 41.0/34

All: -0.010+/-0.006 χ^2/NDF: 70.4/71

- 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: 31.370+/-0.007 χ^2/NDF:4431631.9/18

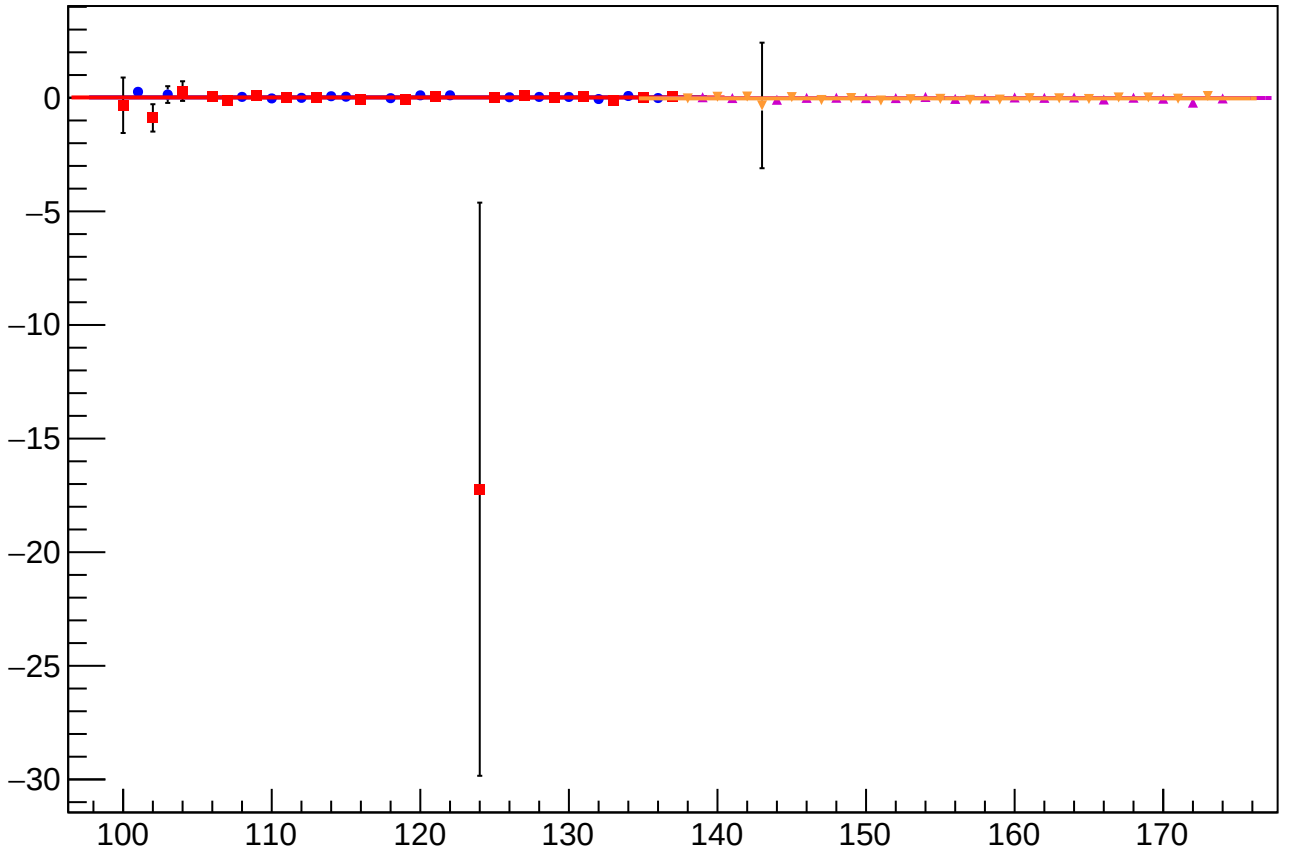
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.832+/-0.007 χ^2/NDF:3762182.0/17

+ sign 32.578+/-0.006 χ^2/NDF: 6812383.9/34

All: 32.606+/-0.004 χ^2/NDF: 13541305.2/71

- 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:23.7/18

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

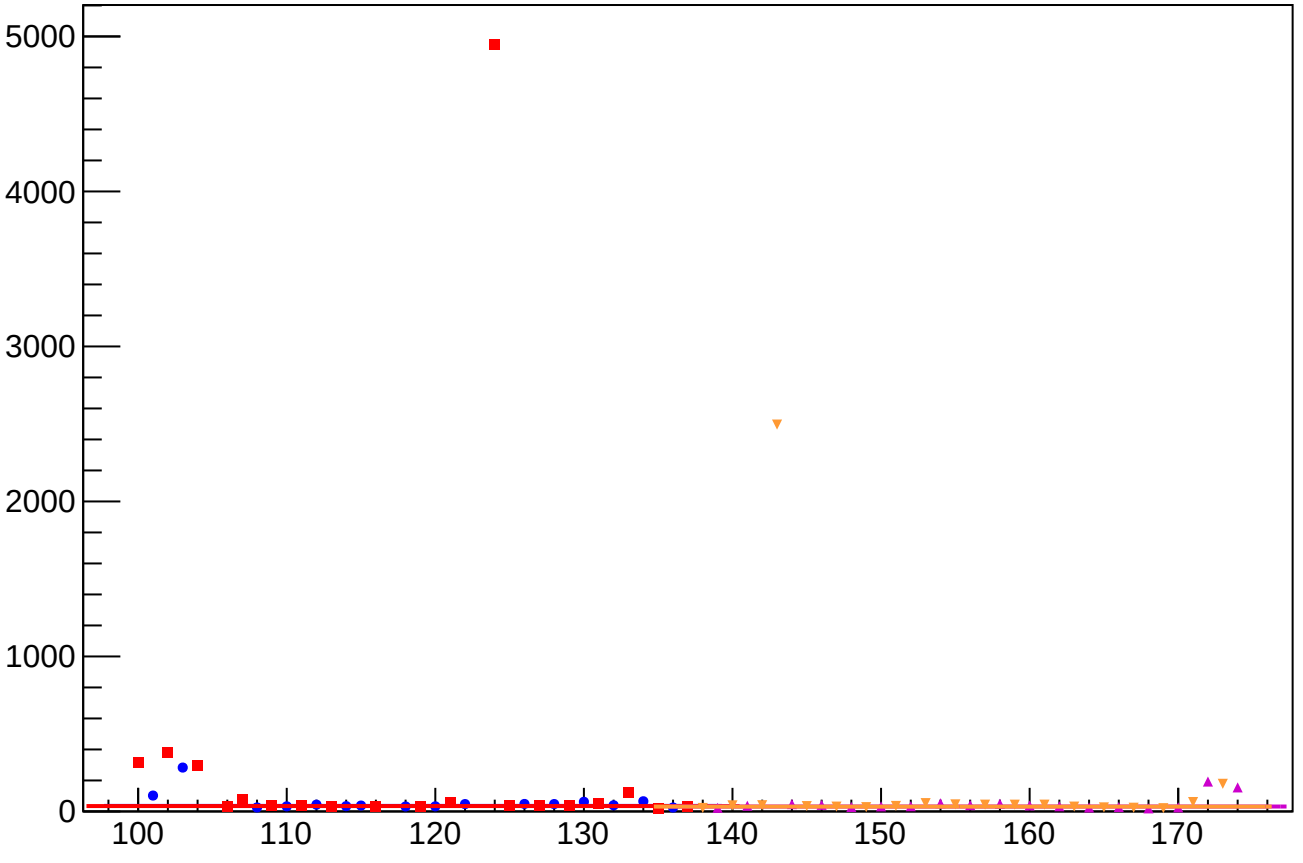
Left In: -0.011+/-0.010 χ^2/NDF:10.7/17

\+ sign -0.015+/-0.008 χ^2/NDF: 41.0/34

All: -0.010+/-0.006 χ^2/NDF: 70.4/71

\- 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: 31.370+/-0.007 χ^2/NDF:4431631.9/18

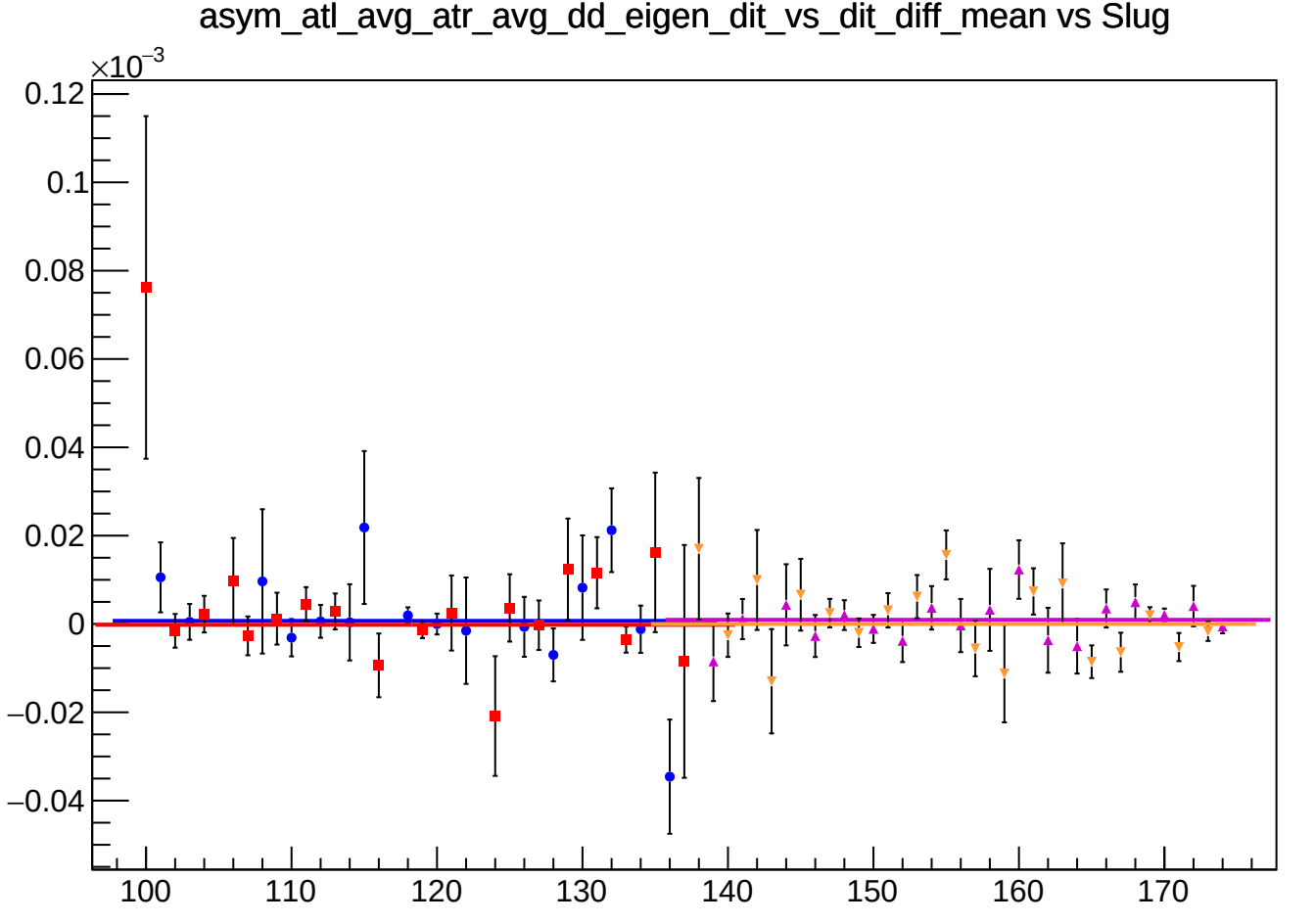
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.832+/-0.007 χ^2/NDF:3762182.0/17

+ sign 32.578+/-0.006 χ^2/NDF: 6812383.9/34

All: 32.606+/-0.004 χ^2/NDF: 13541305.2/71

- 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:31.9/18

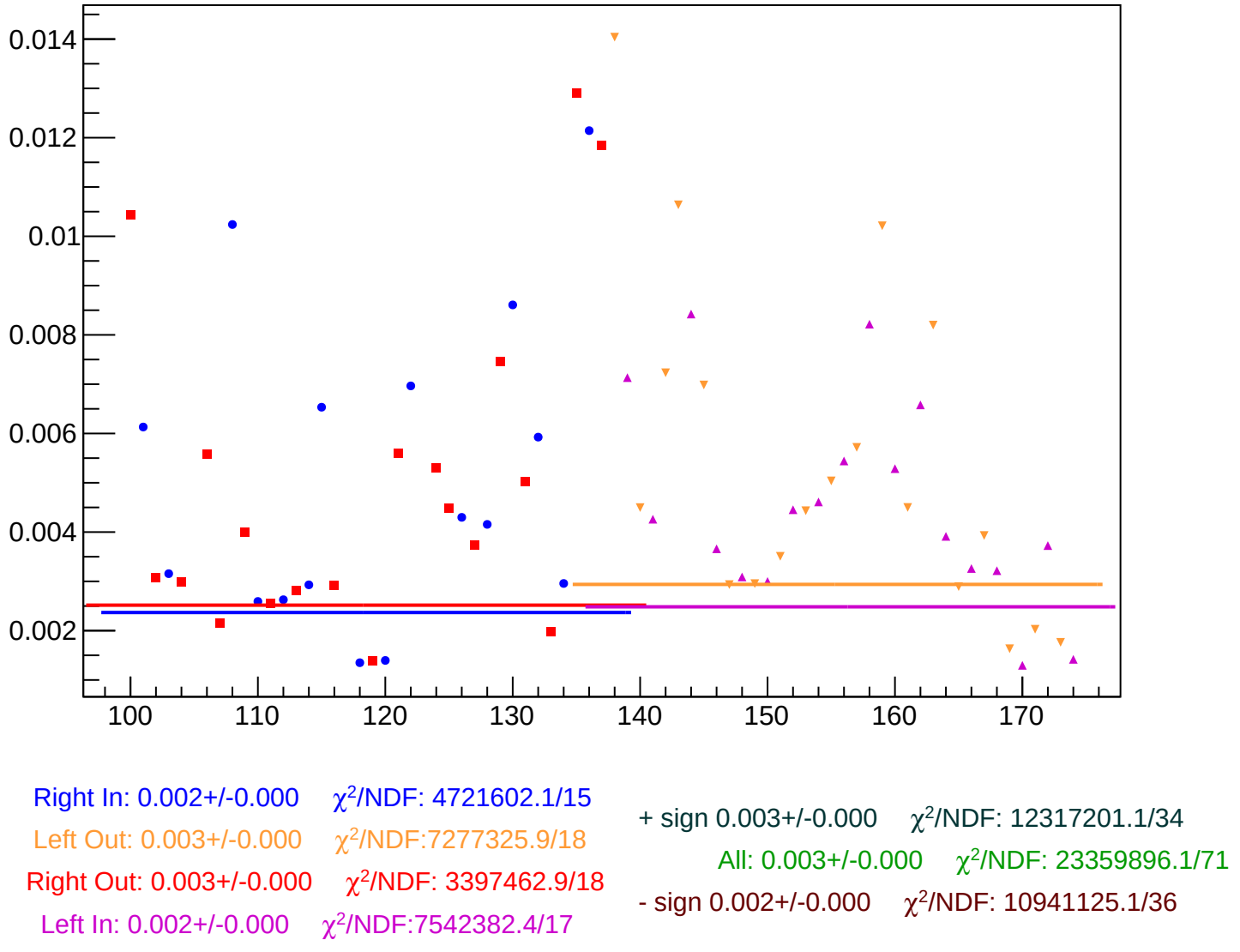
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

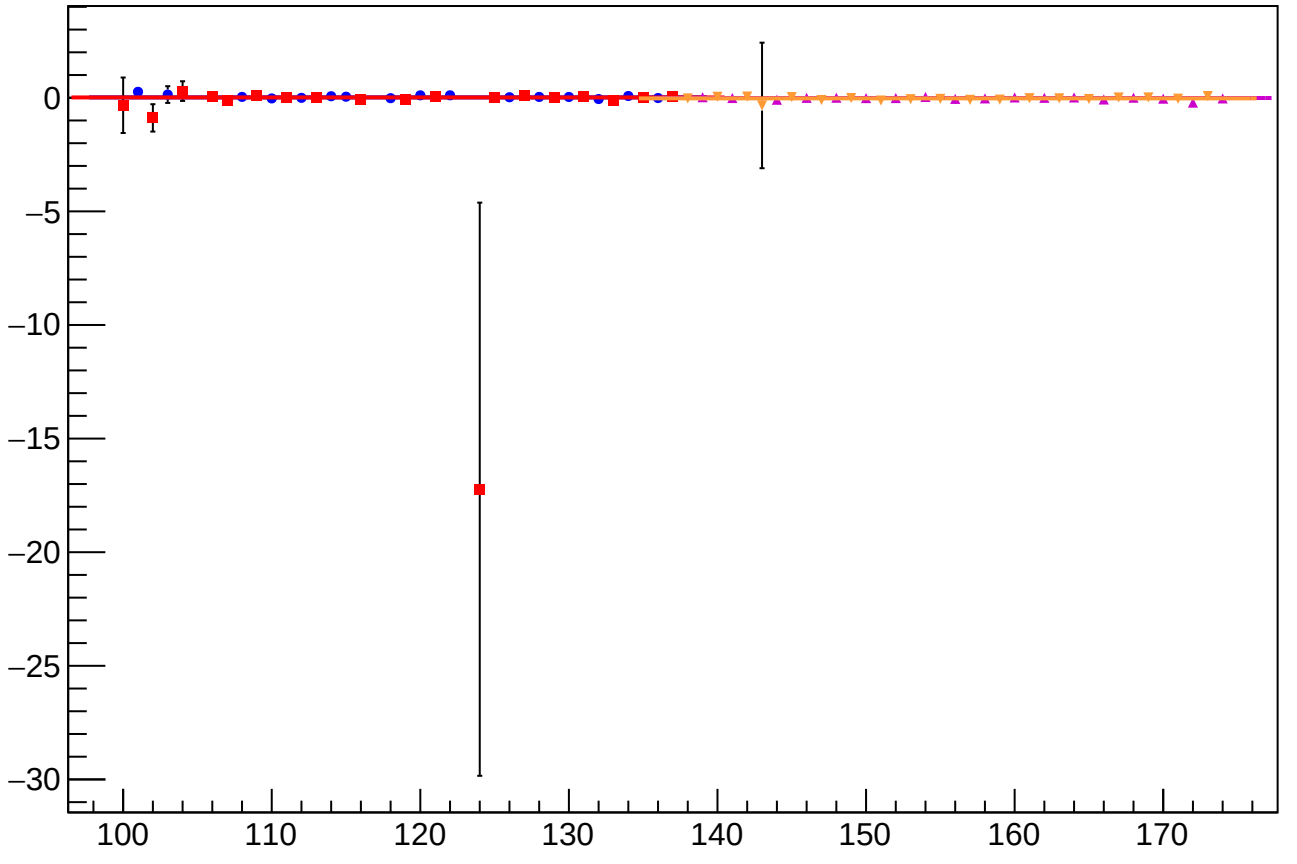
Left In: 0.000+/-0.000 χ^2/NDF:11.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 51.2/34

All: 0.000+/-0.000 χ^2/NDF: 81.5/71

- 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:7277325.9/18
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: 12317201.1/34
All: 0.003+/-0.000 χ²/NDF: 23359896.1/71
- 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:23.7/18

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

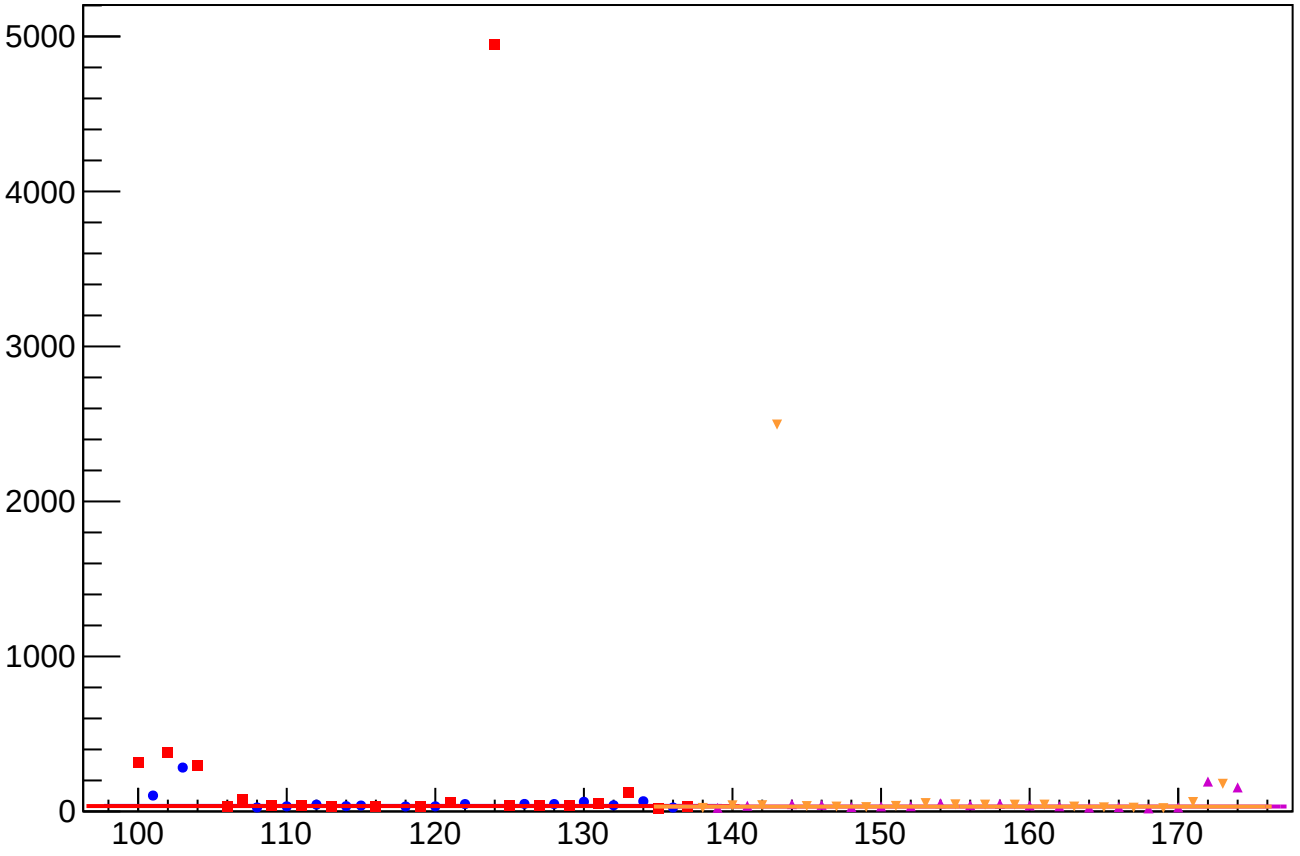
Left In: -0.011+/-0.010 χ^2/NDF:10.7/17

\+ sign -0.015+/-0.008 χ^2/NDF: 41.0/34

All: -0.010+/-0.006 χ^2/NDF: 70.4/71

\- 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: 31.370+/-0.007 χ^2/NDF:4431889.4/18

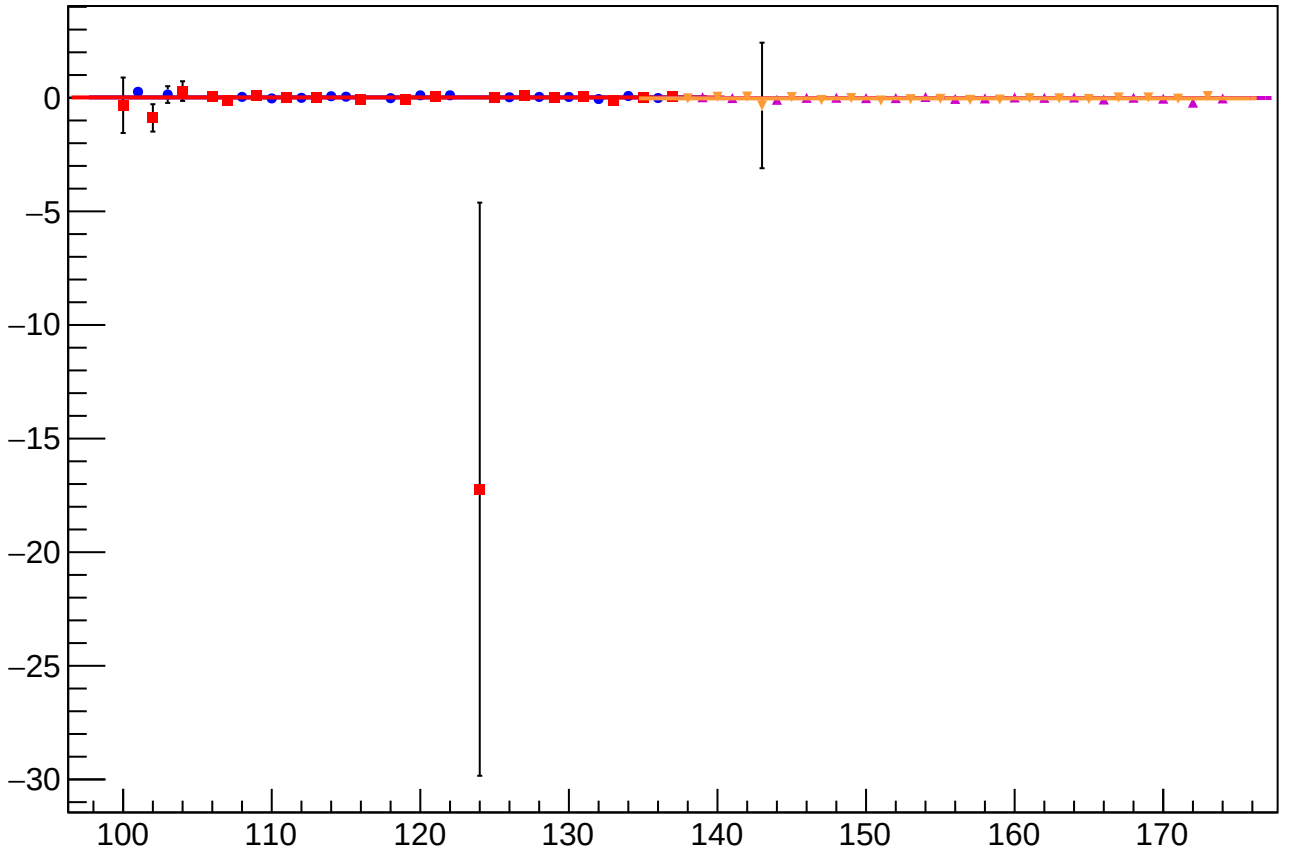
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.830+/-0.007 χ^2/NDF:3762760.2/17

+ sign 32.578+/-0.006 χ^2/NDF: 6812451.9/34

All: 32.606+/-0.004 χ^2/NDF: 13541853.0/71

- 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:23.7/18

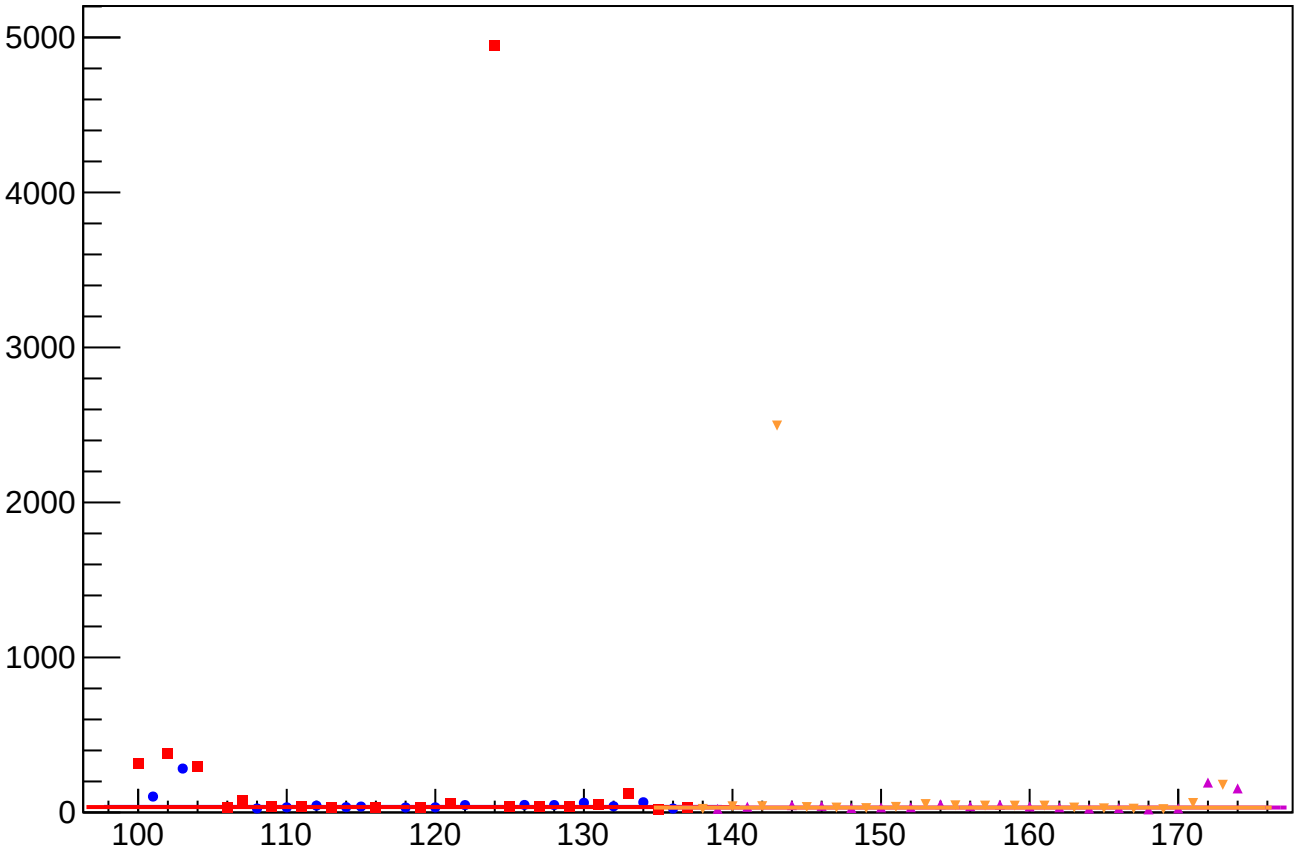
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:10.7/17

\+ sign -0.015+/-0.008 χ^2/NDF: 41.0/34

All: -0.010+/-0.006 χ^2/NDF: 70.4/71

\- sign -0.005+/-0.008 χ^2/NDF: 28.6/36



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.370+/-0.007 χ^2/NDF:4431889.4/18

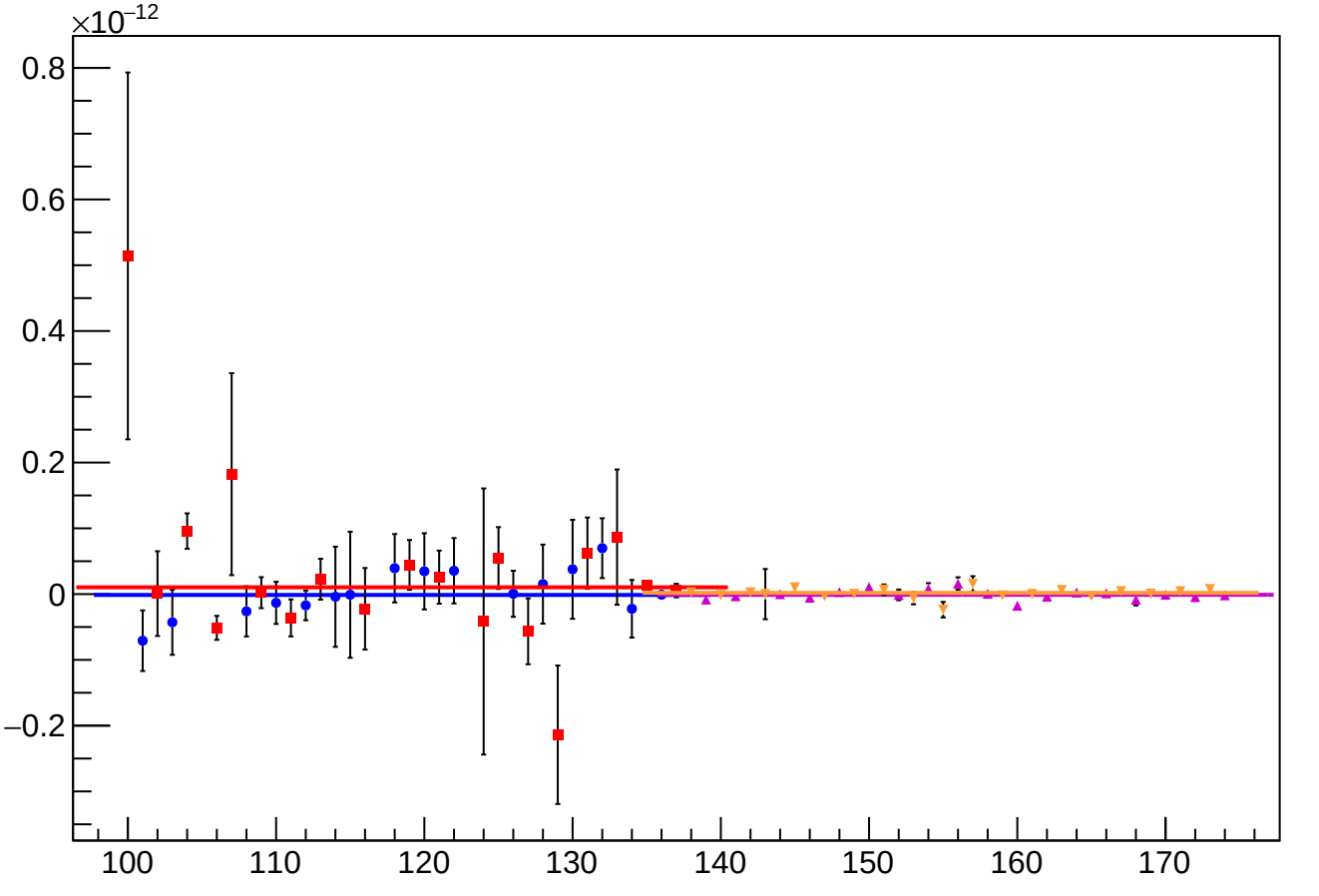
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.830+/-0.007 χ^2/NDF:3762760.2/17

\+ sign 32.578+/-0.006 χ^2/NDF: 6812451.9/34

All: 32.606+/-0.004 χ^2/NDF: 13541853.0/71

\- 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:14.7/18

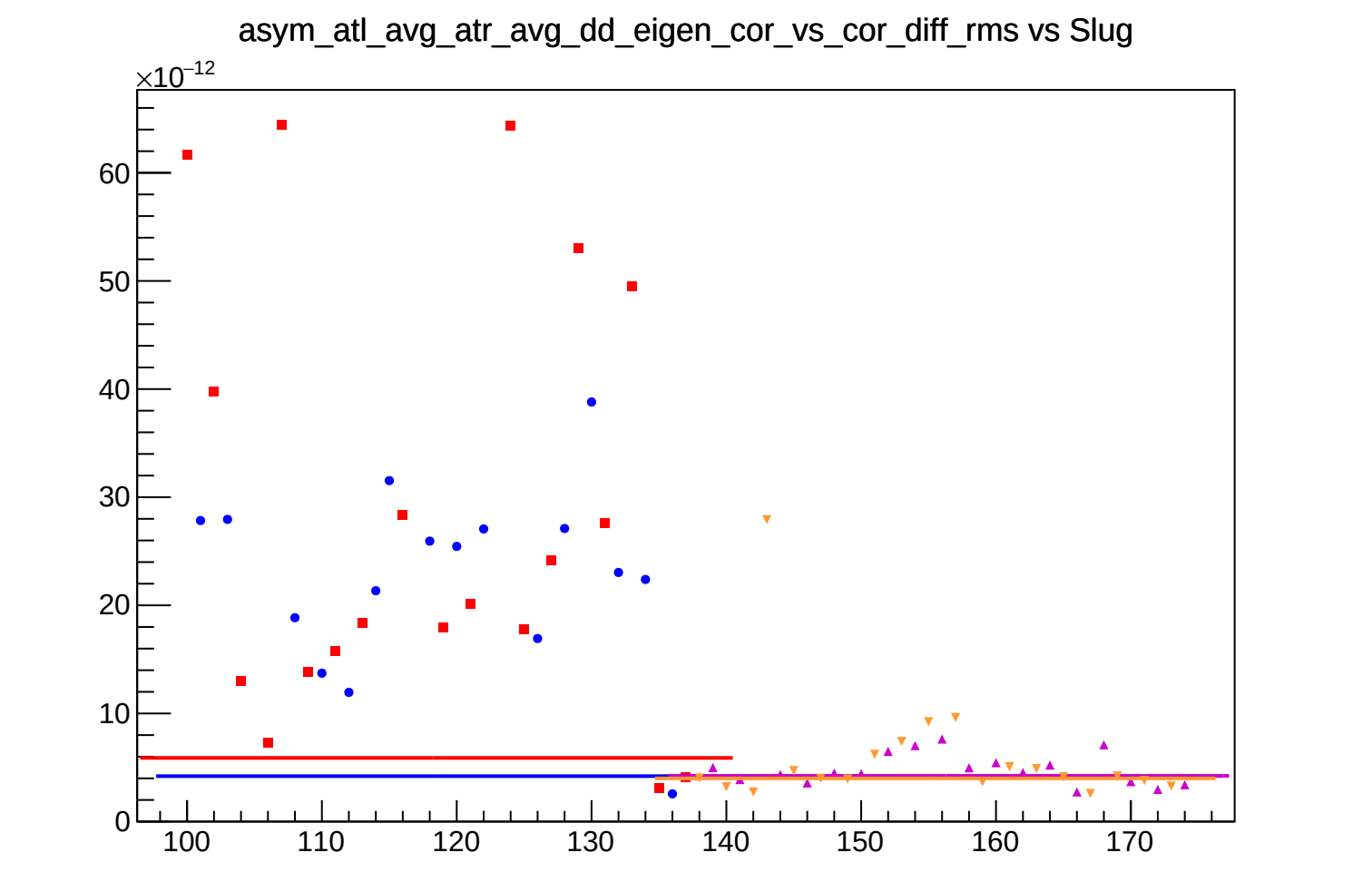
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:19.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 24.1/34

All: 0.000+/-0.000 χ^2/NDF: 90.4/71

- 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:2714692.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

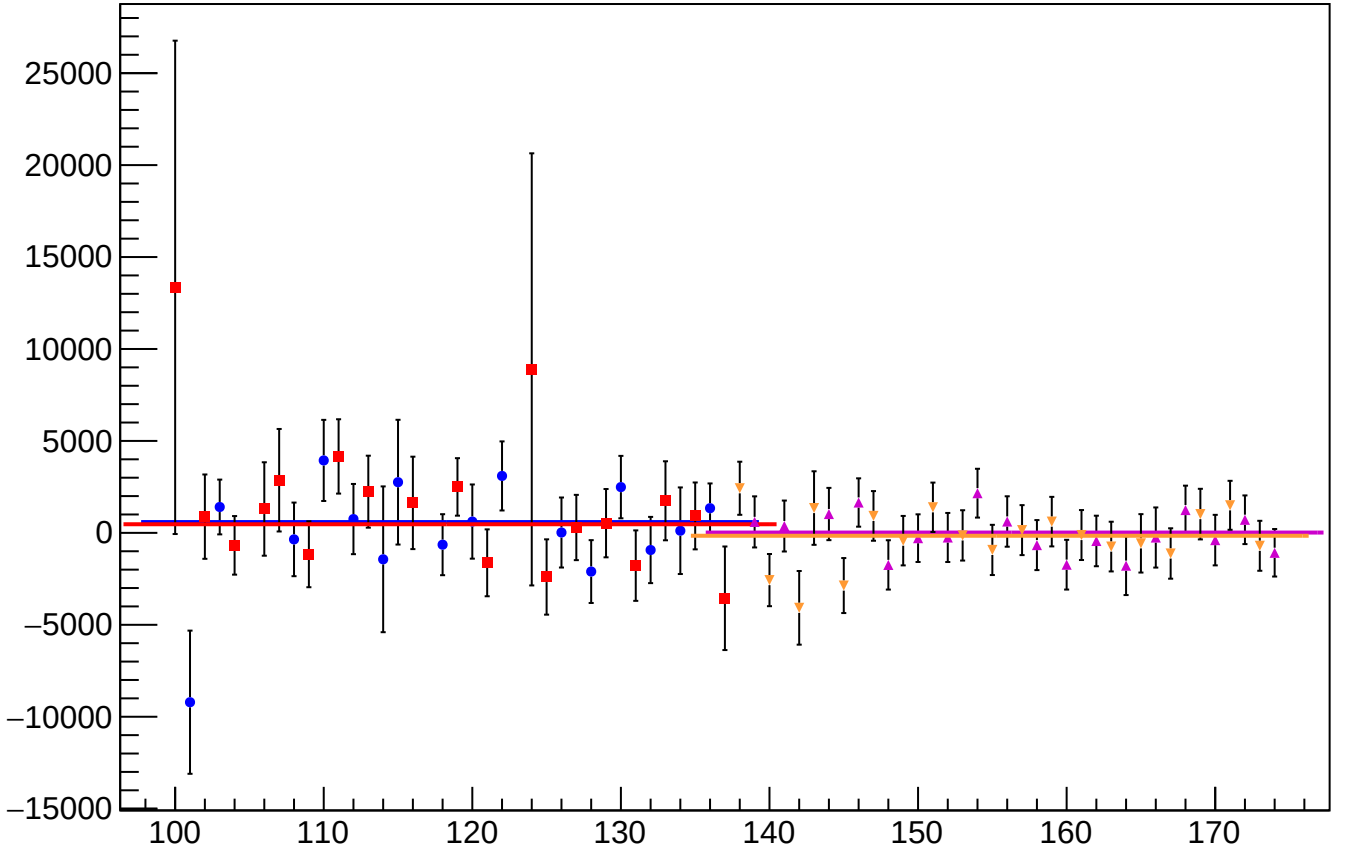
Left In: 0.000+/-0.000 χ^2/NDF:1560233.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 7801519.3/34

All: 0.000+/-0.000 χ^2/NDF: 14592669.0/71

- 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: -157.008+/-326.275 χ^2/NDF:19.7/18

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

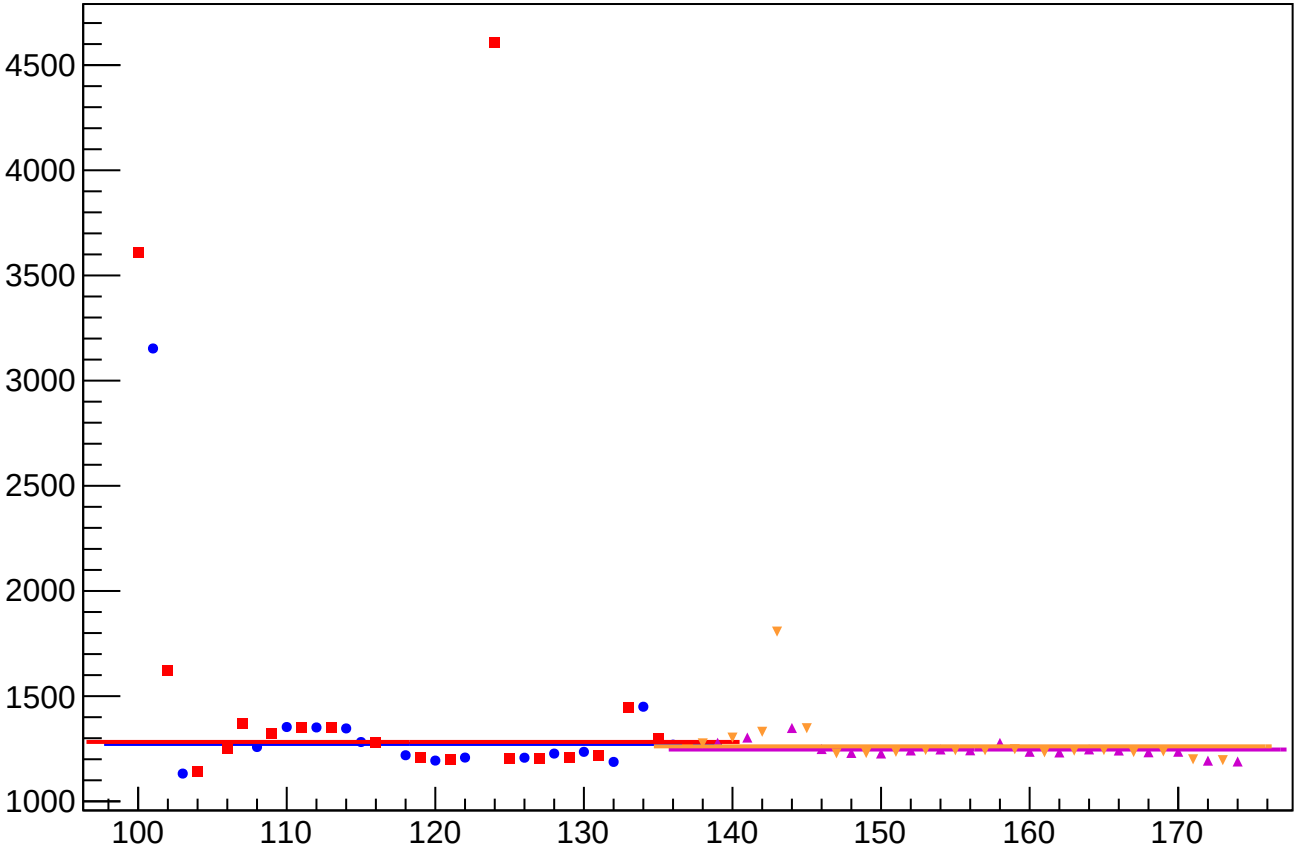
Left In: 17.176+/-323.174 χ^2/NDF:12.2/17

\+ sign 76.474+/-270.268 χ^2/NDF: 38.4/34

All: 117.506+/-190.361 χ^2/NDF: 68.0/71

\- 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: 1261.381+/-0.231 χ^2/NDF:176077.1/18

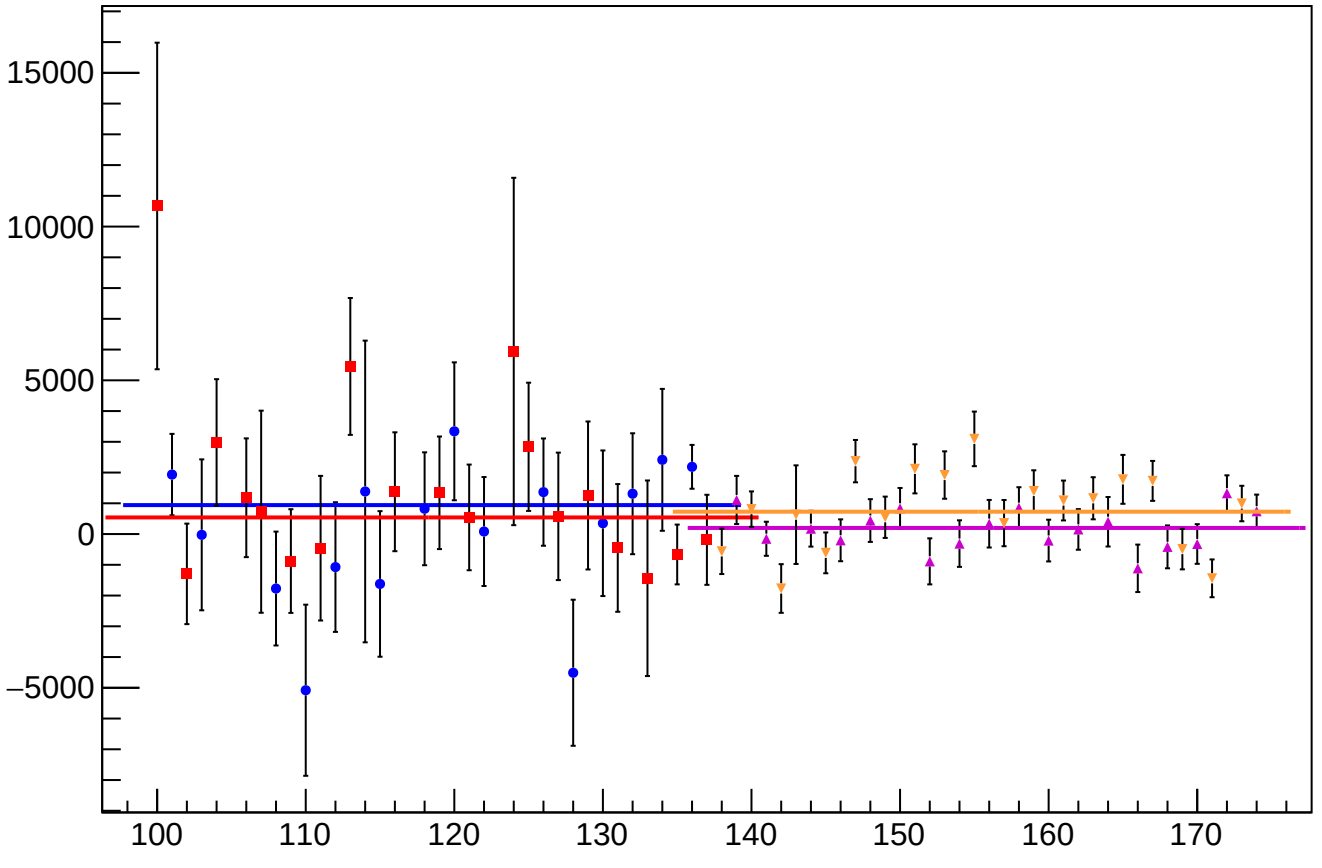
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

+ sign 1264.966+/-0.191 χ^2/NDF: 696144.6/34

All: 1261.195+/-0.135 χ^2/NDF: 1051148.1/71

- 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: 727.376+/-161.526 χ^2/NDF:57.6/18

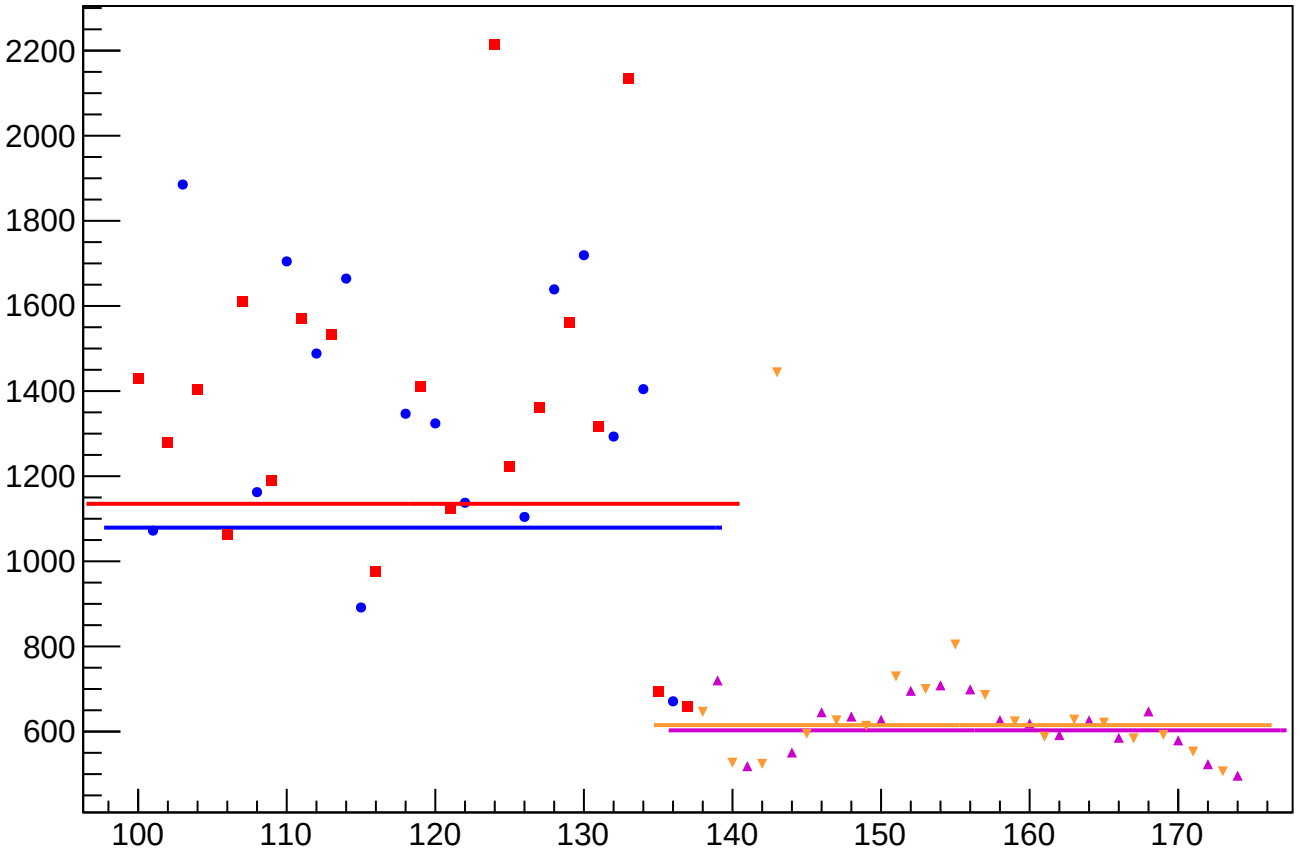
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 198.518+/-157.548 χ^2/NDF:16.2/17

+ sign 754.342+/-151.026 χ^2/NDF: 77.7/34

All: 491.207+/-105.823 χ^2/NDF: 117.6/71

- 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: 615.116+/-0.114 χ^2/NDF:890828.6/18

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

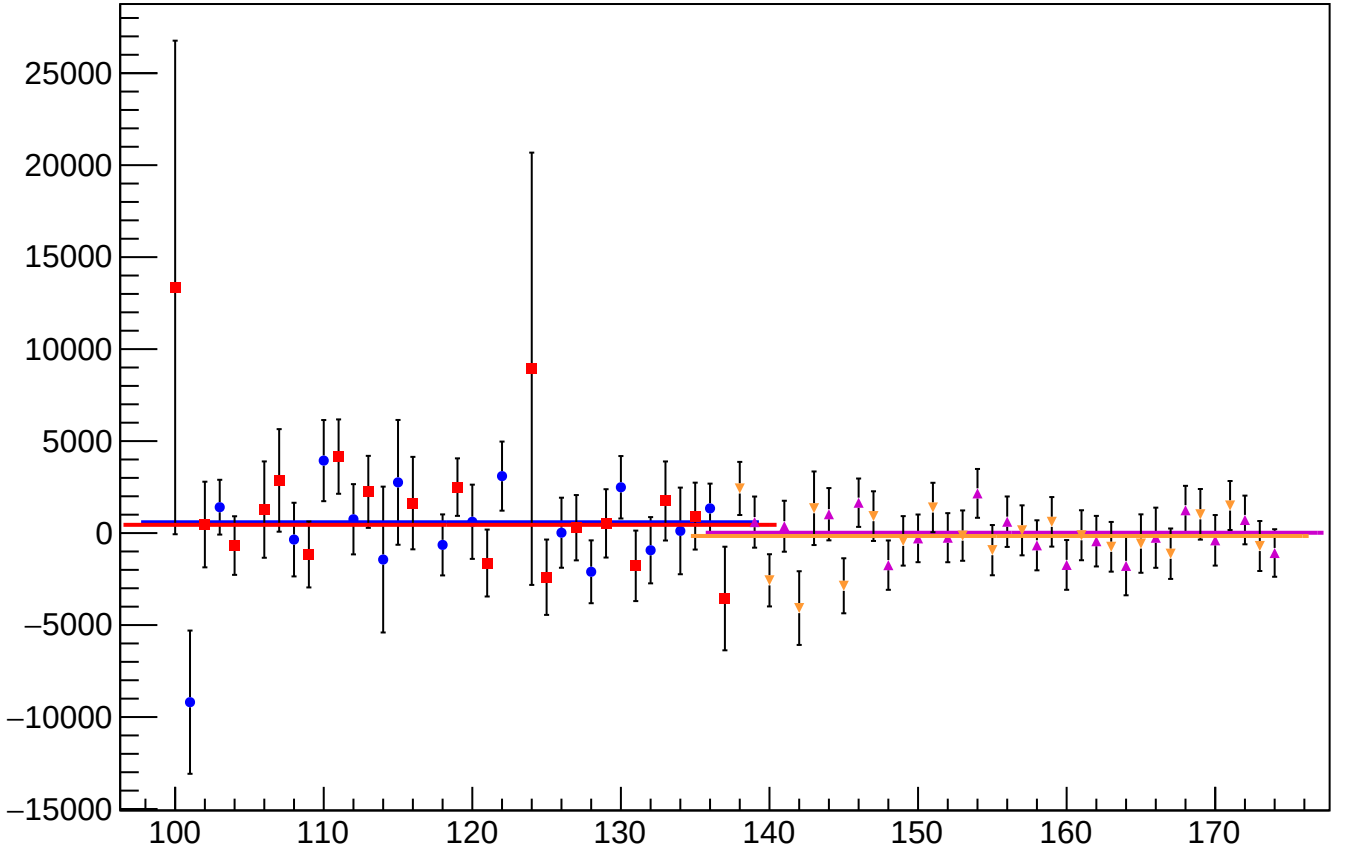
Left In: 602.855+/-0.111 χ^2/NDF:355480.9/17

+ sign 673.480+/-0.107 χ^2/NDF: 4448957.3/34

All: 668.333+/-0.075 χ^2/NDF: 8697601.2/71

- sign 663.369+/-0.105 χ^2/NDF: 4244081.4/36

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -157.072+/-326.275 χ^2/NDF:19.7/18

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

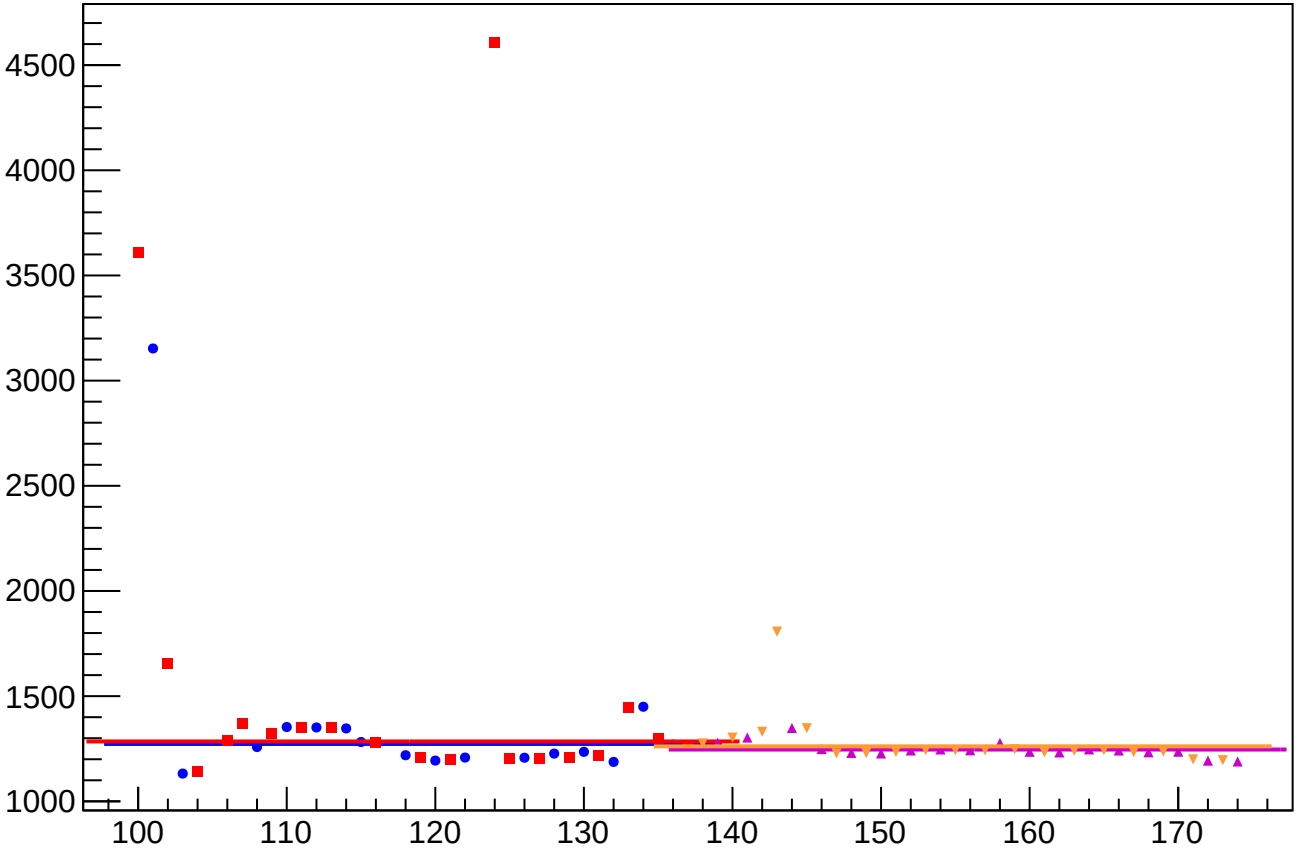
Left In: 17.218+/-323.174 χ^2/NDF:12.2/17

\+ sign 76.531+/-270.268 χ^2/NDF: 38.3/34

All: 114.137+/-190.411 χ^2/NDF: 67.9/71

\- 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: 1261.381+/-0.231 χ^2/NDF:176077.0/18

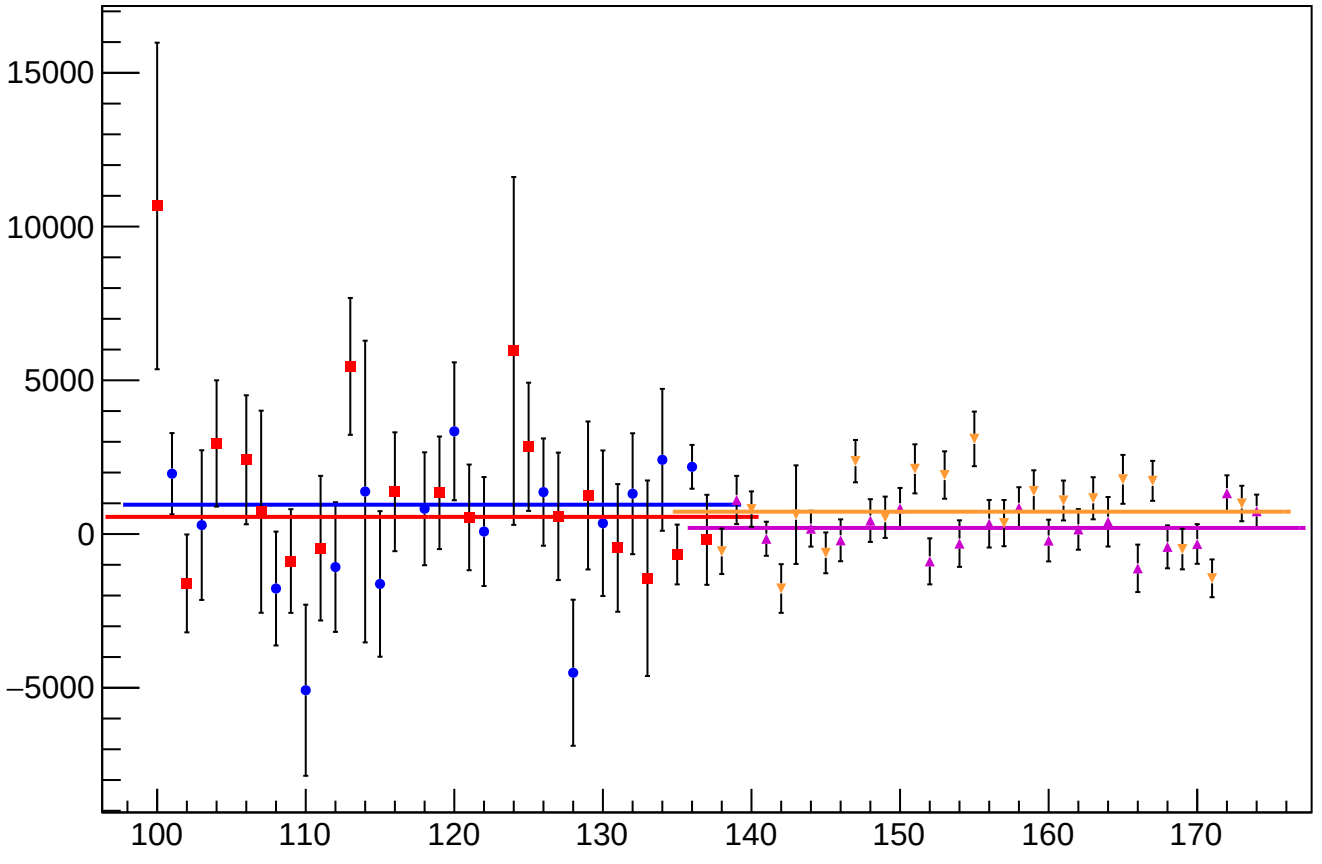
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

+ sign 1264.966+/-0.191 χ^2/NDF: 696146.0/34

All: 1261.542+/-0.135 χ^2/NDF: 1058667.9/71

- 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: 727.391+/-161.527 χ^2/NDF:57.6/18

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

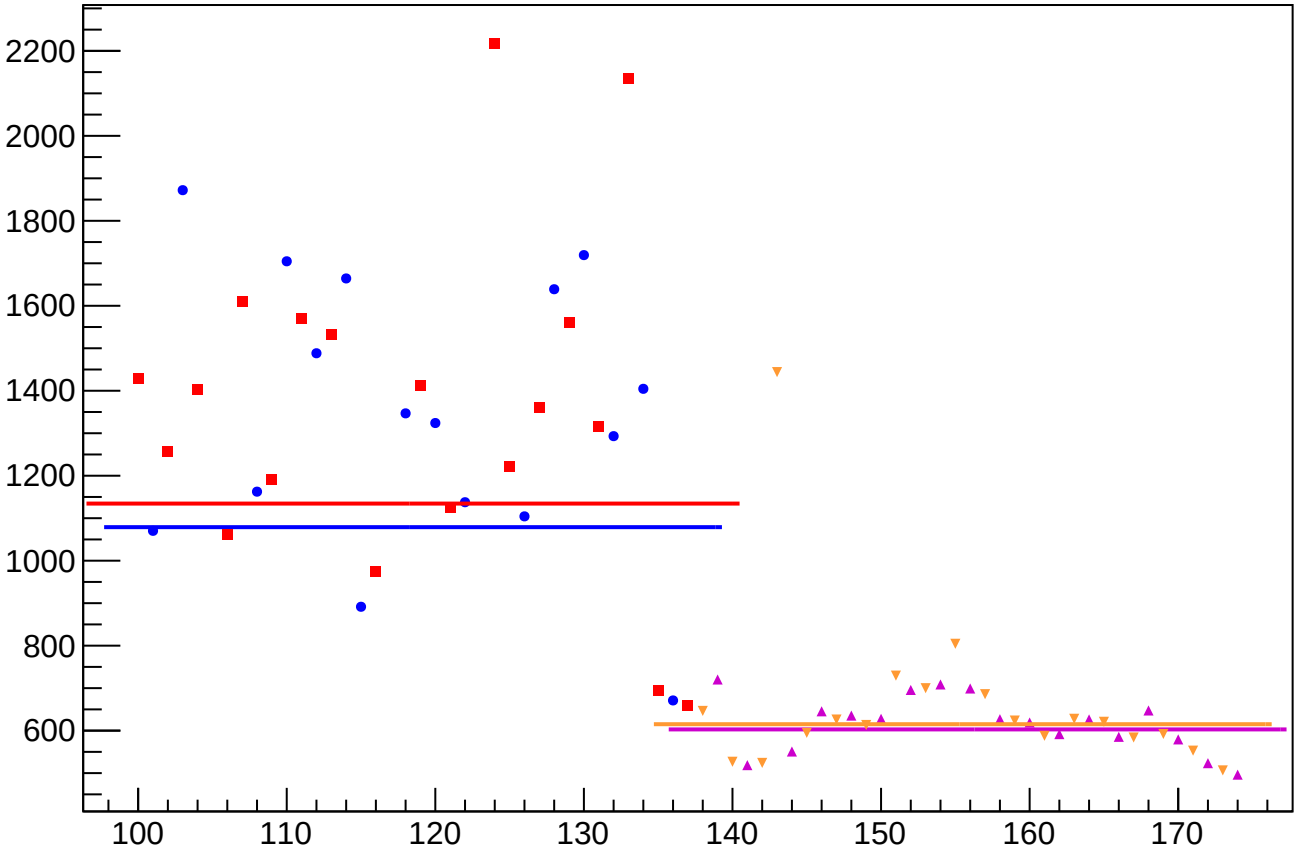
Left In: 198.504+/-157.548 χ^2/NDF:16.2/17

+ sign 755.933+/-151.019 χ^2/NDF: 77.7/34

All: 492.981+/-105.832 χ^2/NDF: 118.8/71

- sign 239.225+/-148.355 χ^2/NDF: 35.2/36

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 615.118+/-0.114 χ^2/NDF:890780.2/18

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

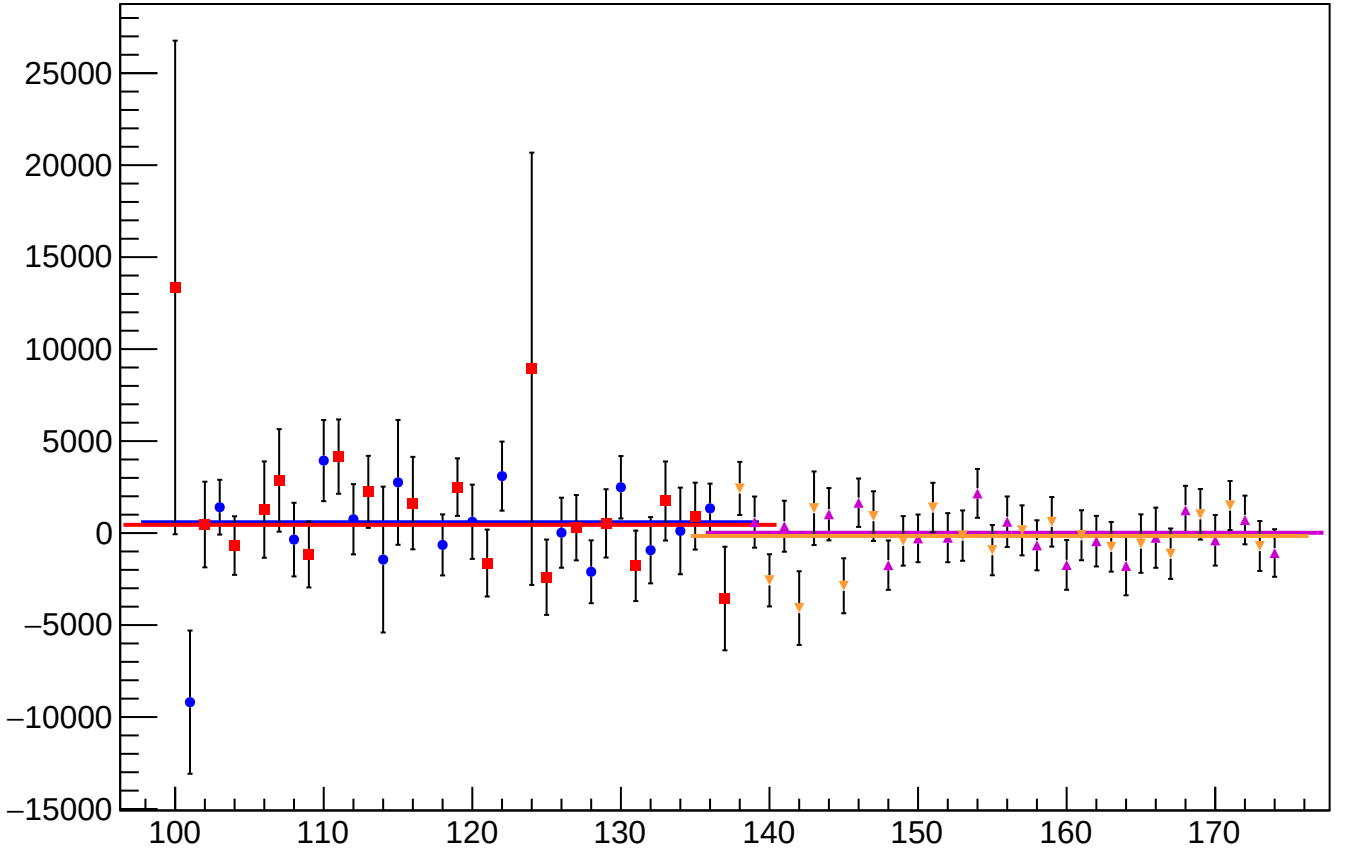
Left In: 602.851+/-0.111 χ^2/NDF:355503.8/17

+ sign 673.501+/-0.107 χ^2/NDF: 4445197.7/34

All: 668.195+/-0.075 χ^2/NDF: 8673985.8/71

- sign 663.075+/-0.105 χ^2/NDF: 4223937.8/36

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -157.072+/-326.275 χ^2/NDF:19.7/18

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

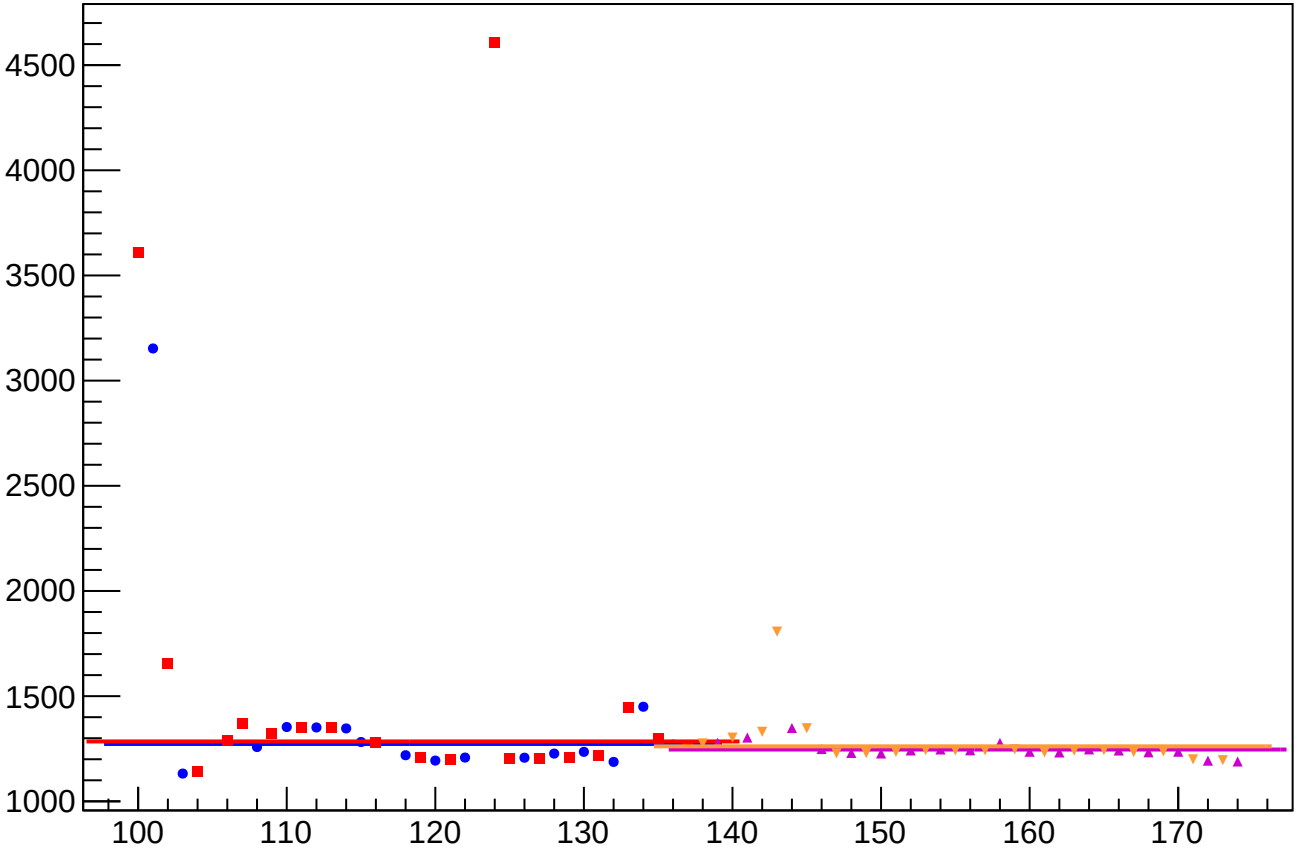
Left In: 17.218+/-323.174 χ^2/NDF:12.2/17

\+ sign 76.531+/-270.268 χ^2/NDF: 38.3/34

All: 114.137+/-190.411 χ^2/NDF: 67.9/71

\- 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: 1261.381+/-0.231 χ^2/NDF:176077.0/18

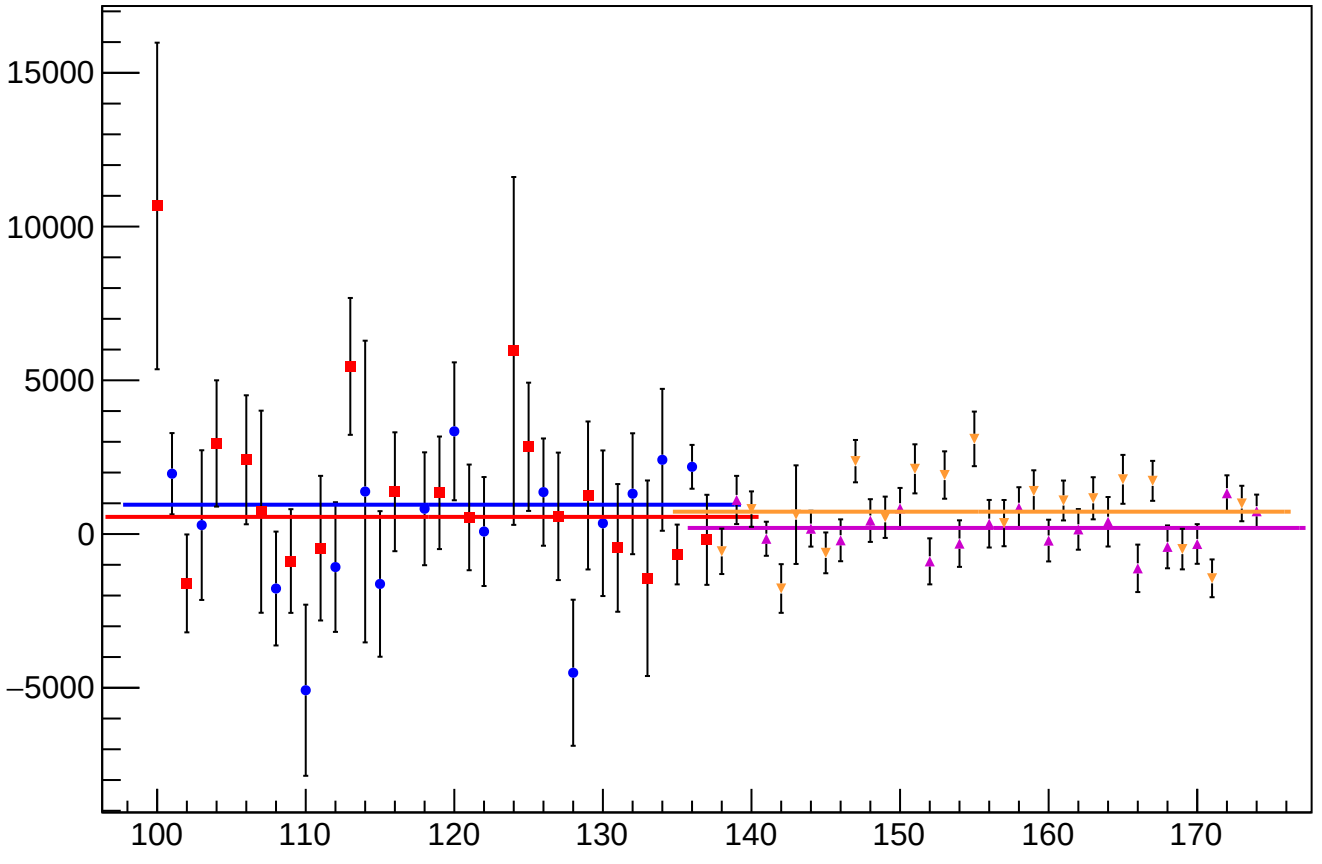
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

+ sign 1264.966+/-0.191 χ^2/NDF: 696146.0/34

All: 1261.542+/-0.135 χ^2/NDF: 1058667.9/71

- 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: 727.391+/-161.527 χ^2/NDF:57.6/18

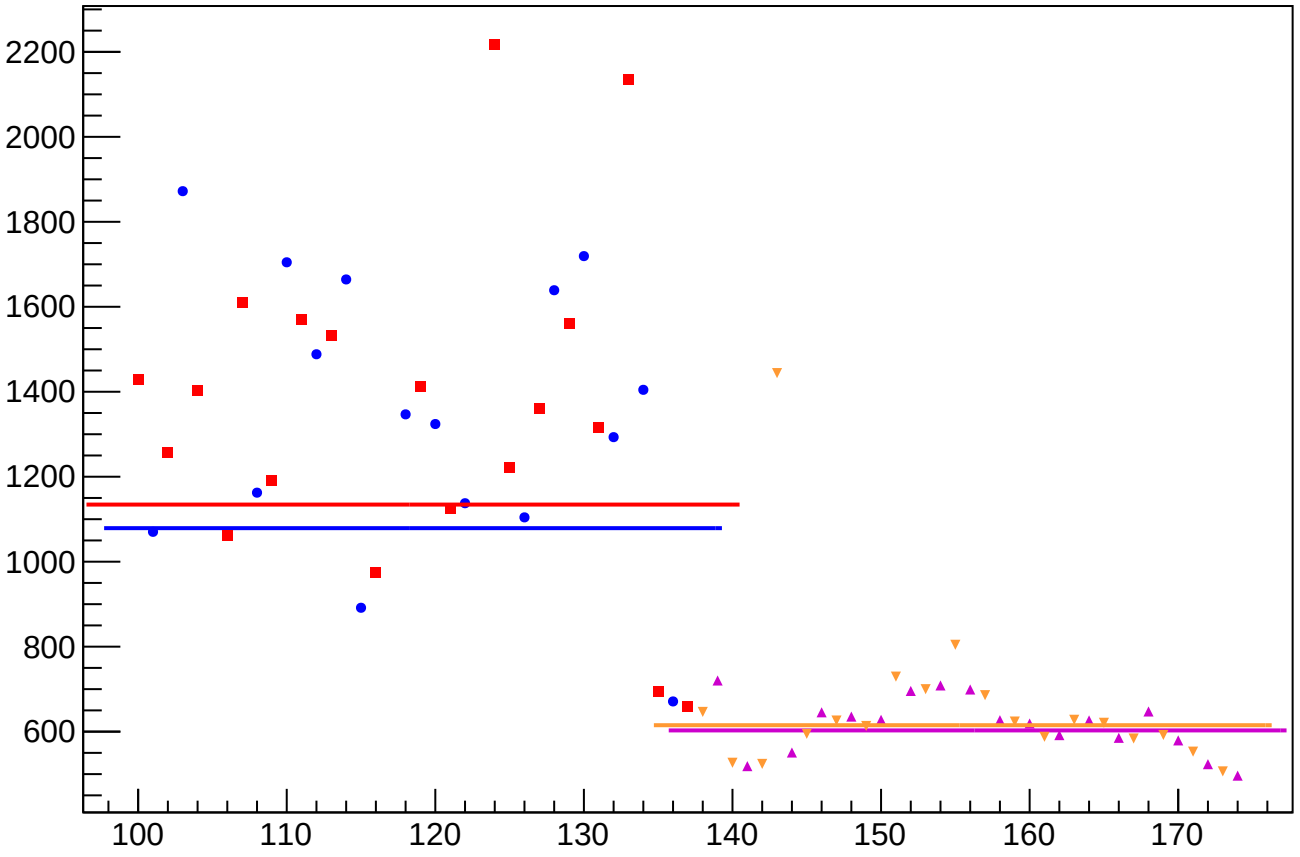
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 198.504+/-157.548 χ^2/NDF:16.2/17

+ sign 755.933+/-151.019 χ^2/NDF: 77.7/34

All: 492.981+/-105.832 χ^2/NDF: 118.8/71

- 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: 615.118+/-0.114 χ^2/NDF:890780.2/18

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

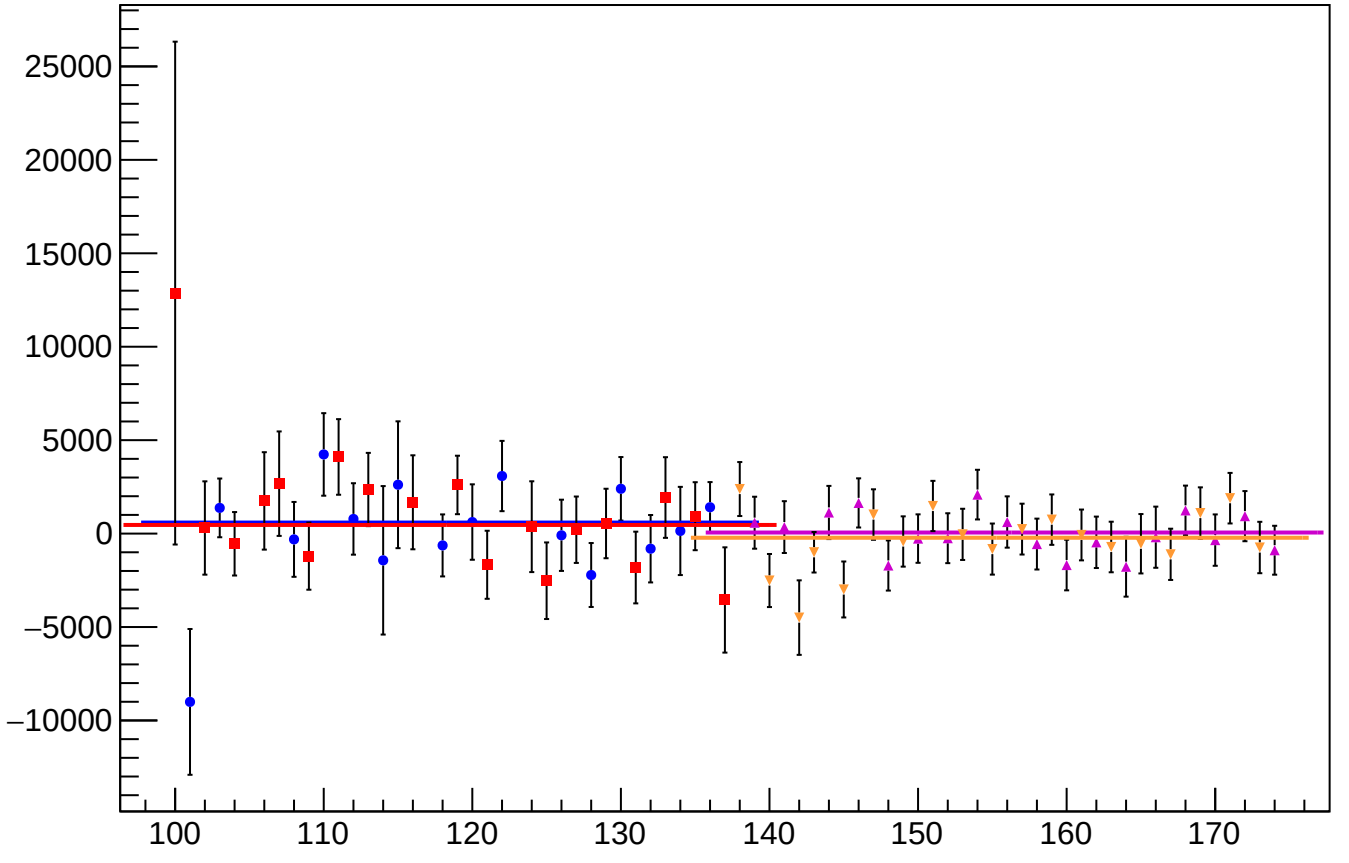
Left In: 602.851+/-0.111 χ^2/NDF:355503.8/17

\+ sign 673.501+/-0.107 χ^2/NDF: 4445197.7/34

All: 668.195+/-0.075 χ^2/NDF: 8673985.8/71

\- 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: -222.507+/-316.961 χ^2/NDF:21.8/18

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

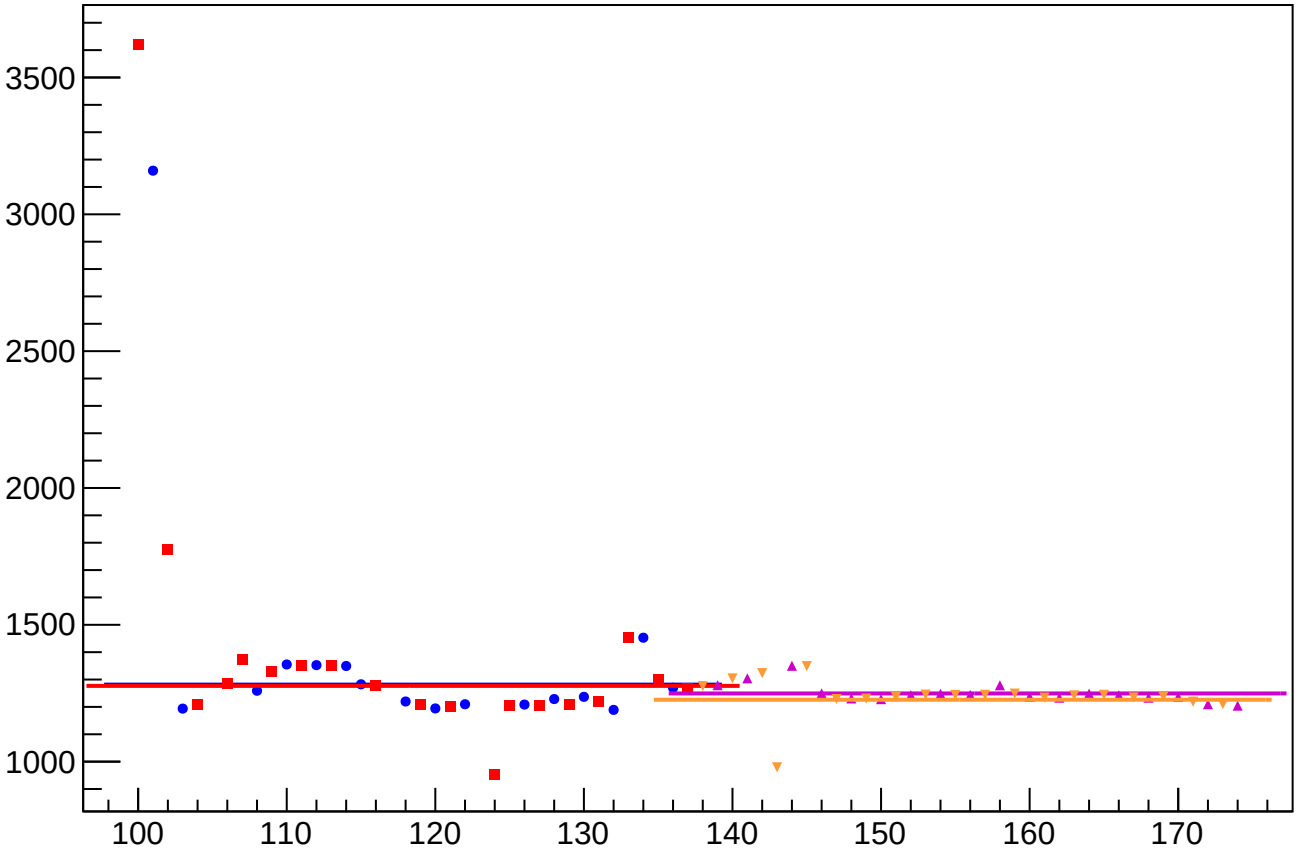
Left In: 57.172+/-323.922 χ^2/NDF:11.7/17

+ sign 20.415+/-265.404 χ^2/NDF: 40.9/34

All: 102.027+/-188.558 χ^2/NDF: 70.0/71

- 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: 1226.218+/-0.224 χ^2/NDF:133257.1/18

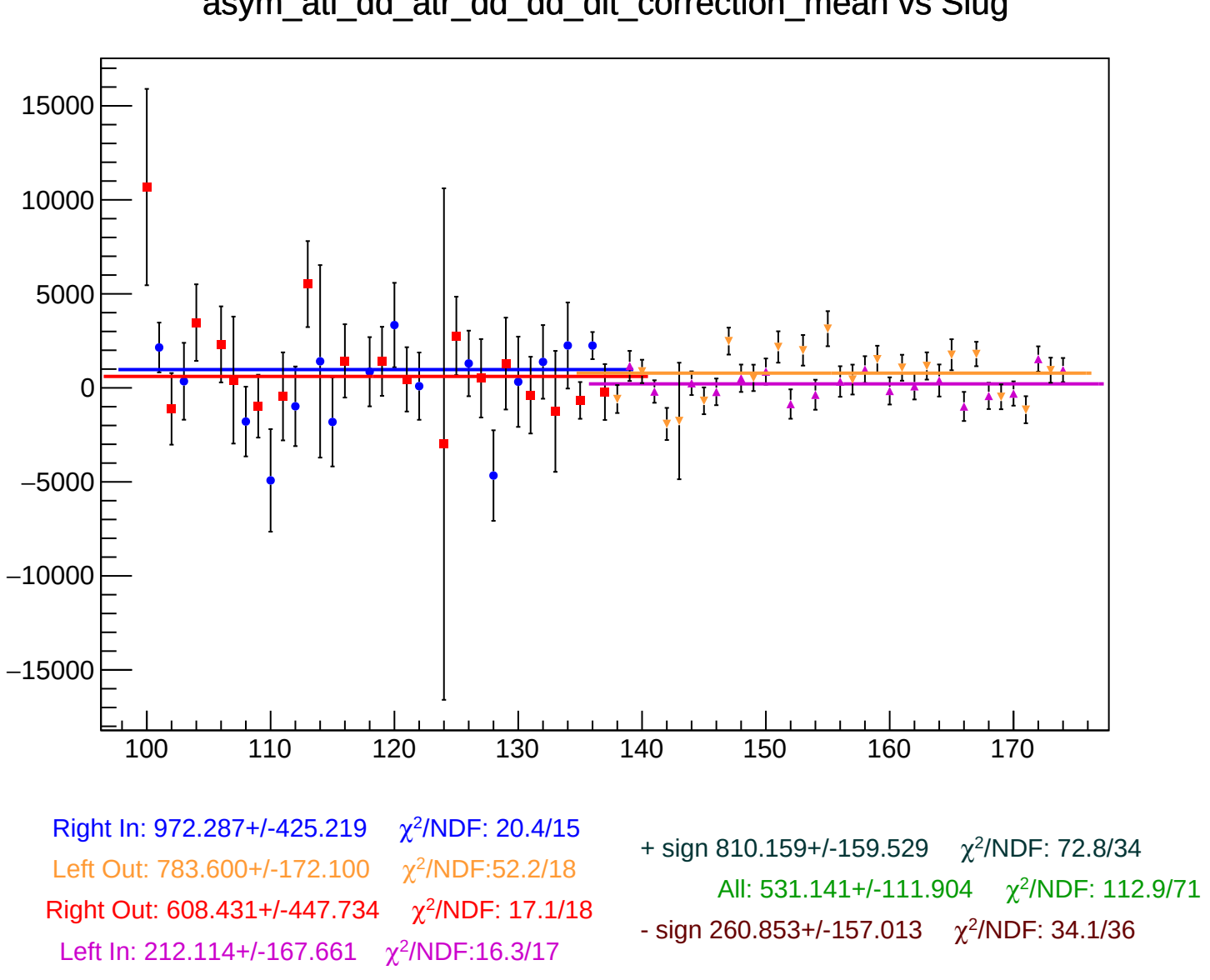
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1249.177+/-0.229 χ^2/NDF:21061.1/17

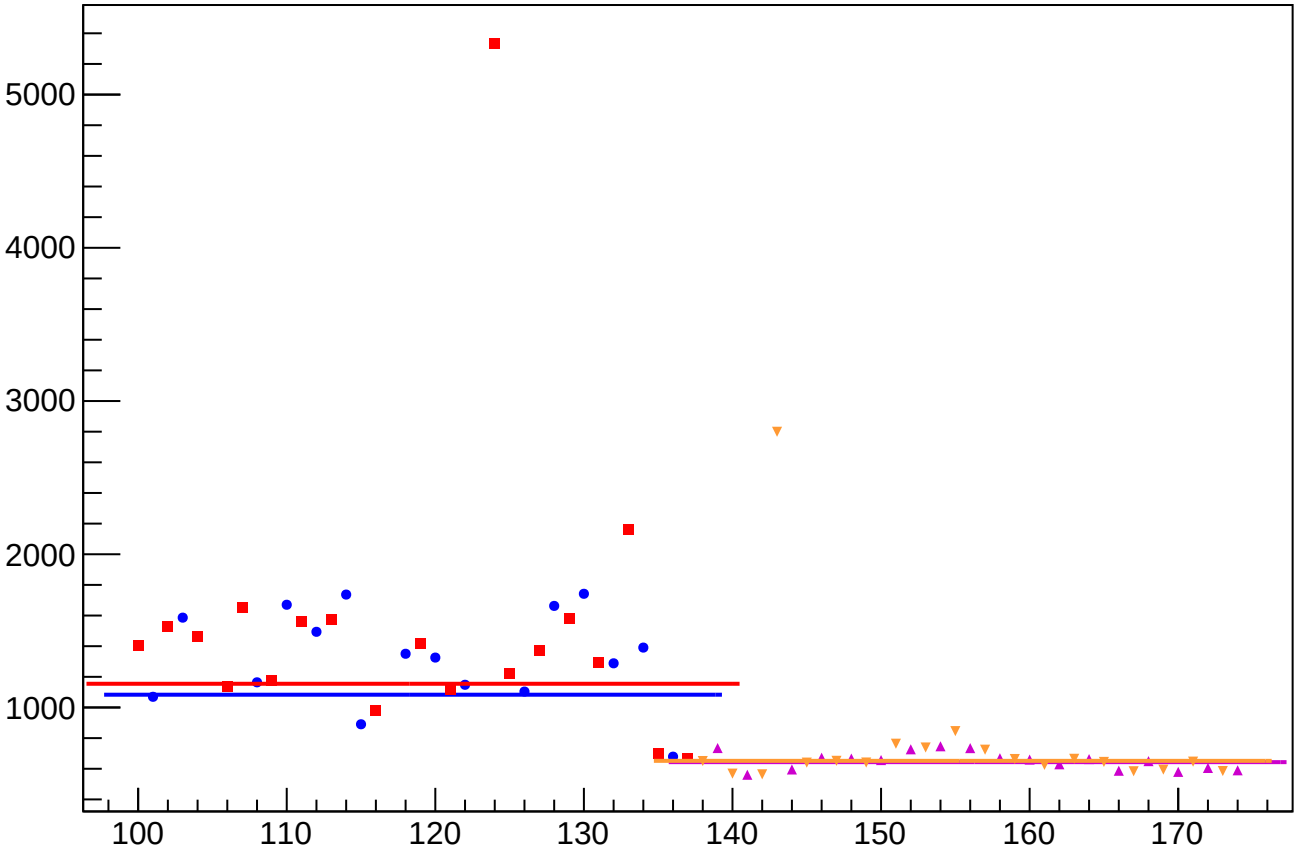
+ sign 1242.700+/-0.188 χ^2/NDF: 658431.9/34

All: 1250.238+/-0.133 χ^2/NDF: 907876.6/71

- sign 1257.919+/-0.189 χ^2/NDF: 246187.8/36


asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 972.287+/-425.219 χ²/NDF: 20.4/15
Left Out: 783.600+/-172.100 χ²/NDF:52.2/18
Right Out: 608.431+/-447.734 χ²/NDF: 17.1/18
Left In: 212.114+/-167.661 χ²/NDF:16.3/17
+ sign 810.159+/-159.529 χ²/NDF: 72.8/34
All: 531.141+/-111.904 χ²/NDF: 112.9/71
- sign 260.853+/-157.013 χ²/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: 651.696+/-0.122 χ^2/NDF:1241887.3/18

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

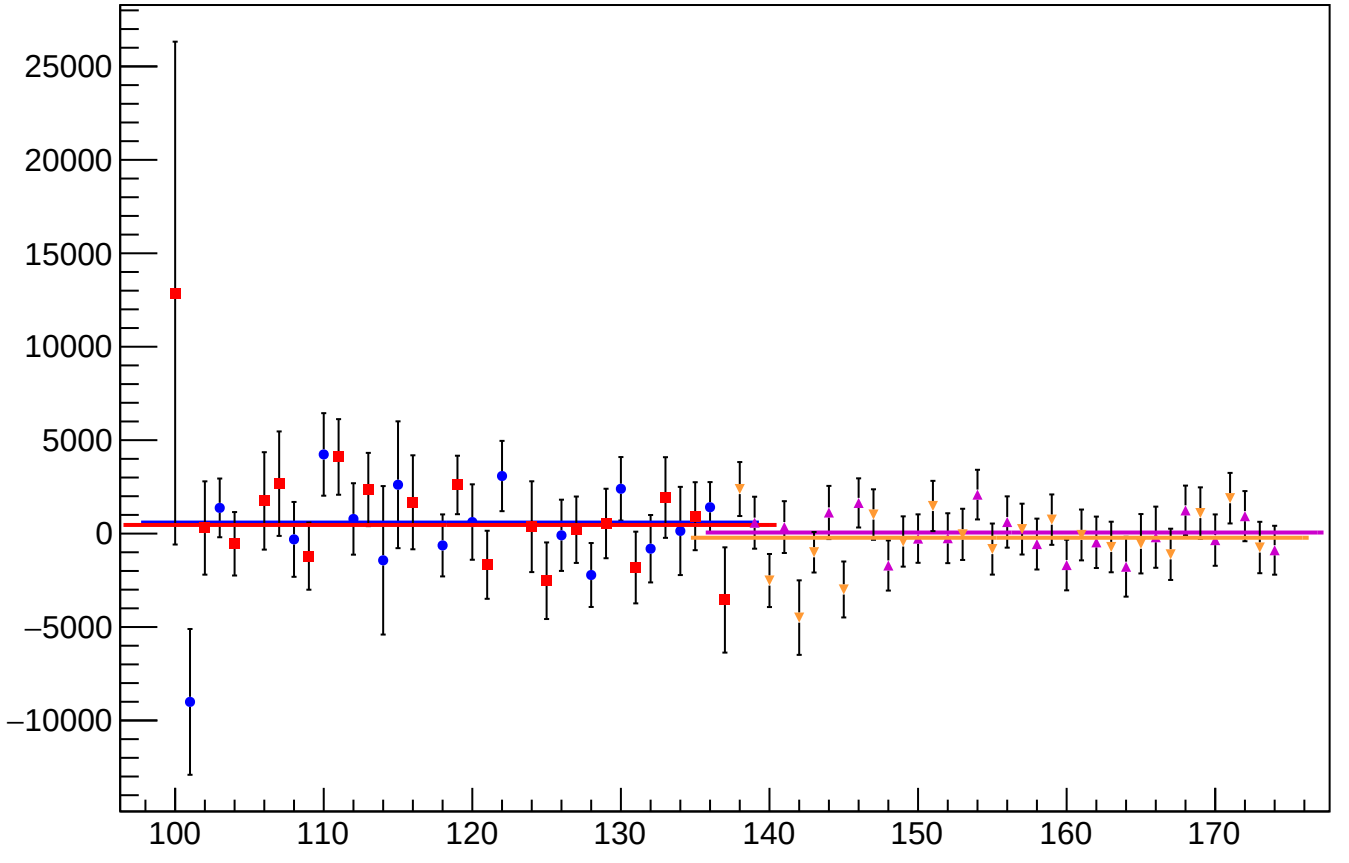
Left In: 643.230+/-0.119 χ^2/NDF:219442.5/17

+ sign 712.450+/-0.113 χ^2/NDF: 4372816.3/34

All: 709.242+/-0.079 χ^2/NDF: 8371338.8/71

- sign 706.134+/-0.111 χ^2/NDF: 3996929.9/36

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -222.509+/-316.961 χ^2/NDF:21.8/18

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

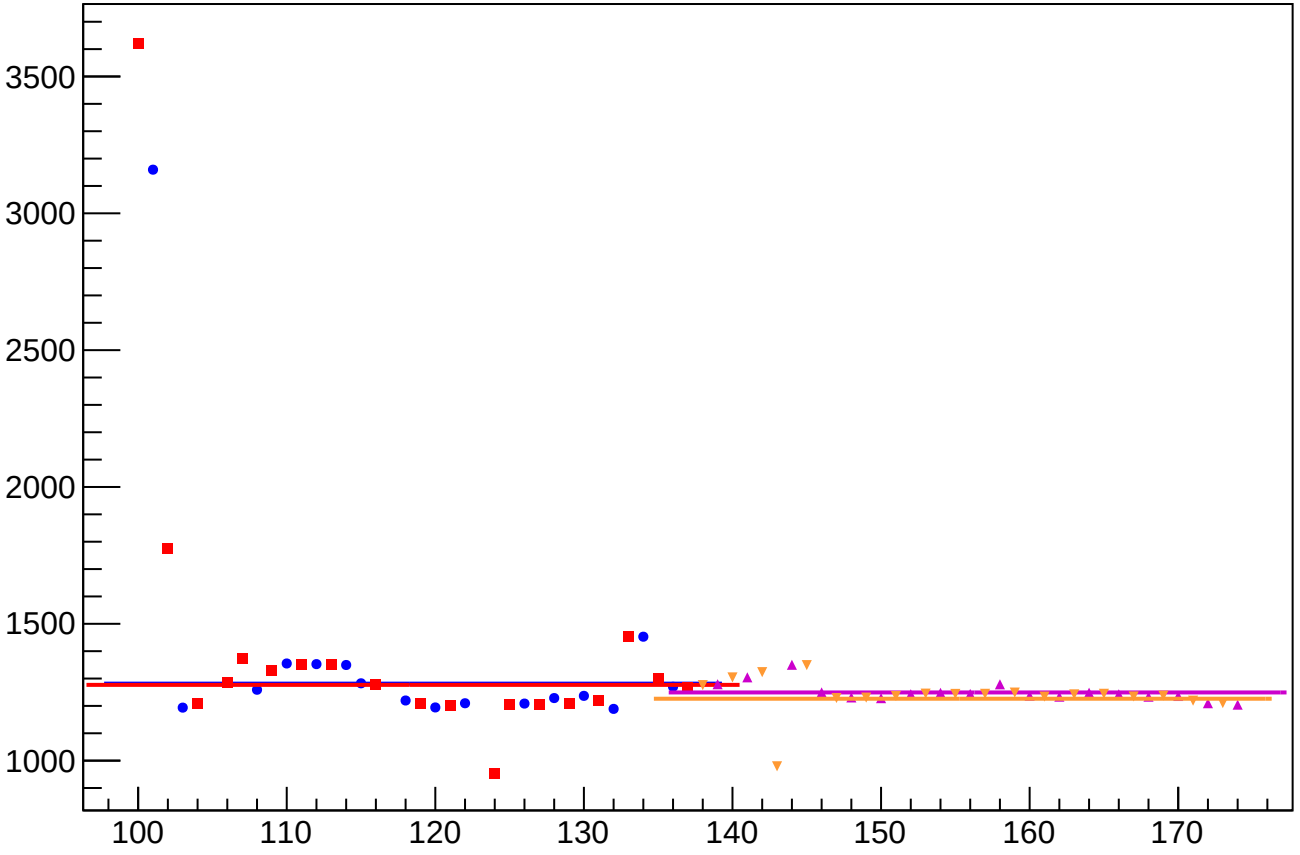
Left In: 57.171+/-323.922 χ^2/NDF:11.7/17

\+ sign 20.414+/-265.404 χ^2/NDF: 40.9/34

All: 102.027+/-188.558 χ^2/NDF: 70.0/71

\- 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: 1226.218+/-0.224 χ^2/NDF:133256.4/18

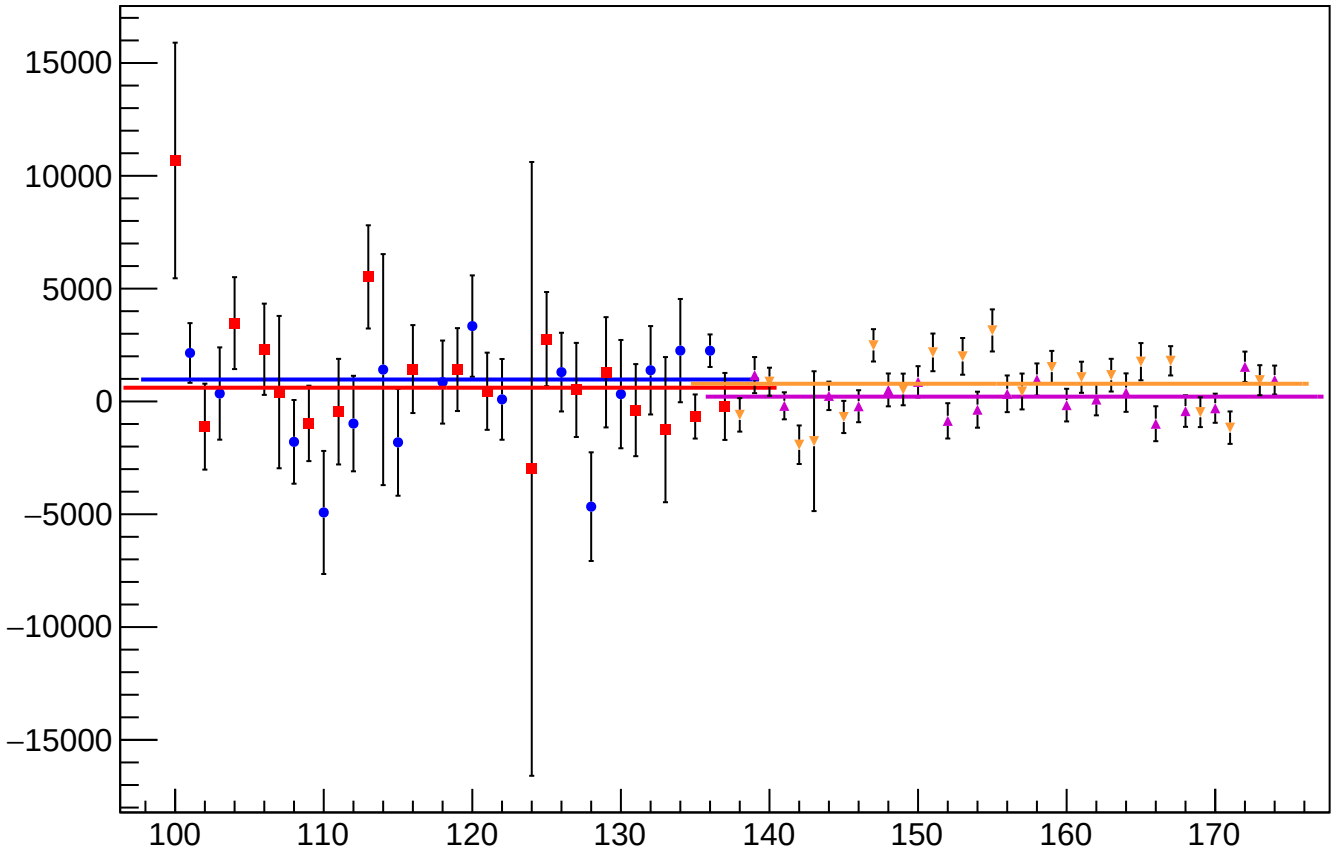
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1249.177+/-0.229 χ^2/NDF:21061.2/17

+ sign 1242.700+/-0.188 χ^2/NDF: 658431.2/34

All: 1250.237+/-0.133 χ^2/NDF: 907875.8/71

- 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: 783.601+/-172.100 χ^2/NDF:52.2/18

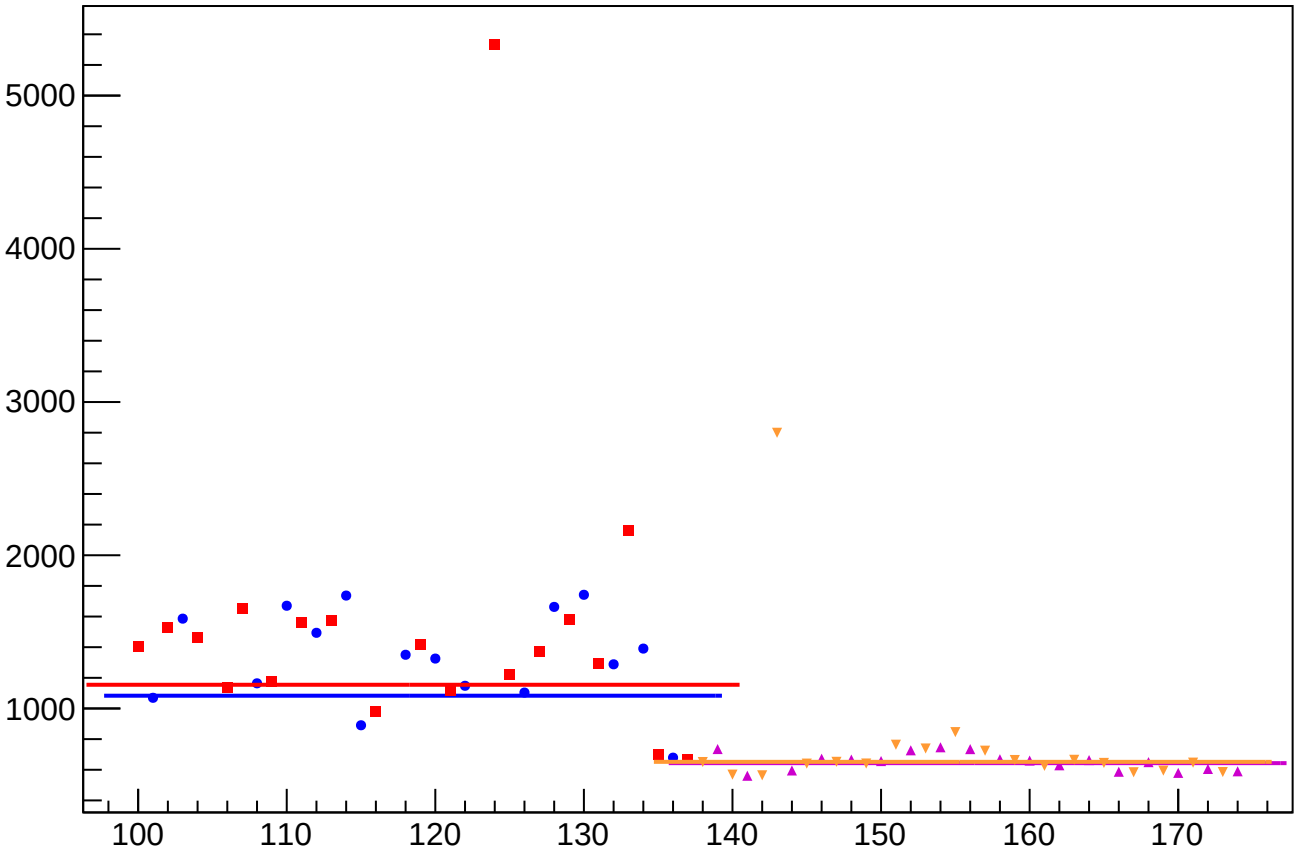
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 212.112+/-167.661 χ^2/NDF:16.3/17

+ sign 810.158+/-159.529 χ^2/NDF: 72.8/34

All: 531.140+/-111.904 χ^2/NDF: 112.9/71

- 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: 651.696+/-0.122 χ^2/NDF:1241884.0/18

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

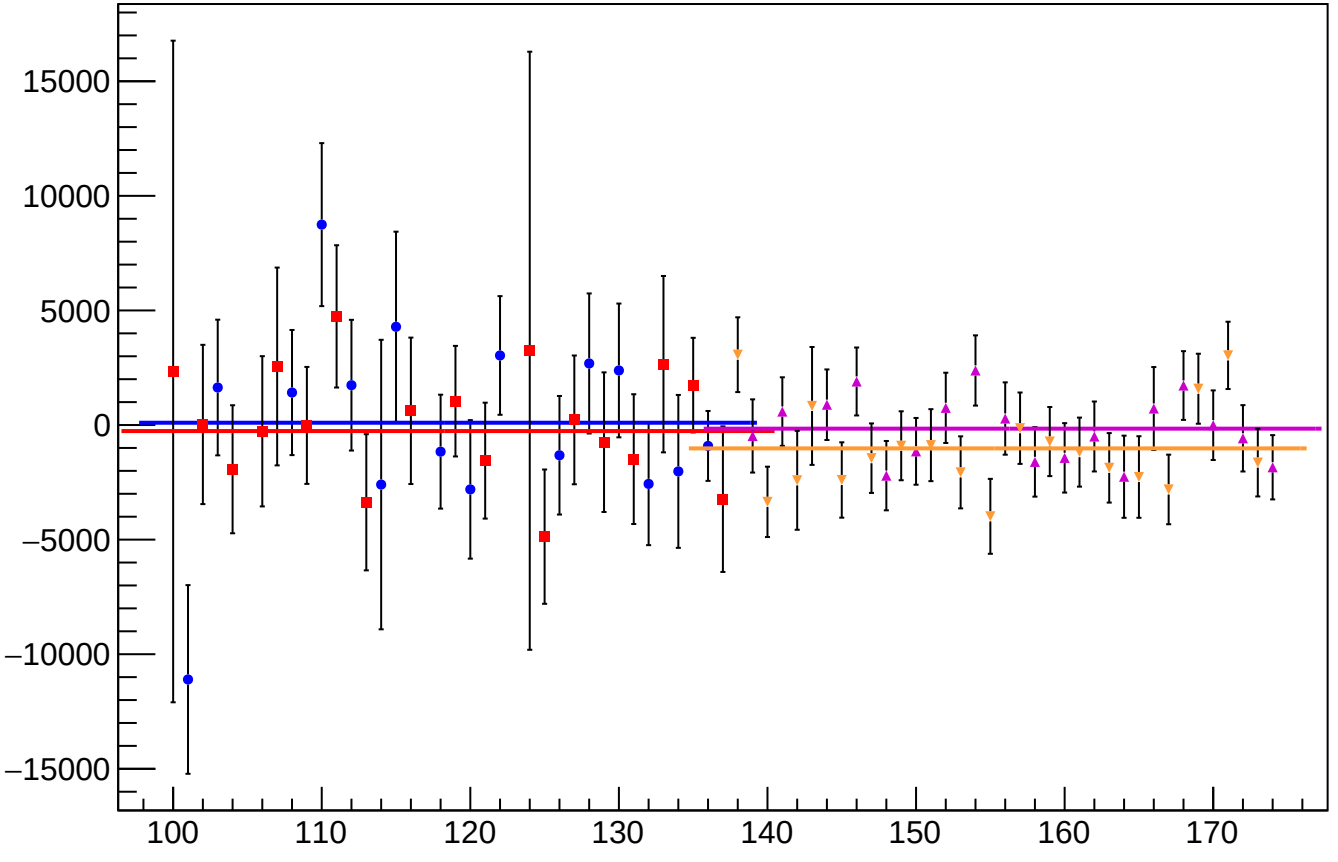
Left In: 643.230+/-0.119 χ^2/NDF:219446.3/17

+ sign 712.451+/-0.113 χ^2/NDF: 4372797.1/34

All: 709.242+/-0.079 χ^2/NDF: 8371325.1/71

- 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: -1018.747+/-366.975 χ^2/NDF:27.3/18

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

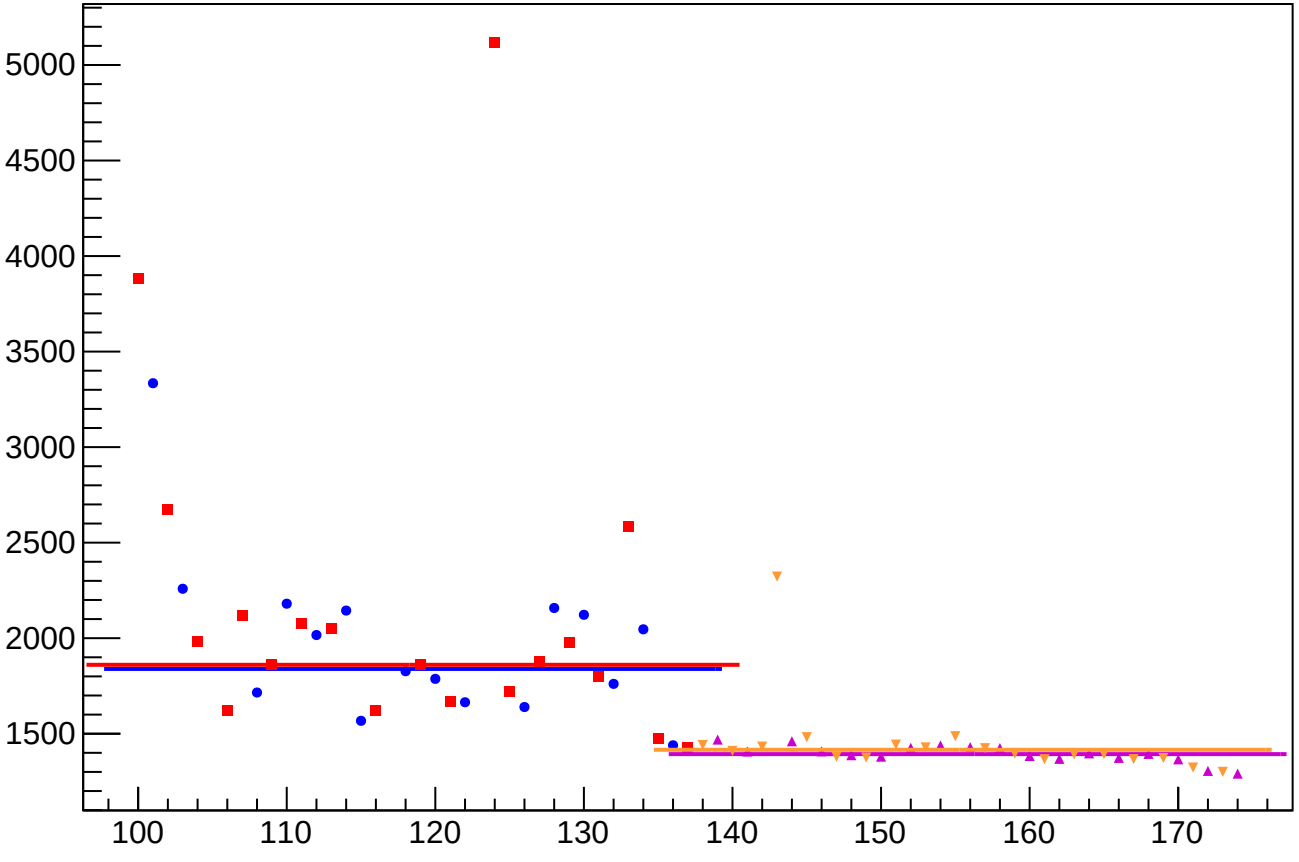
Left In: -158.419+/-361.362 χ^2/NDF:14.5/17

+ sign -776.912+/-324.917 χ^2/NDF: 50.6/34

All: -475.098+/-228.380 χ^2/NDF: 77.2/71

- 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: 1415.940+/-0.259 χ^2/NDF:286675.4/18

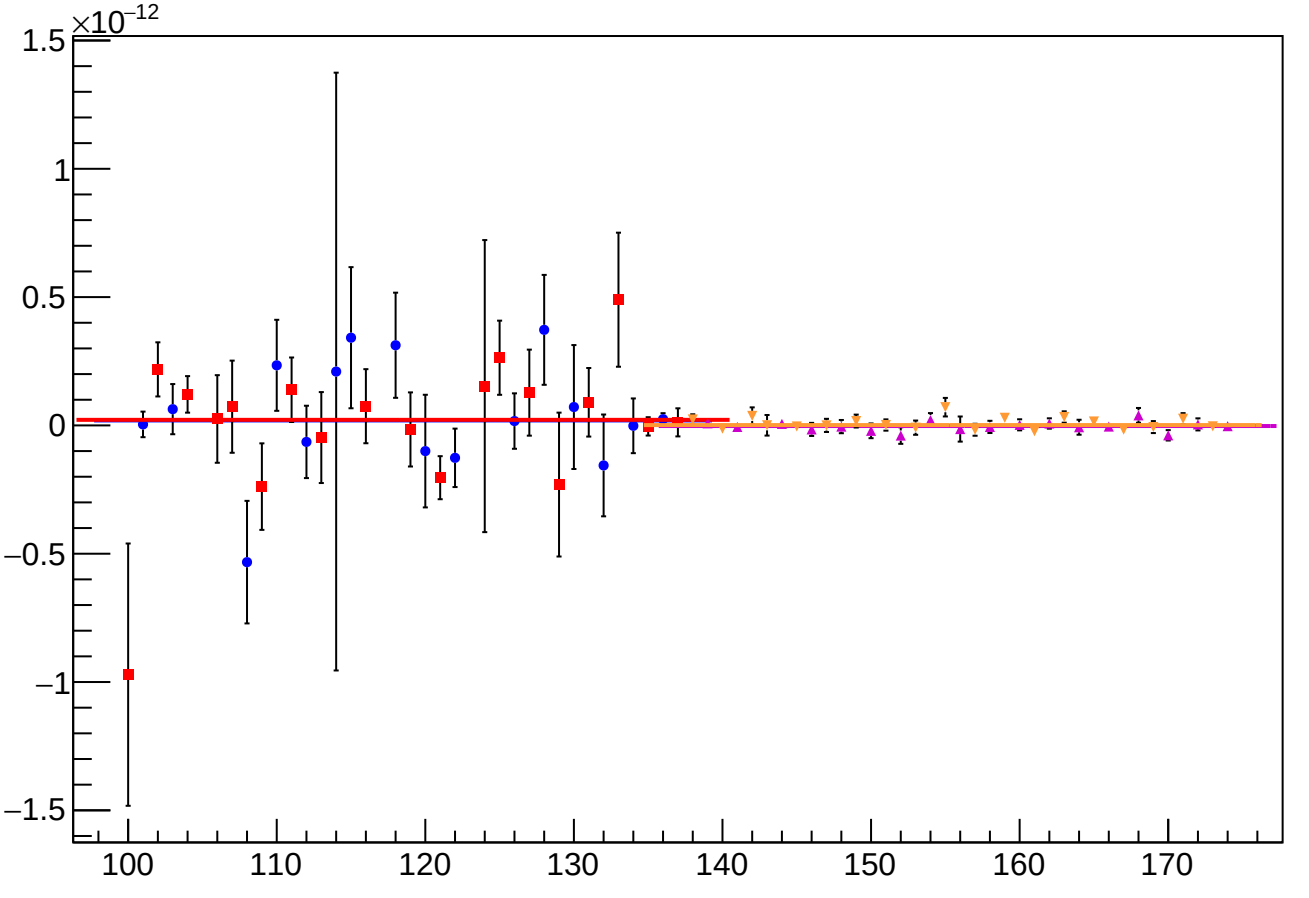
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1393.181+/-0.256 χ^2/NDF:32982.0/17

+ sign 1507.379+/-0.230 χ^2/NDF: 1418054.7/34

All: 1499.411+/-0.161 χ^2/NDF: 2680557.7/71

- 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:18.7/18

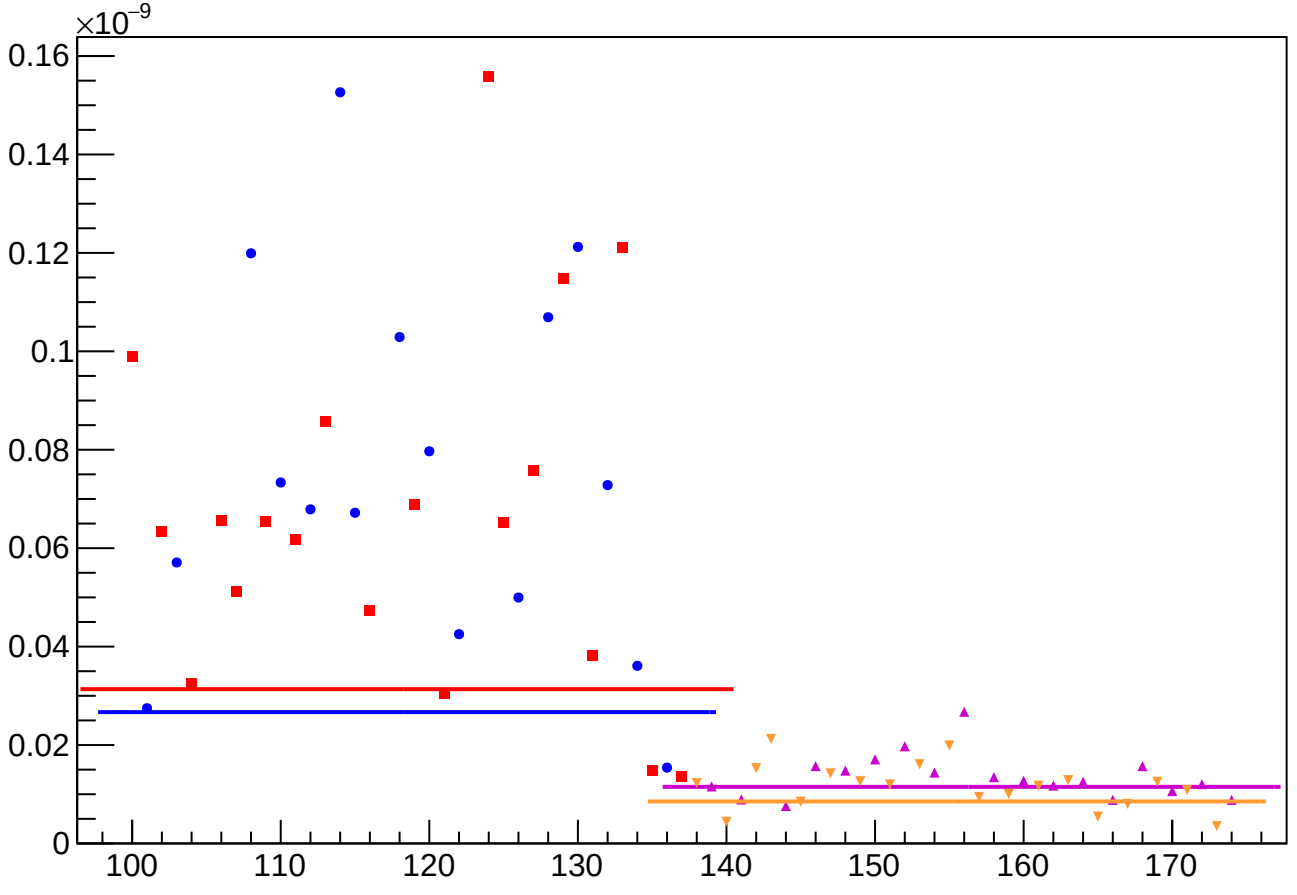
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

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

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/34

All: 0.000+/-0.000 χ^2/NDF: 74.9/71

- 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:1997620.0/18

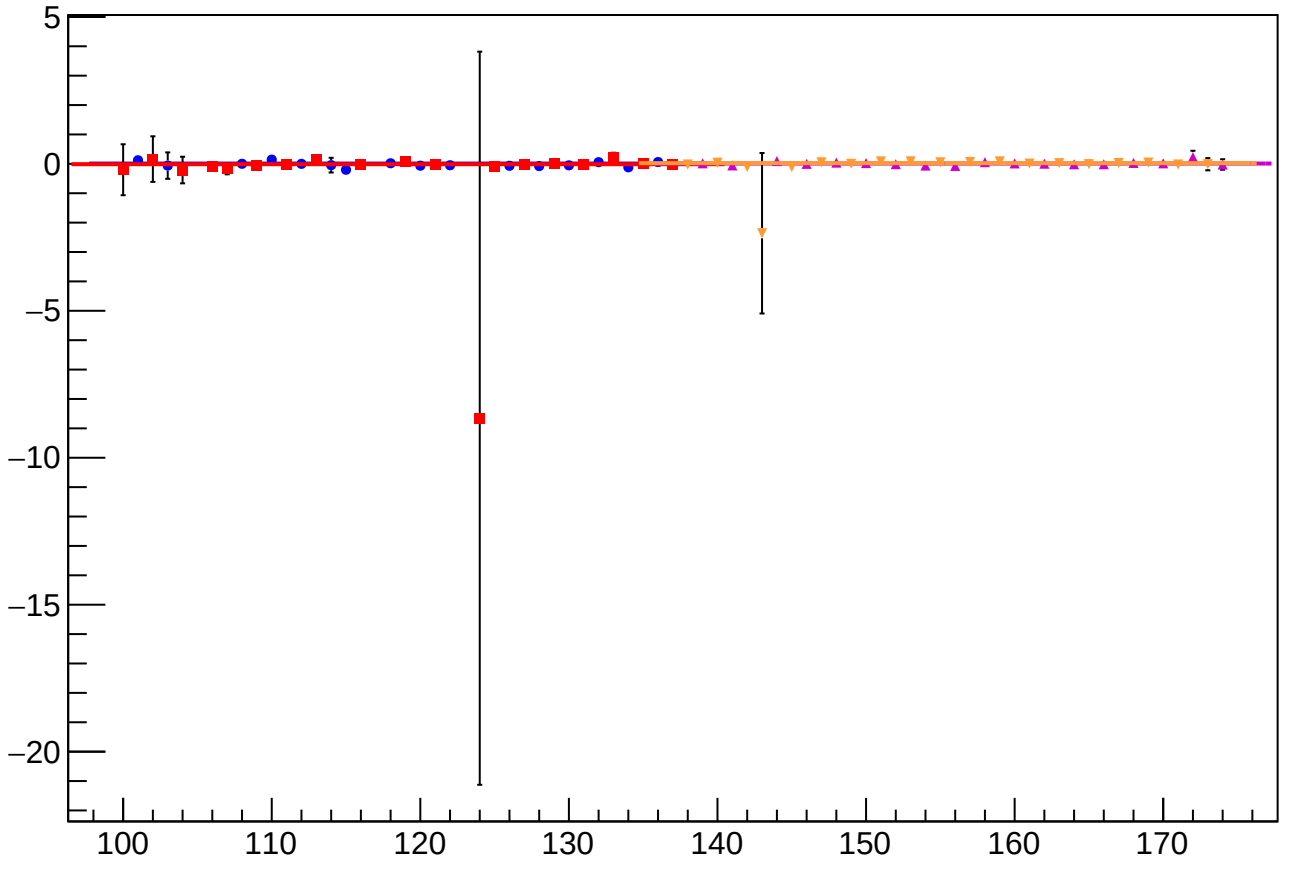
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:892877.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 6351721.0/34

All: 0.000+/-0.000 χ^2/NDF: 11480858.5/71

- 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:18.1/18

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

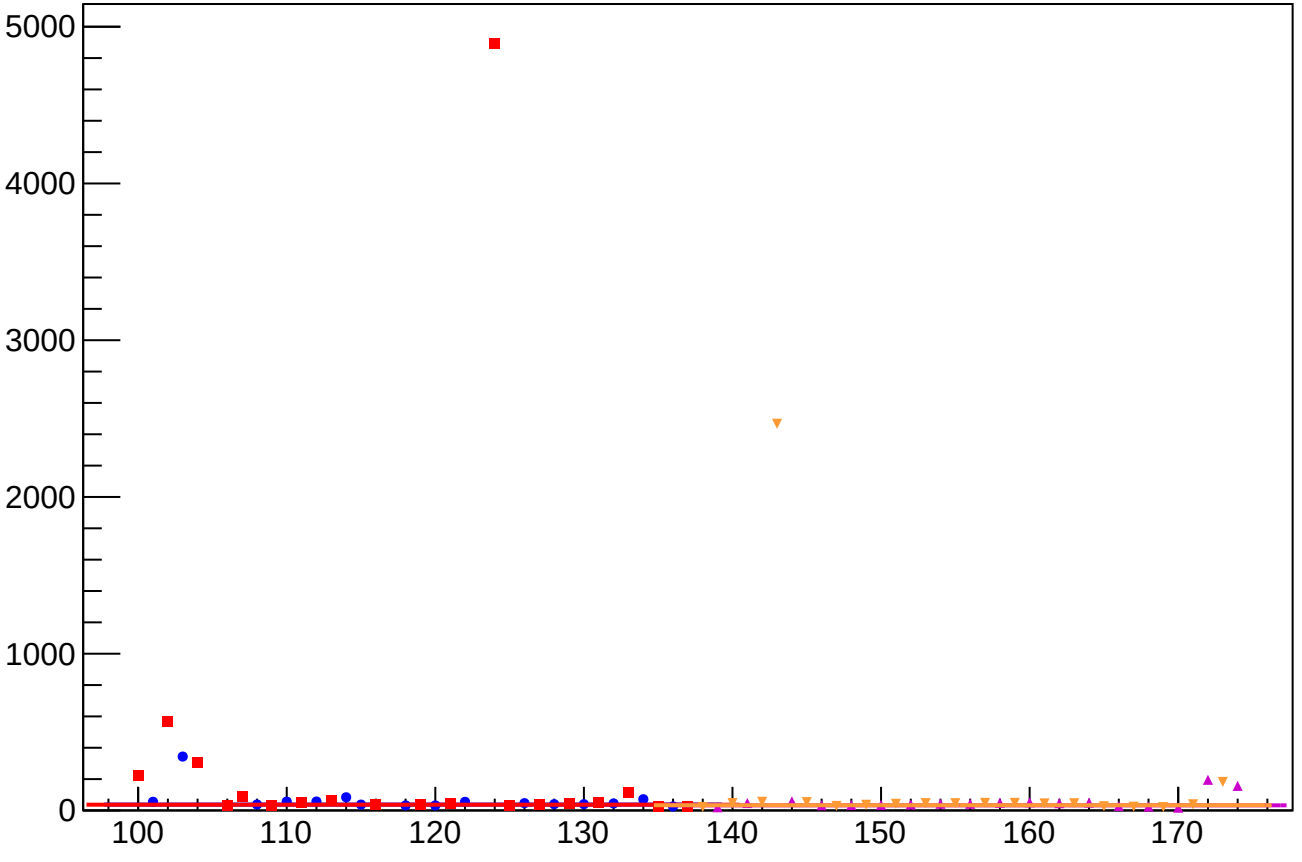
Left In: 0.010+/-0.010 χ^2/NDF:11.9/17

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/34

All: 0.011+/-0.006 χ^2/NDF: 65.2/71

- 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: 33.336+/-0.007 χ^2/NDF:4999907.8/18

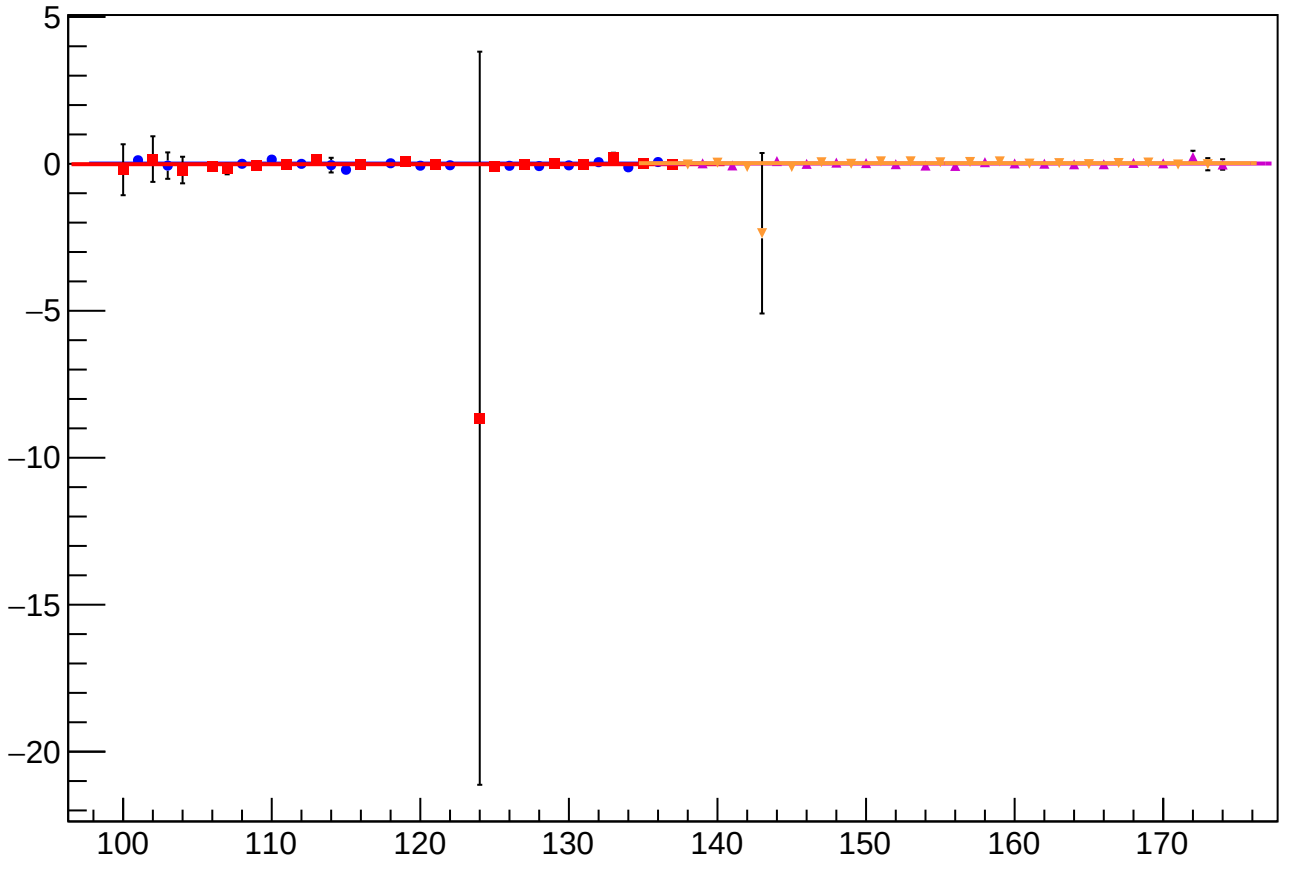
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.619+/-0.007 χ^2/NDF:4812878.9/17

+ sign 34.535+/-0.006 χ^2/NDF: 7078365.4/34

All: 34.121+/-0.004 χ^2/NDF: 15182759.8/71

- 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:18.1/18

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

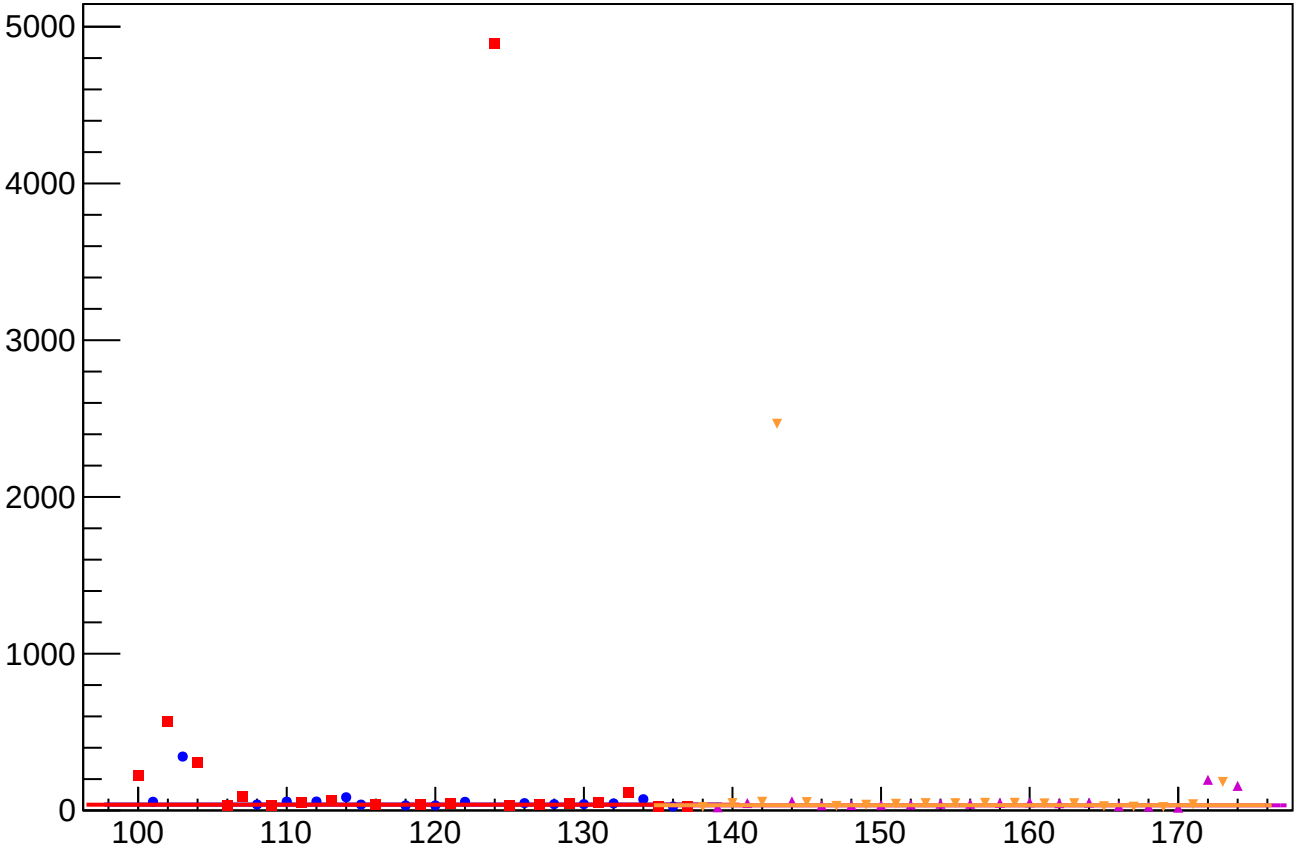
Left In: 0.010+/-0.010 χ^2/NDF:11.9/17

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/34

All: 0.011+/-0.006 χ^2/NDF: 65.2/71

- 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: 33.336+/-0.007 χ^2/NDF:4999907.8/18

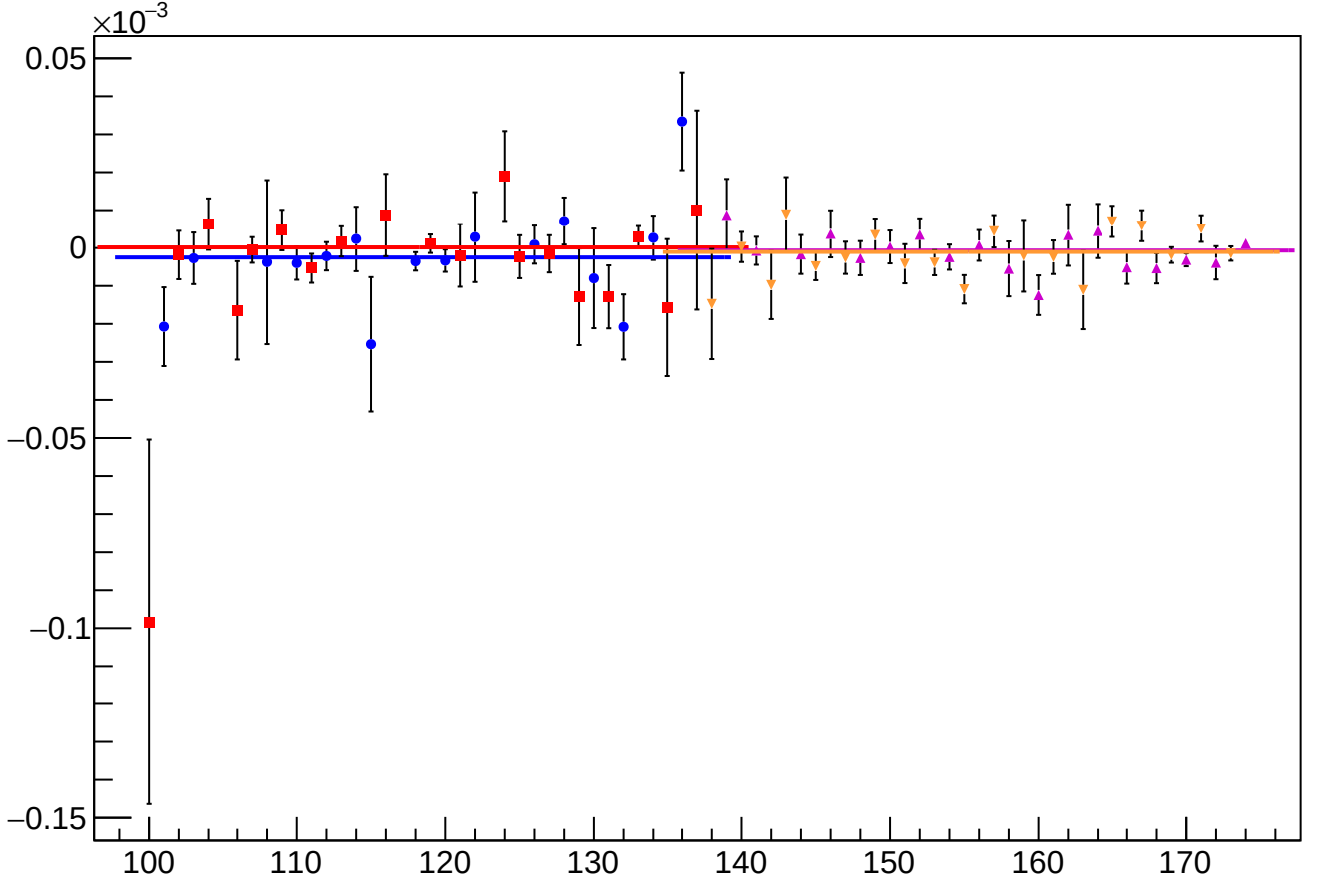
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.619+/-0.007 χ^2/NDF:4812878.9/17

+ sign 34.535+/-0.006 χ^2/NDF: 7078365.4/34

All: 34.121+/-0.004 χ^2/NDF: 15182759.8/71

- 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:26.0/18

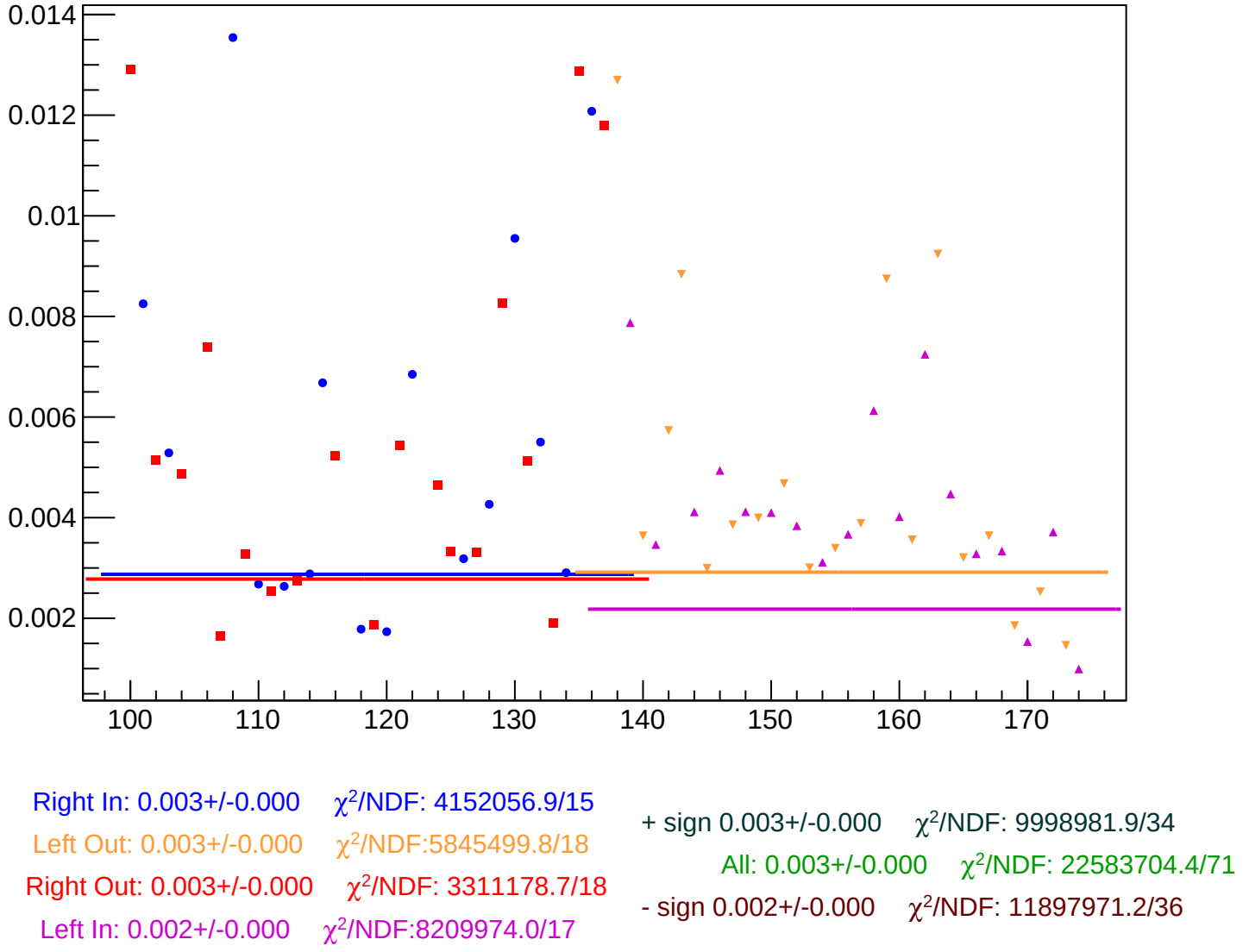
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

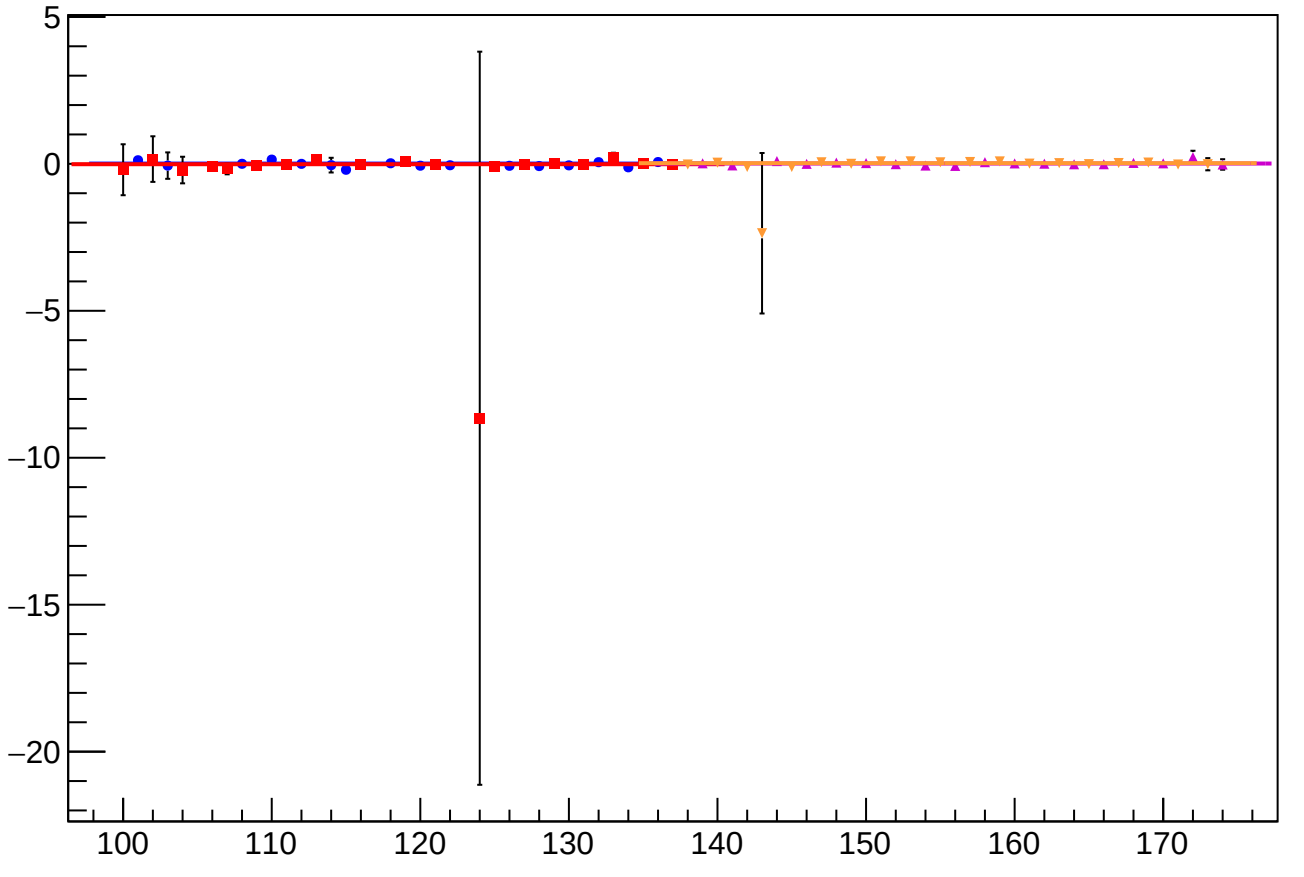
Left In: -0.000+/-0.000 χ^2/NDF:17.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 48.7/34

All: -0.000+/-0.000 χ^2/NDF: 86.6/71

- sign -0.000+/-0.000 χ^2/NDF: 36.7/36


asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.003+/-0.000 χ²/NDF:5845499.8/18
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.002+/-0.000 χ²/NDF:8209974.0/17
+ sign 0.003+/-0.000 χ²/NDF: 9998981.9/34
All: 0.003+/-0.000 χ²/NDF: 22583704.4/71
- sign 0.002+/-0.000 χ²/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:18.1/18

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

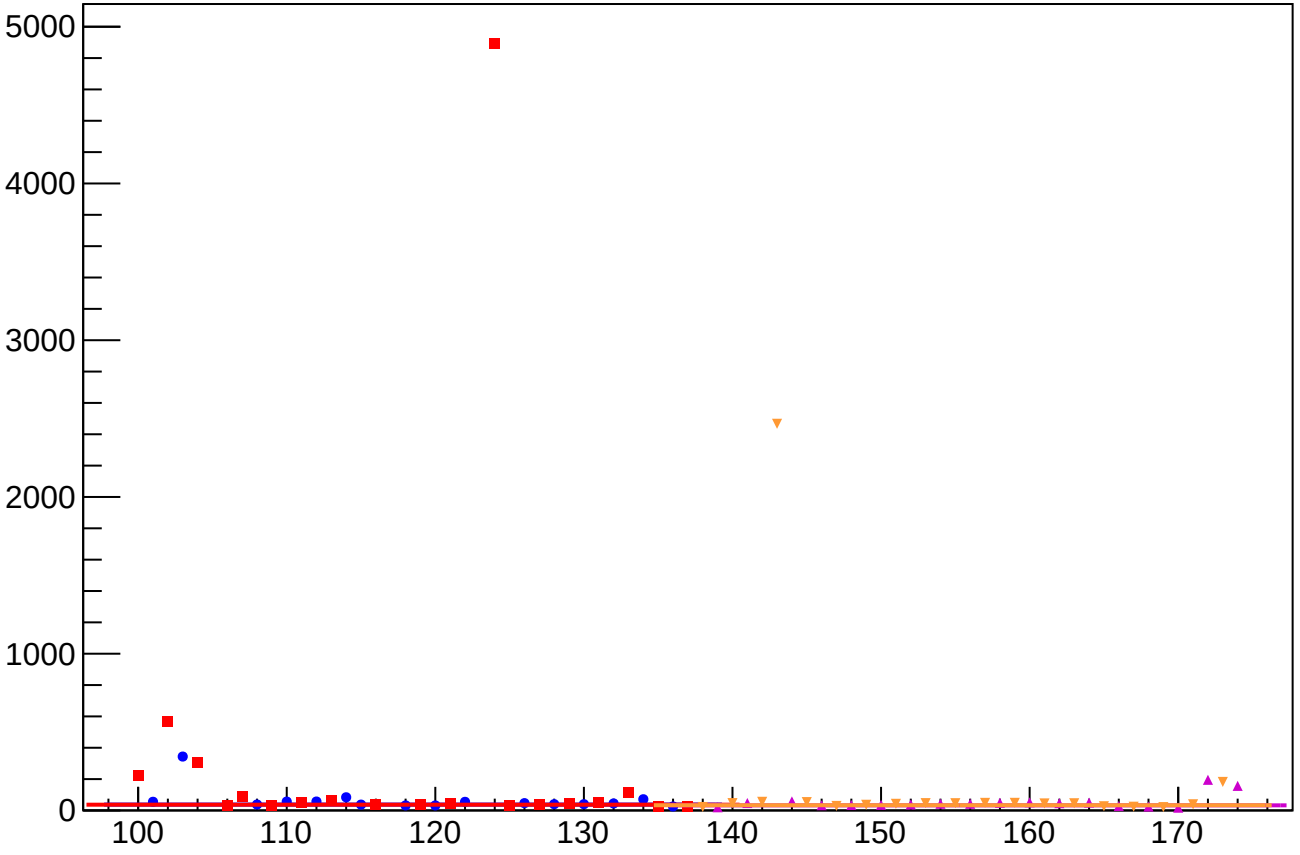
Left In: 0.010+/-0.010 χ^2/NDF:11.9/17

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/34

All: 0.011+/-0.006 χ^2/NDF: 65.2/71

- 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: 33.335+/-0.007 χ^2/NDF:4999975.4/18

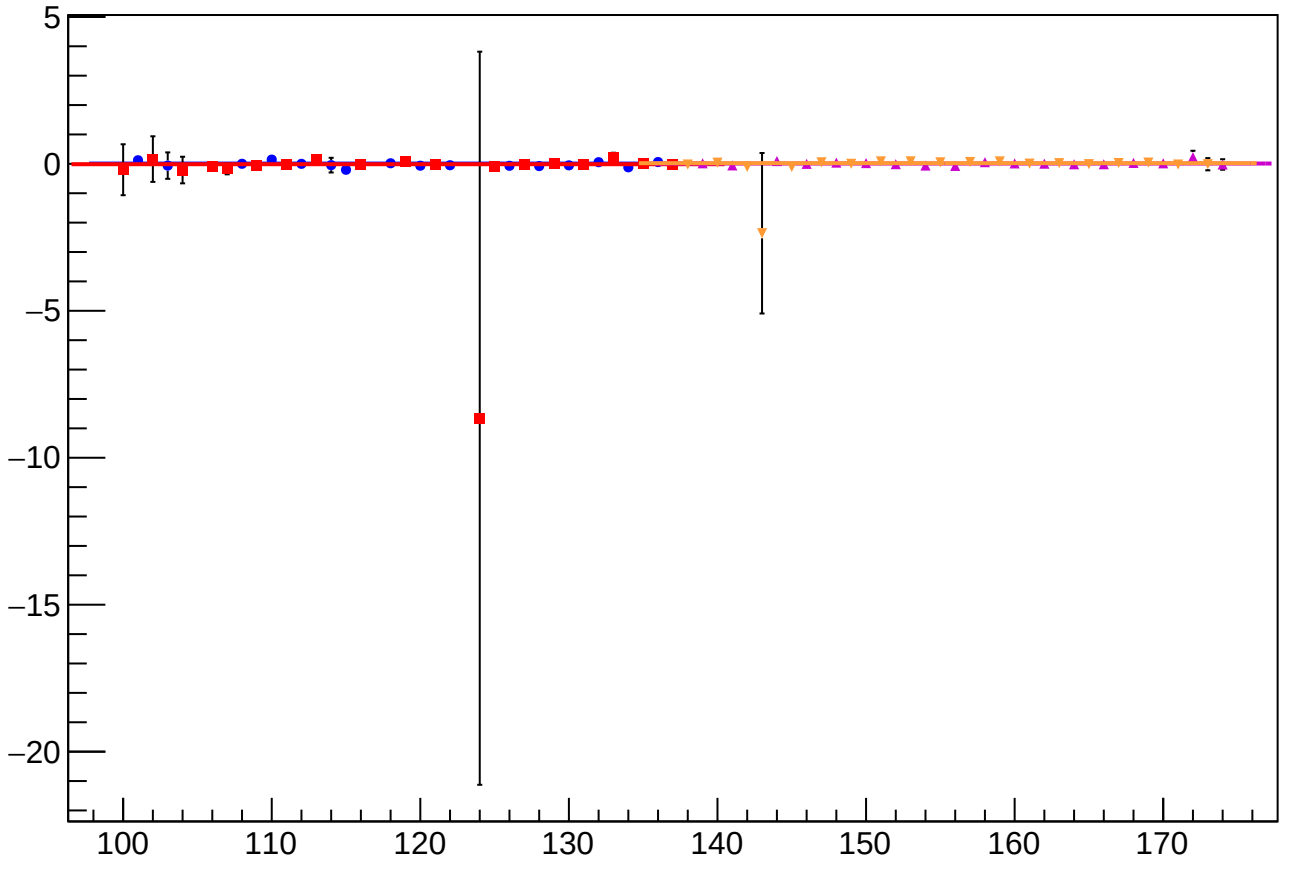
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.621+/-0.007 χ^2/NDF:4811697.3/17

+ sign 34.535+/-0.006 χ^2/NDF: 7078430.8/34

All: 34.122+/-0.004 χ^2/NDF: 15181255.9/71

- 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:18.1/18

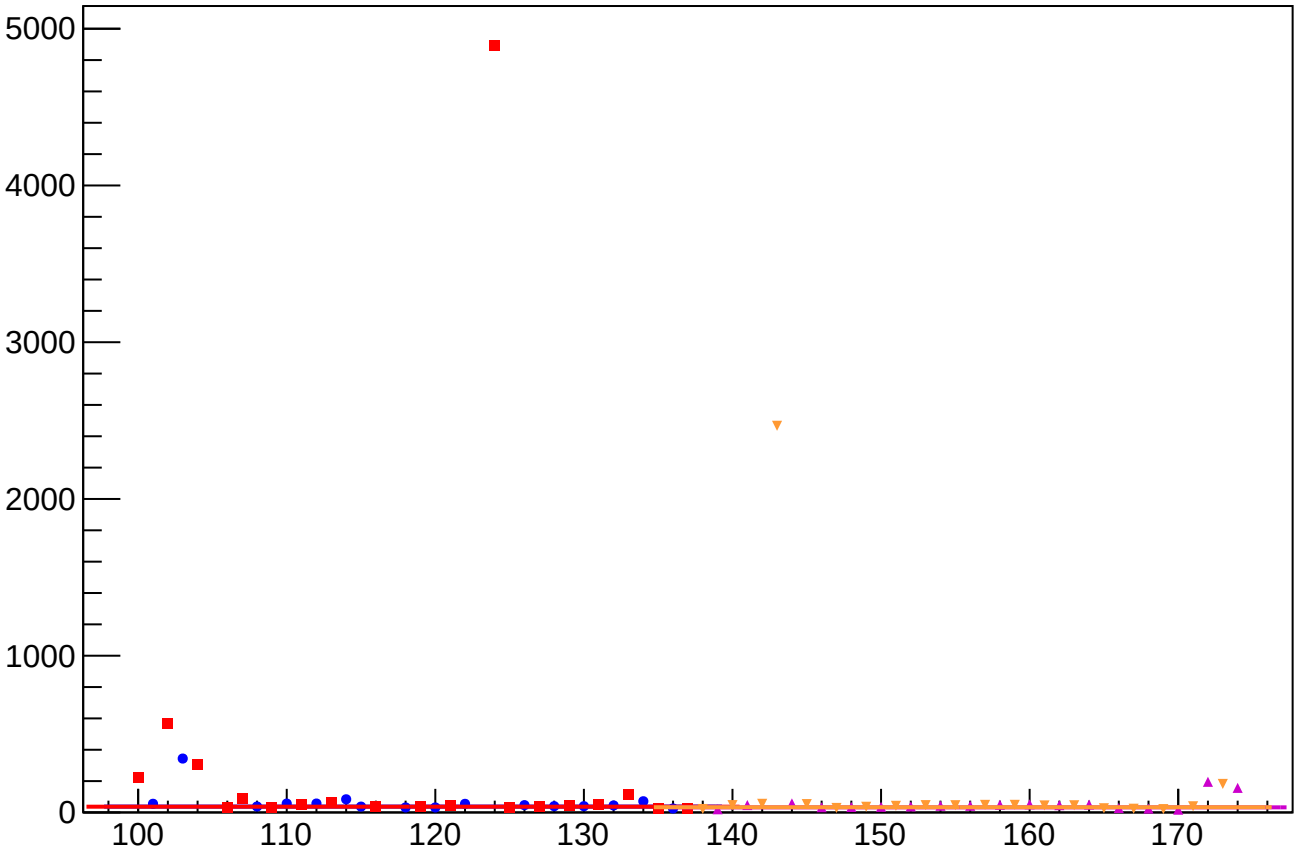
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:11.9/17

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/34

All: 0.011+/-0.006 χ^2/NDF: 65.2/71

- 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: 33.335+/-0.007 χ^2/NDF:4999975.4/18

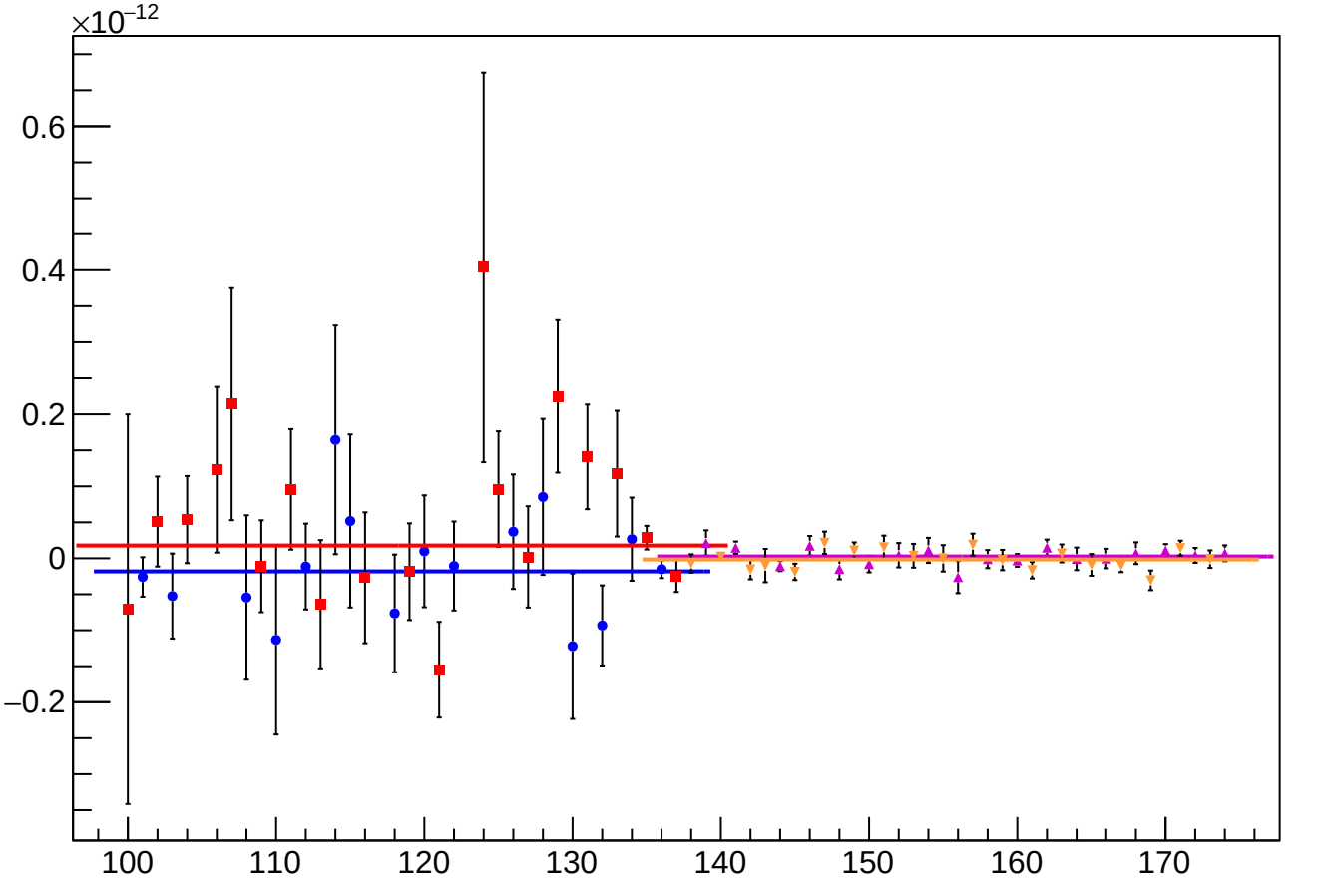
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.621+/-0.007 χ^2/NDF:4811697.3/17

\+ sign 34.535+/-0.006 χ^2/NDF: 7078430.8/34

All: 34.122+/-0.004 χ^2/NDF: 15181255.9/71

\- 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:20.5/18

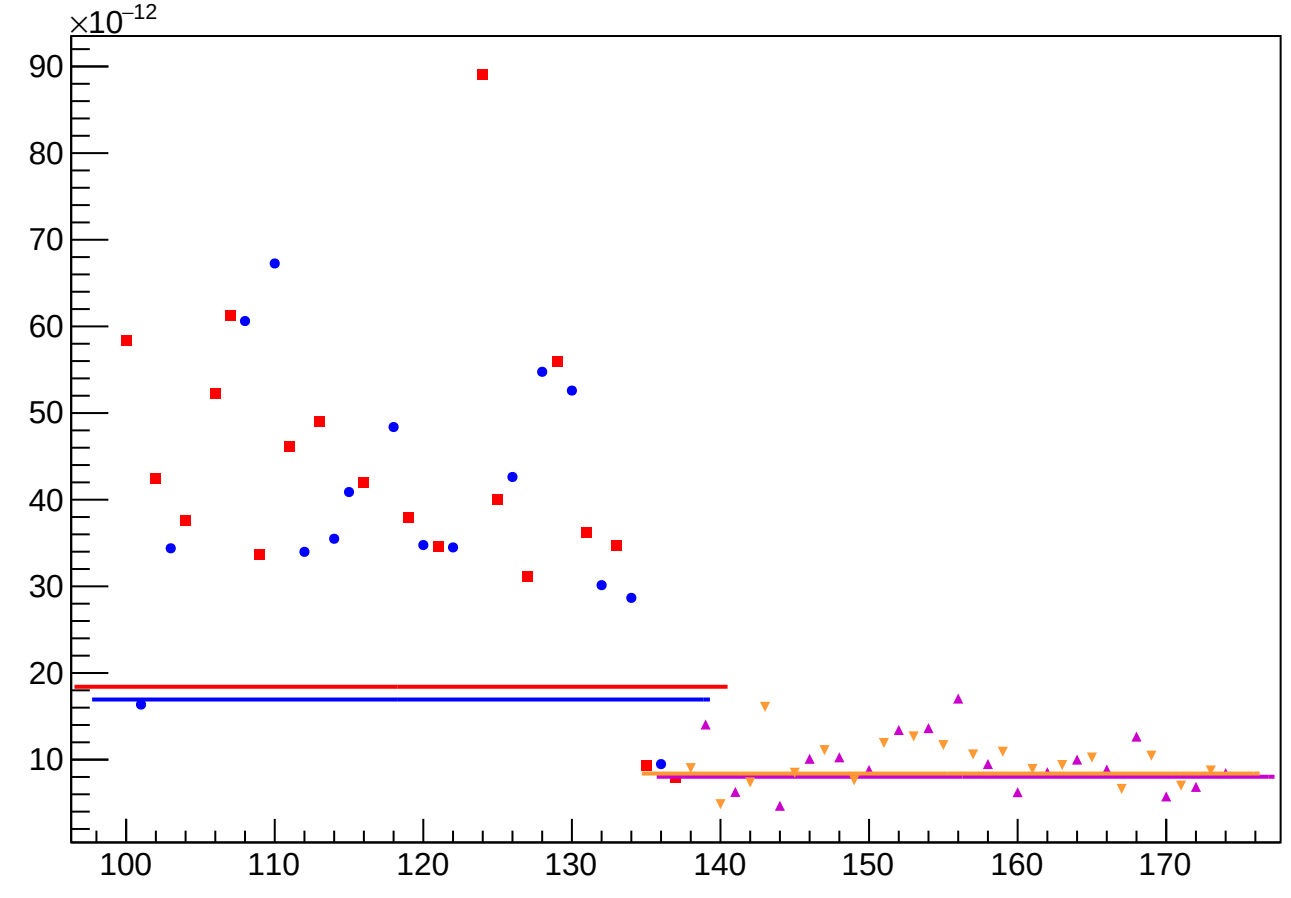
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:15.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 31.4/34

All: 0.000+/-0.000 χ^2/NDF: 78.2/71

- sign 0.000+/-0.000 χ^2/NDF: 44.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1452973.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

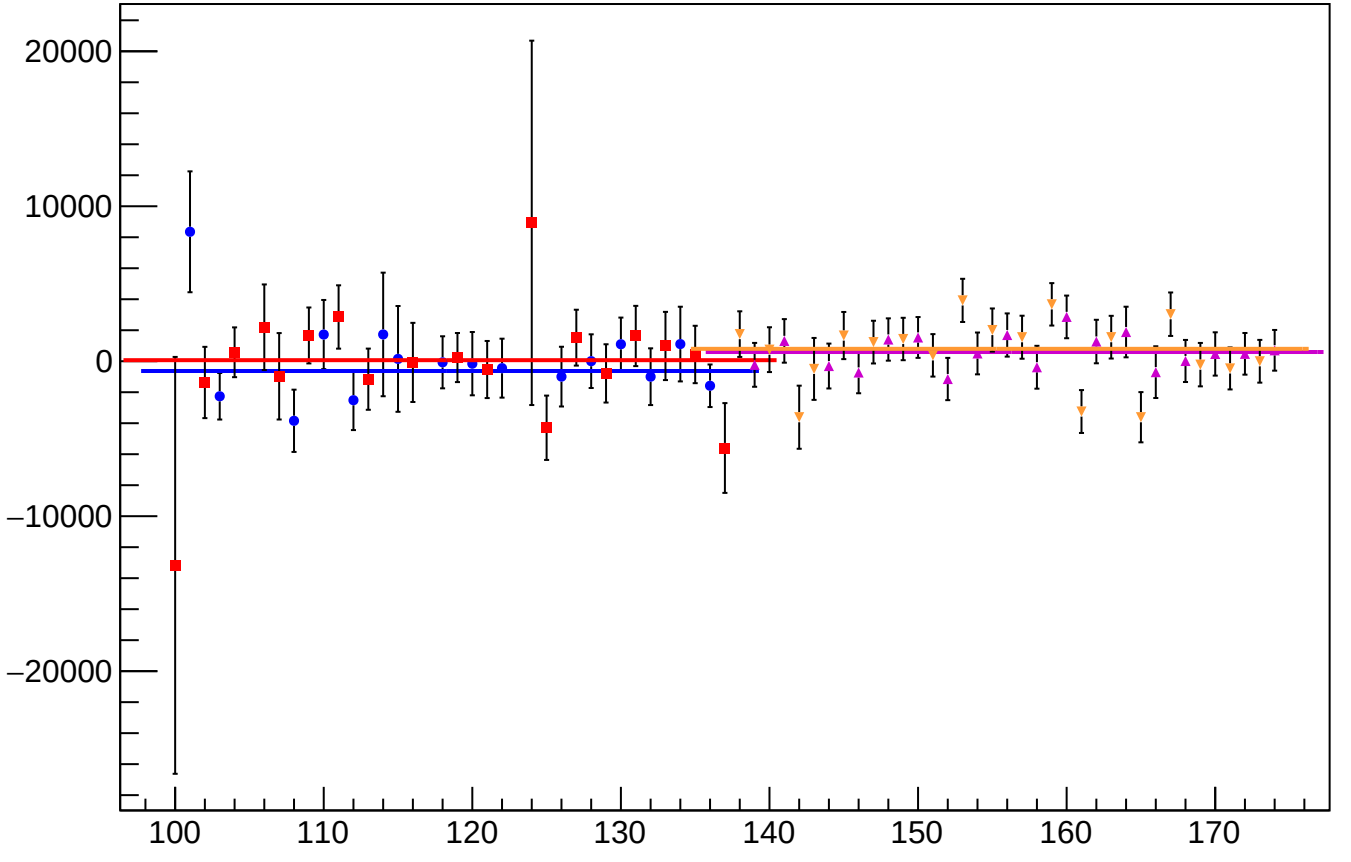
Left In: 0.000+/-0.000 χ^2/NDF:2102767.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 6034305.8/34

All: 0.000+/-0.000 χ^2/NDF: 13499802.7/71

- sign 0.000+/-0.000 χ^2/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: 800.105+/-332.268 χ^2/NDF:37.3/18

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

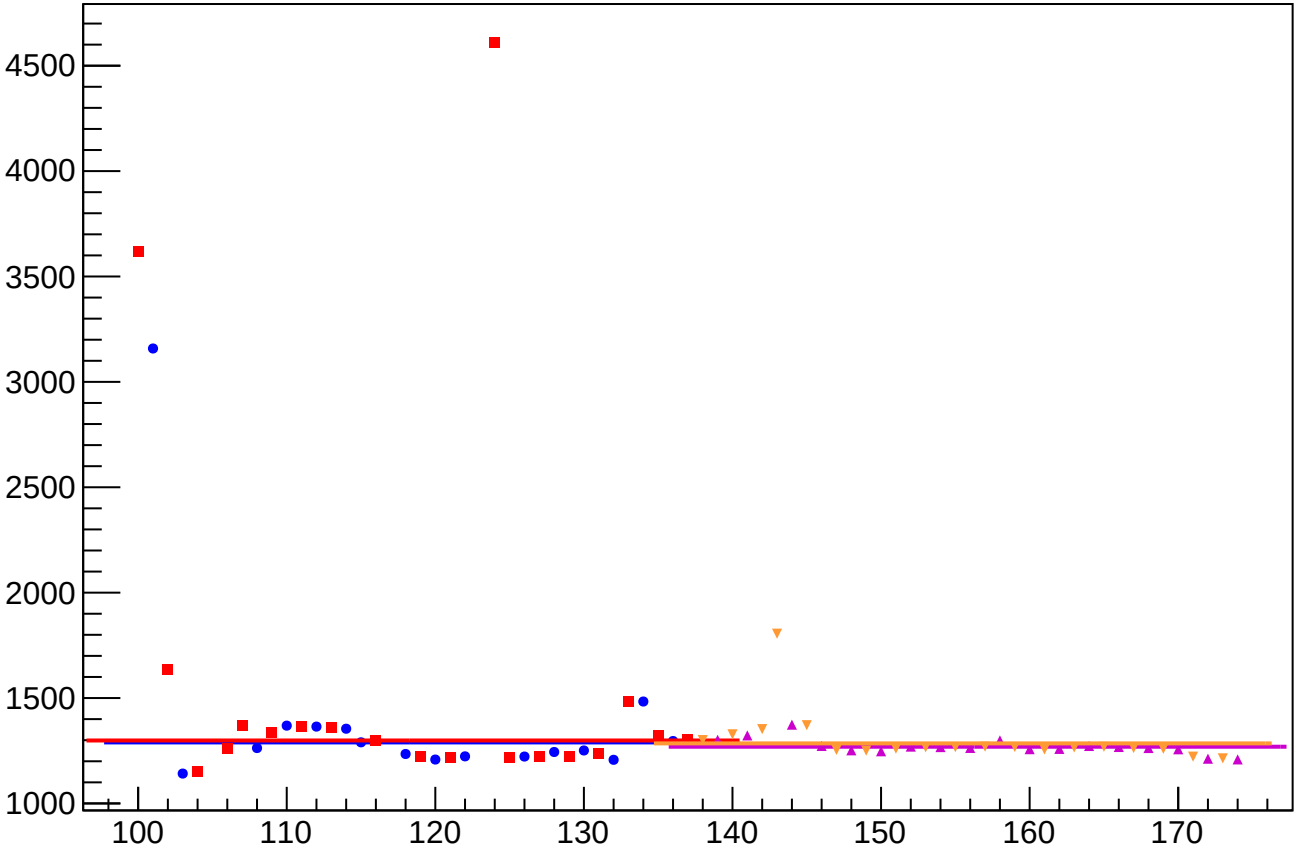
Left In: 594.396+/-329.096 χ^2/NDF:10.0/17

\+ sign 347.630+/-274.767 χ^2/NDF: 57.1/34

All: 388.915+/-193.593 χ^2/NDF: 83.7/71

\- 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: 1284.835+/-0.235 χ^2/NDF:162767.3/18

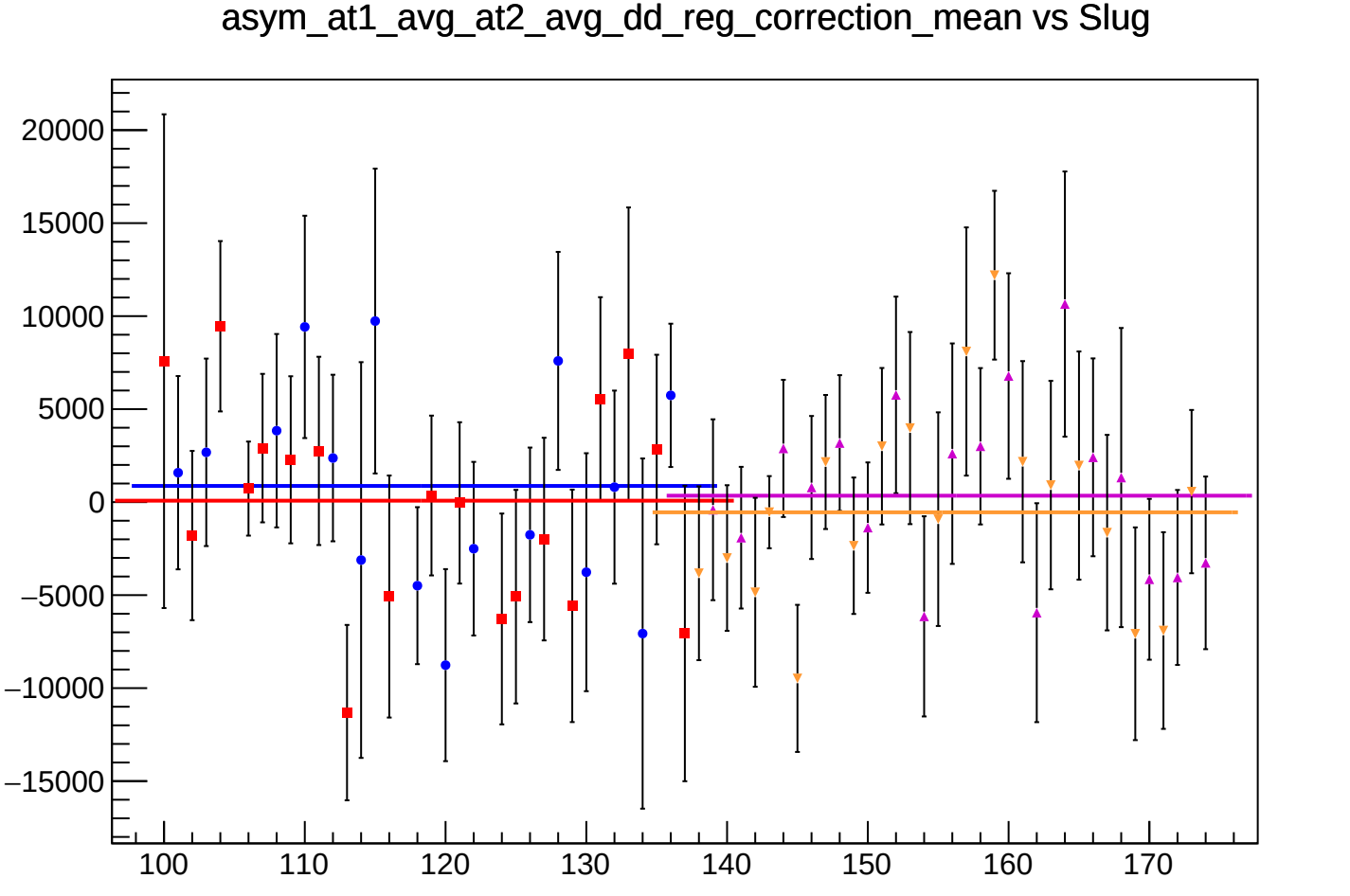
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

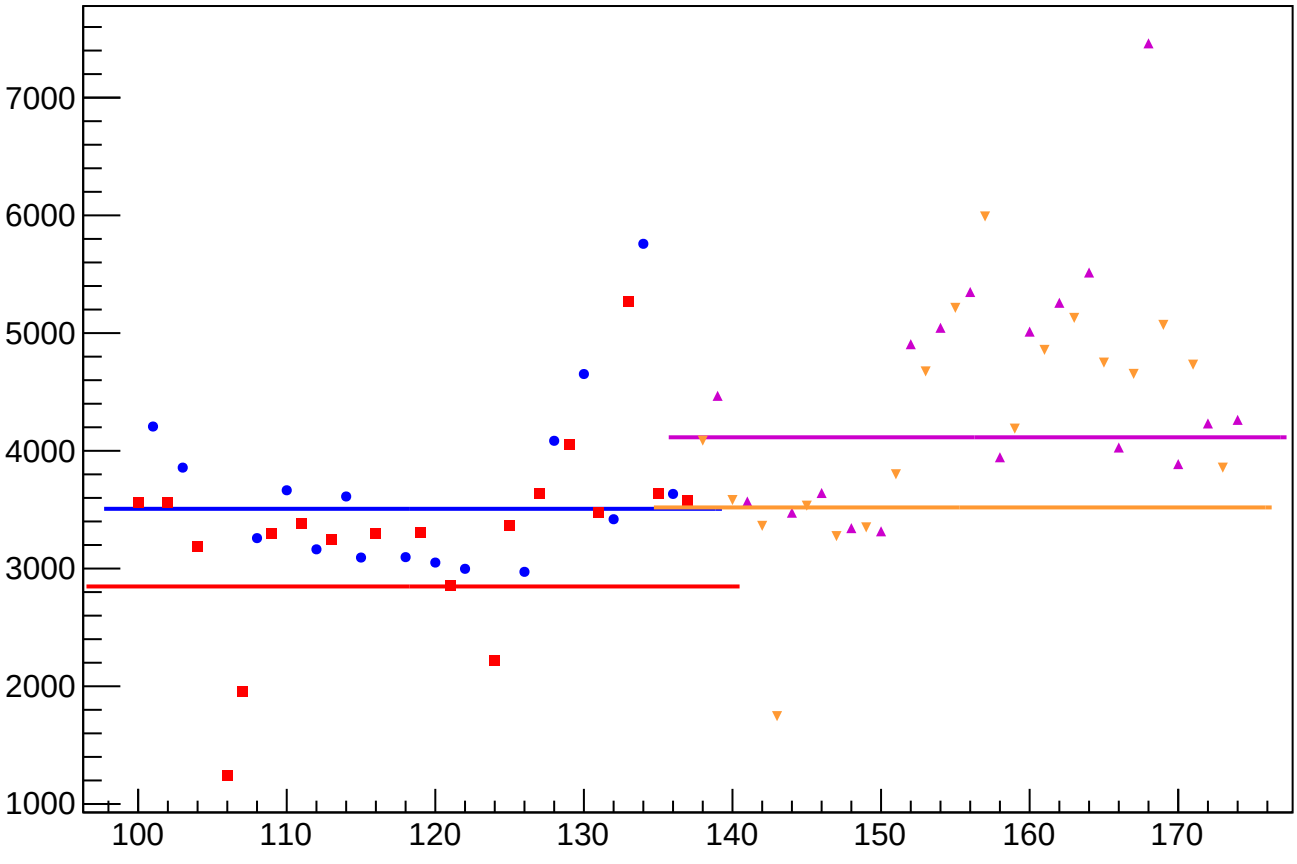
Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1286.299+/-0.194 χ^2/NDF: 677565.2/34

All: 1282.292+/-0.137 χ^2/NDF: 1027375.6/71

- 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: -548.542+/-965.250 χ²/NDF:21.9/18
Right Out: 77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 345.521+/-1090.150 χ²/NDF:12.1/17
+ sign -56.761+/-780.237 χ²/NDF: 36.7/34
All: 78.968+/-550.970 χ²/NDF: 67.2/71
- sign 213.971+/-778.145 χ²/NDF: 30.5/36



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3519.157+/-0.683 χ^2/NDF:3043118.6/18

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

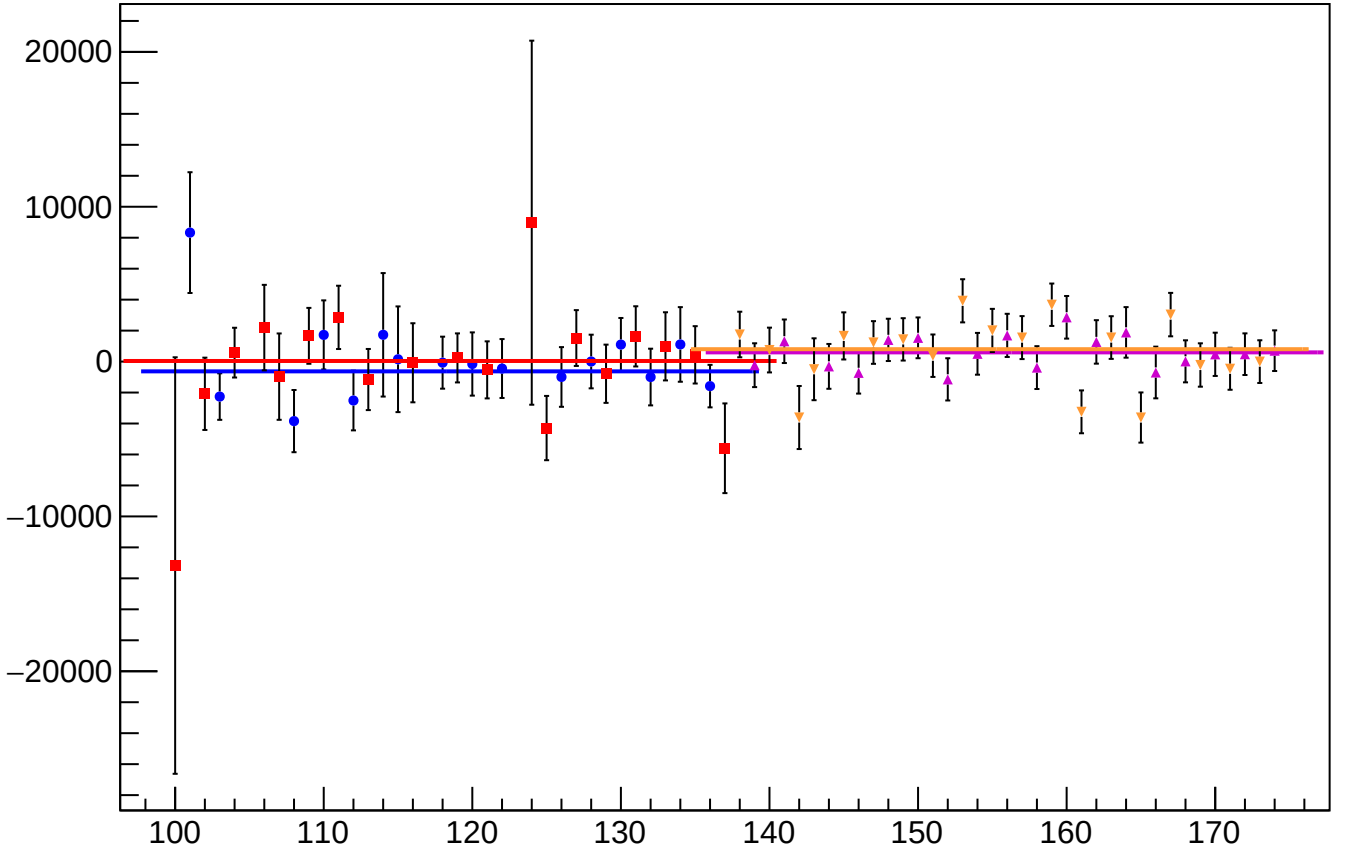
Left In: 4114.916+/-0.771 χ^2/NDF:1090708.1/17

+ sign 3515.081+/-0.552 χ^2/NDF: 3397200.6/34

All: 3504.220+/-0.390 χ^2/NDF: 7313320.5/71

- 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: 800.137+/-332.268 χ^2/NDF:37.3/18

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

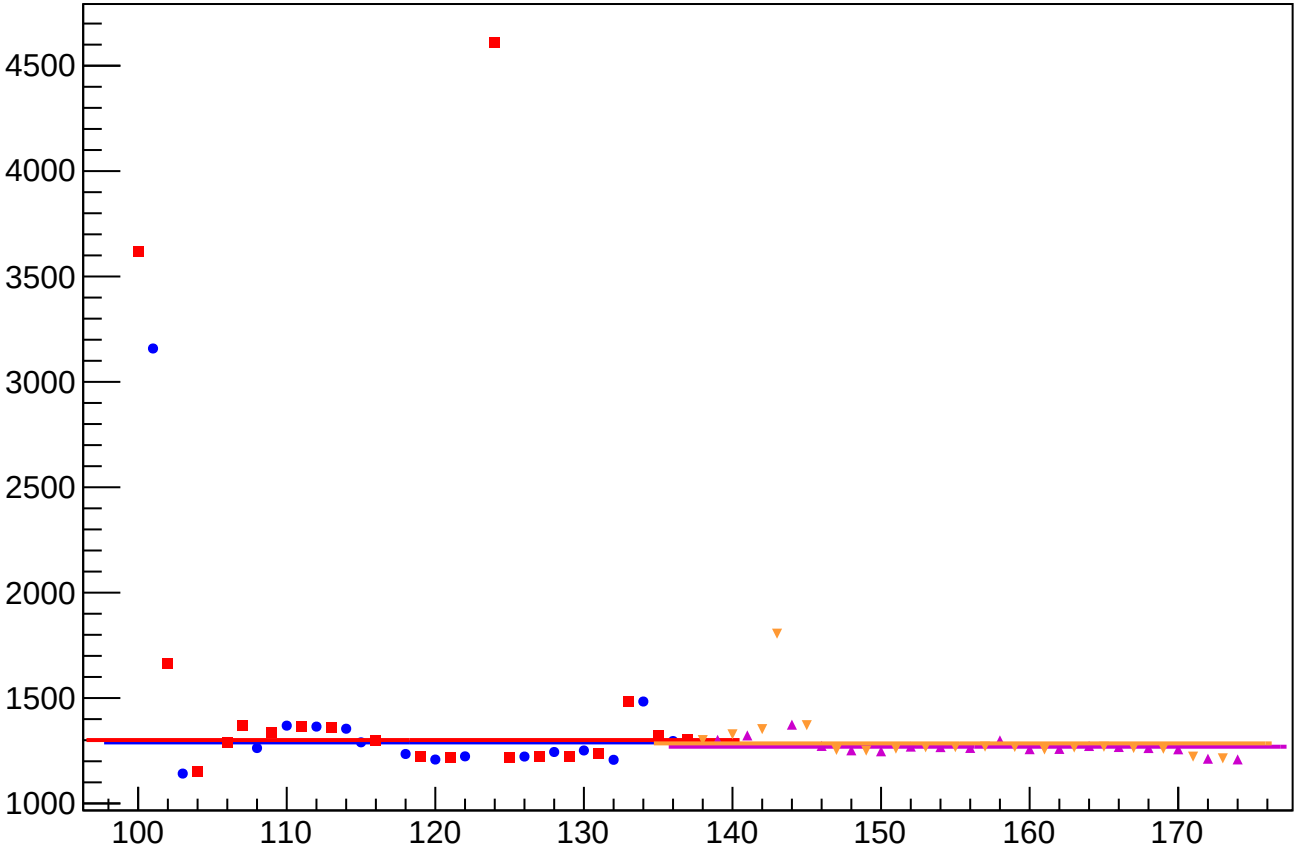
Left In: 594.340+/-329.096 χ^2/NDF:10.0/17

\+ sign 347.530+/-274.767 χ^2/NDF: 57.0/34

All: 384.348+/-193.613 χ^2/NDF: 84.2/71

\- 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: 1284.835+/-0.235 χ^2/NDF:162767.3/18

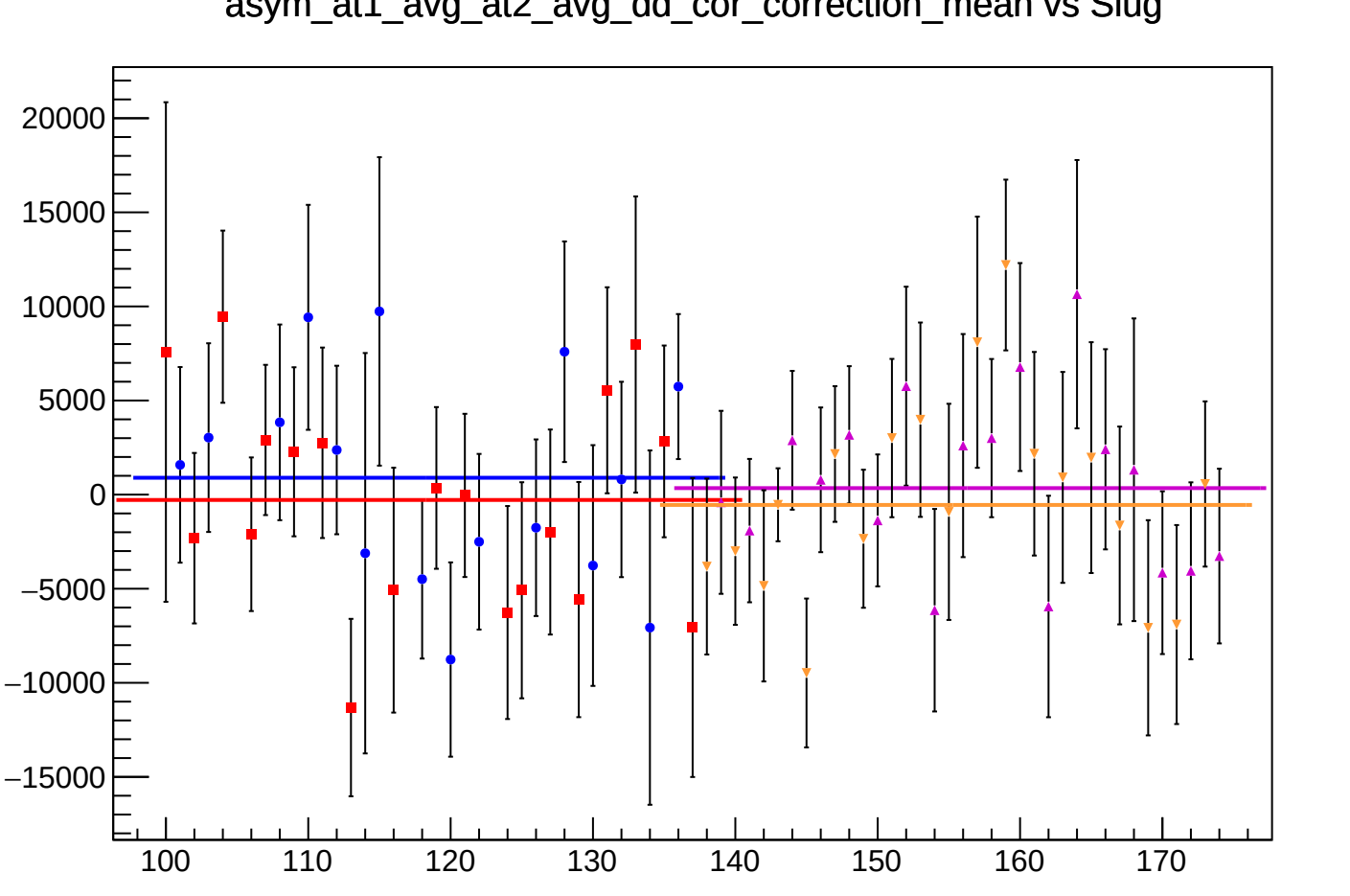
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1286.299+/-0.194 χ^2/NDF: 677566.6/34

All: 1282.605+/-0.137 χ^2/NDF: 1034492.2/71

- 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: -548.467+/-965.248 χ^2/NDF:21.9/18

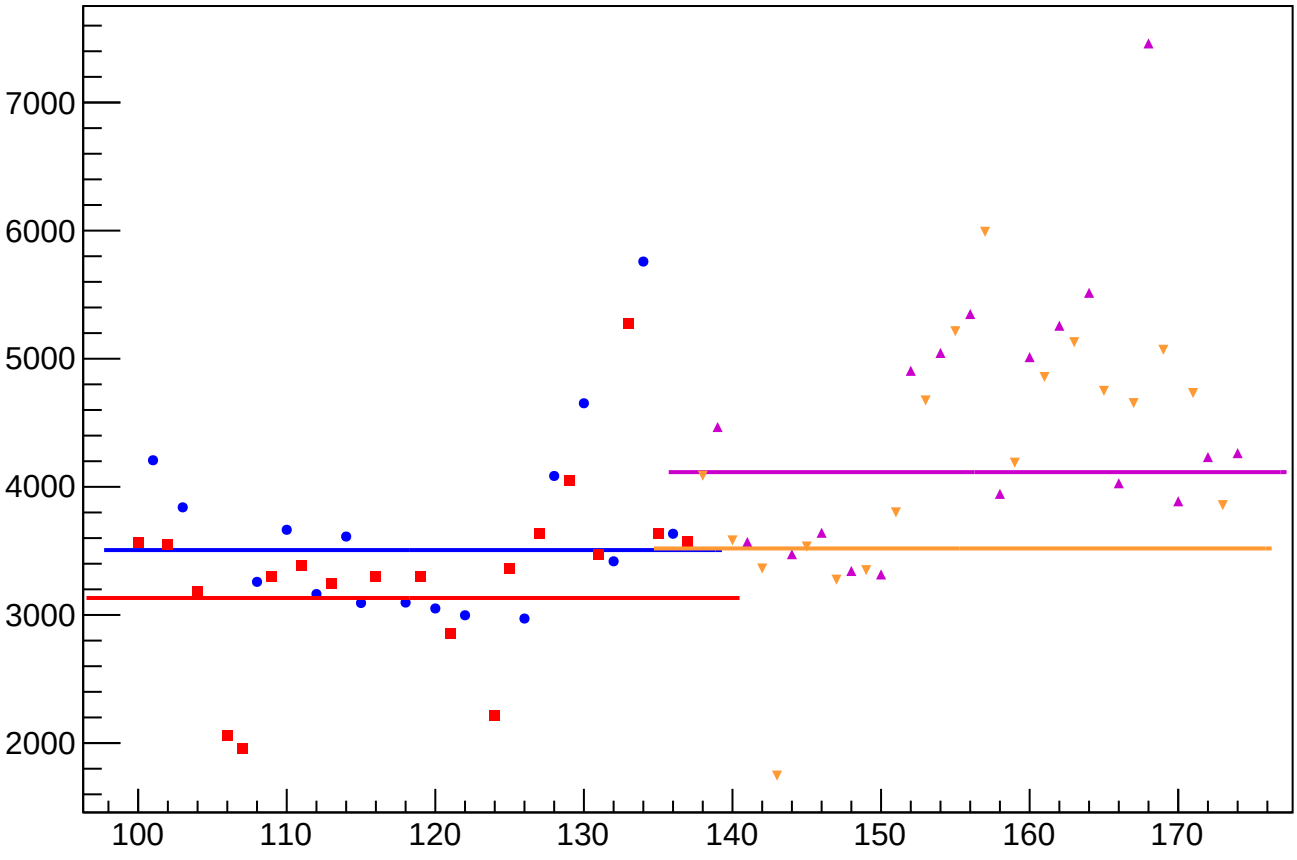
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 345.521+/-1090.149 χ^2/NDF:12.1/17

+ sign -47.573+/-780.143 χ^2/NDF: 36.8/34

All: 3.041+/-559.118 χ^2/NDF: 67.6/71

- 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: 3519.148+/-0.683 χ^2/NDF:3043150.2/18

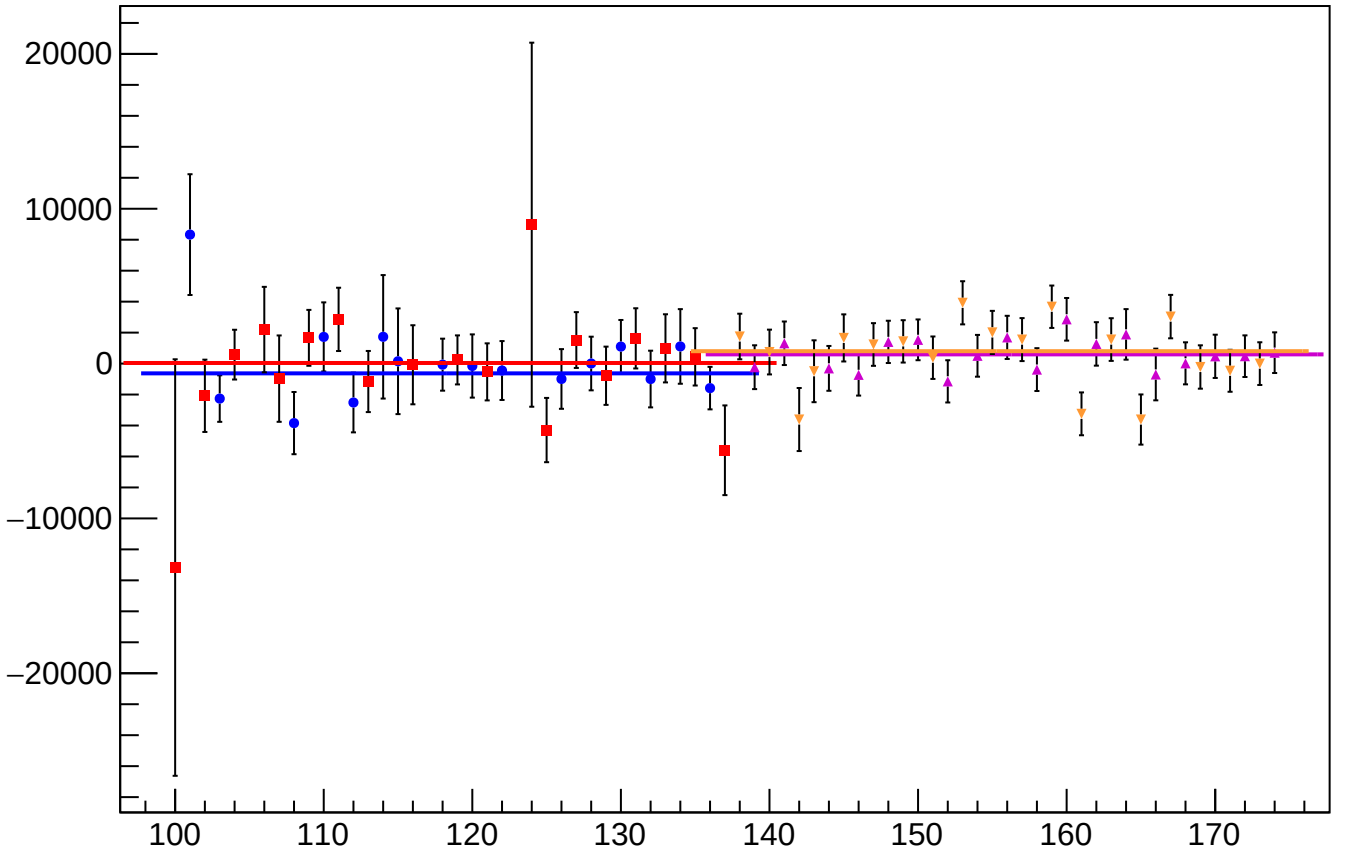
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

+ sign 3514.757+/-0.552 χ^2/NDF: 3396507.3/34

All: 3587.283+/-0.395 χ^2/NDF: 5917997.3/71

- 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: 800.137+/-332.268 χ^2/NDF:37.3/18

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

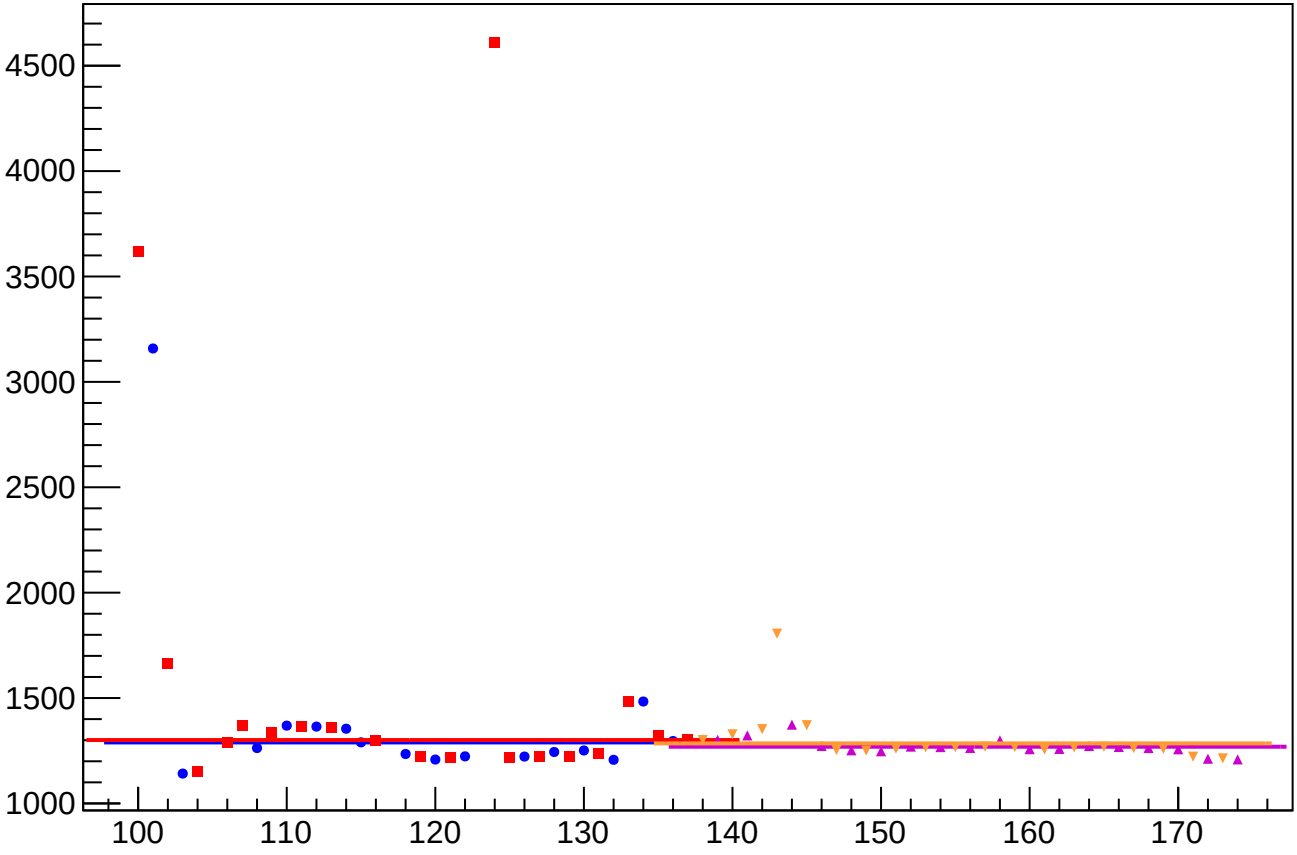
Left In: 594.340+/-329.096 χ^2/NDF:10.0/17

+ sign 347.530+/-274.767 χ^2/NDF: 57.0/34

All: 384.348+/-193.613 χ^2/NDF: 84.2/71

- 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: 1284.835+/-0.235 χ^2/NDF:162767.3/18

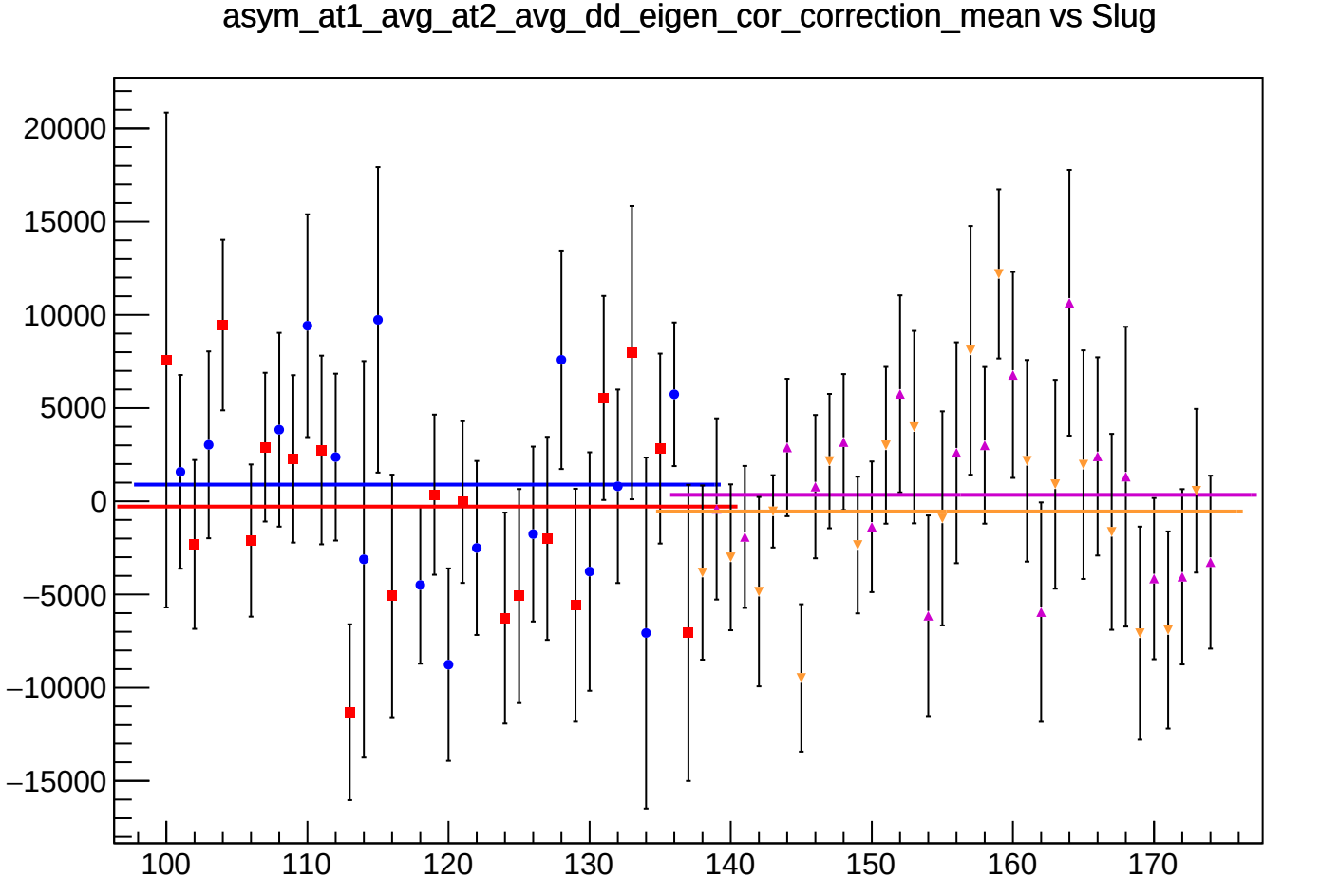
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

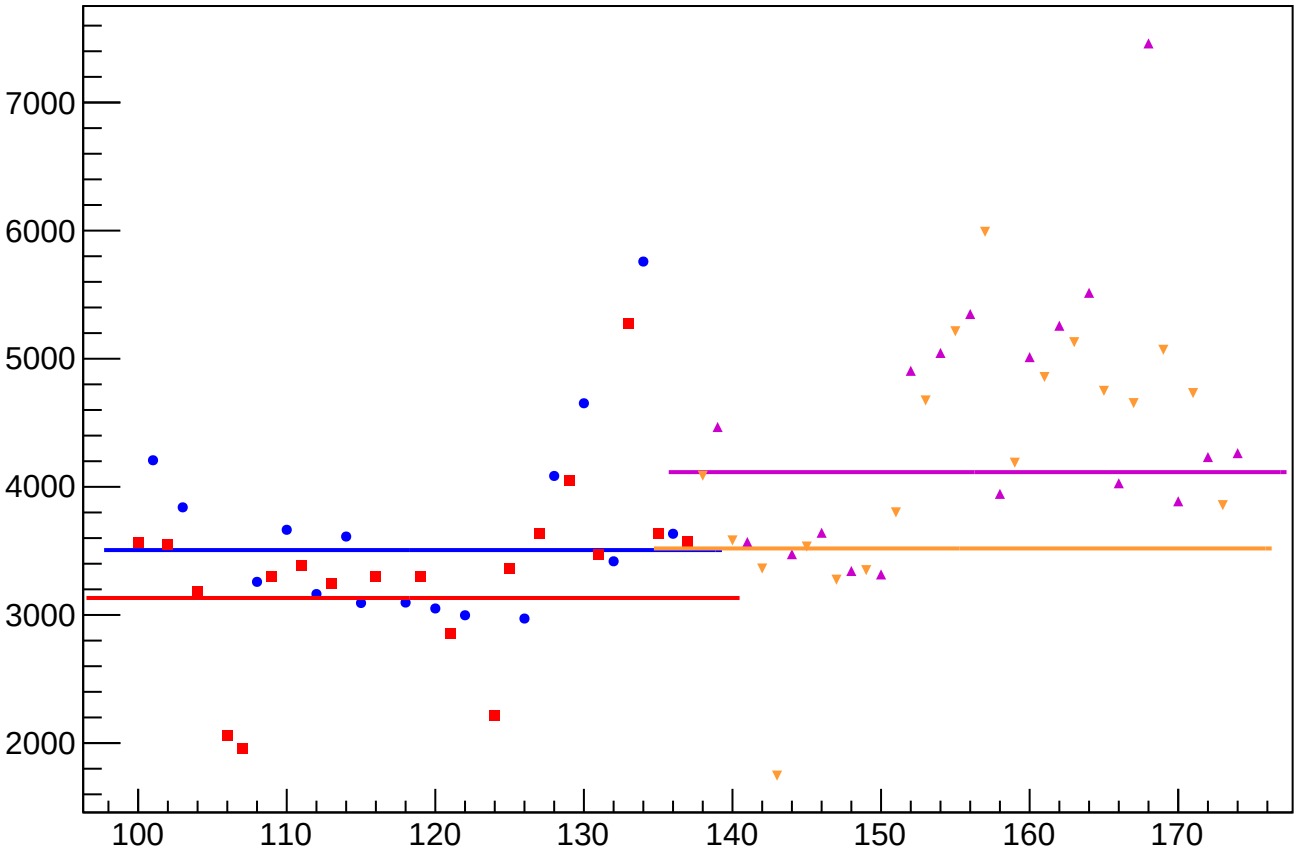
Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1286.299+/-0.194 χ^2/NDF: 677566.6/34

All: 1282.605+/-0.137 χ^2/NDF: 1034492.2/71

- sign 1278.965+/-0.193 χ^2/NDF: 356207.8/36


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -548.467+/-965.248 χ²/NDF:21.9/18
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 345.521+/-1090.149 χ²/NDF:12.1/17
+ sign -47.573+/-780.143 χ²/NDF: 36.8/34
All: 3.041+/-559.118 χ²/NDF: 67.6/71
- sign 56.494+/-801.723 χ²/NDF: 30.8/36



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3519.148+/-0.683 χ^2/NDF:3043150.2/18

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

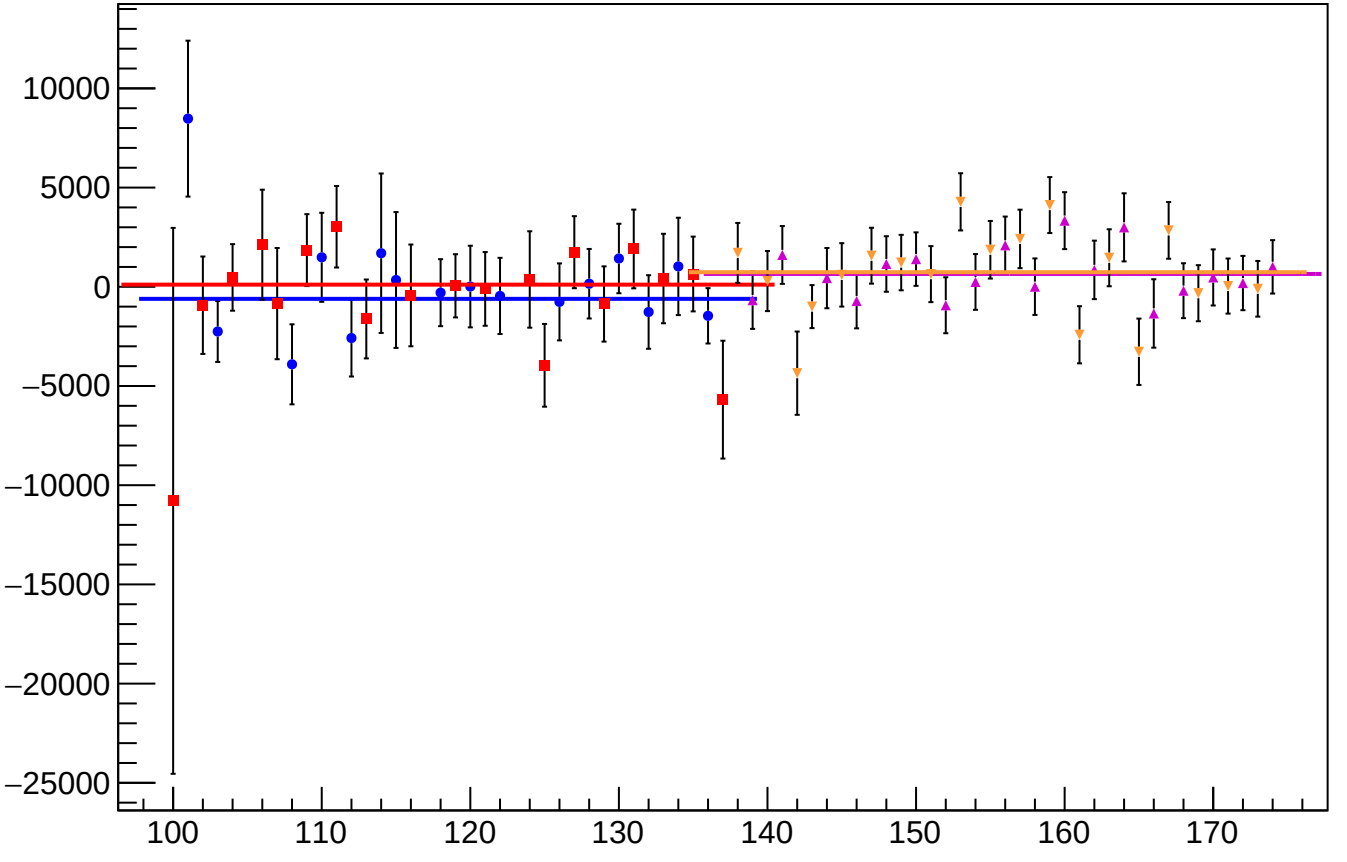
Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

+ sign 3514.757+/-0.552 χ^2/NDF: 3396507.3/34

All: 3587.283+/-0.395 χ^2/NDF: 5917997.3/71

- 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: 735.045+/-331.086 χ^2/NDF:37.3/18

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

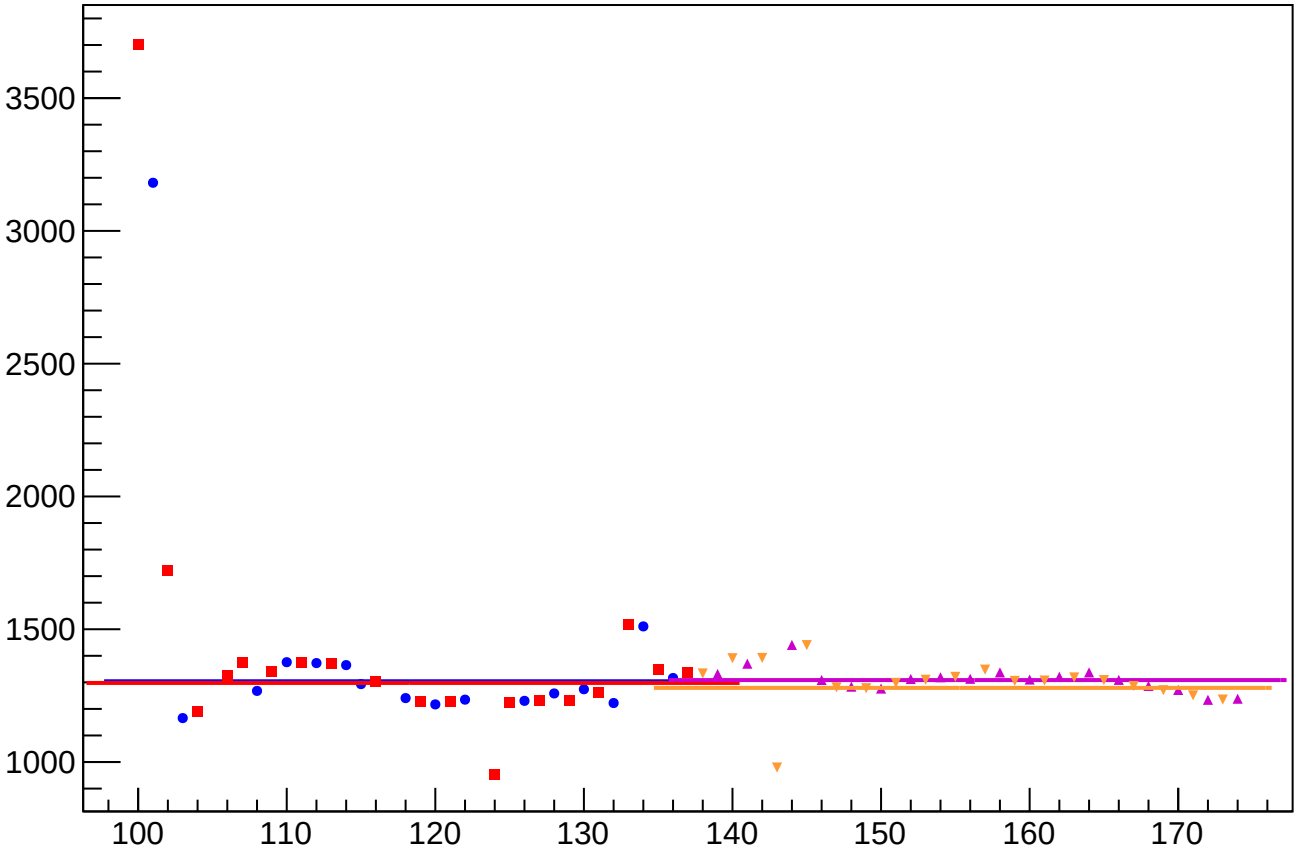
Left In: 647.406+/-339.439 χ^2/NDF:12.5/17

+ sign 319.021+/-275.061 χ^2/NDF: 56.5/34

All: 393.917+/-195.598 χ^2/NDF: 84.9/71

- 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: 1279.191+/-0.234 χ^2/NDF:206354.8/18

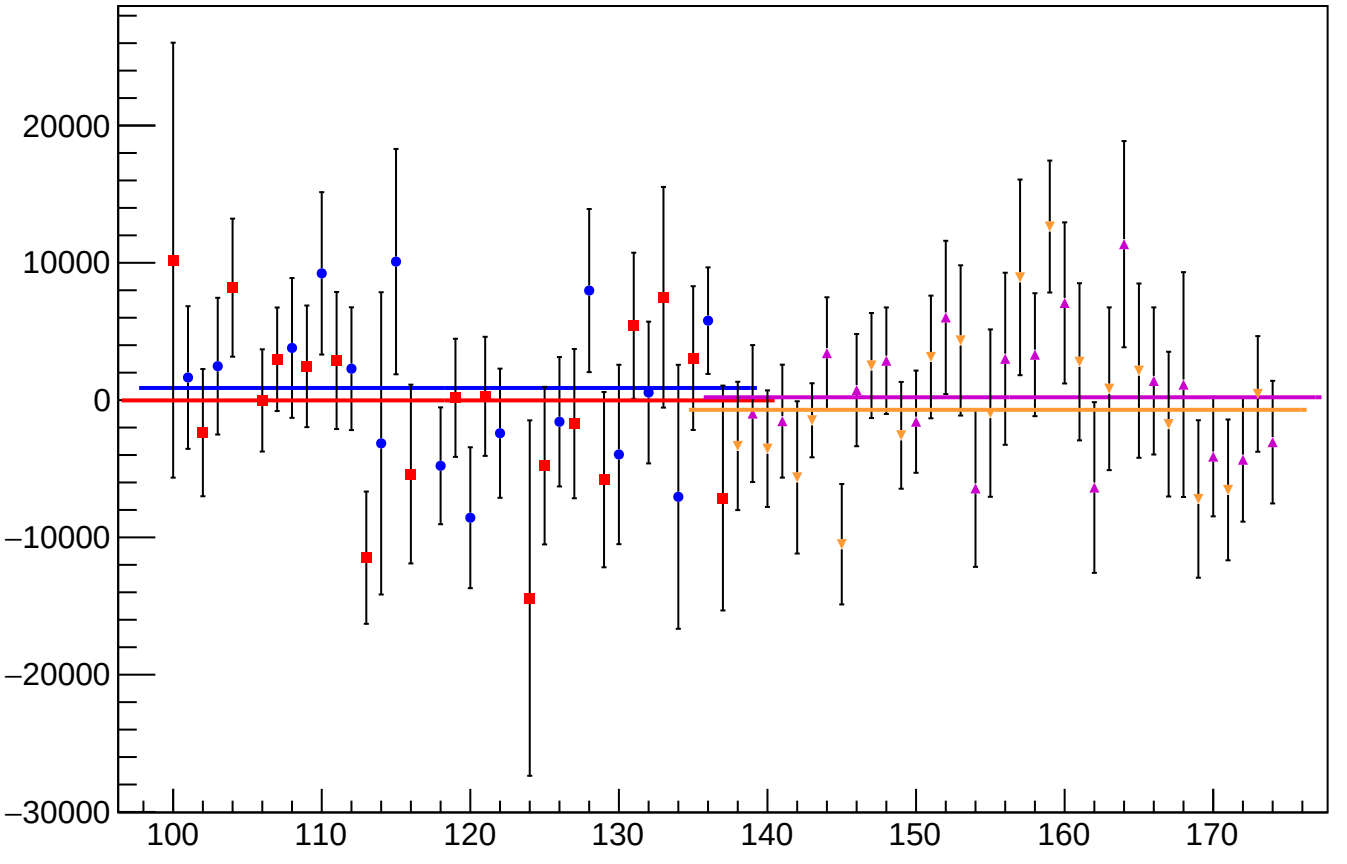
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1308.584+/-0.240 χ^2/NDF:35969.6/17

+ sign 1286.908+/-0.194 χ^2/NDF: 720452.0/34

All: 1295.873+/-0.138 χ^2/NDF: 974478.7/71

- 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: -708.290+/-1068.709 χ^2/NDF:22.0/18

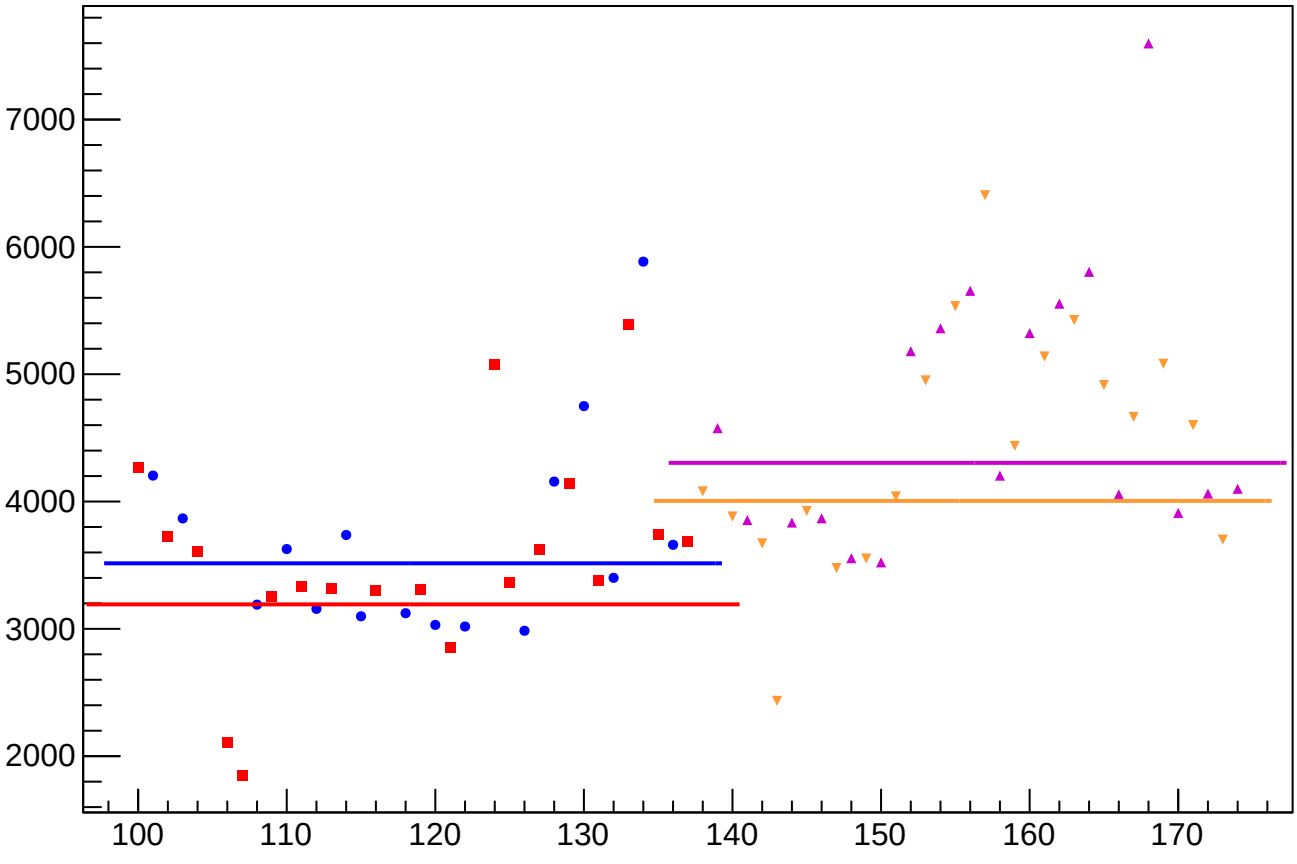
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 206.543+/-1139.188 χ^2/NDF:12.0/17

+ sign -82.049+/-832.440 χ^2/NDF: 37.0/34

All: 9.074+/-586.404 χ^2/NDF: 65.9/71

- 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: 4005.003+/-0.756 χ^2/NDF:1556289.4/18

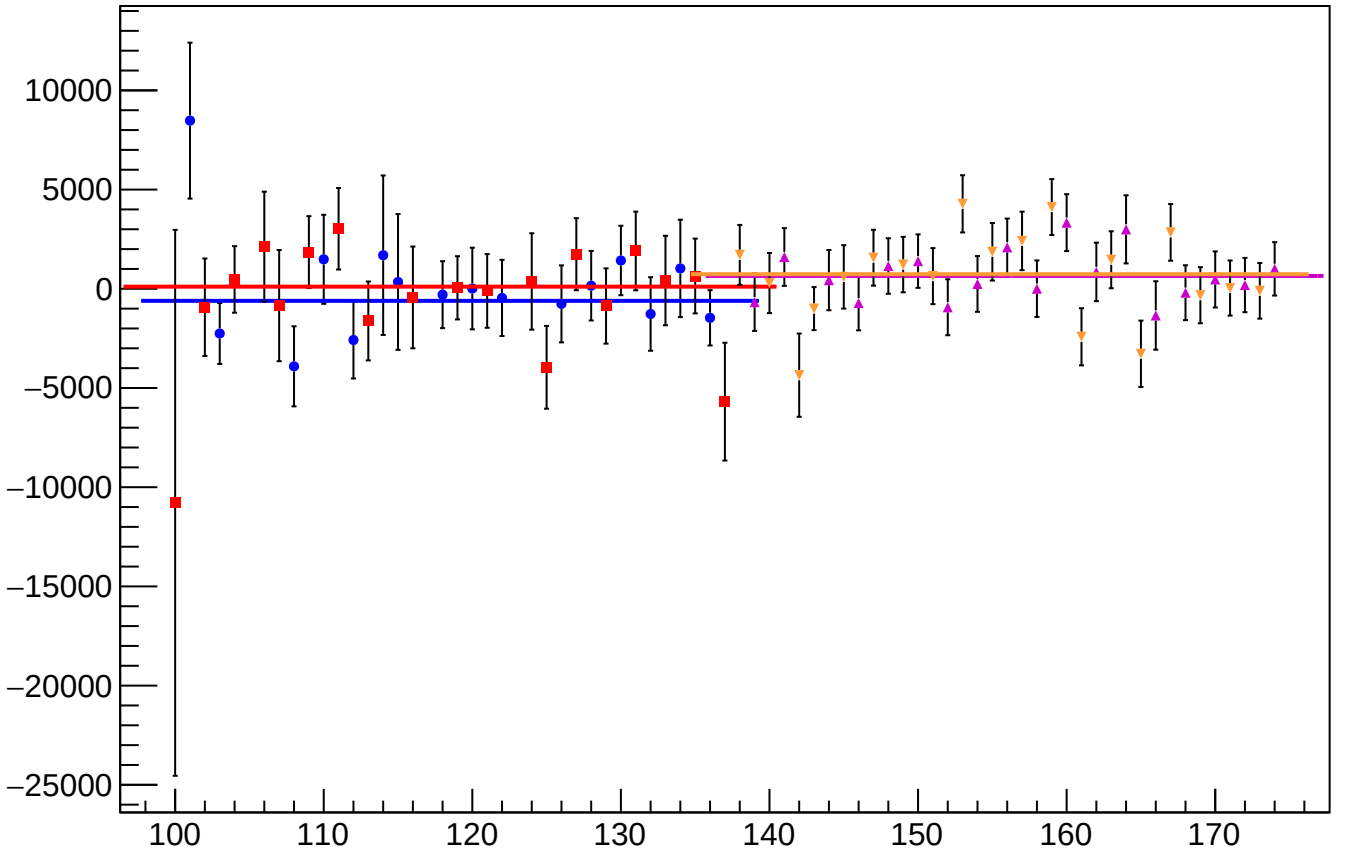
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4303.858+/-0.806 χ^2/NDF:1028472.8/17

+ sign 3812.194+/-0.589 χ^2/NDF: 2096892.8/34

All: 3794.423+/-0.415 χ^2/NDF: 4802426.0/71

- 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: 735.048+/-331.086 χ^2/NDF:37.3/18

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

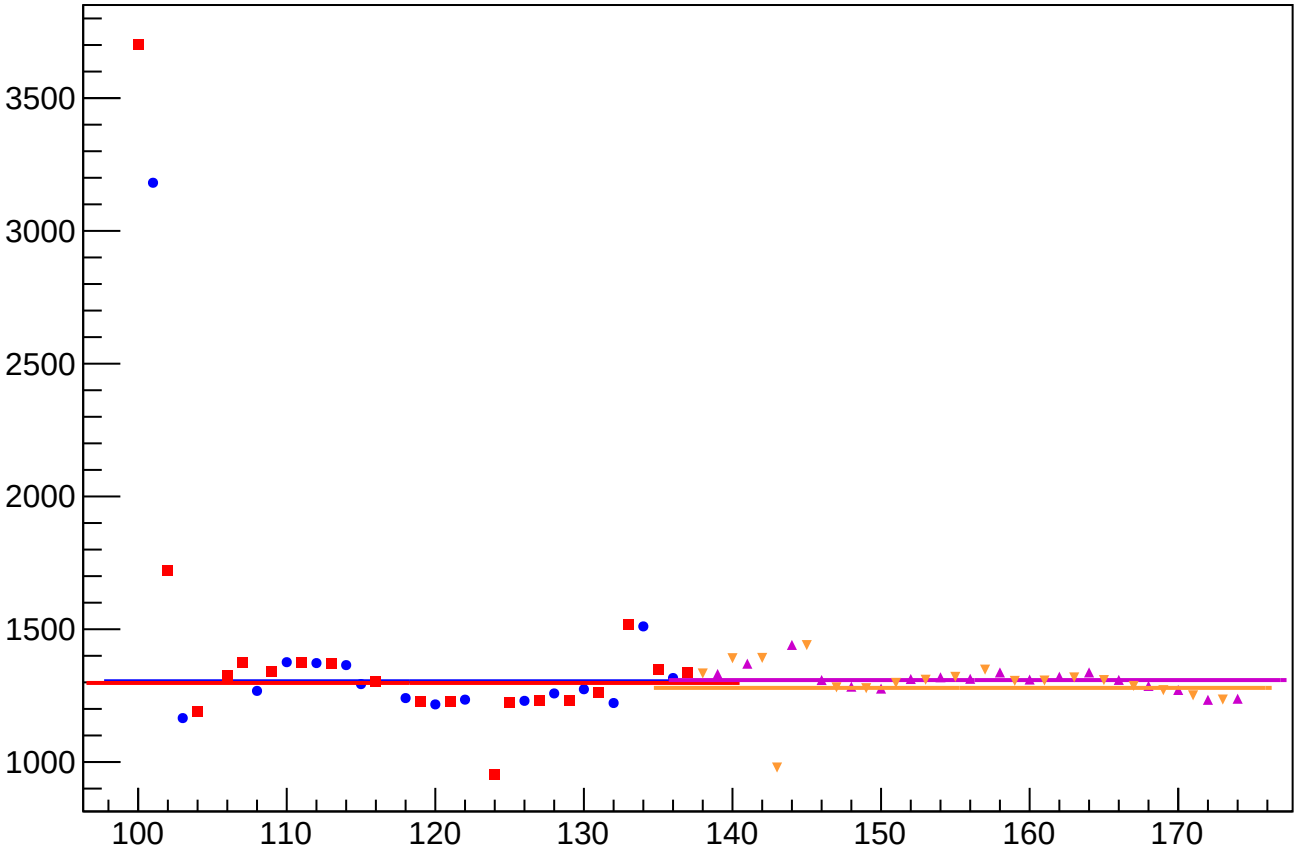
Left In: 647.407+/-339.439 χ^2/NDF:12.5/17

+ sign 319.021+/-275.061 χ^2/NDF: 56.5/34

All: 393.918+/-195.598 χ^2/NDF: 84.9/71

- 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: 1279.192+/-0.234 χ^2/NDF:206356.0/18

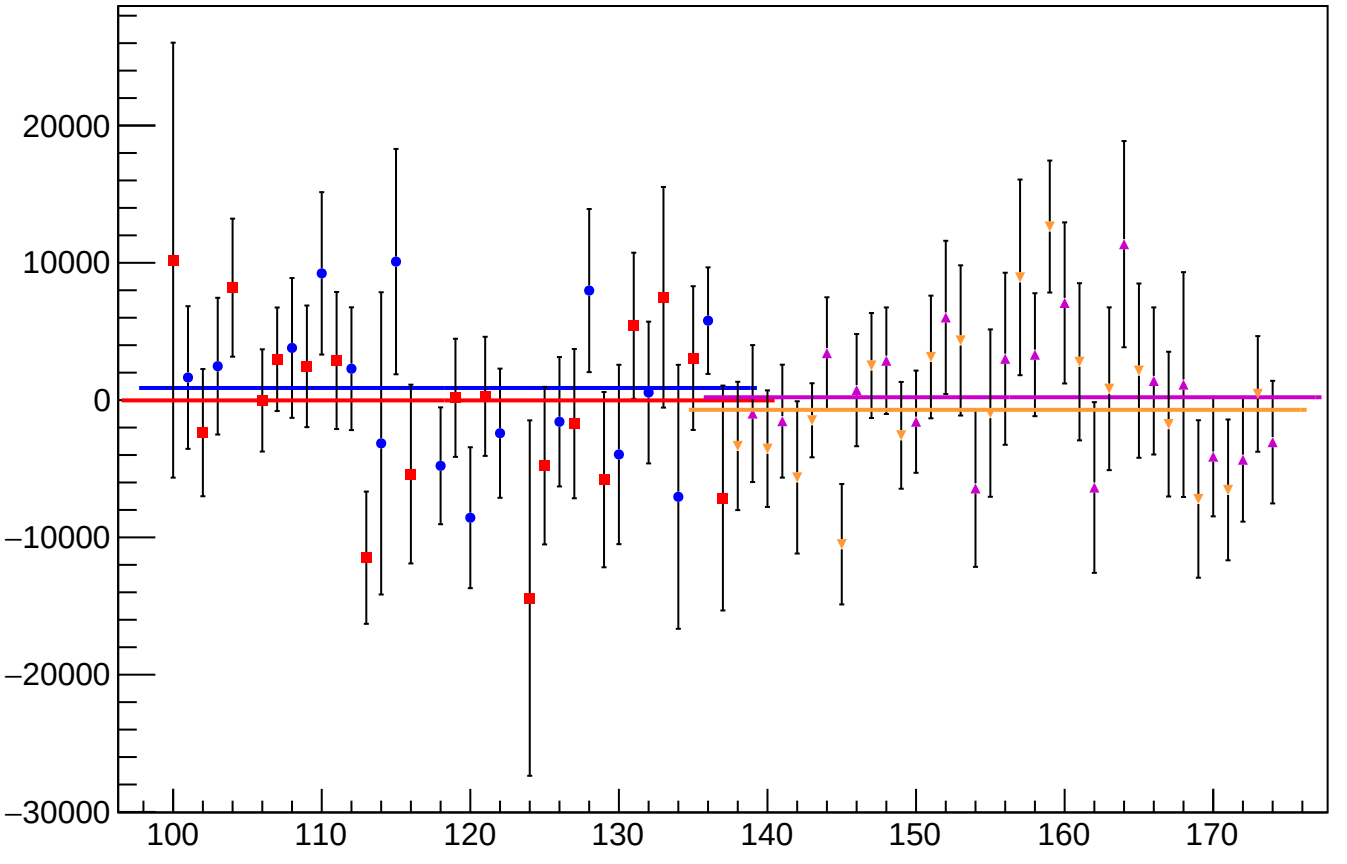
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1308.585+/-0.240 χ^2/NDF:35970.7/17

+ sign 1286.909+/-0.194 χ^2/NDF: 720453.0/34

All: 1295.874+/-0.138 χ^2/NDF: 974481.2/71

- 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: -708.288+/-1068.711 χ^2/NDF:22.0/18

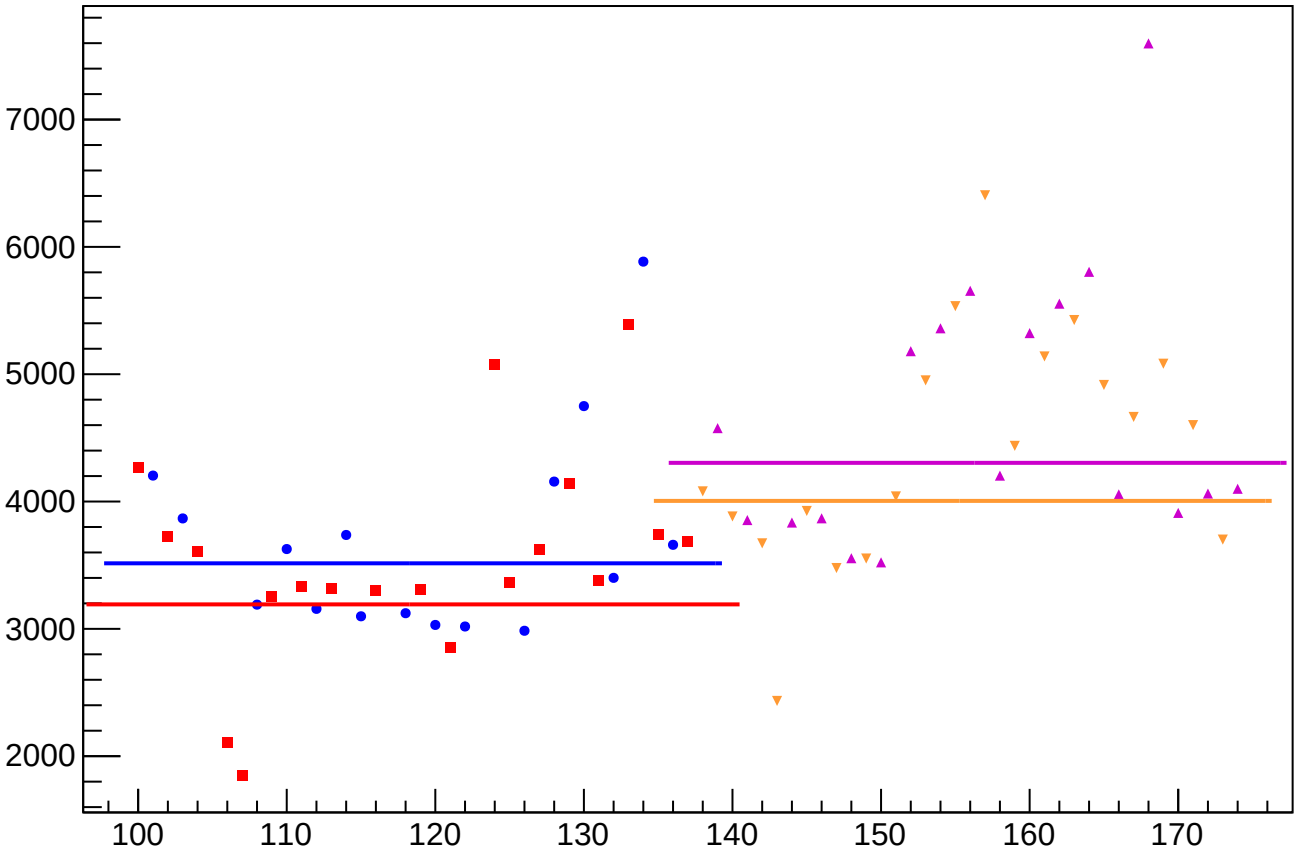
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 206.542+/-1139.189 χ^2/NDF:12.0/17

\+ sign -82.049+/-832.440 χ^2/NDF: 37.0/34

All: 9.075+/-586.403 χ^2/NDF: 65.9/71

\- 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: 4005.009+/-0.756 χ^2/NDF:1556290.4/18

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

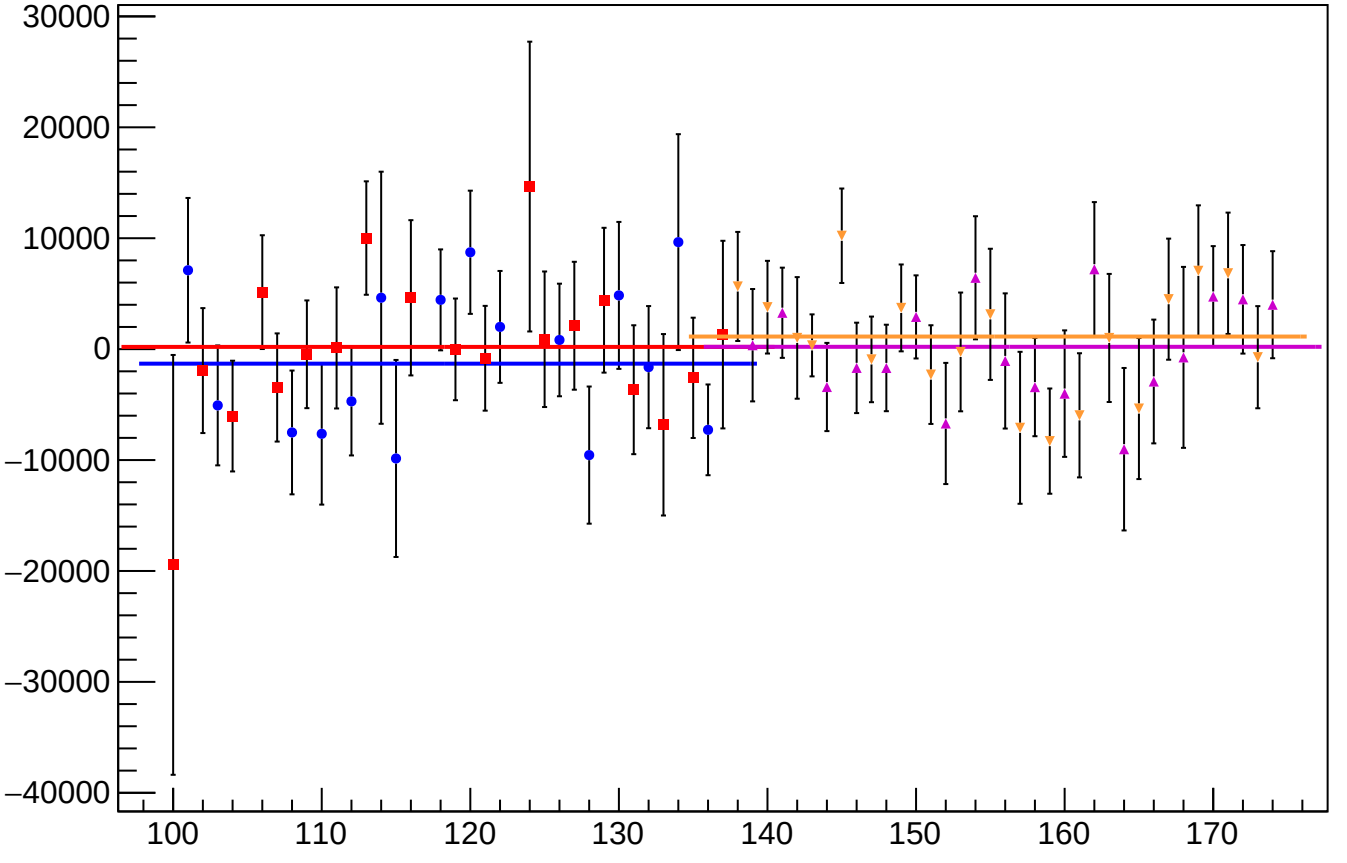
Left In: 4303.864+/-0.806 χ^2/NDF:1028474.8/17

+ sign 3812.193+/-0.589 χ^2/NDF: 2096908.5/34

All: 3794.421+/-0.415 χ^2/NDF: 4802470.1/71

- 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: 1135.281+/-1080.463 χ^2/NDF:18.1/18

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

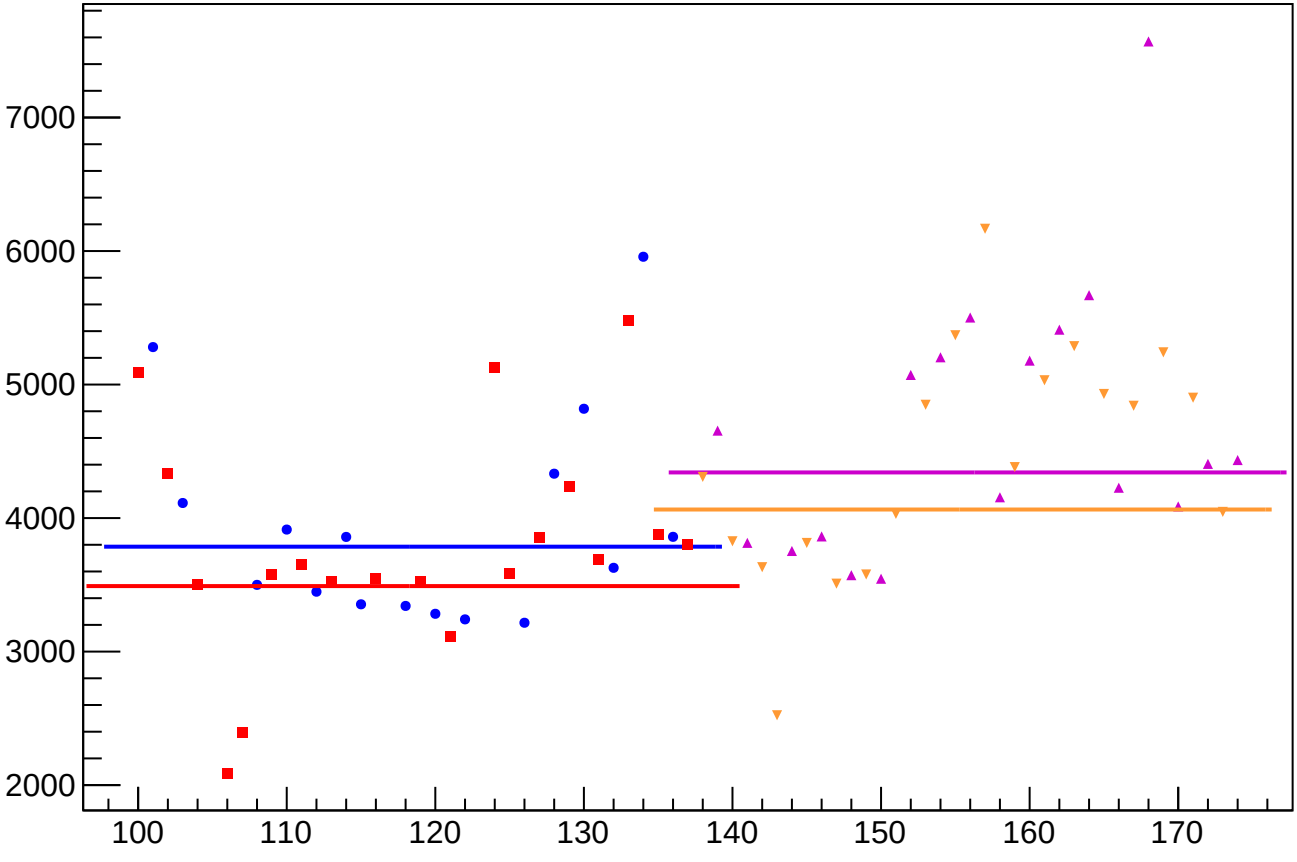
Left In: 210.269+/-1146.548 χ^2/NDF:12.1/17

\+ sign 248.148+/-862.416 χ^2/NDF: 37.5/34

All: 227.553+/-612.515 χ^2/NDF: 61.3/71

\- sign 206.589+/-870.089 χ^2/NDF: 23.8/36

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4064.112+/-0.764 χ^2/NDF:1402478.4/18

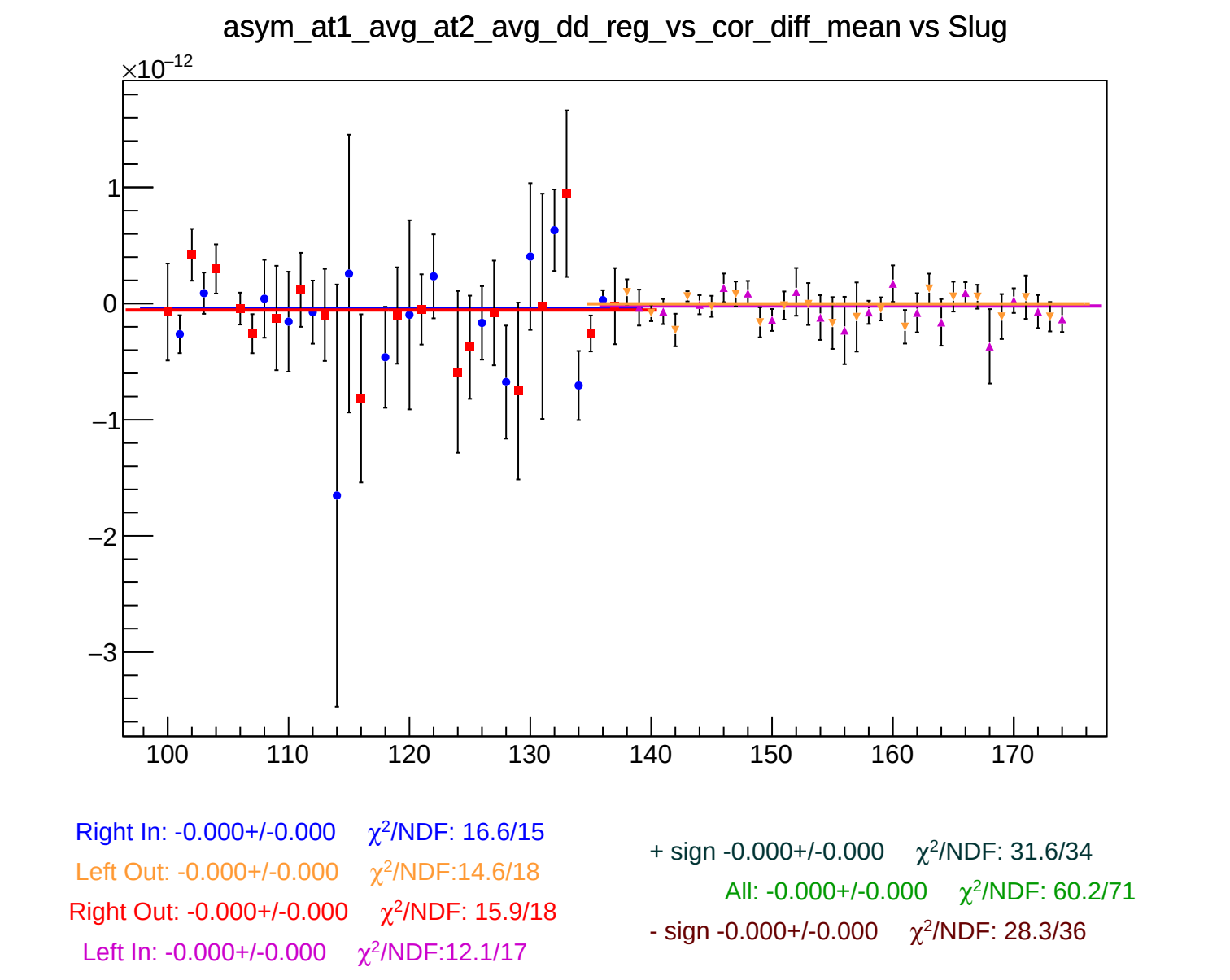
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

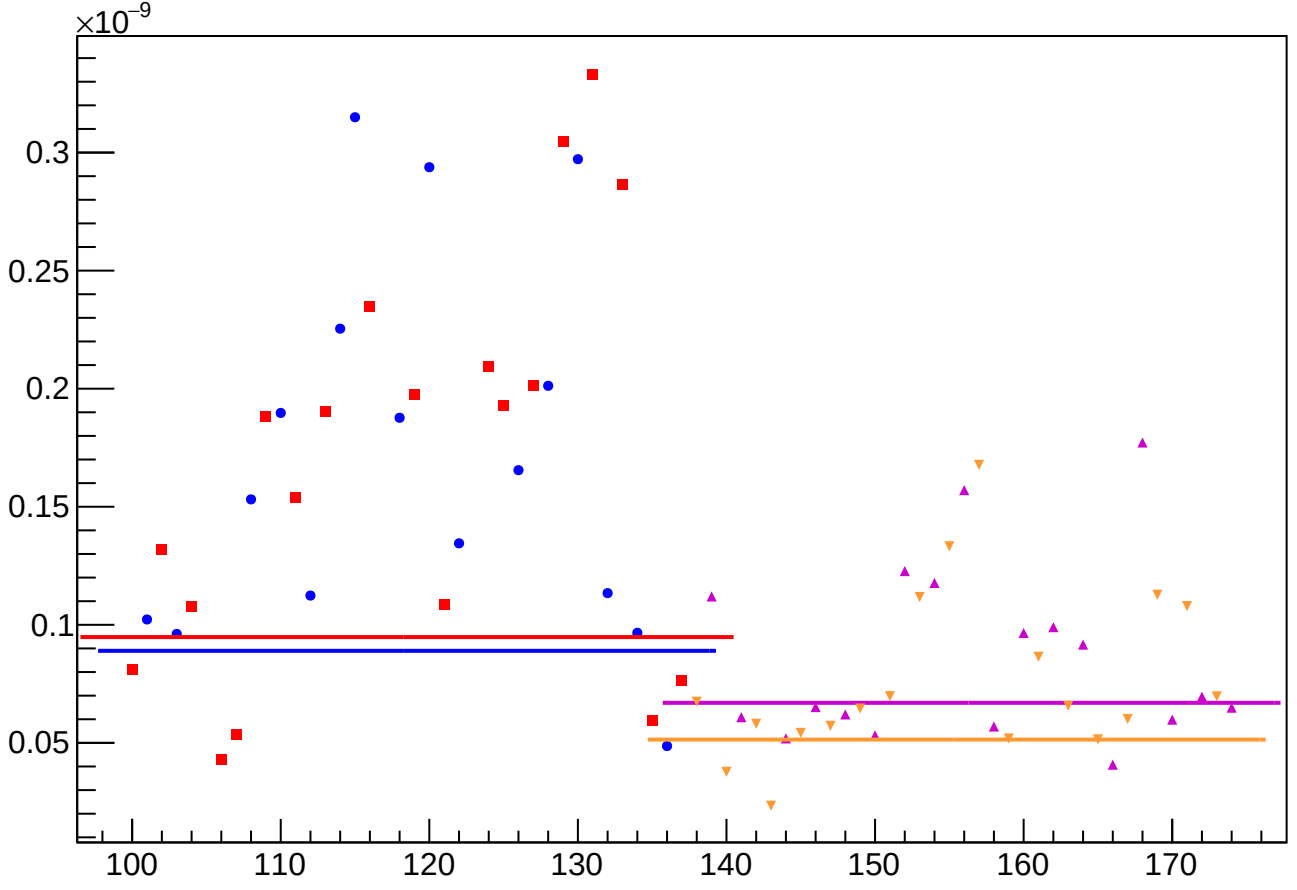
Left In: 4341.856+/-0.811 χ^2/NDF:933474.2/17

\+ sign 3963.104+/-0.610 χ^2/NDF: 1833636.8/34

All: 3969.094+/-0.432 χ^2/NDF: 3828974.0/71

\- sign 3975.120+/-0.612 χ^2/NDF: 1995143.6/36


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:14.6/18
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: 31.6/34
All: -0.000+/-0.000 χ²/NDF: 60.2/71
- 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:2392370.8/18

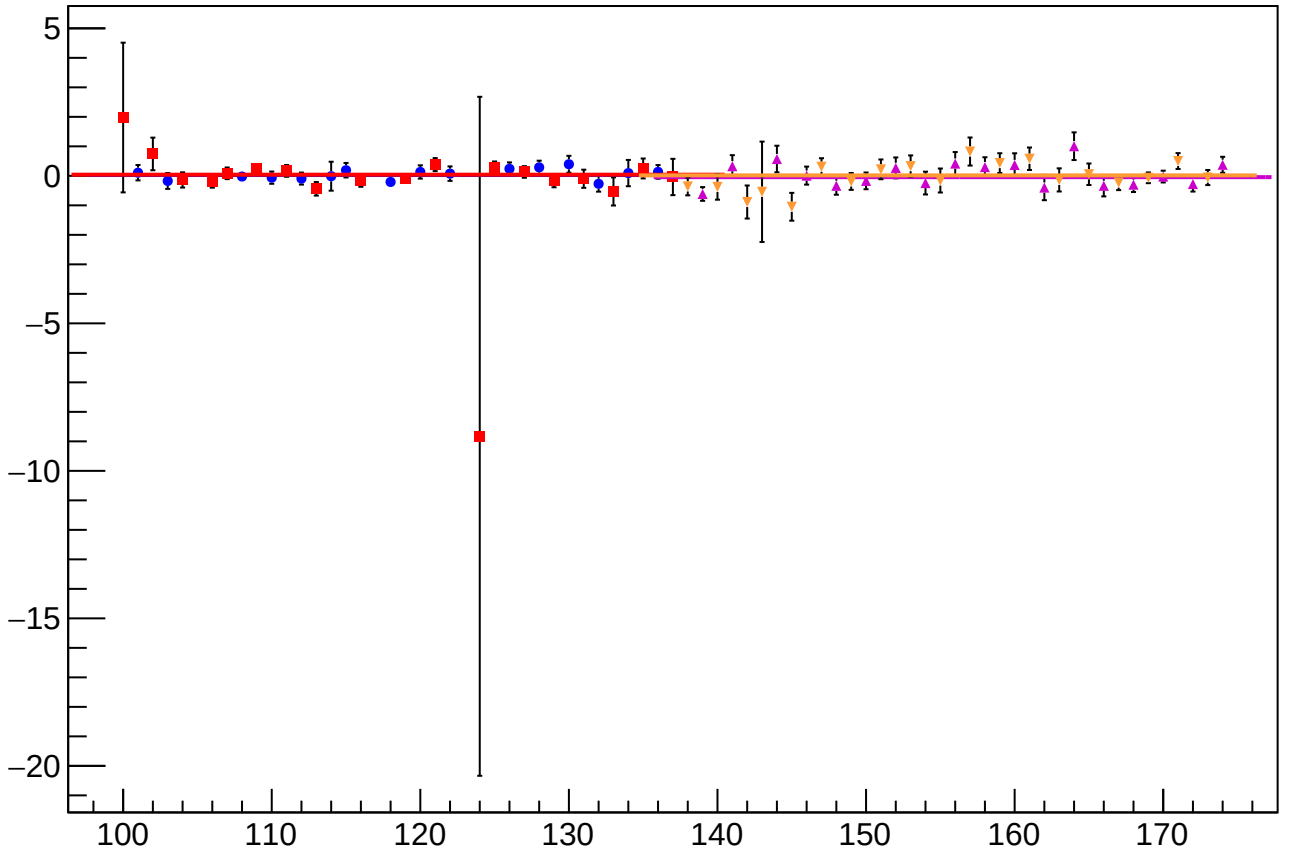
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1375901.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 4549650.7/34

All: 0.000+/-0.000 χ^2/NDF: 8349189.5/71

- 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: 0.016+/-0.075 χ^2/NDF:24.2/18

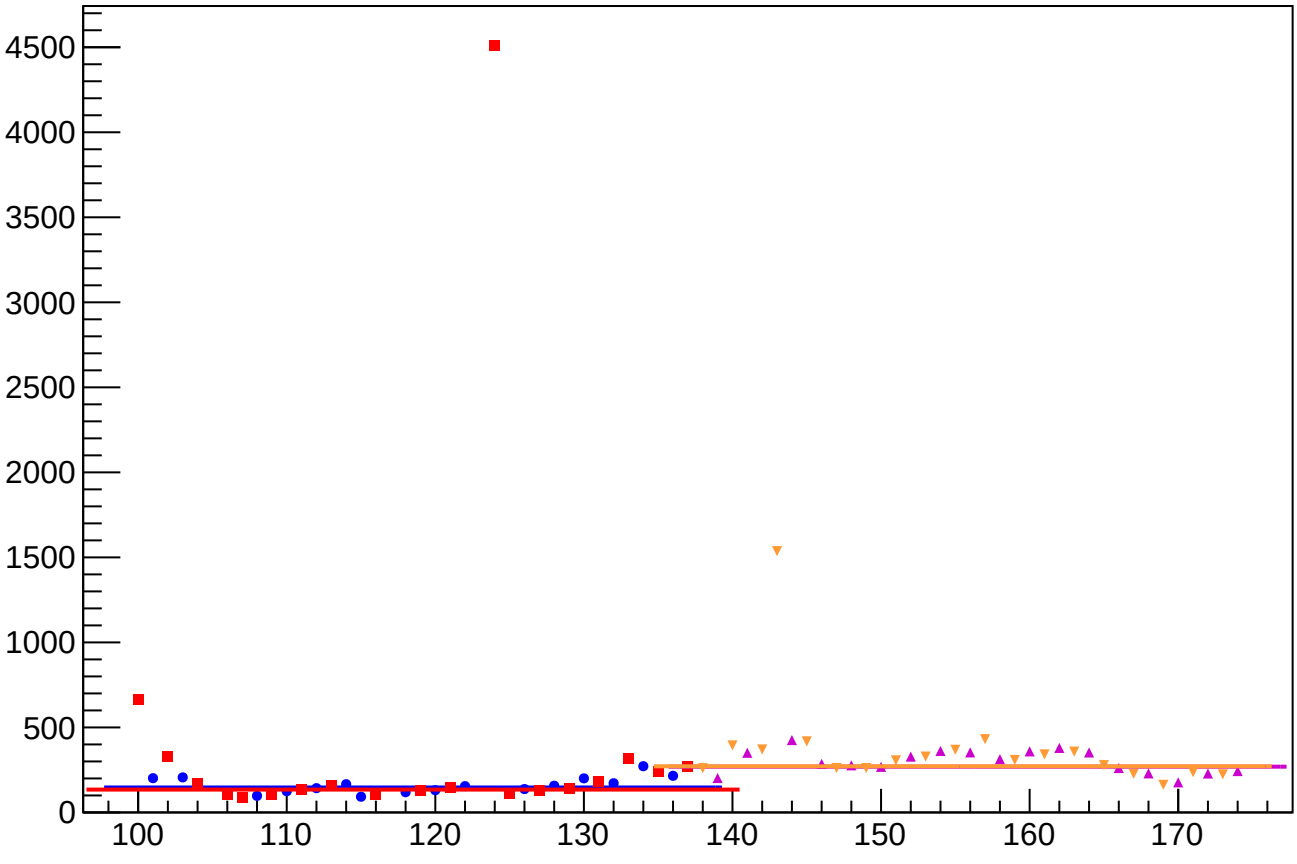
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.024+/-0.046 χ^2/NDF: 33.7/34

All: 0.016+/-0.032 χ^2/NDF: 79.8/71

- 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: 271.419+/-0.053 χ^2/NDF:3010380.1/18

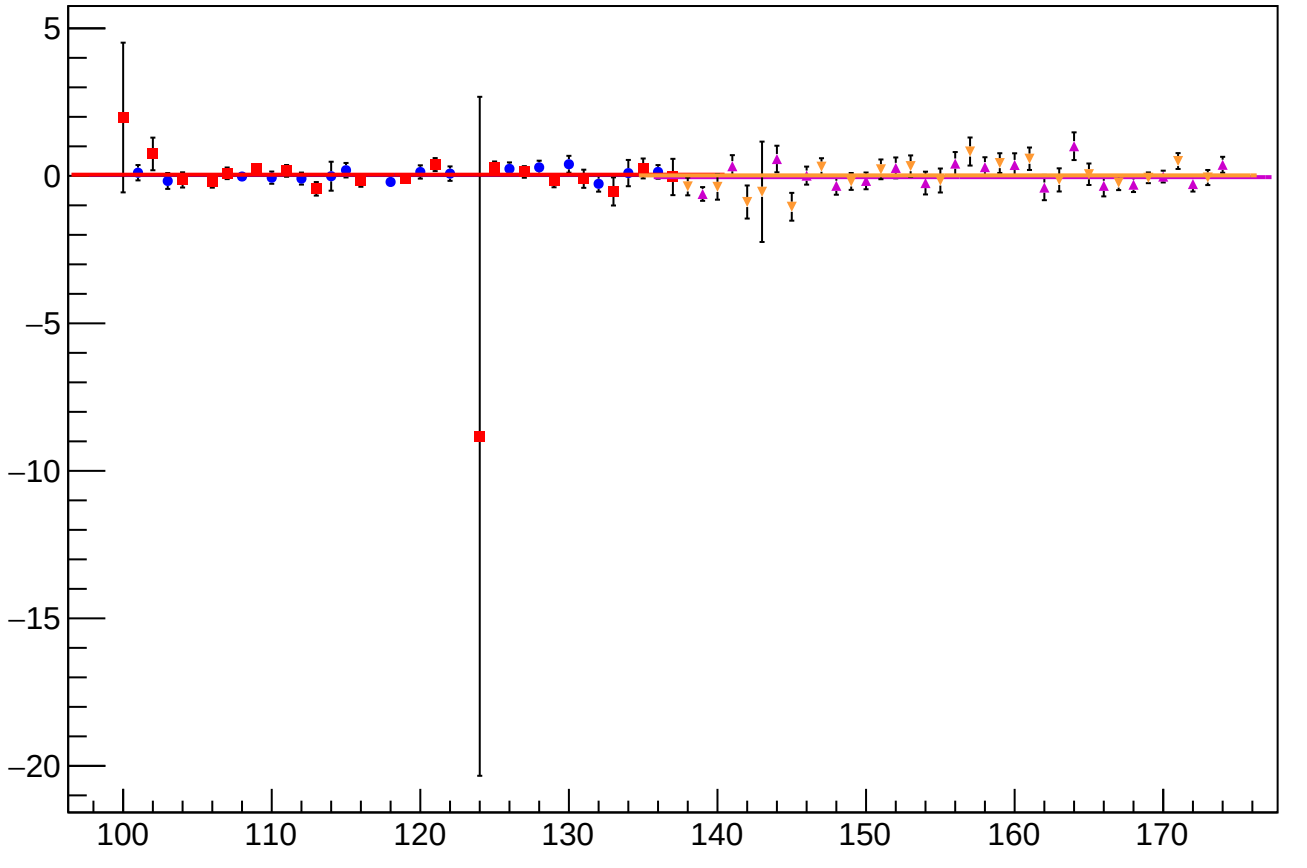
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

+ sign 193.513+/-0.032 χ^2/NDF: 7502838.2/34

All: 188.160+/-0.022 χ^2/NDF: 15185133.5/71

- 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: 0.016+/-0.075 χ^2/NDF:24.2/18

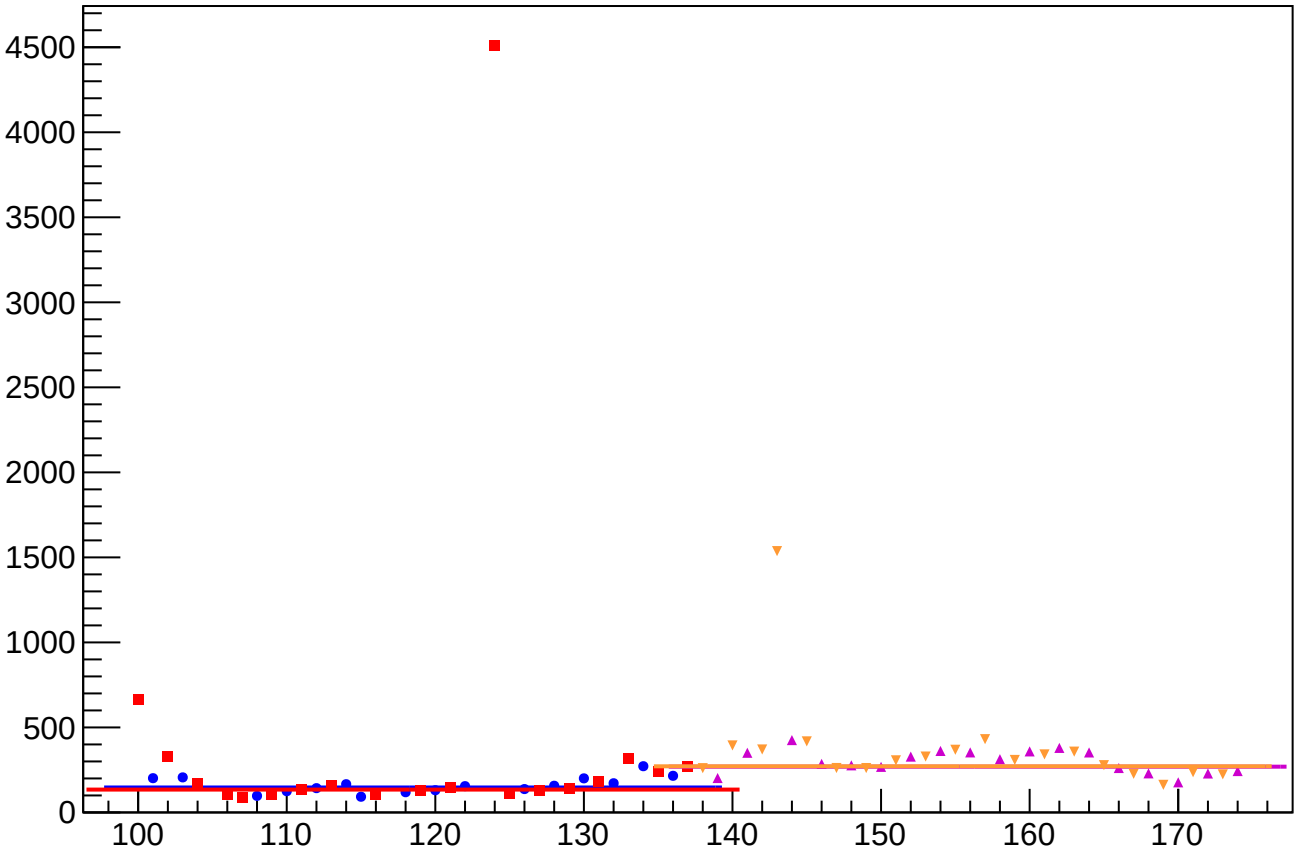
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.024+/-0.046 χ^2/NDF: 33.7/34

All: 0.016+/-0.032 χ^2/NDF: 79.8/71

- 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: 271.419+/-0.053 χ^2/NDF:3010380.1/18

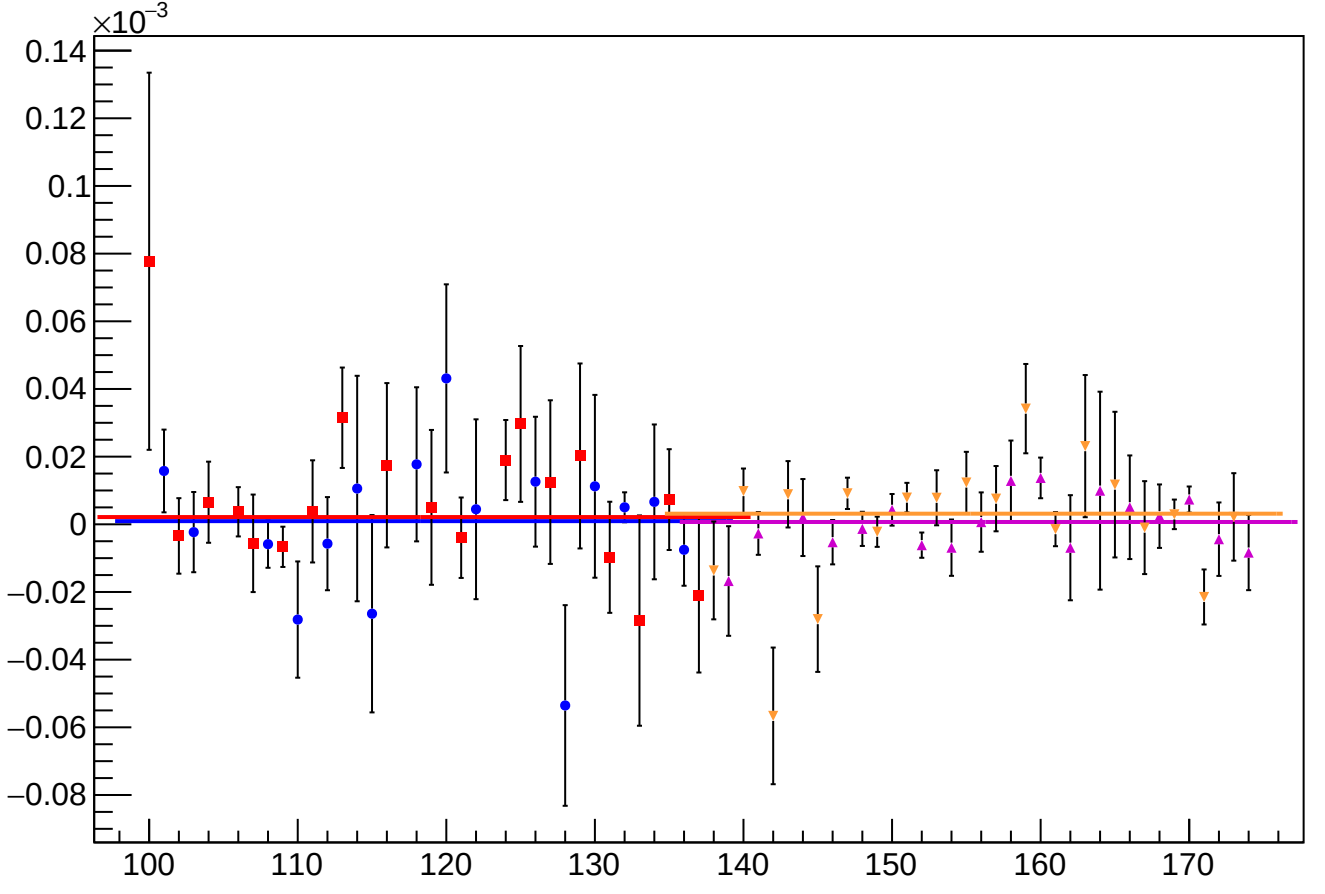
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

+ sign 193.513+/-0.032 χ^2/NDF: 7502838.2/34

All: 188.160+/-0.022 χ^2/NDF: 15185133.5/71

- 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:38.0/18

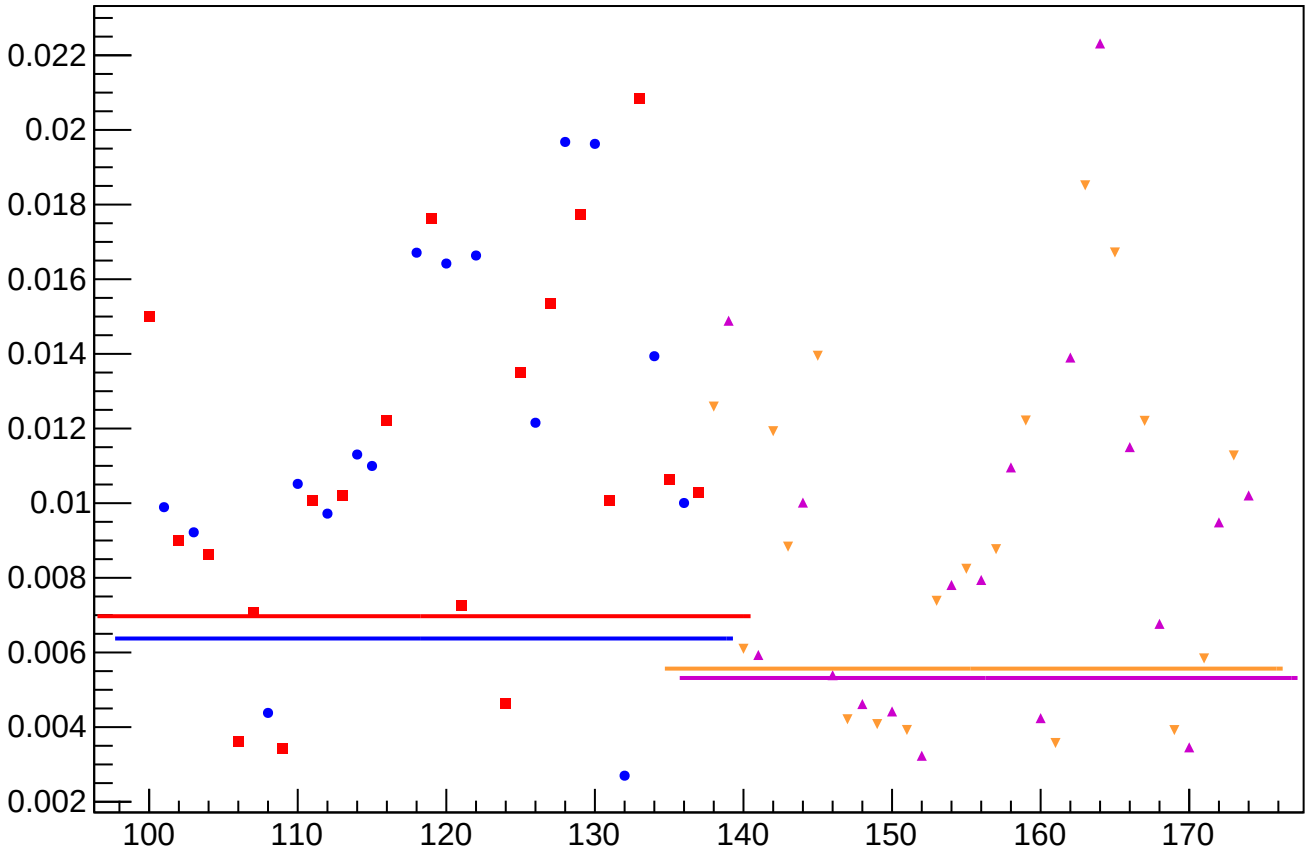
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 53.3/34

All: 0.000+/-0.000 χ^2/NDF: 87.4/71

- 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:5913832.2/18

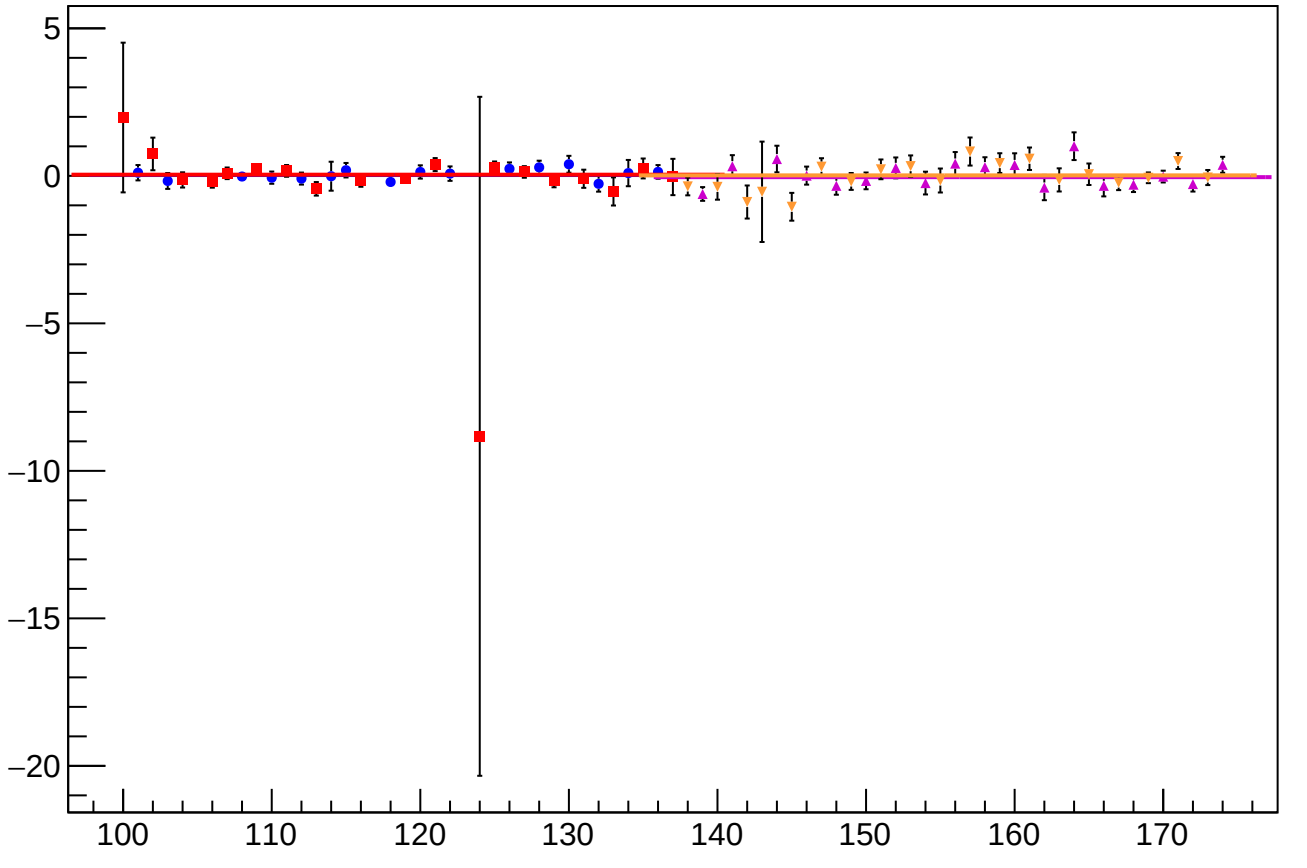
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5474521.5/17

+ sign 0.006+/-0.000 χ^2/NDF: 10668309.7/34

All: 0.006+/-0.000 χ^2/NDF: 20024617.4/71

- sign 0.006+/-0.000 χ^2/NDF: 9353227.0/36



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.016+/-0.075 χ^2/NDF:24.2/18

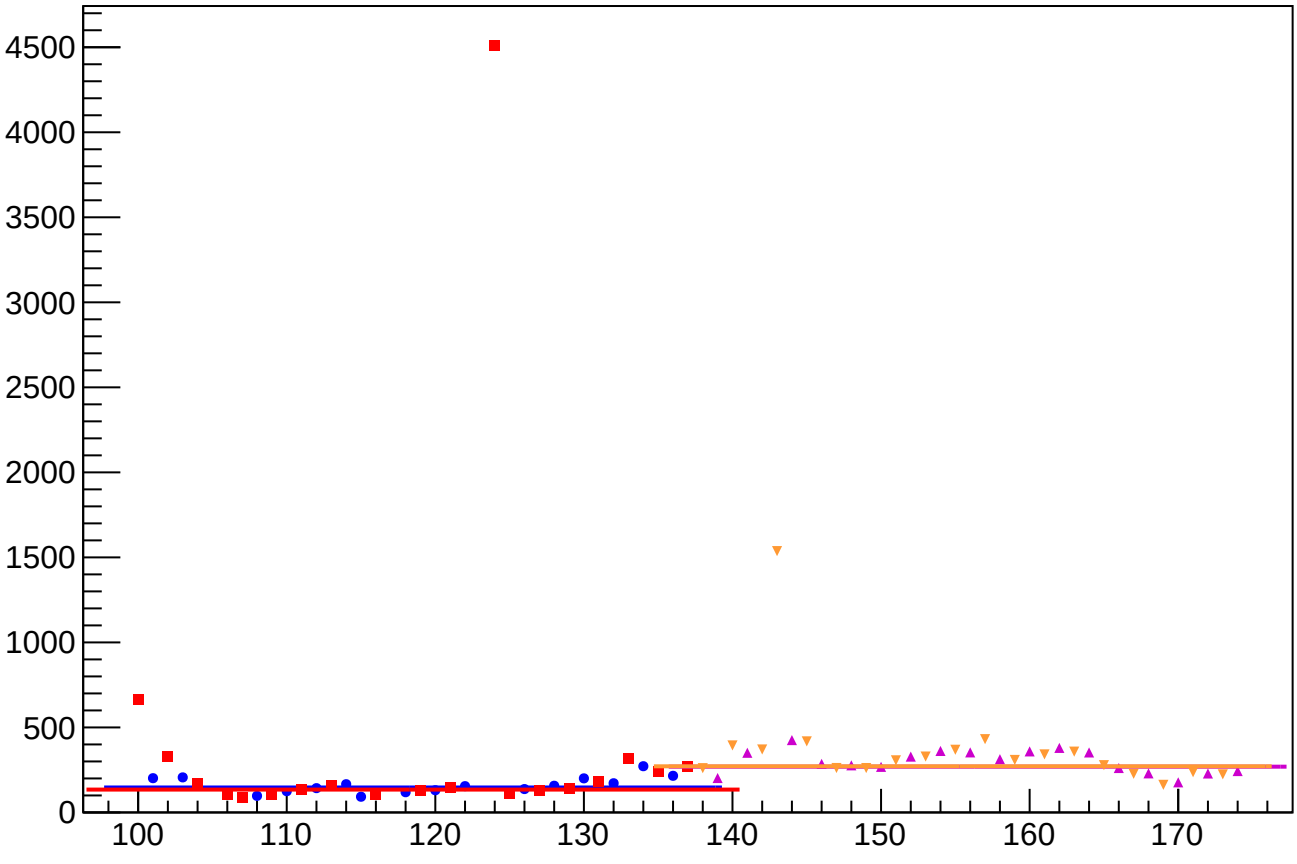
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.024+/-0.046 χ^2/NDF: 33.7/34

All: 0.016+/-0.032 χ^2/NDF: 79.8/71

- 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: 271.419+/-0.053 χ^2/NDF:3010520.3/18

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

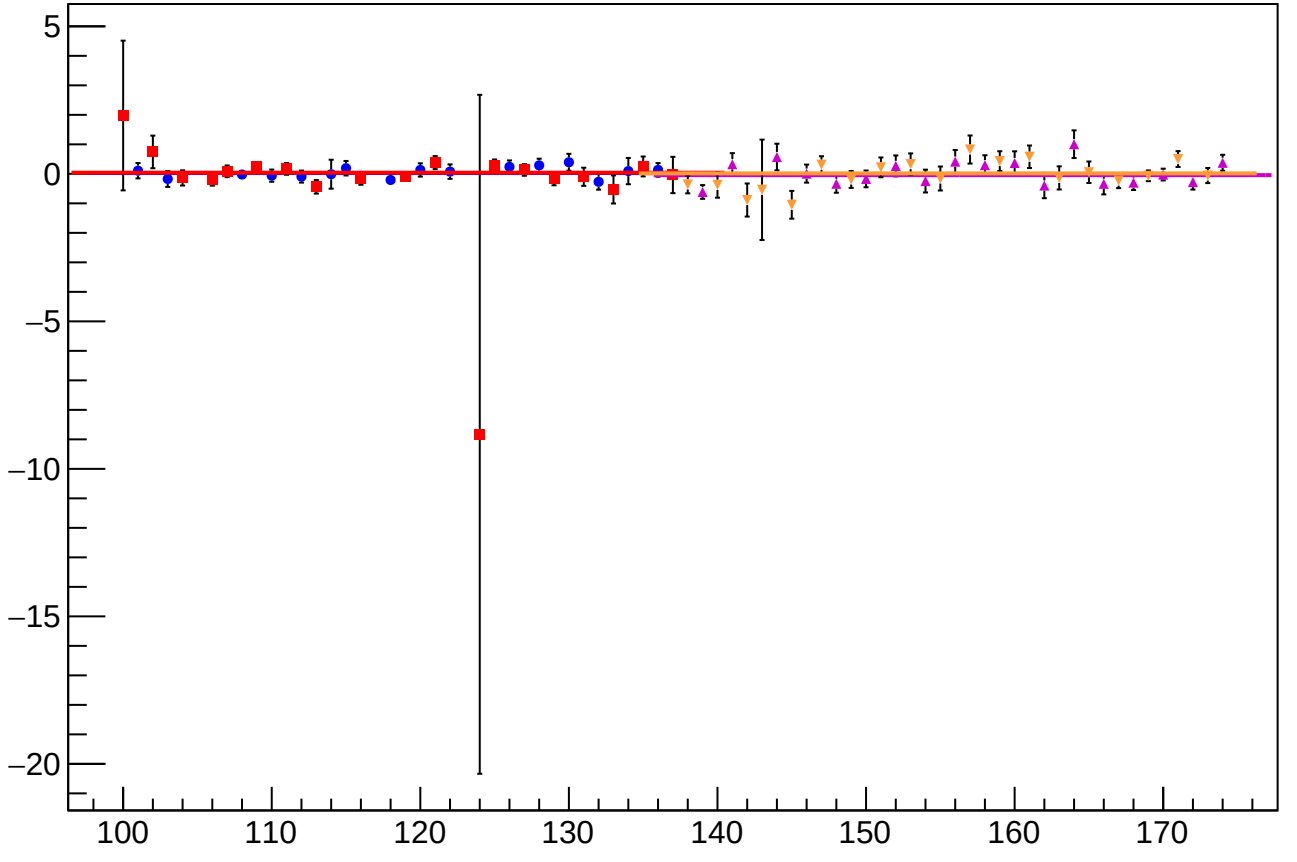
Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

+ sign 193.513+/-0.032 χ^2/NDF: 7502921.5/34

All: 188.160+/-0.022 χ^2/NDF: 15185143.9/71

- 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: 0.016+/-0.075 χ^2/NDF:24.2/18

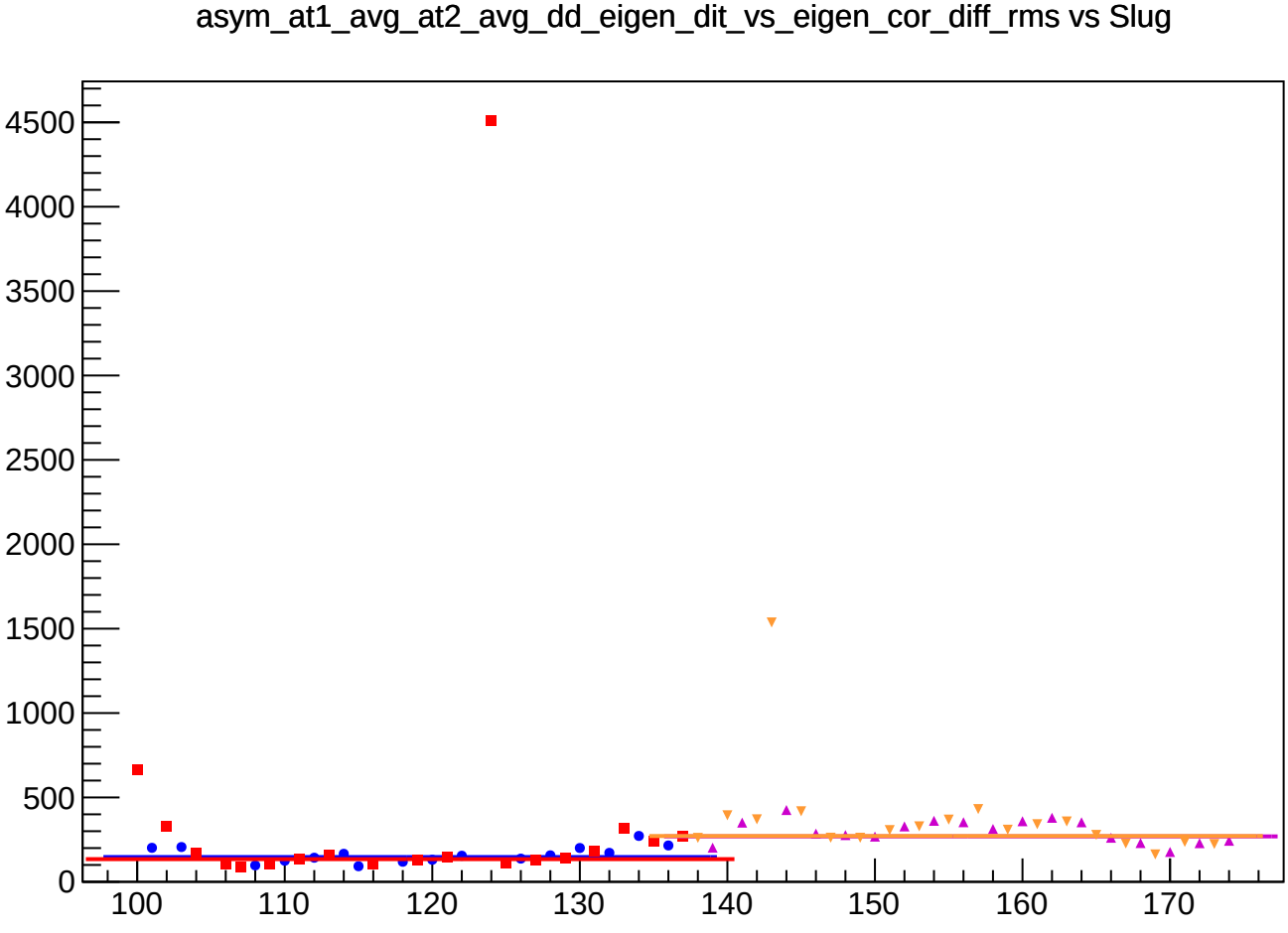
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.024+/-0.046 χ^2/NDF: 33.7/34

All: 0.016+/-0.032 χ^2/NDF: 79.8/71

- 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: 271.419+/-0.053 χ^2/NDF:3010520.3/18

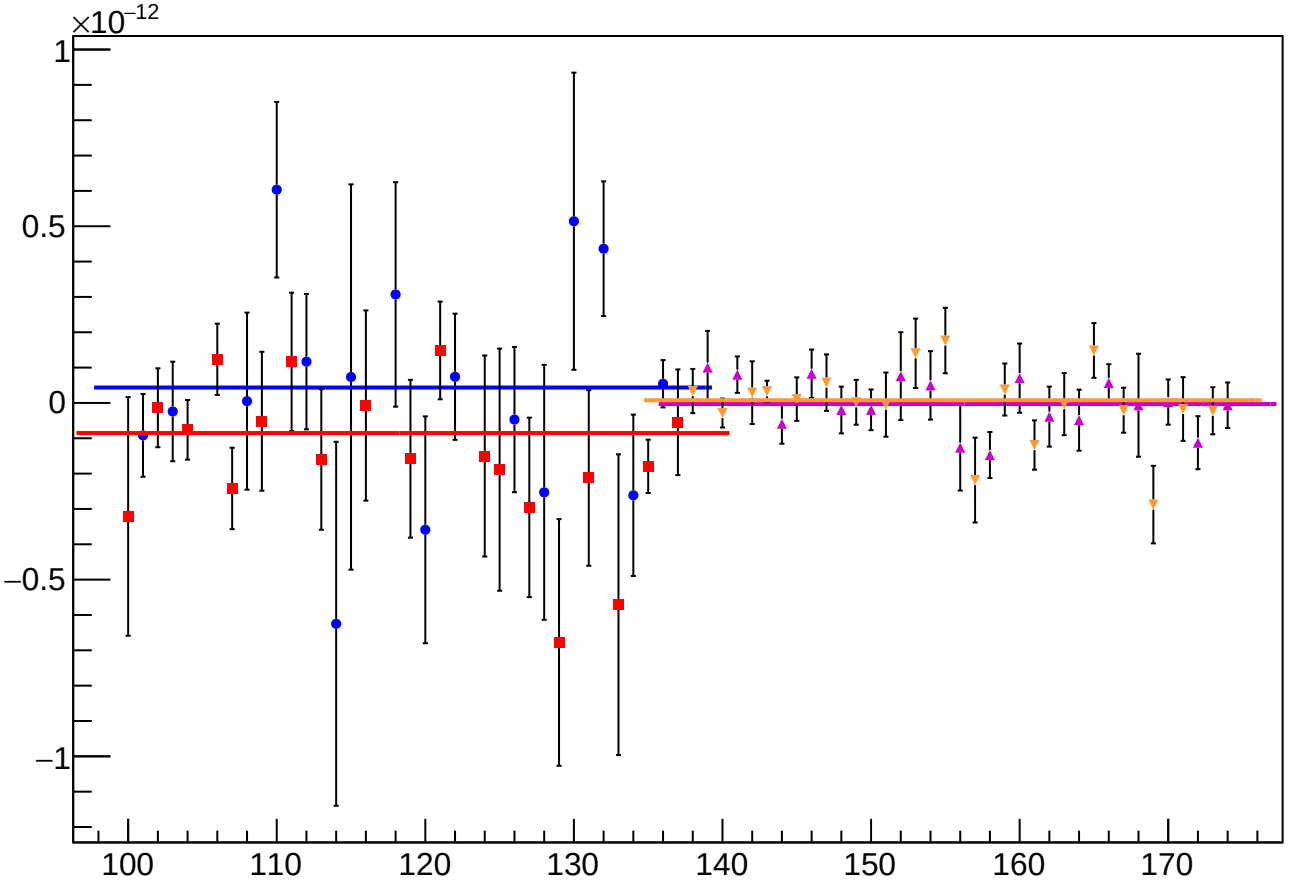
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

+ sign 193.513+/-0.032 χ^2/NDF: 7502921.5/34

All: 188.160+/-0.022 χ^2/NDF: 15185143.9/71

- 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:25.4/18

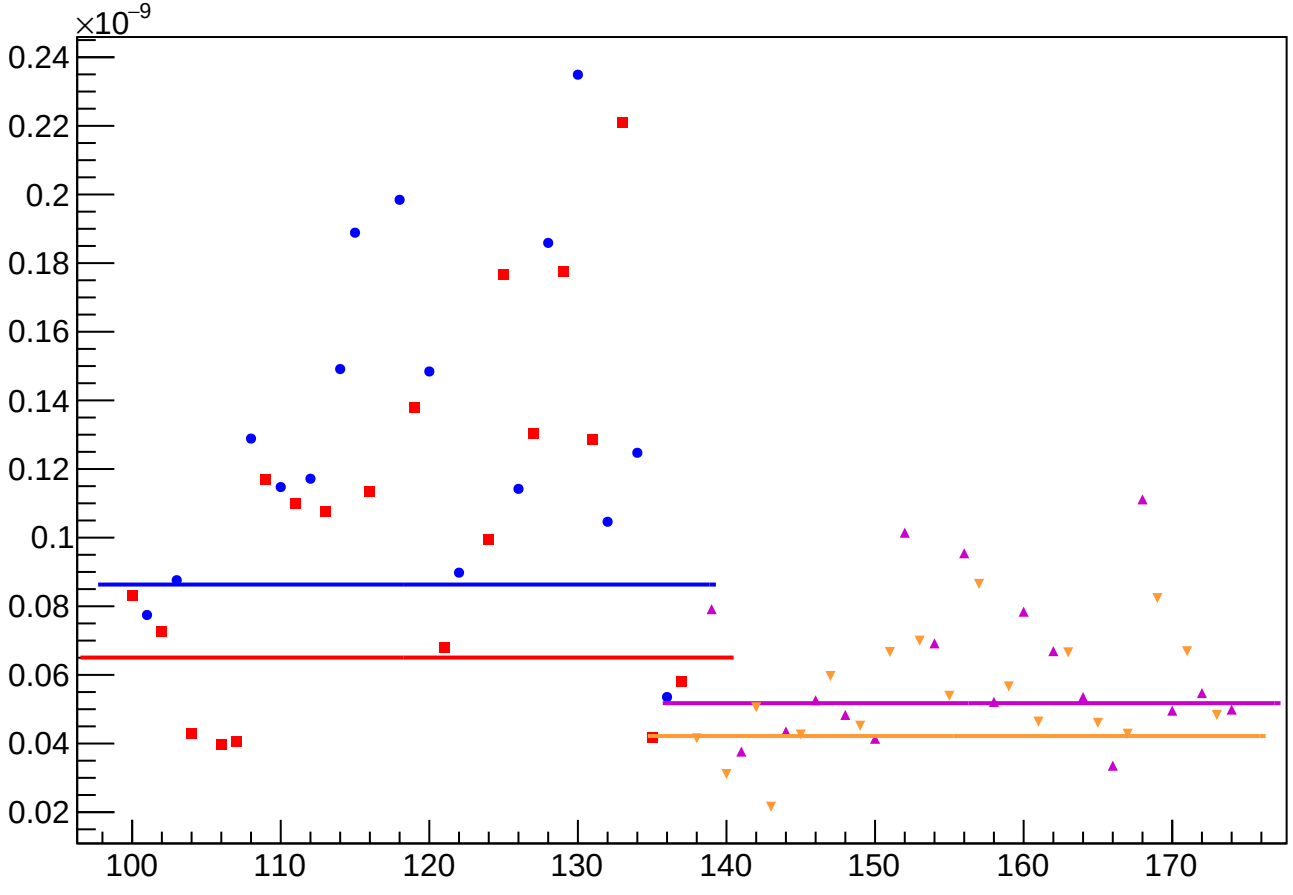
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 45.0/34

All: -0.000+/-0.000 χ^2/NDF: 87.4/71

- 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:2520796.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

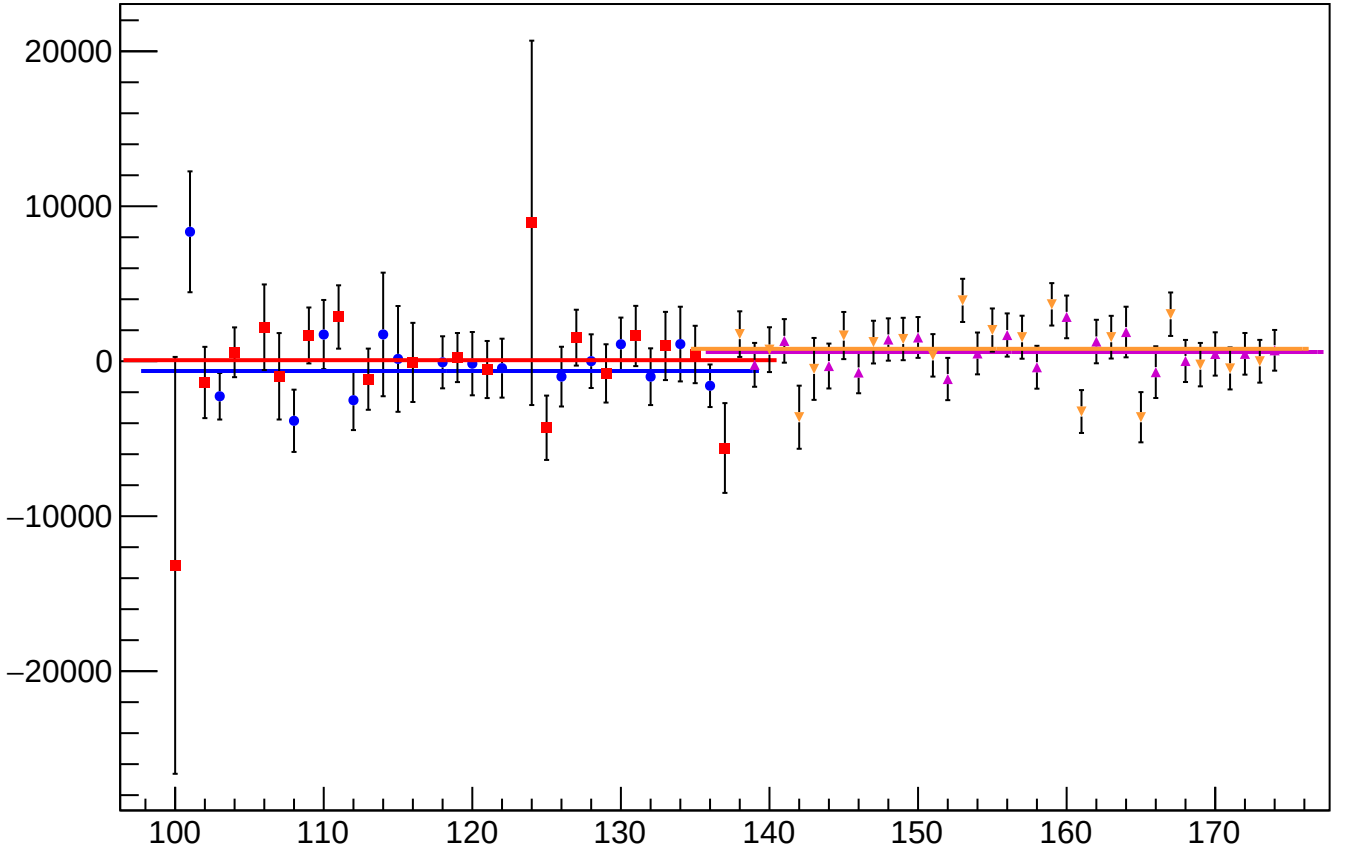
Left In: 0.000+/-0.000 χ^2/NDF:1834286.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 5992059.0/34

All: 0.000+/-0.000 χ^2/NDF: 10488774.5/71

- 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: 800.105+/-332.268 χ^2/NDF:37.3/18

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

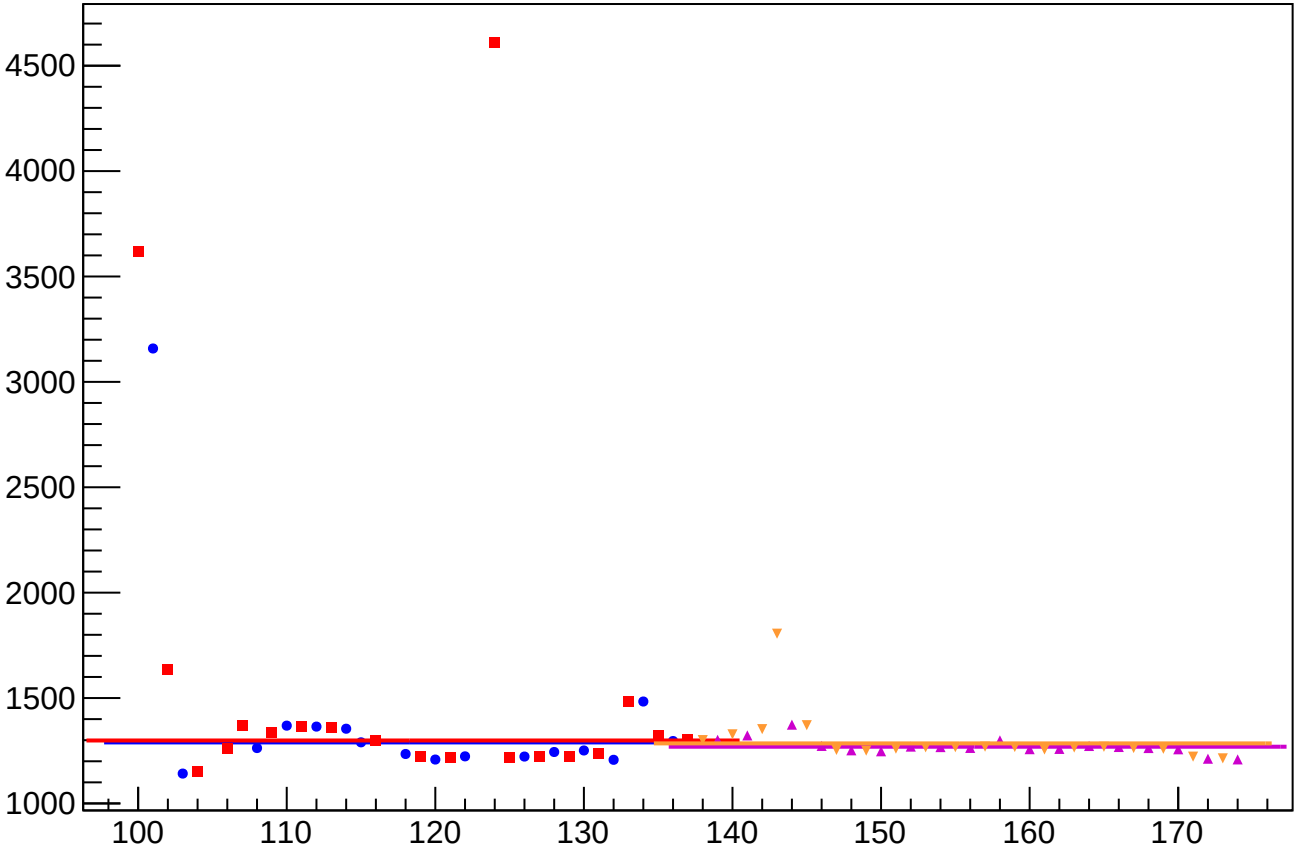
Left In: 594.396+/-329.096 χ^2/NDF:10.0/17

\+ sign 347.630+/-274.767 χ^2/NDF: 57.1/34

All: 388.915+/-193.593 χ^2/NDF: 83.7/71

\- 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: 1284.835+/-0.235 χ^2/NDF:162767.3/18

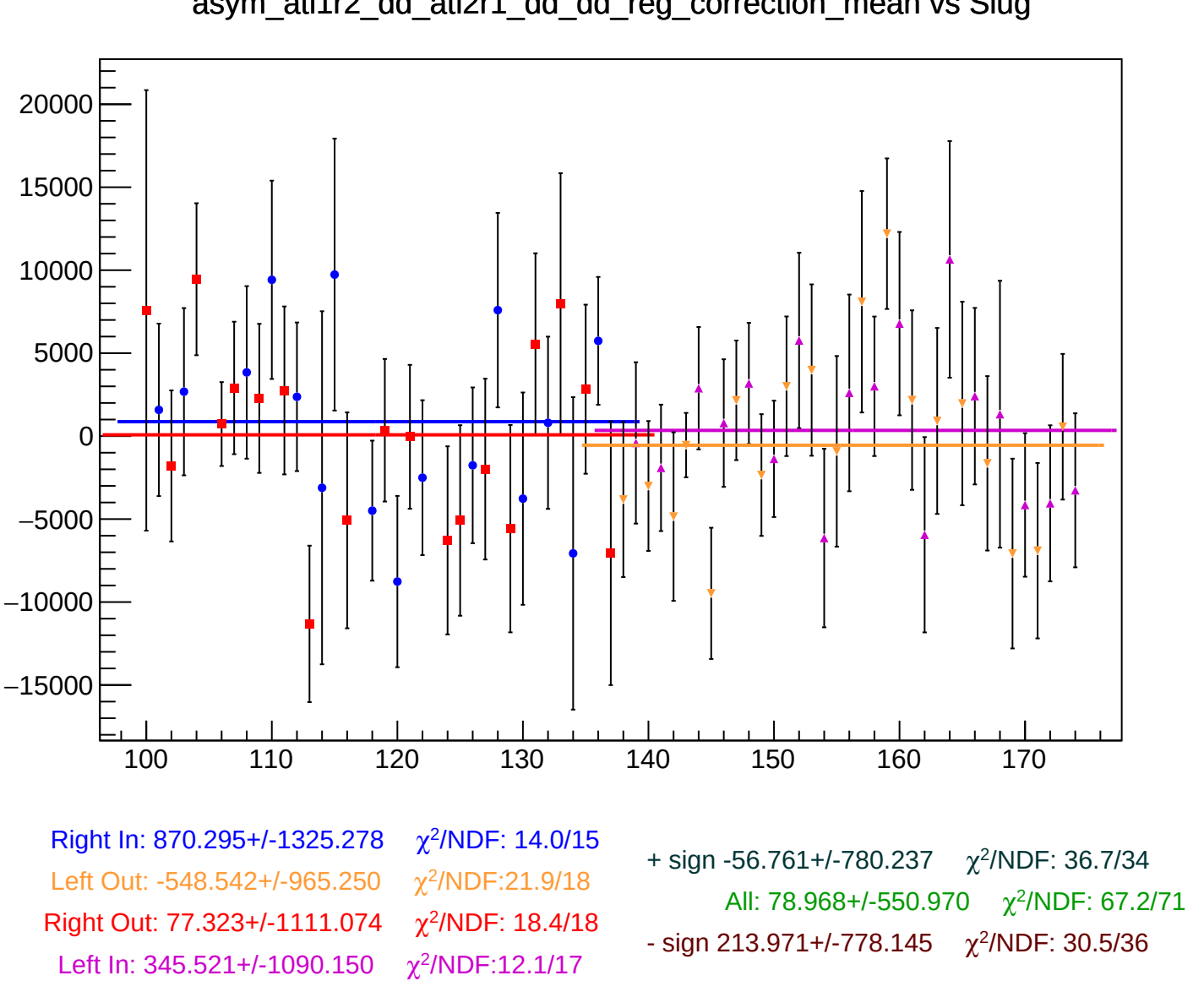
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

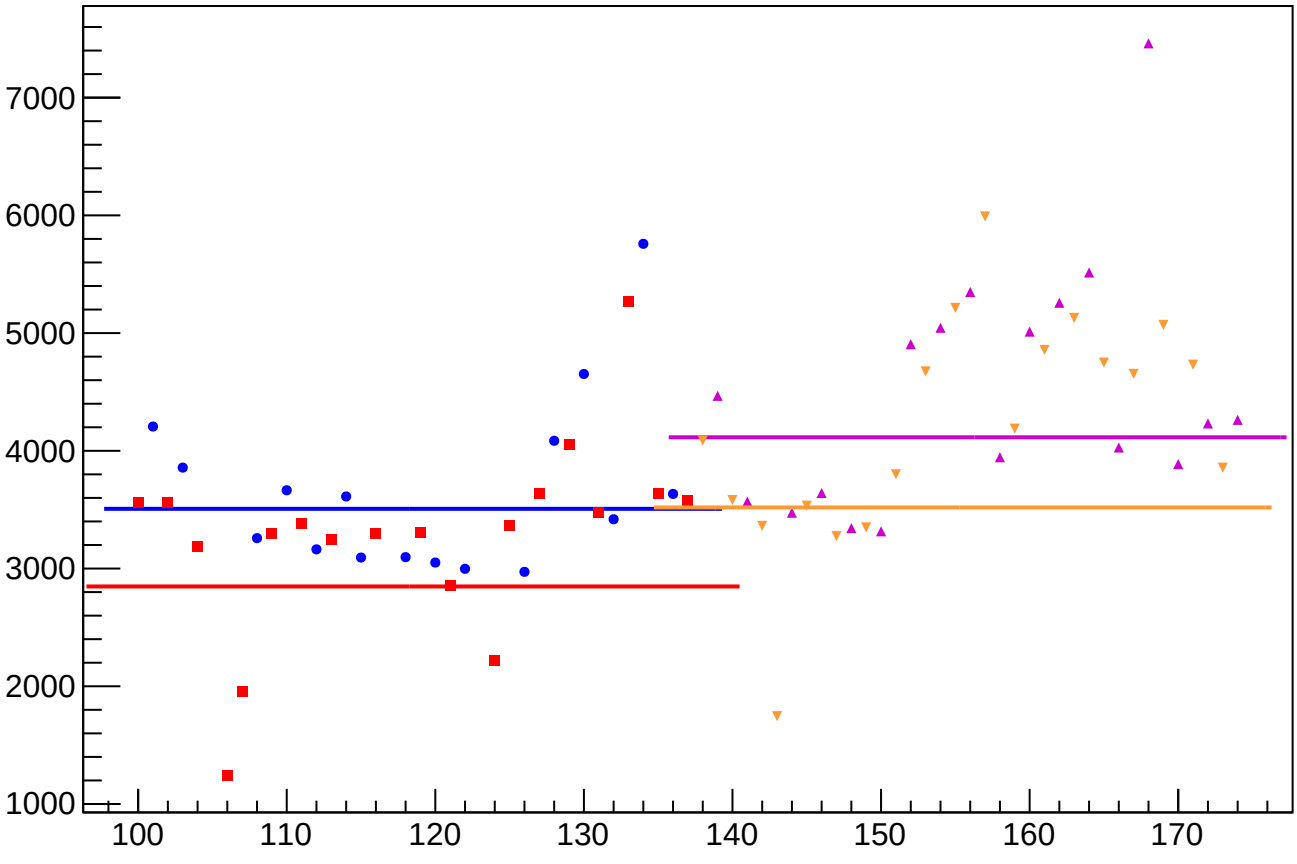
Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1286.299+/-0.194 χ^2/NDF: 677565.2/34

All: 1282.292+/-0.137 χ^2/NDF: 1027375.6/71

- sign 1278.348+/-0.193 χ^2/NDF: 348966.3/36


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -548.542+/-965.250 χ²/NDF:21.9/18
Right Out: 77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 345.521+/-1090.150 χ²/NDF:12.1/17
+ sign -56.761+/-780.237 χ²/NDF: 36.7/34
All: 78.968+/-550.970 χ²/NDF: 67.2/71
- sign 213.971+/-778.145 χ²/NDF: 30.5/36



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3519.157+/-0.683 χ^2/NDF:3043118.6/18

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

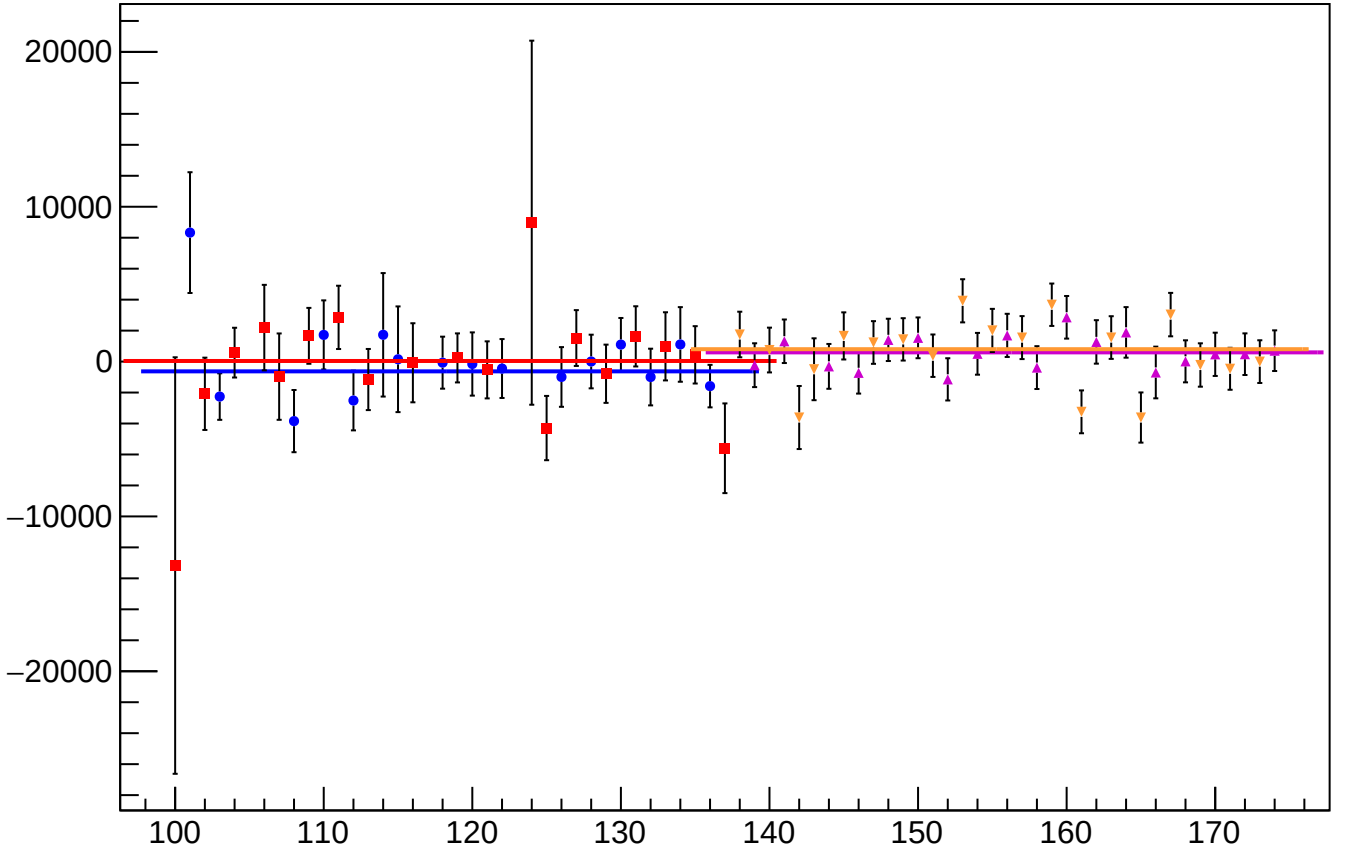
Left In: 4114.916+/-0.771 χ^2/NDF:1090708.1/17

+ sign 3515.081+/-0.552 χ^2/NDF: 3397200.6/34

All: 3504.220+/-0.390 χ^2/NDF: 7313320.5/71

- 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: 800.137+/-332.268 χ^2/NDF:37.3/18

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

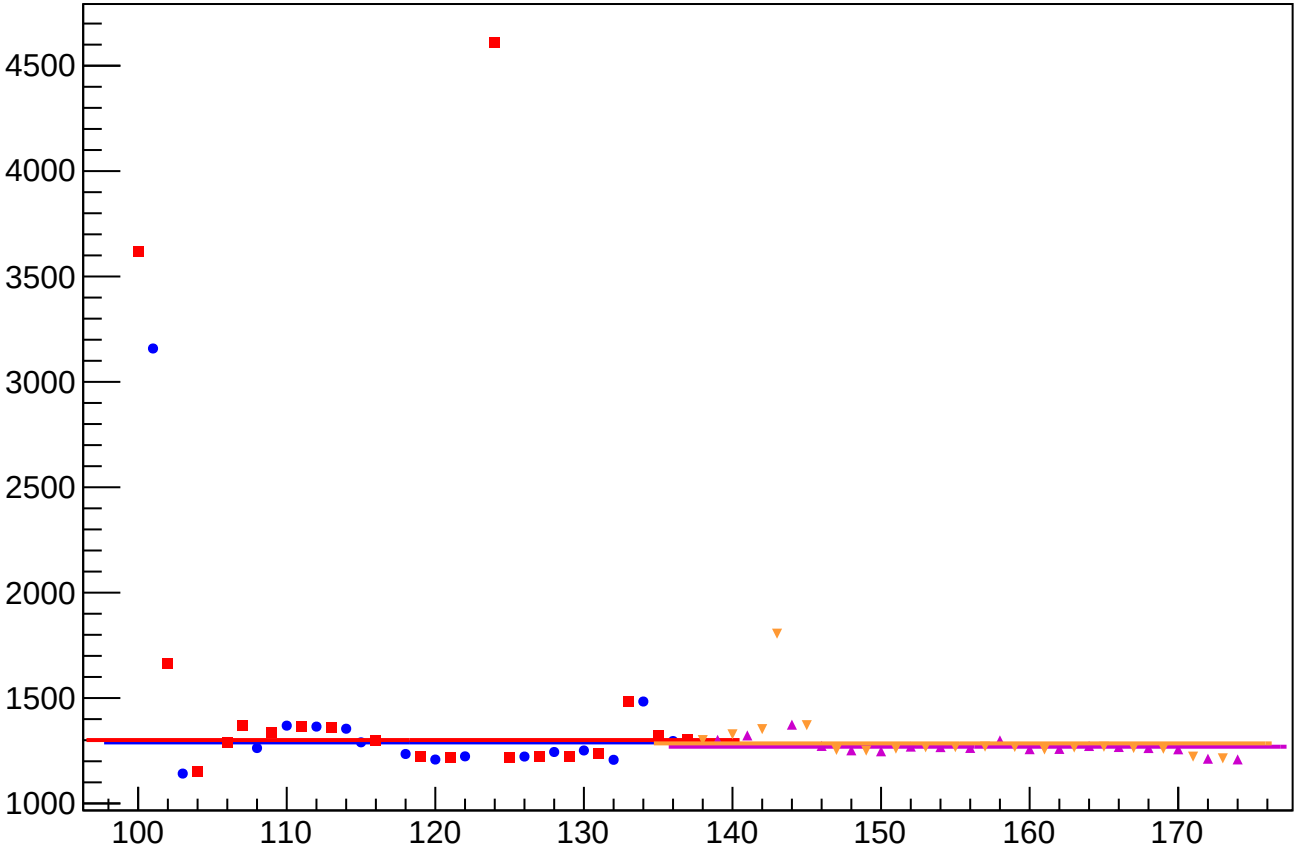
Left In: 594.340+/-329.096 χ^2/NDF:10.0/17

\+ sign 347.530+/-274.767 χ^2/NDF: 57.0/34

All: 384.348+/-193.613 χ^2/NDF: 84.2/71

\- 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: 1284.835+/-0.235 χ^2/NDF:162767.3/18

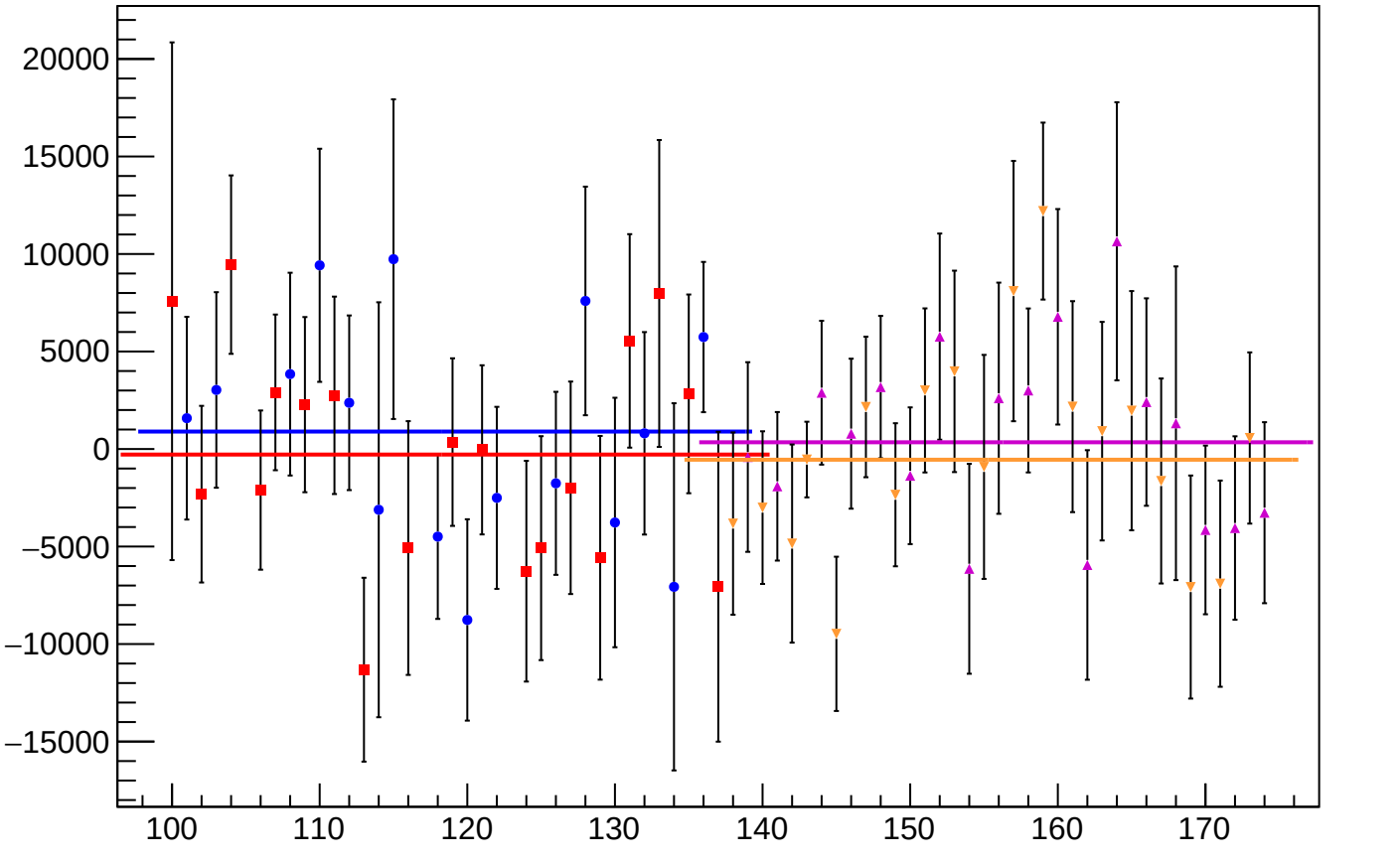
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

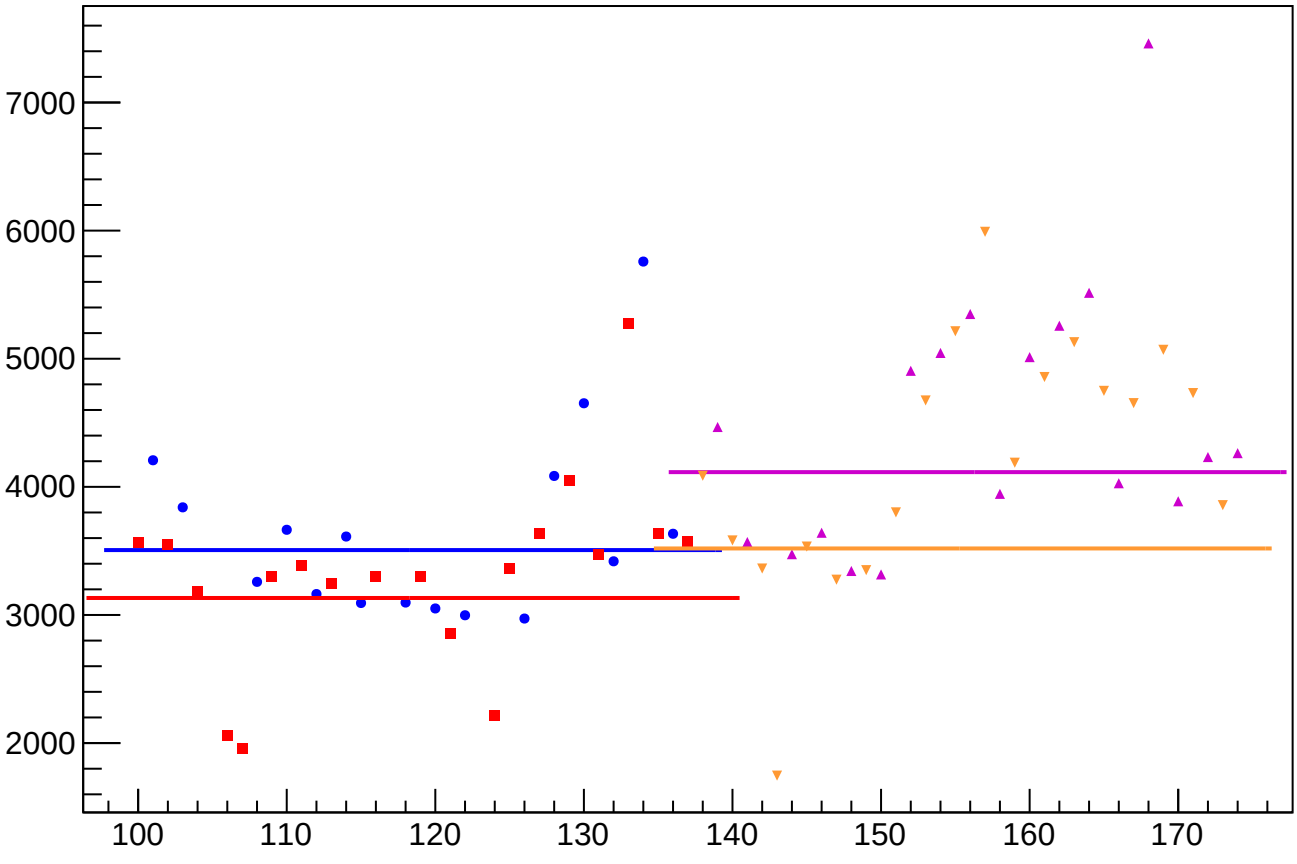
Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1286.299+/-0.194 χ^2/NDF: 677566.6/34

All: 1282.605+/-0.137 χ^2/NDF: 1034492.2/71

- sign 1278.965+/-0.193 χ^2/NDF: 356207.8/36


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -548.467+/-965.248 χ²/NDF:21.9/18
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 345.521+/-1090.149 χ²/NDF:12.1/17
+ sign -47.573+/-780.143 χ²/NDF: 36.8/34
All: 3.041+/-559.118 χ²/NDF: 67.6/71
- sign 56.494+/-801.723 χ²/NDF: 30.8/36



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3519.148+/-0.683 χ^2/NDF:3043150.2/18

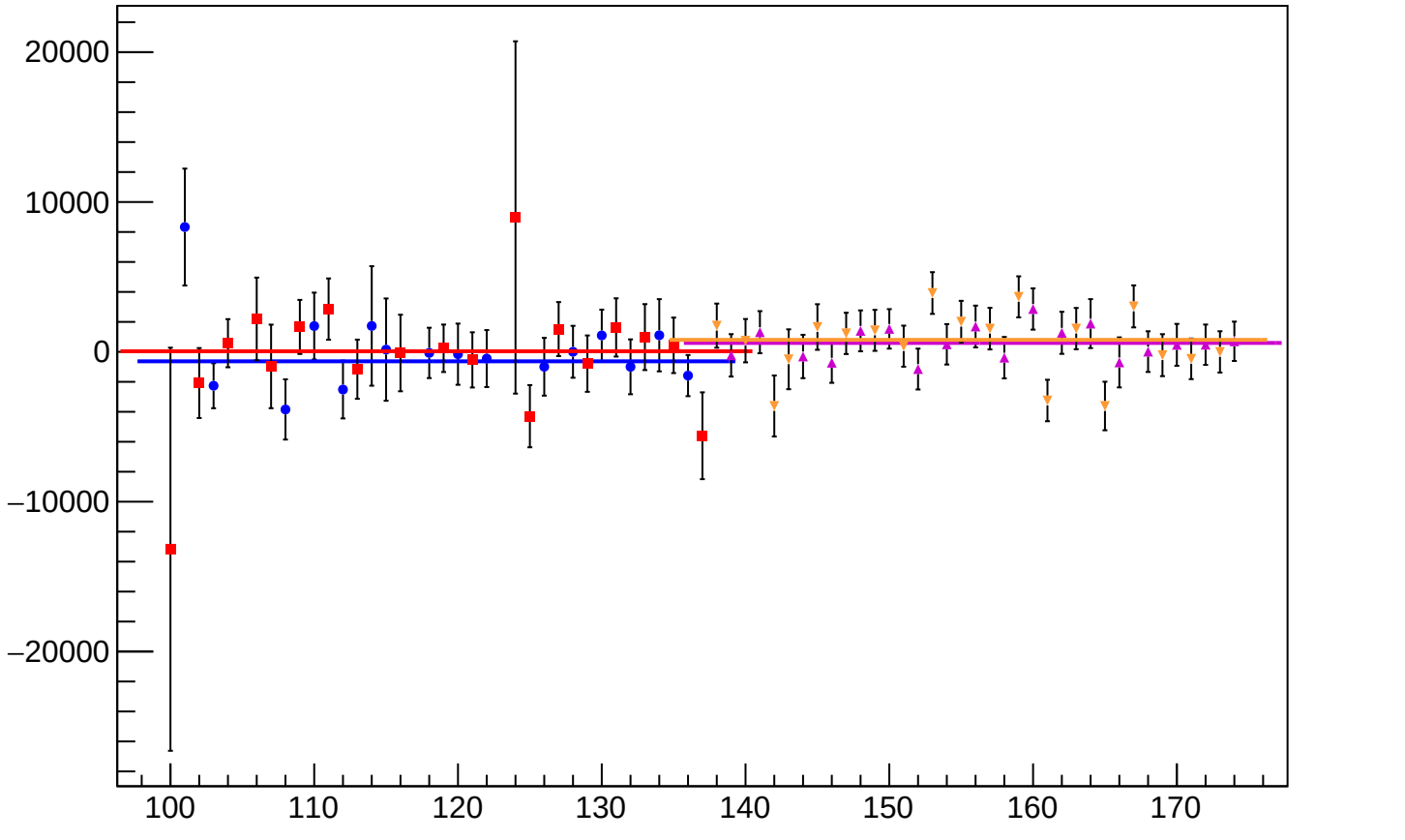
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

+ sign 3514.757+/-0.552 χ^2/NDF: 3396507.3/34

All: 3587.283+/-0.395 χ^2/NDF: 5917997.3/71

- 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: 800.137+/-332.268 χ^2/NDF:37.3/18

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

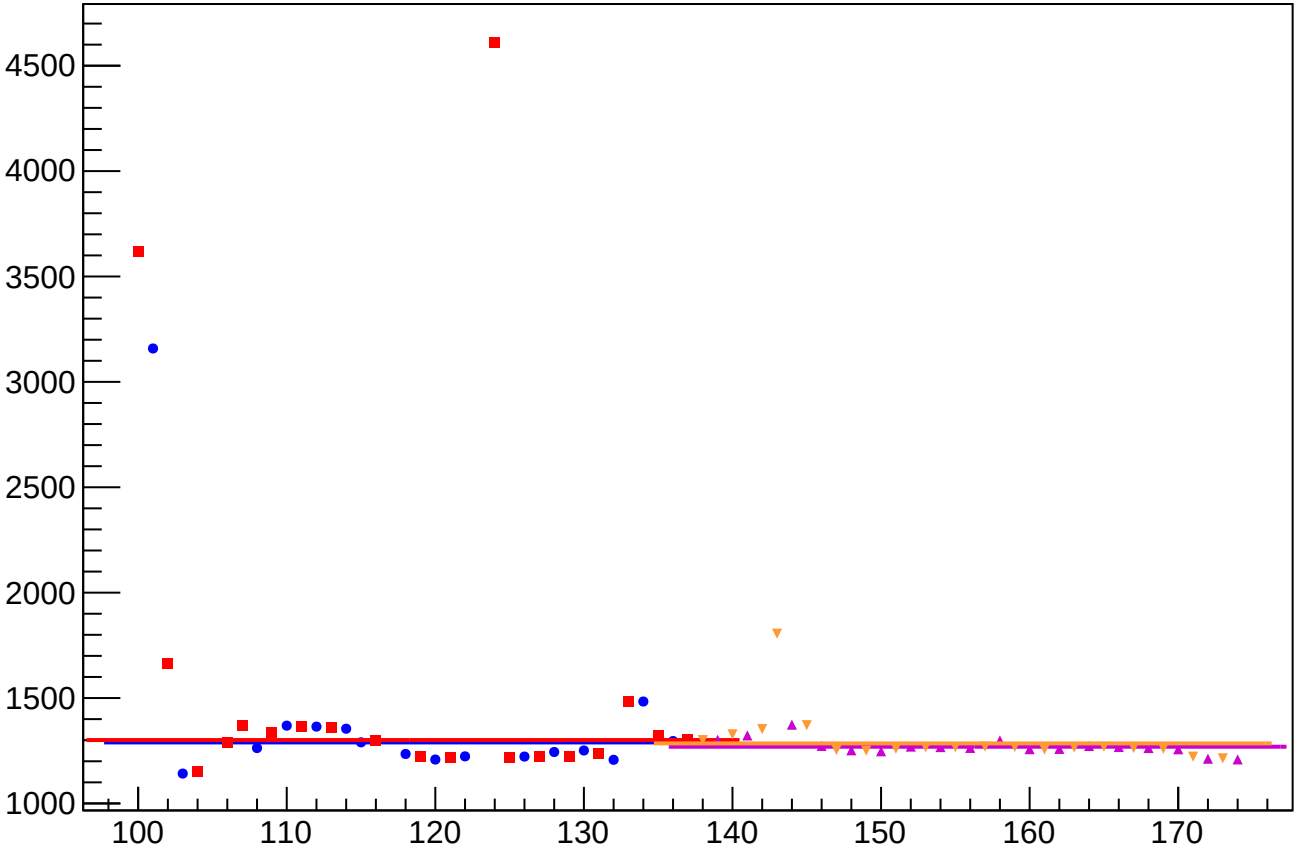
Left In: 594.340+/-329.096 χ^2/NDF:10.0/17

+ sign 347.530+/-274.767 χ^2/NDF: 57.0/34

All: 384.348+/-193.613 χ^2/NDF: 84.2/71

- sign 420.657+/-272.864 χ^2/NDF: 27.2/36

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

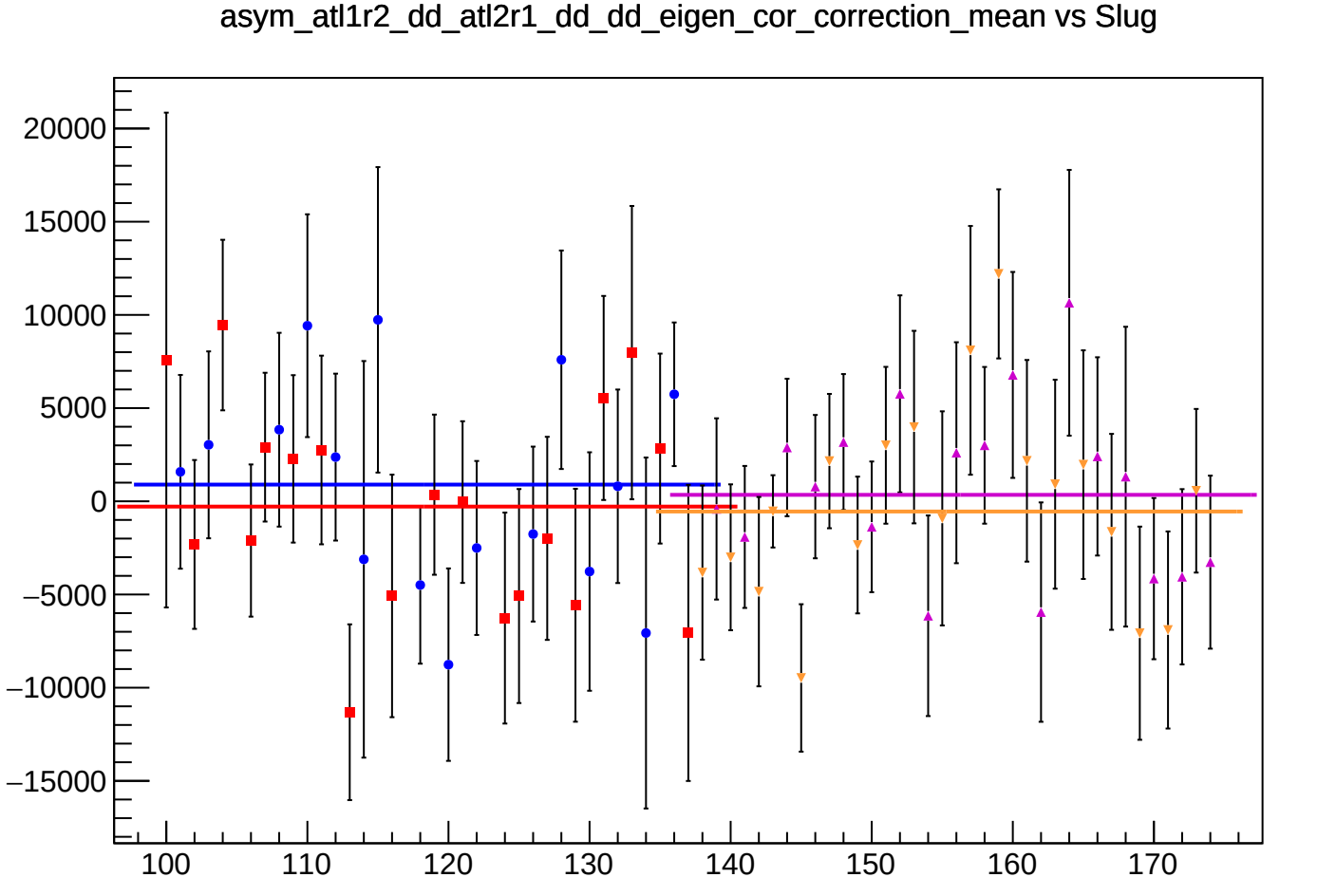
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

+ sign 1286.299+/-0.194 χ^2/NDF: 677566.6/34

All: 1282.605+/-0.137 χ^2/NDF: 1034492.2/71

- 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
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5000
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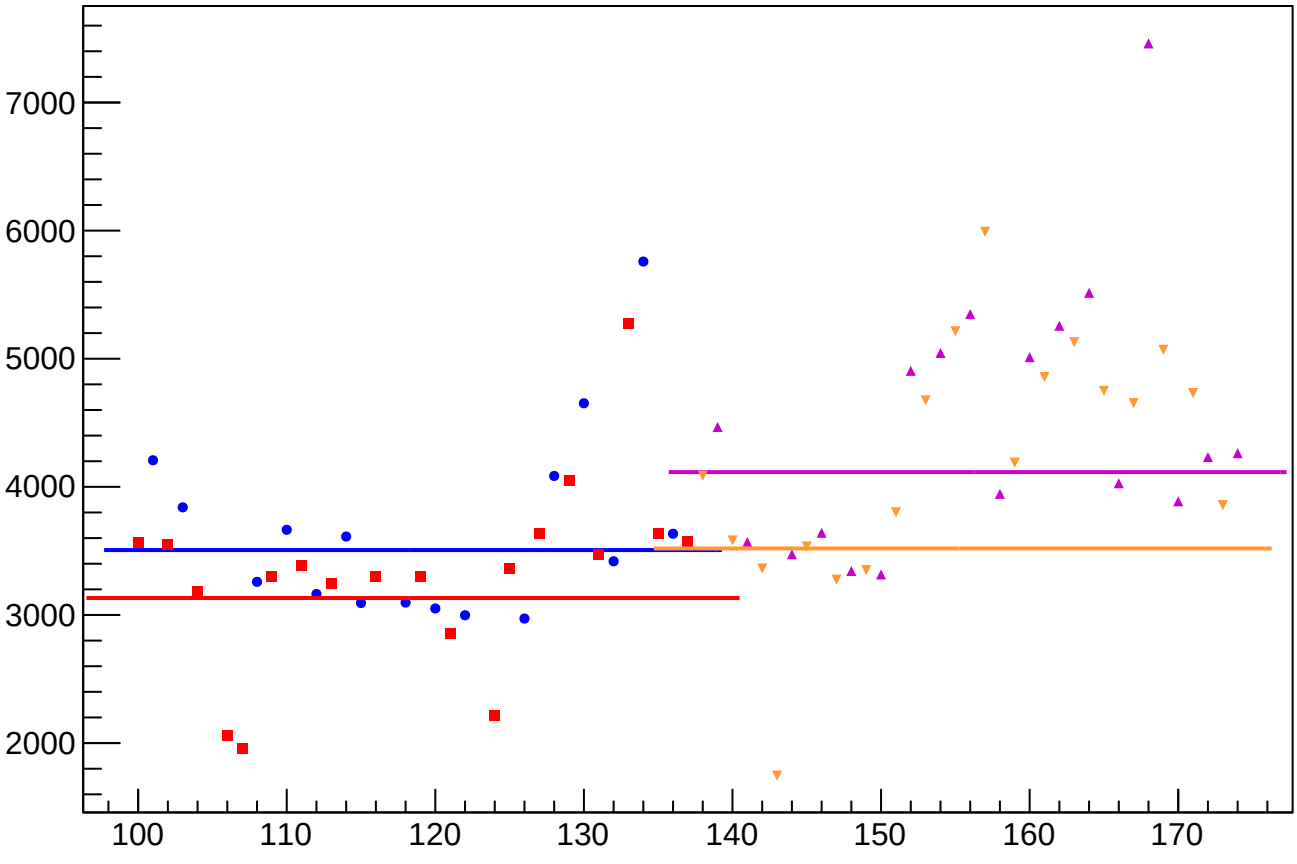
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -548.467+/-965.248 χ²/NDF:21.9/18
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 345.521+/-1090.149 χ²/NDF:12.1/17
+ sign -47.573+/-780.143 χ²/NDF: 36.8/34
All: 3.041+/-559.118 χ²/NDF: 67.6/71
- sign 56.494+/-801.723 χ²/NDF: 30.8/36



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3519.148+/-0.683 χ^2/NDF:3043150.2/18

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

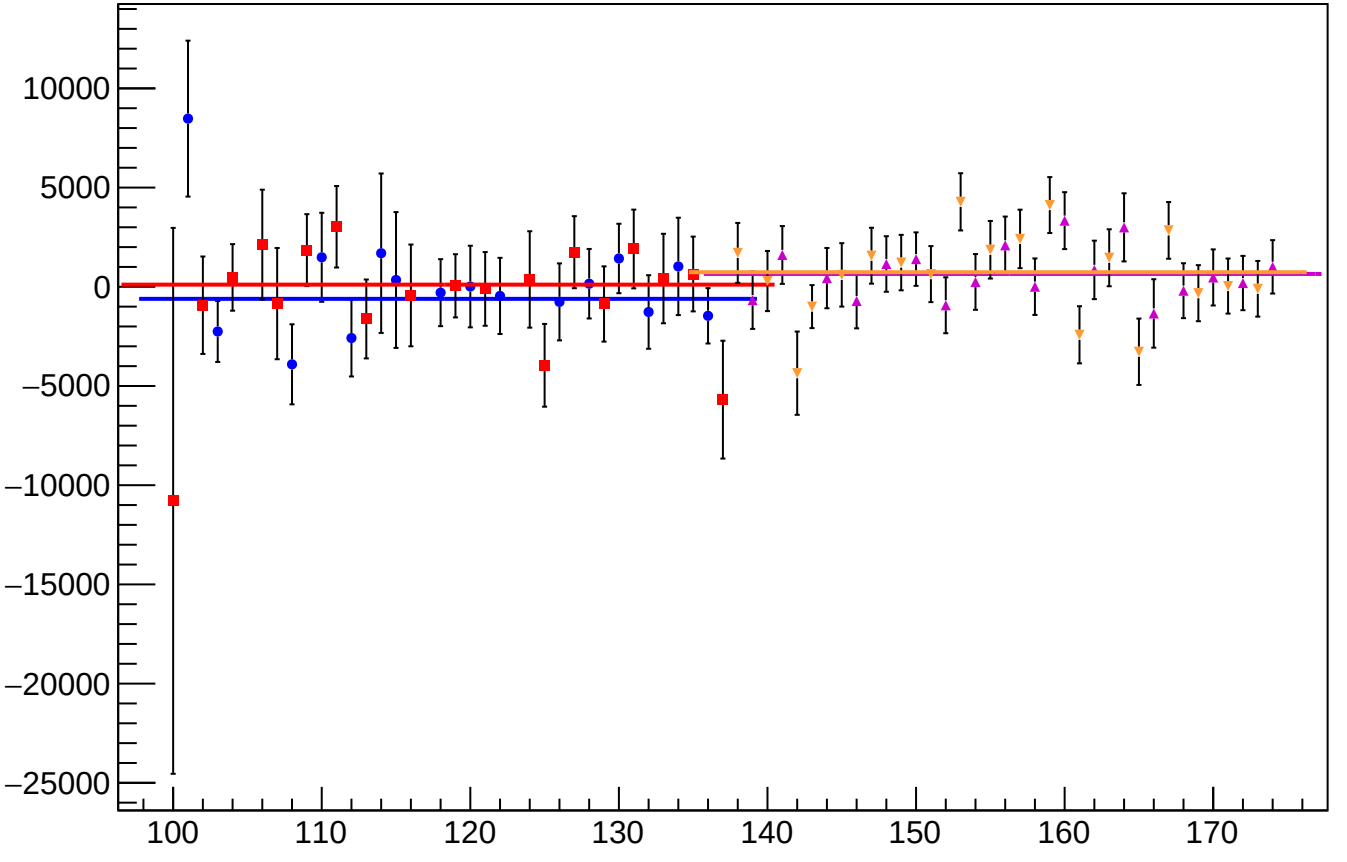
Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

+ sign 3514.757+/-0.552 χ^2/NDF: 3396507.3/34

All: 3587.283+/-0.395 χ^2/NDF: 5917997.3/71

- 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: 735.045+/-331.086 χ^2/NDF:37.3/18

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

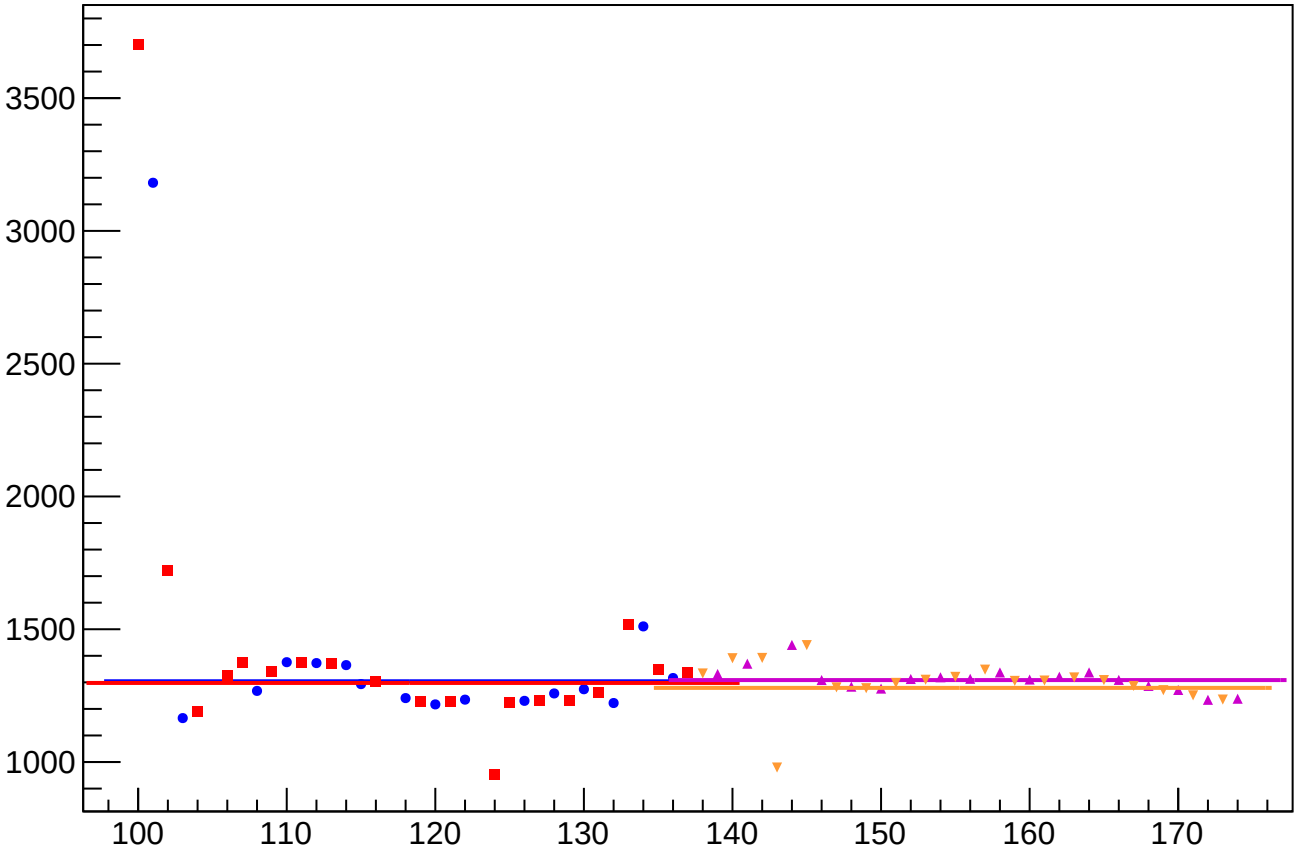
Left In: 647.406+/-339.439 χ^2/NDF:12.5/17

+ sign 319.021+/-275.061 χ^2/NDF: 56.5/34

All: 393.917+/-195.598 χ^2/NDF: 84.9/71

- 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: 1279.191+/-0.234 χ^2/NDF:206354.8/18

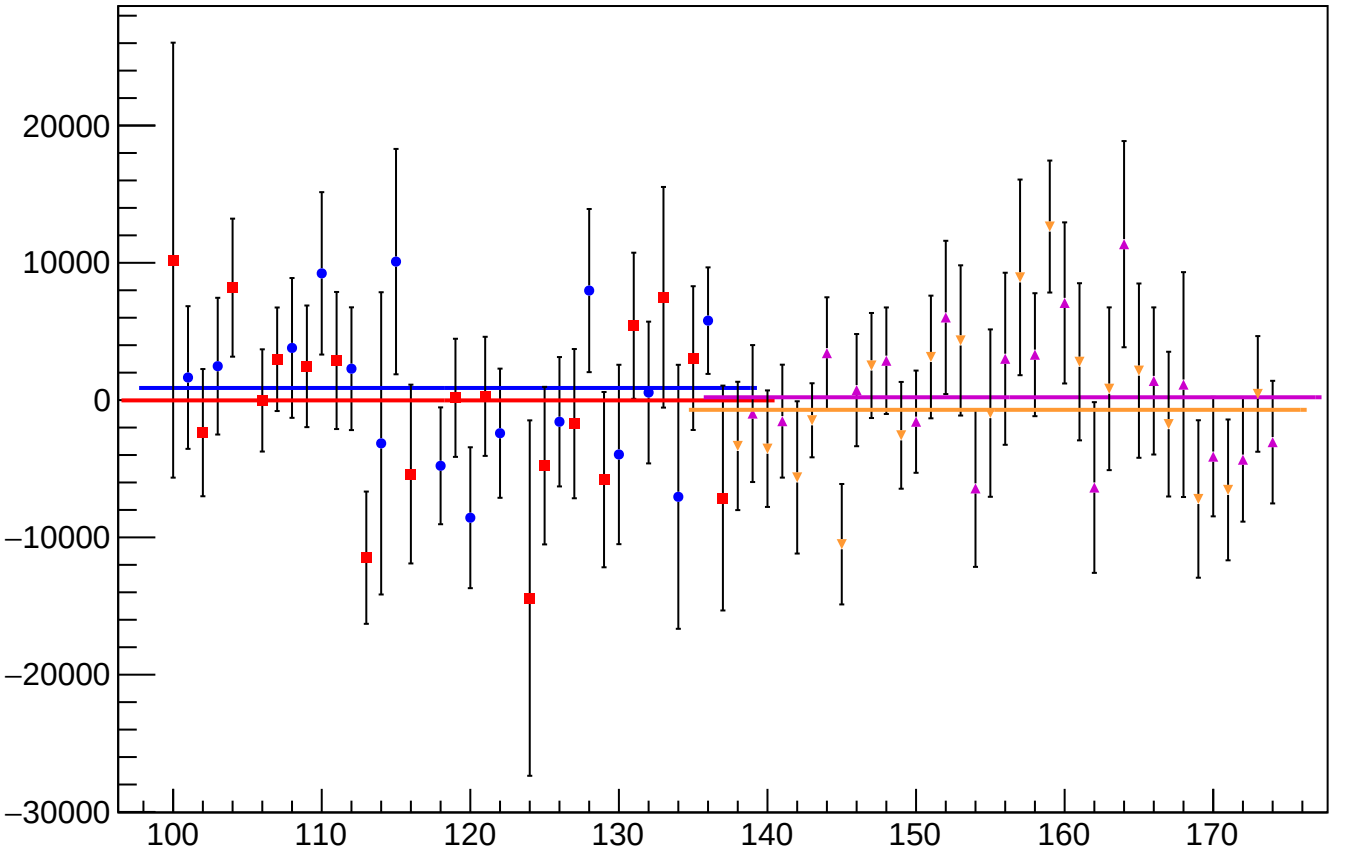
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1308.584+/-0.240 χ^2/NDF:35969.6/17

+ sign 1286.908+/-0.194 χ^2/NDF: 720452.0/34

All: 1295.873+/-0.138 χ^2/NDF: 974478.7/71

- 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: -708.290+/-1068.709 χ^2/NDF:22.0/18

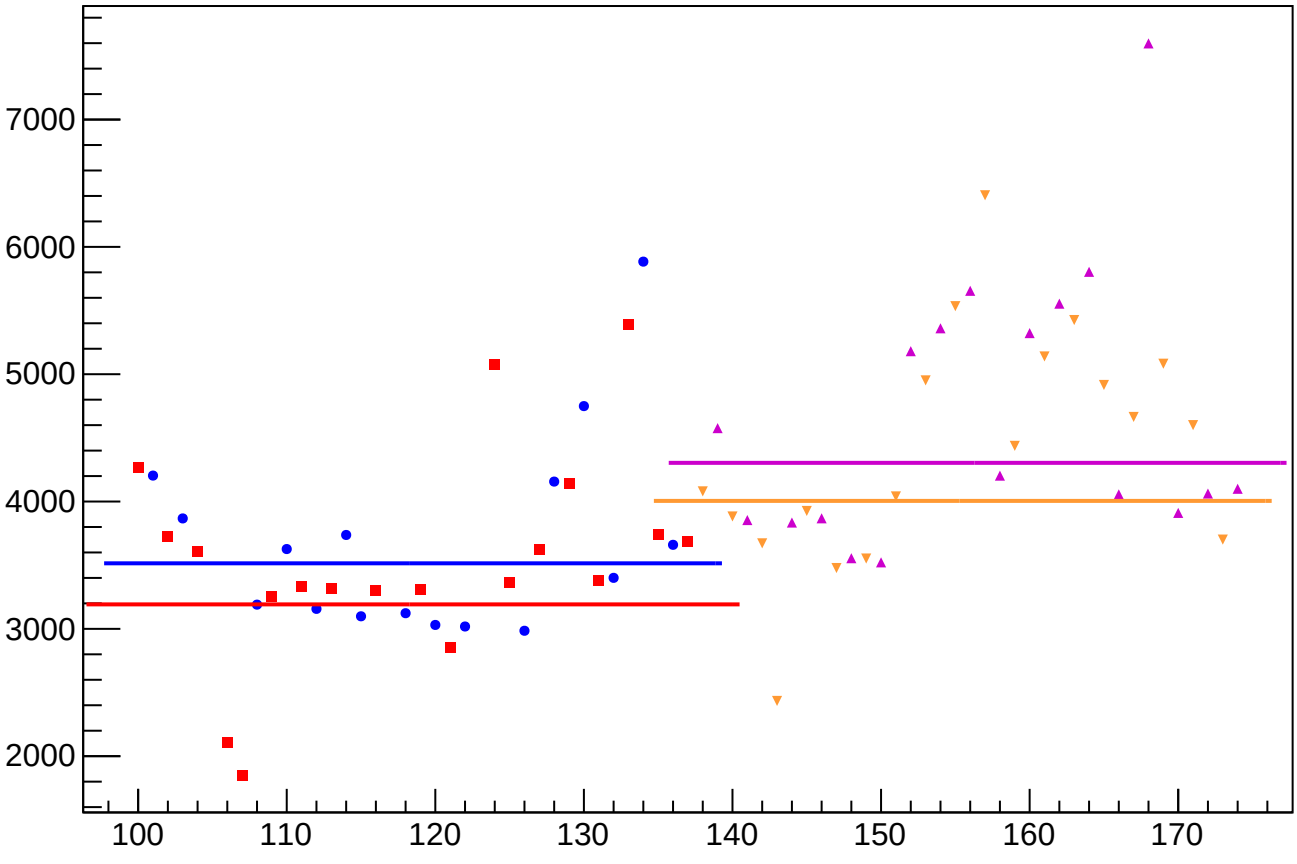
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 206.543+/-1139.188 χ^2/NDF:12.0/17

\+ sign -82.049+/-832.440 χ^2/NDF: 37.0/34

All: 9.074+/-586.404 χ^2/NDF: 65.9/71

\- 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: 4005.003+/-0.756 χ^2/NDF:1556289.4/18

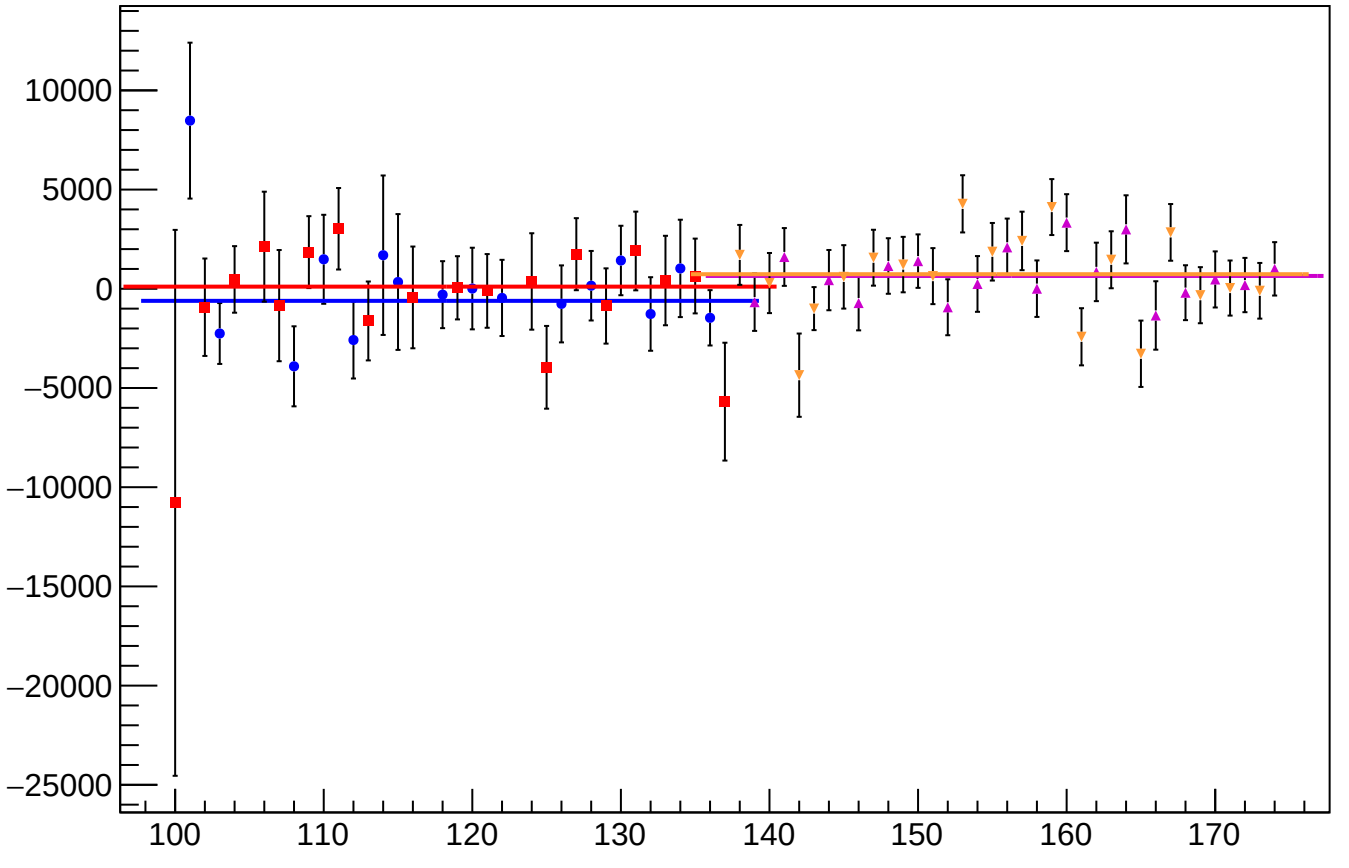
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4303.858+/-0.806 χ^2/NDF:1028472.8/17

+ sign 3812.194+/-0.589 χ^2/NDF: 2096892.8/34

All: 3794.423+/-0.415 χ^2/NDF: 4802426.0/71

- 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: 735.048+/-331.086 χ^2/NDF:37.3/18

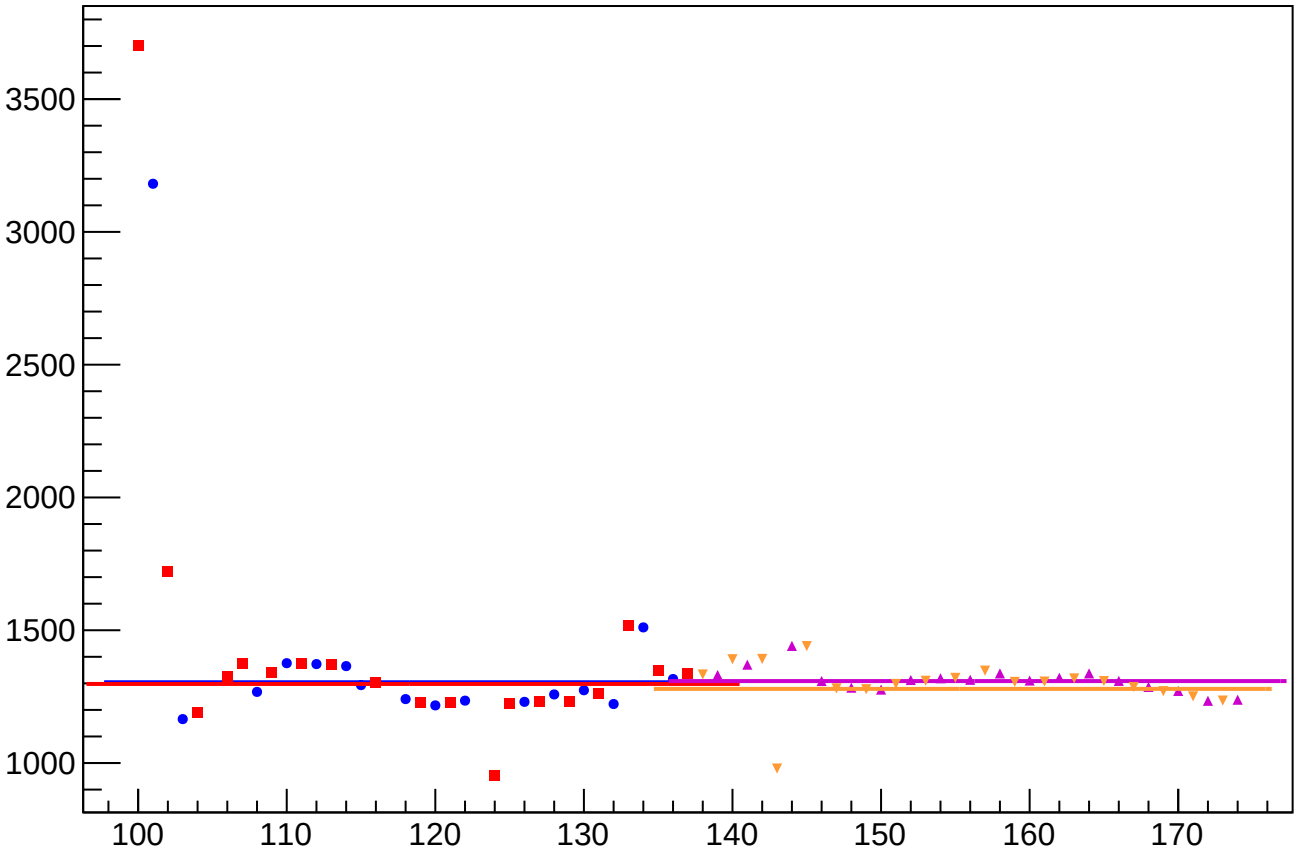
Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: 647.407+/-339.439 χ^2/NDF:12.5/17

+ sign 319.021+/-275.061 χ^2/NDF: 56.5/34

All: 393.918+/-195.598 χ^2/NDF: 84.9/71

- sign 470.535+/-278.200 χ^2/NDF: 28.2/36



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1279.192+/-0.234 χ^2/NDF:206356.0/18

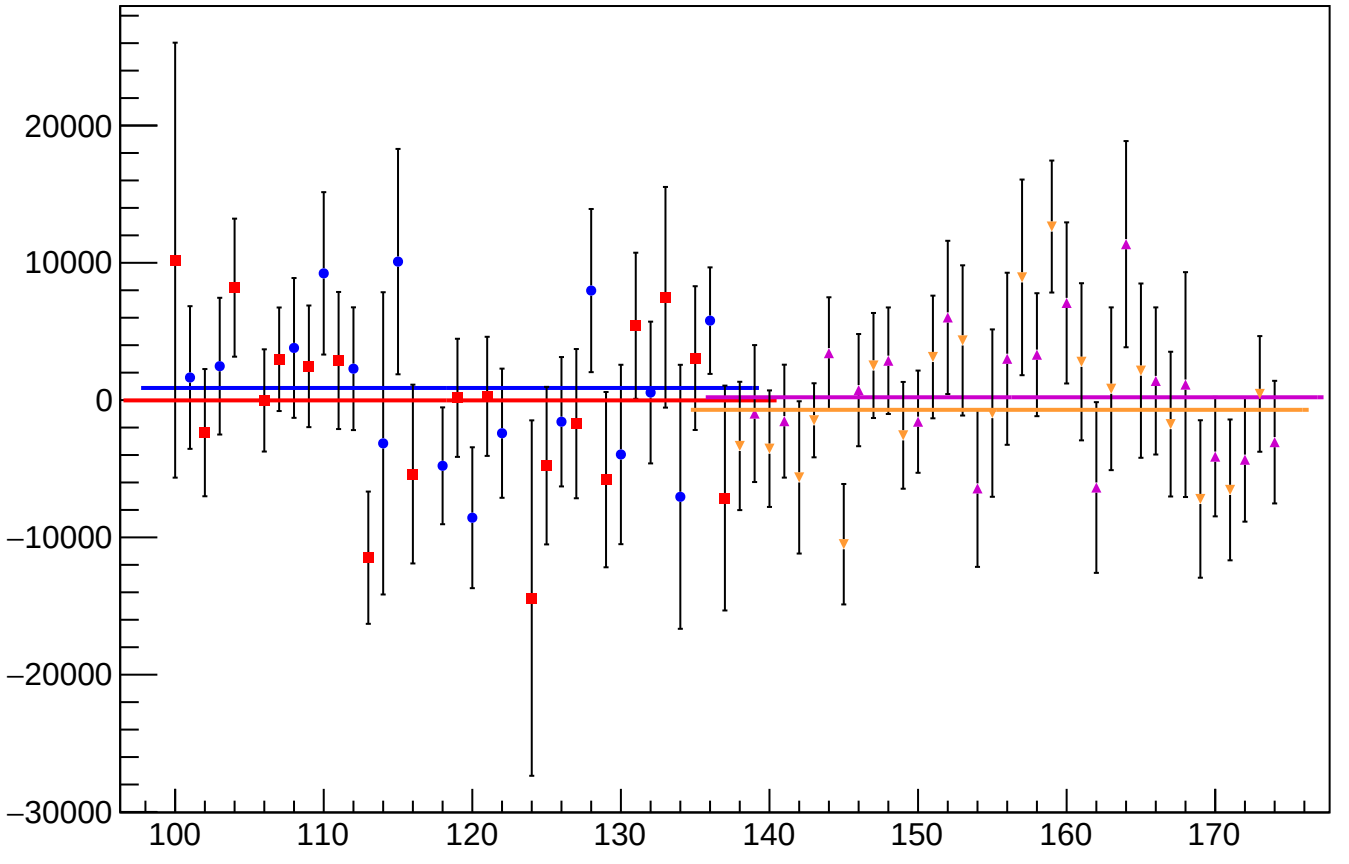
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1308.585+/-0.240 χ^2/NDF:35970.7/17

+ sign 1286.909+/-0.194 χ^2/NDF: 720453.0/34

All: 1295.874+/-0.138 χ^2/NDF: 974481.2/71

- 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: -708.288+/-1068.711 χ^2/NDF:22.0/18

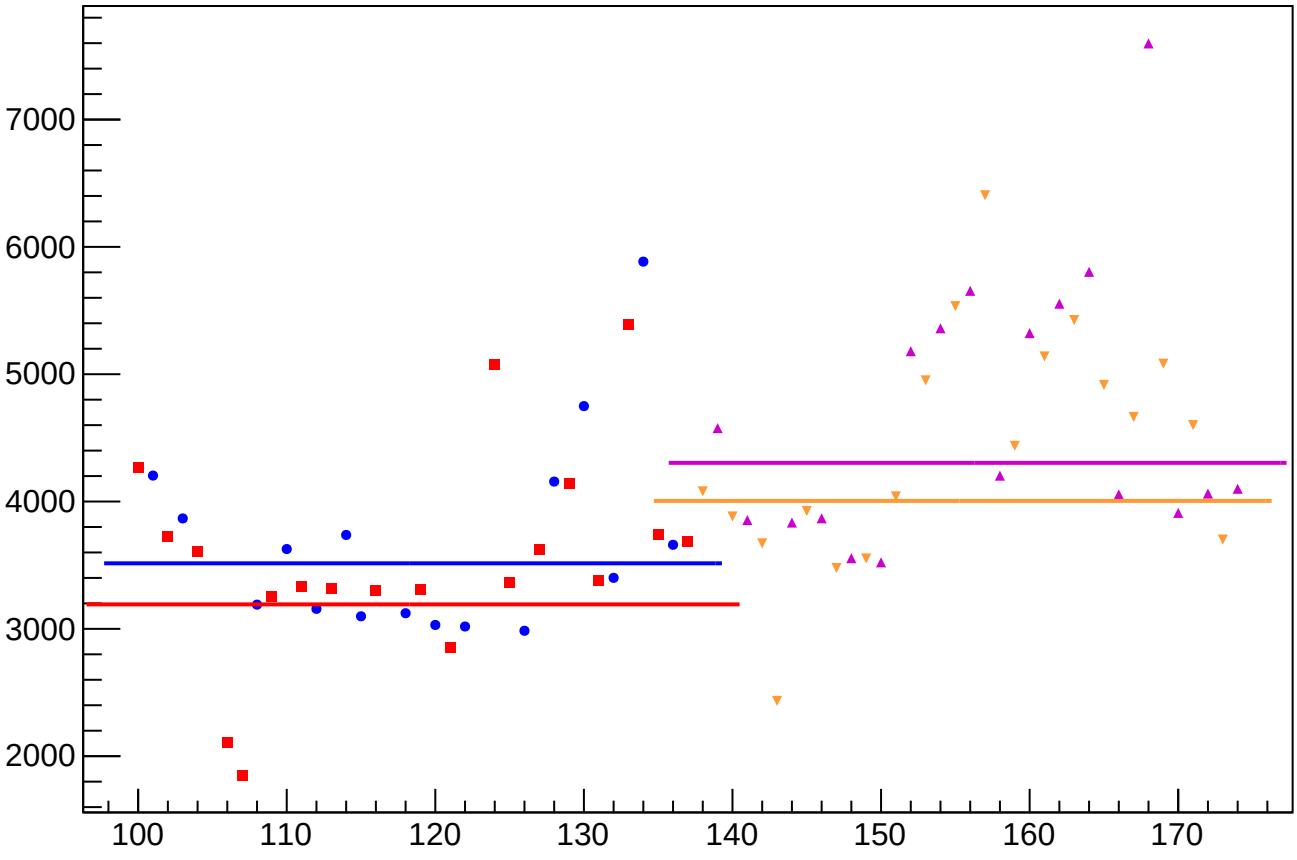
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 206.542+/-1139.189 χ^2/NDF:12.0/17

+ sign -82.049+/-832.440 χ^2/NDF: 37.0/34

All: 9.075+/-586.403 χ^2/NDF: 65.9/71

- 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: 4005.009+/-0.756 χ^2/NDF:1556290.4/18

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

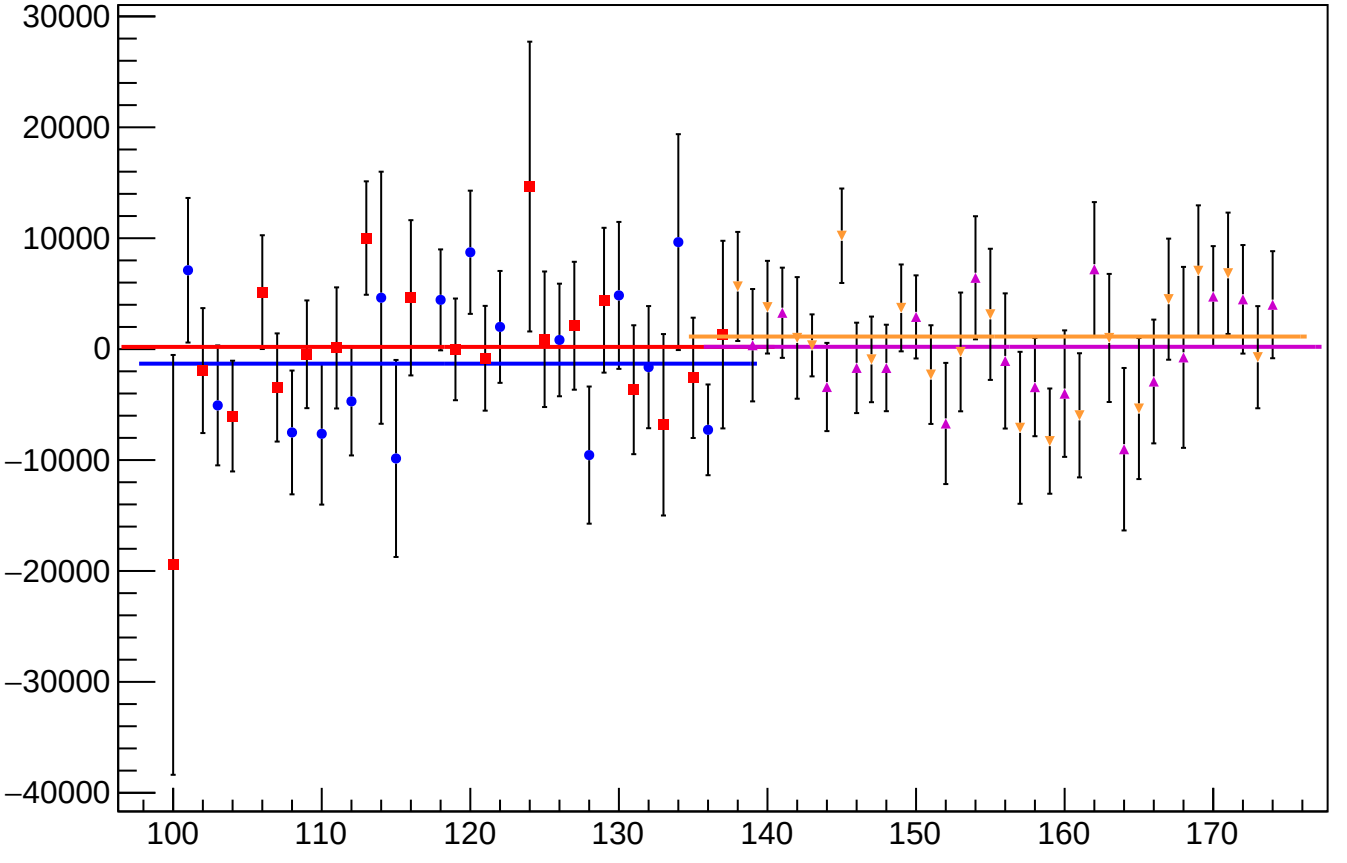
Left In: 4303.864+/-0.806 χ^2/NDF:1028474.8/17

+ sign 3812.193+/-0.589 χ^2/NDF: 2096908.5/34

All: 3794.421+/-0.415 χ^2/NDF: 4802470.1/71

- 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: 1135.281+/-1080.463 χ^2/NDF:18.1/18

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

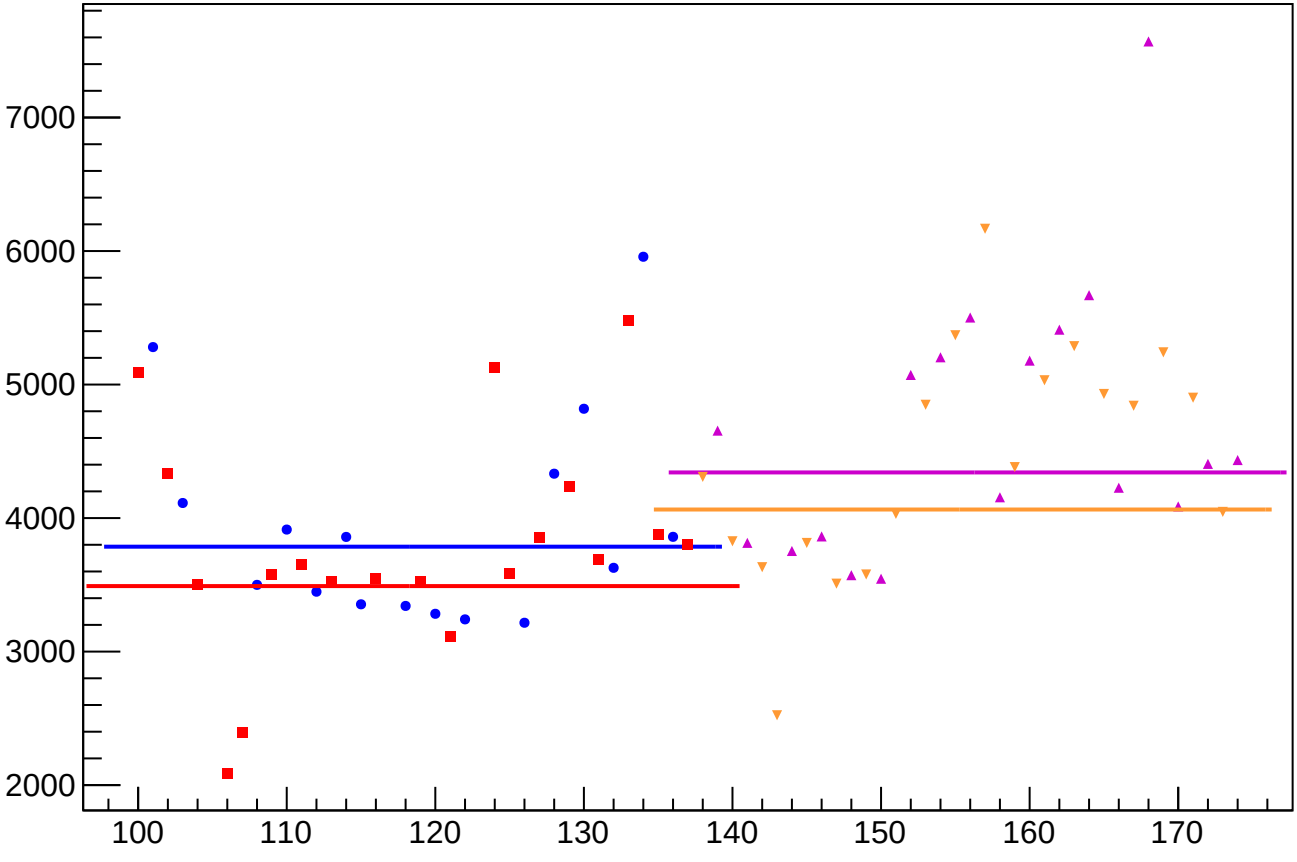
Left In: 210.269+/-1146.548 χ^2/NDF:12.1/17

\+ sign 248.148+/-862.416 χ^2/NDF: 37.5/34

All: 227.553+/-612.515 χ^2/NDF: 61.3/71

\- 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: 4064.112+/-0.764 χ^2/NDF:1402478.4/18

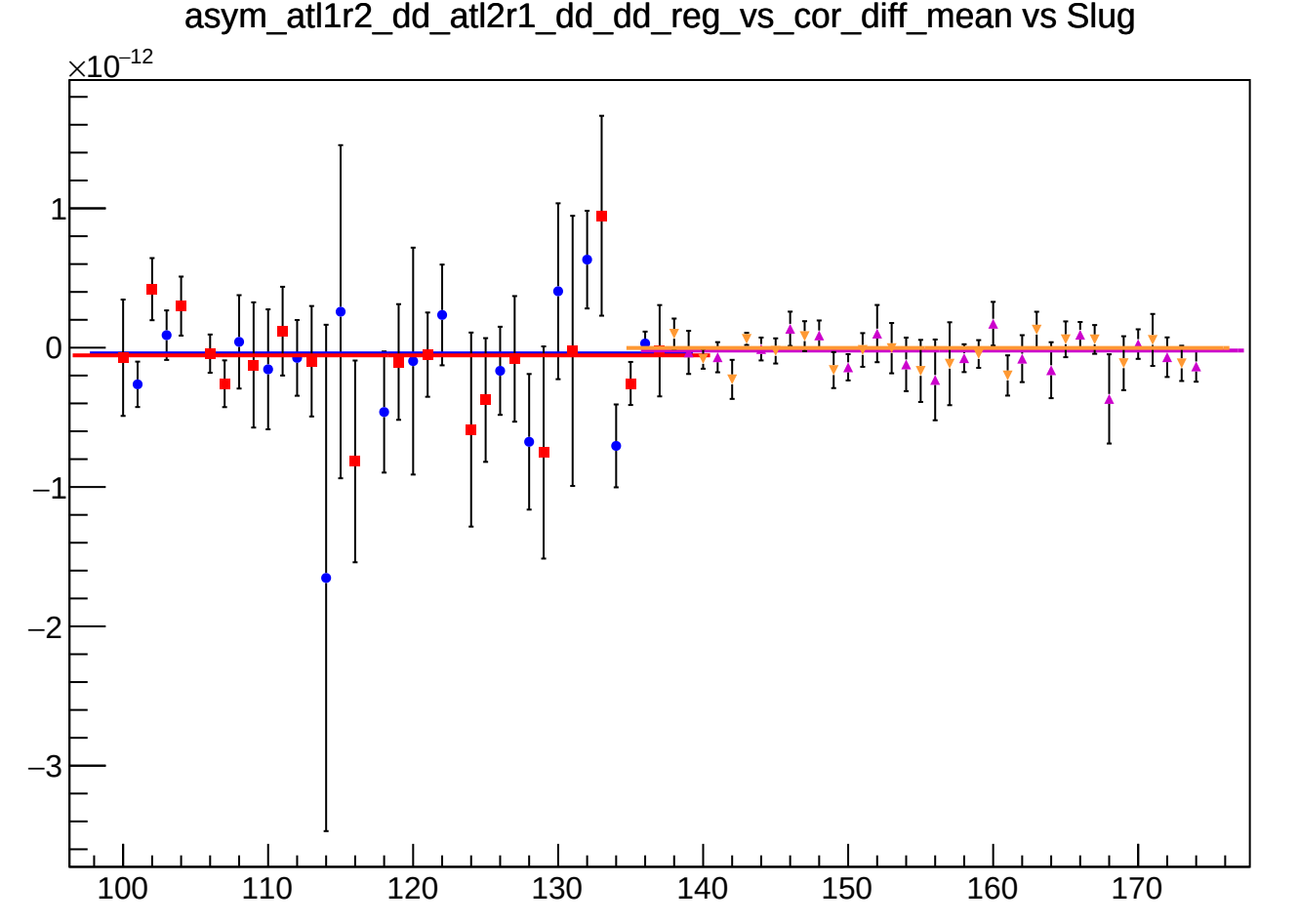
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4341.856+/-0.811 χ^2/NDF:933474.2/17

+ sign 3963.104+/-0.610 χ^2/NDF: 1833636.8/34

All: 3969.094+/-0.432 χ^2/NDF: 3828974.0/71

- 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:14.6/18

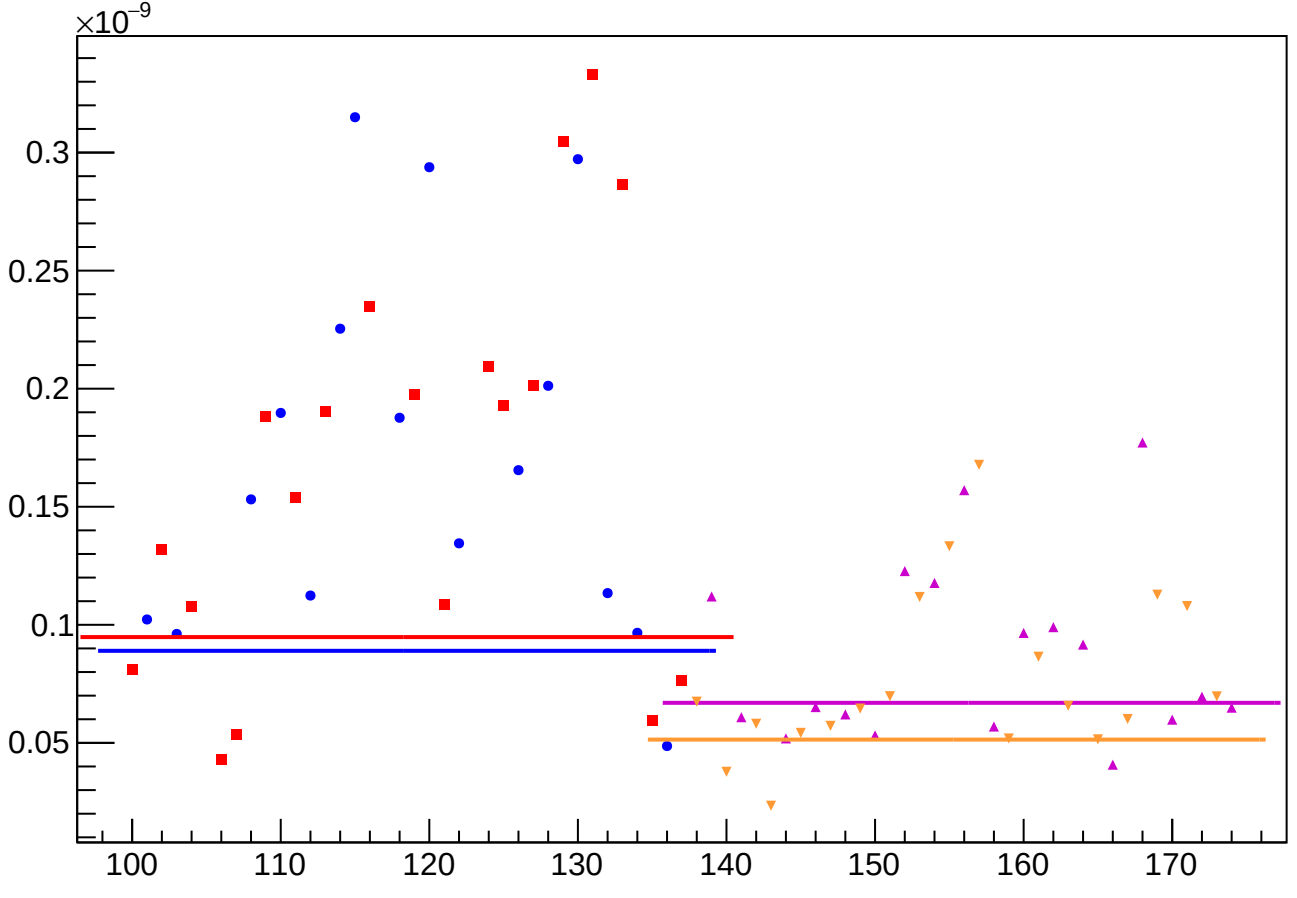
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/34

All: -0.000+/-0.000 χ^2/NDF: 60.2/71

- 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:2392370.8/18

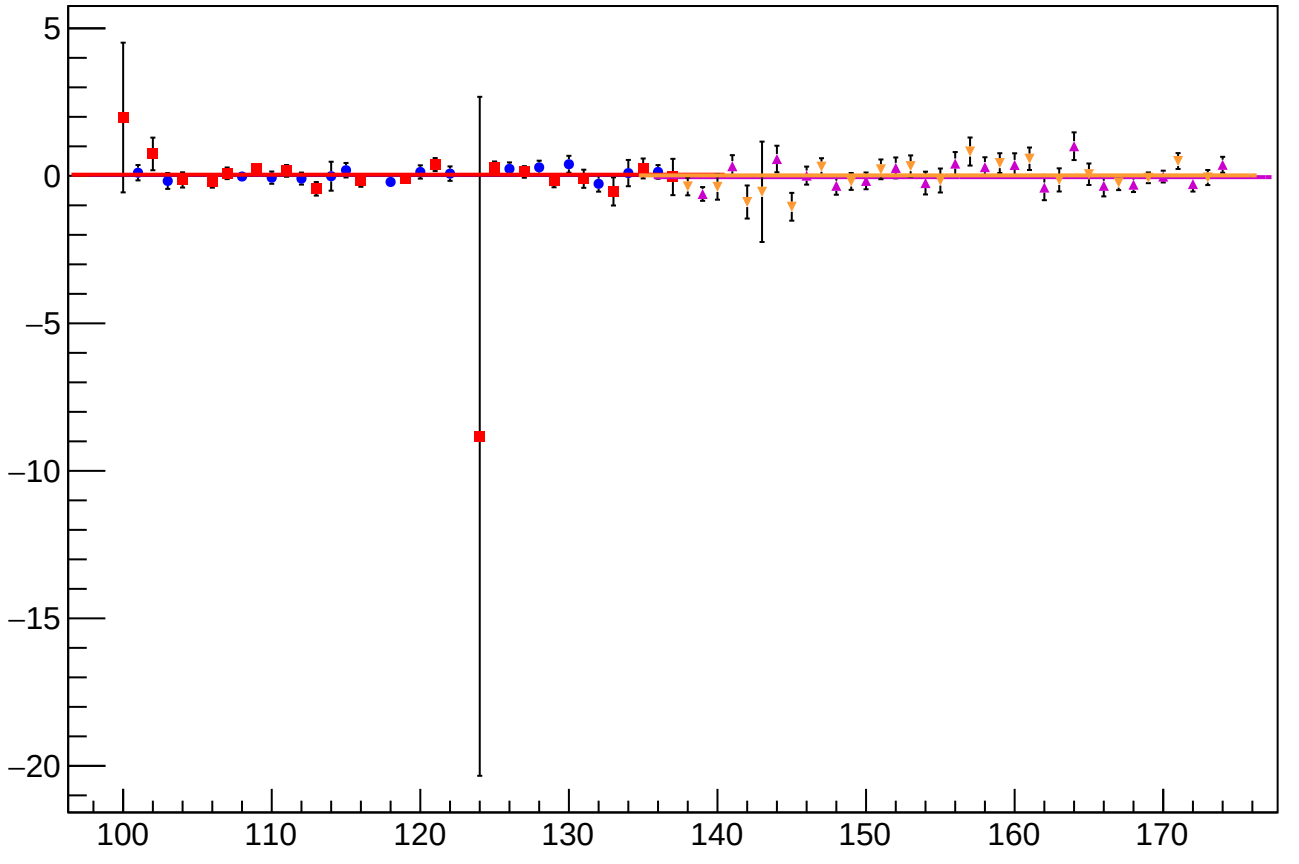
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1375901.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 4549650.7/34

All: 0.000+/-0.000 χ^2/NDF: 8349189.5/71

- 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: 0.016+/-0.075 χ^2/NDF:24.2/18

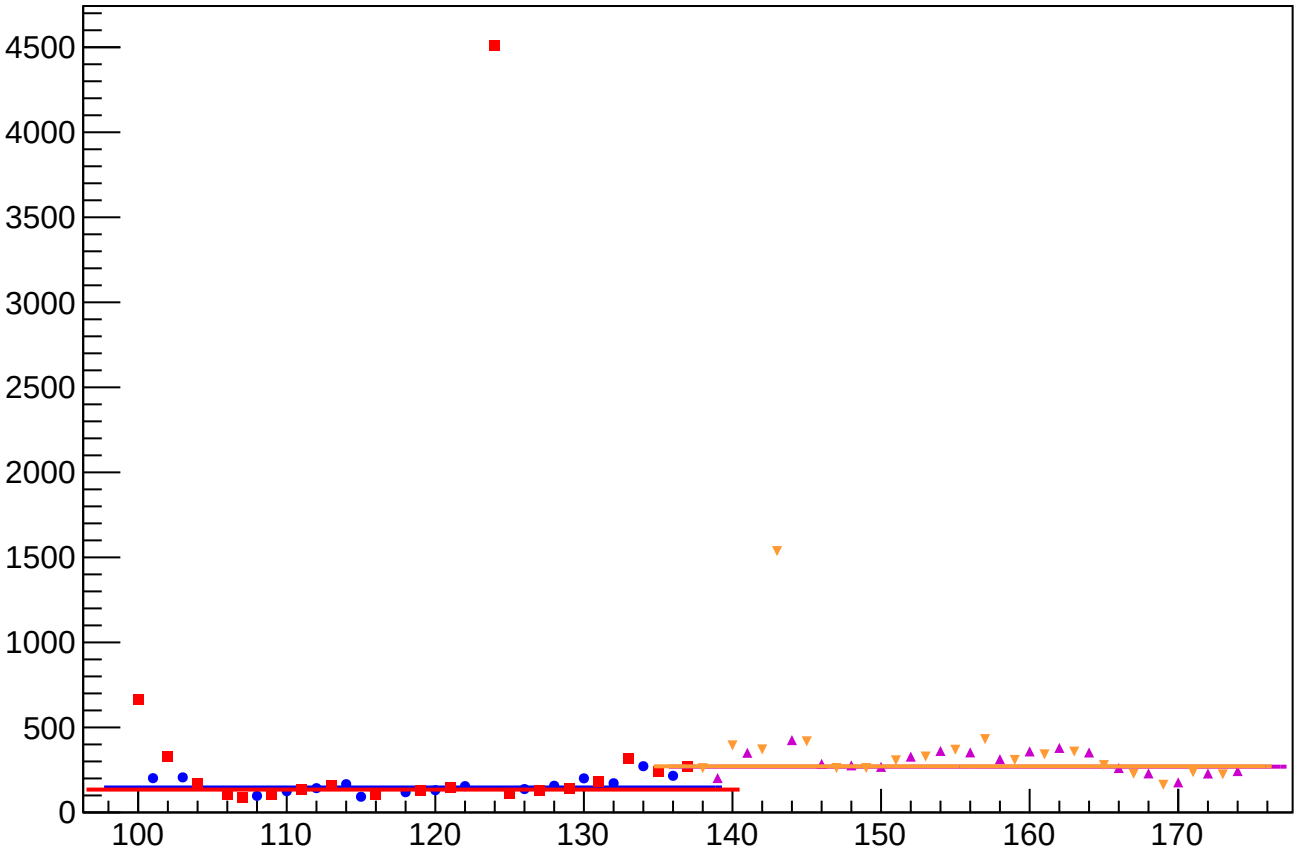
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.024+/-0.046 χ^2/NDF: 33.7/34

All: 0.016+/-0.032 χ^2/NDF: 79.8/71

- 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: 271.419+/-0.053 χ^2/NDF:3010380.1/18

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

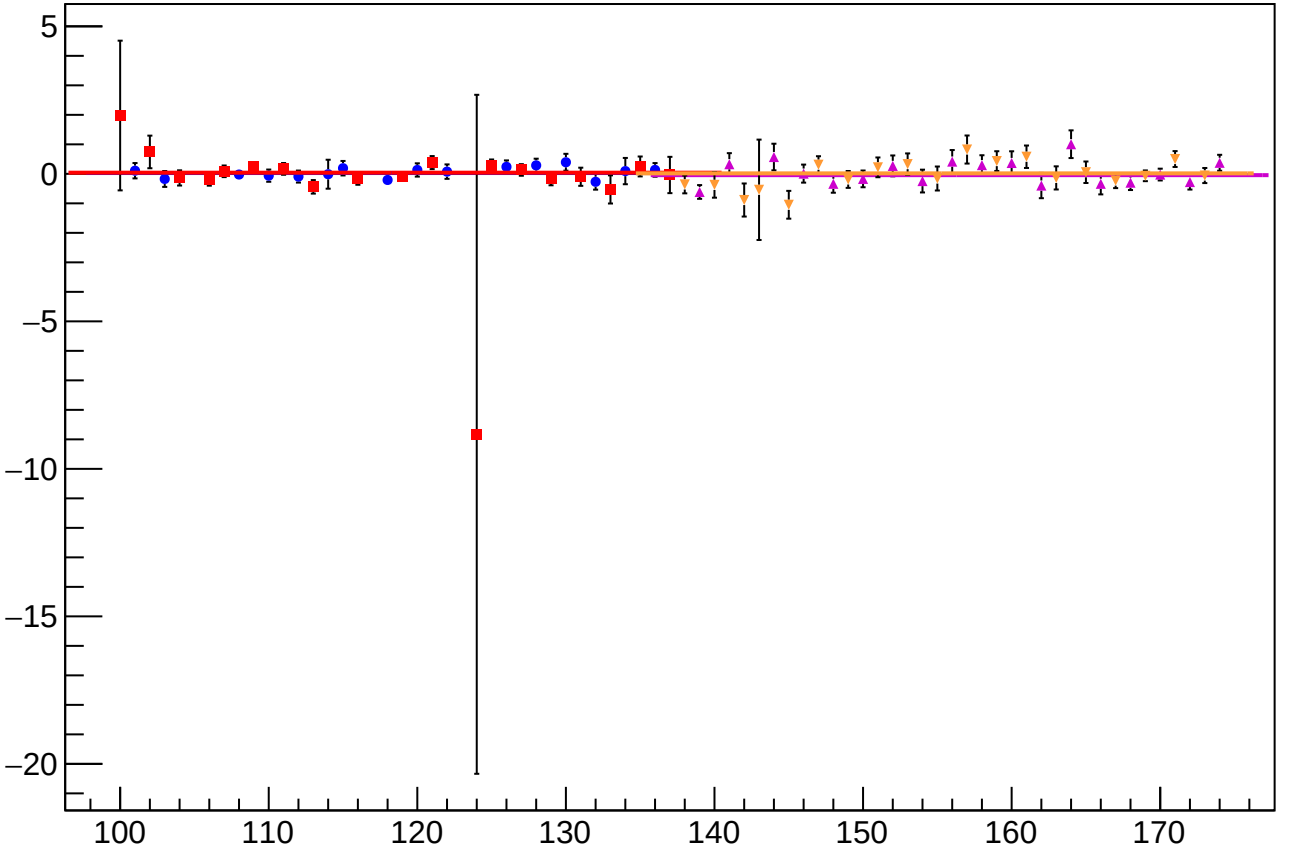
Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

+ sign 193.513+/-0.032 χ^2/NDF: 7502838.2/34

All: 188.160+/-0.022 χ^2/NDF: 15185133.5/71

- 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: 0.016+/-0.075 χ^2/NDF:24.2/18

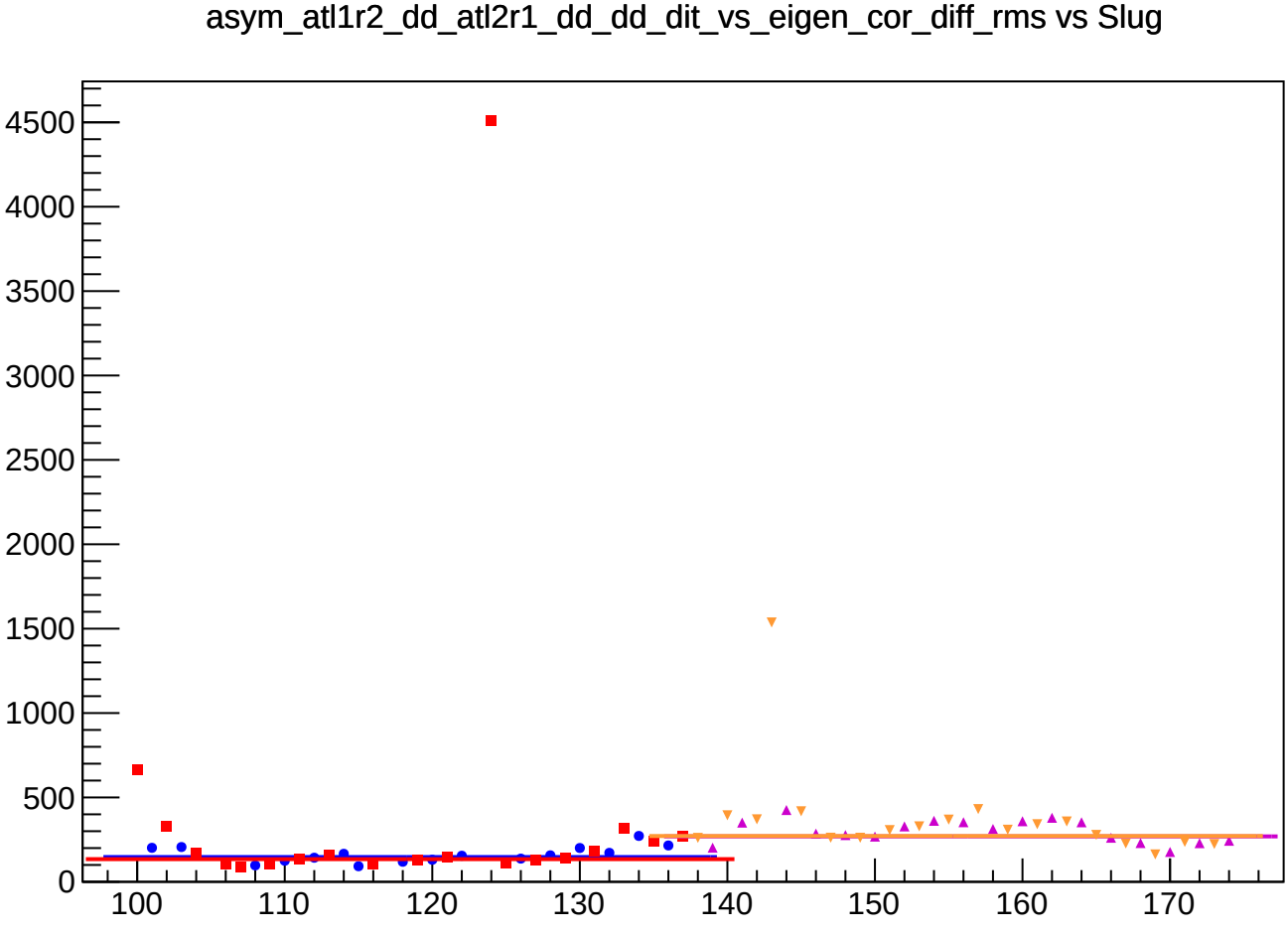
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.024+/-0.046 χ^2/NDF: 33.7/34

All: 0.016+/-0.032 χ^2/NDF: 79.8/71

- 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: 271.419+/-0.053 χ^2/NDF:3010380.1/18

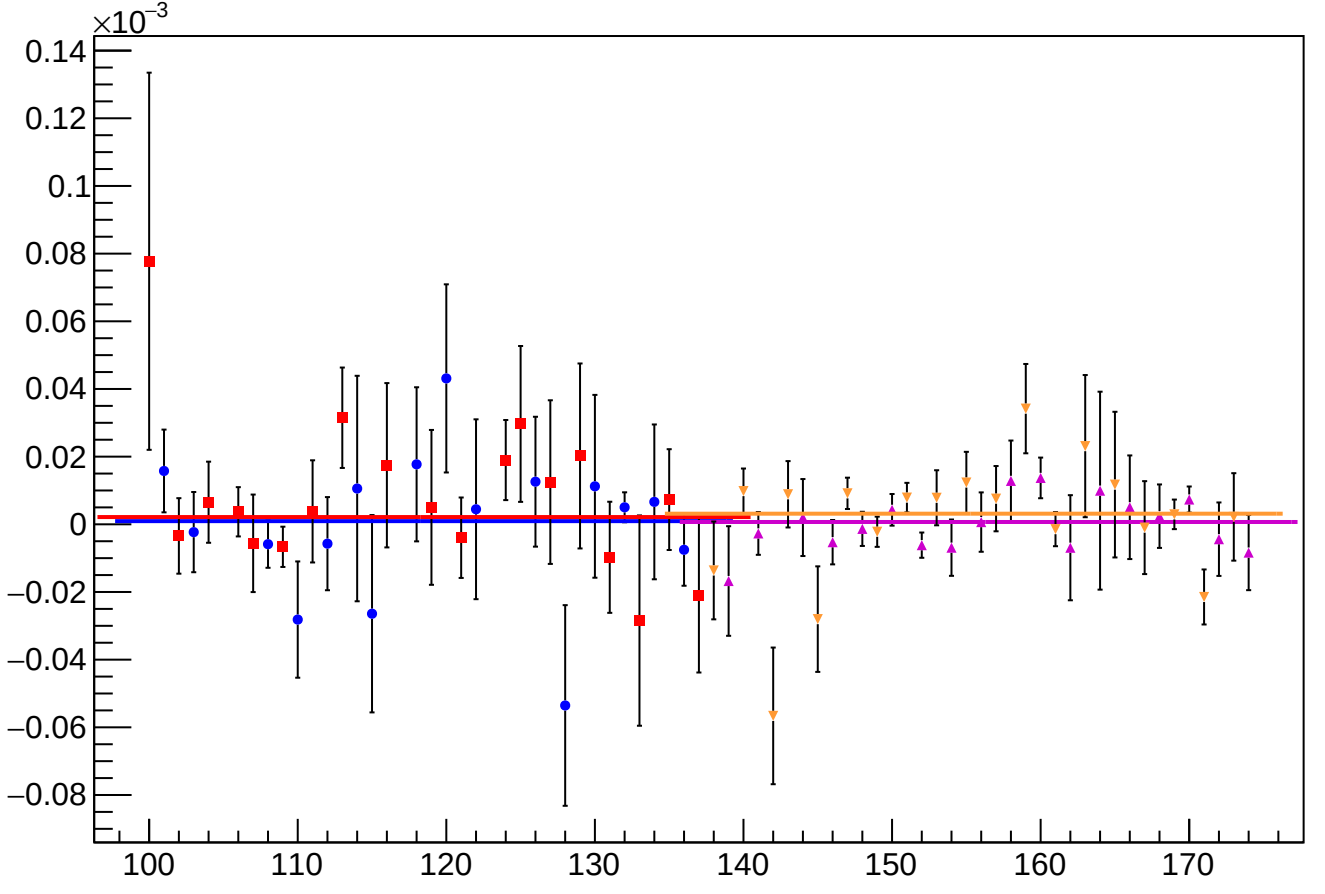
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

+ sign 193.513+/-0.032 χ^2/NDF: 7502838.2/34

All: 188.160+/-0.022 χ^2/NDF: 15185133.5/71

- 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:38.0/18

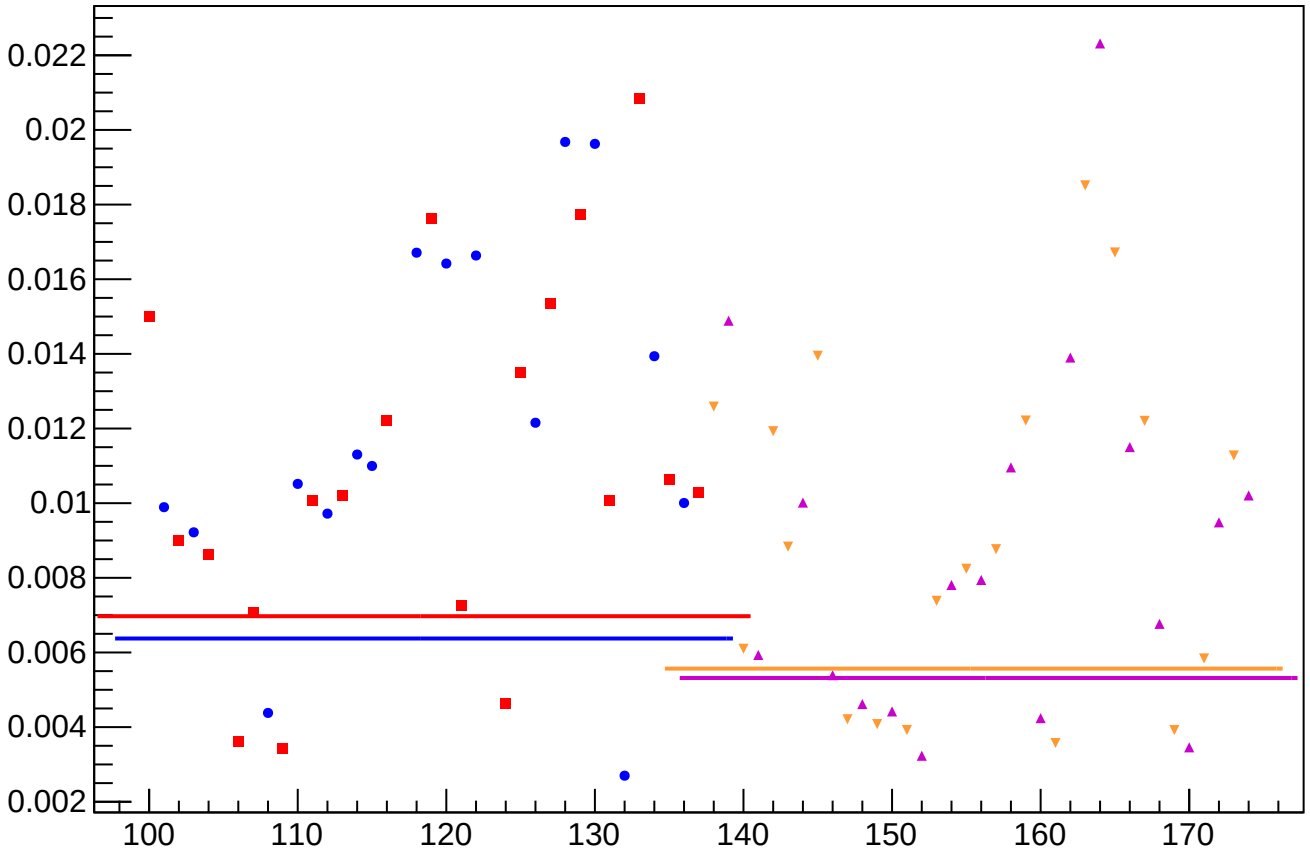
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/17

\+ sign 0.000+/-0.000 χ^2/NDF: 53.3/34

All: 0.000+/-0.000 χ^2/NDF: 87.4/71

\- 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:5913832.2/18

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

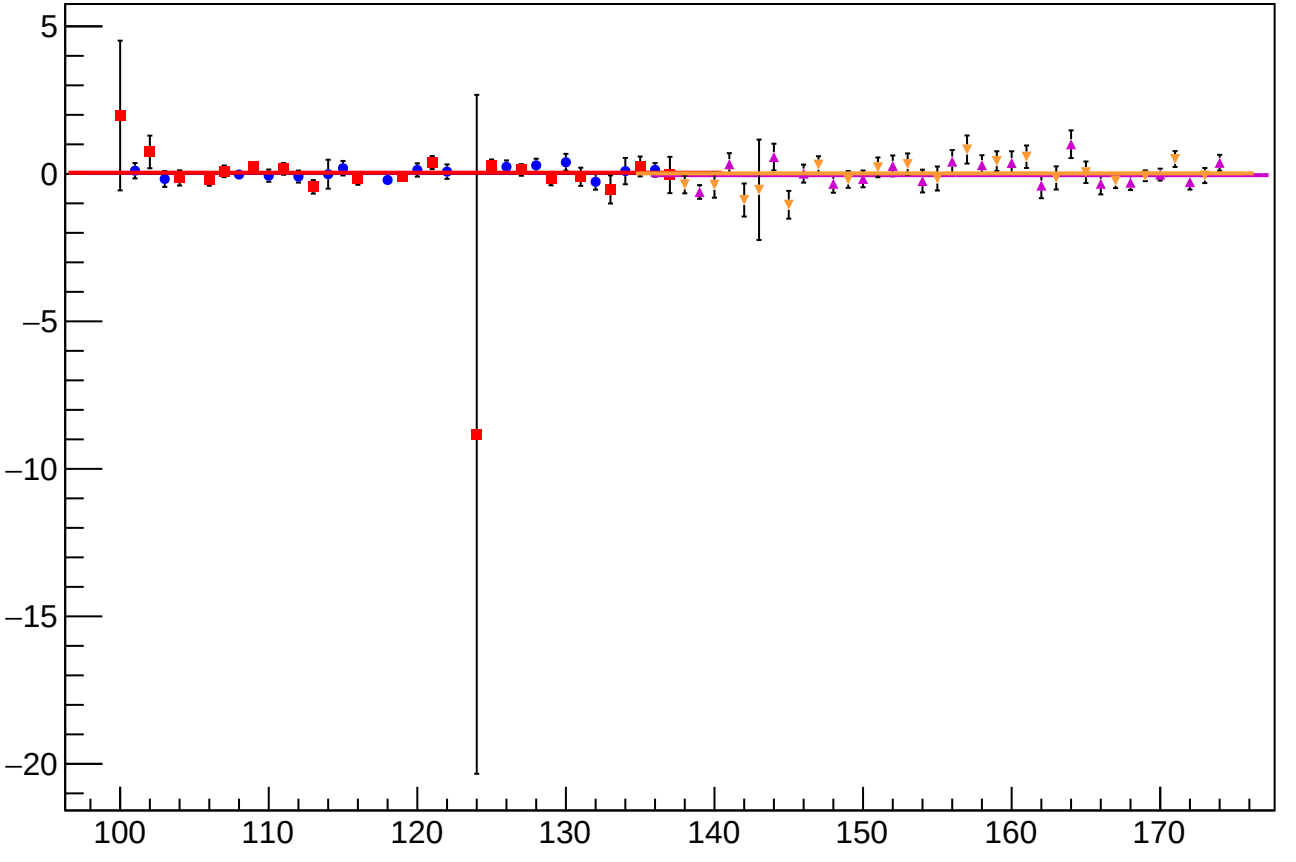
Left In: 0.005+/-0.000 χ^2/NDF:5474521.5/17

+ sign 0.006+/-0.000 χ^2/NDF: 10668309.7/34

All: 0.006+/-0.000 χ^2/NDF: 20024617.4/71

- sign 0.006+/-0.000 χ^2/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: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

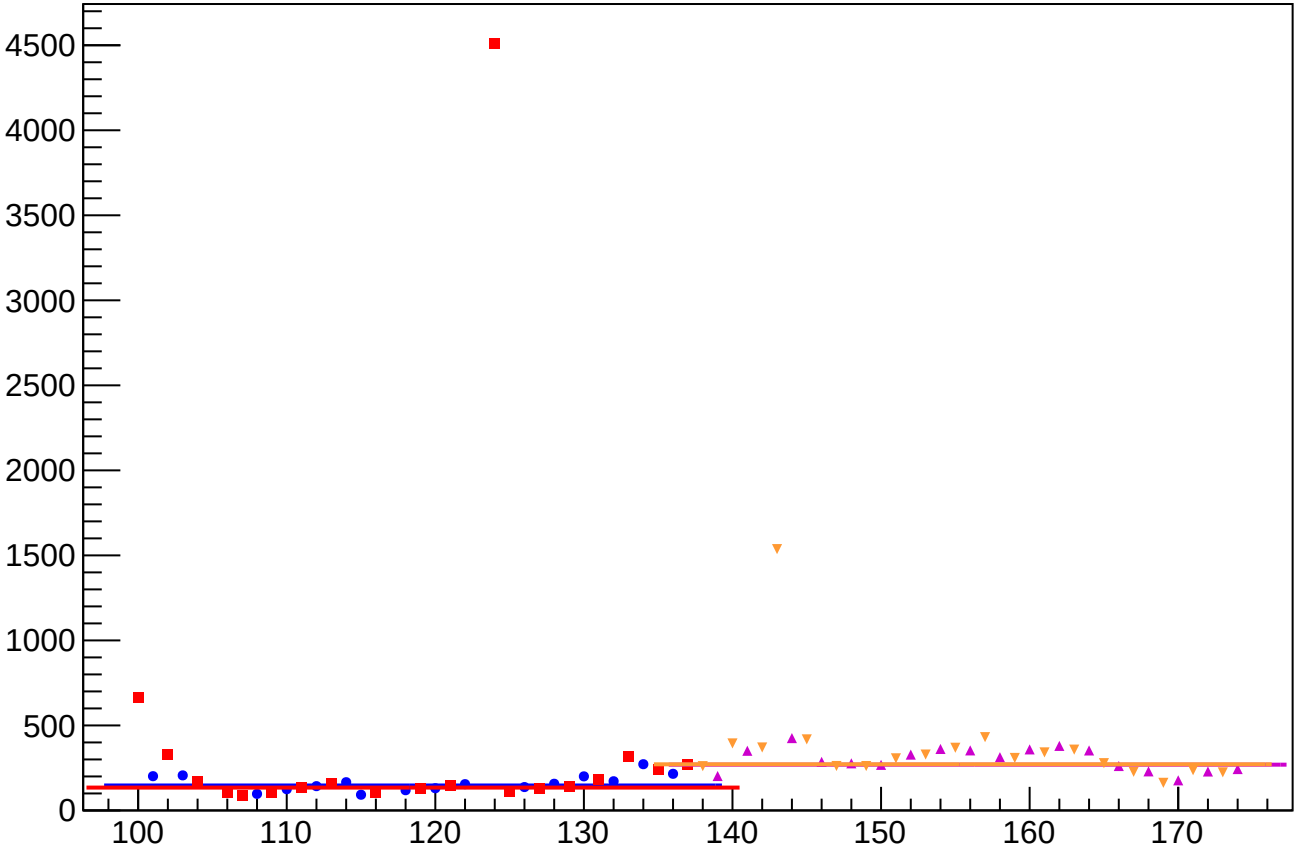
Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.024+/-0.046 χ^2/NDF: 33.7/34

All: 0.016+/-0.032 χ^2/NDF: 79.8/71

- 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: 271.419+/-0.053 χ^2/NDF:3010520.3/18

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

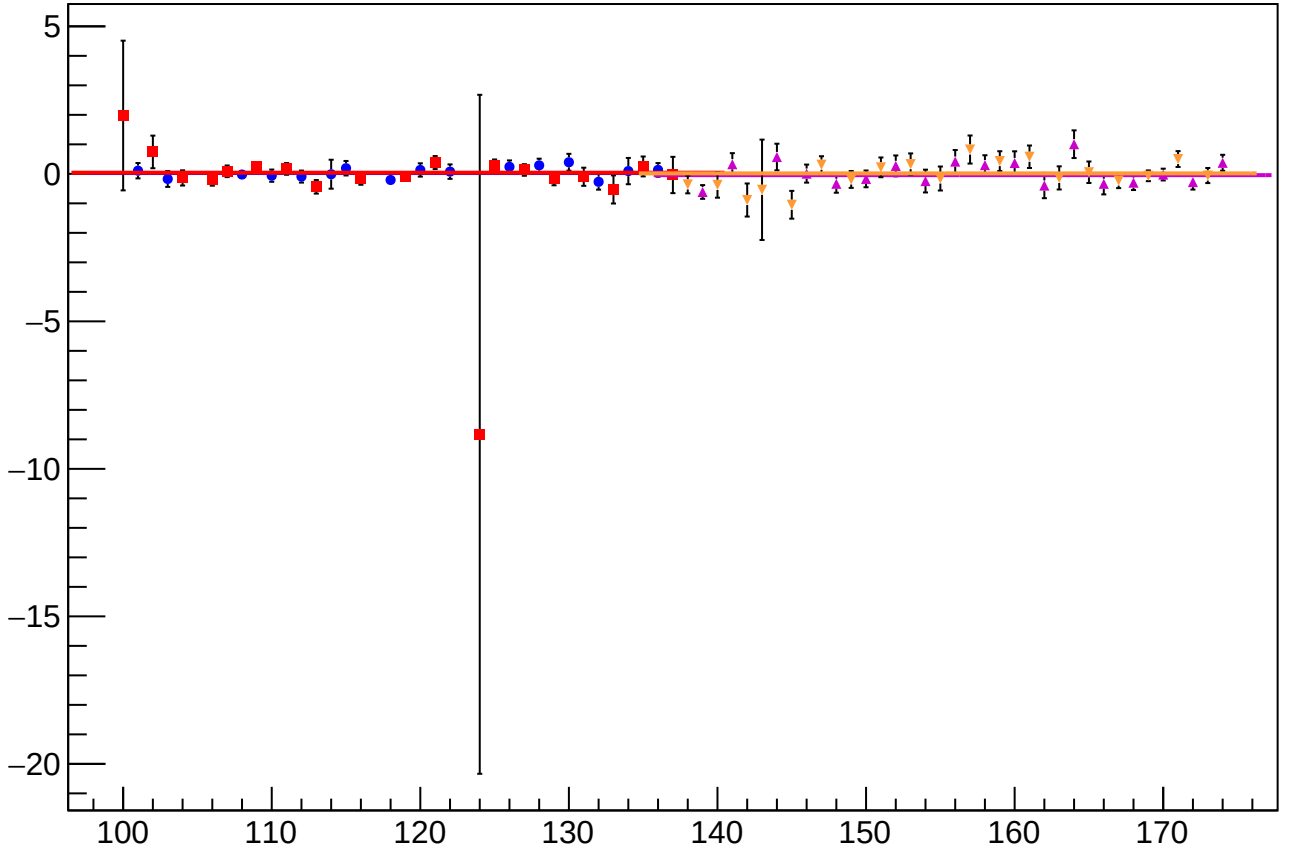
Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

+ sign 193.513+/-0.032 χ^2/NDF: 7502921.5/34

All: 188.160+/-0.022 χ^2/NDF: 15185143.9/71

- 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: 0.016+/-0.075 χ^2/NDF:24.2/18

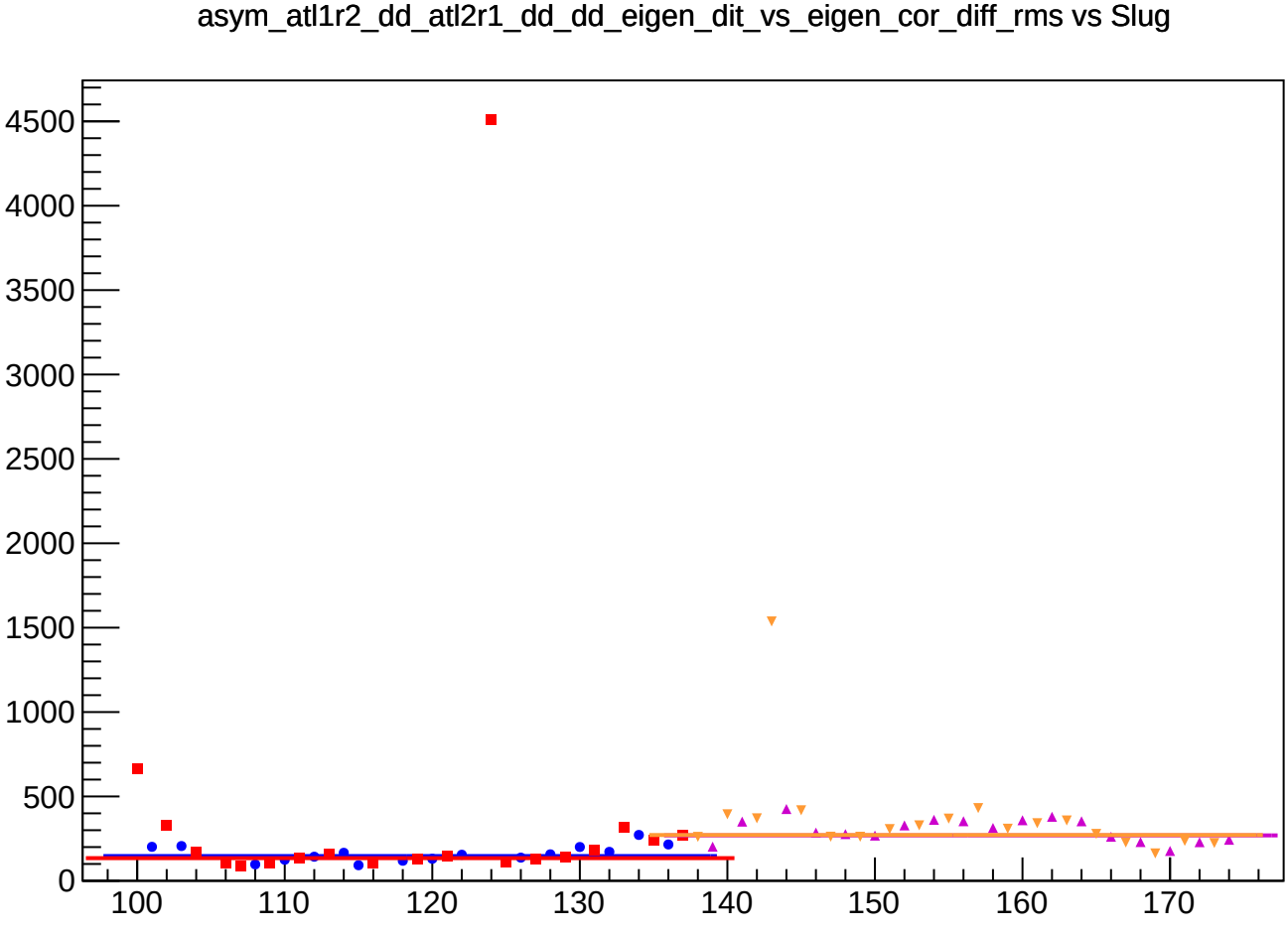
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.073 χ^2/NDF:25.2/17

+ sign 0.024+/-0.046 χ^2/NDF: 33.7/34

All: 0.016+/-0.032 χ^2/NDF: 79.8/71

- 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: 271.419+/-0.053 χ^2/NDF:3010520.3/18

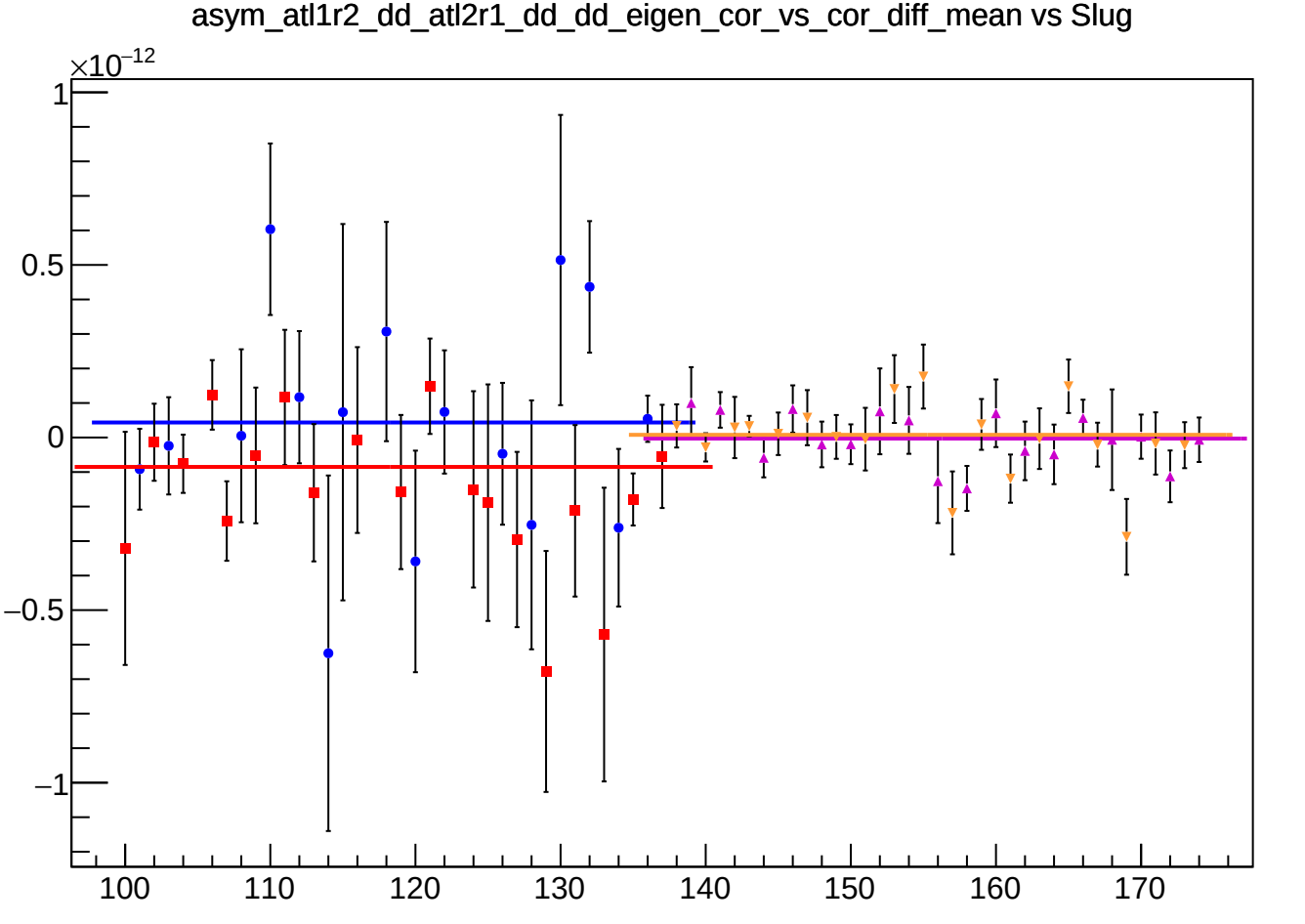
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

+ sign 193.513+/-0.032 χ^2/NDF: 7502921.5/34

All: 188.160+/-0.022 χ^2/NDF: 15185143.9/71

- 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:25.4/18

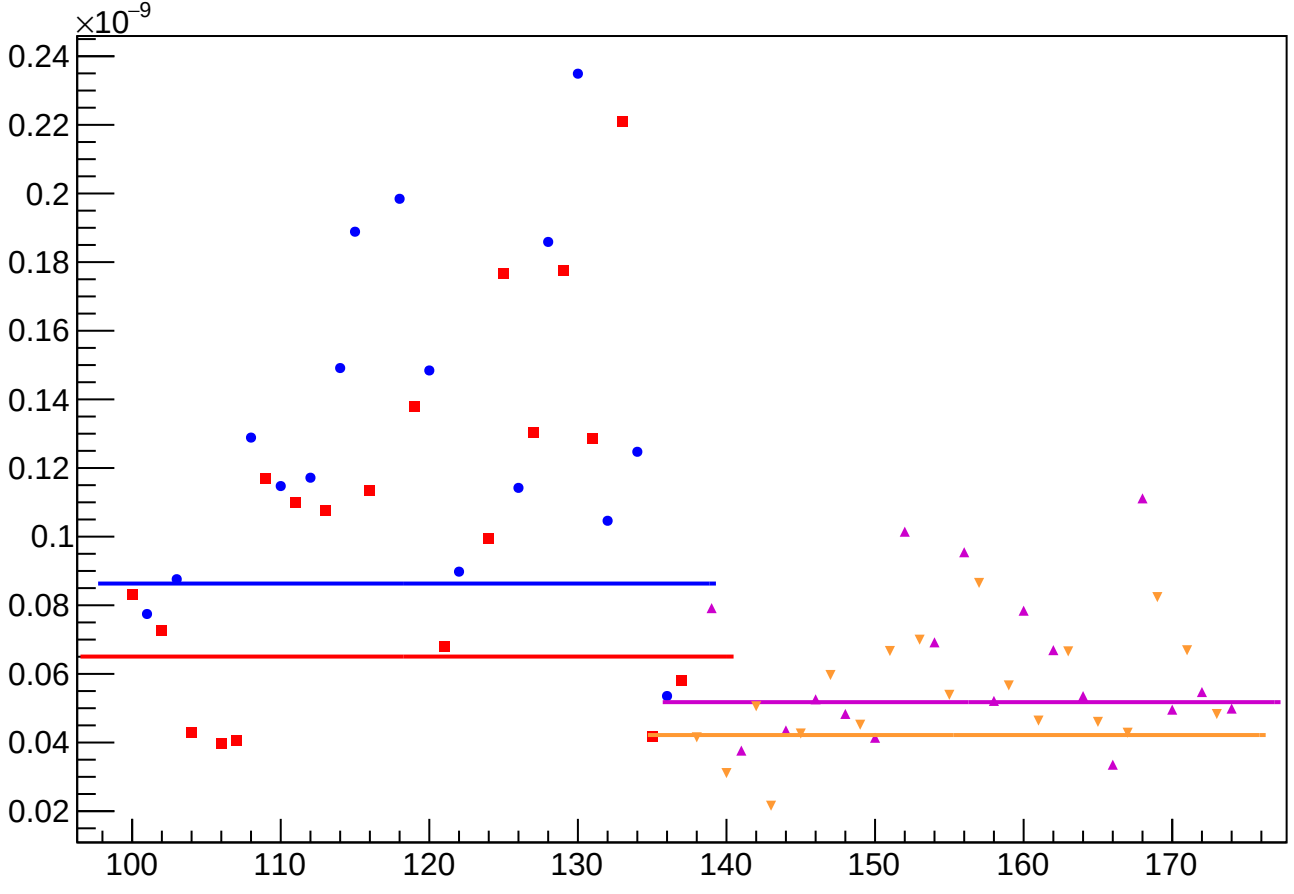
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 45.0/34

All: -0.000+/-0.000 χ^2/NDF: 87.4/71

- 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:2520796.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

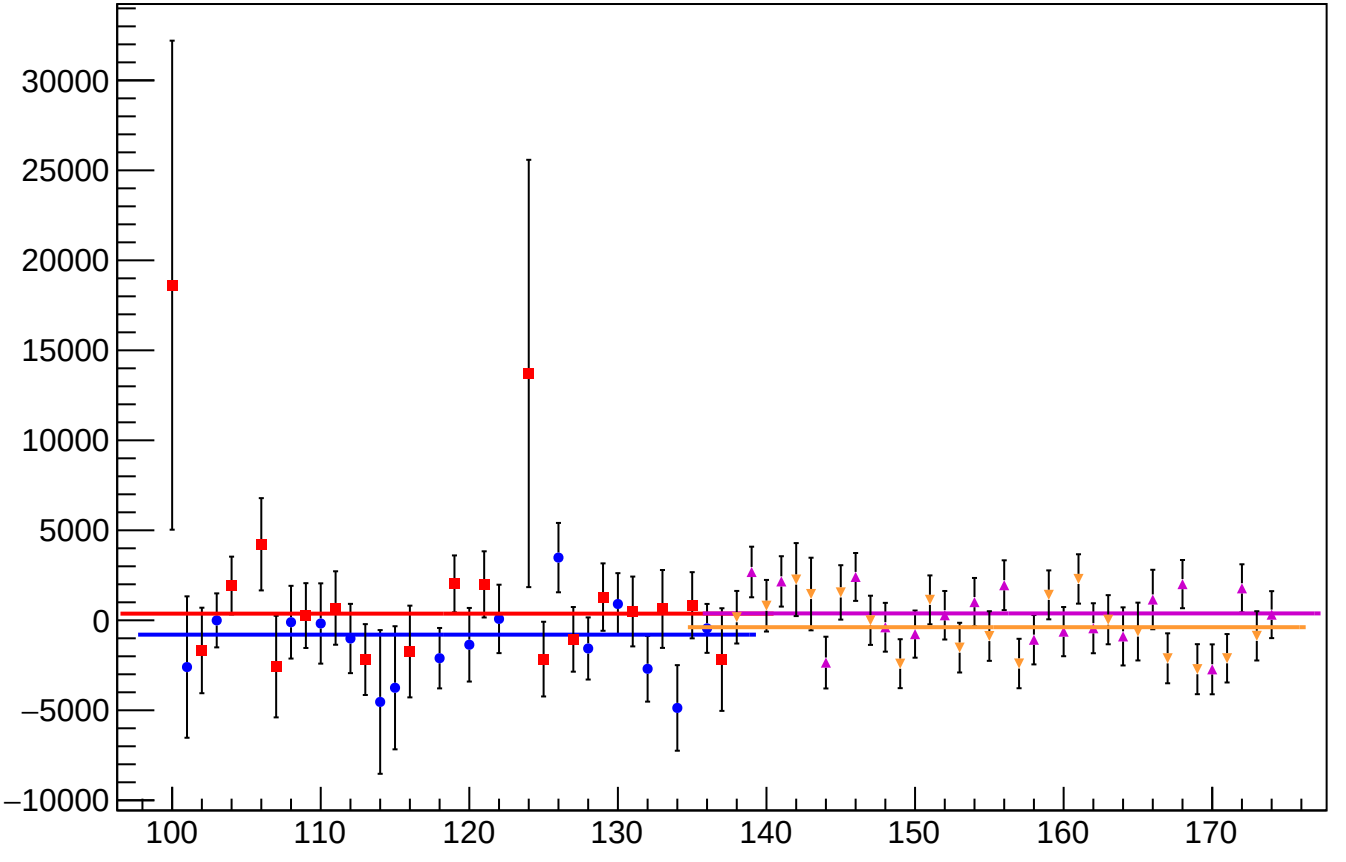
Left In: 0.000+/-0.000 χ^2/NDF:1834286.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 5992059.0/34

All: 0.000+/-0.000 χ^2/NDF: 10488774.5/71

- sign 0.000+/-0.000 χ^2/NDF: 4234532.2/36

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -382.913+/-329.647 χ^2/NDF:23.3/18

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

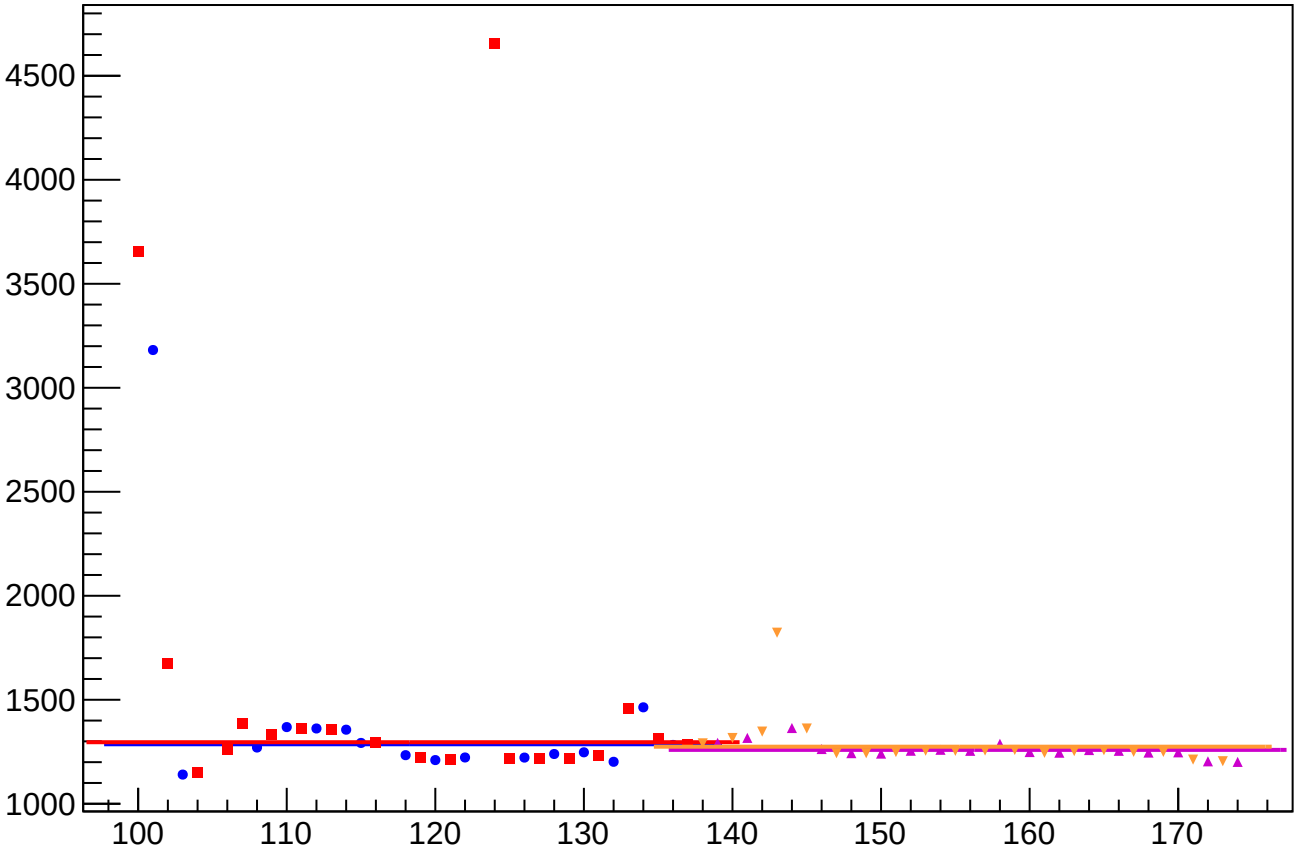
Left In: 382.635+/-326.503 χ^2/NDF:23.3/17

\+ sign -512.949+/-273.067 χ^2/NDF: 37.3/34

All: -63.718+/-192.349 χ^2/NDF: 81.5/71

\- 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: 1274.426+/-0.233 χ^2/NDF:175551.3/18

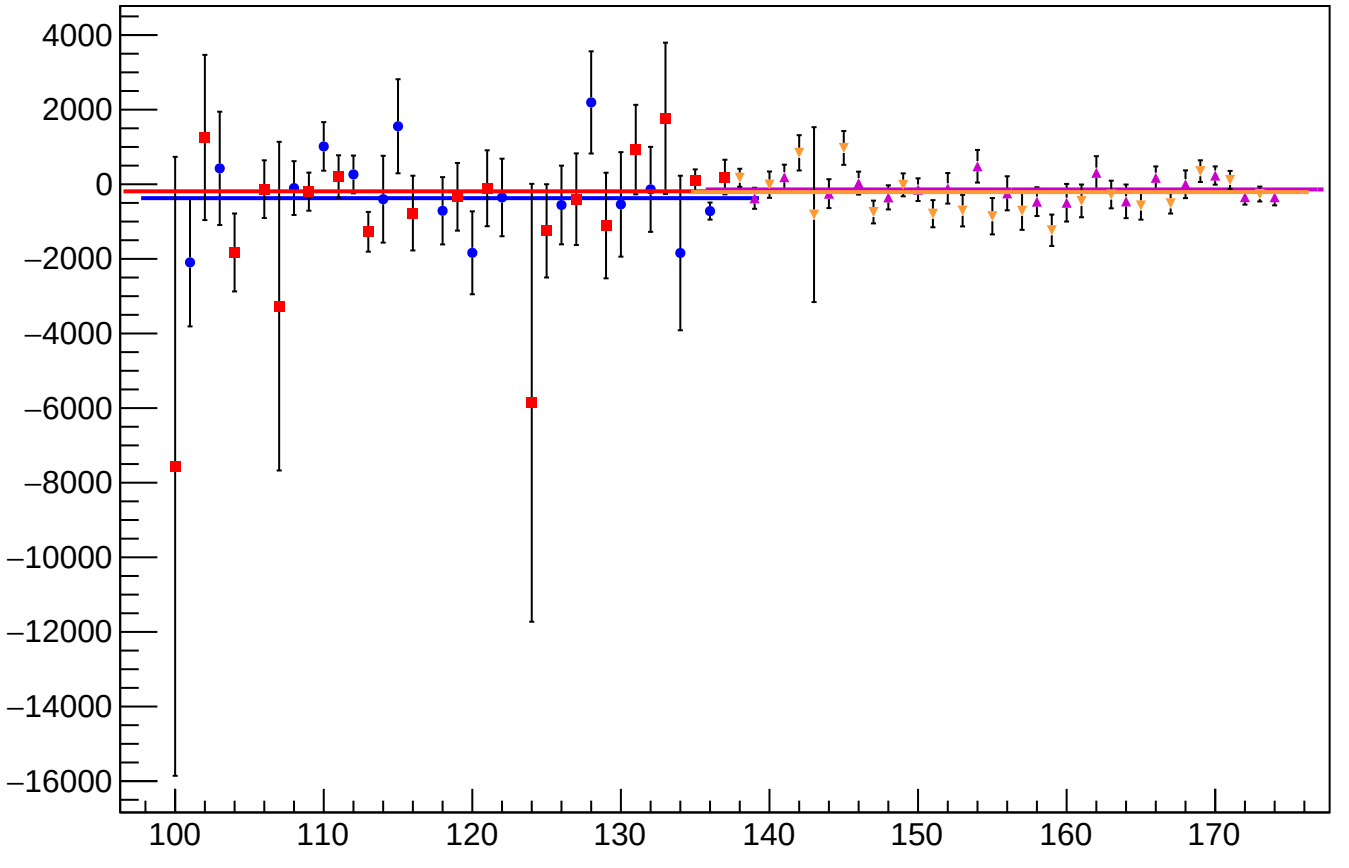
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

+ sign 1278.088+/-0.193 χ^2/NDF: 694465.0/34

All: 1274.277+/-0.136 χ^2/NDF: 1056080.3/71

- 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: -209.997+/-76.800 χ^2/NDF:38.7/18

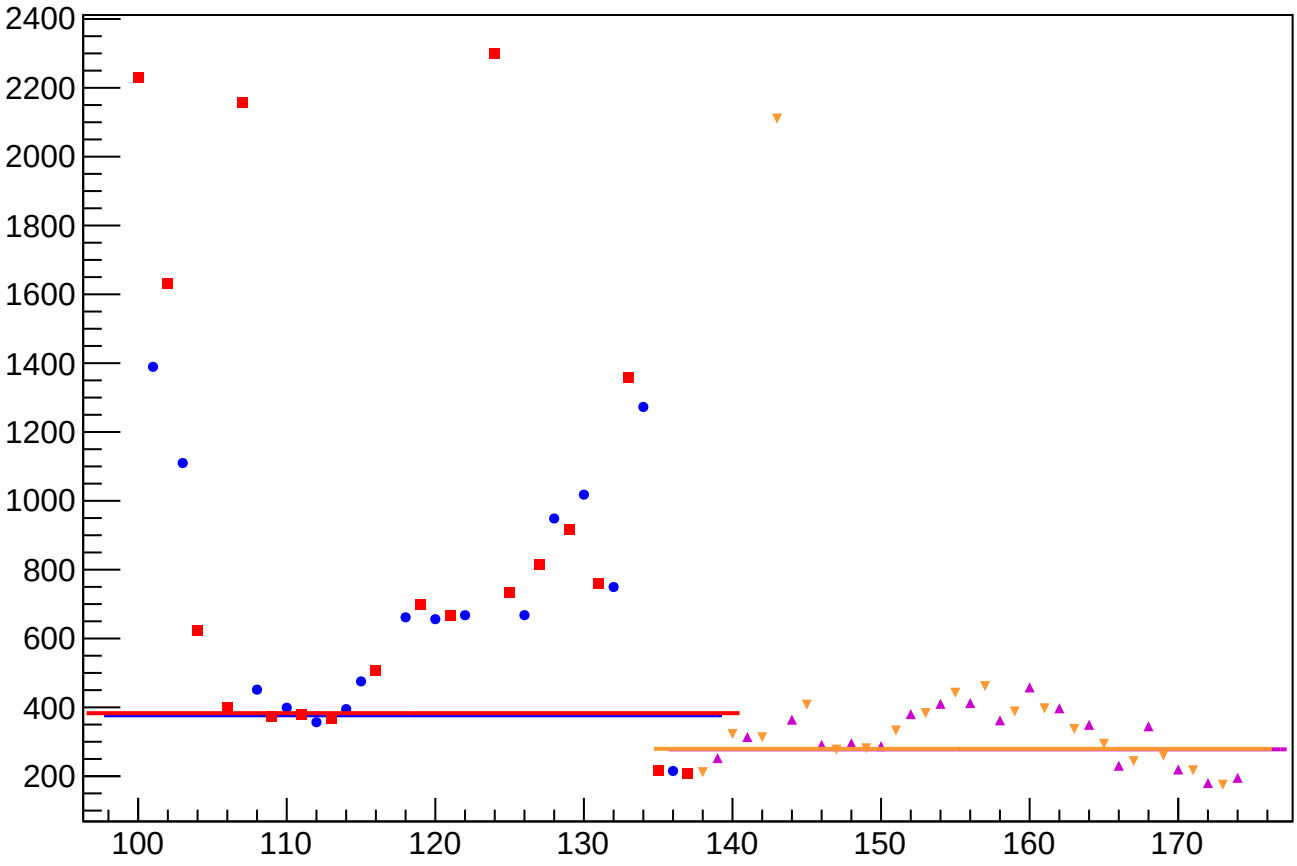
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -138.419+/-75.356 χ^2/NDF:12.8/17

\+ sign -238.000+/-69.862 χ^2/NDF: 57.7/34

All: -191.718+/-49.043 χ^2/NDF: 86.0/71

\- 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: 279.401+/-0.054 χ^2/NDF:3269761.7/18

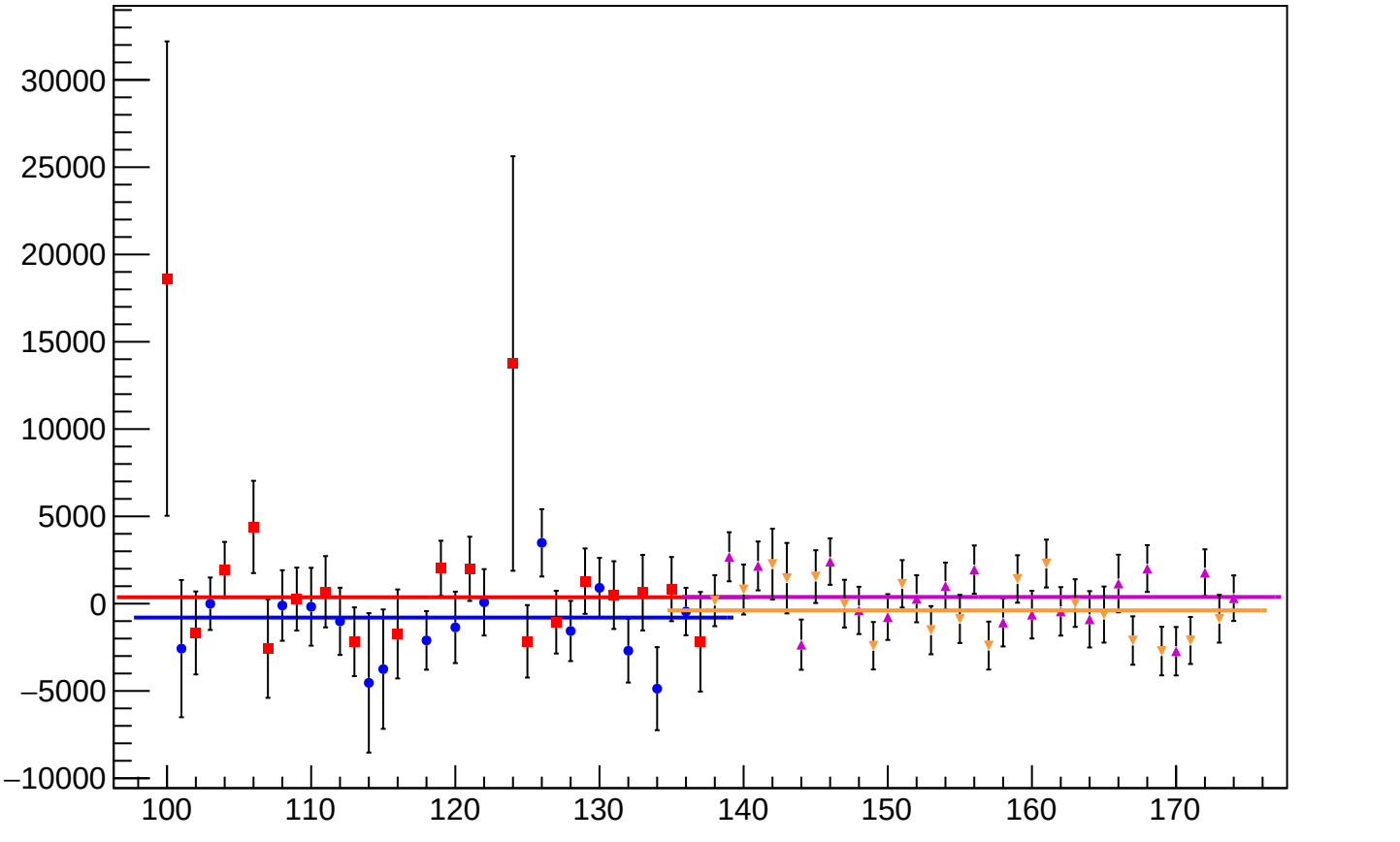
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 278.004+/-0.053 χ^2/NDF:2165381.0/17

+ sign 296.219+/-0.049 χ^2/NDF: 8015937.0/34

All: 295.769+/-0.035 χ^2/NDF: 14876802.3/71

- 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: -382.858+/-329.647 χ^2/NDF:23.3/18

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

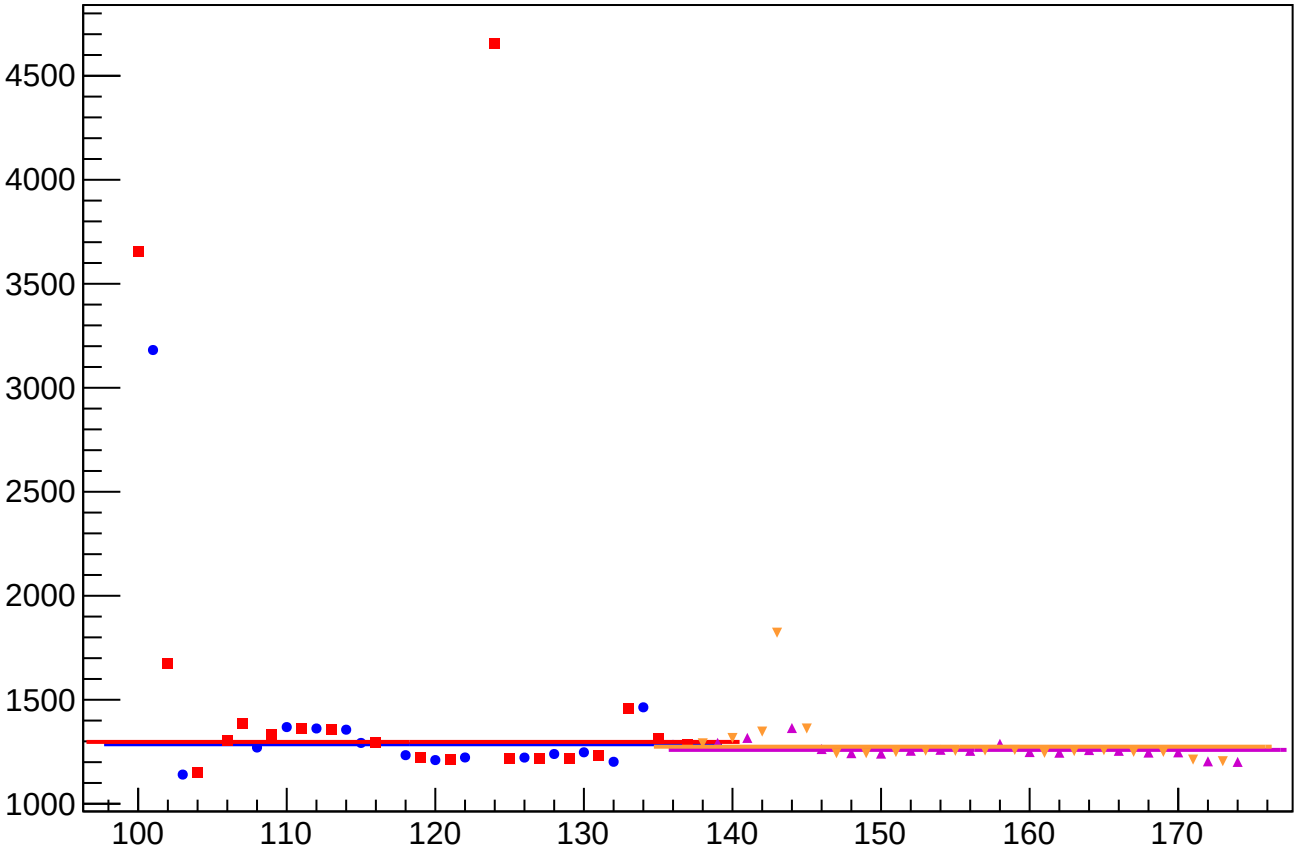
Left In: 382.583+/-326.503 χ^2/NDF:23.3/17

\+ sign -512.785+/-273.067 χ^2/NDF: 37.3/34

All: -64.197+/-192.382 χ^2/NDF: 81.6/71

\- 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: 1274.426+/-0.233 χ^2/NDF:175551.3/18

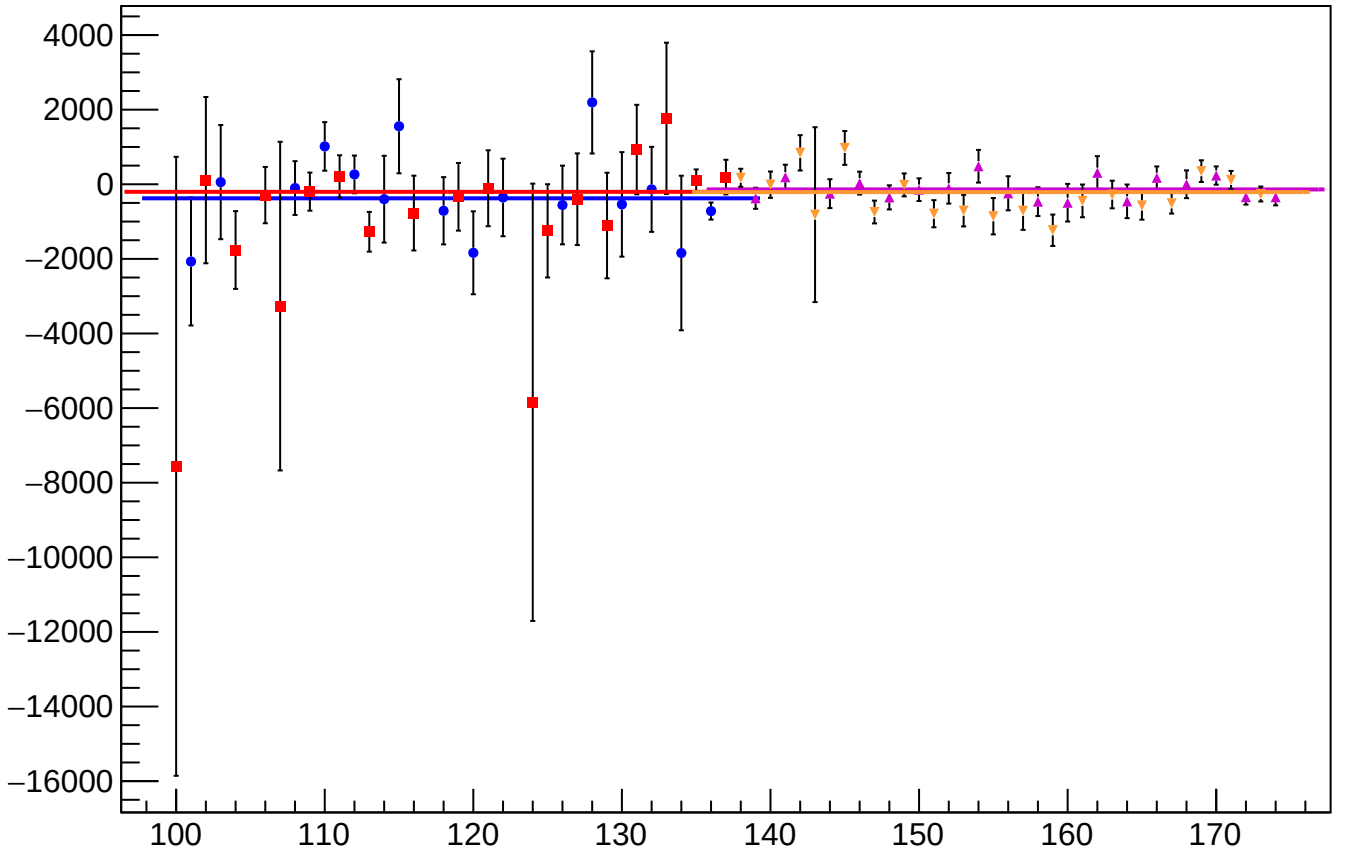
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

+ sign 1278.088+/-0.193 χ^2/NDF: 694466.4/34

All: 1274.497+/-0.136 χ^2/NDF: 1056291.8/71

- 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: -209.973+/-76.802 χ^2/NDF:38.7/18

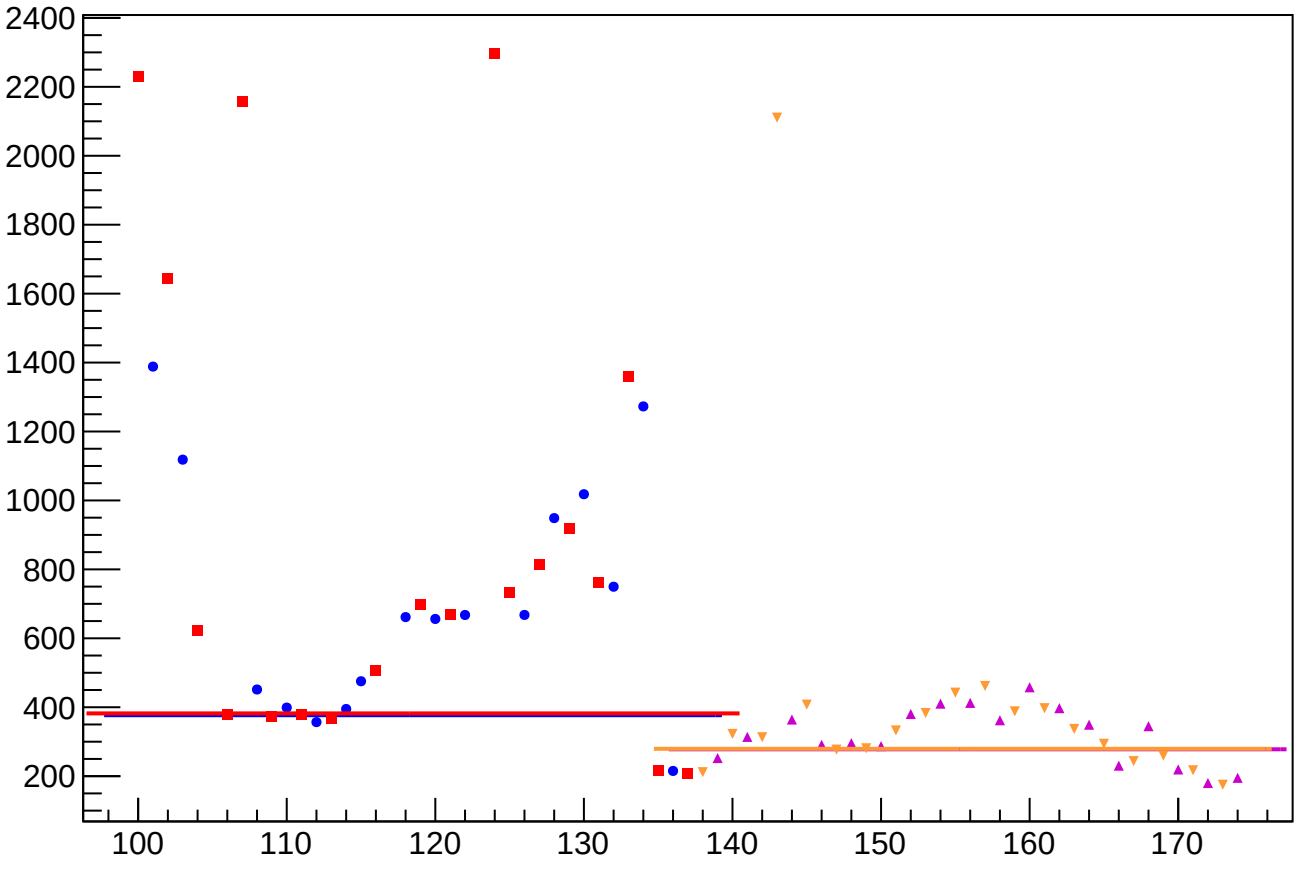
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -138.492+/-75.357 χ^2/NDF:12.8/17

+ sign -238.743+/-69.865 χ^2/NDF: 57.5/34

All: -193.220+/-49.039 χ^2/NDF: 85.2/71

- 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: 279.410+/-0.054 χ^2/NDF:3269537.0/18

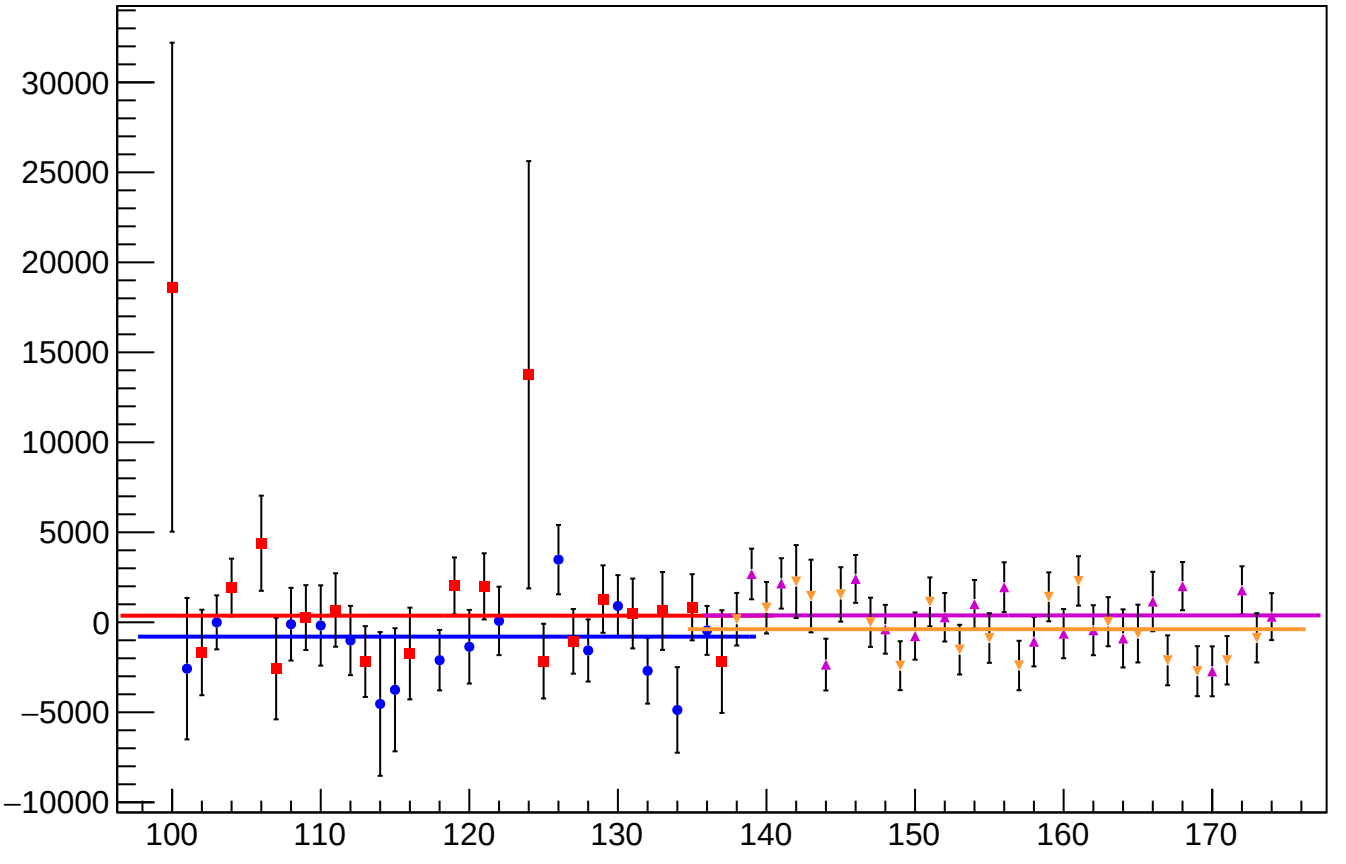
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.011+/-0.053 χ^2/NDF:2165200.3/17

+ sign 296.223+/-0.049 χ^2/NDF: 8018524.5/34

All: 295.712+/-0.035 χ^2/NDF: 14874486.3/71

- 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: -382.858+/-329.647 χ^2/NDF:23.3/18

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

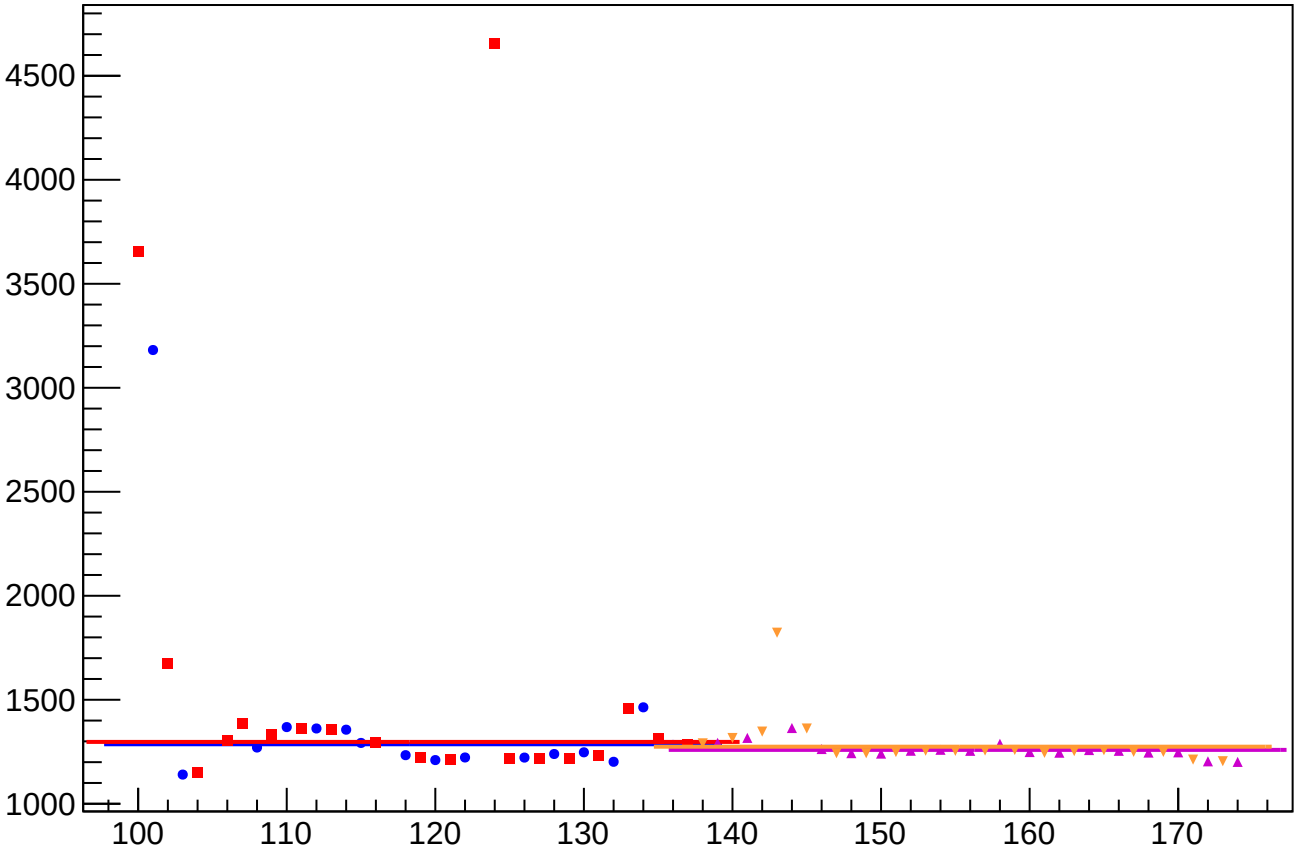
Left In: 382.583+/-326.503 χ^2/NDF:23.3/17

\+ sign -512.785+/-273.067 χ^2/NDF: 37.3/34

All: -64.197+/-192.382 χ^2/NDF: 81.6/71

\- 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: 1274.426+/-0.233 χ^2/NDF:175551.3/18

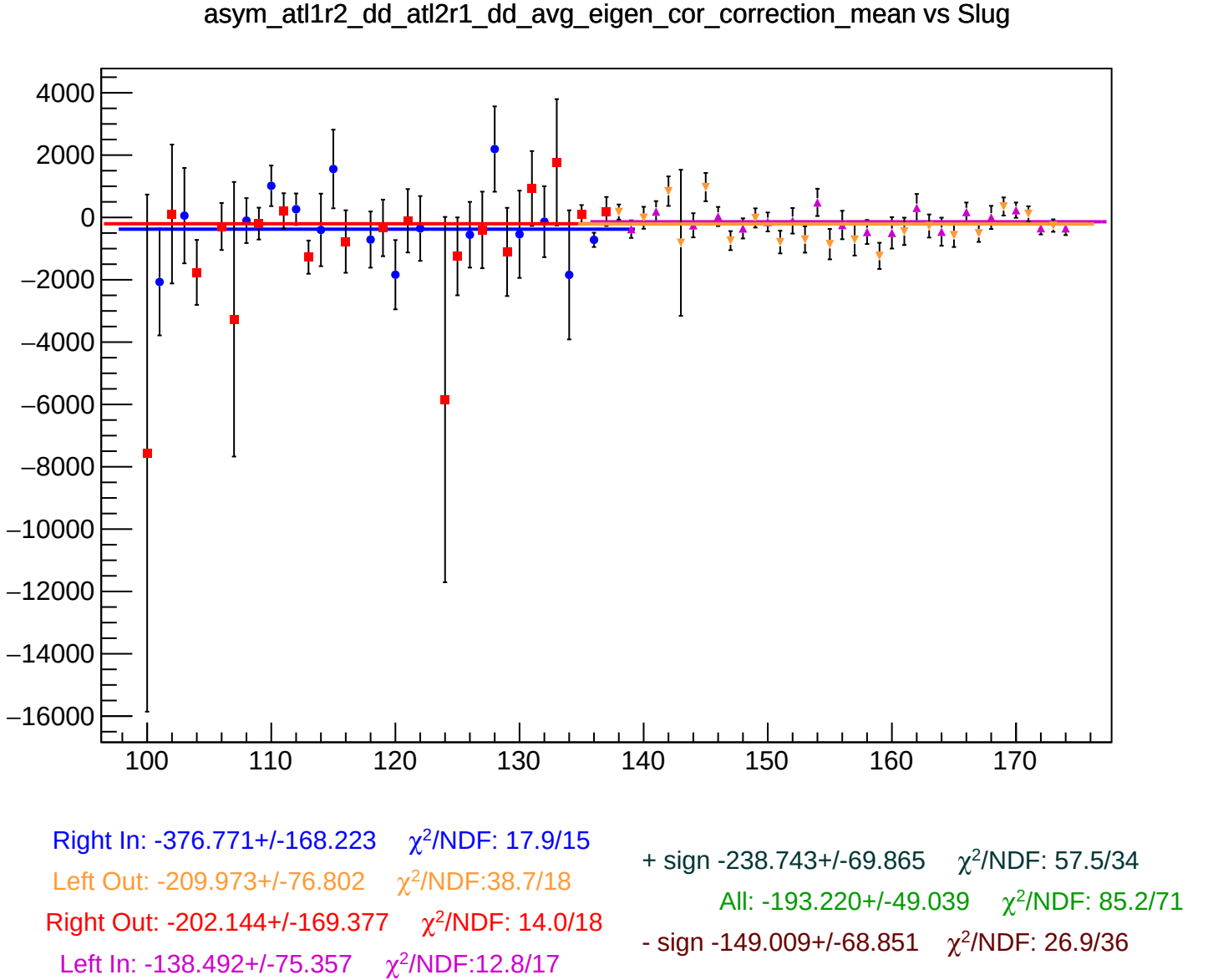
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

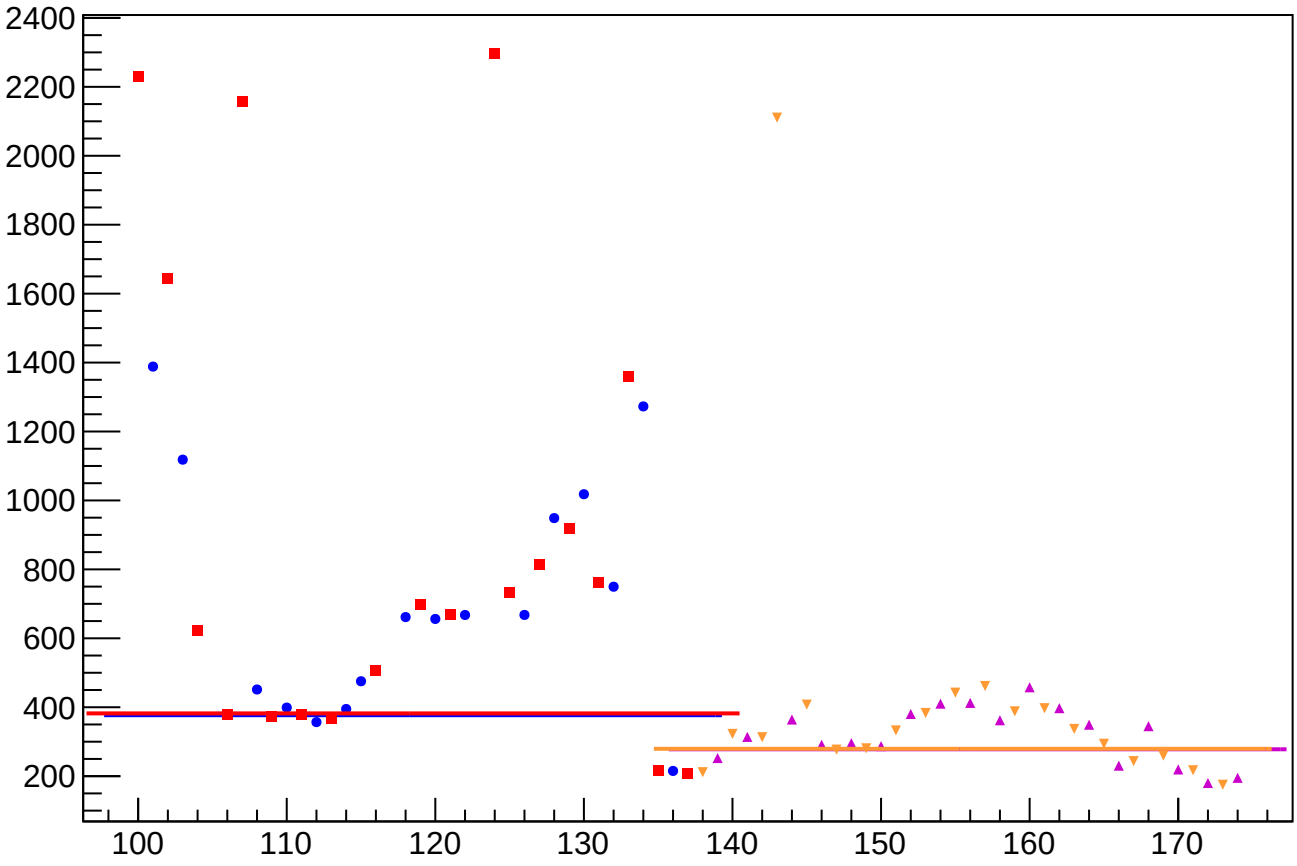
+ sign 1278.088+/-0.193 χ^2/NDF: 694466.4/34

All: 1274.497+/-0.136 χ^2/NDF: 1056291.8/71

- 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: -209.973+/-76.802 χ²/NDF:38.7/18
Right Out: -202.144+/-169.377 χ²/NDF: 14.0/18
Left In: -138.492+/-75.357 χ²/NDF:12.8/17
+ sign -238.743+/-69.865 χ²/NDF: 57.5/34
All: -193.220+/-49.039 χ²/NDF: 85.2/71
- sign -149.009+/-68.851 χ²/NDF: 26.9/36

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 279.410+/-0.054 χ^2/NDF:3269537.0/18

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

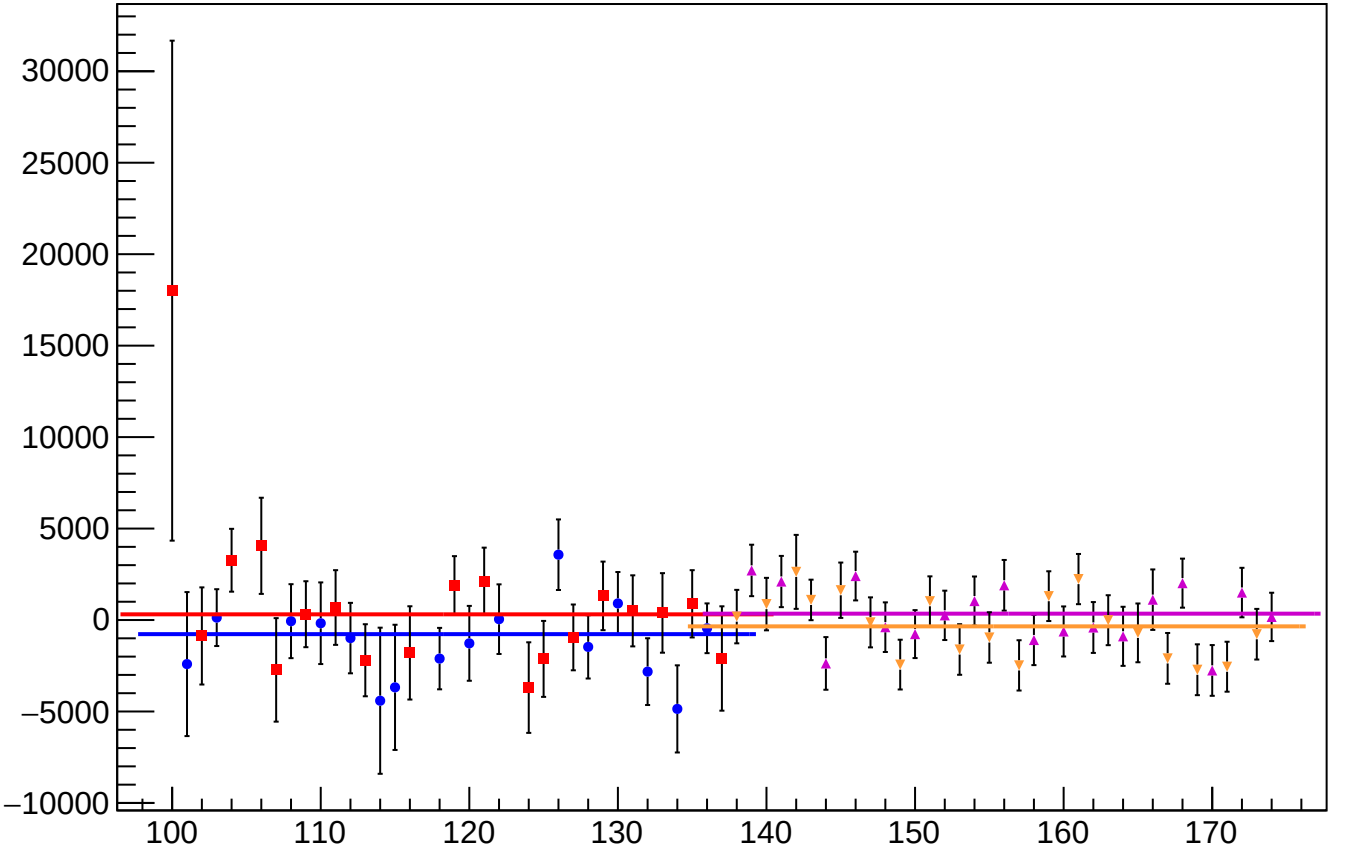
Left In: 278.011+/-0.053 χ^2/NDF:2165200.3/17

+ sign 296.223+/-0.049 χ^2/NDF: 8018524.5/34

All: 295.712+/-0.035 χ^2/NDF: 14874486.3/71

- 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: -346.383+/-320.500 χ^2/NDF:25.6/18

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

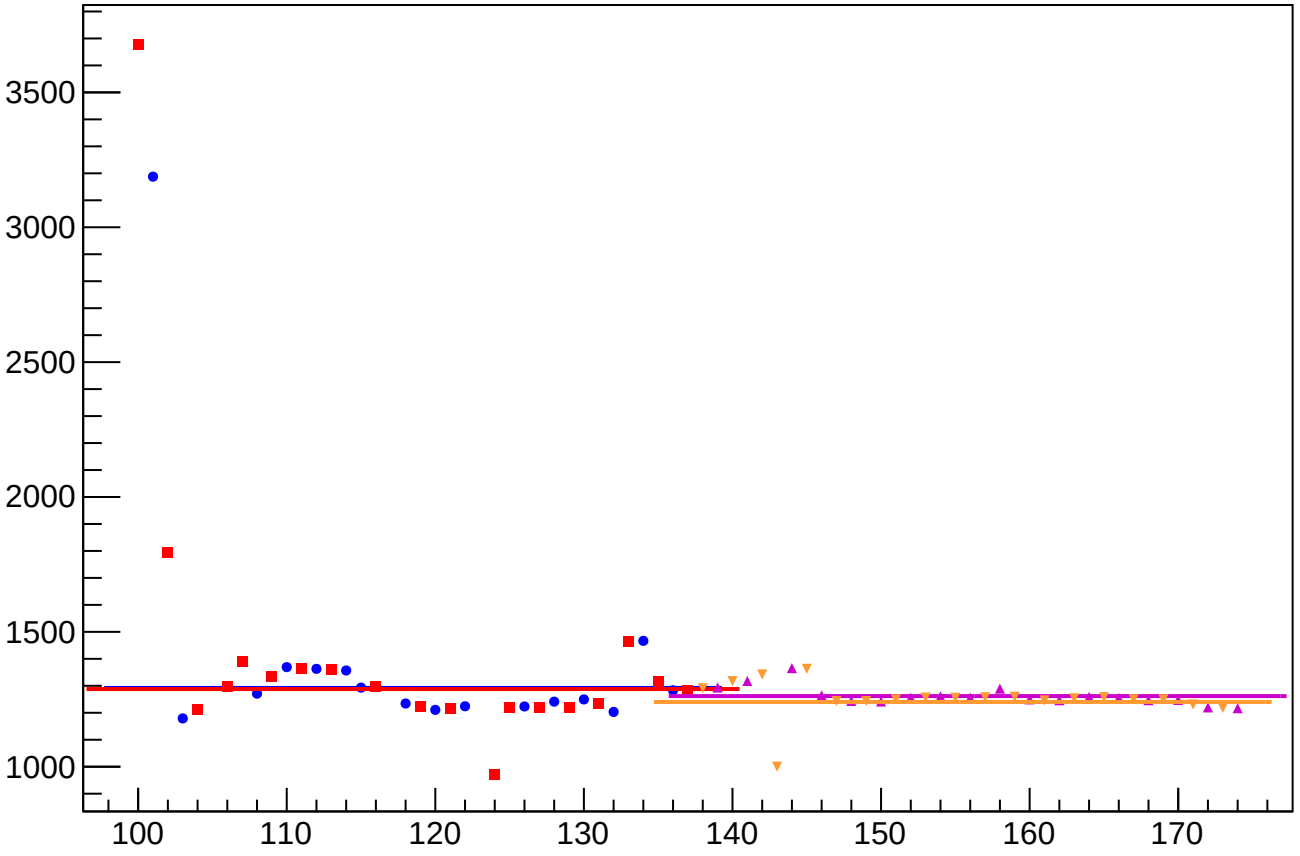
Left In: 347.668+/-327.223 χ^2/NDF:22.9/17

+ sign -473.907+/-268.155 χ^2/NDF: 39.7/34

All: -72.868+/-190.557 χ^2/NDF: 85.1/71

- 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: 1240.137+/-0.227 χ^2/NDF:122947.8/18

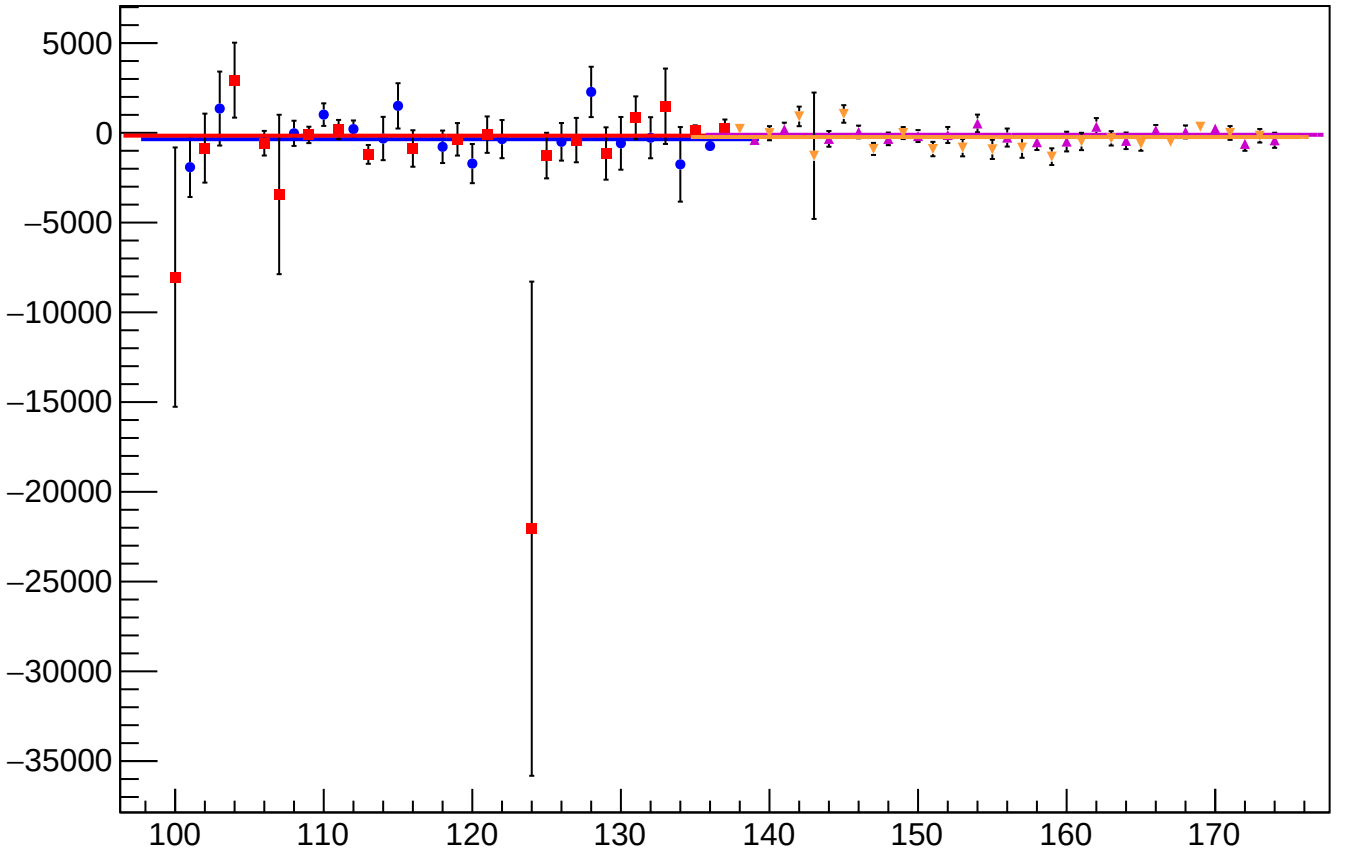
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.887+/-0.231 χ^2/NDF:21446.4/17

+ sign 1255.706+/-0.190 χ^2/NDF: 648086.7/34

All: 1262.835+/-0.135 χ^2/NDF: 885604.2/71

- 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: -234.611+/-88.044 χ^2/NDF:38.9/18

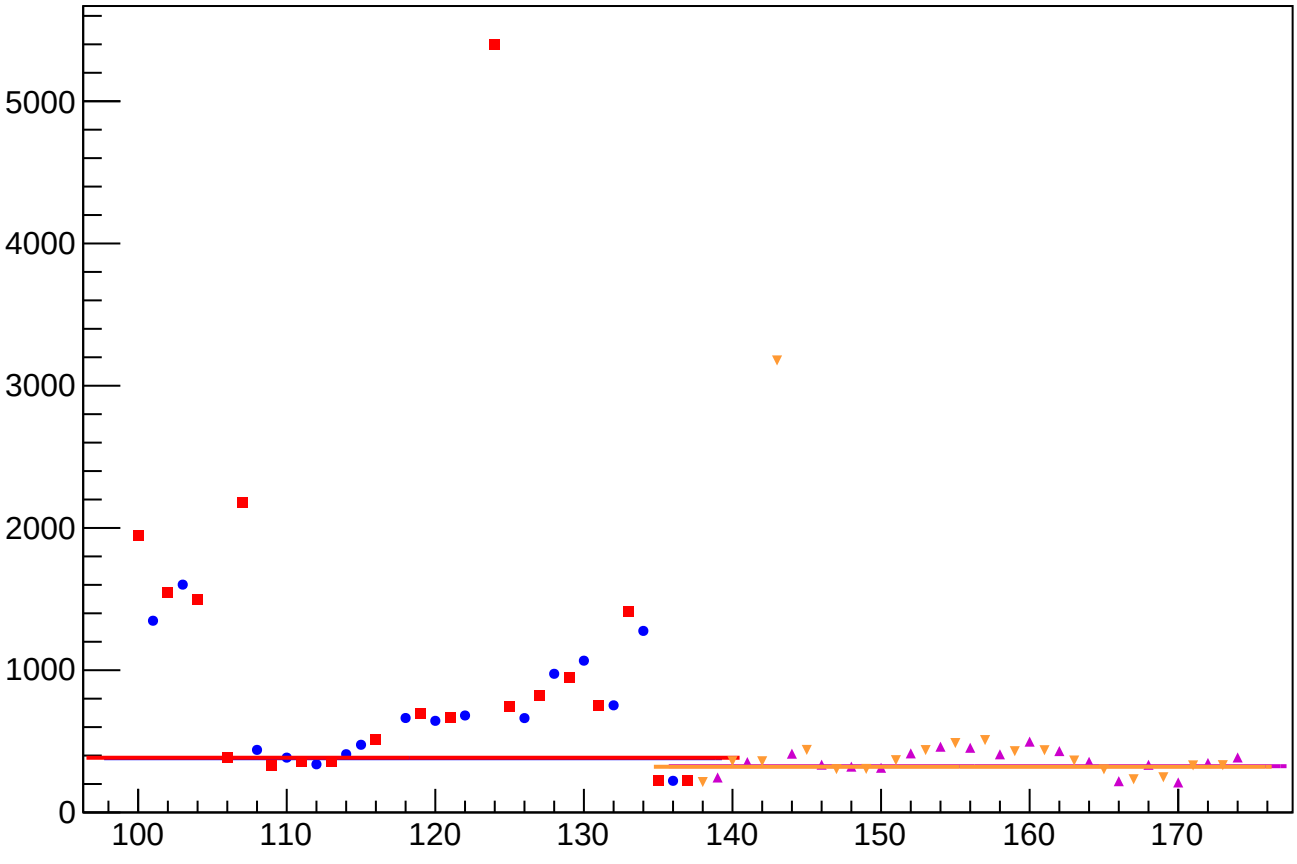
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -109.070+/-87.398 χ^2/NDF:12.4/17

\+ sign -260.128+/-78.178 χ^2/NDF: 57.8/34

All: -189.285+/-55.109 χ^2/NDF: 87.7/71

\- 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: 321.261+/-0.062 χ^2/NDF:3046274.4/18

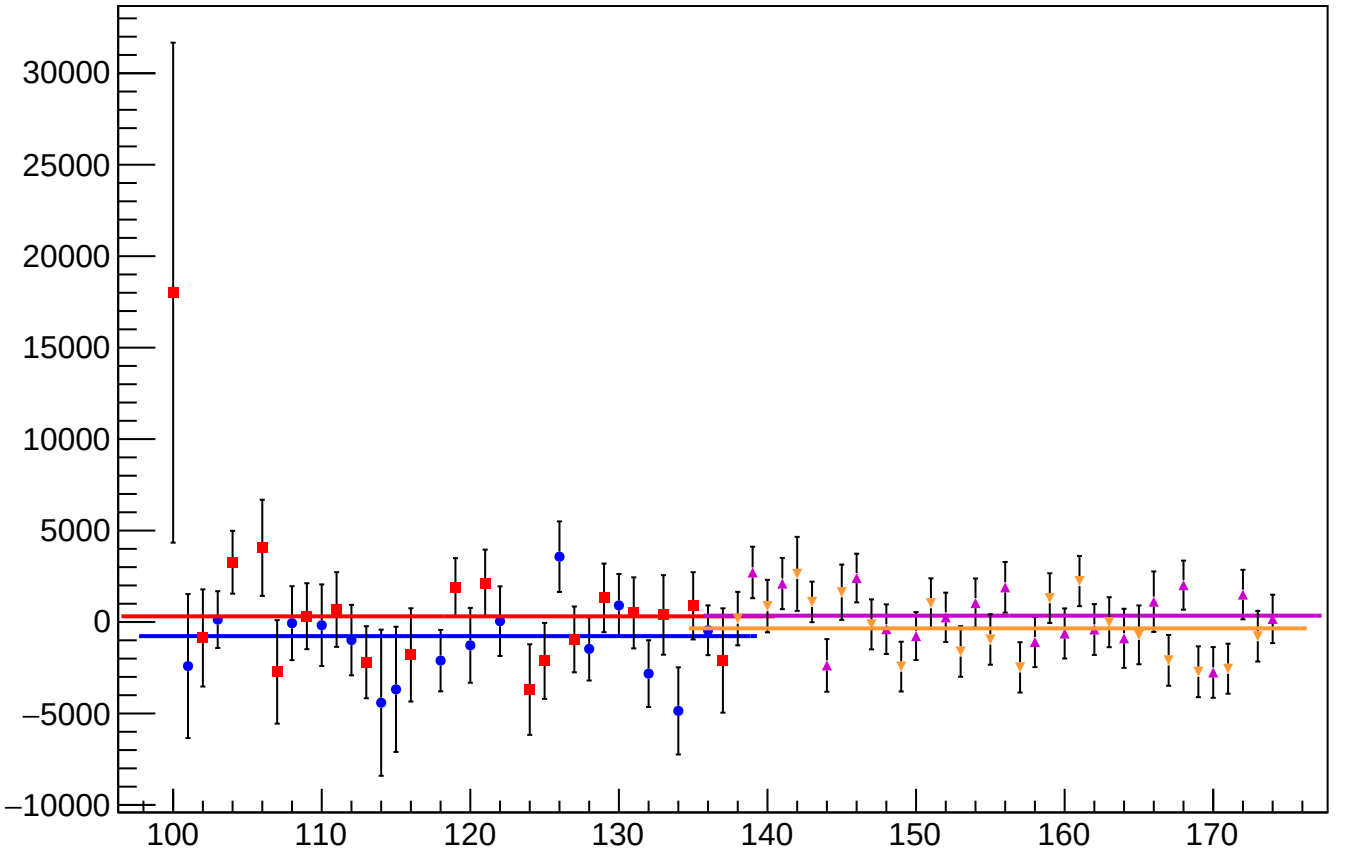
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 325.253+/-0.062 χ^2/NDF:1793354.0/17

+ sign 333.973+/-0.055 χ^2/NDF: 7561271.2/34

All: 335.853+/-0.039 χ^2/NDF: 14110849.4/71

- 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: -346.382+/-320.500 χ^2/NDF:25.6/18

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

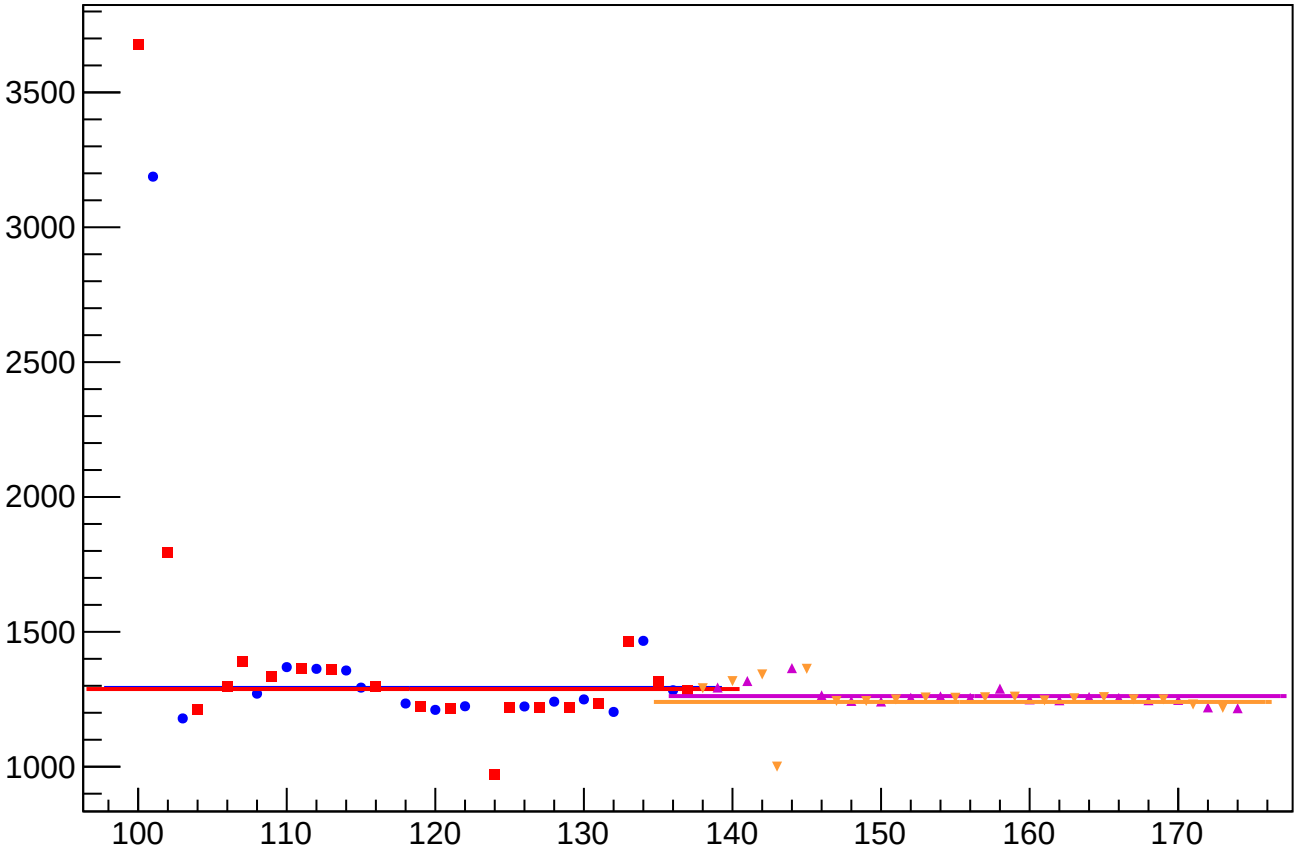
Left In: 347.668+/-327.223 χ^2/NDF:22.9/17

\+ sign -473.907+/-268.155 χ^2/NDF: 39.7/34

All: -72.868+/-190.557 χ^2/NDF: 85.1/71

\- sign 336.253+/-270.843 χ^2/NDF: 40.8/36

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.137+/-0.227 χ^2/NDF:122947.0/18

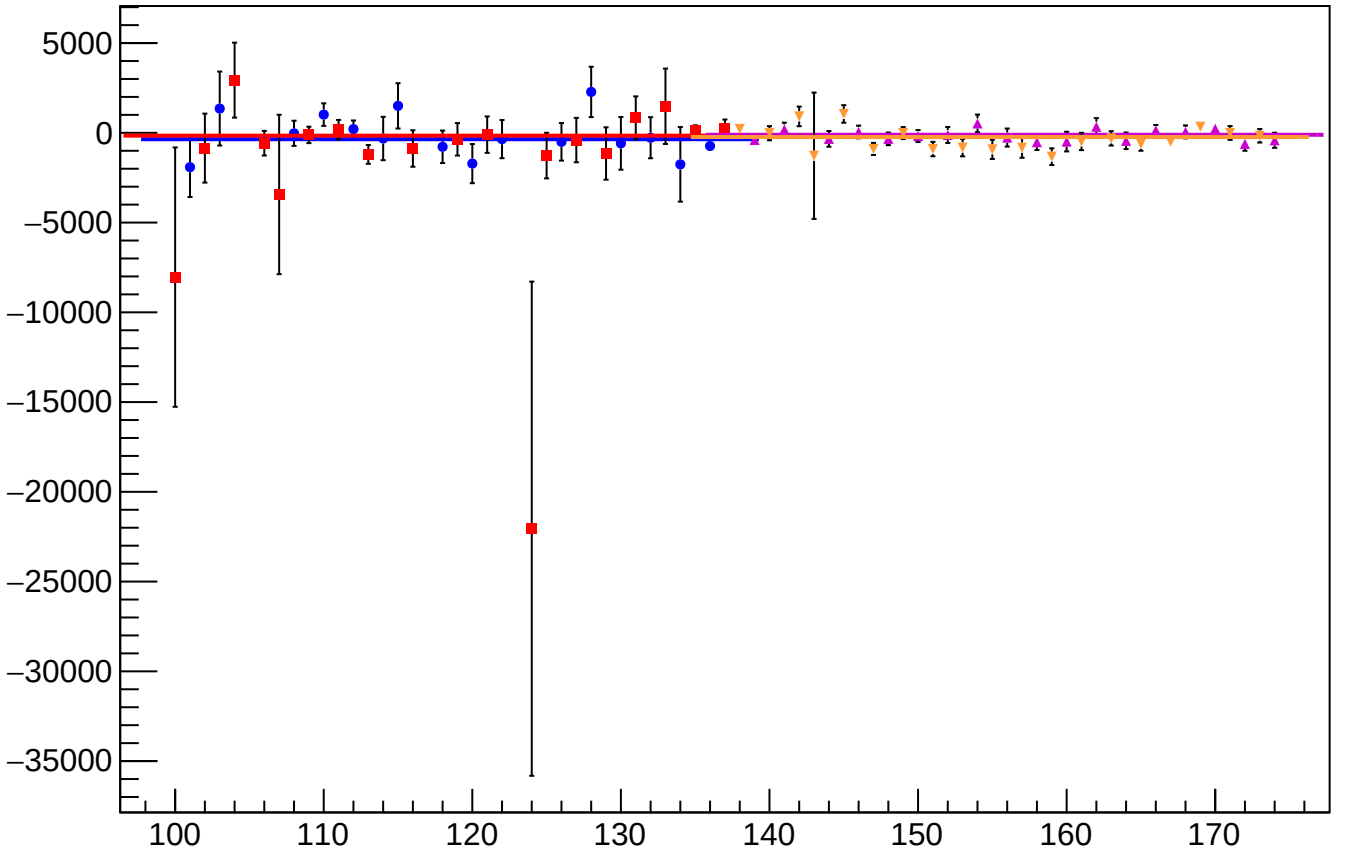
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.887+/-0.231 χ^2/NDF:21446.5/17

+ sign 1255.706+/-0.190 χ^2/NDF: 648085.8/34

All: 1262.835+/-0.135 χ^2/NDF: 885603.8/71

- 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: -234.618+/-88.045 χ^2/NDF:38.9/18

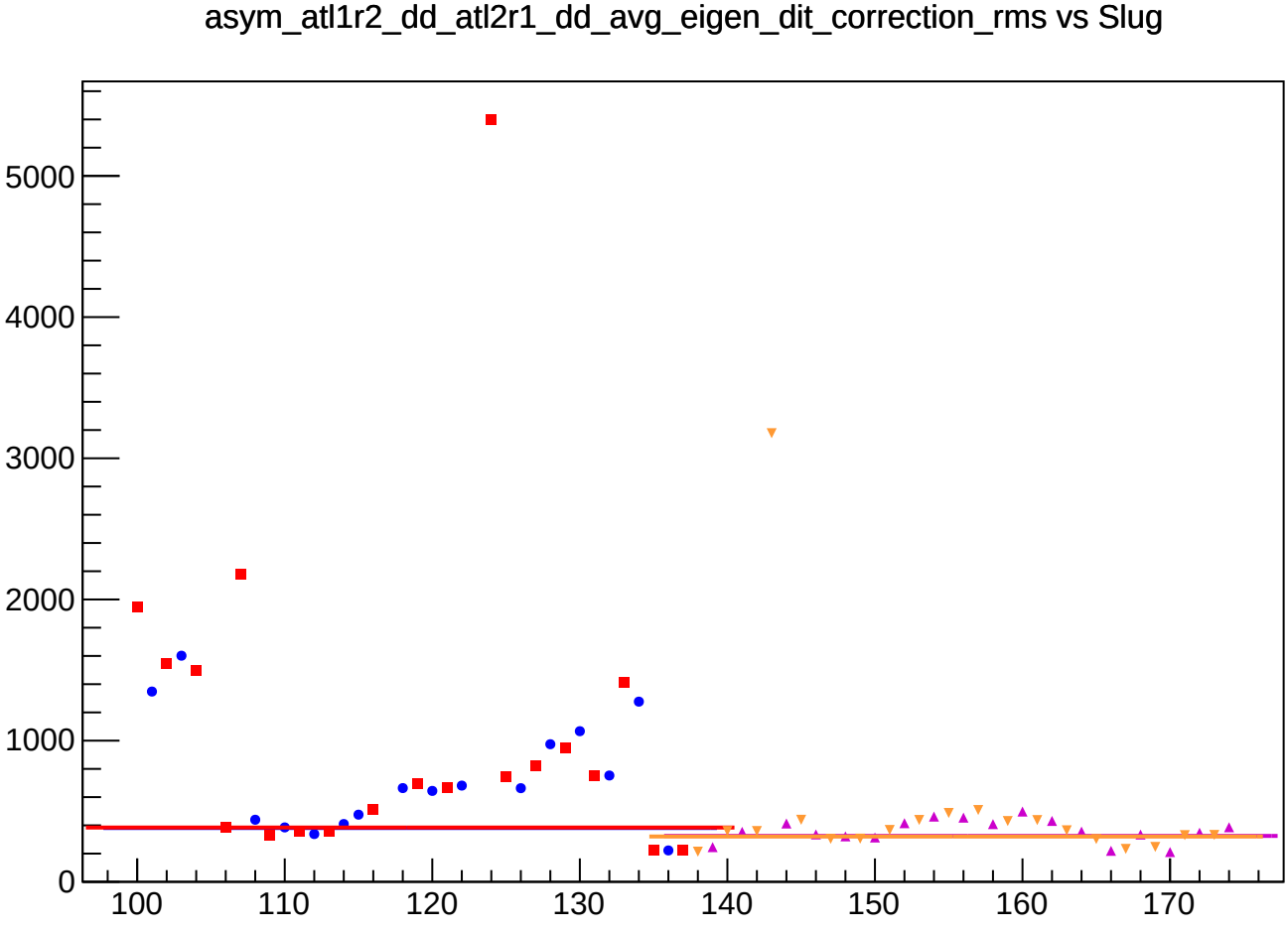
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -109.068+/-87.398 χ^2/NDF:12.4/17

+ sign -260.133+/-78.179 χ^2/NDF: 57.8/34

All: -189.287+/-55.109 χ^2/NDF: 87.7/71

- 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: 321.264+/-0.062 χ^2/NDF:3046148.3/18

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

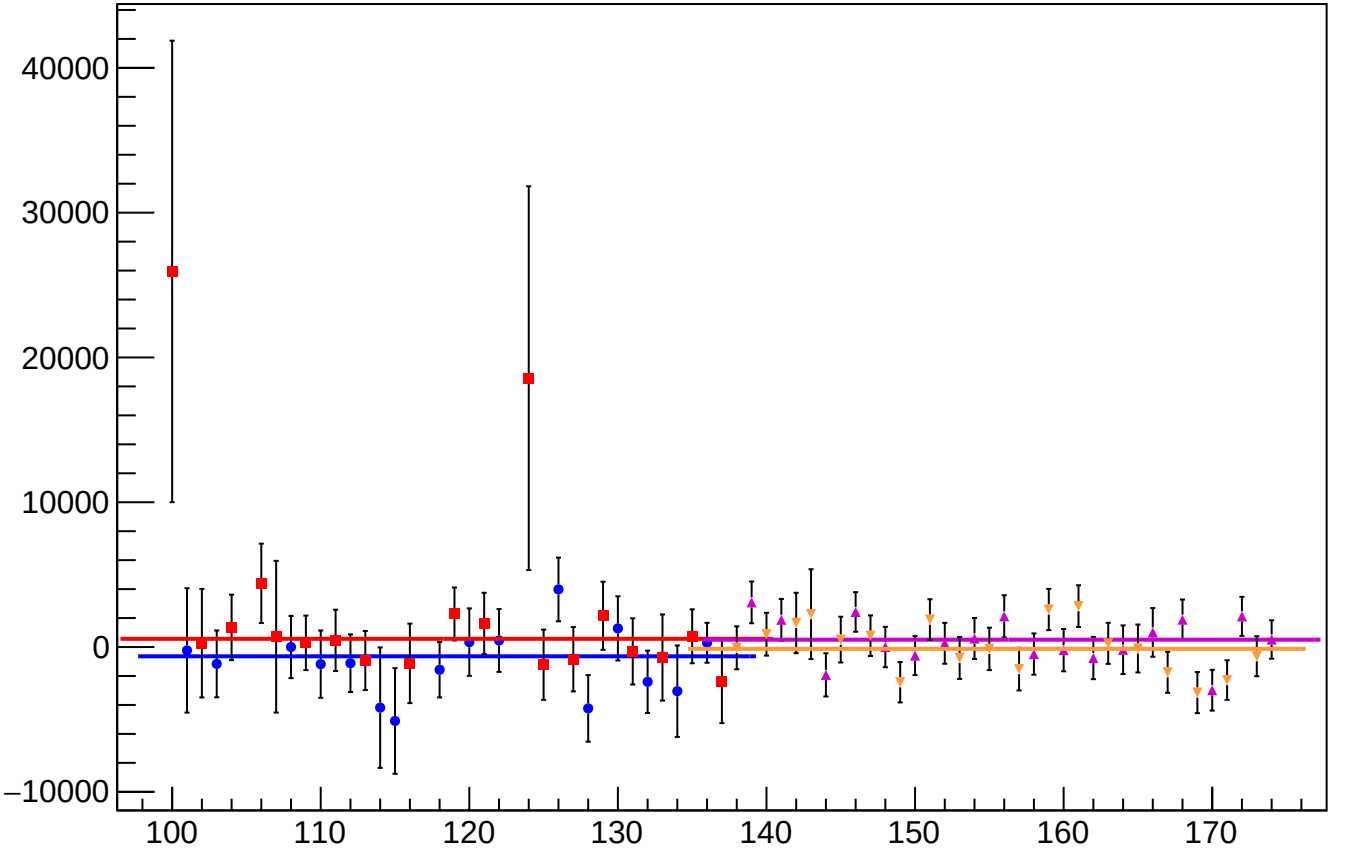
Left In: 325.255+/-0.062 χ^2/NDF:1793288.1/17

+ sign 333.977+/-0.055 χ^2/NDF: 7561003.1/34

All: 335.856+/-0.039 χ^2/NDF: 14110411.4/71

- 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: -125.697+/-343.650 χ^2/NDF:24.6/18

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

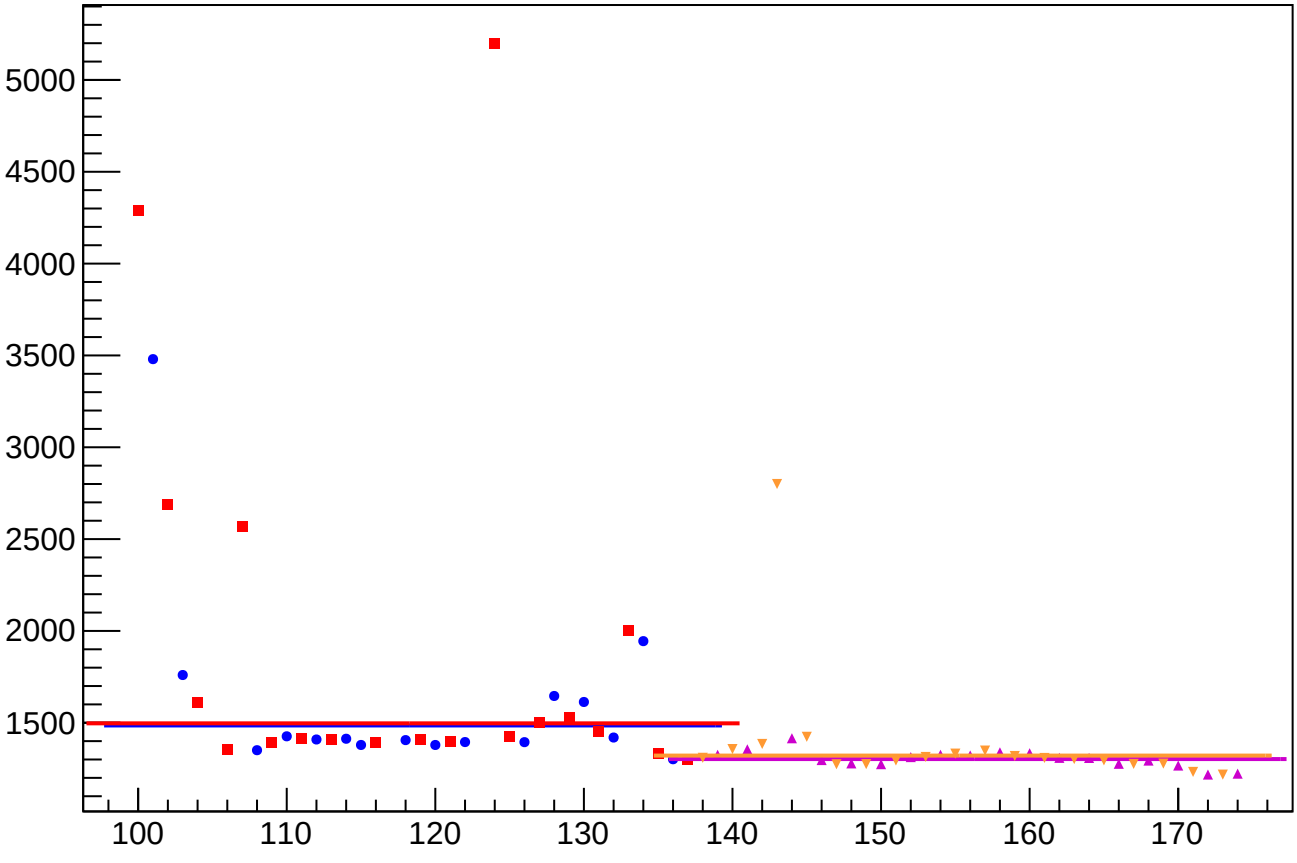
Left In: 507.426+/-337.810 χ^2/NDF:21.1/17

+ sign -265.031+/-293.517 χ^2/NDF: 37.7/34

All: 133.547+/-206.357 χ^2/NDF: 73.7/71

- 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: 1321.317+/-0.243 χ^2/NDF:496388.0/18

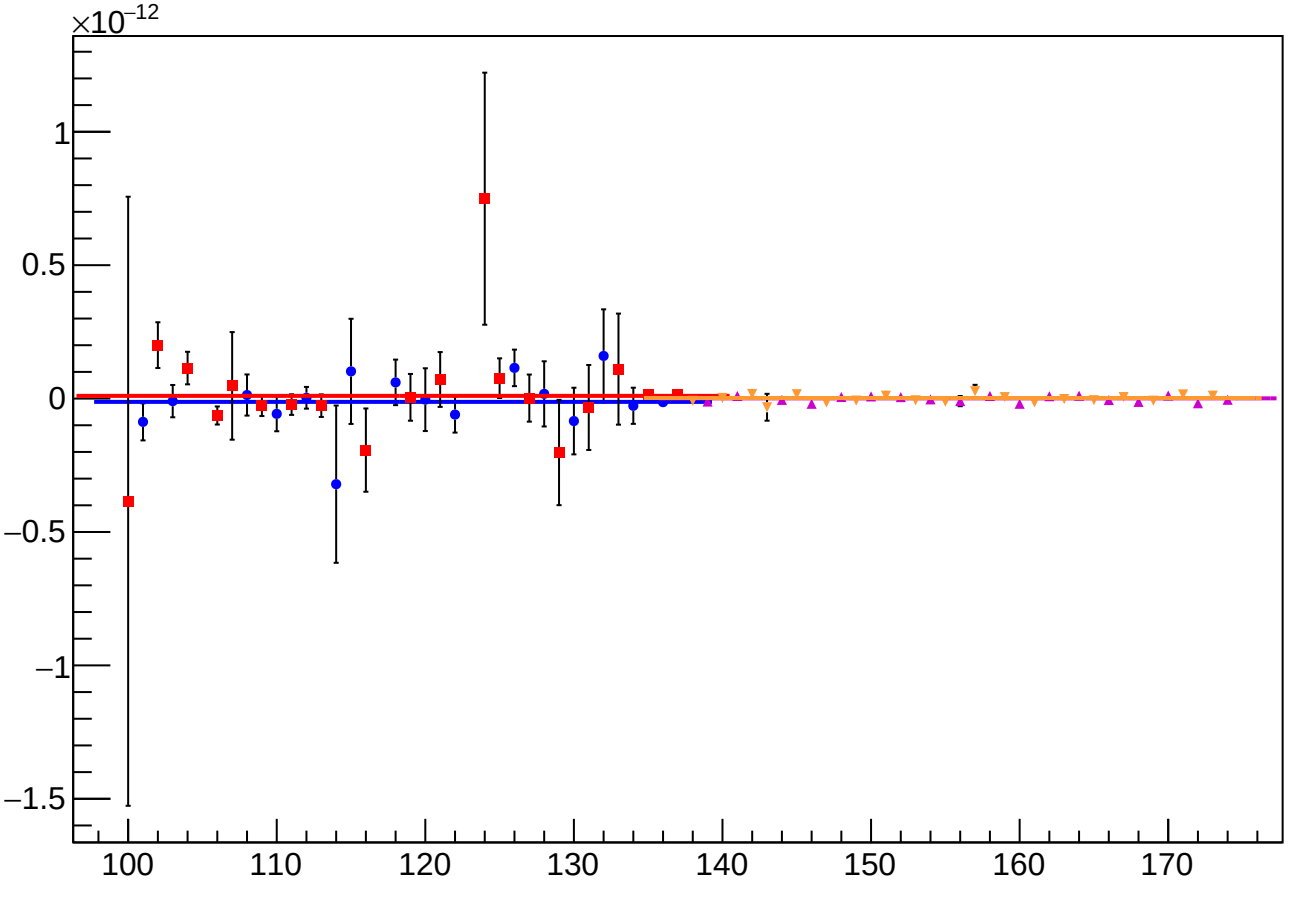
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1302.358+/-0.239 χ^2/NDF:36321.7/17

+ sign 1365.691+/-0.208 χ^2/NDF: 1204144.2/34

All: 1359.447+/-0.146 χ^2/NDF: 2039355.2/71

- 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:18.2/18

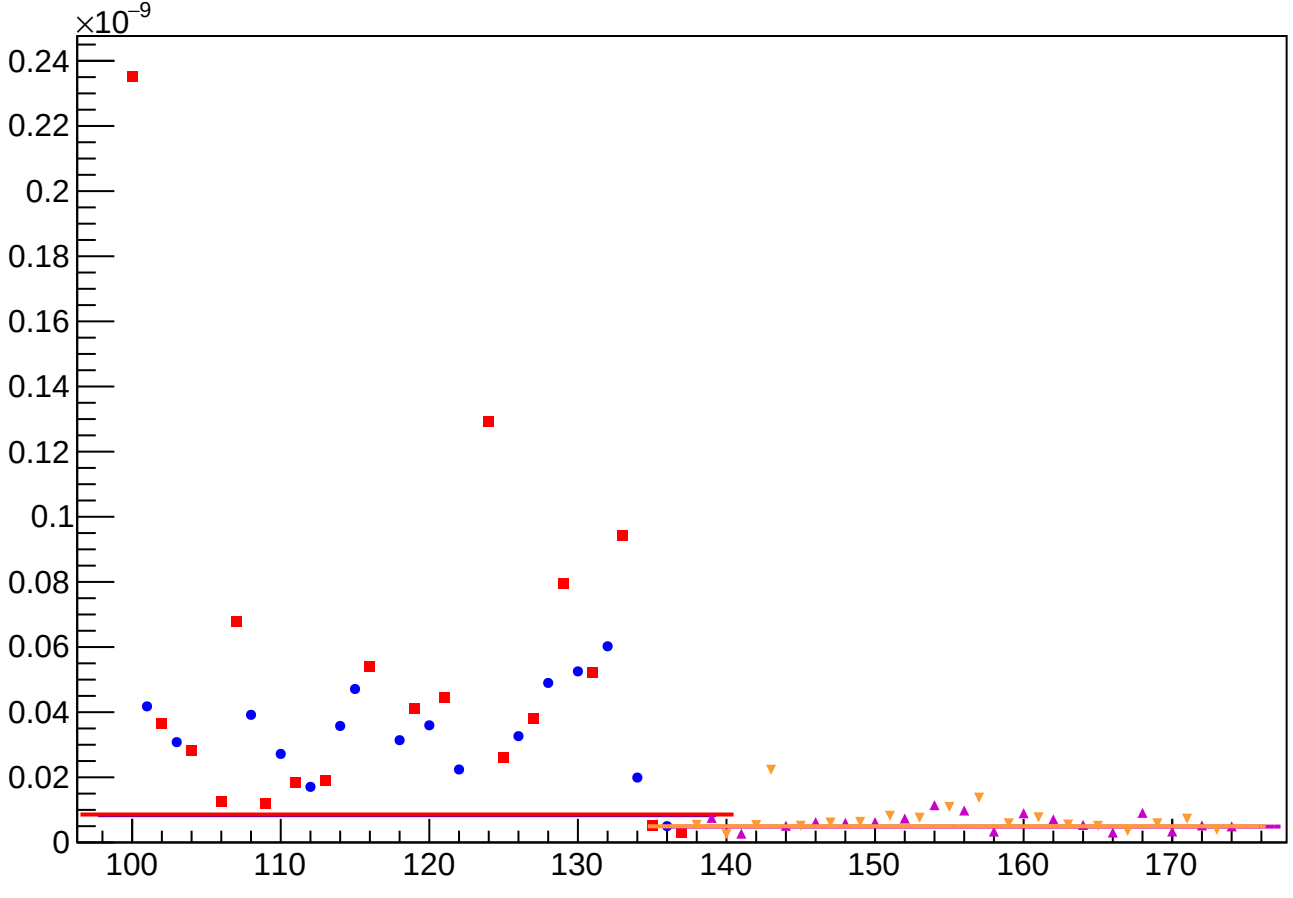
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:21.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 31.2/34

All: 0.000+/-0.000 χ^2/NDF: 76.5/71

- 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:1880418.0/18

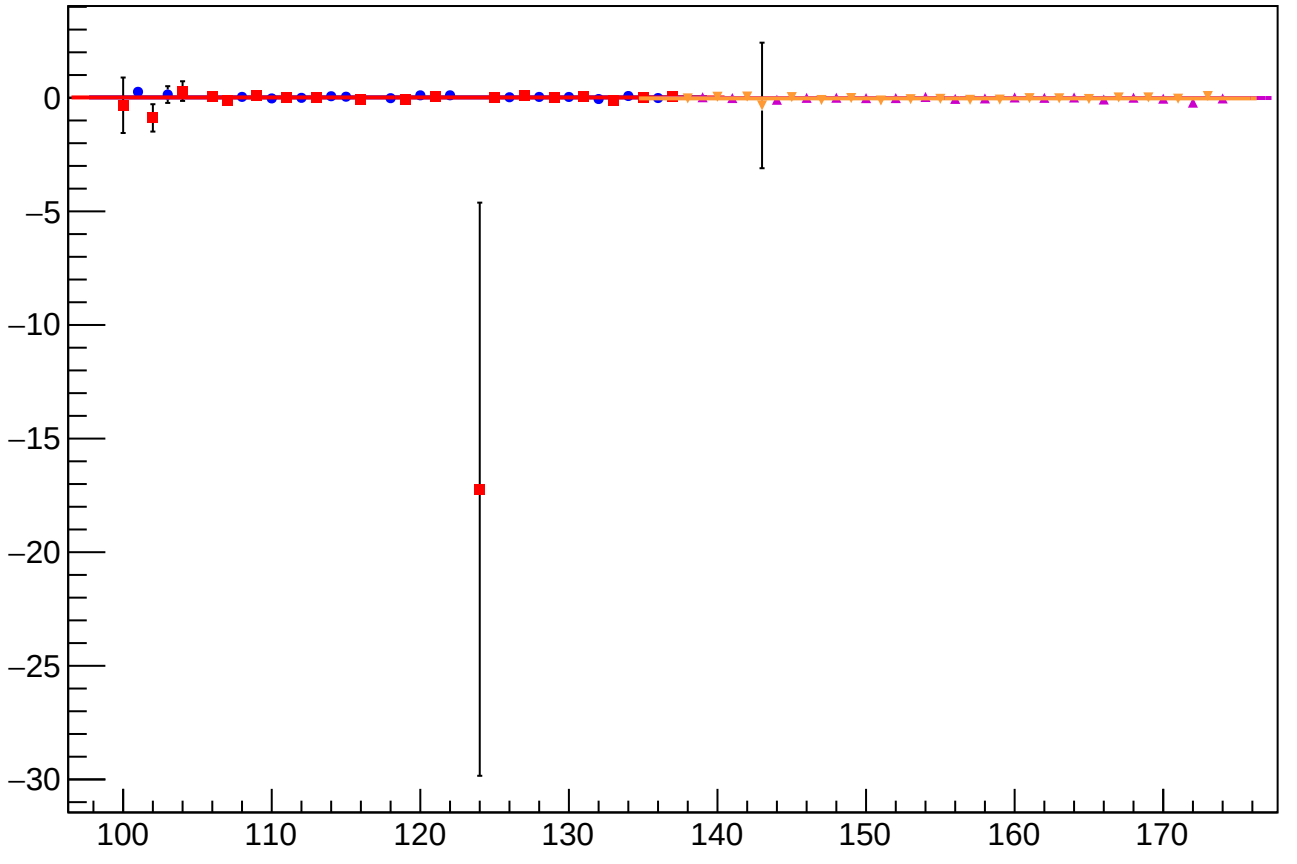
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1690564.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 5326709.4/34

All: 0.000+/-0.000 χ^2/NDF: 10767564.9/71

- 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:23.7/18

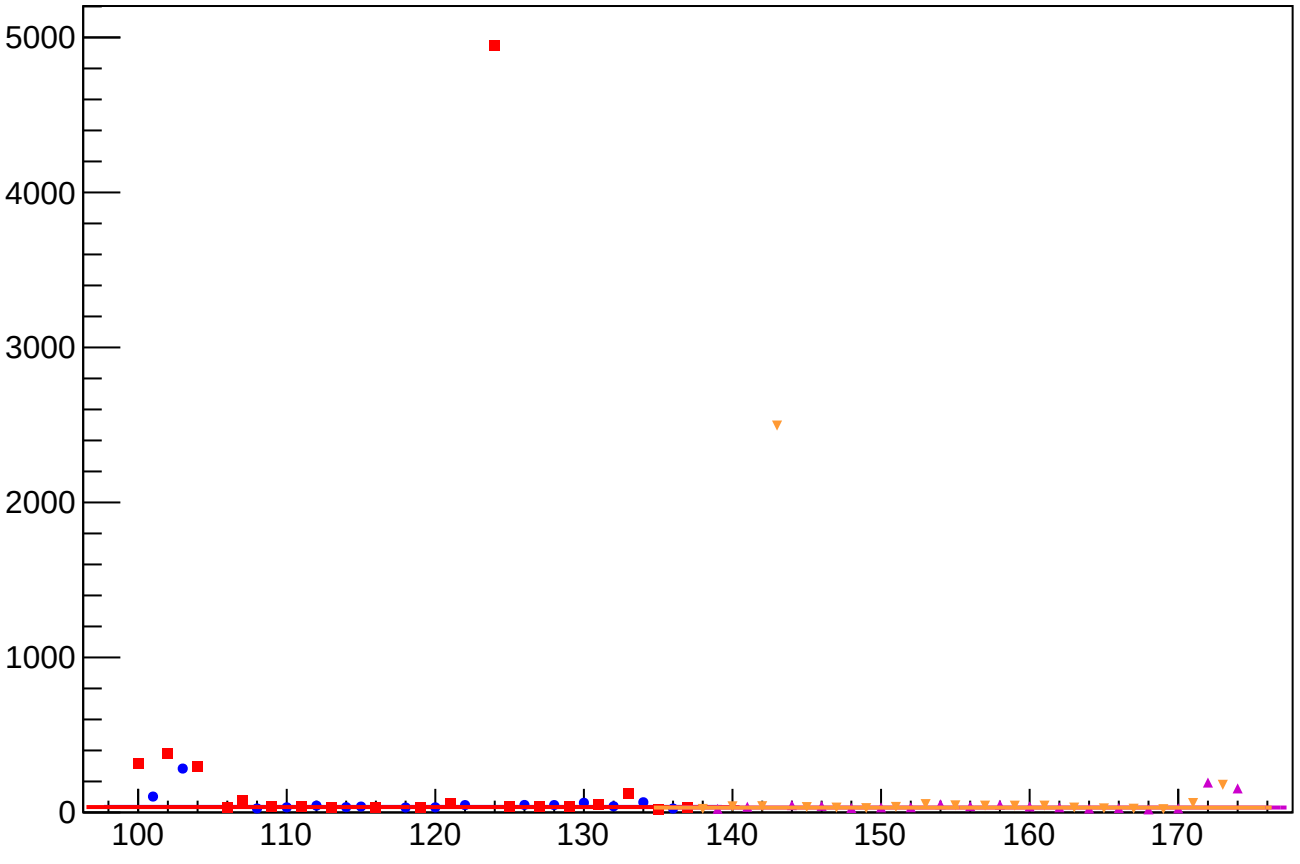
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:10.7/17

+ sign -0.015+/-0.008 χ^2/NDF: 41.0/34

All: -0.010+/-0.006 χ^2/NDF: 70.4/71

- 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: 31.370+/-0.007 χ^2/NDF:4431631.9/18

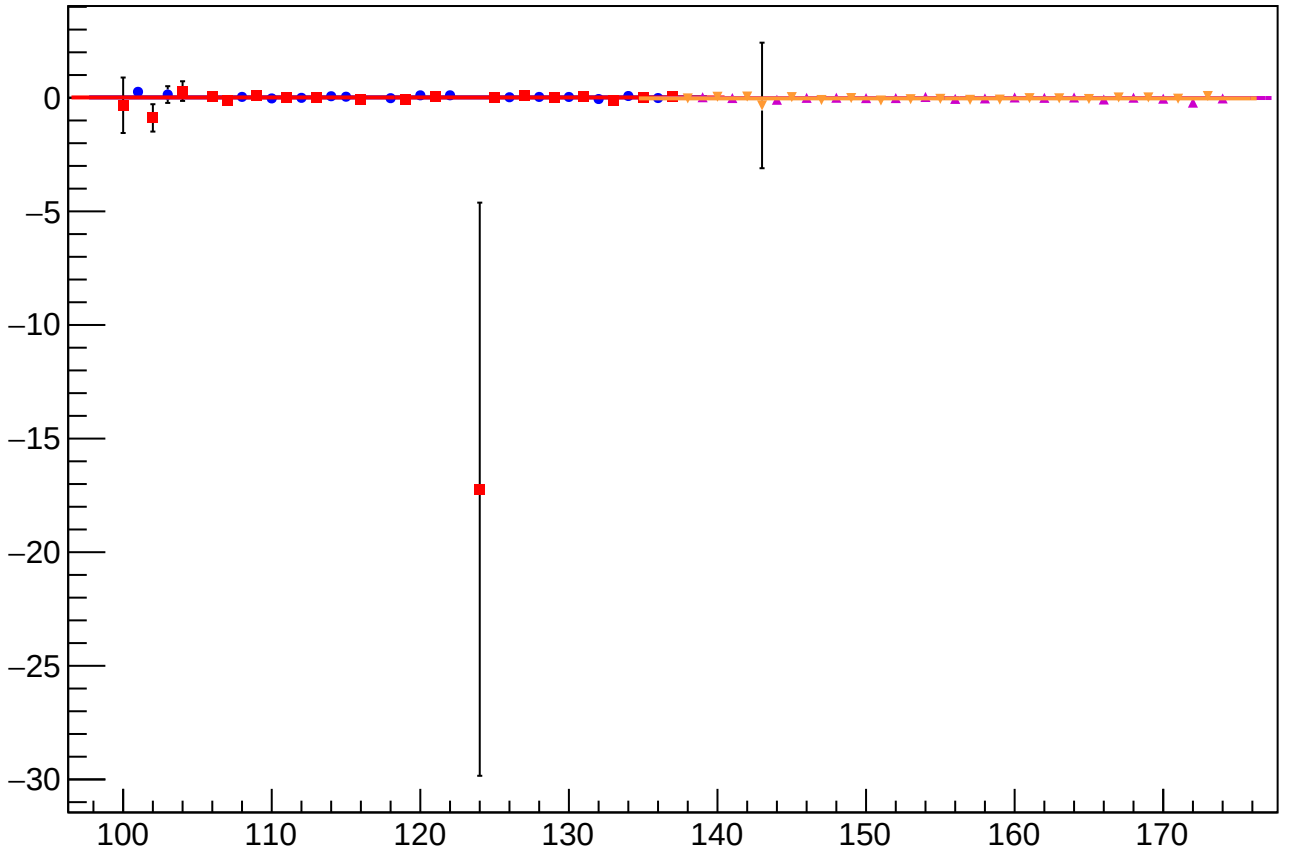
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.832+/-0.007 χ^2/NDF:3762182.0/17

+ sign 32.578+/-0.006 χ^2/NDF: 6812383.9/34

All: 32.606+/-0.004 χ^2/NDF: 13541305.2/71

- 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:23.7/18

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

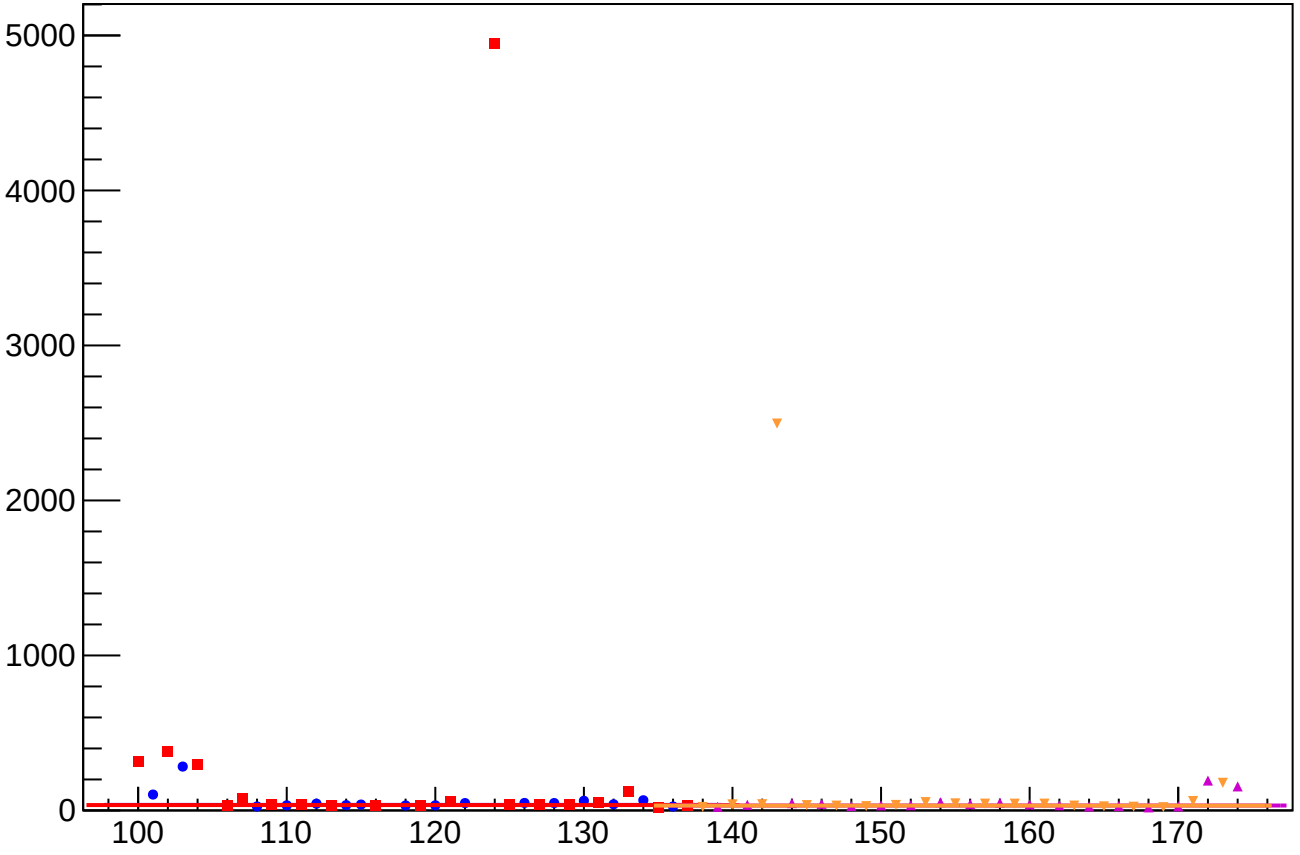
Left In: -0.011+/-0.010 χ^2/NDF:10.7/17

+ sign -0.015+/-0.008 χ^2/NDF: 41.0/34

All: -0.010+/-0.006 χ^2/NDF: 70.4/71

- sign -0.005+/-0.008 χ^2/NDF: 28.6/36

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.370+/-0.007 χ^2/NDF:4431631.9/18

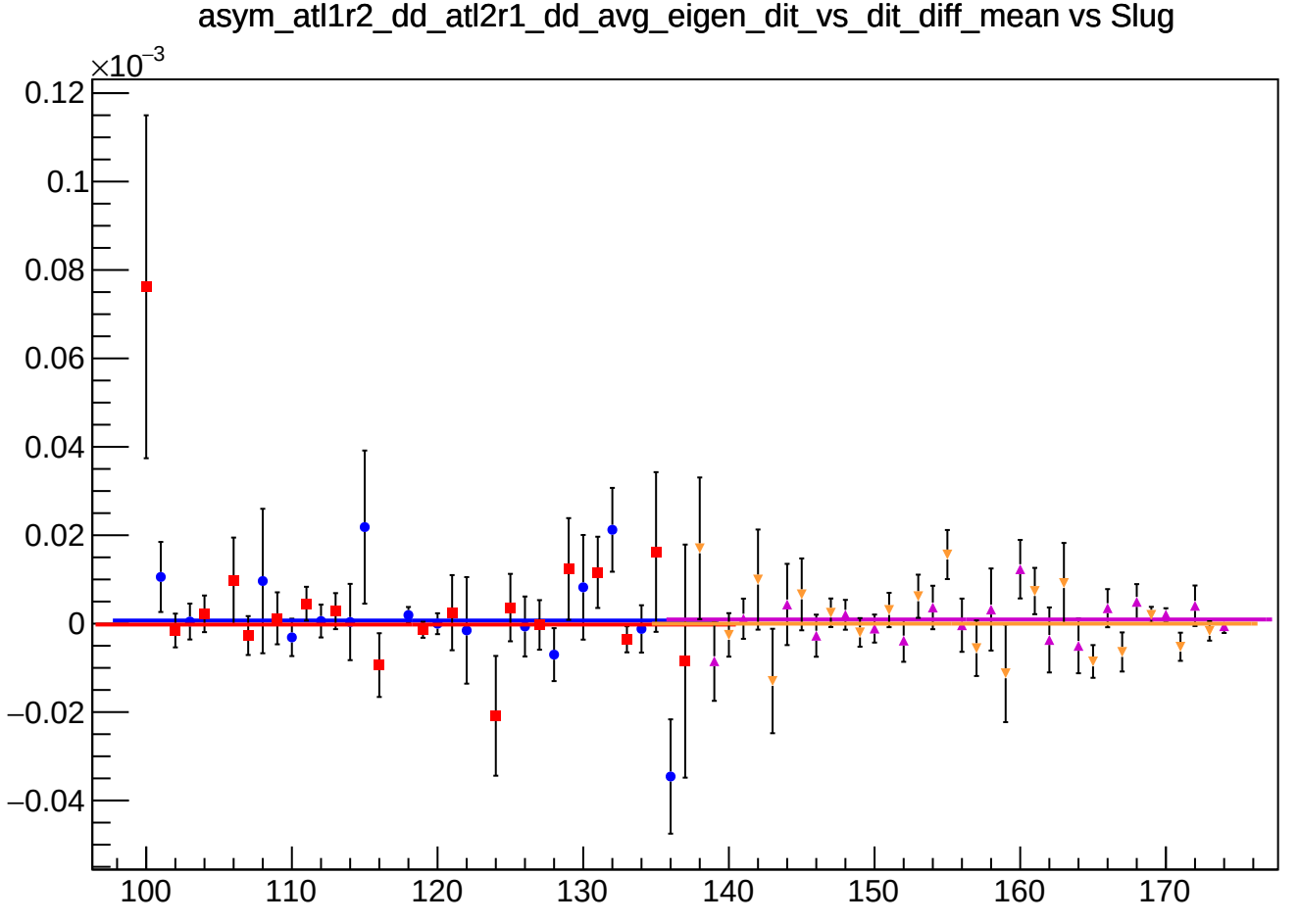
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.832+/-0.007 χ^2/NDF:3762182.0/17

+ sign 32.578+/-0.006 χ^2/NDF: 6812383.9/34

All: 32.606+/-0.004 χ^2/NDF: 13541305.2/71

- 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:31.9/18

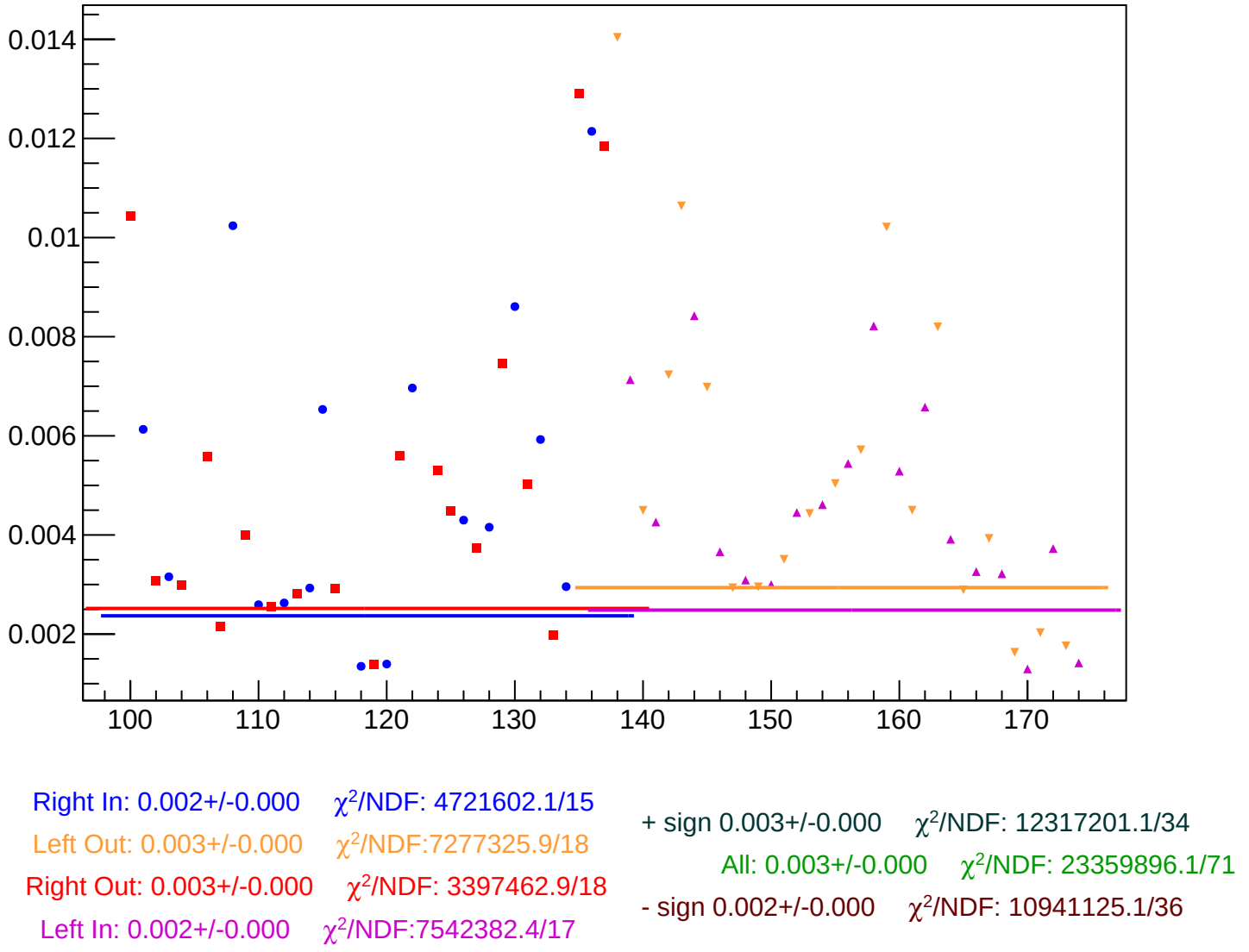
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

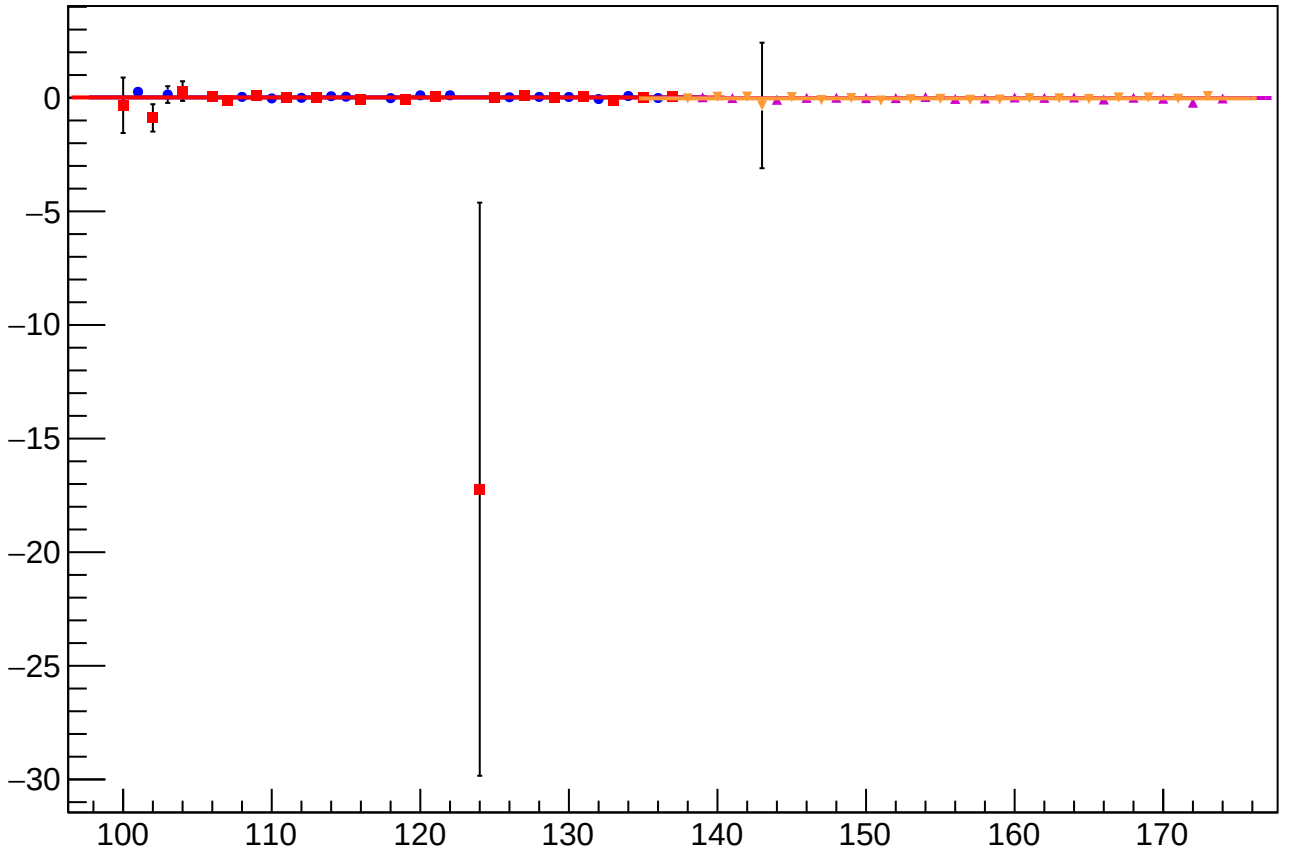
Left In: 0.000+/-0.000 χ^2/NDF:11.4/17

\+ sign 0.000+/-0.000 χ^2/NDF: 51.2/34

All: 0.000+/-0.000 χ^2/NDF: 81.5/71

\- 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:7277325.9/18
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: 12317201.1/34
All: 0.003+/-0.000 χ²/NDF: 23359896.1/71
- 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:23.7/18

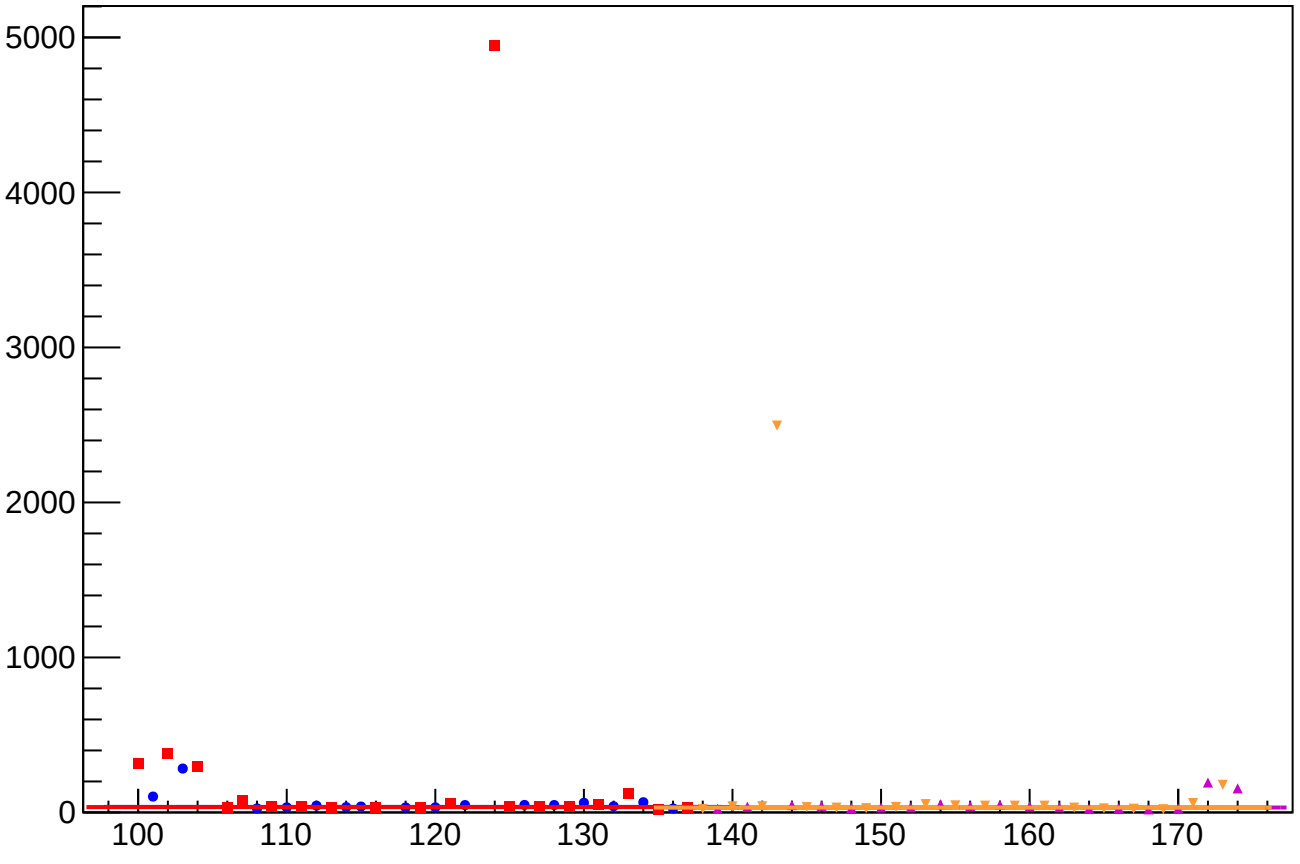
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:10.7/17

+ sign -0.015+/-0.008 χ^2/NDF: 41.0/34

All: -0.010+/-0.006 χ^2/NDF: 70.4/71

- sign -0.005+/-0.008 χ^2/NDF: 28.6/36



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.370+/-0.007 χ^2/NDF:4431889.4/18

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

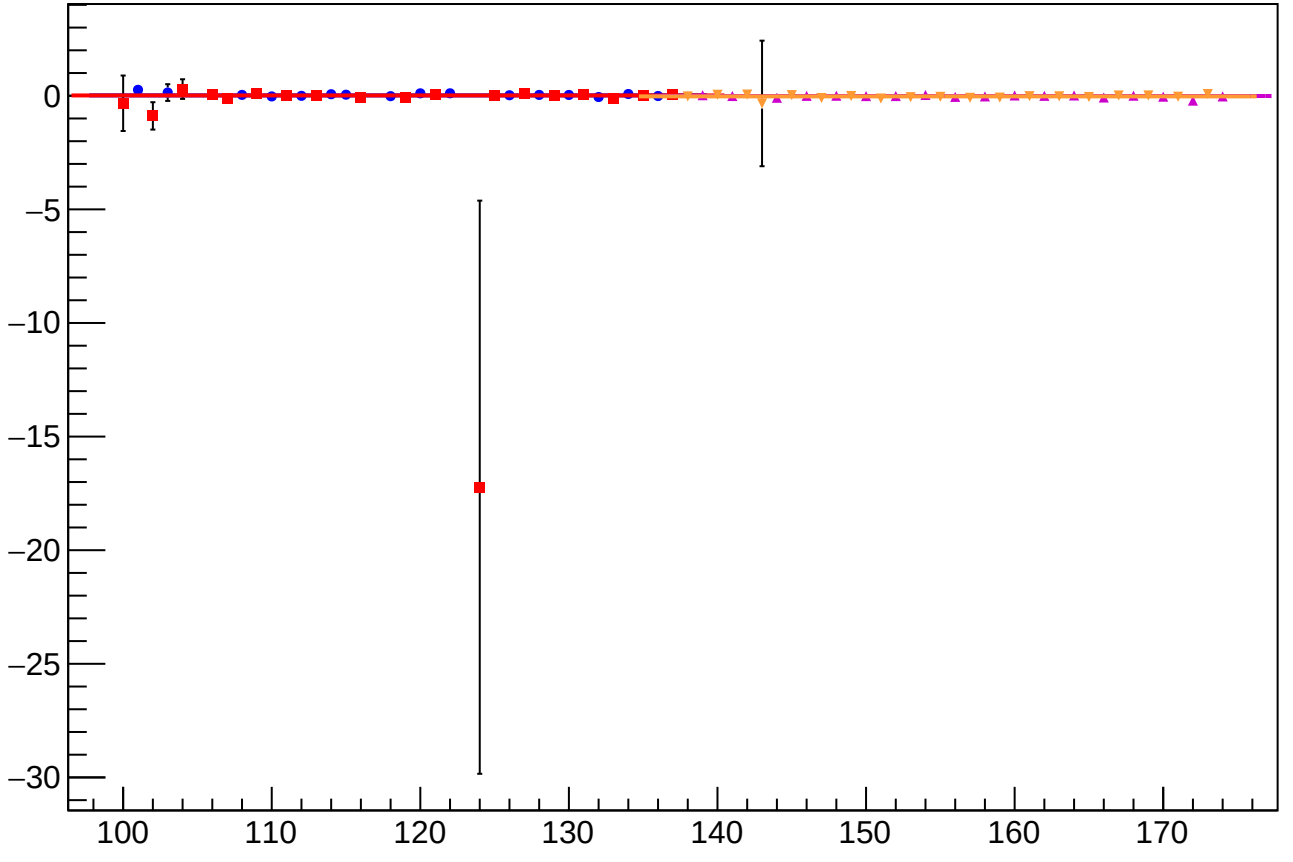
Left In: 31.830+/-0.007 χ^2/NDF:3762760.2/17

+ sign 32.578+/-0.006 χ^2/NDF: 6812451.9/34

All: 32.606+/-0.004 χ^2/NDF: 13541853.0/71

- 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:23.7/18

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

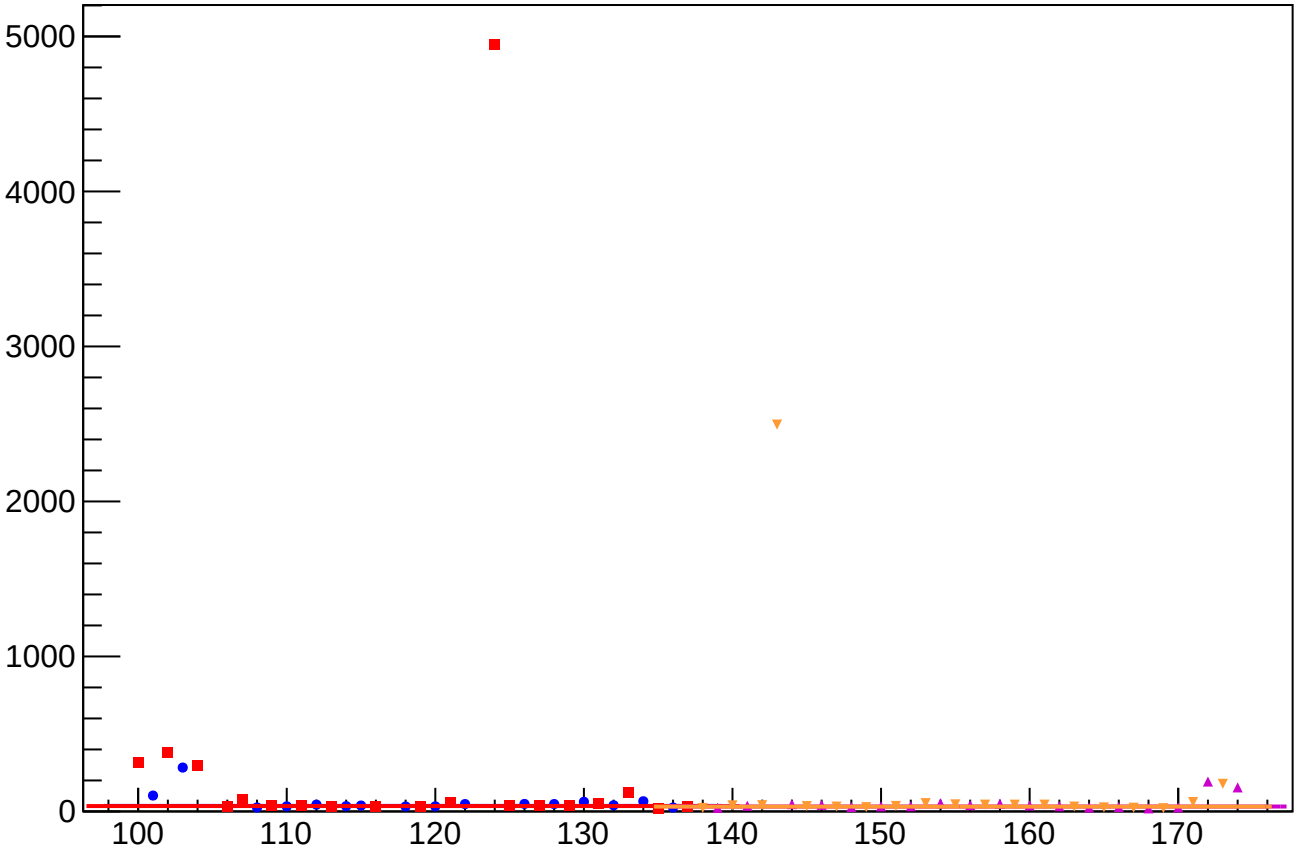
Left In: -0.011+/-0.010 χ^2/NDF:10.7/17

+ sign -0.015+/-0.008 χ^2/NDF: 41.0/34

All: -0.010+/-0.006 χ^2/NDF: 70.4/71

- 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: 31.370+/-0.007 χ^2/NDF:4431889.4/18

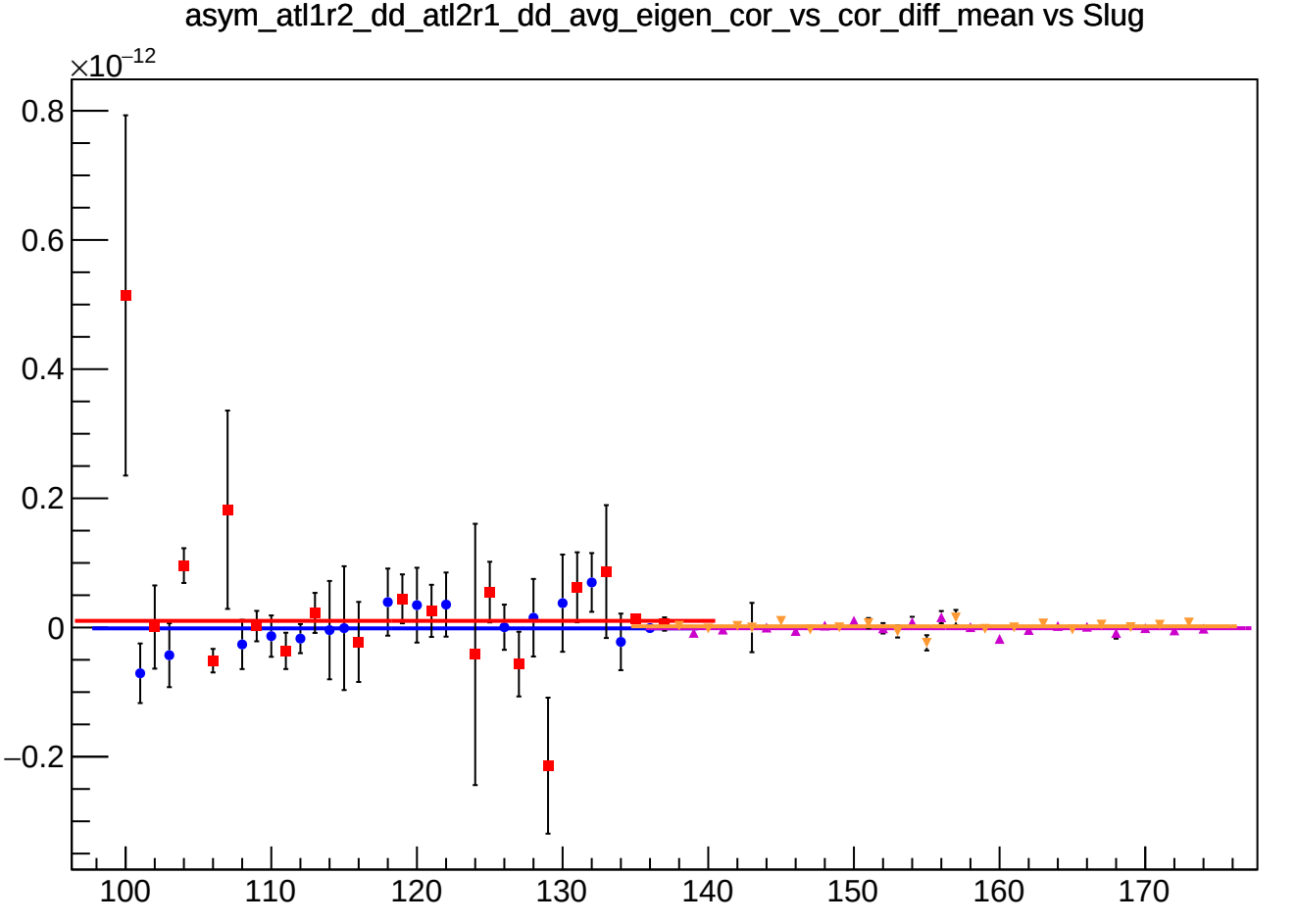
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

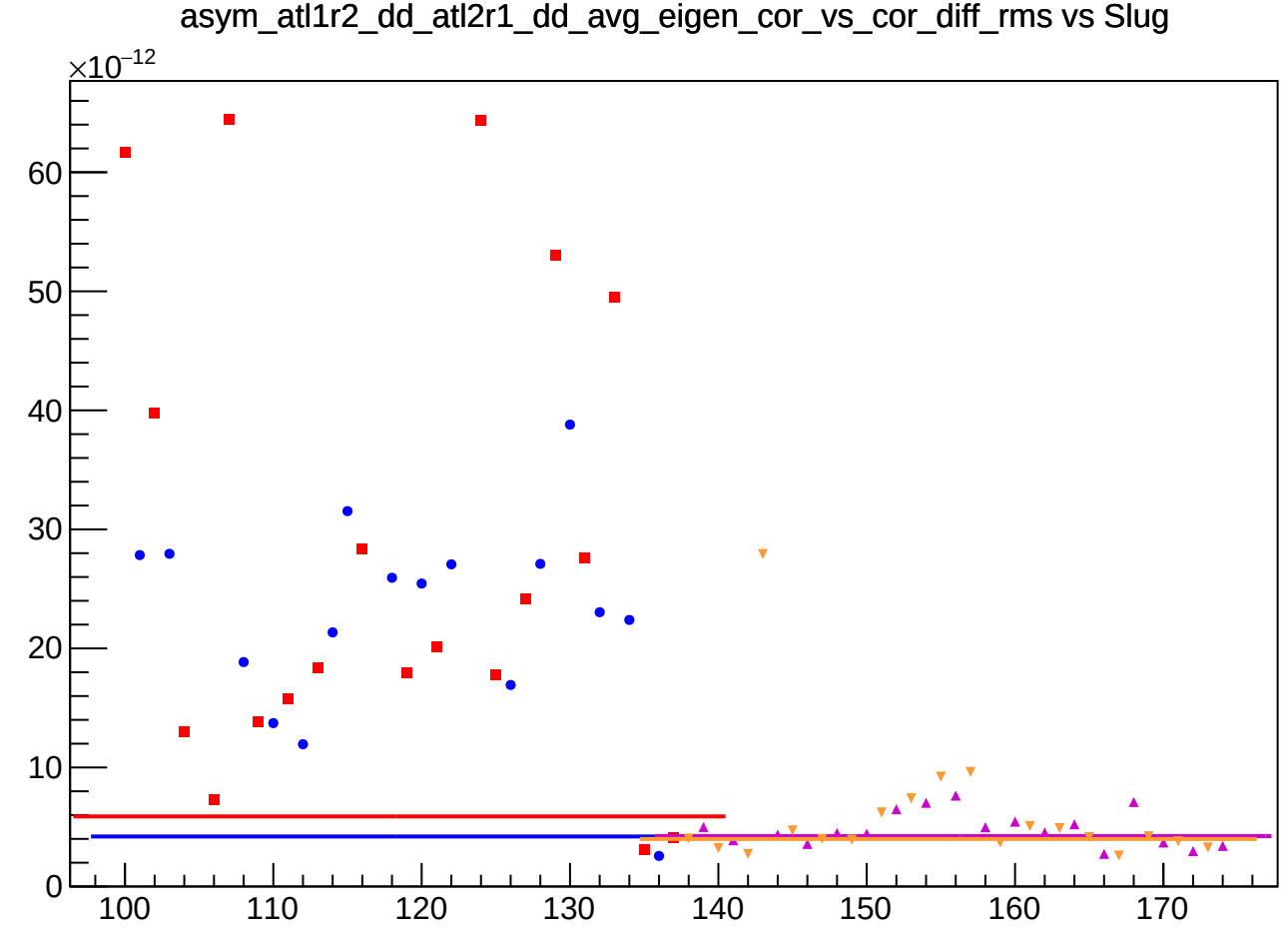
Left In: 31.830+/-0.007 χ^2/NDF:3762760.2/17

+ sign 32.578+/-0.006 χ^2/NDF: 6812451.9/34

All: 32.606+/-0.004 χ^2/NDF: 13541853.0/71

- sign 32.634+/-0.006 χ^2/NDF: 6729353.7/36


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:14.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 39.9/18
Left In: -0.000+/-0.000 χ²/NDF:19.0/17
+ sign 0.000+/-0.000 χ²/NDF: 24.1/34
All: 0.000+/-0.000 χ²/NDF: 90.4/71
- sign -0.000+/-0.000 χ²/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:2714692.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

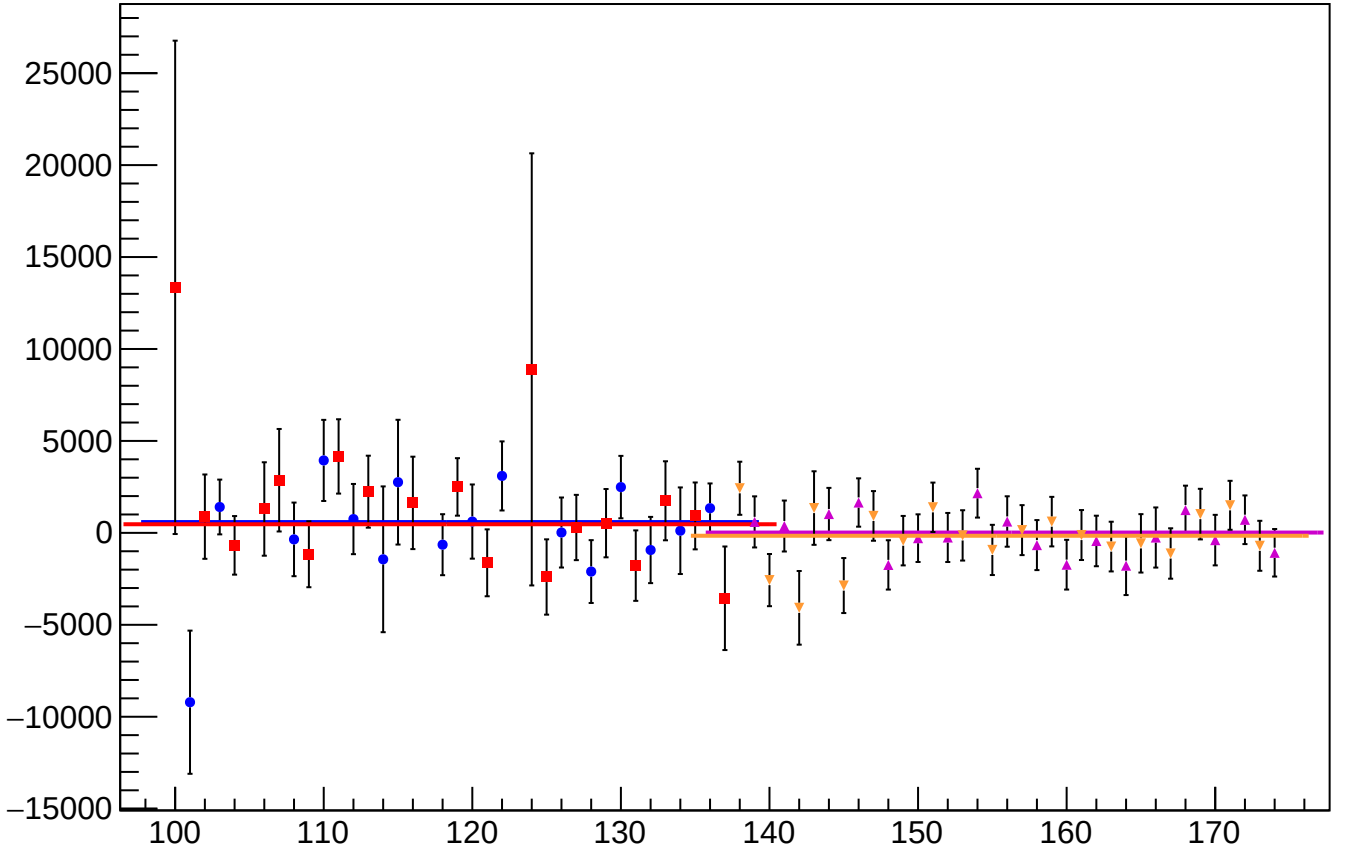
Left In: 0.000+/-0.000 χ^2/NDF:1560233.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 7801519.3/34

All: 0.000+/-0.000 χ^2/NDF: 14592669.0/71

- 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: -157.008+/-326.275 χ^2/NDF:19.7/18

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

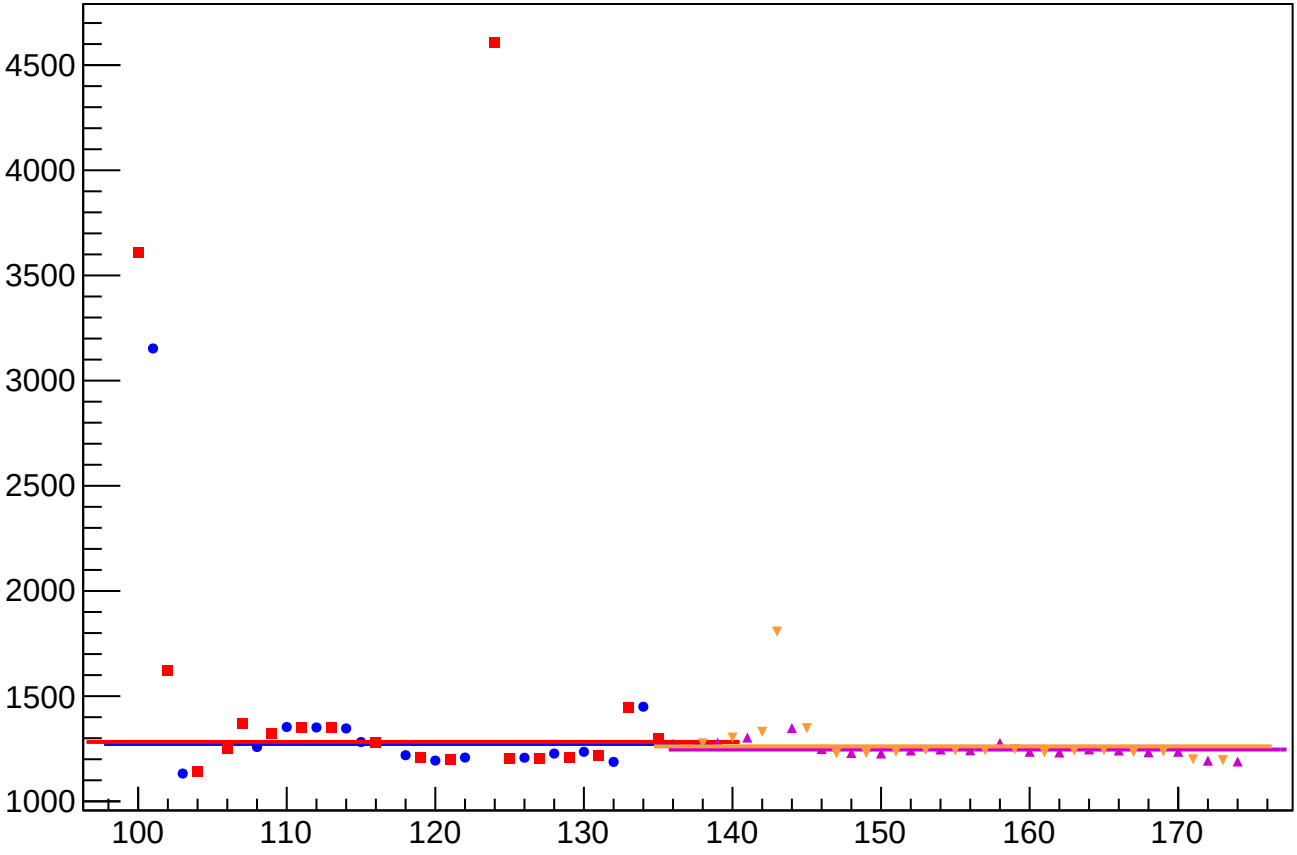
Left In: 17.176+/-323.174 χ^2/NDF:12.2/17

\+ sign 76.474+/-270.268 χ^2/NDF: 38.4/34

All: 117.506+/-190.361 χ^2/NDF: 68.0/71

\- 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: 1261.381+/-0.231 χ^2/NDF:176077.1/18

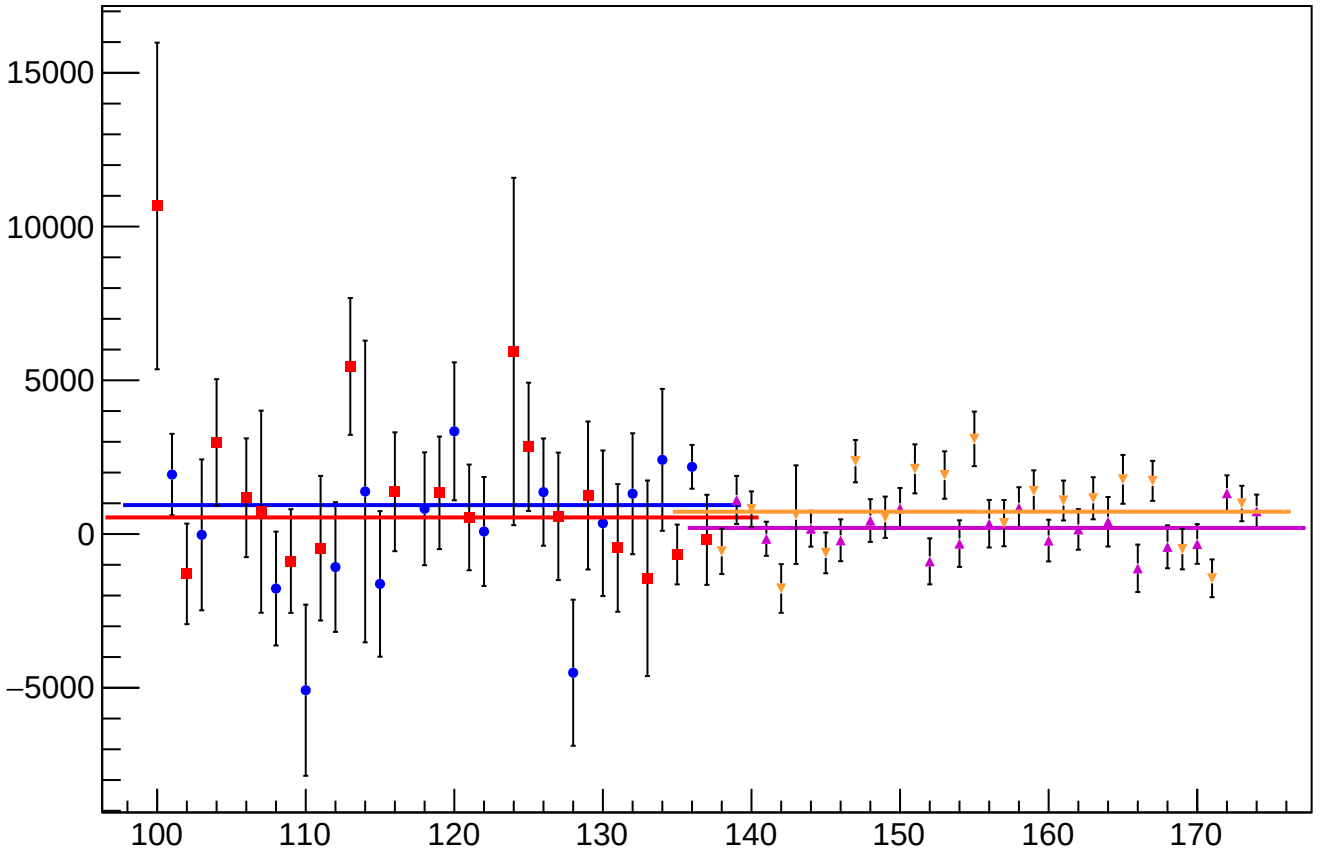
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

+ sign 1264.966+/-0.191 χ^2/NDF: 696144.6/34

All: 1261.195+/-0.135 χ^2/NDF: 1051148.1/71

- 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: 727.376+/-161.526 χ^2/NDF:57.6/18

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

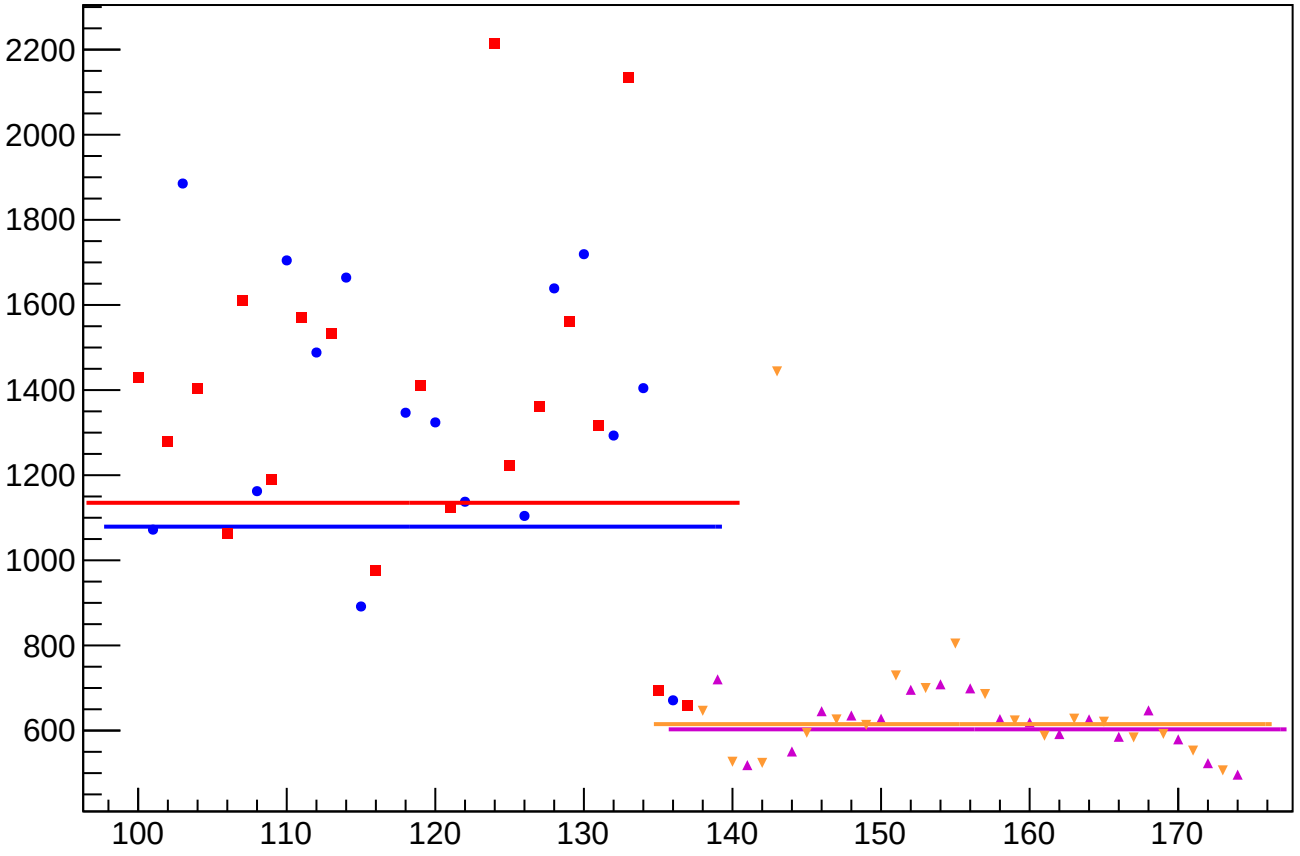
Left In: 198.518+/-157.548 χ^2/NDF:16.2/17

+ sign 754.342+/-151.026 χ^2/NDF: 77.7/34

All: 491.207+/-105.823 χ^2/NDF: 117.6/71

- sign 237.409+/-148.323 χ^2/NDF: 33.9/36

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 615.116+/-0.114 χ^2/NDF:890828.6/18

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

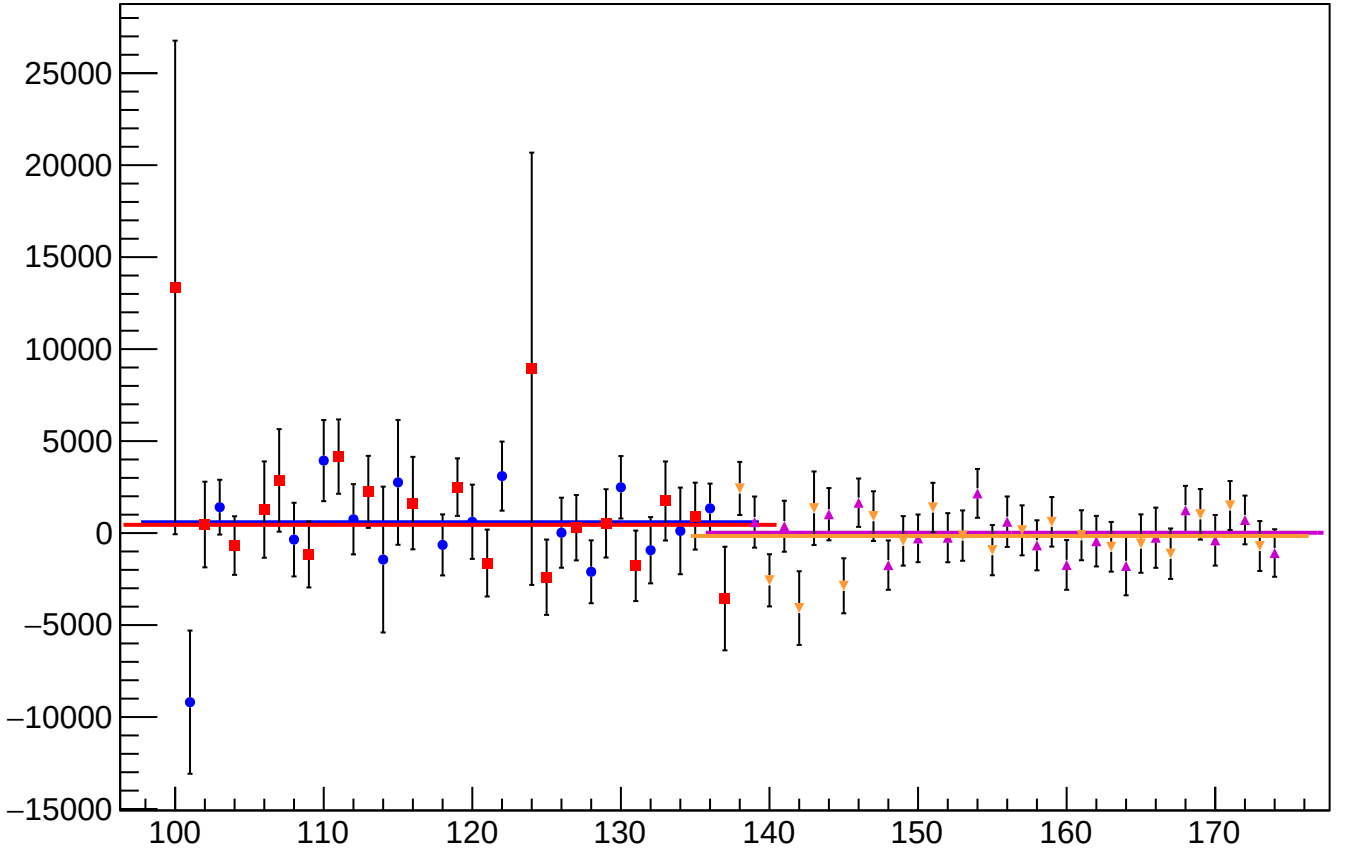
Left In: 602.855+/-0.111 χ^2/NDF:355480.9/17

+ sign 673.480+/-0.107 χ^2/NDF: 4448957.3/34

All: 668.333+/-0.075 χ^2/NDF: 8697601.2/71

- 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: -157.072+/-326.275 χ^2/NDF:19.7/18

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

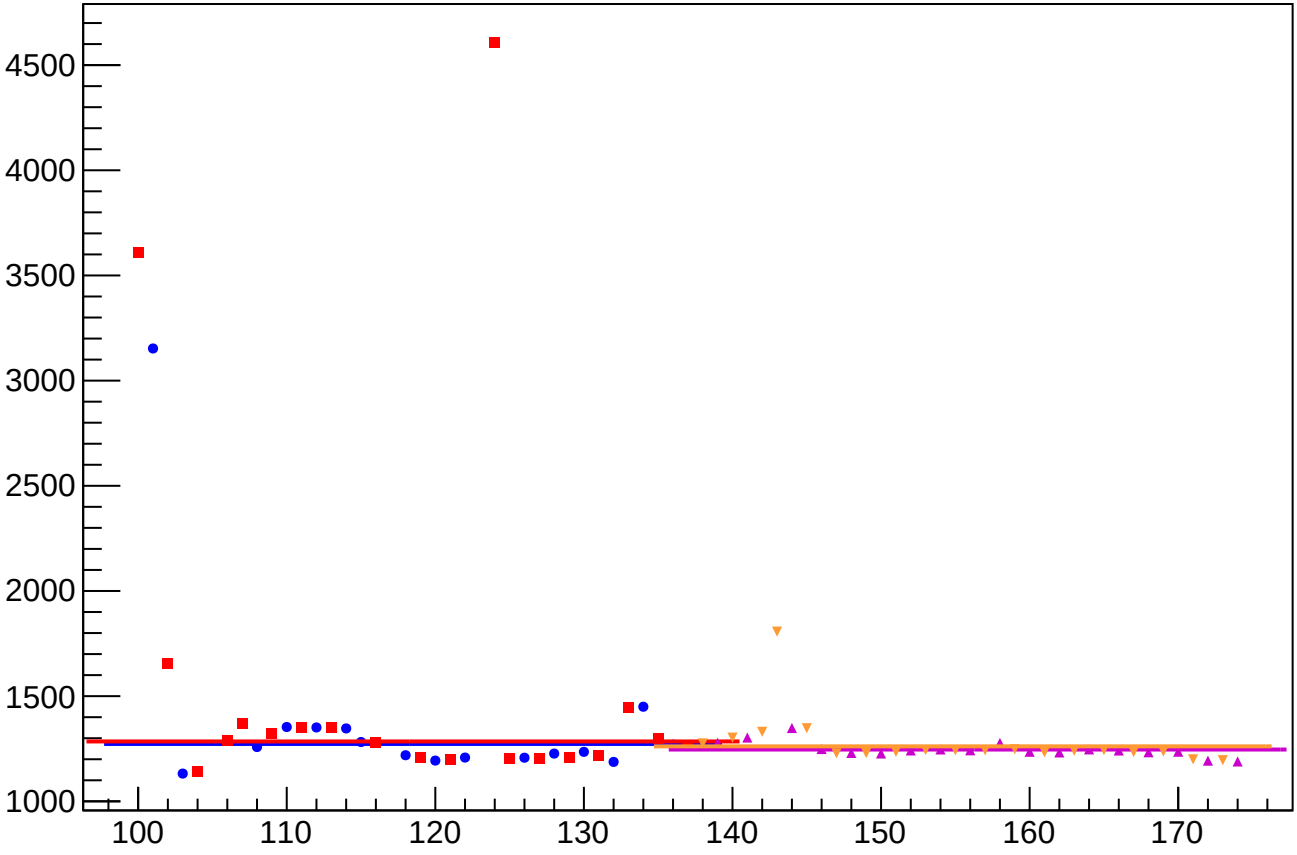
Left In: 17.218+/-323.174 χ^2/NDF:12.2/17

\+ sign 76.531+/-270.268 χ^2/NDF: 38.3/34

All: 114.137+/-190.411 χ^2/NDF: 67.9/71

\- 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: 1261.381+/-0.231 χ^2/NDF:176077.0/18

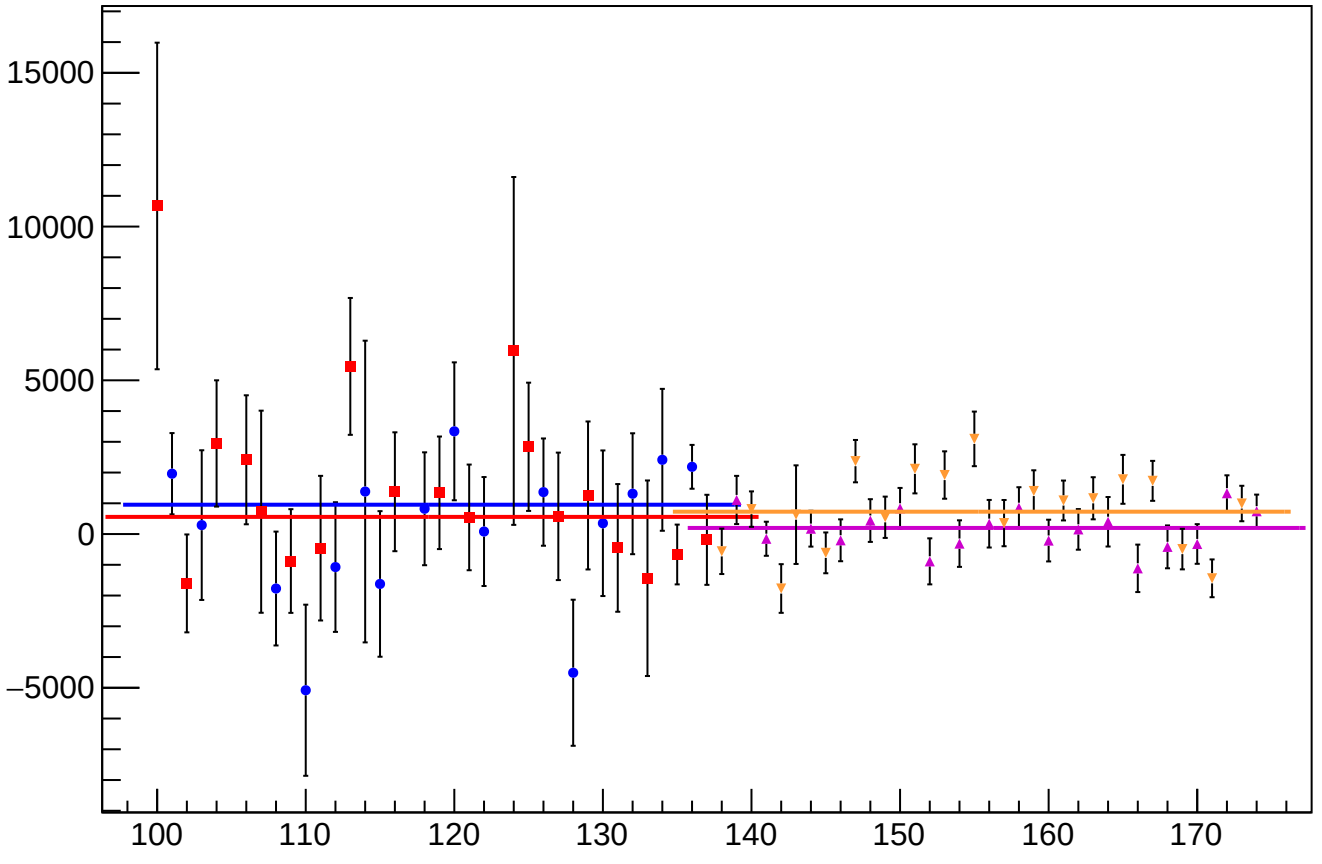
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

+ sign 1264.966+/-0.191 χ^2/NDF: 696146.0/34

All: 1261.542+/-0.135 χ^2/NDF: 1058667.9/71

- 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: 727.391+/-161.527 χ^2/NDF:57.6/18

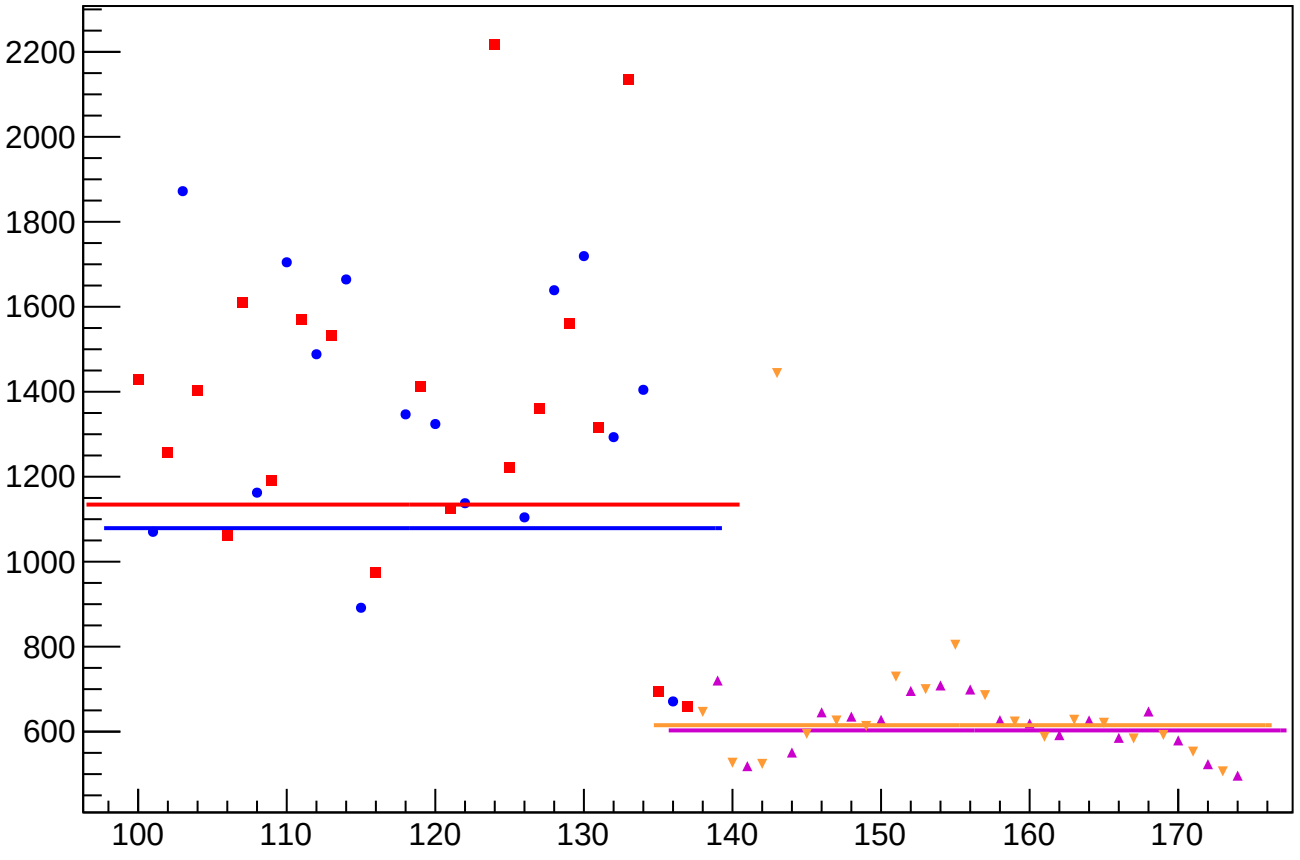
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 198.504+/-157.548 χ^2/NDF:16.2/17

+ sign 755.933+/-151.019 χ^2/NDF: 77.7/34

All: 492.981+/-105.832 χ^2/NDF: 118.8/71

- 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: 615.118+/-0.114 χ^2/NDF:890780.2/18

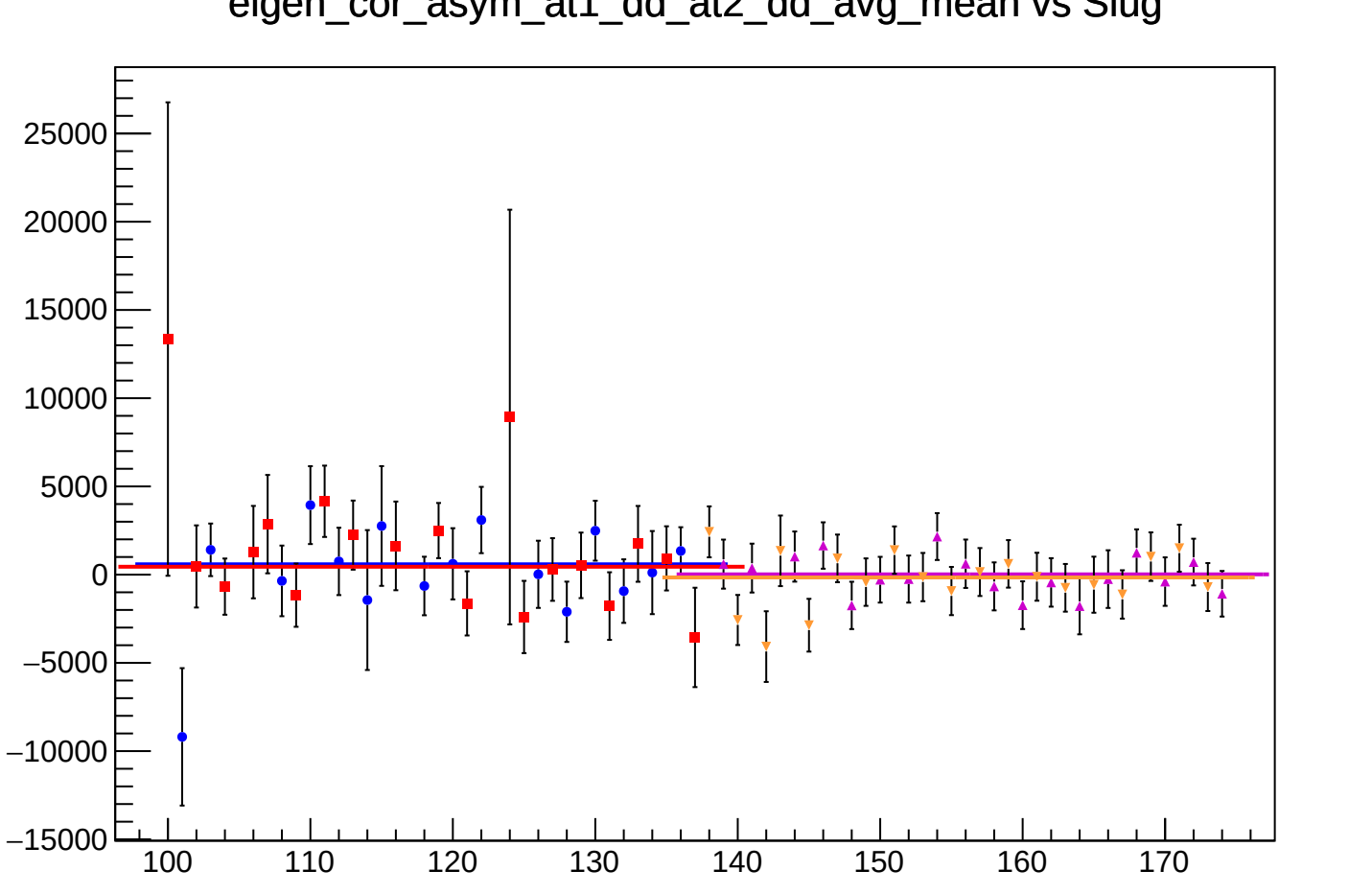
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 602.851+/-0.111 χ^2/NDF:355503.8/17

+ sign 673.501+/-0.107 χ^2/NDF: 4445197.7/34

All: 668.195+/-0.075 χ^2/NDF: 8673985.8/71

- 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: -157.072+/-326.275 χ^2/NDF:19.7/18

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

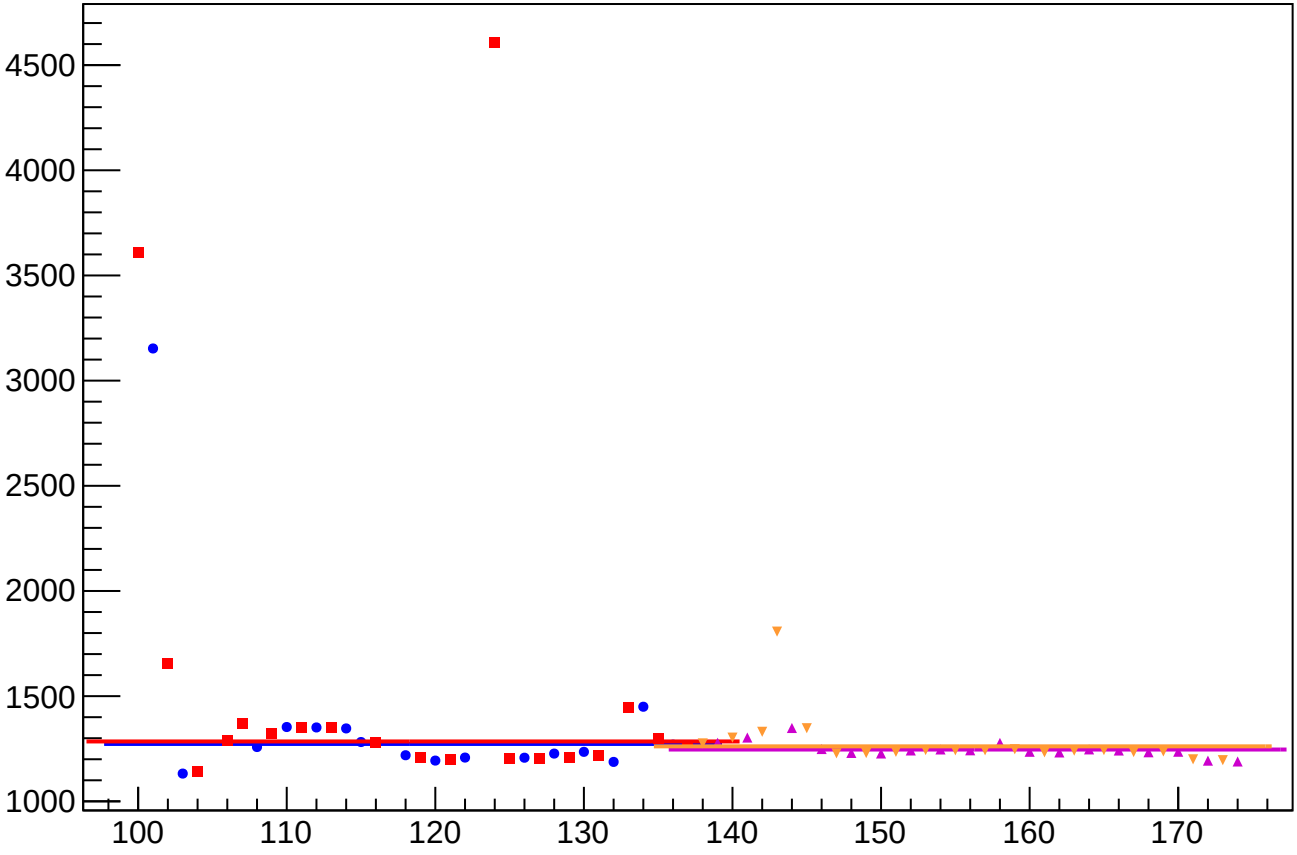
Left In: 17.218+/-323.174 χ^2/NDF:12.2/17

\+ sign 76.531+/-270.268 χ^2/NDF: 38.3/34

All: 114.137+/-190.411 χ^2/NDF: 67.9/71

\- 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: 1261.381+/-0.231 χ^2/NDF:176077.0/18

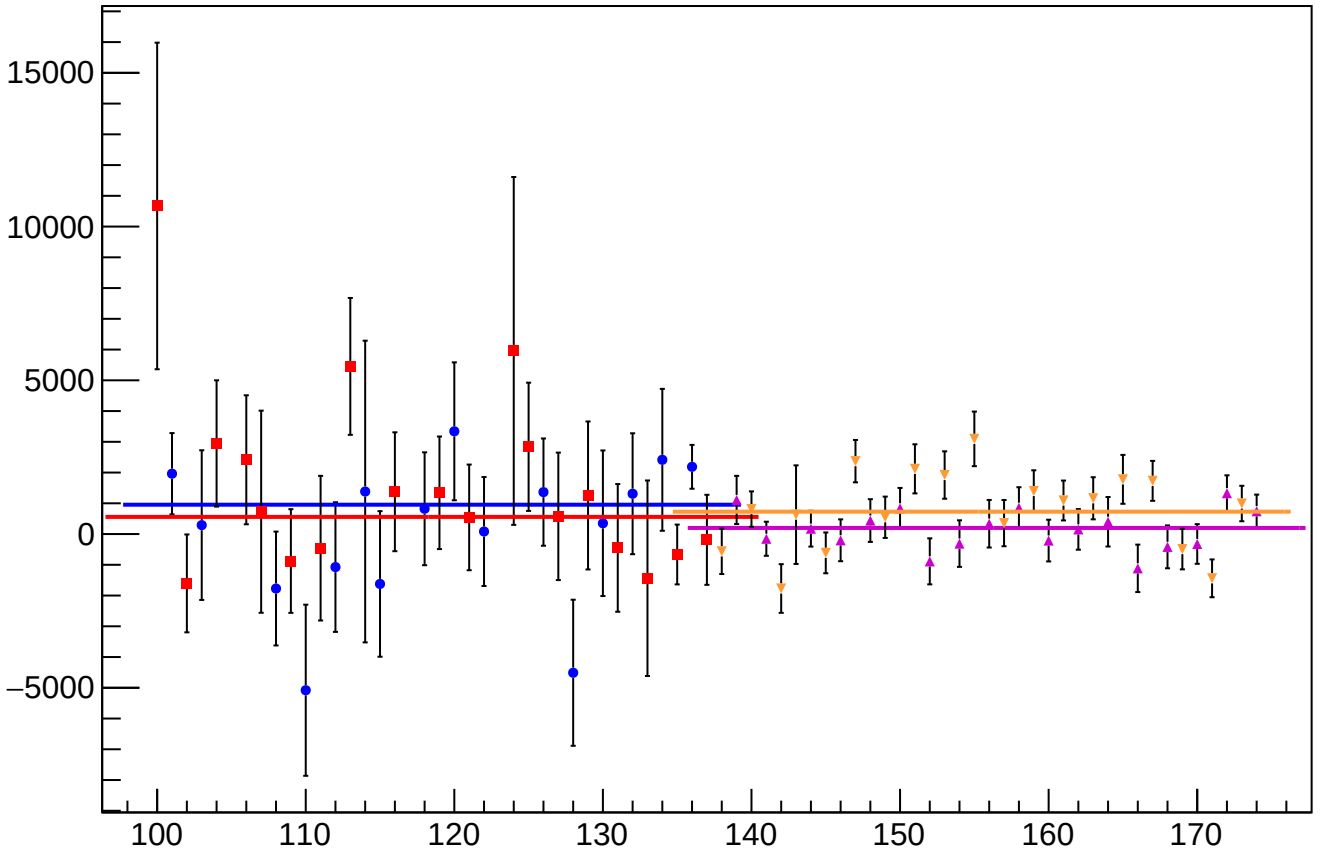
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

+ sign 1264.966+/-0.191 χ^2/NDF: 696146.0/34

All: 1261.542+/-0.135 χ^2/NDF: 1058667.9/71

- 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: 727.391+/-161.527 χ^2/NDF:57.6/18

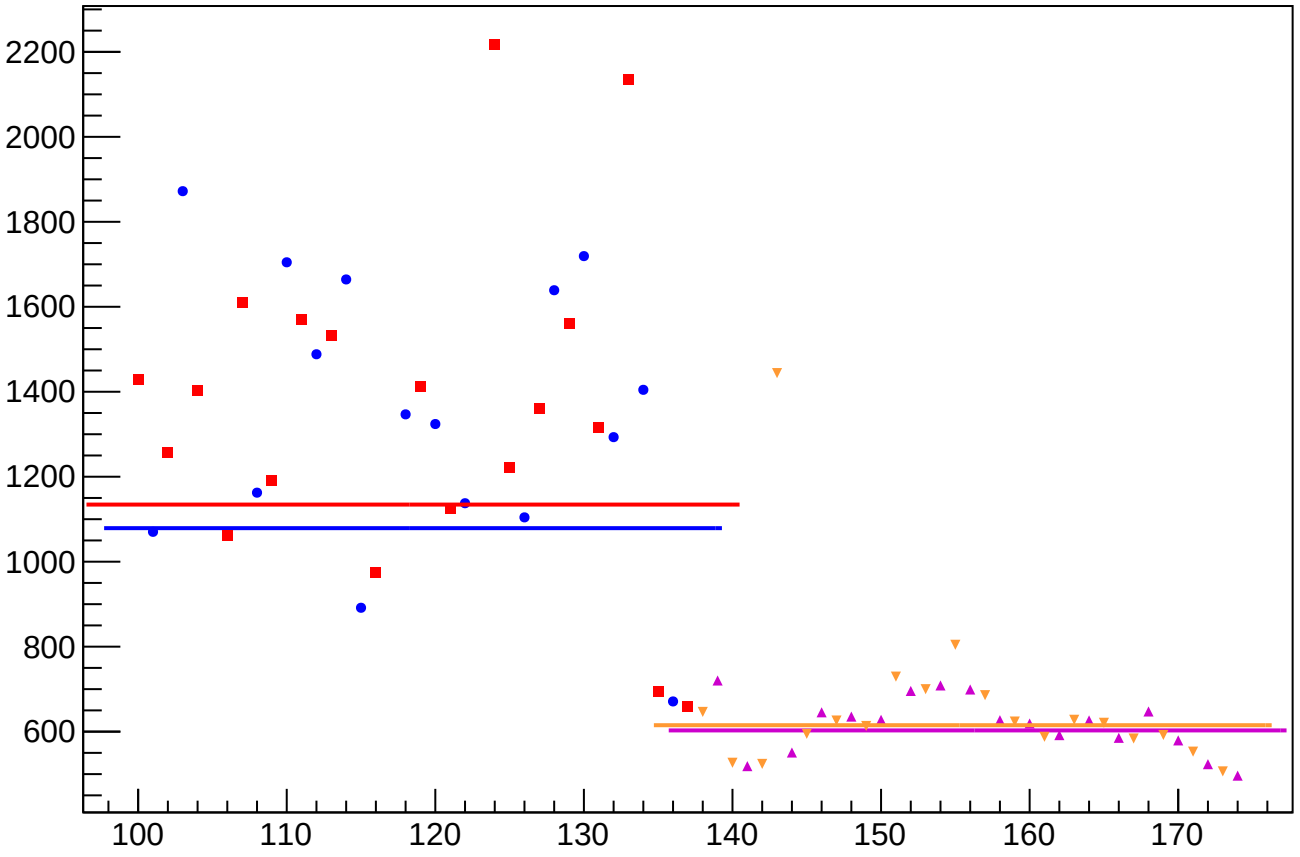
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 198.504+/-157.548 χ^2/NDF:16.2/17

+ sign 755.933+/-151.019 χ^2/NDF: 77.7/34

All: 492.981+/-105.832 χ^2/NDF: 118.8/71

- 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: 615.118+/-0.114 χ^2/NDF:890780.2/18

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

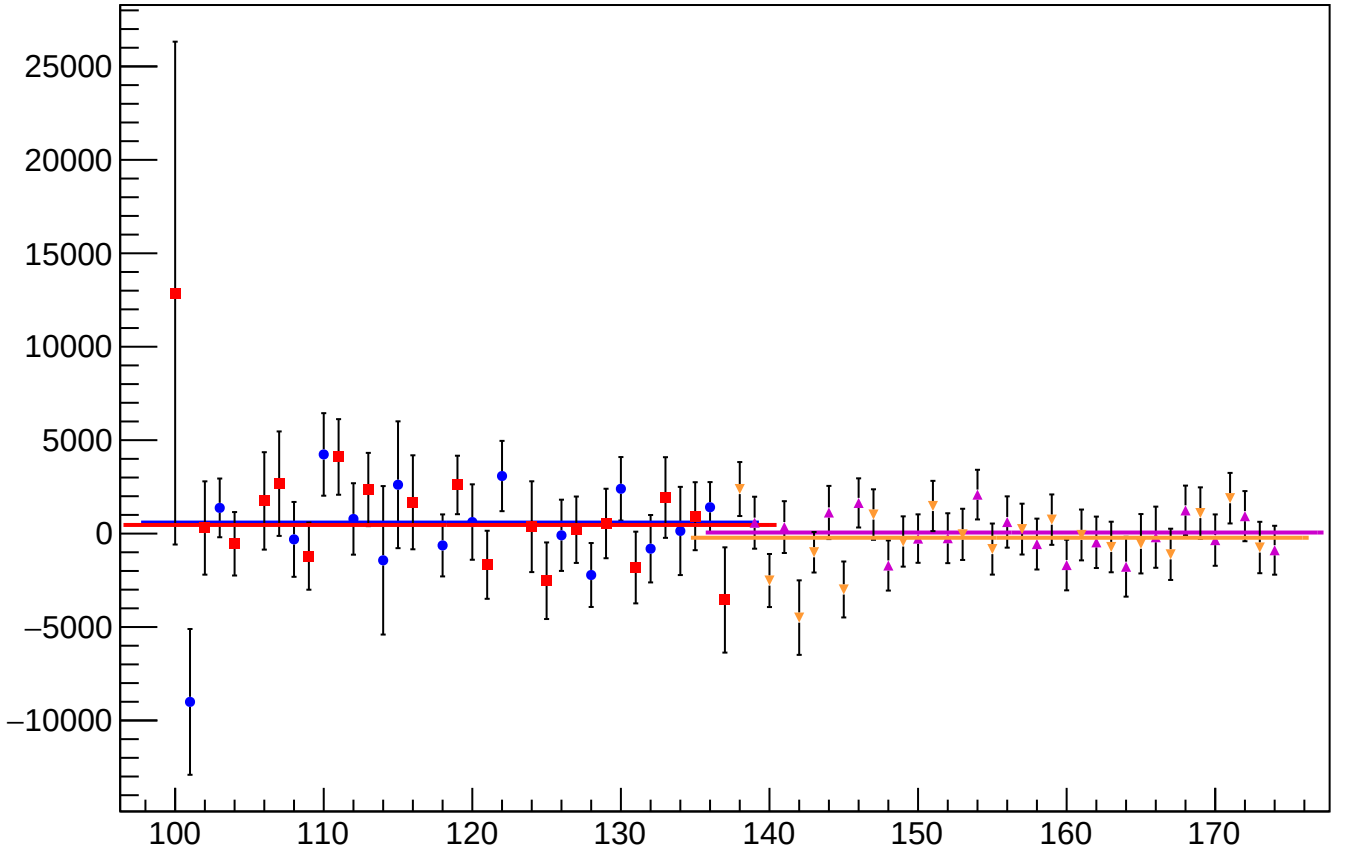
Left In: 602.851+/-0.111 χ^2/NDF:355503.8/17

+ sign 673.501+/-0.107 χ^2/NDF: 4445197.7/34

All: 668.195+/-0.075 χ^2/NDF: 8673985.8/71

- 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: -222.507+/-316.961 χ^2/NDF:21.8/18

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

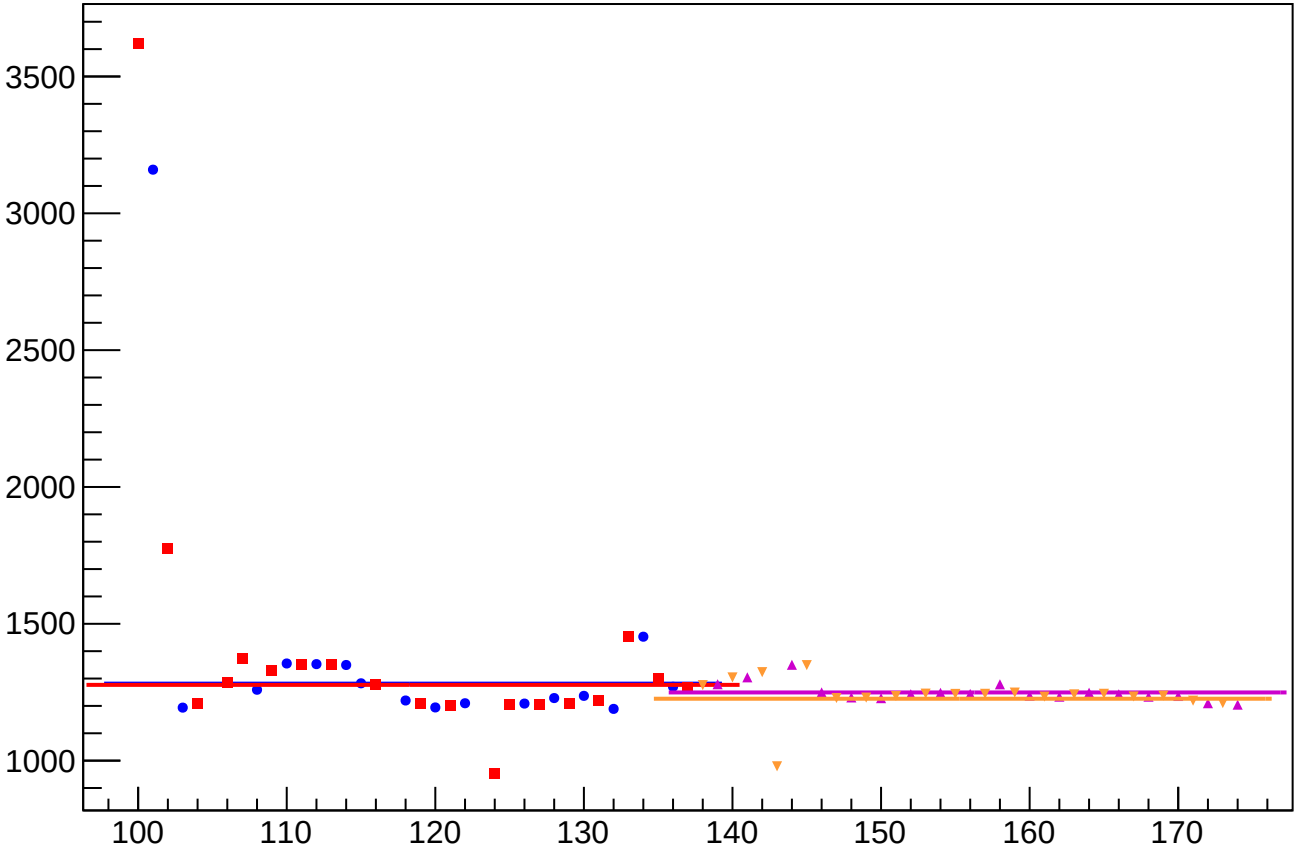
Left In: 57.172+/-323.922 χ^2/NDF:11.7/17

+ sign 20.415+/-265.404 χ^2/NDF: 40.9/34

All: 102.027+/-188.558 χ^2/NDF: 70.0/71

- 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: 1226.218+/-0.224 χ^2/NDF:133257.1/18

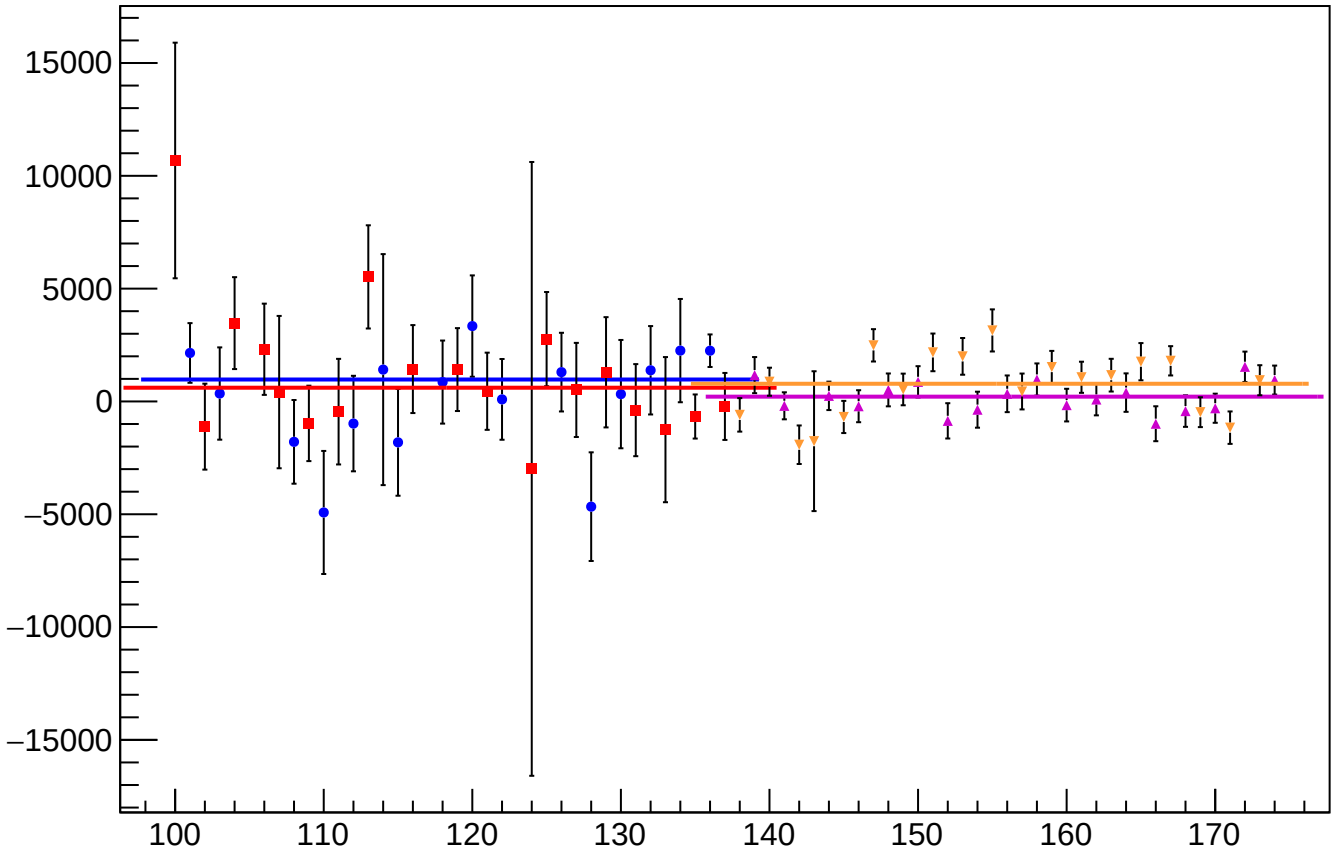
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1249.177+/-0.229 χ^2/NDF:21061.1/17

+ sign 1242.700+/-0.188 χ^2/NDF: 658431.9/34

All: 1250.238+/-0.133 χ^2/NDF: 907876.6/71

- 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: 783.600+/-172.100 χ^2/NDF:52.2/18

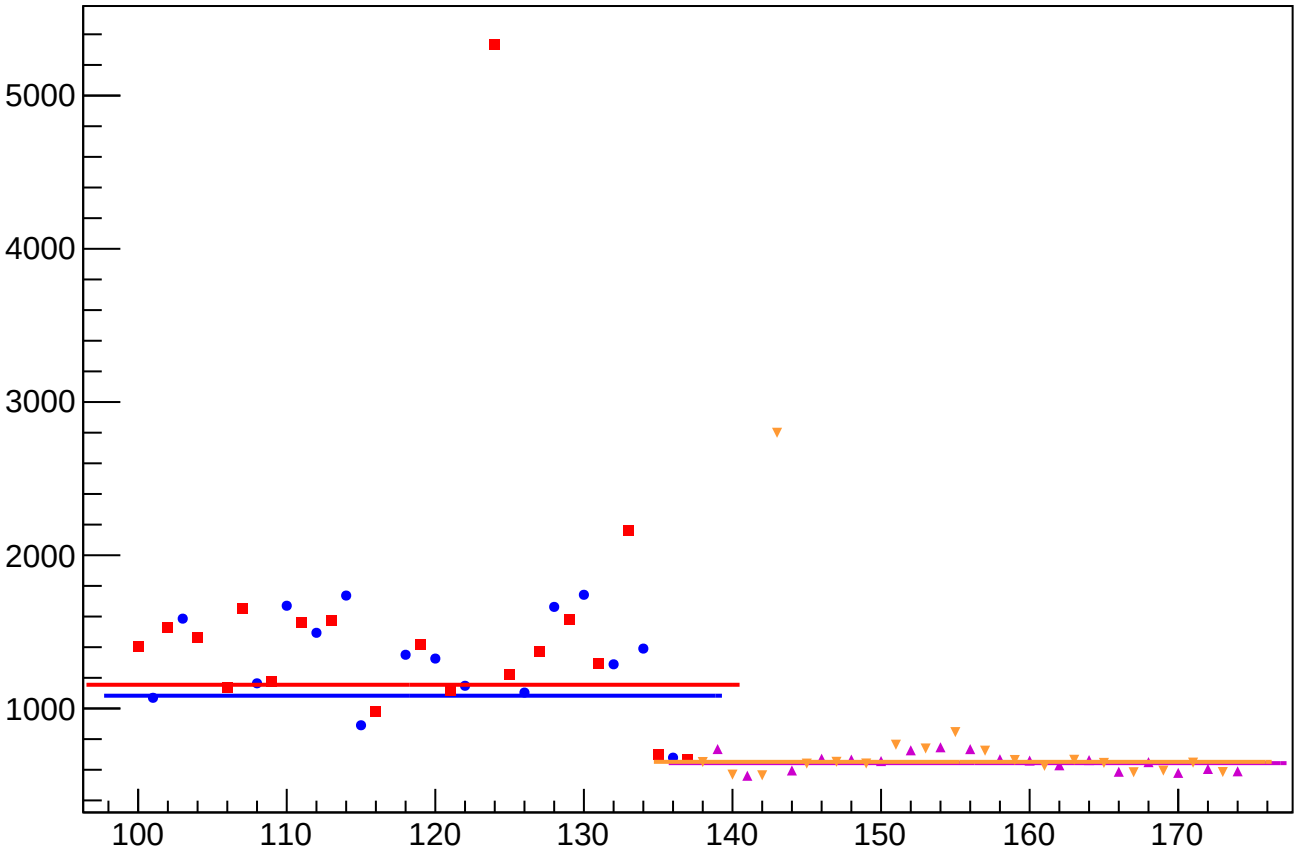
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 212.114+/-167.661 χ^2/NDF:16.3/17

+ sign 810.159+/-159.529 χ^2/NDF: 72.8/34

All: 531.141+/-111.904 χ^2/NDF: 112.9/71

- 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: 651.696+/-0.122 χ^2/NDF:1241887.3/18

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

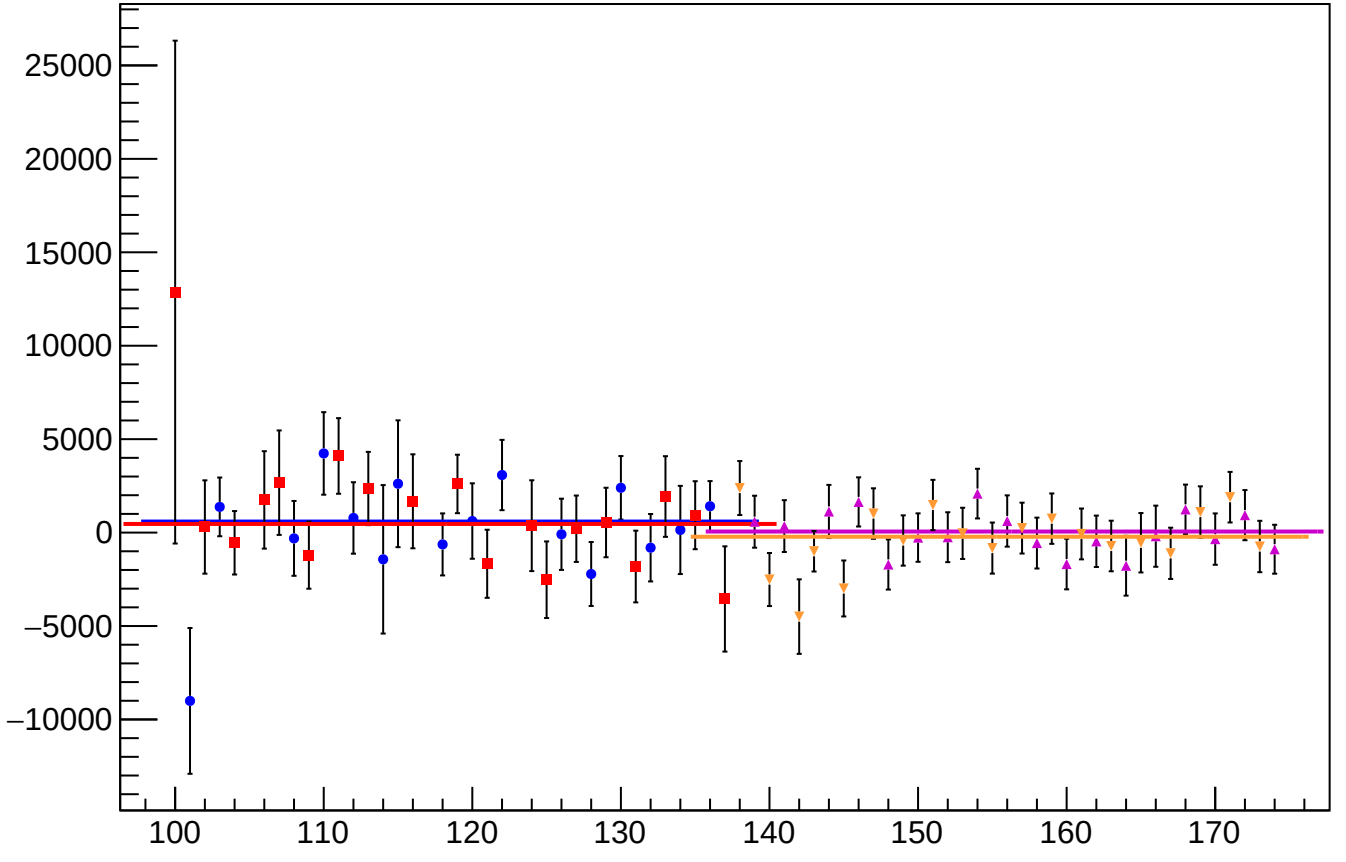
Left In: 643.230+/-0.119 χ^2/NDF:219442.5/17

+ sign 712.450+/-0.113 χ^2/NDF: 4372816.3/34

All: 709.242+/-0.079 χ^2/NDF: 8371338.8/71

- sign 706.134+/-0.111 χ^2/NDF: 3996929.9/36

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -222.509+/-316.961 χ^2/NDF:21.8/18

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

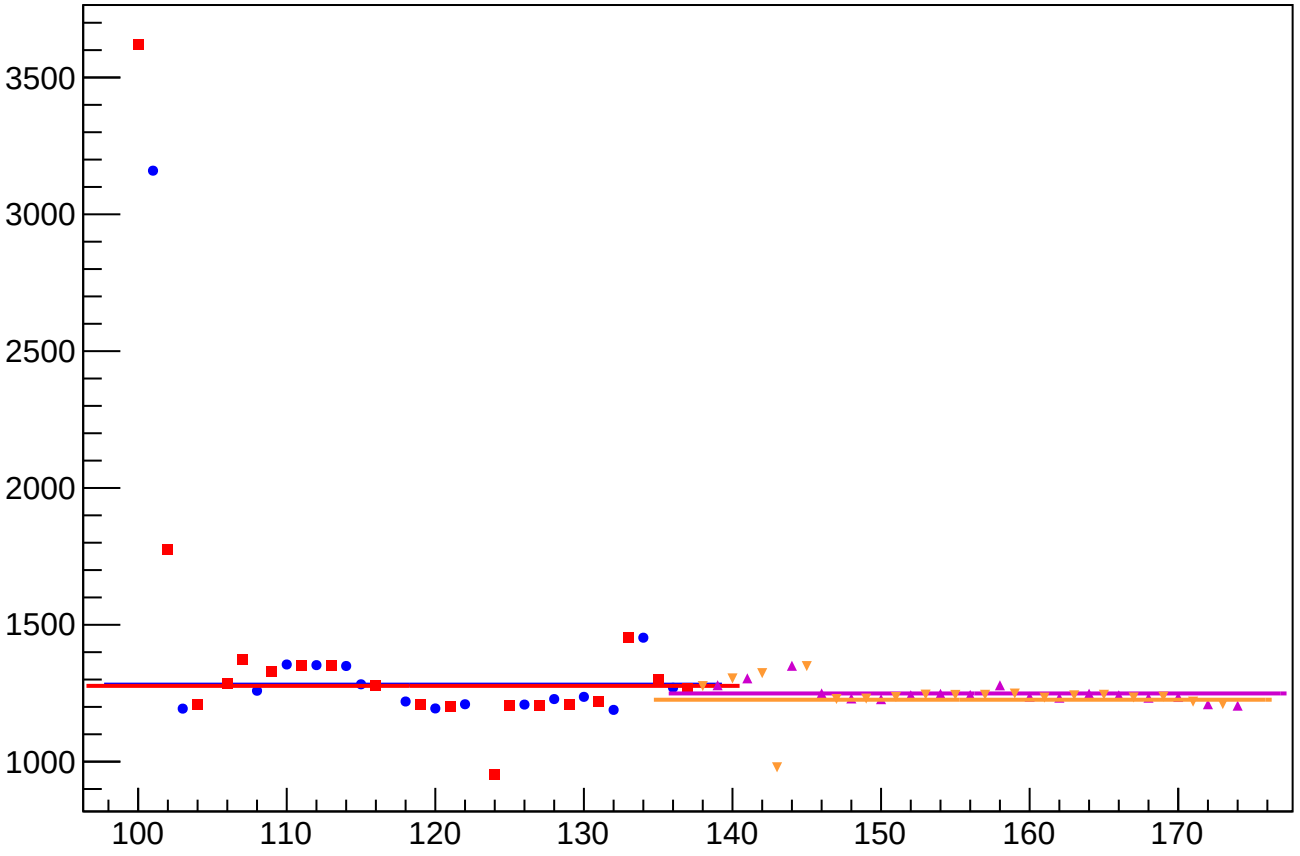
Left In: 57.171+/-323.922 χ^2/NDF:11.7/17

\+ sign 20.414+/-265.404 χ^2/NDF: 40.9/34

All: 102.027+/-188.558 χ^2/NDF: 70.0/71

\- 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: 1226.218+/-0.224 χ^2/NDF:133256.4/18

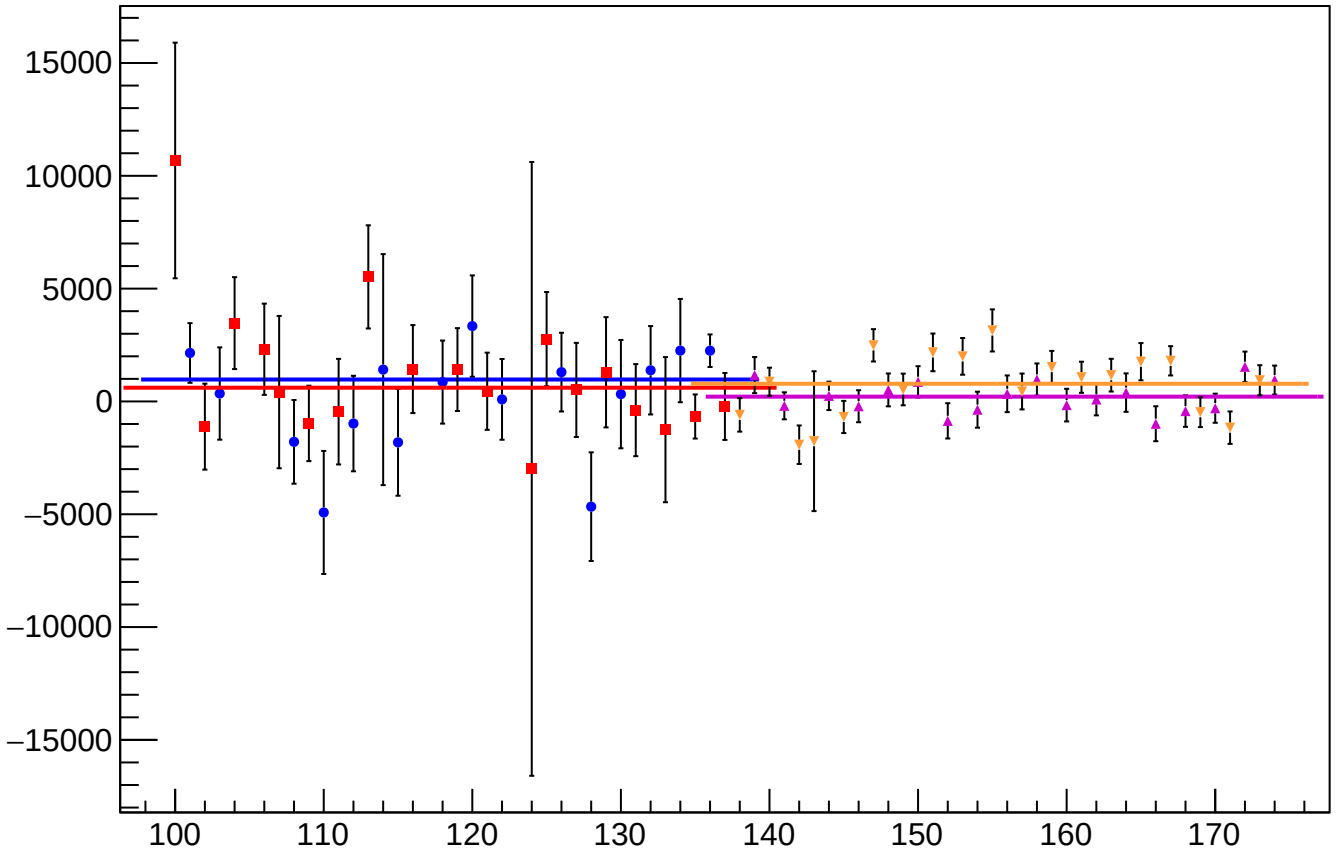
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1249.177+/-0.229 χ^2/NDF:21061.2/17

+ sign 1242.700+/-0.188 χ^2/NDF: 658431.2/34

All: 1250.237+/-0.133 χ^2/NDF: 907875.8/71

- 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: 783.601+/-172.100 χ^2/NDF:52.2/18

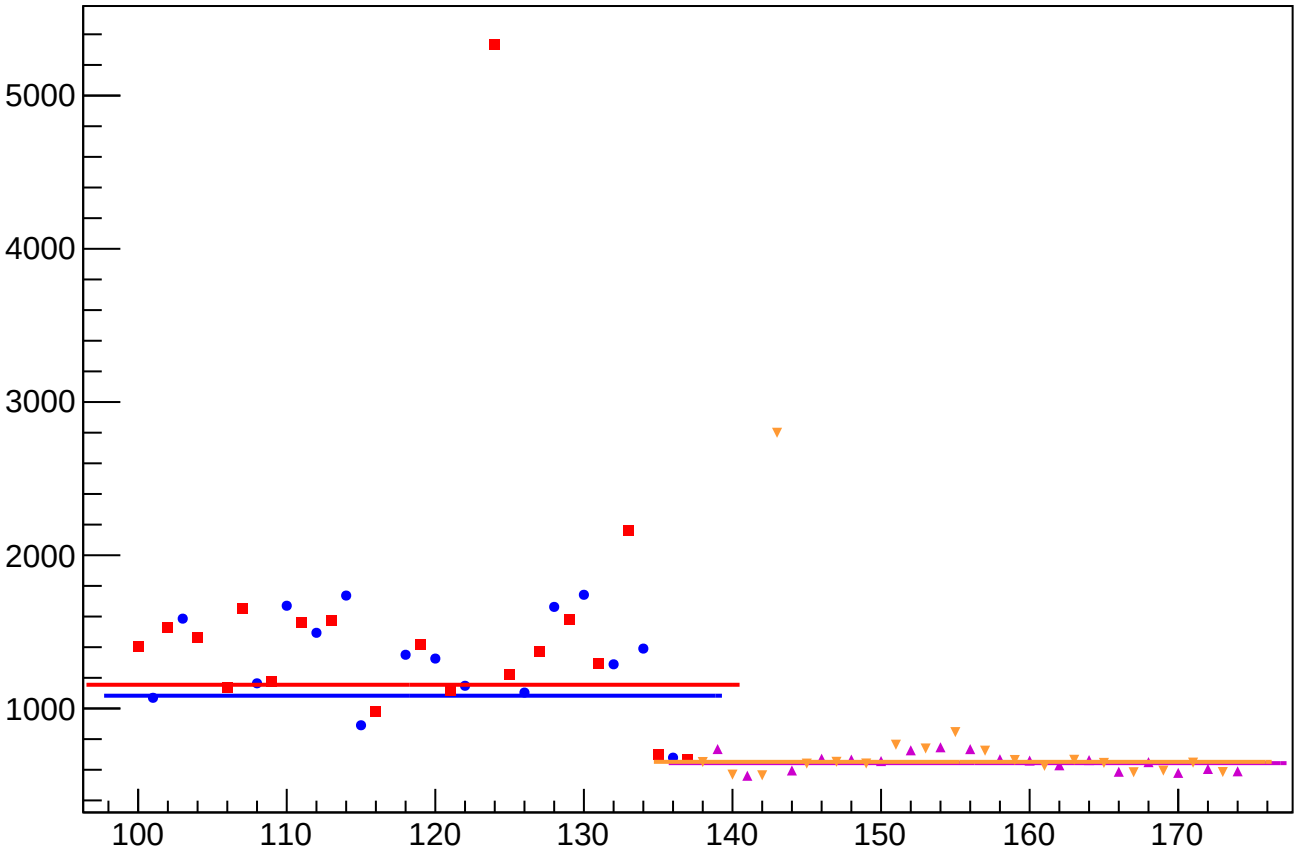
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 212.112+/-167.661 χ^2/NDF:16.3/17

+ sign 810.158+/-159.529 χ^2/NDF: 72.8/34

All: 531.140+/-111.904 χ^2/NDF: 112.9/71

- 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: 651.696+/-0.122 χ^2/NDF:1241884.0/18

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

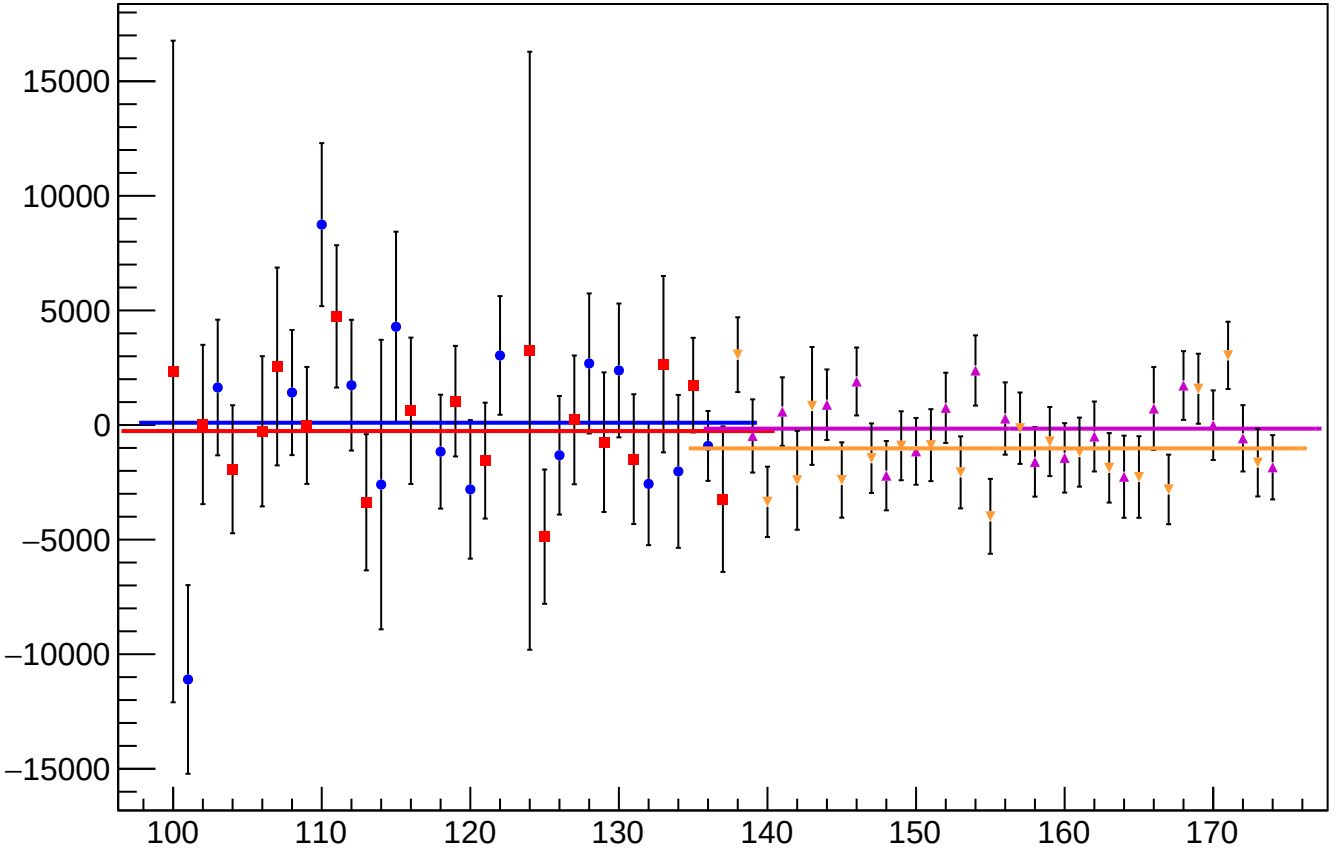
Left In: 643.230+/-0.119 χ^2/NDF:219446.3/17

+ sign 712.451+/-0.113 χ^2/NDF: 4372797.1/34

All: 709.242+/-0.079 χ^2/NDF: 8371325.1/71

- sign 706.133+/-0.111 χ^2/NDF: 3996934.9/36

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1018.747+/-366.975 χ^2/NDF:27.3/18

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

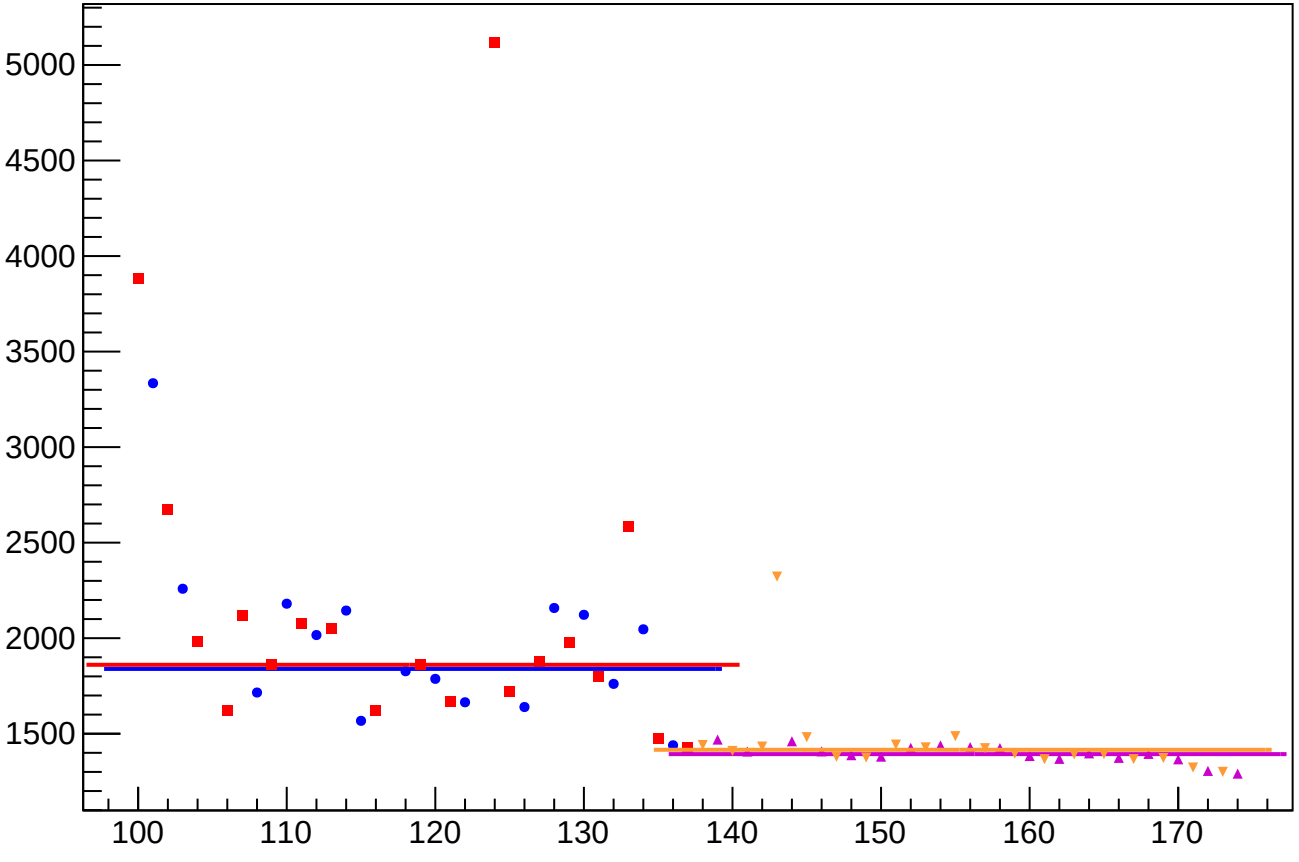
Left In: -158.419+/-361.362 χ^2/NDF:14.5/17

+ sign -776.912+/-324.917 χ^2/NDF: 50.6/34

All: -475.098+/-228.380 χ^2/NDF: 77.2/71

- 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: 1415.940+/-0.259 χ^2/NDF:286675.4/18

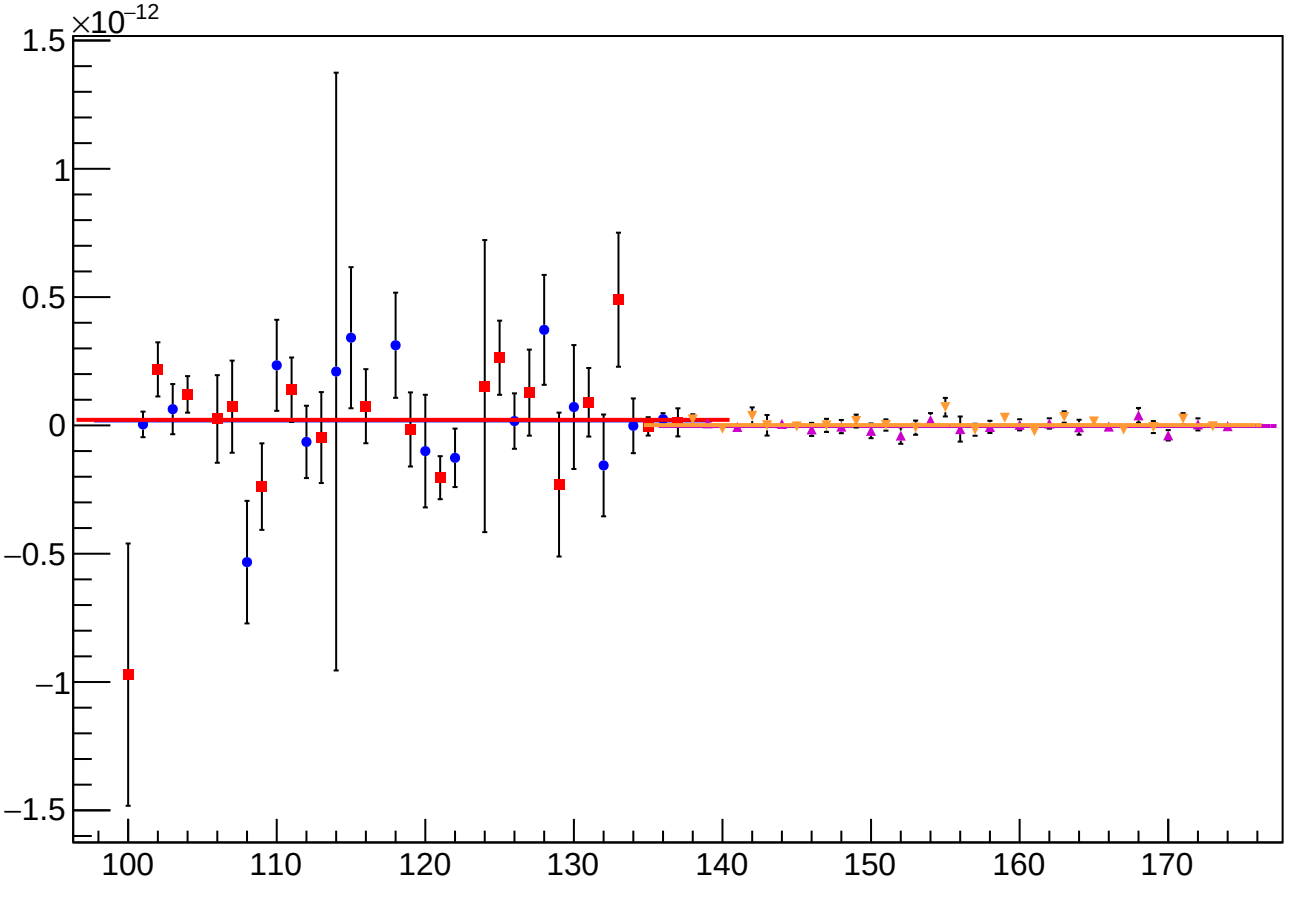
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1393.181+/-0.256 χ^2/NDF:32982.0/17

+ sign 1507.379+/-0.230 χ^2/NDF: 1418054.7/34

All: 1499.411+/-0.161 χ^2/NDF: 2680557.7/71

- 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:18.7/18

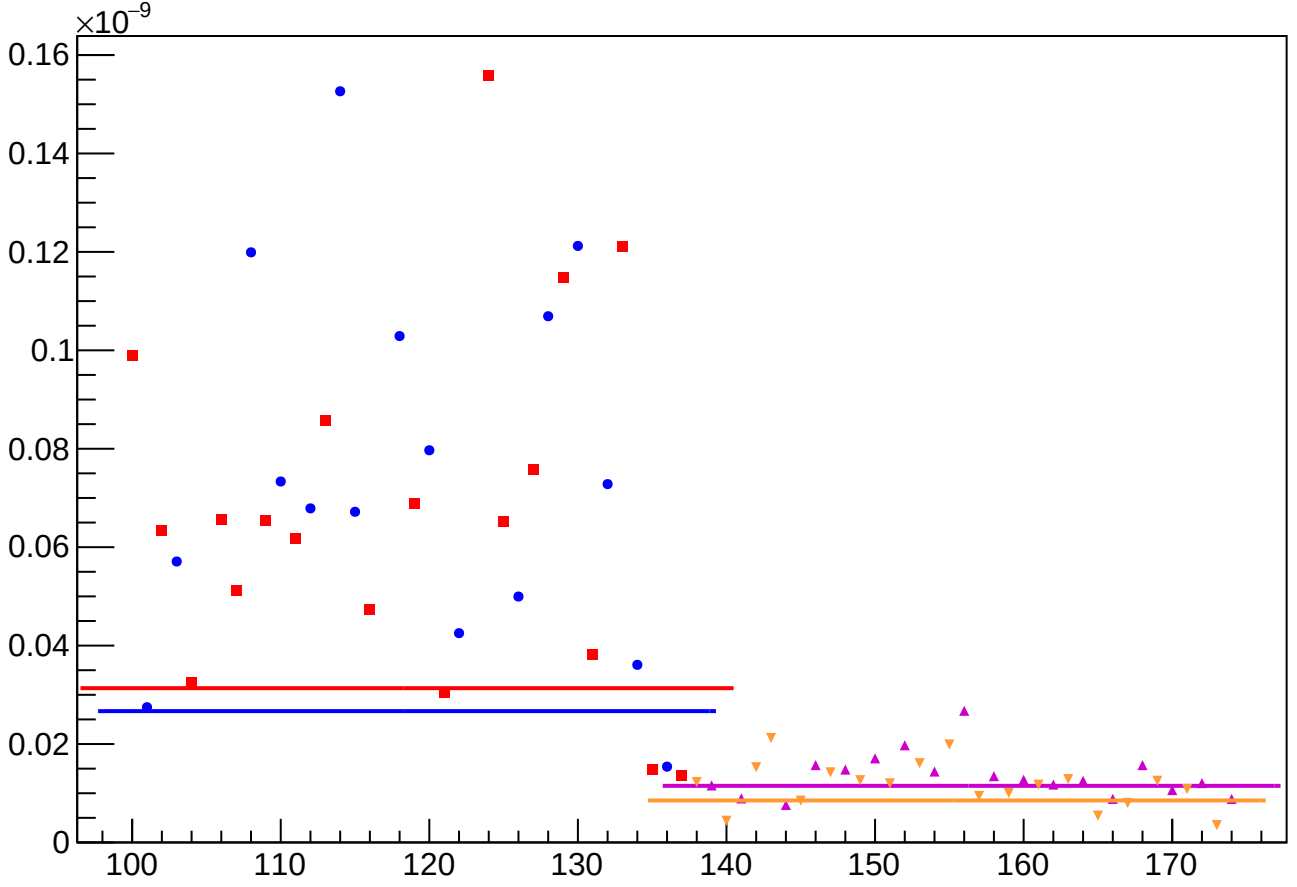
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

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

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/34

All: 0.000+/-0.000 χ^2/NDF: 74.9/71

- 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:1997620.0/18

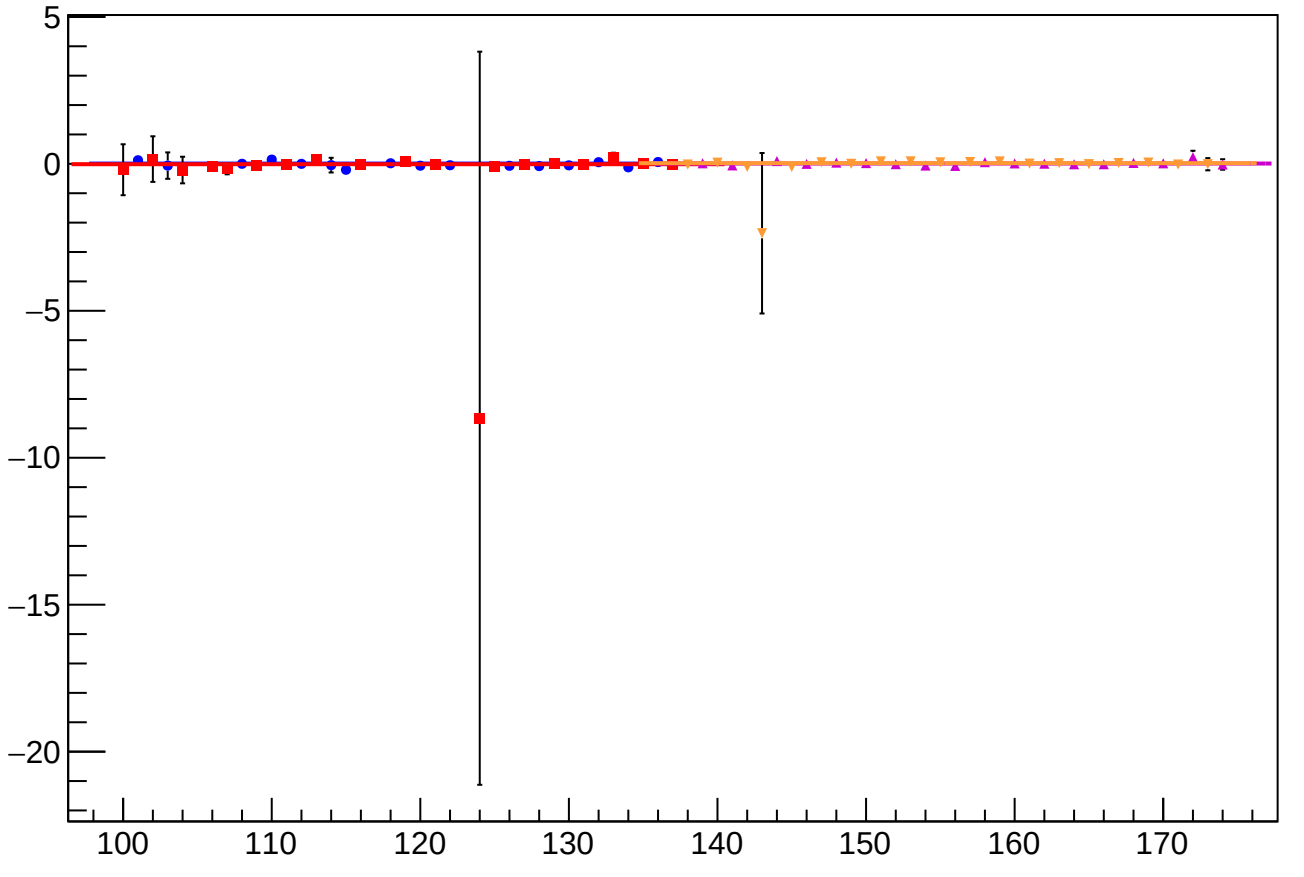
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:892877.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 6351721.0/34

All: 0.000+/-0.000 χ^2/NDF: 11480858.5/71

- 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:18.1/18

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

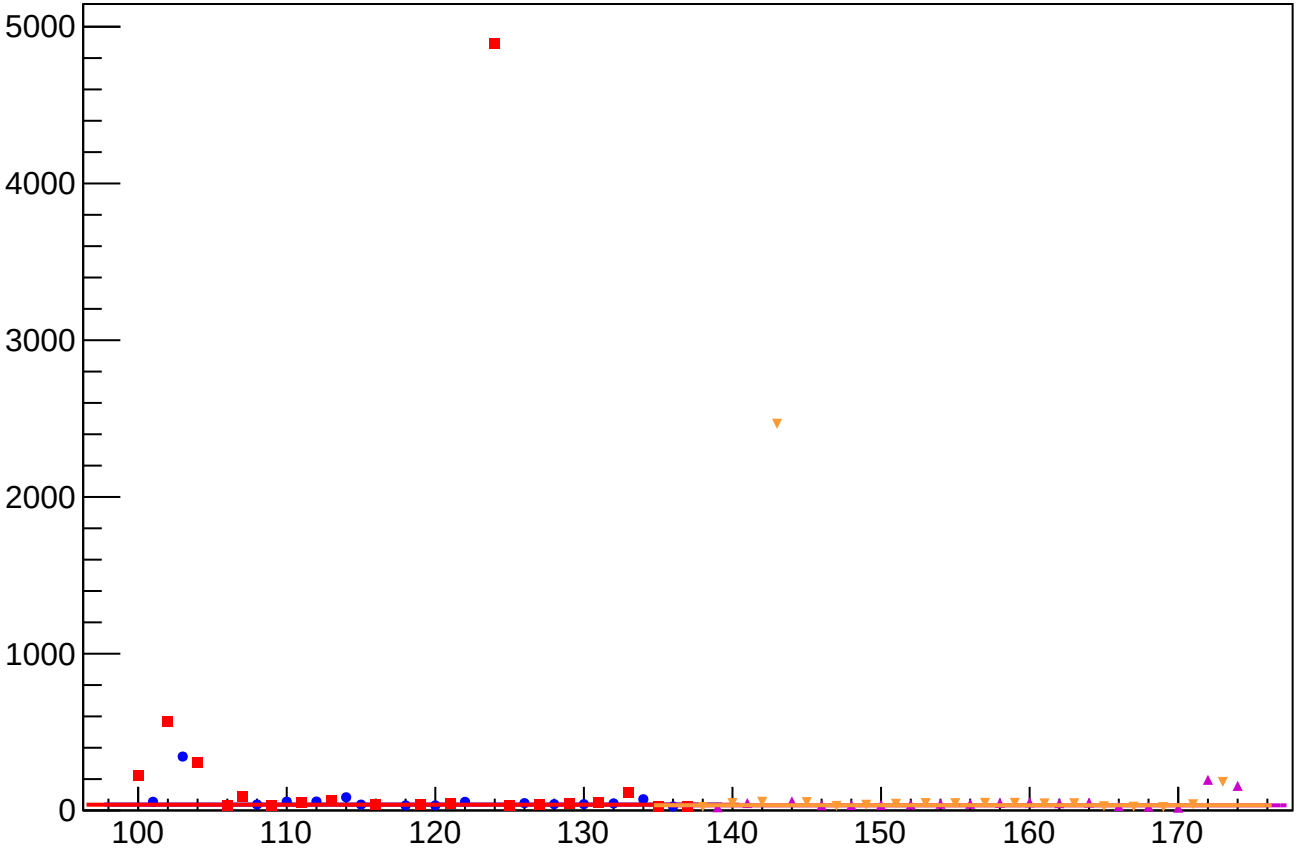
Left In: 0.010+/-0.010 χ^2/NDF:11.9/17

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/34

All: 0.011+/-0.006 χ^2/NDF: 65.2/71

- 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: 33.336+/-0.007 χ^2/NDF:4999907.8/18

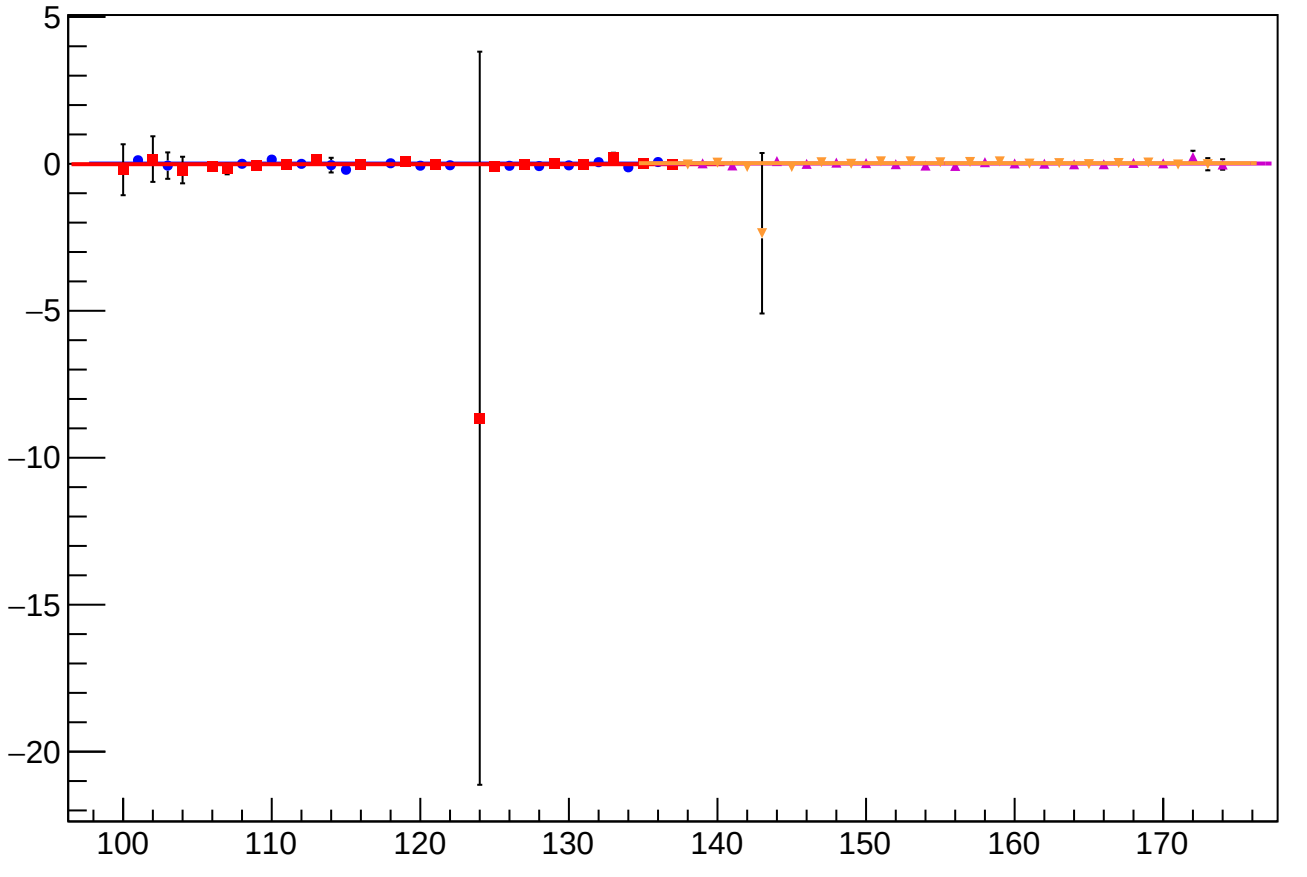
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.619+/-0.007 χ^2/NDF:4812878.9/17

+ sign 34.535+/-0.006 χ^2/NDF: 7078365.4/34

All: 34.121+/-0.004 χ^2/NDF: 15182759.8/71

- 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:18.1/18

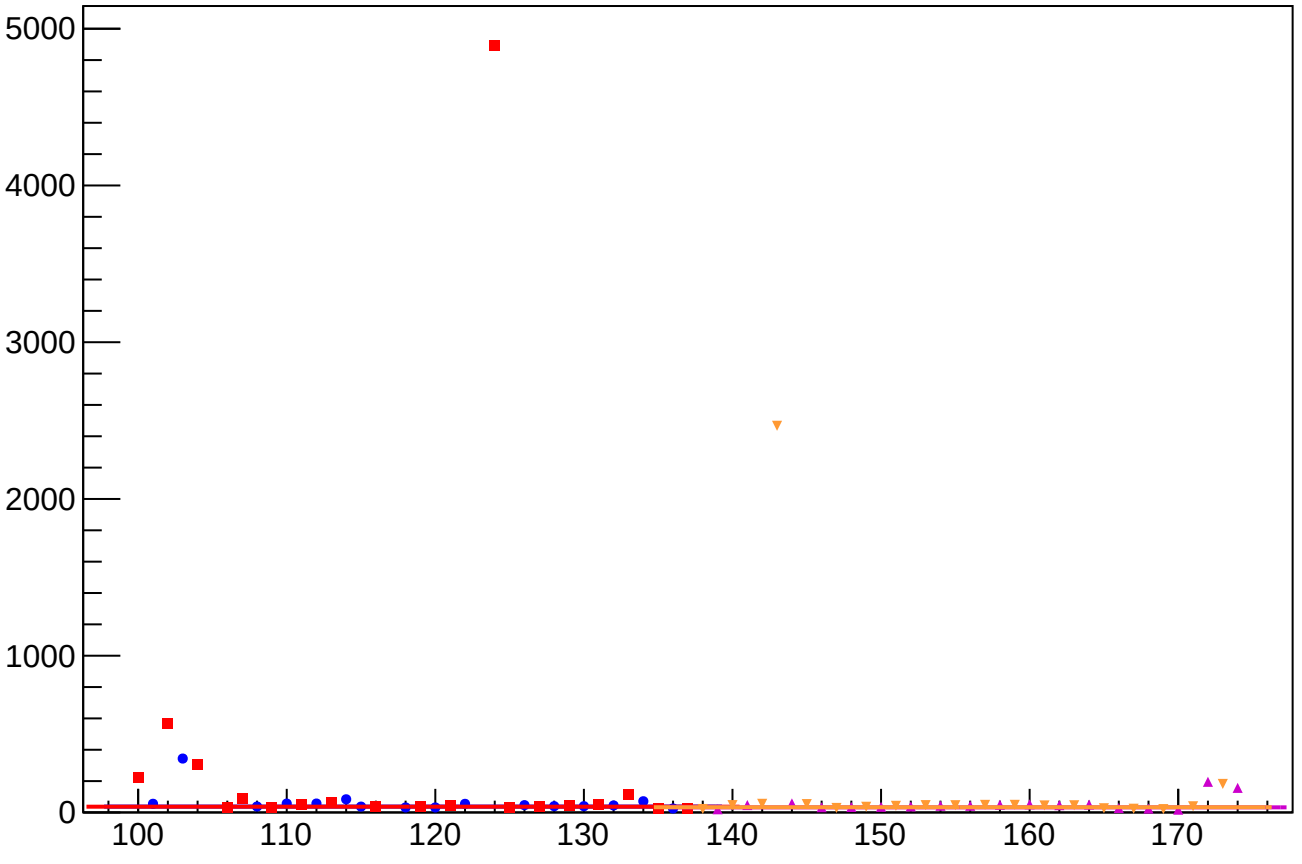
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:11.9/17

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/34

All: 0.011+/-0.006 χ^2/NDF: 65.2/71

- 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: 33.336+/-0.007 χ^2/NDF:4999907.8/18

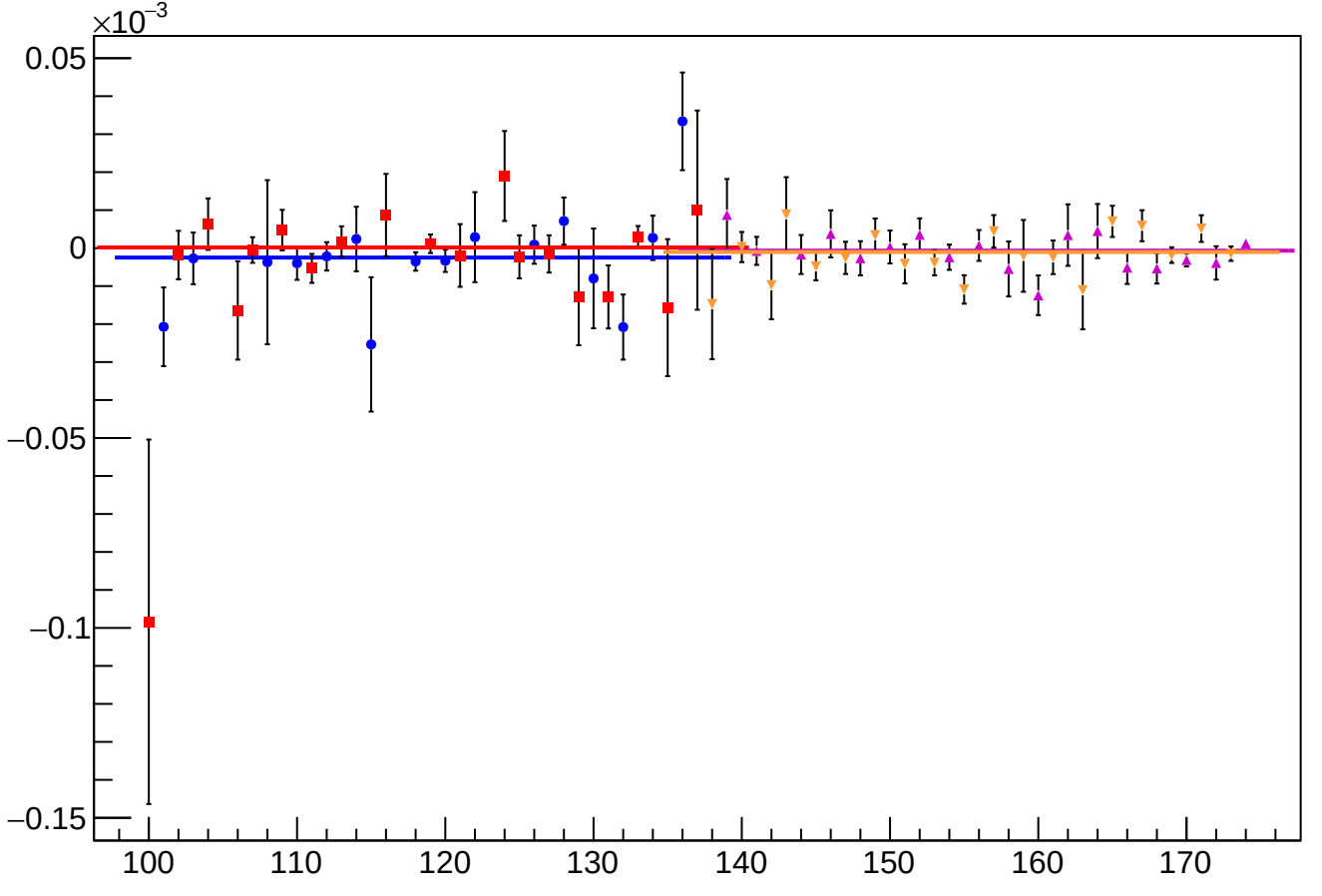
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.619+/-0.007 χ^2/NDF:4812878.9/17

+ sign 34.535+/-0.006 χ^2/NDF: 7078365.4/34

All: 34.121+/-0.004 χ^2/NDF: 15182759.8/71

- 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:26.0/18

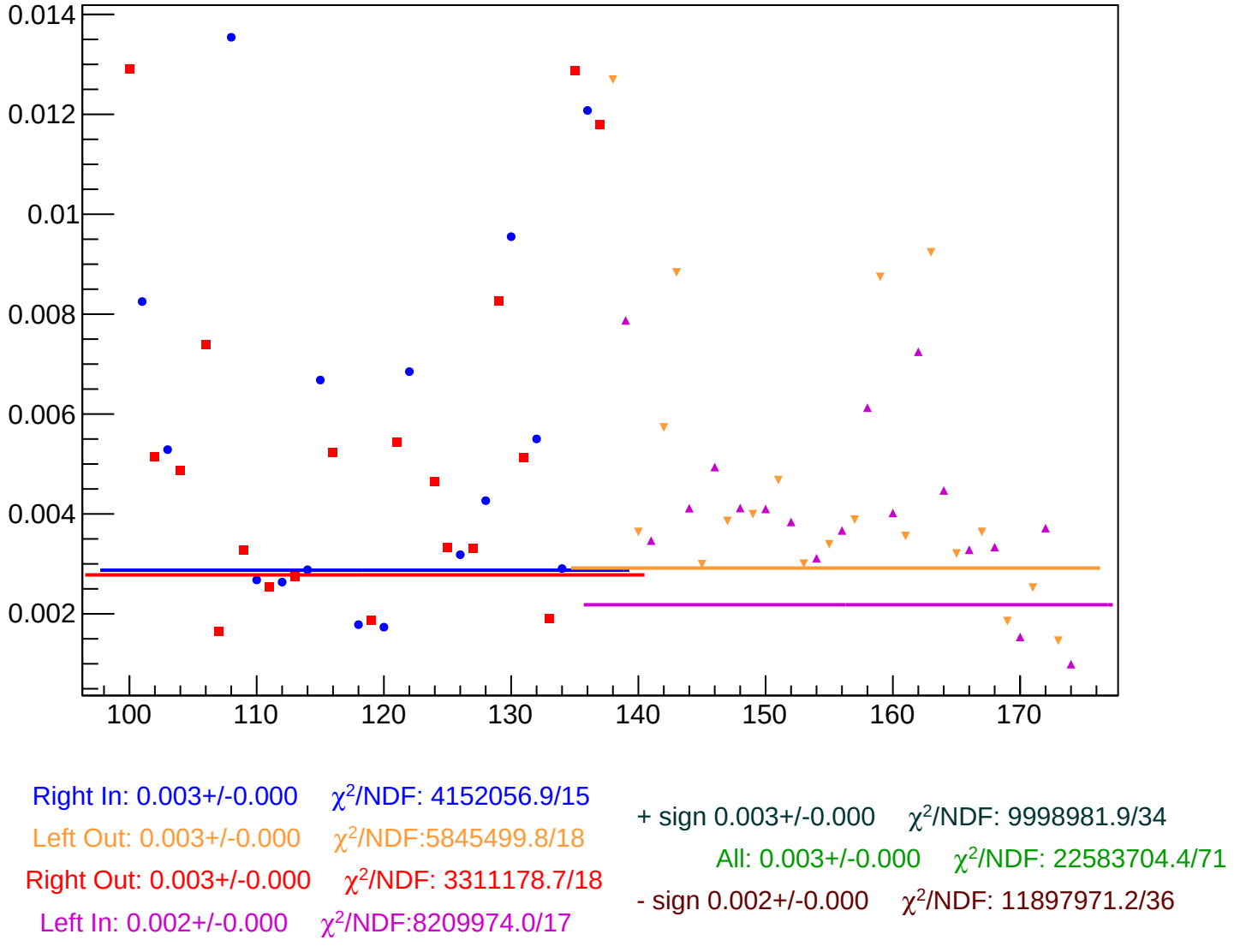
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

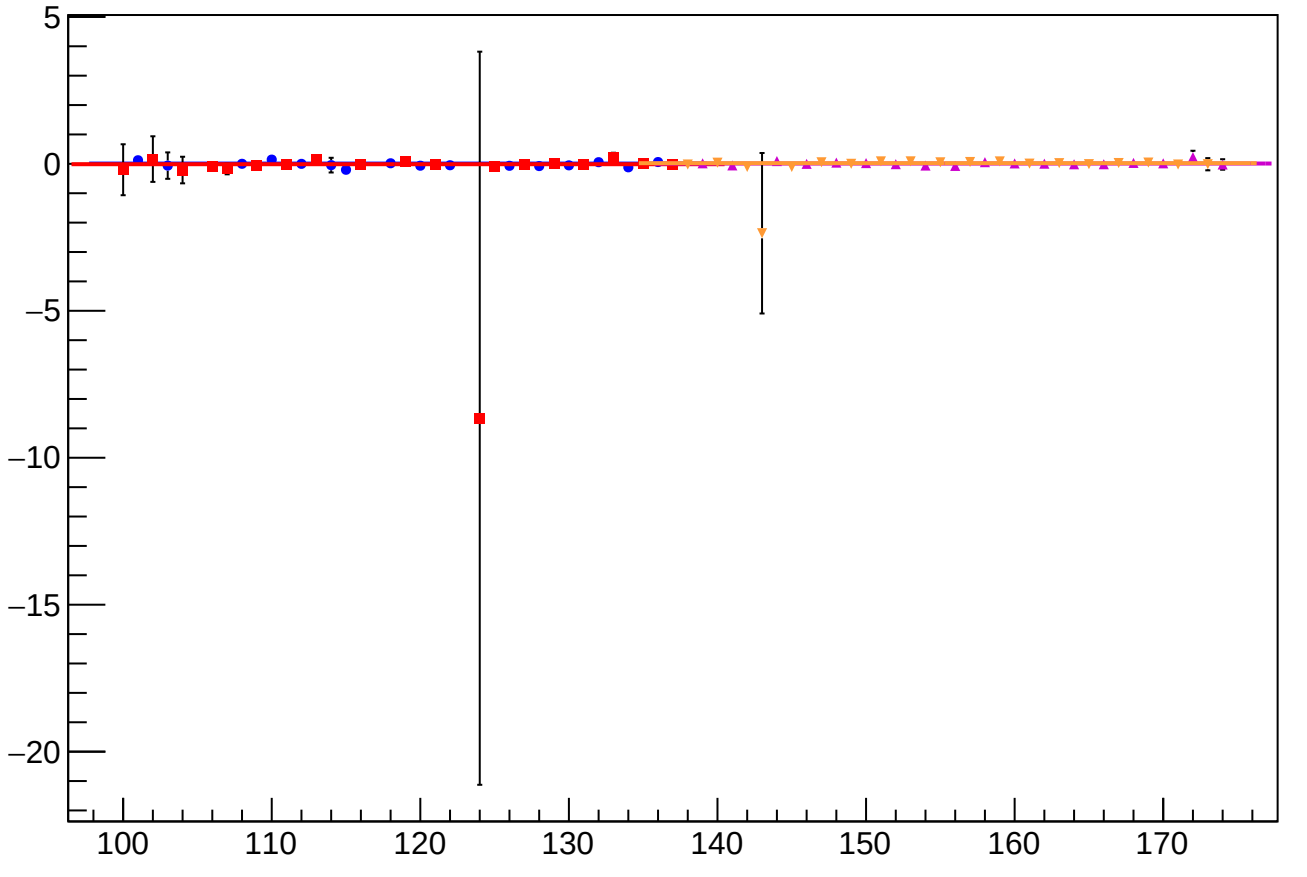
Left In: -0.000+/-0.000 χ^2/NDF:17.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 48.7/34

All: -0.000+/-0.000 χ^2/NDF: 86.6/71

- sign -0.000+/-0.000 χ^2/NDF: 36.7/36


asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.003+/-0.000 χ²/NDF:5845499.8/18
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.002+/-0.000 χ²/NDF:8209974.0/17
+ sign 0.003+/-0.000 χ²/NDF: 9998981.9/34
All: 0.003+/-0.000 χ²/NDF: 22583704.4/71
- sign 0.002+/-0.000 χ²/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:18.1/18

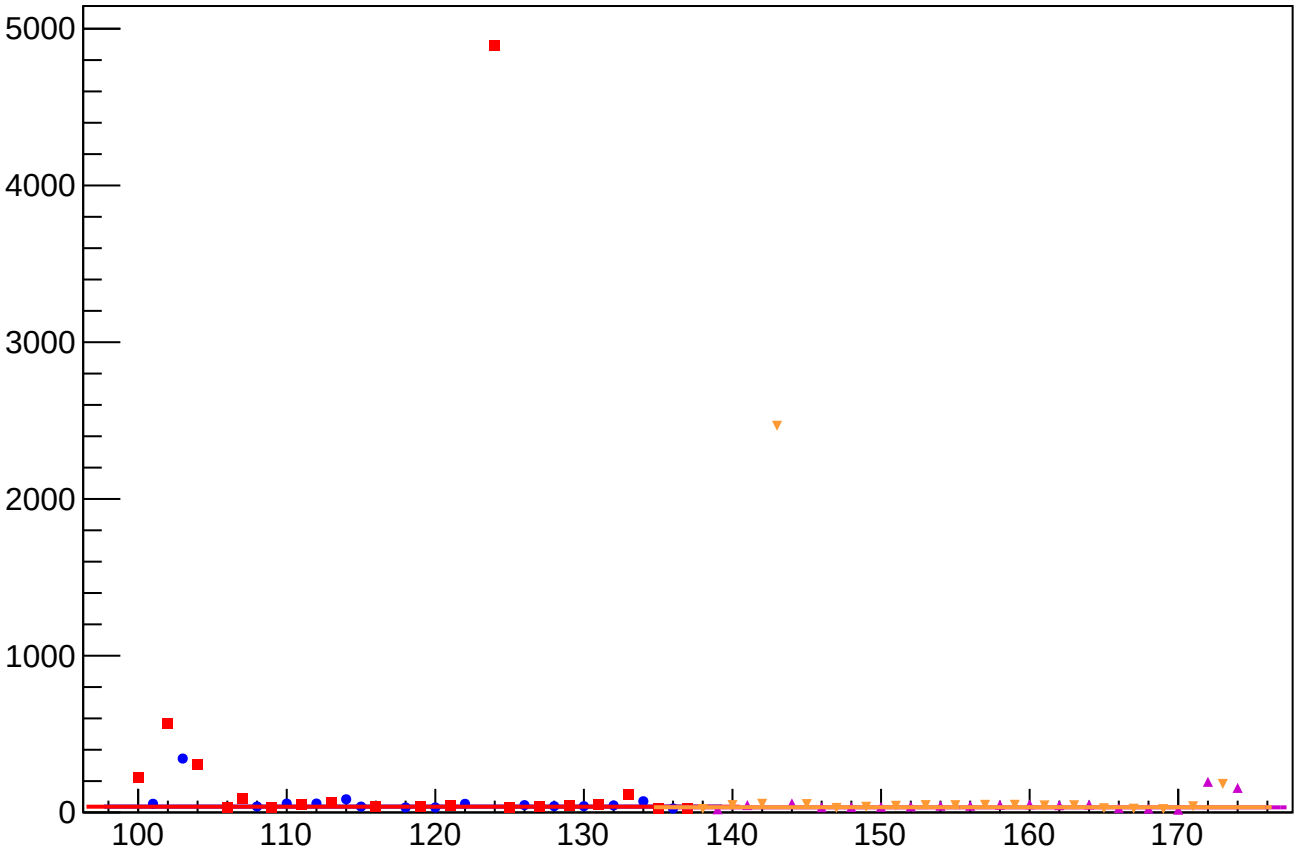
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:11.9/17

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/34

All: 0.011+/-0.006 χ^2/NDF: 65.2/71

- 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: 33.335+/-0.007 χ^2/NDF:4999975.4/18

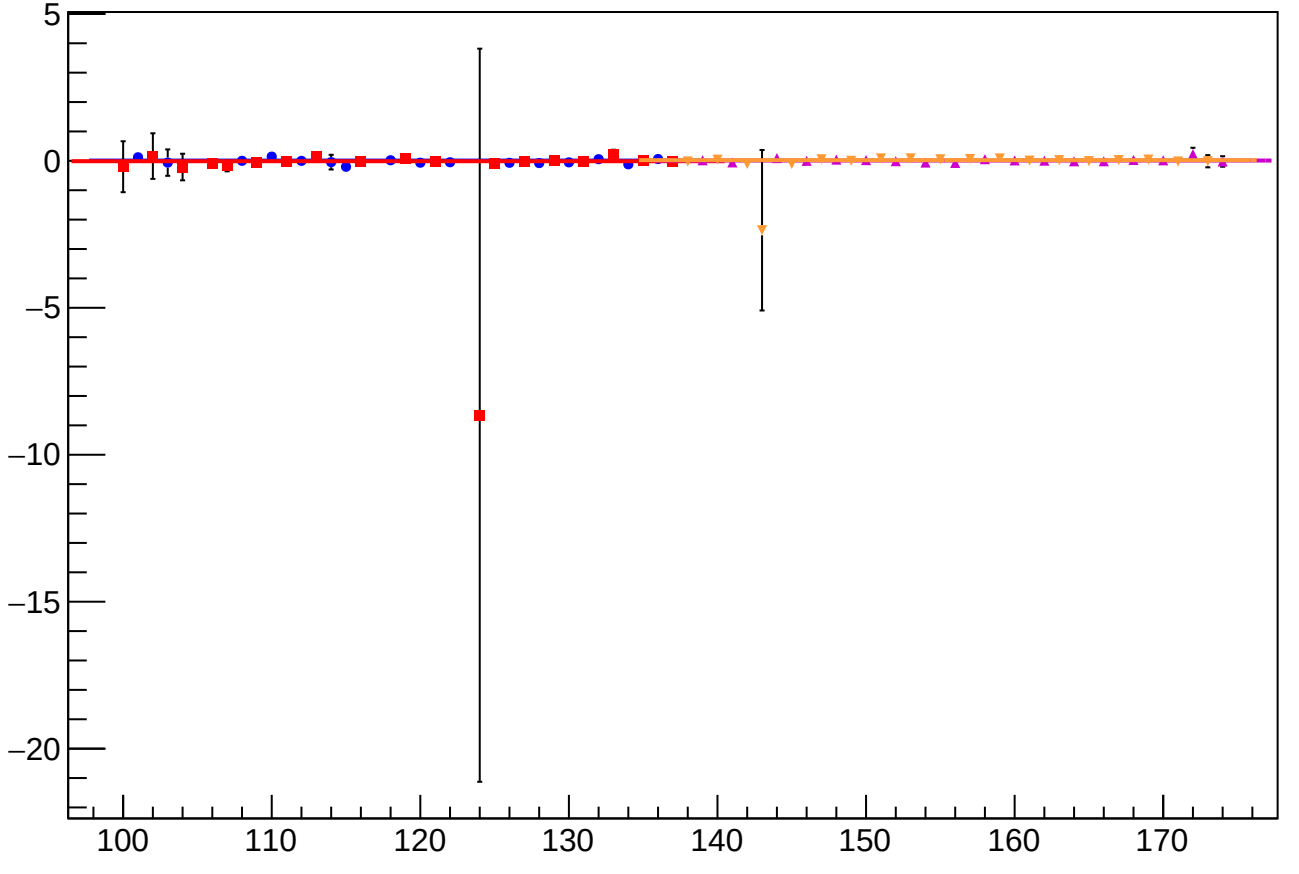
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.621+/-0.007 χ^2/NDF:4811697.3/17

+ sign 34.535+/-0.006 χ^2/NDF: 7078430.8/34

All: 34.122+/-0.004 χ^2/NDF: 15181255.9/71

- 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:18.1/18

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

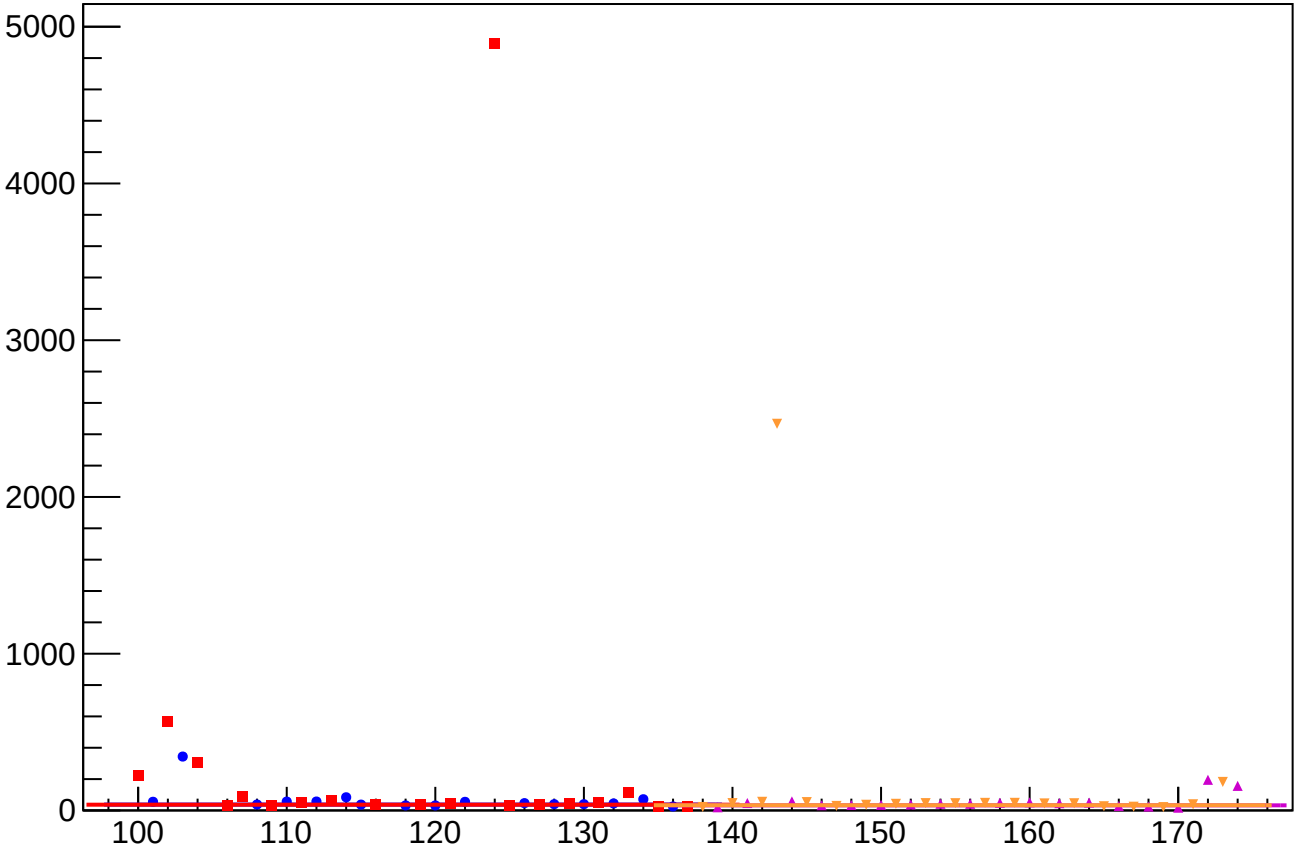
Left In: 0.010+/-0.010 χ^2/NDF:11.9/17

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/34

All: 0.011+/-0.006 χ^2/NDF: 65.2/71

- 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: 33.335+/-0.007 χ^2/NDF:4999975.4/18

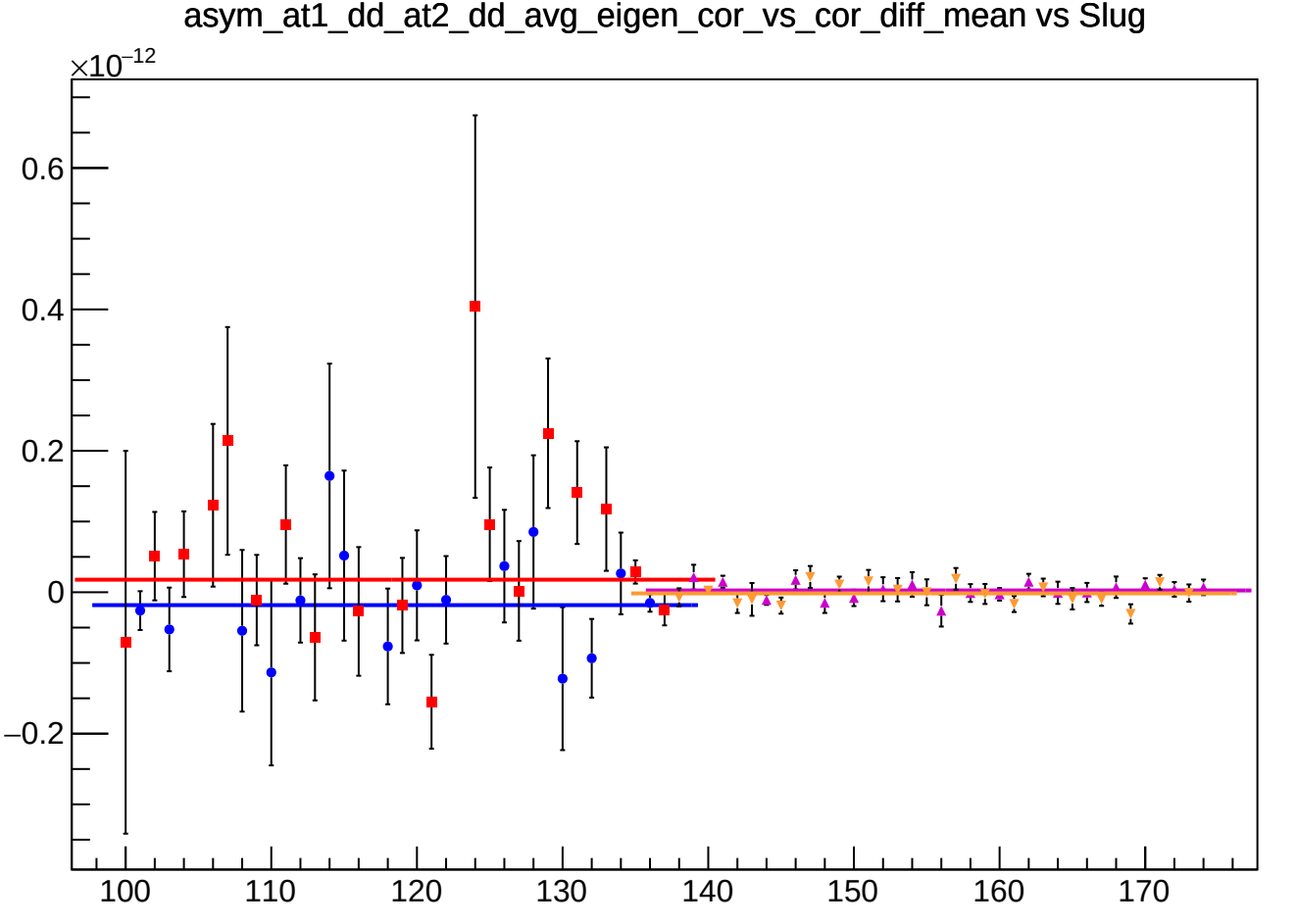
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.621+/-0.007 χ^2/NDF:4811697.3/17

+ sign 34.535+/-0.006 χ^2/NDF: 7078430.8/34

All: 34.122+/-0.004 χ^2/NDF: 15181255.9/71

- 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:20.5/18

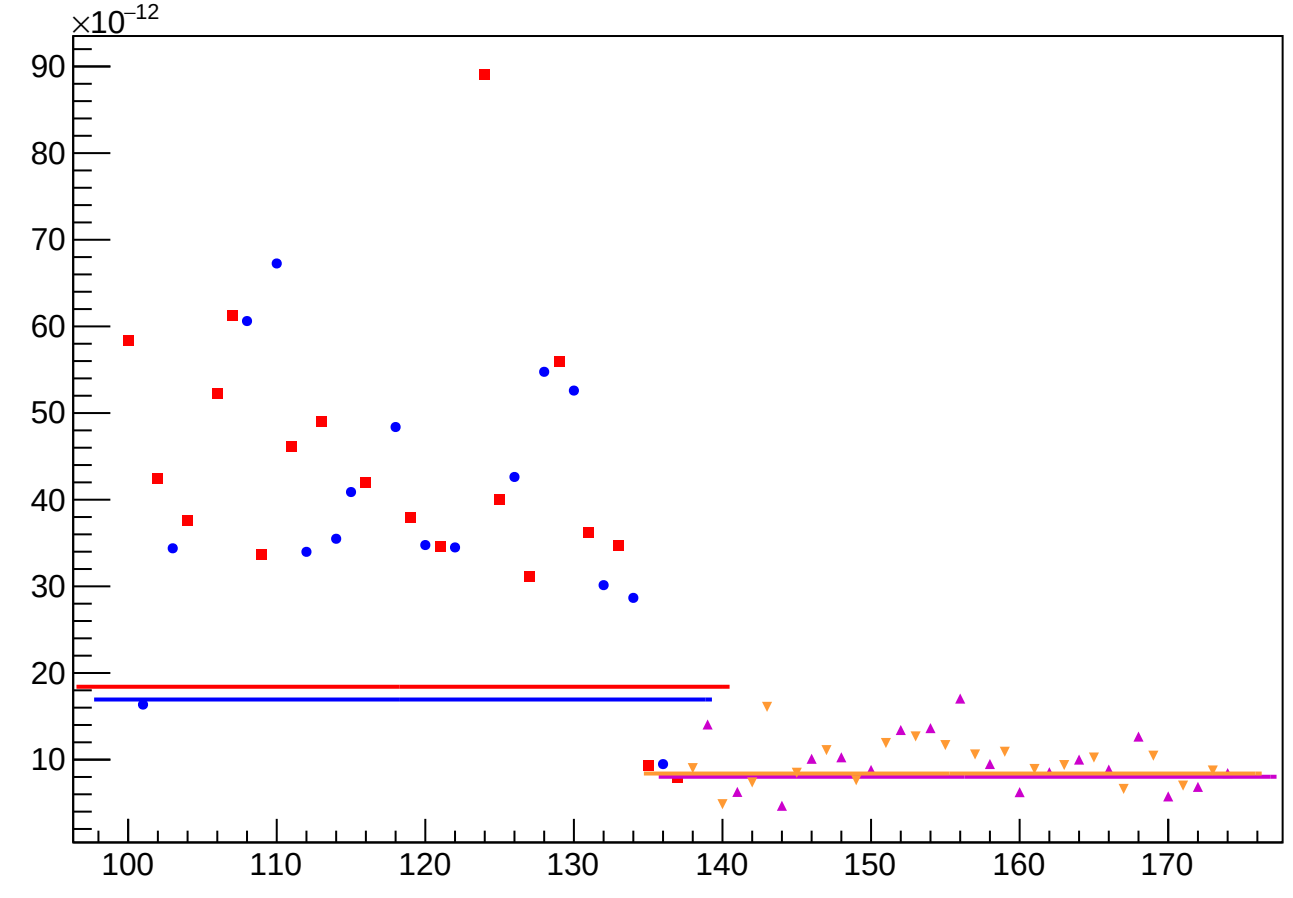
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:15.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 31.4/34

All: 0.000+/-0.000 χ^2/NDF: 78.2/71

- sign 0.000+/-0.000 χ^2/NDF: 44.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1452973.7/18

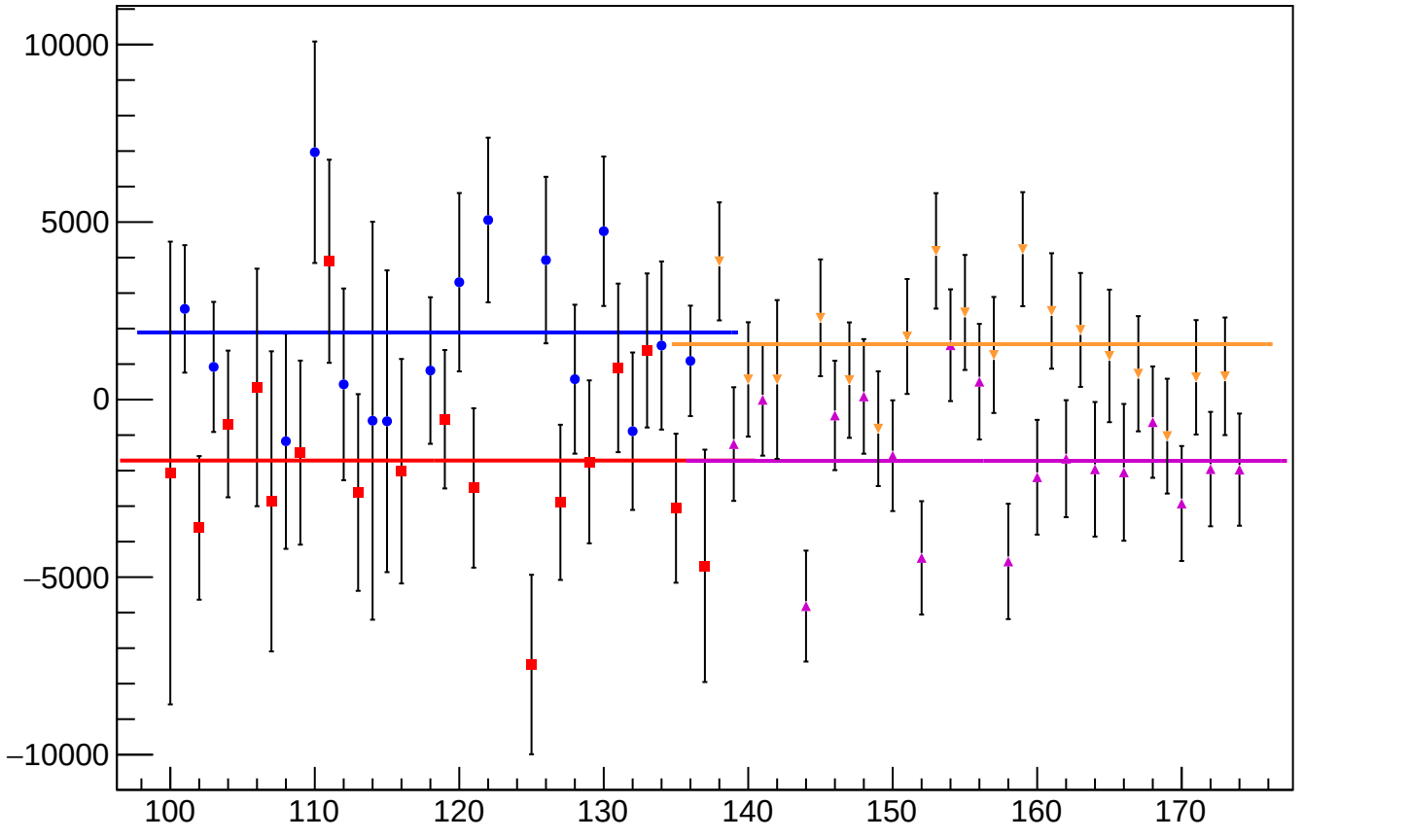
Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2102767.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 6034305.8/34

All: 0.000+/-0.000 χ^2/NDF: 13499802.7/71

- sign 0.000+/-0.000 χ^2/NDF: 7441861.3/36



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1561.311+/-390.780 χ^2/NDF:14.9/17

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

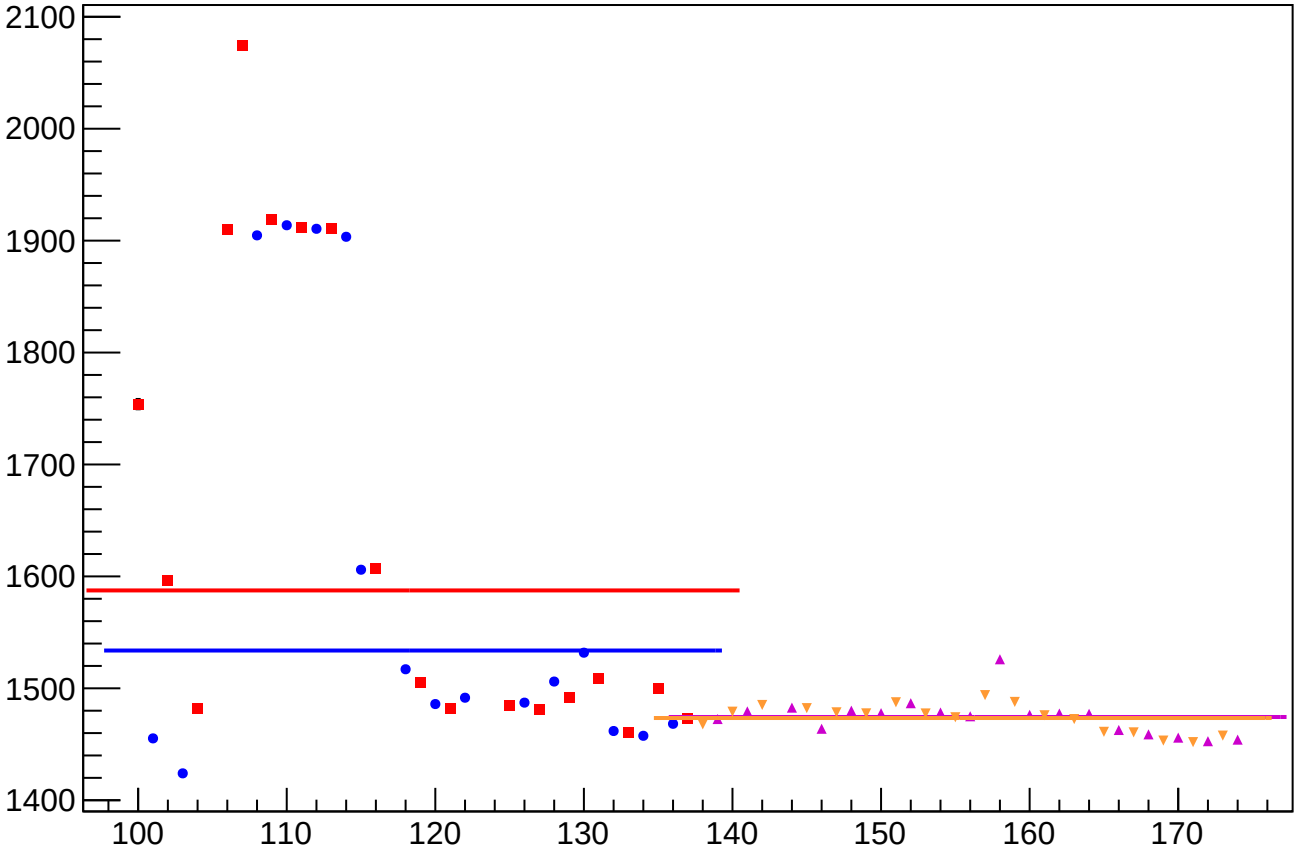
Left In: -1725.035+/-382.202 χ^2/NDF:23.4/17

+ sign 1666.307+/-322.712 χ^2/NDF: 27.4/33

All: -38.612+/-227.477 χ^2/NDF: 122.3/69

- 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: 1473.466+/-0.276 χ^2/NDF:1896.9/17

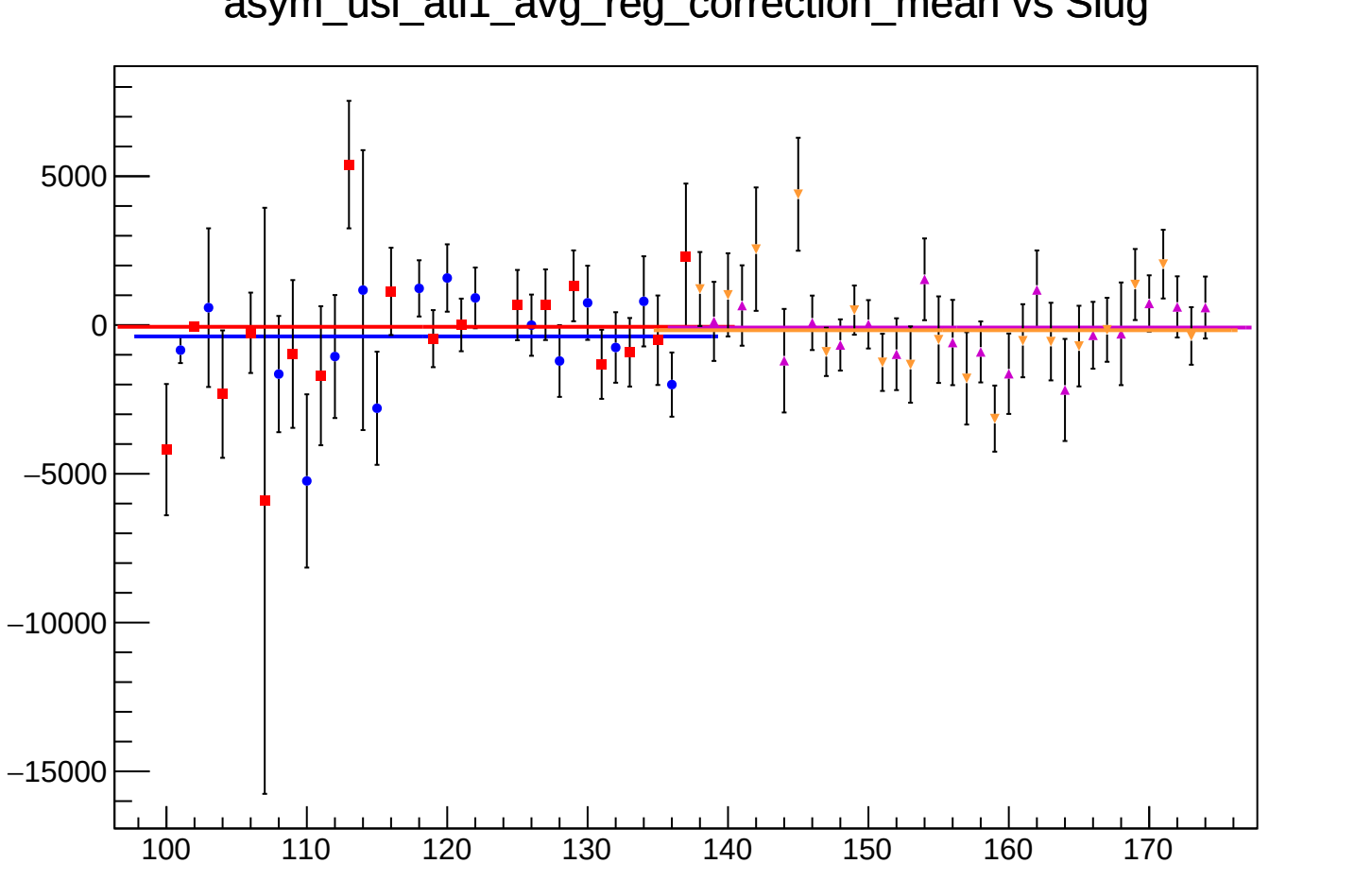
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1474.376+/-0.270 χ^2/NDF:3586.9/17

+ sign 1492.644+/-0.228 χ^2/NDF: 146316.0/33

All: 1500.291+/-0.161 χ^2/NDF: 375938.2/69

- 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: -175.310+/-275.066 χ^2/NDF:27.0/17

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

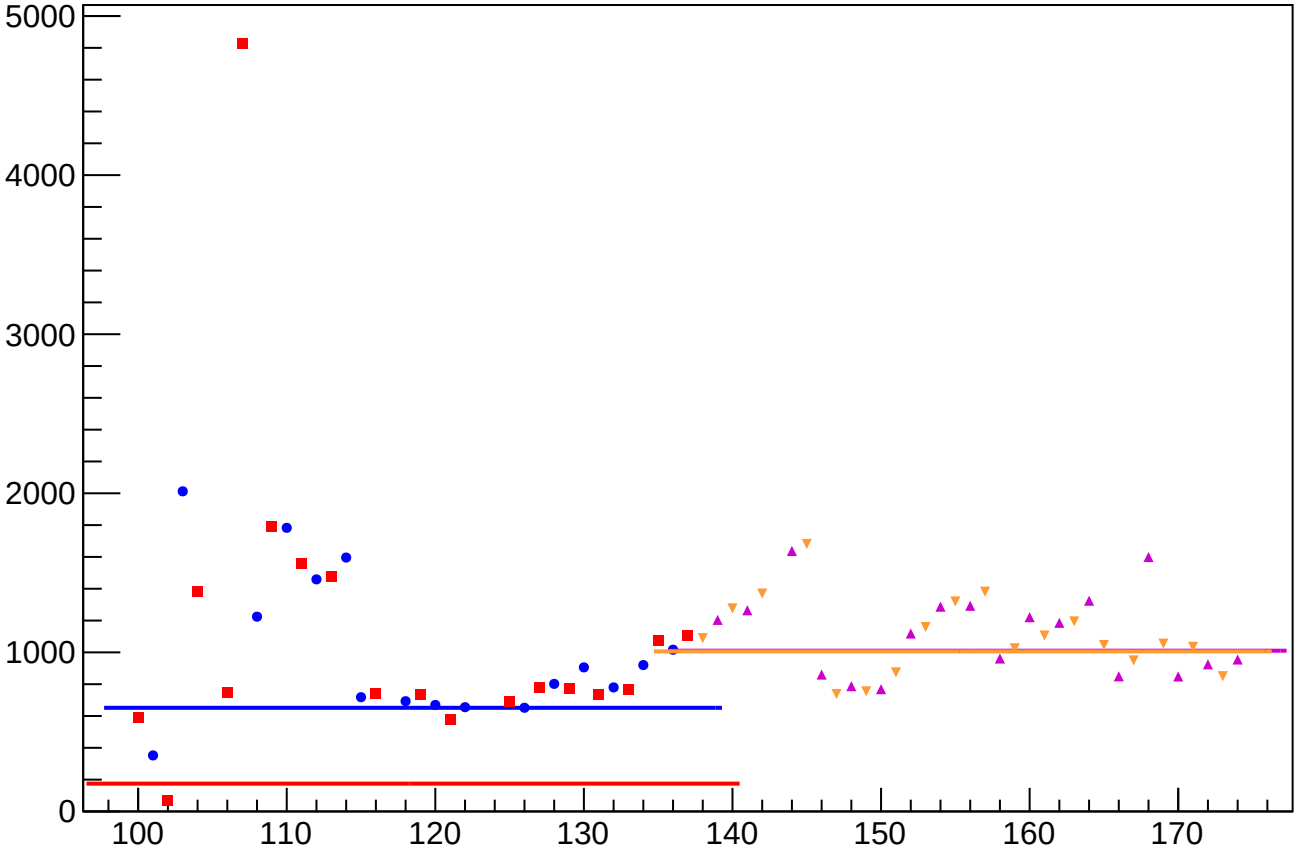
Left In: -84.766+/-269.889 χ^2/NDF:9.3/17

+ sign -280.132+/-193.483 χ^2/NDF: 45.5/33

All: -121.107+/-99.130 χ^2/NDF: 73.6/69

- 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: 1006.073+/-0.195 χ^2/NDF:1196757.3/17

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

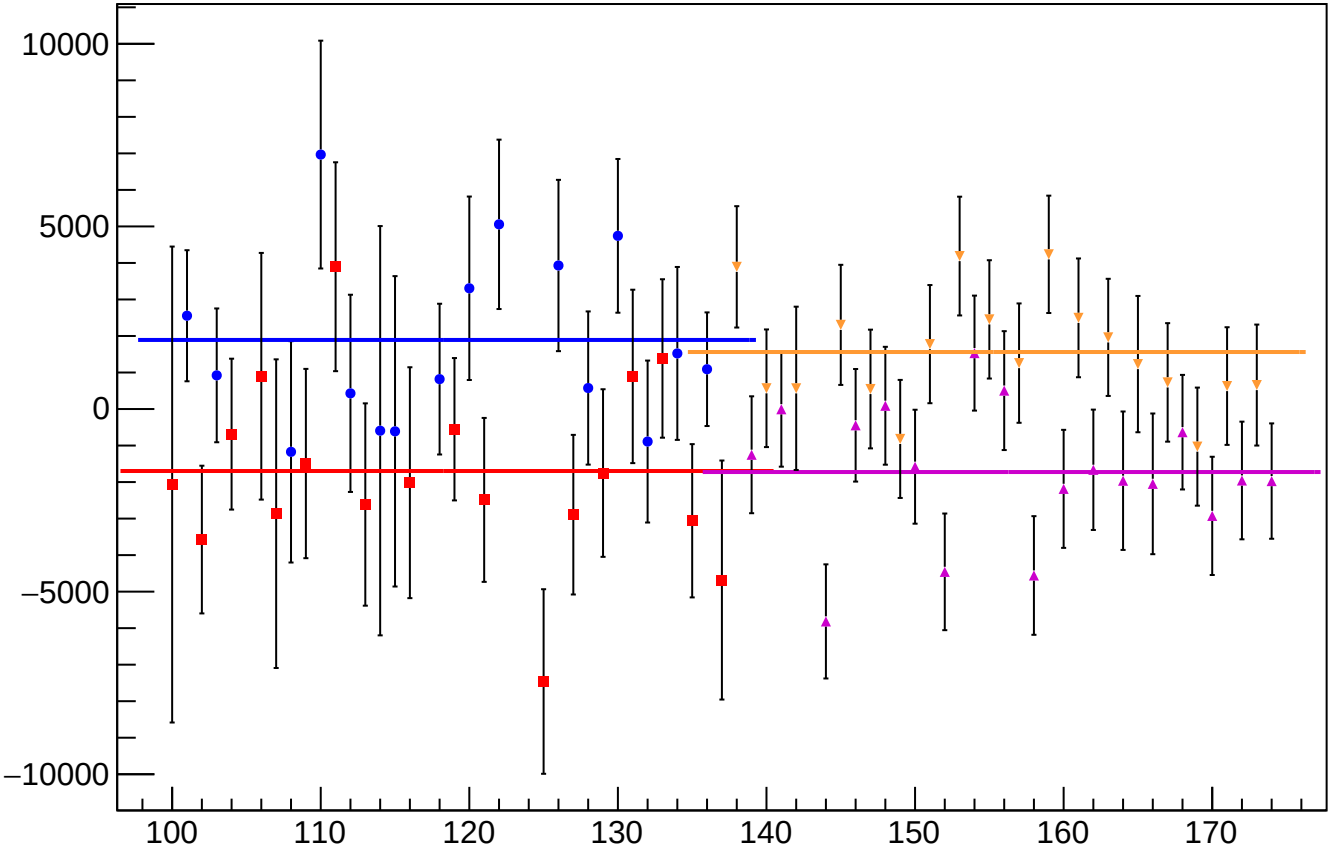
Left In: 1010.492+/-0.191 χ^2/NDF:1420179.3/17

+ sign 826.947+/-0.137 χ^2/NDF: 5638188.2/33

All: 458.788+/-0.070 χ^2/NDF: 42302524.9/69

- 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: 1561.304+/-390.780 χ^2/NDF:14.9/17

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

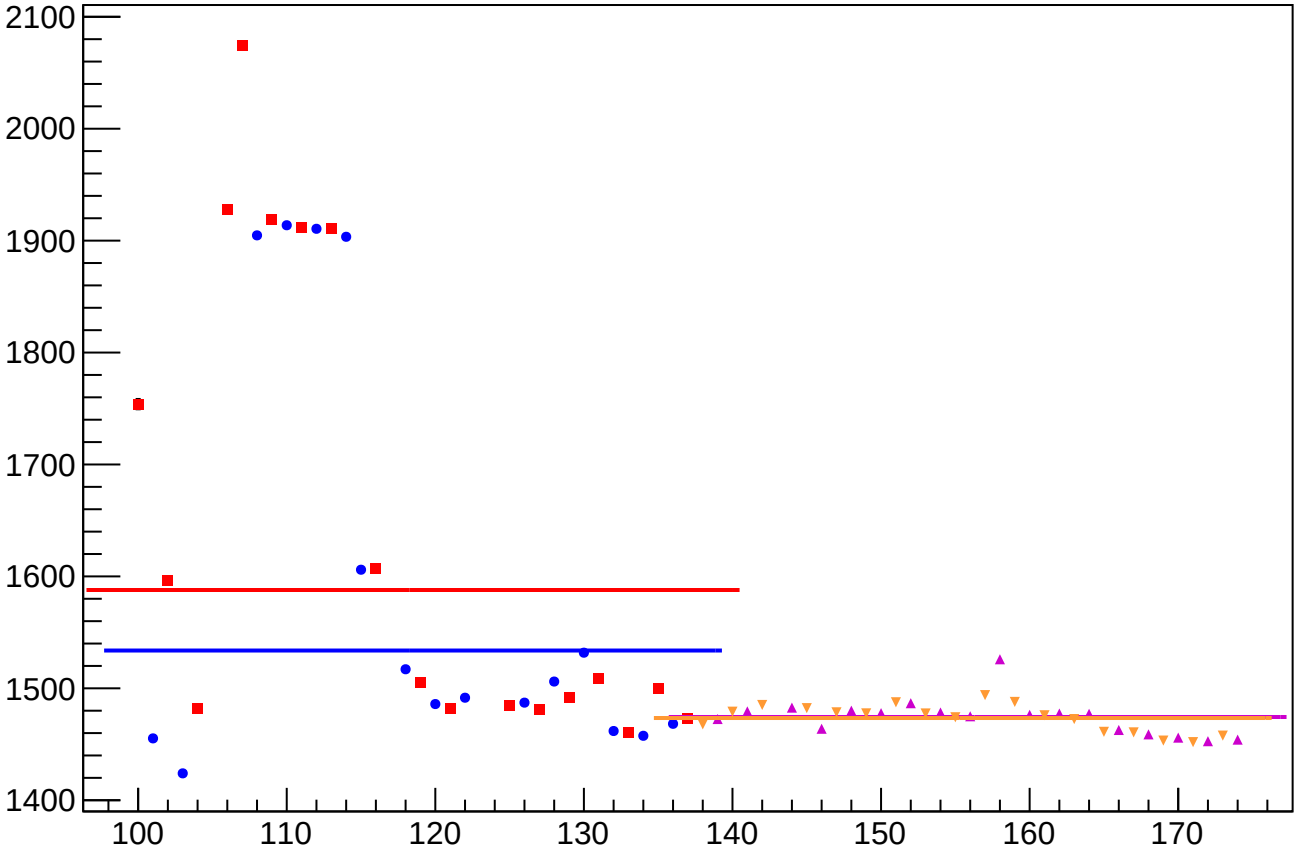
Left In: -1725.111+/-382.202 χ^2/NDF:23.4/17

+ sign 1666.336+/-322.712 χ^2/NDF: 27.4/33

All: -35.655+/-227.488 χ^2/NDF: 122.3/69

- 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: 1473.466+/-0.276 χ^2/NDF:1896.9/17

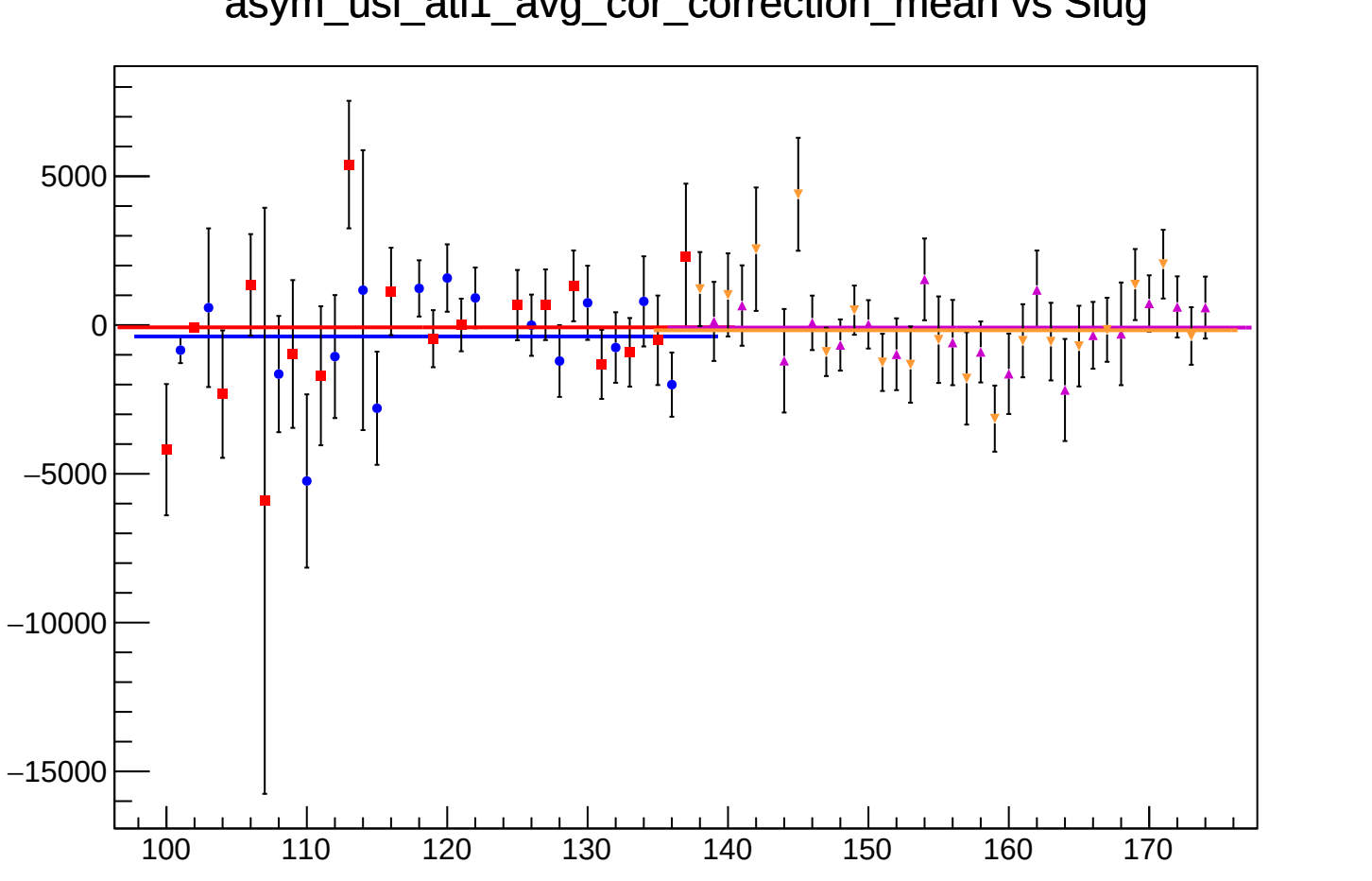
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1474.376+/-0.270 χ^2/NDF:3586.9/17

+ sign 1492.644+/-0.228 χ^2/NDF: 146315.9/33

All: 1500.340+/-0.161 χ^2/NDF: 378076.6/69

- 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: -175.316+/-275.067 χ^2/NDF:27.0/17

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

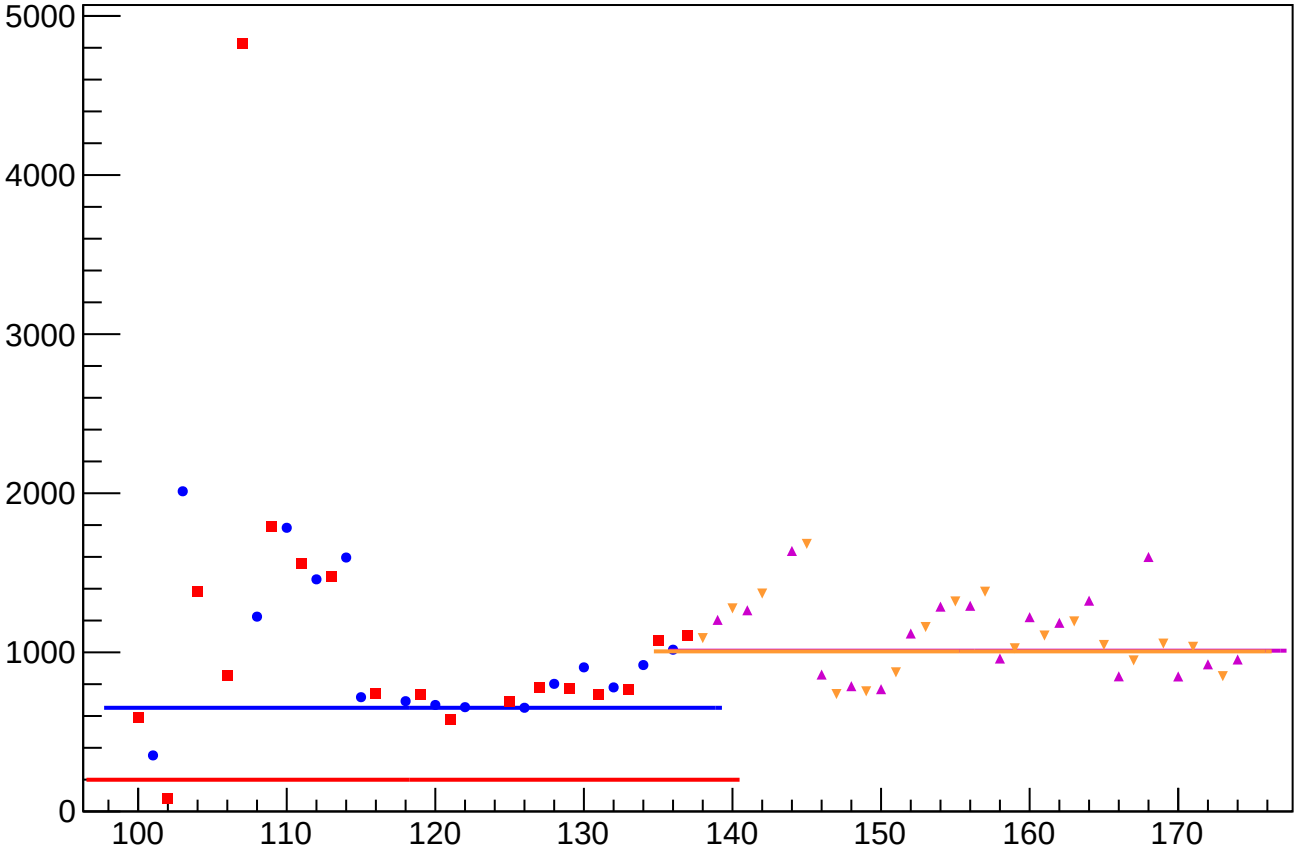
Left In: -84.824+/-269.890 χ^2/NDF:9.3/17

+ sign -280.122+/-193.483 χ^2/NDF: 45.5/33

All: -136.457+/-103.781 χ^2/NDF: 74.1/69

- 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: 1006.076+/-0.195 χ^2/NDF:1196773.9/17

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

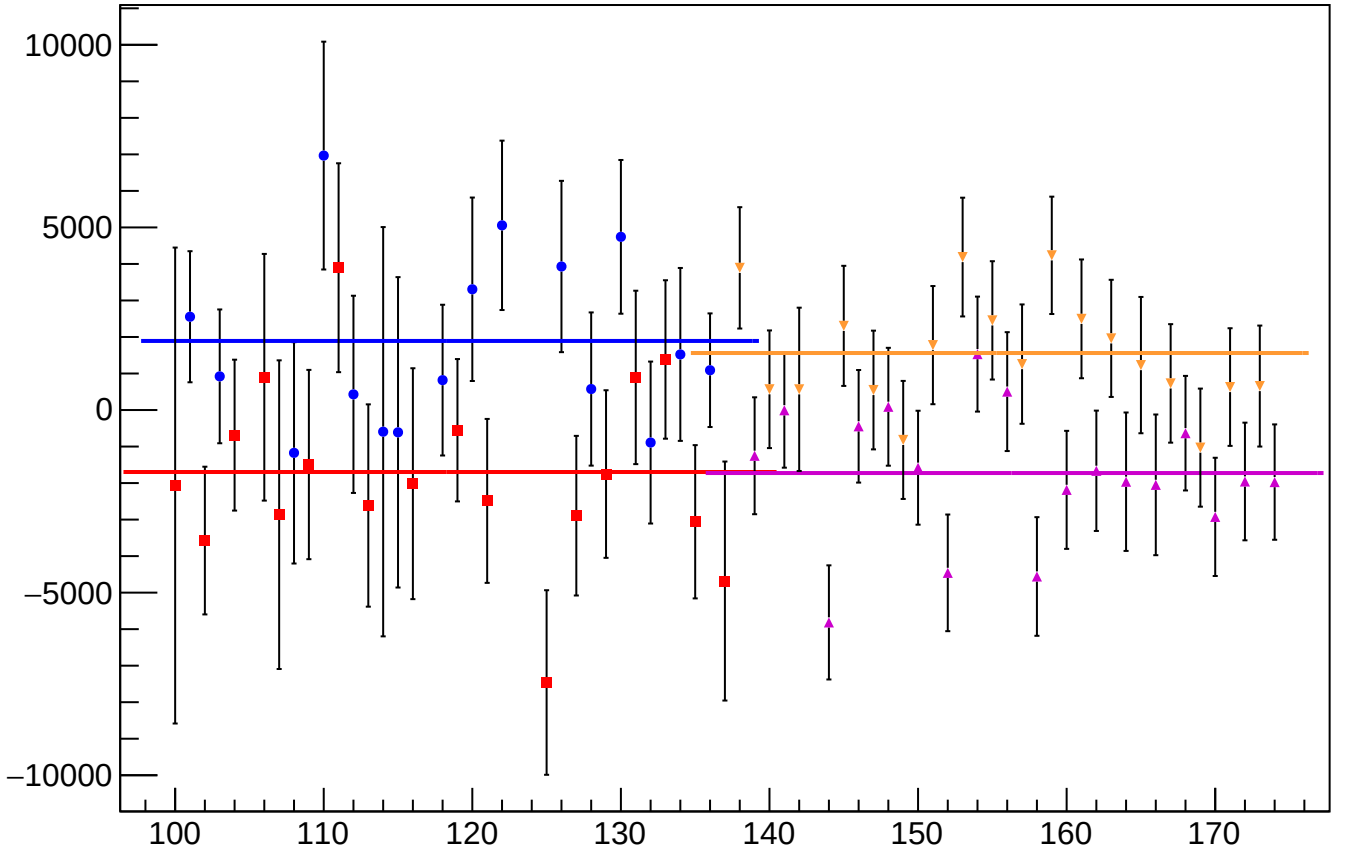
Left In: 1010.493+/-0.191 χ^2/NDF:1420270.0/17

+ sign 826.947+/-0.137 χ^2/NDF: 5638265.7/33

All: 499.847+/-0.073 χ^2/NDF: 38683929.8/69

- 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: 1561.304+/-390.780 χ^2/NDF:14.9/17

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

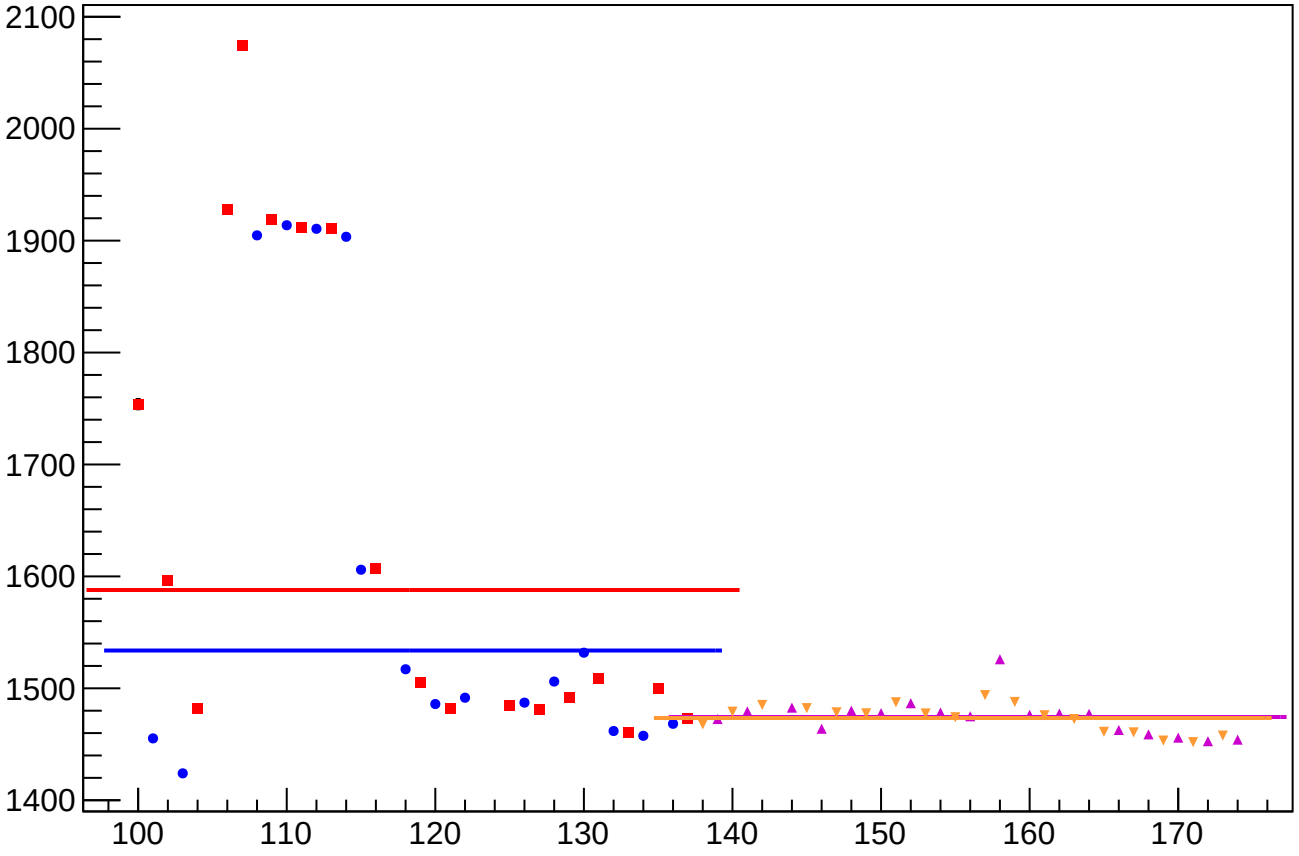
Left In: -1725.111+/-382.202 χ^2/NDF:23.4/17

+ sign 1666.336+/-322.712 χ^2/NDF: 27.4/33

All: -35.655+/-227.488 χ^2/NDF: 122.3/69

- 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: 1473.466+/-0.276 χ^2/NDF:1896.9/17

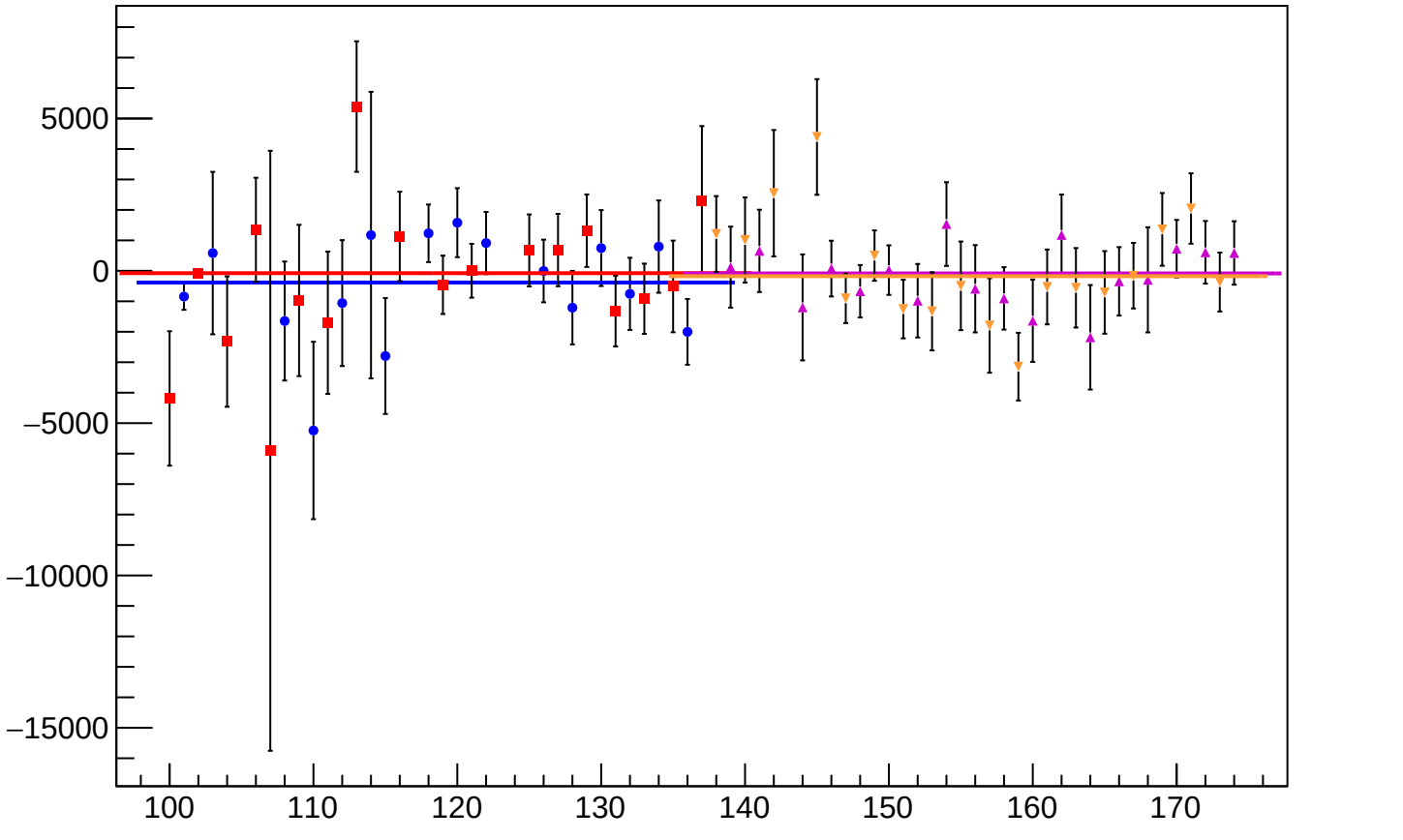
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1474.376+/-0.270 χ^2/NDF:3586.9/17

+ sign 1492.644+/-0.228 χ^2/NDF: 146315.9/33

All: 1500.340+/-0.161 χ^2/NDF: 378076.6/69

- 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: -175.316+/-275.067 χ^2/NDF:27.0/17

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

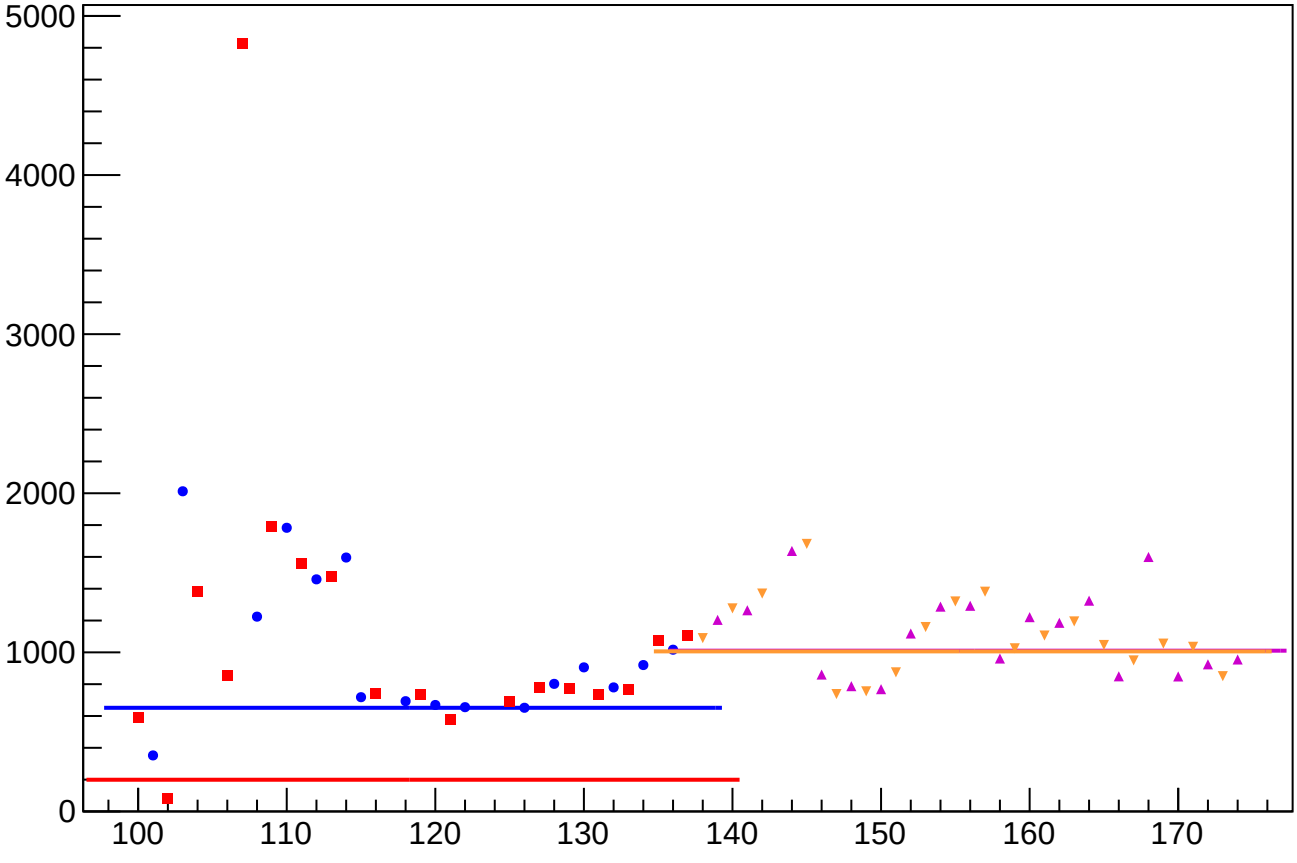
Left In: -84.824+/-269.890 χ^2/NDF:9.3/17

+ sign -280.122+/-193.483 χ^2/NDF: 45.5/33

All: -136.457+/-103.781 χ^2/NDF: 74.1/69

- sign -78.429+/-122.966 χ^2/NDF: 27.8/35

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1006.076+/-0.195 χ^2/NDF:1196773.9/17

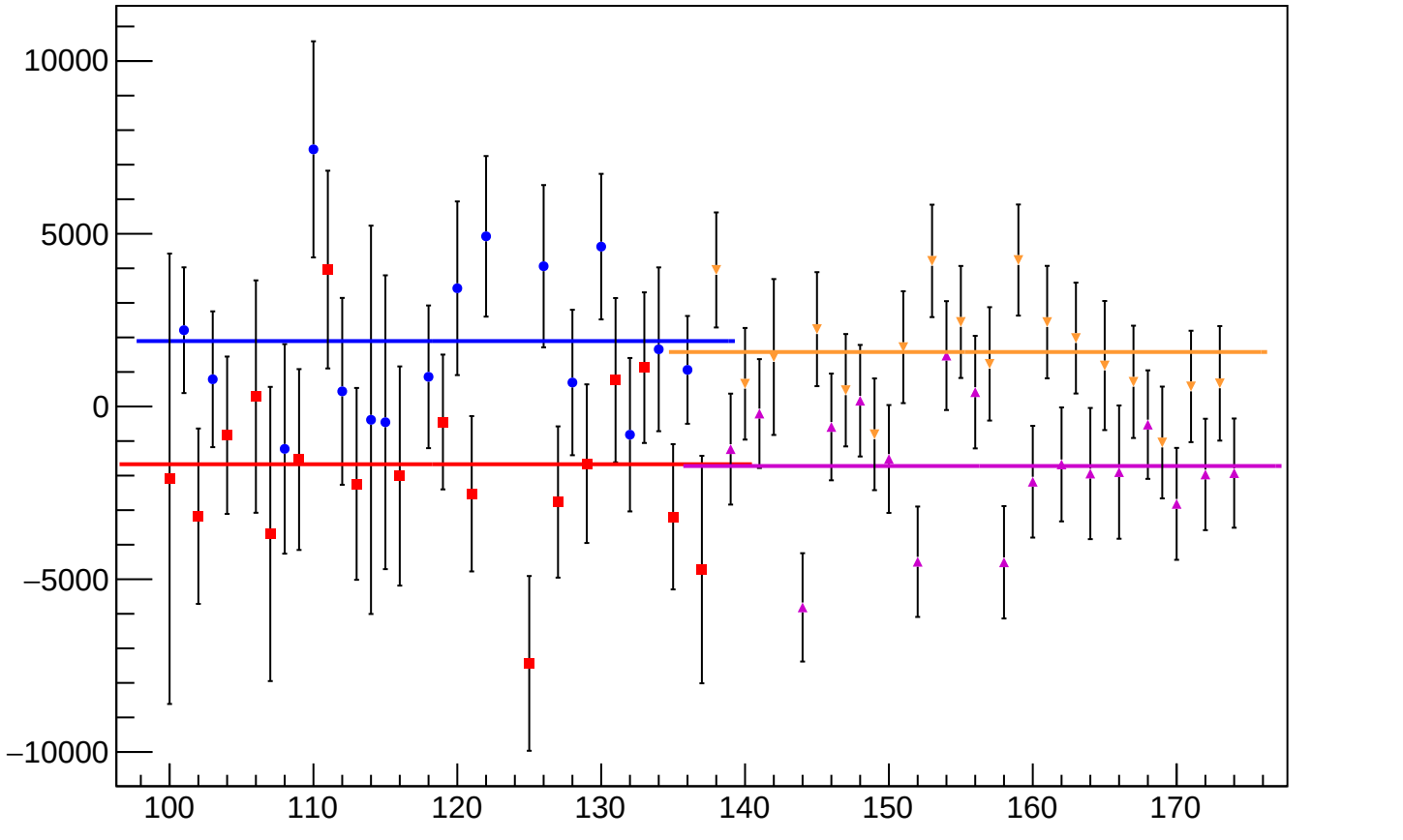
Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1010.493+/-0.191 χ^2/NDF:1420270.0/17

\+ sign 826.947+/-0.137 χ^2/NDF: 5638265.7/33

All: 499.847+/-0.073 χ^2/NDF: 38683929.8/69

\- sign 367.728+/-0.087 χ^2/NDF: 25020686.1/35



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1577.975+/-391.431 χ^2/NDF:14.8/17

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

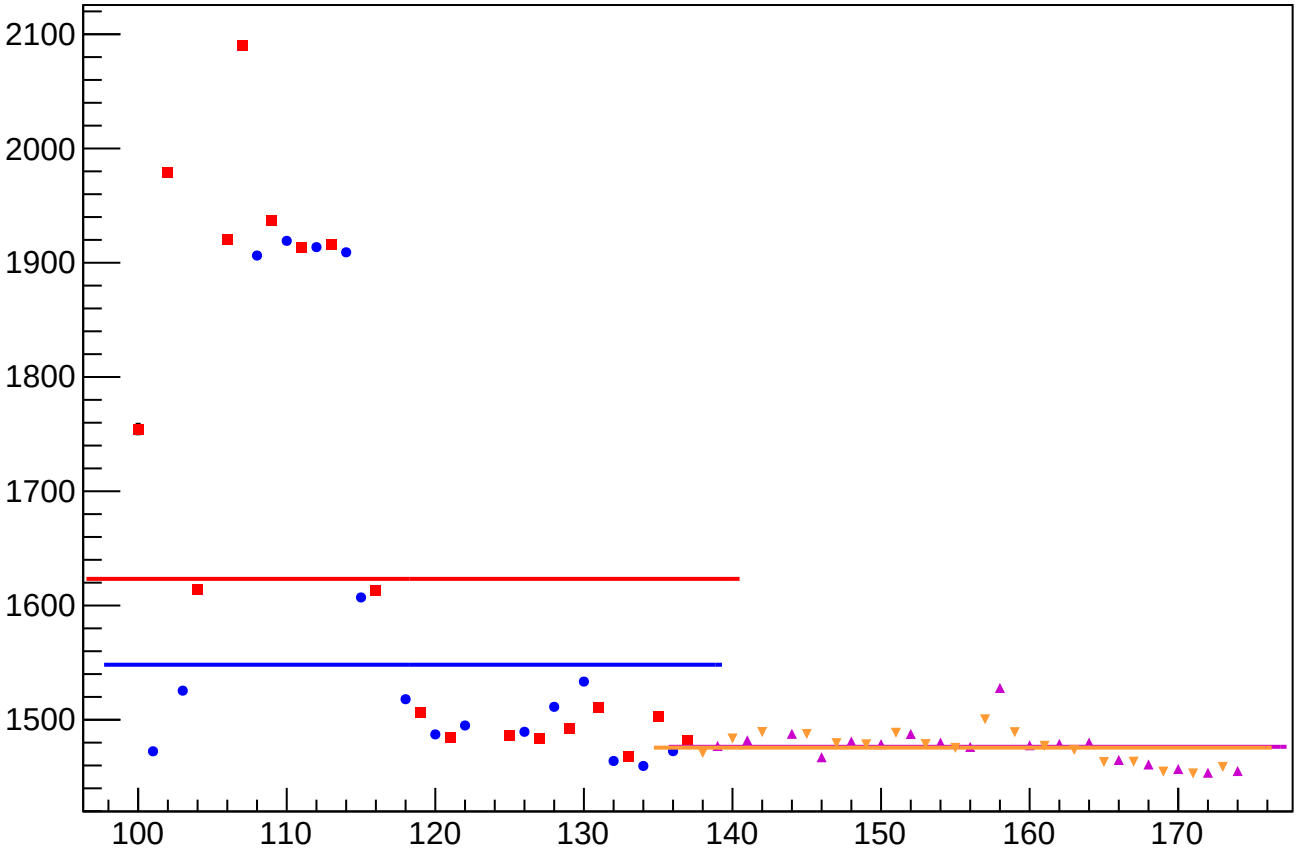
Left In: -1722.240+/-382.721 χ^2/NDF:22.7/17

+ sign 1677.481+/-324.039 χ^2/NDF: 27.3/33

All: -18.317+/-228.908 χ^2/NDF: 119.8/69

- 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: 1475.620+/-0.277 χ^2/NDF:2141.7/17

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

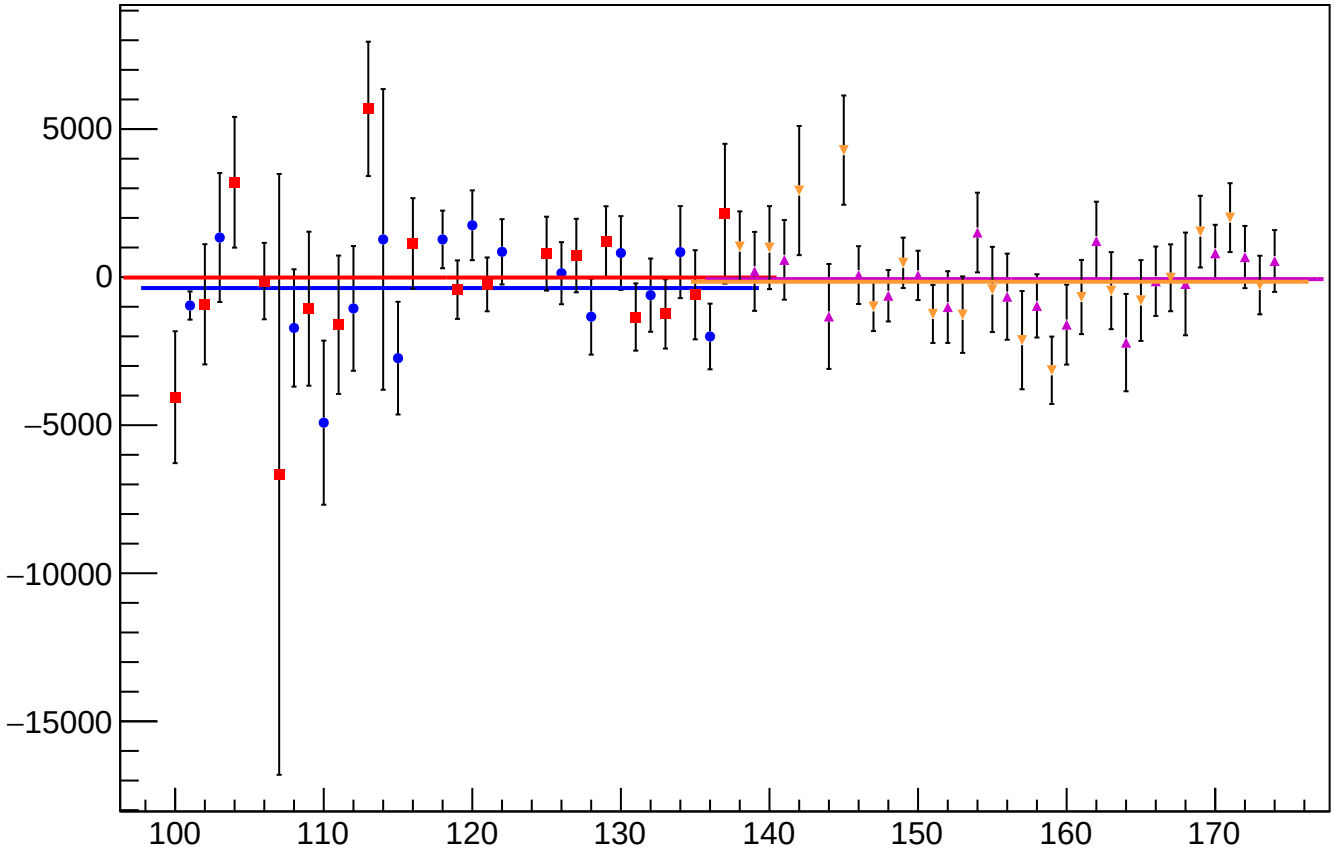
Left In: 1476.356+/-0.271 χ^2/NDF:3660.5/17

+ sign 1498.452+/-0.229 χ^2/NDF: 143671.1/33

All: 1508.435+/-0.162 χ^2/NDF: 446984.7/69

- 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: -155.288+/-279.573 χ^2/NDF:27.3/17

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

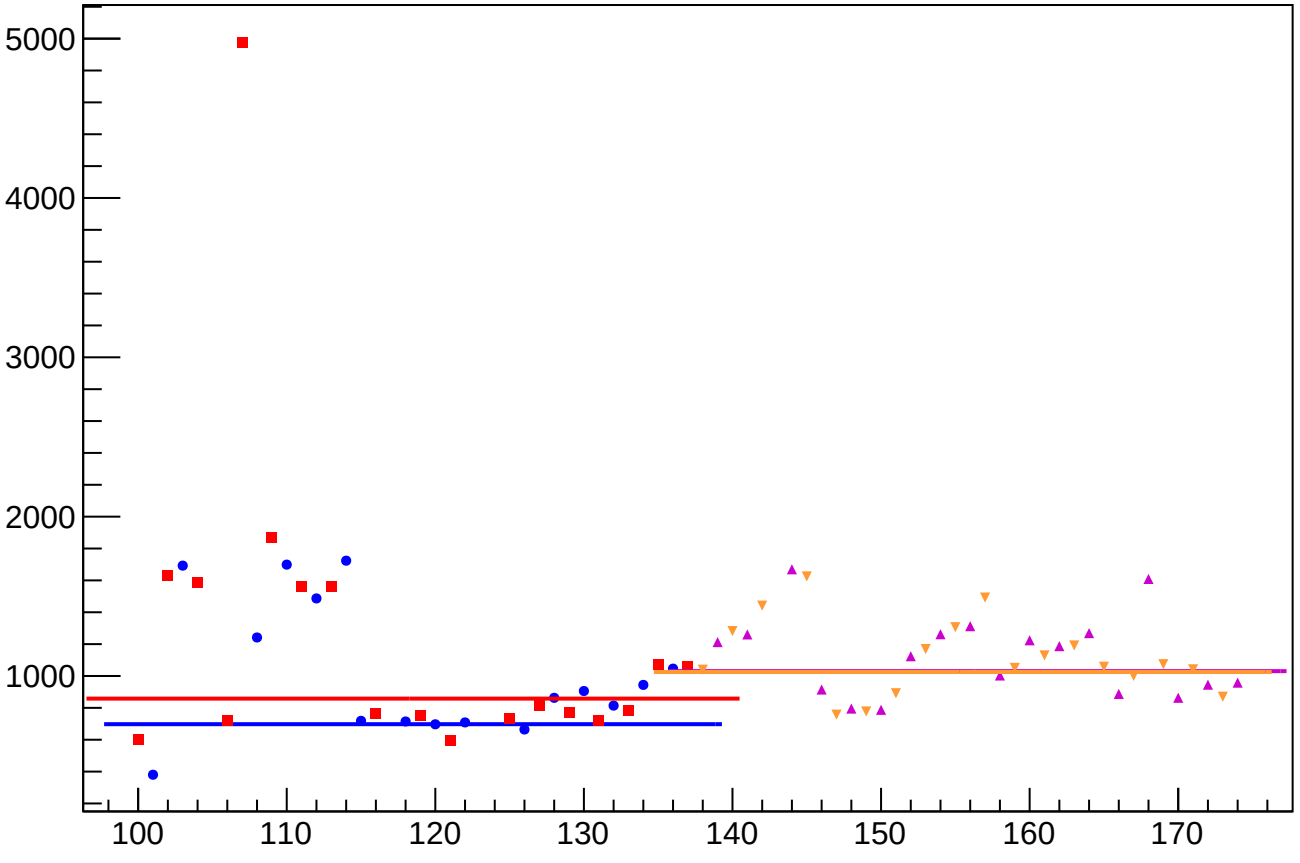
Left In: -66.103+/-274.344 χ^2/NDF:9.7/17

+ sign -259.359+/-200.118 χ^2/NDF: 46.4/33

All: -159.568+/-146.132 χ^2/NDF: 75.8/69

- 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: 1025.051+/-0.198 χ^2/NDF:1128045.3/17

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

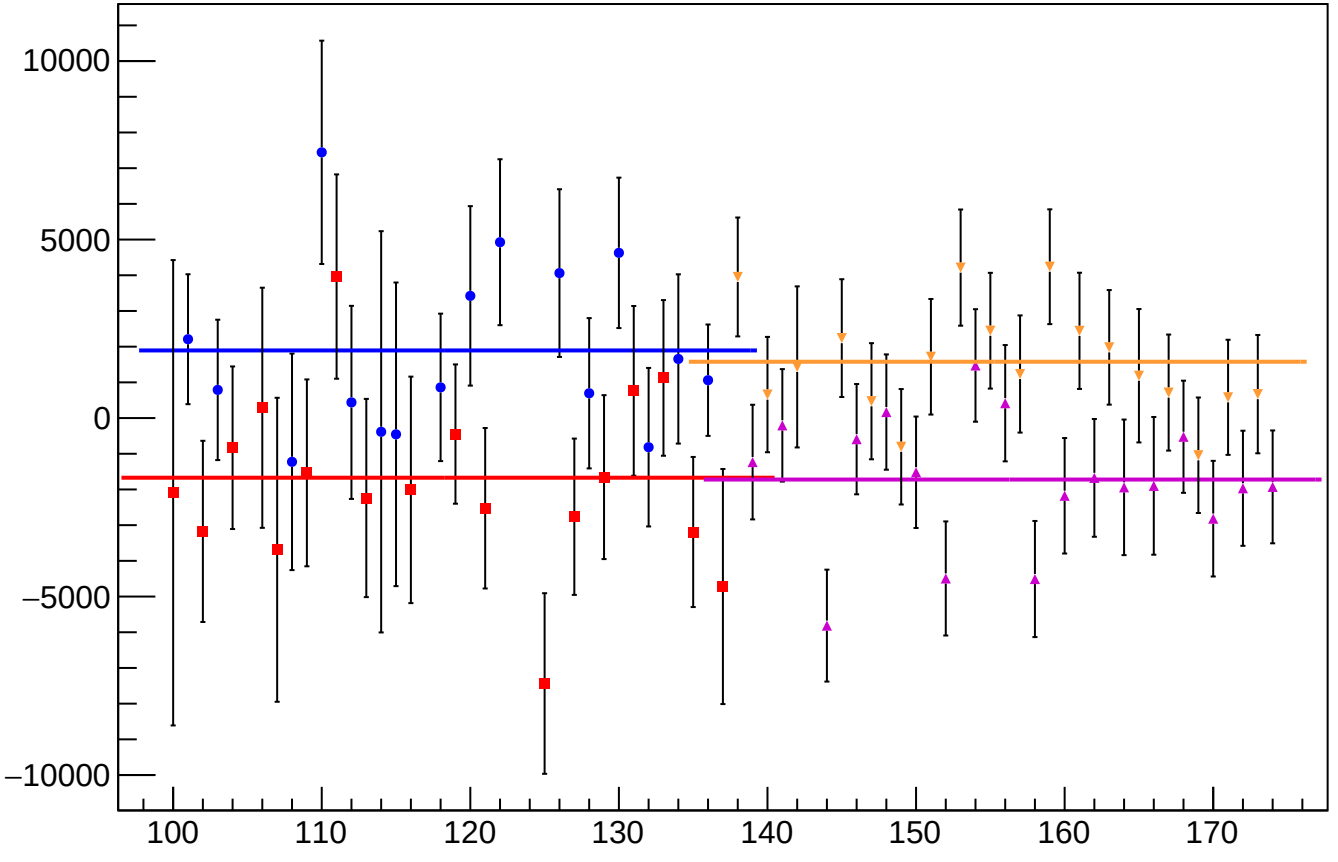
Left In: 1030.459+/-0.194 χ^2/NDF:1295095.7/17

+ sign 865.335+/-0.142 χ^2/NDF: 4902230.2/33

All: 910.860+/-0.103 χ^2/NDF: 8610818.8/69

- 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: 1577.973+/-391.431 χ^2/NDF:14.8/17

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

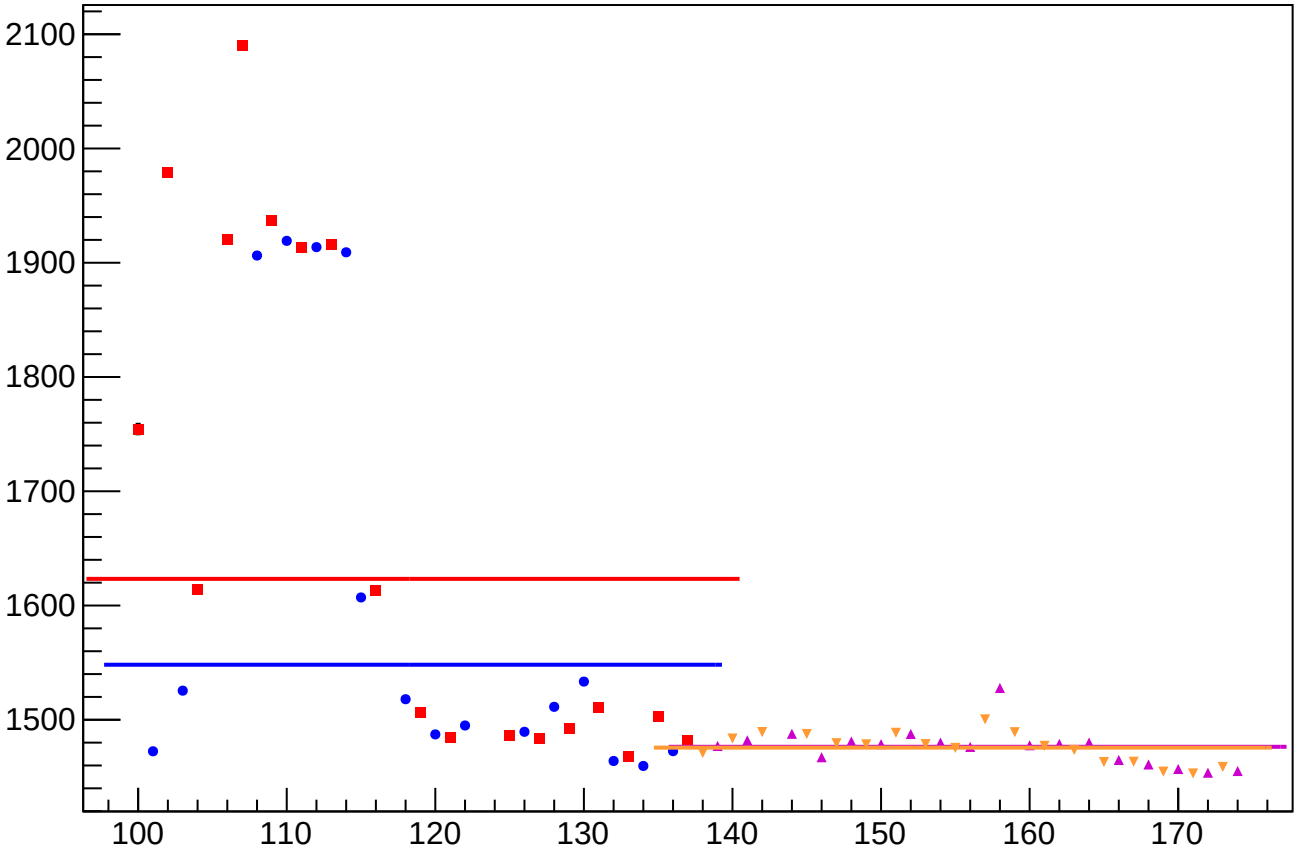
Left In: -1722.241+/-382.721 χ^2/NDF:22.7/17

+ sign 1677.479+/-324.039 χ^2/NDF: 27.3/33

All: -18.318+/-228.908 χ^2/NDF: 119.8/69

- 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: 1475.620+/-0.277 χ^2/NDF:2141.7/17

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

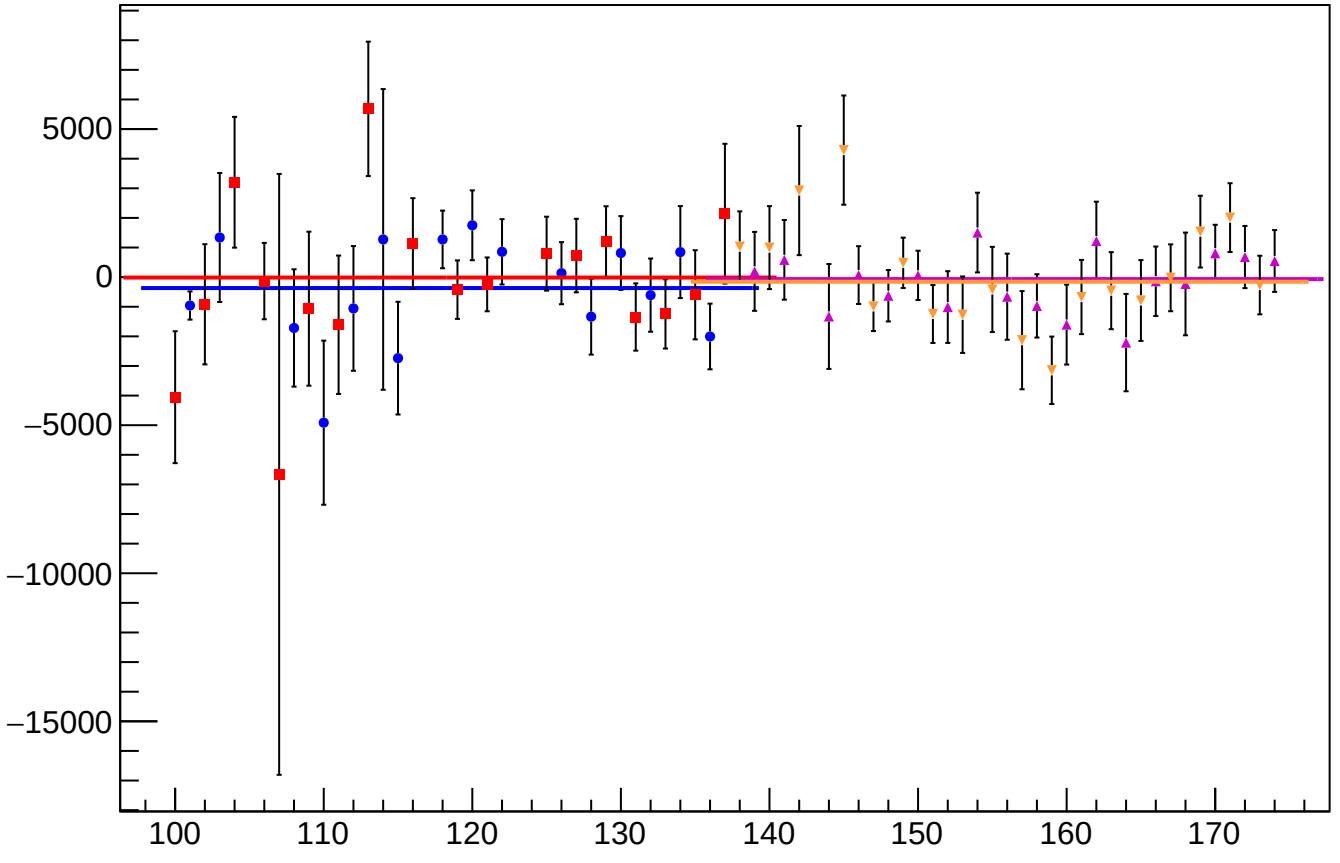
Left In: 1476.356+/-0.271 χ^2/NDF:3660.5/17

+ sign 1498.452+/-0.229 χ^2/NDF: 143671.0/33

All: 1508.435+/-0.162 χ^2/NDF: 446984.1/69

- 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: -155.291+/-279.573 χ^2/NDF:27.3/17

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

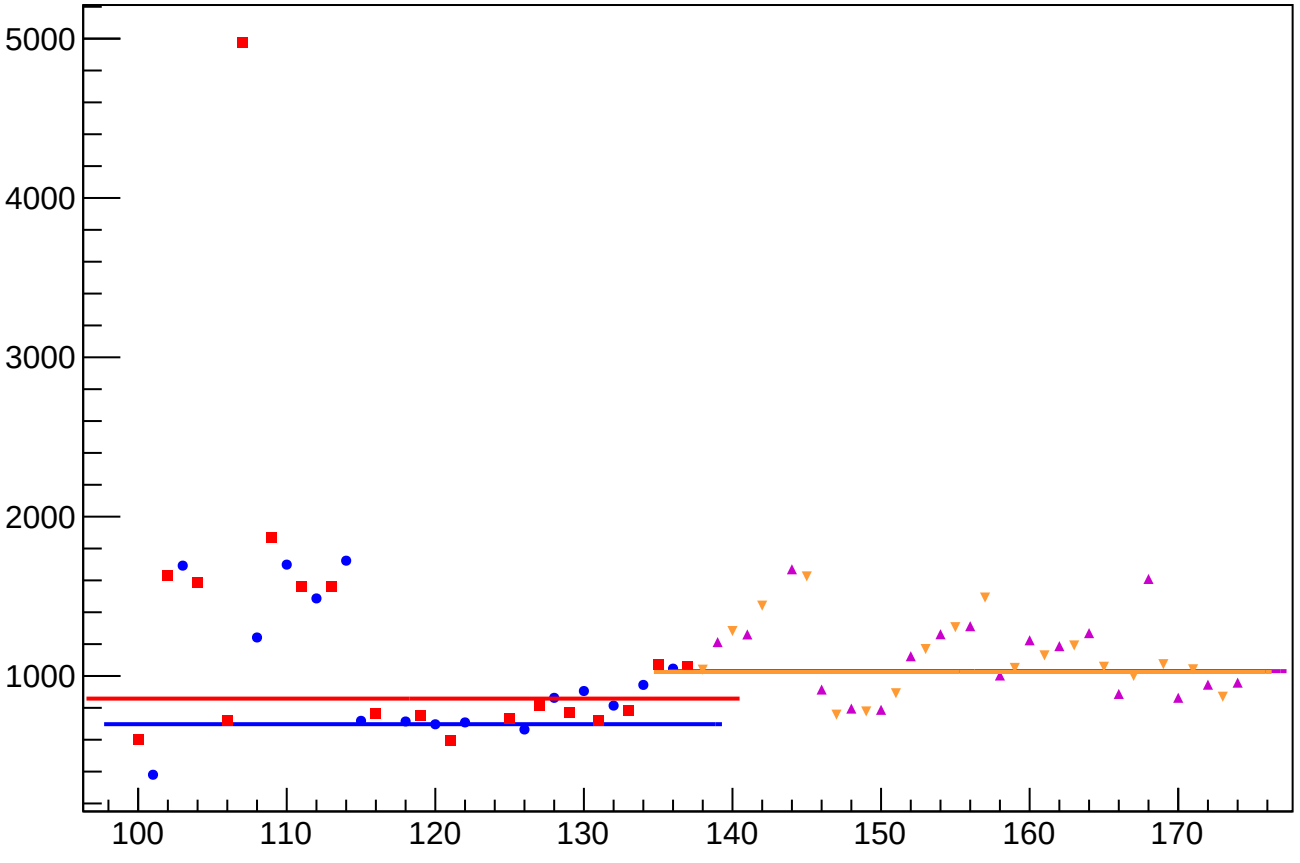
Left In: -66.104+/-274.345 χ^2/NDF:9.7/17

+ sign -259.359+/-200.118 χ^2/NDF: 46.4/33

All: -159.568+/-146.132 χ^2/NDF: 75.8/69

- 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: 1025.053+/-0.198 χ^2/NDF:1128043.6/17

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

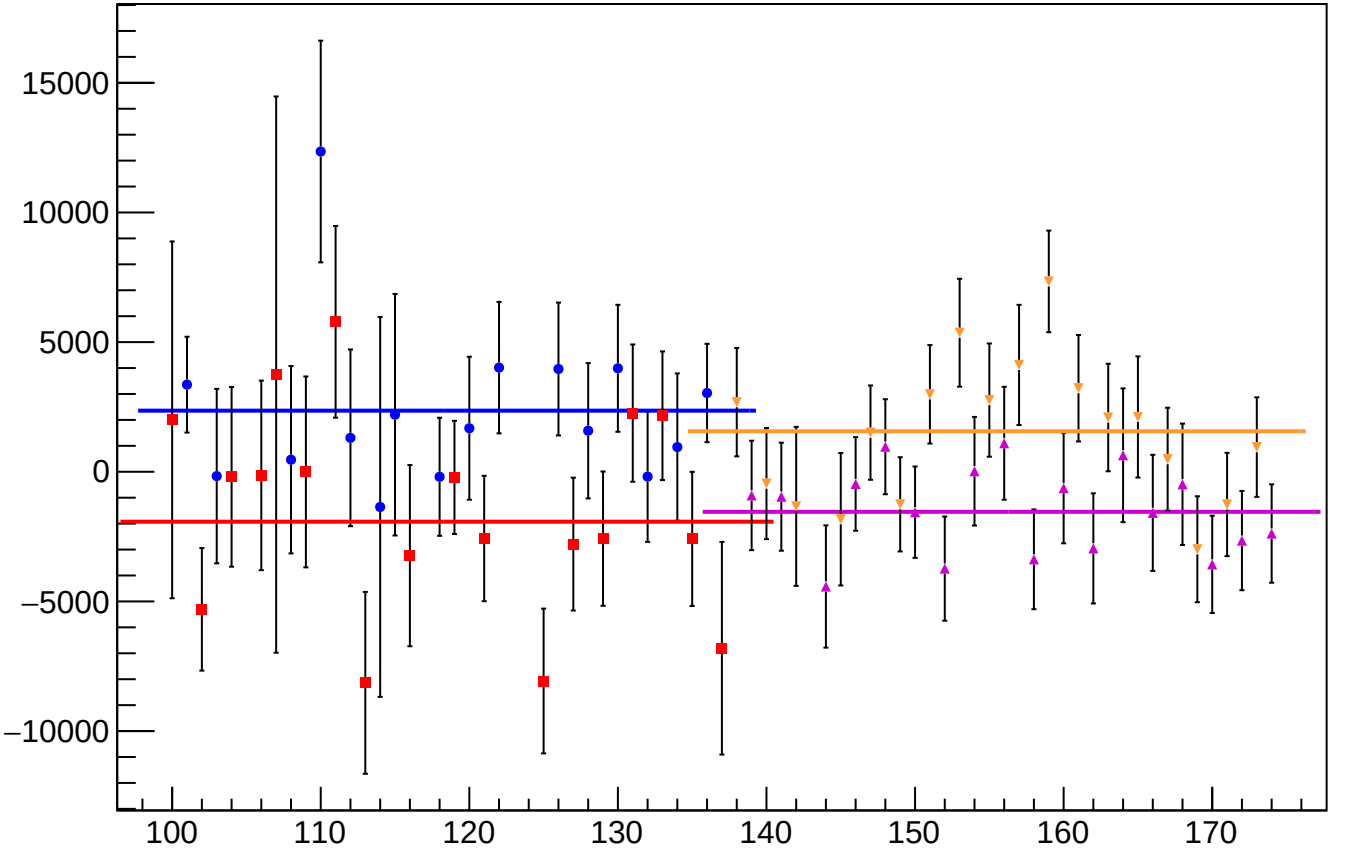
Left In: 1030.461+/-0.194 χ^2/NDF:1295092.1/17

+ sign 865.336+/-0.142 χ^2/NDF: 4902232.0/33

All: 910.861+/-0.103 χ^2/NDF: 8610836.3/69

- 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: 1562.604+/-491.035 χ^2/NDF:28.5/17

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

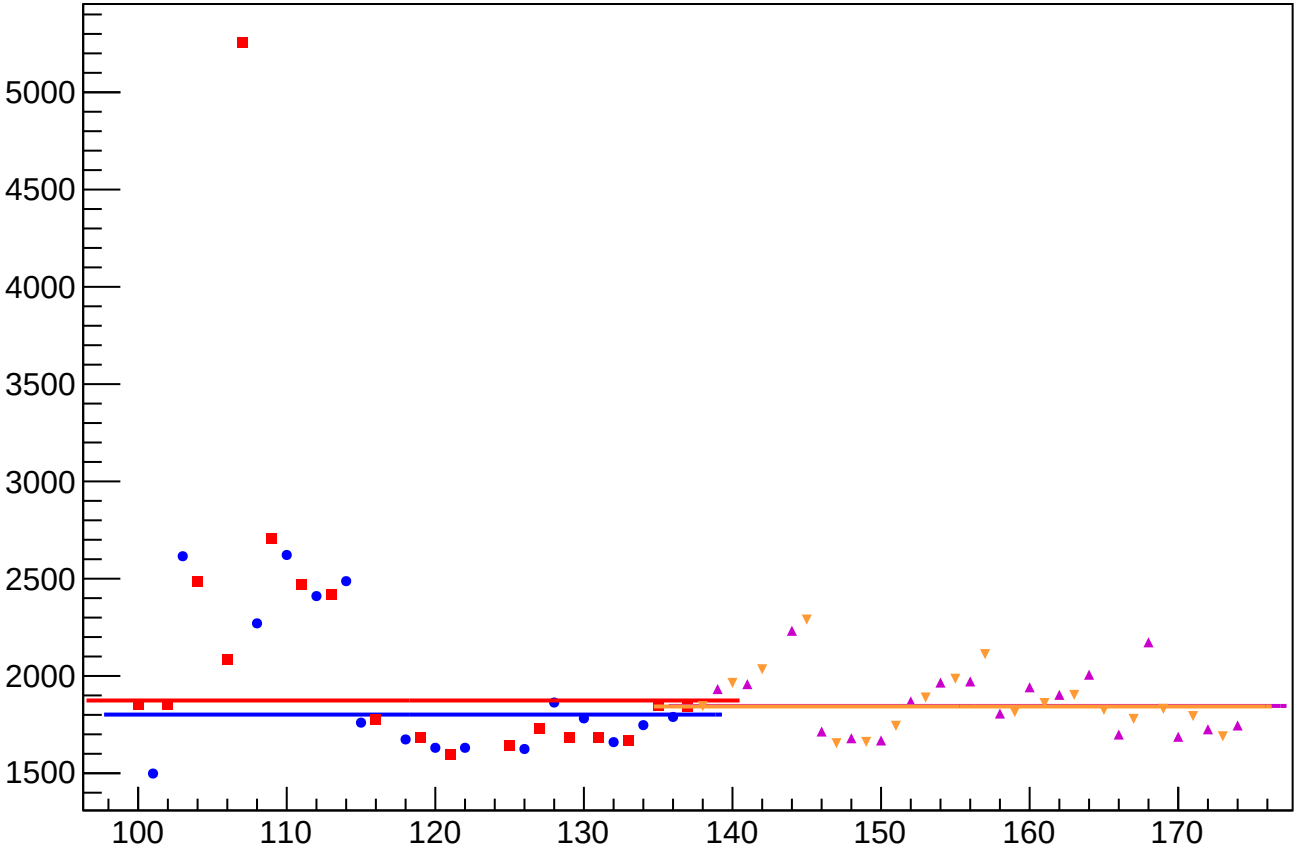
Left In: -1544.628+/-480.674 χ^2/NDF:11.3/17

+ sign 1835.423+/-397.881 χ^2/NDF: 40.4/33

All: 83.476+/-281.199 χ^2/NDF: 114.1/69

- 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: 1843.209+/-0.347 χ^2/NDF:177410.2/17

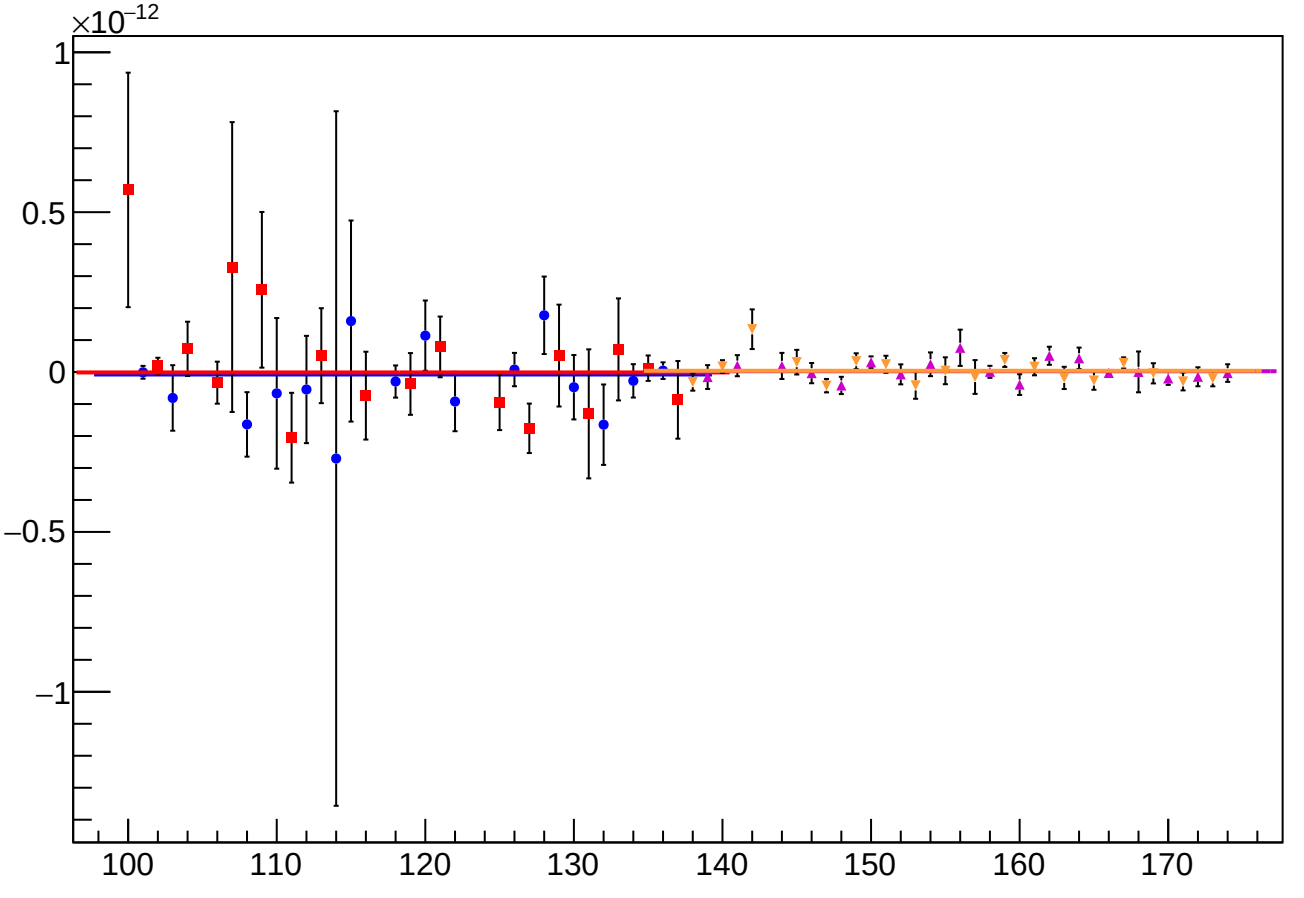
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1845.934+/-0.340 χ^2/NDF:213189.5/17

+ sign 1828.895+/-0.281 χ^2/NDF: 583061.5/33

All: 1841.861+/-0.199 χ^2/NDF: 1372556.7/69

- 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:23.9/17

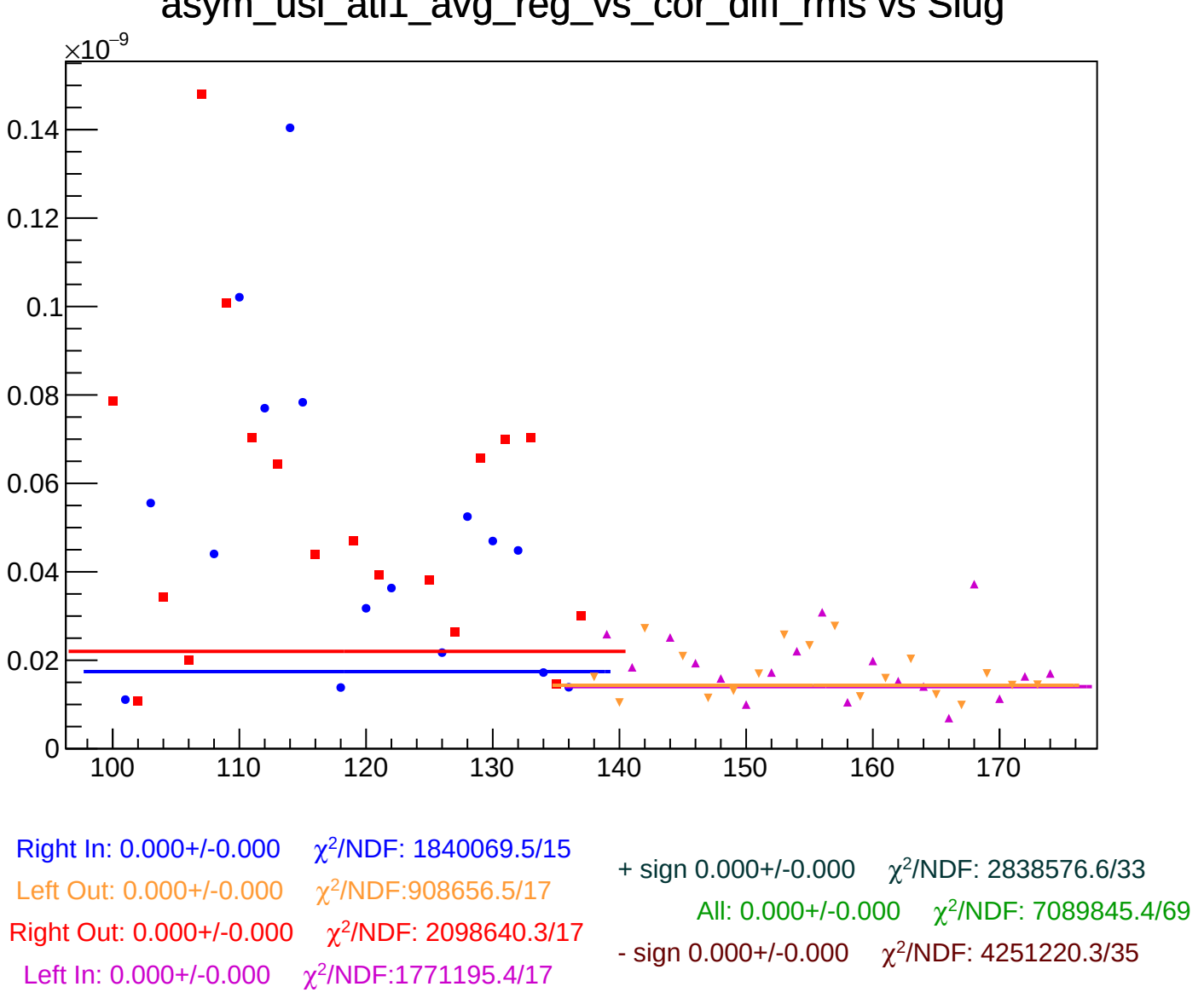
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:15.7/17

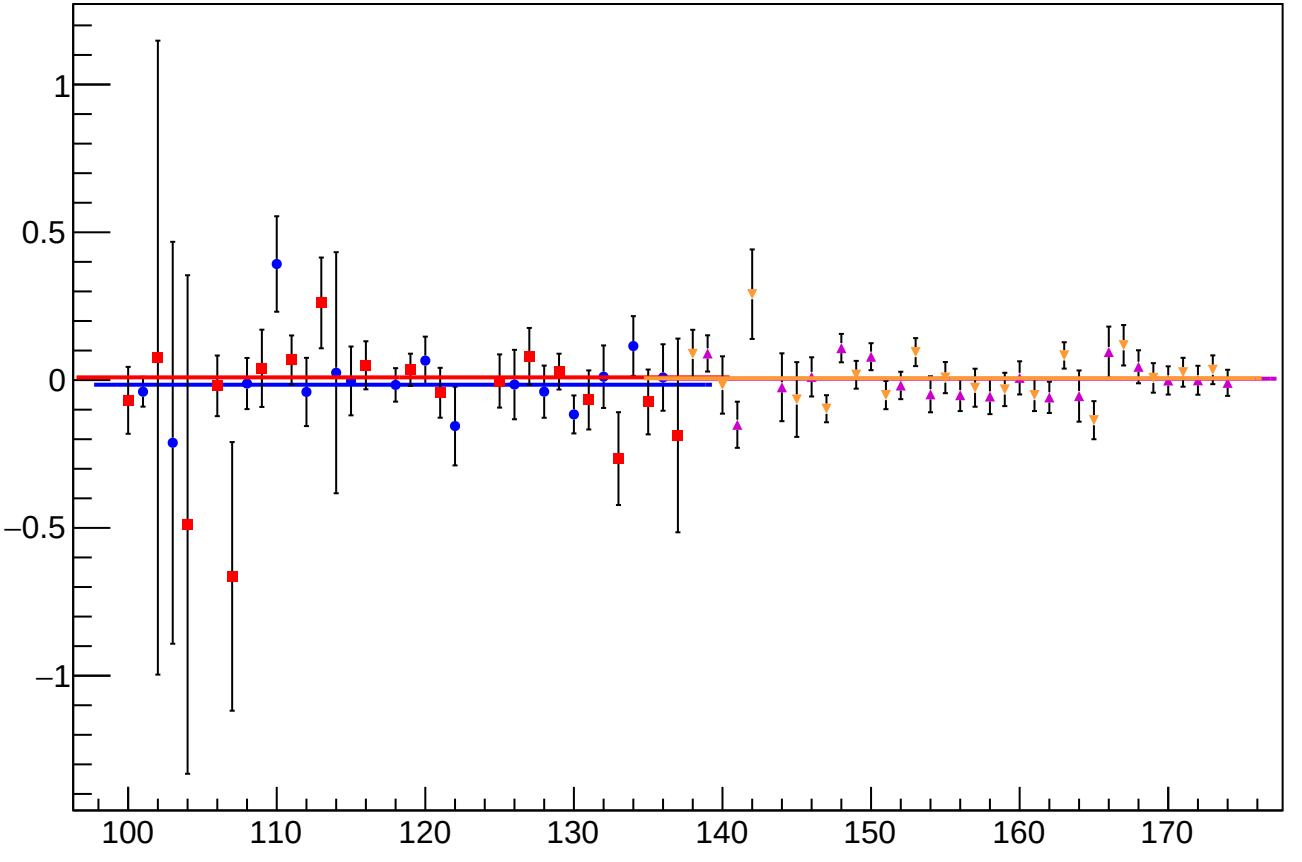
+ sign 0.000+/-0.000 χ^2/NDF: 34.7/33

All: 0.000+/-0.000 χ^2/NDF: 67.1/69

- sign 0.000+/-0.000 χ^2/NDF: 32.4/35


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:908656.5/17
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:1771195.4/17
+ sign 0.000+/-0.000 χ²/NDF: 2838576.6/33
All: 0.000+/-0.000 χ²/NDF: 7089845.4/69
- sign 0.000+/-0.000 χ²/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: 0.006+/-0.013 χ^2/NDF:27.8/17

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

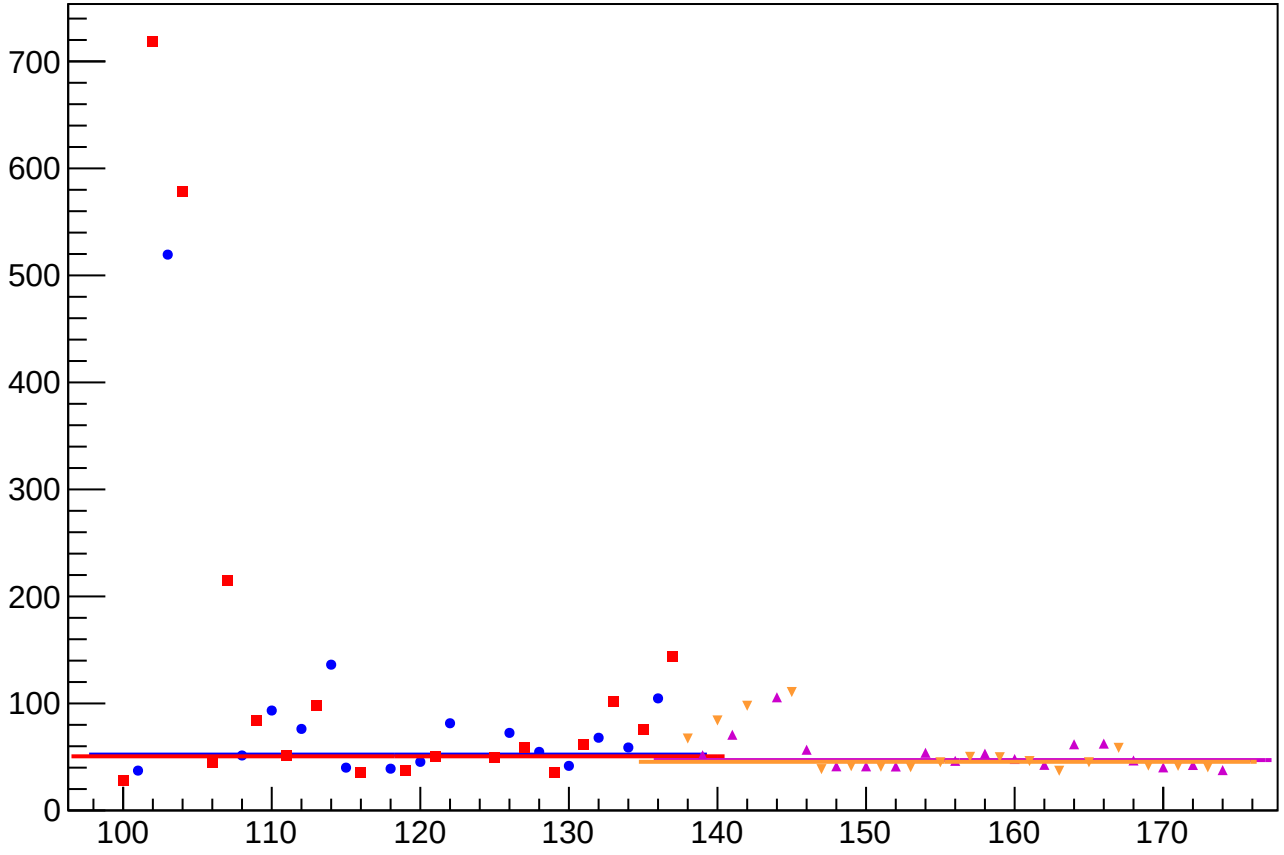
Left In: 0.005+/-0.013 χ^2/NDF:20.0/17

+ sign 0.001+/-0.011 χ^2/NDF: 41.7/33

All: 0.003+/-0.008 χ^2/NDF: 74.3/69

- 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: 45.475+/-0.009 χ^2/NDF:1543313.0/17

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

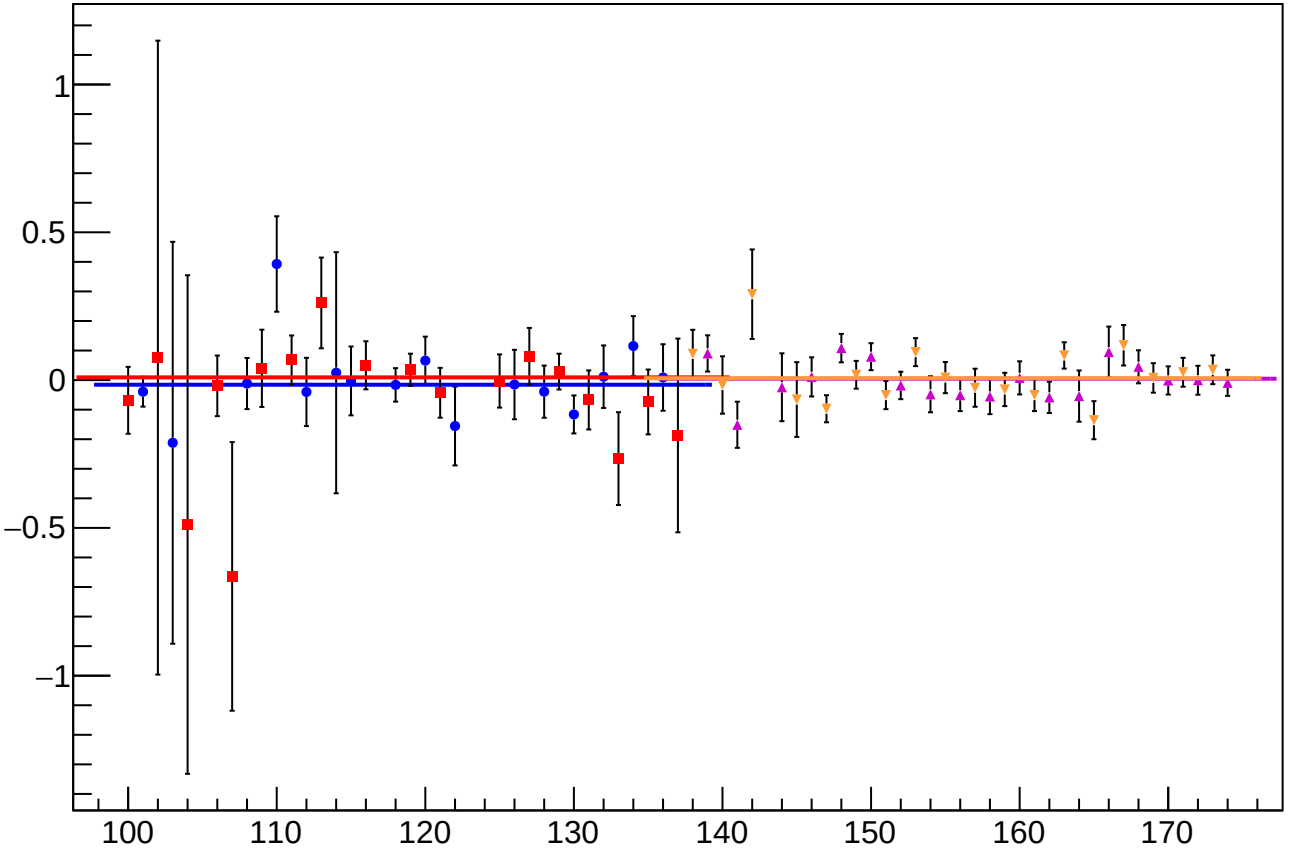
Left In: 47.070+/-0.009 χ^2/NDF:1186019.3/17

+ sign 47.202+/-0.008 χ^2/NDF: 3940937.6/33

All: 47.557+/-0.006 χ^2/NDF: 8215793.6/69

- sign 47.919+/-0.008 χ^2/NDF: 4270997.5/35

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.006+/-0.013 χ^2/NDF:27.8/17

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

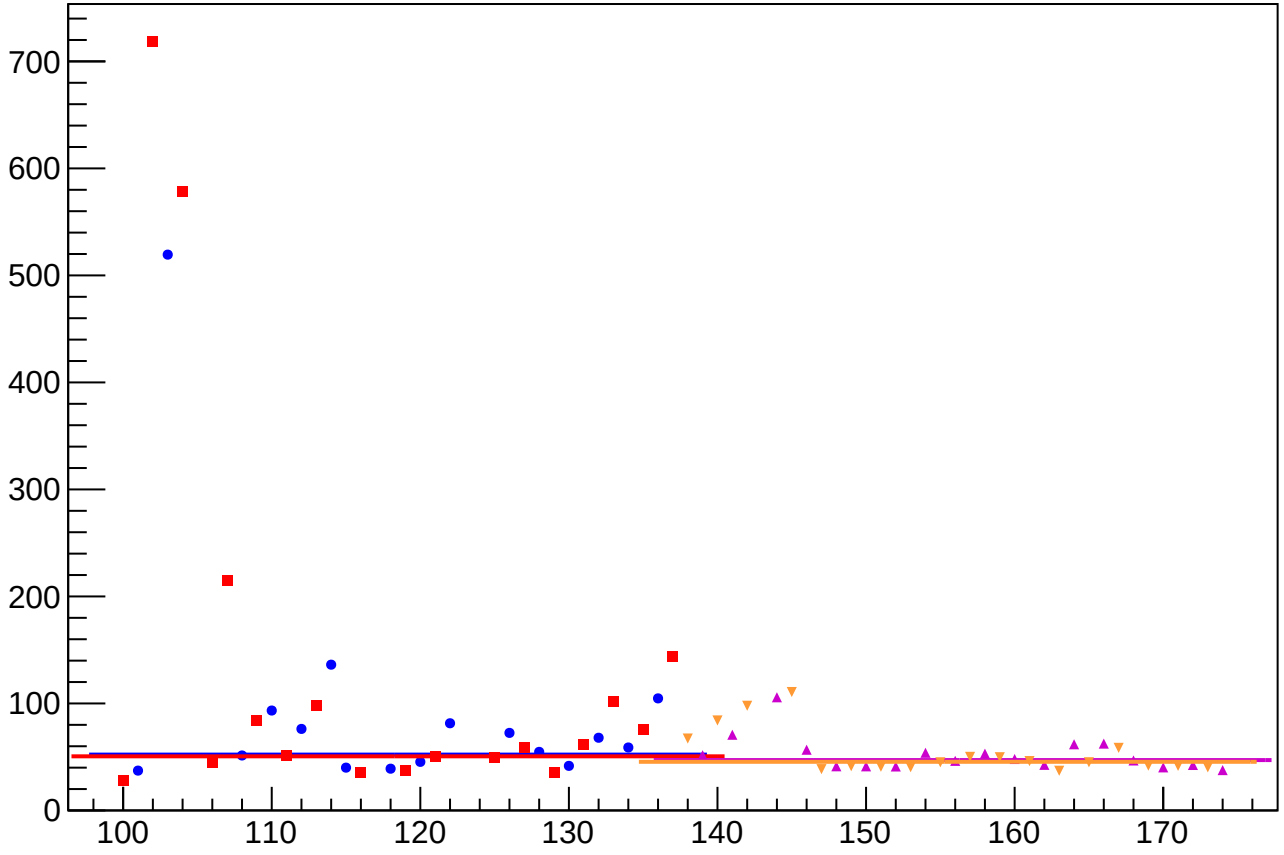
Left In: 0.005+/-0.013 χ^2/NDF:20.0/17

+ sign 0.001+/-0.011 χ^2/NDF: 41.7/33

All: 0.003+/-0.008 χ^2/NDF: 74.3/69

- sign 0.006+/-0.012 χ^2/NDF: 32.5/35

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 45.475+/-0.009 χ^2/NDF:1543313.0/17

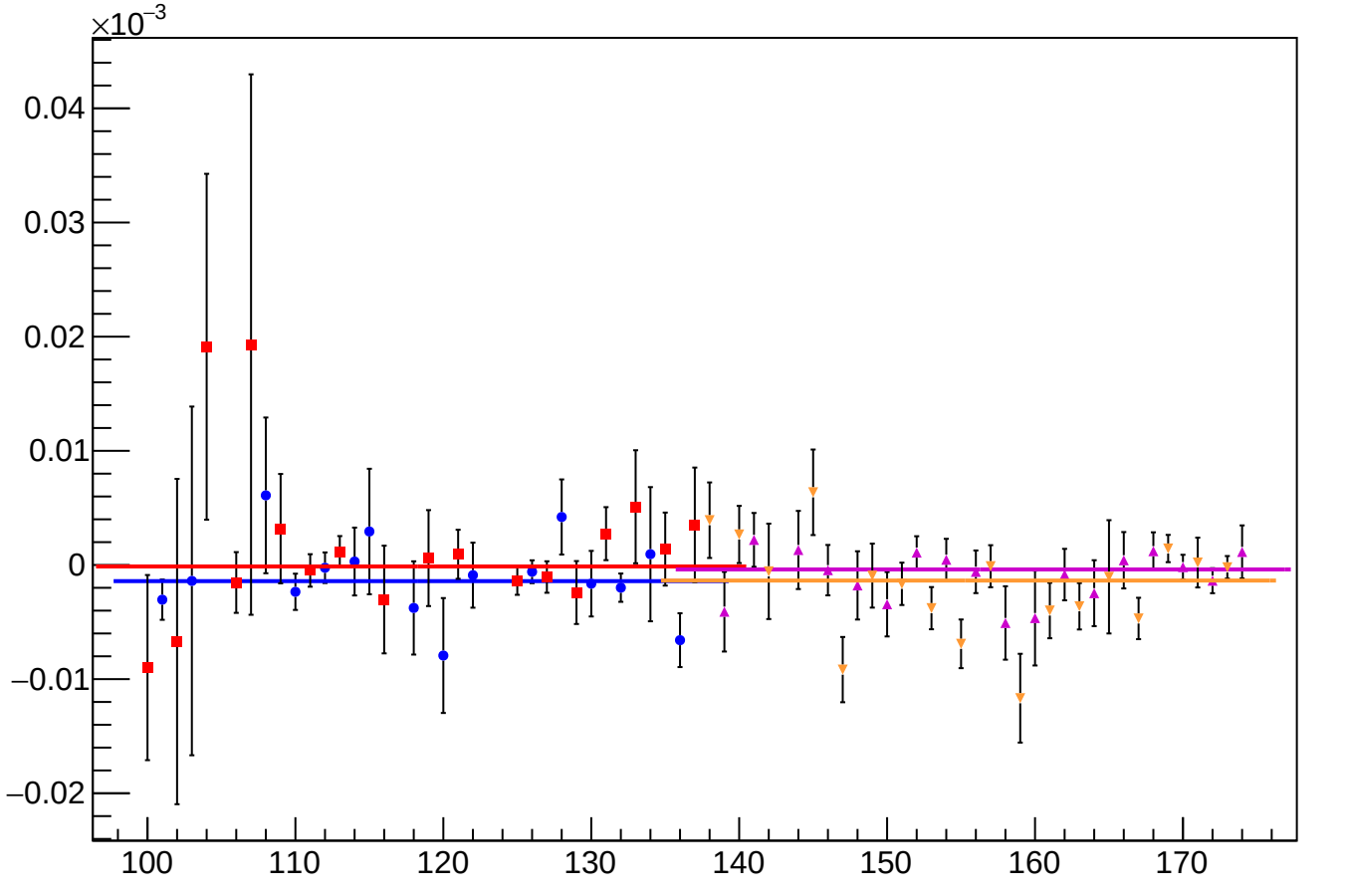
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.070+/-0.009 χ^2/NDF:1186019.3/17

+ sign 47.202+/-0.008 χ^2/NDF: 3940937.6/33

All: 47.557+/-0.006 χ^2/NDF: 8215793.6/69

- 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:46.1/17

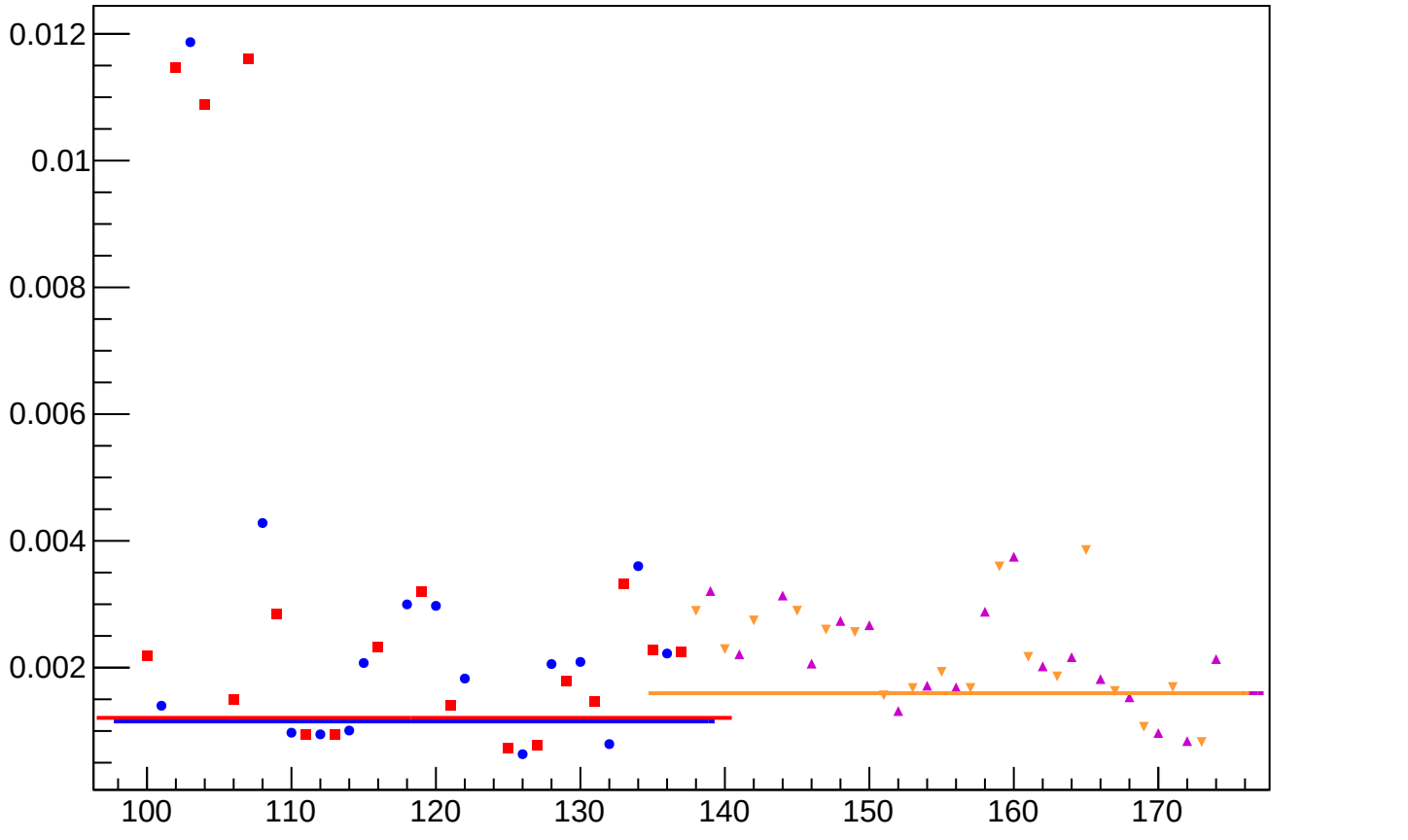
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: -0.000+/-0.000 χ^2/NDF:11.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 61.0/33

All: -0.000+/-0.000 χ^2/NDF: 89.0/69

- 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:4101941.9/17

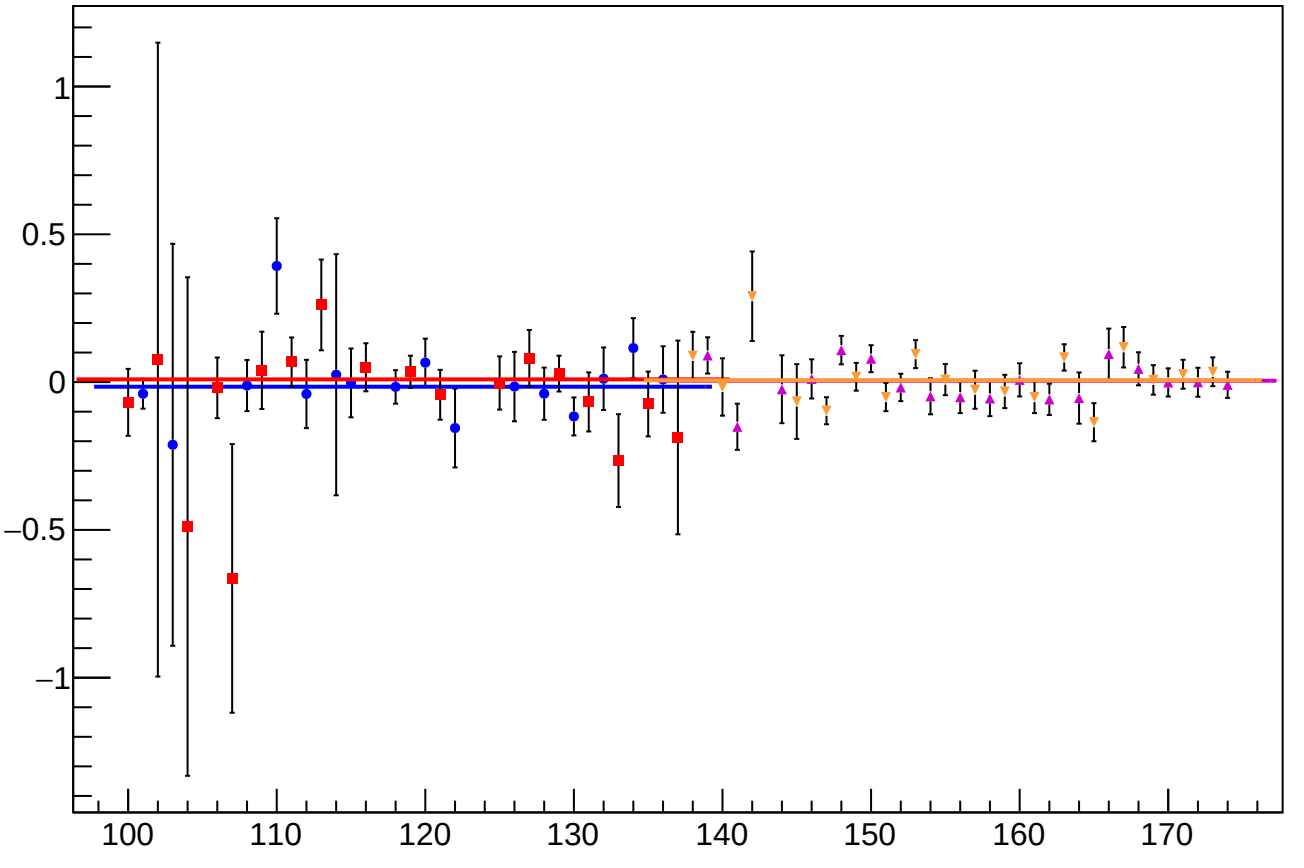
Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4490767.7/17

+ sign 0.001+/-0.000 χ^2/NDF: 9096773.8/33

All: 0.001+/-0.000 χ^2/NDF: 18707657.2/69

- 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: 0.006+/-0.013 χ^2/NDF:27.8/17

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

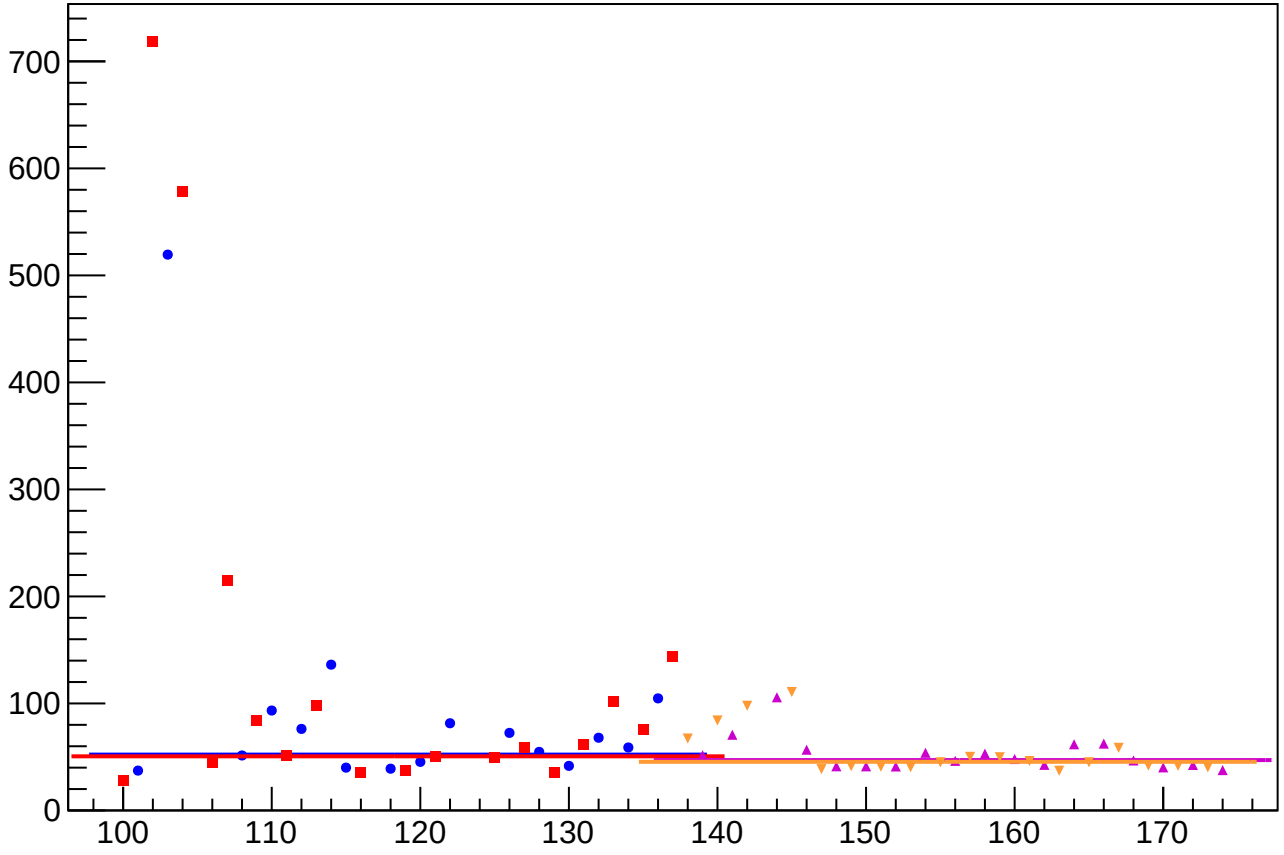
Left In: 0.005+/-0.013 χ^2/NDF:20.0/17

+ sign 0.001+/-0.011 χ^2/NDF: 41.7/33

All: 0.003+/-0.008 χ^2/NDF: 74.3/69

- 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: 45.475+/-0.009 χ^2/NDF:1543298.5/17

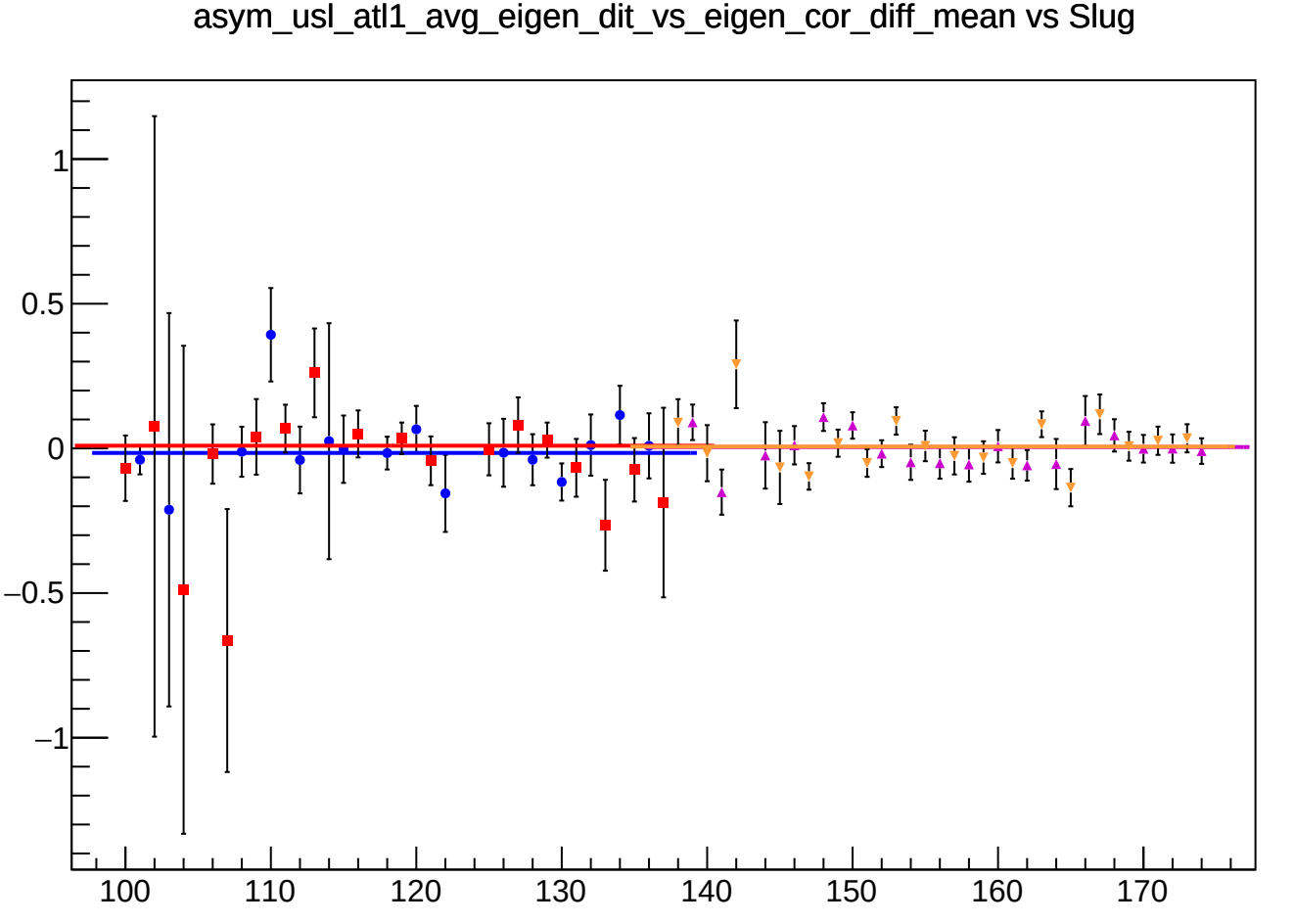
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.070+/-0.009 χ^2/NDF:1186017.4/17

+ sign 47.202+/-0.008 χ^2/NDF: 3940904.3/33

All: 47.557+/-0.006 χ^2/NDF: 8215735.7/69

- 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: 0.006+/-0.013 χ^2/NDF:27.8/17

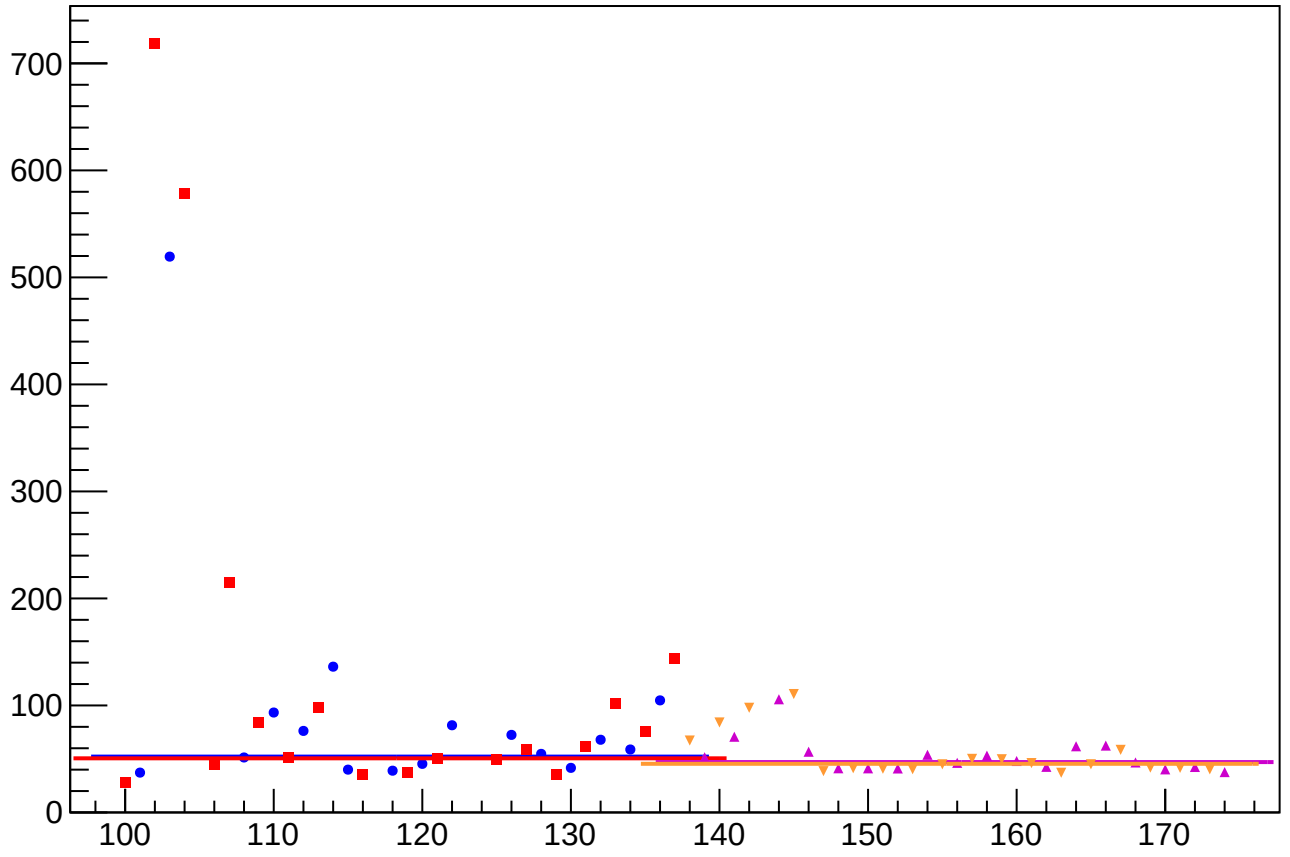
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.005+/-0.013 χ^2/NDF:20.0/17

+ sign 0.001+/-0.011 χ^2/NDF: 41.7/33

All: 0.003+/-0.008 χ^2/NDF: 74.3/69

- 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: 45.475+/-0.009 χ^2/NDF:1543298.5/17

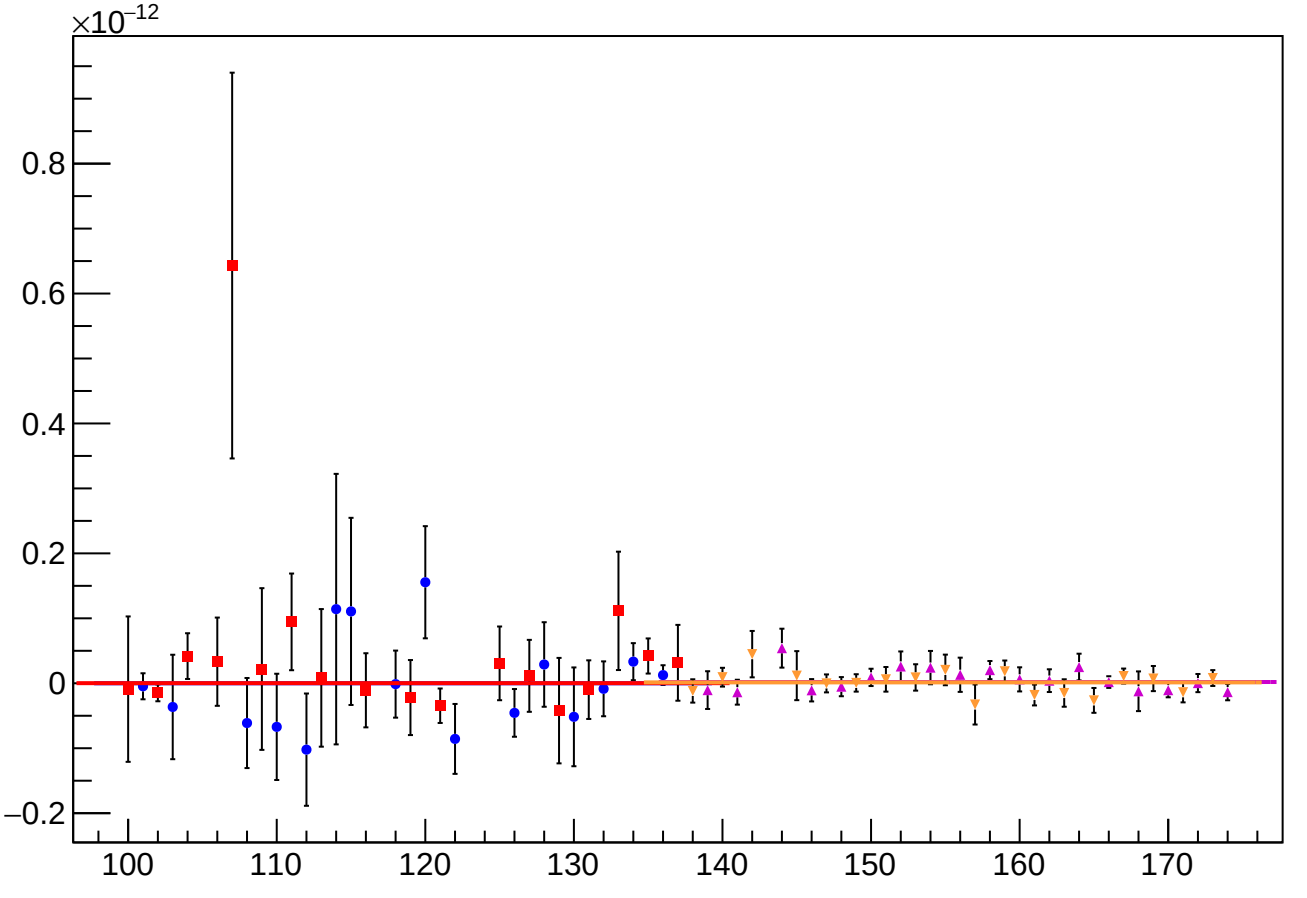
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.070+/-0.009 χ^2/NDF:1186017.4/17

+ sign 47.202+/-0.008 χ^2/NDF: 3940904.3/33

All: 47.557+/-0.006 χ^2/NDF: 8215735.7/69

- sign 47.919+/-0.008 χ^2/NDF: 4270974.4/35



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.8/17

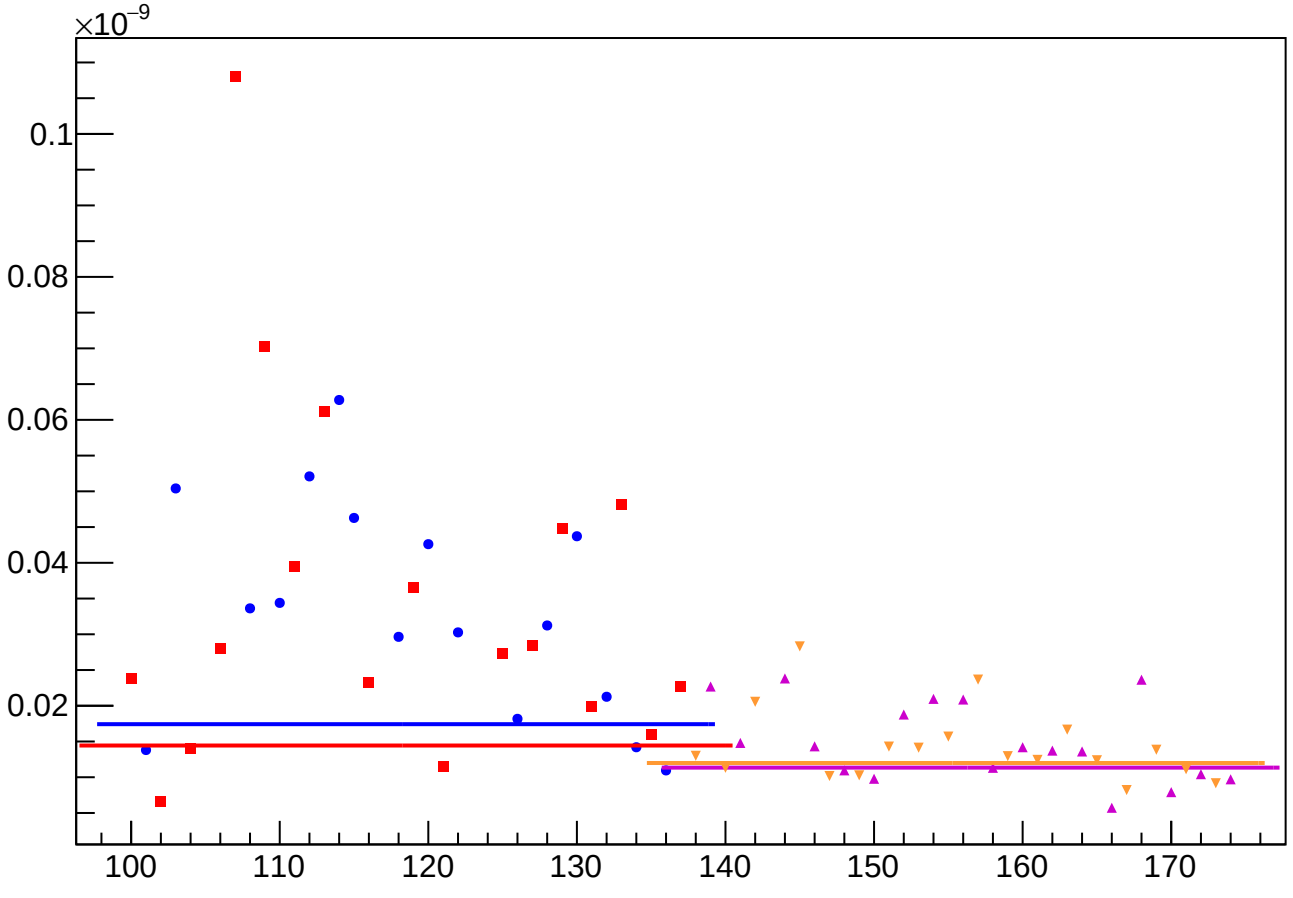
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 25.9/33

All: 0.000+/-0.000 χ^2/NDF: 55.0/69

- sign 0.000+/-0.000 χ^2/NDF: 29.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1408009.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

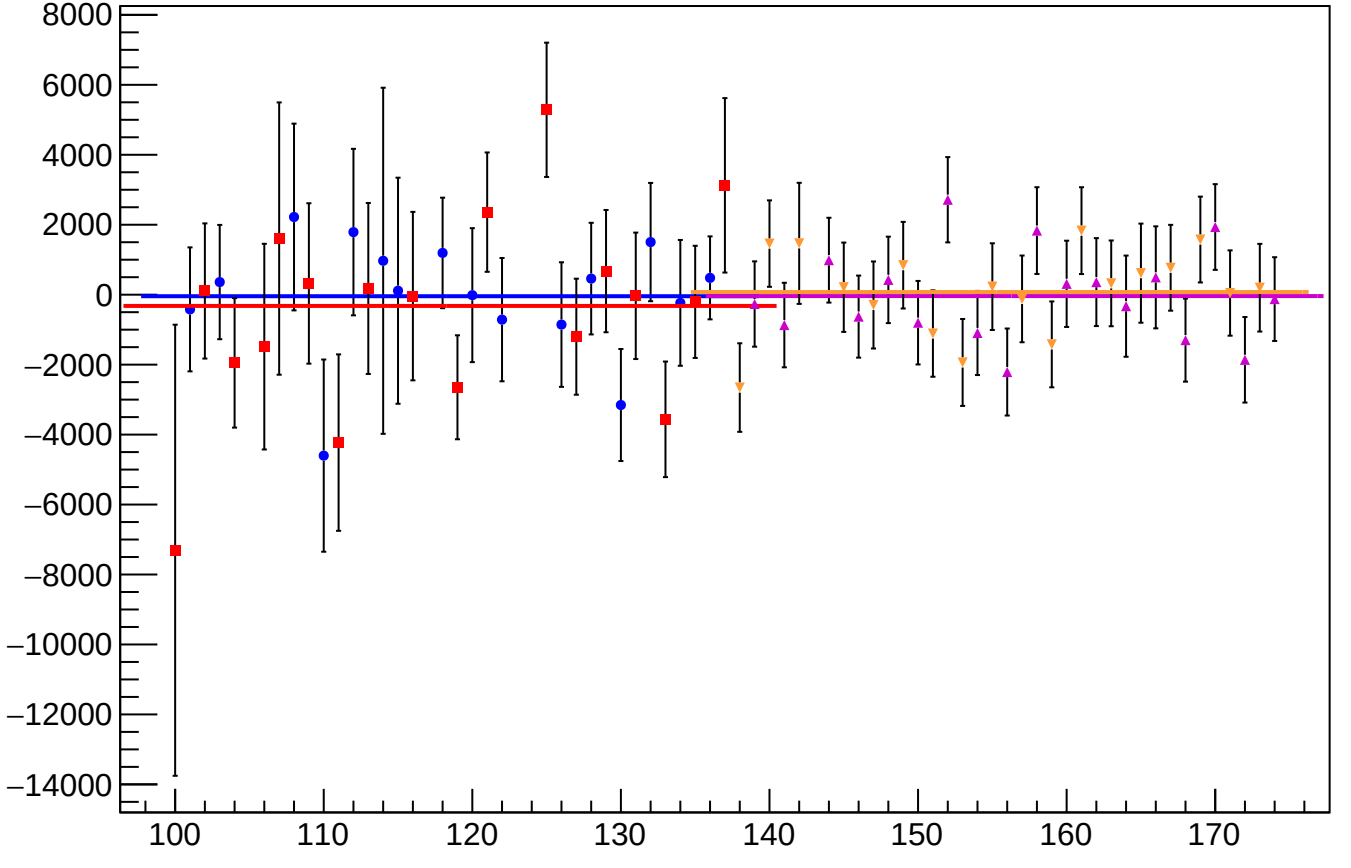
Left In: 0.000+/-0.000 χ^2/NDF:3007193.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 4197207.4/33

All: 0.000+/-0.000 χ^2/NDF: 10749969.3/69

- sign 0.000+/-0.000 χ^2/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: 76.047+/-298.217 χ^2/NDF:16.1/17

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

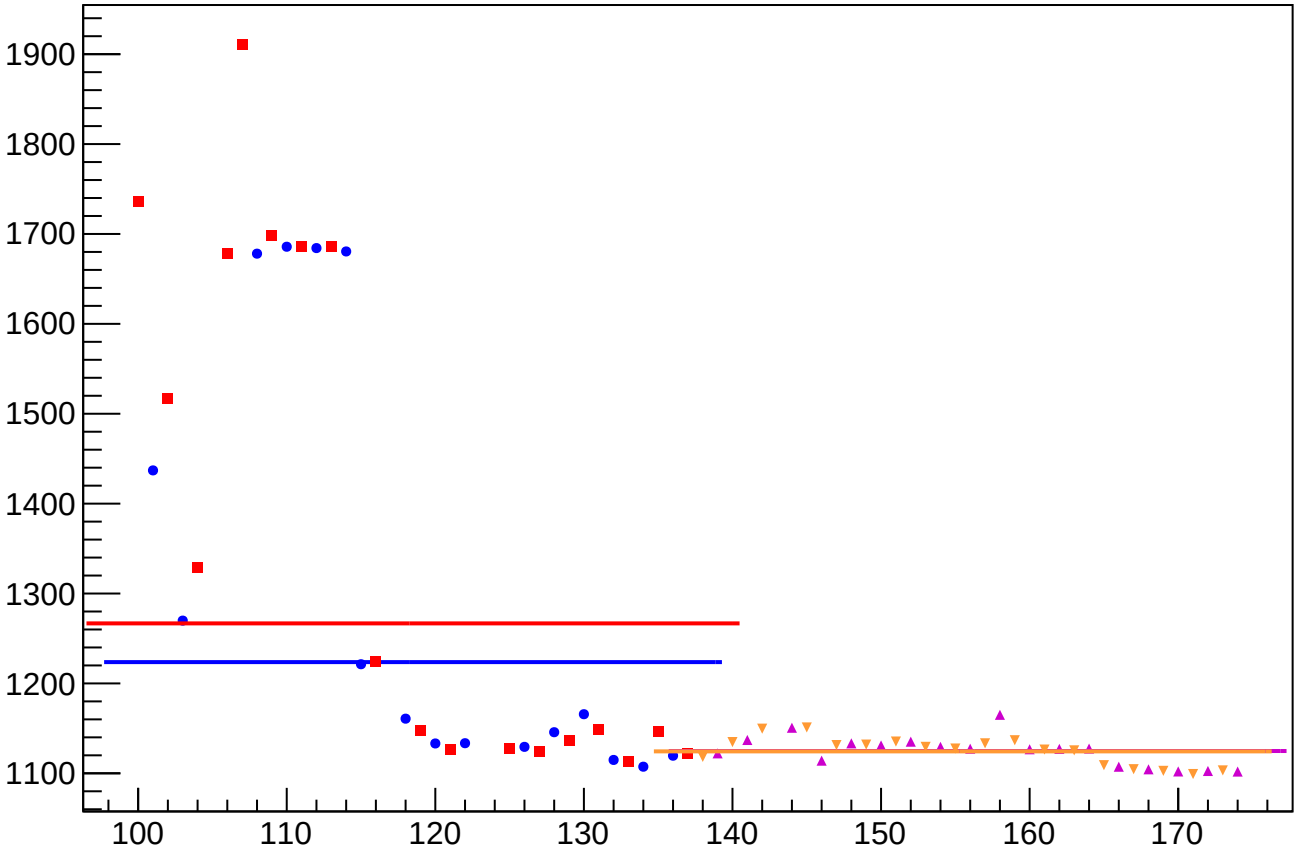
Left In: -39.698+/-291.596 χ^2/NDF:19.5/17

+ sign 40.533+/-250.107 χ^2/NDF: 26.3/33

All: -38.631+/-176.281 χ^2/NDF: 71.0/69

- 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: 1124.408+/-0.211 χ^2/NDF:4942.7/17

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

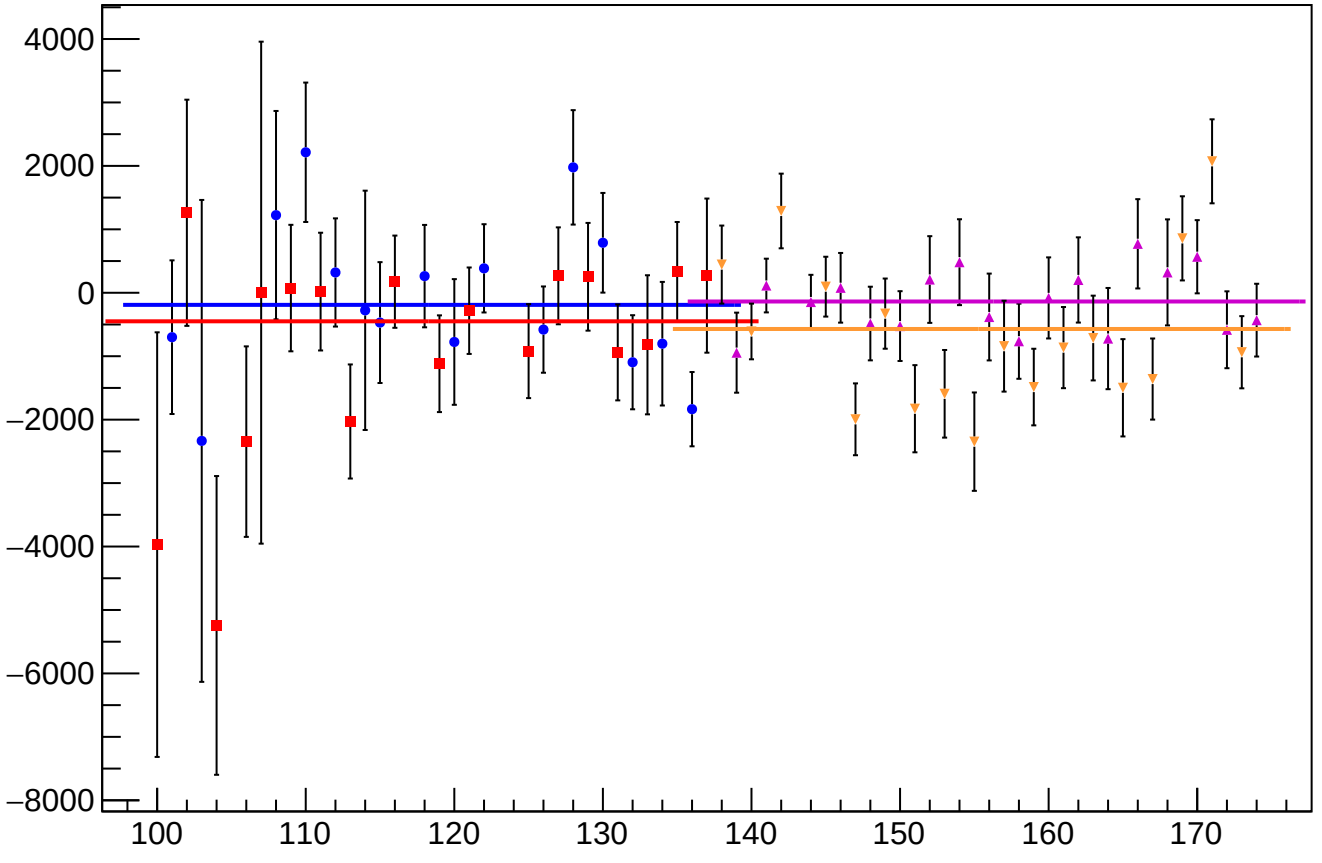
Left In: 1124.799+/-0.206 χ^2/NDF:6707.1/17

+ sign 1153.862+/-0.177 χ^2/NDF: 365680.8/33

All: 1158.797+/-0.125 χ^2/NDF: 936585.1/69

- 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: -570.762+/-143.356 χ^2/NDF:58.7/17

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

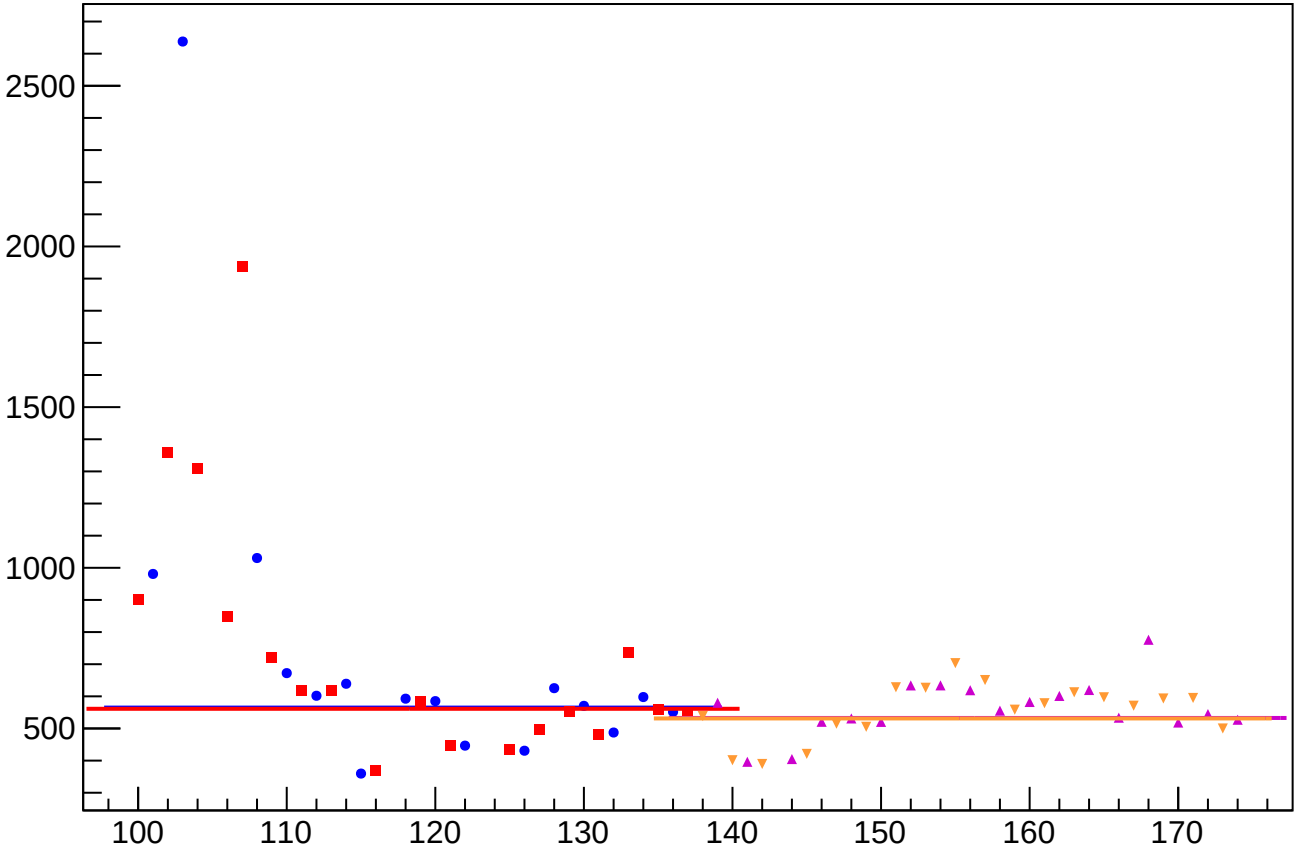
Left In: -137.520+/-140.168 χ^2/NDF:10.4/17

\+ sign -459.514+/-120.567 χ^2/NDF: 86.0/33

All: -340.864+/-84.587 χ^2/NDF: 116.5/69

\- 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: 531.199+/-0.101 χ^2/NDF:748908.6/17

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

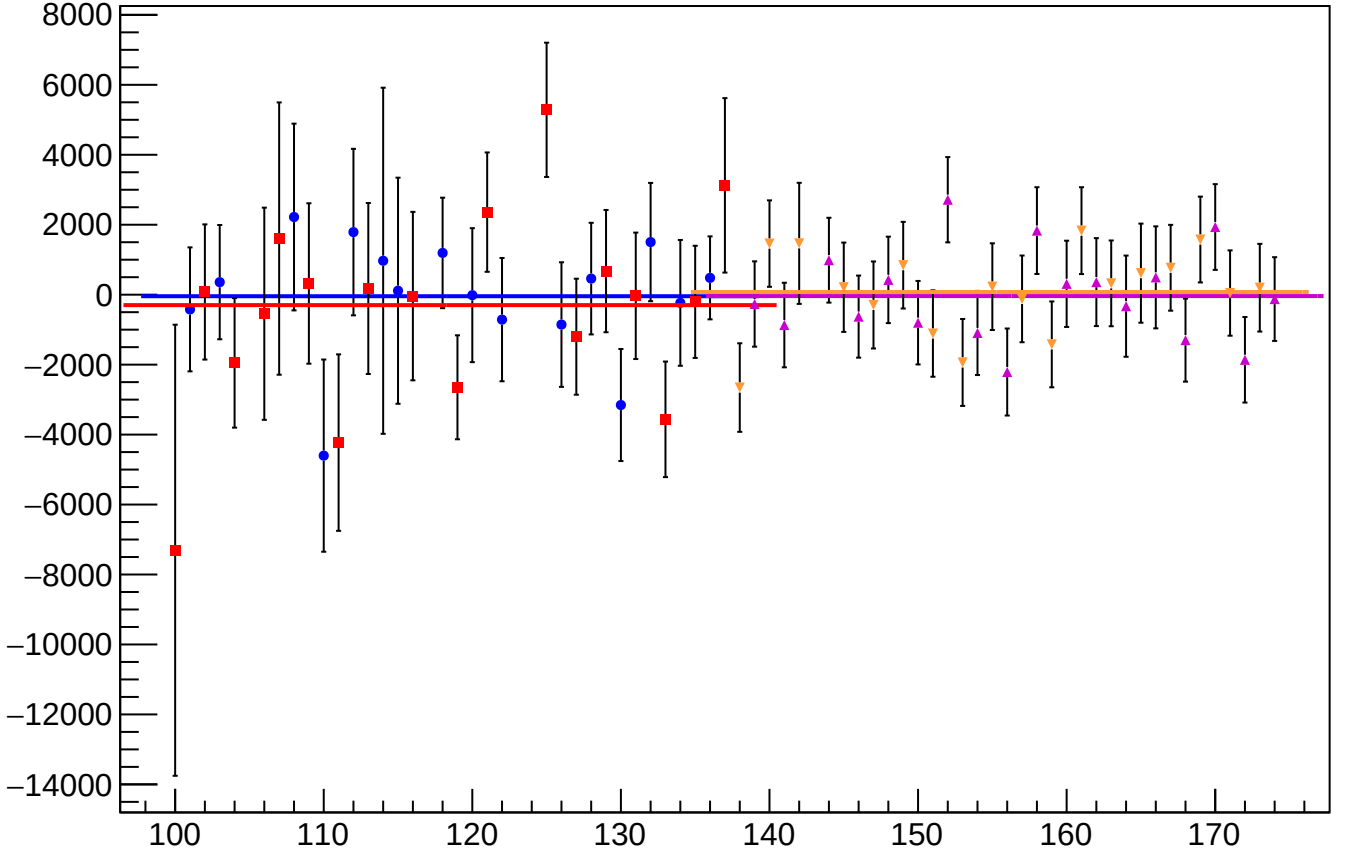
Left In: 532.712+/-0.099 χ^2/NDF:751115.9/17

+ sign 541.079+/-0.085 χ^2/NDF: 2065848.6/33

All: 540.928+/-0.060 χ^2/NDF: 4192647.1/69

- 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: 76.080+/-298.217 χ^2/NDF:16.1/17

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

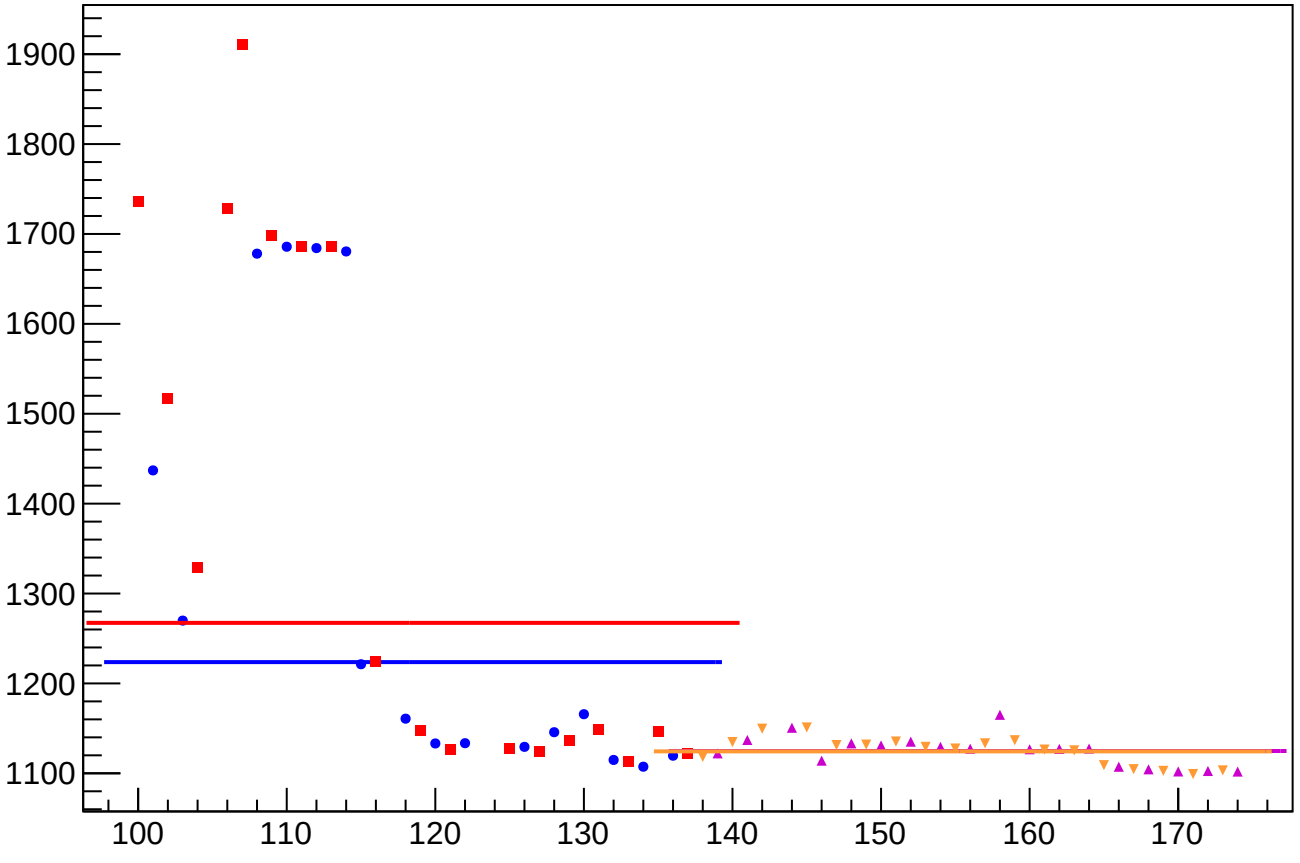
Left In: -39.695+/-291.596 χ^2/NDF:19.5/17

+ sign 40.484+/-250.107 χ^2/NDF: 26.3/33

All: -35.420+/-176.300 χ^2/NDF: 70.8/69

- 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: 1124.408+/-0.211 χ^2/NDF:4942.7/17

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

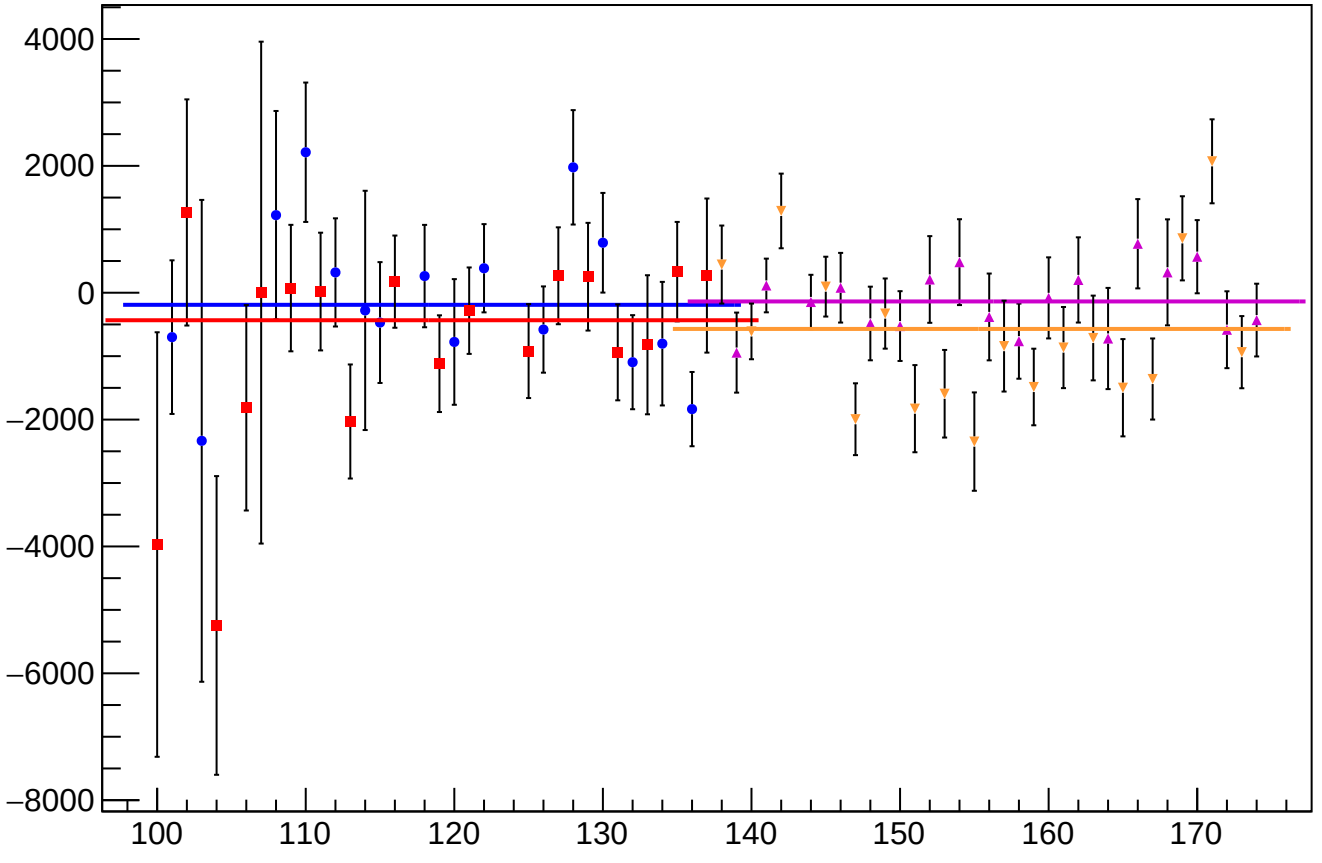
Left In: 1124.799+/-0.206 χ^2/NDF:6707.1/17

+ sign 1153.862+/-0.177 χ^2/NDF: 365680.9/33

All: 1158.853+/-0.125 χ^2/NDF: 944677.1/69

- 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: -570.783+/-143.355 χ^2/NDF:58.7/17

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

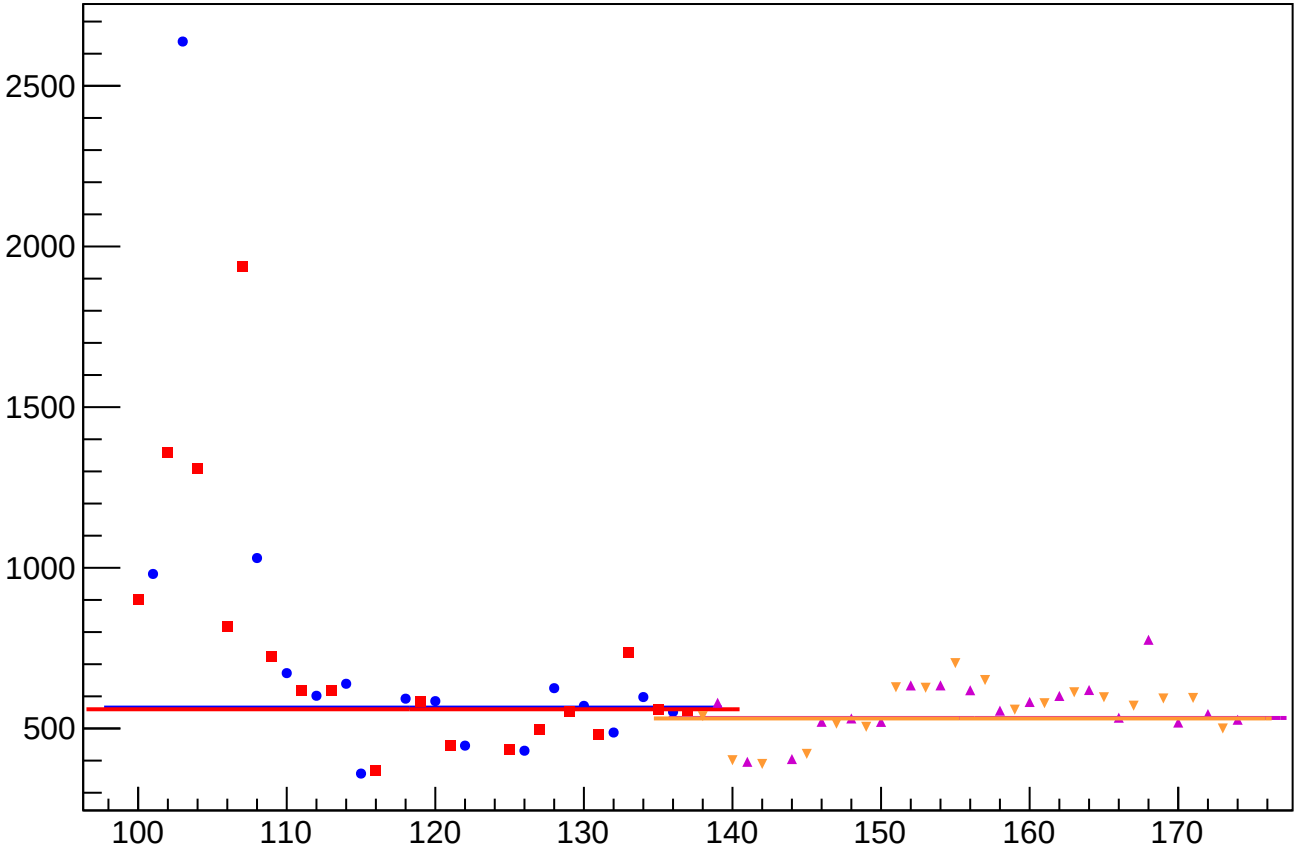
Left In: -137.503+/-140.167 χ^2/NDF:10.4/17

+ sign -459.532+/-120.567 χ^2/NDF: 86.0/33

All: -338.530+/-84.605 χ^2/NDF: 115.6/69

- 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: 531.197+/-0.101 χ^2/NDF:748898.3/17

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

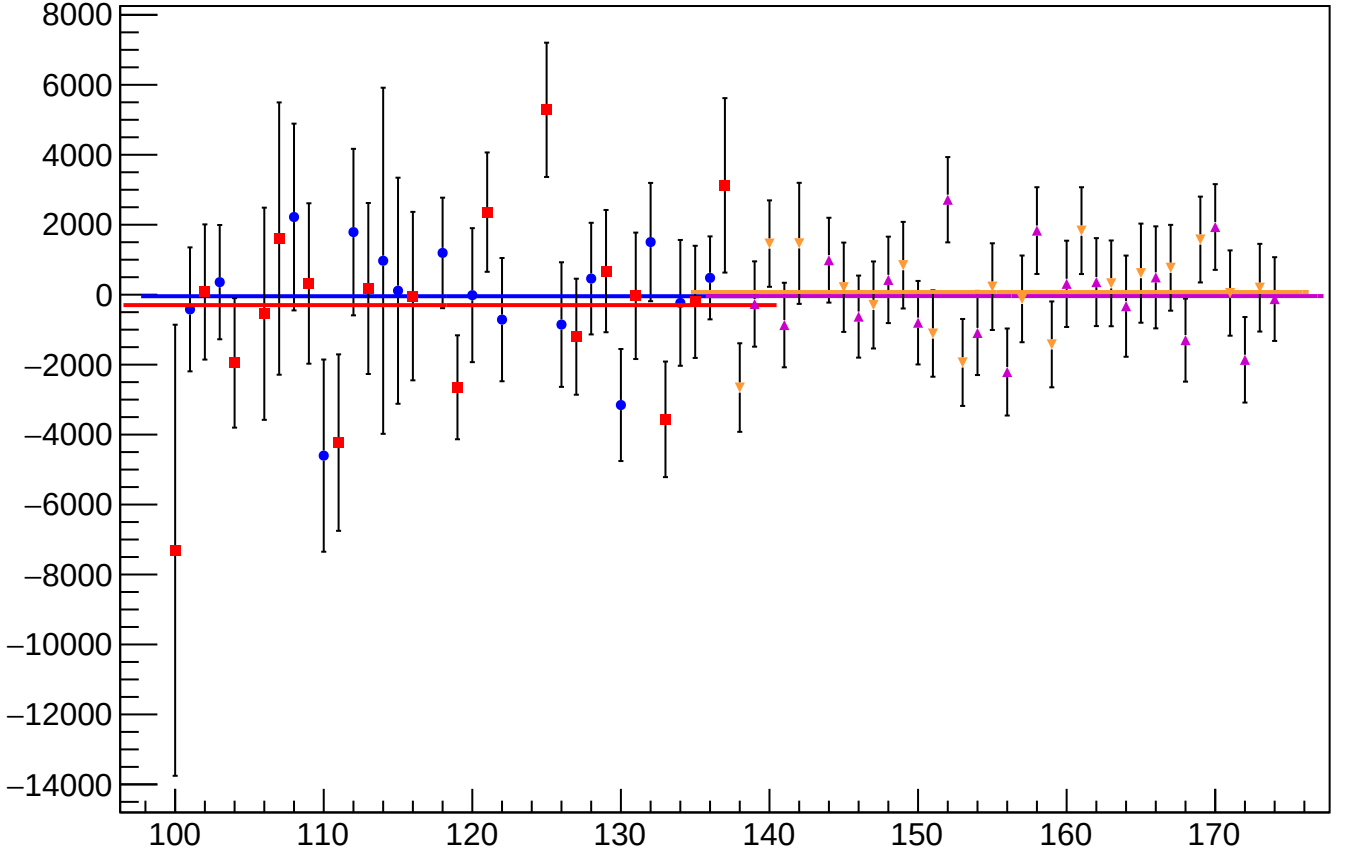
Left In: 532.711+/-0.099 χ^2/NDF:751074.1/17

+ sign 541.076+/-0.085 χ^2/NDF: 2065810.0/33

All: 540.705+/-0.060 χ^2/NDF: 4167293.0/69

- 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: 76.080+/-298.217 χ^2/NDF:16.1/17

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

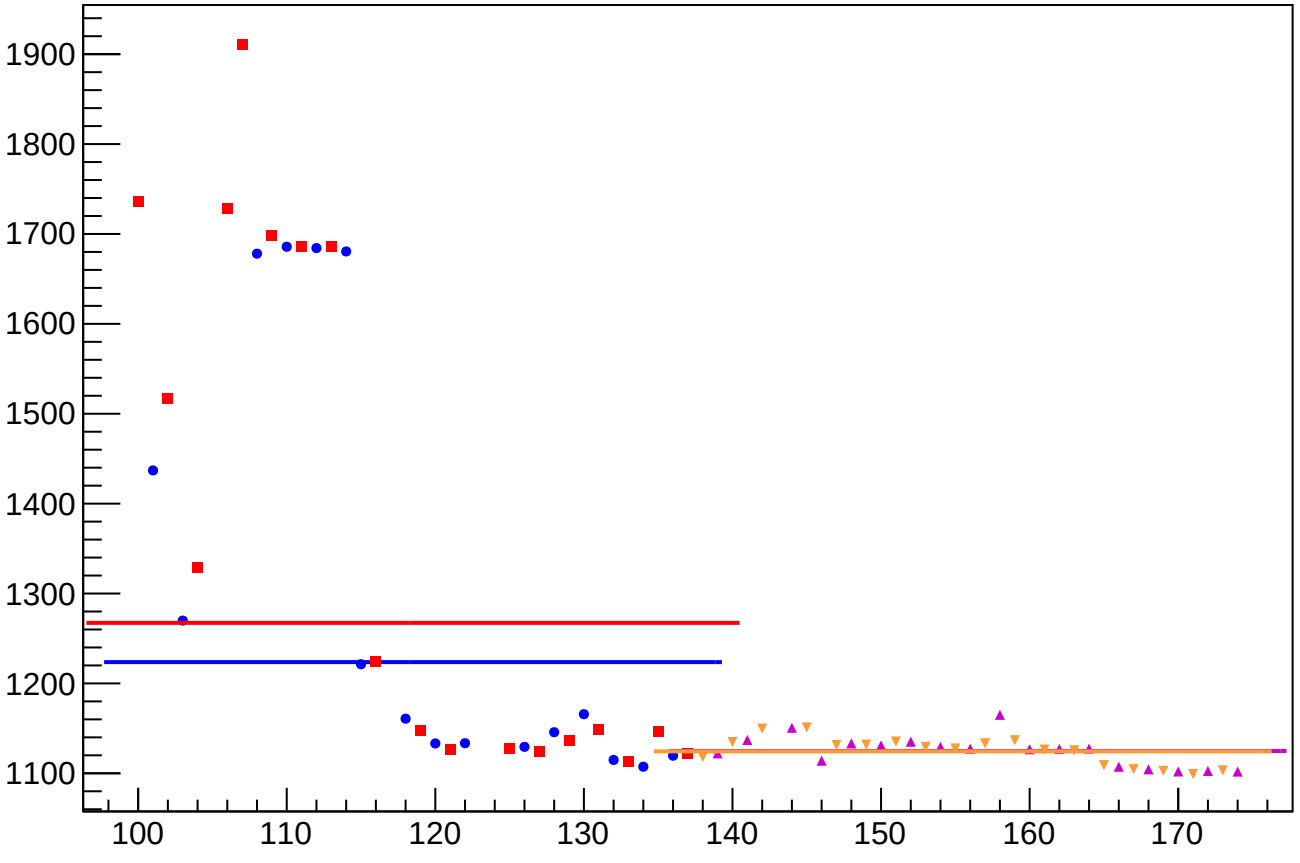
Left In: -39.695+/-291.596 χ^2/NDF:19.5/17

+ sign 40.484+/-250.107 χ^2/NDF: 26.3/33

All: -35.420+/-176.300 χ^2/NDF: 70.8/69

- 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: 1124.408+/-0.211 χ^2/NDF:4942.7/17

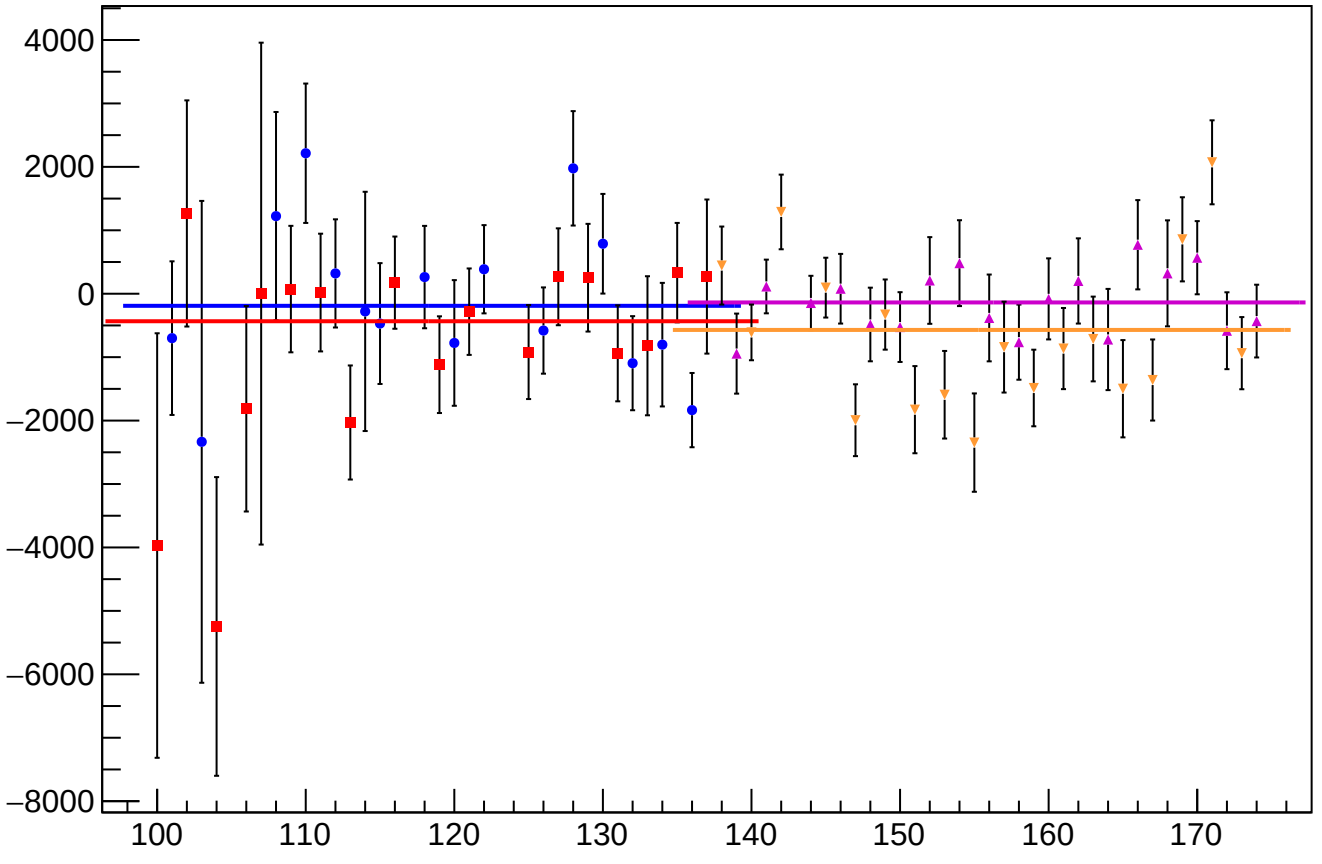
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1124.799+/-0.206 χ^2/NDF:6707.1/17

+ sign 1153.862+/-0.177 χ^2/NDF: 365680.9/33

All: 1158.853+/-0.125 χ^2/NDF: 944677.1/69

- 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: -570.783+/-143.355 χ^2/NDF:58.7/17

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

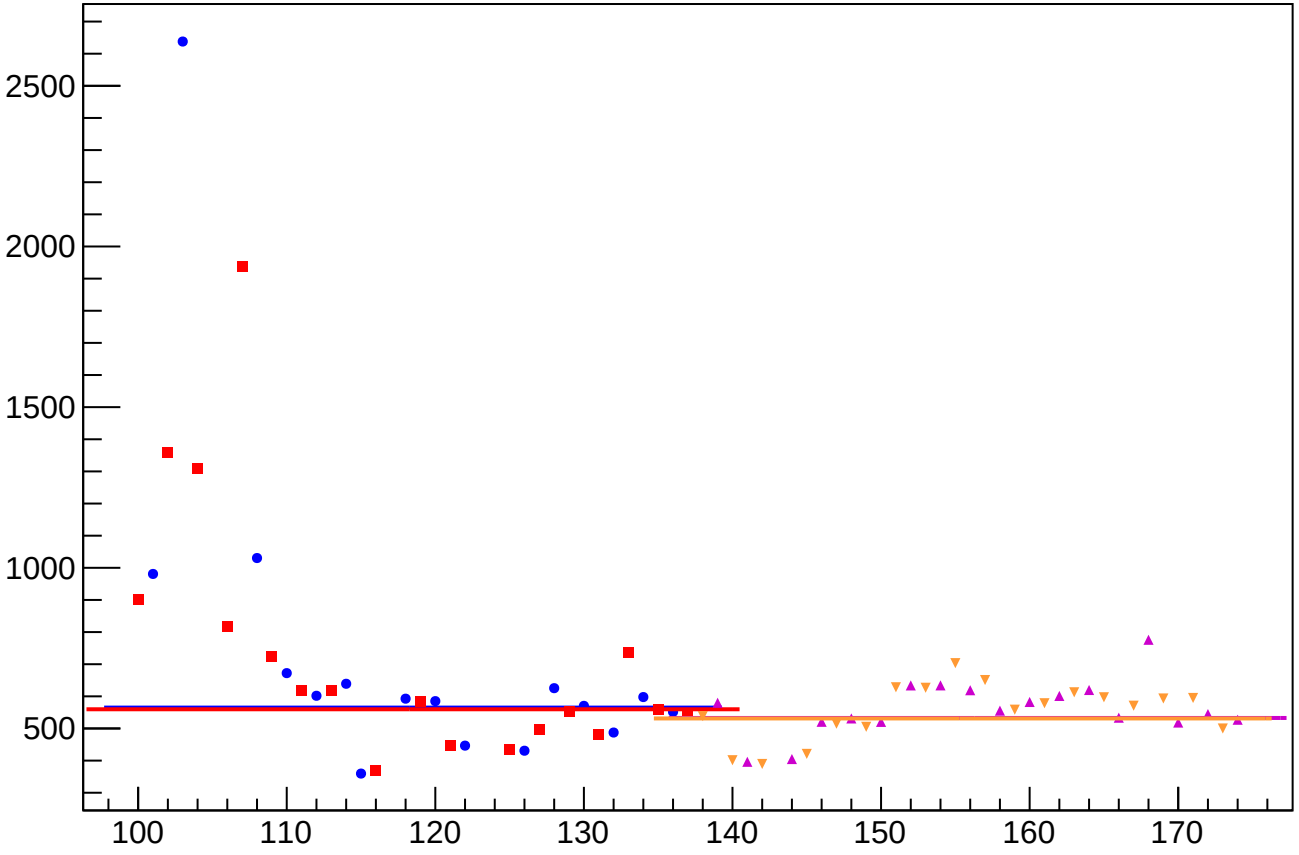
Left In: -137.503+/-140.167 χ^2/NDF:10.4/17

\+ sign -459.532+/-120.567 χ^2/NDF: 86.0/33

All: -338.530+/-84.605 χ^2/NDF: 115.6/69

\- sign -221.141+/-118.754 χ^2/NDF: 27.6/35

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 531.197+/-0.101 χ^2/NDF:748898.3/17

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

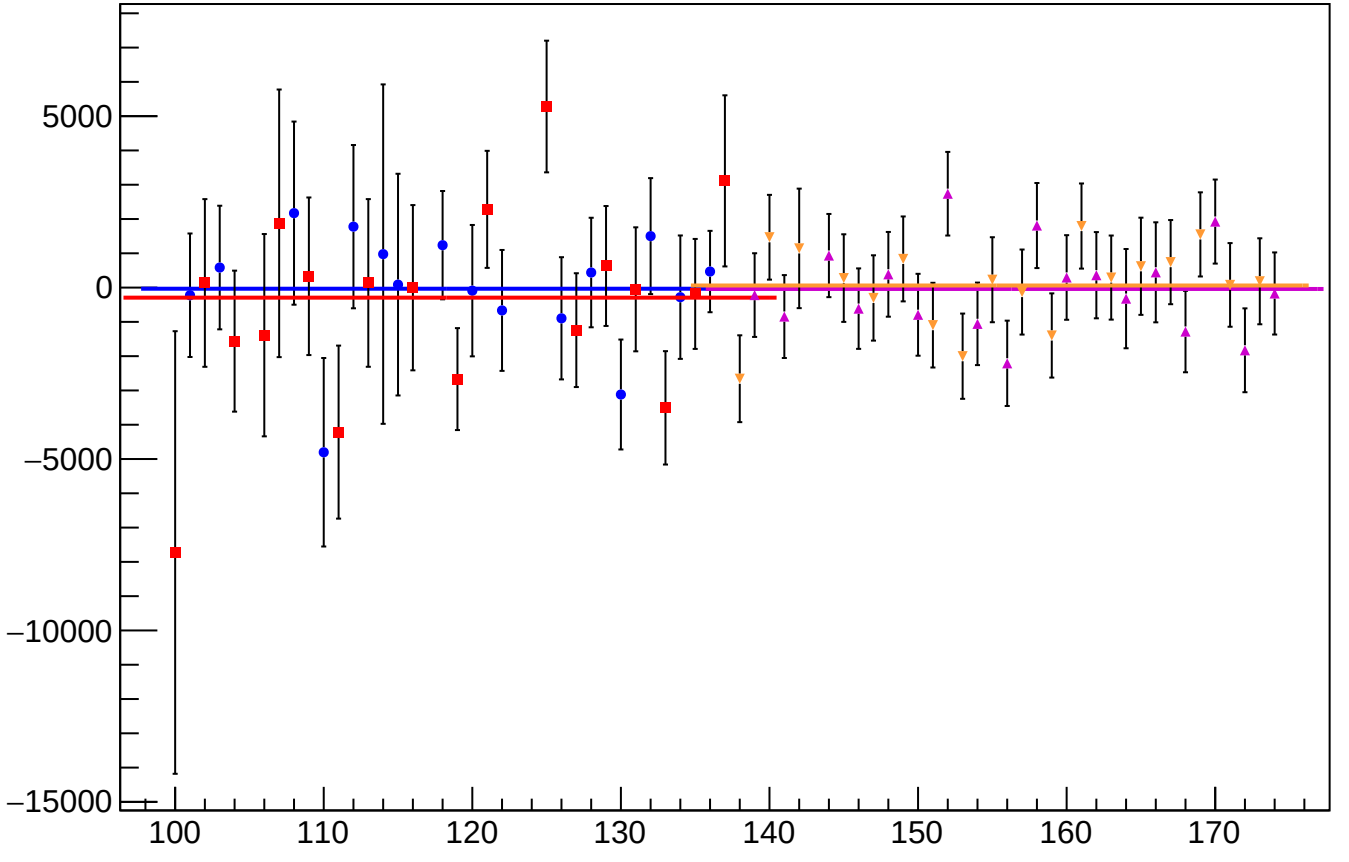
Left In: 532.711+/-0.099 χ^2/NDF:751074.1/17

+ sign 541.076+/-0.085 χ^2/NDF: 2065810.0/33

All: 540.705+/-0.060 χ^2/NDF: 4167293.0/69

- 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: 61.068+/-298.394 χ^2/NDF:15.8/17

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

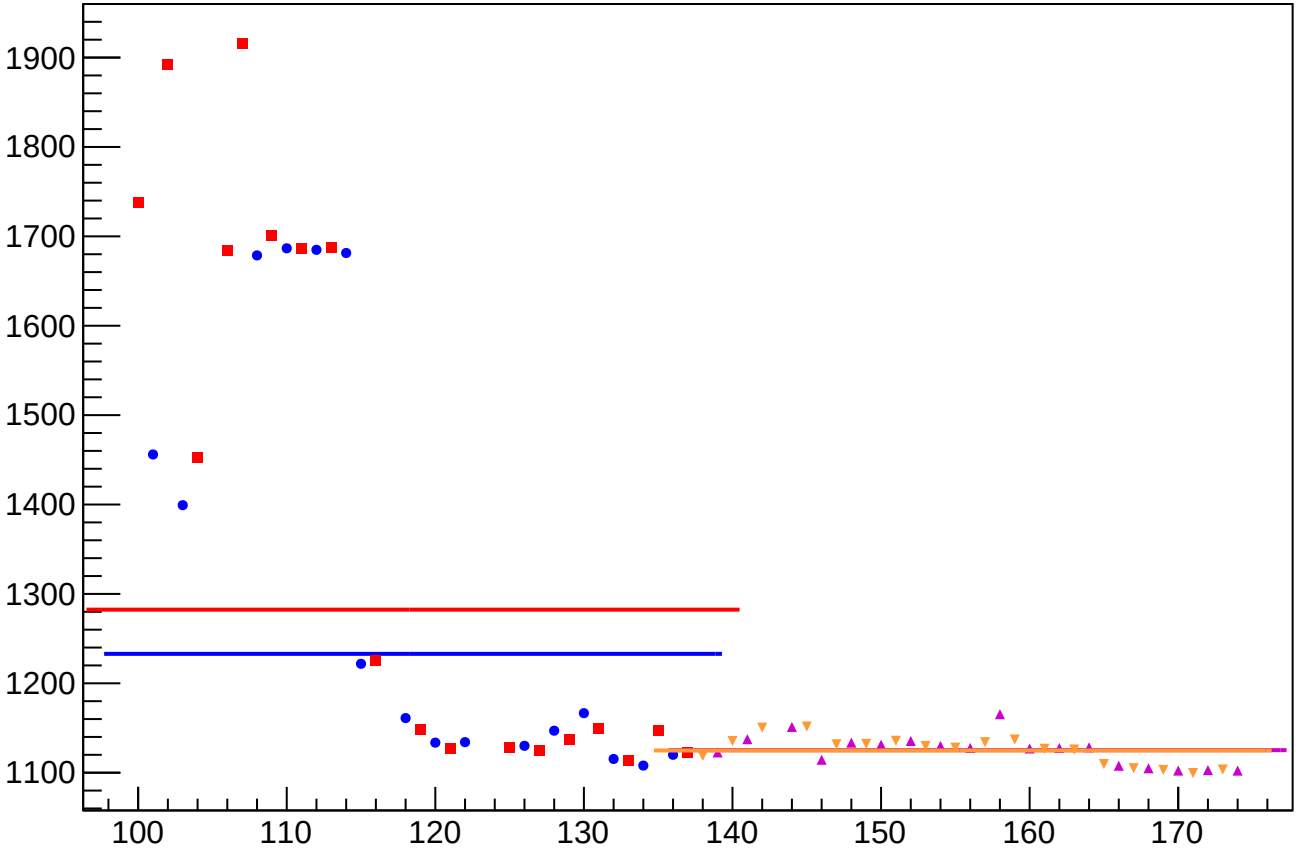
Left In: -39.955+/-291.710 χ^2/NDF:19.2/17

+ sign 33.463+/-250.852 χ^2/NDF: 26.1/33

All: -37.319+/-177.012 χ^2/NDF: 69.9/69

- 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: 1124.857+/-0.211 χ^2/NDF:4958.4/17

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

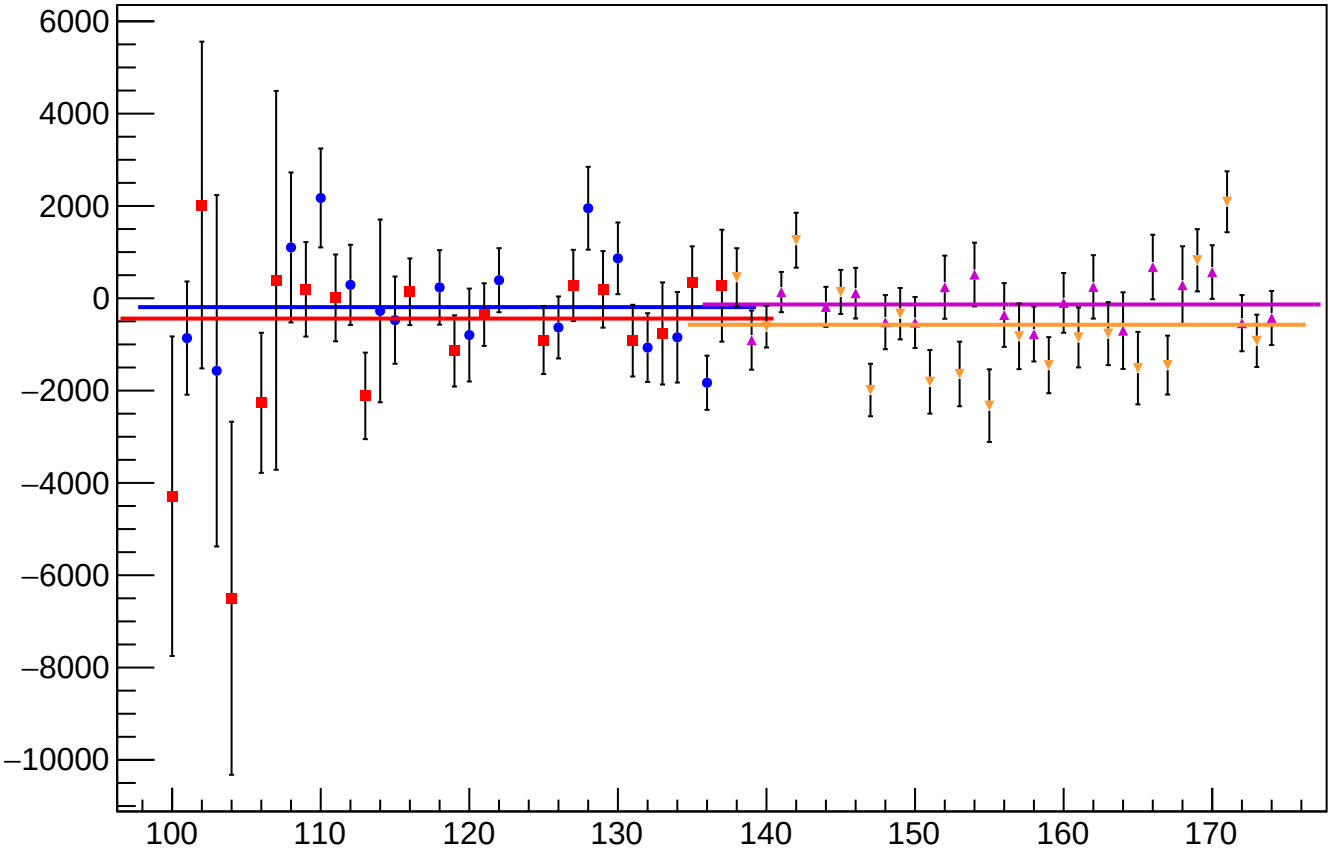
Left In: 1125.237+/-0.206 χ^2/NDF:6711.4/17

+ sign 1156.562+/-0.177 χ^2/NDF: 397418.7/33

All: 1161.871+/-0.125 χ^2/NDF: 1104098.1/69

- 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: -573.452+/-144.865 χ^2/NDF:58.0/17

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

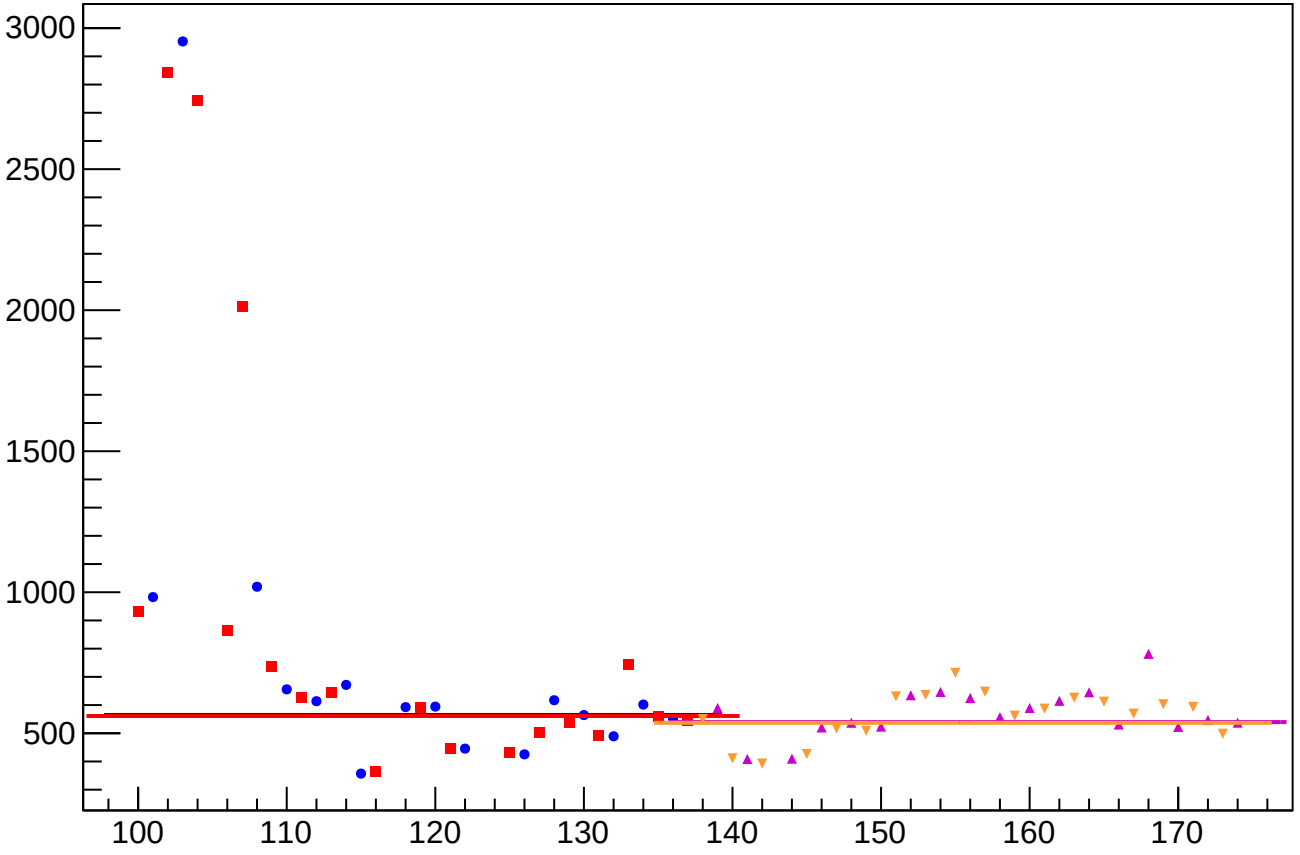
Left In: -134.340+/-141.908 χ^2/NDF:9.9/17

+ sign -459.941+/-121.444 χ^2/NDF: 85.3/33

All: -338.975+/-85.456 χ^2/NDF: 113.2/69

- 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: 537.089+/-0.102 χ^2/NDF:731541.7/17

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

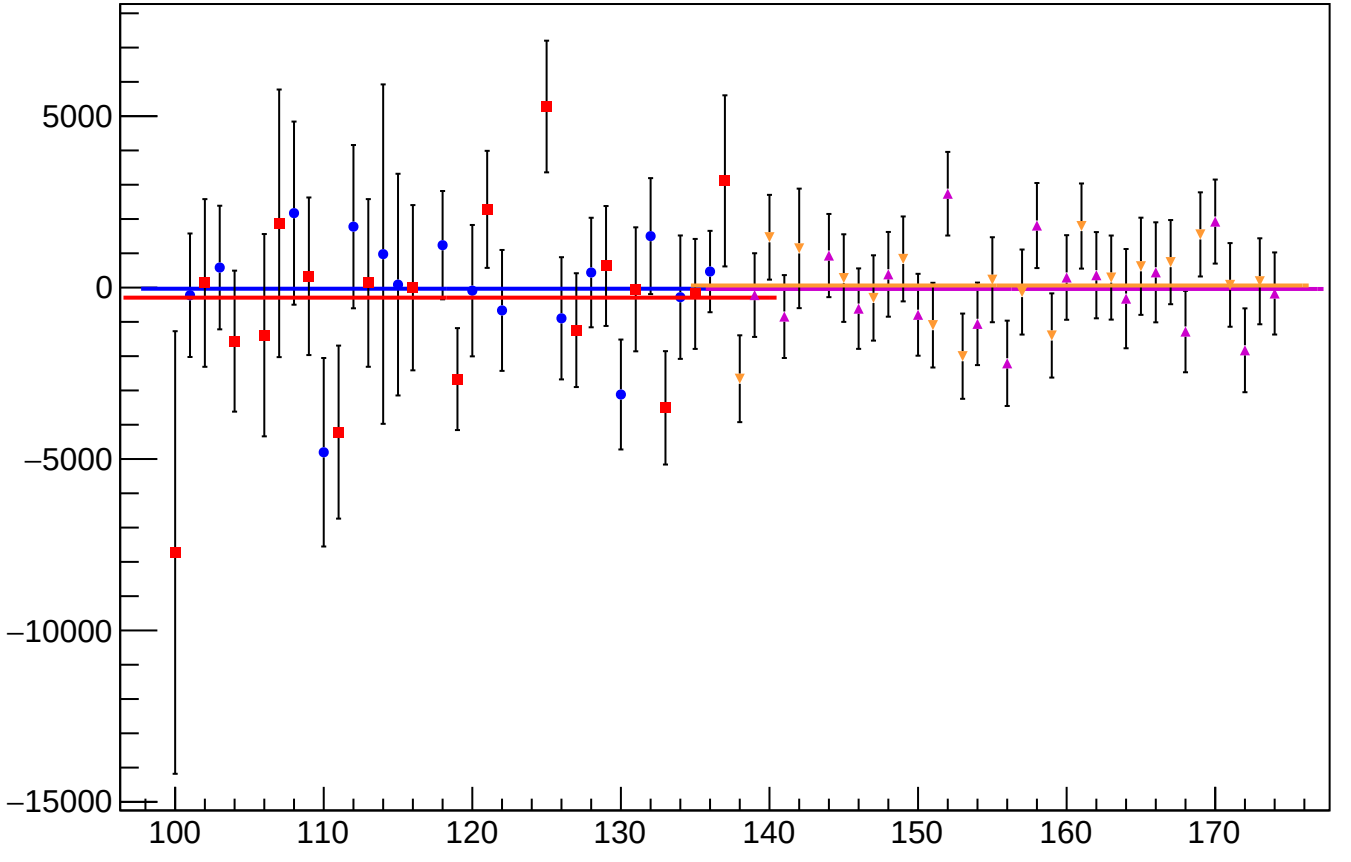
Left In: 539.681+/-0.100 χ^2/NDF:729469.9/17

+ sign 545.346+/-0.086 χ^2/NDF: 2233779.3/33

All: 545.557+/-0.060 χ^2/NDF: 5249676.6/69

- 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: 61.066+/-298.394 χ^2/NDF:15.8/17

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

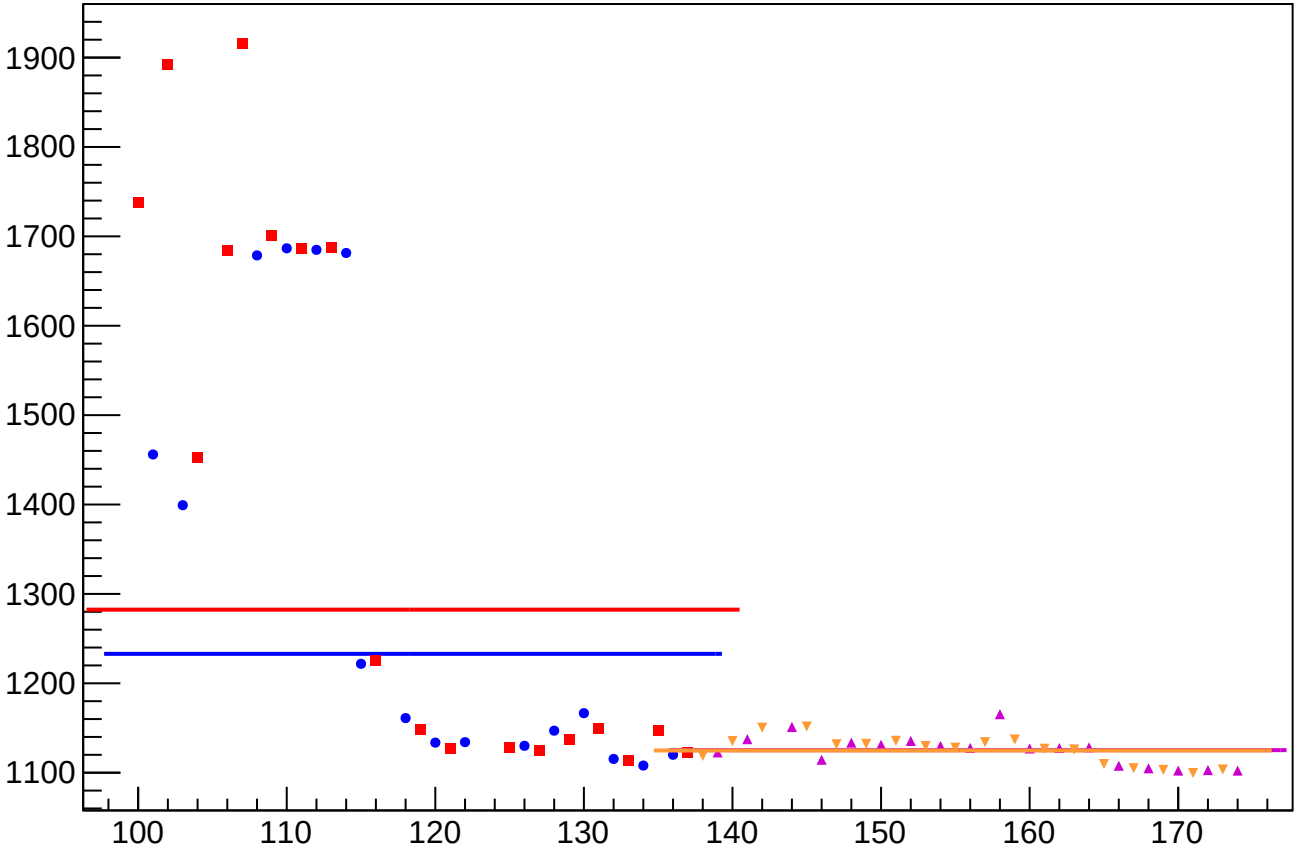
Left In: -39.956+/-291.710 χ^2/NDF:19.2/17

+ sign 33.461+/-250.852 χ^2/NDF: 26.1/33

All: -37.319+/-177.012 χ^2/NDF: 69.9/69

- 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: 1124.857+/-0.211 χ^2/NDF:4958.4/17

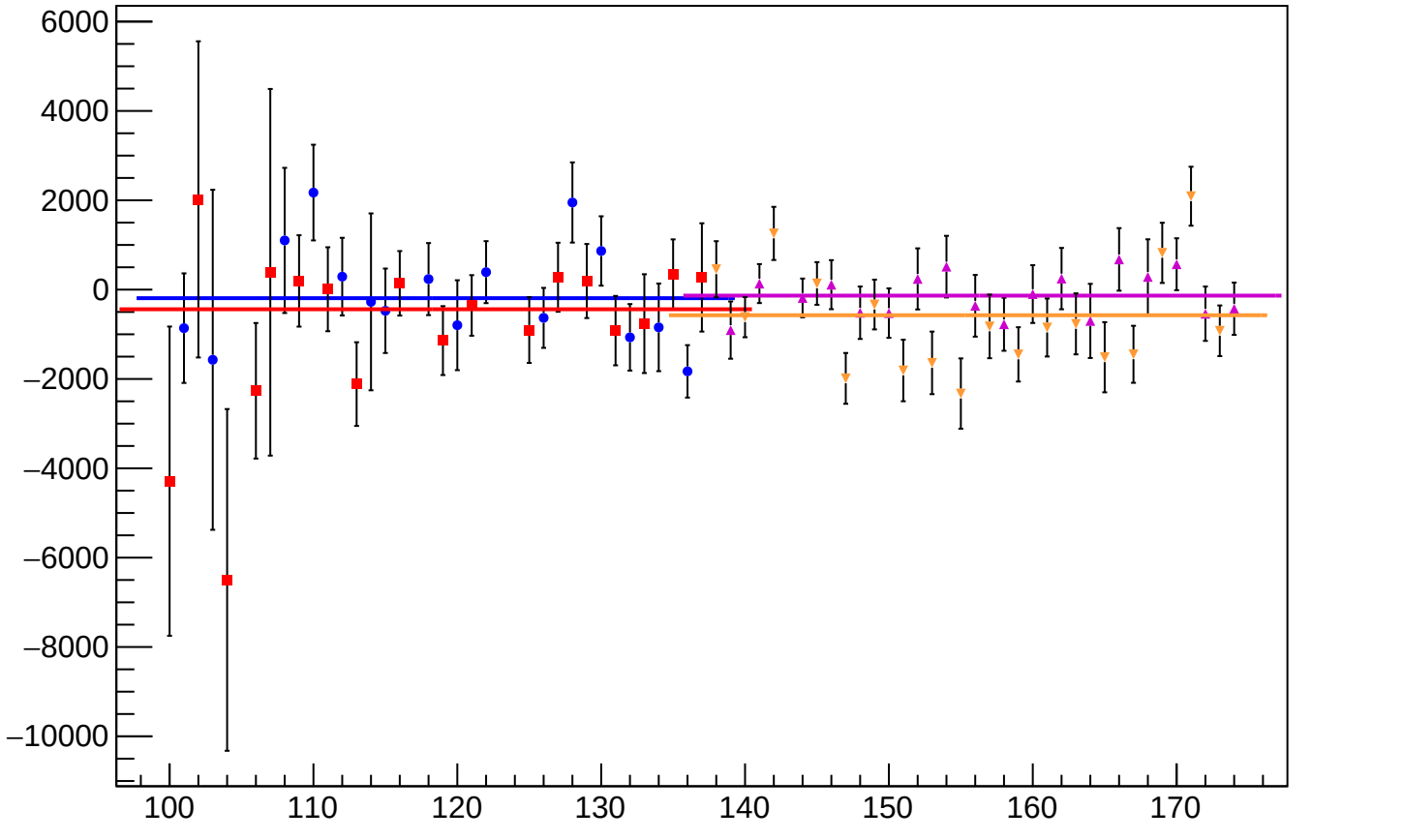
Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1125.237+/-0.206 χ^2/NDF:6711.4/17

+ sign 1156.562+/-0.177 χ^2/NDF: 397418.2/33

All: 1161.871+/-0.125 χ^2/NDF: 1104096.9/69

- 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: -573.450+/-144.864 χ^2/NDF:58.0/17

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

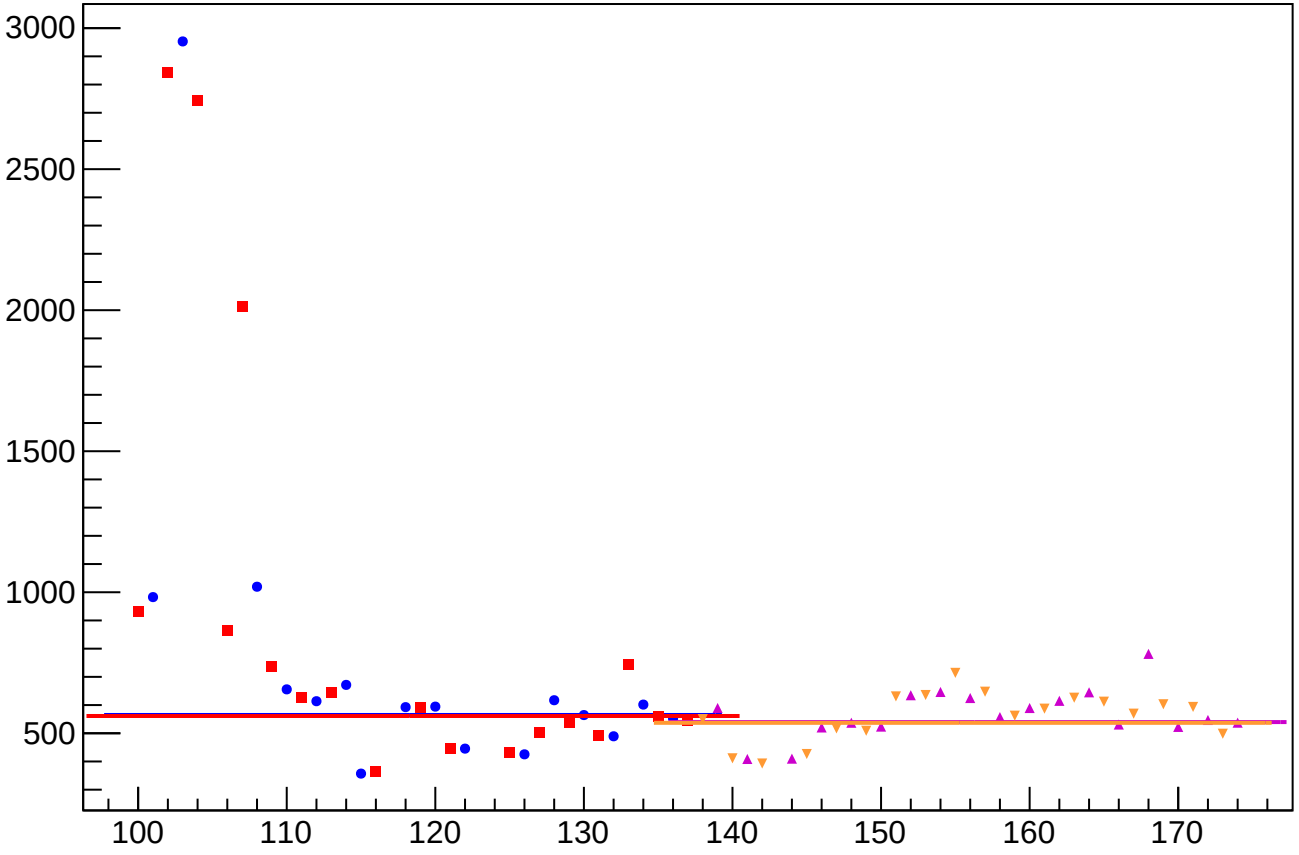
Left In: -134.340+/-141.908 χ^2/NDF:9.9/17

+ sign -459.940+/-121.444 χ^2/NDF: 85.3/33

All: -338.974+/-85.456 χ^2/NDF: 113.2/69

- 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: 537.088+/-0.102 χ^2/NDF:731560.0/17

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

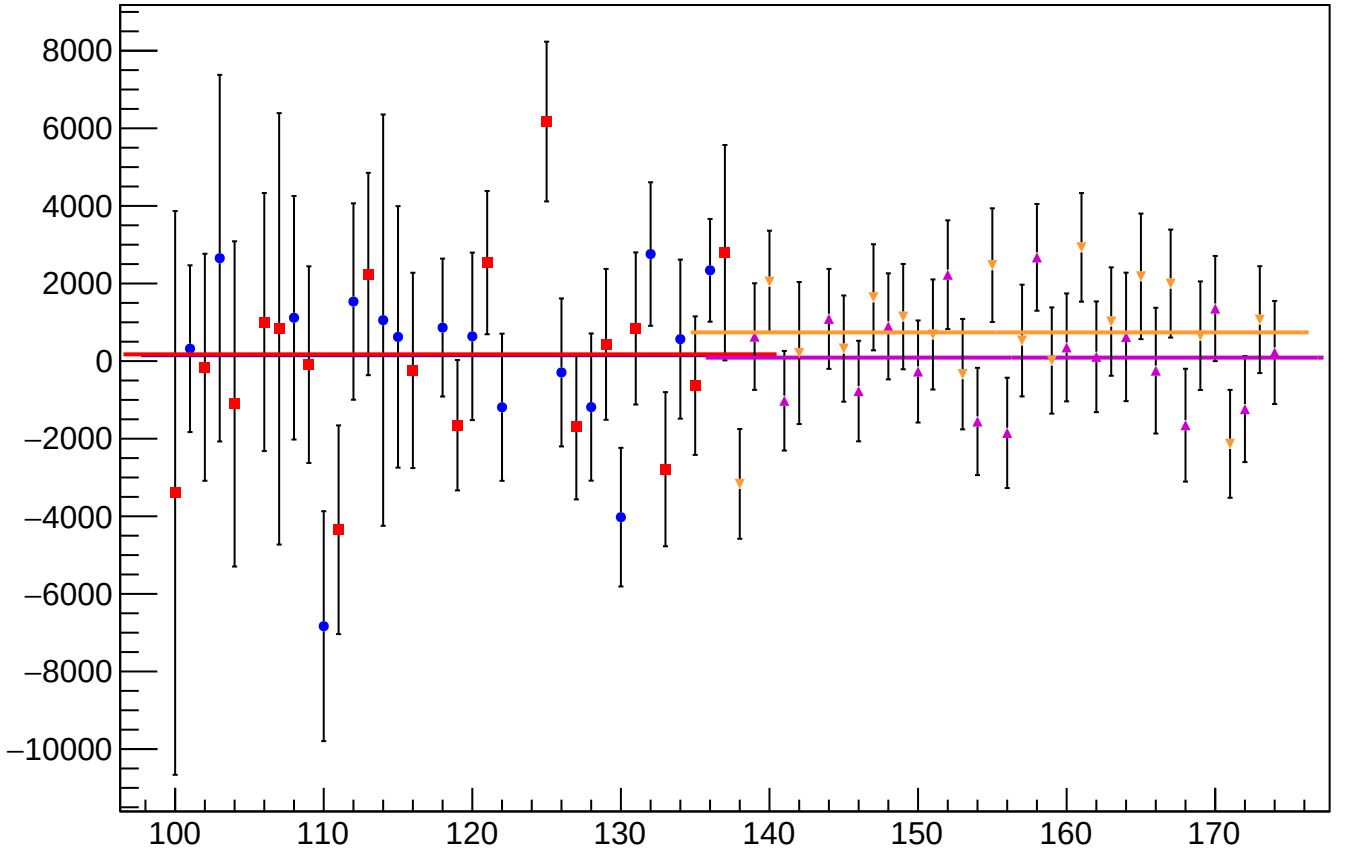
Left In: 539.680+/-0.100 χ^2/NDF:729482.3/17

+ sign 545.345+/-0.086 χ^2/NDF: 2233796.1/33

All: 545.556+/-0.060 χ^2/NDF: 5249707.1/69

- 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: 739.667+/-334.509 χ^2/NDF:20.0/17

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

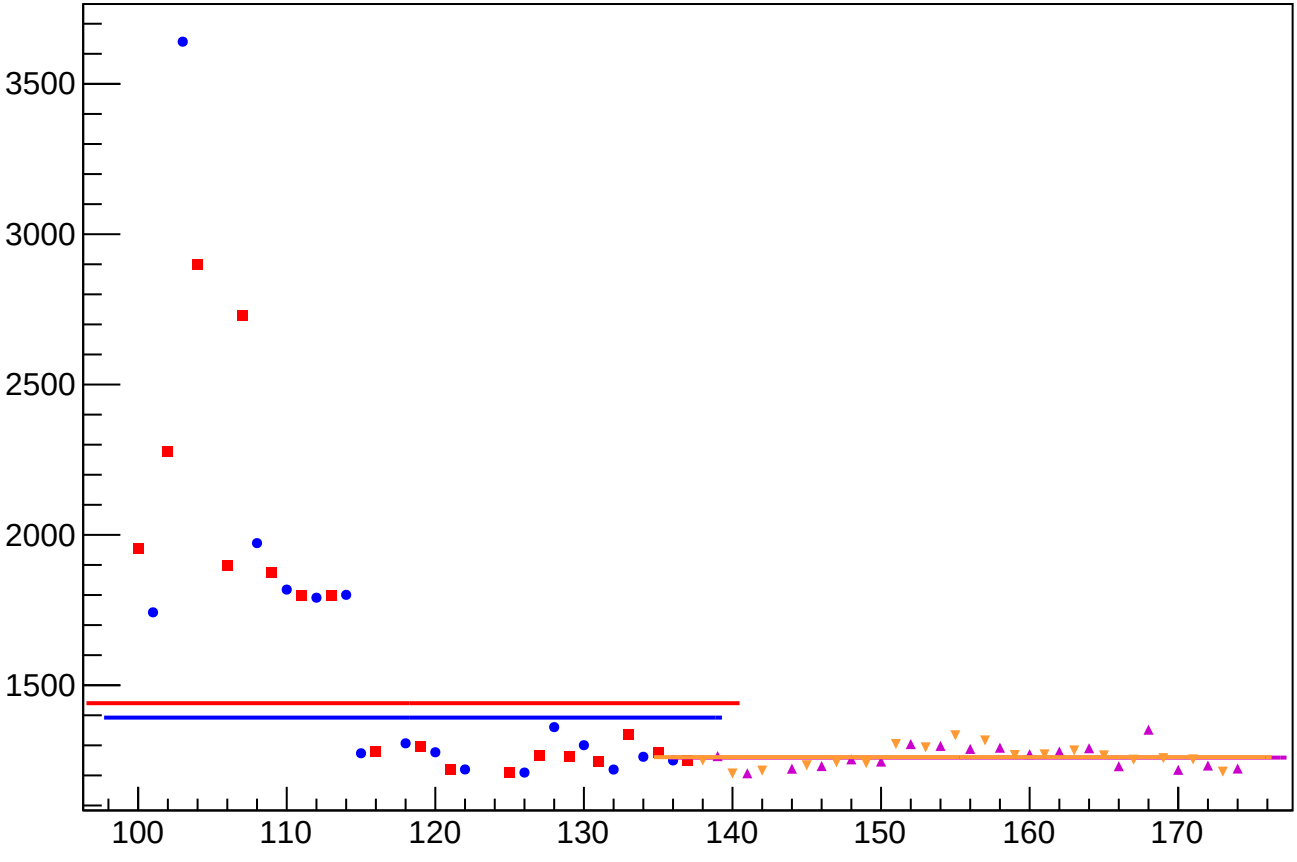
Left In: 90.033+/-326.585 χ^2/NDF:14.9/17

+ sign 573.591+/-283.196 χ^2/NDF: 38.6/33

All: 340.858+/-199.408 χ^2/NDF: 74.6/69

- 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: 1260.713+/-0.237 χ^2/NDF:20387.5/17

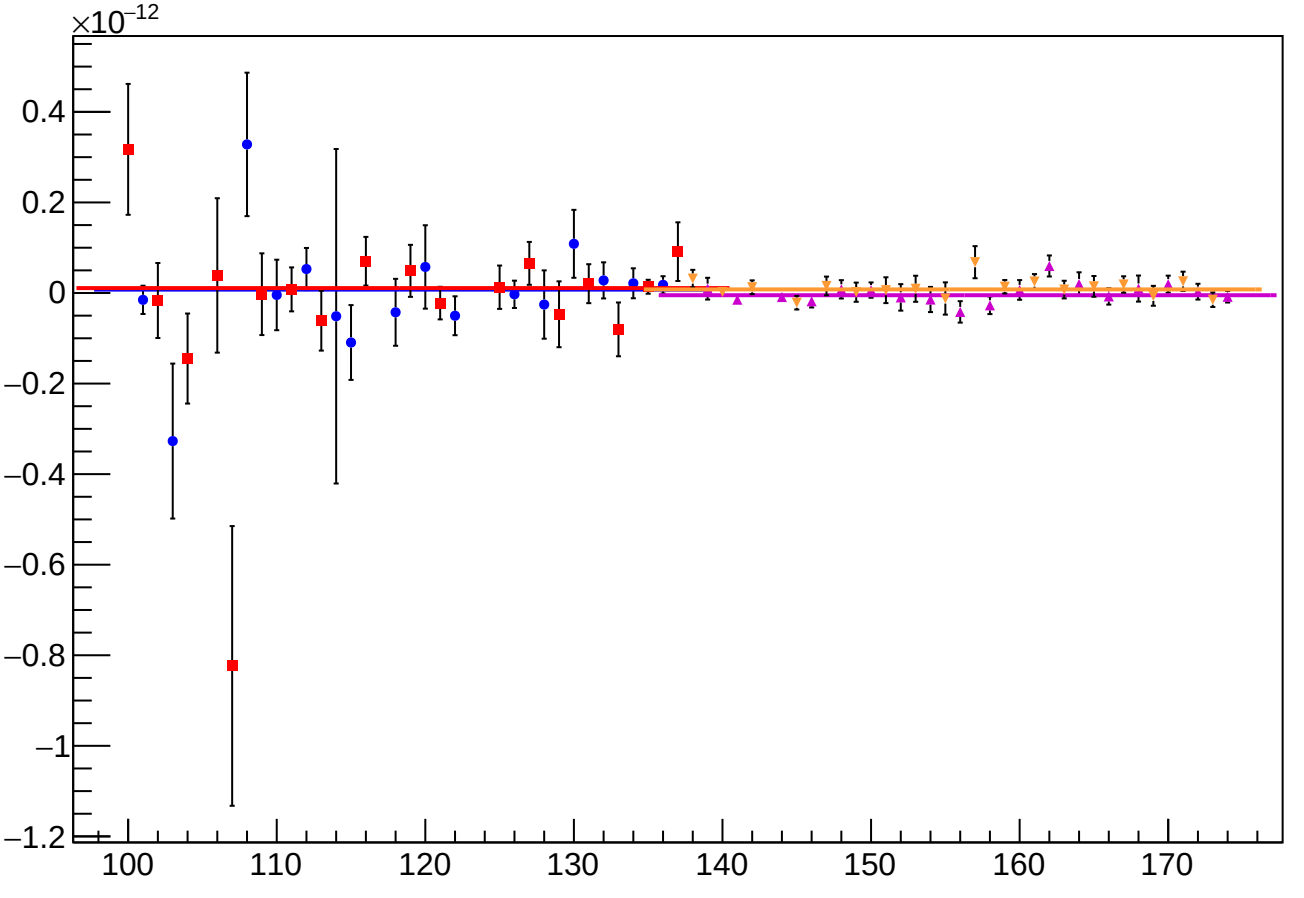
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1259.268+/-0.231 χ^2/NDF:25819.6/17

+ sign 1297.987+/-0.200 χ^2/NDF: 887293.1/33

All: 1302.238+/-0.141 χ^2/NDF: 1928883.7/69

- 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:13.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

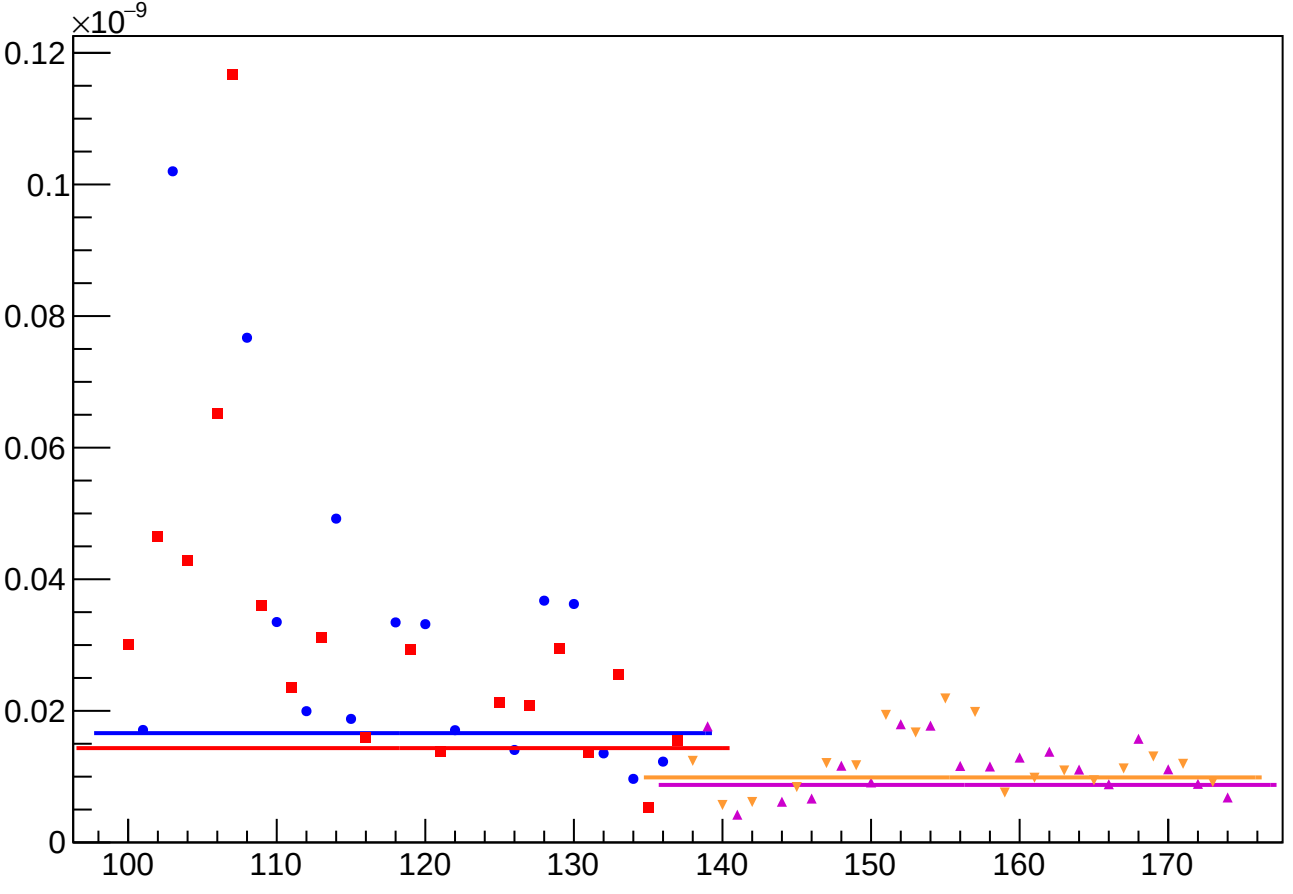
Left In: -0.000+/-0.000 χ^2/NDF:18.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 30.8/33

All: 0.000+/-0.000 χ^2/NDF: 79.1/69

- 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:1346106.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

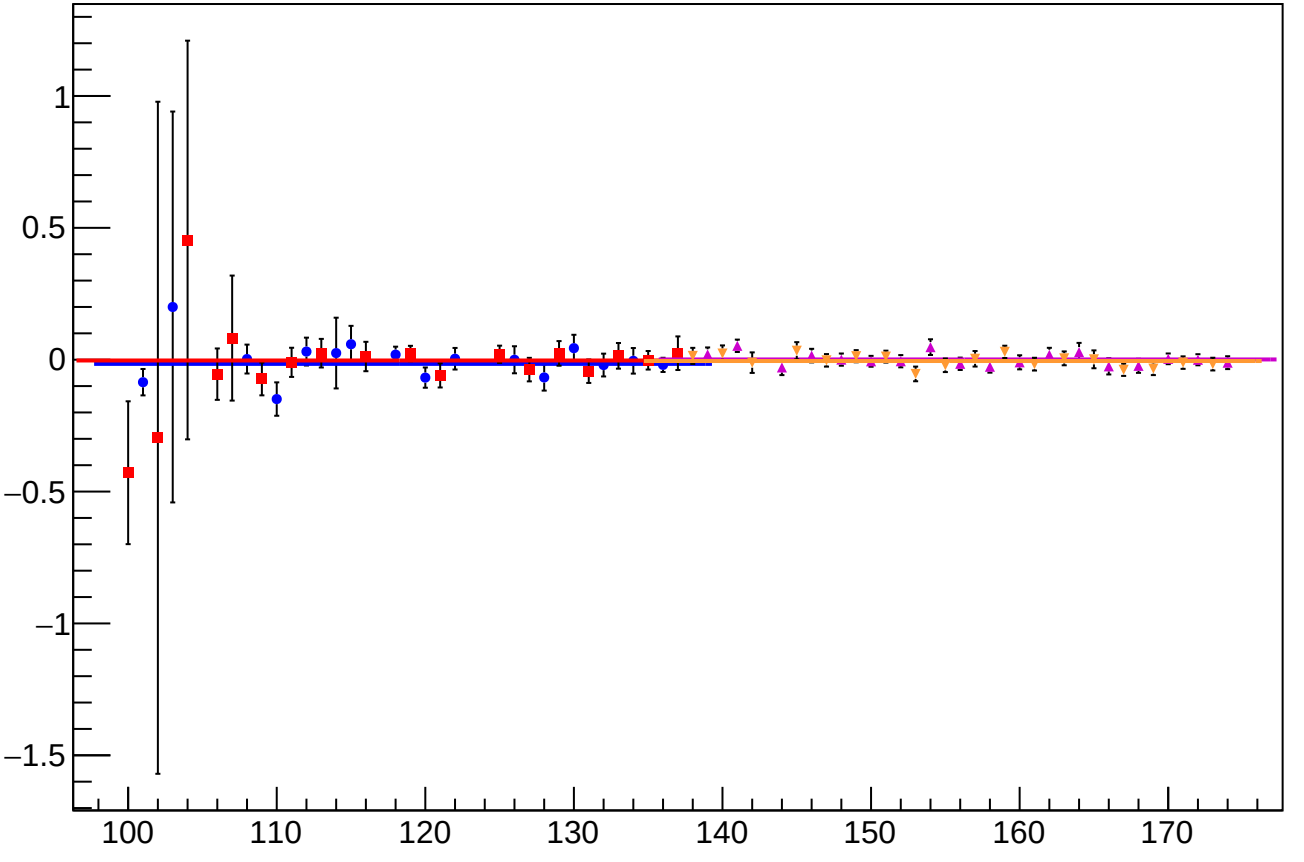
Left In: 0.000+/-0.000 χ^2/NDF:1804819.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 3578349.1/33

All: 0.000+/-0.000 χ^2/NDF: 8252628.9/69

- 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: -0.005+/-0.006 χ^2/NDF:13.8/17

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

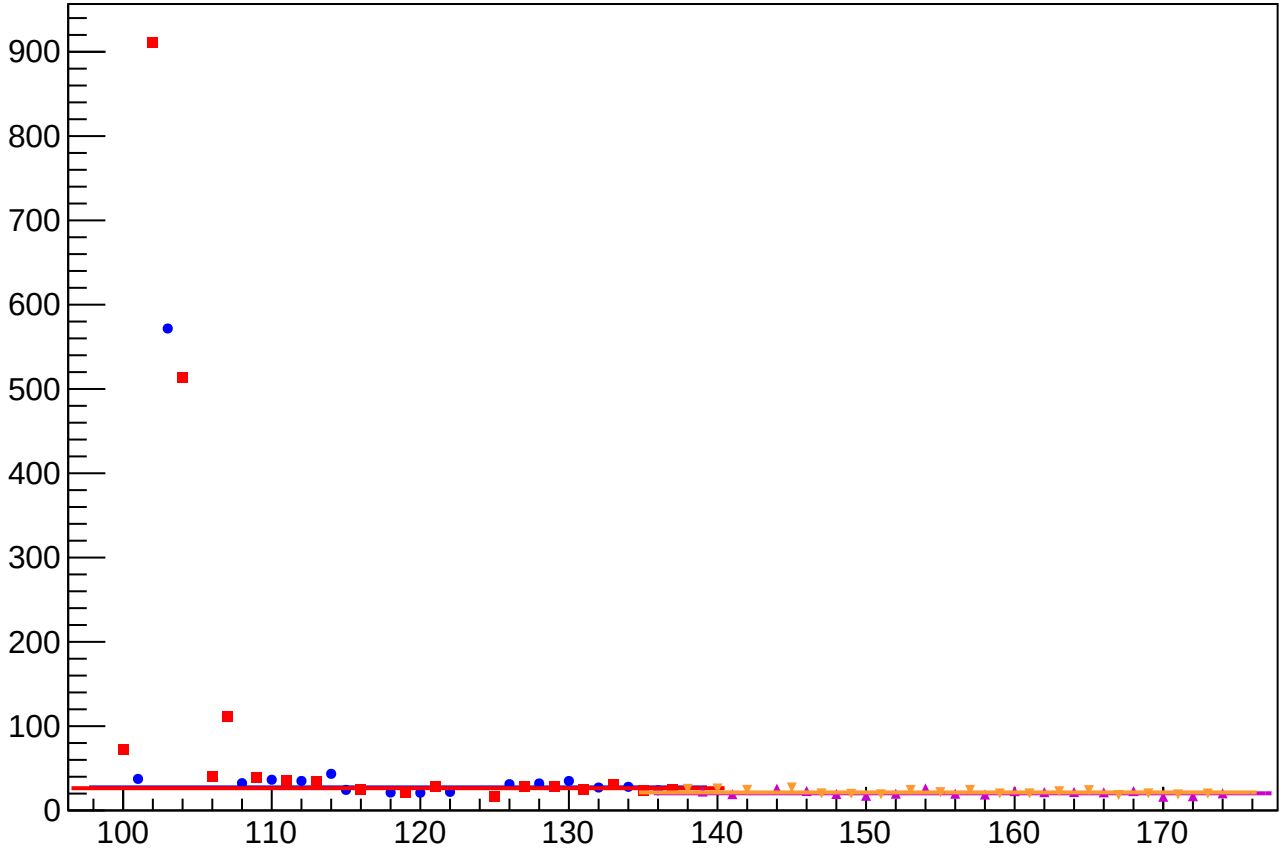
Left In: 0.001+/-0.006 χ^2/NDF:14.5/17

+ sign -0.007+/-0.005 χ^2/NDF: 29.1/33

All: -0.003+/-0.004 χ^2/NDF: 54.6/69

- 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: 21.394+/-0.004 χ^2/NDF:330086.1/17

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

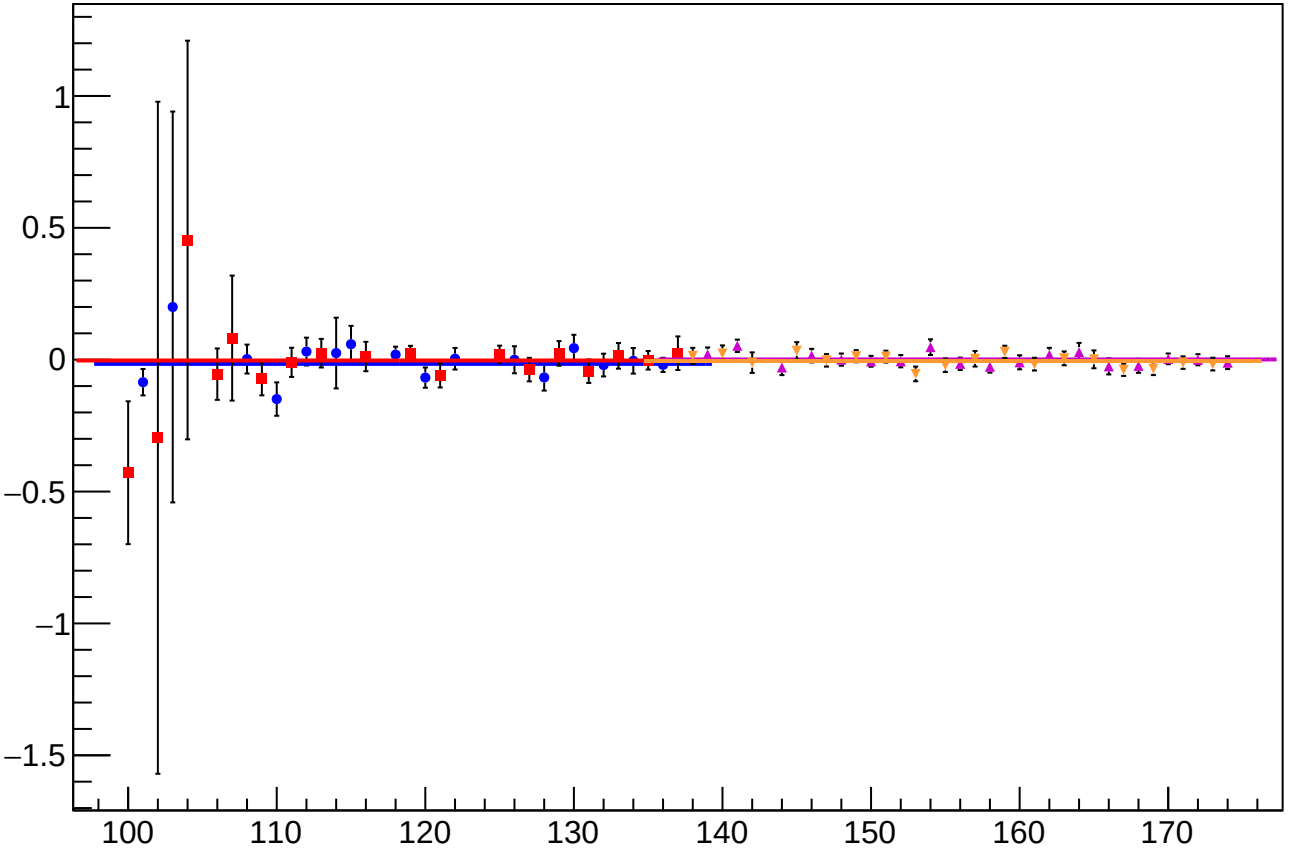
Left In: 20.343+/-0.004 χ^2/NDF:421773.8/17

+ sign 22.709+/-0.004 χ^2/NDF: 2305096.5/33

All: 22.080+/-0.003 χ^2/NDF: 5803731.1/69

- sign 21.497+/-0.004 χ^2/NDF: 3447372.6/35

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.005+/-0.006 χ^2/NDF:13.8/17

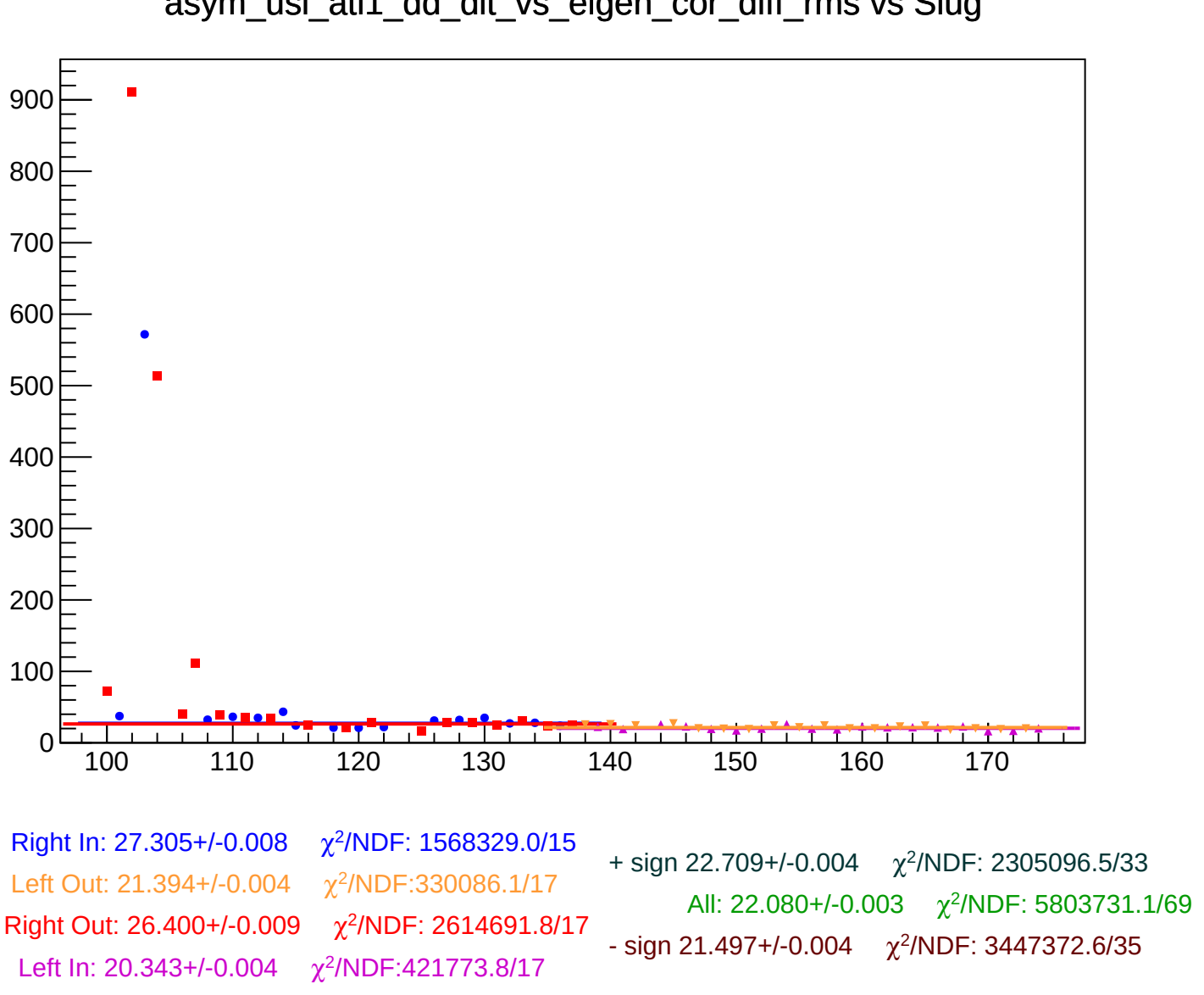
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

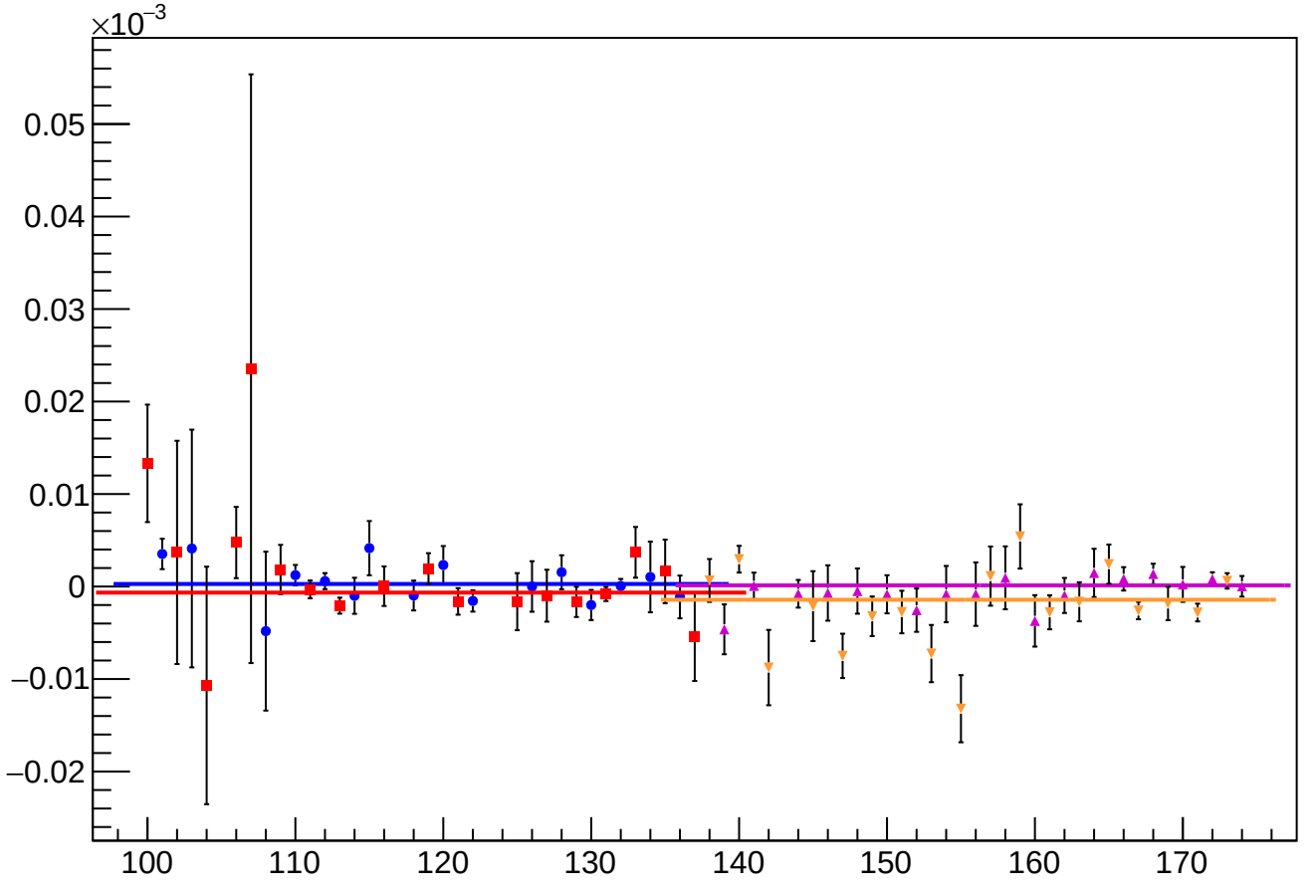
Left In: 0.001+/-0.006 χ^2/NDF:14.5/17

+ sign -0.007+/-0.005 χ^2/NDF: 29.1/33

All: -0.003+/-0.004 χ^2/NDF: 54.6/69

- sign 0.000+/-0.005 χ^2/NDF: 24.4/35


asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
Right In: 27.305+/-0.008 χ²/NDF: 1568329.0/15
Left Out: 21.394+/-0.004 χ²/NDF:330086.1/17
Right Out: 26.400+/-0.009 χ²/NDF: 2614691.8/17
Left In: 20.343+/-0.004 χ²/NDF:421773.8/17
+ sign 22.709+/-0.004 χ²/NDF: 2305096.5/33
All: 22.080+/-0.003 χ²/NDF: 5803731.1/69
- sign 21.497+/-0.004 χ²/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:52.8/17

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

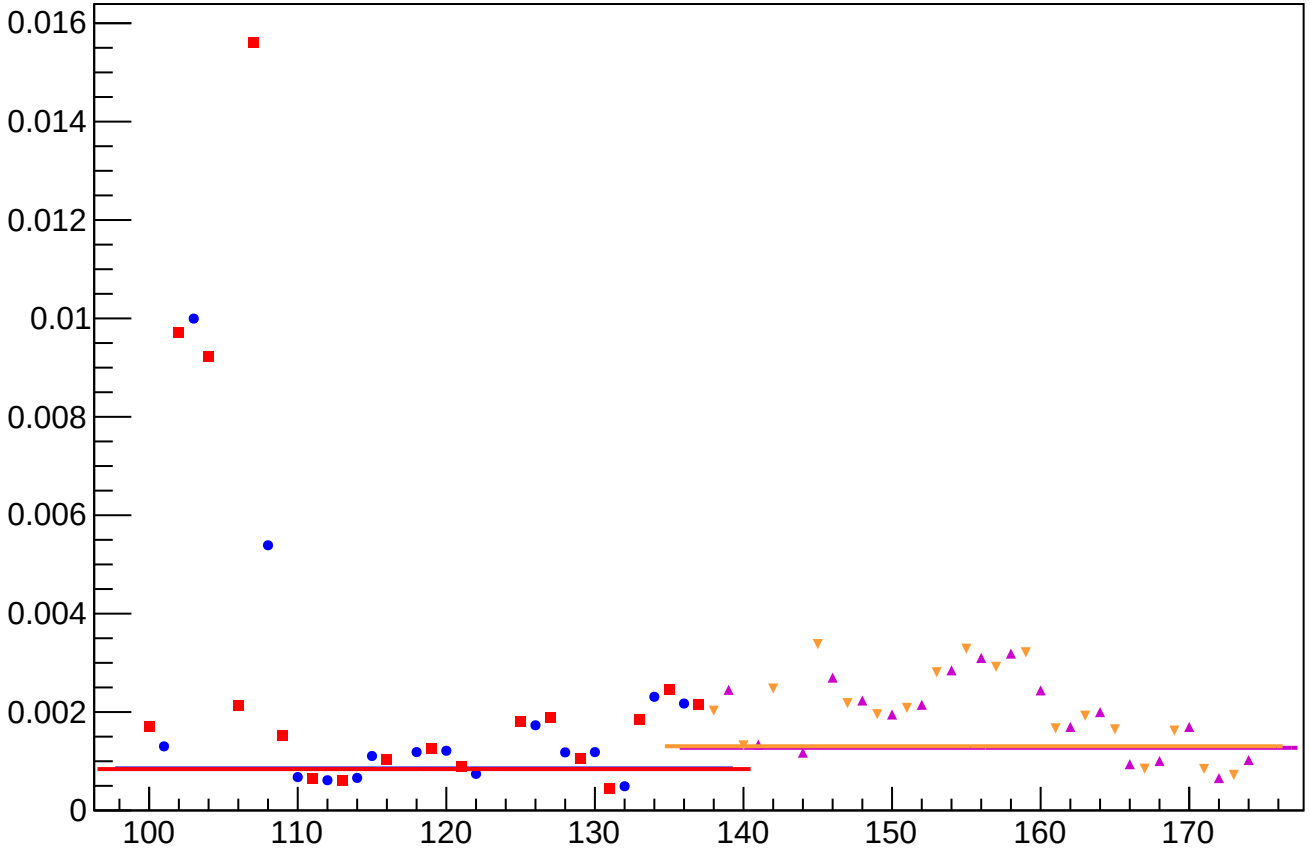
Left In: 0.000+/-0.000 χ^2/NDF:10.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 77.0/33

All: -0.000+/-0.000 χ^2/NDF: 109.1/69

- 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:6091834.2/17

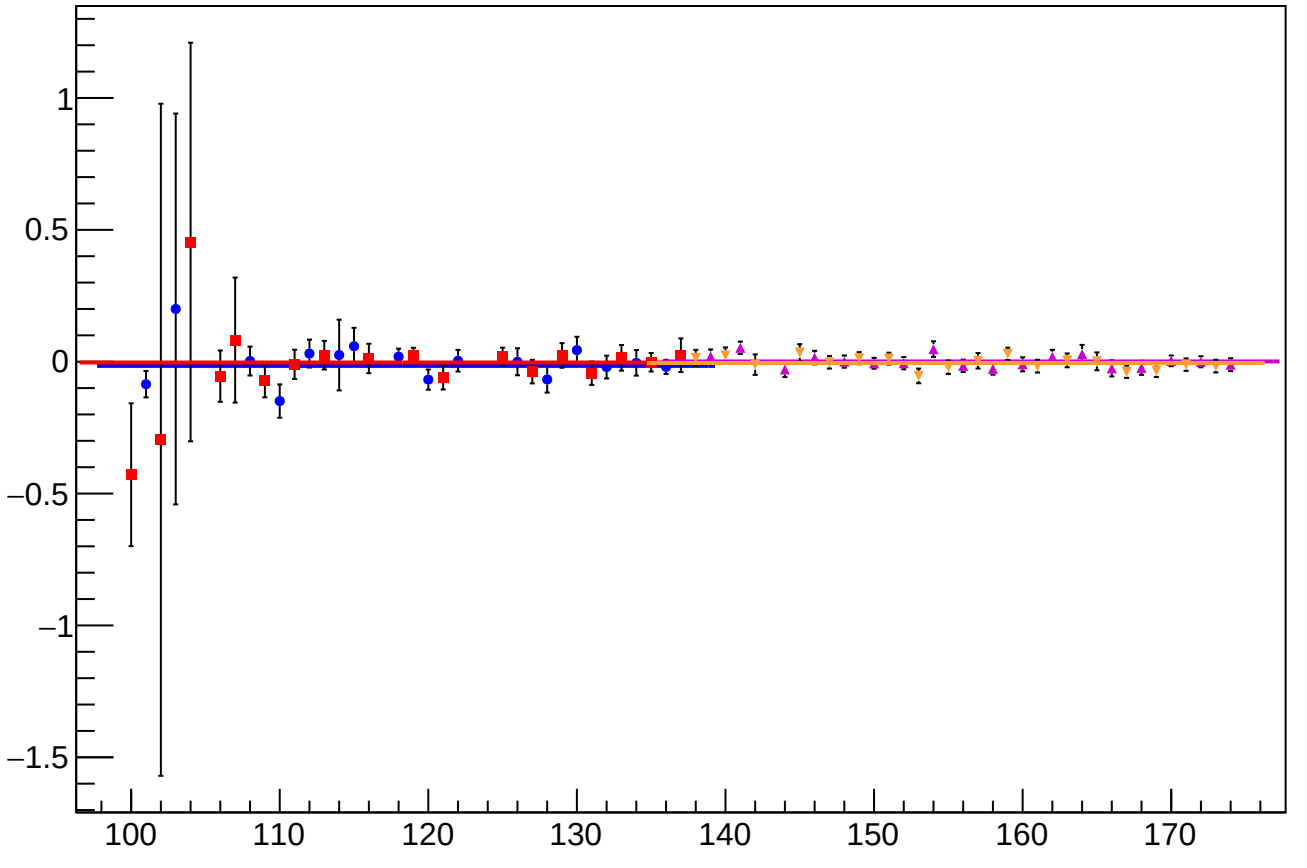
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:5864082.4/17

+ sign 0.001+/-0.000 χ^2/NDF: 11329020.3/33

All: 0.001+/-0.000 χ^2/NDF: 23471086.9/69

- 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: -0.005+/-0.006 χ^2/NDF:13.8/17

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

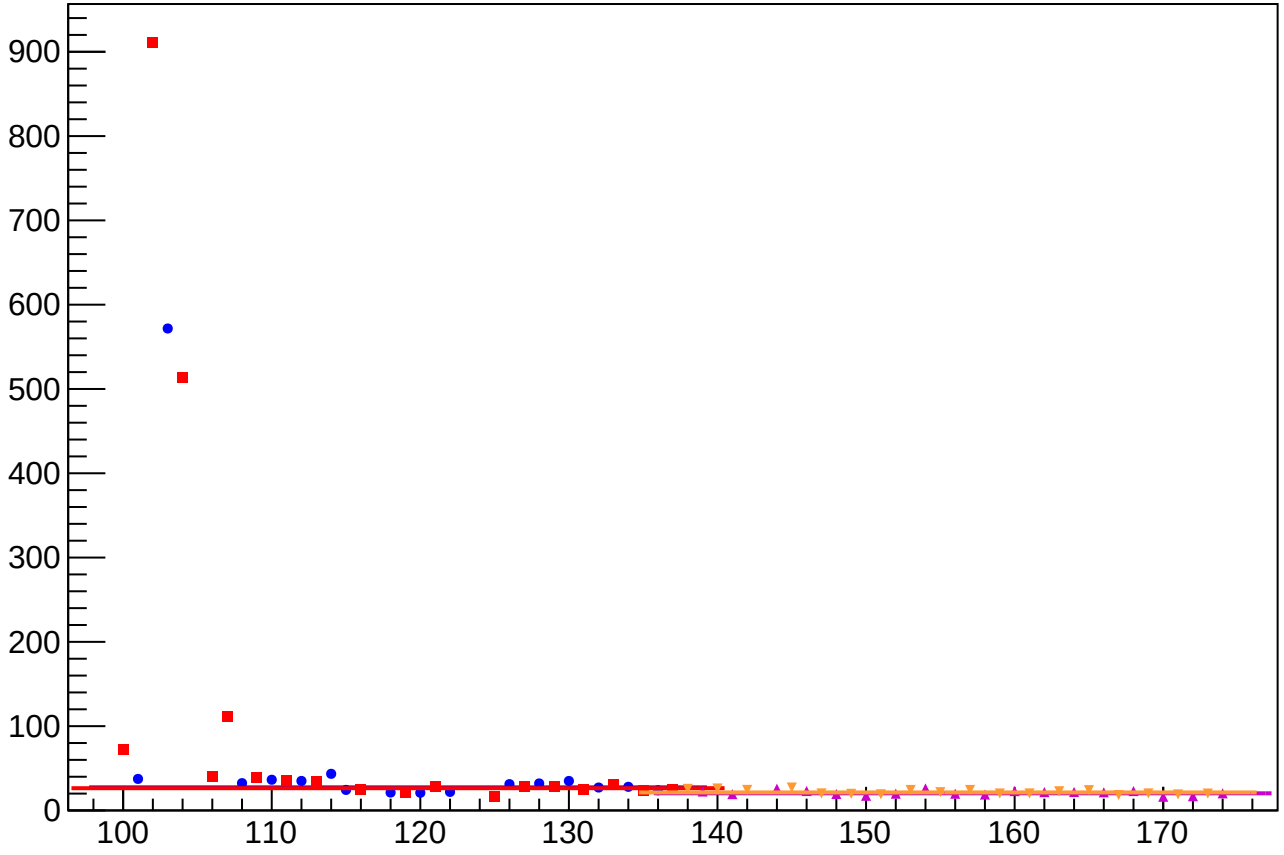
Left In: 0.001+/-0.006 χ^2/NDF:14.5/17

+ sign -0.007+/-0.005 χ^2/NDF: 29.1/33

All: -0.003+/-0.004 χ^2/NDF: 54.6/69

- sign 0.000+/-0.005 χ^2/NDF: 24.4/35

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.394+/-0.004 χ^2/NDF:330056.5/17

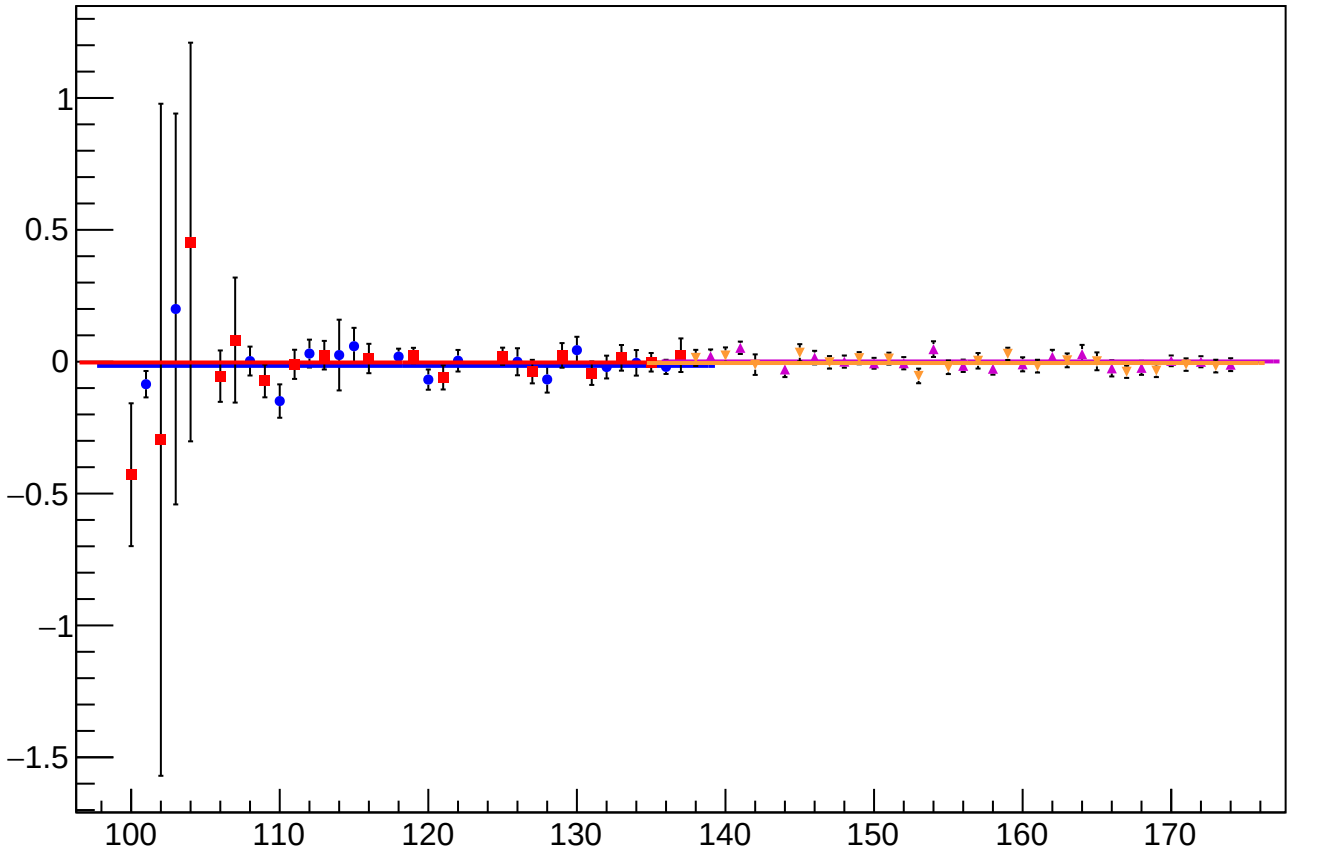
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.343+/-0.004 χ^2/NDF:421796.6/17

\+ sign 22.709+/-0.004 χ^2/NDF: 2305068.7/33

All: 22.080+/-0.003 χ^2/NDF: 5803746.6/69

\- 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: -0.005+/-0.006 χ^2/NDF:13.8/17

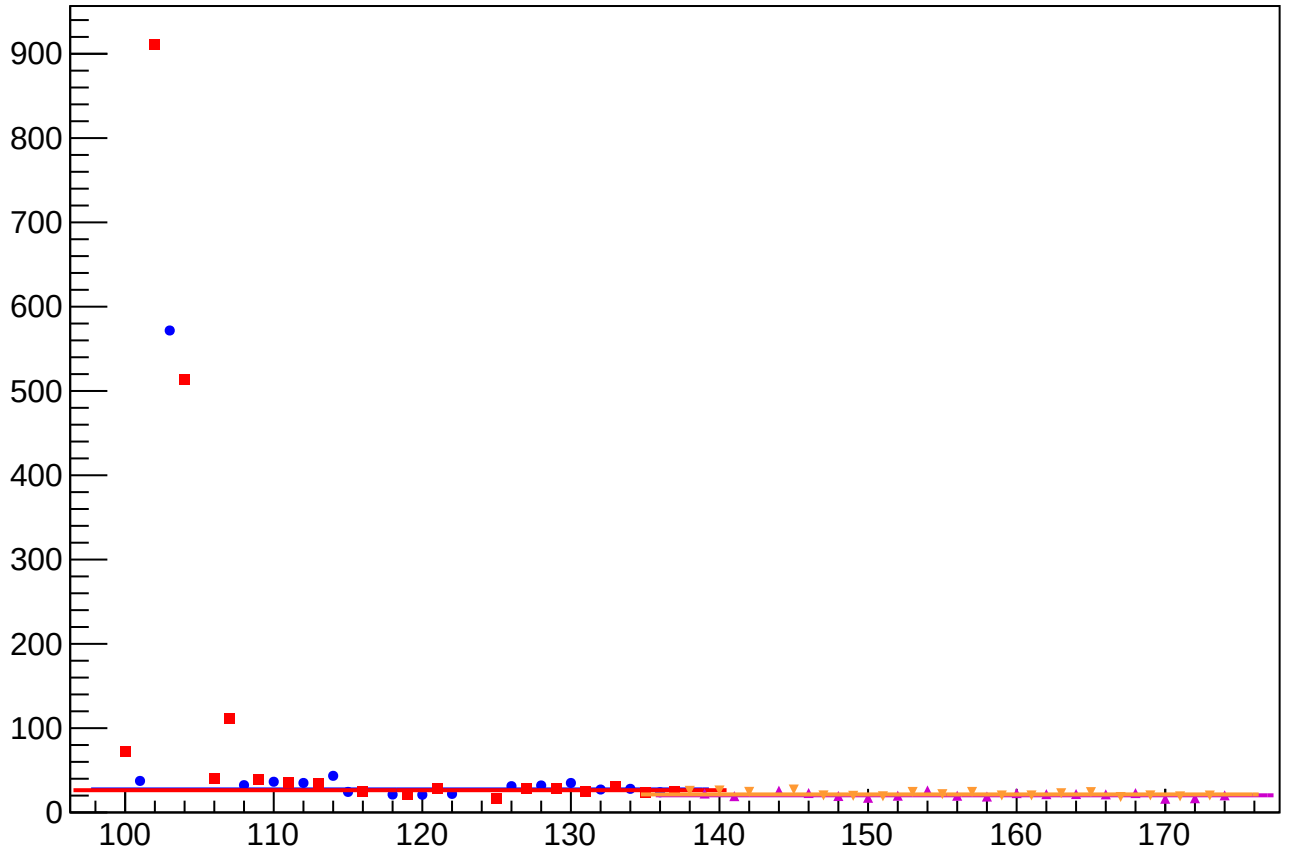
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.001+/-0.006 χ^2/NDF:14.5/17

+ sign -0.007+/-0.005 χ^2/NDF: 29.1/33

All: -0.003+/-0.004 χ^2/NDF: 54.6/69

- 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: 21.394+/-0.004 χ^2/NDF:330056.5/17

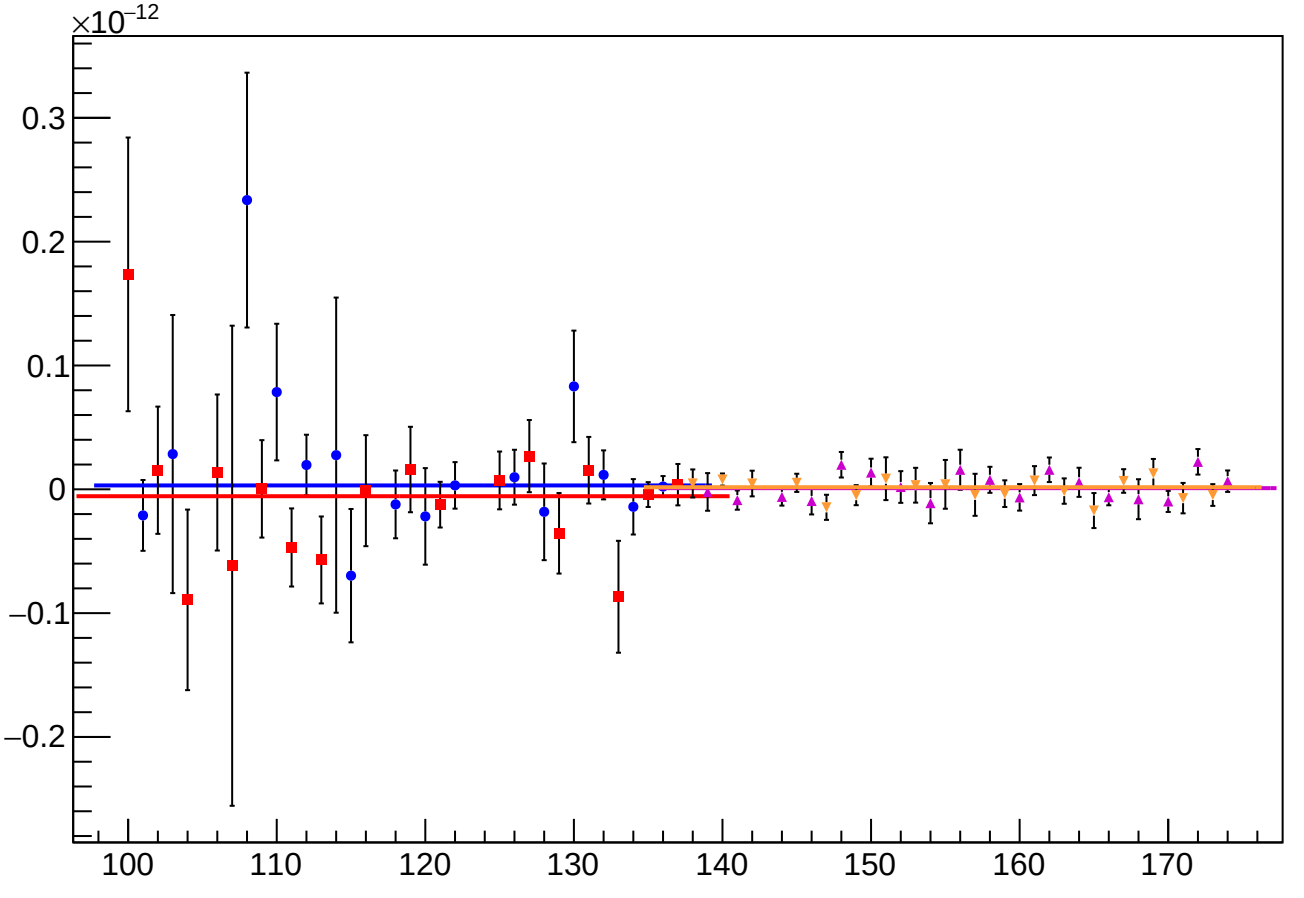
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.343+/-0.004 χ^2/NDF:421796.6/17

+ sign 22.709+/-0.004 χ^2/NDF: 2305068.7/33

All: 22.080+/-0.003 χ^2/NDF: 5803746.6/69

- 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:10.0/17

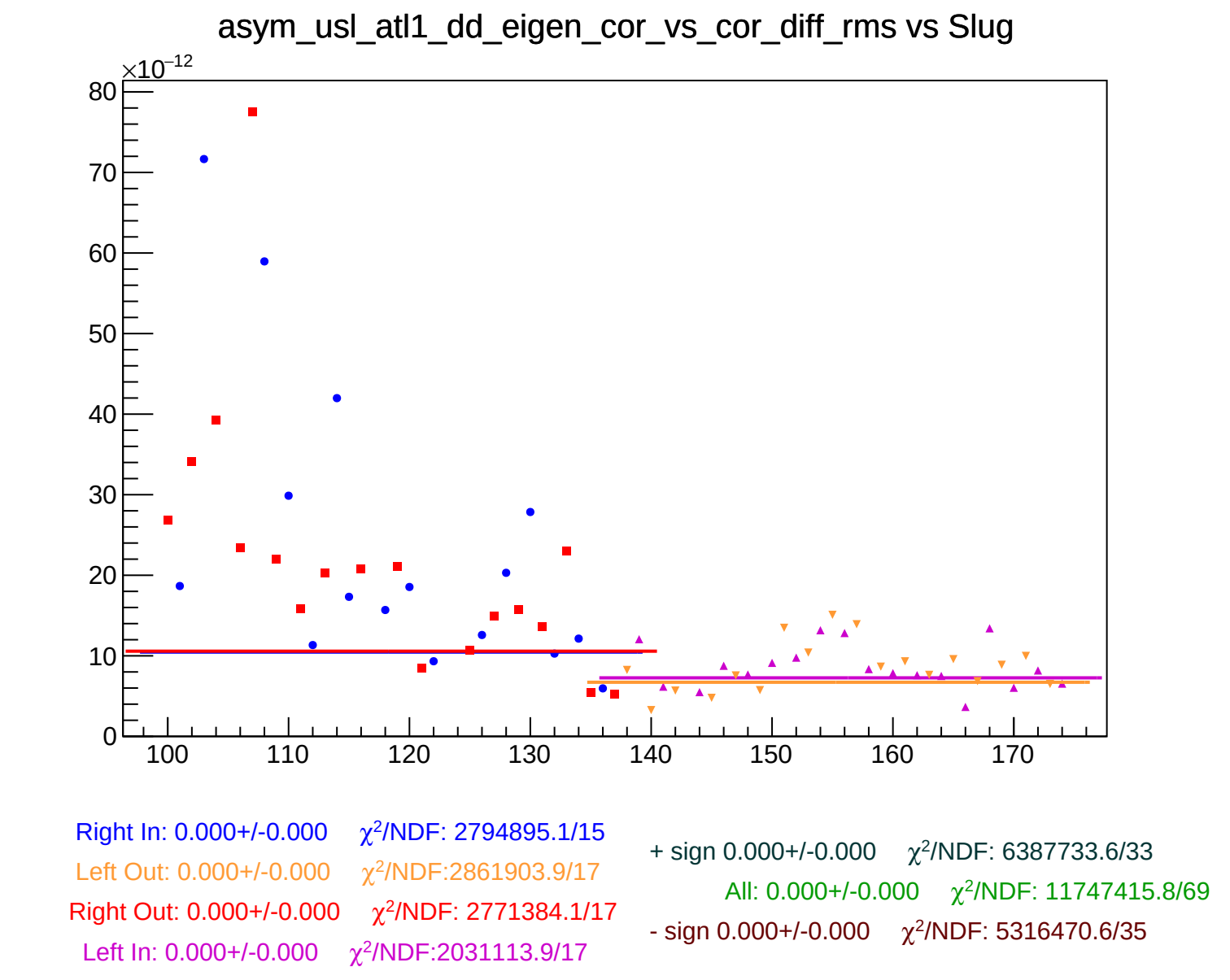
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:20.6/17

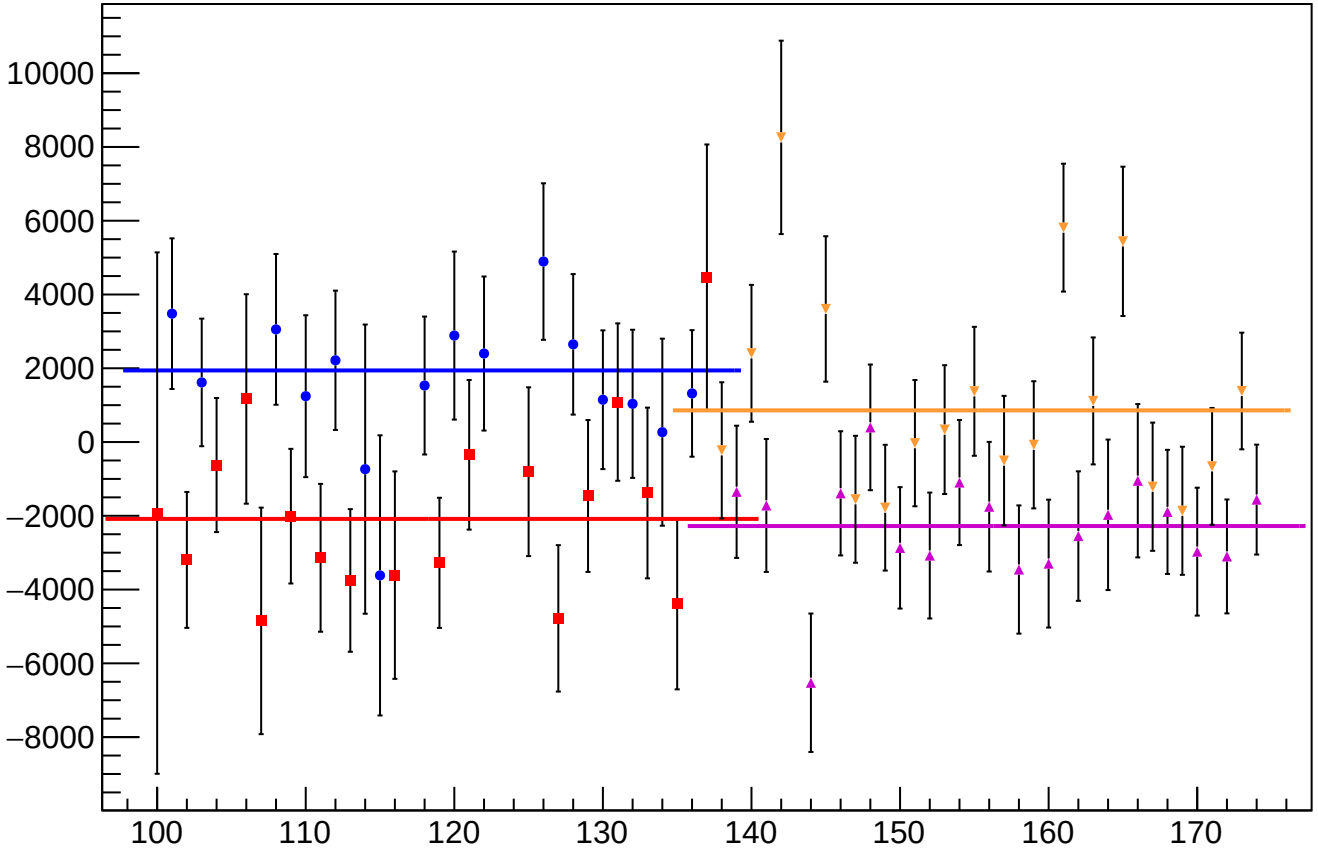
+ sign 0.000+/-0.000 χ^2/NDF: 25.1/33

All: 0.000+/-0.000 χ^2/NDF: 62.3/69

- 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:2861903.9/17
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: 6387733.6/33
All: 0.000+/-0.000 χ²/NDF: 11747415.8/69
- 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: 858.631+/-418.816 χ^2/NDF:34.9/17

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

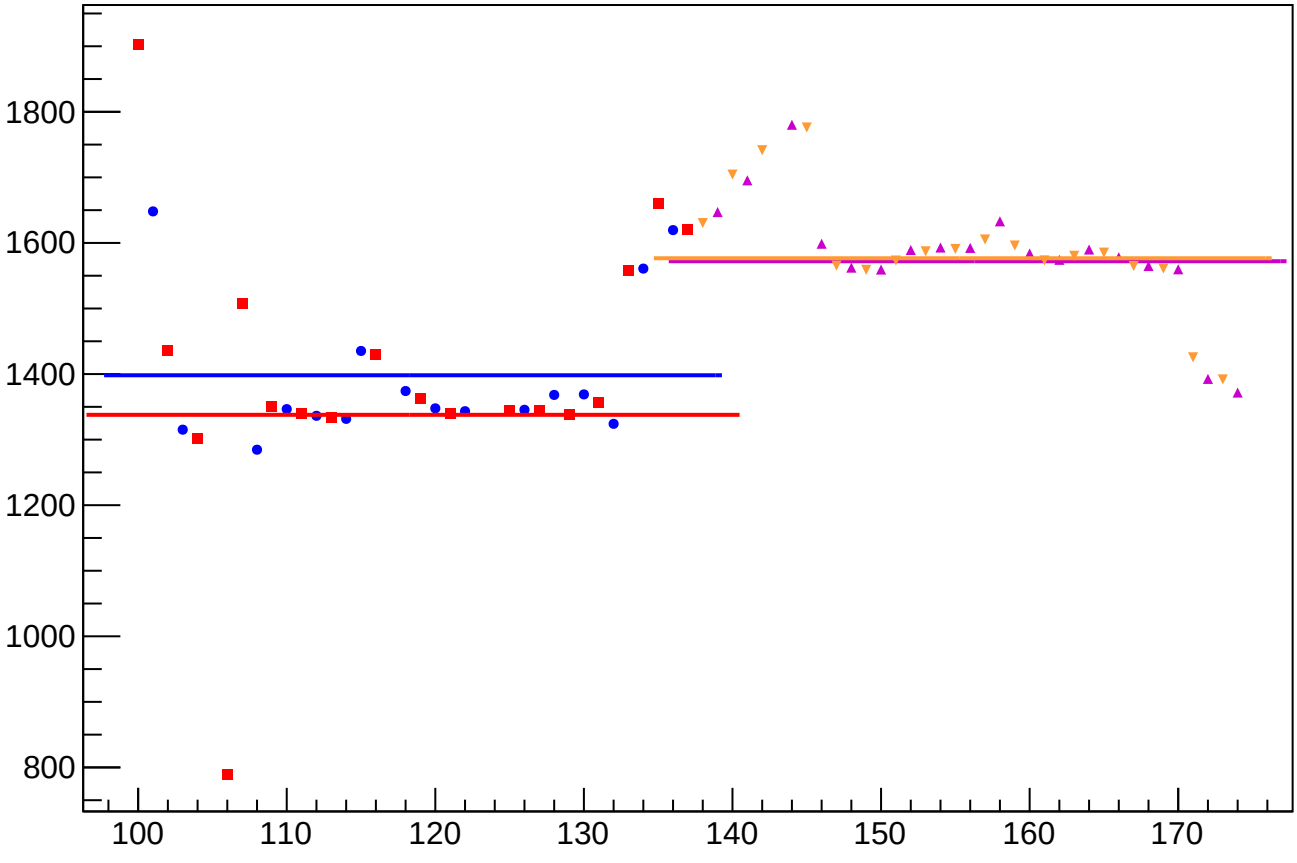
Left In: -2277.911+/-408.270 χ^2/NDF:11.1/17

+ sign 1282.337+/-326.712 χ^2/NDF: 44.4/33

All: -491.384+/-228.982 χ^2/NDF: 128.0/69

- 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: 1576.639+/-0.296 χ^2/NDF:86630.2/17

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

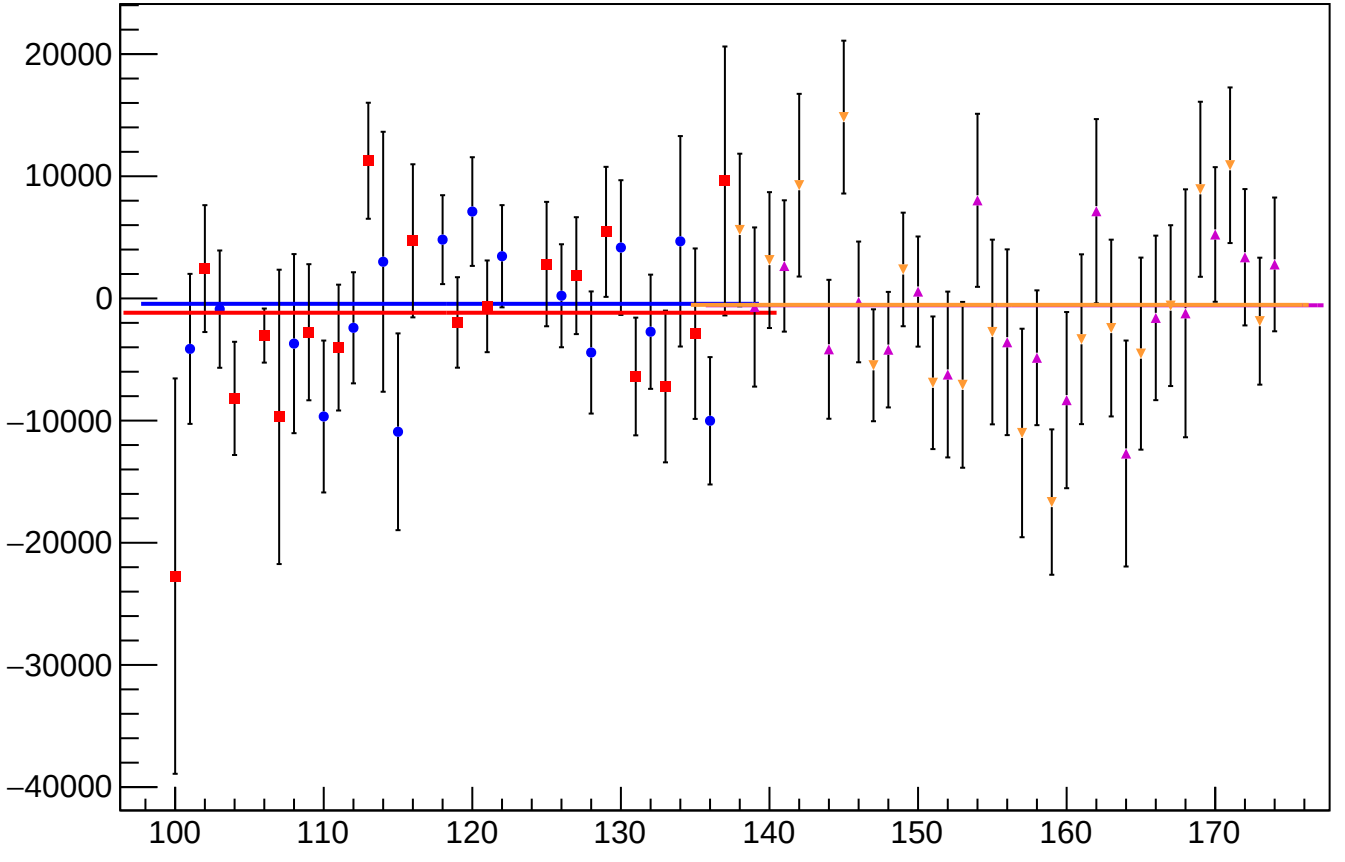
Left In: 1572.113+/-0.289 χ^2/NDF:104967.6/17

+ sign 1506.770+/-0.231 χ^2/NDF: 322737.4/33

All: 1492.539+/-0.161 χ^2/NDF: 1014221.7/69

- sign 1479.135+/-0.224 χ^2/NDF: 684115.4/35

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -524.906+/-1457.561 χ^2/NDF:27.5/17

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

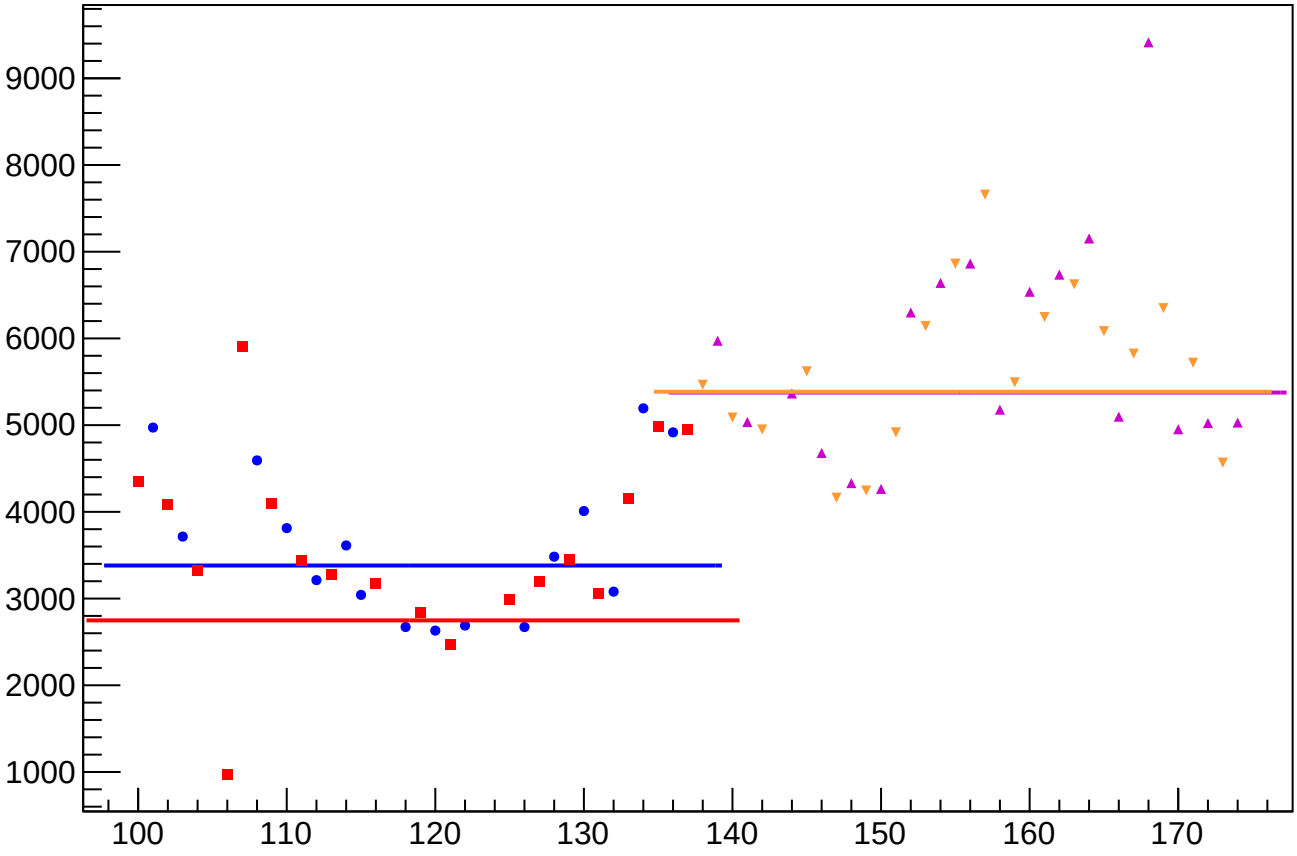
Left In: -561.936+/-1422.136 χ^2/NDF:10.3/17

\+ sign -478.121+/-968.479 χ^2/NDF: 43.4/33

All: -730.182+/-651.228 χ^2/NDF: 73.6/69

\- 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: 5385.353+/-1.031 χ^2/NDF:742045.2/17

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

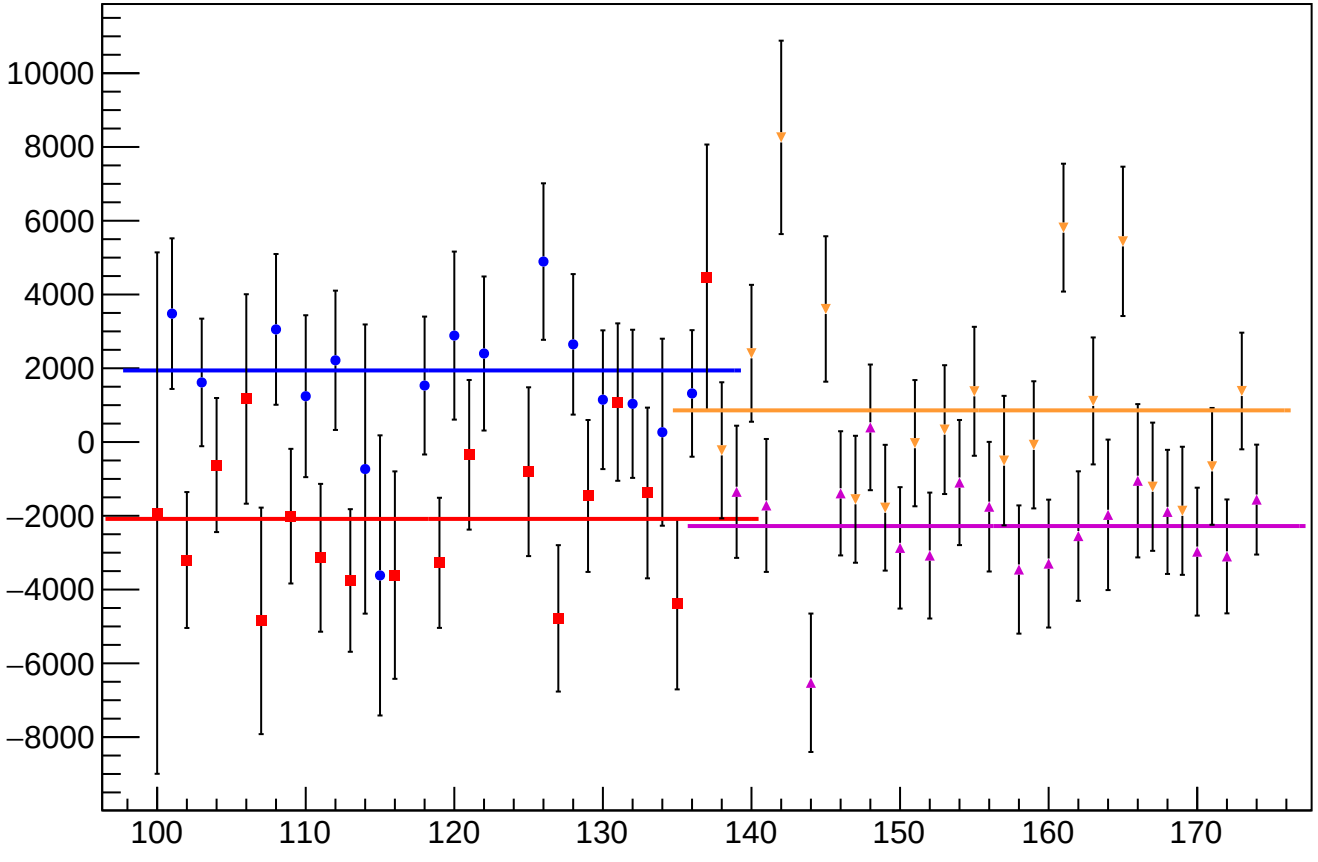
Left In: 5376.009+/-1.006 χ^2/NDF:1002385.1/17

+ sign 4265.979+/-0.685 χ^2/NDF: 3611223.2/33

All: 3985.558+/-0.460 χ^2/NDF: 11398618.5/6

- 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: 858.659+/-418.816 χ^2/NDF:34.9/17

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

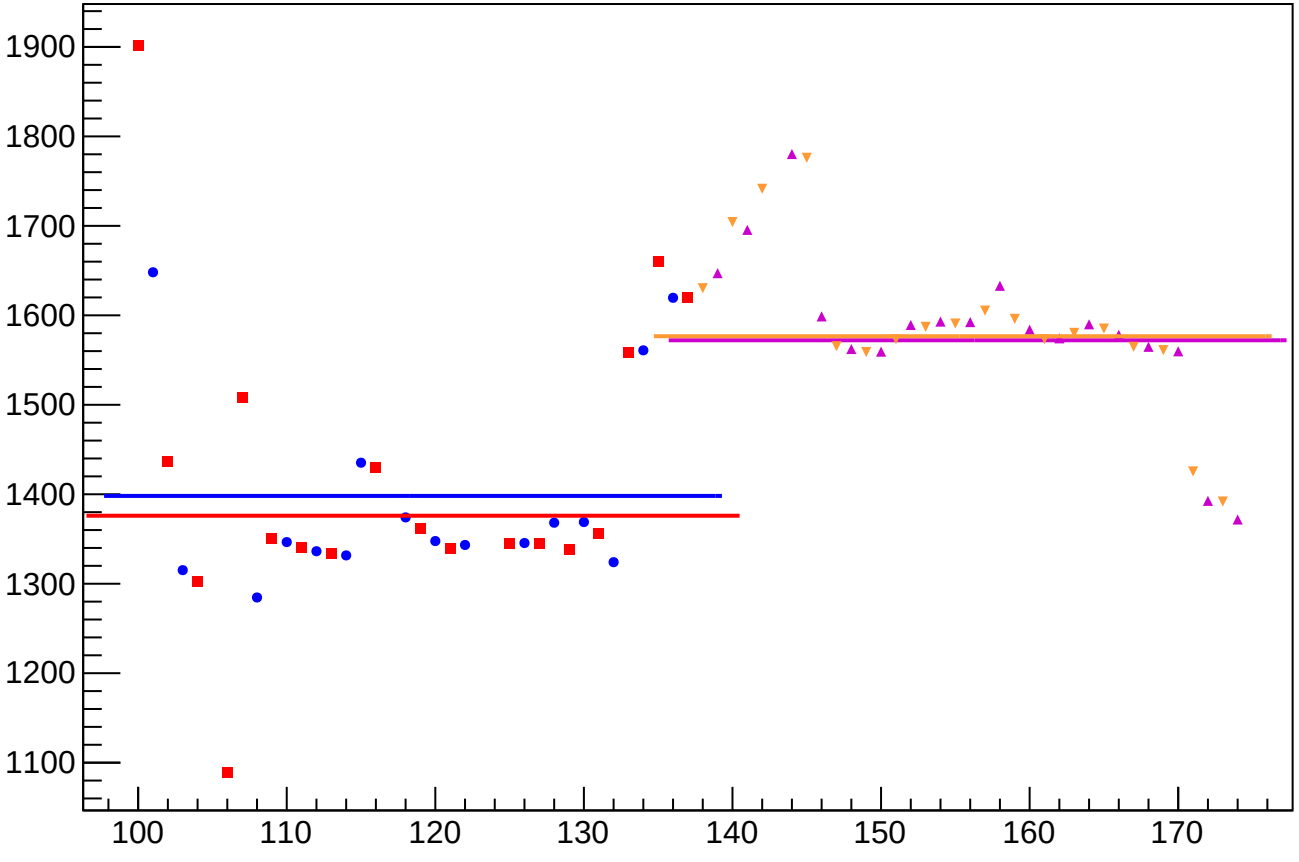
Left In: -2277.966+/-408.270 χ^2/NDF:11.1/17

+ sign 1282.375+/-326.712 χ^2/NDF: 44.4/33

All: -491.421+/-228.982 χ^2/NDF: 128.0/69

- 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: 1576.639+/-0.296 χ^2/NDF:86630.2/17

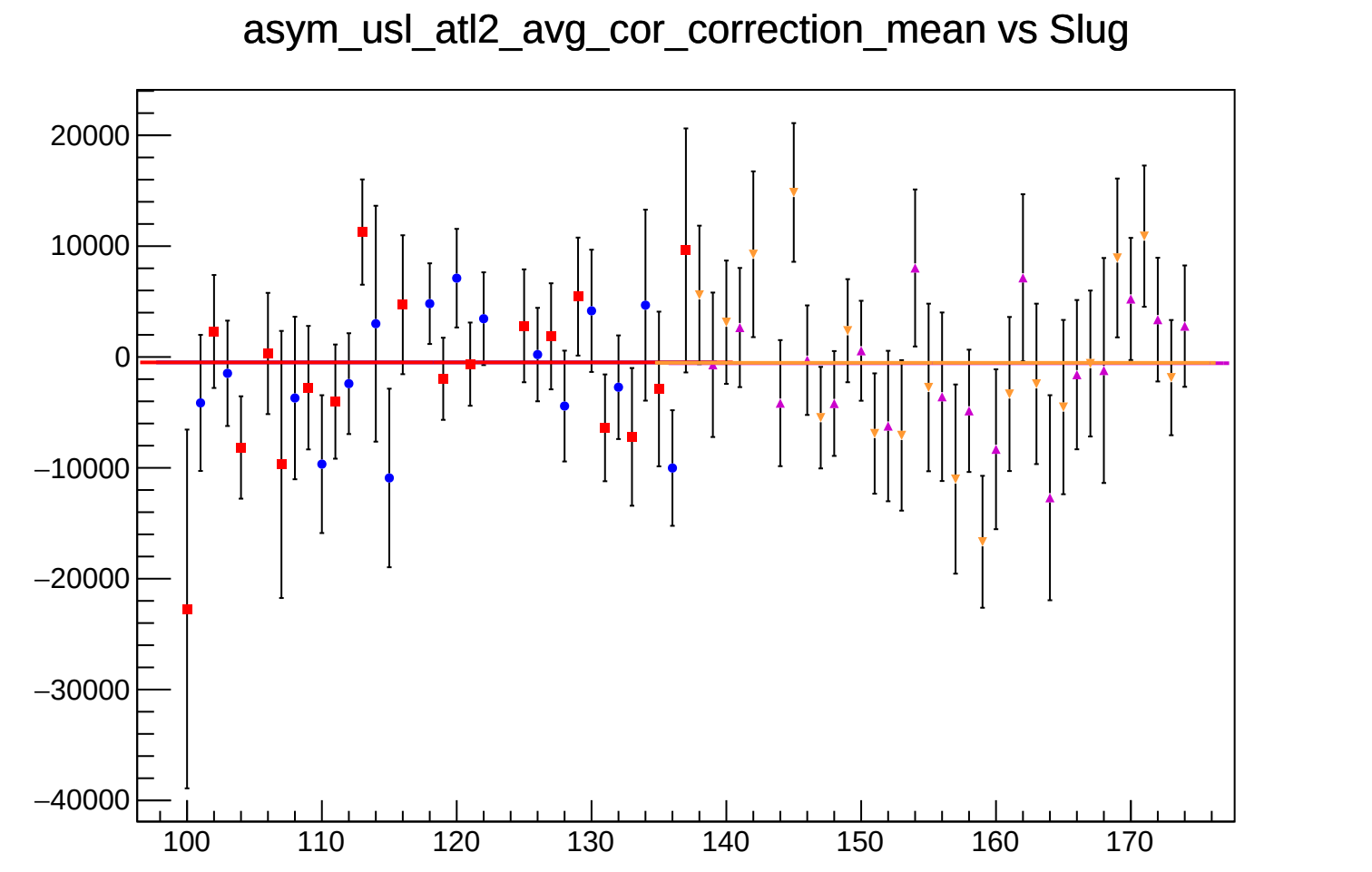
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1572.113+/-0.289 χ^2/NDF:104967.6/17

+ sign 1506.770+/-0.231 χ^2/NDF: 322737.6/33

All: 1501.271+/-0.161 χ^2/NDF: 721891.6/69

- 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: -524.922+/-1457.562 χ^2/NDF:27.5/17

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

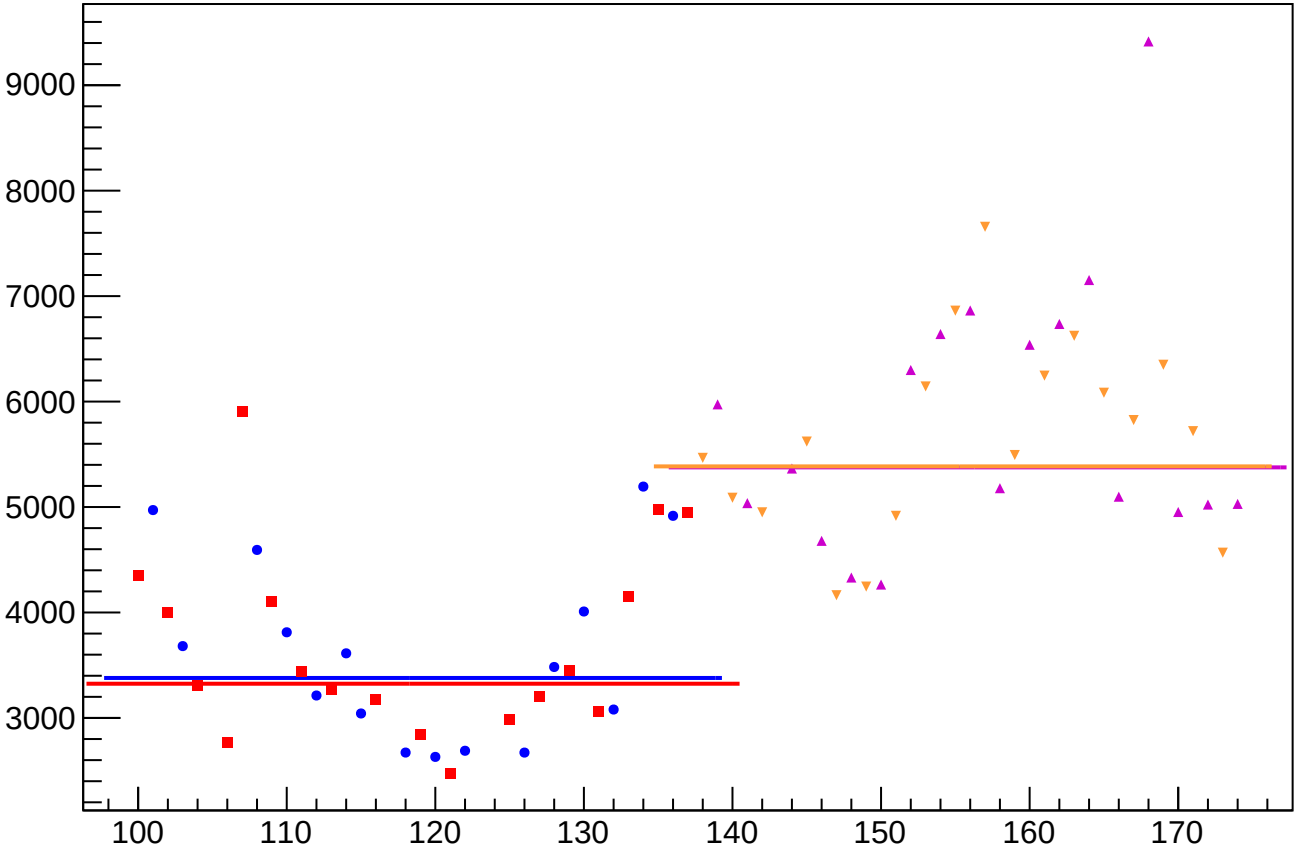
Left In: -562.007+/-1422.136 χ^2/NDF:10.3/17

\+ sign -503.484+/-968.067 χ^2/NDF: 43.4/33

All: -512.423+/-675.726 χ^2/NDF: 72.4/69

\- sign -520.916+/-943.642 χ^2/NDF: 29.0/35

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5385.357+/-1.031 χ^2/NDF:742039.3/17

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

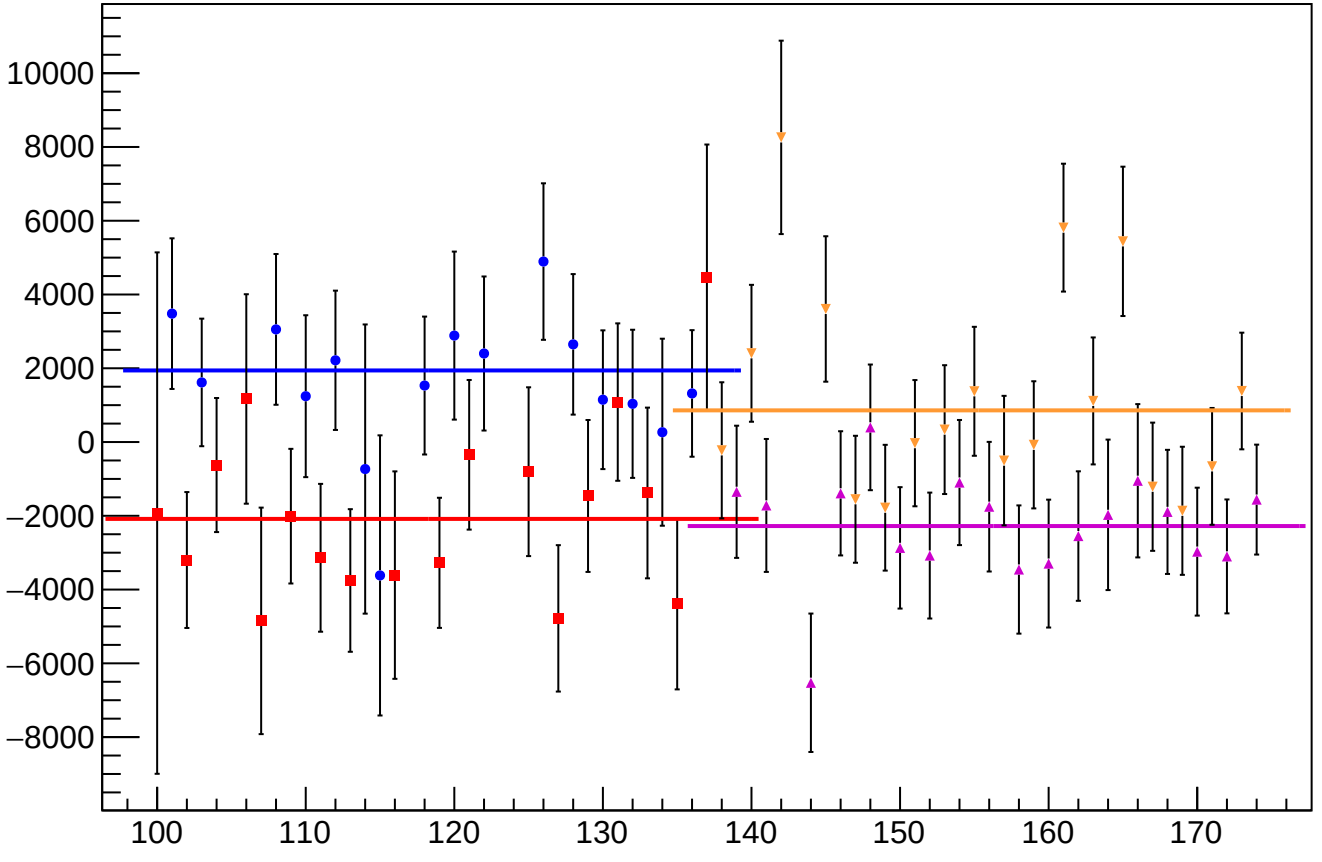
Left In: 5376.005+/-1.006 χ^2/NDF:1002394.3/17

+ sign 4264.106+/-0.685 χ^2/NDF: 3615071.4/33

All: 4245.447+/-0.478 χ^2/NDF: 7492333.8/69

- 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: 858.659+/-418.816 χ^2/NDF:34.9/17

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

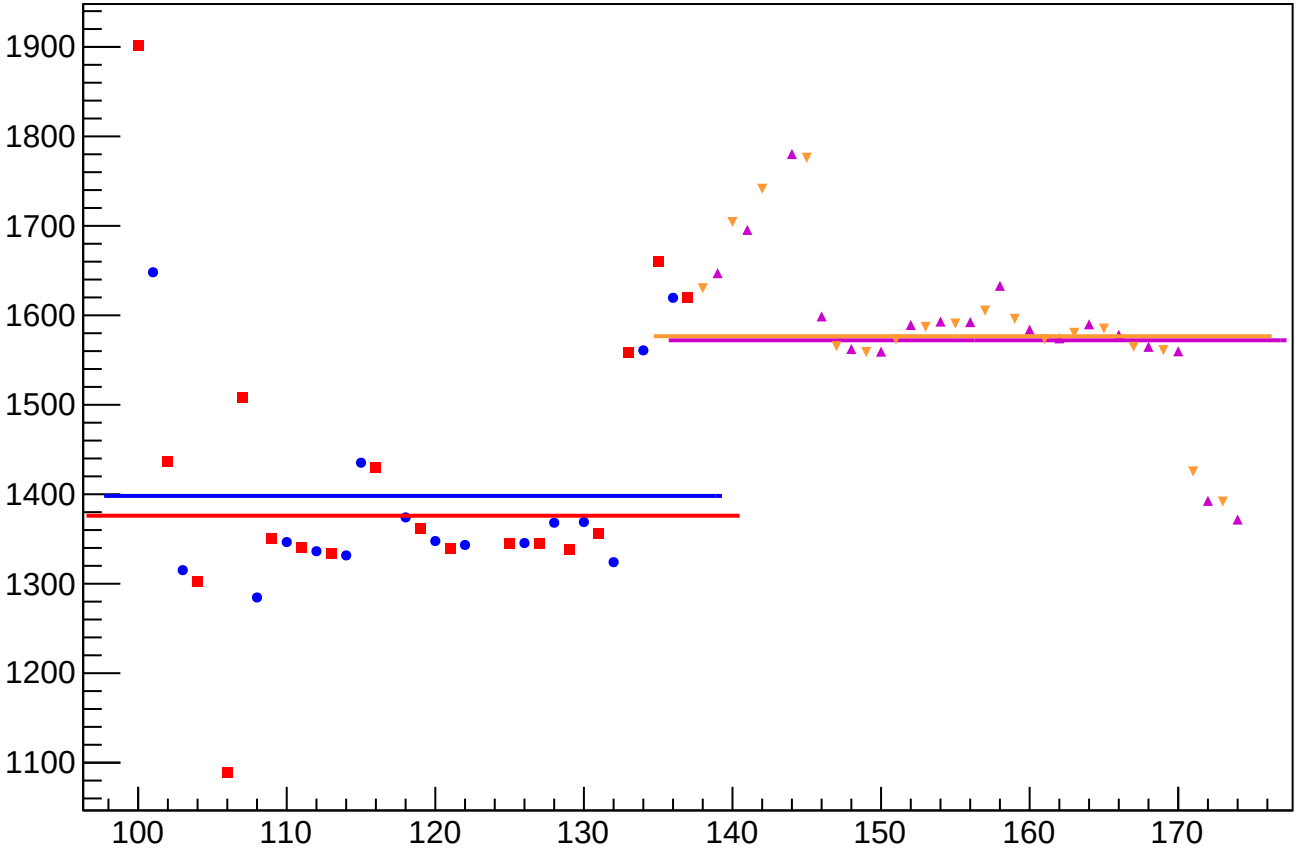
Left In: -2277.966+/-408.270 χ^2/NDF:11.1/17

+ sign 1282.375+/-326.712 χ^2/NDF: 44.4/33

All: -491.421+/-228.982 χ^2/NDF: 128.0/69

- 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: 1576.639+/-0.296 χ^2/NDF:86630.2/17

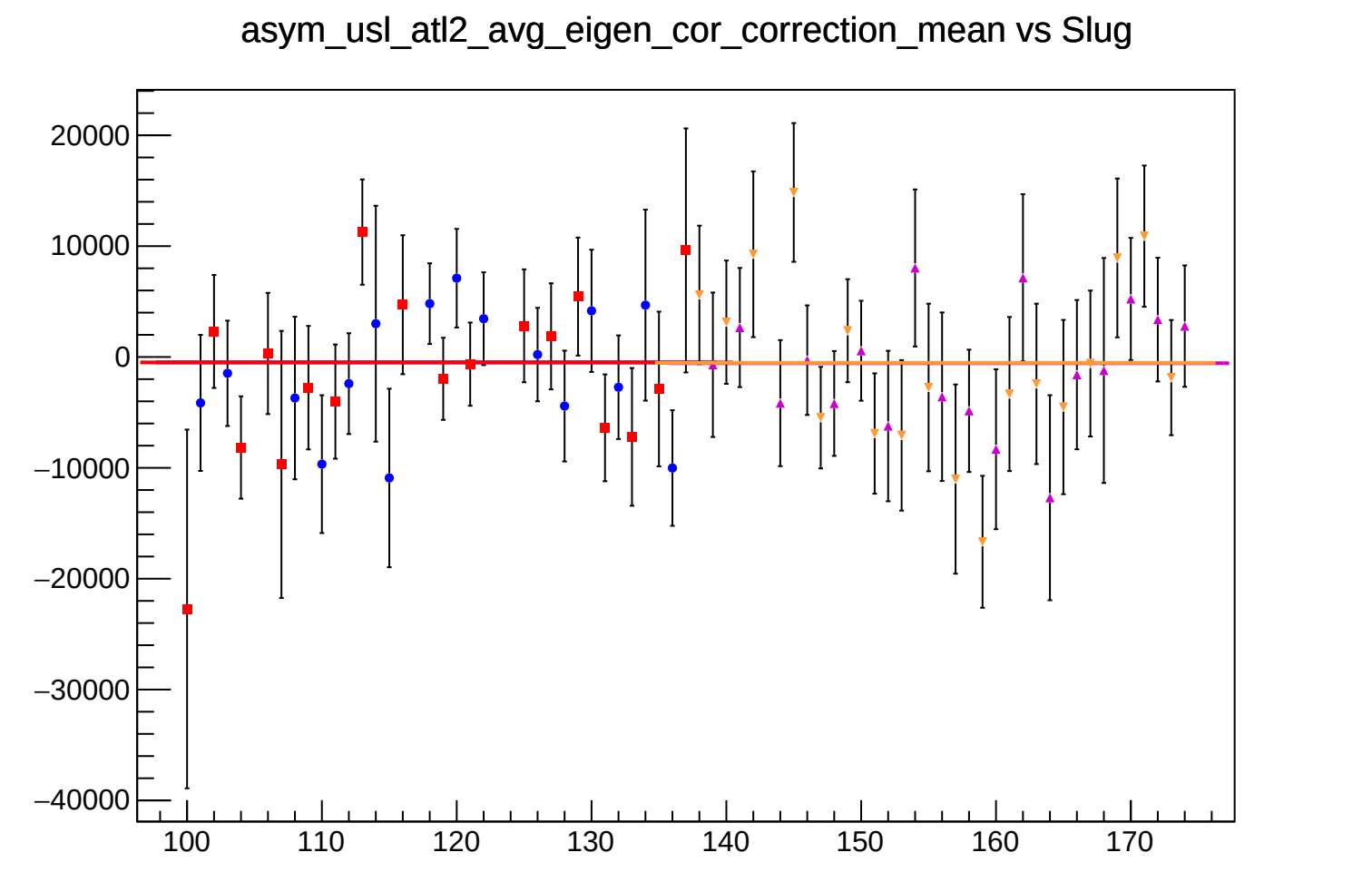
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1572.113+/-0.289 χ^2/NDF:104967.6/17

+ sign 1506.770+/-0.231 χ^2/NDF: 322737.6/33

All: 1501.271+/-0.161 χ^2/NDF: 721891.6/69

- 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: -524.922+/-1457.562 χ^2/NDF:27.5/17

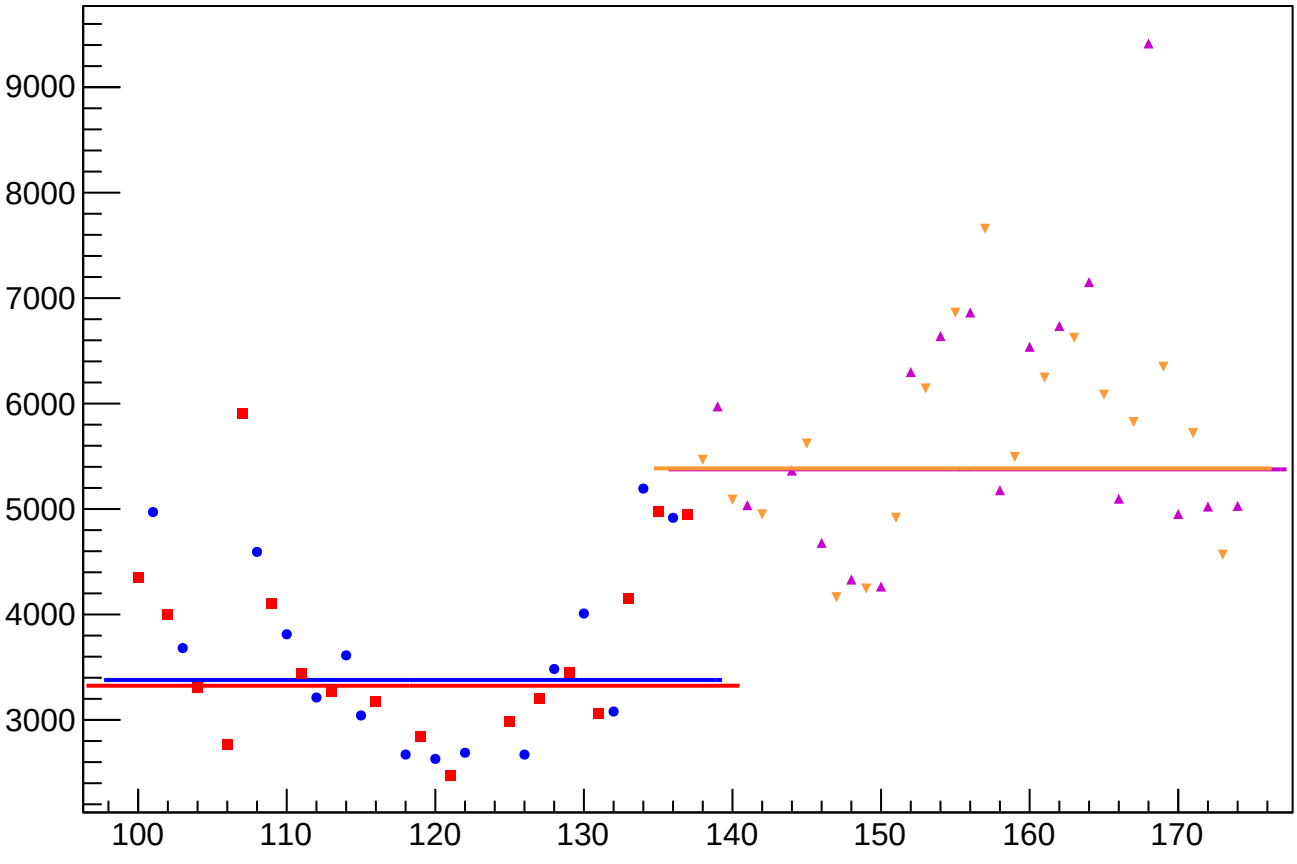
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -562.007+/-1422.136 χ^2/NDF:10.3/17

+ sign -503.484+/-968.067 χ^2/NDF: 43.4/33

All: -512.423+/-675.726 χ^2/NDF: 72.4/69

- 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: 5385.357+/-1.031 χ^2/NDF:742039.3/17

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

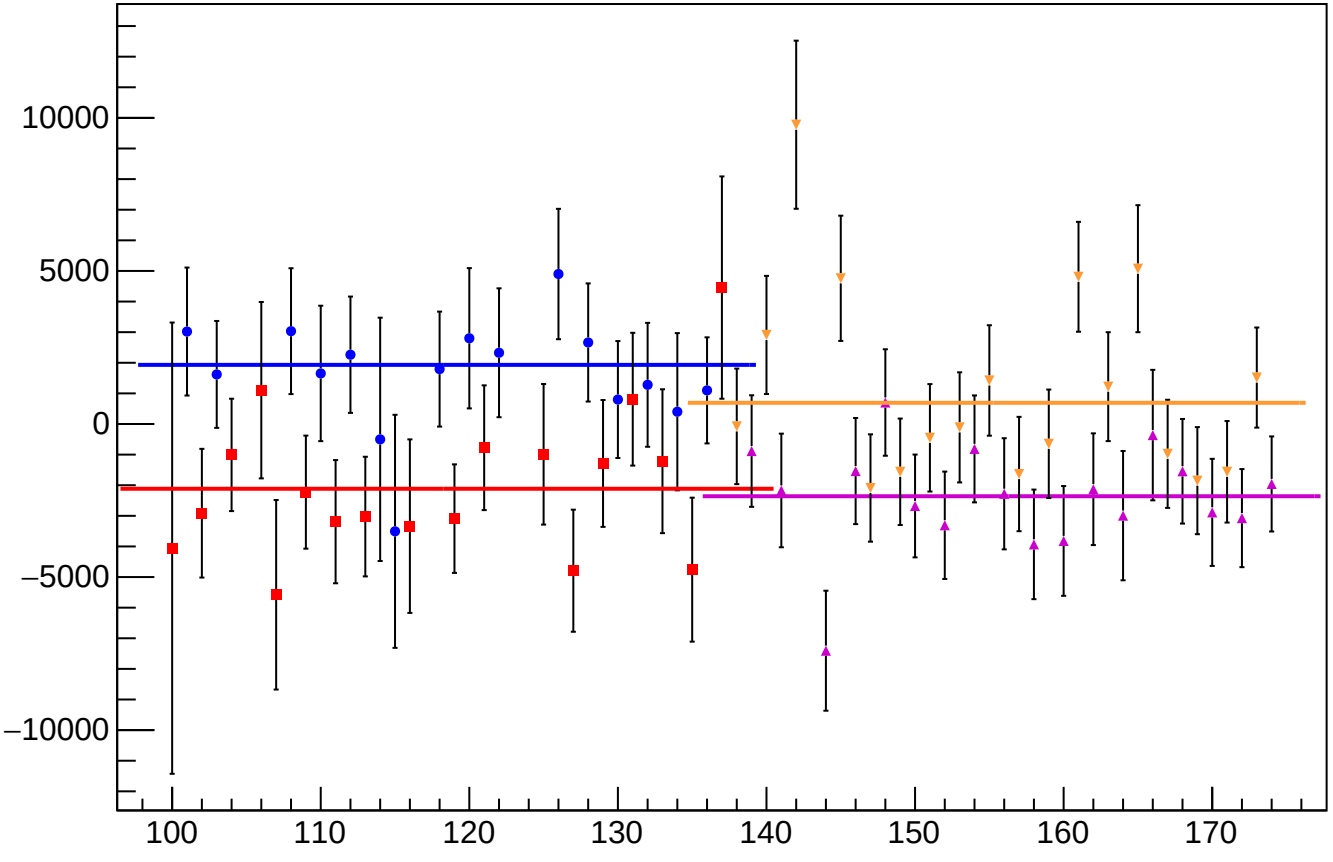
Left In: 5376.005+/-1.006 χ^2/NDF:1002394.3/17

+ sign 4264.106+/-0.685 χ^2/NDF: 3615071.4/33

All: 4245.447+/-0.478 χ^2/NDF: 7492333.8/69

- 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: 692.608+/-431.654 χ^2/NDF:38.4/17

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

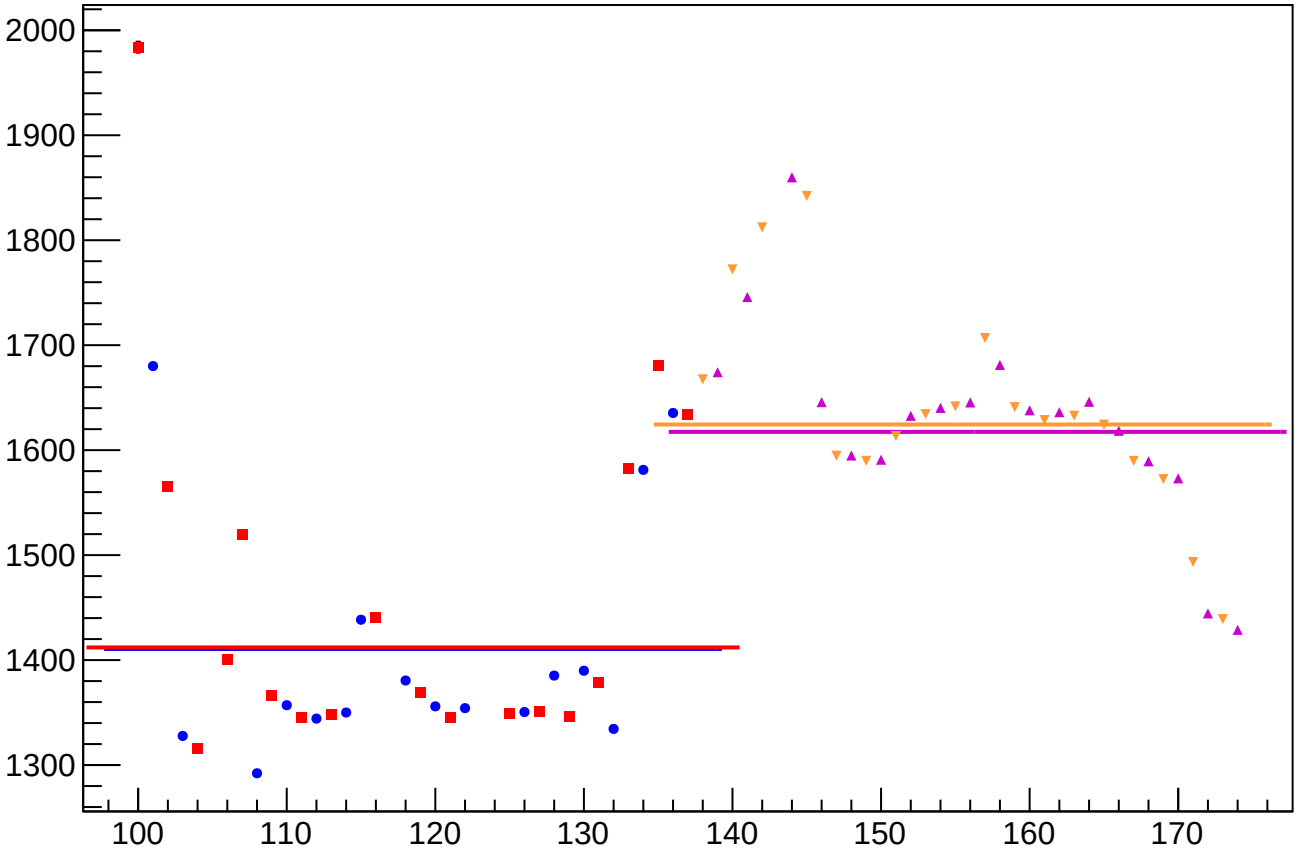
Left In: -2360.147+/-420.047 χ^2/NDF:14.7/17

+ sign 1189.905+/-333.970 χ^2/NDF: 48.1/33

All: -564.121+/-234.342 χ^2/NDF: 130.5/69

- 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: 1624.424+/-0.305 χ^2/NDF:91319.3/17

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

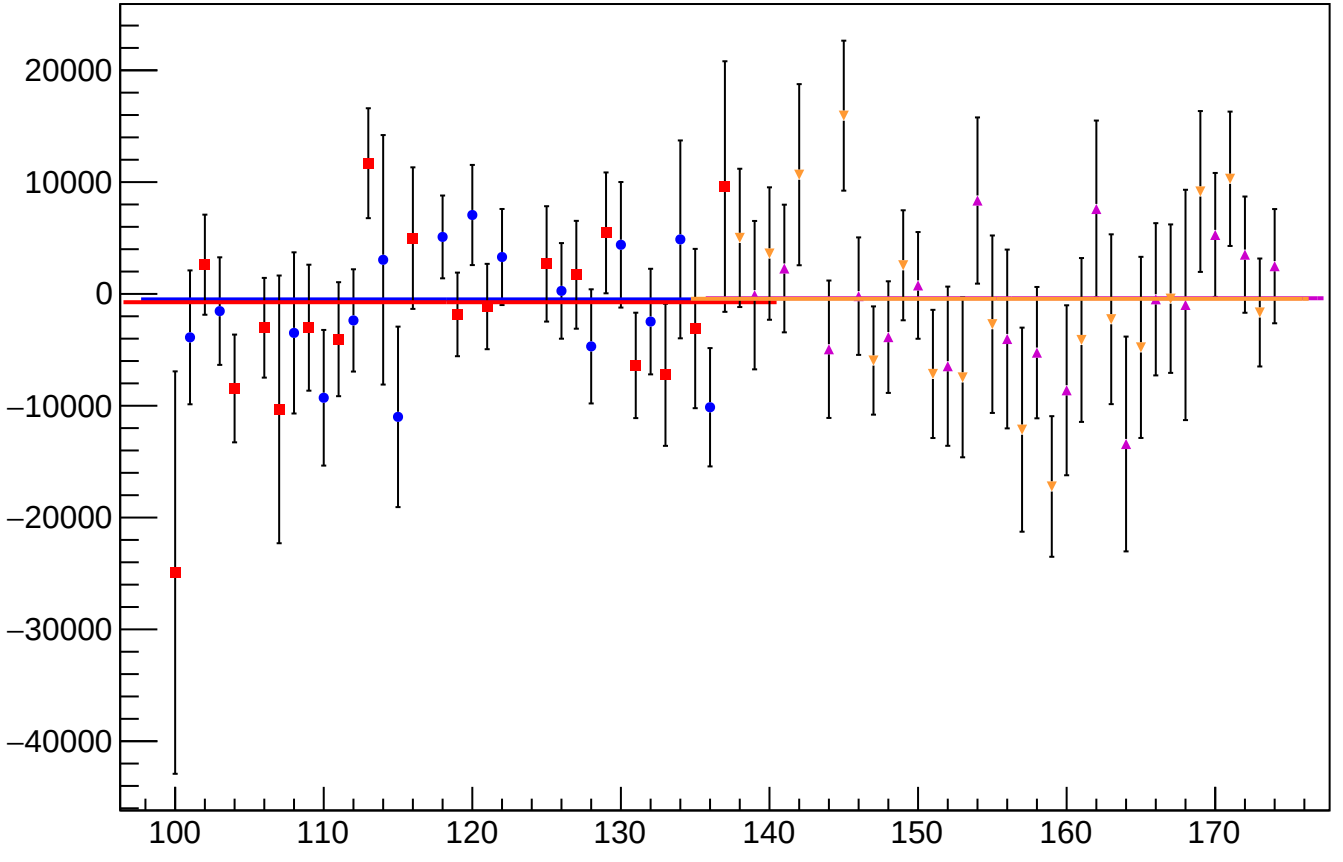
Left In: 1617.410+/-0.297 χ^2/NDF:102499.4/17

+ sign 1538.595+/-0.236 χ^2/NDF: 387465.5/33

All: 1538.141+/-0.166 χ^2/NDF: 765225.8/69

- 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: -435.452+/-1502.094 χ^2/NDF:27.6/17

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

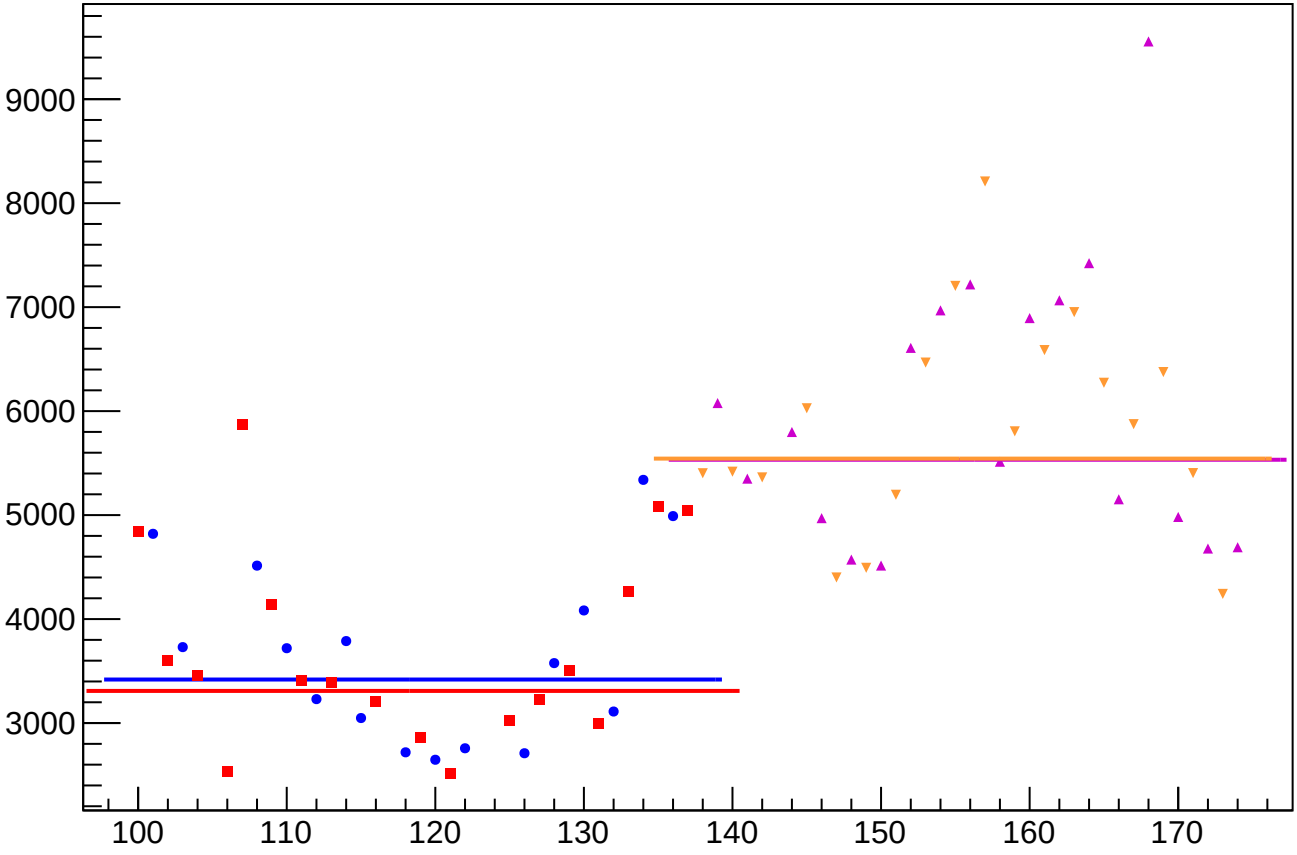
Left In: -386.499+/-1465.447 χ^2/NDF:10.3/17

+ sign -466.122+/-986.725 χ^2/NDF: 43.4/33

All: -531.308+/-684.411 χ^2/NDF: 72.9/69

- 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: 5543.258+/-1.062 χ^2/NDF:822302.9/17

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

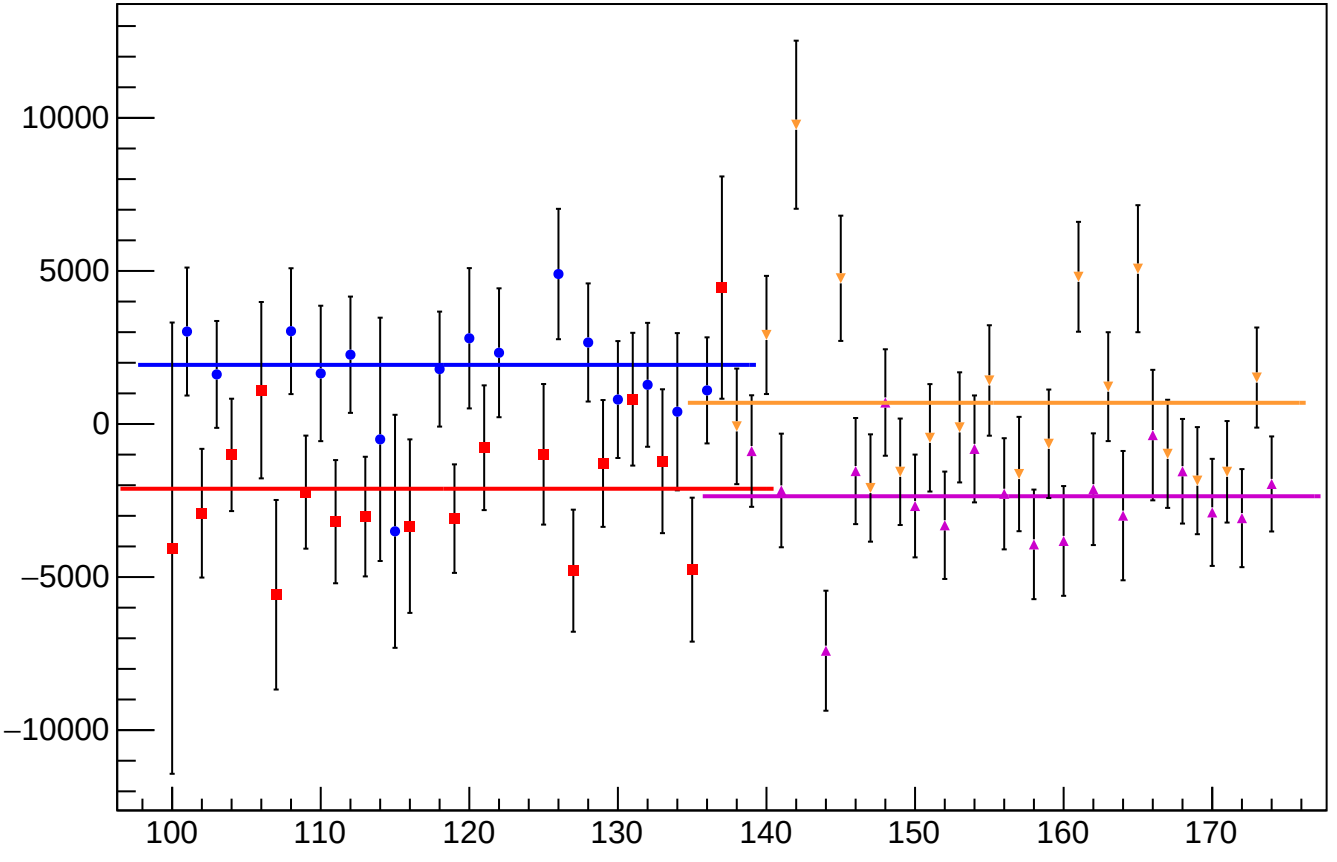
Left In: 5532.286+/-1.036 χ^2/NDF:1072805.7/17

+ sign 4335.483+/-0.698 χ^2/NDF: 3818040.5/33

All: 4287.822+/-0.484 χ^2/NDF: 8139861.5/69

- 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: 692.603+/-431.655 χ^2/NDF:38.4/17

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

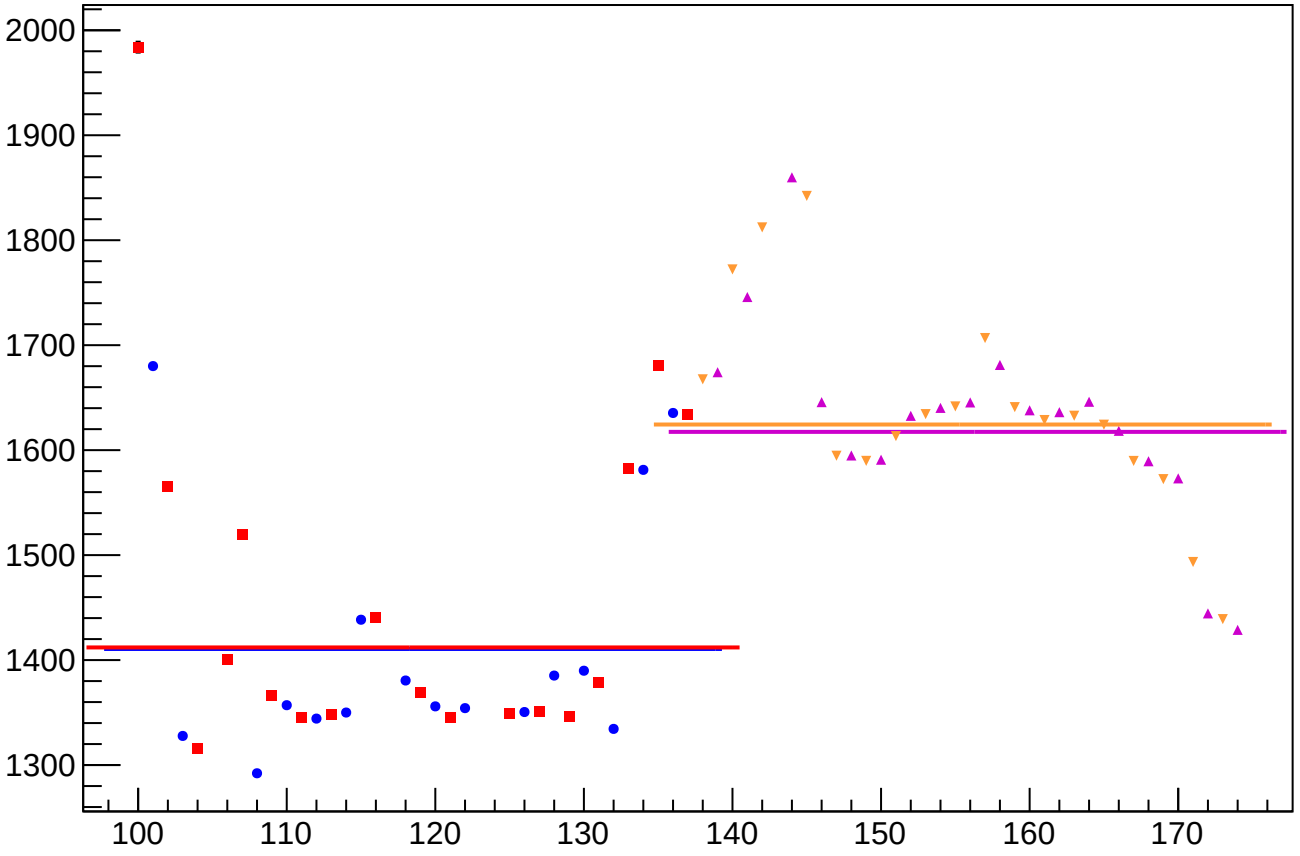
Left In: -2360.148+/-420.047 χ^2/NDF:14.7/17

+ sign 1189.903+/-333.970 χ^2/NDF: 48.1/33

All: -564.122+/-234.342 χ^2/NDF: 130.5/69

- 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: 1624.424+/-0.305 χ^2/NDF:91323.0/17

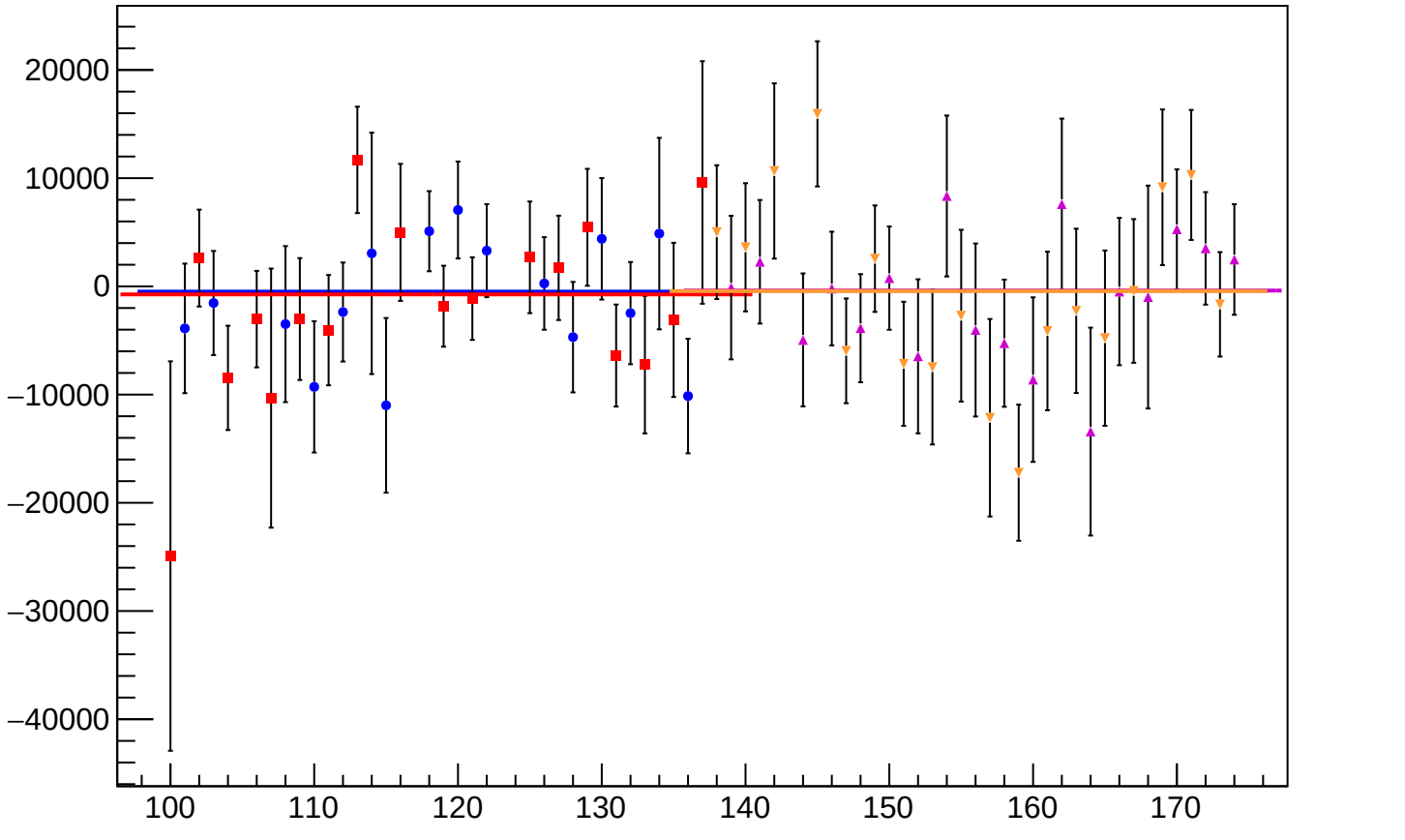
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1617.410+/-0.297 χ^2/NDF:102502.9/17

+ sign 1538.595+/-0.236 χ^2/NDF: 387469.6/33

All: 1538.141+/-0.166 χ^2/NDF: 765234.5/69

- 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: -435.459+/-1502.097 χ^2/NDF:27.6/17

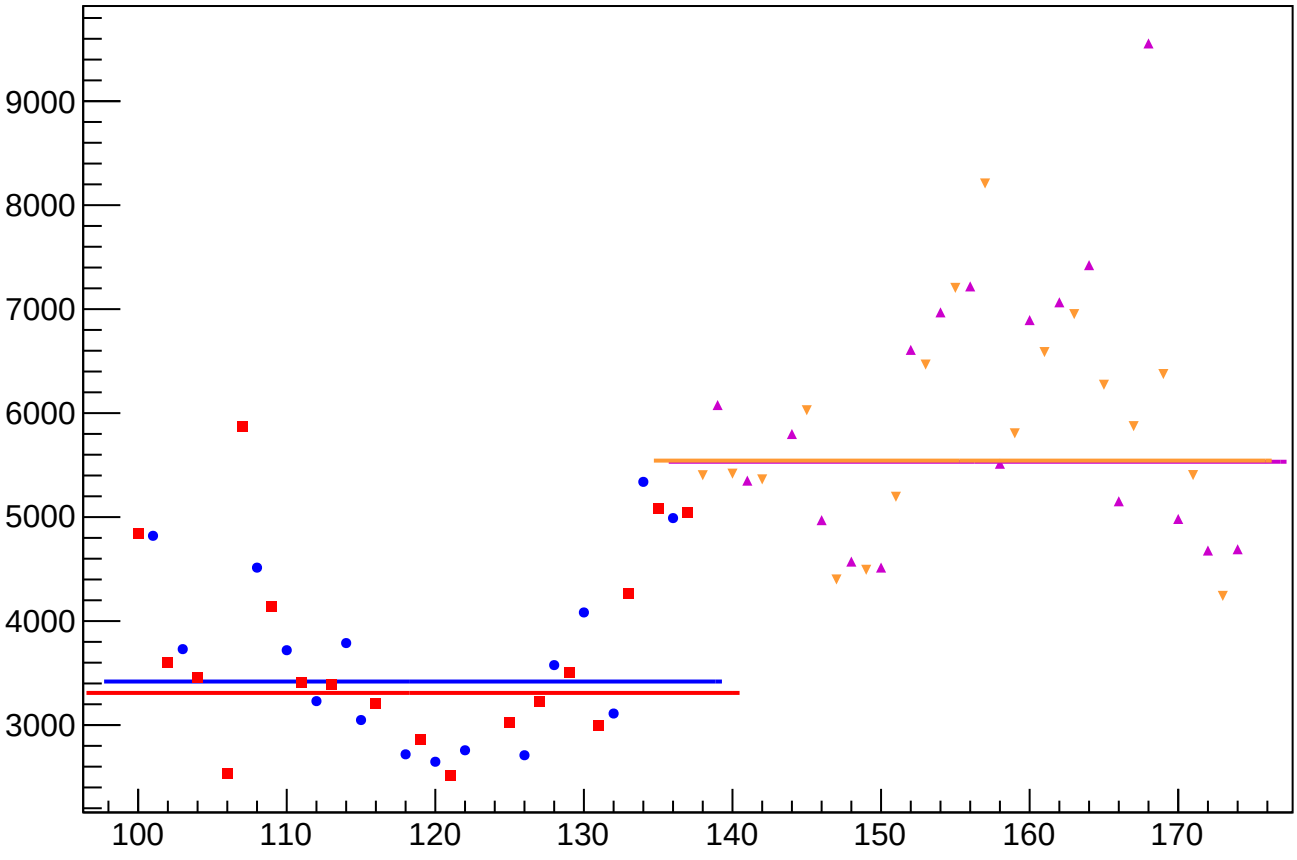
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -386.499+/-1465.450 χ^2/NDF:10.3/17

+ sign -466.121+/-986.724 χ^2/NDF: 43.4/33

All: -531.309+/-684.410 χ^2/NDF: 72.9/69

- 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: 5543.267+/-1.062 χ^2/NDF:822303.0/17

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

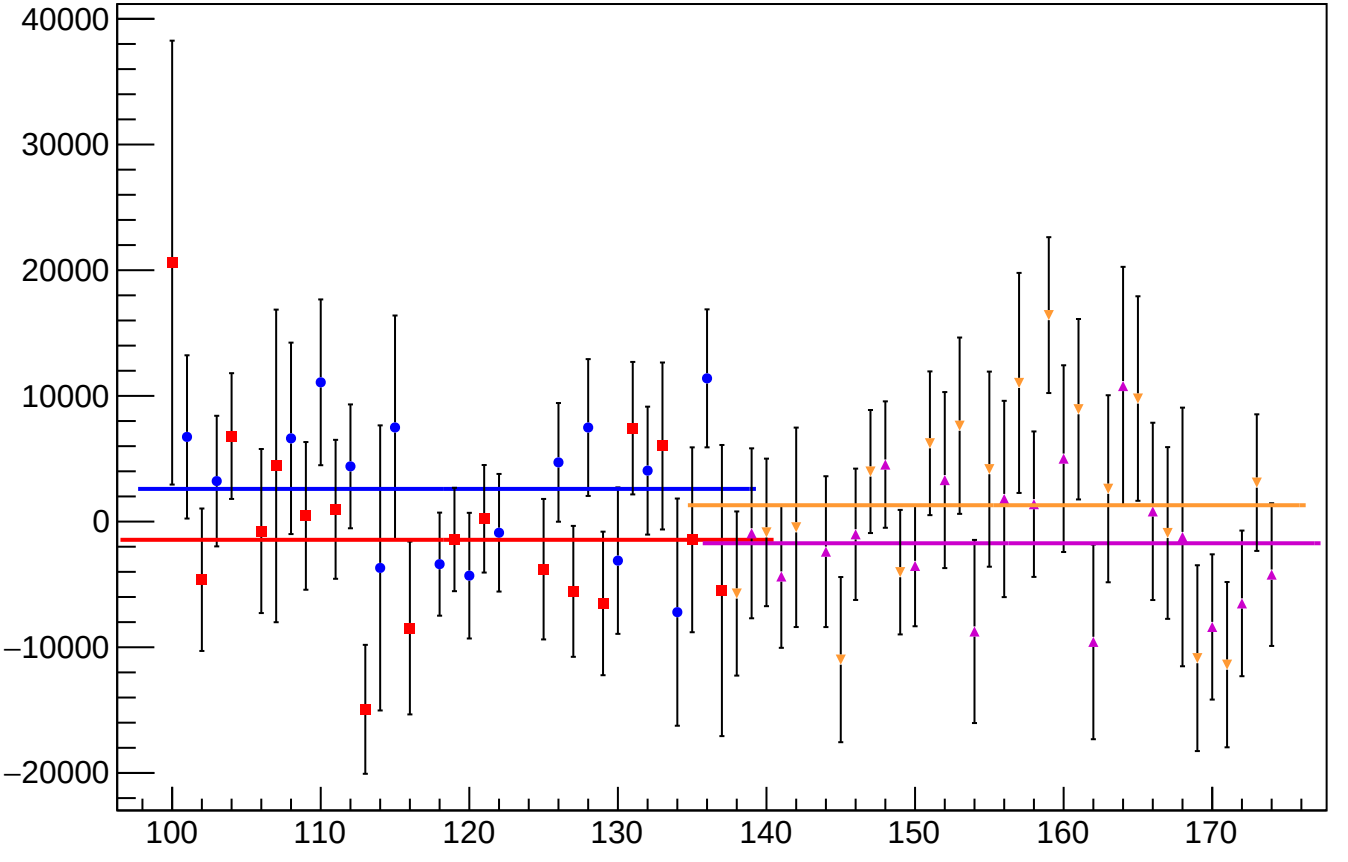
Left In: 5532.294+/-1.036 χ^2/NDF:1072806.2/17

+ sign 4335.476+/-0.698 χ^2/NDF: 3818093.9/33

All: 4287.815+/-0.484 χ^2/NDF: 8139964.6/69

- 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: 1301.226+/-1525.254 χ^2/NDF:24.1/17

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

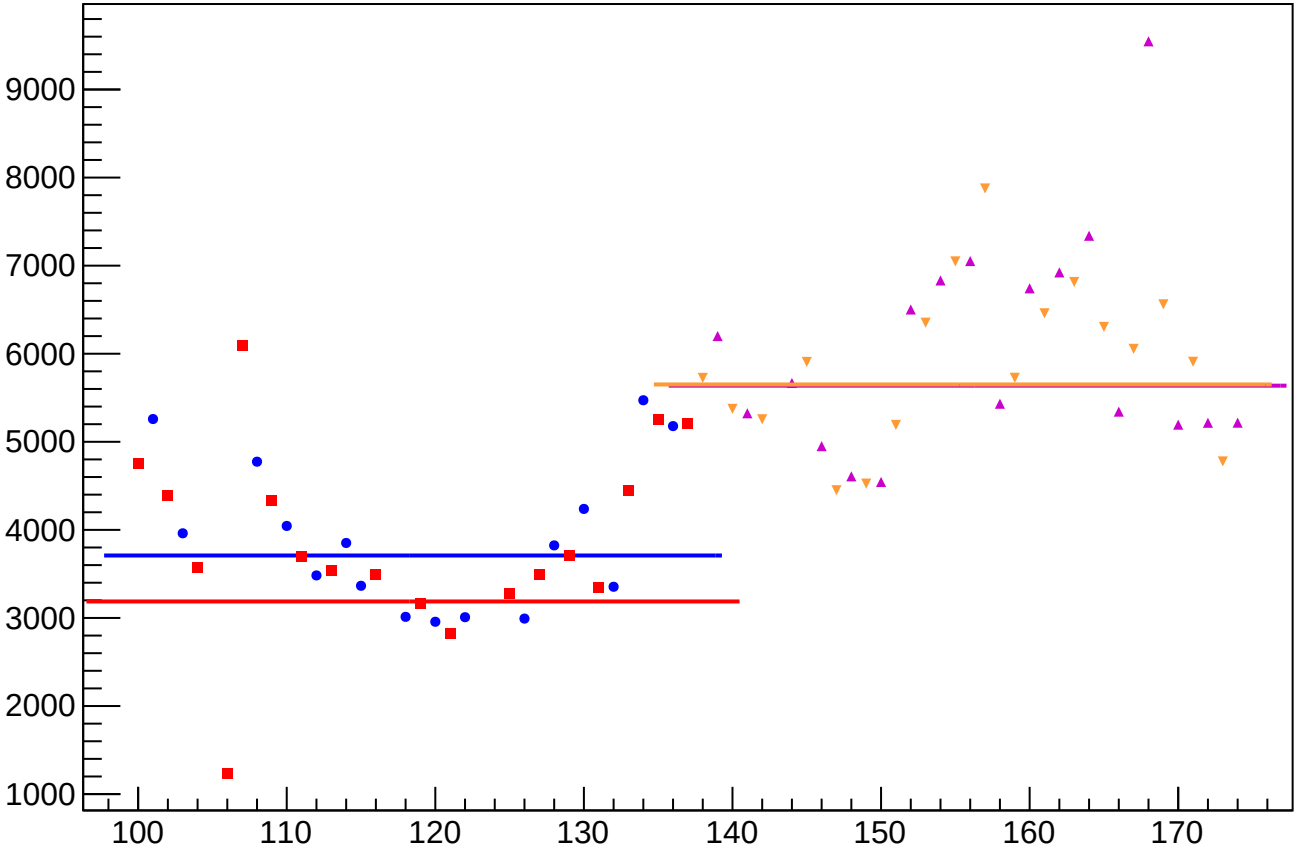
Left In: -1724.742+/-1487.550 χ^2/NDF:9.8/17

+ sign 1999.271+/-1037.148 χ^2/NDF: 37.9/33

All: 168.371+/-724.614 χ^2/NDF: 72.9/69

- 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: 5651.027+/-1.079 χ^2/NDF:642884.9/17

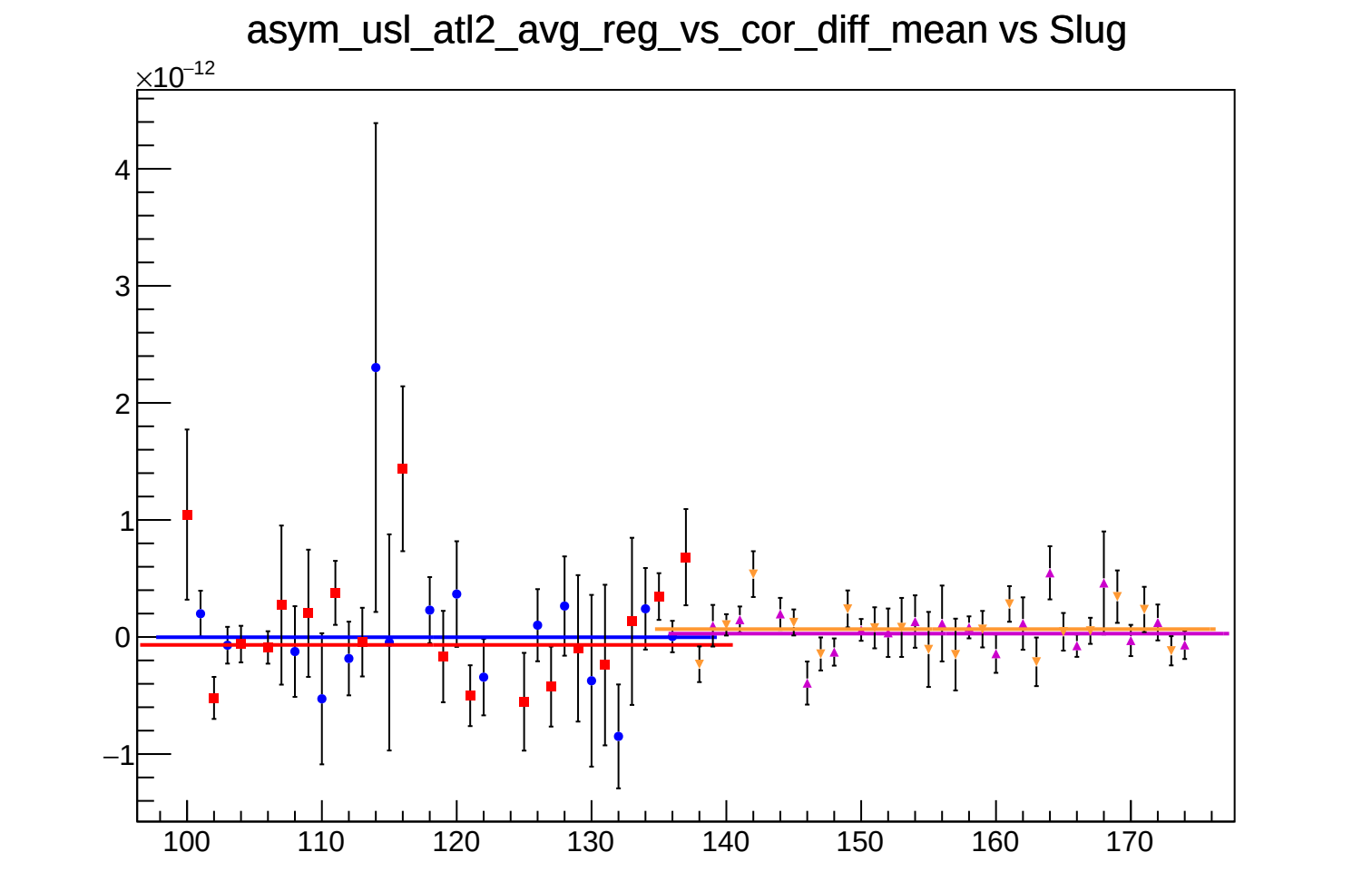
Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5637.336+/-1.052 χ^2/NDF:883836.9/17

+ sign 4607.032+/-0.733 χ^2/NDF: 2996391.5/33

All: 4397.786+/-0.499 χ^2/NDF: 8788443.1/69

- sign 4216.886+/-0.682 χ^2/NDF: 5640264.2/35



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.7/17

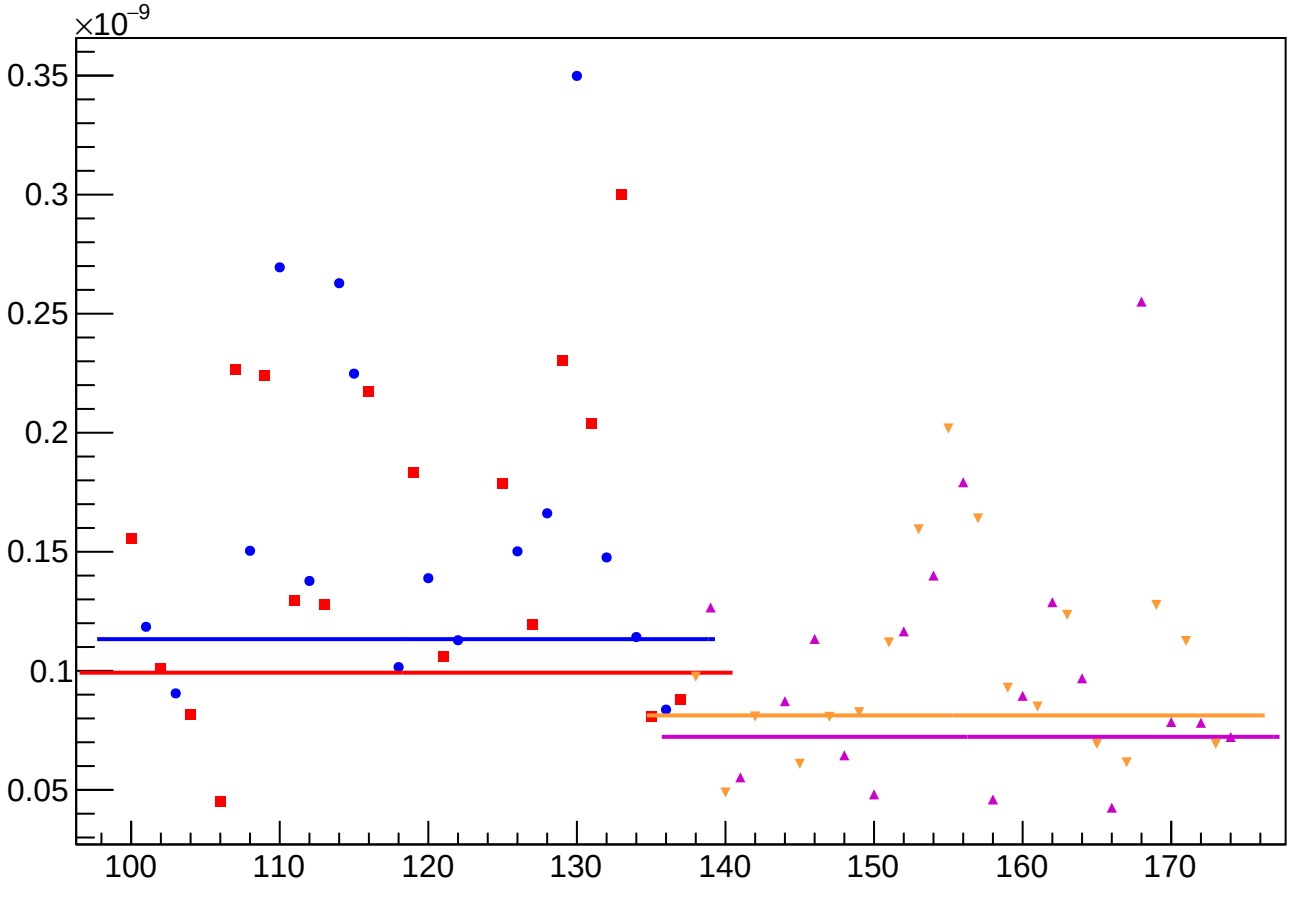
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:20.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 34.5/33

All: 0.000+/-0.000 χ^2/NDF: 87.2/69

- 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:1349681.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

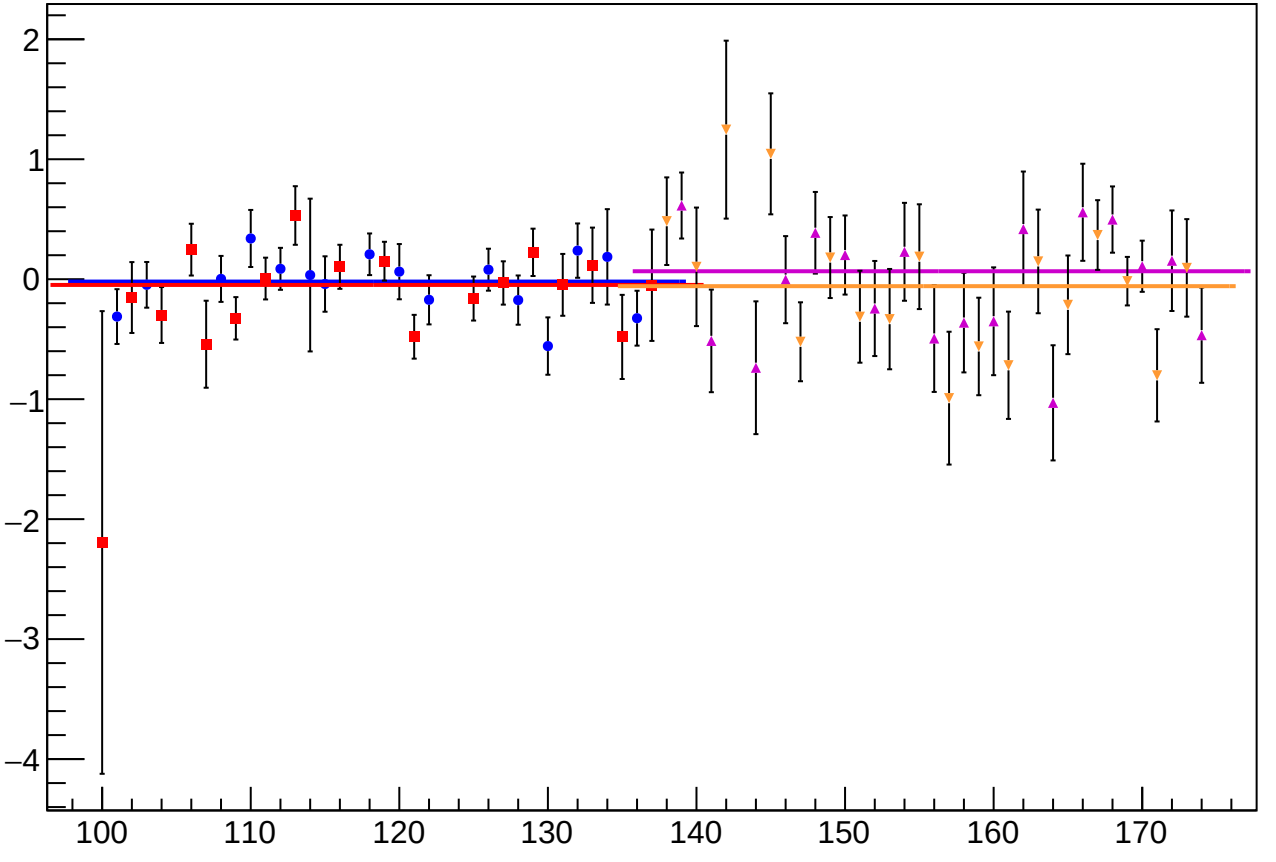
Left In: 0.000+/-0.000 χ^2/NDF:1867936.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 2333219.2/33

All: 0.000+/-0.000 χ^2/NDF: 5678388.7/69

- 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: -0.058+/-0.088 χ^2/NDF:26.8/17

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

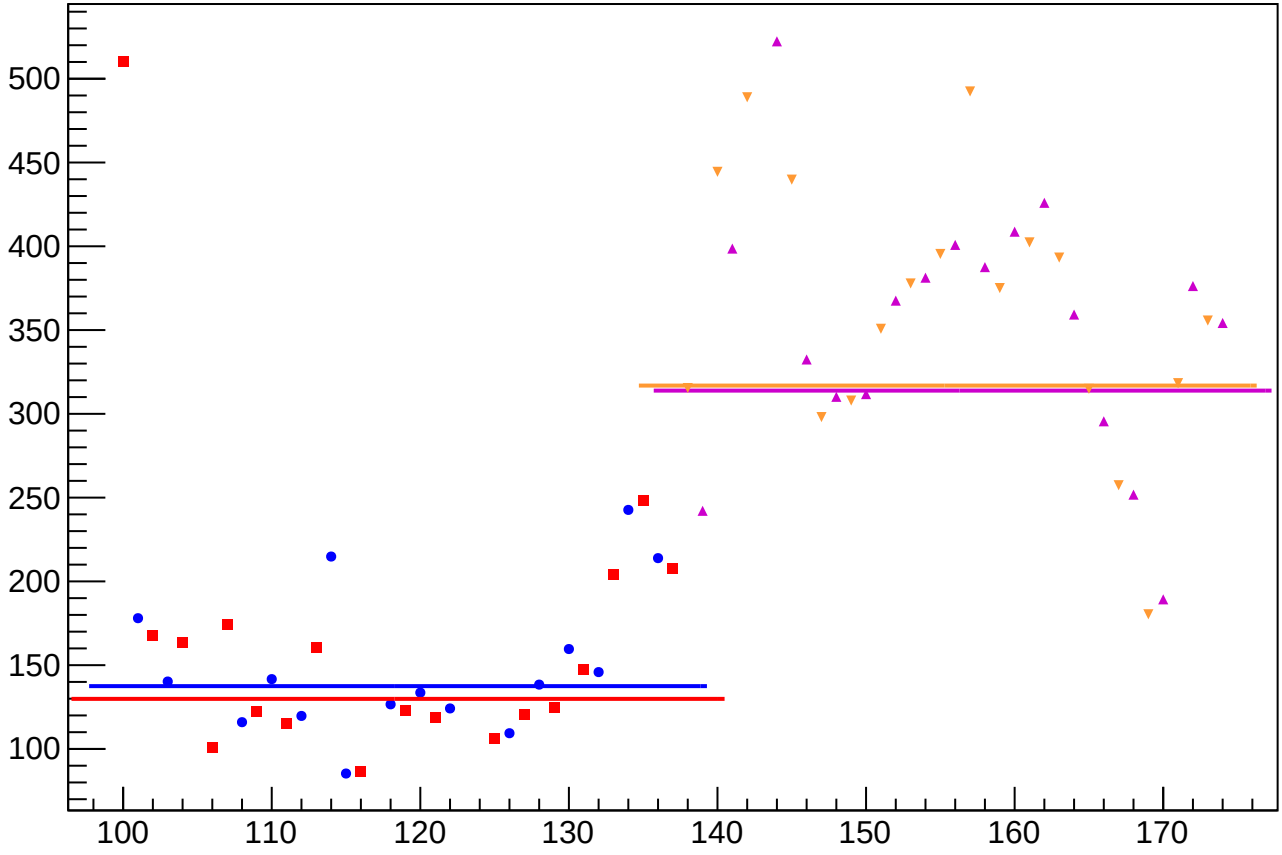
Left In: 0.066+/-0.085 χ^2/NDF:24.8/17

+ sign -0.030+/-0.046 χ^2/NDF: 43.0/33

All: -0.023+/-0.032 χ^2/NDF: 95.5/69

- 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: 316.870+/-0.063 χ^2/NDF:1881418.5/17

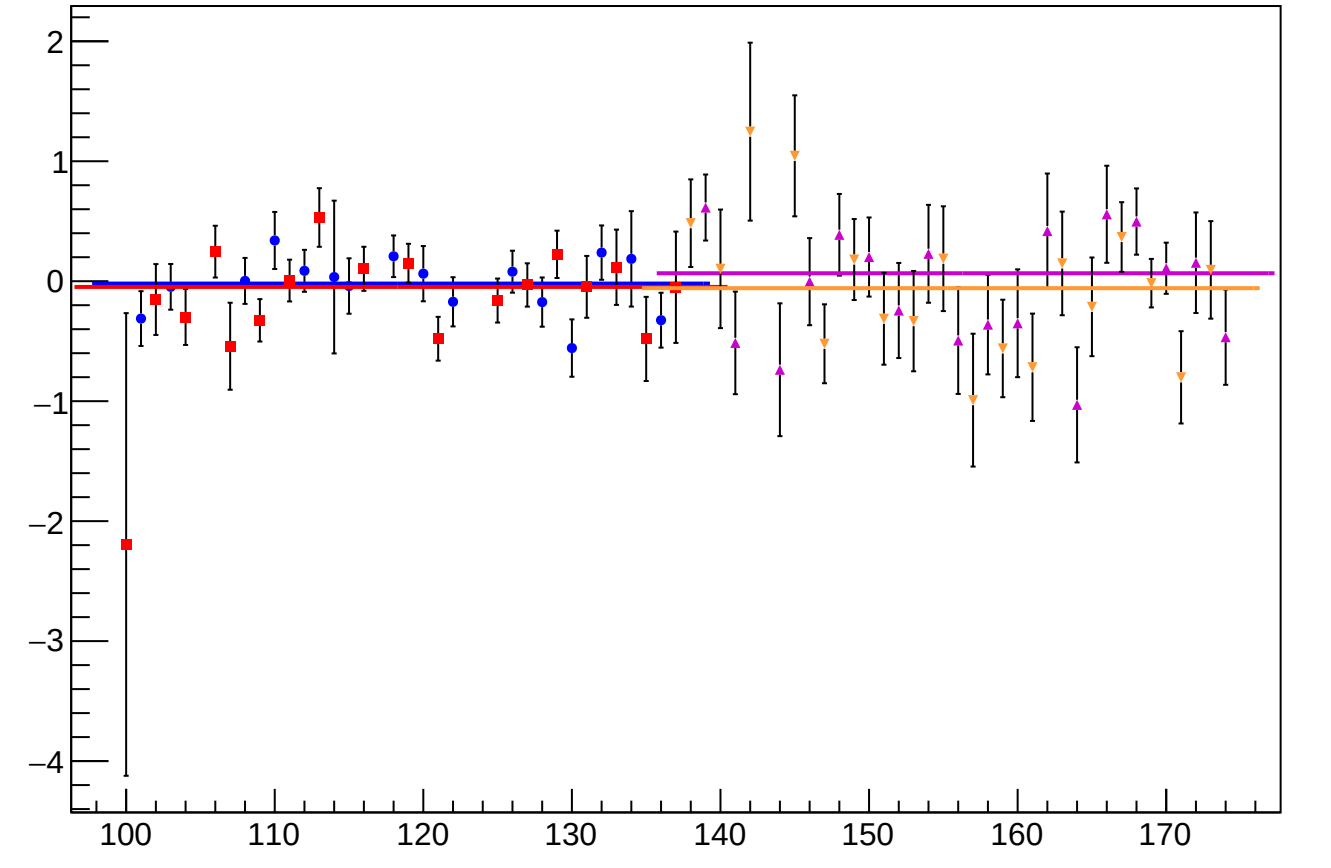
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 313.861+/-0.060 χ^2/NDF:1803626.2/17

+ sign 186.474+/-0.033 χ^2/NDF: 8554900.4/33

All: 183.353+/-0.023 χ^2/NDF: 17959197.8/69

- 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: -0.058+/-0.088 χ^2/NDF:26.8/17

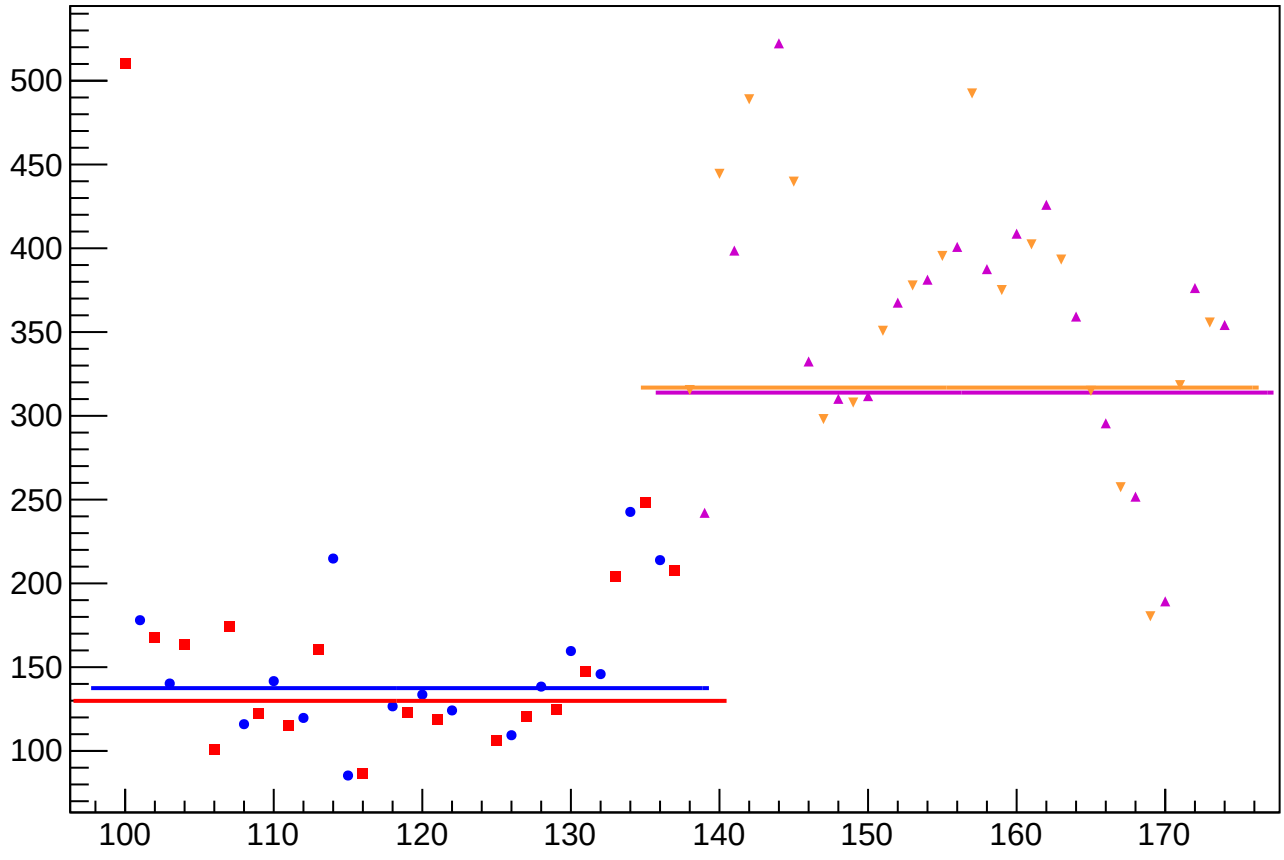
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.066+/-0.085 χ^2/NDF:24.8/17

+ sign -0.030+/-0.046 χ^2/NDF: 43.0/33

All: -0.023+/-0.032 χ^2/NDF: 95.5/69

- 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: 316.870+/-0.063 χ^2/NDF:1881418.5/17

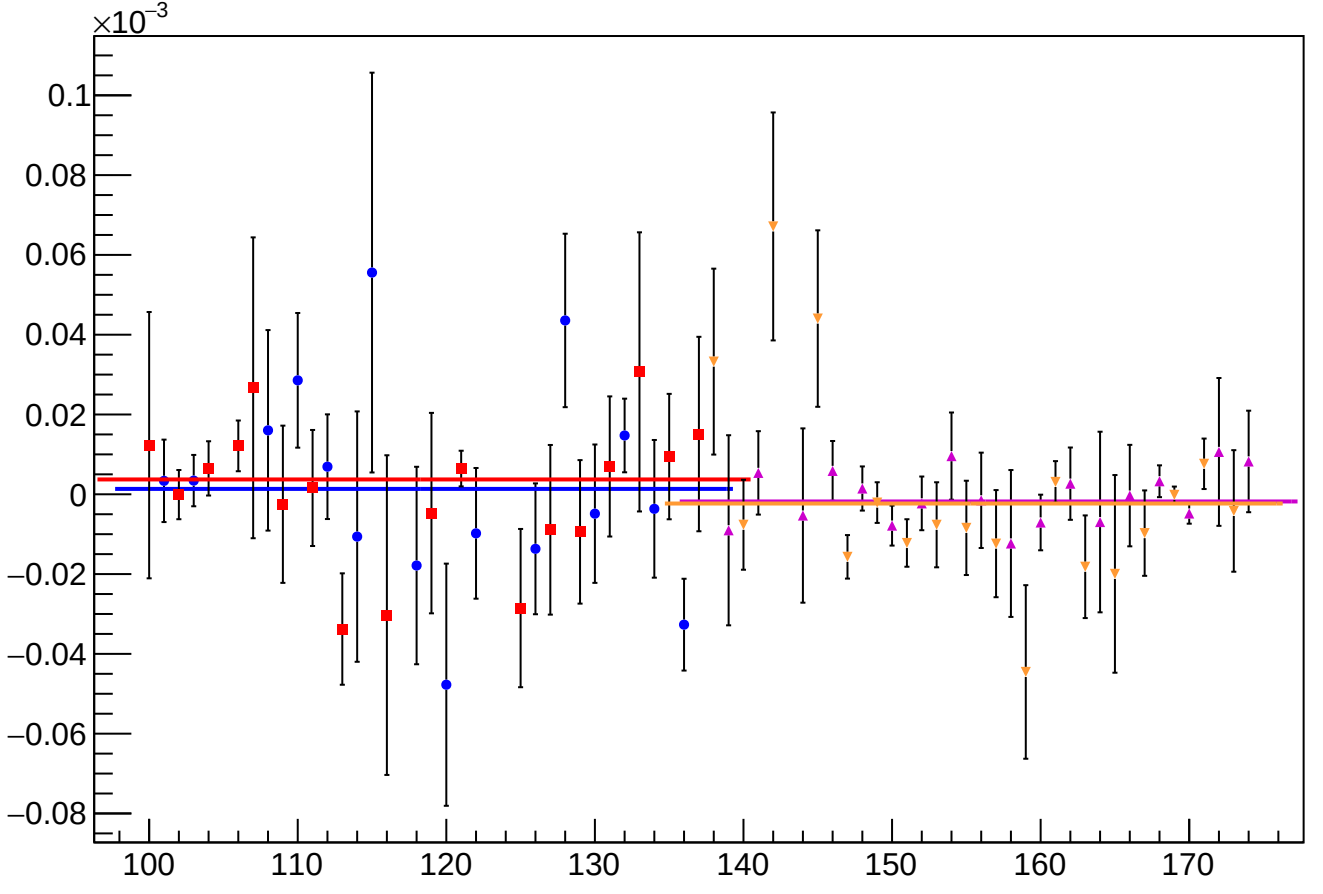
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 313.861+/-0.060 χ^2/NDF:1803626.2/17

+ sign 186.474+/-0.033 χ^2/NDF: 8554900.4/33

All: 183.353+/-0.023 χ^2/NDF: 17959197.8/69

- 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:33.6/17

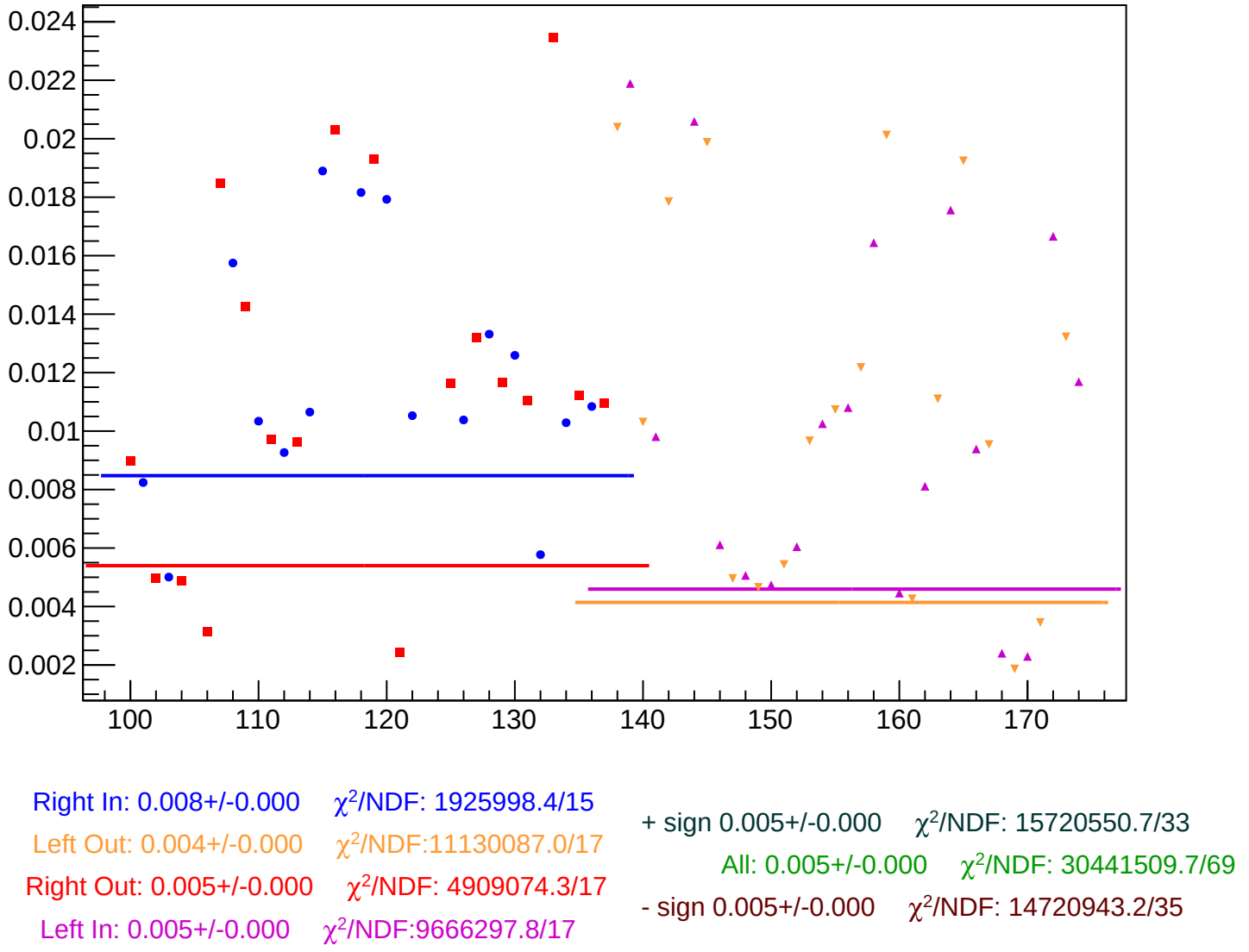
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

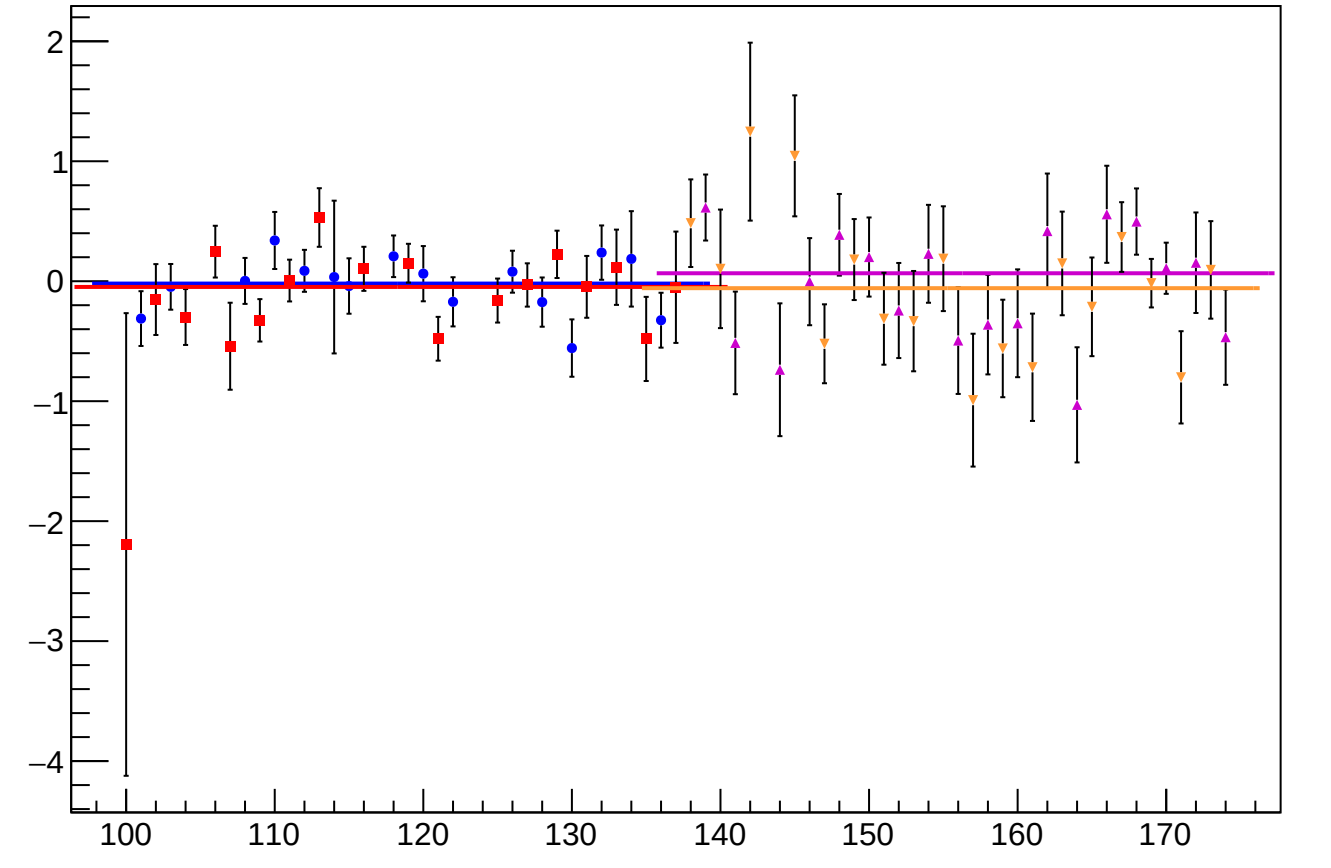
Left In: -0.000+/-0.000 χ^2/NDF:9.8/17

+ sign -0.000+/-0.000 χ^2/NDF: 58.5/33

All: -0.000+/-0.000 χ^2/NDF: 88.1/69

- 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:11130087.0/17
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: 15720550.7/33
All: 0.005+/-0.000 χ²/NDF: 30441509.7/69
- sign 0.005+/-0.000 χ²/NDF: 14720943.2/35



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.058+/-0.088 χ^2/NDF:26.9/17

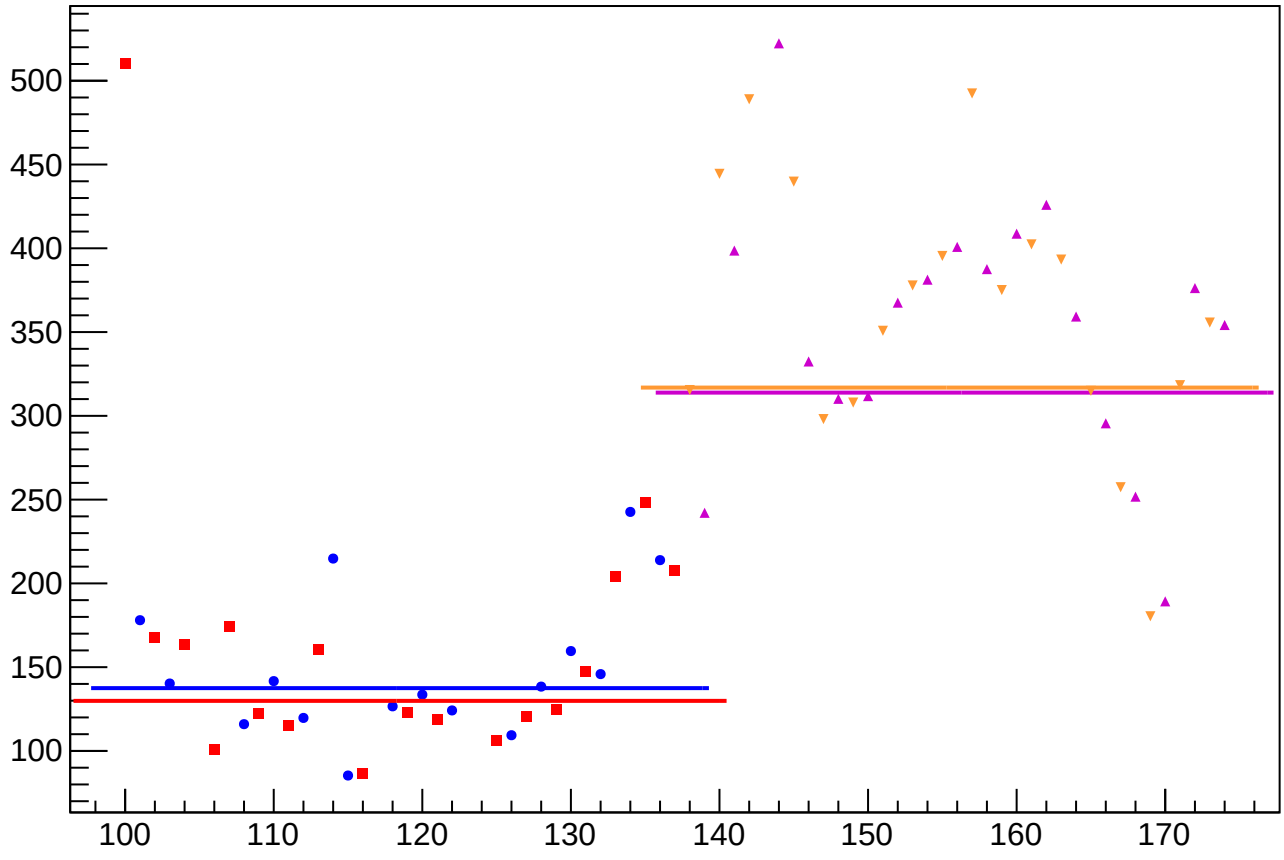
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.066+/-0.085 χ^2/NDF:24.8/17

+ sign -0.030+/-0.046 χ^2/NDF: 43.0/33

All: -0.023+/-0.032 χ^2/NDF: 95.5/69

- 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: 316.871+/-0.063 χ^2/NDF:1881486.7/17

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

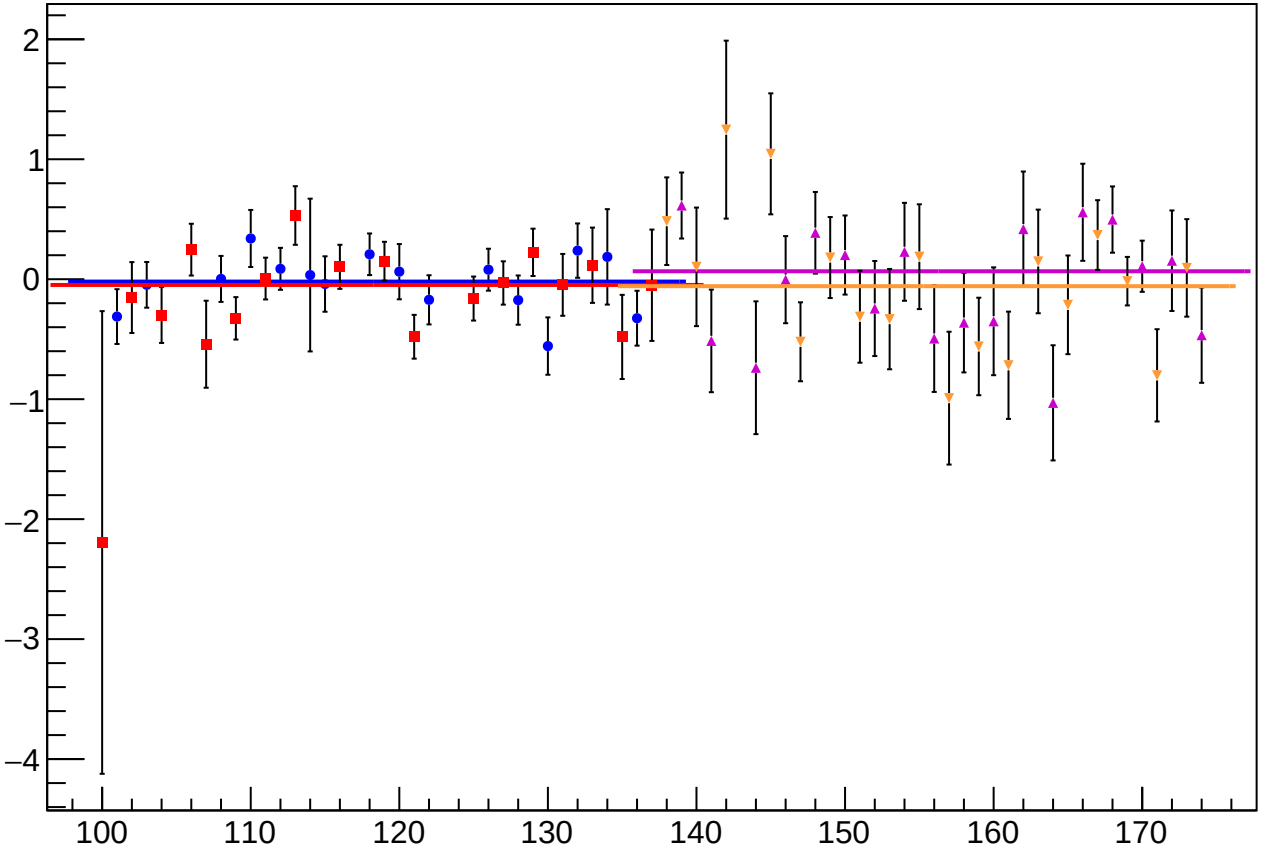
Left In: 313.864+/-0.060 χ^2/NDF:1803617.9/17

+ sign 186.474+/-0.033 χ^2/NDF: 8555032.2/33

All: 183.353+/-0.023 χ^2/NDF: 17959395.7/69

- sign 180.432+/-0.032 χ^2/NDF: 9386706.4/35

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.058+/-0.088 χ^2/NDF:26.9/17

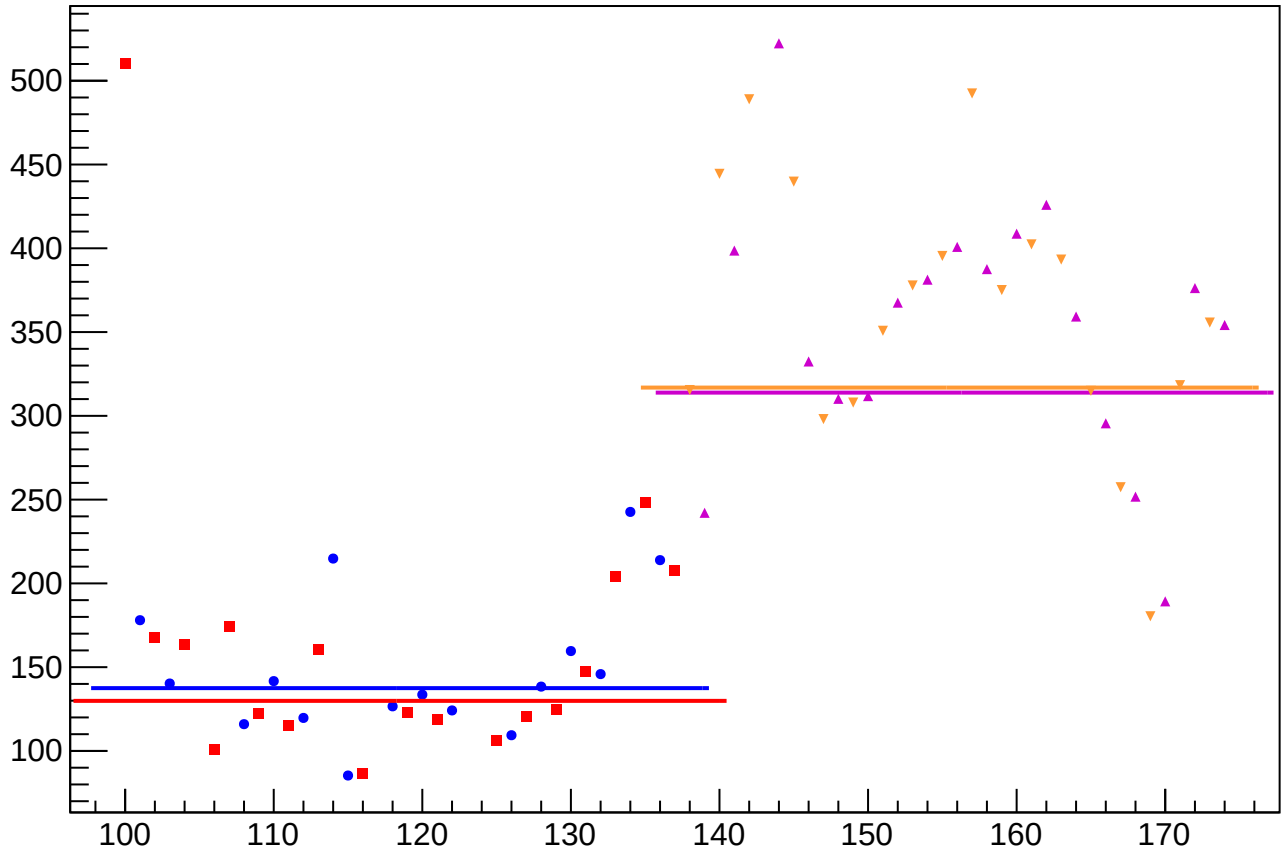
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.066+/-0.085 χ^2/NDF:24.8/17

+ sign -0.030+/-0.046 χ^2/NDF: 43.0/33

All: -0.023+/-0.032 χ^2/NDF: 95.5/69

- 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: 316.871+/-0.063 χ^2/NDF:1881486.7/17

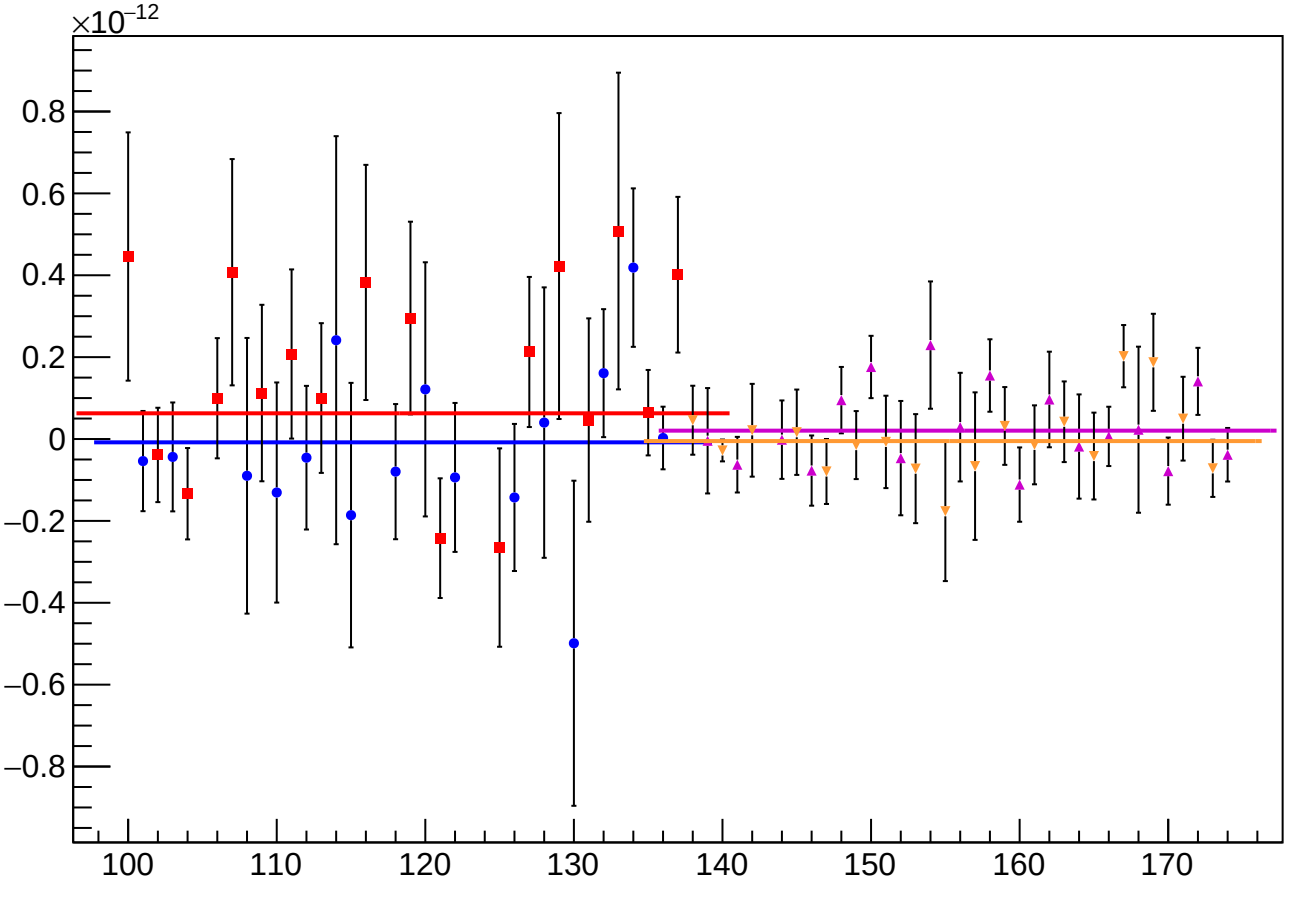
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 313.864+/-0.060 χ^2/NDF:1803617.9/17

+ sign 186.474+/-0.033 χ^2/NDF: 8555032.2/33

All: 183.353+/-0.023 χ^2/NDF: 17959395.7/69

- 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:15.2/17

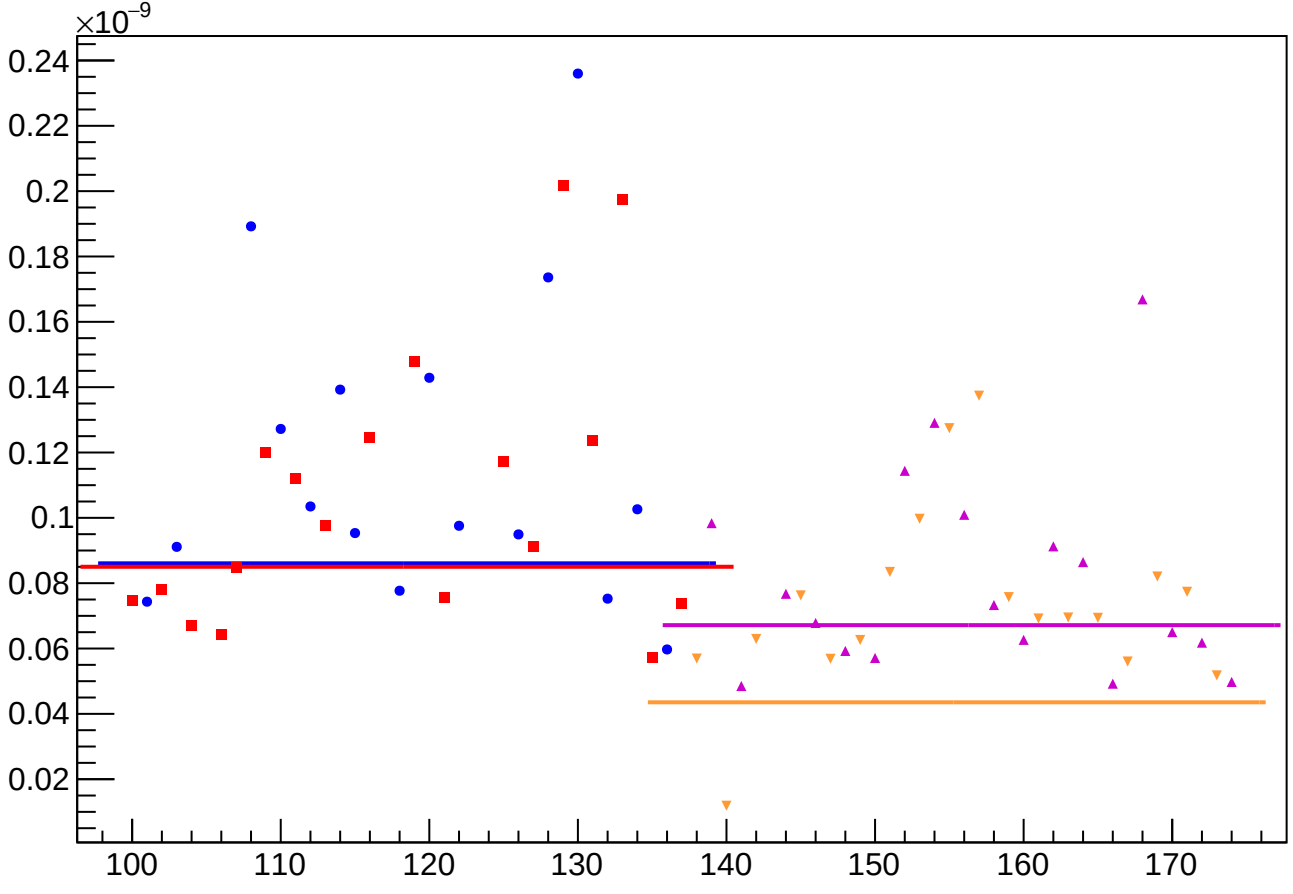
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:19.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 25.1/33

All: 0.000+/-0.000 χ^2/NDF: 69.3/69

- 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:6056825.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

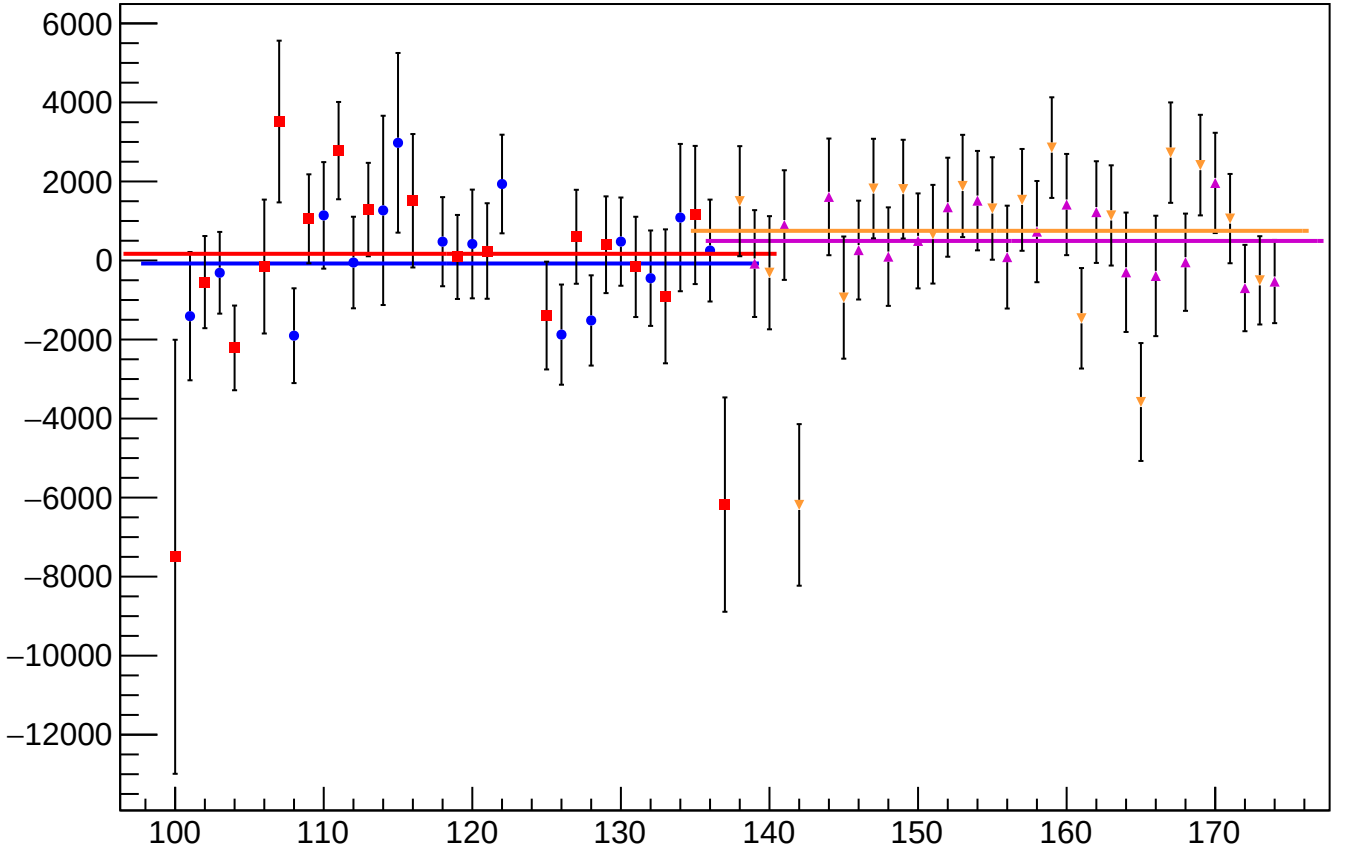
Left In: 0.000+/-0.000 χ^2/NDF:1920806.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 8836897.9/33

All: 0.000+/-0.000 χ^2/NDF: 13423247.8/69

- 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: 750.779+/-308.697 χ^2/NDF:36.1/17

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

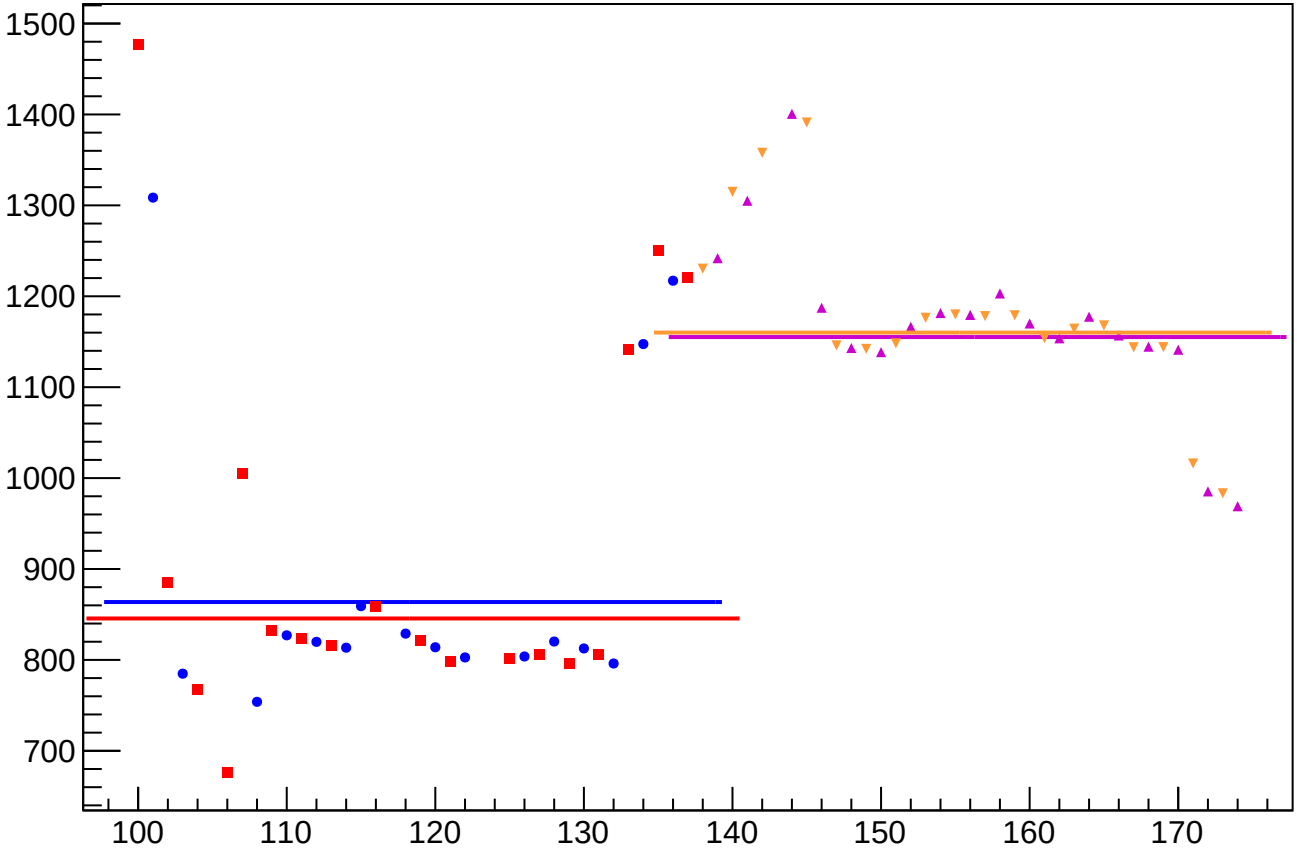
Left In: 494.922+/-300.516 χ^2/NDF:7.3/17

+ sign 360.225+/-224.223 χ^2/NDF: 52.8/33

All: 351.572+/-156.906 χ^2/NDF: 85.1/69

- 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: 1160.077+/-0.218 χ^2/NDF:177703.3/17

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

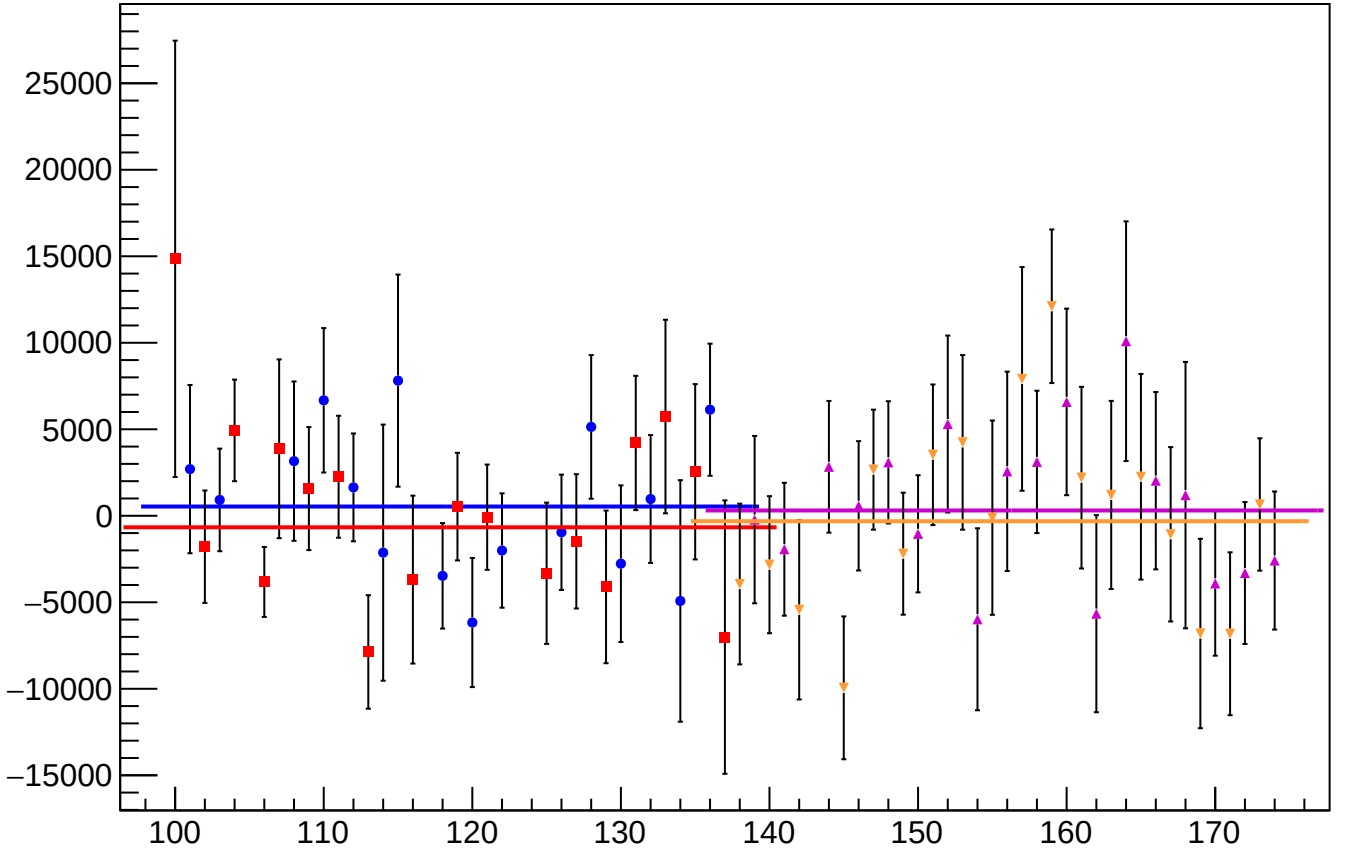
Left In: 1155.148+/-0.212 χ^2/NDF:205239.5/17

+ sign 1020.046+/-0.159 χ^2/NDF: 1456341.3/33

All: 1014.395+/-0.111 χ^2/NDF: 2973547.2/69

- 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: -314.191+/-1078.164 χ^2/NDF:23.5/17

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

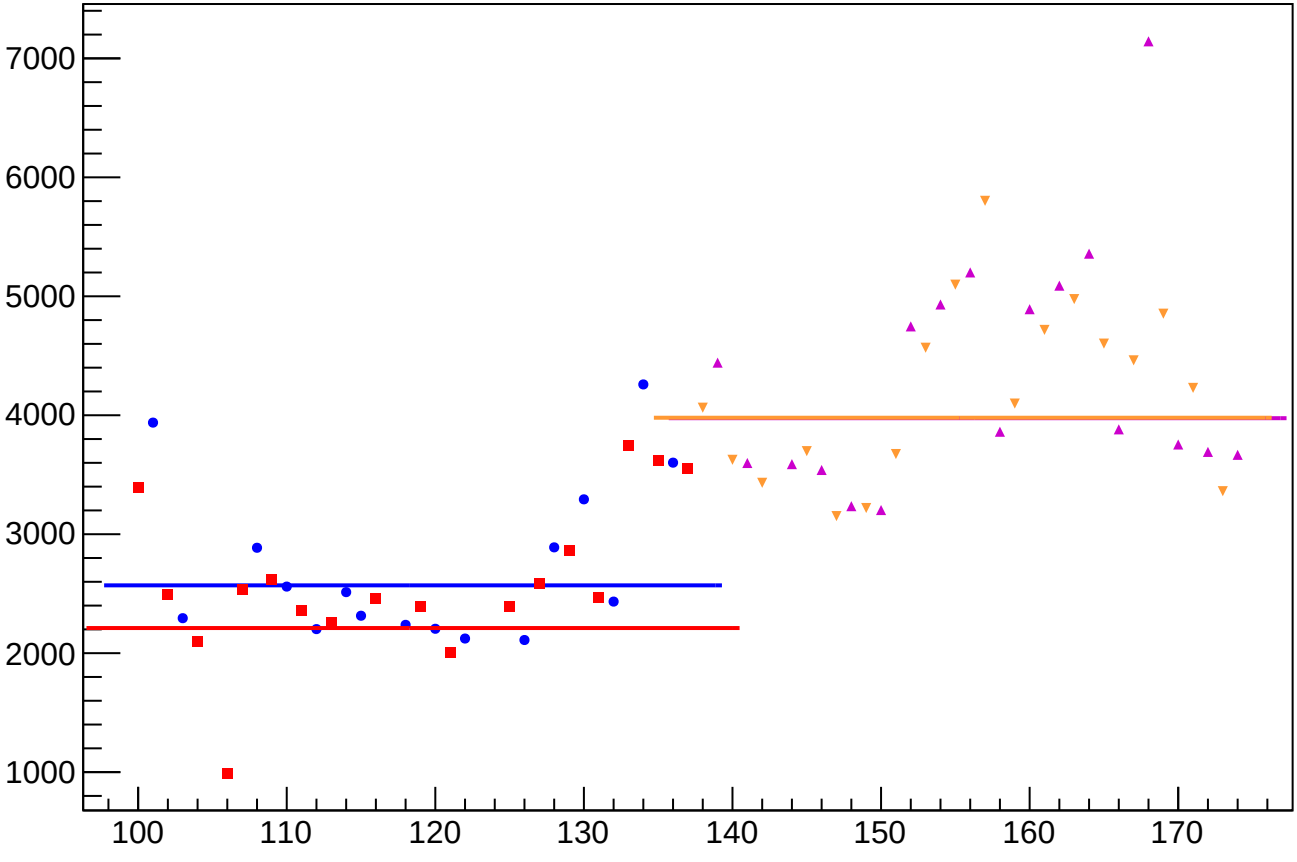
Left In: 306.826+/-1052.567 χ^2/NDF:11.5/17

+ sign 149.991+/-725.713 χ^2/NDF: 38.5/33

All: -79.330+/-491.594 χ^2/NDF: 70.6/69

- 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: 3979.161+/-0.762 χ^2/NDF:788767.5/17

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

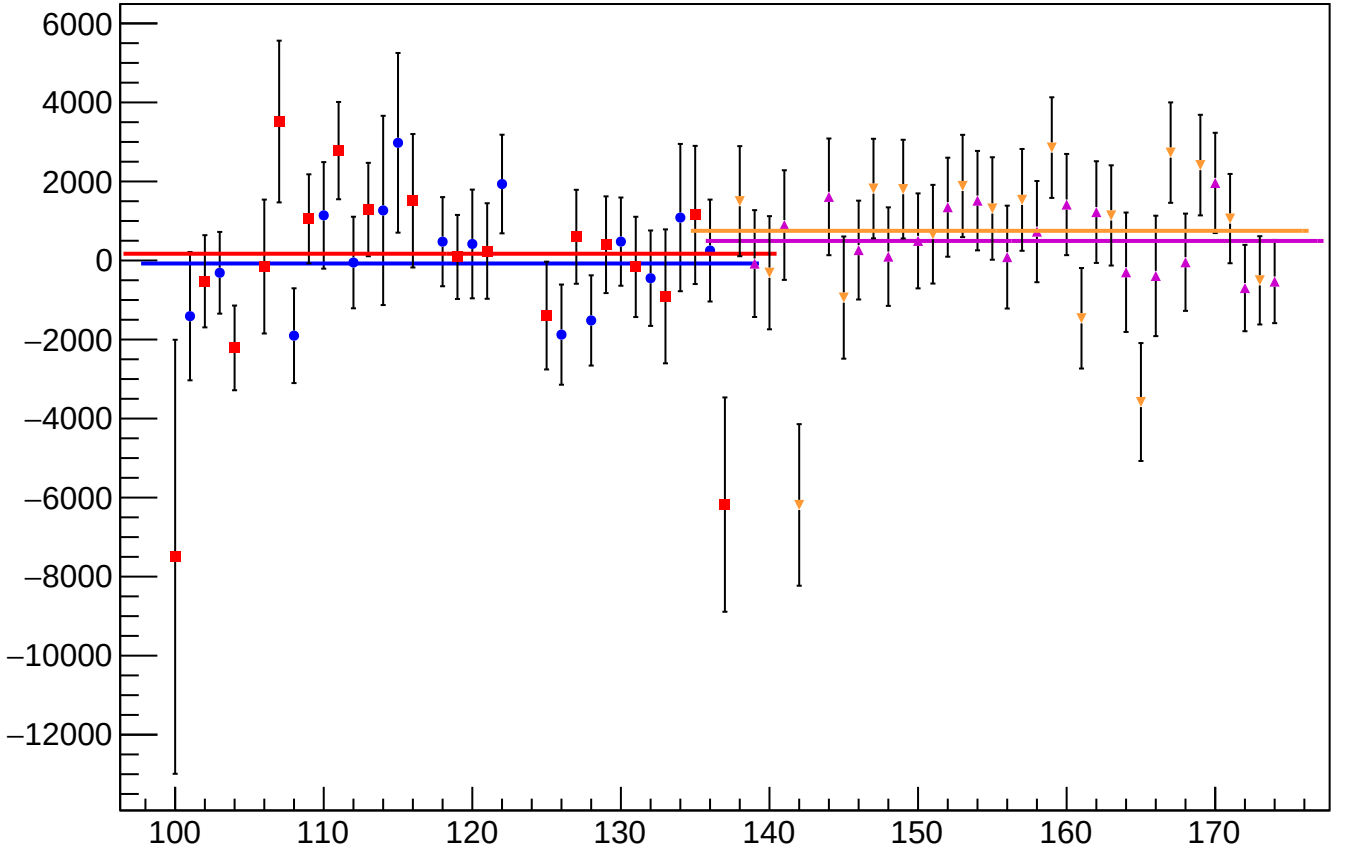
Left In: 3975.313+/-0.744 χ^2/NDF:1061167.8/17

+ sign 3208.516+/-0.513 χ^2/NDF: 3319490.4/33

All: 3053.660+/-0.348 χ^2/NDF: 9166194.0/69

- 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: 750.780+/-308.697 χ^2/NDF:36.1/17

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

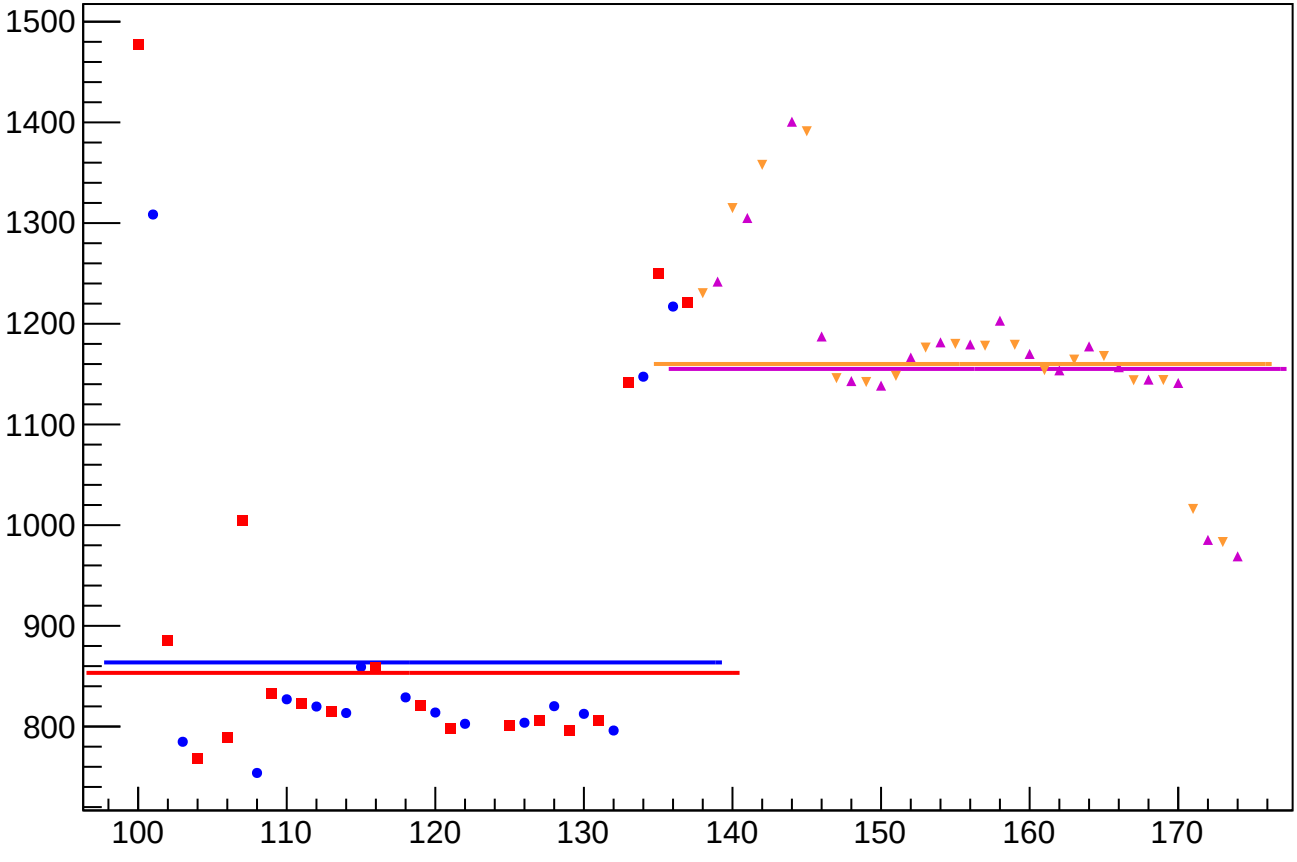
Left In: 494.907+/-300.516 χ^2/NDF:7.3/17

+ sign 360.188+/-224.223 χ^2/NDF: 52.8/33

All: 351.941+/-156.906 χ^2/NDF: 85.1/69

- 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: 1160.077+/-0.218 χ^2/NDF:177703.3/17

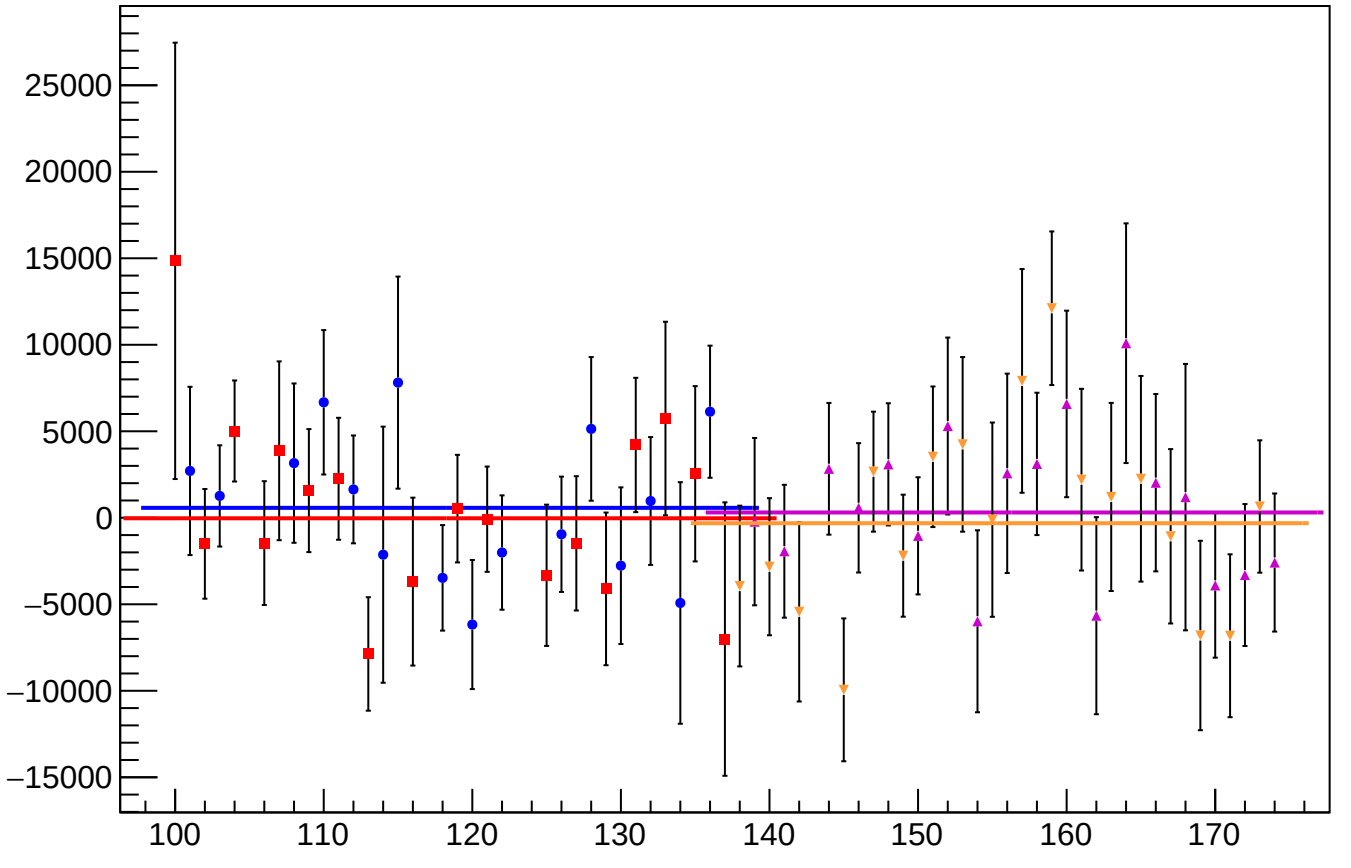
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1155.148+/-0.212 χ^2/NDF:205239.5/17

+ sign 1020.046+/-0.159 χ^2/NDF: 1456341.4/33

All: 1016.835+/-0.111 χ^2/NDF: 2882864.5/69

- 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: -314.183+/-1078.164 χ^2/NDF:23.5/17

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

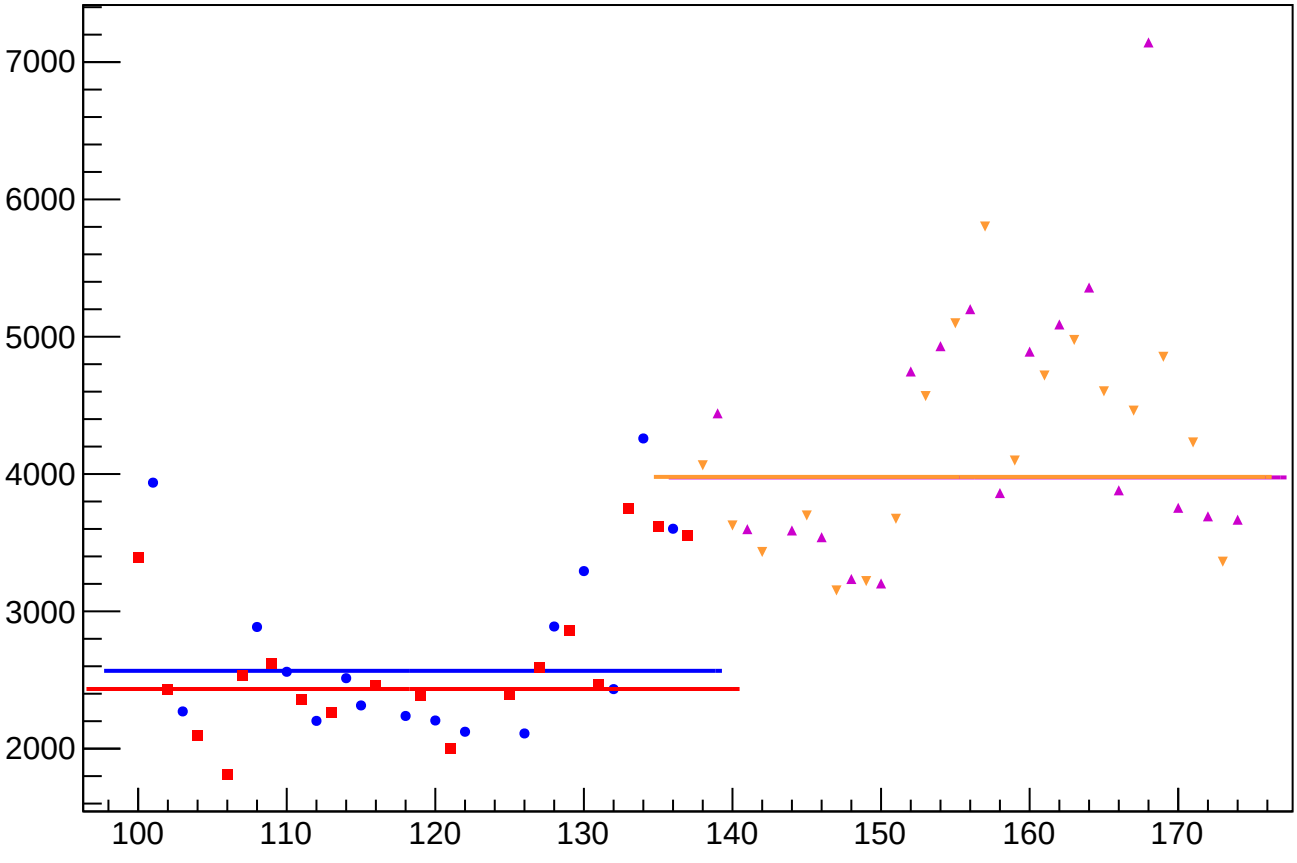
Left In: 306.860+/-1052.566 χ^2/NDF:11.5/17

\+ sign 172.767+/-725.133 χ^2/NDF: 38.6/33

All: 143.677+/-501.225 χ^2/NDF: 67.3/69

\- 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: 3979.162+/-0.762 χ^2/NDF:788763.8/17

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

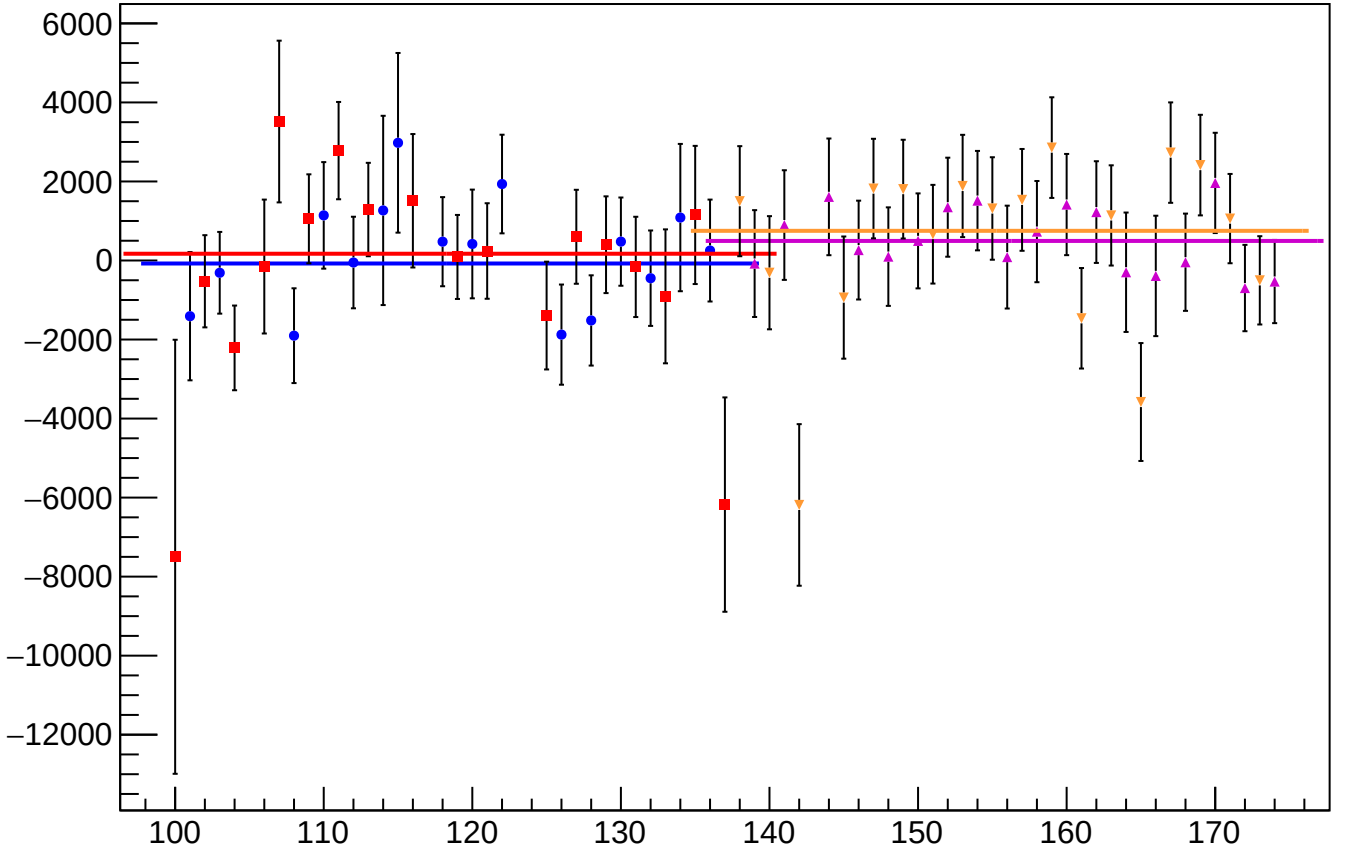
Left In: 3975.308+/-0.744 χ^2/NDF:1061171.1/17

+ sign 3205.632+/-0.513 χ^2/NDF: 3334406.0/33

All: 3152.306+/-0.354 χ^2/NDF: 7275367.6/69

- 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: 750.780+/-308.697 χ^2/NDF:36.1/17

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

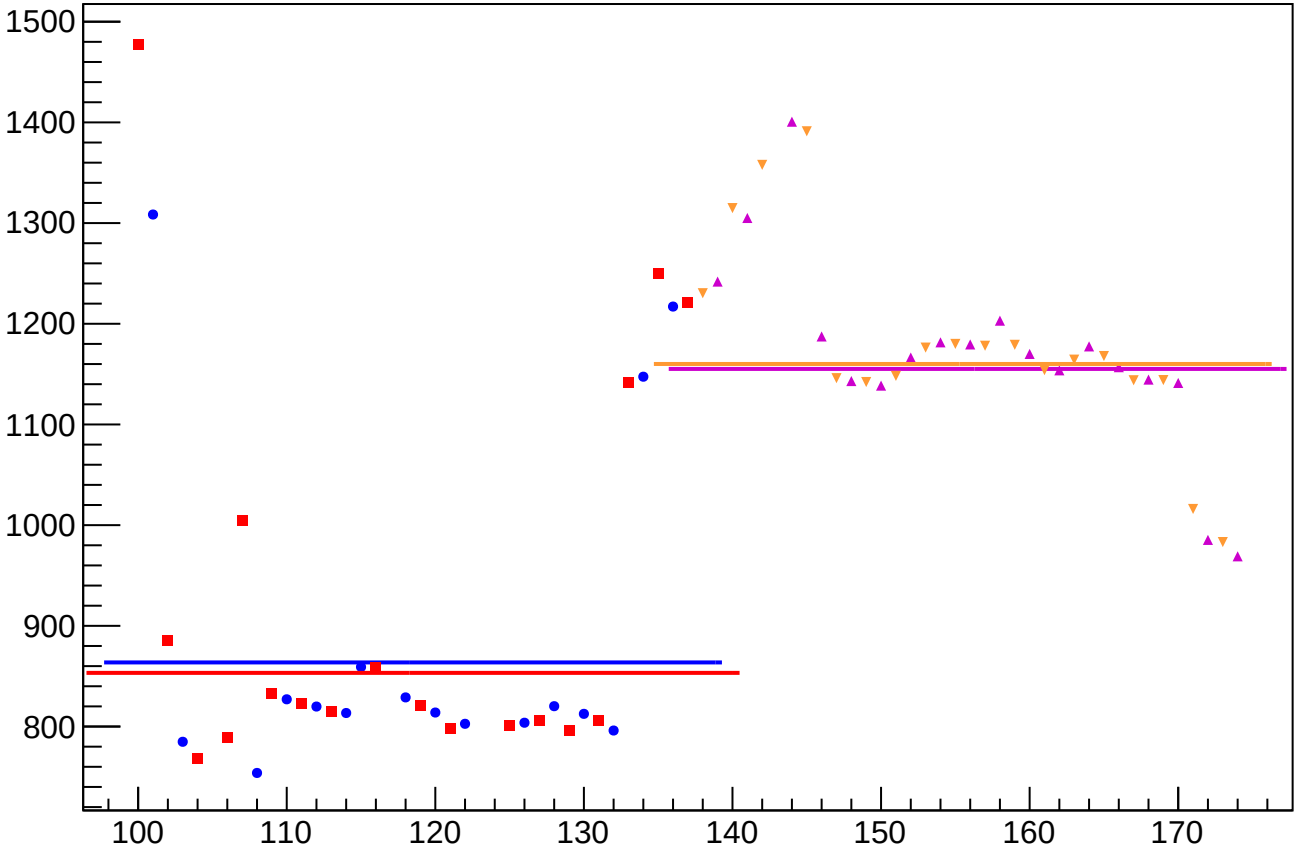
Left In: 494.907+/-300.516 χ^2/NDF:7.3/17

+ sign 360.188+/-224.223 χ^2/NDF: 52.8/33

All: 351.941+/-156.906 χ^2/NDF: 85.1/69

- 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: 1160.077+/-0.218 χ^2/NDF:177703.3/17

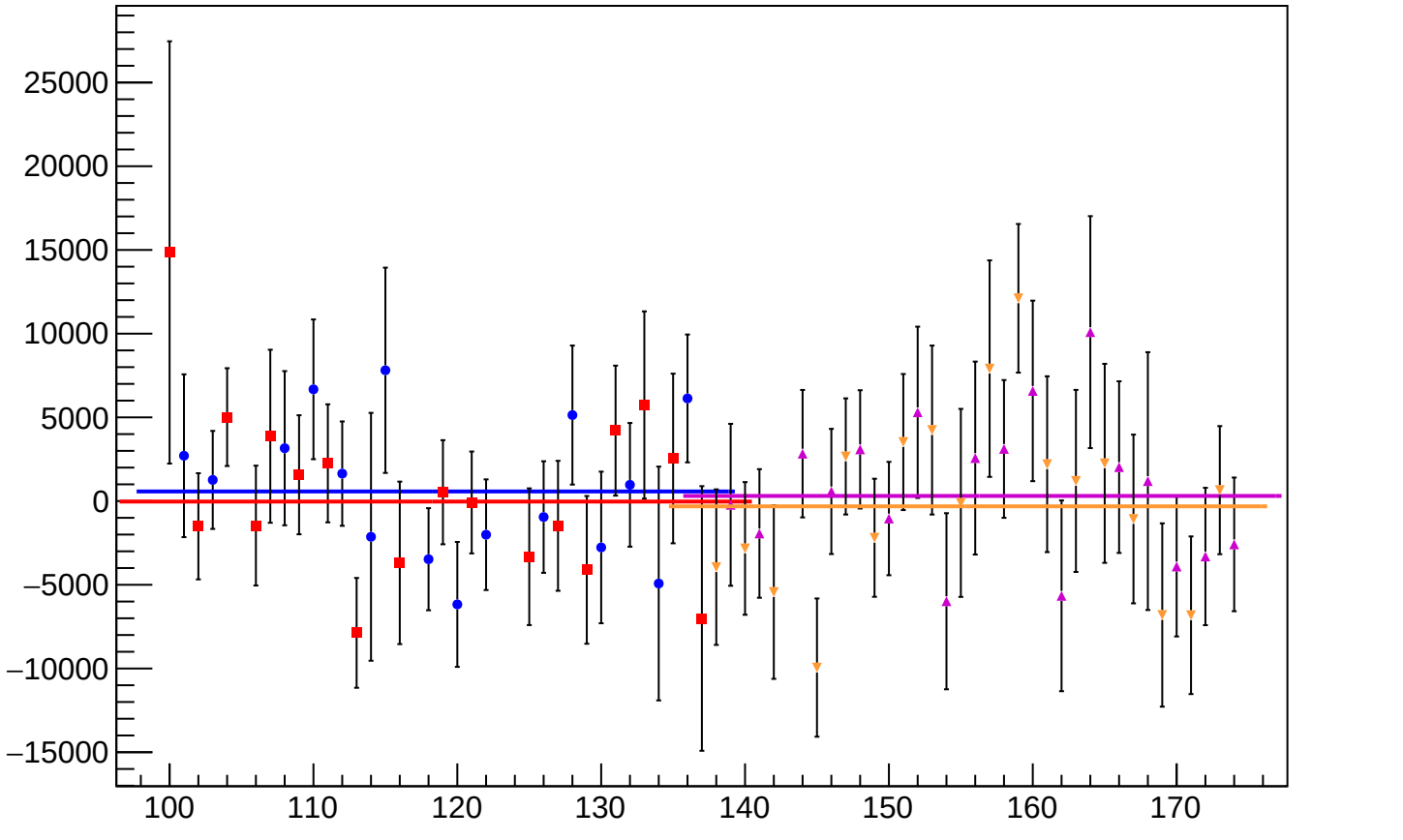
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

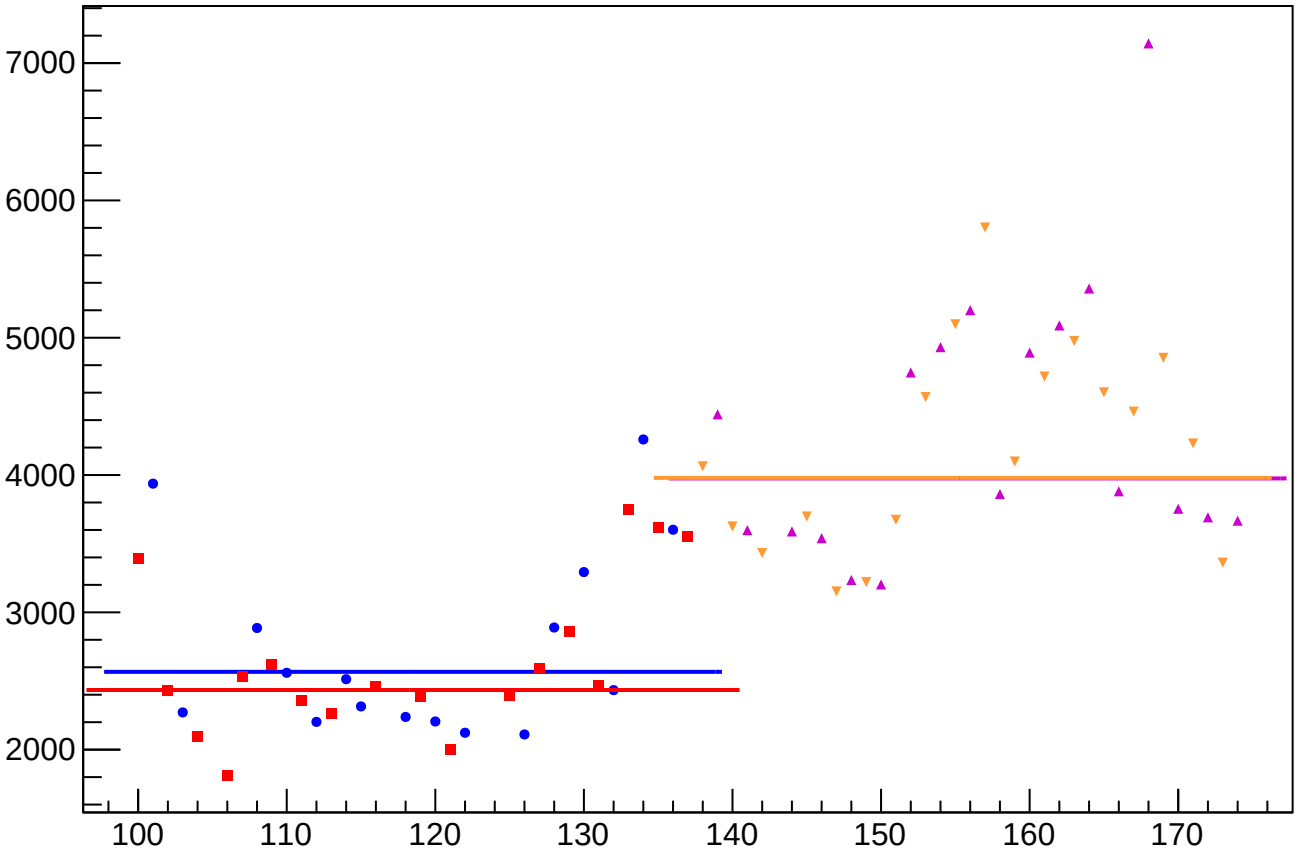
Left In: 1155.148+/-0.212 χ^2/NDF:205239.5/17

+ sign 1020.046+/-0.159 χ^2/NDF: 1456341.4/33

All: 1016.835+/-0.111 χ^2/NDF: 2882864.5/69

- sign 1013.768+/-0.155 χ^2/NDF: 1425721.0/35


asym_usl_atl2_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: 574.964+/-979.856 χ²/NDF: 14.7/15
Left Out: -314.183+/-1078.164 χ²/NDF:23.5/17
Right Out: -28.604+/-922.115 χ²/NDF: 17.2/17
Left In: 306.860+/-1052.566 χ²/NDF:11.5/17
+ sign 172.767+/-725.133 χ²/NDF: 38.6/33
All: 143.677+/-501.225 χ²/NDF: 67.3/69
- sign 117.063+/-693.596 χ²/NDF: 28.7/35



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3979.162+/-0.762 χ^2/NDF:788763.8/17

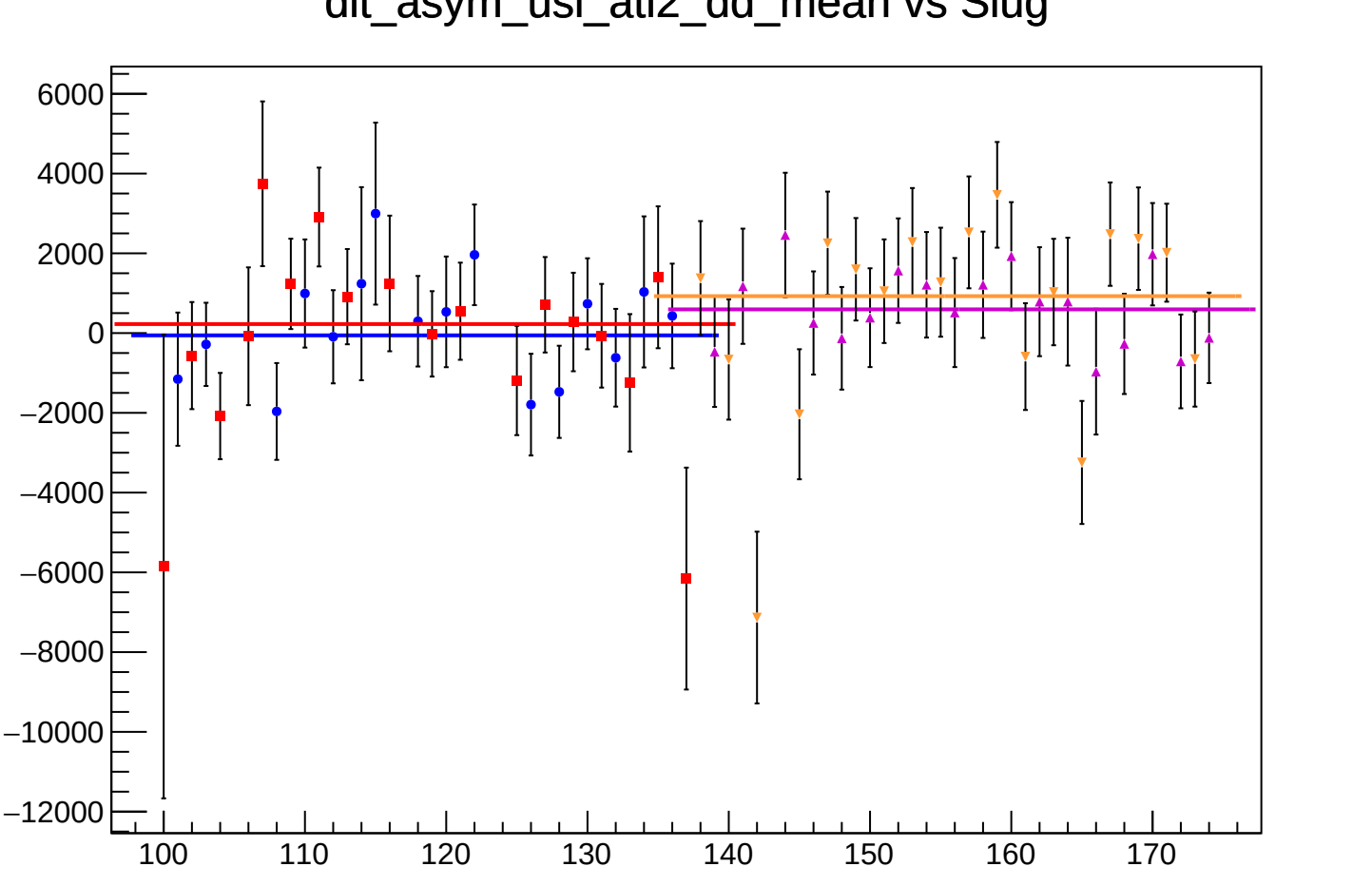
Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3975.308+/-0.744 χ^2/NDF:1061171.1/17

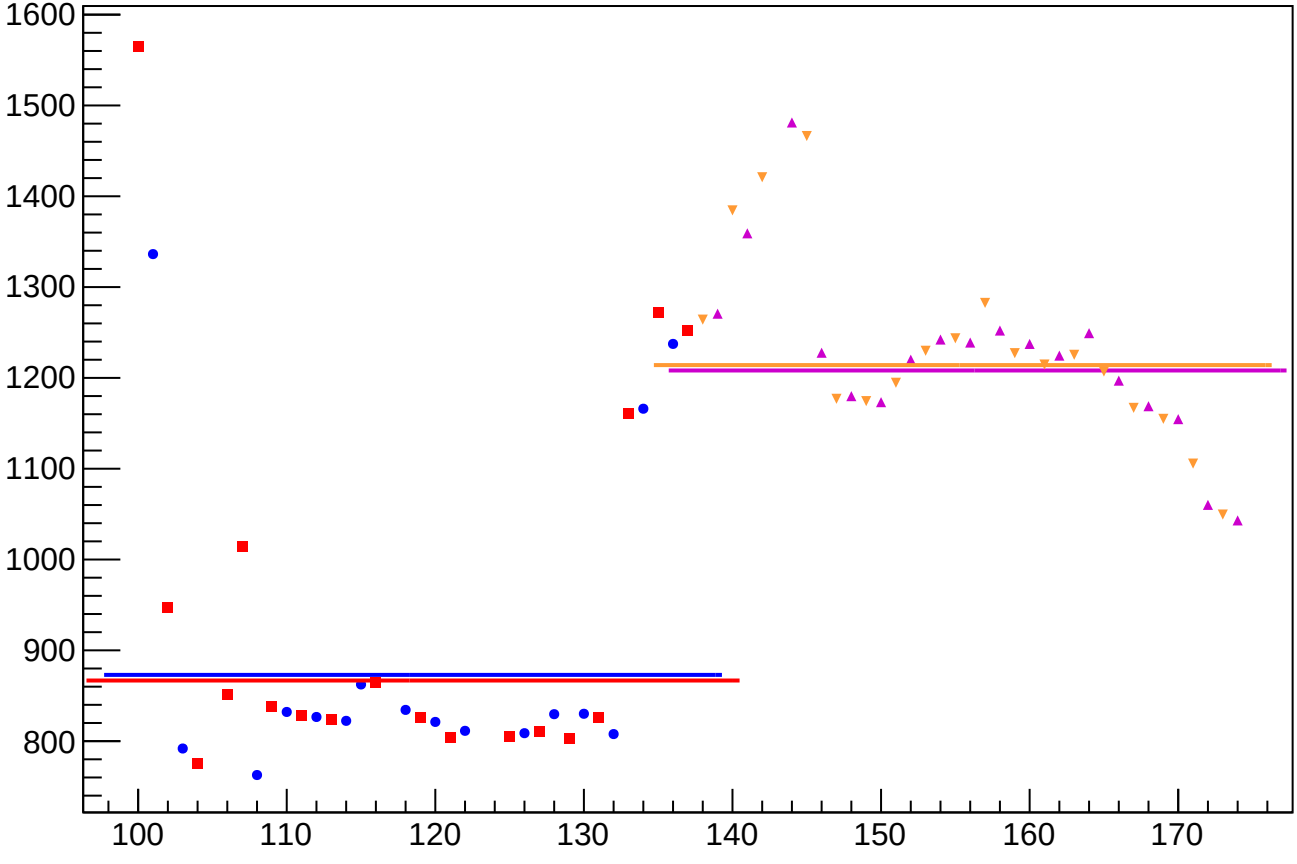
+ sign 3205.632+/-0.513 χ^2/NDF: 3334406.0/33

All: 3152.306+/-0.354 χ^2/NDF: 7275367.6/69

- sign 3103.519+/-0.490 χ^2/NDF: 3920250.2/35


dit_asym_usl_atl2_dd_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: -57.208+/-330.088 χ²/NDF: 13.0/15
Left Out: 926.307+/-323.084 χ²/NDF:39.7/17
Right Out: 226.075+/-328.069 χ²/NDF: 22.9/17
Left In: 594.625+/-314.212 χ²/NDF:8.8/17
+ sign 445.095+/-230.891 χ²/NDF: 57.2/33
All: 431.464+/-161.843 χ²/NDF: 89.7/69
- sign 418.297+/-226.922 χ²/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: 1214.105+/-0.228 χ^2/NDF:165196.5/17

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

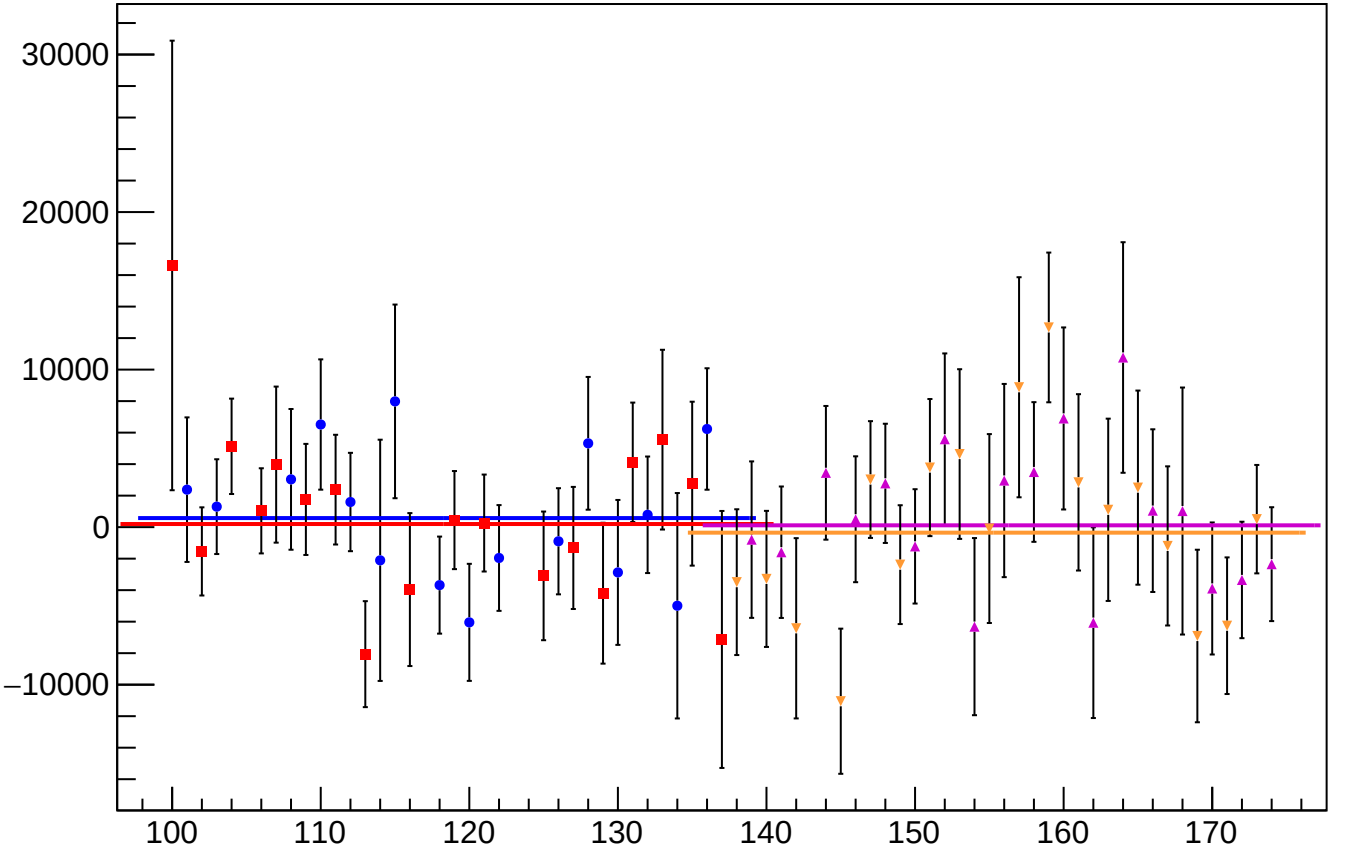
Left In: 1208.164+/-0.222 χ^2/NDF:176945.0/17

+ sign 1047.196+/-0.163 χ^2/NDF: 1673246.7/33

All: 1045.906+/-0.114 χ^2/NDF: 3271440.6/69

- 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: -350.658+/-1118.532 χ^2/NDF:23.6/17

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

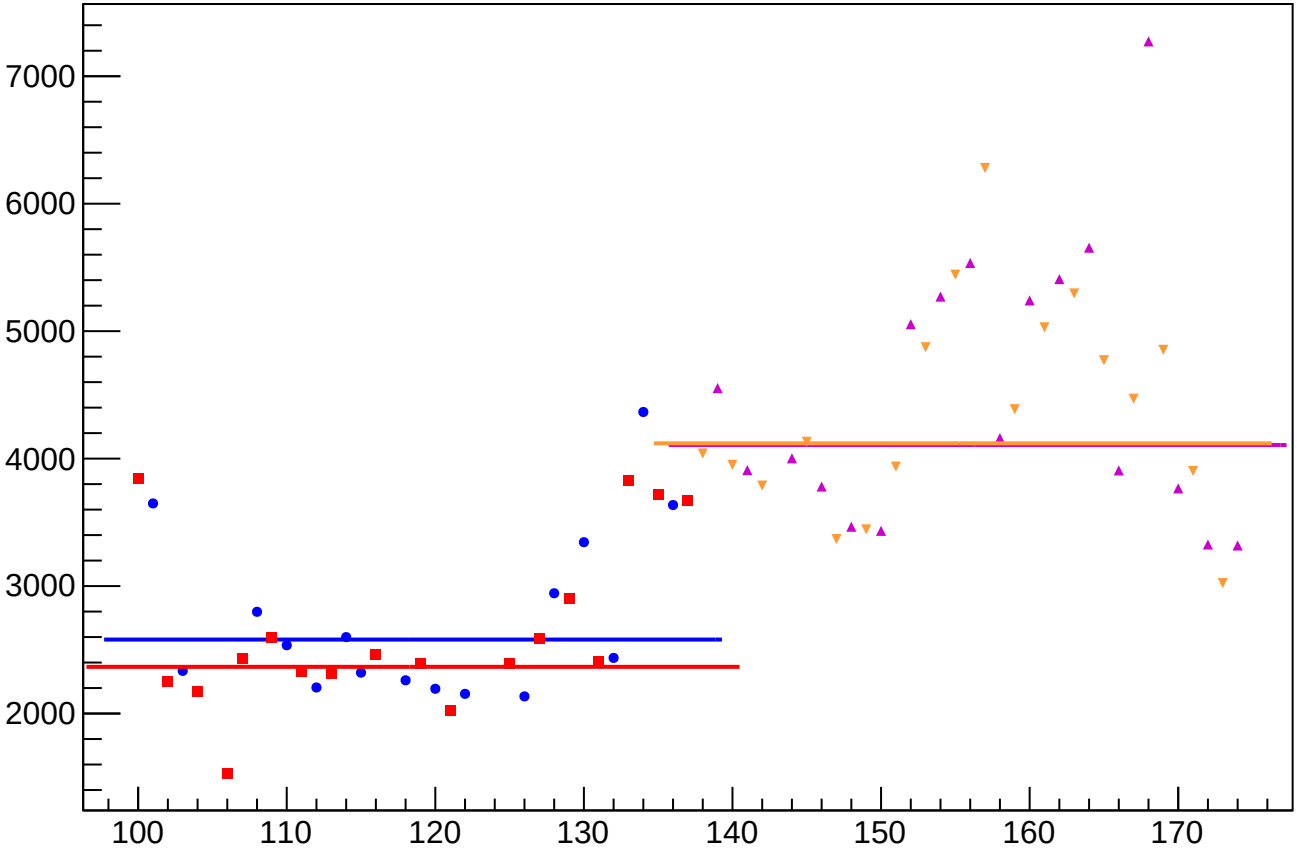
Left In: 115.271+/-1090.319 χ^2/NDF:11.4/17

\+ sign 170.900+/-739.179 χ^2/NDF: 38.6/33

All: 167.597+/-504.931 χ^2/NDF: 67.2/69

\- 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: 4120.015+/-0.791 χ^2/NDF:906036.2/17

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

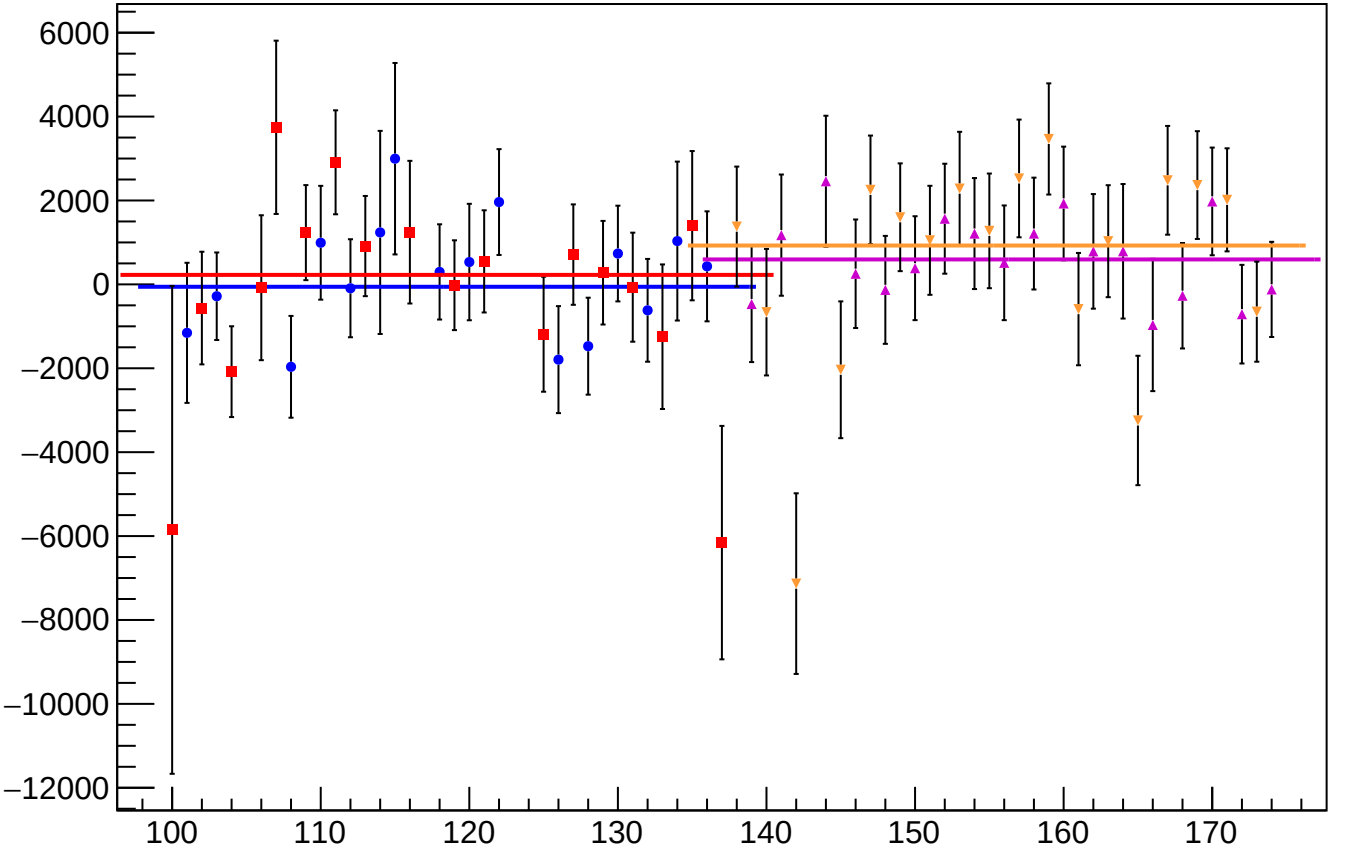
Left In: 4106.626+/-0.771 χ^2/NDF:1202350.3/17

+ sign 3252.766+/-0.523 χ^2/NDF: 3657688.9/33

All: 3153.220+/-0.357 χ^2/NDF: 8585982.5/69

- 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: 926.306+/-323.084 χ^2/NDF:39.7/17

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

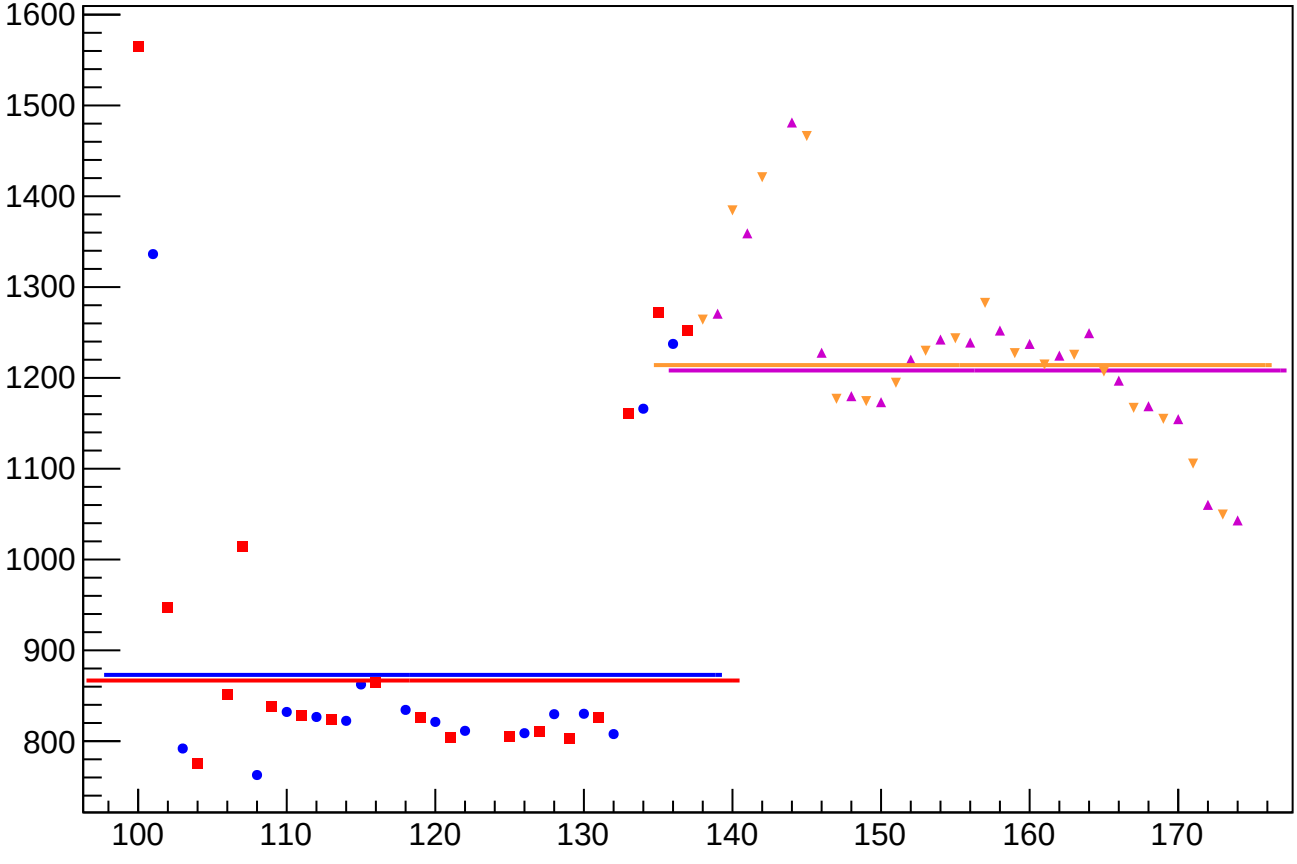
Left In: 594.622+/-314.212 χ^2/NDF:8.8/17

+ sign 445.093+/-230.891 χ^2/NDF: 57.2/33

All: 431.463+/-161.843 χ^2/NDF: 89.7/69

- 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: 1214.105+/-0.228 χ^2/NDF:165203.7/17

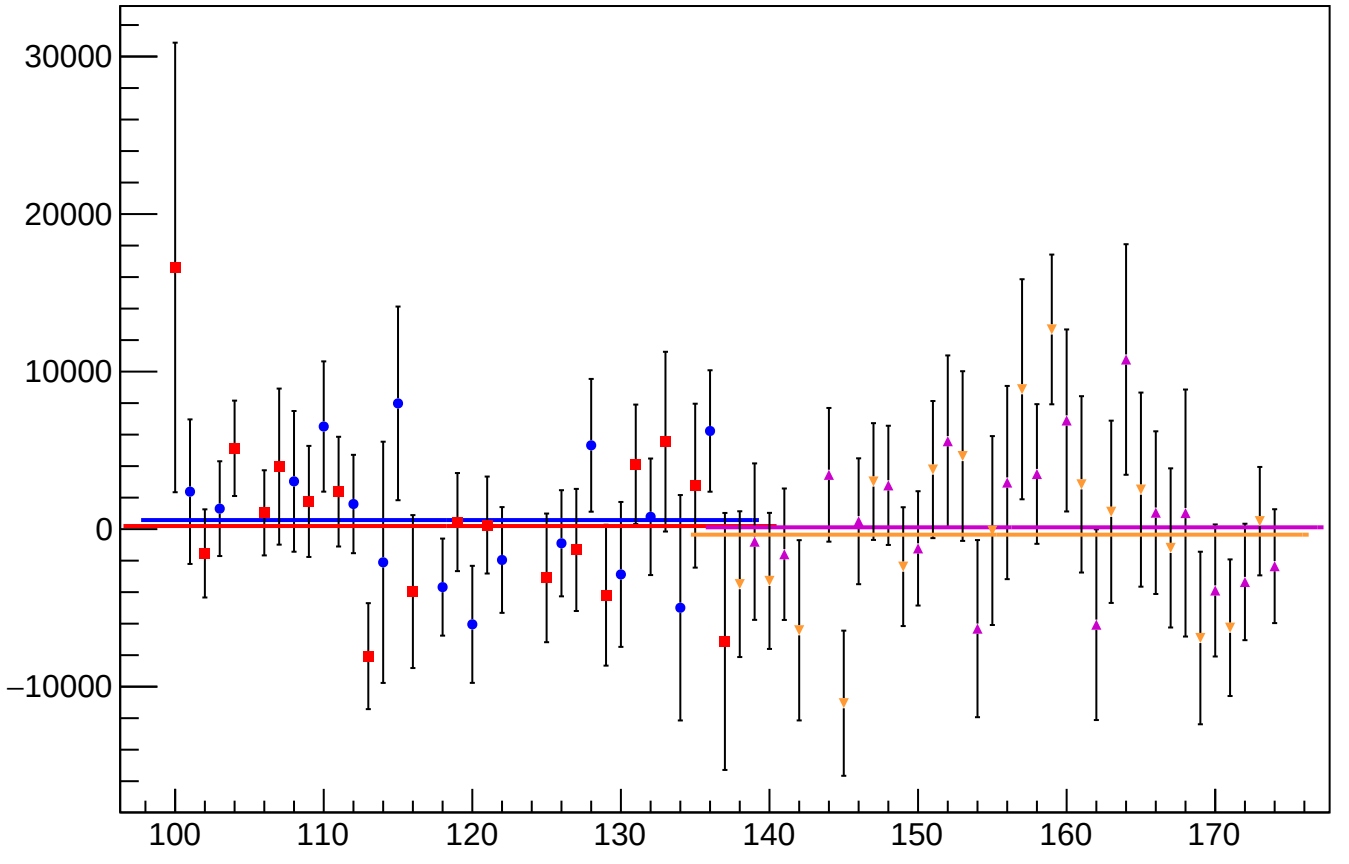
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1208.164+/-0.222 χ^2/NDF:176951.9/17

+ sign 1047.196+/-0.163 χ^2/NDF: 1673253.3/33

All: 1045.906+/-0.114 χ^2/NDF: 3271454.8/69

- 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: -350.657+/-1118.534 χ^2/NDF:23.6/17

Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

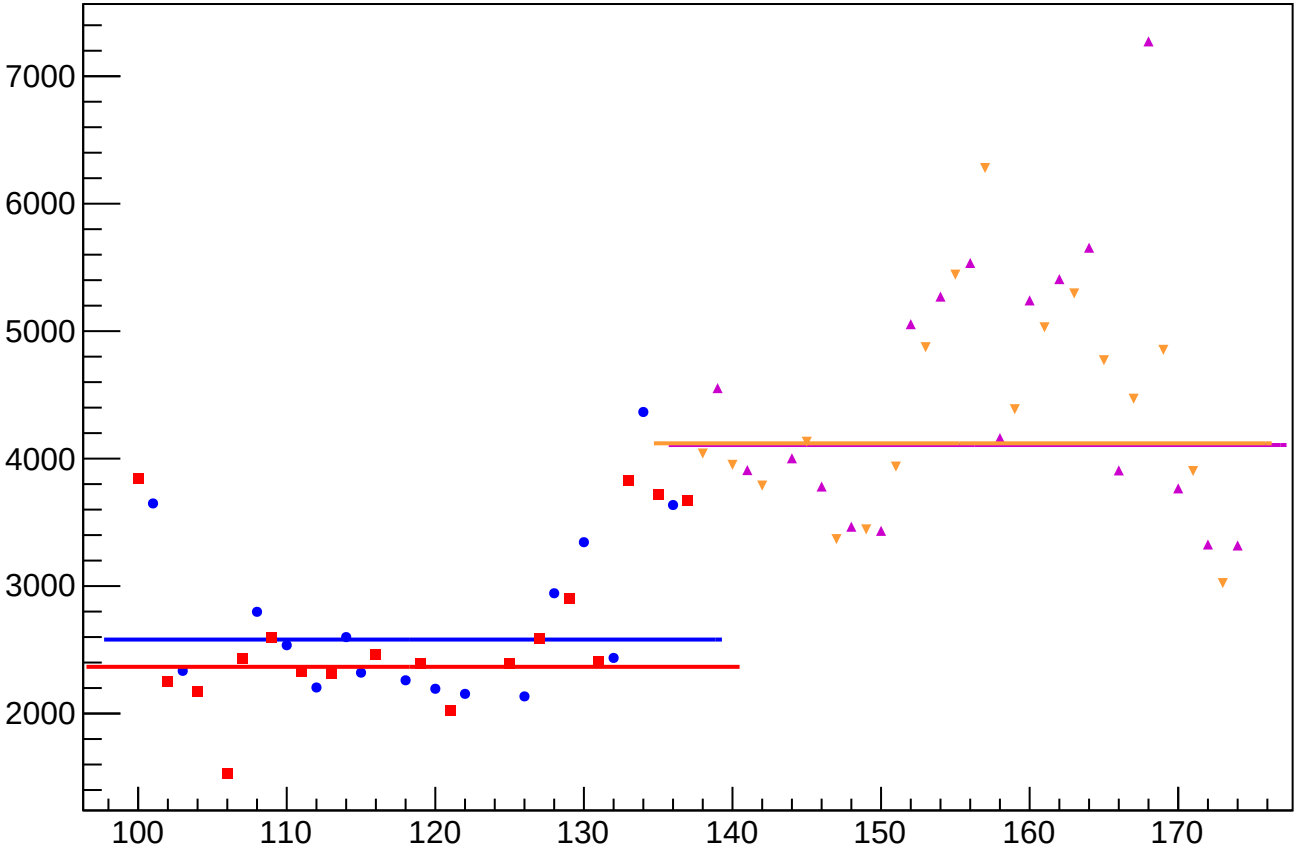
Left In: 115.271+/-1090.320 χ^2/NDF:11.4/17

\+ sign 170.900+/-739.178 χ^2/NDF: 38.6/33

All: 167.598+/-504.931 χ^2/NDF: 67.2/69

\- 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: 4120.023+/-0.791 χ^2/NDF:906034.3/17

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

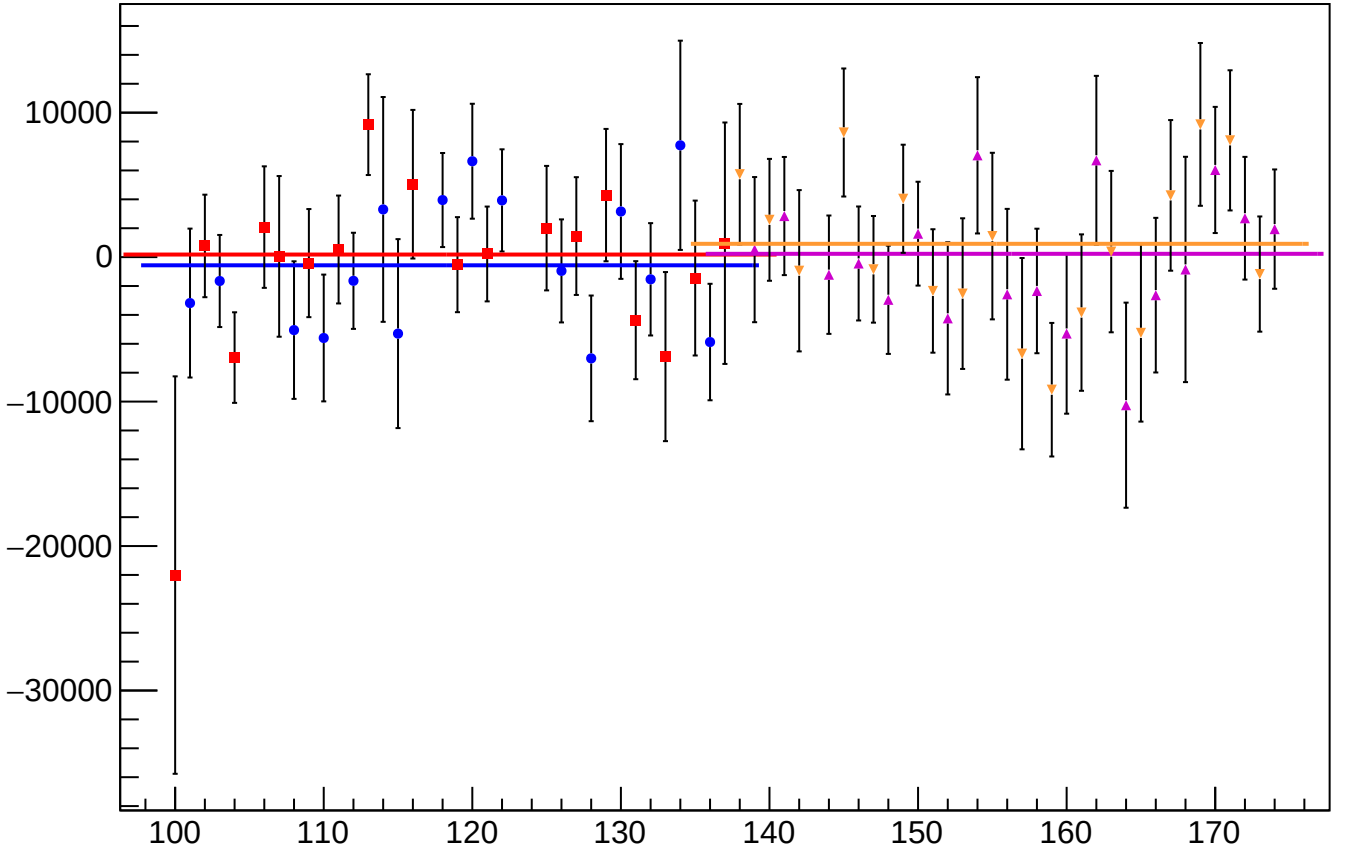
Left In: 4106.633+/-0.771 χ^2/NDF:1202350.0/17

+ sign 3252.761+/-0.523 χ^2/NDF: 3657740.6/33

All: 3153.215+/-0.357 χ^2/NDF: 8586086.7/69

- sign 3066.128+/-0.489 χ^2/NDF: 4860340.9/35

asym_usl_atl2_dd_mean vs Slug



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 921.051+/-1129.516 χ^2/NDF:19.1/17

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

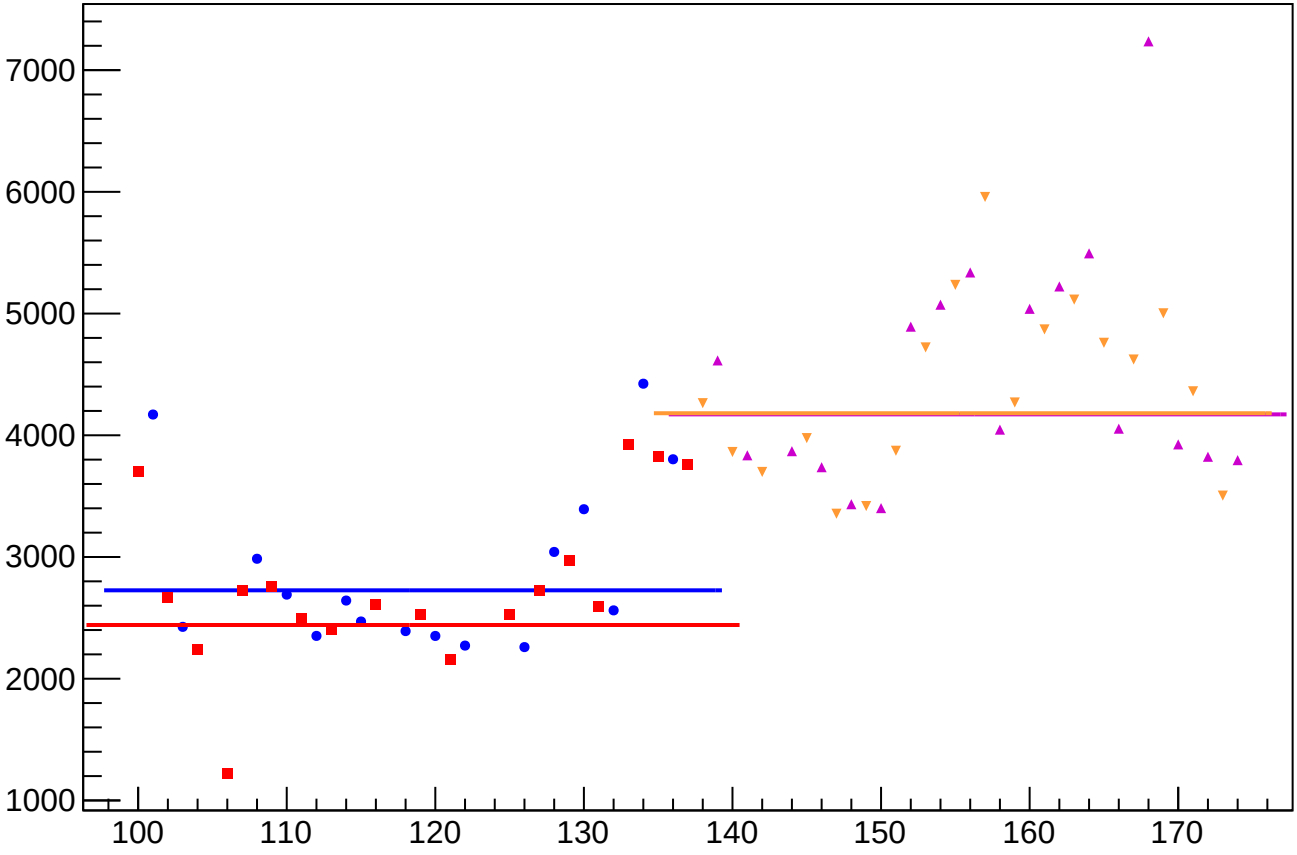
Left In: 228.539+/-1101.675 χ^2/NDF:11.3/17

\+ sign 116.443+/-765.208 χ^2/NDF: 36.3/33

All: 160.312+/-530.343 χ^2/NDF: 67.1/69

\- 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: 4181.130+/-0.799 χ^2/NDF:680920.6/17

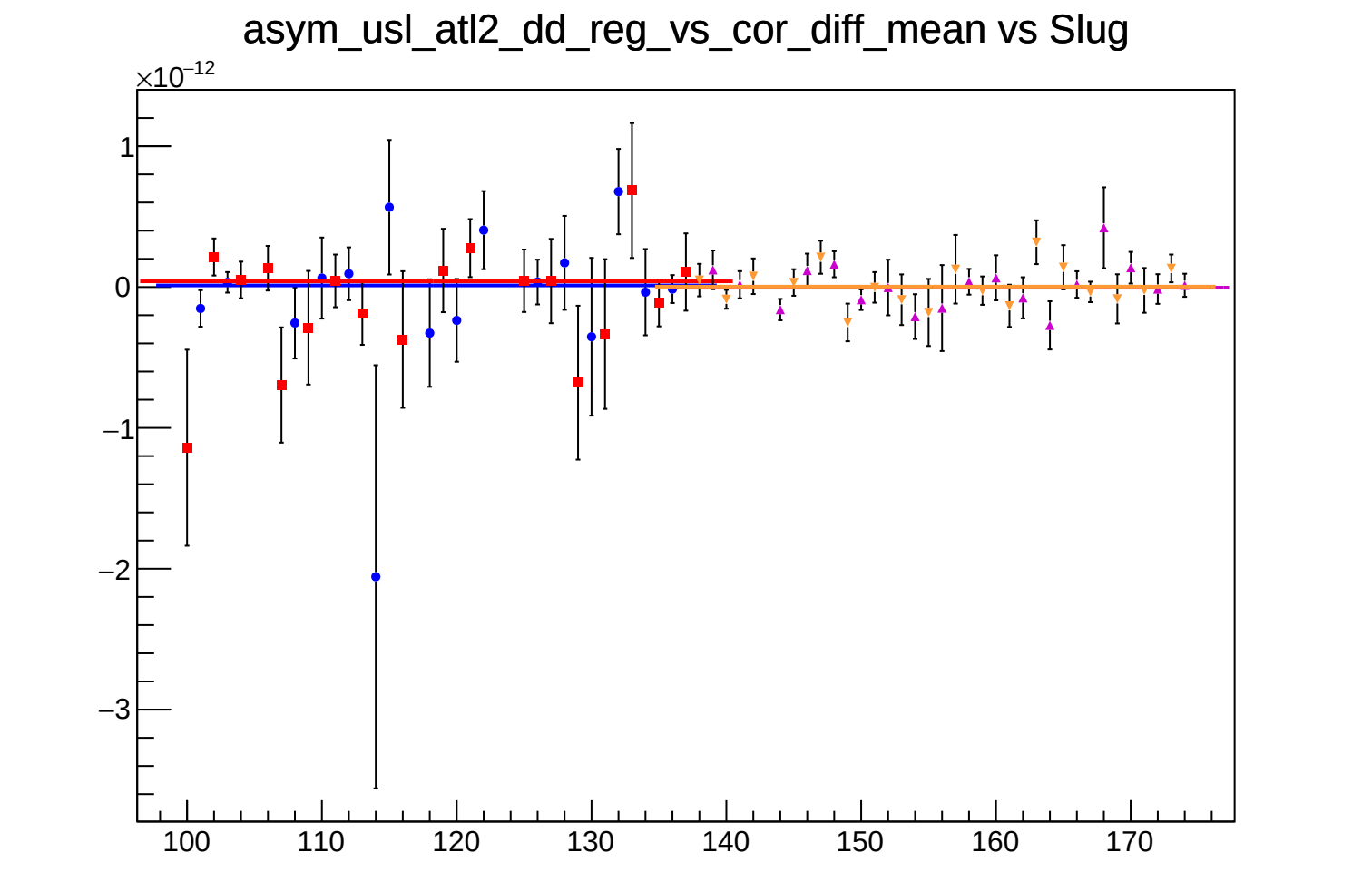
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4171.777+/-0.779 χ^2/NDF:935158.6/17

+ sign 3393.969+/-0.541 χ^2/NDF: 3099316.7/33

All: 3276.366+/-0.370 χ^2/NDF: 7861523.2/69

- 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:18.3/17

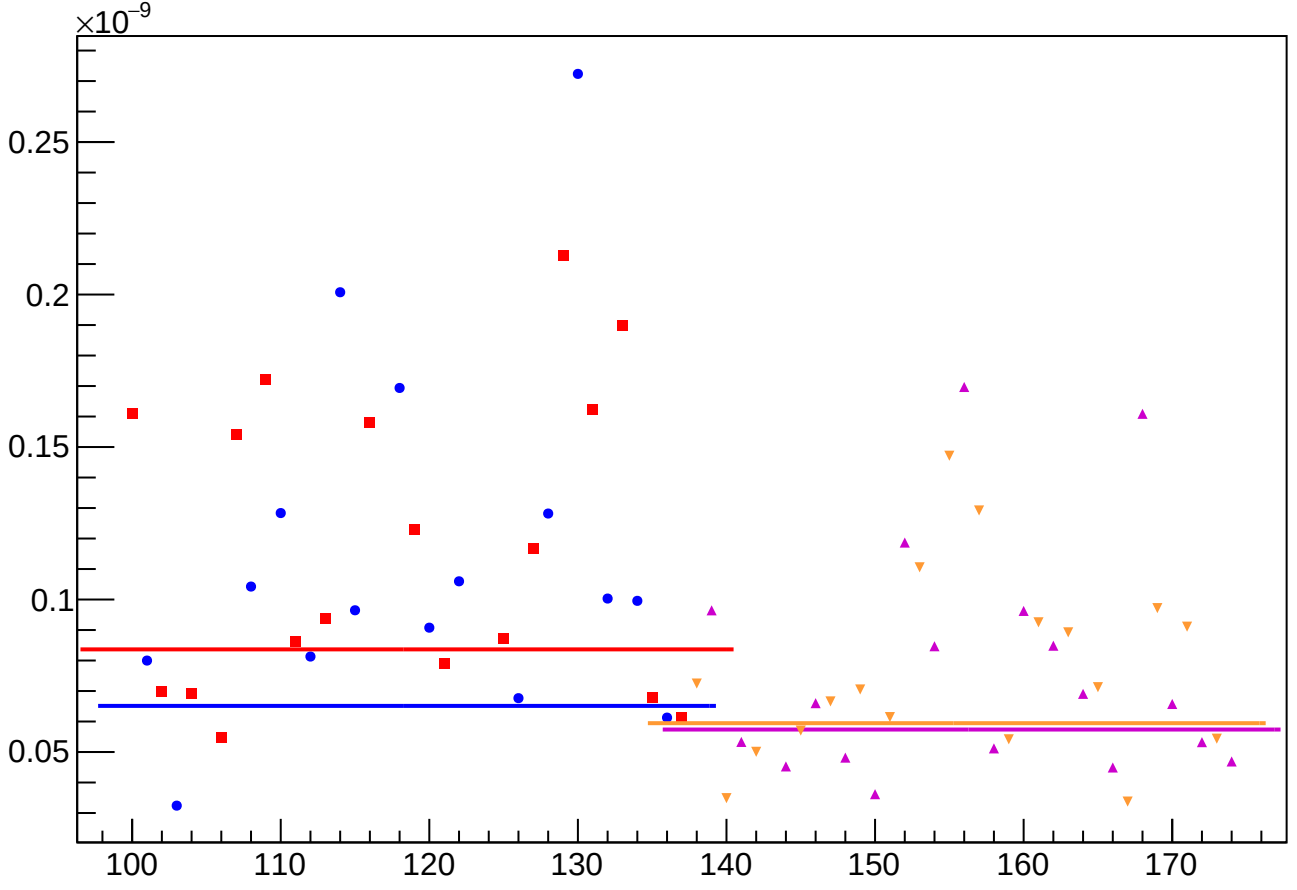
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:19.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 33.7/33

All: 0.000+/-0.000 χ^2/NDF: 70.9/69

- 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:1542950.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

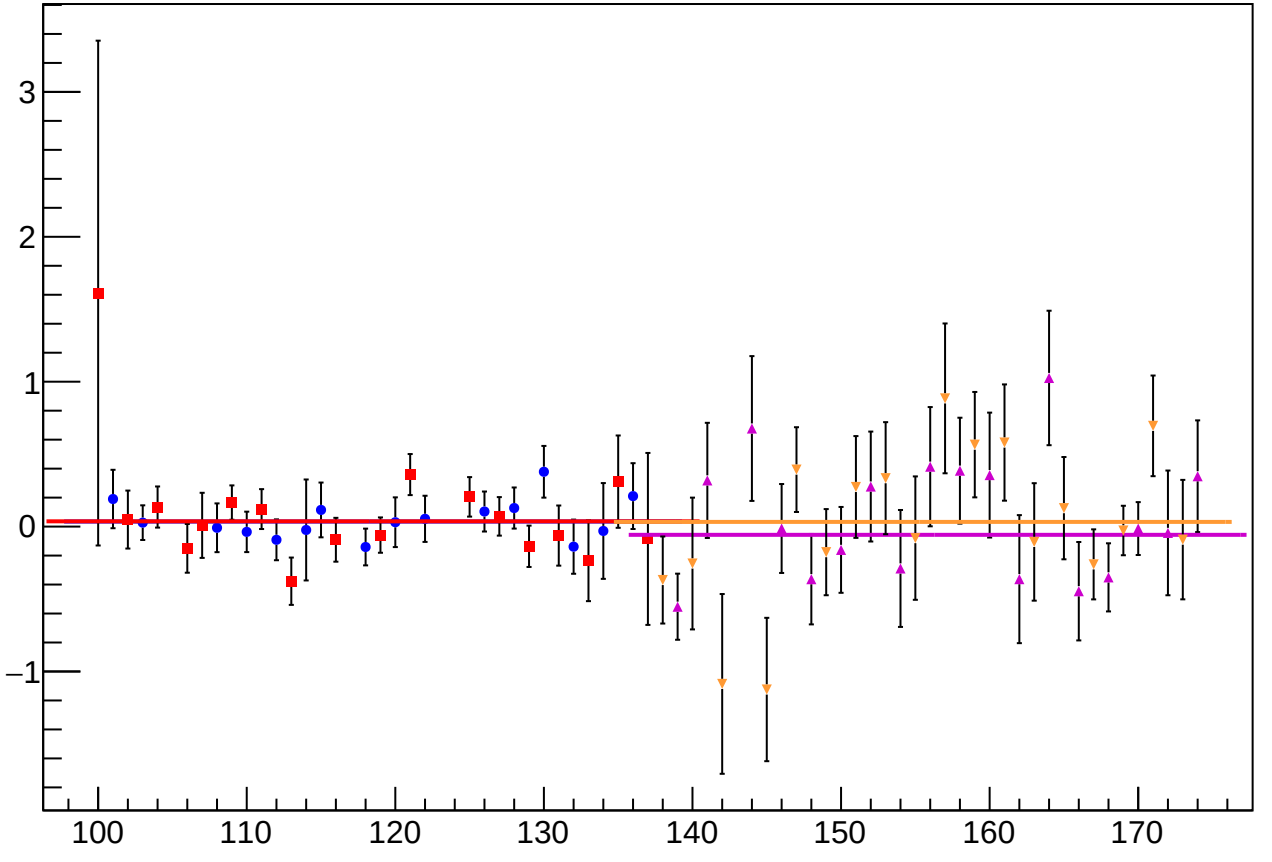
Left In: 0.000+/-0.000 χ^2/NDF:1486931.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 2789498.0/33

All: 0.000+/-0.000 χ^2/NDF: 5363659.8/69

- 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: 0.032+/-0.078 χ^2/NDF:26.3/17

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

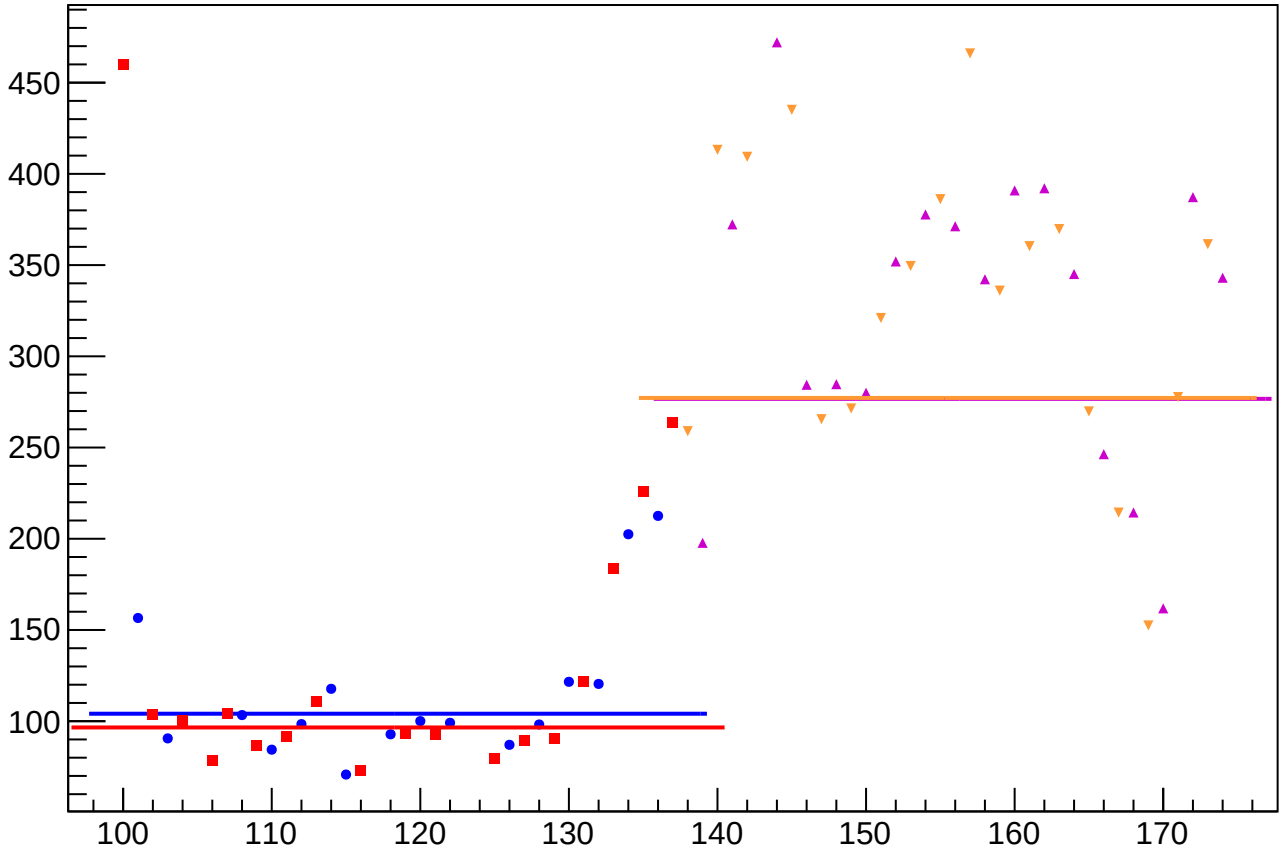
Left In: -0.057+/-0.076 χ^2/NDF:23.6/17

+ sign 0.034+/-0.036 χ^2/NDF: 36.1/33

All: 0.025+/-0.025 χ^2/NDF: 83.0/69

- 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: 277.187+/-0.055 χ^2/NDF:2512742.4/17

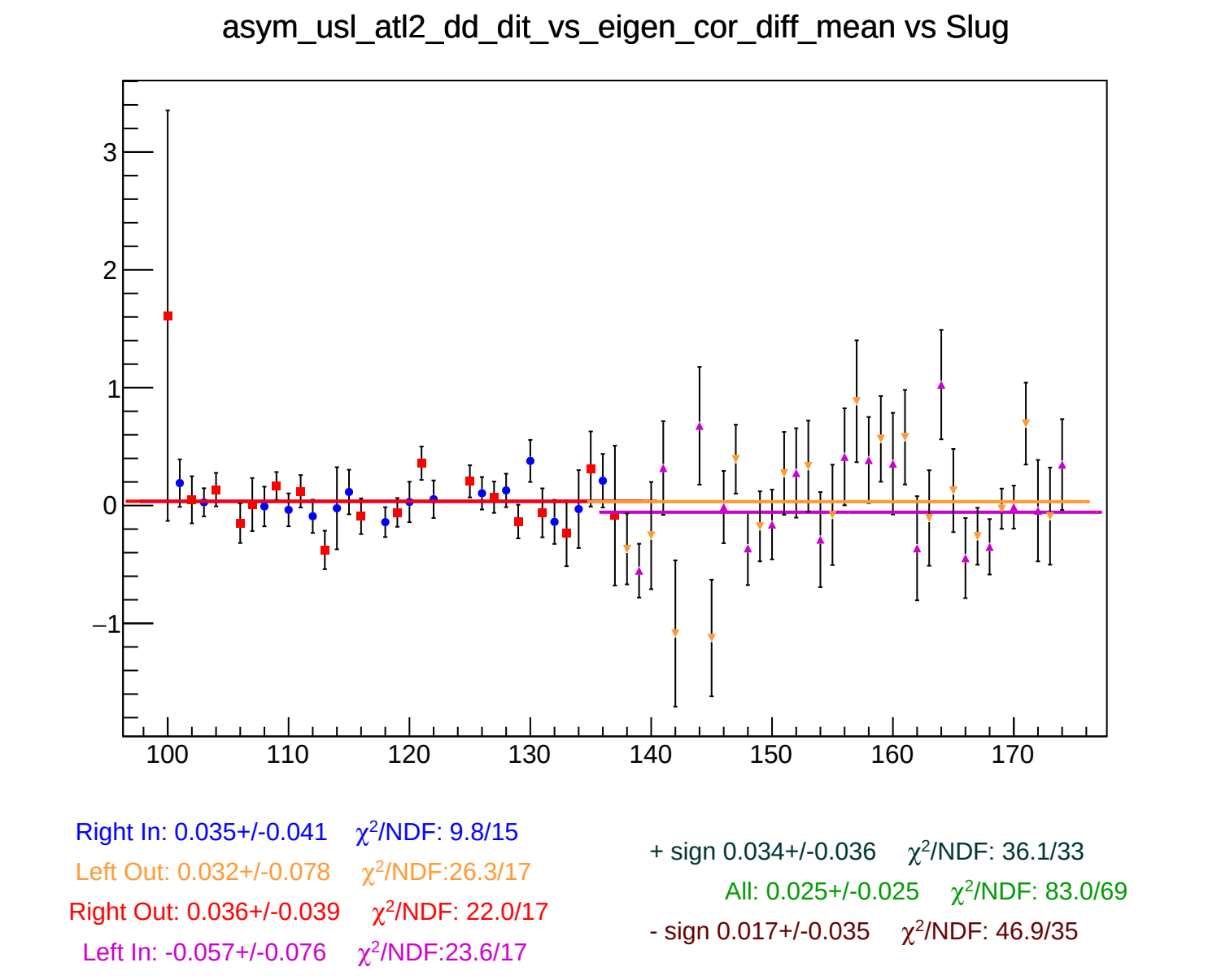
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 276.683+/-0.054 χ^2/NDF:2498197.5/17

+ sign 141.395+/-0.026 χ^2/NDF: 11171628.9/33

All: 137.432+/-0.018 χ^2/NDF: 23541284.1/69

- sign 133.831+/-0.024 χ^2/NDF: 12324263.1/35


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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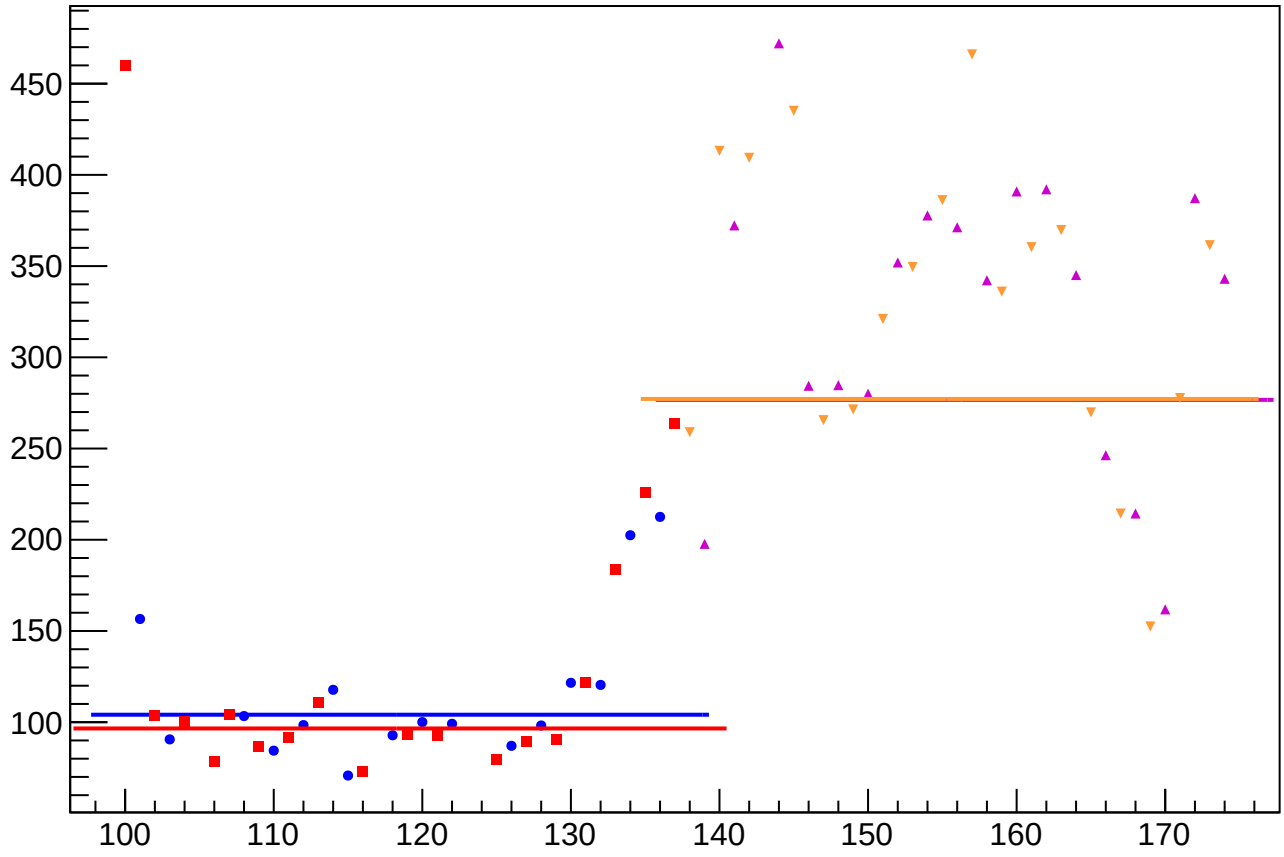
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.032+/-0.078 χ²/NDF:26.3/17
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.057+/-0.076 χ²/NDF:23.6/17
+ sign 0.034+/-0.036 χ²/NDF: 36.1/33
All: 0.025+/-0.025 χ²/NDF: 83.0/69
- sign 0.017+/-0.035 χ²/NDF: 46.9/35



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 277.187+/-0.055 χ^2/NDF:2512742.4/17

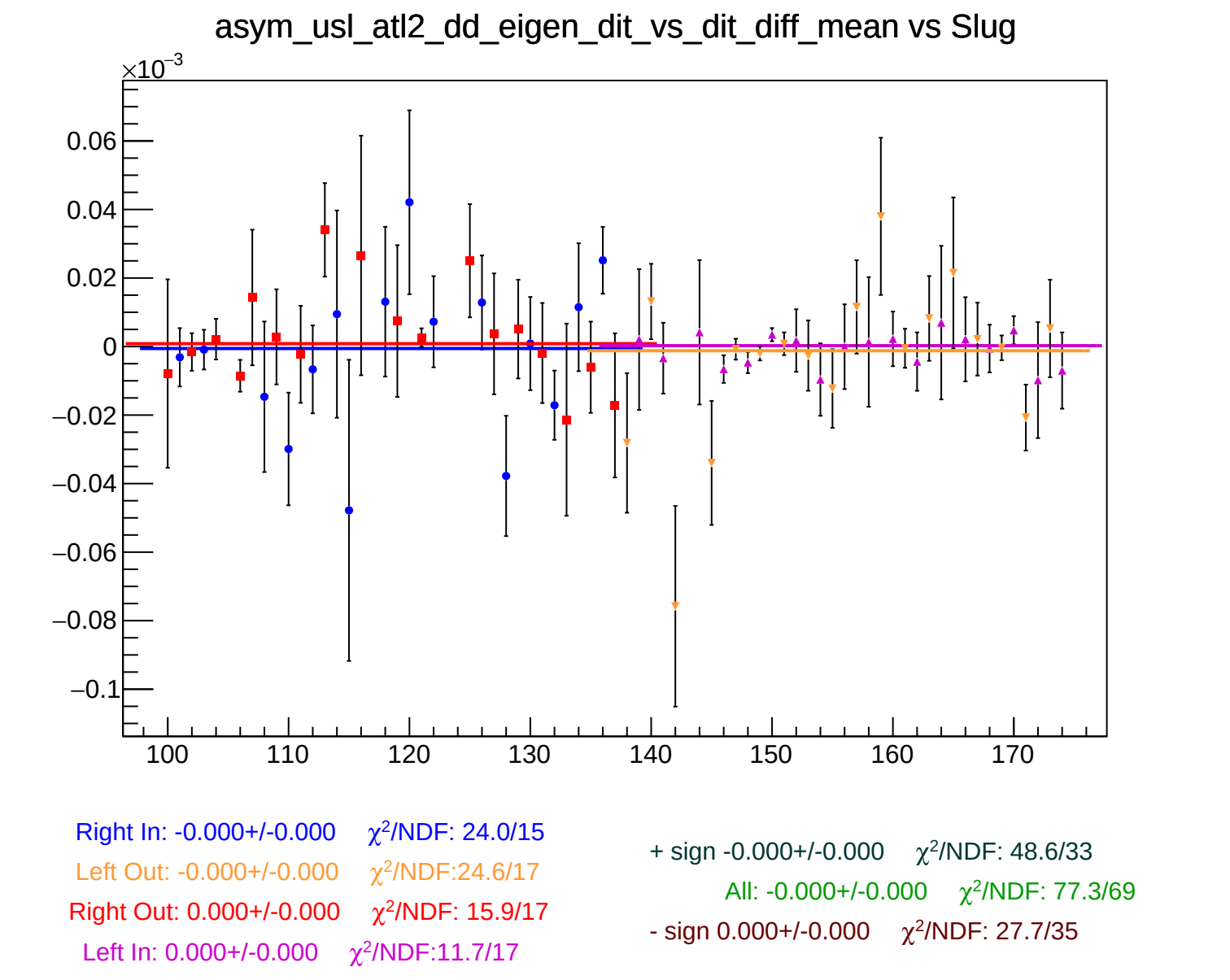
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 276.683+/-0.054 χ^2/NDF:2498197.5/17

+ sign 141.395+/-0.026 χ^2/NDF: 11171628.9/33

All: 137.432+/-0.018 χ^2/NDF: 23541284.1/69

- 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
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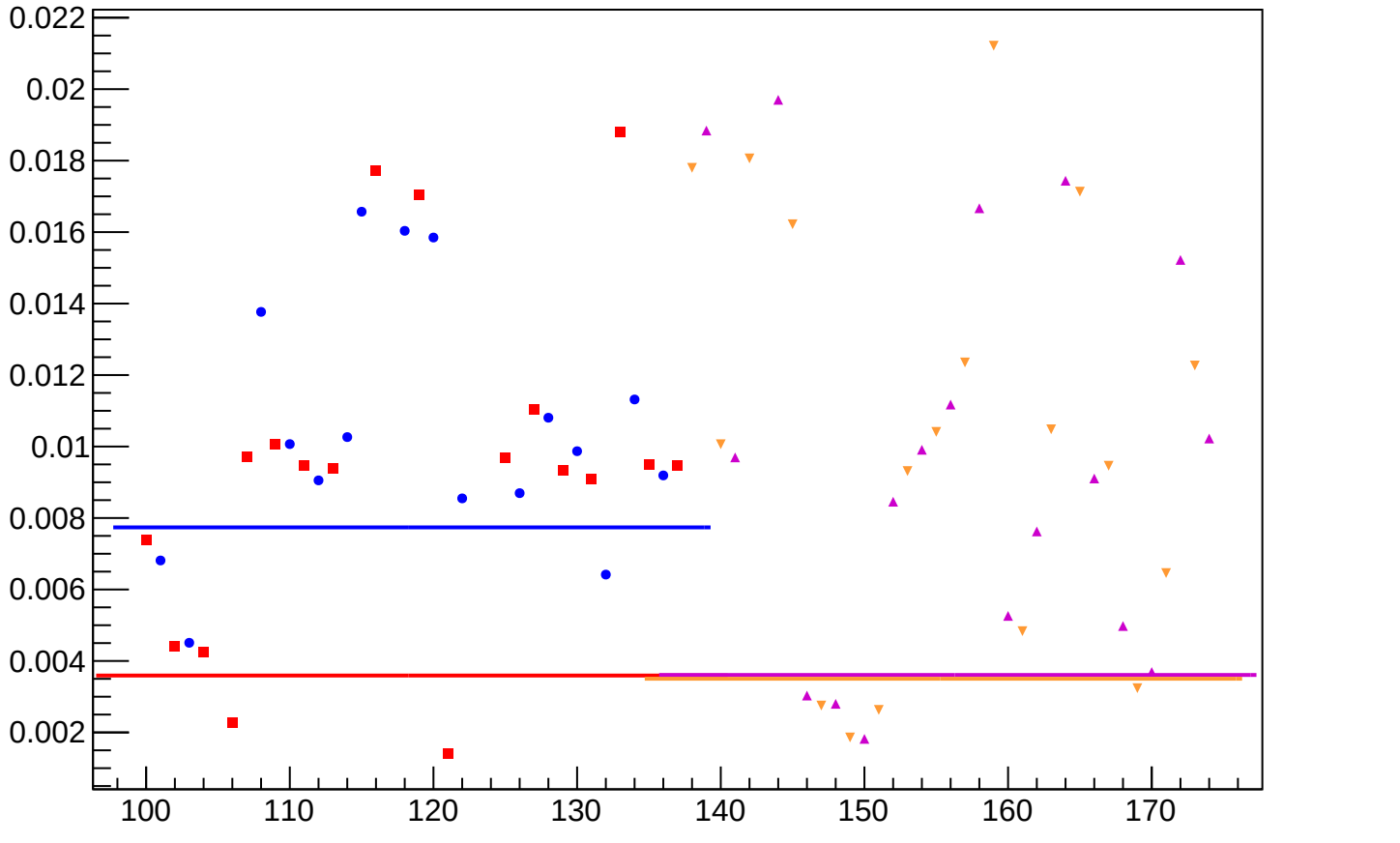
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:24.6/17
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: 0.000+/-0.000 χ²/NDF:11.7/17
+ sign -0.000+/-0.000 χ²/NDF: 48.6/33
All: -0.000+/-0.000 χ²/NDF: 77.3/69
- sign 0.000+/-0.000 χ²/NDF: 27.7/35



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:11238901.8/17

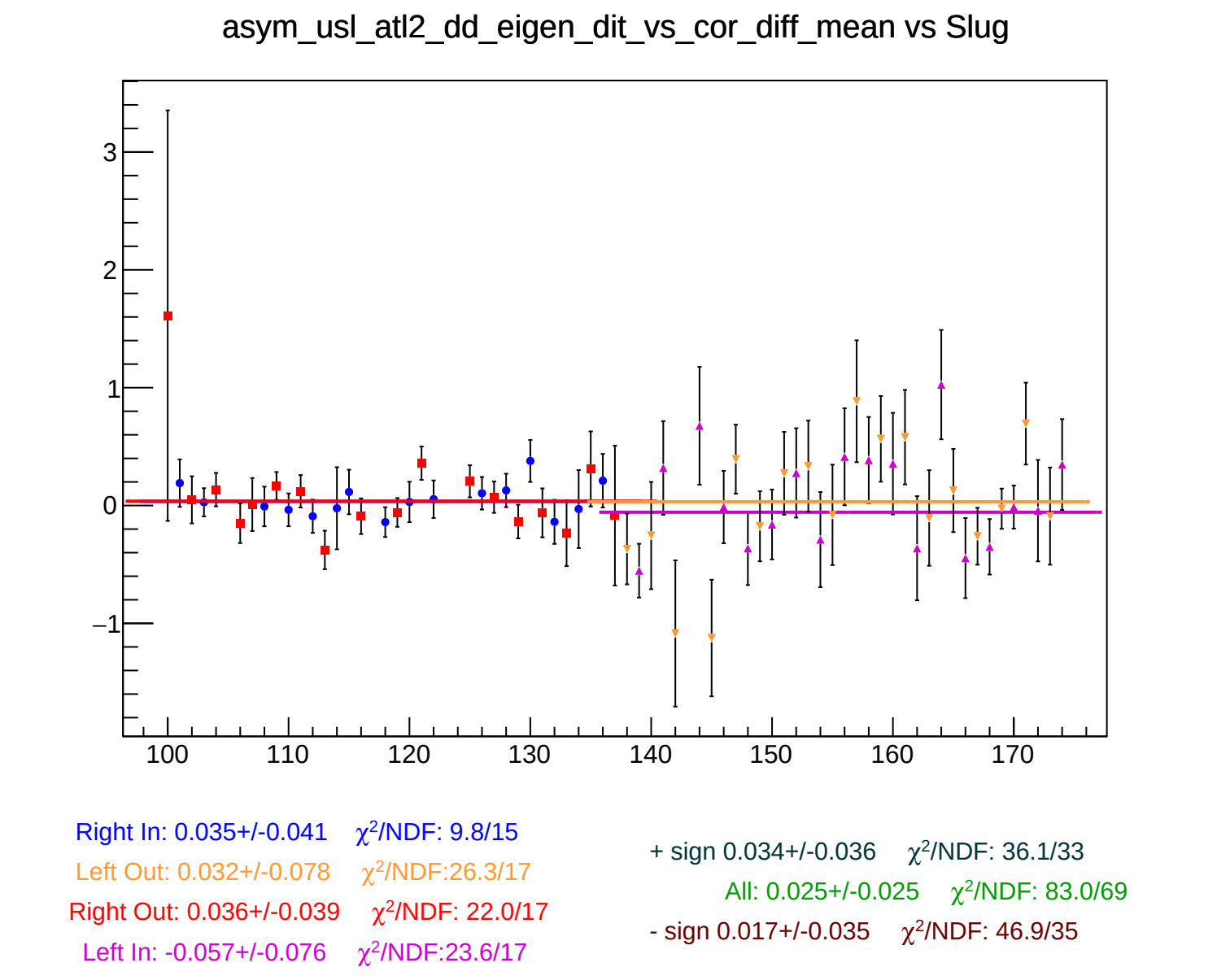
Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:11262711.6/17

+ sign 0.004+/-0.000 χ^2/NDF: 16115989.7/33

All: 0.004+/-0.000 χ^2/NDF: 33948748.7/69

- sign 0.004+/-0.000 χ^2/NDF: 17627692.0/35


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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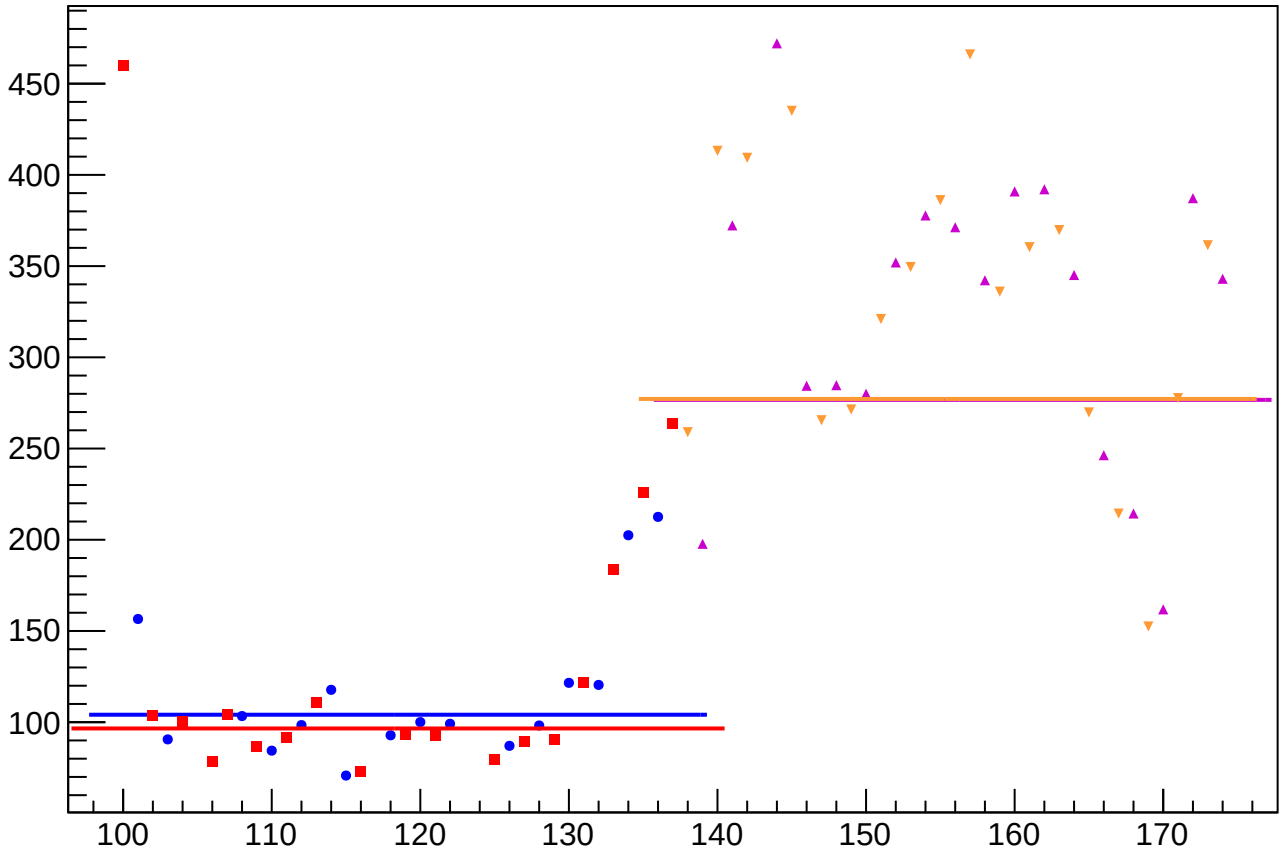
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.032+/-0.078 χ²/NDF:26.3/17
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.057+/-0.076 χ²/NDF:23.6/17
+ sign 0.034+/-0.036 χ²/NDF: 36.1/33
All: 0.025+/-0.025 χ²/NDF: 83.0/69
- sign 0.017+/-0.035 χ²/NDF: 46.9/35



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 277.189+/-0.055 χ^2/NDF:2512805.7/17

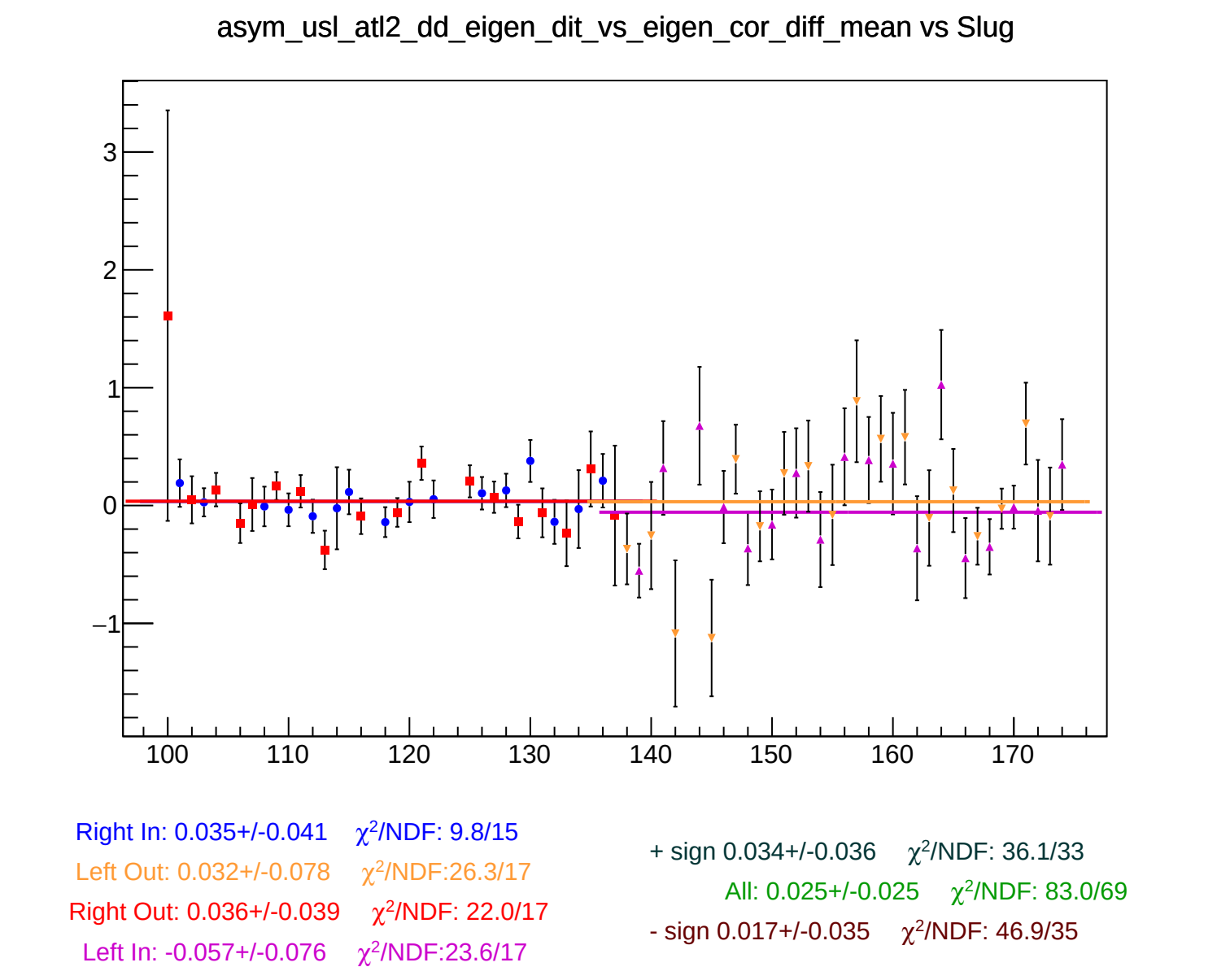
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 276.686+/-0.054 χ^2/NDF:2498152.4/17

+ sign 141.396+/-0.026 χ^2/NDF: 11171626.4/33

All: 137.433+/-0.018 χ^2/NDF: 23541159.0/69

- sign 133.833+/-0.024 χ^2/NDF: 12324148.1/35


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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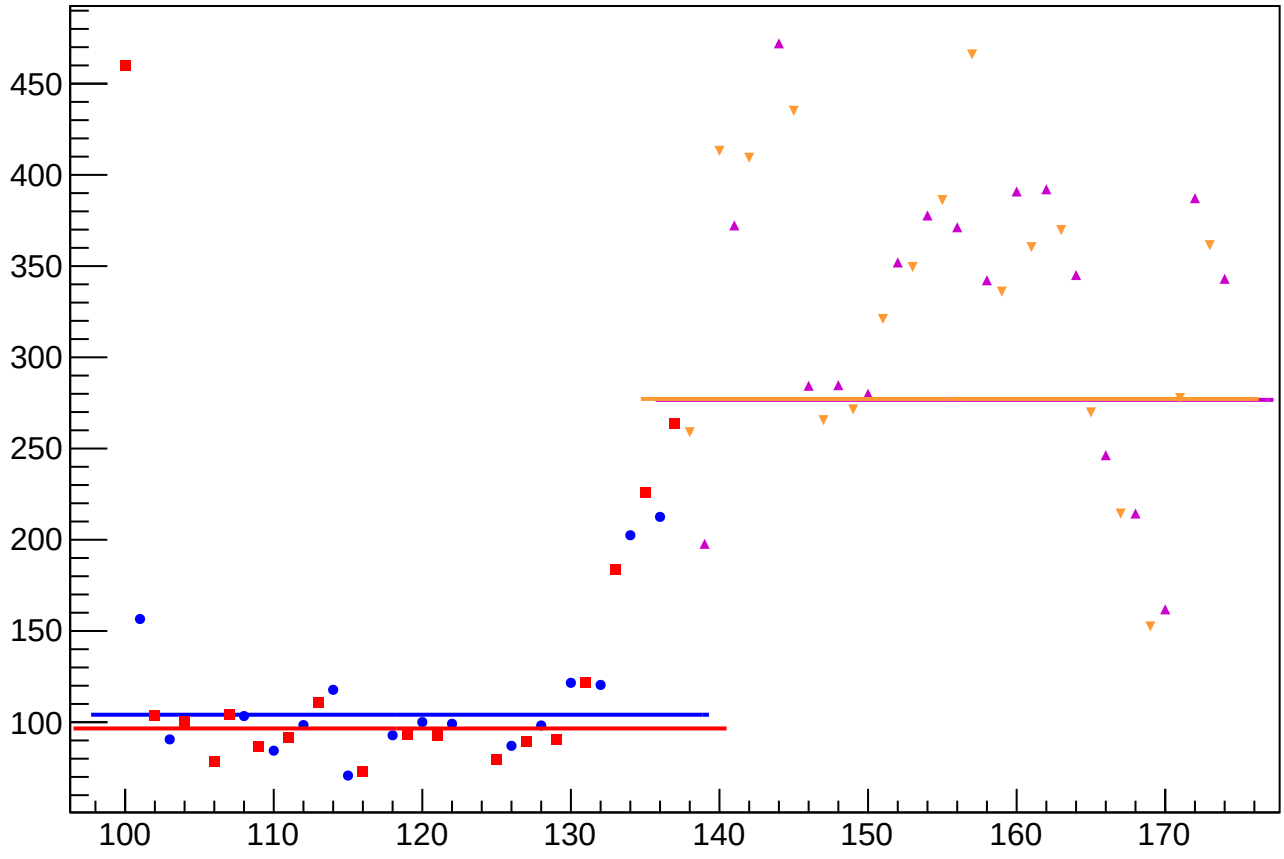
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.032+/-0.078 χ²/NDF:26.3/17
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.057+/-0.076 χ²/NDF:23.6/17
+ sign 0.034+/-0.036 χ²/NDF: 36.1/33
All: 0.025+/-0.025 χ²/NDF: 83.0/69
- sign 0.017+/-0.035 χ²/NDF: 46.9/35



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 277.189+/-0.055 χ^2/NDF:2512805.7/17

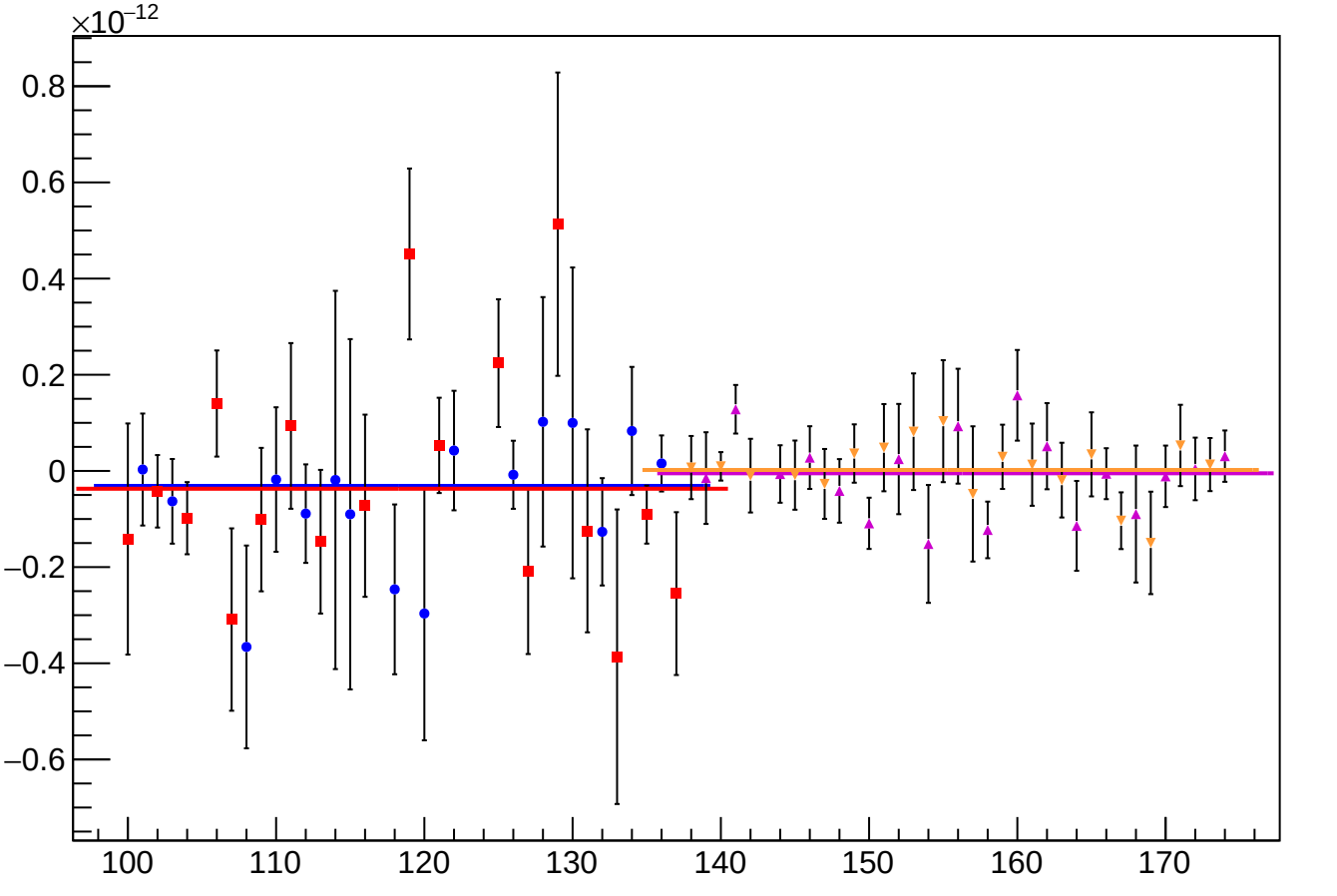
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 276.686+/-0.054 χ^2/NDF:2498152.4/17

+ sign 141.396+/-0.026 χ^2/NDF: 11171626.4/33

All: 137.433+/-0.018 χ^2/NDF: 23541159.0/69

- 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:8.1/17

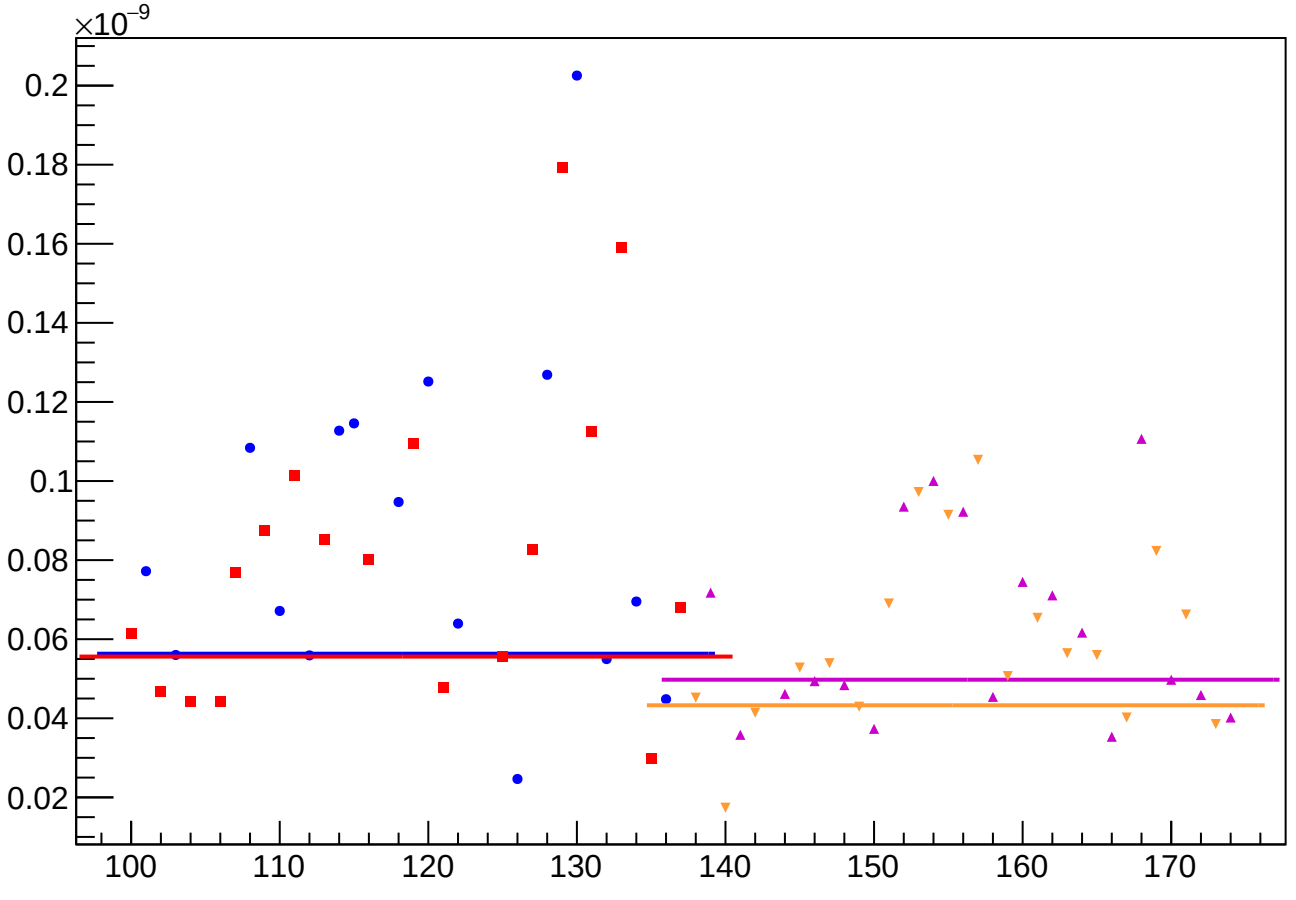
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:23.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 17.6/33

All: -0.000+/-0.000 χ^2/NDF: 68.8/69

- sign -0.000+/-0.000 χ^2/NDF: 51.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3541368.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

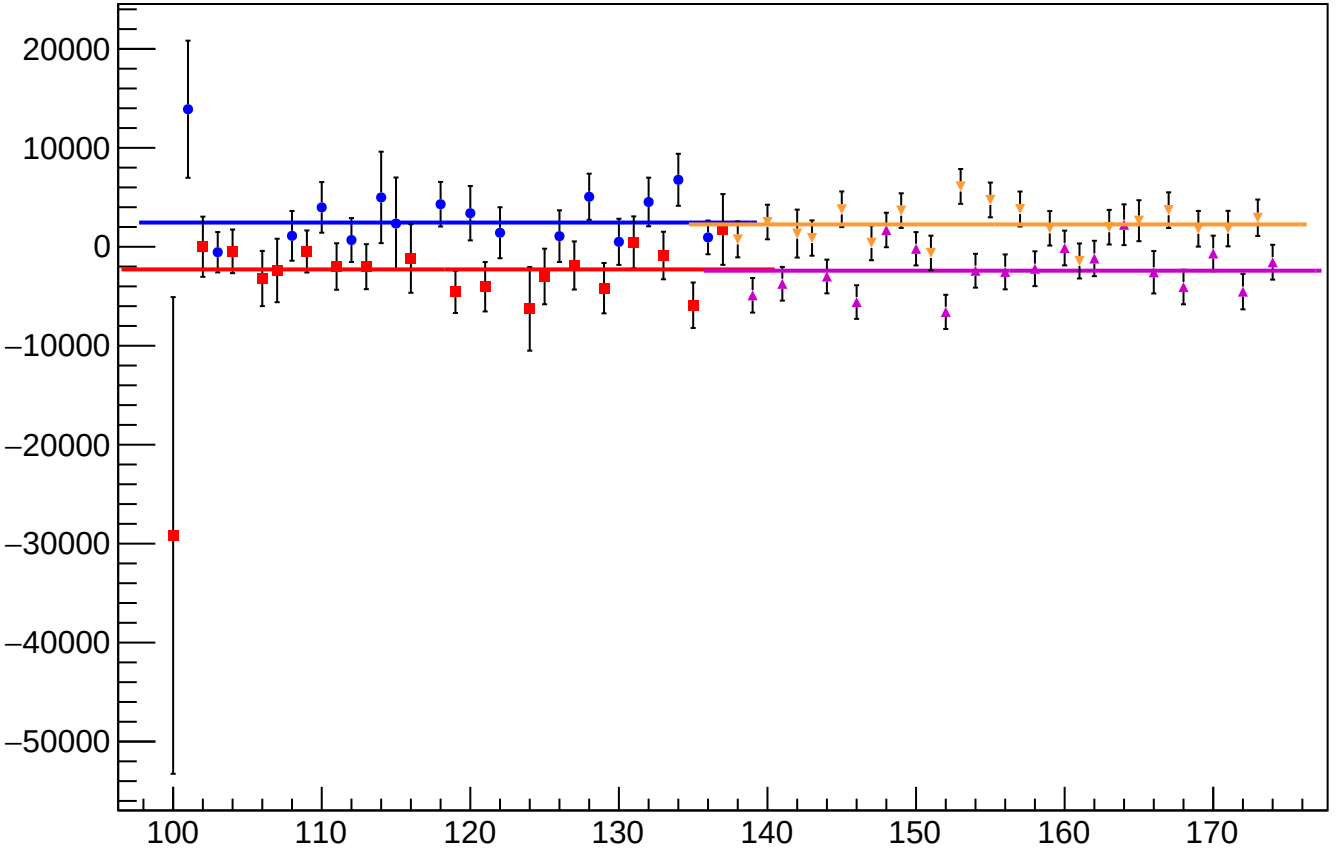
Left In: 0.000+/-0.000 χ^2/NDF:2136553.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 5427122.7/33

All: 0.000+/-0.000 χ^2/NDF: 9519713.9/69

- sign 0.000+/-0.000 χ^2/NDF: 3966409.4/35

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2262.839+/-415.348 χ^2/NDF:19.5/18

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

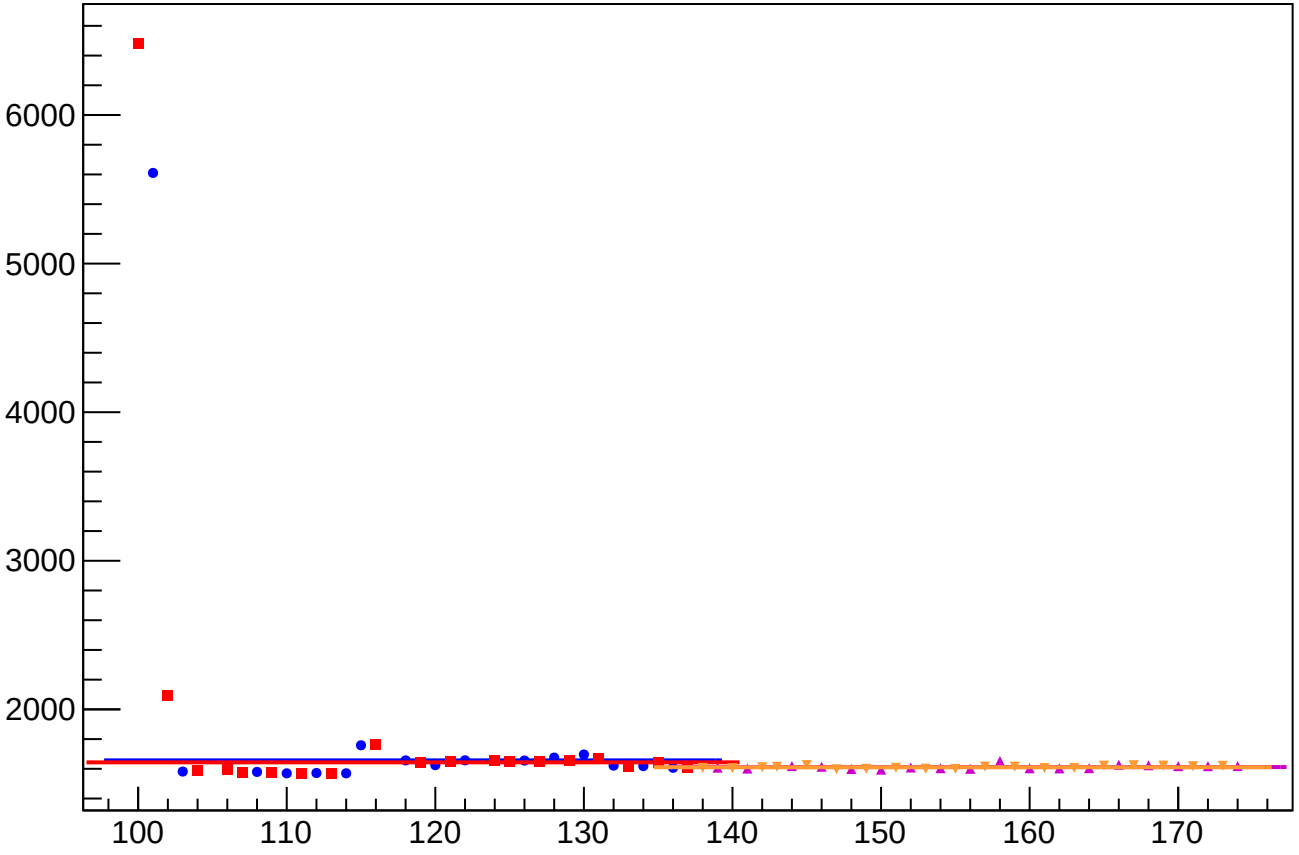
Left In: -2413.542+/-417.856 χ^2/NDF:30.1/17

+ sign 2319.500+/-346.807 χ^2/NDF: 33.4/34

All: -41.829+/-244.438 χ^2/NDF: 167.5/71

- 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: 1610.481+/-0.294 χ^2/NDF:891.3/18

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

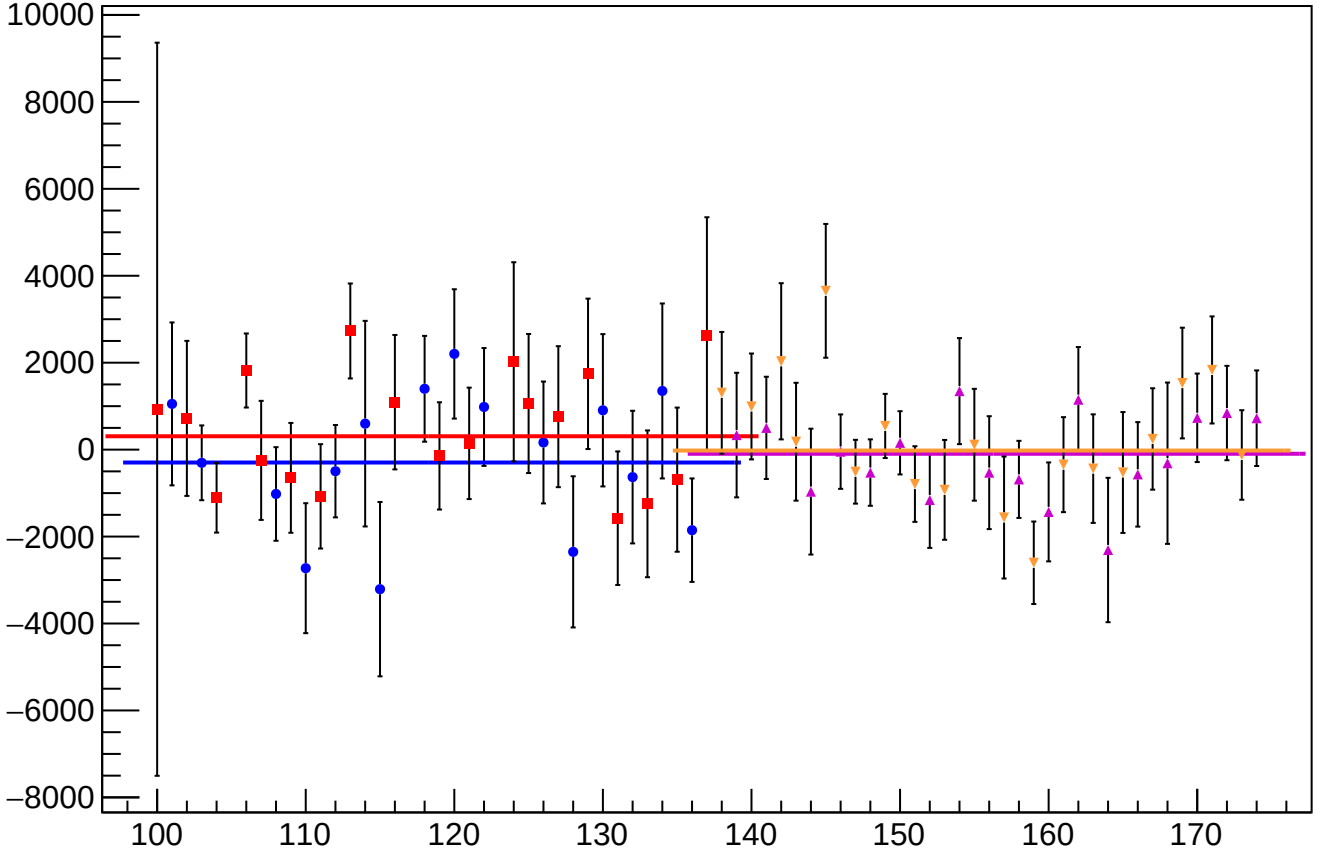
Left In: 1611.966+/-0.295 χ^2/NDF:2047.0/17

\+ sign 1624.472+/-0.245 χ^2/NDF: 674611.2/34

All: 1623.245+/-0.173 χ^2/NDF: 817334.4/71

\- 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: -21.017+/-254.793 χ^2/NDF:23.8/18

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

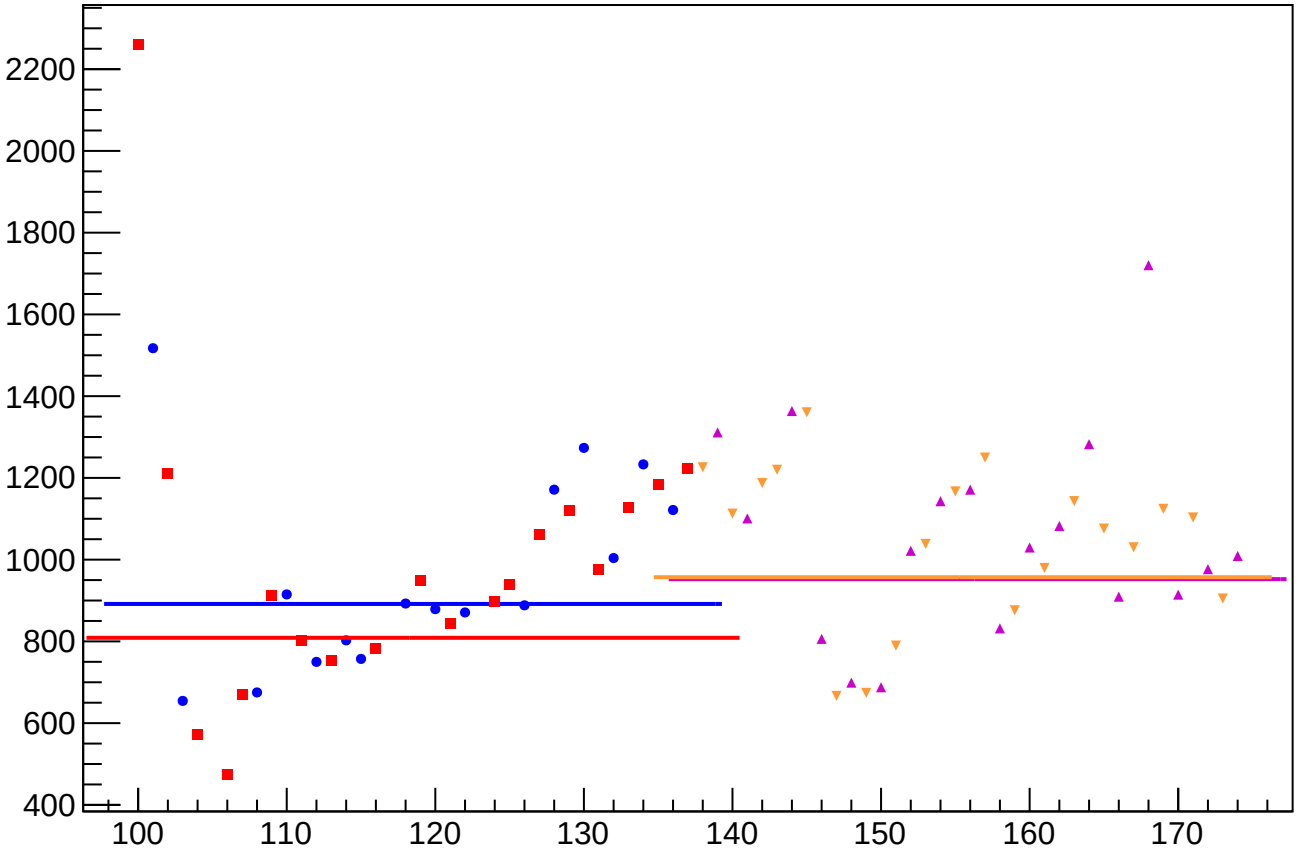
Left In: -94.994+/-254.380 χ^2/NDF:10.4/17

+ sign -118.798+/-204.628 χ^2/NDF: 40.2/34

All: -23.497+/-142.070 χ^2/NDF: 70.7/71

- 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: 957.023+/-0.180 χ^2/NDF:1333182.9/18

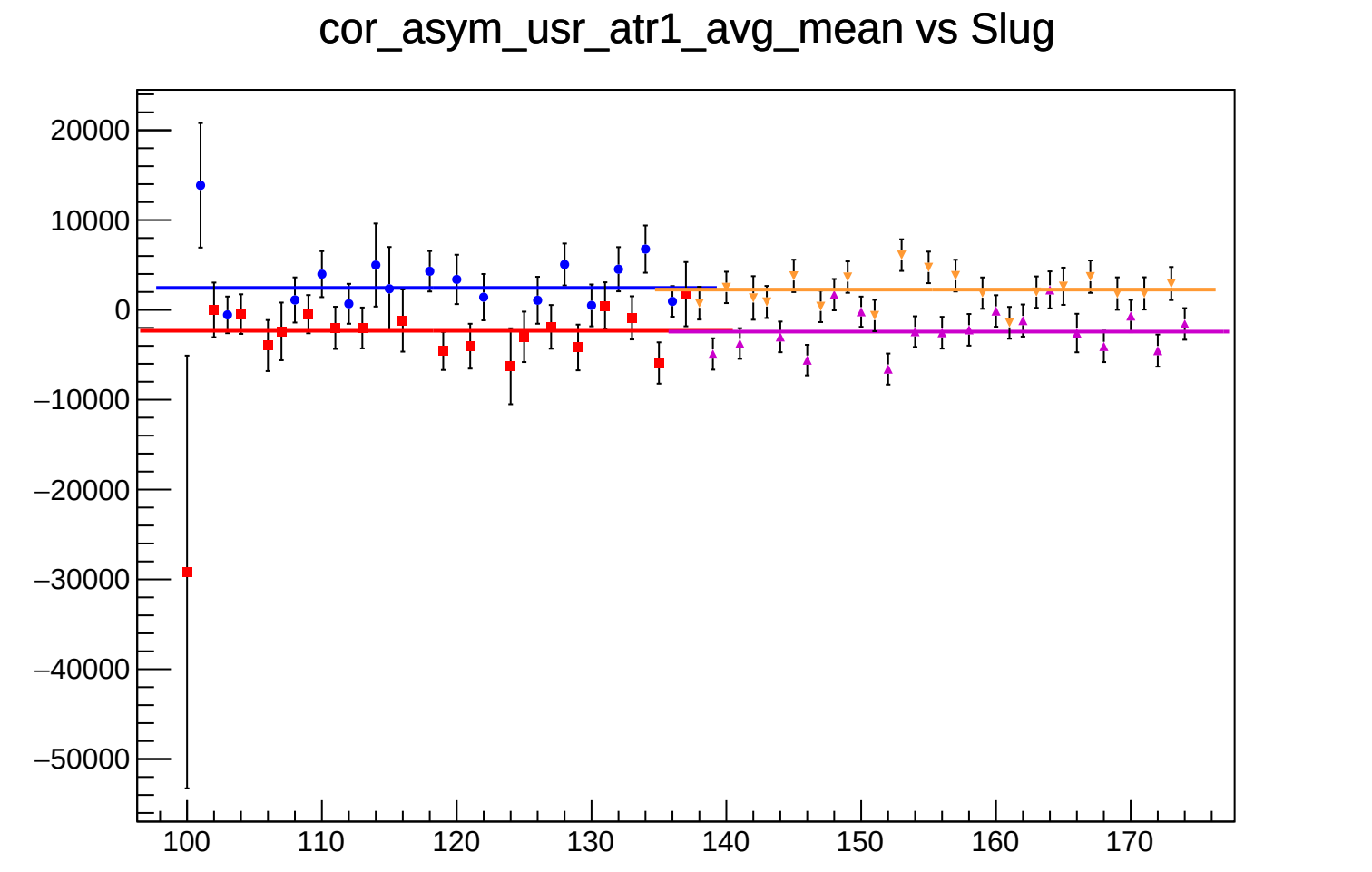
Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 952.308+/-0.180 χ^2/NDF:1477277.7/17

+ sign 933.809+/-0.145 χ^2/NDF: 2173844.7/34

All: 913.823+/-0.100 χ^2/NDF: 5024985.0/71

- 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: 2262.825+/-415.348 χ^2/NDF:19.5/18

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

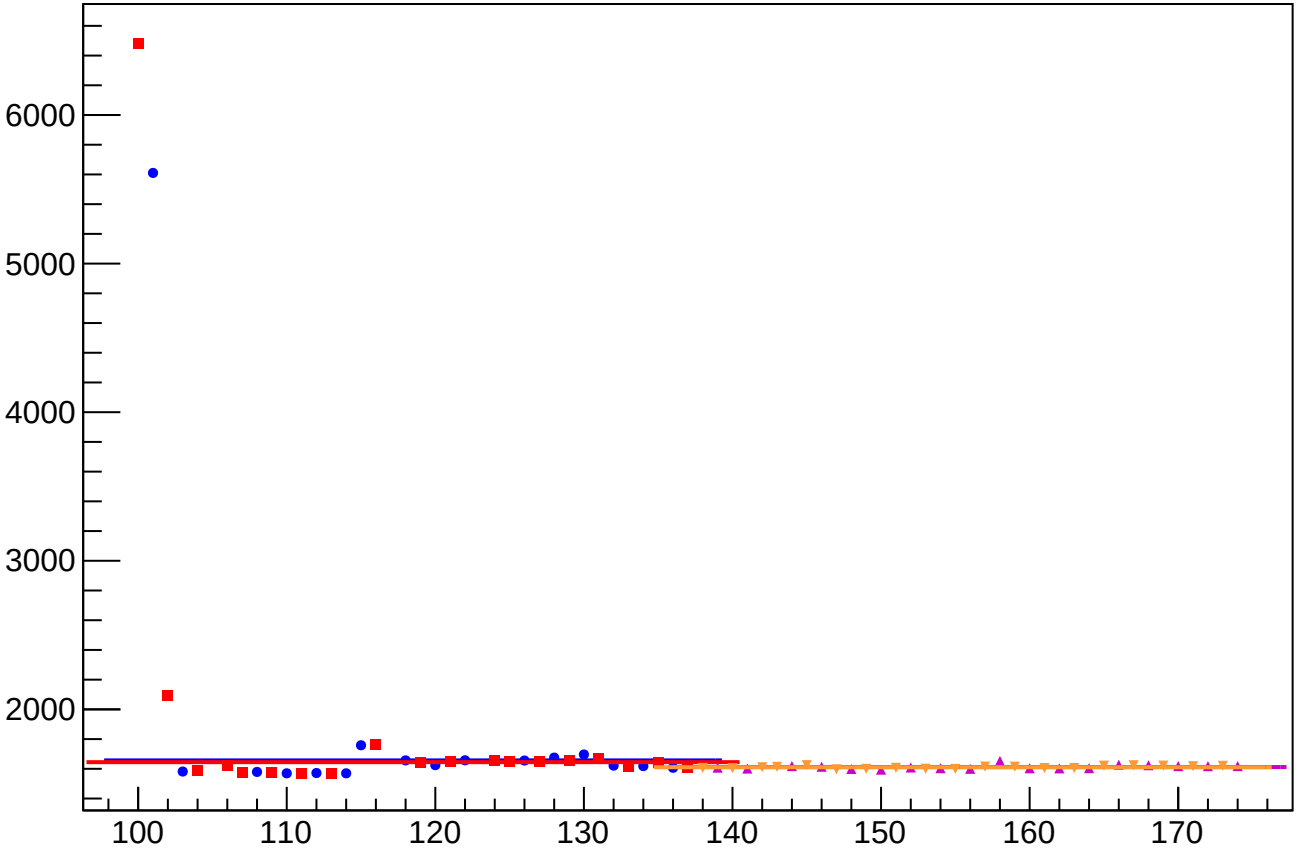
Left In: -2413.565+/-417.856 χ^2/NDF:30.1/17

+ sign 2319.321+/-346.807 χ^2/NDF: 33.4/34

All: -46.800+/-244.470 χ^2/NDF: 168.1/71

- 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: 1610.481+/-0.294 χ^2/NDF:891.3/18

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

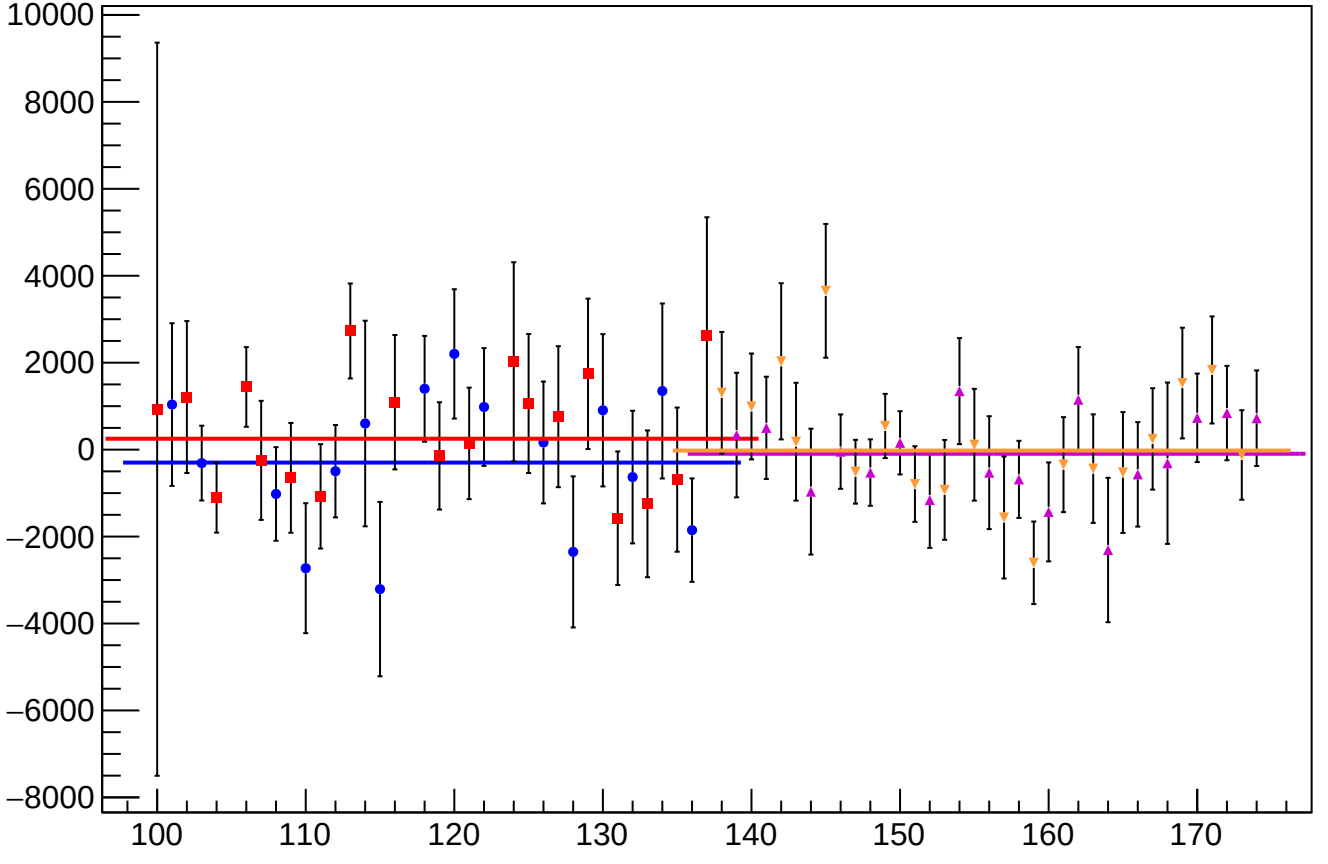
Left In: 1611.966+/-0.295 χ^2/NDF:2047.0/17

\+ sign 1624.472+/-0.245 χ^2/NDF: 674610.7/34

All: 1623.449+/-0.173 χ^2/NDF: 817106.3/71

\- 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: -21.077+/-254.791 χ^2/NDF:23.8/18

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

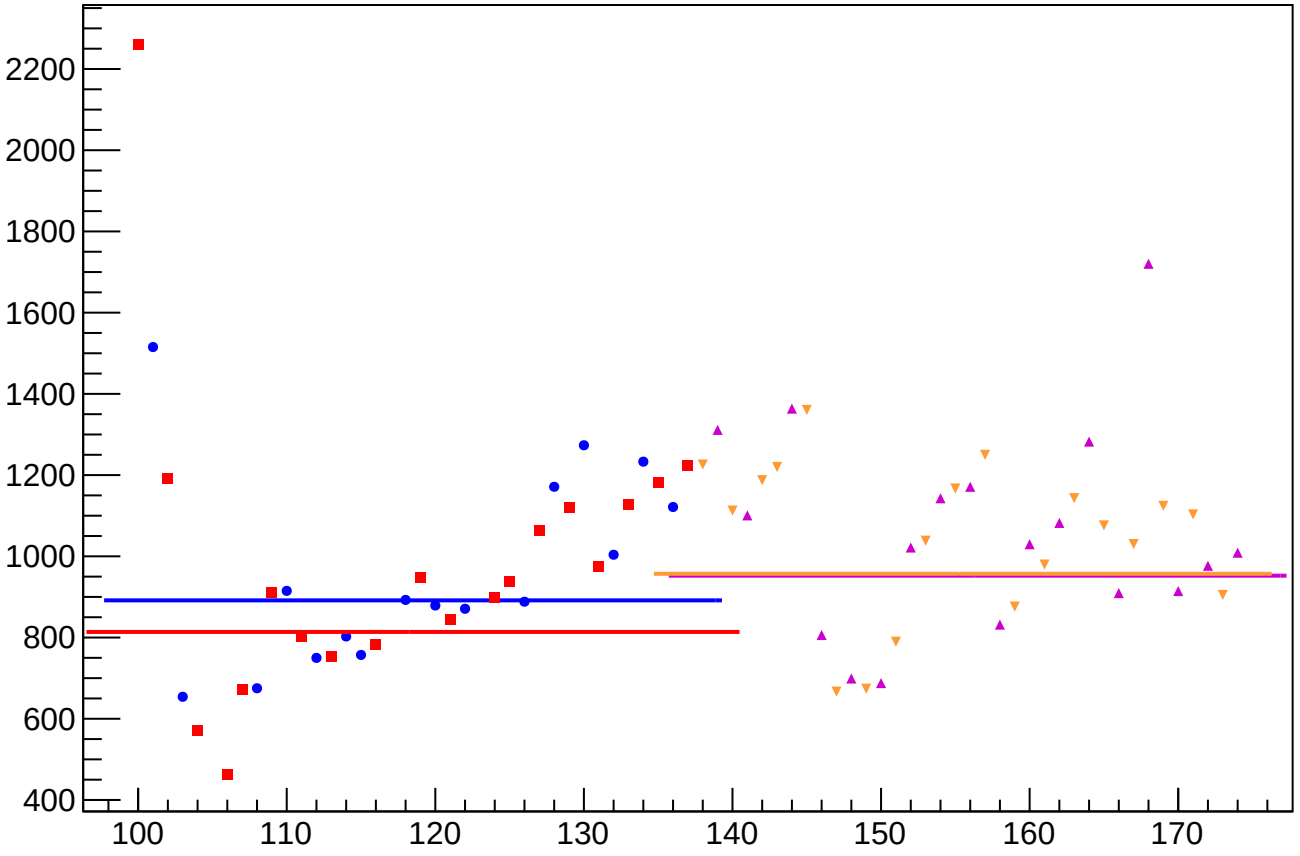
Left In: -95.036+/-254.381 χ^2/NDF:10.4/17

+ sign -119.329+/-204.617 χ^2/NDF: 40.2/34

All: -36.437+/-142.323 χ^2/NDF: 68.9/71

- 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: 957.014+/-0.180 χ^2/NDF:1333273.8/18

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

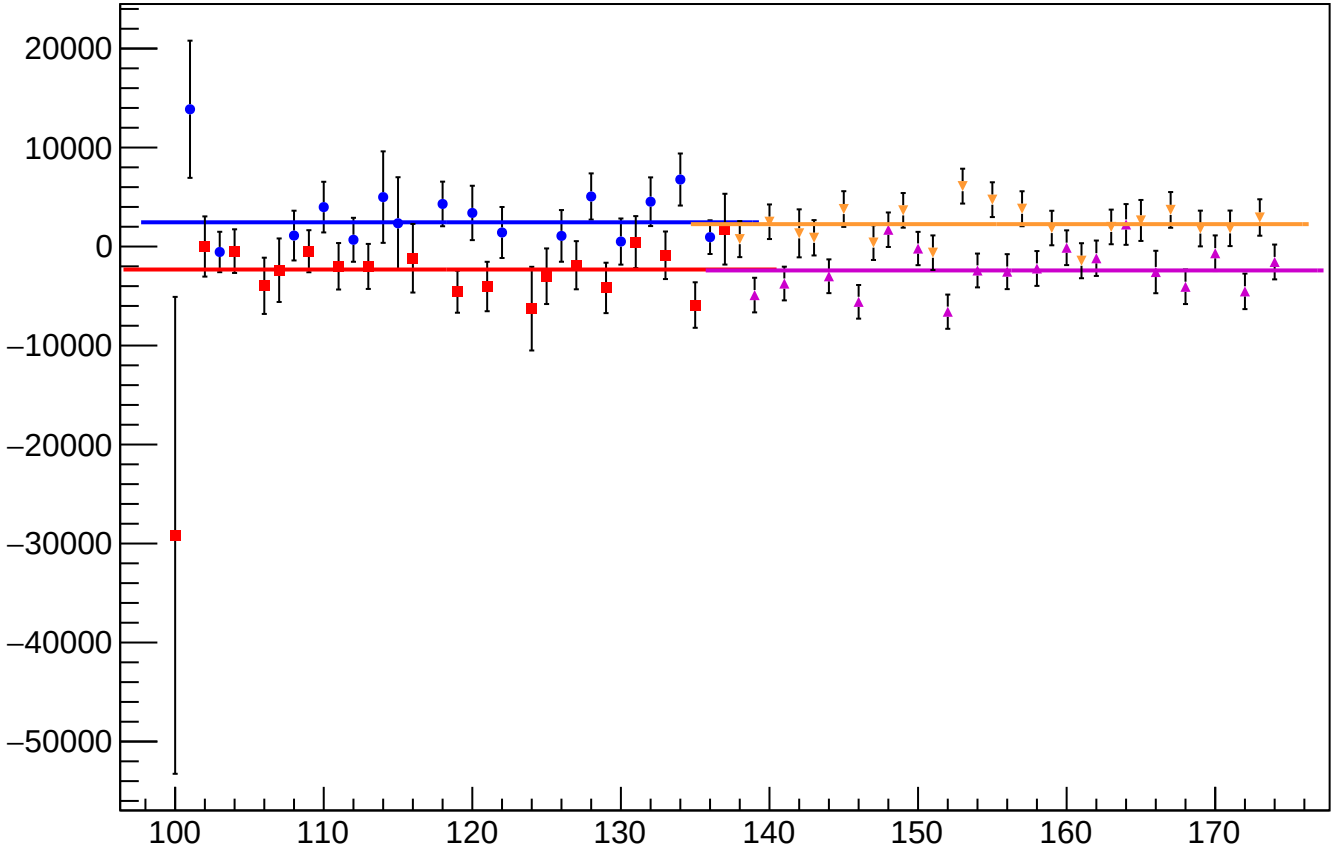
Left In: 952.314+/-0.180 χ^2/NDF:1477232.7/17

+ sign 933.764+/-0.145 χ^2/NDF: 2173833.6/34

All: 915.199+/-0.101 χ^2/NDF: 4969327.3/71

- sign 897.798+/-0.140 χ^2/NDF: 2763598.2/36

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2262.825+/-415.348 χ^2/NDF:19.5/18

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

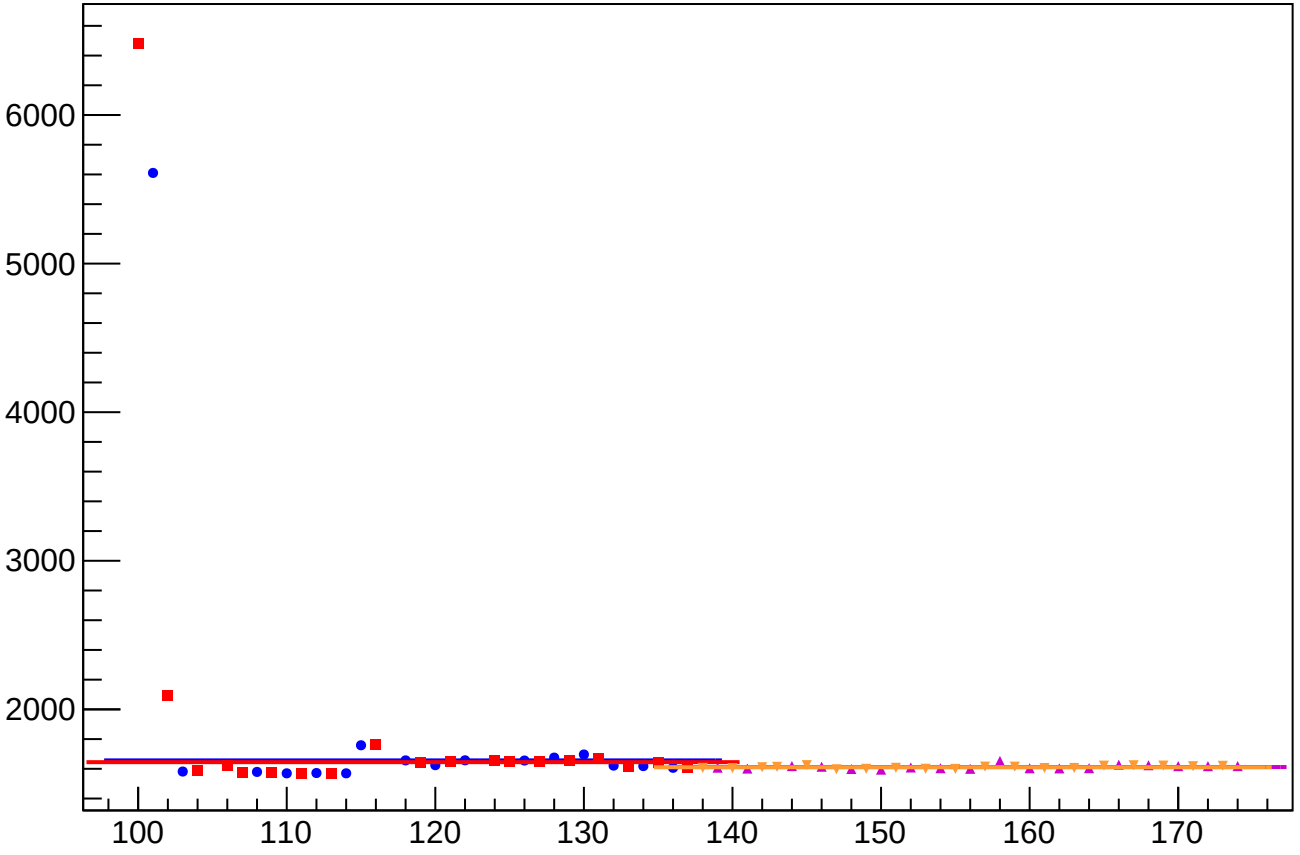
Left In: -2413.565+/-417.856 χ^2/NDF:30.1/17

+ sign 2319.321+/-346.807 χ^2/NDF: 33.4/34

All: -46.800+/-244.470 χ^2/NDF: 168.1/71

- 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: 1610.481+/-0.294 χ^2/NDF:891.3/18

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

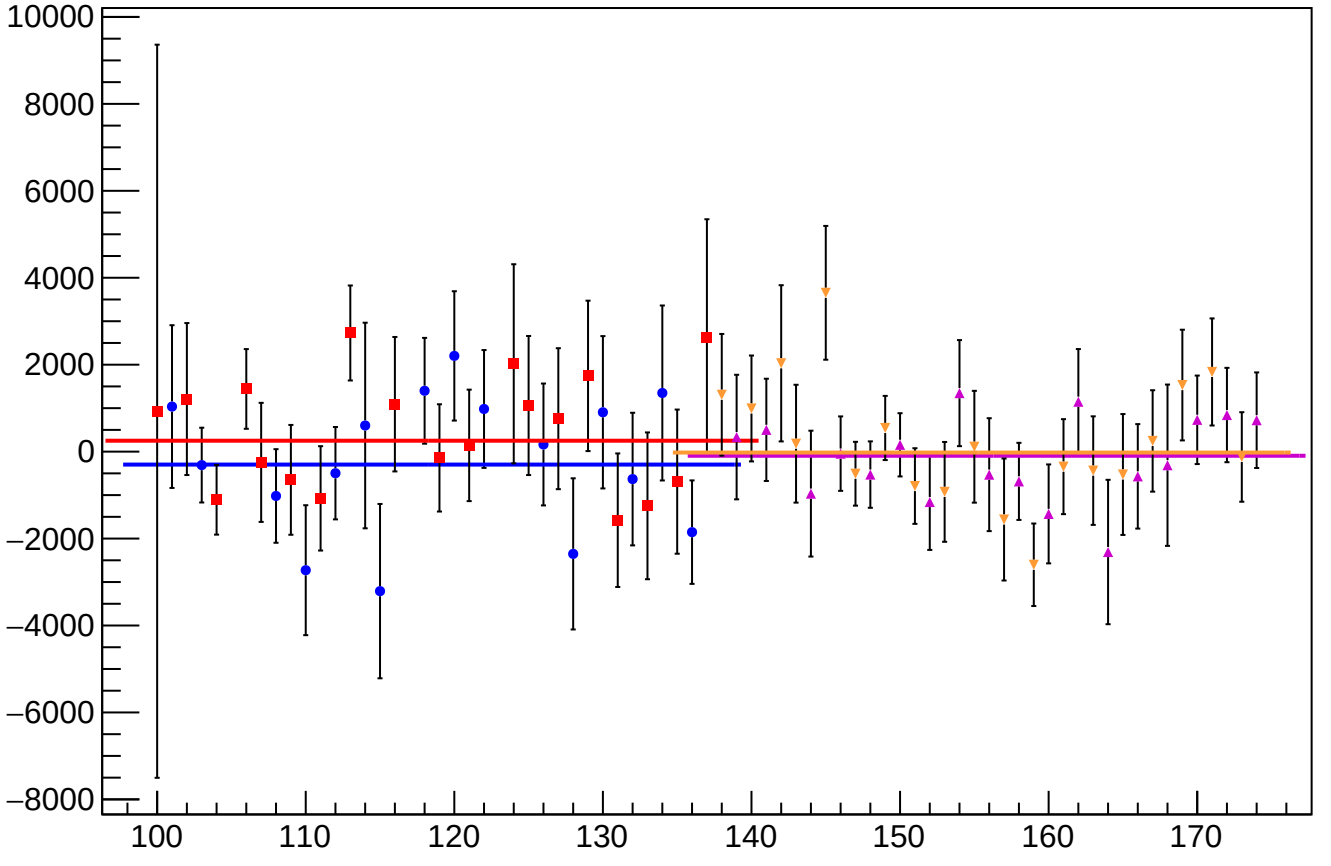
Left In: 1611.966+/-0.295 χ^2/NDF:2047.0/17

\+ sign 1624.472+/-0.245 χ^2/NDF: 674610.7/34

All: 1623.449+/-0.173 χ^2/NDF: 817106.3/71

\- sign 1622.439+/-0.244 χ^2/NDF: 142460.9/36

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -21.077+/-254.791 χ^2/NDF:23.8/18

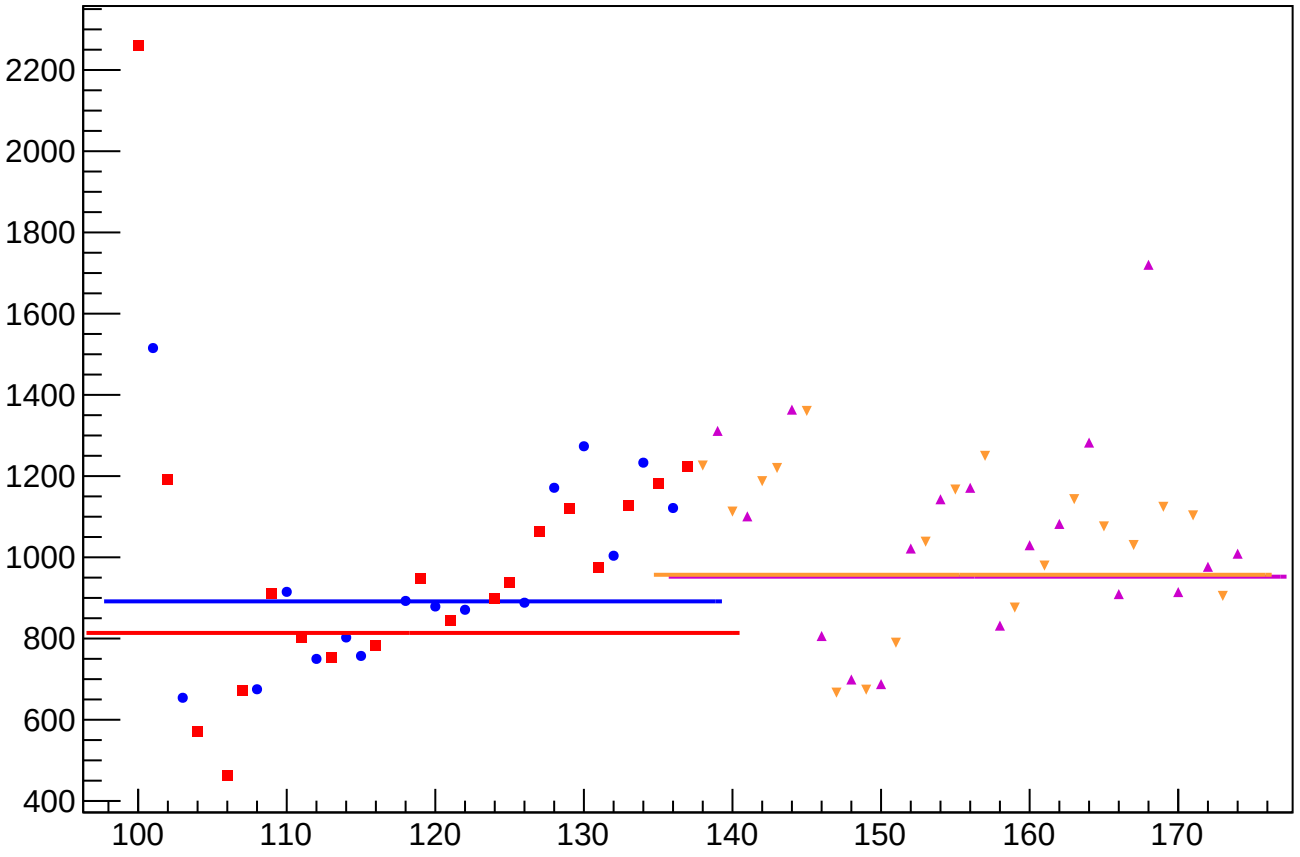
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -95.036+/-254.381 χ^2/NDF:10.4/17

+ sign -119.329+/-204.617 χ^2/NDF: 40.2/34

All: -36.437+/-142.323 χ^2/NDF: 68.9/71

- 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: 957.014+/-0.180 χ^2/NDF:1333273.8/18

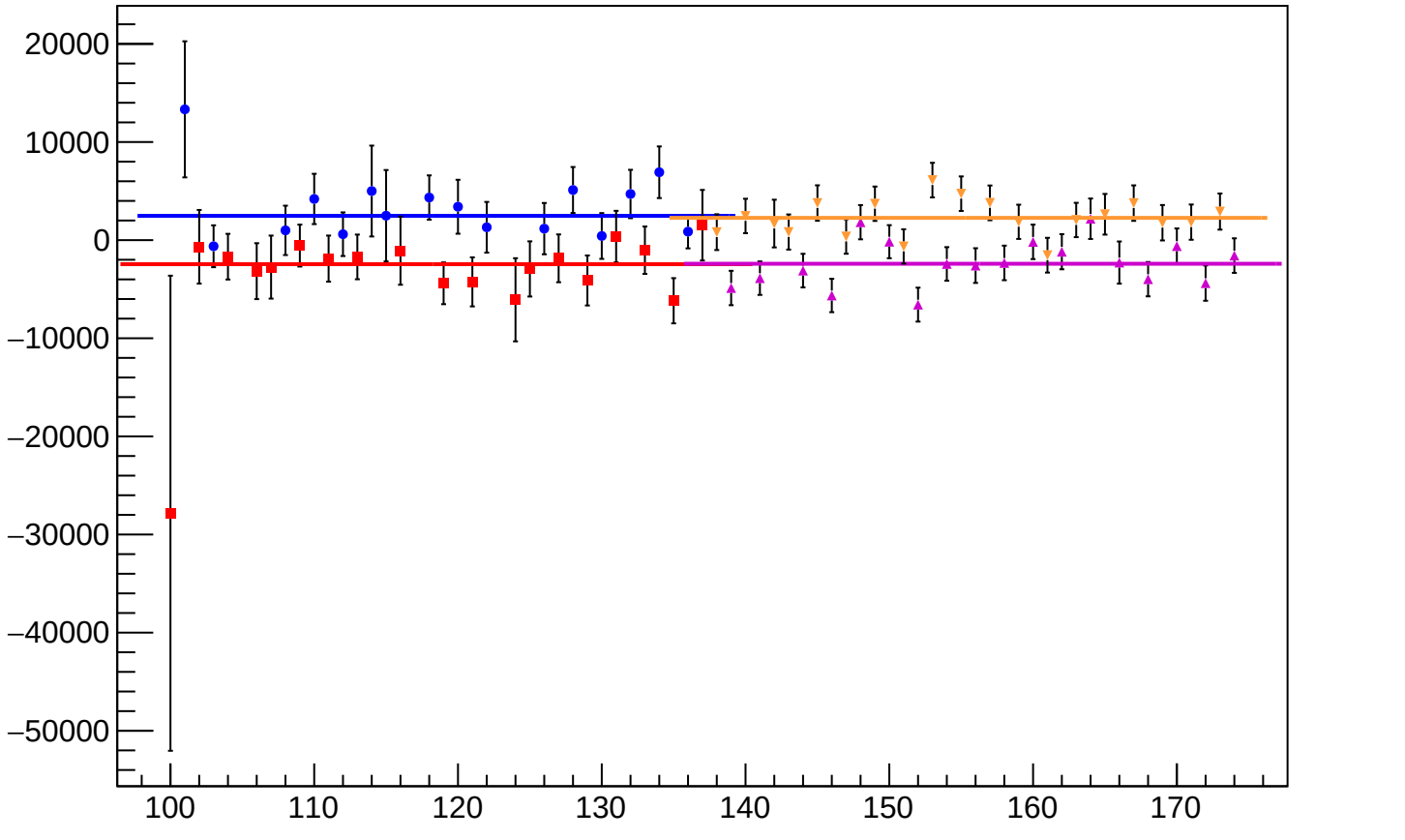
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 952.314+/-0.180 χ^2/NDF:1477232.7/17

+ sign 933.764+/-0.145 χ^2/NDF: 2173833.6/34

All: 915.199+/-0.101 χ^2/NDF: 4969327.3/71

- 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: 2269.448+/-415.956 χ^2/NDF:19.8/18

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

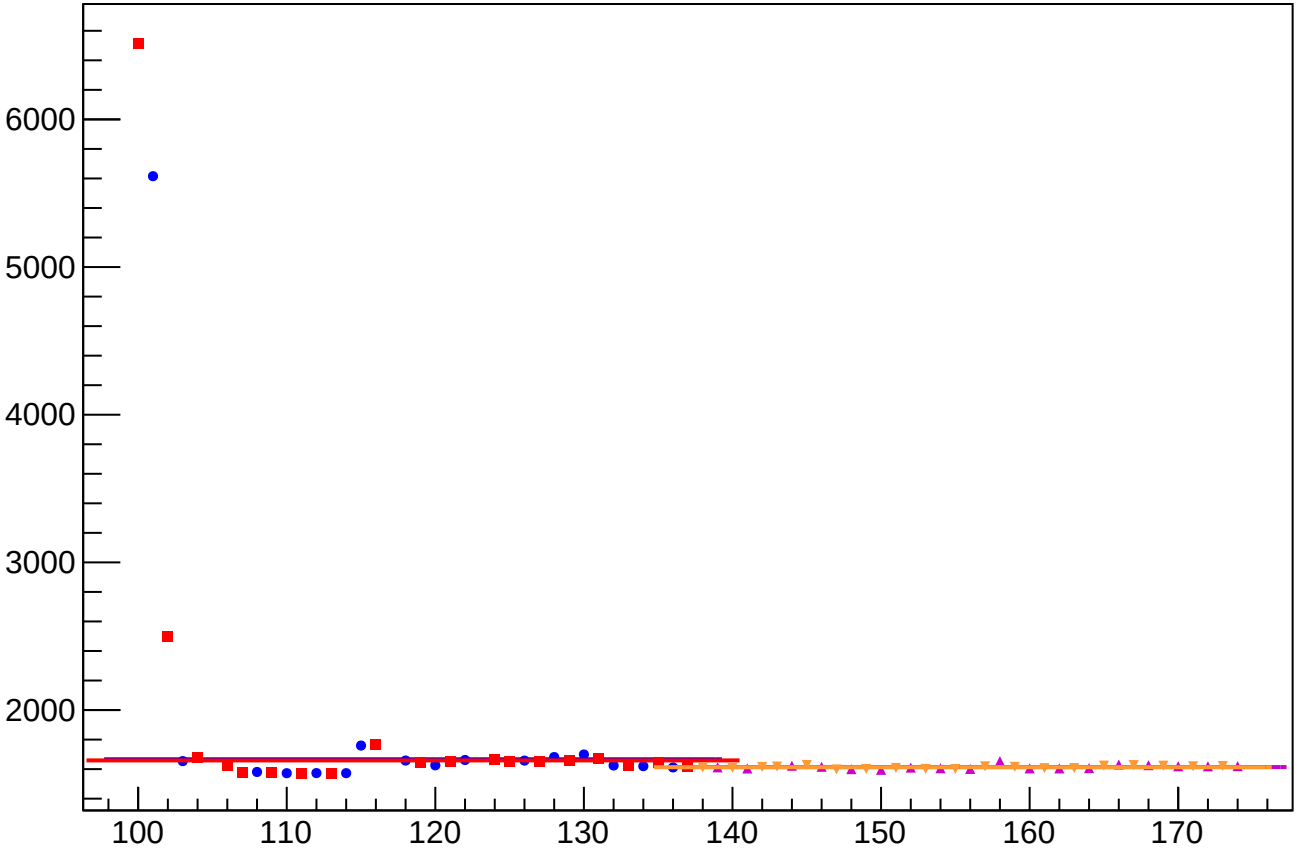
Left In: -2406.903+/-418.380 χ^2/NDF:30.3/17

+ sign 2331.389+/-347.764 χ^2/NDF: 34.1/34

All: -53.920+/-245.412 χ^2/NDF: 168.6/71

- 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: 1612.829+/-0.294 χ^2/NDF:987.9/18

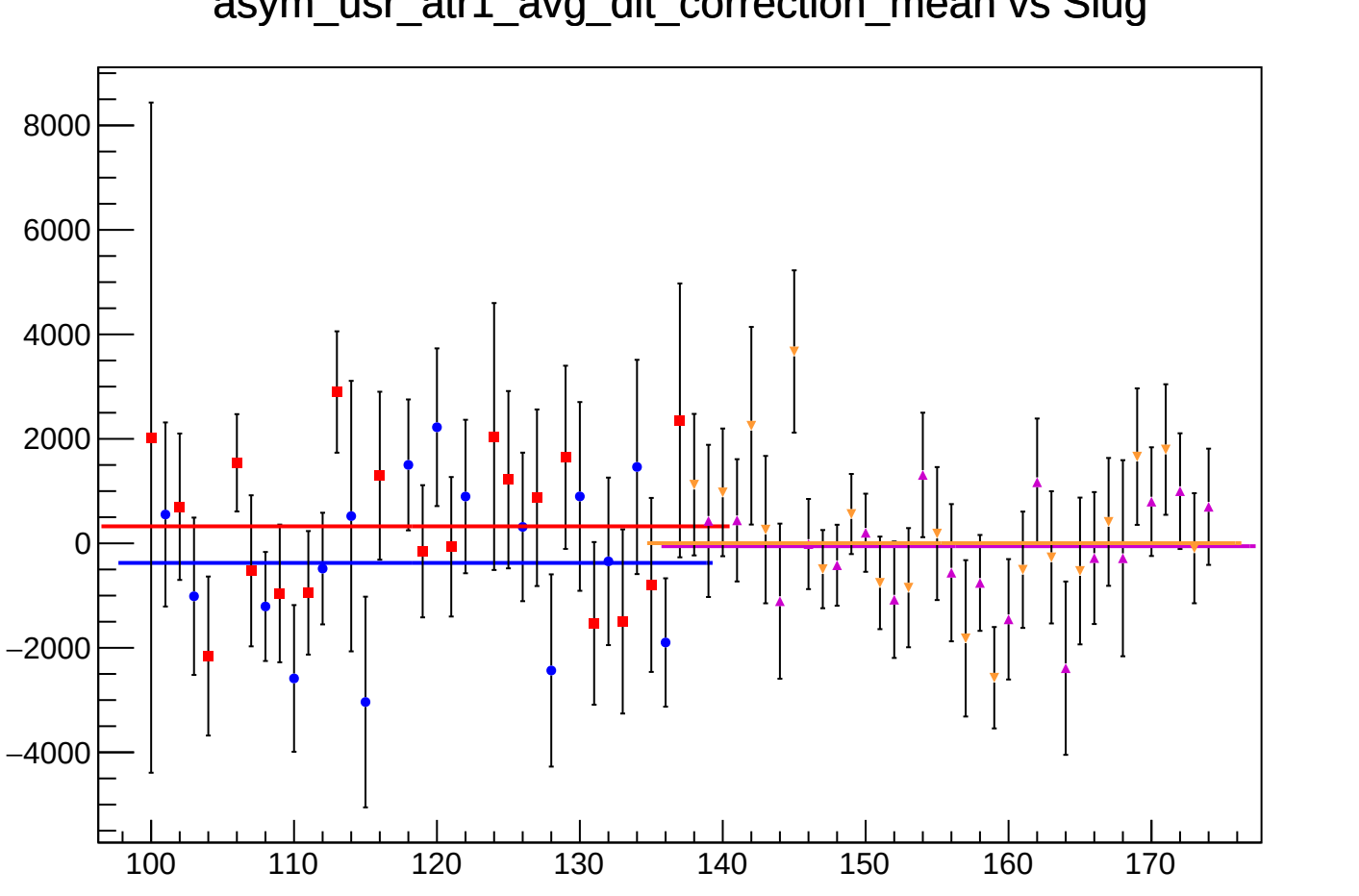
Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1613.976+/-0.296 χ^2/NDF:2112.6/17

+ sign 1628.954+/-0.246 χ^2/NDF: 673887.7/34

All: 1628.547+/-0.174 χ^2/NDF: 876518.0/71

- sign 1628.142+/-0.245 χ^2/NDF: 202624.9/36



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 3.368+/-259.937 χ^2/NDF:23.3/18

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

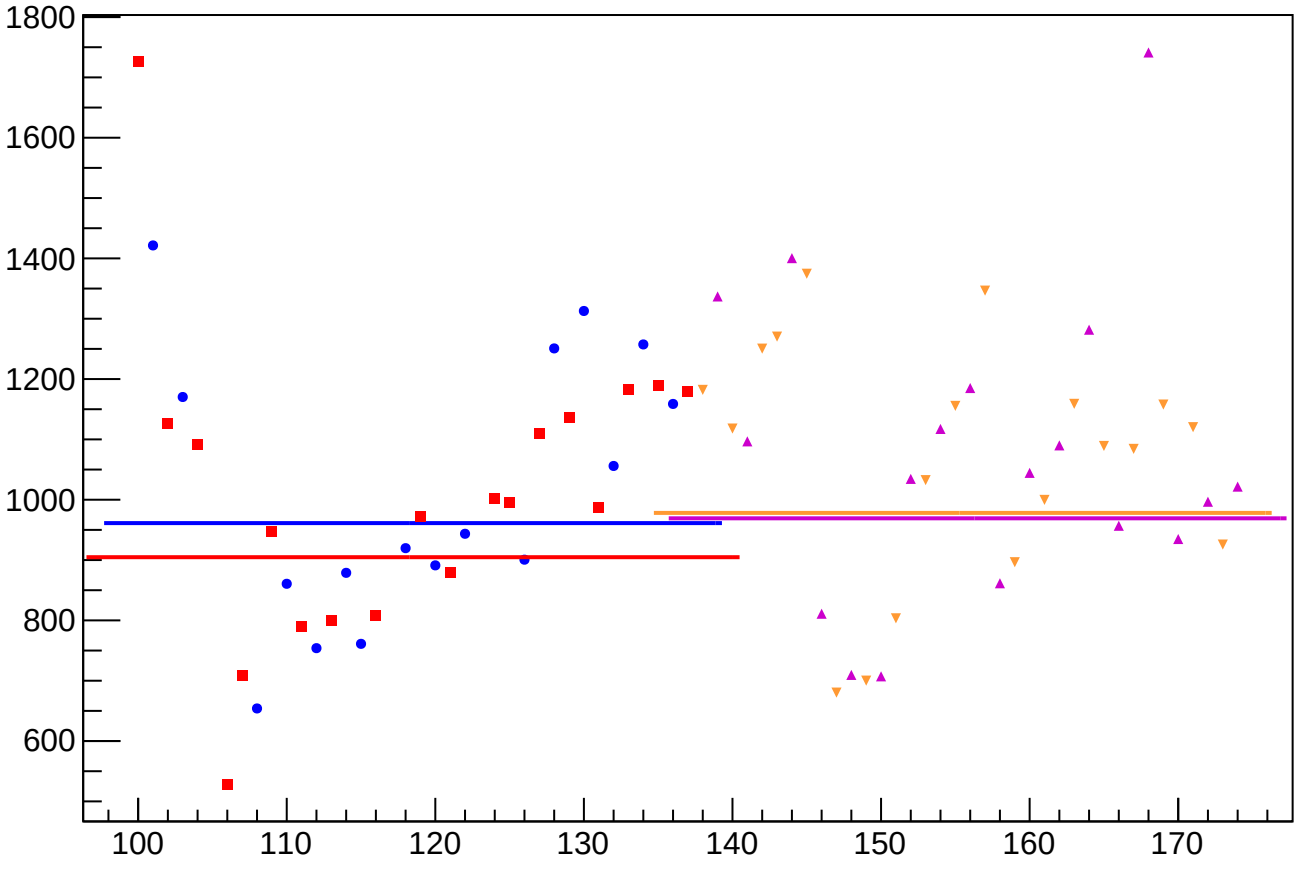
Left In: -54.674+/-258.401 χ^2/NDF:10.6/17

+ sign -122.465+/-212.303 χ^2/NDF: 39.8/34

All: -15.922+/-147.792 χ^2/NDF: 69.0/71

- 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: 978.157+/-0.184 χ^2/NDF:1303002.5/18

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

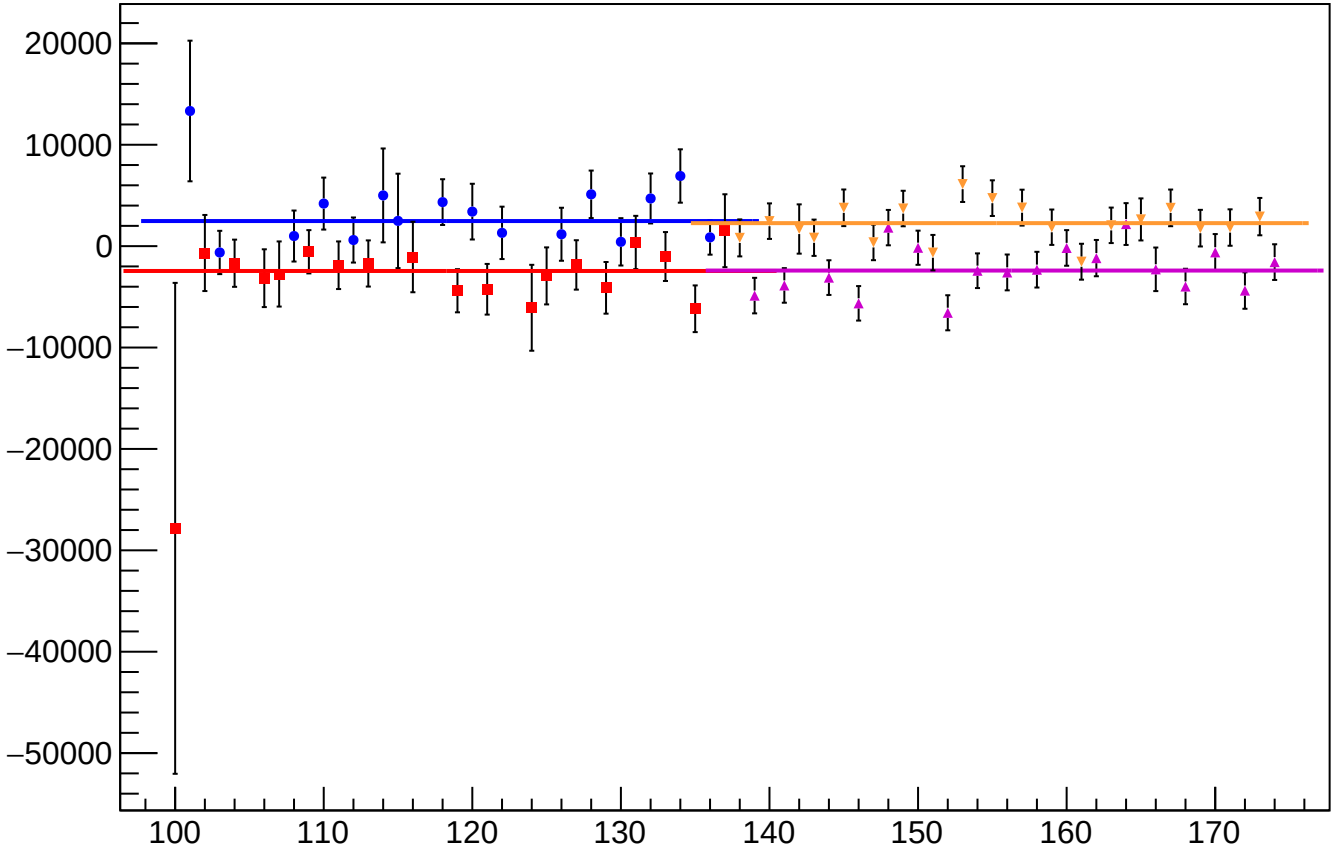
Left In: 969.160+/-0.183 χ^2/NDF:1422140.3/17

\+ sign 972.526+/-0.150 χ^2/NDF: 1997697.3/34

All: 958.662+/-0.105 χ^2/NDF: 4218279.8/71

\- sign 945.627+/-0.146 χ^2/NDF: 2204035.5/36

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2269.448+/-415.956 χ^2/NDF:19.8/18

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

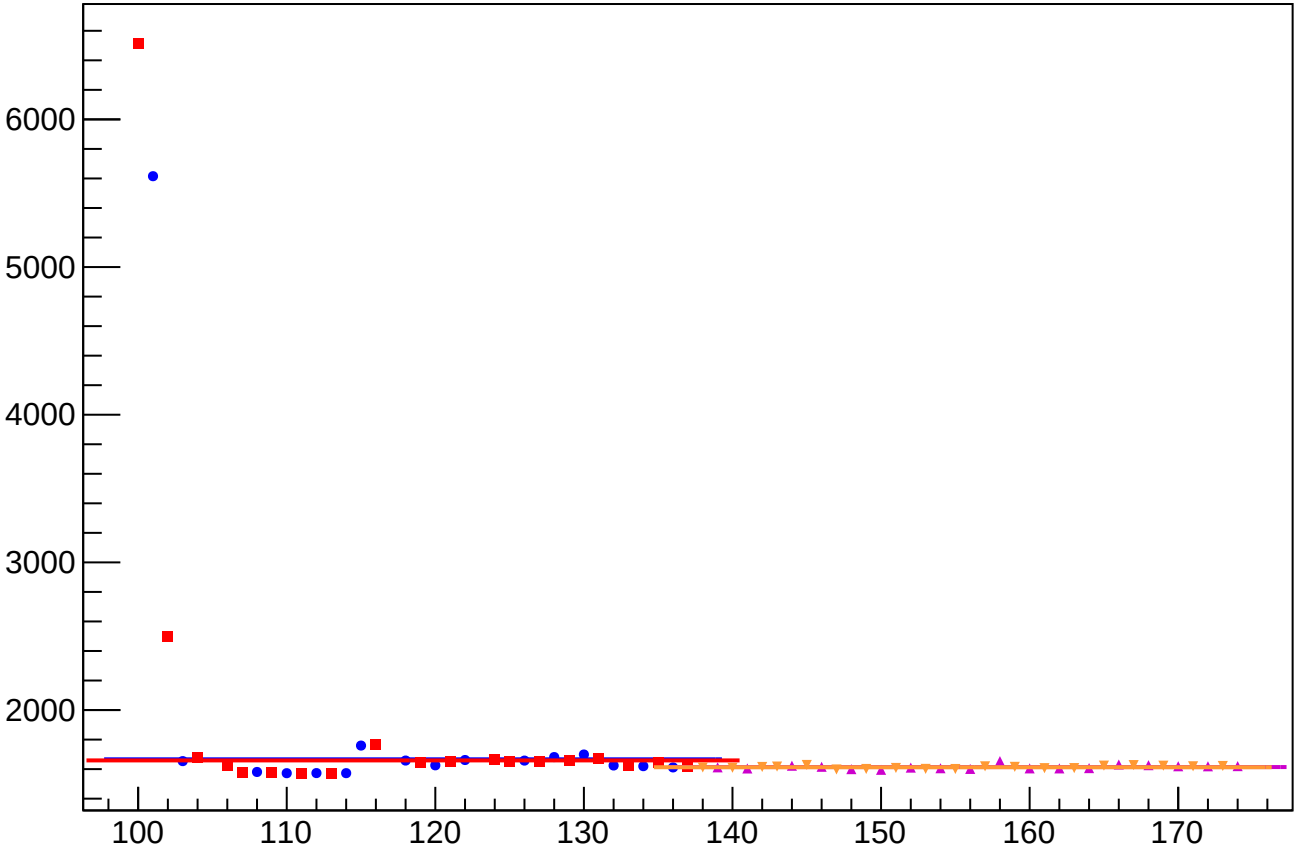
Left In: -2406.903+/-418.380 χ^2/NDF:30.3/17

+ sign 2331.389+/-347.764 χ^2/NDF: 34.1/34

All: -53.920+/-245.412 χ^2/NDF: 168.6/71

- 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: 1612.829+/-0.294 χ^2/NDF:987.9/18

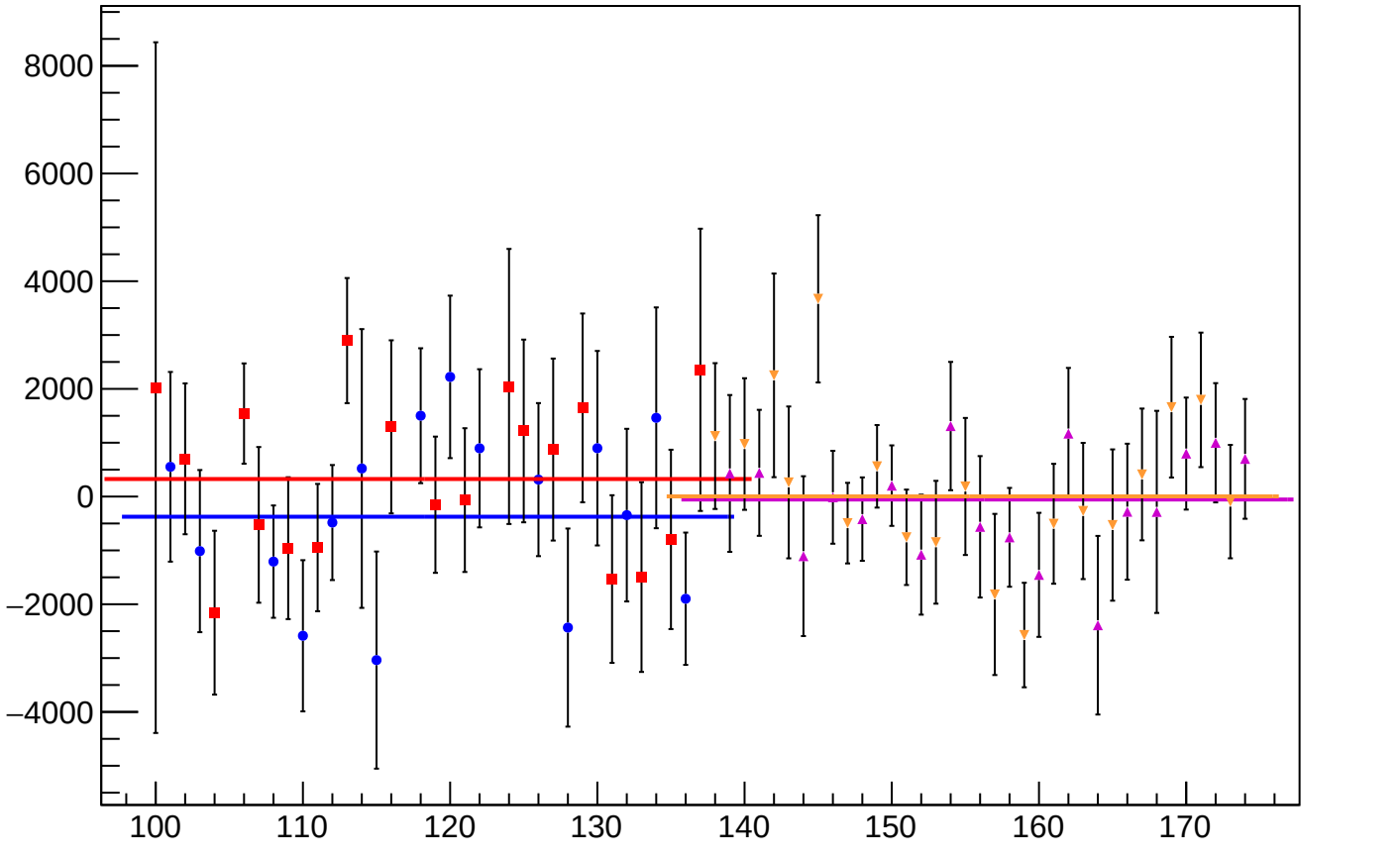
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1613.976+/-0.296 χ^2/NDF:2112.6/17

+ sign 1628.954+/-0.246 χ^2/NDF: 673887.6/34

All: 1628.547+/-0.174 χ^2/NDF: 876517.7/71

- 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: 3.366+/-259.938 χ^2/NDF:23.3/18

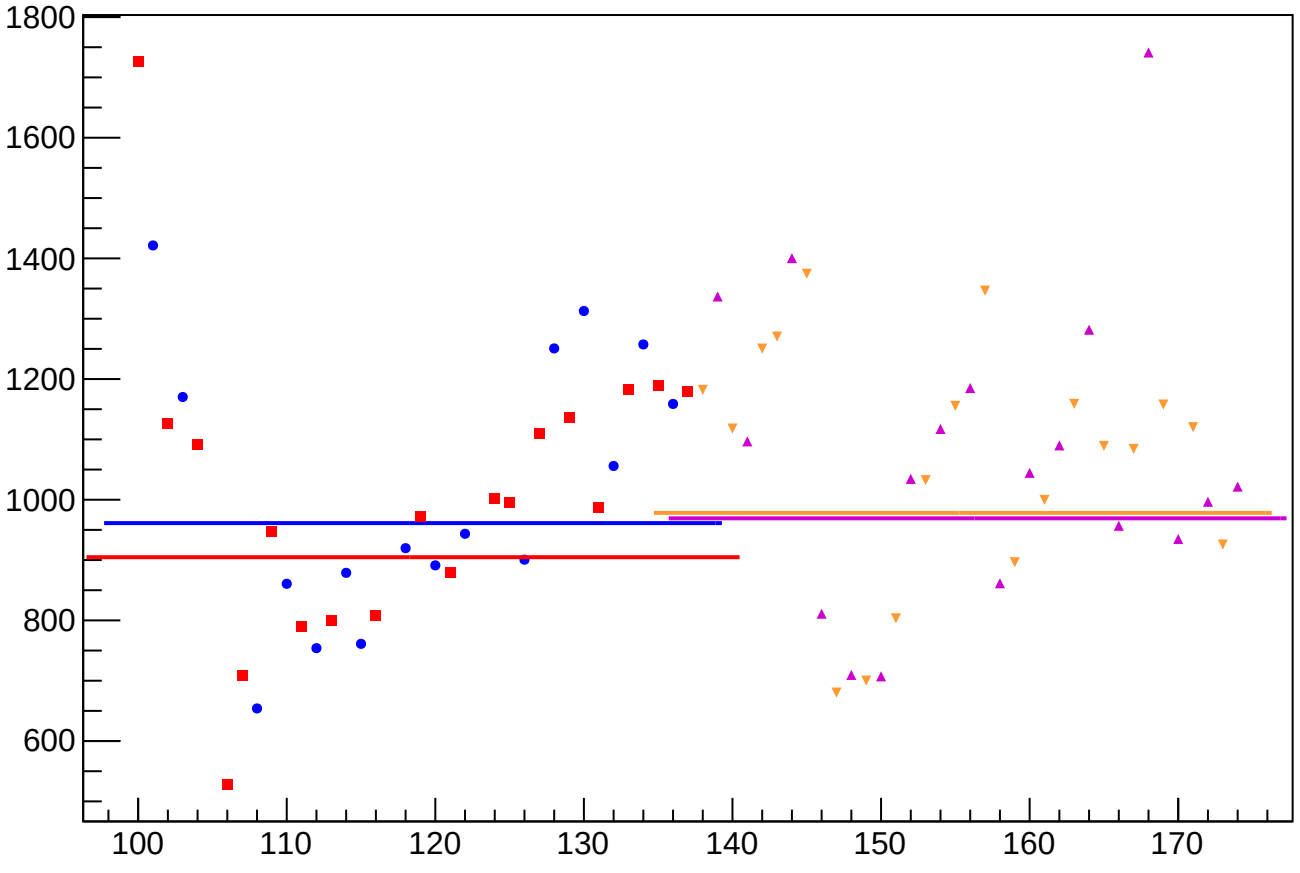
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -54.675+/-258.402 χ^2/NDF:10.6/17

+ sign -122.466+/-212.303 χ^2/NDF: 39.8/34

All: -15.922+/-147.793 χ^2/NDF: 69.0/71

- 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: 978.159+/-0.184 χ^2/NDF:1303005.8/18

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

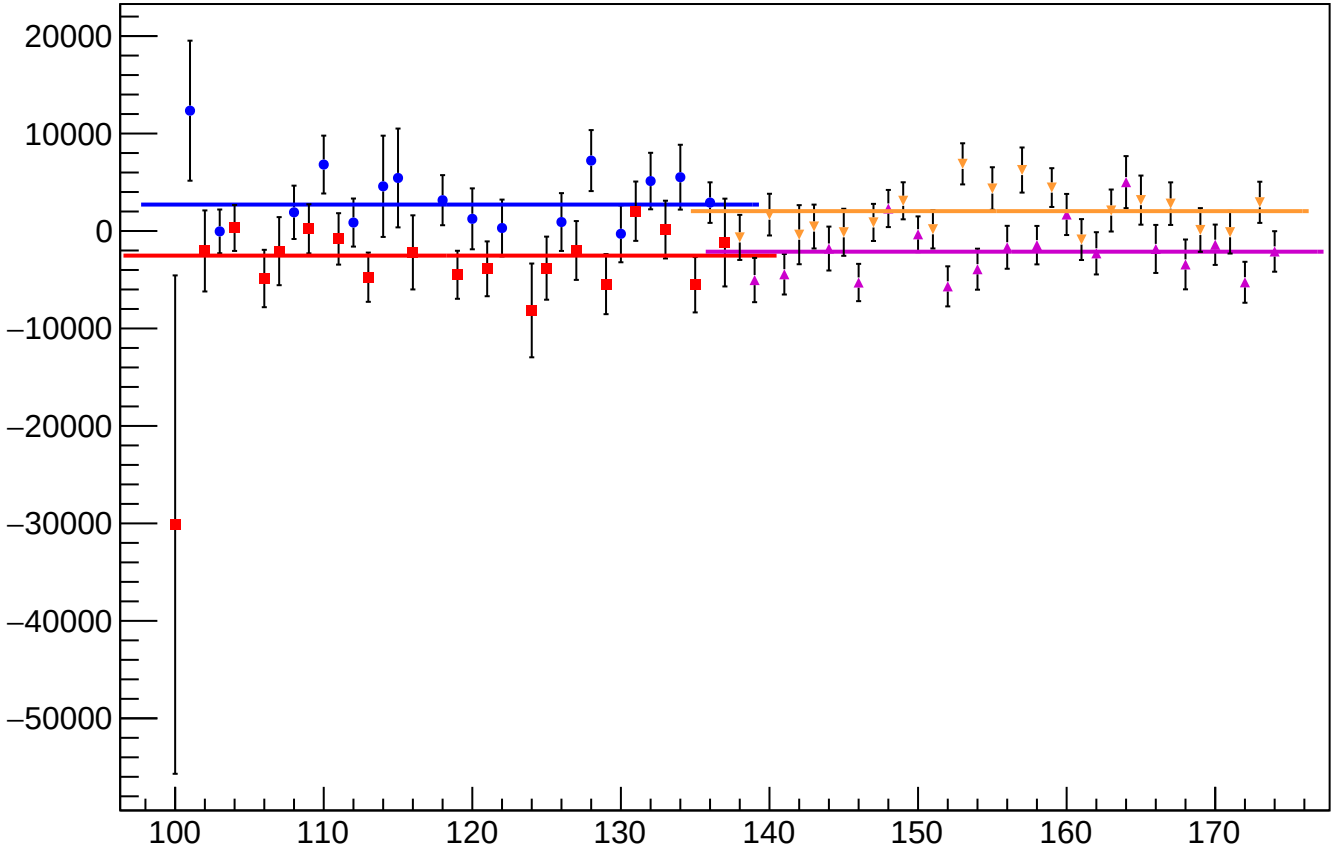
Left In: 969.162+/-0.183 χ^2/NDF:1422143.7/17

+ sign 972.526+/-0.150 χ^2/NDF: 1997710.6/34

All: 958.663+/-0.105 χ^2/NDF: 4218300.3/71

- 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: 2036.995+/-499.452 χ^2/NDF:20.3/18

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

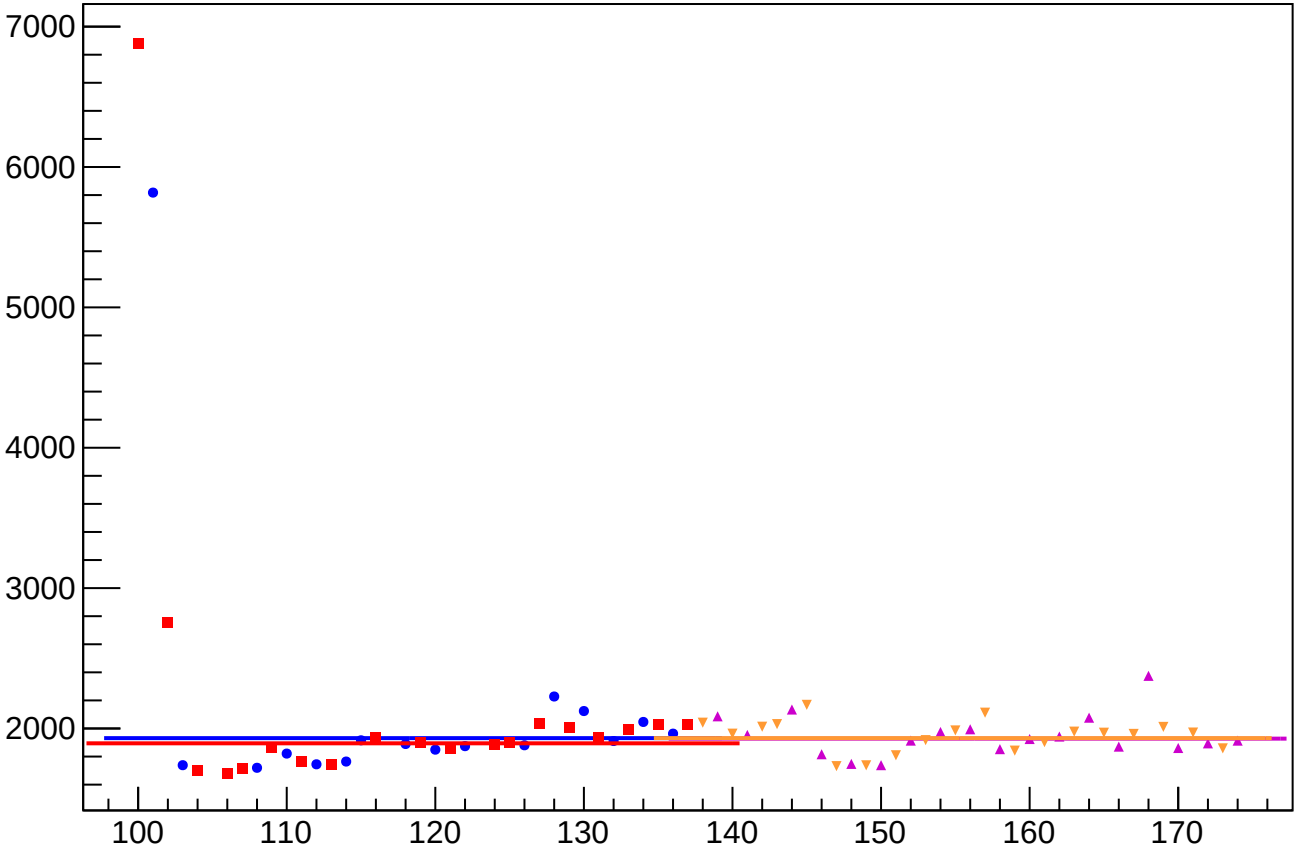
Left In: -2122.853+/-501.209 χ^2/NDF:28.9/17

+ sign 2249.997+/-413.117 χ^2/NDF: 33.0/34

All: -27.636+/-290.572 χ^2/NDF: 135.5/71

- 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: 1931.279+/-0.353 χ^2/NDF:105448.6/18

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

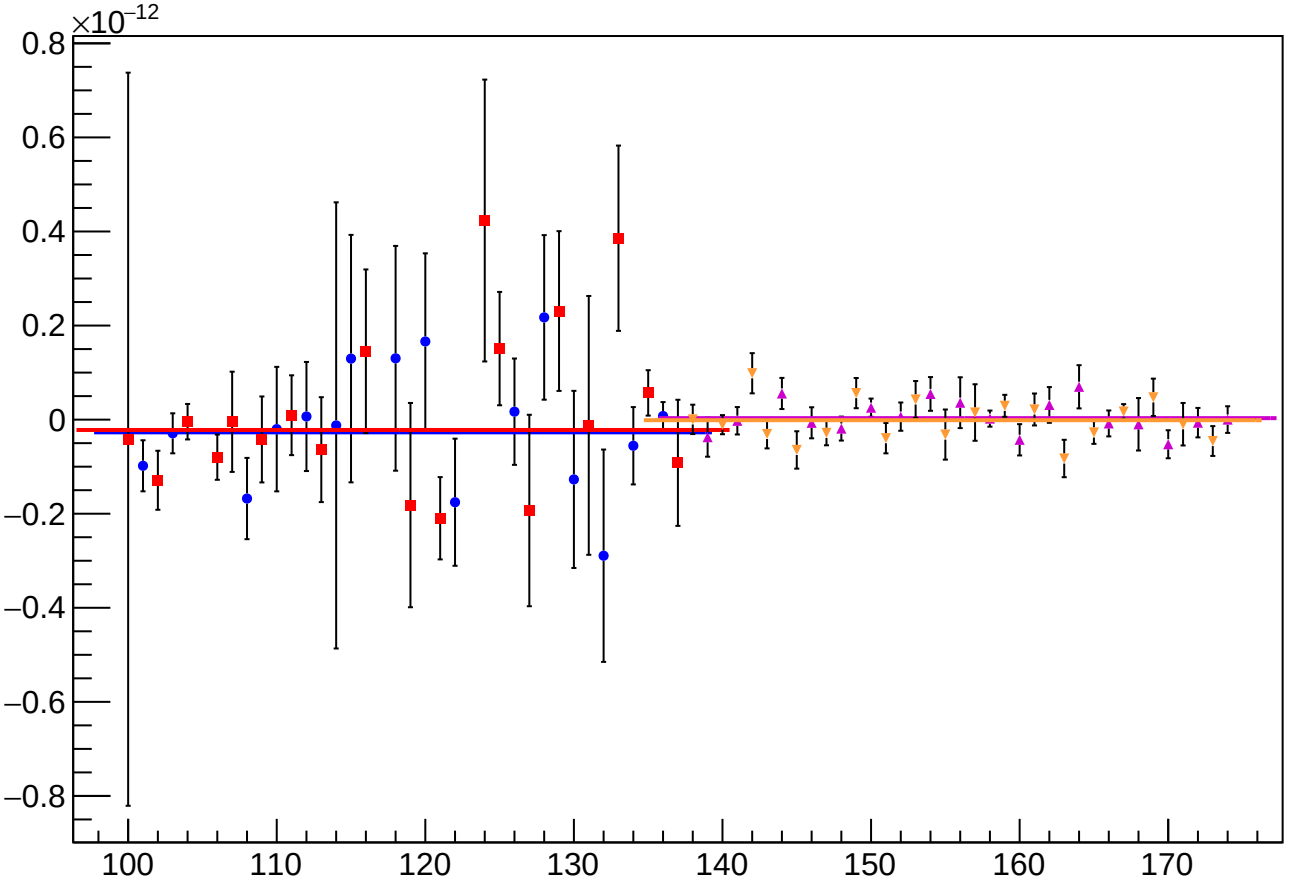
Left In: 1927.724+/-0.354 χ^2/NDF:150008.9/17

+ sign 1931.270+/-0.292 χ^2/NDF: 766675.7/34

All: 1923.832+/-0.205 χ^2/NDF: 1141478.2/71

- 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:28.8/18

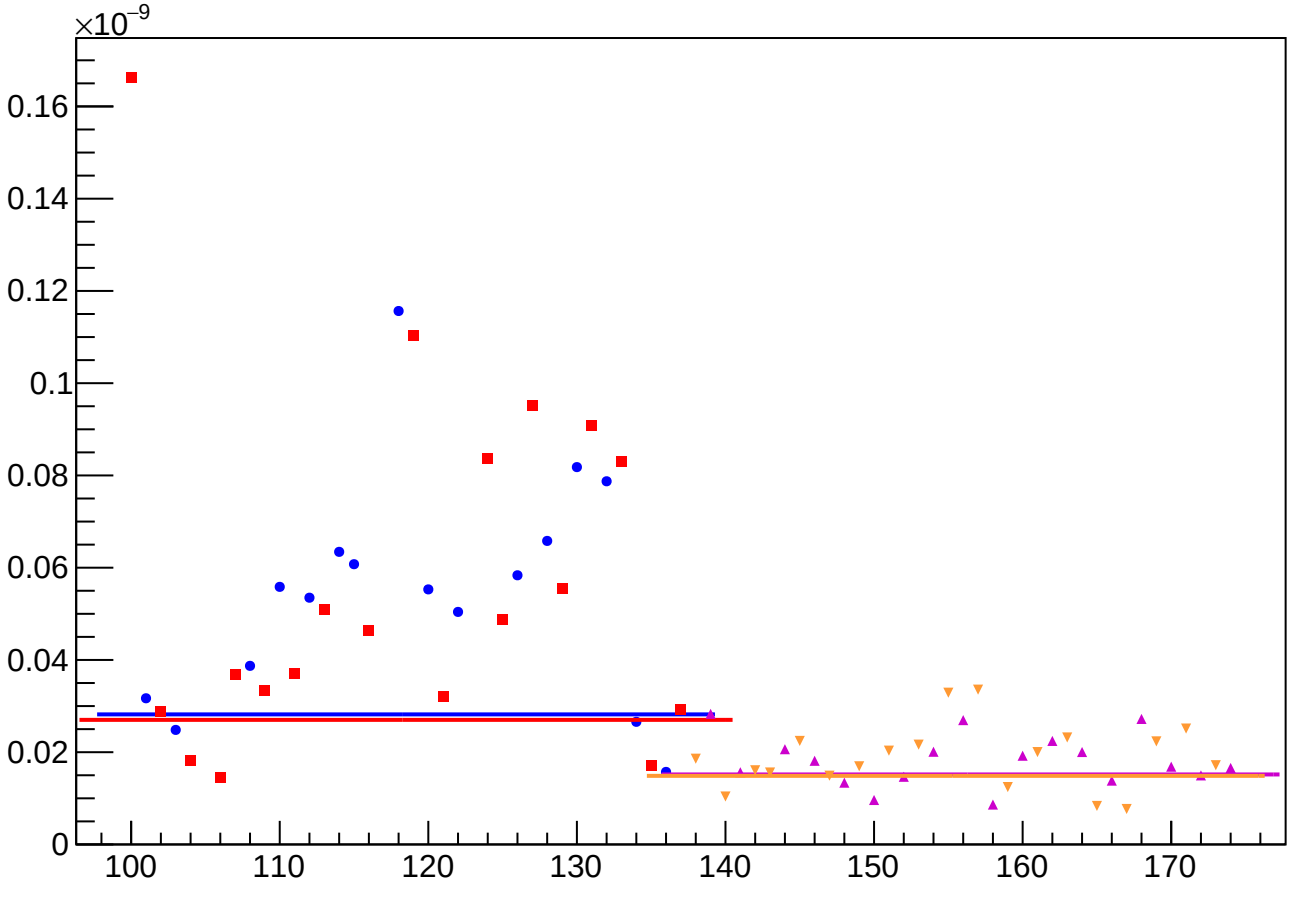
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 43.2/34

All: -0.000+/-0.000 χ^2/NDF: 86.8/71

- 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:1643930.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

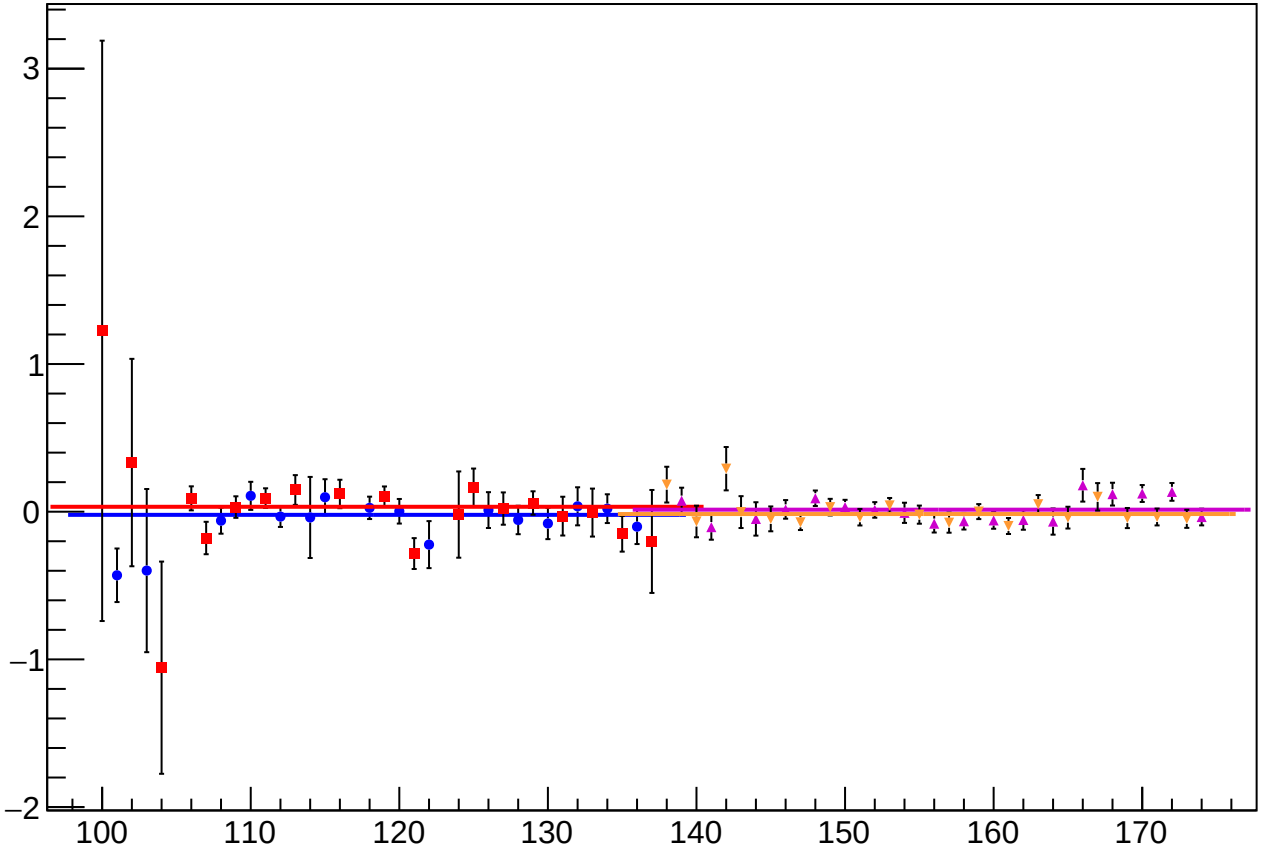
Left In: 0.000+/-0.000 χ^2/NDF:1103848.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 3992307.5/34

All: 0.000+/-0.000 χ^2/NDF: 7313707.7/71

- 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: -0.016+/-0.015 χ^2/NDF:17.3/18

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

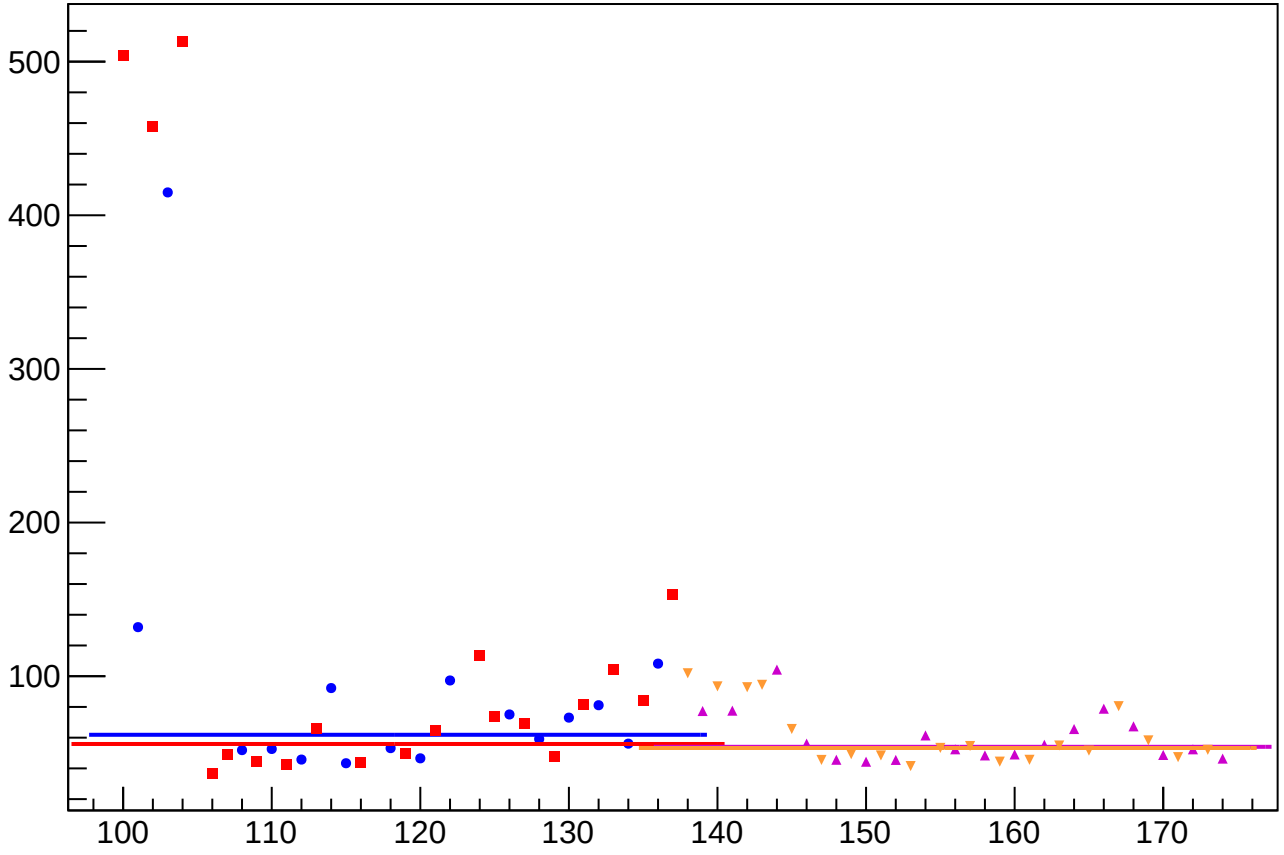
Left In: 0.014+/-0.015 χ^2/NDF:25.6/17

+ sign -0.017+/-0.013 χ^2/NDF: 29.3/34

All: 0.001+/-0.009 χ^2/NDF: 83.7/71

- 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: 53.279+/-0.011 χ^2/NDF:1570868.8/18

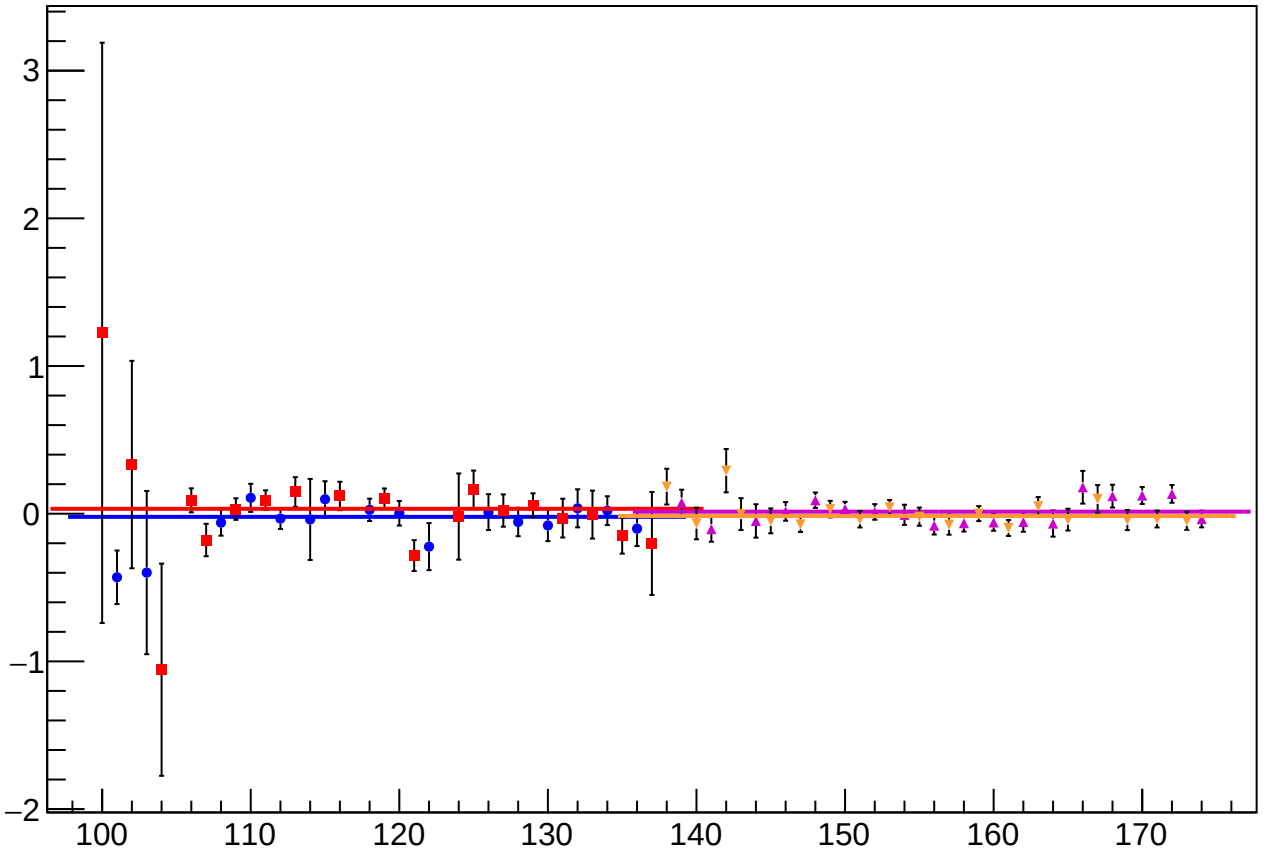
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.047+/-0.011 χ^2/NDF:1181933.7/17

+ sign 55.380+/-0.009 χ^2/NDF: 3667214.2/34

All: 54.960+/-0.007 χ^2/NDF: 7452563.7/71

- 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: -0.016+/-0.015 χ^2/NDF:17.3/18

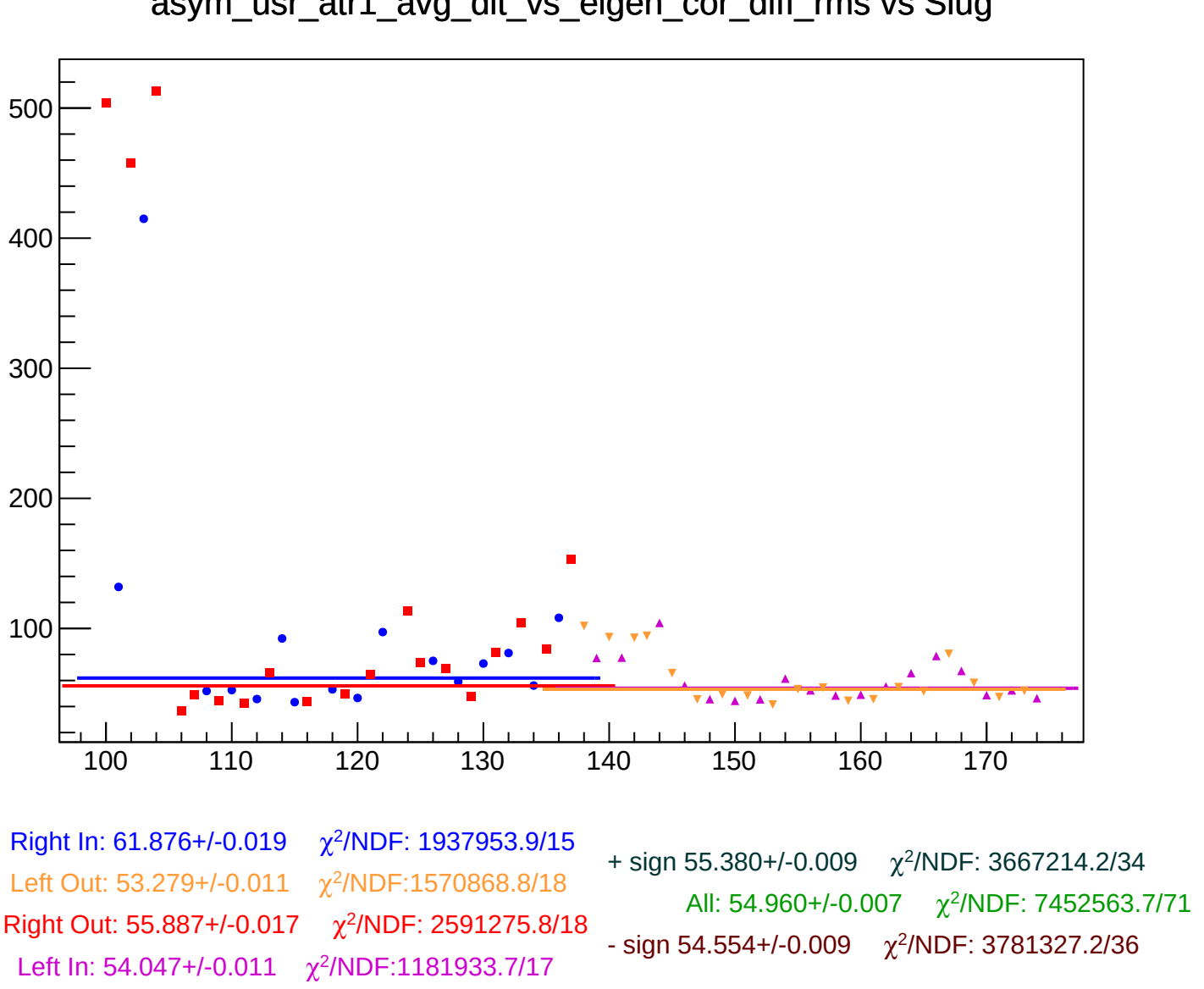
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

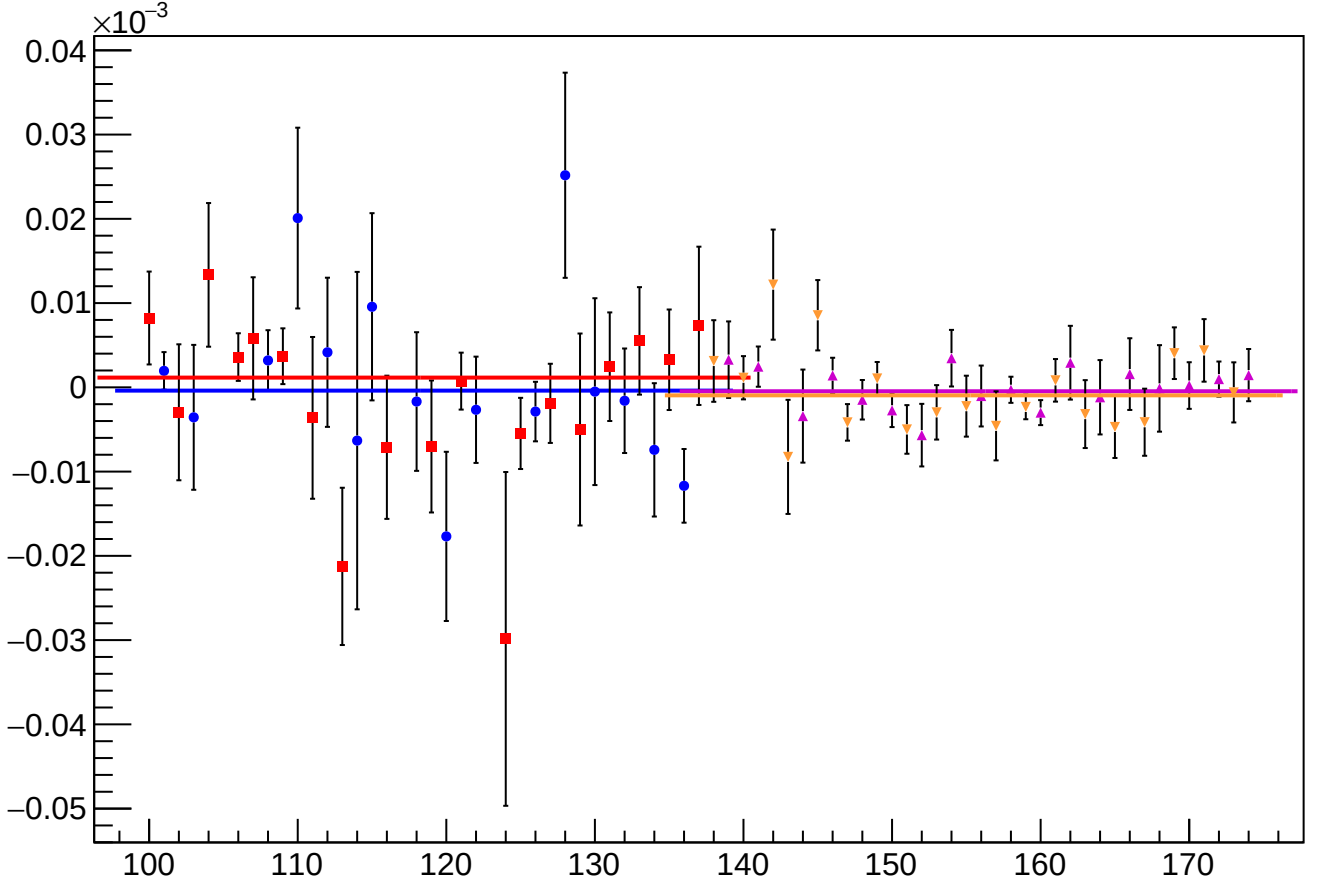
Left In: 0.014+/-0.015 χ^2/NDF:25.6/17

+ sign -0.017+/-0.013 χ^2/NDF: 29.3/34

All: 0.001+/-0.009 χ^2/NDF: 83.7/71

- sign 0.019+/-0.013 χ^2/NDF: 50.5/36


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
160
170
Right In: 61.876+/-0.019 χ²/NDF: 1937953.9/15
Left Out: 53.279+/-0.011 χ²/NDF:1570868.8/18
Right Out: 55.887+/-0.017 χ²/NDF: 2591275.8/18
Left In: 54.047+/-0.011 χ²/NDF:1181933.7/17
+ sign 55.380+/-0.009 χ²/NDF: 3667214.2/34
All: 54.960+/-0.007 χ²/NDF: 7452563.7/71
- sign 54.554+/-0.009 χ²/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:26.4/18

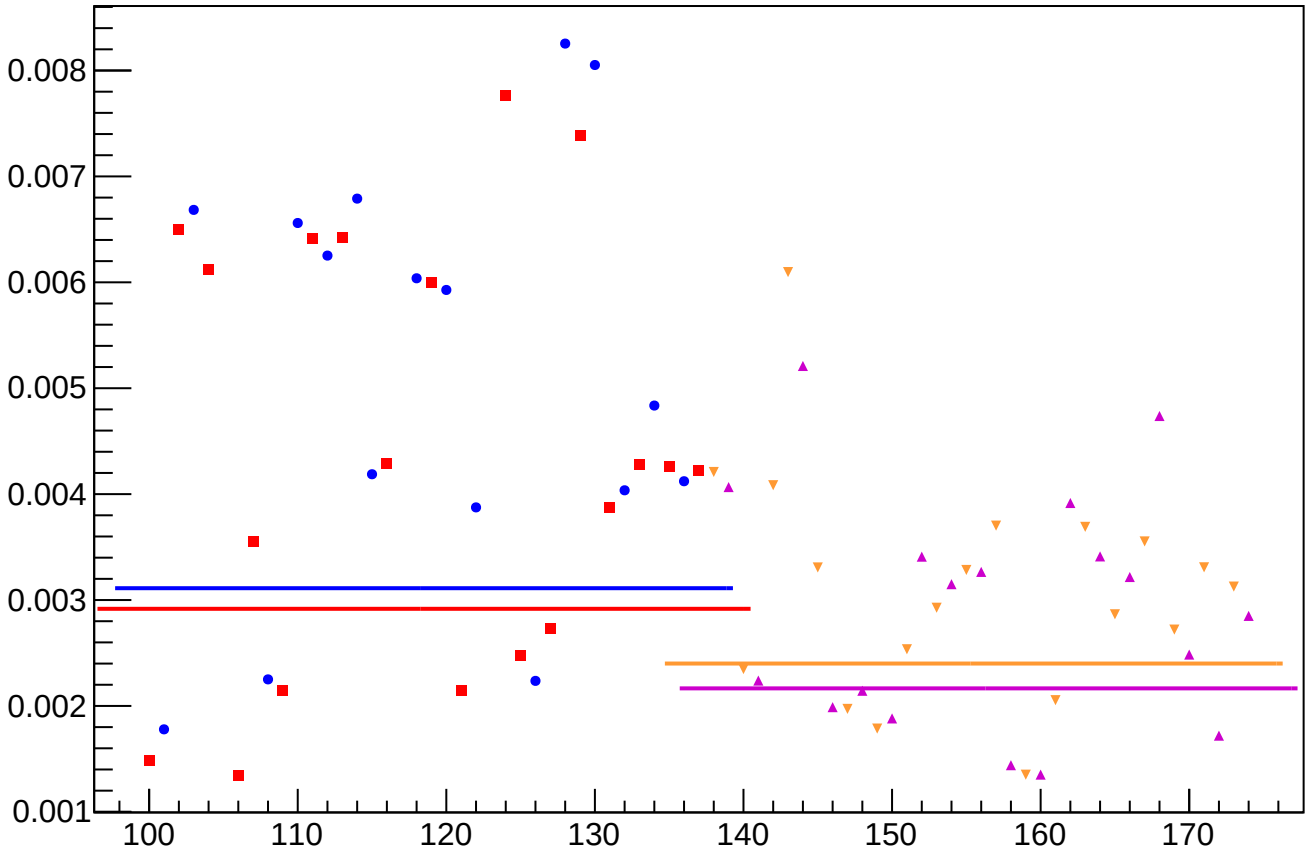
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.8/17

+ sign -0.000+/-0.000 χ^2/NDF: 49.1/34

All: -0.000+/-0.000 χ^2/NDF: 84.4/71

- 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:3455071.4/18

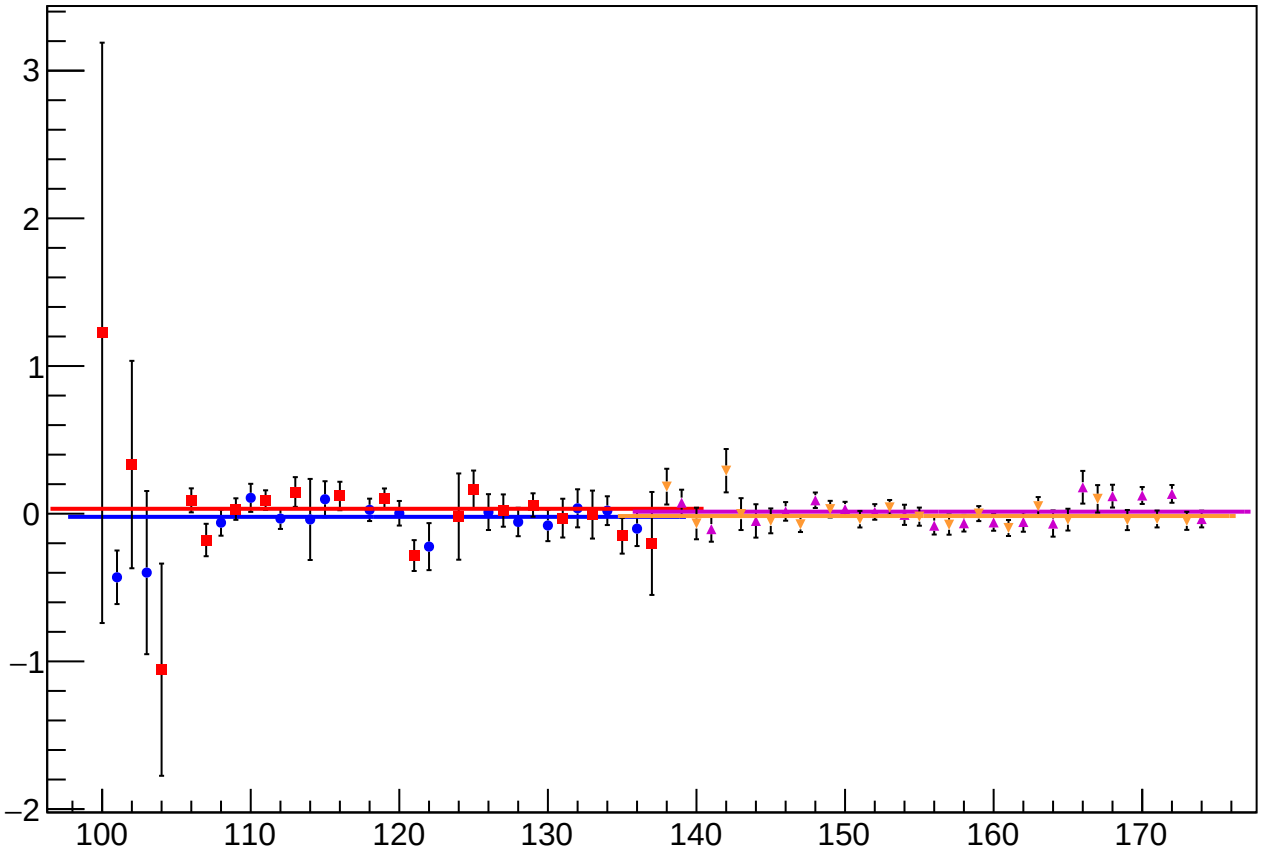
Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:3955965.8/17

+ sign 0.003+/-0.000 χ^2/NDF: 7193548.3/34

All: 0.002+/-0.000 χ^2/NDF: 15194085.6/71

- sign 0.002+/-0.000 χ^2/NDF: 7832972.2/36



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.016+/-0.015 χ^2/NDF:17.3/18

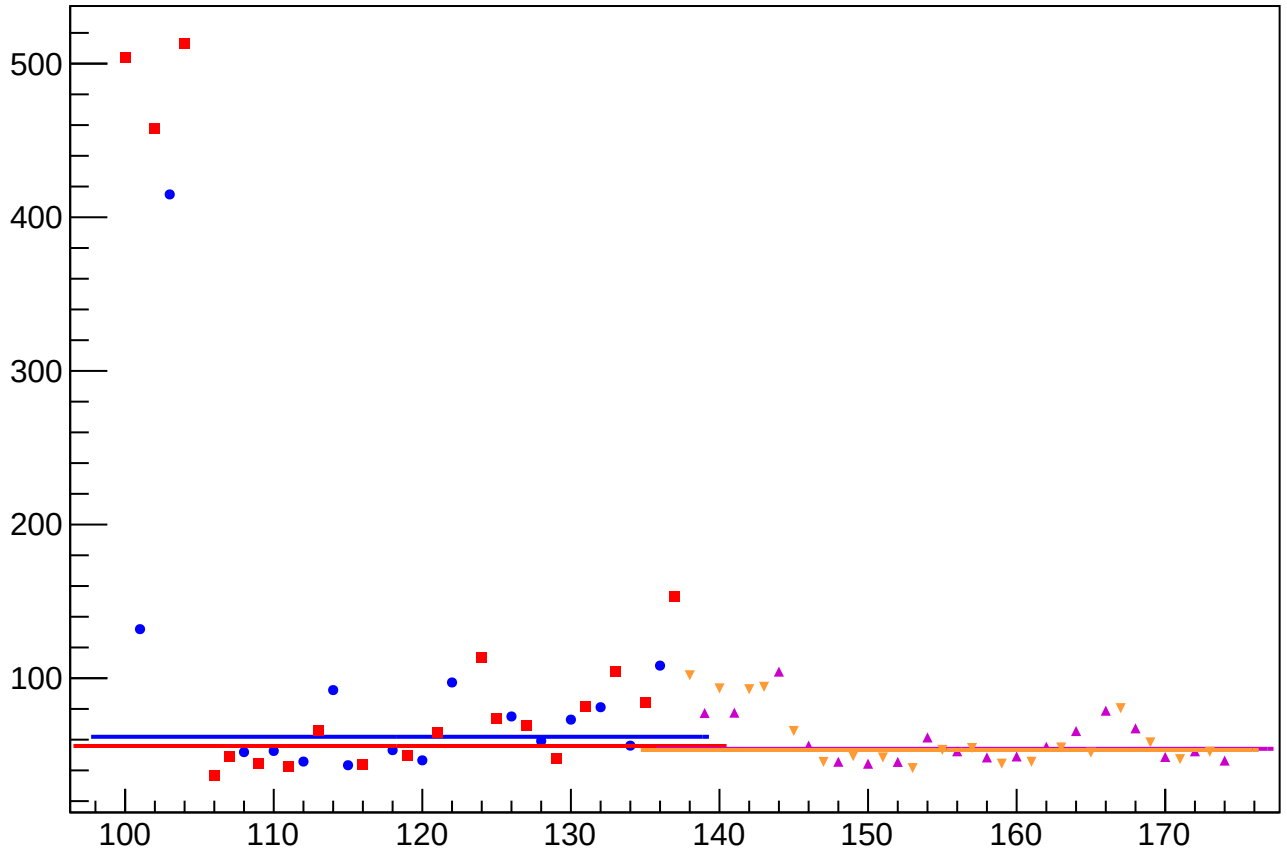
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.014+/-0.015 χ^2/NDF:25.6/17

\+ sign -0.017+/-0.013 χ^2/NDF: 29.3/34

All: 0.001+/-0.009 χ^2/NDF: 83.7/71

\- 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: 53.279+/-0.011 χ^2/NDF:1570909.1/18

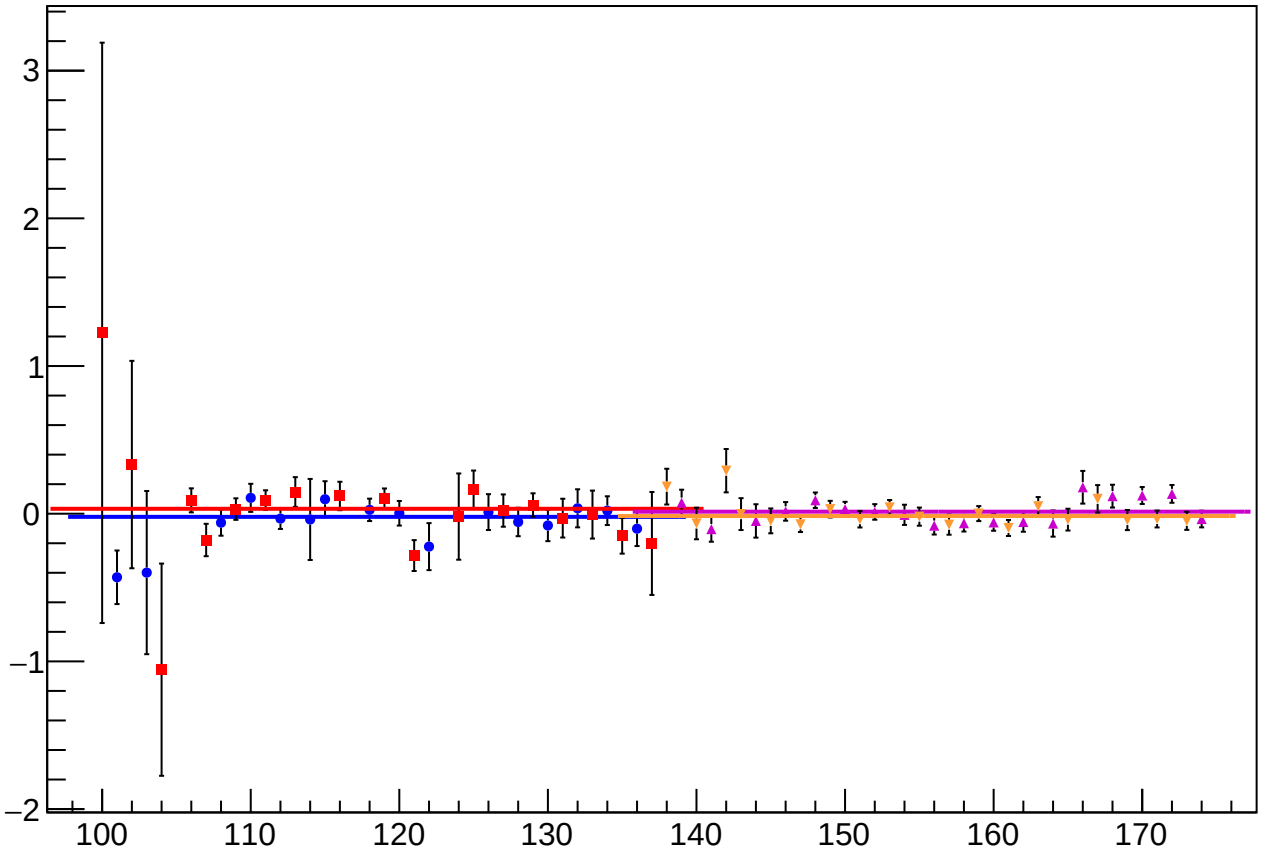
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.047+/-0.011 χ^2/NDF:1181933.1/17

+ sign 55.379+/-0.009 χ^2/NDF: 3667180.5/34

All: 54.960+/-0.007 χ^2/NDF: 7452479.5/71

- 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: -0.016+/-0.015 χ^2/NDF:17.3/18

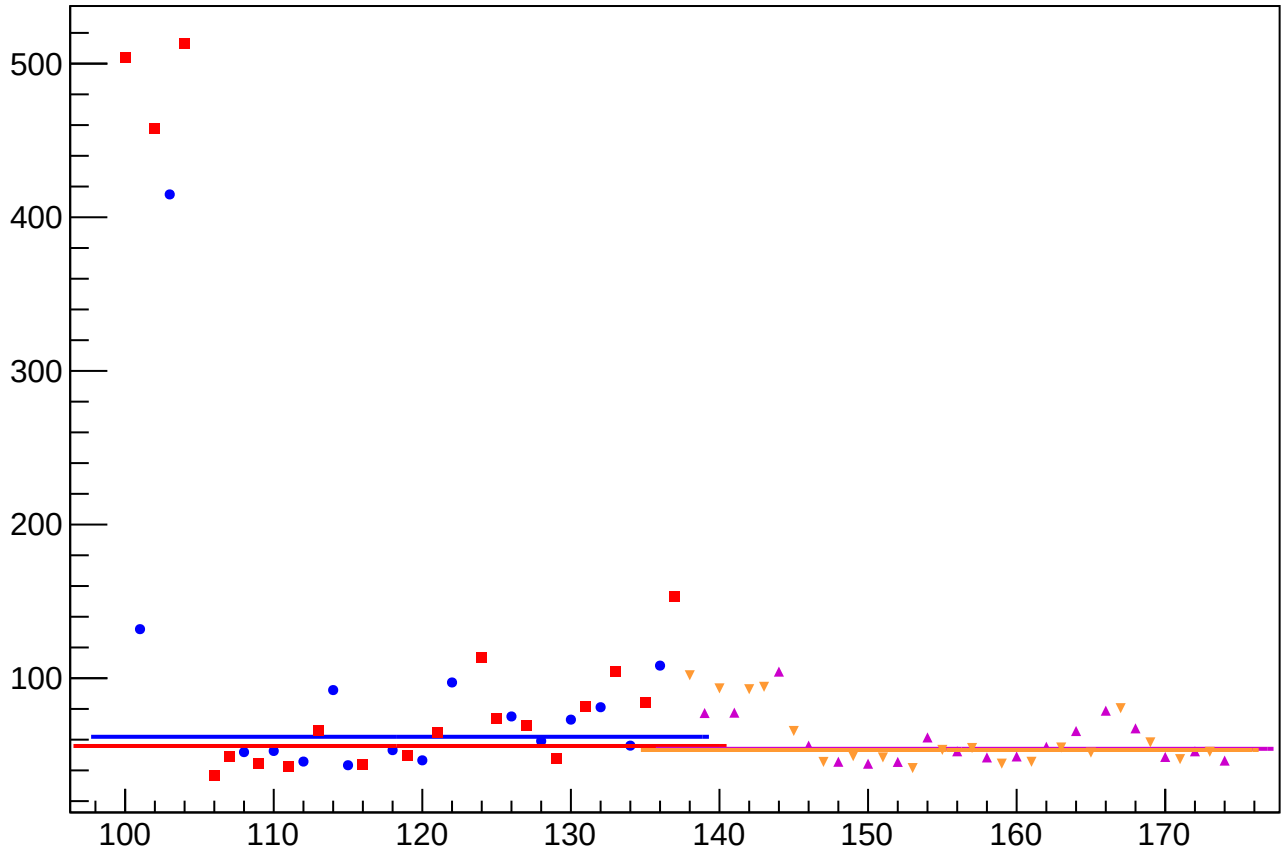
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.014+/-0.015 χ^2/NDF:25.6/17

\+ sign -0.017+/-0.013 χ^2/NDF: 29.3/34

All: 0.001+/-0.009 χ^2/NDF: 83.7/71

\- 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: 53.279+/-0.011 χ^2/NDF:1570909.1/18

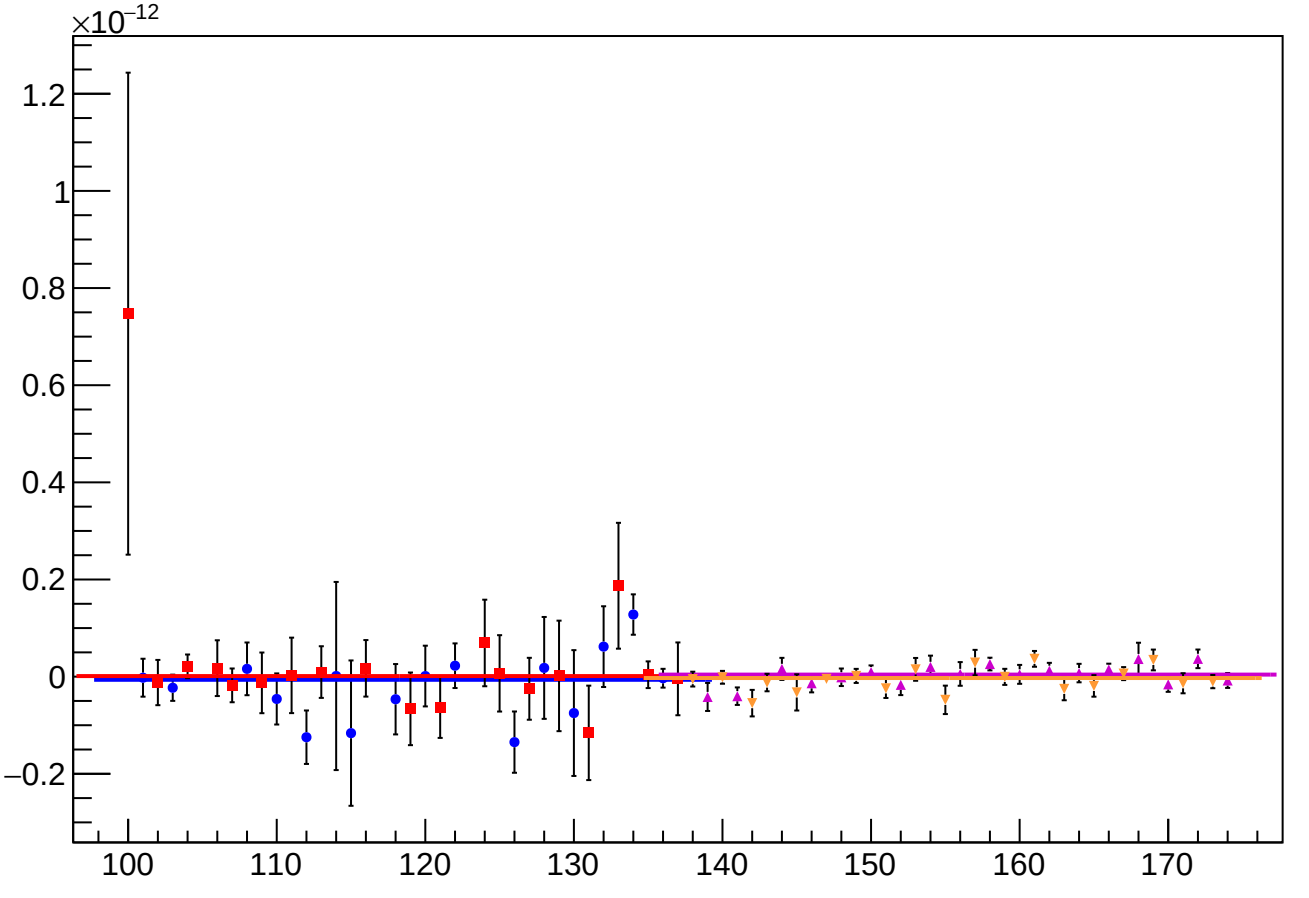
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.047+/-0.011 χ^2/NDF:1181933.1/17

+ sign 55.379+/-0.009 χ^2/NDF: 3667180.5/34

All: 54.960+/-0.007 χ^2/NDF: 7452479.5/71

- 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:21.6/18

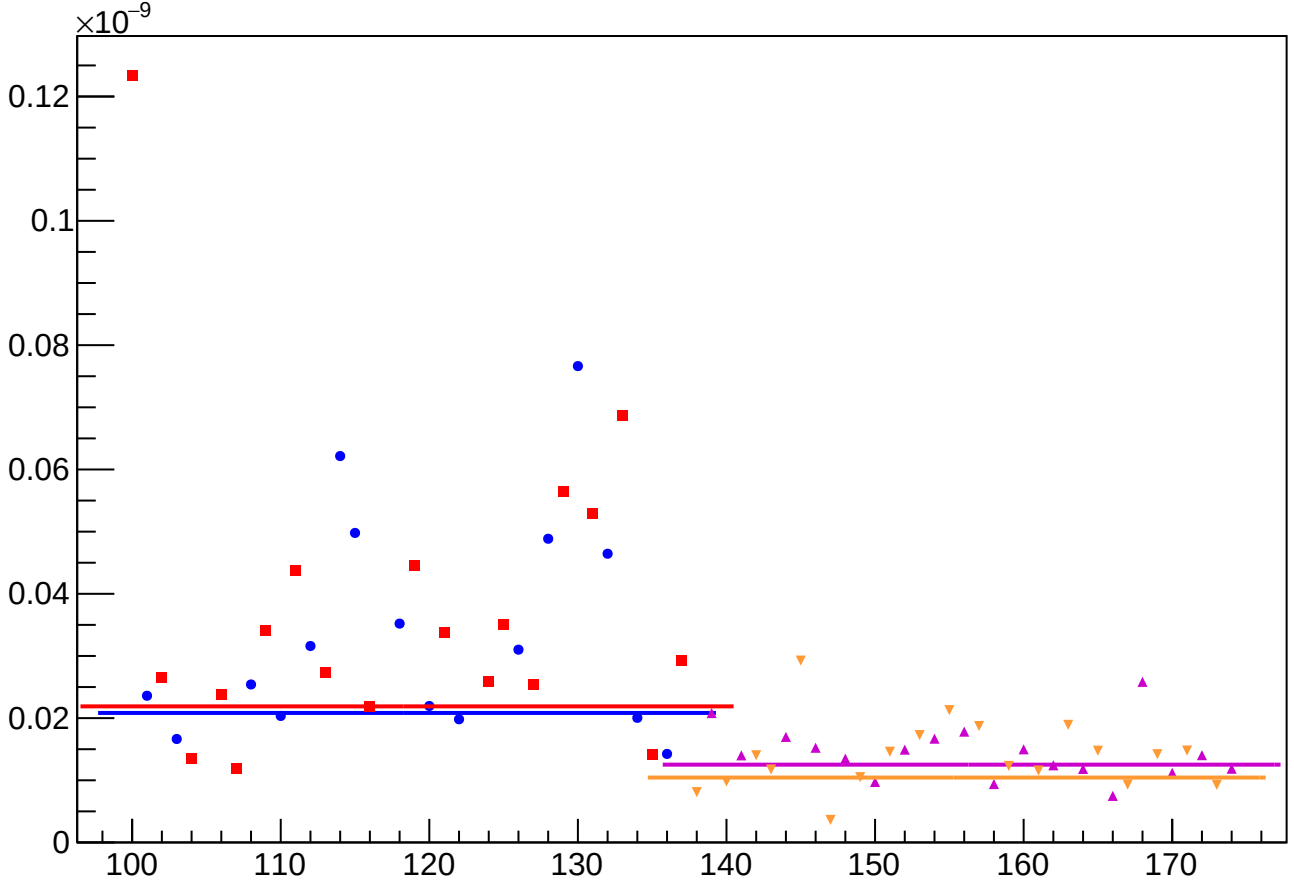
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:21.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 44.3/34

All: 0.000+/-0.000 χ^2/NDF: 77.3/71

- 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:3227103.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

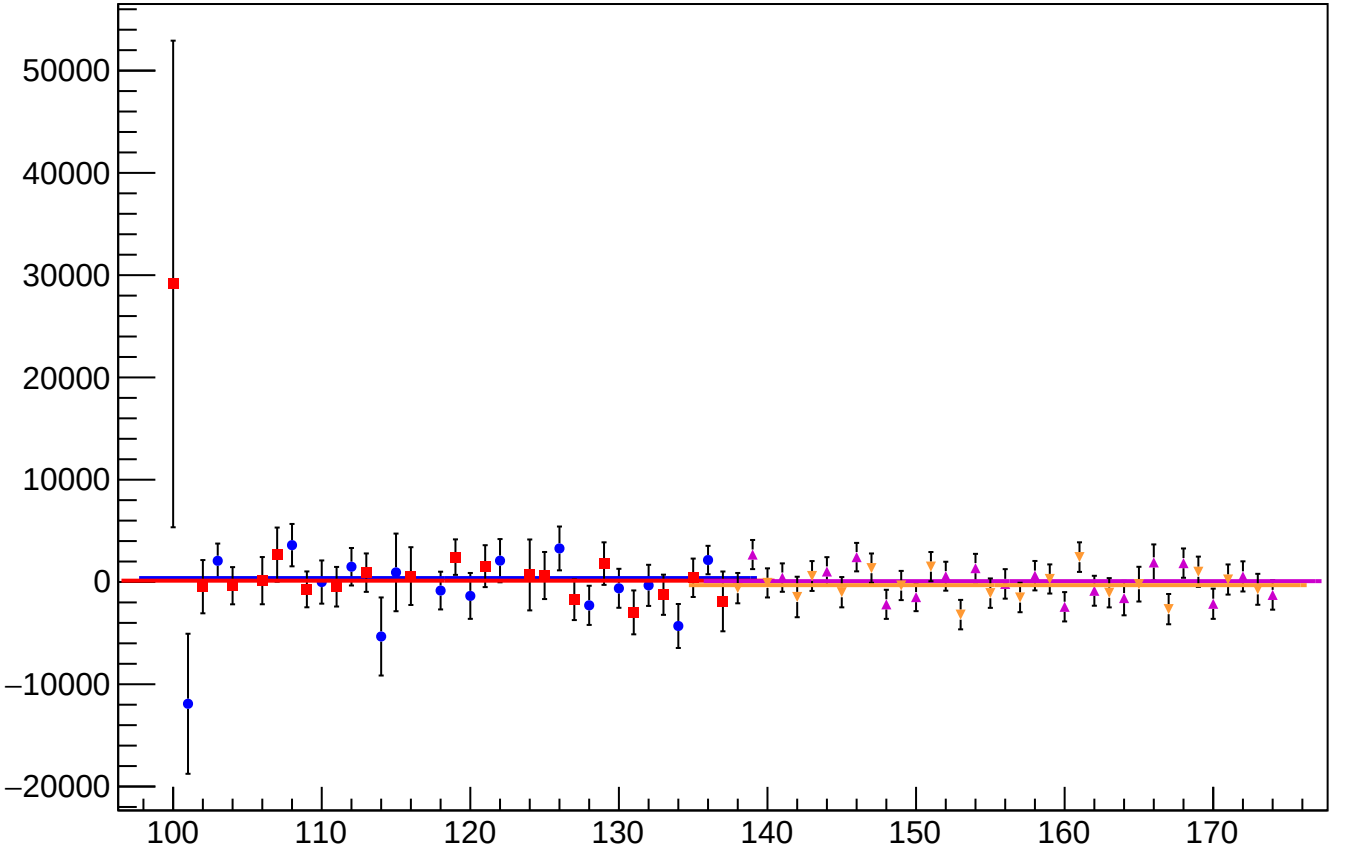
Left In: 0.000+/-0.000 χ^2/NDF:1422879.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 6133141.3/34

All: 0.000+/-0.000 χ^2/NDF: 10855421.4/71

- 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: -310.669+/-339.838 χ^2/NDF:16.5/18

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

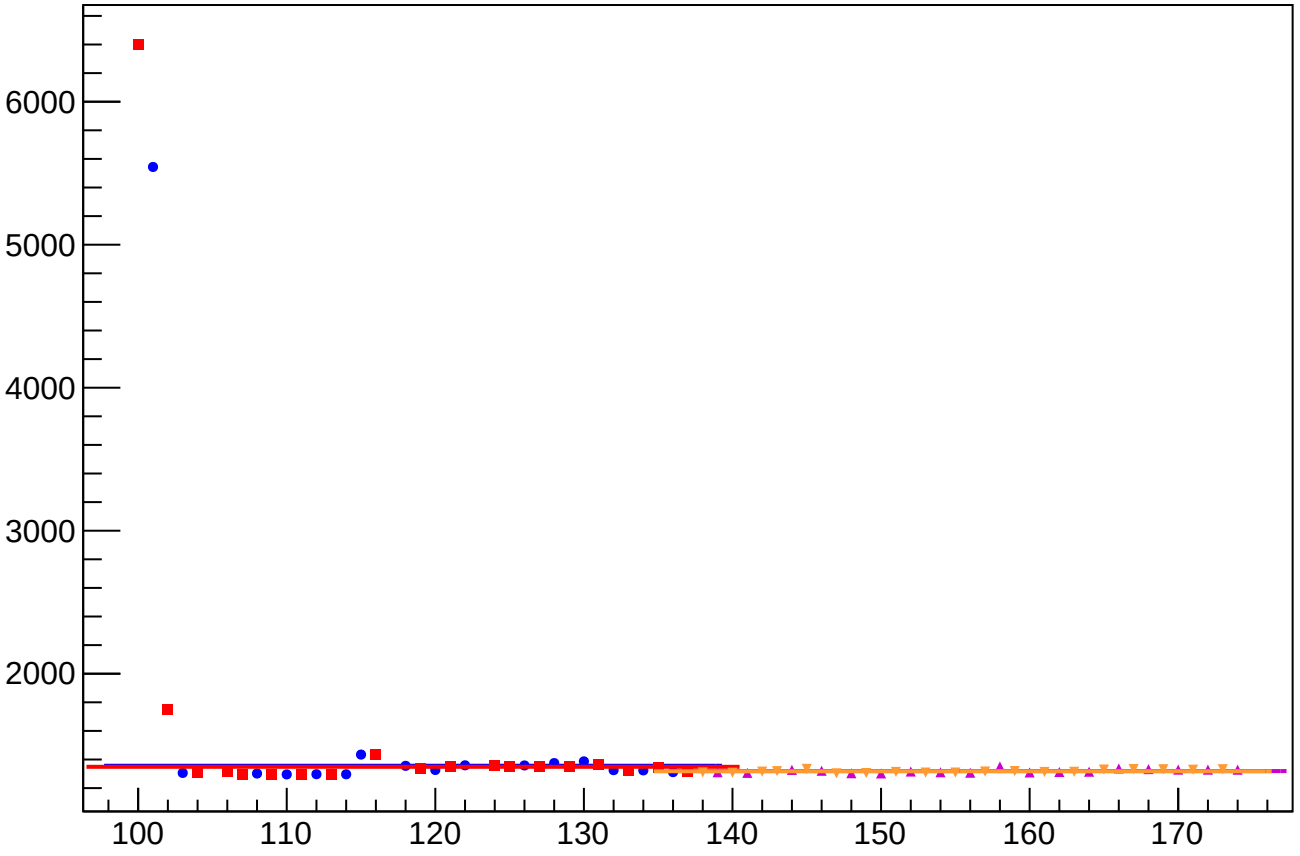
Left In: 81.454+/-341.984 χ^2/NDF:21.9/17

+ sign -102.305+/-284.111 χ^2/NDF: 39.3/34

All: -2.458+/-200.308 χ^2/NDF: 71.4/71

- 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: 1317.687+/-0.240 χ^2/NDF:1765.5/18

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

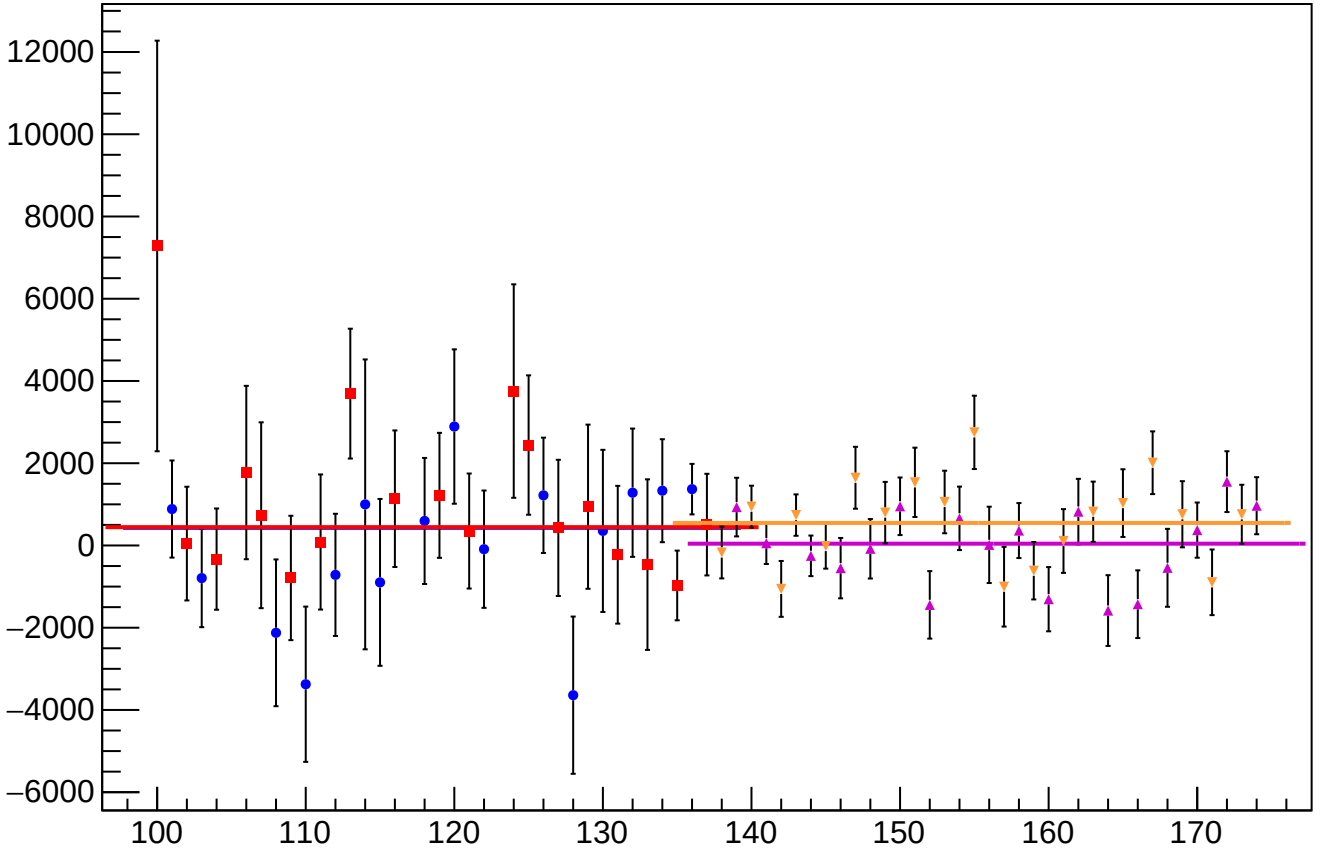
Left In: 1319.260+/-0.242 χ^2/NDF:2848.8/17

+ sign 1329.342+/-0.201 χ^2/NDF: 769844.5/34

All: 1329.021+/-0.142 χ^2/NDF: 924763.5/71

- 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: 547.798+/-160.907 χ^2/NDF:32.1/18

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

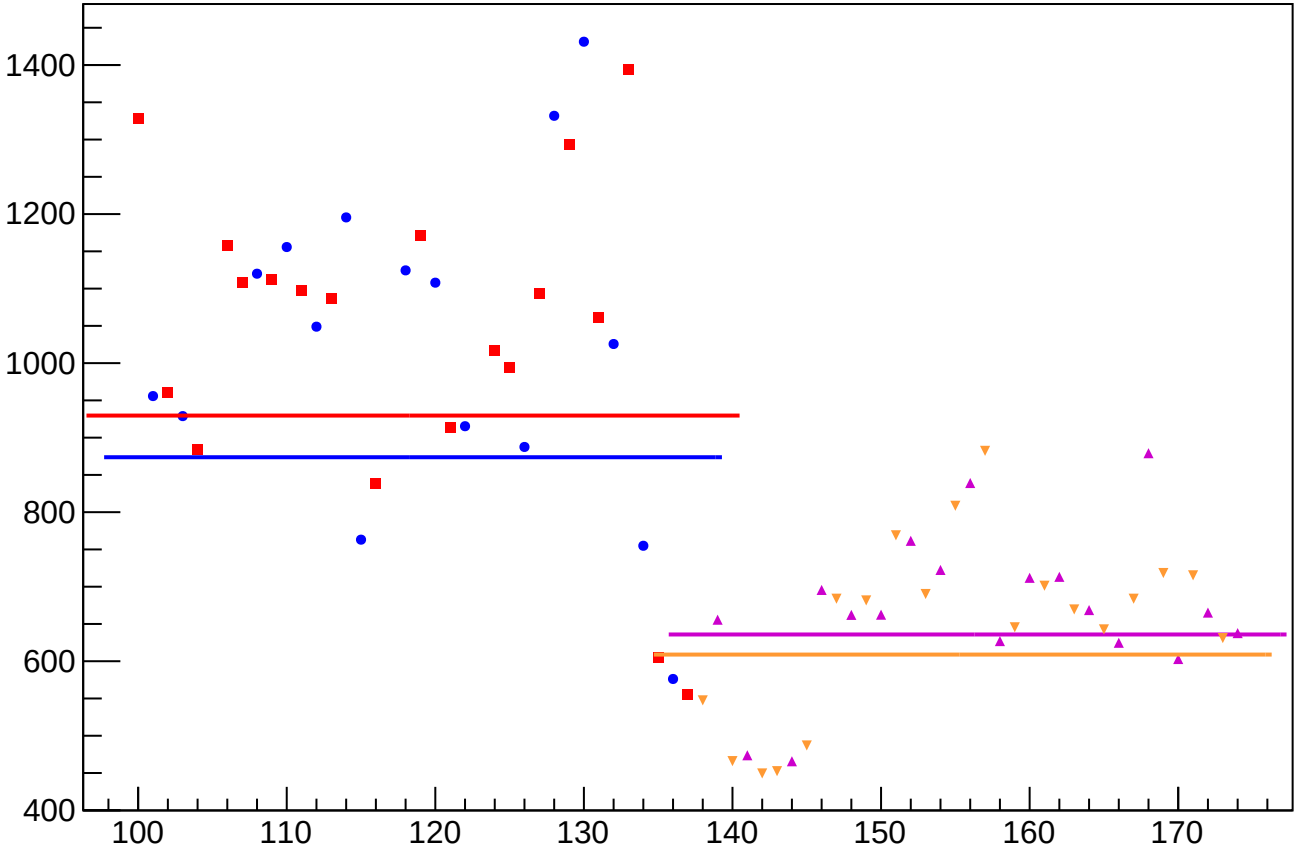
Left In: 43.517+/-167.535 χ^2/NDF:25.7/17

+ sign 526.149+/-145.320 χ^2/NDF: 50.4/34

All: 329.862+/-104.892 χ^2/NDF: 95.3/71

- 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: 608.916+/-0.114 χ^2/NDF:1115451.5/18

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

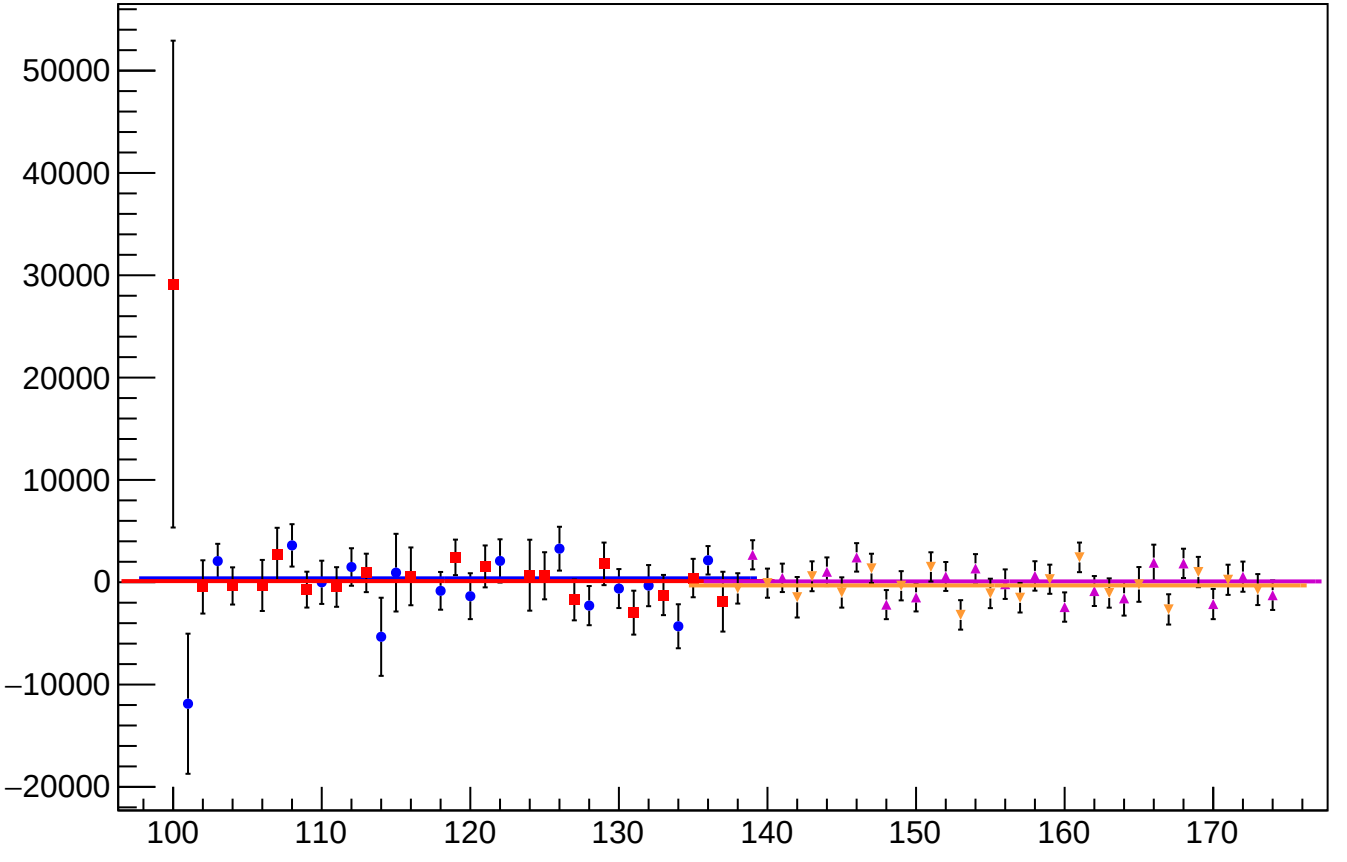
Left In: 635.886+/-0.118 χ^2/NDF:812670.7/17

+ sign 657.735+/-0.103 χ^2/NDF: 3128957.7/34

All: 672.829+/-0.074 χ^2/NDF: 5963517.4/71

- 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: -310.690+/-339.838 χ^2/NDF:16.5/18

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

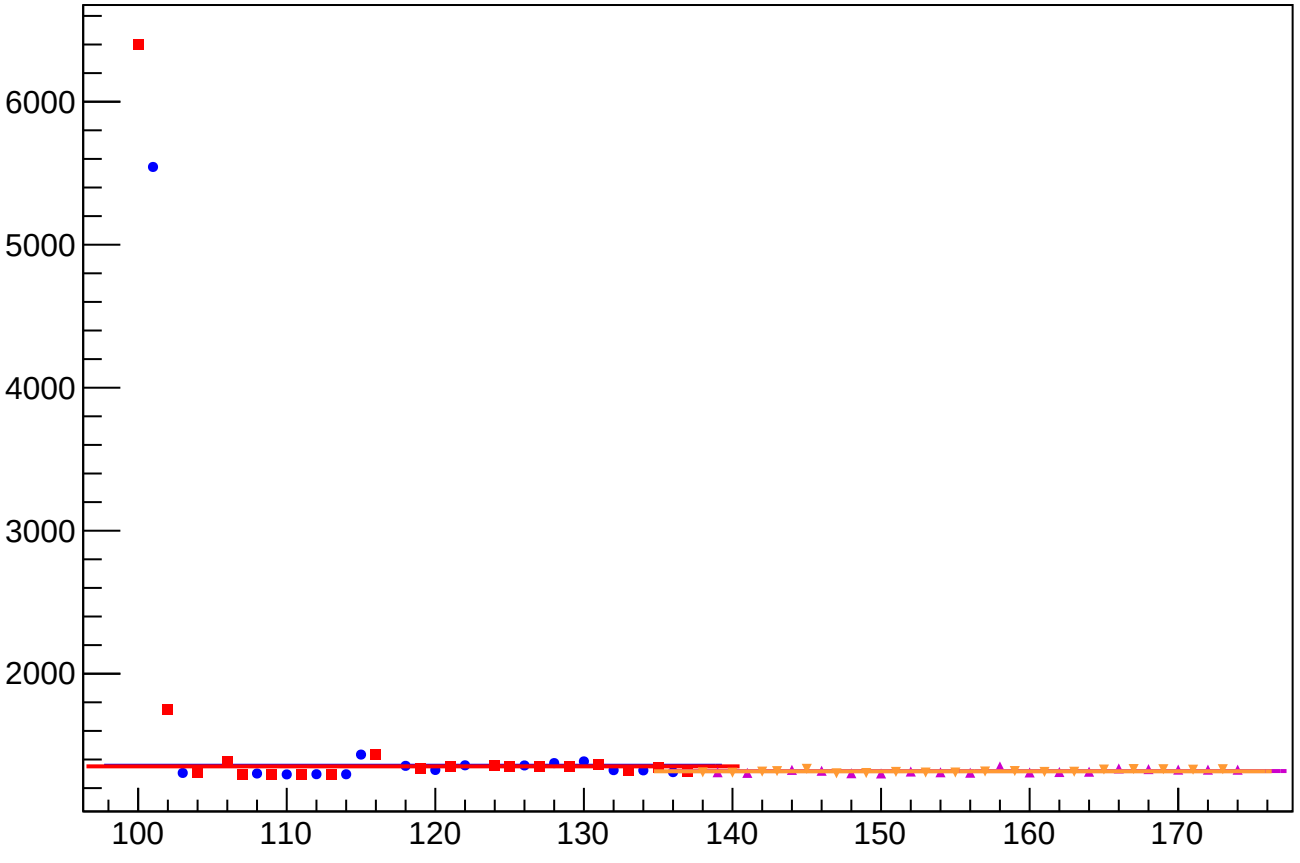
Left In: 81.497+/-341.984 χ^2/NDF:21.9/17

+ sign -102.227+/-284.111 χ^2/NDF: 39.2/34

All: -5.351+/-200.416 χ^2/NDF: 71.4/71

- 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: 1317.687+/-0.240 χ^2/NDF:1765.5/18

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

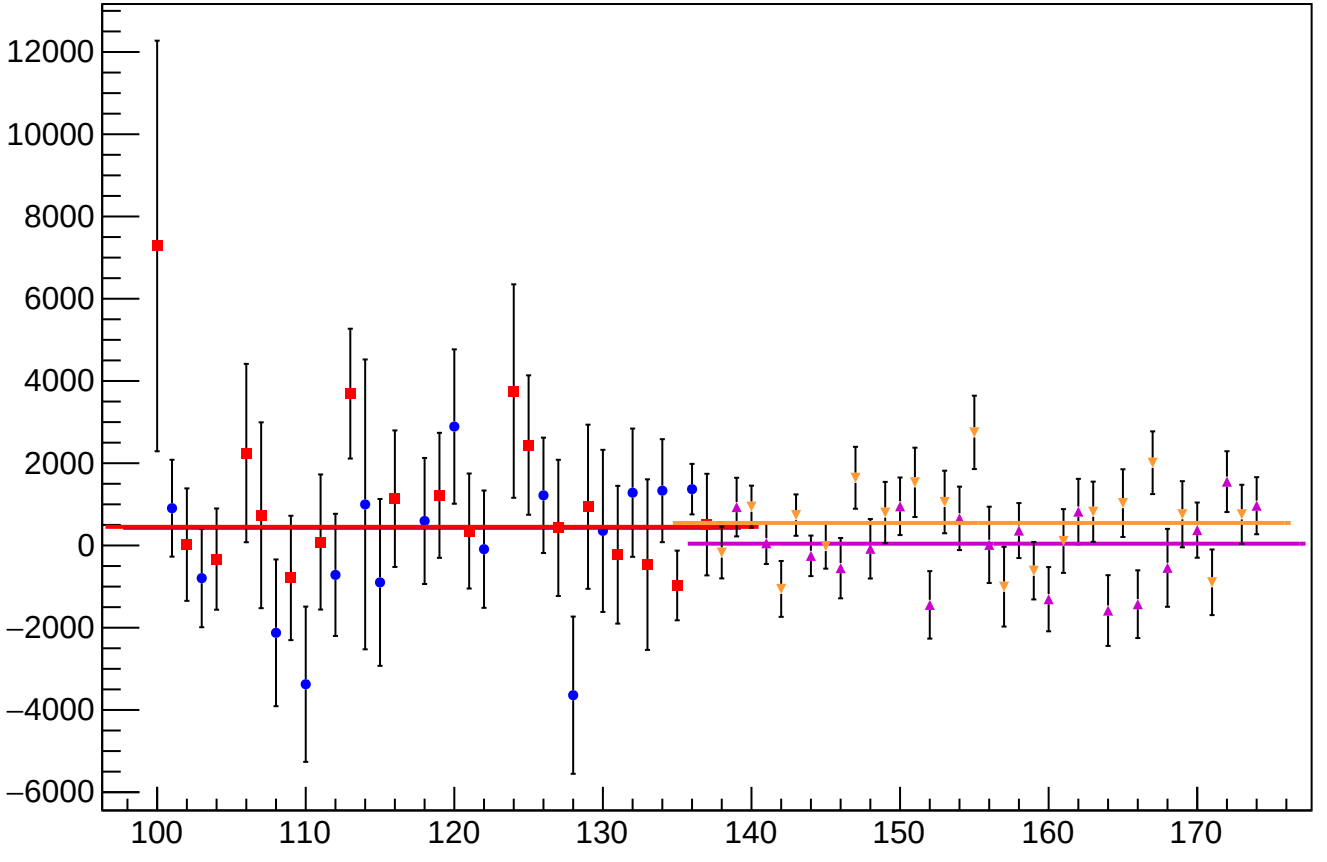
Left In: 1319.260+/-0.242 χ^2/NDF:2848.8/17

+ sign 1329.342+/-0.201 χ^2/NDF: 769843.5/34

All: 1329.494+/-0.142 χ^2/NDF: 925849.1/71

- 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: 547.782+/-160.906 χ^2/NDF:32.1/18

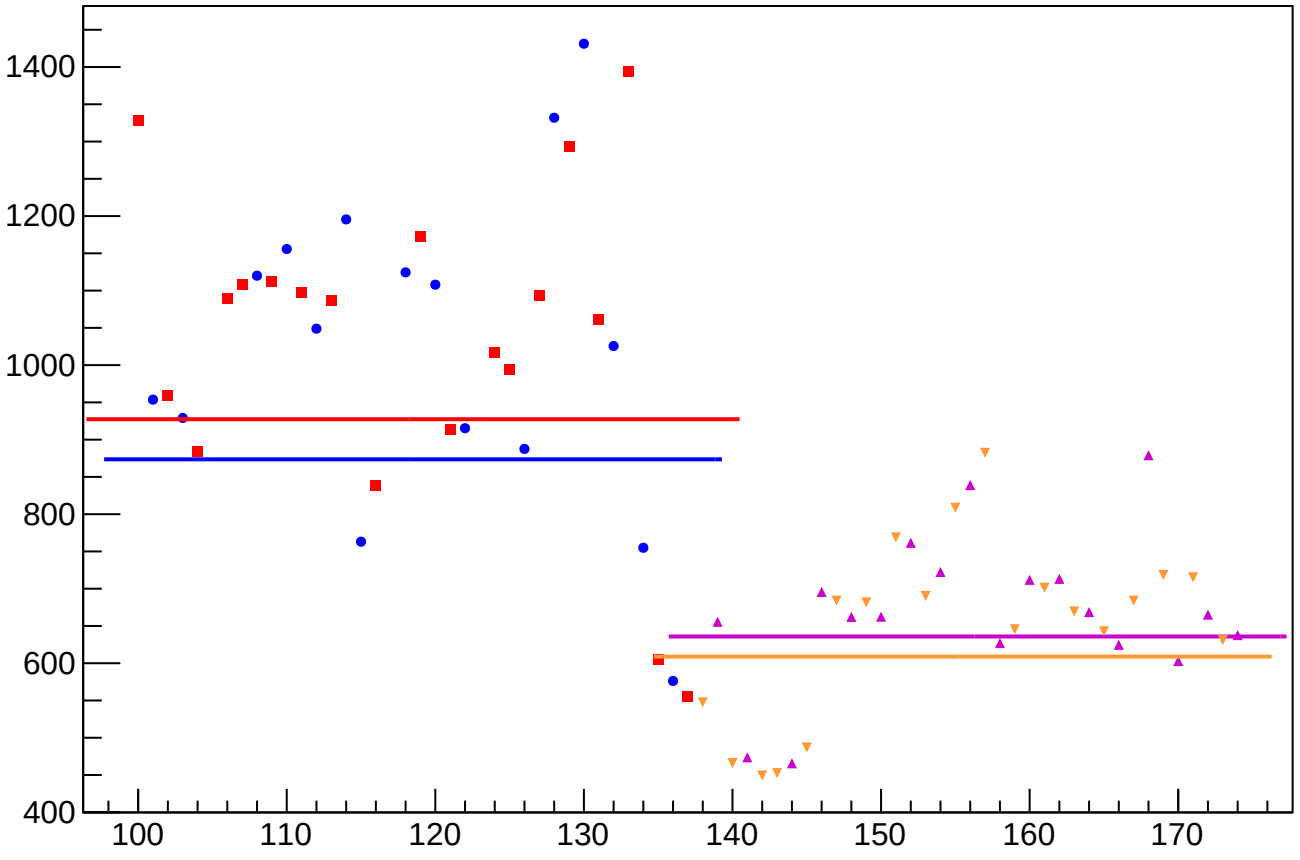
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 43.517+/-167.534 χ^2/NDF:25.7/17

+ sign 526.456+/-145.316 χ^2/NDF: 50.4/34

All: 330.765+/-104.890 χ^2/NDF: 95.7/71

- sign 117.905+/-151.556 χ^2/NDF: 41.5/36



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 608.916+/-0.114 χ^2/NDF:1115371.4/18

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

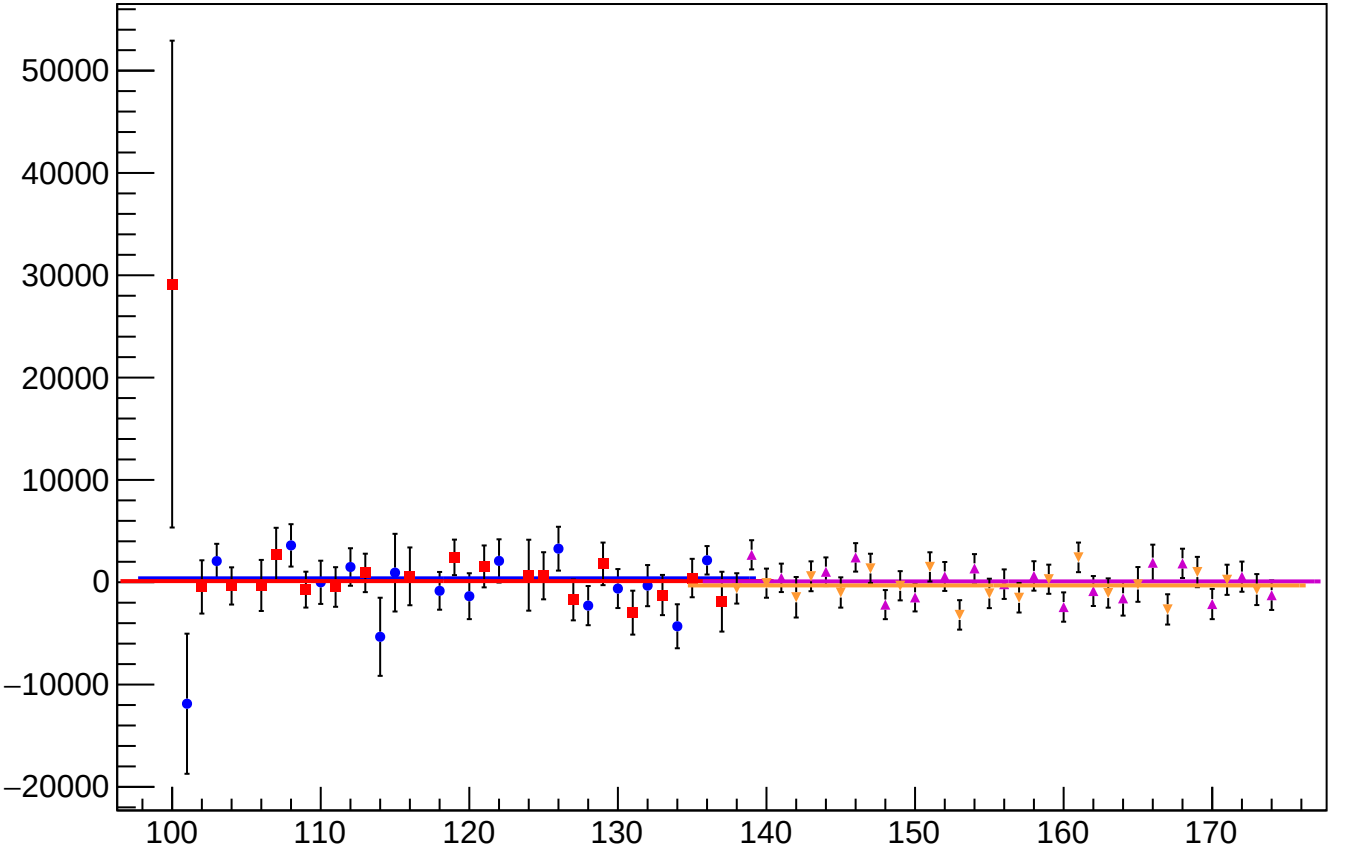
Left In: 635.880+/-0.118 χ^2/NDF:812735.1/17

+ sign 657.725+/-0.103 χ^2/NDF: 3127741.2/34

All: 672.626+/-0.074 χ^2/NDF: 5931802.8/71

- 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: -310.690+/-339.838 χ^2/NDF:16.5/18

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

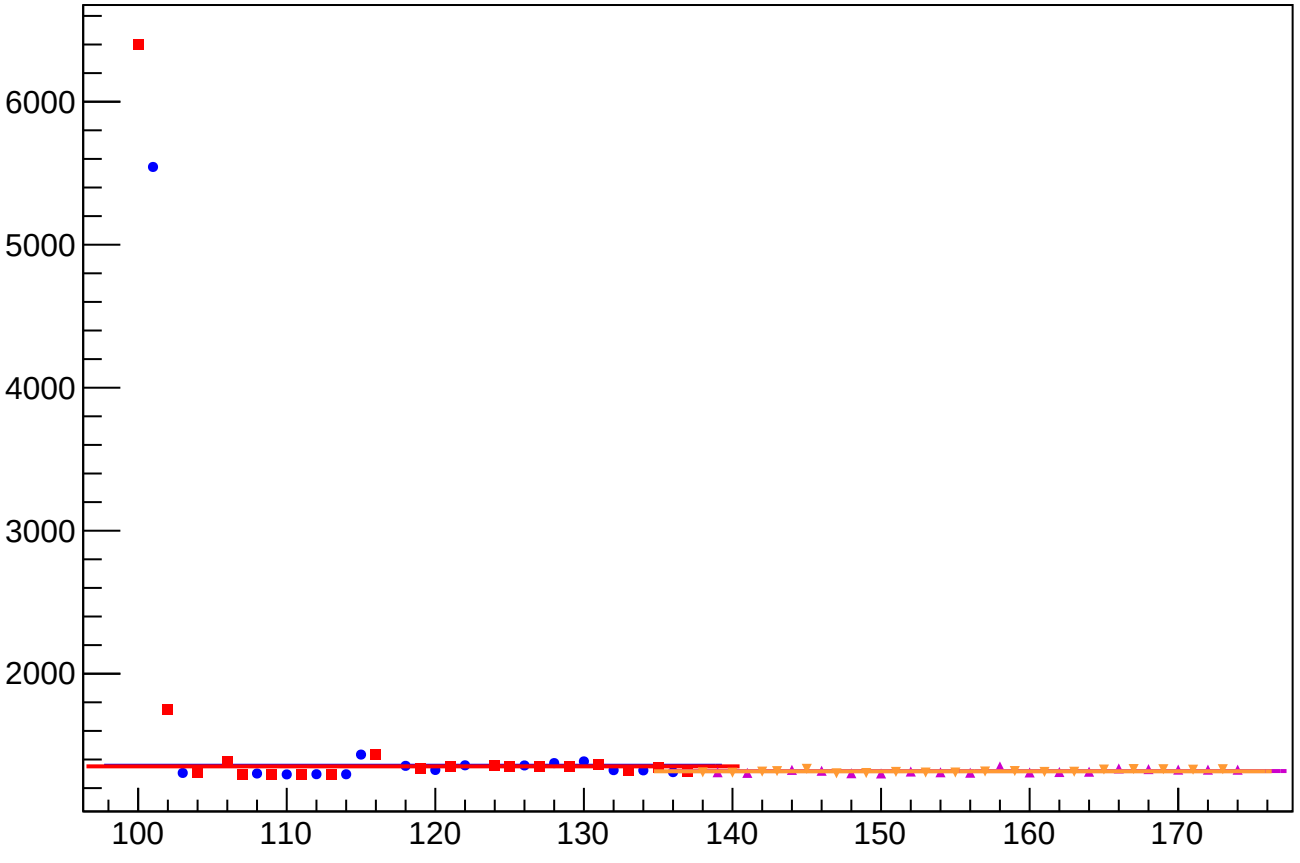
Left In: 81.497+/-341.984 χ^2/NDF:21.9/17

+ sign -102.227+/-284.111 χ^2/NDF: 39.2/34

All: -5.351+/-200.416 χ^2/NDF: 71.4/71

- 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: 1317.687+/-0.240 χ^2/NDF:1765.5/18

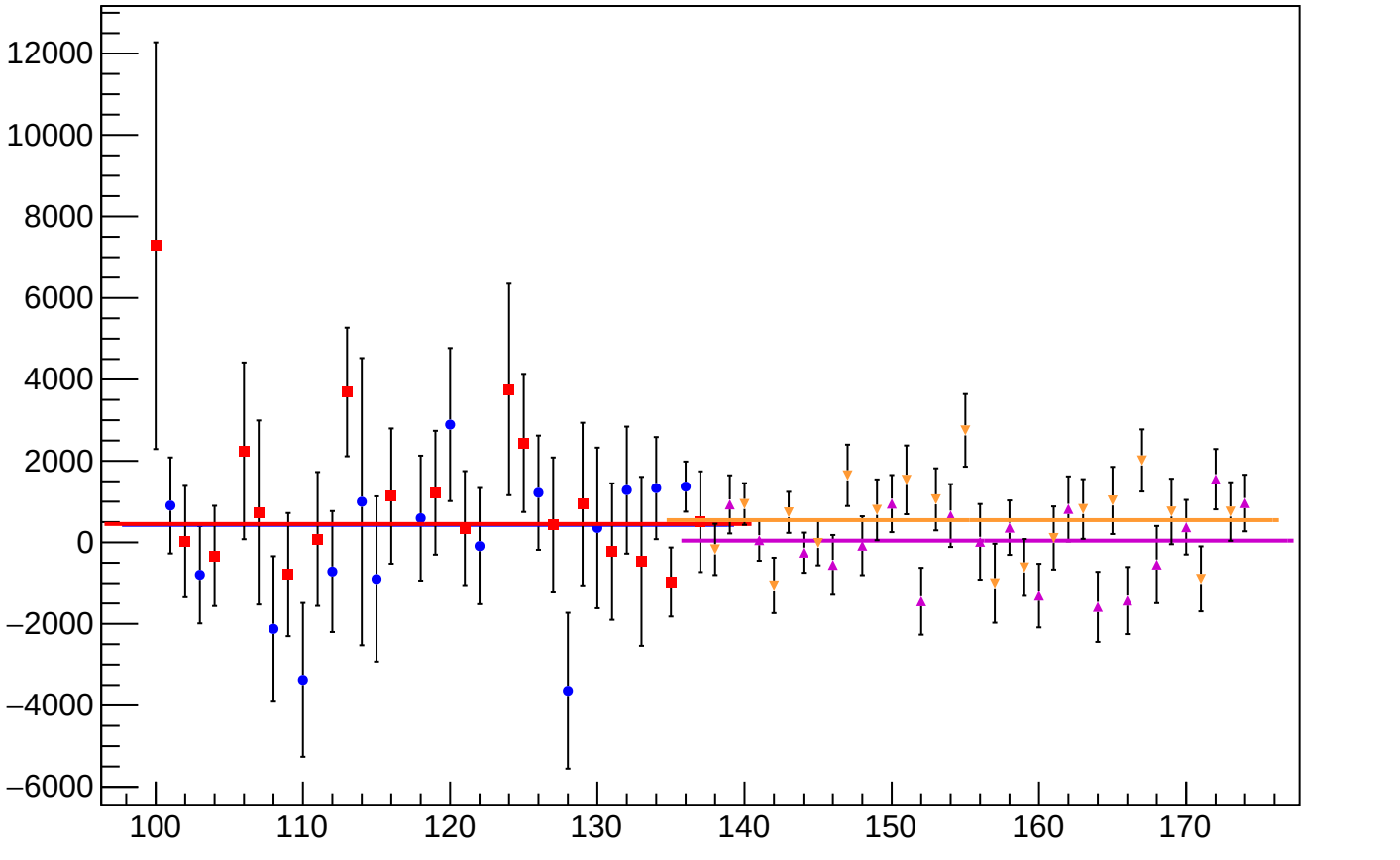
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1319.260+/-0.242 χ^2/NDF:2848.8/17

+ sign 1329.342+/-0.201 χ^2/NDF: 769843.5/34

All: 1329.494+/-0.142 χ^2/NDF: 925849.1/71

- 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: 547.782+/-160.906 χ^2/NDF:32.1/18

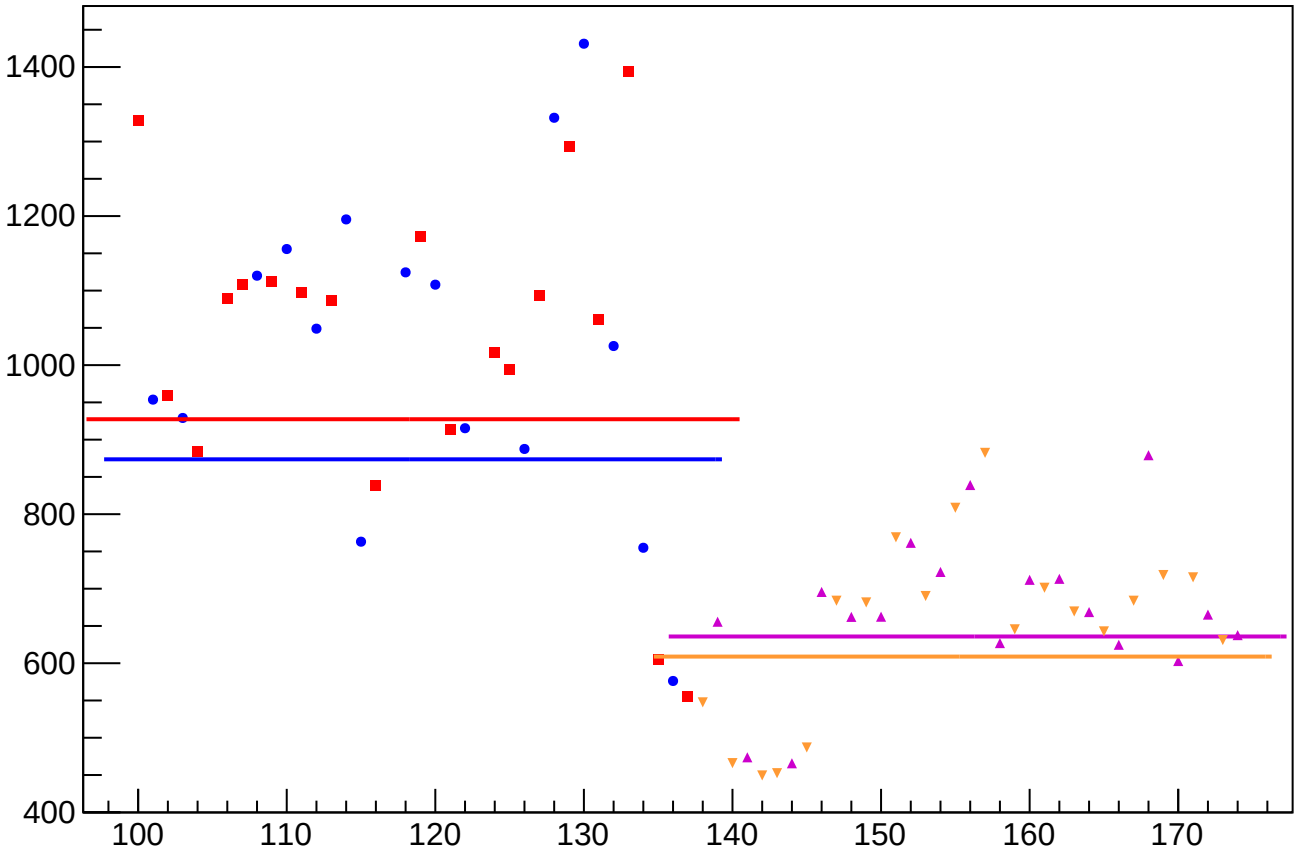
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 43.517+/-167.534 χ^2/NDF:25.7/17

+ sign 526.456+/-145.316 χ^2/NDF: 50.4/34

All: 330.765+/-104.890 χ^2/NDF: 95.7/71

- sign 117.905+/-151.556 χ^2/NDF: 41.5/36



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 608.916+/-0.114 χ^2/NDF:1115371.4/18

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

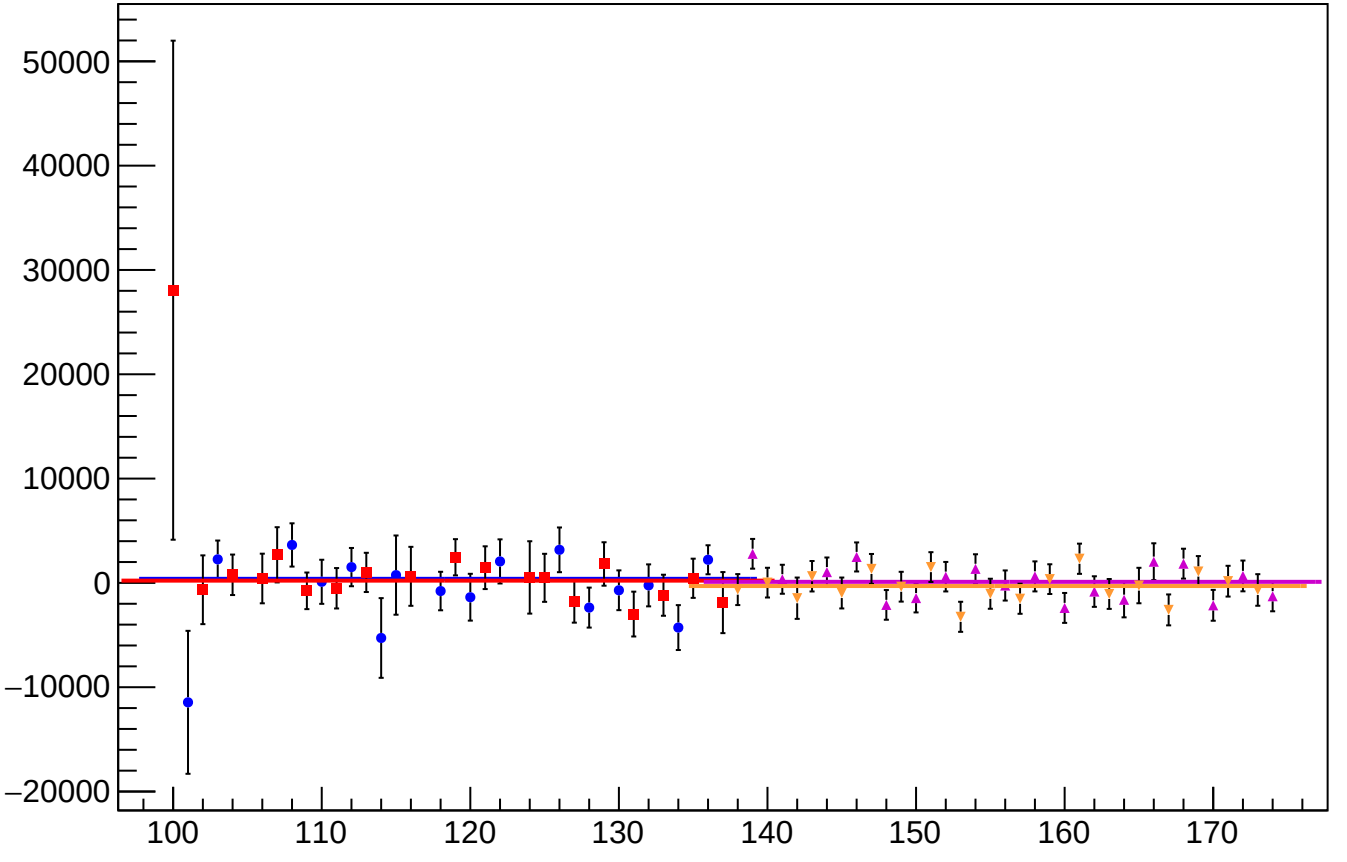
Left In: 635.880+/-0.118 χ^2/NDF:812735.1/17

+ sign 657.725+/-0.103 χ^2/NDF: 3127741.2/34

All: 672.626+/-0.074 χ^2/NDF: 5931802.8/71

- 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: -300.962+/-340.100 χ^2/NDF:16.3/18

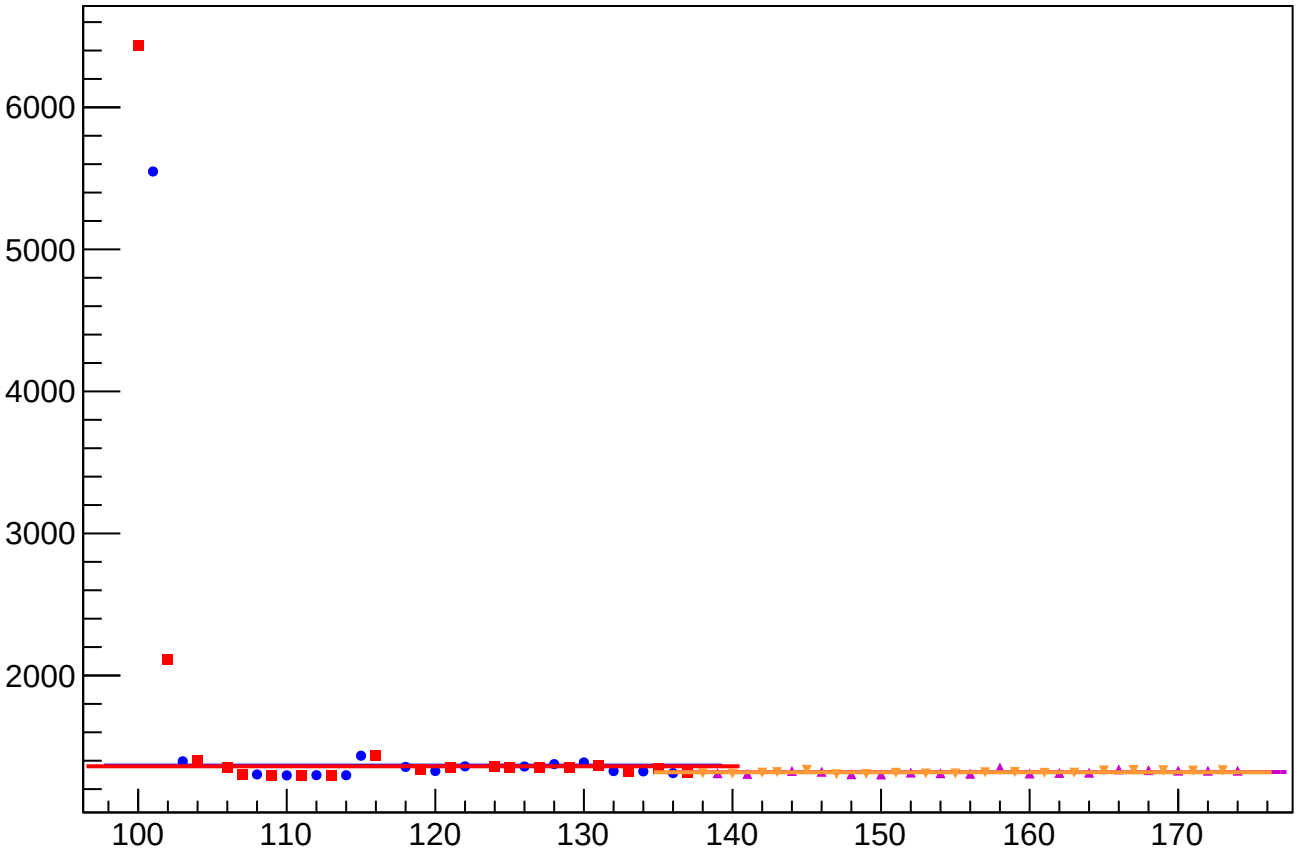
Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: 101.730+/-342.243 χ^2/NDF:22.3/17

+ sign -94.606+/-284.818 χ^2/NDF: 39.0/34

All: 22.150+/-201.045 χ^2/NDF: 71.6/71

- sign 138.093+/-283.825 χ^2/NDF: 32.3/36



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1318.704+/-0.240 χ^2/NDF:1762.8/18

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

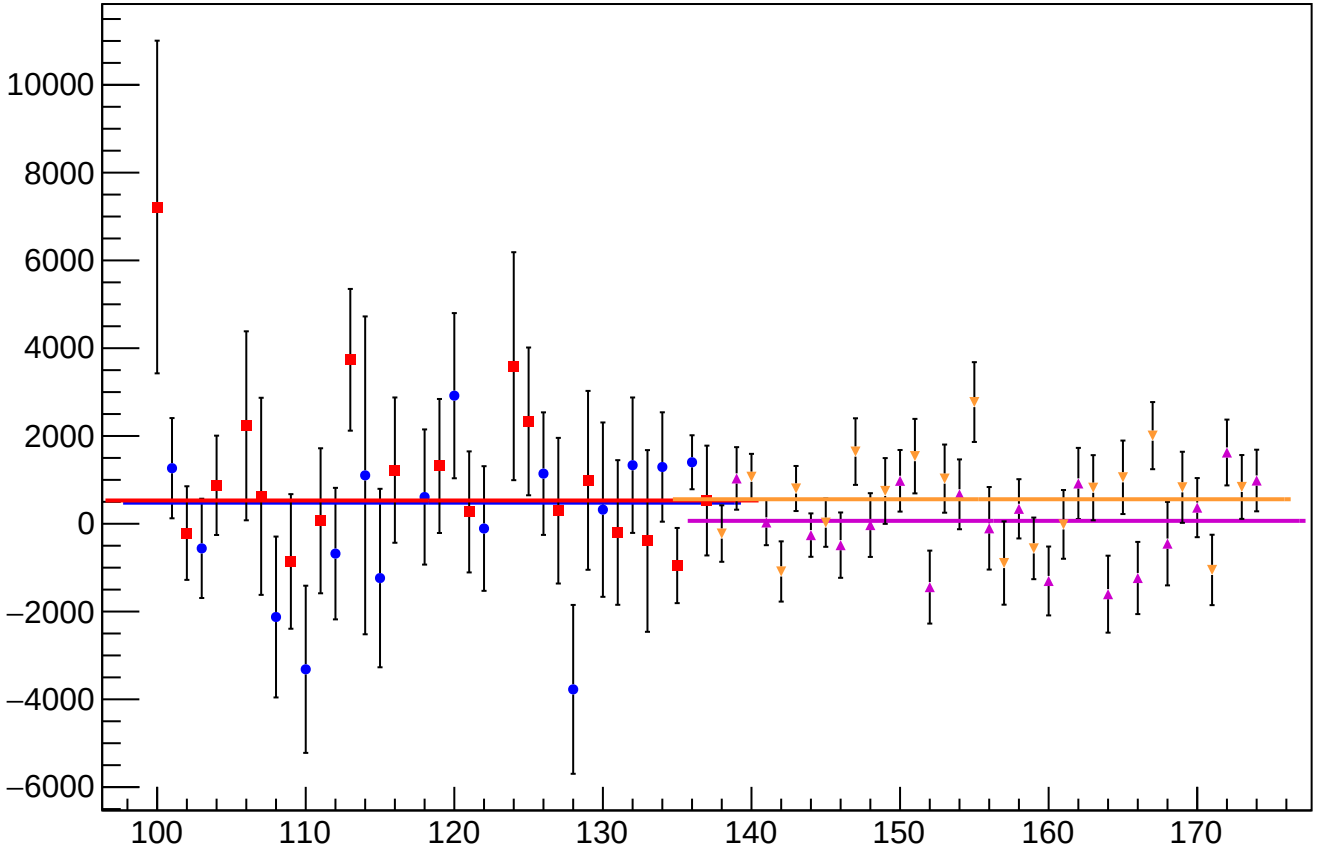
Left In: 1320.256+/-0.242 χ^2/NDF:2874.8/17

+ sign 1332.621+/-0.201 χ^2/NDF: 771921.3/34

All: 1332.764+/-0.142 χ^2/NDF: 988864.0/71

- 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: 558.659+/-162.711 χ^2/NDF:32.9/18

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

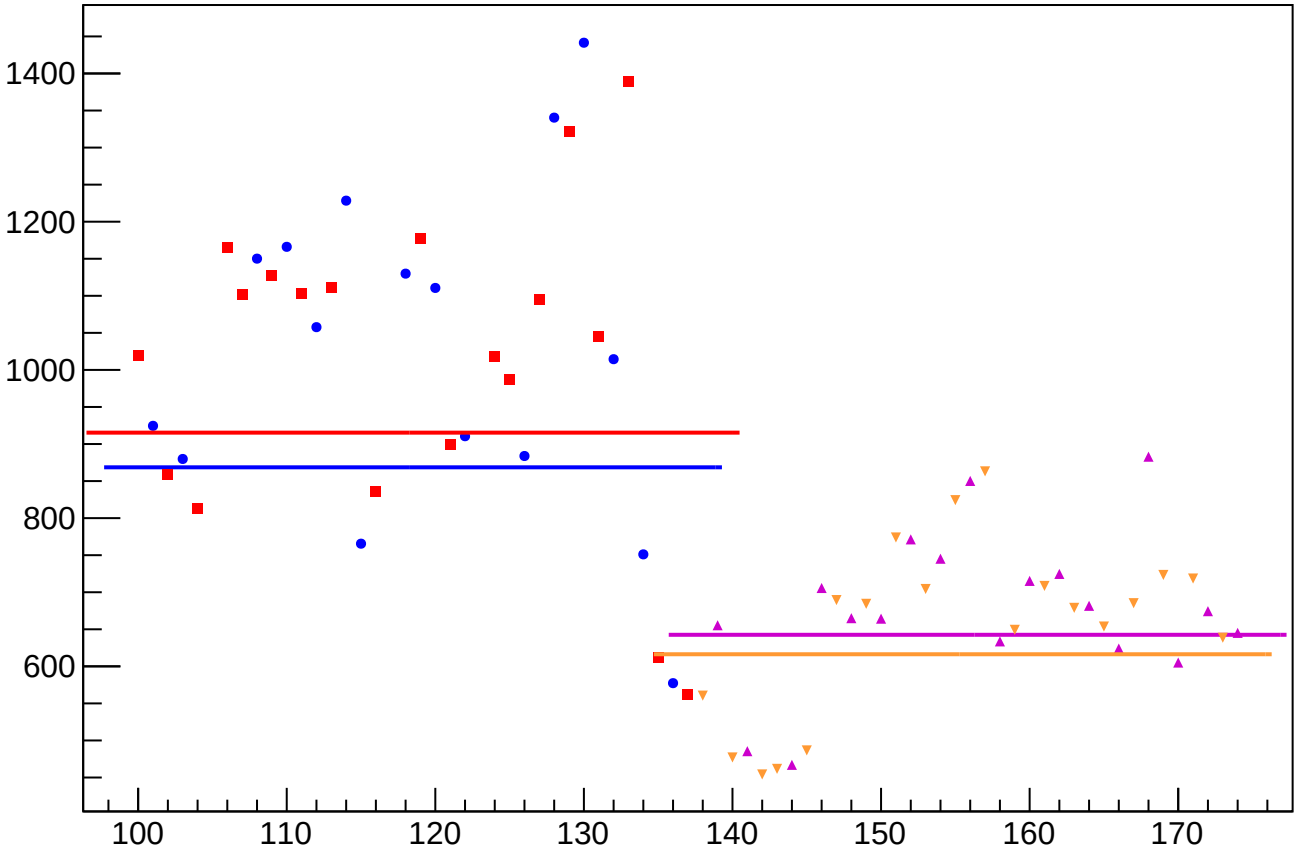
Left In: 66.327+/-169.253 χ^2/NDF:25.4/17

\+ sign 543.830+/-146.486 χ^2/NDF: 51.5/34

All: 357.095+/-105.492 χ^2/NDF: 97.4/71

\- 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: 616.325+/-0.115 χ^2/NDF:1067068.1/18

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

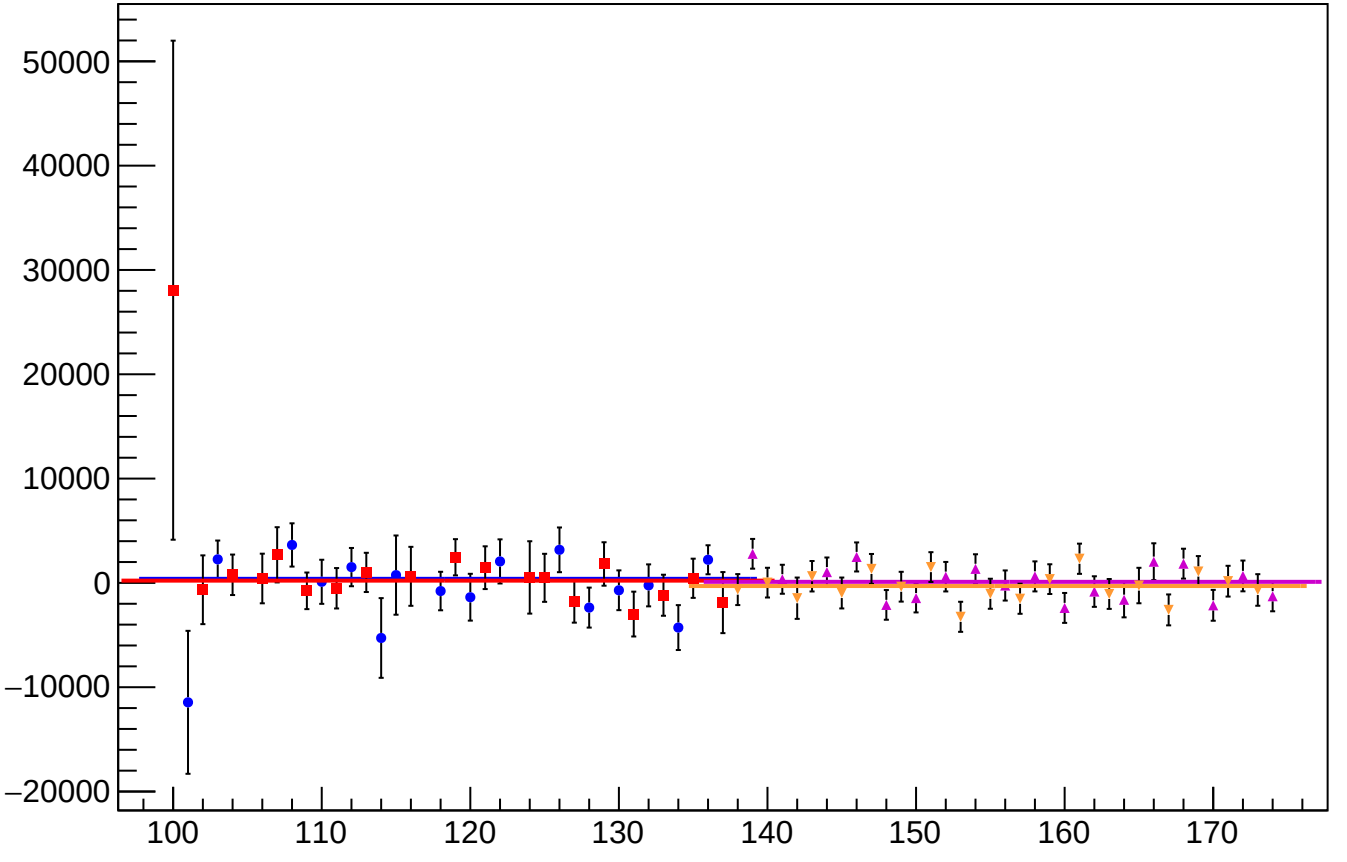
Left In: 642.573+/-0.120 χ^2/NDF:813575.0/17

+ sign 664.121+/-0.104 χ^2/NDF: 2999205.2/34

All: 679.091+/-0.075 χ^2/NDF: 5717703.1/71

- 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: -300.963+/-340.100 χ^2/NDF:16.3/18

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

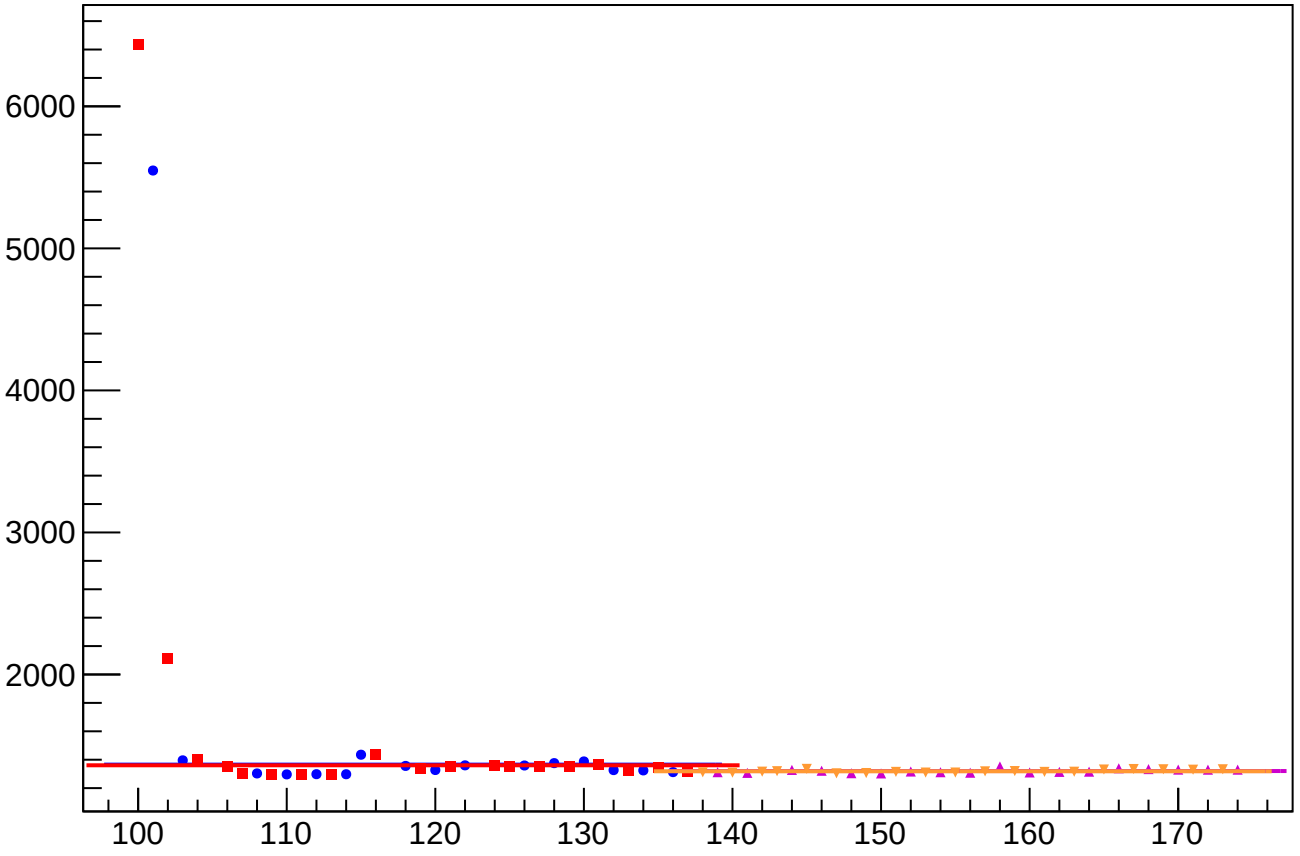
Left In: 101.730+/-342.243 χ^2/NDF:22.3/17

+ sign -94.607+/-284.818 χ^2/NDF: 39.0/34

All: 22.149+/-201.045 χ^2/NDF: 71.6/71

- 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: 1318.704+/-0.240 χ^2/NDF:1762.8/18

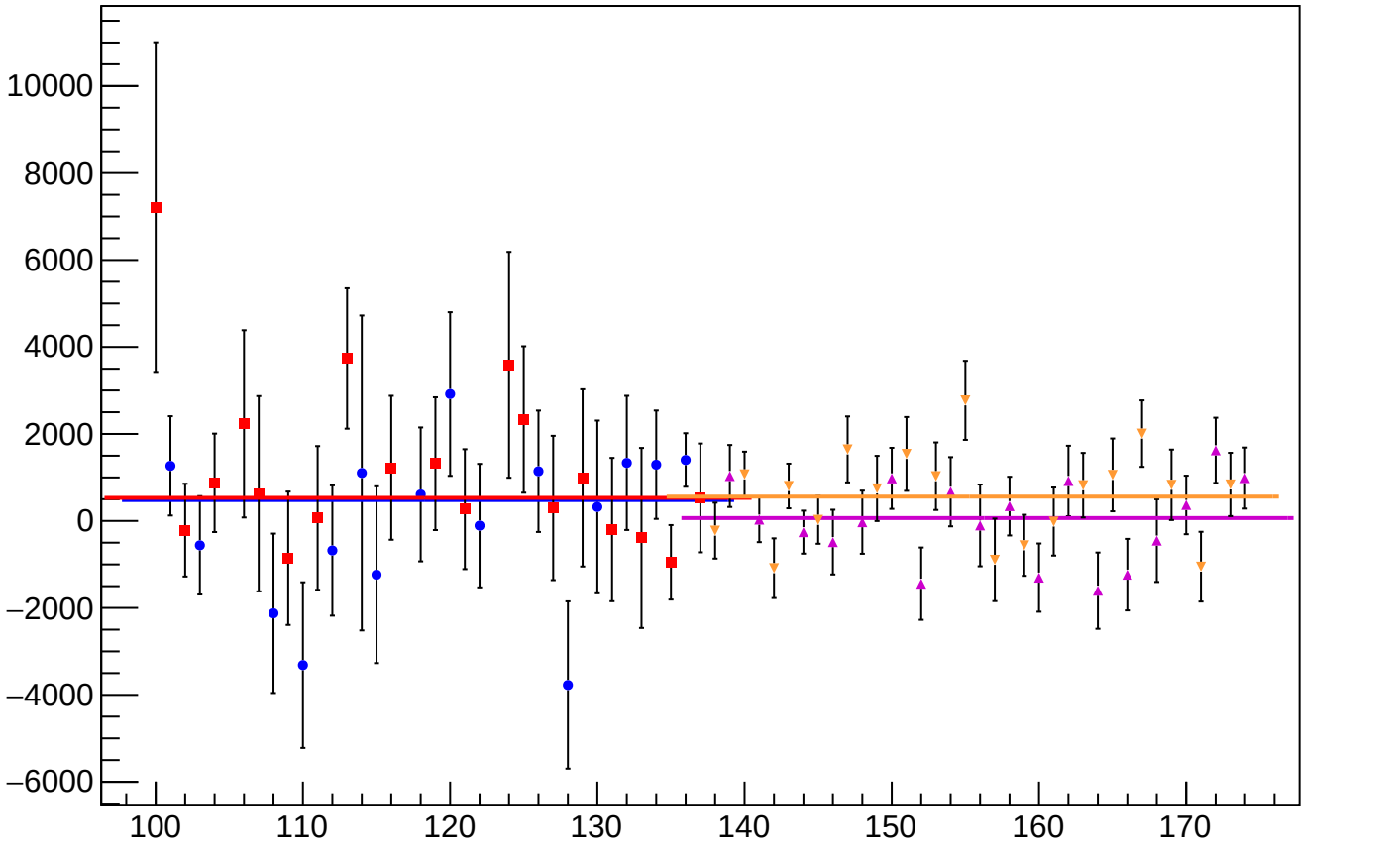
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1320.256+/-0.242 χ^2/NDF:2874.8/17

+ sign 1332.621+/-0.201 χ^2/NDF: 771921.3/34

All: 1332.764+/-0.142 χ^2/NDF: 988863.9/71

- 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: 558.659+/-162.711 χ^2/NDF:32.9/18

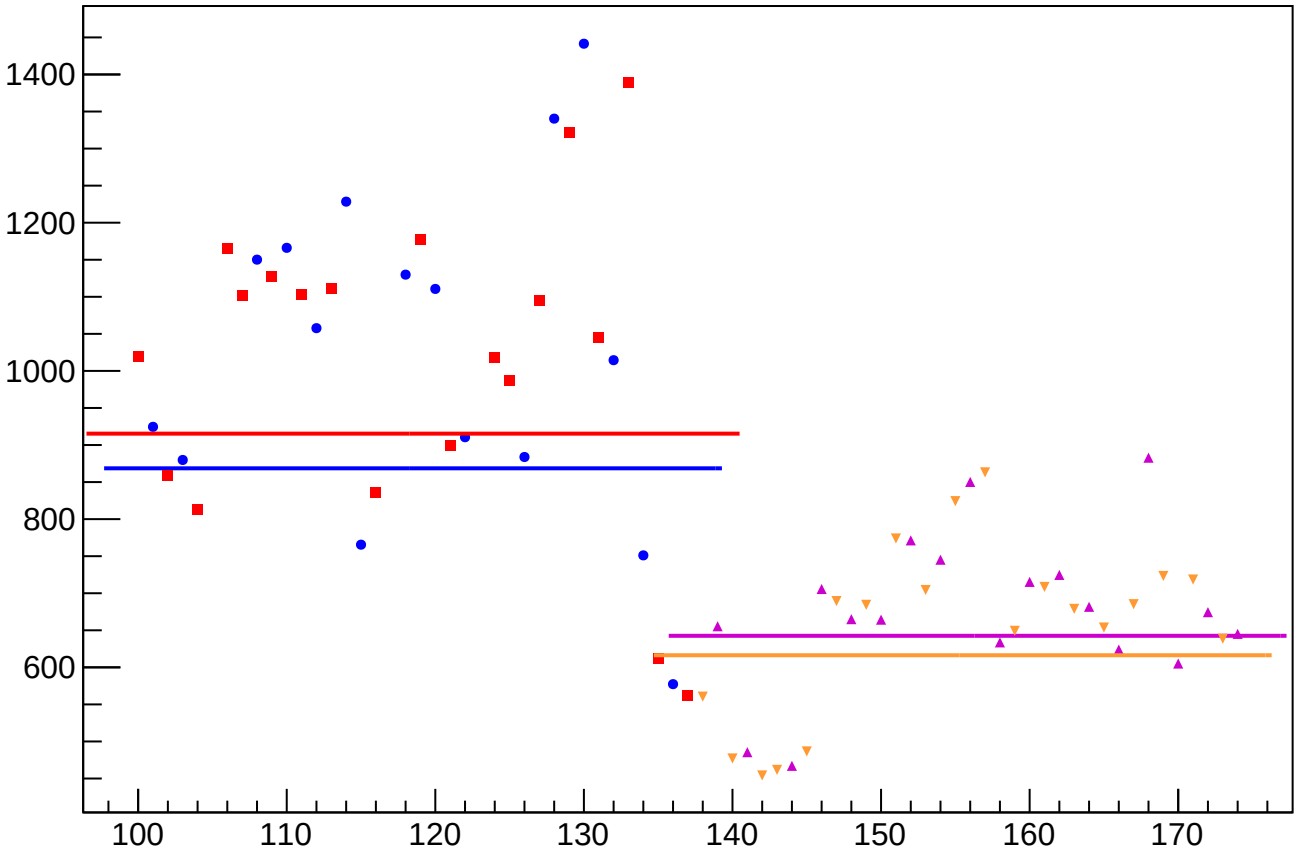
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 66.326+/-169.254 χ^2/NDF:25.4/17

+ sign 543.830+/-146.487 χ^2/NDF: 51.5/34

All: 357.095+/-105.493 χ^2/NDF: 97.4/71

- 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: 616.325+/-0.115 χ^2/NDF:1067084.8/18

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

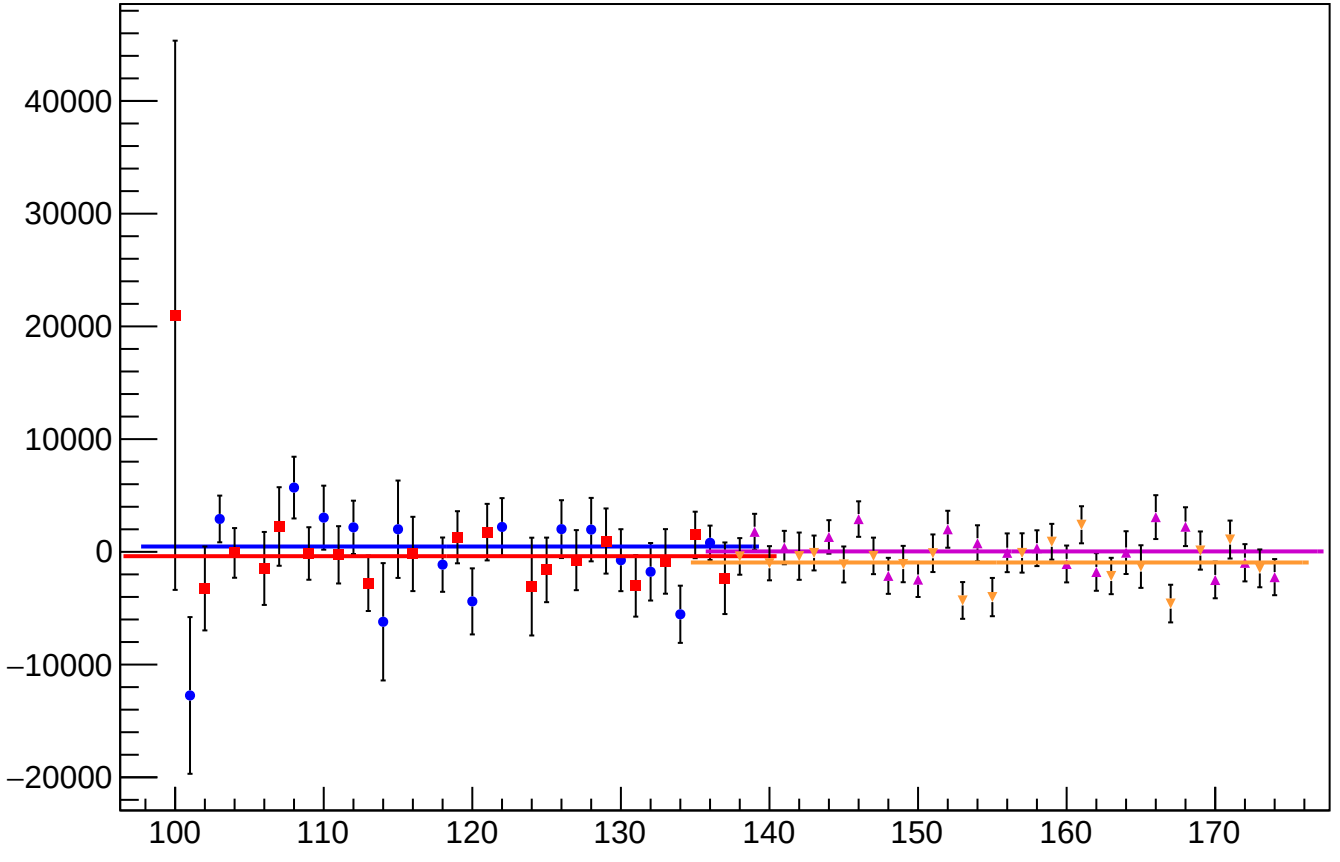
Left In: 642.574+/-0.120 χ^2/NDF:813582.8/17

+ sign 664.121+/-0.104 χ^2/NDF: 2999204.4/34

All: 679.092+/-0.075 χ^2/NDF: 5717692.7/71

- 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: -943.741+/-381.382 χ^2/NDF:21.4/18

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

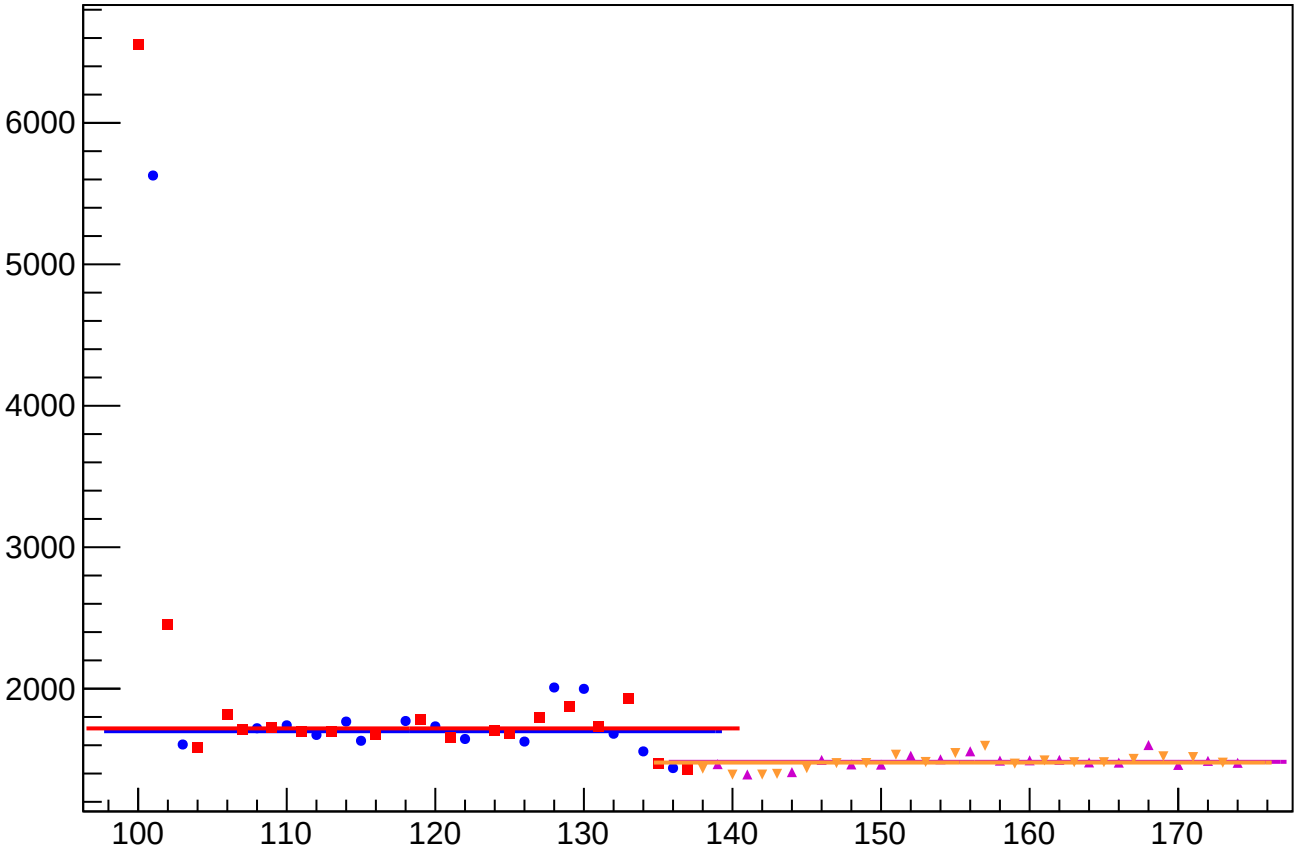
Left In: 38.289+/-384.593 χ^2/NDF:22.0/17

+ sign -580.157+/-328.843 χ^2/NDF: 47.7/34

All: -327.630+/-232.908 χ^2/NDF: 78.4/71

- 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: 1477.697+/-0.270 χ^2/NDF:35263.2/18

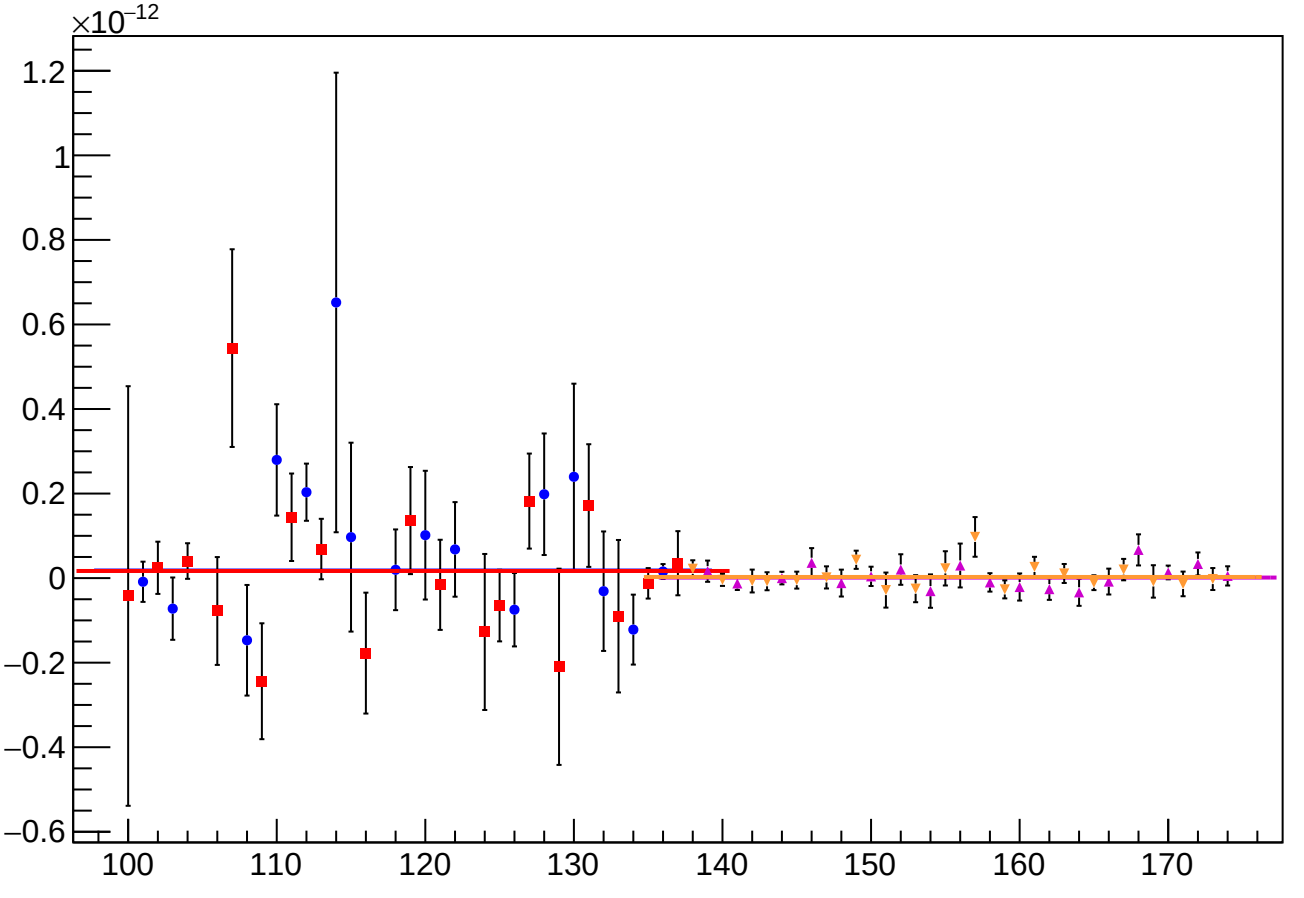
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1482.836+/-0.272 χ^2/NDF:28579.0/17

+ sign 1534.555+/-0.233 χ^2/NDF: 970637.1/34

All: 1539.877+/-0.165 χ^2/NDF: 1433358.6/71

- 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:15.4/18

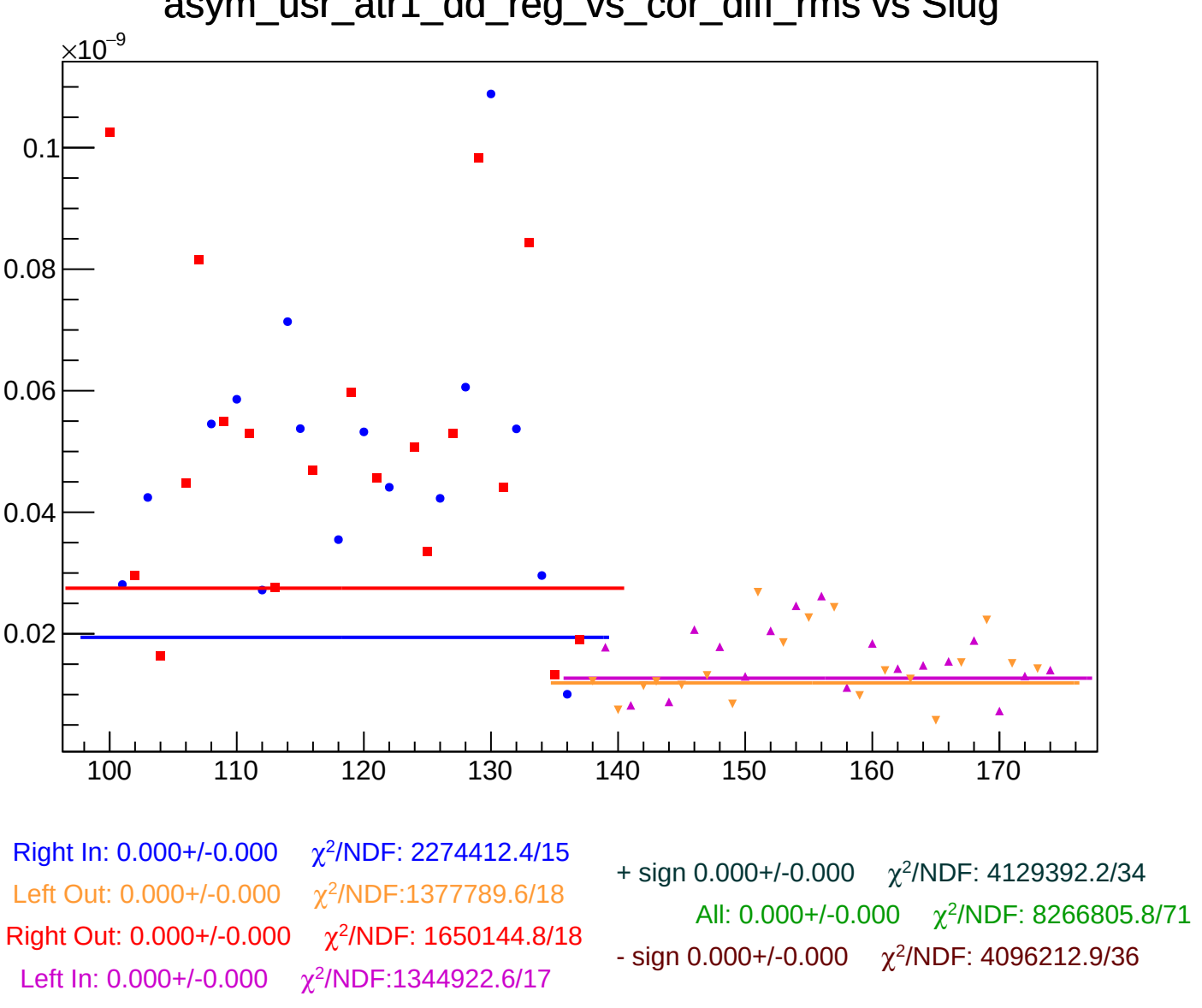
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

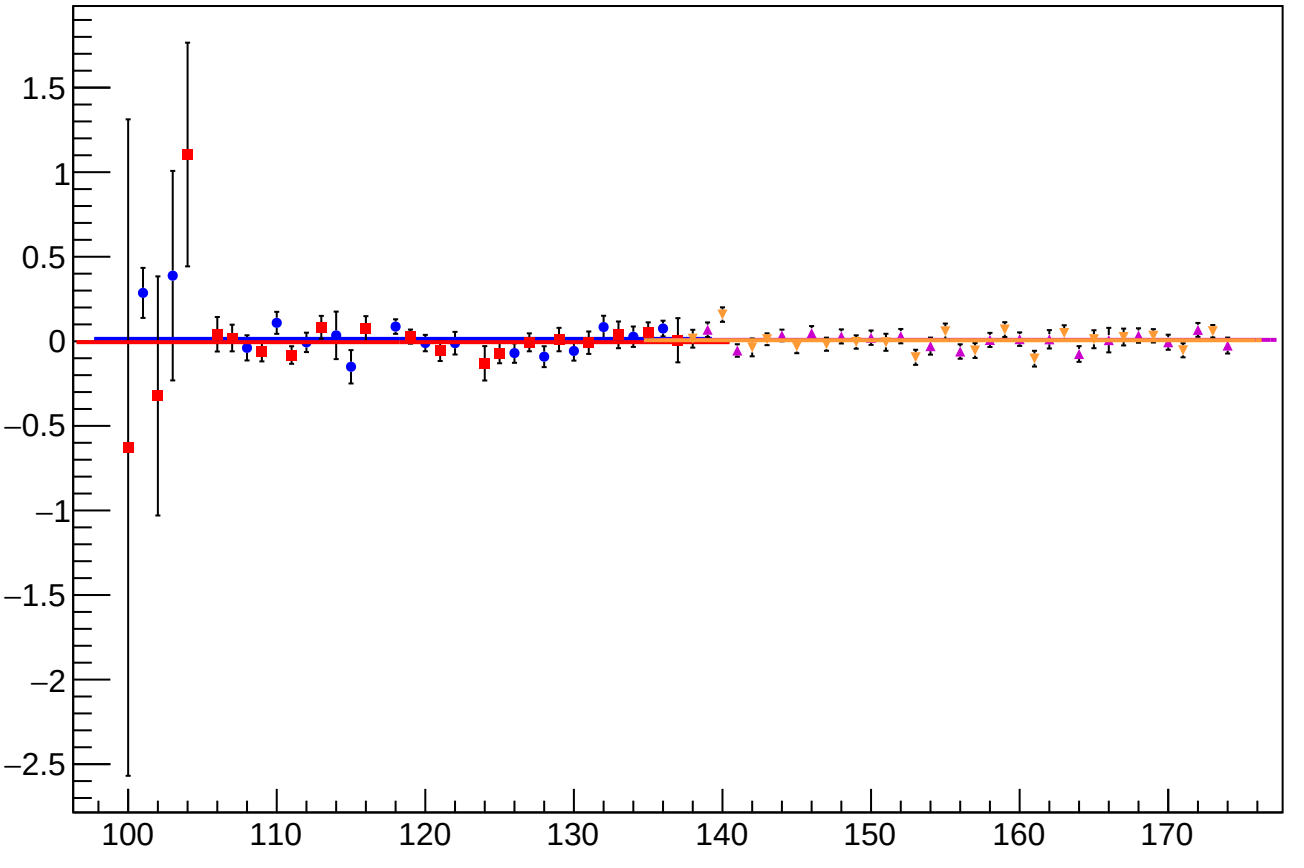
Left In: 0.000+/-0.000 χ^2/NDF:12.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 39.9/34

All: 0.000+/-0.000 χ^2/NDF: 73.9/71

- 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:1377789.6/18
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: 4129392.2/34
All: 0.000+/-0.000 χ²/NDF: 8266805.8/71
- sign 0.000+/-0.000 χ²/NDF: 4096212.9/36



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.010 χ^2/NDF:35.9/18

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

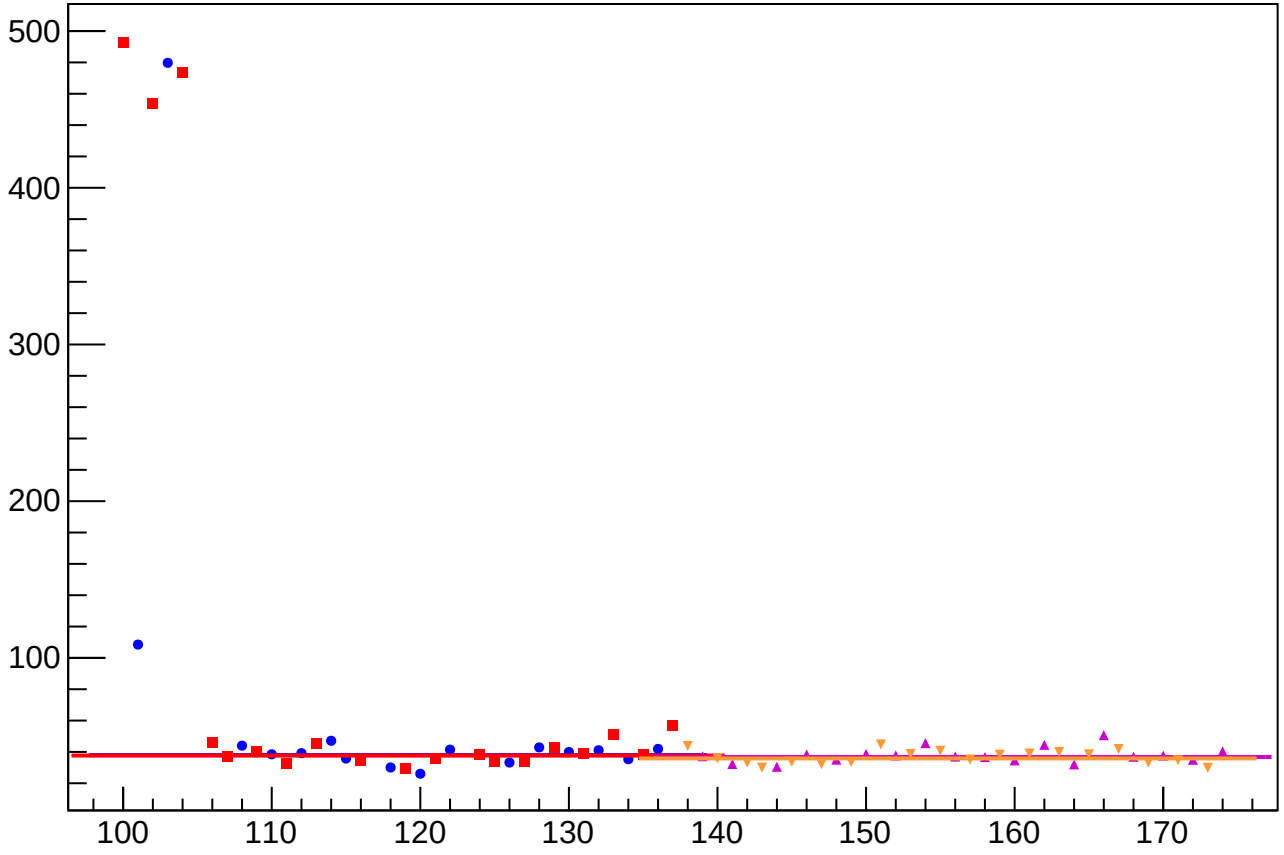
Left In: 0.009+/-0.010 χ^2/NDF:16.3/17

+ sign 0.009+/-0.008 χ^2/NDF: 58.1/34

All: 0.007+/-0.006 χ^2/NDF: 89.9/71

- 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: 35.838+/-0.007 χ^2/NDF:356911.5/18

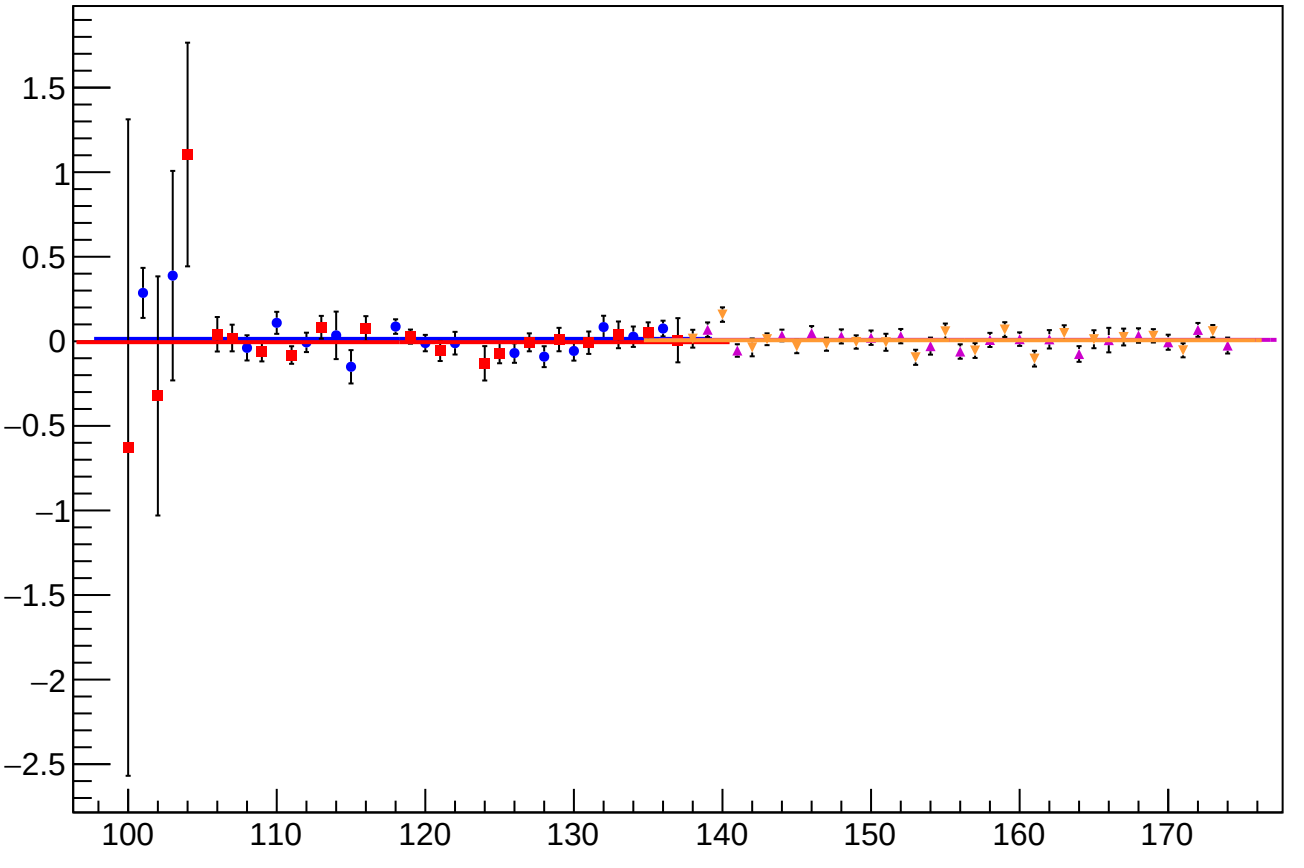
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.738+/-0.007 χ^2/NDF:324562.3/17

\+ sign 36.431+/-0.006 χ^2/NDF: 2121652.7/34

All: 36.717+/-0.004 χ^2/NDF: 4400839.6/71

\- 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: 0.006+/-0.010 χ^2/NDF:35.9/18

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

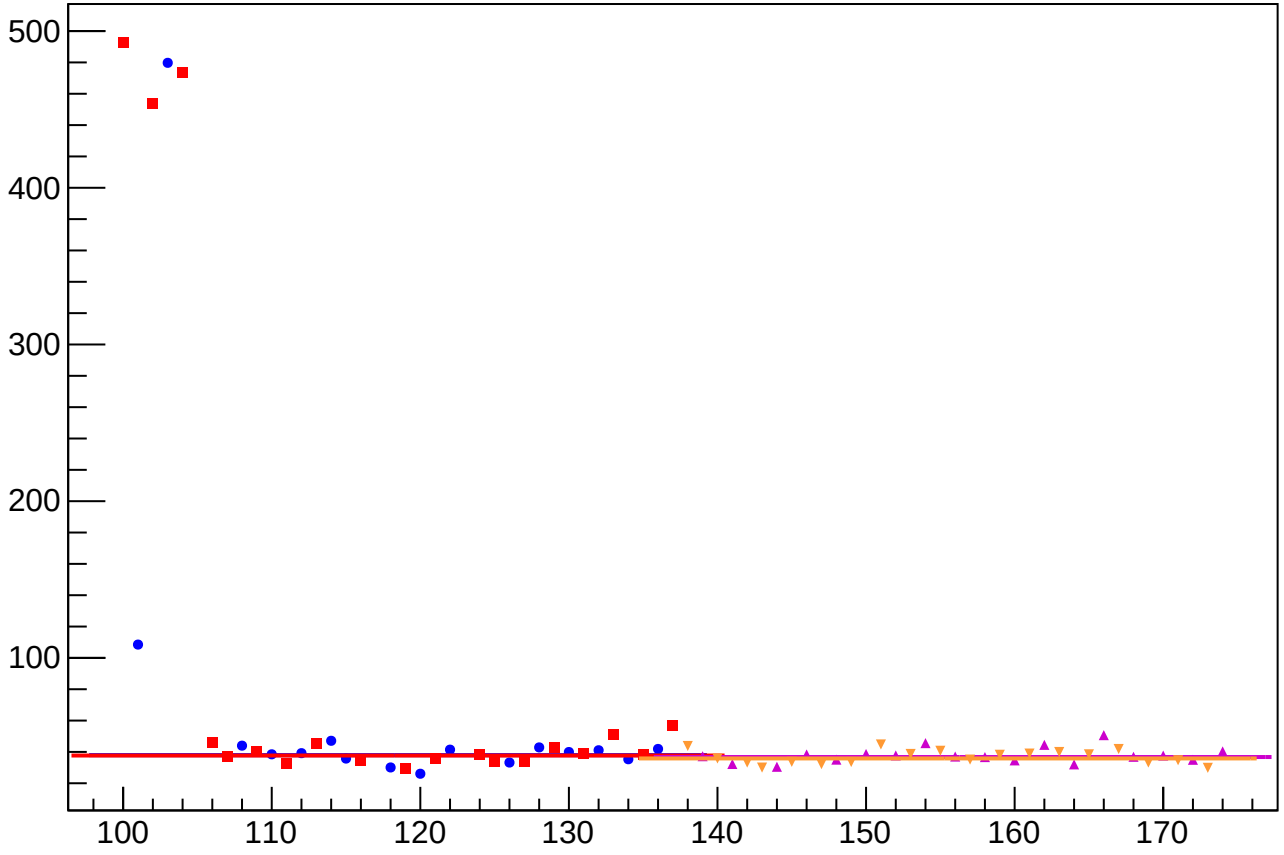
Left In: 0.009+/-0.010 χ^2/NDF:16.3/17

+ sign 0.009+/-0.008 χ^2/NDF: 58.1/34

All: 0.007+/-0.006 χ^2/NDF: 89.9/71

- sign 0.005+/-0.009 χ^2/NDF: 31.7/36

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.838+/-0.007 χ^2/NDF:356911.5/18

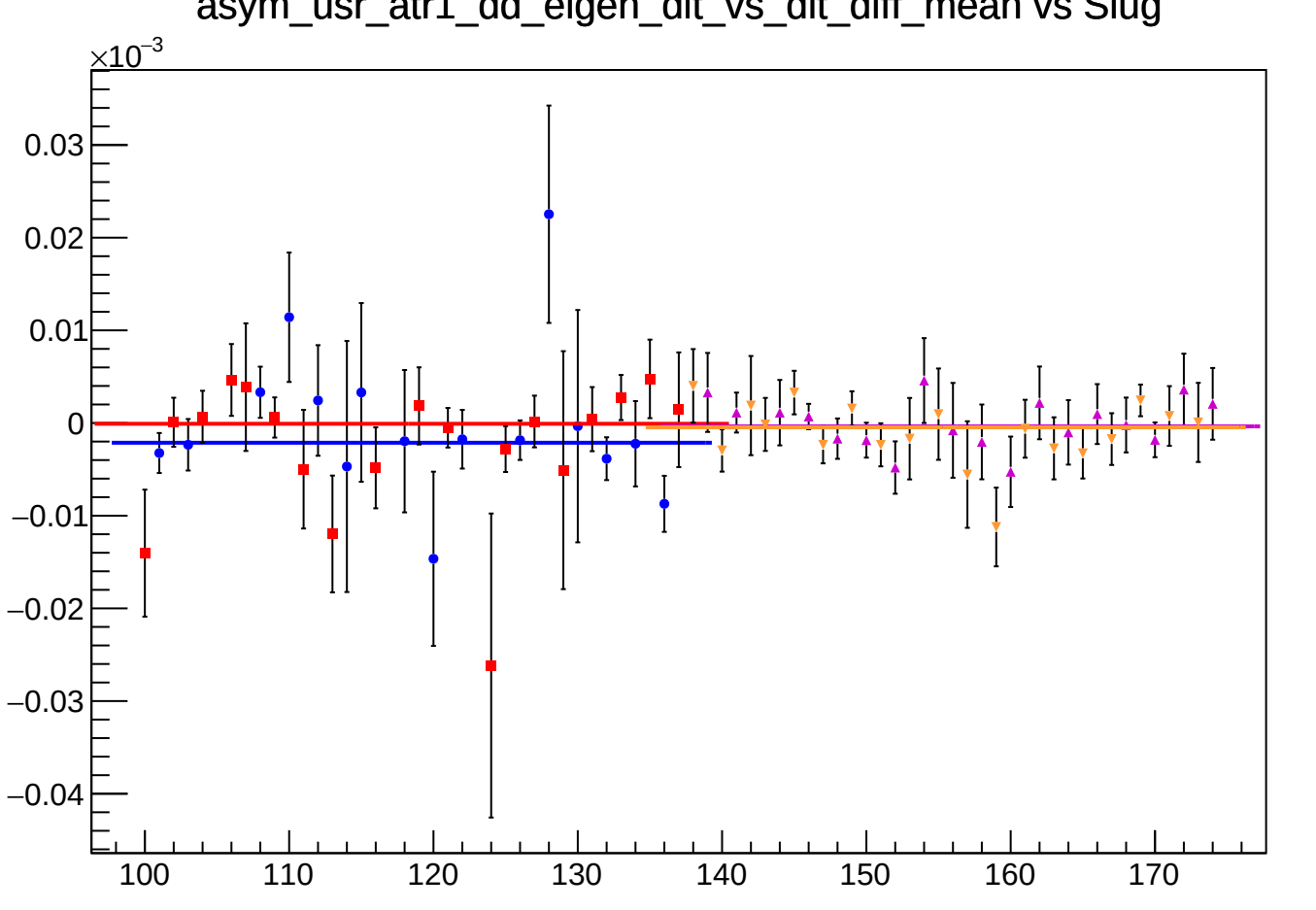
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.738+/-0.007 χ^2/NDF:324562.3/17

+ sign 36.431+/-0.006 χ^2/NDF: 2121652.7/34

All: 36.717+/-0.004 χ^2/NDF: 4400839.6/71

- 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:20.1/18

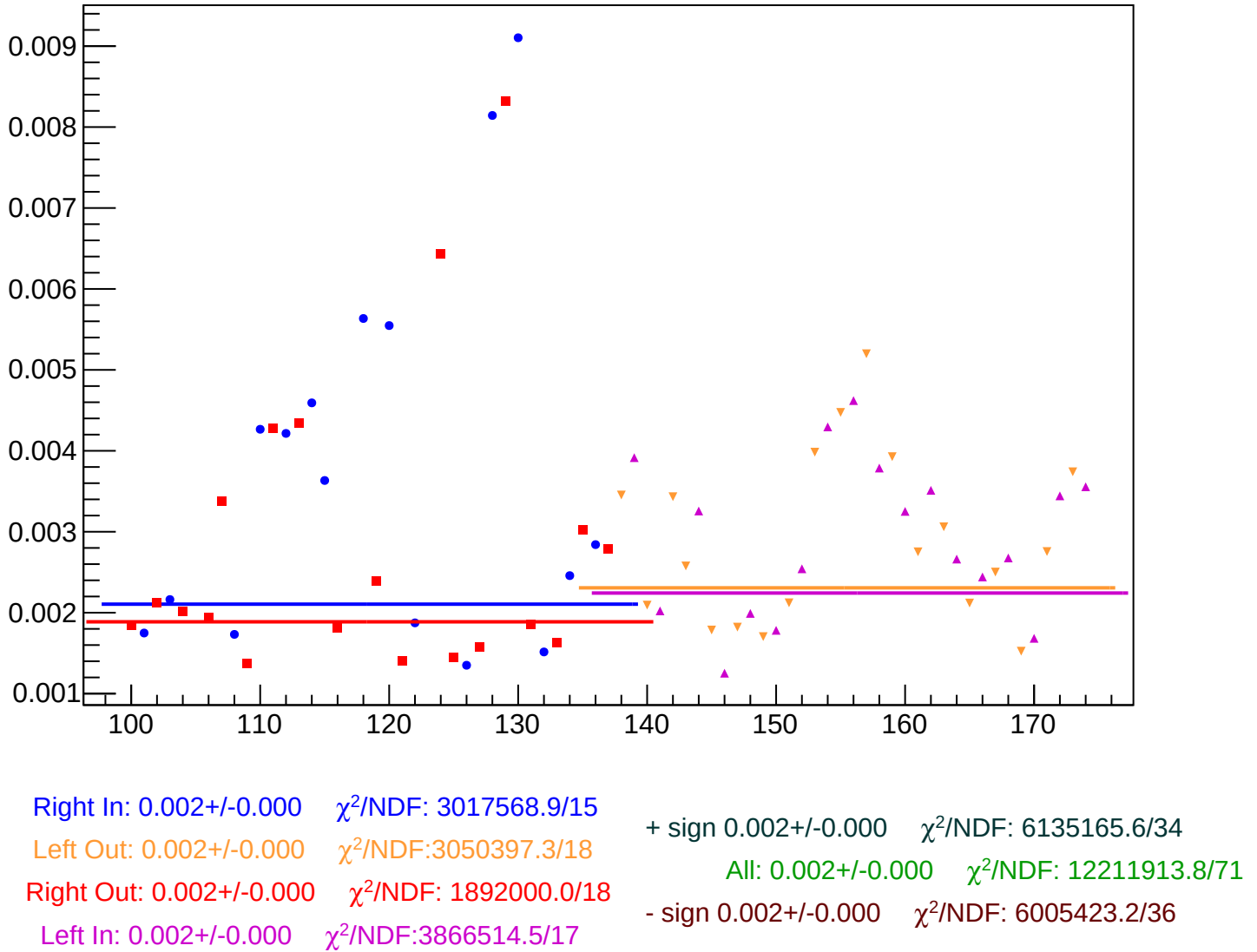
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

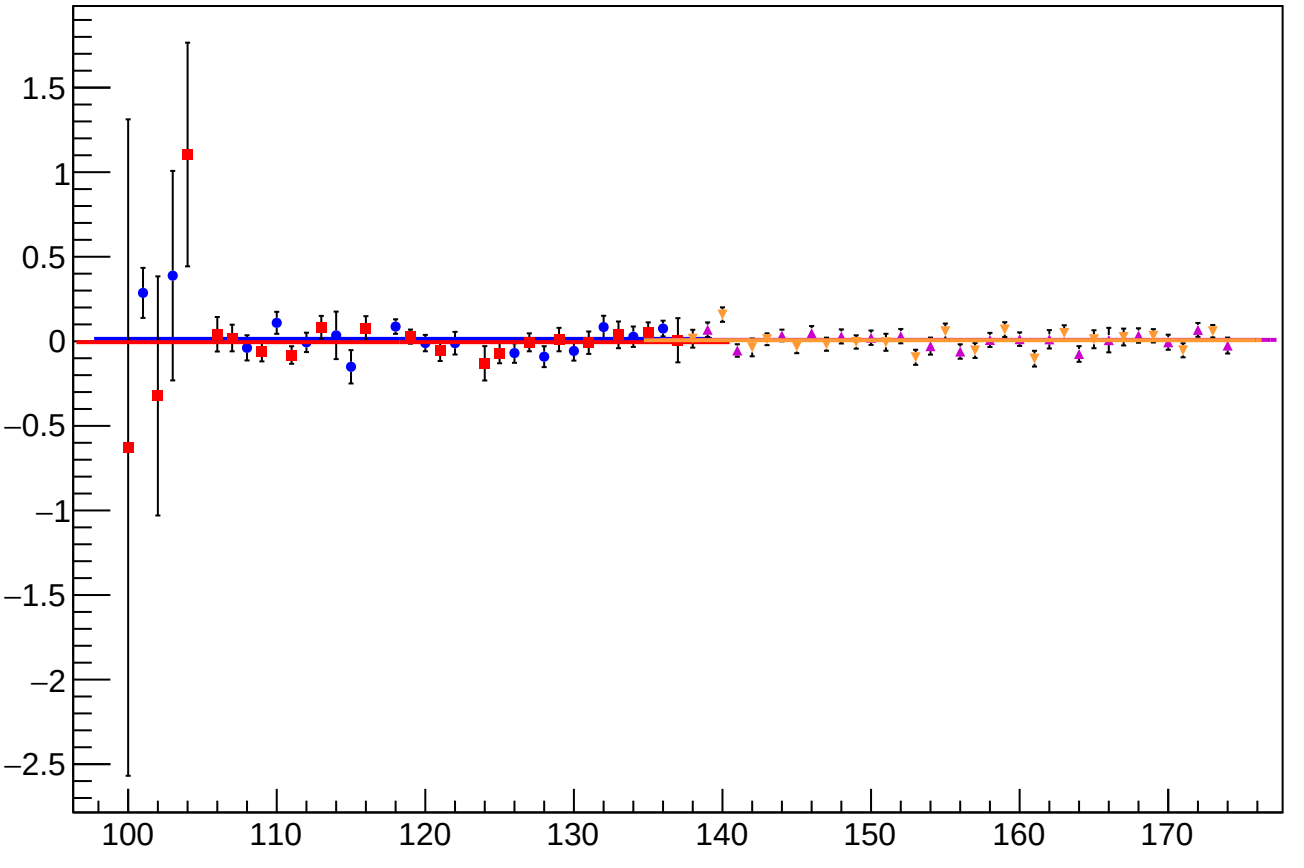
Left In: -0.000+/-0.000 χ^2/NDF:11.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 42.8/34

All: -0.000+/-0.000 χ^2/NDF: 73.5/71

- sign -0.000+/-0.000 χ^2/NDF: 29.6/36


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 3017568.9/15
Left Out: 0.002+/-0.000 χ²/NDF:3050397.3/18
Right Out: 0.002+/-0.000 χ²/NDF: 1892000.0/18
Left In: 0.002+/-0.000 χ²/NDF:3866514.5/17
+ sign 0.002+/-0.000 χ²/NDF: 6135165.6/34
All: 0.002+/-0.000 χ²/NDF: 12211913.8/71
- sign 0.002+/-0.000 χ²/NDF: 6005423.2/36



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.010 χ^2/NDF:35.9/18

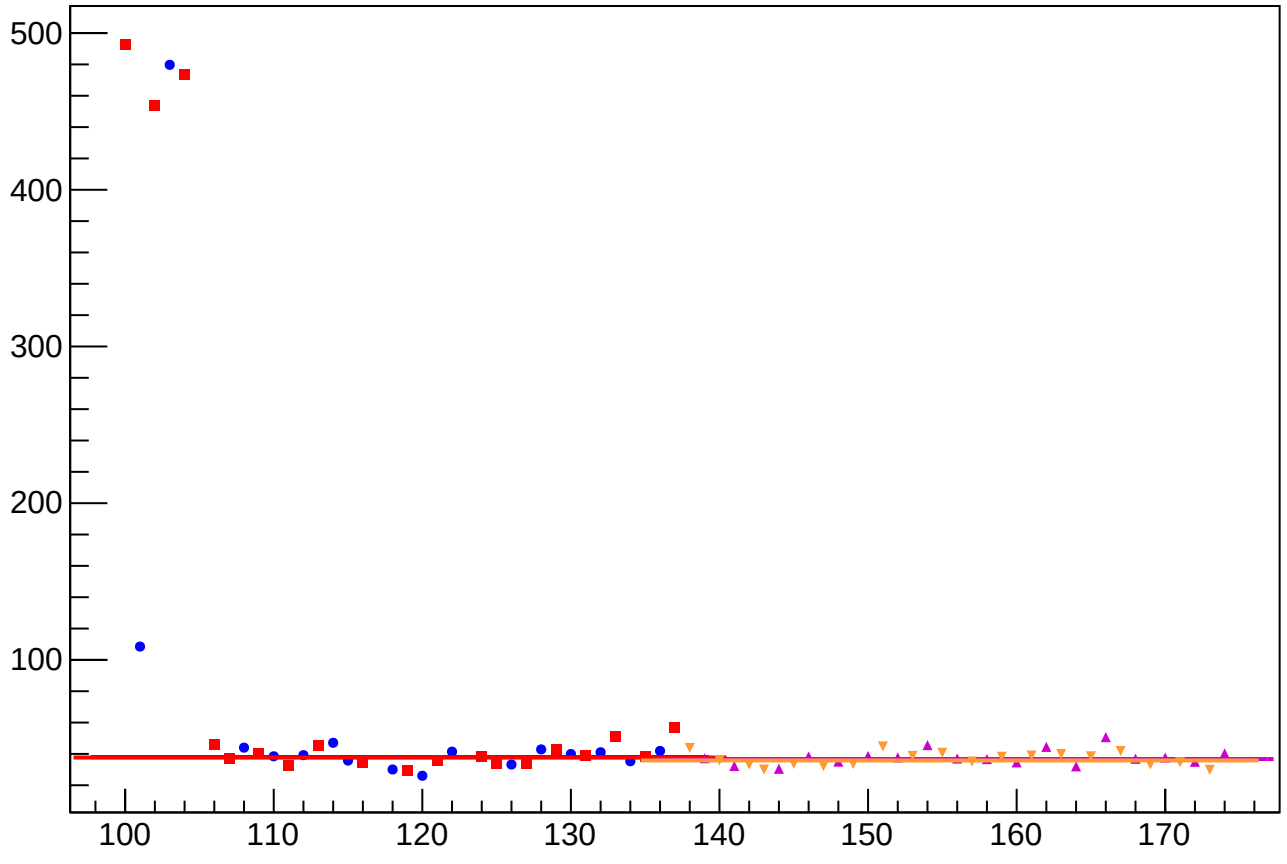
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.009+/-0.010 χ^2/NDF:16.3/17

+ sign 0.009+/-0.008 χ^2/NDF: 58.1/34

All: 0.007+/-0.006 χ^2/NDF: 89.9/71

- 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: 35.838+/-0.007 χ^2/NDF:356948.5/18

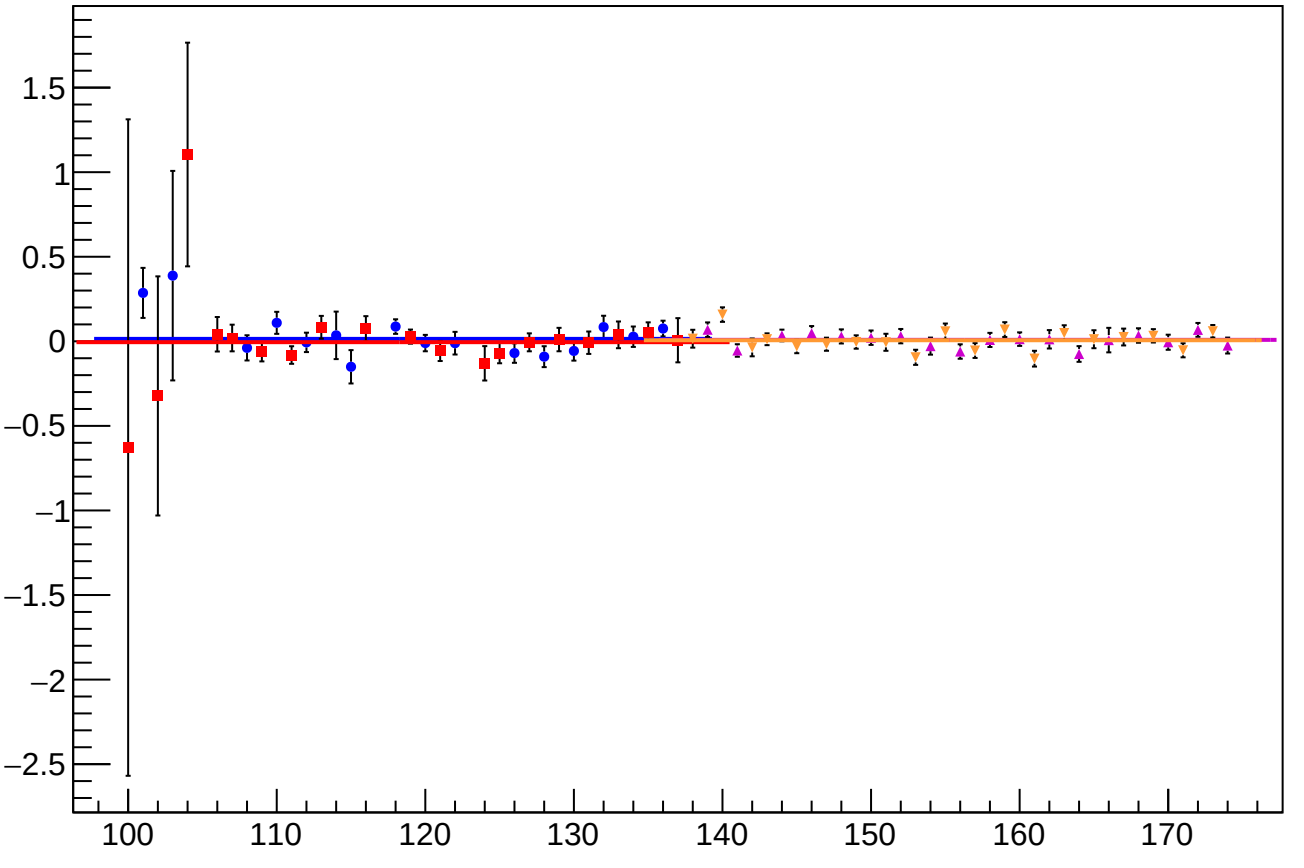
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.737+/-0.007 χ^2/NDF:324603.8/17

+ sign 36.430+/-0.006 χ^2/NDF: 2121691.8/34

All: 36.716+/-0.004 χ^2/NDF: 4400982.5/71

- 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: 0.006+/-0.010 χ^2/NDF:35.9/18

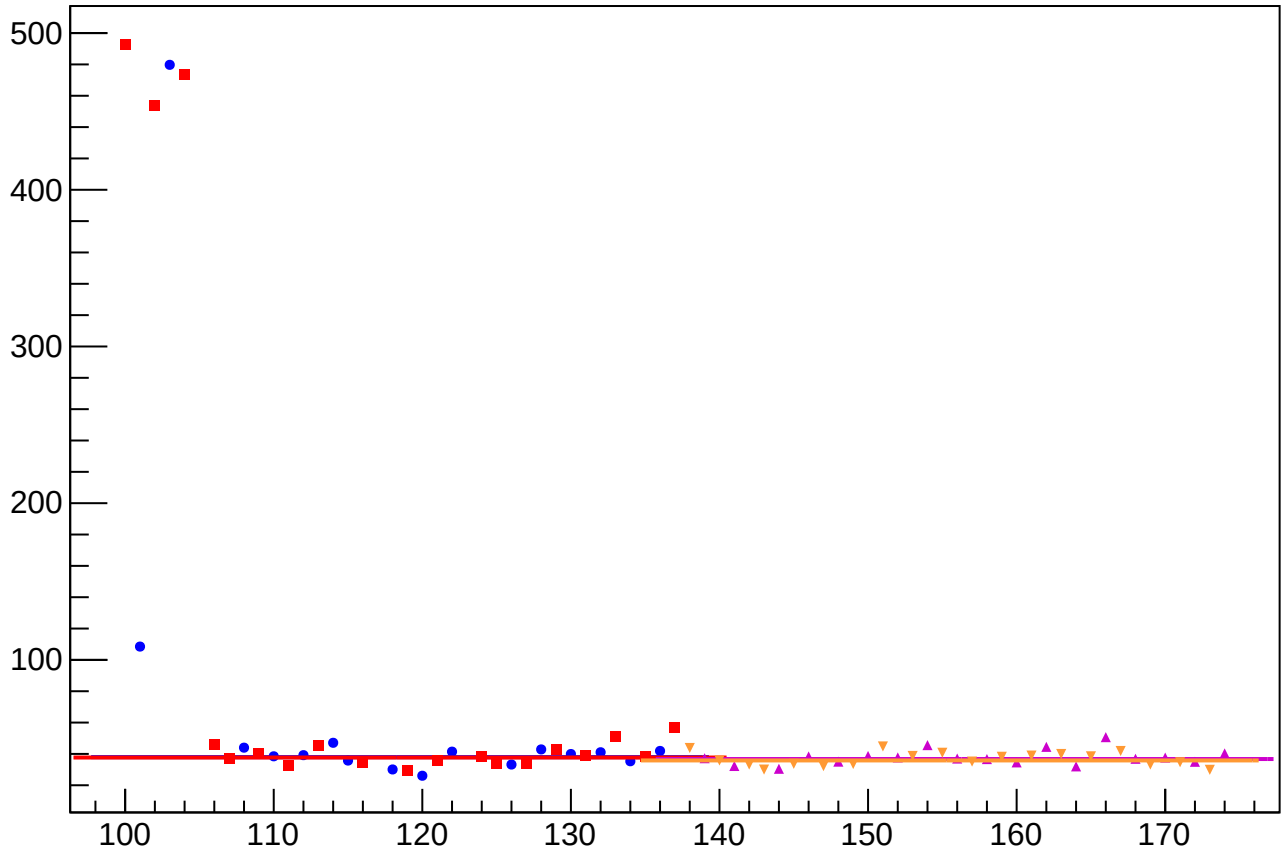
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.009+/-0.010 χ^2/NDF:16.3/17

+ sign 0.009+/-0.008 χ^2/NDF: 58.1/34

All: 0.007+/-0.006 χ^2/NDF: 89.9/71

- 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: 35.838+/-0.007 χ^2/NDF:356948.5/18

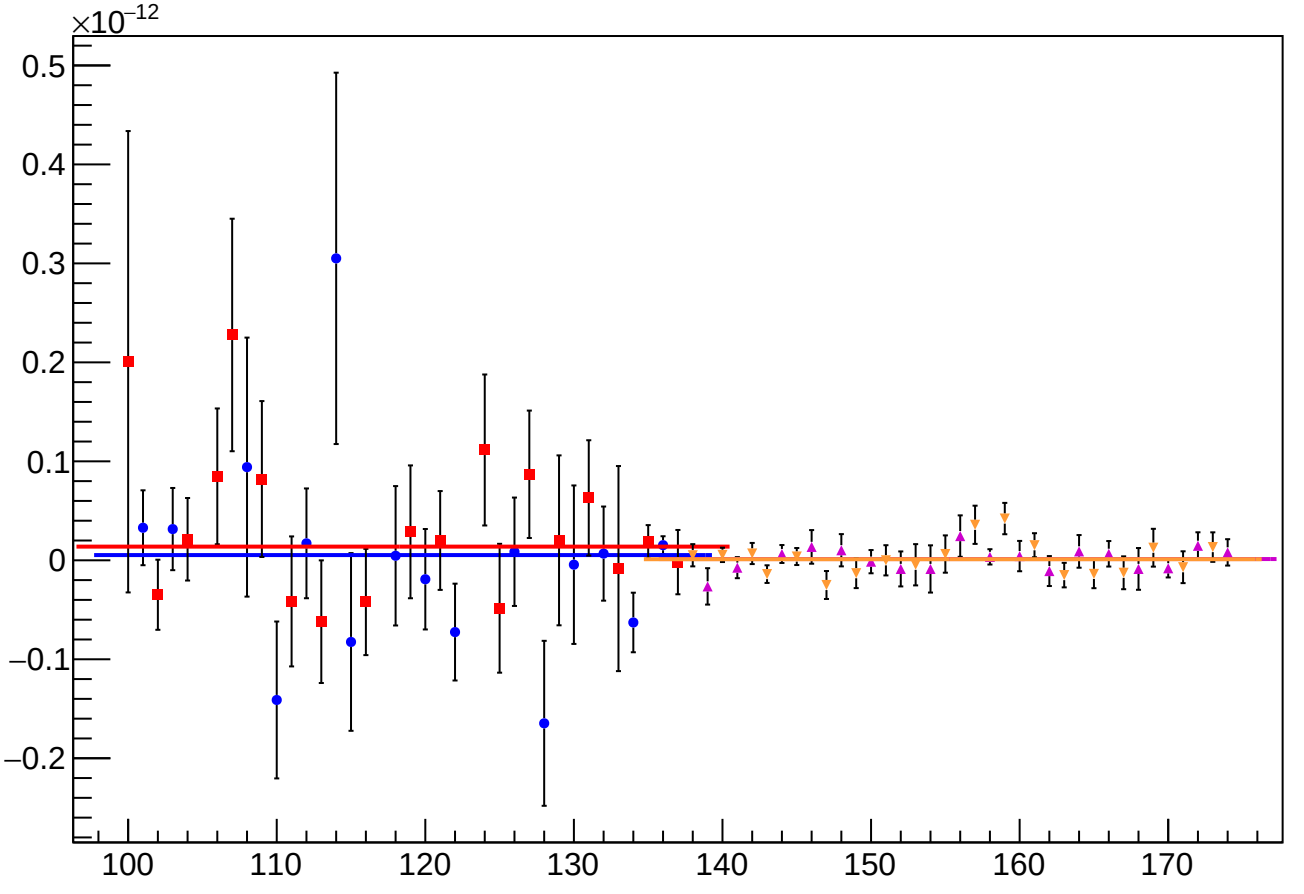
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.737+/-0.007 χ^2/NDF:324603.8/17

\+ sign 36.430+/-0.006 χ^2/NDF: 2121691.8/34

All: 36.716+/-0.004 χ^2/NDF: 4400982.5/71

\- 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:24.2/18

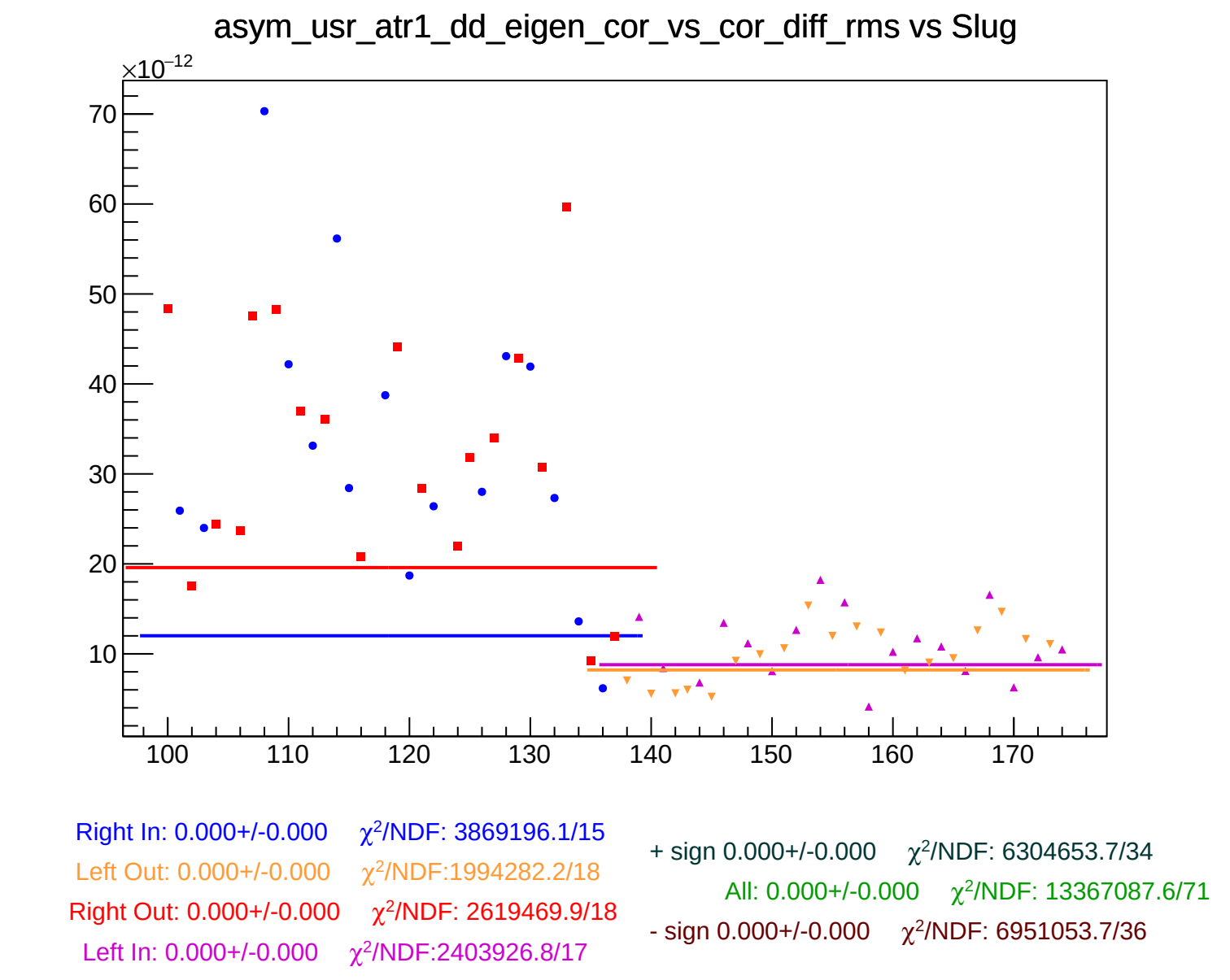
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/17

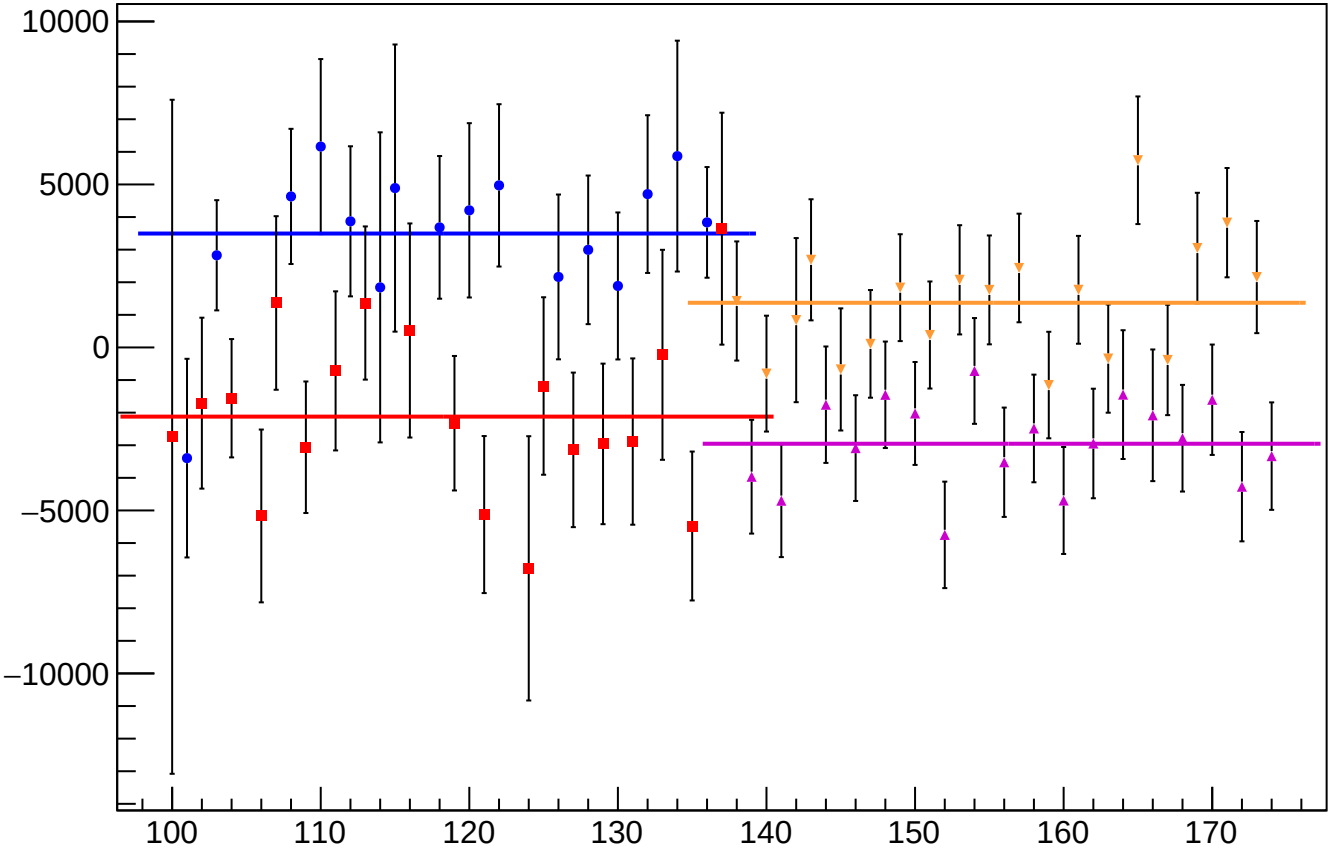
+ sign 0.000+/-0.000 χ^2/NDF: 46.1/34

All: 0.000+/-0.000 χ^2/NDF: 72.9/71

- 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:1994282.2/18
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: 6304653.7/34
All: 0.000+/-0.000 χ²/NDF: 13367087.6/71
- 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: 1370.139+/-398.779 χ^2/NDF:17.8/18

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

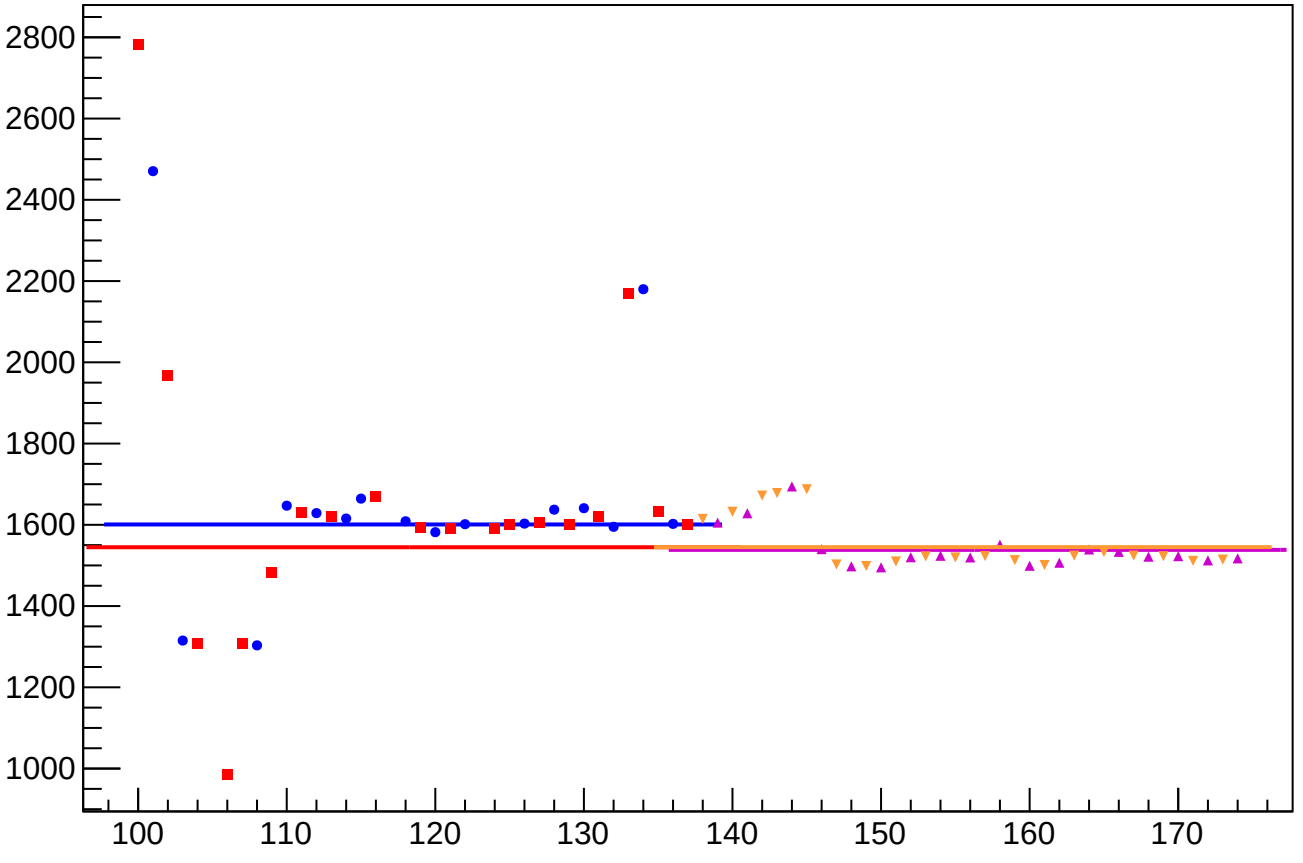
Left In: -2954.137+/-398.965 χ^2/NDF:11.2/17

+ sign 2019.208+/-332.316 χ^2/NDF: 35.3/34

All: -352.074+/-234.187 χ^2/NDF: 164.1/71

- 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: 1545.046+/-0.282 χ^2/NDF:44348.4/18

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

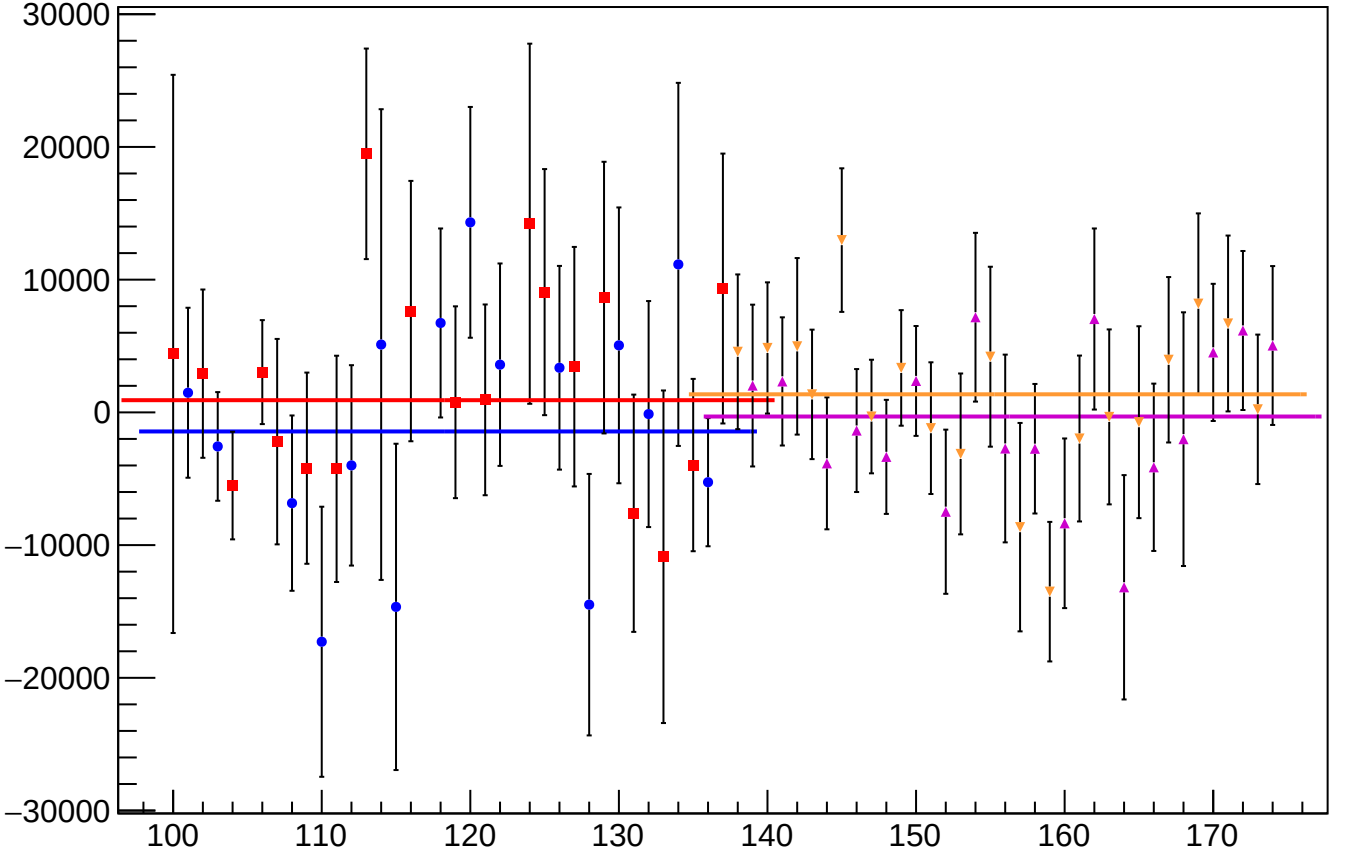
Left In: 1538.331+/-0.282 χ^2/NDF:30190.7/17

\+ sign 1562.106+/-0.235 χ^2/NDF: 373741.8/34

All: 1551.133+/-0.165 χ^2/NDF: 784539.4/71

\- 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: 1362.345+/-1304.105 χ^2/NDF:19.0/18

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

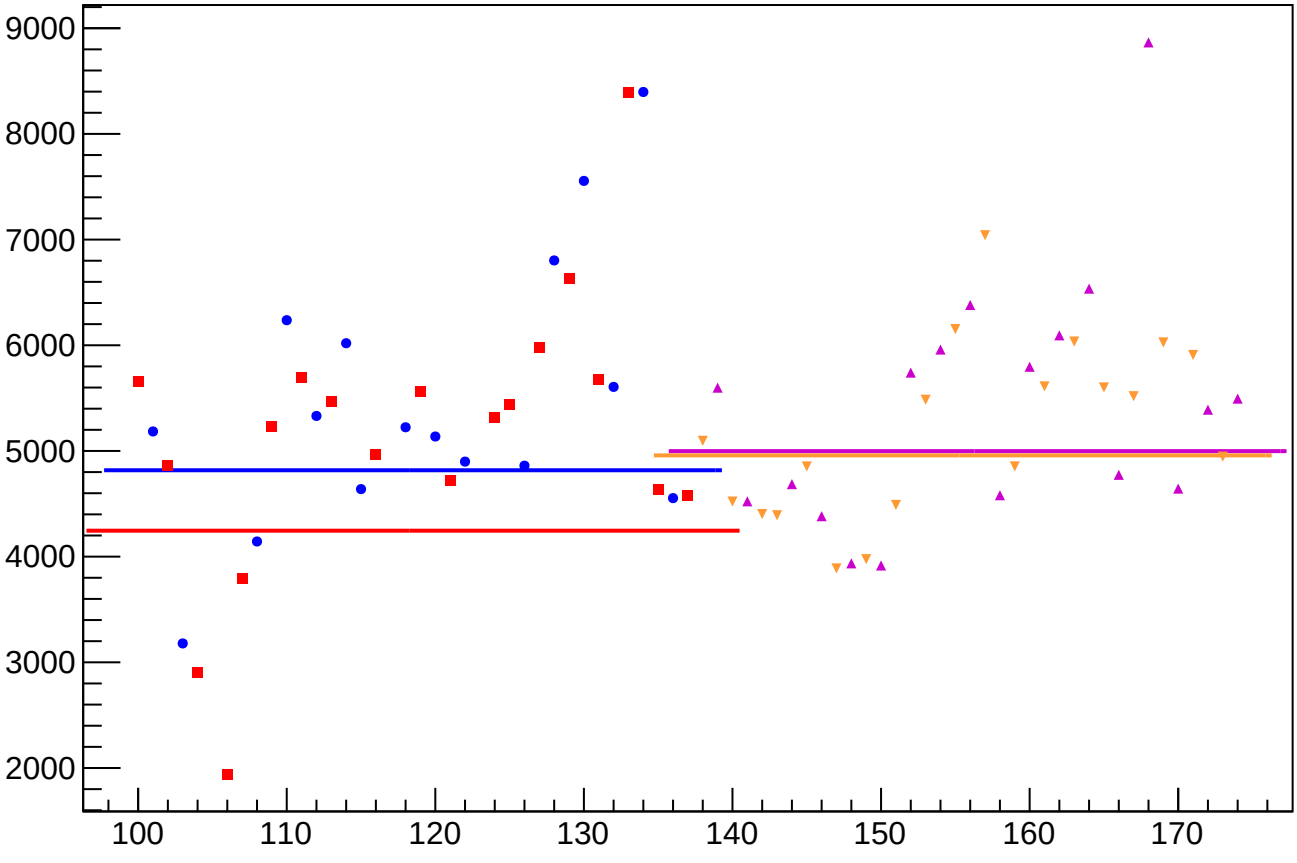
Left In: -311.613+/-1322.696 χ^2/NDF:13.3/17

\+ sign 431.887+/-1065.566 χ^2/NDF: 34.4/34

All: 293.665+/-743.052 χ^2/NDF: 63.4/71

\- 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: 4958.008+/-0.922 χ^2/NDF:719509.5/18

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

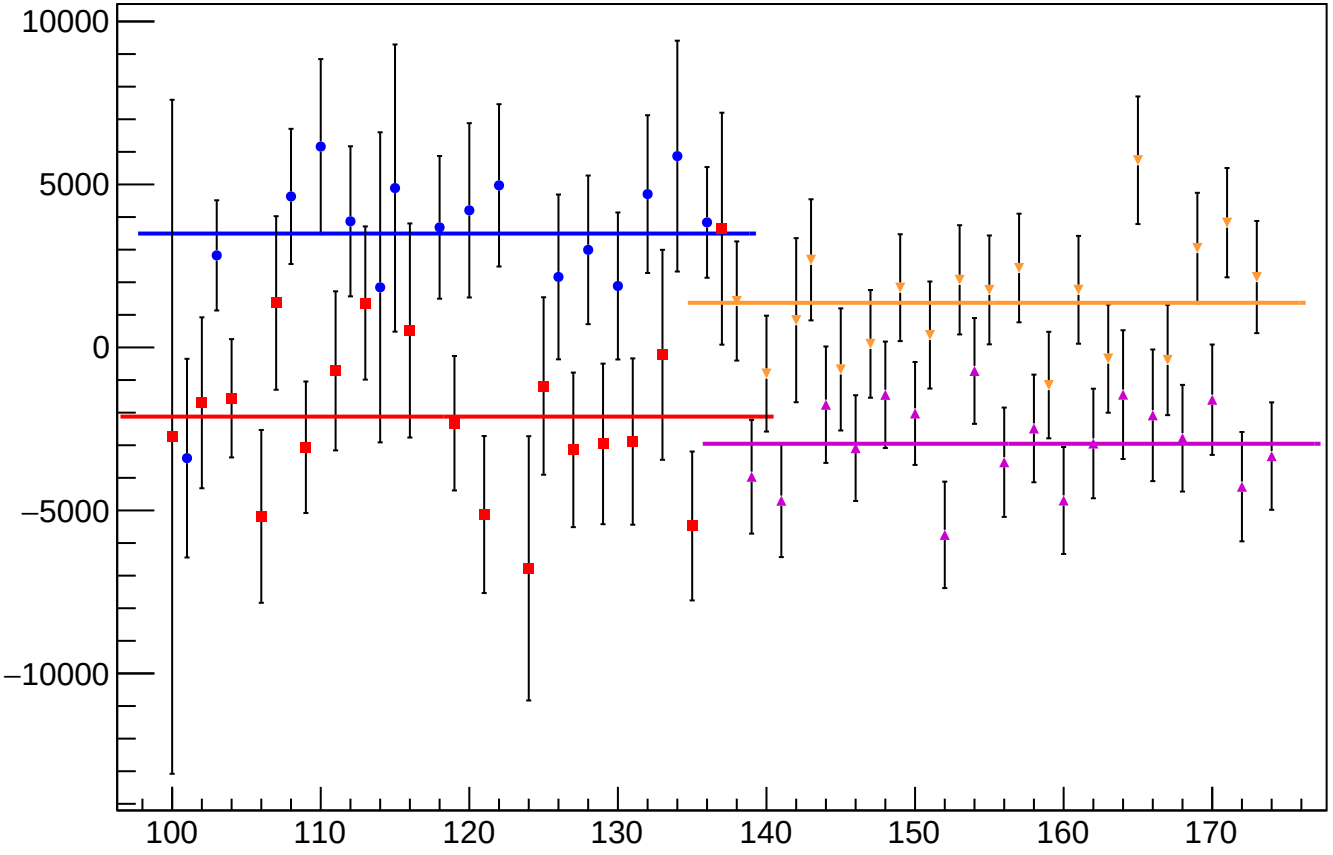
Left In: 4998.353+/-0.935 χ^2/NDF:1017264.3/17

+ sign 4911.255+/-0.753 χ^2/NDF: 1522674.4/34

All: 4806.833+/-0.525 χ^2/NDF: 4510368.3/71

- 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: 1370.017+/-398.779 χ^2/NDF:17.8/18

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

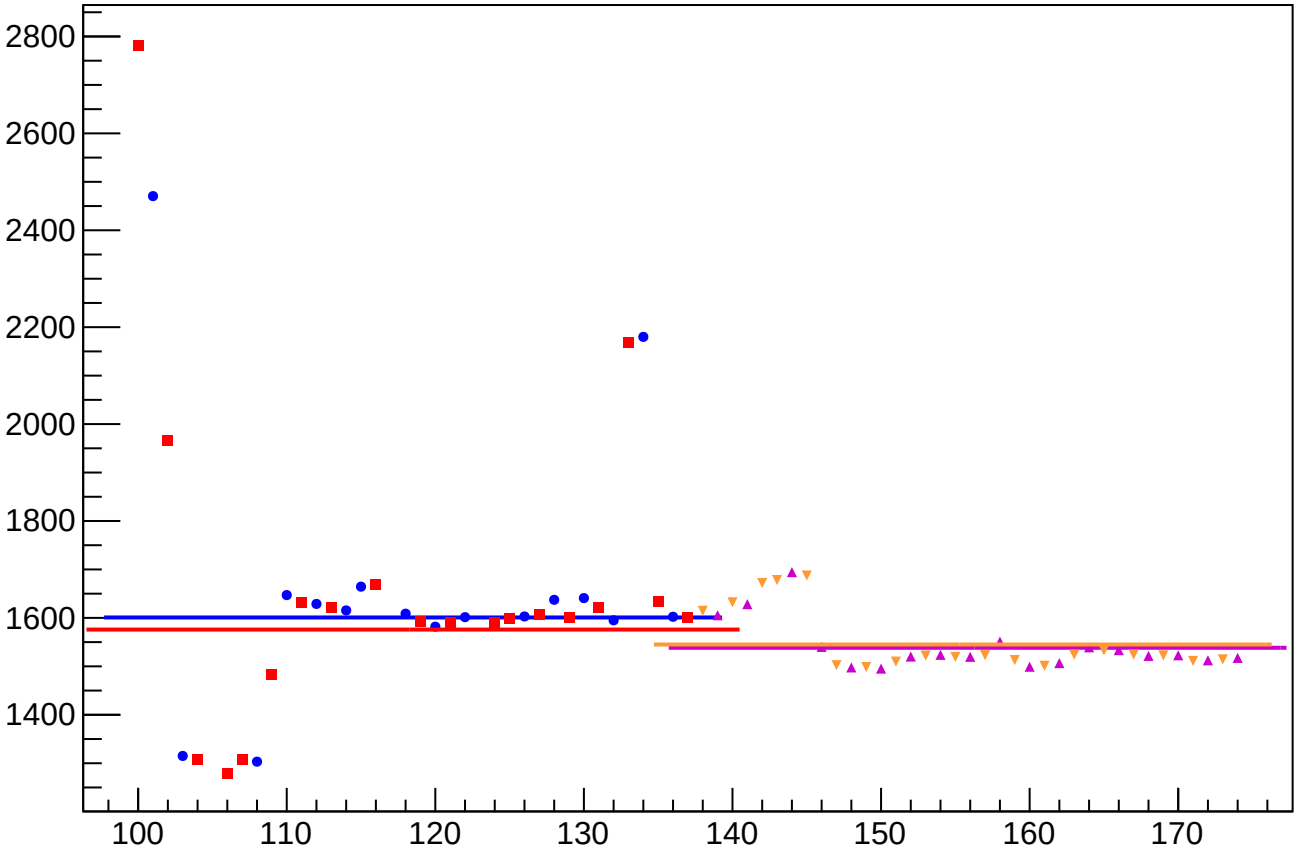
Left In: -2954.060+/-398.965 χ^2/NDF:11.2/17

+ sign 2019.020+/-332.316 χ^2/NDF: 35.3/34

All: -352.136+/-234.187 χ^2/NDF: 164.1/71

- 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: 1545.046+/-0.282 χ^2/NDF:44348.4/18

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

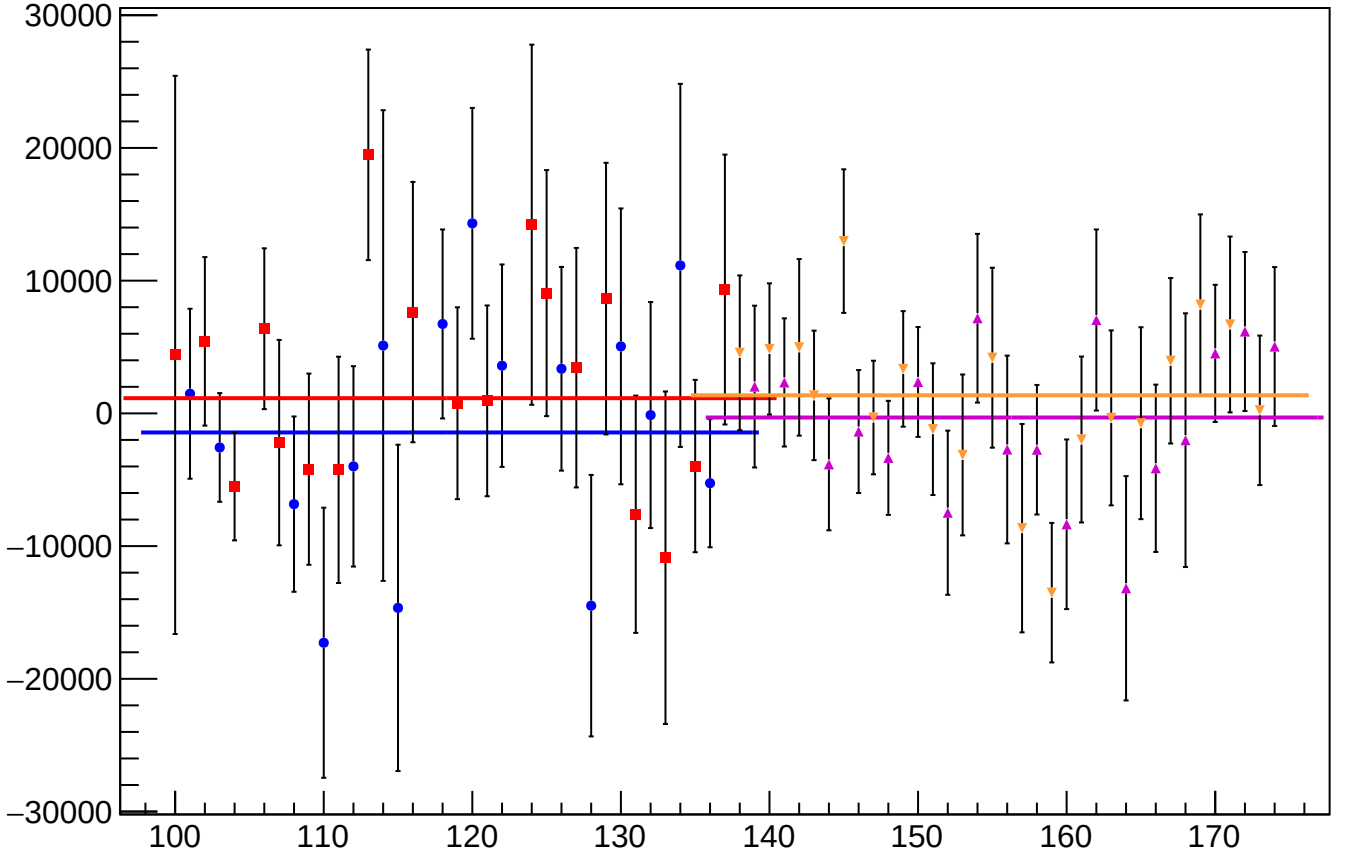
Left In: 1538.331+/-0.282 χ^2/NDF:30190.7/17

+ sign 1562.107+/-0.235 χ^2/NDF: 373741.1/34

All: 1556.130+/-0.165 χ^2/NDF: 654173.0/71

- sign 1550.249+/-0.233 χ^2/NDF: 279148.6/36

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1362.329+/-1304.102 χ^2/NDF:19.0/18

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

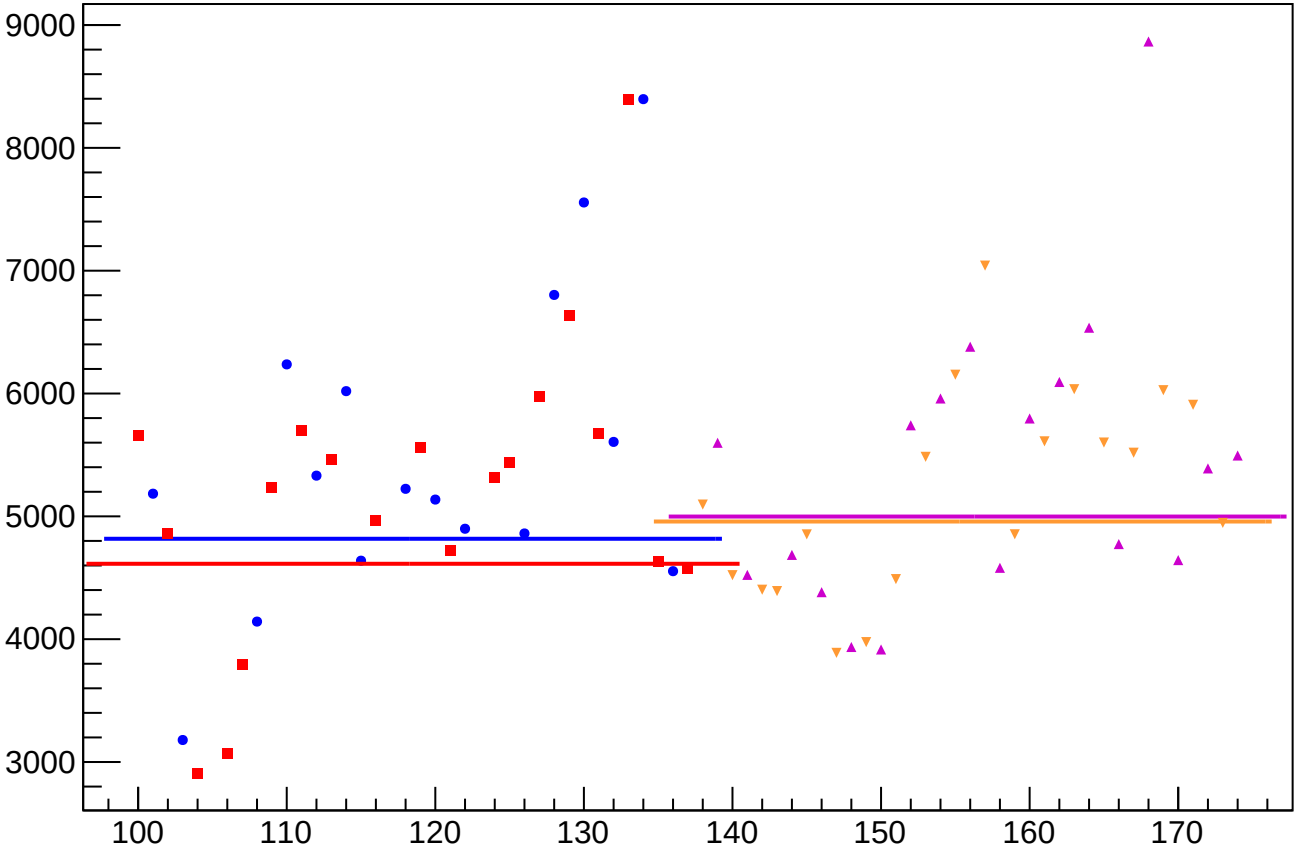
Left In: -311.642+/-1322.696 χ^2/NDF:13.3/17

+ sign 431.824+/-1065.572 χ^2/NDF: 34.4/34

All: 321.431+/-750.975 χ^2/NDF: 64.4/71

- 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: 4957.997+/-0.922 χ^2/NDF:719515.8/18

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

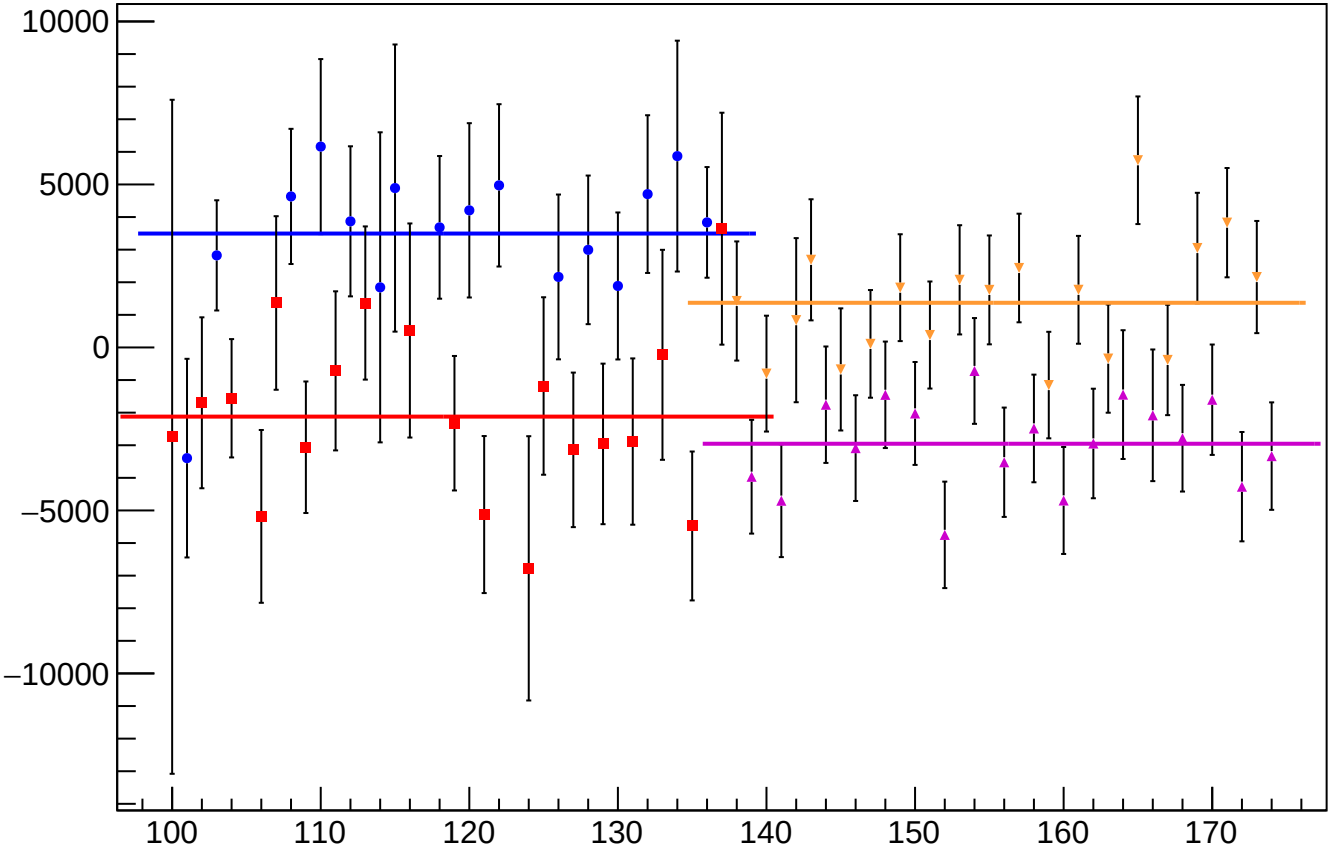
Left In: 4998.352+/-0.935 χ^2/NDF:1017268.0/17

+ sign 4911.295+/-0.753 χ^2/NDF: 1522466.6/34

All: 4885.534+/-0.531 χ^2/NDF: 3580779.2/71

- 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: 1370.017+/-398.779 χ^2/NDF:17.8/18

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

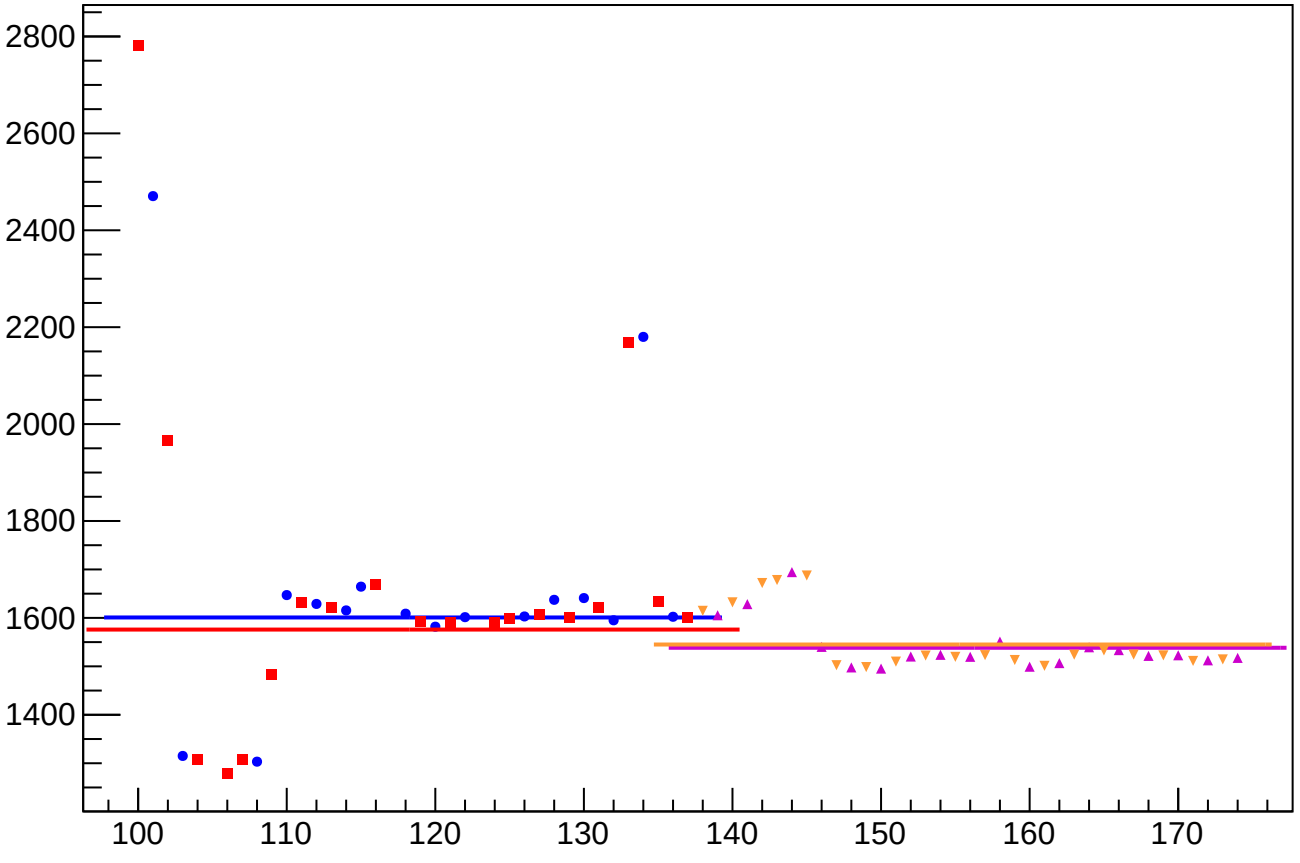
Left In: -2954.060+/-398.965 χ^2/NDF:11.2/17

+ sign 2019.020+/-332.316 χ^2/NDF: 35.3/34

All: -352.136+/-234.187 χ^2/NDF: 164.1/71

- 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: 1545.046+/-0.282 χ^2/NDF:44348.4/18

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

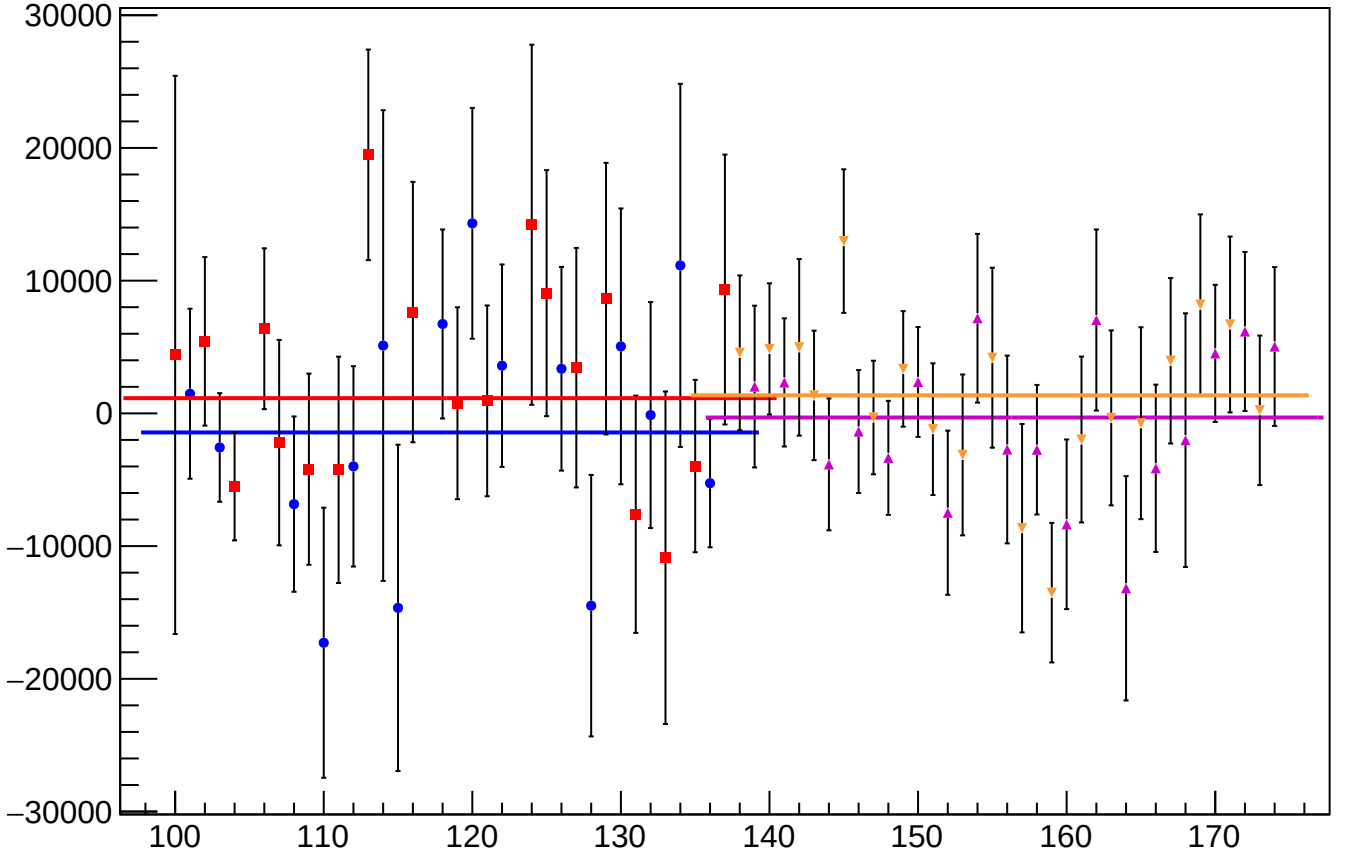
Left In: 1538.331+/-0.282 χ^2/NDF:30190.7/17

+ sign 1562.107+/-0.235 χ^2/NDF: 373741.1/34

All: 1556.130+/-0.165 χ^2/NDF: 654173.0/71

- sign 1550.249+/-0.233 χ^2/NDF: 279148.6/36

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1362.329+/-1304.102 χ^2/NDF:19.0/18

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

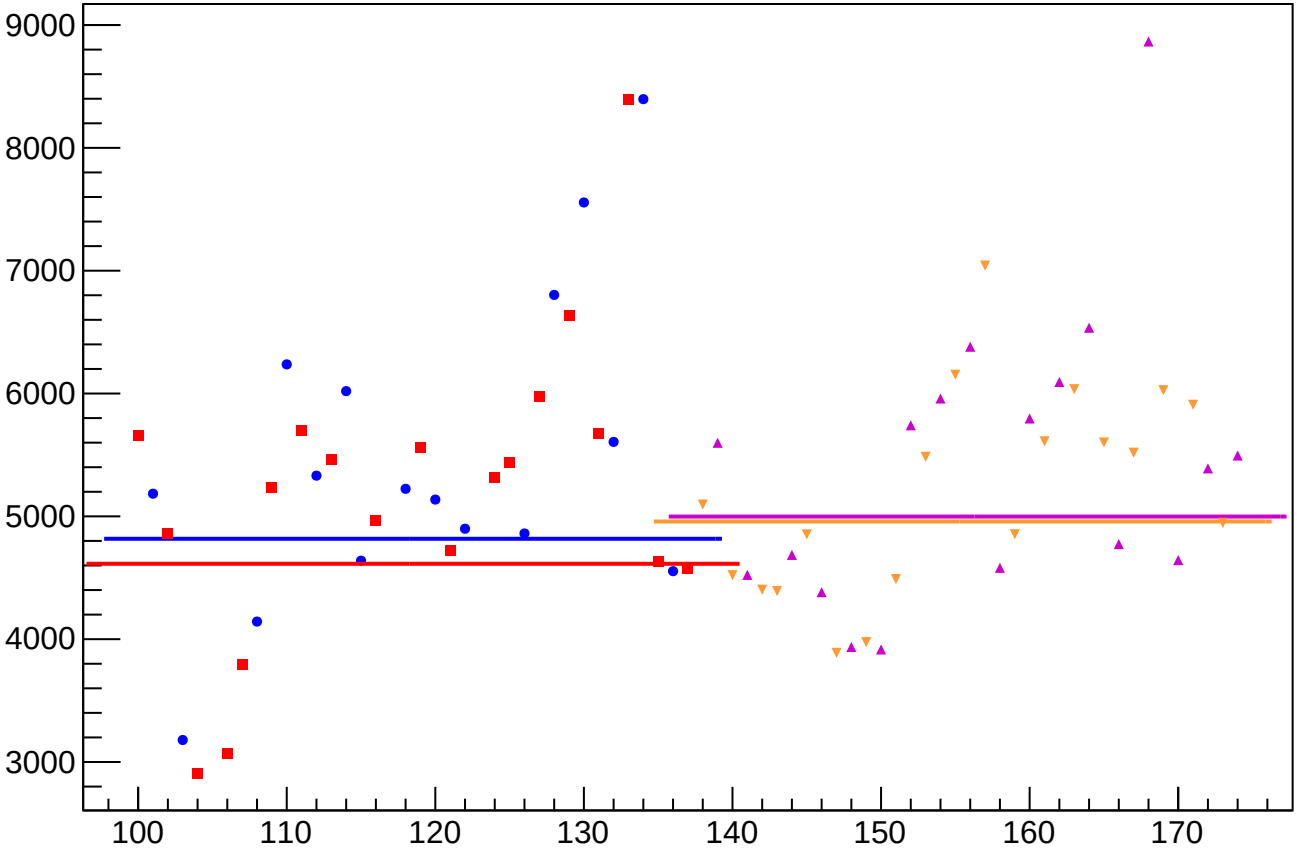
Left In: -311.642+/-1322.696 χ^2/NDF:13.3/17

\+ sign 431.824+/-1065.572 χ^2/NDF: 34.4/34

All: 321.431+/-750.975 χ^2/NDF: 64.4/71

\- 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: 4957.997+/-0.922 χ^2/NDF:719515.8/18

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

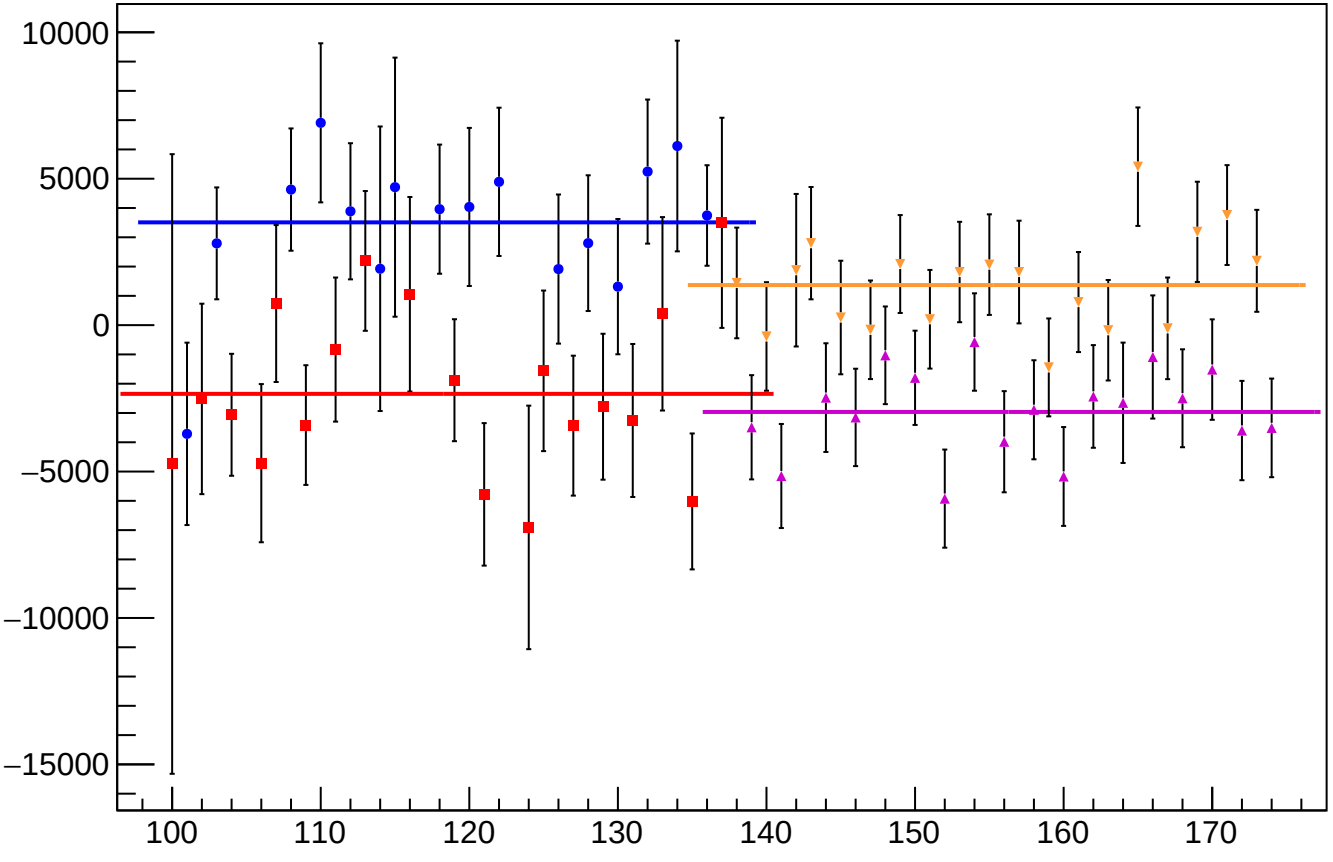
Left In: 4998.352+/-0.935 χ^2/NDF:1017268.0/17

+ sign 4911.295+/-0.753 χ^2/NDF: 1522466.6/34

All: 4885.534+/-0.531 χ^2/NDF: 3580779.2/71

- 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: 1368.829+/-409.738 χ^2/NDF:15.4/18

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

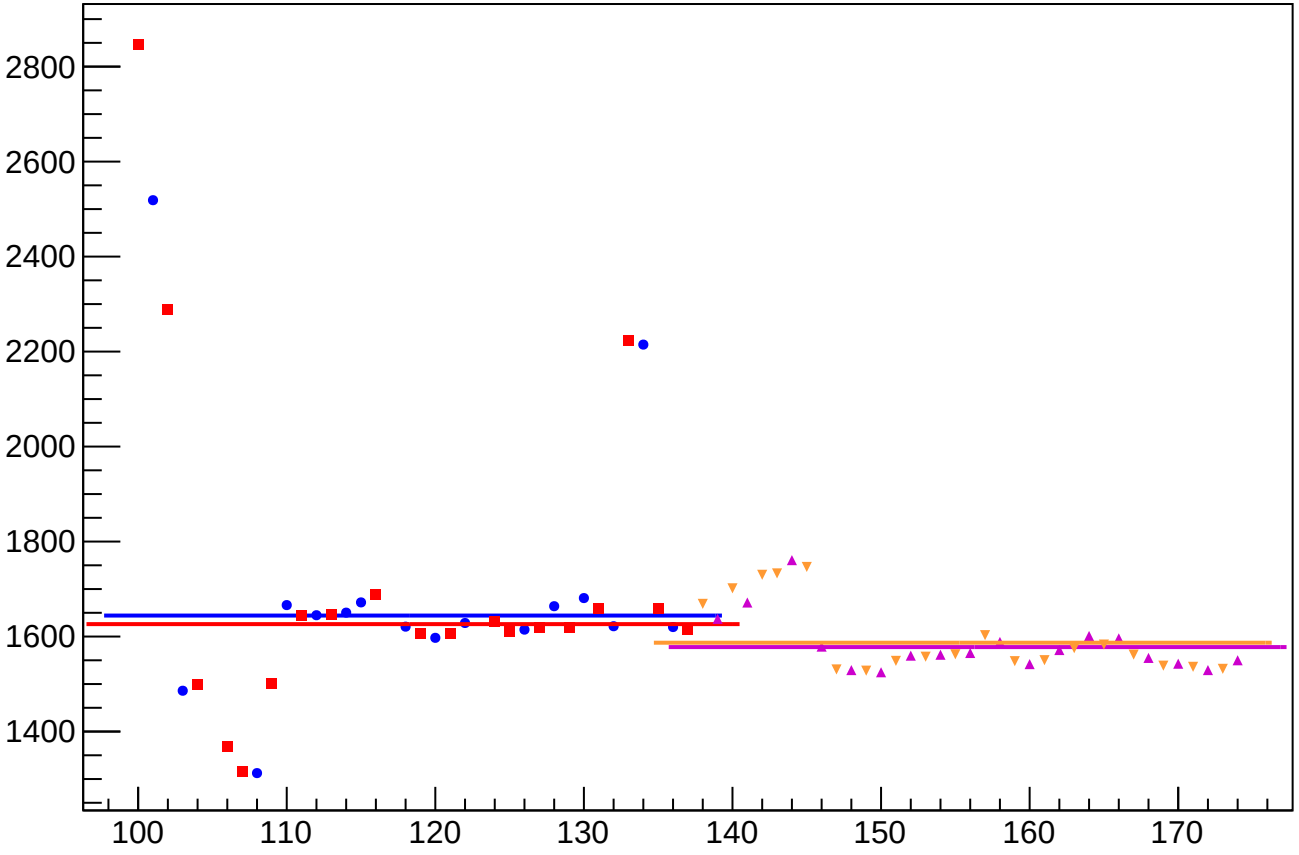
Left In: -2964.559+/-409.284 χ^2/NDF:12.7/17

+ sign 2024.367+/-341.283 χ^2/NDF: 34.1/34

All: -386.685+/-240.668 χ^2/NDF: 164.0/71

- 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: 1587.038+/-0.290 χ^2/NDF:57315.4/18

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

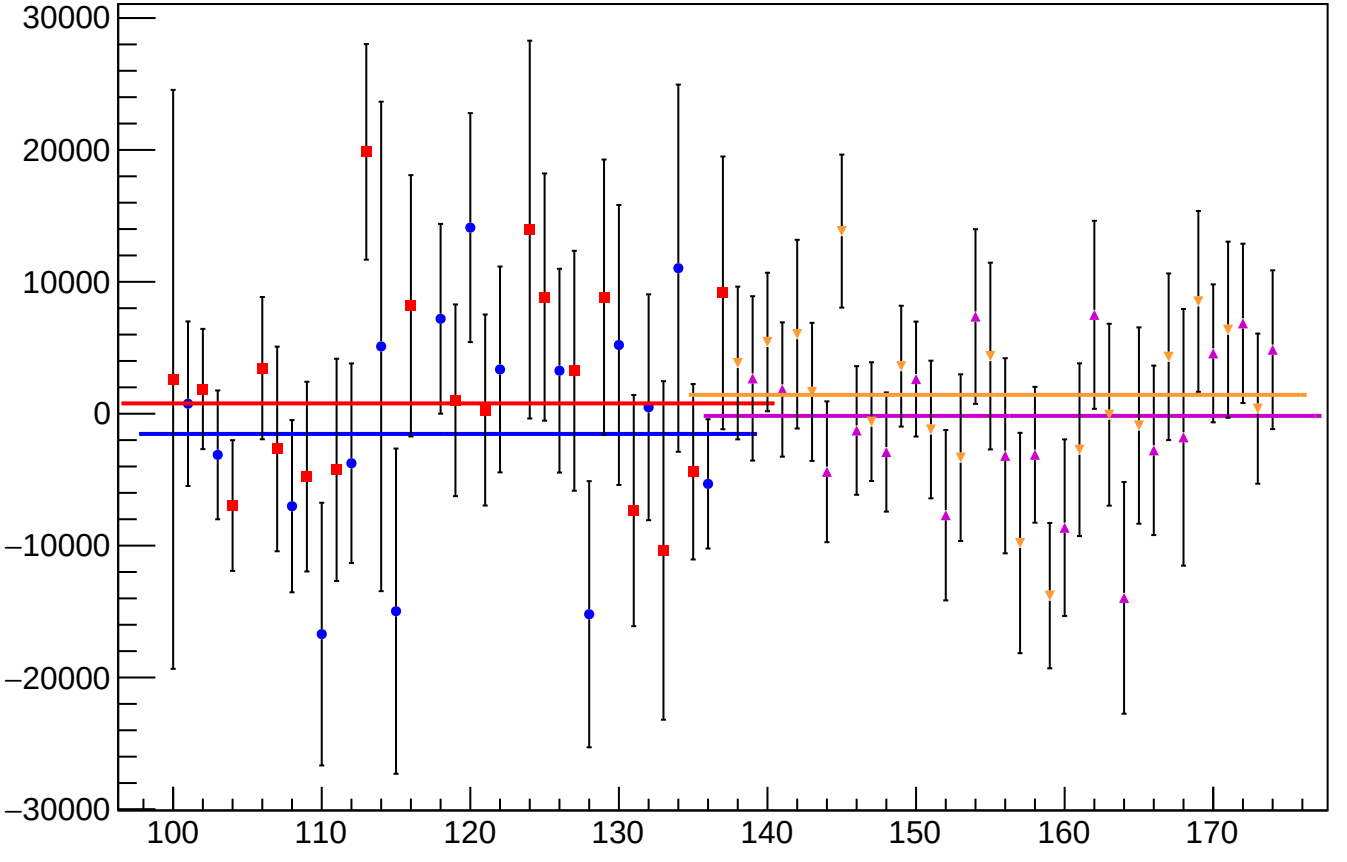
Left In: 1577.823+/-0.289 χ^2/NDF:36441.5/17

+ sign 1604.542+/-0.241 χ^2/NDF: 344052.6/34

All: 1598.706+/-0.170 χ^2/NDF: 628020.8/71

- 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: 1430.282+/-1360.954 χ^2/NDF:19.0/18

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

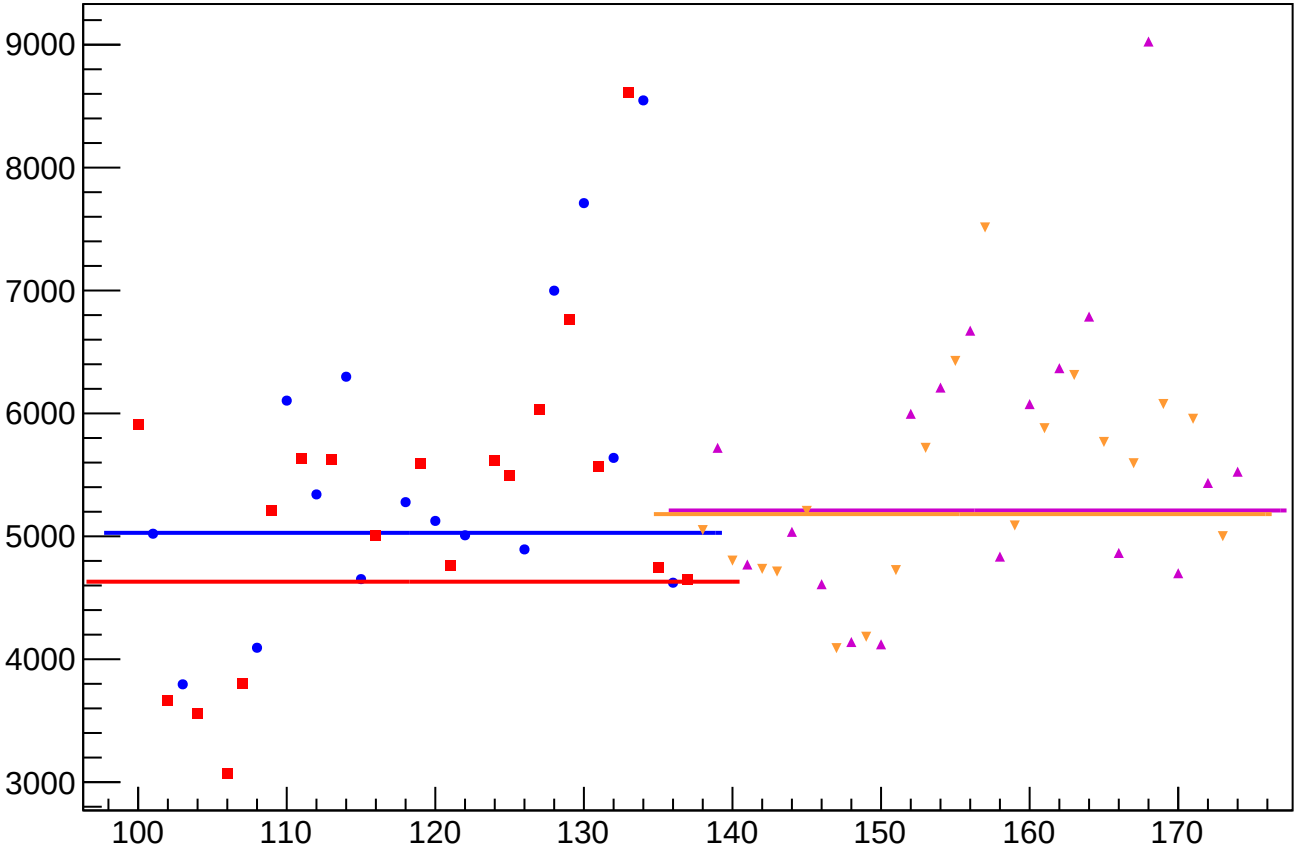
Left In: -164.112+/-1377.295 χ^2/NDF:13.3/17

\+ sign 435.340+/-1109.108 χ^2/NDF: 34.5/34

All: 314.237+/-774.482 χ^2/NDF: 63.0/71

\- 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: 5180.768+/-0.962 χ^2/NDF:656500.3/18

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

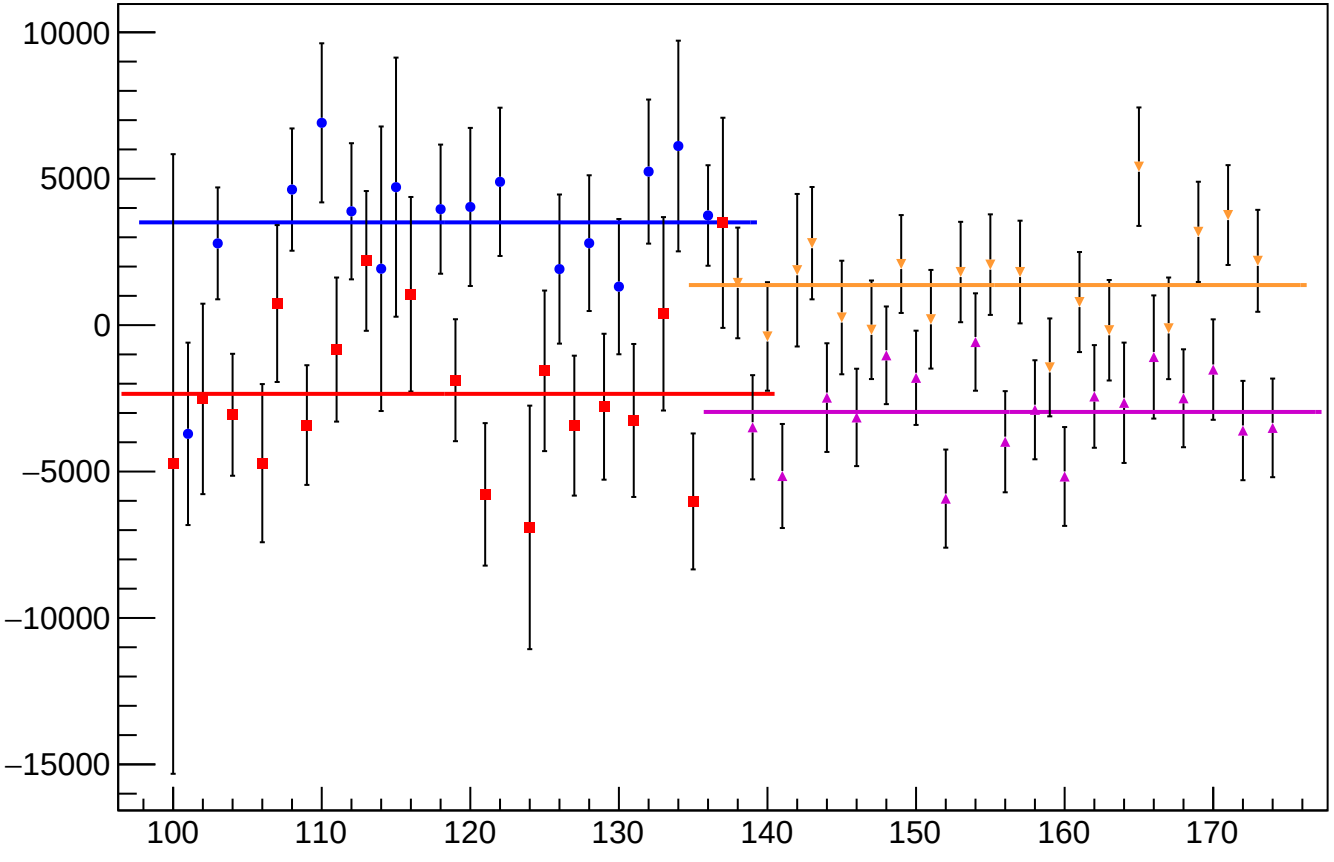
Left In: 5210.392+/-0.974 χ^2/NDF:953247.2/17

+ sign 5129.611+/-0.784 χ^2/NDF: 1230383.7/34

All: 5057.316+/-0.548 χ^2/NDF: 3199289.7/71

- 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: 1368.822+/-409.739 χ^2/NDF:15.4/18

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

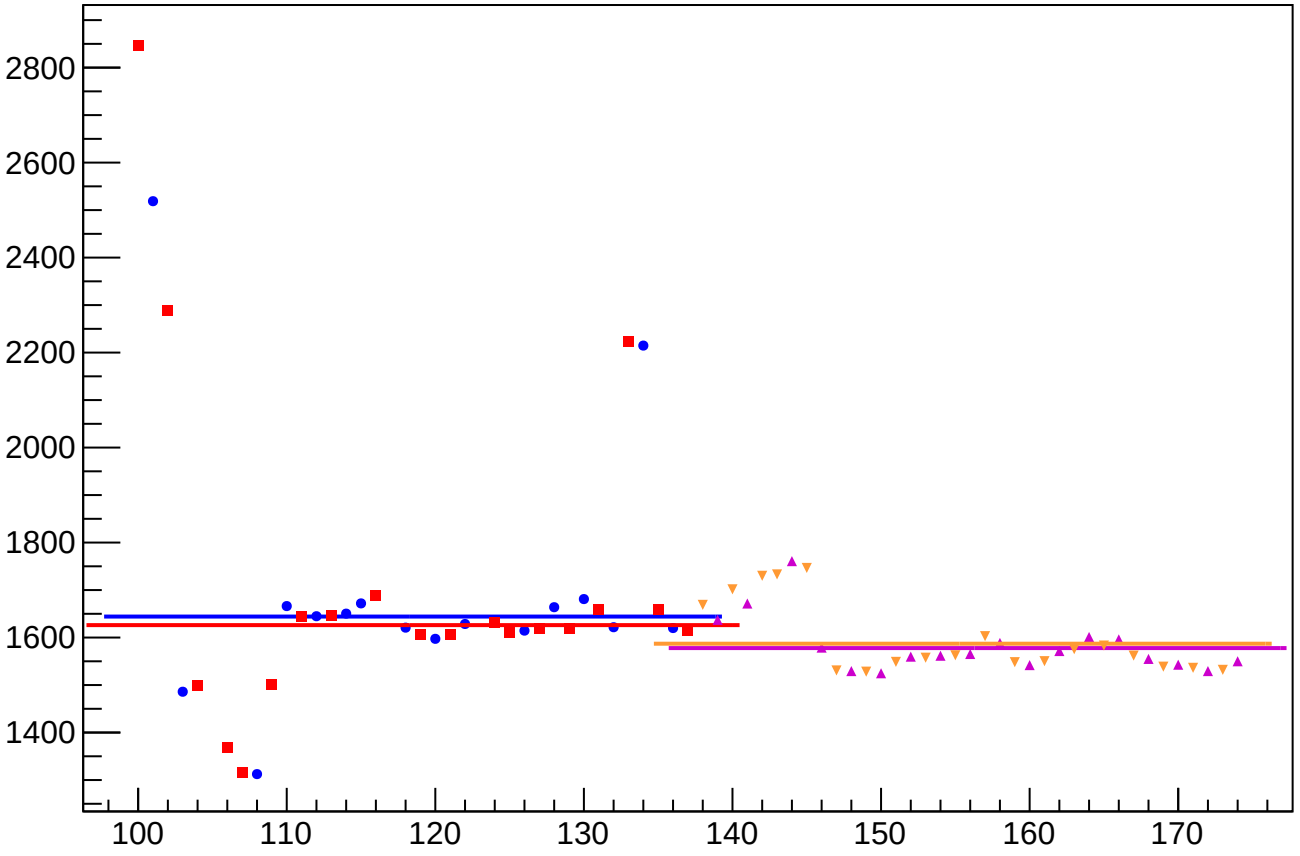
Left In: -2964.562+/-409.284 χ^2/NDF:12.7/17

+ sign 2024.364+/-341.283 χ^2/NDF: 34.1/34

All: -386.688+/-240.668 χ^2/NDF: 164.0/71

- 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: 1587.039+/-0.290 χ^2/NDF:57315.6/18

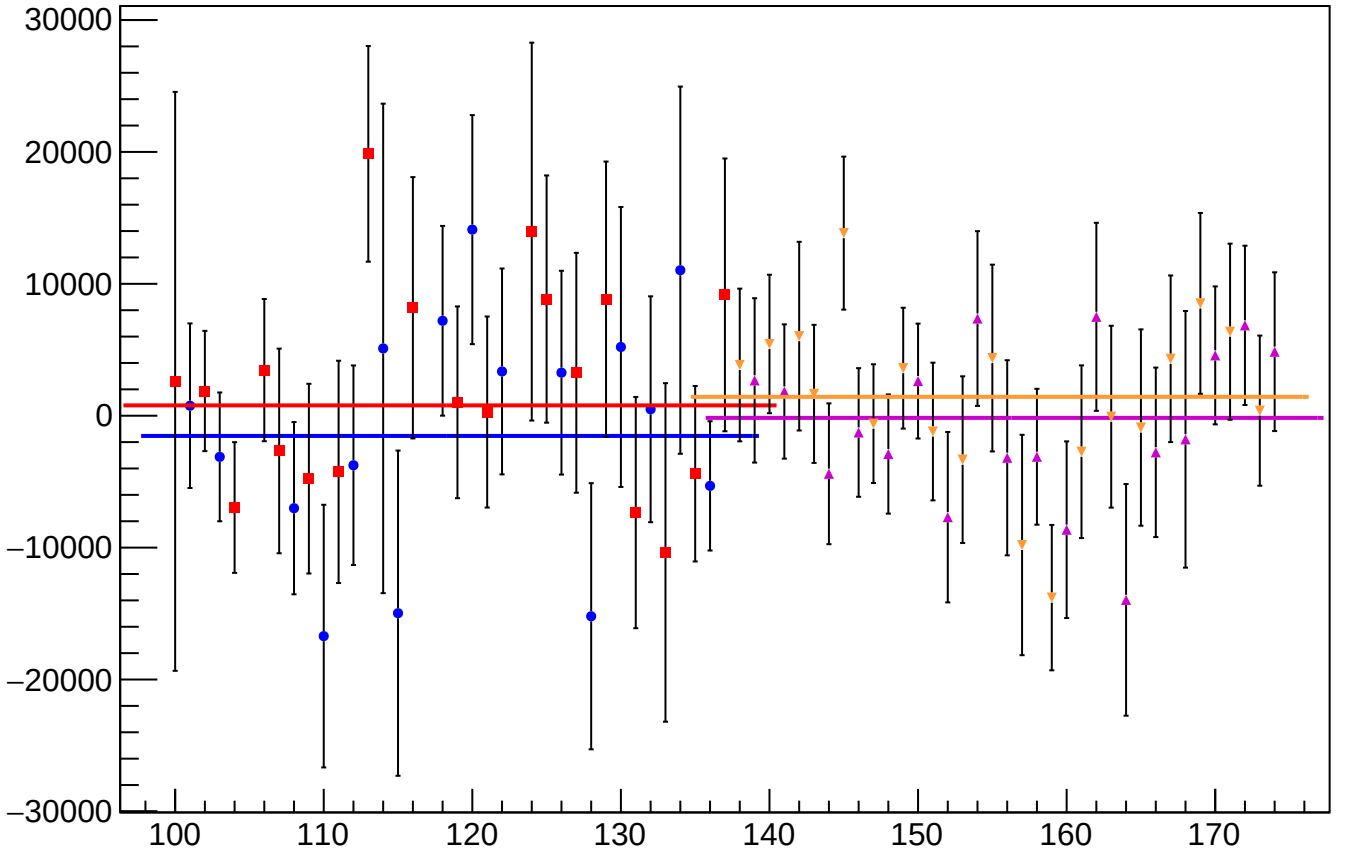
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1577.824+/-0.289 χ^2/NDF:36441.6/17

+ sign 1604.543+/-0.241 χ^2/NDF: 344052.3/34

All: 1598.707+/-0.170 χ^2/NDF: 628019.6/71

- 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: 1430.280+/-1360.956 χ^2/NDF:19.0/18

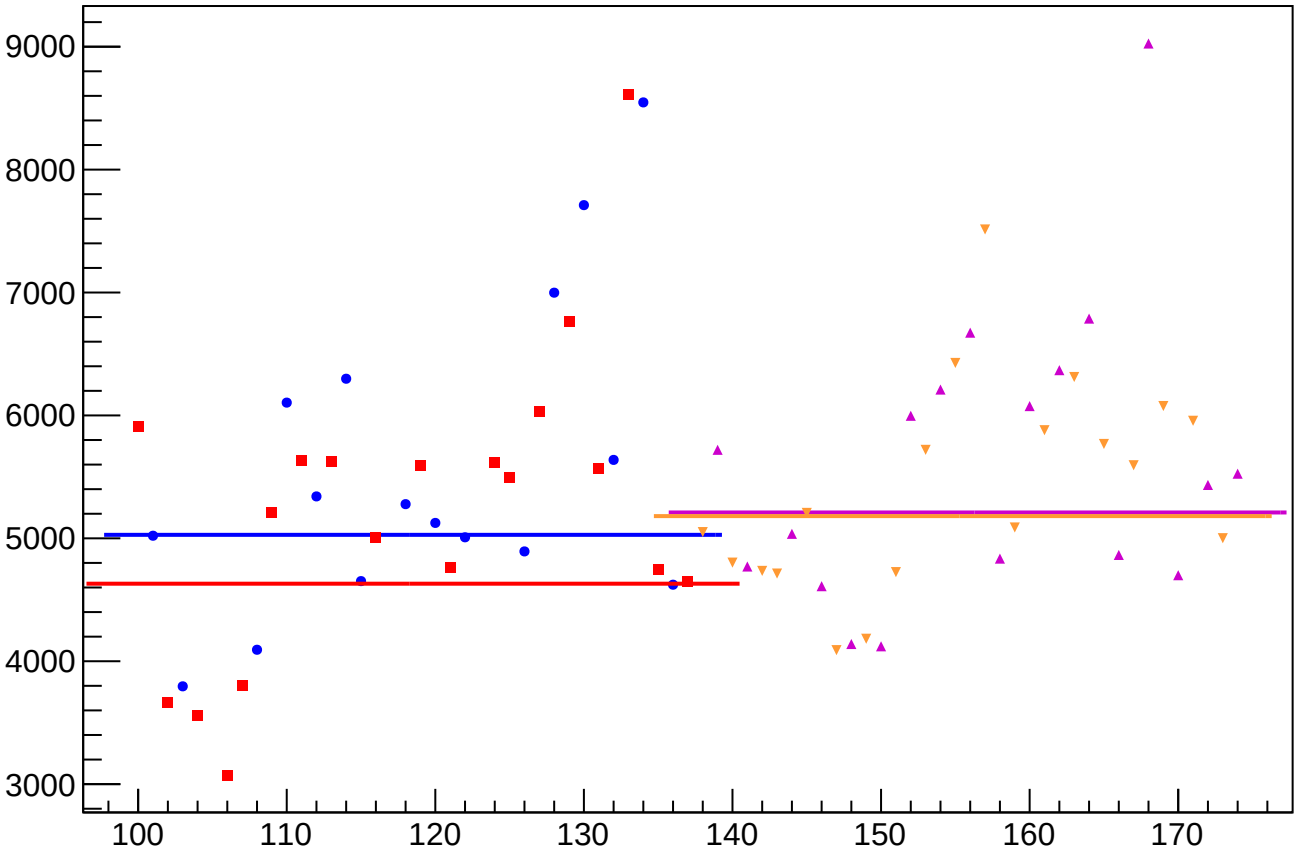
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -164.110+/-1377.297 χ^2/NDF:13.3/17

\+ sign 435.339+/-1109.109 χ^2/NDF: 34.5/34

All: 314.238+/-774.483 χ^2/NDF: 63.0/71

\- 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: 5180.777+/-0.962 χ^2/NDF:656500.8/18

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

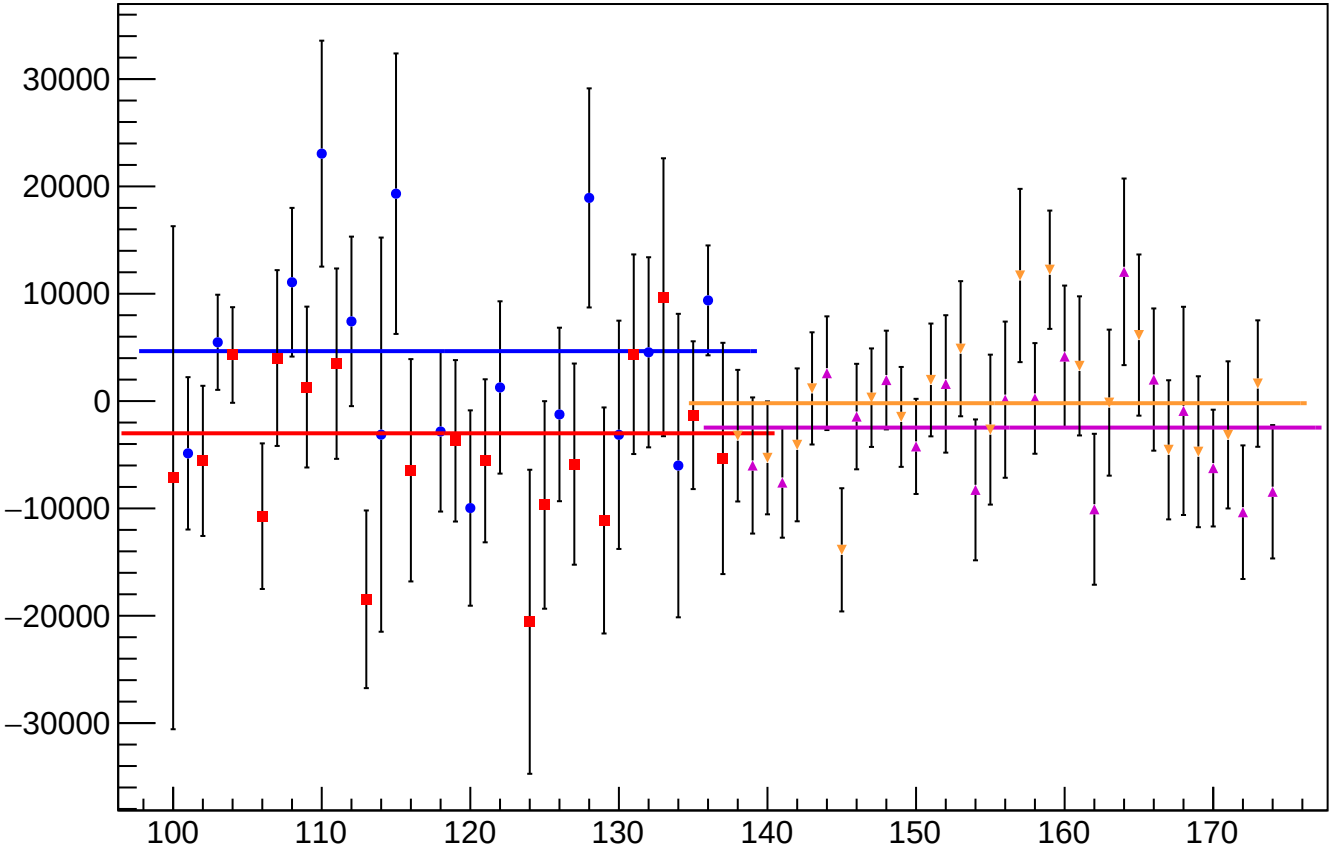
Left In: 5210.401+/-0.974 χ^2/NDF:953248.9/17

+ sign 5129.614+/-0.784 χ^2/NDF: 1230379.7/34

All: 5057.319+/-0.548 χ^2/NDF: 3199288.9/71

- 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: -197.407+/-1372.846 χ^2/NDF:17.7/18

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

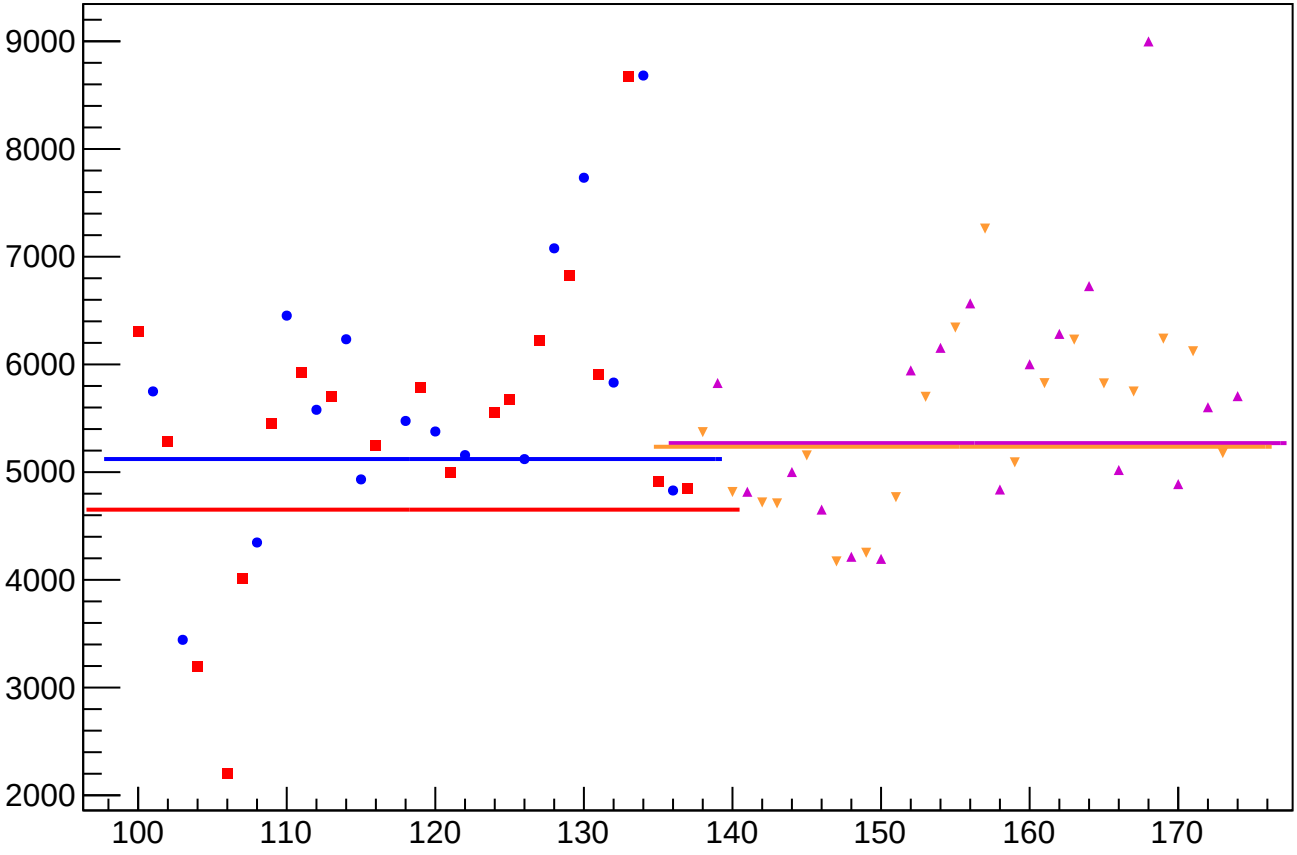
Left In: -2469.833+/-1390.239 χ^2/NDF:13.4/17

+ sign 1400.704+/-1124.167 χ^2/NDF: 37.3/34

All: -638.709+/-792.859 χ^2/NDF: 71.2/71

- 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: 5235.629+/-0.971 χ^2/NDF:604731.2/18

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

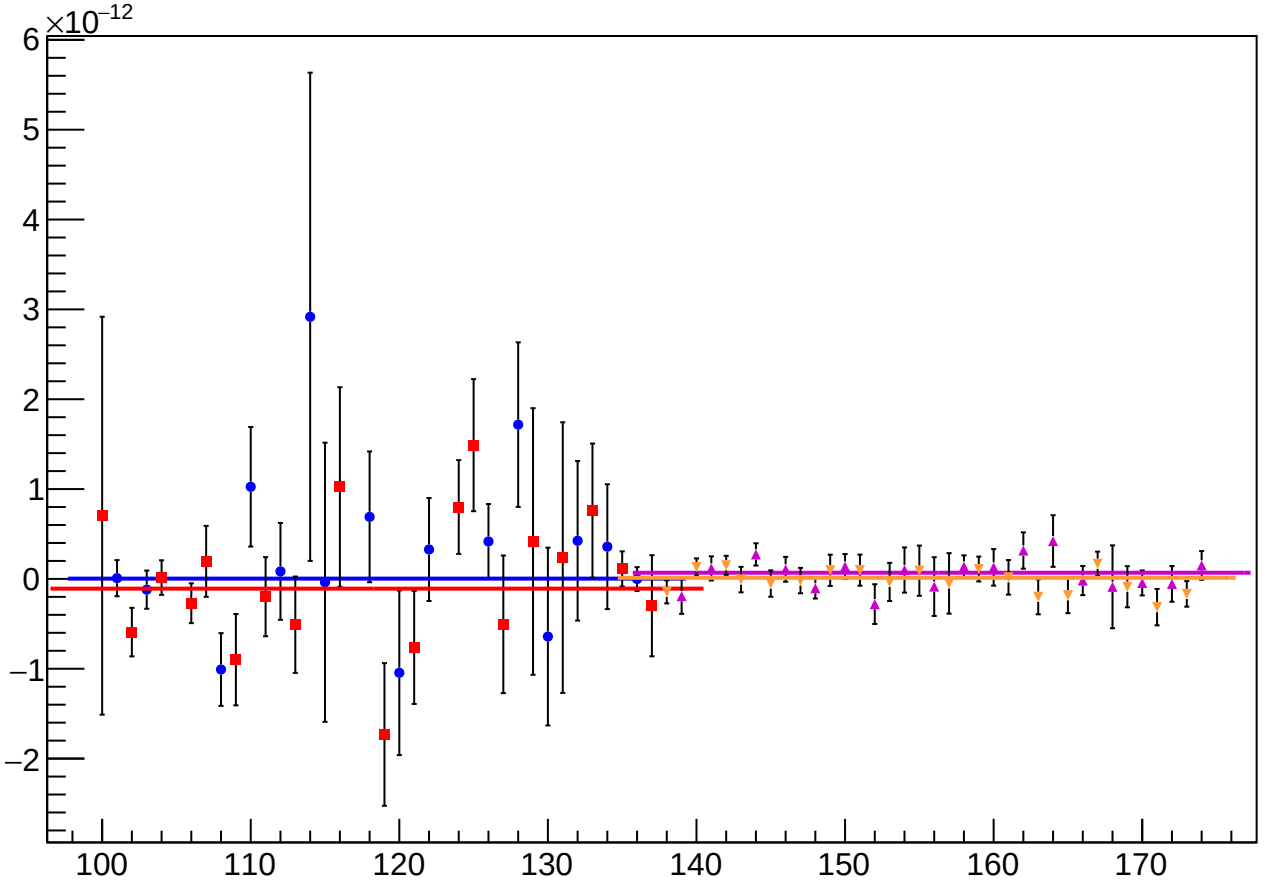
Left In: 5269.485+/-0.983 χ^2/NDF:872819.6/17

+ sign 5198.074+/-0.795 χ^2/NDF: 1329643.8/34

All: 5117.704+/-0.557 χ^2/NDF: 3713848.1/71

- 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:14.0/18

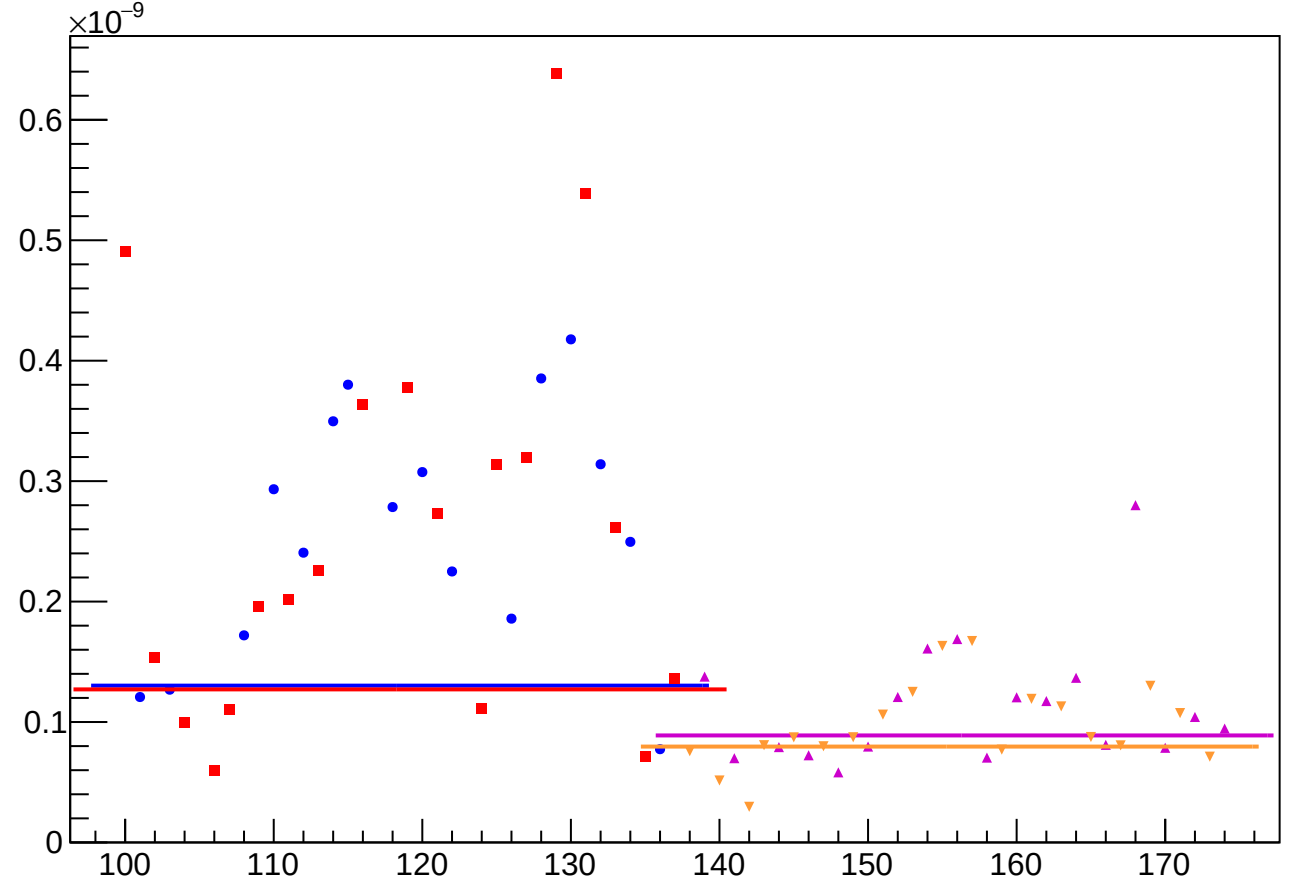
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 32.0/34

All: 0.000+/-0.000 χ^2/NDF: 75.8/71

- 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:1368668.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

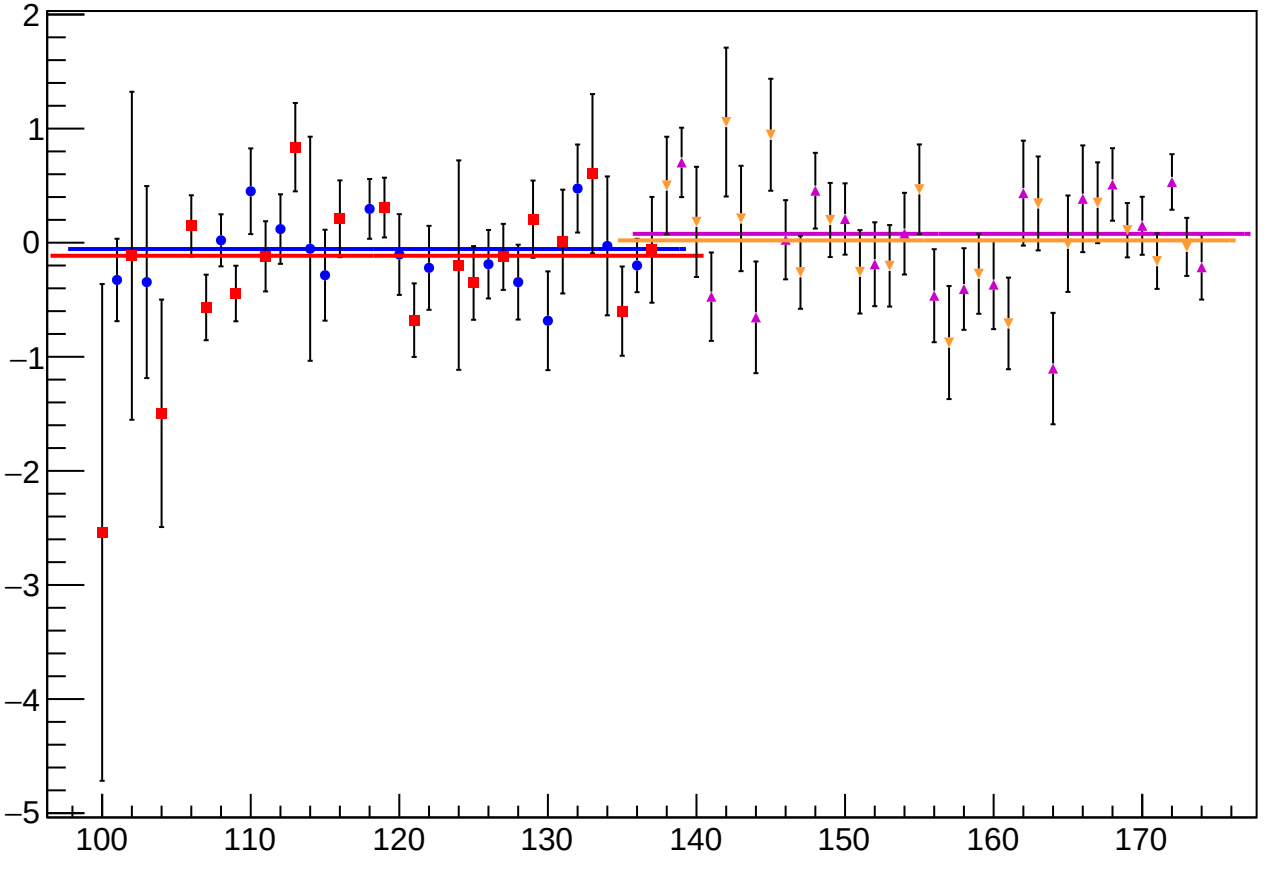
Left In: 0.000+/-0.000 χ^2/NDF:1241069.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 3283596.4/34

All: 0.000+/-0.000 χ^2/NDF: 6620004.1/71

- 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: 0.020+/-0.082 χ^2/NDF:20.5/18

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

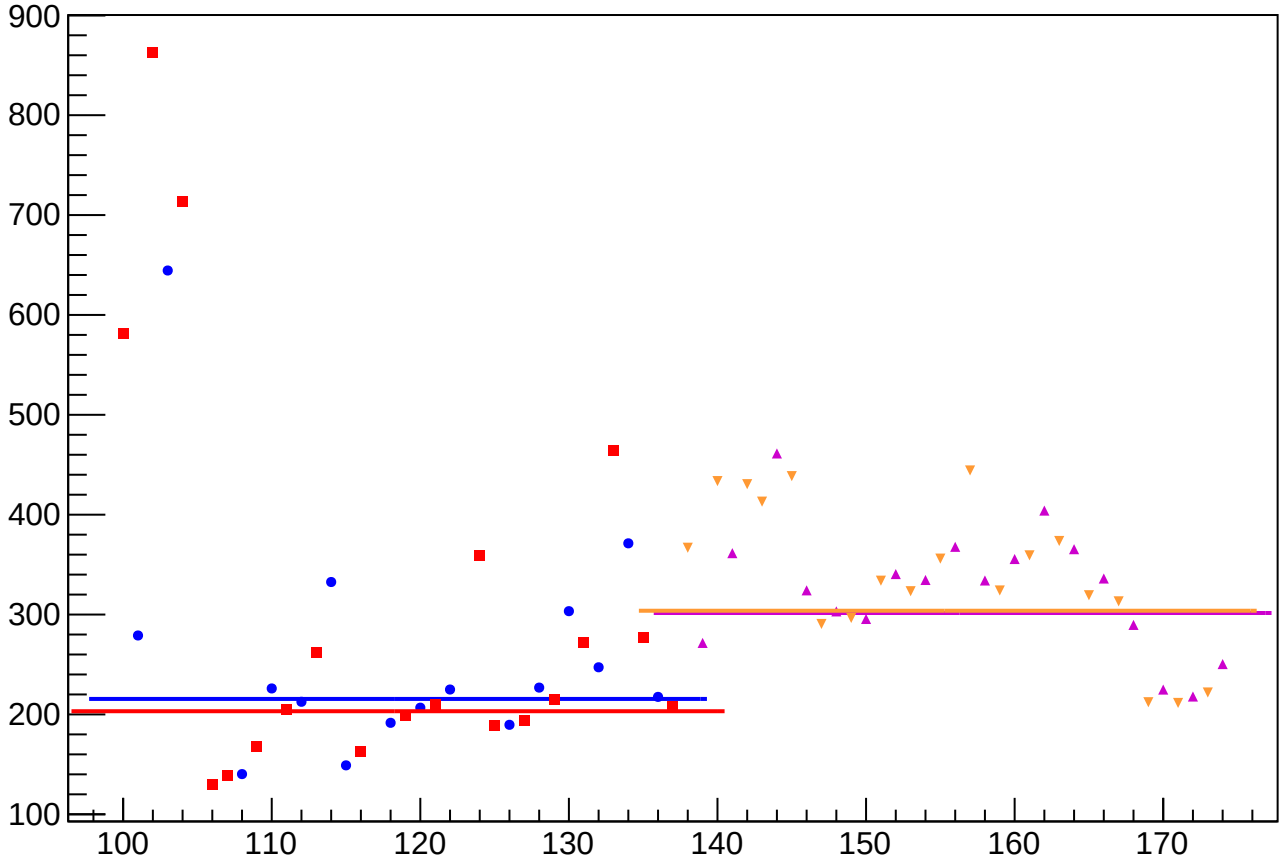
Left In: 0.077+/-0.081 χ^2/NDF:28.8/17

+ sign -0.016+/-0.059 χ^2/NDF: 31.5/34

All: -0.016+/-0.041 χ^2/NDF: 88.3/71

- 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: 303.824+/-0.058 χ^2/NDF:1644657.5/18

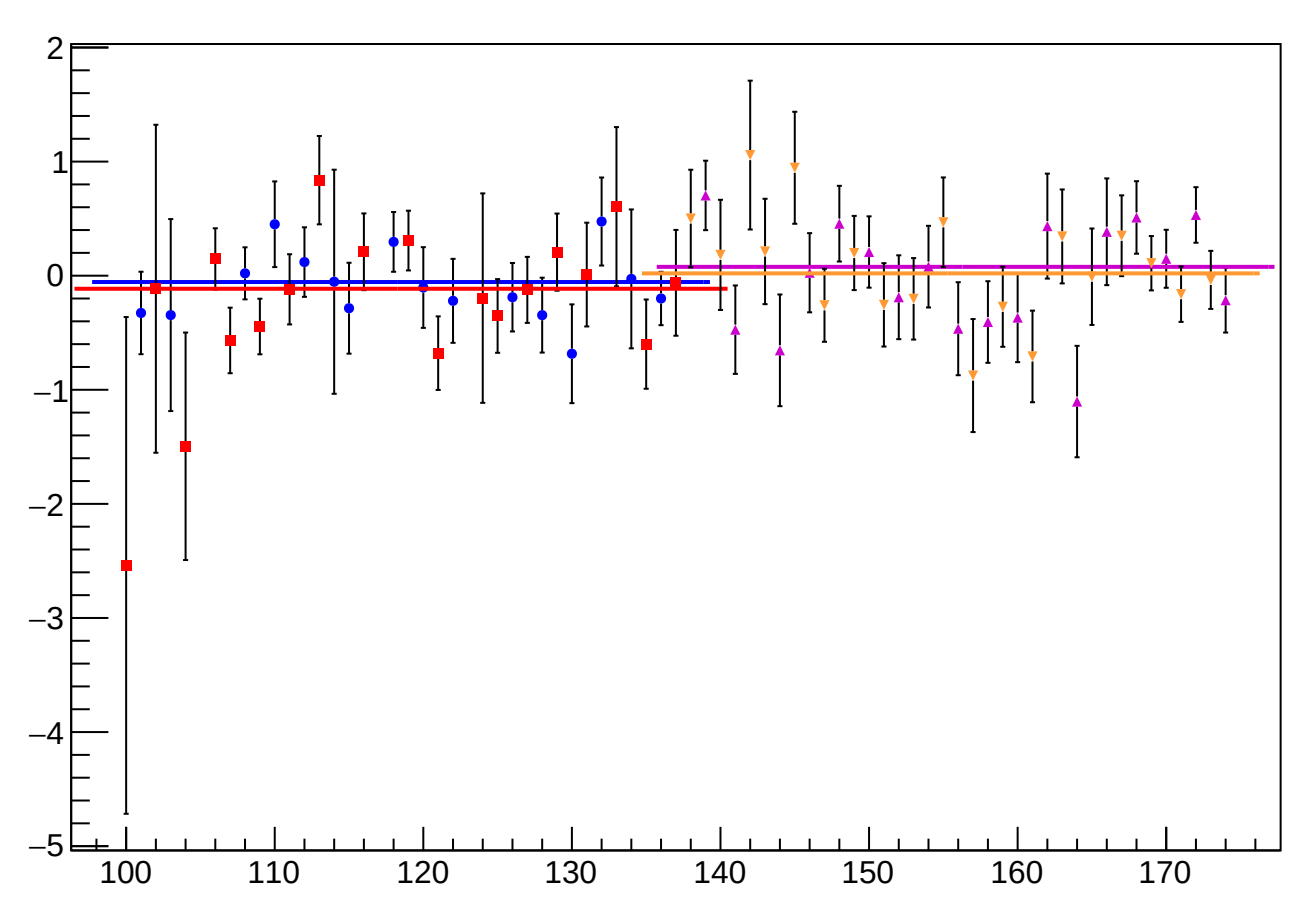
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 301.559+/-0.057 χ^2/NDF:1067132.2/17

+ sign 261.672+/-0.042 χ^2/NDF: 3909201.7/34

All: 257.670+/-0.029 χ^2/NDF: 8267335.0/71

- 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: 0.020+/-0.082 χ^2/NDF:20.5/18

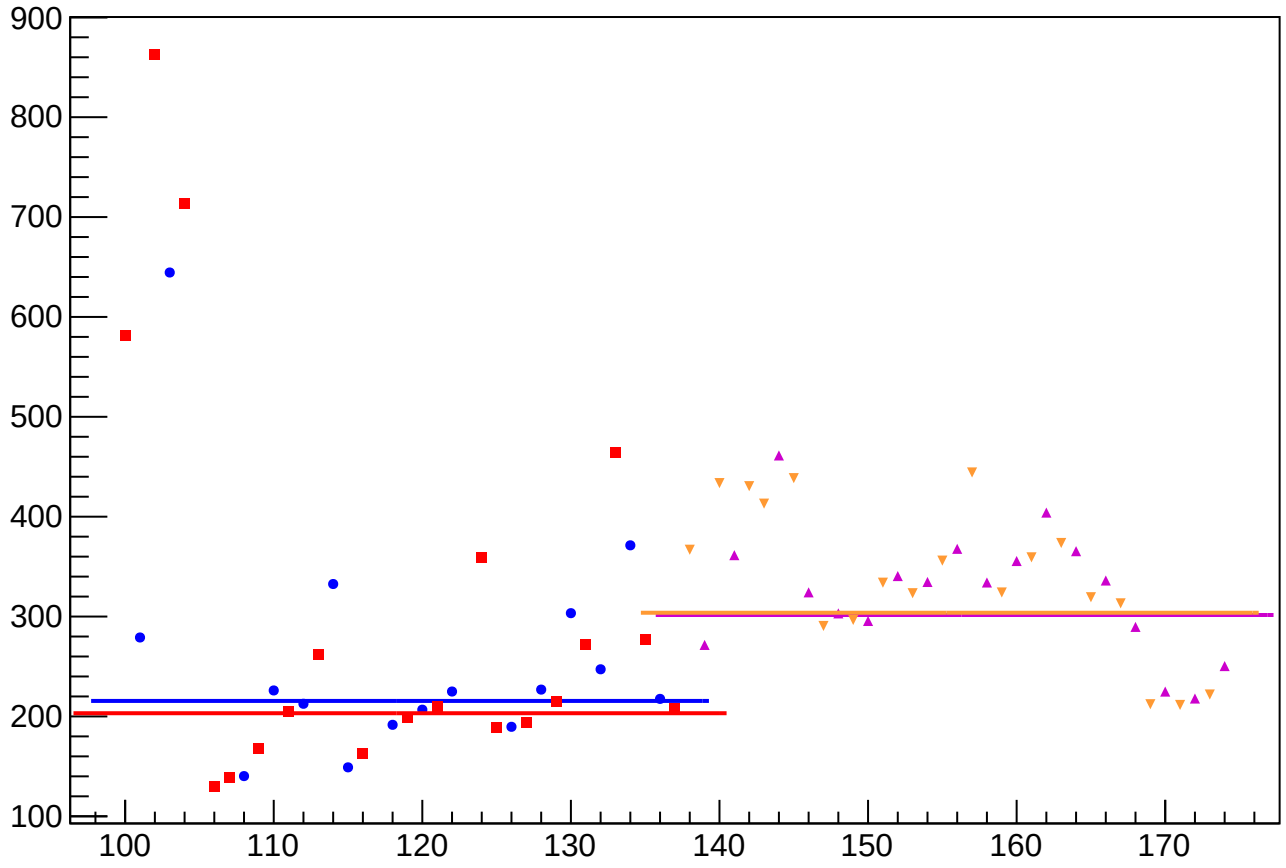
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.077+/-0.081 χ^2/NDF:28.8/17

+ sign -0.016+/-0.059 χ^2/NDF: 31.5/34

All: -0.016+/-0.041 χ^2/NDF: 88.3/71

- 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: 303.824+/-0.058 χ^2/NDF:1644657.5/18

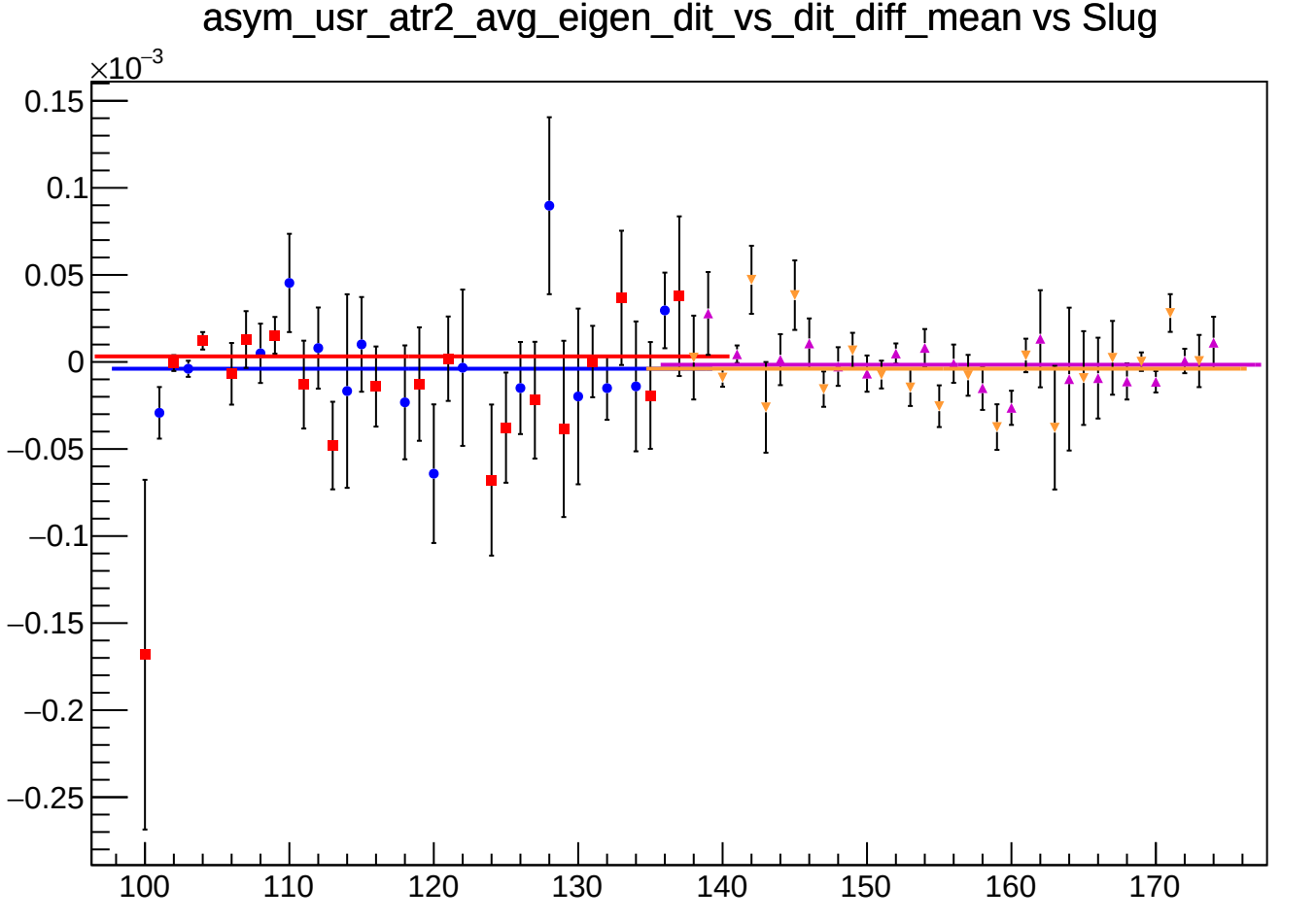
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

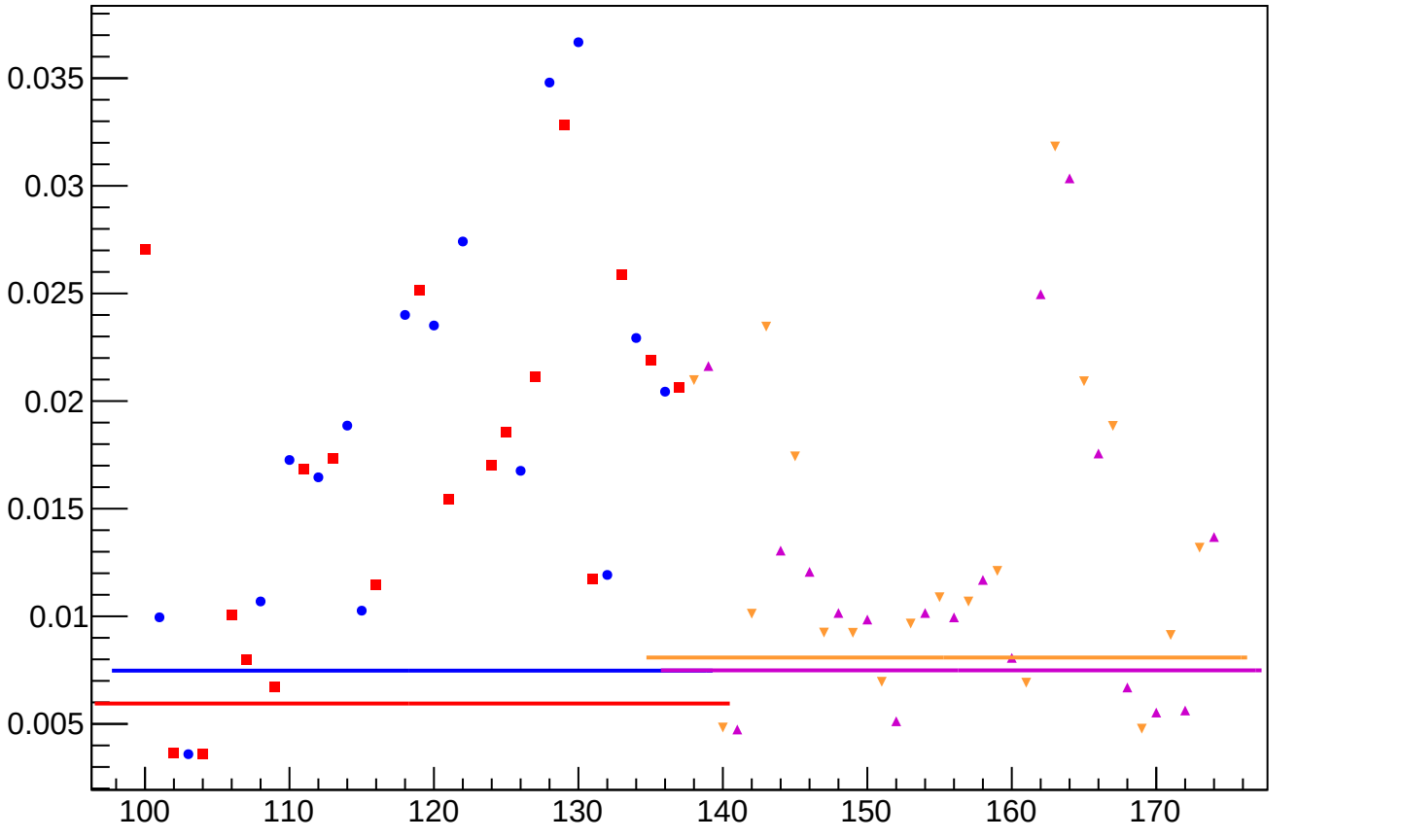
Left In: 301.559+/-0.057 χ^2/NDF:1067132.2/17

+ sign 261.672+/-0.042 χ^2/NDF: 3909201.7/34

All: 257.670+/-0.029 χ^2/NDF: 8267335.0/71

- sign 253.811+/-0.041 χ^2/NDF: 4340086.7/36


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:37.6/18
Right Out: 0.000+/-0.000 χ²/NDF: 21.6/18
Left In: -0.000+/-0.000 χ²/NDF:18.2/17
+ sign -0.000+/-0.000 χ²/NDF: 53.5/34
All: -0.000+/-0.000 χ²/NDF: 97.4/71
- sign 0.000+/-0.000 χ²/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:5937941.9/18

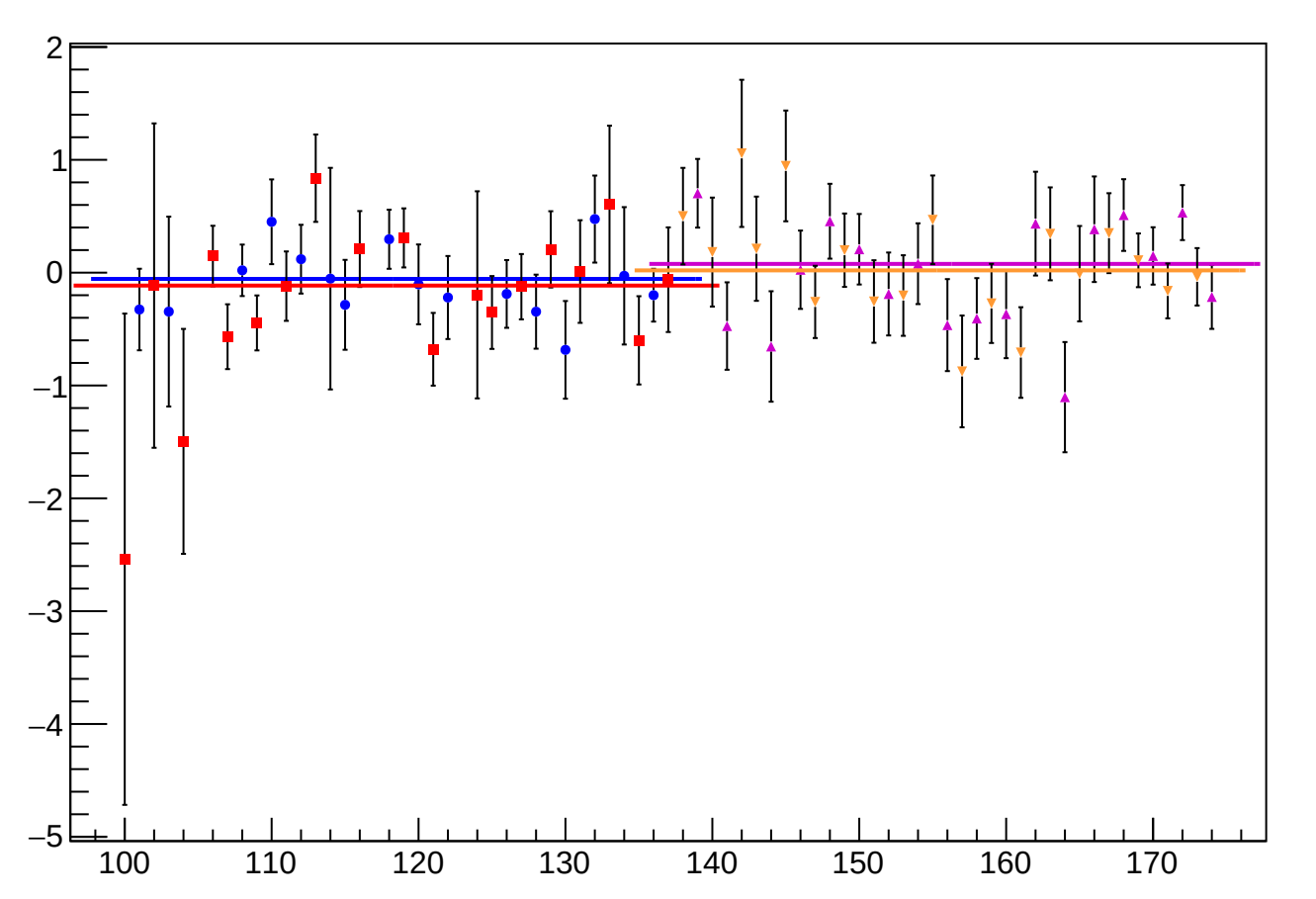
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:5281698.8/17

+ sign 0.008+/-0.000 χ^2/NDF: 12051017.8/34

All: 0.007+/-0.000 χ^2/NDF: 23894463.7/71

- 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: 0.020+/-0.082 χ^2/NDF:20.5/18

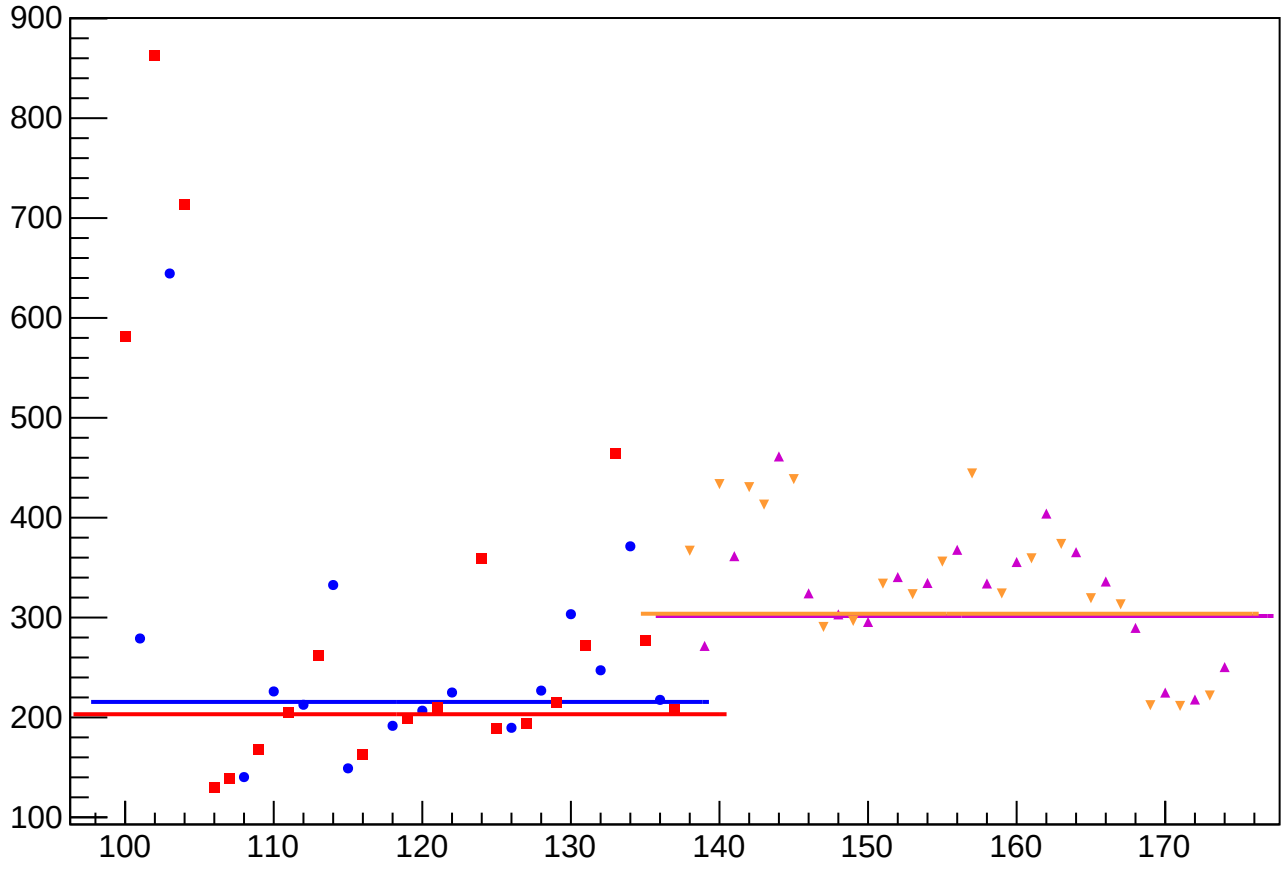
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.077+/-0.081 χ^2/NDF:28.8/17

+ sign -0.016+/-0.059 χ^2/NDF: 31.5/34

All: -0.016+/-0.041 χ^2/NDF: 88.3/71

- 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: 303.827+/-0.058 χ^2/NDF:1644754.1/18

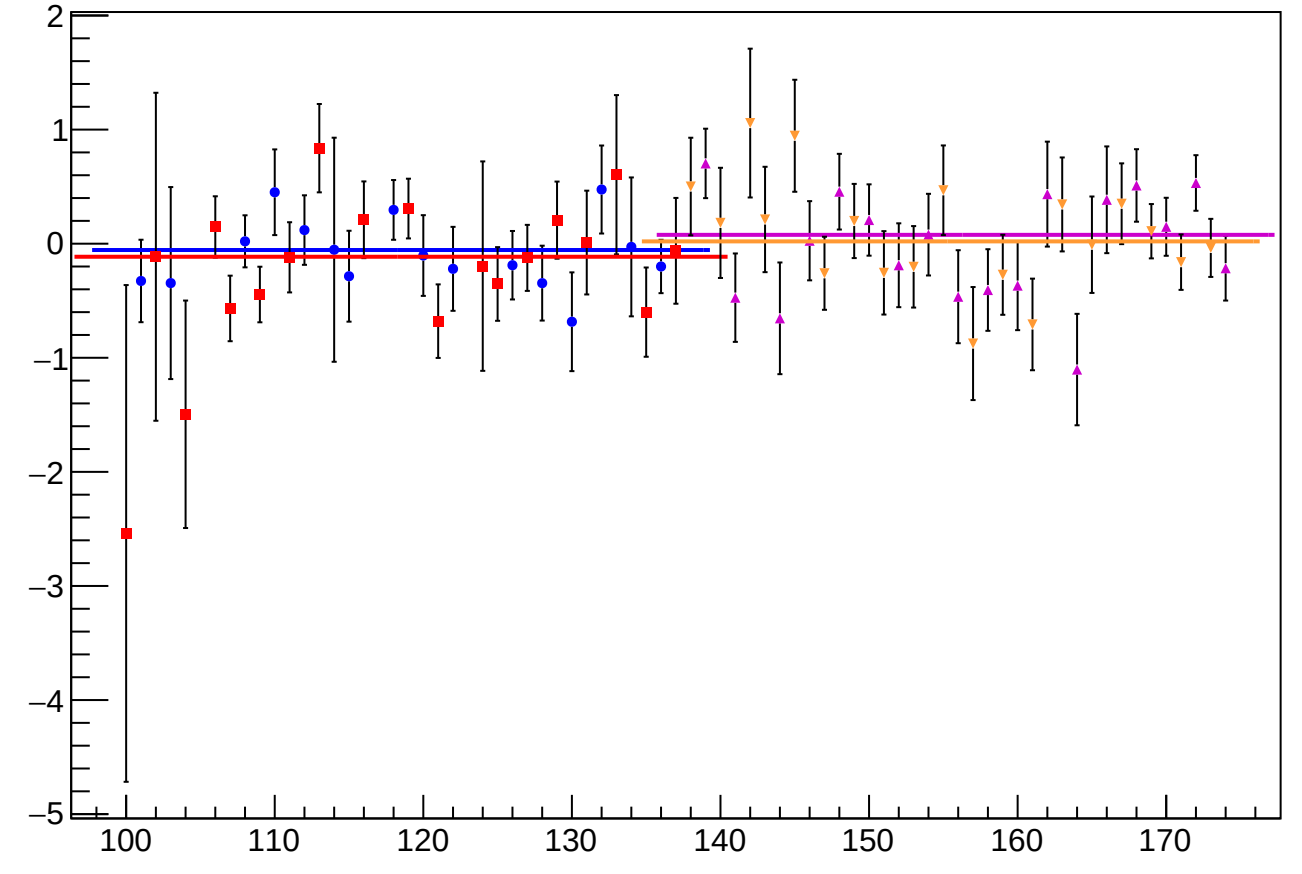
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 301.562+/-0.057 χ^2/NDF:1067182.6/17

+ sign 261.672+/-0.042 χ^2/NDF: 3909371.0/34

All: 257.670+/-0.029 χ^2/NDF: 8267682.1/71

- 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: 0.020+/-0.082 χ^2/NDF:20.5/18

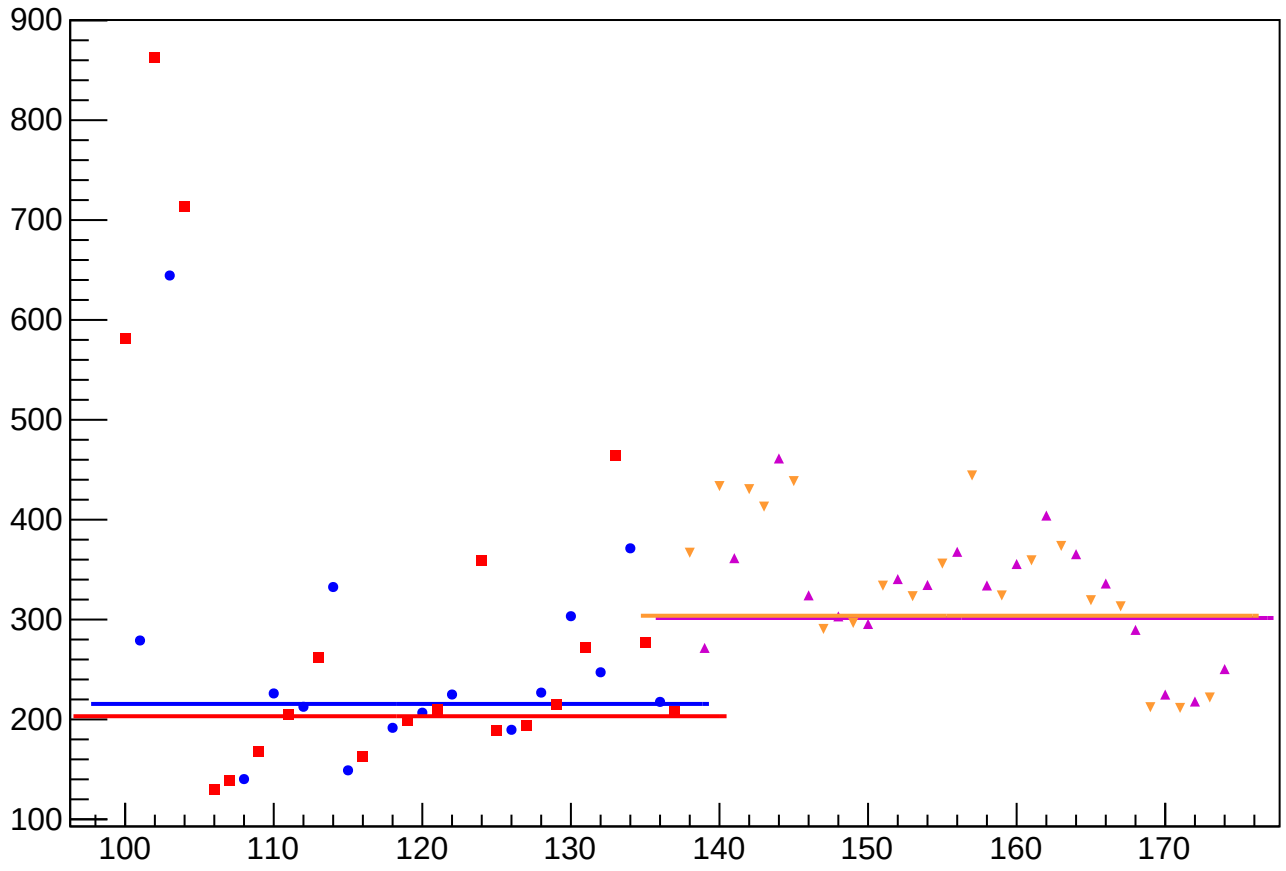
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.077+/-0.081 χ^2/NDF:28.8/17

+ sign -0.016+/-0.059 χ^2/NDF: 31.5/34

All: -0.016+/-0.041 χ^2/NDF: 88.3/71

- 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: 303.827+/-0.058 χ^2/NDF:1644754.1/18

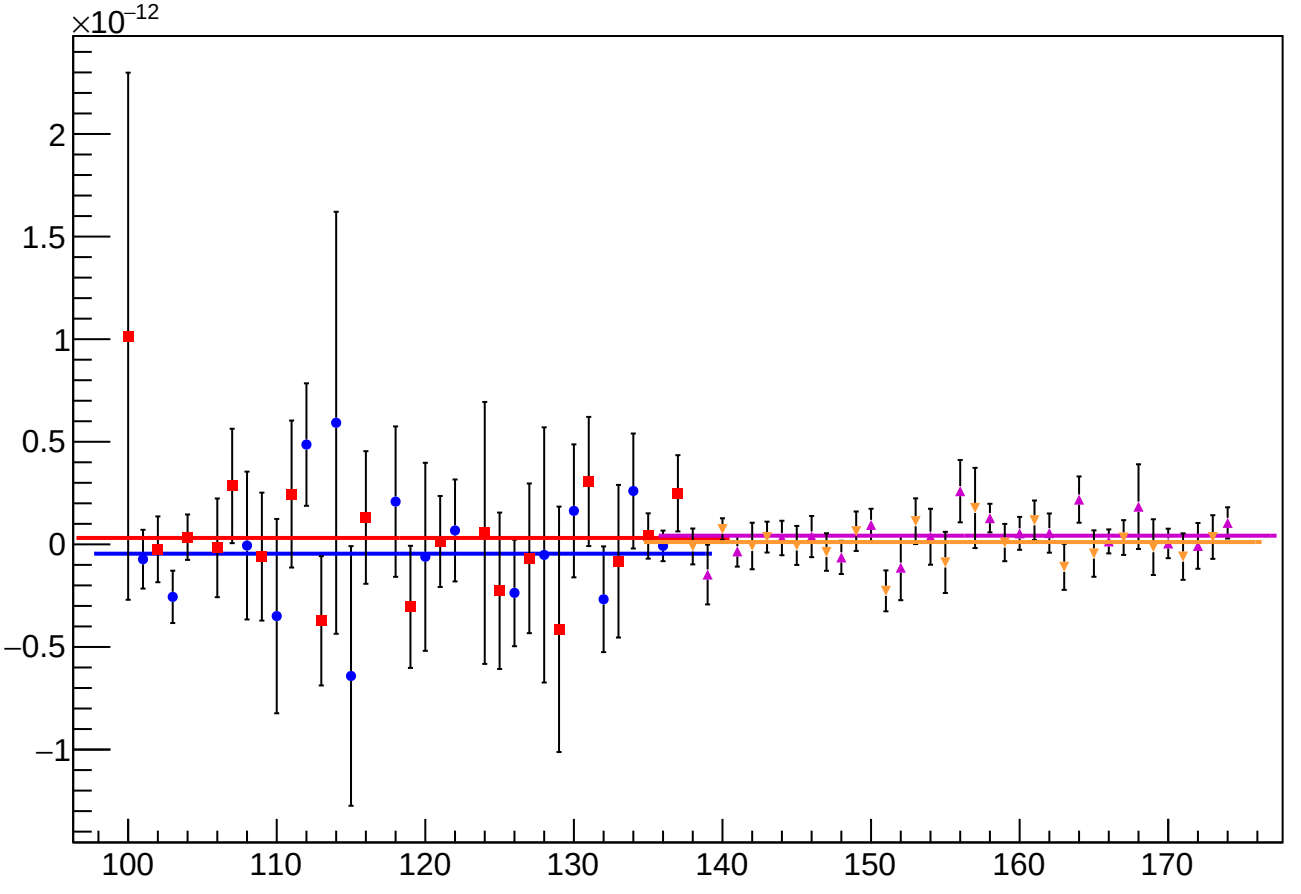
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 301.562+/-0.057 χ^2/NDF:1067182.6/17

+ sign 261.672+/-0.042 χ^2/NDF: 3909371.0/34

All: 257.670+/-0.029 χ^2/NDF: 8267682.1/71

- 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:13.1/18

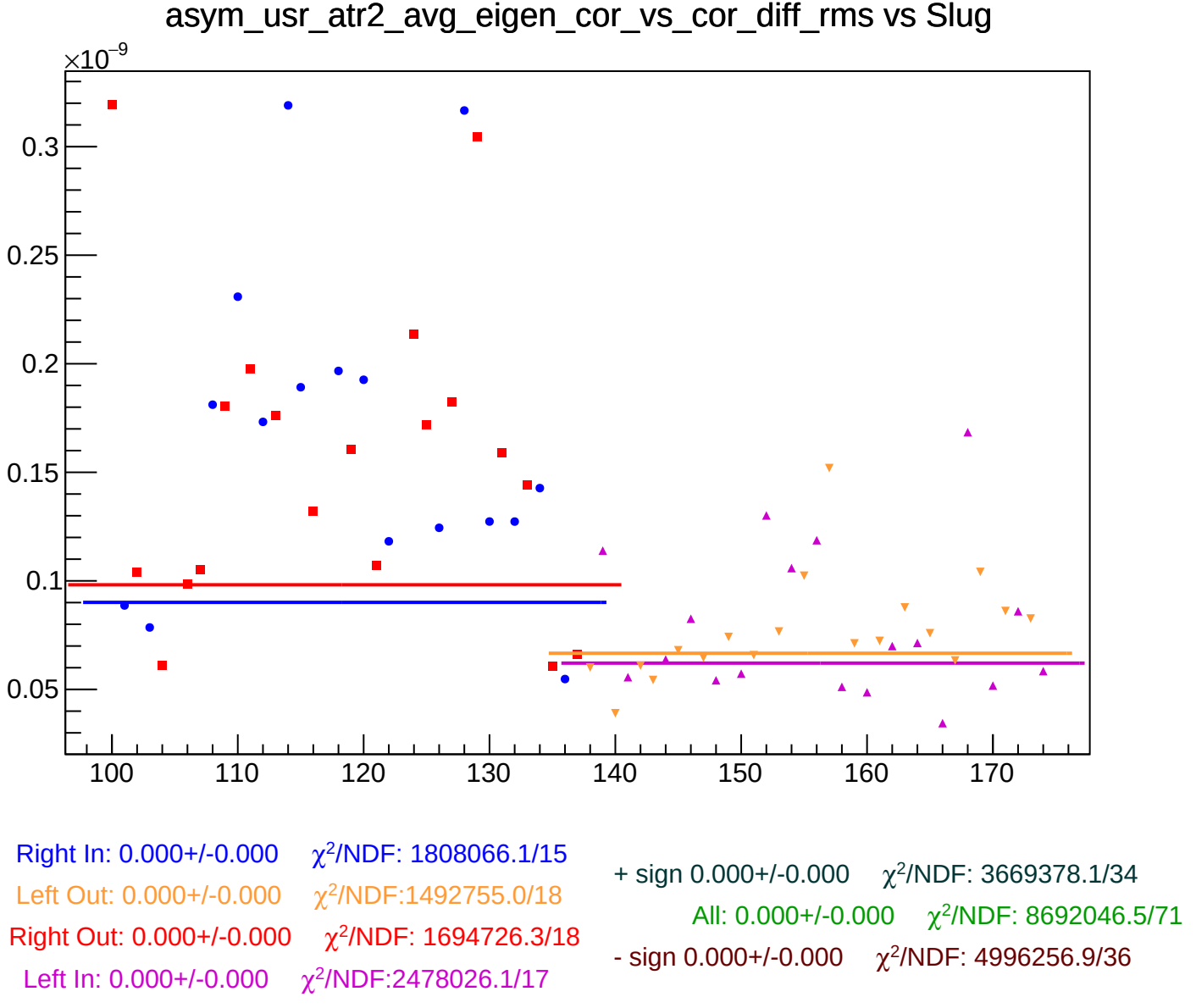
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/17

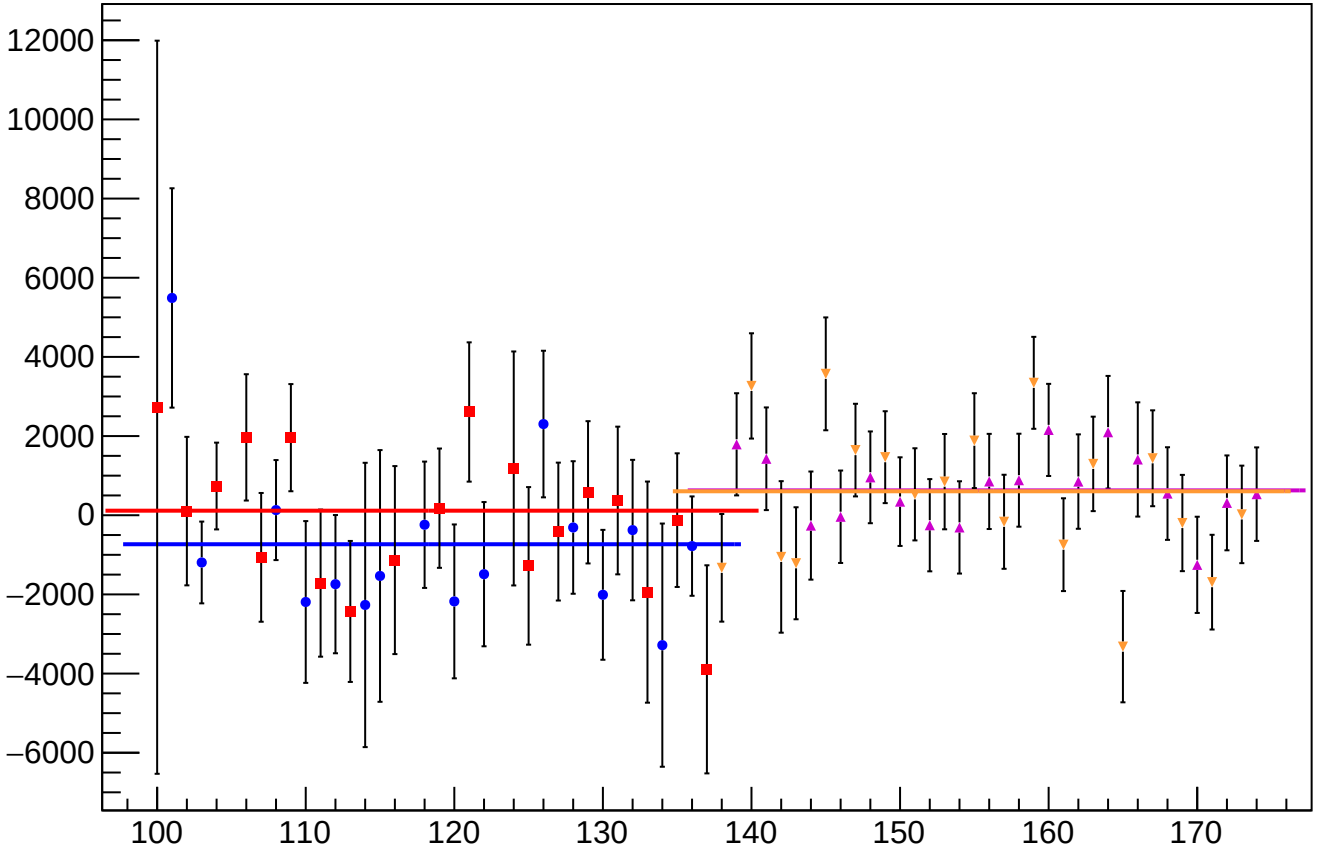
+ sign 0.000+/-0.000 χ^2/NDF: 25.6/34

All: 0.000+/-0.000 χ^2/NDF: 49.6/71

- sign 0.000+/-0.000 χ^2/NDF: 22.2/36


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1808066.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1492755.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 1694726.3/18
Left In: 0.000+/-0.000 χ²/NDF:2478026.1/17
+ sign 0.000+/-0.000 χ²/NDF: 3669378.1/34
All: 0.000+/-0.000 χ²/NDF: 8692046.5/71
- sign 0.000+/-0.000 χ²/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: 605.349+/-287.850 χ^2/NDF:35.5/18

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

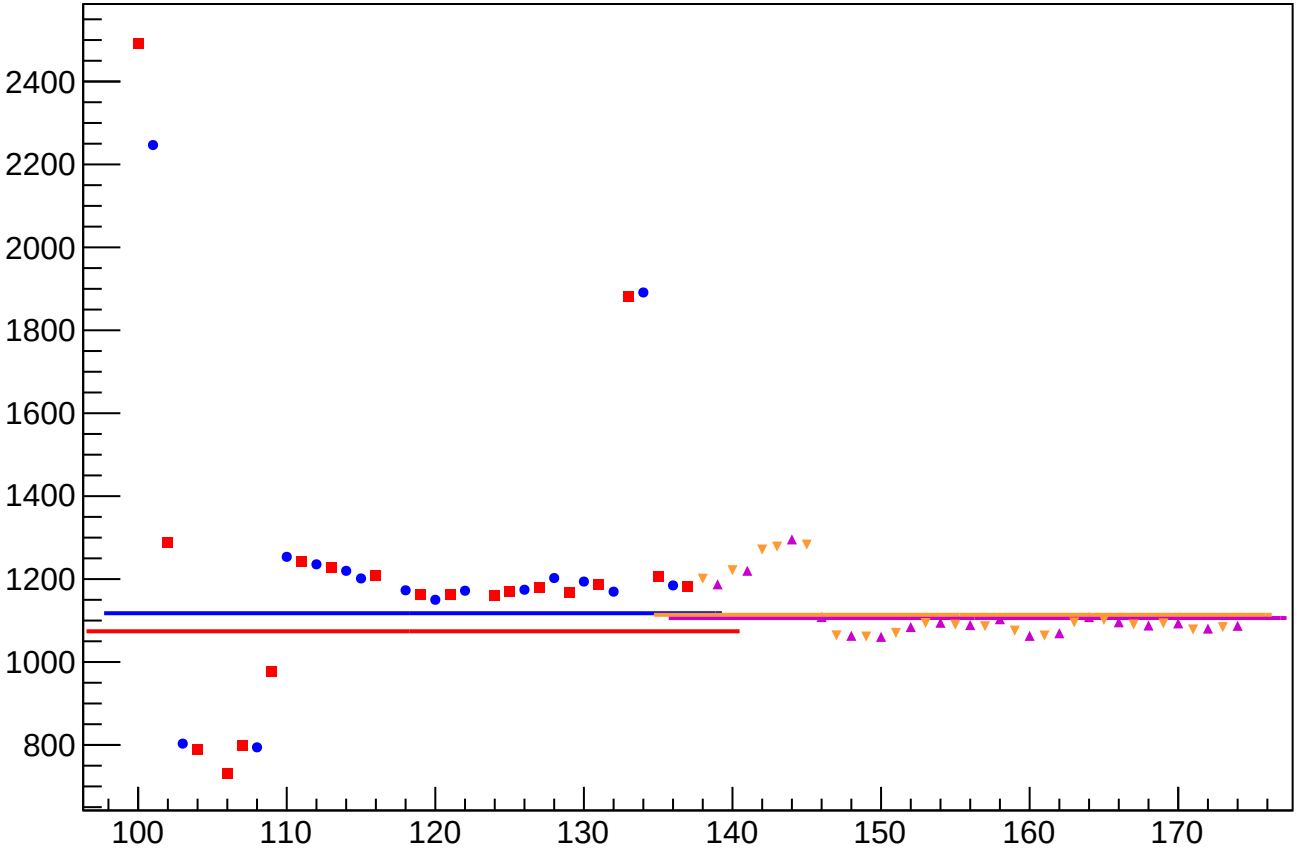
Left In: 627.801+/-287.088 χ^2/NDF:9.0/17

\+ sign 187.778+/-238.748 χ^2/NDF: 54.0/34

All: 325.737+/-167.638 χ^2/NDF: 77.8/71

\- 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: 1113.903+/-0.204 χ^2/NDF:113584.6/18

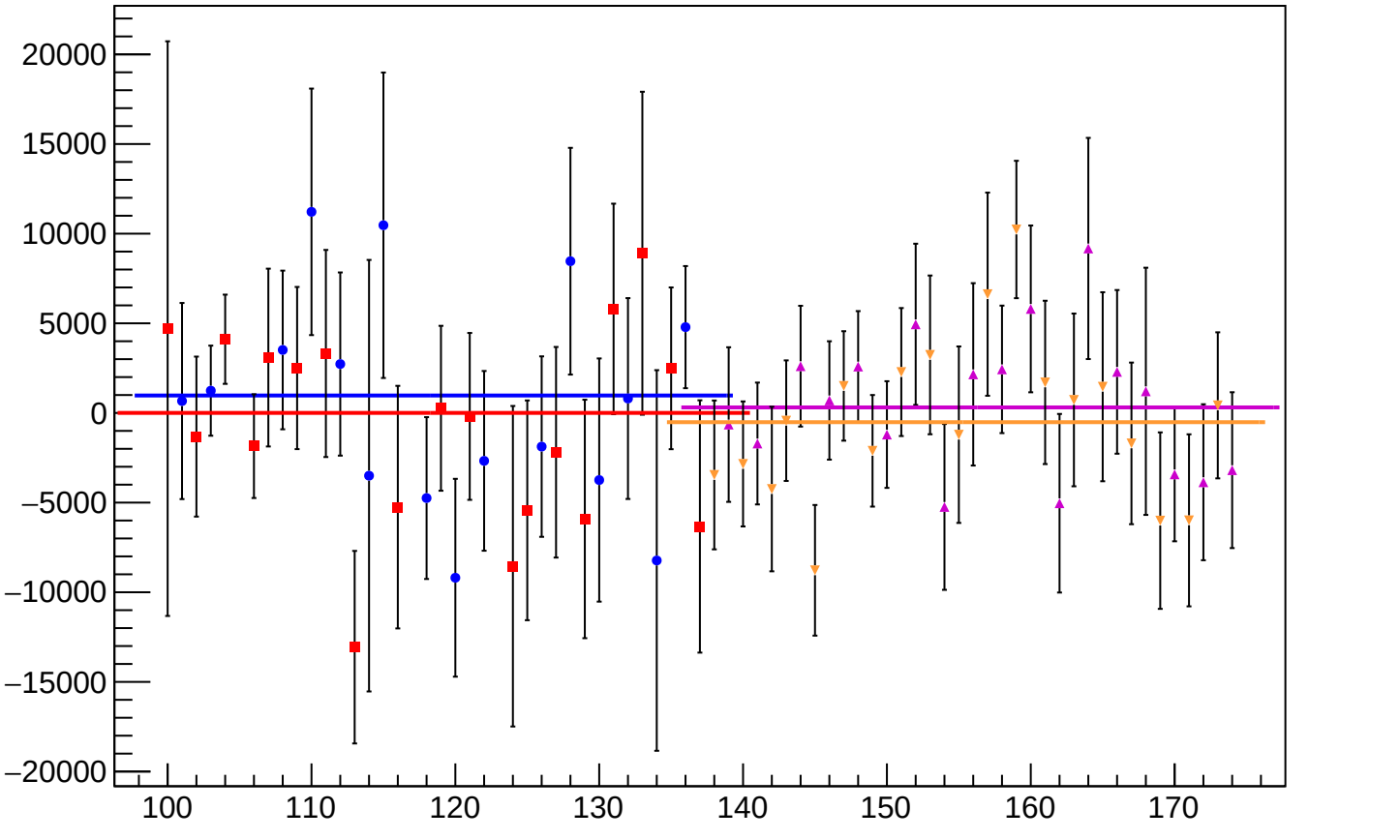
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1106.066+/-0.203 χ^2/NDF:76112.4/17

+ sign 1115.083+/-0.169 χ^2/NDF: 933527.3/34

All: 1105.127+/-0.118 χ^2/NDF: 1674176.1/71

- 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: -514.697+/-930.984 χ^2/NDF:21.4/18

Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

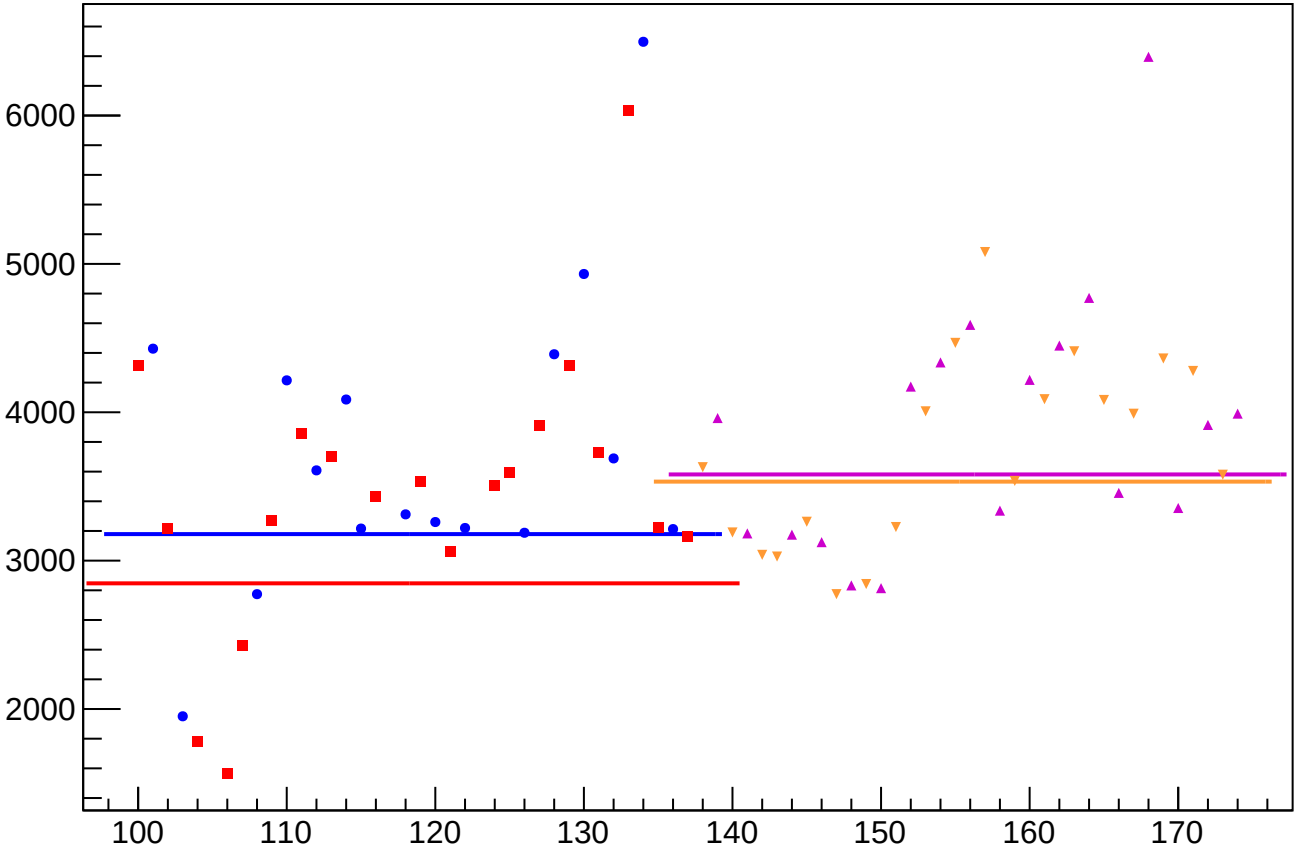
Left In: 309.688+/-948.601 χ^2/NDF:12.1/17

+ sign 25.900+/-742.926 χ^2/NDF: 36.1/34

All: 105.499+/-517.846 χ^2/NDF: 64.8/71

- 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: 3532.600+/-0.658 χ^2/NDF:824753.0/18

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

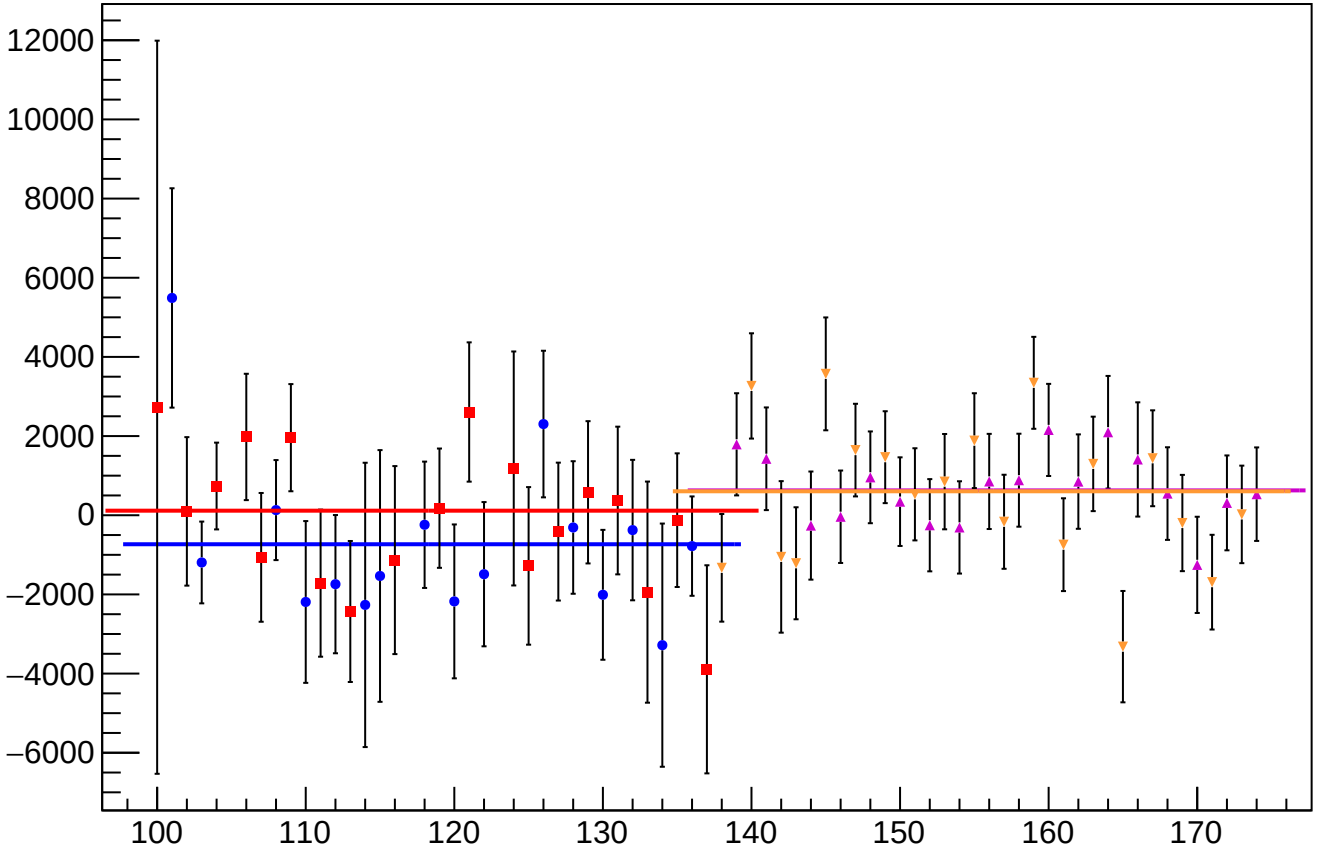
Left In: 3581.026+/-0.671 χ^2/NDF:1080547.4/17

+ sign 3404.128+/-0.525 χ^2/NDF: 2021294.6/34

All: 3336.438+/-0.366 χ^2/NDF: 5148675.4/71

- 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: 605.438+/-287.850 χ^2/NDF:35.5/18

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

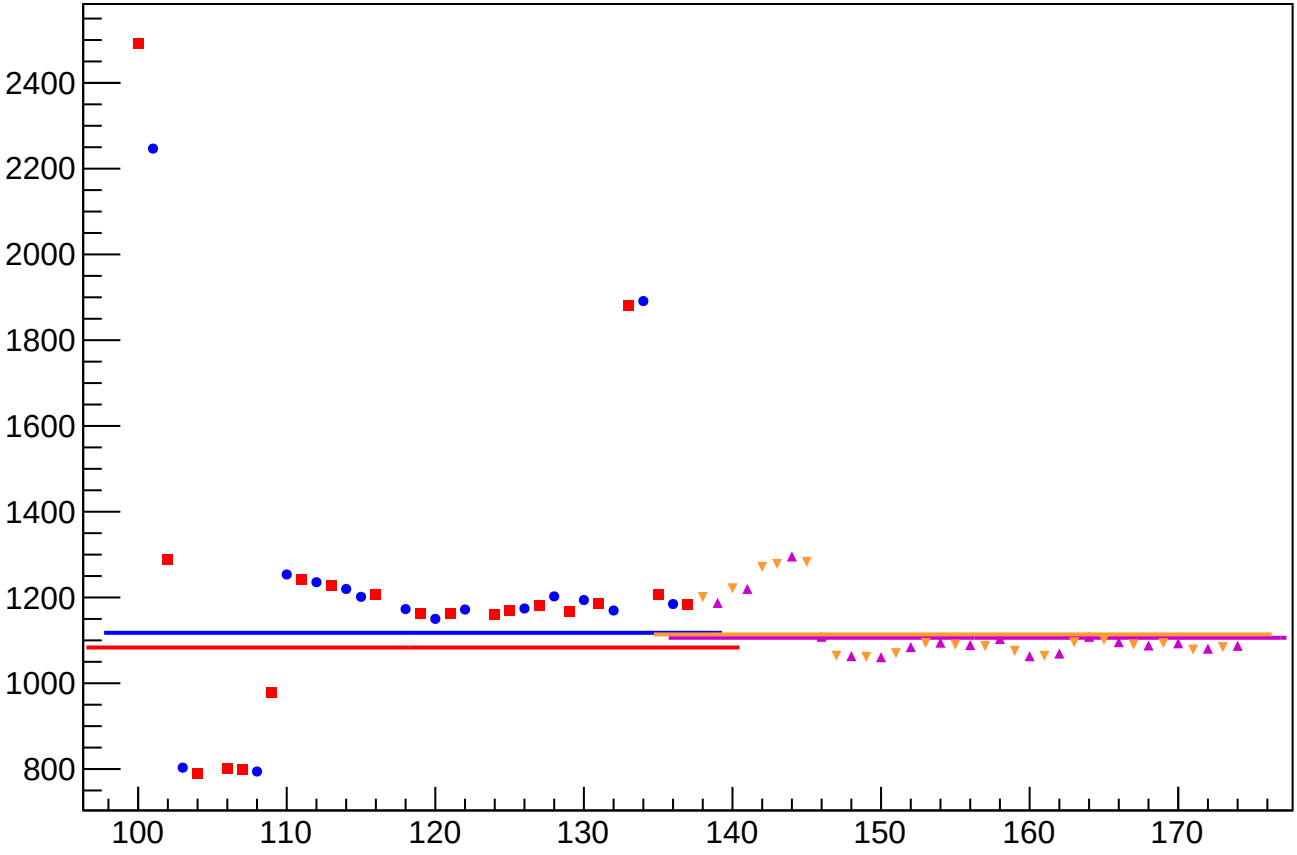
Left In: 627.745+/-287.088 χ^2/NDF:9.0/17

\+ sign 187.859+/-238.748 χ^2/NDF: 54.0/34

All: 325.803+/-167.638 χ^2/NDF: 77.8/71

\- 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: 1113.903+/-0.204 χ^2/NDF:113584.6/18

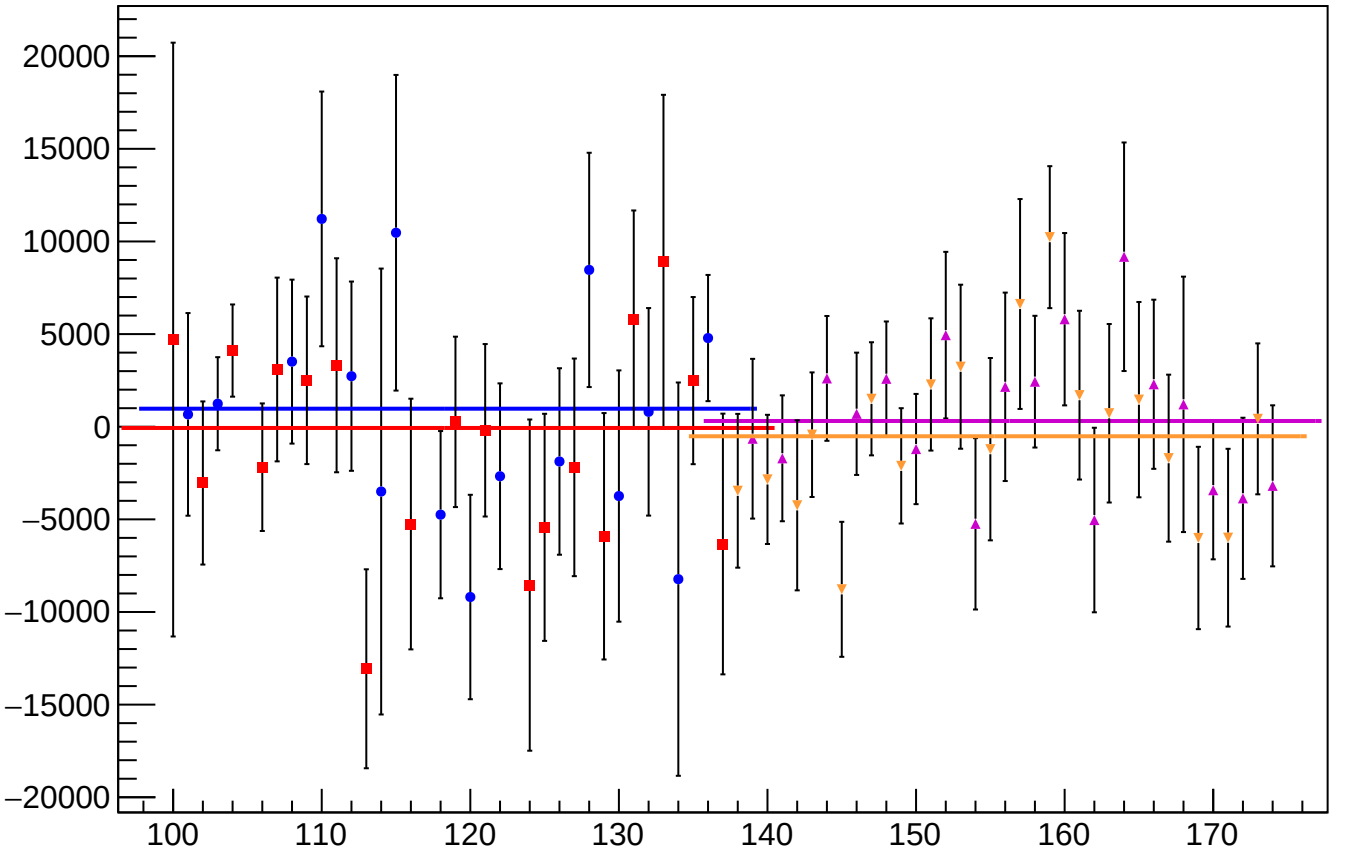
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1106.066+/-0.203 χ^2/NDF:76112.4/17

+ sign 1115.083+/-0.169 χ^2/NDF: 933524.0/34

All: 1106.738+/-0.118 χ^2/NDF: 1613555.4/71

- 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: -514.692+/-930.983 χ^2/NDF:21.4/18

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

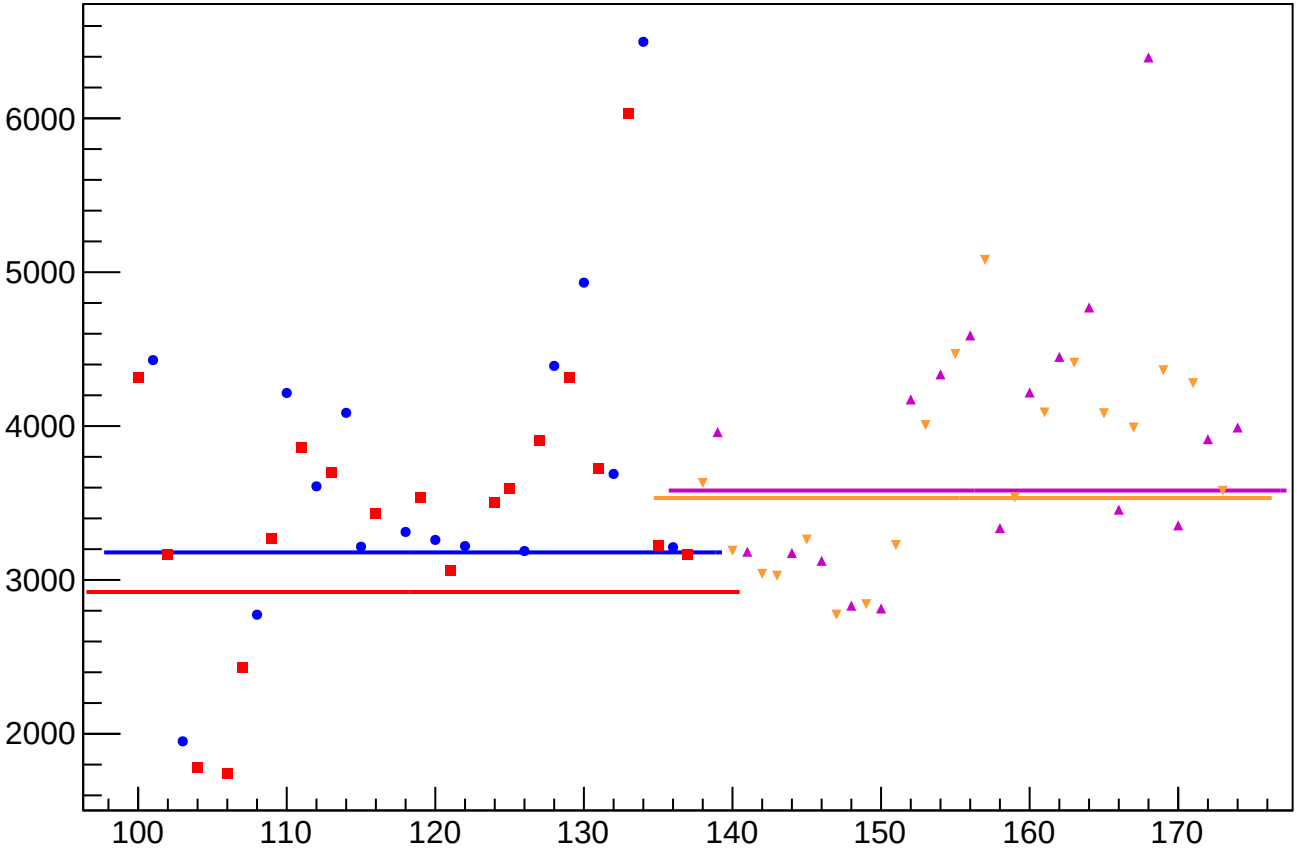
Left In: 309.678+/-948.601 χ^2/NDF:12.1/17

+ sign 25.694+/-742.937 χ^2/NDF: 36.1/34

All: 91.700+/-520.201 χ^2/NDF: 65.2/71

- 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: 3532.596+/-0.658 χ^2/NDF:824755.5/18

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

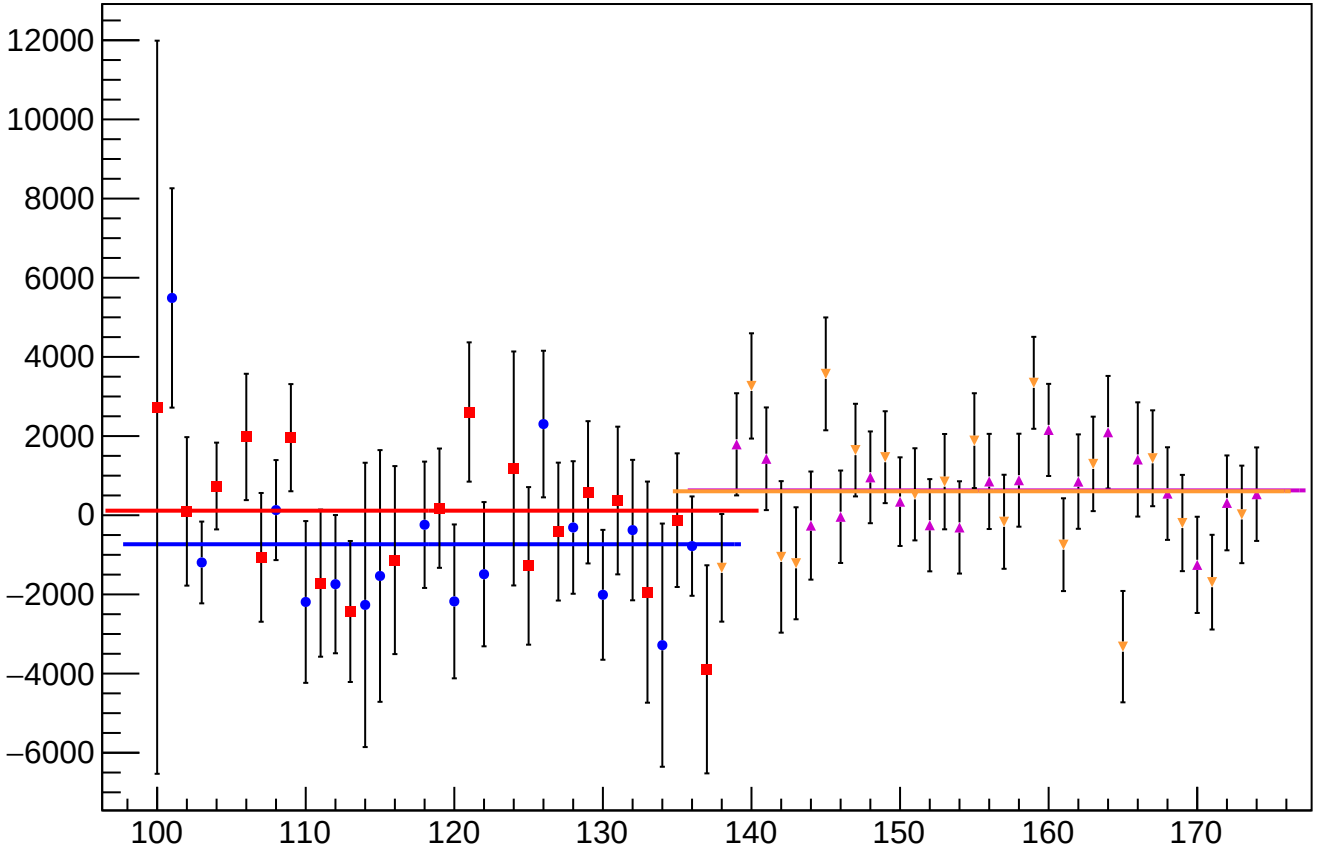
Left In: 3581.024+/-0.671 χ^2/NDF:1080553.0/17

+ sign 3404.199+/-0.525 χ^2/NDF: 2020739.8/34

All: 3356.522+/-0.368 χ^2/NDF: 4826566.2/71

- 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: 605.438+/-287.850 χ^2/NDF:35.5/18

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

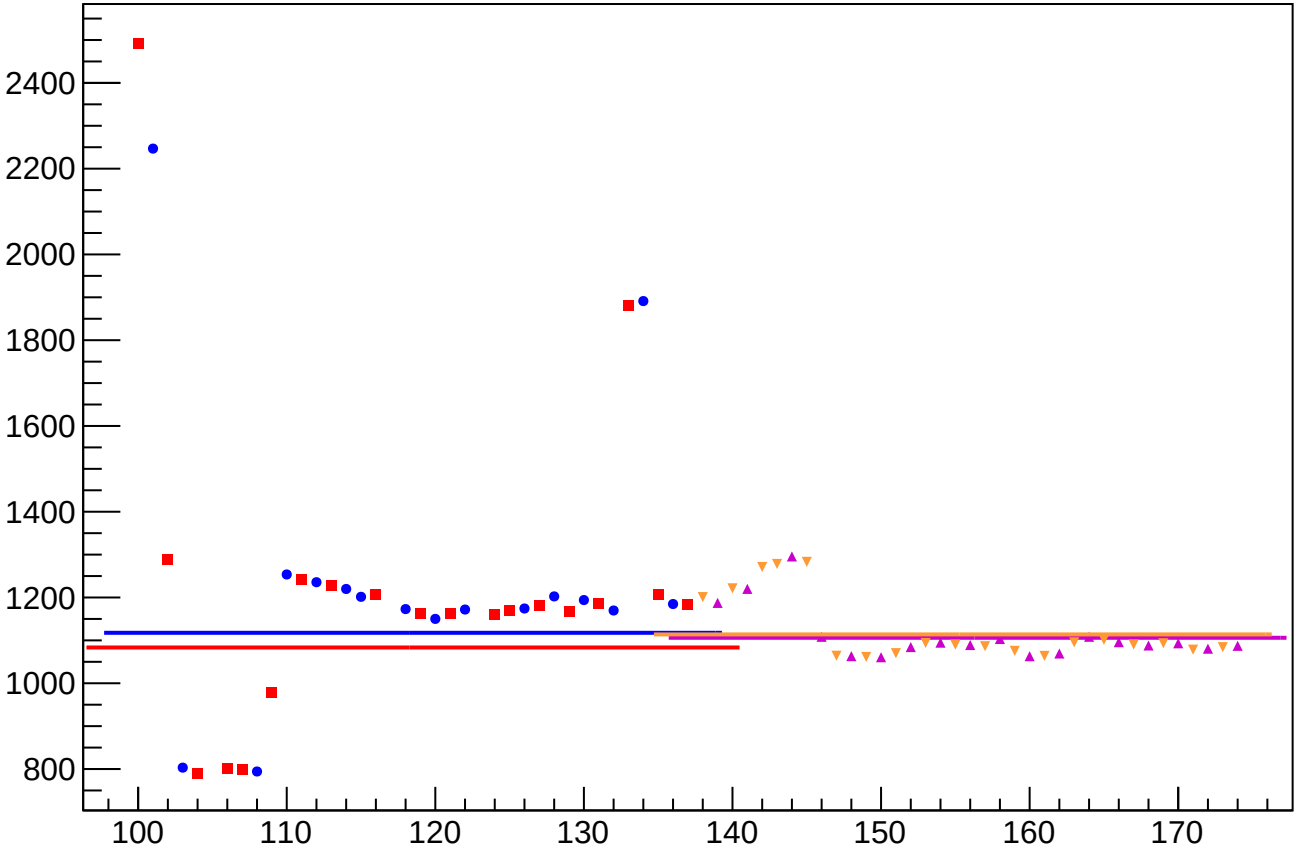
Left In: 627.745+/-287.088 χ^2/NDF:9.0/17

+ sign 187.859+/-238.748 χ^2/NDF: 54.0/34

All: 325.803+/-167.638 χ^2/NDF: 77.8/71

- 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: 1113.903+/-0.204 χ^2/NDF:113584.6/18

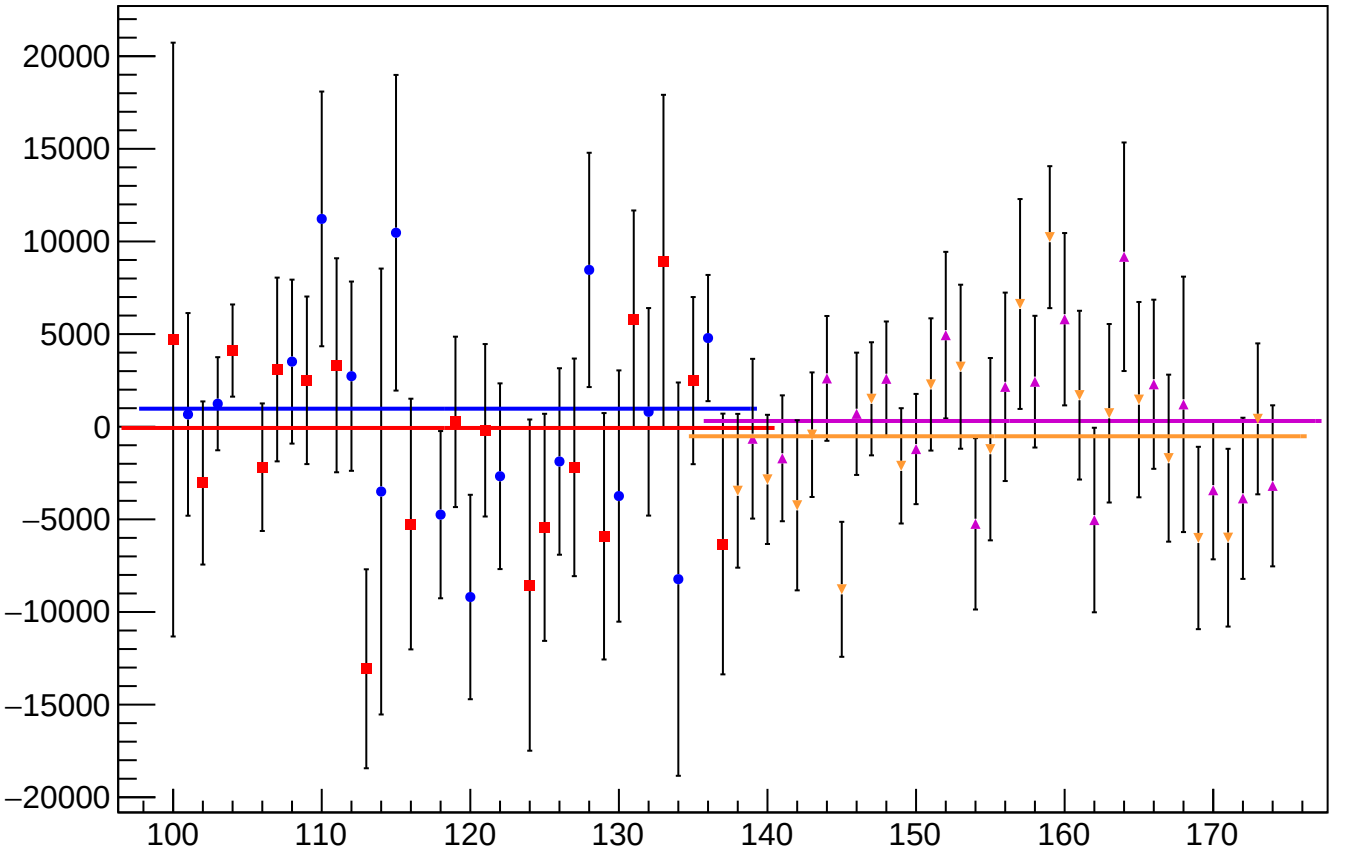
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1106.066+/-0.203 χ^2/NDF:76112.4/17

+ sign 1115.083+/-0.169 χ^2/NDF: 933524.0/34

All: 1106.738+/-0.118 χ^2/NDF: 1613555.4/71

- 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: -514.692+/-930.983 χ^2/NDF:21.4/18

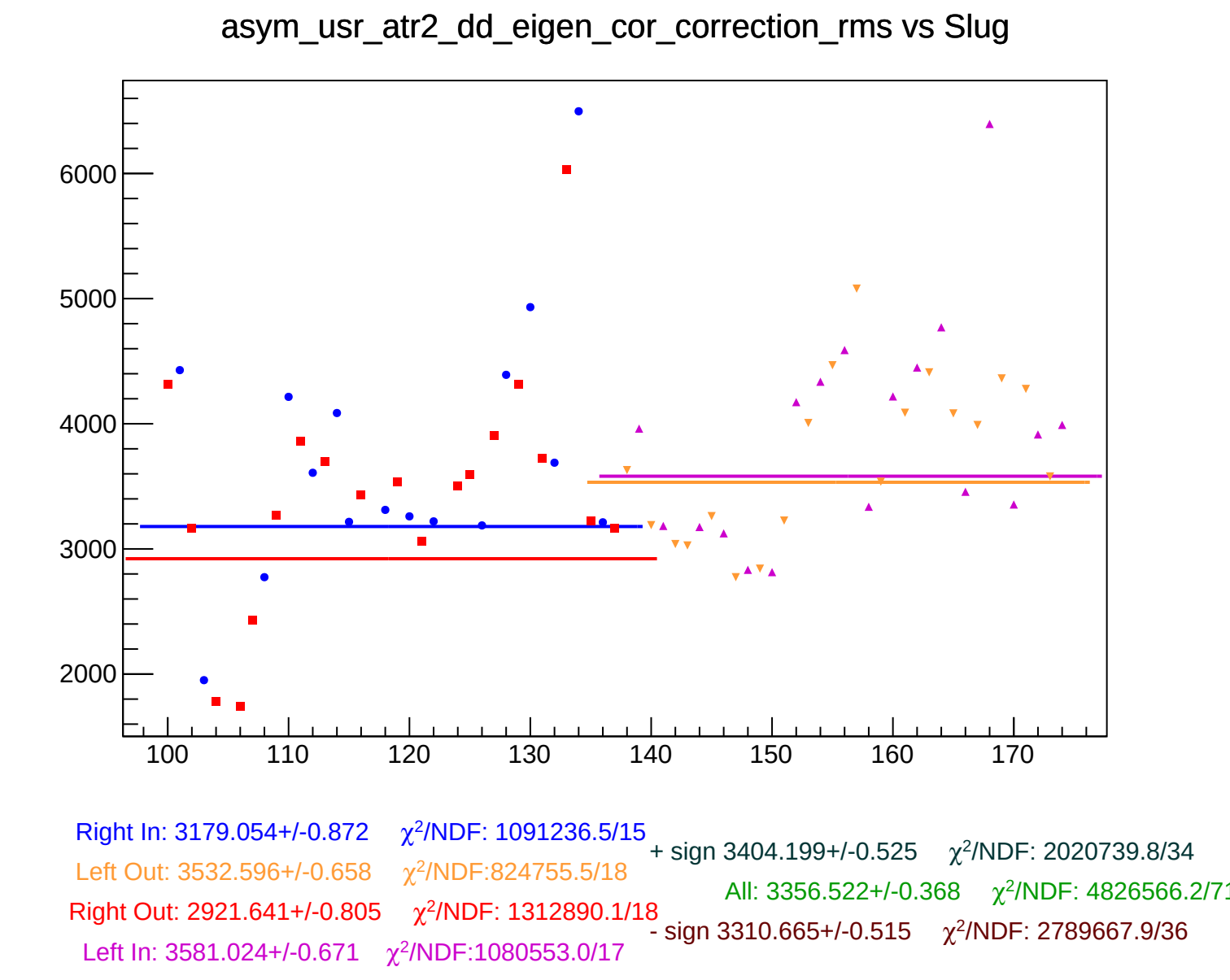
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 309.678+/-948.601 χ^2/NDF:12.1/17

+ sign 25.694+/-742.937 χ^2/NDF: 36.1/34

All: 91.700+/-520.201 χ^2/NDF: 65.2/71

- sign 155.187+/-728.623 χ^2/NDF: 29.1/36


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug
6000
5000
4000
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2000
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130
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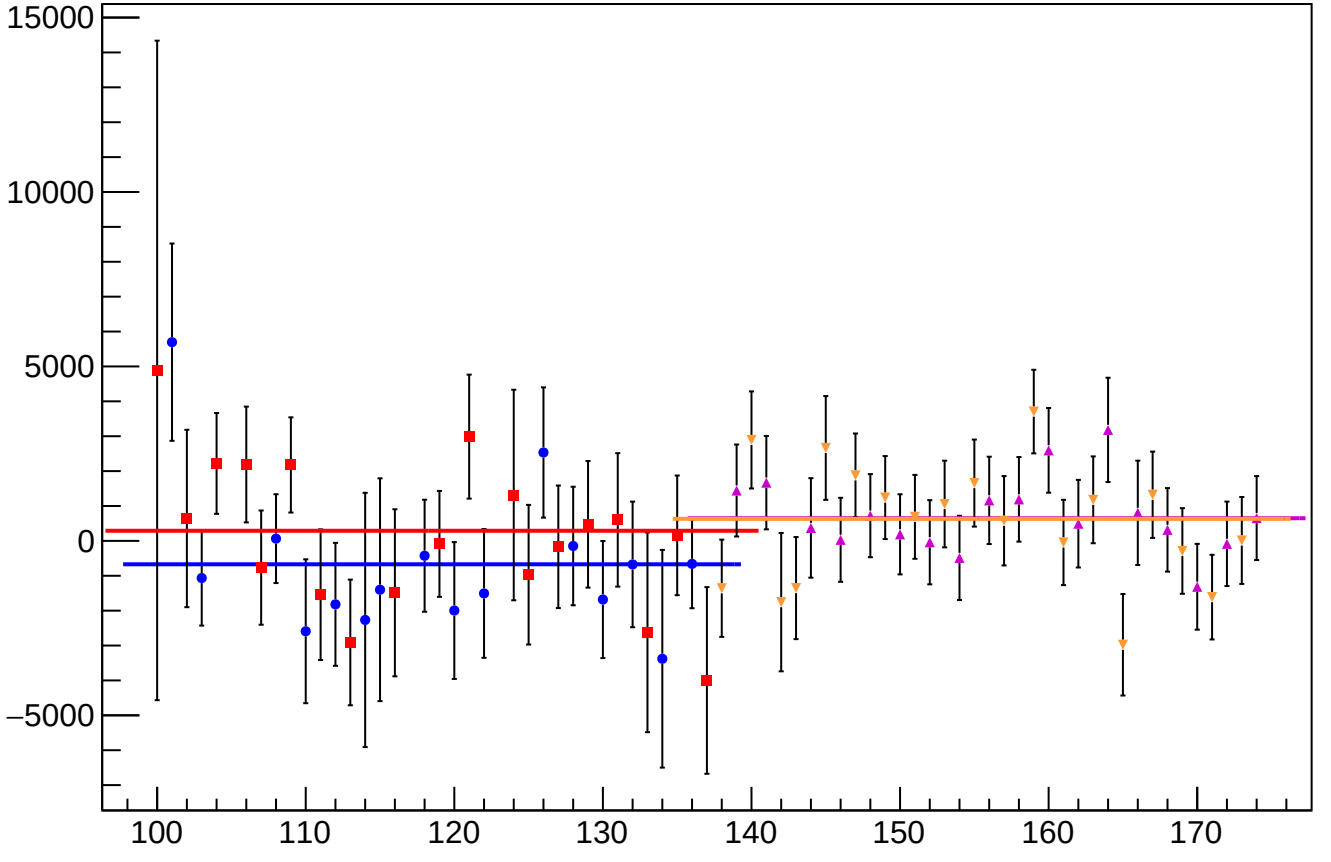
150
160
170
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3532.596+/-0.658 χ²/NDF:824755.5/18
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3581.024+/-0.671 χ²/NDF:1080553.0/17
+ sign 3404.199+/-0.525 χ²/NDF: 2020739.8/34
All: 3356.522+/-0.368 χ²/NDF: 4826566.2/71
- sign 3310.665+/-0.515 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: 633.271+/-297.138 χ^2/NDF:29.8/18

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

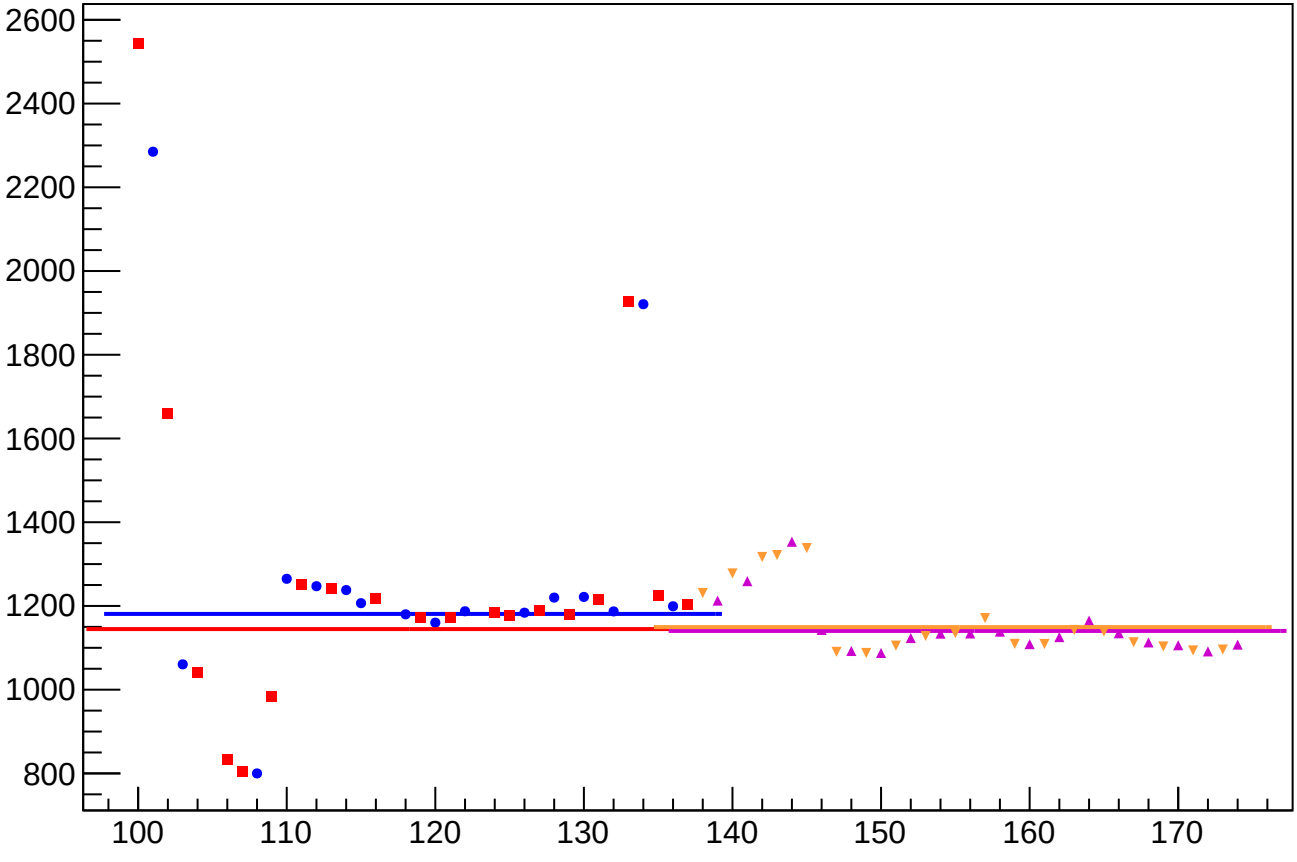
Left In: 649.323+/-296.044 χ^2/NDF:11.5/17

+ sign 235.475+/-247.707 χ^2/NDF: 47.5/34

All: 387.342+/-174.061 χ^2/NDF: 77.1/71

- 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: 1149.450+/-0.210 χ^2/NDF:129452.1/18

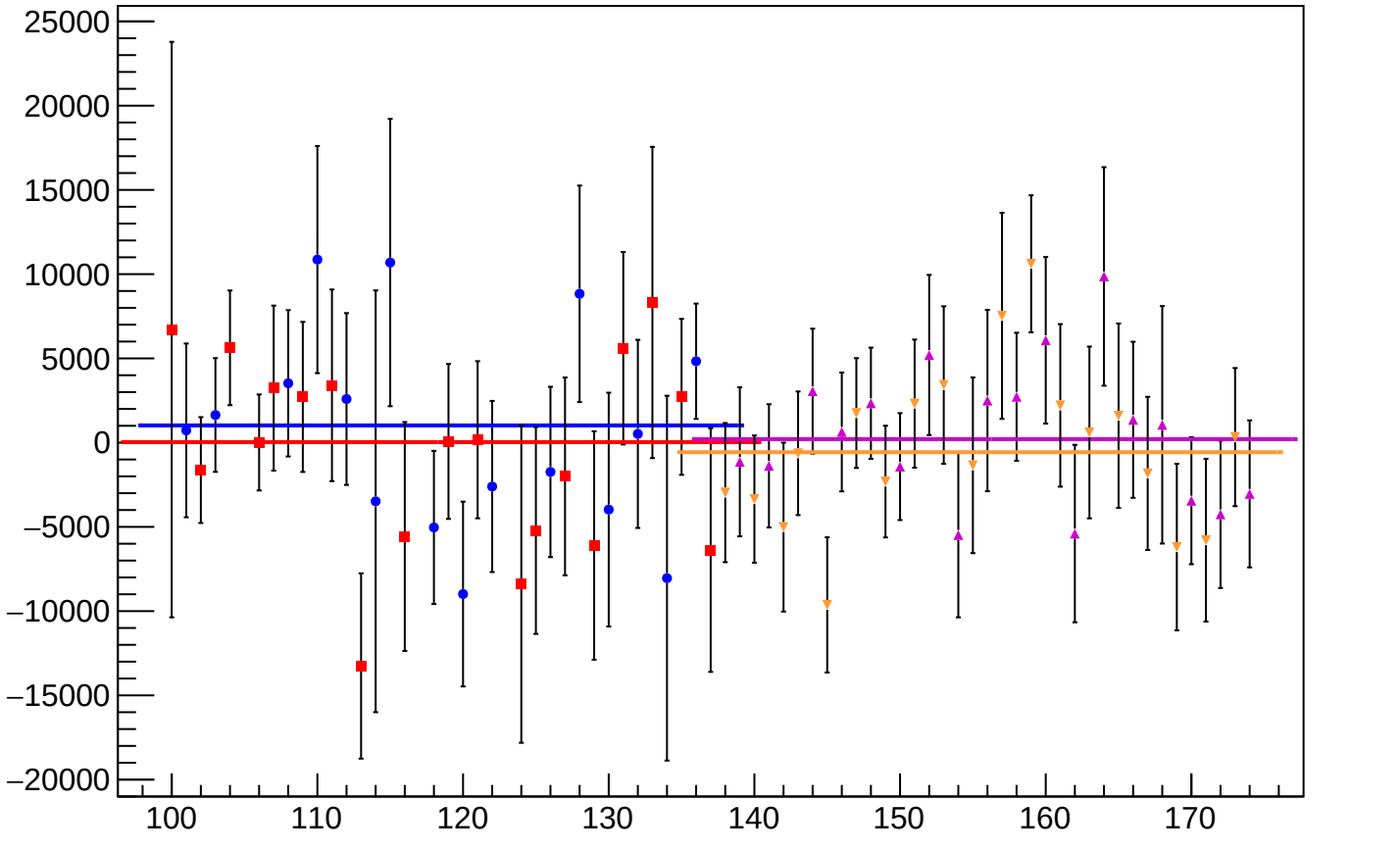
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1140.339+/-0.209 χ^2/NDF:83889.2/17

+ sign 1159.060+/-0.175 χ^2/NDF: 758189.5/34

All: 1150.294+/-0.123 χ^2/NDF: 1344898.5/71

- sign 1141.747+/-0.173 χ^2/NDF: 581762.4/36



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -566.647+/-982.740 χ^2/NDF:21.3/18

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

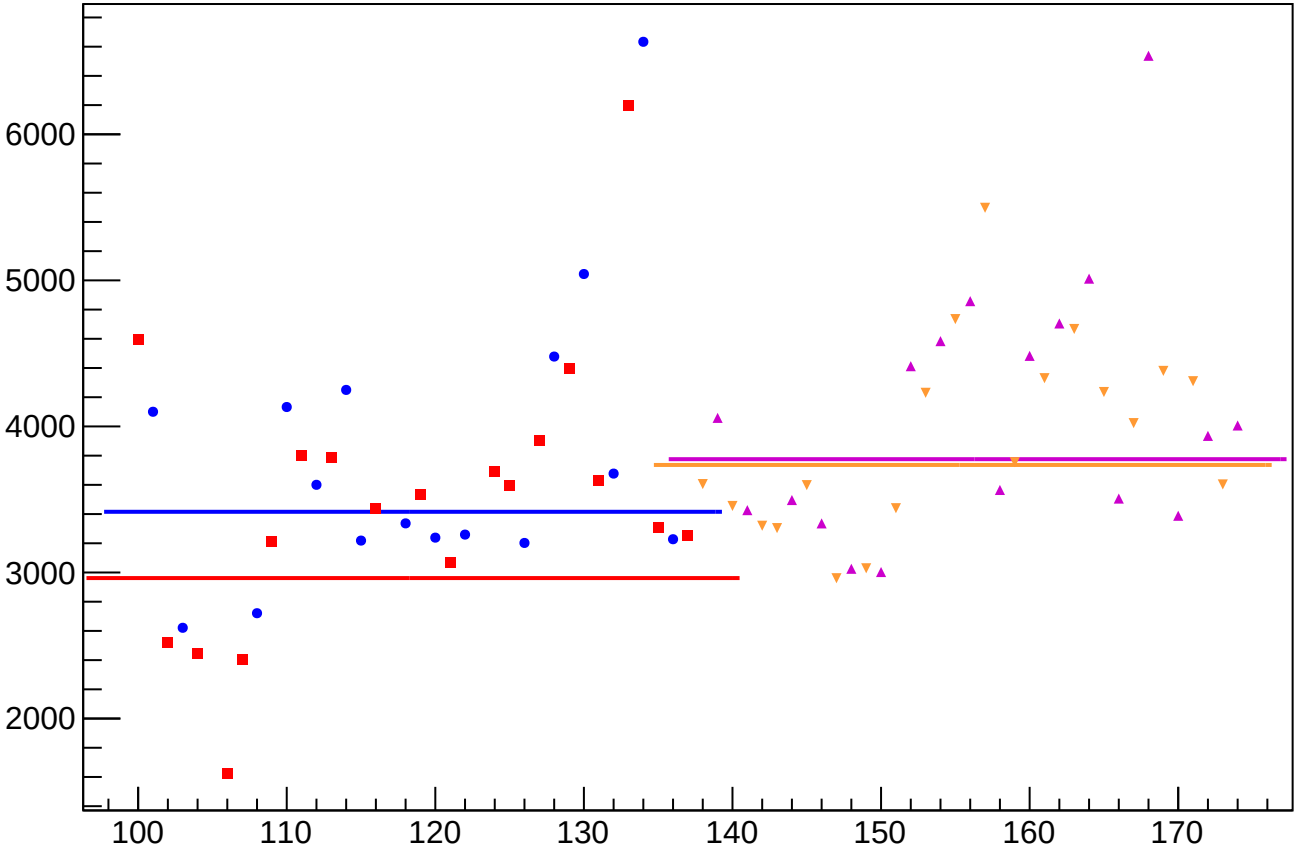
Left In: 208.414+/-998.732 χ^2/NDF:12.0/17

+ sign 9.349+/-784.478 χ^2/NDF: 36.1/34

All: 72.649+/-541.562 χ^2/NDF: 64.3/71

- 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: 3736.224+/-0.695 χ^2/NDF:720919.0/18

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

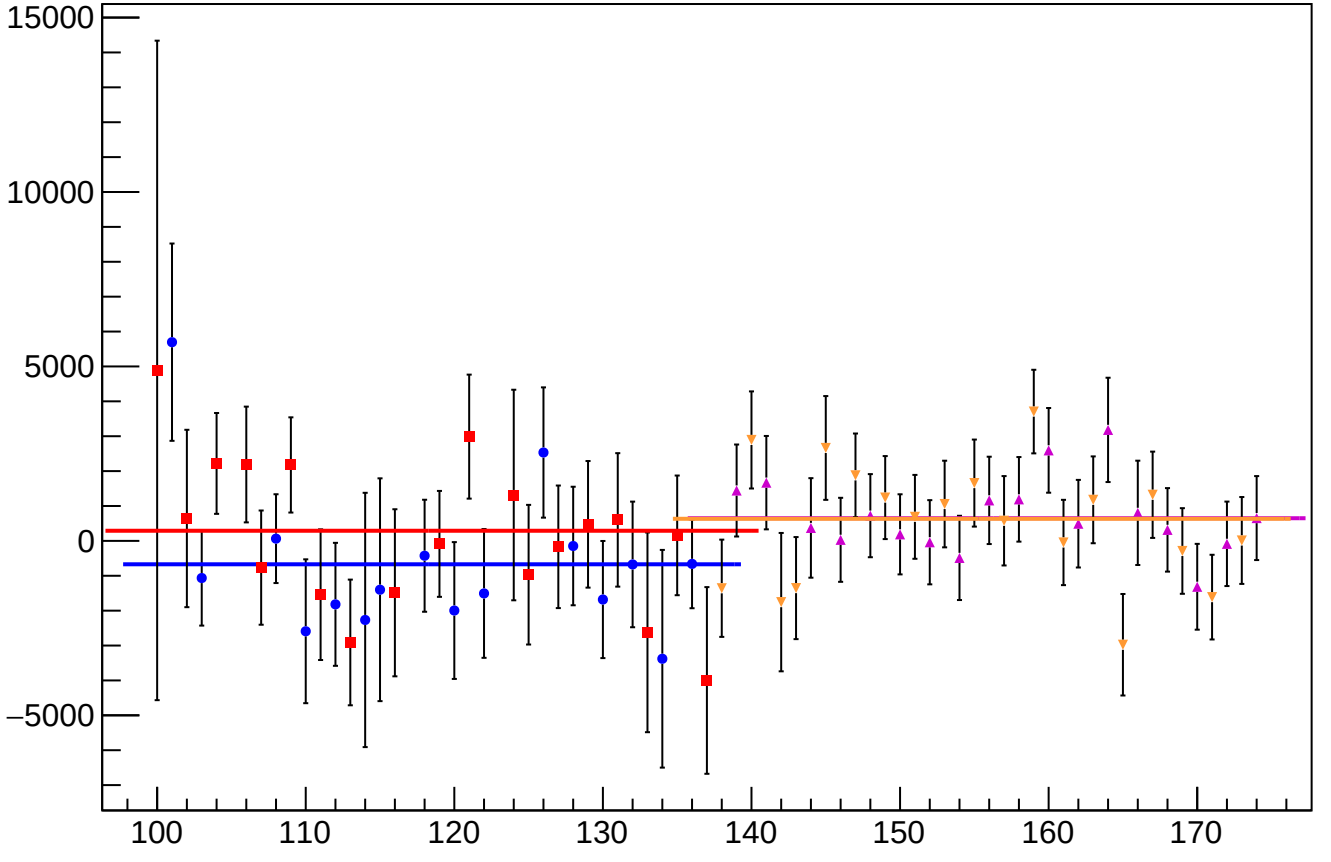
Left In: 3775.826+/-0.706 χ^2/NDF:987220.5/17

\+ sign 3619.904+/-0.555 χ^2/NDF: 1390497.4/34

All: 3514.790+/-0.383 χ^2/NDF: 4197852.9/71

\- 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: 633.276+/-297.138 χ^2/NDF:29.8/18

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

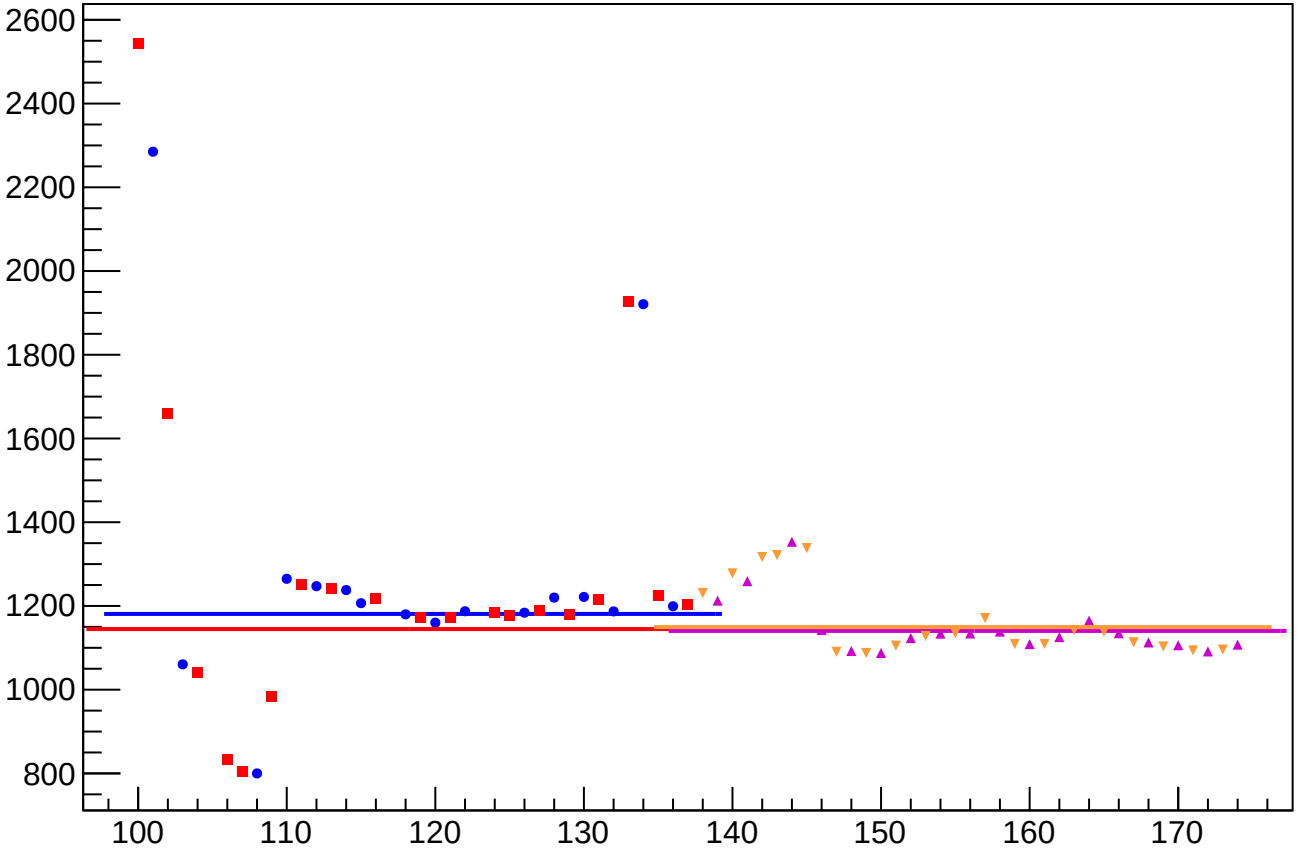
Left In: 649.323+/-296.045 χ^2/NDF:11.5/17

+ sign 235.477+/-247.707 χ^2/NDF: 47.5/34

All: 387.344+/-174.061 χ^2/NDF: 77.1/71

- 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: 1149.450+/-0.210 χ^2/NDF:129452.2/18

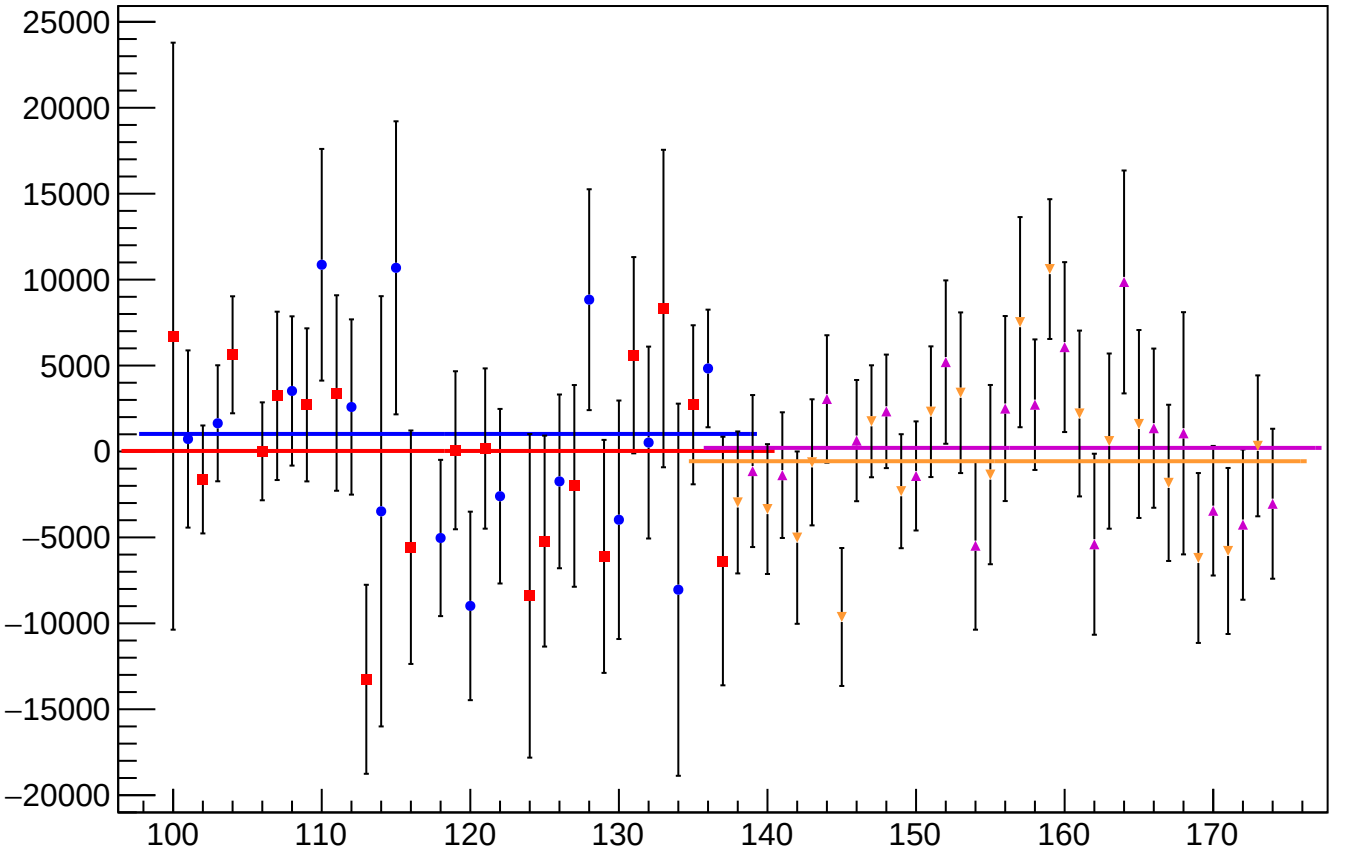
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1140.340+/-0.209 χ^2/NDF:83888.9/17

+ sign 1159.061+/-0.175 χ^2/NDF: 758189.5/34

All: 1150.295+/-0.123 χ^2/NDF: 1344897.7/71

- 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: -566.646+/-982.741 χ^2/NDF:21.3/18

Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

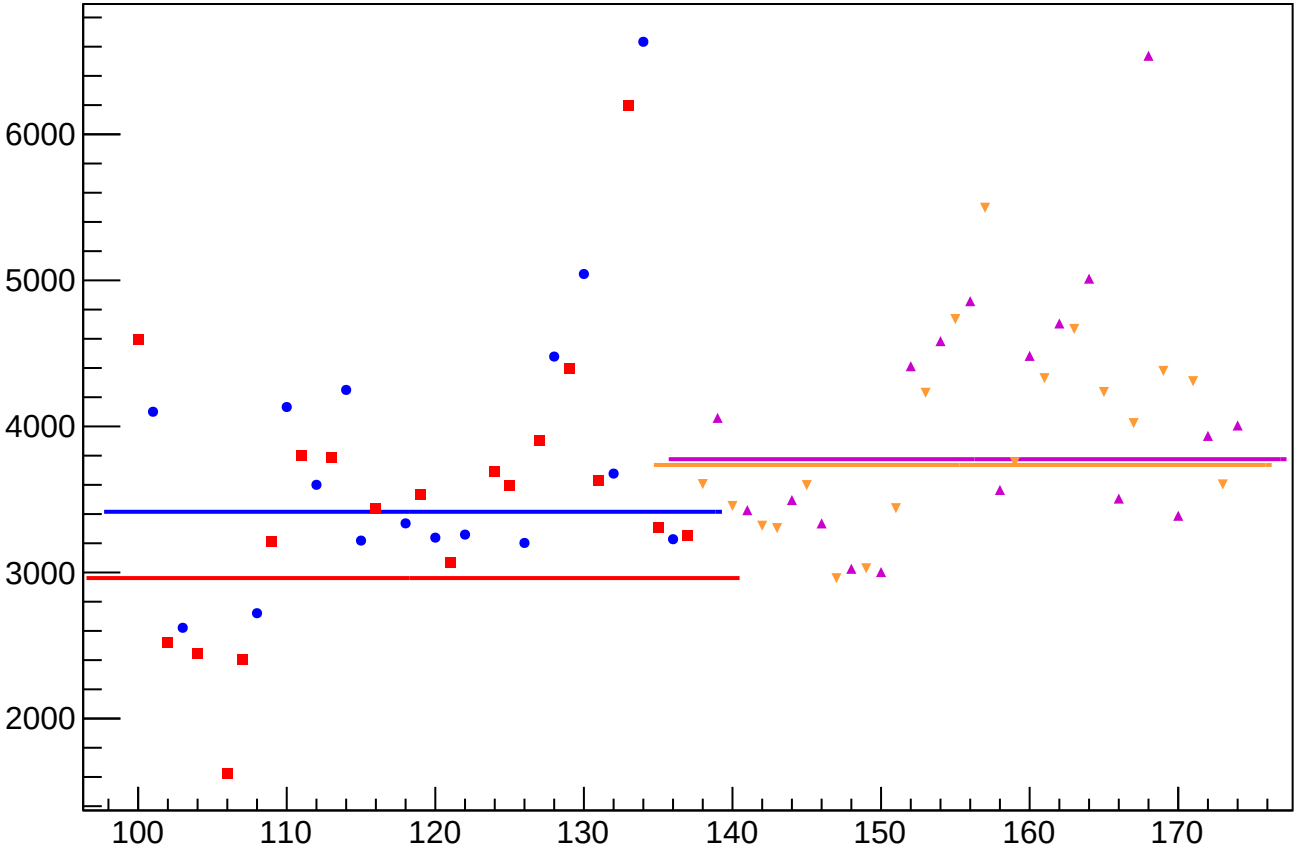
Left In: 208.411+/-998.733 χ^2/NDF:12.0/17

+ sign 9.344+/-784.479 χ^2/NDF: 36.1/34

All: 72.647+/-541.562 χ^2/NDF: 64.3/71

- sign 130.285+/-748.552 χ^2/NDF: 28.2/36

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3736.229+/-0.695 χ^2/NDF:720918.0/18

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

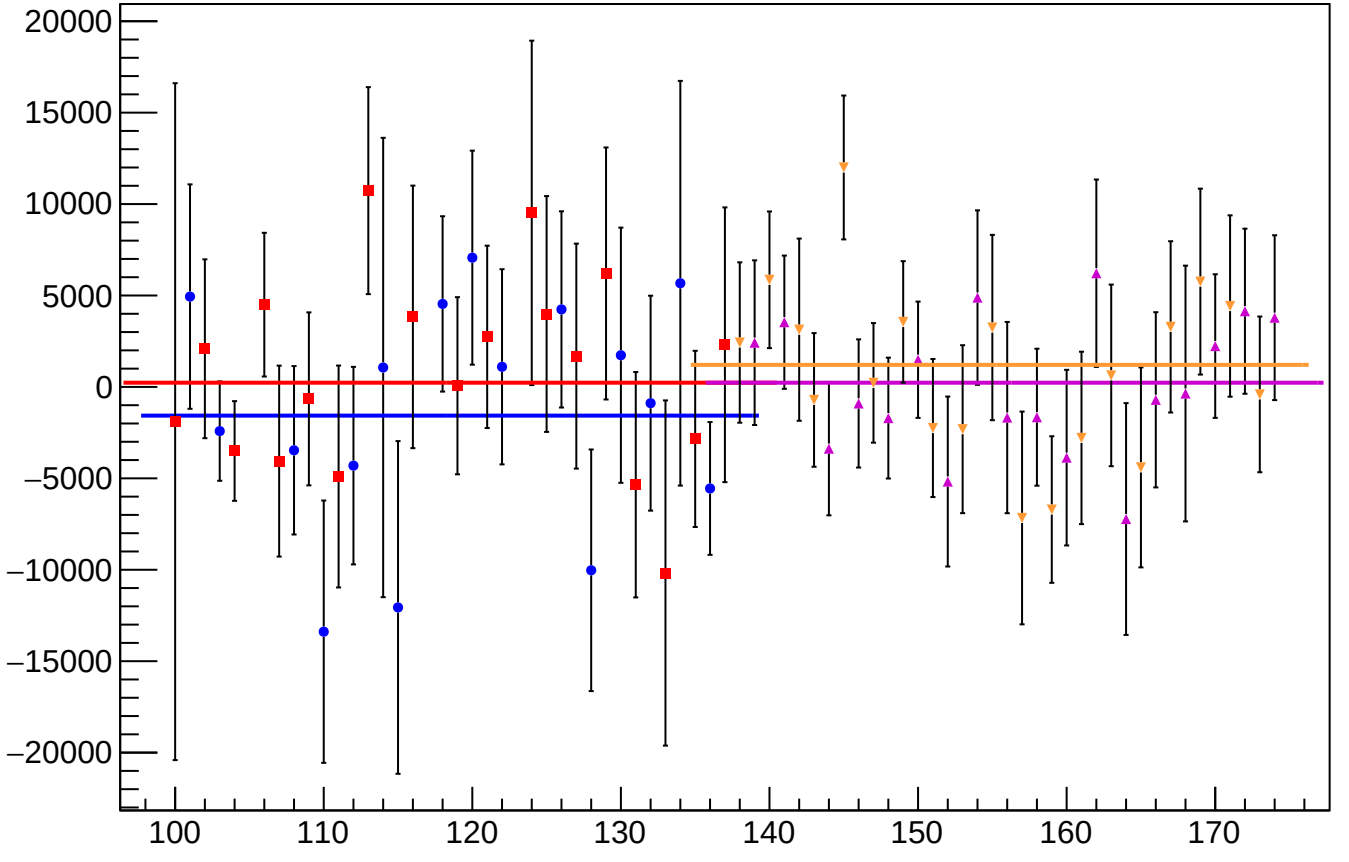
Left In: 3775.831+/-0.706 χ^2/NDF:987221.0/17

+ sign 3619.905+/-0.555 χ^2/NDF: 1390495.7/34

All: 3514.790+/-0.383 χ^2/NDF: 4197867.0/71

- 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: 1207.397+/-983.018 χ^2/NDF:21.1/18

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

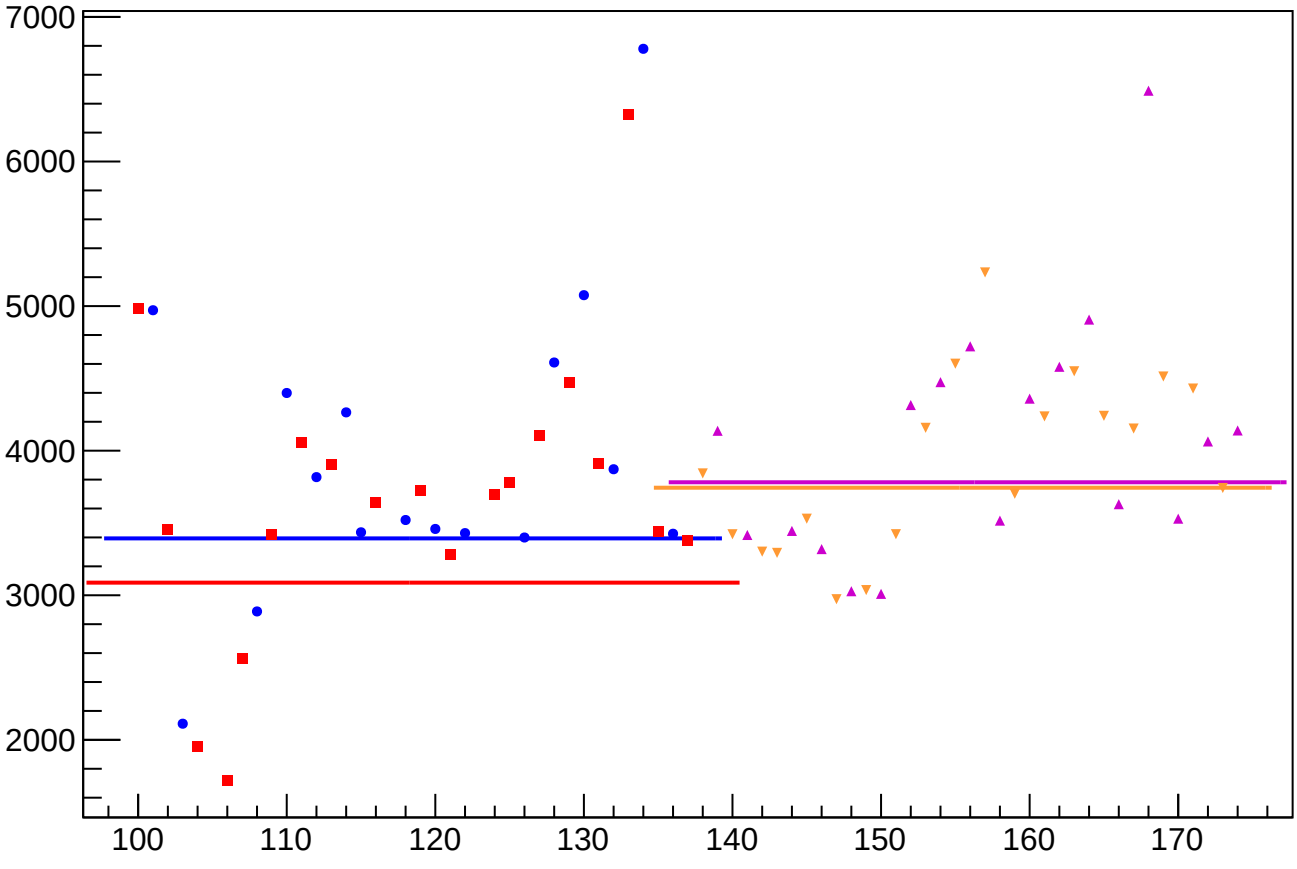
Left In: 230.062+/-998.407 χ^2/NDF:10.5/17

\+ sign 209.794+/-786.899 χ^2/NDF: 38.4/34

All: 220.314+/-551.713 χ^2/NDF: 62.1/71

\- 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: 3743.856+/-0.695 χ^2/NDF:679581.4/18

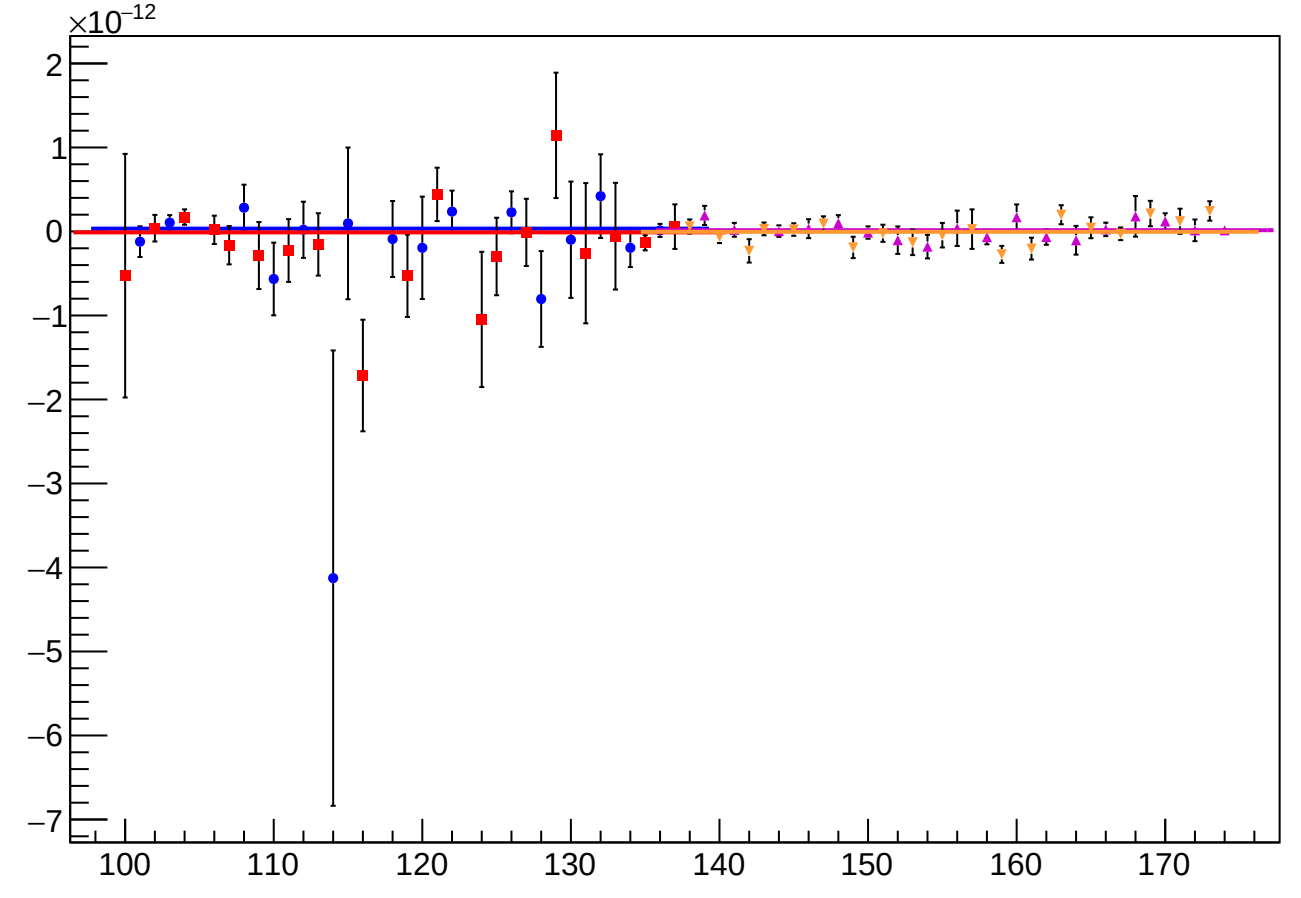
Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3781.511+/-0.706 χ^2/NDF:920464.4/17

+ sign 3617.956+/-0.556 χ^2/NDF: 1819618.7/34

All: 3556.866+/-0.389 χ^2/NDF: 4486040.5/71

- sign 3498.600+/-0.543 χ^2/NDF: 2642871.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.7/18

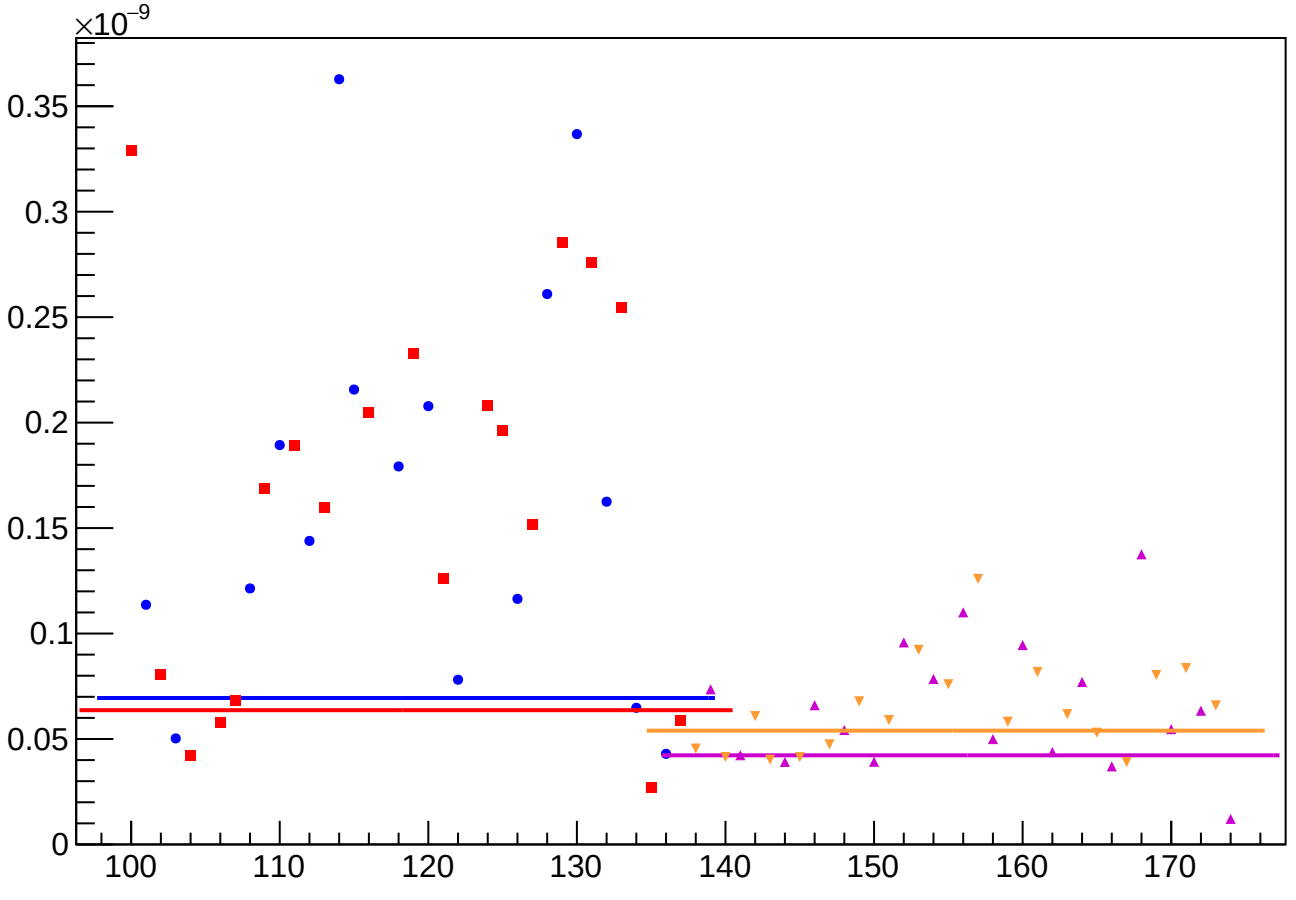
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 41.0/34

All: 0.000+/-0.000 χ^2/NDF: 73.9/71

- 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:950169.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

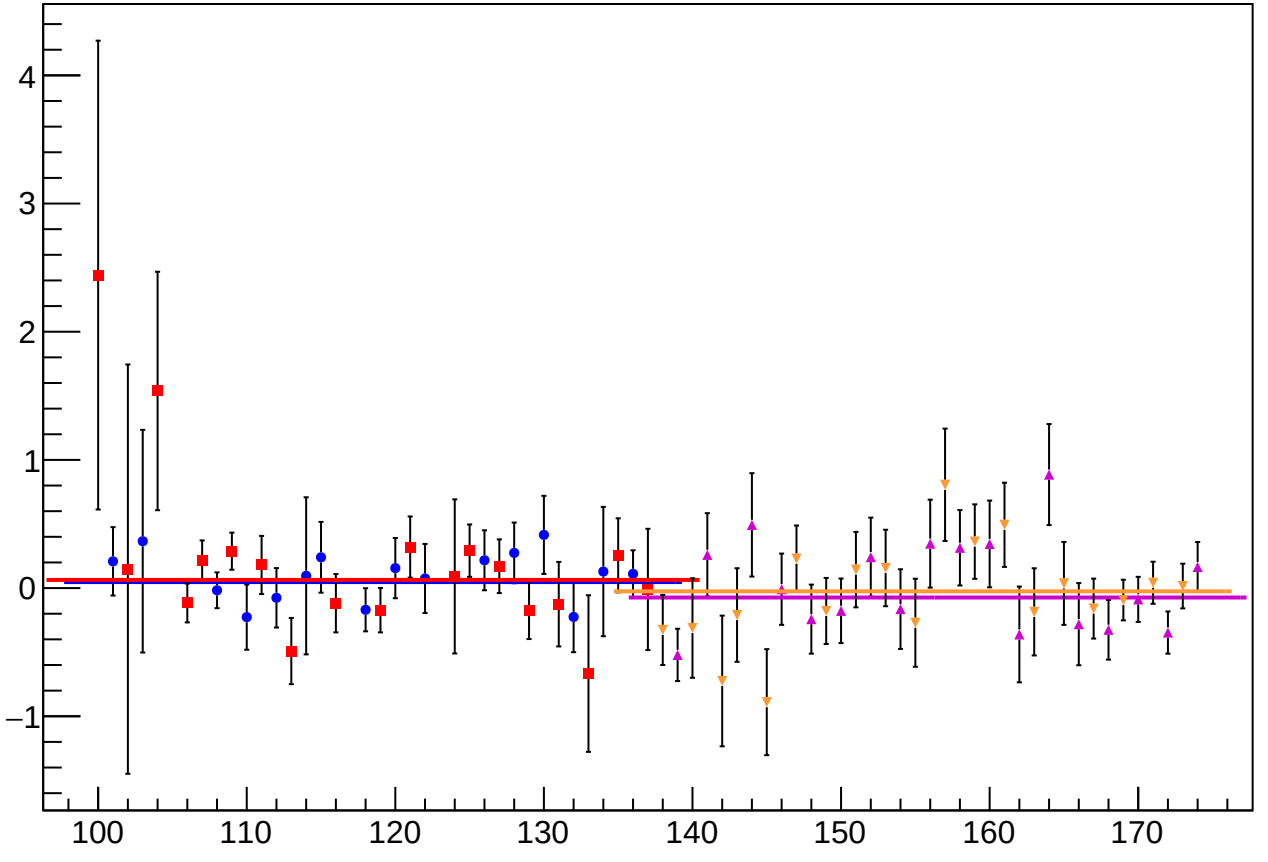
Left In: 0.000+/-0.000 χ^2/NDF:2648280.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 2841584.0/34

All: 0.000+/-0.000 χ^2/NDF: 8356036.6/71

- 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: -0.025+/-0.061 χ^2/NDF:19.7/18

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

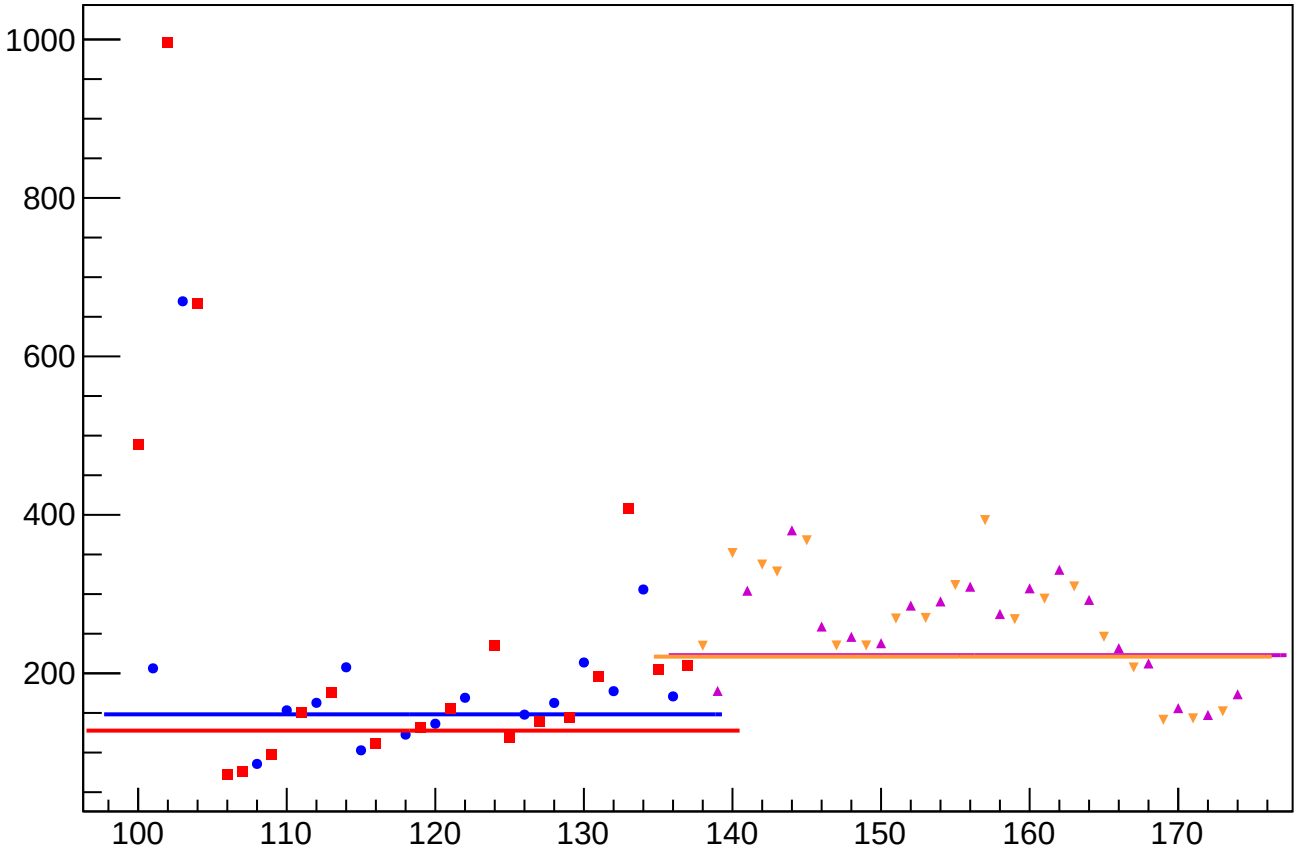
Left In: -0.074+/-0.061 χ^2/NDF:26.7/17

+ sign 0.011+/-0.043 χ^2/NDF: 29.0/34

All: 0.007+/-0.029 χ^2/NDF: 80.7/71

- 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: 221.070+/-0.043 χ^2/NDF:2906136.3/18

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

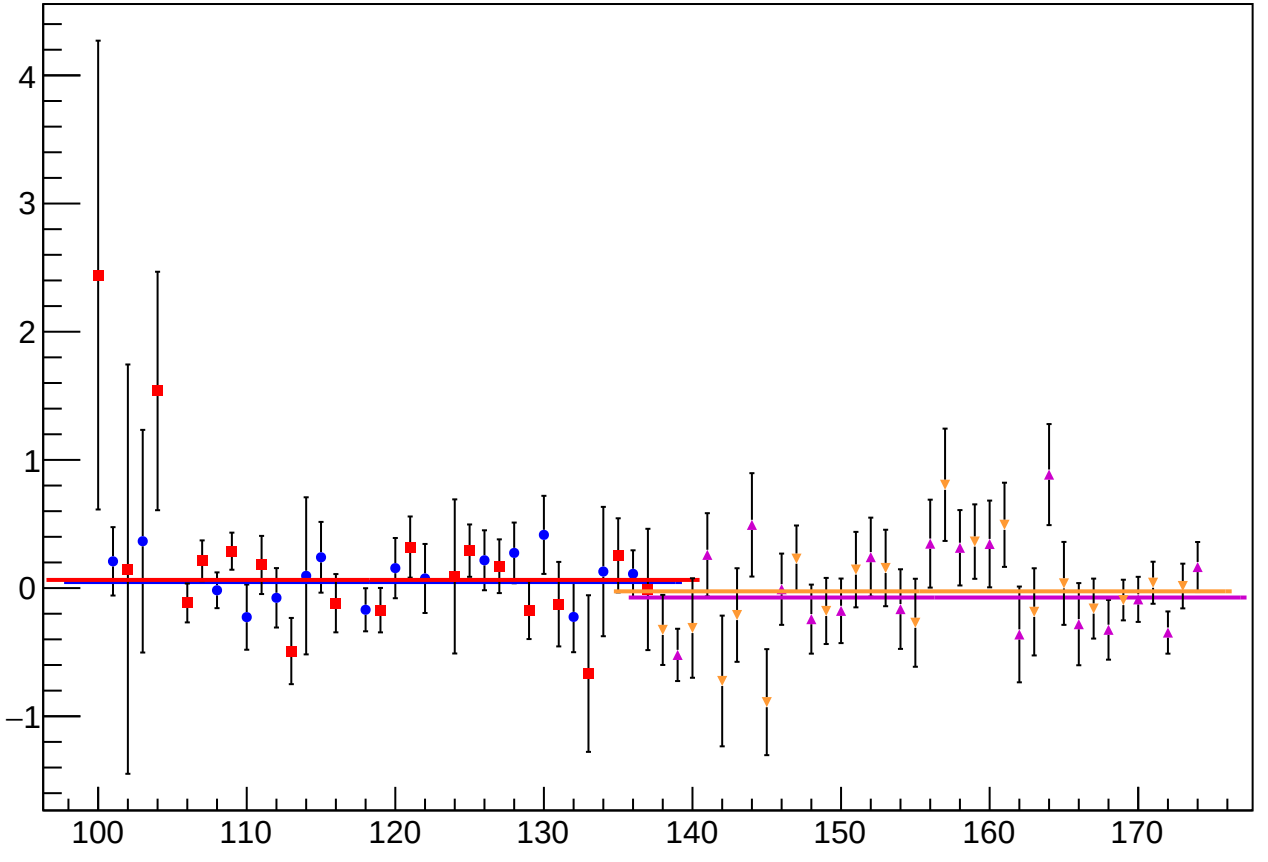
Left In: 222.885+/-0.043 χ^2/NDF:2147664.4/17

+ sign 184.229+/-0.030 χ^2/NDF: 6070924.8/34

All: 176.836+/-0.021 χ^2/NDF: 13878240.7/71

- sign 170.117+/-0.029 χ^2/NDF: 7692833.0/36

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.061 χ^2/NDF:19.7/18

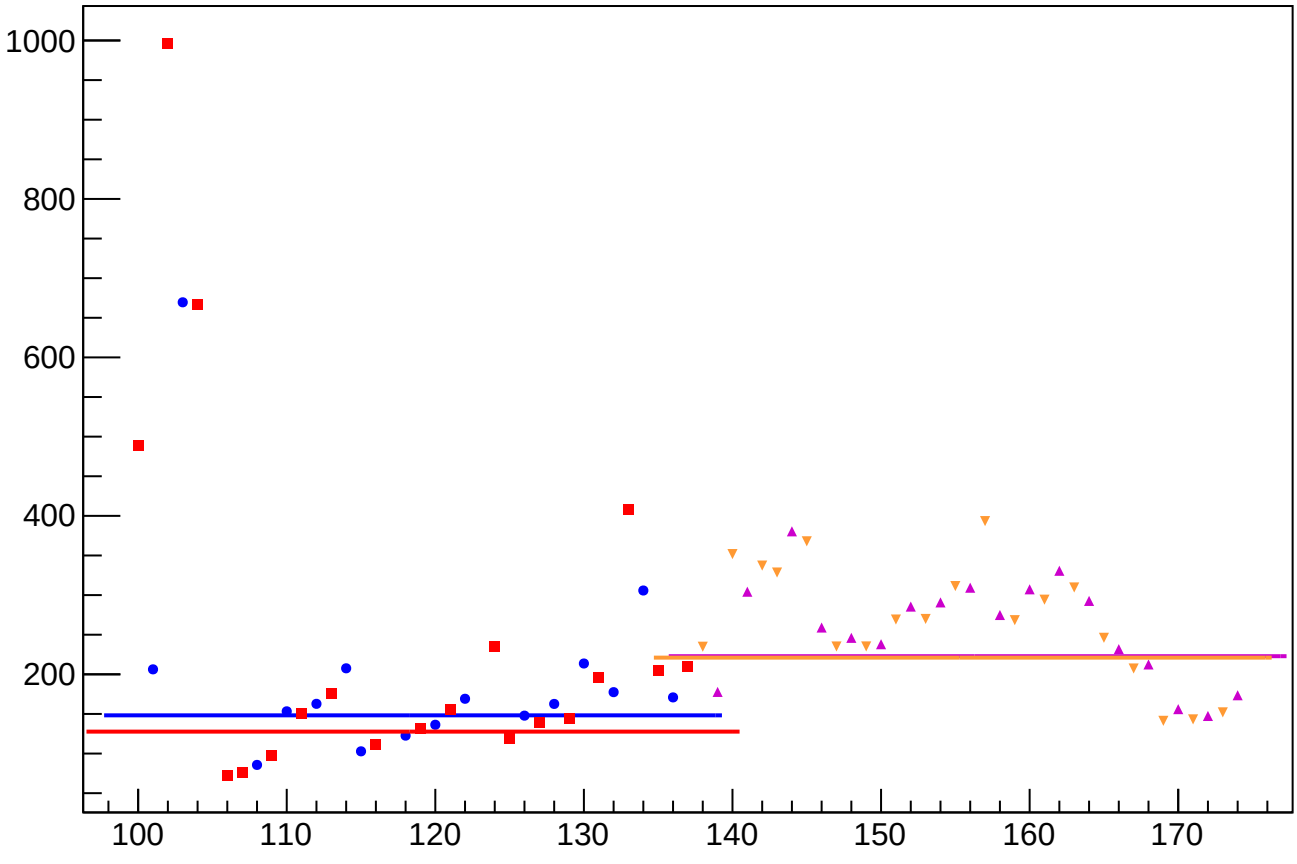
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.074+/-0.061 χ^2/NDF:26.7/17

+ sign 0.011+/-0.043 χ^2/NDF: 29.0/34

All: 0.007+/-0.029 χ^2/NDF: 80.7/71

- sign 0.003+/-0.041 χ^2/NDF: 51.7/36



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 221.070+/-0.043 χ^2/NDF:2906136.3/18

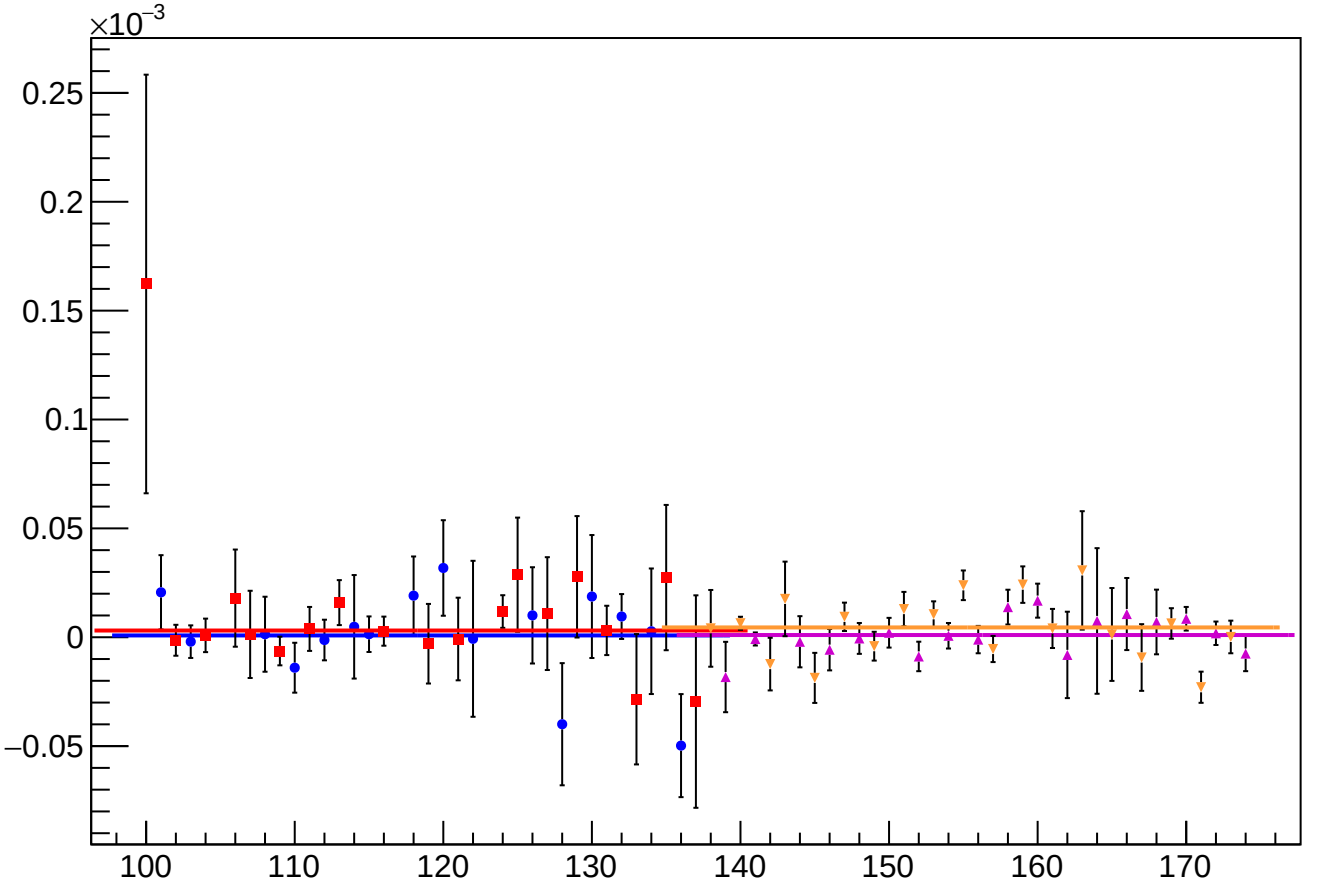
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.885+/-0.043 χ^2/NDF:2147664.4/17

+ sign 184.229+/-0.030 χ^2/NDF: 6070924.8/34

All: 176.836+/-0.021 χ^2/NDF: 13878240.7/71

- 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:44.7/18

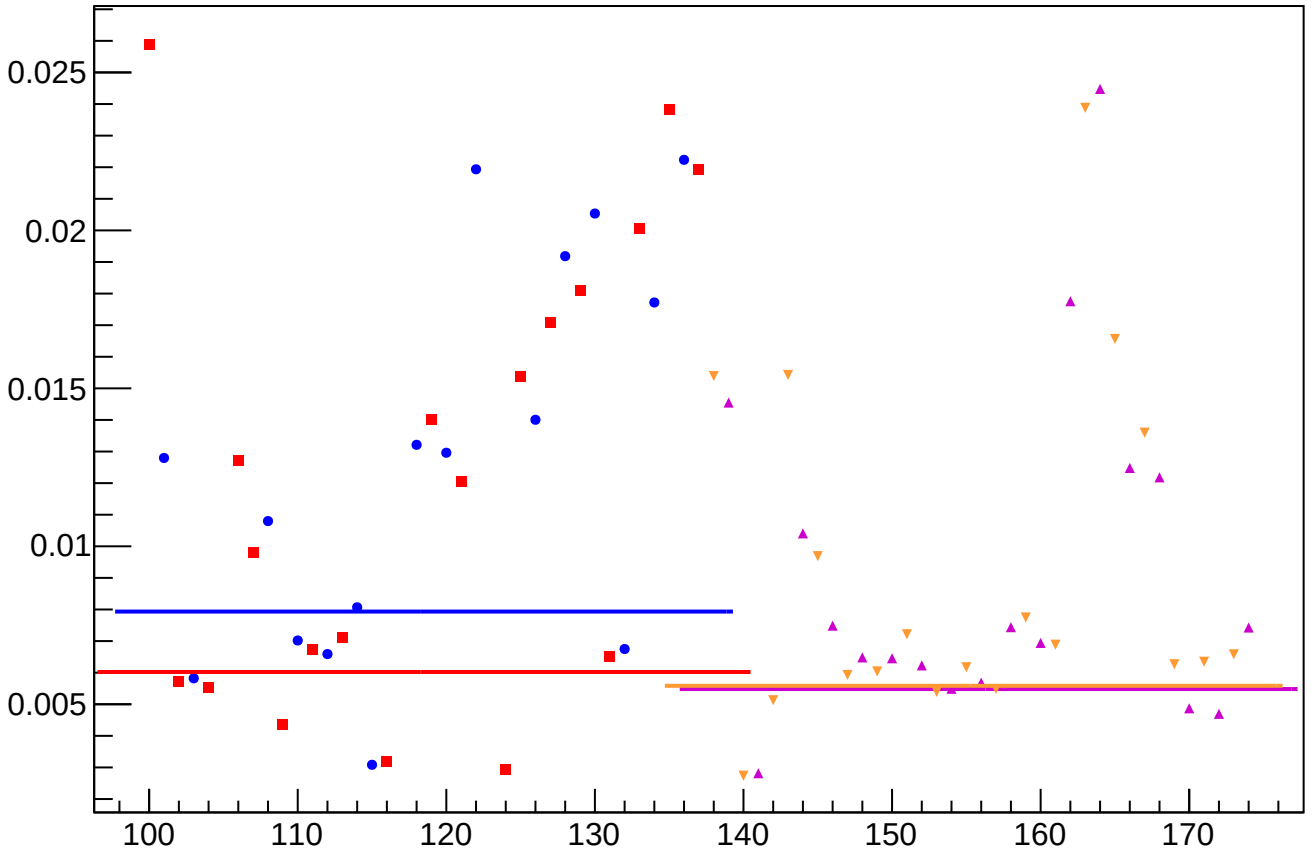
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 59.8/34

All: 0.000+/-0.000 χ^2/NDF: 89.3/71

- 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:5705431.9/18

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

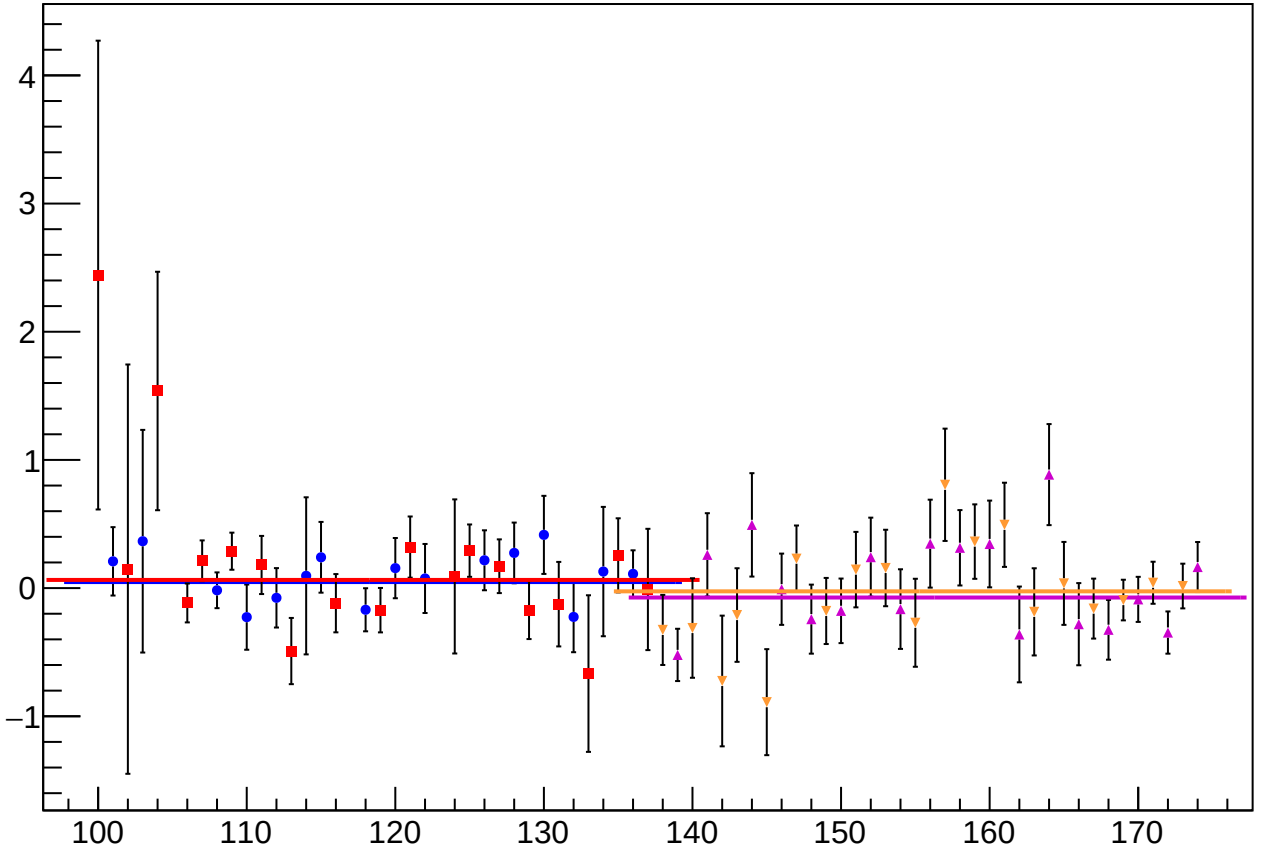
Left In: 0.005+/-0.000 χ^2/NDF:5305820.1/17

+ sign 0.006+/-0.000 χ^2/NDF: 10033422.9/34

All: 0.006+/-0.000 χ^2/NDF: 19483270.6/71

- 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: -0.025+/-0.061 χ^2/NDF:19.7/18

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

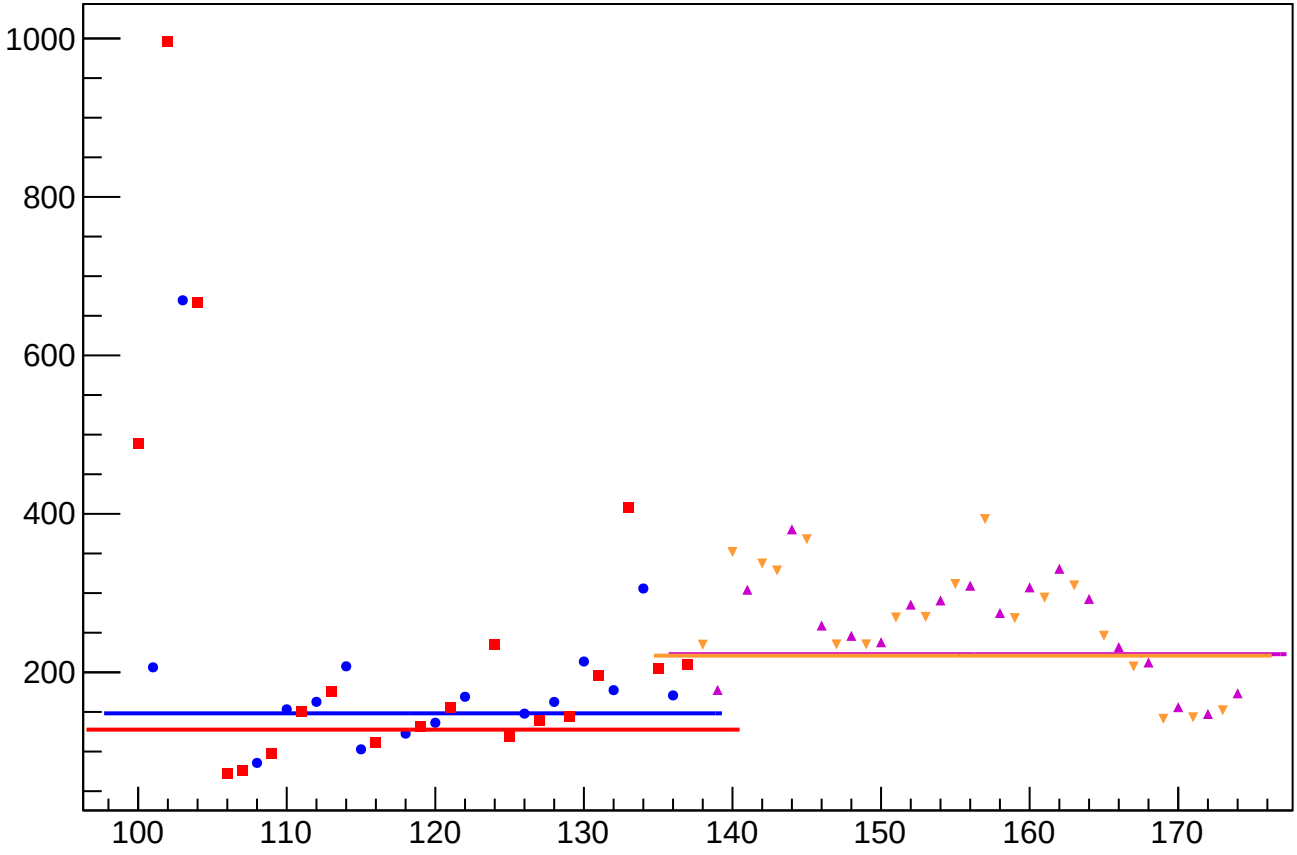
Left In: -0.074+/-0.061 χ^2/NDF:26.7/17

+ sign 0.011+/-0.043 χ^2/NDF: 29.0/34

All: 0.007+/-0.029 χ^2/NDF: 80.7/71

- sign 0.003+/-0.041 χ^2/NDF: 51.7/36

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 221.071+/-0.043 χ^2/NDF:2906266.2/18

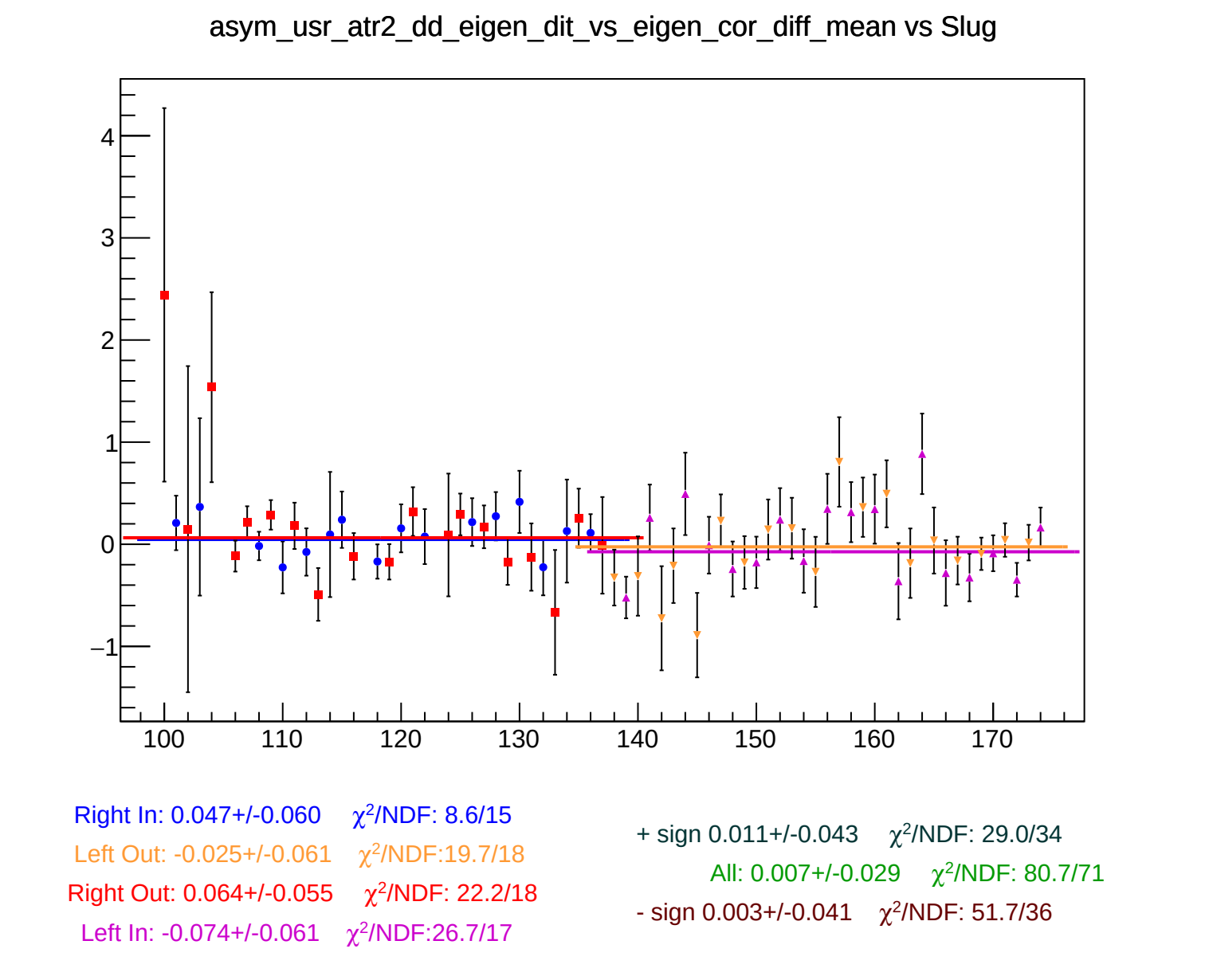
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

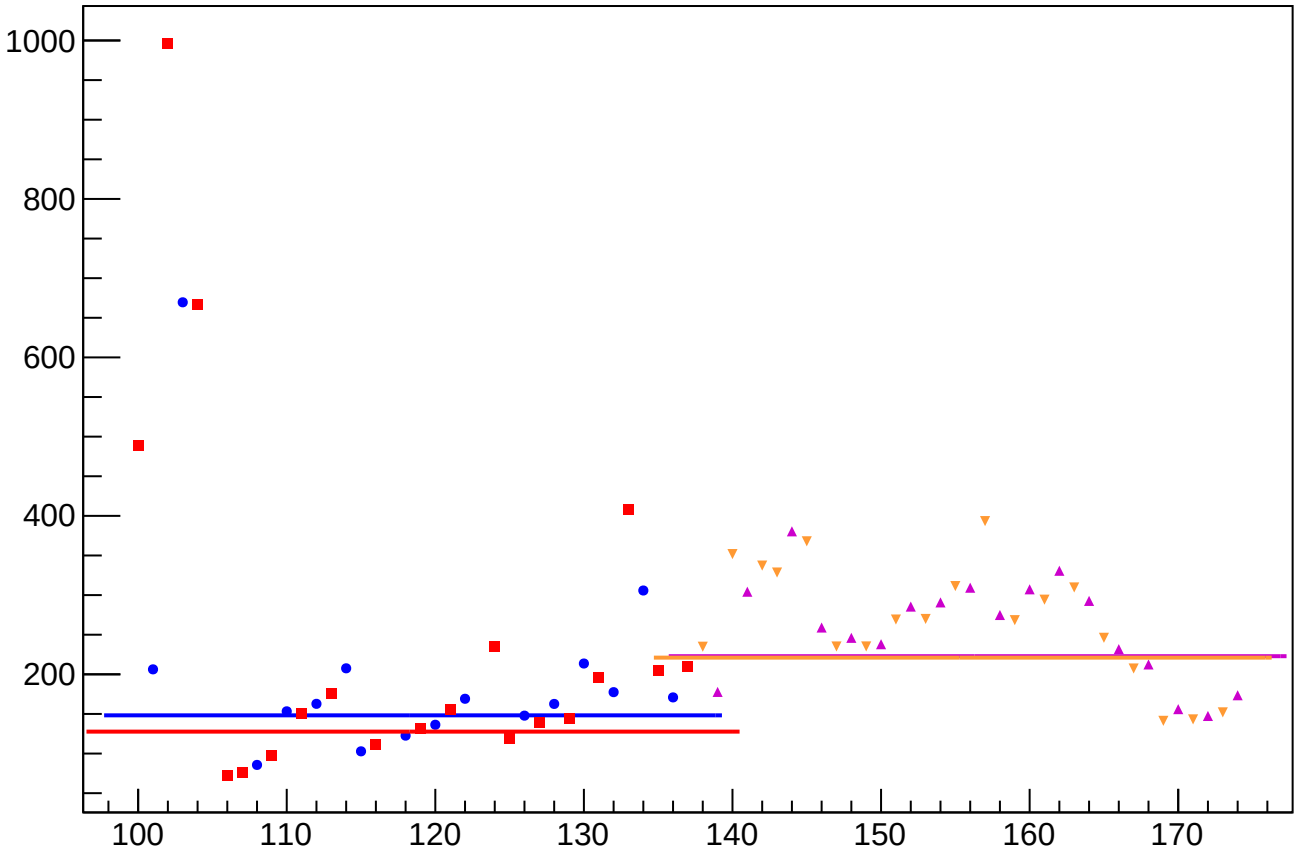
Left In: 222.887+/-0.043 χ^2/NDF:2147703.3/17

+ sign 184.228+/-0.030 χ^2/NDF: 6071273.3/34

All: 176.835+/-0.021 χ^2/NDF: 13878661.5/71

- sign 170.117+/-0.029 χ^2/NDF: 7692937.1/36


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.025+/-0.061 χ²/NDF:19.7/18
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.074+/-0.061 χ²/NDF:26.7/17
+ sign 0.011+/-0.043 χ²/NDF: 29.0/34
All: 0.007+/-0.029 χ²/NDF: 80.7/71
- sign 0.003+/-0.041 χ²/NDF: 51.7/36



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 221.071+/-0.043 χ^2/NDF:2906266.2/18

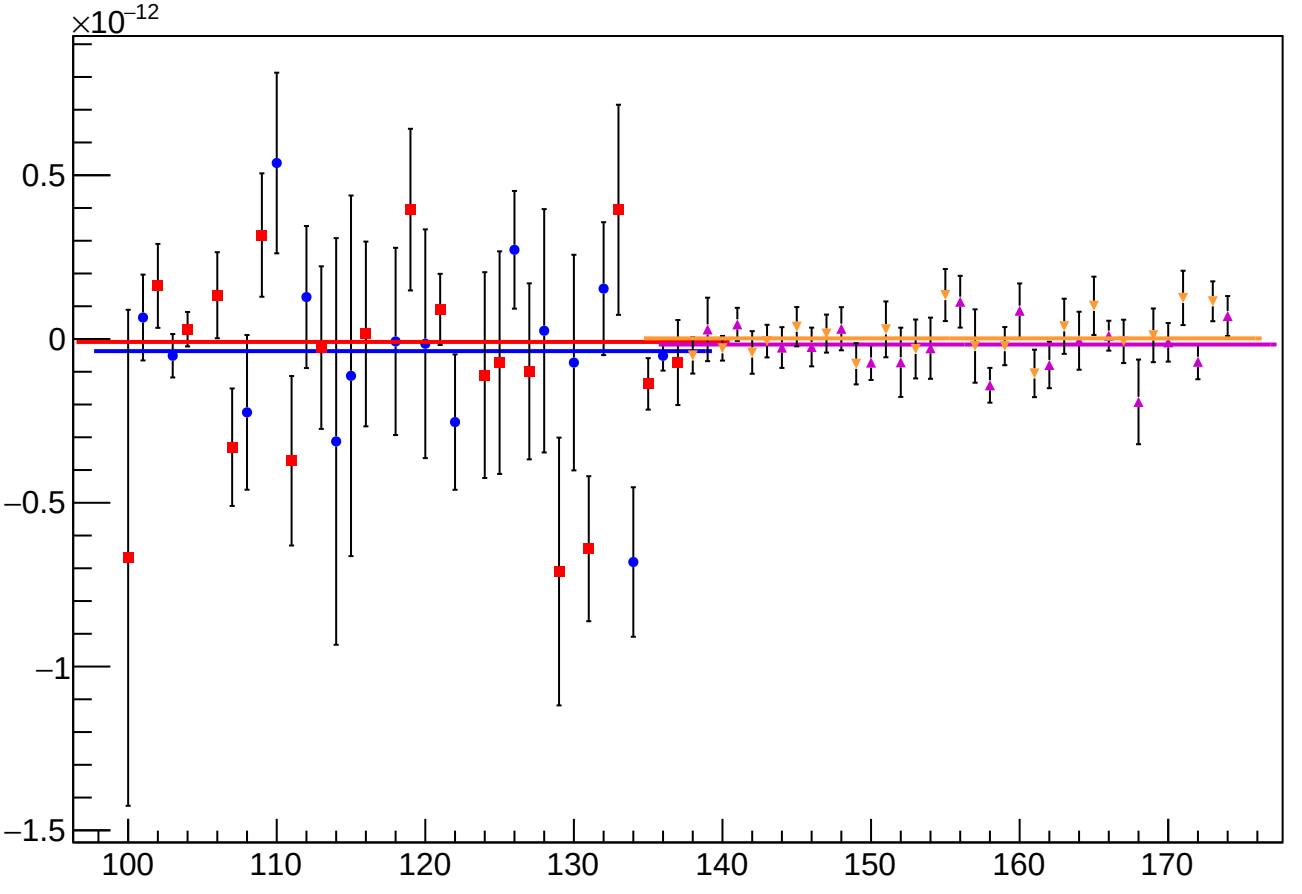
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.887+/-0.043 χ^2/NDF:2147703.3/17

+ sign 184.228+/-0.030 χ^2/NDF: 6071273.3/34

All: 176.835+/-0.021 χ^2/NDF: 13878661.5/71

- 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:16.5/18

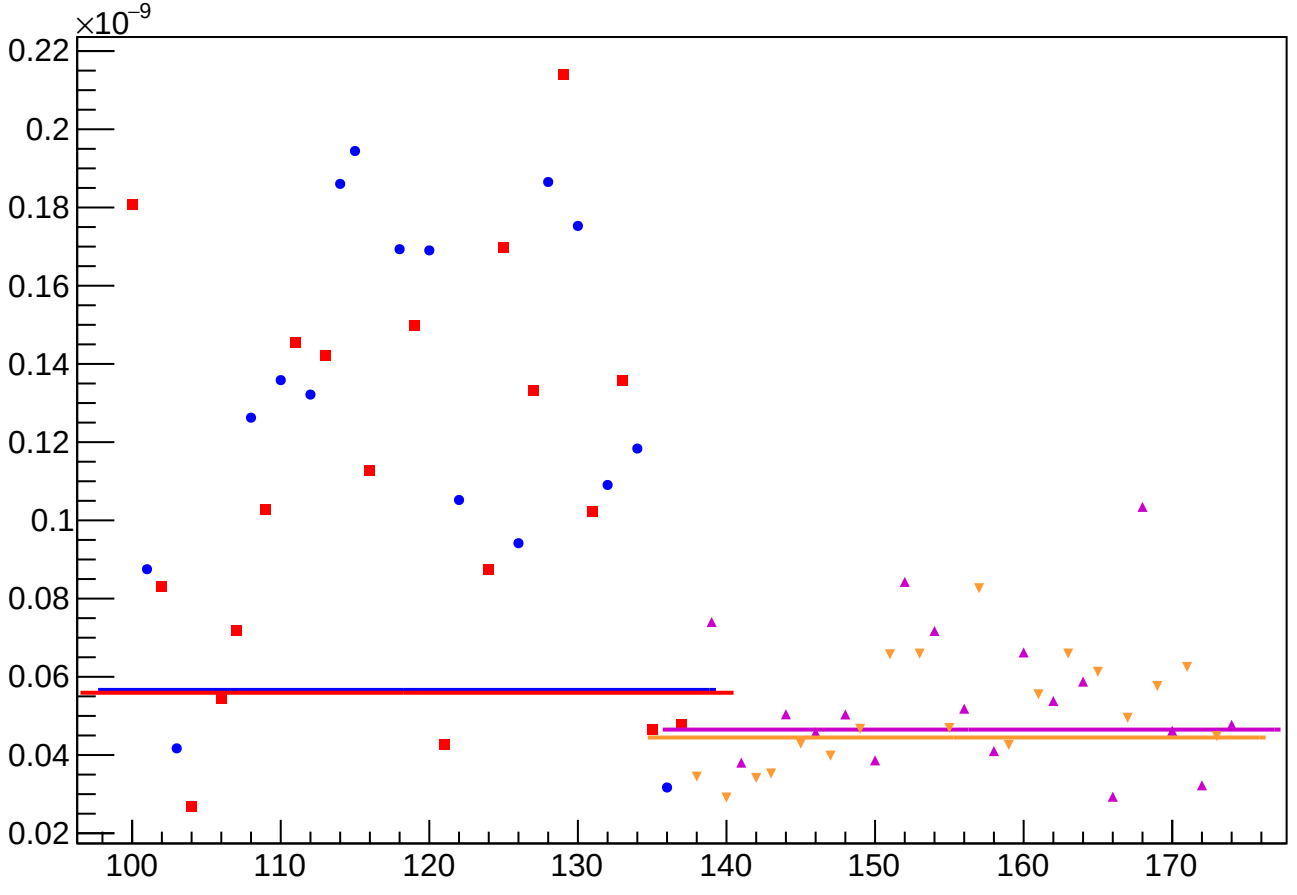
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.4/17

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

All: -0.000+/-0.000 χ^2/NDF: 88.7/71

- sign -0.000+/-0.000 χ^2/NDF: 51.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1414005.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

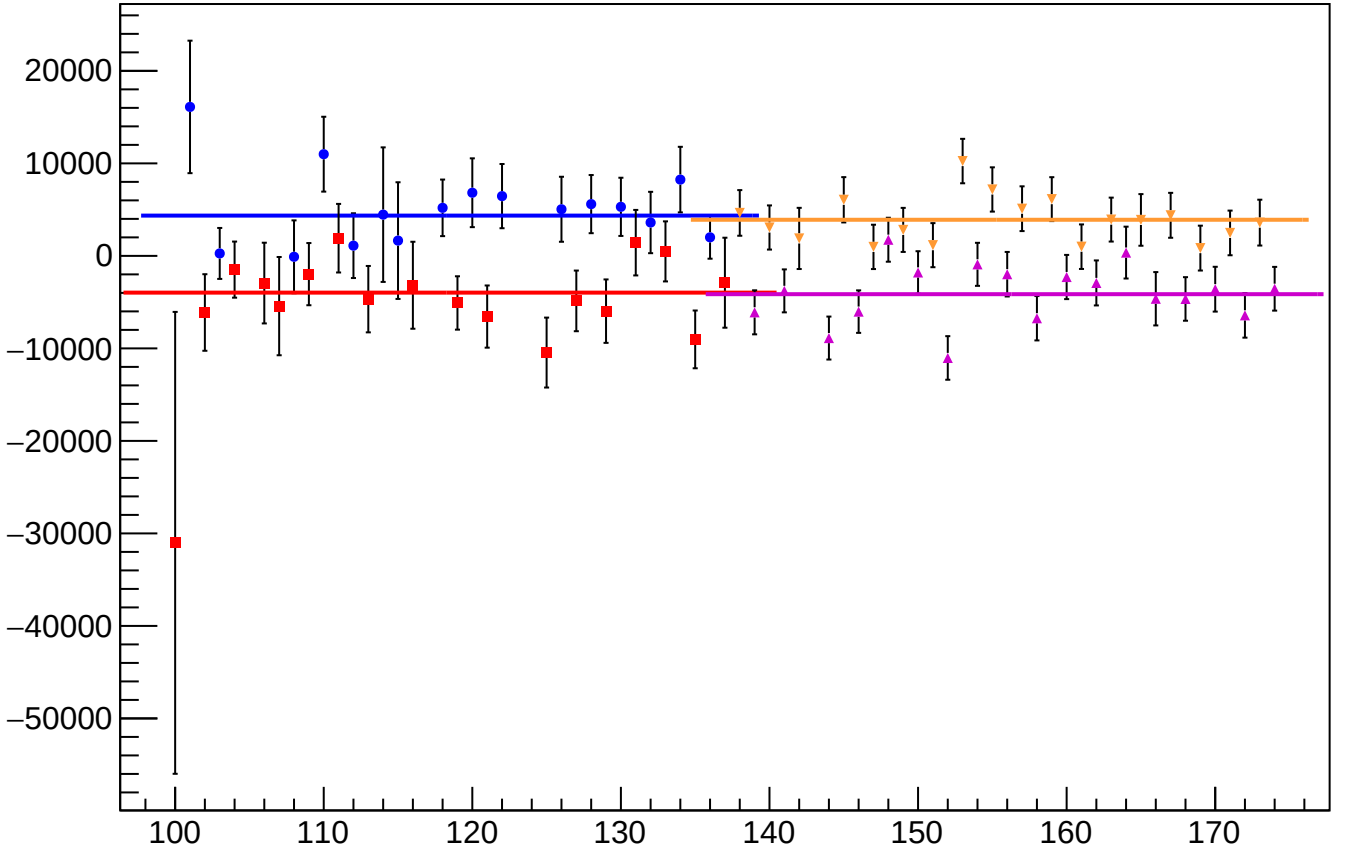
Left In: 0.000+/-0.000 χ^2/NDF:1694456.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 4763560.7/34

All: 0.000+/-0.000 χ^2/NDF: 9346528.8/71

- sign 0.000+/-0.000 χ^2/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: 3904.279+/-579.913 χ^2/NDF:17.8/17

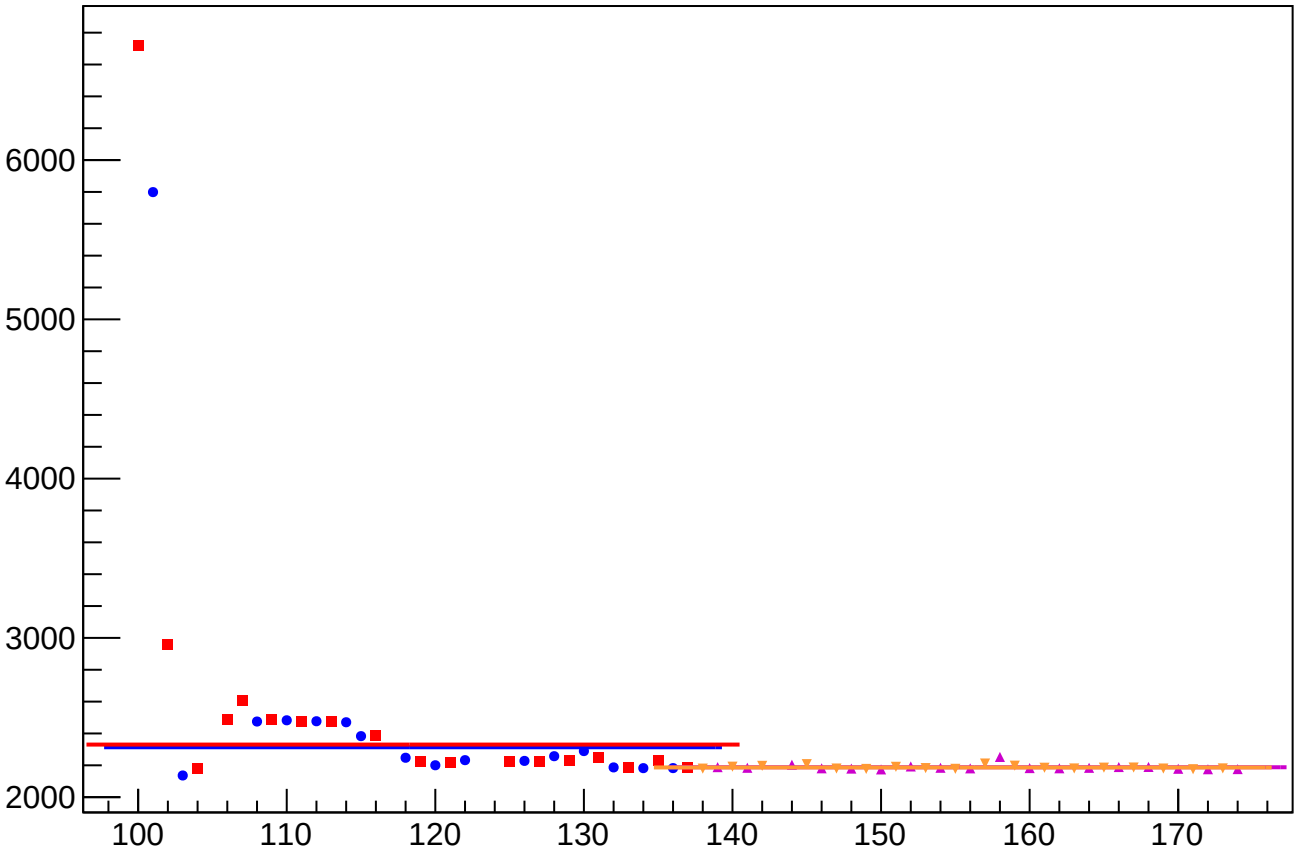
Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: -4139.765+/-567.141 χ^2/NDF:29.7/17

+ sign 4041.603+/-483.413 χ^2/NDF: 31.4/33

All: -92.723+/-338.927 χ^2/NDF: 221.2/69

- sign -4089.743+/-475.318 χ^2/NDF: 45.9/35



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.608+/-0.410 χ^2/NDF:606.0/17

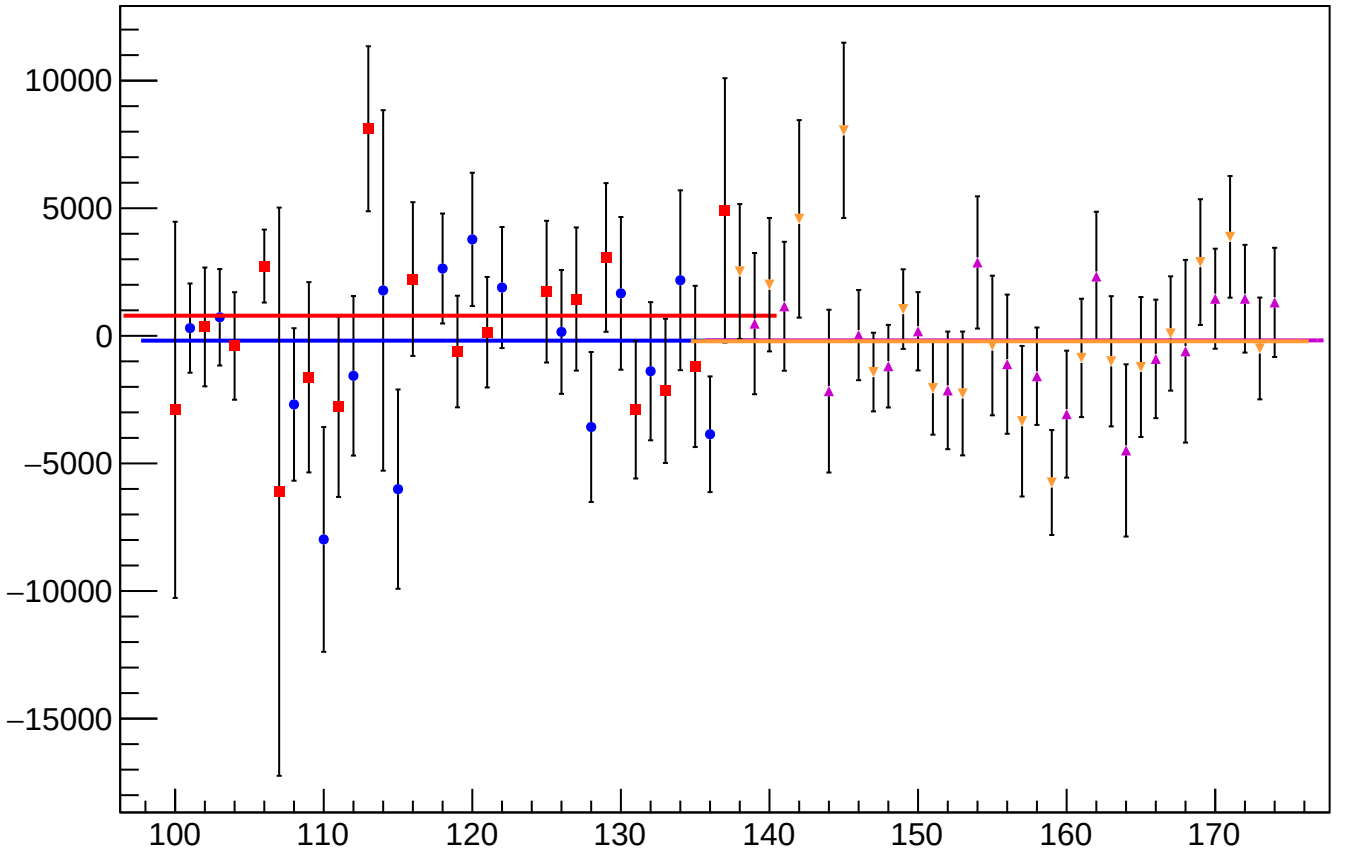
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2187.836+/-0.401 χ^2/NDF:1858.5/17

+ sign 2225.299+/-0.342 χ^2/NDF: 542154.9/33

All: 2227.793+/-0.240 χ^2/NDF: 732833.0/69

- 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: -212.480+/-535.152 χ^2/NDF:25.4/17

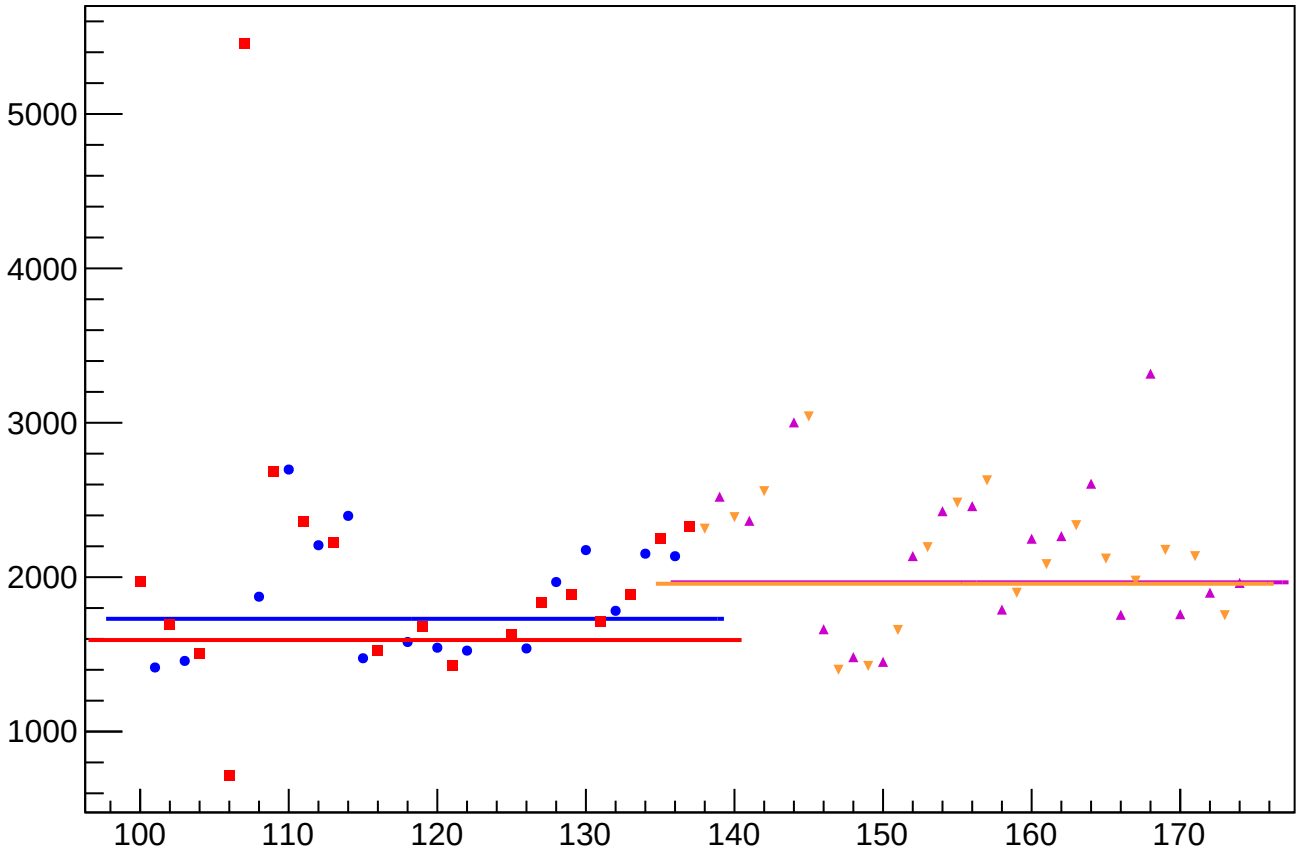
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -178.498+/-524.889 χ^2/NDF:9.8/17

+ sign -203.002+/-415.260 χ^2/NDF: 41.8/33

All: 11.169+/-289.769 χ^2/NDF: 68.4/69

- 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: 1957.355+/-0.378 χ^2/NDF:1188762.1/17

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

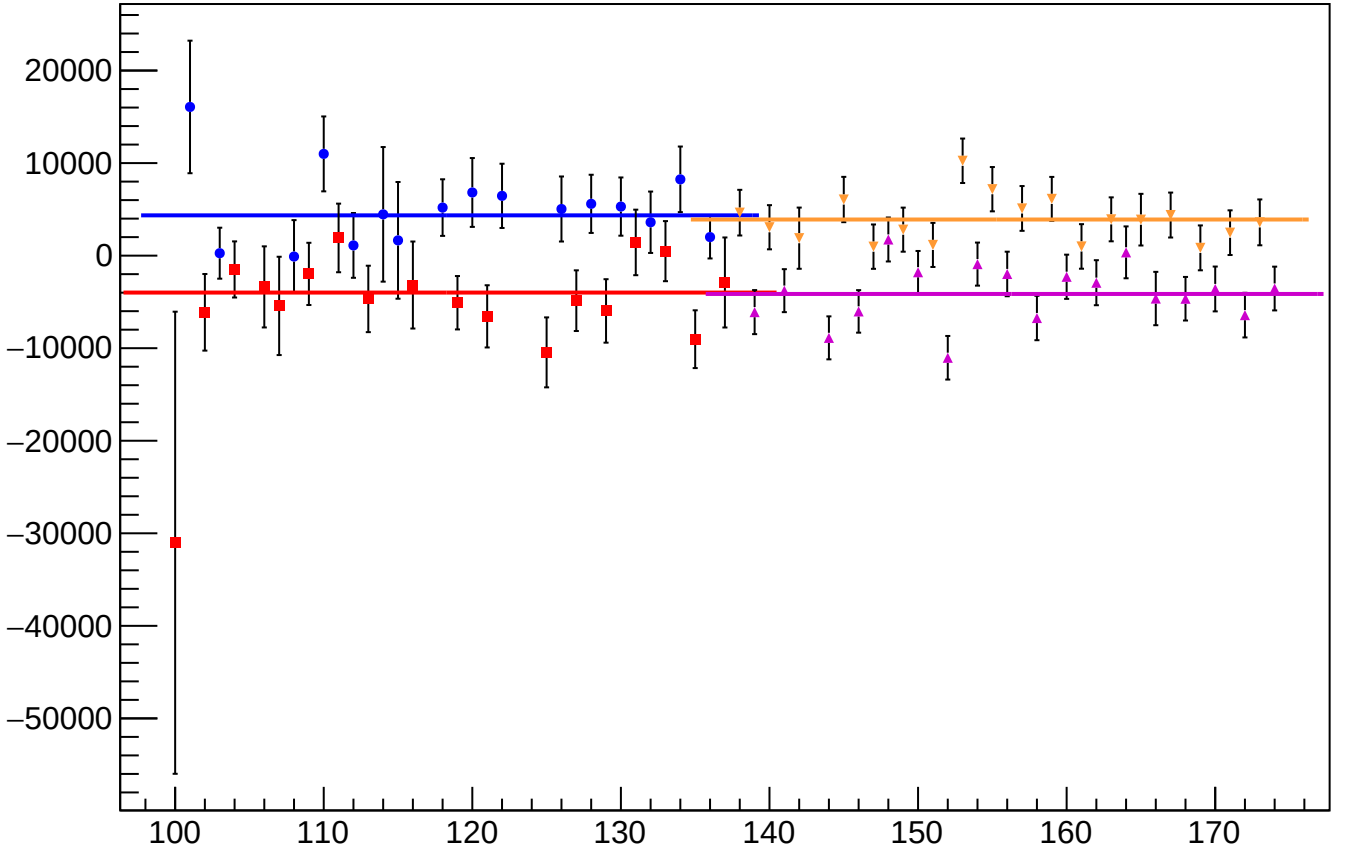
Left In: 1966.574+/-0.371 χ^2/NDF:1412567.9/17

+ sign 1867.010+/-0.294 χ^2/NDF: 1810957.1/33

All: 1840.241+/-0.205 χ^2/NDF: 5207622.9/69

- 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: 3904.233+/-579.913 χ^2/NDF:17.8/17

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

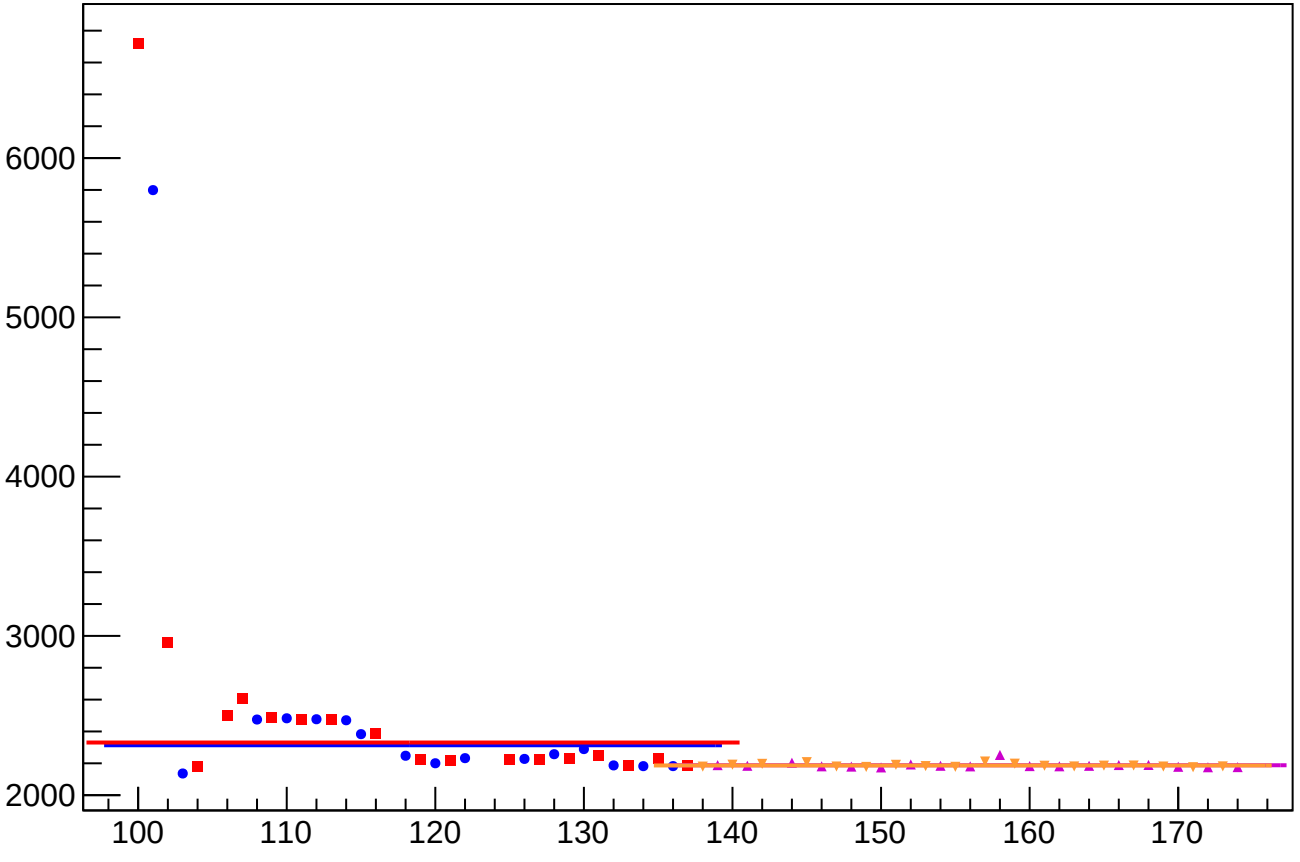
Left In: -4139.865+/-567.141 χ^2/NDF:29.7/17

+ sign 4041.364+/-483.413 χ^2/NDF: 31.4/33

All: -95.428+/-338.935 χ^2/NDF: 221.3/69

- 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: 2186.609+/-0.410 χ^2/NDF:606.0/17

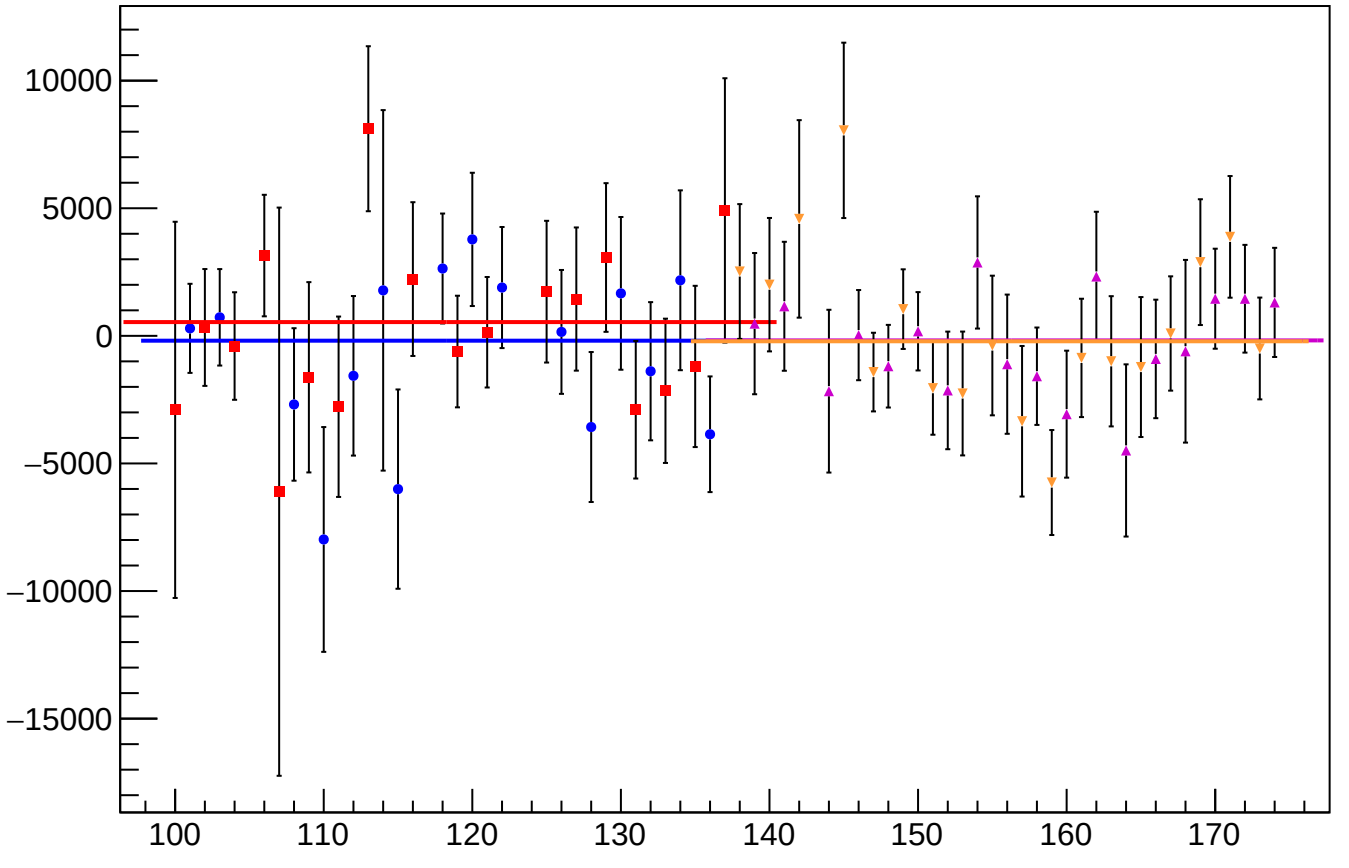
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.836+/-0.401 χ^2/NDF:1858.5/17

+ sign 2225.299+/-0.342 χ^2/NDF: 542155.3/33

All: 2227.843+/-0.240 χ^2/NDF: 733369.5/69

- 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: -212.579+/-535.150 χ^2/NDF:25.4/17

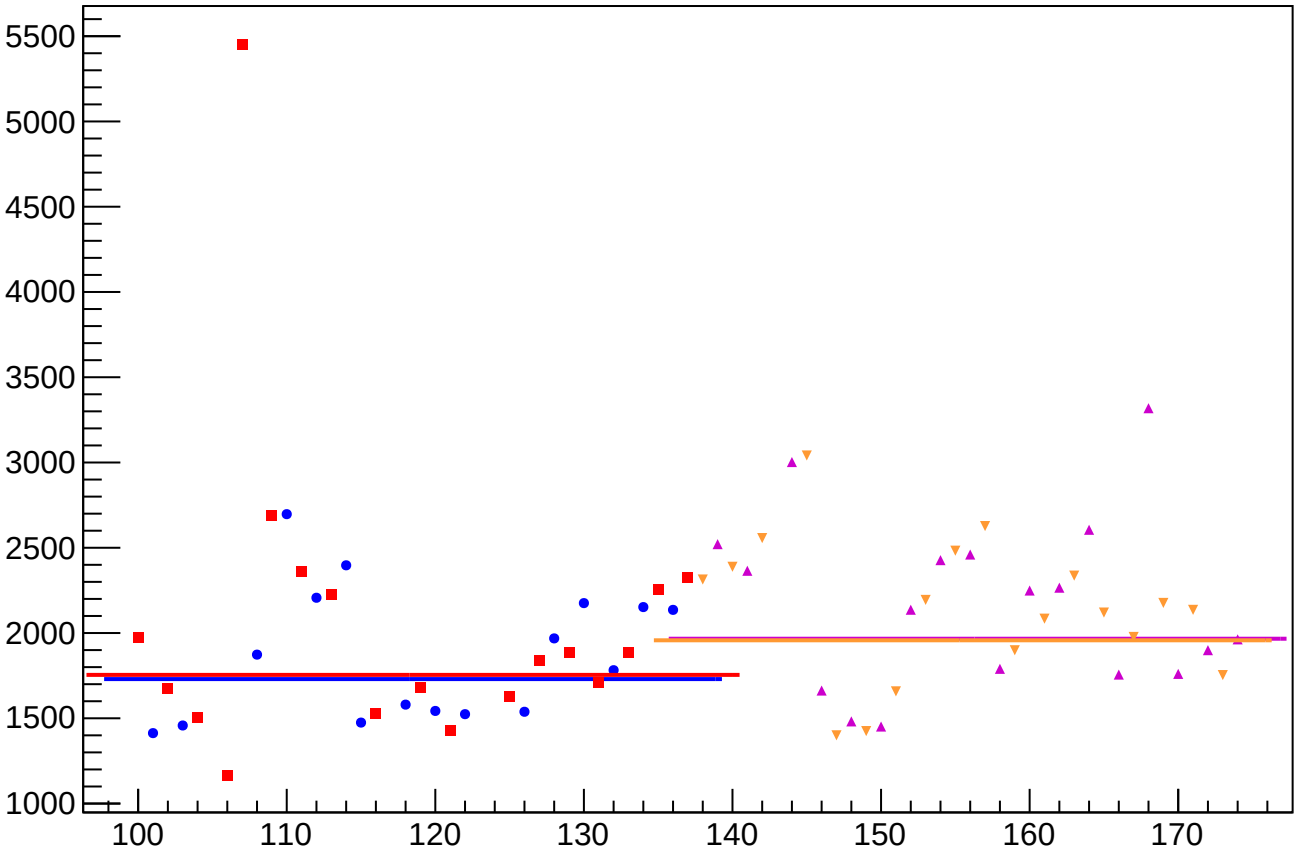
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -178.605+/-524.890 χ^2/NDF:9.8/17

+ sign -203.498+/-415.227 χ^2/NDF: 41.8/33

All: -56.503+/-293.564 χ^2/NDF: 66.4/69

- 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: 1957.350+/-0.378 χ^2/NDF:1188802.0/17

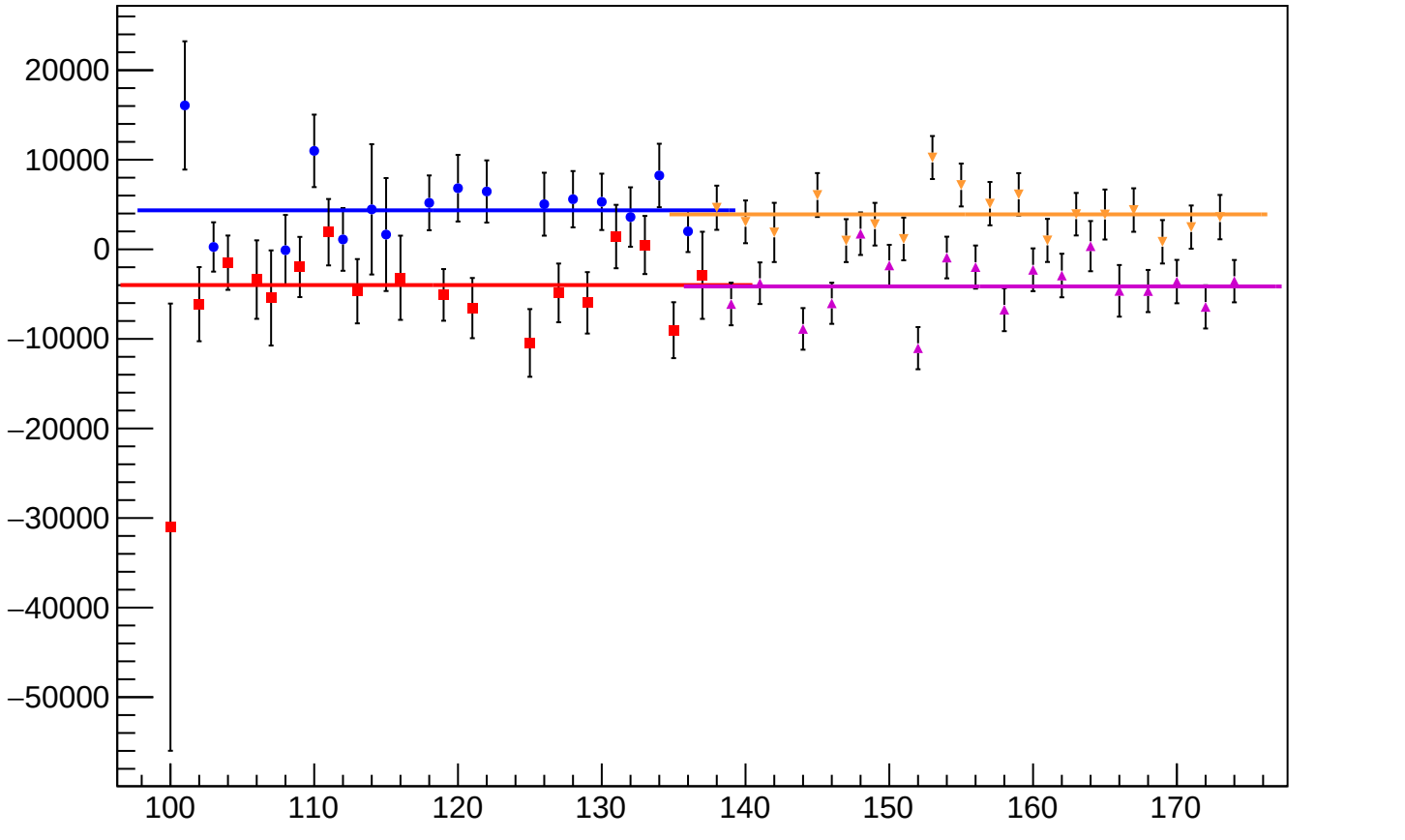
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1966.580+/-0.371 χ^2/NDF:1412590.7/17

+ sign 1866.831+/-0.294 χ^2/NDF: 1812482.1/33

All: 1876.992+/-0.208 χ^2/NDF: 4100754.9/69

- 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: 3904.233+/-579.913 χ^2/NDF:17.8/17

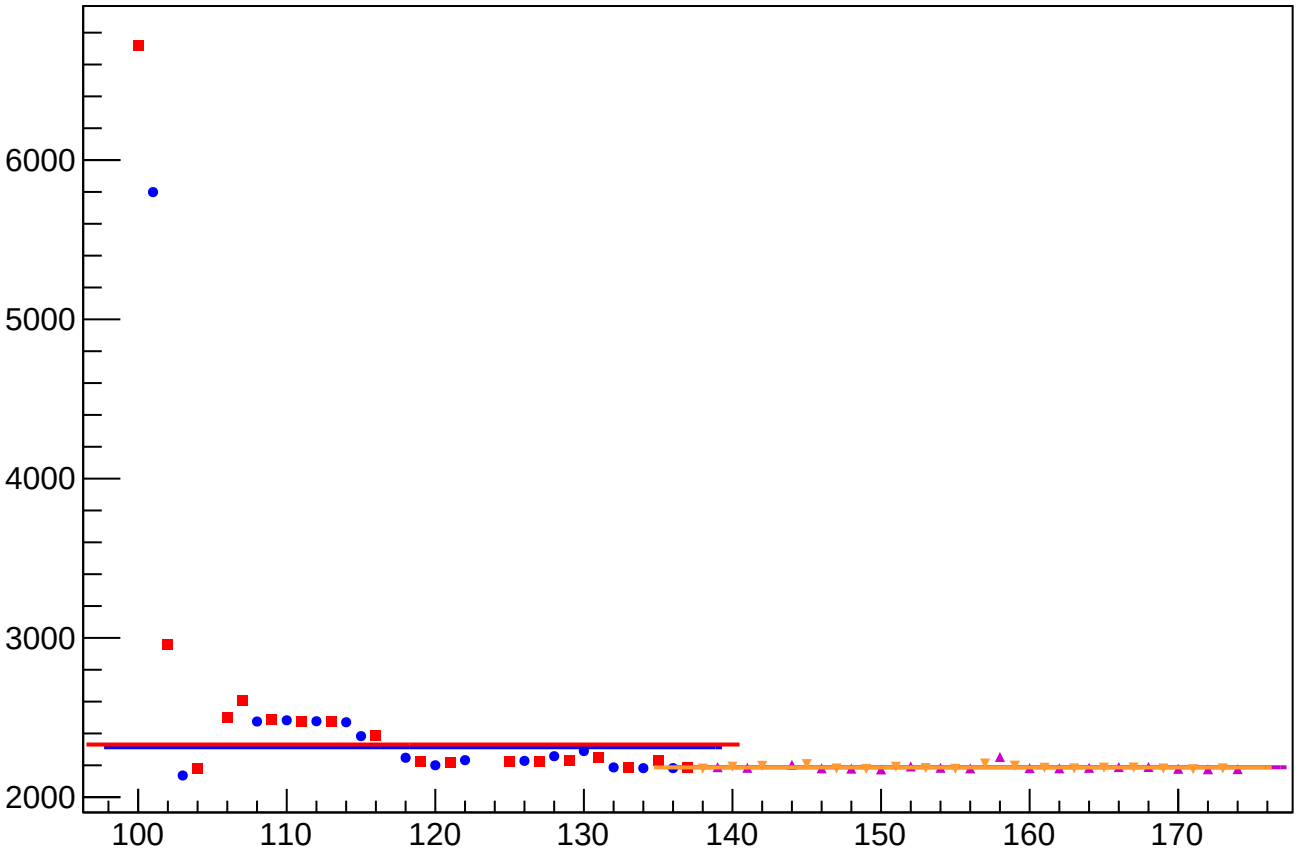
Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: -4139.865+/-567.141 χ^2/NDF:29.7/17

+ sign 4041.364+/-483.413 χ^2/NDF: 31.4/33

All: -95.428+/-338.935 χ^2/NDF: 221.3/69

- sign -4095.242+/-475.343 χ^2/NDF: 45.9/35



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.609+/-0.410 χ^2/NDF:606.0/17

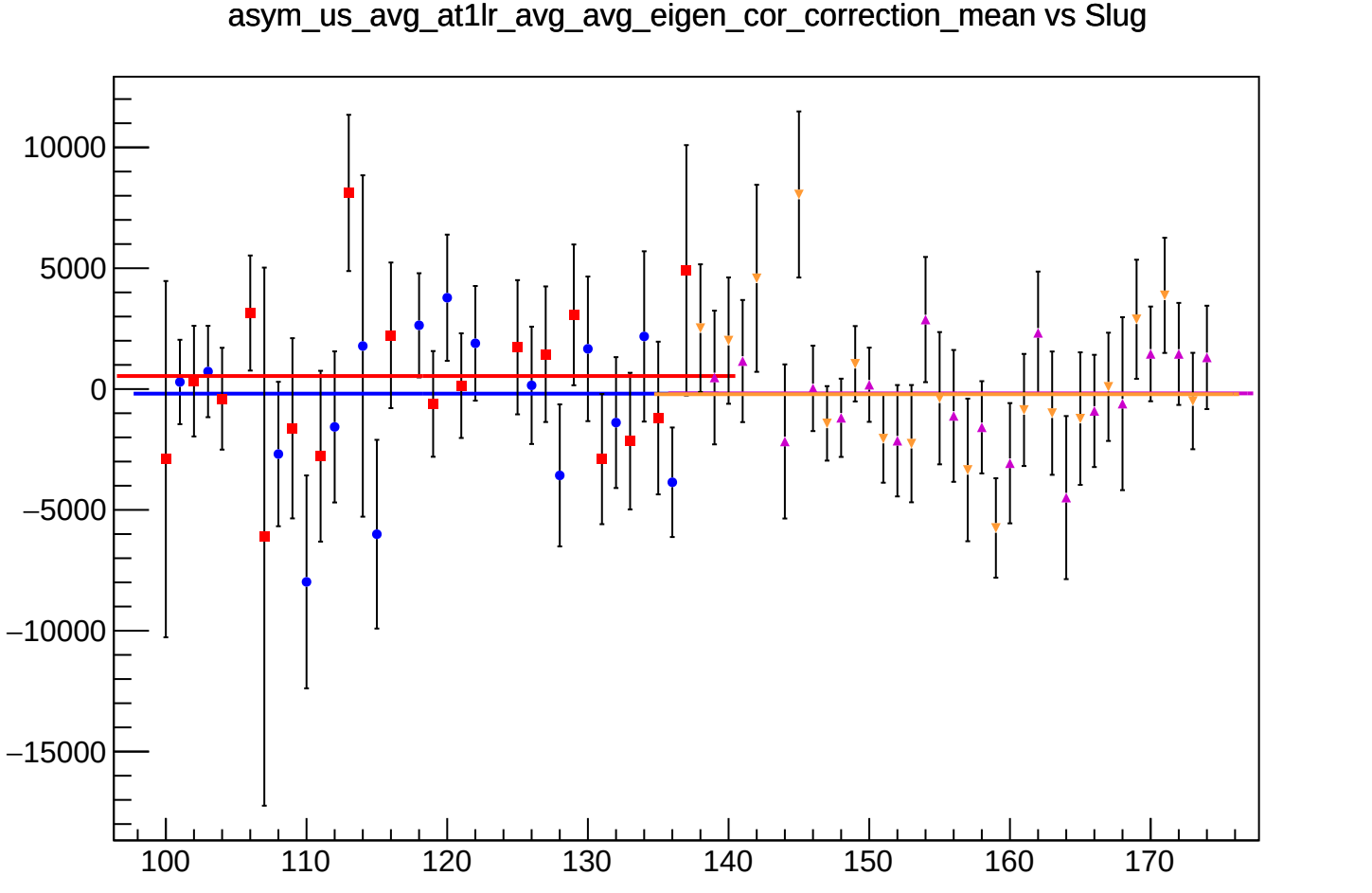
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

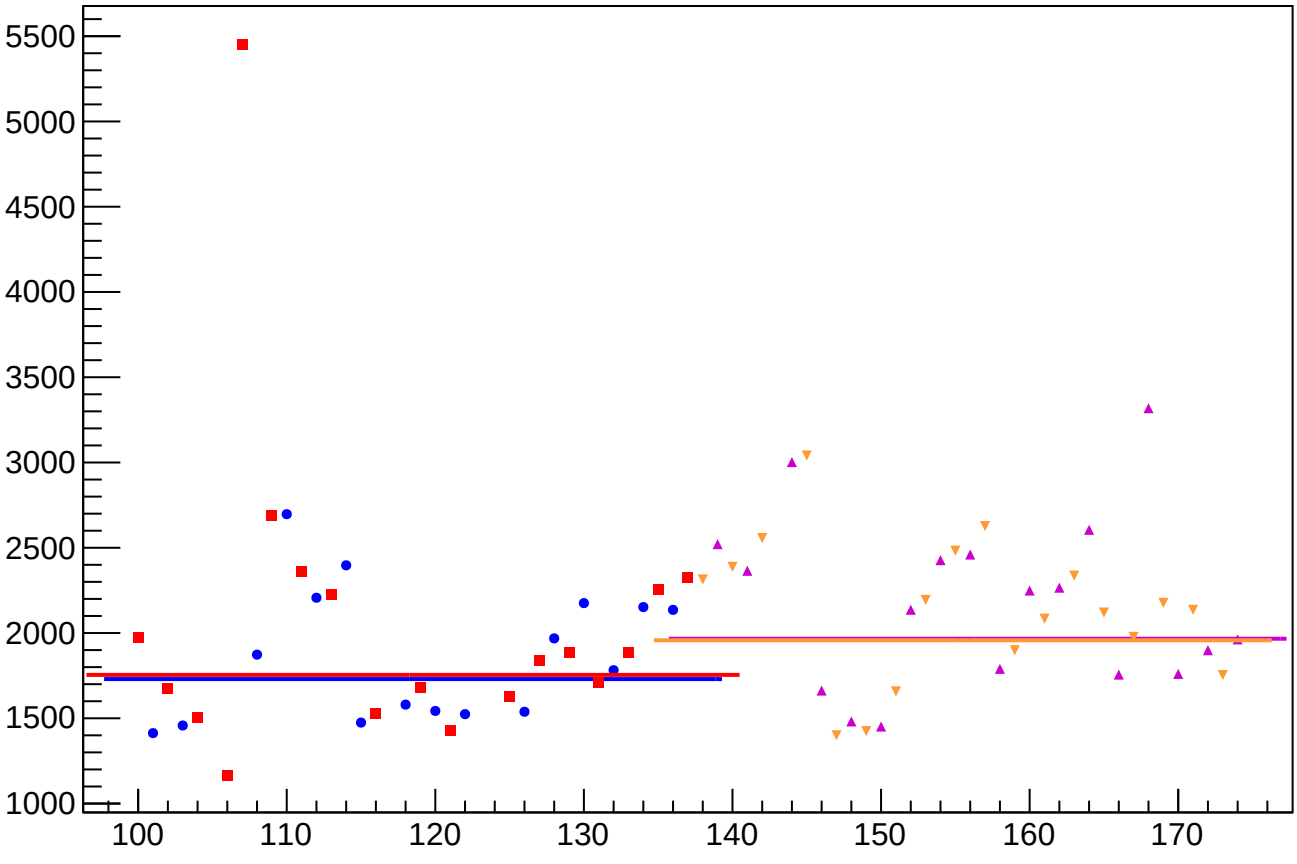
Left In: 2187.836+/-0.401 χ^2/NDF:1858.5/17

+ sign 2225.299+/-0.342 χ^2/NDF: 542155.3/33

All: 2227.843+/-0.240 χ^2/NDF: 733369.5/69

- sign 2230.303+/-0.336 χ^2/NDF: 191105.2/35


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -212.579+/-535.150 χ²/NDF:25.4/17
Right Out: 539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -178.605+/-524.890 χ²/NDF:9.8/17
+ sign -203.498+/-415.227 χ²/NDF: 41.8/33
All: -56.503+/-293.564 χ²/NDF: 66.4/69
- sign 90.401+/-415.096 χ²/NDF: 24.4/35



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1957.350+/-0.378 χ^2/NDF:1188802.0/17

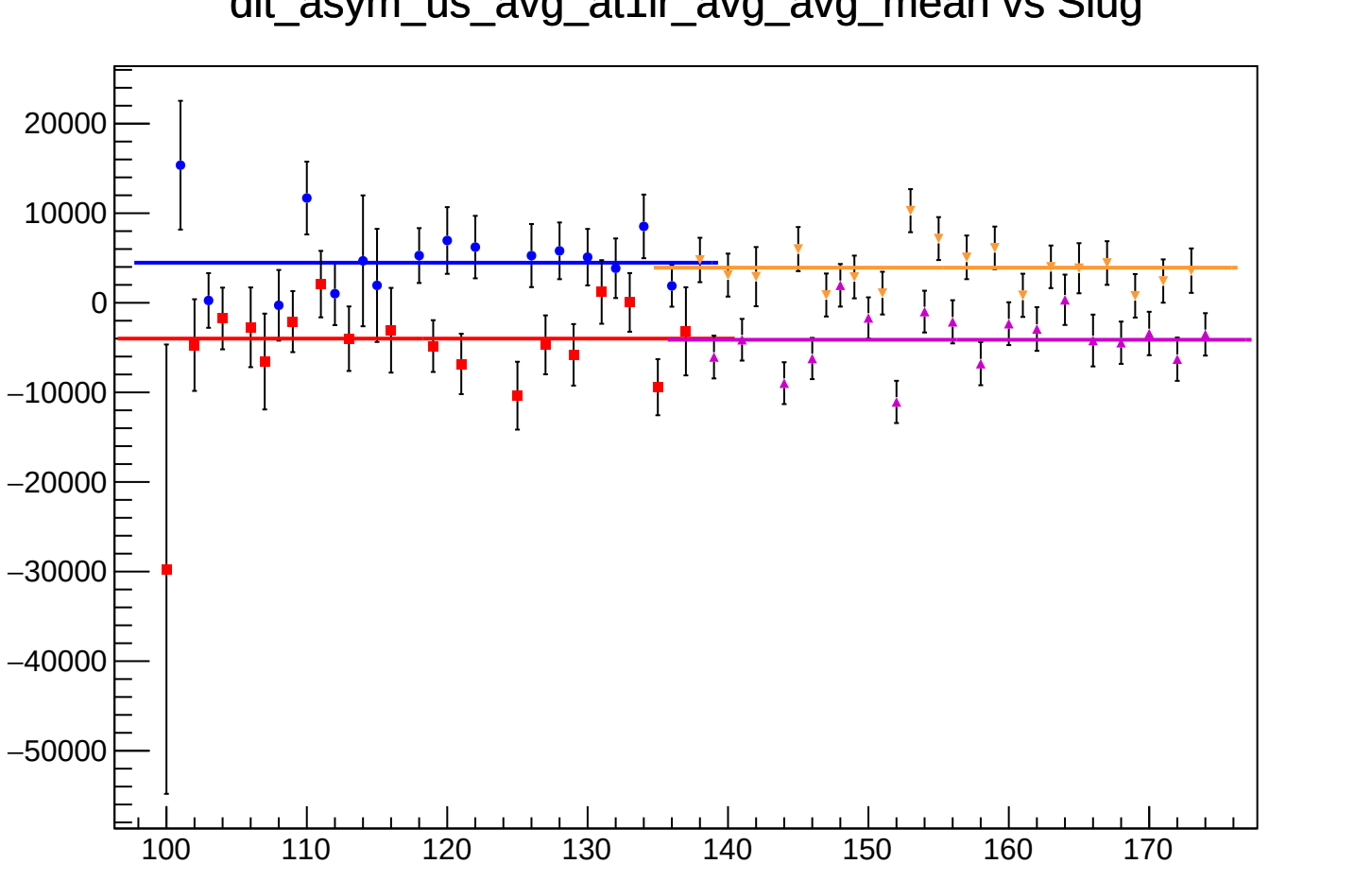
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1966.580+/-0.371 χ^2/NDF:1412590.7/17

+ sign 1866.831+/-0.294 χ^2/NDF: 1812482.1/33

All: 1876.992+/-0.208 χ^2/NDF: 4100754.9/69

- sign 1887.146+/-0.294 χ^2/NDF: 2285878.6/35



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3924.173+/-581.263 χ^2/NDF:18.0/17

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

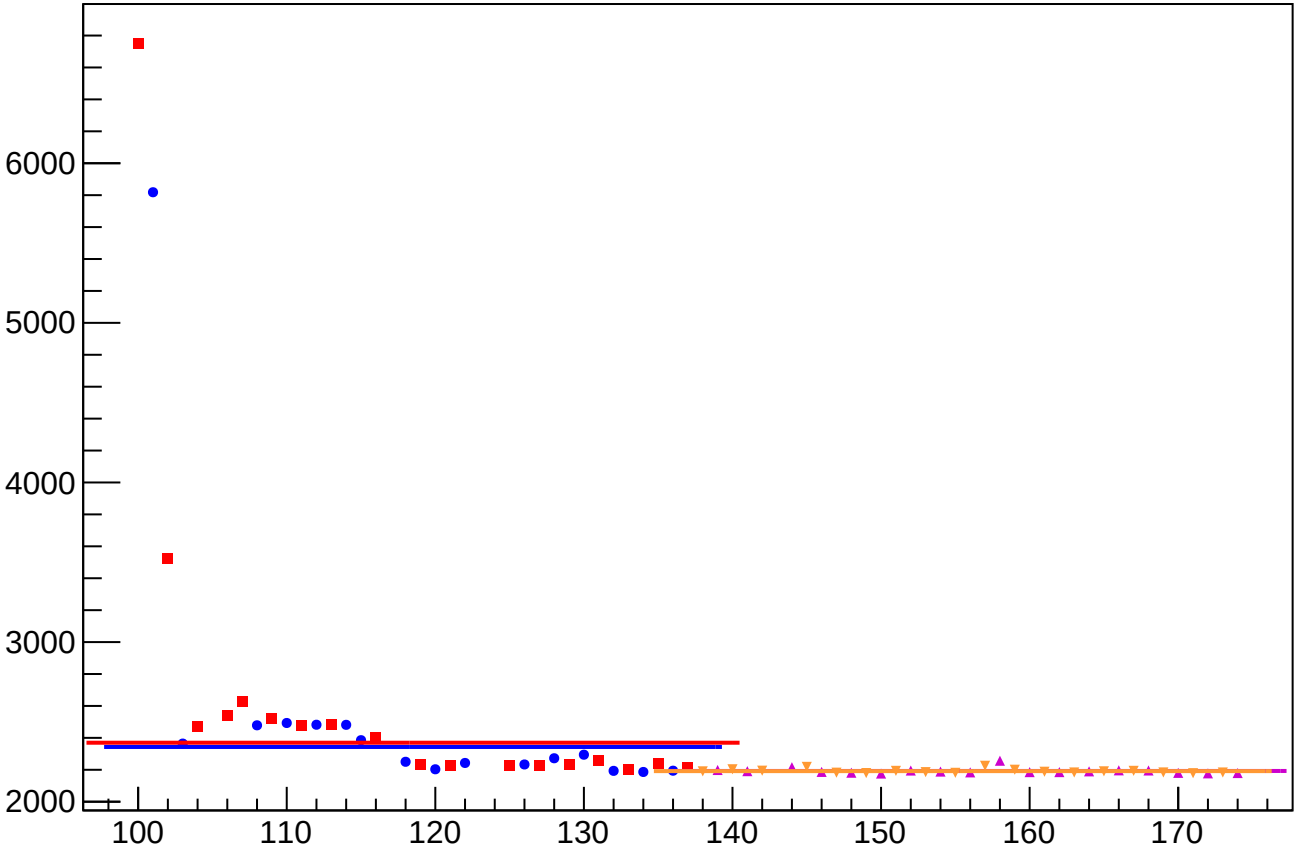
Left In: -4127.236+/-568.391 χ^2/NDF:30.1/17

\+ sign 4090.323+/-486.022 χ^2/NDF: 31.8/33

All: -58.066+/-341.197 χ^2/NDF: 221.1/69

\- 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: 2191.606+/-0.411 χ^2/NDF:964.3/17

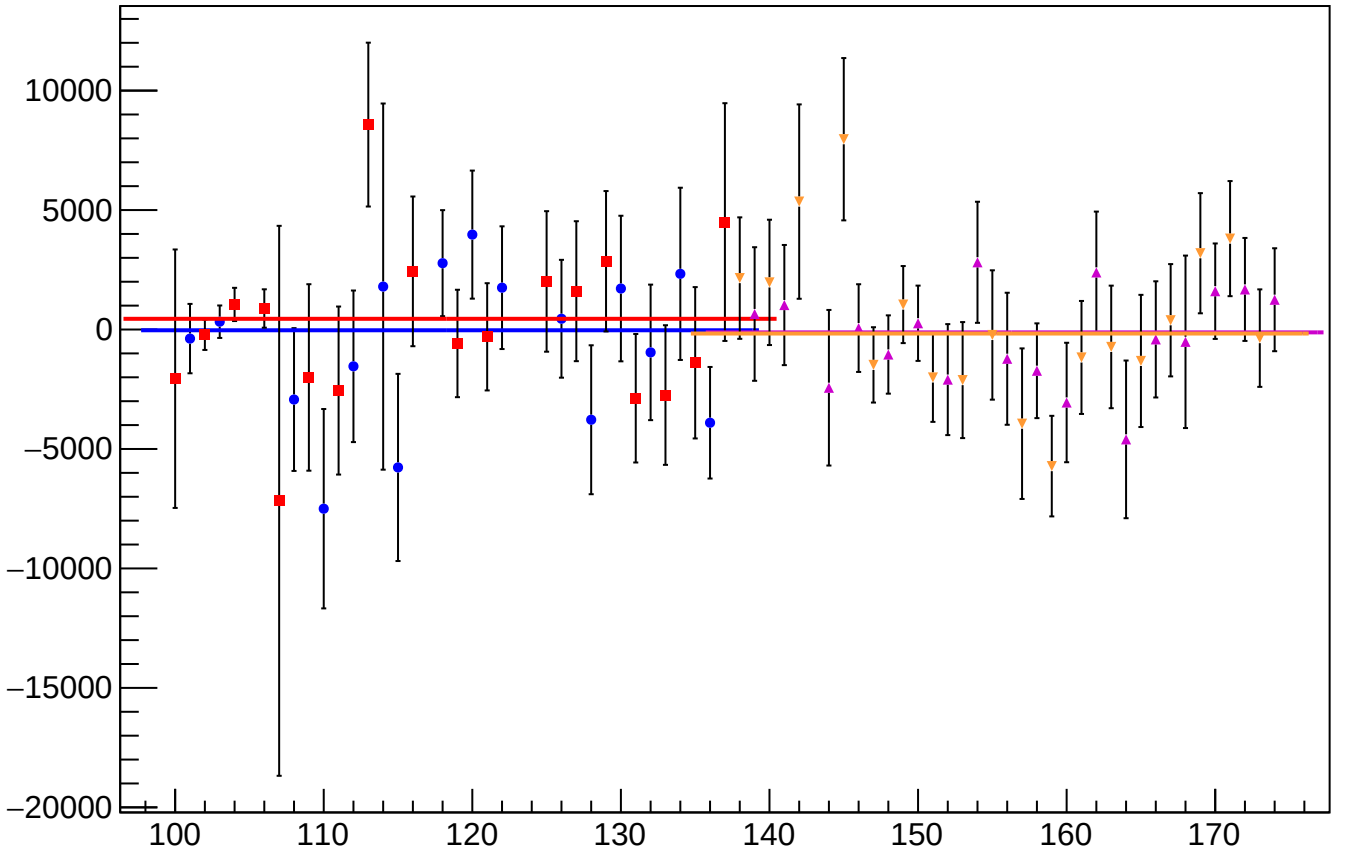
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2192.599+/-0.402 χ^2/NDF:2058.9/17

+ sign 2237.128+/-0.344 χ^2/NDF: 544603.3/33

All: 2240.529+/-0.241 χ^2/NDF: 813133.6/69

- 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: -168.015+/-544.813 χ^2/NDF:25.3/17

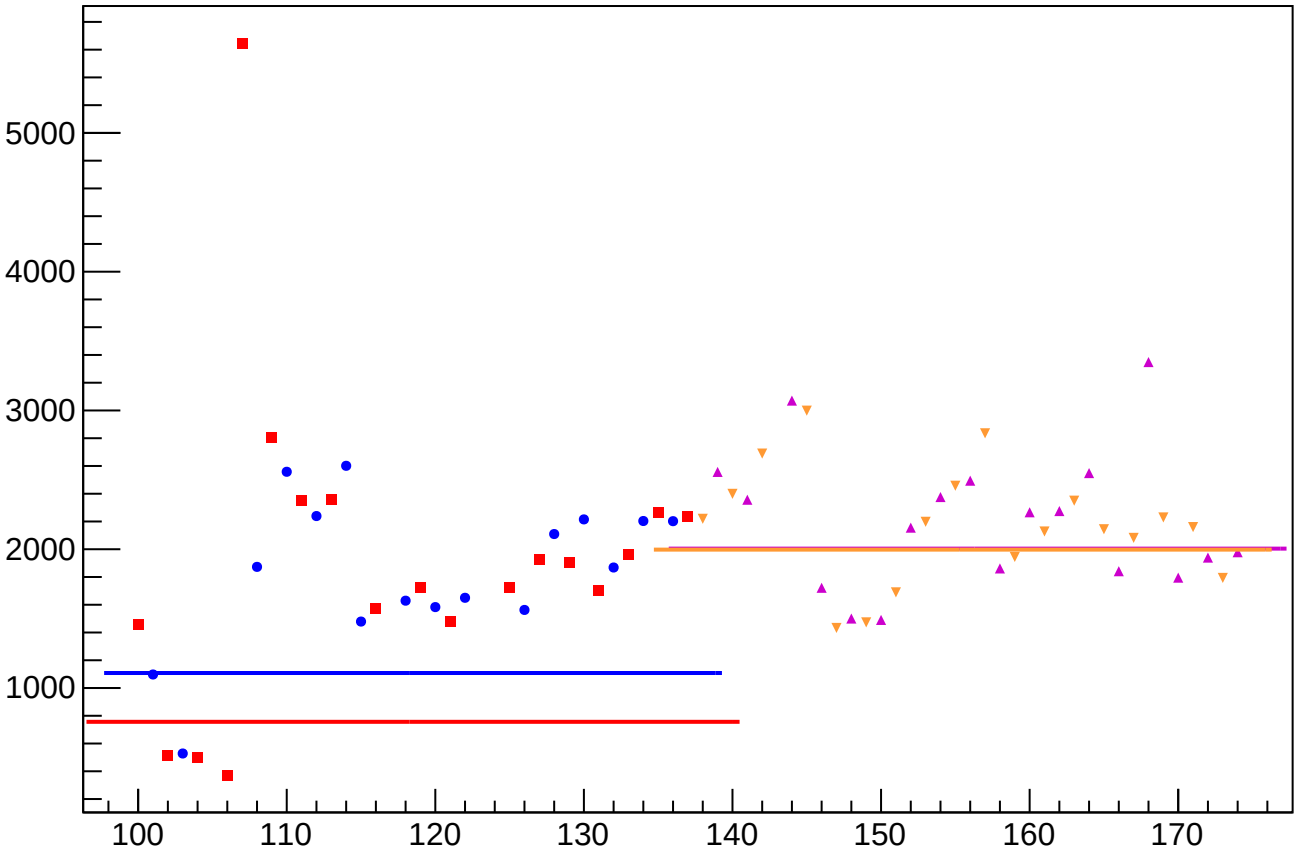
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -119.648+/-533.599 χ^2/NDF:10.1/17

+ sign -91.841+/-362.392 χ^2/NDF: 41.7/33

All: 122.261+/-231.041 χ^2/NDF: 68.2/69

- 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: 1997.282+/-0.385 χ^2/NDF:1128948.4/17

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

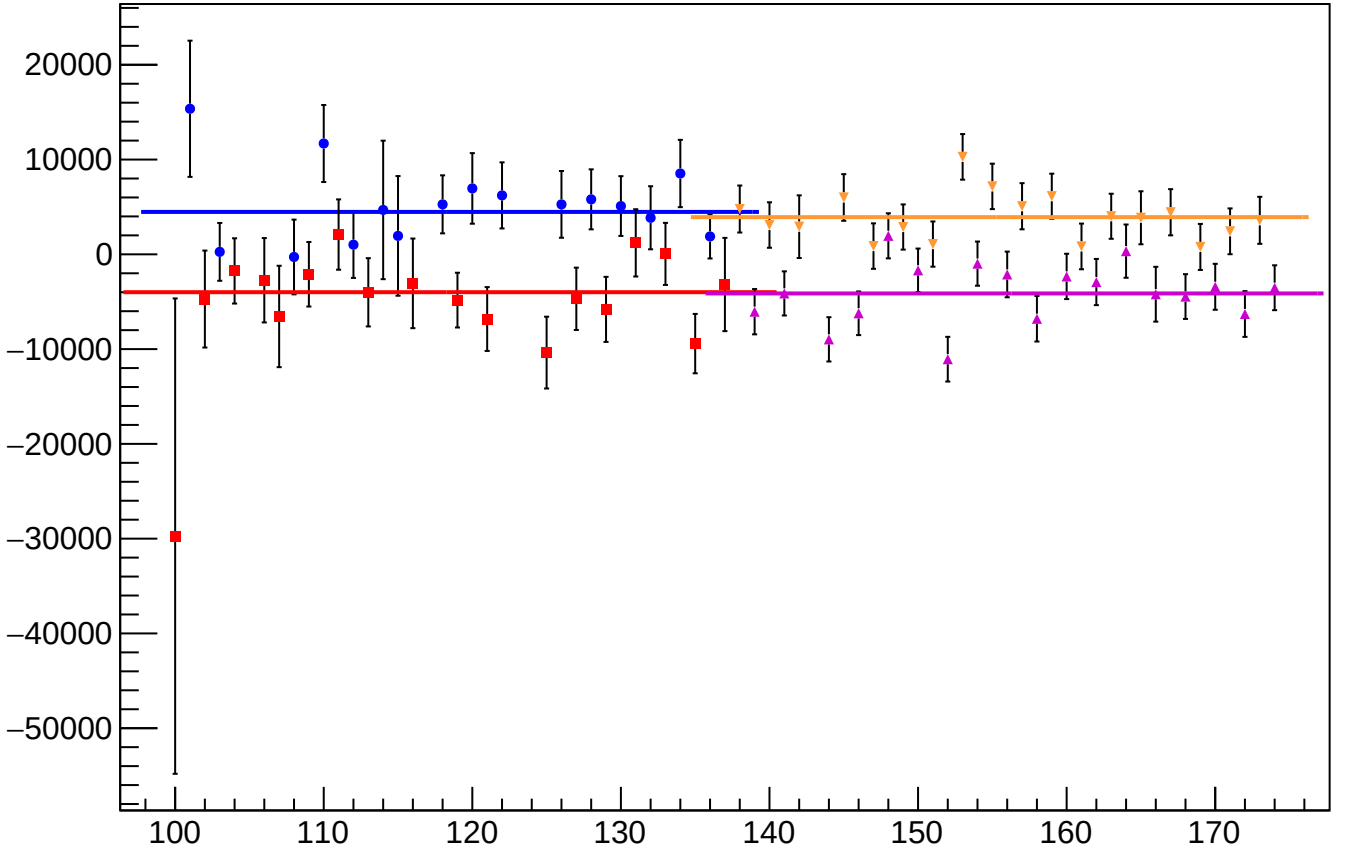
Left In: 2004.425+/-0.377 χ^2/NDF:1315028.7/17

+ sign 1501.539+/-0.256 χ^2/NDF: 7845471.9/33

All: 1293.253+/-0.163 χ^2/NDF: 23361583.0/6

- sign 1150.617+/-0.212 χ^2/NDF: 14402990.9/35

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3924.171+/-581.263 χ^2/NDF:18.0/17

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

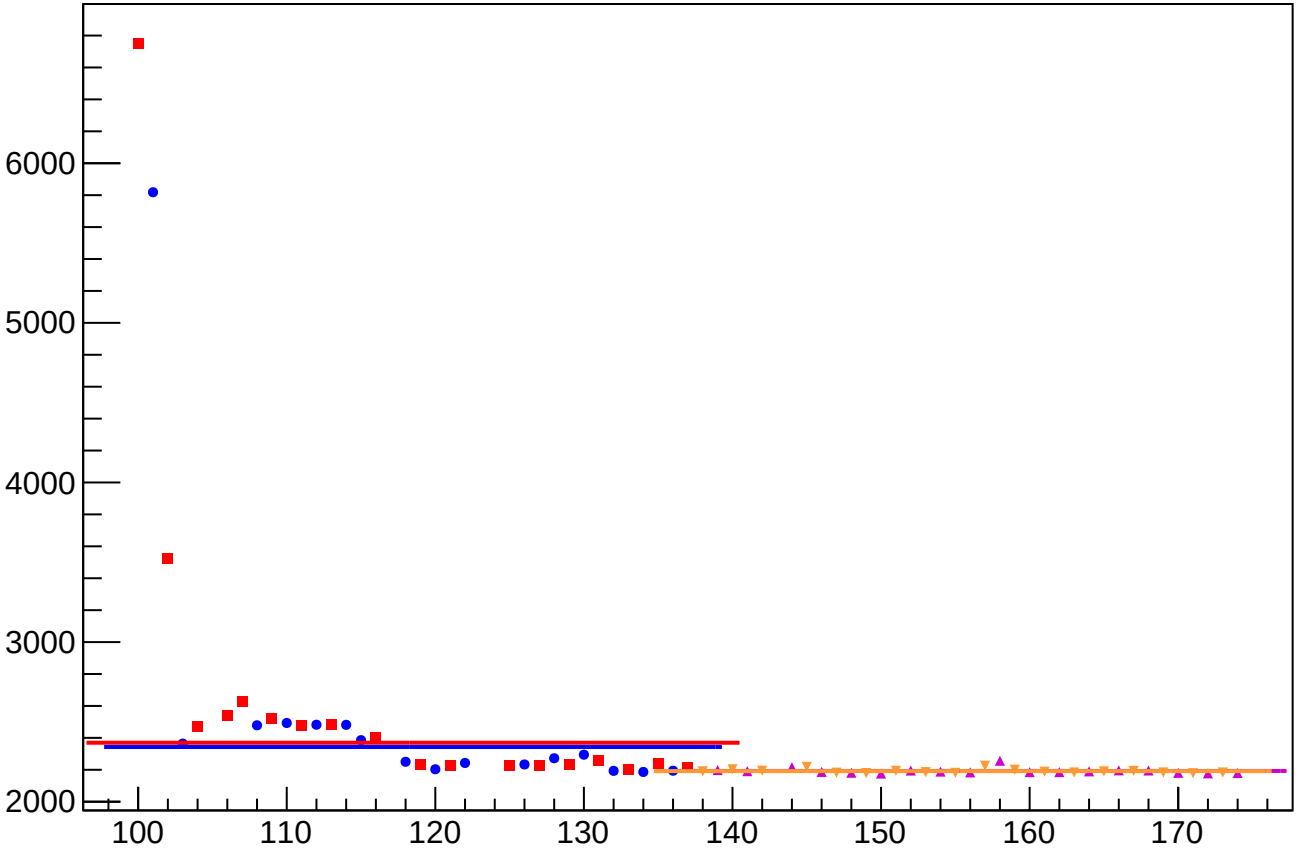
Left In: -4127.237+/-568.391 χ^2/NDF:30.1/17

+ sign 4090.321+/-486.022 χ^2/NDF: 31.8/33

All: -58.067+/-341.197 χ^2/NDF: 221.1/69

- sign -4089.187+/-479.103 χ^2/NDF: 45.7/35

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.606+/-0.411 χ^2/NDF:964.3/17

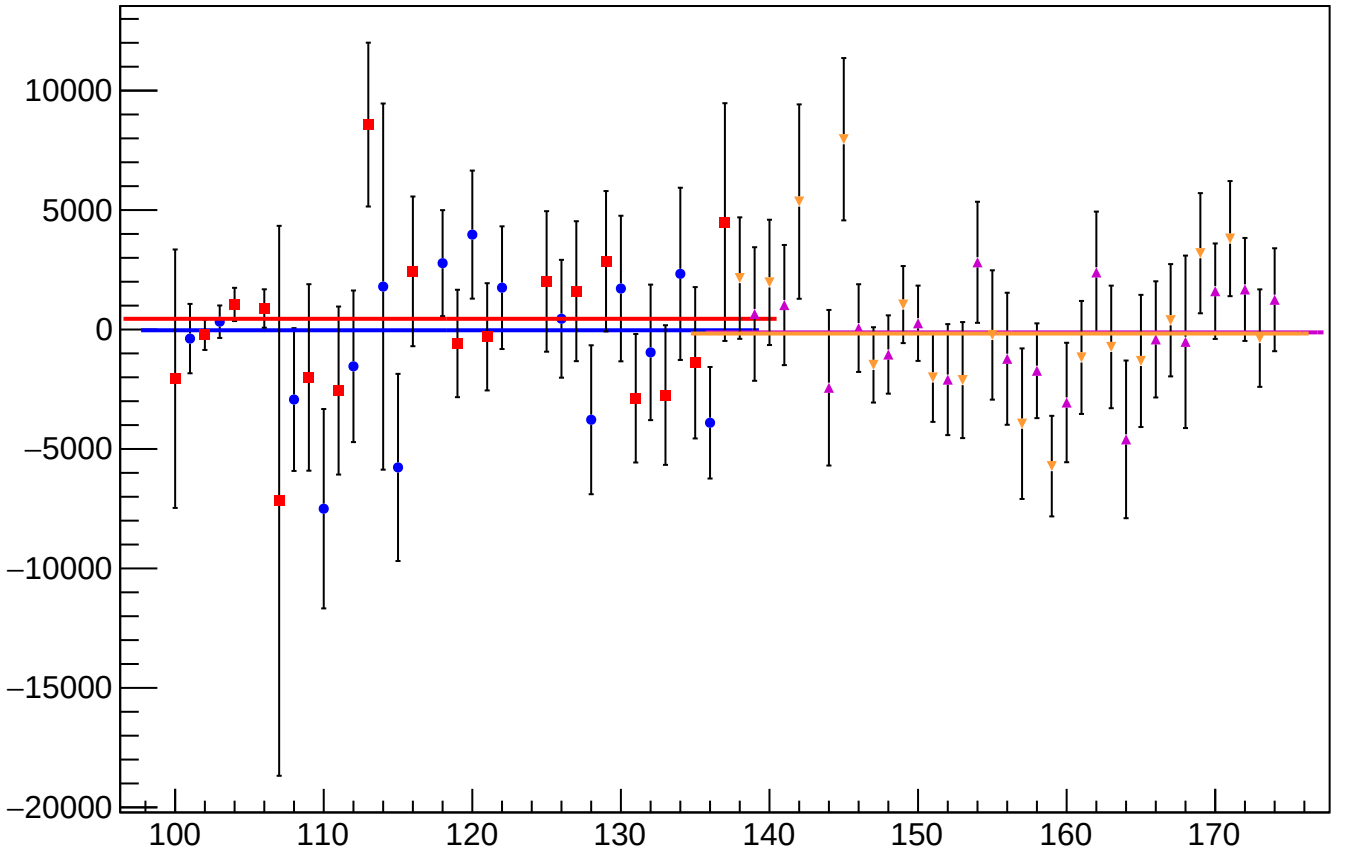
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2192.599+/-0.402 χ^2/NDF:2058.9/17

+ sign 2237.128+/-0.344 χ^2/NDF: 544603.0/33

All: 2240.528+/-0.241 χ^2/NDF: 813131.9/69

- 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: -168.019+/-544.814 χ^2/NDF:25.3/17

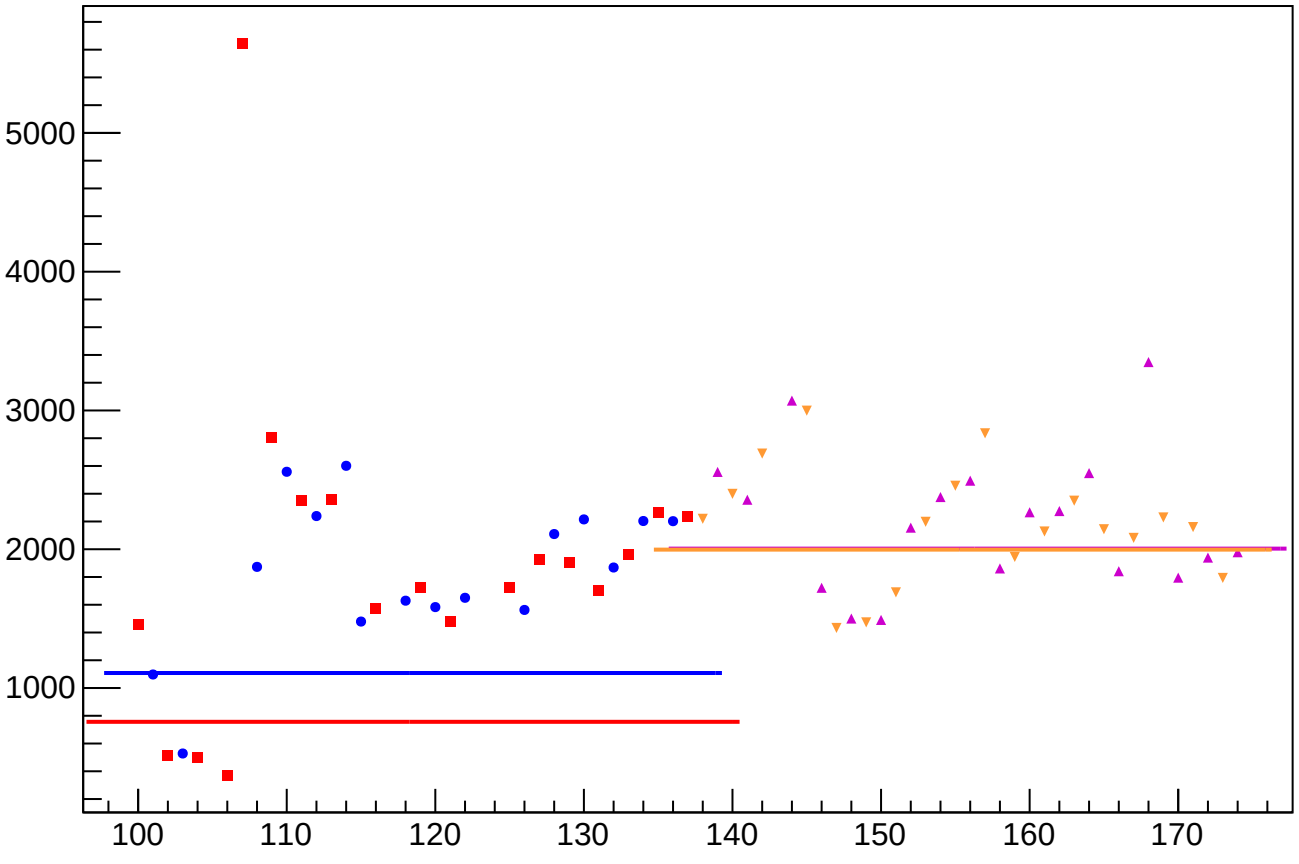
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -119.649+/-533.600 χ^2/NDF:10.1/17

+ sign -91.847+/-362.393 χ^2/NDF: 41.7/33

All: 122.257+/-231.042 χ^2/NDF: 68.2/69

- 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: 1997.285+/-0.385 χ^2/NDF:1128948.4/17

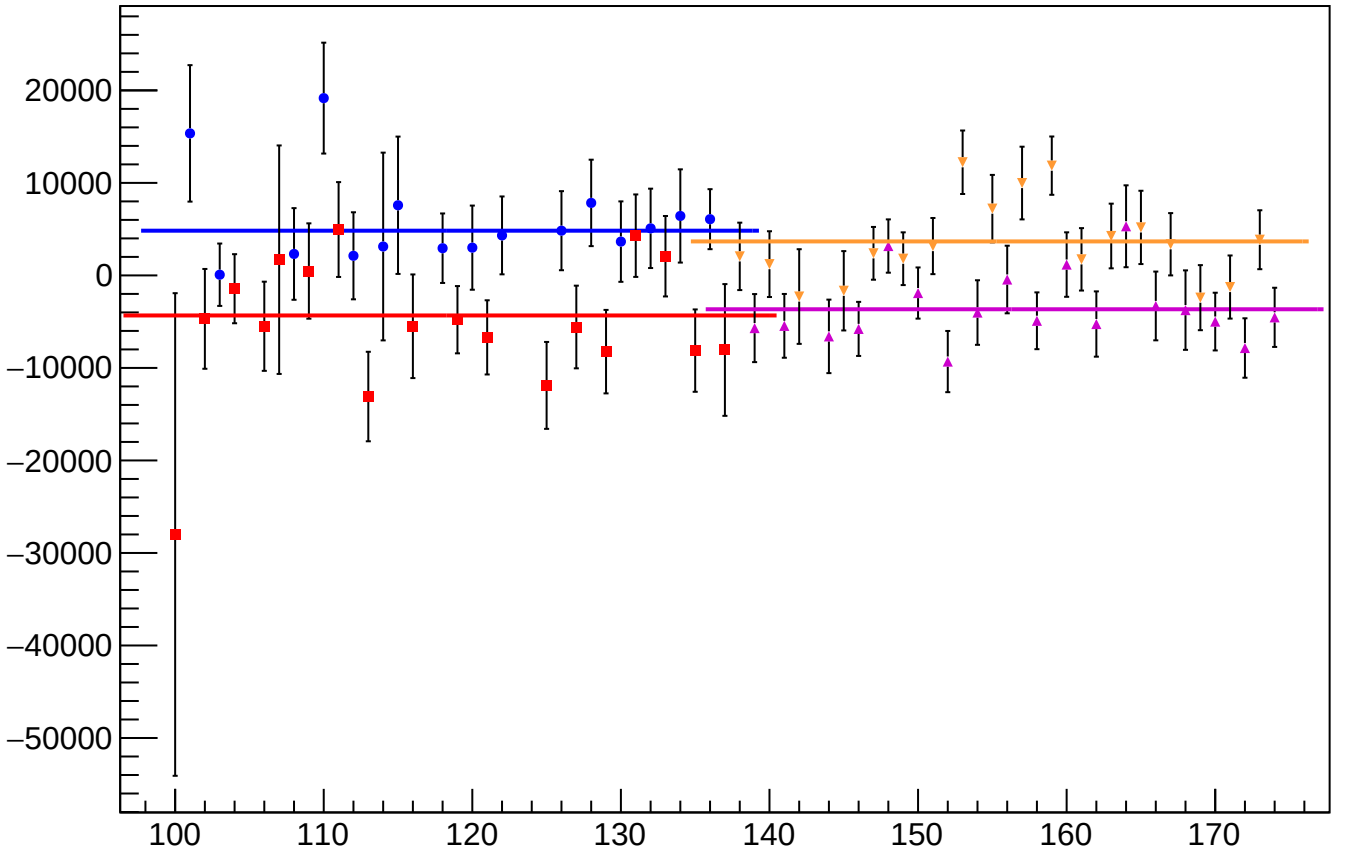
Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2004.428+/-0.377 χ^2/NDF:1315027.7/17

+ sign 1501.547+/-0.256 χ^2/NDF: 7845336.0/33

All: 1293.268+/-0.163 χ^2/NDF: 23361040.7/6

- 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: 3674.579+/-812.598 χ^2/NDF:26.3/17

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

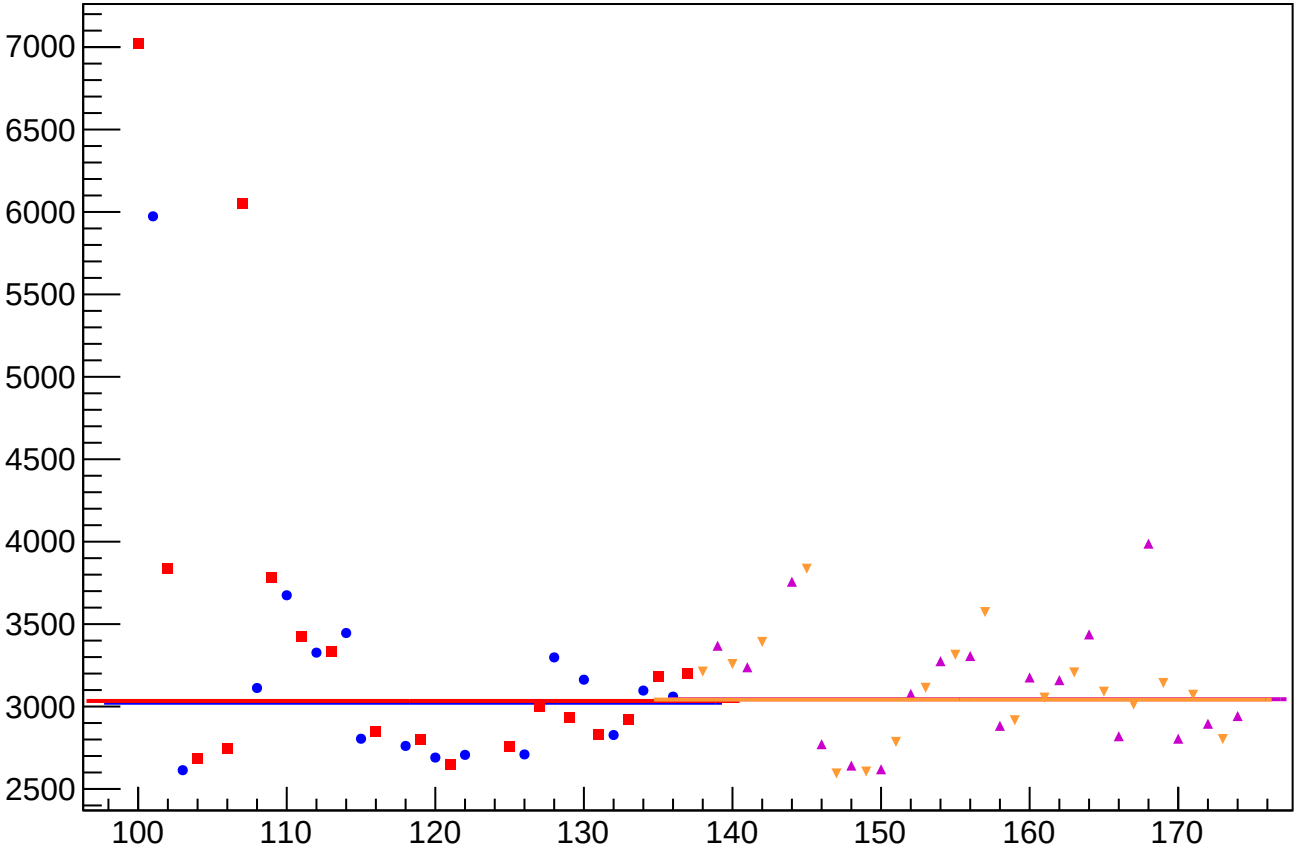
Left In: -3658.774+/-795.050 χ^2/NDF:19.7/17

+ sign 4063.985+/-662.196 χ^2/NDF: 38.7/33

All: 37.890+/-464.947 χ^2/NDF: 151.5/69

- 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: 3042.008+/-0.575 χ^2/NDF:269881.2/17

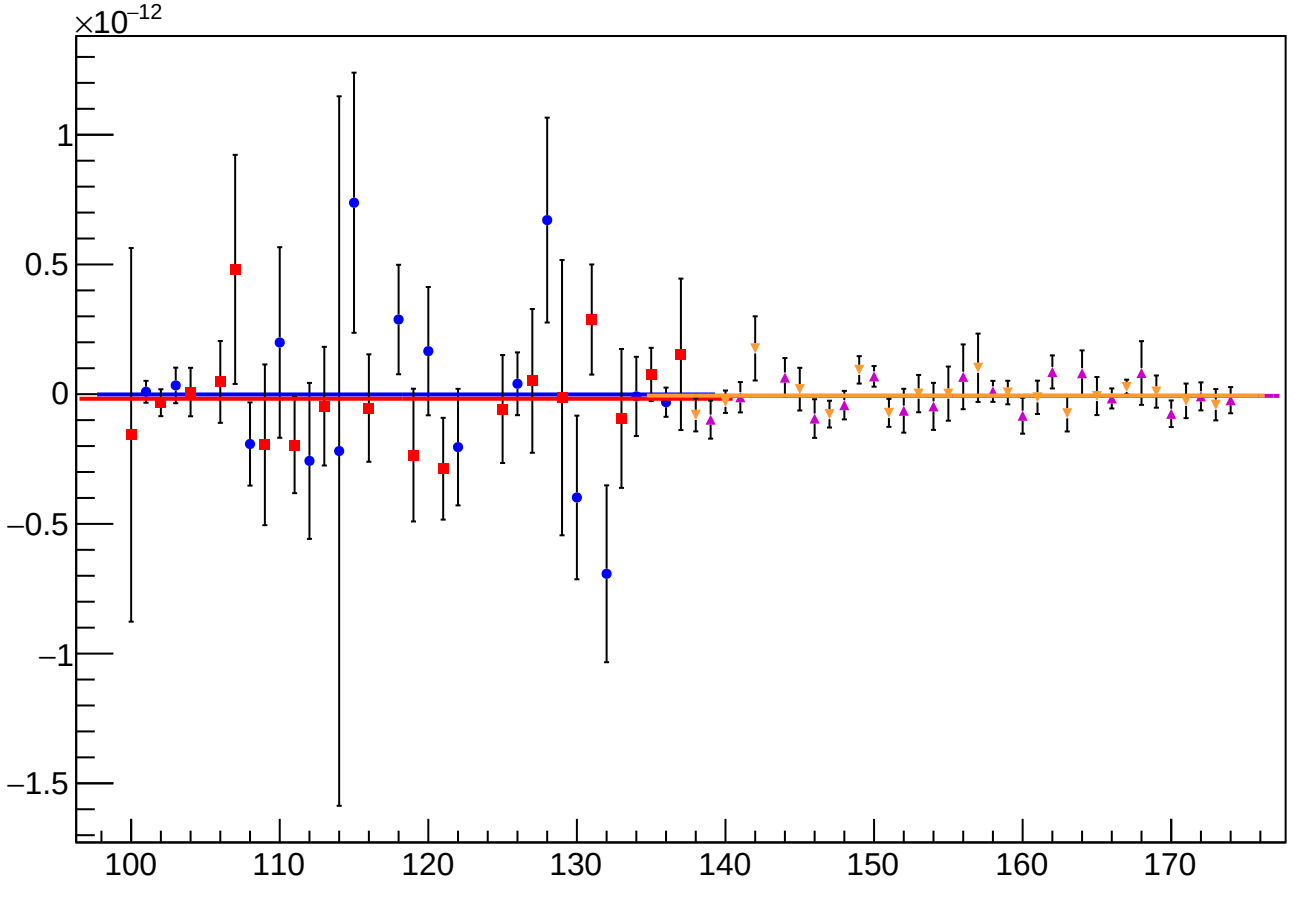
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3044.461+/-0.562 χ^2/NDF:357411.3/17

+ sign 3035.646+/-0.468 χ^2/NDF: 713952.0/33

All: 3038.367+/-0.329 χ^2/NDF: 1414220.1/69

- 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:14.4/17

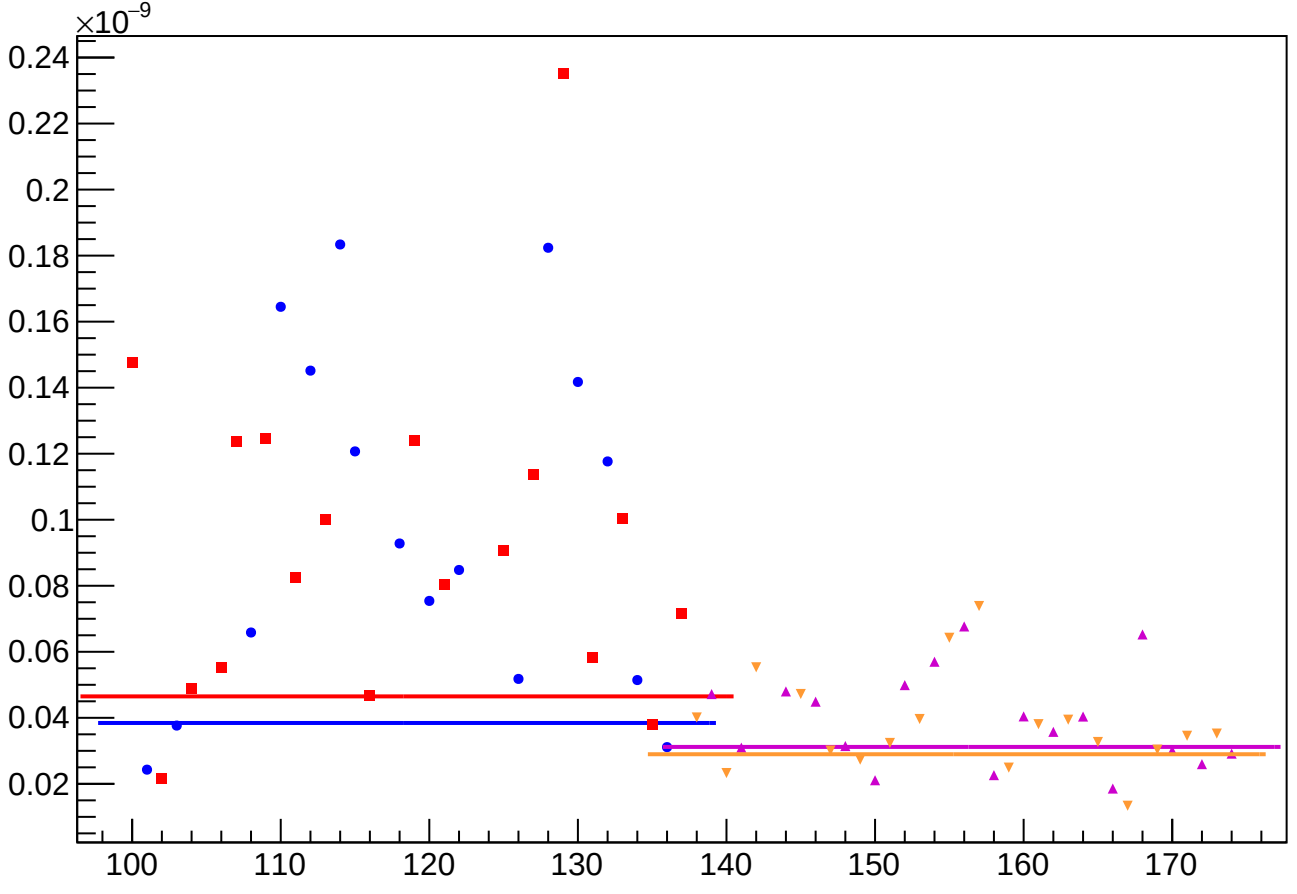
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:15.8/17

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/33

All: -0.000+/-0.000 χ^2/NDF: 56.5/69

- 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:1549325.0/17

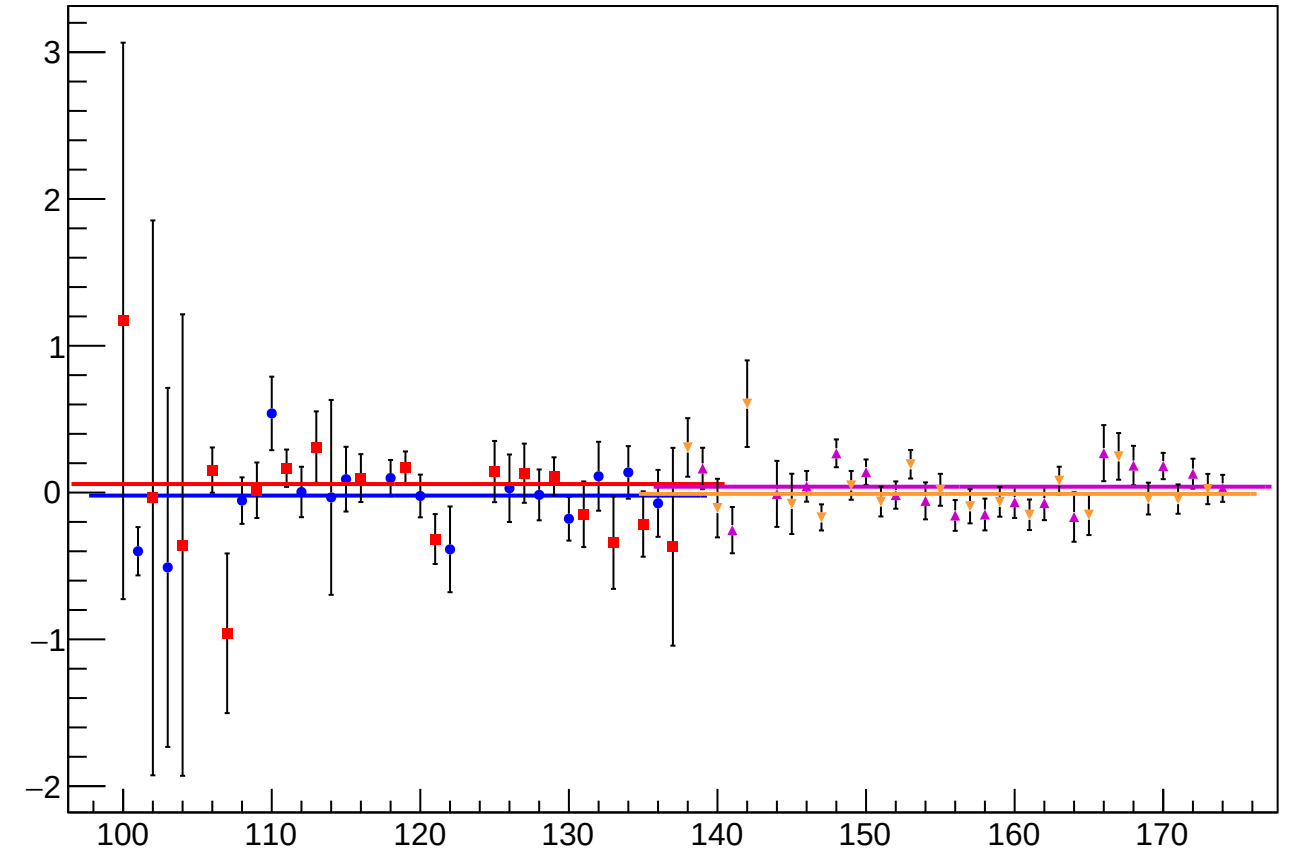
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1369633.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 3515222.5/33

All: 0.000+/-0.000 χ^2/NDF: 6960542.4/69

- 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: -0.009+/-0.027 χ^2/NDF:23.0/17

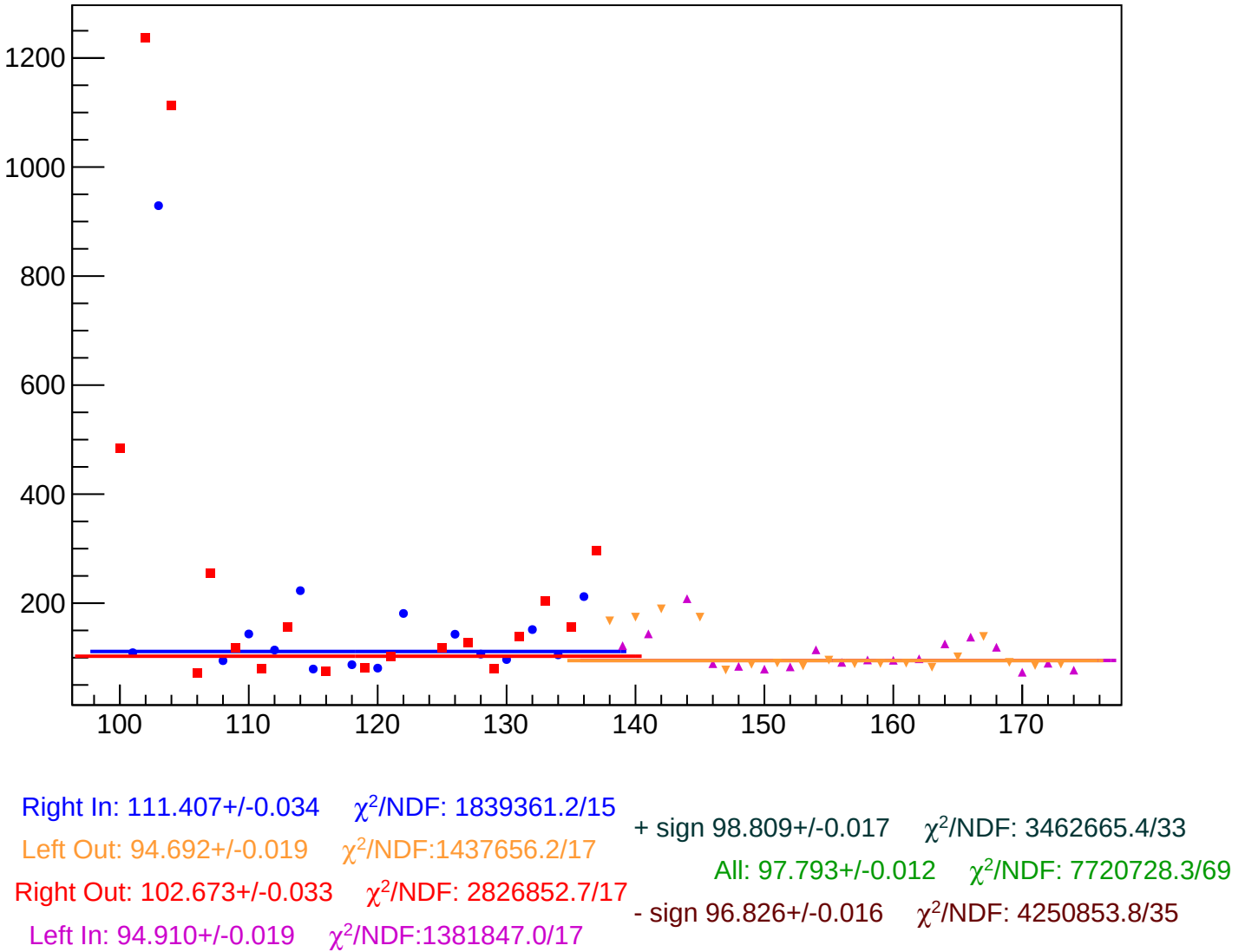
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.040+/-0.027 χ^2/NDF:28.1/17

+ sign -0.012+/-0.024 χ^2/NDF: 38.6/33

All: 0.017+/-0.017 χ^2/NDF: 86.6/69

- 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
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400
200
100
110
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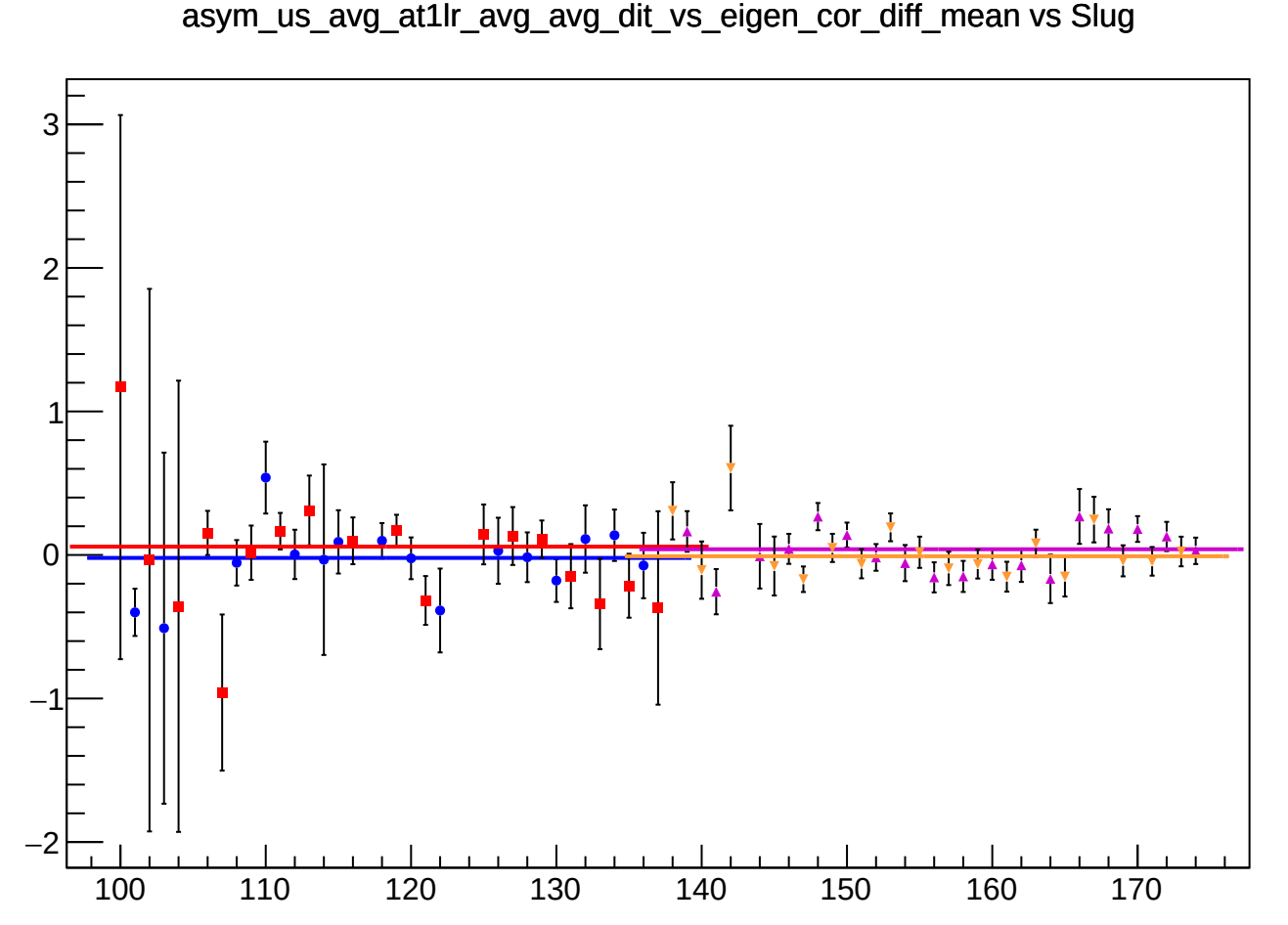
140
150
160
170
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 94.692+/-0.019 χ²/NDF:1437656.2/17
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 94.910+/-0.019 χ²/NDF:1381847.0/17
+ sign 98.809+/-0.017 χ²/NDF: 3462665.4/33
All: 97.793+/-0.012 χ²/NDF: 7720728.3/69
- sign 96.826+/-0.016 χ²/NDF: 4250853.8/35



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.009+/-0.027 χ^2/NDF:23.0/17

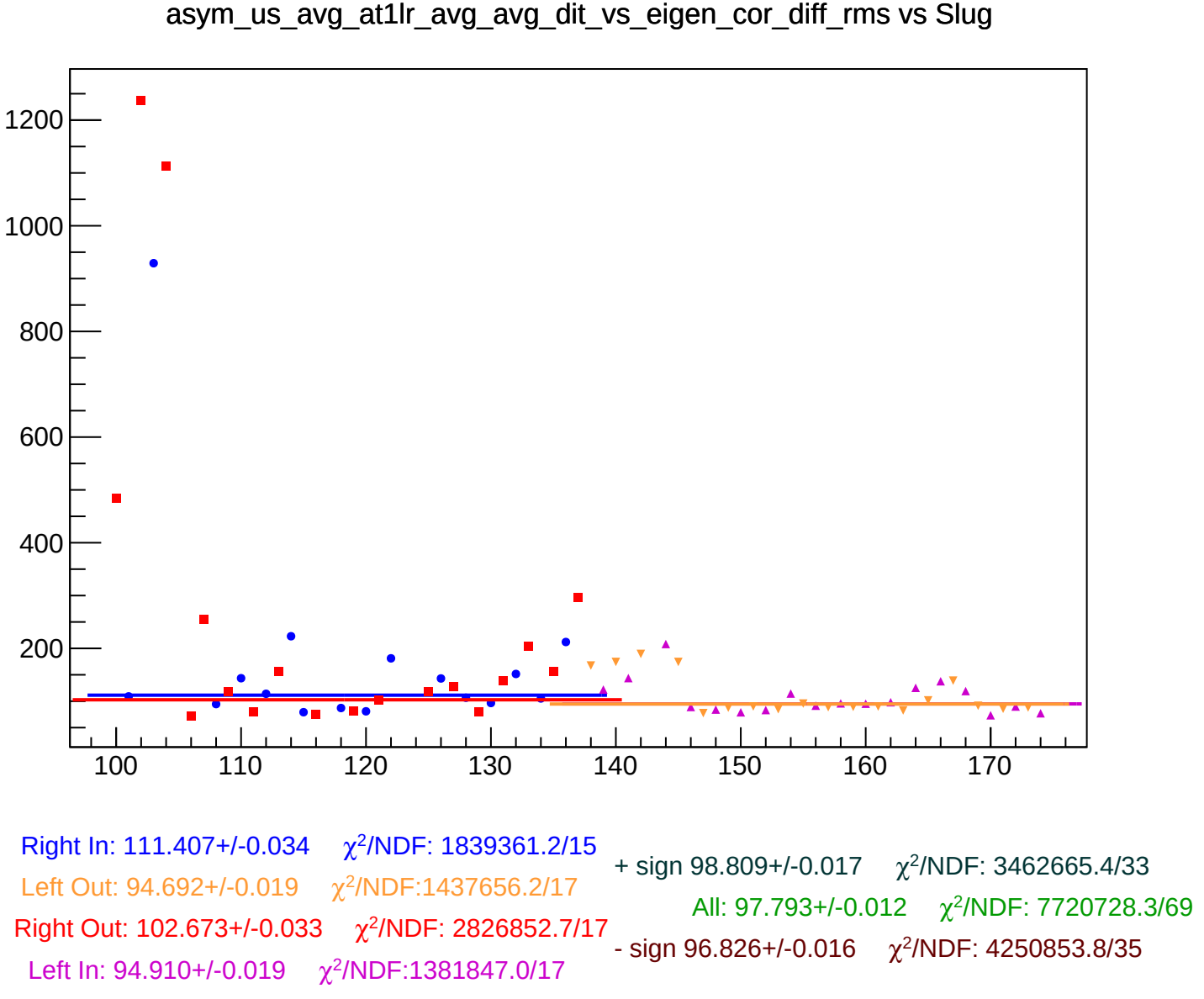
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.040+/-0.027 χ^2/NDF:28.1/17

\+ sign -0.012+/-0.024 χ^2/NDF: 38.6/33

All: 0.017+/-0.017 χ^2/NDF: 86.6/69

\- 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
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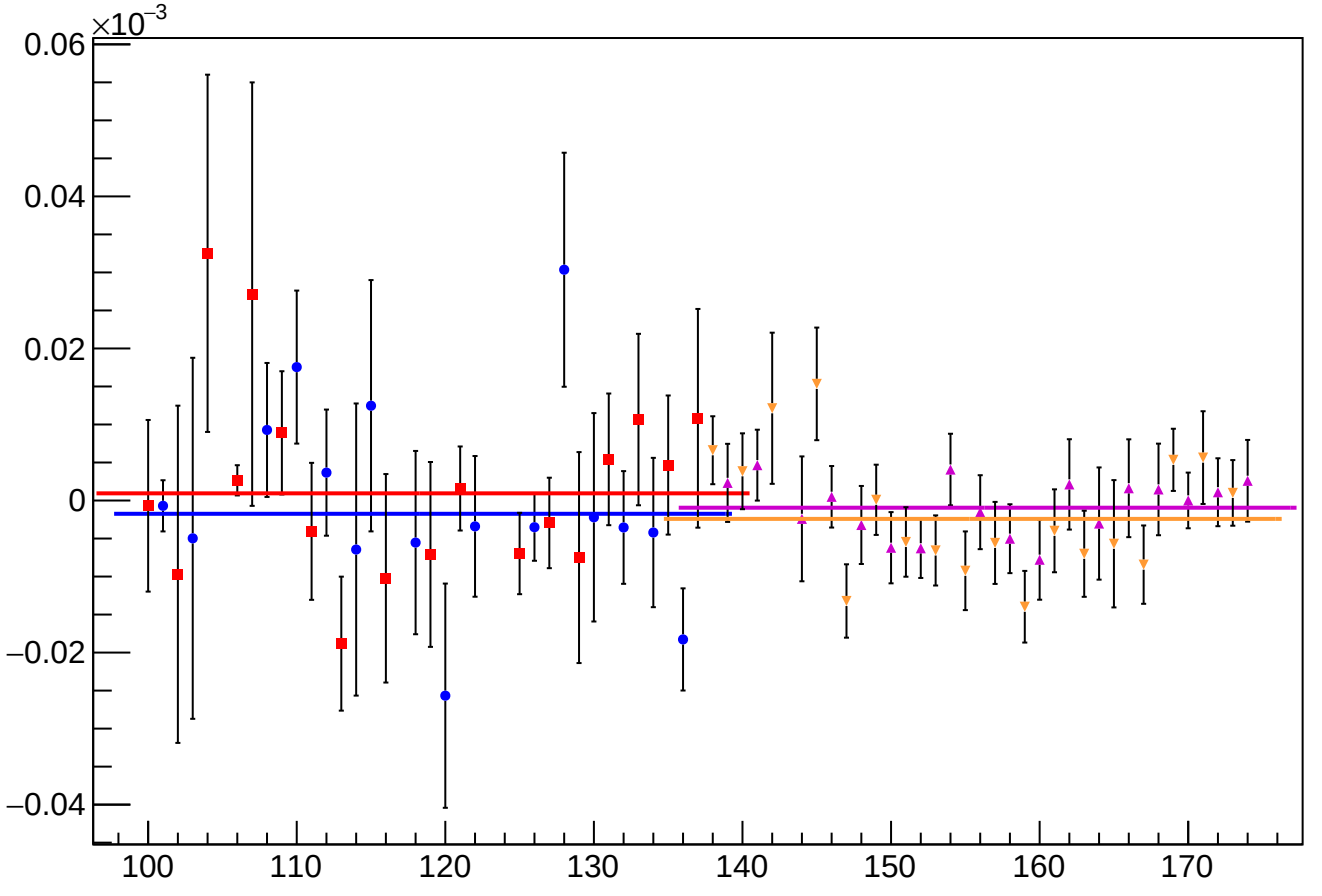
150
160
170
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 94.692+/-0.019 χ²/NDF:1437656.2/17
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 94.910+/-0.019 χ²/NDF:1381847.0/17
+ sign 98.809+/-0.017 χ²/NDF: 3462665.4/33
All: 97.793+/-0.012 χ²/NDF: 7720728.3/69
- sign 96.826+/-0.016 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:36.4/17

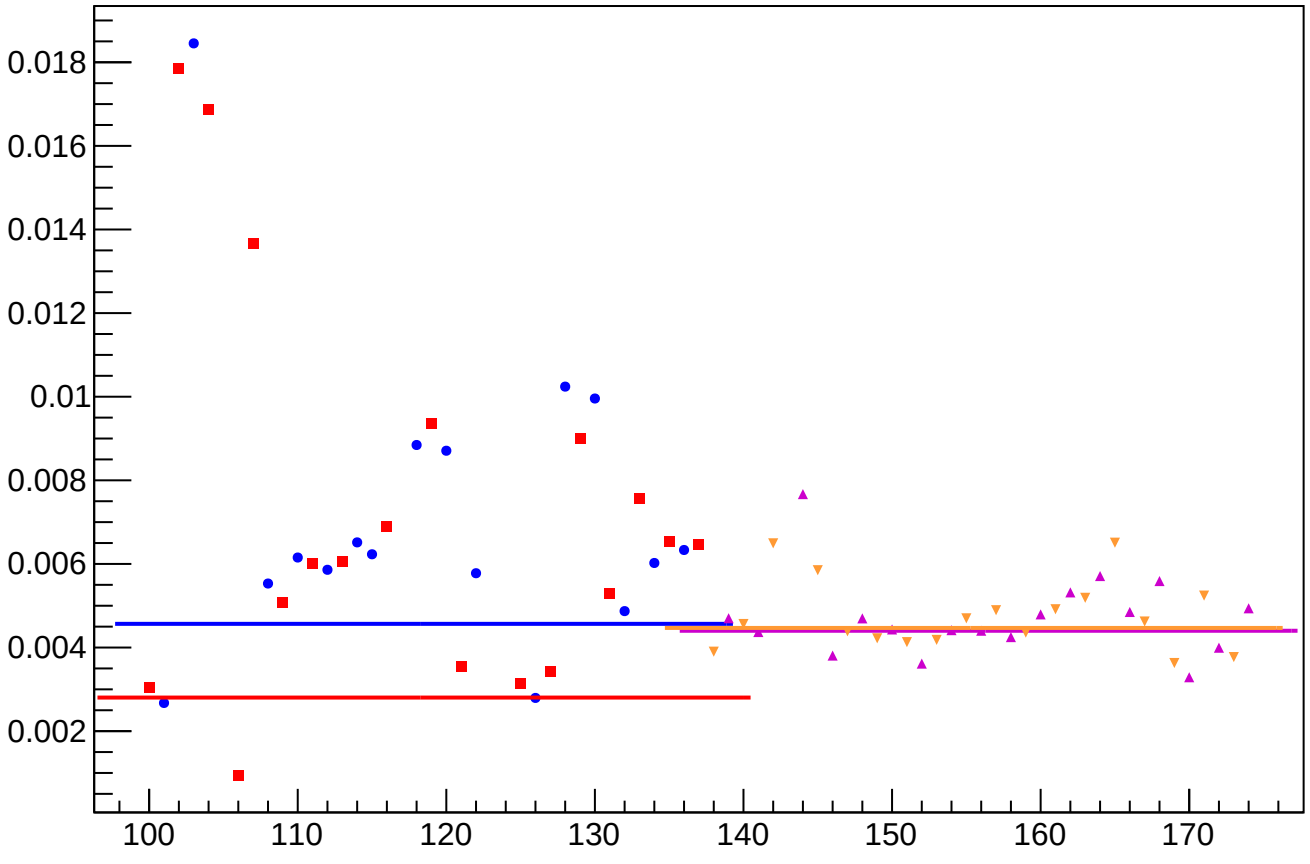
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:10.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 56.6/33

All: -0.000+/-0.000 χ^2/NDF: 85.8/69

- 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:562748.5/17

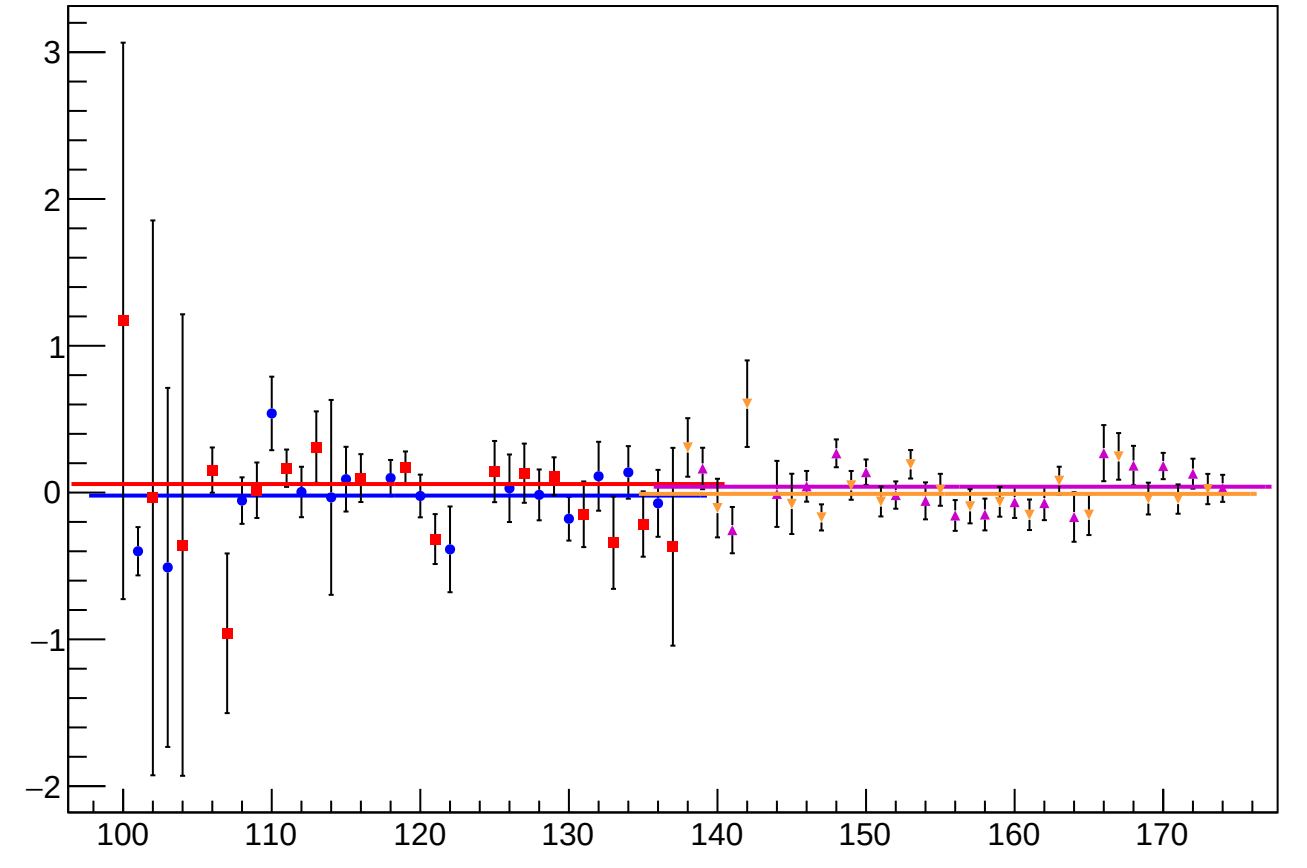
Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:887090.9/17

+ sign 0.004+/-0.000 χ^2/NDF: 3578695.9/33

All: 0.004+/-0.000 χ^2/NDF: 13046604.8/69

- sign 0.004+/-0.000 χ^2/NDF: 8940545.9/35



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.009+/-0.027 χ^2/NDF:23.0/17

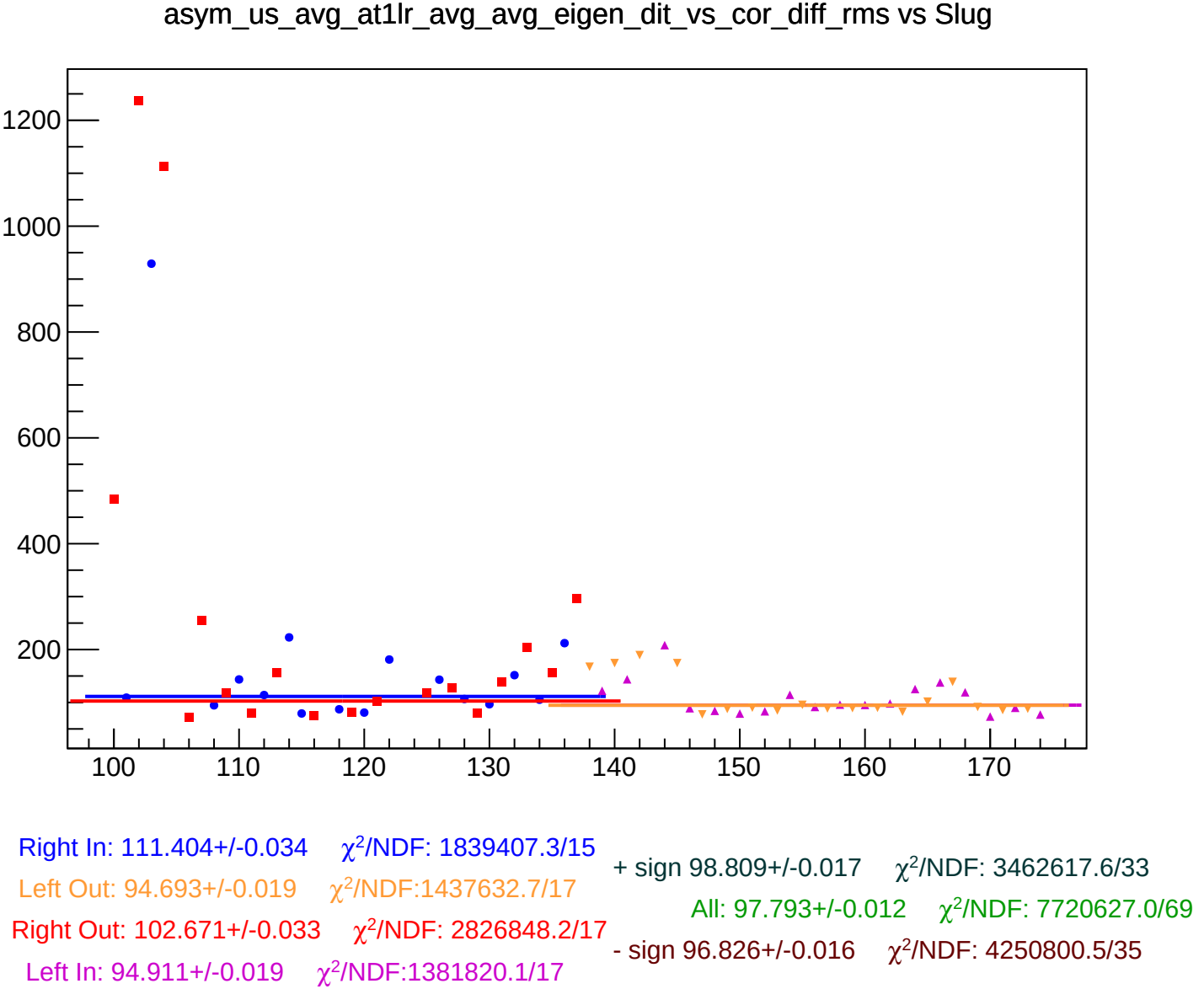
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.040+/-0.027 χ^2/NDF:28.1/17

+ sign -0.012+/-0.024 χ^2/NDF: 38.6/33

All: 0.017+/-0.017 χ^2/NDF: 86.6/69

- 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
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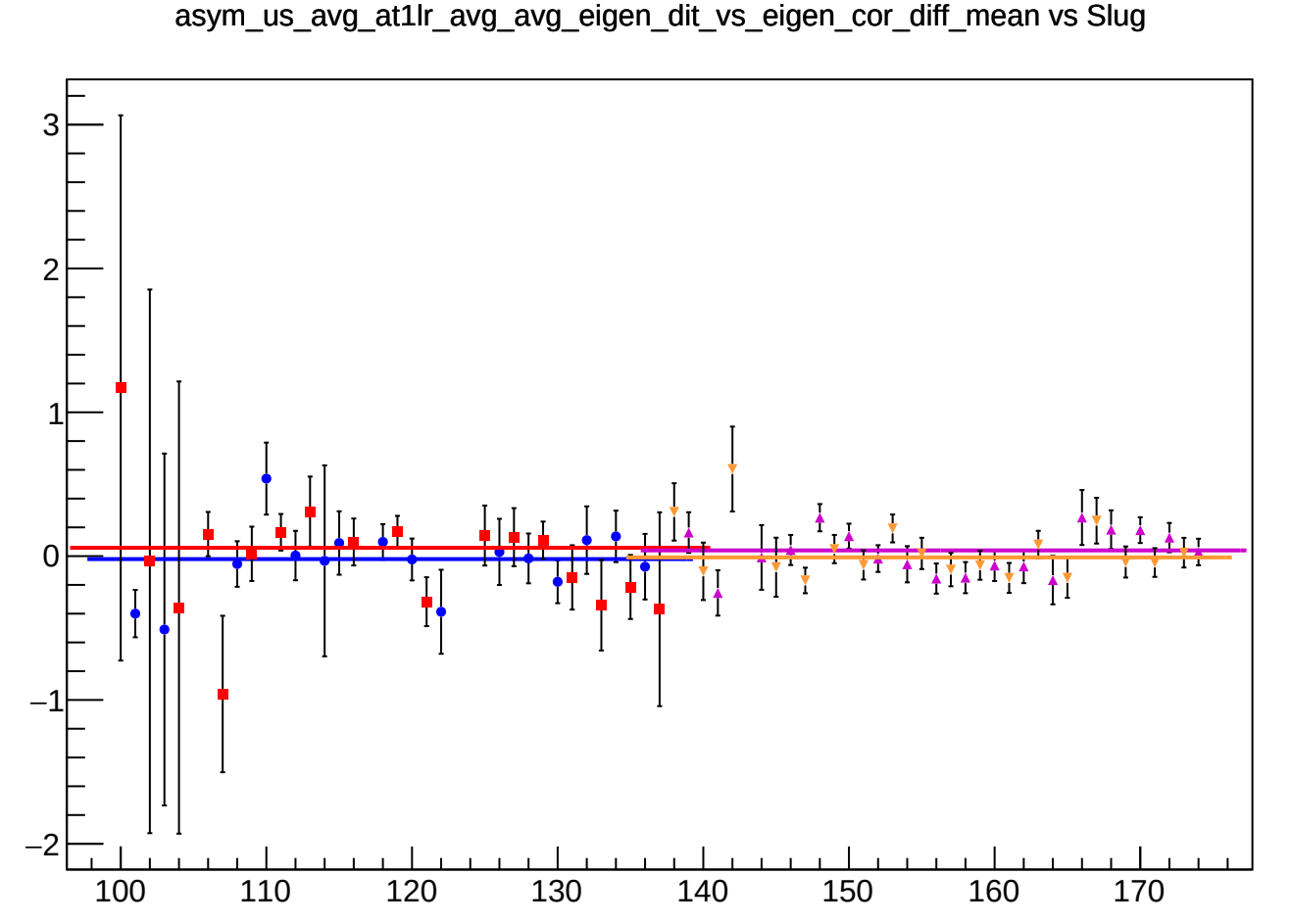
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 94.693+/-0.019 χ²/NDF:1437632.7/17
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 94.911+/-0.019 χ²/NDF:1381820.1/17
+ sign 98.809+/-0.017 χ²/NDF: 3462617.6/33
All: 97.793+/-0.012 χ²/NDF: 7720627.0/69
- sign 96.826+/-0.016 χ²/NDF: 4250800.5/35



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.009+/-0.027 χ^2/NDF:23.0/17

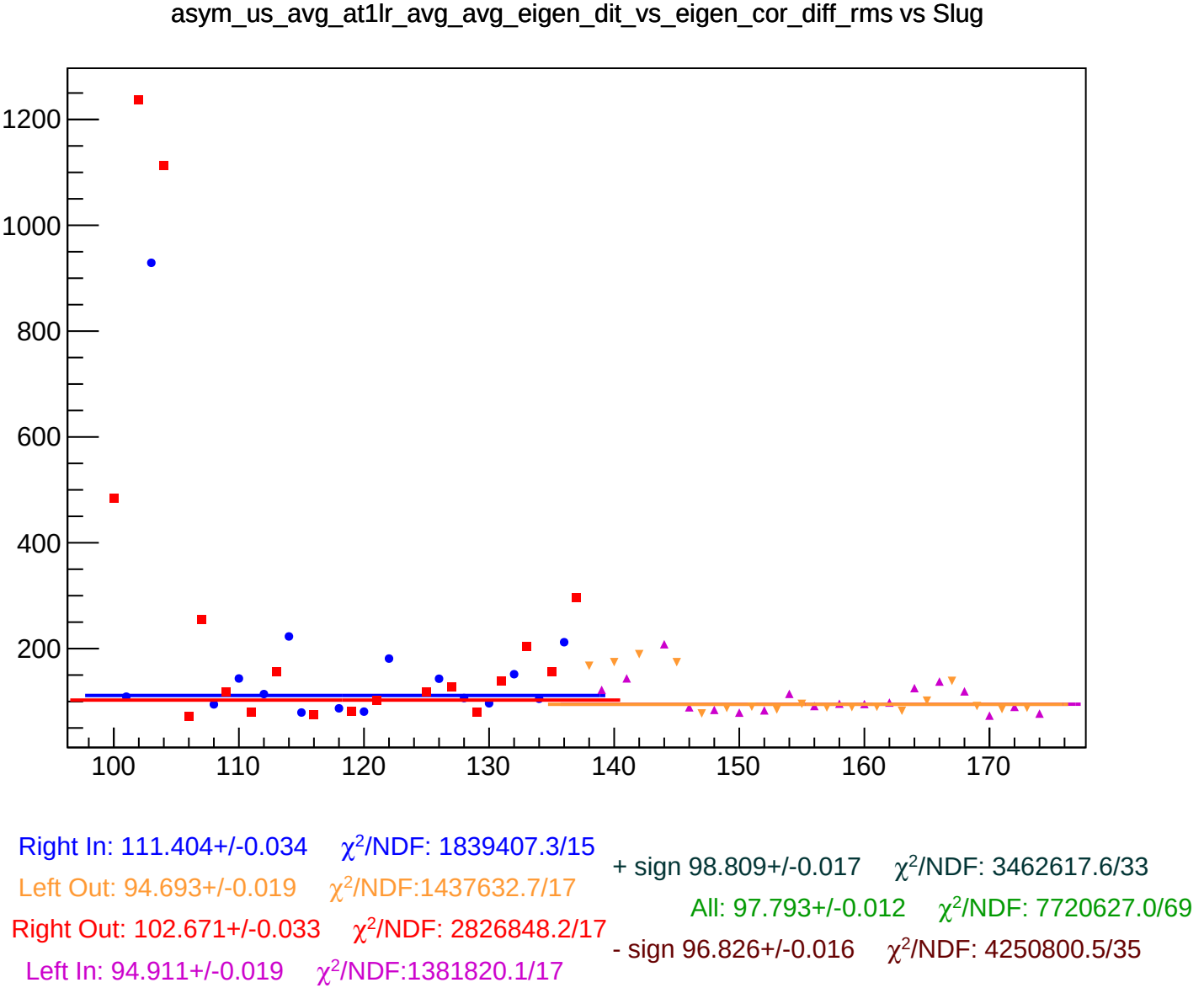
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

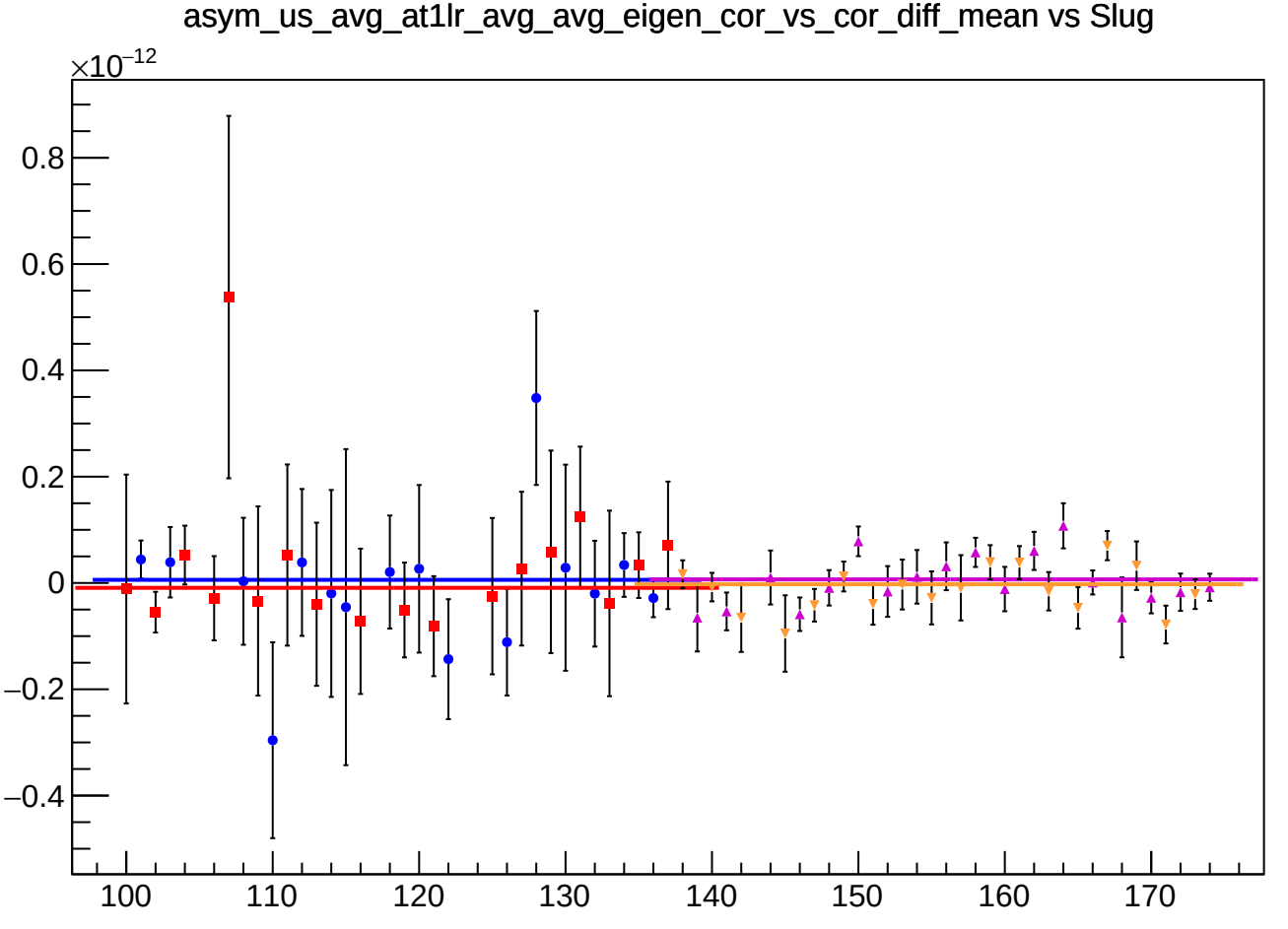
Left In: 0.040+/-0.027 χ^2/NDF:28.1/17

+ sign -0.012+/-0.024 χ^2/NDF: 38.6/33

All: 0.017+/-0.017 χ^2/NDF: 86.6/69

- 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
100
110
120
130
140
150
160
170
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 94.693+/-0.019 χ²/NDF:1437632.7/17
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 94.911+/-0.019 χ²/NDF:1381820.1/17
+ sign 98.809+/-0.017 χ²/NDF: 3462617.6/33
All: 97.793+/-0.012 χ²/NDF: 7720627.0/69
- 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:23.7/17

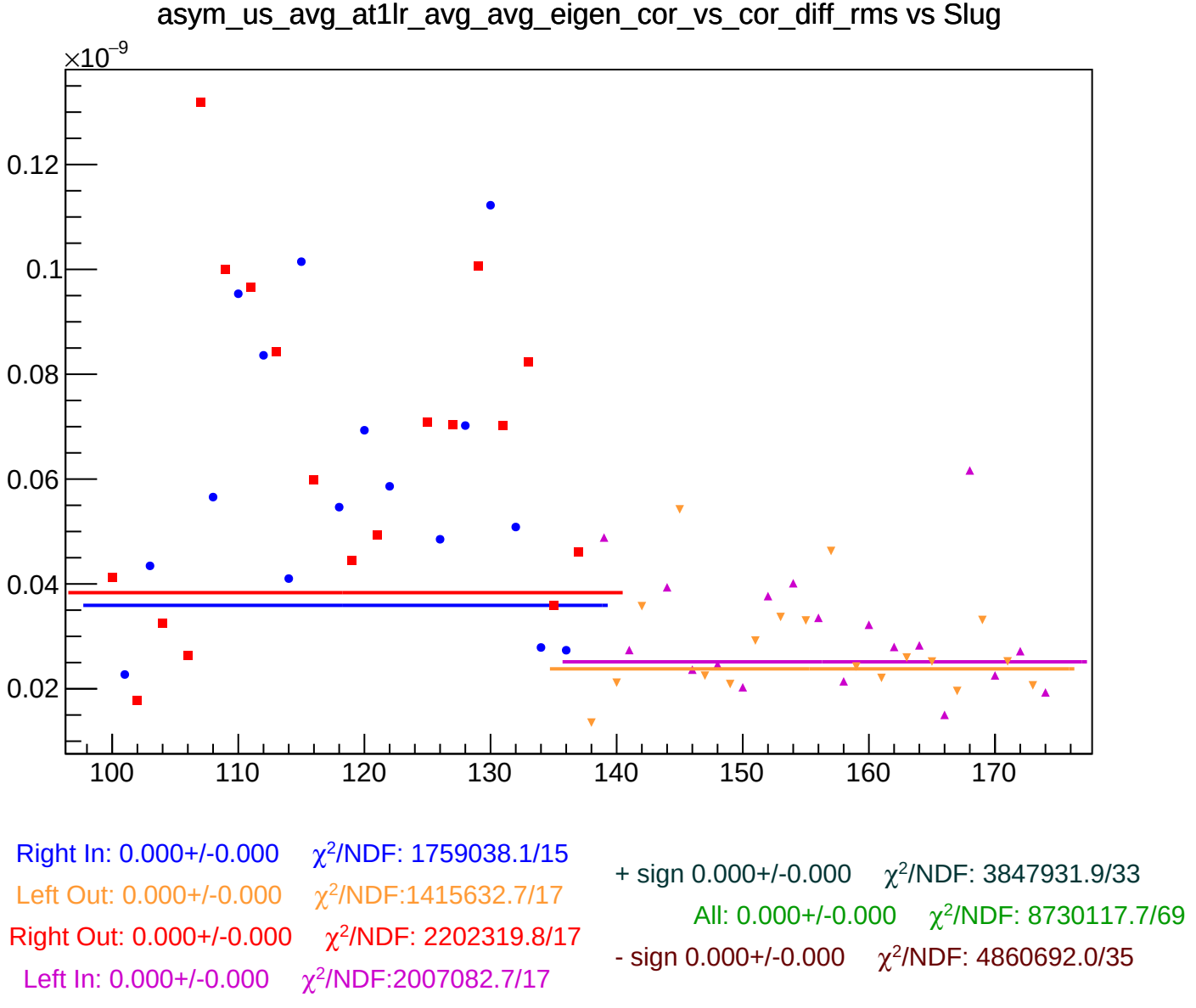
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:30.5/17

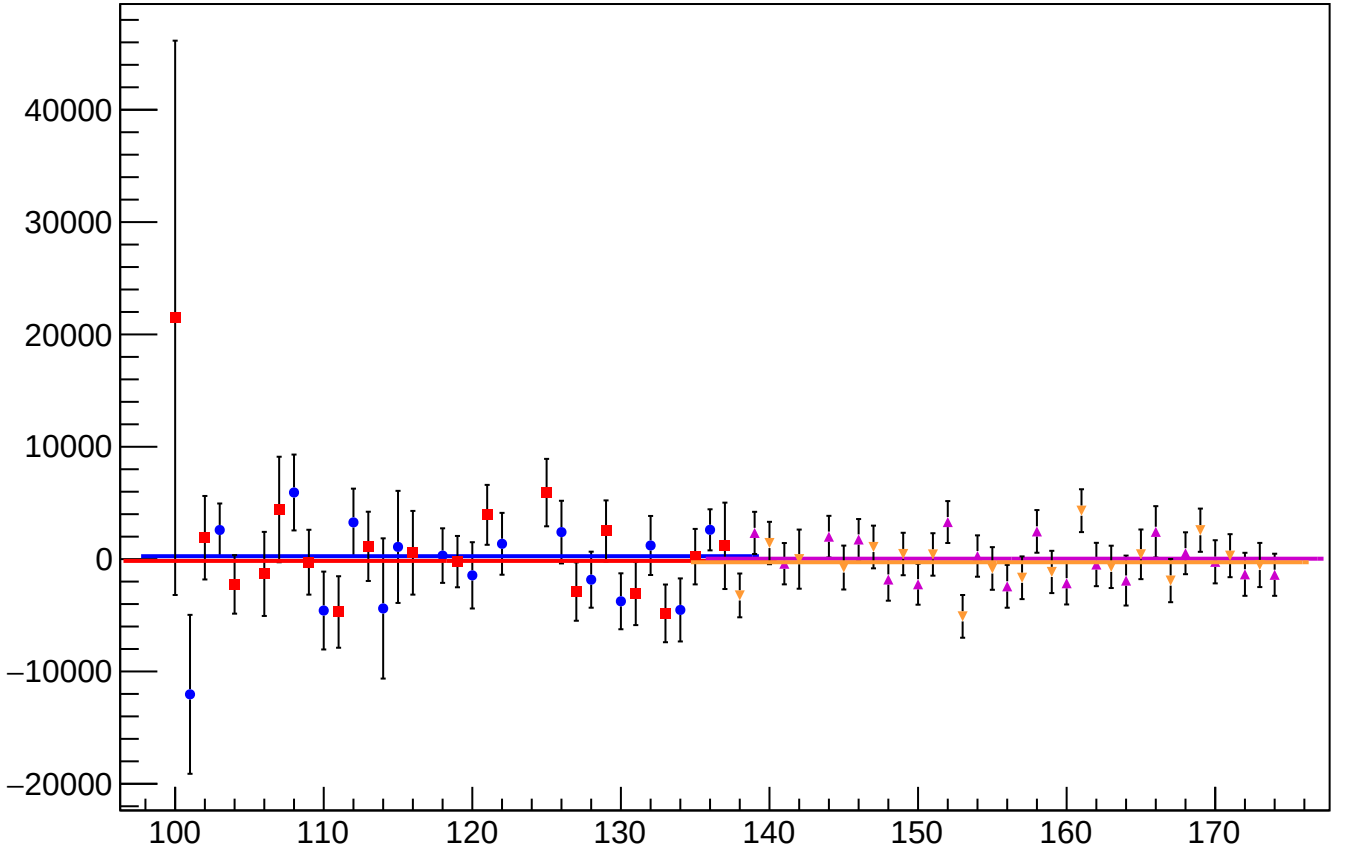
+ sign -0.000+/-0.000 χ^2/NDF: 36.7/33

All: 0.000+/-0.000 χ^2/NDF: 76.6/69

- 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:1415632.7/17
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: 3847931.9/33
All: 0.000+/-0.000 χ²/NDF: 8730117.7/69
- 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: -278.135+/-459.625 χ^2/NDF:20.2/17

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

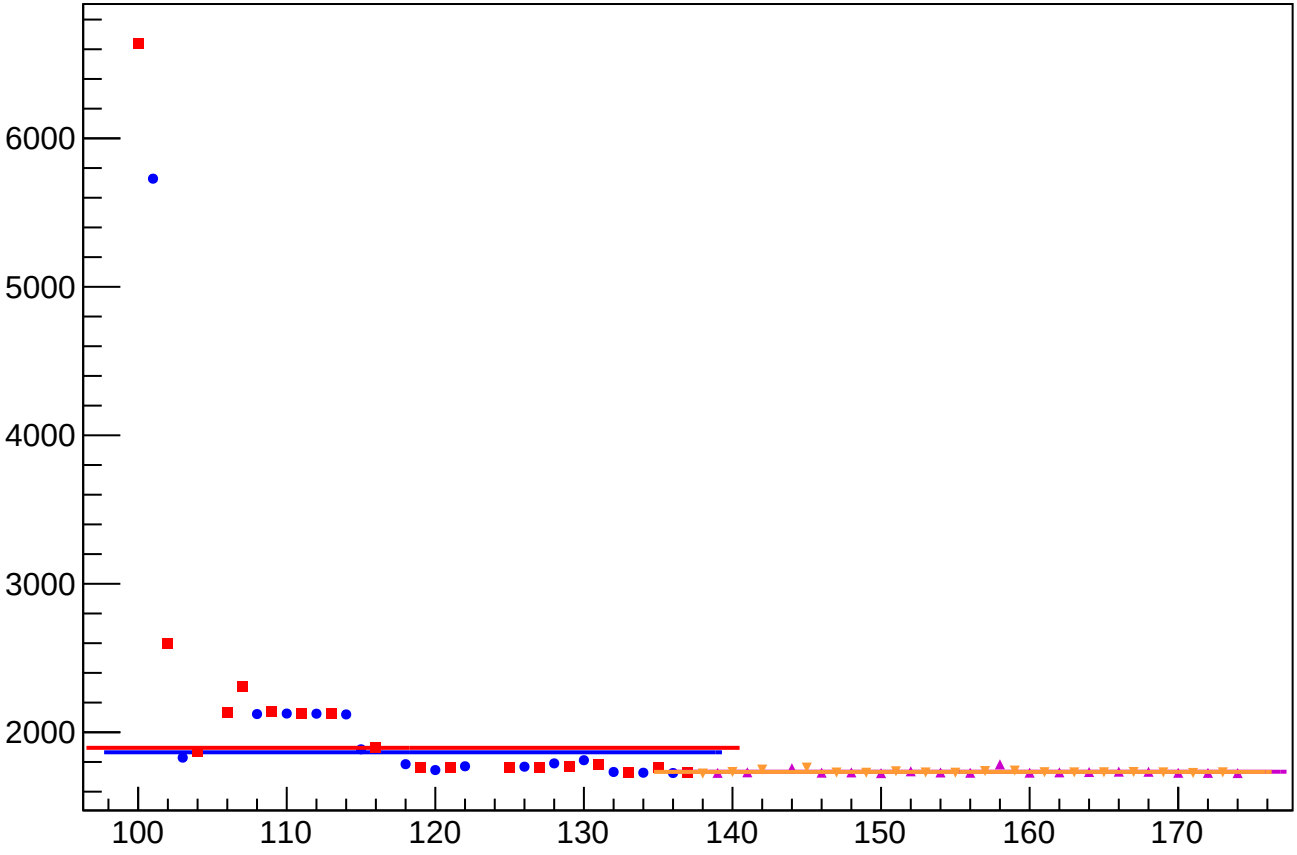
Left In: 37.433+/-449.559 χ^2/NDF:16.9/17

\+ sign -119.268+/-385.786 χ^2/NDF: 40.0/33

All: -68.205+/-270.786 χ^2/NDF: 75.1/69

\- 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: 1733.118+/-0.325 χ^2/NDF:744.2/17

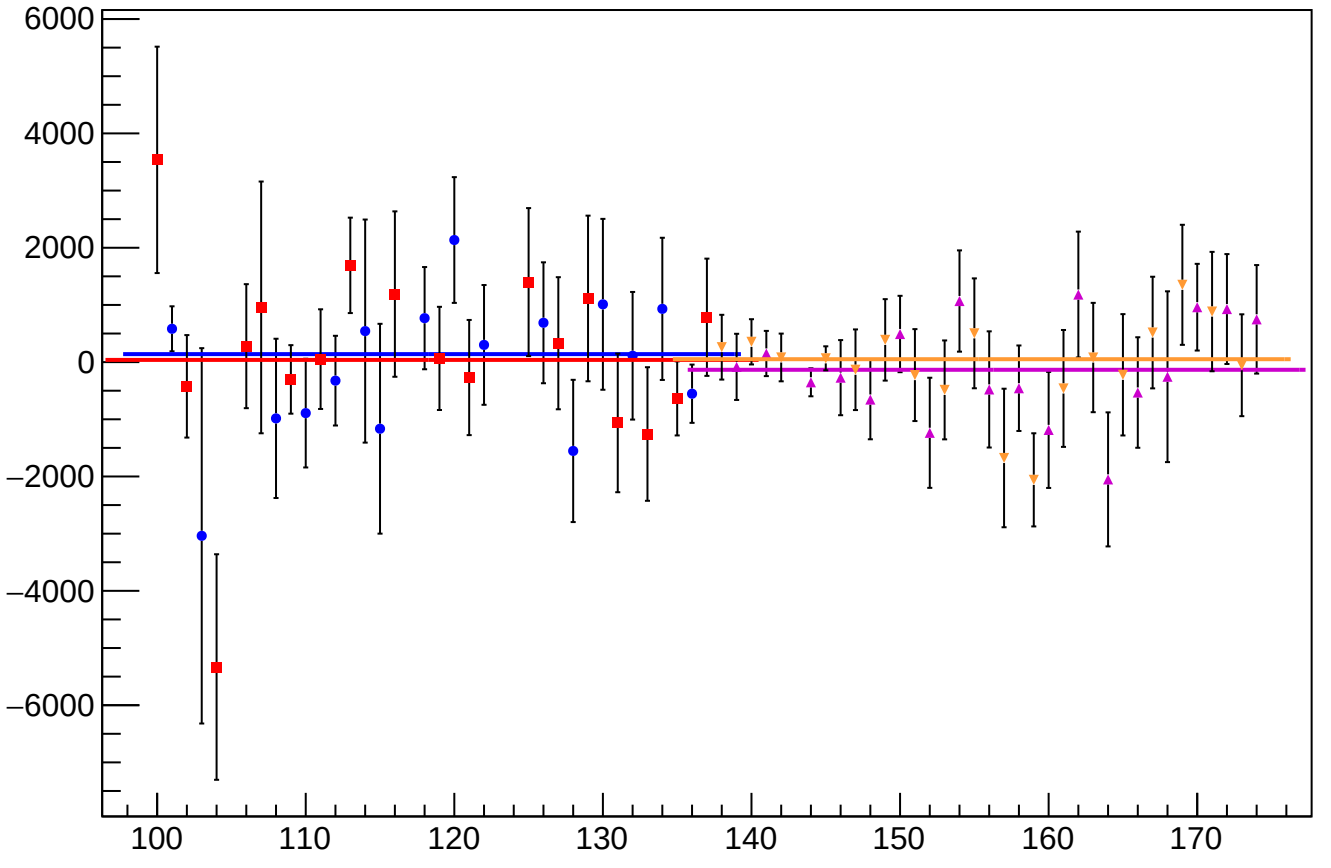
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.272+/-0.318 χ^2/NDF:2006.9/17

+ sign 1772.138+/-0.273 χ^2/NDF: 722250.7/33

All: 1776.191+/-0.191 χ^2/NDF: 1048548.2/69

- 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: 51.096+/-134.651 χ^2/NDF:13.2/17

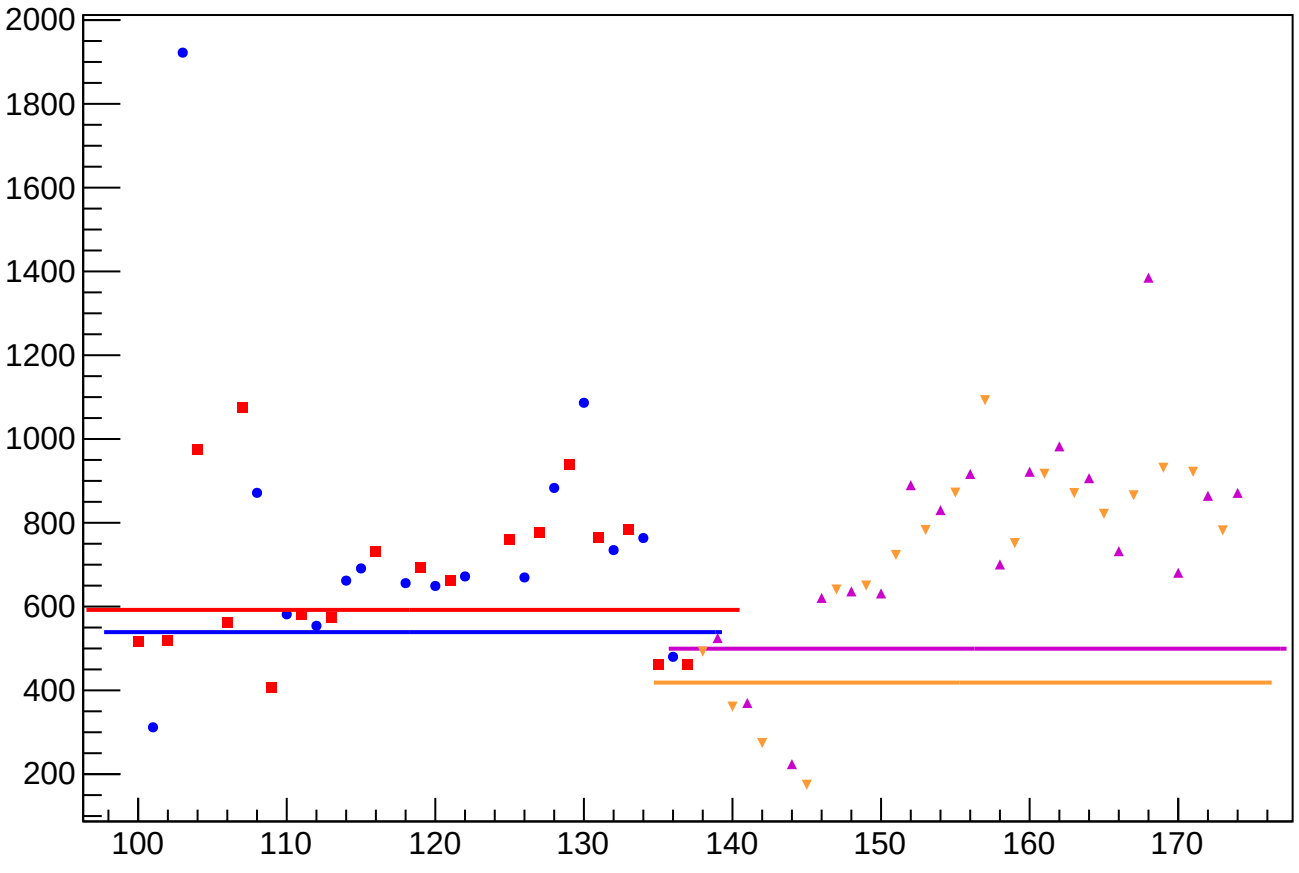
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -134.095+/-147.828 χ^2/NDF:15.8/17

+ sign 75.253+/-114.861 χ^2/NDF: 26.8/33

All: 1.784+/-84.766 χ^2/NDF: 65.3/69

- 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: 418.551+/-0.095 χ^2/NDF:8369176.5/17

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

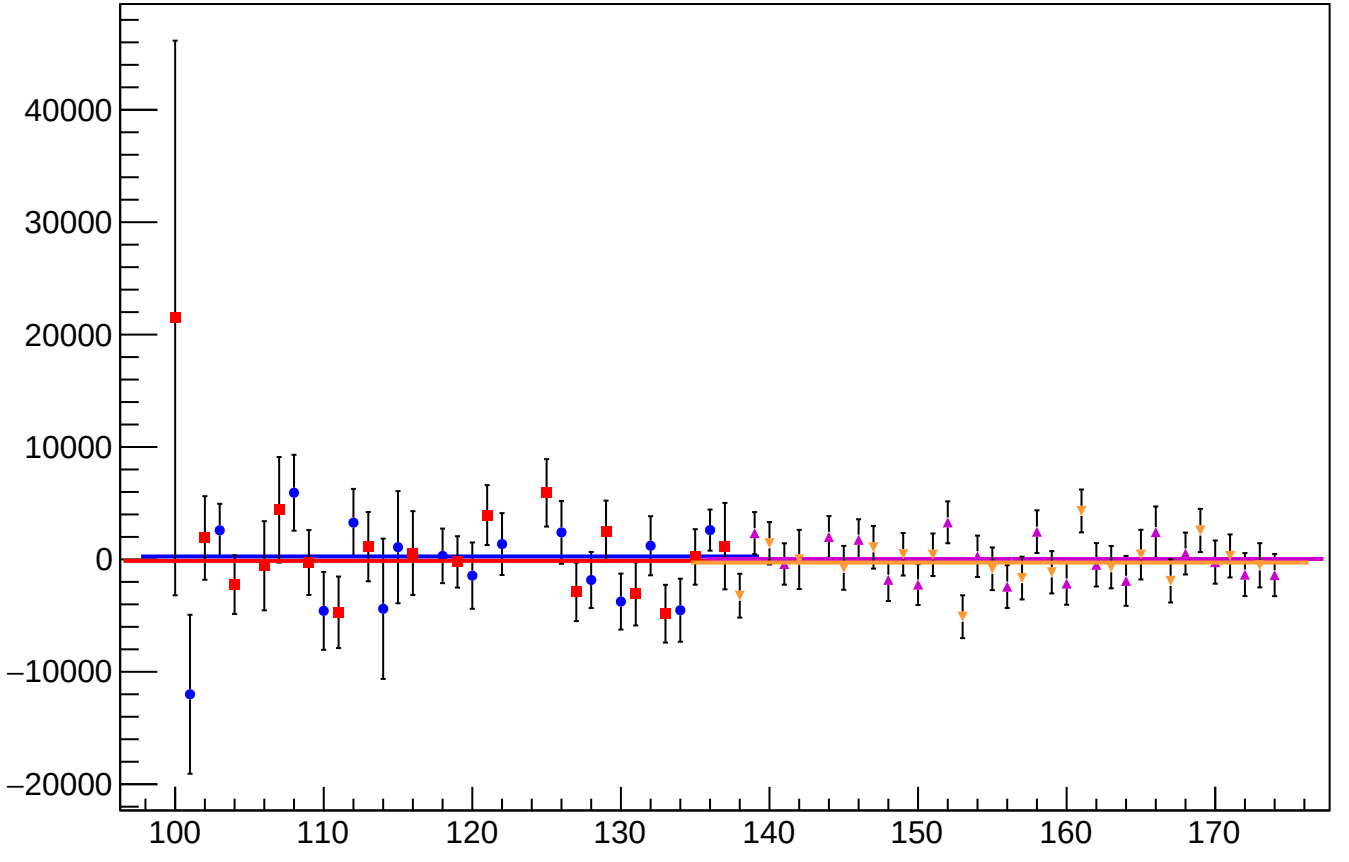
Left In: 499.487+/-0.105 χ^2/NDF:6563912.1/17

+ sign 451.358+/-0.081 χ^2/NDF: 10659709.3/33

All: 484.998+/-0.060 χ^2/NDF: 18661615.1/69

- sign 525.231+/-0.089 χ^2/NDF: 7625180.4/35

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -278.103+/-459.625 χ^2/NDF:20.2/17

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

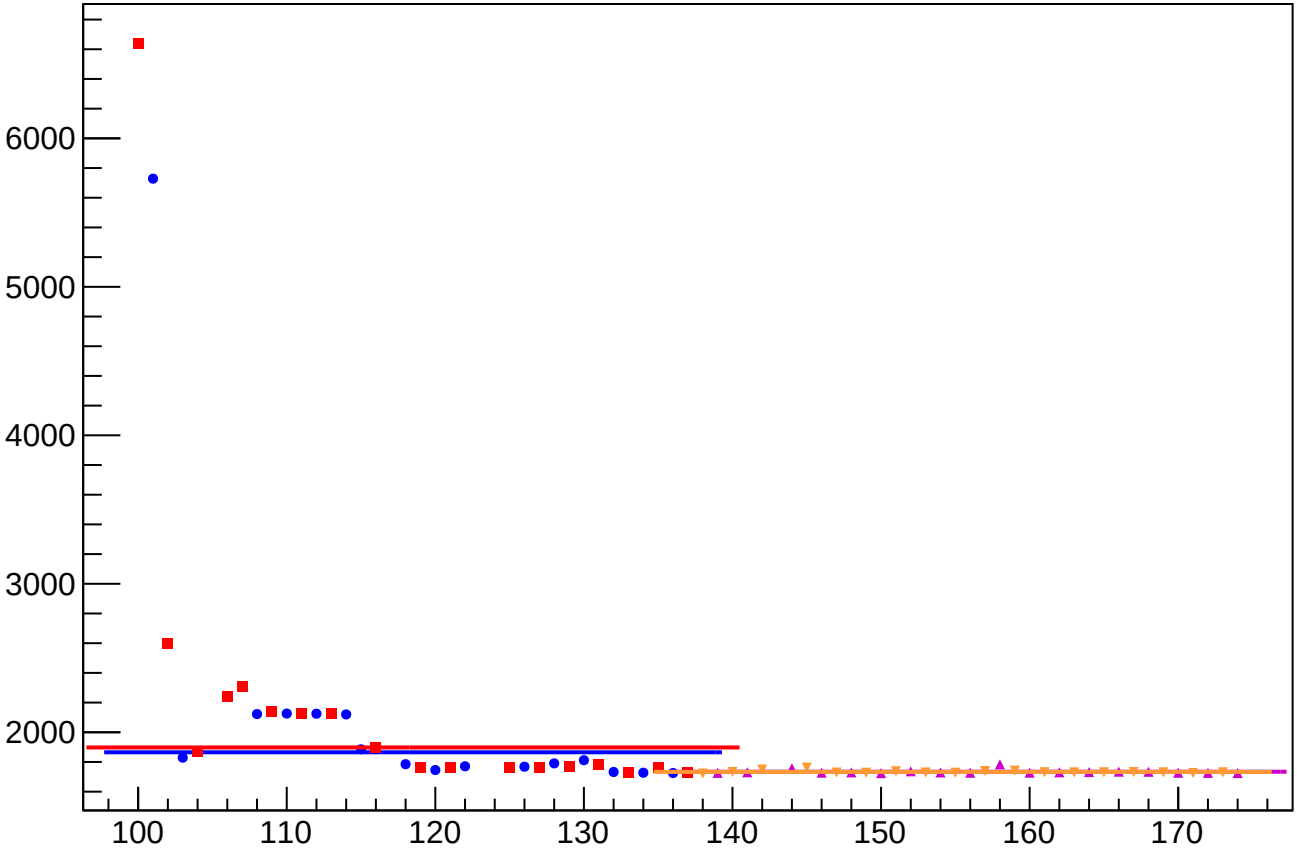
Left In: 37.480+/-449.559 χ^2/NDF:16.9/17

\+ sign -119.190+/-385.786 χ^2/NDF: 40.0/33

All: -63.880+/-270.864 χ^2/NDF: 75.0/69

\- 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: 1733.118+/-0.325 χ^2/NDF:744.2/17

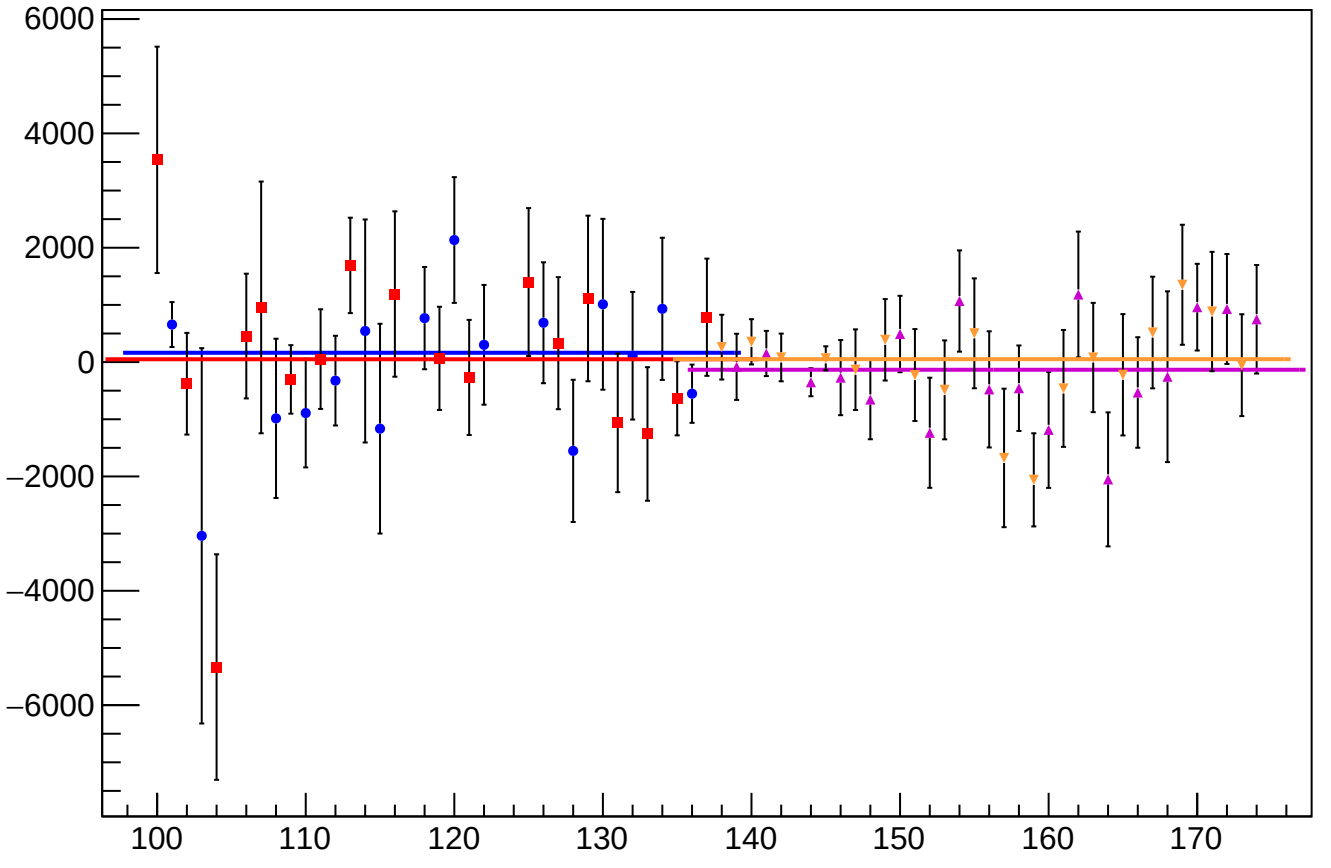
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.272+/-0.318 χ^2/NDF:2006.9/17

+ sign 1772.138+/-0.273 χ^2/NDF: 722250.6/33

All: 1776.476+/-0.192 χ^2/NDF: 1057568.4/69

- 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: 50.975+/-134.653 χ^2/NDF:13.2/17

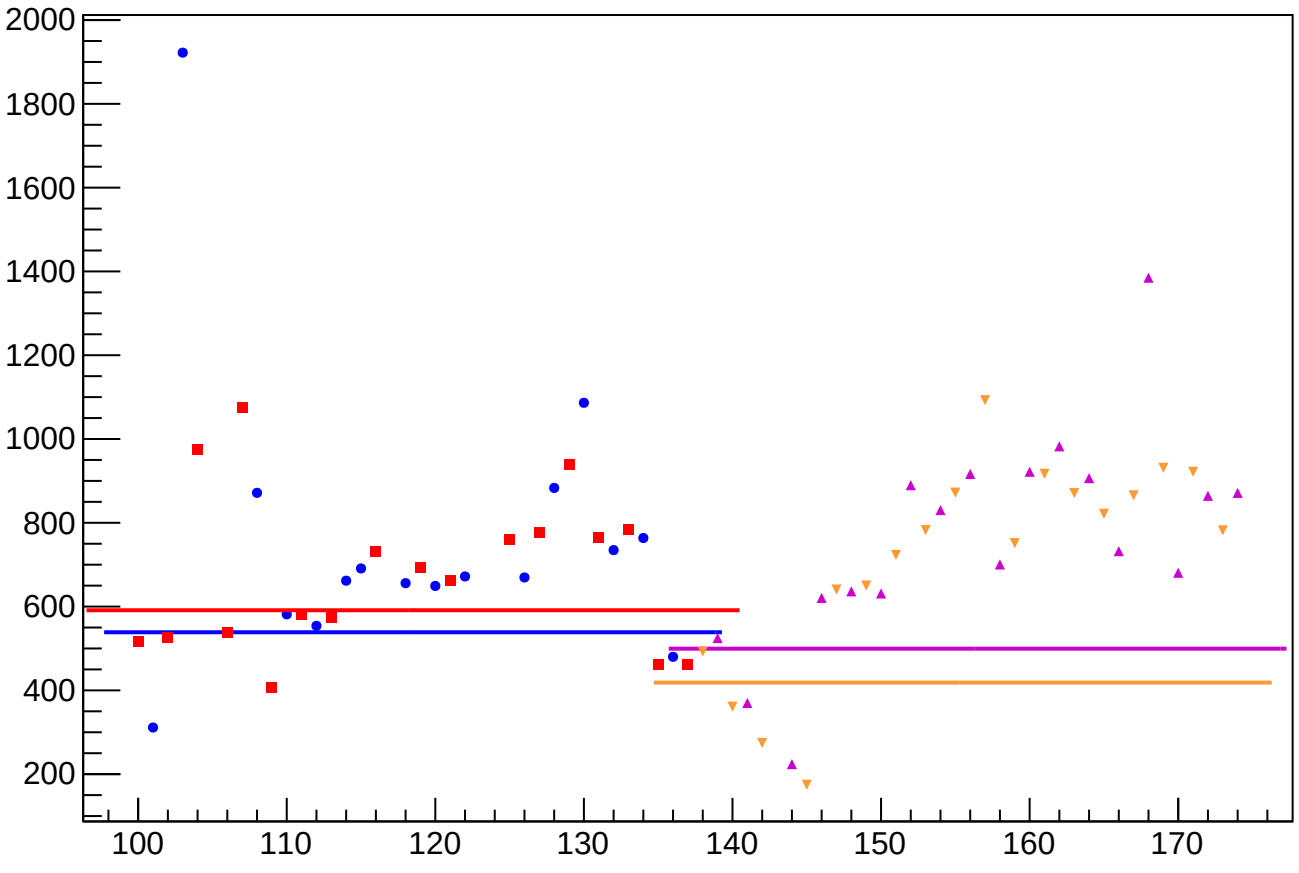
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -134.070+/-147.829 χ^2/NDF:15.8/17

+ sign 81.540+/-114.852 χ^2/NDF: 27.3/33

All: 6.617+/-84.760 χ^2/NDF: 65.9/69

- 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: 418.560+/-0.095 χ^2/NDF:8368857.6/17

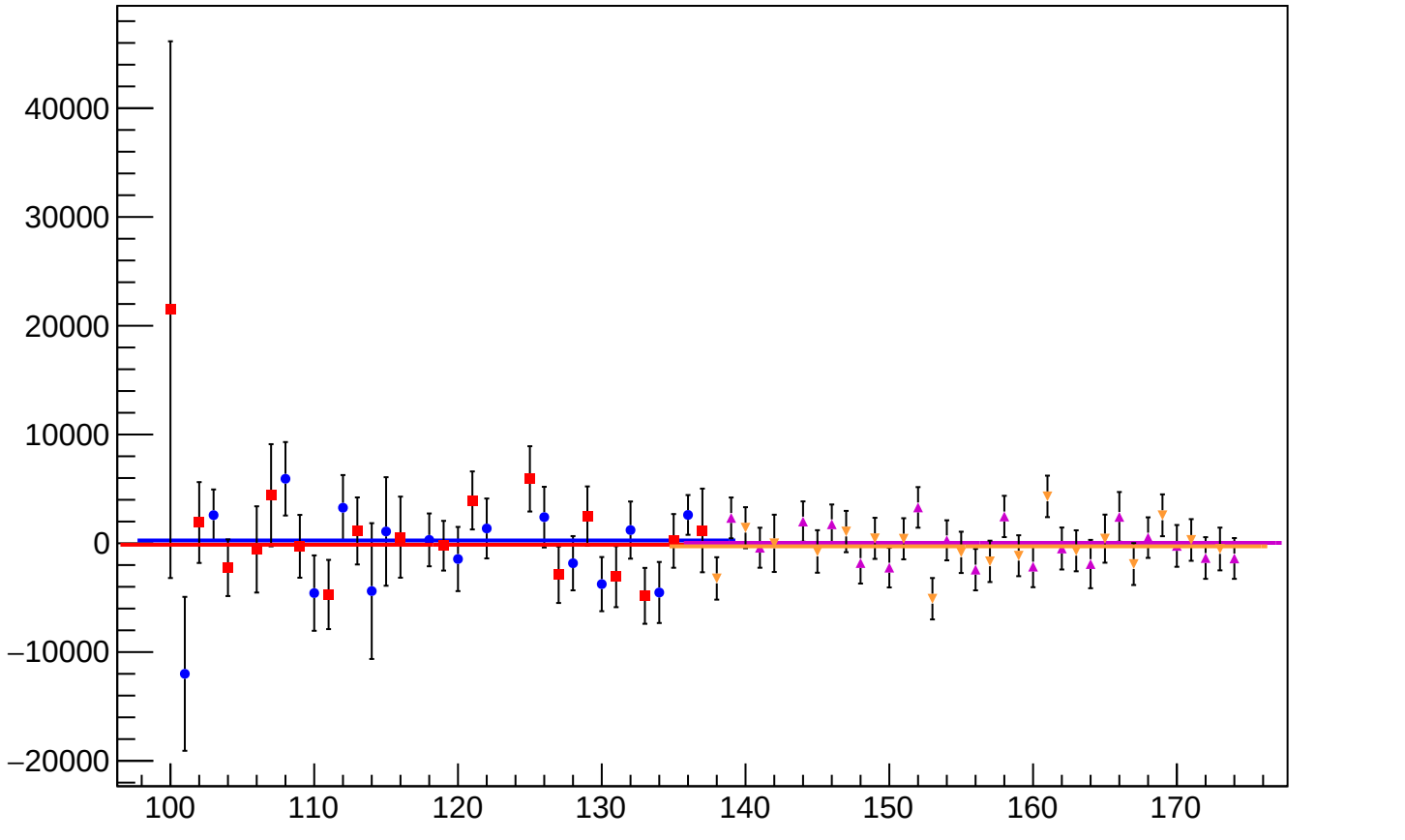
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 499.495+/-0.105 χ^2/NDF:6563485.9/17

+ sign 451.297+/-0.081 χ^2/NDF: 10661590.8/33

All: 484.862+/-0.060 χ^2/NDF: 18658931.7/69

- 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: -278.103+/-459.625 χ^2/NDF:20.2/17

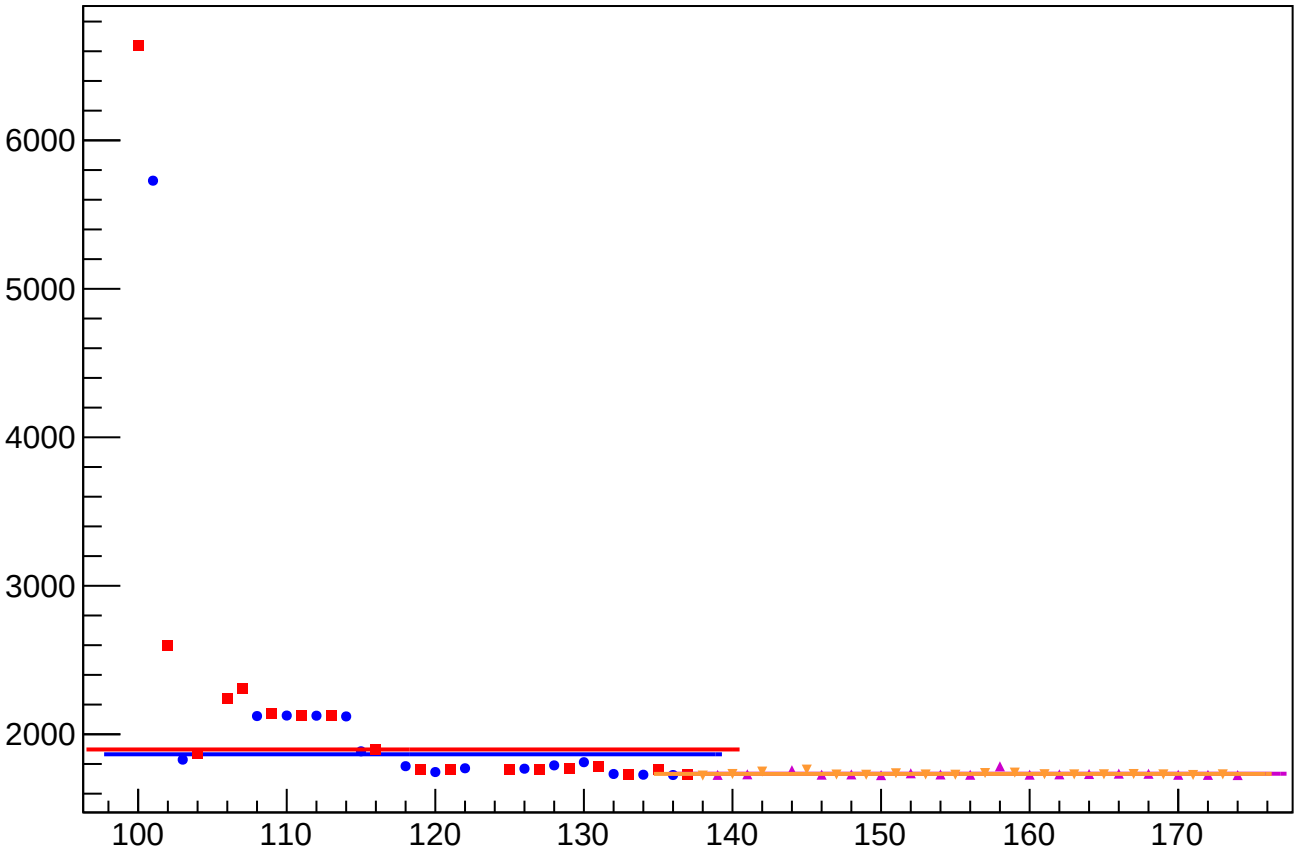
Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: 37.480+/-449.559 χ^2/NDF:16.9/17

+ sign -119.190+/-385.786 χ^2/NDF: 40.0/33

All: -63.880+/-270.864 χ^2/NDF: 75.0/69

- sign -10.107+/-380.389 χ^2/NDF: 35.0/35



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.118+/-0.325 χ^2/NDF:744.2/17

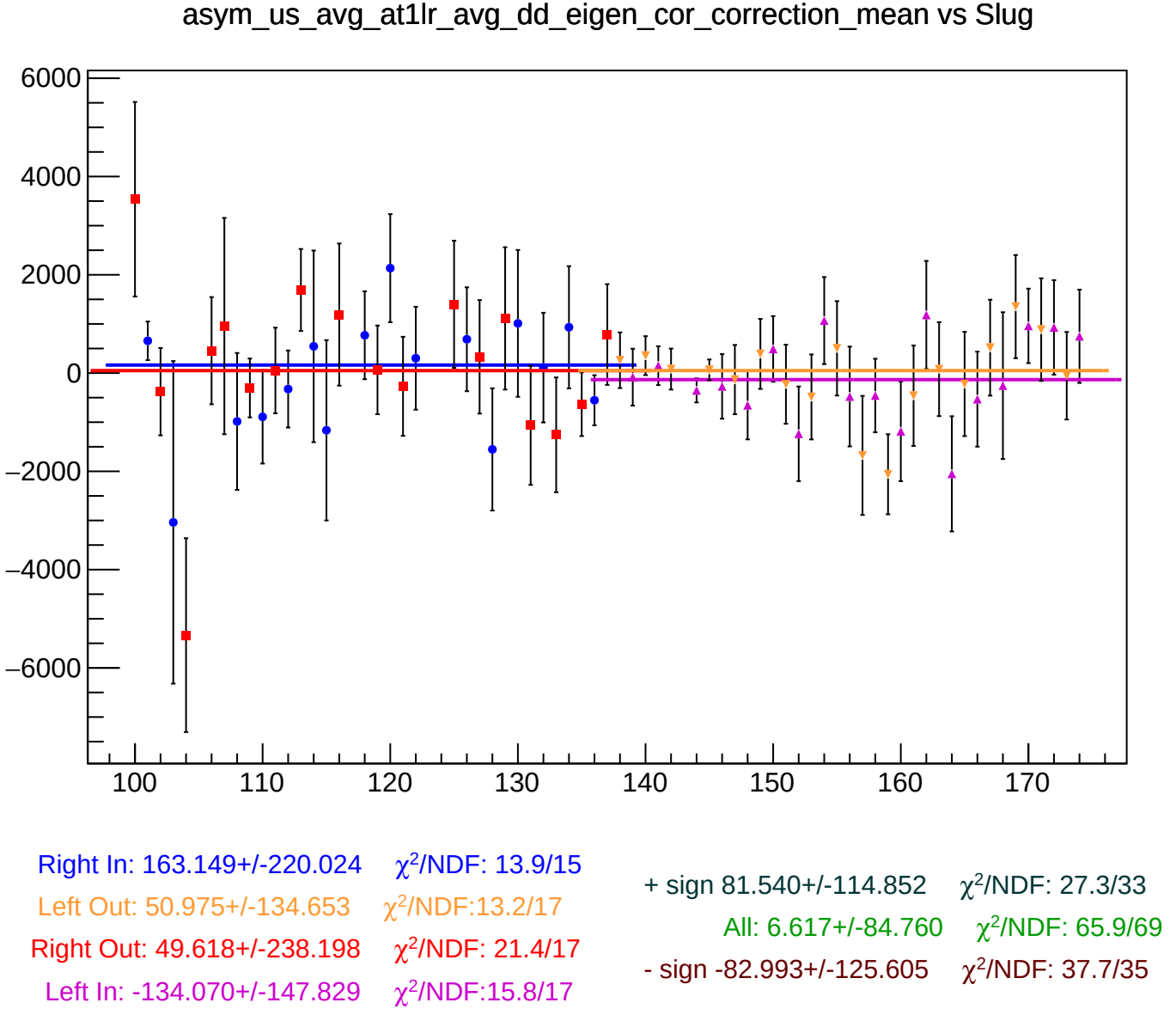
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

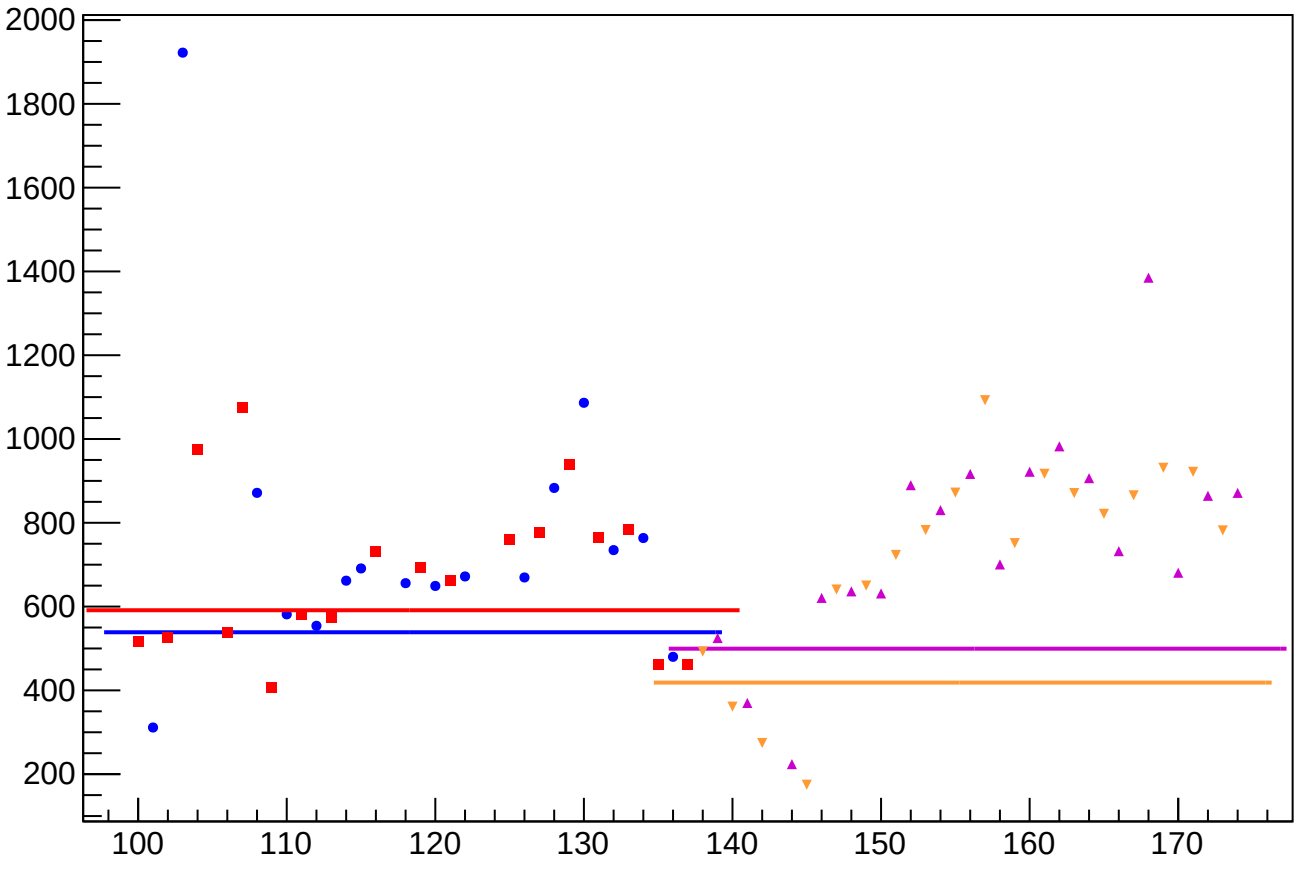
Left In: 1734.272+/-0.318 χ^2/NDF:2006.9/17

+ sign 1772.138+/-0.273 χ^2/NDF: 722250.6/33

All: 1776.476+/-0.192 χ^2/NDF: 1057568.4/69

- sign 1780.694+/-0.269 χ^2/NDF: 334819.0/35


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: 163.149+/-220.024 χ²/NDF: 13.9/15
Left Out: 50.975+/-134.653 χ²/NDF:13.2/17
Right Out: 49.618+/-238.198 χ²/NDF: 21.4/17
Left In: -134.070+/-147.829 χ²/NDF:15.8/17
+ sign 81.540+/-114.852 χ²/NDF: 27.3/33
All: 6.617+/-84.760 χ²/NDF: 65.9/69
- sign -82.993+/-125.605 χ²/NDF: 37.7/35



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 418.560+/-0.095 χ^2/NDF:8368857.6/17

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

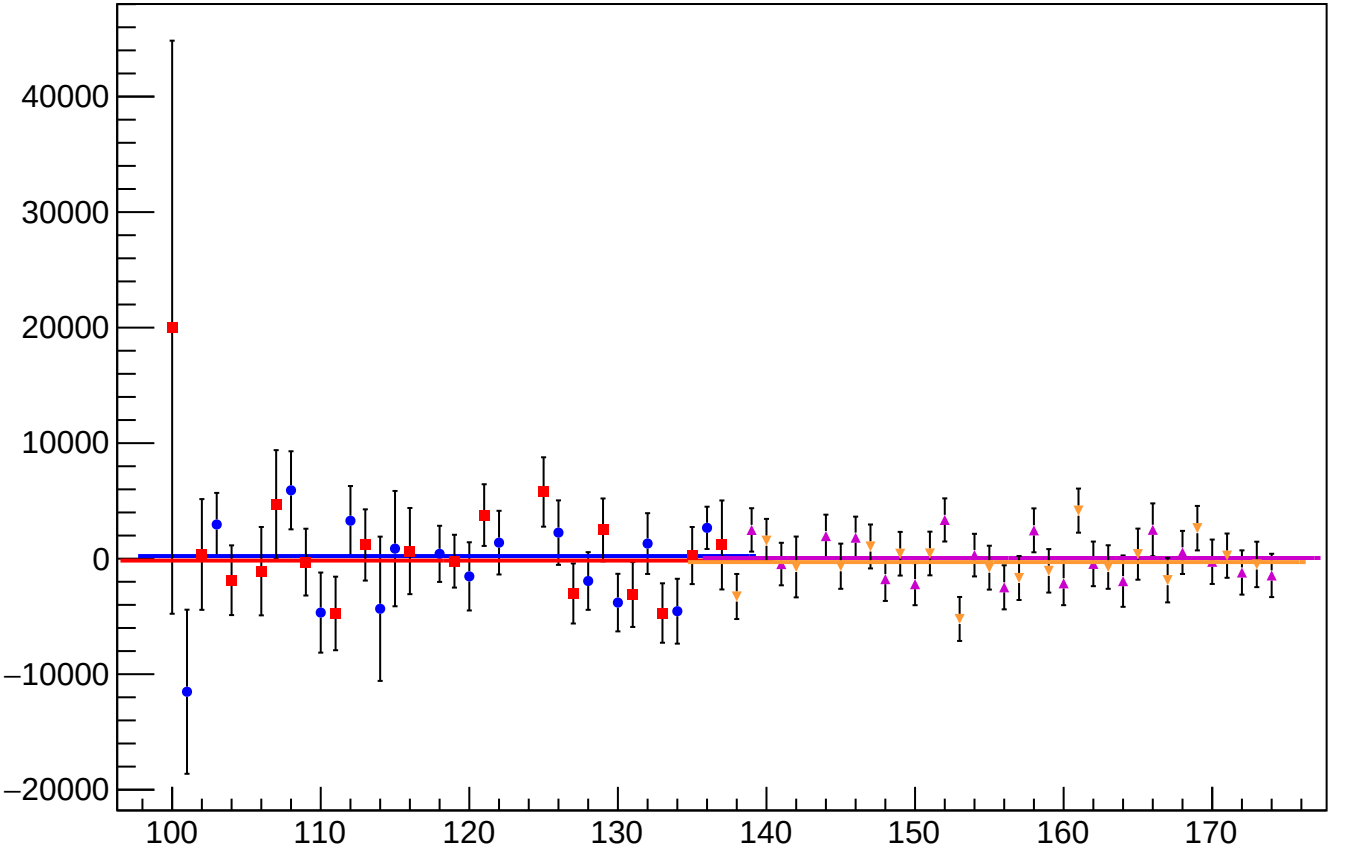
Left In: 499.495+/-0.105 χ^2/NDF:6563485.9/17

+ sign 451.297+/-0.081 χ^2/NDF: 10661590.8/33

All: 484.862+/-0.060 χ^2/NDF: 18658931.7/69

- 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: -296.934+/-459.928 χ^2/NDF:20.3/17

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

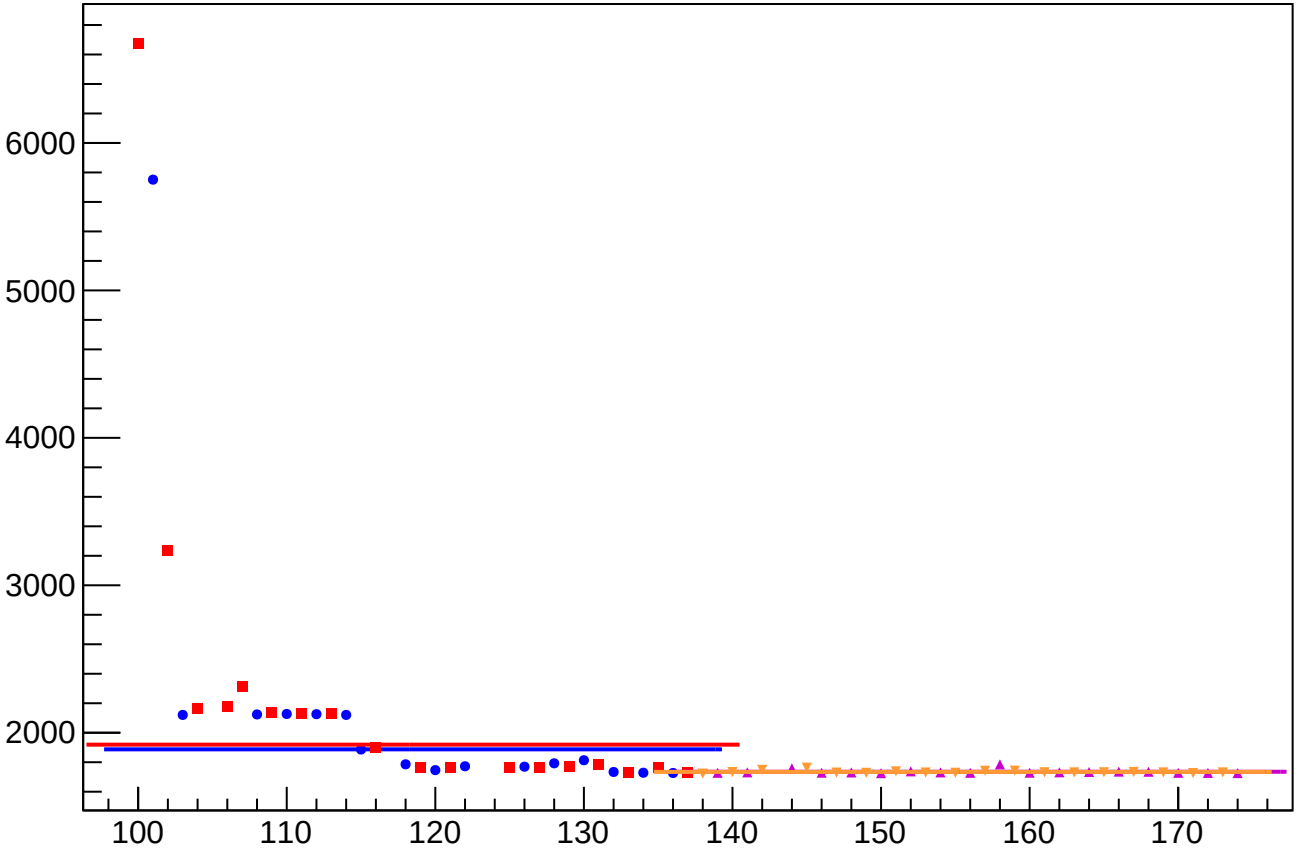
Left In: 57.676+/-449.847 χ^2/NDF:17.2/17

+ sign -144.890+/-387.372 χ^2/NDF: 40.1/33

All: -73.409+/-272.124 χ^2/NDF: 74.5/69

- 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: 1734.261+/-0.325 χ^2/NDF:753.1/17

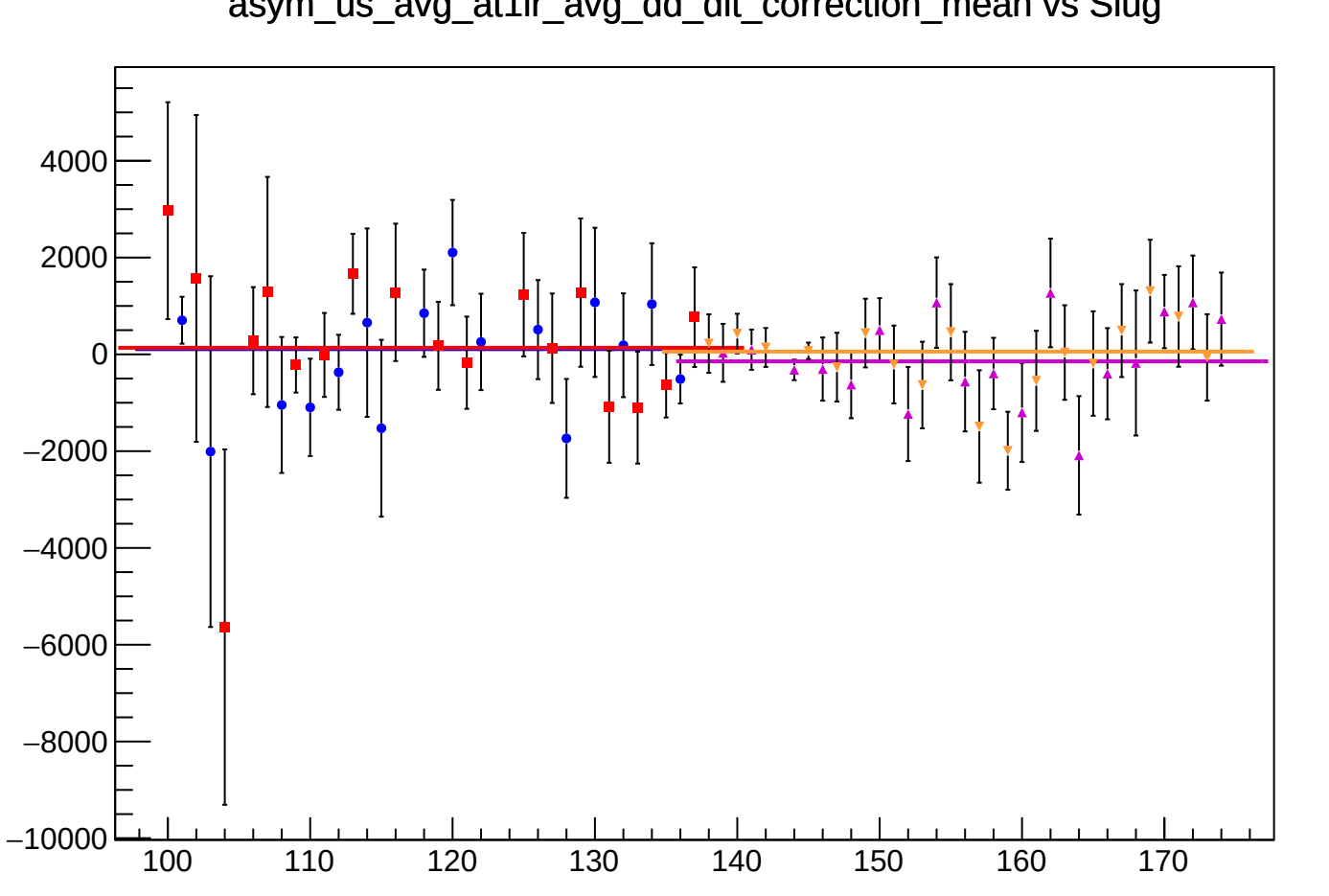
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.380+/-0.318 χ^2/NDF:2008.7/17

+ sign 1778.741+/-0.274 χ^2/NDF: 754560.4/33

All: 1782.613+/-0.192 χ^2/NDF: 1202178.2/69

- 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: 57.051+/-122.751 χ^2/NDF:13.0/17

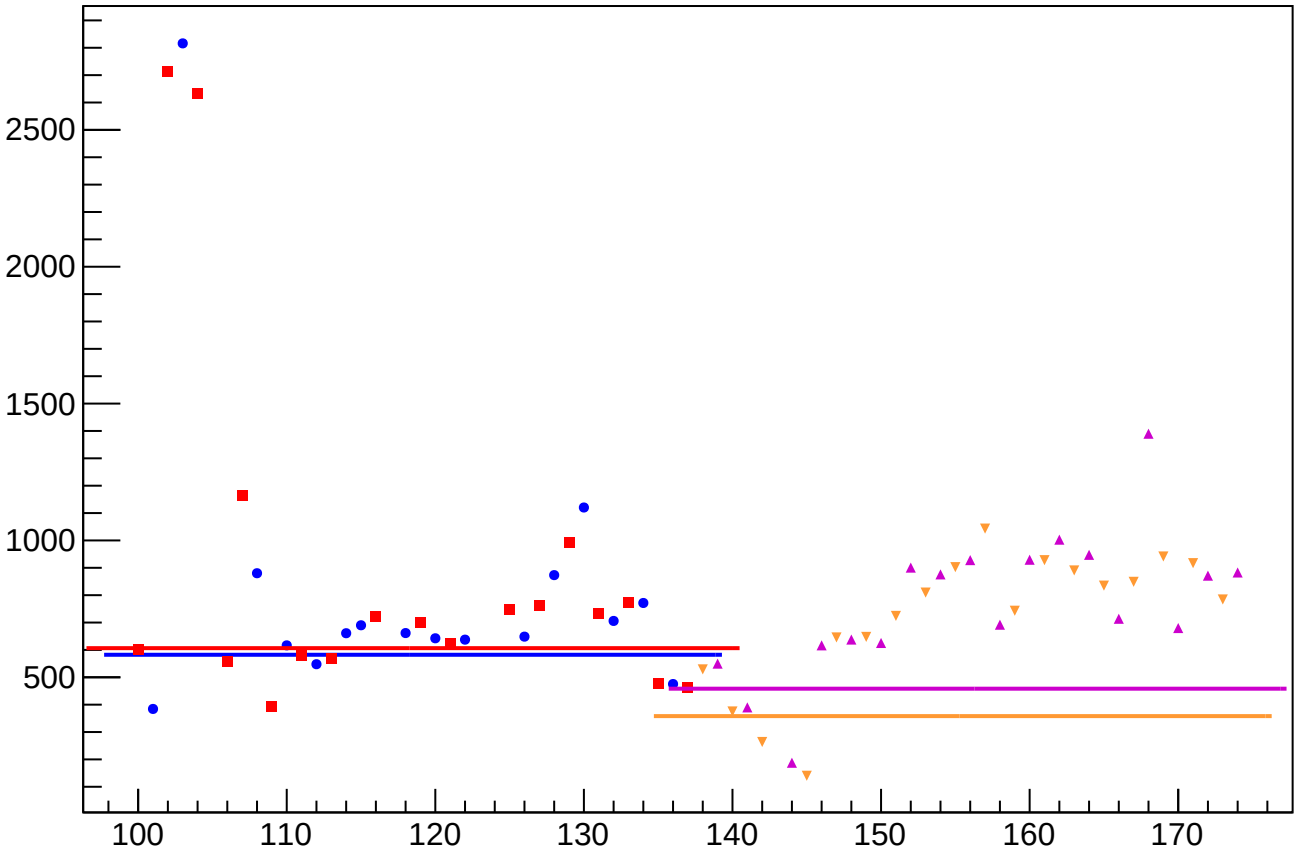
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -144.363+/-140.978 χ^2/NDF:15.3/17

+ sign 68.245+/-108.470 χ^2/NDF: 27.2/33

All: 5.101+/-81.153 χ^2/NDF: 58.6/69

- 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: 358.150+/-0.087 χ^2/NDF:10635166.8/17

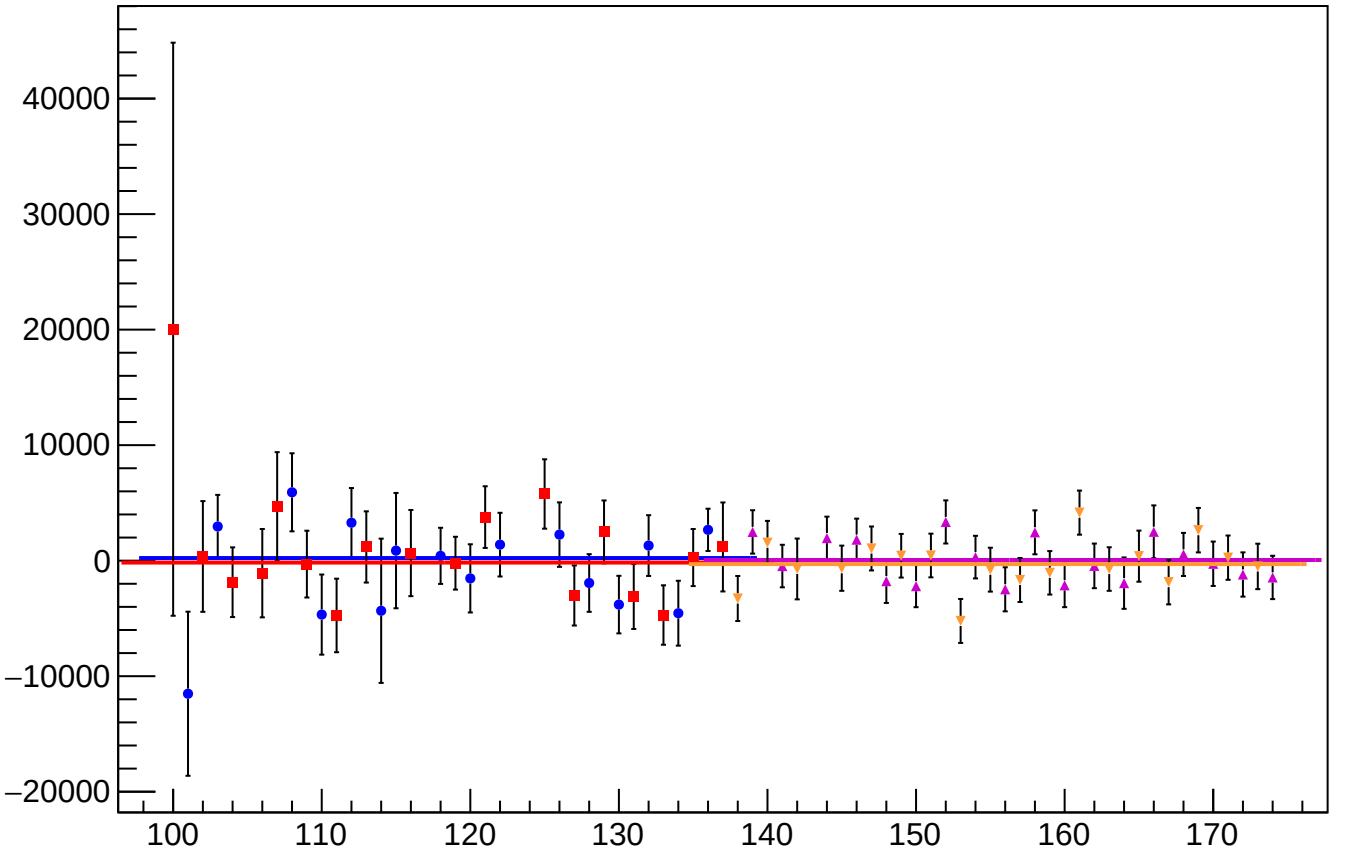
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 458.351+/-0.100 χ^2/NDF:8217483.6/17

+ sign 407.265+/-0.077 χ^2/NDF: 13850533.1/33

All: 445.882+/-0.057 χ^2/NDF: 25388107.8/69

- 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: -296.937+/-459.928 χ^2/NDF:20.3/17

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

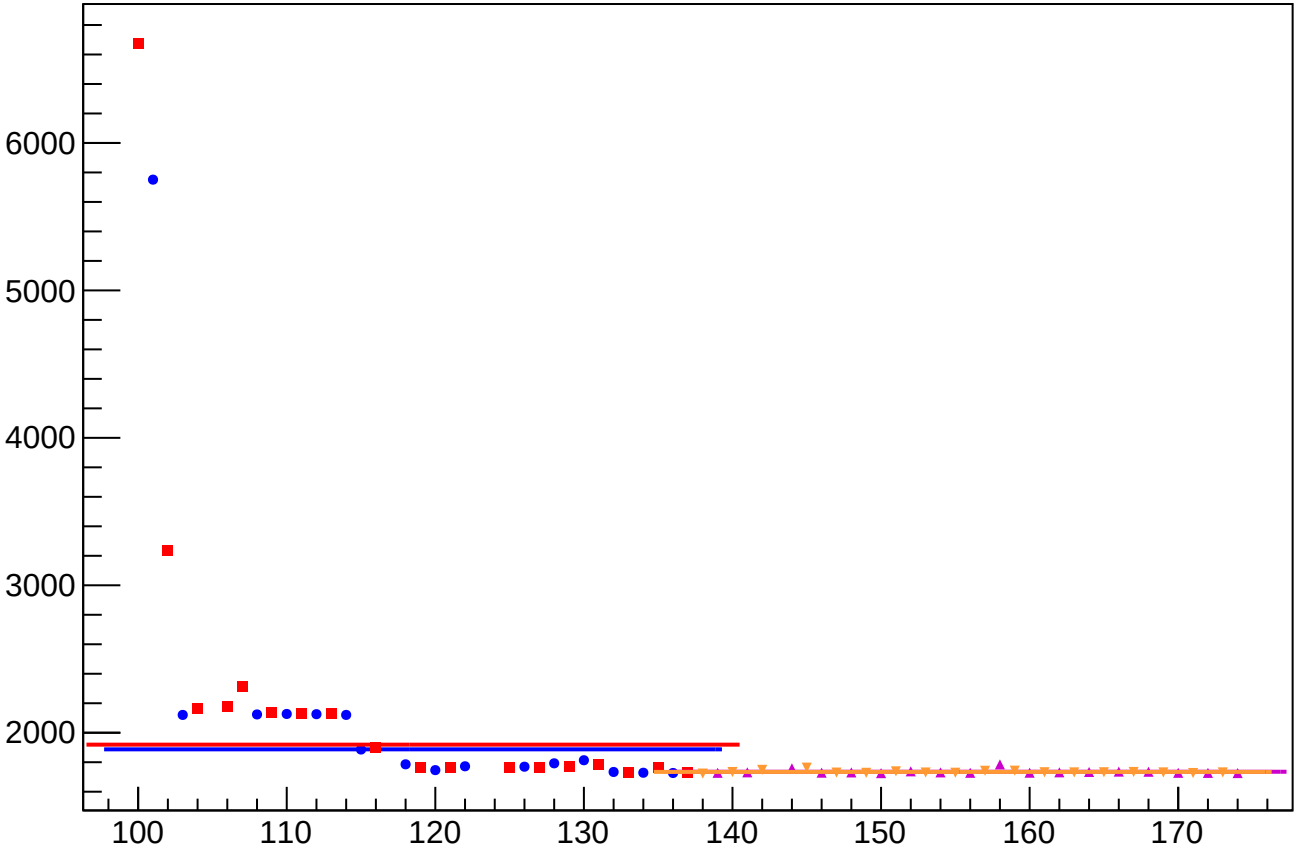
Left In: 57.675+/-449.847 χ^2/NDF:17.2/17

+ sign -144.892+/-387.372 χ^2/NDF: 40.1/33

All: -73.411+/-272.124 χ^2/NDF: 74.5/69

- 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: 1734.261+/-0.325 χ^2/NDF:753.1/17

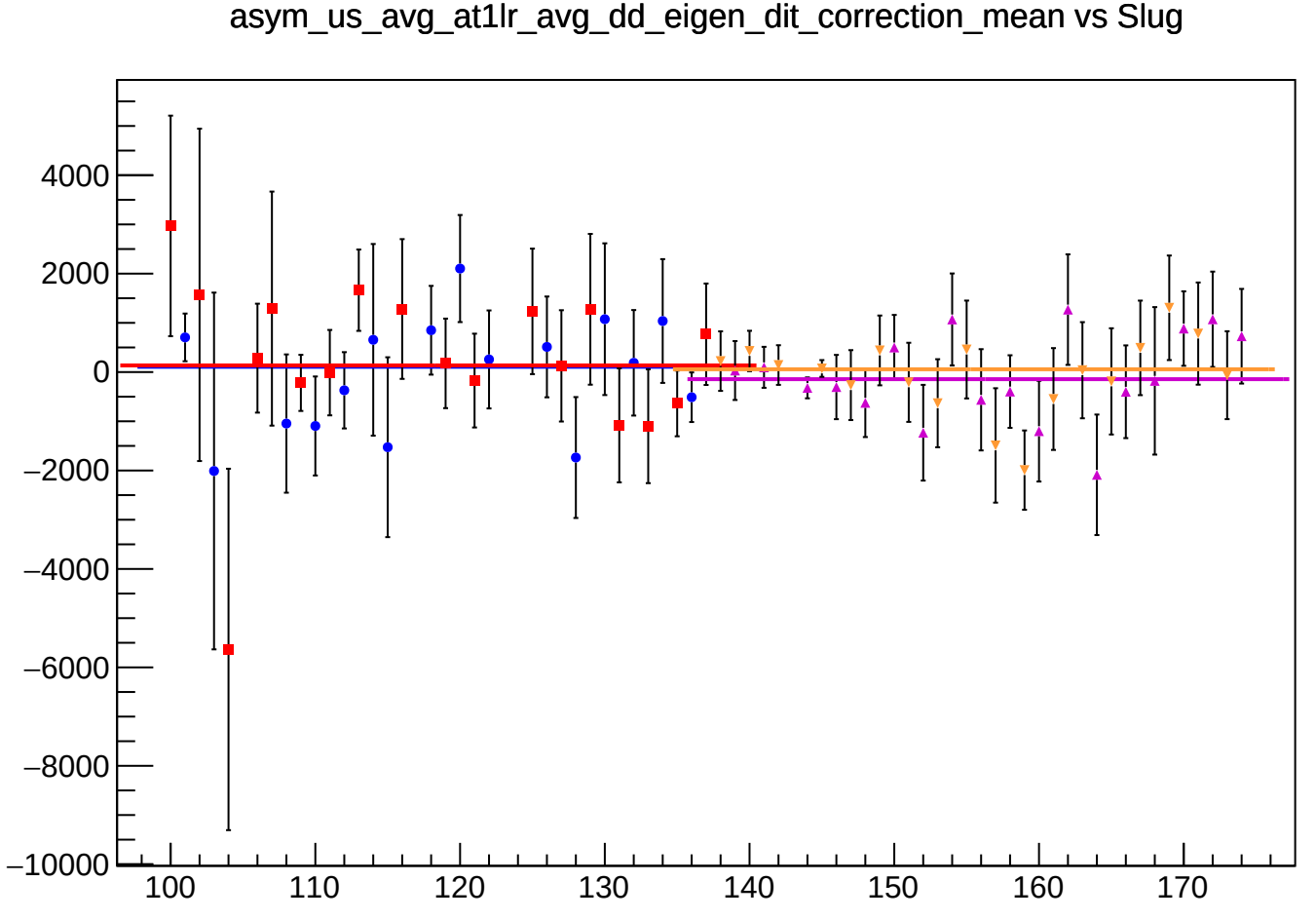
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.380+/-0.318 χ^2/NDF:2008.7/17

+ sign 1778.741+/-0.274 χ^2/NDF: 754560.0/33

All: 1782.613+/-0.192 χ^2/NDF: 1202176.9/69

- 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: 57.049+/-122.751 χ^2/NDF:13.0/17

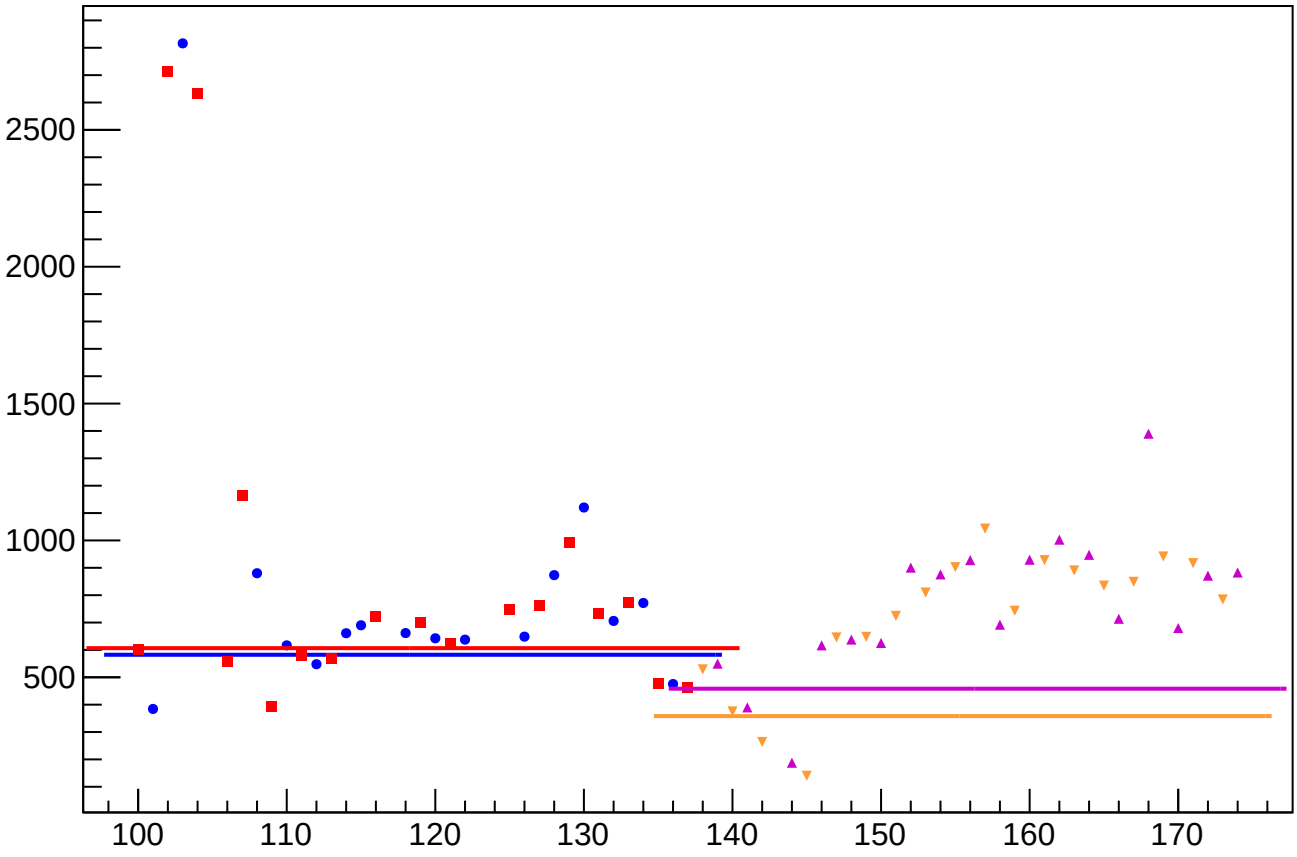
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -144.363+/-140.978 χ^2/NDF:15.3/17

+ sign 68.243+/-108.470 χ^2/NDF: 27.2/33

All: 5.100+/-81.153 χ^2/NDF: 58.6/69

- 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: 358.150+/-0.087 χ^2/NDF:10635204.0/17

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

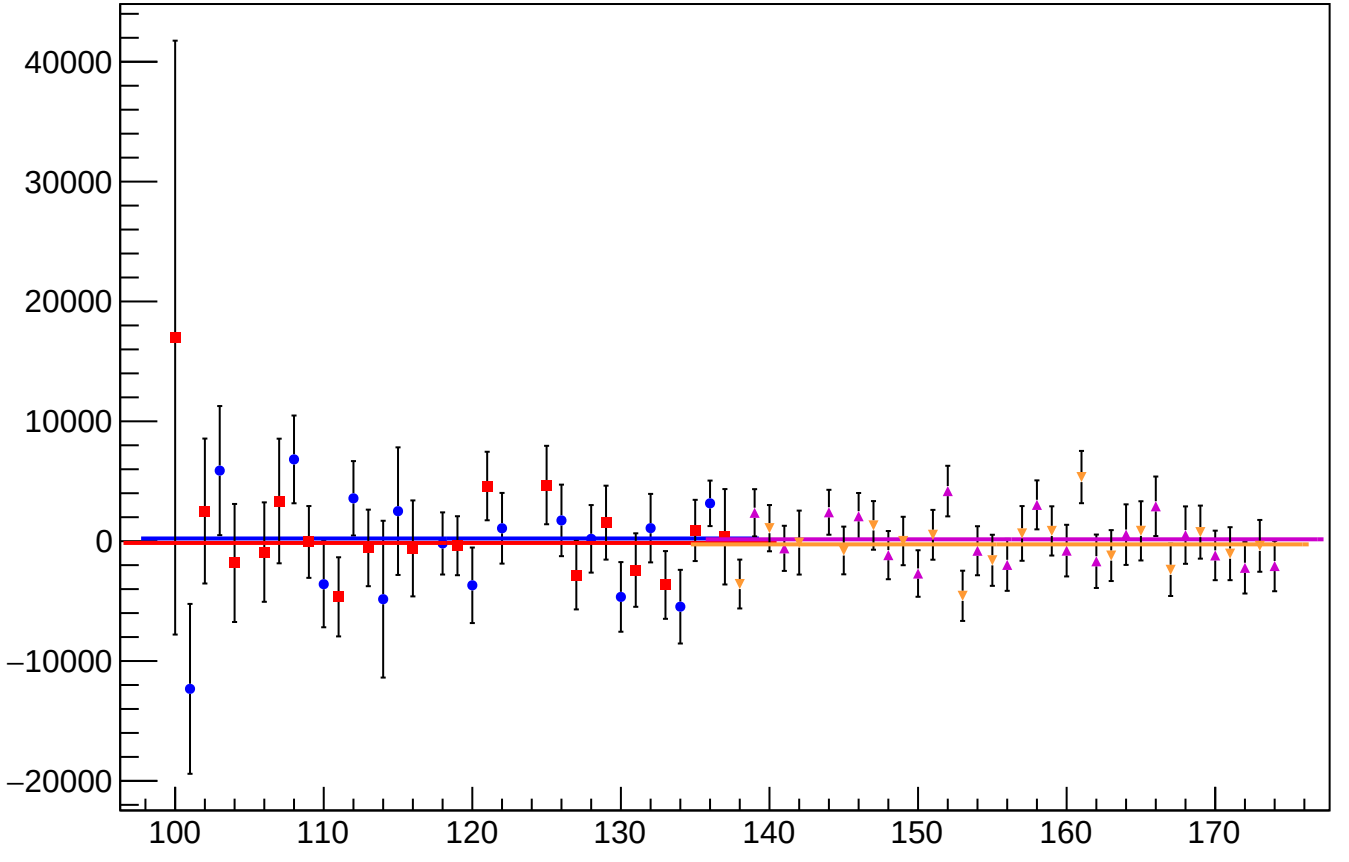
Left In: 458.352+/-0.100 χ^2/NDF:8217506.0/17

+ sign 407.264+/-0.077 χ^2/NDF: 13850543.0/33

All: 445.882+/-0.057 χ^2/NDF: 25388127.1/69

- 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: -265.913+/-504.617 χ^2/NDF:17.3/17

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

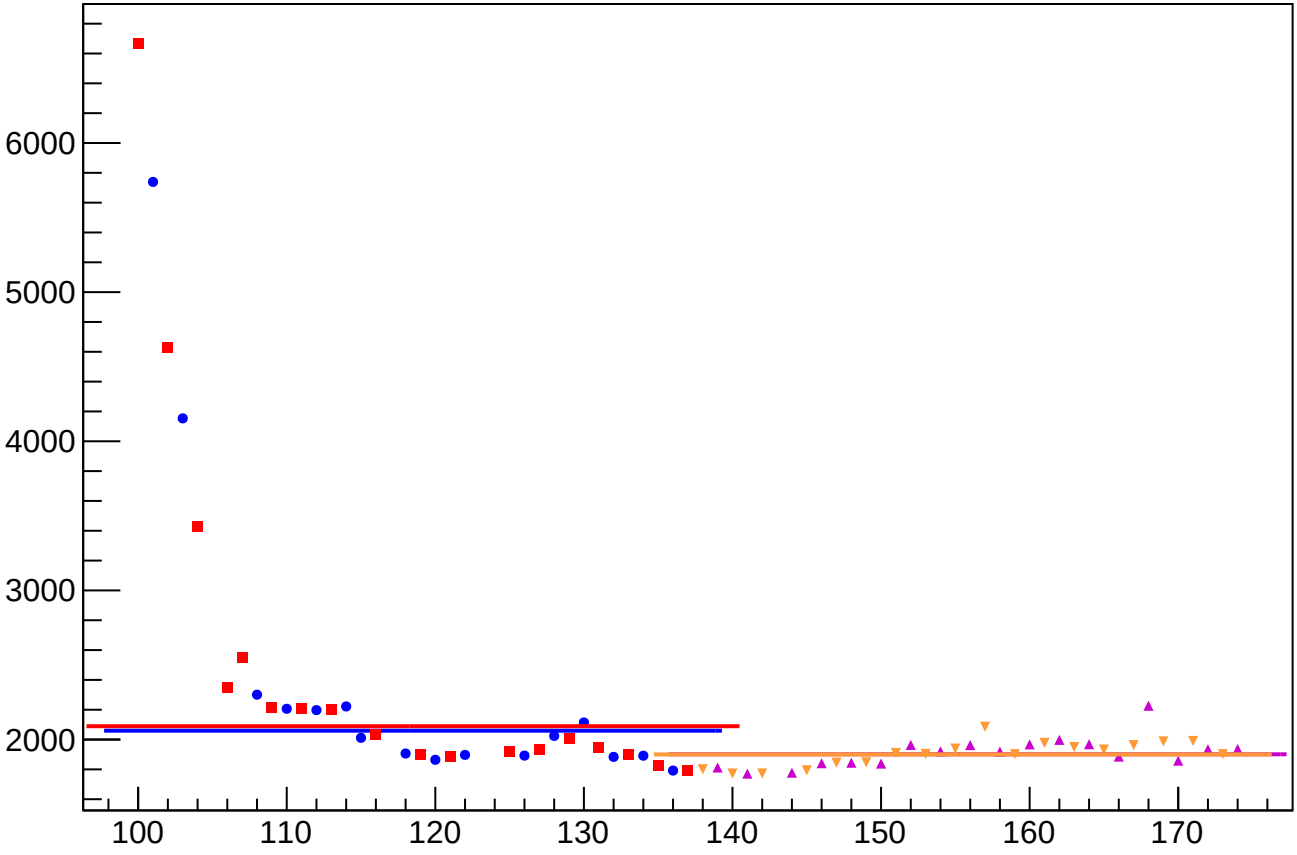
Left In: 155.736+/-493.520 χ^2/NDF:18.2/17

\+ sign -124.225+/-425.525 χ^2/NDF: 38.8/33

All: -25.081+/-298.622 χ^2/NDF: 68.7/69

\- 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: 1900.370+/-0.357 χ^2/NDF:52767.6/17

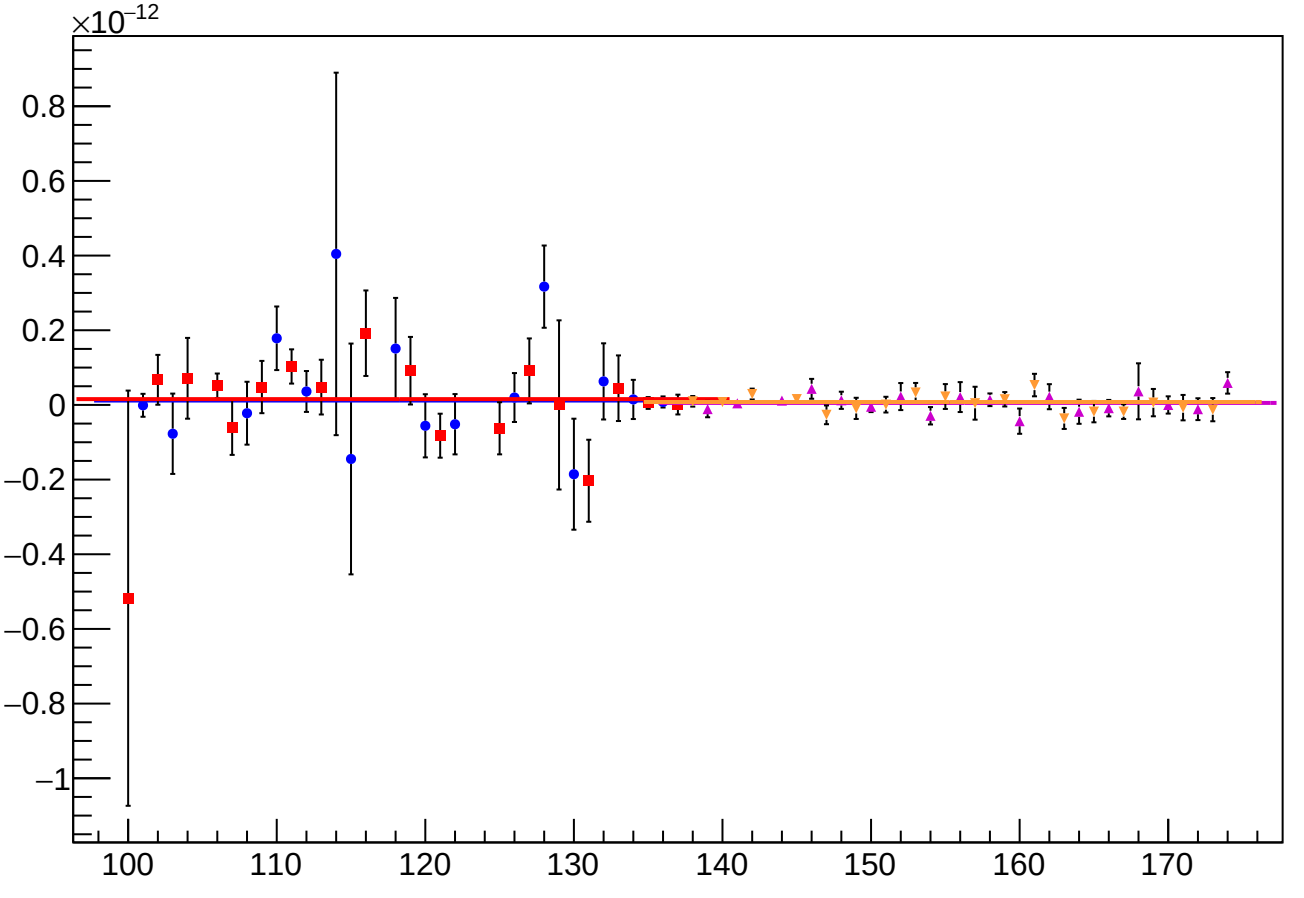
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1901.199+/-0.349 χ^2/NDF:77537.7/17

\+ sign 1946.343+/-0.301 χ^2/NDF: 1050098.1/33

All: 1950.051+/-0.211 χ^2/NDF: 1890492.7/69

\- 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:14.1/17

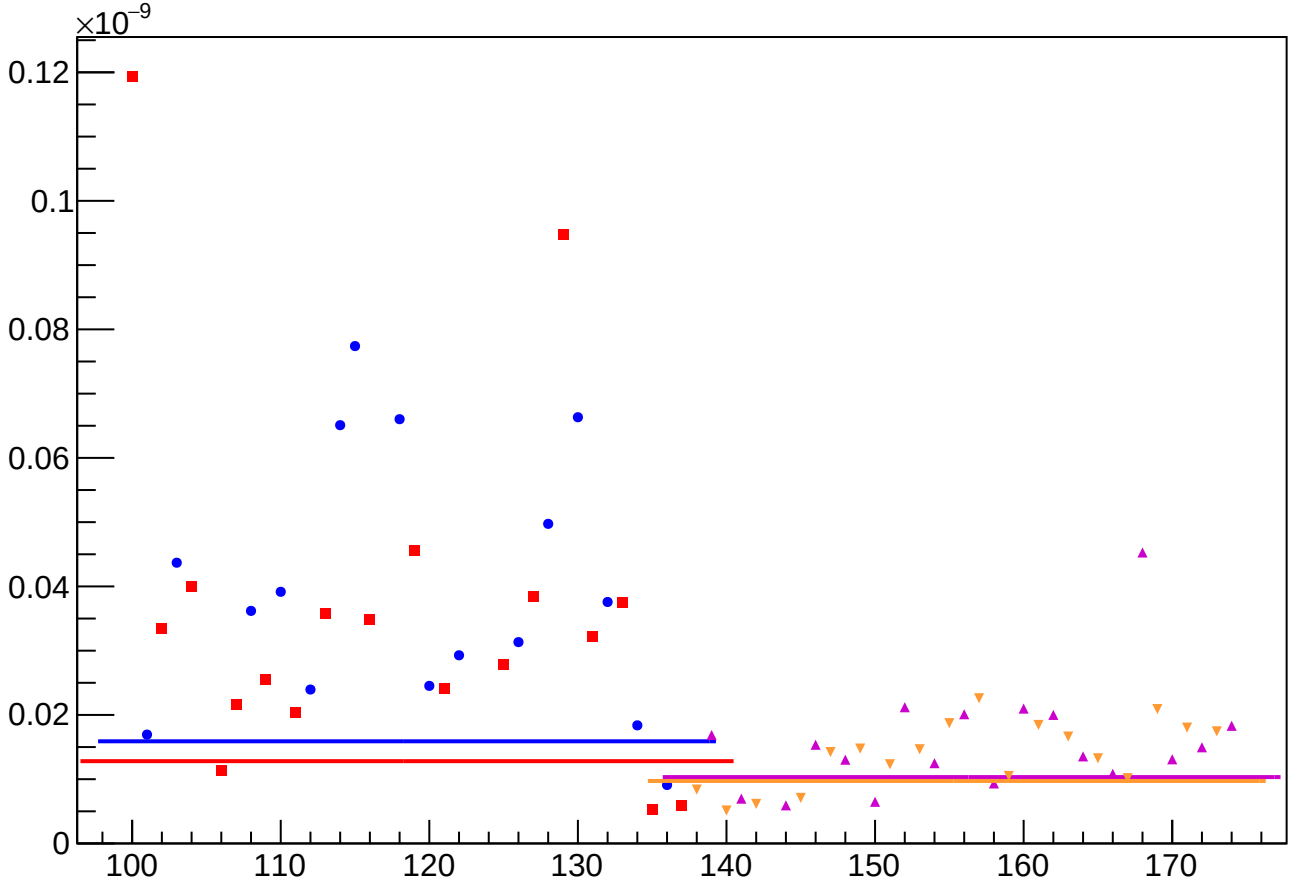
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:13.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 32.3/33

All: 0.000+/-0.000 χ^2/NDF: 67.5/69

- 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:1987737.0/17

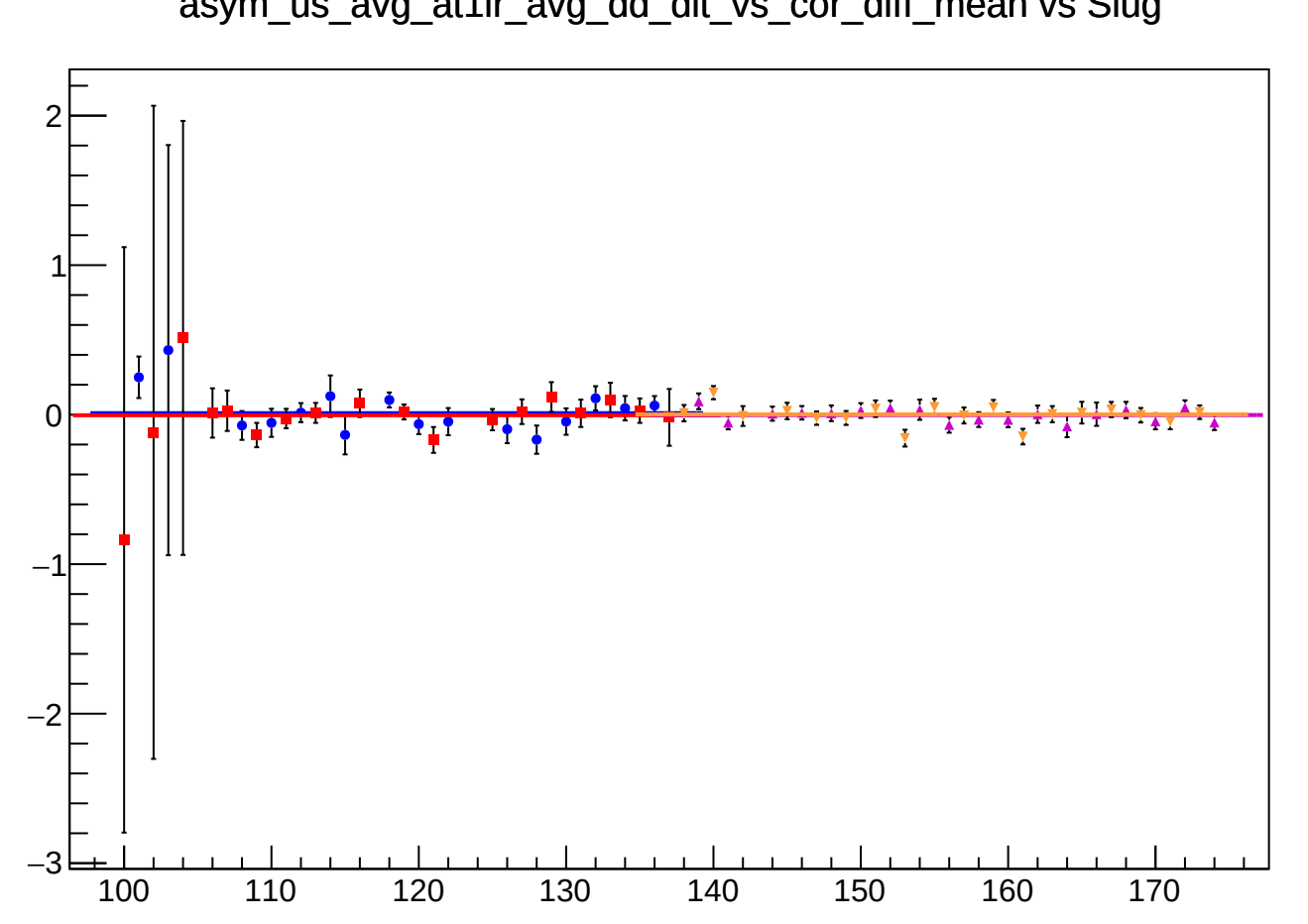
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2379888.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 4413476.8/33

All: 0.000+/-0.000 χ^2/NDF: 9370709.1/69

- 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: 0.002+/-0.012 χ^2/NDF:31.1/17

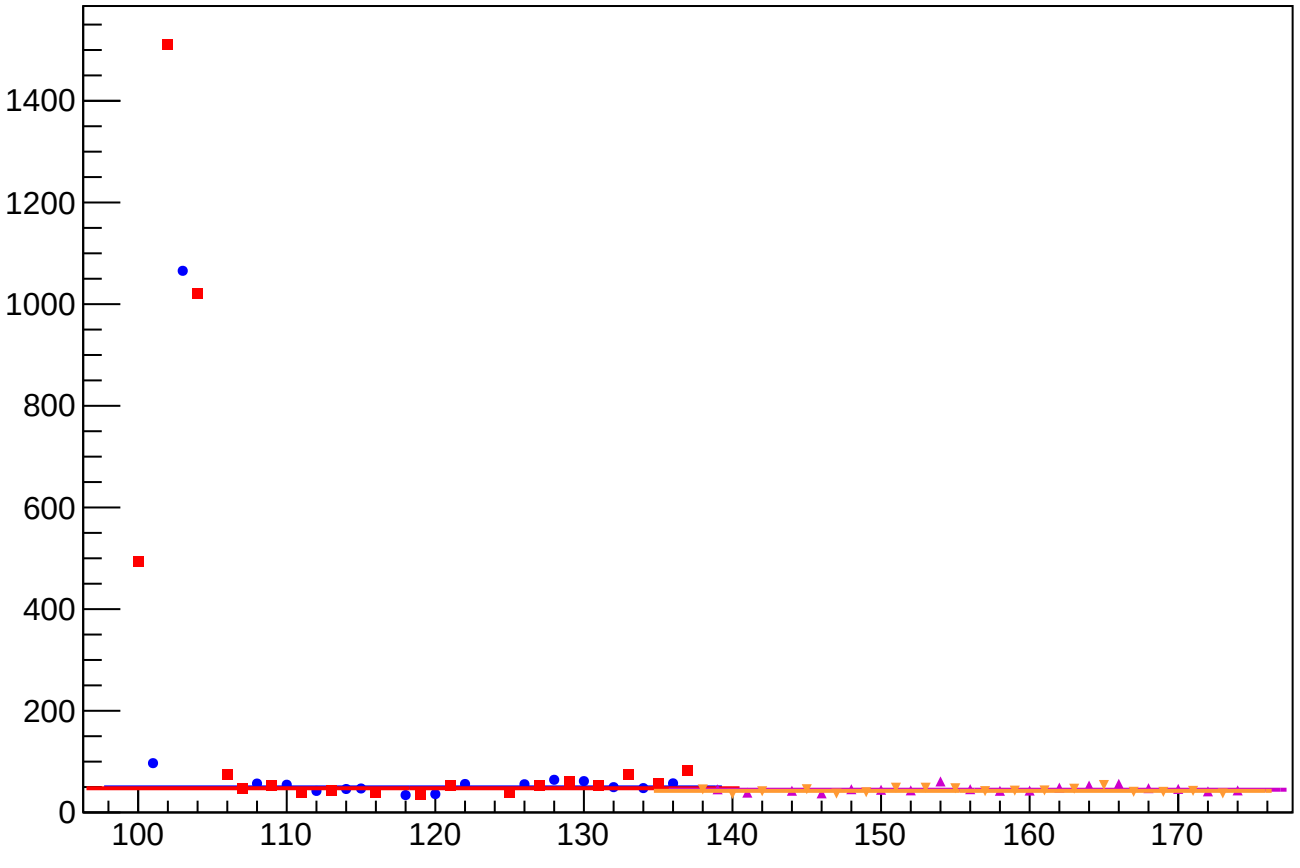
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:12.4/17

+ sign 0.004+/-0.011 χ^2/NDF: 49.7/33

All: 0.000+/-0.008 χ^2/NDF: 72.8/69

- 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: 42.493+/-0.009 χ^2/NDF:244870.9/17

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

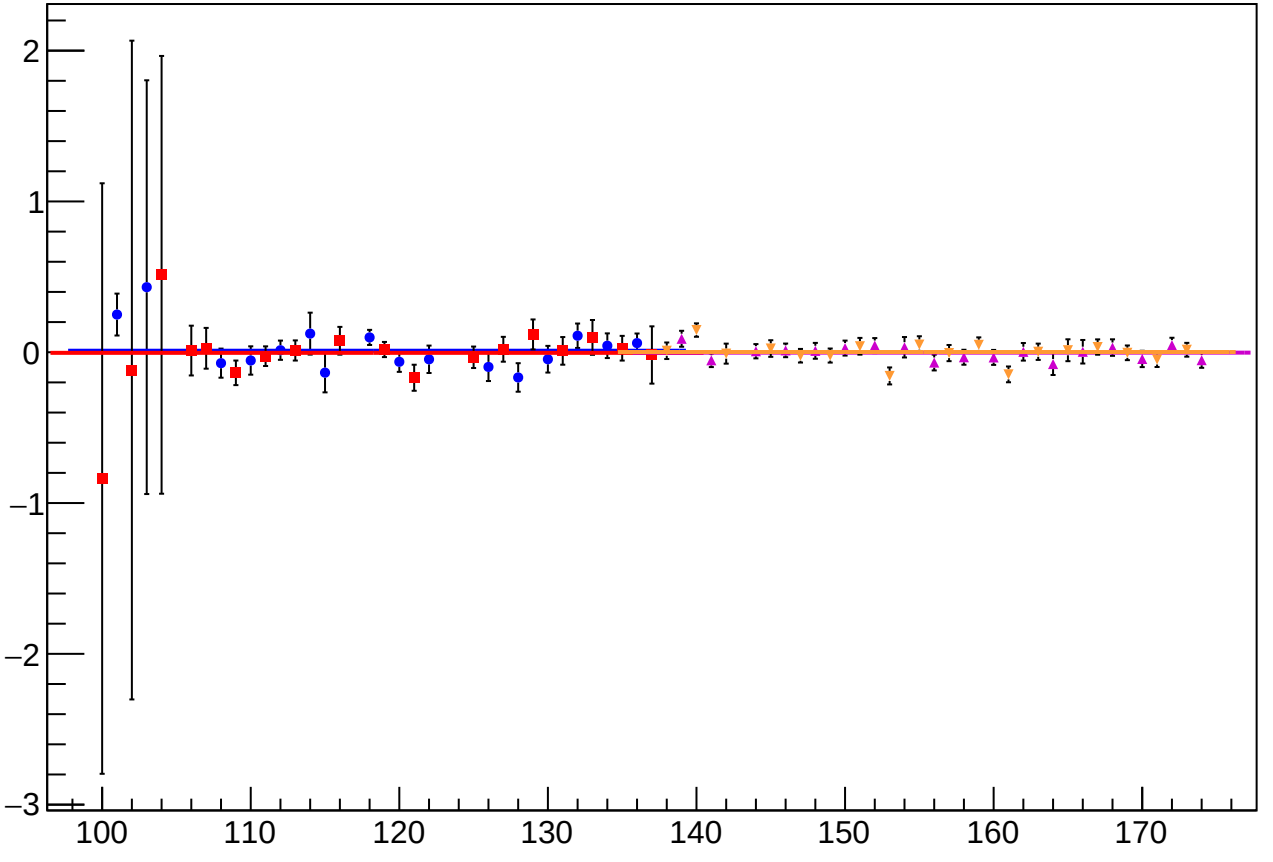
Left In: 44.730+/-0.009 χ^2/NDF:306466.6/17

\+ sign 44.239+/-0.007 χ^2/NDF: 2180550.8/33

All: 44.834+/-0.005 χ^2/NDF: 4944811.7/69

\- 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: 0.002+/-0.012 χ^2/NDF:31.1/17

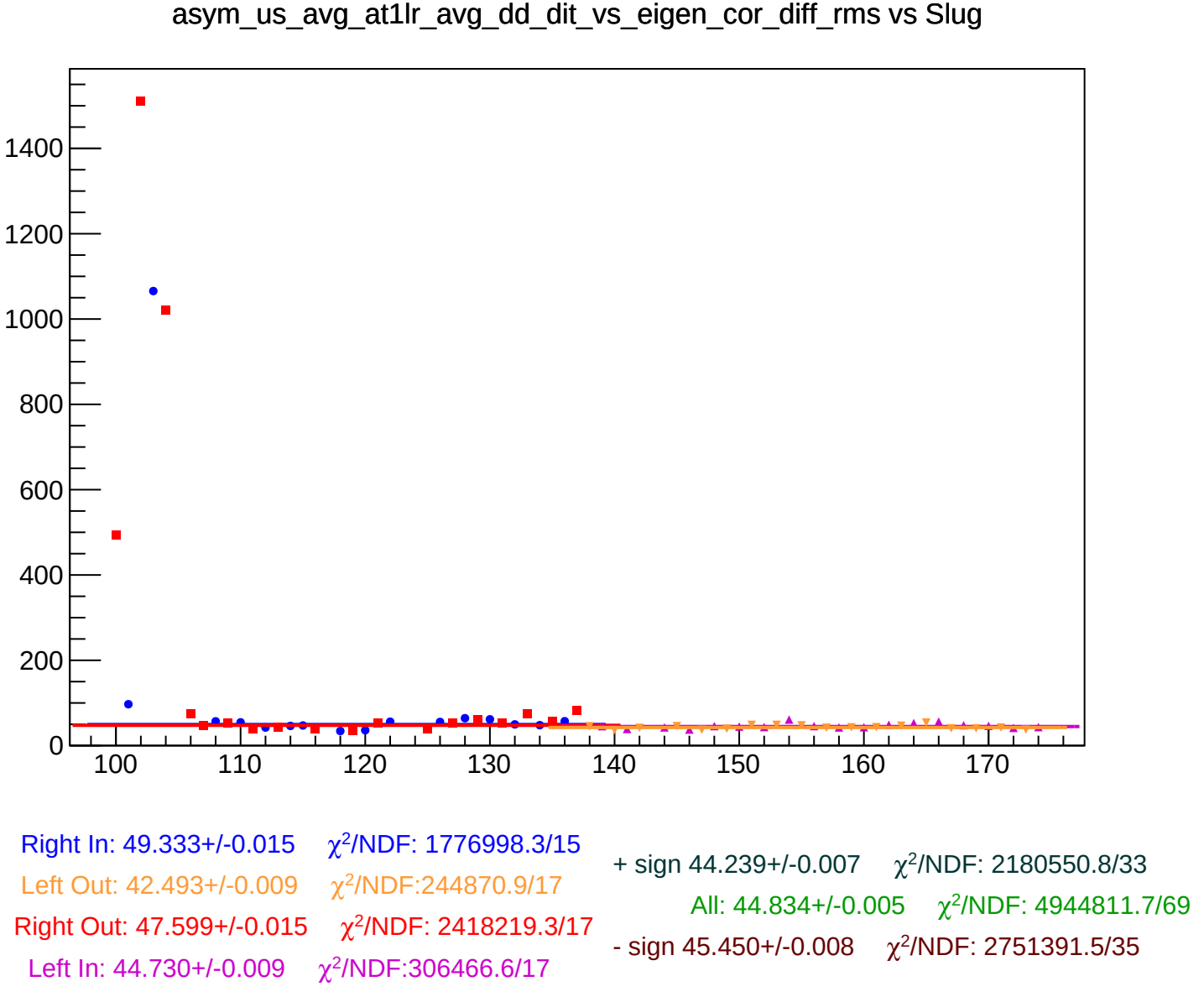
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

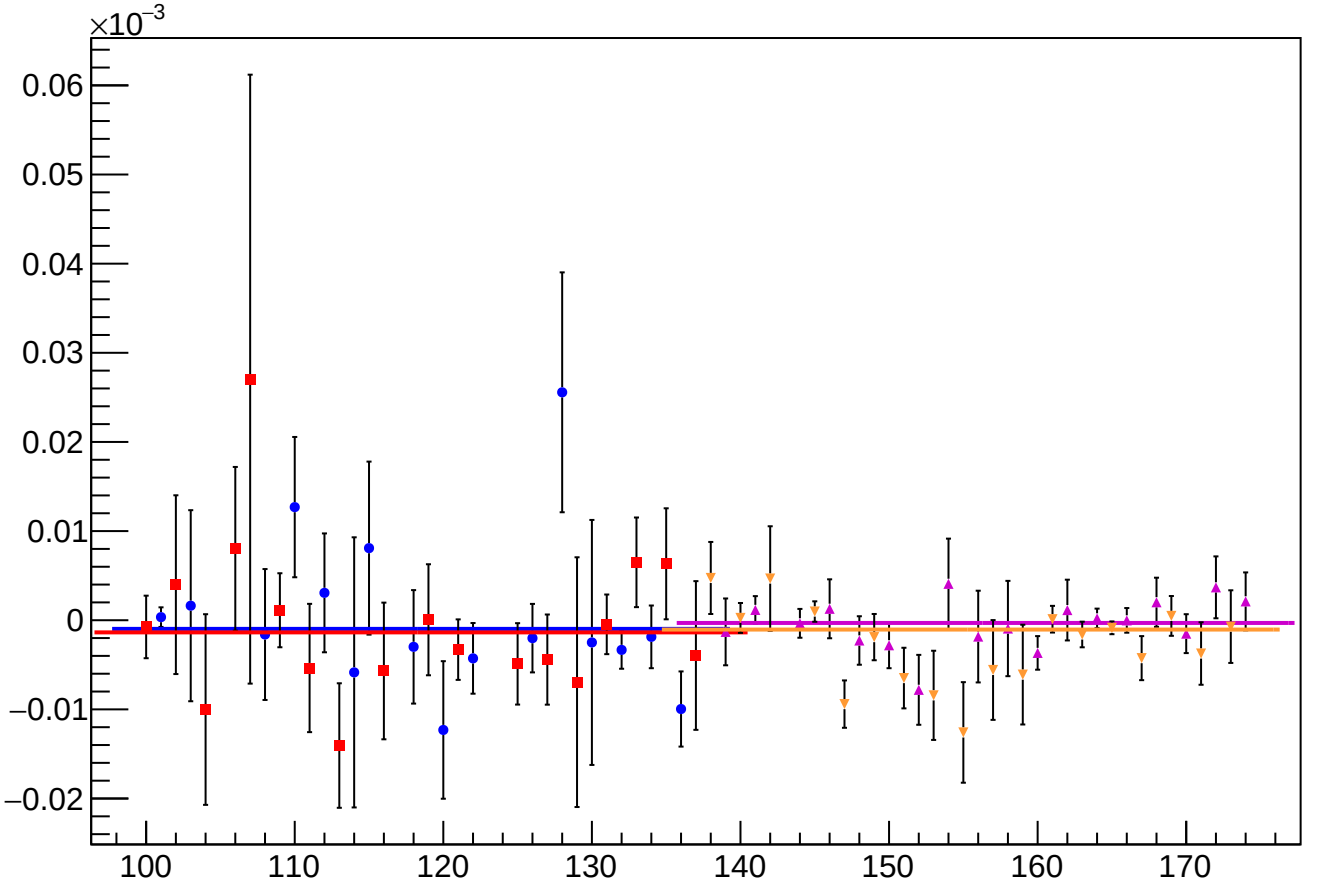
Left In: -0.003+/-0.012 χ^2/NDF:12.4/17

+ sign 0.004+/-0.011 χ^2/NDF: 49.7/33

All: 0.000+/-0.008 χ^2/NDF: 72.8/69

- 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: 42.493+/-0.009 χ²/NDF:244870.9/17
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 44.730+/-0.009 χ²/NDF:306466.6/17
+ sign 44.239+/-0.007 χ²/NDF: 2180550.8/33
All: 44.834+/-0.005 χ²/NDF: 4944811.7/69
- 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:30.7/17

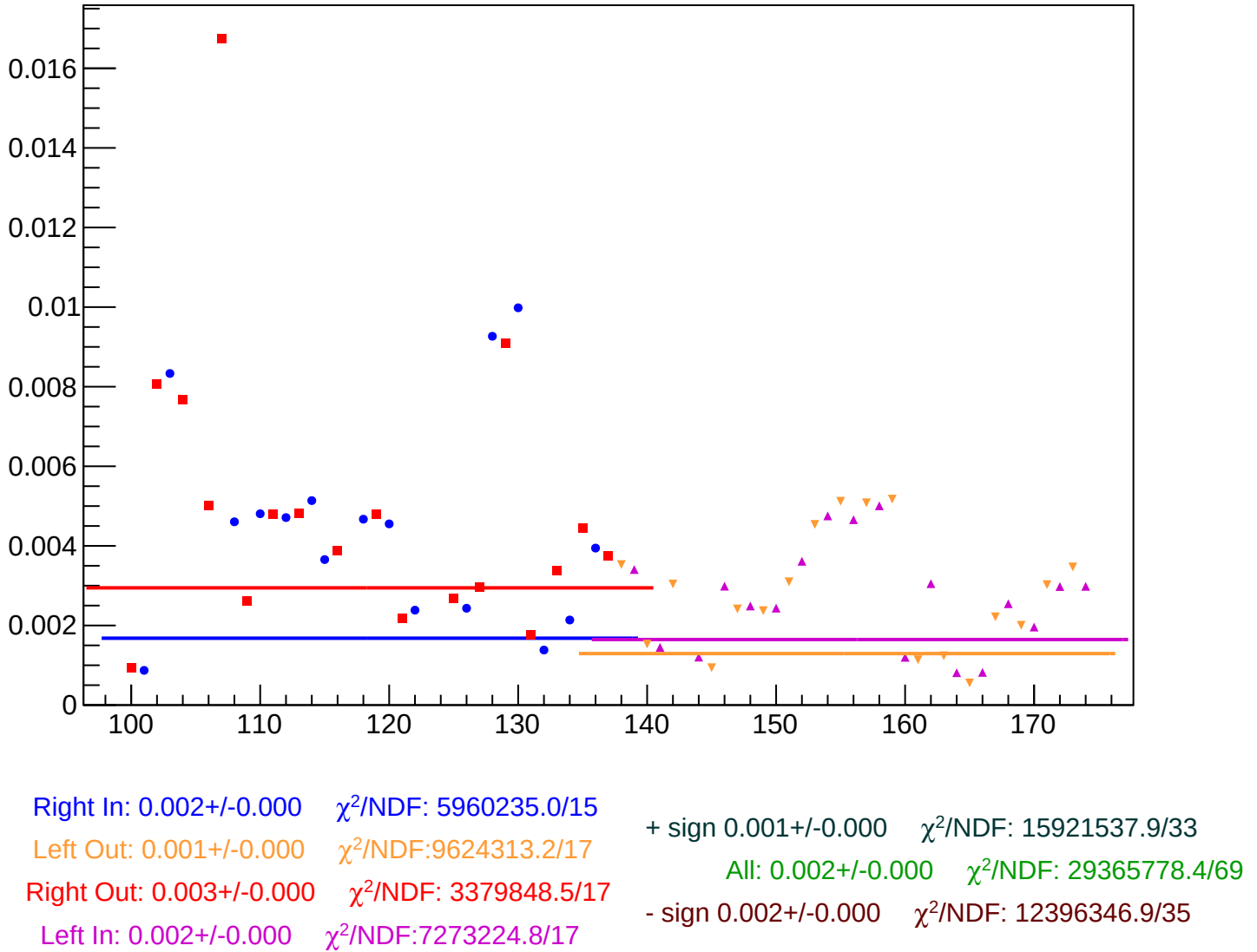
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

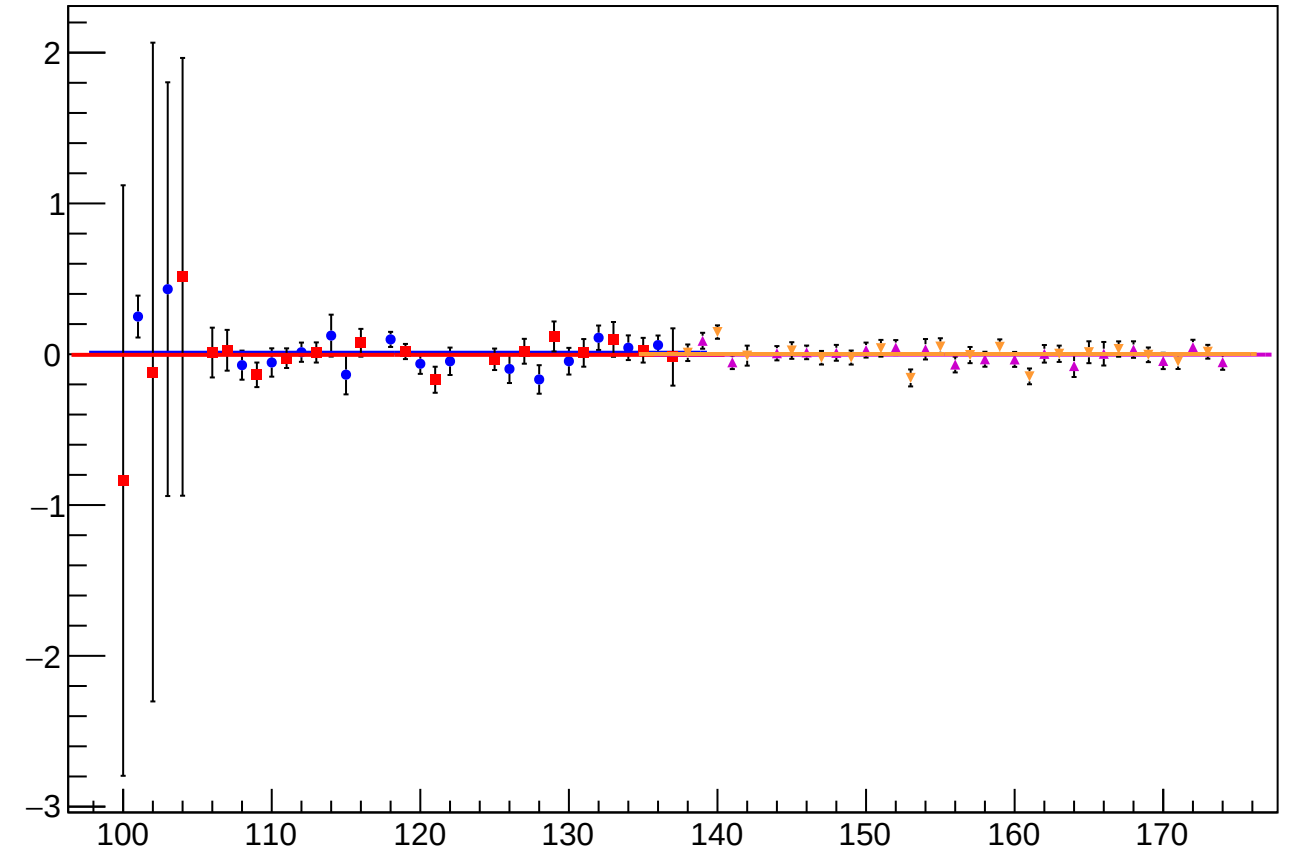
Left In: -0.000+/-0.000 χ^2/NDF:13.7/17

+ sign -0.000+/-0.000 χ^2/NDF: 49.4/33

All: -0.000+/-0.000 χ^2/NDF: 77.1/69

- 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
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 5960235.0/15
Left Out: 0.001+/-0.000 χ²/NDF:9624313.2/17
Right Out: 0.003+/-0.000 χ²/NDF: 3379848.5/17
Left In: 0.002+/-0.000 χ²/NDF:7273224.8/17
+ sign 0.001+/-0.000 χ²/NDF: 15921537.9/33
All: 0.002+/-0.000 χ²/NDF: 29365778.4/69
- sign 0.002+/-0.000 χ²/NDF: 12396346.9/35



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.002+/-0.012 χ^2/NDF:31.1/17

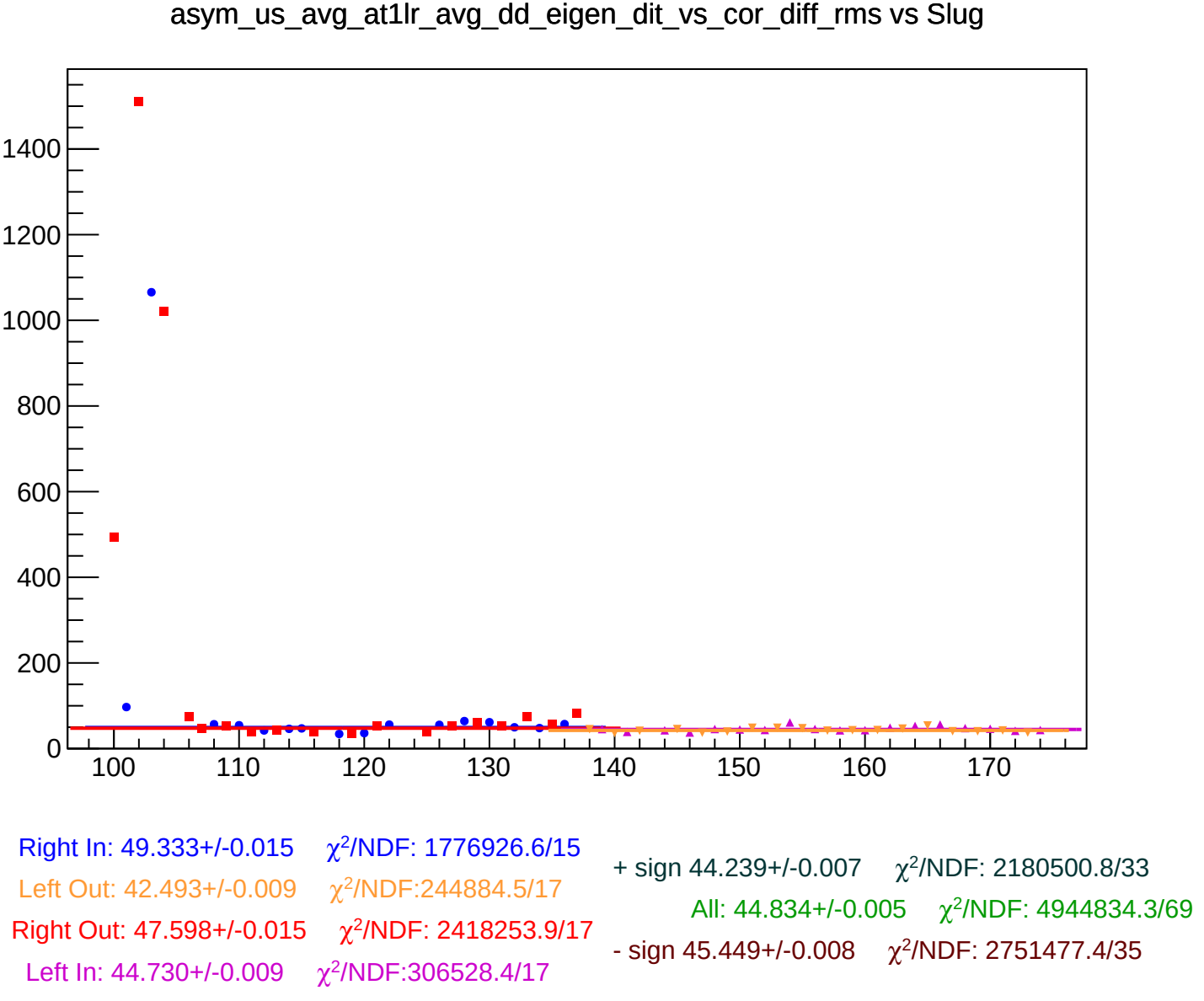
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:12.4/17

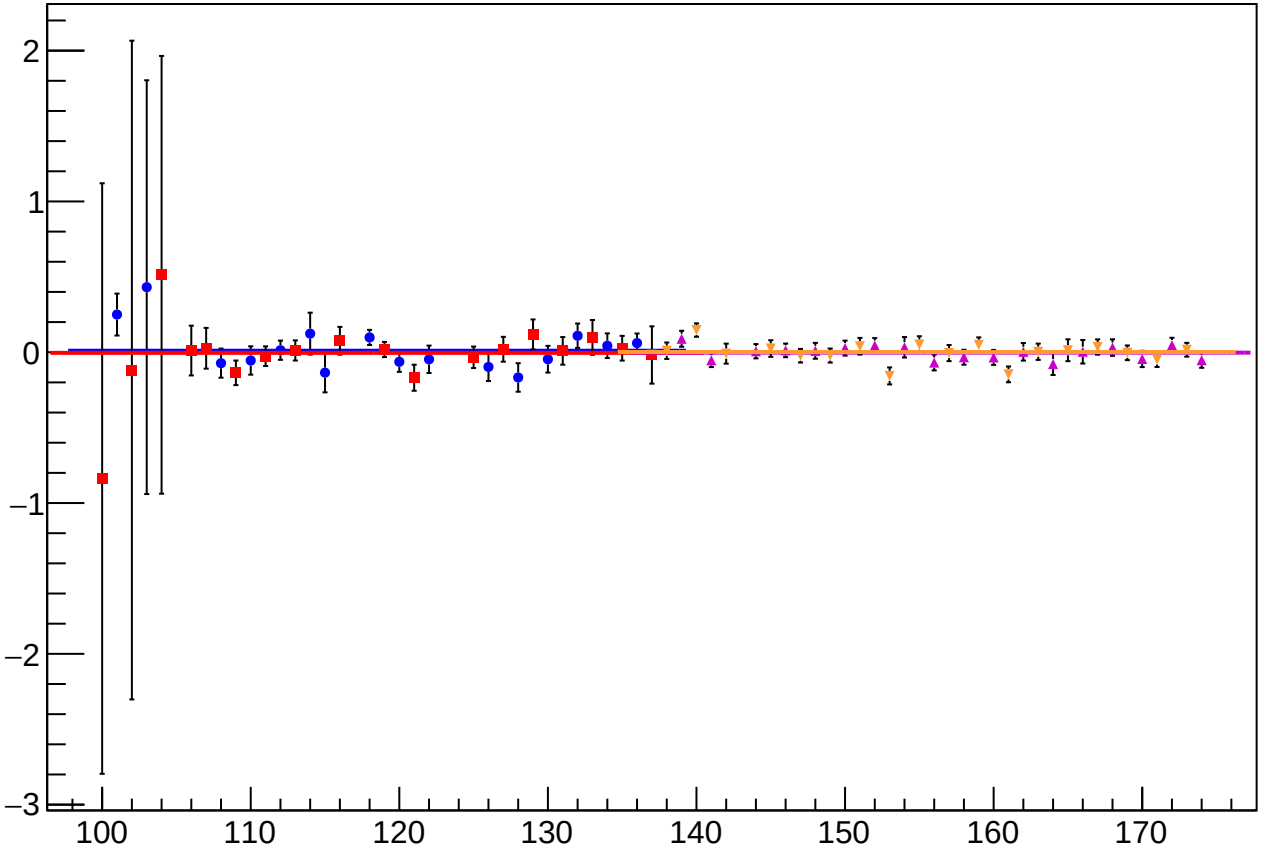
+ sign 0.004+/-0.011 χ^2/NDF: 49.7/33

All: 0.000+/-0.008 χ^2/NDF: 72.8/69

- 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: 42.493+/-0.009 χ²/NDF:244884.5/17
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 44.730+/-0.009 χ²/NDF:306528.4/17
+ sign 44.239+/-0.007 χ²/NDF: 2180500.8/33
All: 44.834+/-0.005 χ²/NDF: 4944834.3/69
- 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: 0.002+/-0.012 χ^2/NDF:31.1/17

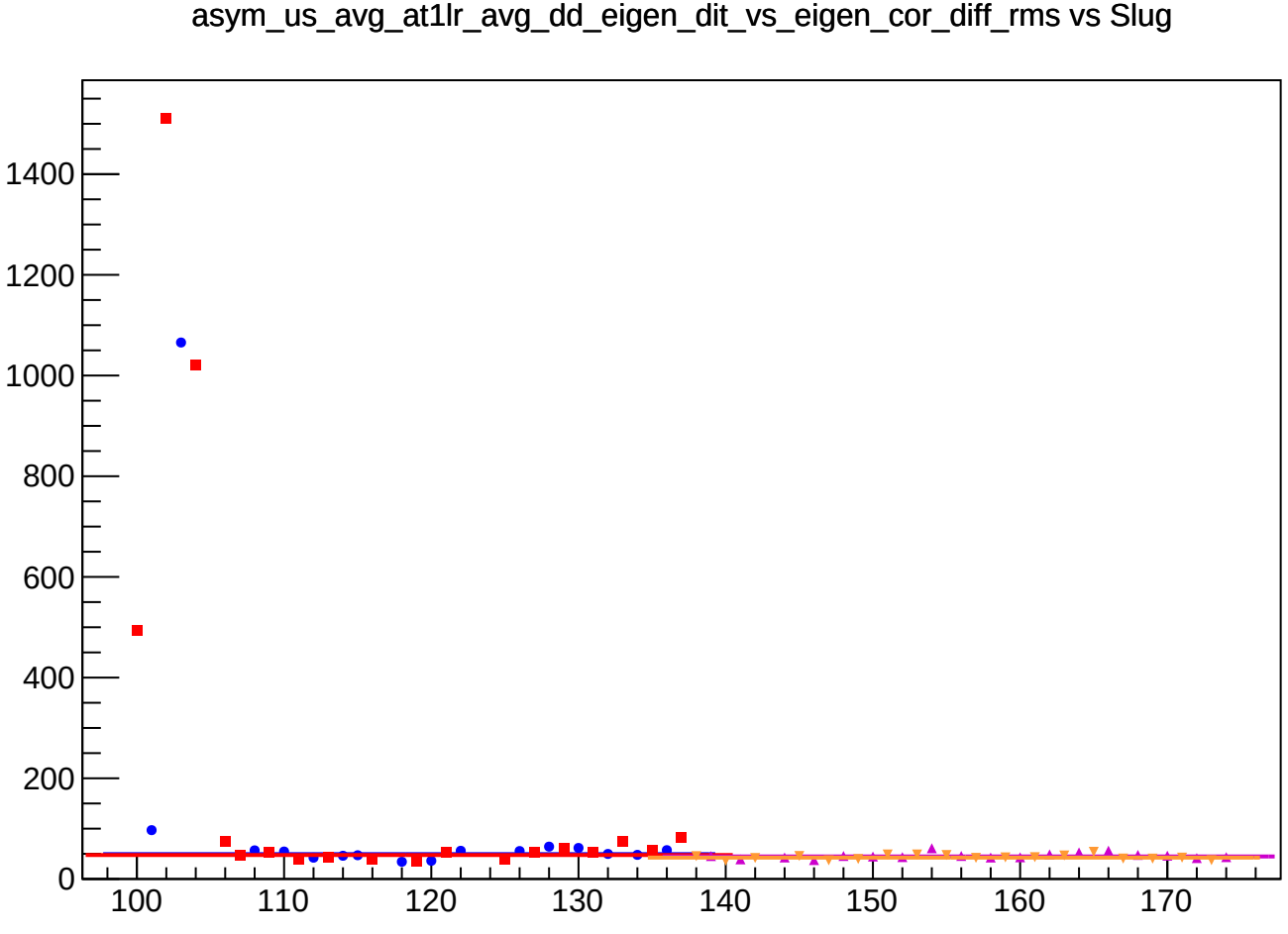
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:12.4/17

+ sign 0.004+/-0.011 χ^2/NDF: 49.7/33

All: 0.000+/-0.008 χ^2/NDF: 72.8/69

- sign -0.003+/-0.011 χ^2/NDF: 22.9/35



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.493+/-0.009 χ^2/NDF:244884.5/17

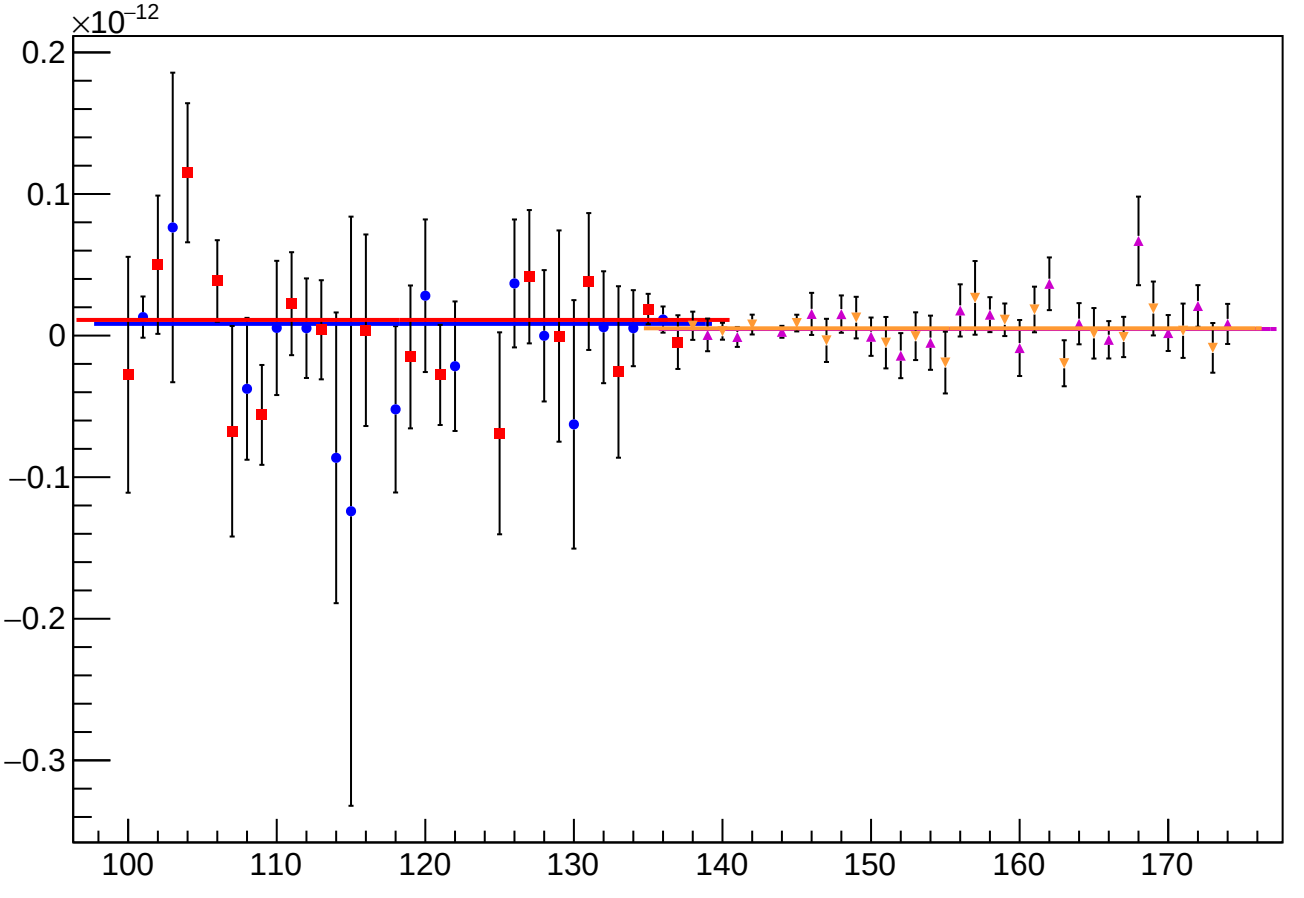
Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

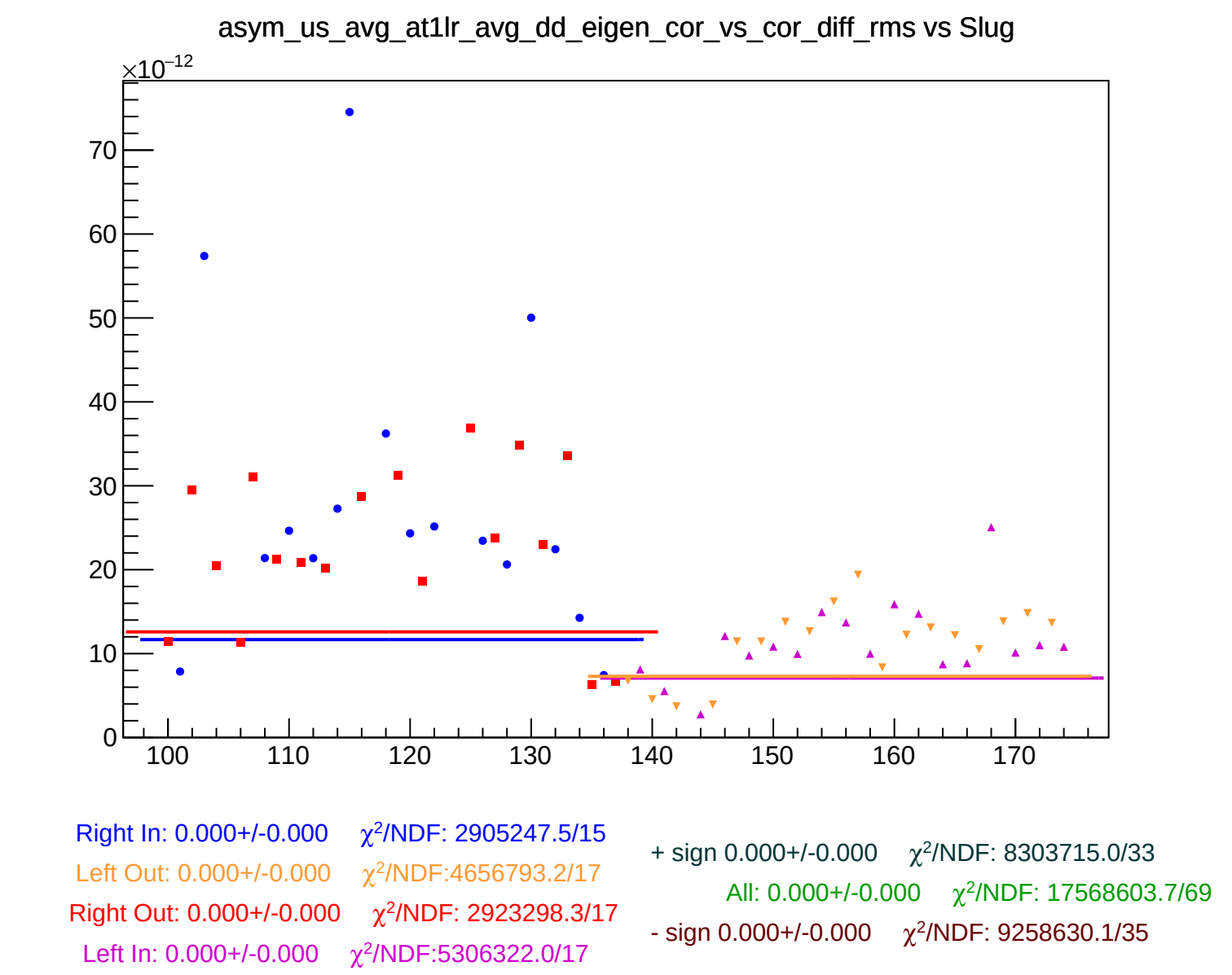
Left In: 44.730+/-0.009 χ^2/NDF:306528.4/17

+ sign 44.239+/-0.007 χ^2/NDF: 2180500.8/33

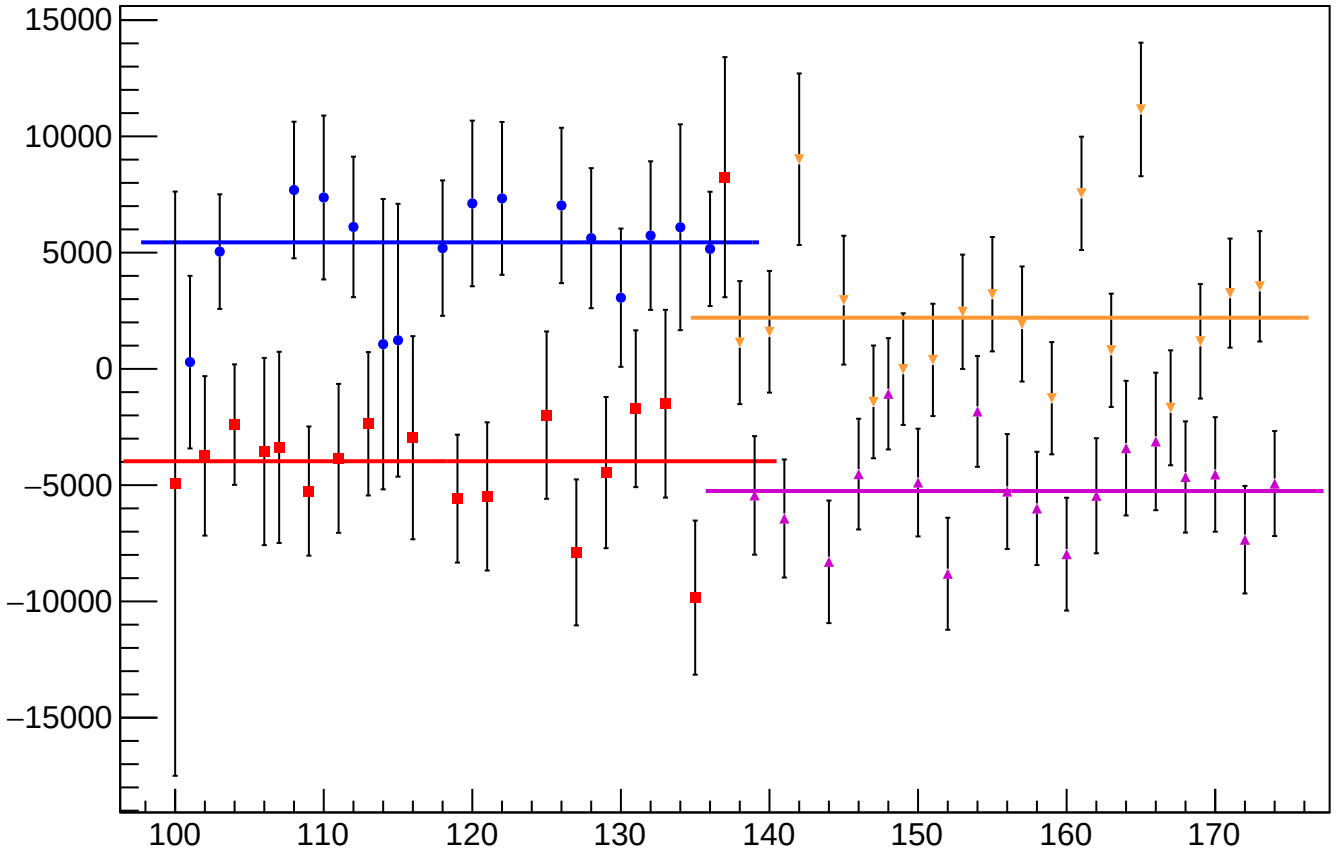
All: 44.834+/-0.005 χ^2/NDF: 4944834.3/69

- 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:8.3/17
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: 13.9/33
All: 0.000+/-0.000 χ²/NDF: 45.0/69
- 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:4656793.2/17
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: 8303715.0/33
All: 0.000+/-0.000 χ²/NDF: 17568603.7/69
- 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: 2200.893+/-595.525 χ^2/NDF:27.6/17

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

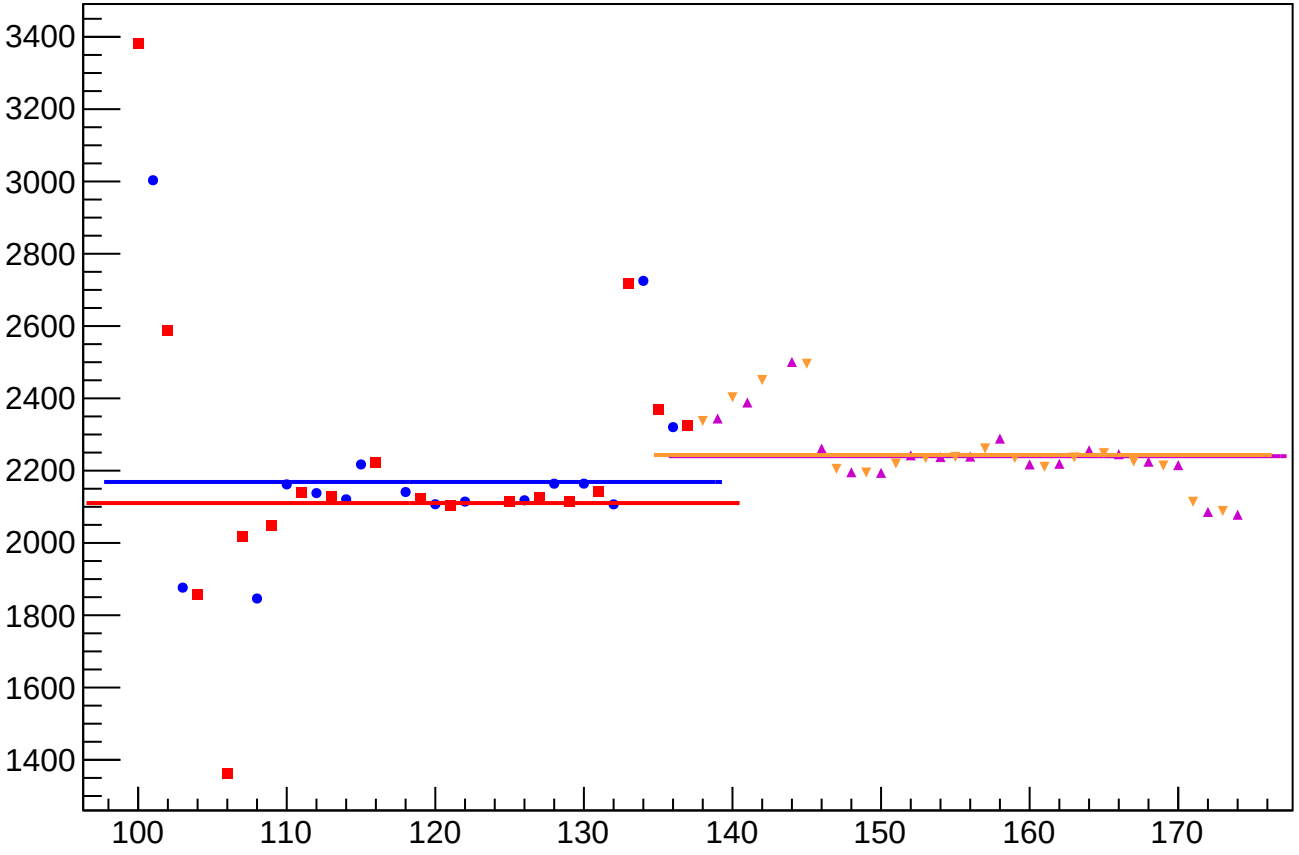
Left In: -5252.475+/-581.195 χ^2/NDF:12.2/17

+ sign 3333.637+/-480.328 χ^2/NDF: 43.4/33

All: -812.528+/-336.667 χ^2/NDF: 216.7/69

- 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: 2243.376+/-0.421 χ^2/NDF:49965.9/17

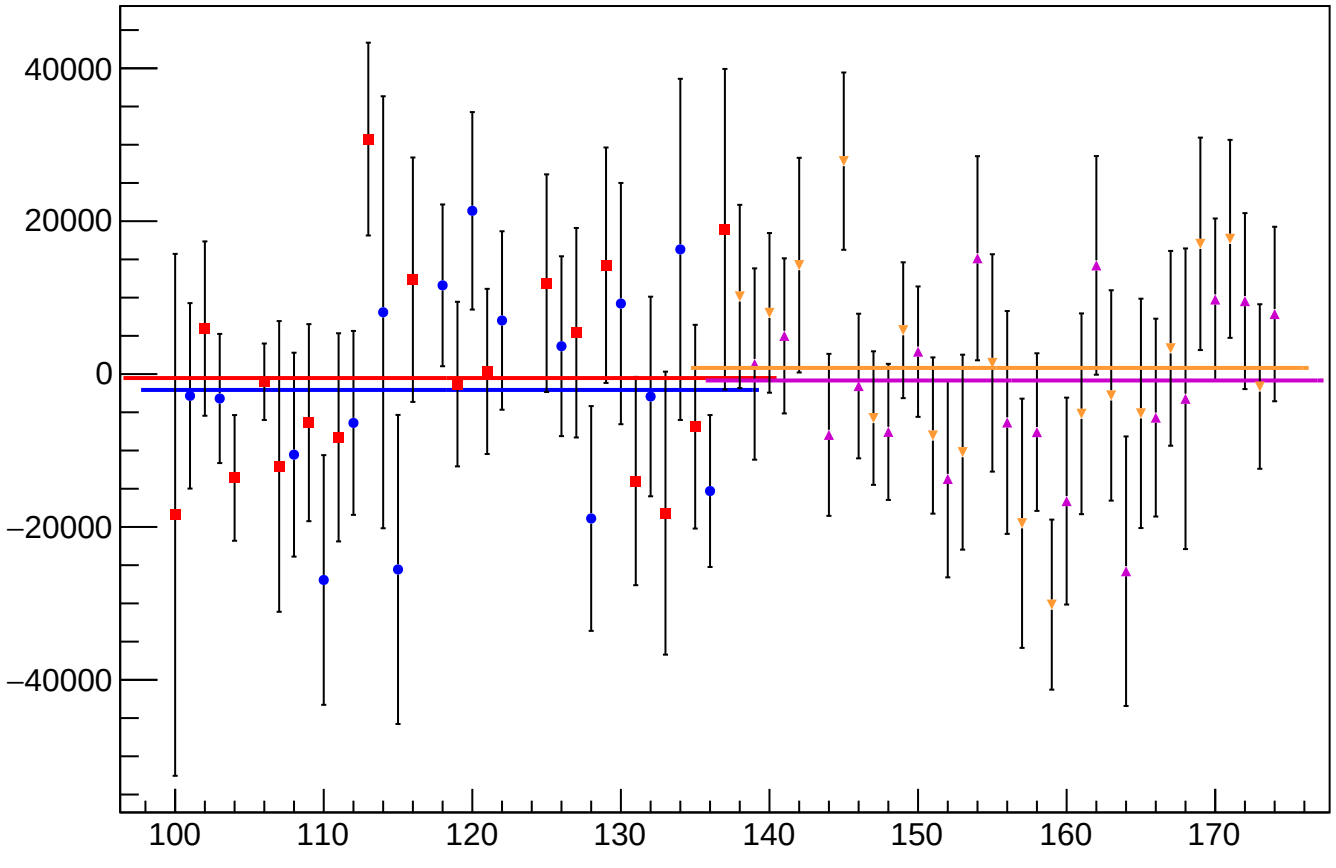
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2240.031+/-0.411 χ^2/NDF:52040.7/17

+ sign 2217.286+/-0.340 χ^2/NDF: 256610.6/33

All: 2205.864+/-0.237 χ^2/NDF: 612882.2/69

- 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: 807.060+/-2790.807 χ^2/NDF:22.7/17

Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

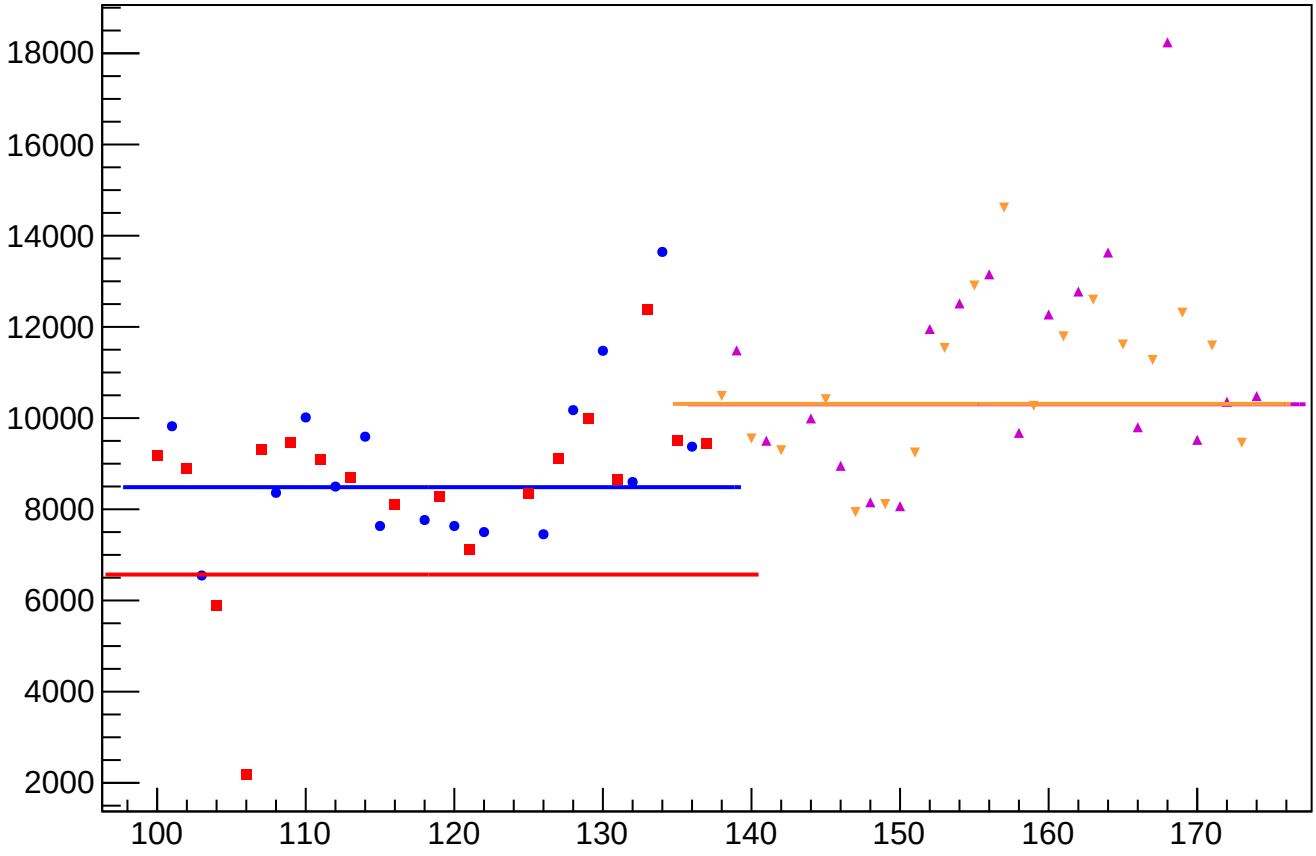
Left In: -836.476+/-2726.071 χ^2/NDF:11.6/17

+ sign -432.630+/-2106.711 χ^2/NDF: 37.6/33

All: -566.616+/-1420.646 χ^2/NDF: 64.9/69

- sign -678.358+/-1923.906 χ^2/NDF: 27.3/35

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10311.029+/-1.973 χ^2/NDF:718890.2/17

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

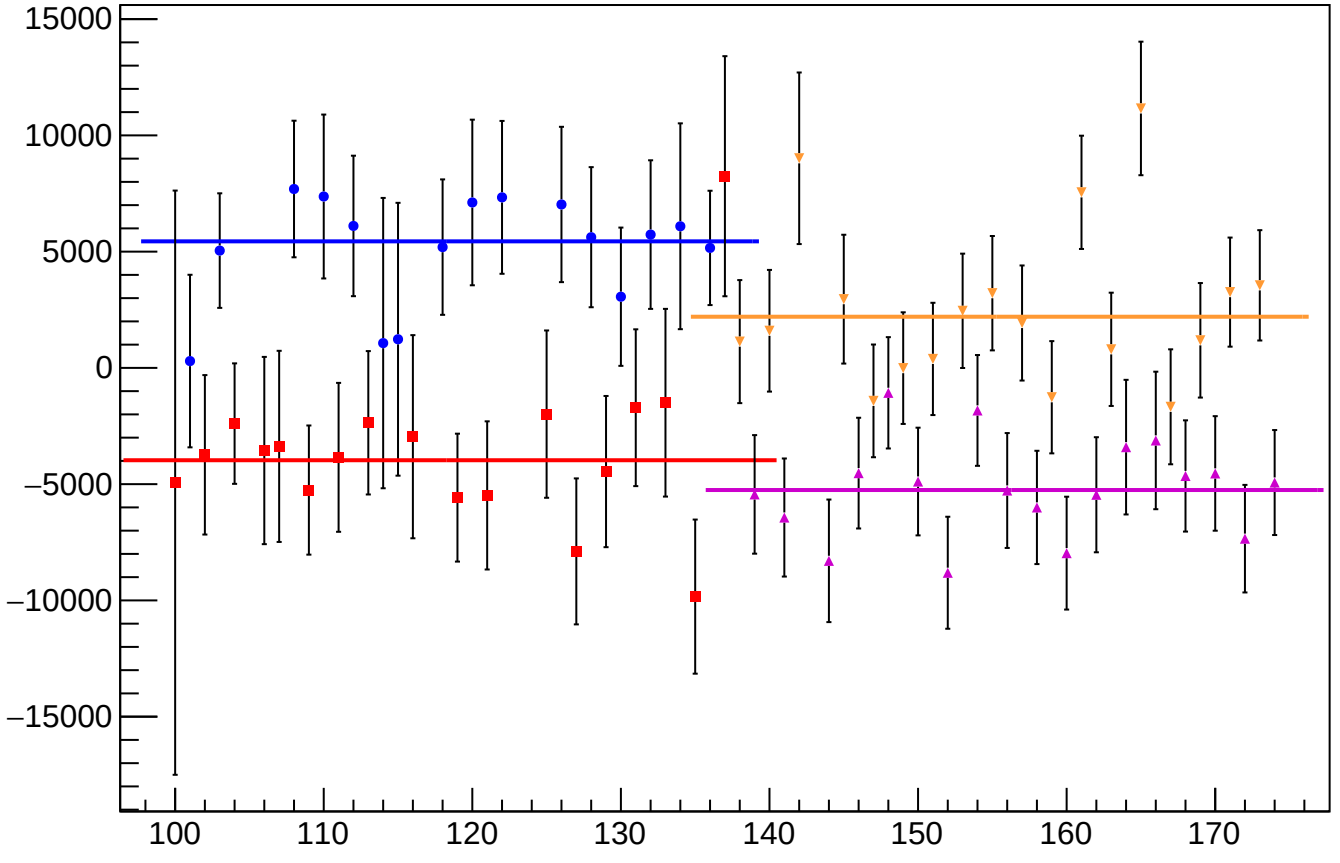
Left In: 10302.702+/-1.928 χ^2/NDF:1011938.2/17

+ sign 9525.538+/-1.490 χ^2/NDF: 1509911.5/33

All: 8927.373+/-1.005 χ^2/NDF: 7269841.5/69

- 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: 2200.794+/-595.525 χ^2/NDF:27.6/17

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

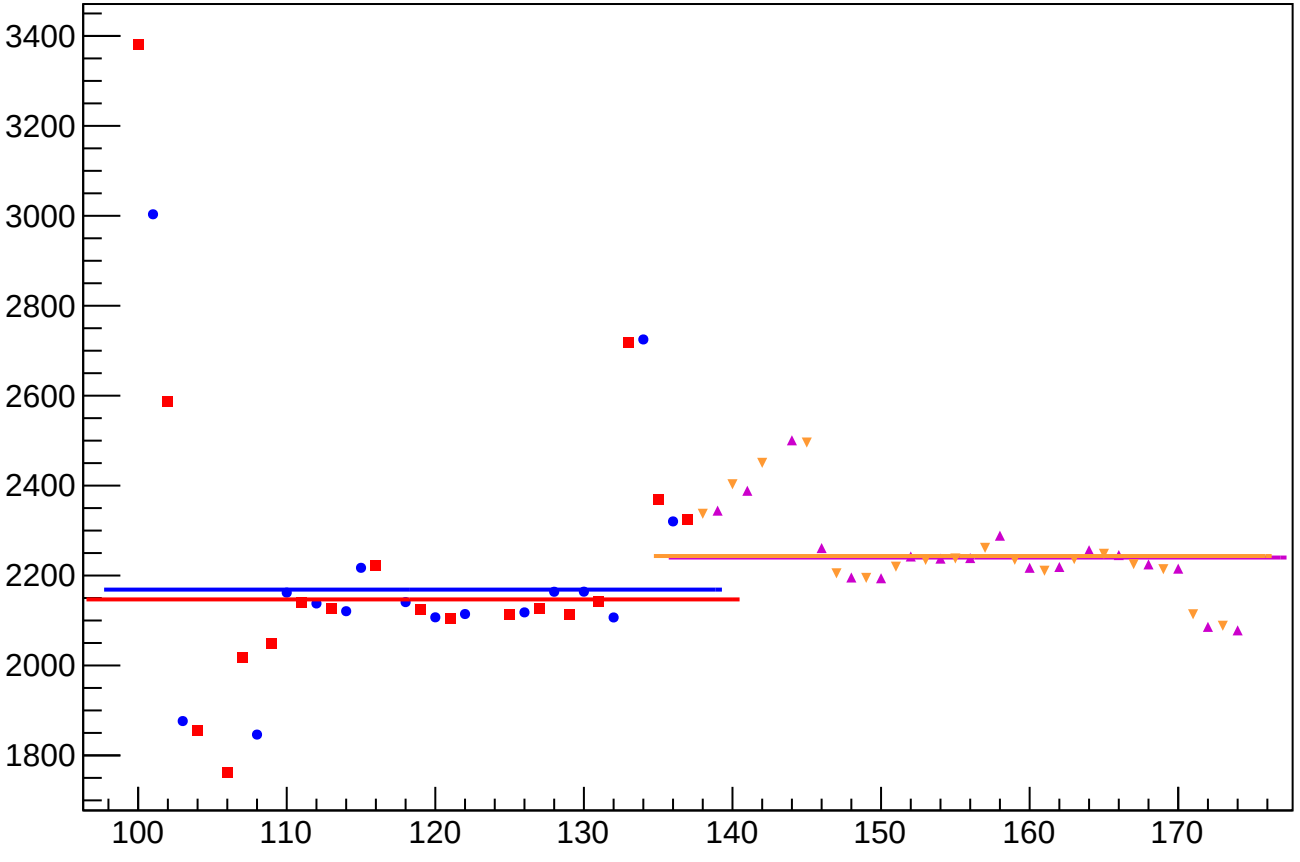
Left In: -5252.456+/-581.195 χ^2/NDF:12.2/17

+ sign 3333.622+/-480.328 χ^2/NDF: 43.4/33

All: -812.484+/-336.667 χ^2/NDF: 216.7/69

- 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: 2243.376+/-0.421 χ^2/NDF:49965.9/17

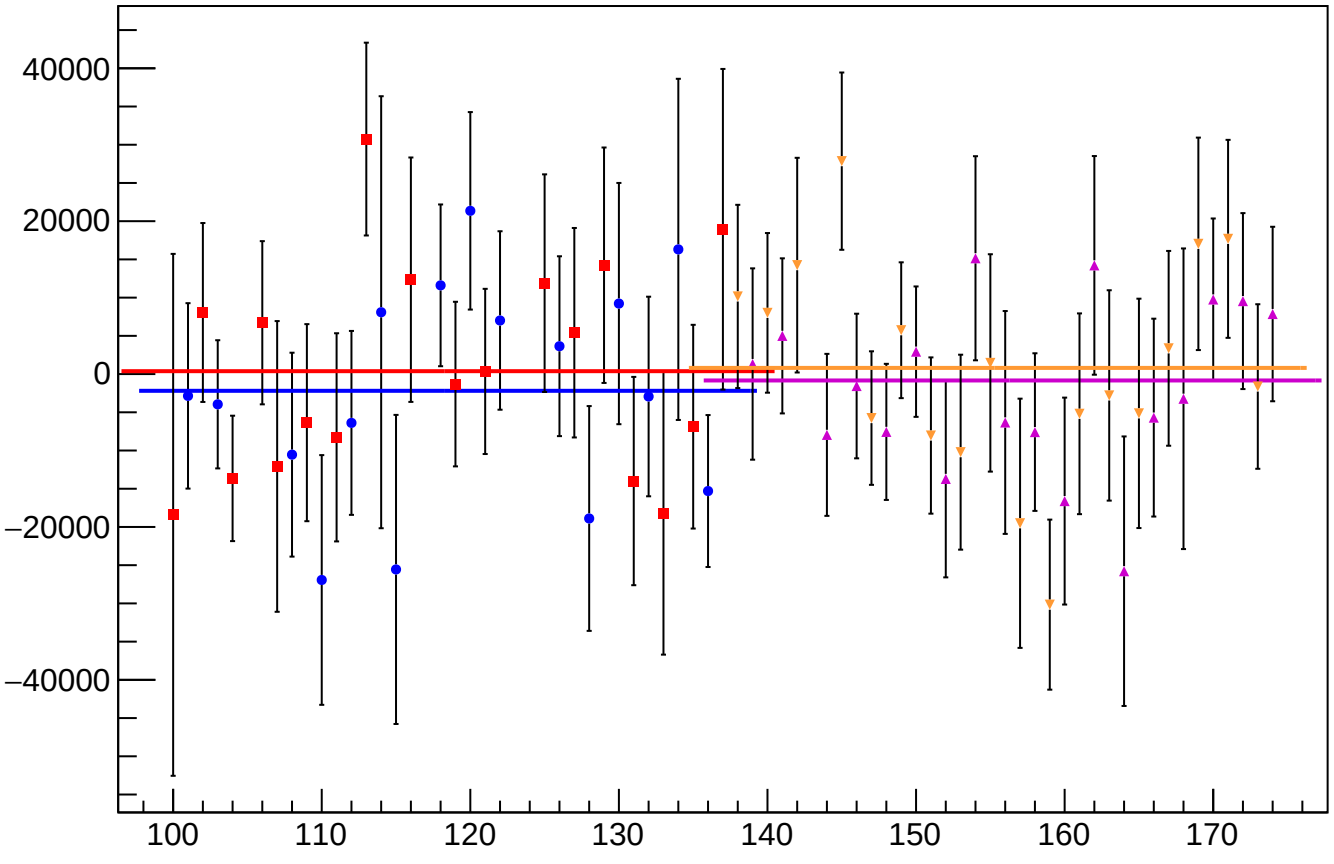
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2240.031+/-0.411 χ^2/NDF:52040.7/17

\+ sign 2217.286+/-0.340 χ^2/NDF: 256611.0/33

All: 2212.613+/-0.238 χ^2/NDF: 484374.5/69

\- 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: 807.052+/-2790.805 χ^2/NDF:22.7/17

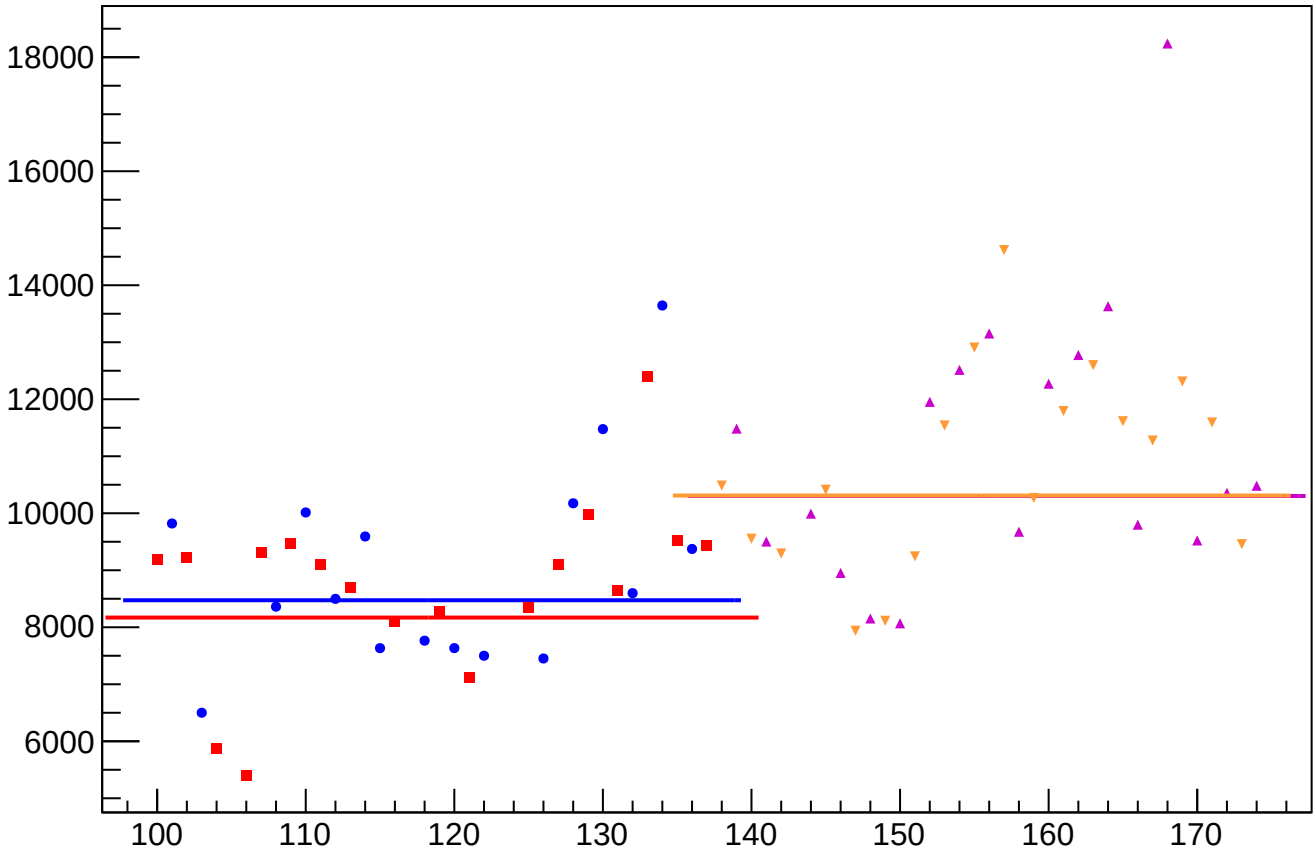
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -836.583+/-2726.070 χ^2/NDF:11.6/17

+ sign -483.483+/-2105.702 χ^2/NDF: 37.7/33

All: -392.432+/-1467.805 χ^2/NDF: 65.7/69

- 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: 10311.022+/-1.973 χ^2/NDF:718891.0/17

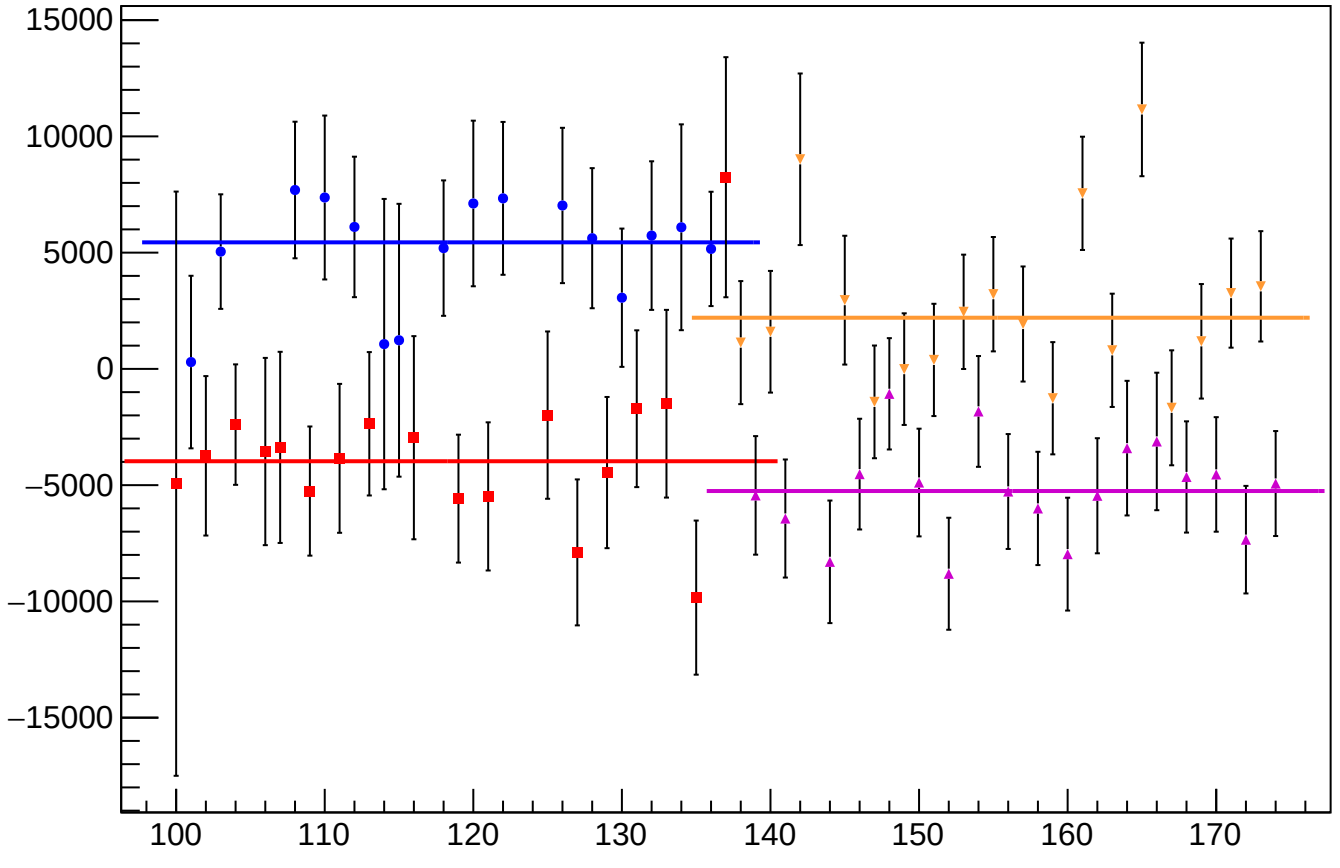
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10302.698+/-1.928 χ^2/NDF:1011944.4/17

+ sign 9519.690+/-1.489 χ^2/NDF: 1521778.3/33

All: 9444.104+/-1.038 χ^2/NDF: 3612460.9/69

- 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: 2200.794+/-595.525 χ^2/NDF:27.6/17

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

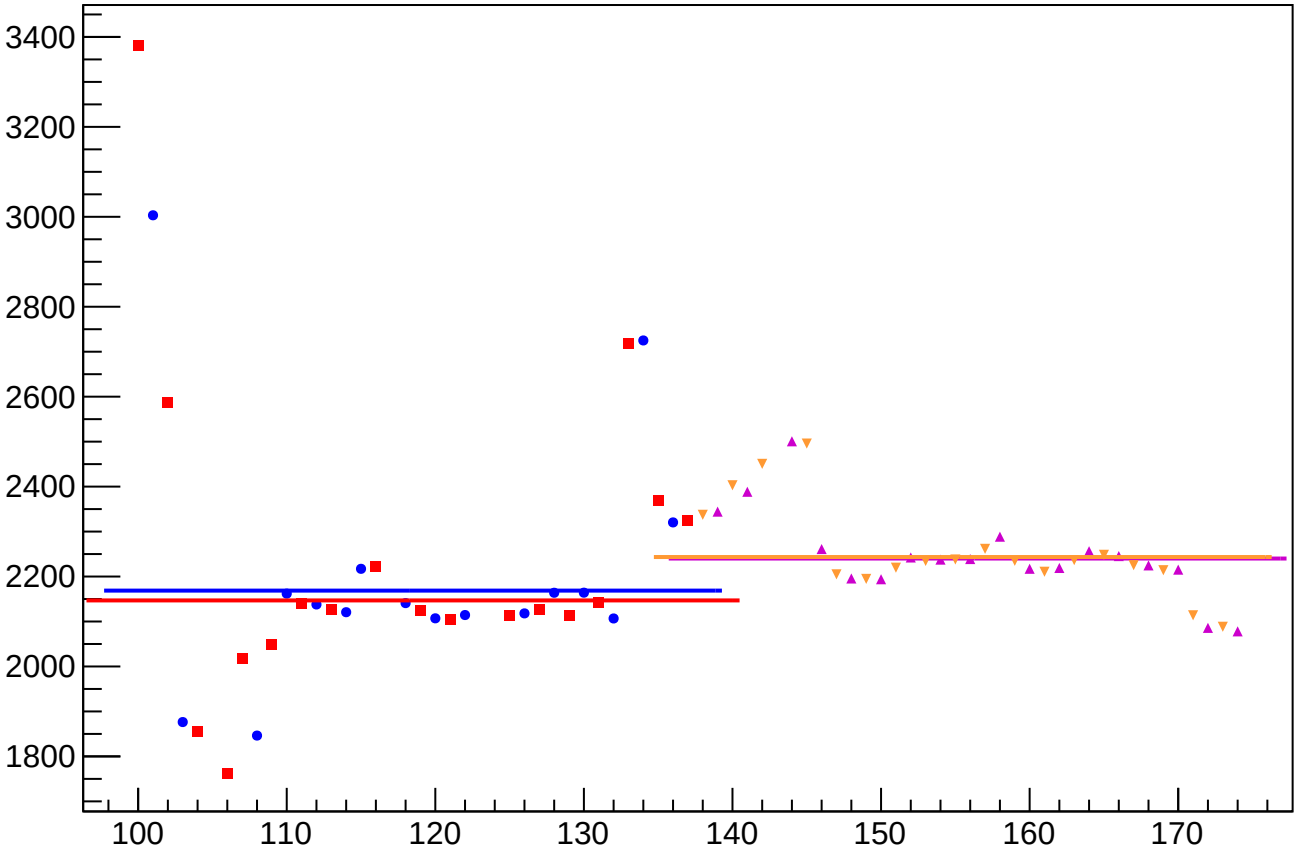
Left In: -5252.456+/-581.195 χ^2/NDF:12.2/17

+ sign 3333.622+/-480.328 χ^2/NDF: 43.4/33

All: -812.484+/-336.667 χ^2/NDF: 216.7/69

- 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: 2243.376+/-0.421 χ^2/NDF:49965.9/17

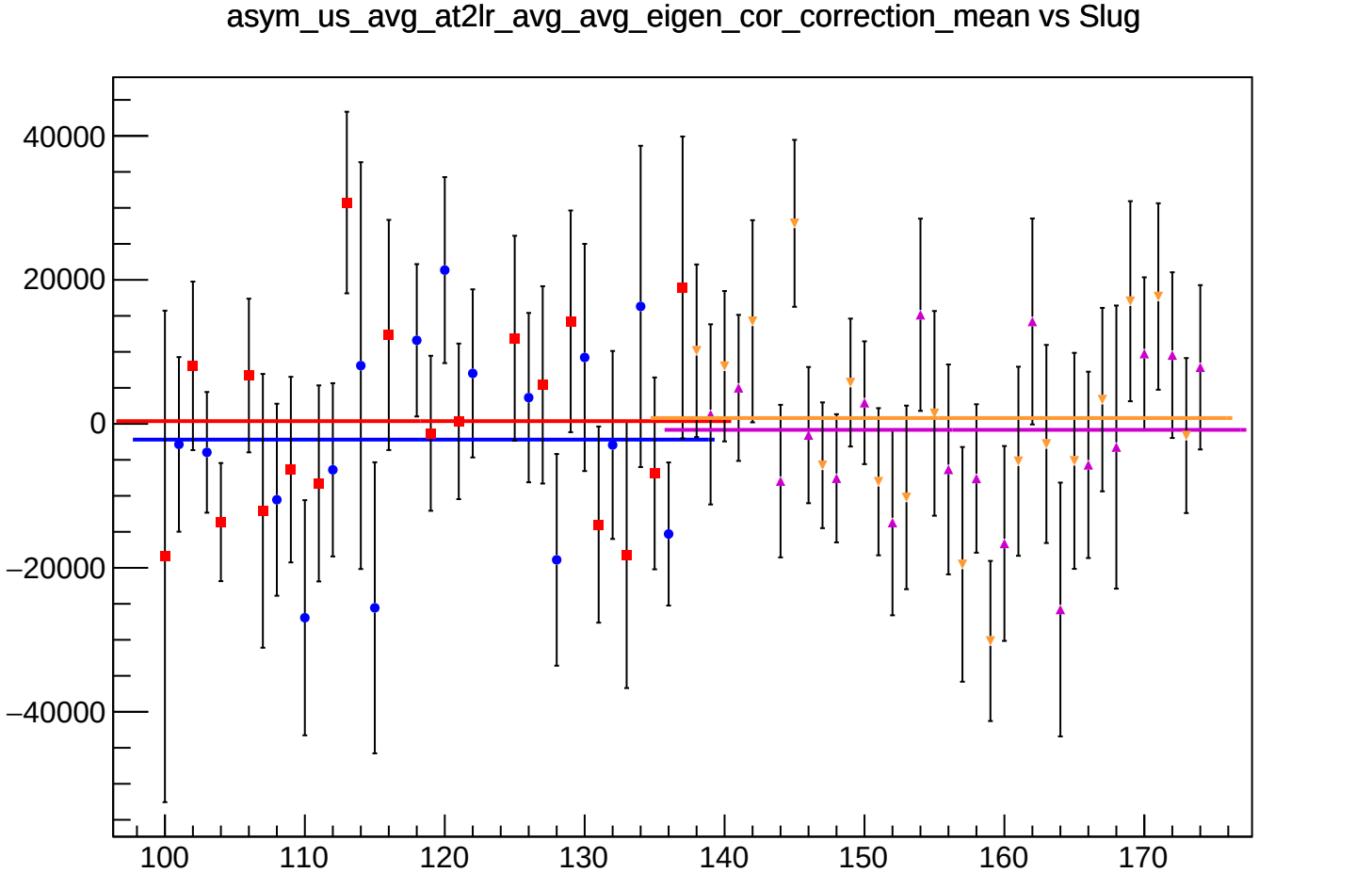
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2240.031+/-0.411 χ^2/NDF:52040.7/17

\+ sign 2217.286+/-0.340 χ^2/NDF: 256611.0/33

All: 2212.613+/-0.238 χ^2/NDF: 484374.5/69

\- 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: 807.052+/-2790.805 χ^2/NDF:22.7/17

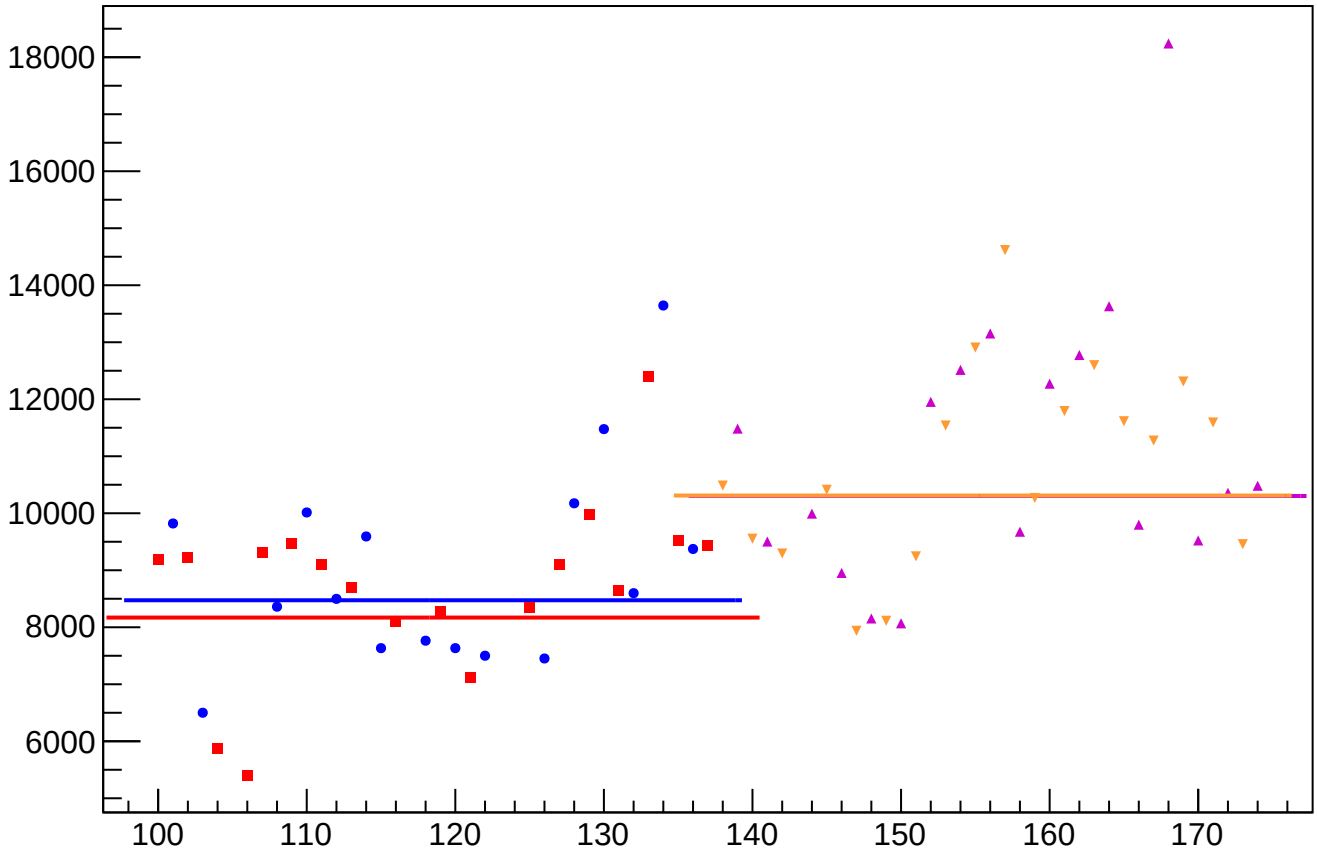
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -836.583+/-2726.070 χ^2/NDF:11.6/17

+ sign -483.483+/-2105.702 χ^2/NDF: 37.7/33

All: -392.432+/-1467.805 χ^2/NDF: 65.7/69

- 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: 10311.022+/-1.973 χ^2/NDF:718891.0/17

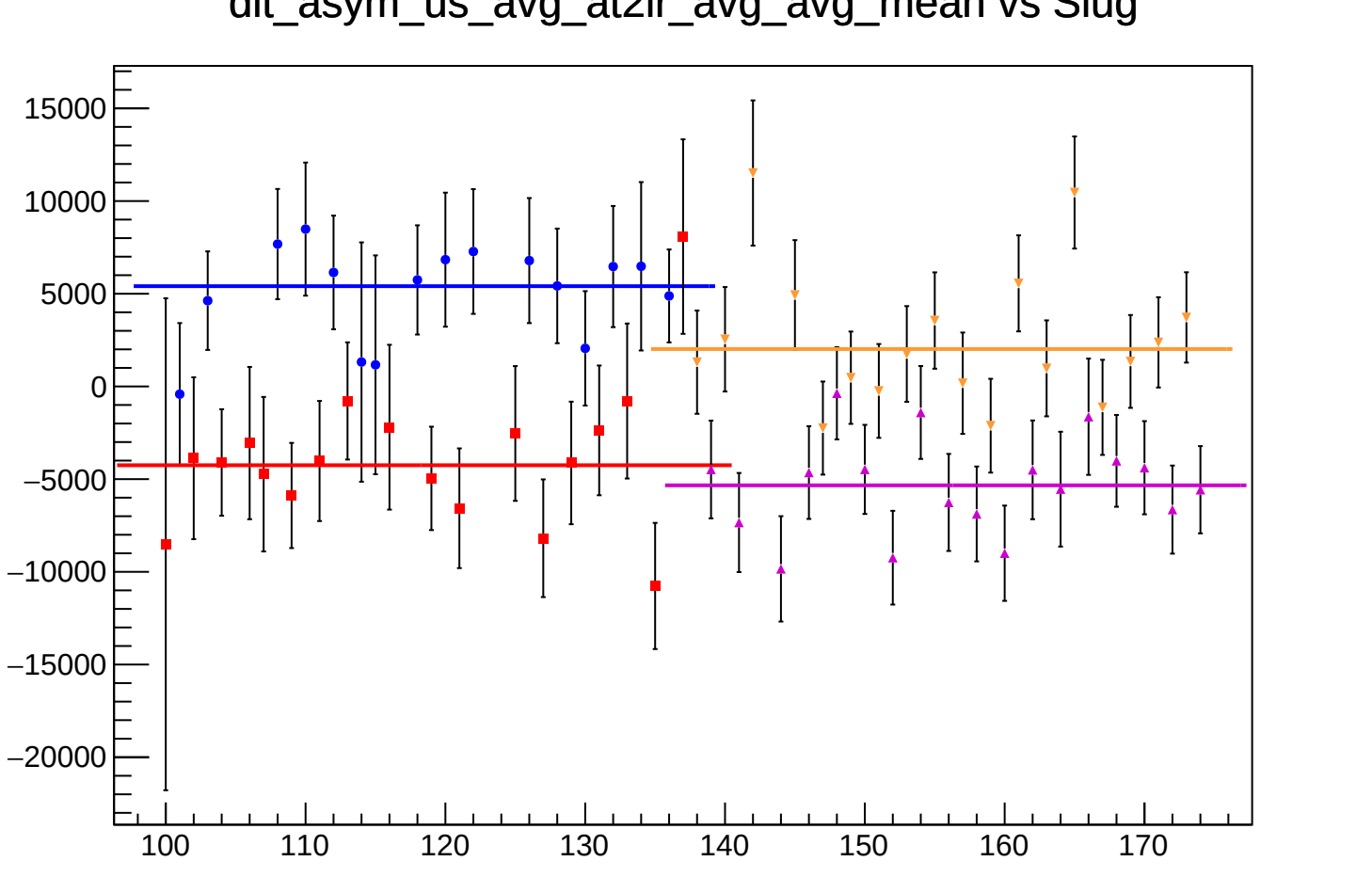
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10302.698+/-1.928 χ^2/NDF:1011944.4/17

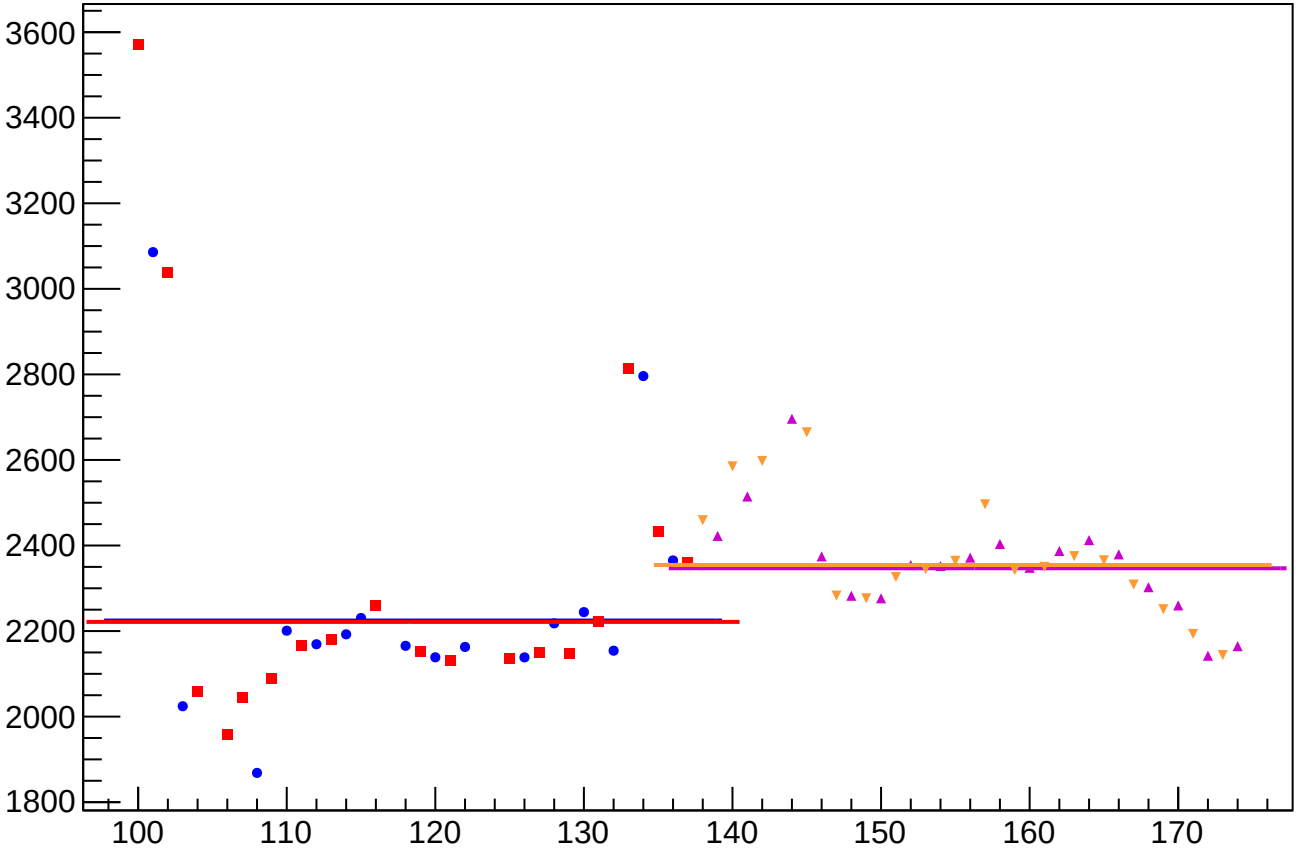
+ sign 9519.690+/-1.489 χ^2/NDF: 1521778.3/33

All: 9444.104+/-1.038 χ^2/NDF: 3612460.9/69

- sign 9372.665+/-1.448 χ^2/NDF: 2085669.9/35


dit_asym_us_avg_at2lr_avg_avg_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 5407.867+/-833.689 χ²/NDF: 6.7/15
Left Out: 2018.417+/-625.564 χ²/NDF:26.4/17
Right Out: -4249.899+/-839.336 χ²/NDF: 14.5/17
Left In: -5334.143+/-609.242 χ²/NDF:17.0/17
+ sign 3239.363+/-500.366 χ²/NDF: 43.7/33
All: -920.729+/-351.196 χ²/NDF: 212.5/69
- sign -4960.005+/-493.046 χ²/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: 2354.492+/-0.442 χ^2/NDF:83135.2/17

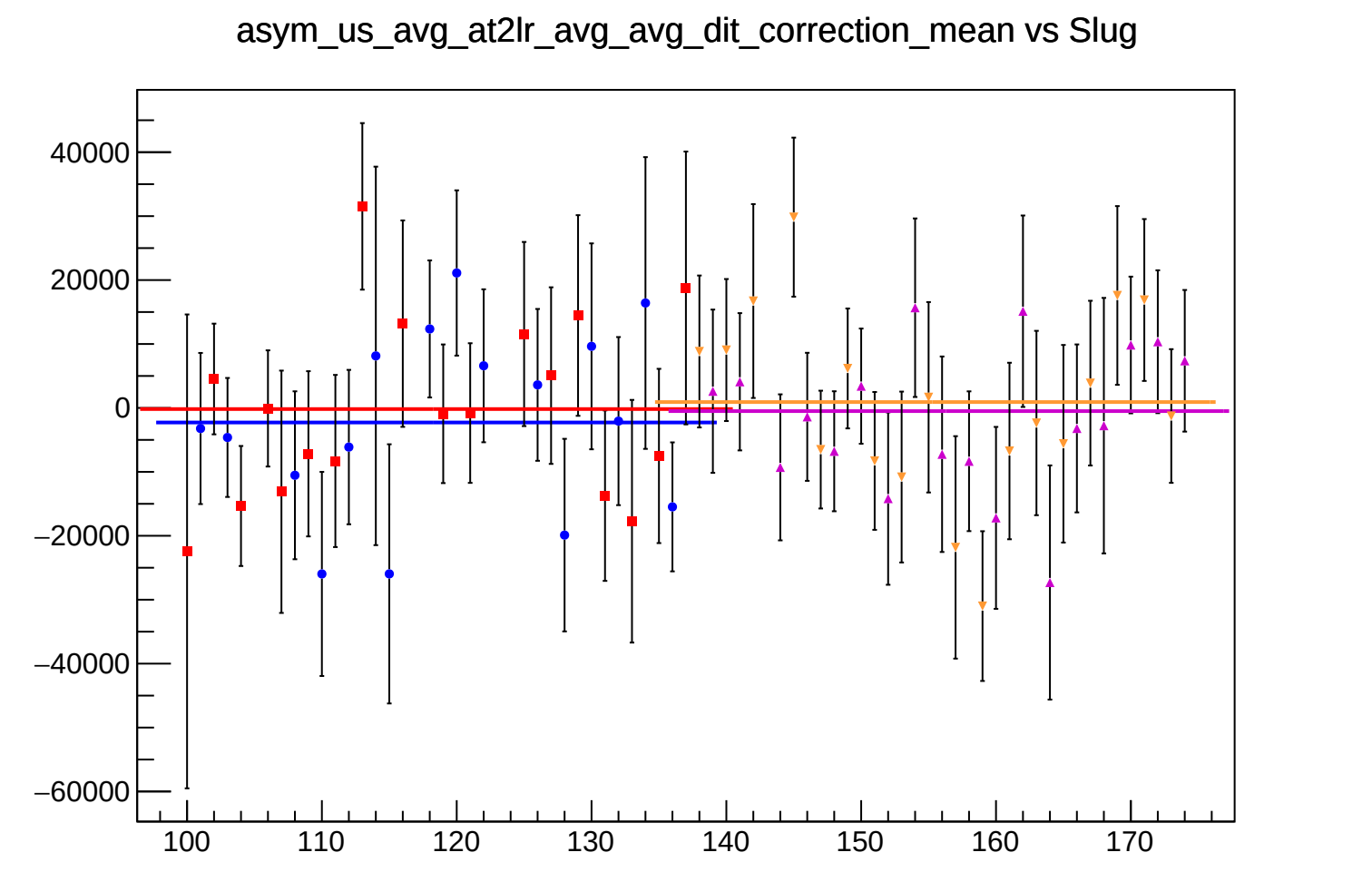
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2346.747+/-0.431 χ^2/NDF:75661.4/17

\+ sign 2307.707+/-0.354 χ^2/NDF: 298869.5/33

All: 2305.556+/-0.248 χ^2/NDF: 573773.4/69

\- 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: 917.663+/-2896.033 χ^2/NDF:22.7/17

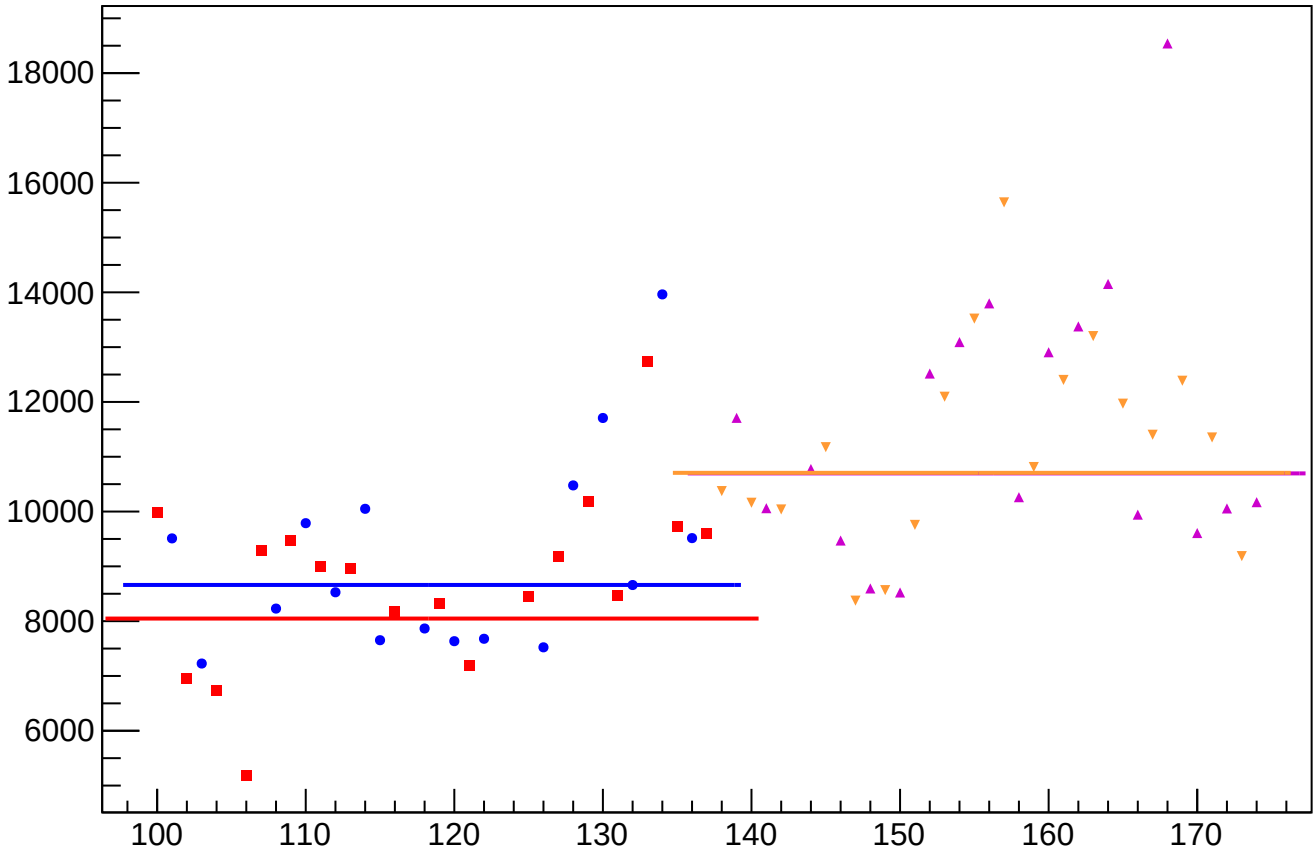
Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -498.184+/-2828.664 χ^2/NDF:11.6/17

+ sign -486.414+/-2168.529 χ^2/NDF: 37.7/33

All: -414.447+/-1497.098 χ^2/NDF: 65.0/69

- 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: 10706.342+/-2.048 χ^2/NDF:700575.2/17

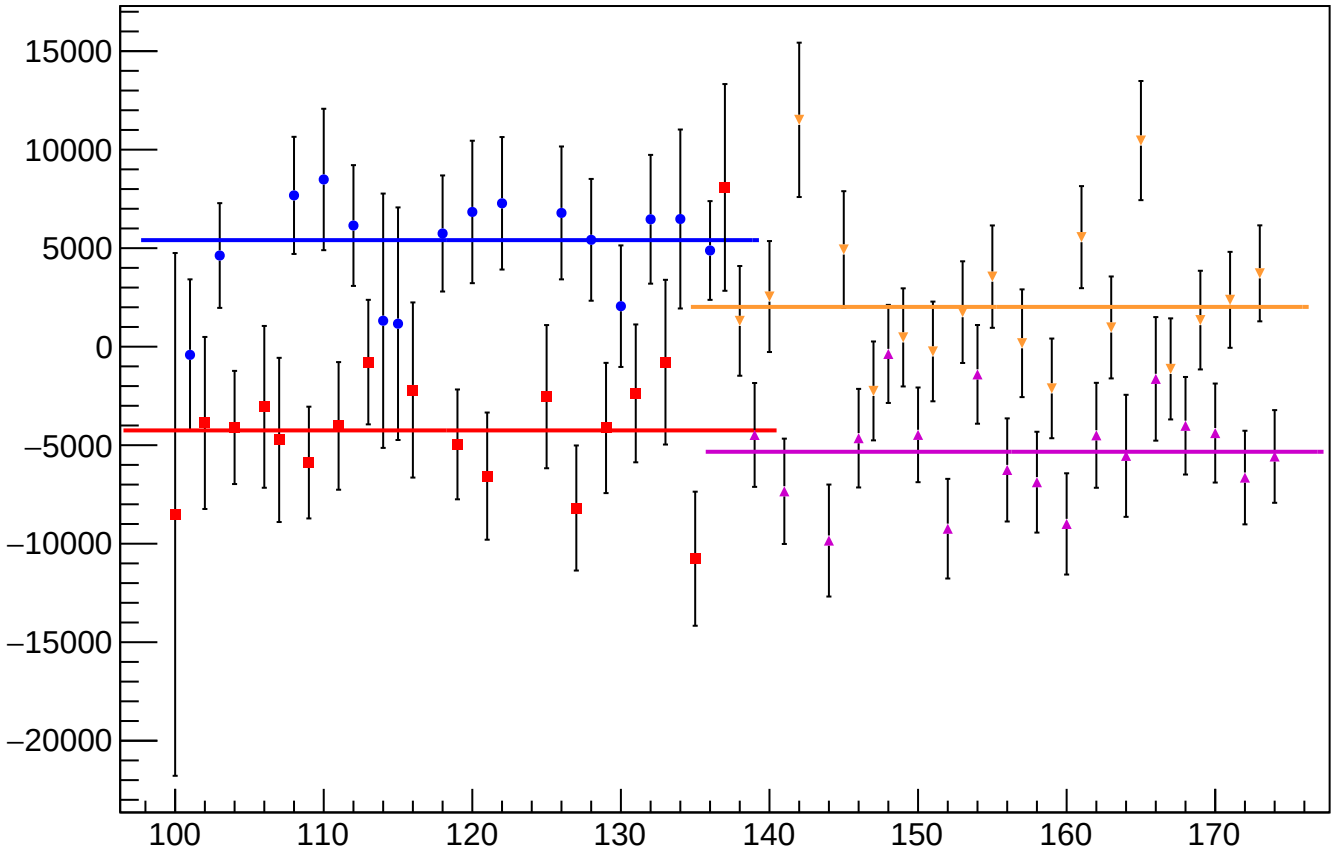
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10696.170+/-2.000 χ^2/NDF:977098.3/17

+ sign 9807.687+/-1.533 χ^2/NDF: 1496905.0/33

All: 9628.362+/-1.059 χ^2/NDF: 3873771.9/69

- 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: 2018.407+/-625.565 χ^2/NDF:26.4/17

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

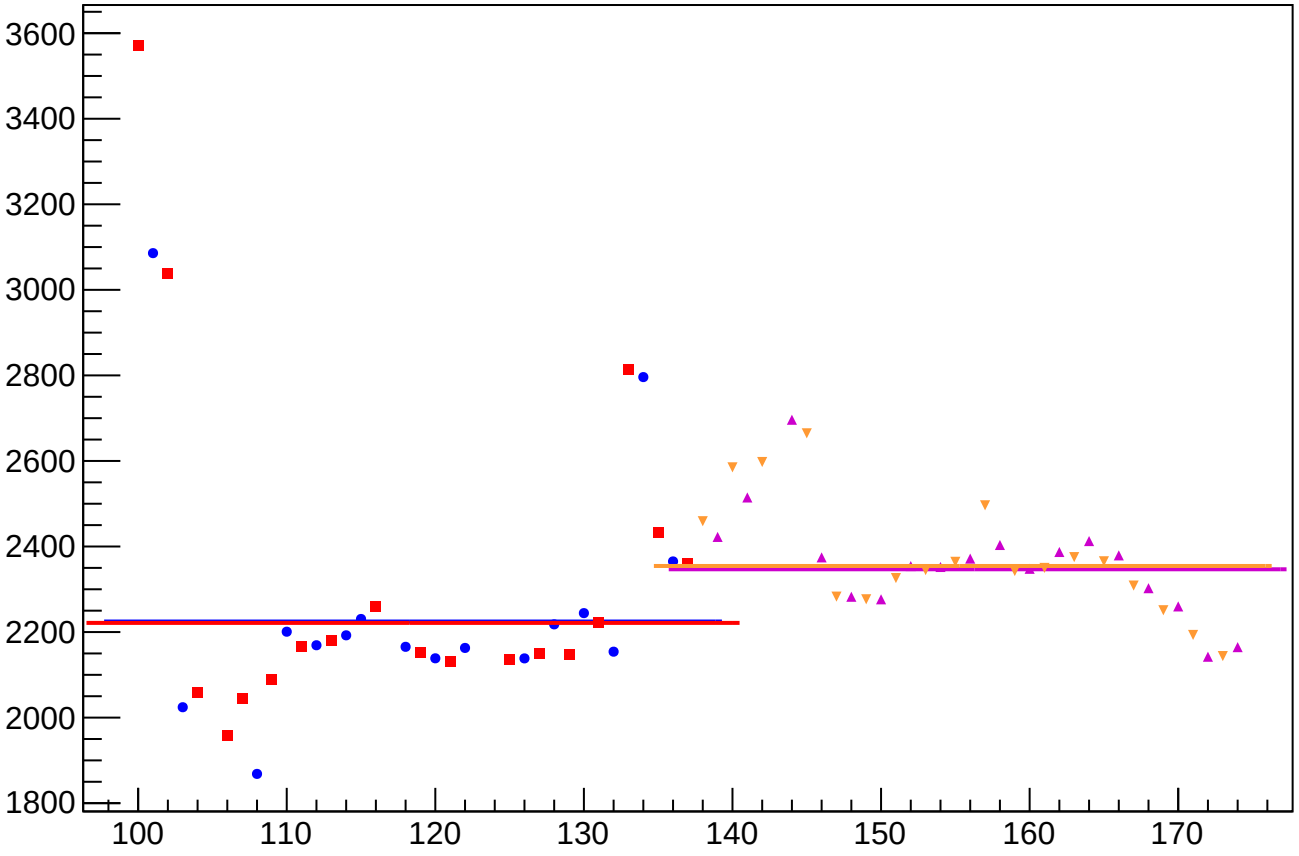
Left In: -5334.145+/-609.242 χ^2/NDF:17.0/17

+ sign 3239.359+/-500.366 χ^2/NDF: 43.7/33

All: -920.732+/-351.196 χ^2/NDF: 212.5/69

- 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: 2354.494+/-0.442 χ^2/NDF:83138.2/17

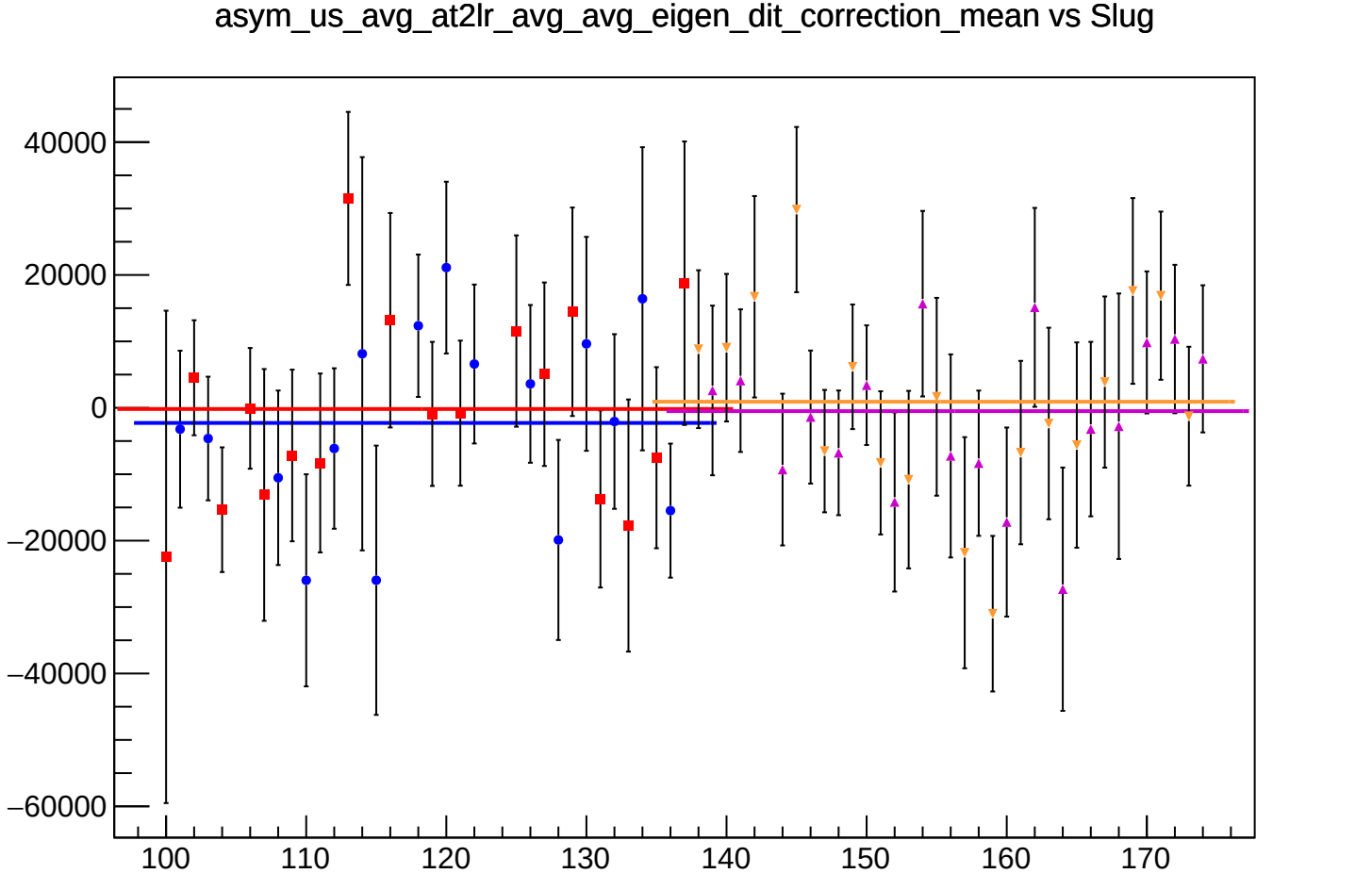
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2346.750+/-0.431 χ^2/NDF:75664.0/17

+ sign 2307.708+/-0.354 χ^2/NDF: 298874.2/33

All: 2305.557+/-0.248 χ^2/NDF: 573782.1/69

- sign 2303.469+/-0.349 χ^2/NDF: 274835.1/35



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 917.656+/-2896.037 χ^2/NDF:22.7/17

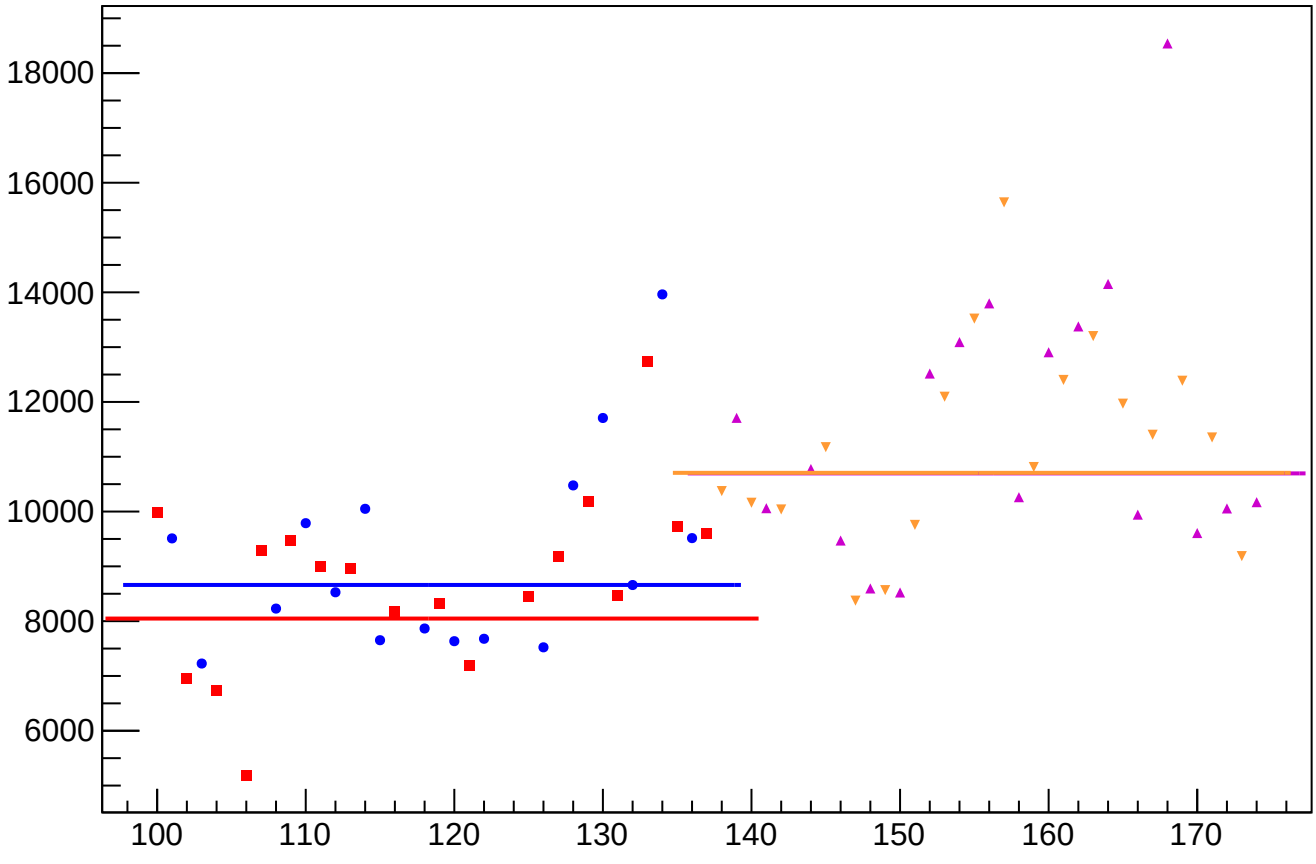
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -498.183+/-2828.668 χ^2/NDF:11.6/17

+ sign -486.414+/-2168.528 χ^2/NDF: 37.7/33

All: -414.448+/-1497.098 χ^2/NDF: 65.0/69

- sign -348.911+/-2069.383 χ^2/NDF: 27.3/35



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10706.359+/-2.048 χ^2/NDF:700576.4/17

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

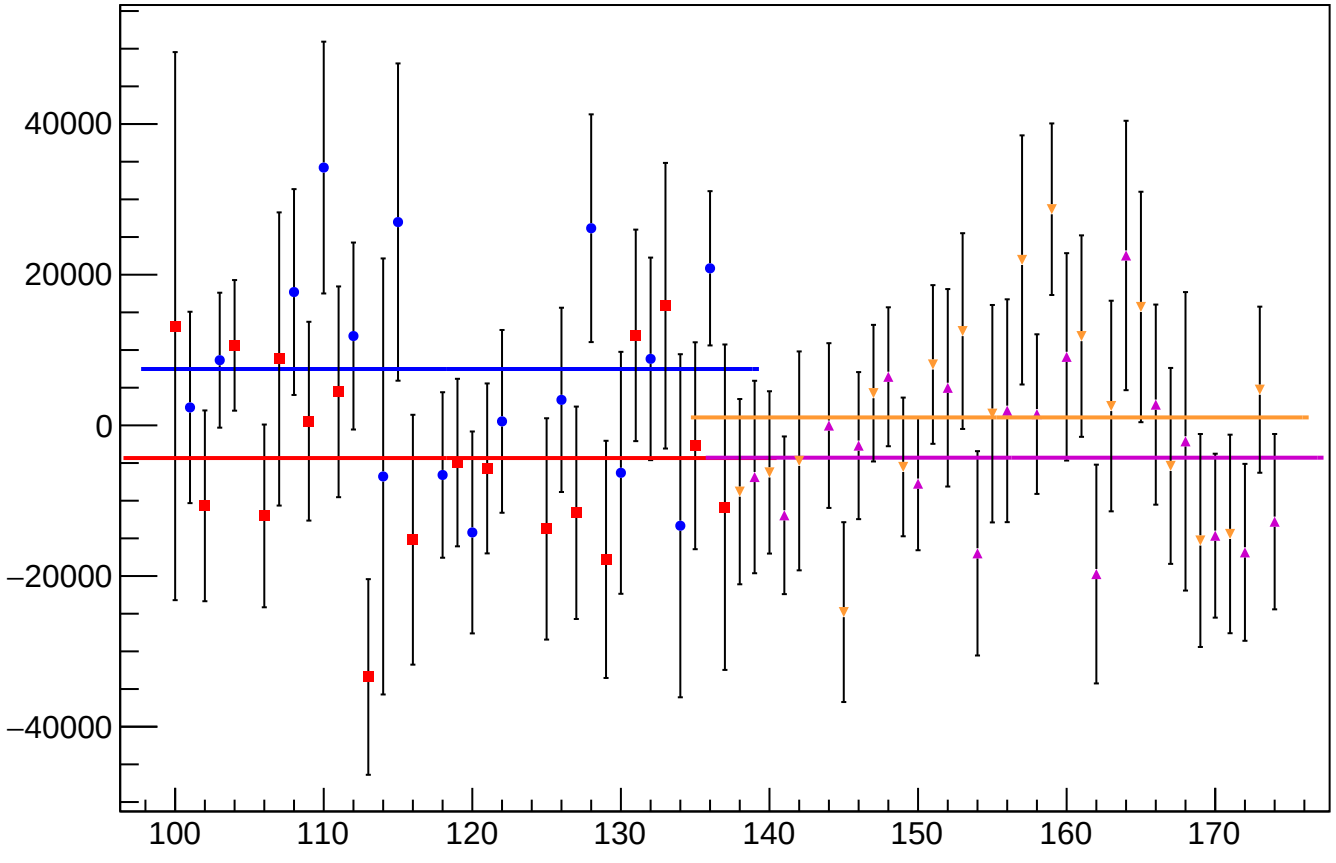
Left In: 10696.187+/-2.000 χ^2/NDF:977100.0/17

+ sign 9807.683+/-1.533 χ^2/NDF: 1496925.3/33

All: 9628.358+/-1.059 χ^2/NDF: 3873814.2/69

- 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: 1055.580+/-2863.656 χ^2/NDF:19.9/17

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

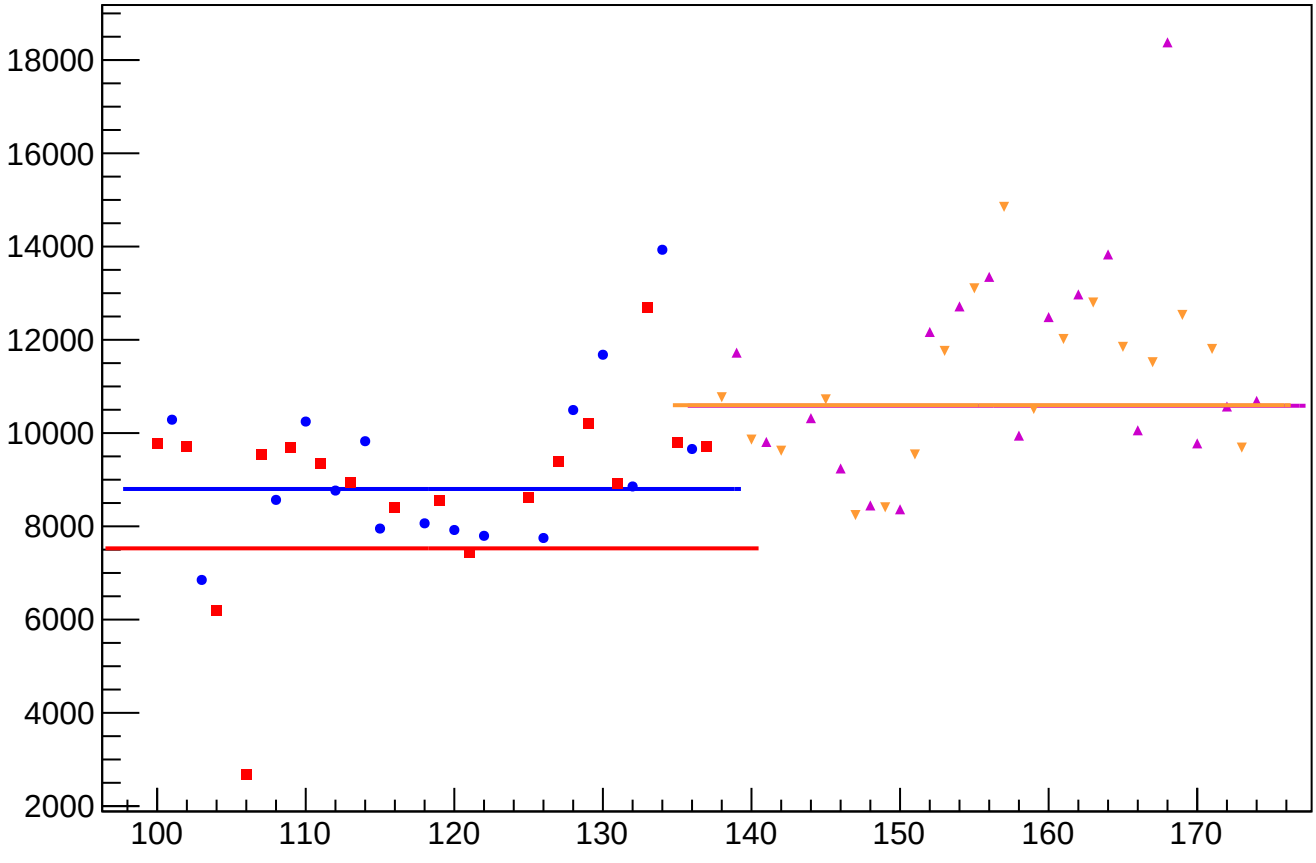
Left In: -4291.768+/-2796.661 χ^2/NDF:11.3/17

+ sign 3786.687+/-2171.482 χ^2/NDF: 36.1/33

All: -363.774+/-1516.134 χ^2/NDF: 68.9/69

- 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: 10597.859+/-2.025 χ^2/NDF:659644.7/17

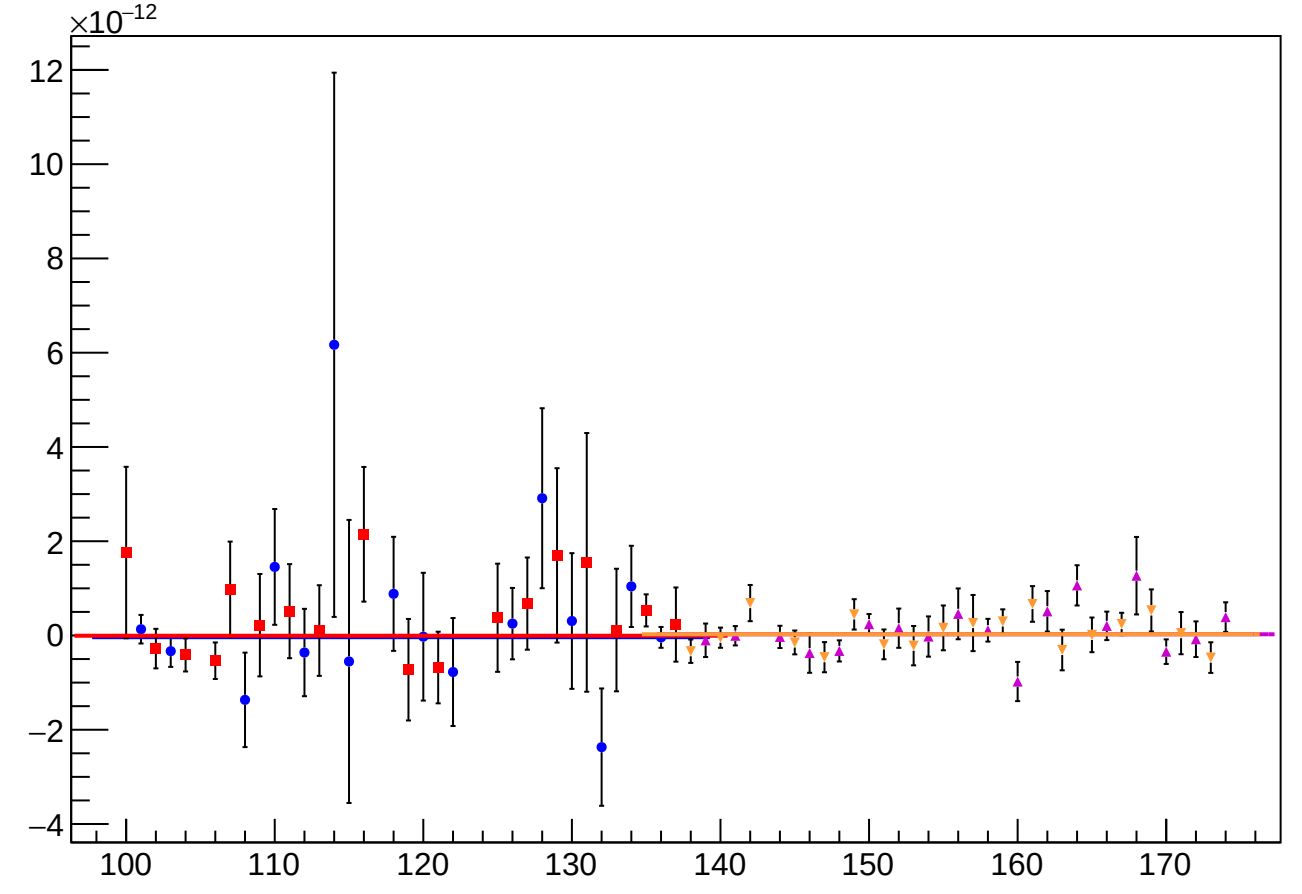
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10585.998+/-1.978 χ^2/NDF:937336.0/17

+ sign 9834.222+/-1.535 χ^2/NDF: 1388854.7/33

All: 9482.320+/-1.054 χ^2/NDF: 5190840.8/69

- 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:19.8/17

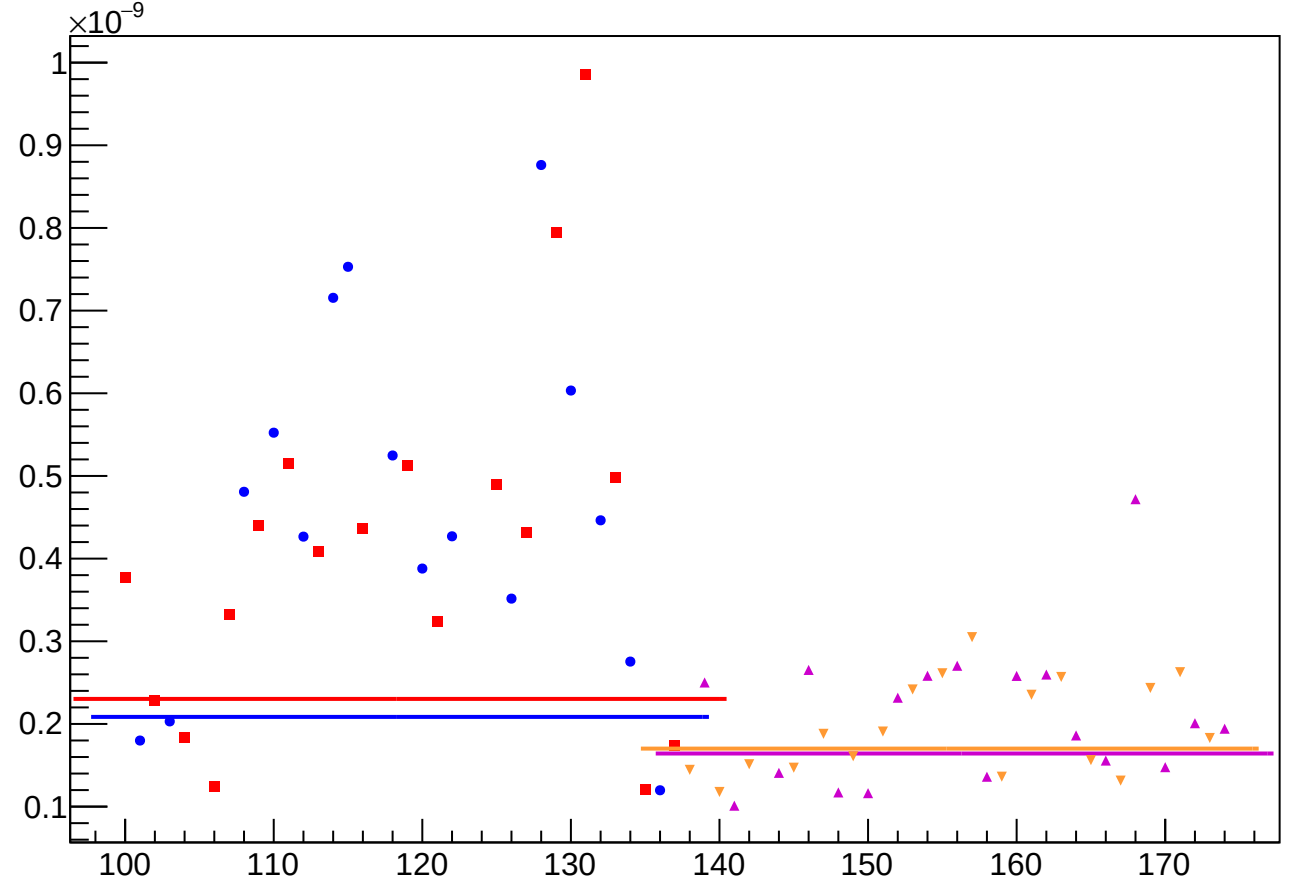
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:24.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 34.2/33

All: 0.000+/-0.000 χ^2/NDF: 72.5/69

- 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:787806.7/17

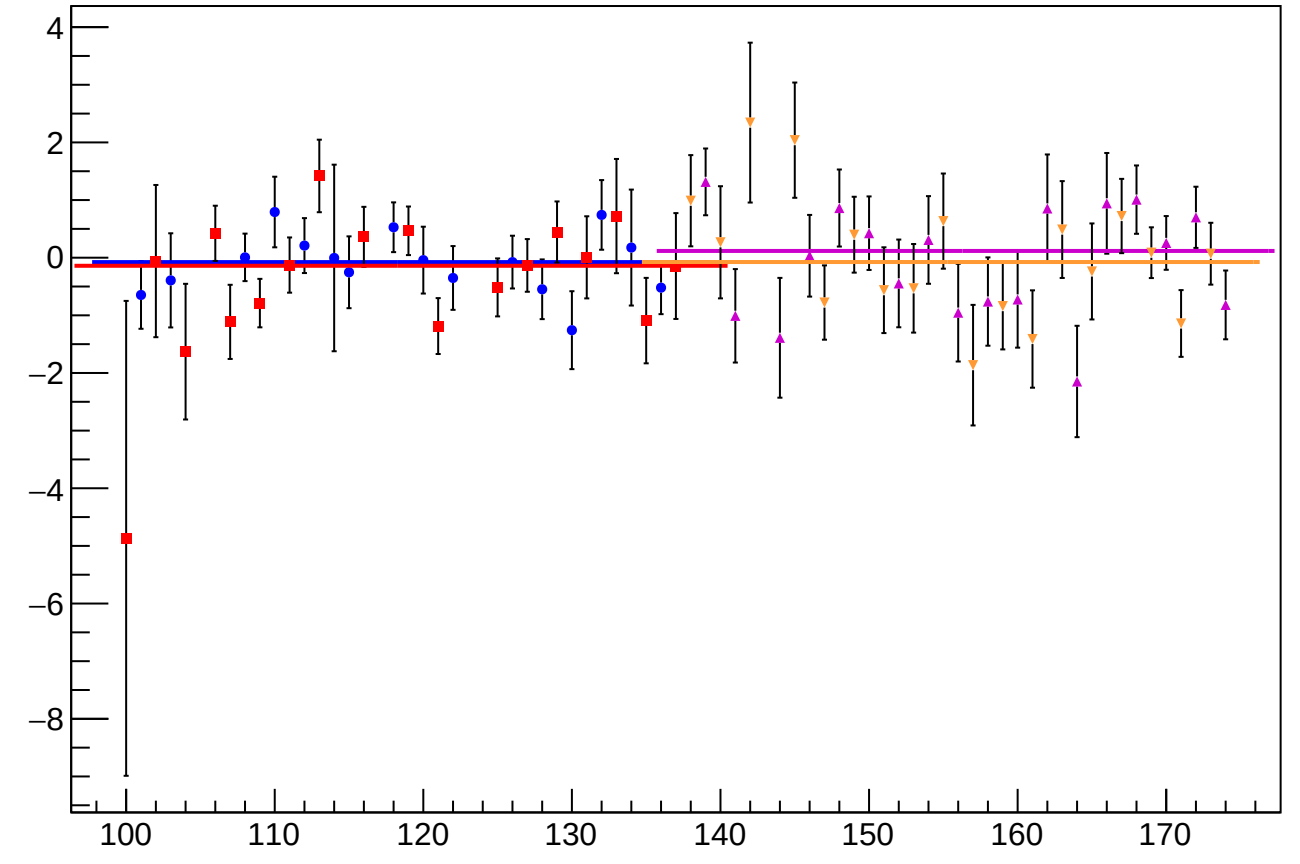
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1417524.2/17

\+ sign 0.000+/-0.000 χ^2/NDF: 2534128.6/33

All: 0.000+/-0.000 χ^2/NDF: 5808108.8/69

\- 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: -0.075+/-0.169 χ^2/NDF:24.8/17

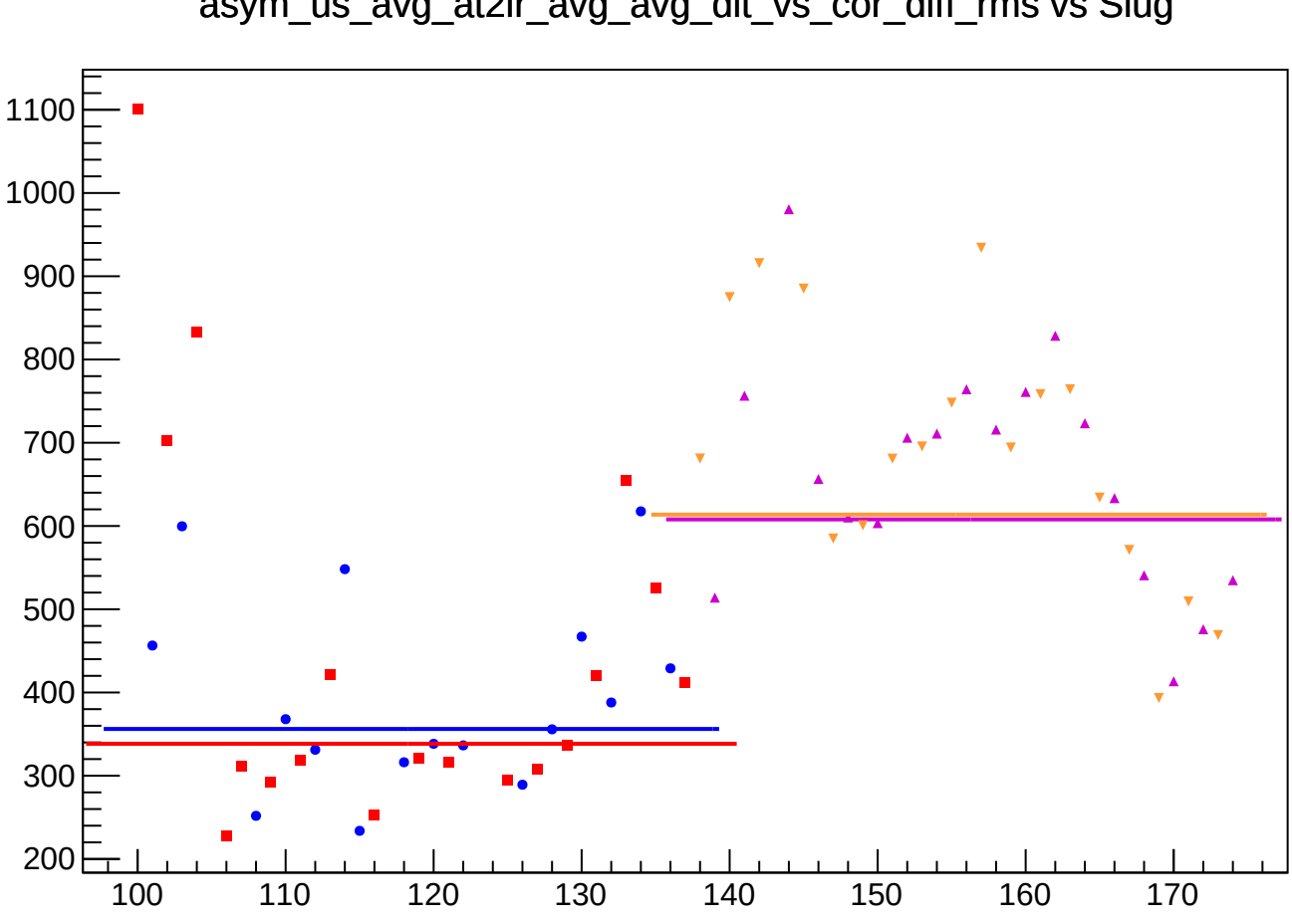
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.117+/-0.163 χ^2/NDF:27.4/17

+ sign -0.076+/-0.108 χ^2/NDF: 37.3/33

All: -0.054+/-0.075 χ^2/NDF: 93.1/69

- 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: 613.660+/-0.120 χ^2/NDF:1552943.0/17

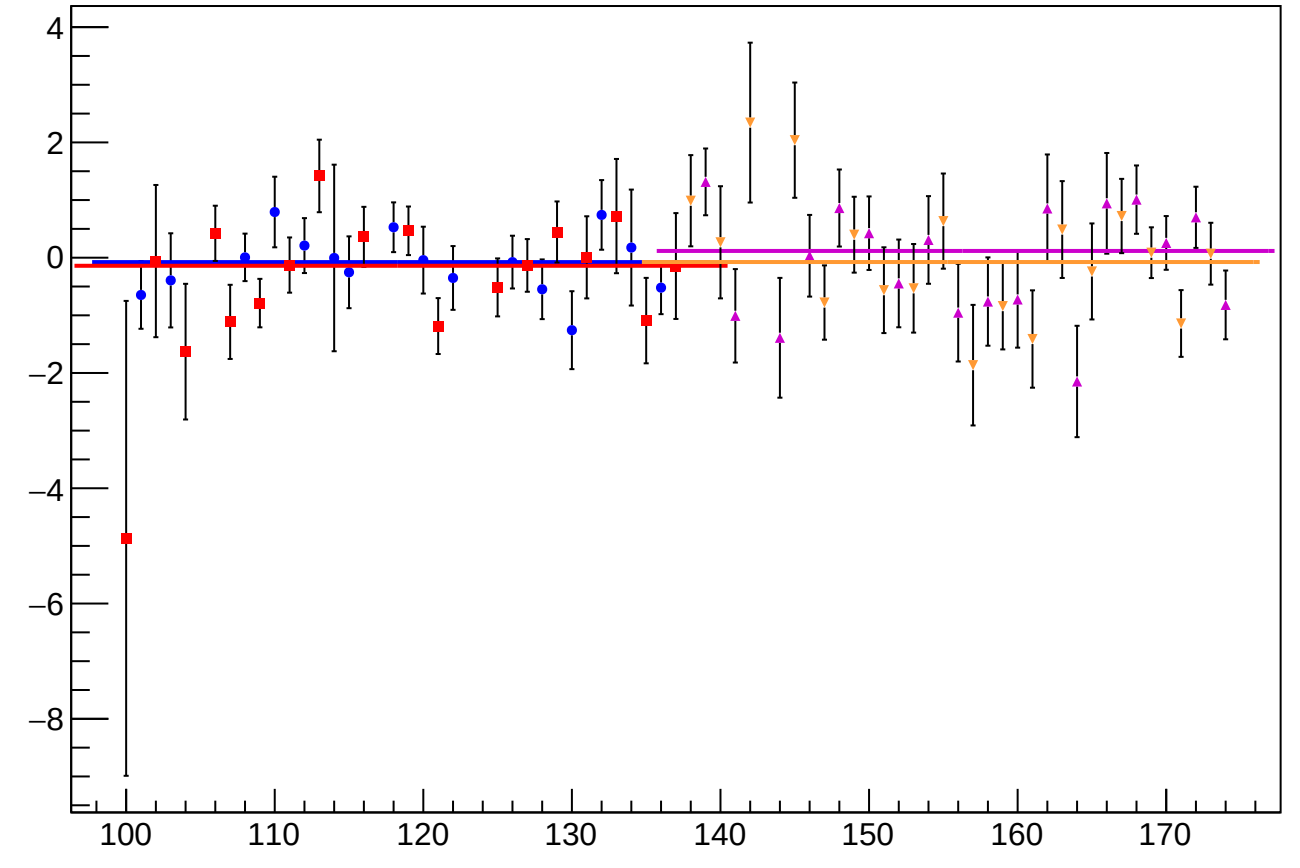
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 607.919+/-0.116 χ^2/NDF:1299850.3/17

+ sign 460.556+/-0.076 χ^2/NDF: 5083908.0/33

All: 455.437+/-0.053 χ^2/NDF: 10771095.5/69

- 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: -0.075+/-0.169 χ^2/NDF:24.8/17

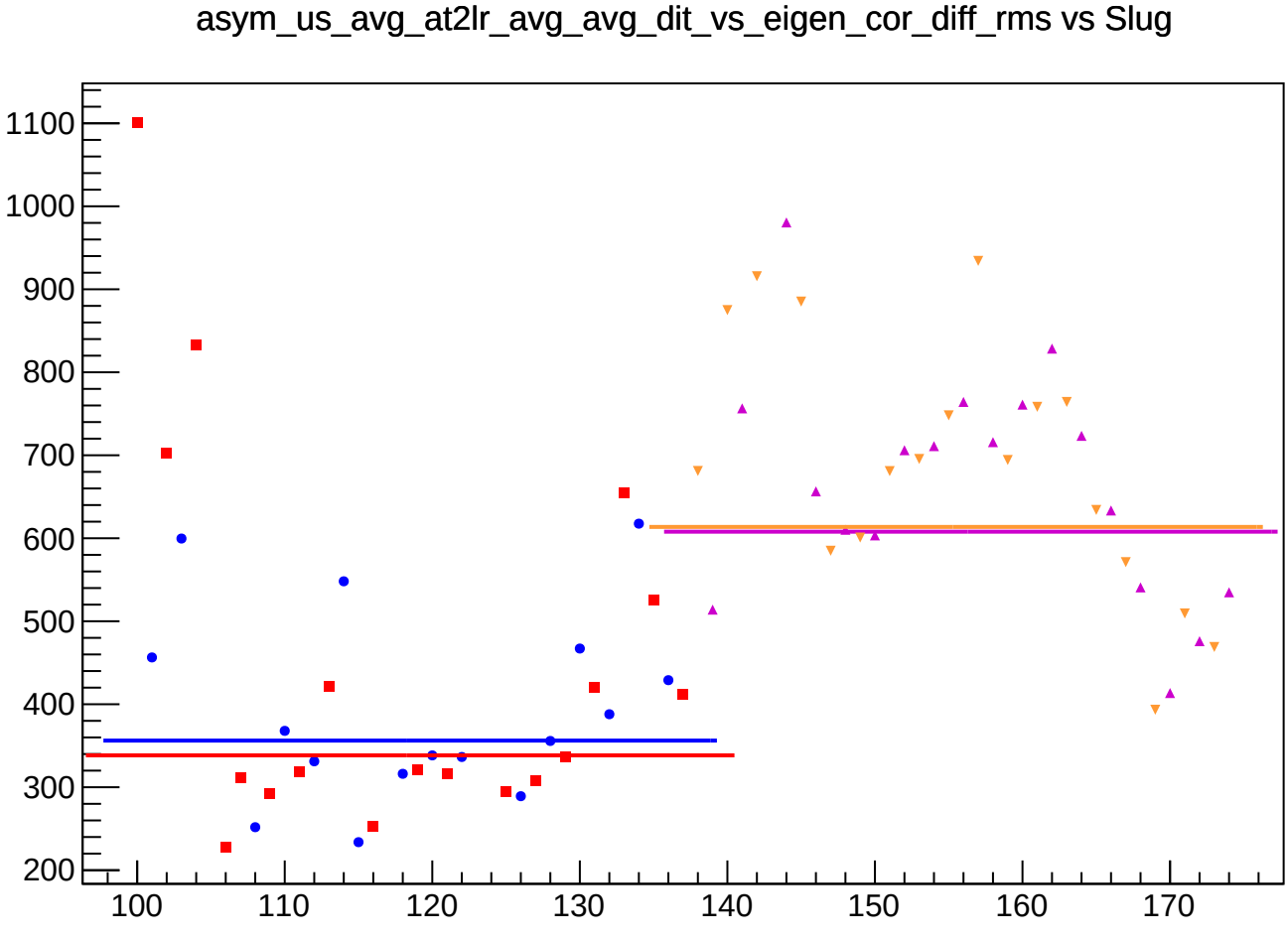
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.117+/-0.163 χ^2/NDF:27.4/17

+ sign -0.076+/-0.108 χ^2/NDF: 37.3/33

All: -0.054+/-0.075 χ^2/NDF: 93.1/69

- 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: 613.660+/-0.120 χ^2/NDF:1552943.0/17

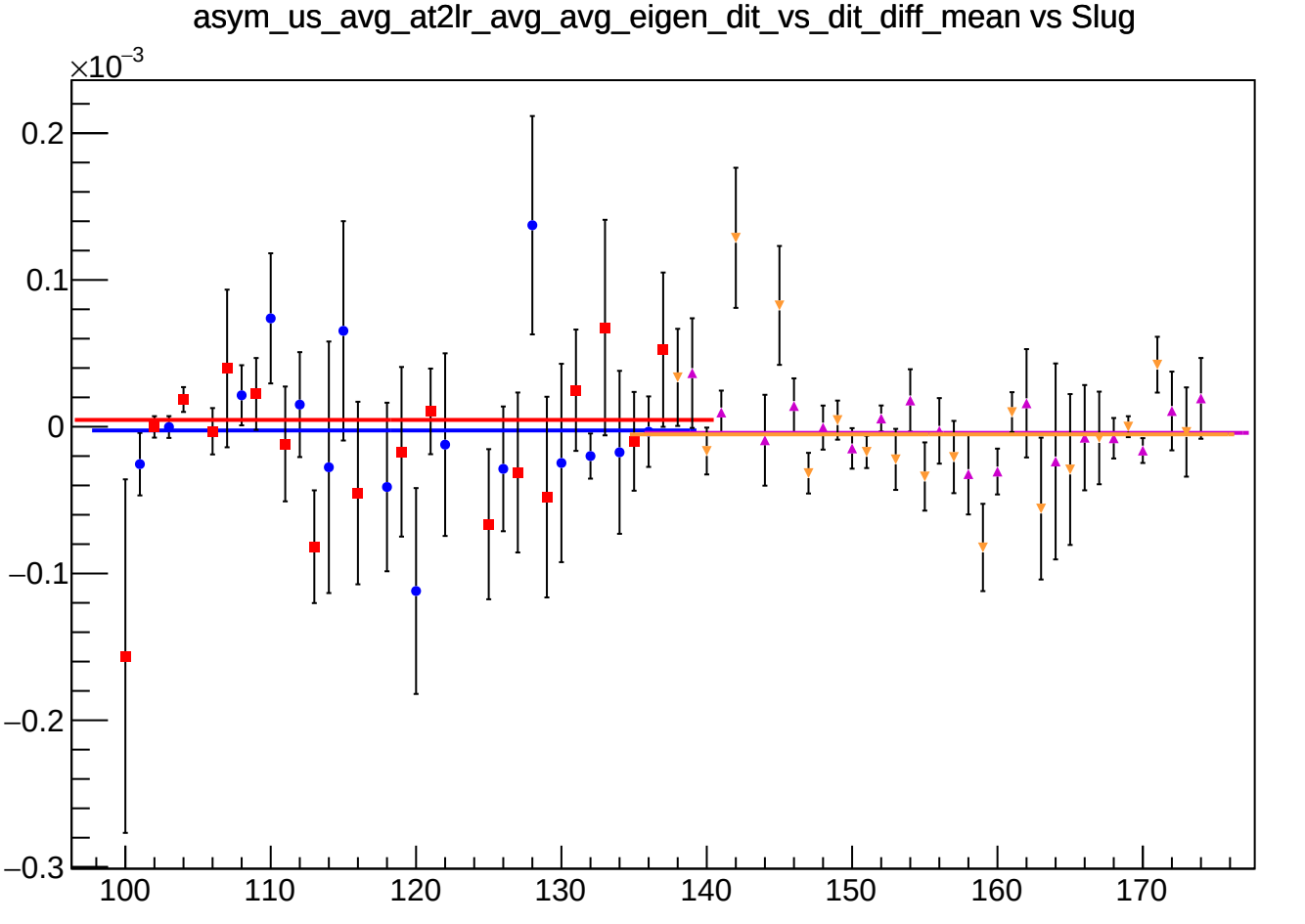
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

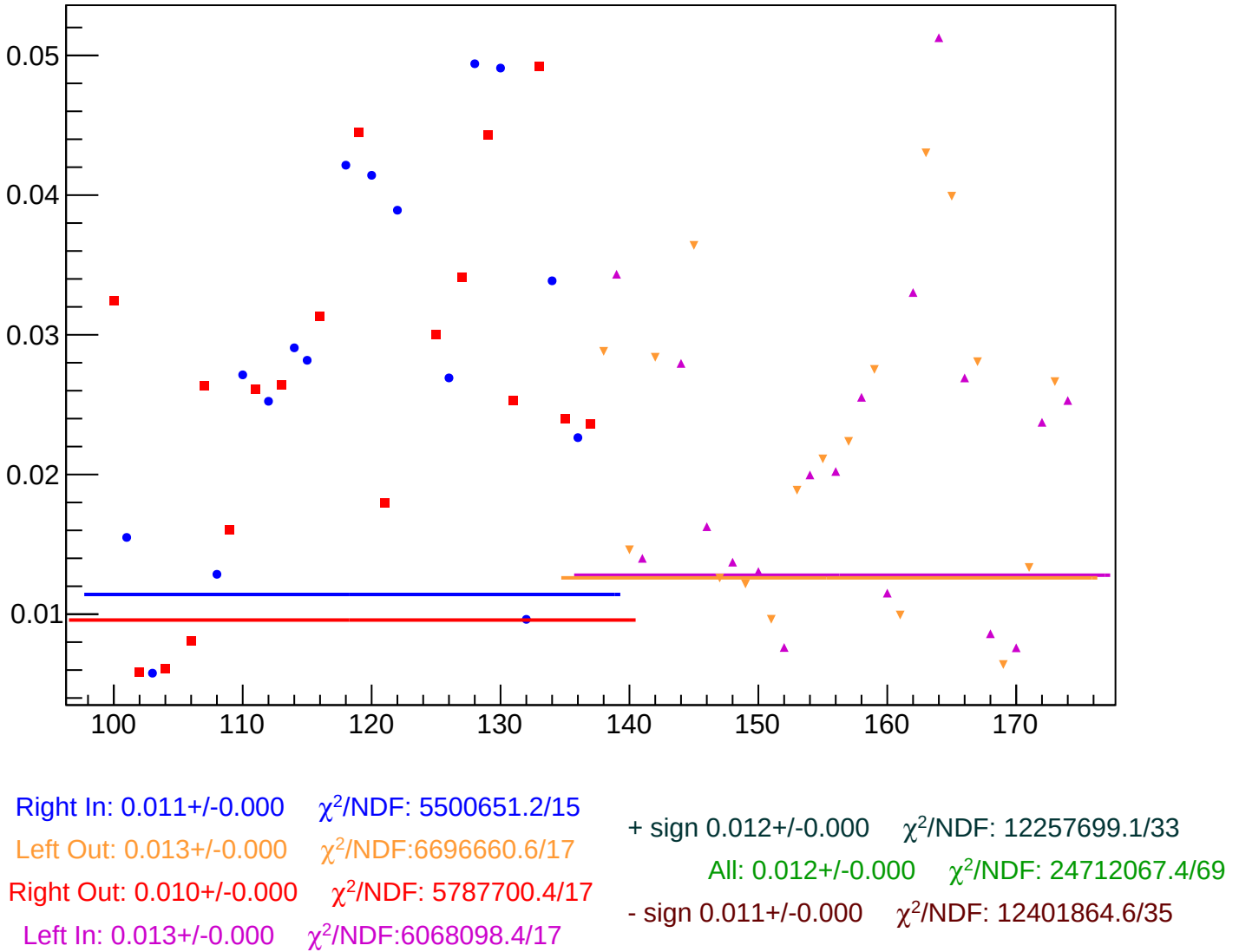
Left In: 607.919+/-0.116 χ^2/NDF:1299850.3/17

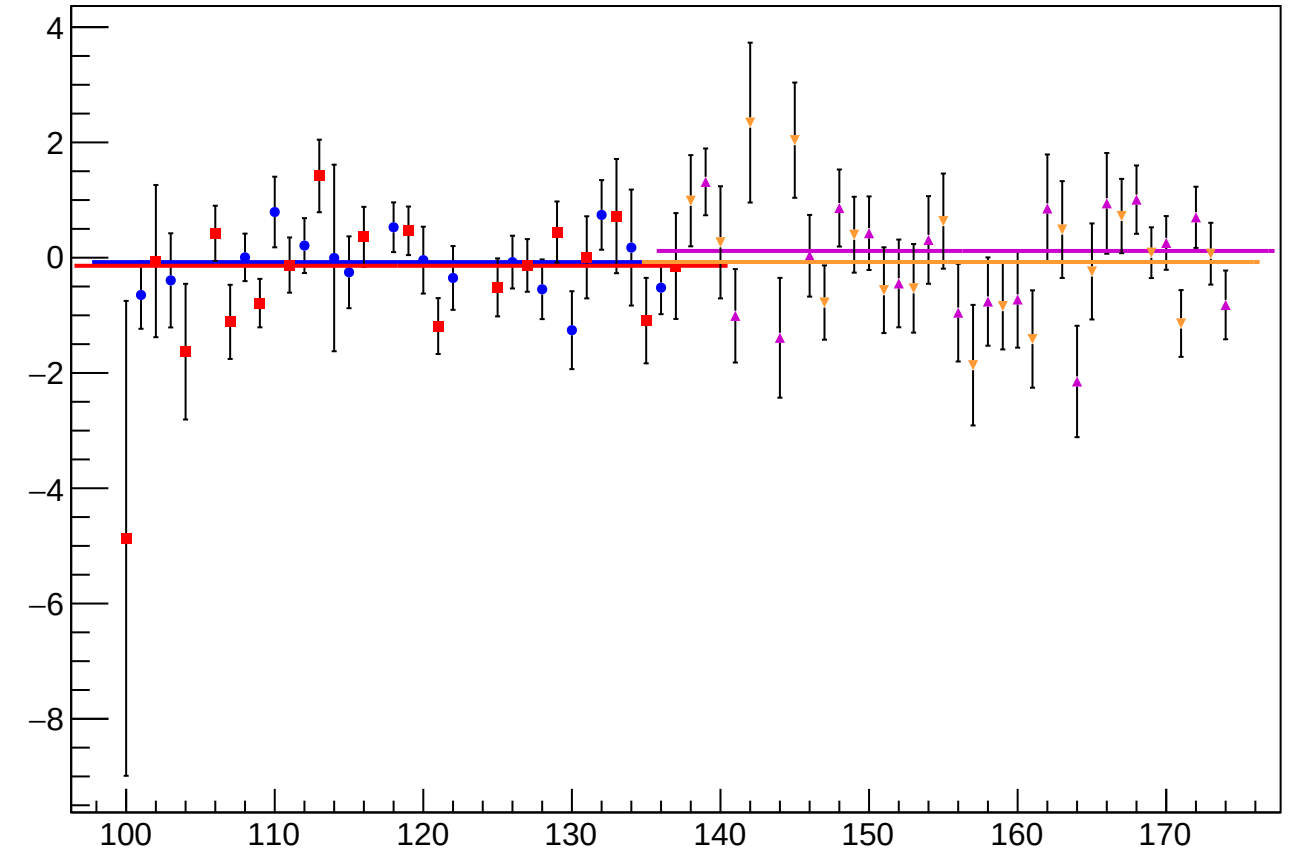
+ sign 460.556+/-0.076 χ^2/NDF: 5083908.0/33

All: 455.437+/-0.053 χ^2/NDF: 10771095.5/69

- sign 450.549+/-0.075 χ^2/NDF: 5678384.4/35


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:38.4/17
Right Out: 0.000+/-0.000 χ²/NDF: 17.1/17
Left In: -0.000+/-0.000 χ²/NDF:13.4/17
+ sign -0.000+/-0.000 χ²/NDF: 53.6/33
All: -0.000+/-0.000 χ²/NDF: 86.9/69
- sign -0.000+/-0.000 χ²/NDF: 32.6/35


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
Right In: 0.011+/-0.000 χ²/NDF: 5500651.2/15
Left Out: 0.013+/-0.000 χ²/NDF:6696660.6/17
Right Out: 0.010+/-0.000 χ²/NDF: 5787700.4/17
Left In: 0.013+/-0.000 χ²/NDF:6068098.4/17
+ sign 0.012+/-0.000 χ²/NDF: 12257699.1/33
All: 0.012+/-0.000 χ²/NDF: 24712067.4/69
- sign 0.011+/-0.000 χ²/NDF: 12401864.6/35



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.075+/-0.169 χ^2/NDF:24.8/17

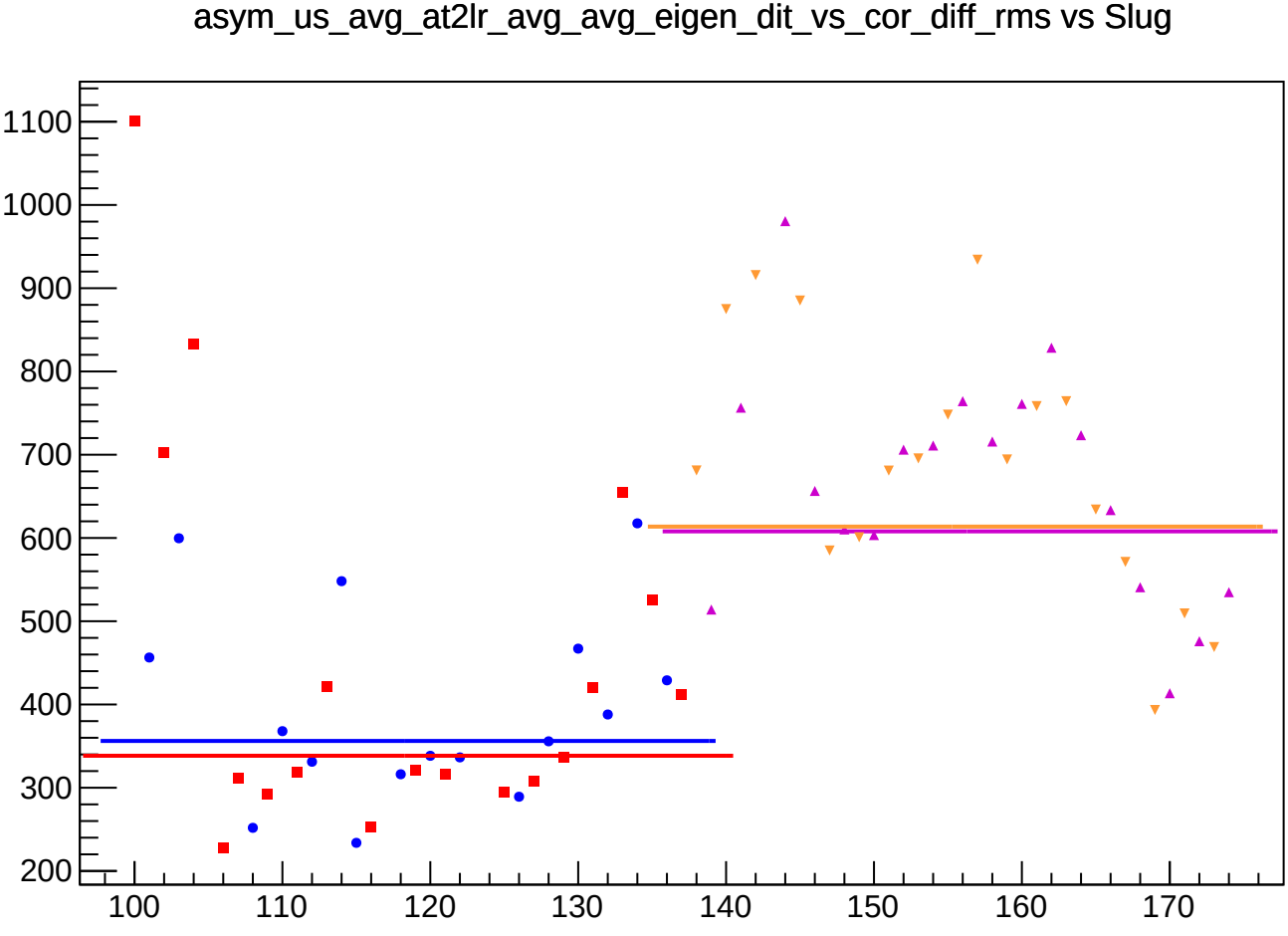
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.117+/-0.163 χ^2/NDF:27.4/17

\+ sign -0.076+/-0.108 χ^2/NDF: 37.3/33

All: -0.054+/-0.075 χ^2/NDF: 93.1/69

\- 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: 613.660+/-0.120 χ^2/NDF:1553110.7/17

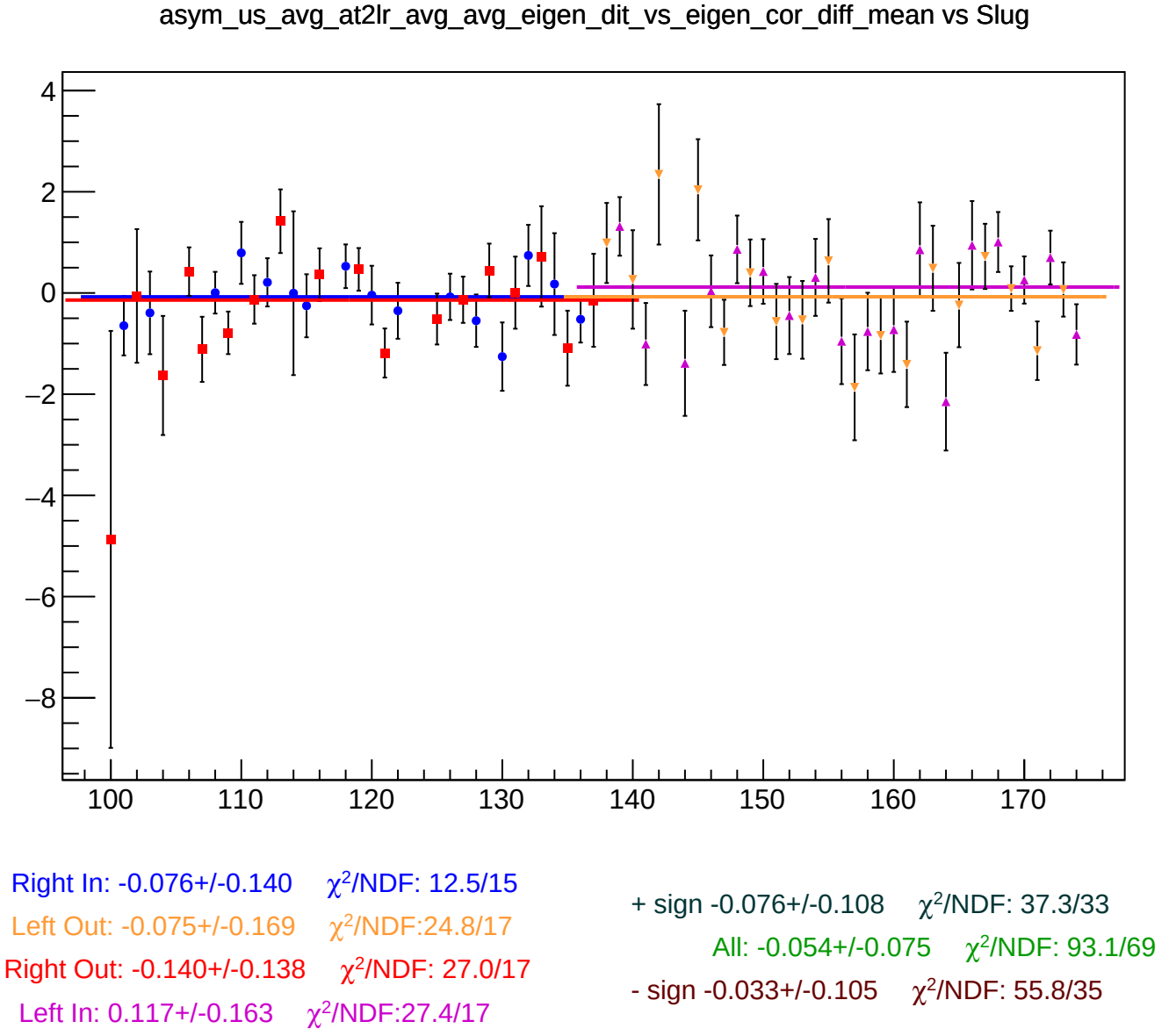
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

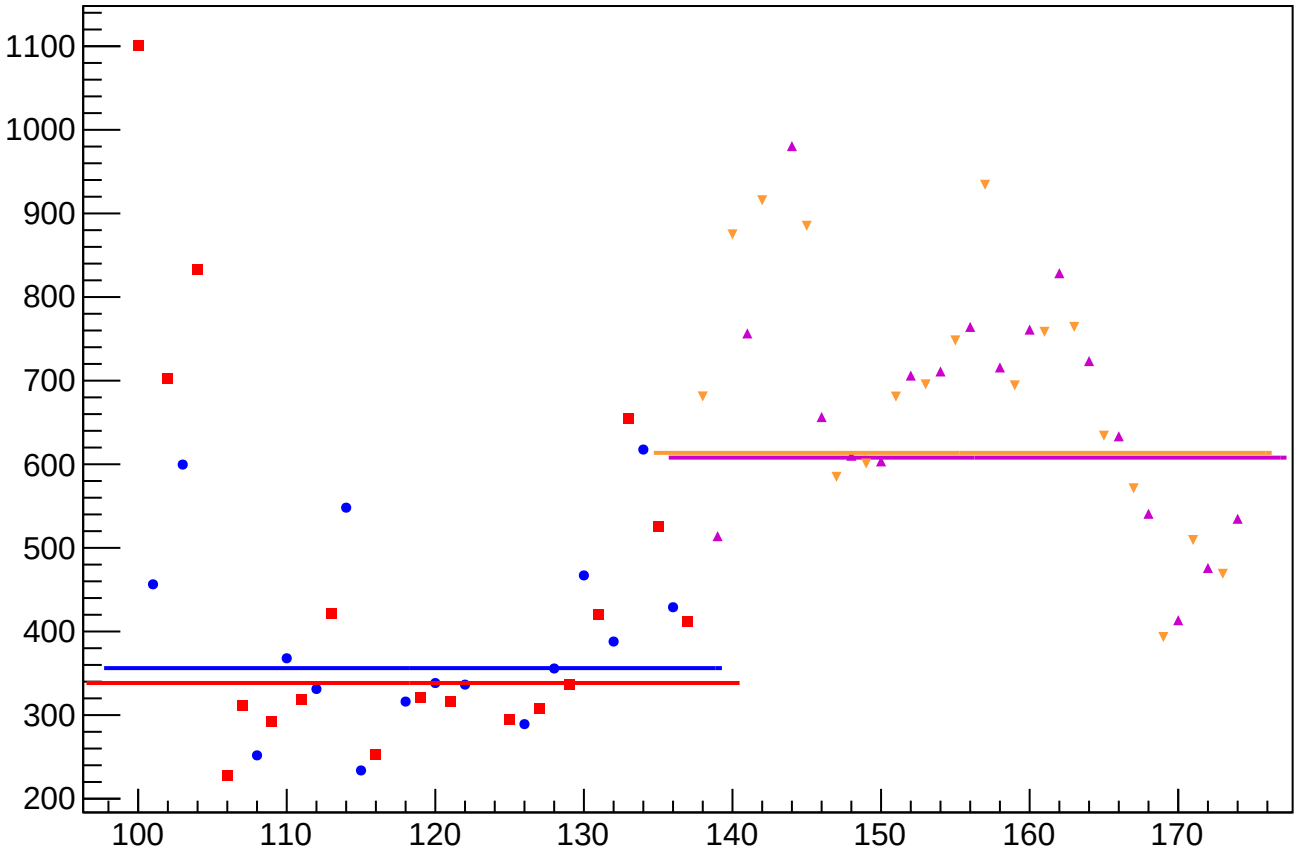
Left In: 607.922+/-0.116 χ^2/NDF:1299961.5/17

+ sign 460.554+/-0.076 χ^2/NDF: 5084073.8/33

All: 455.435+/-0.053 χ^2/NDF: 10771453.7/69

- sign 450.547+/-0.075 χ^2/NDF: 5678576.7/35


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: -0.075+/-0.169 χ²/NDF:24.8/17
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.117+/-0.163 χ²/NDF:27.4/17
+ sign -0.076+/-0.108 χ²/NDF: 37.3/33
All: -0.054+/-0.075 χ²/NDF: 93.1/69
- sign -0.033+/-0.105 χ²/NDF: 55.8/35



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 613.660+/-0.120 χ^2/NDF:1553110.7/17

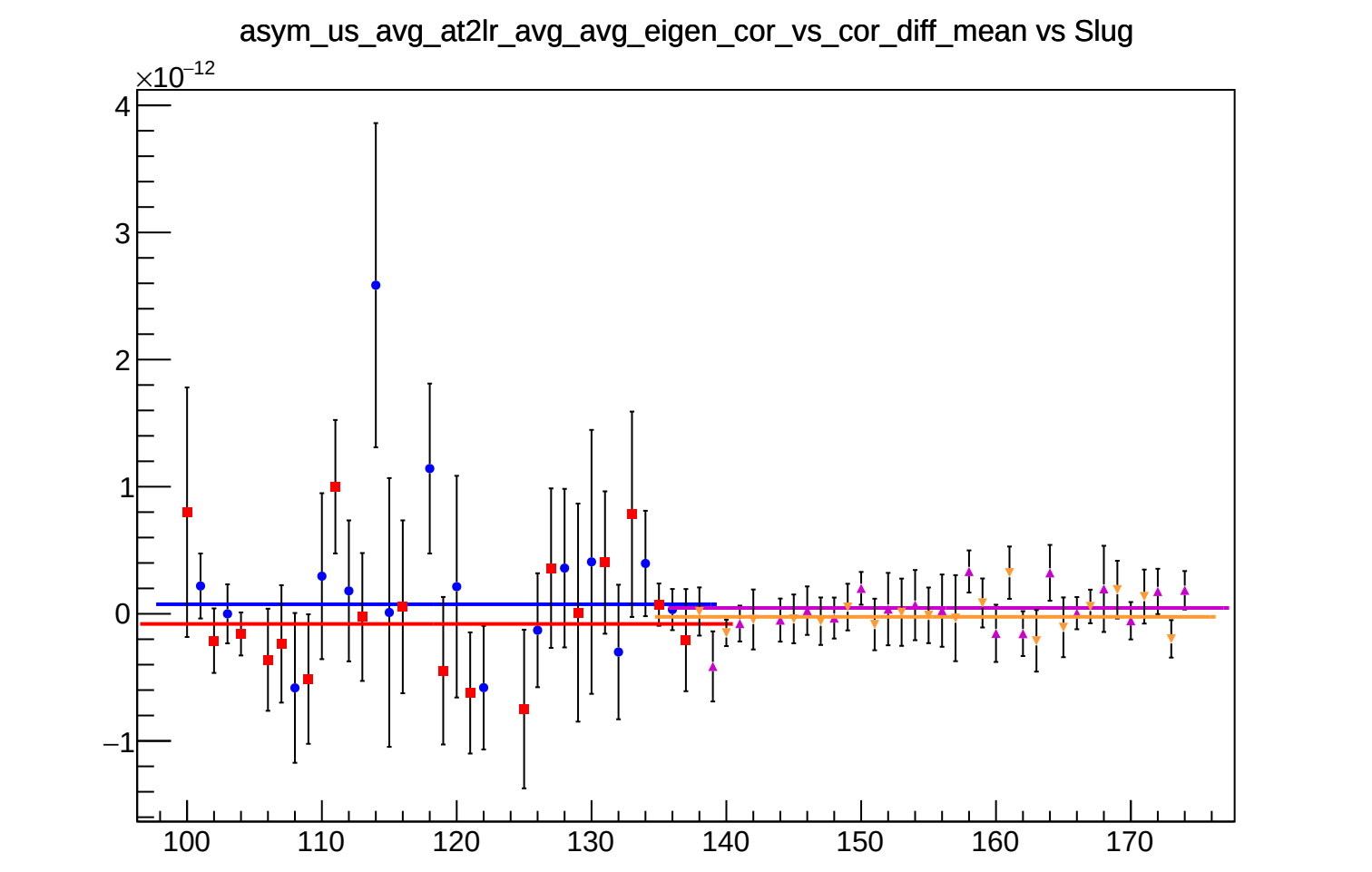
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

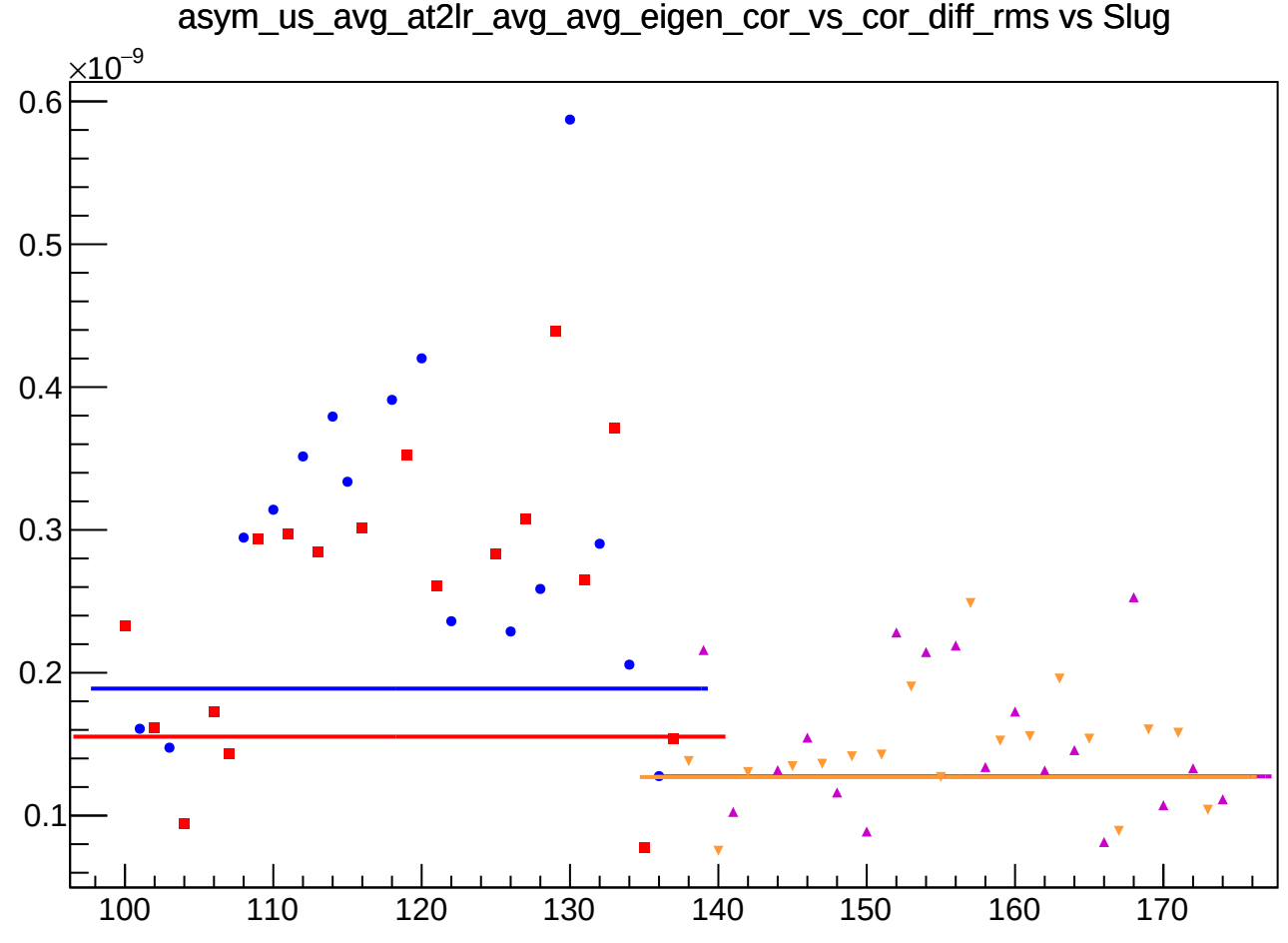
Left In: 607.922+/-0.116 χ^2/NDF:1299961.5/17

+ sign 460.554+/-0.076 χ^2/NDF: 5084073.8/33

All: 455.435+/-0.053 χ^2/NDF: 10771453.7/69

- 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:9.0/17
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: 21.6/33
All: 0.000+/-0.000 χ²/NDF: 51.1/69
- 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:1465728.8/17

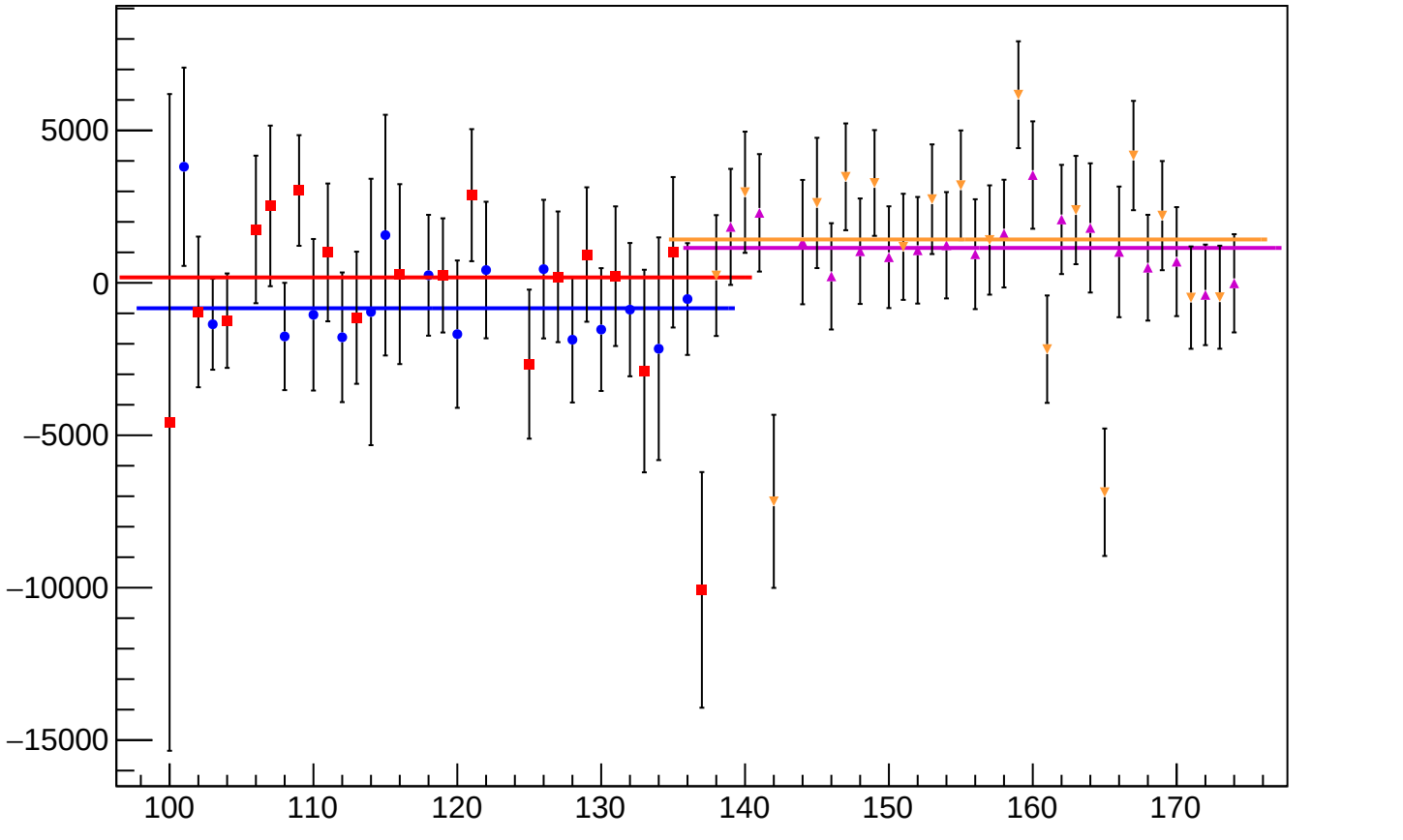
Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1854364.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 3671793.1/33

All: 0.000+/-0.000 χ^2/NDF: 7911753.1/69

- sign 0.000+/-0.000 χ^2/NDF: 4225645.3/35



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1423.292+/-434.809 χ^2/NDF:47.1/17

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

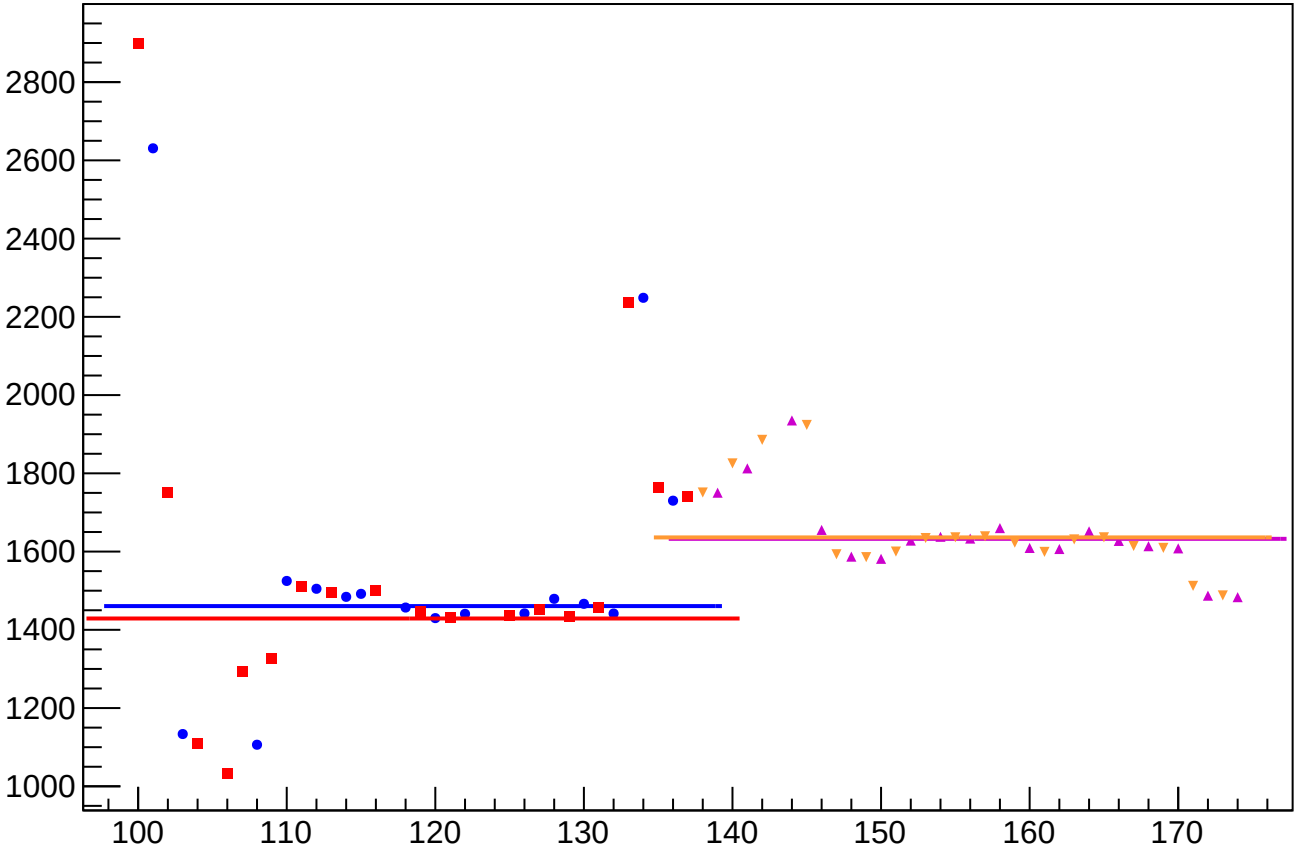
Left In: 1144.698+/-423.990 χ^2/NDF:4.7/17

+ sign 564.641+/-342.237 χ^2/NDF: 62.0/33

All: 675.889+/-239.507 χ^2/NDF: 85.3/69

- 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: 1636.176+/-0.307 χ^2/NDF:108242.4/17

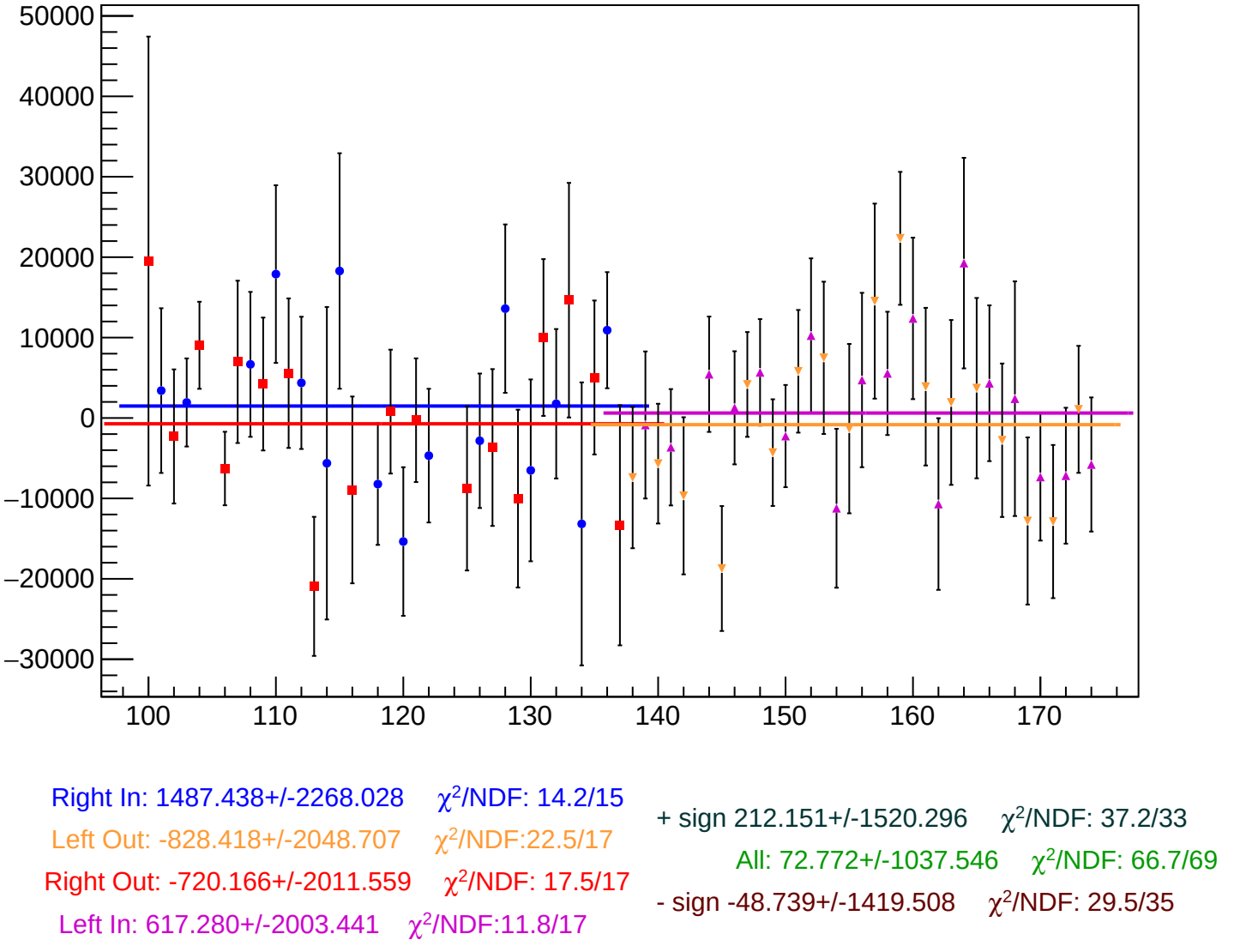
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1632.556+/-0.300 χ^2/NDF:107481.9/17

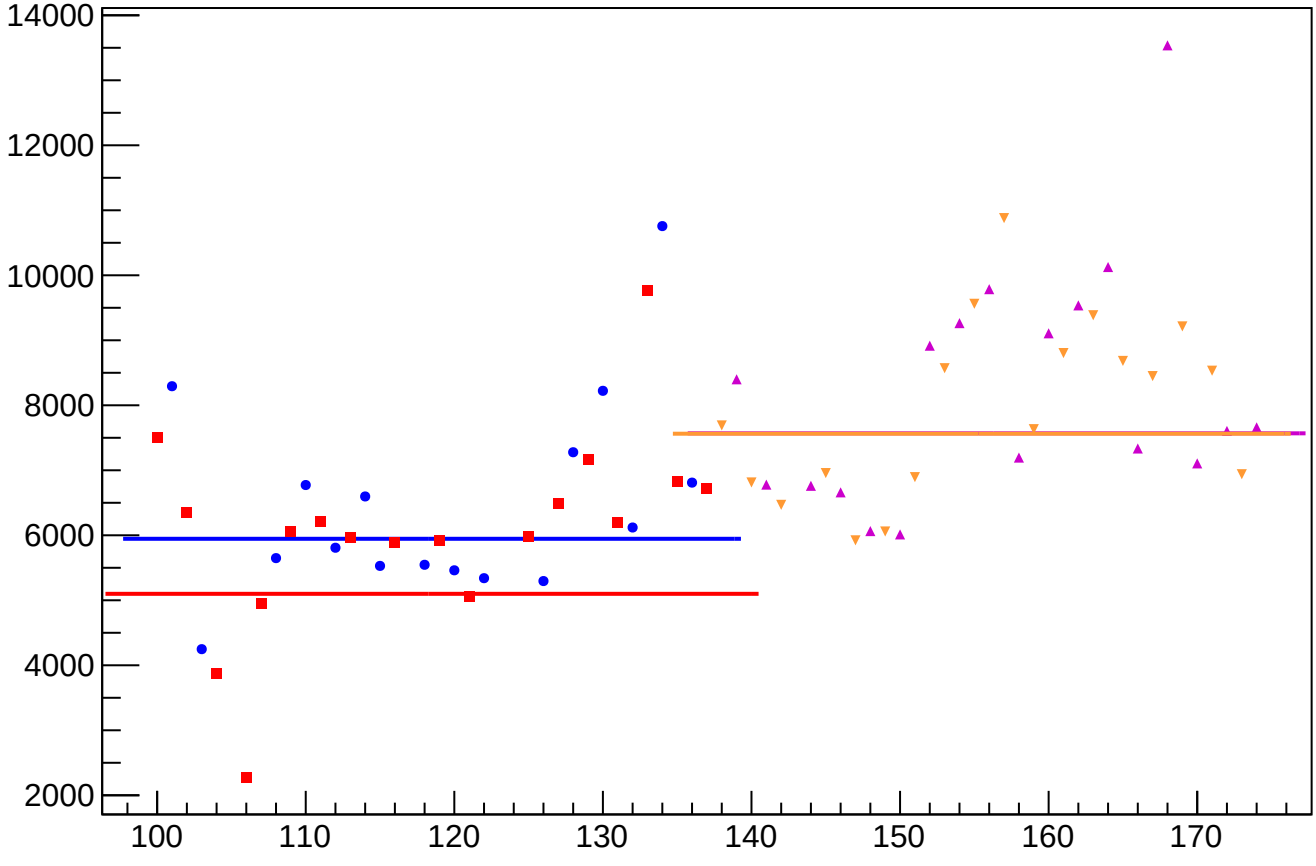
+ sign 1569.393+/-0.242 χ^2/NDF: 807980.2/33

All: 1562.322+/-0.169 χ^2/NDF: 1502802.7/69

- sign 1555.571+/-0.236 χ^2/NDF: 693153.4/35


asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: 1487.438+/-2268.028 χ²/NDF: 14.2/15
Left Out: -828.418+/-2048.707 χ²/NDF:22.5/17
Right Out: -720.166+/-2011.559 χ²/NDF: 17.5/17
Left In: 617.280+/-2003.441 χ²/NDF:11.8/17
+ sign 212.151+/-1520.296 χ²/NDF: 37.2/33
All: 72.772+/-1037.546 χ²/NDF: 66.7/69
- sign -48.739+/-1419.508 χ²/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: 7562.808+/-1.449 χ^2/NDF:763466.9/17

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

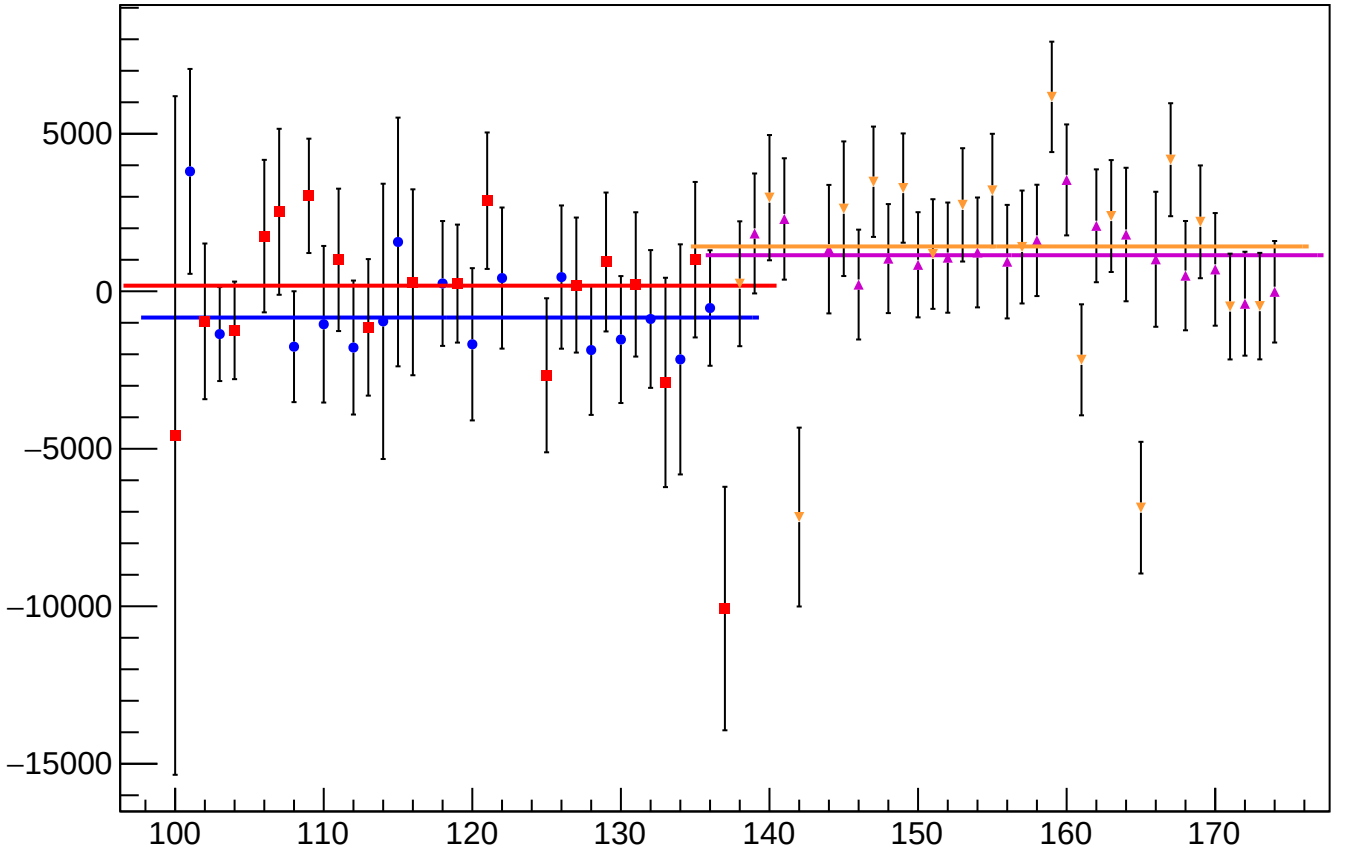
Left In: 7568.611+/-1.417 χ^2/NDF:1042904.2/17

+ sign 6836.374+/-1.075 χ^2/NDF: 1964231.6/33

All: 6570.647+/-0.734 χ^2/NDF: 6114779.6/69

- 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: 1423.385+/-434.809 χ^2/NDF:47.1/17

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

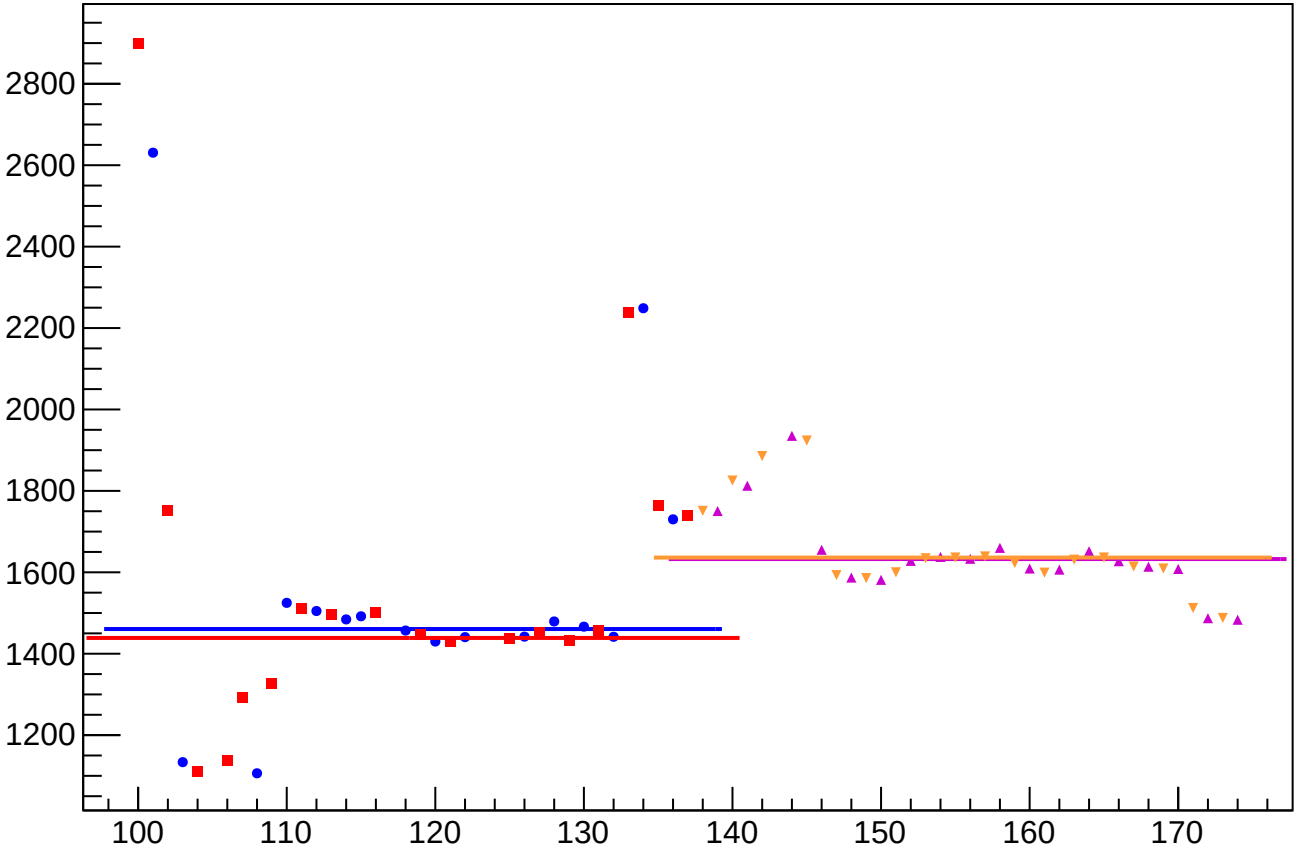
Left In: 1144.625+/-423.990 χ^2/NDF:4.7/17

+ sign 564.674+/-342.237 χ^2/NDF: 62.0/33

All: 675.852+/-239.507 χ^2/NDF: 85.3/69

- 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: 1636.176+/-0.307 χ^2/NDF:108242.4/17

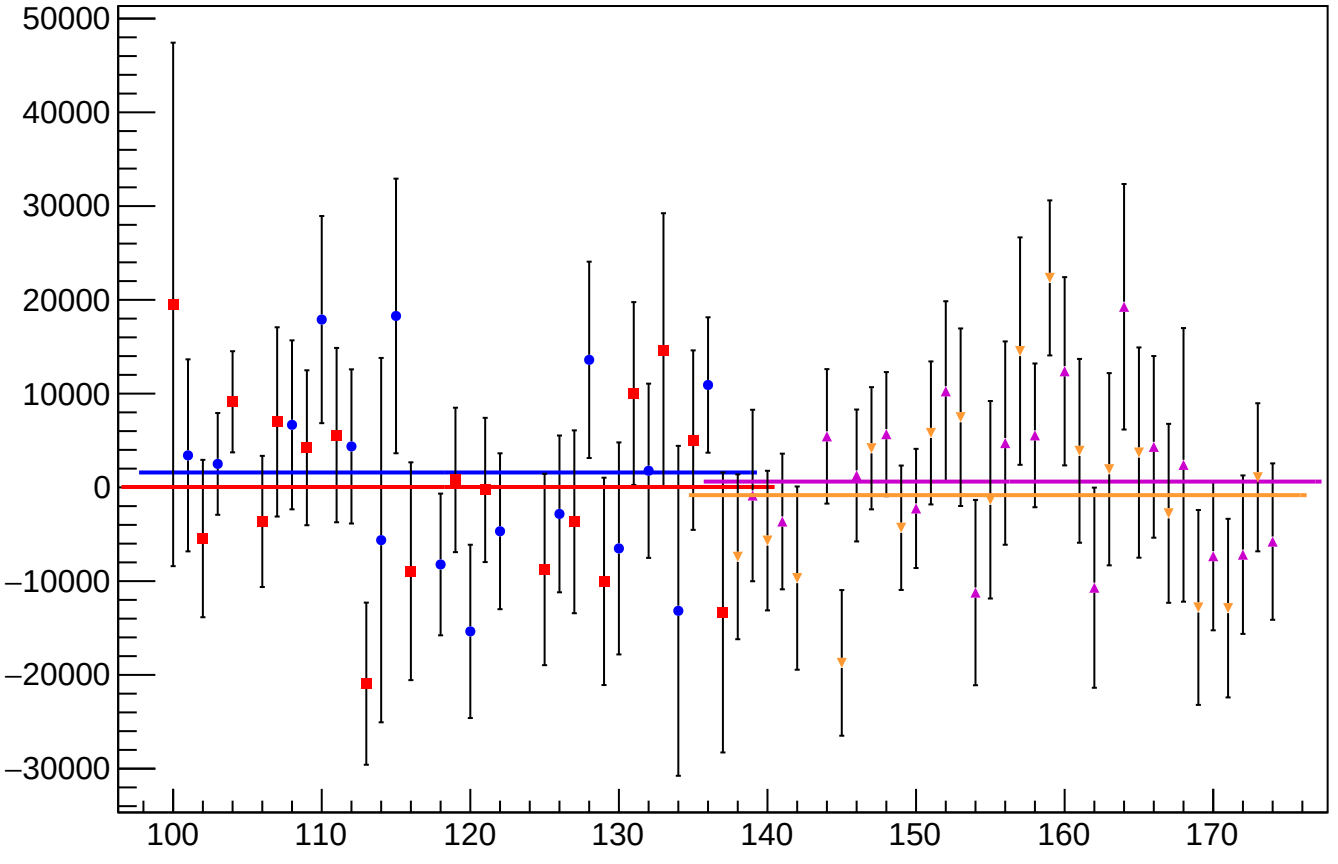
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1632.556+/-0.300 χ^2/NDF:107481.9/17

+ sign 1569.393+/-0.242 χ^2/NDF: 807980.7/33

All: 1564.470+/-0.169 χ^2/NDF: 1446617.8/69

- 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: -828.397+/-2048.707 χ^2/NDF:22.5/17

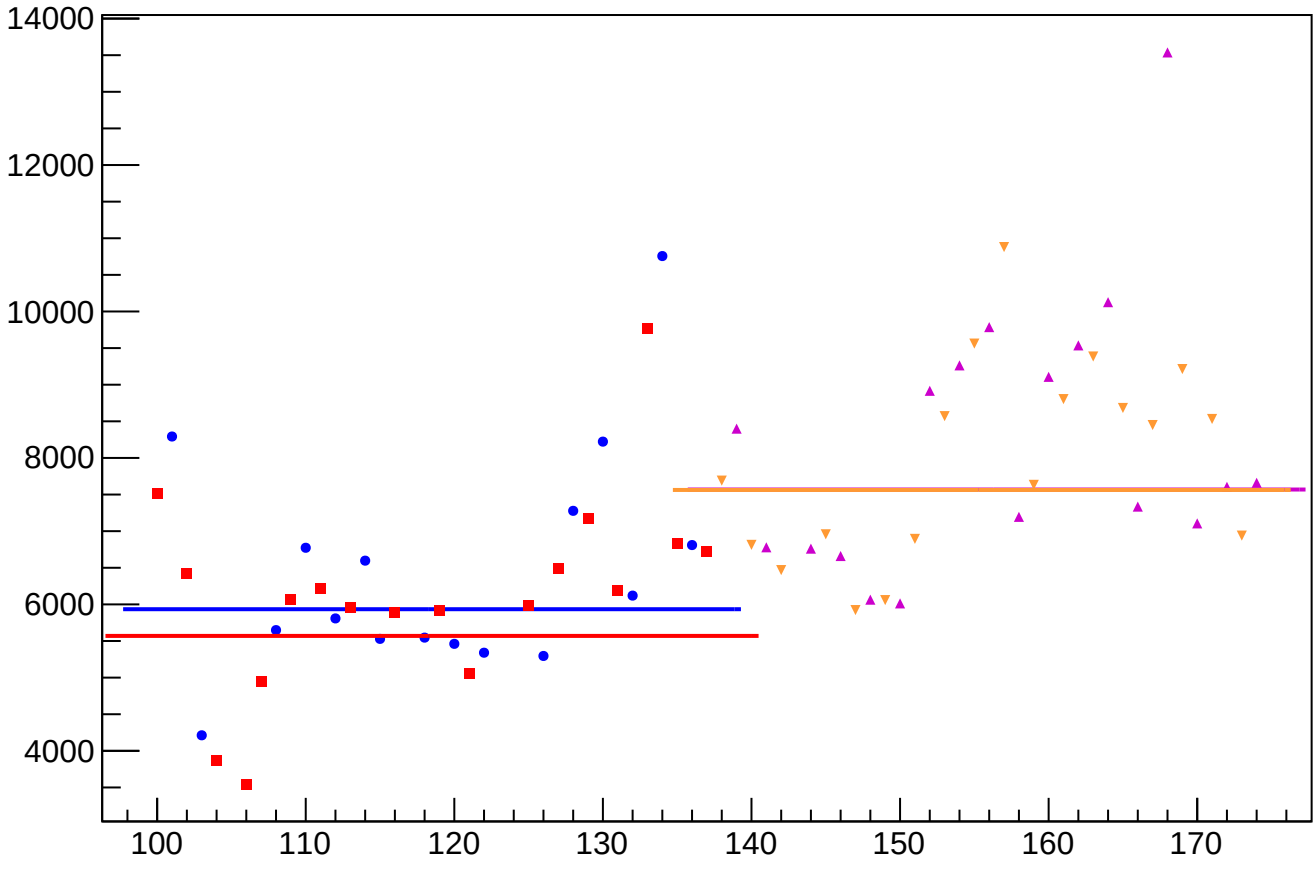
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 617.299+/-2003.439 χ^2/NDF:11.8/17

\+ sign 259.630+/-1519.159 χ^2/NDF: 37.3/33

All: 305.051+/-1052.787 χ^2/NDF: 65.5/69

\- 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: 7562.806+/-1.449 χ^2/NDF:763466.4/17

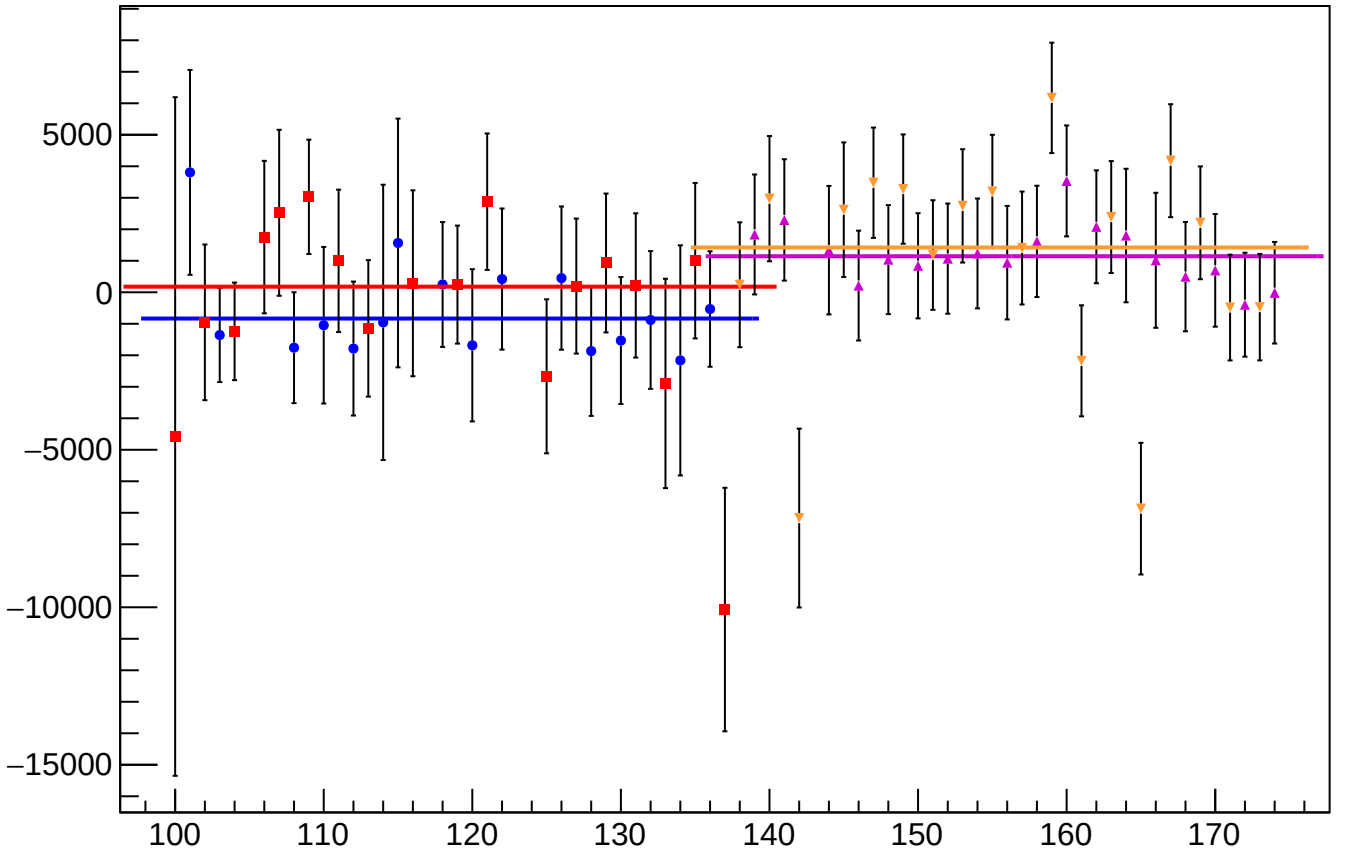
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7568.605+/-1.417 χ^2/NDF:1042908.0/17

+ sign 6829.699+/-1.074 χ^2/NDF: 1985469.8/33

All: 6726.777+/-0.744 χ^2/NDF: 4703337.9/69

- 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: 1423.385+/-434.809 χ^2/NDF:47.1/17

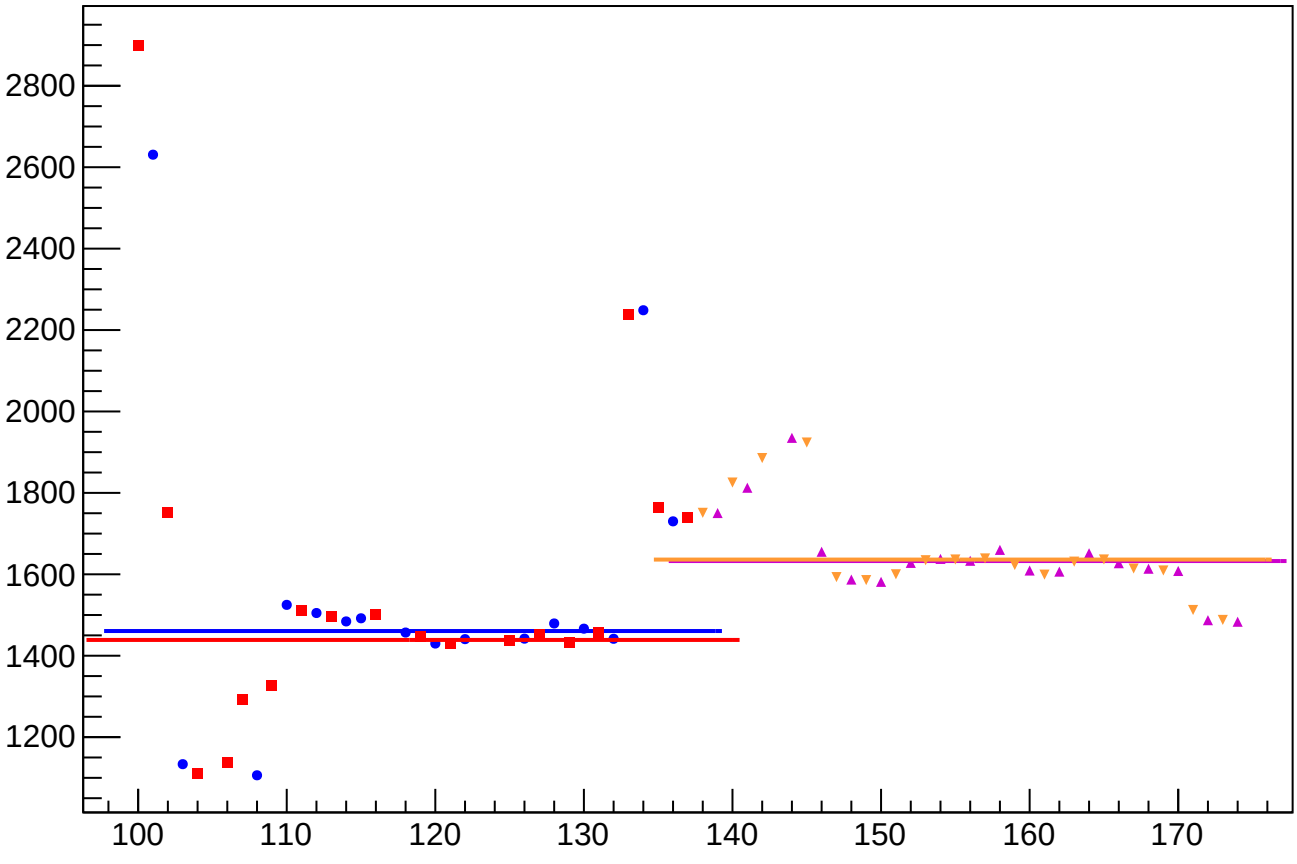
Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: 1144.625+/-423.990 χ^2/NDF:4.7/17

+ sign 564.674+/-342.237 χ^2/NDF: 62.0/33

All: 675.852+/-239.507 χ^2/NDF: 85.3/69

- sign 782.567+/-335.298 χ^2/NDF: 23.1/35



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1636.176+/-0.307 χ^2/NDF:108242.4/17

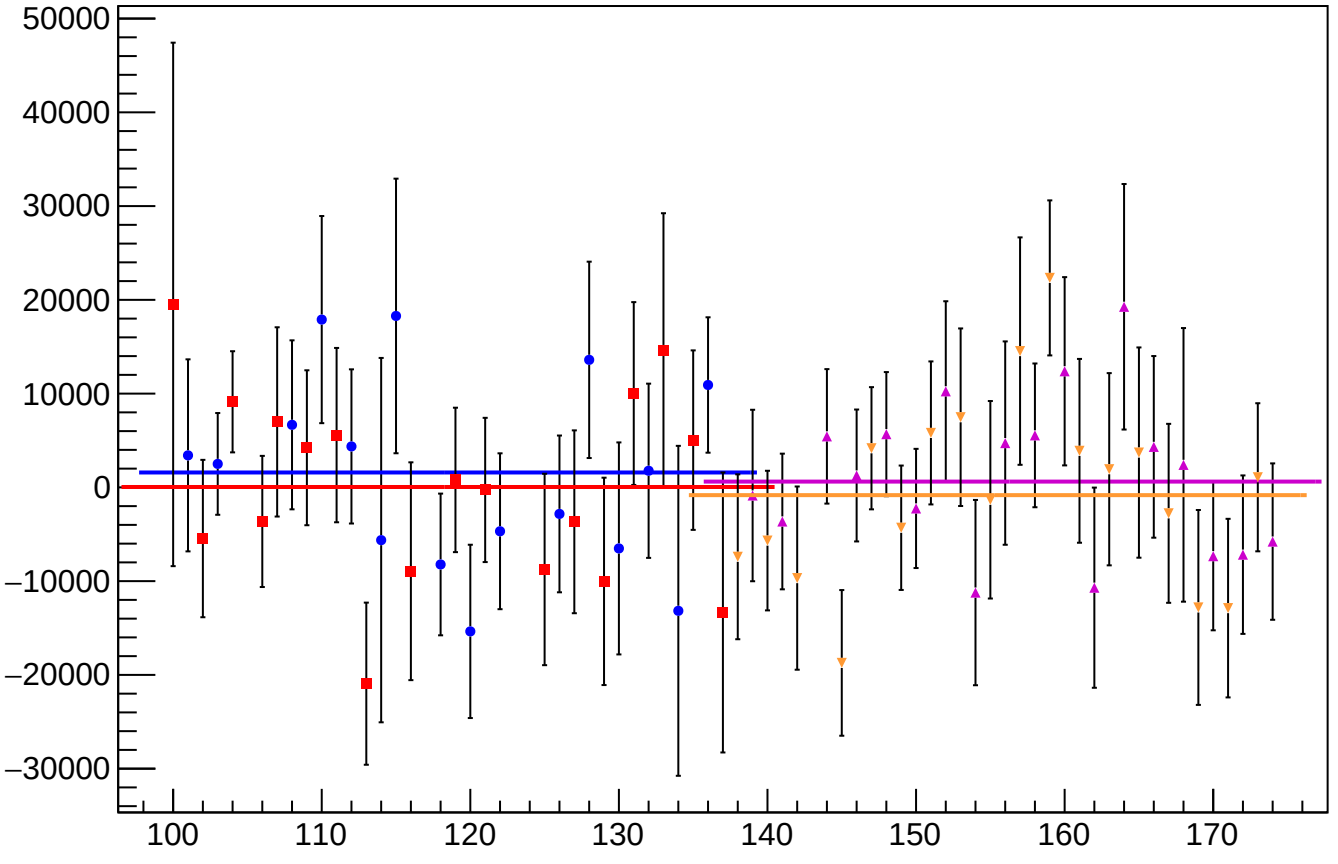
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1632.556+/-0.300 χ^2/NDF:107481.9/17

\+ sign 1569.393+/-0.242 χ^2/NDF: 807980.7/33

All: 1564.470+/-0.169 χ^2/NDF: 1446617.8/69

\- 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: -828.397+/-2048.707 χ^2/NDF:22.5/17

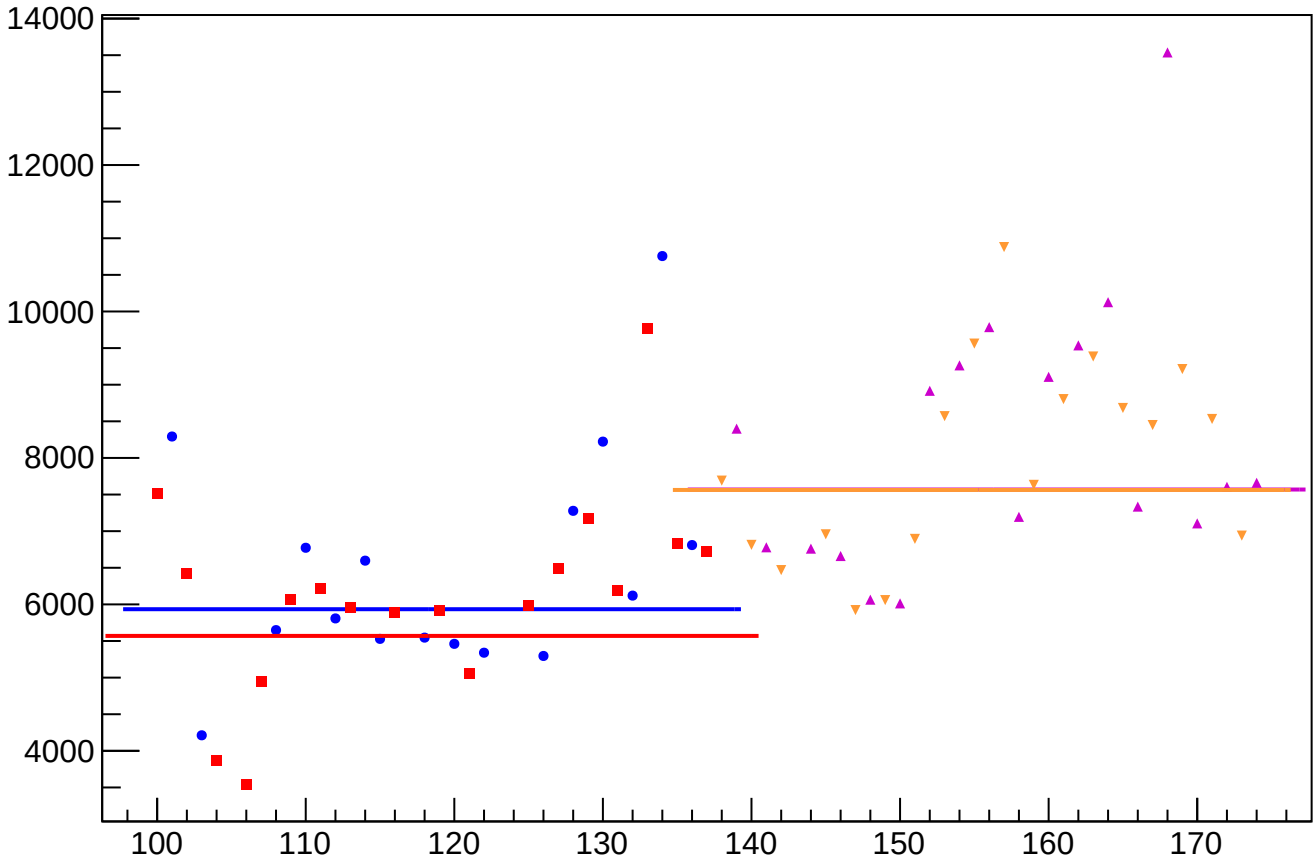
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 617.299+/-2003.439 χ^2/NDF:11.8/17

+ sign 259.630+/-1519.159 χ^2/NDF: 37.3/33

All: 305.051+/-1052.787 χ^2/NDF: 65.5/69

- 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: 7562.806+/-1.449 χ^2/NDF:763466.4/17

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

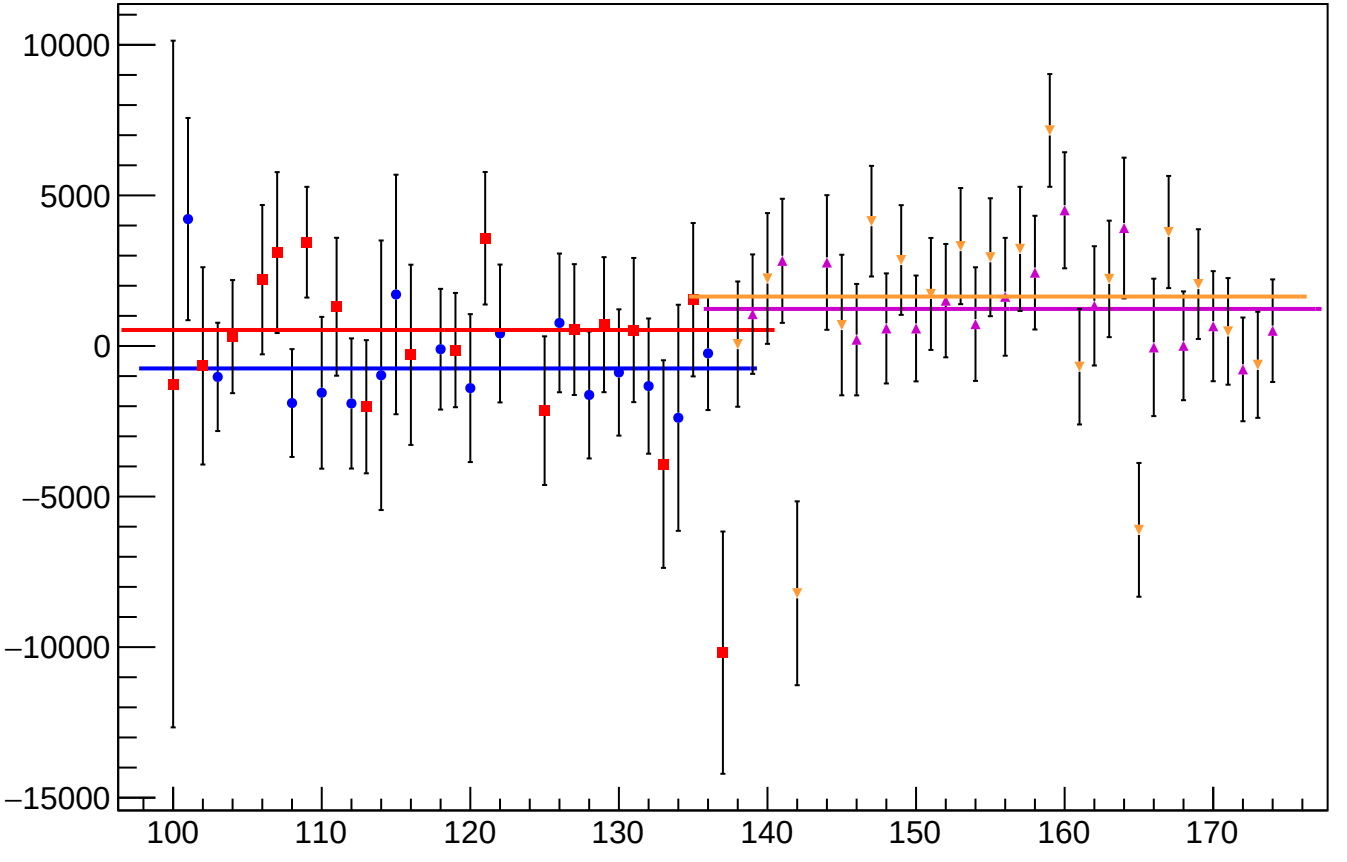
Left In: 7568.605+/-1.417 χ^2/NDF:1042908.0/17

+ sign 6829.699+/-1.074 χ^2/NDF: 1985469.8/33

All: 6726.777+/-0.744 χ^2/NDF: 4703337.9/69

- sign 6631.674+/-1.033 χ^2/NDF: 2700205.7/35

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1641.260+/-463.999 χ^2/NDF:41.2/17

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

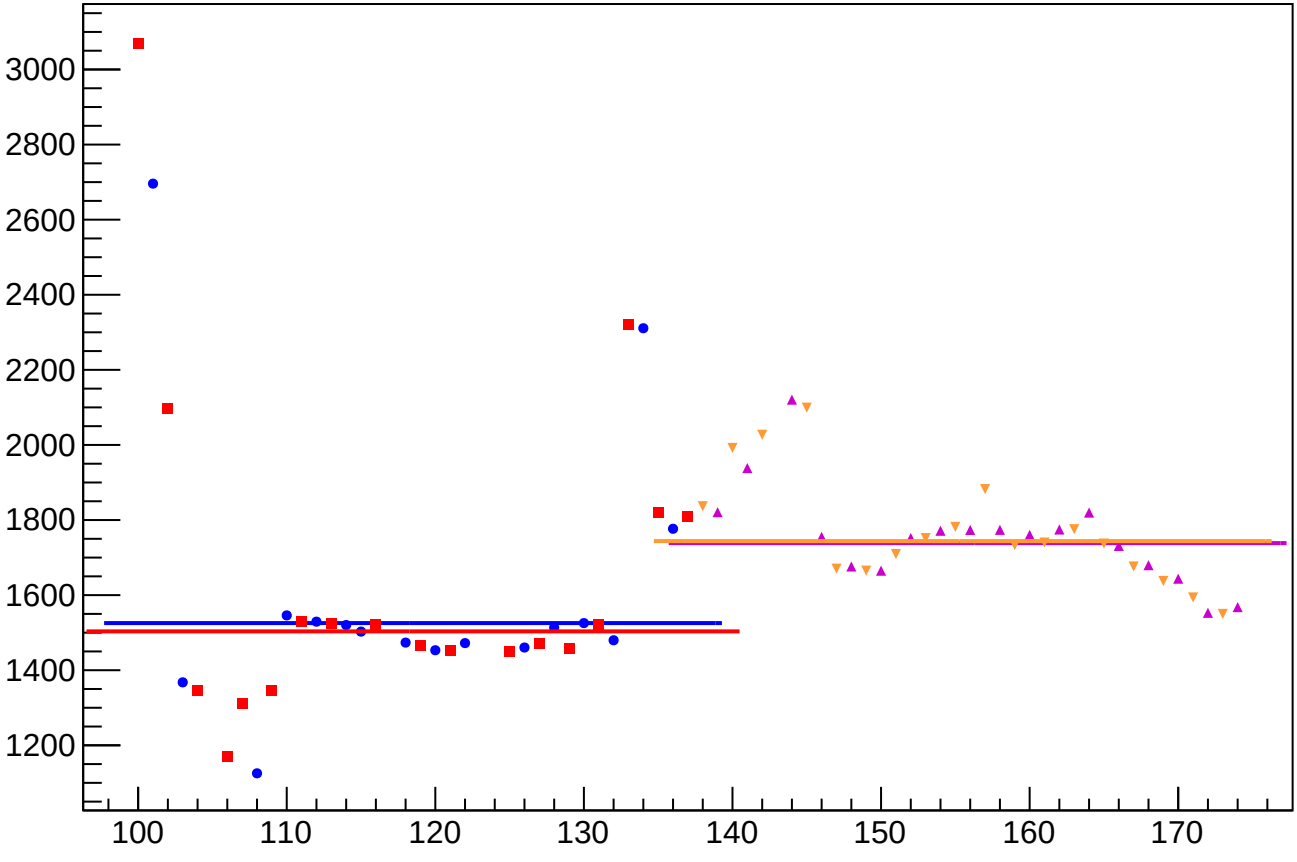
Left In: 1230.381+/-451.928 χ^2/NDF:8.8/17

\+ sign 705.894+/-361.851 χ^2/NDF: 56.3/33

All: 837.033+/-253.535 χ^2/NDF: 84.1/69

\- 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: 1743.907+/-0.328 χ^2/NDF:159812.7/17

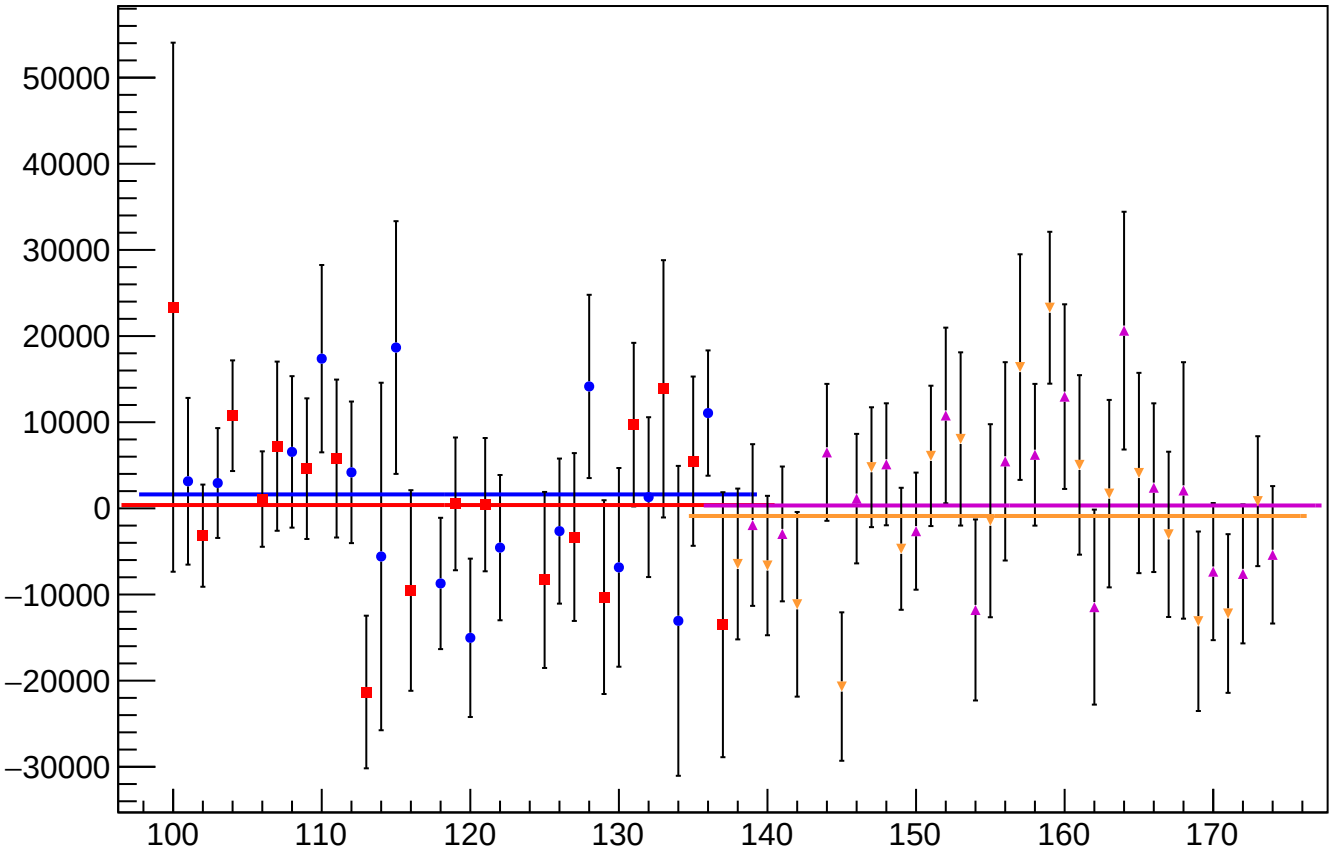
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1738.577+/-0.320 χ^2/NDF:142863.3/17

+ sign 1658.342+/-0.256 χ^2/NDF: 821714.2/33

All: 1653.473+/-0.179 χ^2/NDF: 1510572.3/69

- 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: -884.889+/-2145.536 χ^2/NDF:22.4/17

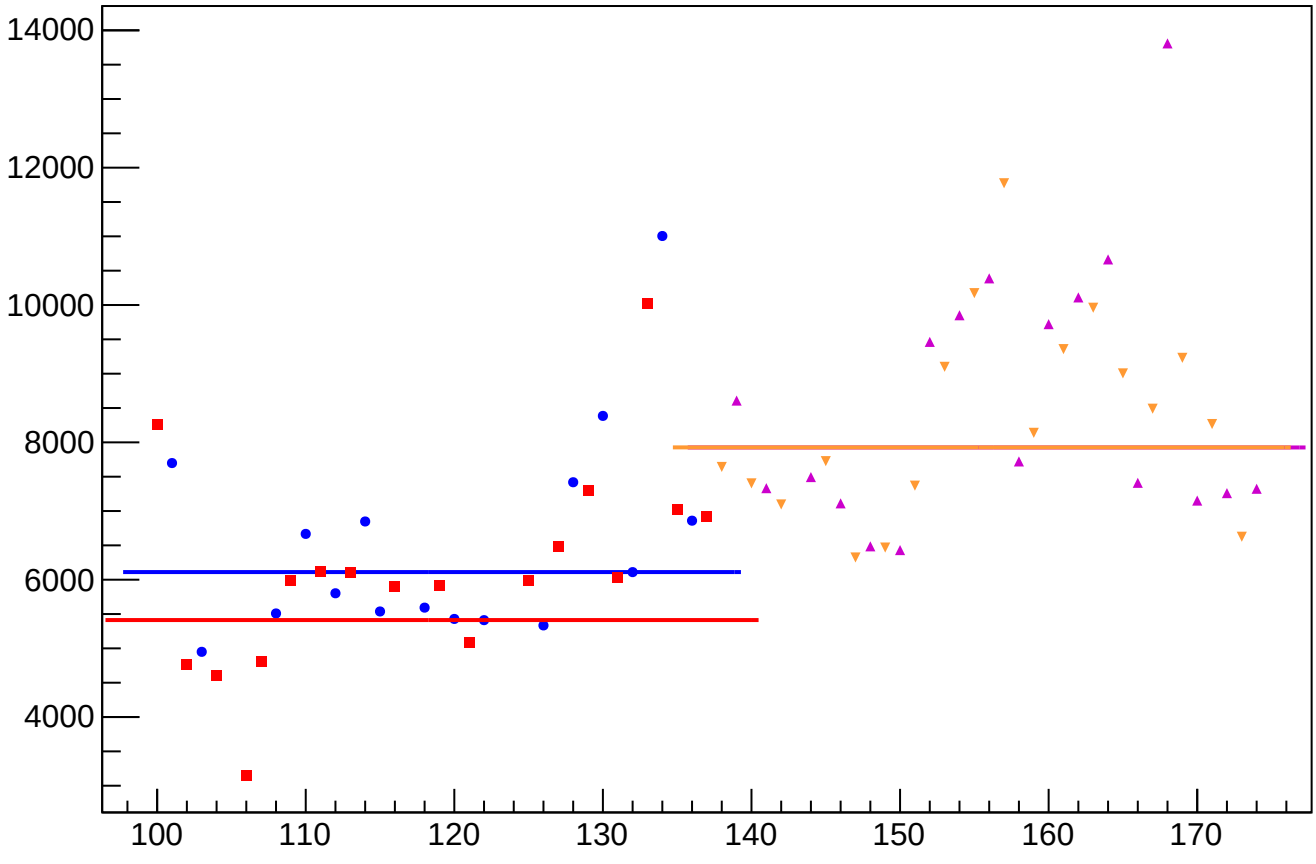
Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: 334.115+/-2097.087 χ^2/NDF:11.7/17

+ sign 269.850+/-1575.204 χ^2/NDF: 37.3/33

All: 318.296+/-1074.674 χ^2/NDF: 65.0/69

- sign 360.480+/-1469.892 χ^2/NDF: 27.7/35



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7926.688+/-1.517 χ^2/NDF:730565.6/17

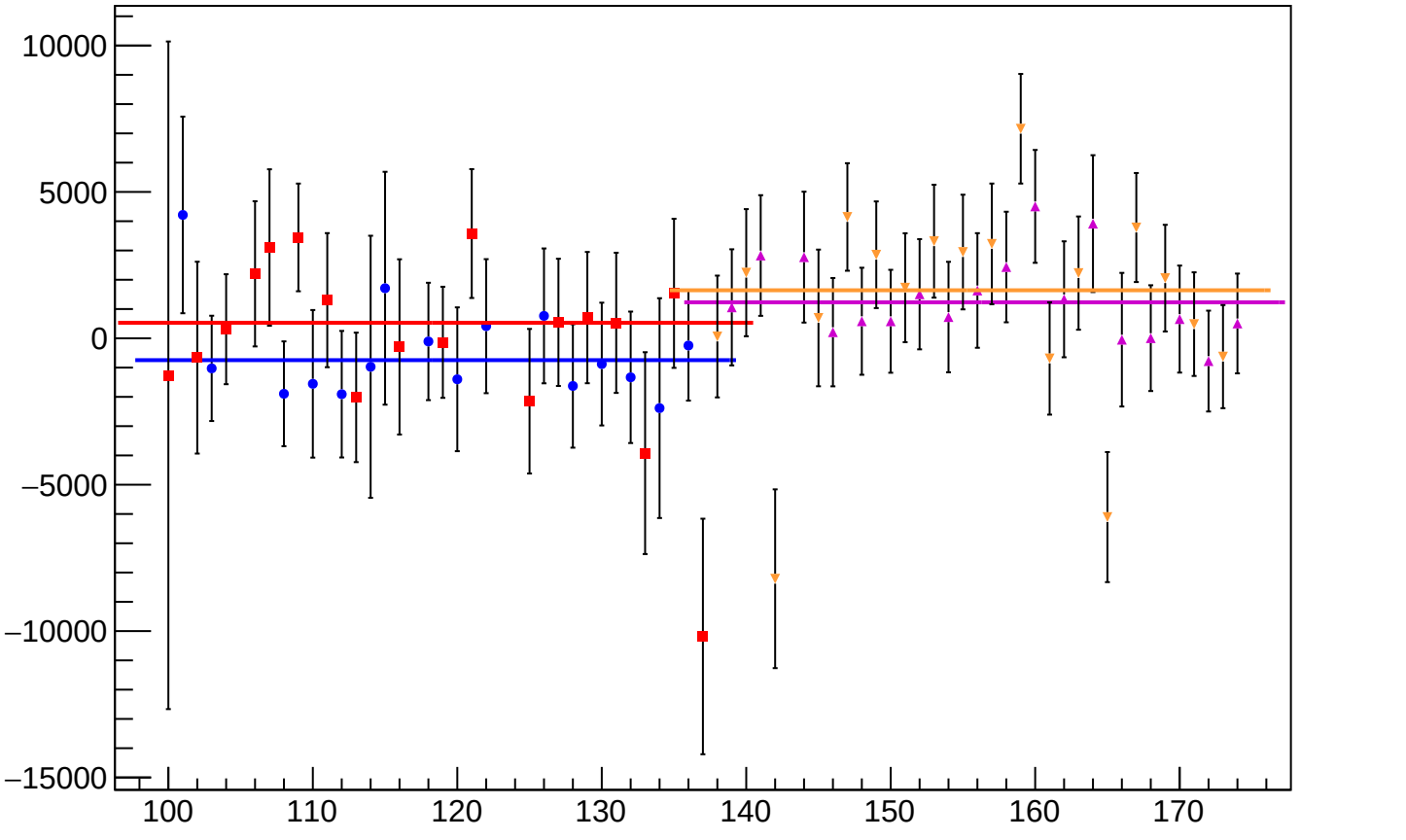
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7925.563+/-1.483 χ^2/NDF:1007464.9/17

+ sign 7089.702+/-1.114 χ^2/NDF: 1862477.6/33

All: 6853.074+/-0.760 χ^2/NDF: 5237246.9/69

- 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: 1641.262+/-464.000 χ^2/NDF:41.2/17

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

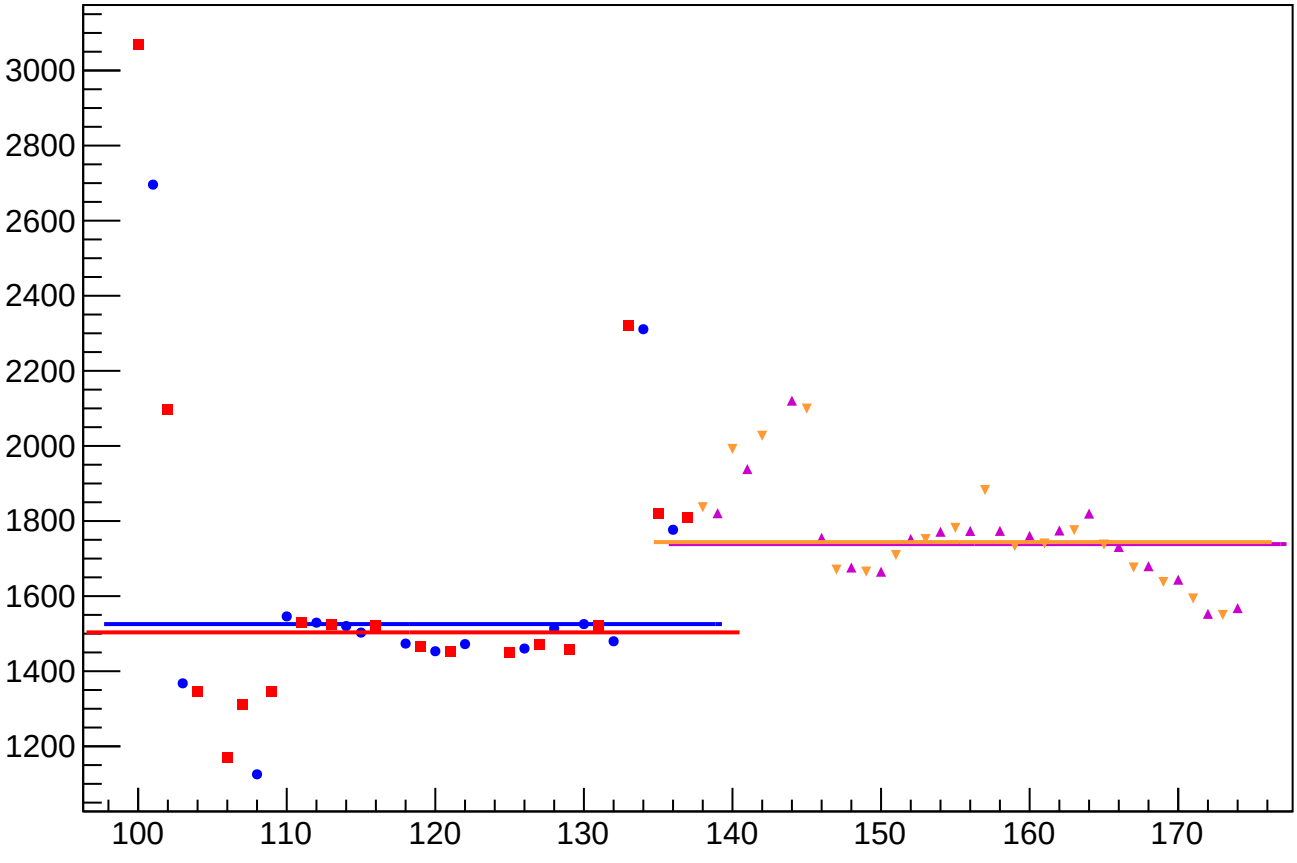
Left In: 1230.378+/-451.928 χ^2/NDF:8.8/17

+ sign 705.892+/-361.851 χ^2/NDF: 56.3/33

All: 837.034+/-253.535 χ^2/NDF: 84.1/69

- 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: 1743.908+/-0.328 χ^2/NDF:159817.7/17

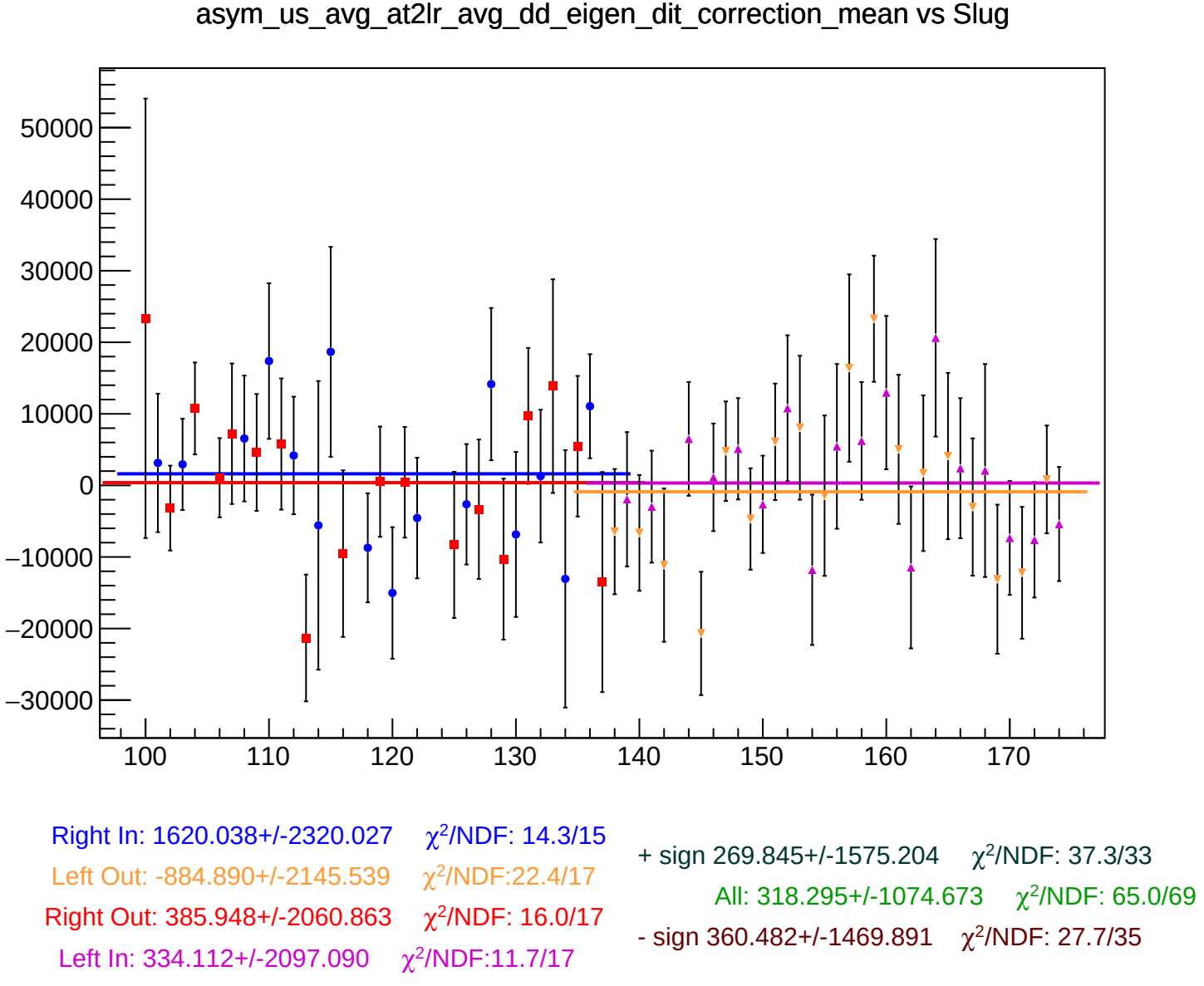
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

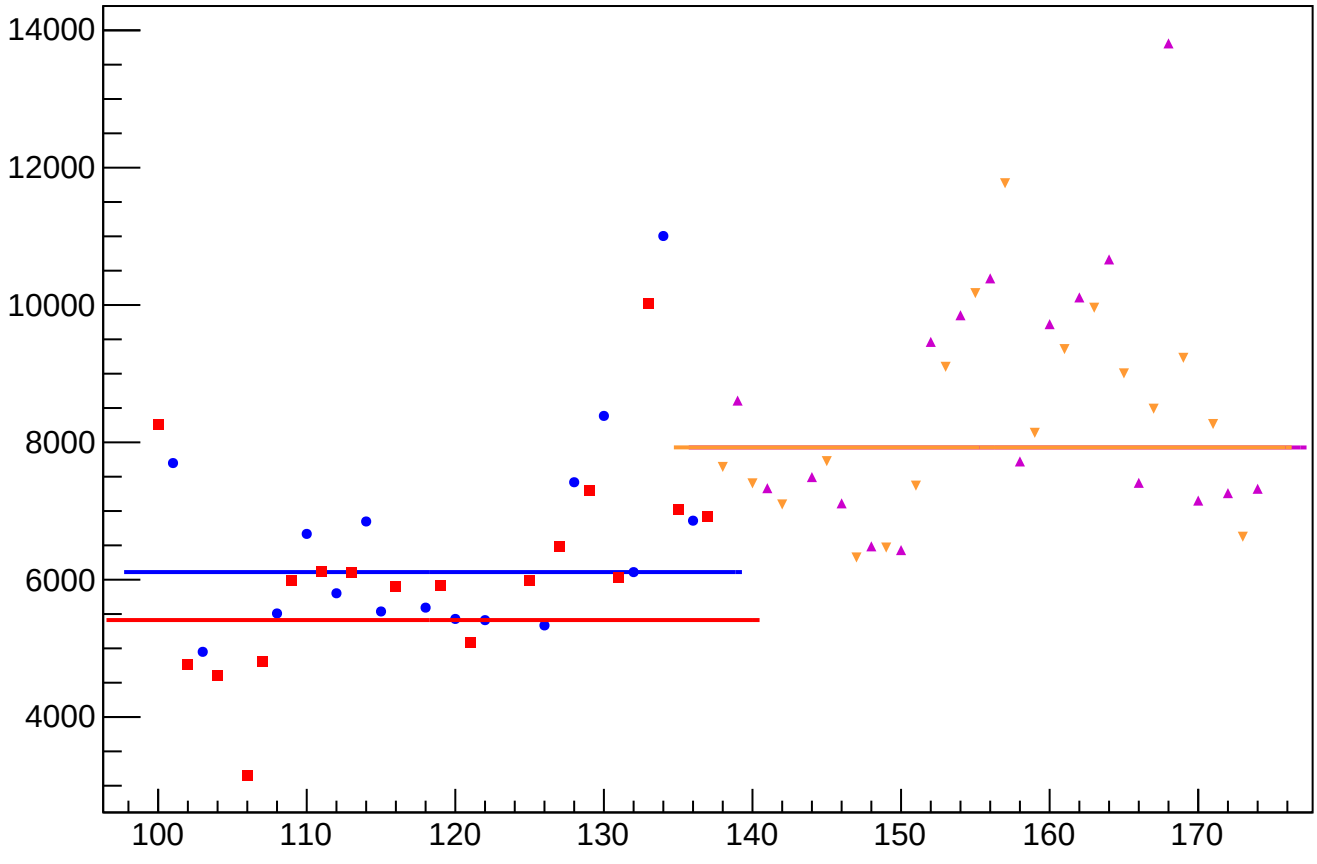
Left In: 1738.579+/-0.320 χ^2/NDF:142867.6/17

+ sign 1658.343+/-0.256 χ^2/NDF: 821721.1/33

All: 1653.474+/-0.179 χ^2/NDF: 1510586.3/69

- sign 1648.778+/-0.251 χ^2/NDF: 688153.7/35


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: 1620.038+/-2320.027 χ²/NDF: 14.3/15
Left Out: -884.890+/-2145.539 χ²/NDF:22.4/17
Right Out: 385.948+/-2060.863 χ²/NDF: 16.0/17
Left In: 334.112+/-2097.090 χ²/NDF:11.7/17
+ sign 269.845+/-1575.204 χ²/NDF: 37.3/33
All: 318.295+/-1074.673 χ²/NDF: 65.0/69
- sign 360.482+/-1469.891 χ²/NDF: 27.7/35



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7926.700+/-1.517 χ^2/NDF:730566.2/17

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

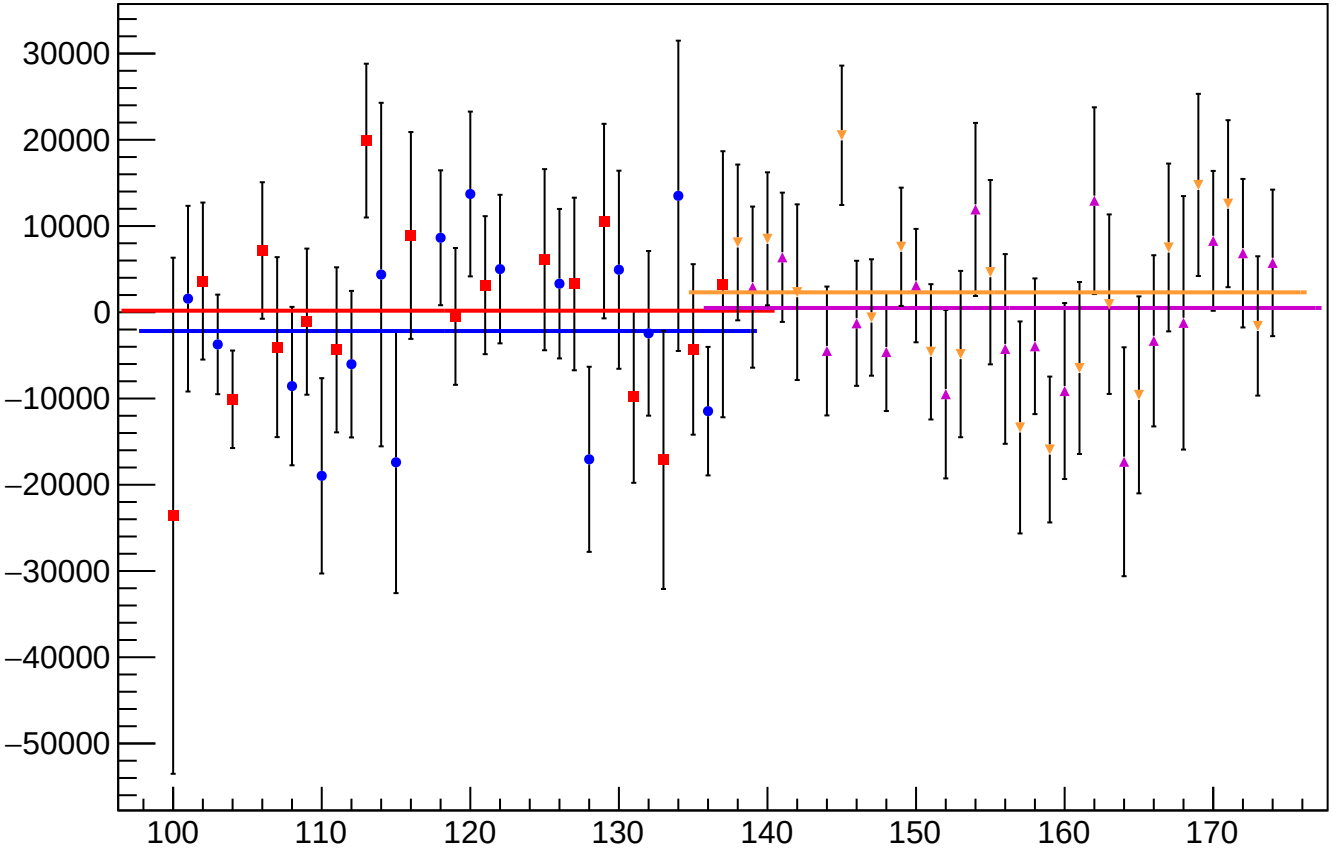
Left In: 7925.574+/-1.483 χ^2/NDF:1007466.7/17

+ sign 7089.699+/-1.114 χ^2/NDF: 1862499.5/33

All: 6853.070+/-0.760 χ^2/NDF: 5237298.3/69

- 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: 2311.129+/-2103.177 χ^2/NDF:19.5/17

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

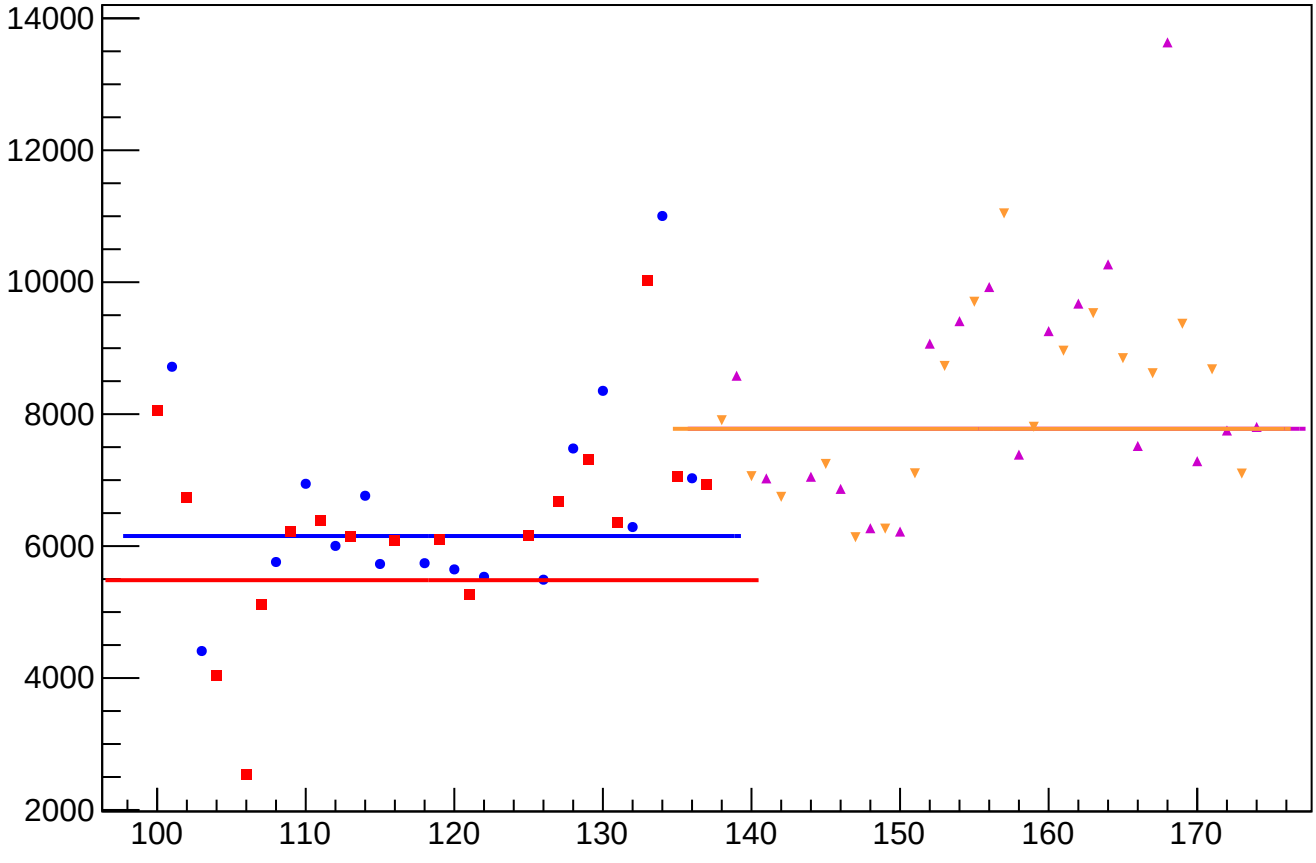
Left In: 499.365+/-2055.635 χ^2/NDF:10.8/17

\+ sign 314.172+/-1566.500 χ^2/NDF: 36.1/33

All: 334.912+/-1087.565 χ^2/NDF: 61.5/69

\- 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: 7777.893+/-1.487 χ^2/NDF:697673.5/17

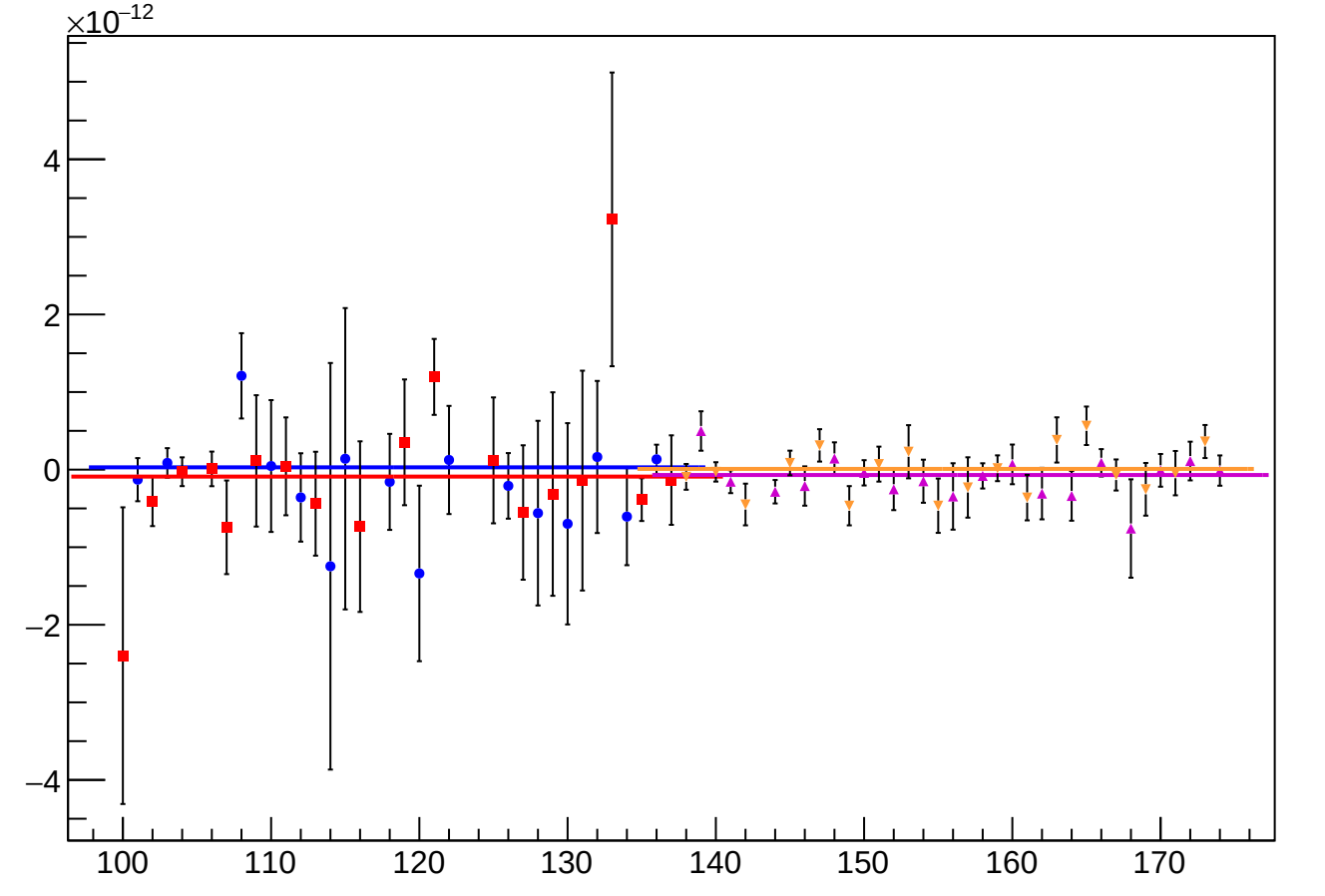
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7778.474+/-1.454 χ^2/NDF:964329.1/17

+ sign 7054.292+/-1.108 χ^2/NDF: 1853423.7/33

All: 6858.135+/-0.762 χ^2/NDF: 5217375.5/69

- 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:23.8/17

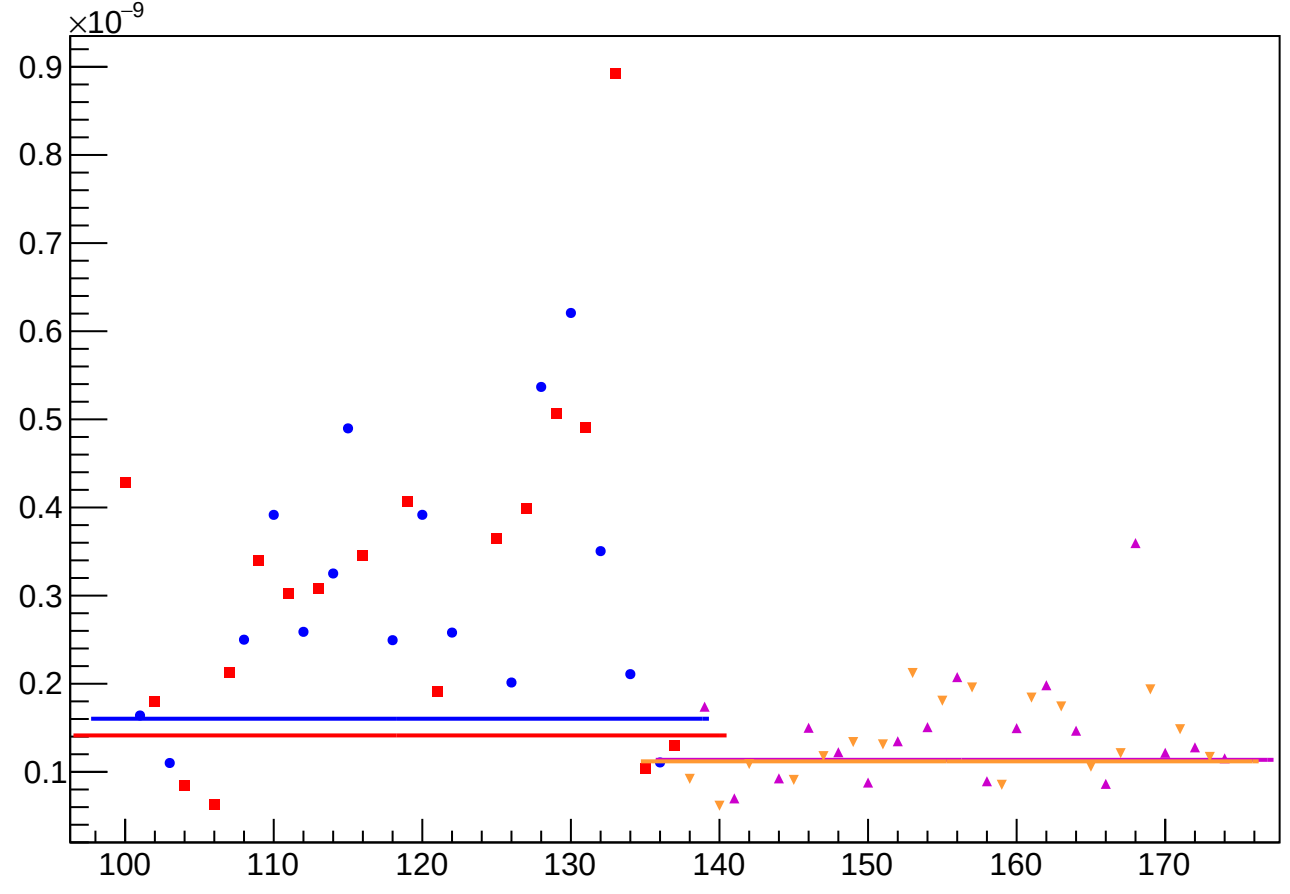
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:13.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 33.3/33

All: -0.000+/-0.000 χ^2/NDF: 65.5/69

- 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:1181023.2/17

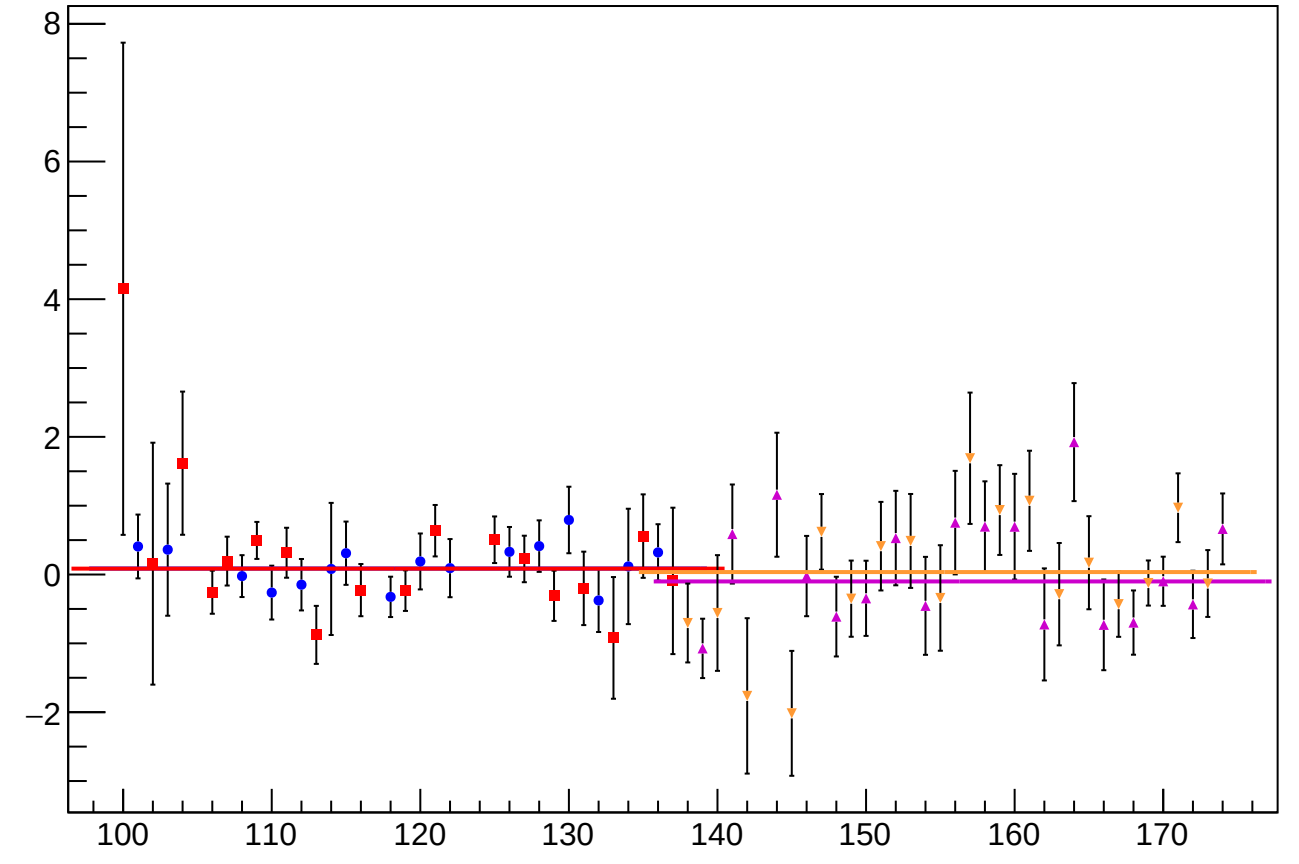
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1159577.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 2859848.5/33

All: 0.000+/-0.000 χ^2/NDF: 6304754.1/69

- sign 0.000+/-0.000 χ^2/NDF: 3442346.0/35



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.036+/-0.141 χ^2/NDF:24.5/17

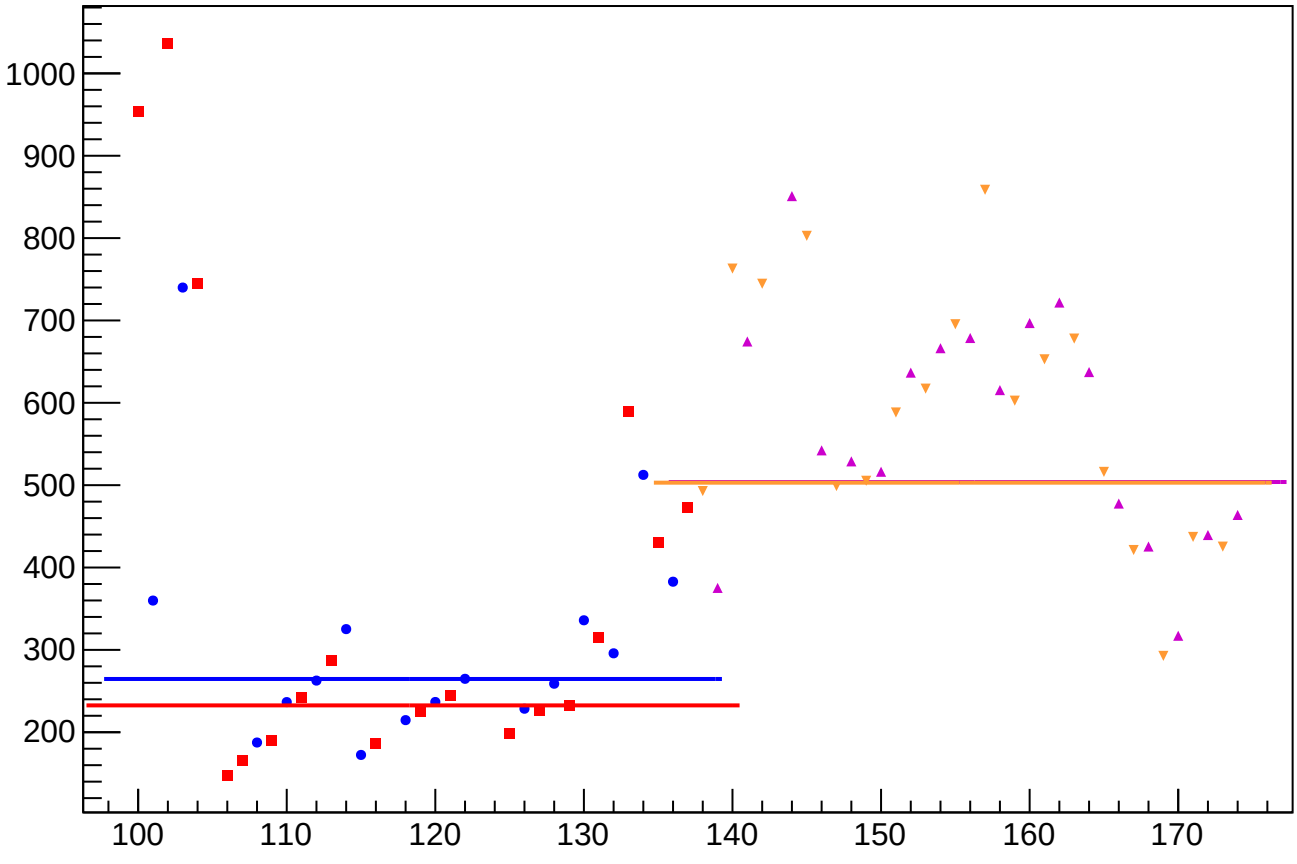
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.100+/-0.137 χ^2/NDF:25.3/17

+ sign 0.069+/-0.084 χ^2/NDF: 33.4/33

All: 0.045+/-0.058 χ^2/NDF: 81.8/69

- 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: 503.042+/-0.099 χ^2/NDF:2209124.3/17

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

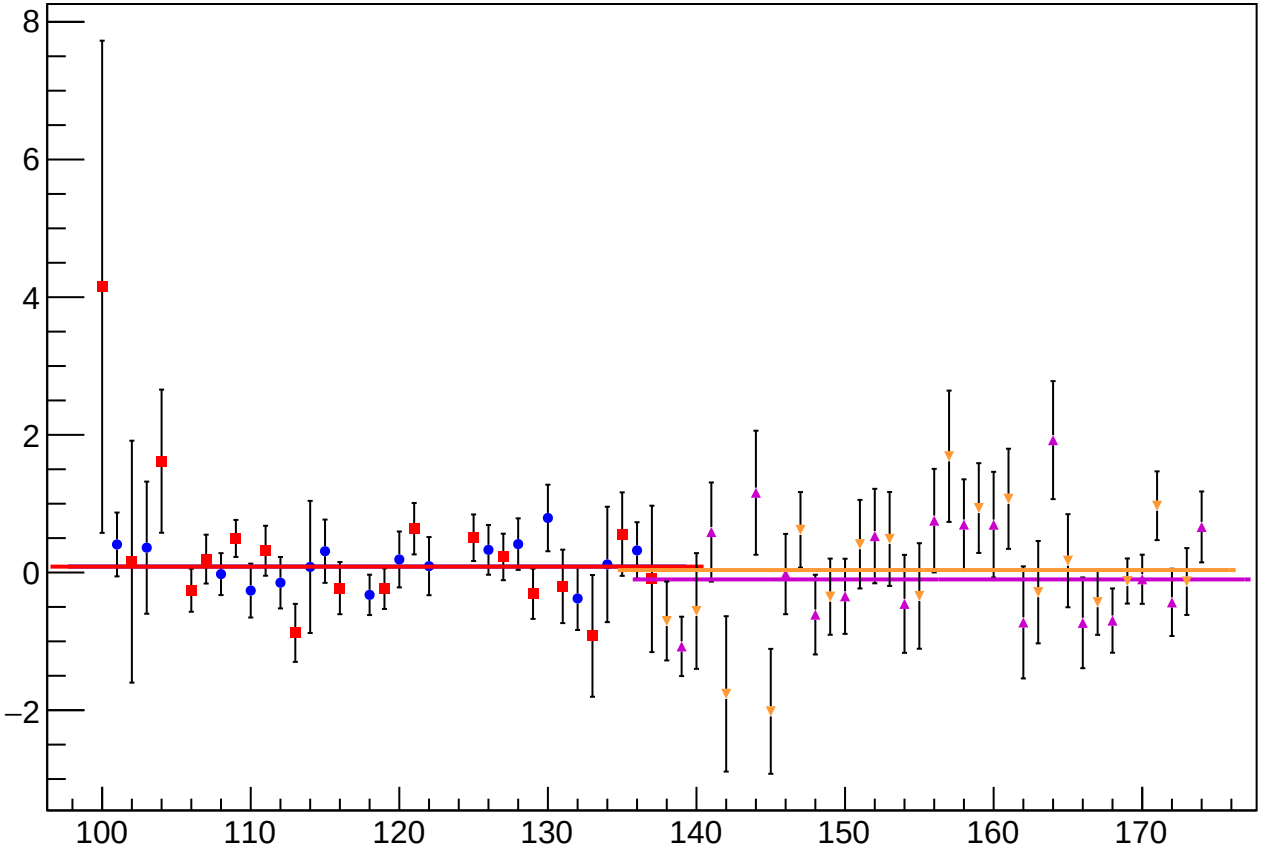
Left In: 503.842+/-0.097 χ^2/NDF:1916771.9/17

+ sign 350.159+/-0.060 χ^2/NDF: 7184532.6/33

All: 336.077+/-0.041 χ^2/NDF: 16447947.0/69

- 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: 0.036+/-0.141 χ^2/NDF:24.5/17

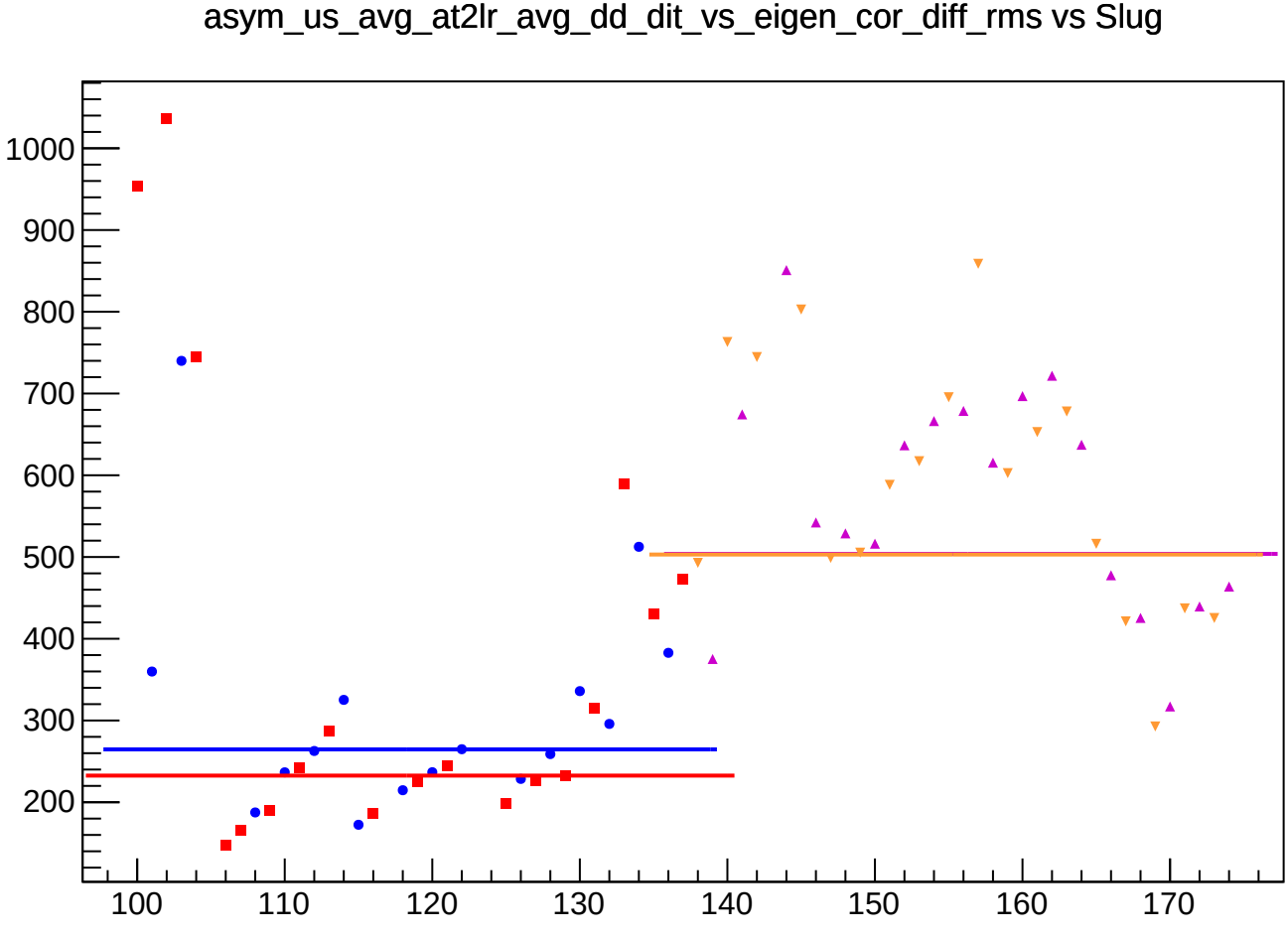
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

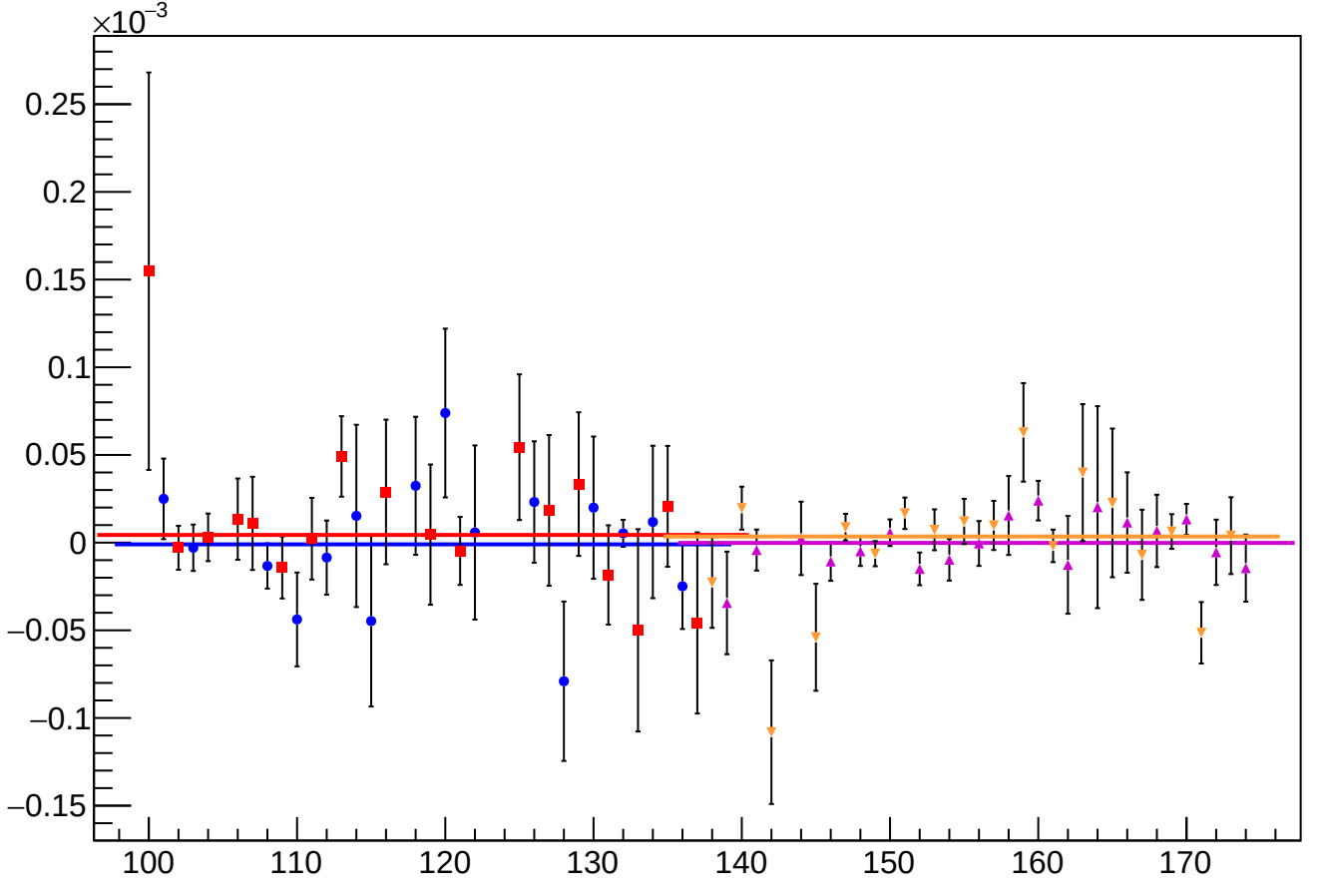
Left In: -0.100+/-0.137 χ^2/NDF:25.3/17

+ sign 0.069+/-0.084 χ^2/NDF: 33.4/33

All: 0.045+/-0.058 χ^2/NDF: 81.8/69

- sign 0.023+/-0.079 χ^2/NDF: 48.3/35


asym_us_avg_at2lr_avg_dd_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: 1284007.6/15
Left Out: 503.042+/-0.099 χ²/NDF:2209124.3/17
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 503.842+/-0.097 χ²/NDF:1916771.9/17
+ sign 350.159+/-0.060 χ²/NDF: 7184532.6/33
All: 336.077+/-0.041 χ²/NDF: 16447947.0/69
- sign 323.555+/-0.056 χ²/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:35.0/17

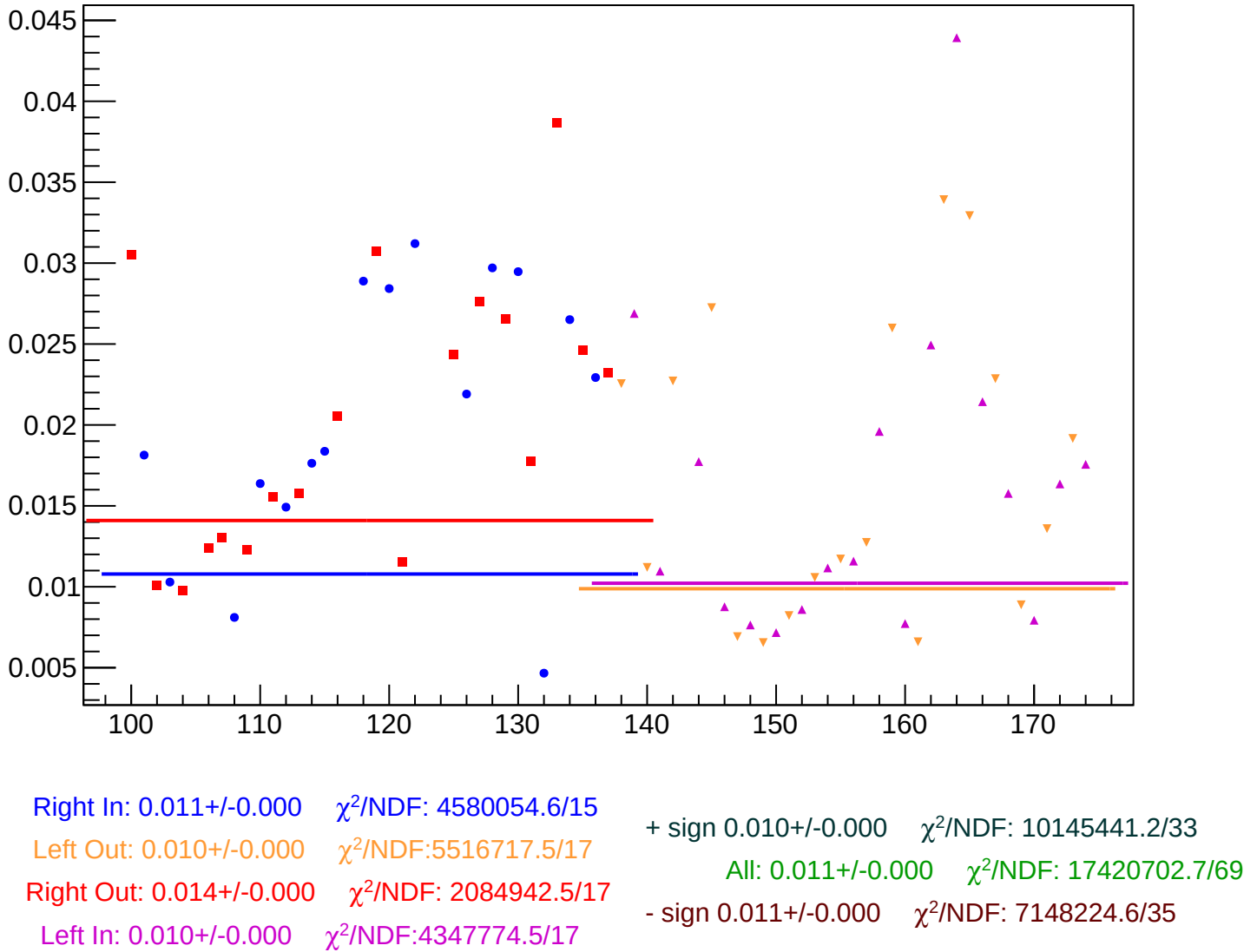
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

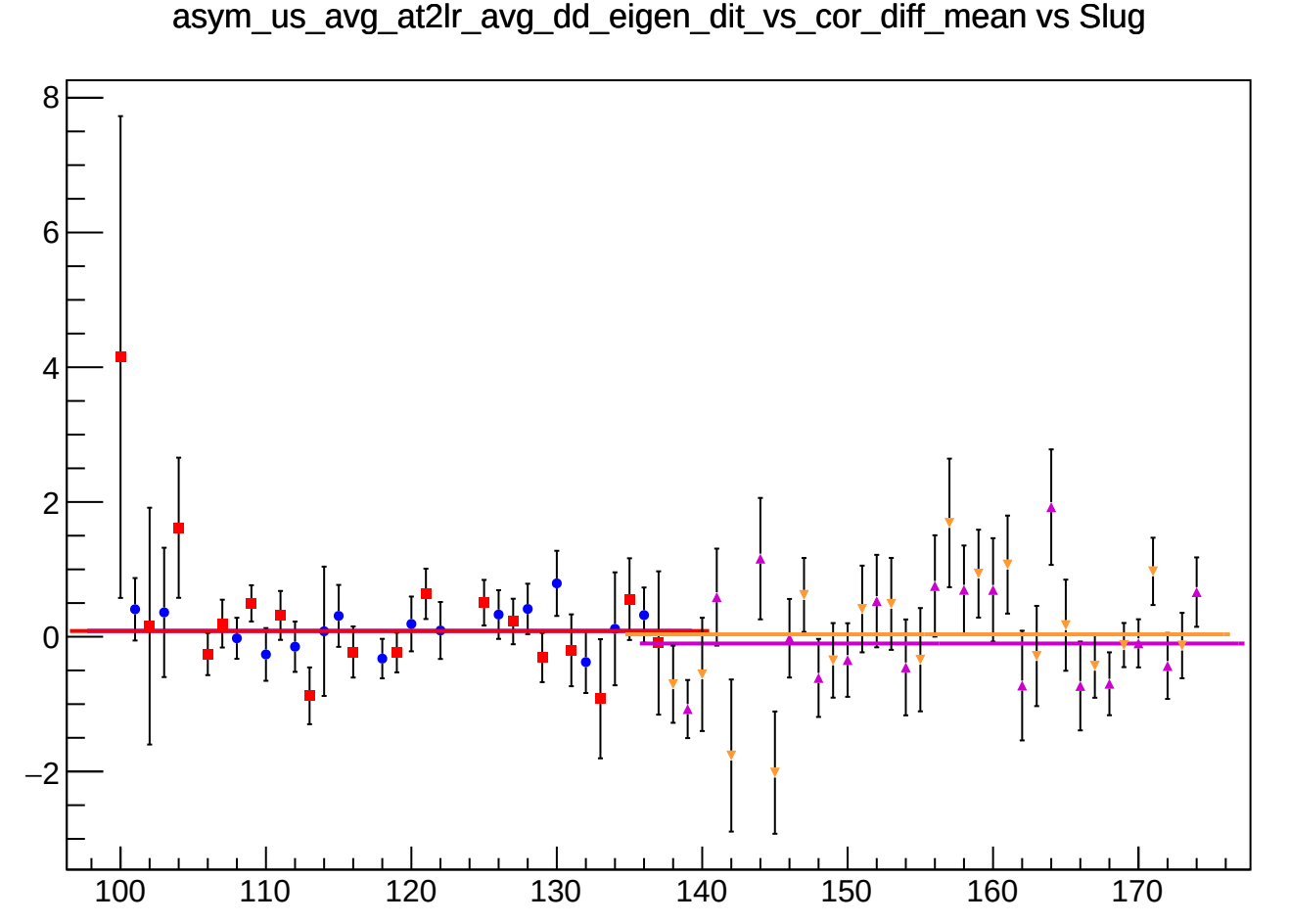
Left In: -0.000+/-0.000 χ^2/NDF:15.1/17

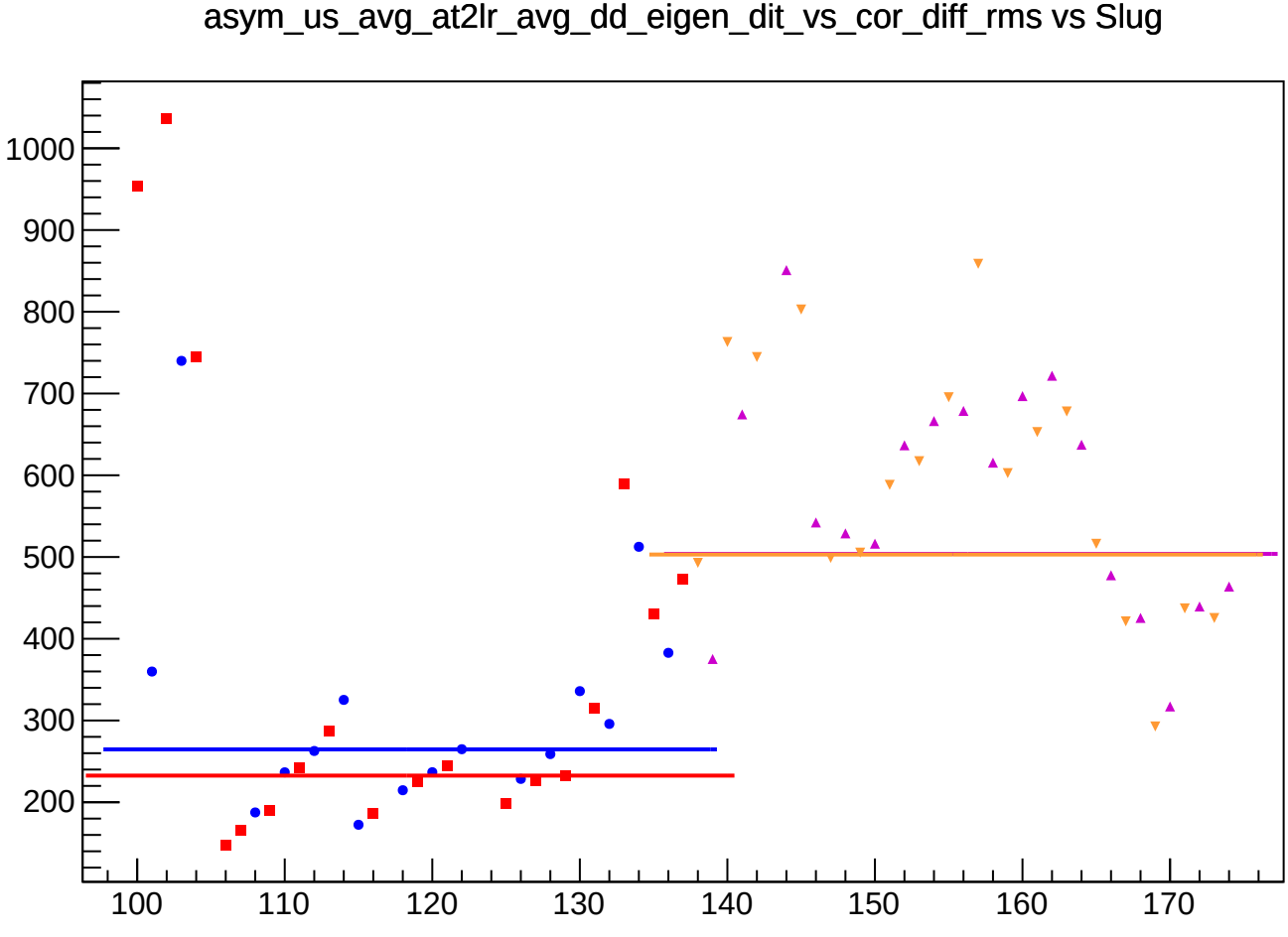
+ sign 0.000+/-0.000 χ^2/NDF: 49.9/33

All: 0.000+/-0.000 χ^2/NDF: 78.3/69

- 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:5516717.5/17
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: 10145441.2/33
All: 0.011+/-0.000 χ²/NDF: 17420702.7/69
- sign 0.011+/-0.000 χ²/NDF: 7148224.6/35


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: 0.036+/-0.141 χ²/NDF:24.5/17
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.101+/-0.137 χ²/NDF:25.3/17
+ sign 0.069+/-0.084 χ²/NDF: 33.4/33
All: 0.045+/-0.058 χ²/NDF: 81.8/69
- sign 0.023+/-0.079 χ²/NDF: 48.3/35



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 503.042+/-0.099 χ^2/NDF:2209255.8/17

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

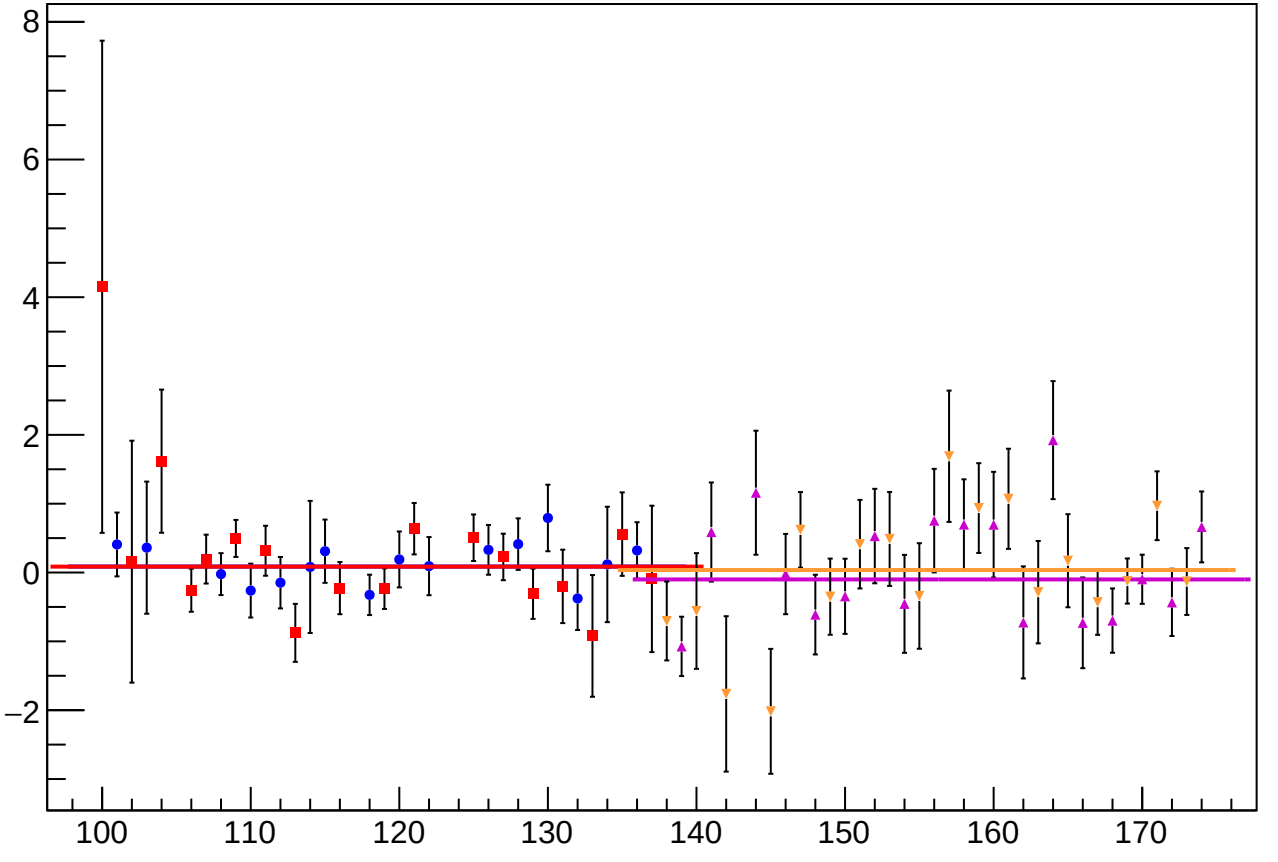
Left In: 503.845+/-0.097 χ^2/NDF:1916820.9/17

+ sign 350.158+/-0.060 χ^2/NDF: 7184642.3/33

All: 336.078+/-0.041 χ^2/NDF: 16448119.5/69

- sign 323.556+/-0.056 χ^2/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: 0.036+/-0.141 χ^2/NDF:24.5/17

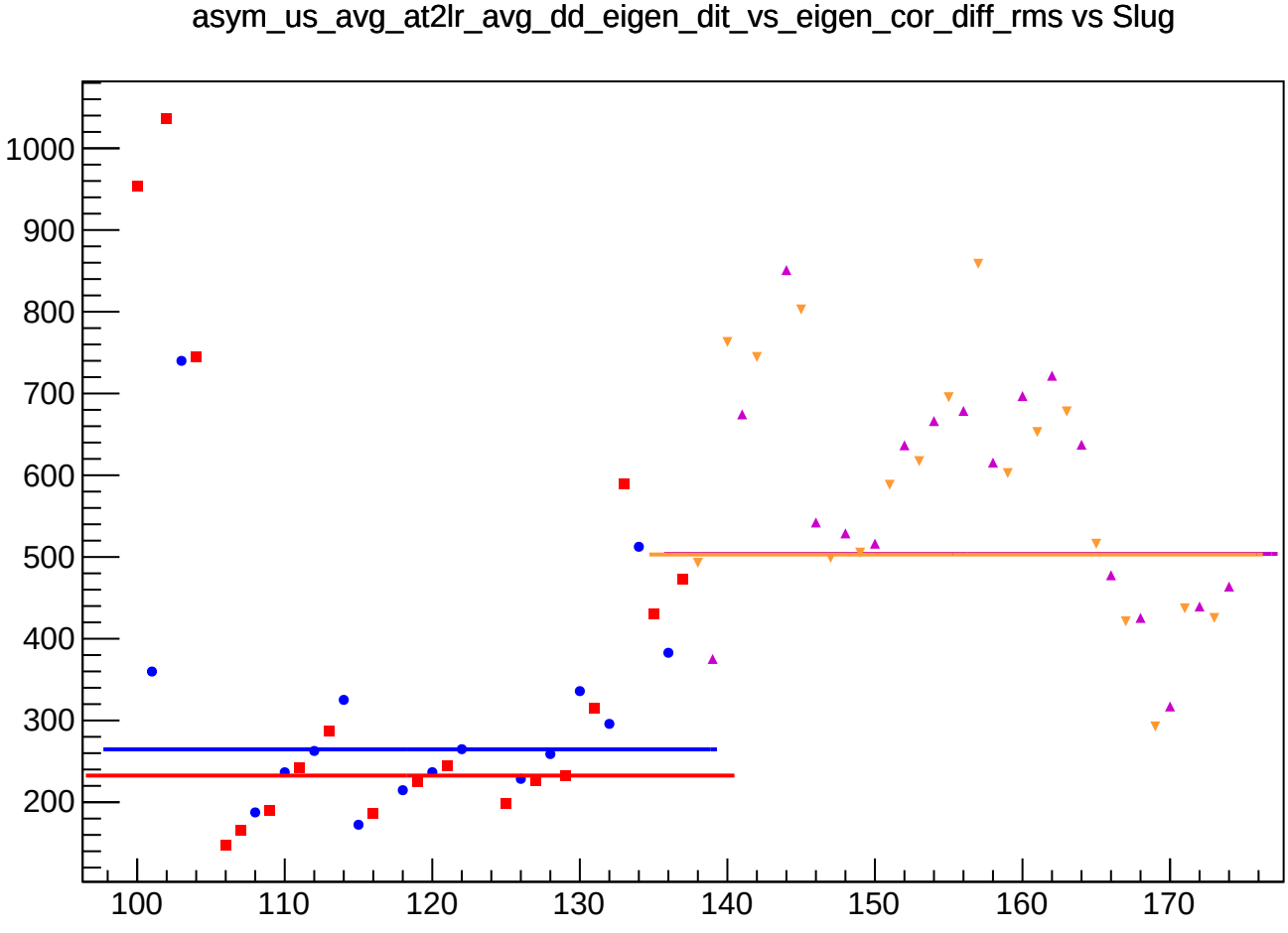
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.101+/-0.137 χ^2/NDF:25.3/17

+ sign 0.069+/-0.084 χ^2/NDF: 33.4/33

All: 0.045+/-0.058 χ^2/NDF: 81.8/69

- sign 0.023+/-0.079 χ^2/NDF: 48.3/35



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 503.042+/-0.099 χ^2/NDF:2209255.8/17

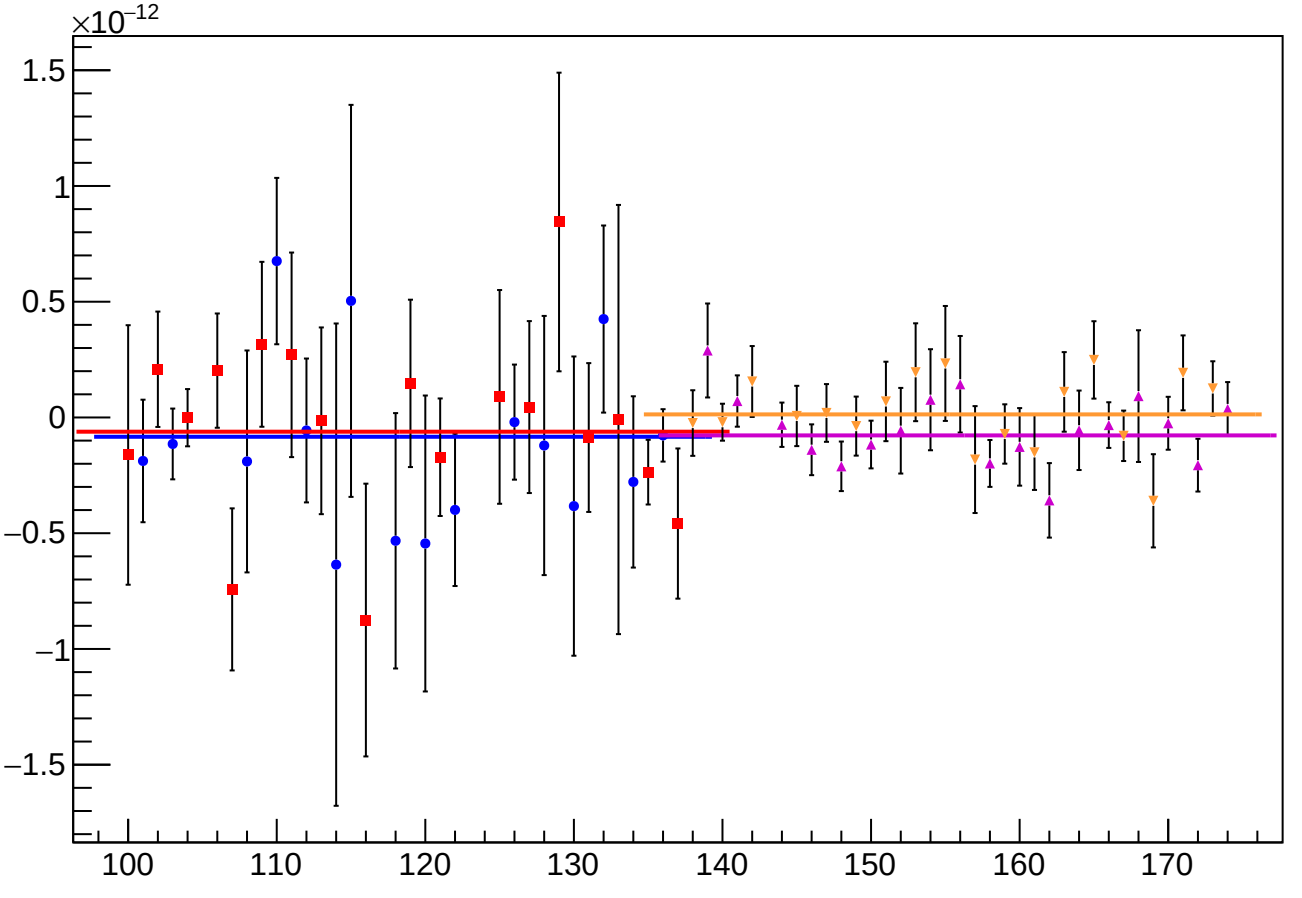
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 503.845+/-0.097 χ^2/NDF:1916820.9/17

+ sign 350.158+/-0.060 χ^2/NDF: 7184642.3/33

All: 336.078+/-0.041 χ^2/NDF: 16448119.5/69

- sign 323.556+/-0.056 χ^2/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:13.7/17

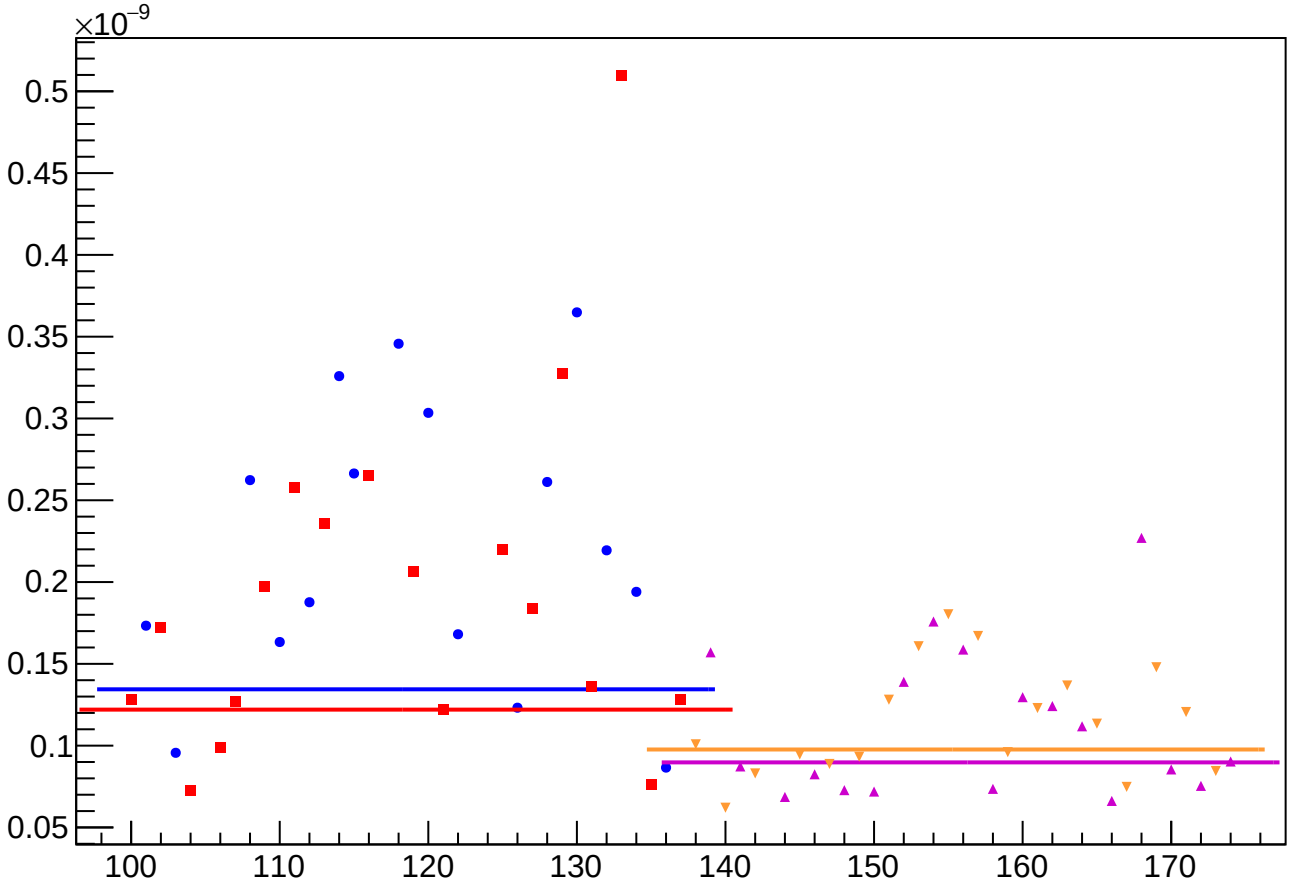
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:16.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 25.0/33

All: -0.000+/-0.000 χ^2/NDF: 60.3/69

- sign -0.000+/-0.000 χ^2/NDF: 32.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1522634.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

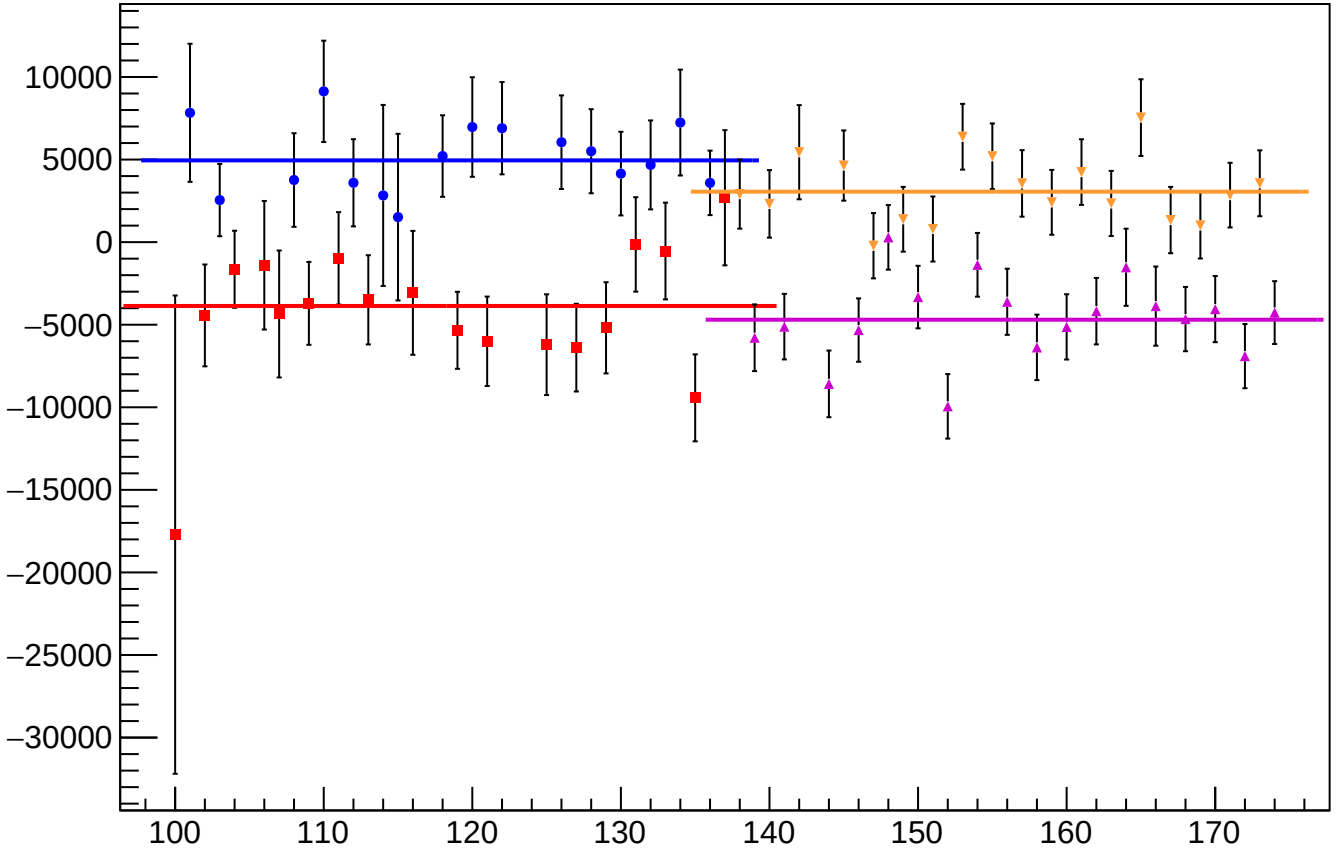
Left In: 0.000+/-0.000 χ^2/NDF:2011715.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 3799909.6/33

All: 0.000+/-0.000 χ^2/NDF: 8324091.5/69

- sign 0.000+/-0.000 χ^2/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: 3055.888+/-482.136 χ^2/NDF:16.4/17

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

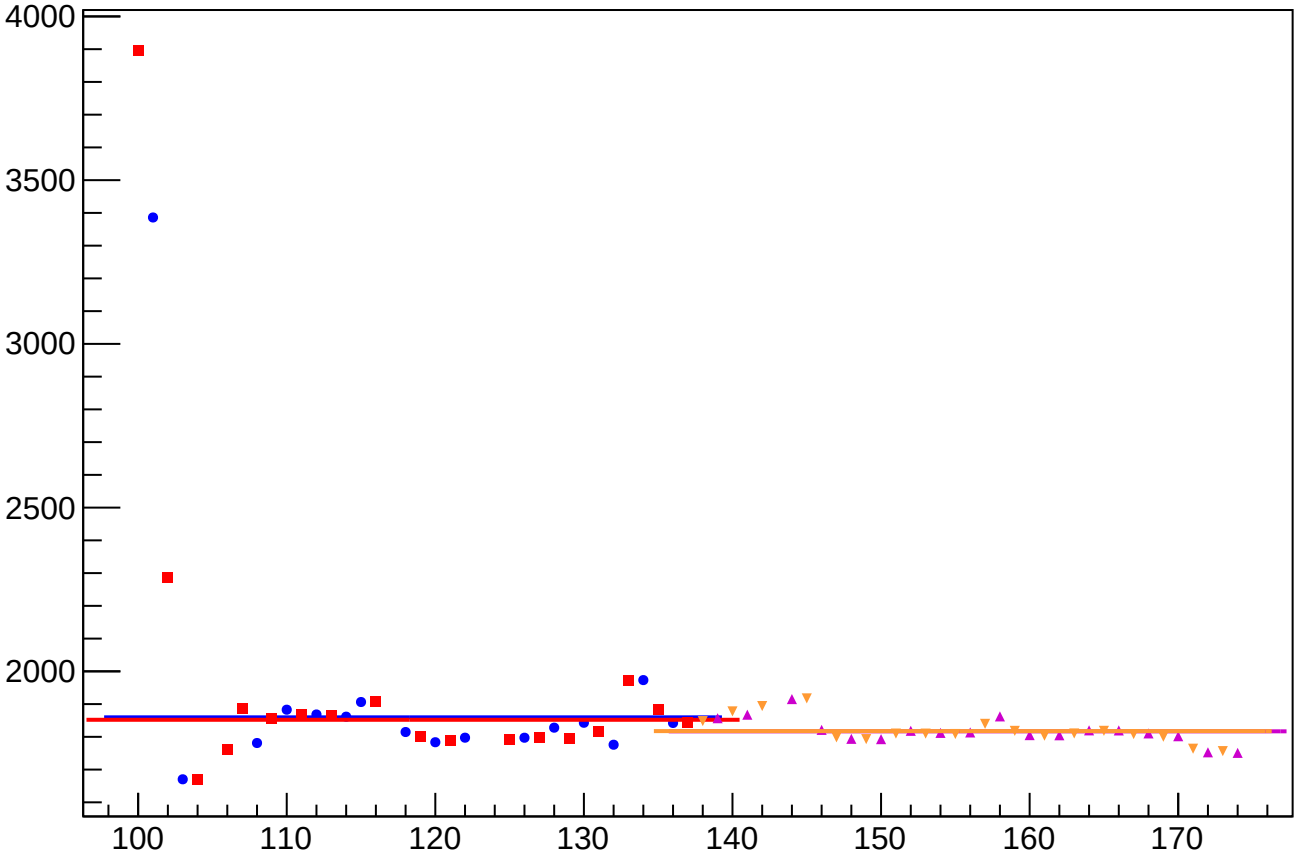
Left In: -4697.362+/-471.074 χ^2/NDF:25.9/17

+ sign 3666.692+/-396.871 χ^2/NDF: 28.2/33

All: -454.474+/-278.198 χ^2/NDF: 283.2/69

- 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: 1817.476+/-0.341 χ^2/NDF:12554.0/17

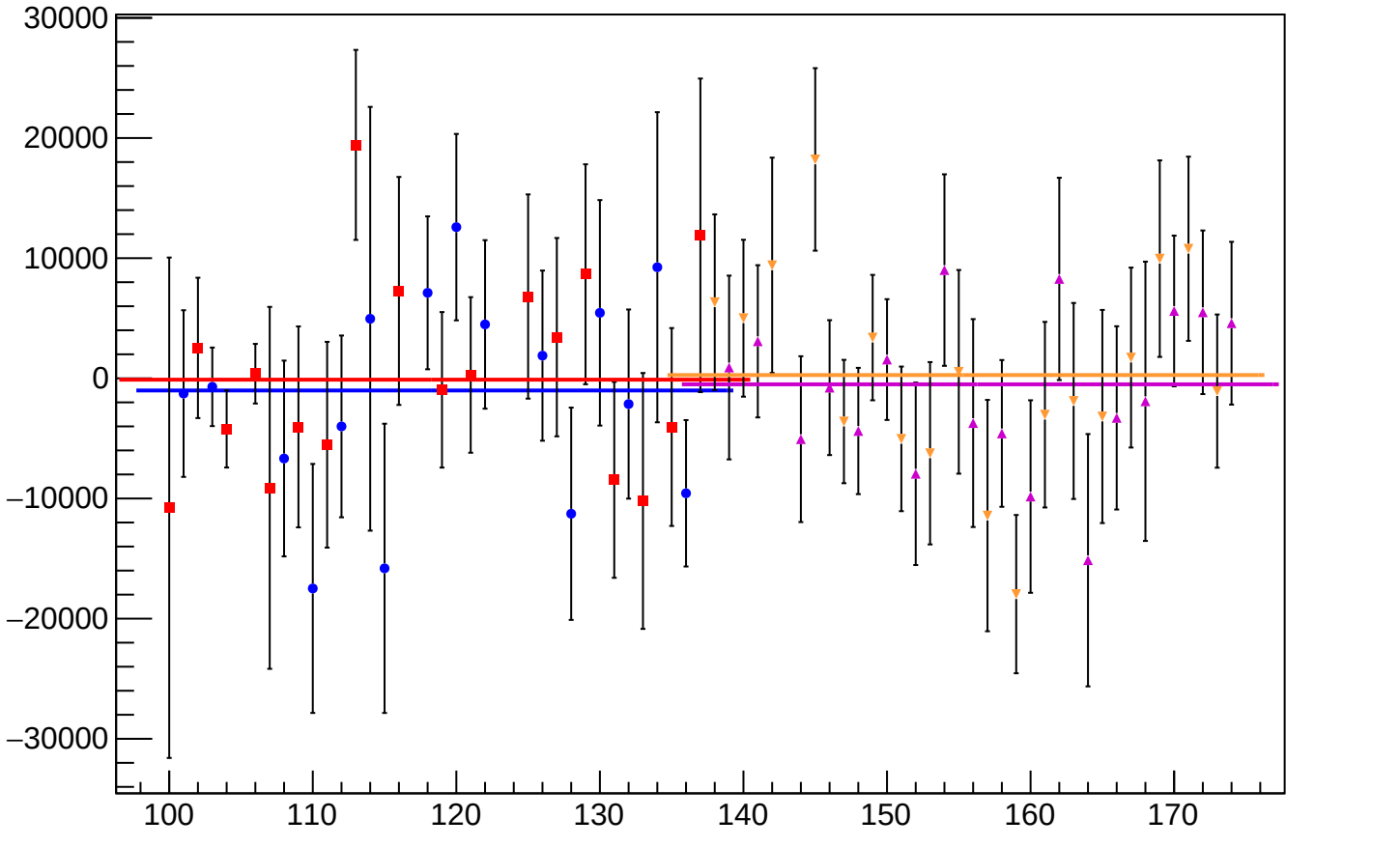
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1816.818+/-0.333 χ^2/NDF:13380.5/17

+ sign 1831.028+/-0.281 χ^2/NDF: 309789.9/33

All: 1829.457+/-0.197 χ^2/NDF: 428978.4/69

- 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: 272.391+/-1670.564 χ^2/NDF:23.2/17

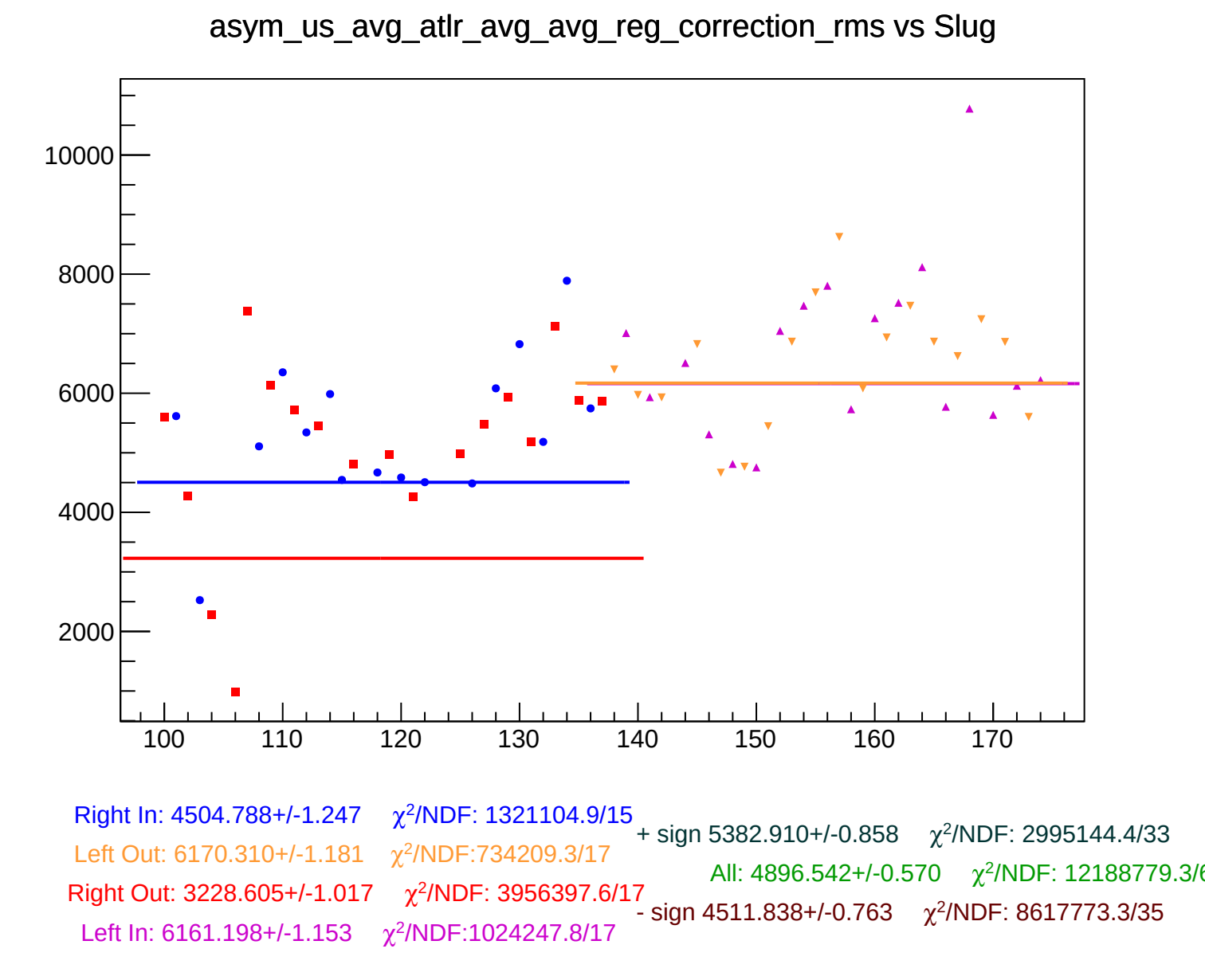
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -498.989+/-1630.869 χ^2/NDF:11.3/17

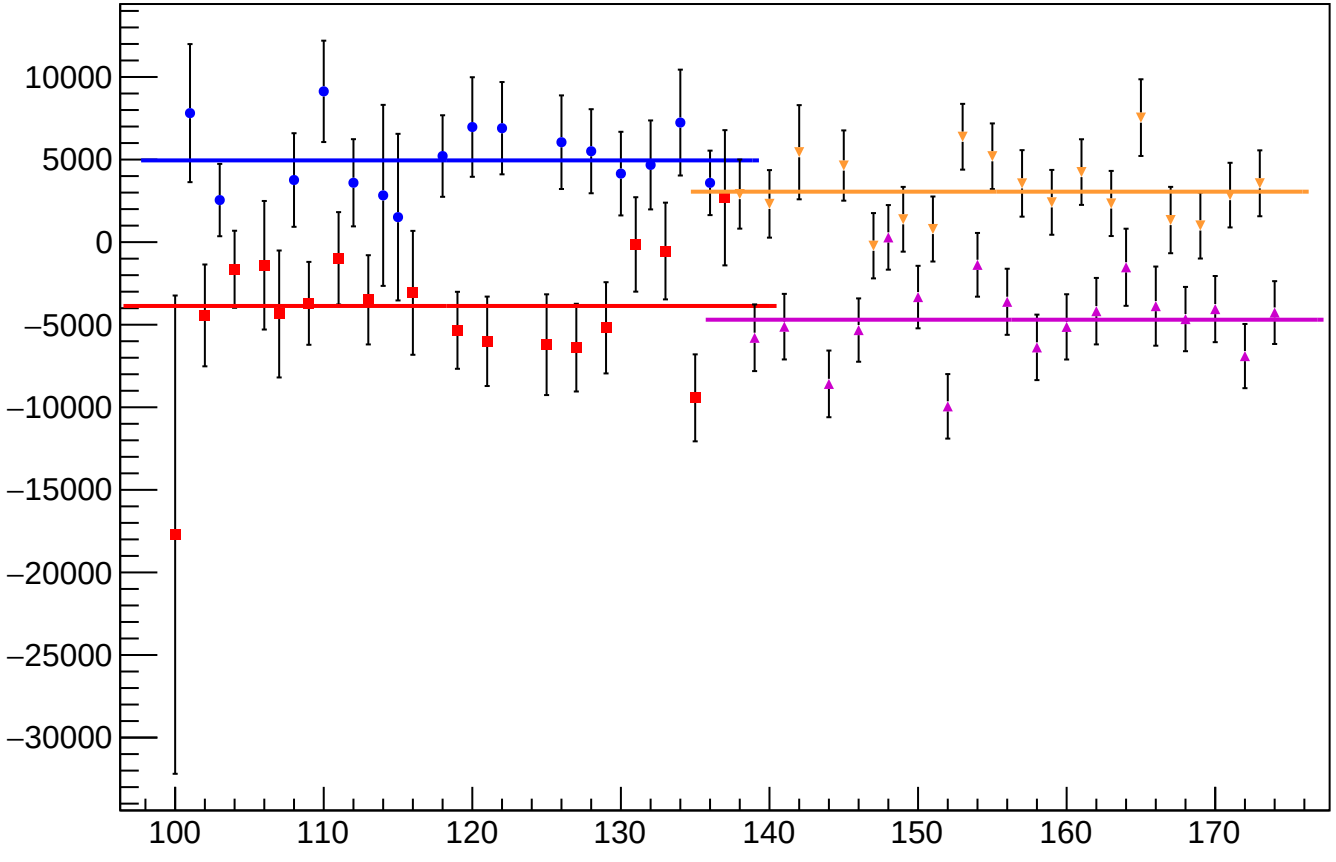
+ sign -334.014+/-1213.013 χ^2/NDF: 38.2/33

All: -304.370+/-806.124 χ^2/NDF: 64.2/69

- sign -280.922+/-1078.813 χ^2/NDF: 26.0/35


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
Right In: 4504.788+/-1.247 χ²/NDF: 1321104.9/15
Left Out: 6170.310+/-1.181 χ²/NDF:734209.3/17
Right Out: 3228.605+/-1.017 χ²/NDF: 3956397.6/17
Left In: 6161.198+/-1.153 χ²/NDF:1024247.8/17
+ sign 5382.910+/-0.858 χ²/NDF: 2995144.4/33
All: 4896.542+/-0.570 χ²/NDF: 12188779.3/6
- sign 4511.838+/-0.763 χ²/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: 3055.814+/-482.136 χ^2/NDF:16.4/17

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

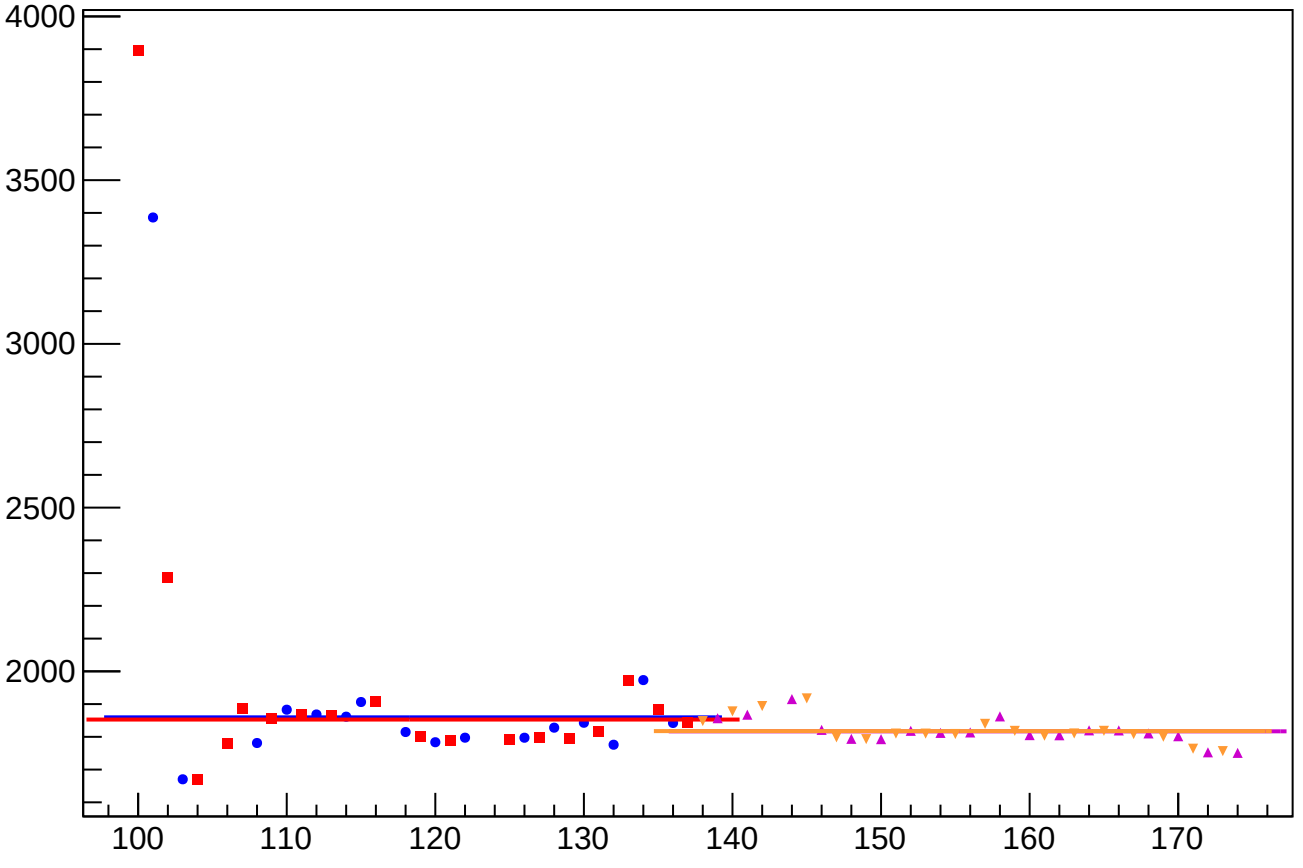
Left In: -4697.406+/-471.074 χ^2/NDF:25.9/17

+ sign 3666.486+/-396.871 χ^2/NDF: 28.2/33

All: -454.557+/-278.198 χ^2/NDF: 283.2/69

- 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: 1817.476+/-0.341 χ^2/NDF:12554.0/17

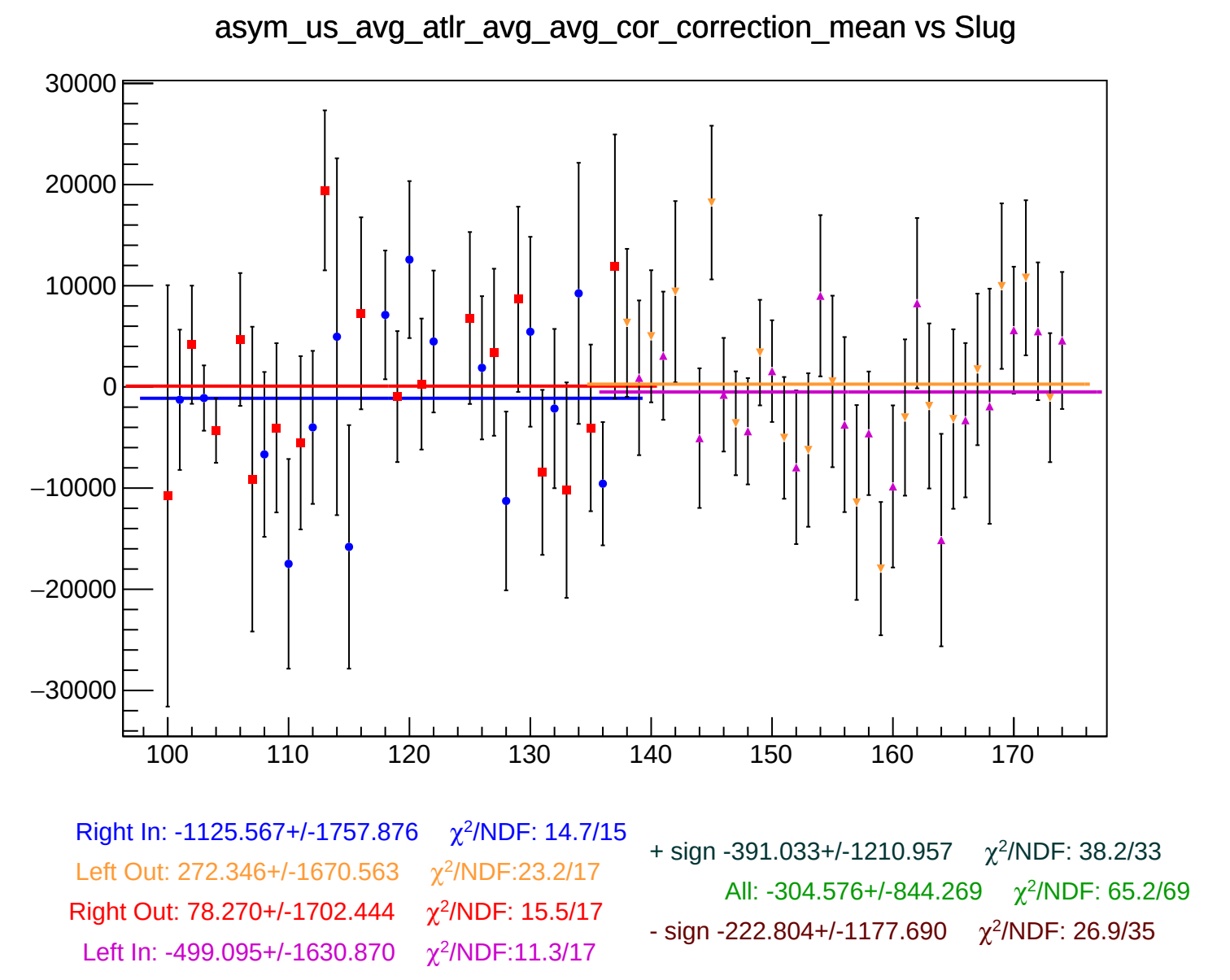
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1816.818+/-0.333 χ^2/NDF:13380.5/17

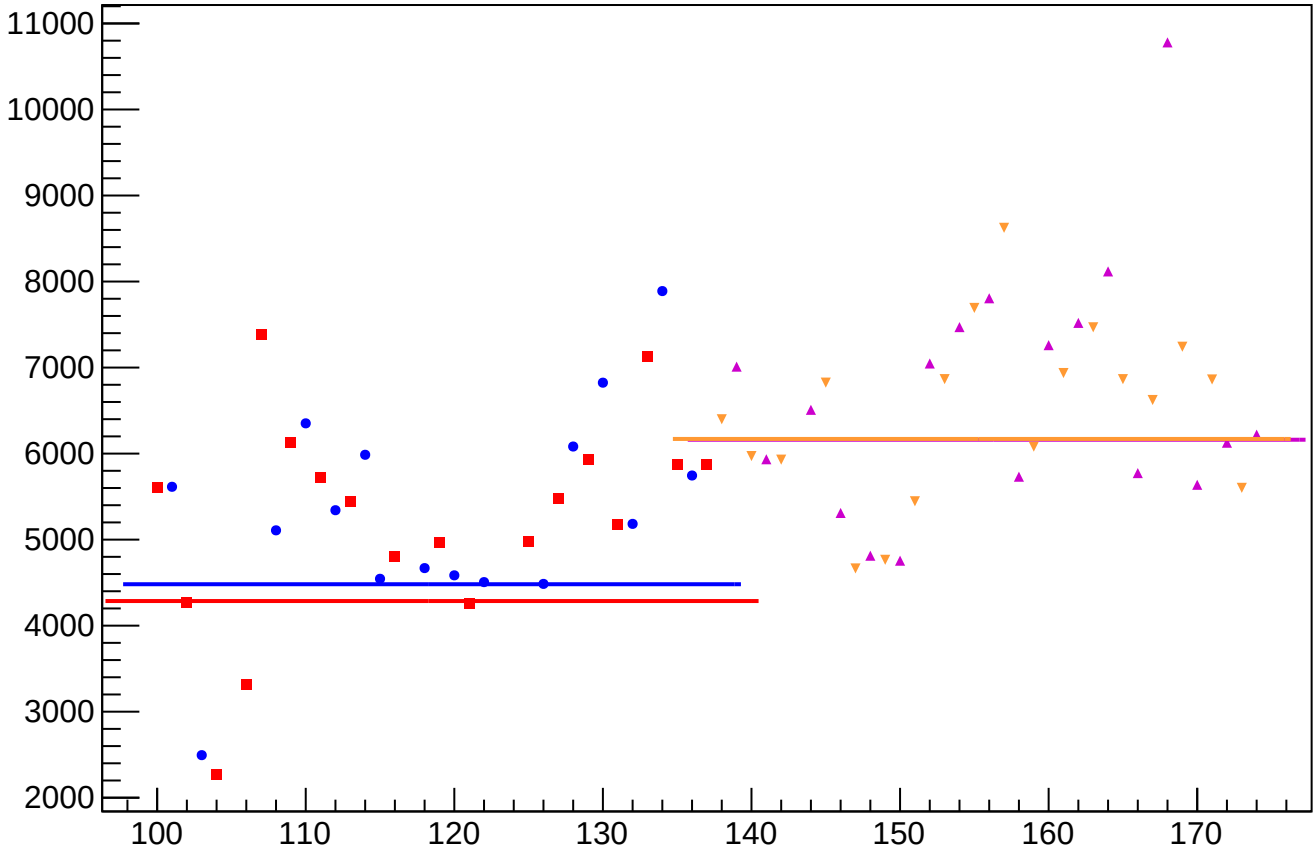
+ sign 1831.028+/-0.281 χ^2/NDF: 309791.8/33

All: 1829.568+/-0.197 χ^2/NDF: 428651.2/69

- 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: 272.346+/-1670.563 χ²/NDF:23.2/17
Right Out: 78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: -499.095+/-1630.870 χ²/NDF:11.3/17
+ sign -391.033+/-1210.957 χ²/NDF: 38.2/33
All: -304.576+/-844.269 χ²/NDF: 65.2/69
- 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: 6170.305+/-1.181 χ^2/NDF:734214.9/17

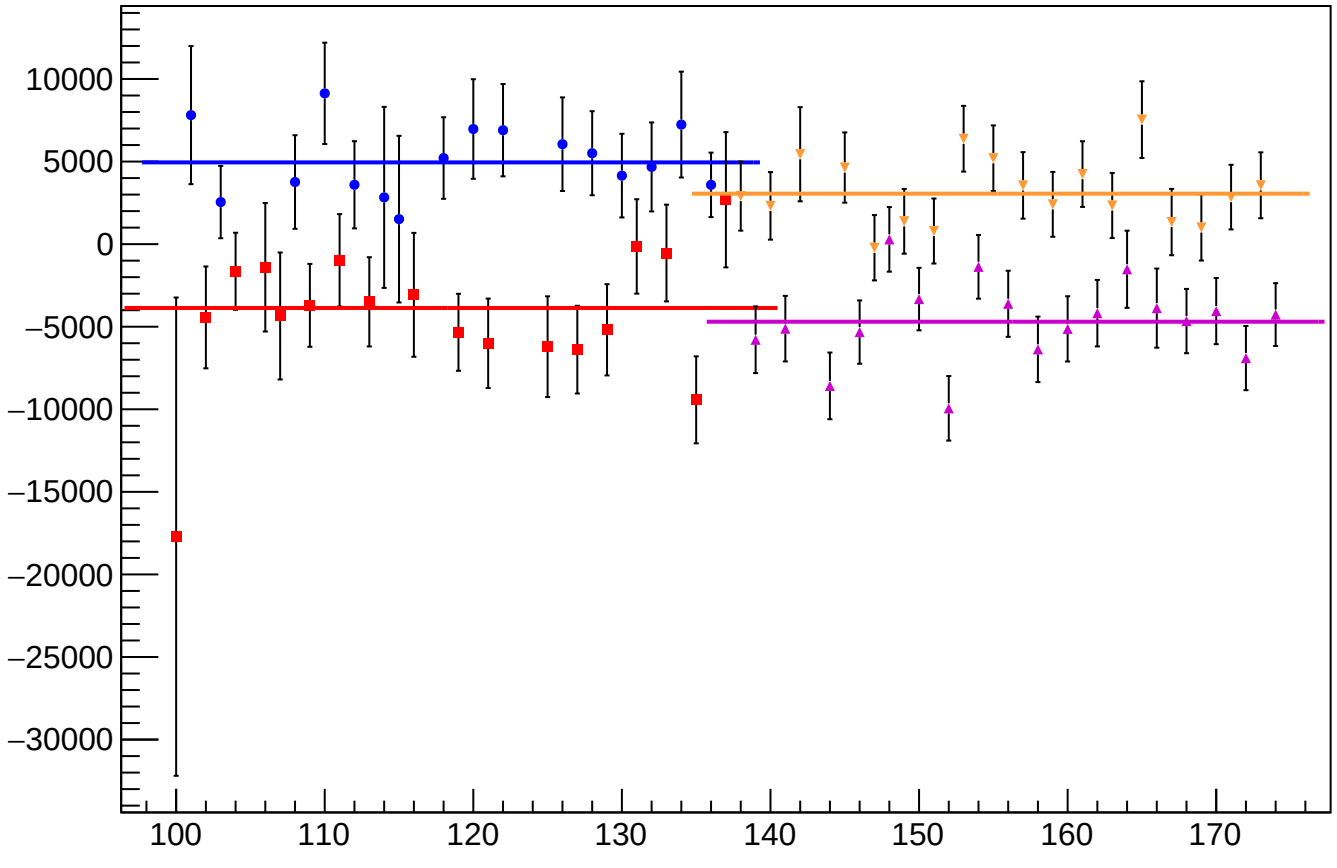
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6161.199+/-1.153 χ^2/NDF:1024256.5/17

+ sign 5368.892+/-0.856 χ^2/NDF: 3066388.0/33

All: 5314.937+/-0.597 χ^2/NDF: 6913378.8/69

- 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: 3055.814+/-482.136 χ^2/NDF:16.4/17

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

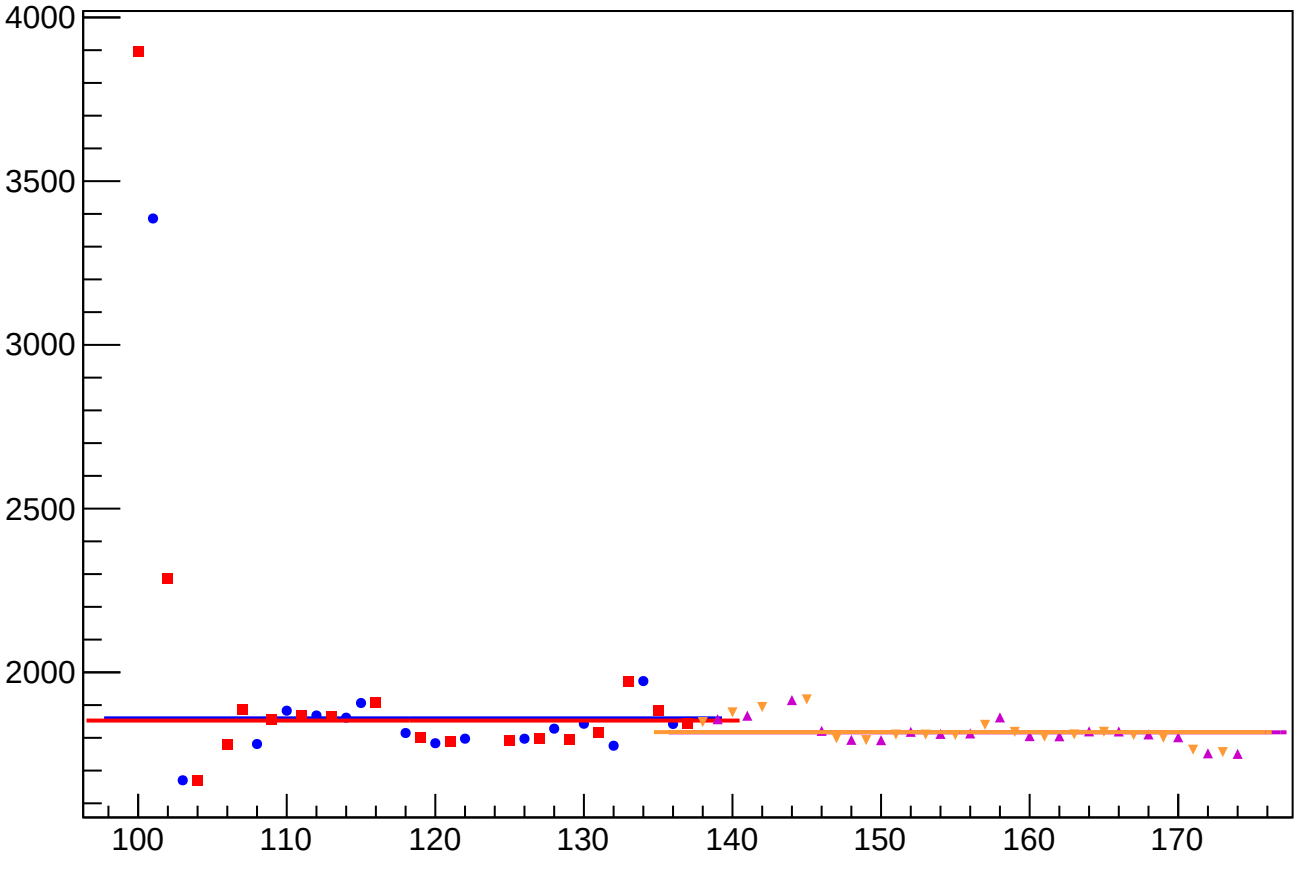
Left In: -4697.406+/-471.074 χ^2/NDF:25.9/17

+ sign 3666.486+/-396.871 χ^2/NDF: 28.2/33

All: -454.557+/-278.198 χ^2/NDF: 283.2/69

- 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: 1817.476+/-0.341 χ^2/NDF:12554.0/17

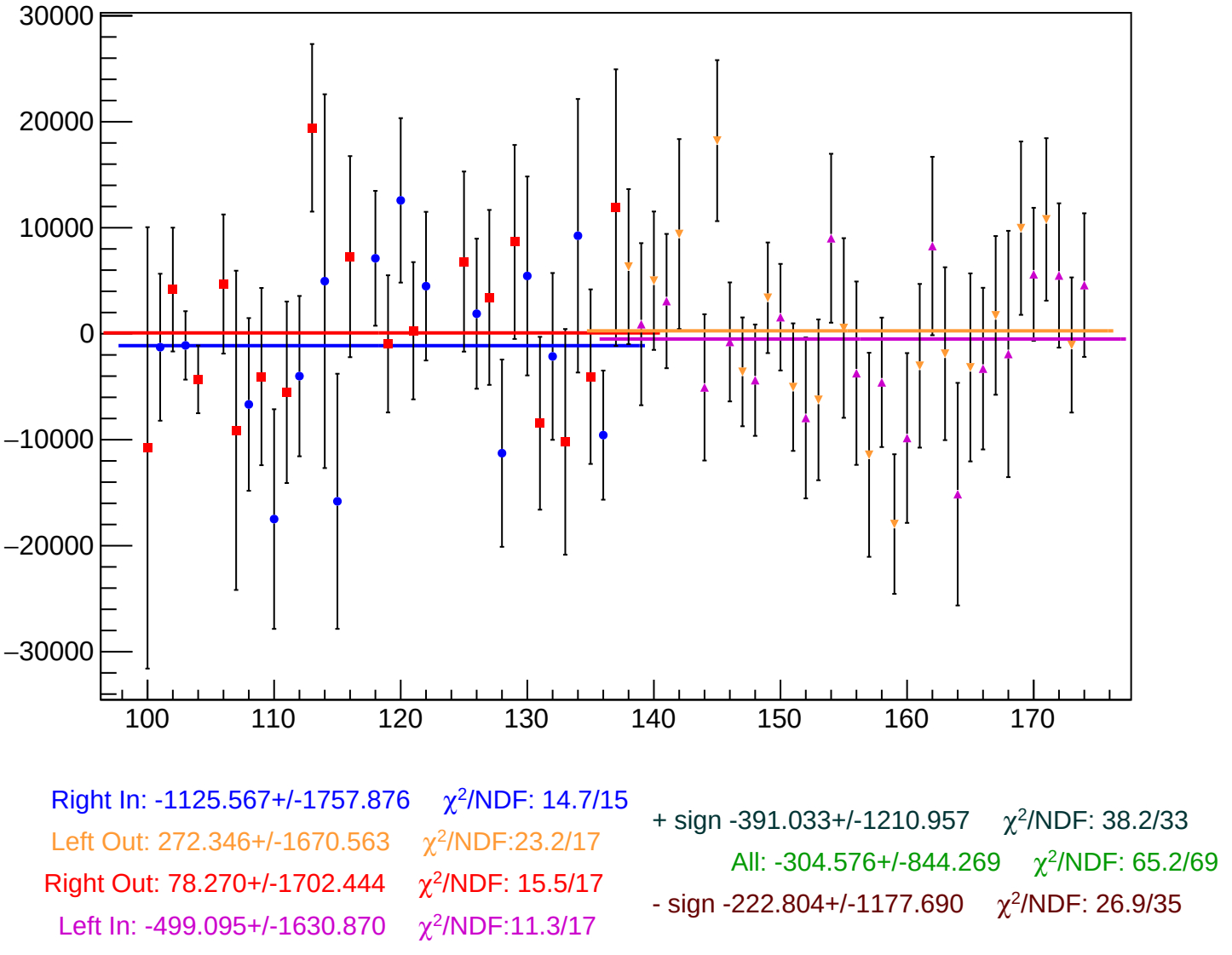
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

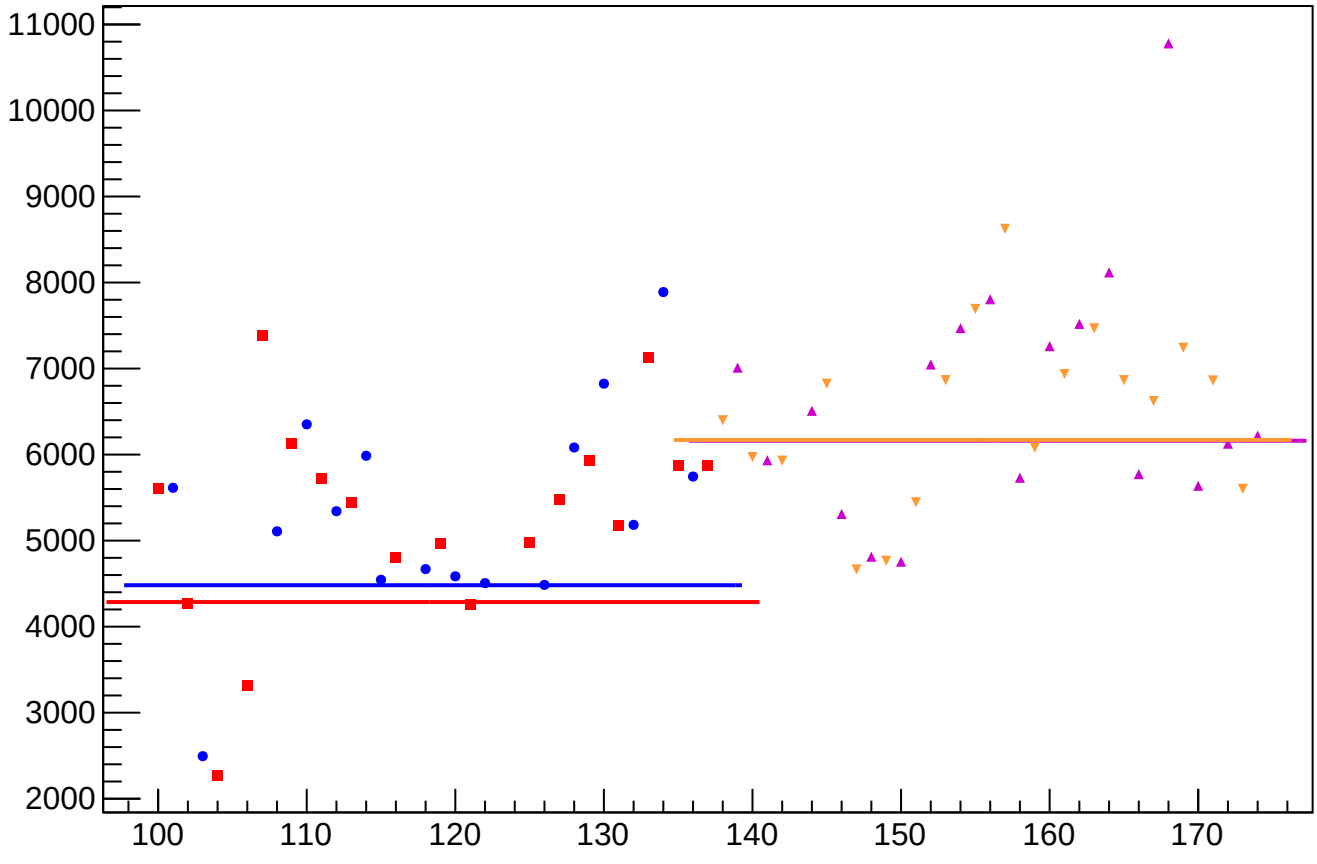
Left In: 1816.818+/-0.333 χ^2/NDF:13380.5/17

+ sign 1831.028+/-0.281 χ^2/NDF: 309791.8/33

All: 1829.568+/-0.197 χ^2/NDF: 428651.2/69

- 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: 272.346+/-1670.563 χ²/NDF:23.2/17
Right Out: 78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: -499.095+/-1630.870 χ²/NDF:11.3/17
+ sign -391.033+/-1210.957 χ²/NDF: 38.2/33
All: -304.576+/-844.269 χ²/NDF: 65.2/69
- sign -222.804+/-1177.690 χ²/NDF: 26.9/35



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6170.305+/-1.181 χ^2/NDF:734214.9/17

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

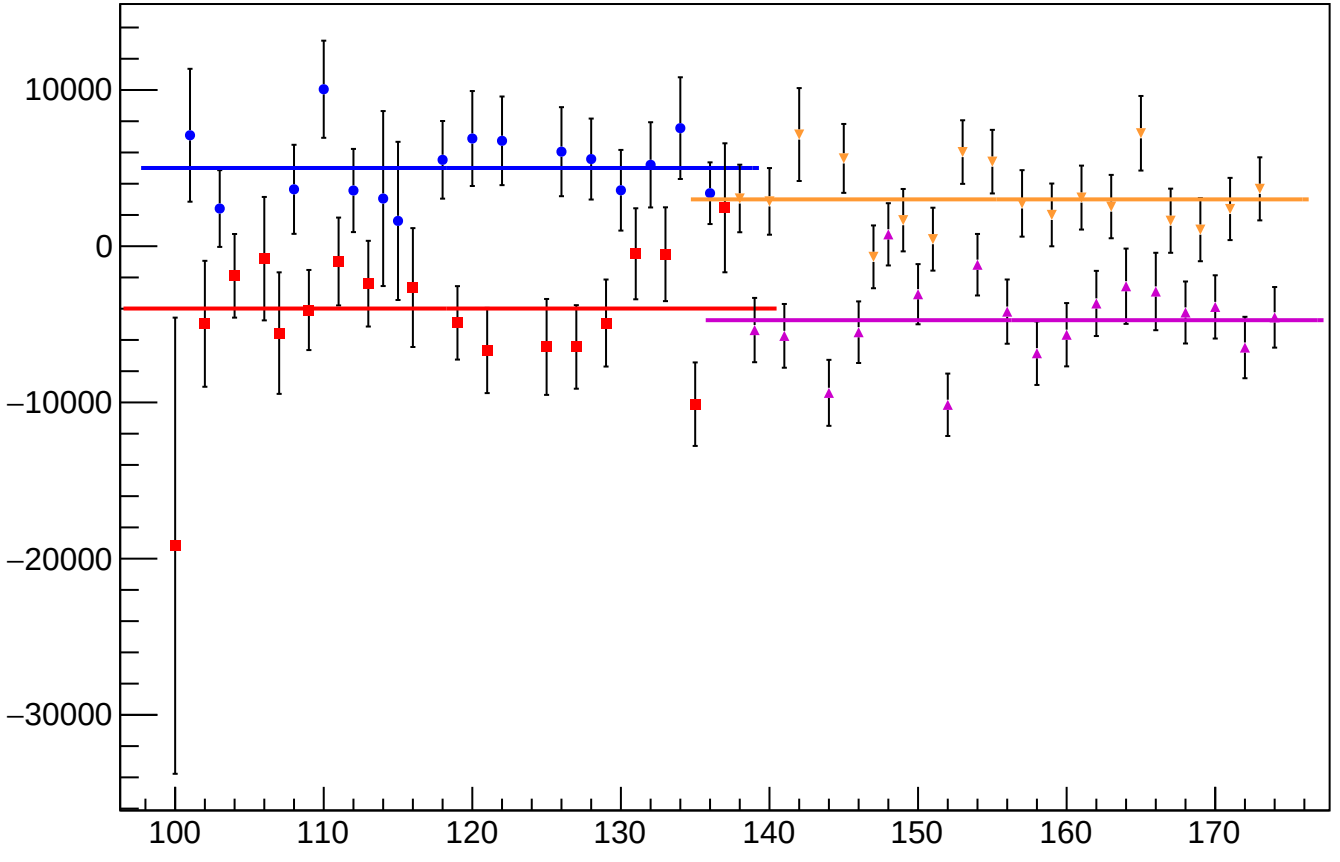
Left In: 6161.199+/-1.153 χ^2/NDF:1024256.5/17

+ sign 5368.892+/-0.856 χ^2/NDF: 3066388.0/33

All: 5314.937+/-0.597 χ^2/NDF: 6913378.8/69

- sign 5263.905+/-0.833 χ^2/NDF: 3839265.1/35

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2998.509+/-494.754 χ^2/NDF:17.4/17

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

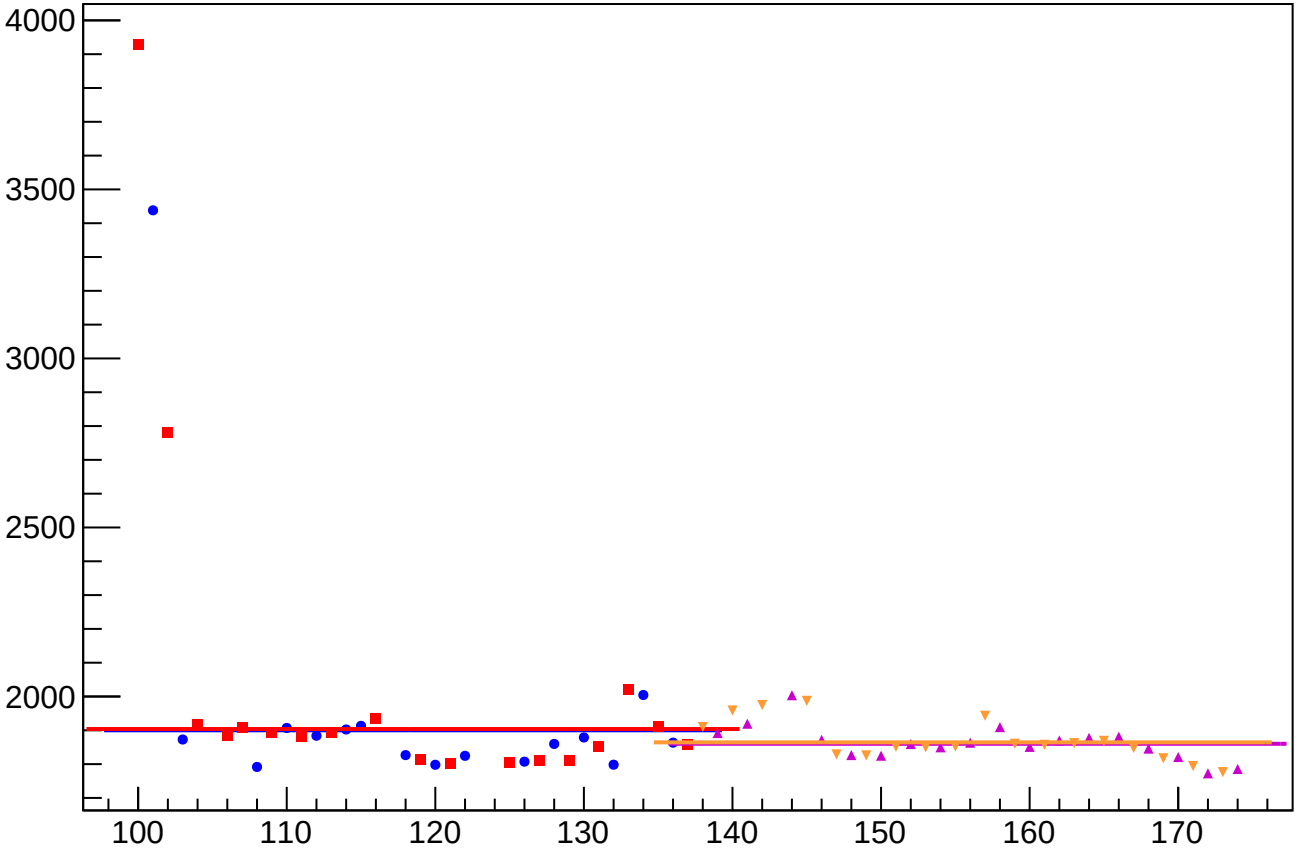
Left In: -4735.132+/-482.417 χ^2/NDF:28.3/17

+ sign 3650.081+/-406.675 χ^2/NDF: 30.4/33

All: -488.060+/-285.392 χ^2/NDF: 280.9/69

- 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: 1864.396+/-0.350 χ^2/NDF:25663.0/17

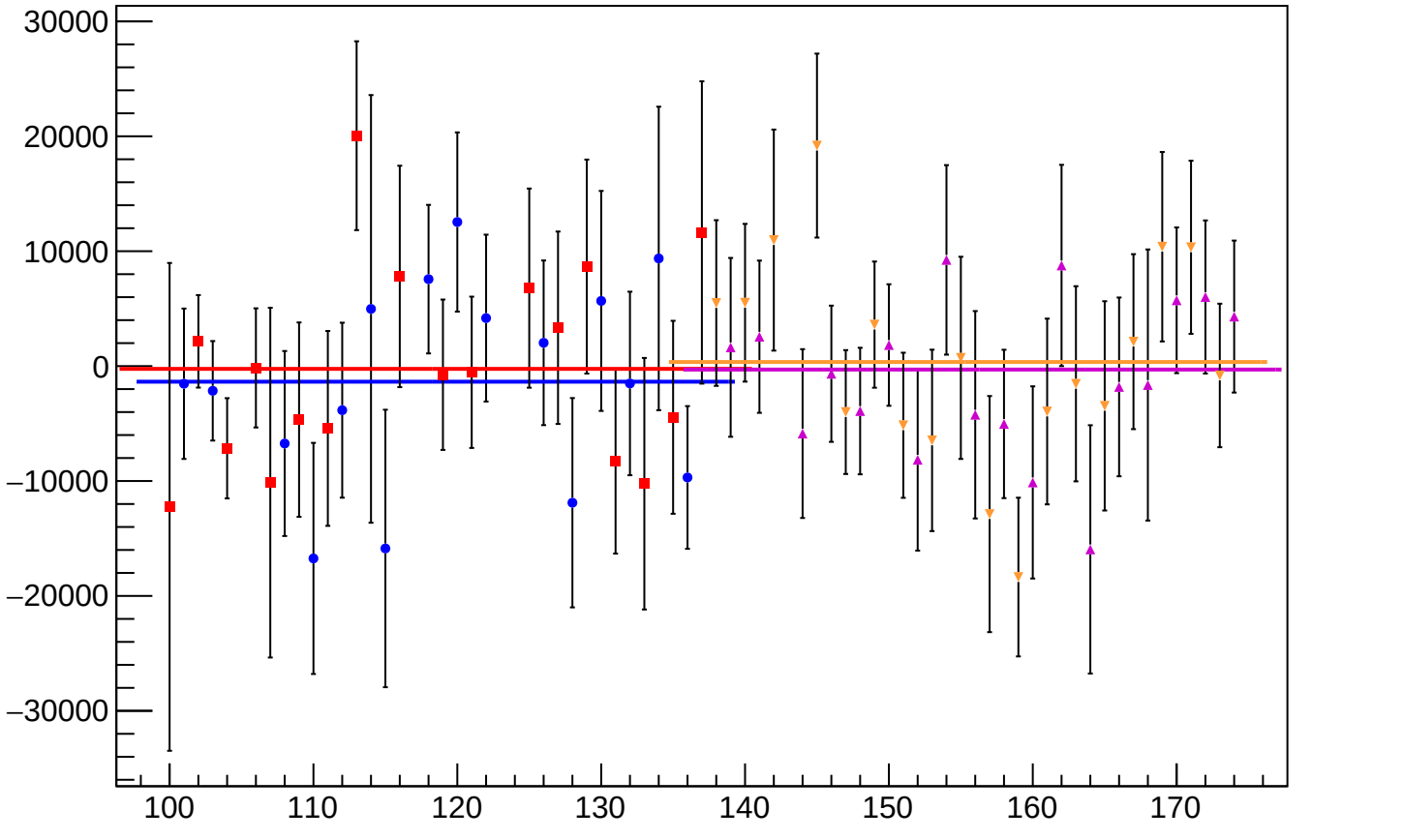
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1860.137+/-0.341 χ^2/NDF:22063.3/17

+ sign 1875.980+/-0.288 χ^2/NDF: 307491.8/33

All: 1874.833+/-0.202 χ^2/NDF: 484802.0/69

- 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: 356.846+/-1726.617 χ^2/NDF:23.2/17

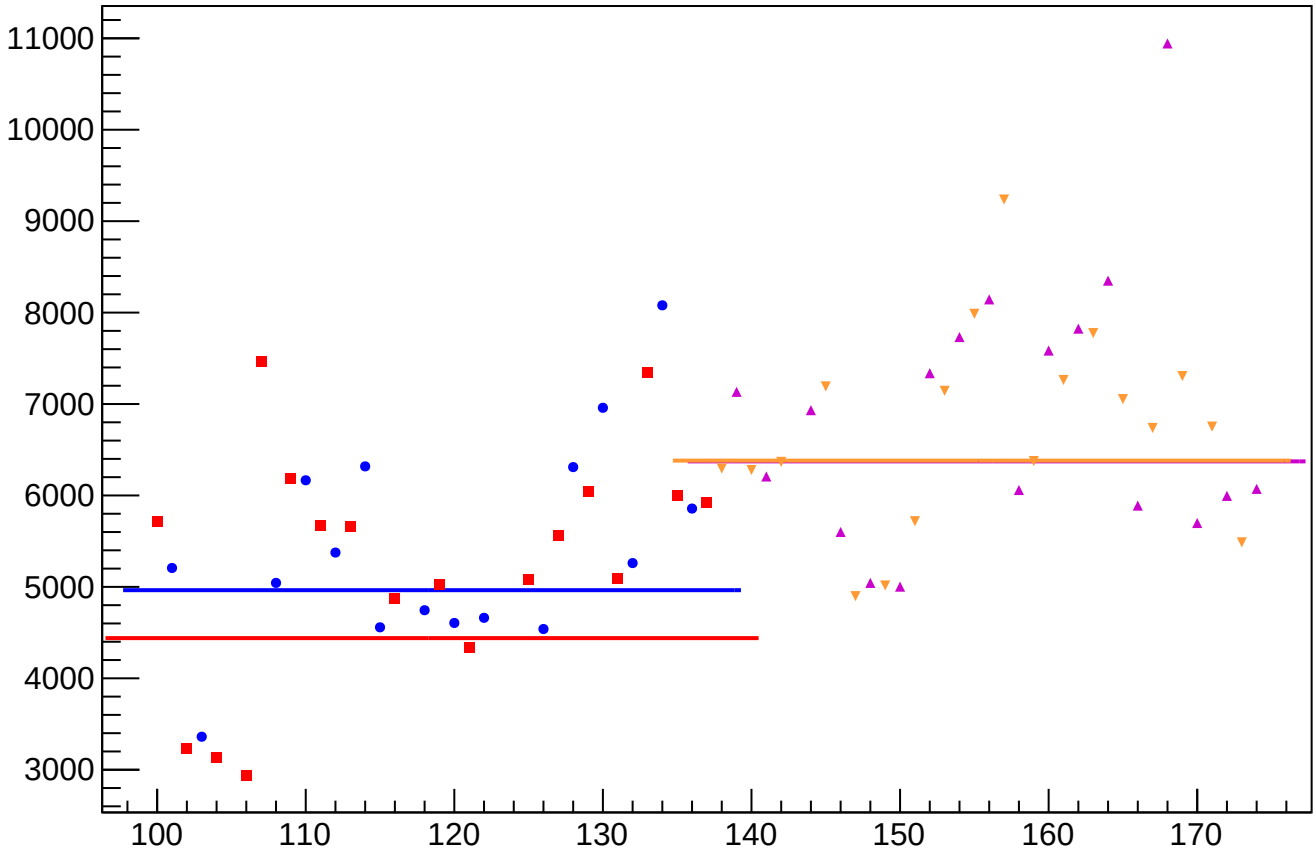
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -299.889+/-1685.693 χ^2/NDF:11.4/17

+ sign -419.947+/-1276.591 χ^2/NDF: 38.3/33

All: -340.951+/-874.890 χ^2/NDF: 65.4/69

- 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: 6381.202+/-1.221 χ^2/NDF:722362.3/17

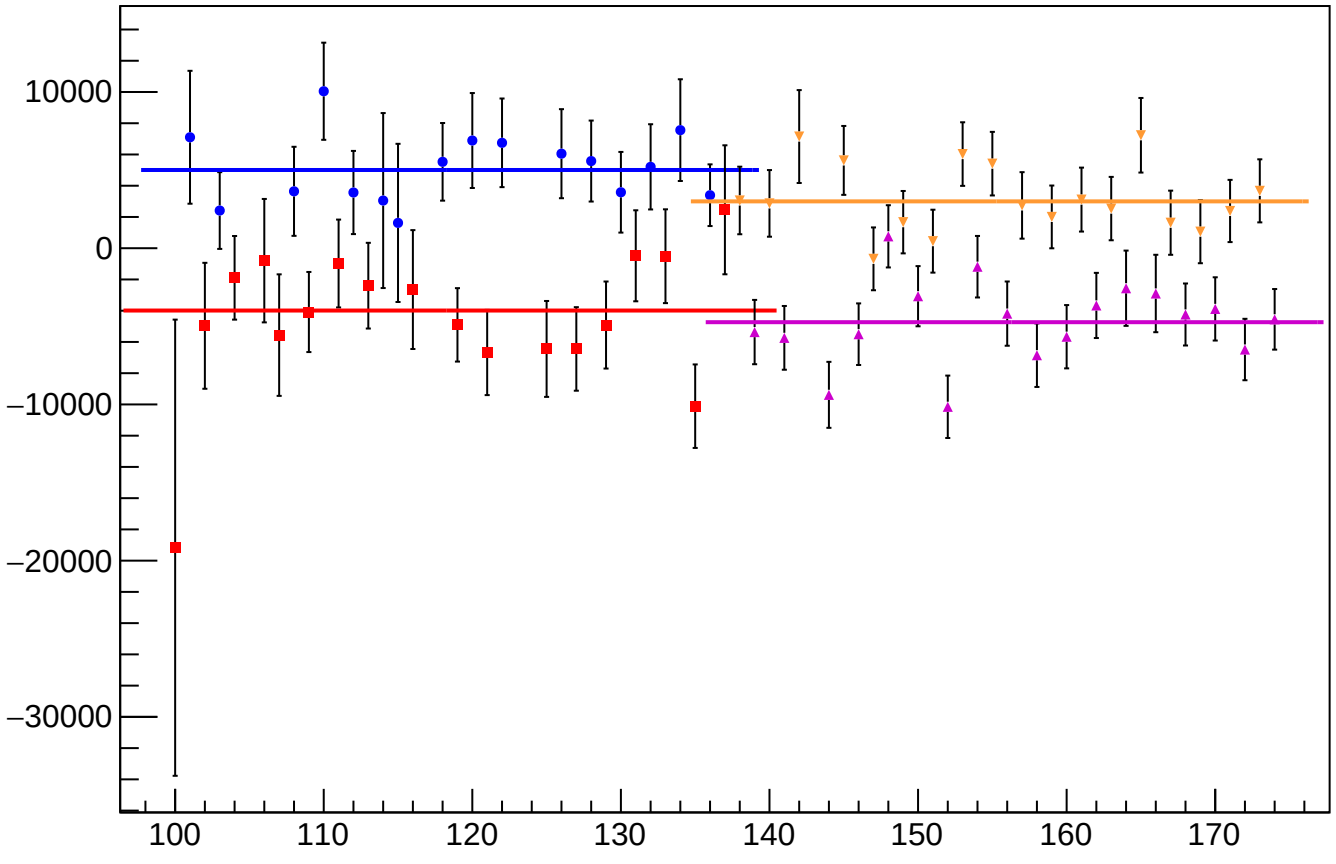
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6372.673+/-1.192 χ^2/NDF:987643.5/17

+ sign 5738.716+/-0.903 χ^2/NDF: 1960588.4/33

All: 5570.503+/-0.619 χ^2/NDF: 5466278.7/69

- 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: 2998.503+/-494.754 χ^2/NDF:17.4/17

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

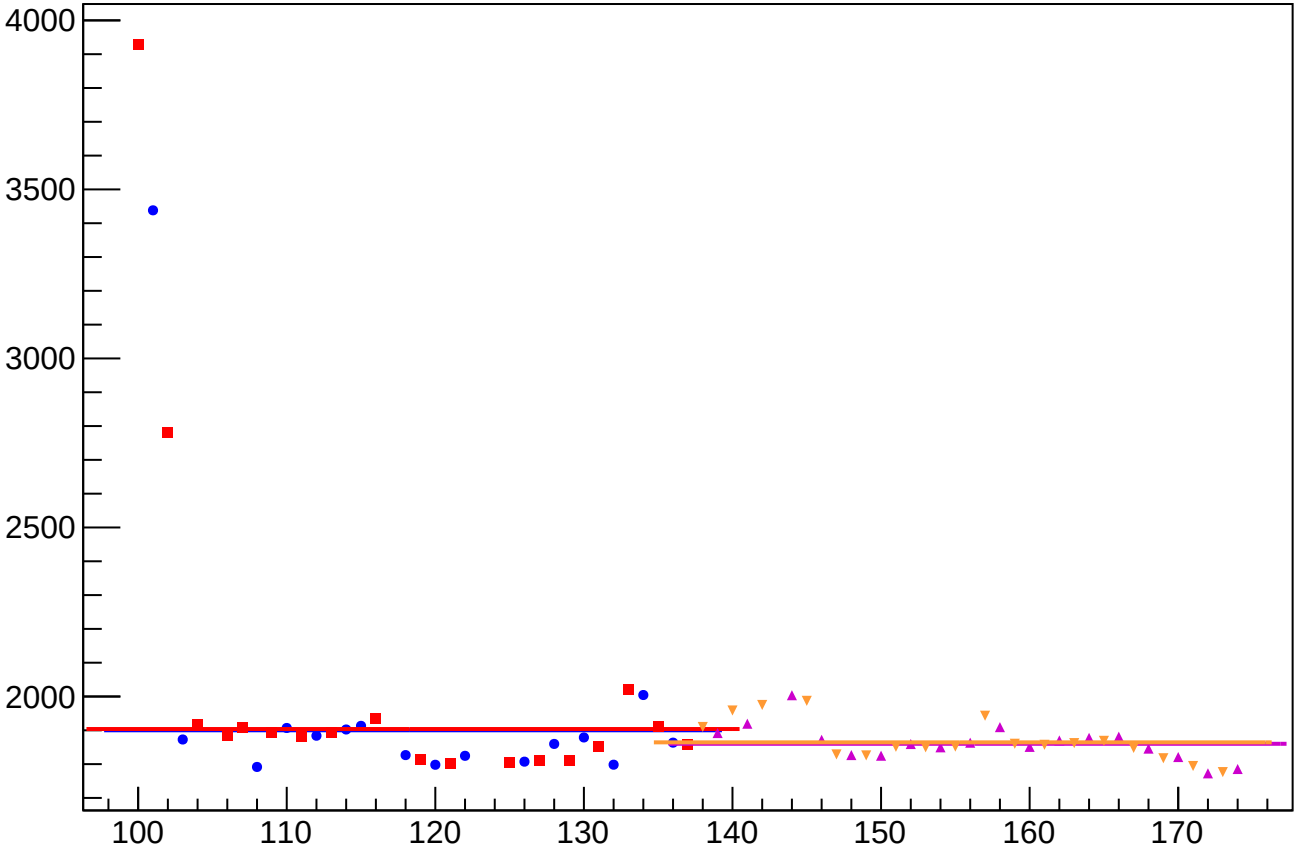
Left In: -4735.134+/-482.417 χ^2/NDF:28.3/17

+ sign 3650.077+/-406.675 χ^2/NDF: 30.4/33

All: -488.062+/-285.392 χ^2/NDF: 280.9/69

- 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: 1864.397+/-0.350 χ^2/NDF:25663.8/17

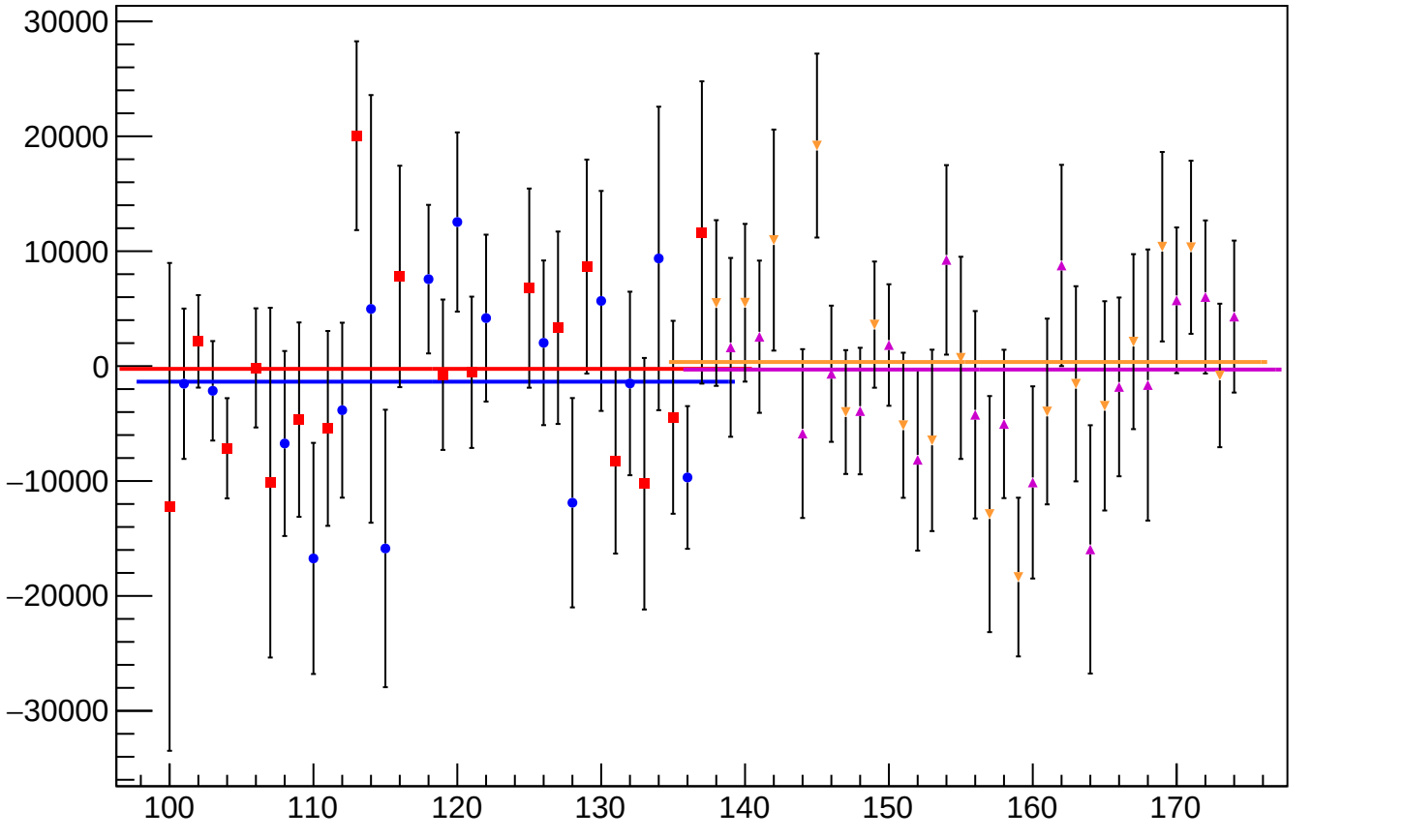
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1860.138+/-0.341 χ^2/NDF:22064.0/17

+ sign 1875.981+/-0.288 χ^2/NDF: 307492.5/33

All: 1874.833+/-0.202 χ^2/NDF: 484802.3/69

- sign 1873.720+/-0.283 χ^2/NDF: 177278.4/35



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 356.840+/-1726.619 χ^2/NDF:23.2/17

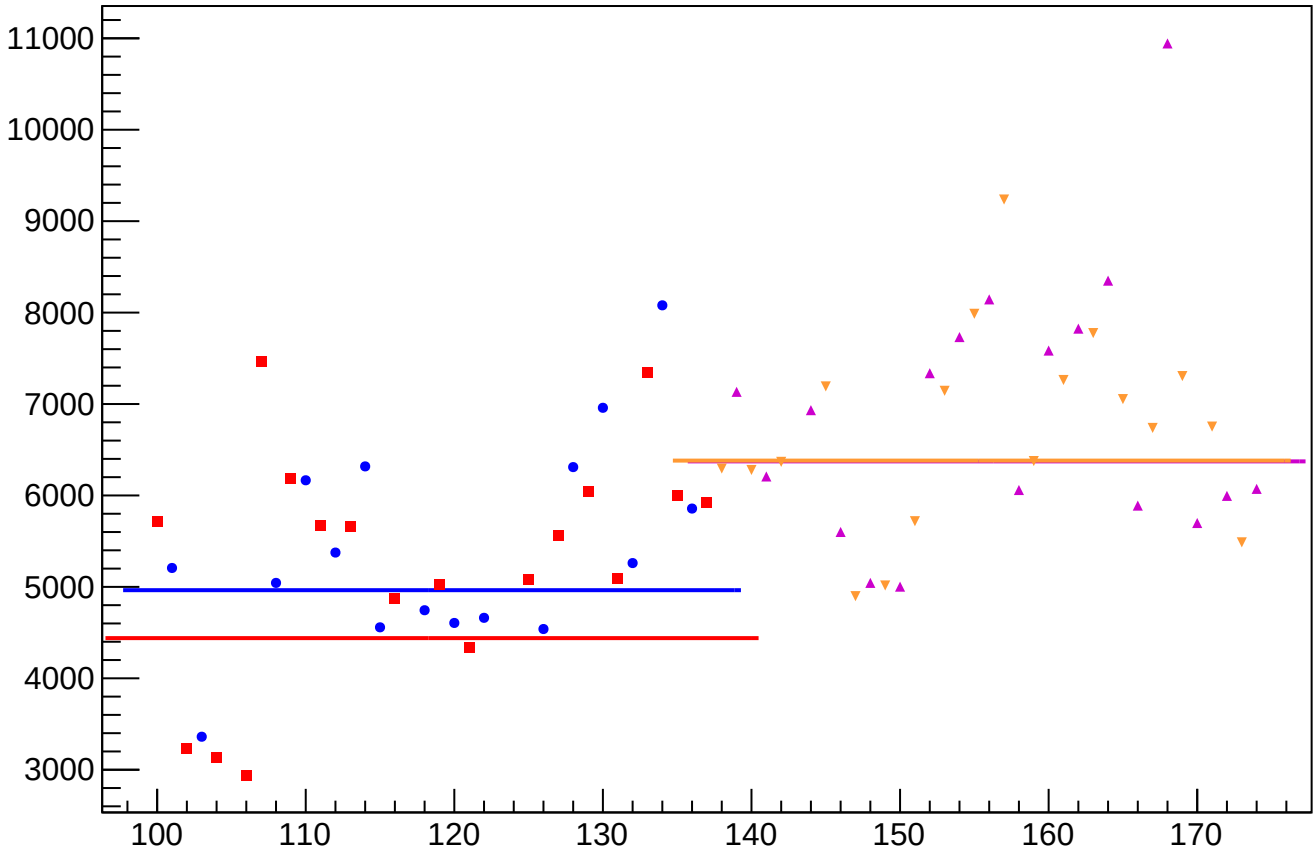
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -299.889+/-1685.696 χ^2/NDF:11.4/17

+ sign -419.949+/-1276.590 χ^2/NDF: 38.3/33

All: -340.952+/-874.890 χ^2/NDF: 65.4/69

- 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: 6381.212+/-1.221 χ^2/NDF:722363.8/17

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

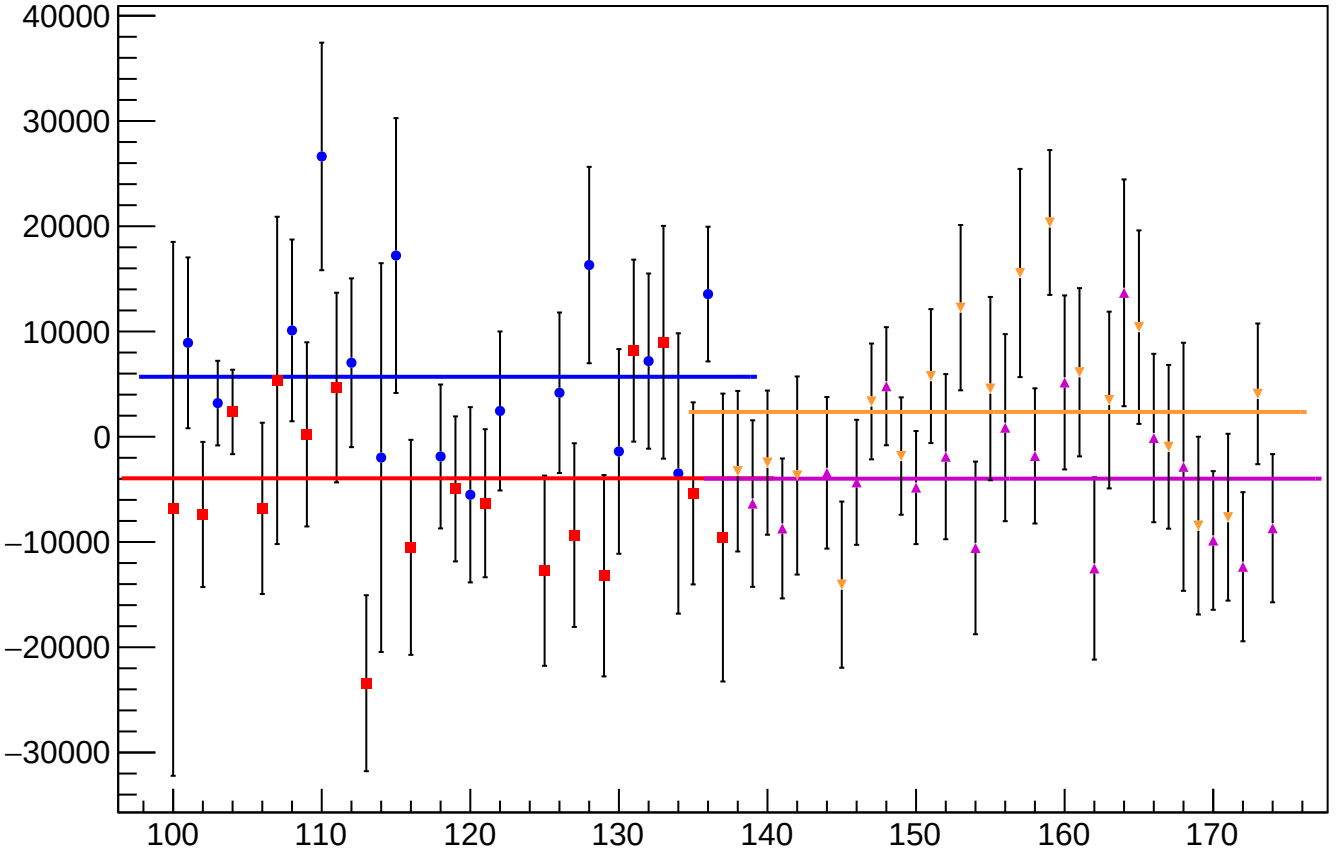
Left In: 6372.683+/-1.192 χ^2/NDF:987645.1/17

+ sign 5738.713+/-0.903 χ^2/NDF: 1960613.3/33

All: 5570.499+/-0.619 χ^2/NDF: 5466335.3/69

- 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: 2356.813+/-1748.780 χ^2/NDF:21.4/17

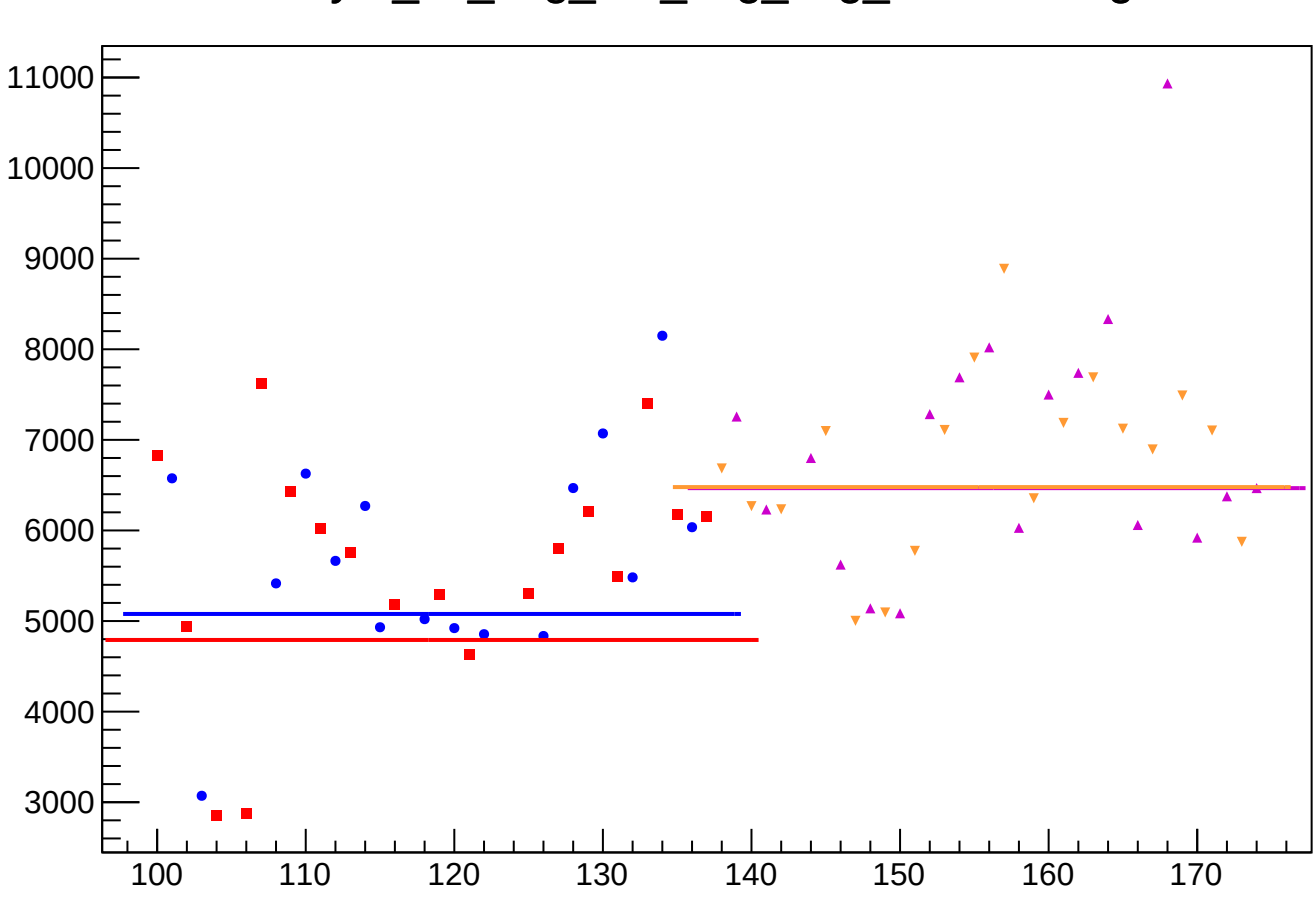
Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: -3984.335+/-1707.009 χ^2/NDF:12.0/17

+ sign 3838.051+/-1304.652 χ^2/NDF: 35.7/33

All: -152.429+/-912.190 χ^2/NDF: 82.1/69

- sign -3968.915+/-1275.892 χ^2/NDF: 28.1/35



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6478.663+/-1.237 χ^2/NDF:625024.9/17

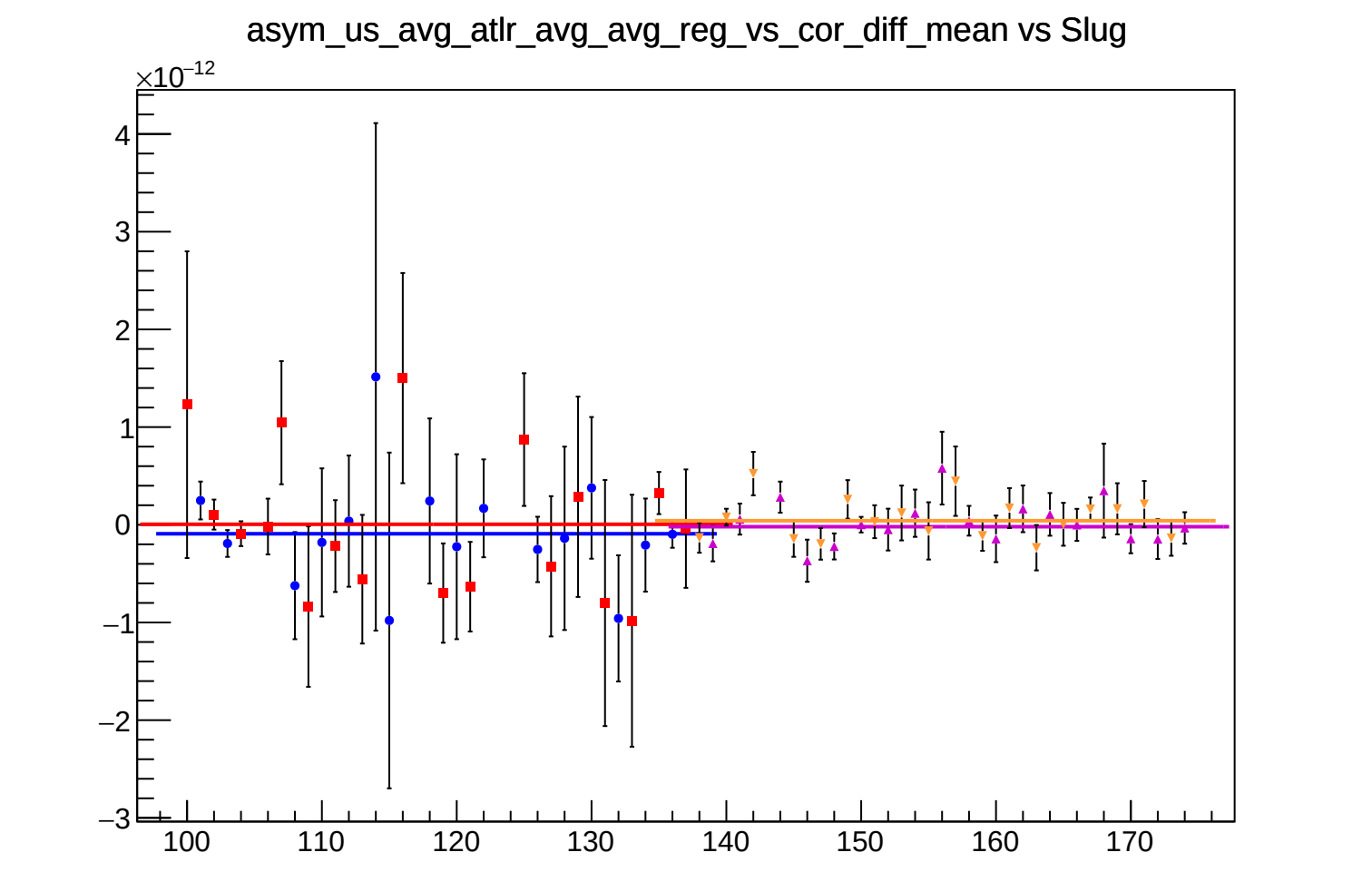
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6467.056+/-1.207 χ^2/NDF:888898.7/17

+ sign 5857.624+/-0.923 χ^2/NDF: 2113039.4/33

All: 5781.797+/-0.642 χ^2/NDF: 5047660.9/69

- 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:17.6/17

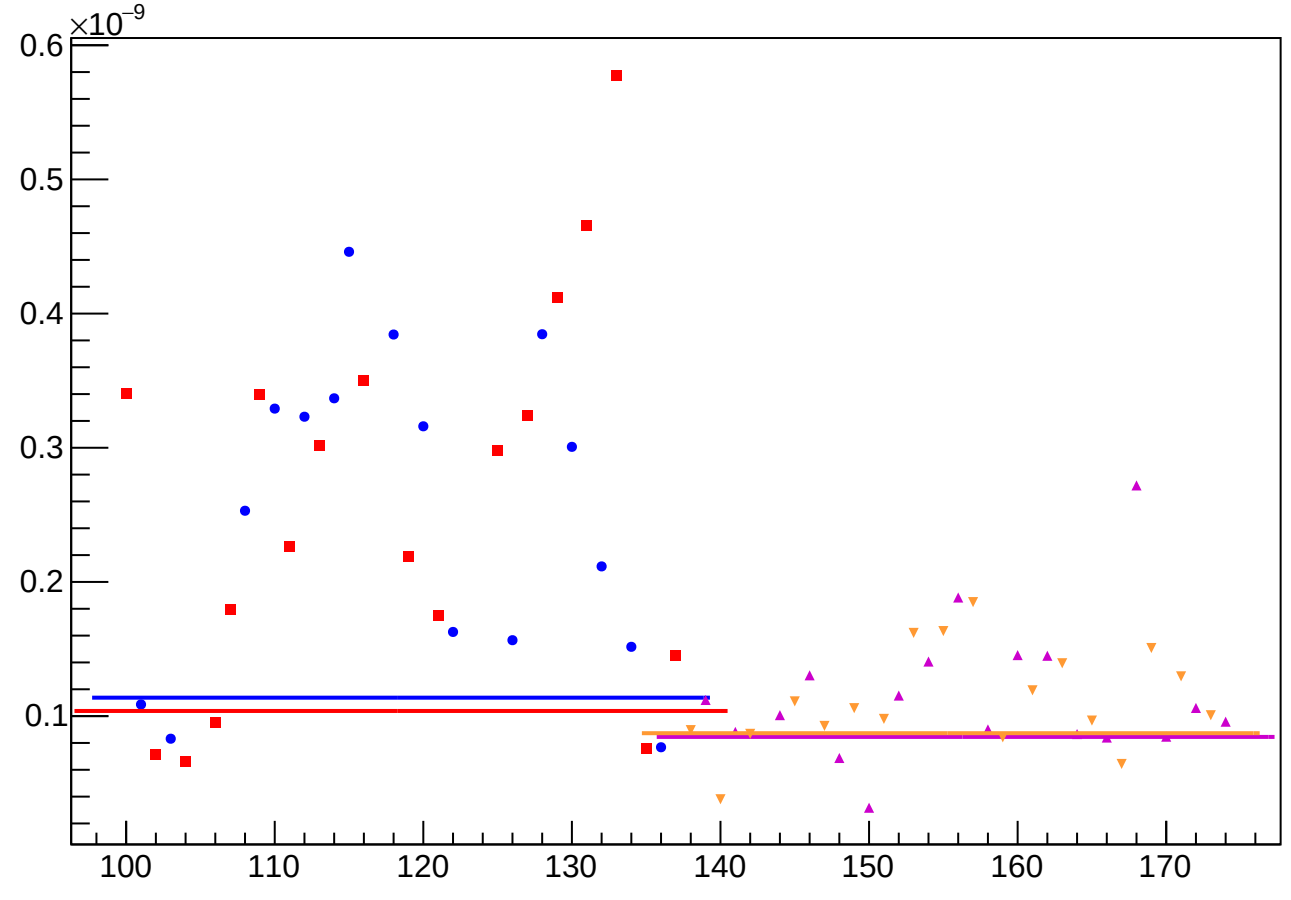
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:15.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 28.1/33

All: -0.000+/-0.000 χ^2/NDF: 61.5/69

- 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:1570301.4/17

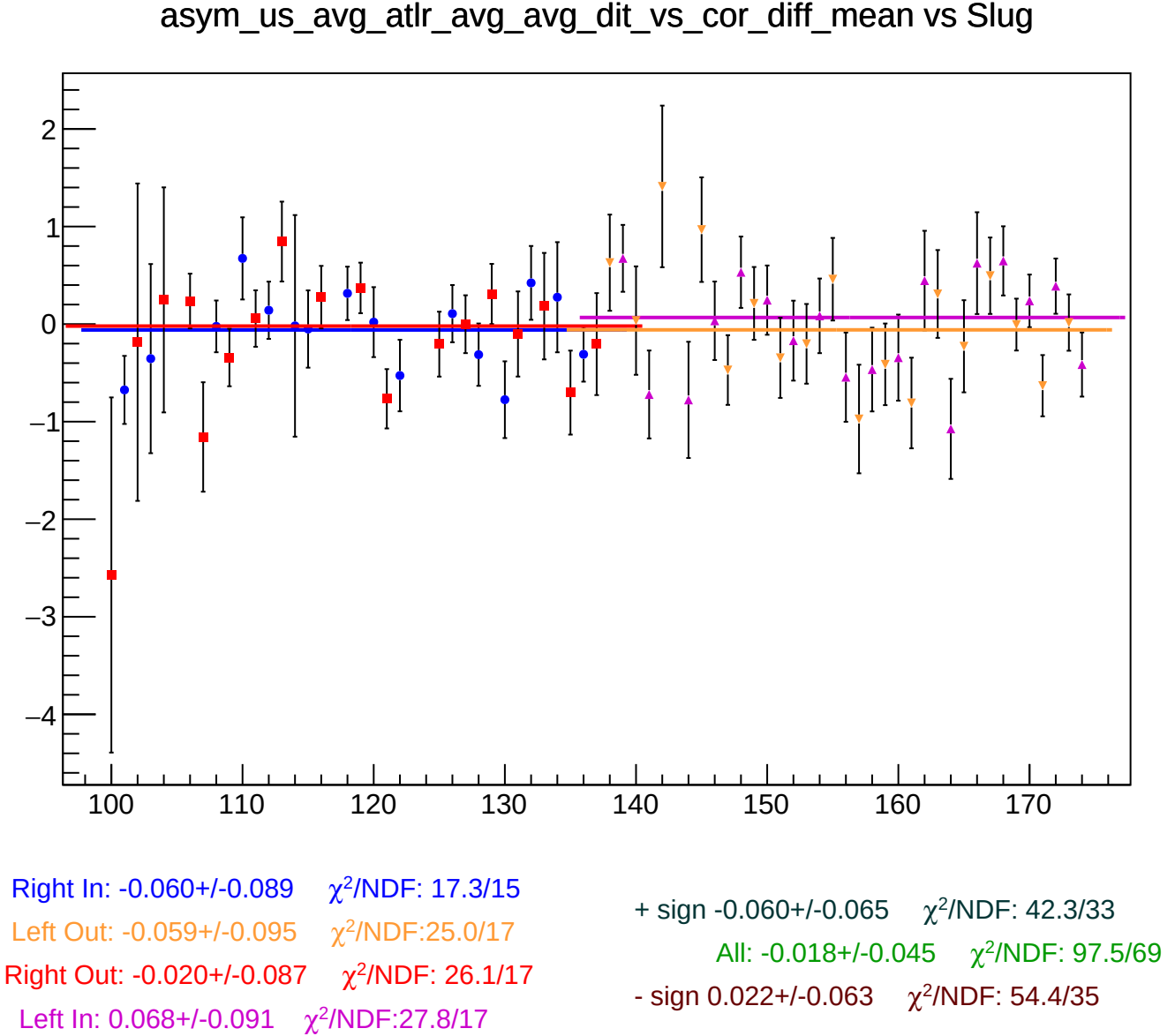
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

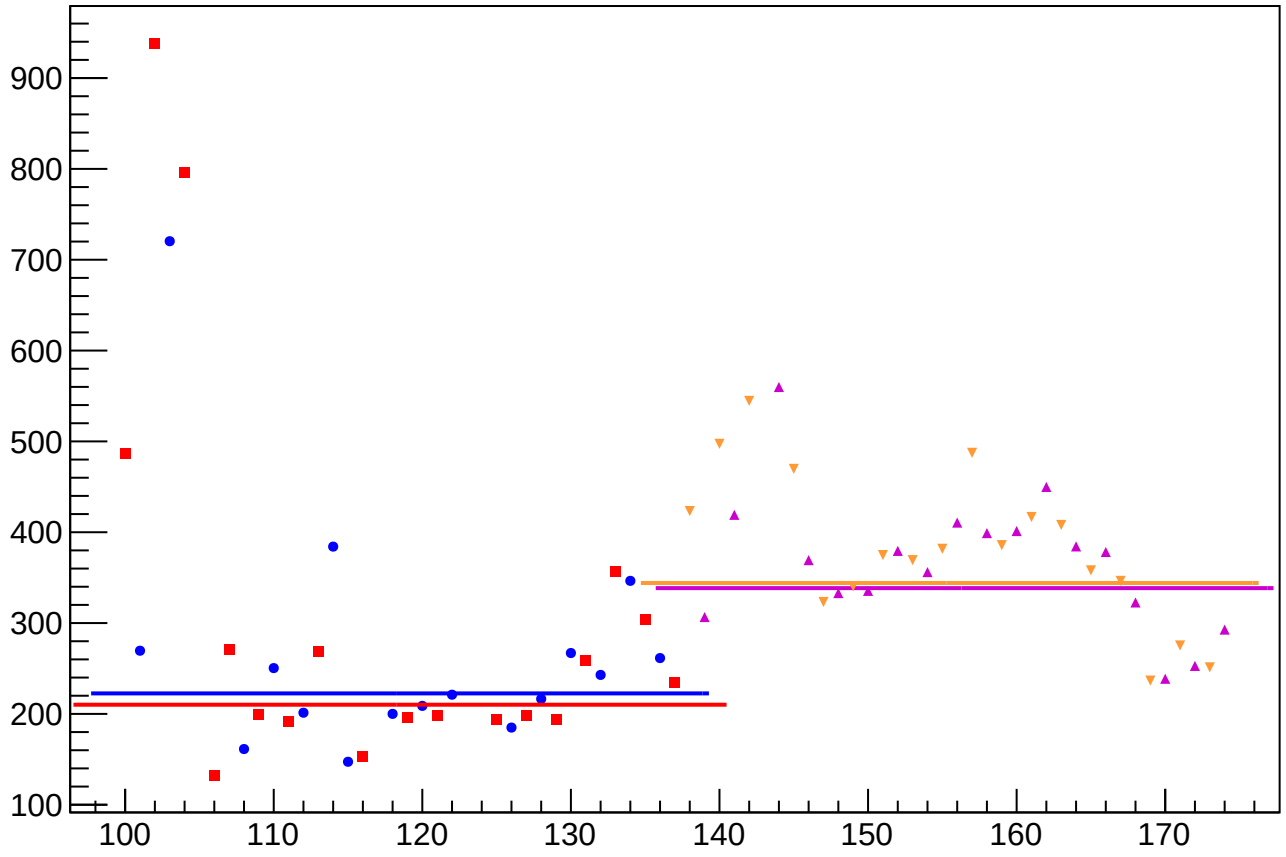
Left In: 0.000+/-0.000 χ^2/NDF:1961294.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 3276601.8/33

All: 0.000+/-0.000 χ^2/NDF: 7440584.3/69

- sign 0.000+/-0.000 χ^2/NDF: 4148311.0/35


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.059+/-0.095 χ²/NDF:25.0/17
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.068+/-0.091 χ²/NDF:27.8/17
+ sign -0.060+/-0.065 χ²/NDF: 42.3/33
All: -0.018+/-0.045 χ²/NDF: 97.5/69
- sign 0.022+/-0.063 χ²/NDF: 54.4/35



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 344.133+/-0.067 χ^2/NDF:1345680.6/17

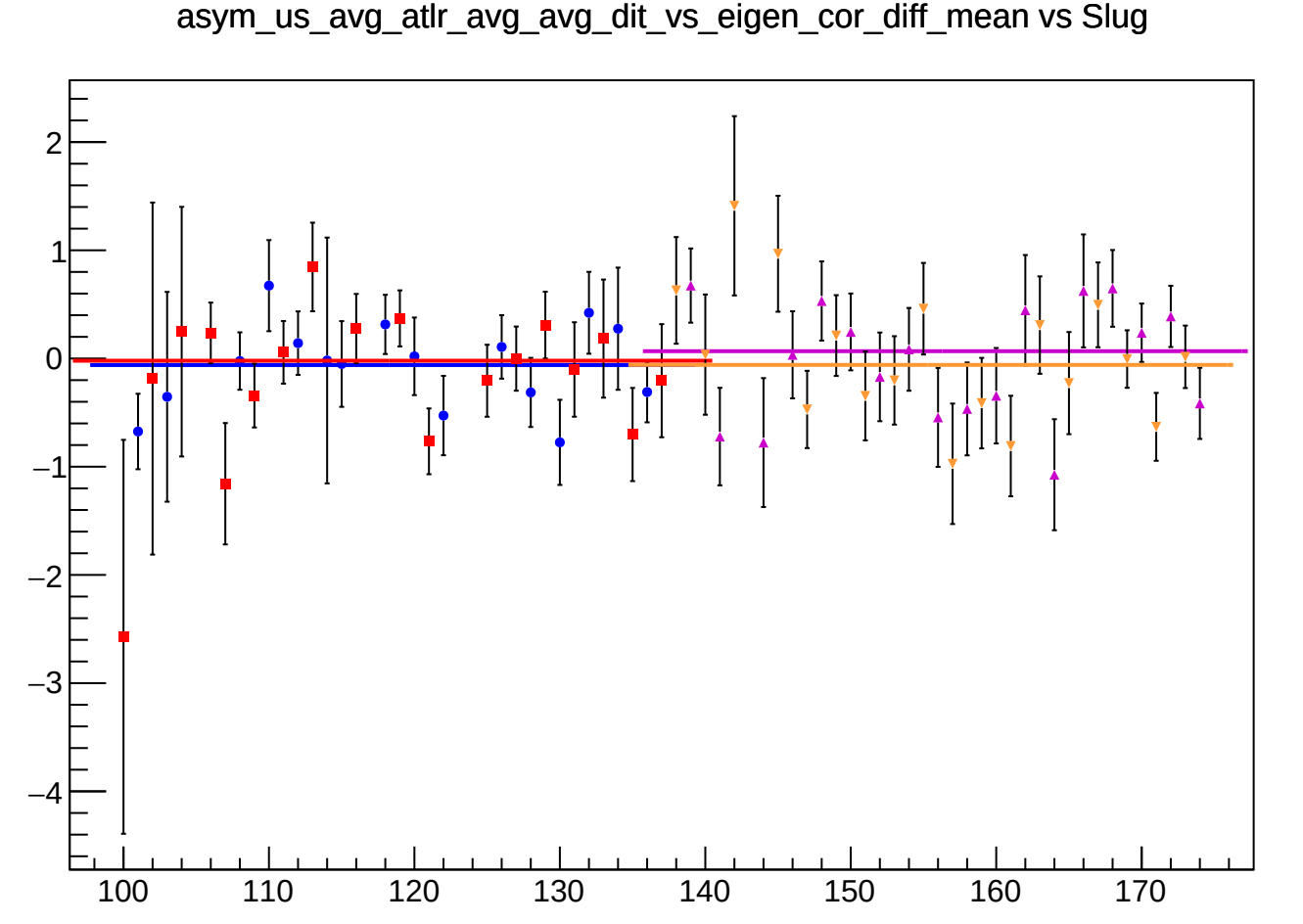
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 338.465+/-0.064 χ^2/NDF:1146421.8/17

+ sign 279.110+/-0.046 χ^2/NDF: 4113363.0/33

All: 275.307+/-0.032 χ^2/NDF: 8889812.2/69

- 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: -0.059+/-0.095 χ^2/NDF:25.0/17

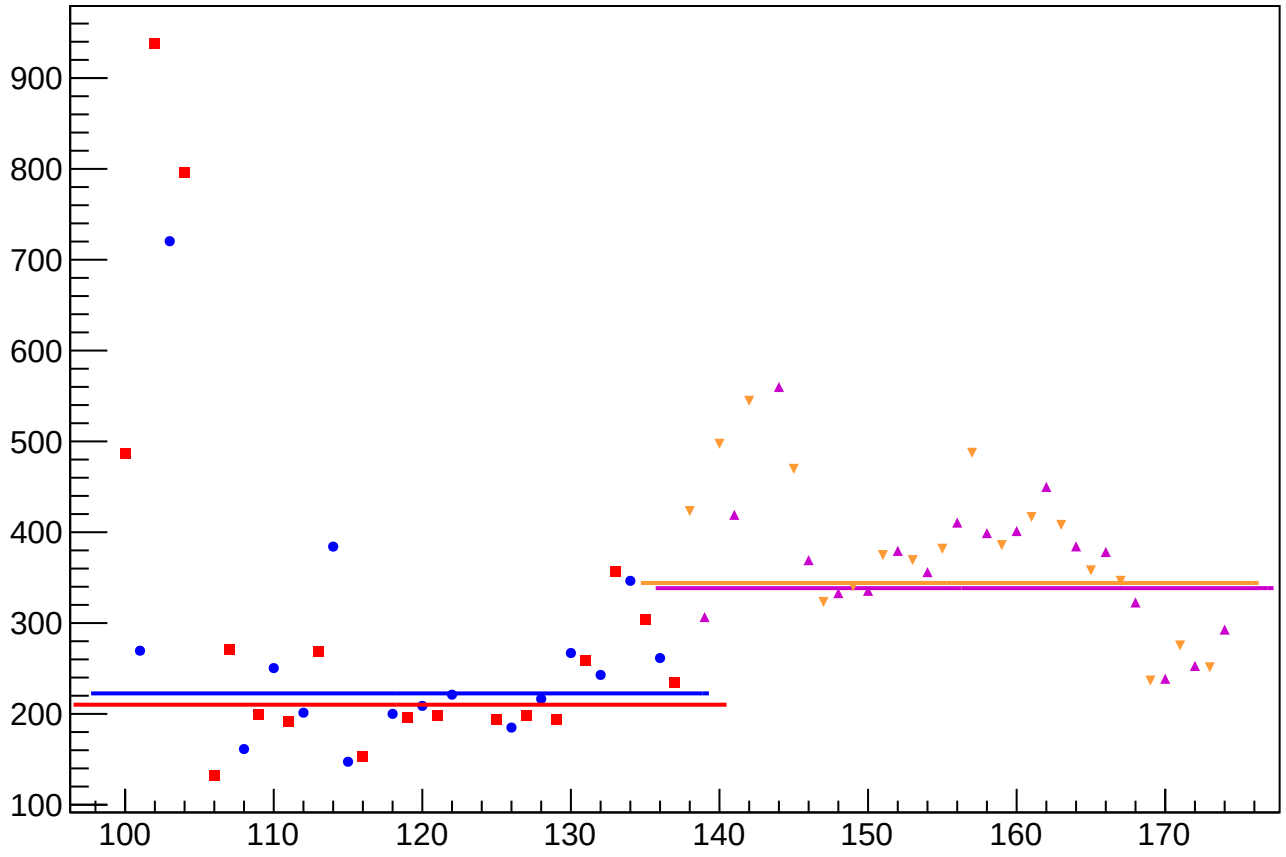
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.068+/-0.091 χ^2/NDF:27.8/17

+ sign -0.060+/-0.065 χ^2/NDF: 42.3/33

All: -0.018+/-0.045 χ^2/NDF: 97.5/69

- 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: 344.133+/-0.067 χ^2/NDF:1345680.6/17

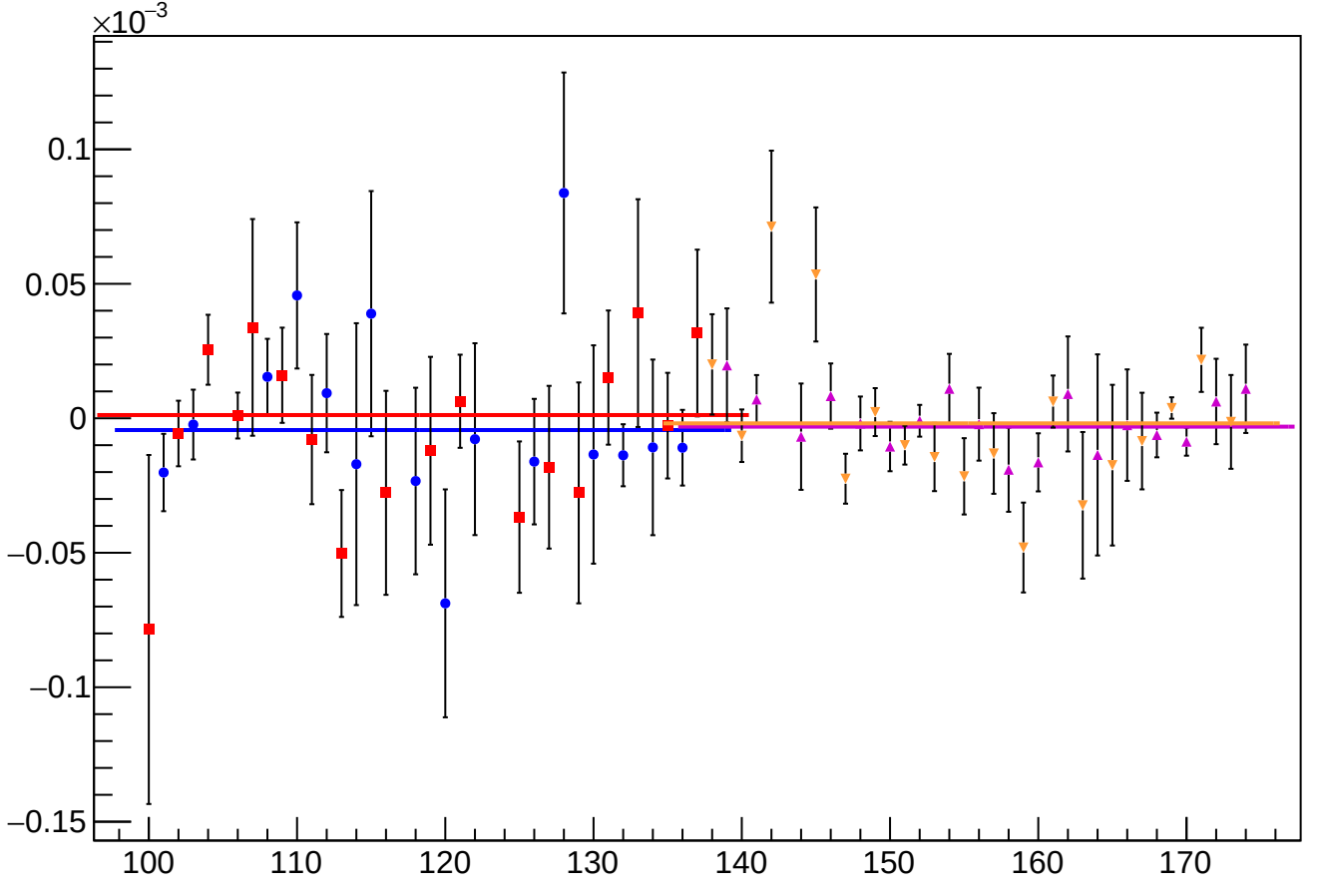
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 338.465+/-0.064 χ^2/NDF:1146421.8/17

+ sign 279.110+/-0.046 χ^2/NDF: 4113363.0/33

All: 275.307+/-0.032 χ^2/NDF: 8889812.2/69

- 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:39.1/17

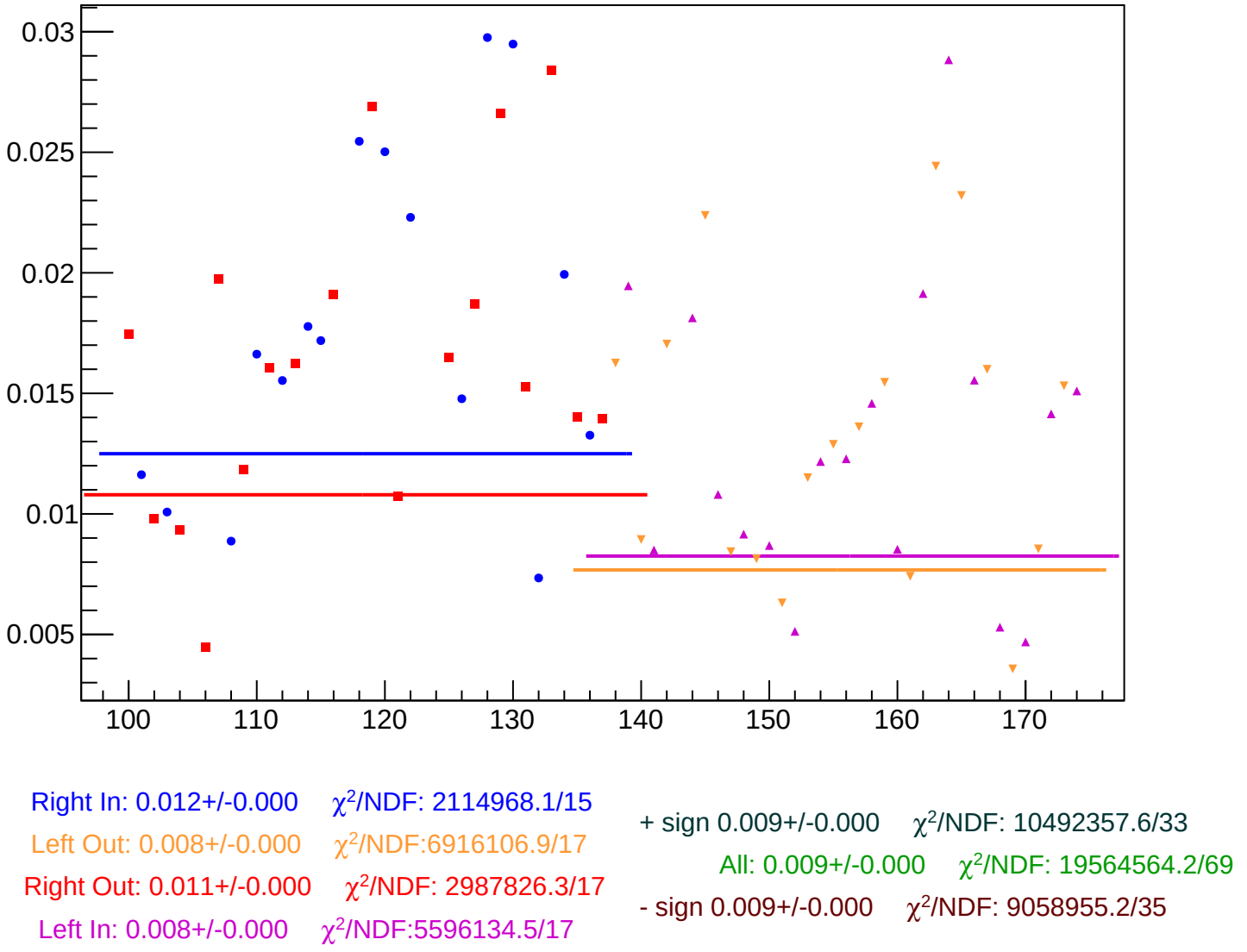
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

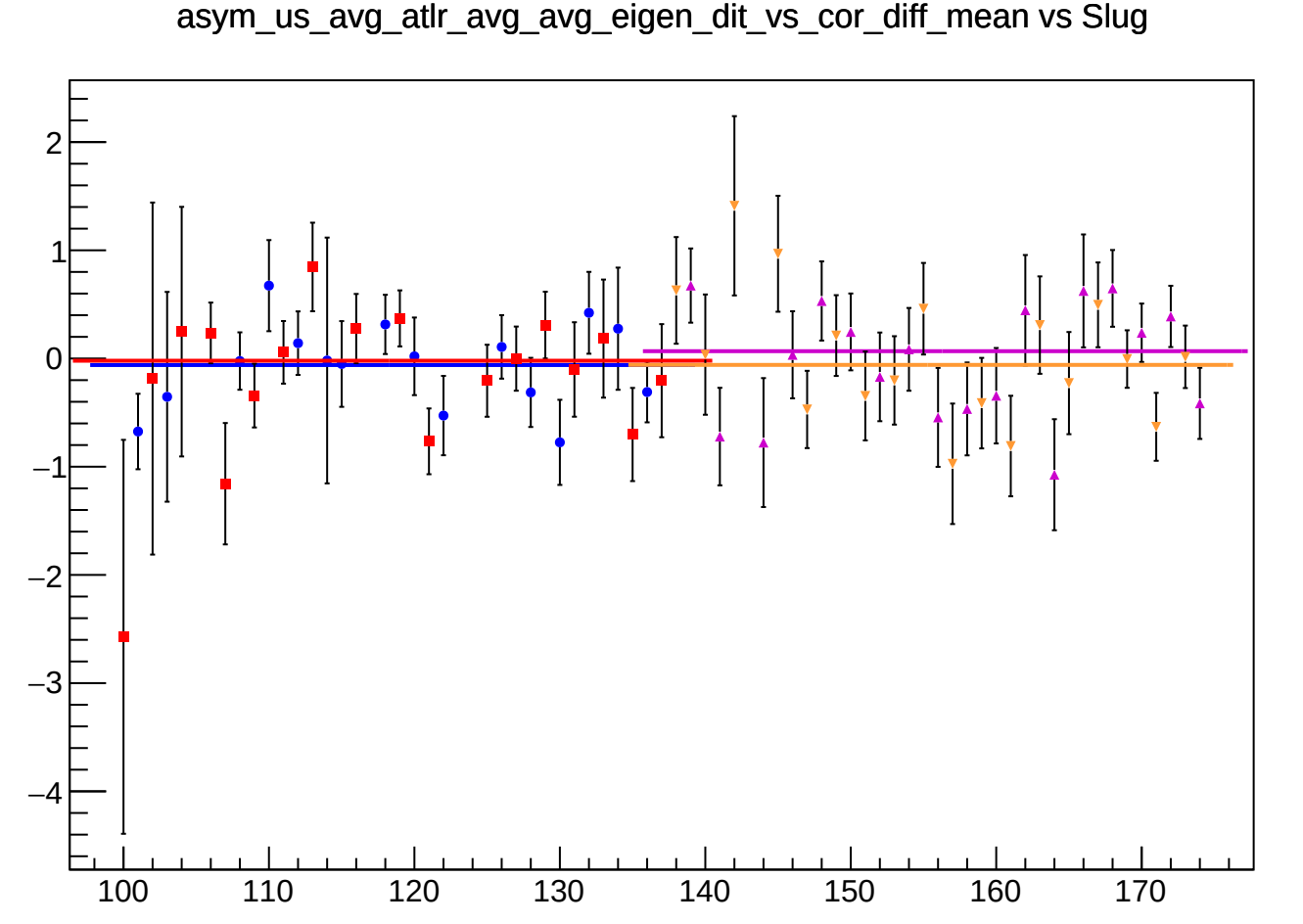
Left In: -0.000+/-0.000 χ^2/NDF:10.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 54.9/33

All: -0.000+/-0.000 χ^2/NDF: 83.5/69

- sign -0.000+/-0.000 χ^2/NDF: 28.5/35


asym_us_avg_atlr_avg_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: 0.012+/-0.000 χ²/NDF: 2114968.1/15
Left Out: 0.008+/-0.000 χ²/NDF:6916106.9/17
Right Out: 0.011+/-0.000 χ²/NDF: 2987826.3/17
Left In: 0.008+/-0.000 χ²/NDF:5596134.5/17
+ sign 0.009+/-0.000 χ²/NDF: 10492357.6/33
All: 0.009+/-0.000 χ²/NDF: 19564564.2/69
- sign 0.009+/-0.000 χ²/NDF: 9058955.2/35



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.059+/-0.095 χ^2/NDF:25.0/17

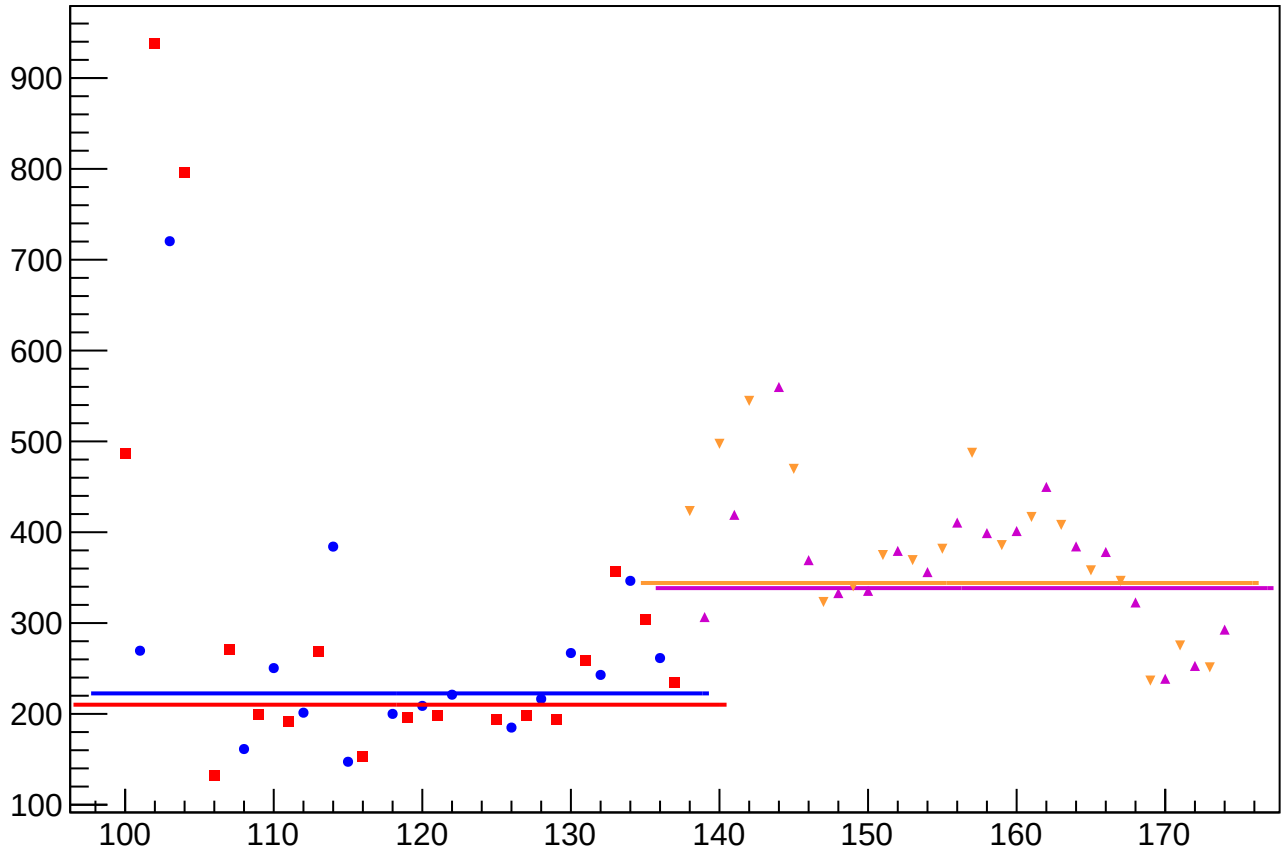
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.068+/-0.091 χ^2/NDF:27.8/17

+ sign -0.060+/-0.065 χ^2/NDF: 42.3/33

All: -0.018+/-0.045 χ^2/NDF: 97.5/69

- sign 0.022+/-0.063 χ^2/NDF: 54.4/35



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 344.133+/-0.067 χ^2/NDF:1345850.6/17

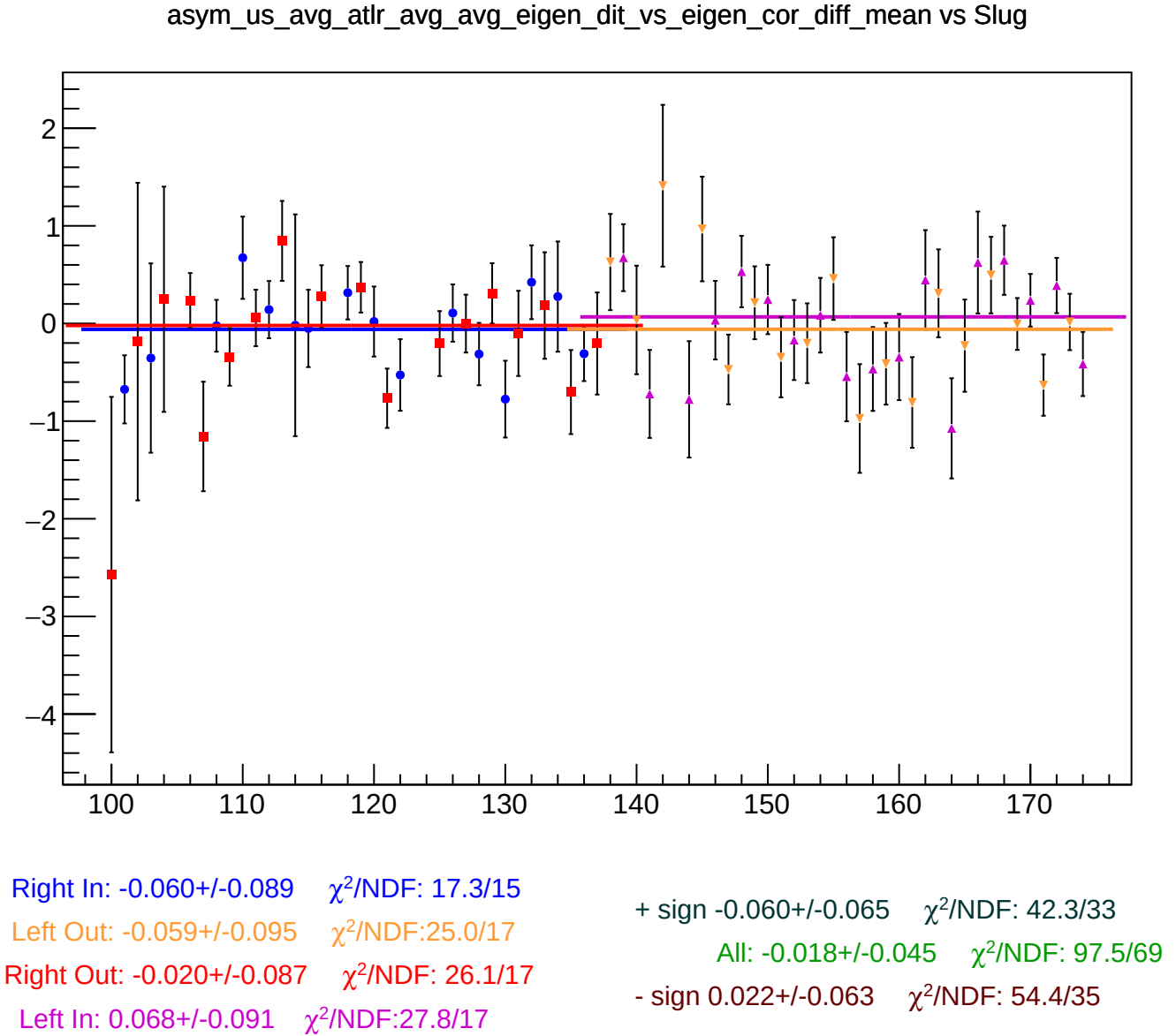
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

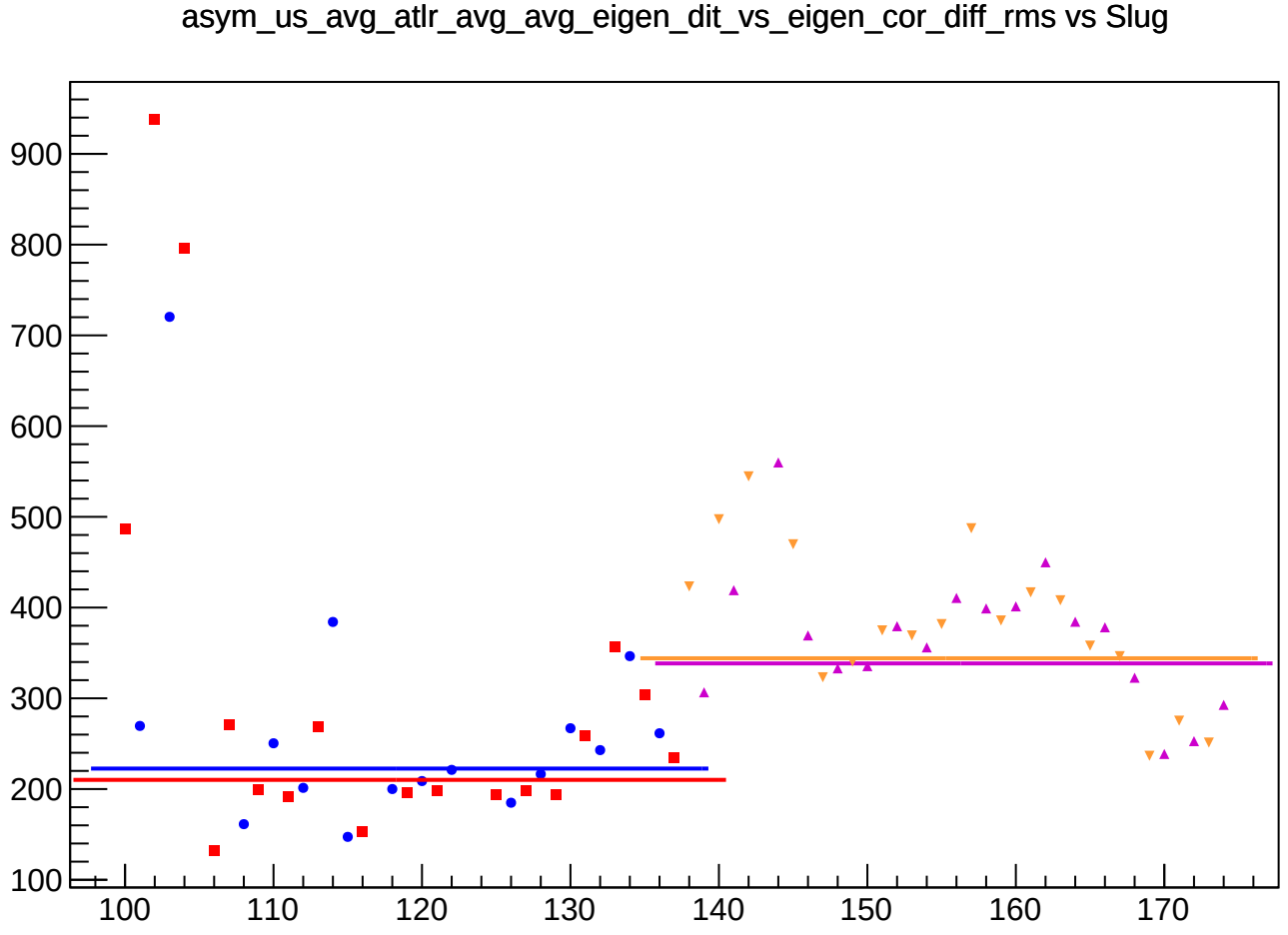
Left In: 338.466+/-0.064 χ^2/NDF:1146546.3/17

+ sign 279.109+/-0.046 χ^2/NDF: 4113578.1/33

All: 275.305+/-0.032 χ^2/NDF: 8890270.1/69

- 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: -0.059+/-0.095 χ²/NDF:25.0/17
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.068+/-0.091 χ²/NDF:27.8/17
+ sign -0.060+/-0.065 χ²/NDF: 42.3/33
All: -0.018+/-0.045 χ²/NDF: 97.5/69
- sign 0.022+/-0.063 χ²/NDF: 54.4/35



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 344.133+/-0.067 χ^2/NDF:1345850.6/17

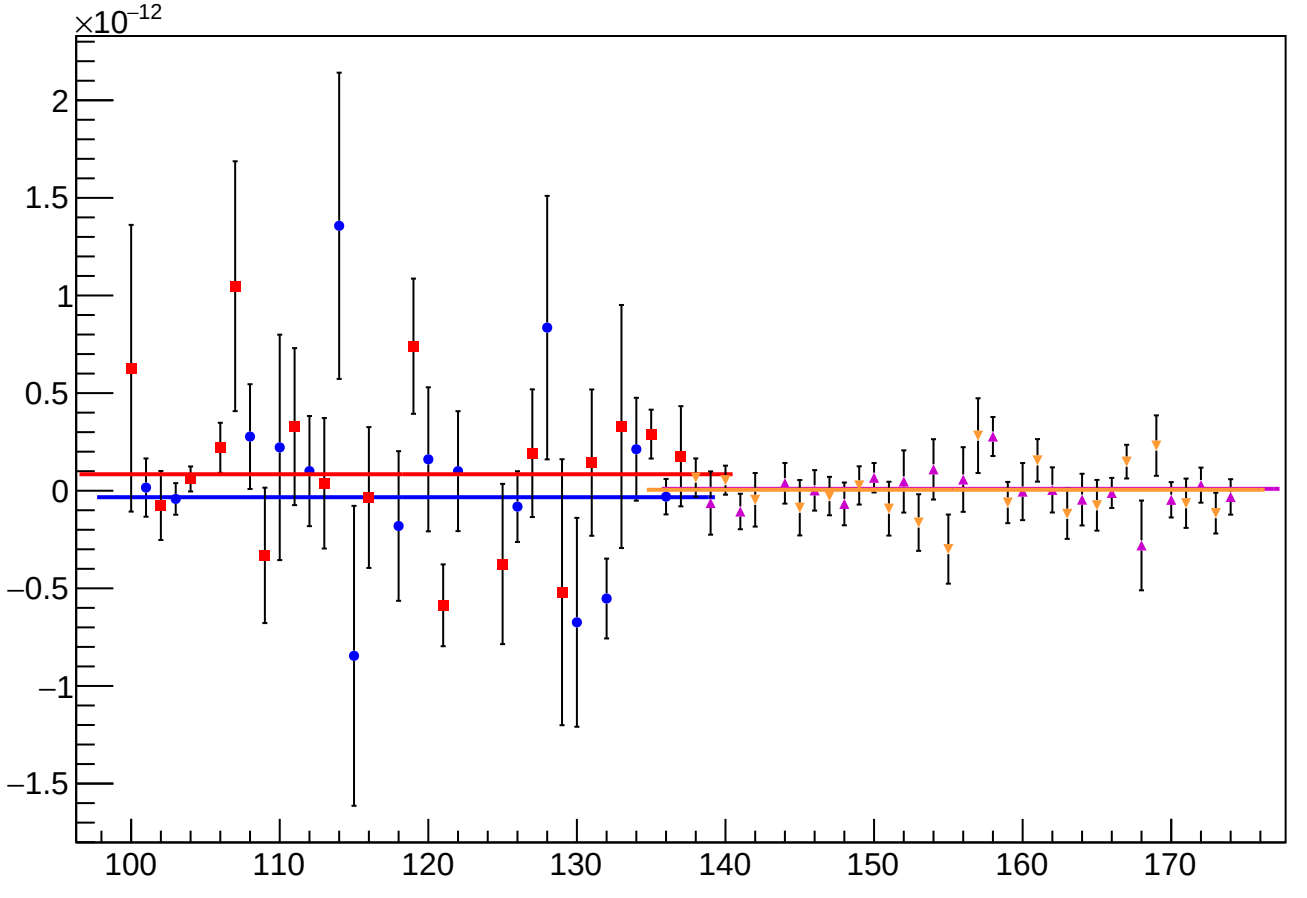
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 338.466+/-0.064 χ^2/NDF:1146546.3/17

+ sign 279.109+/-0.046 χ^2/NDF: 4113578.1/33

All: 275.305+/-0.032 χ^2/NDF: 8890270.1/69

- 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:18.6/17

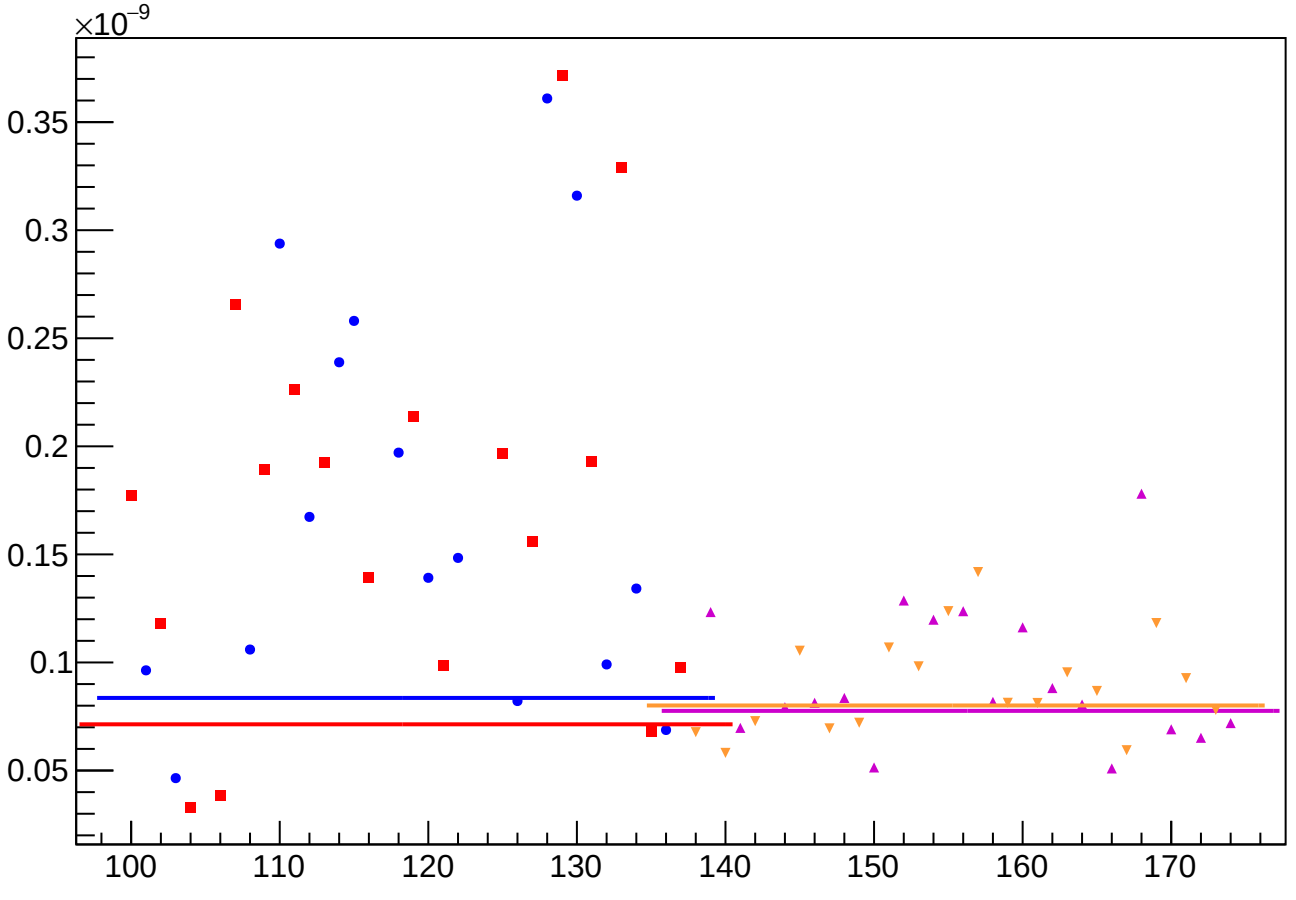
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:13.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 36.3/33

All: 0.000+/-0.000 χ^2/NDF: 78.5/69

- 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:1039421.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

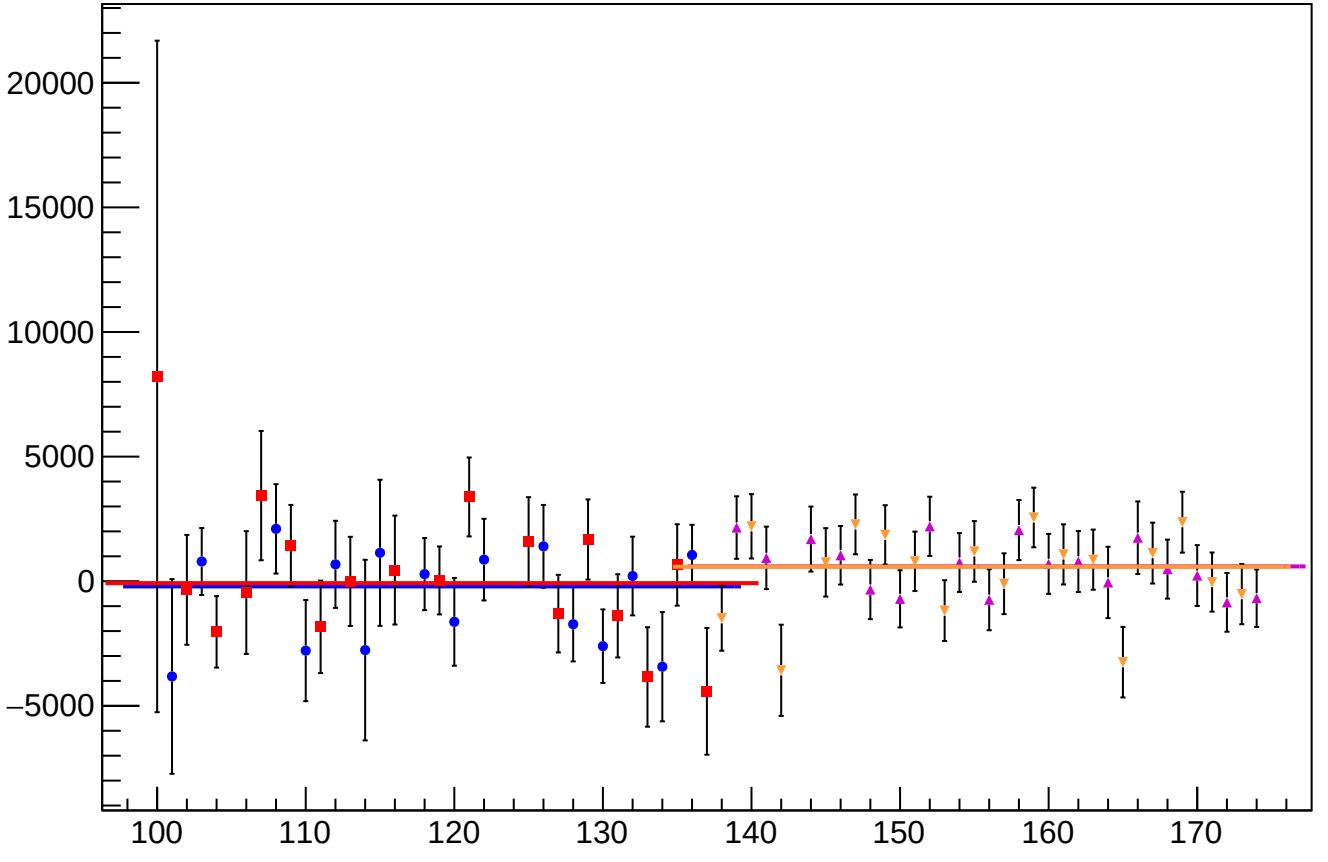
Left In: 0.000+/-0.000 χ^2/NDF:1779461.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 3283139.7/33

All: 0.000+/-0.000 χ^2/NDF: 8883888.9/69

- 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: 581.158+/-295.530 χ^2/NDF:28.8/17

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

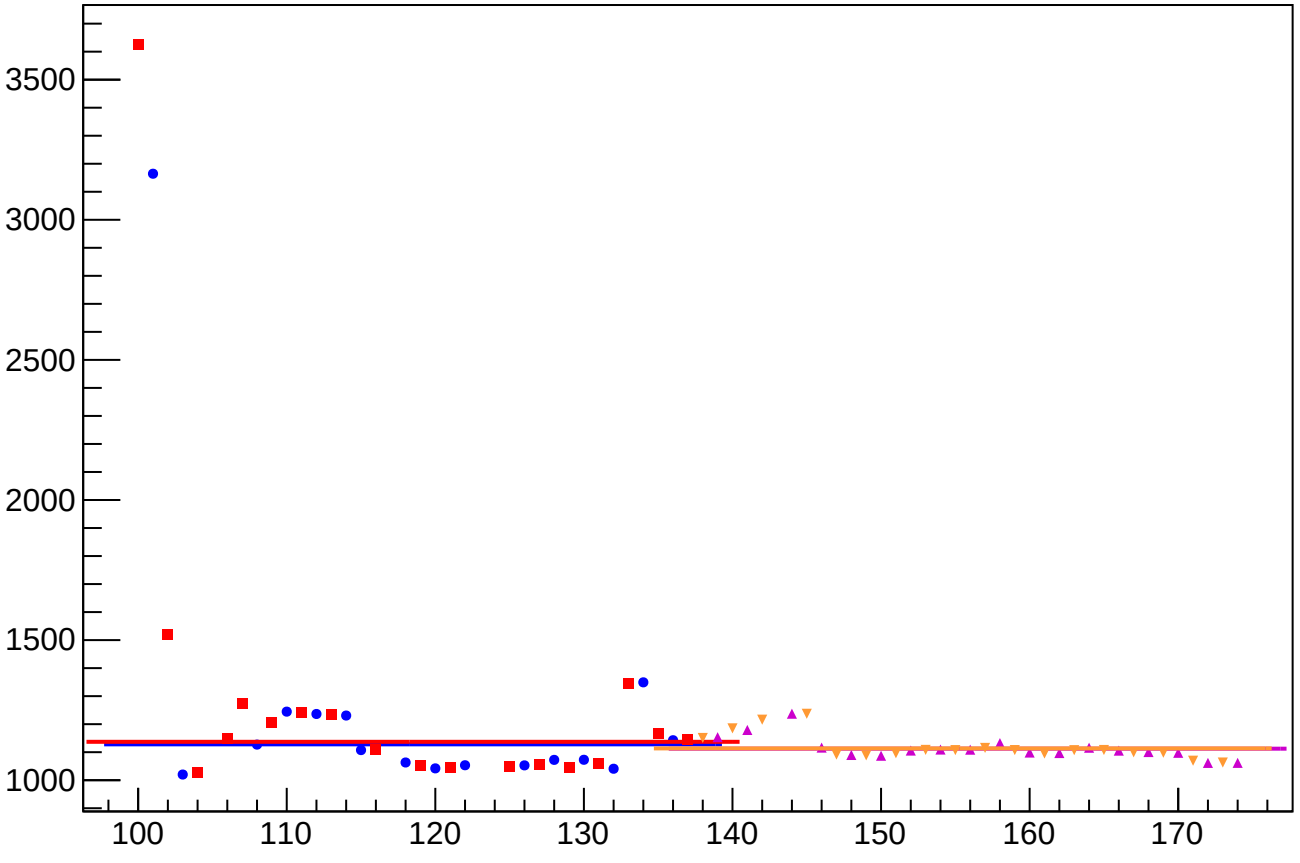
Left In: 594.920+/-288.575 χ^2/NDF:12.6/17

\+ sign 327.198+/-243.401 χ^2/NDF: 45.9/33

All: 357.657+/-170.804 χ^2/NDF: 80.8/69

\- 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: 1113.516+/-0.209 χ^2/NDF:39693.6/17

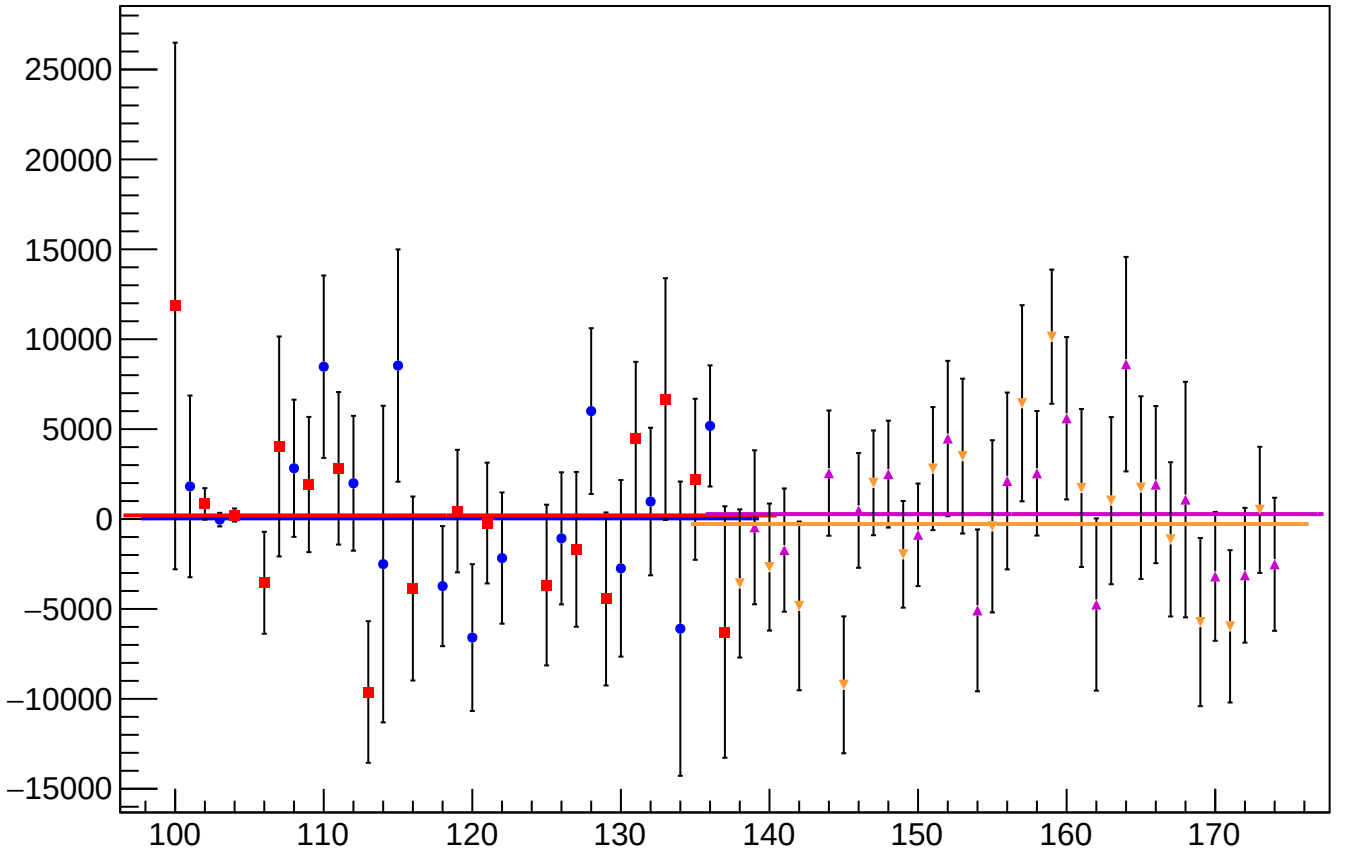
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1112.519+/-0.204 χ^2/NDF:37160.6/17

+ sign 1118.178+/-0.172 χ^2/NDF: 662634.9/33

All: 1119.171+/-0.121 χ^2/NDF: 924432.3/69

- 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: -279.279+/-933.678 χ^2/NDF:23.1/17

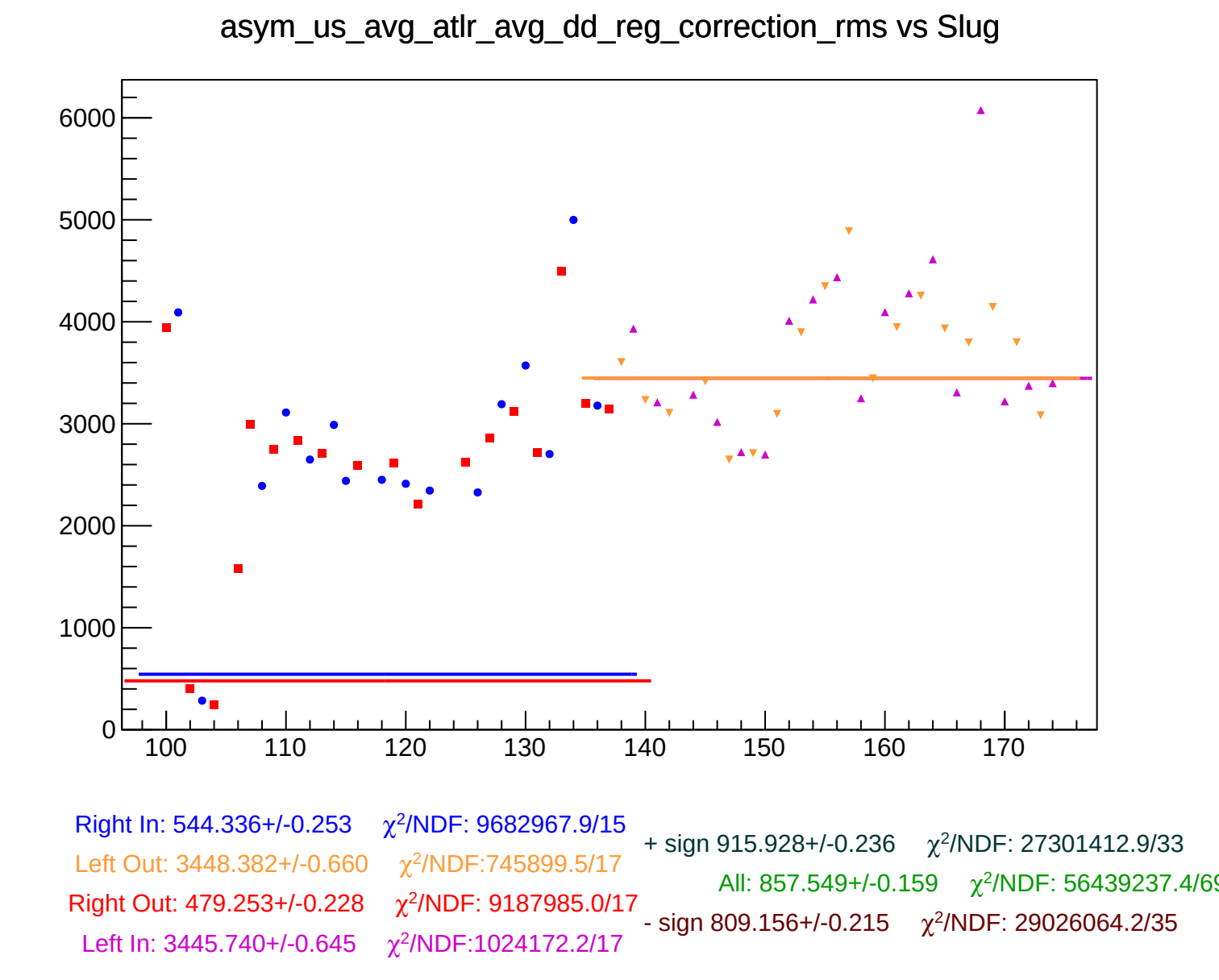
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 274.569+/-911.838 χ^2/NDF:11.4/17

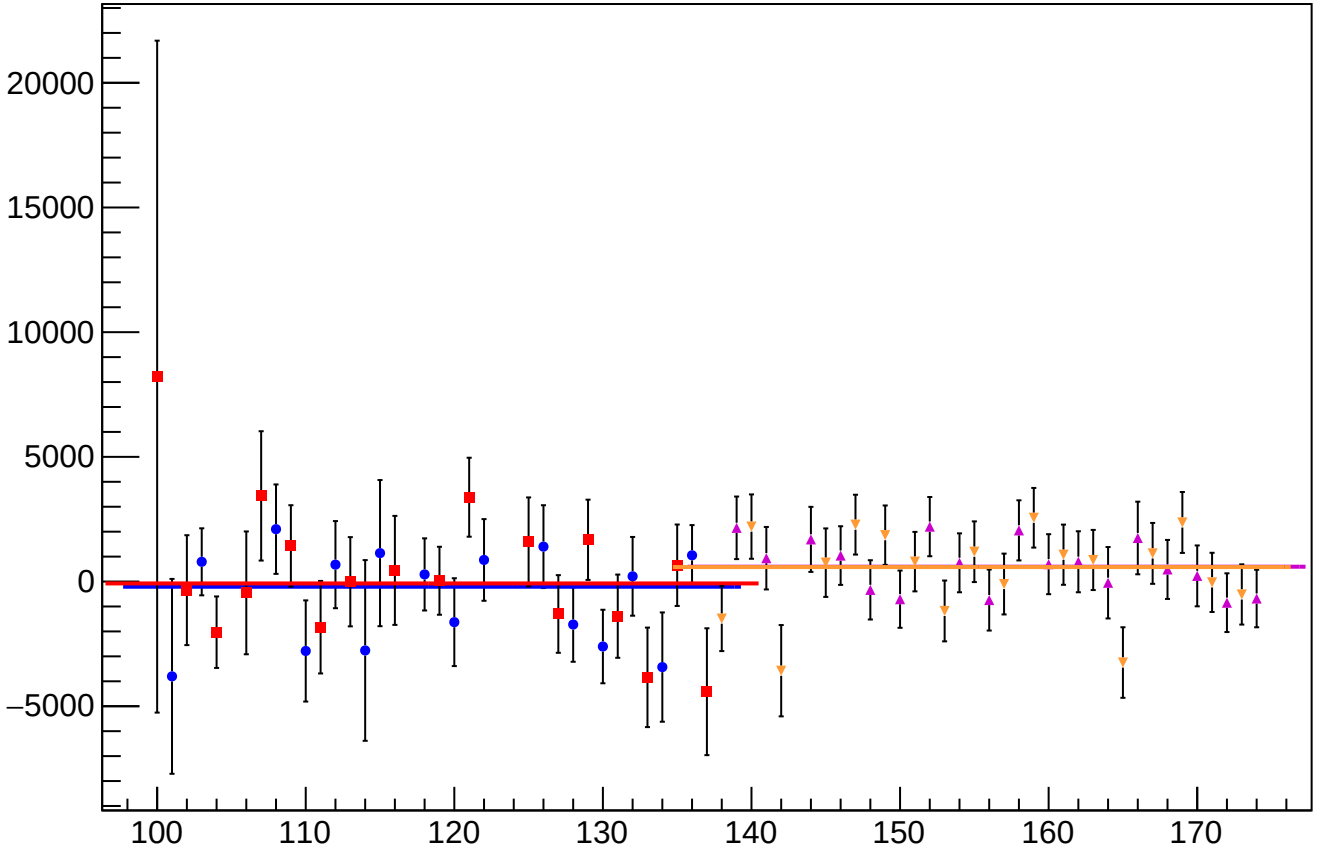
\+ sign -2.336+/-333.986 χ^2/NDF: 38.0/33

All: 113.626+/-224.849 χ^2/NDF: 65.3/69

\- sign 209.752+/-304.081 χ^2/NDF: 27.0/35


asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
Right In: 544.336+/-0.253 χ²/NDF: 9682967.9/15
Left Out: 3448.382+/-0.660 χ²/NDF:745899.5/17
Right Out: 479.253+/-0.228 χ²/NDF: 9187985.0/17
Left In: 3445.740+/-0.645 χ²/NDF:1024172.2/17
+ sign 915.928+/-0.236 χ²/NDF: 27301412.9/33
All: 857.549+/-0.159 χ²/NDF: 56439237.4/69
- sign 809.156+/-0.215 χ²/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: 581.224+/-295.530 χ^2/NDF:28.8/17

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

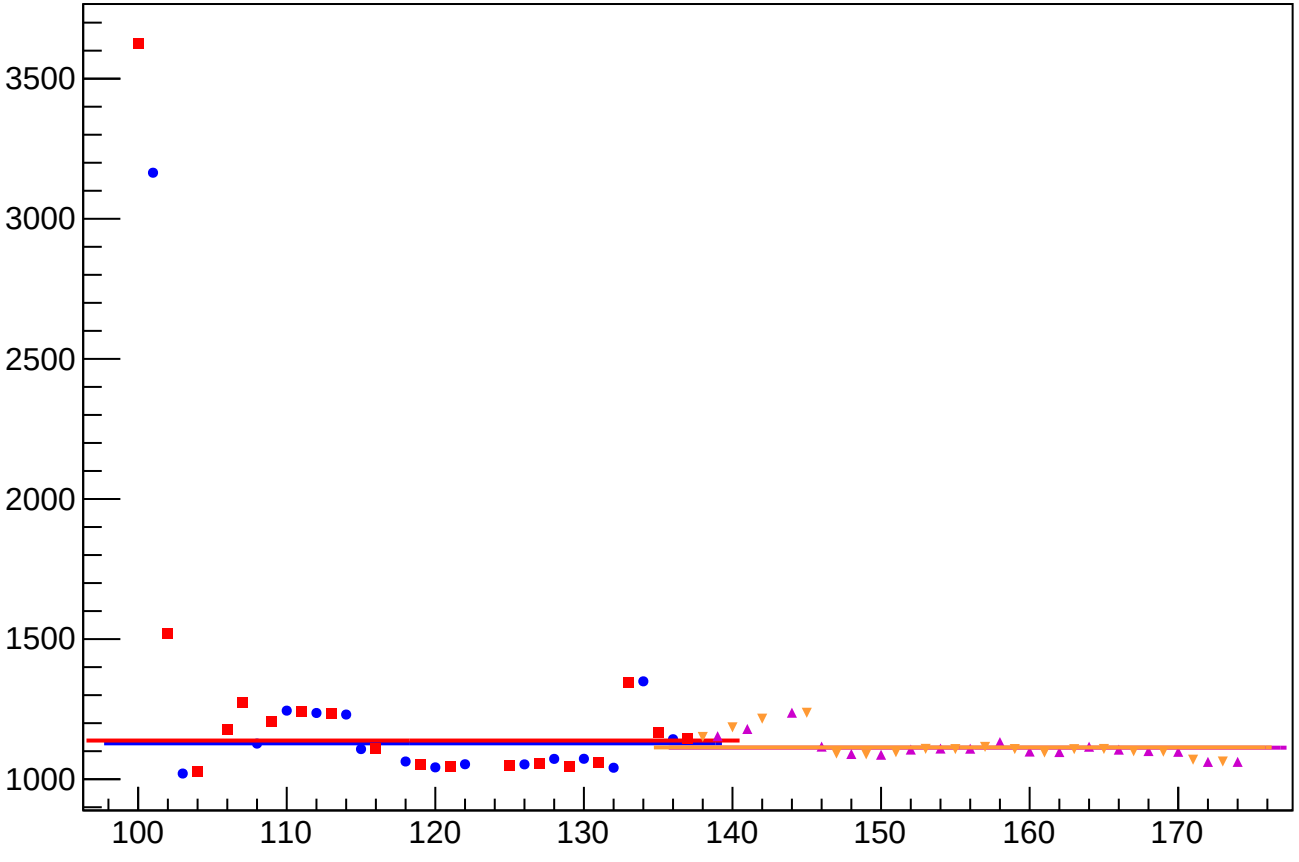
Left In: 594.911+/-288.575 χ^2/NDF:12.6/17

+ sign 327.316+/-243.401 χ^2/NDF: 45.9/33

All: 357.689+/-170.804 χ^2/NDF: 80.8/69

- 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: 1113.516+/-0.209 χ^2/NDF:39693.6/17

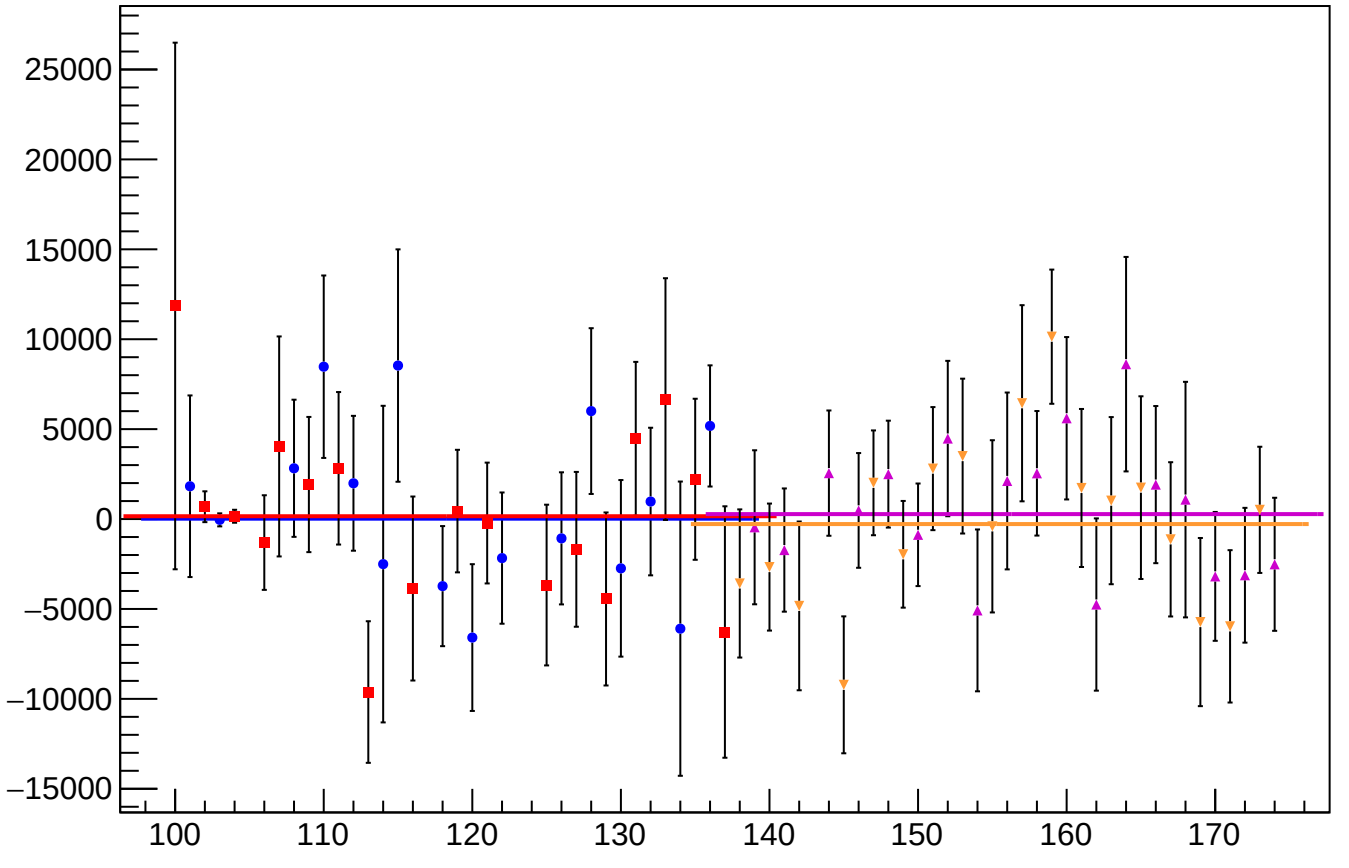
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1112.519+/-0.204 χ^2/NDF:37160.6/17

+ sign 1118.178+/-0.172 χ^2/NDF: 662636.0/33

All: 1119.315+/-0.121 χ^2/NDF: 925341.1/69

- sign 1120.418+/-0.169 χ^2/NDF: 262619.0/35



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -279.221+/-933.678 χ^2/NDF:23.1/17

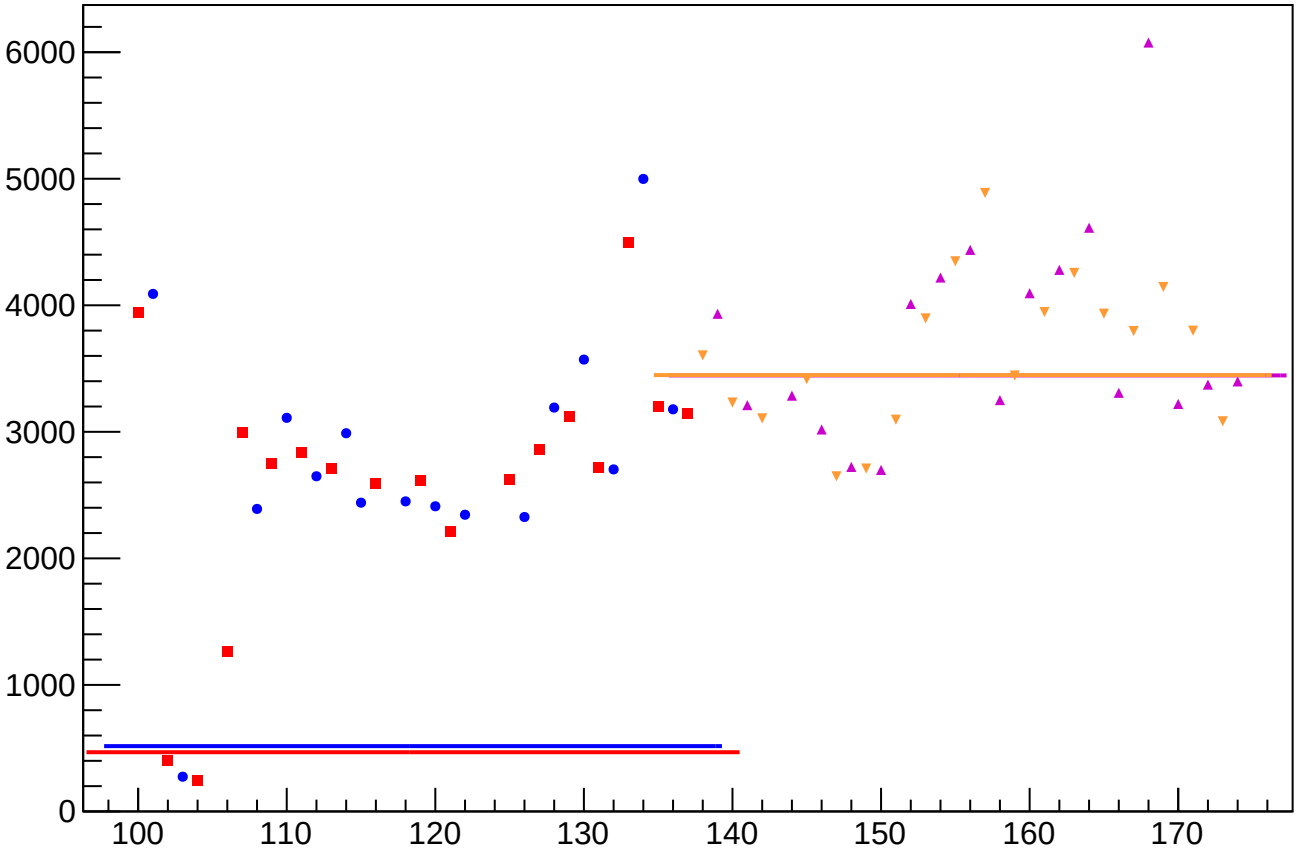
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 274.588+/-911.837 χ^2/NDF:11.4/17

+ sign -14.411+/-323.223 χ^2/NDF: 38.0/33

All: 84.211+/-219.778 χ^2/NDF: 63.6/69

- sign 169.019+/-299.731 χ^2/NDF: 25.4/35



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3448.382+/-0.660 χ^2/NDF:745905.5/17

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

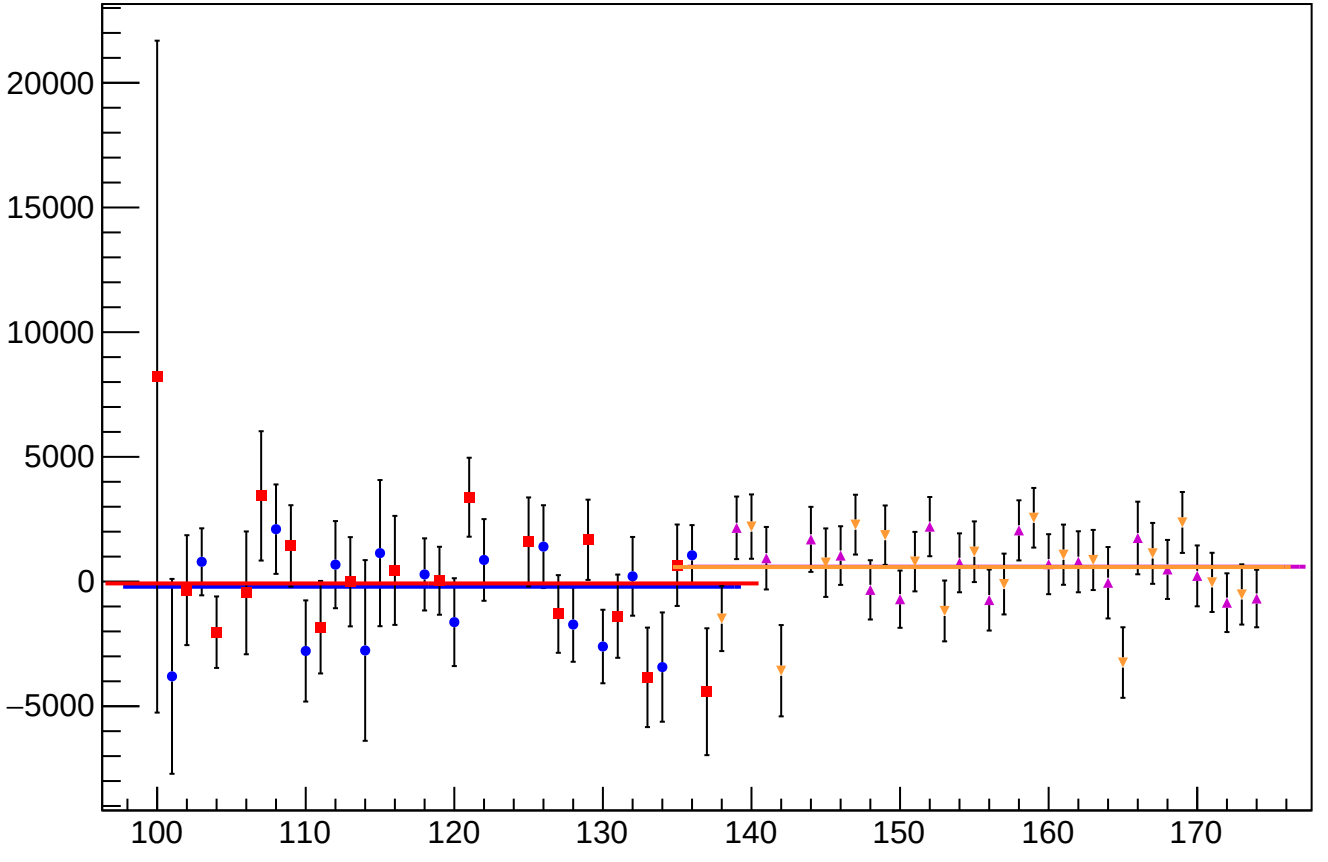
Left In: 3445.738+/-0.645 χ^2/NDF:1024177.9/17

+ sign 867.683+/-0.229 χ^2/NDF: 27940562.5/33

All: 825.810+/-0.155 χ^2/NDF: 57161913.6/69

- 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: 581.224+/-295.530 χ^2/NDF:28.8/17

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

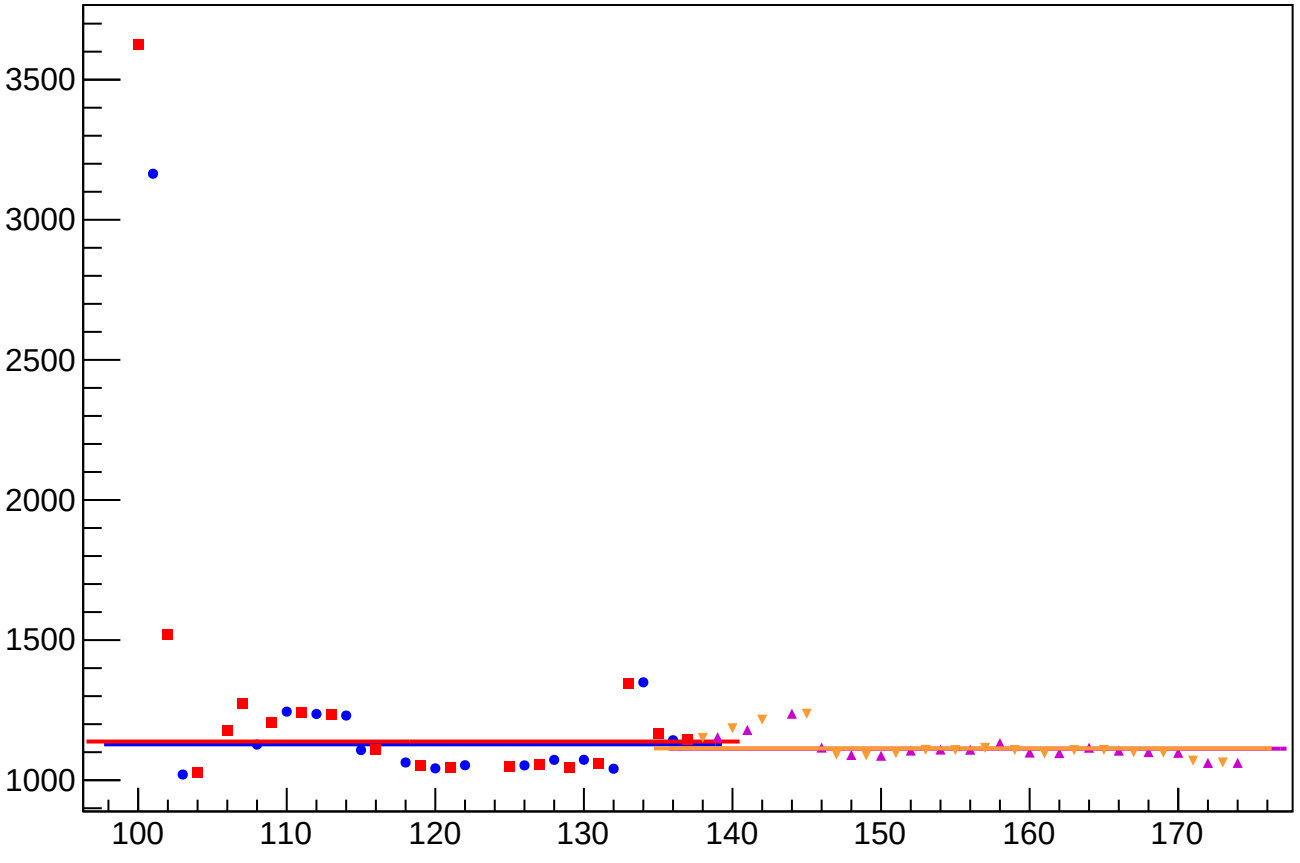
Left In: 594.911+/-288.575 χ^2/NDF:12.6/17

+ sign 327.316+/-243.401 χ^2/NDF: 45.9/33

All: 357.689+/-170.804 χ^2/NDF: 80.8/69

- 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: 1113.516+/-0.209 χ^2/NDF:39693.6/17

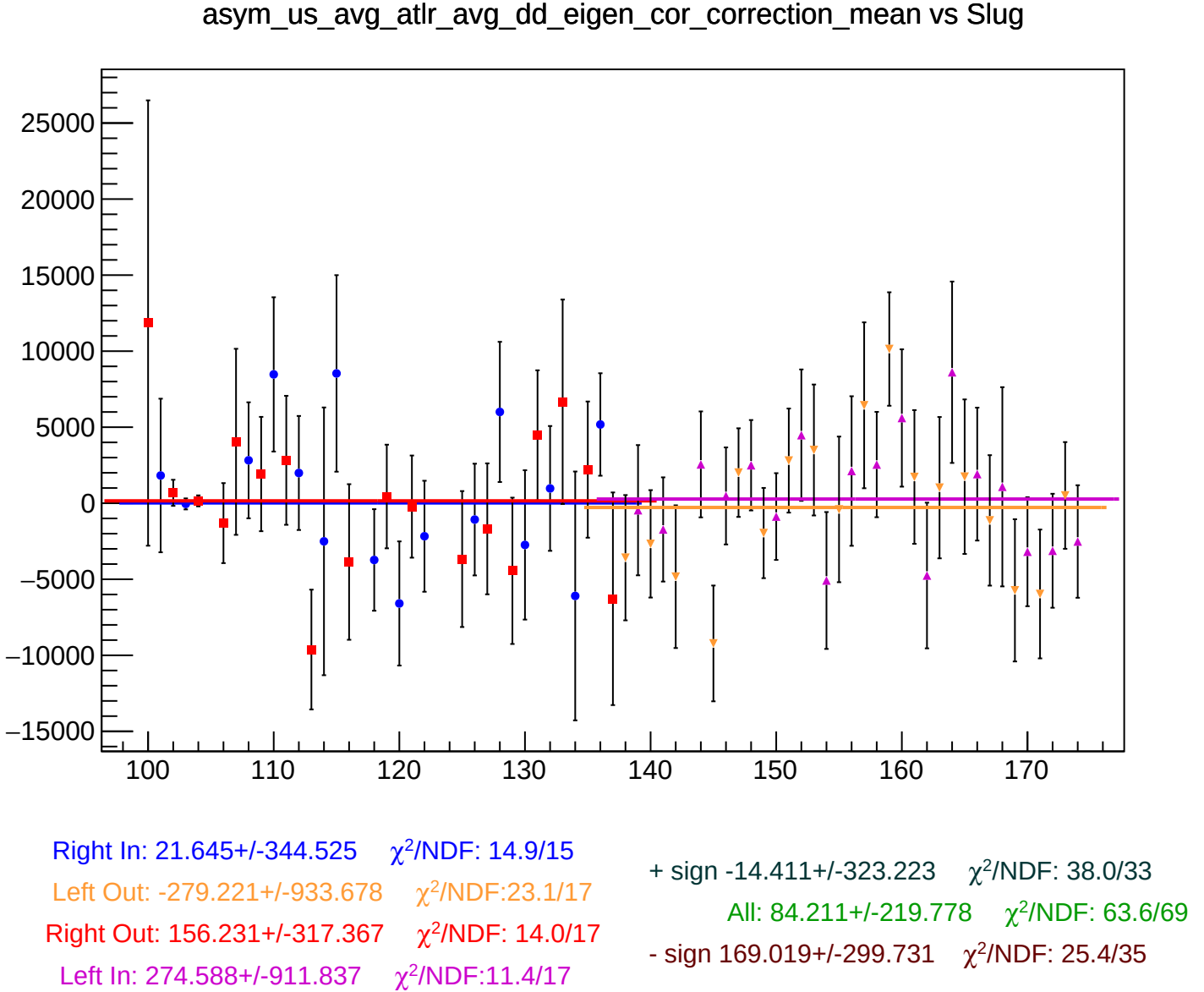
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

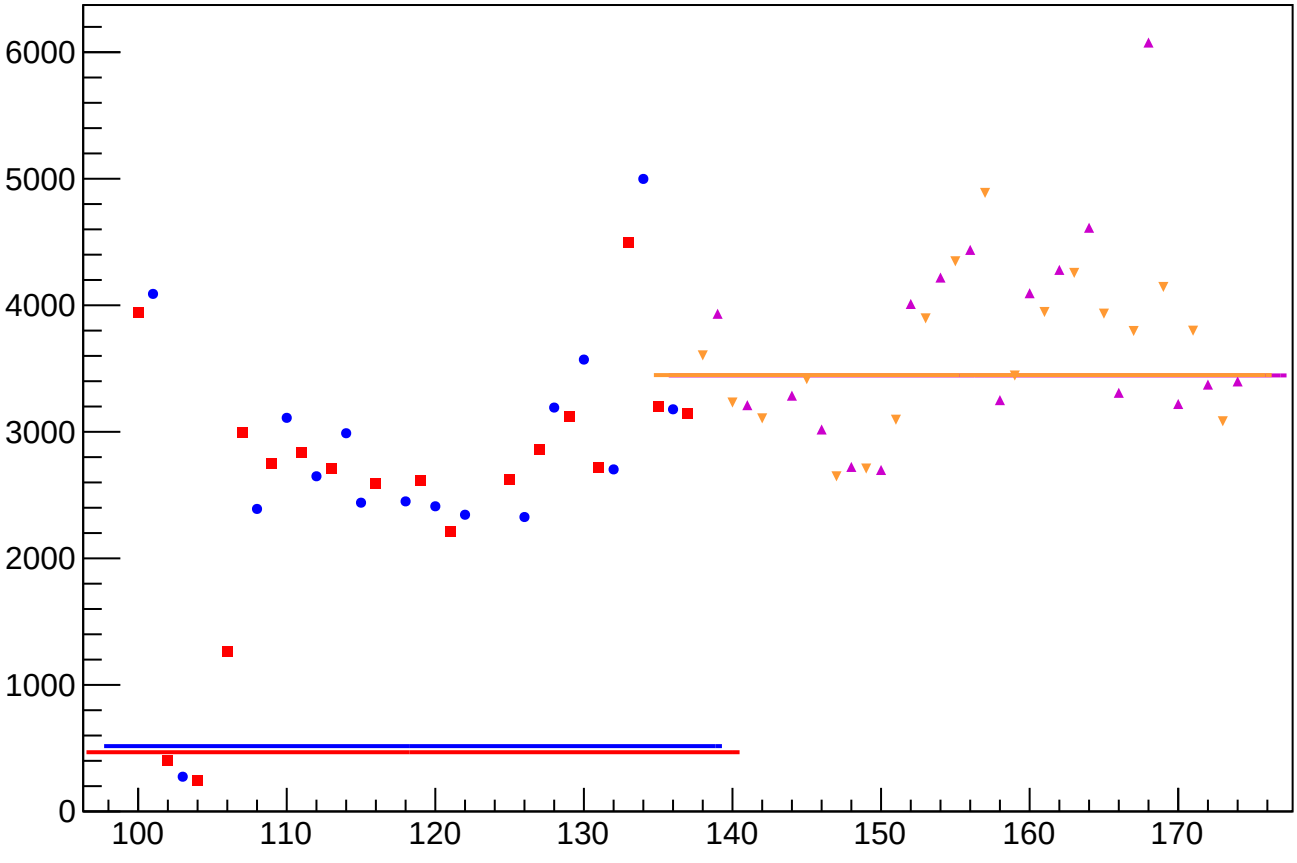
Left In: 1112.519+/-0.204 χ^2/NDF:37160.6/17

+ sign 1118.178+/-0.172 χ^2/NDF: 662636.0/33

All: 1119.315+/-0.121 χ^2/NDF: 925341.1/69

- 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: -279.221+/-933.678 χ²/NDF:23.1/17
Right Out: 156.231+/-317.367 χ²/NDF: 14.0/17
Left In: 274.588+/-911.837 χ²/NDF:11.4/17
+ sign -14.411+/-323.223 χ²/NDF: 38.0/33
All: 84.211+/-219.778 χ²/NDF: 63.6/69
- sign 169.019+/-299.731 χ²/NDF: 25.4/35



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3448.382+/-0.660 χ^2/NDF:745905.5/17

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

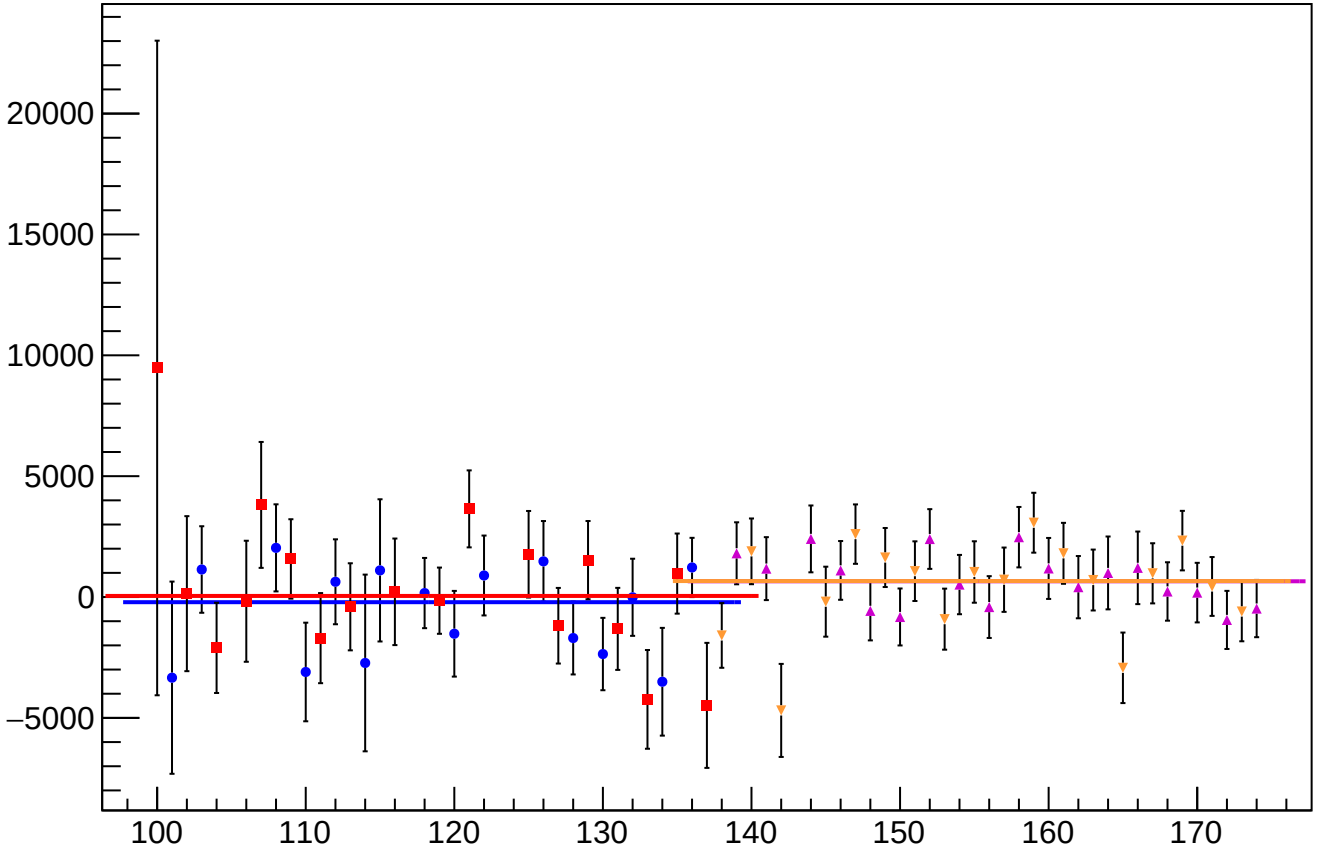
Left In: 3445.738+/-0.645 χ^2/NDF:1024177.9/17

+ sign 867.683+/-0.229 χ^2/NDF: 27940562.5/33

All: 825.810+/-0.155 χ^2/NDF: 57161913.6/69

- 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: 661.074+/-306.147 χ^2/NDF:30.3/17

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

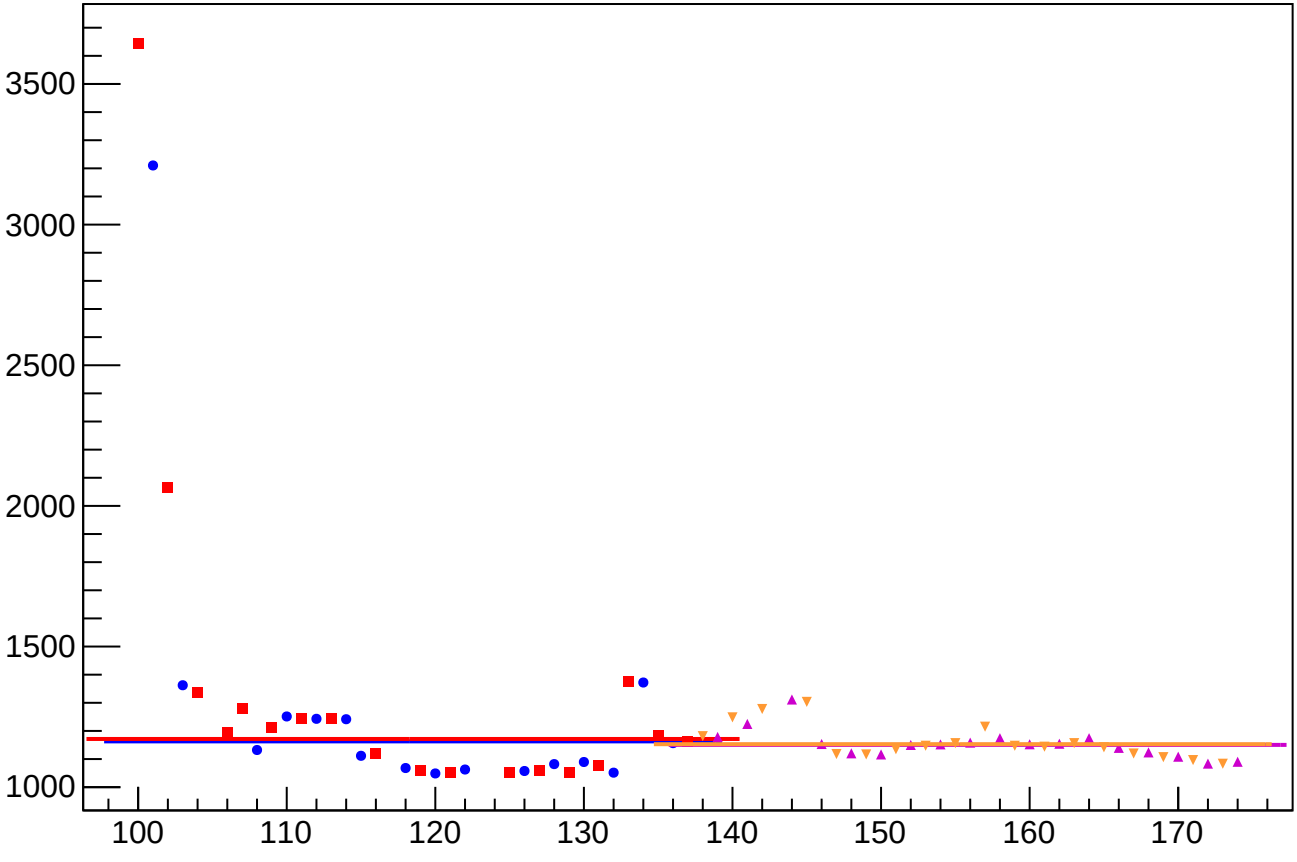
Left In: 651.795+/-298.502 χ^2/NDF:13.5/17

+ sign 378.257+/-251.799 χ^2/NDF: 47.3/33

All: 422.211+/-176.791 χ^2/NDF: 83.7/69

- 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: 1152.830+/-0.216 χ^2/NDF:64219.6/17

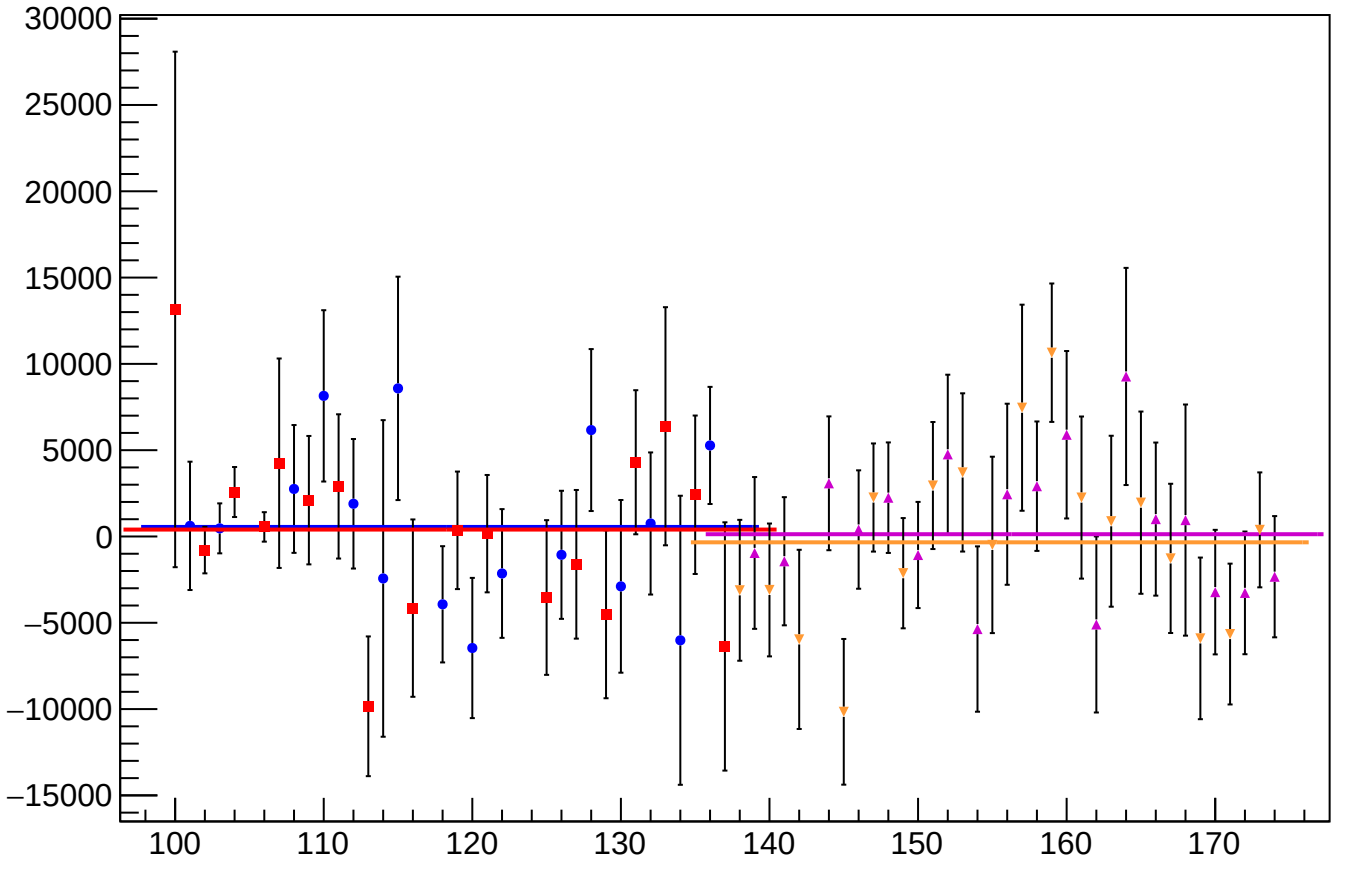
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1150.350+/-0.211 χ^2/NDF:53628.9/17

+ sign 1156.072+/-0.178 χ^2/NDF: 700266.4/33

All: 1156.466+/-0.125 χ^2/NDF: 1088619.1/69

- 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: -338.537+/-979.581 χ^2/NDF:23.1/17

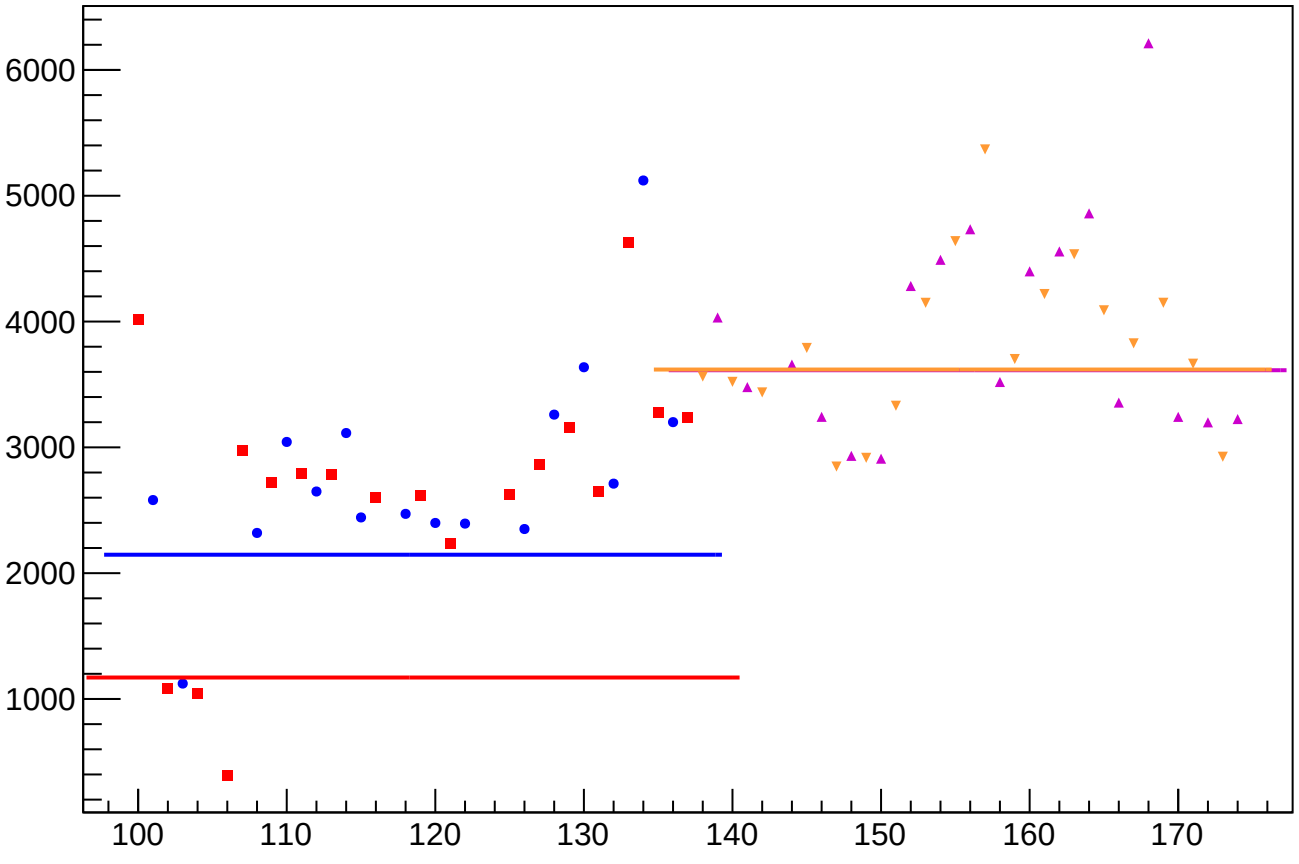
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 131.489+/-956.295 χ^2/NDF:11.4/17

\+ sign 157.516+/-652.210 χ^2/NDF: 38.0/33

All: 268.696+/-390.217 χ^2/NDF: 66.1/69

\- 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: 3618.560+/-0.693 χ^2/NDF:750852.8/17

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

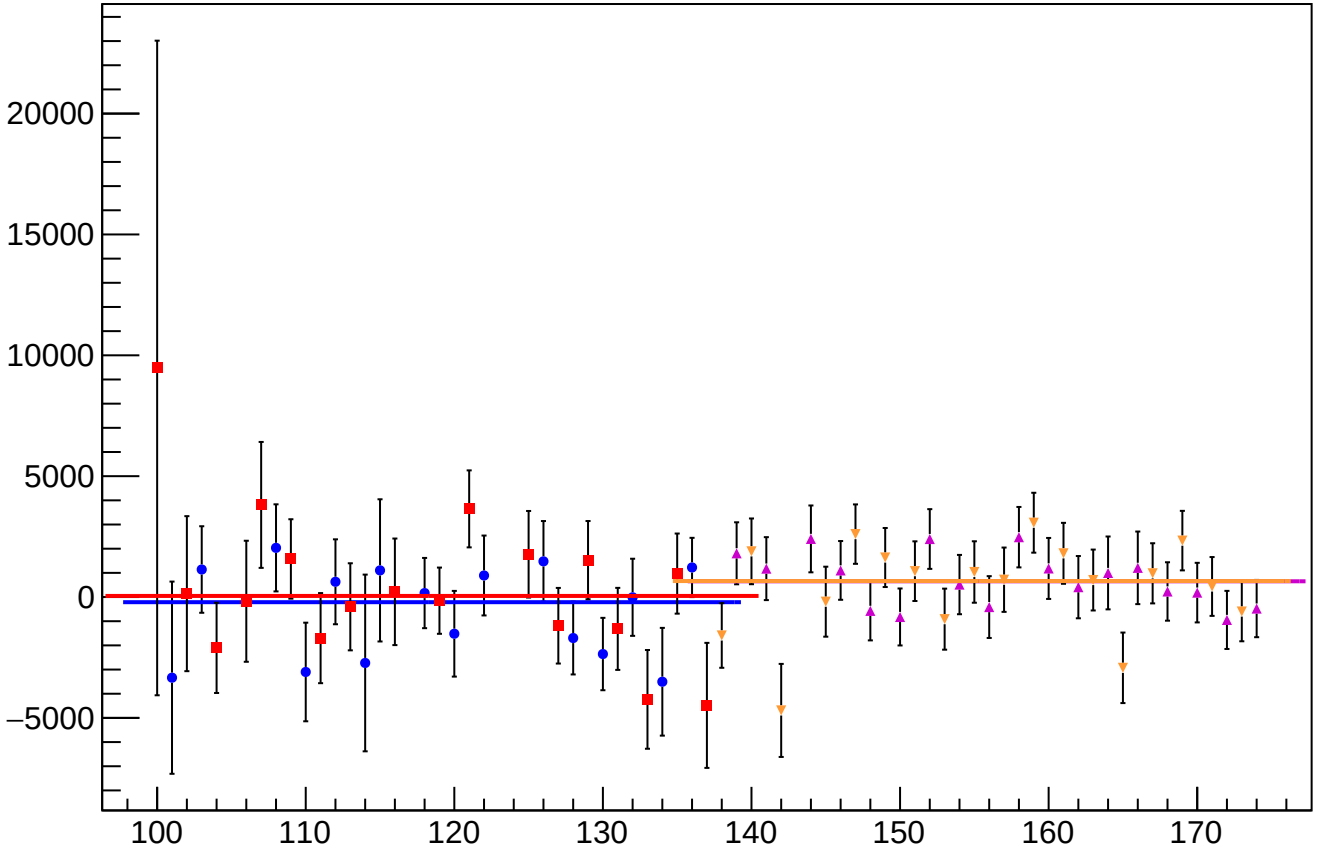
Left In: 3613.079+/-0.676 χ^2/NDF:1021325.9/17

+ sign 2799.123+/-0.461 χ^2/NDF: 5239524.7/33

All: 2160.226+/-0.276 χ^2/NDF: 24731085.5/6

- 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: 661.074+/-306.147 χ^2/NDF:30.3/17

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

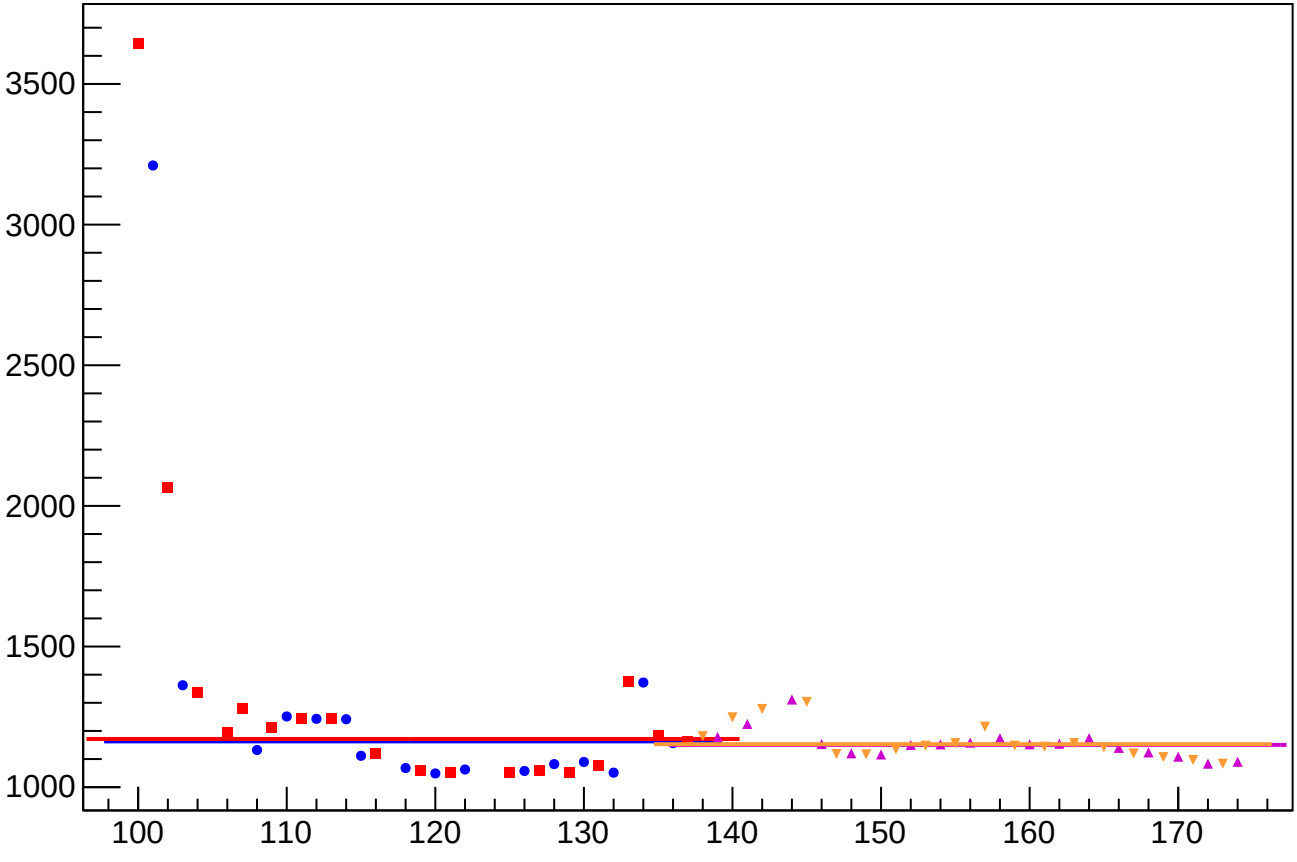
Left In: 651.794+/-298.502 χ^2/NDF:13.5/17

+ sign 378.255+/-251.799 χ^2/NDF: 47.3/33

All: 422.211+/-176.791 χ^2/NDF: 83.7/69

- 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: 1152.831+/-0.216 χ^2/NDF:64220.9/17

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

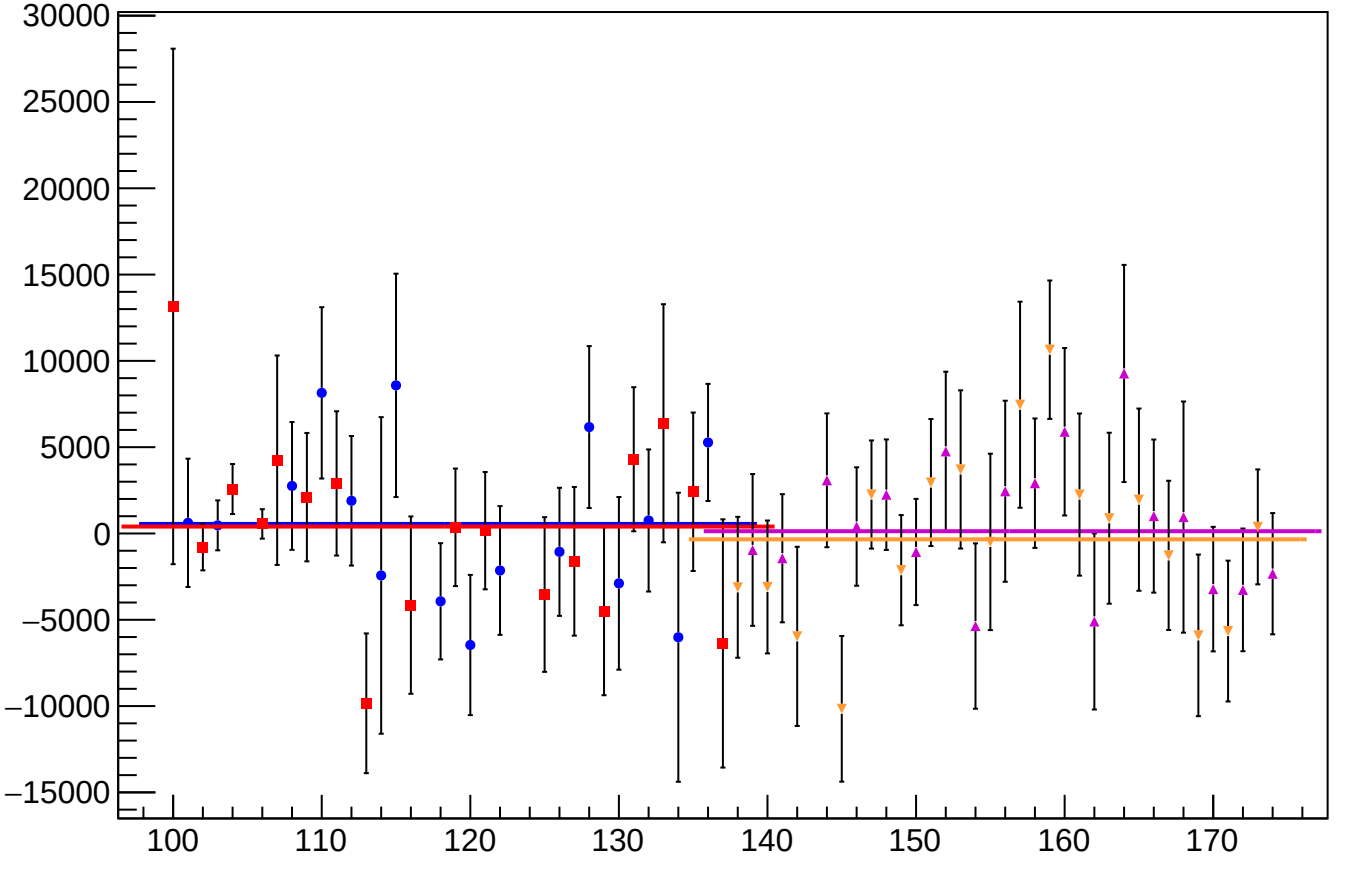
Left In: 1150.350+/-0.211 χ^2/NDF:53629.9/17

+ sign 1156.073+/-0.178 χ^2/NDF: 700267.7/33

All: 1156.466+/-0.125 χ^2/NDF: 1088621.0/69

- sign 1156.848+/-0.176 χ^2/NDF: 388343.6/35

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -338.539+/-979.582 χ^2/NDF:23.1/17

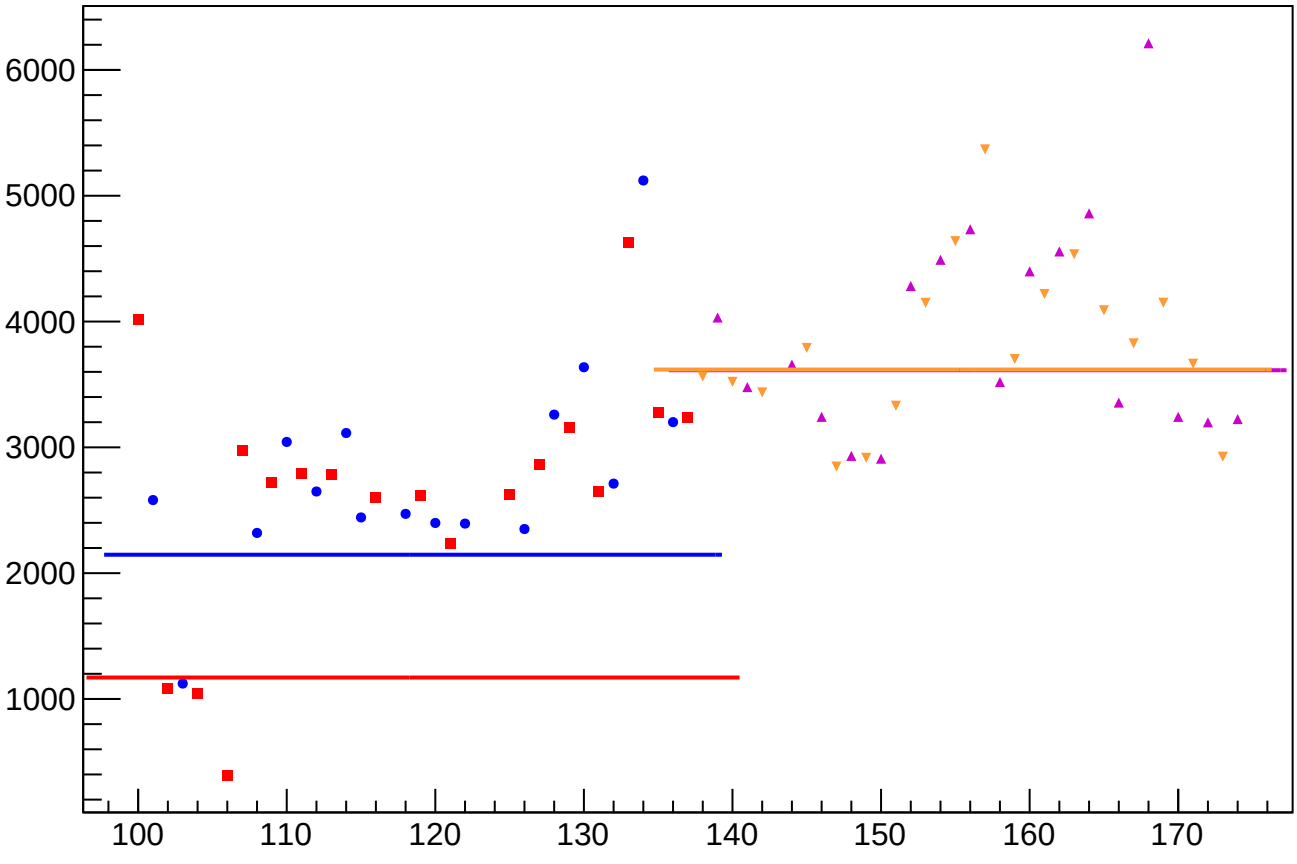
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 131.487+/-956.296 χ^2/NDF:11.4/17

+ sign 157.513+/-652.209 χ^2/NDF: 38.0/33

All: 268.697+/-390.215 χ^2/NDF: 66.1/69

- 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: 3618.565+/-0.693 χ^2/NDF:750853.4/17

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

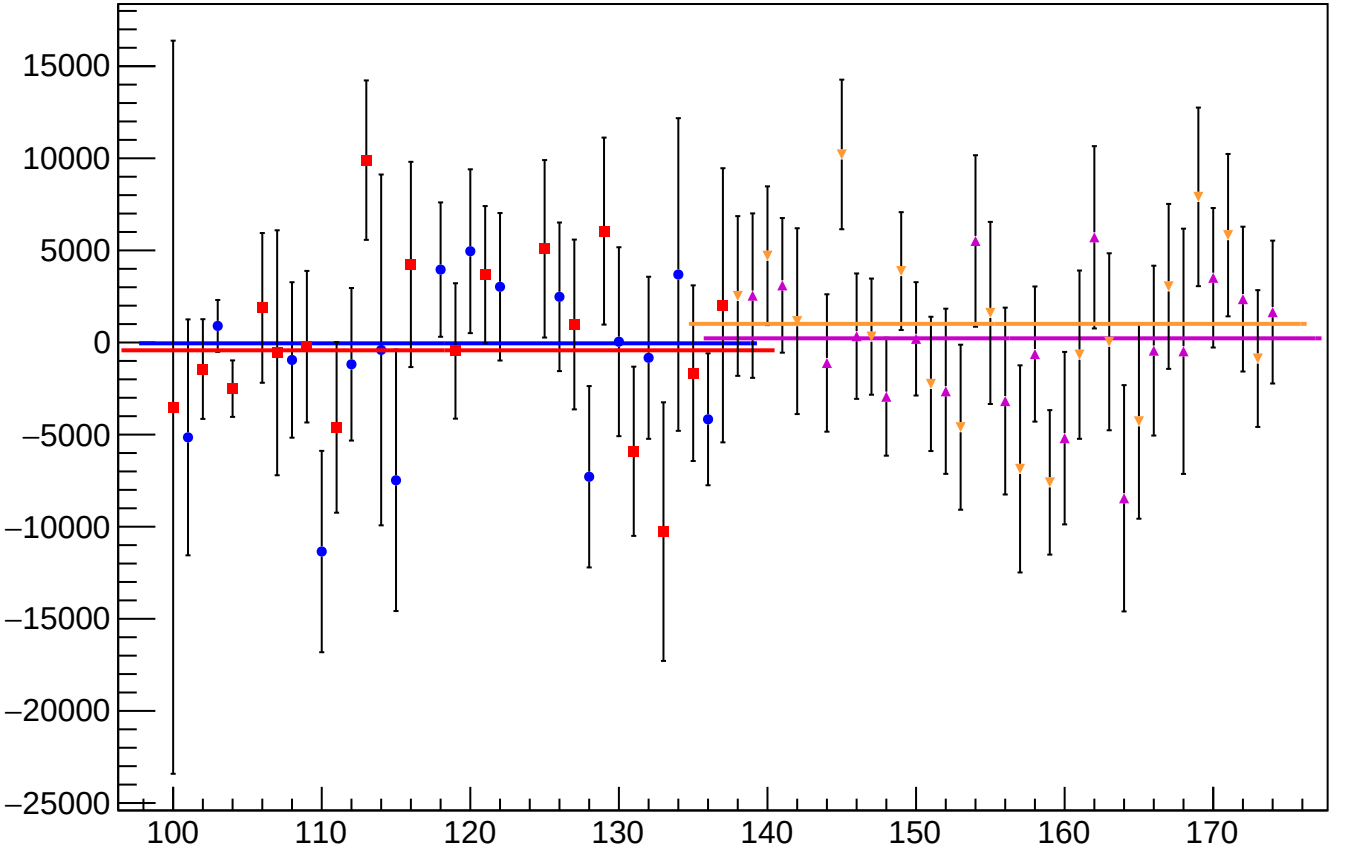
Left In: 3613.083+/-0.676 χ^2/NDF:1021327.6/17

+ sign 2799.121+/-0.461 χ^2/NDF: 5239548.7/33

All: 2160.204+/-0.276 χ^2/NDF: 24731679.3/6

- 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: 1012.903+/-986.248 χ^2/NDF:21.1/17

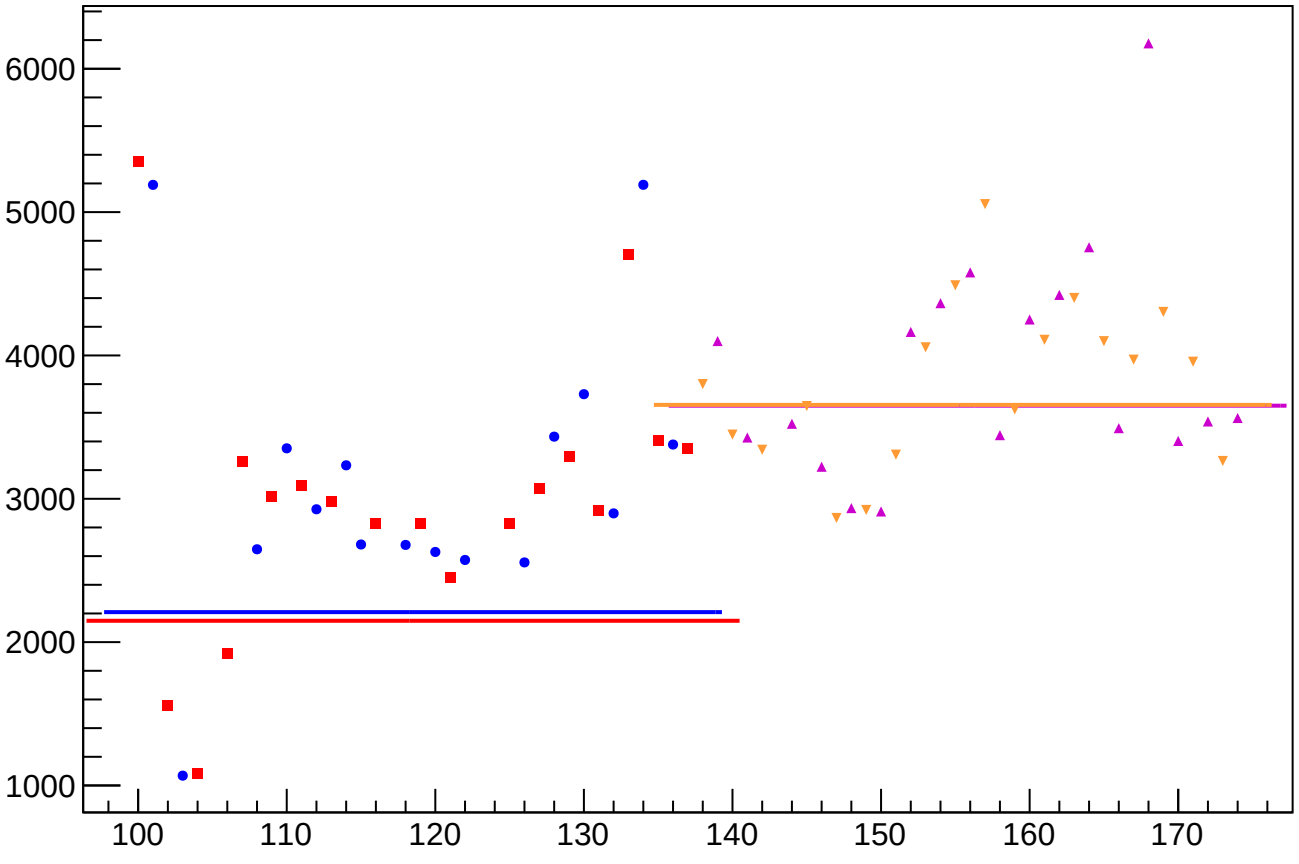
Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 226.936+/-962.719 χ^2/NDF:10.0/17

+ sign 447.719+/-673.028 χ^2/NDF: 35.4/33

All: 155.985+/-469.831 χ^2/NDF: 63.4/69

- sign -121.321+/-656.176 χ^2/NDF: 27.6/35



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3655.133+/-0.697 χ^2/NDF:621147.2/17

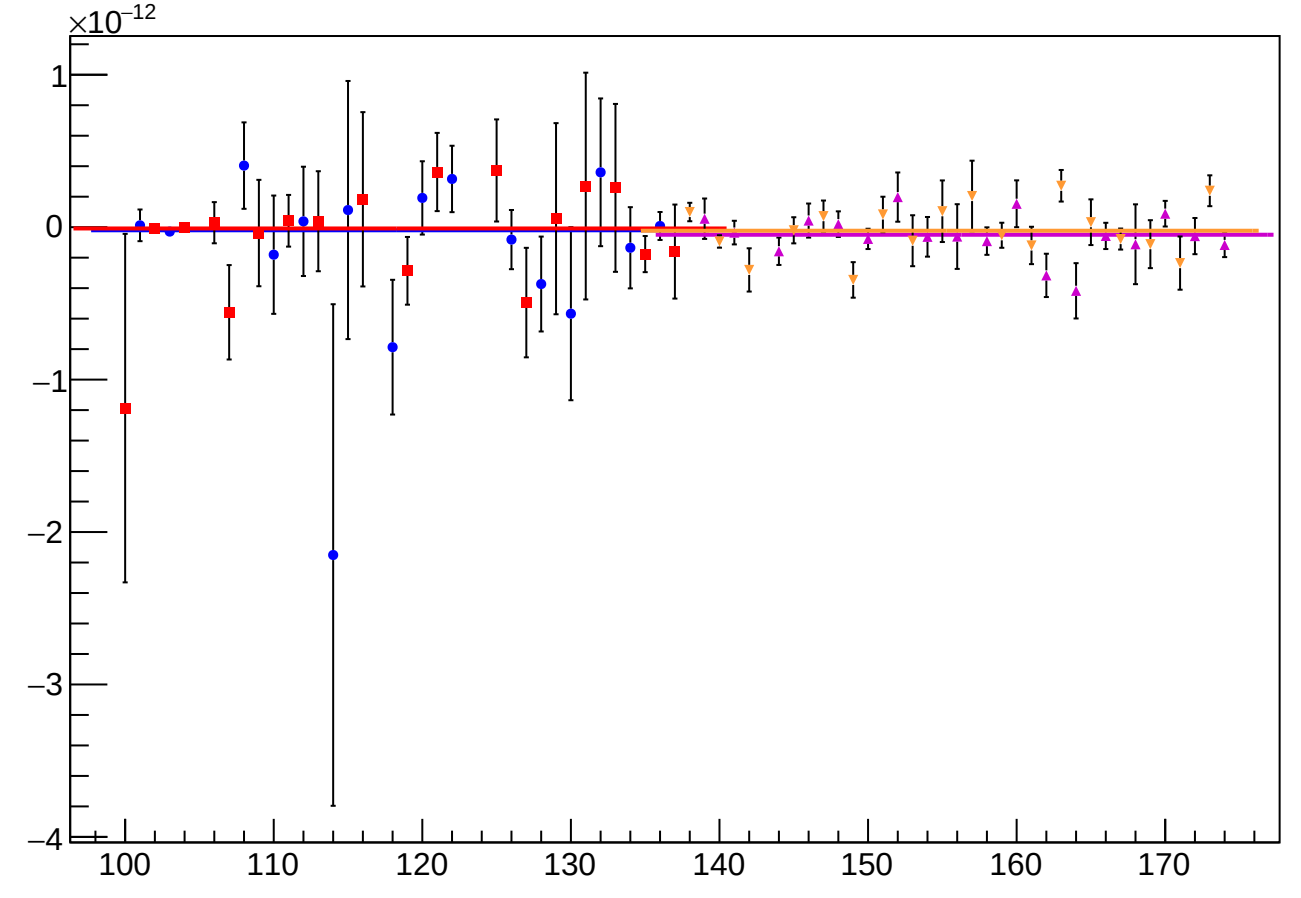
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3649.602+/-0.681 χ^2/NDF:871269.3/17

+ sign 2882.630+/-0.476 χ^2/NDF: 5754499.0/33

All: 2862.956+/-0.332 χ^2/NDF: 11506524.7/6

- 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:39.4/17

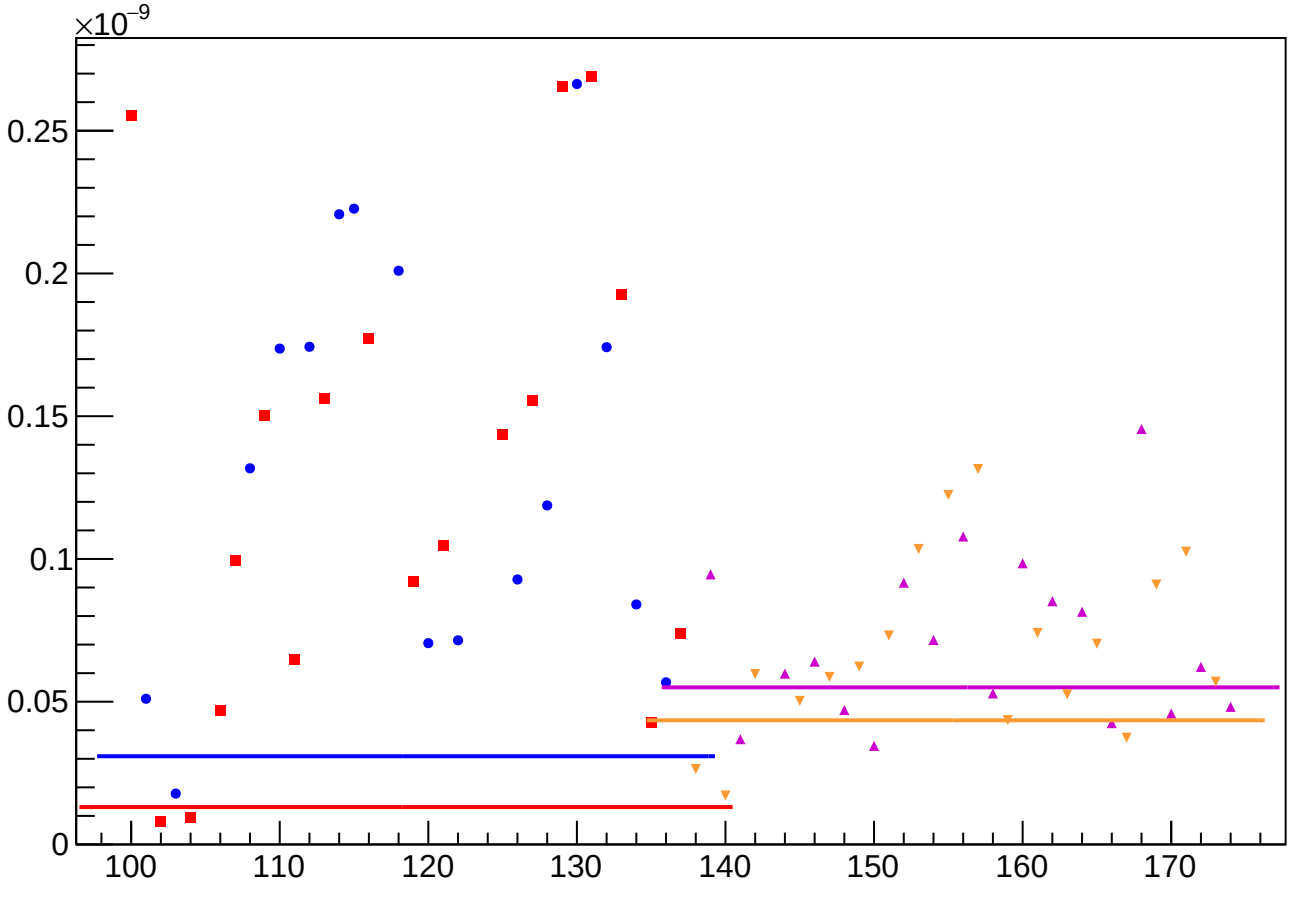
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:19.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 53.1/33

All: -0.000+/-0.000 χ^2/NDF: 88.3/69

- 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:2777390.6/17

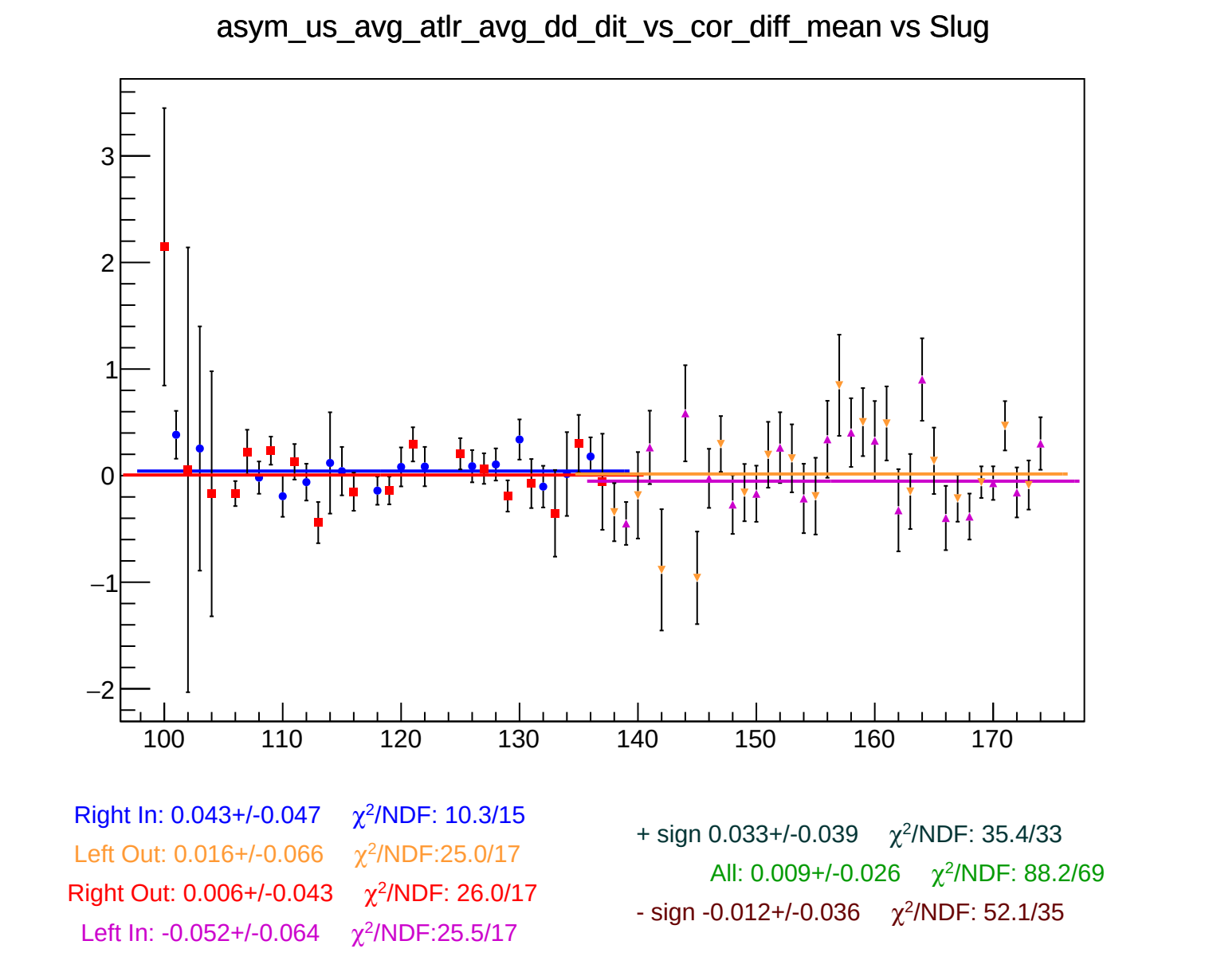
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1394301.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 6057814.0/33

All: 0.000+/-0.000 χ^2/NDF: 16278453.9/69

- 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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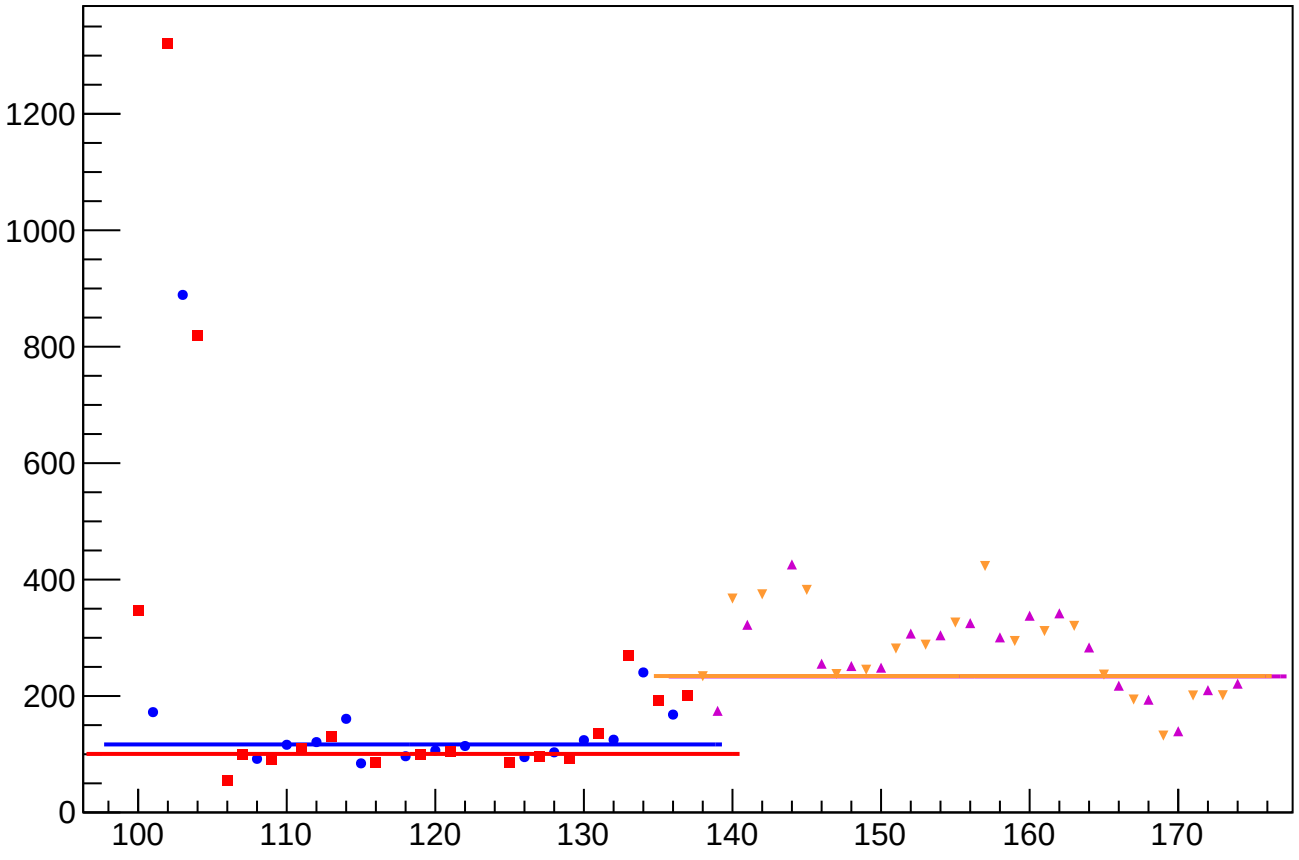
170
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.016+/-0.066 χ²/NDF:25.0/17
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.052+/-0.064 χ²/NDF:25.5/17
+ sign 0.033+/-0.039 χ²/NDF: 35.4/33
All: 0.009+/-0.026 χ²/NDF: 88.2/69
- sign -0.012+/-0.036 χ²/NDF: 52.1/35



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 234.309+/-0.047 χ^2/NDF:2516973.8/17

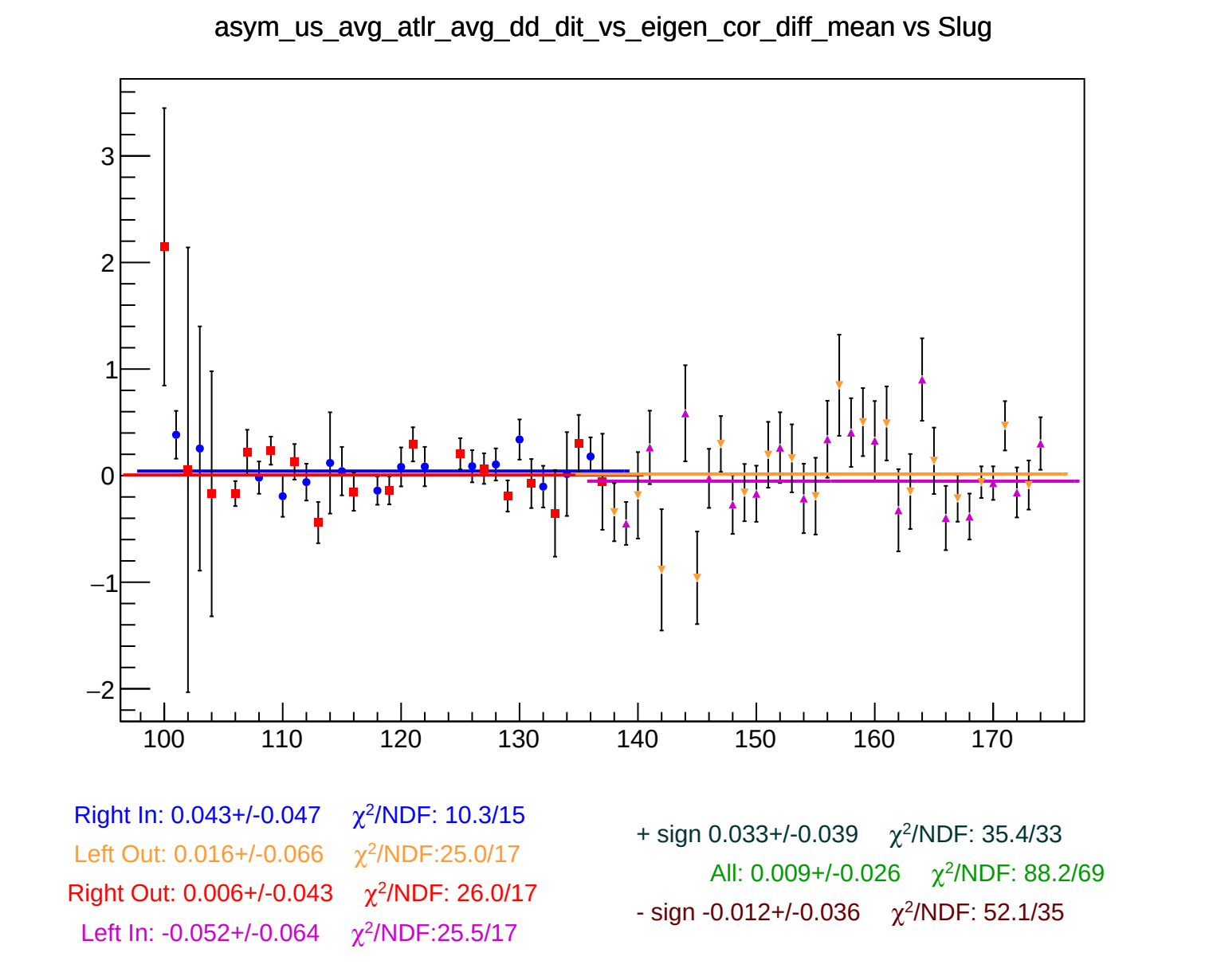
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 233.689+/-0.045 χ^2/NDF:2266284.7/17

+ sign 156.839+/-0.027 χ^2/NDF: 8308705.0/33

All: 149.040+/-0.019 χ^2/NDF: 19294482.3/69

- 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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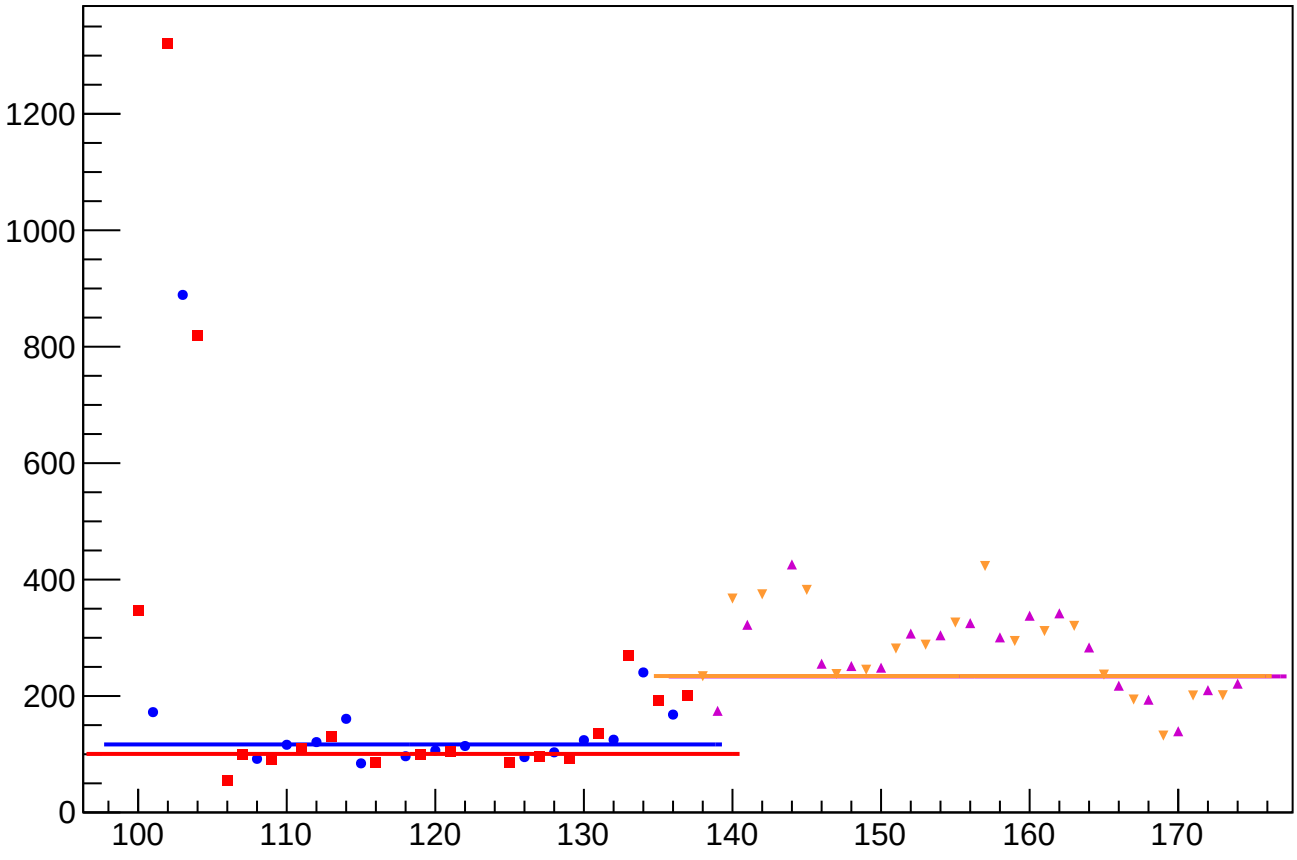
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.016+/-0.066 χ²/NDF:25.0/17
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.052+/-0.064 χ²/NDF:25.5/17
+ sign 0.033+/-0.039 χ²/NDF: 35.4/33
All: 0.009+/-0.026 χ²/NDF: 88.2/69
- sign -0.012+/-0.036 χ²/NDF: 52.1/35



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 234.309+/-0.047 χ^2/NDF:2516973.8/17

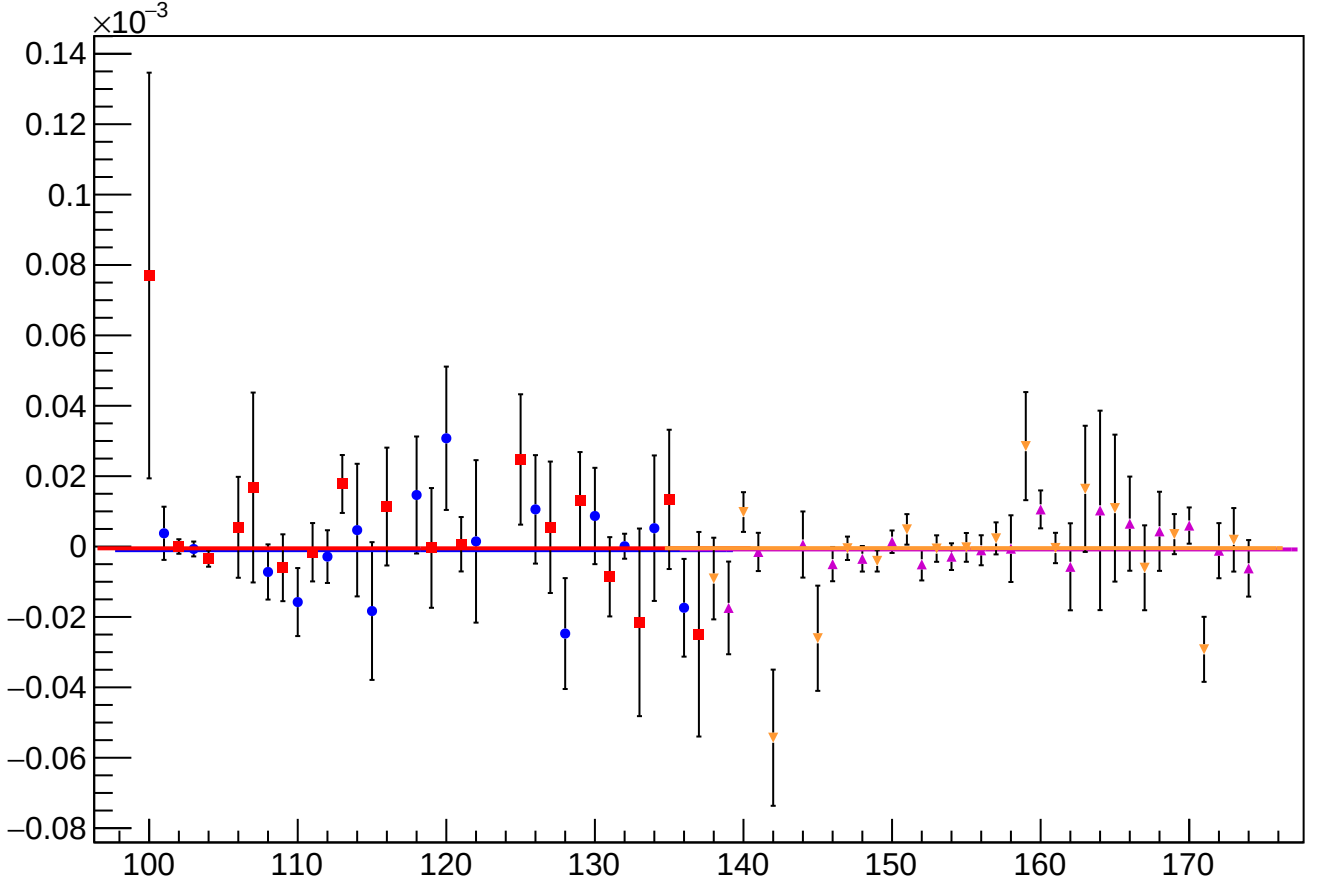
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 233.689+/-0.045 χ^2/NDF:2266284.7/17

+ sign 156.839+/-0.027 χ^2/NDF: 8308705.0/33

All: 149.040+/-0.019 χ^2/NDF: 19294482.3/69

- 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:33.1/17

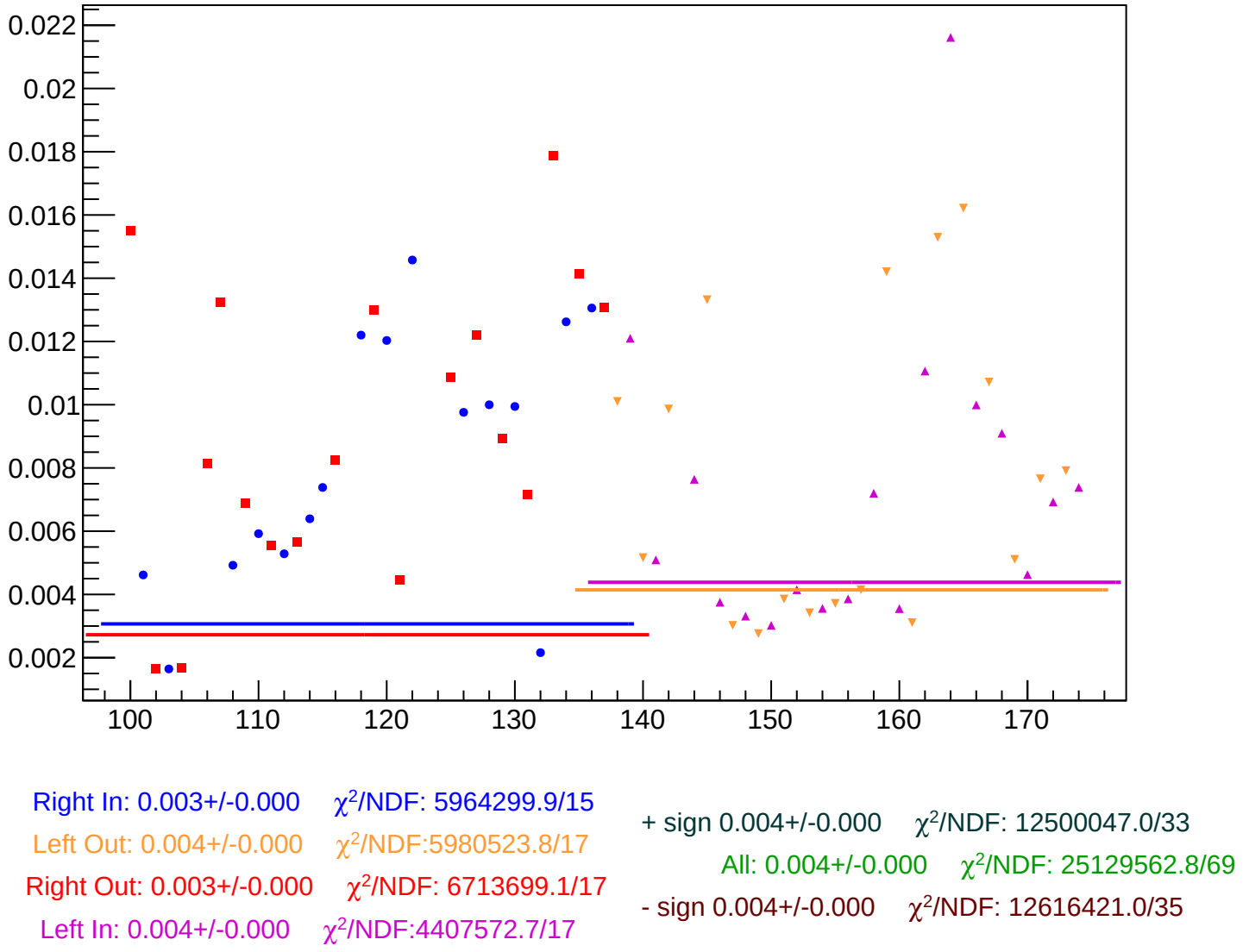
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:12.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 45.7/33

All: -0.000+/-0.000 χ^2/NDF: 72.8/69

- sign -0.000+/-0.000 χ^2/NDF: 27.1/35


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
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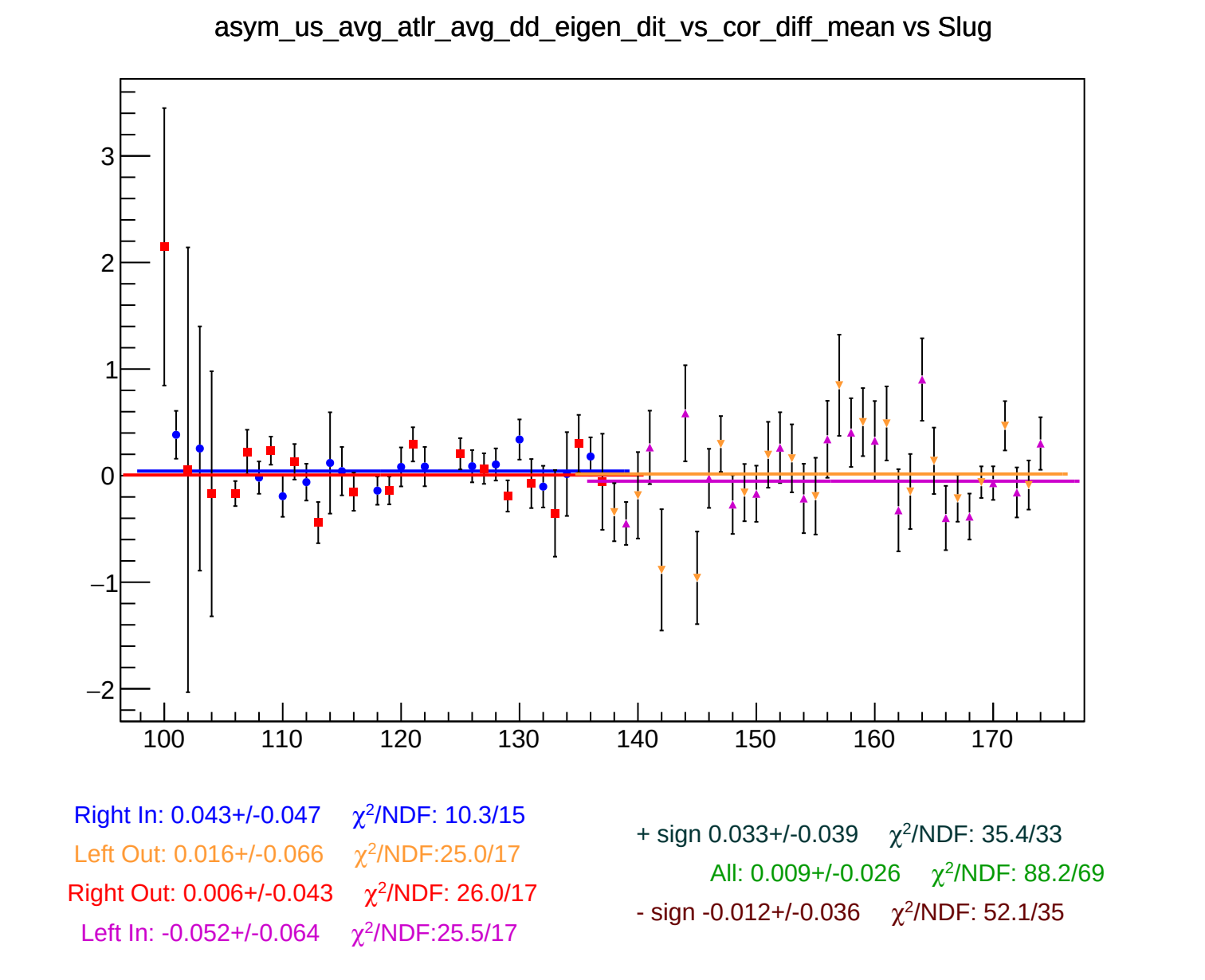
170
Right In: 0.003+/-0.000 χ²/NDF: 5964299.9/15
Left Out: 0.004+/-0.000 χ²/NDF:5980523.8/17
Right Out: 0.003+/-0.000 χ²/NDF: 6713699.1/17
Left In: 0.004+/-0.000 χ²/NDF:4407572.7/17
+ sign 0.004+/-0.000 χ²/NDF: 12500047.0/33
All: 0.004+/-0.000 χ²/NDF: 25129562.8/69
- sign 0.004+/-0.000 χ²/NDF: 12616421.0/35


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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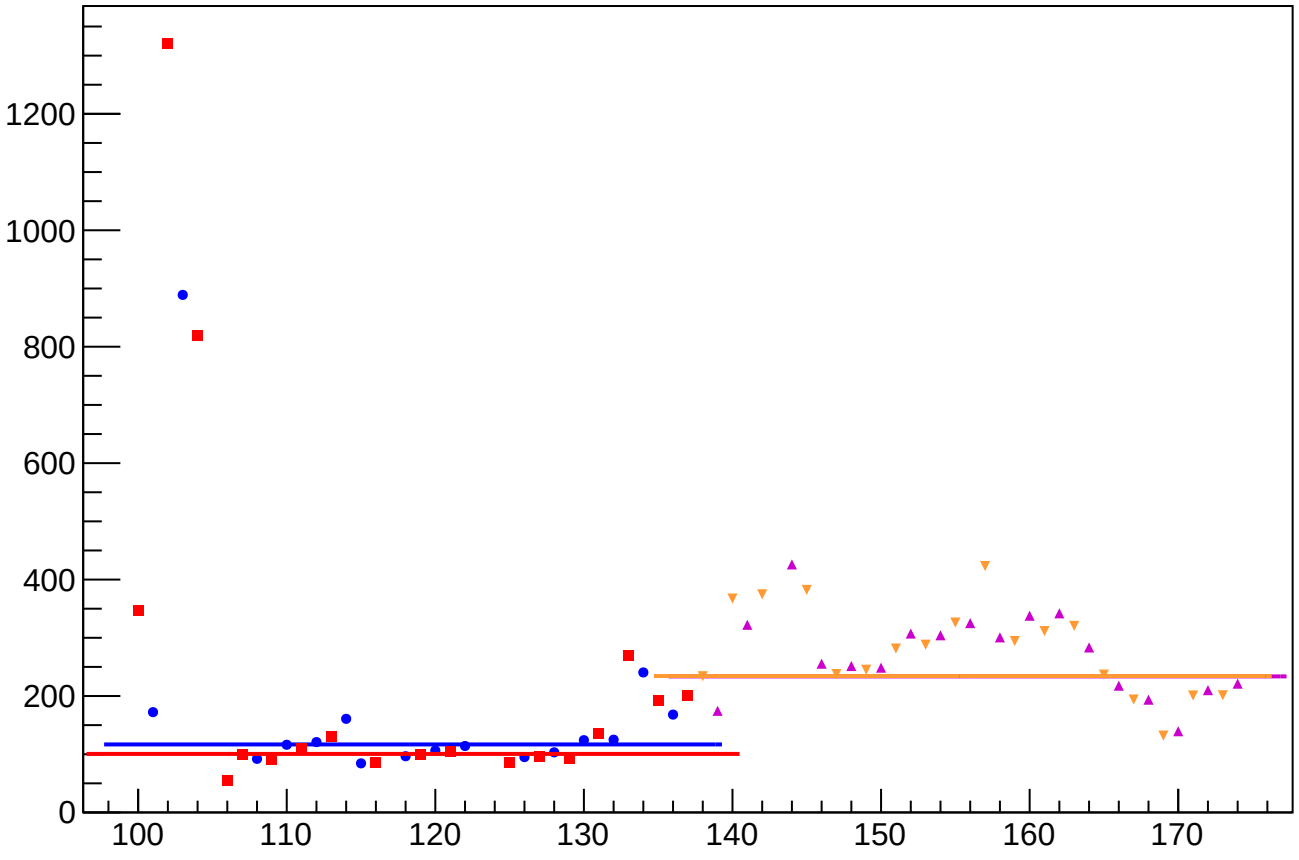
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.016+/-0.066 χ²/NDF:25.0/17
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.052+/-0.064 χ²/NDF:25.5/17
+ sign 0.033+/-0.039 χ²/NDF: 35.4/33
All: 0.009+/-0.026 χ²/NDF: 88.2/69
- sign -0.012+/-0.036 χ²/NDF: 52.1/35



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 234.310+/-0.047 χ^2/NDF:2517090.3/17

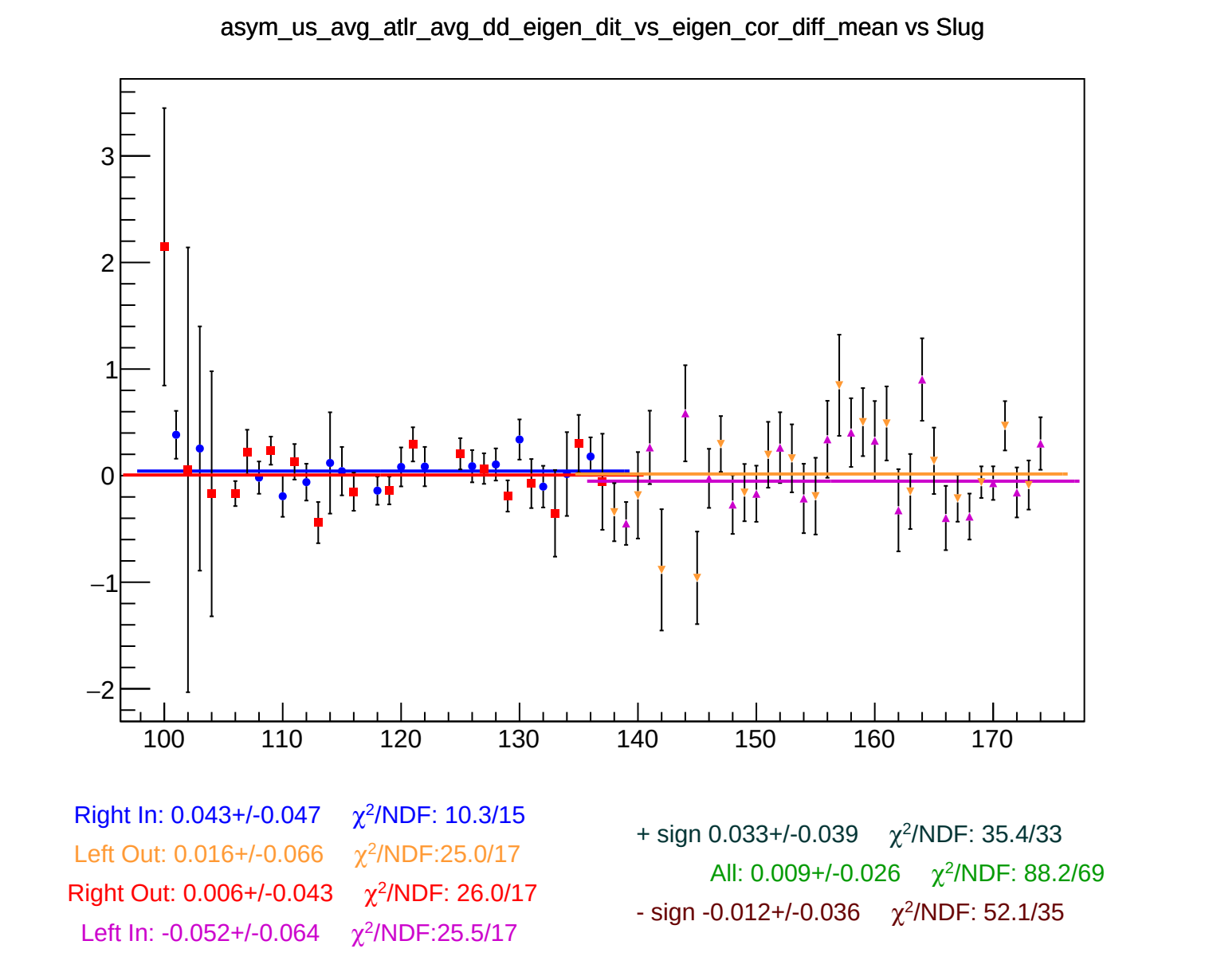
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 233.690+/-0.045 χ^2/NDF:2266313.2/17

+ sign 156.839+/-0.027 χ^2/NDF: 8308832.9/33

All: 149.039+/-0.019 χ^2/NDF: 19294911.9/69

- 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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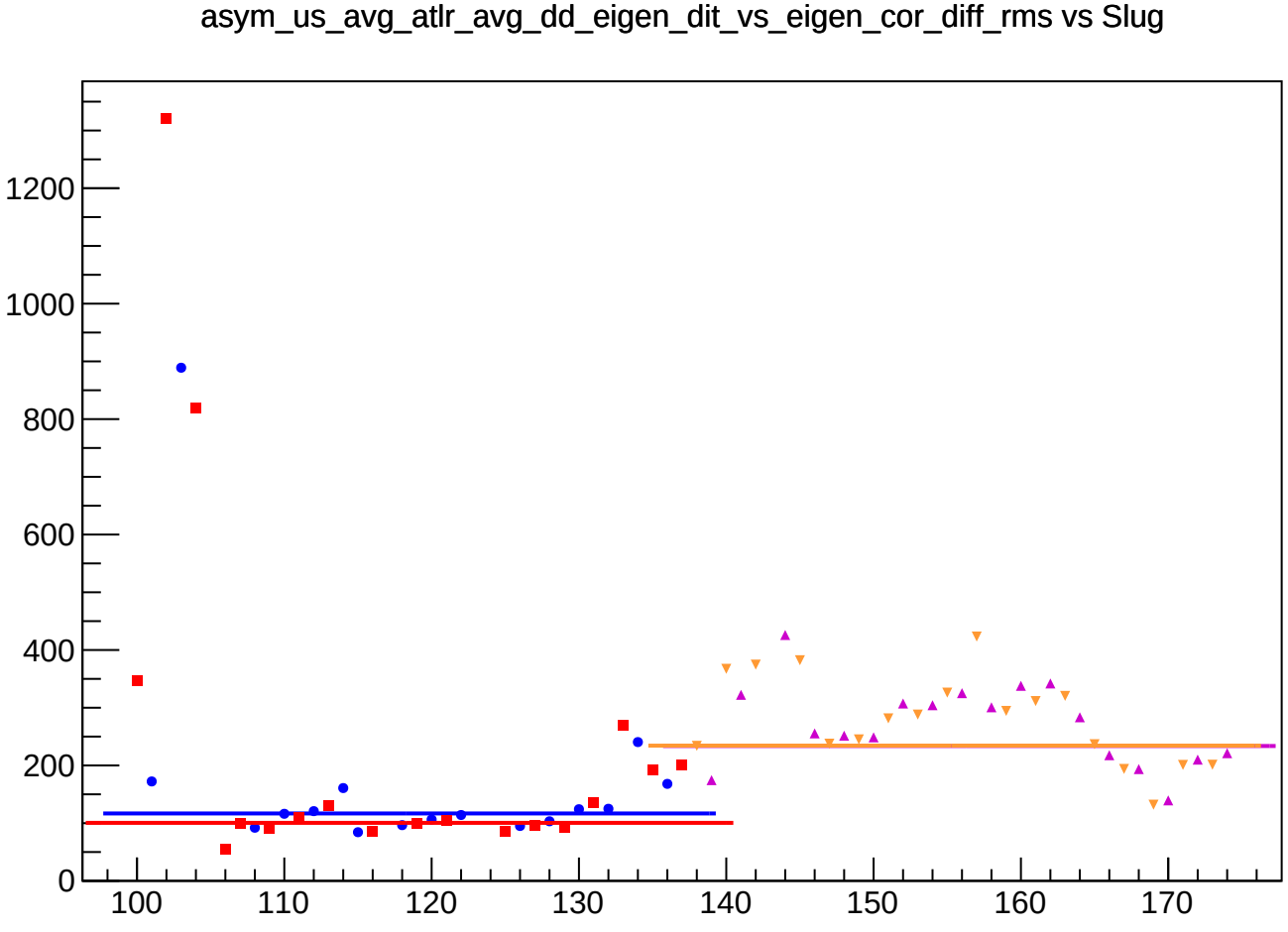
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.016+/-0.066 χ²/NDF:25.0/17
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.052+/-0.064 χ²/NDF:25.5/17
+ sign 0.033+/-0.039 χ²/NDF: 35.4/33
All: 0.009+/-0.026 χ²/NDF: 88.2/69
- sign -0.012+/-0.036 χ²/NDF: 52.1/35



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 234.310+/-0.047 χ^2/NDF:2517090.3/17

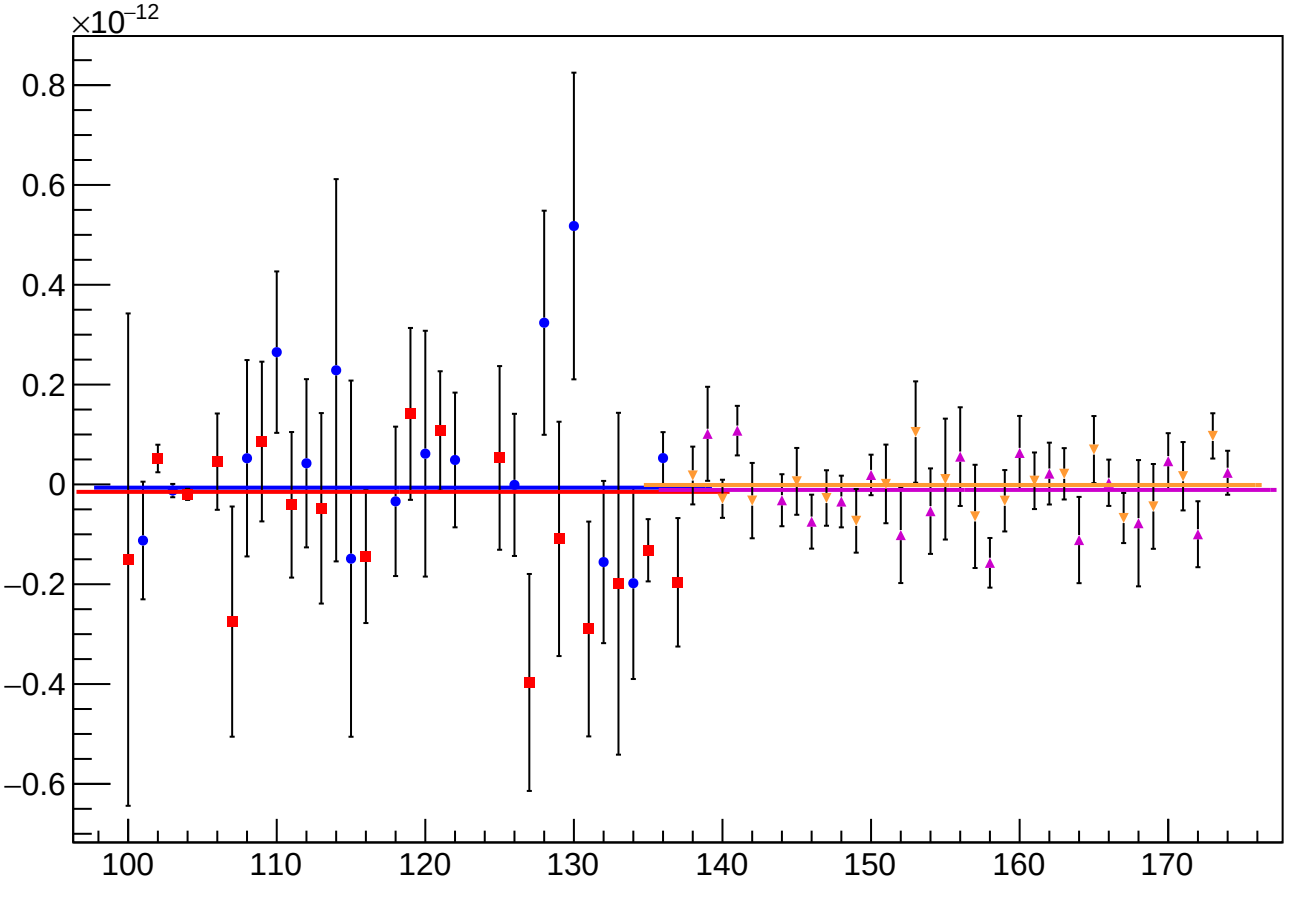
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 233.690+/-0.045 χ^2/NDF:2266313.2/17

+ sign 156.839+/-0.027 χ^2/NDF: 8308832.9/33

All: 149.039+/-0.019 χ^2/NDF: 19294911.9/69

- sign 142.255+/-0.025 χ^2/NDF: 10832956.0/35



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/17

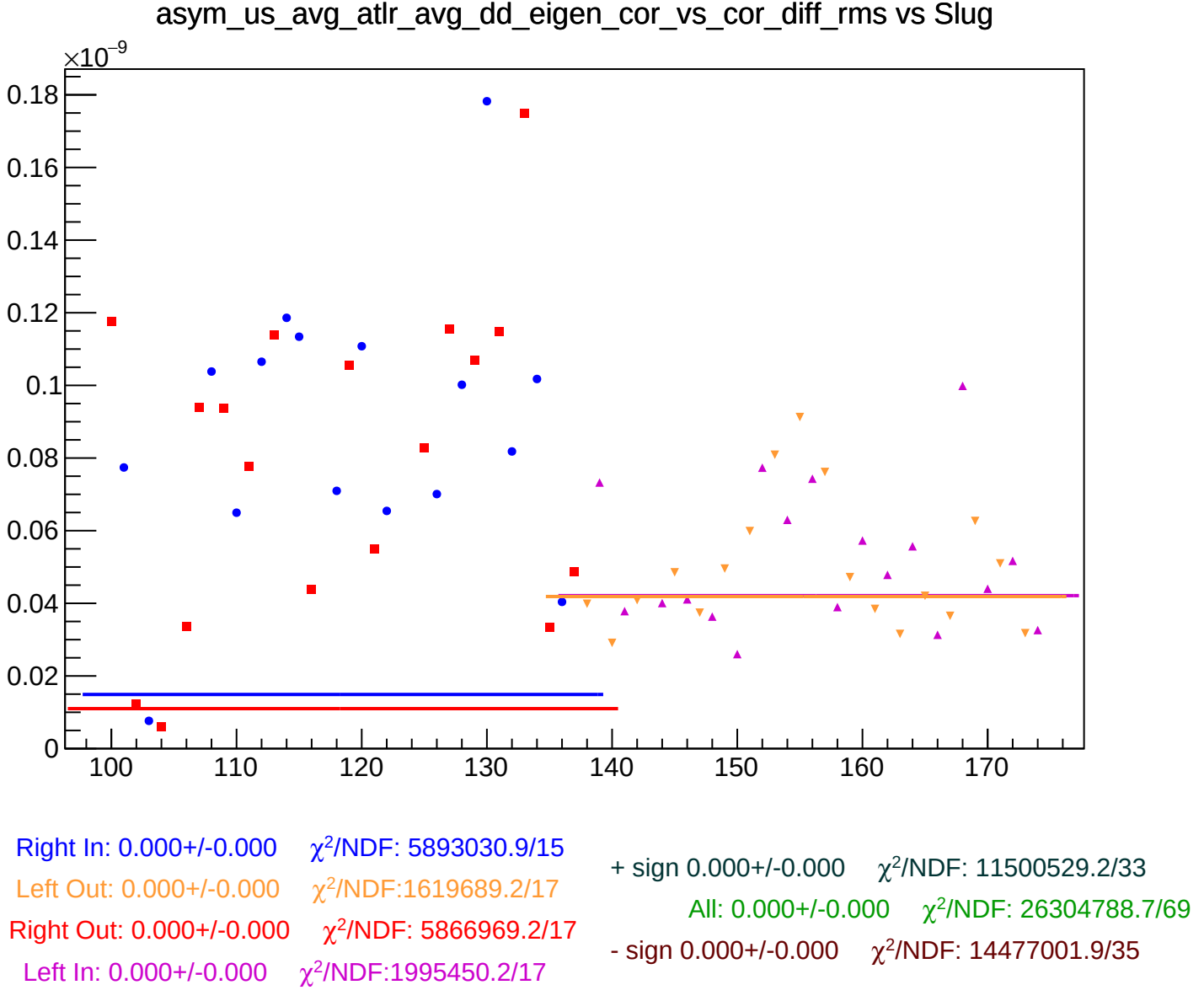
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: -0.000+/-0.000 χ^2/NDF:26.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 25.2/33

All: -0.000+/-0.000 χ^2/NDF: 73.9/69

- sign -0.000+/-0.000 χ^2/NDF: 48.1/35


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
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0.14
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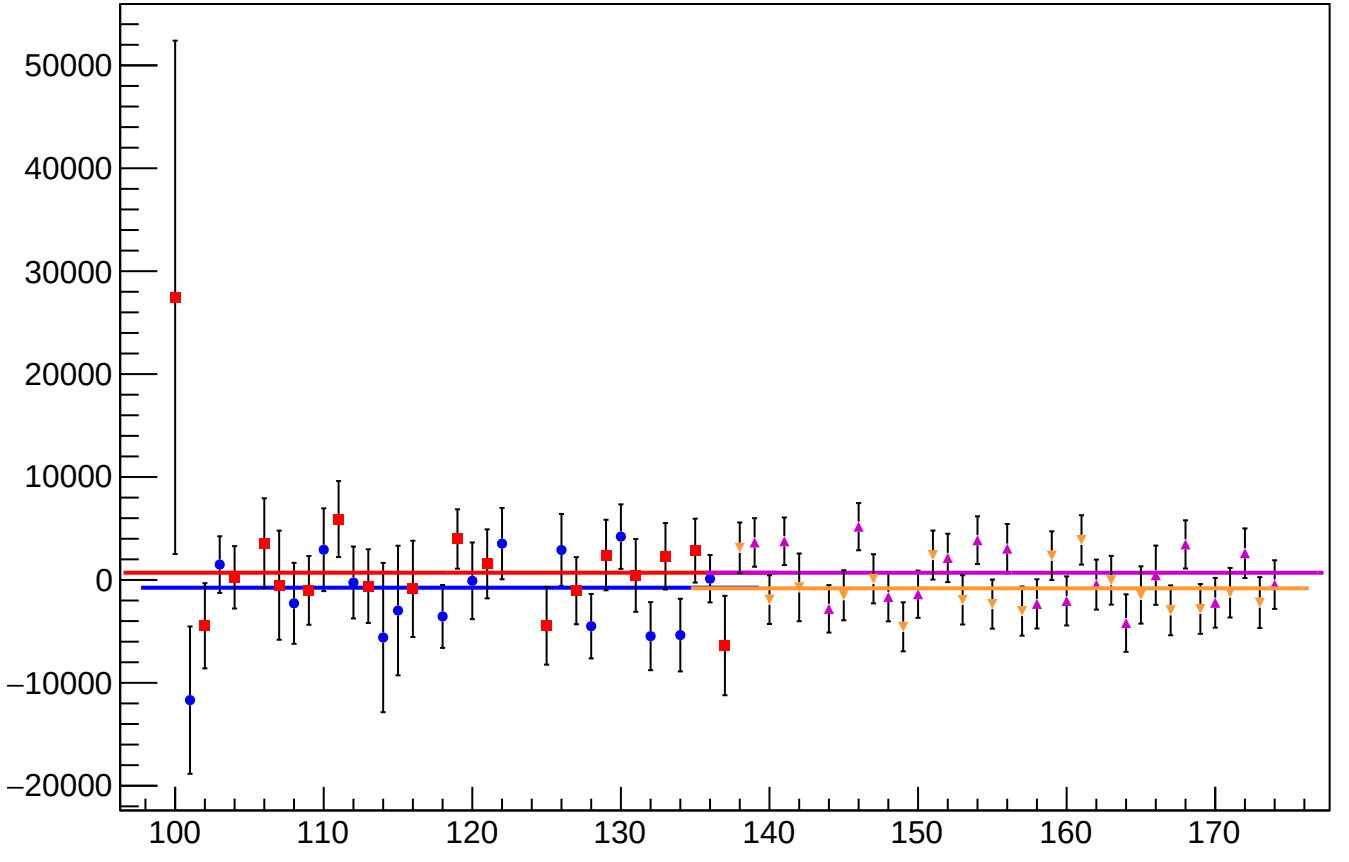
170
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1619689.2/17
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:1995450.2/17
+ sign 0.000+/-0.000 χ²/NDF: 11500529.2/33
All: 0.000+/-0.000 χ²/NDF: 26304788.7/69
- sign 0.000+/-0.000 χ²/NDF: 14477001.9/35

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -814.326+/-577.854 χ^2/NDF:16.4/17

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

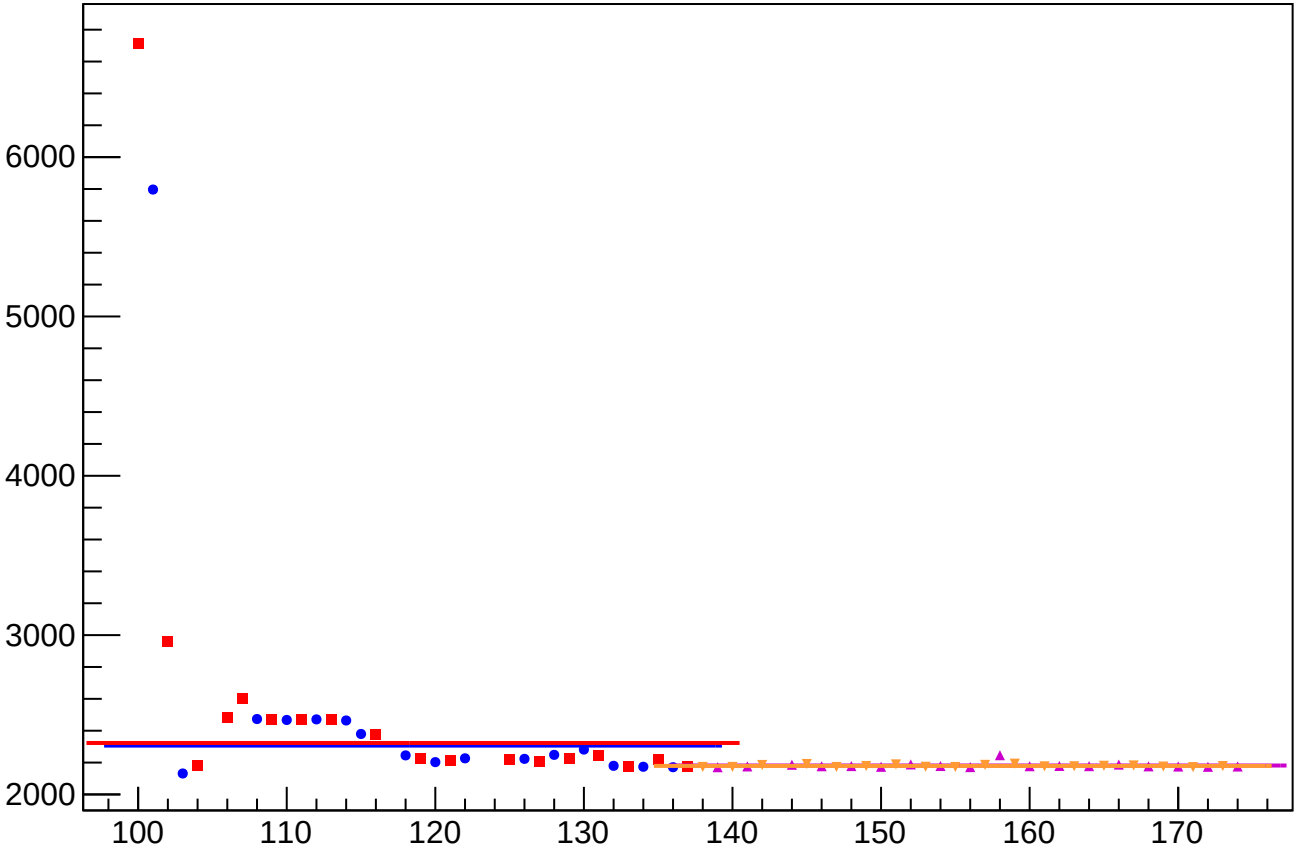
Left In: 698.112+/-565.492 χ^2/NDF:24.3/17

+ sign -796.026+/-481.798 χ^2/NDF: 32.3/33

All: -36.016+/-337.861 χ^2/NDF: 73.9/69

- 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: 2178.960+/-0.409 χ^2/NDF:274.5/17

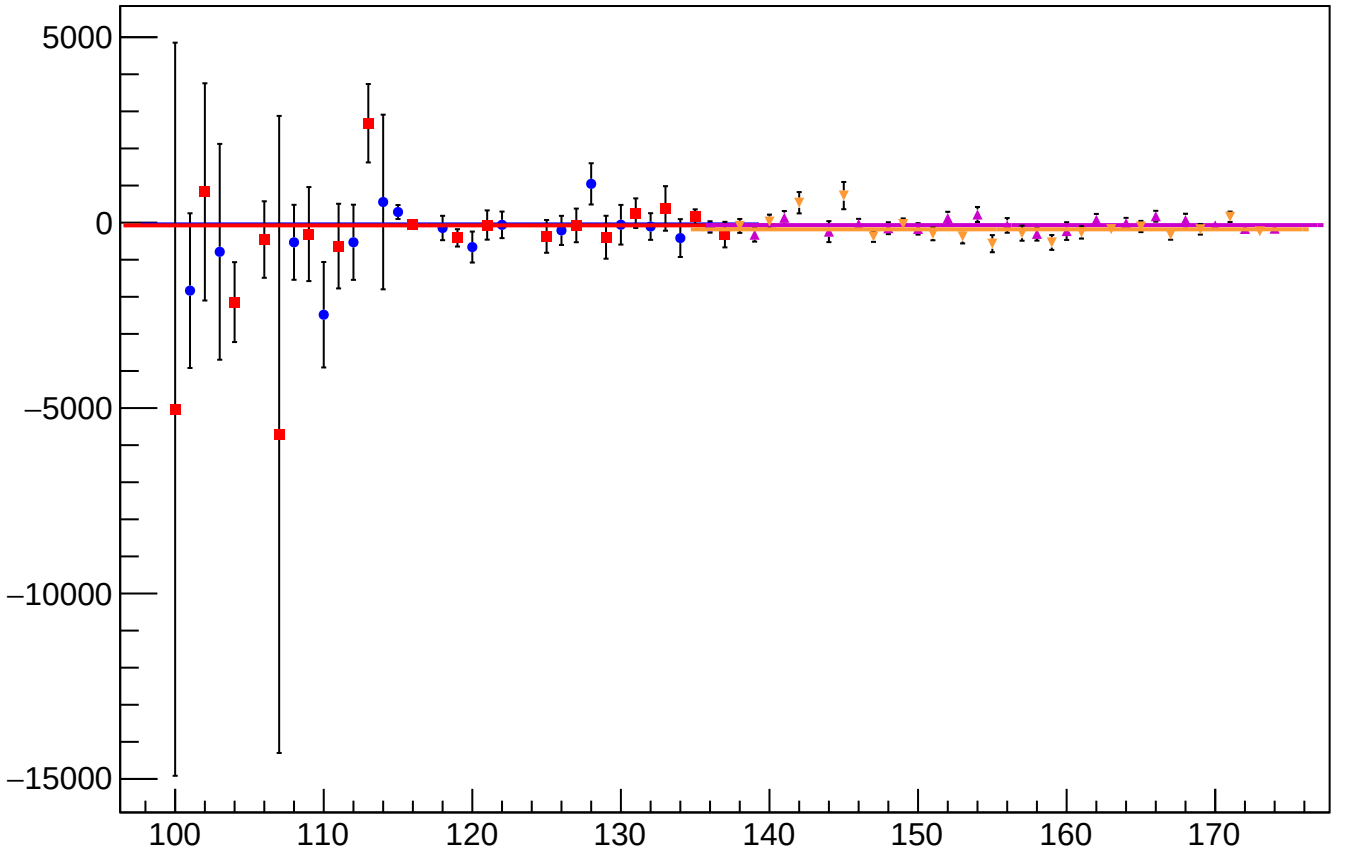
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2181.522+/-0.400 χ^2/NDF:1699.6/17

+ sign 2217.881+/-0.341 χ^2/NDF: 544190.0/33

All: 2220.807+/-0.239 χ^2/NDF: 735089.8/69

- 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: -180.849+/-38.829 χ^2/NDF:31.7/17

Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

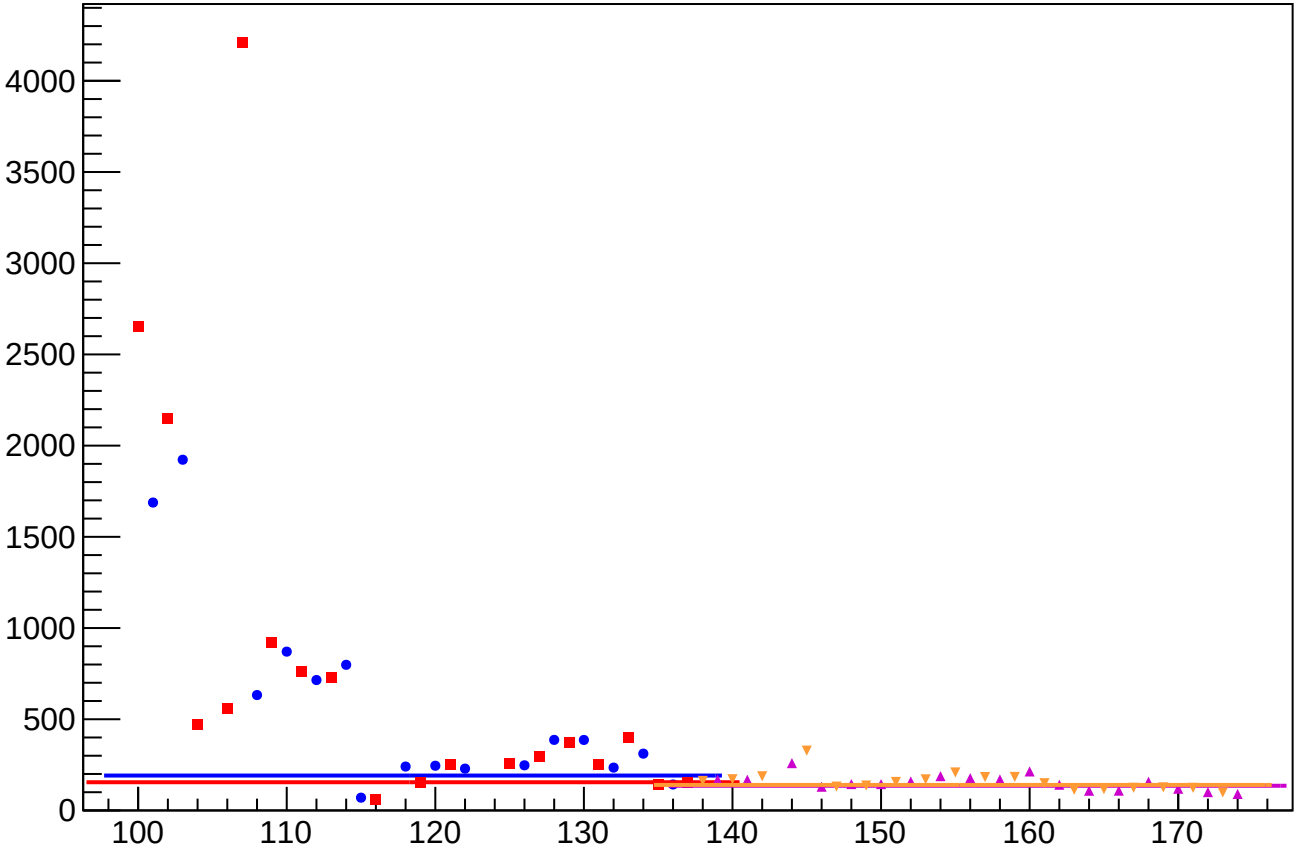
Left In: -66.874+/-36.930 χ^2/NDF:15.5/17

+ sign -160.343+/-35.709 χ^2/NDF: 47.9/33

All: -111.552+/-24.508 χ^2/NDF: 84.6/69

- sign -68.100+/-33.699 χ^2/NDF: 33.2/35

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 139.960+/-0.027 χ^2/NDF:1564344.8/17

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

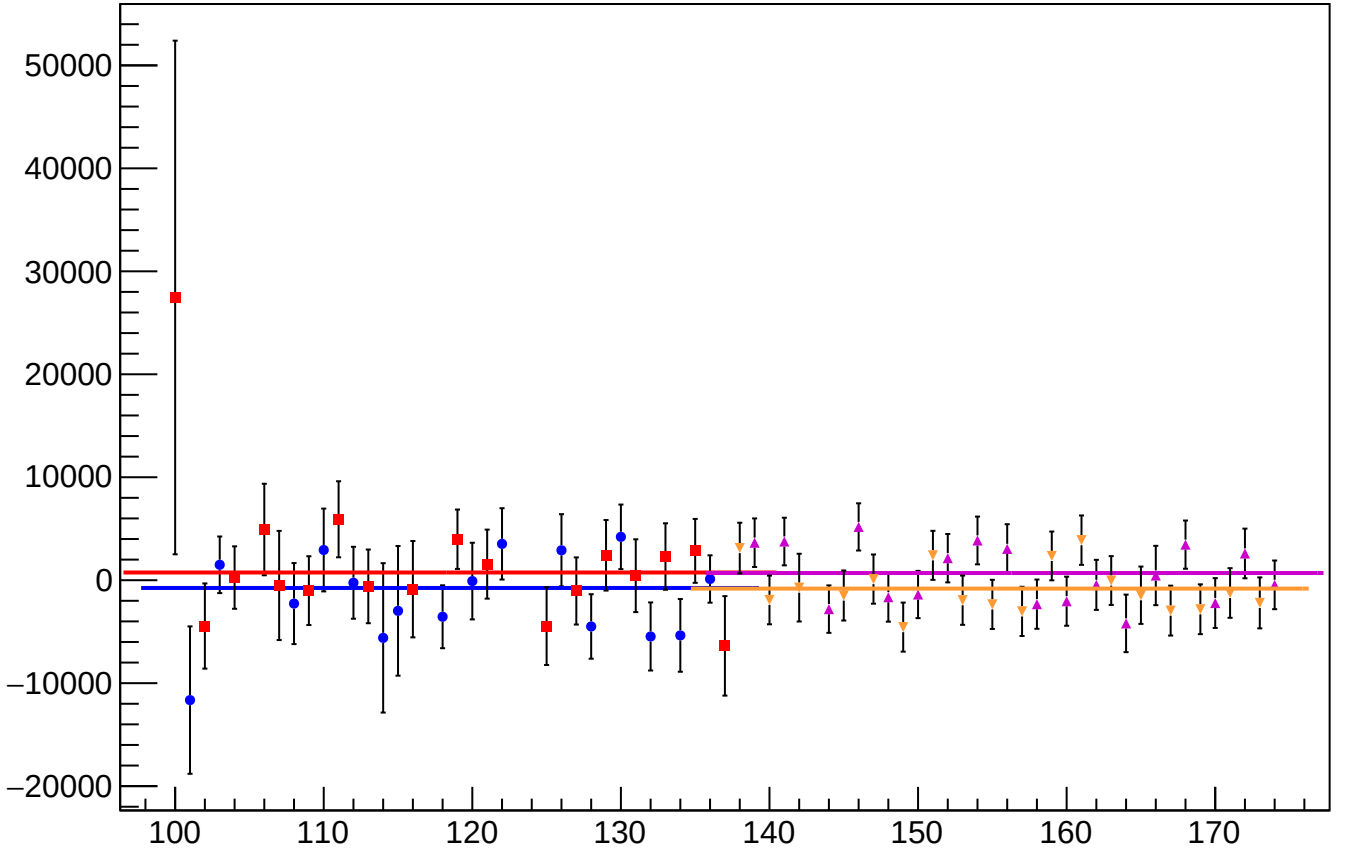
Left In: 135.401+/-0.026 χ^2/NDF:1865418.4/17

+ sign 147.892+/-0.025 χ^2/NDF: 7170190.4/33

All: 142.991+/-0.017 χ^2/NDF: 15352287.5/69

- 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: -814.300+/-577.854 χ^2/NDF:16.4/17

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

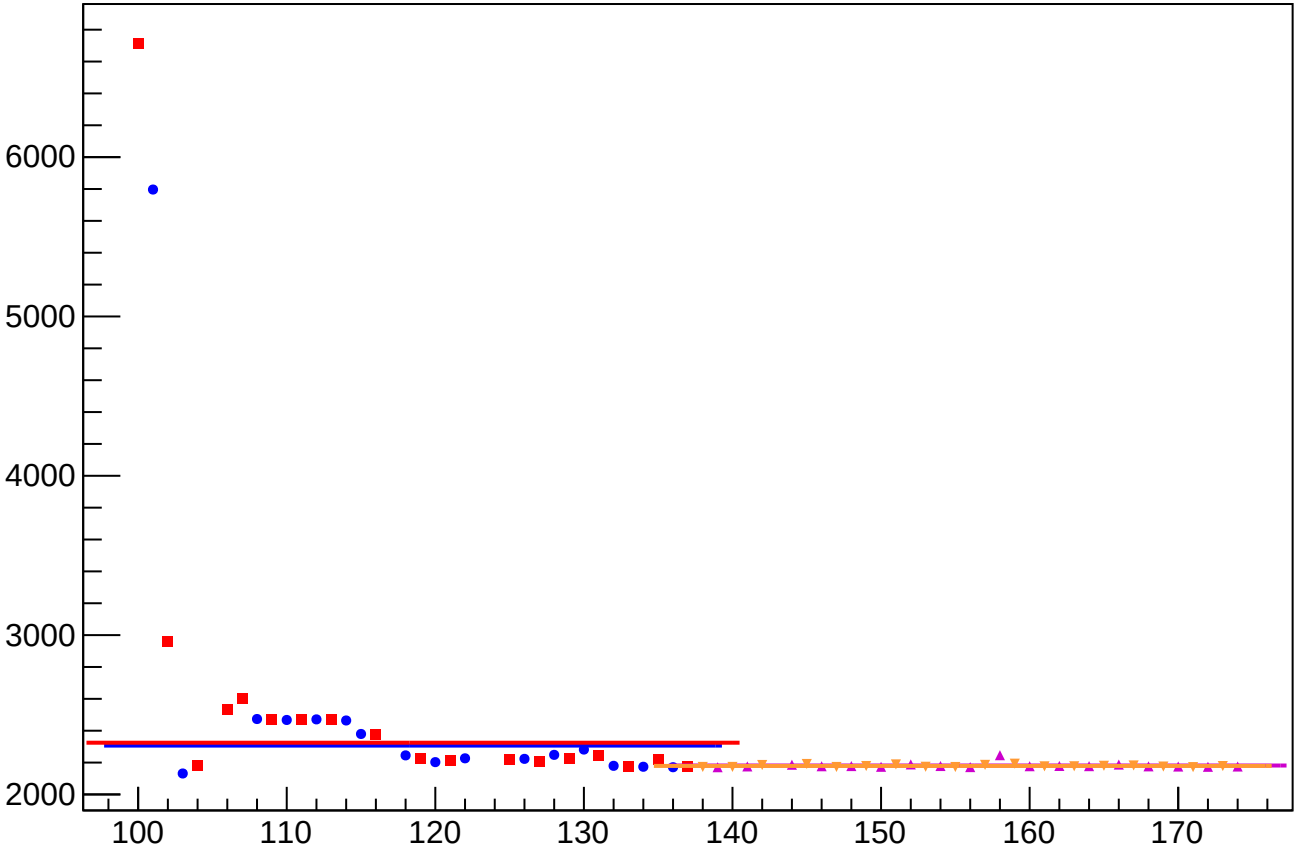
Left In: 698.060+/-565.492 χ^2/NDF:24.3/17

\+ sign -795.713+/-481.798 χ^2/NDF: 32.3/33

All: -28.947+/-337.904 χ^2/NDF: 74.4/69

\- sign 713.299+/-474.032 χ^2/NDF: 37.2/35

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.960+/-0.409 χ^2/NDF:274.5/17

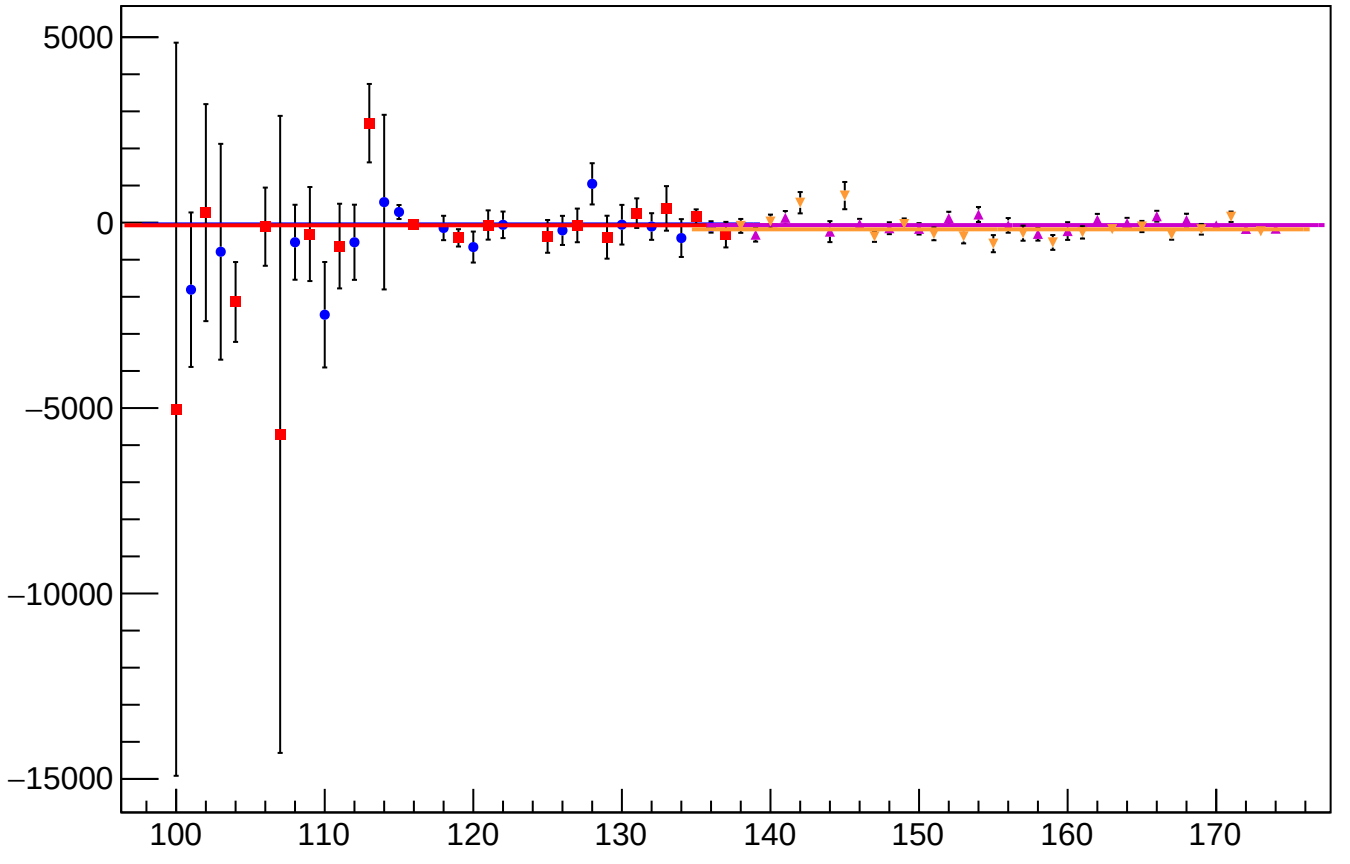
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.522+/-0.400 χ^2/NDF:1699.6/17

+ sign 2217.881+/-0.341 χ^2/NDF: 544190.3/33

All: 2221.034+/-0.239 χ^2/NDF: 737748.0/69

- 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: -180.825+/-38.831 χ^2/NDF:31.7/17

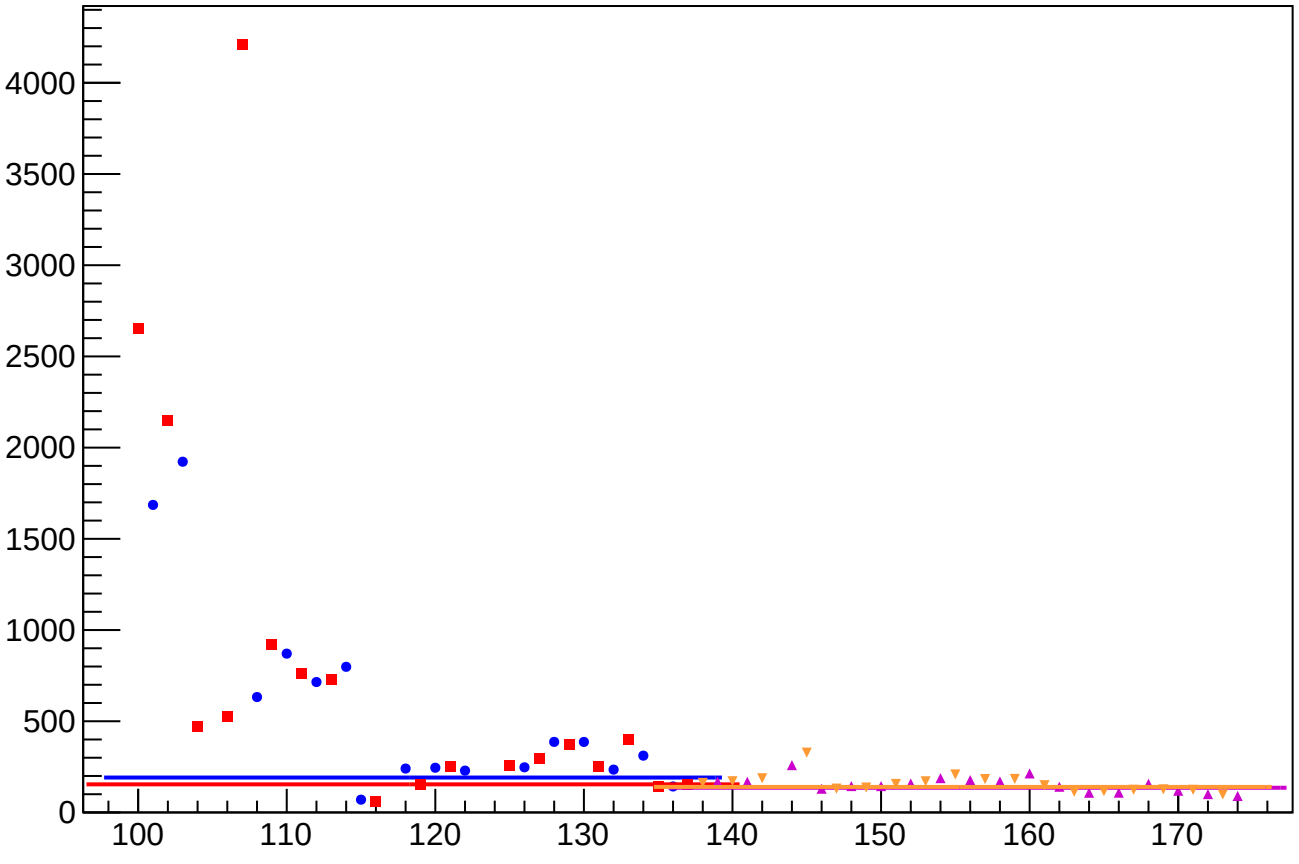
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -66.832+/-36.932 χ^2/NDF:15.5/17

+ sign -160.328+/-35.711 χ^2/NDF: 47.9/33

All: -111.344+/-24.508 χ^2/NDF: 84.4/69

- 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: 139.969+/-0.027 χ^2/NDF:1563873.4/17

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

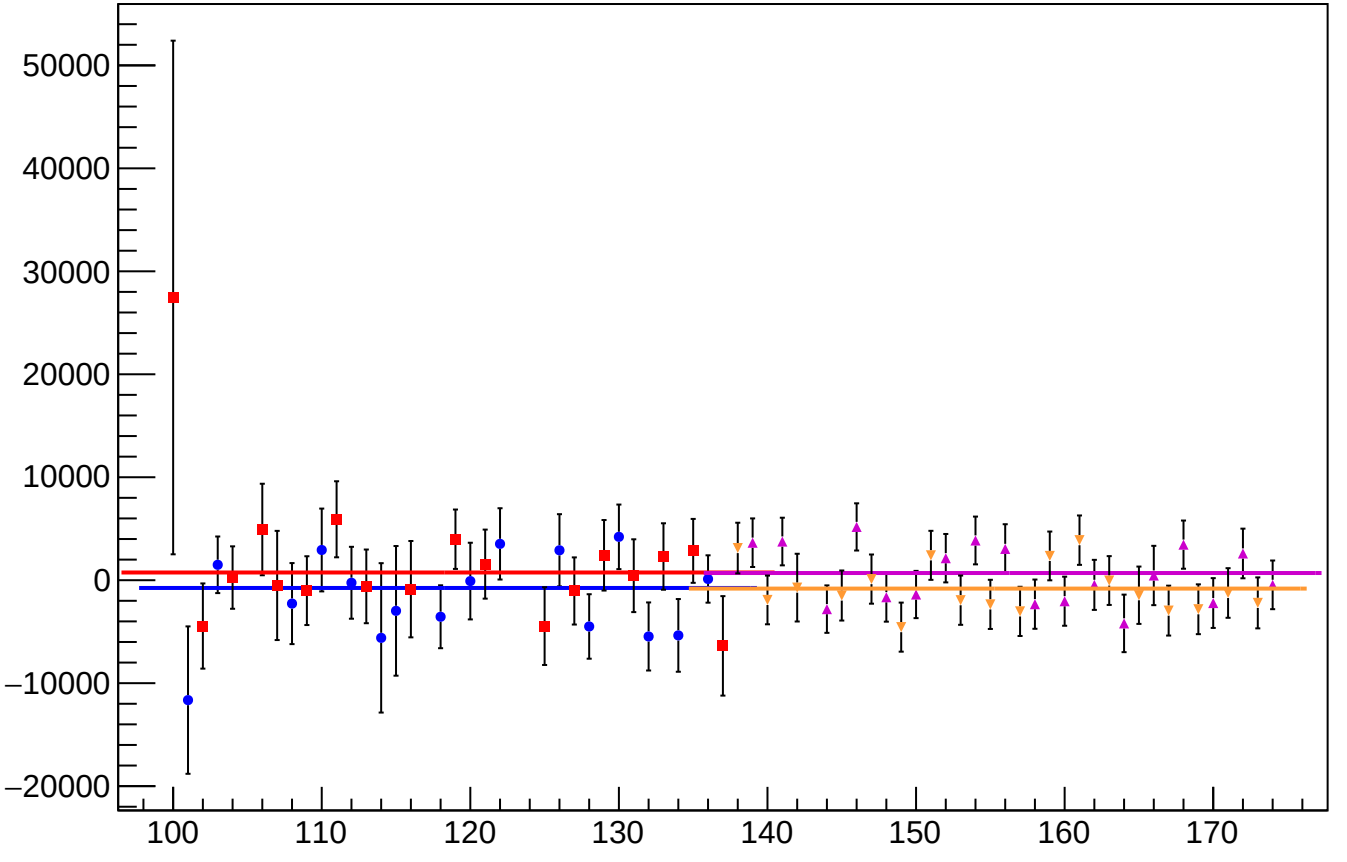
Left In: 135.410+/-0.026 χ^2/NDF:1865752.5/17

+ sign 147.904+/-0.025 χ^2/NDF: 7168825.2/33

All: 142.953+/-0.017 χ^2/NDF: 15301935.0/69

- sign 138.545+/-0.024 χ^2/NDF: 8060433.4/35

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -814.300+/-577.854 χ^2/NDF:16.4/17

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

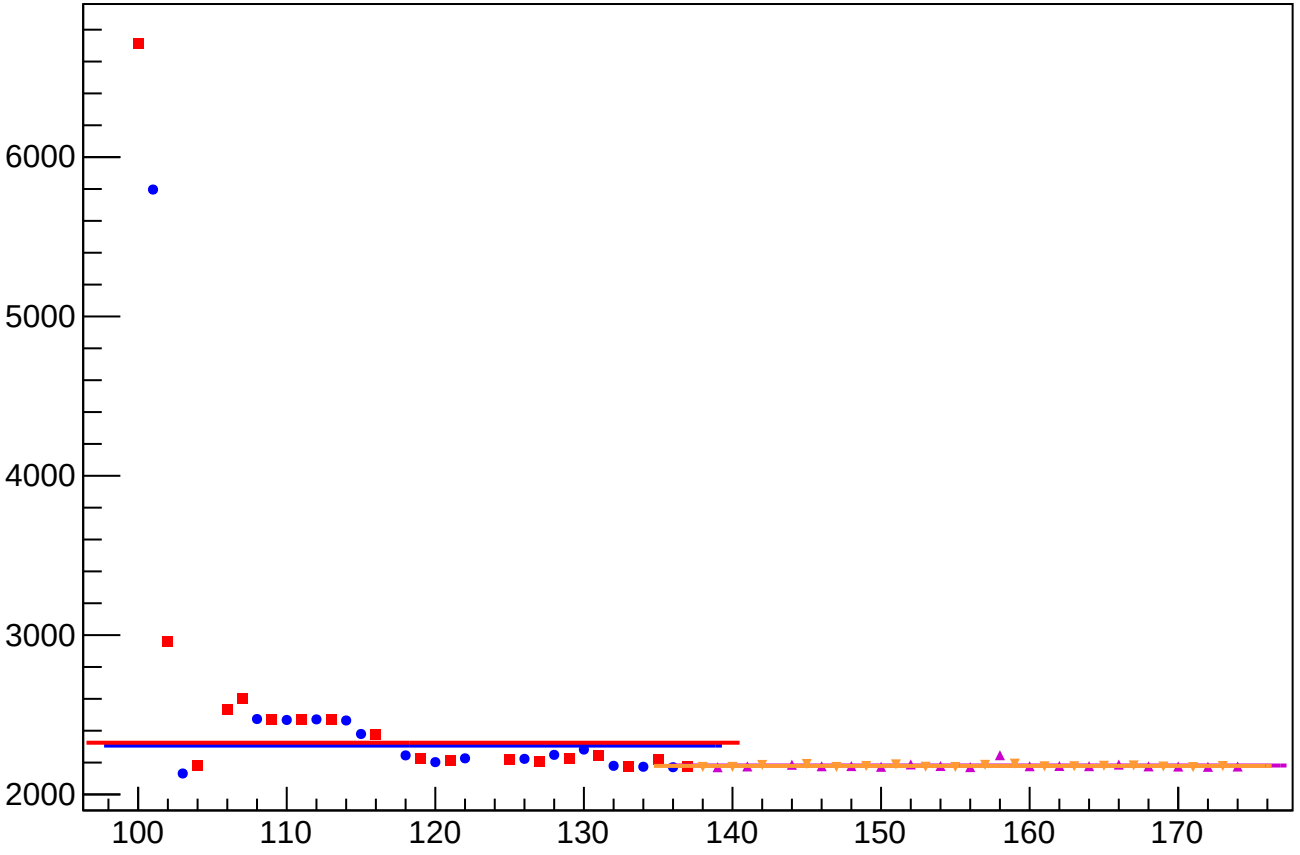
Left In: 698.060+/-565.492 χ^2/NDF:24.3/17

\+ sign -795.713+/-481.798 χ^2/NDF: 32.3/33

All: -28.947+/-337.904 χ^2/NDF: 74.4/69

\- 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: 2178.960+/-0.409 χ^2/NDF:274.5/17

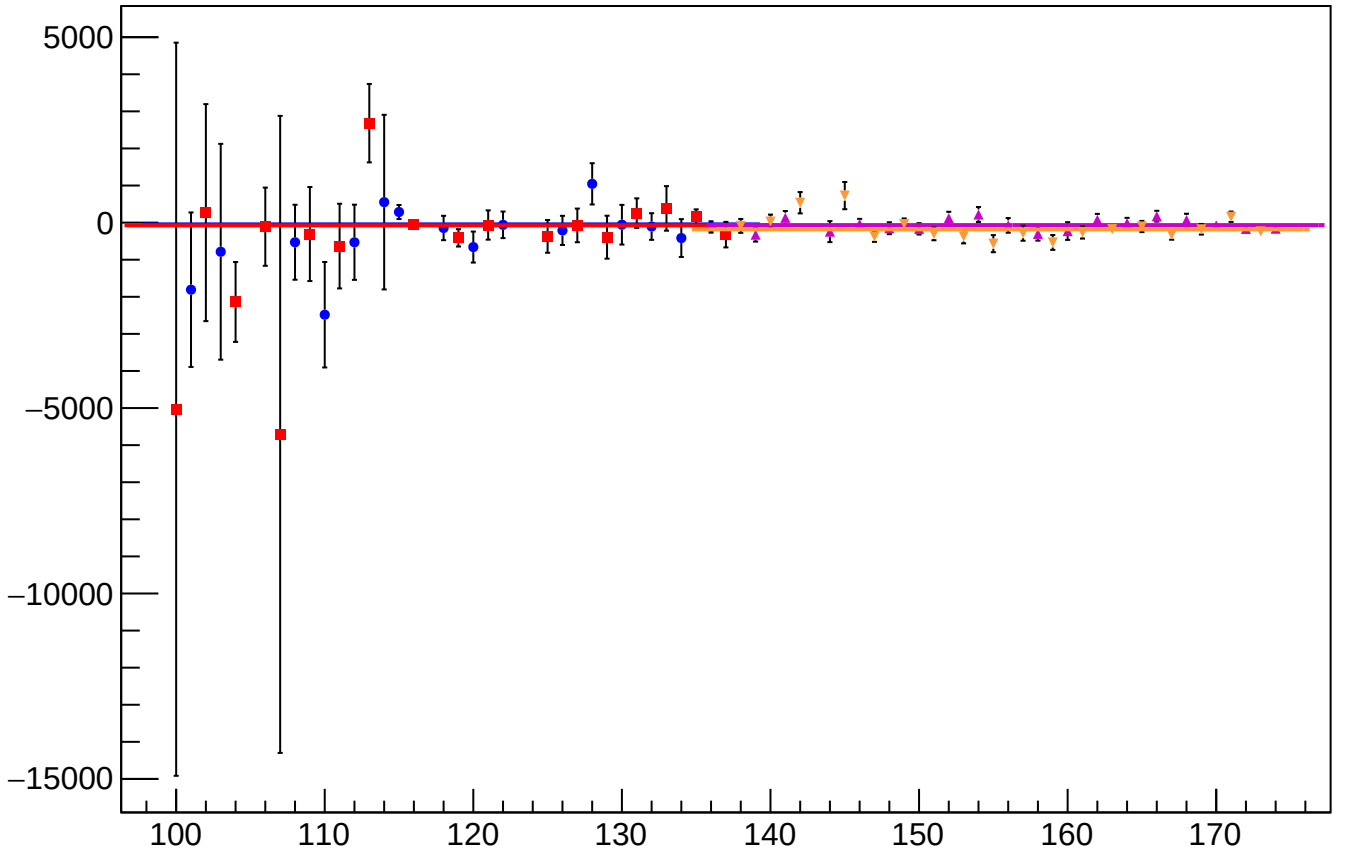
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.522+/-0.400 χ^2/NDF:1699.6/17

+ sign 2217.881+/-0.341 χ^2/NDF: 544190.3/33

All: 2221.034+/-0.239 χ^2/NDF: 737748.0/69

- 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: -180.825+/-38.831 χ^2/NDF:31.7/17

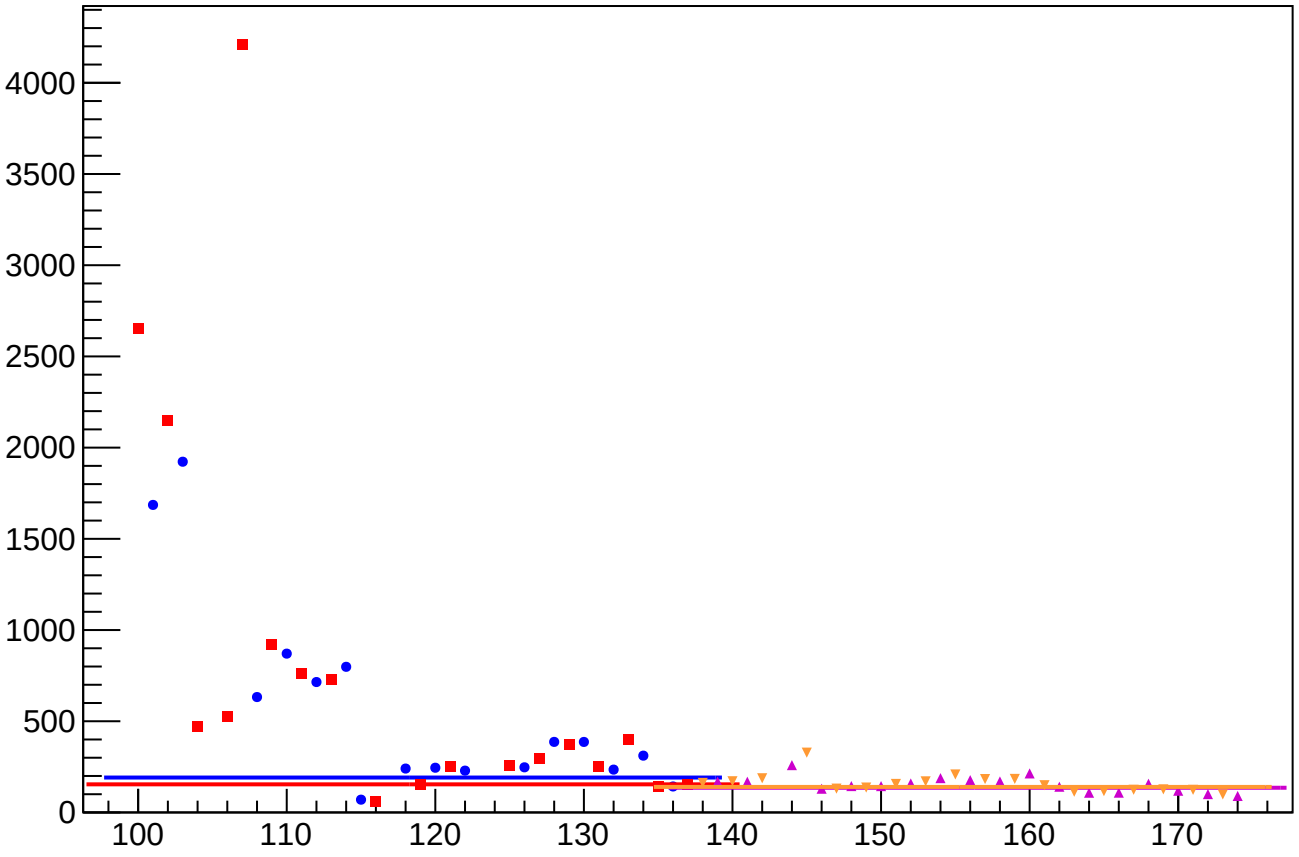
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -66.832+/-36.932 χ^2/NDF:15.5/17

+ sign -160.328+/-35.711 χ^2/NDF: 47.9/33

All: -111.344+/-24.508 χ^2/NDF: 84.4/69

- 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: 139.969+/-0.027 χ^2/NDF:1563873.4/17

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

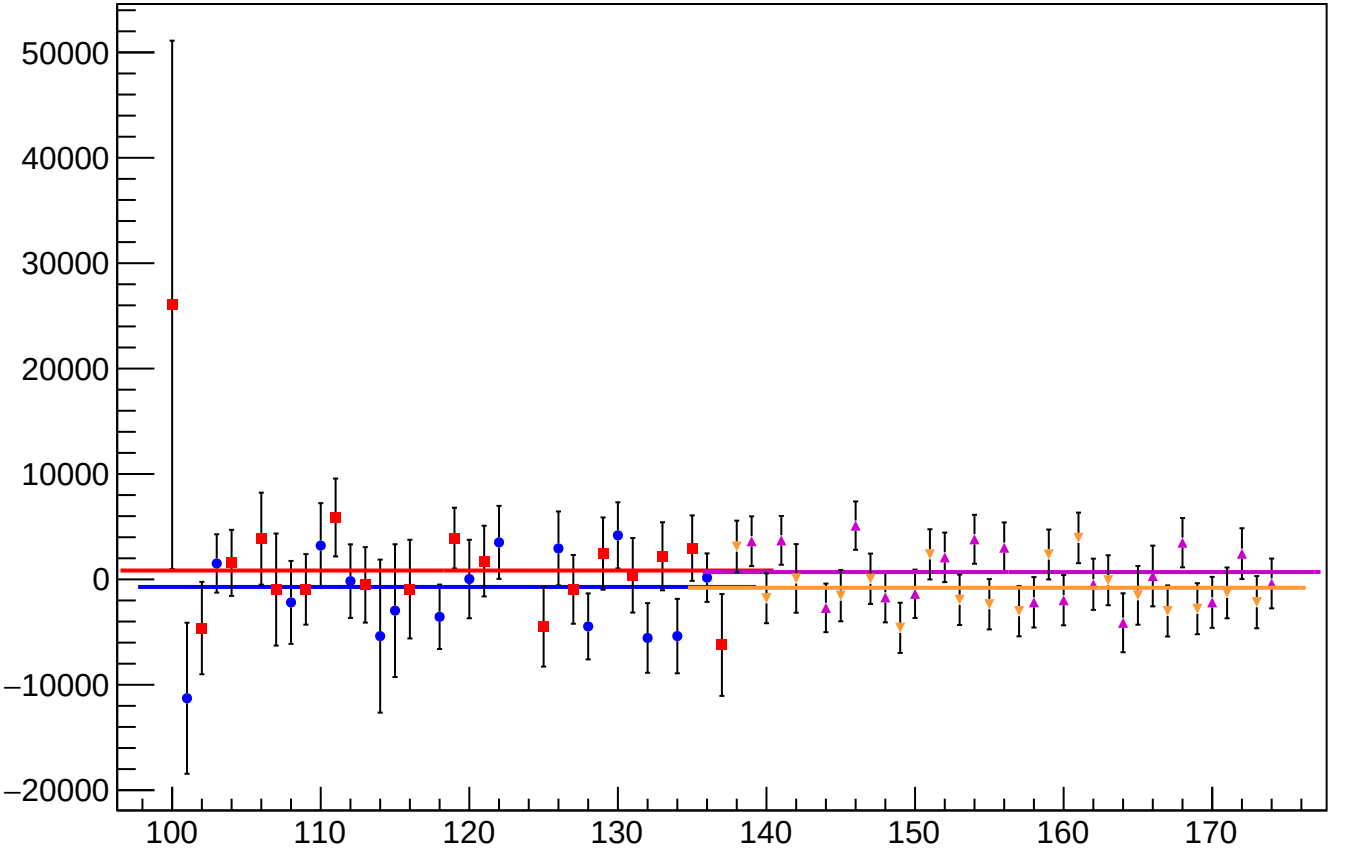
Left In: 135.410+/-0.026 χ^2/NDF:1865752.5/17

+ sign 147.904+/-0.025 χ^2/NDF: 7168825.2/33

All: 142.953+/-0.017 χ^2/NDF: 15301935.0/69

- 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: -794.805+/-577.854 χ^2/NDF:16.5/17

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

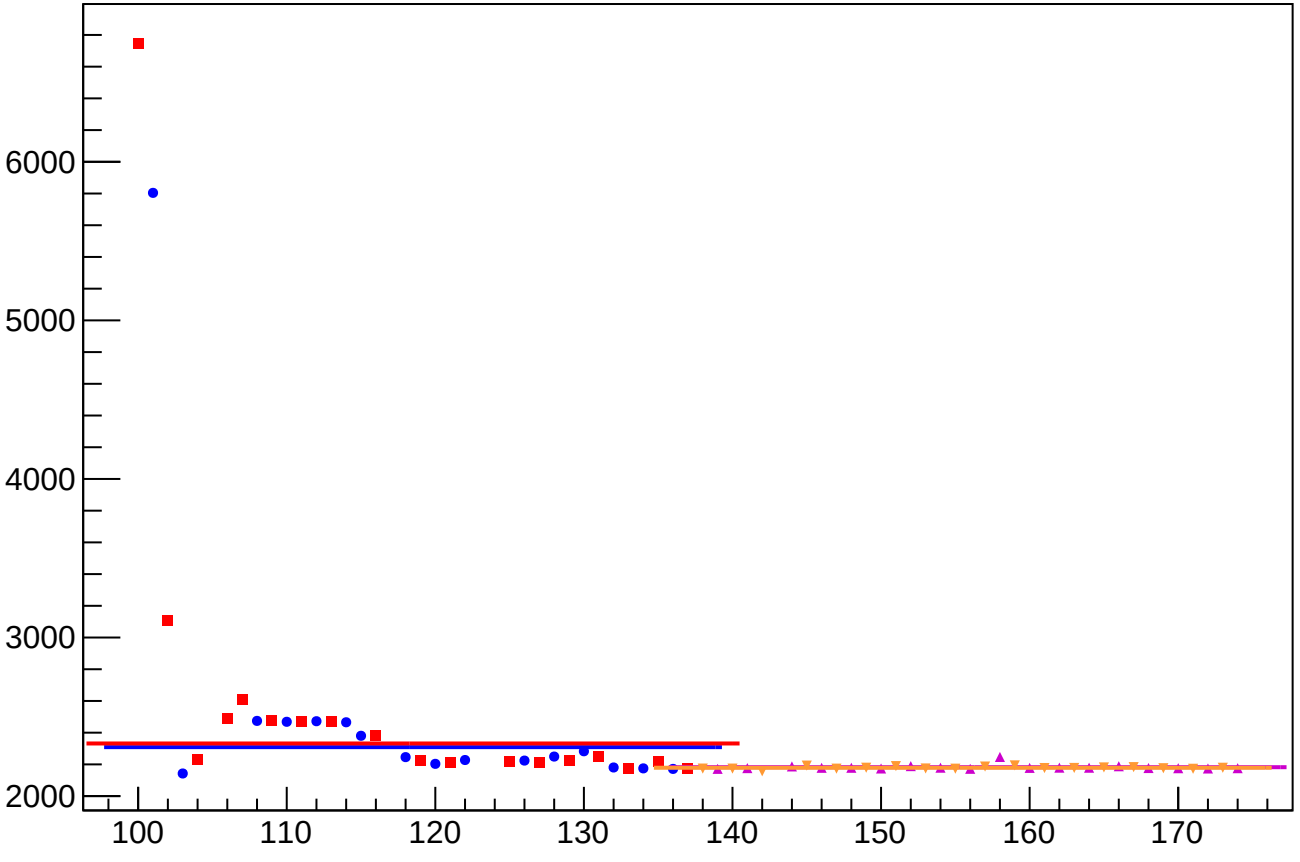
Left In: 694.461+/-565.691 χ^2/NDF:23.5/17

+ sign -771.163+/-481.948 χ^2/NDF: 32.4/33

All: -5.308+/-338.244 χ^2/NDF: 73.0/69

- 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: 2178.779+/-0.409 χ^2/NDF:368.9/17

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

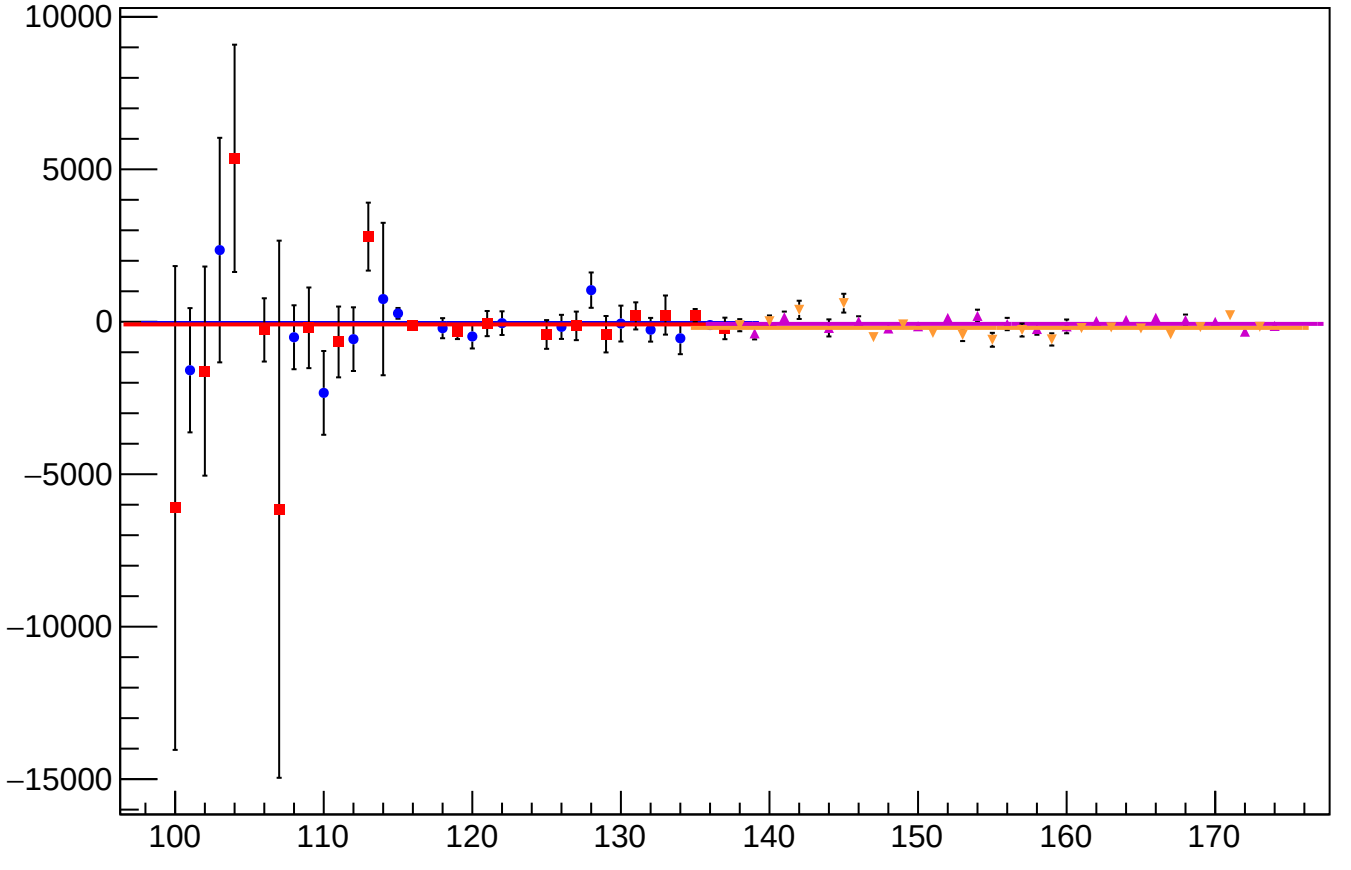
Left In: 2182.292+/-0.400 χ^2/NDF:1693.1/17

+ sign 2218.338+/-0.341 χ^2/NDF: 544903.8/33

All: 2222.468+/-0.239 χ^2/NDF: 755508.5/69

- sign 2226.477+/-0.336 χ^2/NDF: 210315.3/35

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -200.871+/-39.171 χ^2/NDF:36.2/17

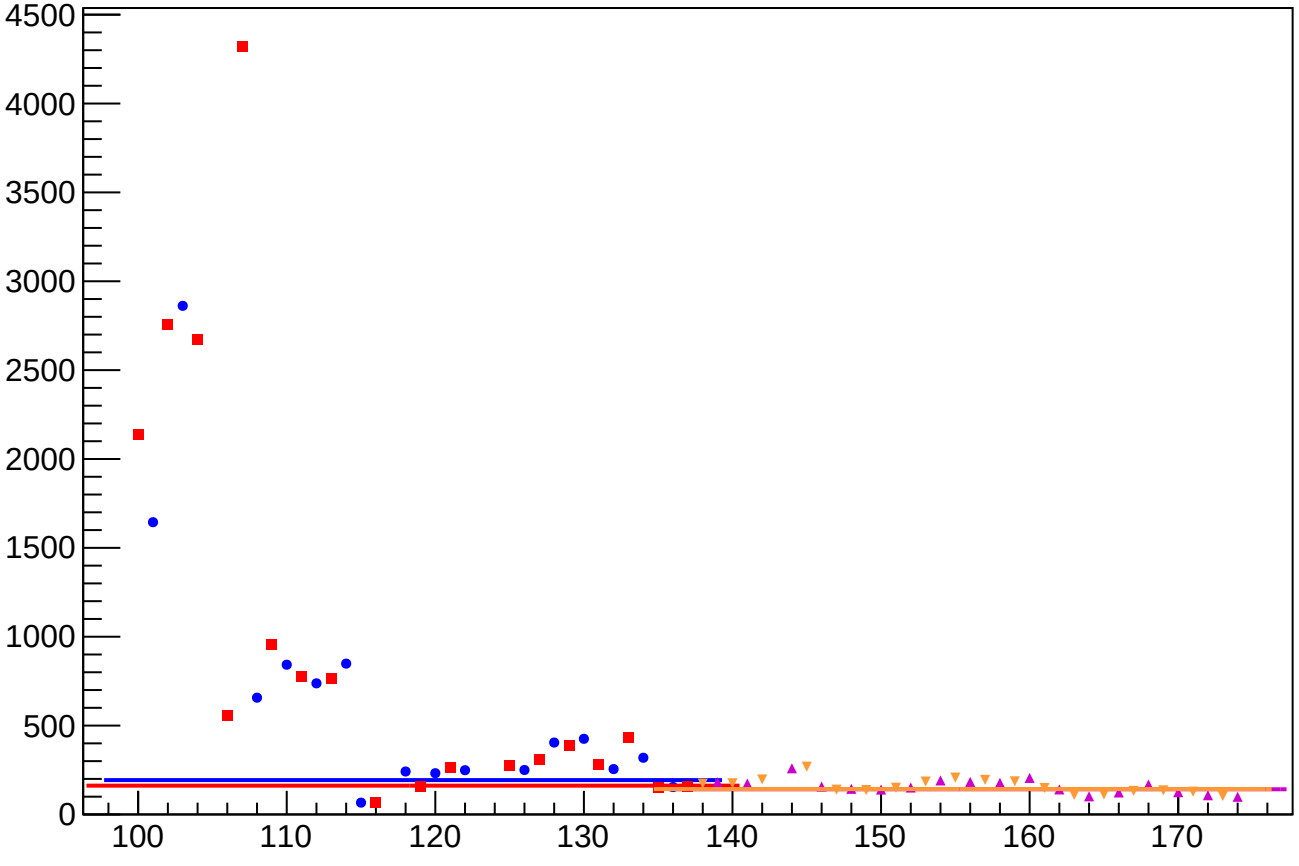
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -69.317+/-37.979 χ^2/NDF:17.8/17

+ sign -176.386+/-36.065 χ^2/NDF: 52.8/33

All: -122.302+/-25.023 χ^2/NDF: 90.0/69

- sign -72.096+/-34.748 χ^2/NDF: 32.8/35



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 142.925+/-0.028 χ^2/NDF:1464612.3/17

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

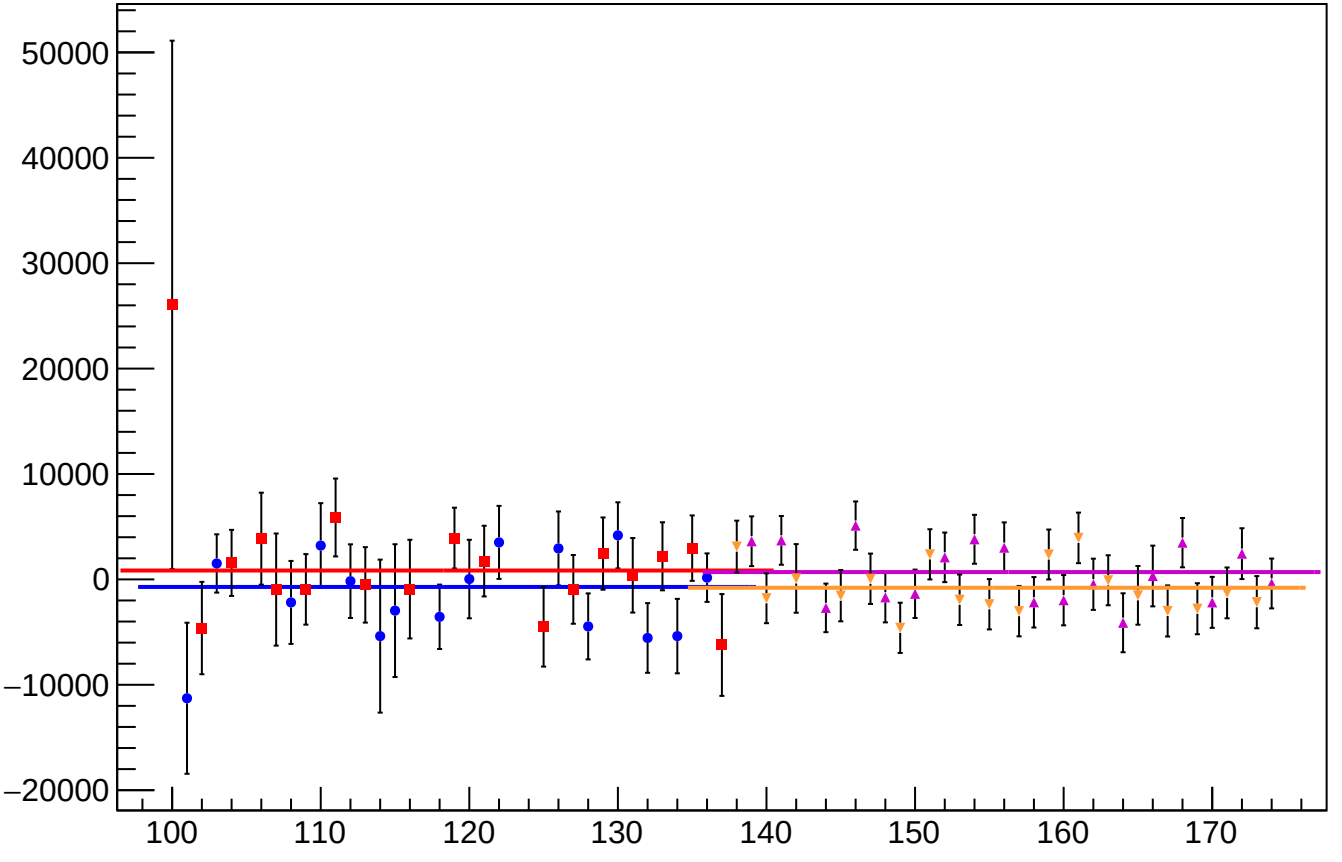
Left In: 141.693+/-0.027 χ^2/NDF:1693601.3/17

+ sign 150.591+/-0.026 χ^2/NDF: 7585372.5/33

All: 147.702+/-0.018 χ^2/NDF: 16468412.1/69

- 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: -794.807+/-577.854 χ^2/NDF:16.5/17

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

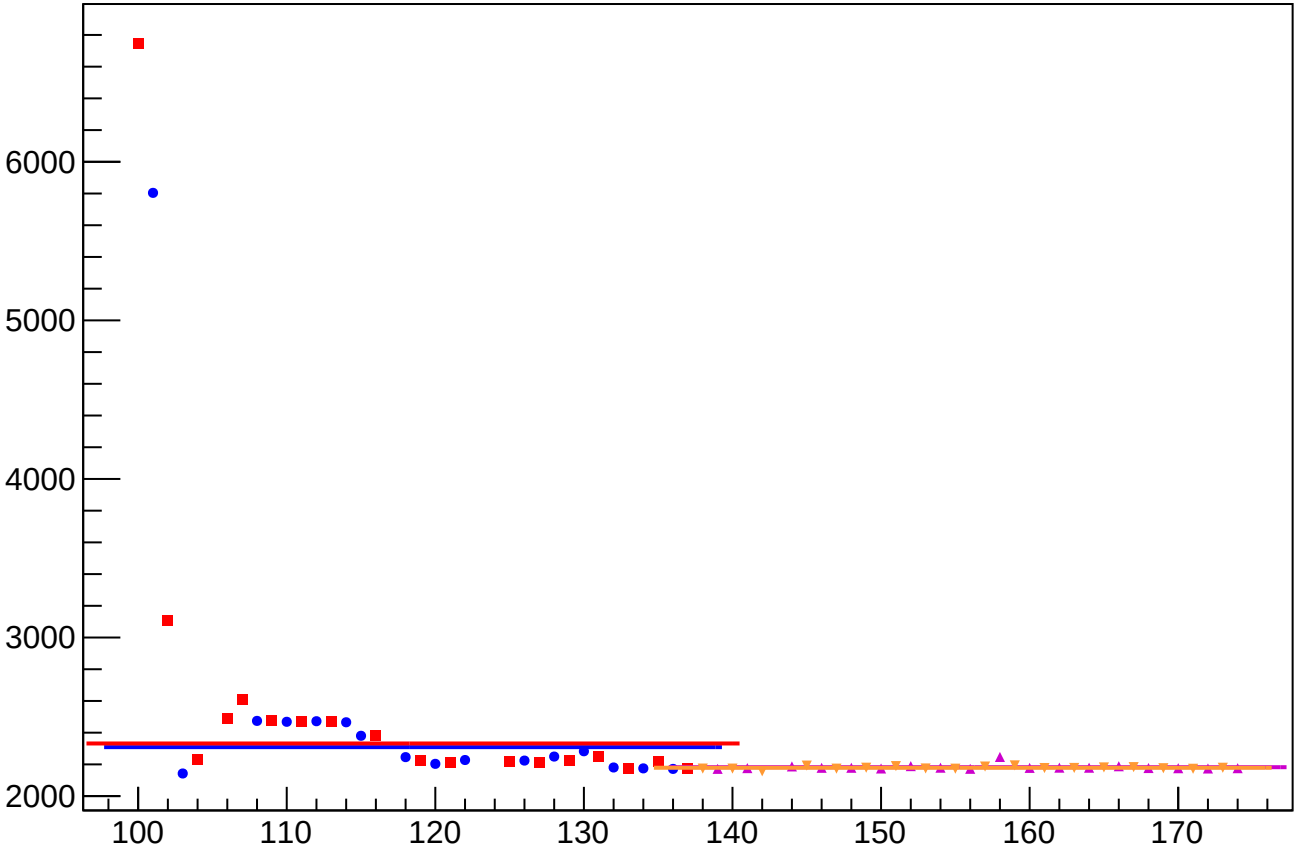
Left In: 694.460+/-565.691 χ^2/NDF:23.5/17

+ sign -771.165+/-481.948 χ^2/NDF: 32.4/33

All: -5.309+/-338.244 χ^2/NDF: 73.0/69

- 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: 2178.780+/-0.409 χ^2/NDF:368.9/17

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

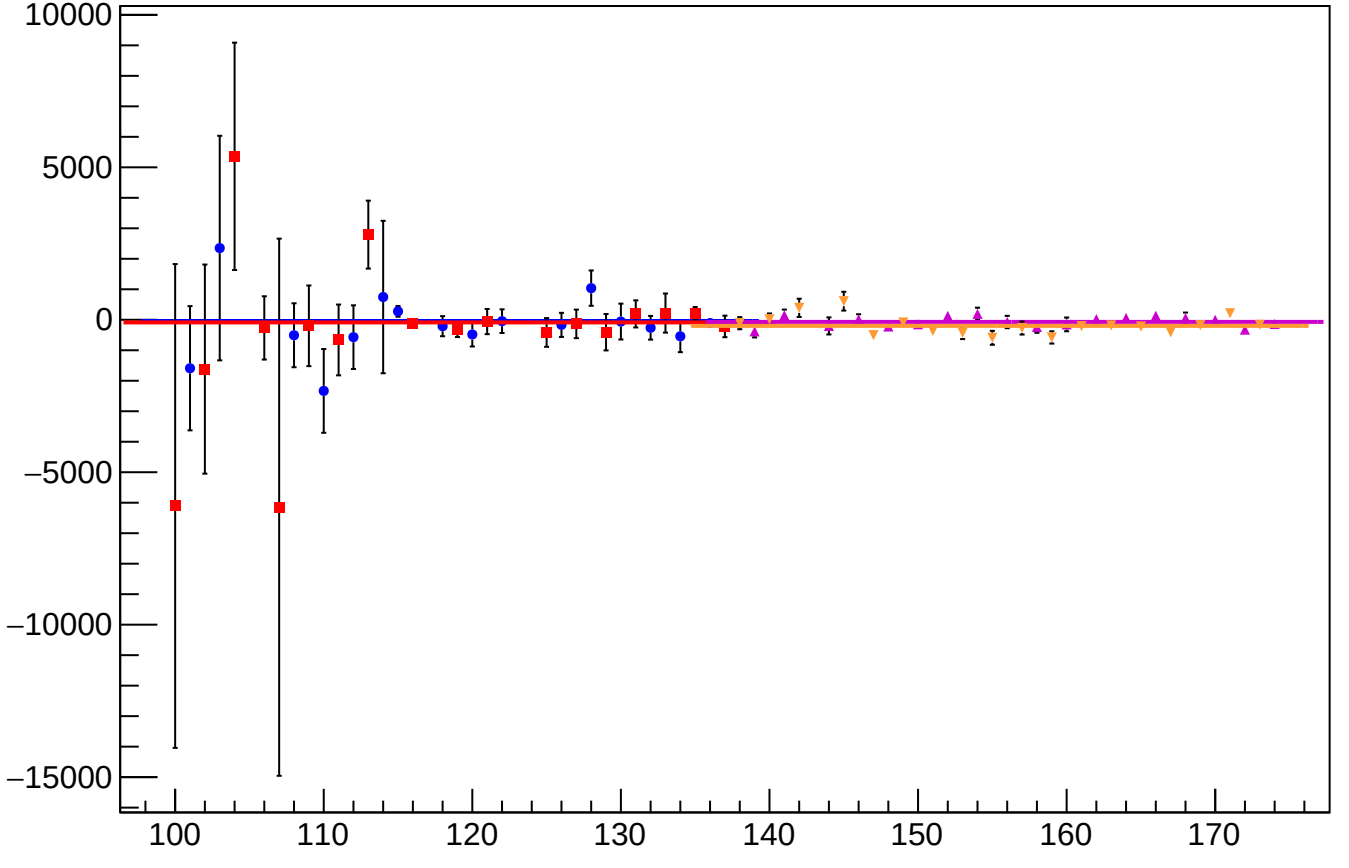
Left In: 2182.292+/-0.400 χ^2/NDF:1693.1/17

+ sign 2218.338+/-0.341 χ^2/NDF: 544903.8/33

All: 2222.468+/-0.239 χ^2/NDF: 755508.4/69

- sign 2226.477+/-0.336 χ^2/NDF: 210315.2/35

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -200.872+/-39.172 χ^2/NDF:36.2/17

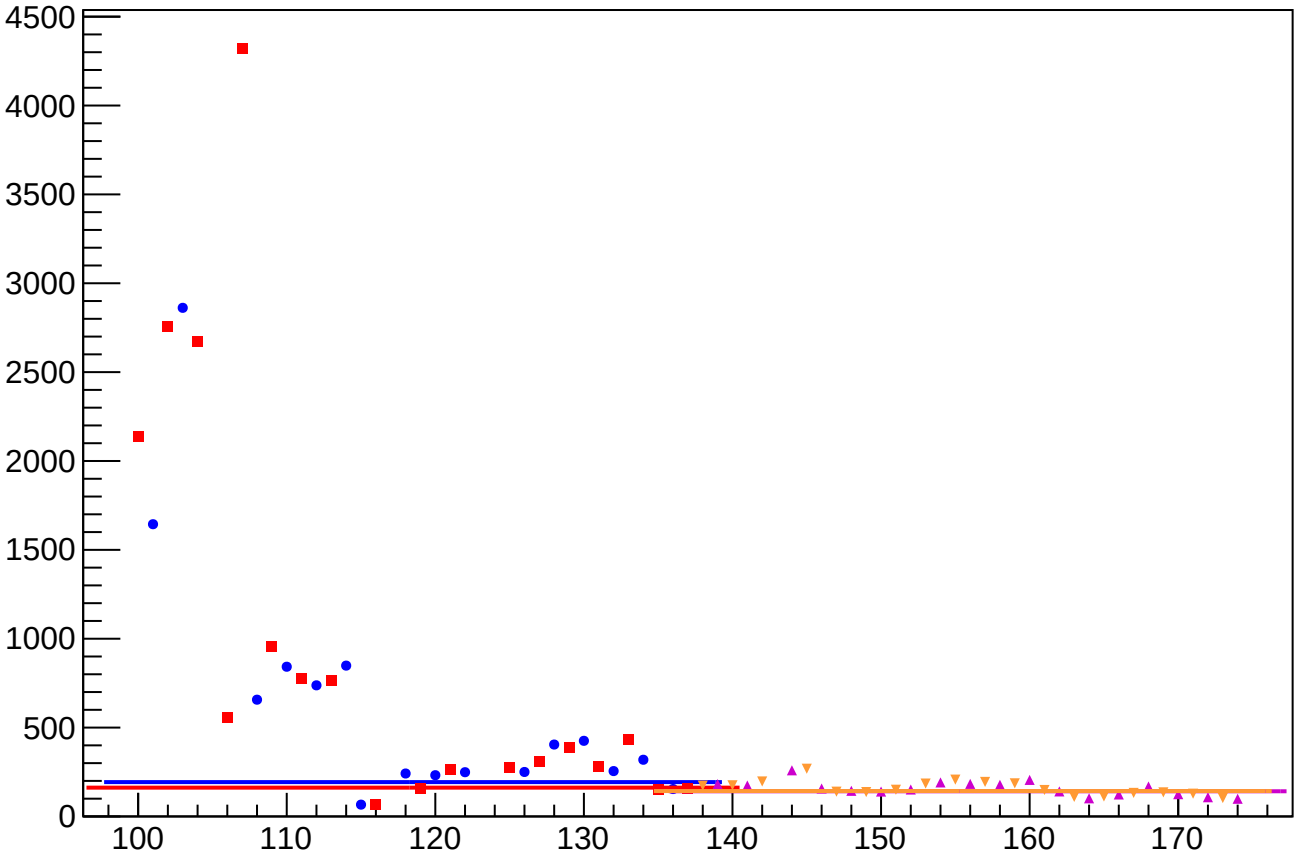
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -69.316+/-37.979 χ^2/NDF:17.8/17

+ sign -176.386+/-36.065 χ^2/NDF: 52.8/33

All: -122.301+/-25.023 χ^2/NDF: 90.0/69

- 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: 142.925+/-0.028 χ^2/NDF:1464620.2/17

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

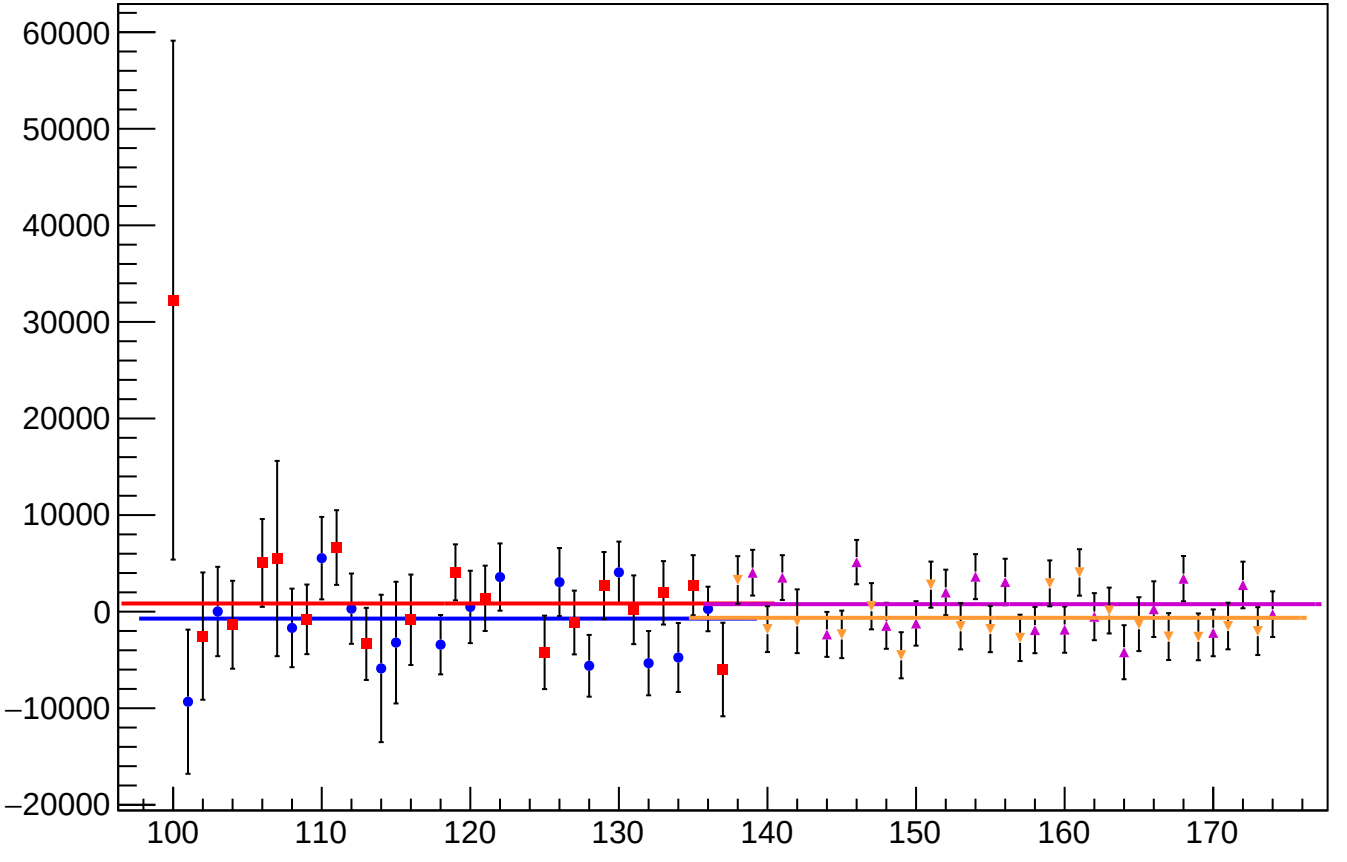
Left In: 141.694+/-0.027 χ^2/NDF:1693631.6/17

+ sign 150.591+/-0.026 χ^2/NDF: 7585375.4/33

All: 147.702+/-0.018 χ^2/NDF: 16468482.6/69

- 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: -638.769+/-579.786 χ^2/NDF:17.3/17

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

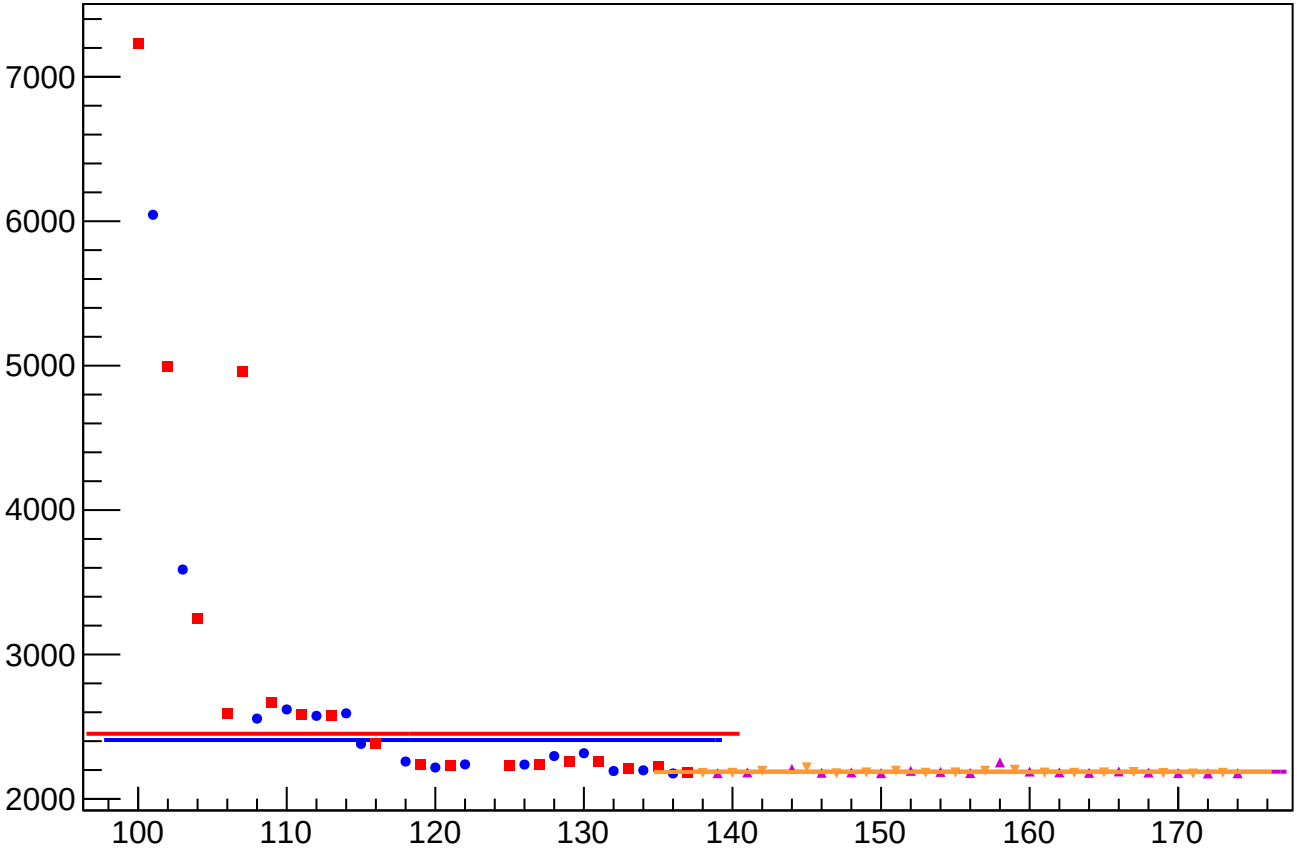
Left In: 774.705+/-567.290 χ^2/NDF:22.6/17

+ sign -661.871+/-489.933 χ^2/NDF: 33.1/33

All: 74.634+/-344.360 χ^2/NDF: 73.1/69

- 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: 2186.235+/-0.410 χ^2/NDF:628.0/17

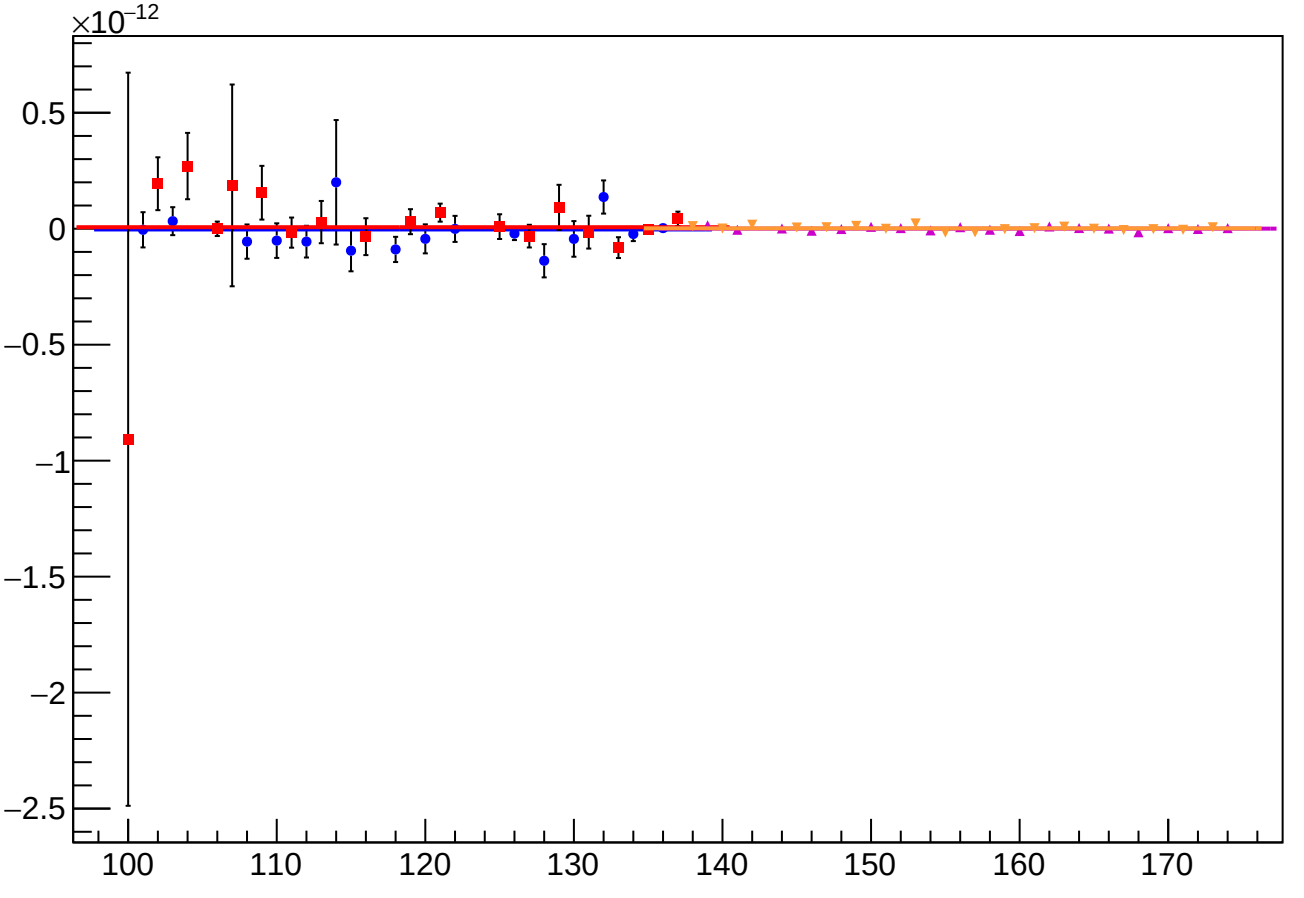
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2188.450+/-0.401 χ^2/NDF:1897.6/17

+ sign 2249.587+/-0.346 χ^2/NDF: 761030.0/33

All: 2254.778+/-0.243 χ^2/NDF: 1513549.2/69

- 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:16.0/17

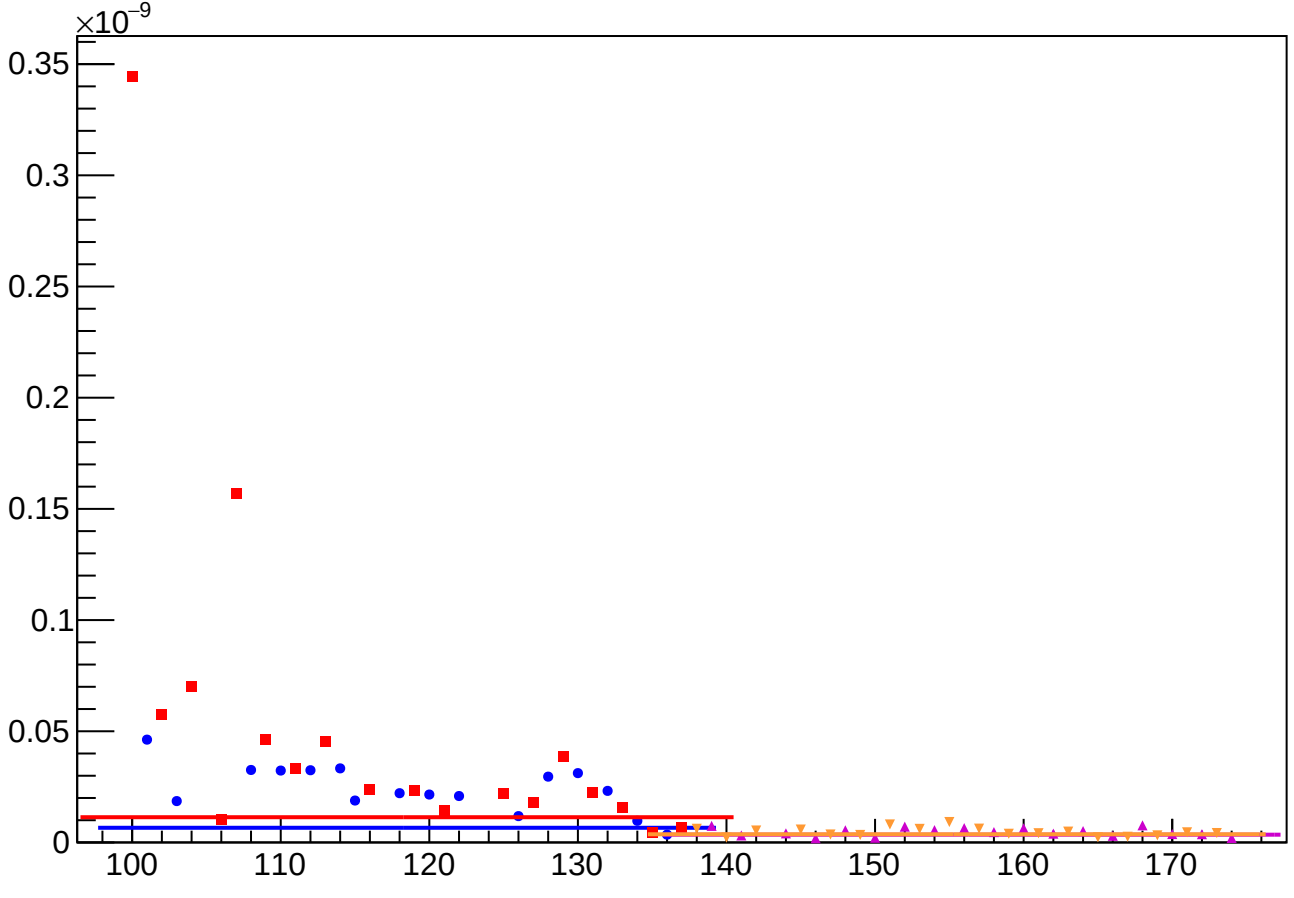
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:12.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 32.2/33

All: 0.000+/-0.000 χ^2/NDF: 64.1/69

- 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:1447389.8/17

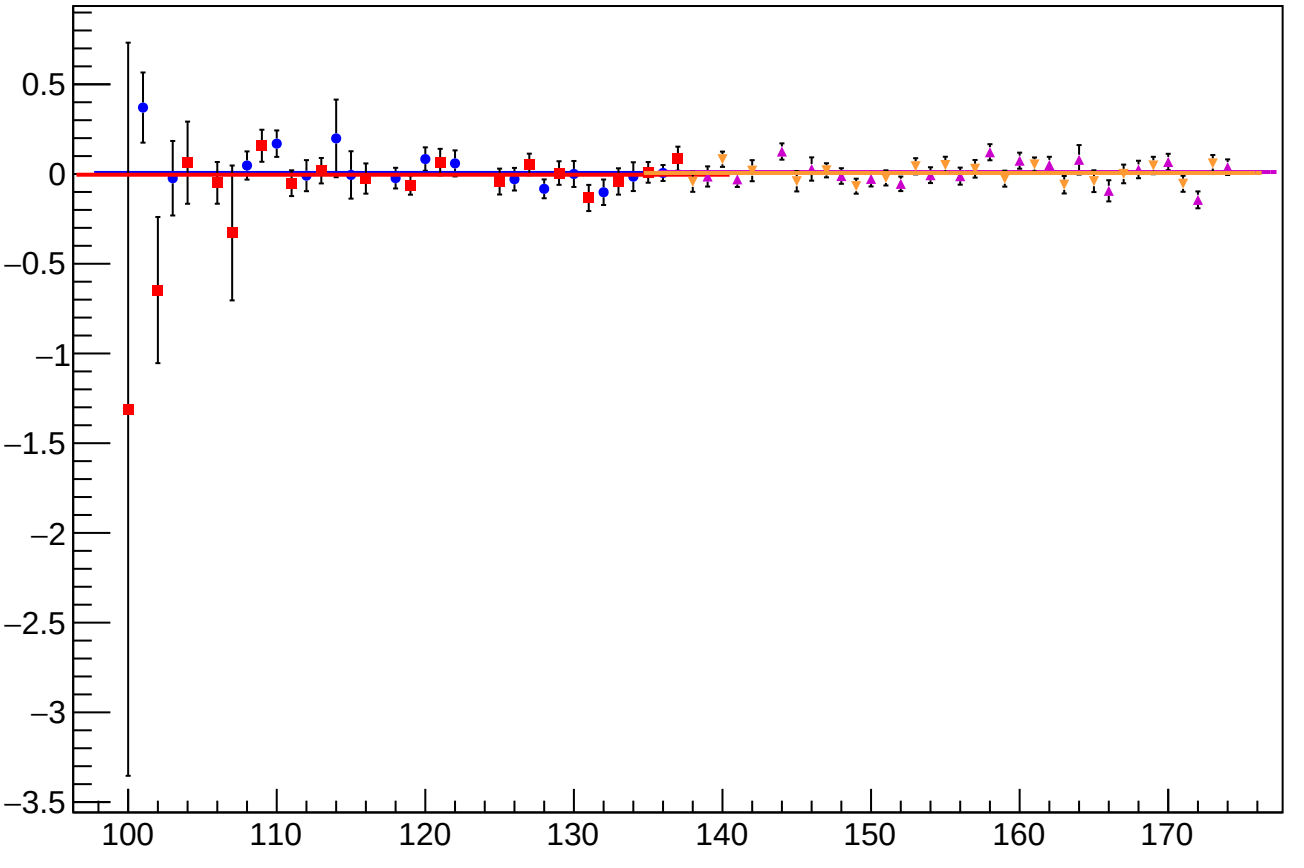
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1566553.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 4703402.1/33

All: 0.000+/-0.000 χ^2/NDF: 10226934.8/69

- 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: 0.006+/-0.011 χ^2/NDF:18.4/17

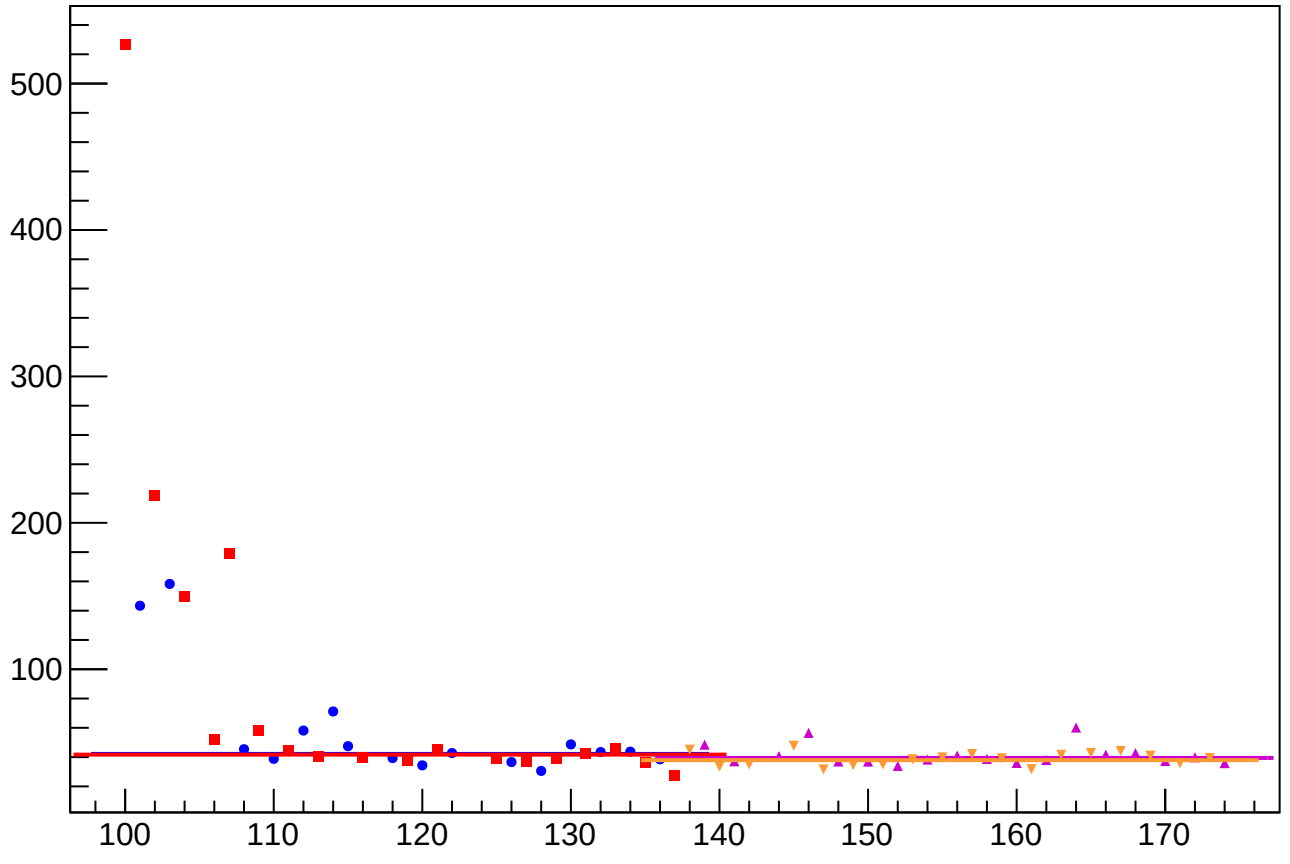
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.011+/-0.011 χ^2/NDF:37.1/17

+ sign 0.006+/-0.009 χ^2/NDF: 35.6/33

All: 0.007+/-0.007 χ^2/NDF: 89.5/69

- 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: 37.908+/-0.008 χ^2/NDF:329317.3/17

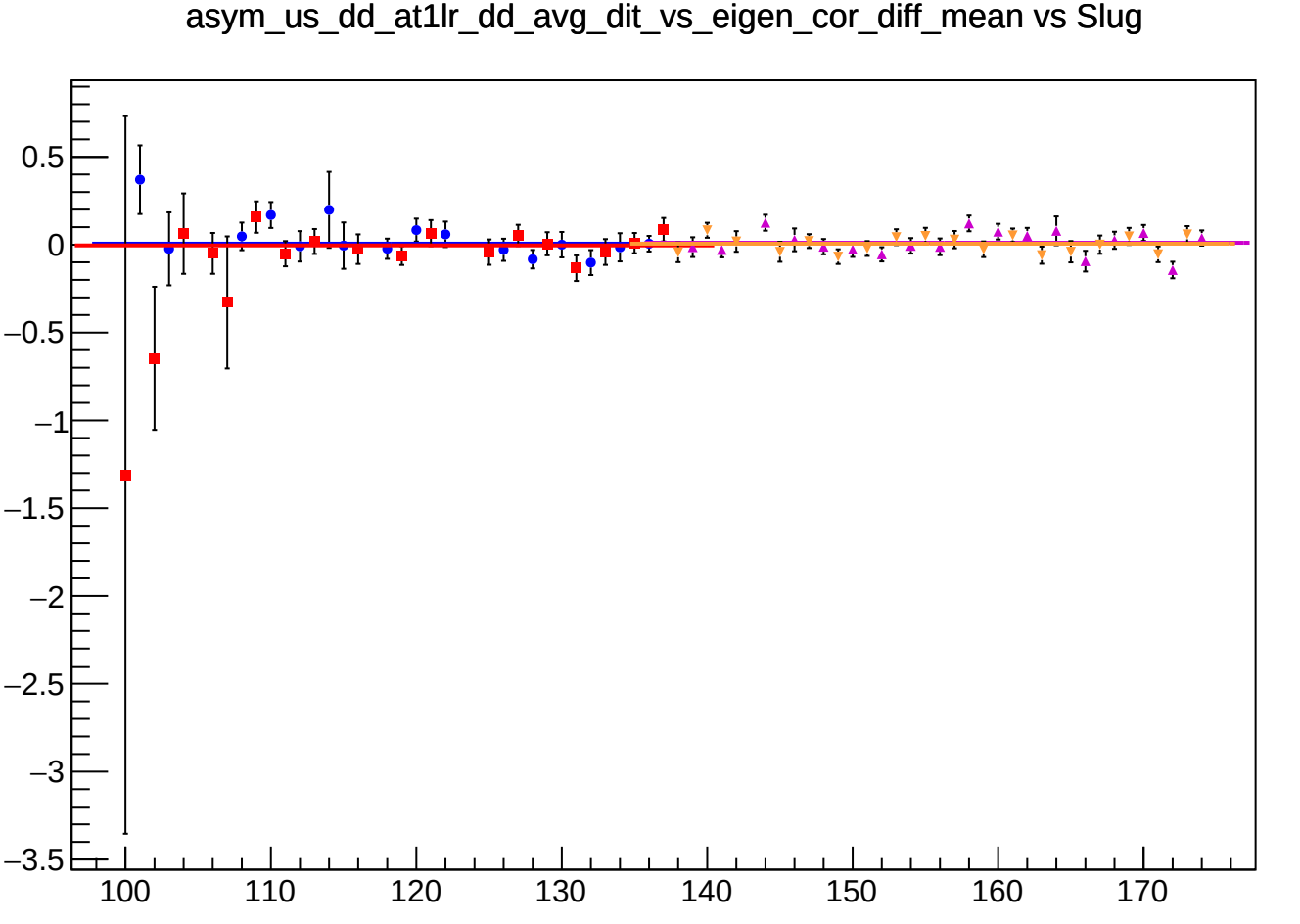
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.439+/-0.008 χ^2/NDF:421803.3/17

+ sign 39.046+/-0.007 χ^2/NDF: 1863363.8/33

All: 39.535+/-0.005 χ^2/NDF: 3758805.2/69

- 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: 0.006+/-0.011 χ^2/NDF:18.4/17

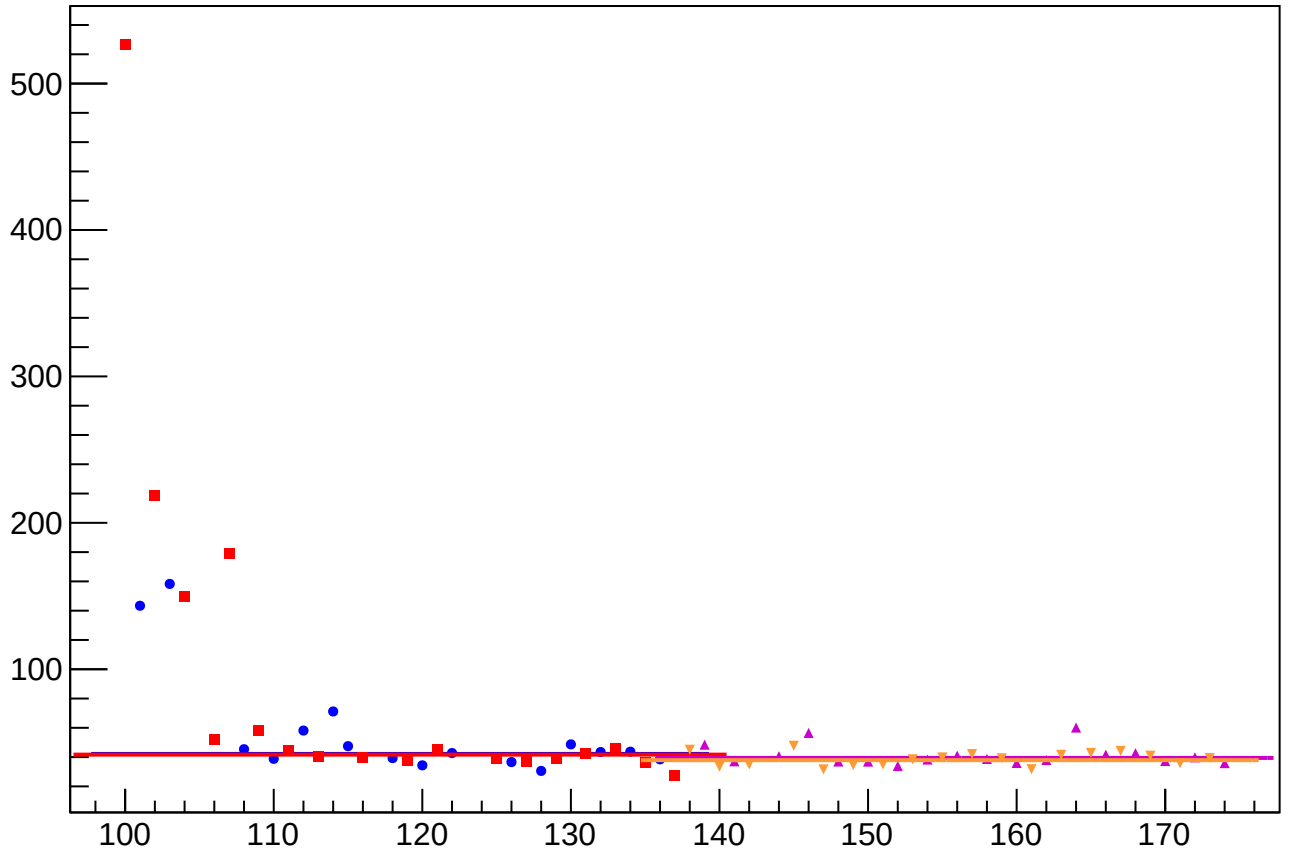
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.011+/-0.011 χ^2/NDF:37.1/17

+ sign 0.006+/-0.009 χ^2/NDF: 35.6/33

All: 0.007+/-0.007 χ^2/NDF: 89.5/69

- 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: 37.908+/-0.008 χ^2/NDF:329317.3/17

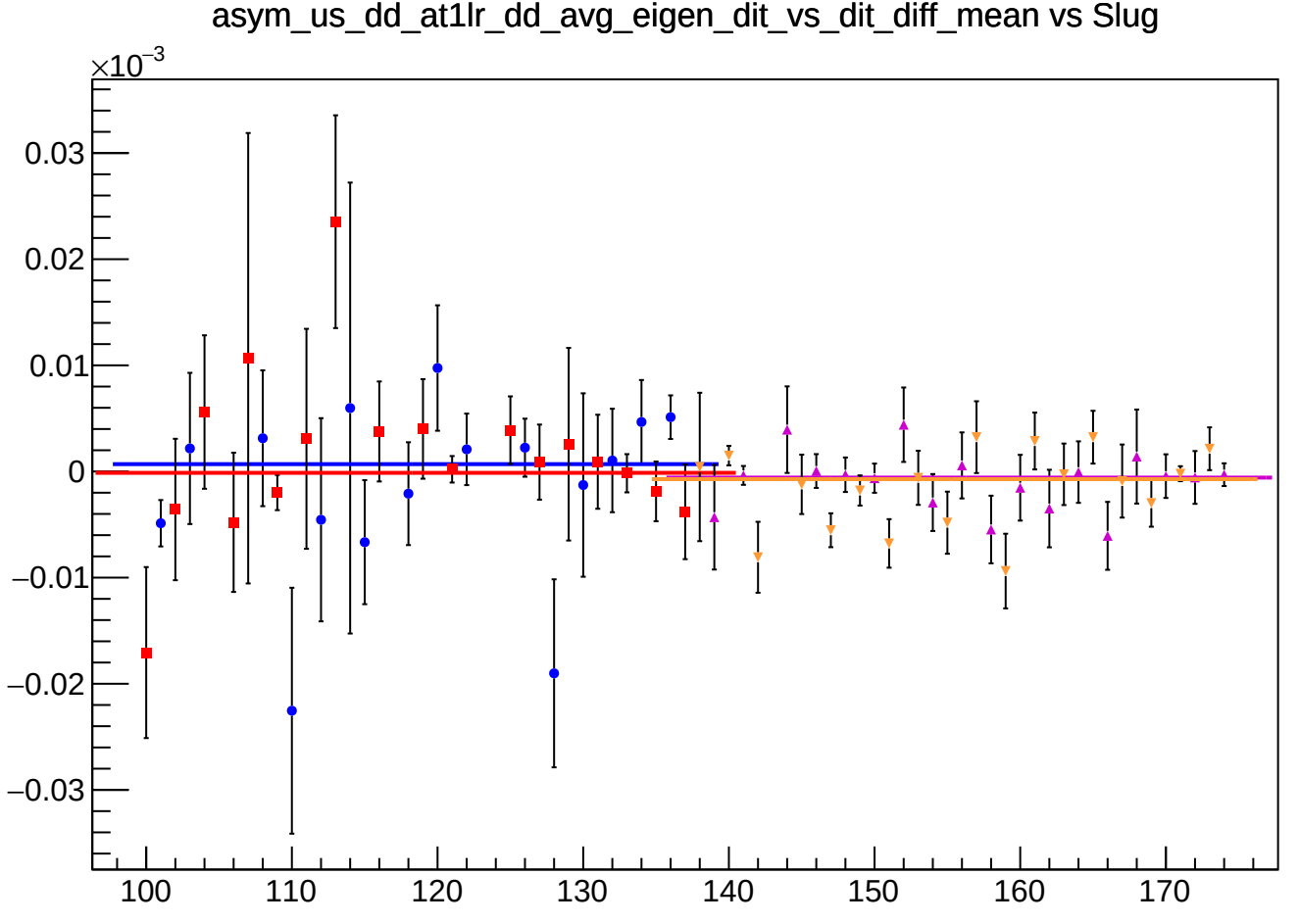
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.439+/-0.008 χ^2/NDF:421803.3/17

+ sign 39.046+/-0.007 χ^2/NDF: 1863363.8/33

All: 39.535+/-0.005 χ^2/NDF: 3758805.2/69

- 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:44.8/17

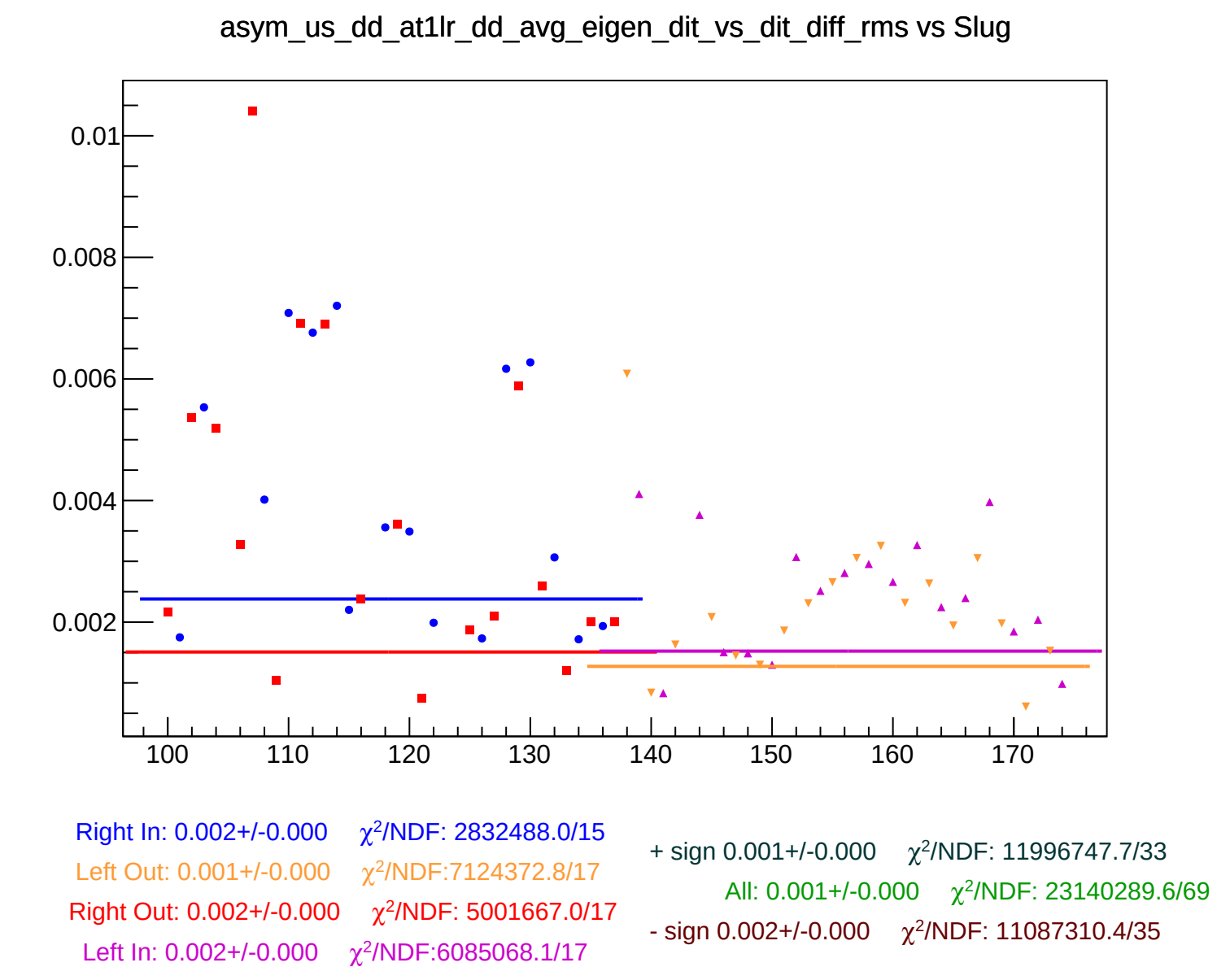
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

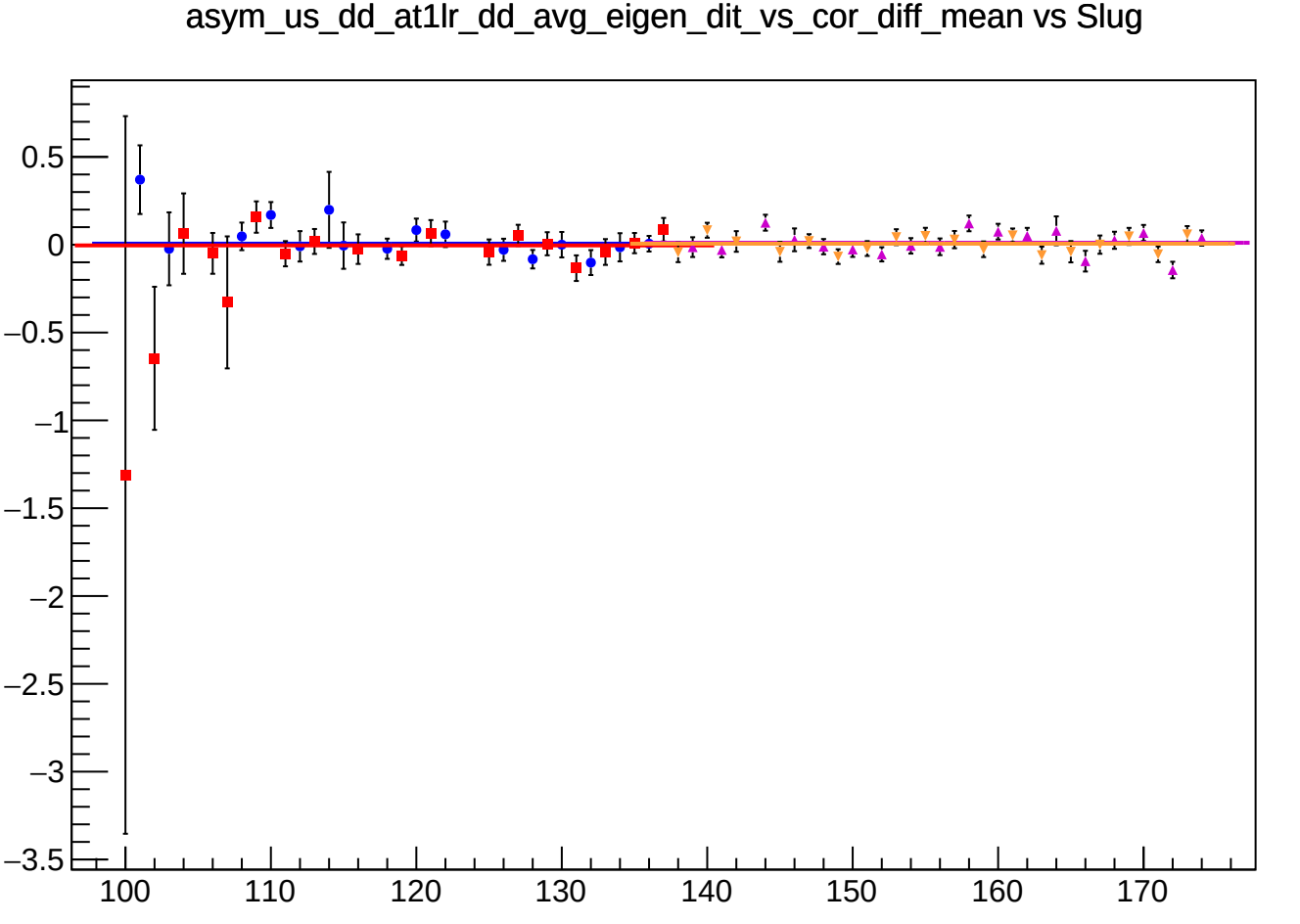
Left In: -0.000+/-0.000 χ^2/NDF:11.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 72.9/33

All: -0.000+/-0.000 χ^2/NDF: 101.9/69

- 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:7124372.8/17
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: 11996747.7/33
All: 0.001+/-0.000 χ²/NDF: 23140289.6/69
- sign 0.002+/-0.000 χ²/NDF: 11087310.4/35



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.011 χ^2/NDF:18.4/17

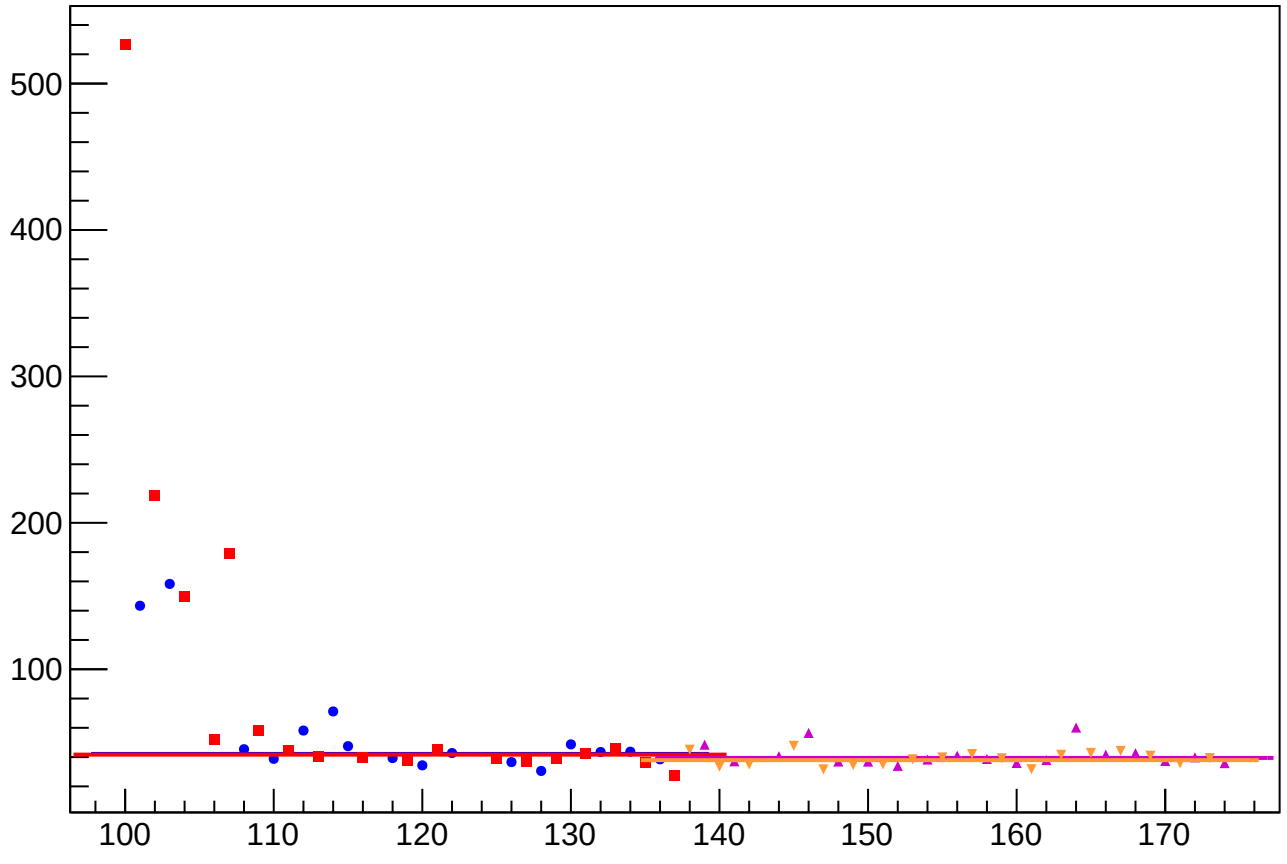
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.011+/-0.011 χ^2/NDF:37.1/17

+ sign 0.006+/-0.009 χ^2/NDF: 35.6/33

All: 0.007+/-0.007 χ^2/NDF: 89.5/69

- 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: 37.908+/-0.008 χ^2/NDF:329306.6/17

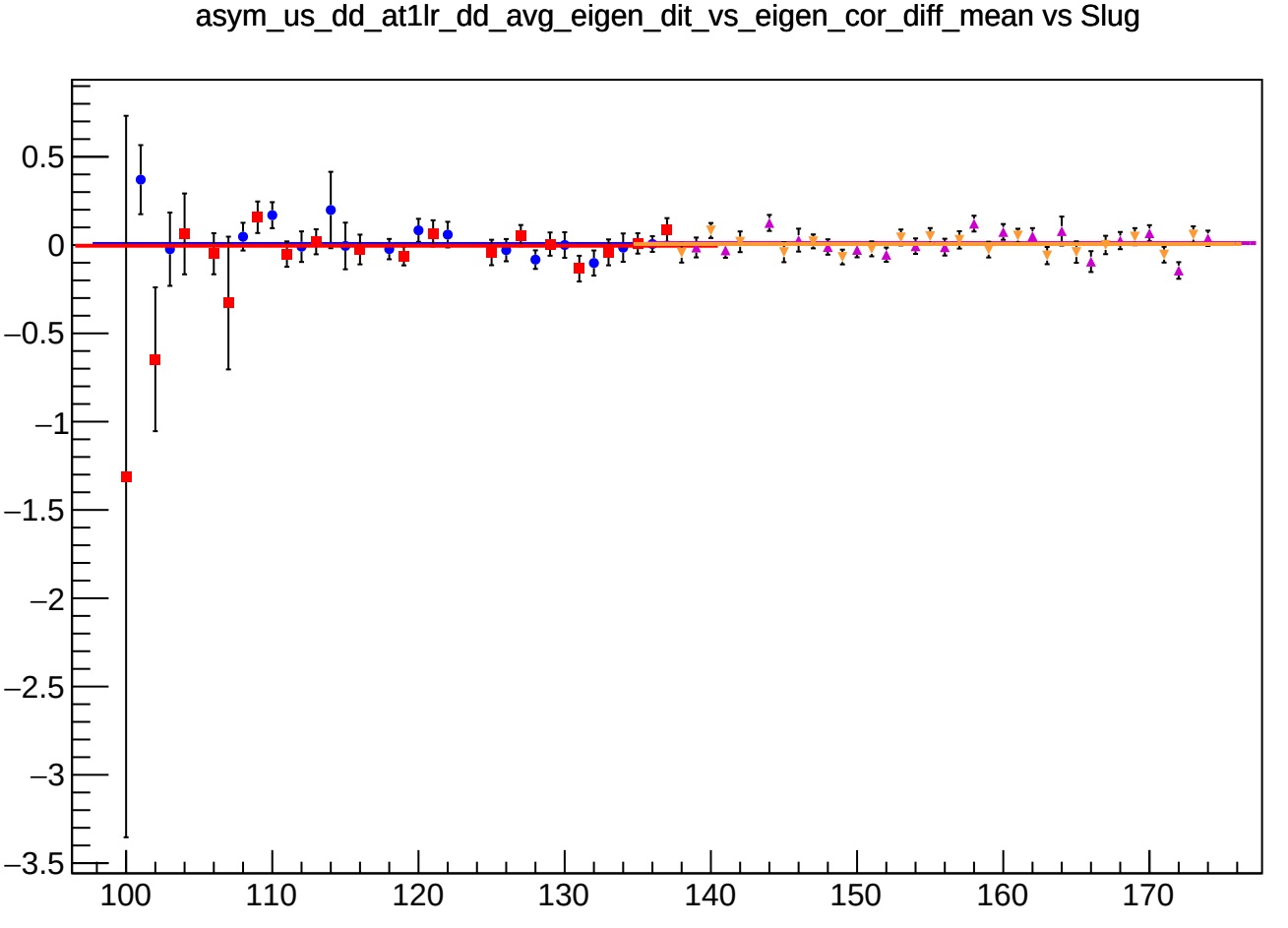
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.439+/-0.008 χ^2/NDF:421842.3/17

\+ sign 39.046+/-0.007 χ^2/NDF: 1863474.9/33

All: 39.534+/-0.005 χ^2/NDF: 3758958.0/69

\- 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: 0.006+/-0.011 χ^2/NDF:18.4/17

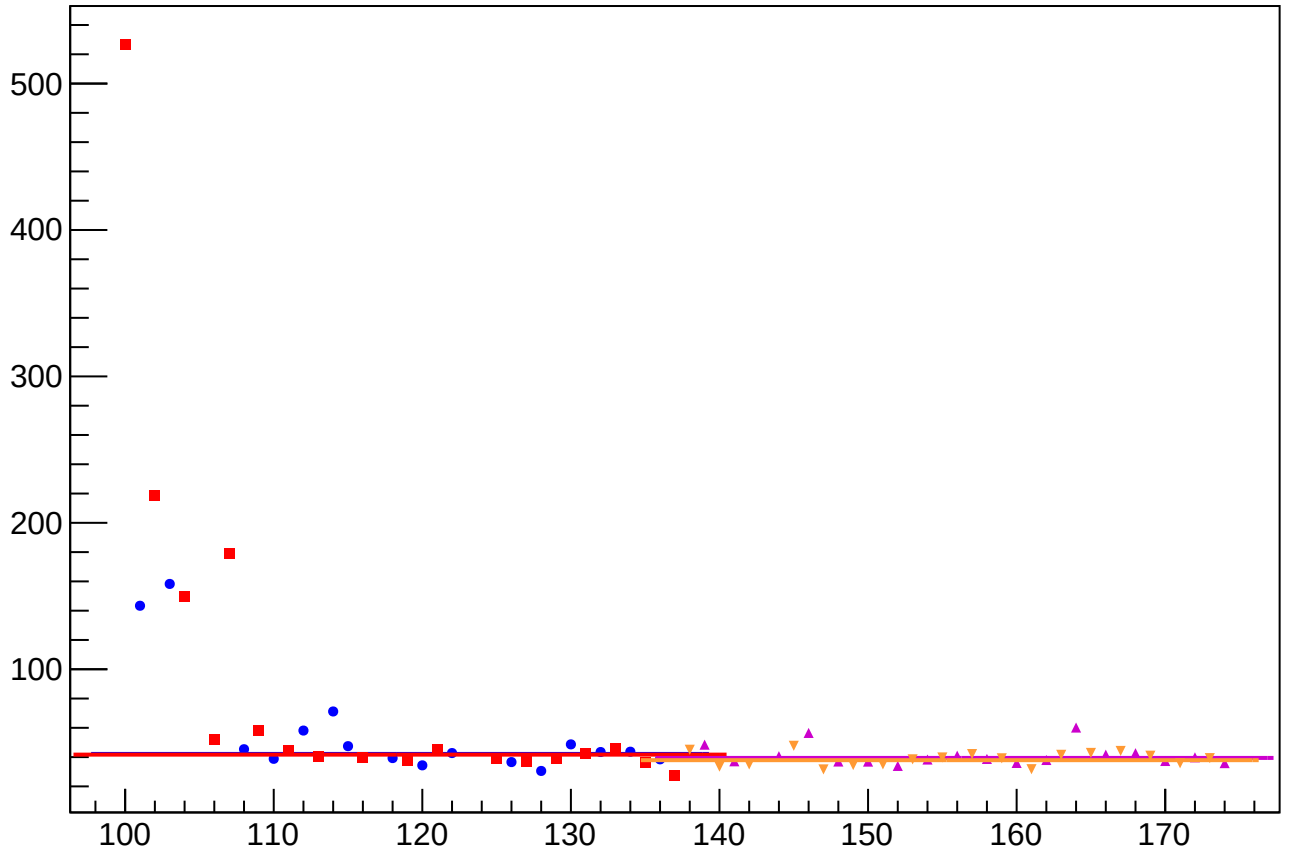
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.011+/-0.011 χ^2/NDF:37.1/17

+ sign 0.006+/-0.009 χ^2/NDF: 35.6/33

All: 0.007+/-0.007 χ^2/NDF: 89.5/69

- 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: 37.908+/-0.008 χ^2/NDF:329306.6/17

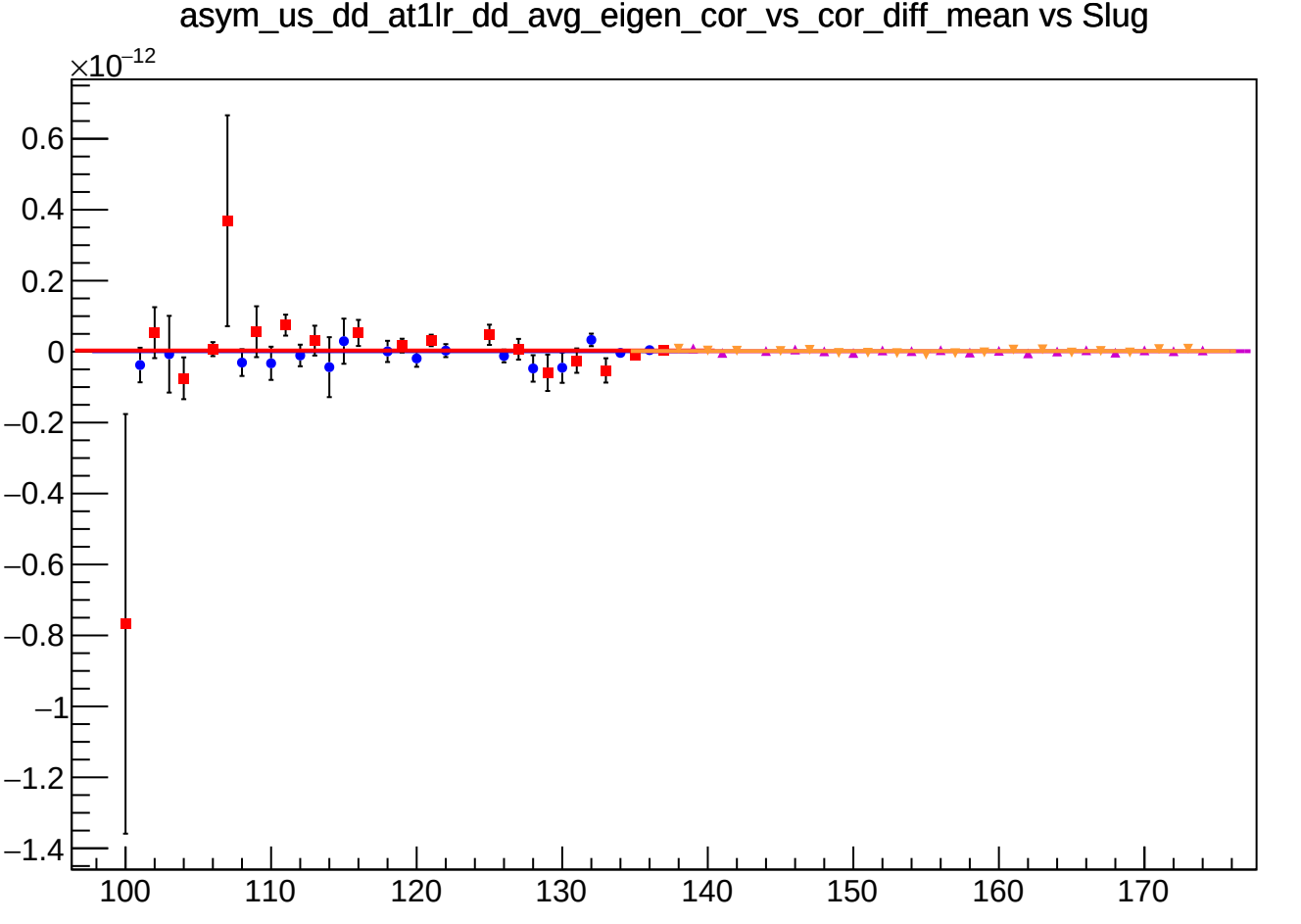
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

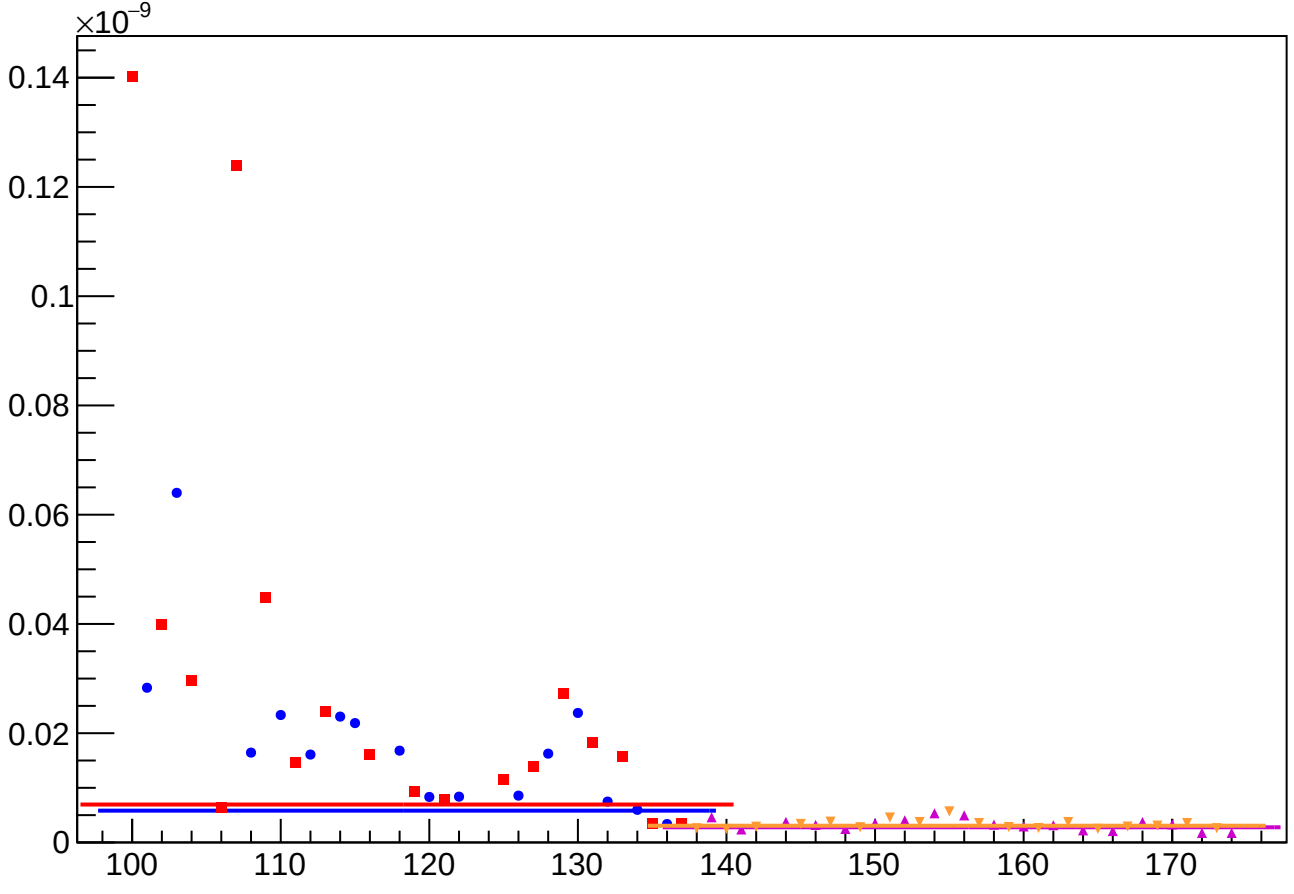
Left In: 39.439+/-0.008 χ^2/NDF:421842.3/17

\+ sign 39.046+/-0.007 χ^2/NDF: 1863474.9/33

All: 39.534+/-0.005 χ^2/NDF: 3758958.0/69

\- sign 40.035+/-0.007 χ^2/NDF: 1884645.2/35


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 10.5/15
Left Out: 0.000+/-0.000 χ²/NDF:16.5/17
Right Out: 0.000+/-0.000 χ²/NDF: 28.8/17
Left In: 0.000+/-0.000 χ²/NDF:10.2/17
+ sign 0.000+/-0.000 χ²/NDF: 27.0/33
All: 0.000+/-0.000 χ²/NDF: 66.3/69
- sign 0.000+/-0.000 χ²/NDF: 39.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:617567.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

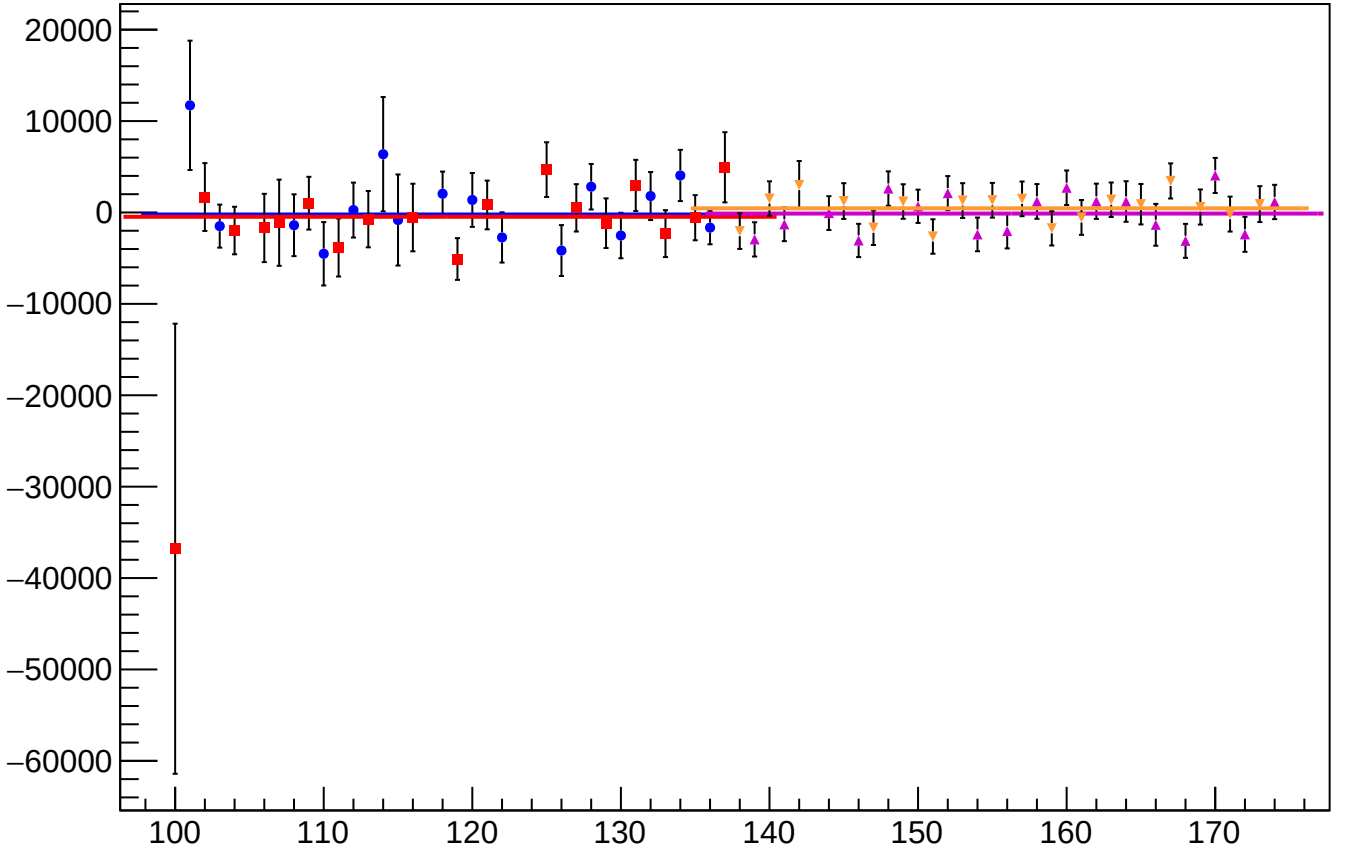
Left In: 0.000+/-0.000 χ^2/NDF:1598472.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 4830316.0/33

All: 0.000+/-0.000 χ^2/NDF: 11781246.4/69

- sign 0.000+/-0.000 χ^2/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: 454.199+/-459.319 χ^2/NDF:12.4/17

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

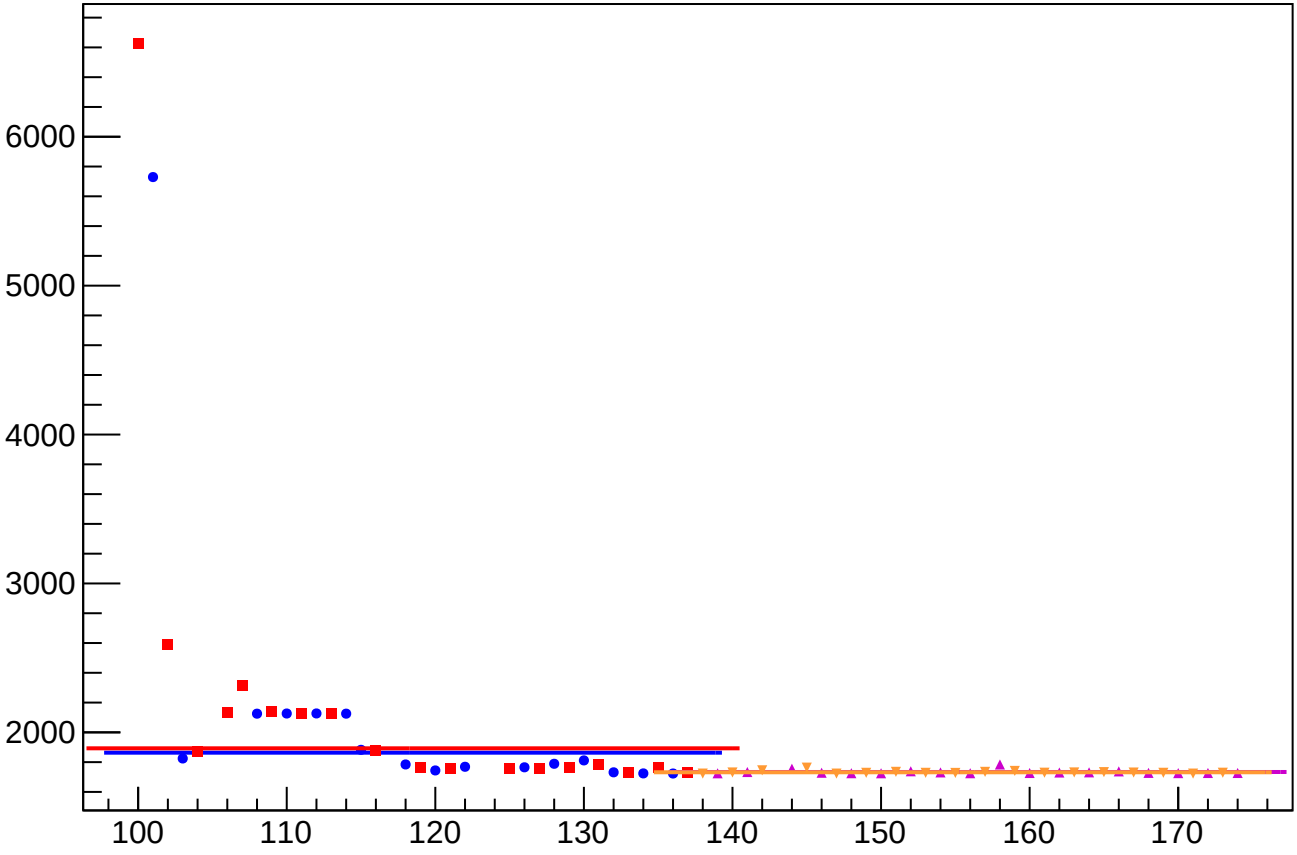
Left In: -121.369+/-449.449 χ^2/NDF:24.6/17

+ sign 254.069+/-385.517 χ^2/NDF: 28.8/33

All: 12.846+/-270.623 χ^2/NDF: 70.2/69

- 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: 1731.970+/-0.325 χ^2/NDF:782.2/17

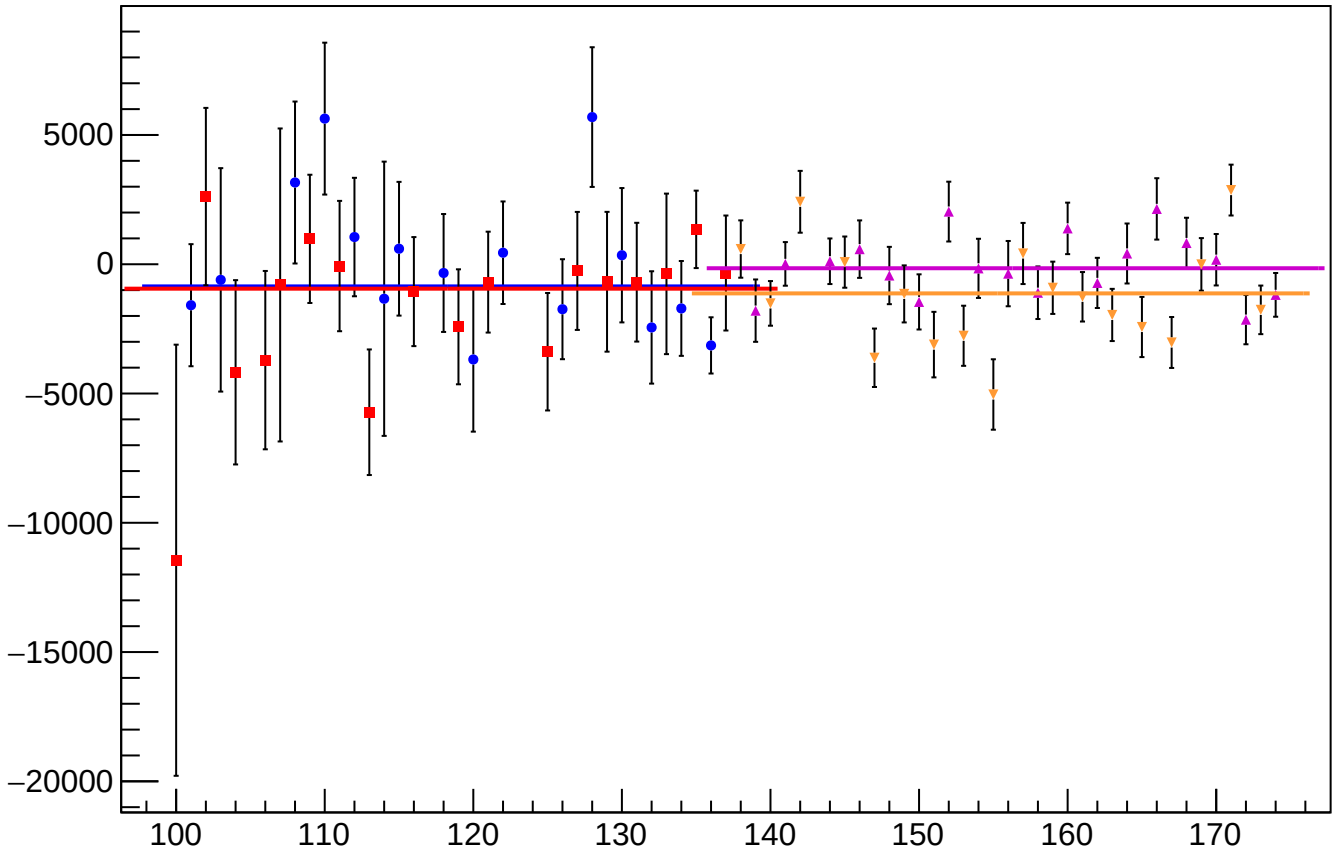
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.850+/-0.318 χ^2/NDF:2038.4/17

+ sign 1770.866+/-0.273 χ^2/NDF: 723975.9/33

All: 1775.097+/-0.191 χ^2/NDF: 1049410.9/69

- 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: -1127.235+/-249.616 χ^2/NDF:56.0/17

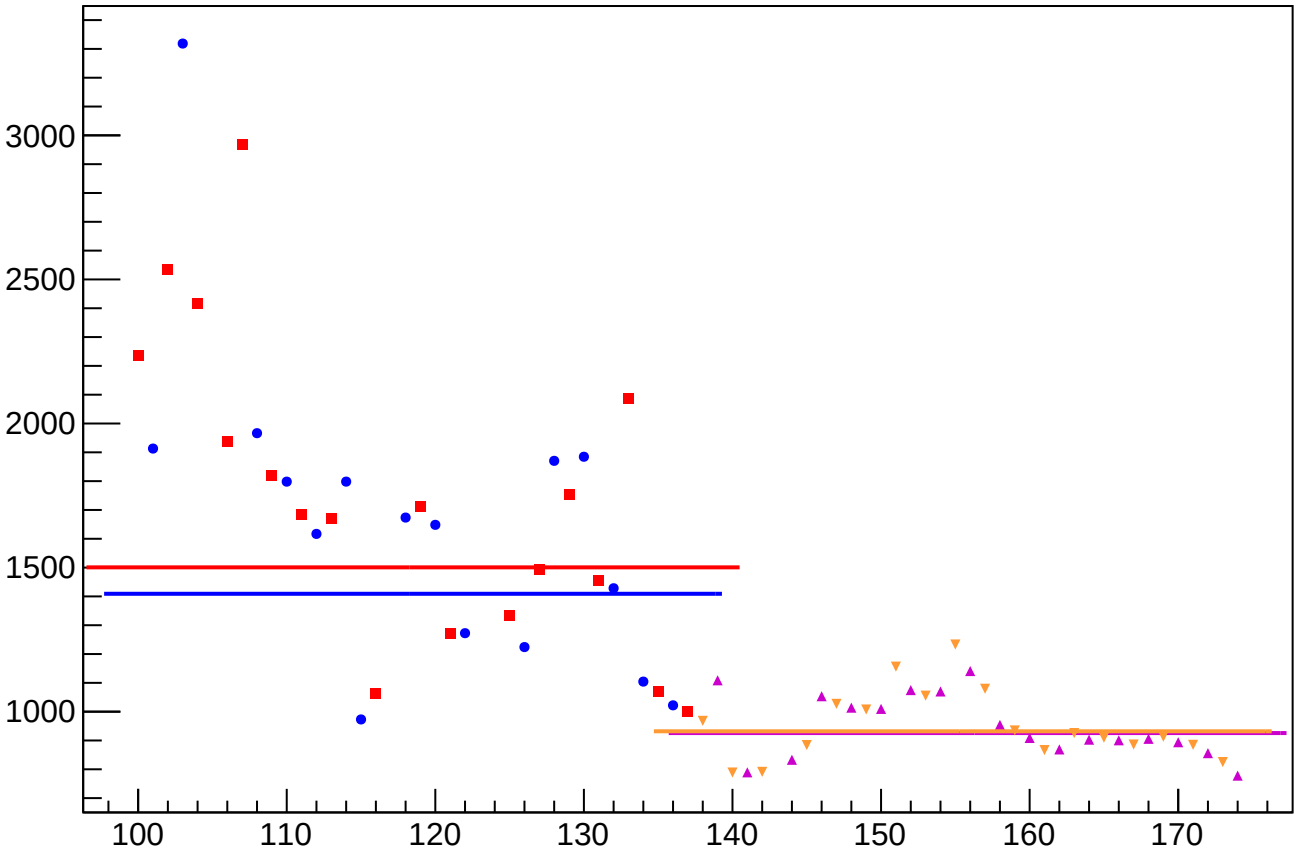
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -154.497+/-242.050 χ^2/NDF:22.1/17

+ sign -1081.101+/-227.287 χ^2/NDF: 76.8/33

All: -669.105+/-159.398 χ^2/NDF: 119.9/69

- 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: 931.892+/-0.177 χ^2/NDF:372785.0/17

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

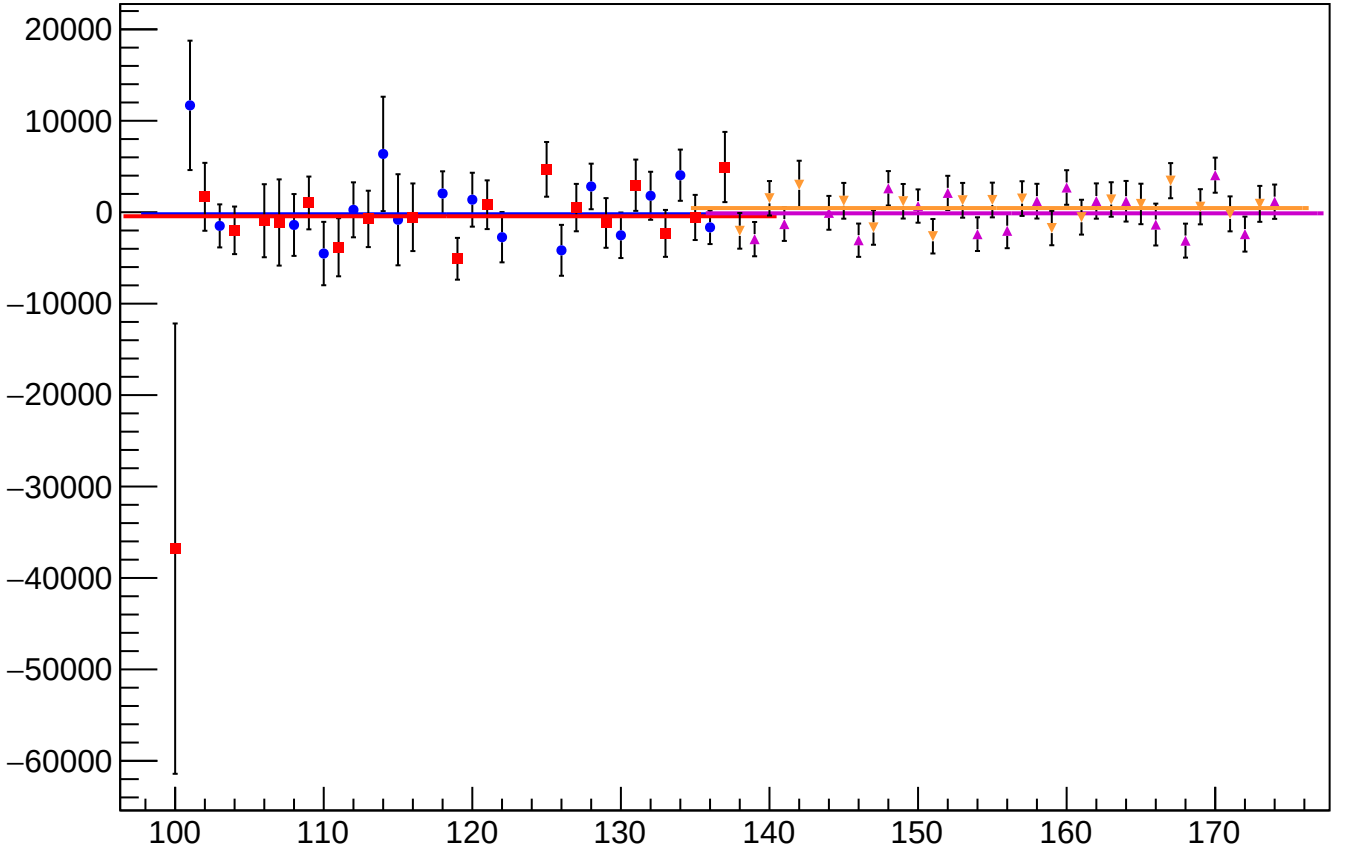
Left In: 925.756+/-0.171 χ^2/NDF:380258.1/17

+ sign 1013.448+/-0.161 χ^2/NDF: 2789735.6/33

All: 1011.730+/-0.113 χ^2/NDF: 5855996.8/69

- 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: 454.235+/-459.319 χ^2/NDF:12.4/17

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

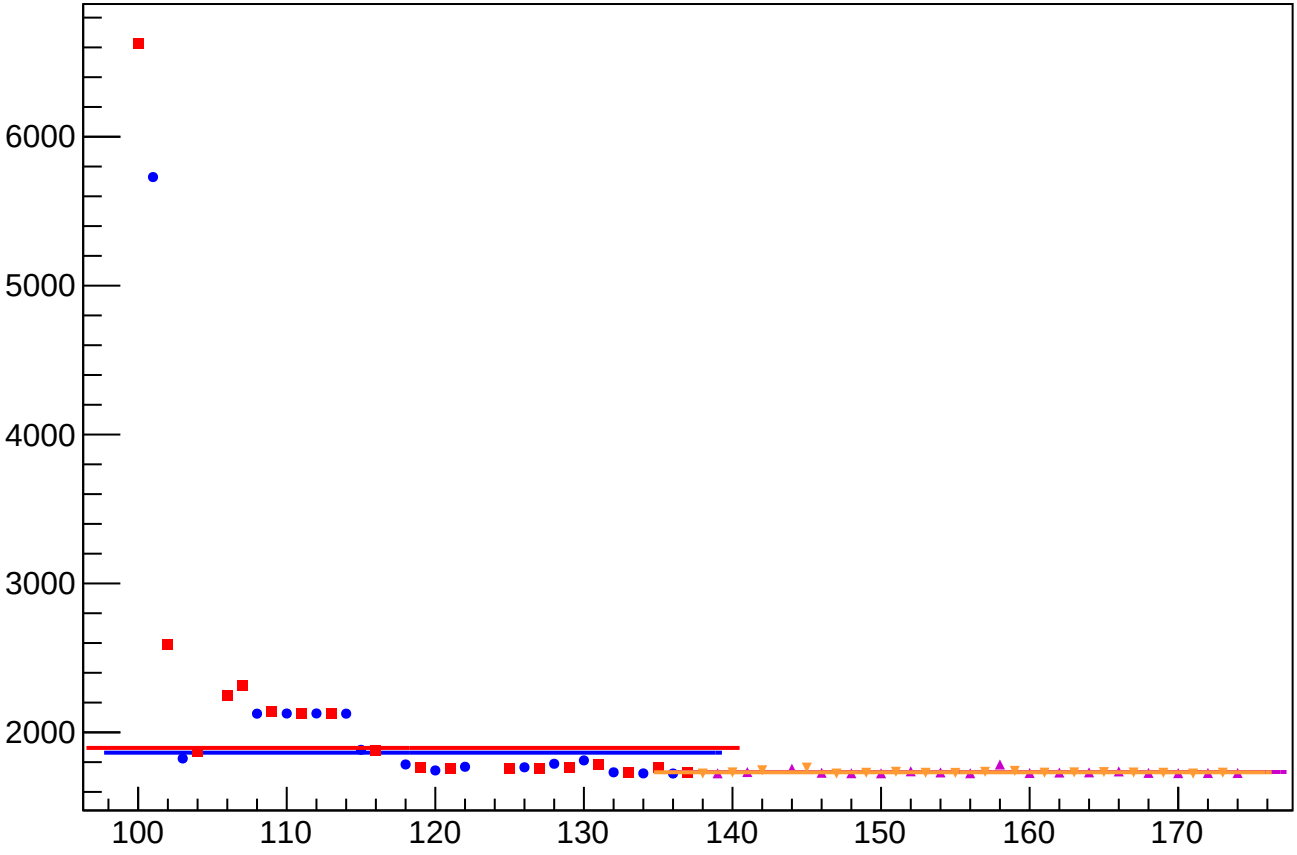
Left In: -121.407+/-449.449 χ^2/NDF:24.6/17

+ sign 253.865+/-385.517 χ^2/NDF: 28.8/33

All: 17.287+/-270.712 χ^2/NDF: 70.1/69

- 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: 1731.970+/-0.325 χ^2/NDF:782.2/17

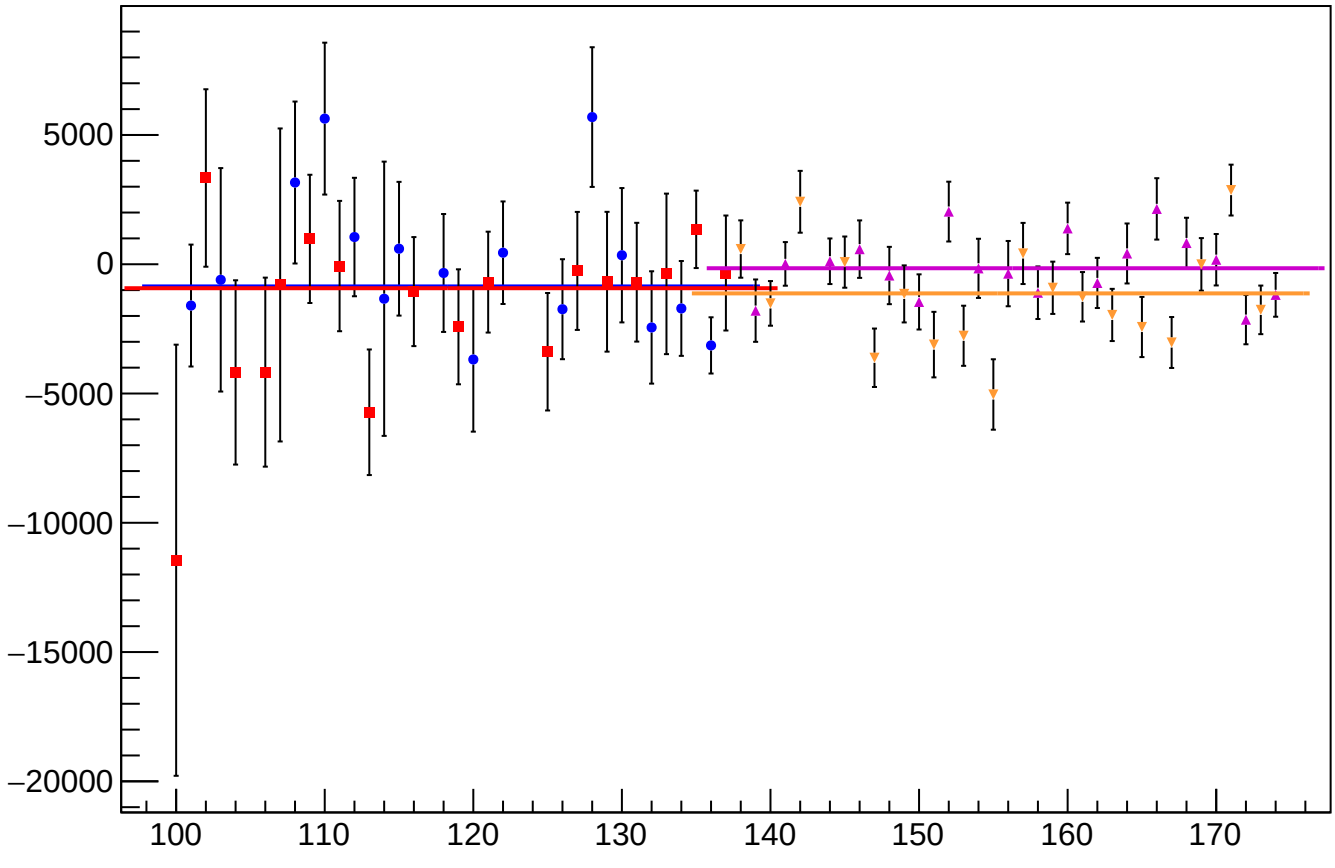
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.851+/-0.318 χ^2/NDF:2038.4/17

+ sign 1770.866+/-0.273 χ^2/NDF: 723975.7/33

All: 1775.398+/-0.191 χ^2/NDF: 1059277.4/69

- 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: -1127.259+/-249.616 χ^2/NDF:56.0/17

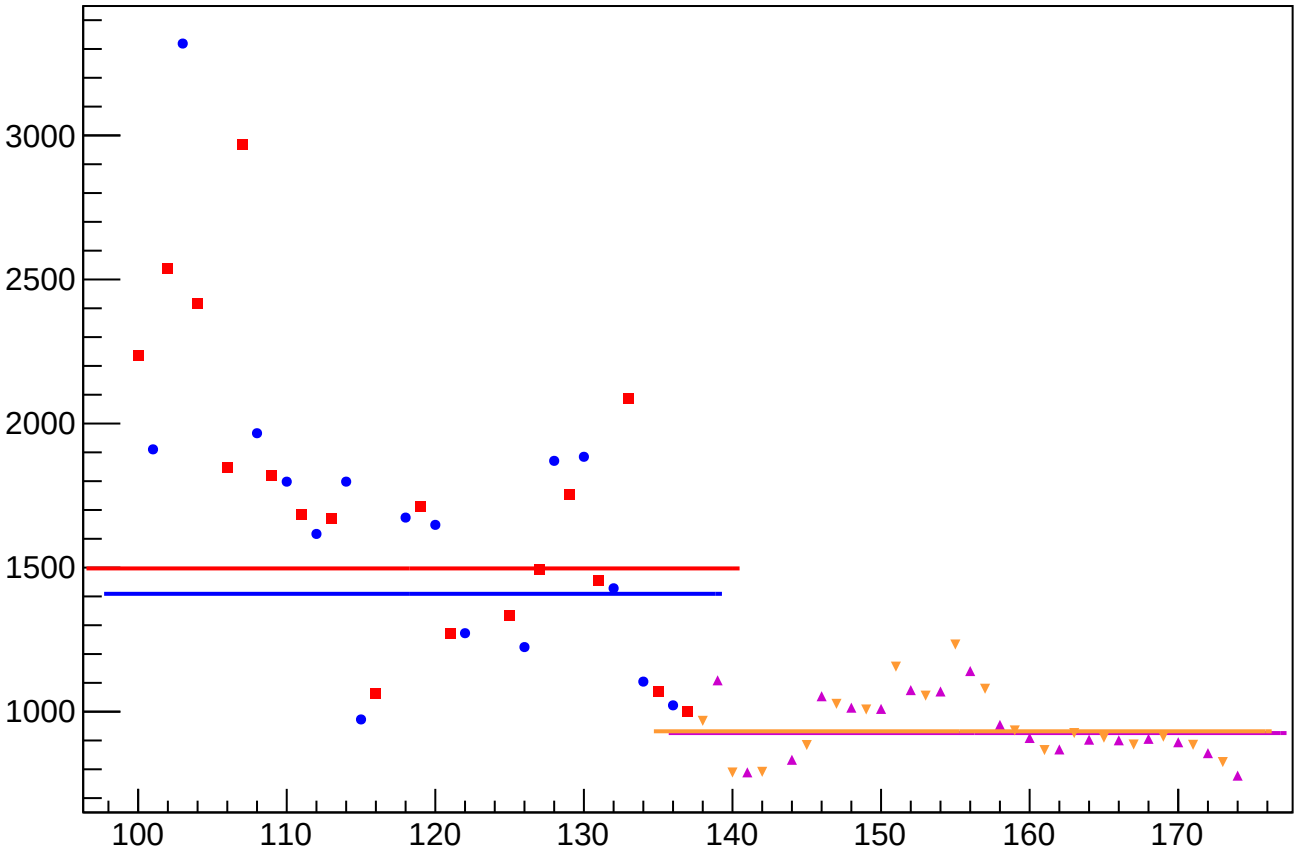
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -154.512+/-242.049 χ^2/NDF:22.1/17

+ sign -1081.255+/-227.284 χ^2/NDF: 76.8/33

All: -667.824+/-159.415 χ^2/NDF: 120.5/69

- 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: 931.889+/-0.177 χ^2/NDF:372771.2/17

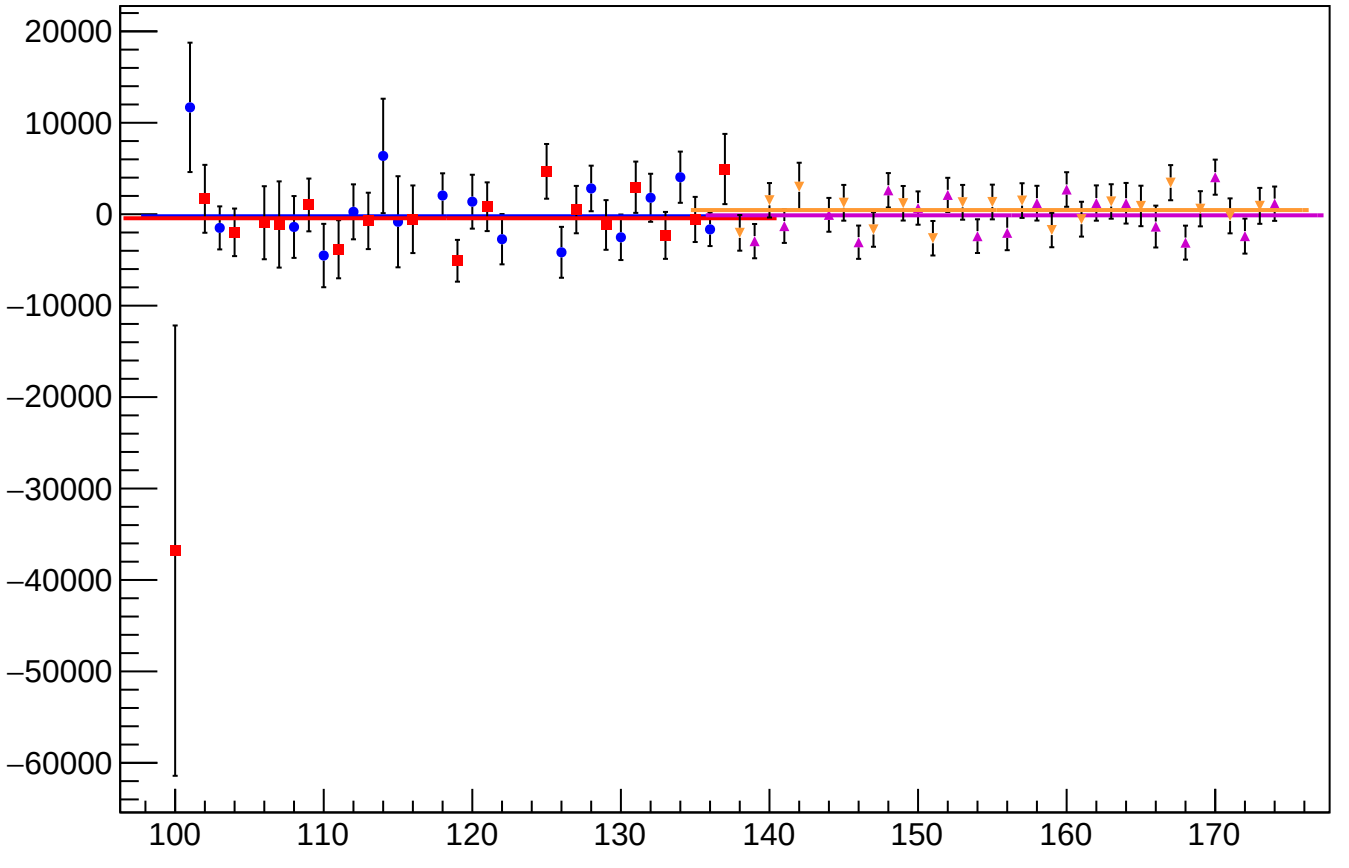
Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 925.752+/-0.171 χ^2/NDF:380275.0/17

+ sign 1013.443+/-0.161 χ^2/NDF: 2788849.3/33

All: 1011.339+/-0.113 χ^2/NDF: 5817285.9/69

- 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: 454.235+/-459.319 χ^2/NDF:12.4/17

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

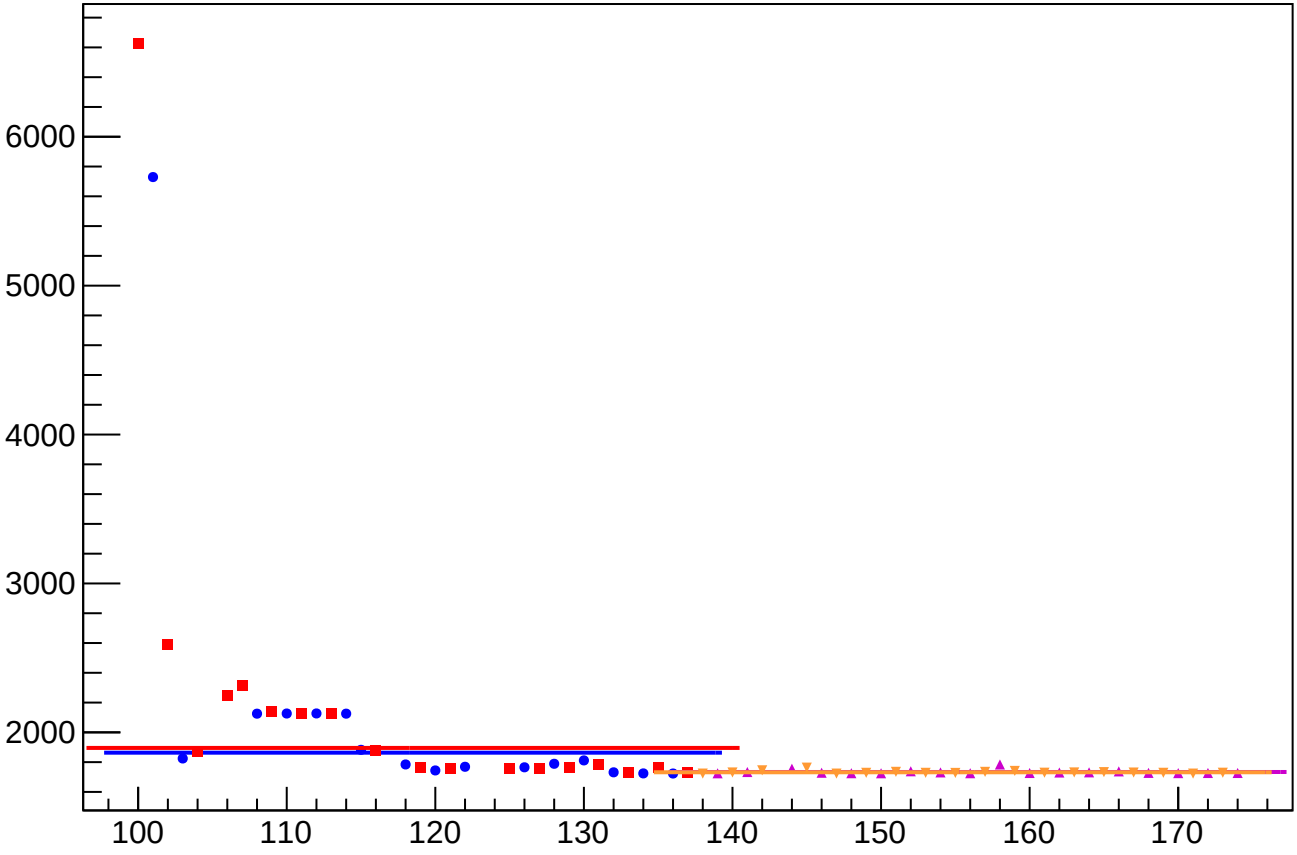
Left In: -121.407+/-449.449 χ^2/NDF:24.6/17

+ sign 253.865+/-385.517 χ^2/NDF: 28.8/33

All: 17.287+/-270.712 χ^2/NDF: 70.1/69

- 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: 1731.970+/-0.325 χ^2/NDF:782.2/17

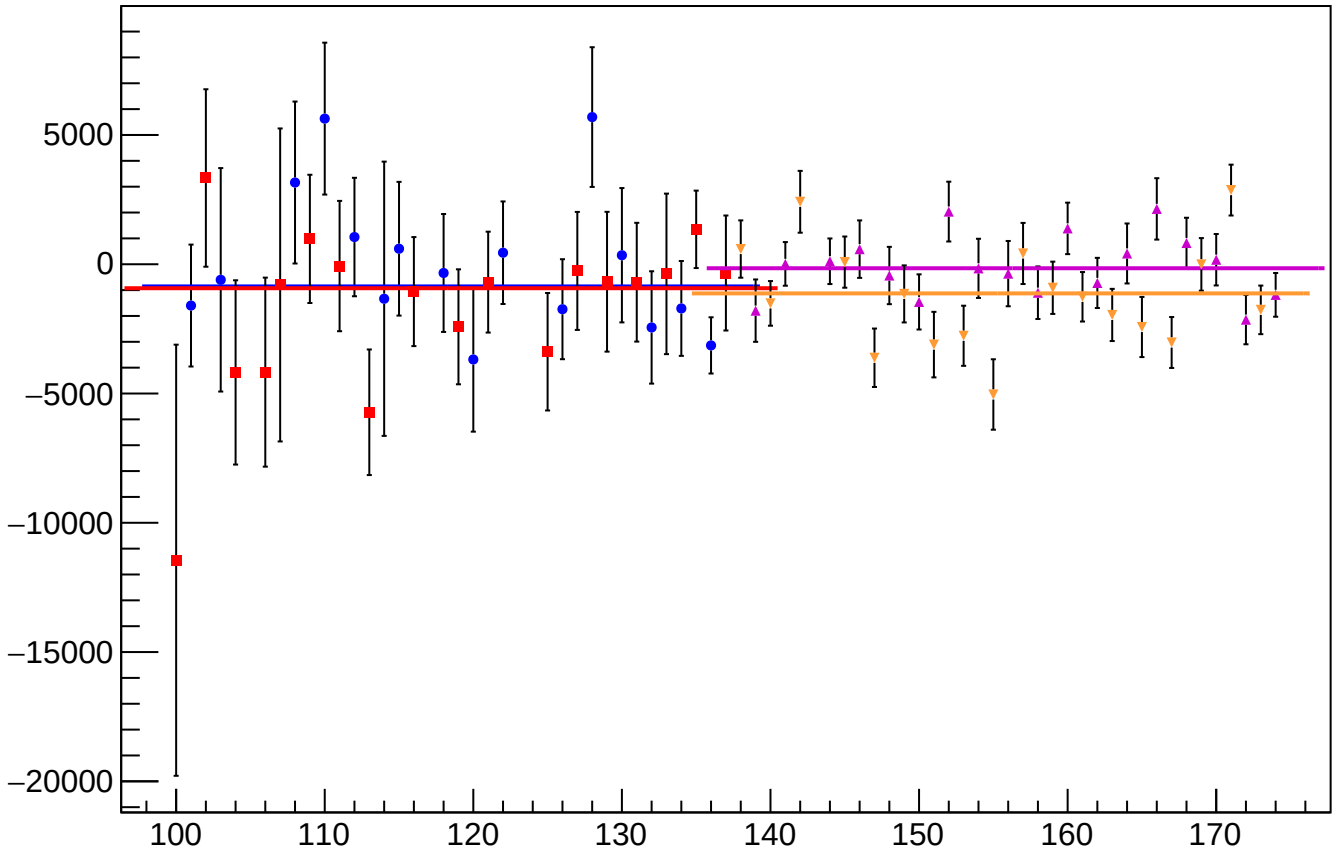
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.851+/-0.318 χ^2/NDF:2038.4/17

+ sign 1770.866+/-0.273 χ^2/NDF: 723975.7/33

All: 1775.398+/-0.191 χ^2/NDF: 1059277.4/69

- 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: -1127.259+/-249.616 χ^2/NDF:56.0/17

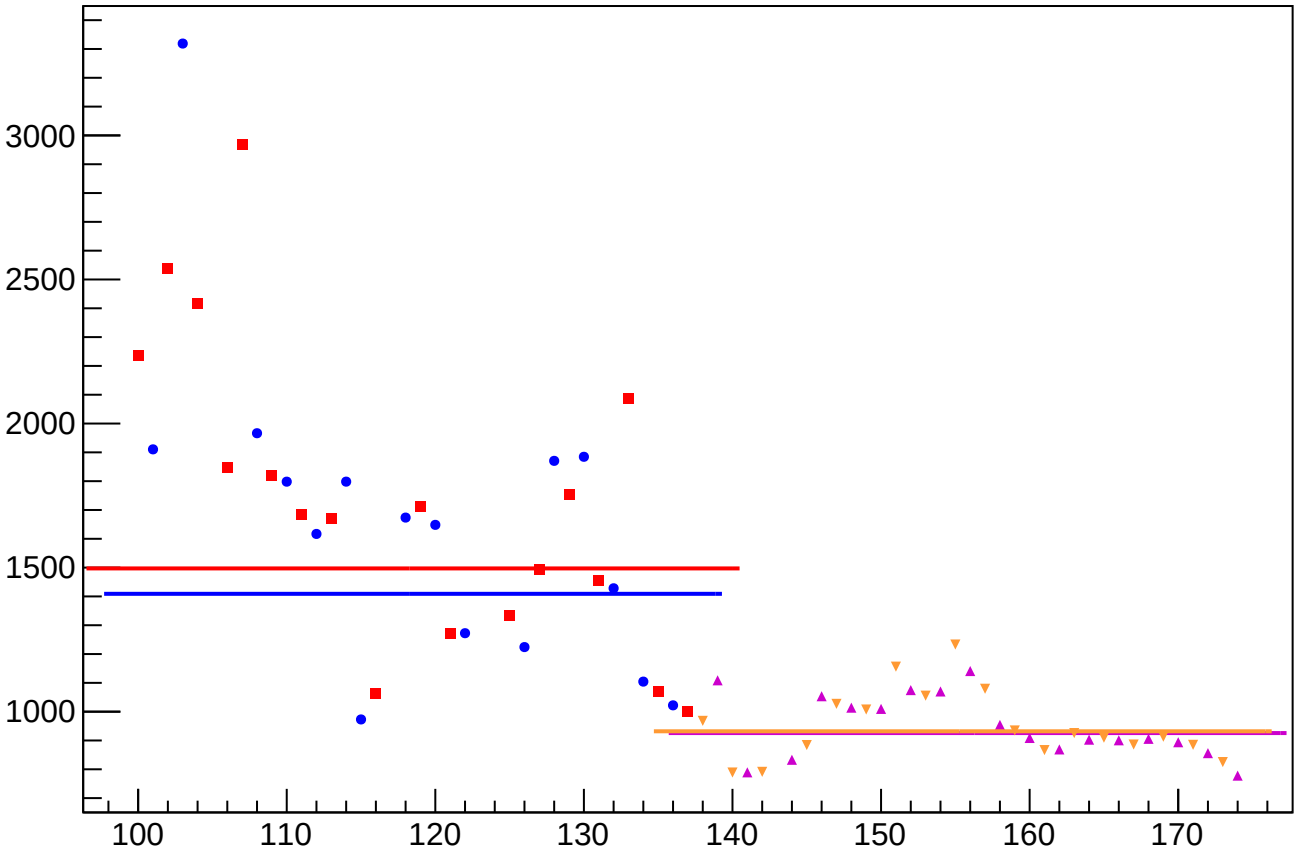
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -154.512+/-242.049 χ^2/NDF:22.1/17

+ sign -1081.255+/-227.284 χ^2/NDF: 76.8/33

All: -667.824+/-159.415 χ^2/NDF: 120.5/69

- 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: 931.889+/-0.177 χ^2/NDF:372771.2/17

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

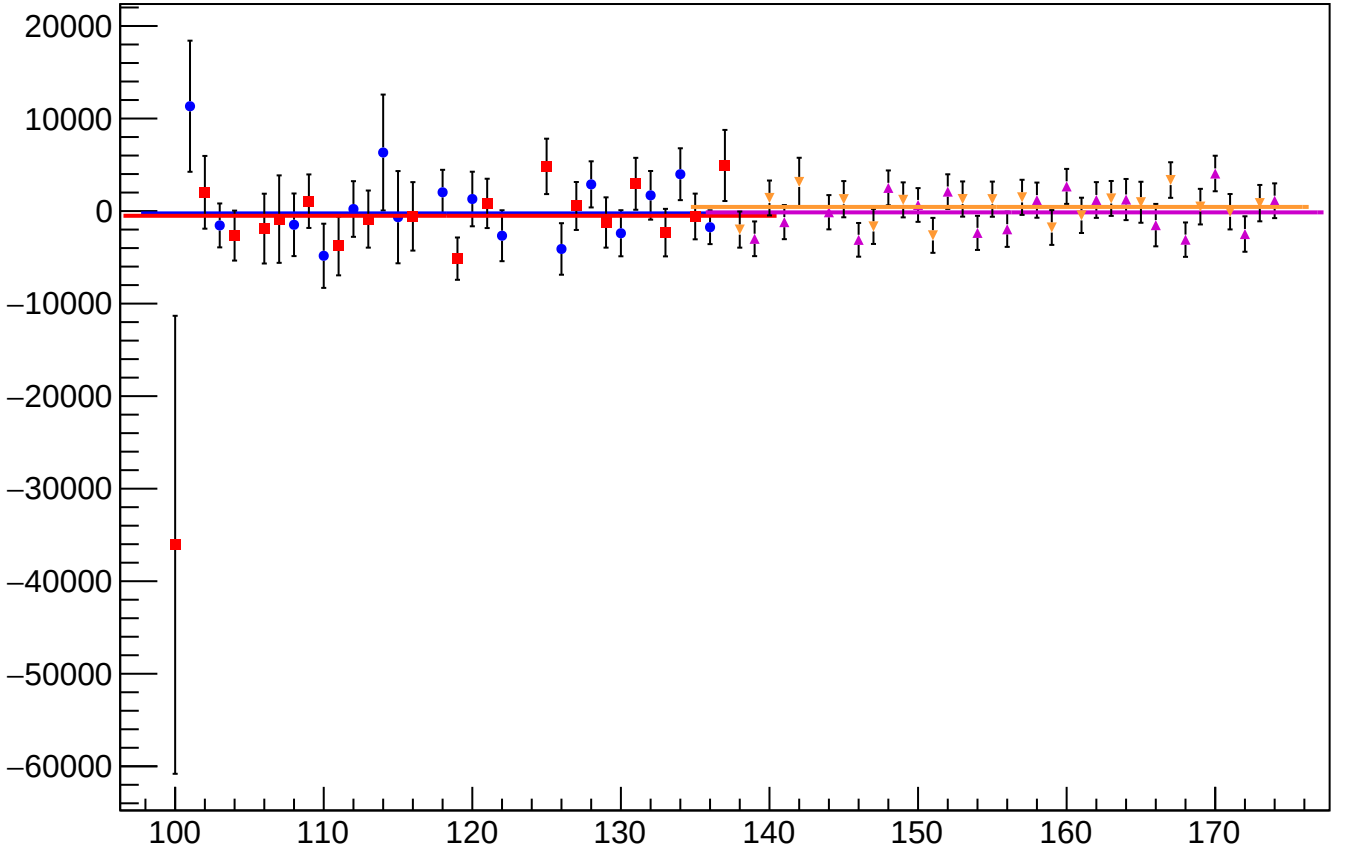
Left In: 925.752+/-0.171 χ^2/NDF:380275.0/17

+ sign 1013.443+/-0.161 χ^2/NDF: 2788849.3/33

All: 1011.339+/-0.113 χ^2/NDF: 5817285.9/69

- 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: 447.591+/-459.514 χ^2/NDF:12.1/17

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

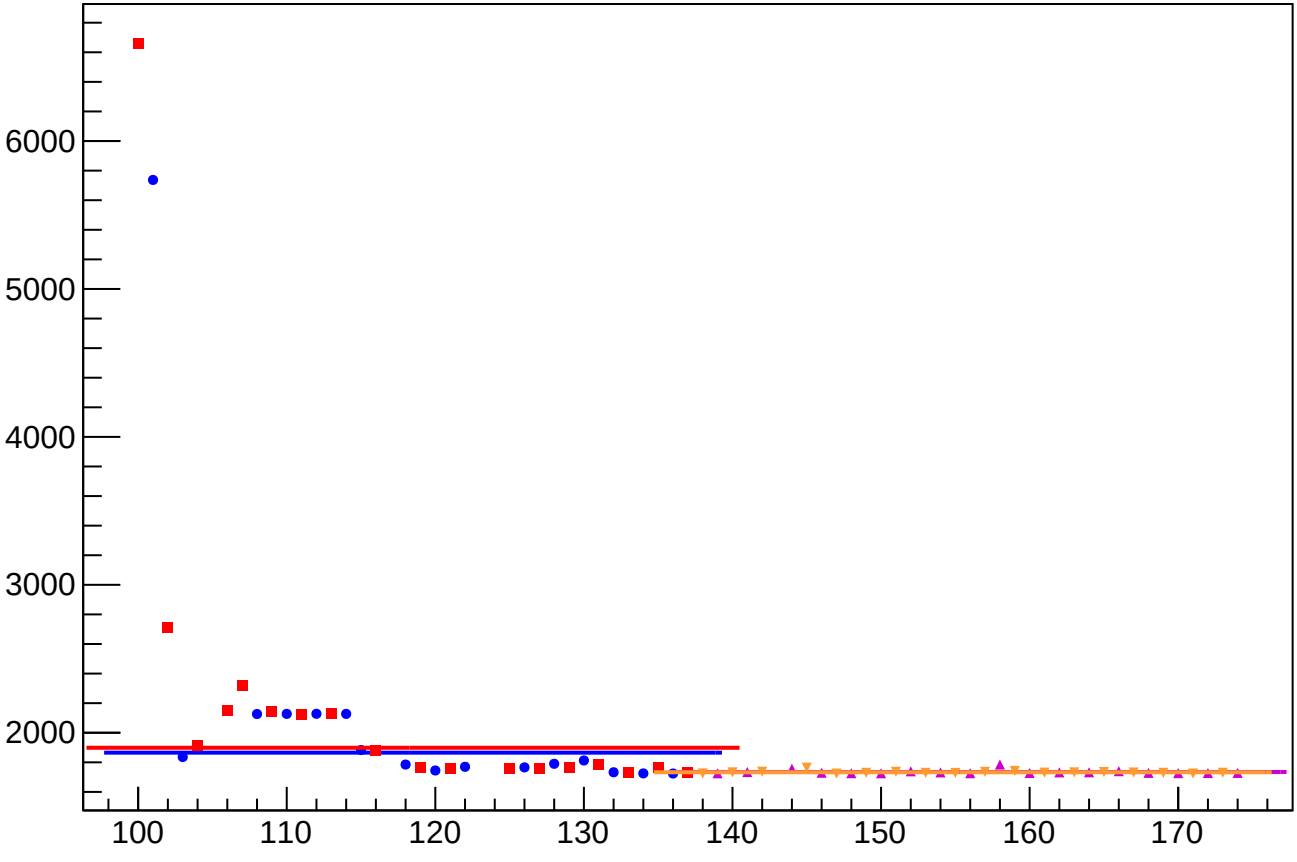
Left In: -141.532+/-449.703 χ^2/NDF:24.4/17

+ sign 241.043+/-385.765 χ^2/NDF: 28.5/33

All: -5.631+/-270.981 χ^2/NDF: 70.3/69

- 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: 1732.674+/-0.325 χ^2/NDF:724.3/17

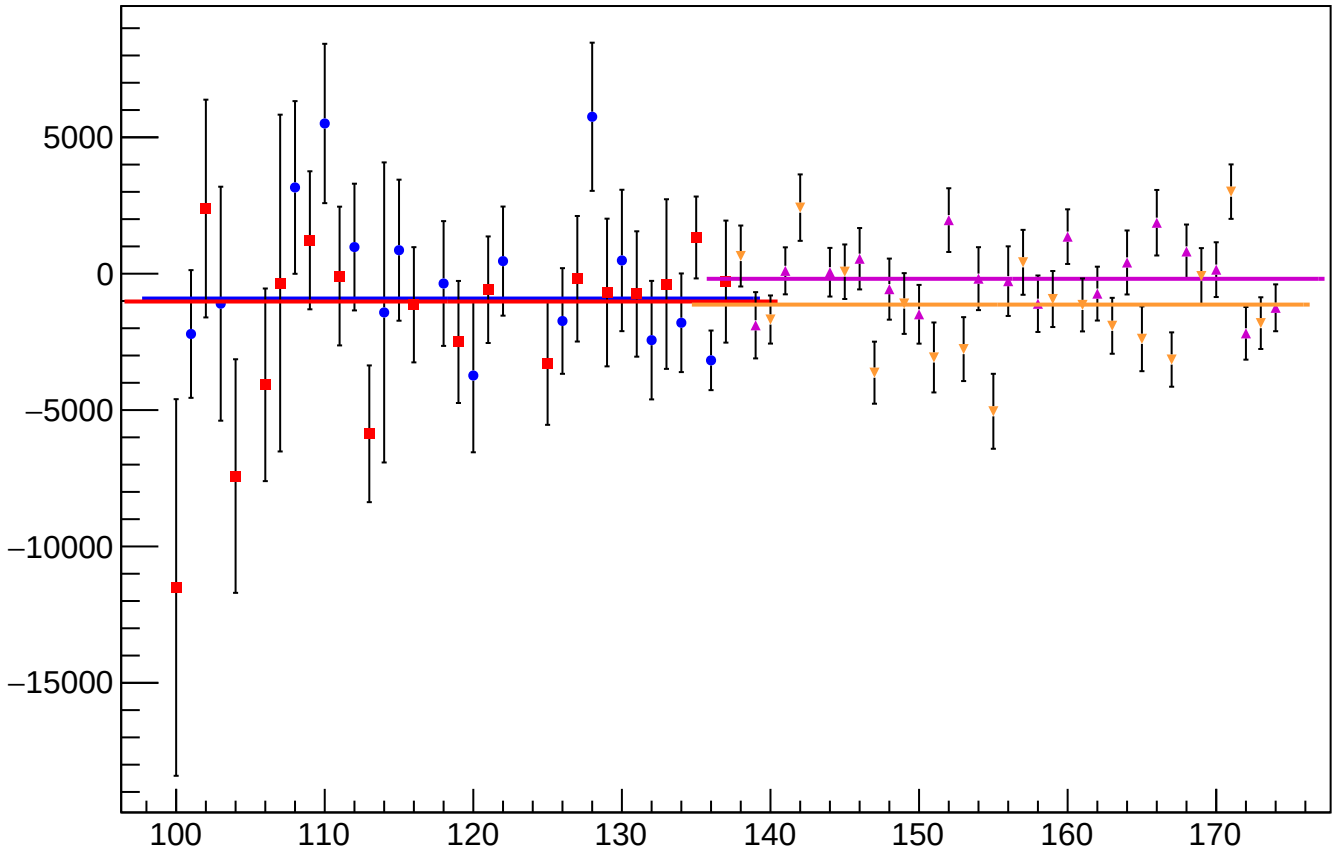
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.831+/-0.318 χ^2/NDF:2032.6/17

+ sign 1771.871+/-0.273 χ^2/NDF: 725004.8/33

All: 1776.602+/-0.192 χ^2/NDF: 1071862.0/69

- 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: -1133.027+/-252.710 χ^2/NDF:56.3/17

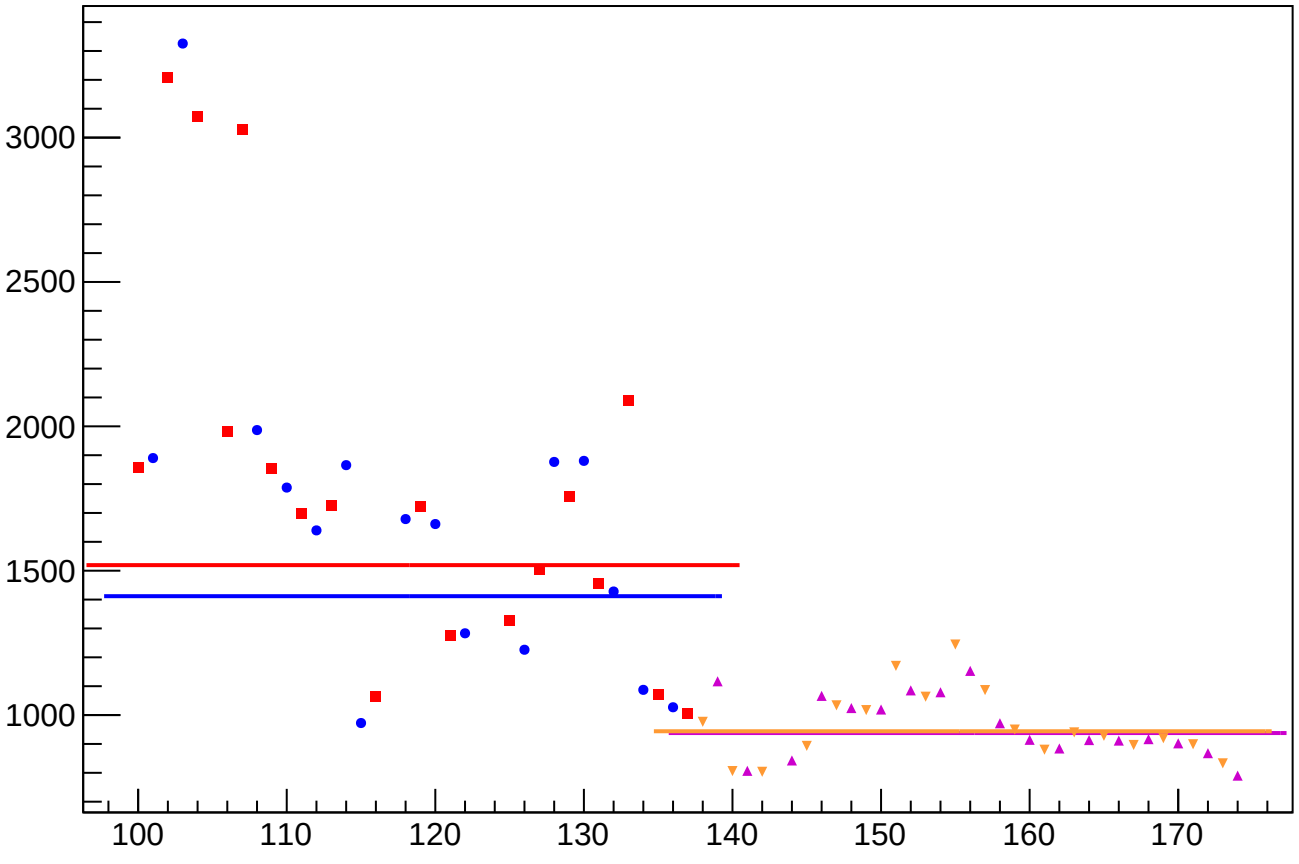
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -187.673+/-245.062 χ^2/NDF:21.2/17

+ sign -1094.414+/-229.691 χ^2/NDF: 77.4/33

All: -696.351+/-161.242 χ^2/NDF: 121.2/69

- sign -309.594+/-226.406 χ^2/NDF: 37.8/35



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 943.928+/-0.179 χ^2/NDF:357260.2/17

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

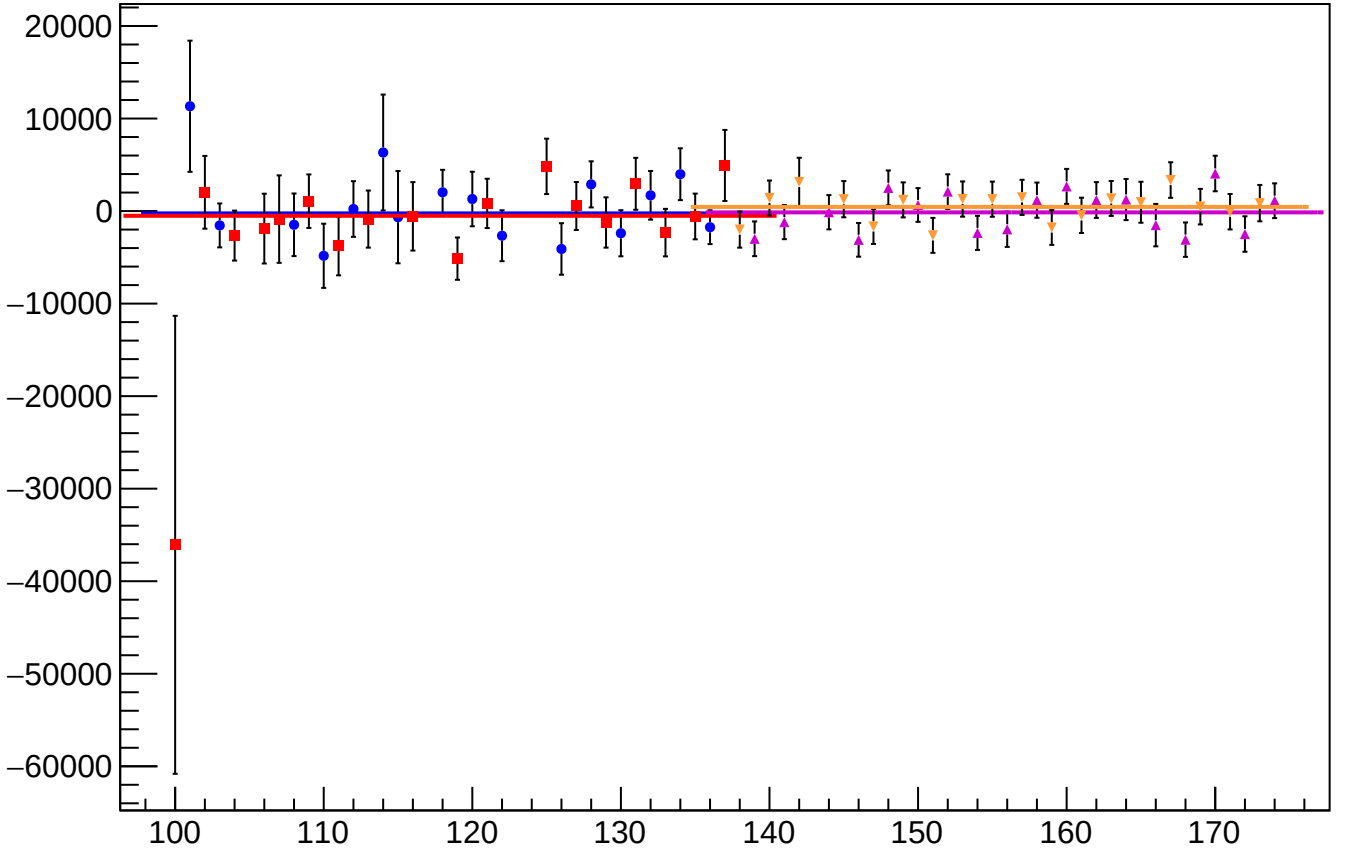
Left In: 937.749+/-0.173 χ^2/NDF:364529.5/17

+ sign 1025.272+/-0.162 χ^2/NDF: 2726759.8/33

All: 1024.081+/-0.114 χ^2/NDF: 6101149.2/69

- 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: 447.591+/-459.514 χ^2/NDF:12.1/17

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

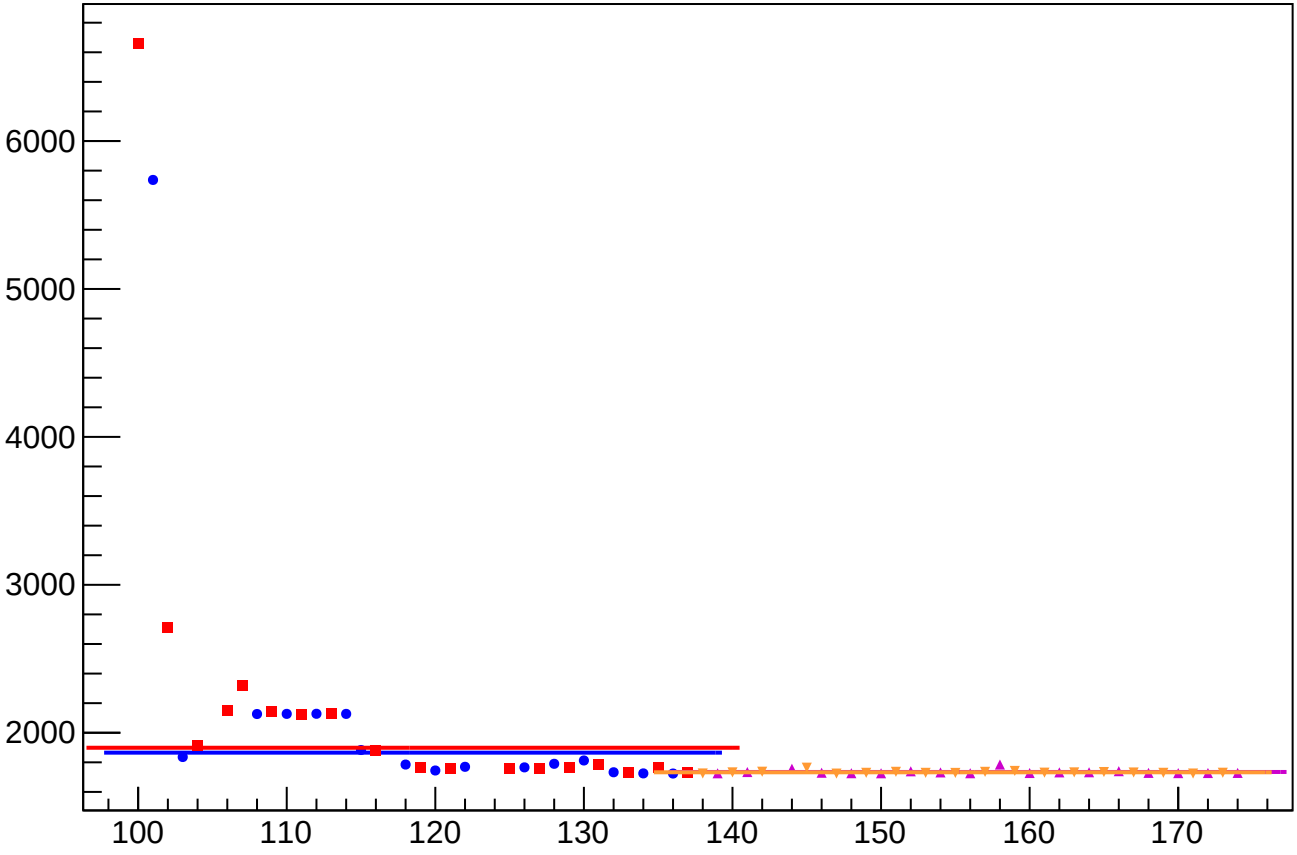
Left In: -141.532+/-449.703 χ^2/NDF:24.4/17

+ sign 241.043+/-385.765 χ^2/NDF: 28.5/33

All: -5.631+/-270.981 χ^2/NDF: 70.3/69

- 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: 1732.674+/-0.325 χ^2/NDF:724.3/17

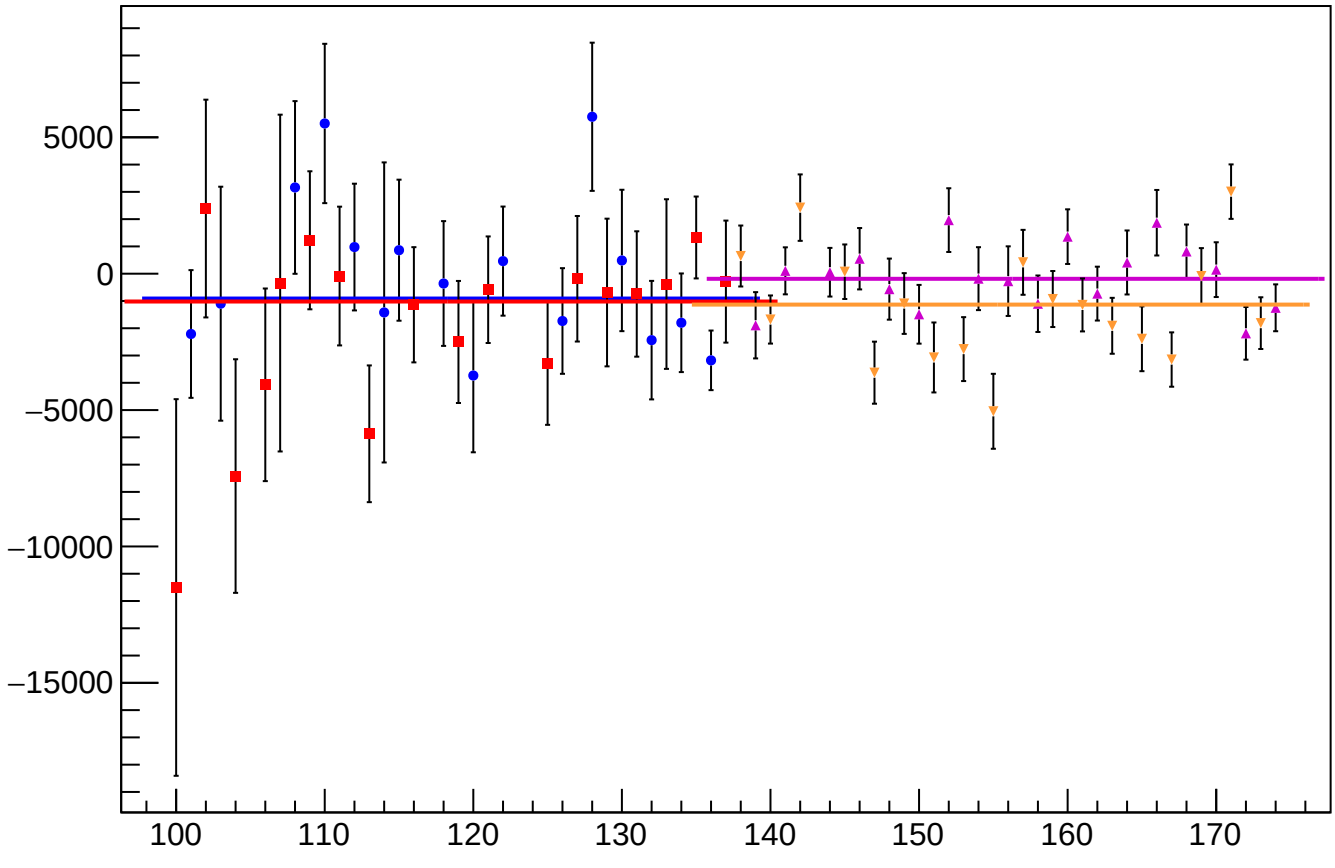
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1734.831+/-0.318 χ^2/NDF:2032.6/17

+ sign 1771.871+/-0.273 χ^2/NDF: 725004.8/33

All: 1776.602+/-0.192 χ^2/NDF: 1071861.7/69

- 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: -1133.027+/-252.710 χ^2/NDF:56.3/17

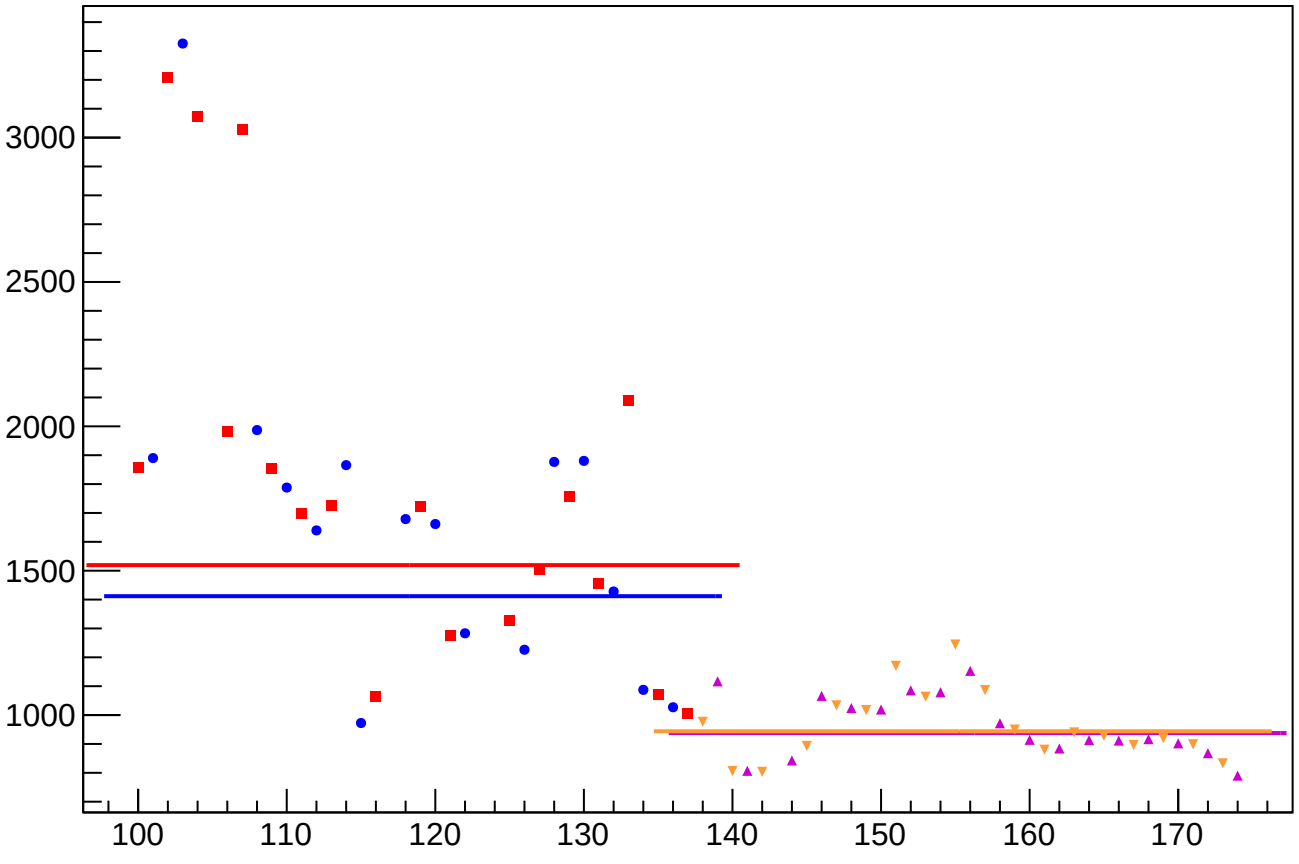
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -187.671+/-245.061 χ^2/NDF:21.2/17

+ sign -1094.412+/-229.691 χ^2/NDF: 77.4/33

All: -696.349+/-161.242 χ^2/NDF: 121.2/69

- 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: 943.928+/-0.179 χ^2/NDF:357268.7/17

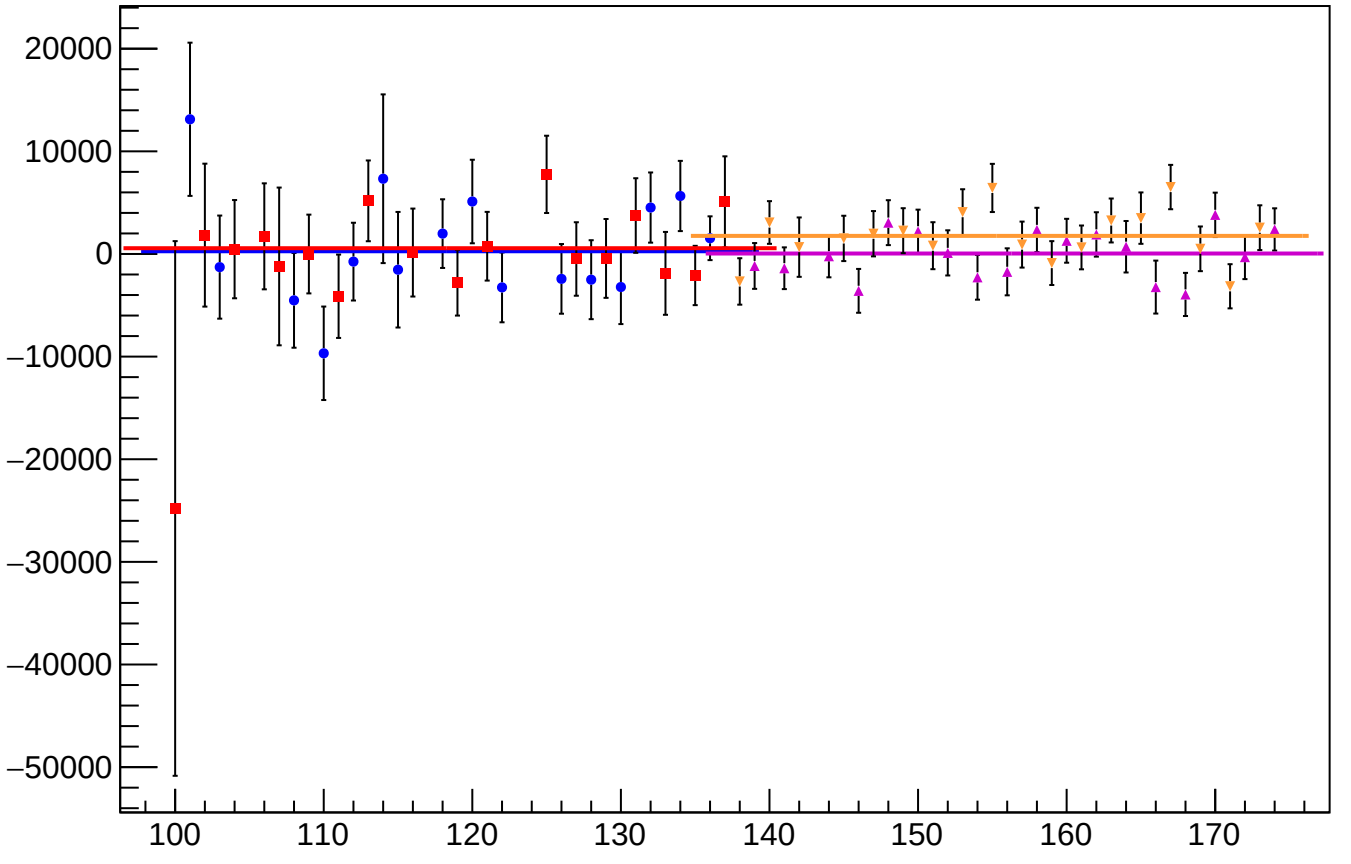
Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 937.749+/-0.173 χ^2/NDF:364537.9/17

+ sign 1025.271+/-0.162 χ^2/NDF: 2726758.3/33

All: 1024.080+/-0.114 χ^2/NDF: 6101150.8/69

- sign 1022.923+/-0.160 χ^2/NDF: 3374286.5/35



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1762.101+/-526.700 χ^2/NDF:23.1/17

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

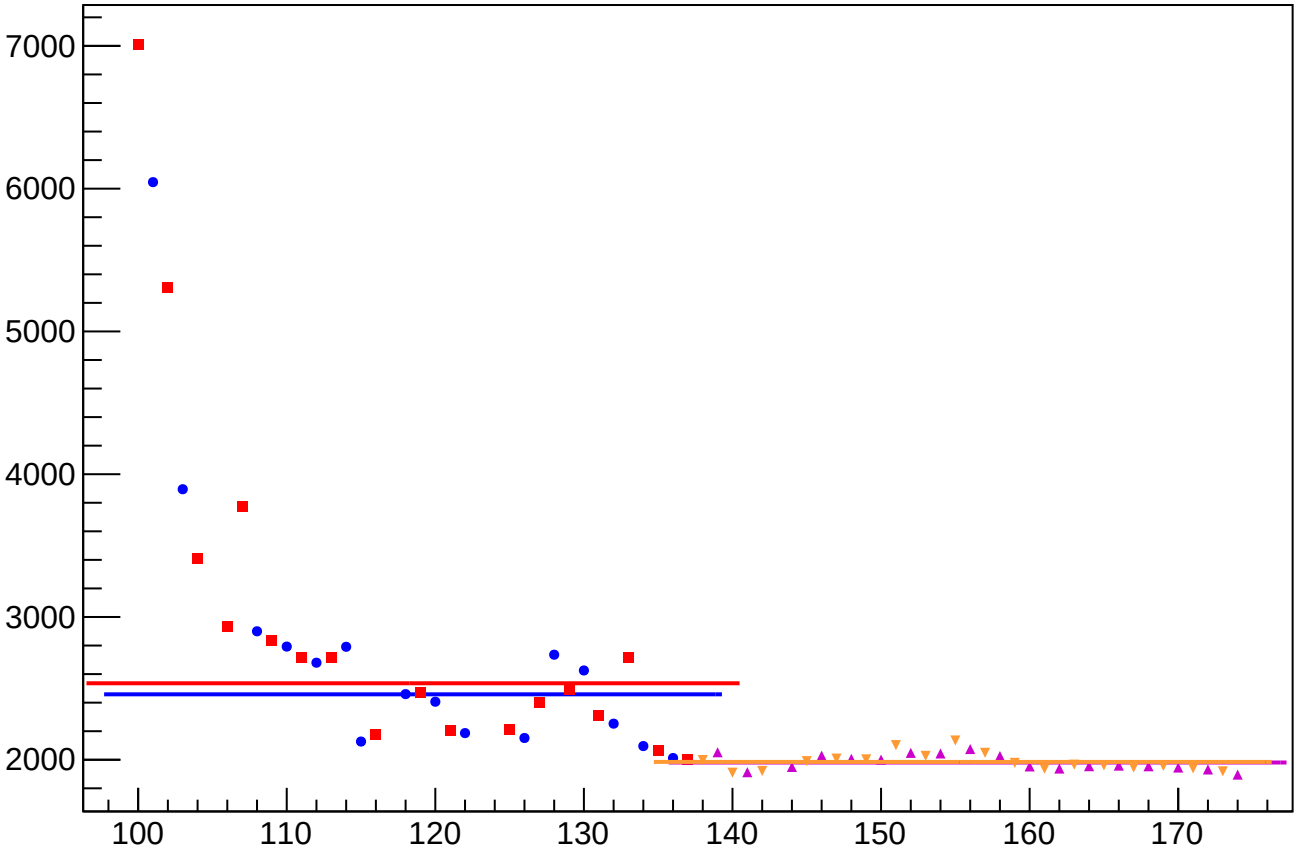
Left In: 44.808+/-513.673 χ^2/NDF:20.2/17

+ sign 1405.380+/-459.717 χ^2/NDF: 44.1/33

All: 773.396+/-322.748 χ^2/NDF: 80.0/69

- 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: 1984.841+/-0.372 χ^2/NDF:24905.9/17

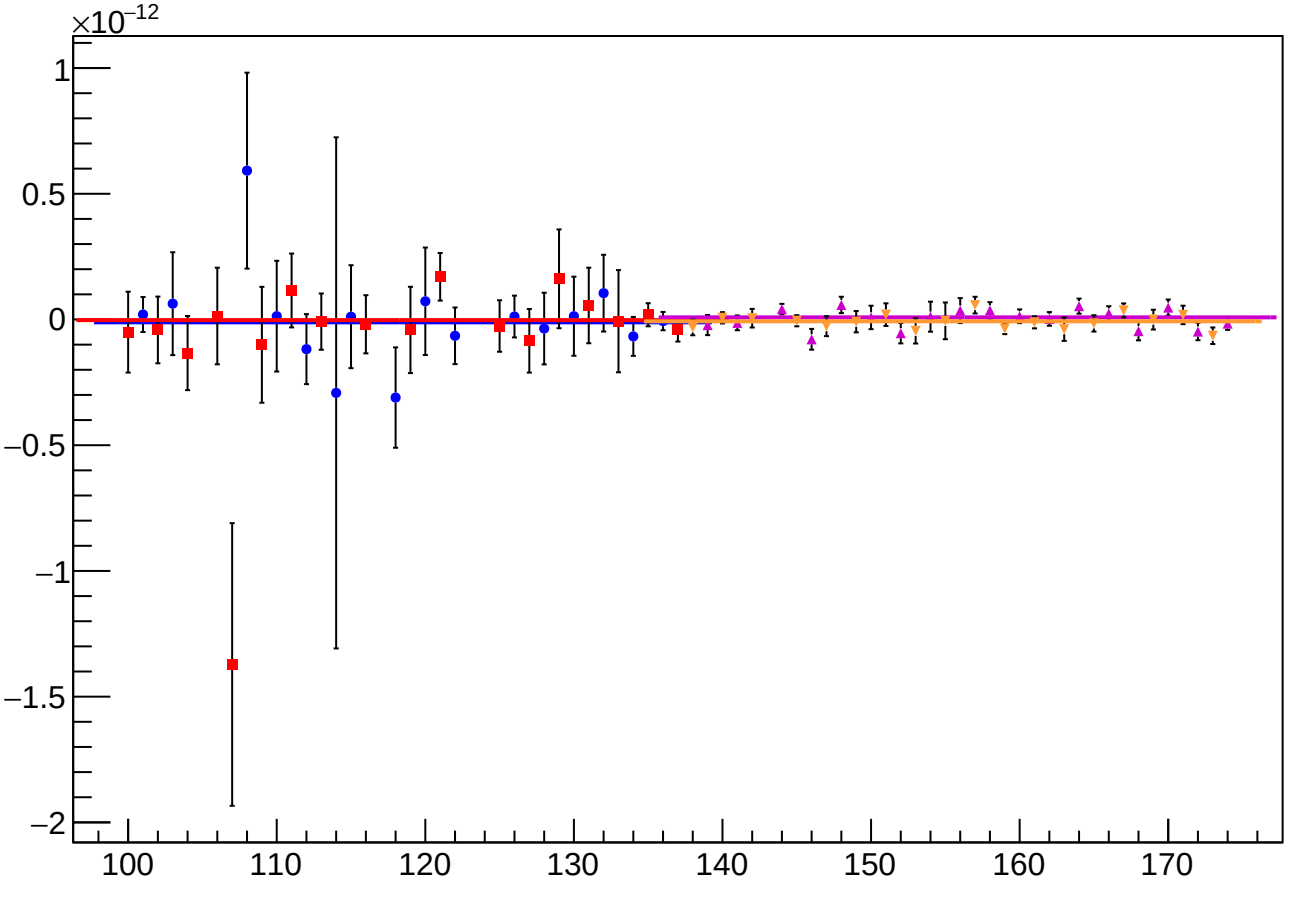
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1980.741+/-0.363 χ^2/NDF:20774.7/17

+ sign 2097.615+/-0.325 χ^2/NDF: 1242762.8/33

All: 2100.699+/-0.228 χ^2/NDF: 2454335.5/69

- 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:14.2/17

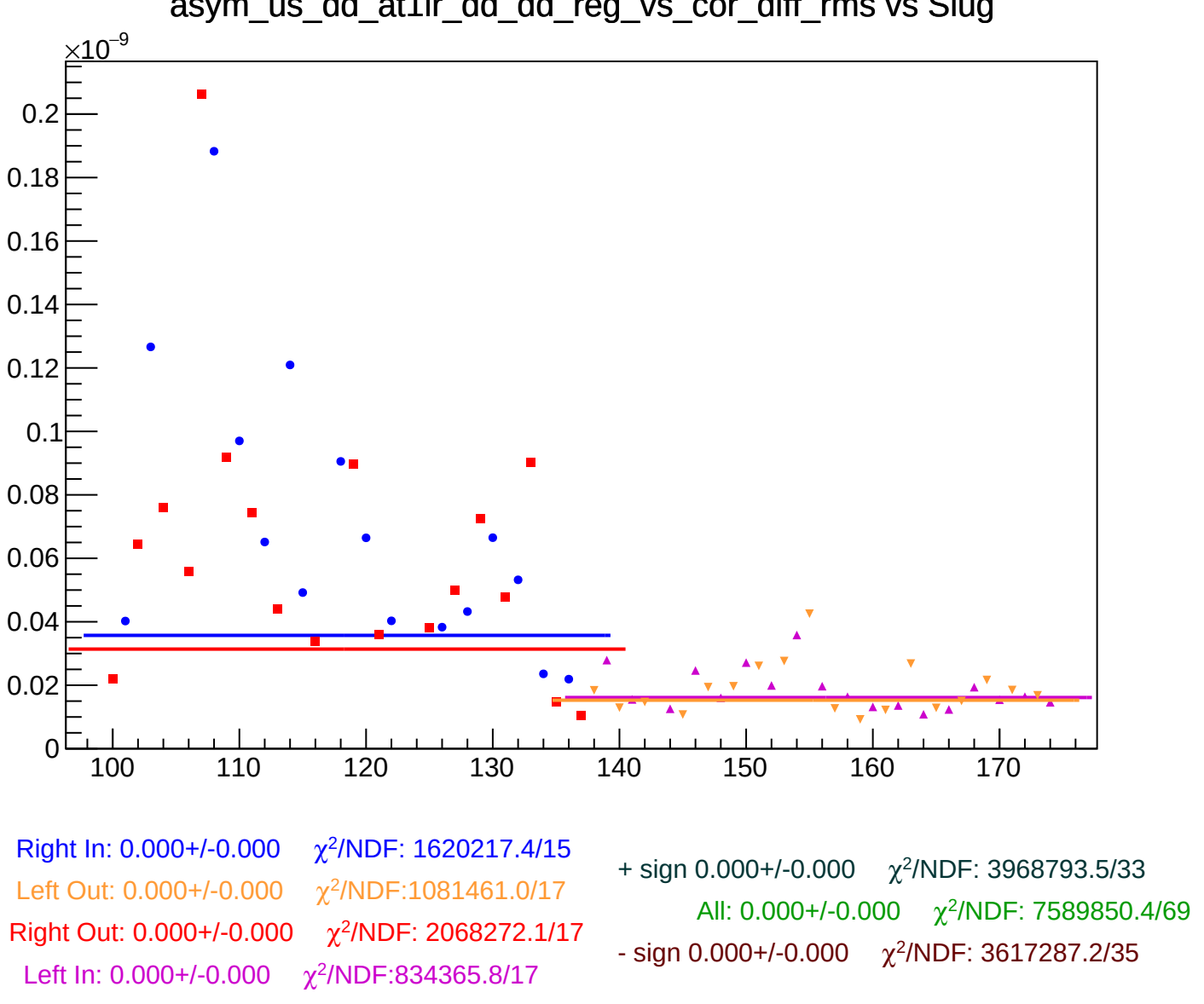
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

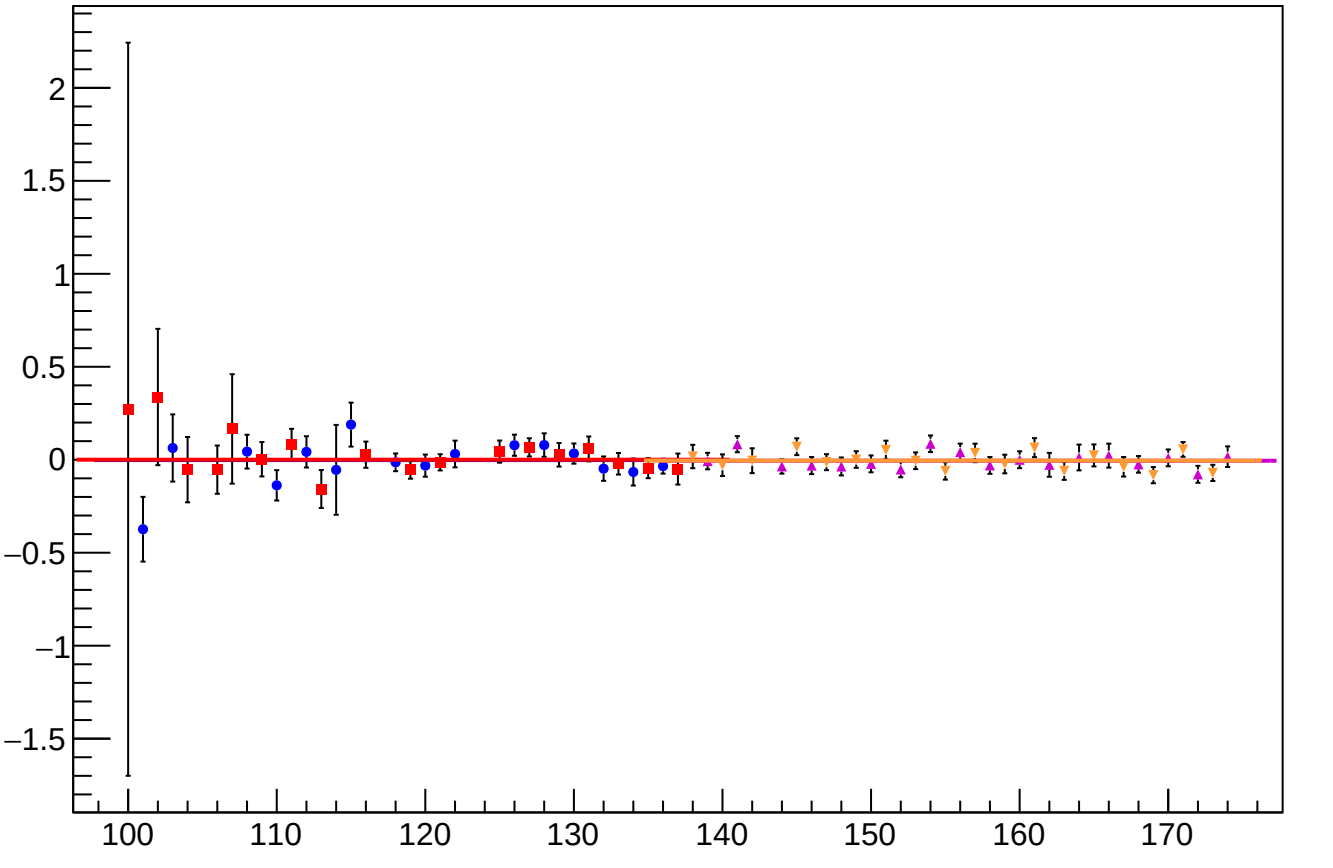
Left In: 0.000+/-0.000 χ^2/NDF:23.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 21.6/33

All: -0.000+/-0.000 χ^2/NDF: 60.8/69

- sign 0.000+/-0.000 χ^2/NDF: 37.0/35


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1081461.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:834365.8/17
+ sign 0.000+/-0.000 χ²/NDF: 3968793.5/33
All: 0.000+/-0.000 χ²/NDF: 7589850.4/69
- sign 0.000+/-0.000 χ²/NDF: 3617287.2/35



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.004+/-0.011 χ^2/NDF:18.2/17

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

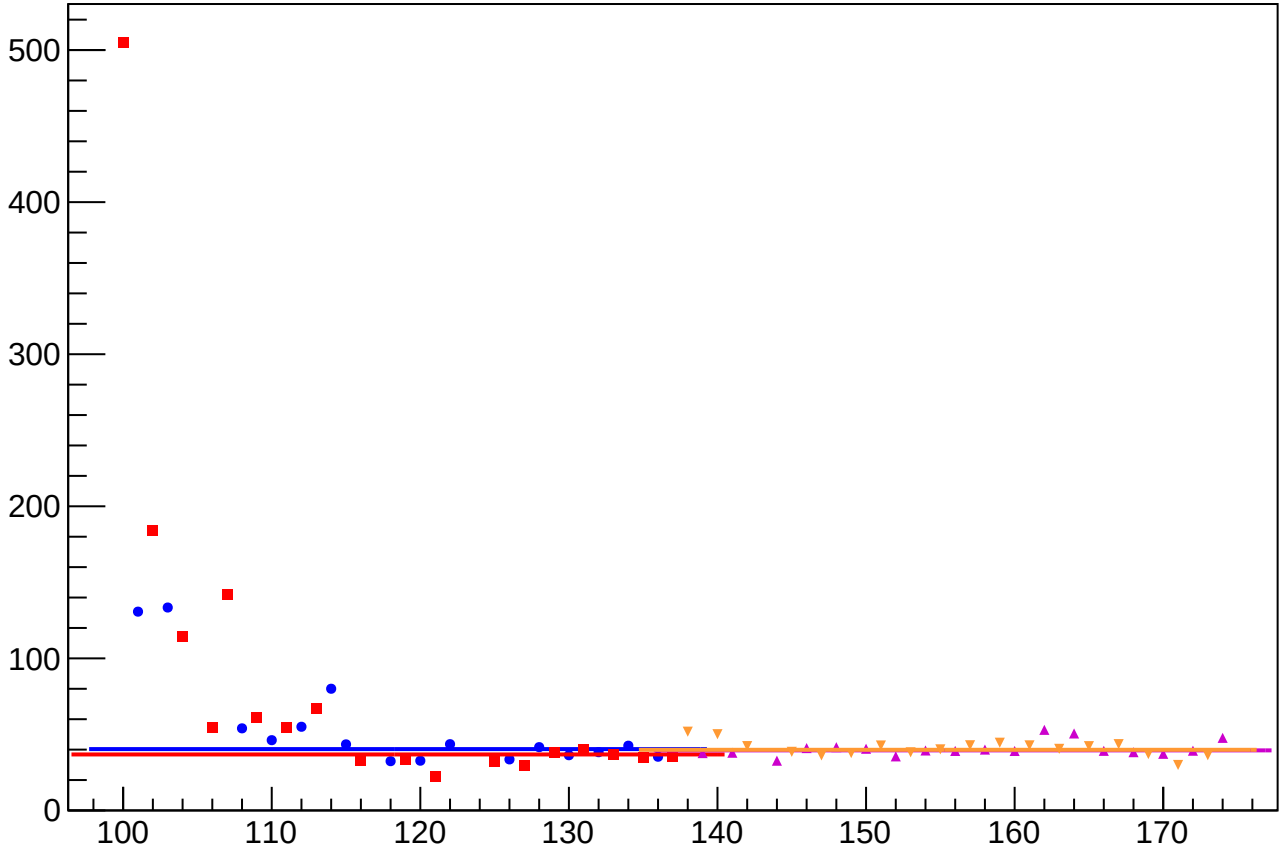
Left In: -0.005+/-0.011 χ^2/NDF:15.8/17

+ sign -0.004+/-0.010 χ^2/NDF: 35.3/33

All: -0.004+/-0.007 χ^2/NDF: 62.1/69

- 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: 39.885+/-0.008 χ^2/NDF:359970.4/17

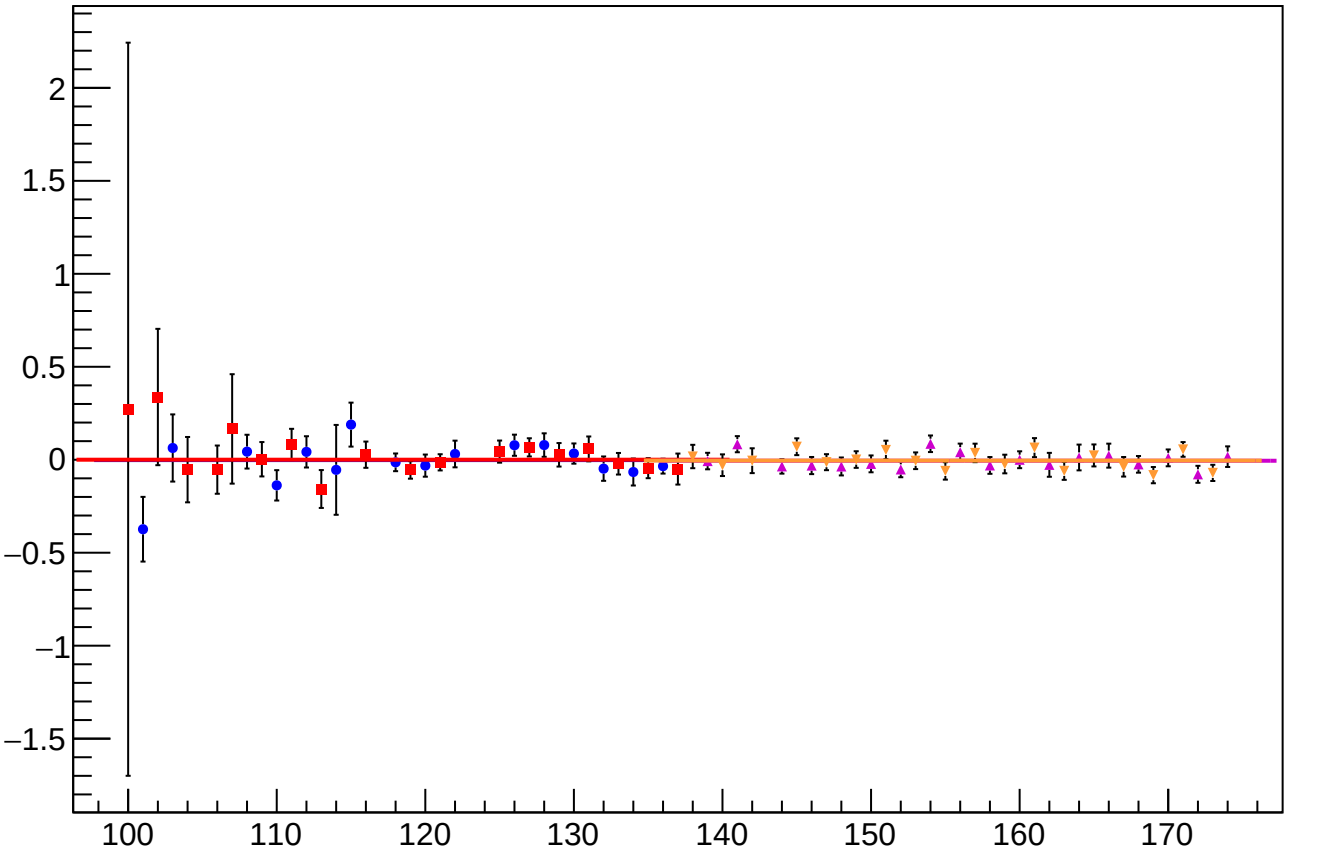
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.507+/-0.008 χ^2/NDF:282053.3/17

\+ sign 40.030+/-0.007 χ^2/NDF: 1771138.5/33

All: 39.336+/-0.005 χ^2/NDF: 3946815.8/69

\- 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: -0.004+/-0.011 χ^2/NDF:18.2/17

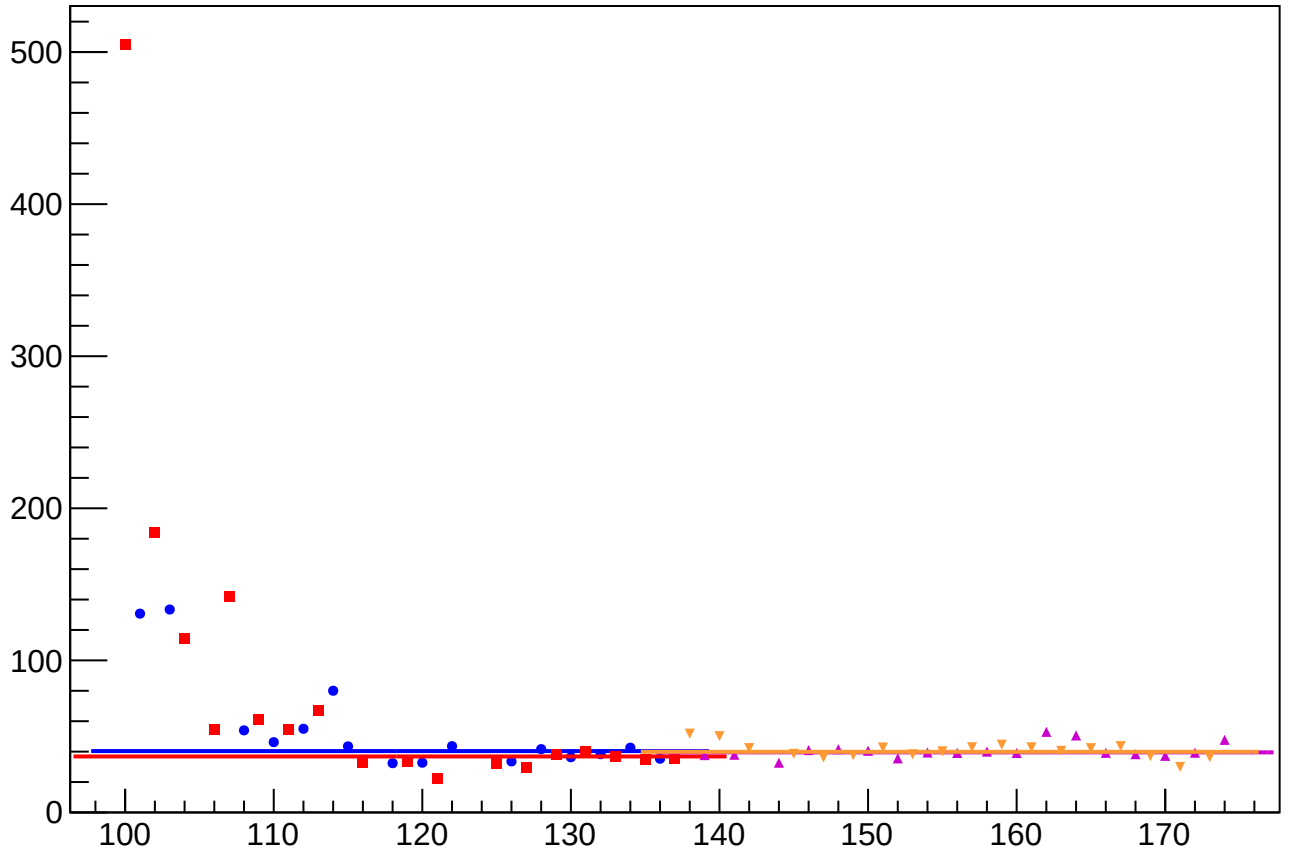
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.005+/-0.011 χ^2/NDF:15.8/17

+ sign -0.004+/-0.010 χ^2/NDF: 35.3/33

All: -0.004+/-0.007 χ^2/NDF: 62.1/69

- 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: 39.885+/-0.008 χ^2/NDF:359970.4/17

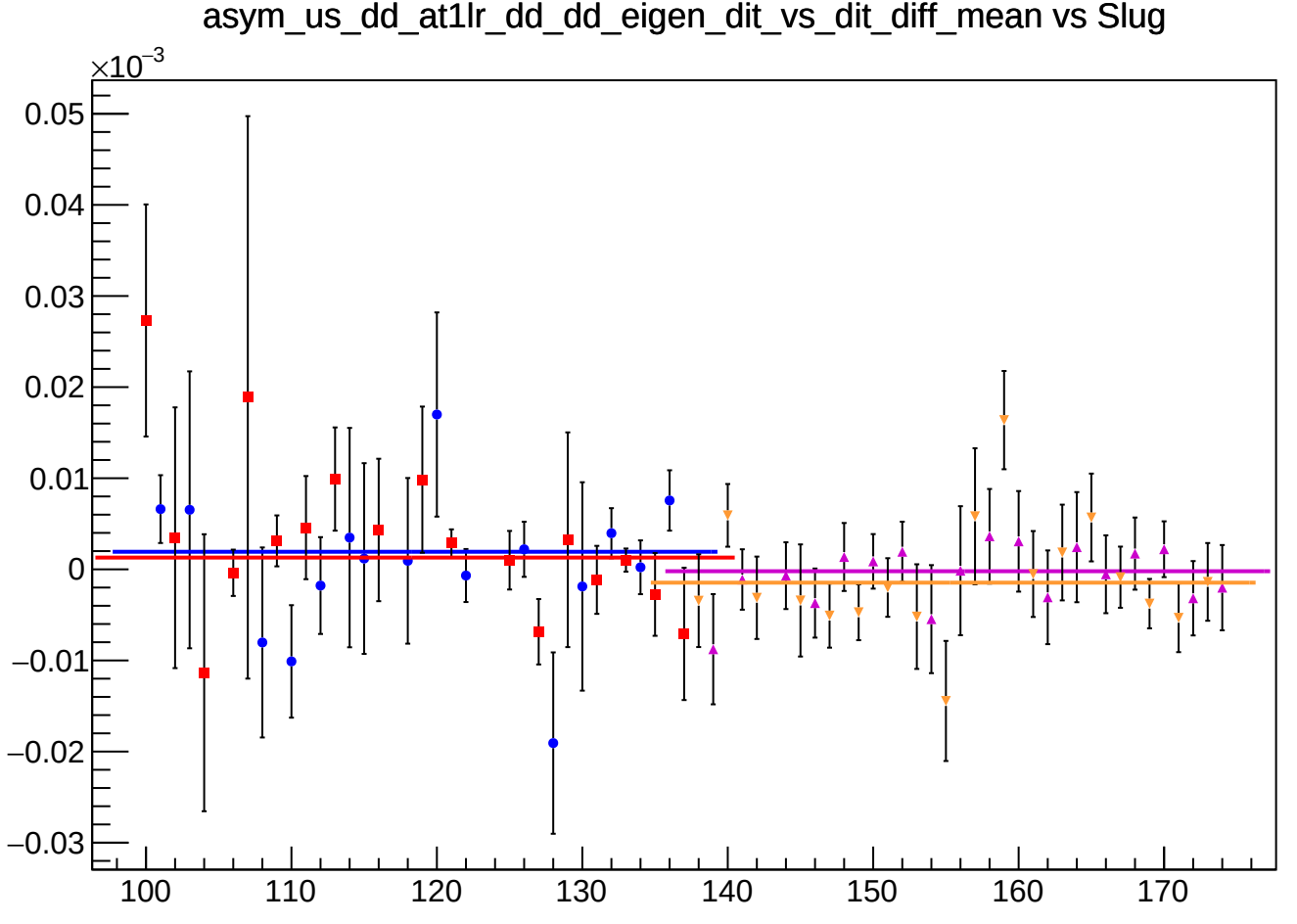
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.507+/-0.008 χ^2/NDF:282053.3/17

\+ sign 40.030+/-0.007 χ^2/NDF: 1771138.5/33

All: 39.336+/-0.005 χ^2/NDF: 3946815.8/69

\- 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:27.8/17

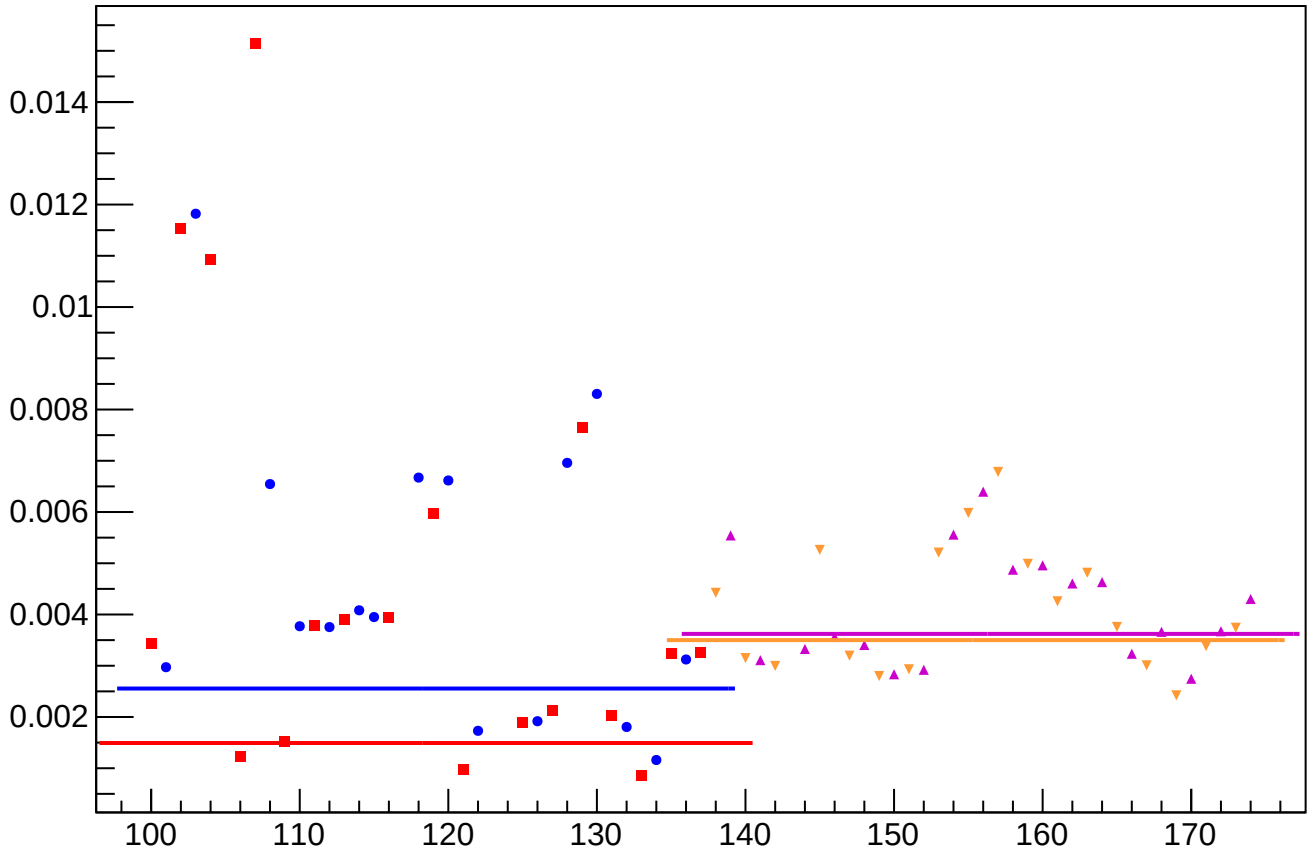
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:7.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 50.8/33

All: 0.000+/-0.000 χ^2/NDF: 79.3/69

- sign 0.000+/-0.000 χ^2/NDF: 27.8/35



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:2006828.4/17

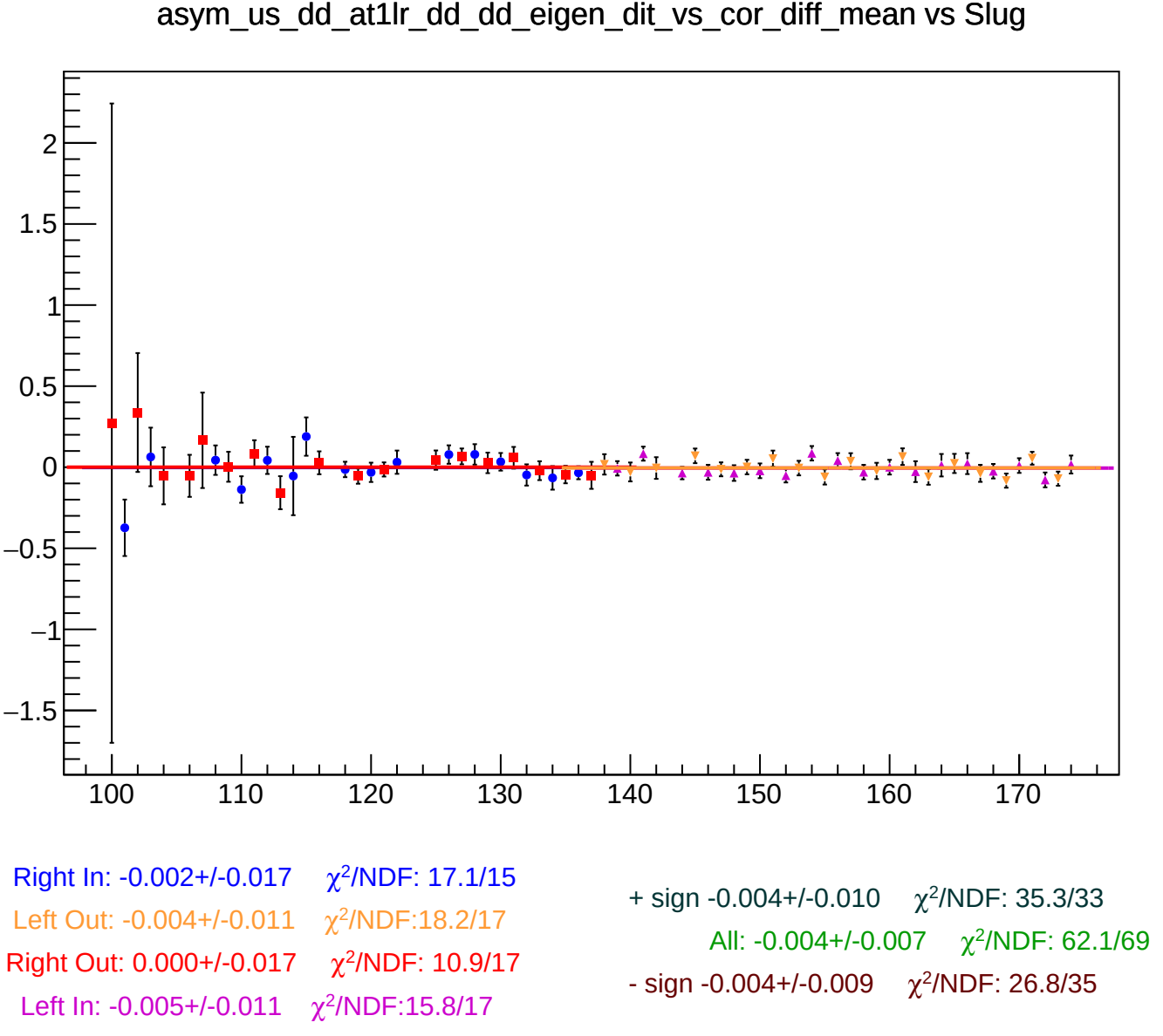
Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

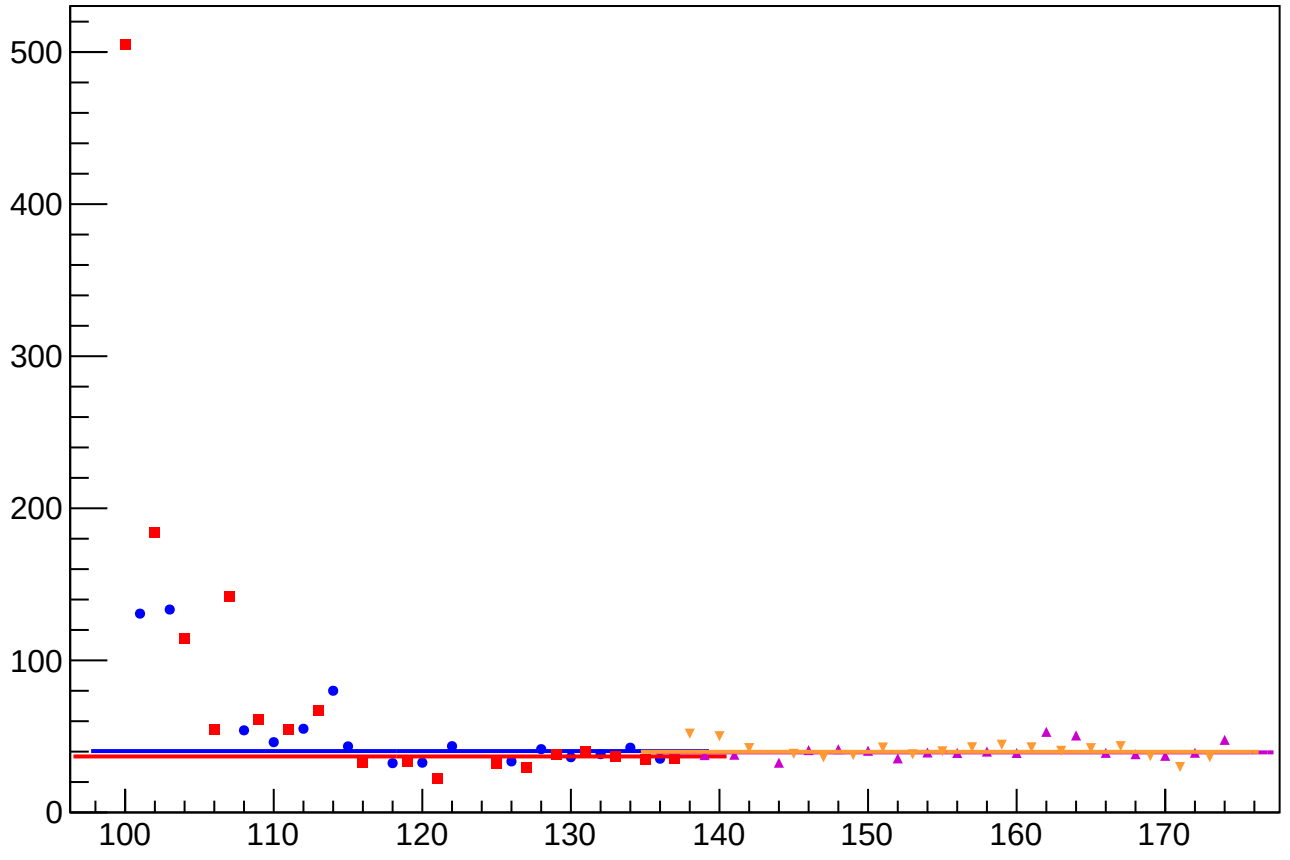
Left In: 0.004+/-0.000 χ^2/NDF:1605232.5/17

+ sign 0.003+/-0.000 χ^2/NDF: 6584640.9/33

All: 0.003+/-0.000 χ^2/NDF: 21217942.4/69

- sign 0.002+/-0.000 χ^2/NDF: 13149059.3/35


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
Right In: -0.002+/-0.017 χ²/NDF: 17.1/15
Left Out: -0.004+/-0.011 χ²/NDF:18.2/17
Right Out: 0.000+/-0.017 χ²/NDF: 10.9/17
Left In: -0.005+/-0.011 χ²/NDF:15.8/17
+ sign -0.004+/-0.010 χ²/NDF: 35.3/33
All: -0.004+/-0.007 χ²/NDF: 62.1/69
- sign -0.004+/-0.009 χ²/NDF: 26.8/35



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 39.884+/-0.008 χ^2/NDF:360007.8/17

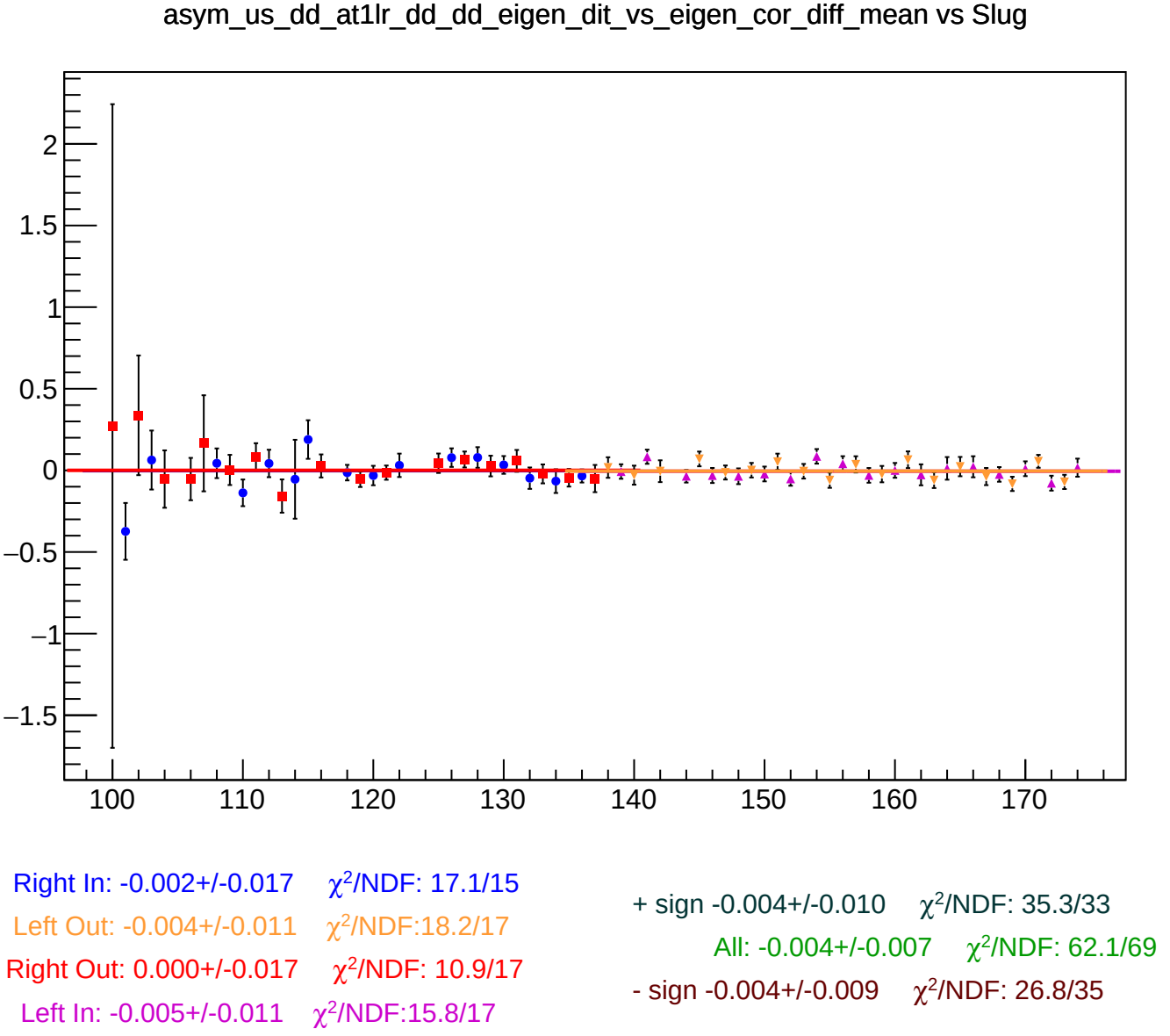
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

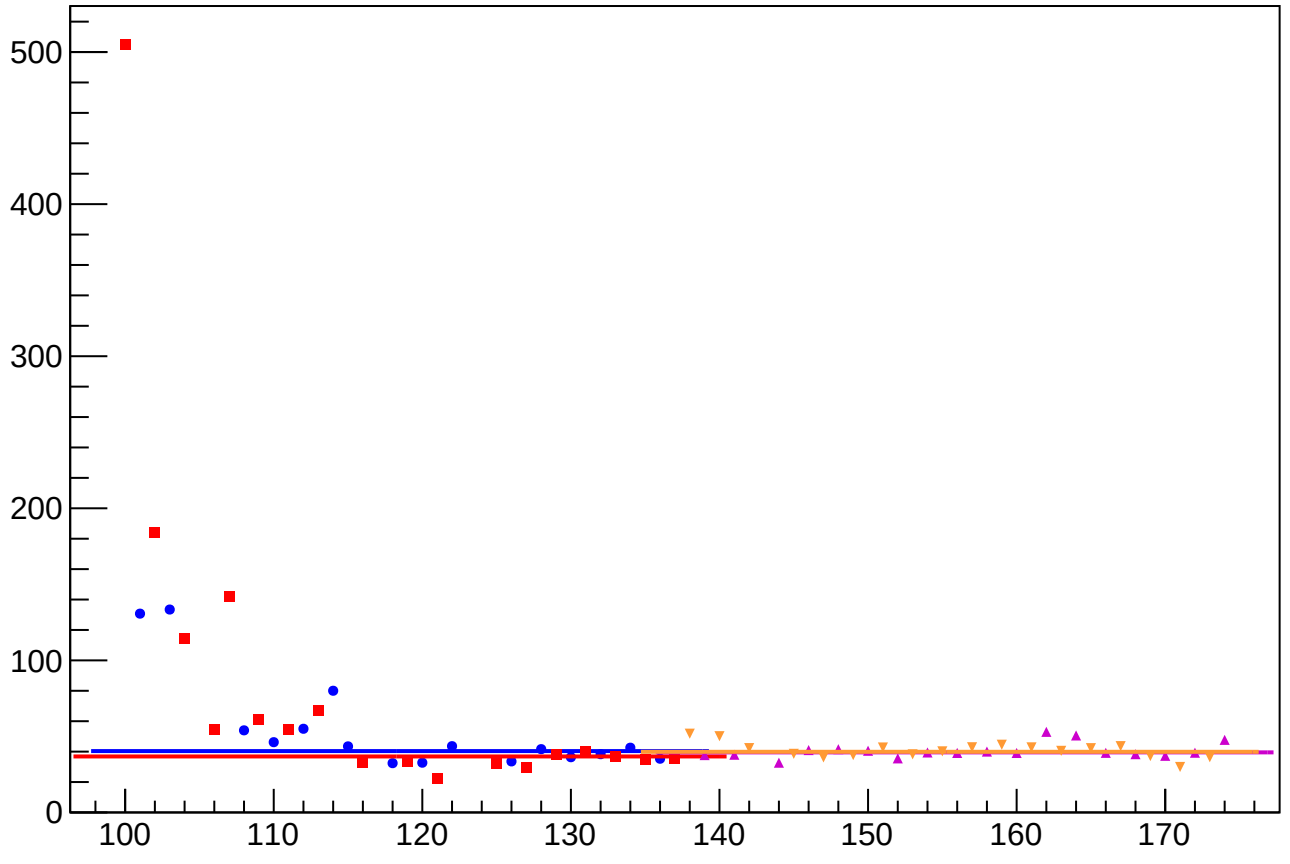
Left In: 39.507+/-0.008 χ^2/NDF:282018.4/17

\+ sign 40.030+/-0.007 χ^2/NDF: 1771078.8/33

All: 39.336+/-0.005 χ^2/NDF: 3946748.7/69

\- 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
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
Right In: -0.002+/-0.017 χ²/NDF: 17.1/15
Left Out: -0.004+/-0.011 χ²/NDF:18.2/17
Right Out: 0.000+/-0.017 χ²/NDF: 10.9/17
Left In: -0.005+/-0.011 χ²/NDF:15.8/17
+ sign -0.004+/-0.010 χ²/NDF: 35.3/33
All: -0.004+/-0.007 χ²/NDF: 62.1/69
- sign -0.004+/-0.009 χ²/NDF: 26.8/35



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 39.884+/-0.008 χ^2/NDF:360007.8/17

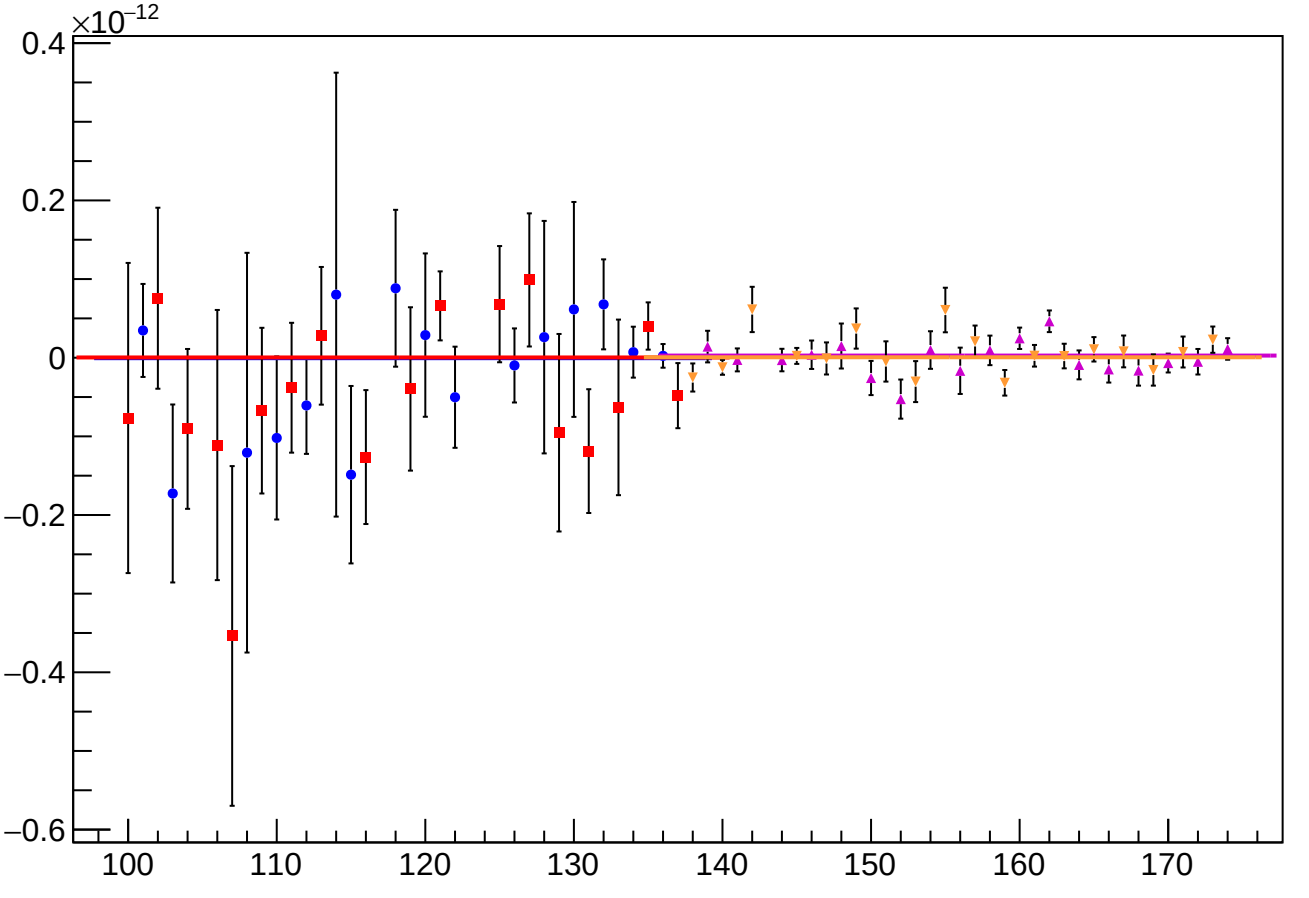
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.507+/-0.008 χ^2/NDF:282018.4/17

\+ sign 40.030+/-0.007 χ^2/NDF: 1771078.8/33

All: 39.336+/-0.005 χ^2/NDF: 3946748.7/69

\- 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:24.6/17

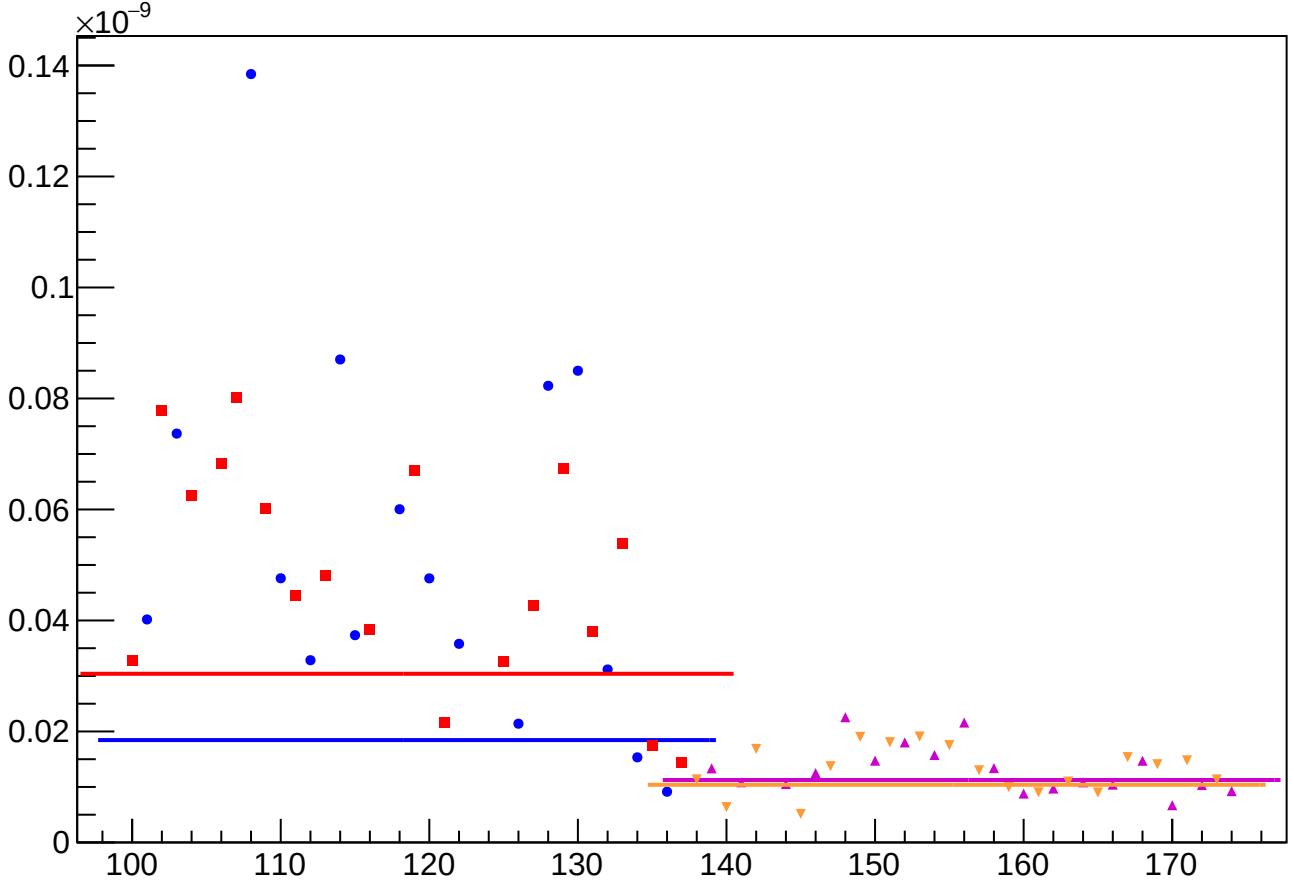
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:24.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 34.4/33

All: 0.000+/-0.000 χ^2/NDF: 77.5/69

- 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:2185682.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

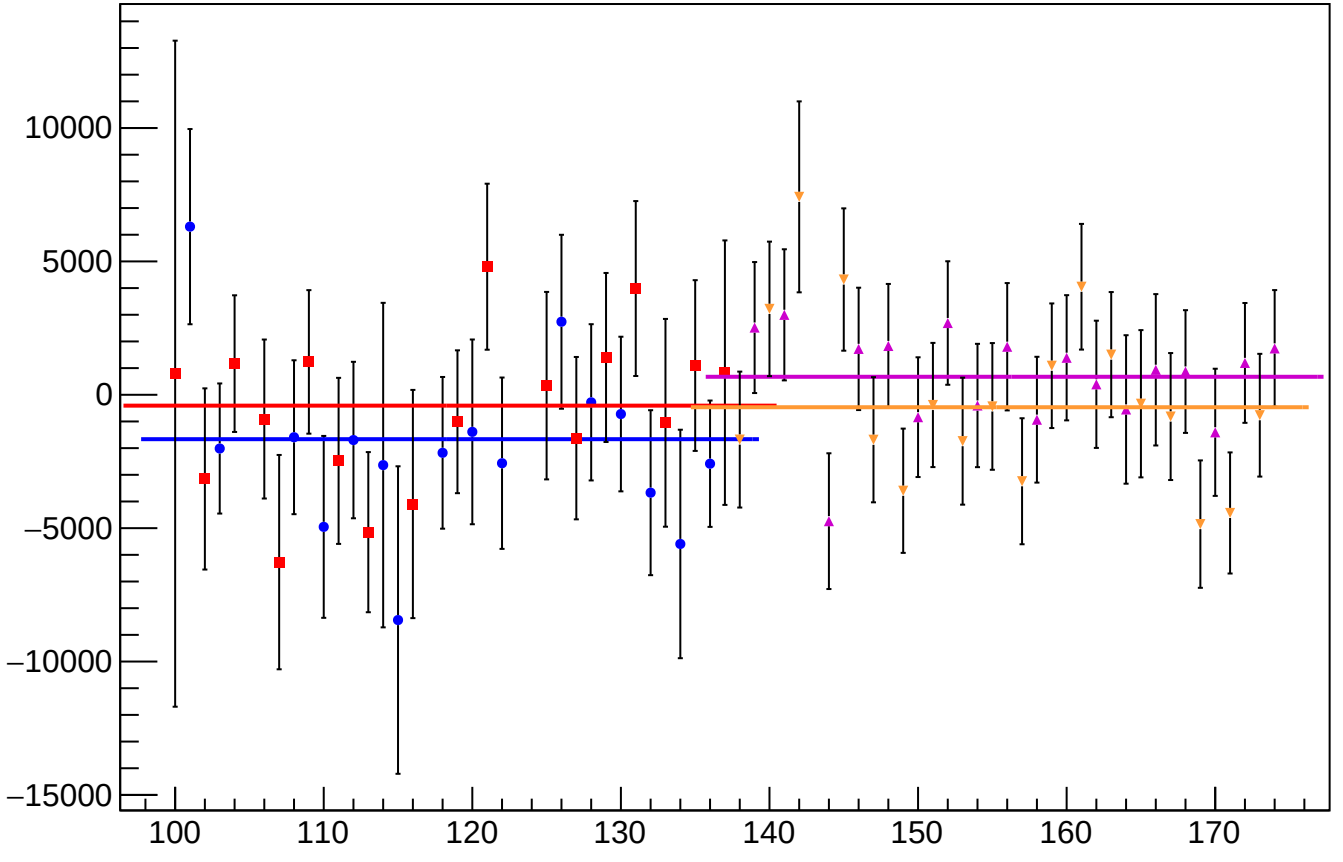
Left In: 0.000+/-0.000 χ^2/NDF:1391431.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 7077801.8/33

All: 0.000+/-0.000 χ^2/NDF: 13490188.7/69

- sign 0.000+/-0.000 χ^2/NDF: 6329611.9/35

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -466.399+/-574.985 χ^2/NDF:25.5/17

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

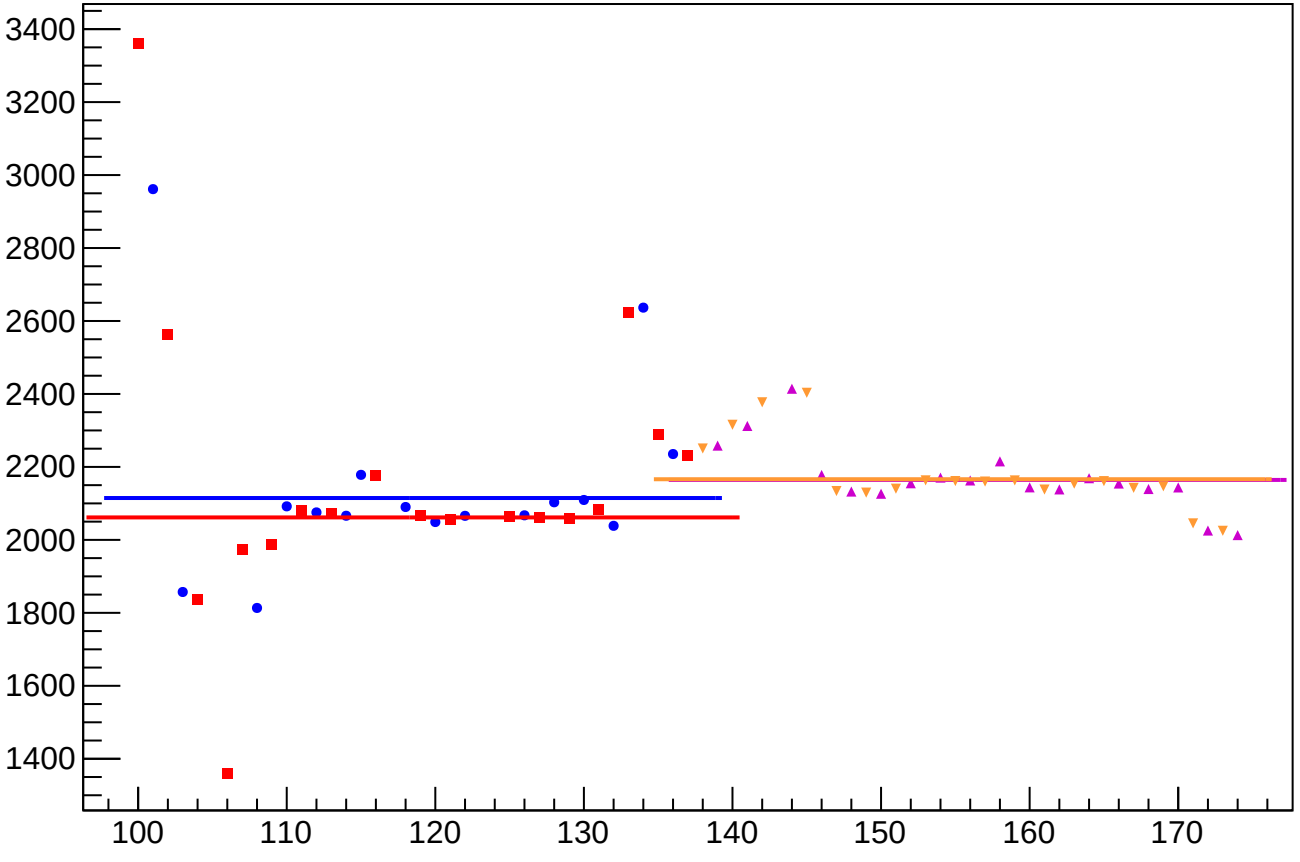
Left In: 674.982+/-561.509 χ^2/NDF:9.9/17

+ sign -879.742+/-465.328 χ^2/NDF: 37.7/33

All: -274.805+/-325.375 χ^2/NDF: 65.0/69

- 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: 2166.207+/-0.407 χ^2/NDF:46983.7/17

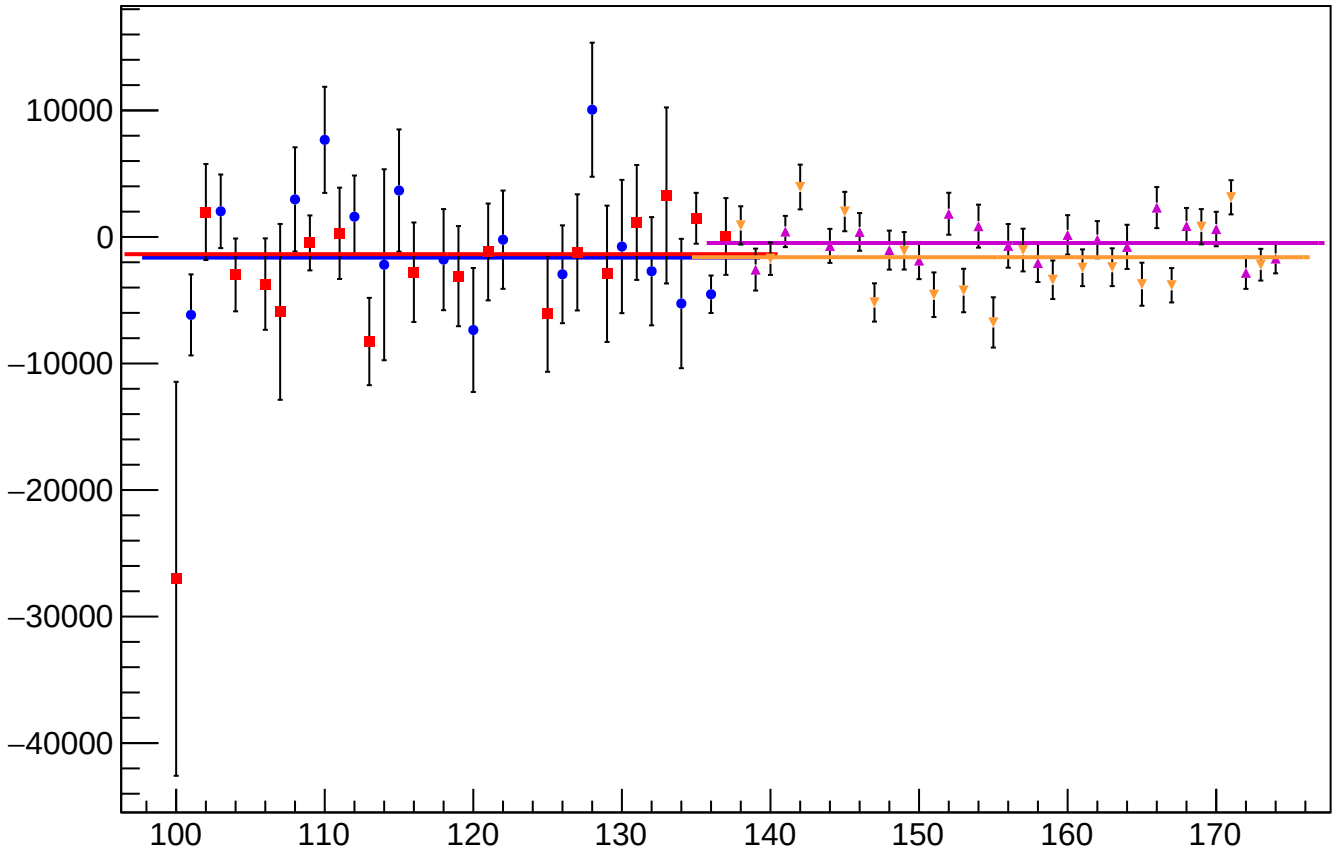
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2164.338+/-0.397 χ^2/NDF:49475.2/17

+ sign 2148.453+/-0.329 χ^2/NDF: 242430.3/33

All: 2138.556+/-0.230 χ^2/NDF: 565844.8/69

- 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: -1600.041+/-356.425 χ^2/NDF:57.4/17

Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

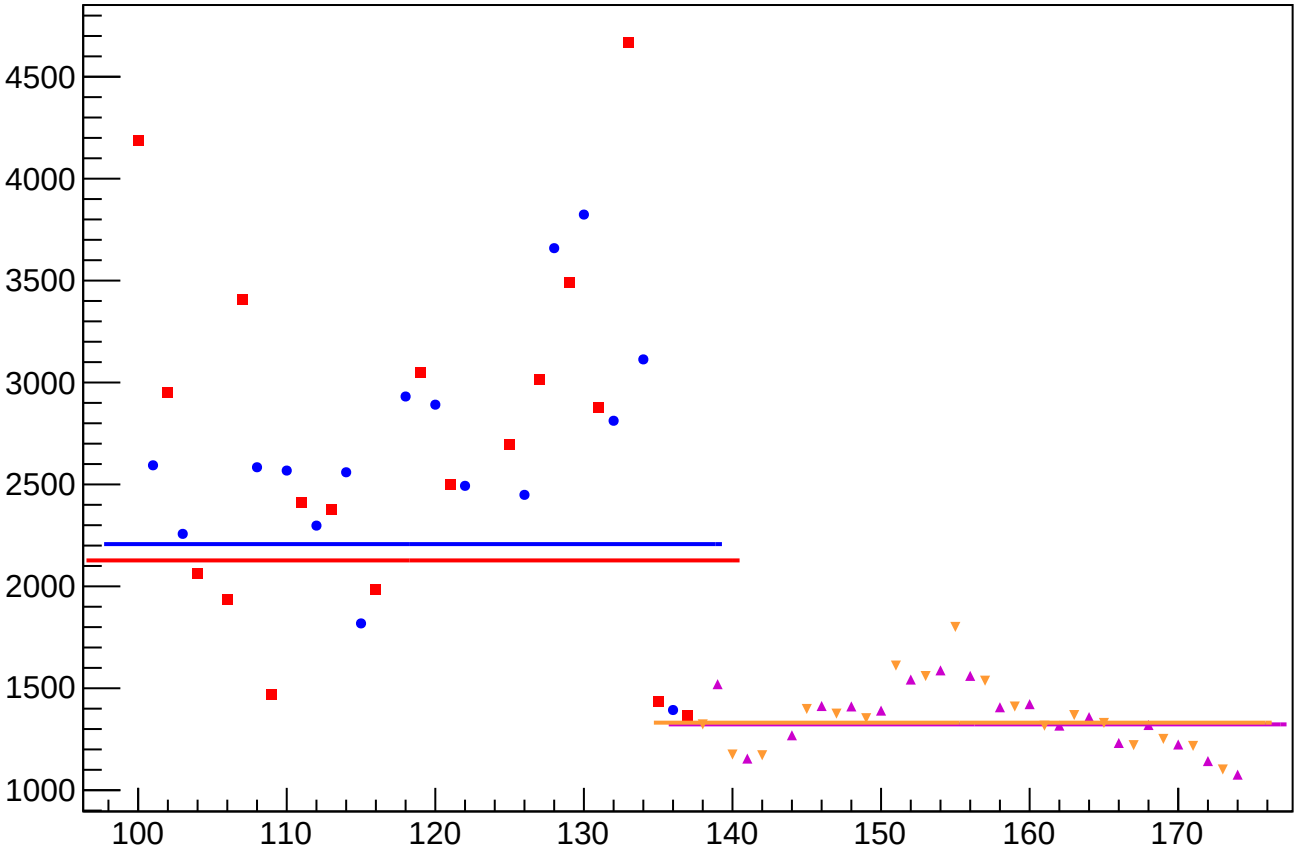
Left In: -477.445+/-345.778 χ^2/NDF:16.5/17

+ sign -1604.481+/-329.402 χ^2/NDF: 80.2/33

All: -1090.162+/-229.441 χ^2/NDF: 115.9/69

- 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: 1331.299+/-0.252 χ^2/NDF:387129.1/17

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

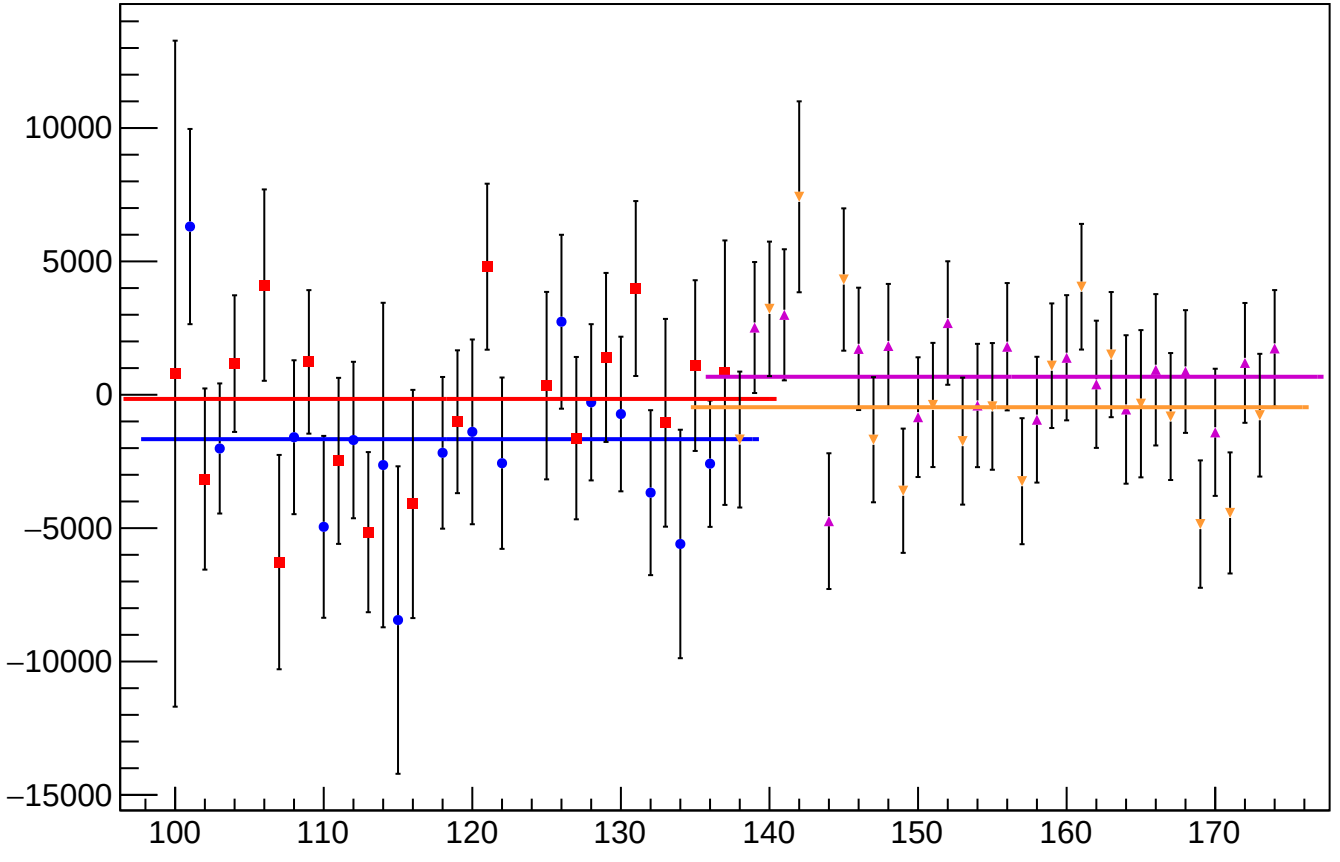
Left In: 1322.875+/-0.245 χ^2/NDF:369214.2/17

+ sign 1459.089+/-0.233 χ^2/NDF: 3398673.2/33

All: 1448.913+/-0.162 χ^2/NDF: 6796432.4/69

- sign 1439.323+/-0.226 χ^2/NDF: 3394051.3/35

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -466.249+/-574.985 χ^2/NDF:25.5/17

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

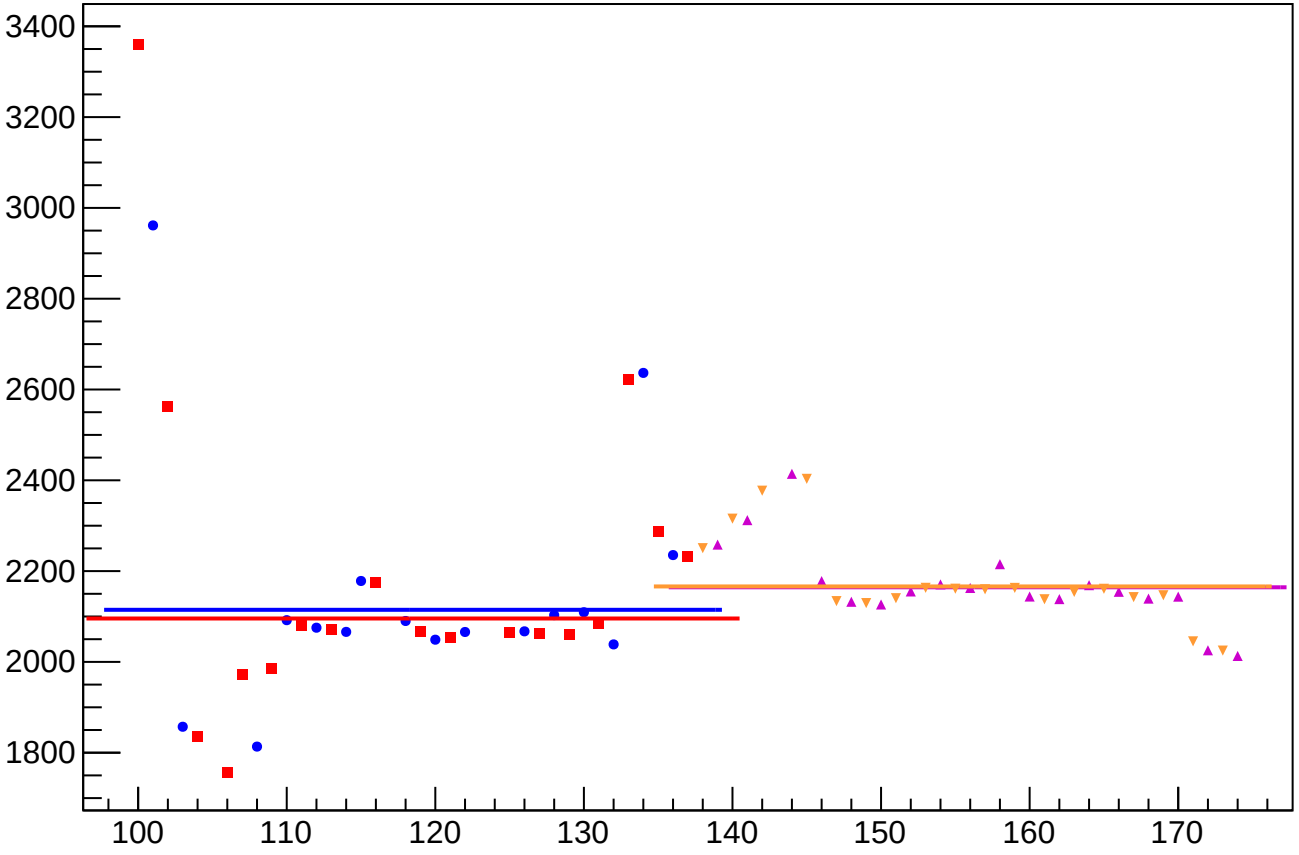
Left In: 674.840+/-561.509 χ^2/NDF:9.9/17

+ sign -879.619+/-465.328 χ^2/NDF: 37.8/33

All: -231.061+/-325.978 χ^2/NDF: 66.4/69

- 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: 2166.207+/-0.407 χ^2/NDF:46983.7/17

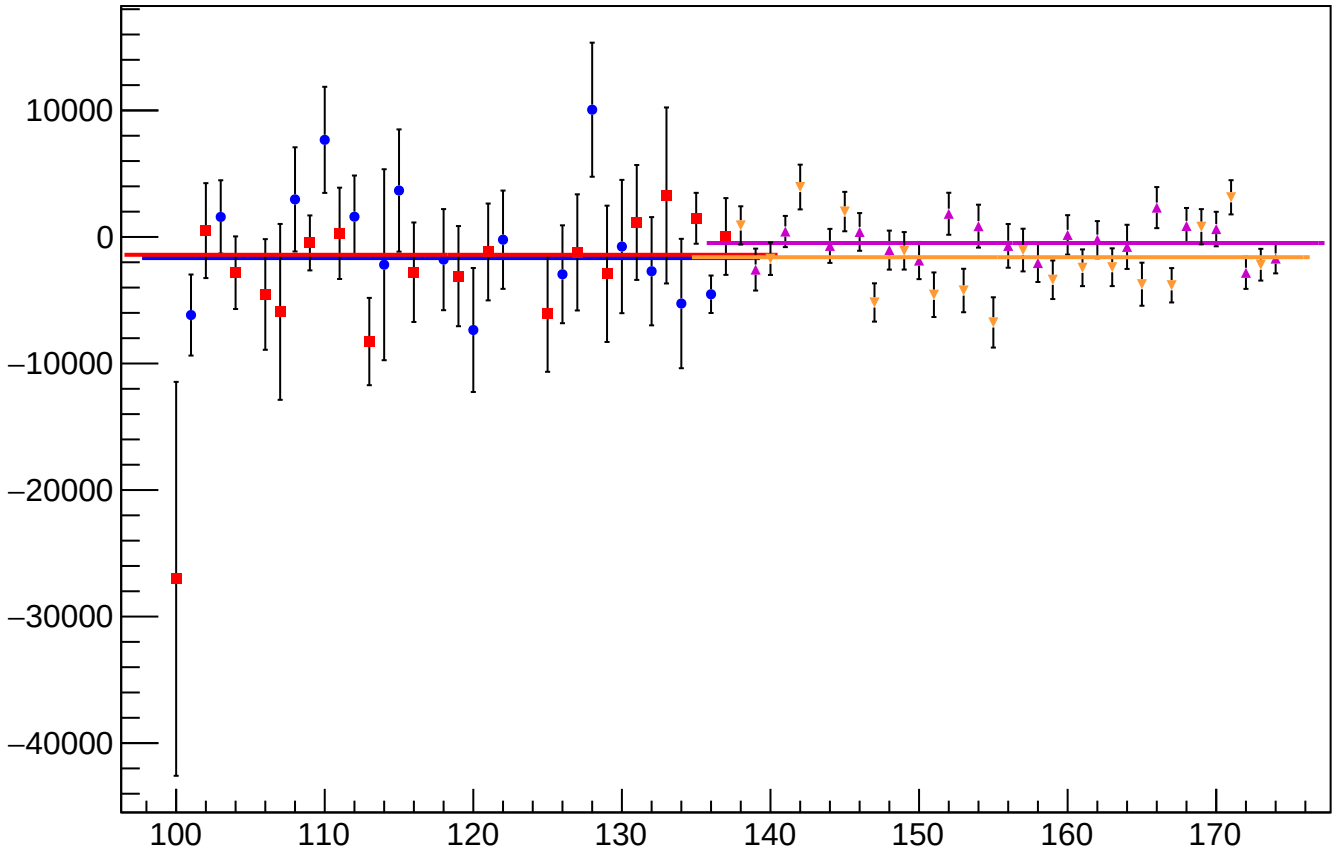
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2164.338+/-0.397 χ^2/NDF:49475.2/17

+ sign 2148.453+/-0.329 χ^2/NDF: 242430.6/33

All: 2144.703+/-0.231 χ^2/NDF: 451658.7/69

- 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: -1600.069+/-356.427 χ^2/NDF:57.4/17

Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

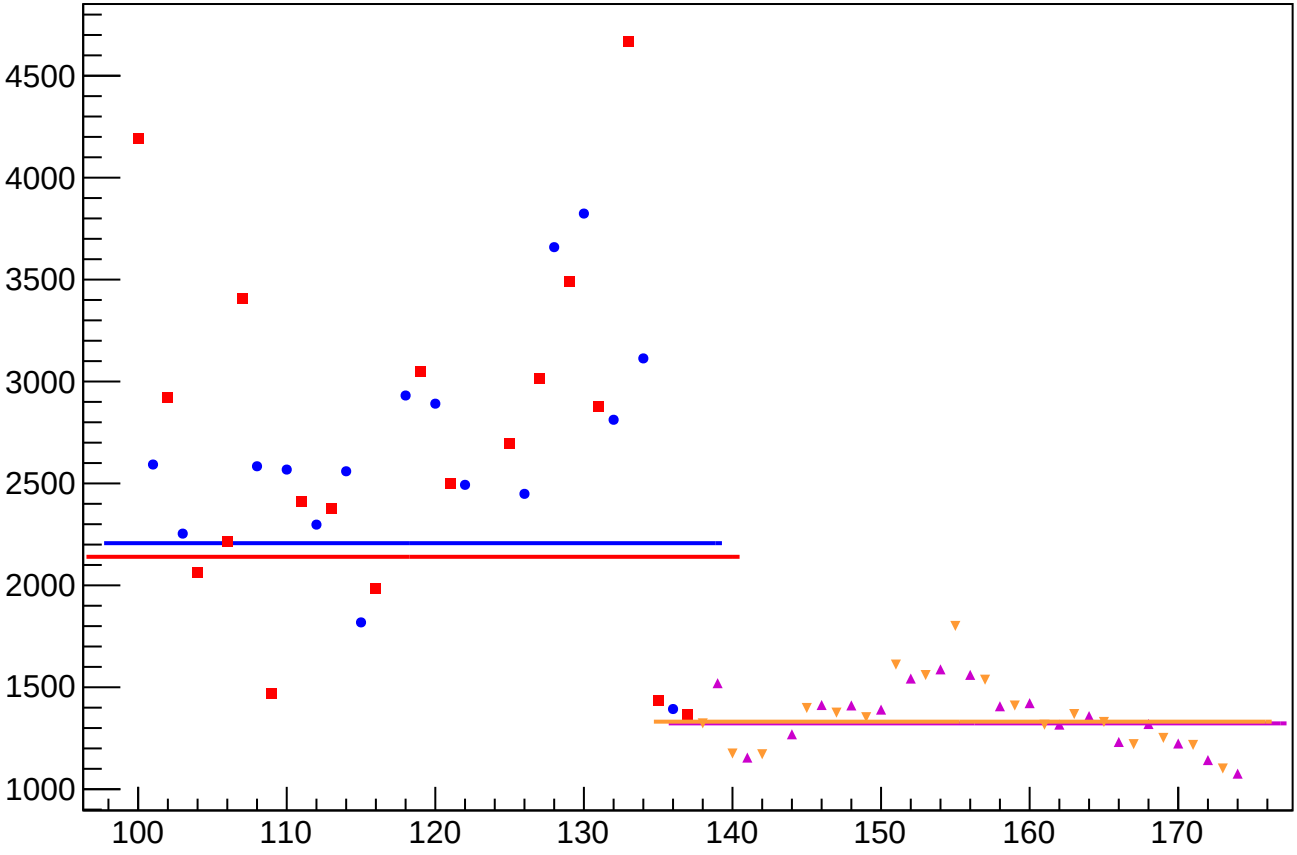
Left In: -477.364+/-345.778 χ^2/NDF:16.5/17

+ sign -1610.055+/-329.387 χ^2/NDF: 79.9/33

All: -1095.928+/-229.570 χ^2/NDF: 115.1/69

- 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: 1331.309+/-0.252 χ^2/NDF:387077.9/17

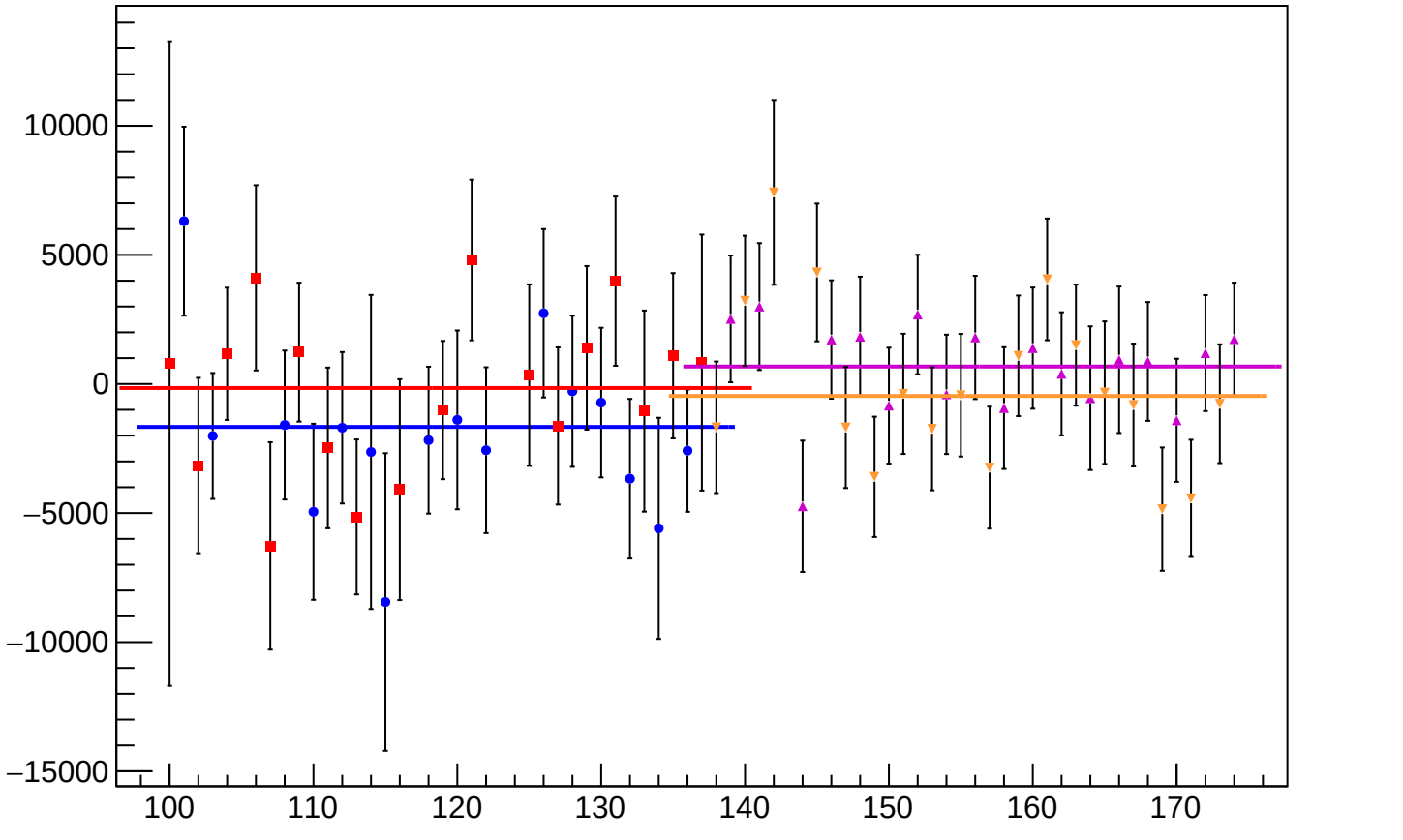
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1322.875+/-0.245 χ^2/NDF:369240.7/17

+ sign 1459.124+/-0.233 χ^2/NDF: 3397999.5/33

All: 1449.081+/-0.162 χ^2/NDF: 6814733.7/69

- 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: -466.249+/-574.985 χ^2/NDF:25.5/17

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

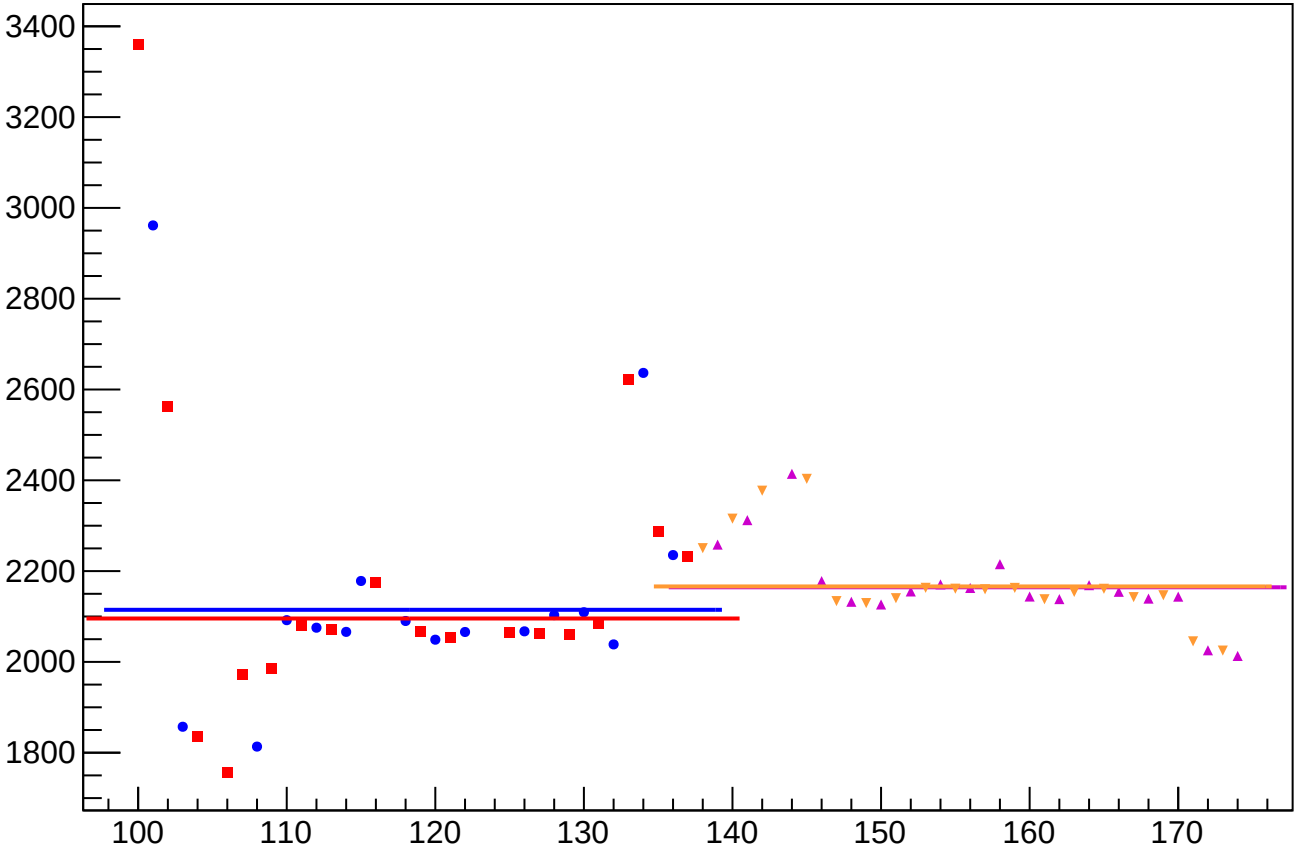
Left In: 674.840+/-561.509 χ^2/NDF:9.9/17

+ sign -879.619+/-465.328 χ^2/NDF: 37.8/33

All: -231.061+/-325.978 χ^2/NDF: 66.4/69

- 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: 2166.207+/-0.407 χ^2/NDF:46983.7/17

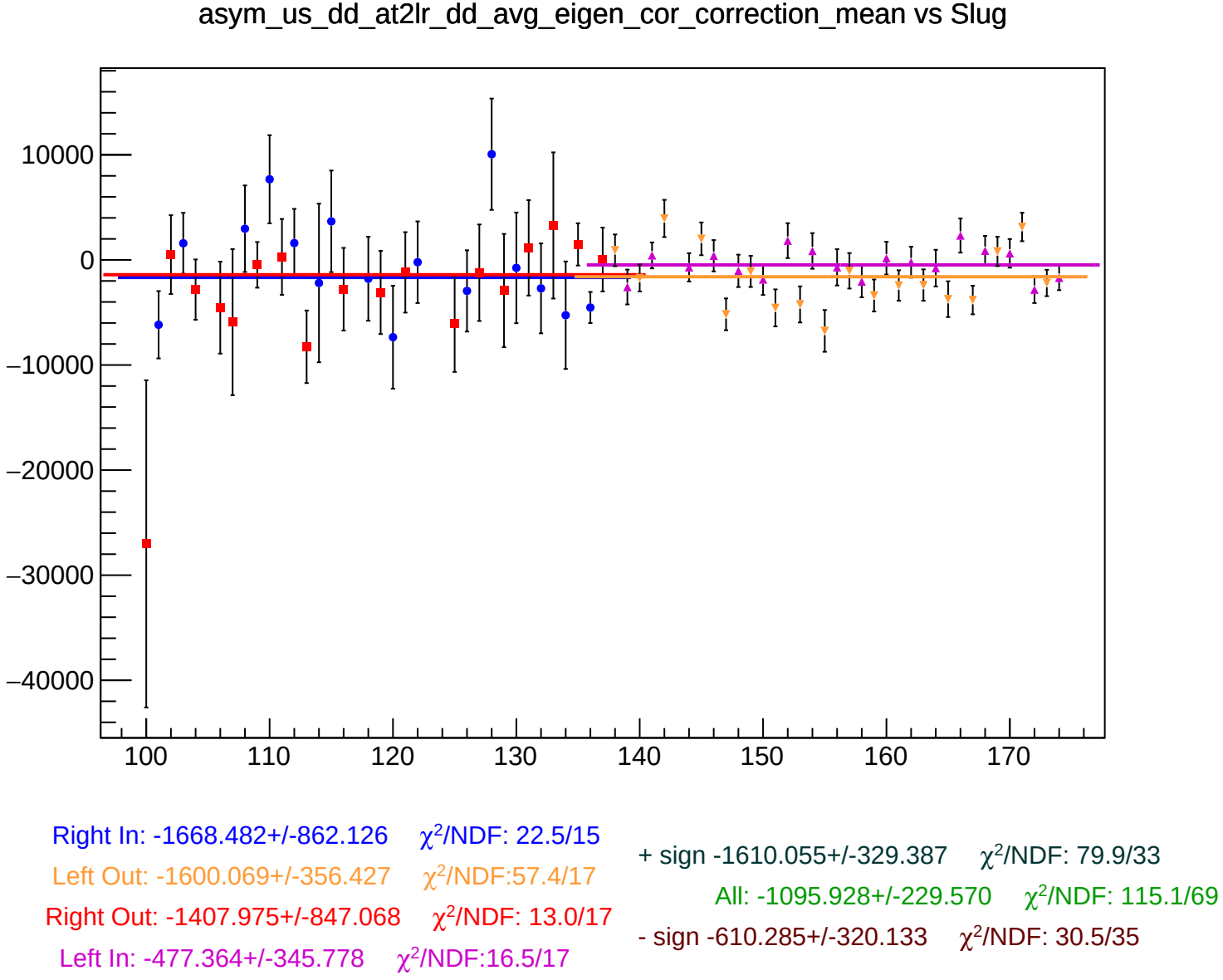
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

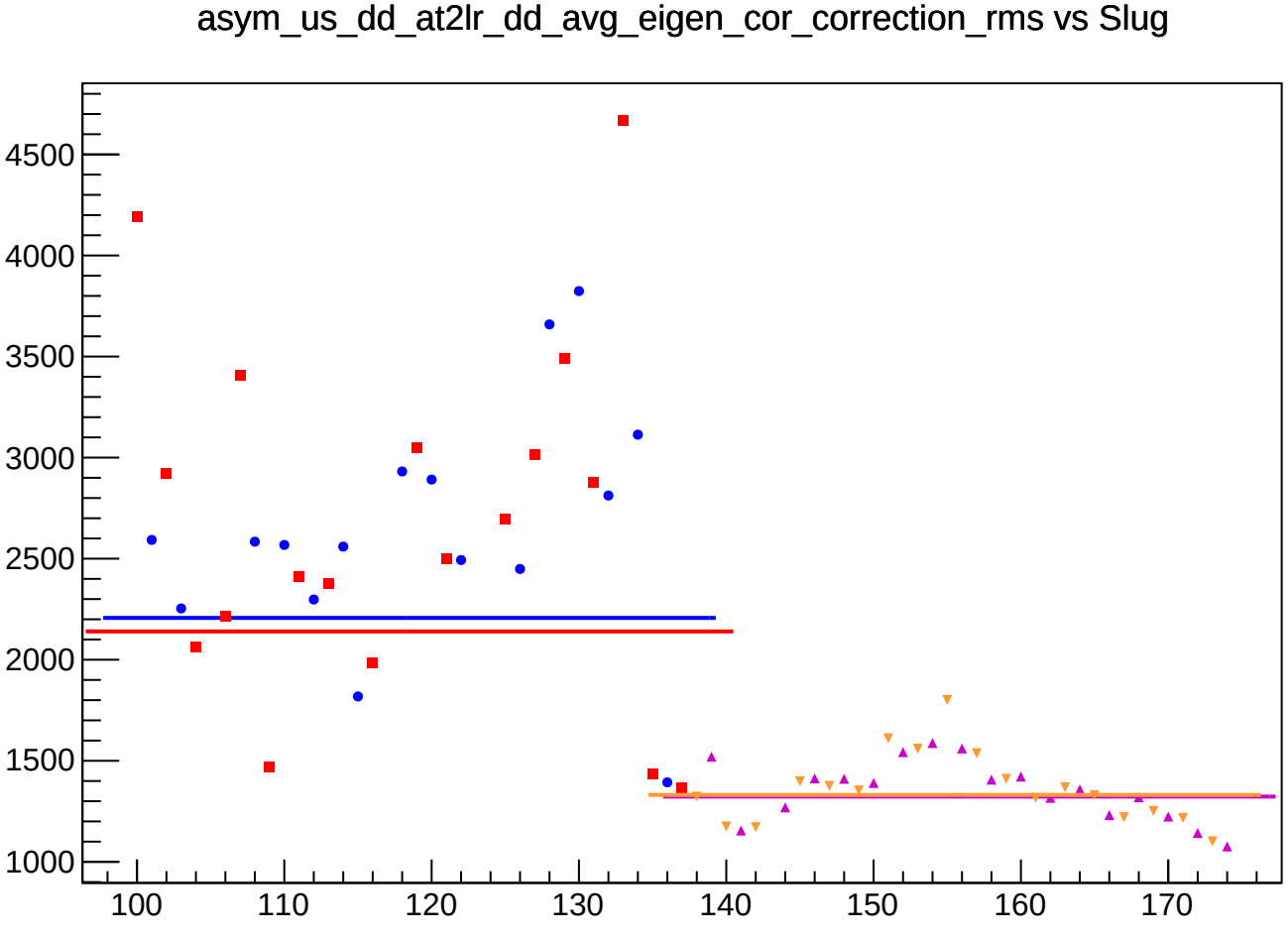
Left In: 2164.338+/-0.397 χ^2/NDF:49475.2/17

+ sign 2148.453+/-0.329 χ^2/NDF: 242430.6/33

All: 2144.703+/-0.231 χ^2/NDF: 451658.7/69

- sign 2141.090+/-0.323 χ^2/NDF: 208973.0/35


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -1668.482+/-862.126 χ²/NDF: 22.5/15
Left Out: -1600.069+/-356.427 χ²/NDF:57.4/17
Right Out: -1407.975+/-847.068 χ²/NDF: 13.0/17
Left In: -477.364+/-345.778 χ²/NDF:16.5/17
+ sign -1610.055+/-329.387 χ²/NDF: 79.9/33
All: -1095.928+/-229.570 χ²/NDF: 115.1/69
- sign -610.285+/-320.133 χ²/NDF: 30.5/35



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1331.309+/-0.252 χ^2/NDF:387077.9/17

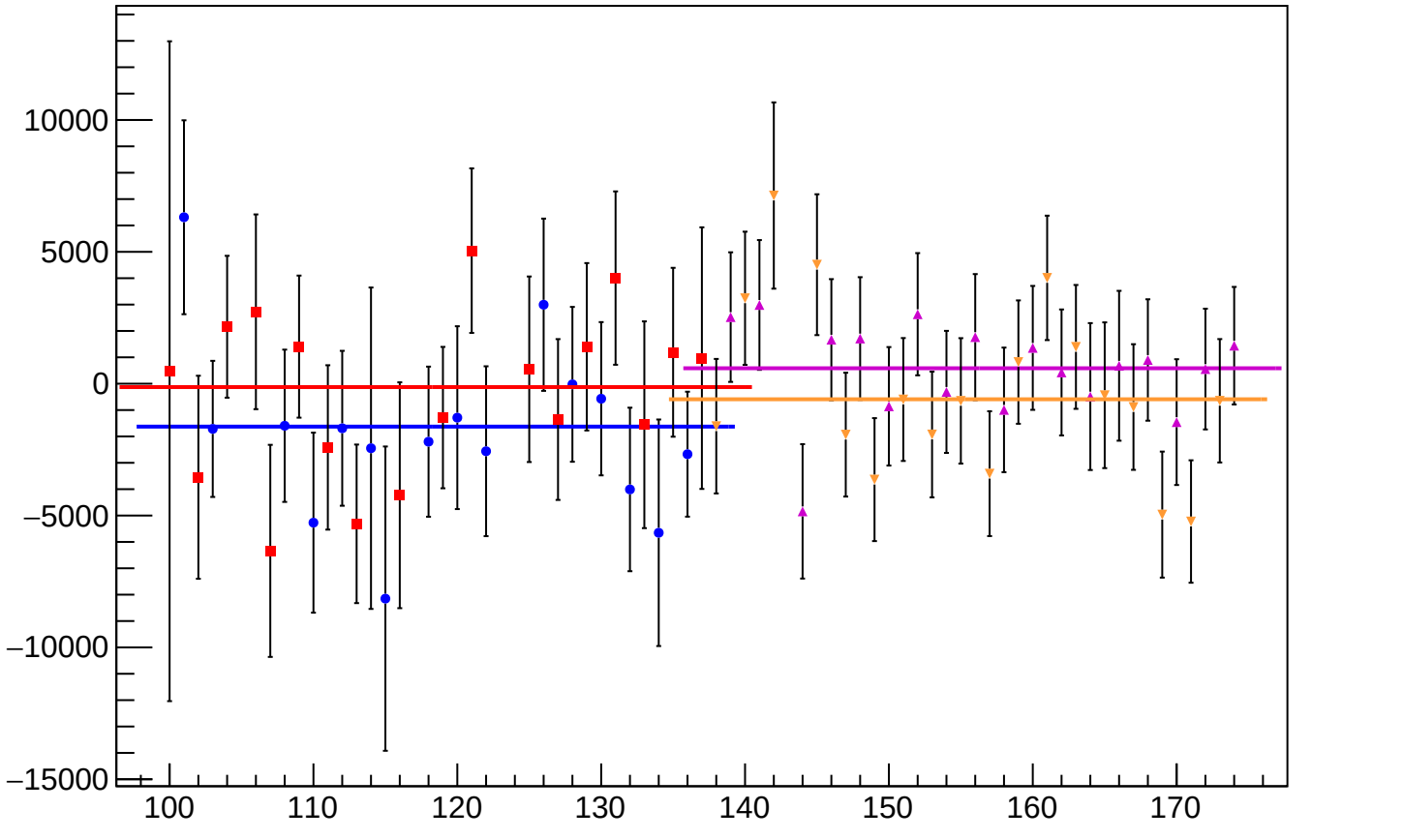
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1322.875+/-0.245 χ^2/NDF:369240.7/17

+ sign 1459.124+/-0.233 χ^2/NDF: 3397999.5/33

All: 1449.081+/-0.162 χ^2/NDF: 6814733.7/69

- sign 1439.595+/-0.226 χ^2/NDF: 3413118.6/35



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -590.669+/-576.741 χ^2/NDF:26.9/17

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

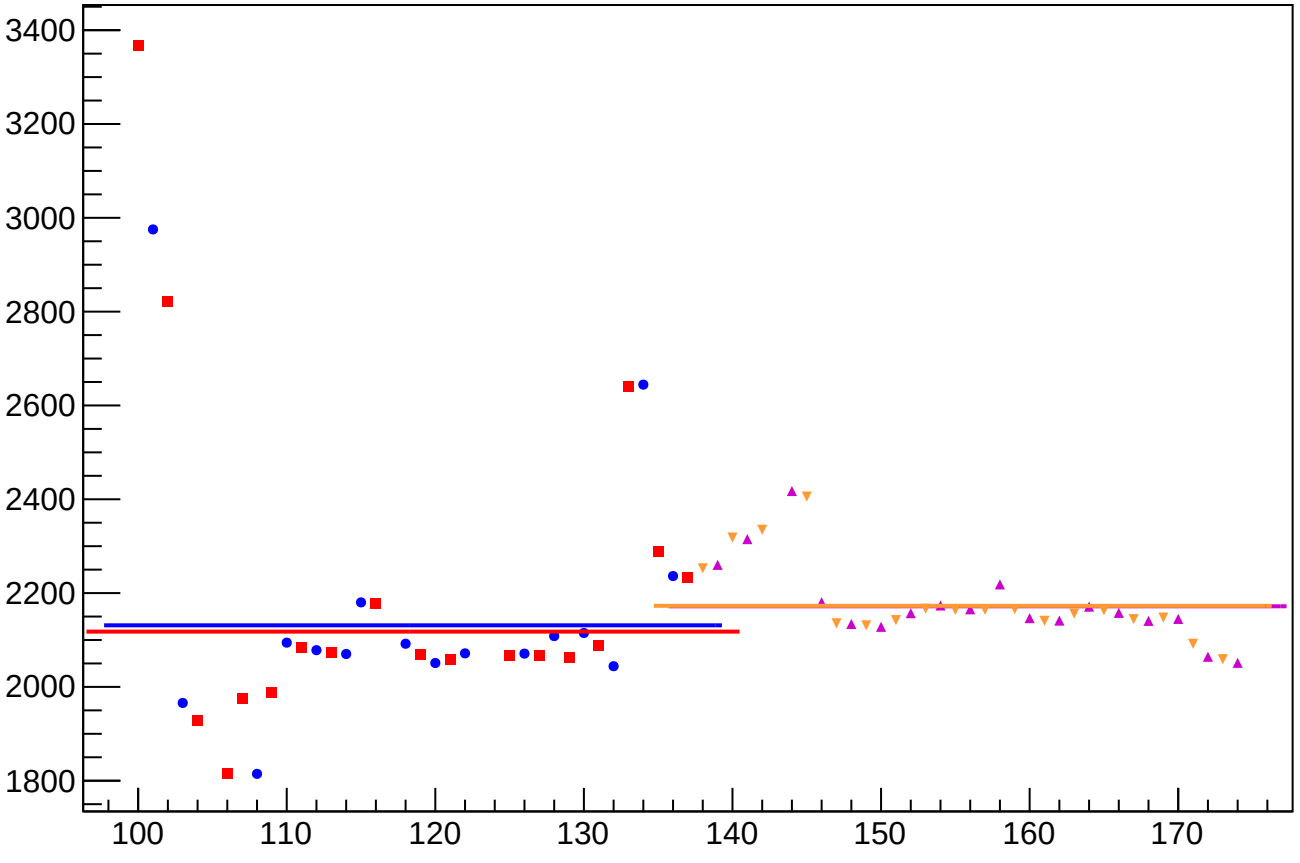
Left In: 585.140+/-563.386 χ^2/NDF:9.8/17

+ sign -946.489+/-467.432 χ^2/NDF: 39.4/33

All: -289.126+/-327.807 χ^2/NDF: 68.1/69

- 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: 2172.884+/-0.408 χ^2/NDF:37754.1/17

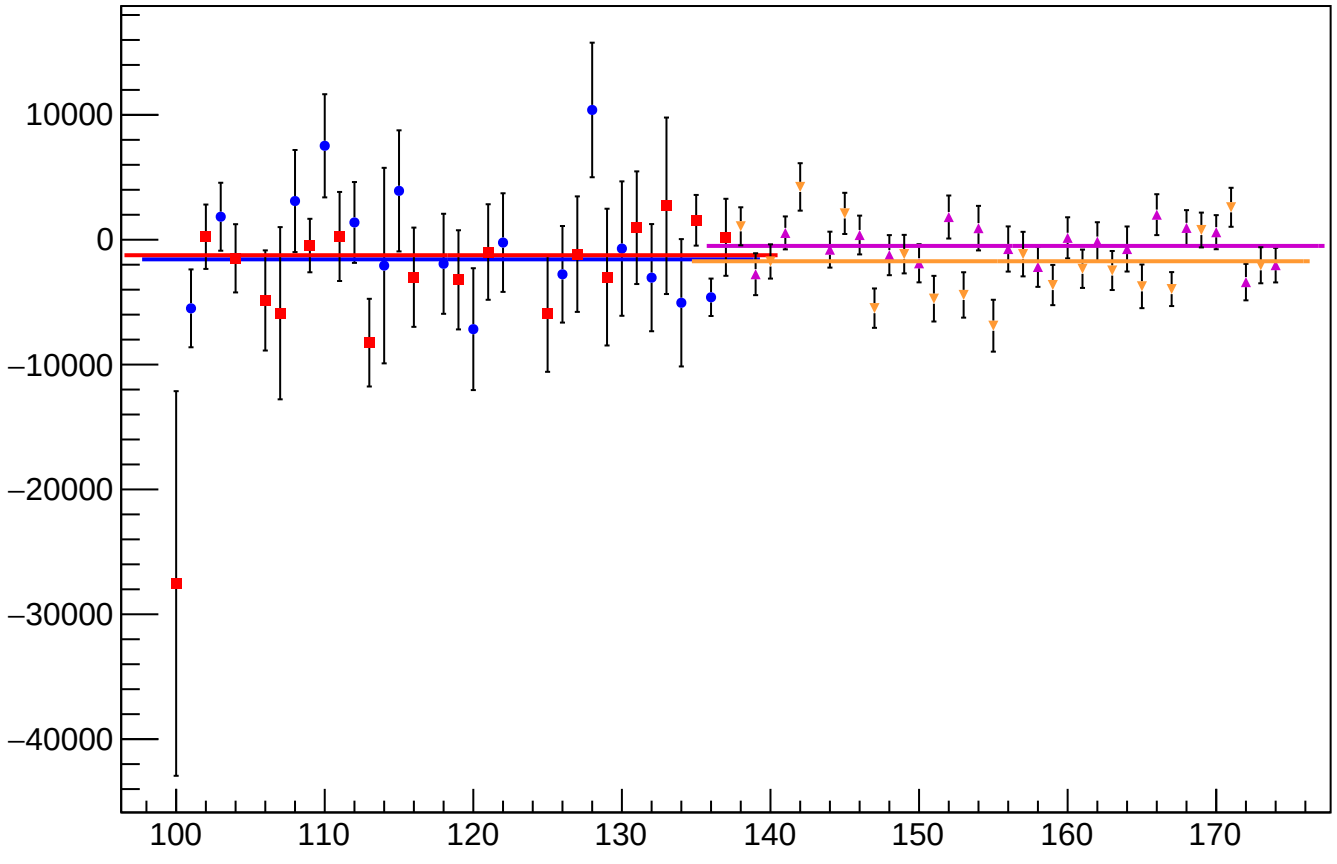
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2171.847+/-0.398 χ^2/NDF:41629.5/17

+ sign 2158.615+/-0.331 χ^2/NDF: 217265.5/33

All: 2156.182+/-0.232 χ^2/NDF: 428753.0/69

- 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: -1723.398+/-376.190 χ^2/NDF:52.3/17

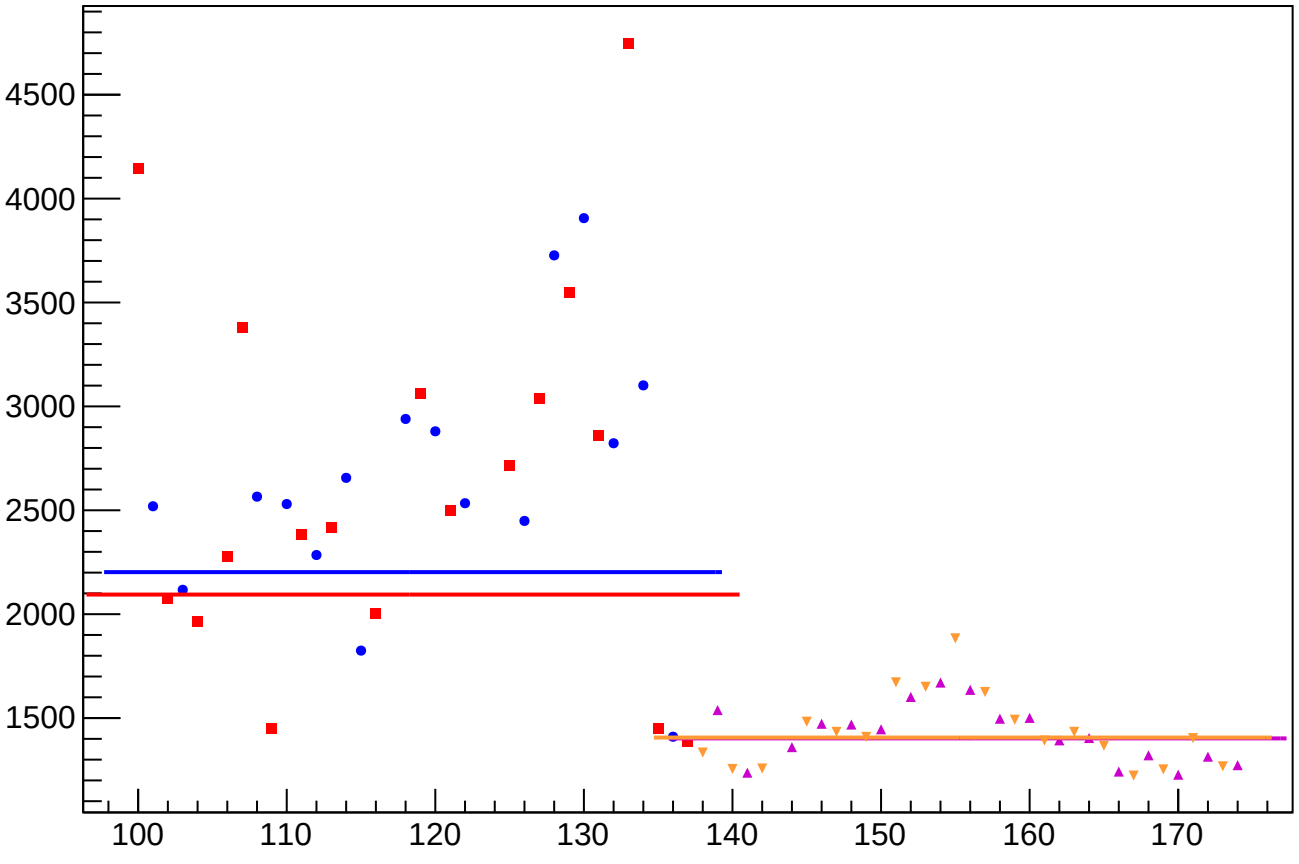
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -495.927+/-365.743 χ^2/NDF:16.8/17

+ sign -1698.921+/-344.642 χ^2/NDF: 74.9/33

All: -1142.361+/-239.851 χ^2/NDF: 110.5/69

- 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: 1406.319+/-0.266 χ^2/NDF:346396.3/17

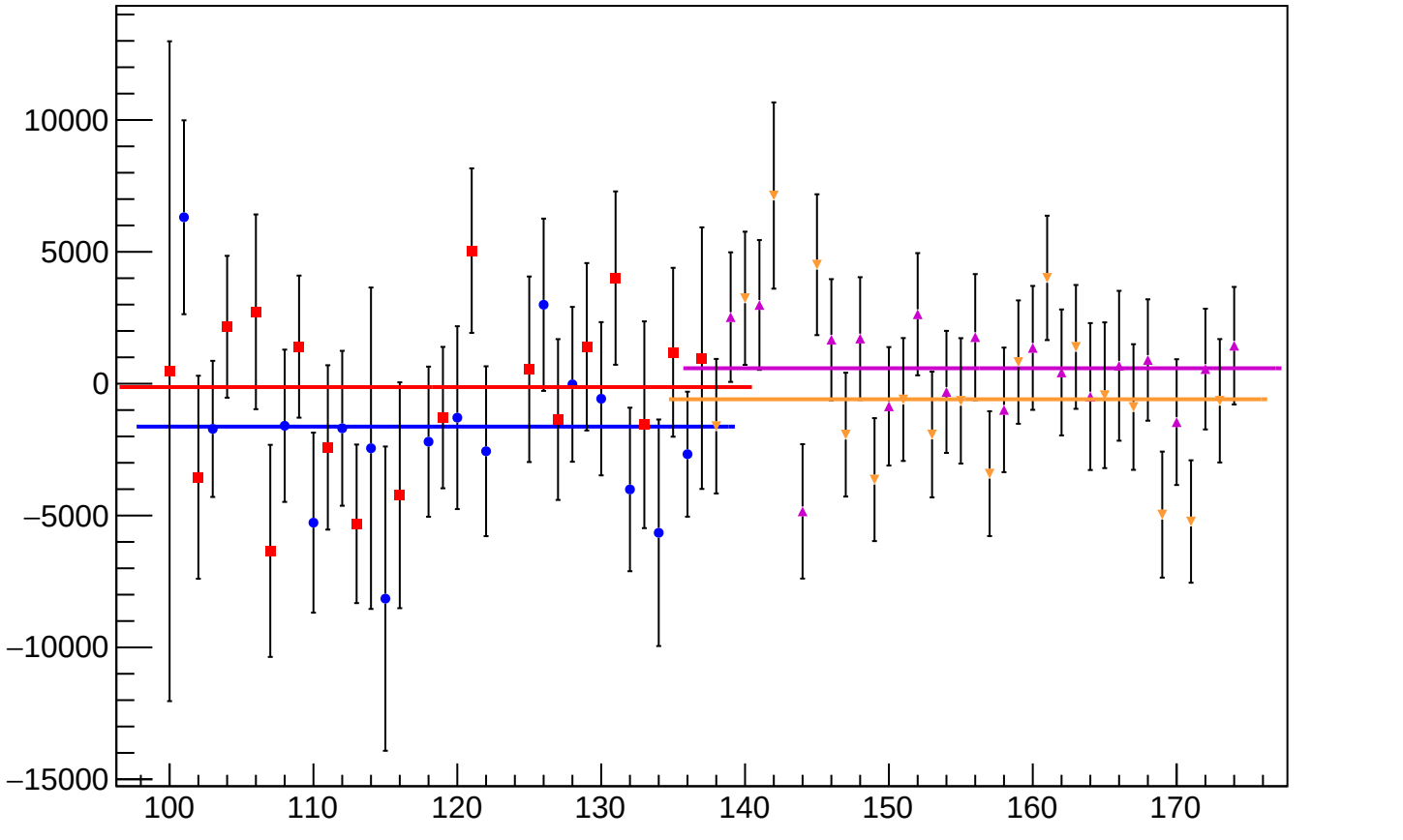
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1402.169+/-0.259 χ^2/NDF:257972.1/17

+ sign 1534.237+/-0.244 χ^2/NDF: 3008477.6/33

All: 1525.396+/-0.170 χ^2/NDF: 5832169.6/69

- 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: -590.665+/-576.740 χ^2/NDF:26.9/17

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

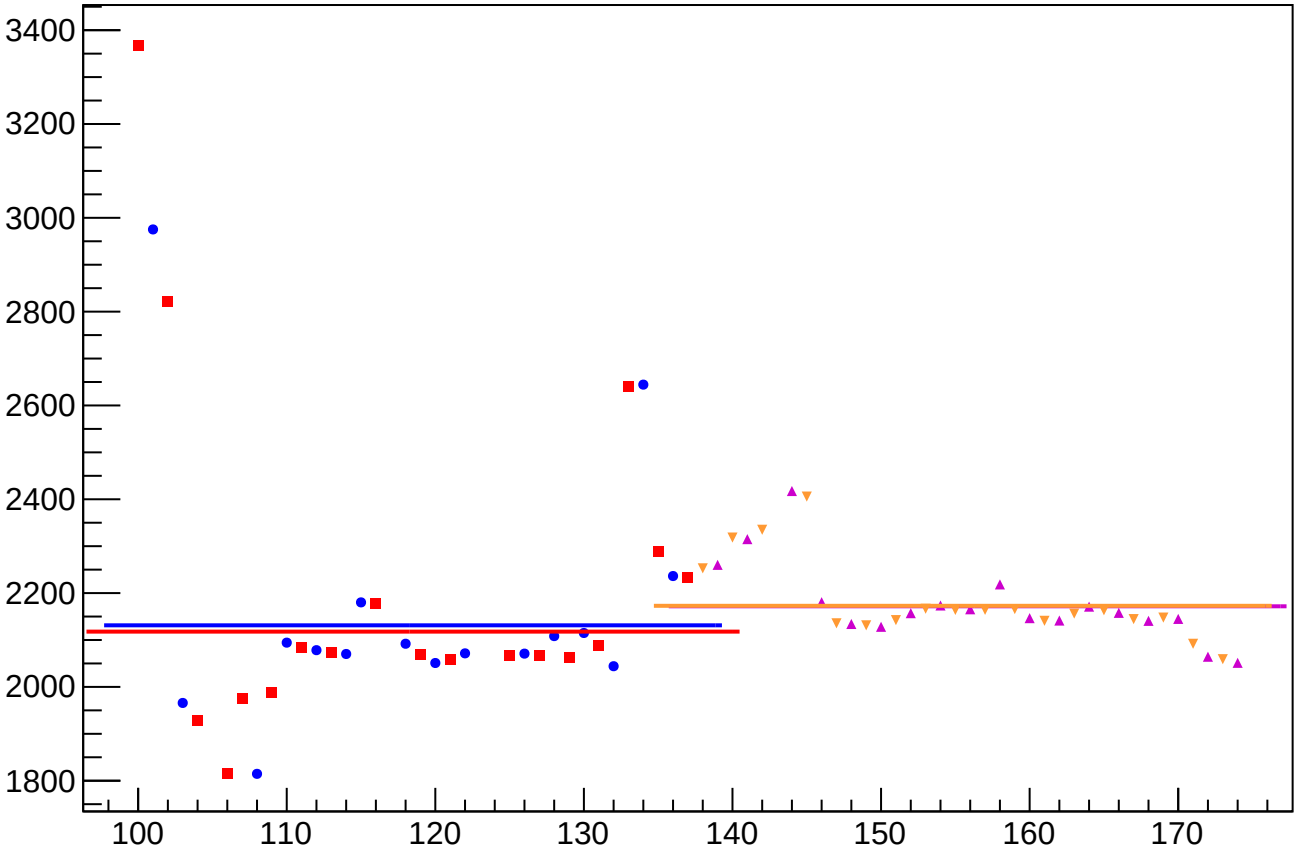
Left In: 585.141+/-563.386 χ^2/NDF:9.8/17

+ sign -946.488+/-467.432 χ^2/NDF: 39.4/33

All: -289.124+/-327.807 χ^2/NDF: 68.1/69

- 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: 2172.884+/-0.408 χ^2/NDF:37754.3/17

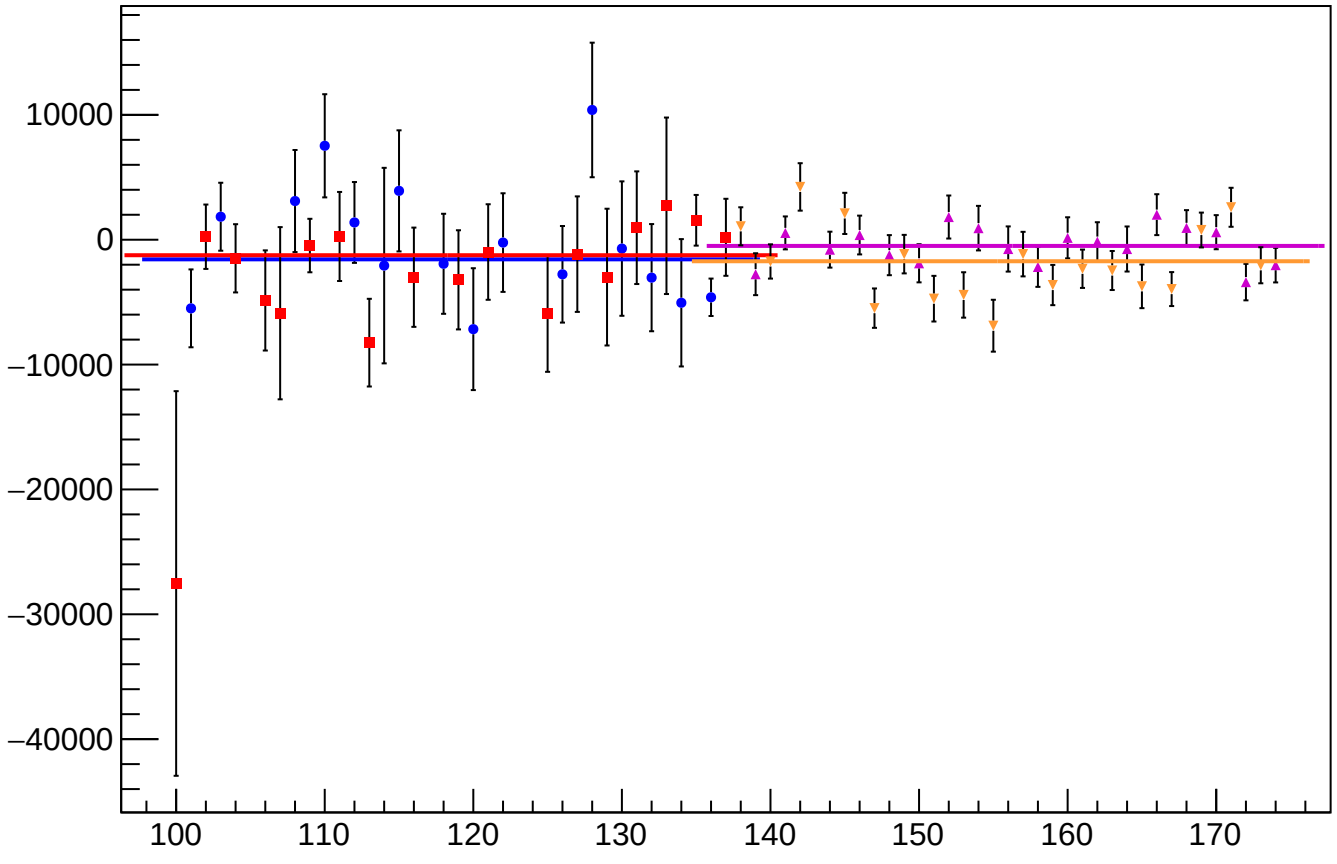
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2171.846+/-0.398 χ^2/NDF:41629.7/17

+ sign 2158.614+/-0.331 χ^2/NDF: 217265.6/33

All: 2156.182+/-0.232 χ^2/NDF: 428753.2/69

- 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: -1723.401+/-376.190 χ^2/NDF:52.3/17

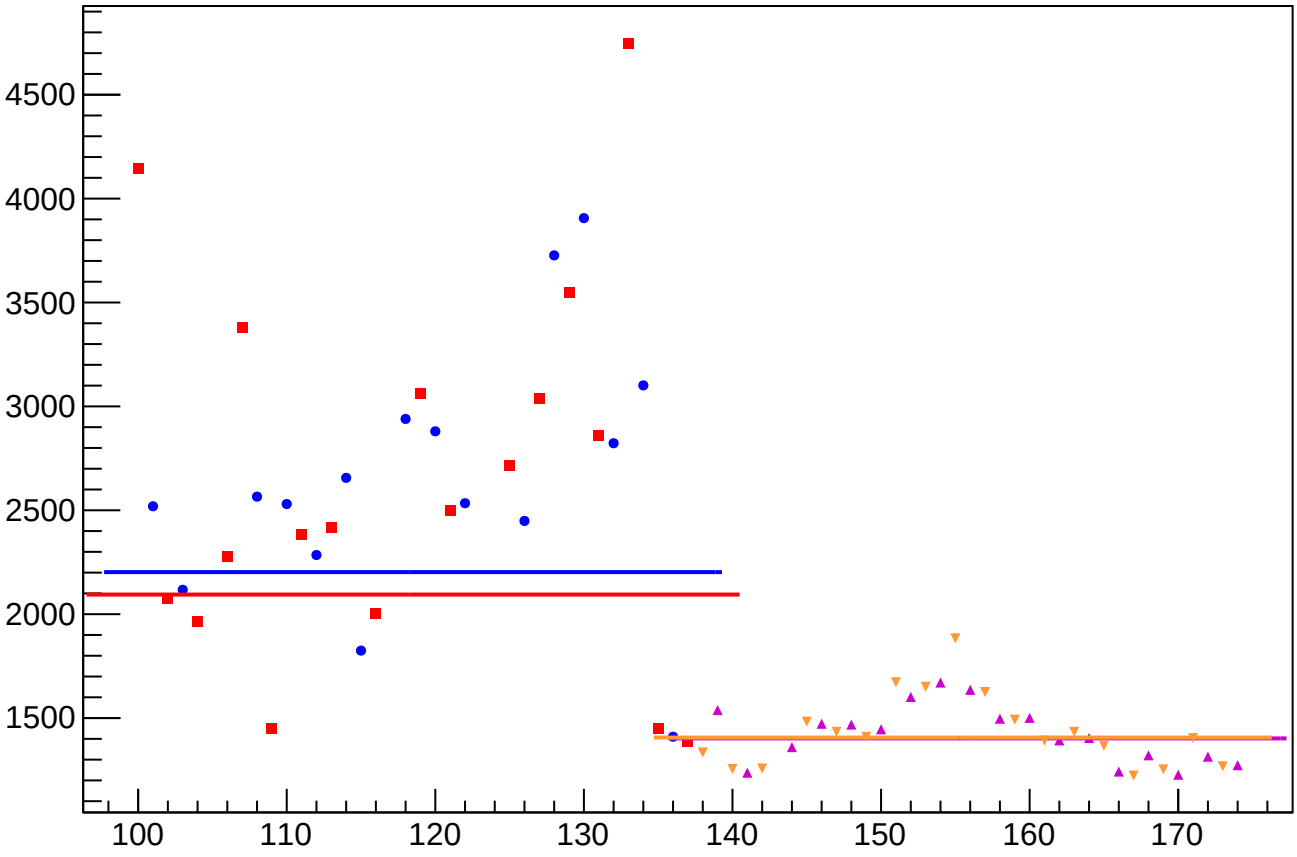
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -495.923+/-365.743 χ^2/NDF:16.8/17

+ sign -1698.922+/-344.642 χ^2/NDF: 74.9/33

All: -1142.361+/-239.851 χ^2/NDF: 110.5/69

- 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: 1406.319+/-0.266 χ^2/NDF:346391.2/17

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

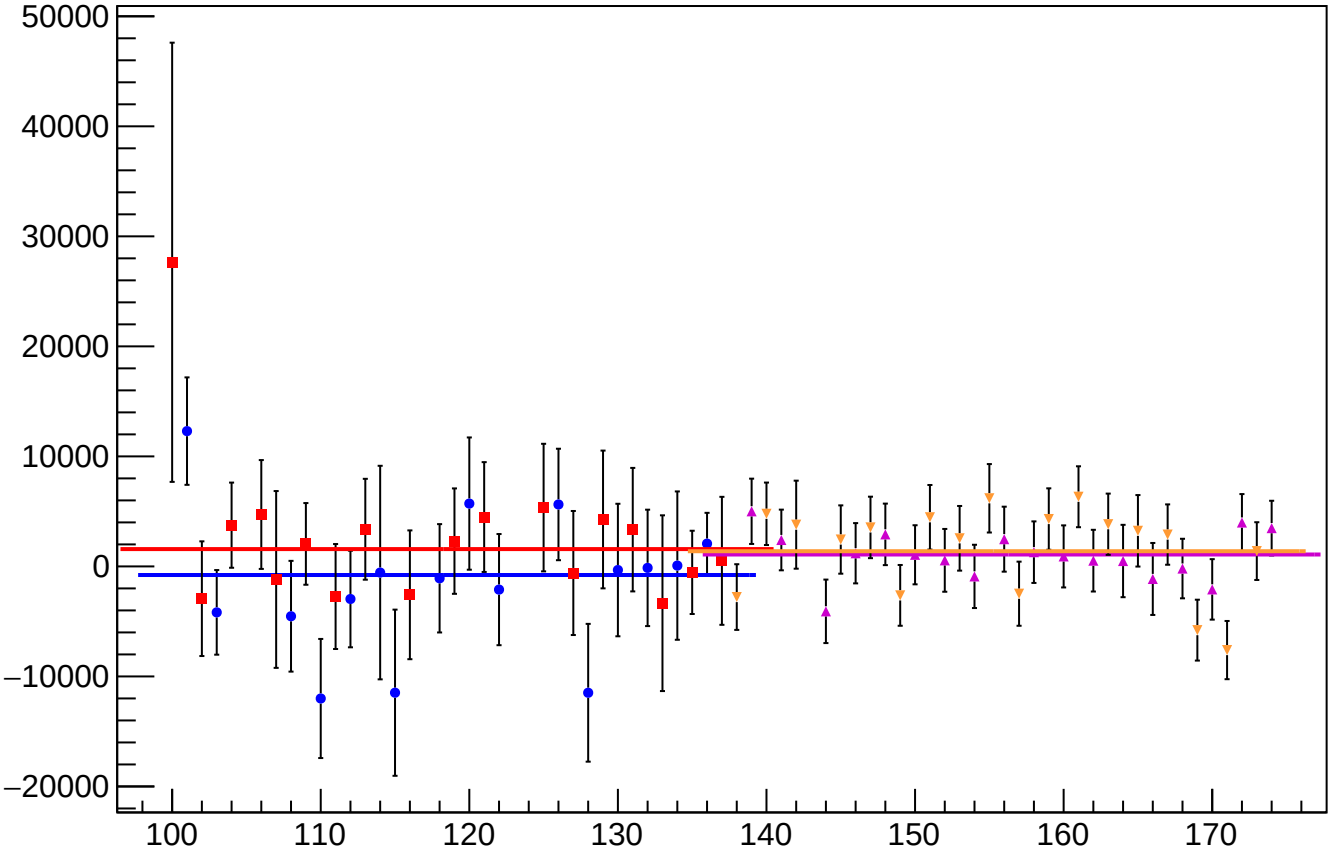
Left In: 1402.169+/-0.259 χ^2/NDF:257977.7/17

\+ sign 1534.239+/-0.244 χ^2/NDF: 3008447.0/33

All: 1525.397+/-0.170 χ^2/NDF: 5832135.2/69

\- 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: 1380.243+/-682.160 χ^2/NDF:35.9/17

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

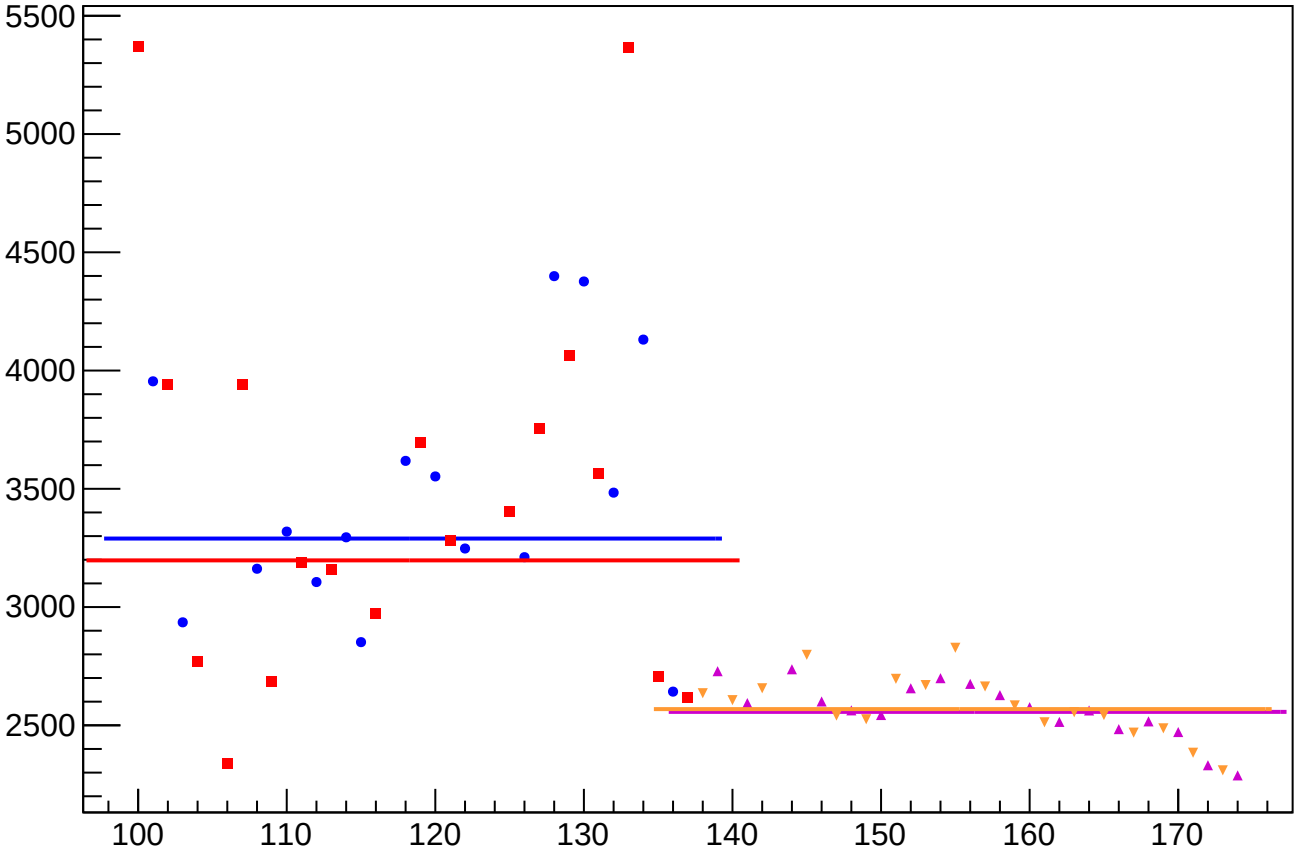
Left In: 1081.928+/-663.660 χ^2/NDF:10.6/17

\+ sign 879.043+/-597.878 χ^2/NDF: 60.2/33

All: 1040.828+/-417.357 χ^2/NDF: 77.8/69

\- 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: 2568.499+/-0.482 χ^2/NDF:70769.2/17

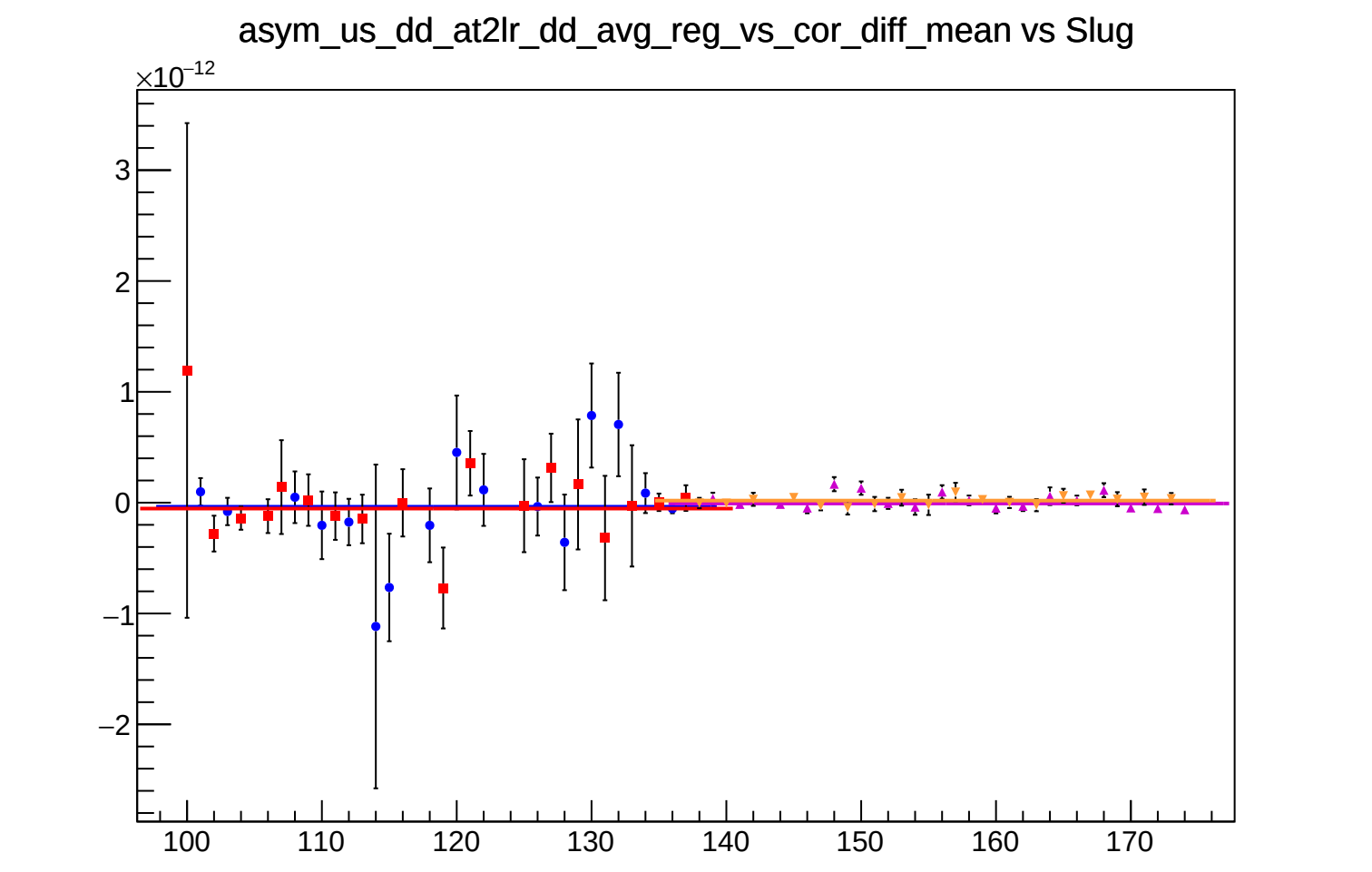
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

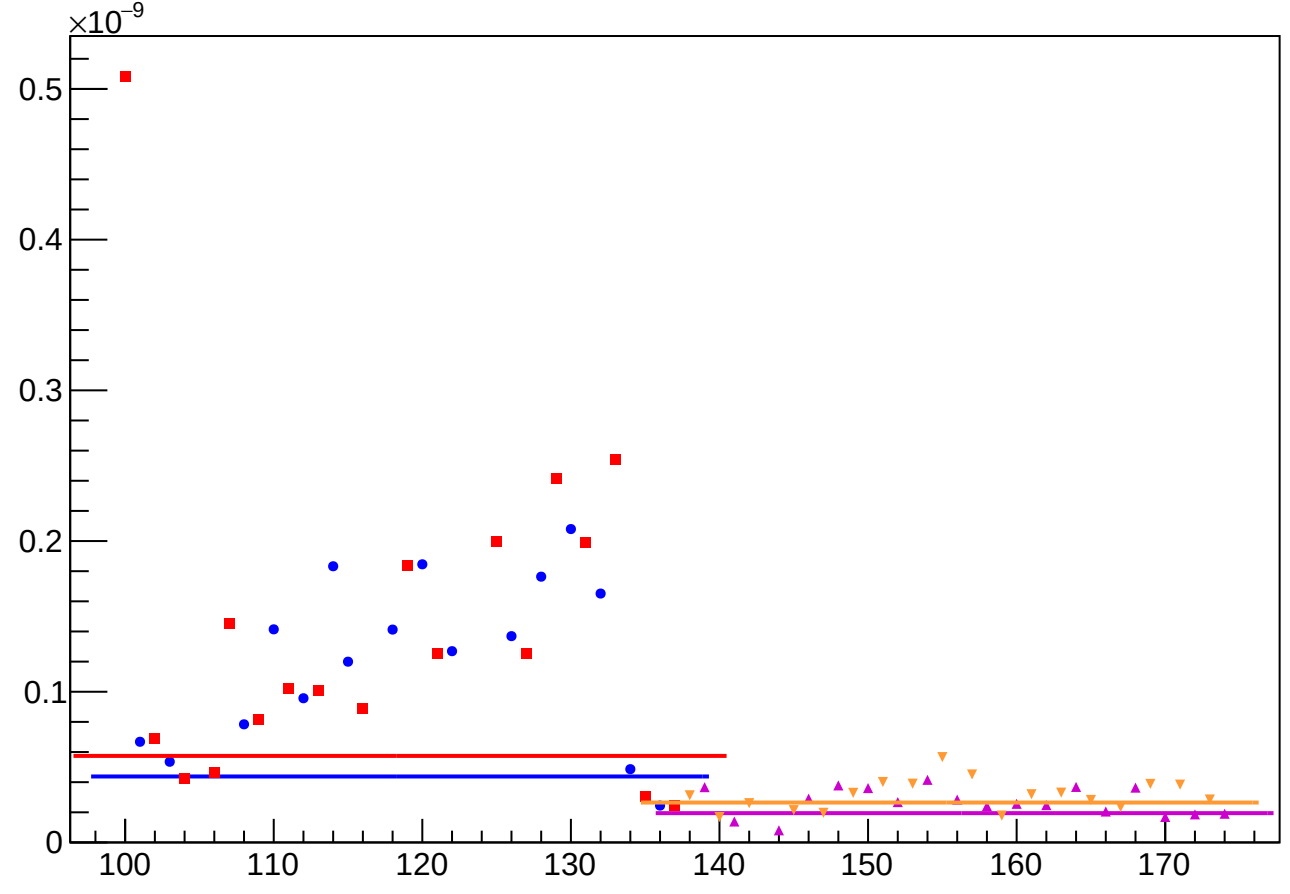
Left In: 2556.803+/-0.469 χ^2/NDF:69815.9/17

+ sign 2735.699+/-0.423 χ^2/NDF: 936616.7/33

All: 2719.073+/-0.295 χ^2/NDF: 1935423.0/69

- 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:8.2/17
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: 23.6/33
All: -0.000+/-0.000 χ²/NDF: 68.5/69
- 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:1114929.1/17

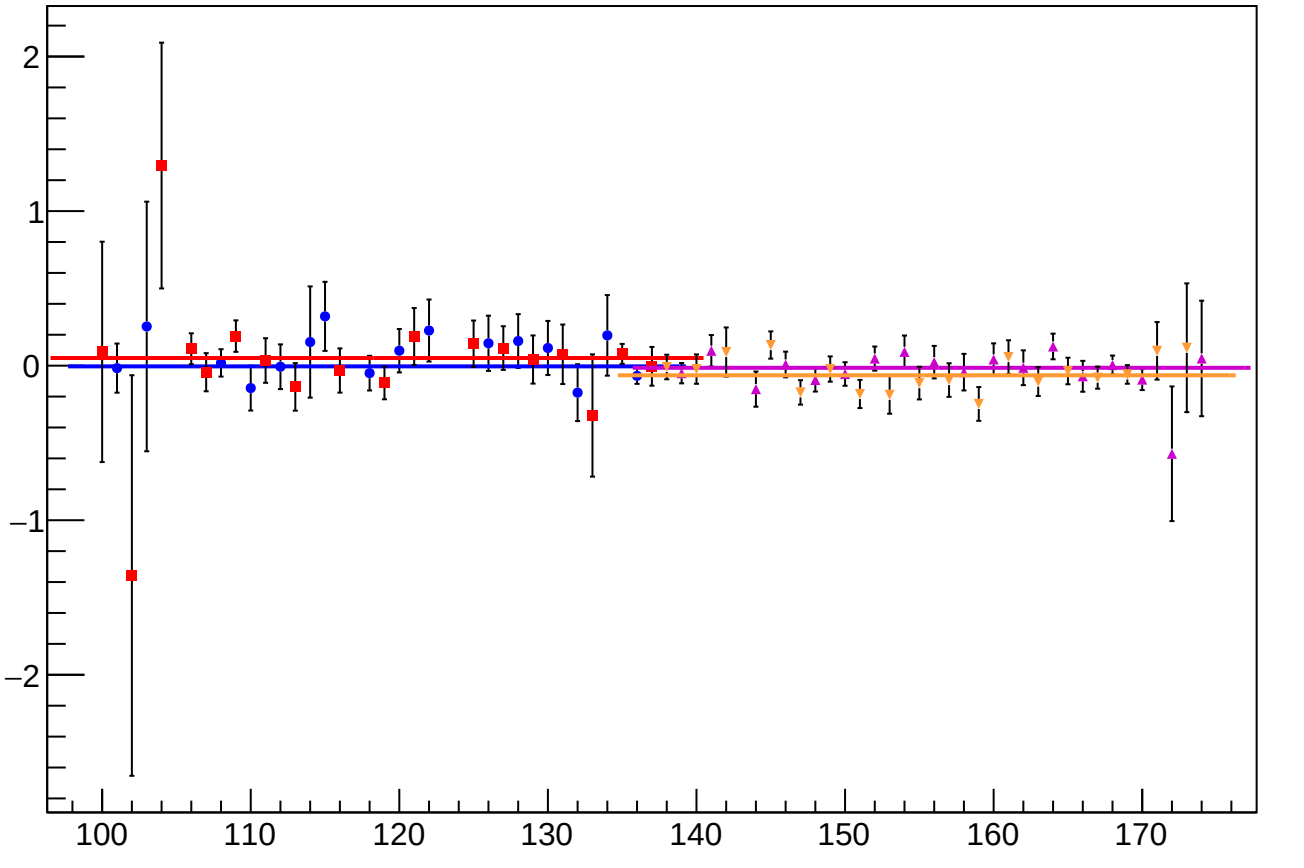
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2109500.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 3796850.5/33

All: 0.000+/-0.000 χ^2/NDF: 9942845.7/69

- 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: -0.062+/-0.022 χ^2/NDF:17.1/17

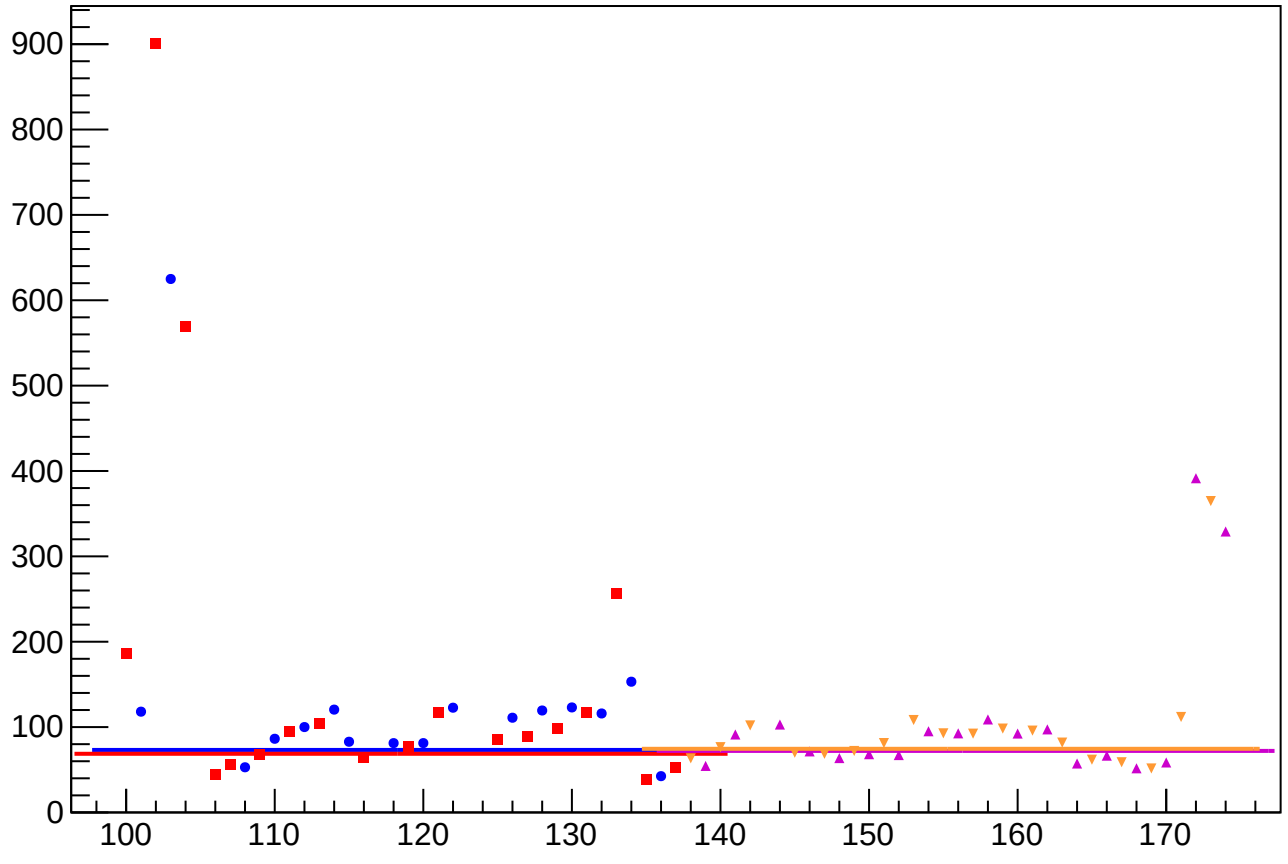
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:12.4/17

+ sign -0.044+/-0.018 χ^2/NDF: 29.6/33

All: -0.018+/-0.013 χ^2/NDF: 61.6/69

- 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: 74.565+/-0.016 χ^2/NDF:2060905.5/17

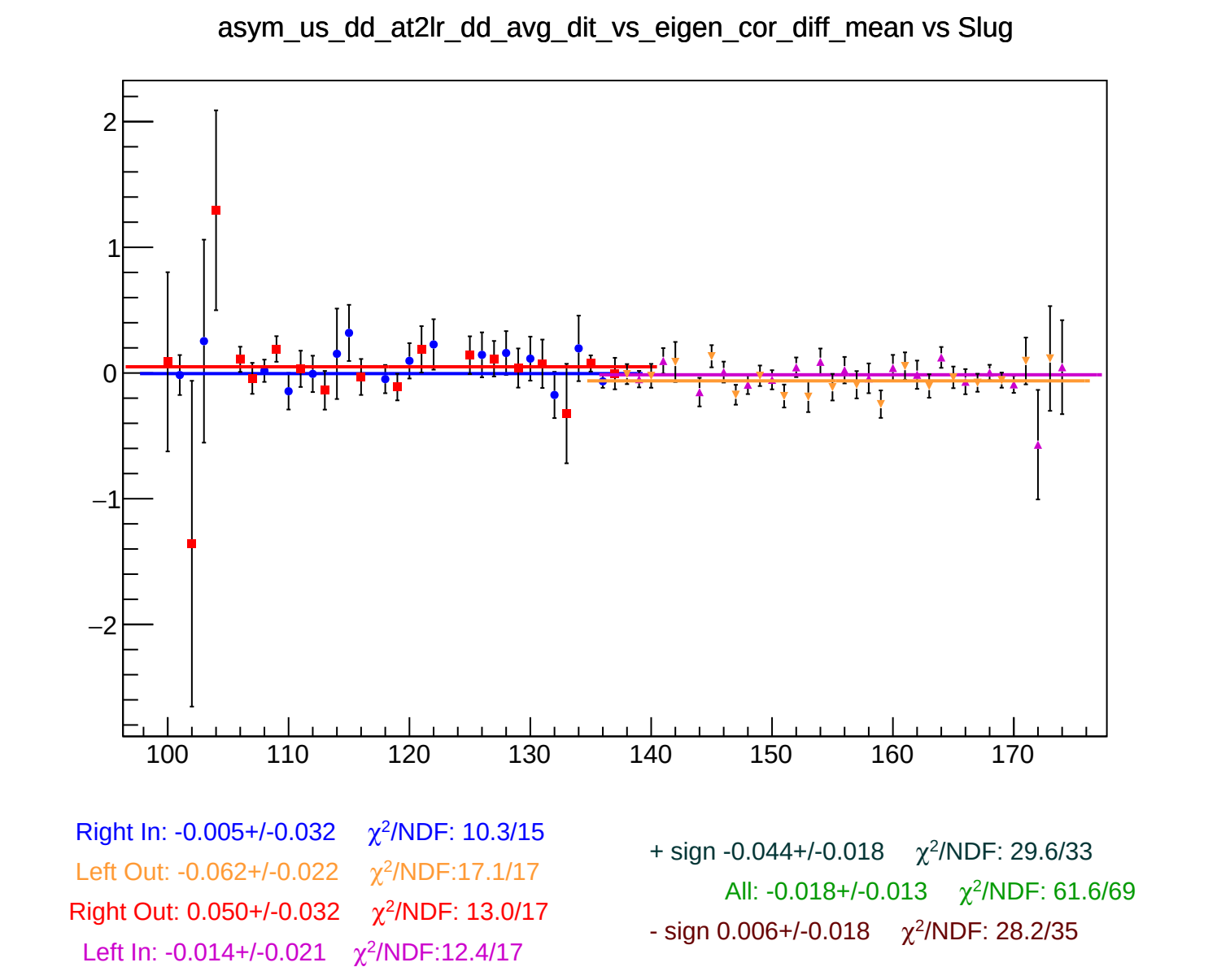
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

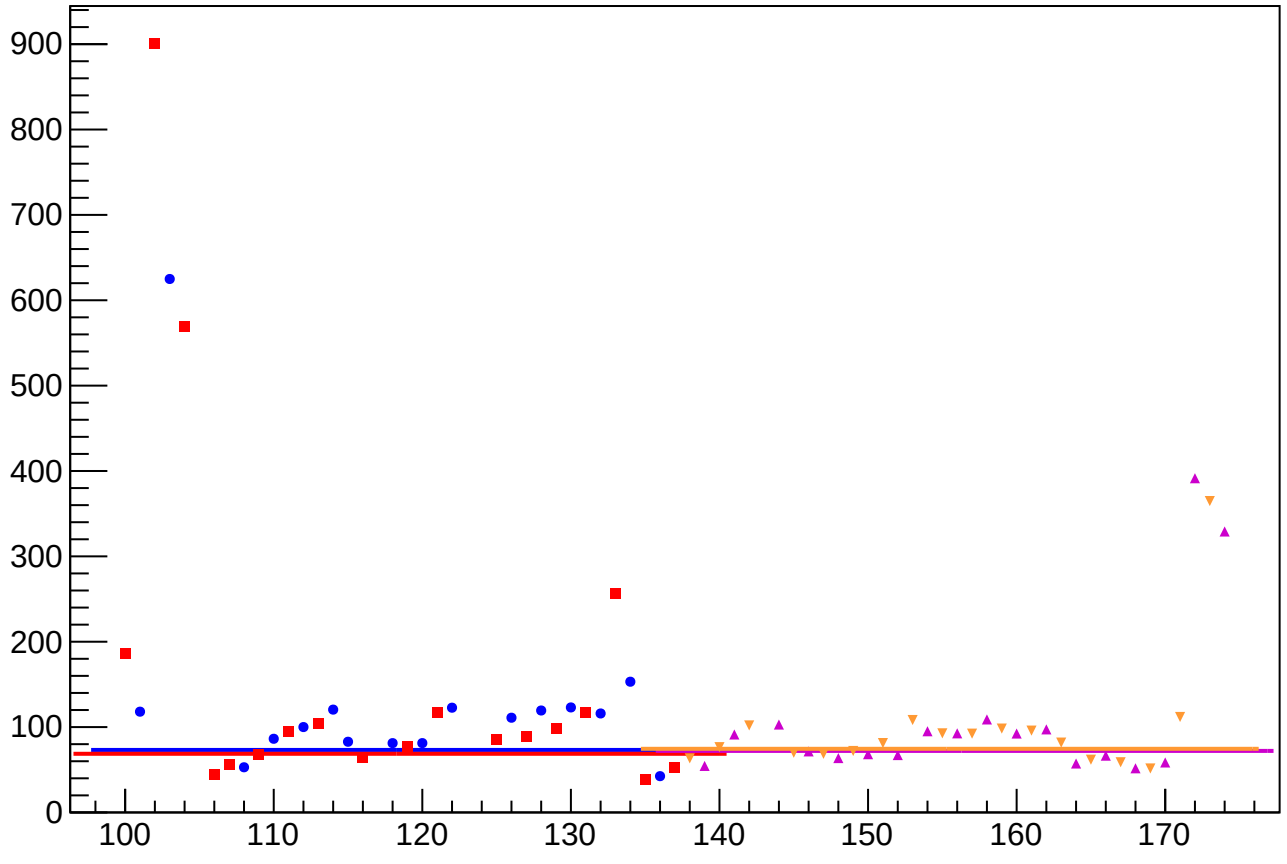
Left In: 72.105+/-0.015 χ^2/NDF:3335755.8/17

+ sign 74.138+/-0.013 χ^2/NDF: 4917821.3/33

All: 72.541+/-0.009 χ^2/NDF: 11630510.3/69

- sign 71.060+/-0.012 χ^2/NDF: 6683262.1/35


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.022 χ²/NDF:17.1/17
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.014+/-0.021 χ²/NDF:12.4/17
+ sign -0.044+/-0.018 χ²/NDF: 29.6/33
All: -0.018+/-0.013 χ²/NDF: 61.6/69
- sign 0.006+/-0.018 χ²/NDF: 28.2/35



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 74.565+/-0.016 χ^2/NDF:2060905.5/17

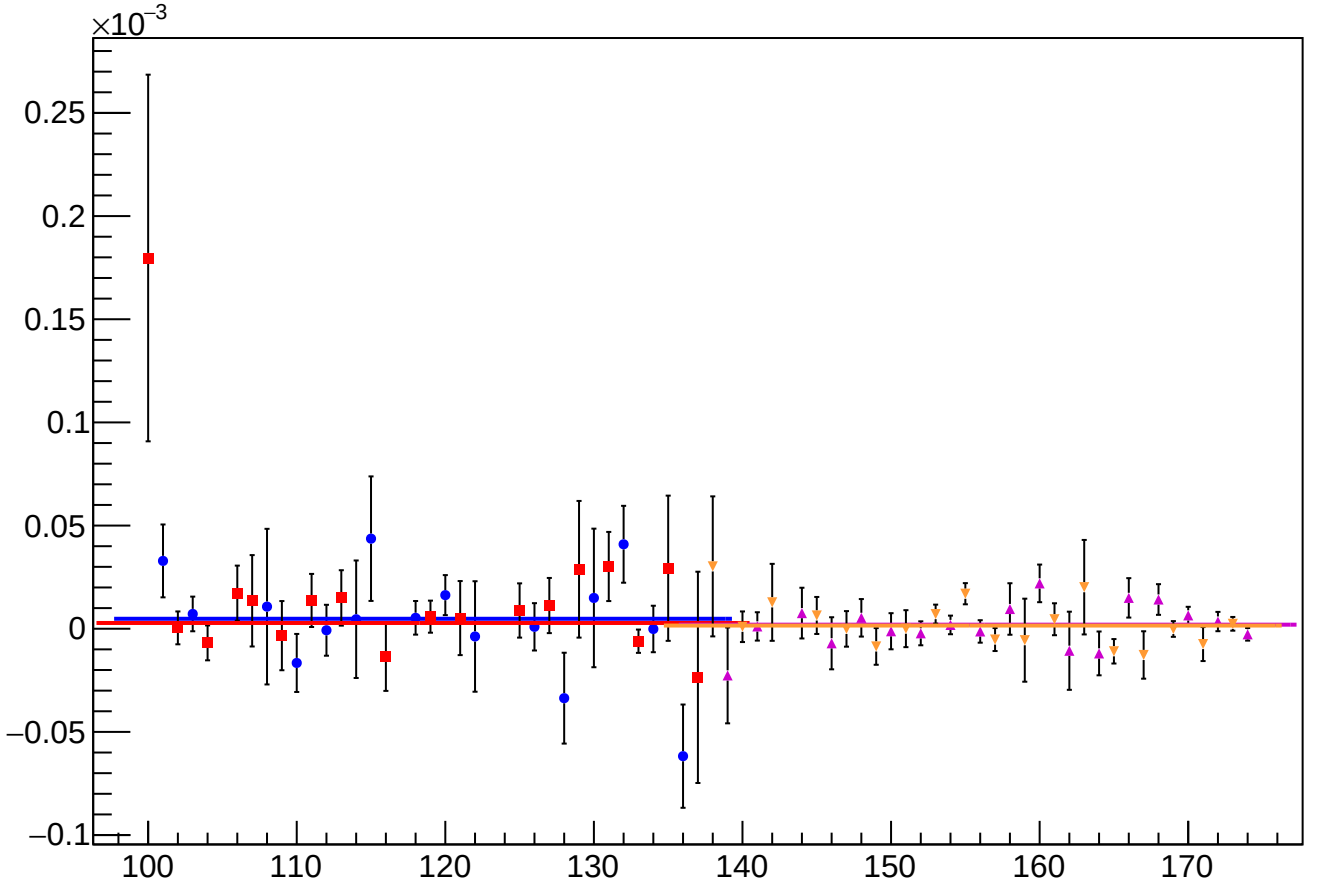
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.105+/-0.015 χ^2/NDF:3335755.8/17

+ sign 74.138+/-0.013 χ^2/NDF: 4917821.3/33

All: 72.541+/-0.009 χ^2/NDF: 11630510.3/69

- 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:23.1/17

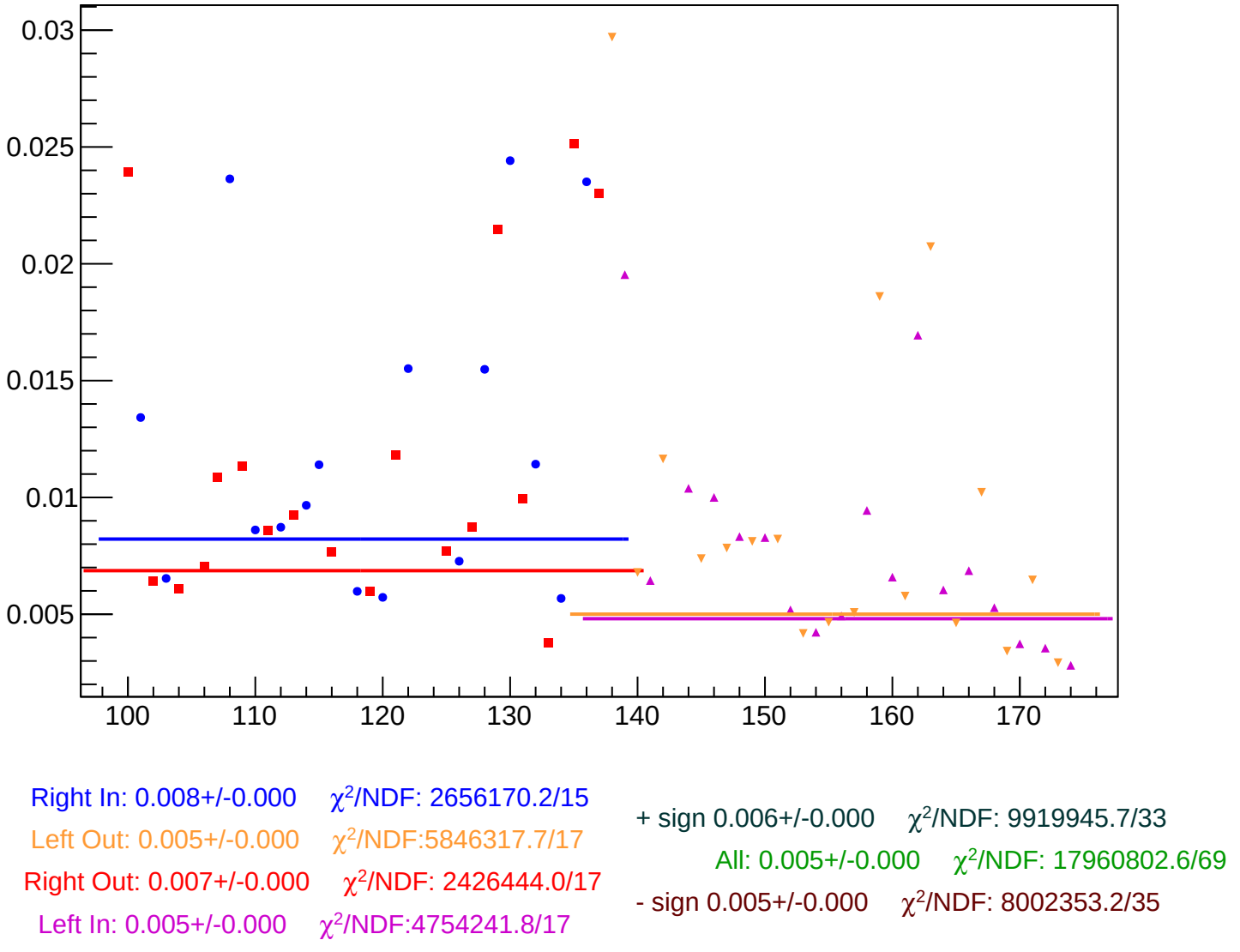
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

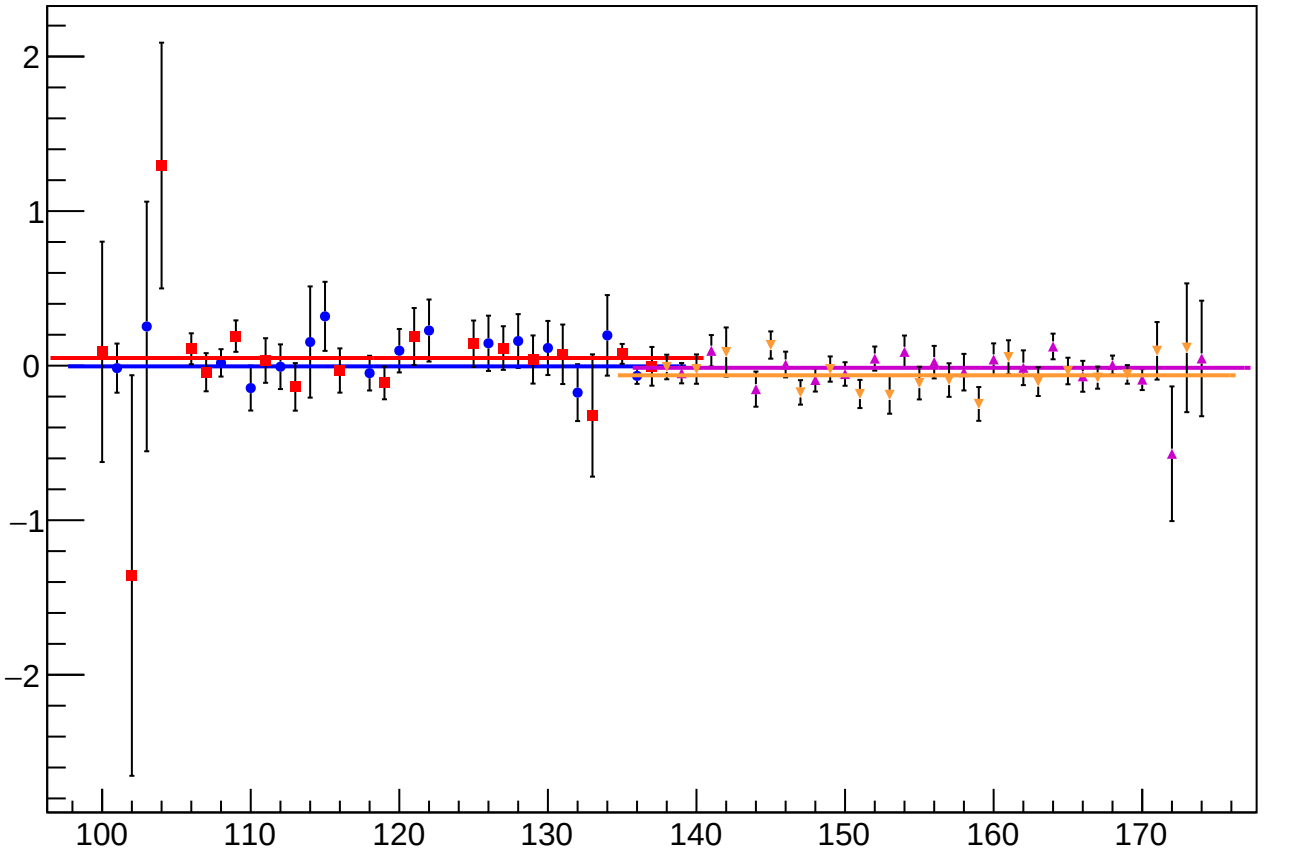
Left In: 0.000+/-0.000 χ^2/NDF:18.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 46.4/33

All: 0.000+/-0.000 χ^2/NDF: 81.8/69

- 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:5846317.7/17
Right Out: 0.007+/-0.000 χ²/NDF: 2426444.0/17
Left In: 0.005+/-0.000 χ²/NDF:4754241.8/17
+ sign 0.006+/-0.000 χ²/NDF: 9919945.7/33
All: 0.005+/-0.000 χ²/NDF: 17960802.6/69
- sign 0.005+/-0.000 χ²/NDF: 8002353.2/35



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.062+/-0.022 χ^2/NDF:17.1/17

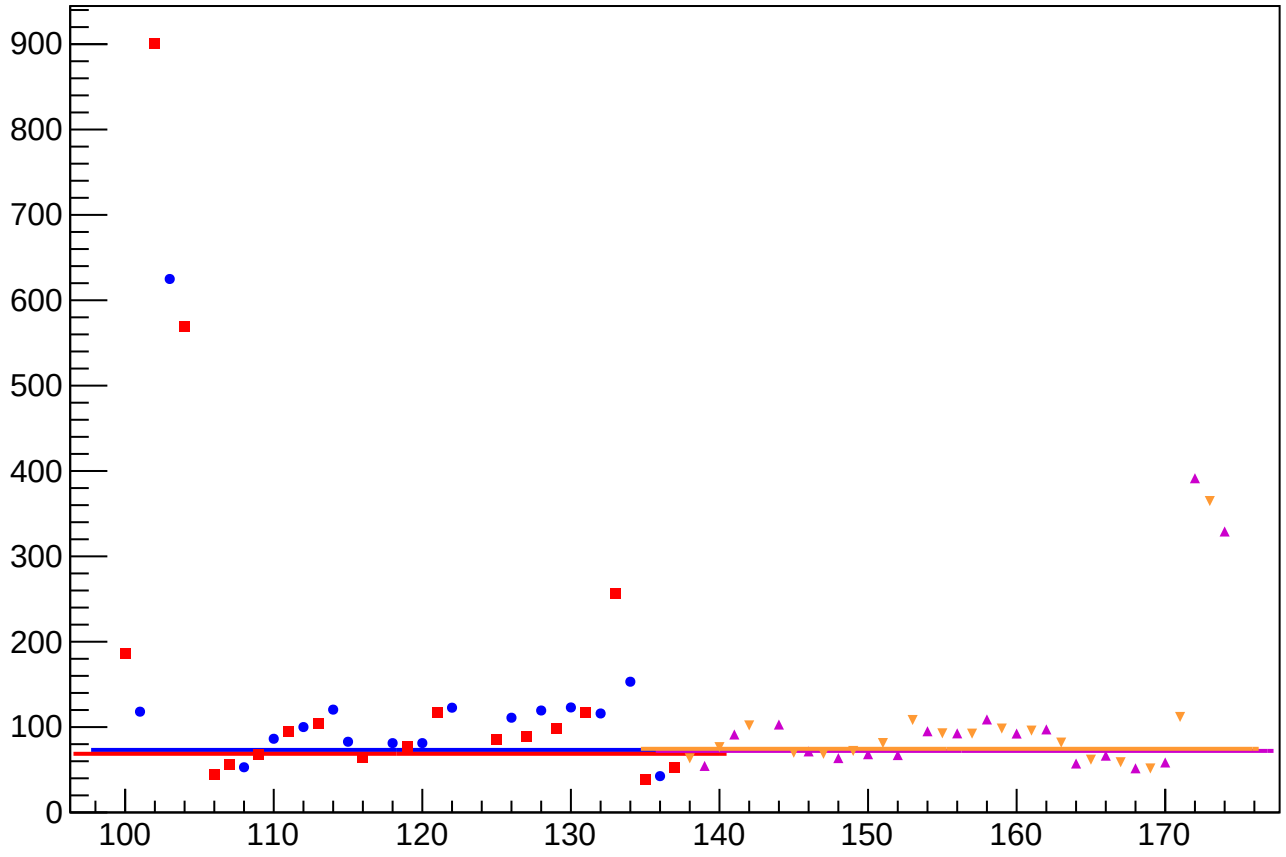
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:12.4/17

+ sign -0.044+/-0.018 χ^2/NDF: 29.6/33

All: -0.018+/-0.013 χ^2/NDF: 61.6/69

- 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: 74.565+/-0.016 χ^2/NDF:2060817.8/17

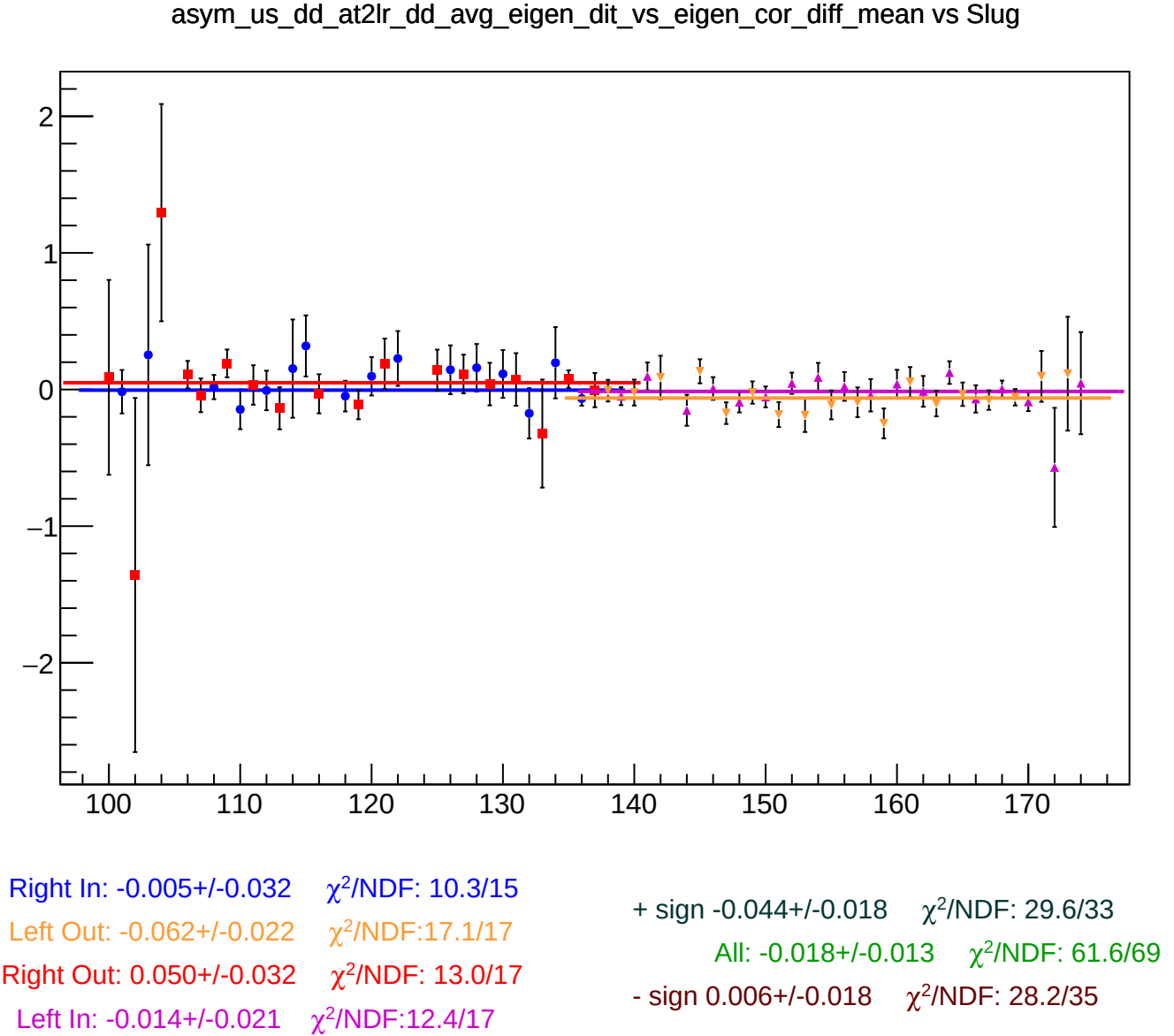
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.106+/-0.015 χ^2/NDF:3335495.1/17

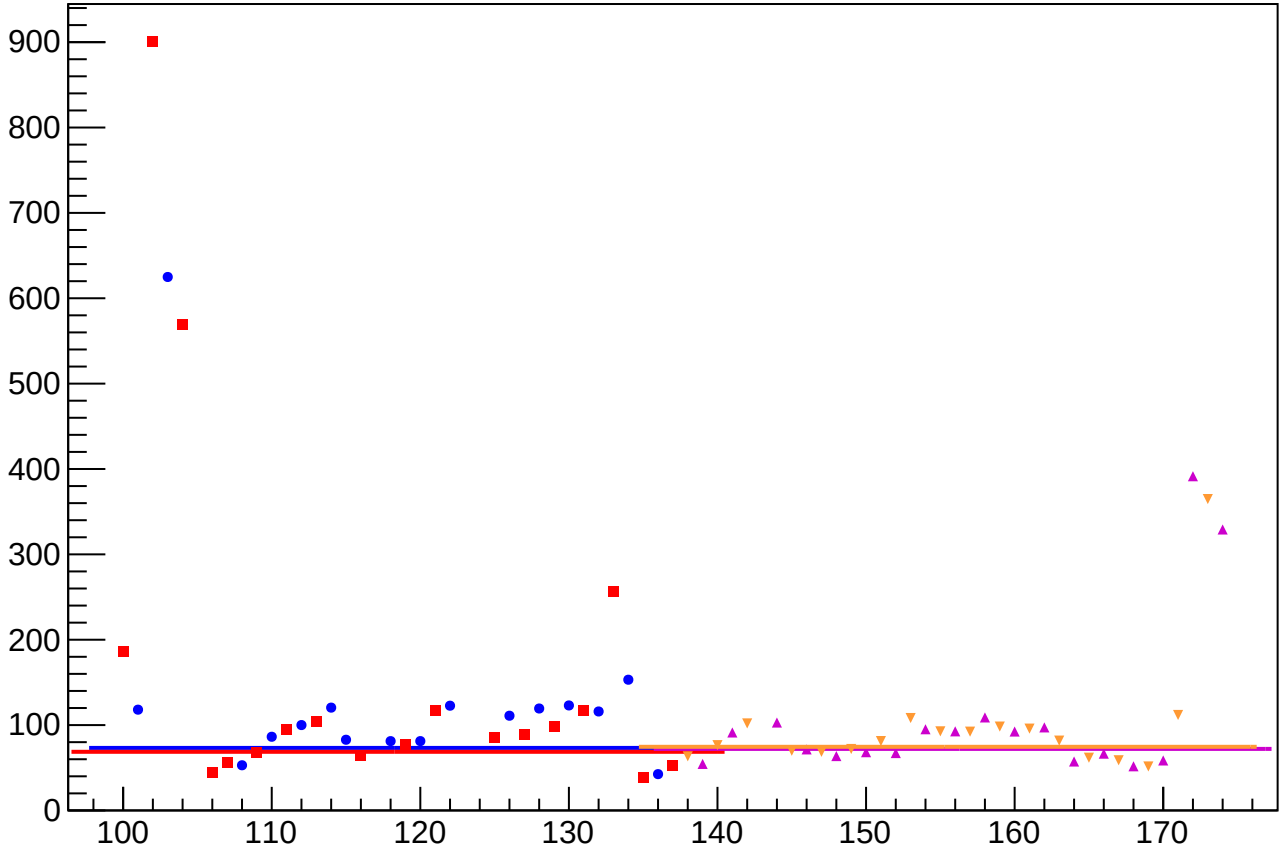
+ sign 74.146+/-0.013 χ^2/NDF: 4915351.2/33

All: 72.544+/-0.009 χ^2/NDF: 11629102.1/69

- sign 71.058+/-0.012 χ^2/NDF: 6684119.5/35


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.022 χ²/NDF:17.1/17
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.014+/-0.021 χ²/NDF:12.4/17
+ sign -0.044+/-0.018 χ²/NDF: 29.6/33
All: -0.018+/-0.013 χ²/NDF: 61.6/69
- sign 0.006+/-0.018 χ²/NDF: 28.2/35

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 74.565+/-0.016 χ^2/NDF:2060817.8/17

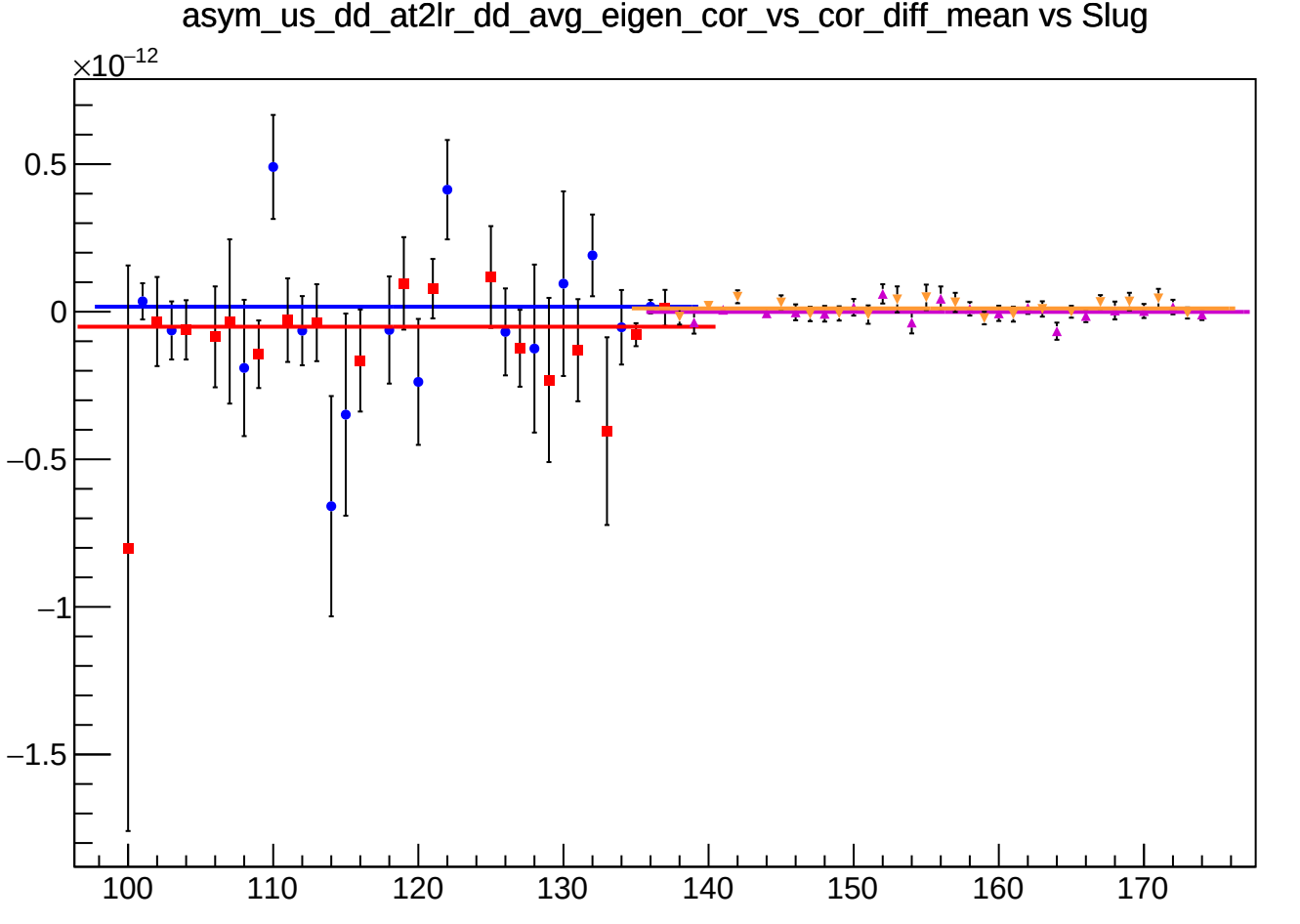
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

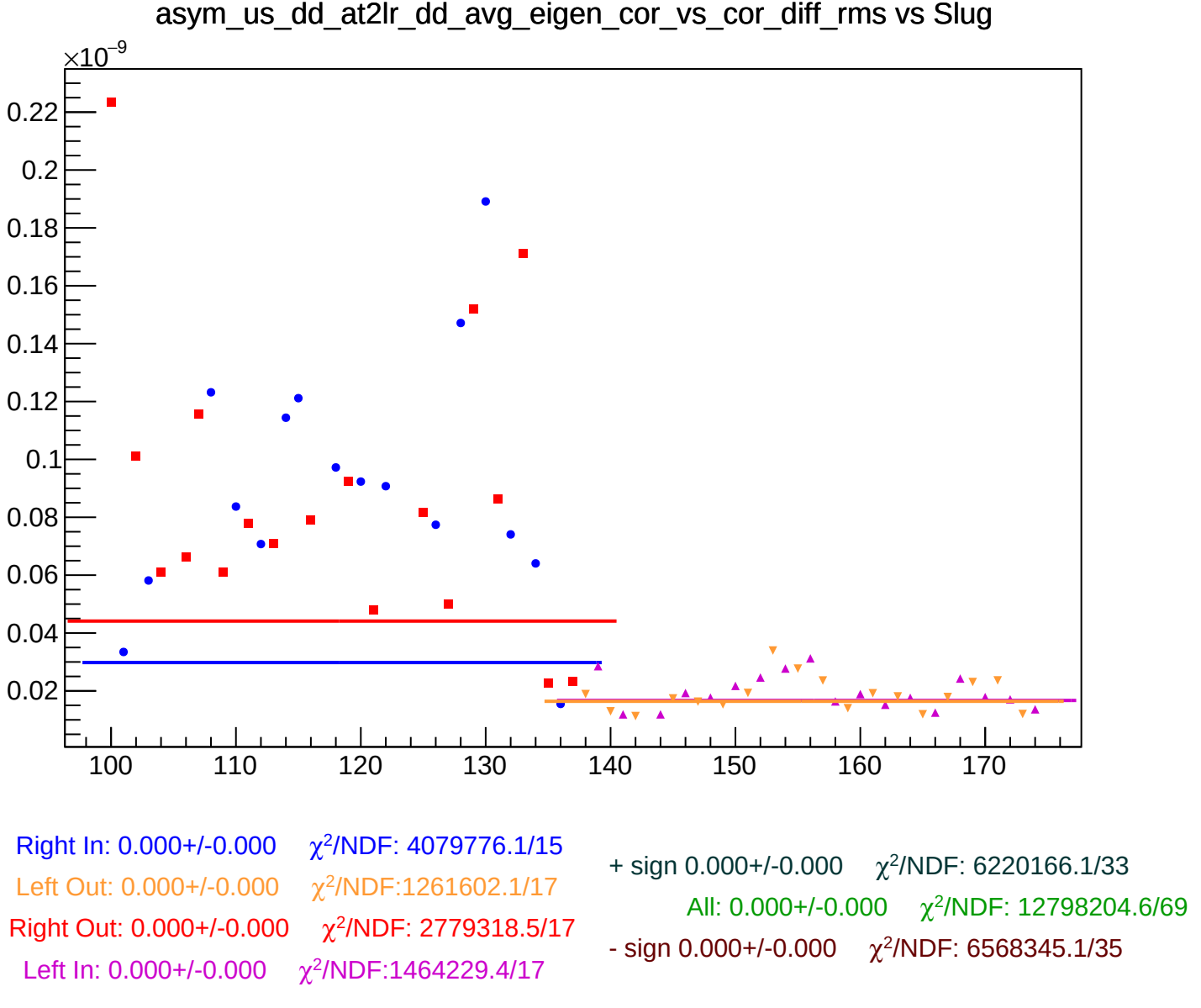
Left In: 72.106+/-0.015 χ^2/NDF:3335495.1/17

+ sign 74.146+/-0.013 χ^2/NDF: 4915351.2/33

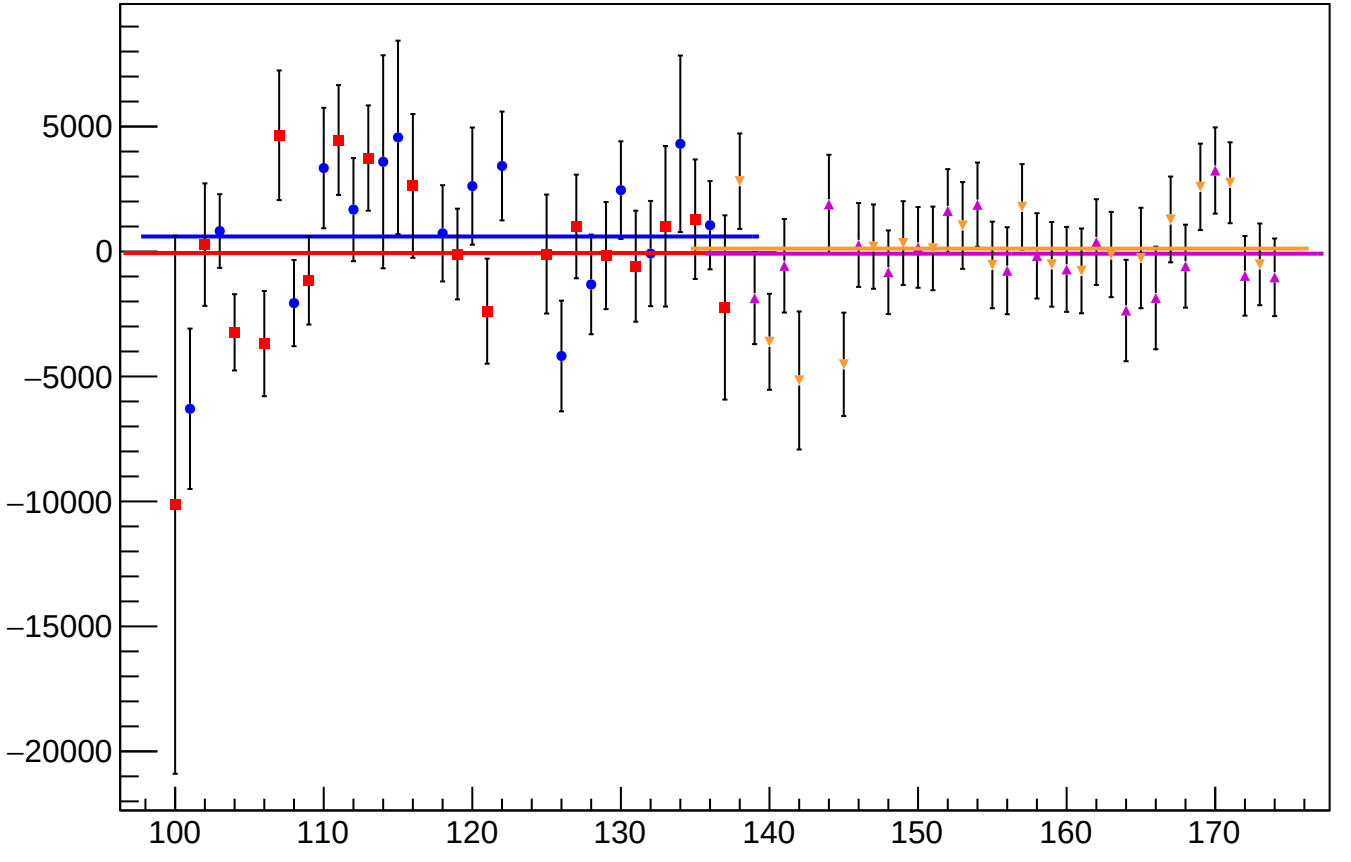
All: 72.544+/-0.009 χ^2/NDF: 11629102.1/69

- sign 71.058+/-0.012 χ^2/NDF: 6684119.5/35


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 23.4/15
Left Out: 0.000+/-0.000 χ²/NDF:14.9/17
Right Out: -0.000+/-0.000 χ²/NDF: 9.1/17
Left In: -0.000+/-0.000 χ²/NDF:14.0/17
+ sign 0.000+/-0.000 χ²/NDF: 38.4/33
All: 0.000+/-0.000 χ²/NDF: 69.0/69
- sign -0.000+/-0.000 χ²/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:1261602.1/17
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: 6220166.1/33
All: 0.000+/-0.000 χ²/NDF: 12798204.6/69
- 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: 117.310+/-418.900 χ^2/NDF:21.6/17

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

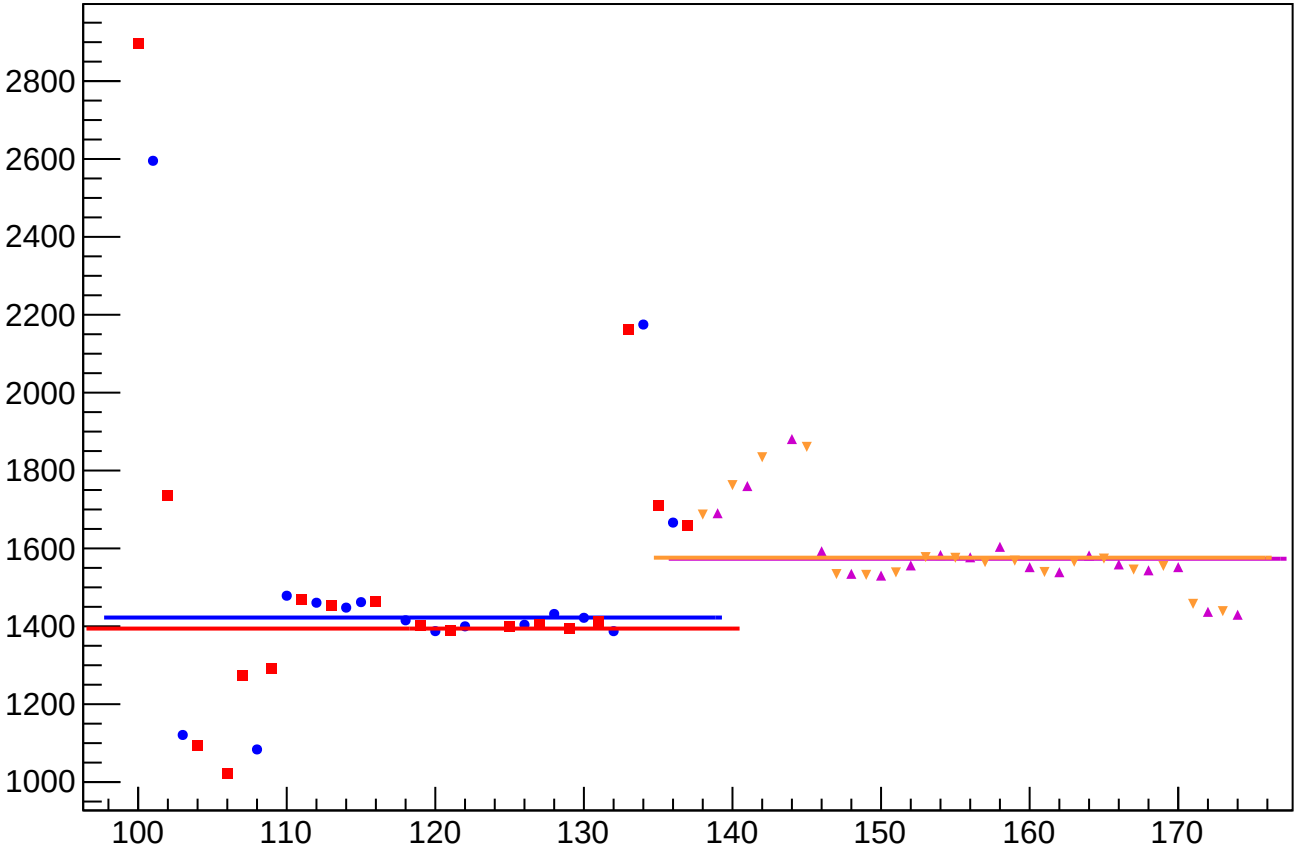
Left In: -86.958+/-408.681 χ^2/NDF:11.5/17

+ sign 298.685+/-330.998 χ^2/NDF: 42.4/33

All: 106.865+/-231.422 χ^2/NDF: 77.1/69

- 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: 1576.205+/-0.296 χ^2/NDF:111454.2/17

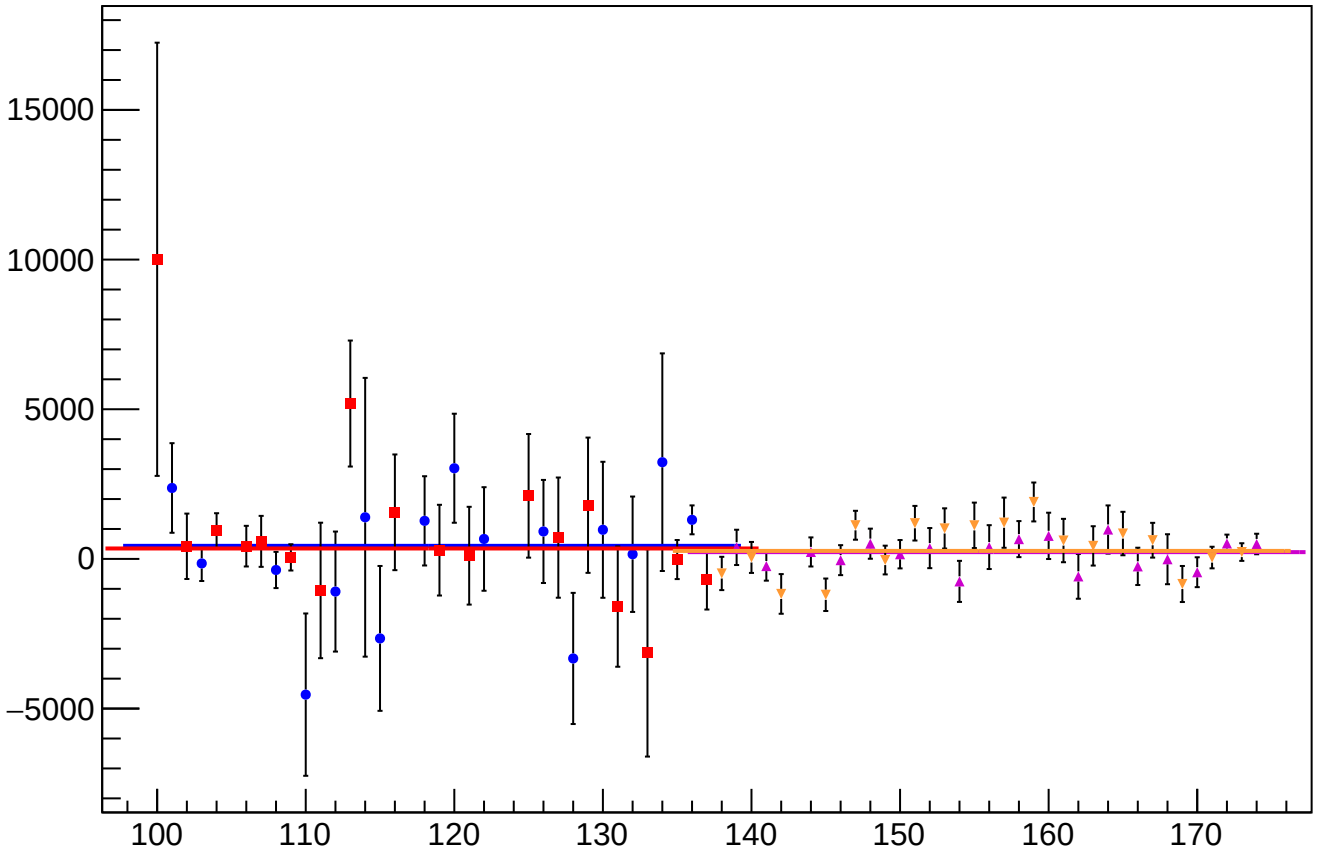
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1573.468+/-0.289 χ^2/NDF:113755.1/17

+ sign 1518.472+/-0.234 χ^2/NDF: 772844.2/33

All: 1512.426+/-0.164 χ^2/NDF: 1425043.0/69

- 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: 267.251+/-125.942 χ^2/NDF:35.3/17

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

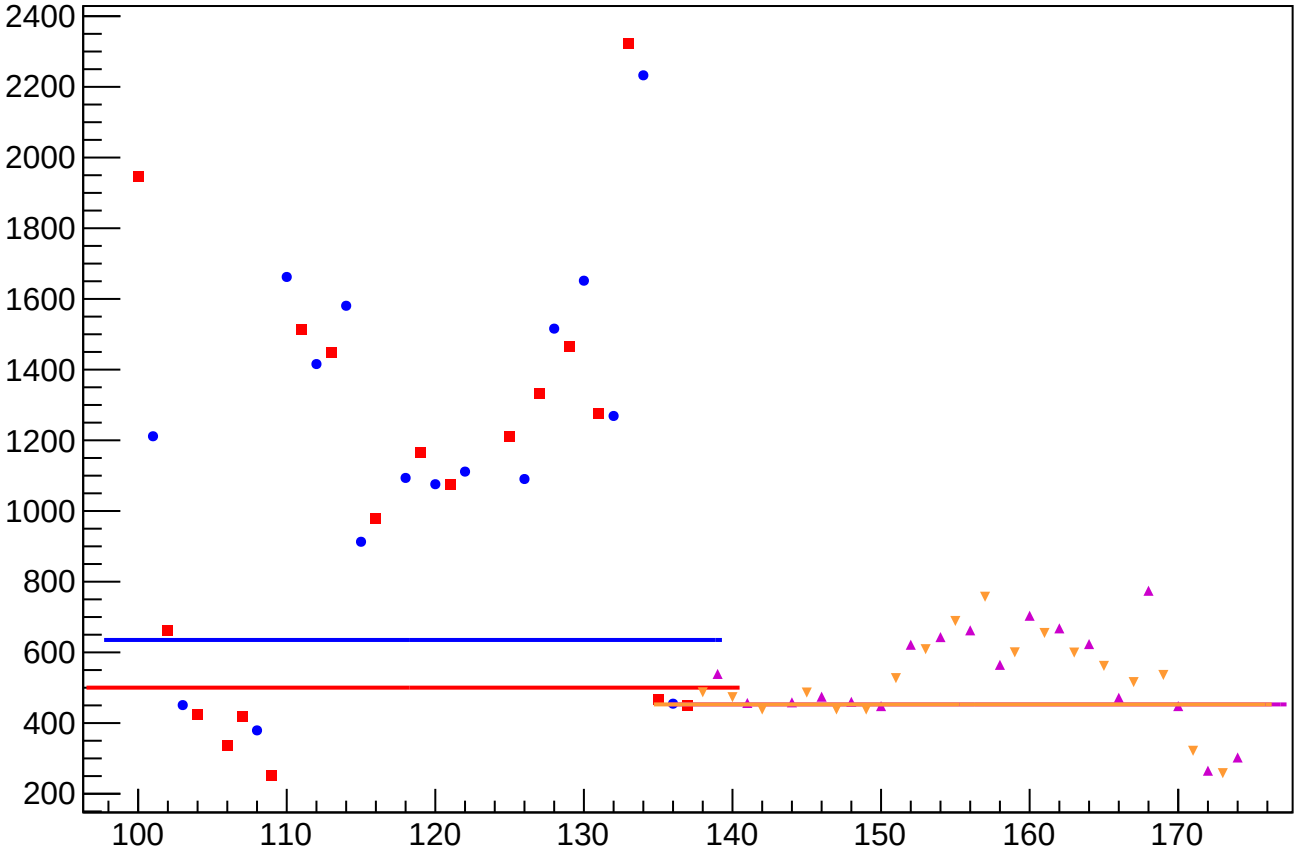
Left In: 226.367+/-123.385 χ^2/NDF:10.9/17

+ sign 296.435+/-114.571 χ^2/NDF: 55.0/33

All: 273.657+/-79.015 χ^2/NDF: 80.0/69

- 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: 452.777+/-0.089 χ^2/NDF:2223434.0/17

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

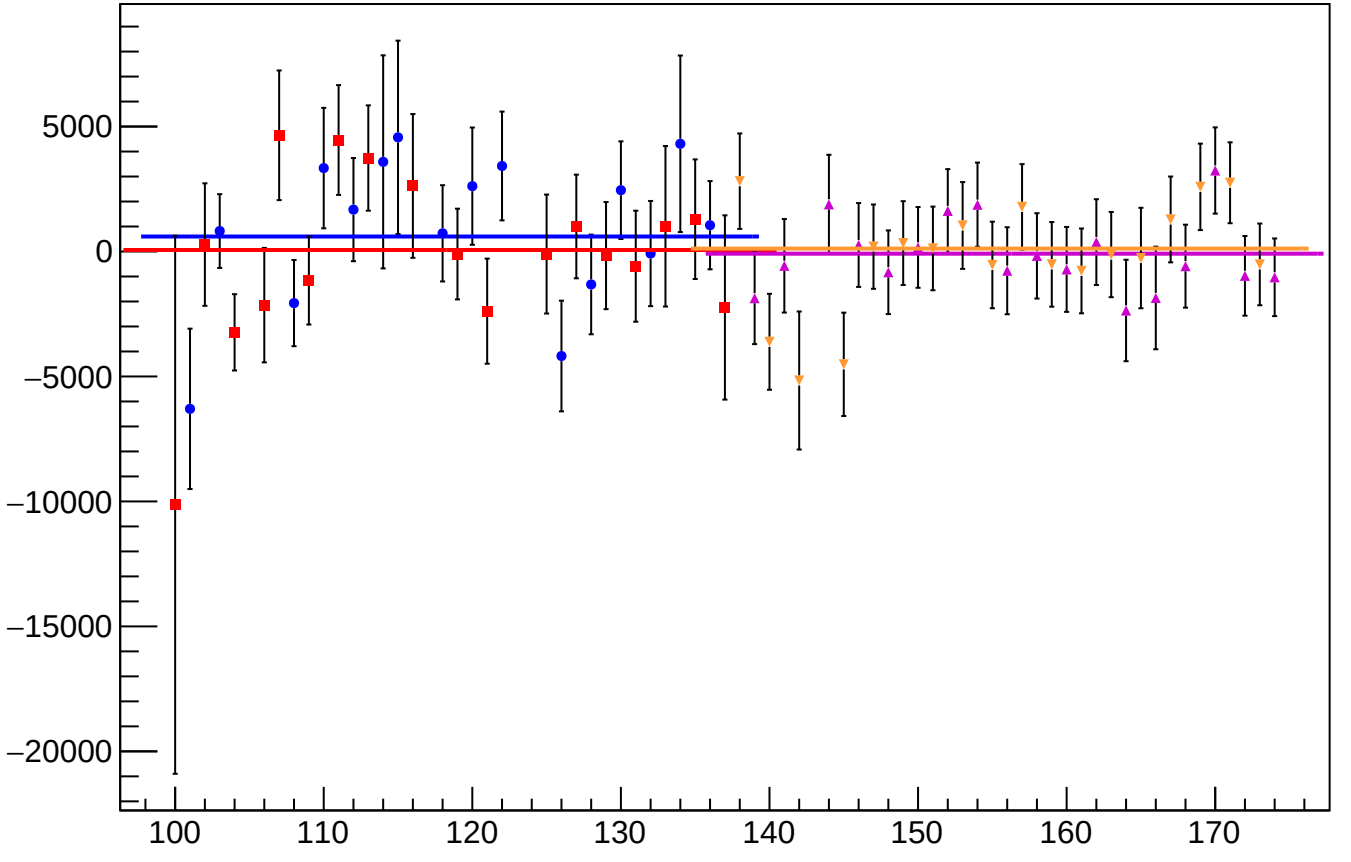
Left In: 452.798+/-0.087 χ^2/NDF:2516069.0/17

+ sign 484.219+/-0.081 χ^2/NDF: 6699008.7/33

All: 473.163+/-0.056 χ^2/NDF: 13624104.1/69

- sign 463.134+/-0.077 χ^2/NDF: 6889575.3/35

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 117.216+/-418.900 χ^2/NDF:21.6/17

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

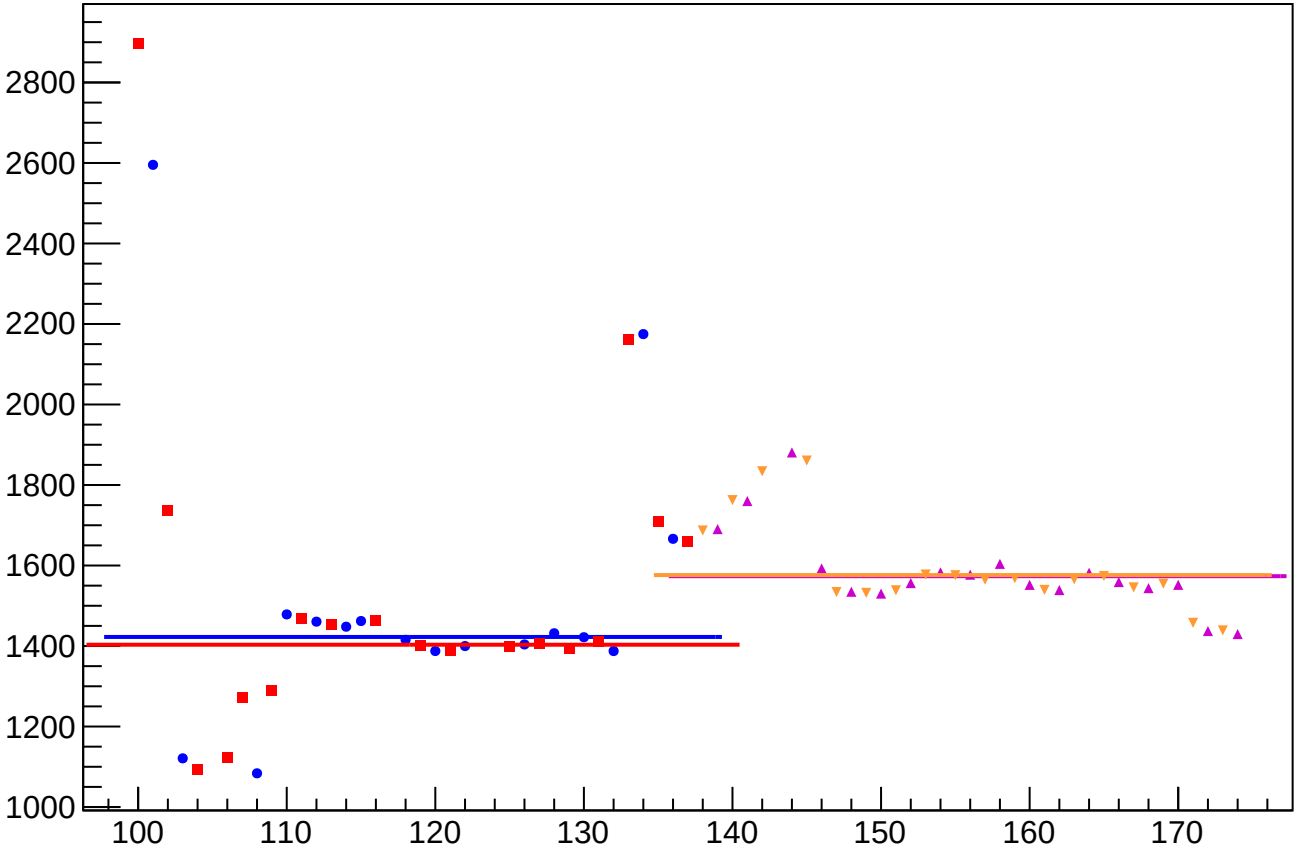
Left In: -86.911+/-408.681 χ^2/NDF:11.5/17

+ sign 298.580+/-330.998 χ^2/NDF: 42.4/33

All: 129.715+/-231.639 χ^2/NDF: 74.9/69

- 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: 1576.205+/-0.296 χ^2/NDF:111454.2/17

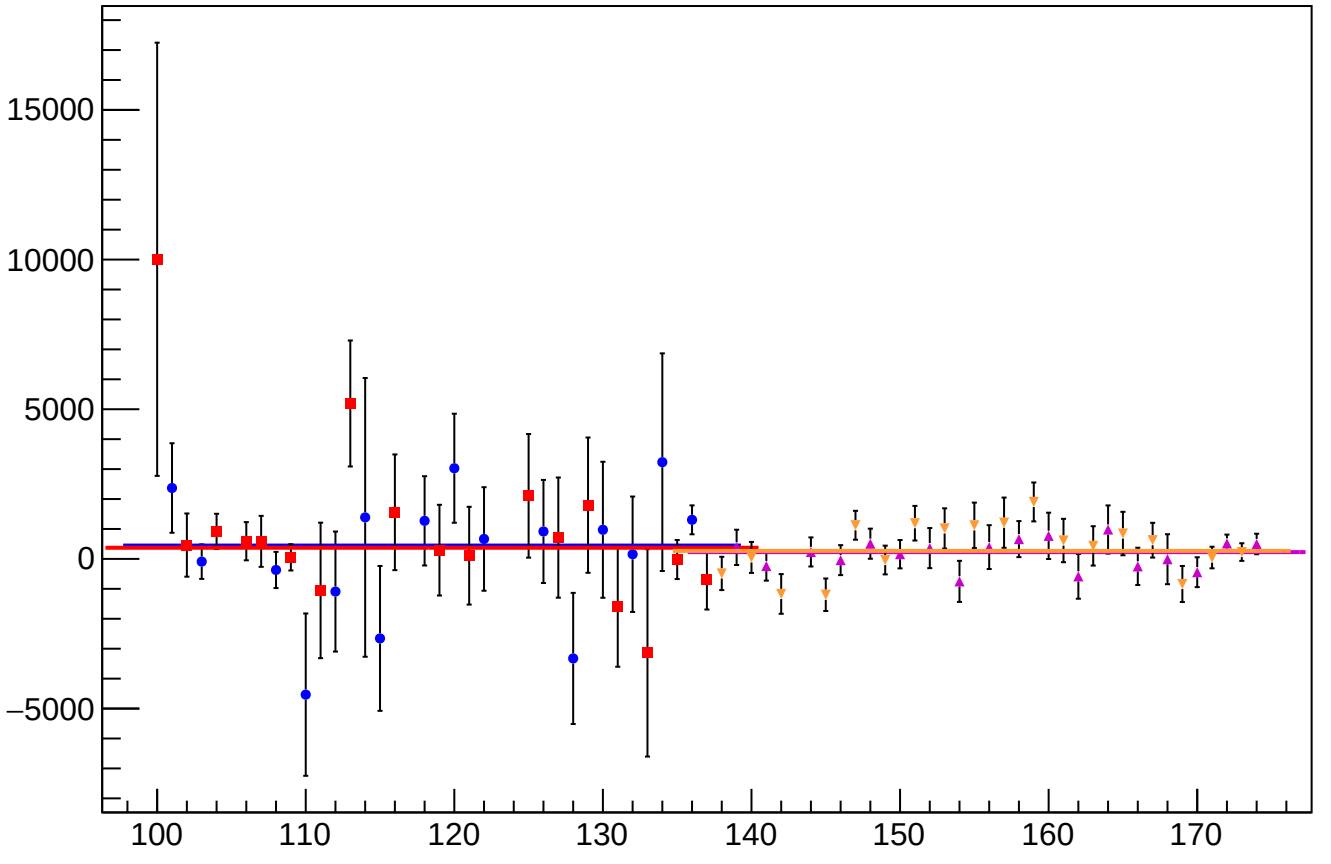
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1573.468+/-0.289 χ^2/NDF:113755.1/17

+ sign 1518.472+/-0.234 χ^2/NDF: 772844.6/33

All: 1514.358+/-0.164 χ^2/NDF: 1374875.6/69

- 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: 267.260+/-125.943 χ^2/NDF:35.3/17

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

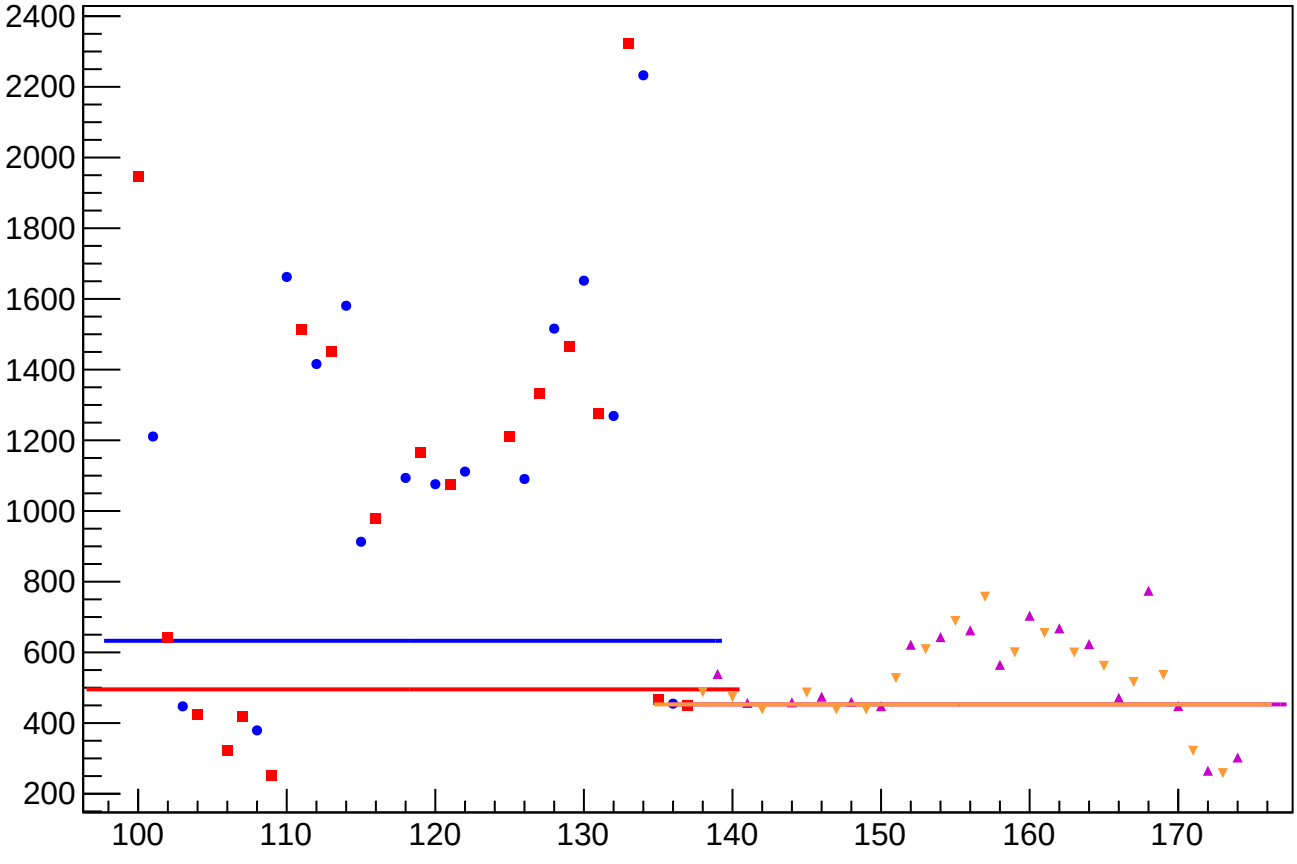
Left In: 226.518+/-123.386 χ^2/NDF:10.9/17

\+ sign 298.145+/-114.487 χ^2/NDF: 54.8/33

All: 277.512+/-78.894 χ^2/NDF: 80.1/69

\- 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: 452.775+/-0.089 χ^2/NDF:2223685.6/17

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

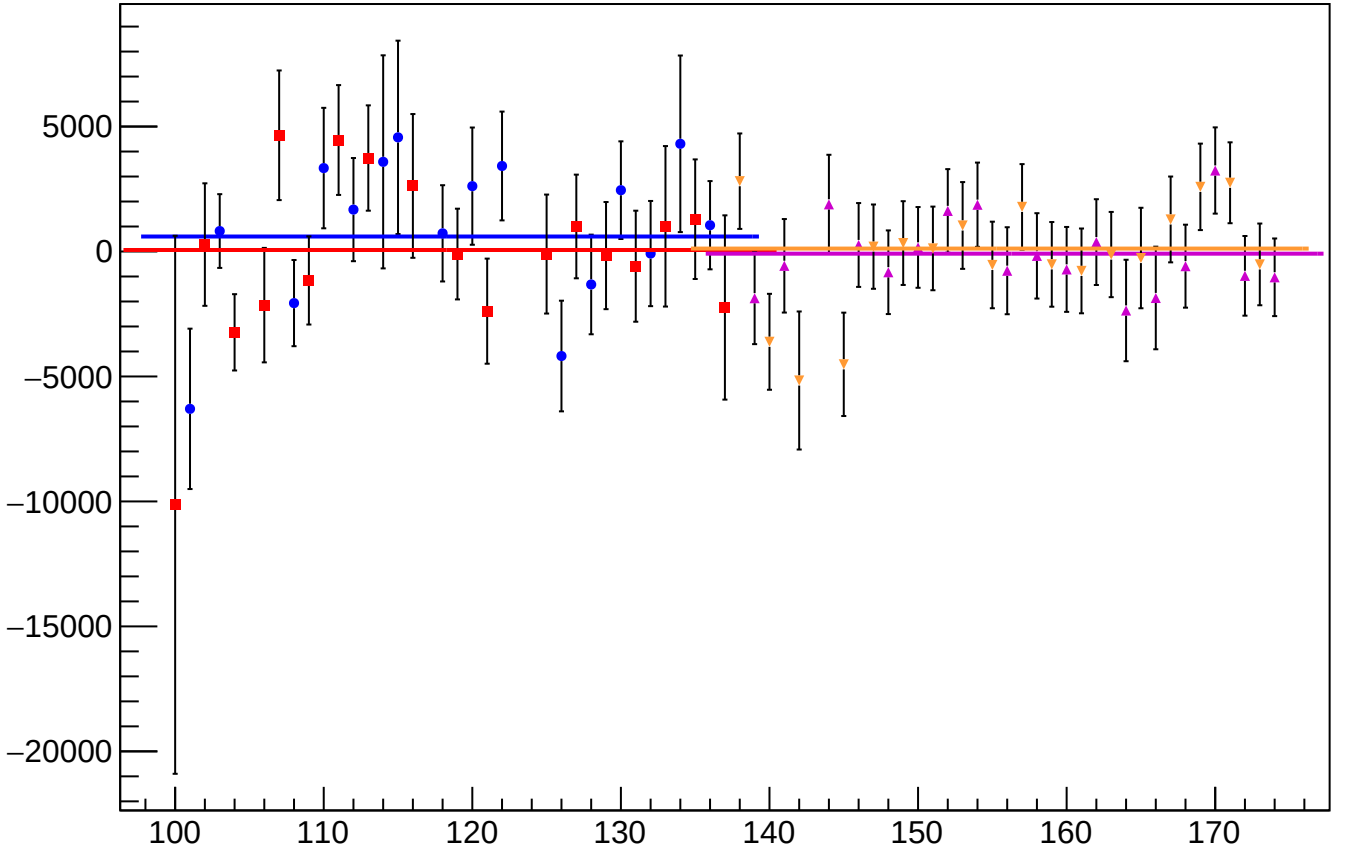
Left In: 452.804+/-0.087 χ^2/NDF:2515767.8/17

+ sign 484.028+/-0.081 χ^2/NDF: 6700661.8/33

All: 472.583+/-0.056 χ^2/NDF: 13644714.1/69

- sign 462.233+/-0.077 χ^2/NDF: 6905986.9/35

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 117.216+/-418.900 χ^2/NDF:21.6/17

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

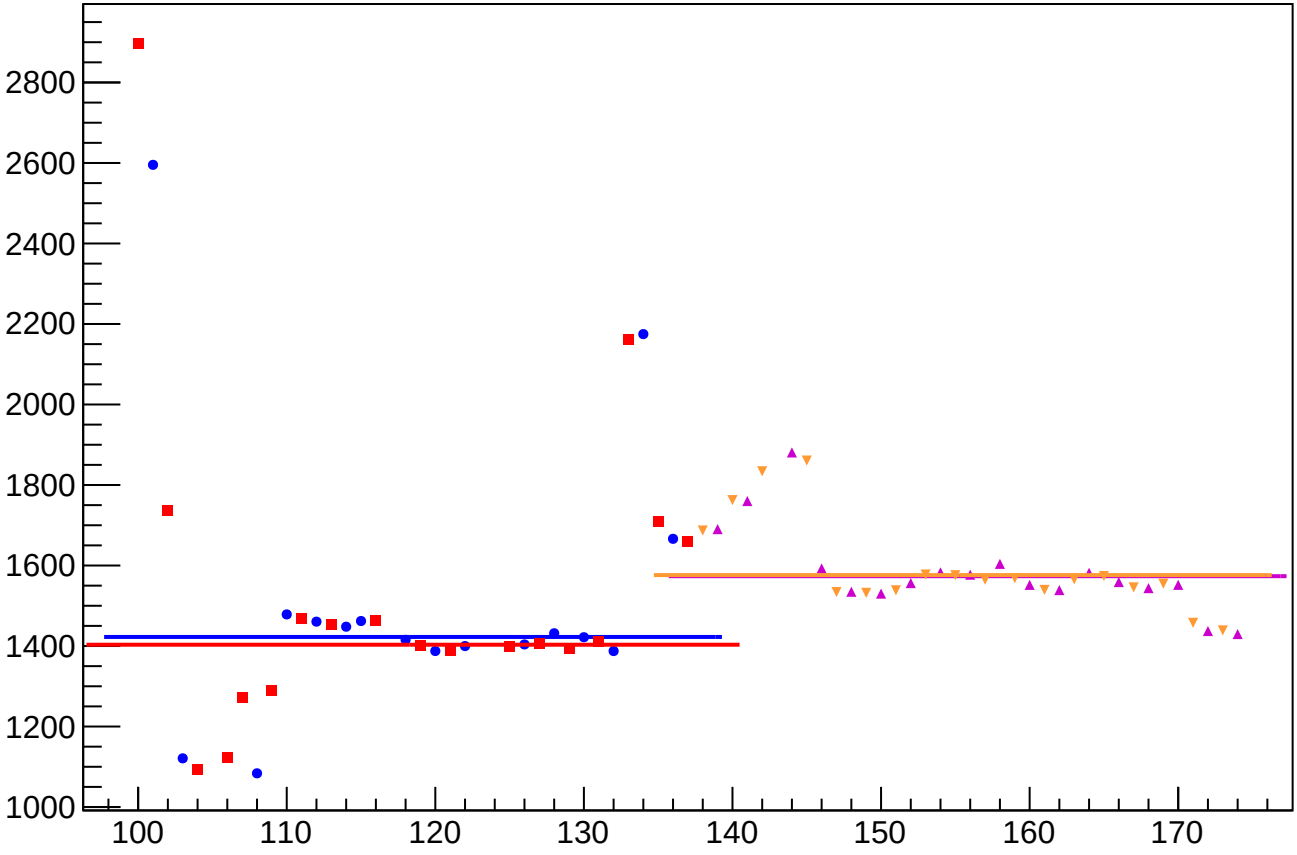
Left In: -86.911+/-408.681 χ^2/NDF:11.5/17

+ sign 298.580+/-330.998 χ^2/NDF: 42.4/33

All: 129.715+/-231.639 χ^2/NDF: 74.9/69

- 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: 1576.205+/-0.296 χ^2/NDF:111454.2/17

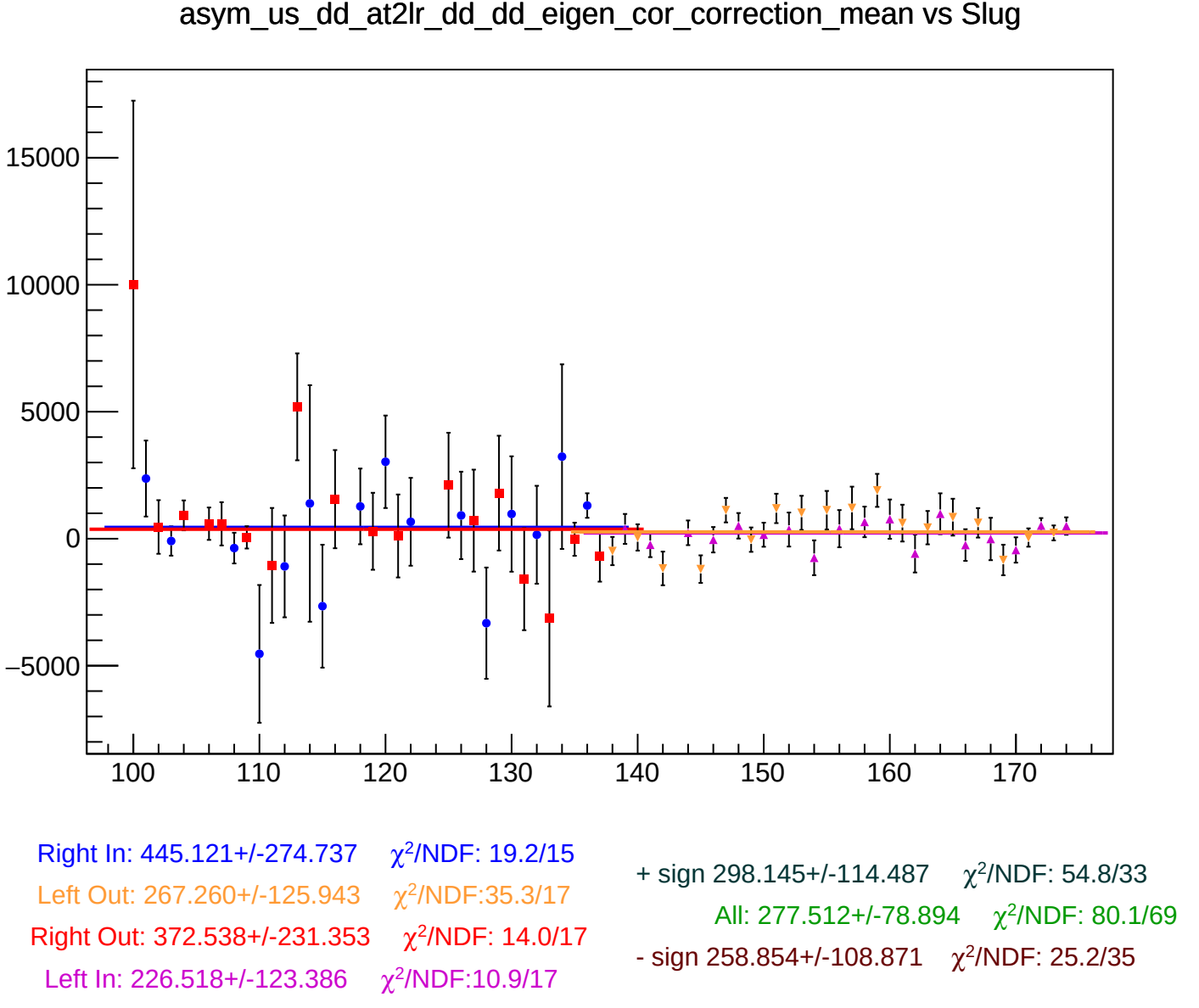
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

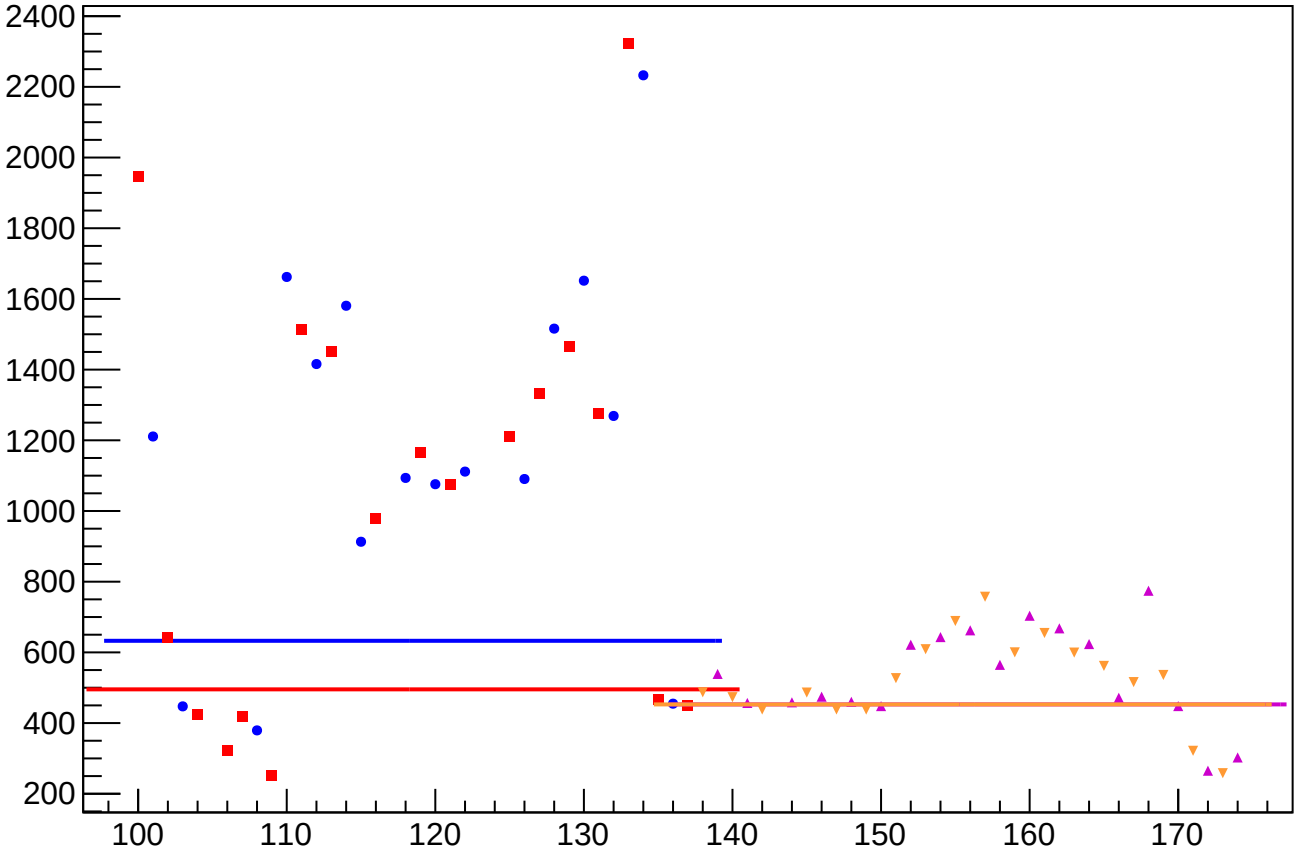
Left In: 1573.468+/-0.289 χ^2/NDF:113755.1/17

+ sign 1518.472+/-0.234 χ^2/NDF: 772844.6/33

All: 1514.358+/-0.164 χ^2/NDF: 1374875.6/69

- sign 1510.409+/-0.229 χ^2/NDF: 601425.5/35


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: 445.121+/-274.737 χ²/NDF: 19.2/15
Left Out: 267.260+/-125.943 χ²/NDF:35.3/17
Right Out: 372.538+/-231.353 χ²/NDF: 14.0/17
Left In: 226.518+/-123.386 χ²/NDF:10.9/17
+ sign 298.145+/-114.487 χ²/NDF: 54.8/33
All: 277.512+/-78.894 χ²/NDF: 80.1/69
- sign 258.854+/-108.871 χ²/NDF: 25.2/35



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 452.775+/-0.089 χ^2/NDF:2223685.6/17

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

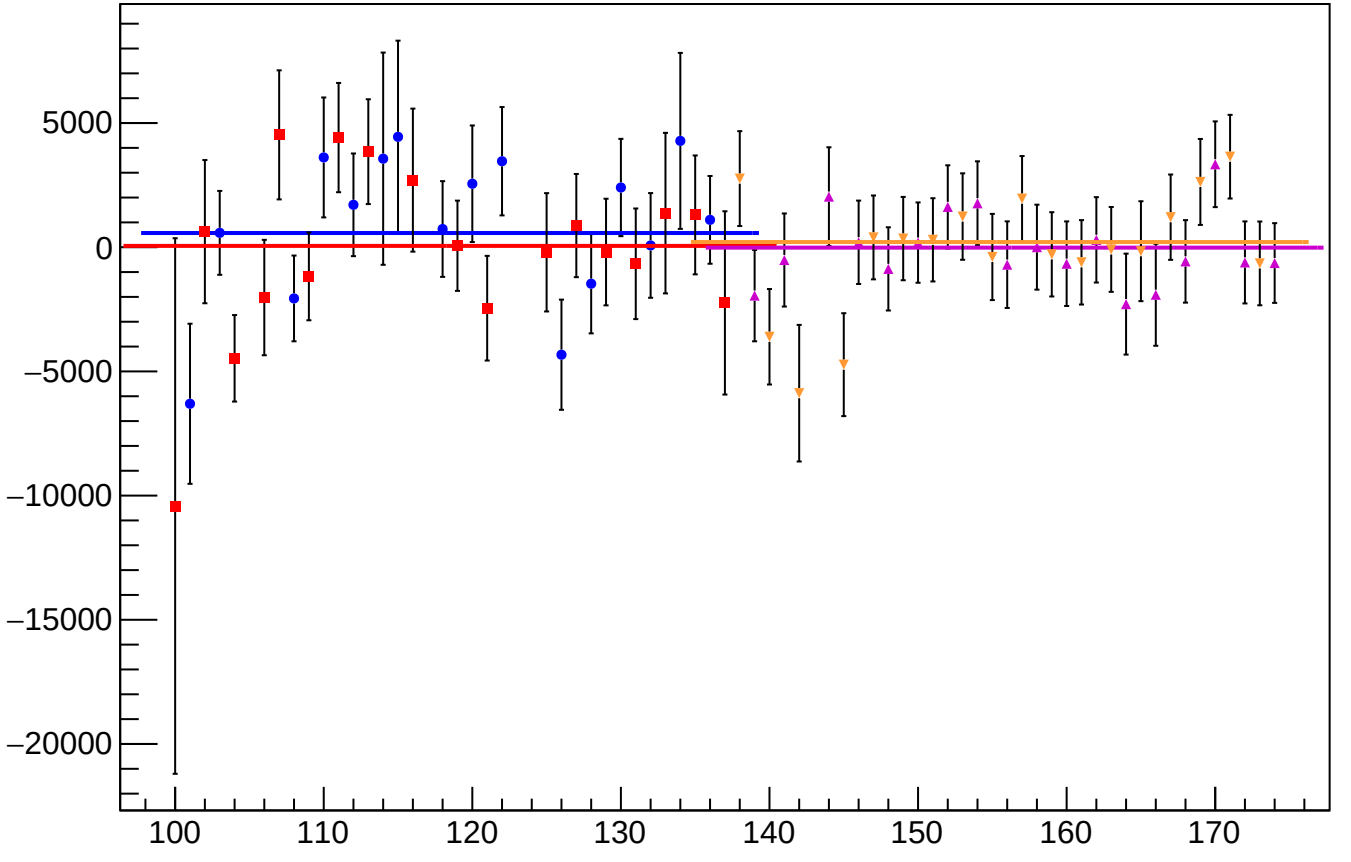
Left In: 452.804+/-0.087 χ^2/NDF:2515767.8/17

+ sign 484.028+/-0.081 χ^2/NDF: 6700661.8/33

All: 472.583+/-0.056 χ^2/NDF: 13644714.1/69

- 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: 209.013+/-421.231 χ^2/NDF:24.9/17

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

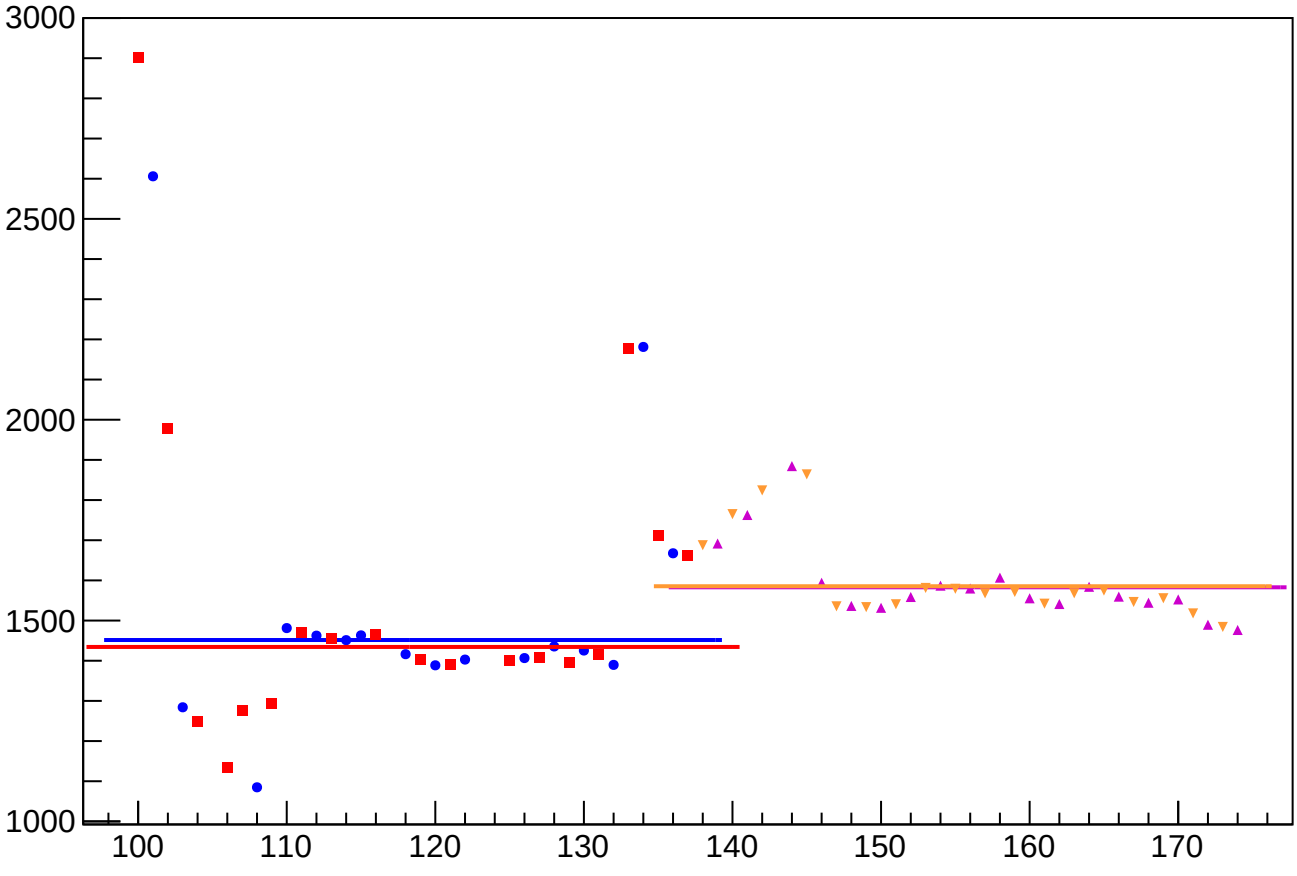
Left In: -16.662+/-410.982 χ^2/NDF:11.2/17

\+ sign 343.431+/-334.338 χ^2/NDF: 46.0/33

All: 173.046+/-234.218 χ^2/NDF: 80.2/69

\- 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: 1585.449+/-0.298 χ^2/NDF:93523.7/17

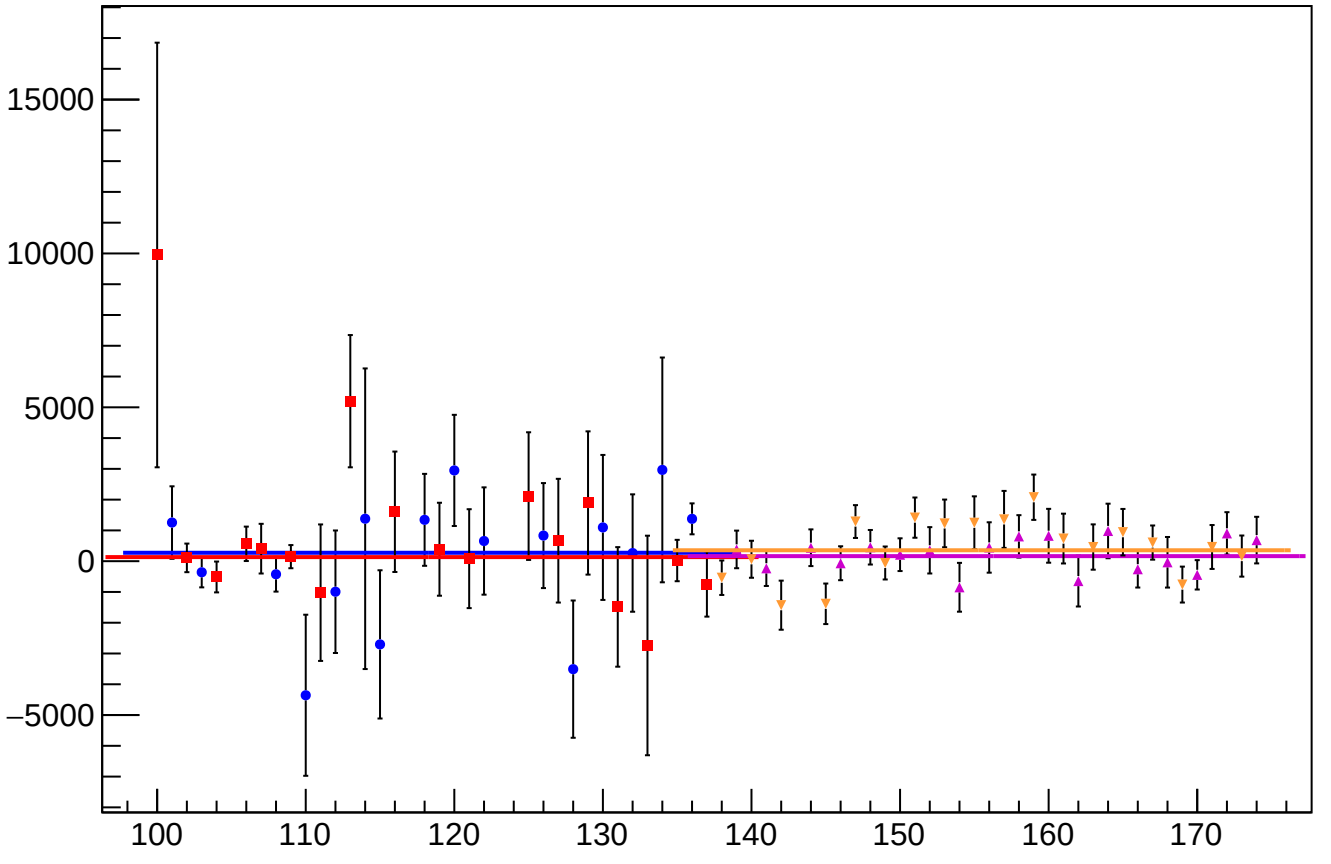
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1582.806+/-0.291 χ^2/NDF:94834.0/17

+ sign 1535.915+/-0.236 χ^2/NDF: 656103.6/33

All: 1532.405+/-0.166 χ^2/NDF: 1174522.6/69

- 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: 354.405+/-156.735 χ^2/NDF:34.8/17

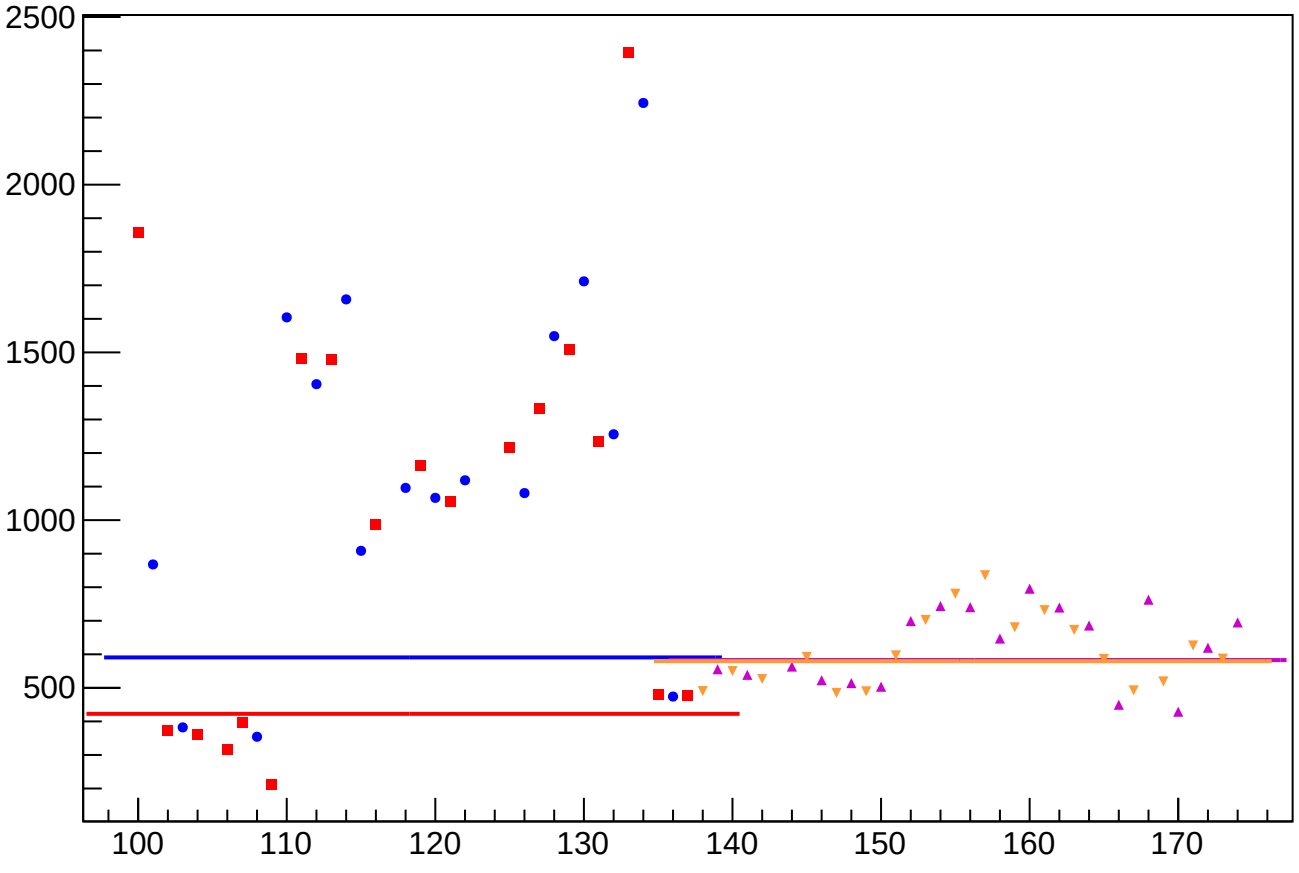
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 163.968+/-154.215 χ^2/NDF:10.1/17

+ sign 332.890+/-134.305 χ^2/NDF: 55.1/33

All: 233.155+/-89.971 χ^2/NDF: 80.7/69

- sign 151.959+/-121.182 χ^2/NDF: 24.6/35



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 579.539+/-0.111 χ^2/NDF:718236.9/17

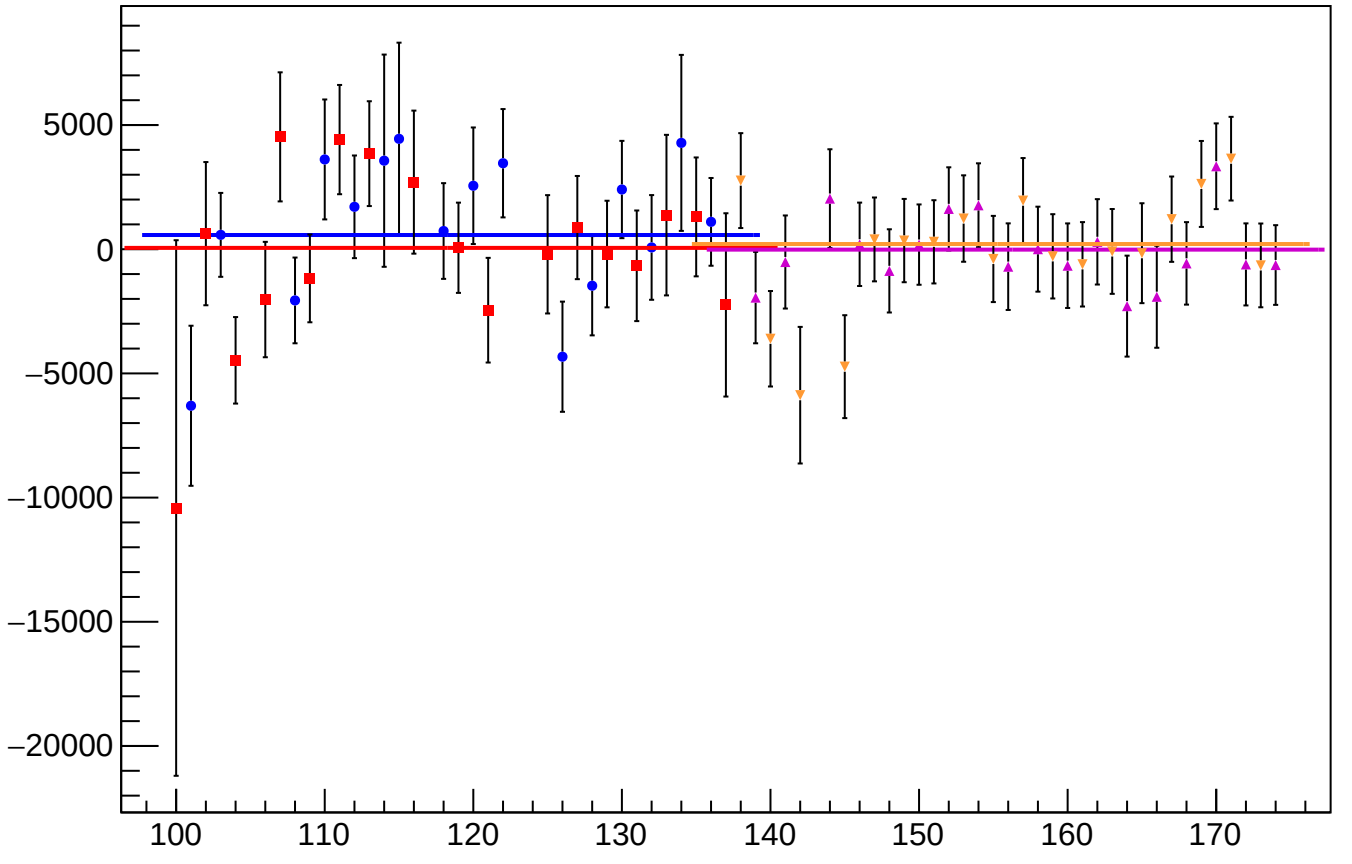
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 582.889+/-0.109 χ^2/NDF:1008242.1/17

+ sign 582.517+/-0.095 χ^2/NDF: 4606457.9/33

All: 548.930+/-0.064 χ^2/NDF: 11525835.1/69

- 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: 209.008+/-421.231 χ^2/NDF:24.9/17

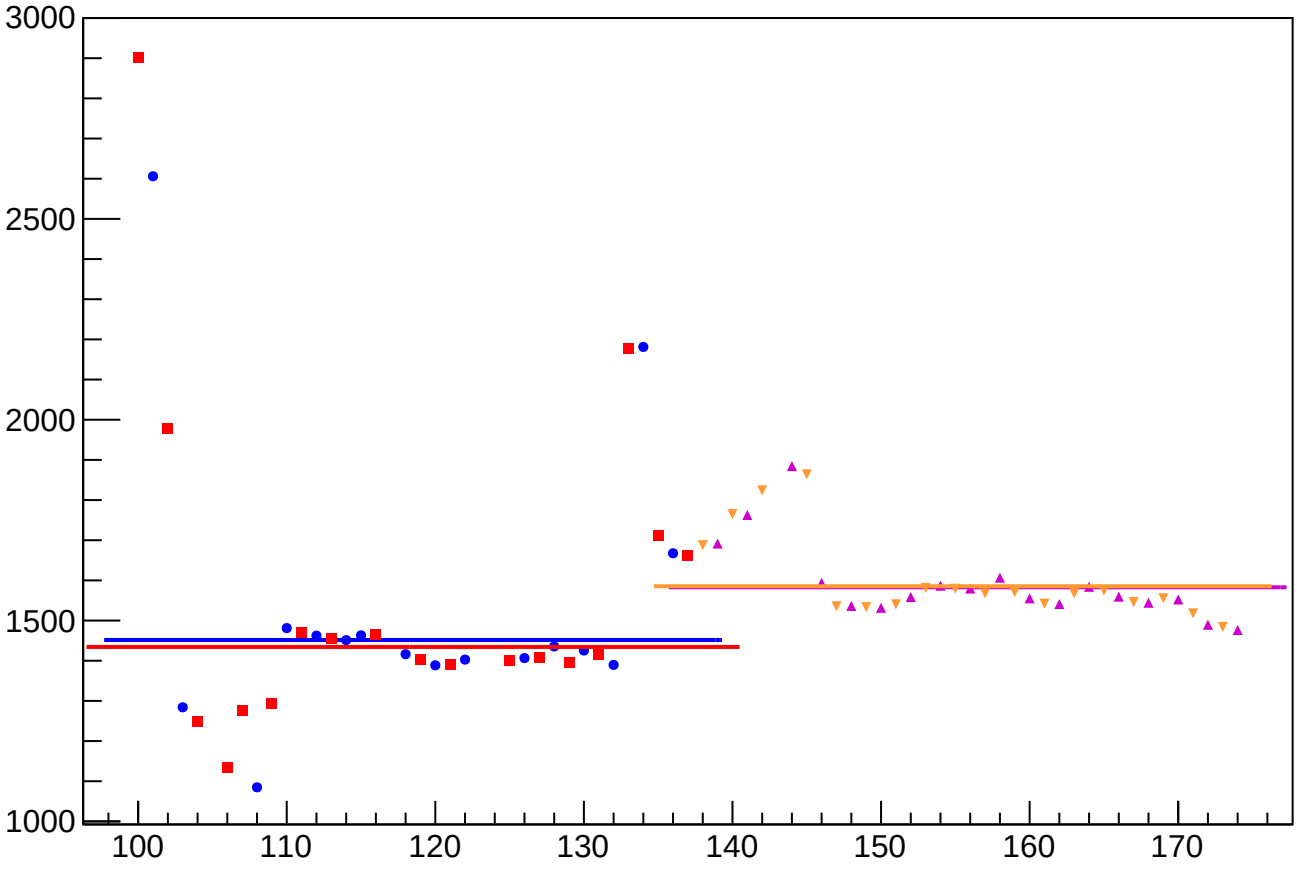
Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: -16.664+/-410.982 χ^2/NDF:11.2/17

\+ sign 343.427+/-334.338 χ^2/NDF: 46.0/33

All: 173.043+/-234.218 χ^2/NDF: 80.2/69

\- sign 8.842+/-328.216 χ^2/NDF: 33.7/35



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1585.448+/-0.298 χ^2/NDF:93524.5/17

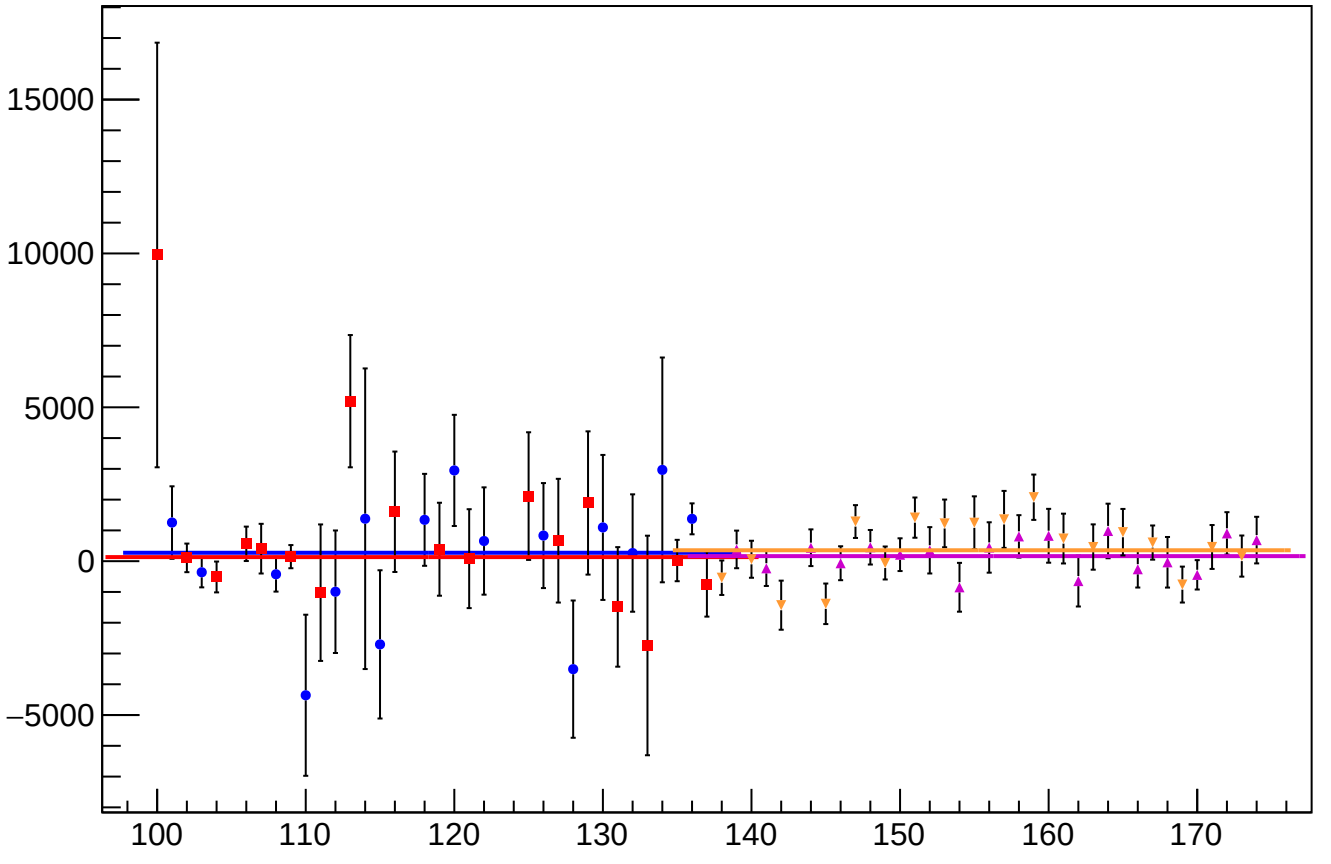
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1582.806+/-0.291 χ^2/NDF:94834.8/17

+ sign 1535.915+/-0.236 χ^2/NDF: 656103.5/33

All: 1532.405+/-0.166 χ^2/NDF: 1174523.1/69

- 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: 354.413+/-156.735 χ^2/NDF:34.8/17

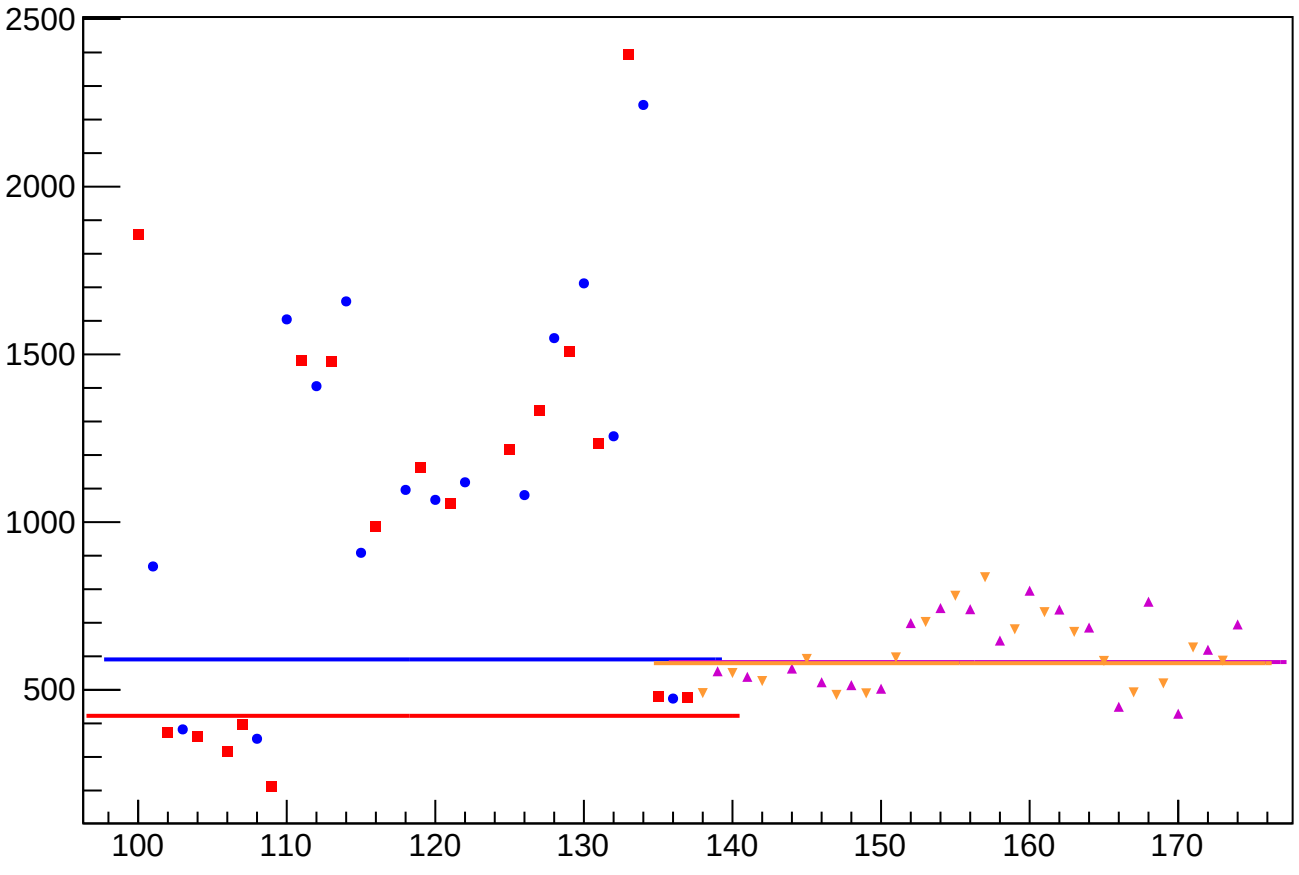
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 163.970+/-154.215 χ^2/NDF:10.1/17

+ sign 332.893+/-134.305 χ^2/NDF: 55.1/33

All: 233.156+/-89.971 χ^2/NDF: 80.7/69

- 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: 579.540+/-0.111 χ^2/NDF:718220.1/17

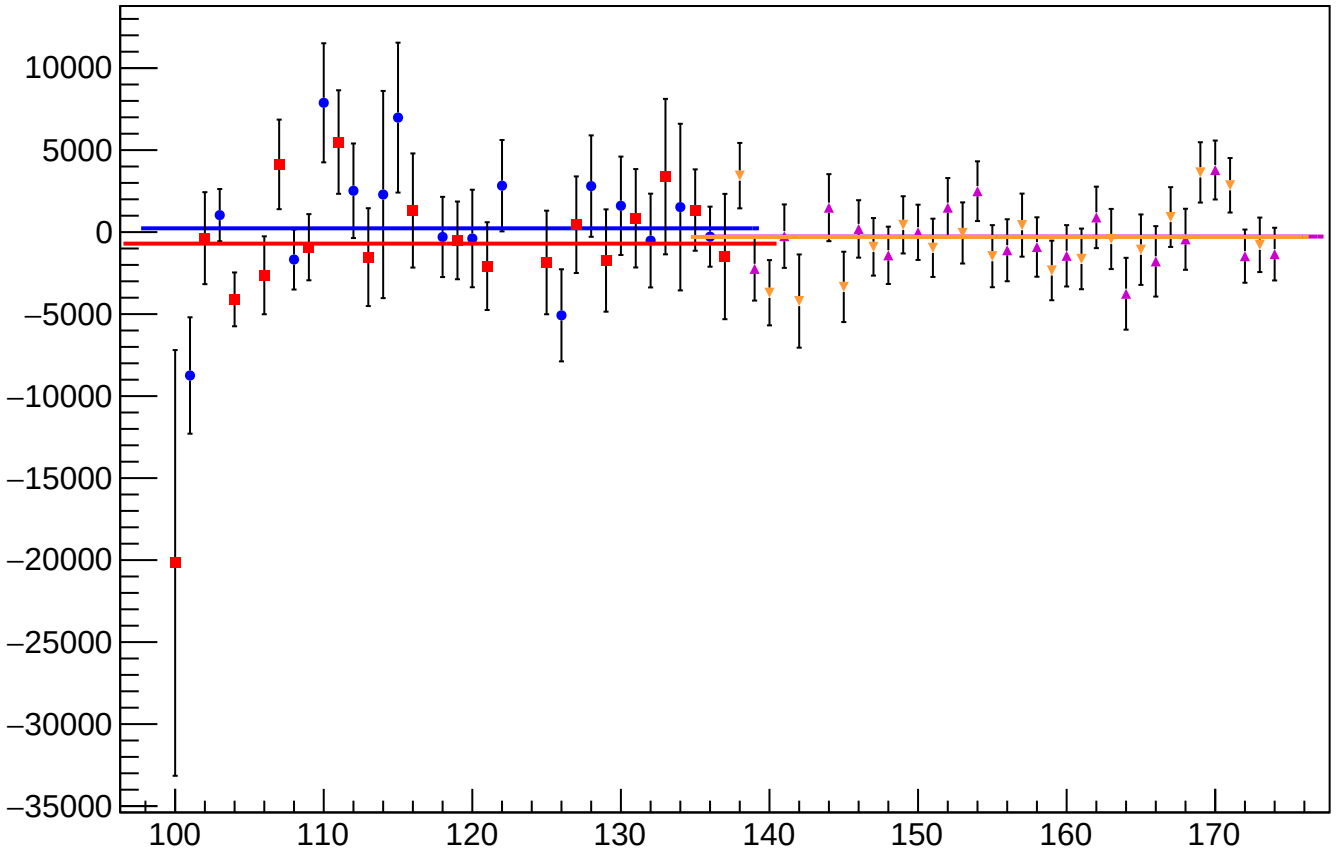
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 582.889+/-0.109 χ^2/NDF:1008246.5/17

+ sign 582.518+/-0.095 χ^2/NDF: 4606468.0/33

All: 548.932+/-0.064 χ^2/NDF: 11525686.3/69

- 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: -297.179+/-443.564 χ^2/NDF:21.9/17

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

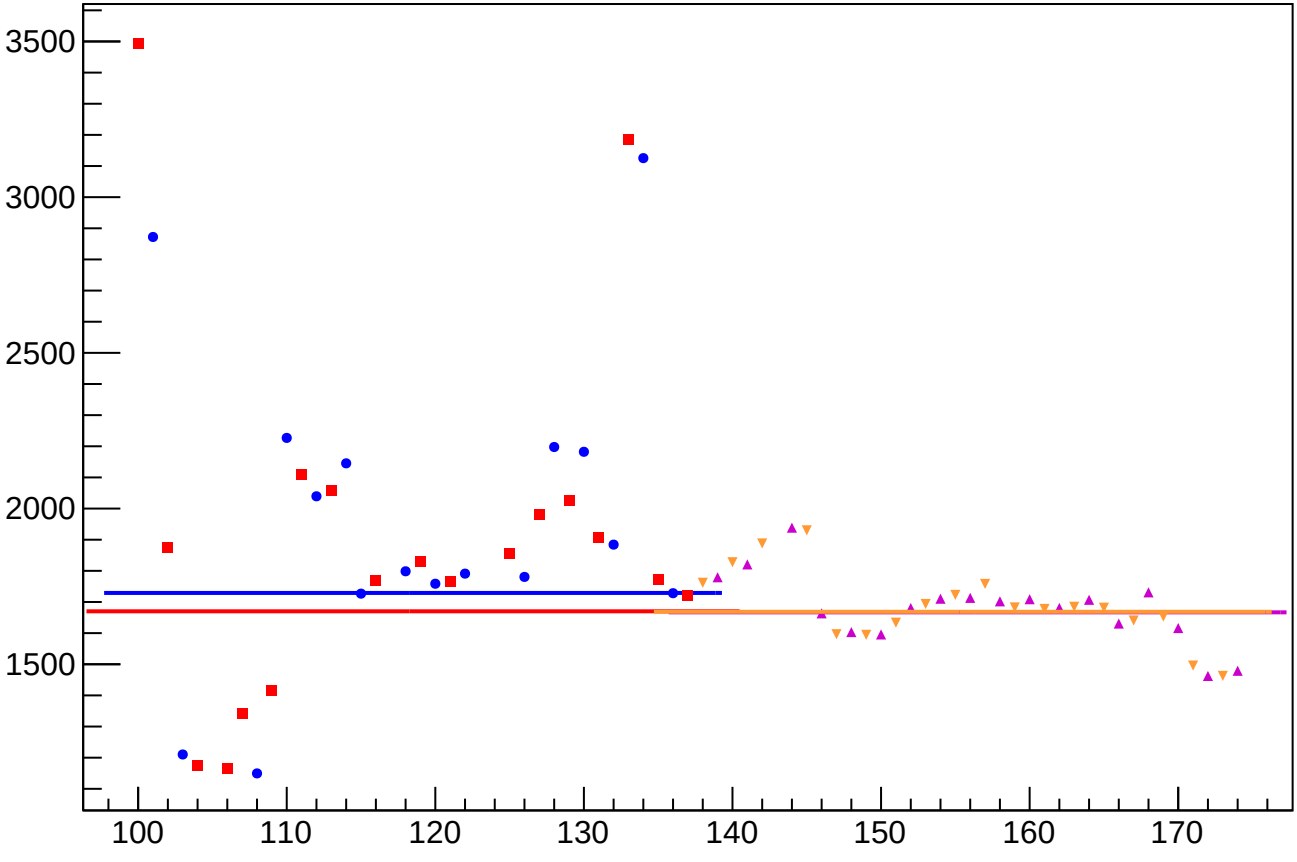
Left In: -271.284+/-433.036 χ^2/NDF:15.8/17

\+ sign -135.038+/-369.220 χ^2/NDF: 43.1/33

All: -273.008+/-257.792 χ^2/NDF: 76.5/69

\- 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: 1668.509+/-0.314 χ^2/NDF:126200.1/17

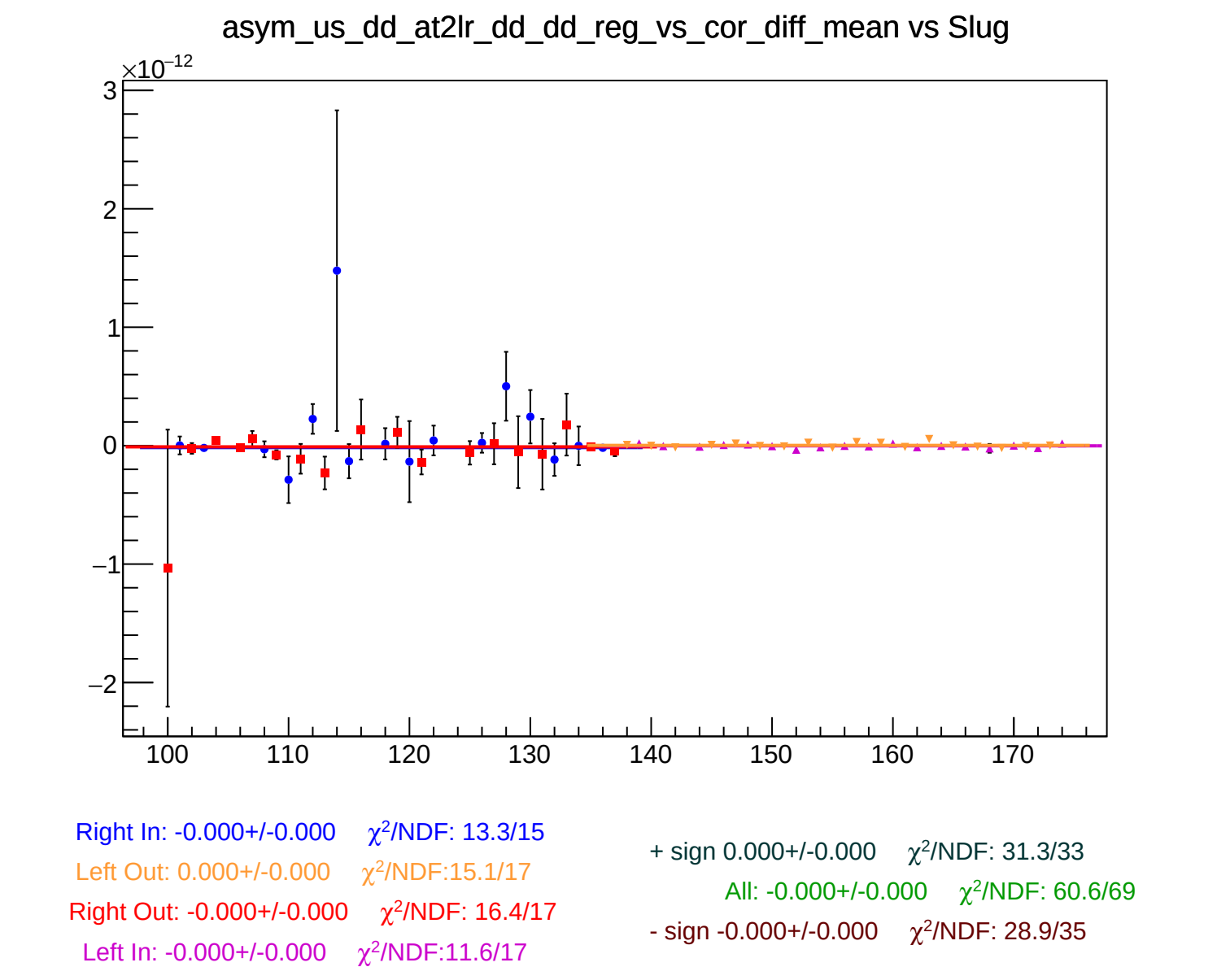
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

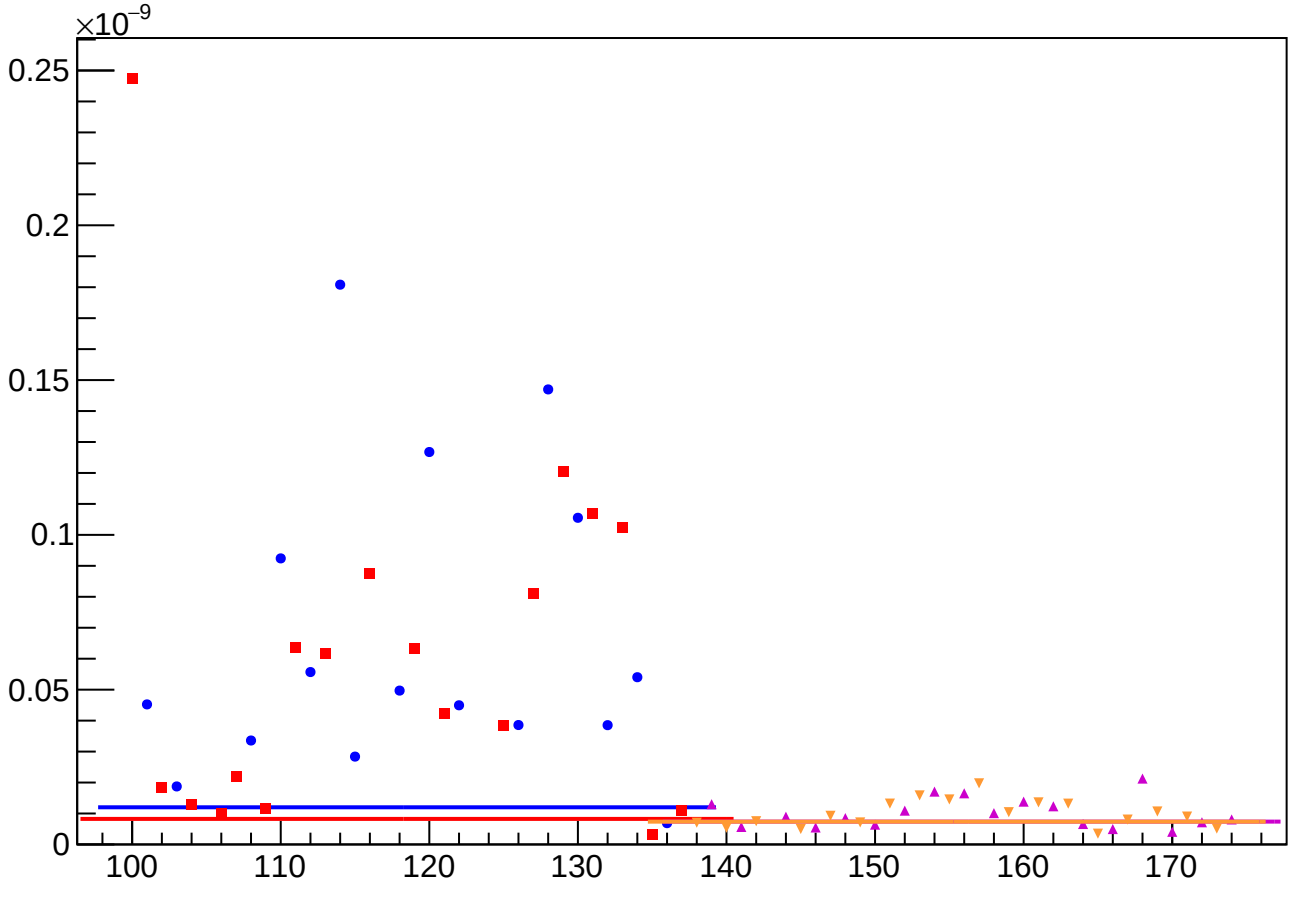
Left In: 1666.752+/-0.306 χ^2/NDF:129602.6/17

+ sign 1687.102+/-0.261 χ^2/NDF: 1079721.8/33

All: 1677.195+/-0.182 χ^2/NDF: 1956622.0/69

- sign 1667.772+/-0.255 χ^2/NDF: 874090.6/35


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:15.1/17
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: -0.000+/-0.000 χ²/NDF:11.6/17
+ sign 0.000+/-0.000 χ²/NDF: 31.3/33
All: -0.000+/-0.000 χ²/NDF: 60.6/69
- sign -0.000+/-0.000 χ²/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:1909116.6/17

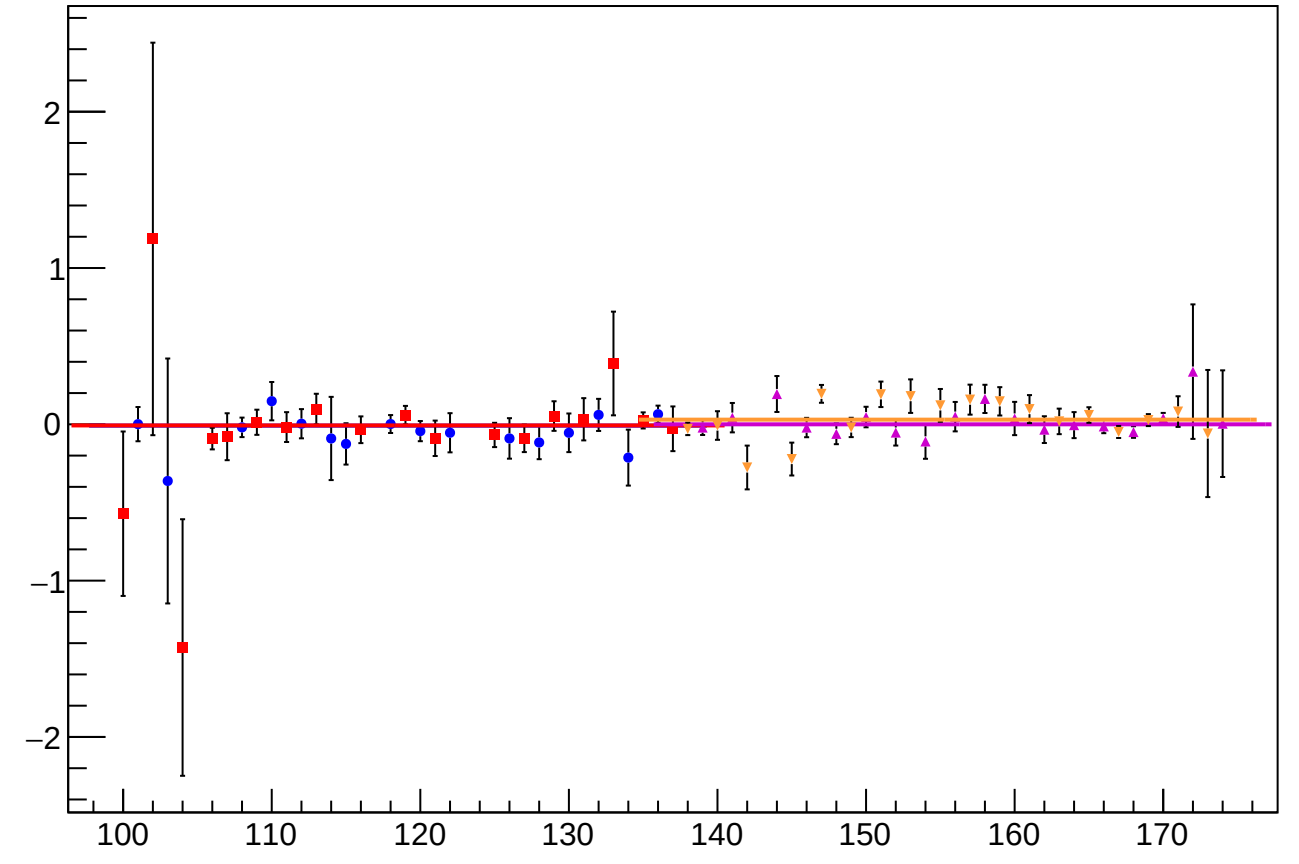
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1891527.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 5702889.4/33

All: 0.000+/-0.000 χ^2/NDF: 11133951.3/69

- 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+/-0.016 χ^2/NDF:37.5/17

Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

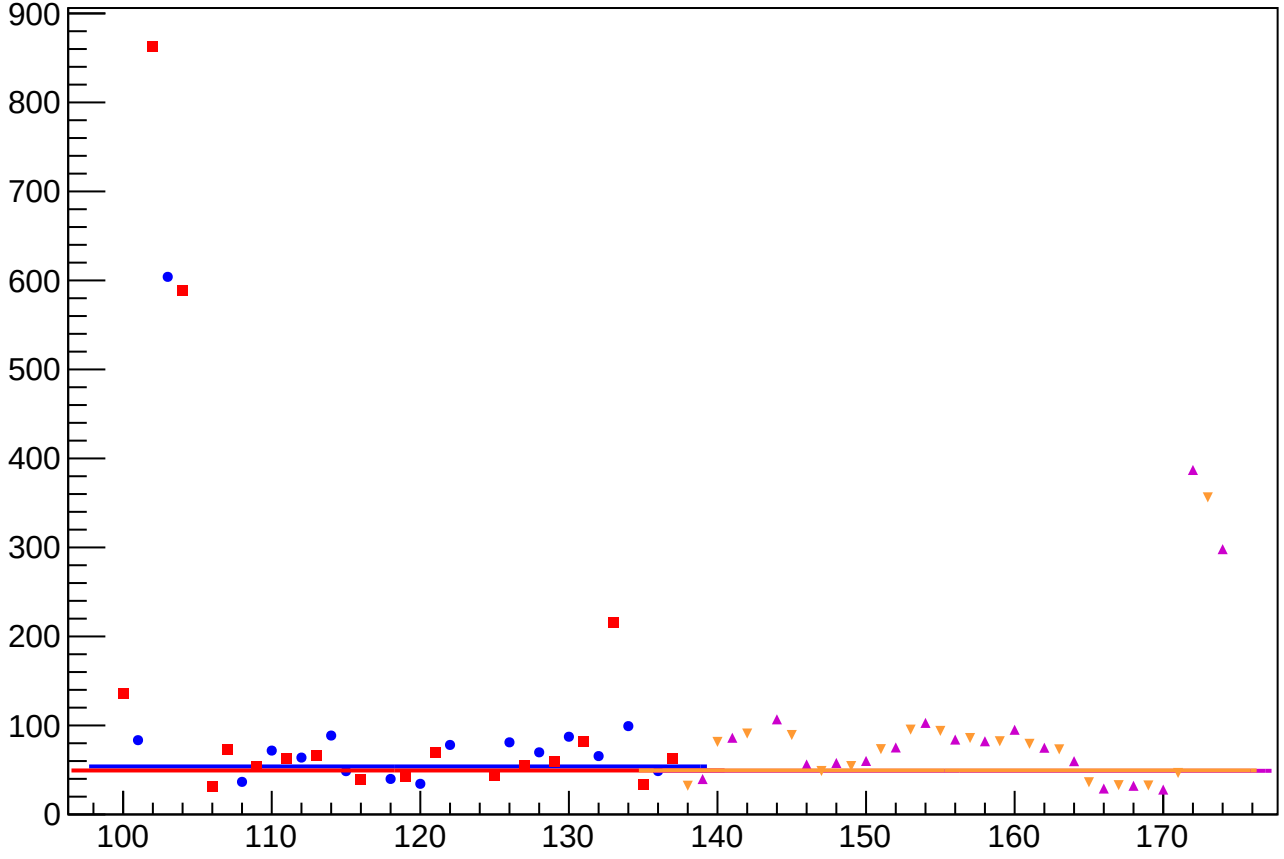
Left In: 0.000+/-0.015 χ^2/NDF:13.6/17

+ sign 0.018+/-0.013 χ^2/NDF: 47.7/33

All: 0.008+/-0.009 χ^2/NDF: 76.3/69

- 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: 49.492+/-0.011 χ^2/NDF:4968804.4/17

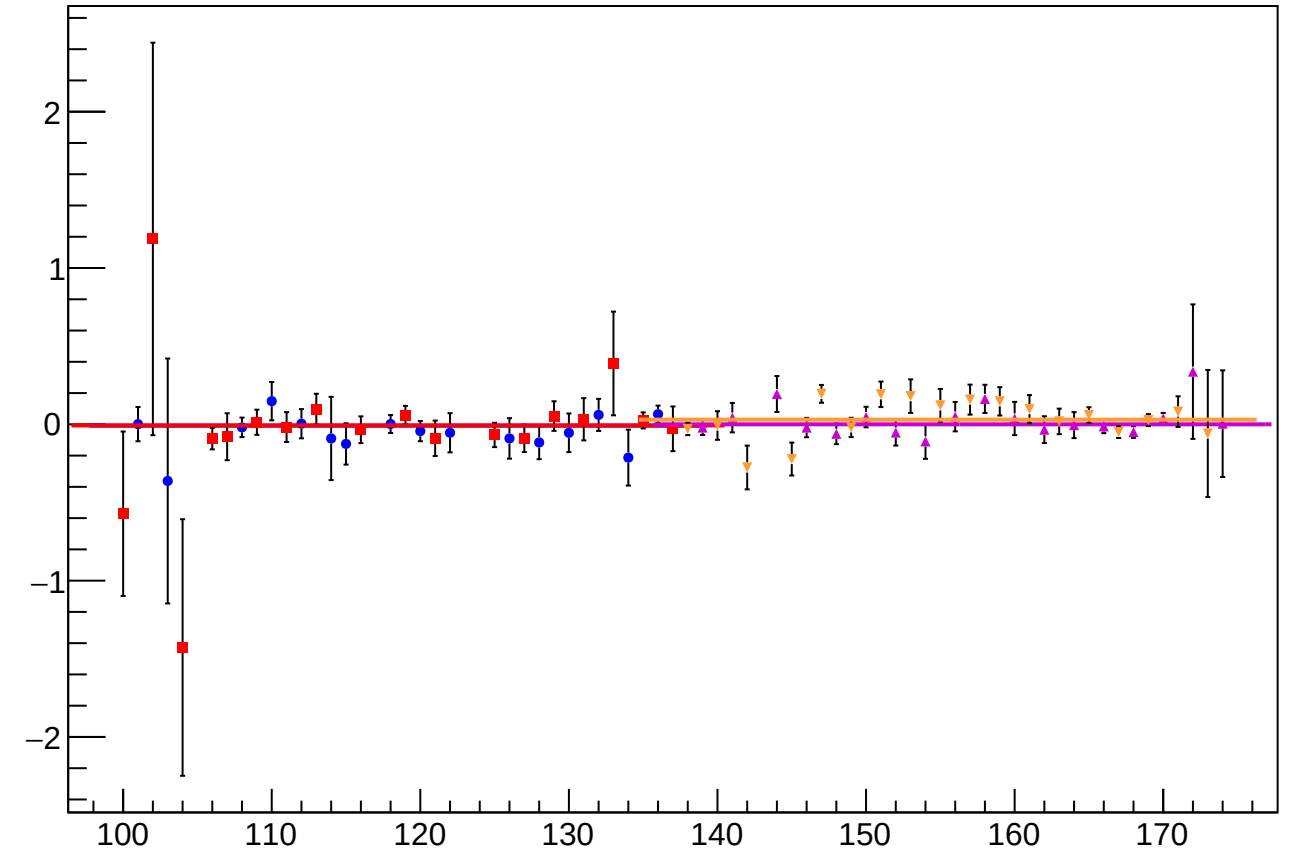
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.032+/-0.011 χ^2/NDF:6694441.3/17

\+ sign 50.868+/-0.009 χ^2/NDF: 7233928.1/33

All: 49.994+/-0.006 χ^2/NDF: 16964575.0/69

\- 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+/-0.016 χ^2/NDF:37.5/17

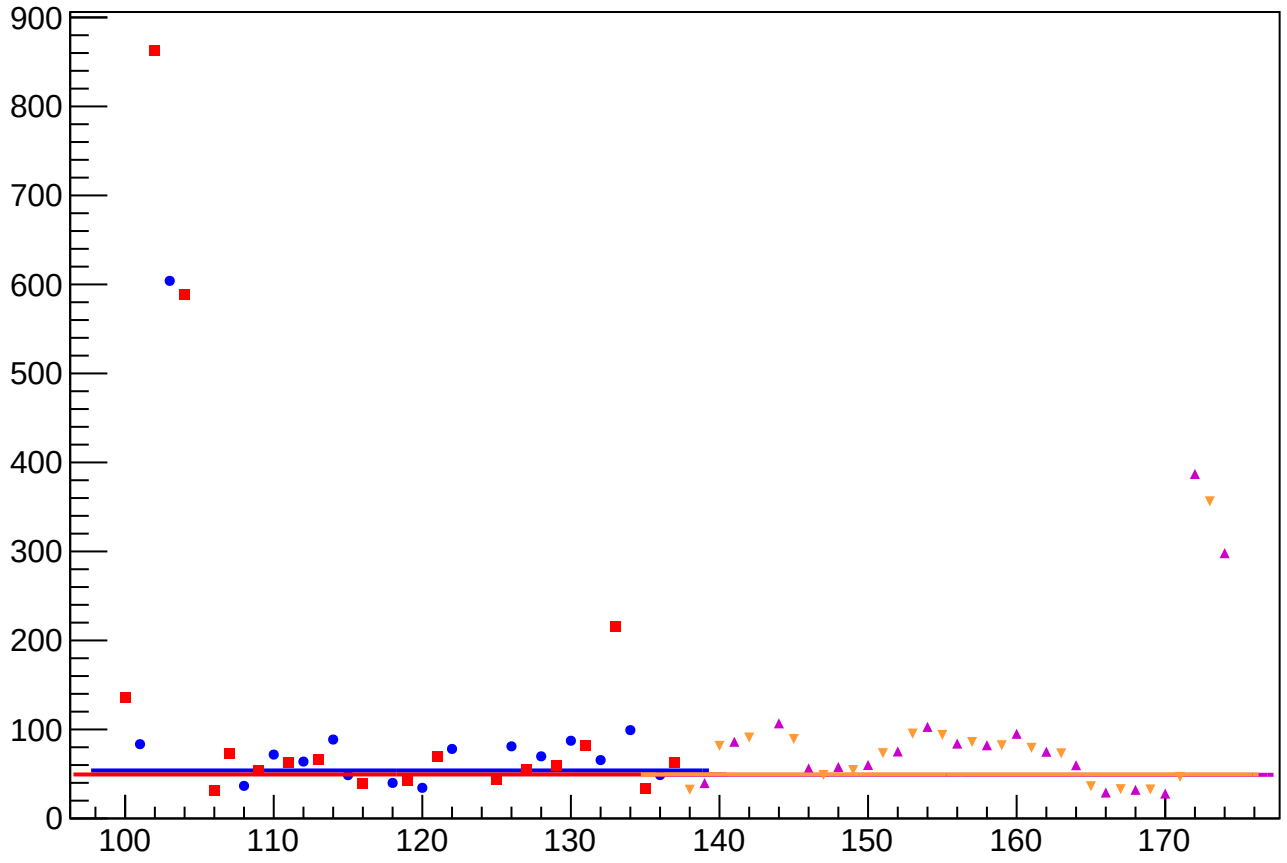
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.6/17

+ sign 0.018+/-0.013 χ^2/NDF: 47.7/33

All: 0.008+/-0.009 χ^2/NDF: 76.3/69

- 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: 49.492+/-0.011 χ^2/NDF:4968804.4/17

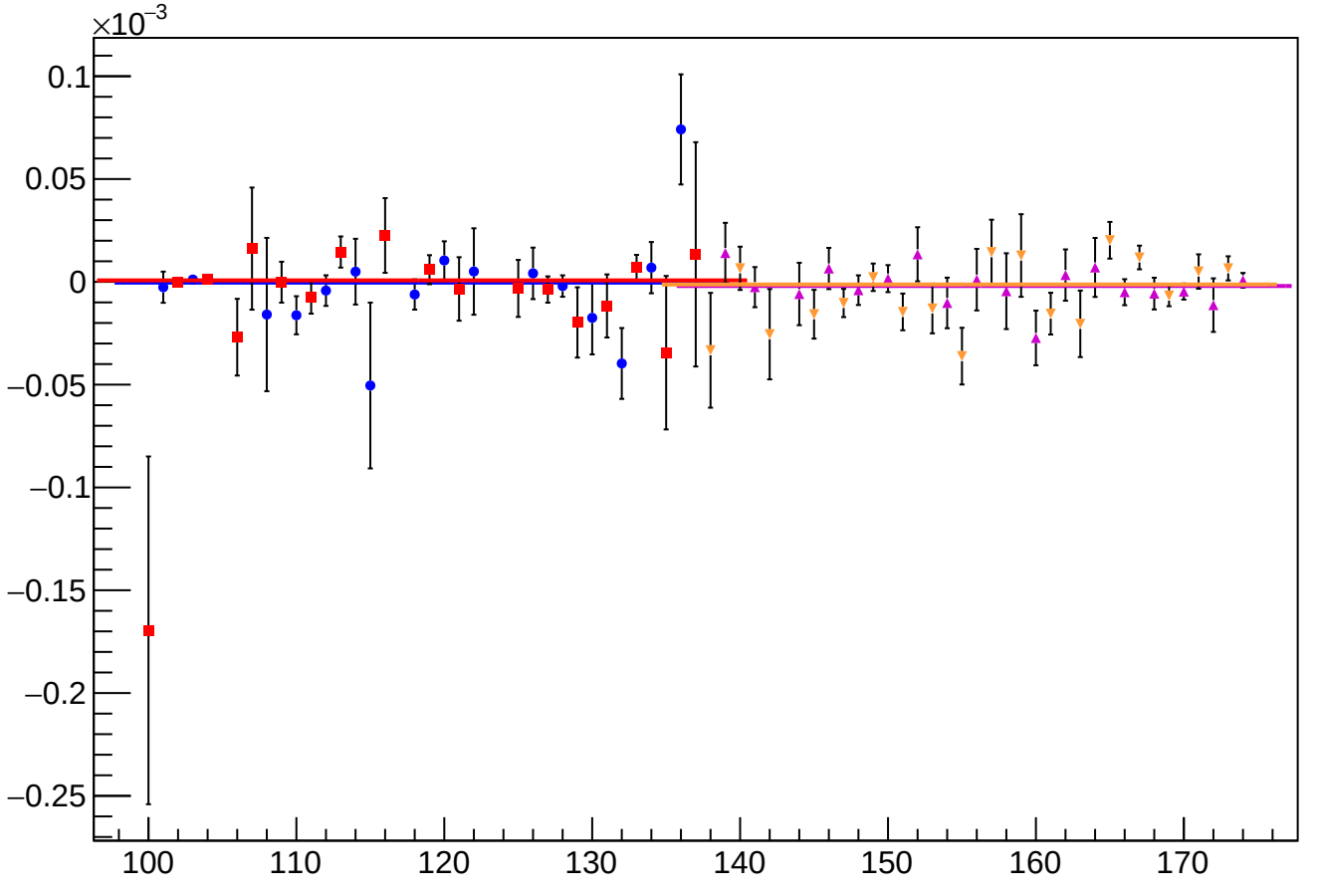
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.032+/-0.011 χ^2/NDF:6694441.3/17

+ sign 50.868+/-0.009 χ^2/NDF: 7233928.1/33

All: 49.994+/-0.006 χ^2/NDF: 16964575.0/69

- 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:35.4/17

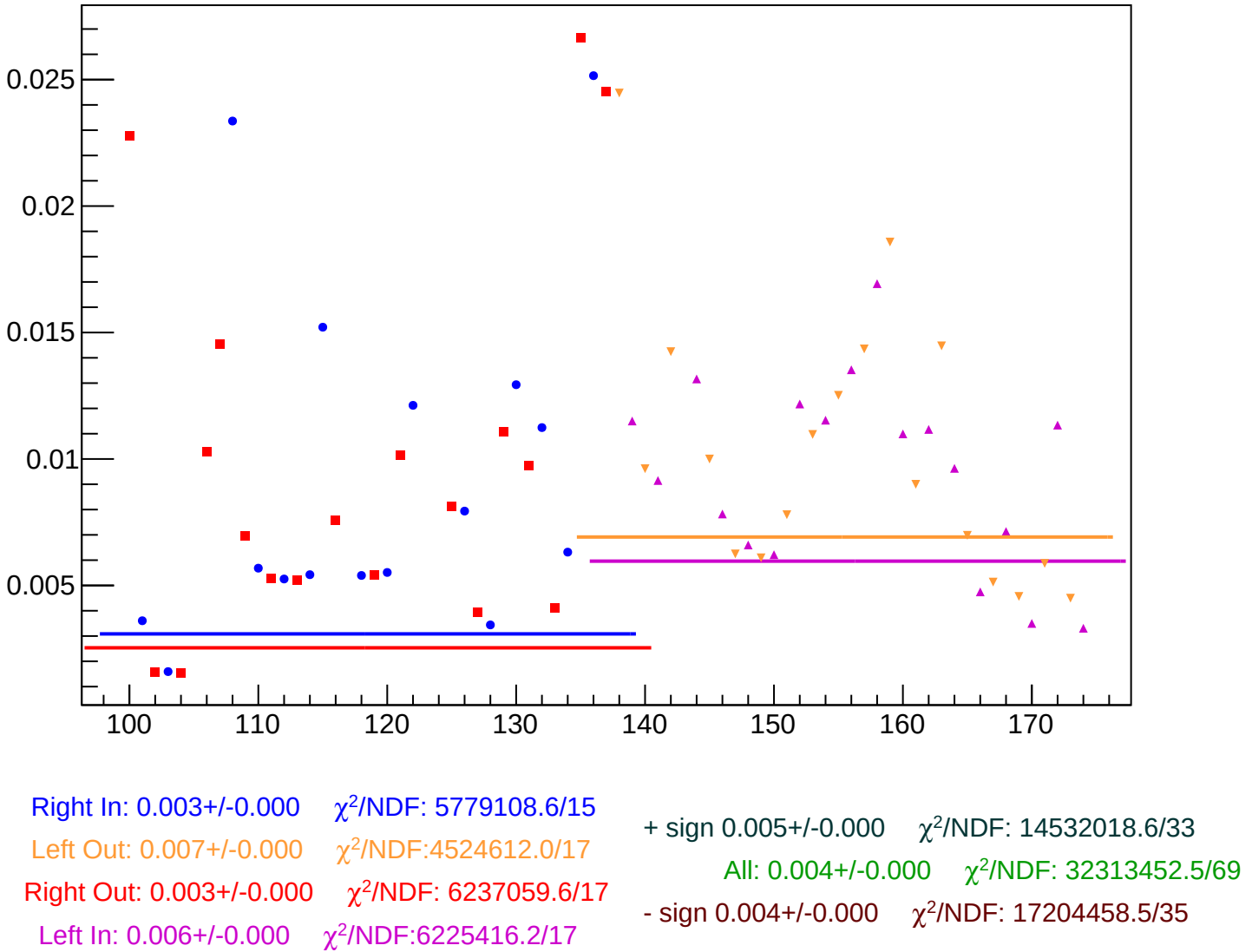
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:10.5/17

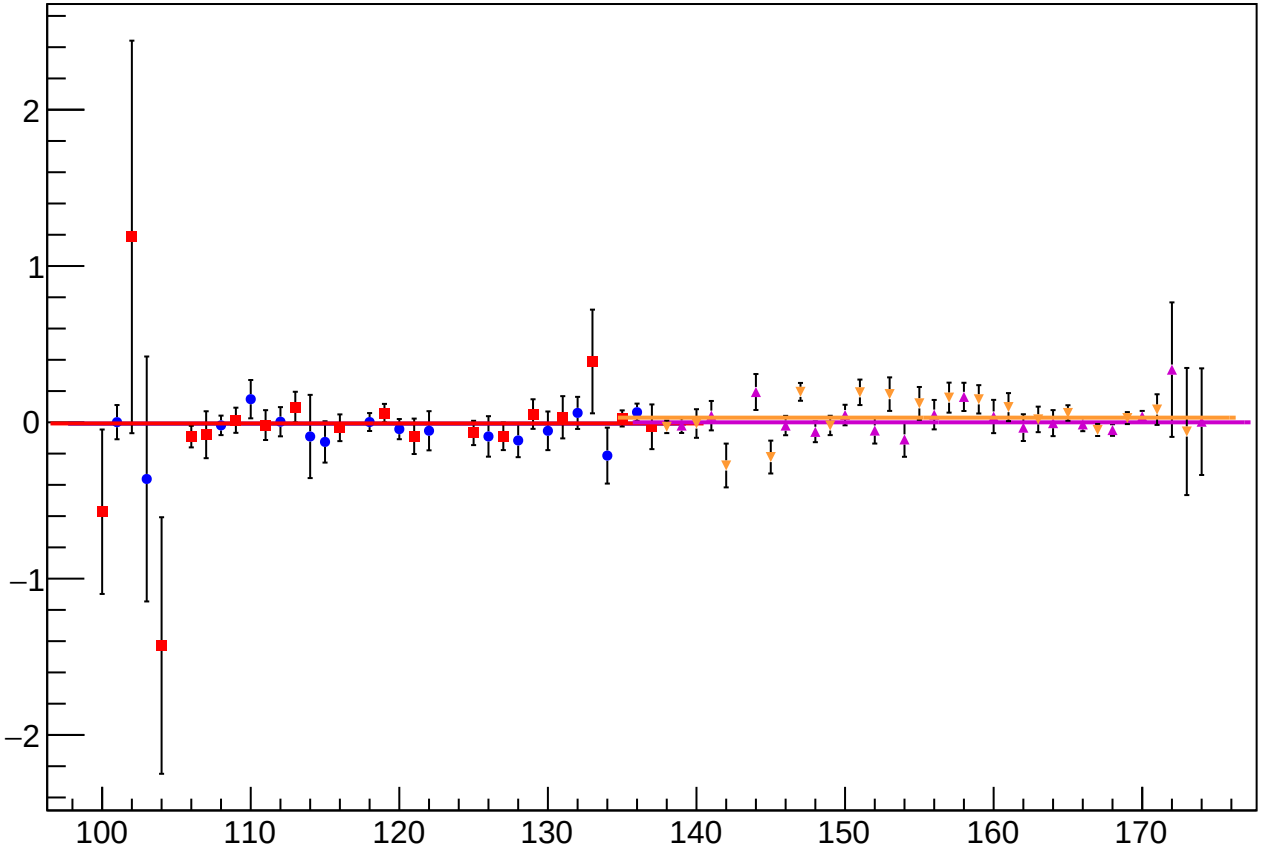
+ sign -0.000+/-0.000 χ^2/NDF: 57.7/33

All: -0.000+/-0.000 χ^2/NDF: 87.6/69

- sign -0.000+/-0.000 χ^2/NDF: 29.8/35


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 5779108.6/15
Left Out: 0.007+/-0.000 χ²/NDF:4524612.0/17
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.006+/-0.000 χ²/NDF:6225416.2/17
+ sign 0.005+/-0.000 χ²/NDF: 14532018.6/33
All: 0.004+/-0.000 χ²/NDF: 32313452.5/69
- sign 0.004+/-0.000 χ²/NDF: 17204458.5/35

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.016 χ^2/NDF:37.5/17

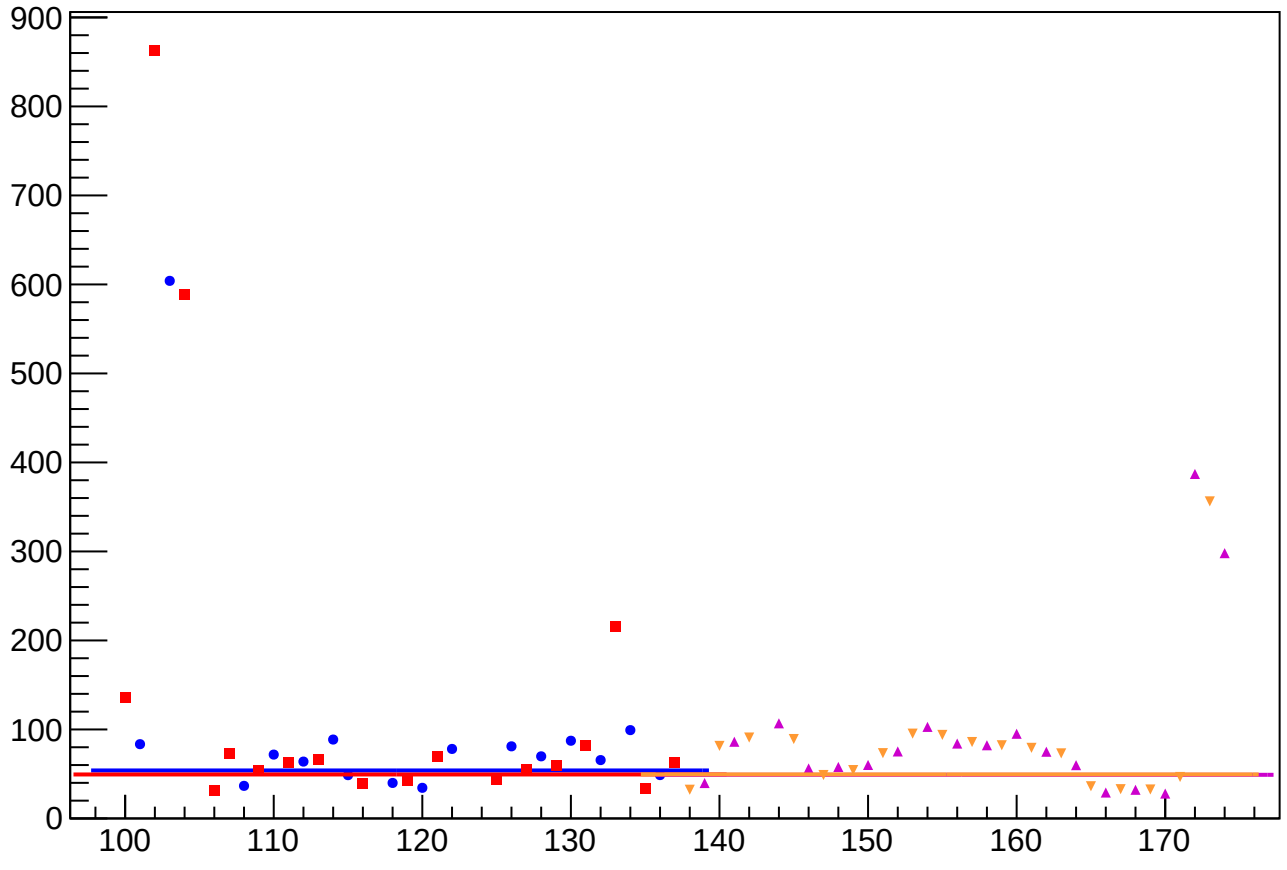
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.6/17

+ sign 0.018+/-0.013 χ^2/NDF: 47.7/33

All: 0.008+/-0.009 χ^2/NDF: 76.3/69

- 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: 49.495+/-0.011 χ^2/NDF:4968045.9/17

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

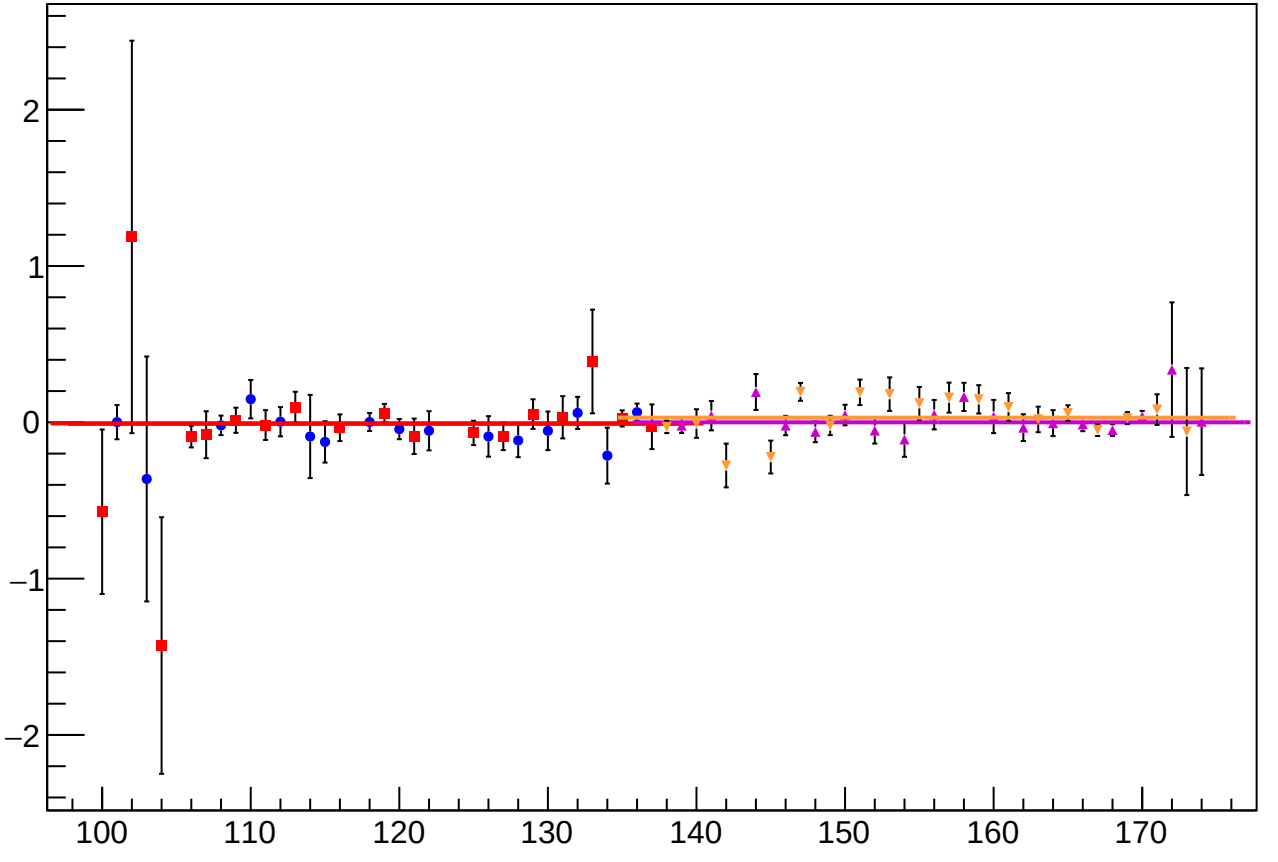
Left In: 49.032+/-0.011 χ^2/NDF:6694375.7/17

+ sign 50.871+/-0.009 χ^2/NDF: 7232790.1/33

All: 49.995+/-0.006 χ^2/NDF: 16963136.8/69

- 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+/-0.016 χ^2/NDF:37.5/17

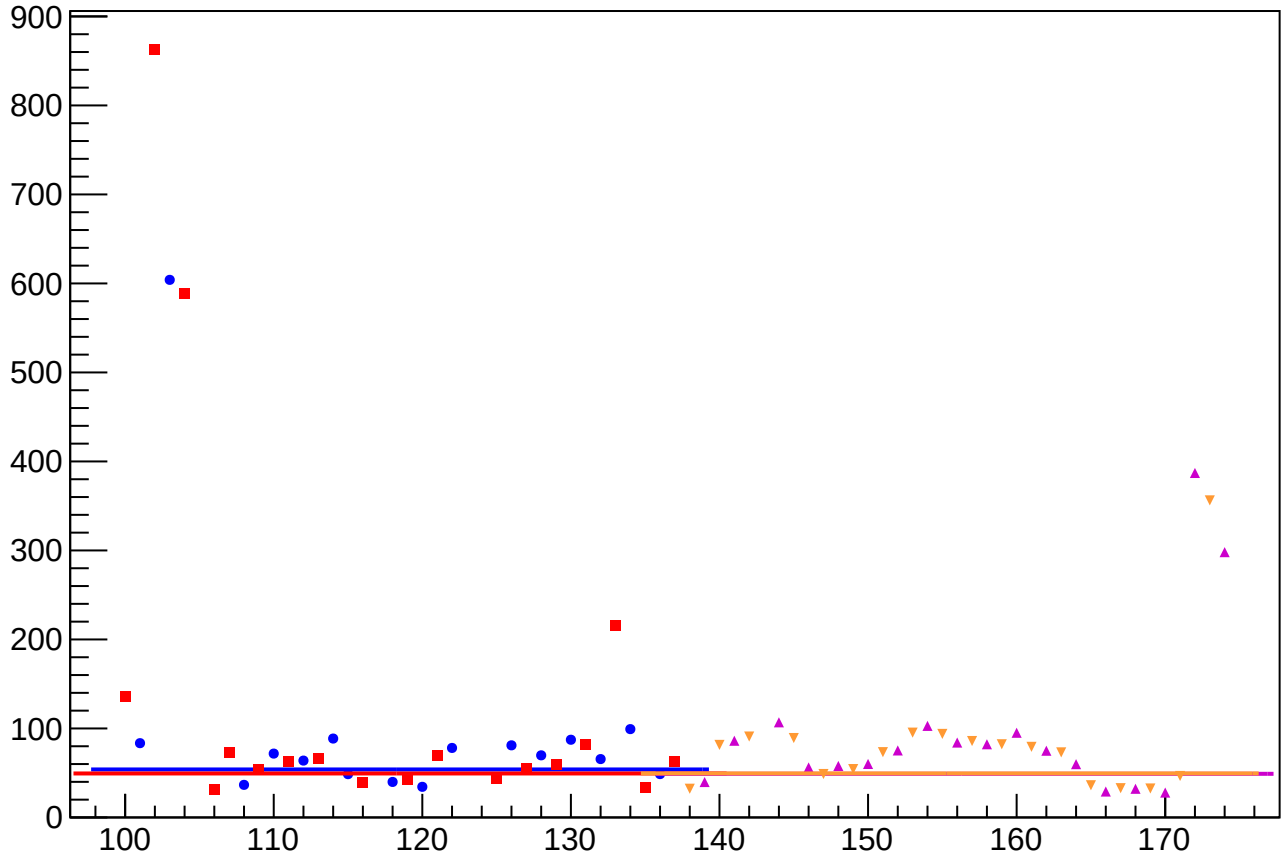
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.6/17

+ sign 0.018+/-0.013 χ^2/NDF: 47.7/33

All: 0.008+/-0.009 χ^2/NDF: 76.3/69

- 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: 49.495+/-0.011 χ^2/NDF:4968045.9/17

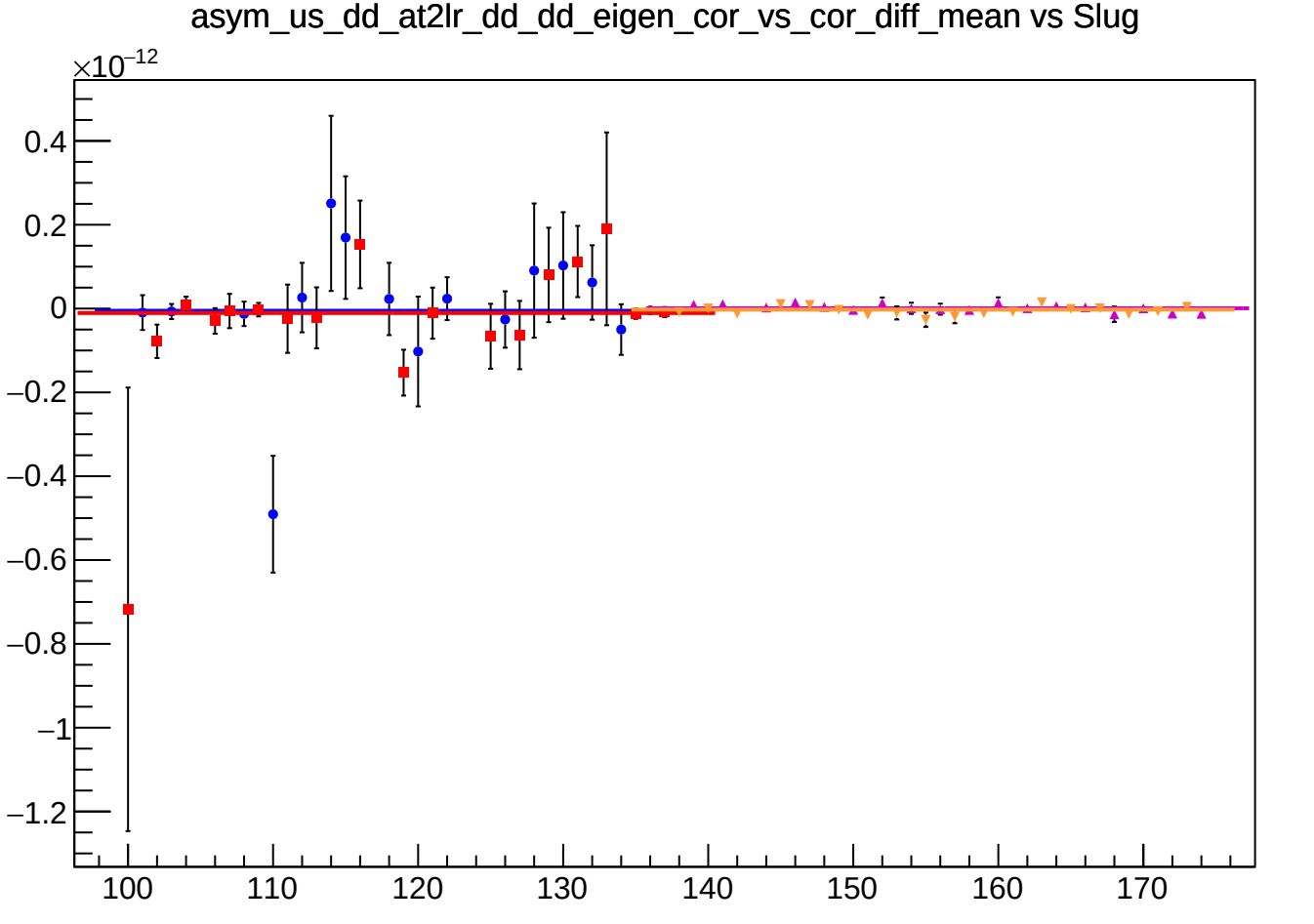
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

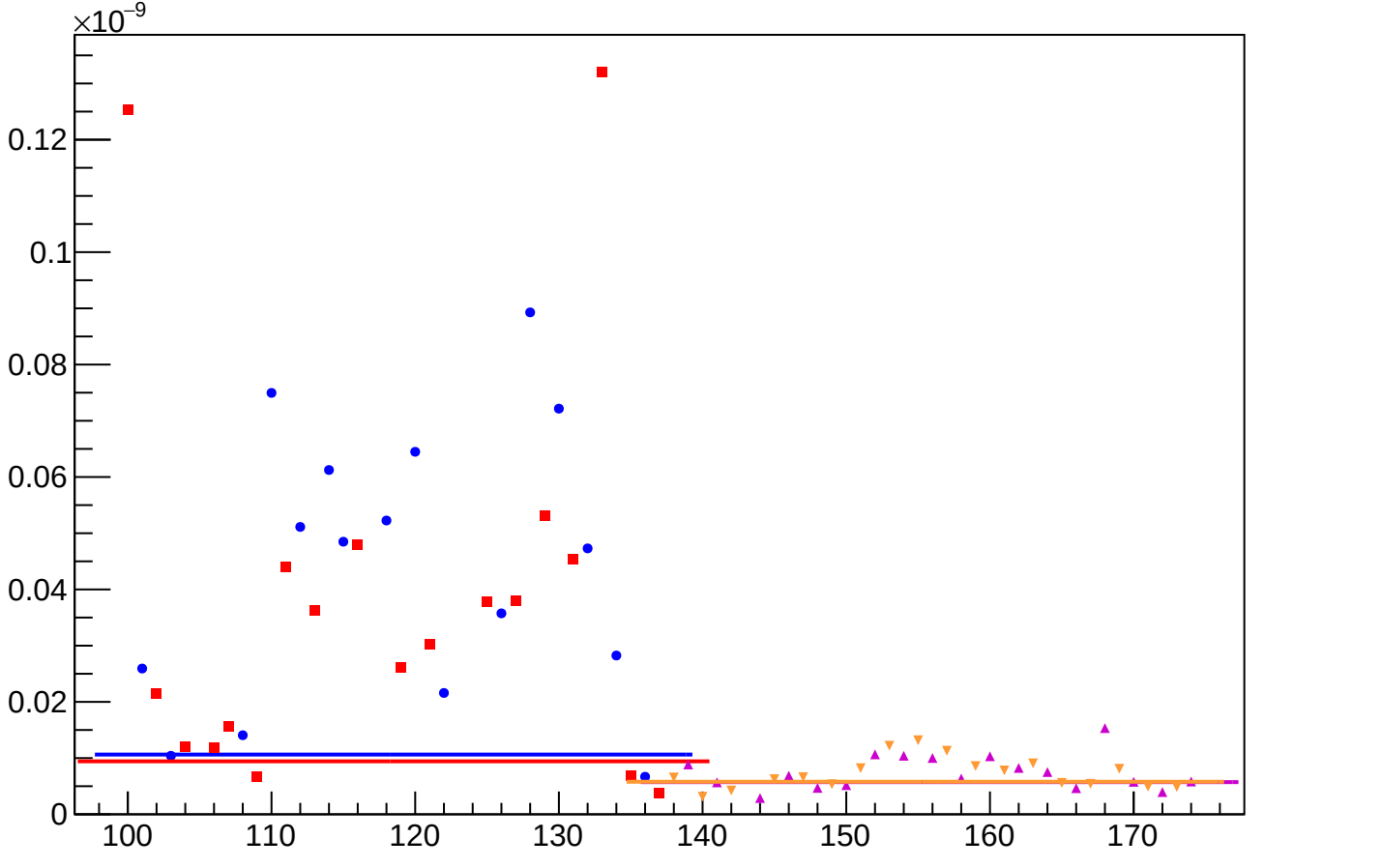
Left In: 49.032+/-0.011 χ^2/NDF:6694375.7/17

+ sign 50.871+/-0.009 χ^2/NDF: 7232790.1/33

All: 49.995+/-0.006 χ^2/NDF: 16963136.8/69

- sign 49.157+/-0.009 χ^2/NDF: 9712232.7/35


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:16.8/17
Right Out: -0.000+/-0.000 χ²/NDF: 20.1/17
Left In: 0.000+/-0.000 χ²/NDF:16.9/17
+ sign -0.000+/-0.000 χ²/NDF: 35.5/33
All: -0.000+/-0.000 χ²/NDF: 76.2/69
- sign -0.000+/-0.000 χ²/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:2386682.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

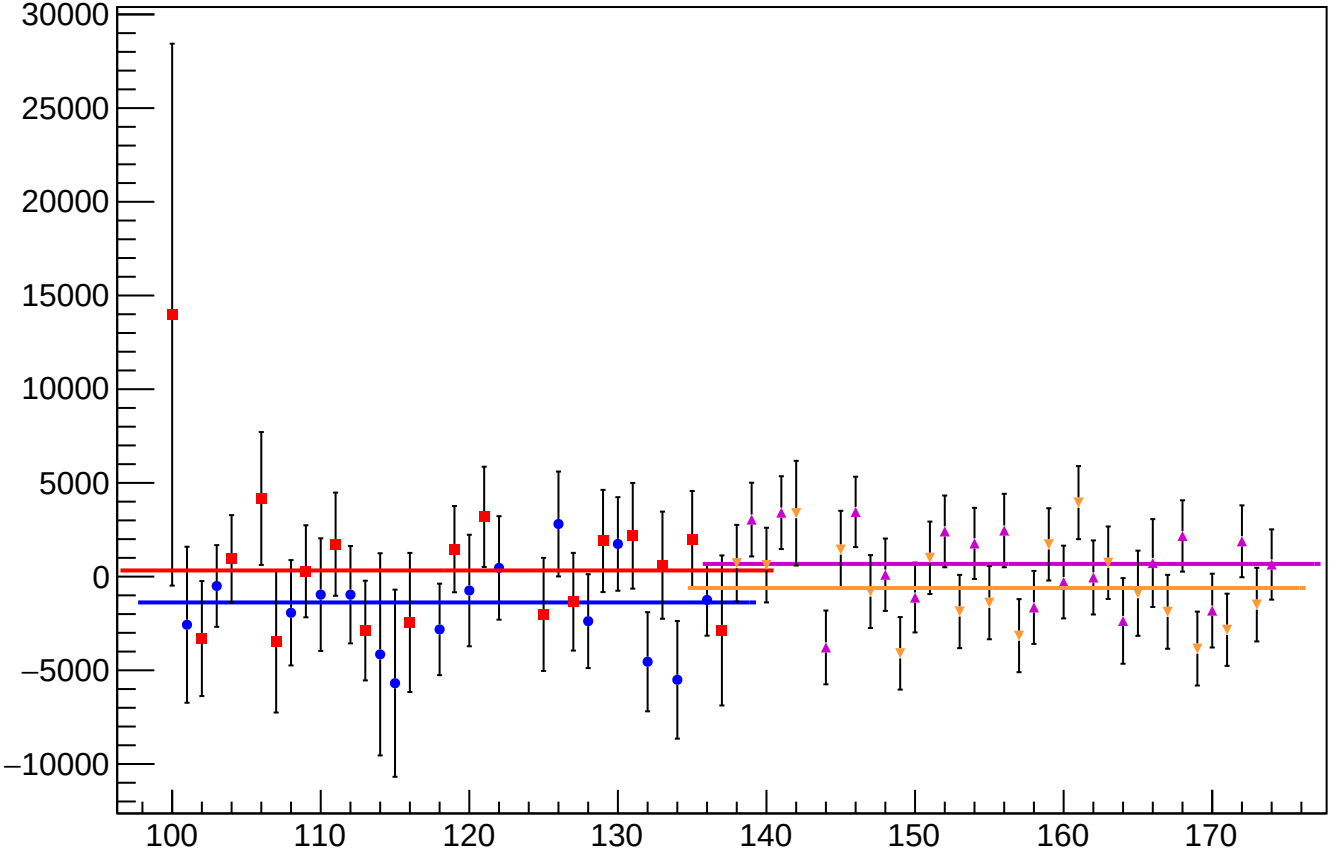
Left In: 0.000+/-0.000 χ^2/NDF:2857840.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 7865640.7/33

All: 0.000+/-0.000 χ^2/NDF: 15360726.1/69

- 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: -607.379+/-472.678 χ^2/NDF:22.1/17

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

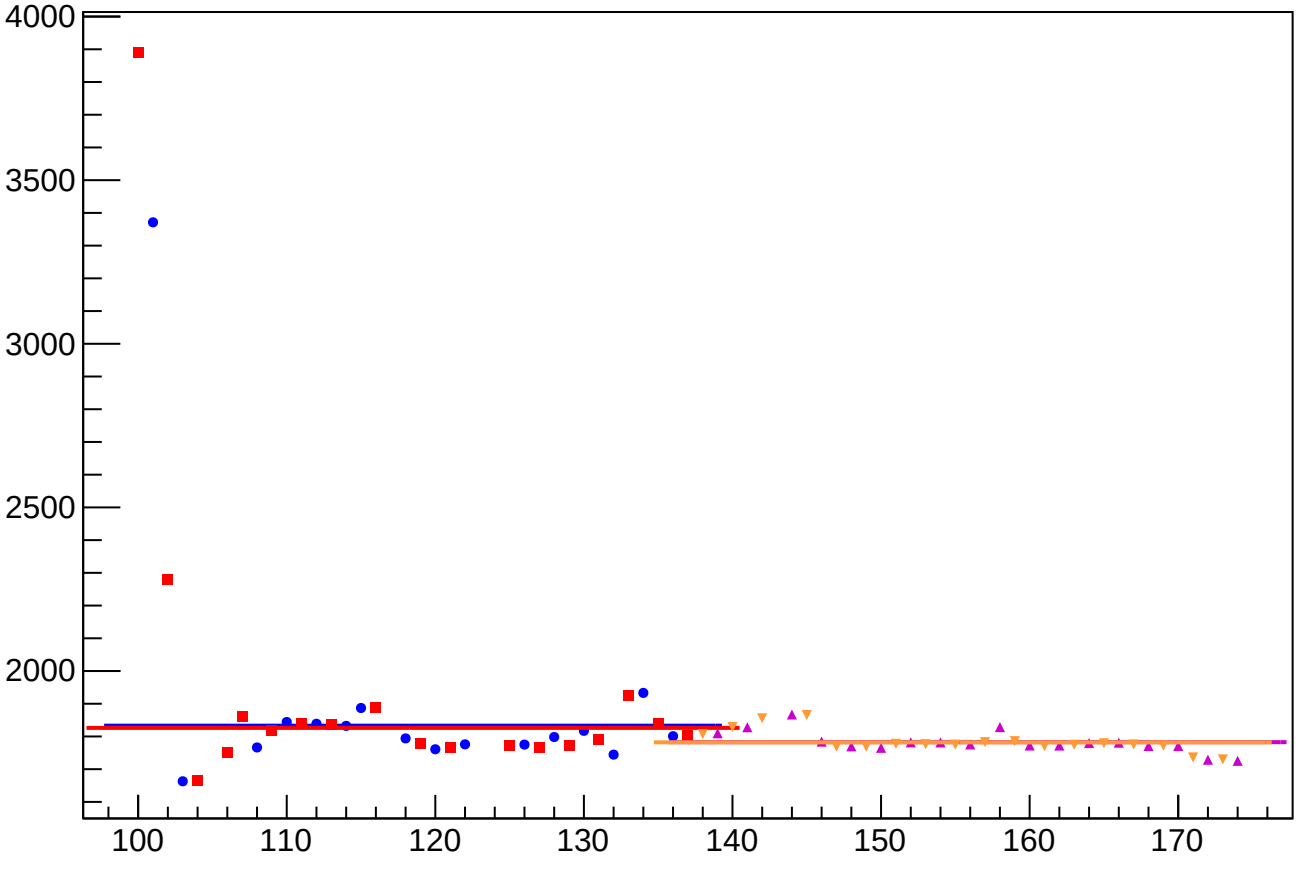
Left In: 677.495+/-462.156 χ^2/NDF:19.9/17

+ sign -854.226+/-389.778 χ^2/NDF: 32.3/33

All: -130.404+/-273.158 χ^2/NDF: 70.2/69

- 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: 1782.067+/-0.334 χ^2/NDF:9007.9/17

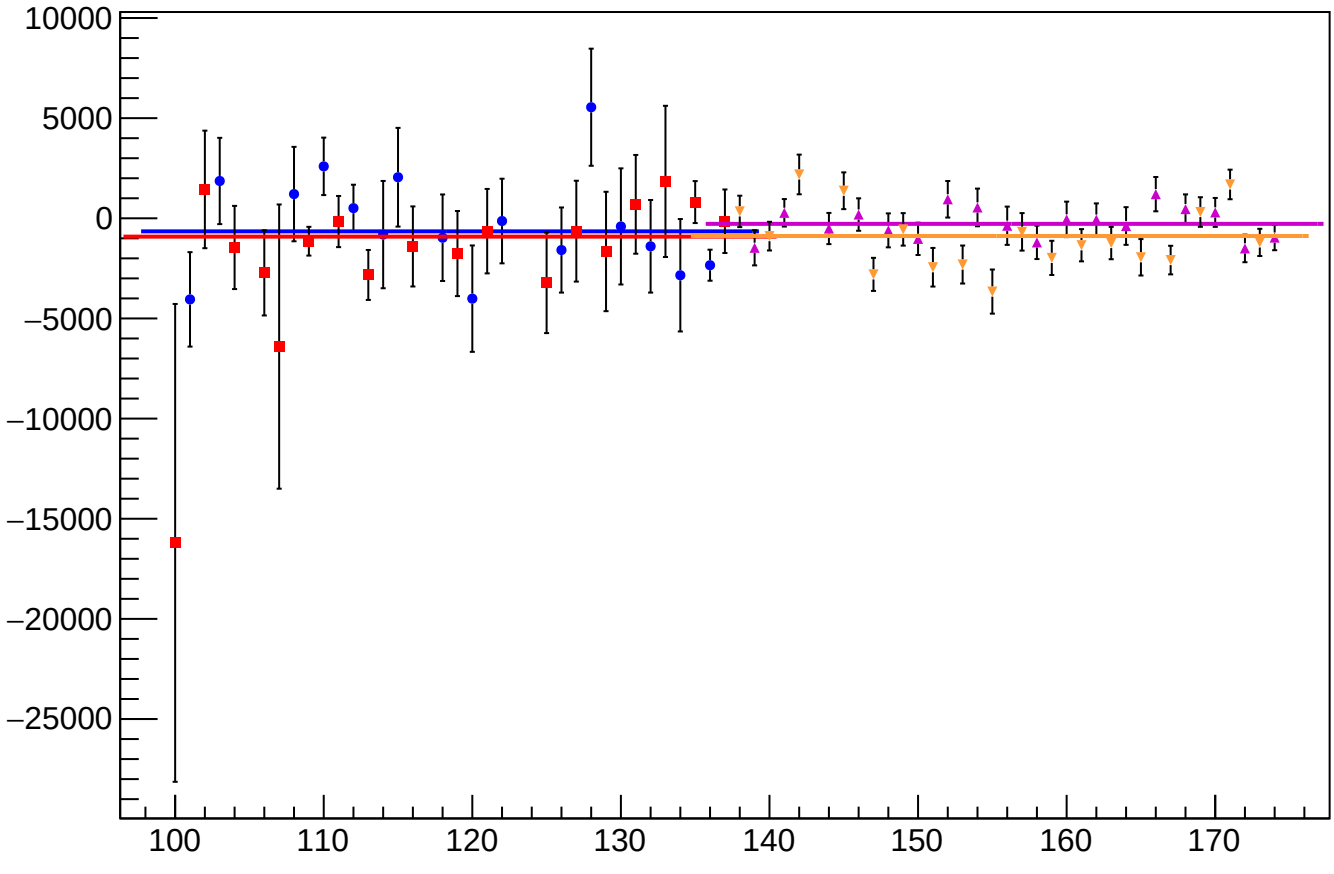
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1782.605+/-0.327 χ^2/NDF:10256.8/17

+ sign 1798.349+/-0.276 χ^2/NDF: 311862.9/33

All: 1797.294+/-0.193 χ^2/NDF: 430736.3/69

- 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: -883.806+/-194.688 χ^2/NDF:56.3/17

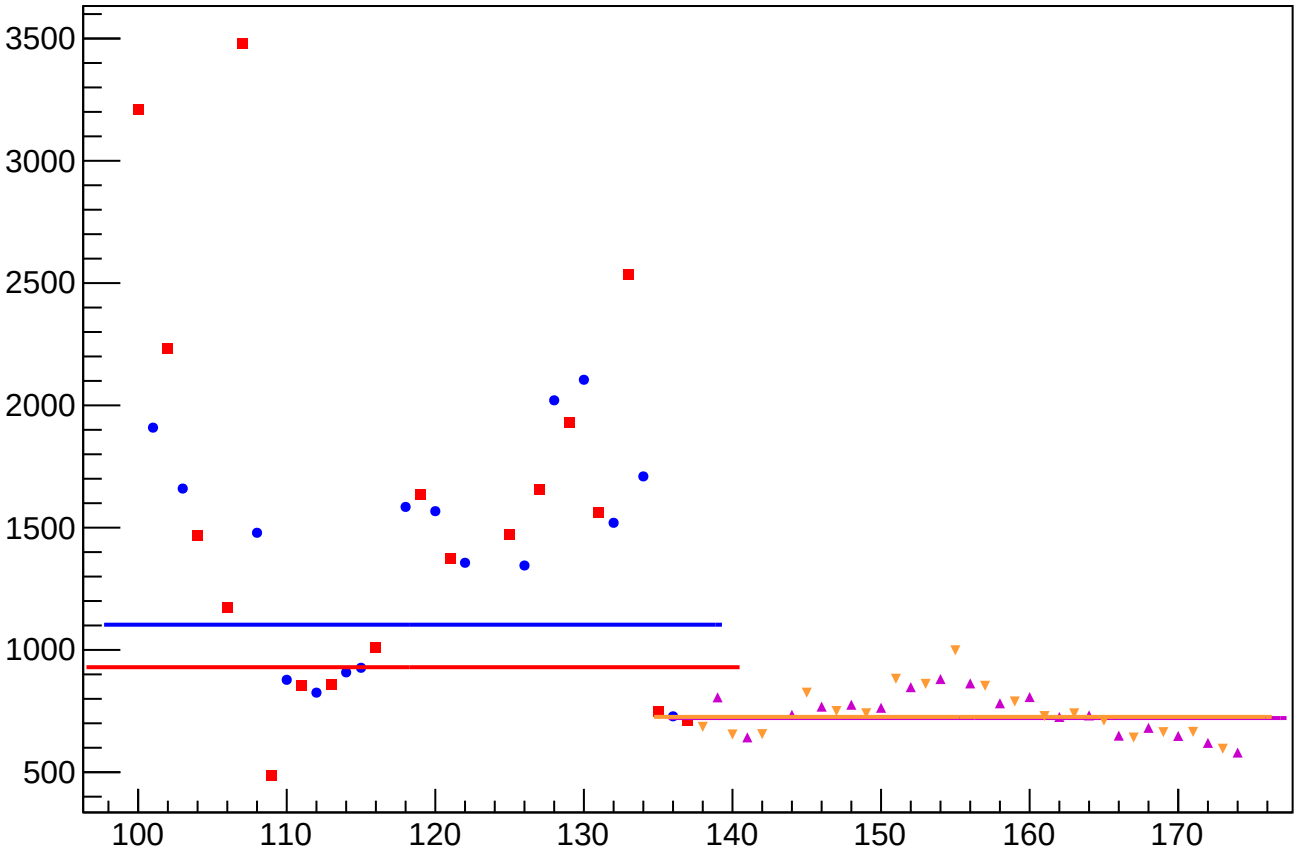
Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: -277.209+/-188.791 χ^2/NDF:16.8/17

\+ sign -846.150+/-178.179 χ^2/NDF: 79.8/33

All: -611.061+/-123.077 χ^2/NDF: 113.6/69

\- sign -396.533+/-170.208 χ^2/NDF: 30.5/35



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 726.251+/-0.138 χ^2/NDF:454931.7/17

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

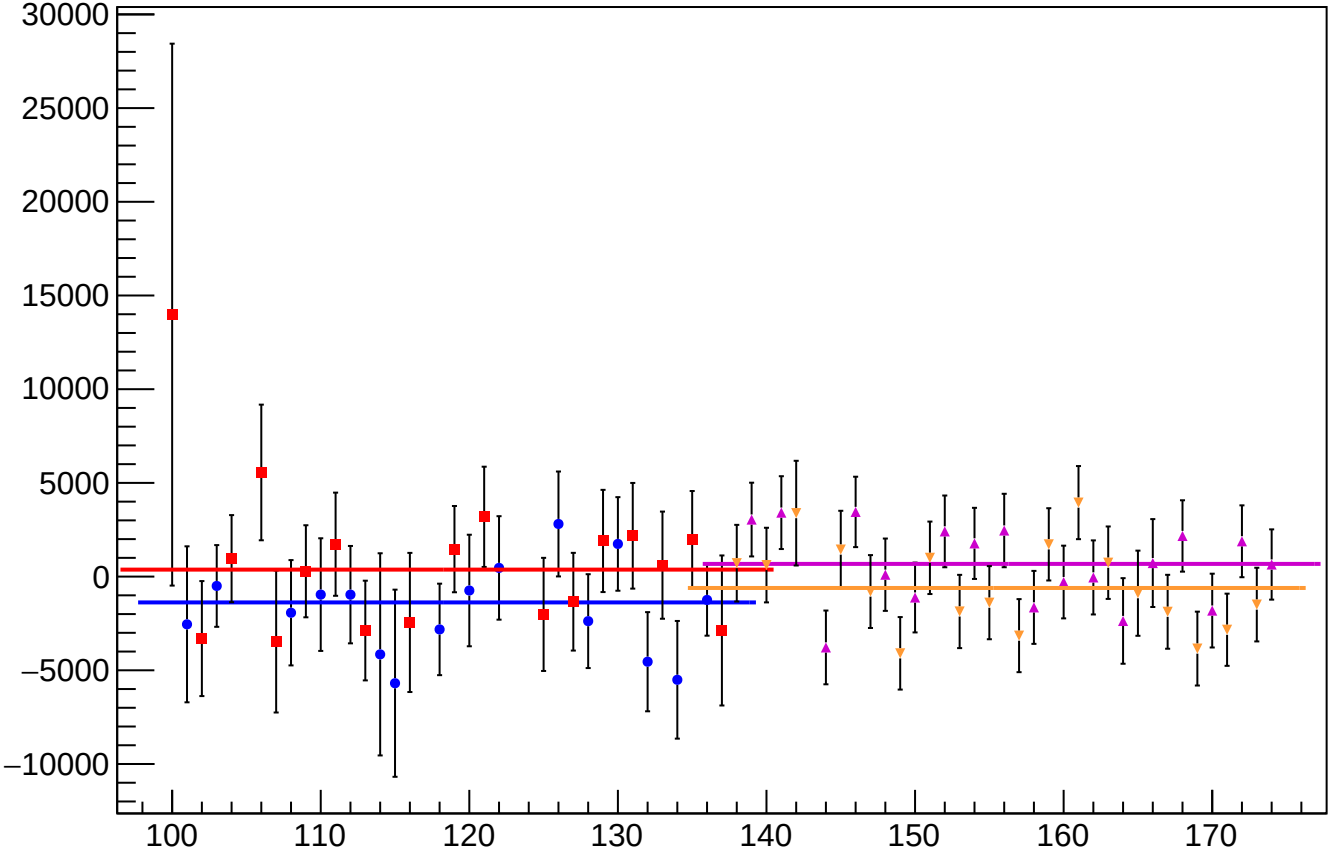
Left In: 721.454+/-0.133 χ^2/NDF:418835.6/17

+ sign 787.467+/-0.126 χ^2/NDF: 3550638.7/33

All: 773.298+/-0.087 χ^2/NDF: 7501731.0/69

- 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: -607.289+/-472.678 χ^2/NDF:22.1/17

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

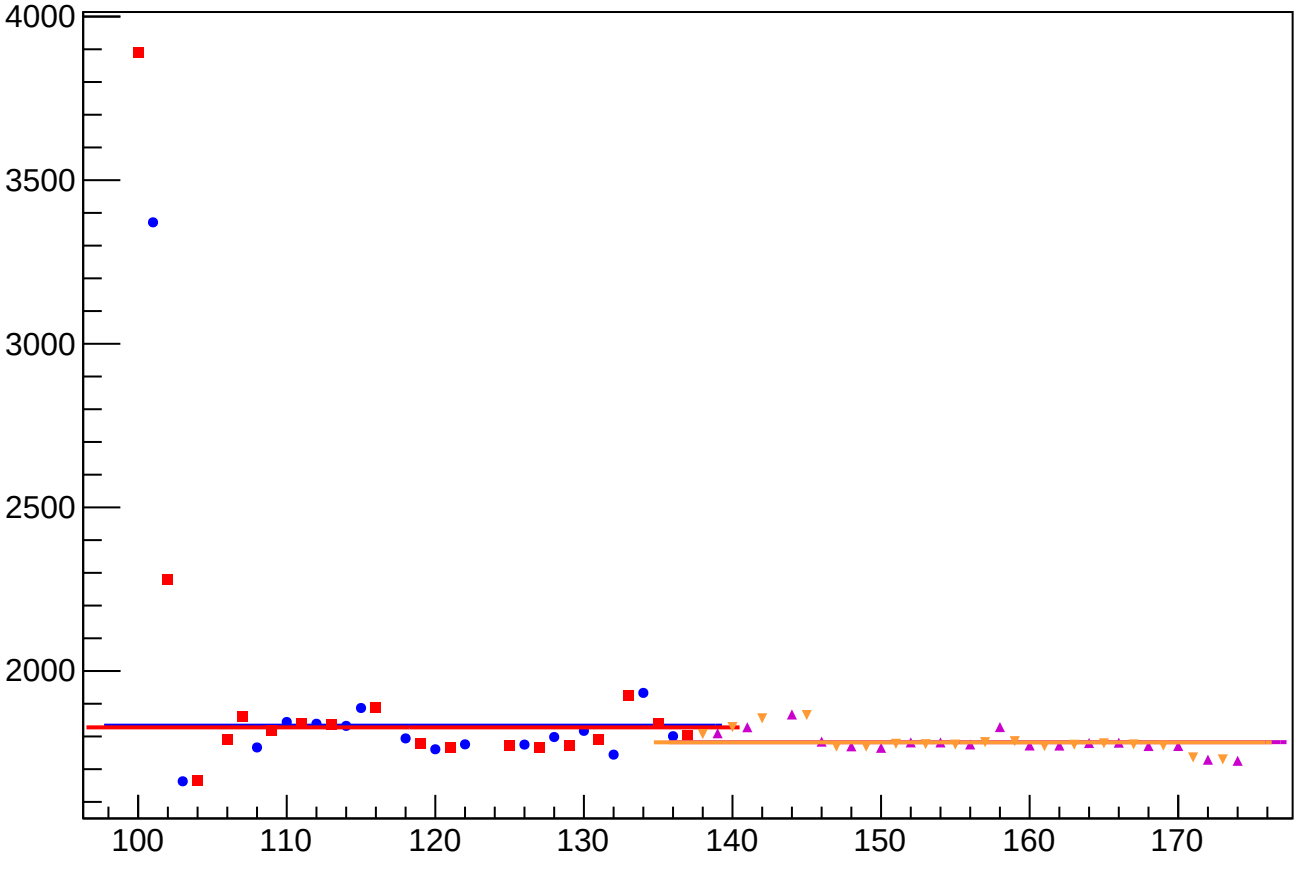
Left In: 677.397+/-462.156 χ^2/NDF:19.9/17

+ sign -853.965+/-389.778 χ^2/NDF: 32.3/33

All: -123.448+/-273.191 χ^2/NDF: 71.2/69

- 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: 1782.067+/-0.334 χ^2/NDF:9007.9/17

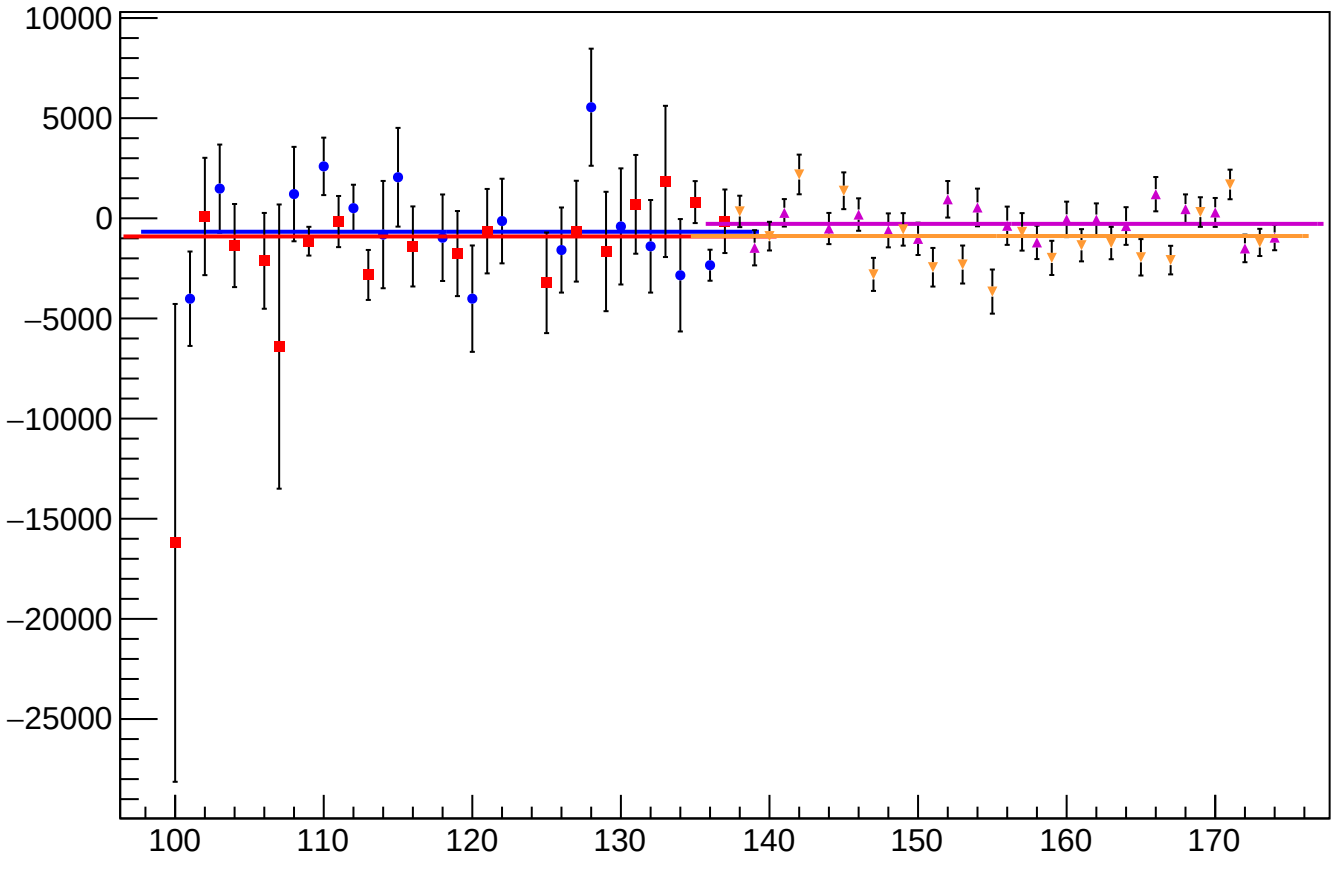
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1782.605+/-0.327 χ^2/NDF:10256.8/17

+ sign 1798.349+/-0.276 χ^2/NDF: 311864.7/33

All: 1797.538+/-0.193 χ^2/NDF: 430394.9/69

- 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: -883.825+/-194.689 χ^2/NDF:56.3/17

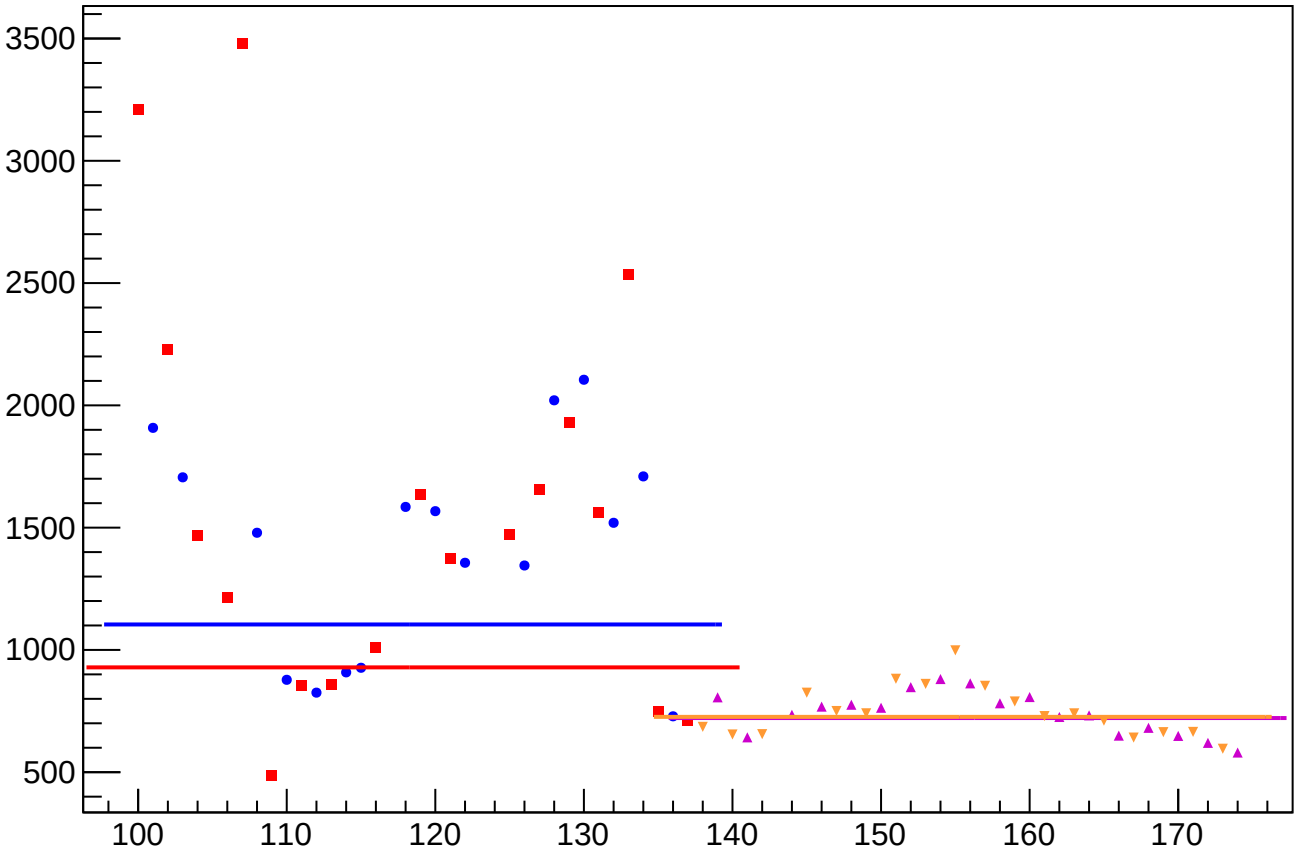
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -277.160+/-188.792 χ^2/NDF:16.8/17

\+ sign -849.234+/-178.204 χ^2/NDF: 79.3/33

All: -611.412+/-123.128 χ^2/NDF: 112.1/69

\- 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: 726.259+/-0.138 χ^2/NDF:454879.5/17

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

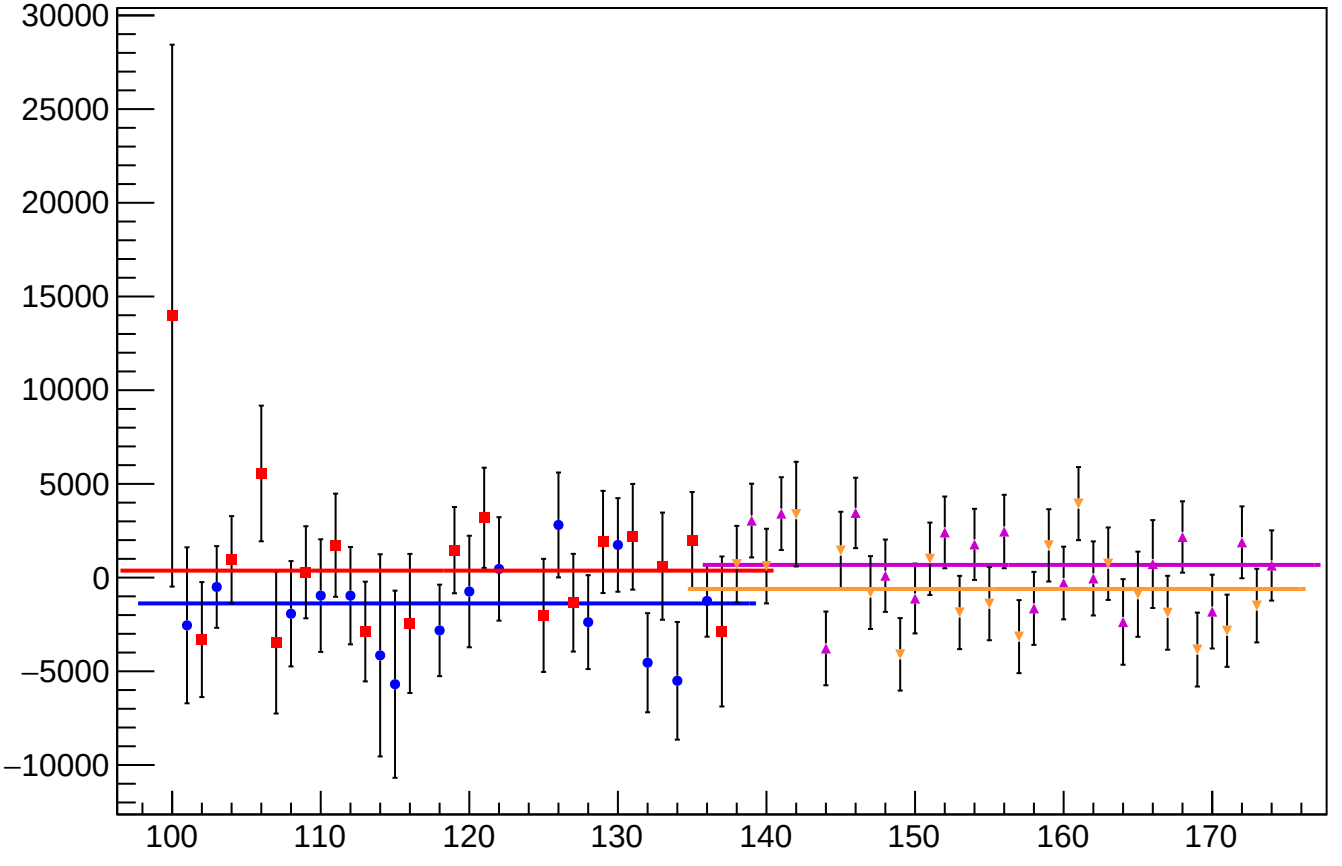
Left In: 721.458+/-0.133 χ^2/NDF:418864.9/17

+ sign 787.538+/-0.126 χ^2/NDF: 3571072.3/33

All: 773.153+/-0.087 χ^2/NDF: 7517456.4/69

- 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: -607.289+/-472.678 χ^2/NDF:22.1/17

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

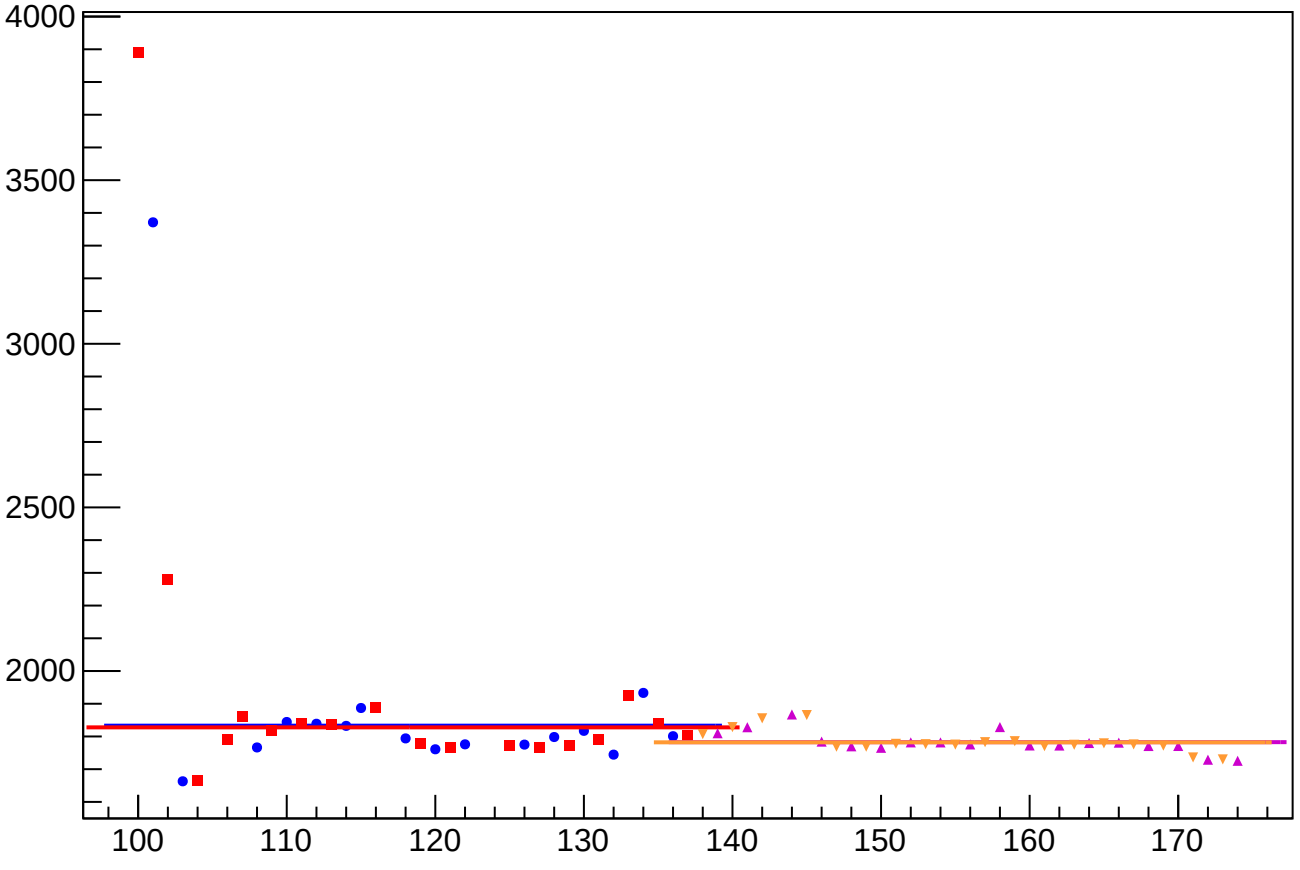
Left In: 677.397+/-462.156 χ^2/NDF:19.9/17

+ sign -853.965+/-389.778 χ^2/NDF: 32.3/33

All: -123.448+/-273.191 χ^2/NDF: 71.2/69

- 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: 1782.067+/-0.334 χ^2/NDF:9007.9/17

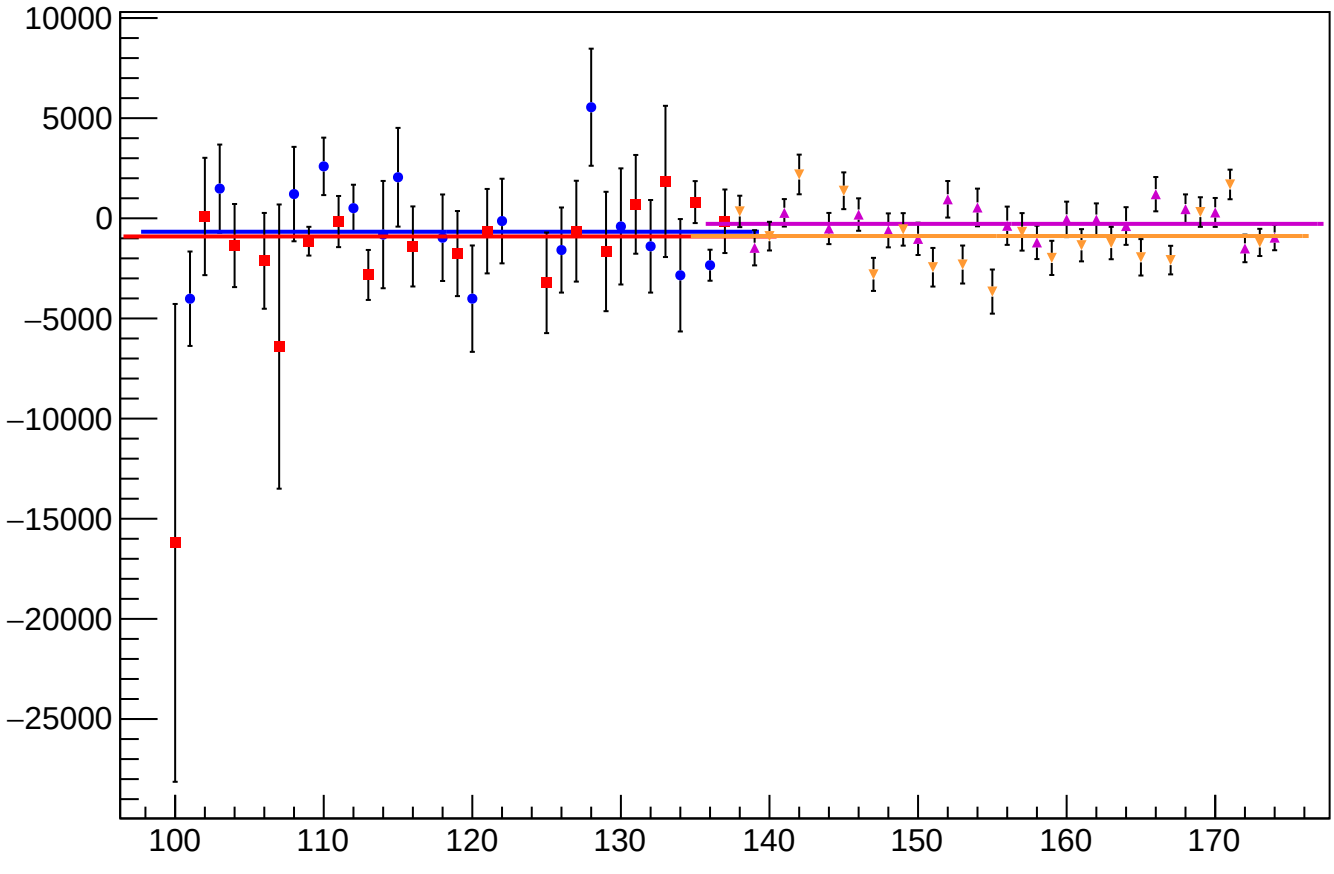
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1782.605+/-0.327 χ^2/NDF:10256.8/17

\+ sign 1798.349+/-0.276 χ^2/NDF: 311864.7/33

All: 1797.538+/-0.193 χ^2/NDF: 430394.9/69

\- 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: -883.825+/-194.689 χ^2/NDF:56.3/17

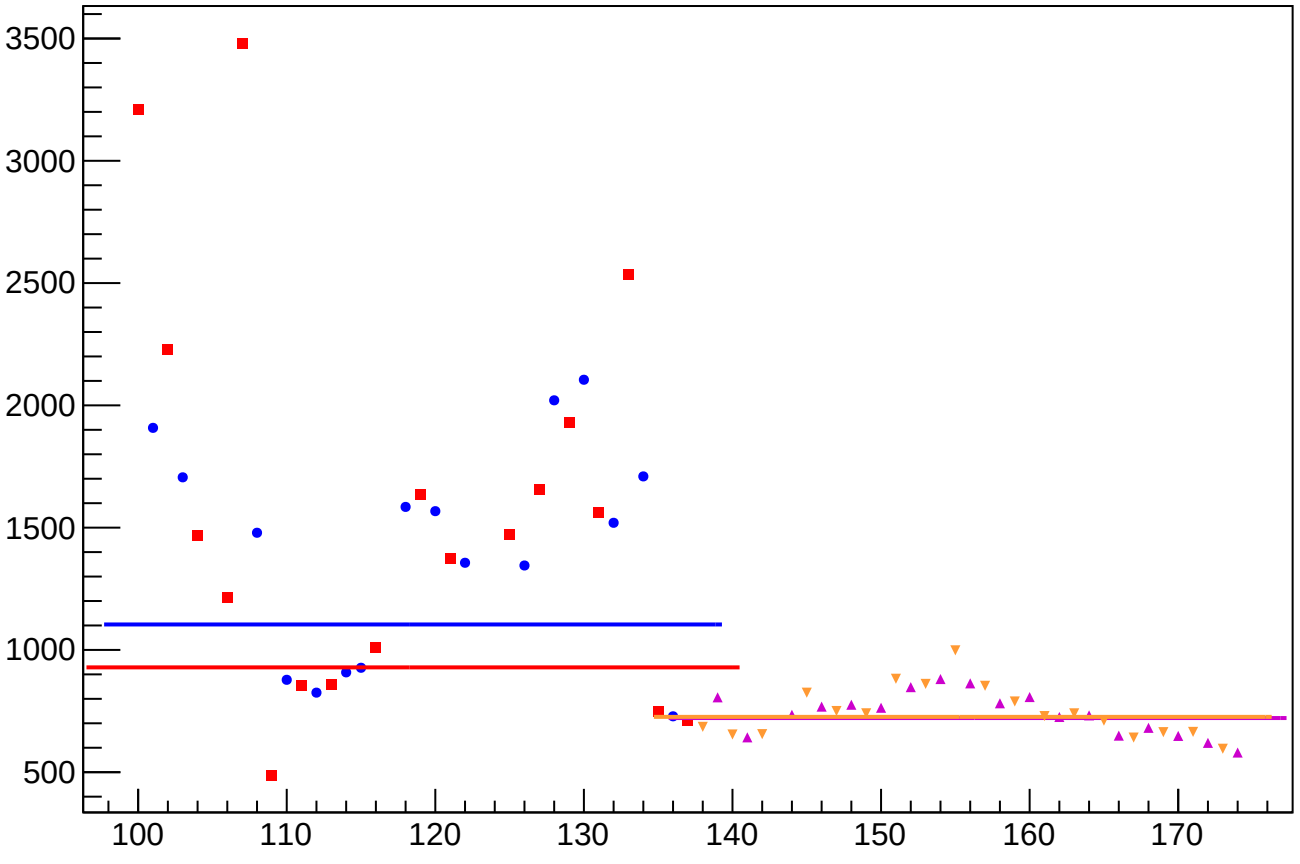
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -277.160+/-188.792 χ^2/NDF:16.8/17

\+ sign -849.234+/-178.204 χ^2/NDF: 79.3/33

All: -611.412+/-123.128 χ^2/NDF: 112.1/69

\- 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: 726.259+/-0.138 χ^2/NDF:454879.5/17

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

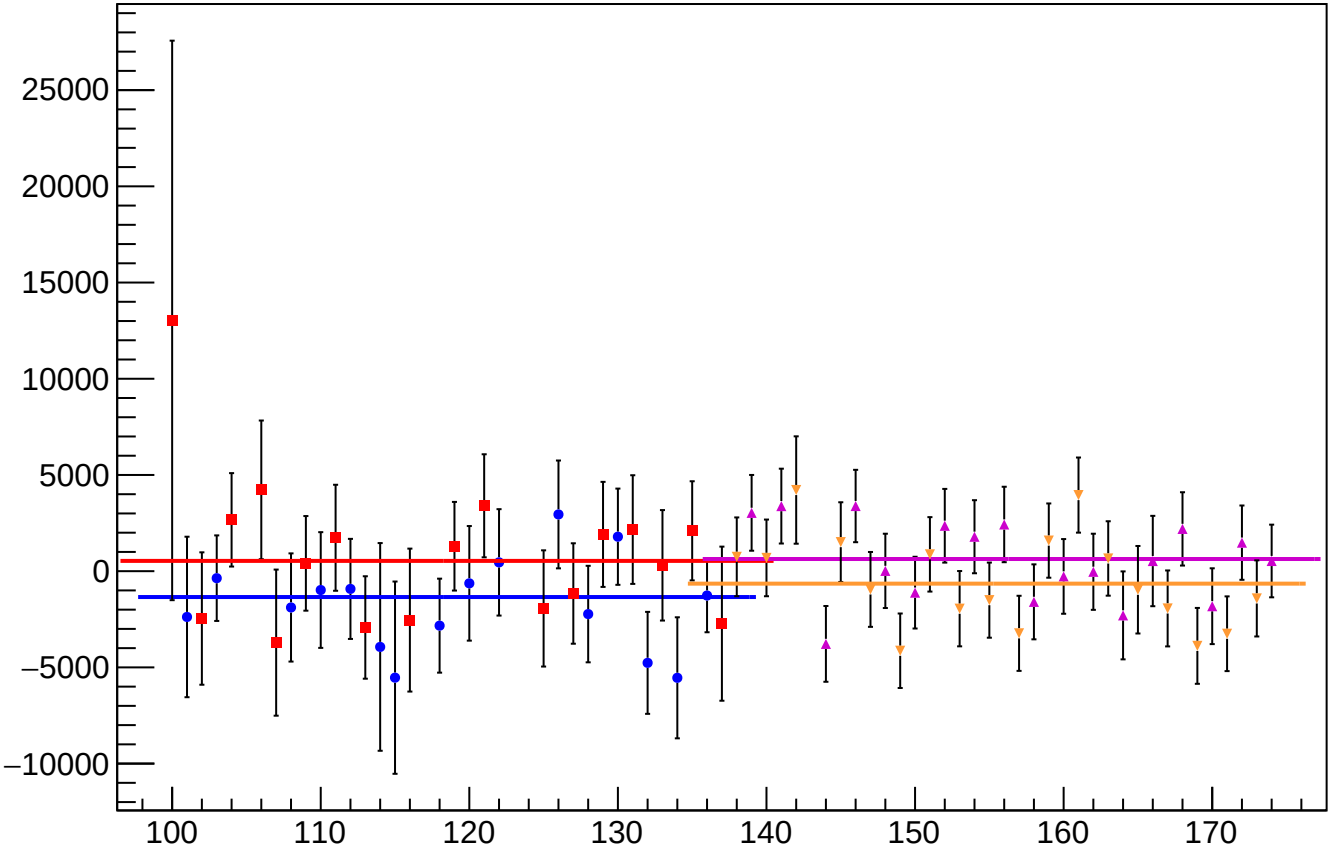
Left In: 721.458+/-0.133 χ^2/NDF:418864.9/17

+ sign 787.538+/-0.126 χ^2/NDF: 3571072.3/33

All: 773.153+/-0.087 χ^2/NDF: 7517456.4/69

- 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: -648.168+/-473.339 χ^2/NDF:23.8/17

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

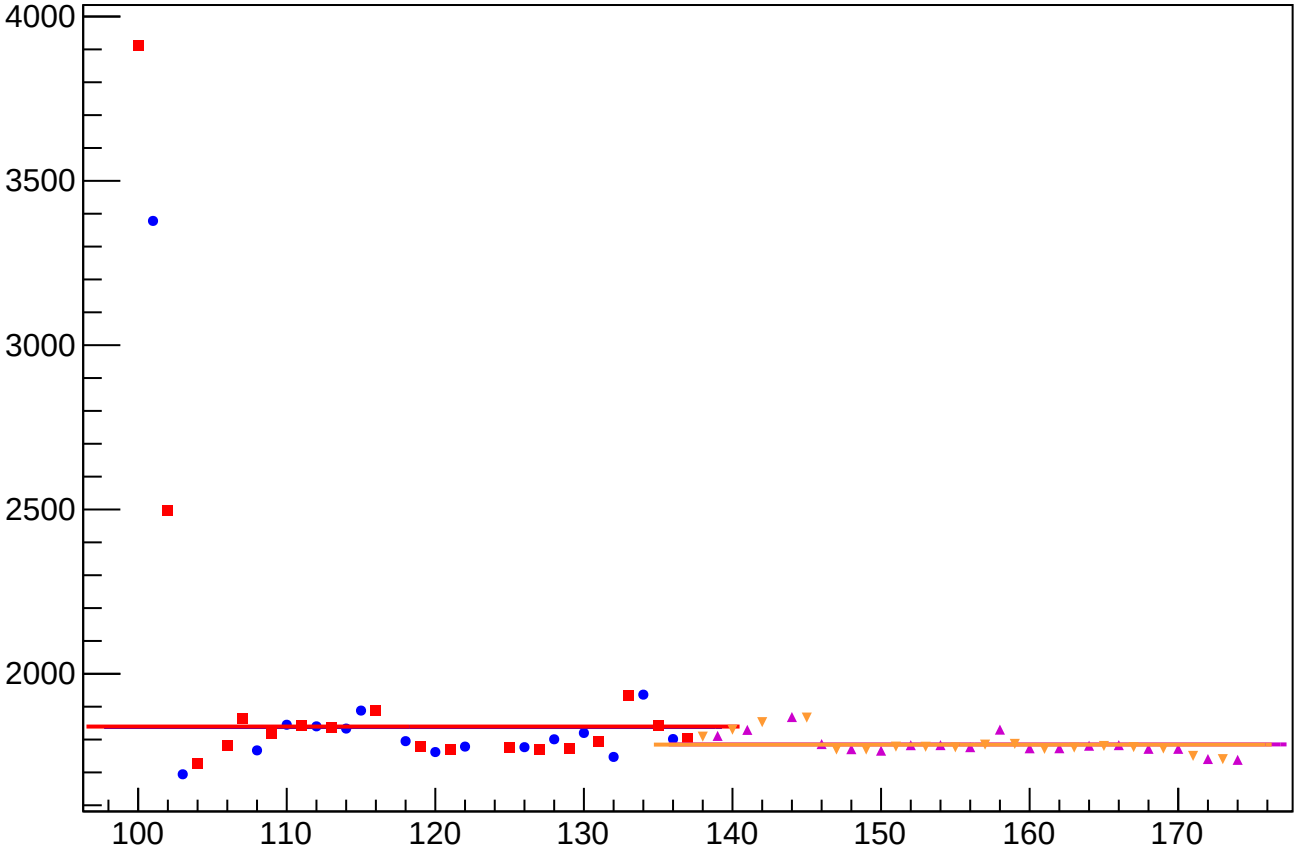
Left In: 632.379+/-462.819 χ^2/NDF:19.4/17

+ sign -870.409+/-390.495 χ^2/NDF: 34.1/33

All: -122.888+/-273.988 χ^2/NDF: 71.8/69

- 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: 1784.586+/-0.335 χ^2/NDF:7857.2/17

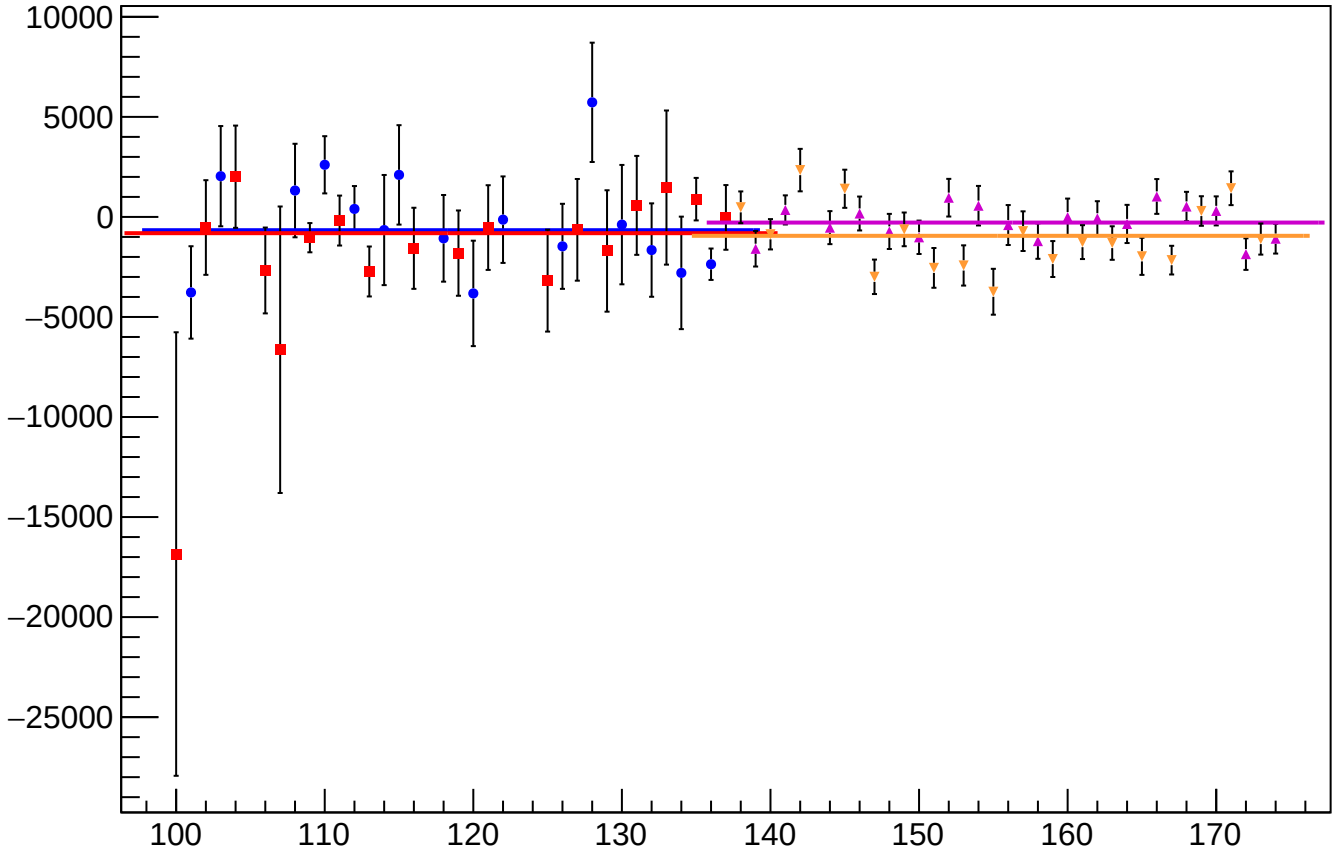
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1785.199+/-0.327 χ^2/NDF:9025.4/17

+ sign 1801.698+/-0.276 χ^2/NDF: 308024.5/33

All: 1801.862+/-0.194 χ^2/NDF: 453836.0/69

- 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: -943.970+/-204.474 χ^2/NDF:52.4/17

Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

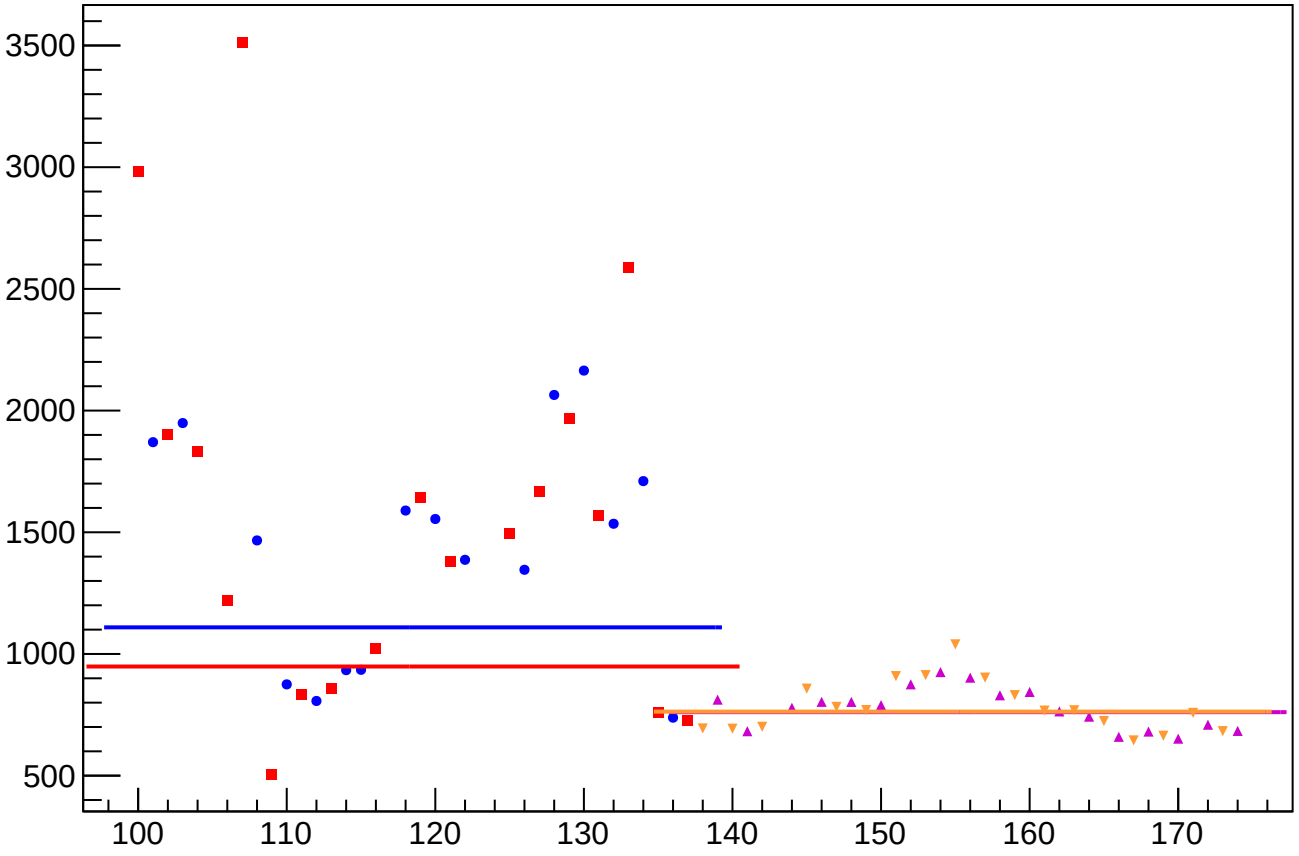
Left In: -282.355+/-198.703 χ^2/NDF:17.4/17

\+ sign -895.238+/-185.864 χ^2/NDF: 75.5/33

All: -630.460+/-128.444 χ^2/NDF: 110.4/69

\- 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: 763.179+/-0.145 χ^2/NDF:430265.5/17

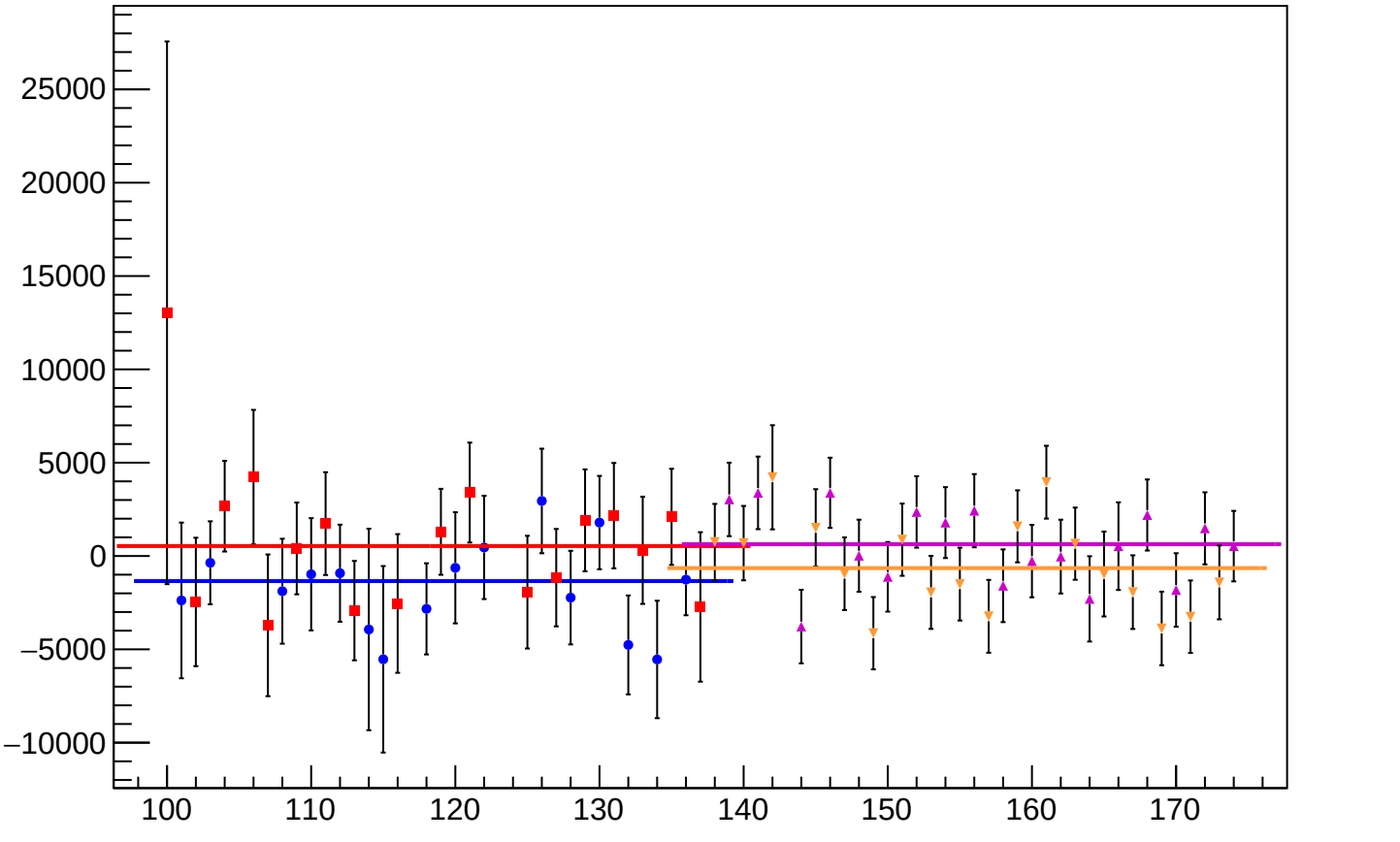
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 760.856+/-0.141 χ^2/NDF:323190.4/17

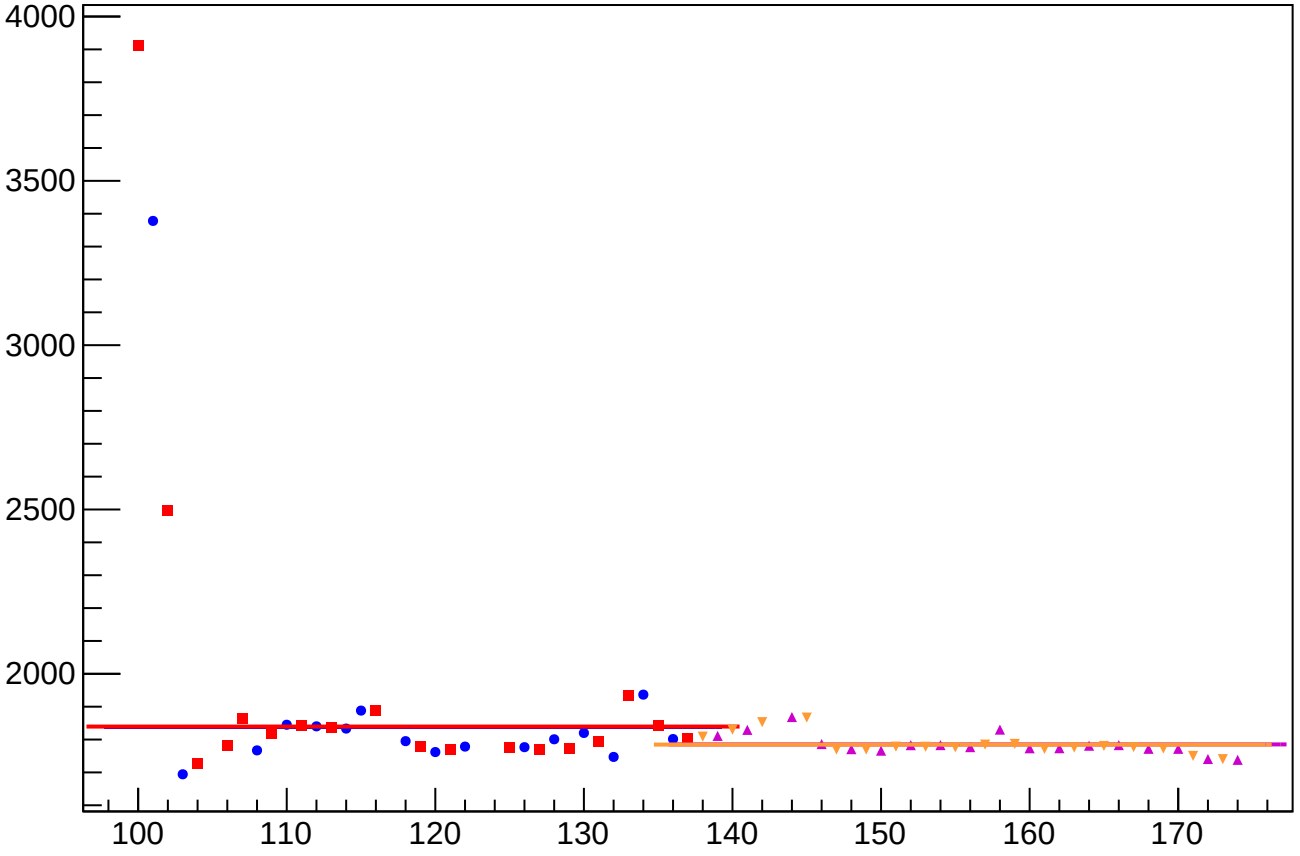
+ sign 823.326+/-0.131 χ^2/NDF: 3399665.7/33

All: 810.307+/-0.091 χ^2/NDF: 7152104.6/69

- sign 798.405+/-0.126 χ^2/NDF: 3733655.6/35


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -648.167+/-473.339 χ²/NDF:23.8/17
Right Out: 534.199+/-690.970 χ²/NDF: 11.1/17
Left In: 632.379+/-462.819 χ²/NDF:19.4/17
+ sign -870.409+/-390.495 χ²/NDF: 34.1/33
All: -122.888+/-273.988 χ²/NDF: 71.8/69
- sign 601.972+/-384.530 χ²/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: 1784.586+/-0.335 χ^2/NDF:7857.3/17

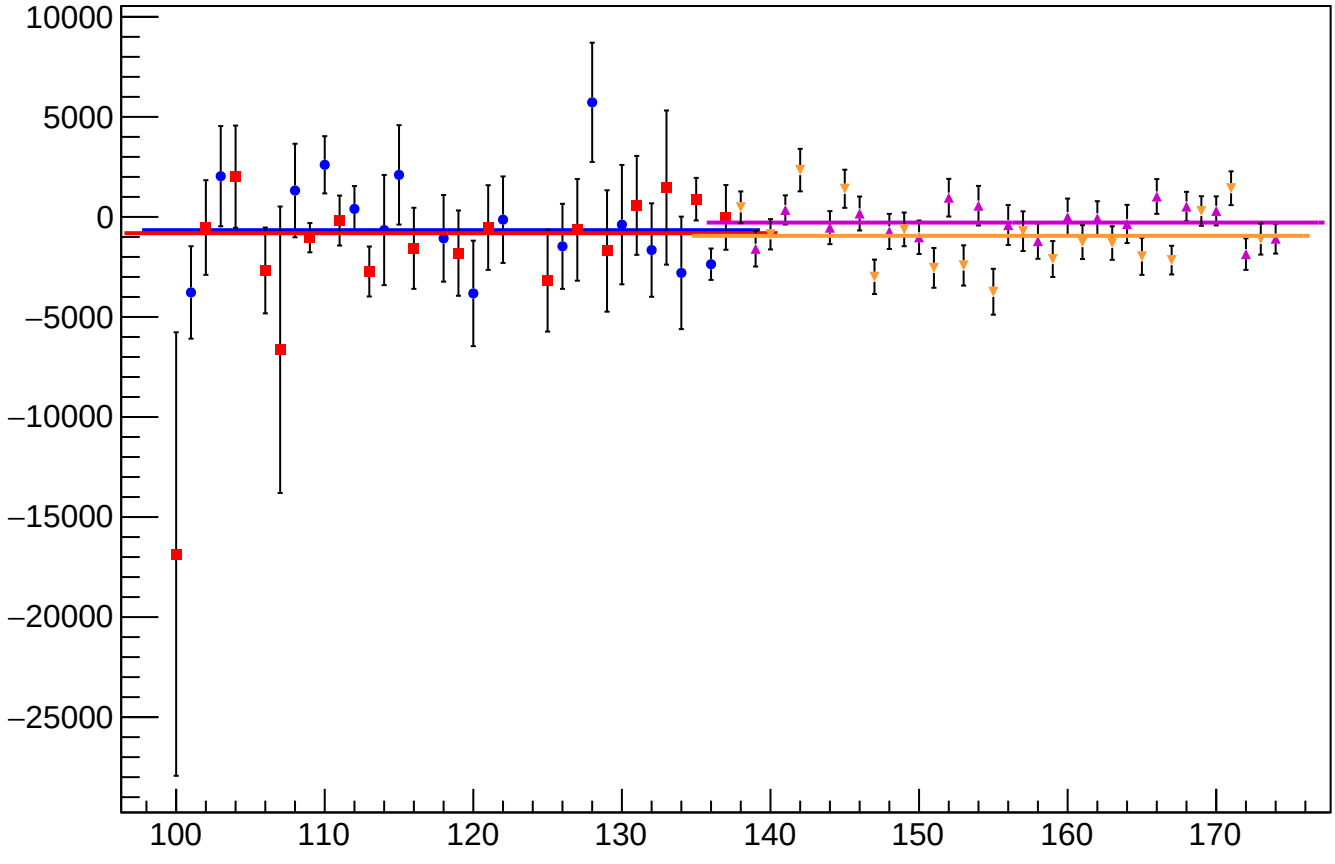
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1785.199+/-0.327 χ^2/NDF:9025.4/17

+ sign 1801.698+/-0.276 χ^2/NDF: 308024.5/33

All: 1801.862+/-0.194 χ^2/NDF: 453836.1/69

- 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: -943.973+/-204.474 χ^2/NDF:52.4/17

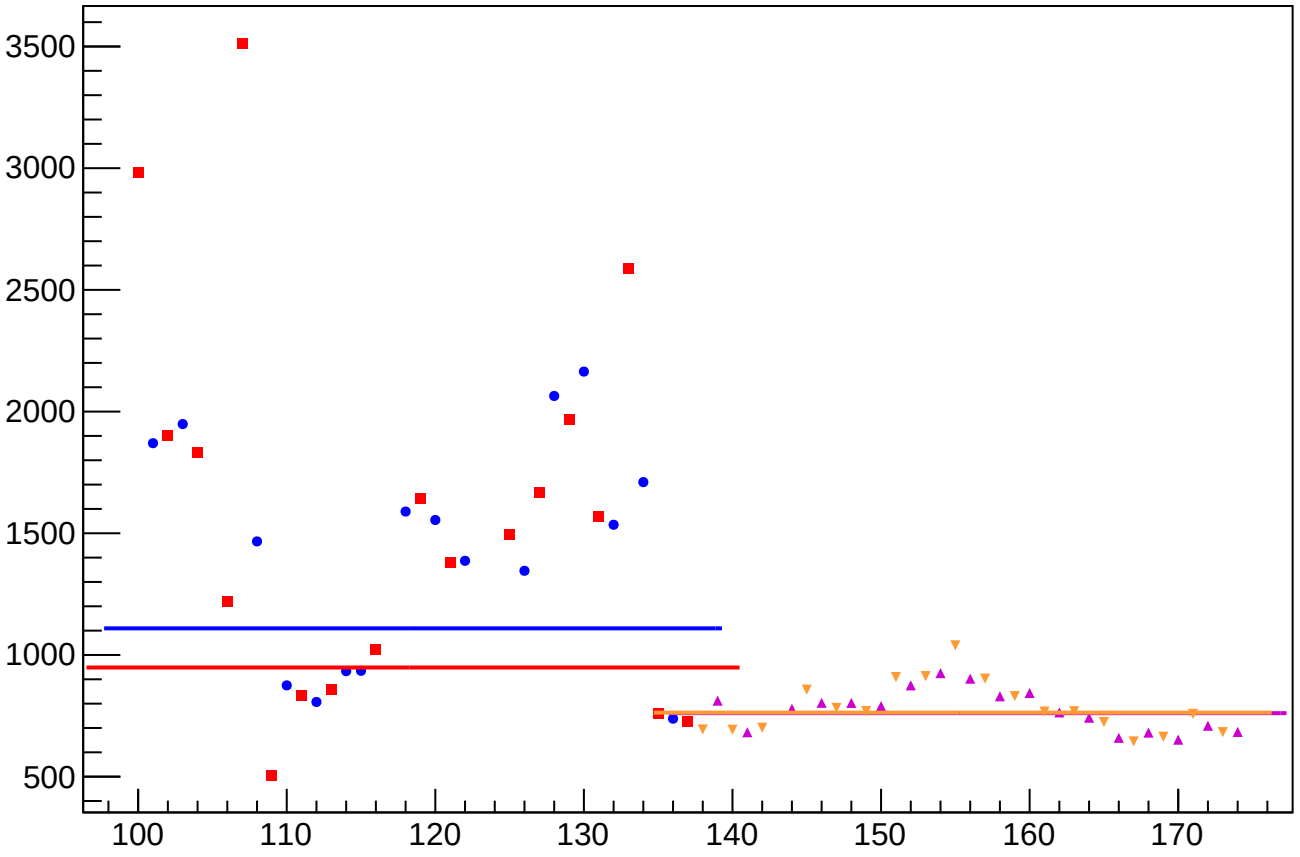
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -282.352+/-198.703 χ^2/NDF:17.4/17

+ sign -895.238+/-185.864 χ^2/NDF: 75.5/33

All: -630.459+/-128.444 χ^2/NDF: 110.4/69

- 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: 763.179+/-0.145 χ^2/NDF:430257.8/17

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

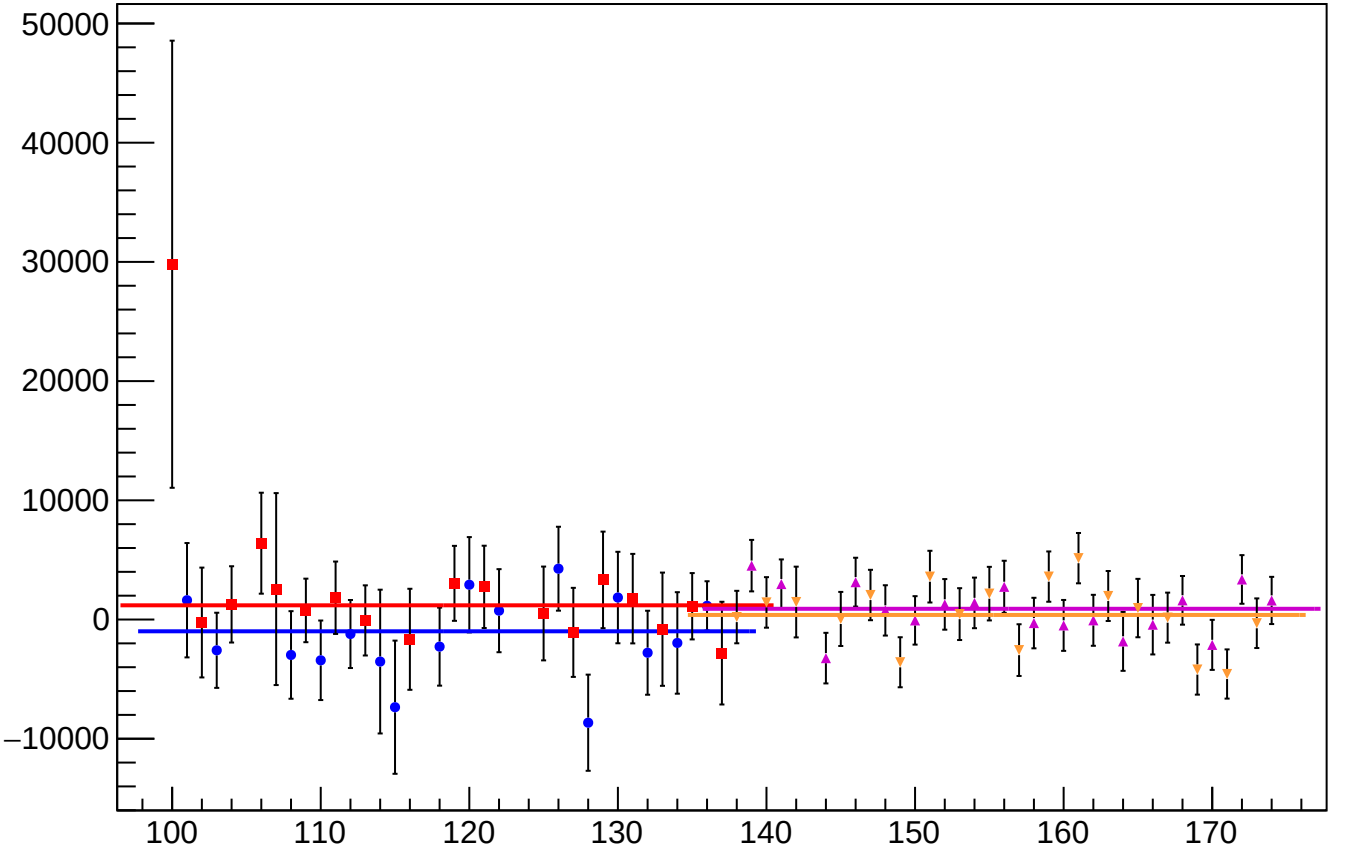
Left In: 760.856+/-0.141 χ^2/NDF:323198.2/17

+ sign 823.327+/-0.131 χ^2/NDF: 3399629.5/33

All: 810.307+/-0.091 χ^2/NDF: 7152060.3/69

- 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: 383.345+/-514.099 χ^2/NDF:27.9/17

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

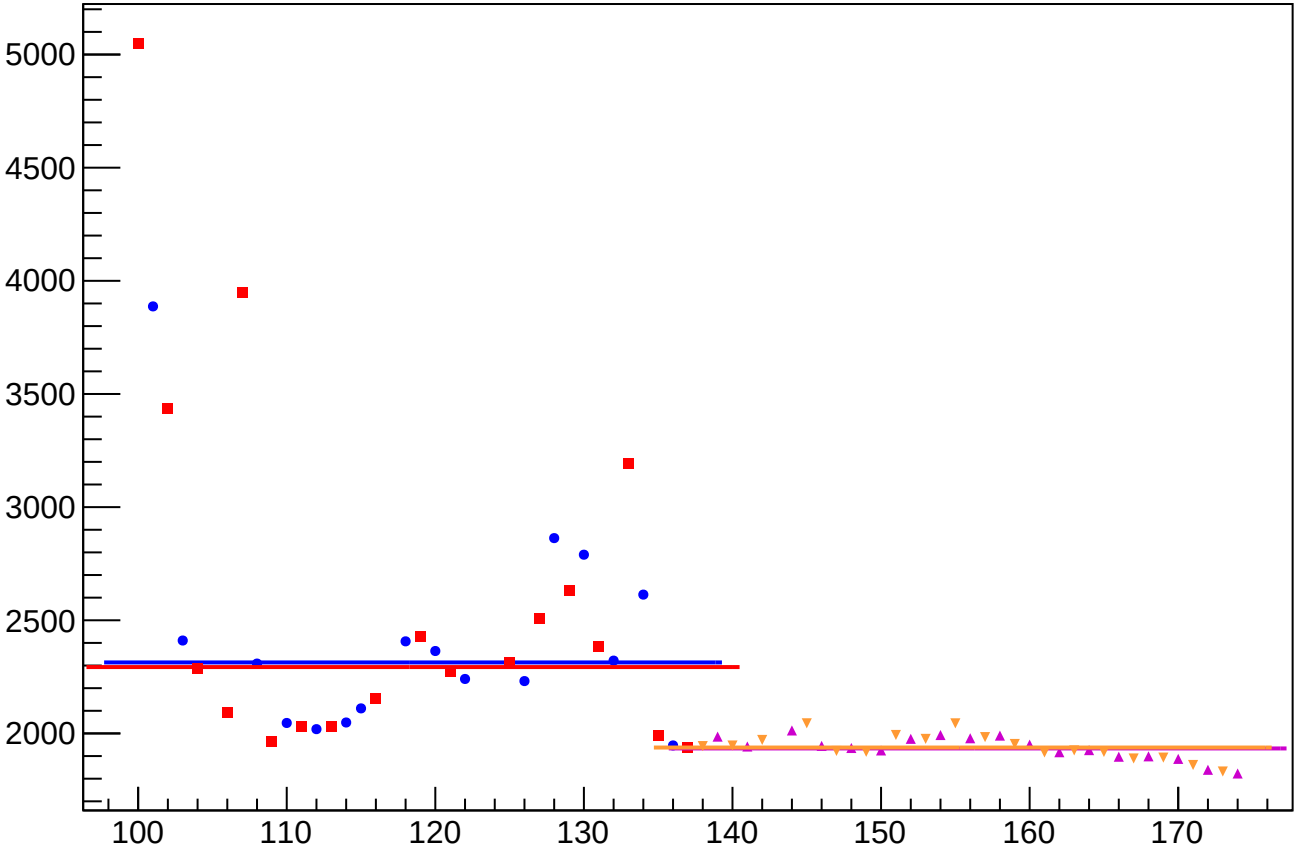
Left In: 900.280+/-501.440 χ^2/NDF:16.1/17

+ sign 30.857+/-443.103 χ^2/NDF: 41.8/33

All: 511.172+/-310.234 χ^2/NDF: 67.2/69

- 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: 1937.669+/-0.364 χ^2/NDF:22821.0/17

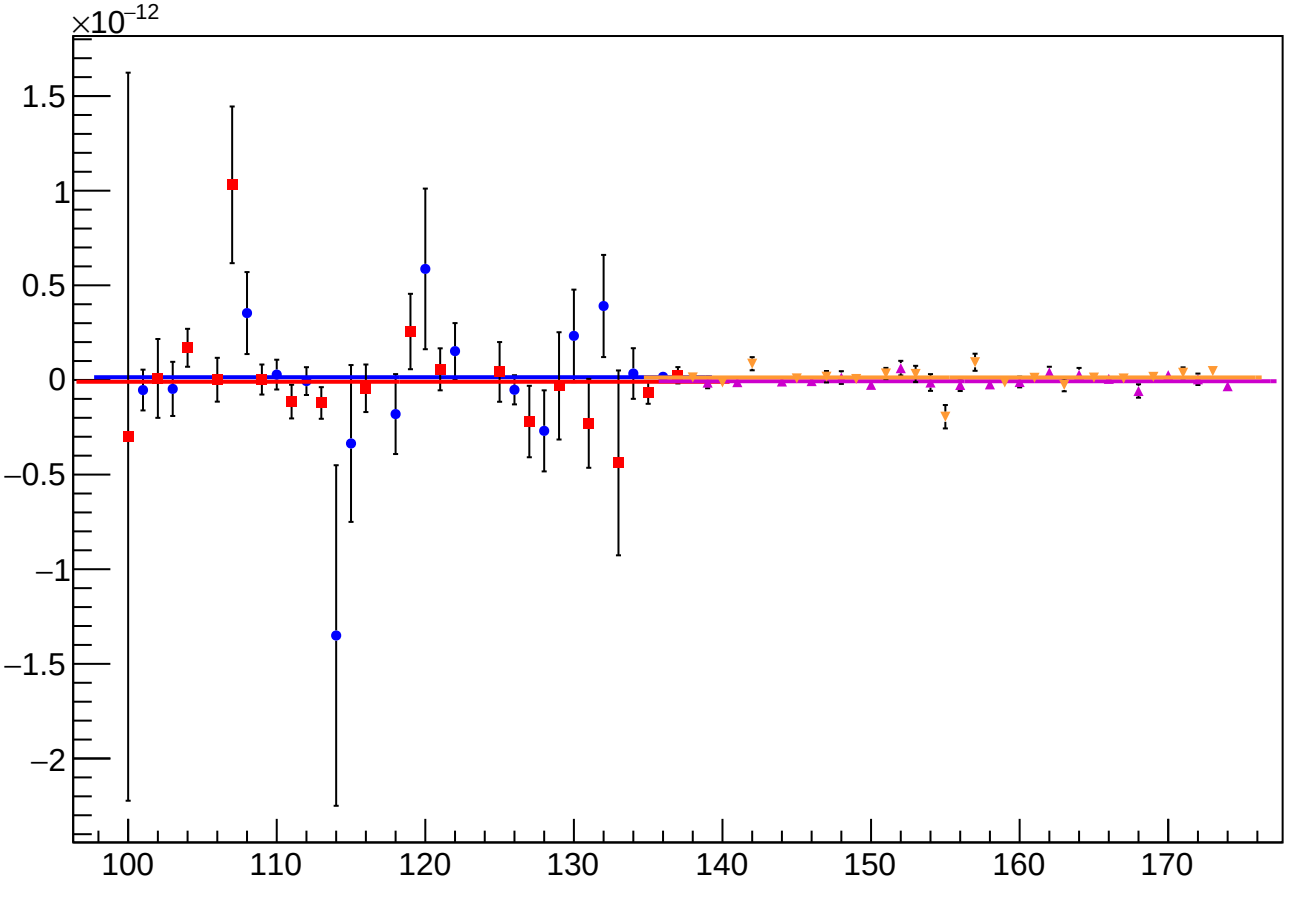
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1933.659+/-0.355 χ^2/NDF:21525.4/17

+ sign 2034.367+/-0.313 χ^2/NDF: 700763.0/33

All: 2028.708+/-0.219 χ^2/NDF: 1432448.3/69

- 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:28.5/17

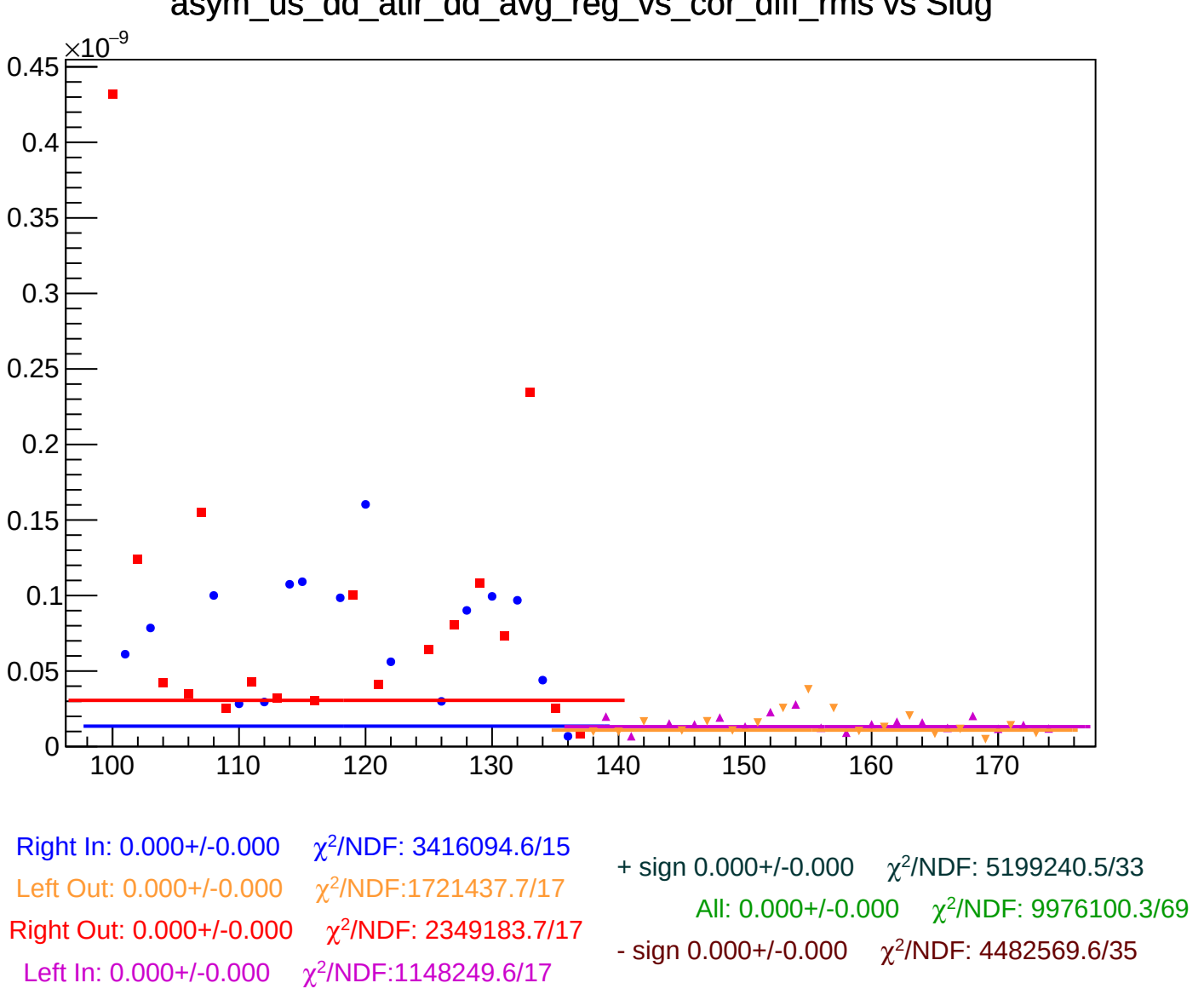
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:14.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 43.4/33

All: 0.000+/-0.000 χ^2/NDF: 84.6/69

- sign -0.000+/-0.000 χ^2/NDF: 34.3/35


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
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100
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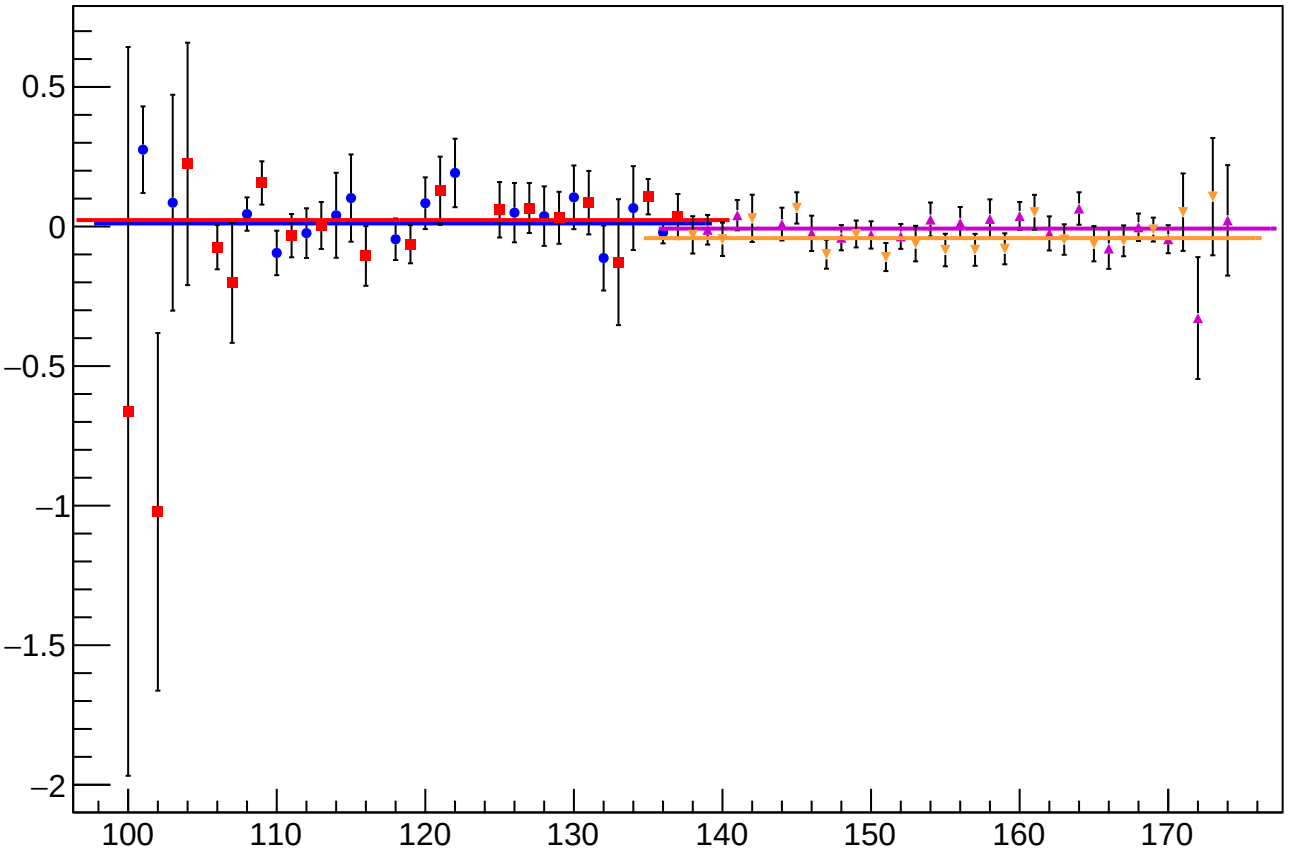
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3416094.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1721437.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 2349183.7/17
Left In: 0.000+/-0.000 χ²/NDF:1148249.6/17
+ sign 0.000+/-0.000 χ²/NDF: 5199240.5/33
All: 0.000+/-0.000 χ²/NDF: 9976100.3/69
- sign 0.000+/-0.000 χ²/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:13.1/17

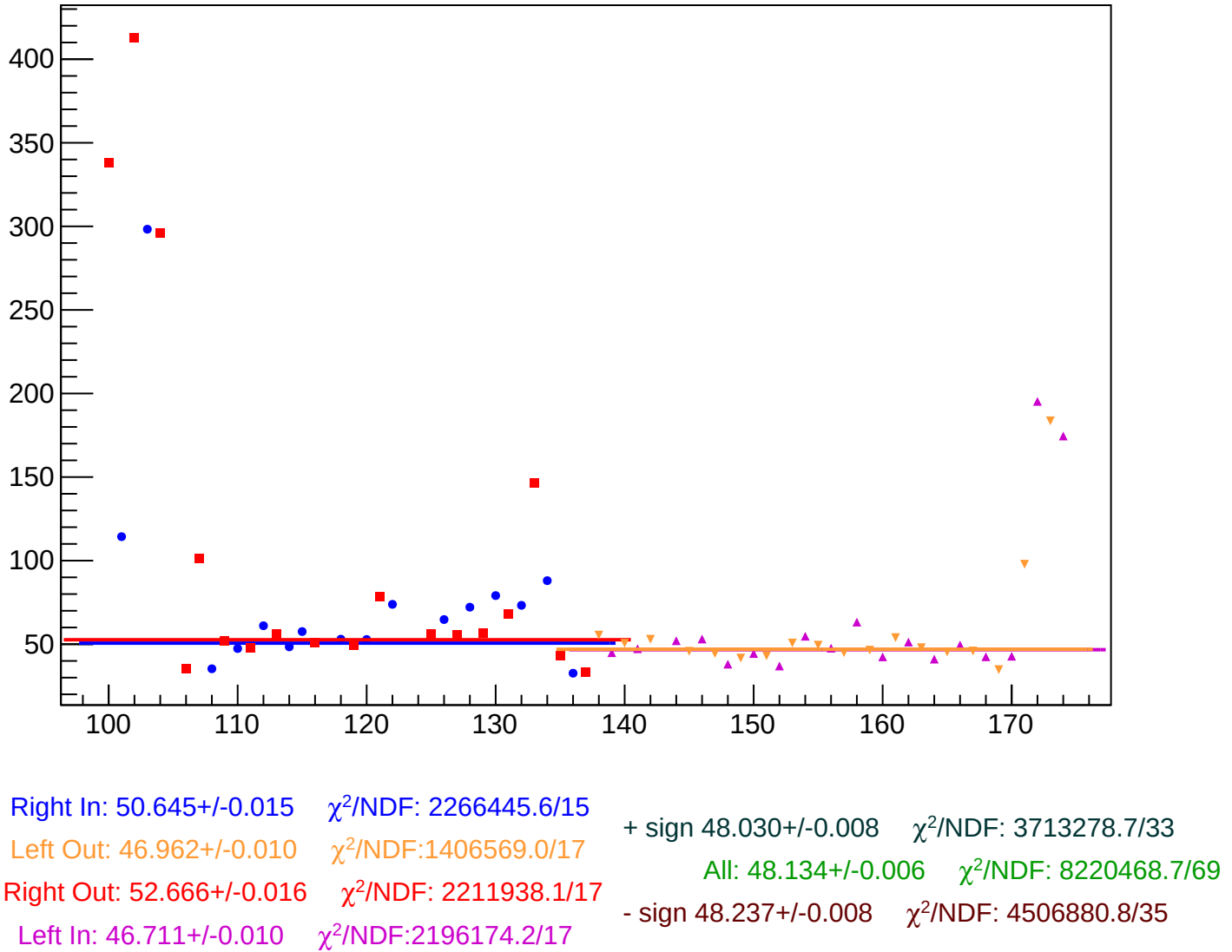
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.007+/-0.014 χ^2/NDF:8.9/17

+ sign -0.026+/-0.012 χ^2/NDF: 28.9/33

All: -0.013+/-0.008 χ^2/NDF: 57.6/69

- sign 0.000+/-0.012 χ^2/NDF: 26.1/35


asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug
400
350
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100
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120
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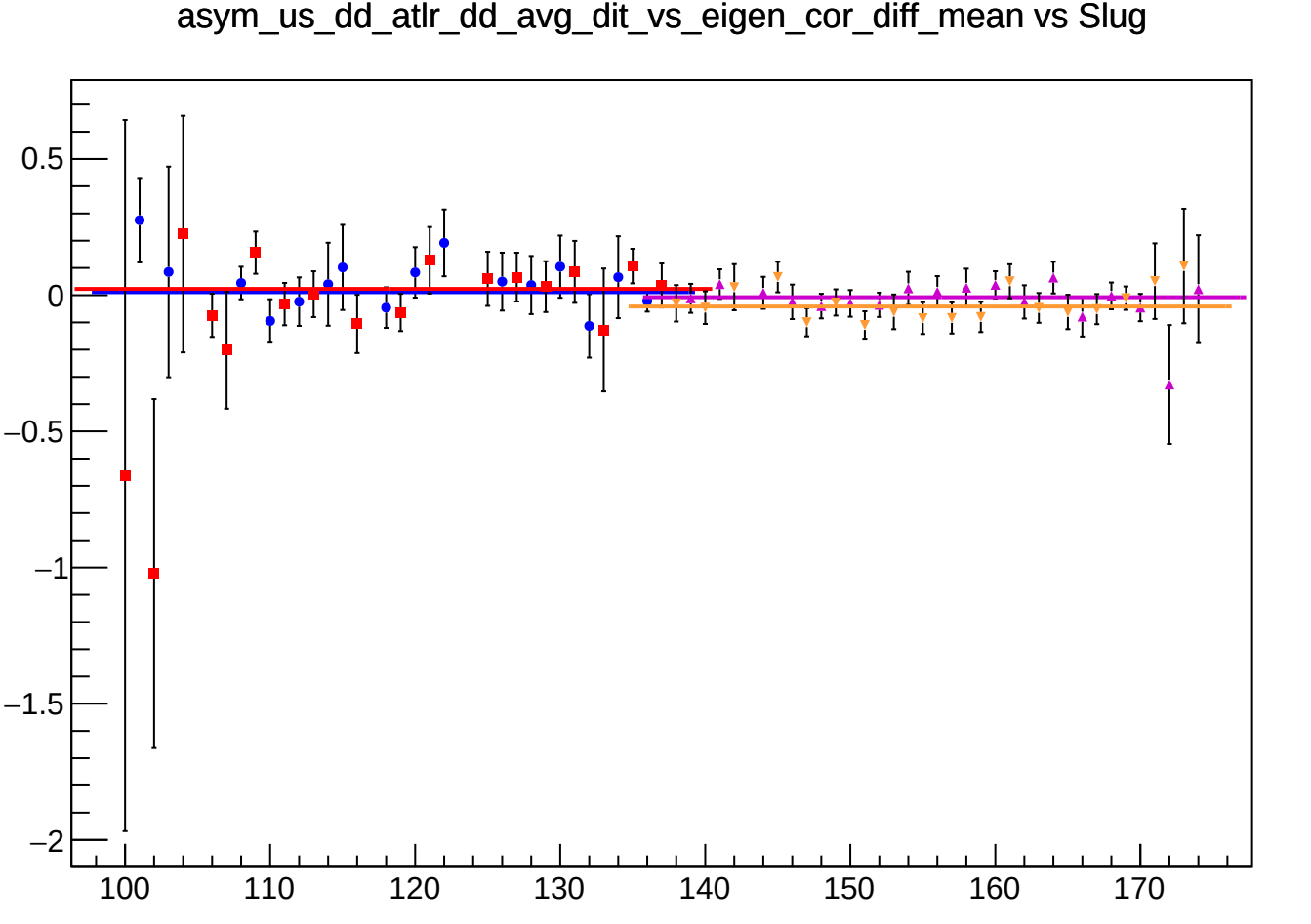
140
150
160
170
Right In: 50.645+/-0.015 χ²/NDF: 2266445.6/15
Left Out: 46.962+/-0.010 χ²/NDF:1406569.0/17
Right Out: 52.666+/-0.016 χ²/NDF: 2211938.1/17
Left In: 46.711+/-0.010 χ²/NDF:2196174.2/17
+ sign 48.030+/-0.008 χ²/NDF: 3713278.7/33
All: 48.134+/-0.006 χ²/NDF: 8220468.7/69
- sign 48.237+/-0.008 χ²/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:13.1/17

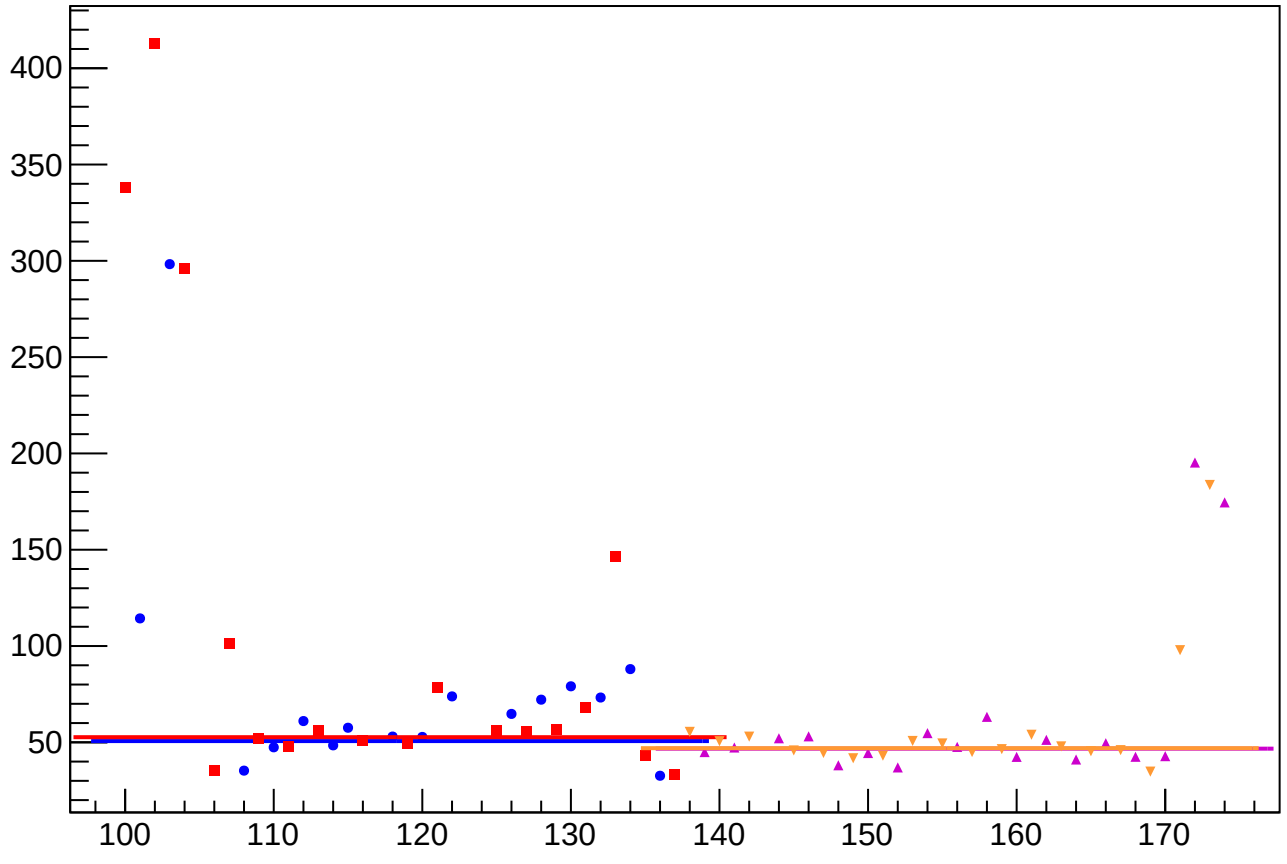
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.007+/-0.014 χ^2/NDF:8.9/17

+ sign -0.026+/-0.012 χ^2/NDF: 28.9/33

All: -0.013+/-0.008 χ^2/NDF: 57.6/69

- 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: 46.962+/-0.010 χ^2/NDF:1406569.0/17

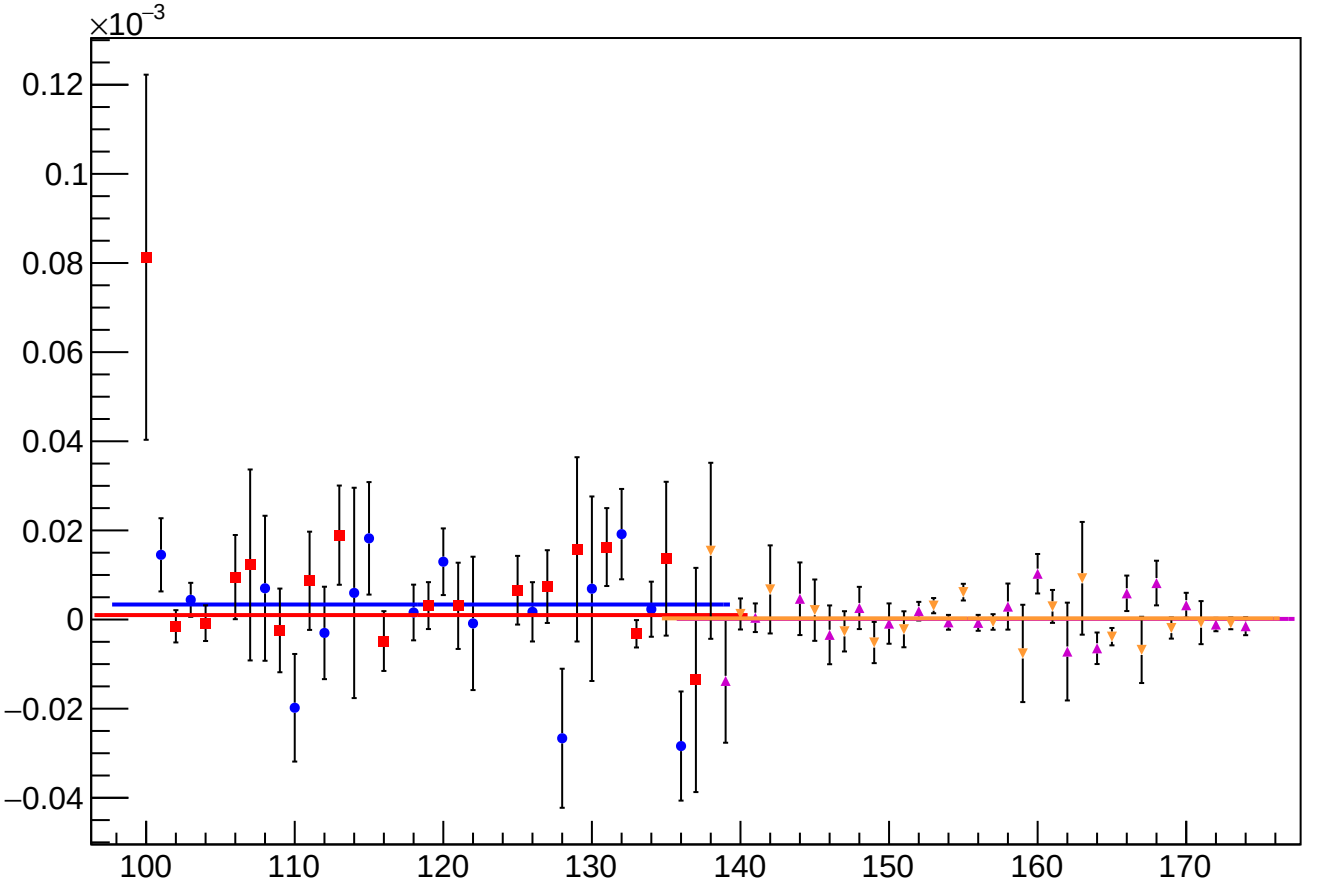
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.711+/-0.010 χ^2/NDF:2196174.2/17

+ sign 48.030+/-0.008 χ^2/NDF: 3713278.7/33

All: 48.134+/-0.006 χ^2/NDF: 8220468.7/69

- 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:24.7/17

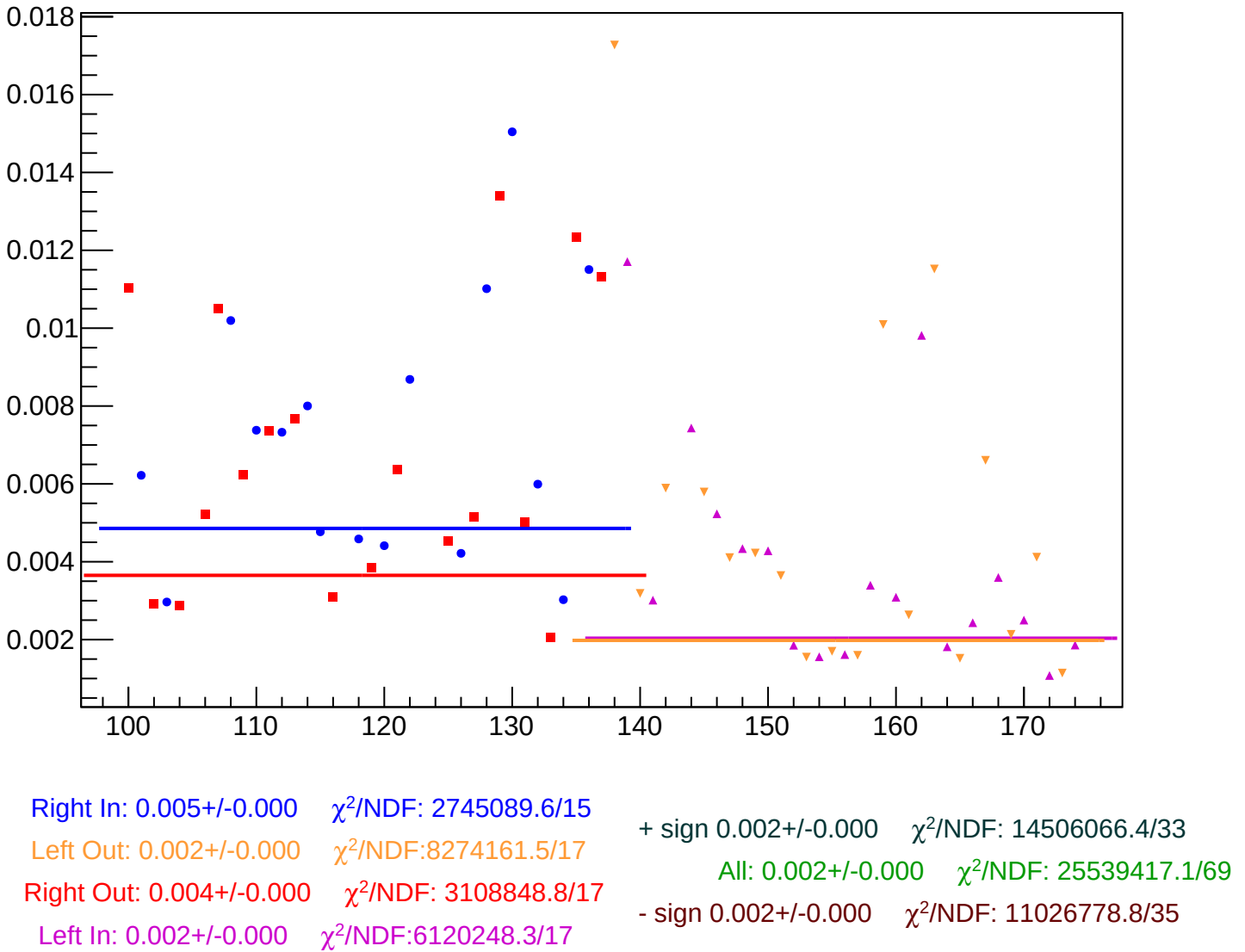
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:19.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 48.9/33

All: 0.000+/-0.000 χ^2/NDF: 86.3/69

- sign 0.000+/-0.000 χ^2/NDF: 37.2/35


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
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0.01
0.008
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0.004
0.002
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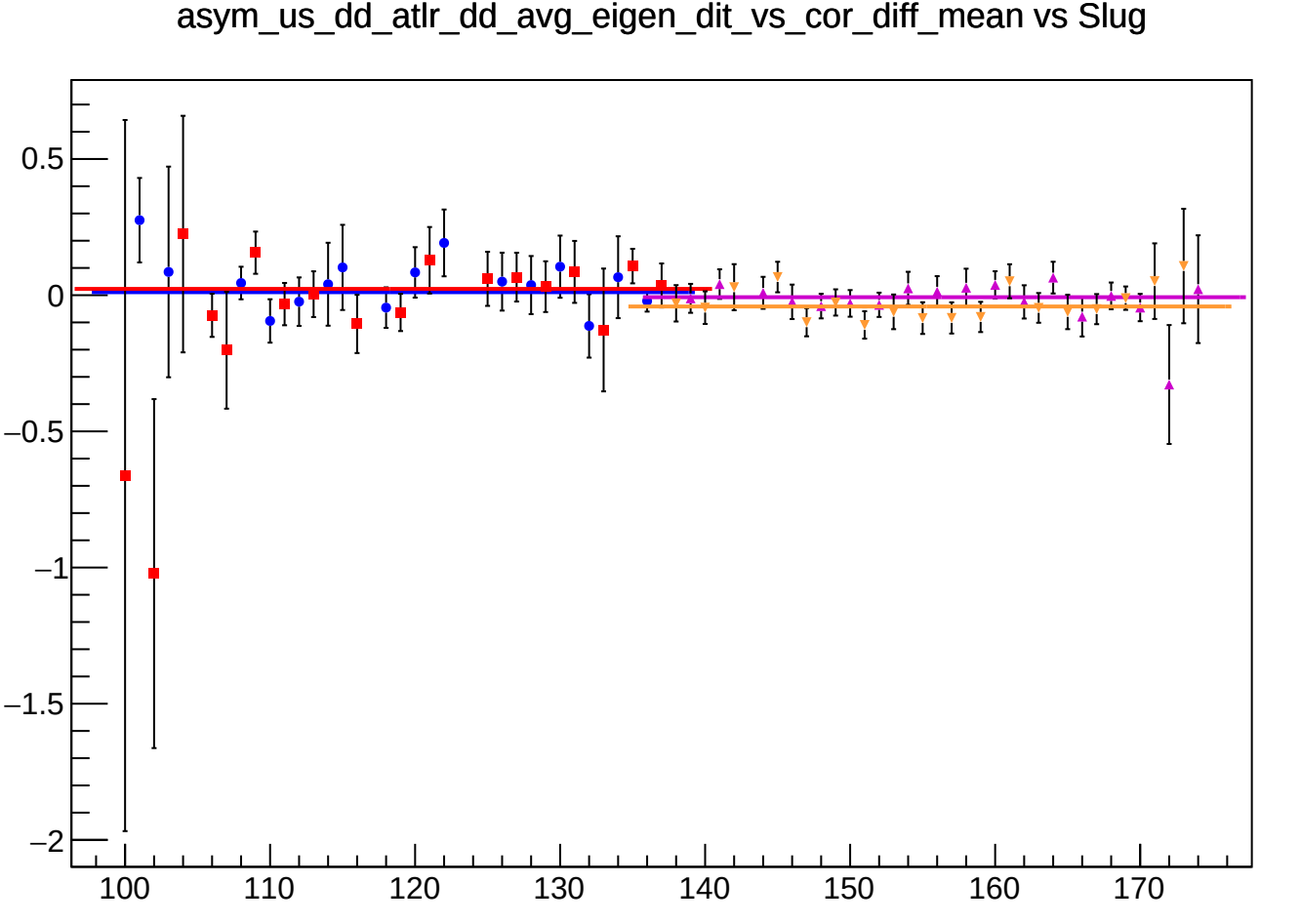
170
Right In: 0.005+/-0.000 χ²/NDF: 2745089.6/15
Left Out: 0.002+/-0.000 χ²/NDF:8274161.5/17
Right Out: 0.004+/-0.000 χ²/NDF: 3108848.8/17
Left In: 0.002+/-0.000 χ²/NDF:6120248.3/17
+ sign 0.002+/-0.000 χ²/NDF: 14506066.4/33
All: 0.002+/-0.000 χ²/NDF: 25539417.1/69
- sign 0.002+/-0.000 χ²/NDF: 11026778.8/35



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.1/17

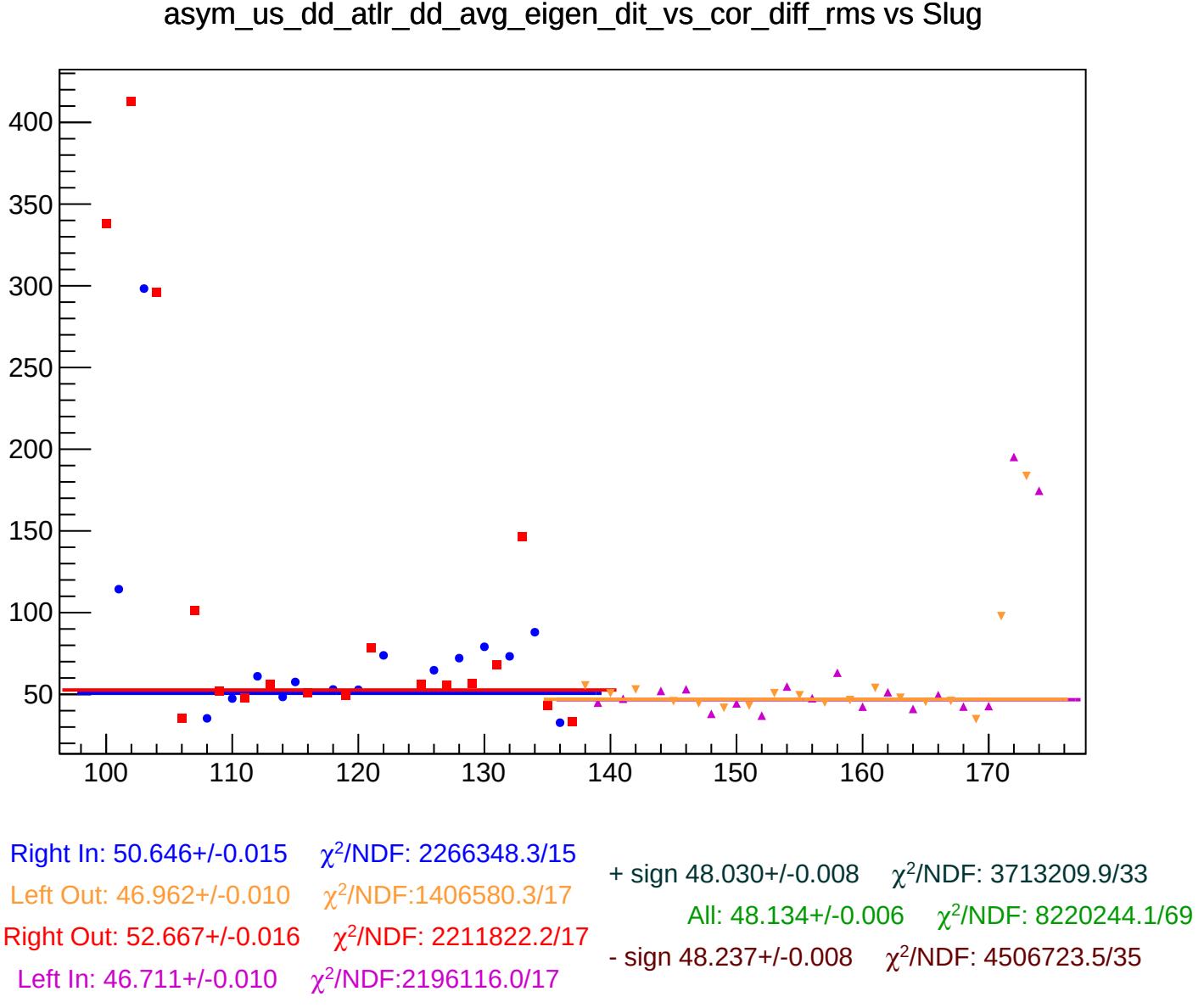
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.007+/-0.014 χ^2/NDF:8.9/17

+ sign -0.026+/-0.012 χ^2/NDF: 28.9/33

All: -0.013+/-0.008 χ^2/NDF: 57.6/69

- sign 0.000+/-0.012 χ^2/NDF: 26.1/35


asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
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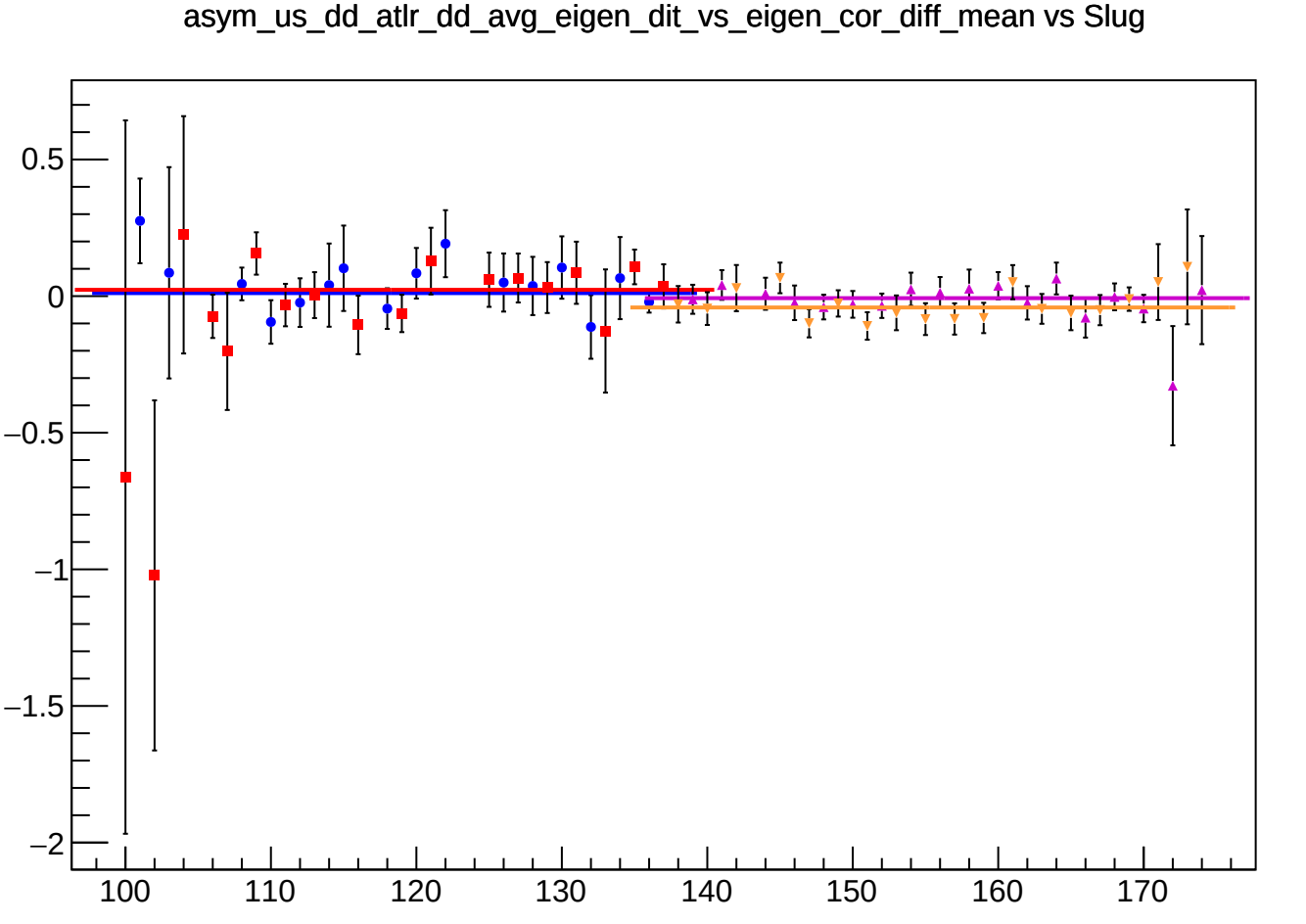
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 46.962+/-0.010 χ²/NDF:1406580.3/17
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 46.711+/-0.010 χ²/NDF:2196116.0/17
+ sign 48.030+/-0.008 χ²/NDF: 3713209.9/33
All: 48.134+/-0.006 χ²/NDF: 8220244.1/69
- sign 48.237+/-0.008 χ²/NDF: 4506723.5/35



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.1/17

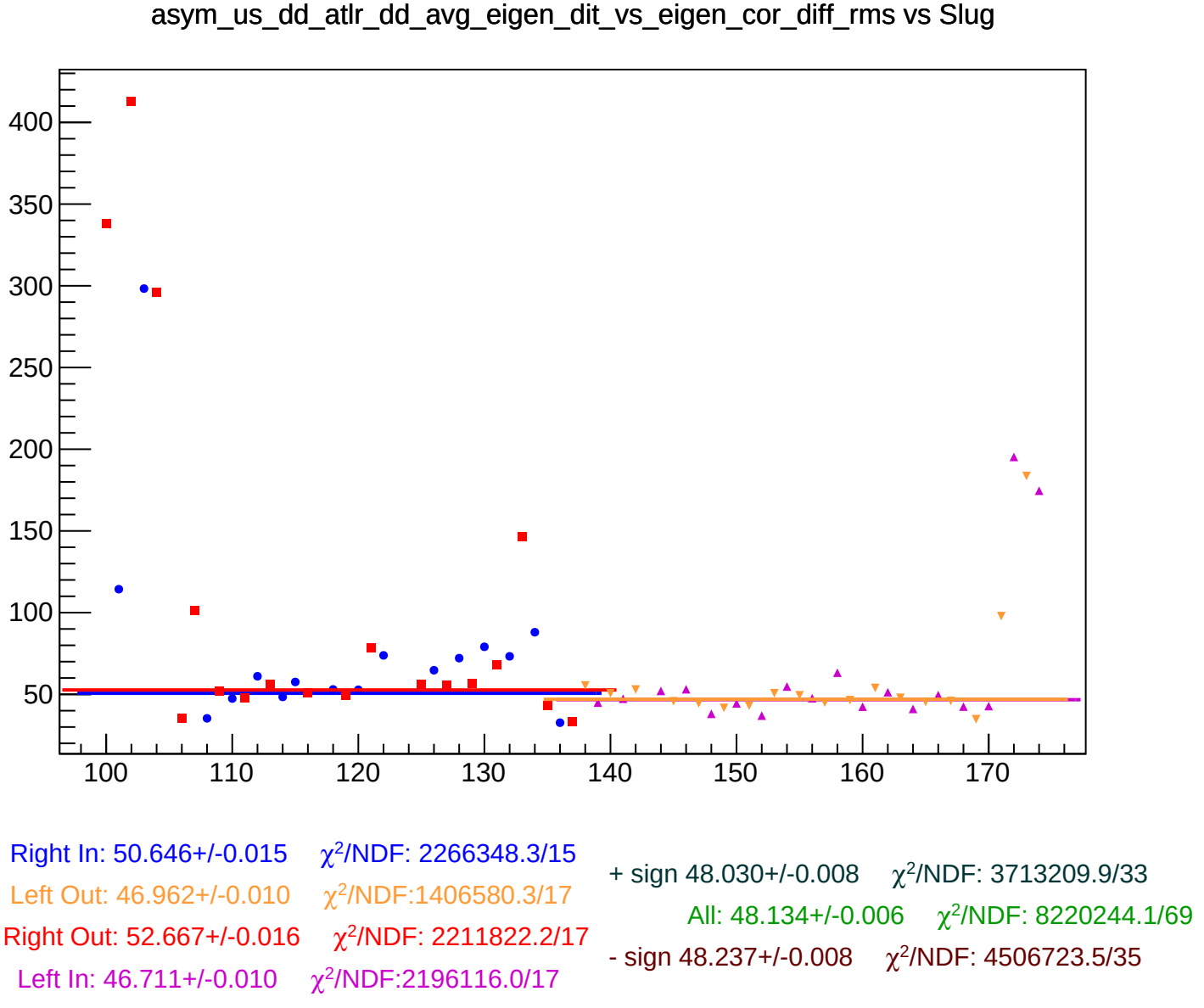
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.007+/-0.014 χ^2/NDF:8.9/17

+ sign -0.026+/-0.012 χ^2/NDF: 28.9/33

All: -0.013+/-0.008 χ^2/NDF: 57.6/69

- sign 0.000+/-0.012 χ^2/NDF: 26.1/35


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
400
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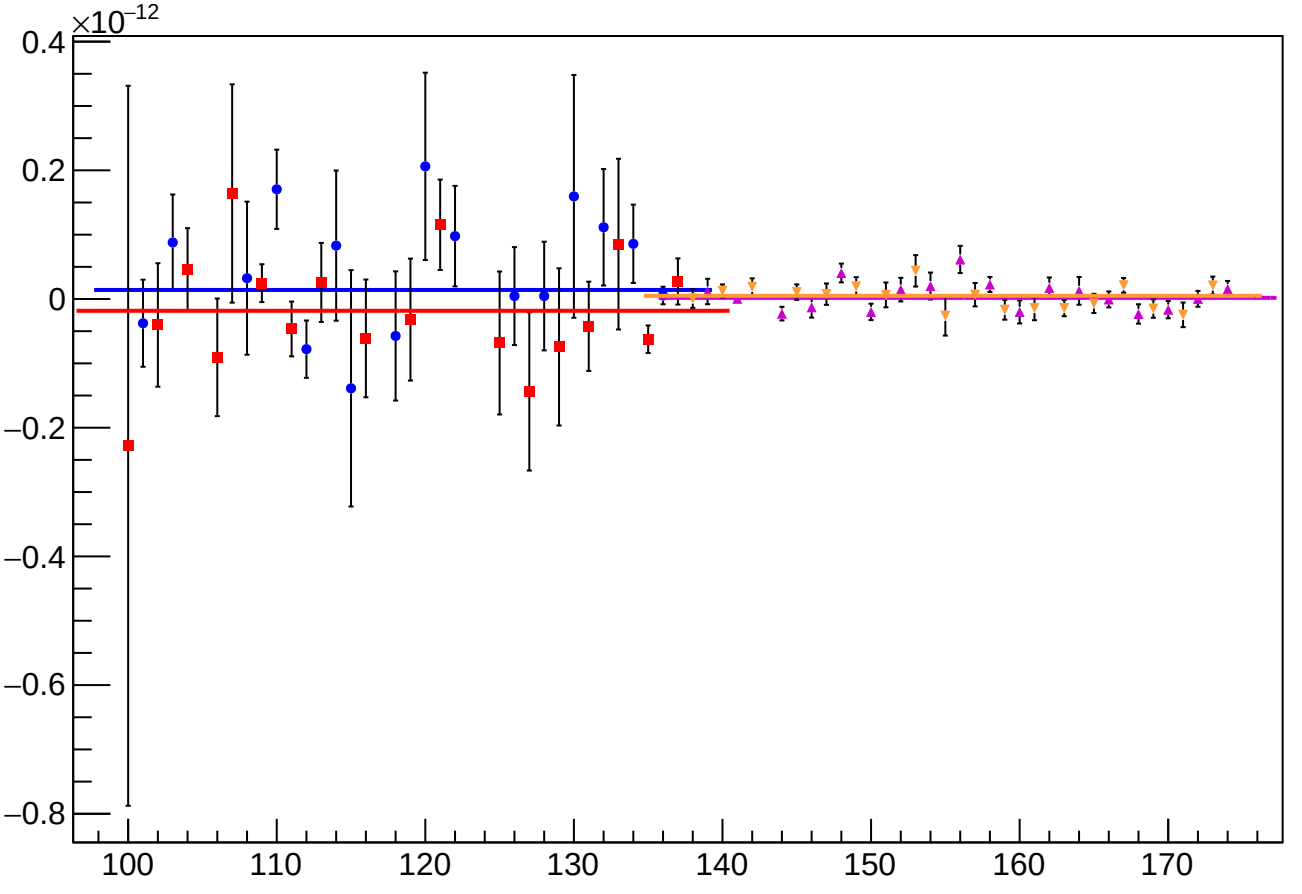
170
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 46.962+/-0.010 χ²/NDF:1406580.3/17
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 46.711+/-0.010 χ²/NDF:2196116.0/17
+ sign 48.030+/-0.008 χ²/NDF: 3713209.9/33
All: 48.134+/-0.006 χ²/NDF: 8220244.1/69
- sign 48.237+/-0.008 χ²/NDF: 4506723.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/17

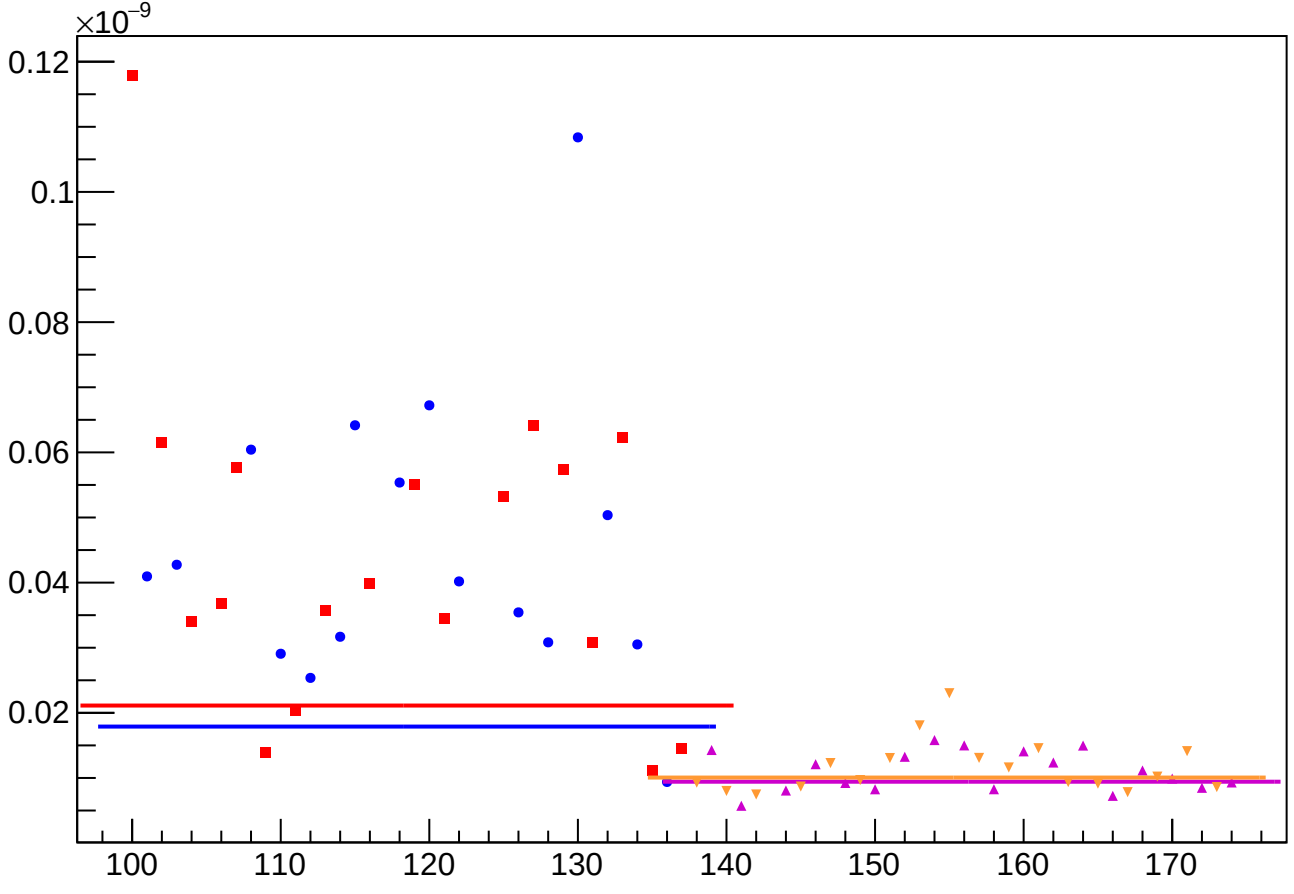
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:37.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/33

All: 0.000+/-0.000 χ^2/NDF: 100.1/69

- 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:1237436.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

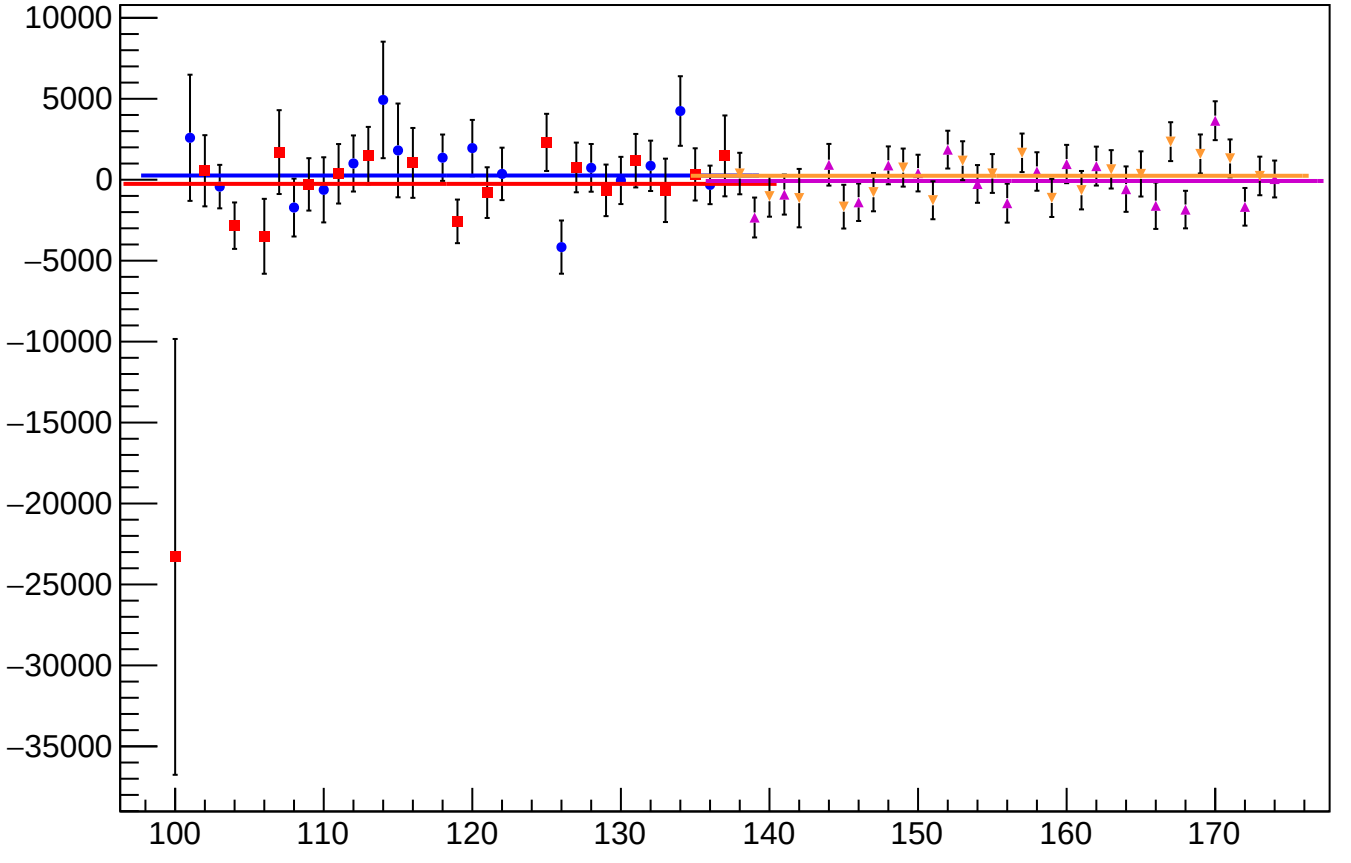
Left In: 0.000+/-0.000 χ^2/NDF:1540047.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 5509523.2/33

All: 0.000+/-0.000 χ^2/NDF: 11337332.1/69

- 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: 244.785+/-290.829 χ^2/NDF:15.4/17

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

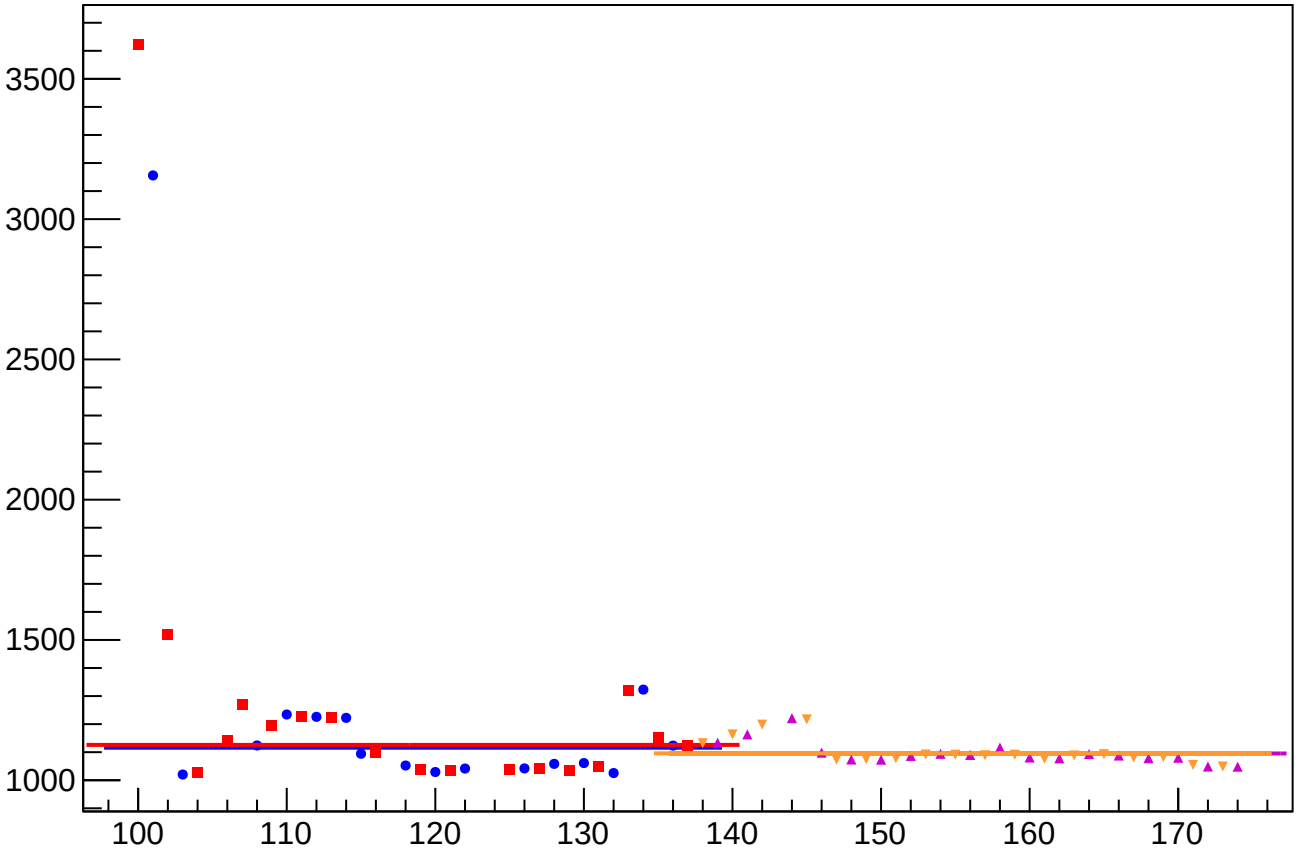
Left In: -77.442+/-284.122 χ^2/NDF:27.3/17

+ sign 249.898+/-239.951 χ^2/NDF: 32.3/33

All: 55.830+/-168.378 χ^2/NDF: 78.5/69

- 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: 1095.841+/-0.206 χ^2/NDF:38384.8/17

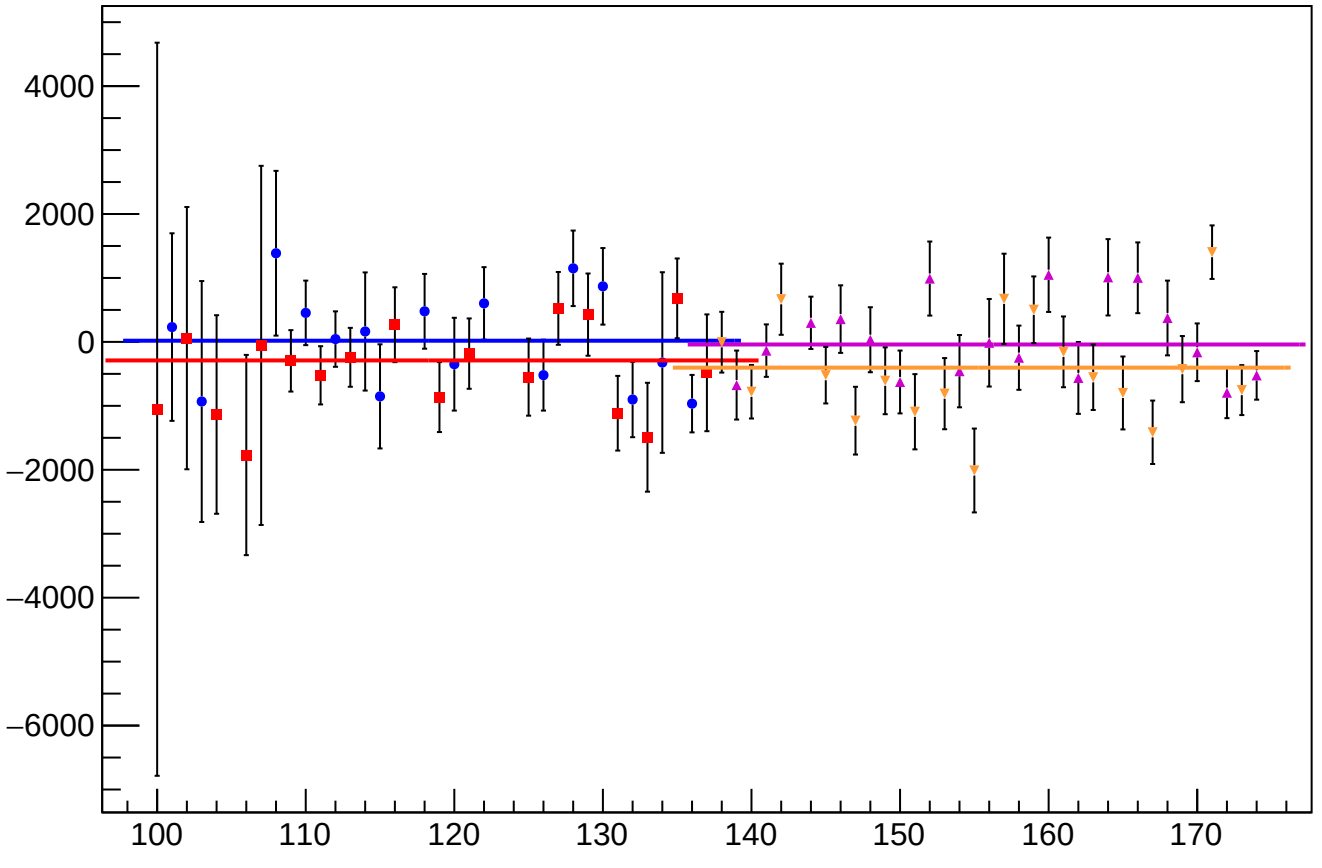
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1095.357+/-0.201 χ^2/NDF:37441.0/17

+ sign 1102.306+/-0.170 χ^2/NDF: 664870.9/33

All: 1103.573+/-0.119 χ^2/NDF: 931702.4/69

- 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: -402.553+/-119.466 χ^2/NDF:45.5/17

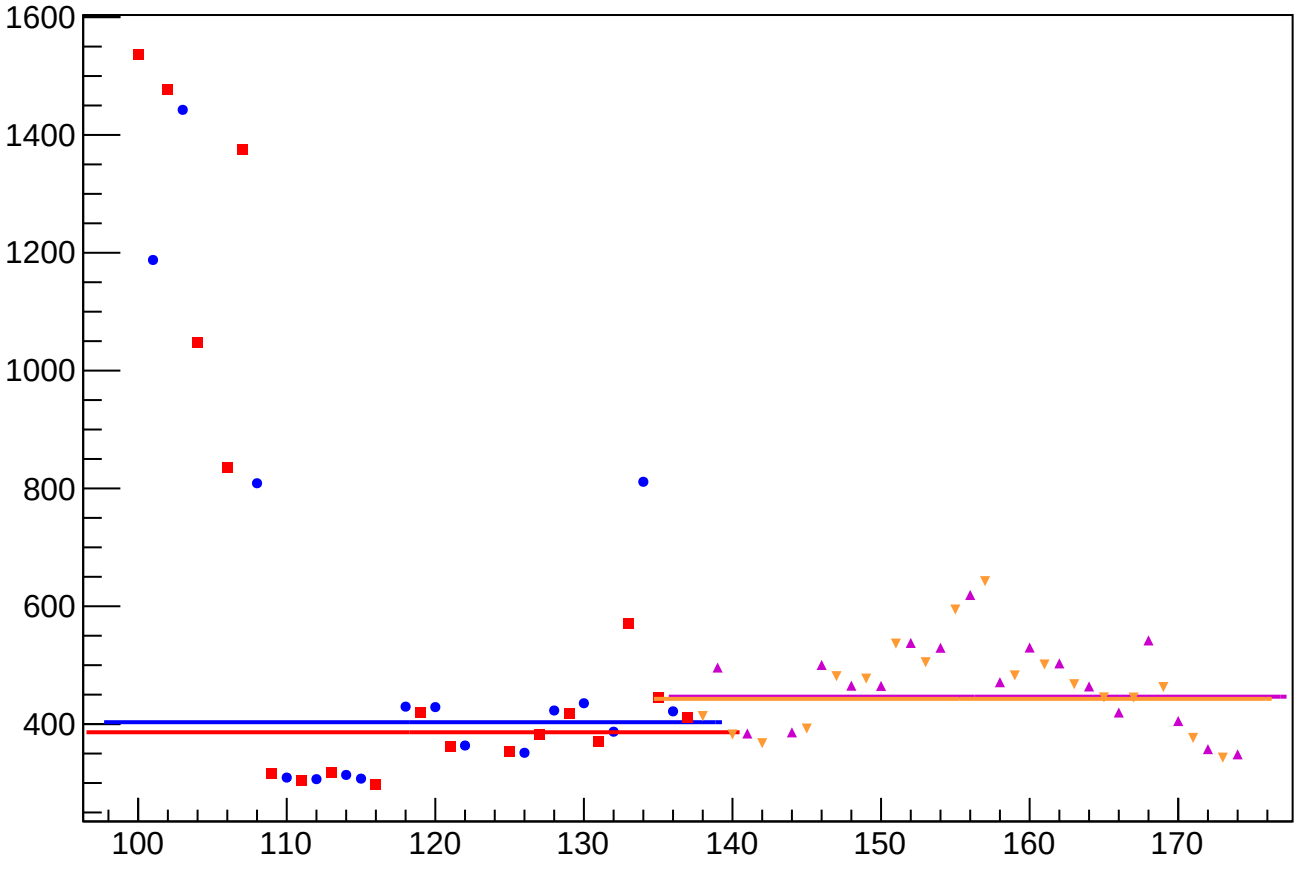
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -40.422+/-117.498 χ^2/NDF:24.8/17

+ sign -253.337+/-95.989 χ^2/NDF: 69.1/33

All: -190.616+/-67.122 χ^2/NDF: 109.9/69

- sign -130.600+/-93.896 χ^2/NDF: 39.9/35



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 442.830+/-0.084 χ^2/NDF:696243.3/17

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

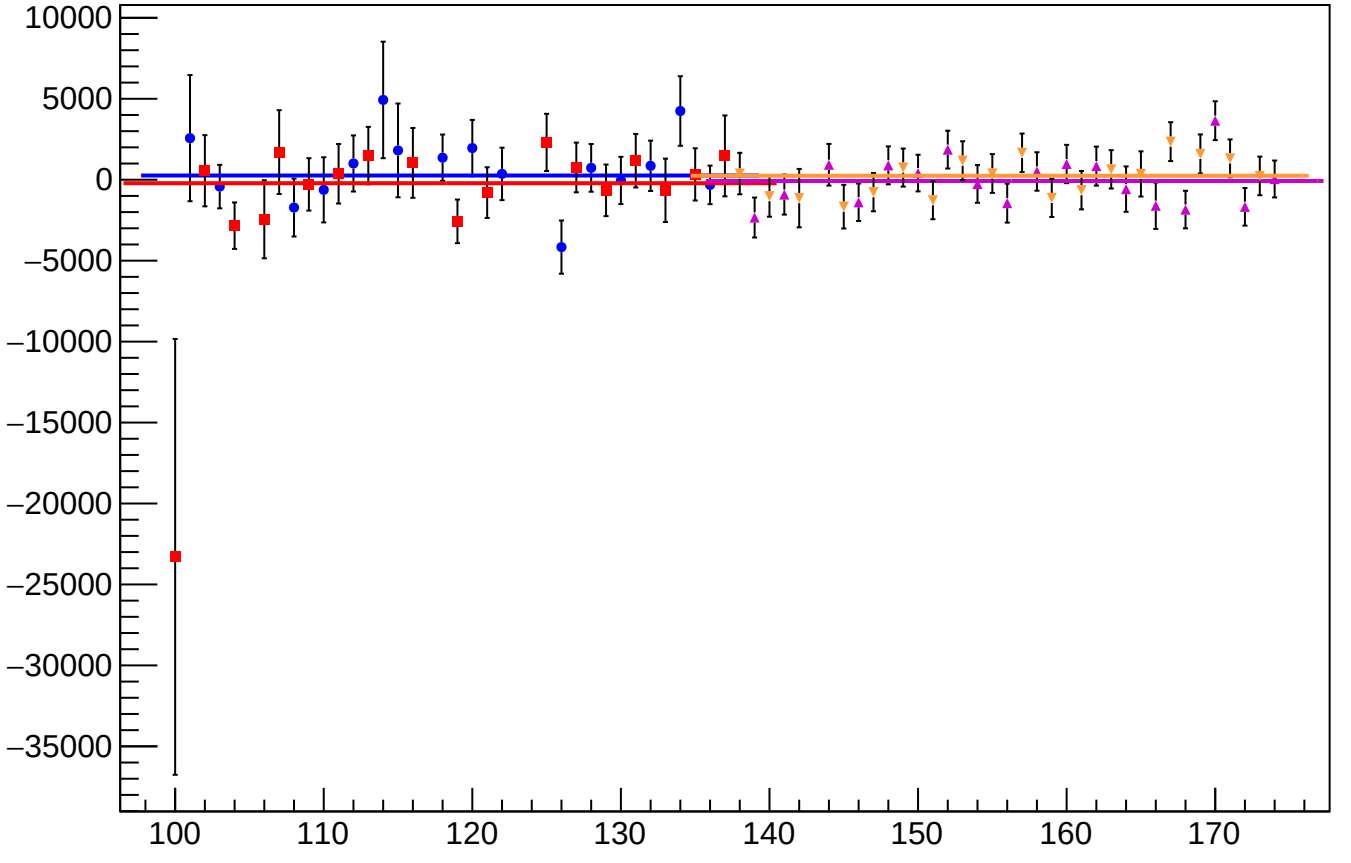
Left In: 446.530+/-0.083 χ^2/NDF:728551.0/17

+ sign 428.783+/-0.068 χ^2/NDF: 2582700.9/33

All: 426.700+/-0.047 χ^2/NDF: 5263108.0/69

- 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: 244.753+/-290.829 χ^2/NDF:15.4/17

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

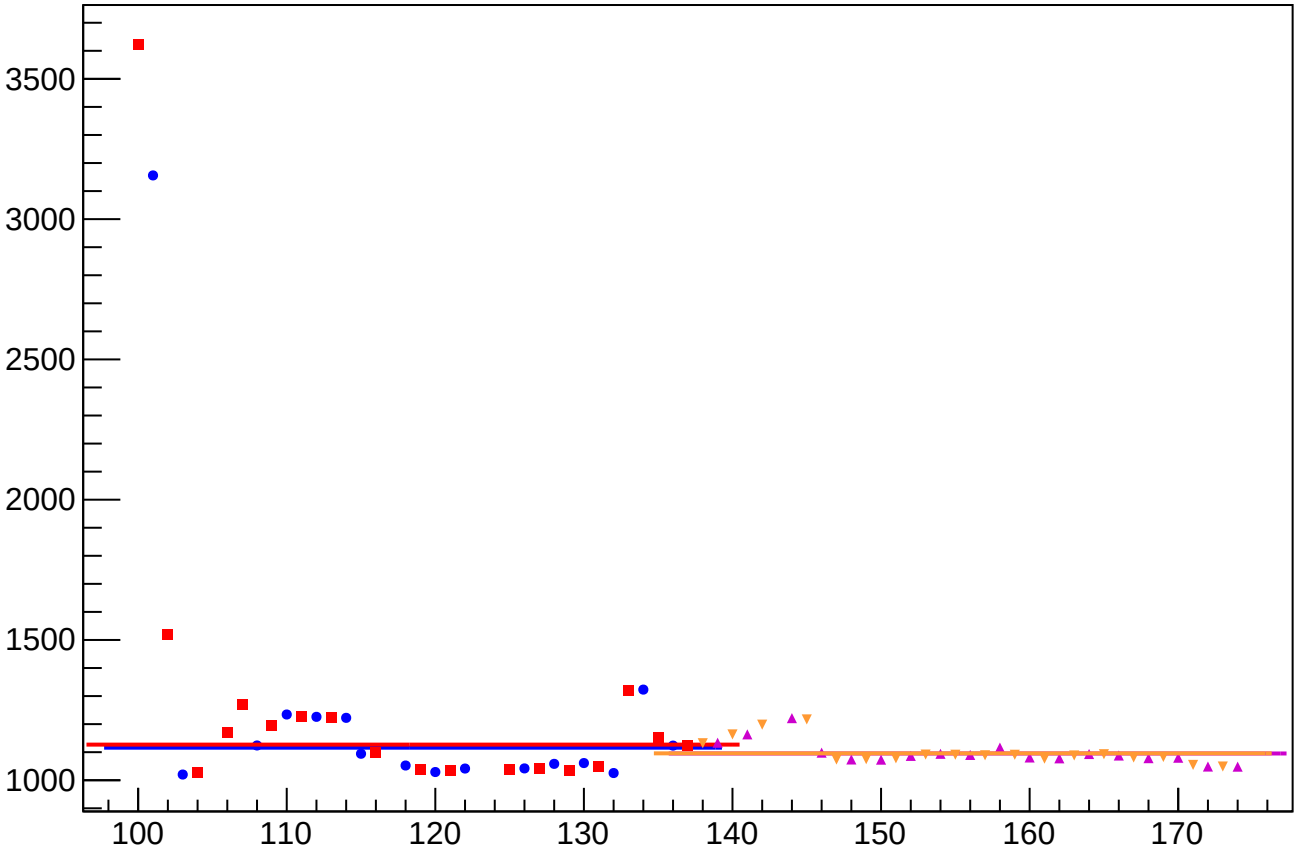
Left In: -77.438+/-284.122 χ^2/NDF:27.3/17

+ sign 249.753+/-239.951 χ^2/NDF: 32.3/33

All: 62.353+/-168.413 χ^2/NDF: 77.2/69

- 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: 1095.841+/-0.206 χ^2/NDF:38384.8/17

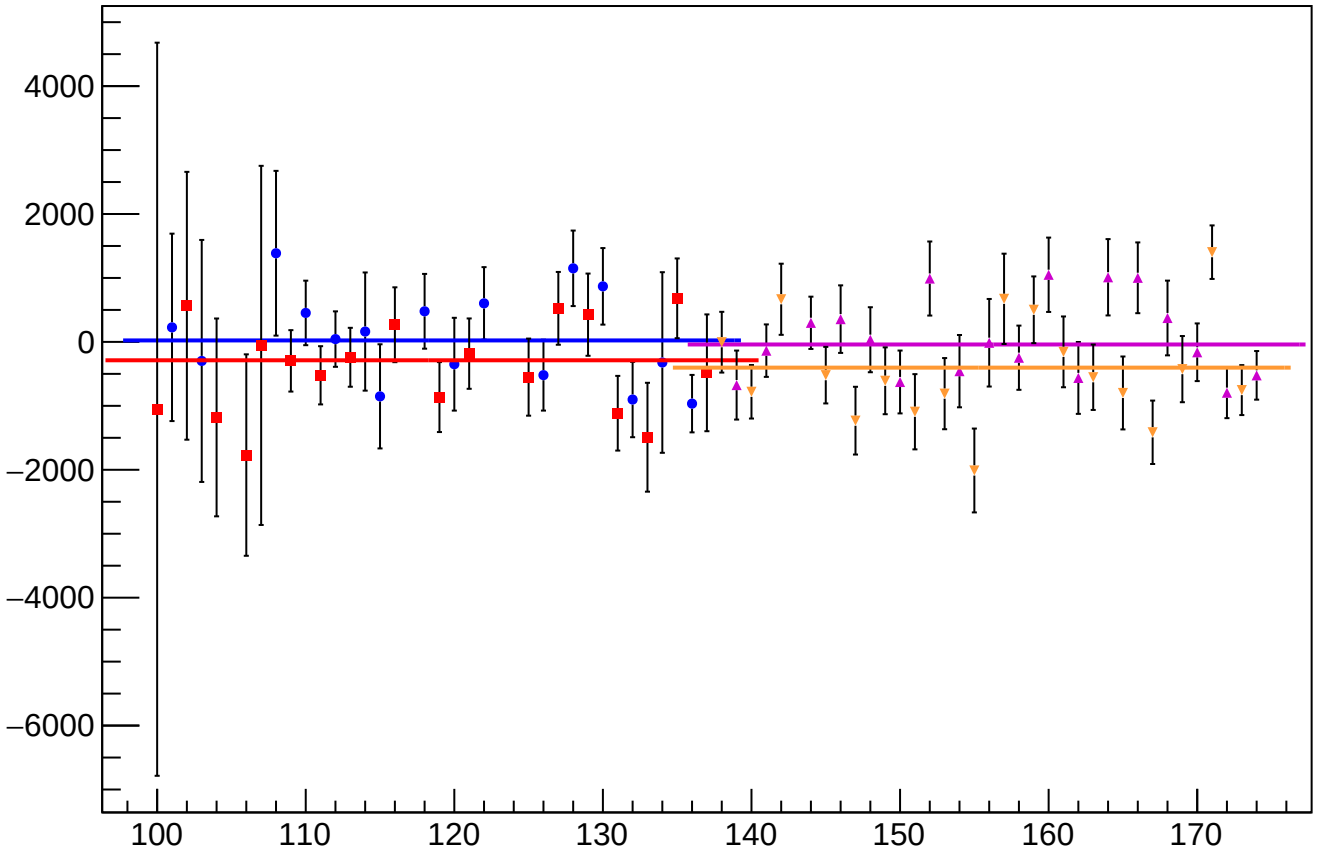
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1095.357+/-0.201 χ^2/NDF:37441.0/17

\+ sign 1102.306+/-0.170 χ^2/NDF: 664871.9/33

All: 1103.711+/-0.119 χ^2/NDF: 932798.1/69

\- 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: -402.607+/-119.465 χ^2/NDF:45.5/17

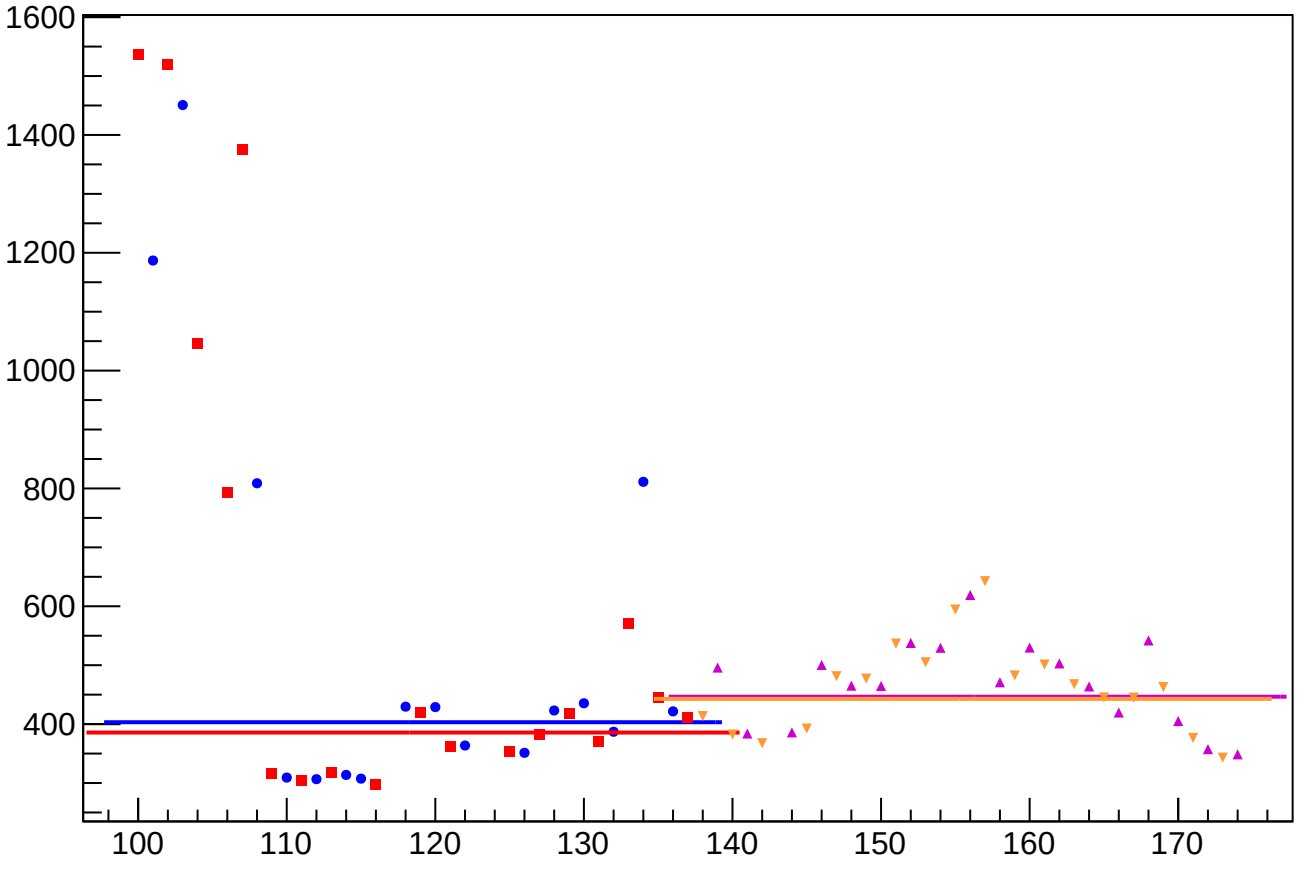
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -40.416+/-117.499 χ^2/NDF:24.8/17

+ sign -251.796+/-95.989 χ^2/NDF: 68.9/33

All: -189.425+/-67.124 χ^2/NDF: 109.9/69

- 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: 442.826+/-0.084 χ^2/NDF:696309.0/17

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

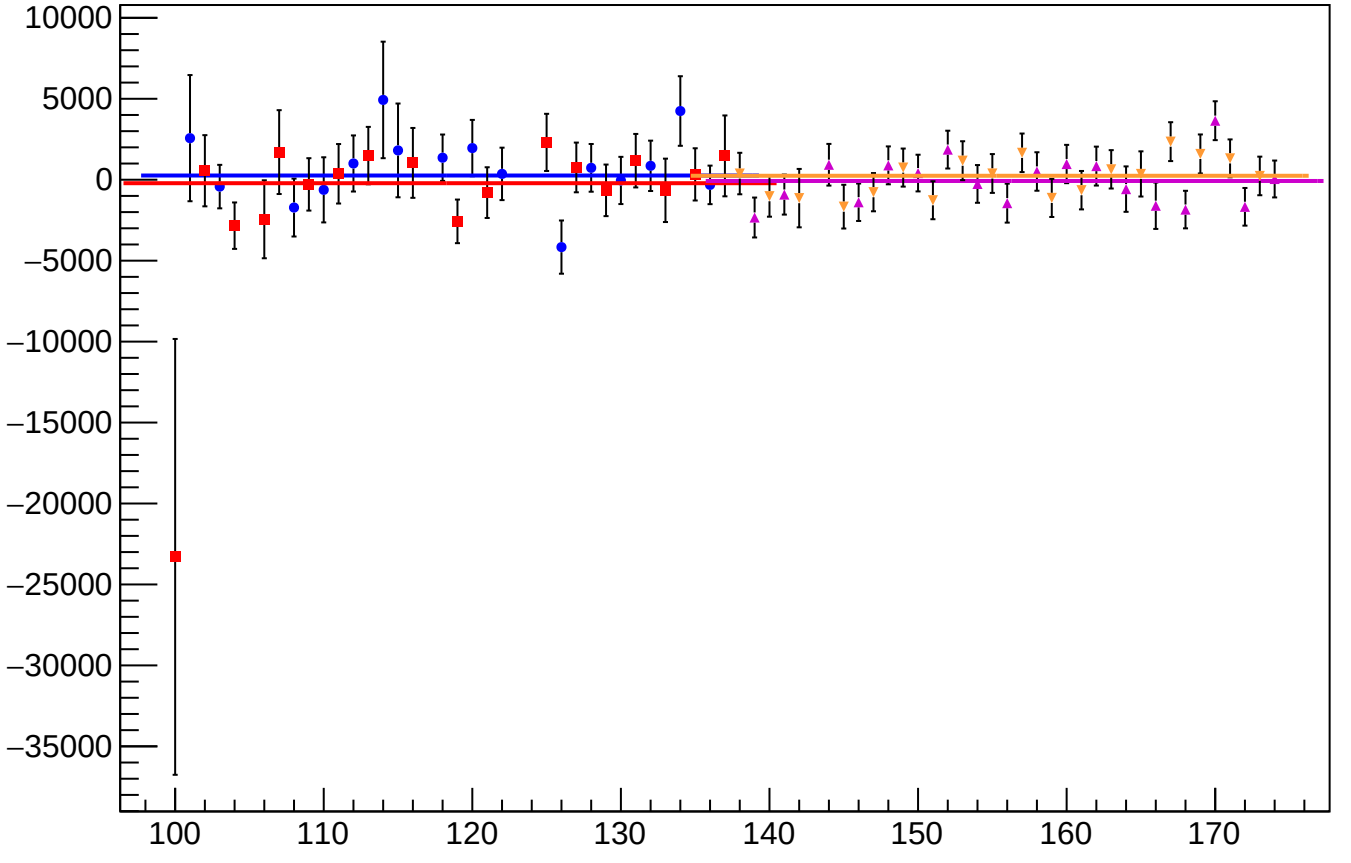
Left In: 446.532+/-0.083 χ^2/NDF:728430.3/17

+ sign 428.776+/-0.068 χ^2/NDF: 2586476.9/33

All: 426.614+/-0.047 χ^2/NDF: 5257868.9/69

- 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: 244.753+/-290.829 χ^2/NDF:15.4/17

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

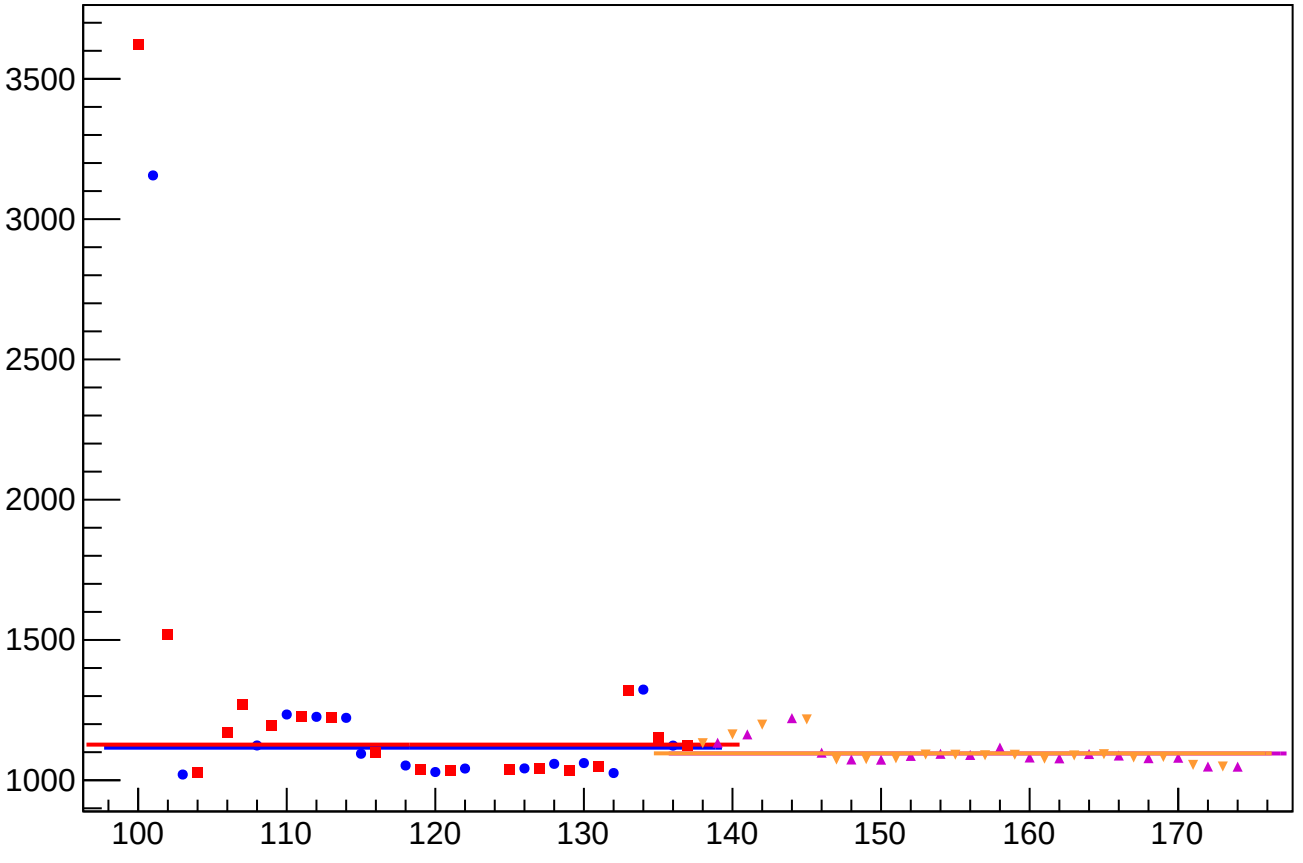
Left In: -77.438+/-284.122 χ^2/NDF:27.3/17

+ sign 249.753+/-239.951 χ^2/NDF: 32.3/33

All: 62.353+/-168.413 χ^2/NDF: 77.2/69

- 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: 1095.841+/-0.206 χ^2/NDF:38384.8/17

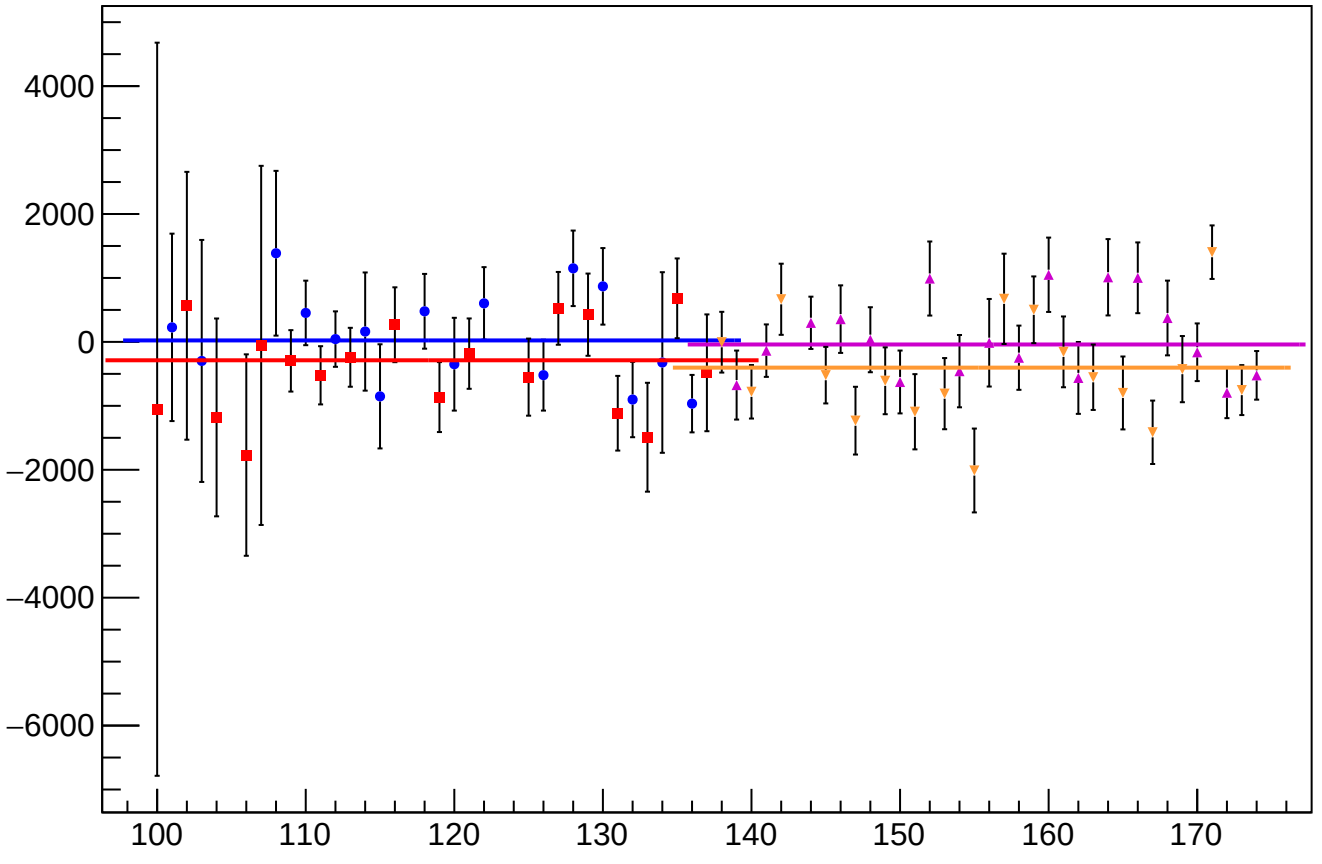
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1095.357+/-0.201 χ^2/NDF:37441.0/17

+ sign 1102.306+/-0.170 χ^2/NDF: 664871.9/33

All: 1103.711+/-0.119 χ^2/NDF: 932798.1/69

- 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: -402.607+/-119.465 χ^2/NDF:45.5/17

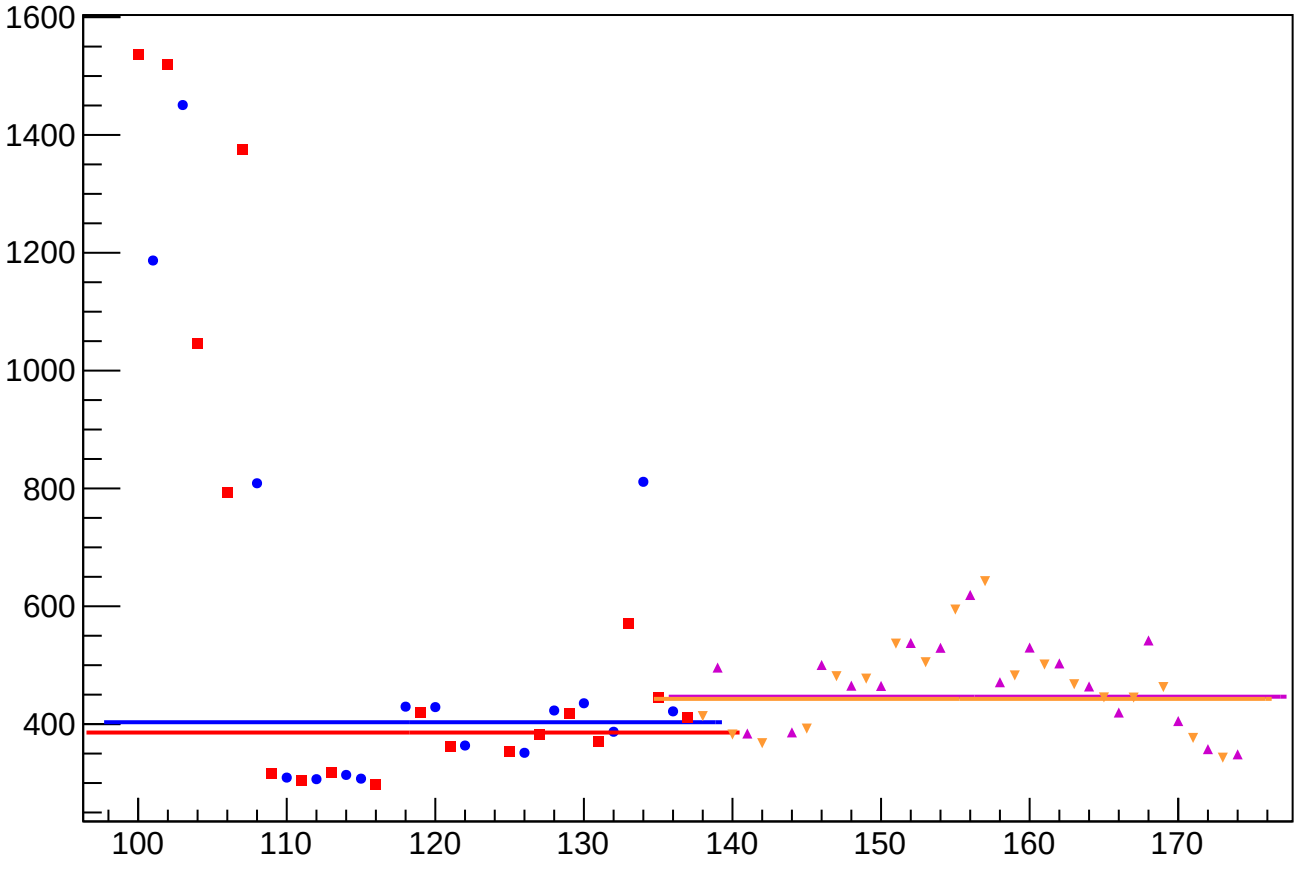
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -40.416+/-117.499 χ^2/NDF:24.8/17

+ sign -251.796+/-95.989 χ^2/NDF: 68.9/33

All: -189.425+/-67.124 χ^2/NDF: 109.9/69

- 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: 442.826+/-0.084 χ^2/NDF:696309.0/17

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

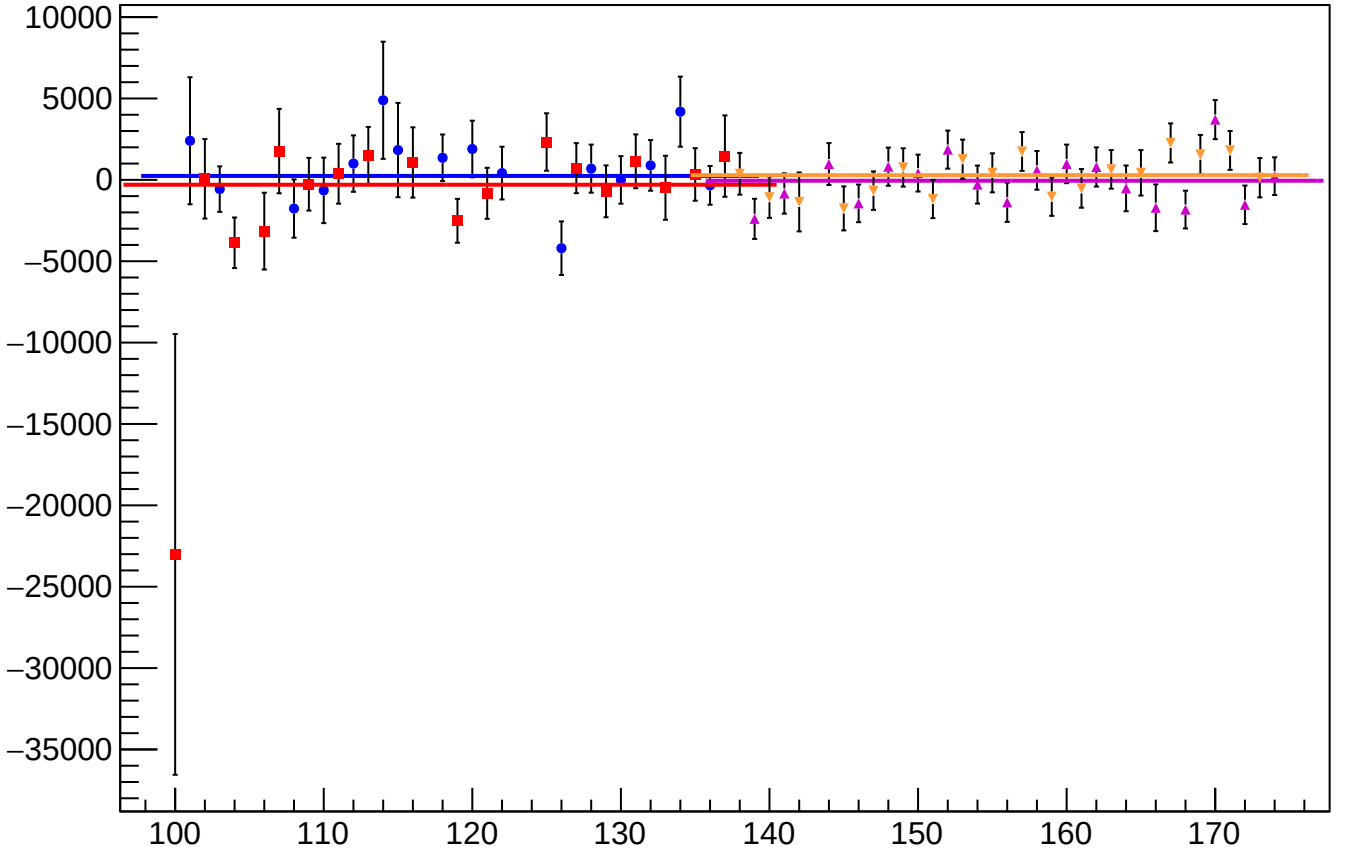
Left In: 446.532+/-0.083 χ^2/NDF:728430.3/17

+ sign 428.776+/-0.068 χ^2/NDF: 2586476.9/33

All: 426.614+/-0.047 χ^2/NDF: 5257868.9/69

- 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: 287.613+/-291.686 χ^2/NDF:16.1/17

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

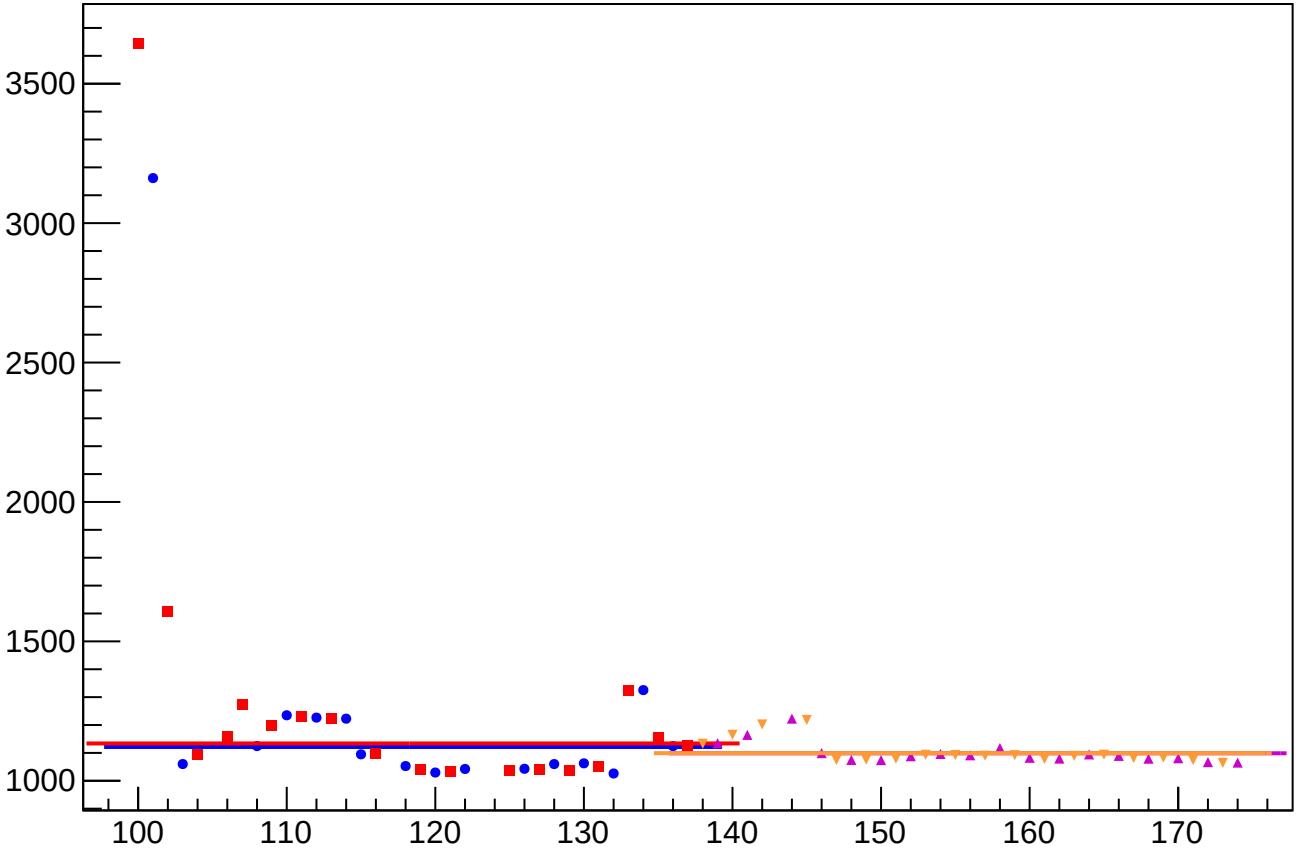
Left In: -53.808+/-284.953 χ^2/NDF:27.4/17

+ sign 272.708+/-240.782 χ^2/NDF: 33.0/33

All: 69.528+/-169.144 χ^2/NDF: 80.8/69

- 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: 1099.128+/-0.206 χ^2/NDF:35319.2/17

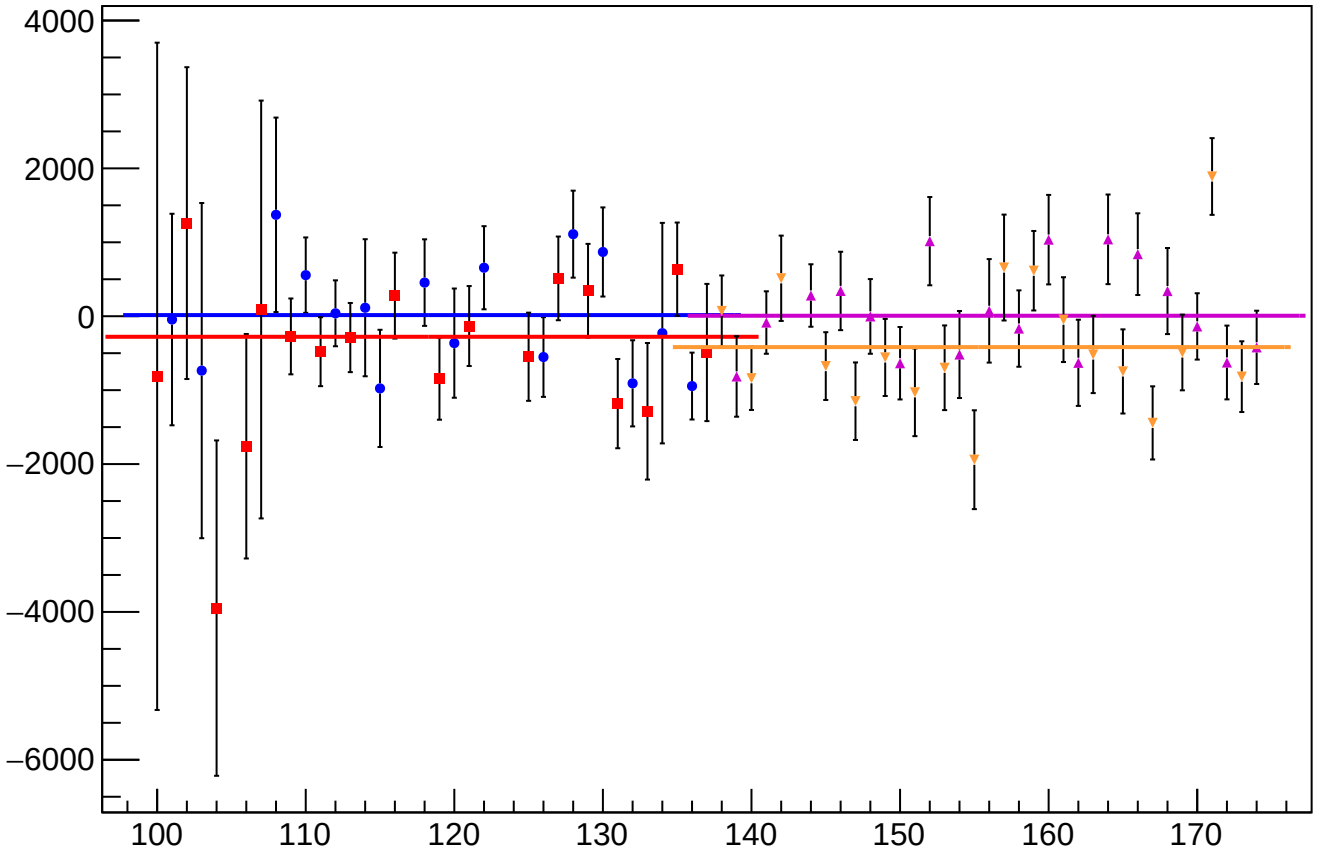
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1098.626+/-0.201 χ^2/NDF:33564.0/17

+ sign 1106.190+/-0.170 χ^2/NDF: 656027.0/33

All: 1107.802+/-0.120 χ^2/NDF: 926569.2/69

- 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: -417.727+/-124.834 χ^2/NDF:45.0/17

Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

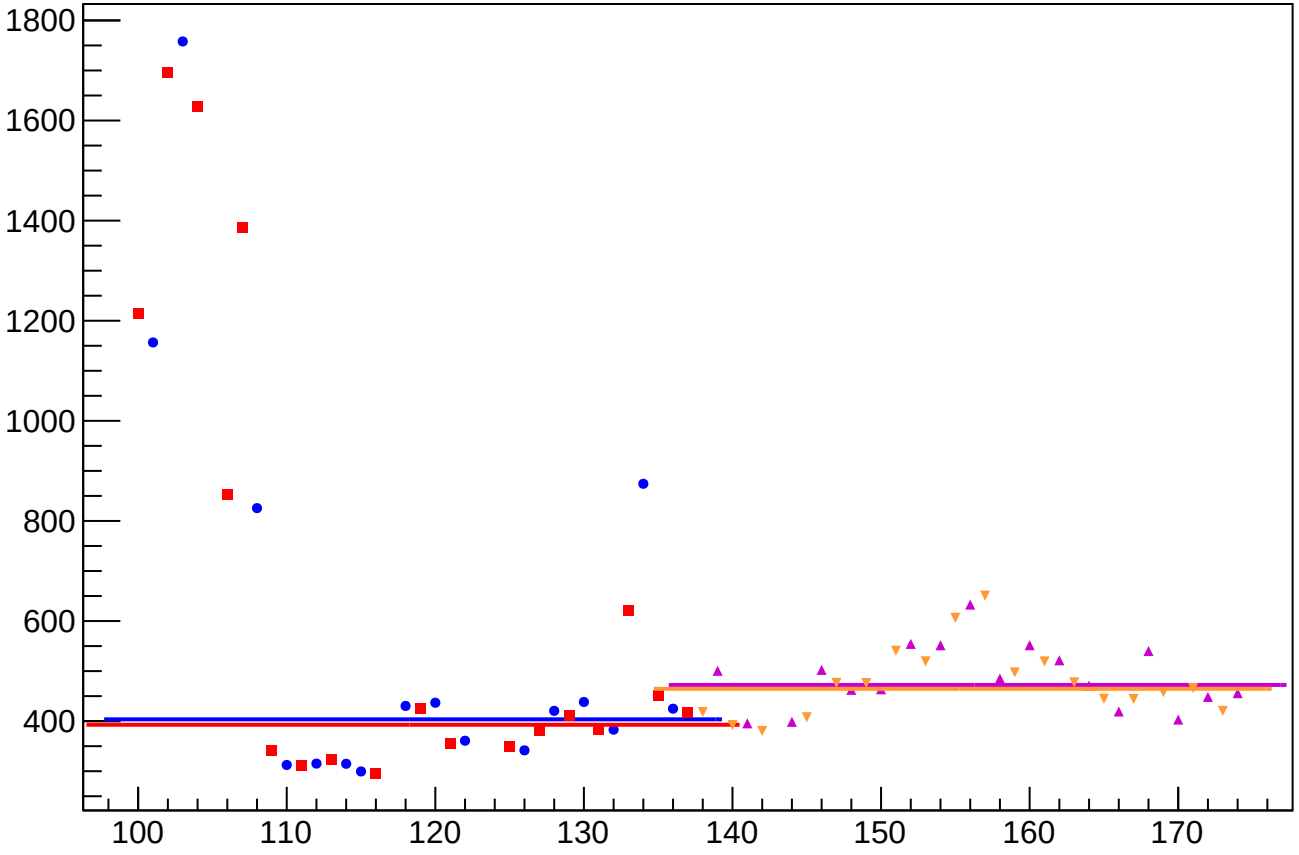
Left In: 6.444+/-123.692 χ^2/NDF:20.7/17

\+ sign -256.205+/-98.847 χ^2/NDF: 69.1/33

All: -177.627+/-69.446 χ^2/NDF: 108.1/69

\- 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: 464.588+/-0.088 χ^2/NDF:477723.1/17

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

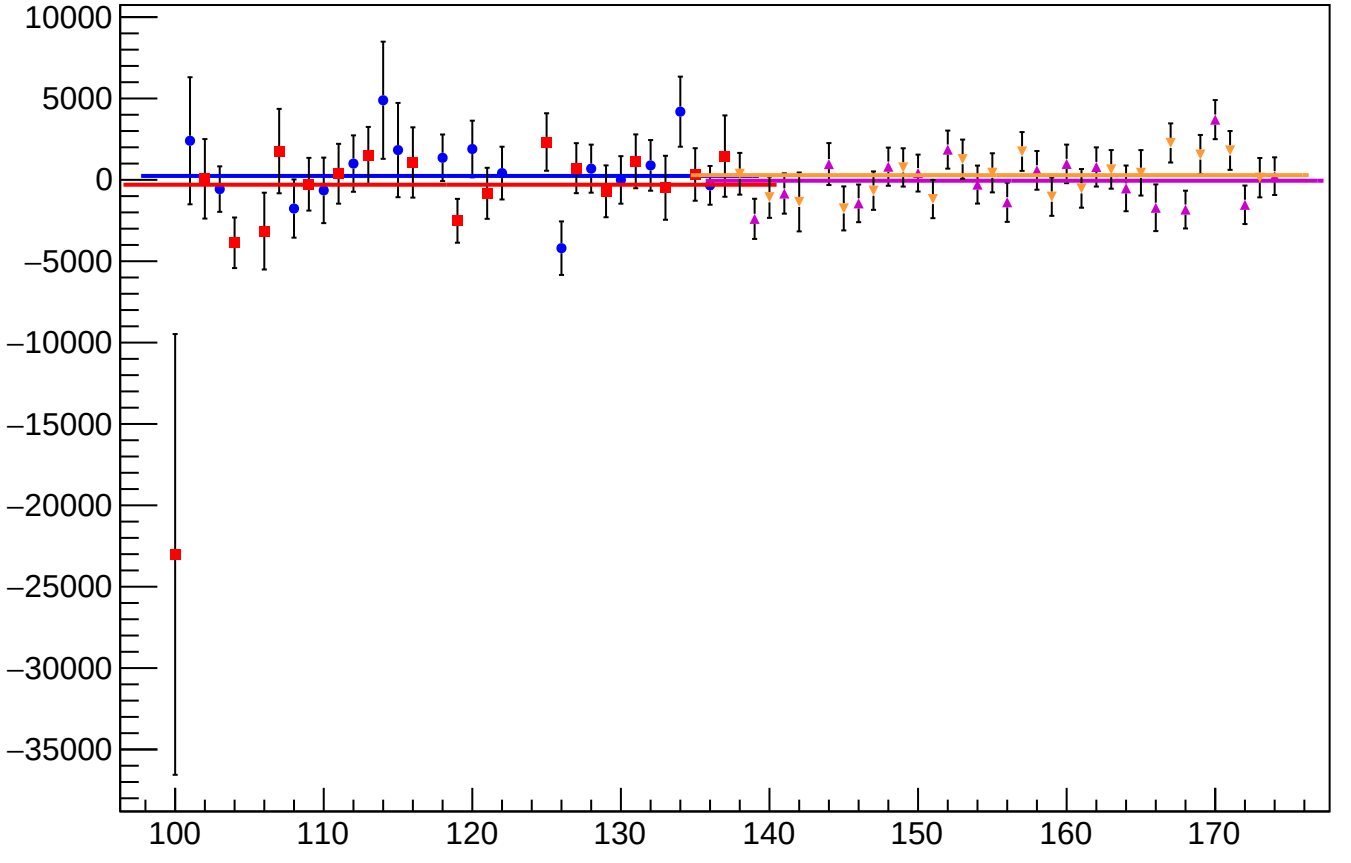
Left In: 472.351+/-0.087 χ^2/NDF:468919.2/17

+ sign 441.860+/-0.070 χ^2/NDF: 2585062.1/33

All: 442.096+/-0.049 χ^2/NDF: 5569615.2/69

- sign 442.326+/-0.069 χ^2/NDF: 2984530.6/35

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 287.609+/-291.686 χ^2/NDF:16.1/17

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

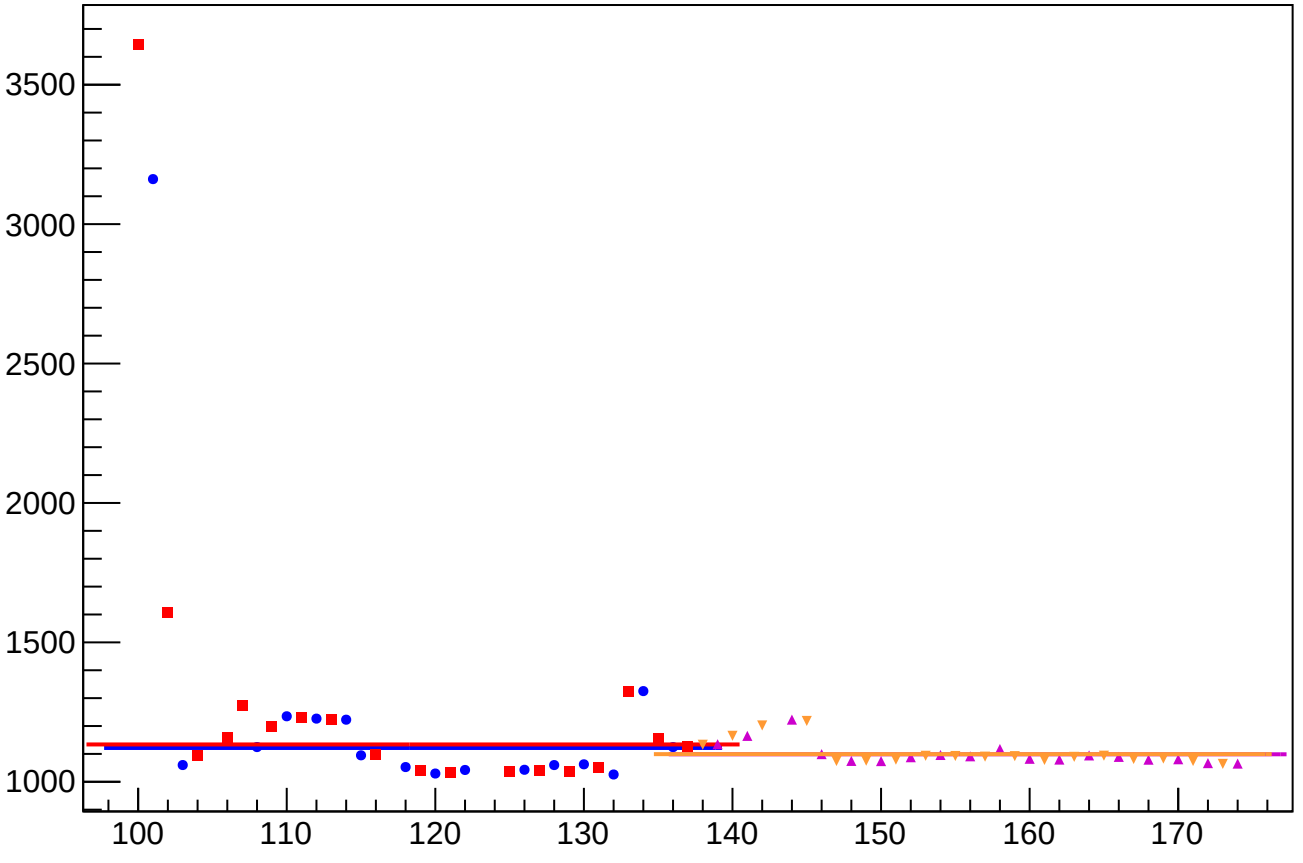
Left In: -53.809+/-284.953 χ^2/NDF:27.4/17

+ sign 272.706+/-240.782 χ^2/NDF: 33.0/33

All: 69.527+/-169.144 χ^2/NDF: 80.8/69

- 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: 1099.128+/-0.206 χ^2/NDF:35319.4/17

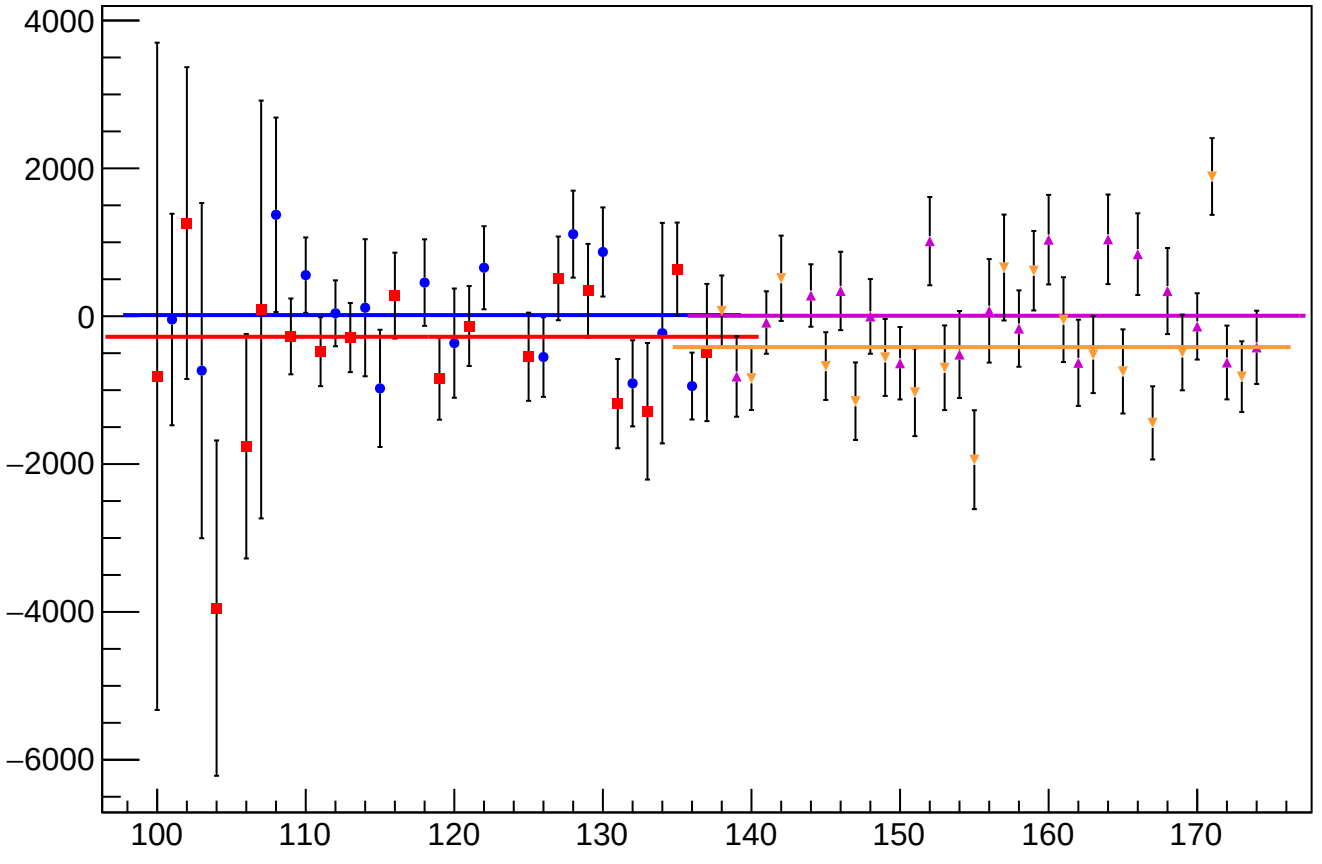
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1098.626+/-0.201 χ^2/NDF:33564.2/17

+ sign 1106.190+/-0.170 χ^2/NDF: 656027.3/33

All: 1107.801+/-0.120 χ^2/NDF: 926569.9/69

- 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: -417.728+/-124.834 χ^2/NDF:45.0/17

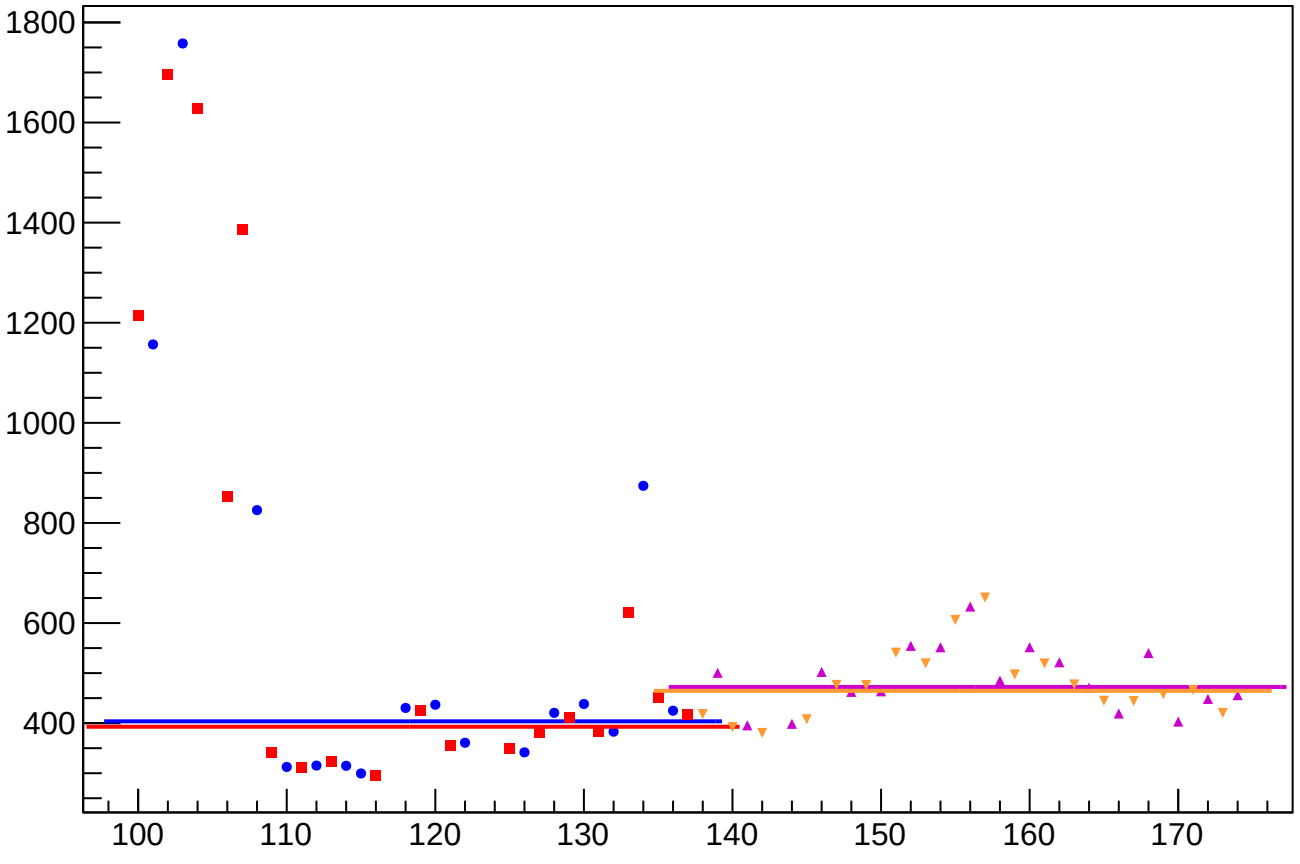
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 6.443+/-123.692 χ^2/NDF:20.7/17

+ sign -256.206+/-98.846 χ^2/NDF: 69.1/33

All: -177.628+/-69.446 χ^2/NDF: 108.1/69

- 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: 464.588+/-0.088 χ^2/NDF:477747.9/17

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

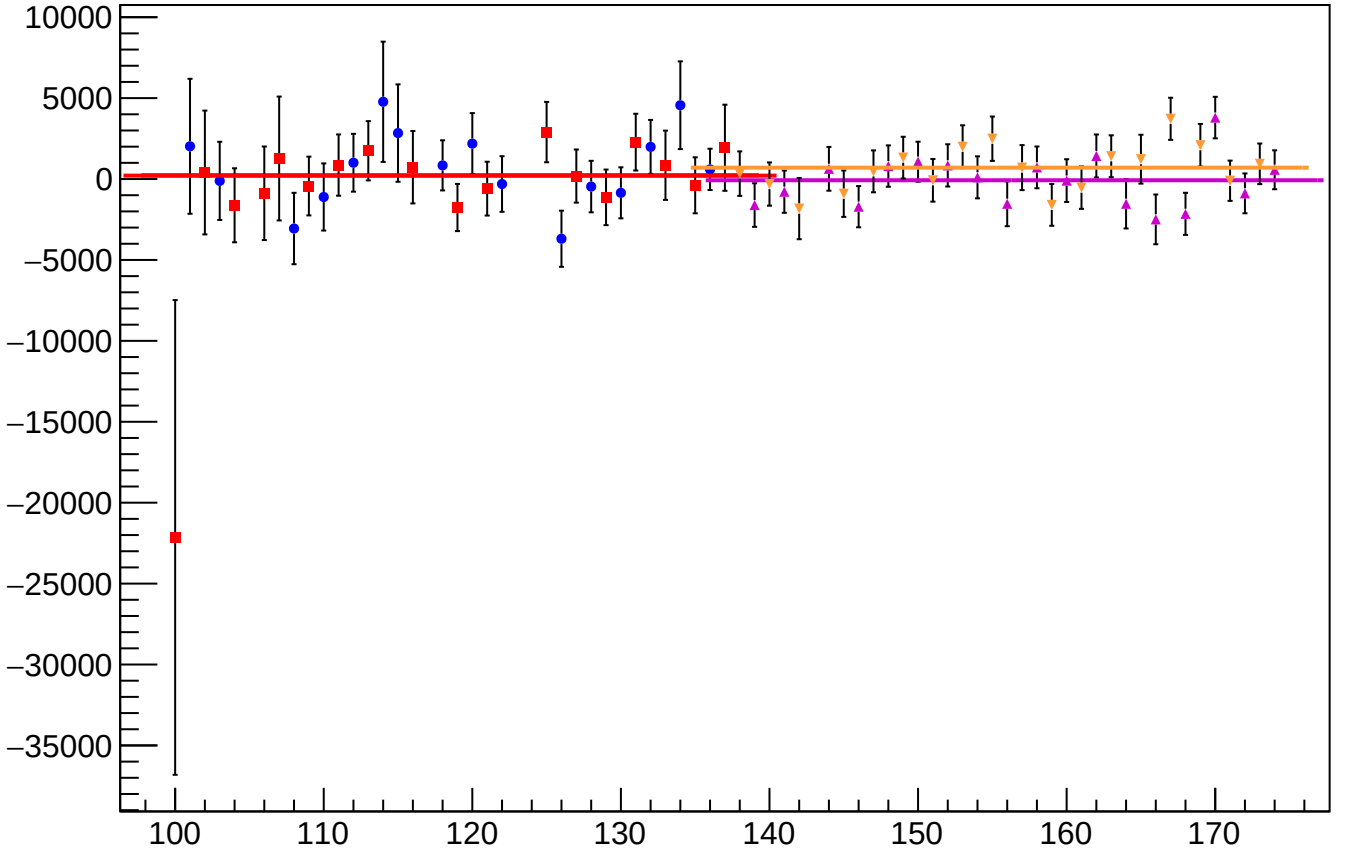
Left In: 472.352+/-0.087 χ^2/NDF:468930.9/17

+ sign 441.858+/-0.070 χ^2/NDF: 2585101.5/33

All: 442.095+/-0.049 χ^2/NDF: 5569703.6/69

- 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: 701.527+/-317.555 χ^2/NDF:18.4/17

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

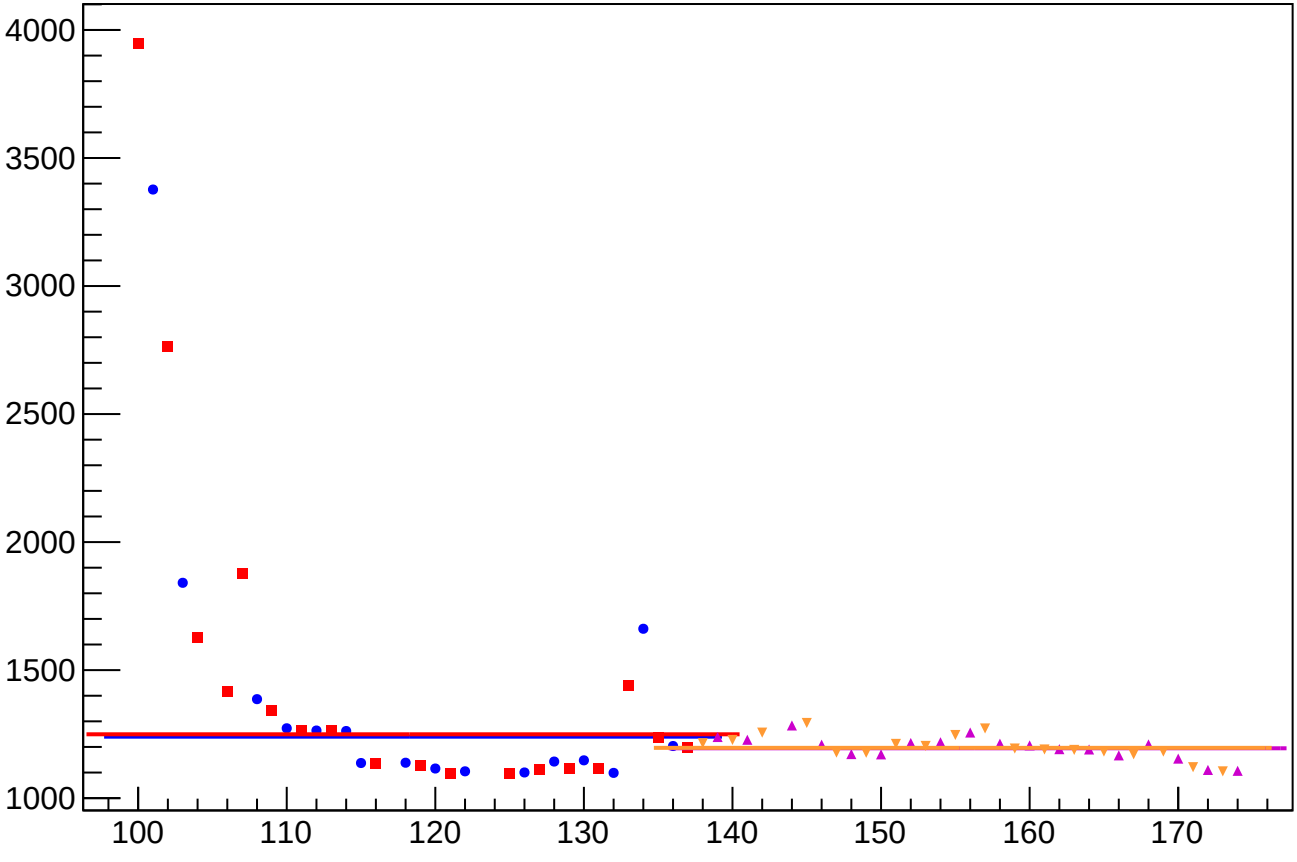
Left In: -75.242+/-309.943 χ^2/NDF:23.9/17

+ sign 554.088+/-263.918 χ^2/NDF: 35.2/33

All: 277.580+/-185.228 χ^2/NDF: 72.5/69

- 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: 1196.446+/-0.225 χ^2/NDF:41771.7/17

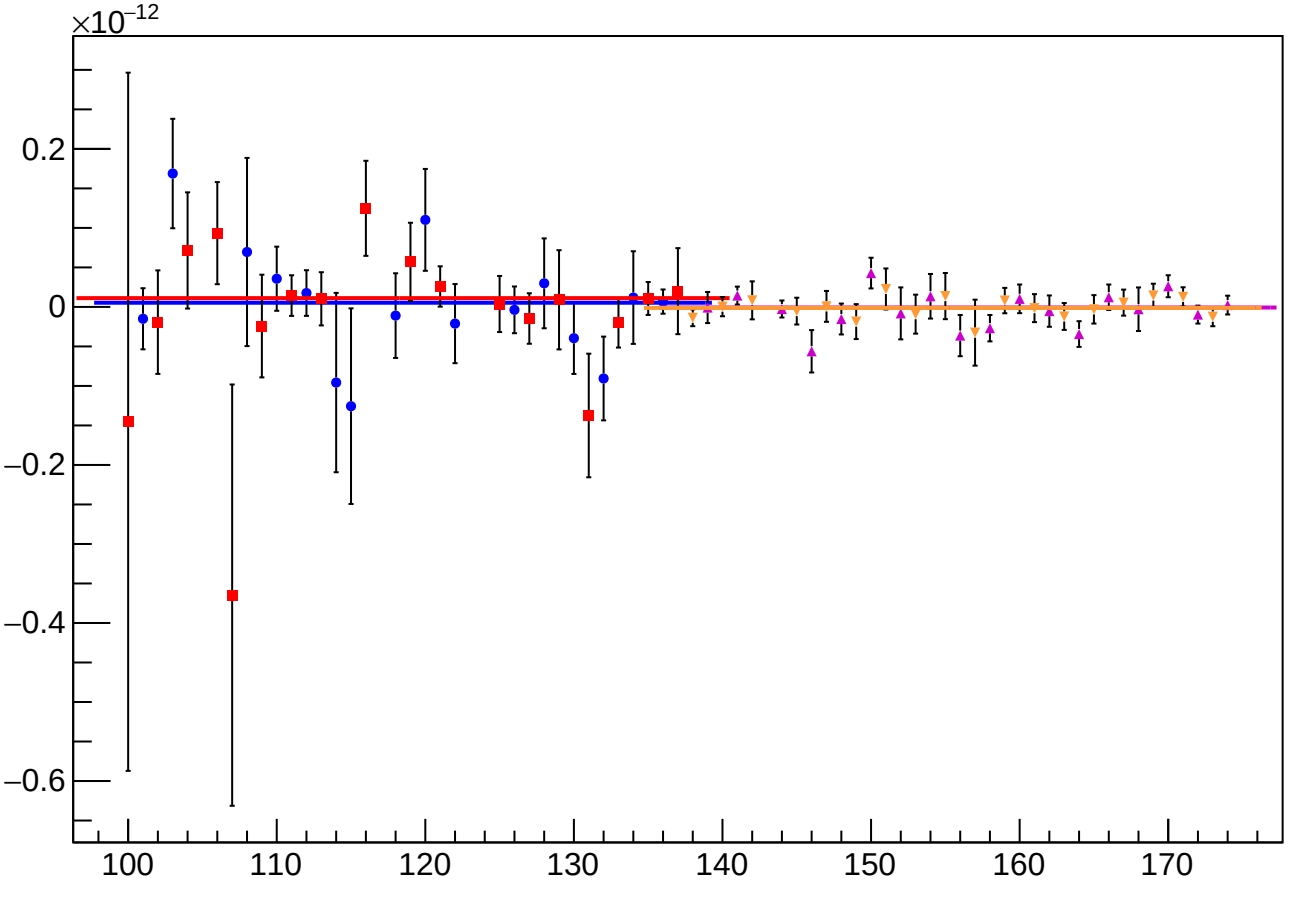
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1194.750+/-0.219 χ^2/NDF:42430.8/17

+ sign 1209.960+/-0.187 χ^2/NDF: 836162.5/33

All: 1210.456+/-0.131 χ^2/NDF: 1503127.8/69

- 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:8.2/17

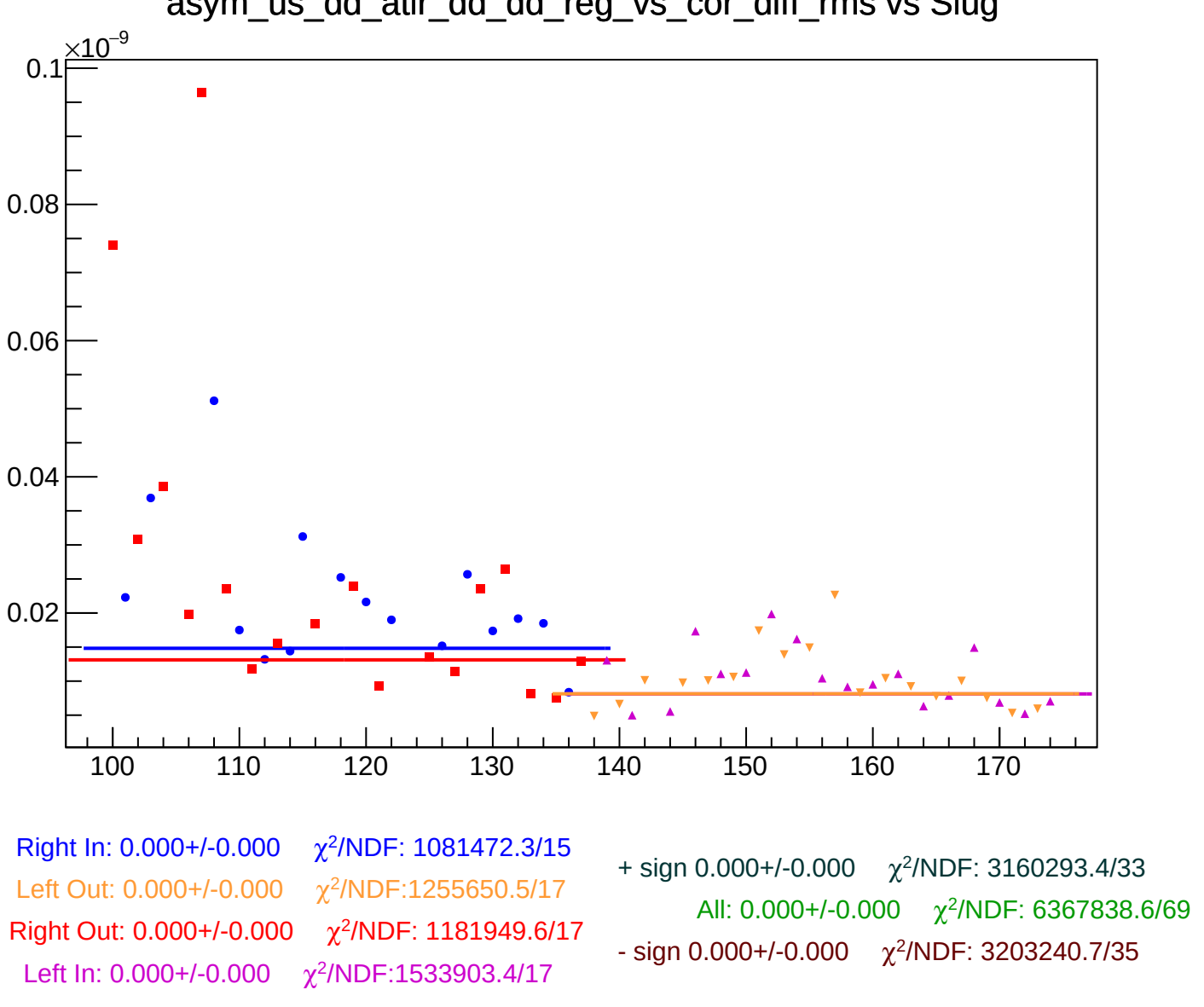
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

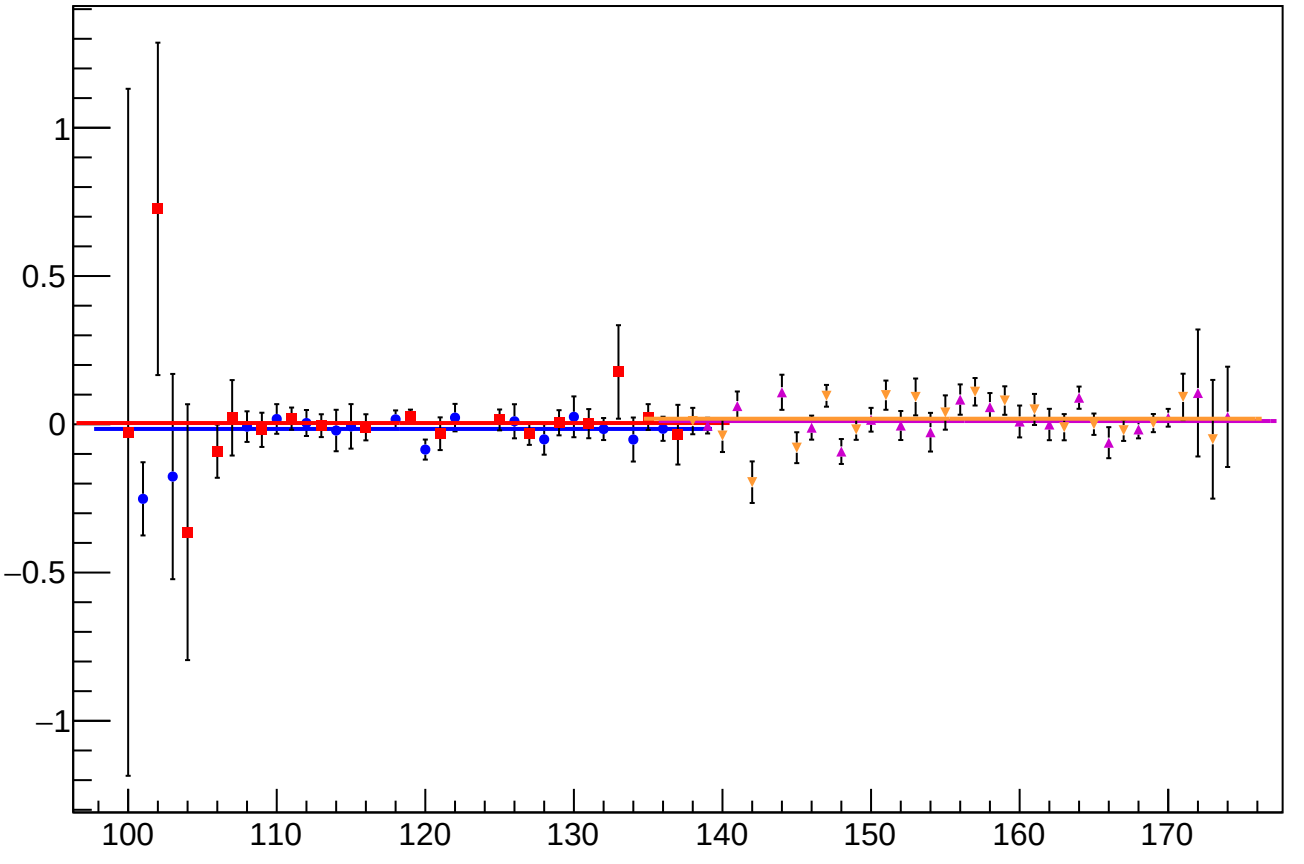
Left In: -0.000+/-0.000 χ^2/NDF:26.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 25.0/33

All: 0.000+/-0.000 χ^2/NDF: 67.5/69

- sign 0.000+/-0.000 χ^2/NDF: 42.5/35


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1081472.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1255650.5/17
Right Out: 0.000+/-0.000 χ²/NDF: 1181949.6/17
Left In: 0.000+/-0.000 χ²/NDF:1533903.4/17
+ sign 0.000+/-0.000 χ²/NDF: 3160293.4/33
All: 0.000+/-0.000 χ²/NDF: 6367838.6/69
- sign 0.000+/-0.000 χ²/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:32.5/17

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

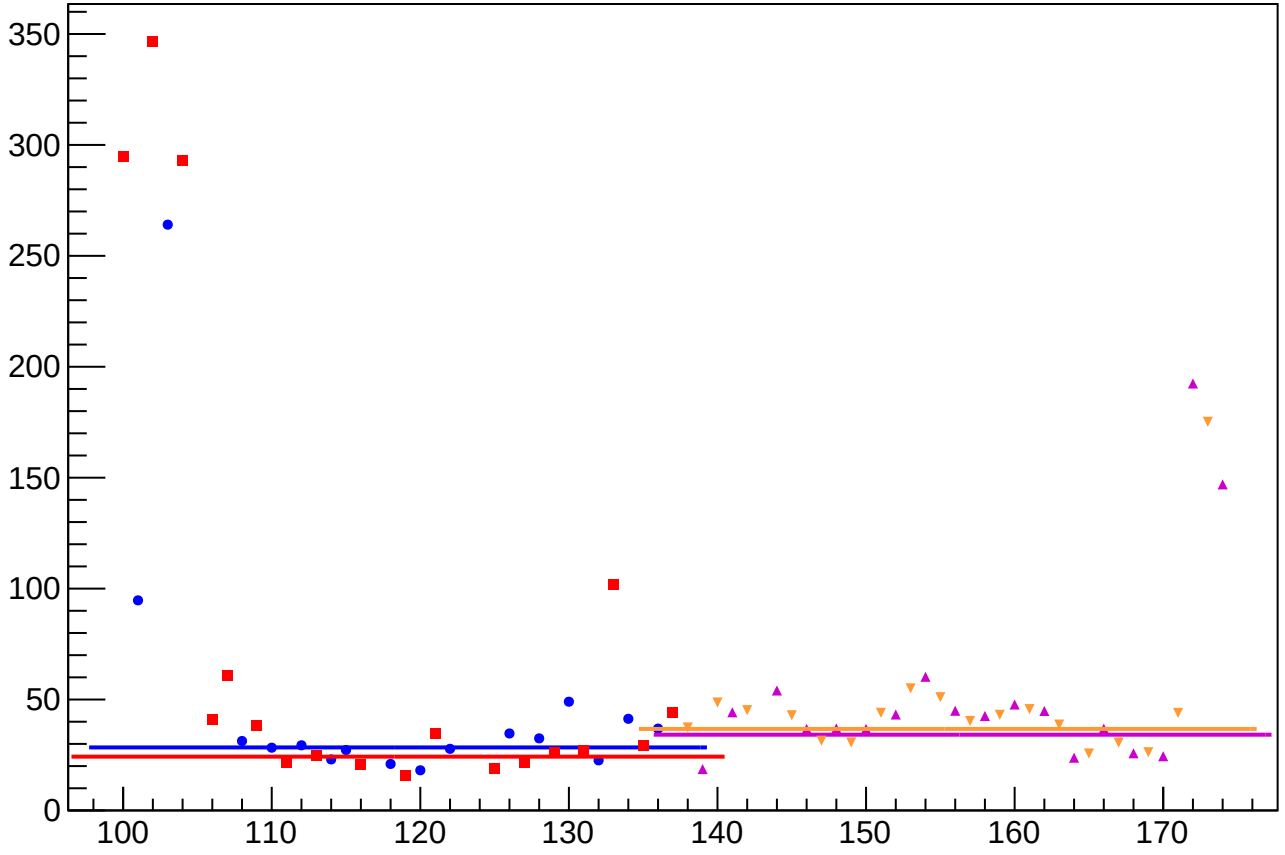
Left In: 0.011+/-0.010 χ^2/NDF:21.4/17

+ sign 0.004+/-0.008 χ^2/NDF: 48.8/33

All: 0.006+/-0.006 χ^2/NDF: 78.4/69

- 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: 36.757+/-0.008 χ^2/NDF:2158403.2/17

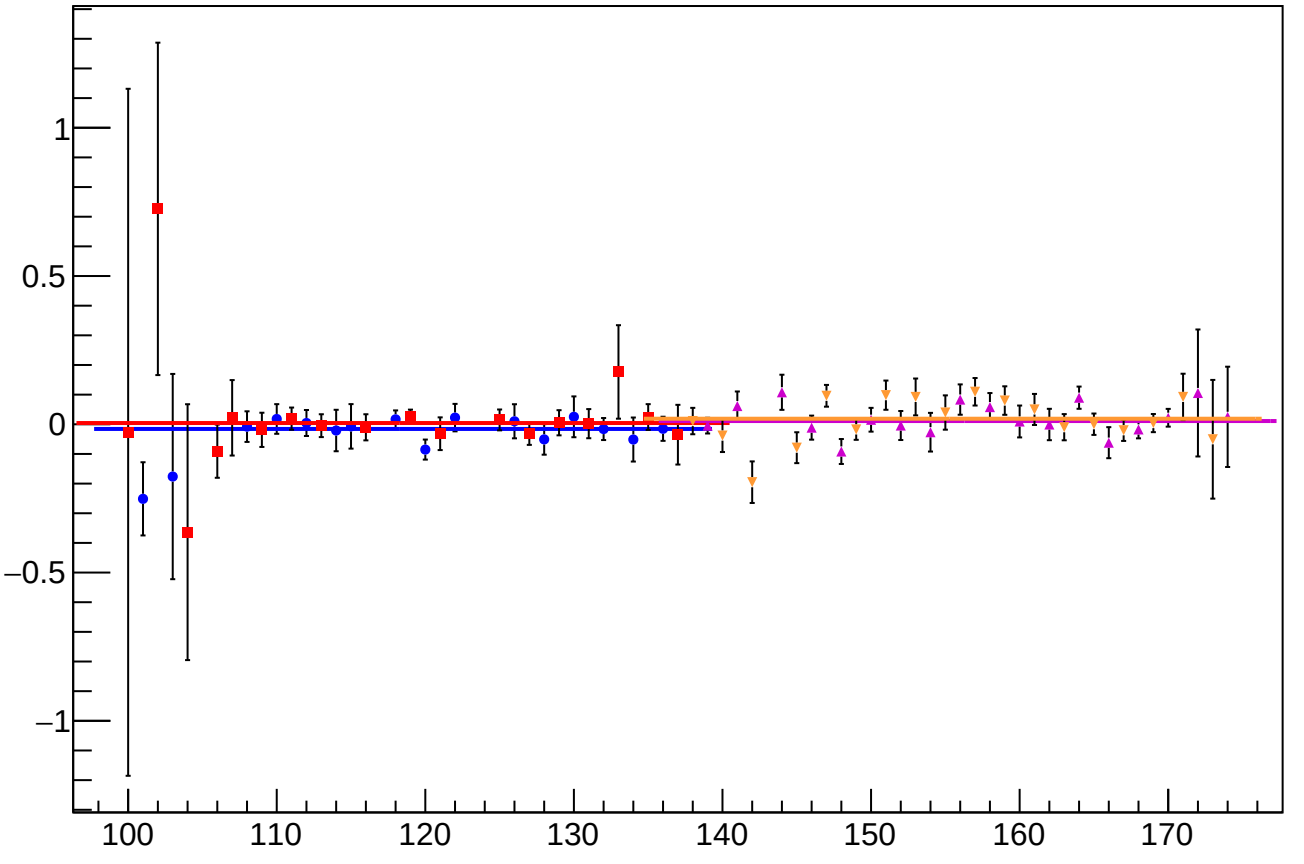
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.152+/-0.007 χ^2/NDF:4278394.1/17

+ sign 33.108+/-0.006 χ^2/NDF: 4921629.5/33

All: 31.313+/-0.004 χ^2/NDF: 13124648.5/69

- 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:32.5/17

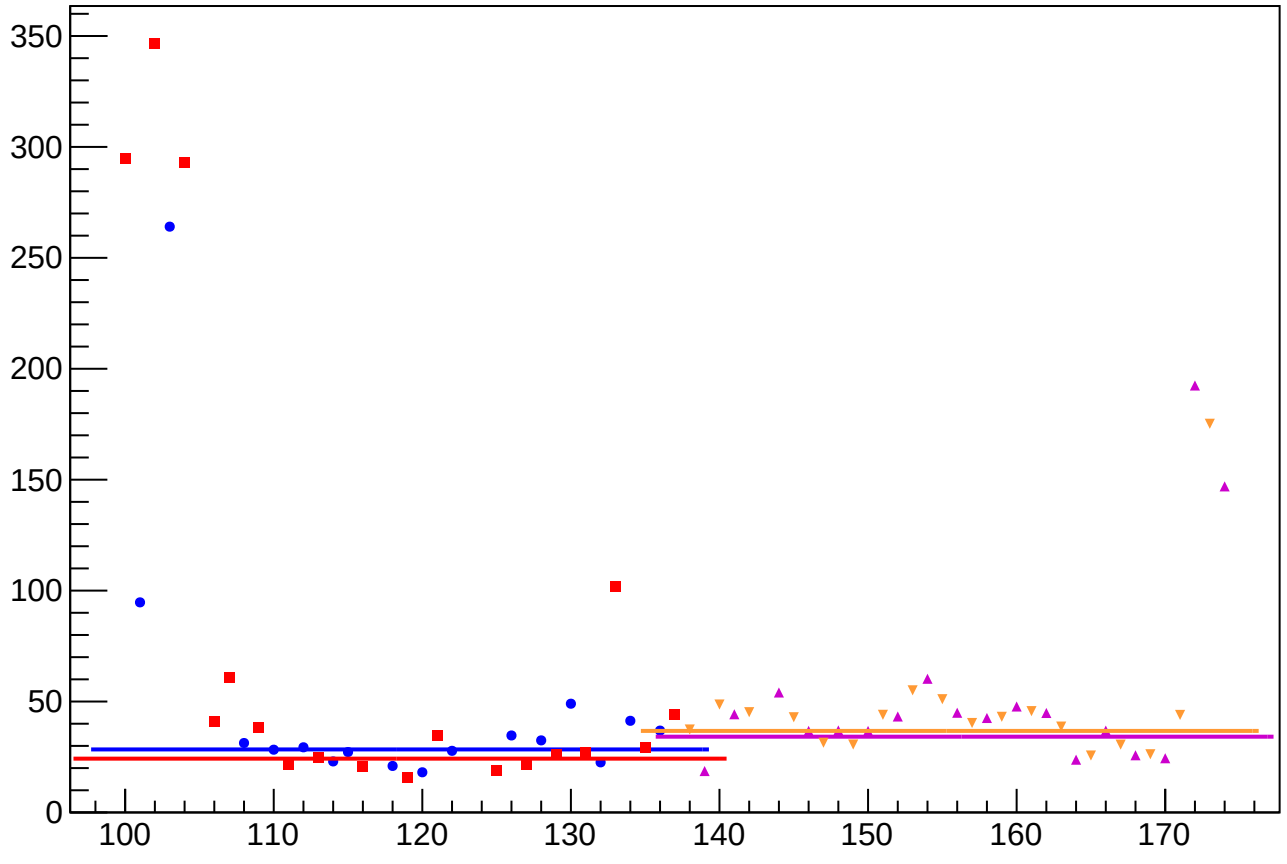
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.4/17

+ sign 0.004+/-0.008 χ^2/NDF: 48.8/33

All: 0.006+/-0.006 χ^2/NDF: 78.4/69

- 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: 36.757+/-0.008 χ^2/NDF:2158403.2/17

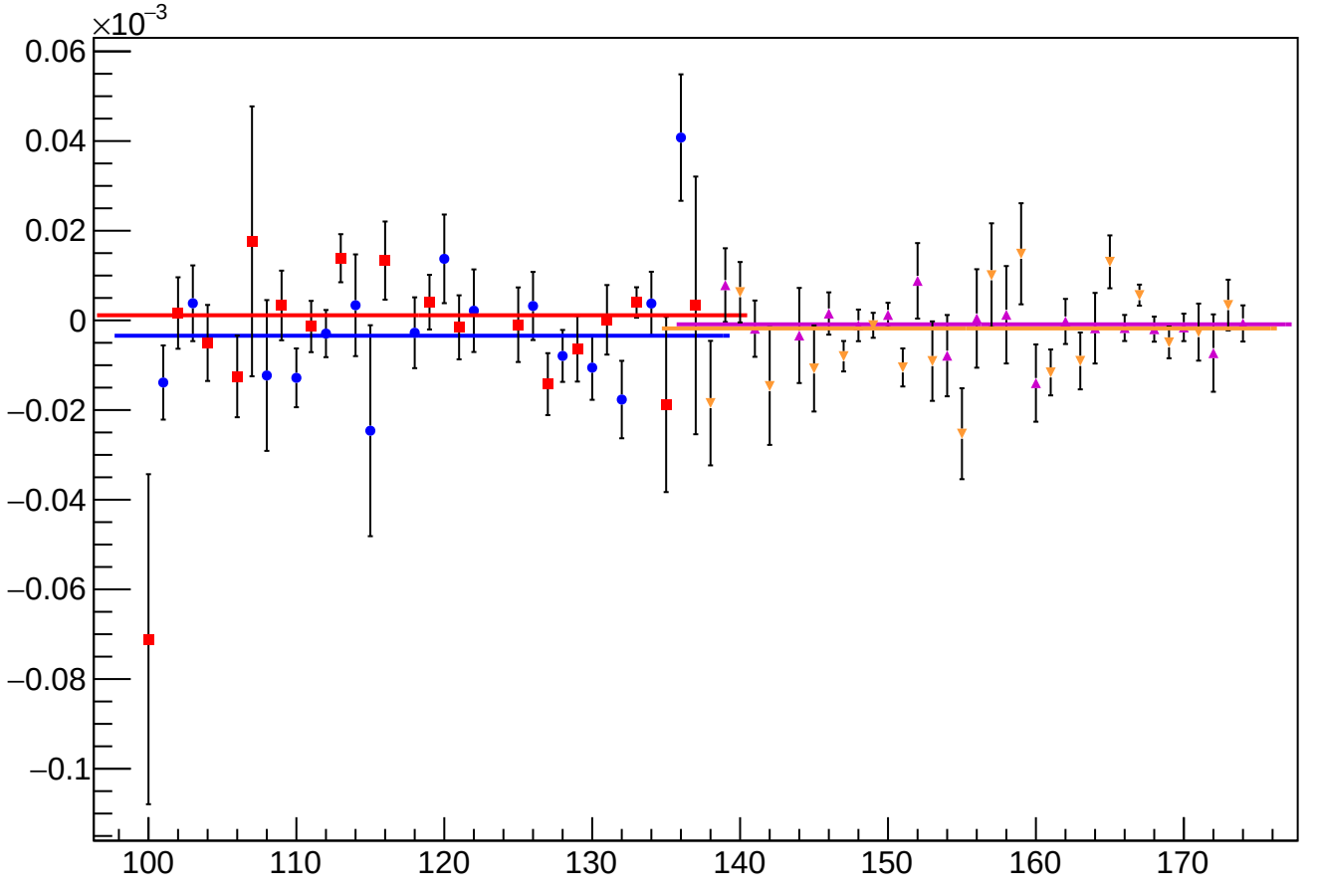
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.152+/-0.007 χ^2/NDF:4278394.1/17

+ sign 33.108+/-0.006 χ^2/NDF: 4921629.5/33

All: 31.313+/-0.004 χ^2/NDF: 13124648.5/69

- 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:44.6/17

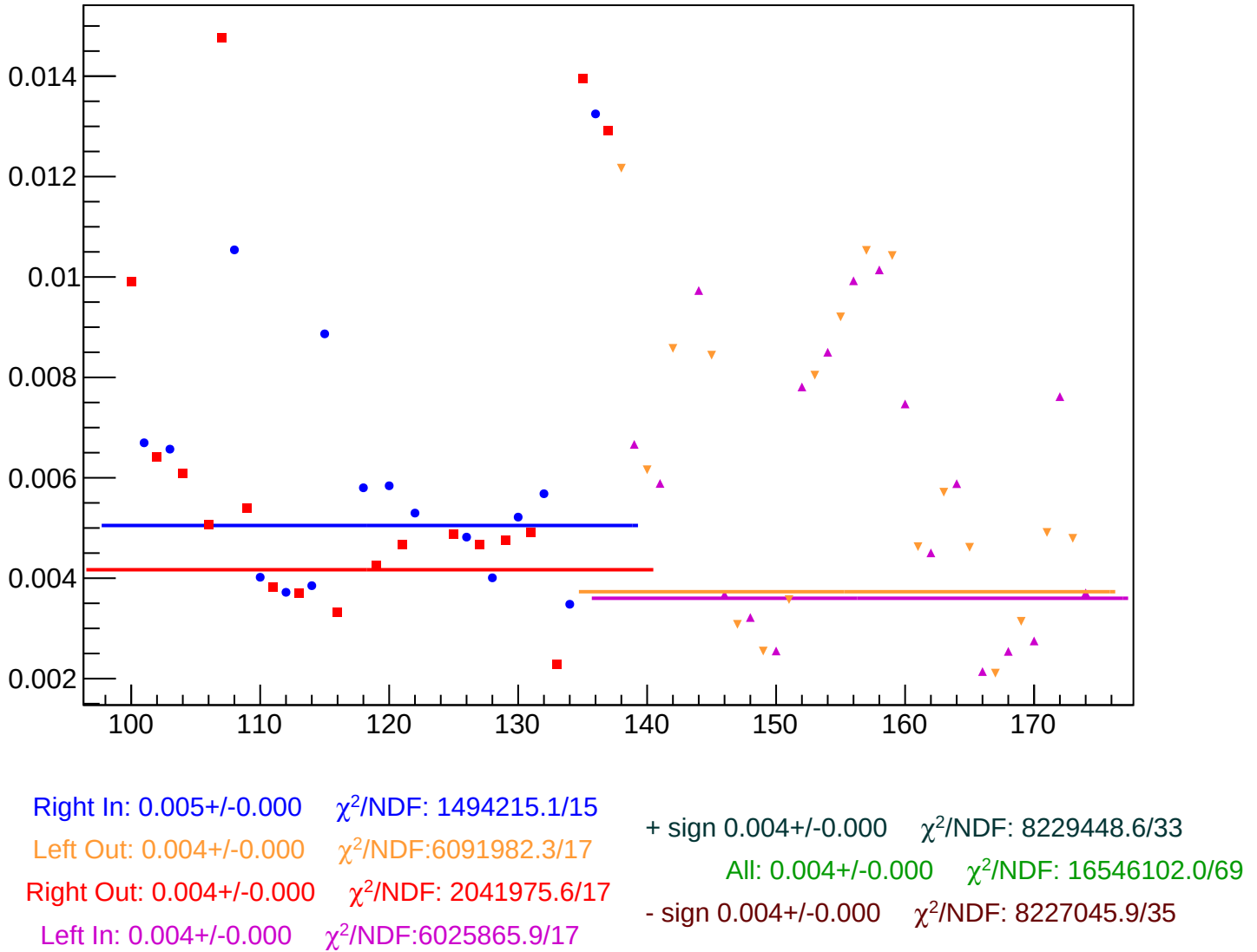
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

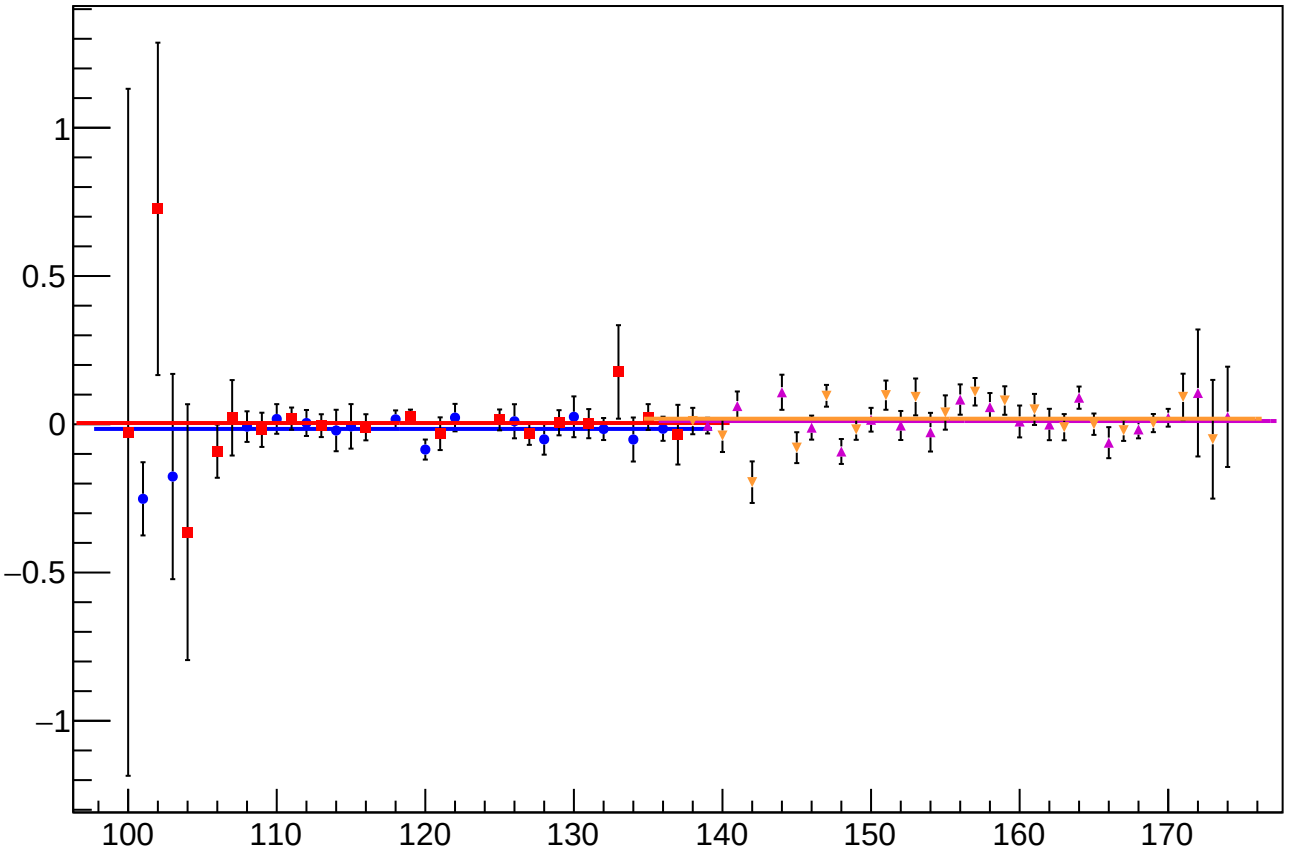
Left In: -0.000+/-0.000 χ^2/NDF:7.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 70.2/33

All: -0.000+/-0.000 χ^2/NDF: 103.4/69

- 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:6091982.3/17
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: 8229448.6/33
All: 0.004+/-0.000 χ²/NDF: 16546102.0/69
- 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:32.4/17

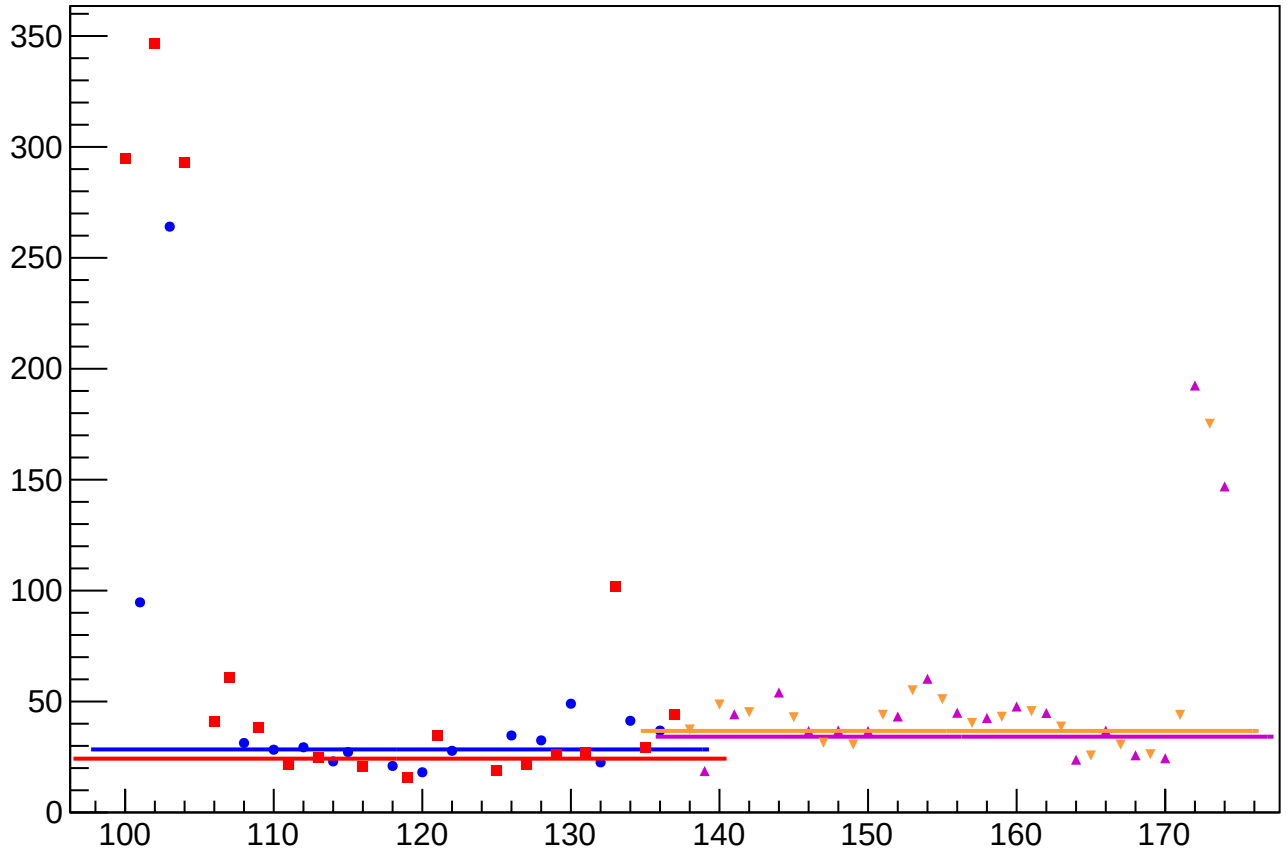
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.4/17

+ sign 0.004+/-0.008 χ^2/NDF: 48.8/33

All: 0.006+/-0.006 χ^2/NDF: 78.4/69

- 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: 36.756+/-0.008 χ^2/NDF:2158575.5/17

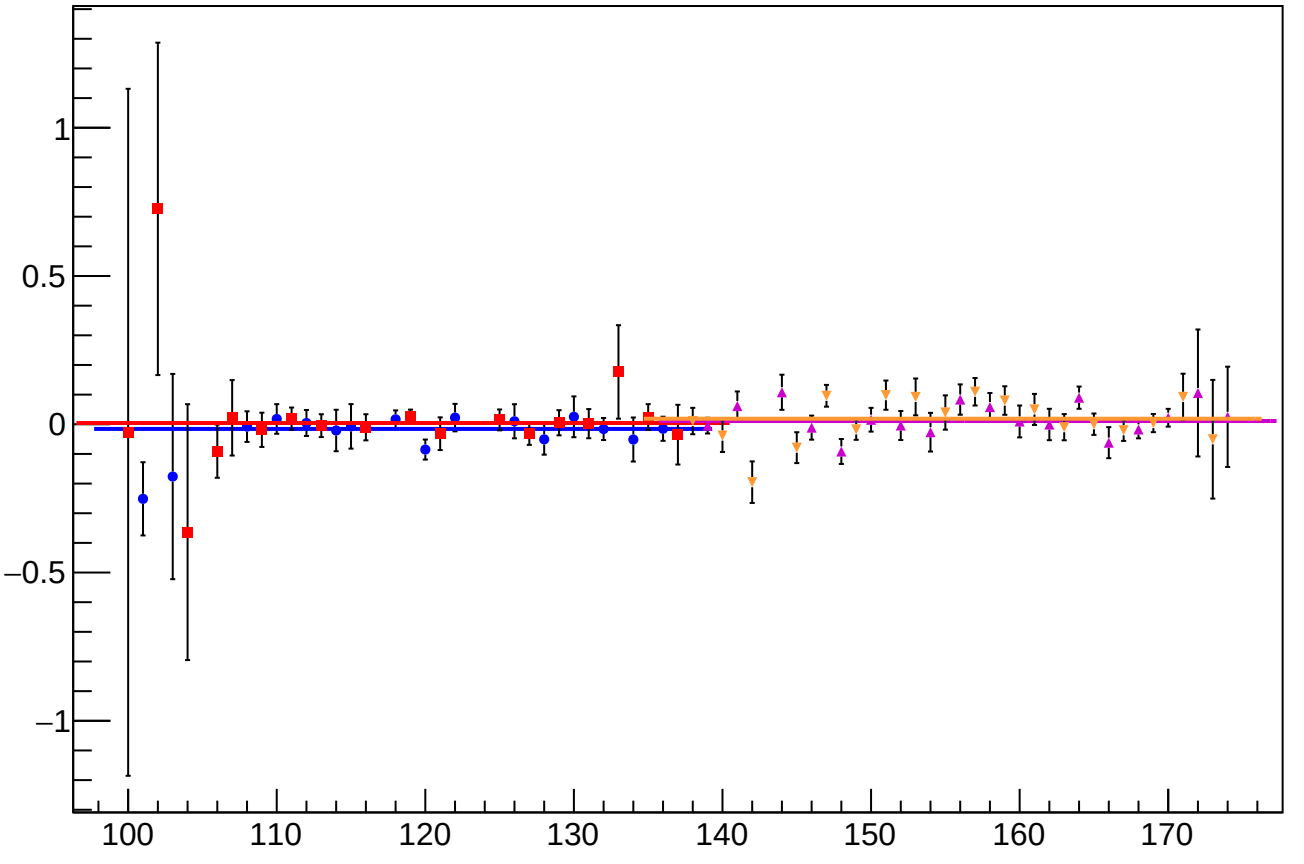
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.152+/-0.007 χ^2/NDF:4278798.1/17

+ sign 33.108+/-0.006 χ^2/NDF: 4921785.8/33

All: 31.312+/-0.004 χ^2/NDF: 13125802.0/69

- 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:32.4/17

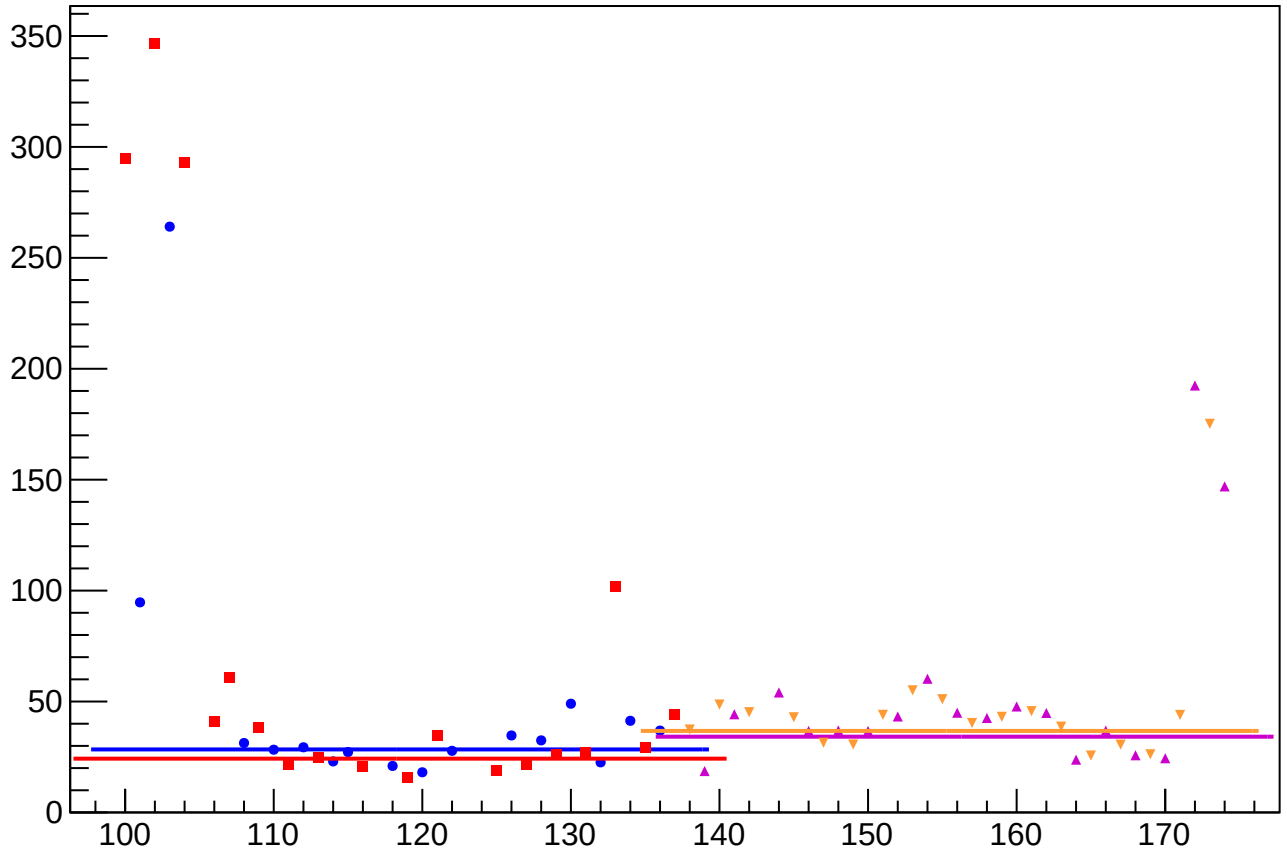
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.4/17

+ sign 0.004+/-0.008 χ^2/NDF: 48.8/33

All: 0.006+/-0.006 χ^2/NDF: 78.4/69

- 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: 36.756+/-0.008 χ^2/NDF:2158575.5/17

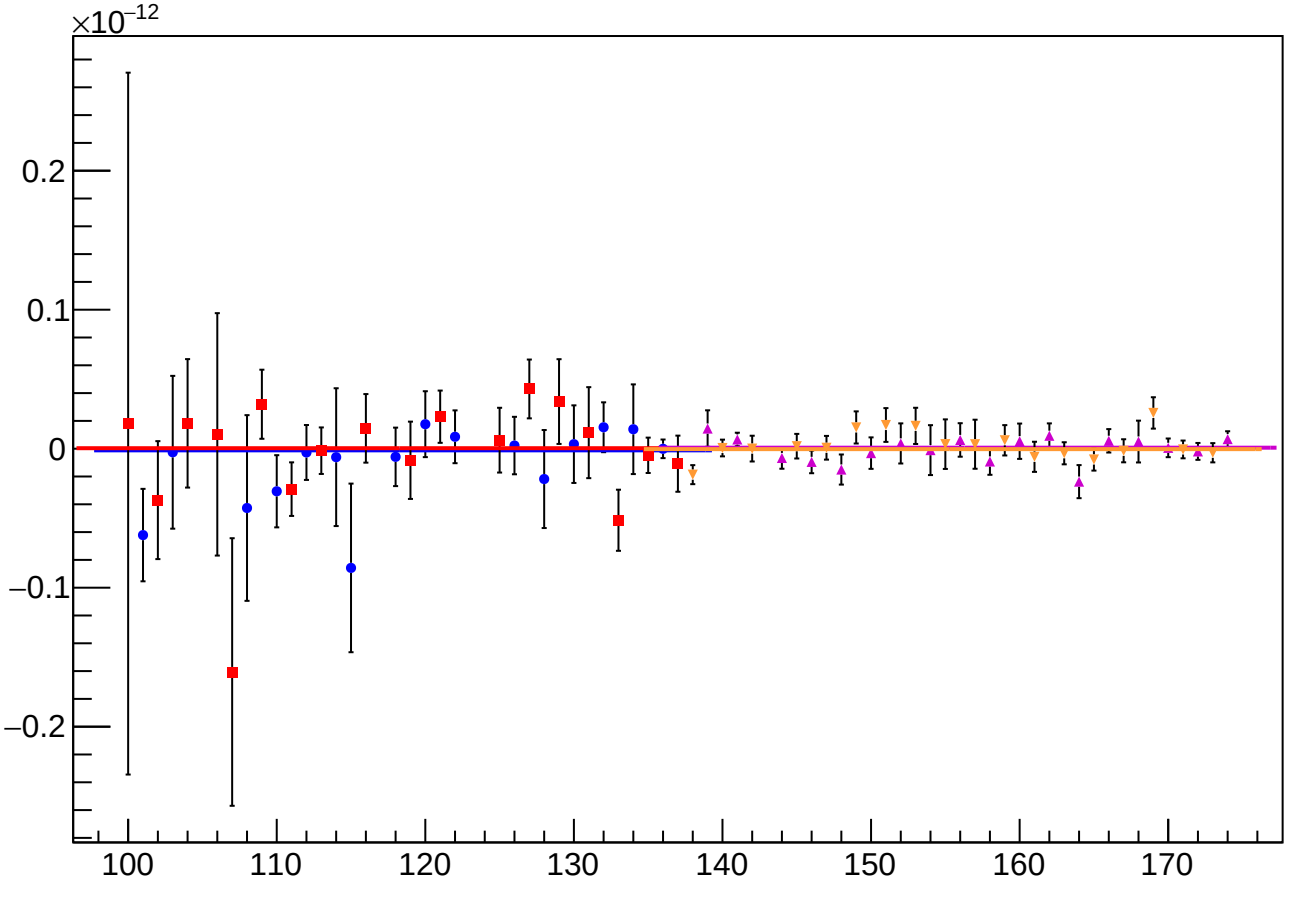
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.152+/-0.007 χ^2/NDF:4278798.1/17

+ sign 33.108+/-0.006 χ^2/NDF: 4921785.8/33

All: 31.312+/-0.004 χ^2/NDF: 13125802.0/69

- 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:20.0/17

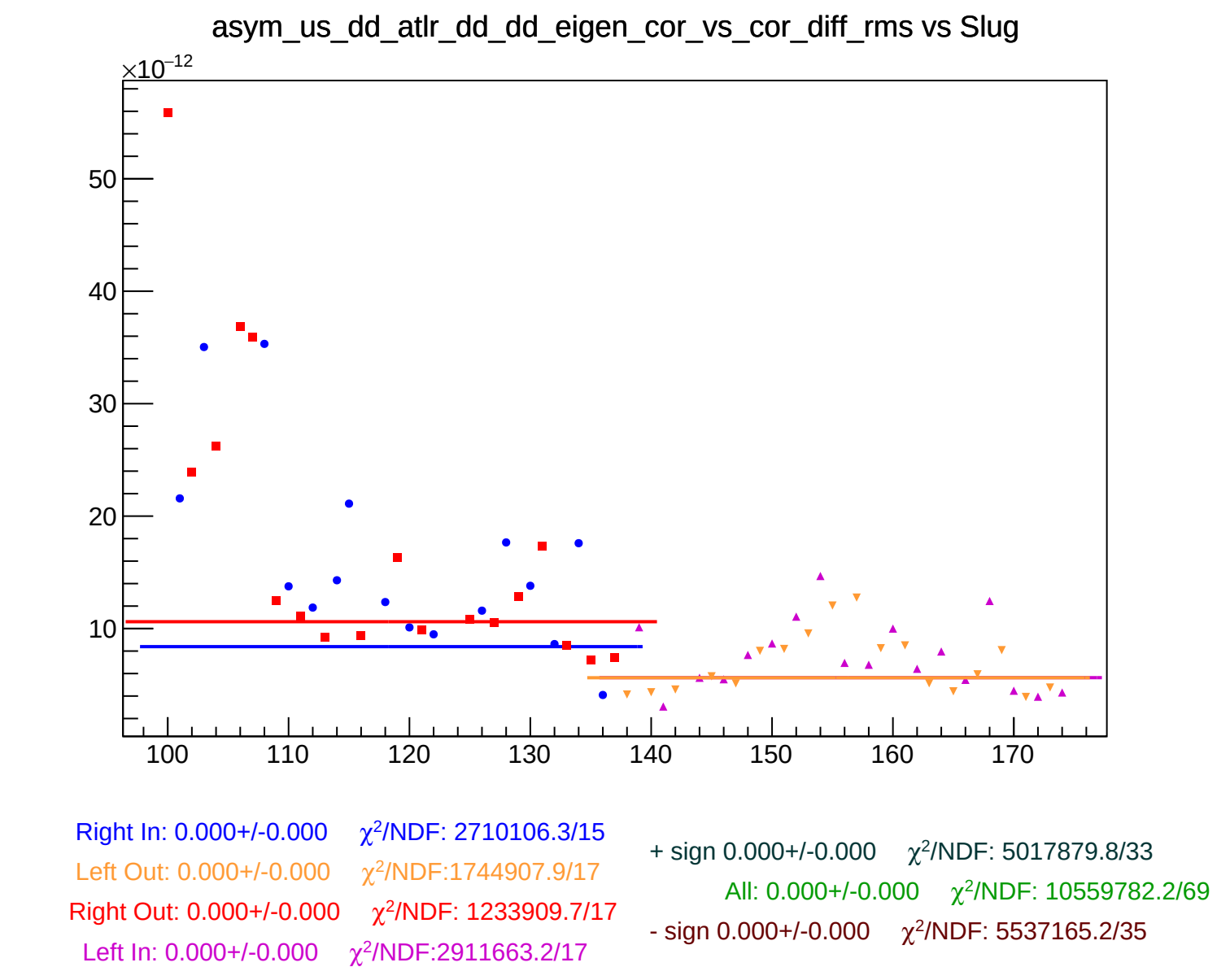
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:15.7/17

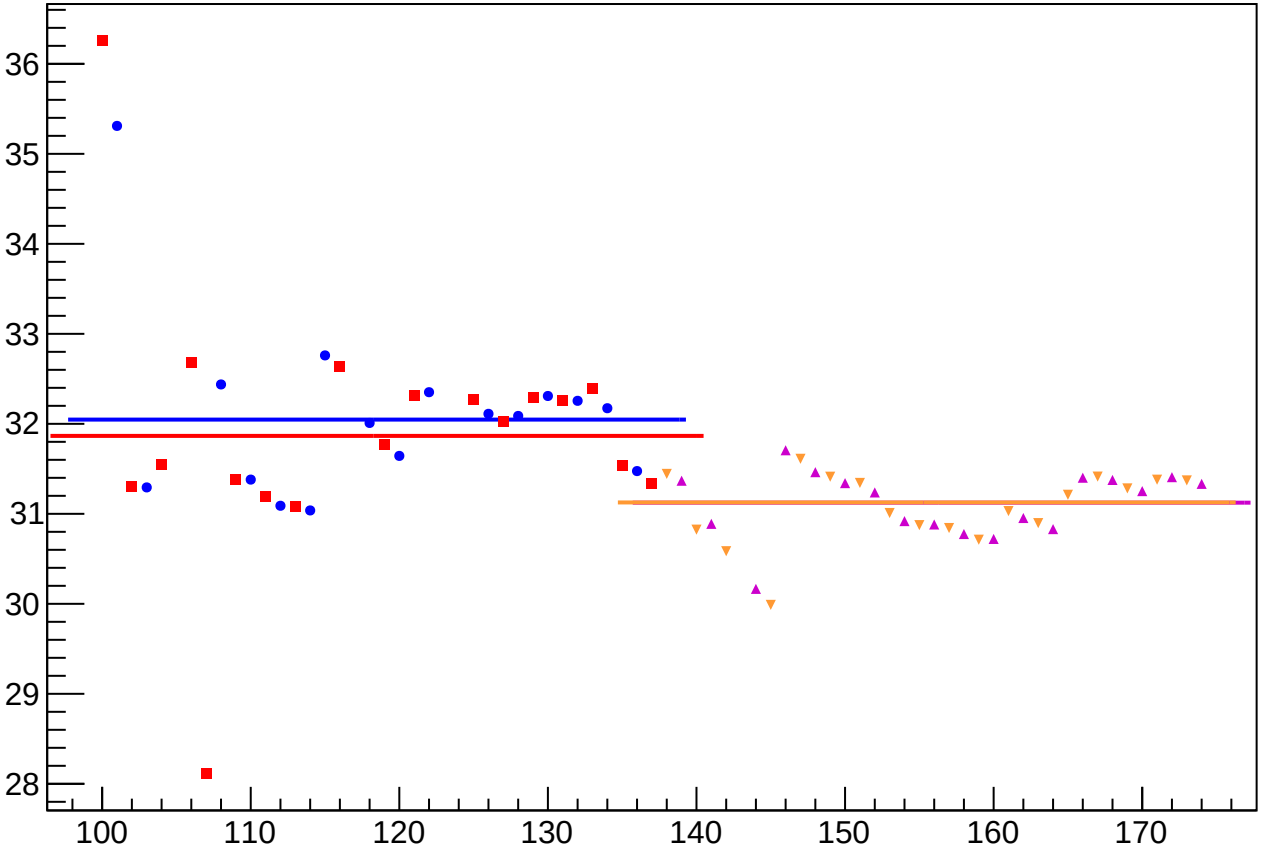
+ sign -0.000+/-0.000 χ^2/NDF: 29.4/33

All: 0.000+/-0.000 χ^2/NDF: 66.4/69

- sign 0.000+/-0.000 χ^2/NDF: 36.8/35


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1744907.9/17
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:2911663.2/17
+ sign 0.000+/-0.000 χ²/NDF: 5017879.8/33
All: 0.000+/-0.000 χ²/NDF: 10559782.2/69
- sign 0.000+/-0.000 χ²/NDF: 5537165.2/35

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.126+/-0.000 χ^2/NDF:268076128.4/17

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

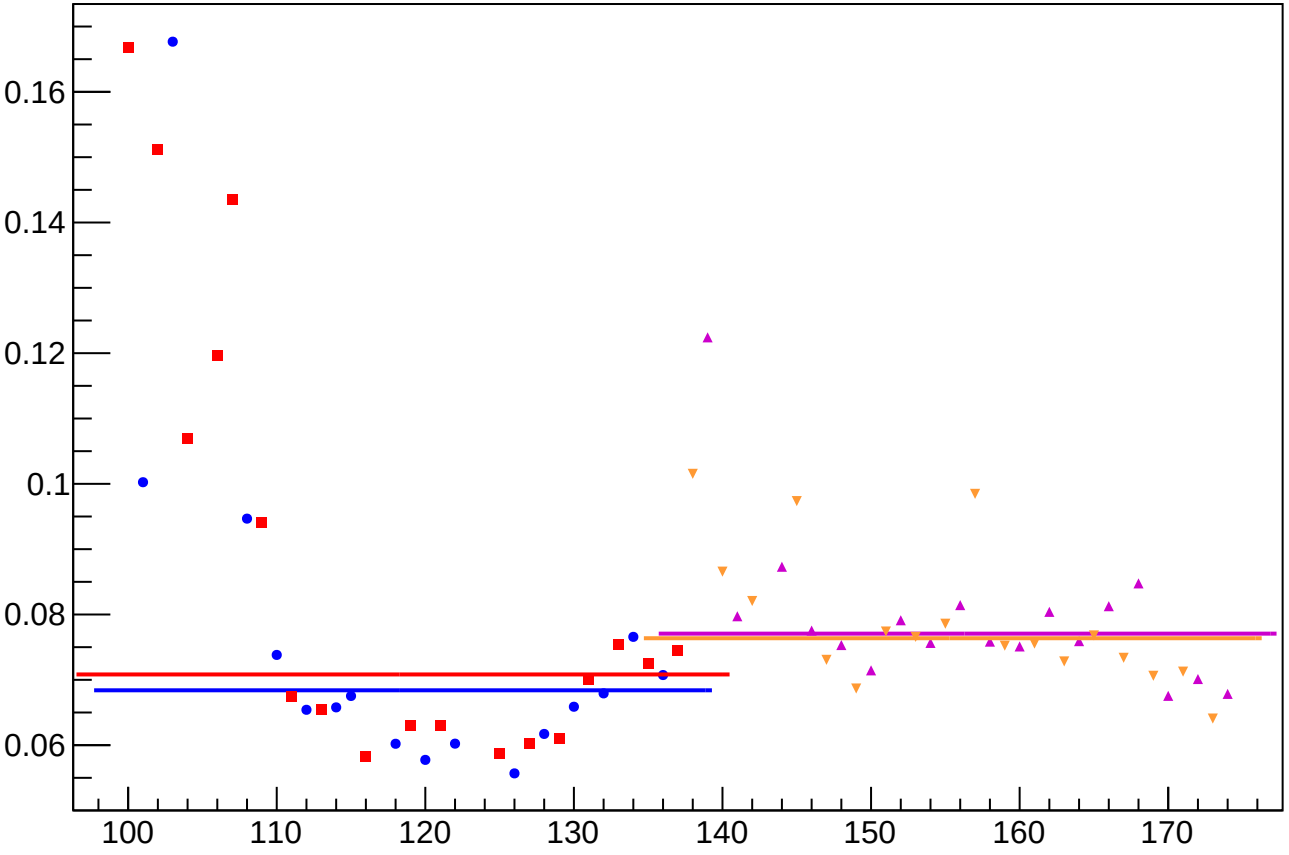
Left In: 31.124+/-0.000 χ^2/NDF:273929093.5/17

\+ sign 31.476+/-0.000 χ^2/NDF: 1869546421.8/33

All: 31.432+/-0.000 χ^2/NDF: 3083166118.6/6

\- 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:351312.2/17

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

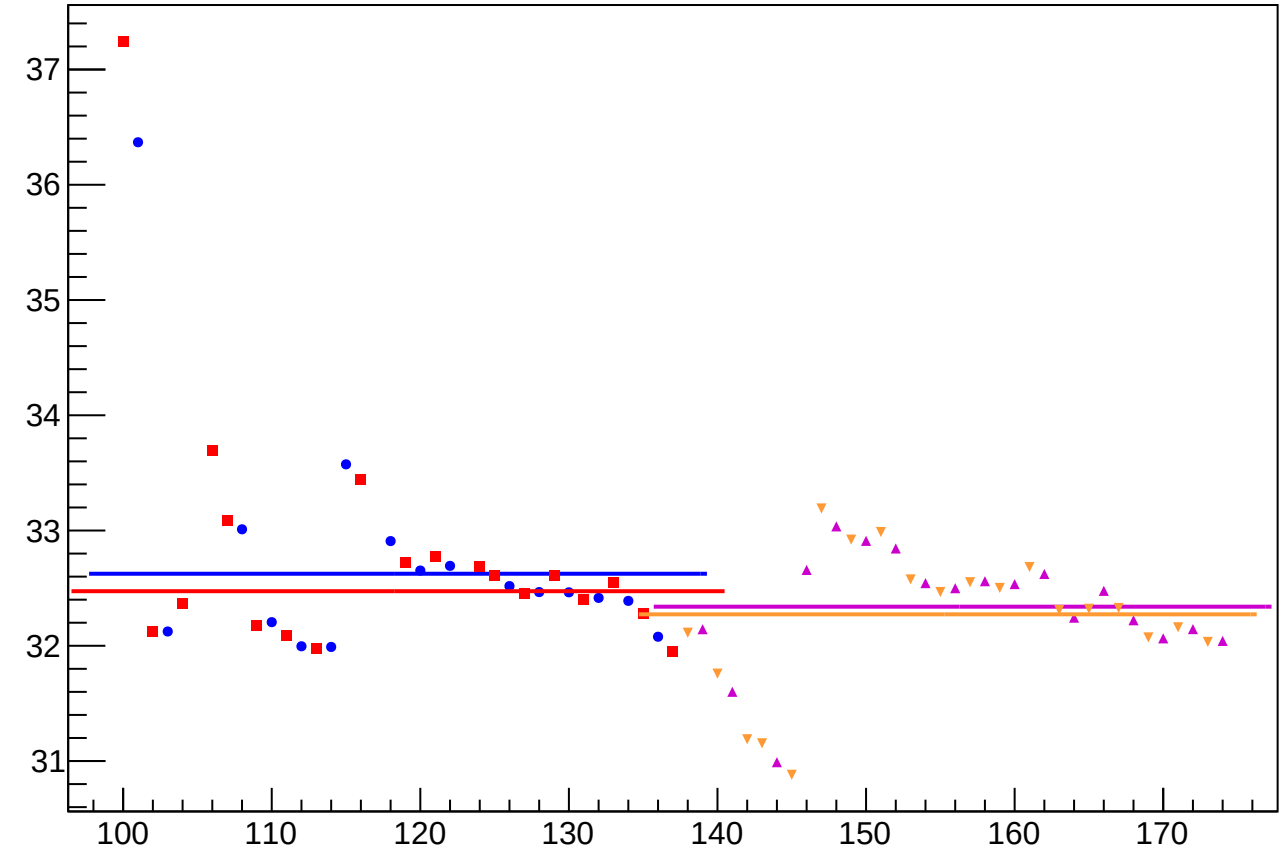
Left In: 0.077+/-0.000 χ^2/NDF:351332.9/17

\+ sign 0.073+/-0.000 χ^2/NDF: 1159860.8/33

All: 0.074+/-0.000 χ^2/NDF: 2449781.0/69

\- sign 0.075+/-0.000 χ^2/NDF: 1281948.9/35

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.273+/-0.000 χ^2/NDF:792519359.0/18

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

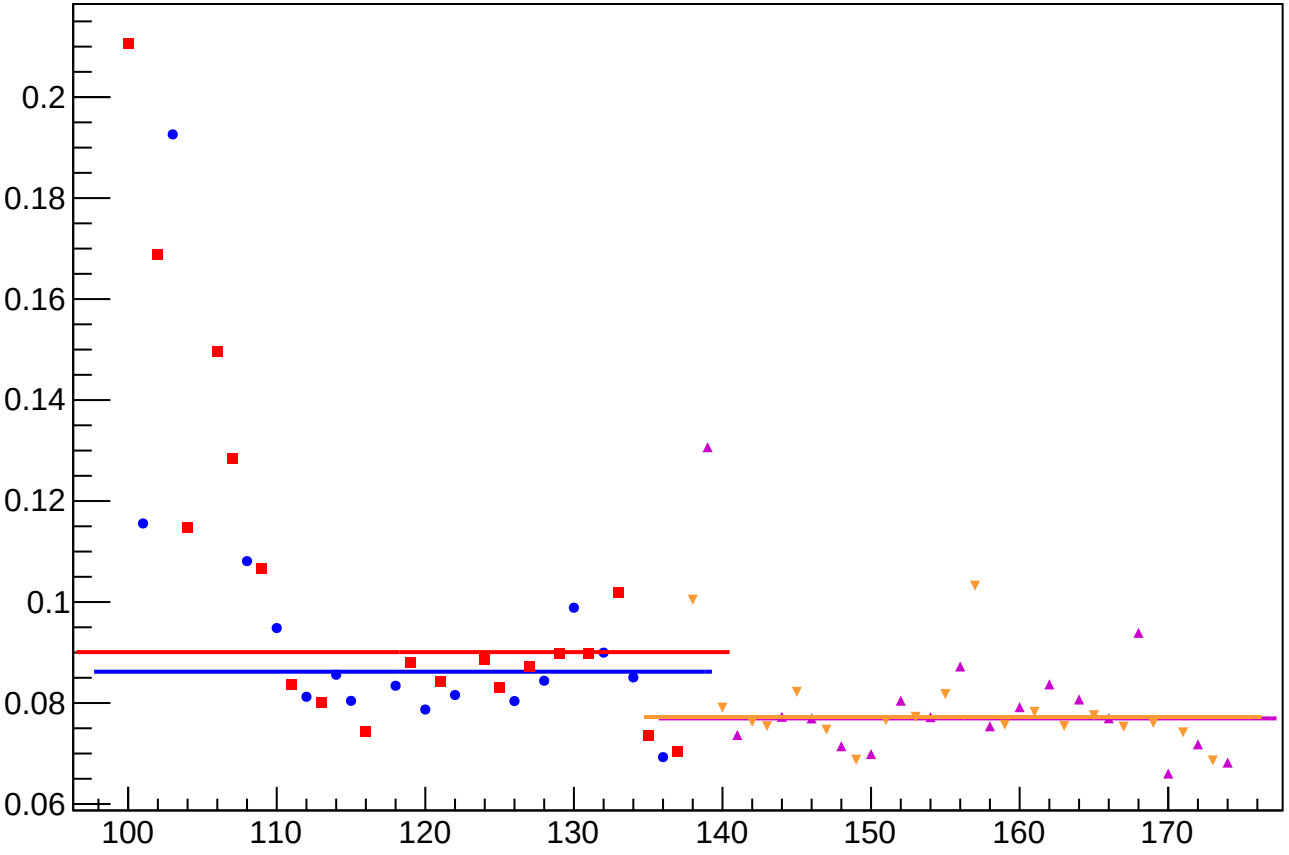
Left In: 32.339+/-0.000 χ^2/NDF:574928908.9/17

+ sign 32.368+/-0.000 χ^2/NDF: 1608094143.4/34

All: 32.371+/-0.000 χ^2/NDF: 2350518337.9/7

- 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:229858.6/18

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

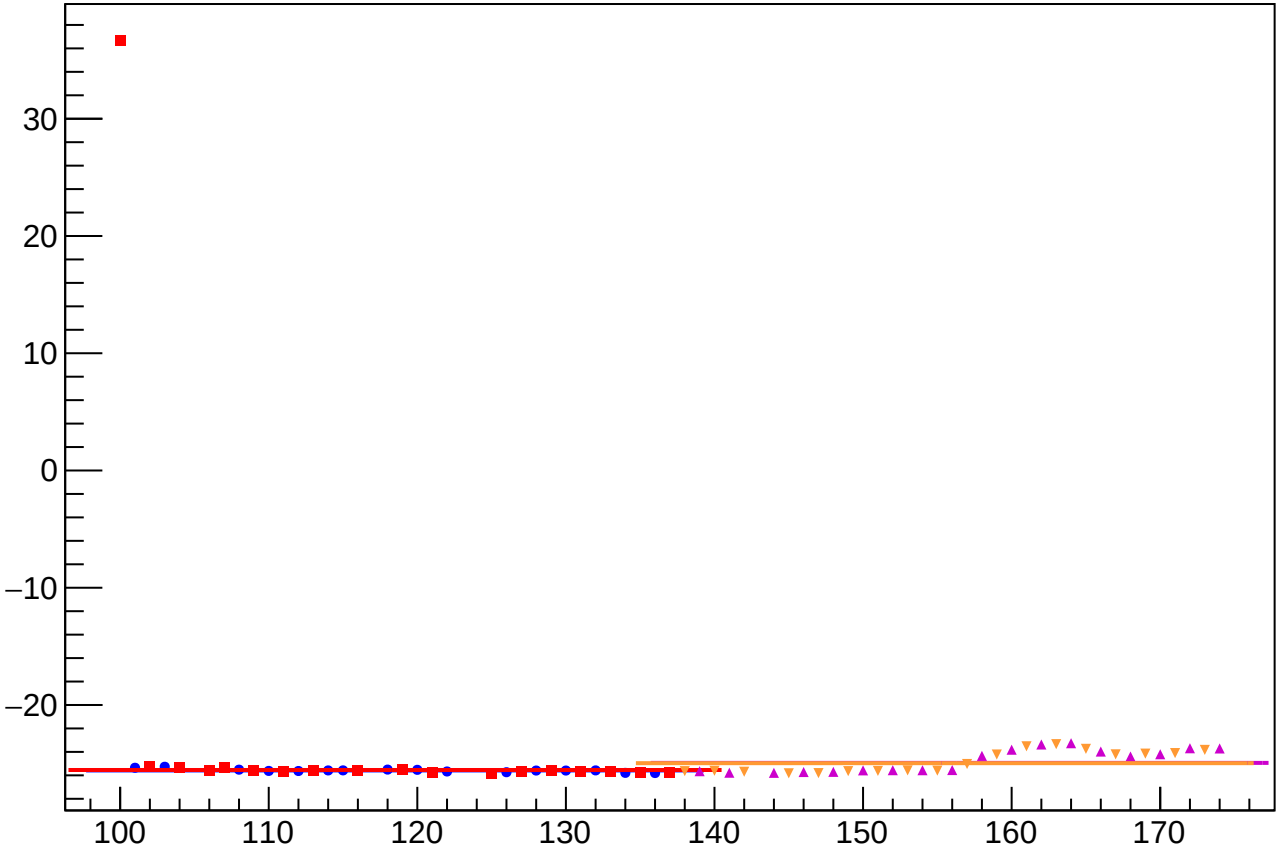
Left In: 0.077+/-0.000 χ^2/NDF:472107.2/17

+ sign 0.080+/-0.000 χ^2/NDF: 927977.4/34

All: 0.080+/-0.000 χ^2/NDF: 2226745.8/71

- 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: -24.962+/-0.000 χ^2/NDF:5058816696.0/17

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

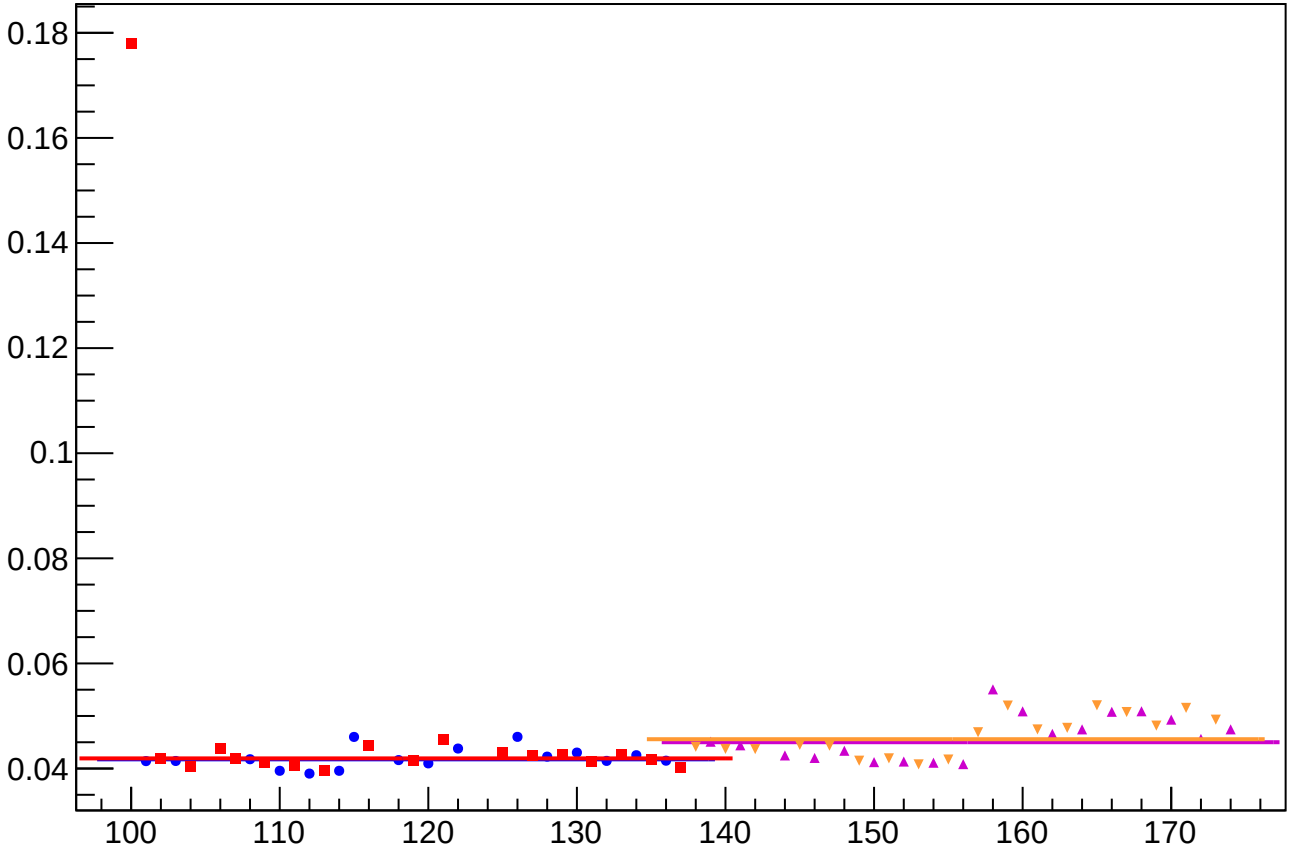
Left In: -24.938+/-0.000 χ^2/NDF:5951333844.3/17

+ sign -25.198+/-0.000 χ^2/NDF: 6123796631.1/33

All: -25.178+/-0.000 χ^2/NDF: 21949413828.6

- 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:174075.8/17

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

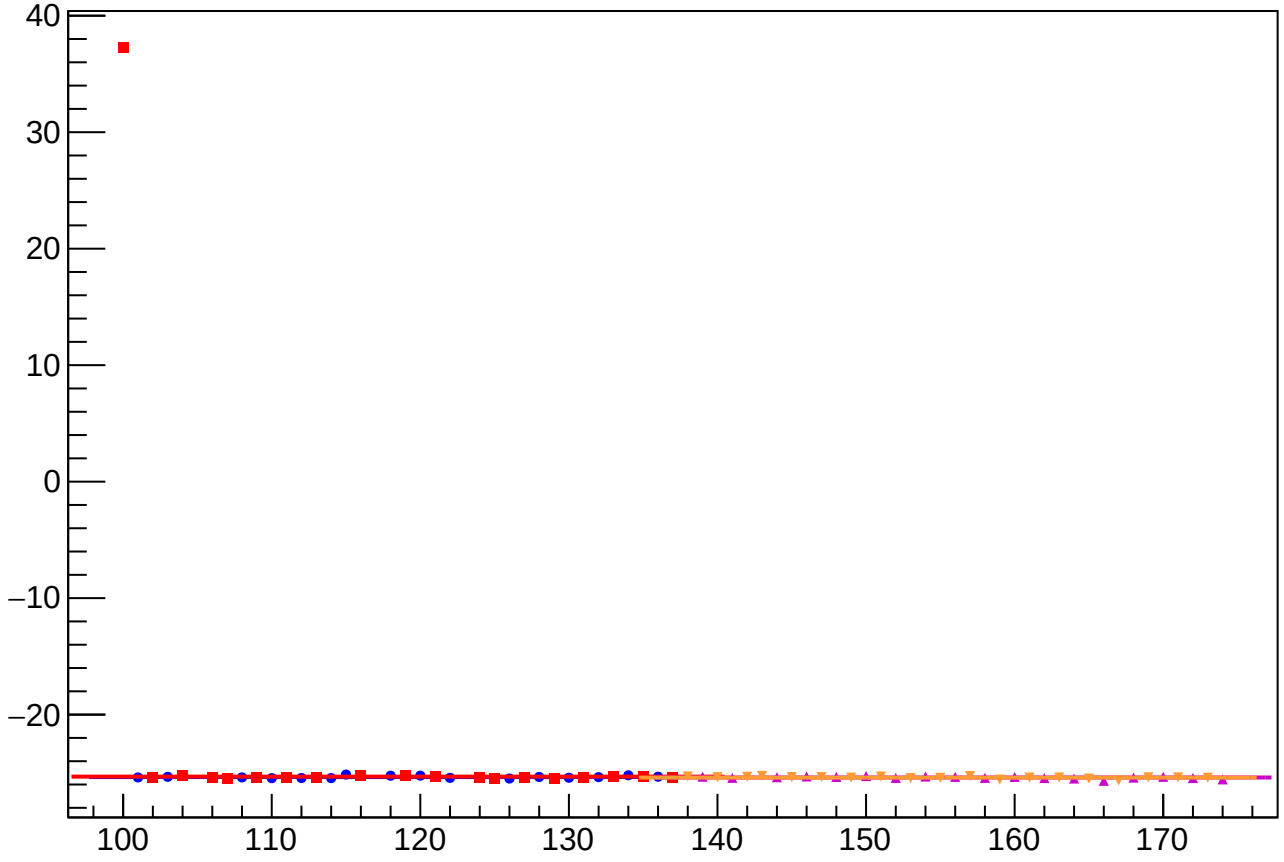
Left In: 0.045+/-0.000 χ^2/NDF:215956.5/17

+ sign 0.044+/-0.000 χ^2/NDF: 269311.7/33

All: 0.044+/-0.000 χ^2/NDF: 635548.4/69

- 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: -25.404+/-0.000 χ^2/NDF:42415790.1/18

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

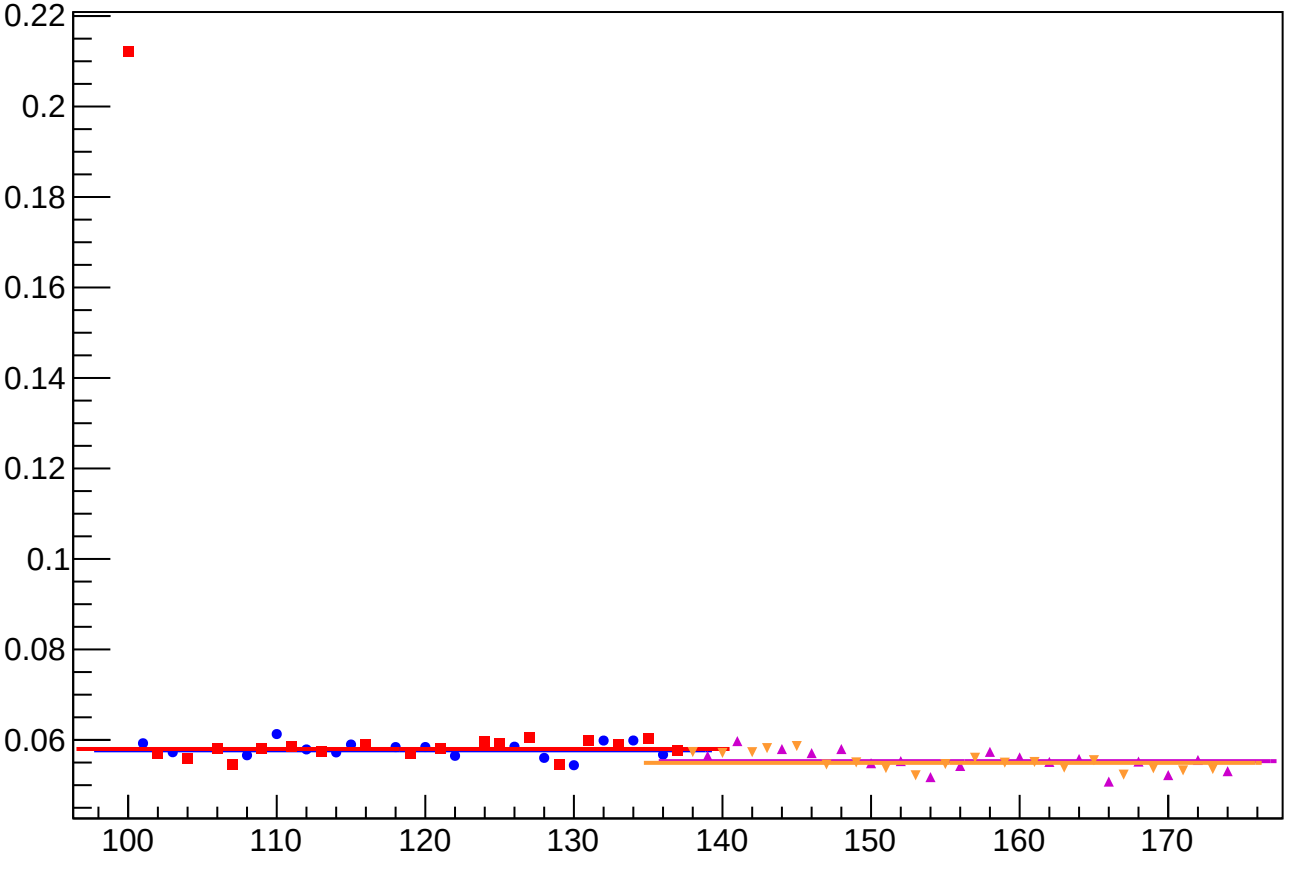
Left In: -25.398+/-0.000 χ^2/NDF:41764002.7/17

\+ sign -25.391+/-0.000 χ^2/NDF: 58543395.8/34

All: -25.383+/-0.000 χ^2/NDF: 6424650192.3/

\- 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:31503.2/18

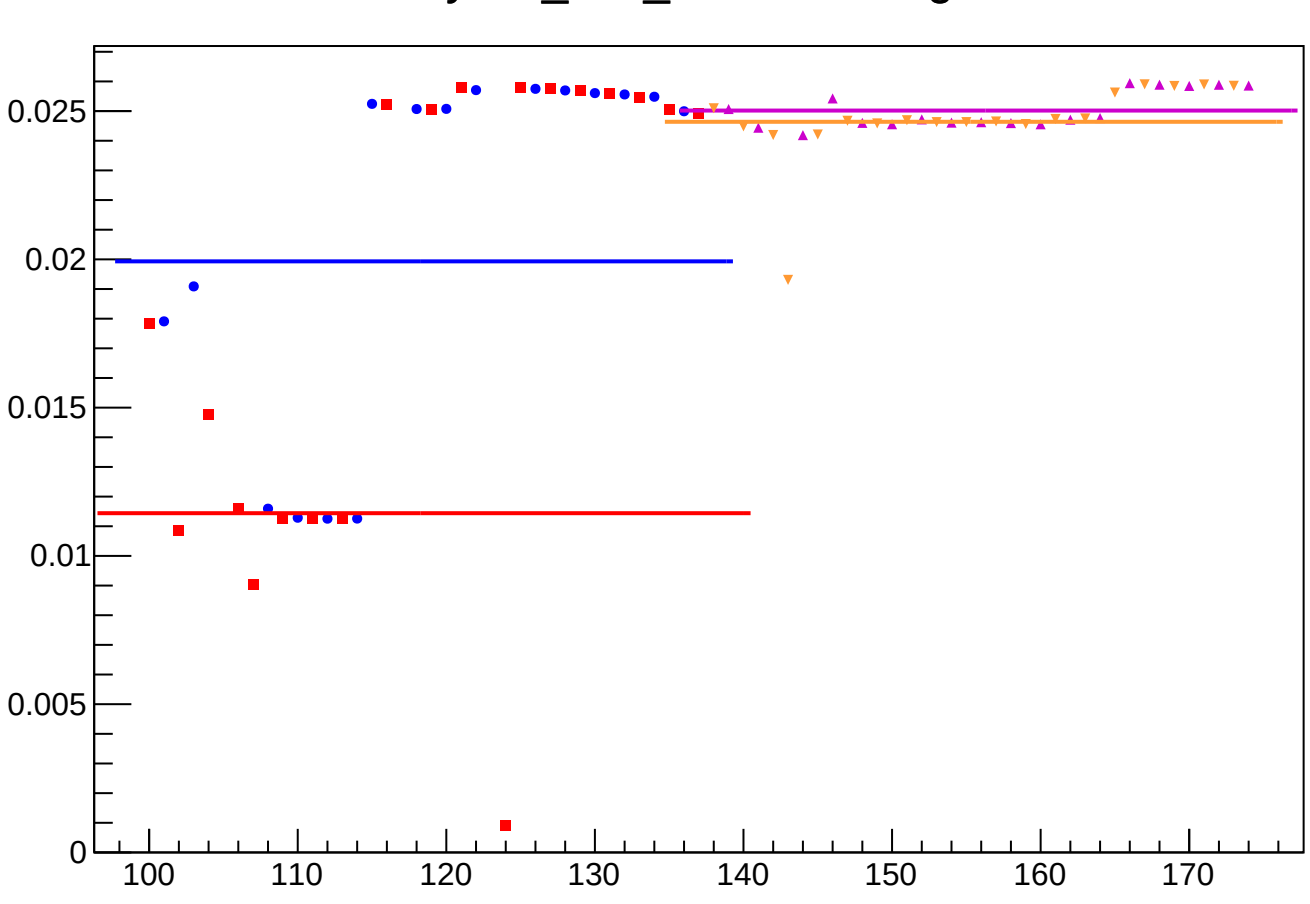
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:47250.9/17

+ sign 0.056+/-0.000 χ^2/NDF: 65635.7/34

All: 0.056+/-0.000 χ^2/NDF: 223857.4/71

- 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:6315698038.6/18

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

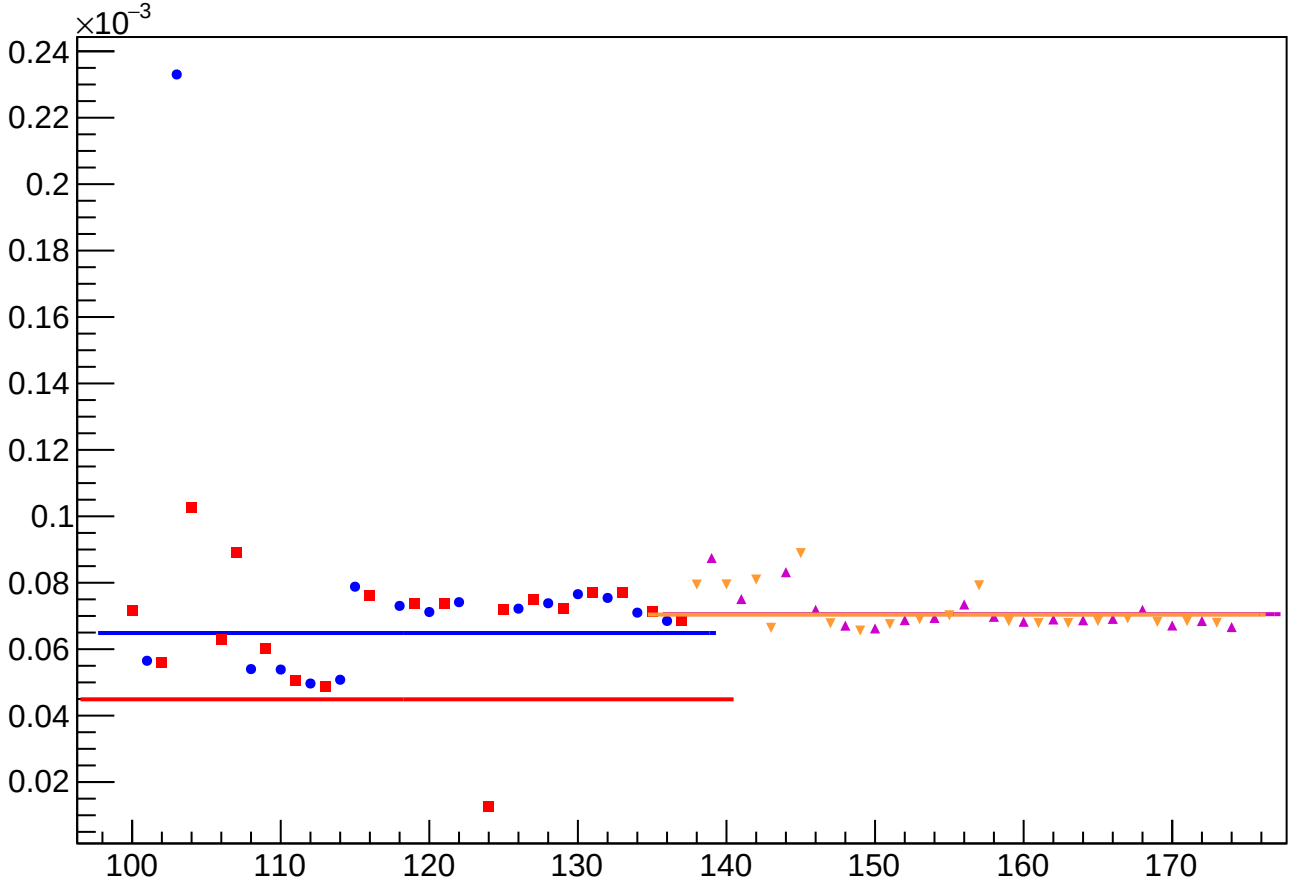
Left In: 0.025+/-0.000 χ^2/NDF:1018610994.5/17

+ sign 0.023+/-0.000 χ^2/NDF: 91352453823.2/34

All: 0.021+/-0.000 χ^2/NDF: 641029767879.1

- 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:174412.0/18

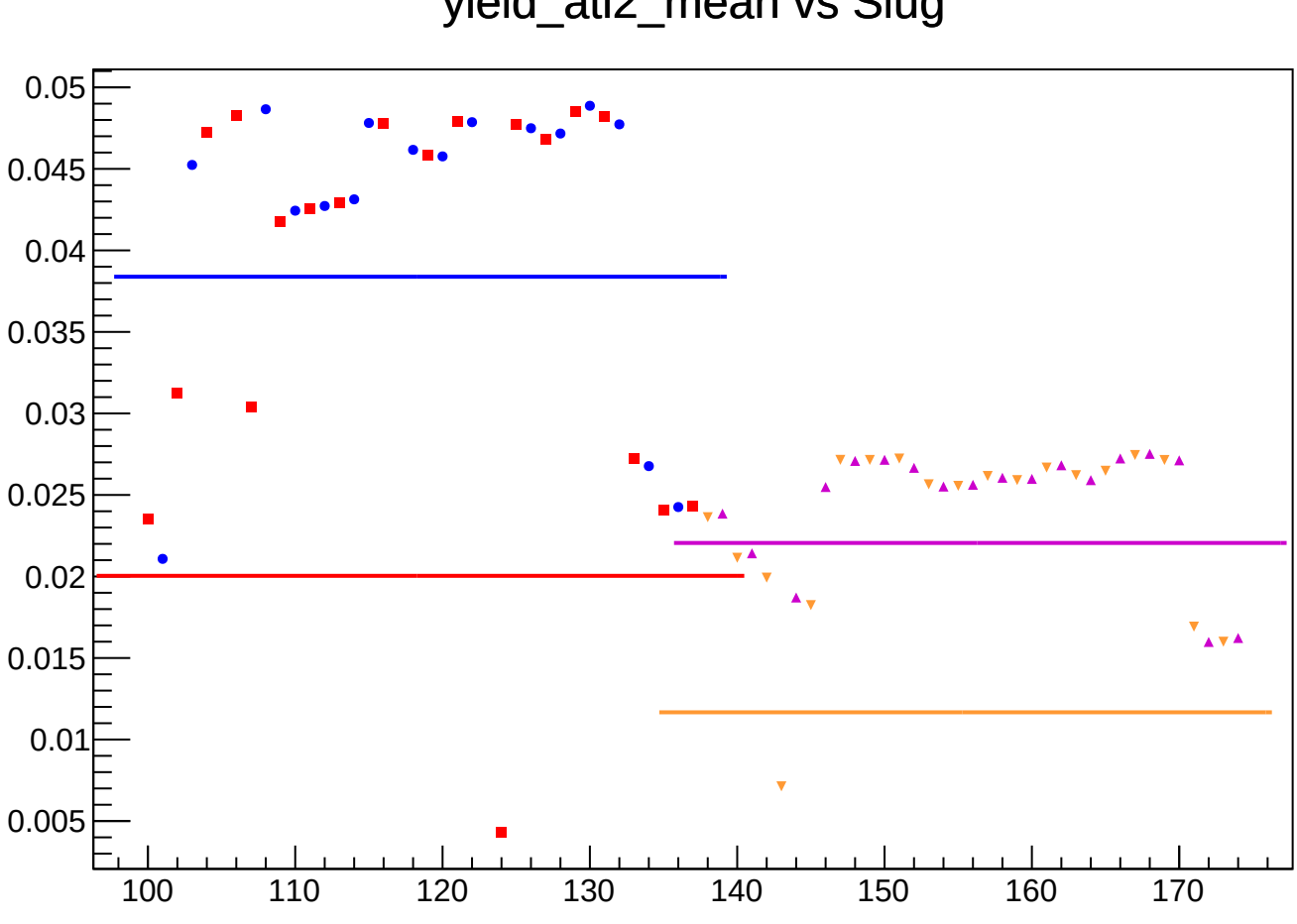
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:139358.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 1054068.7/34

All: 0.000+/-0.000 χ^2/NDF: 7219737.4/71

- 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:33935311640.8/18

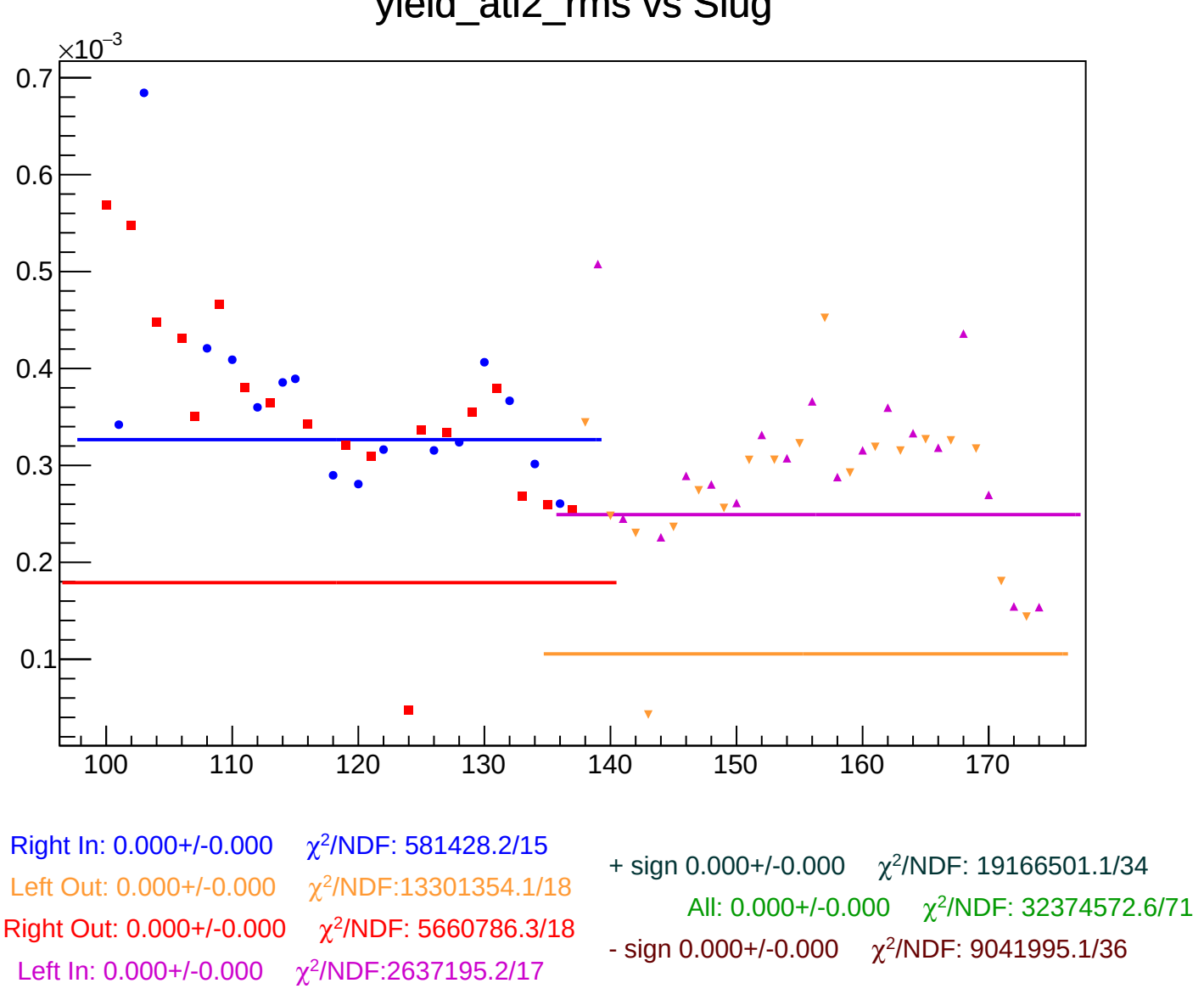
Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.022+/-0.000 χ^2/NDF:4531037051.1/17

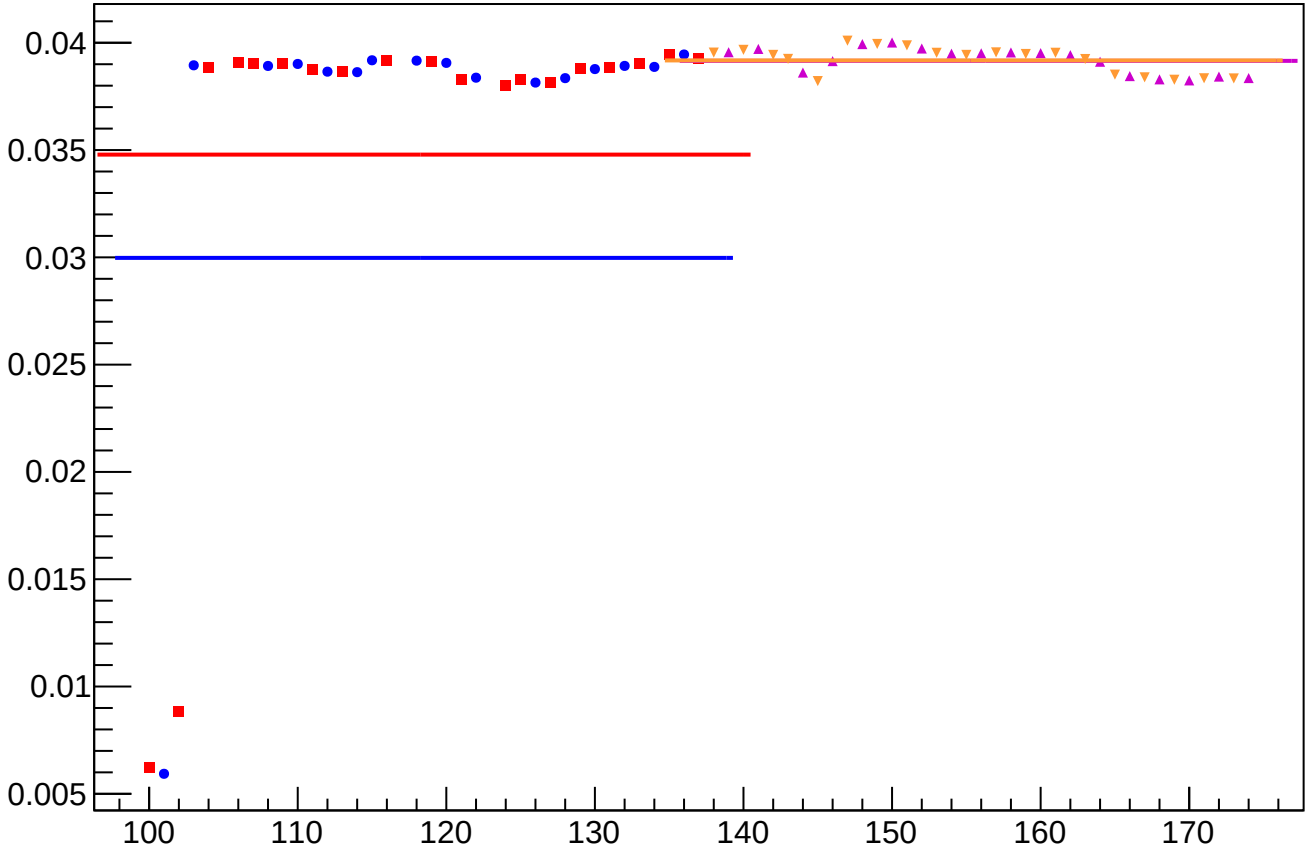
+ sign 0.014+/-0.000 χ^2/NDF: 79600803606.2/34

All: 0.016+/-0.000 χ^2/NDF: 138234941997.8

- sign 0.021+/-0.000 χ^2/NDF: 47023184417.8/36


yield_atl2_rms vs Slug
×10^−3
0.7
0.6
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: 581428.2/15
Left Out: 0.000+/-0.000 χ²/NDF:13301354.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 5660786.3/18
Left In: 0.000+/-0.000 χ²/NDF:2637195.2/17
+ sign 0.000+/-0.000 χ²/NDF: 19166501.1/34
All: 0.000+/-0.000 χ²/NDF: 32374572.6/71
- sign 0.000+/-0.000 χ²/NDF: 9041995.1/36

yield_atr1_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:331794588.1/18

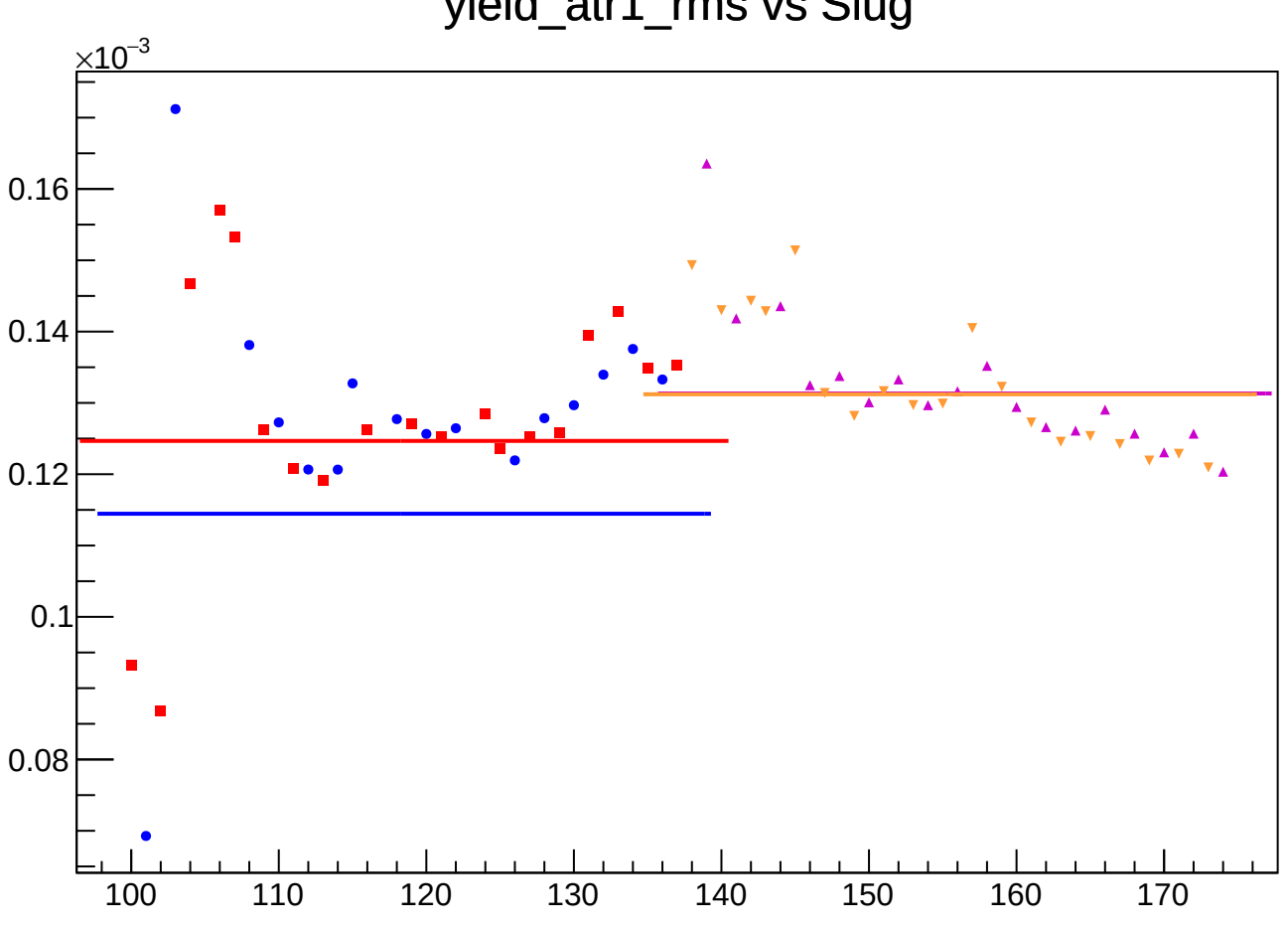
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:305834373.7/17

+ sign 0.036+/-0.000 χ^2/NDF: 135472793691.4/34

All: 0.037+/-0.000 χ^2/NDF: 191007330178.4

- 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:127823.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

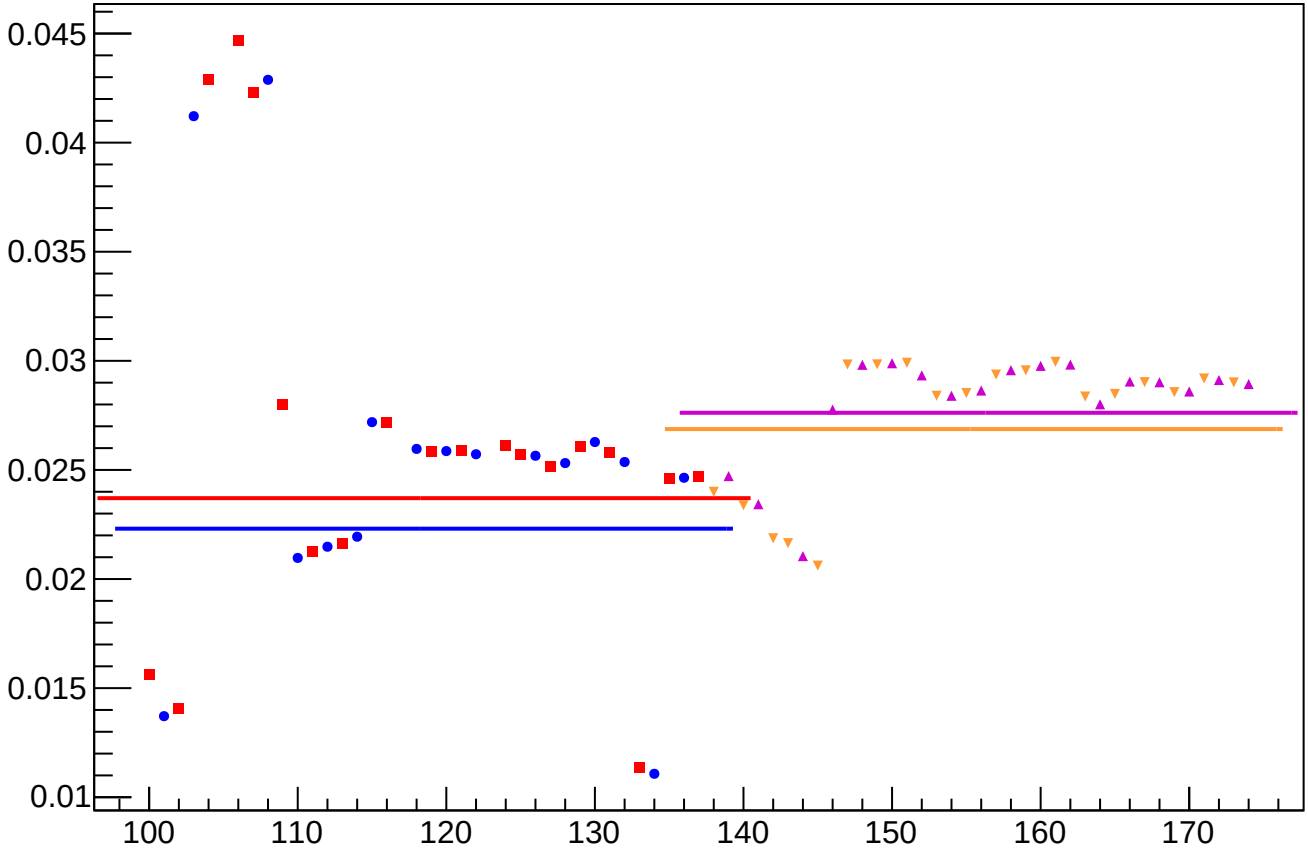
Left In: 0.000+/-0.000 χ^2/NDF:121578.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 1159086.5/34

All: 0.000+/-0.000 χ^2/NDF: 1588793.0/71

- 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:1970871560.4/18

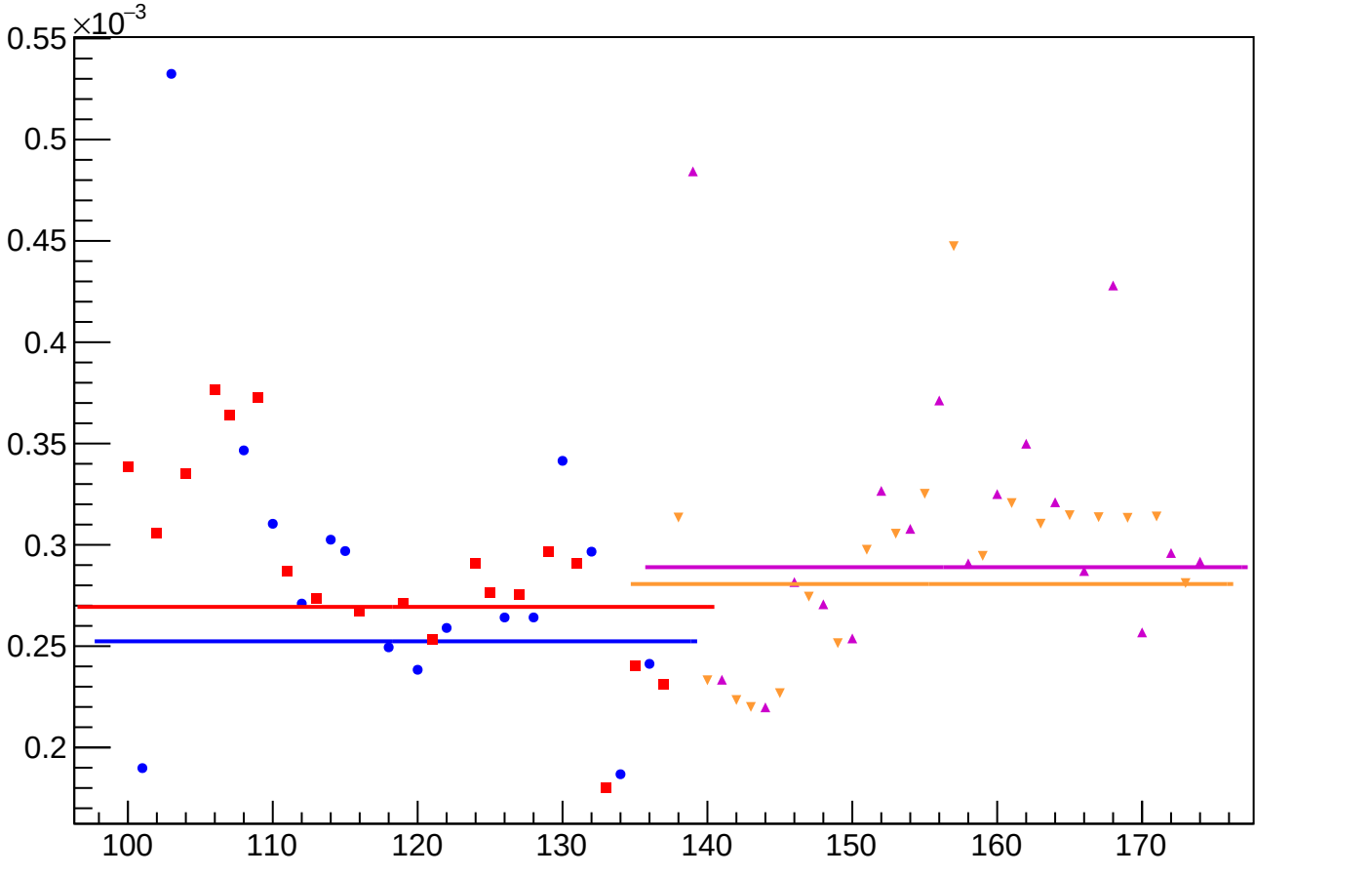
Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

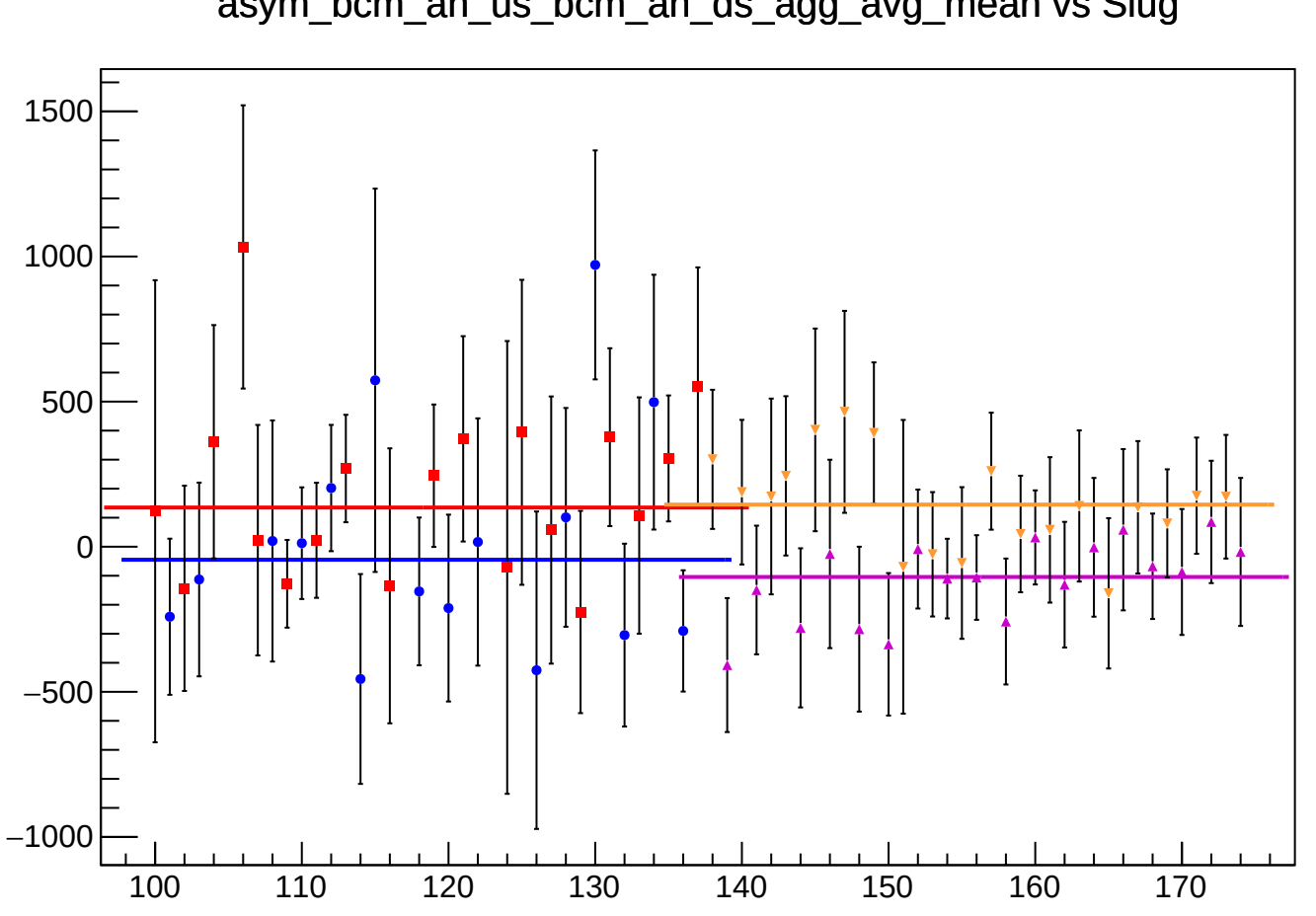
Left In: 0.028+/-0.000 χ^2/NDF:1333246830.1/17

+ sign 0.025+/-0.000 χ^2/NDF: 8272168630.3/34

All: 0.026+/-0.000 χ^2/NDF: 16198030264.1/7

- sign 0.026+/-0.000 χ^2/NDF: 7790183895.1/36


yield_atr2_rms vs Slug
×10^-3
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 707863.6/15
Left Out: 0.000+/-0.000 χ²/NDF:656503.2/18
Right Out: 0.000+/-0.000 χ²/NDF: 446359.4/18
Left In: 0.000+/-0.000 χ²/NDF:922996.9/17
+ sign 0.000+/-0.000 χ²/NDF: 1463272.1/34
All: 0.000+/-0.000 χ²/NDF: 2911770.8/71
- sign 0.000+/-0.000 χ²/NDF: 1413248.3/36



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 145.116+/-55.969 χ^2/NDF:6.7/18

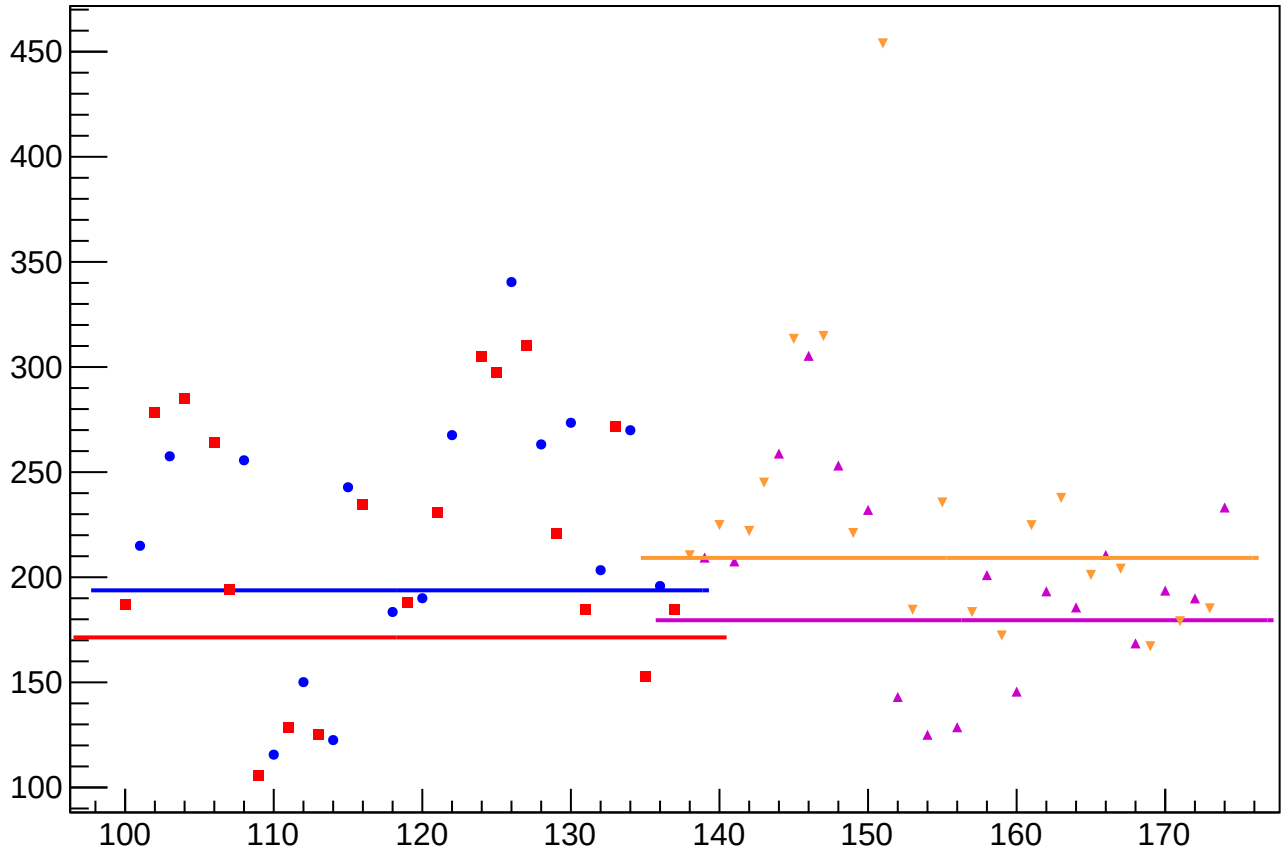
Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: -104.327+/-49.065 χ^2/NDF:6.5/17

+ sign 78.519+/-45.108 χ^2/NDF: 26.2/34

All: 21.727+/-29.844 χ^2/NDF: 56.5/71

- sign -22.487+/-39.801 χ^2/NDF: 27.5/36



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 209.200+/-0.040 χ^2/NDF:1233681.8/18

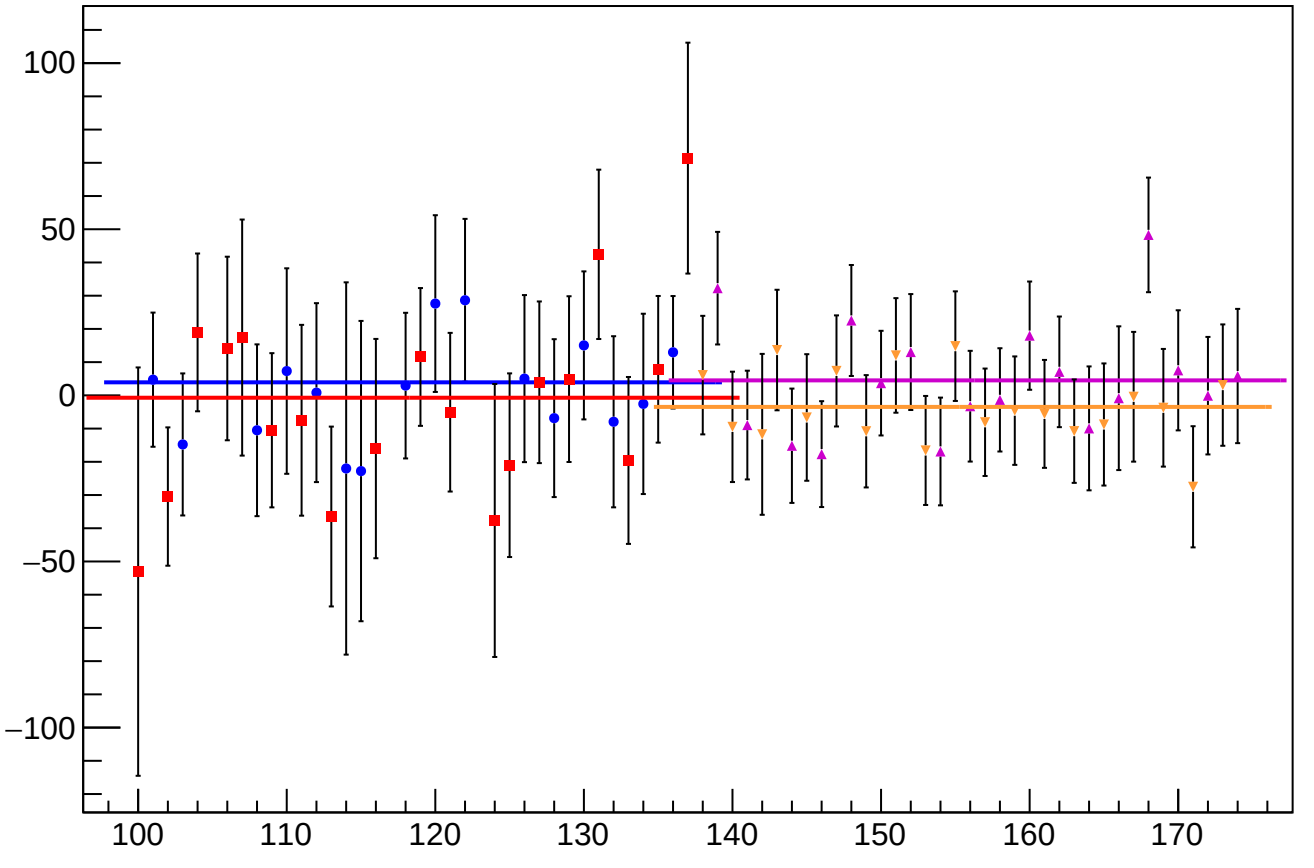
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 179.552+/-0.035 χ^2/NDF:1631554.8/17

+ sign 203.792+/-0.032 χ^2/NDF: 2335062.2/34

All: 188.592+/-0.021 χ^2/NDF: 6047542.5/71

- 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: -3.473+/-4.004 χ^2/NDF:7.0/18

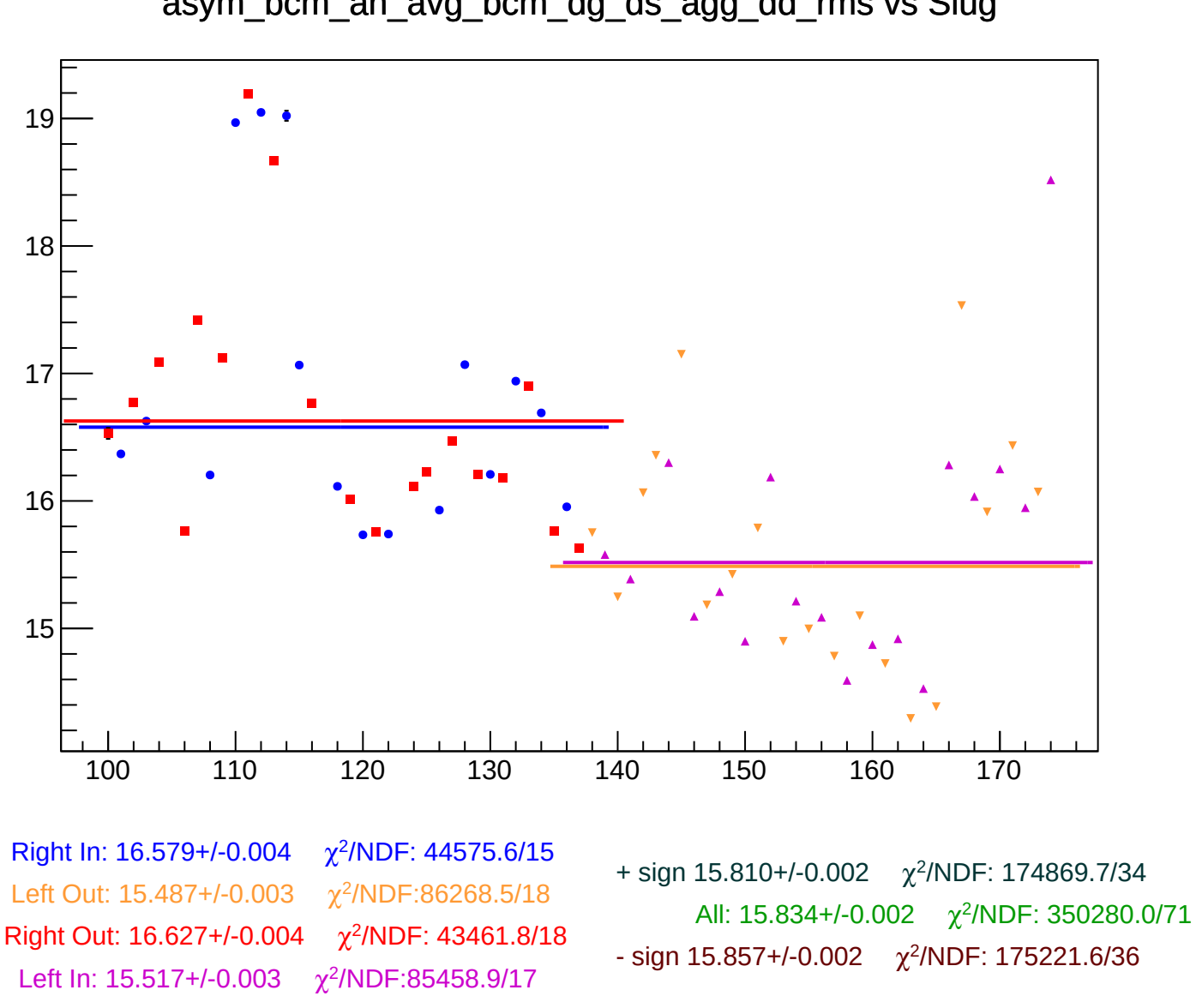
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

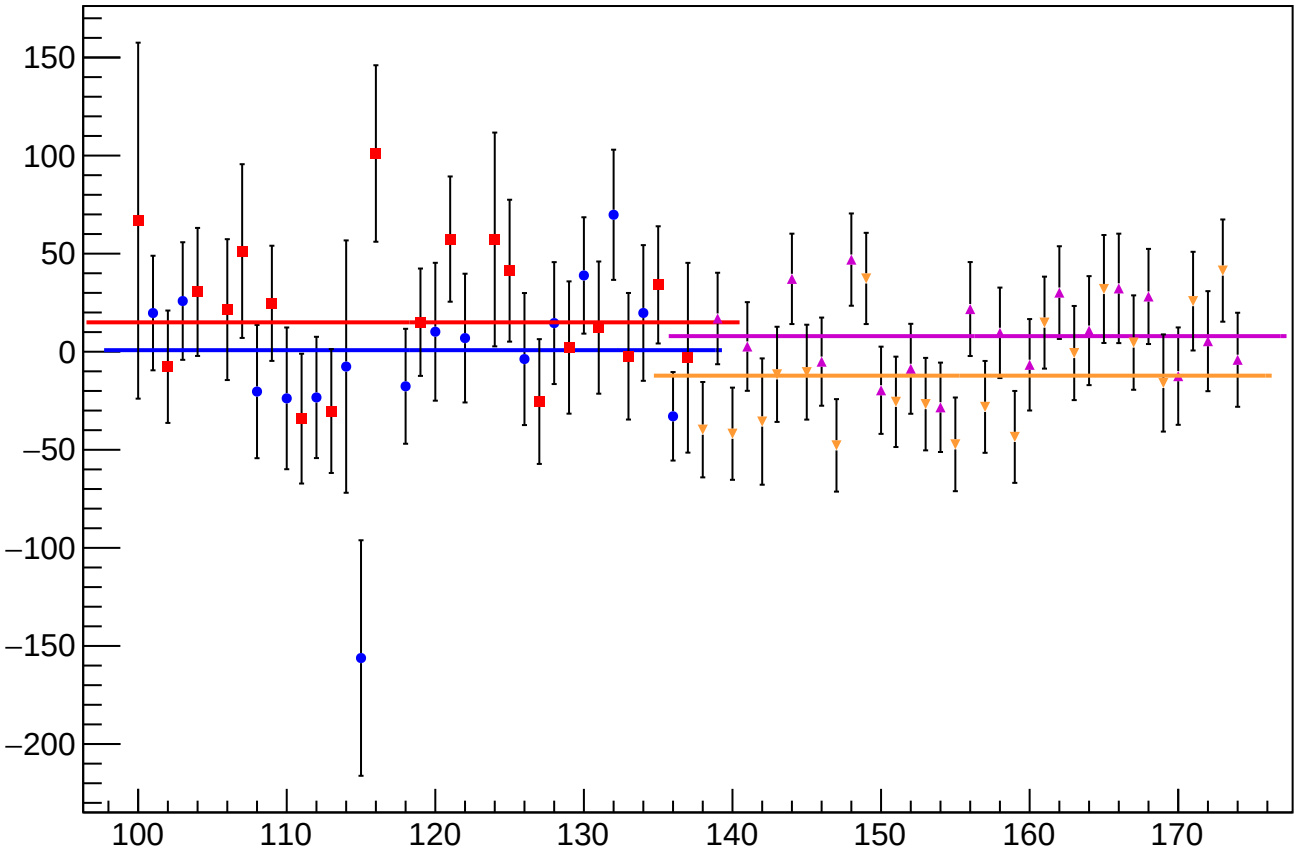
Left In: 4.511+/-4.035 χ^2/NDF:18.0/17

\+ sign -1.282+/-3.359 χ^2/NDF: 12.5/34

All: 0.814+/-2.376 χ^2/NDF: 47.8/71

\- sign 2.912+/-3.361 χ^2/NDF: 34.4/36


asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug
19
18
17
16
15
100
110
120
130
140
150
160
170
Right In: 16.579+/-0.004 χ²/NDF: 44575.6/15
Left Out: 15.487+/-0.003 χ²/NDF:86268.5/18
Right Out: 16.627+/-0.004 χ²/NDF: 43461.8/18
Left In: 15.517+/-0.003 χ²/NDF:85458.9/17
+ sign 15.810+/-0.002 χ²/NDF: 174869.7/34
All: 15.834+/-0.002 χ²/NDF: 350280.0/71
- sign 15.857+/-0.002 χ²/NDF: 175221.6/36



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -12.201+/-5.600 χ^2/NDF:26.5/18

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

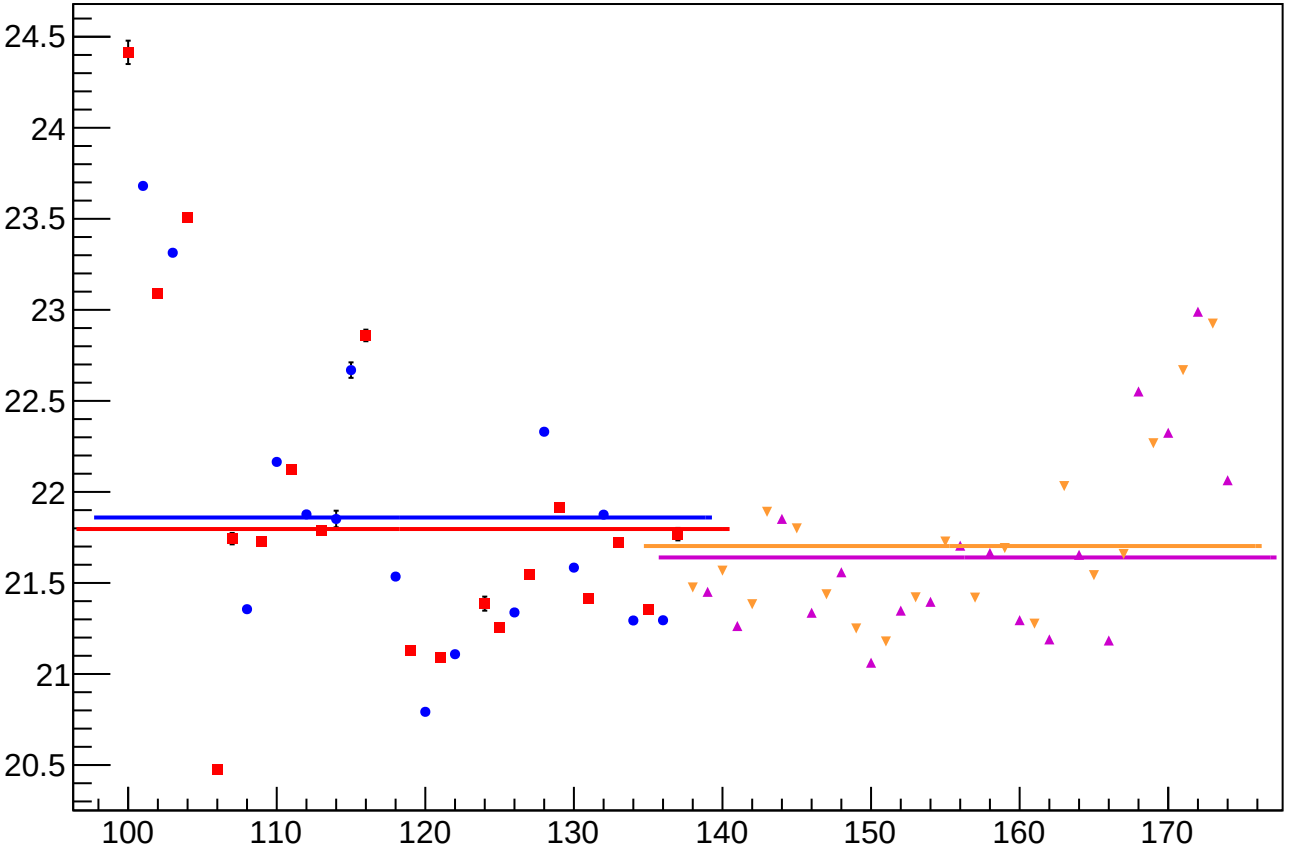
Left In: 7.948+/-5.612 χ^2/NDF:13.5/17

\+ sign -8.017+/-4.611 χ^2/NDF: 46.9/34

All: 1.185+/-3.251 χ^2/NDF: 84.2/71

\- 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: 21.703+/-0.004 χ^2/NDF:12712.1/18

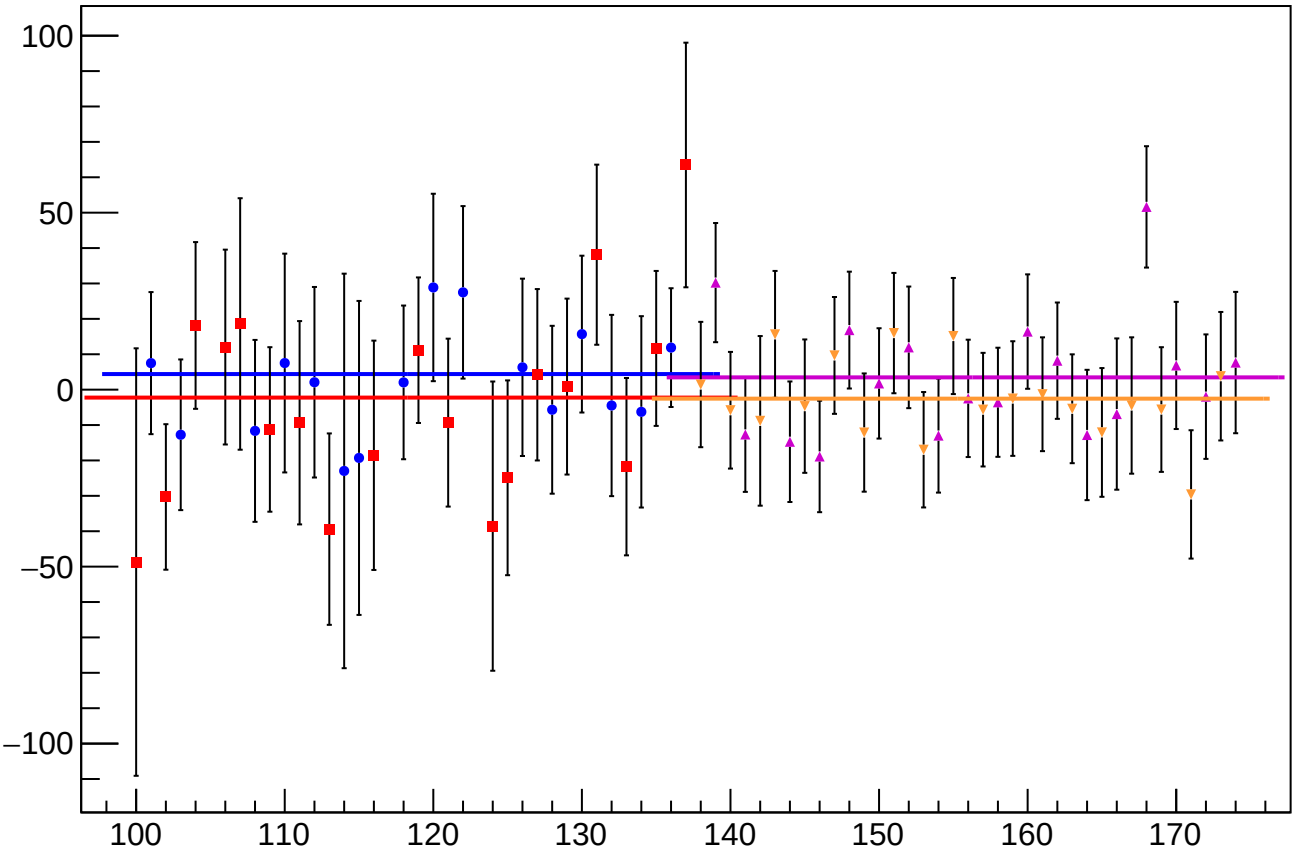
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.640+/-0.004 χ^2/NDF:15439.2/17

+ sign 21.753+/-0.003 χ^2/NDF: 32685.3/34

All: 21.722+/-0.002 χ^2/NDF: 67677.6/71

- sign 21.692+/-0.003 χ^2/NDF: 34814.9/36



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -2.542+/-3.967 χ^2/NDF:8.0/18

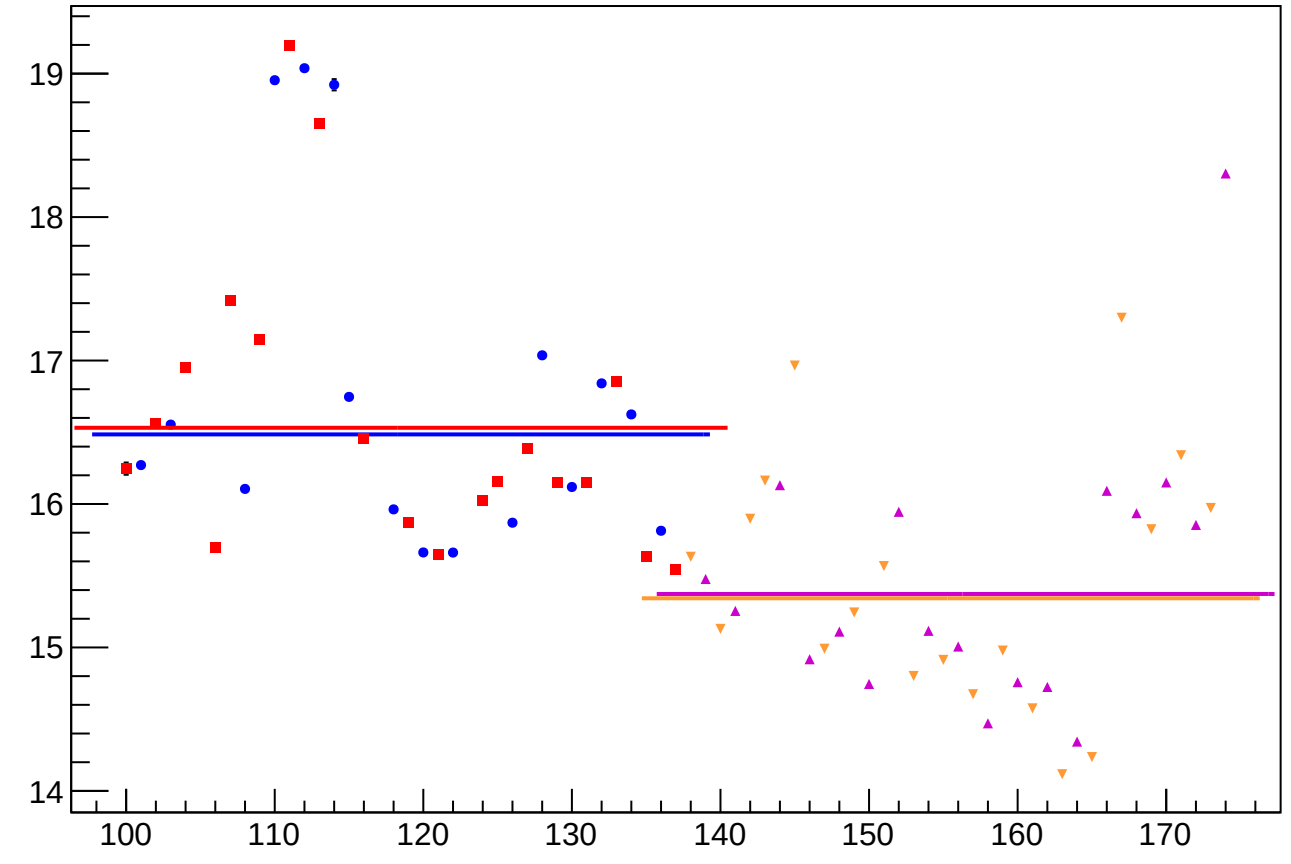
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 3.469+/-3.997 χ^2/NDF:18.8/17

+ sign -0.495+/-3.332 χ^2/NDF: 13.1/34

All: 0.617+/-2.356 χ^2/NDF: 48.1/71

- 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: 15.343+/-0.003 χ^2/NDF:85592.8/18

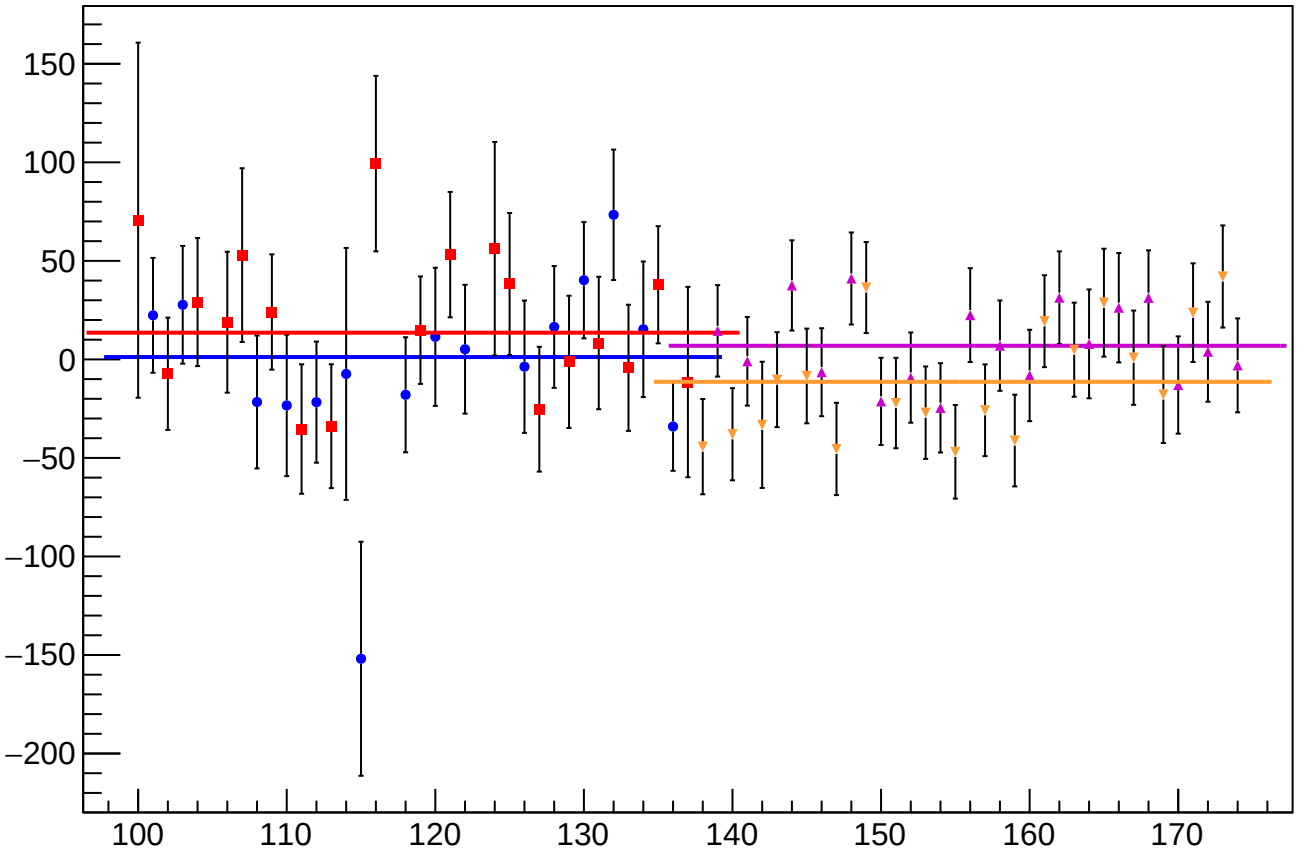
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.373+/-0.003 χ^2/NDF:85133.0/17

+ sign 15.679+/-0.002 χ^2/NDF: 181654.9/34

All: 15.702+/-0.002 χ^2/NDF: 364596.4/71

- 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: -11.384+/-5.567 χ^2/NDF:25.9/18

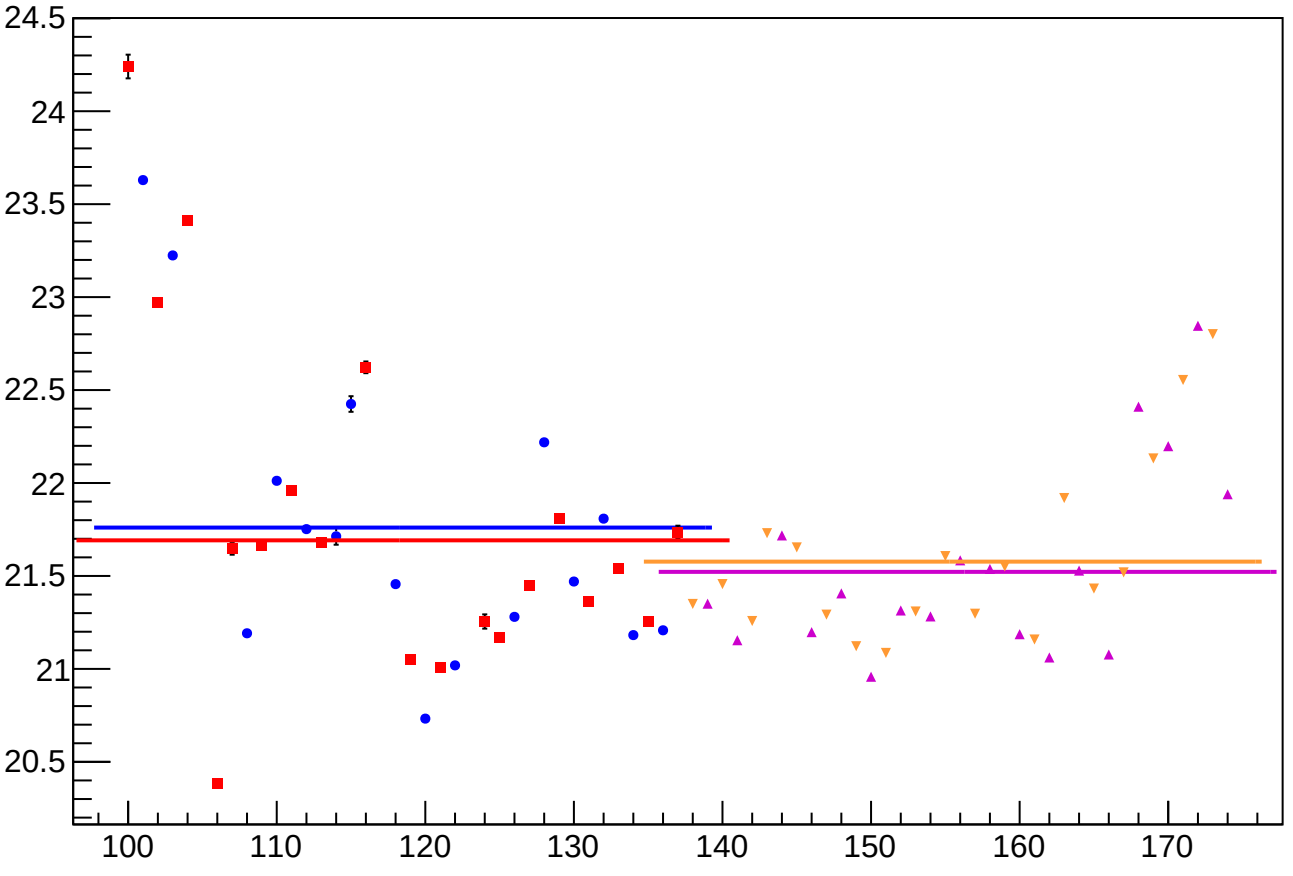
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 6.909+/-5.581 χ^2/NDF:12.8/17

\+ sign -7.343+/-4.586 χ^2/NDF: 46.9/34

All: 0.930+/-3.234 χ^2/NDF: 82.6/71

\- 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: 21.577+/-0.004 χ^2/NDF:12723.8/18

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

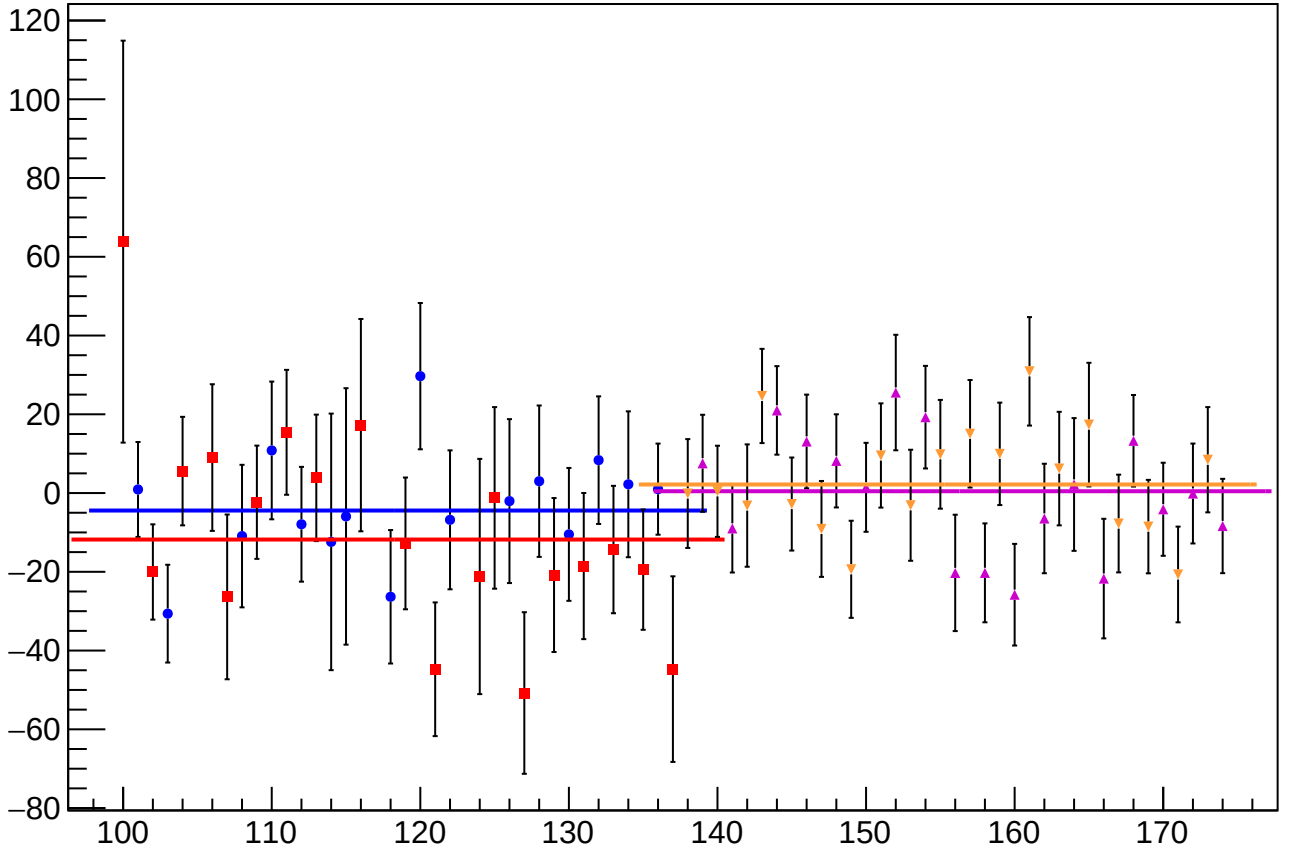
Left In: 21.522+/-0.004 χ^2/NDF:14954.1/17

+ sign 21.636+/-0.003 χ^2/NDF: 33165.6/34

All: 21.607+/-0.002 χ^2/NDF: 67222.2/71

- 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: 2.176+/-2.993 χ^2/NDF:20.4/18

Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

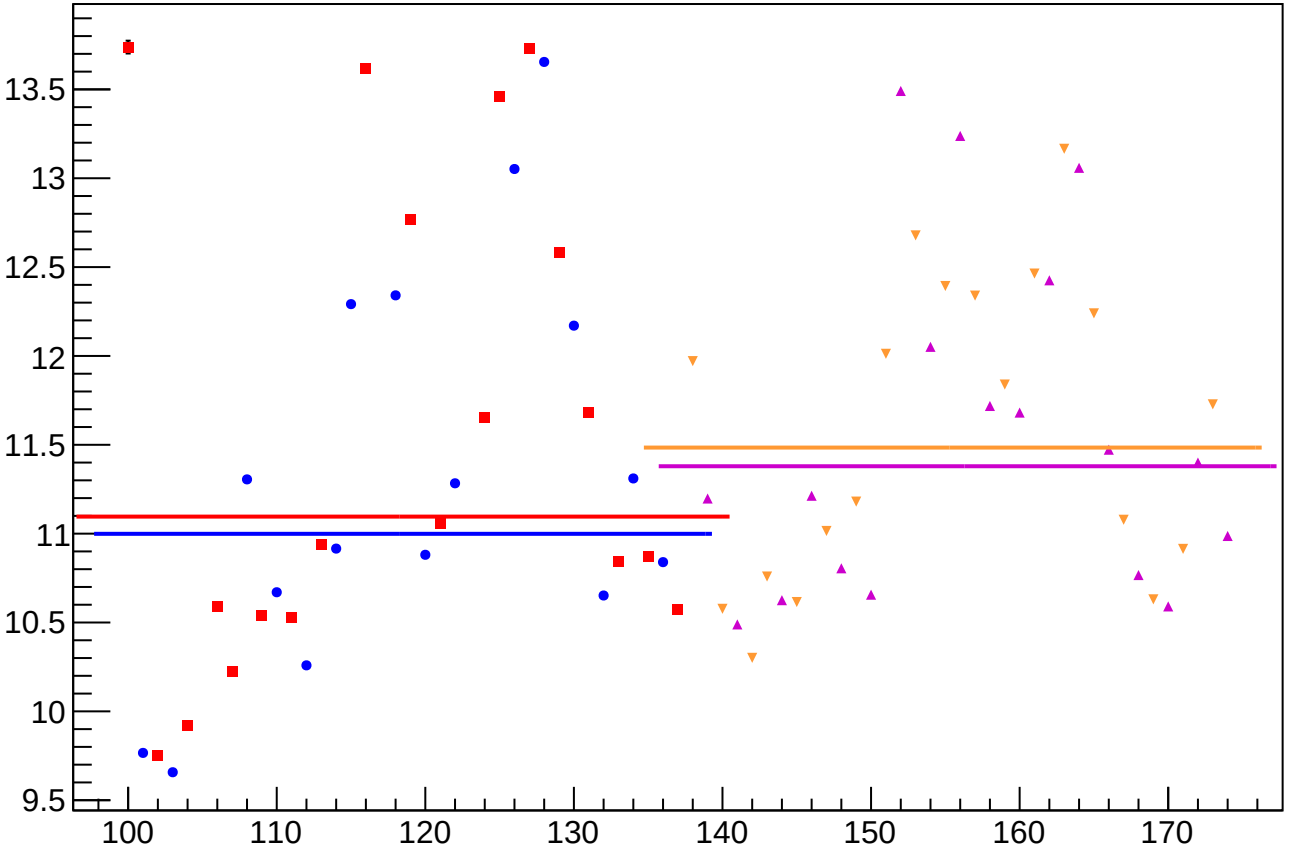
Left In: 0.462+/-2.978 χ^2/NDF:24.1/17

+ sign -0.101+/-2.423 χ^2/NDF: 34.0/34

All: -1.951+/-1.708 χ^2/NDF: 86.9/71

- sign -3.779+/-2.409 χ^2/NDF: 51.7/36

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.484+/-0.002 χ^2/NDF:143768.7/18

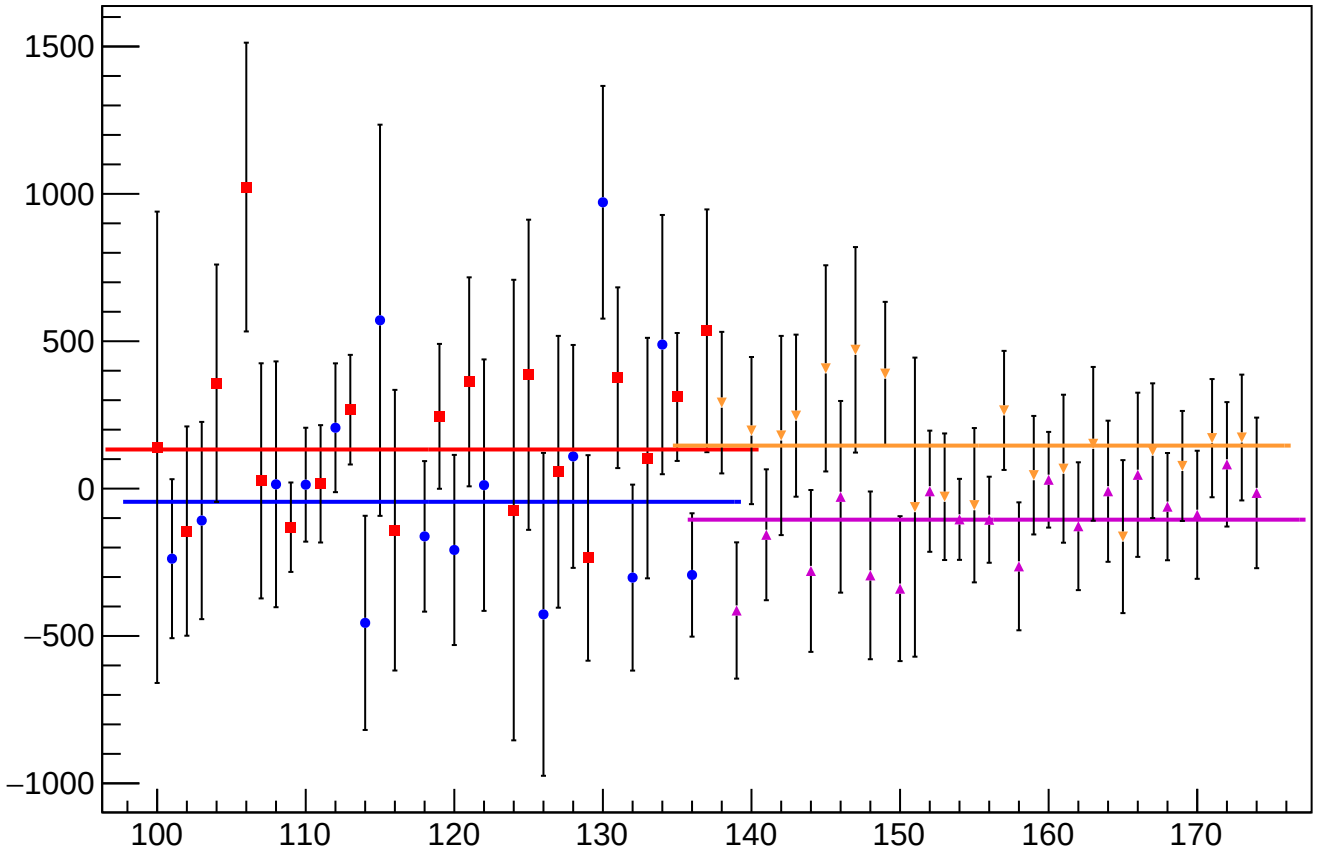
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.379+/-0.002 χ^2/NDF:164200.8/17

+ sign 11.317+/-0.002 χ^2/NDF: 298035.4/34

All: 11.299+/-0.001 χ^2/NDF: 631625.9/71

- 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: 145.948+/-56.069 χ^2/NDF:6.7/18

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

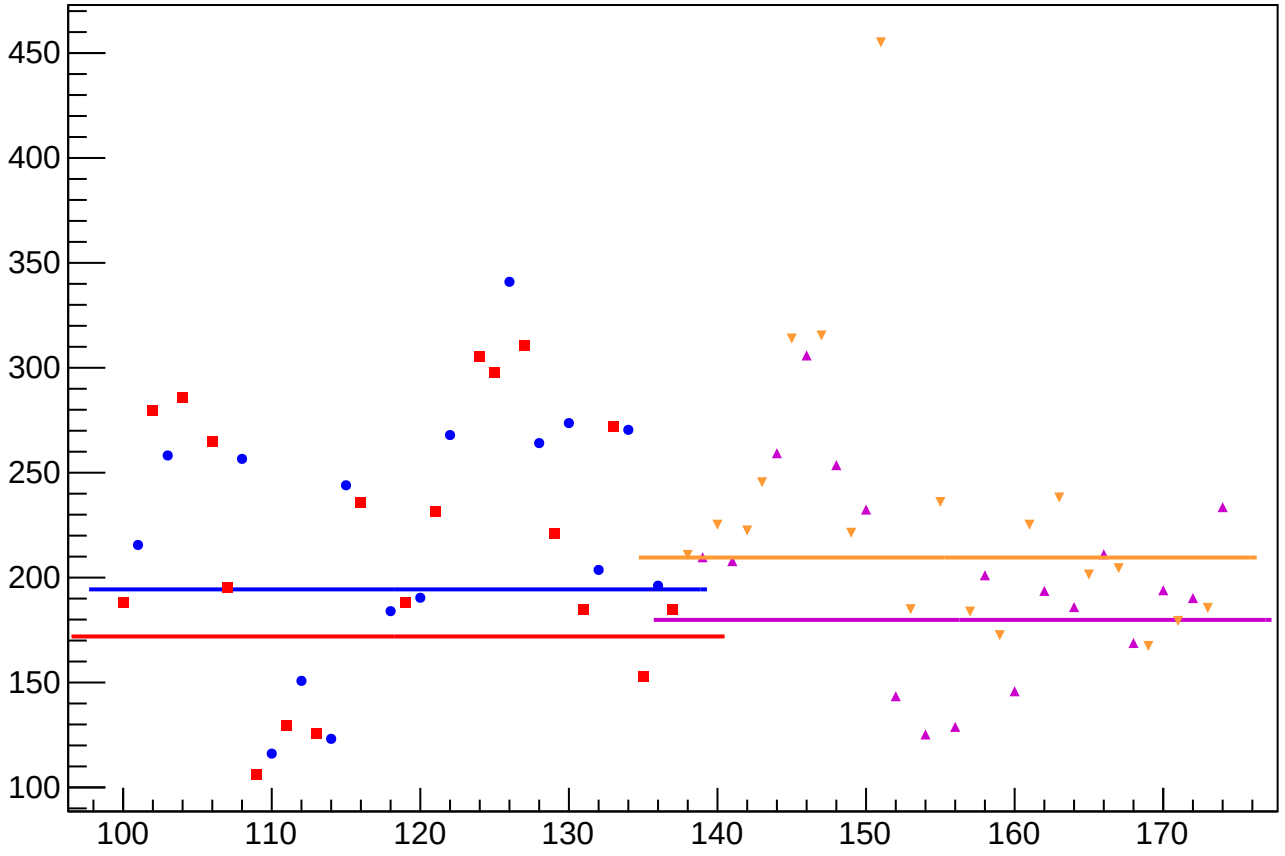
Left In: -105.412+/-49.145 χ^2/NDF:6.5/17

+ sign 79.204+/-45.207 χ^2/NDF: 26.2/34

All: 21.101+/-29.909 χ^2/NDF: 56.5/71

- 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: 209.564+/-0.040 χ^2/NDF:1234827.4/18

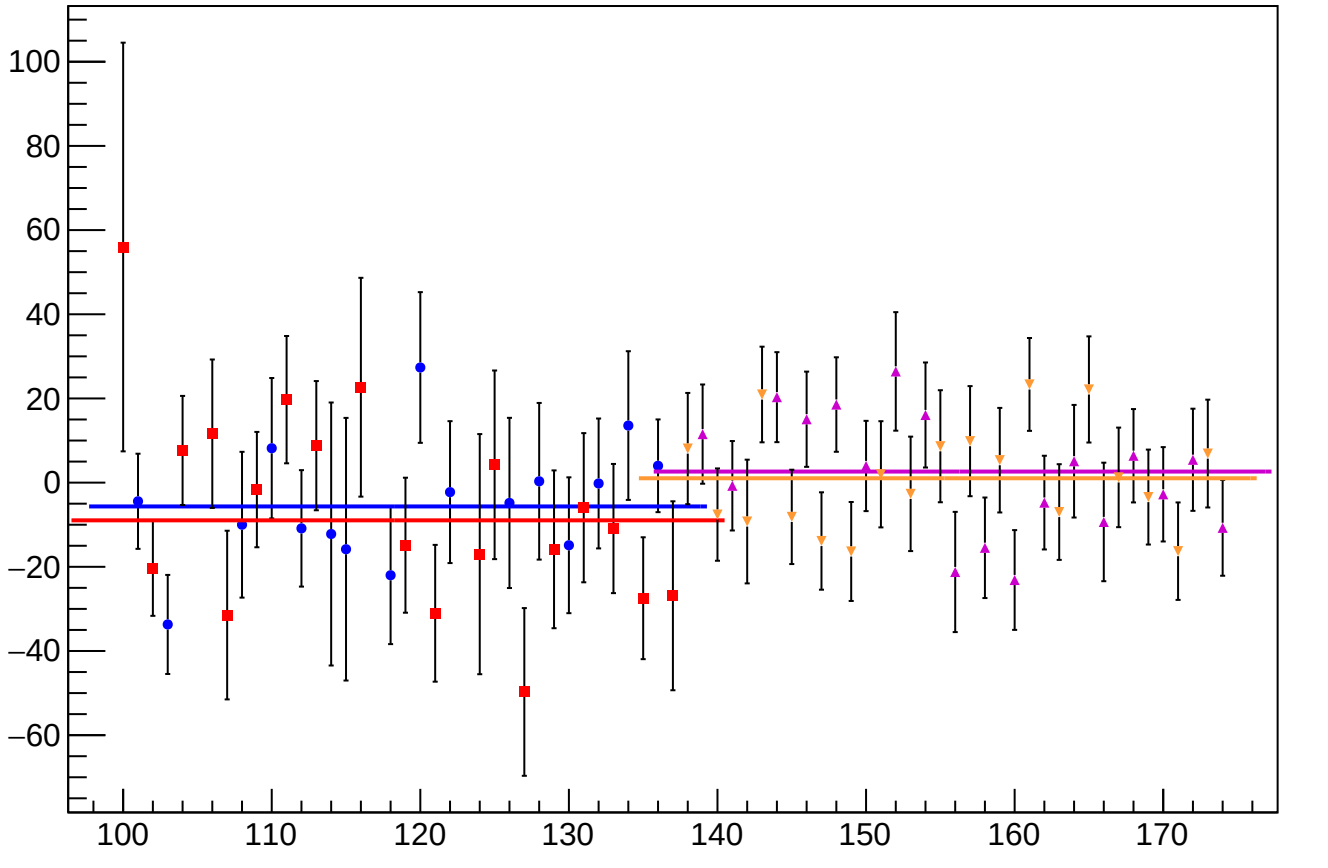
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 179.843+/-0.035 χ^2/NDF:1631981.5/17

+ sign 204.253+/-0.032 χ^2/NDF: 2328143.9/34

All: 189.012+/-0.021 χ^2/NDF: 6033347.4/71

- 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: 1.037+/-2.778 χ^2/NDF:20.0/18

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

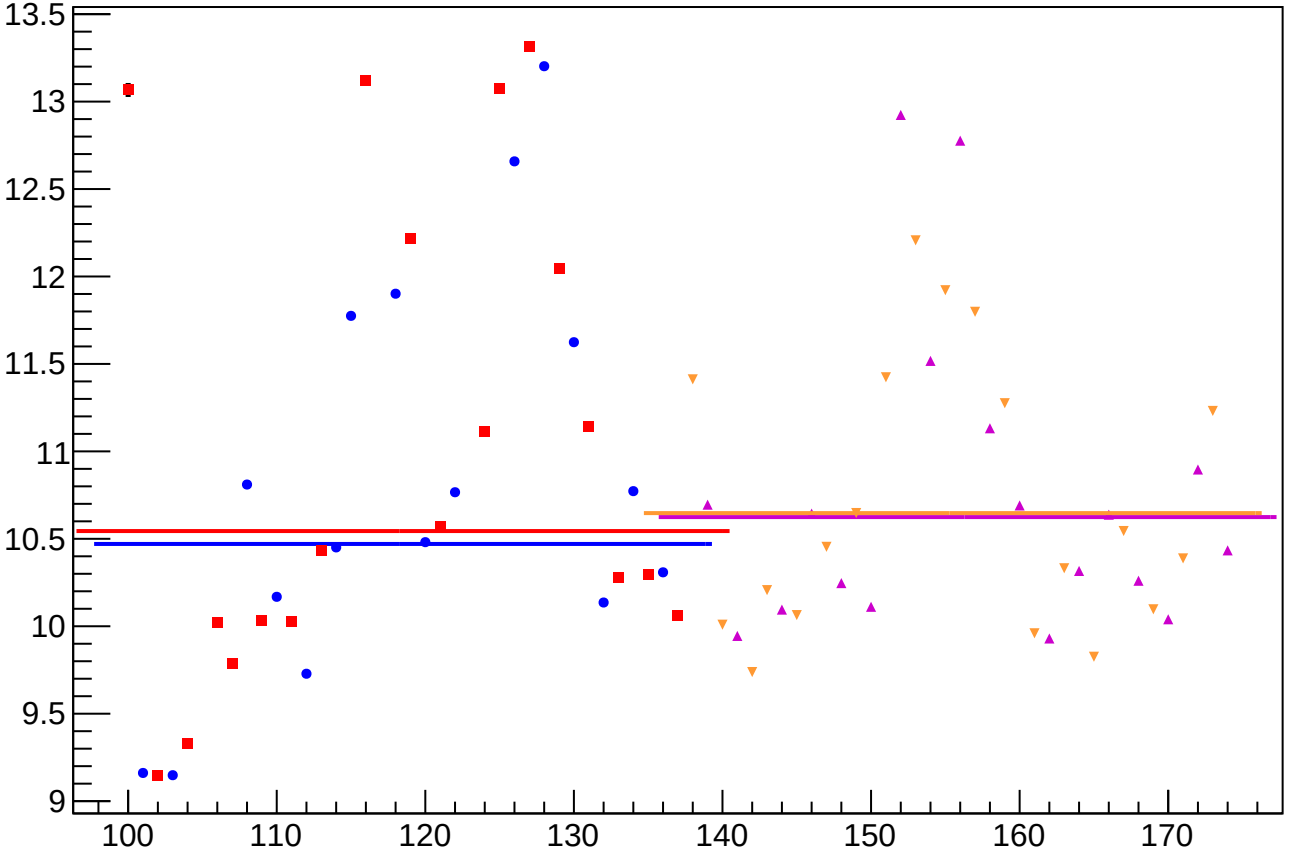
Left In: 2.631+/-2.784 χ^2/NDF:23.4/17

+ sign -1.187+/-2.270 χ^2/NDF: 35.6/34

All: -1.234+/-1.604 χ^2/NDF: 87.6/71

- sign -1.280+/-2.266 χ^2/NDF: 52.1/36

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.647+/-0.002 χ^2/NDF:130794.7/18

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

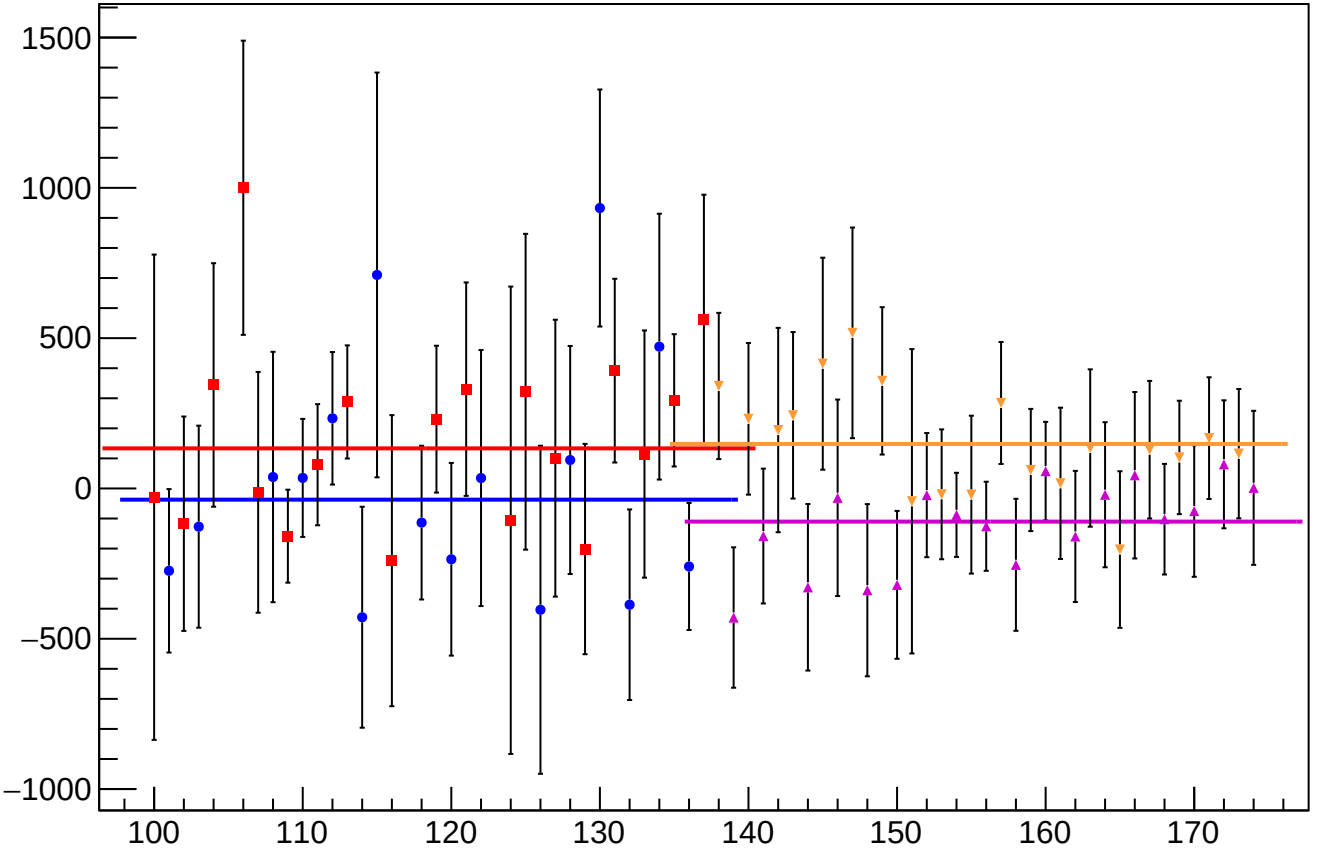
Left In: 10.624+/-0.002 χ^2/NDF:150665.5/17

+ sign 10.588+/-0.002 χ^2/NDF: 290839.8/34

All: 10.593+/-0.001 χ^2/NDF: 628857.4/71

- sign 10.597+/-0.002 χ^2/NDF: 338002.1/36

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 148.063+/-56.454 χ^2/NDF:7.3/18

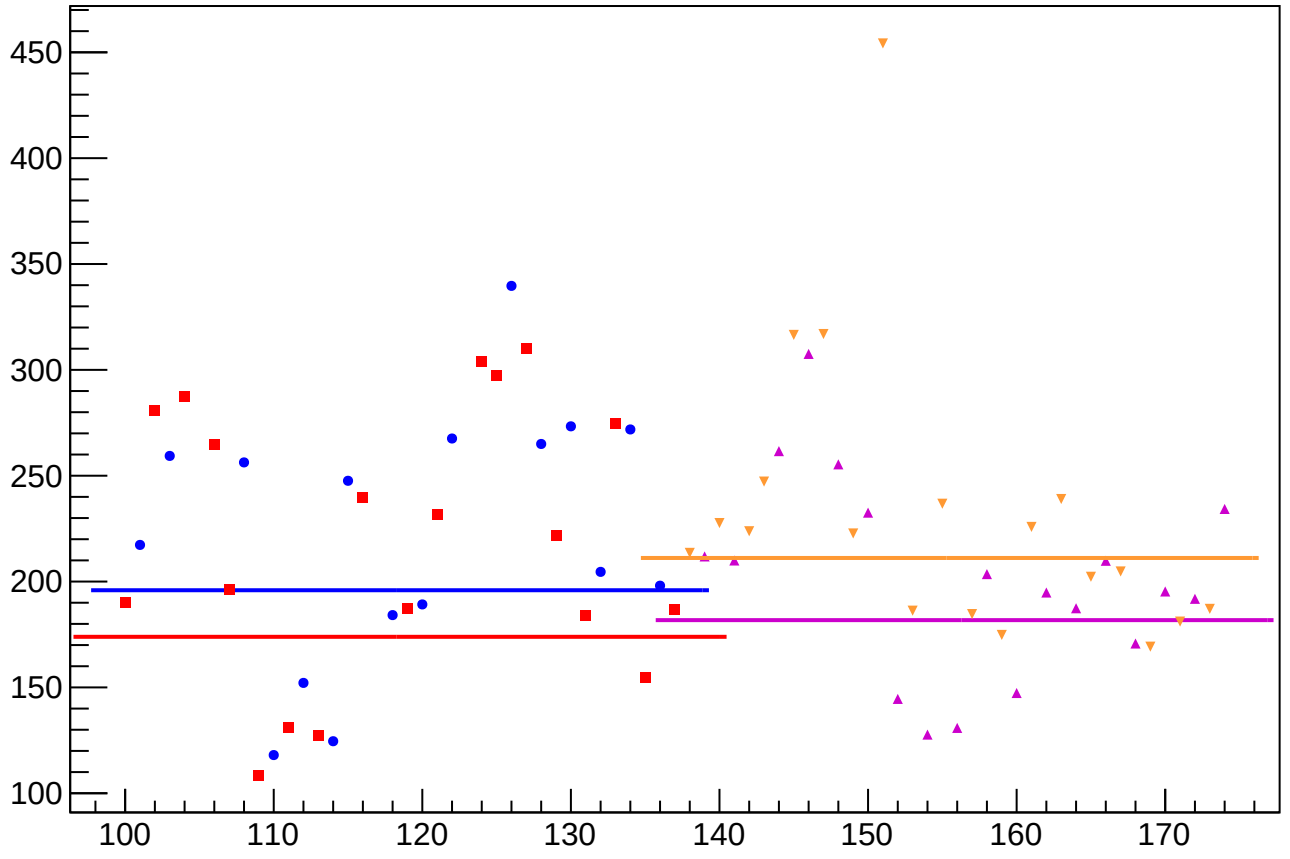
Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: -110.289+/-49.611 χ^2/NDF:7.2/17

+ sign 83.185+/-45.511 χ^2/NDF: 26.7/34

All: 21.333+/-30.153 χ^2/NDF: 58.3/71

- sign -27.065+/-40.258 χ^2/NDF: 28.3/36



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 211.145+/-0.040 χ^2/NDF:1216525.3/18

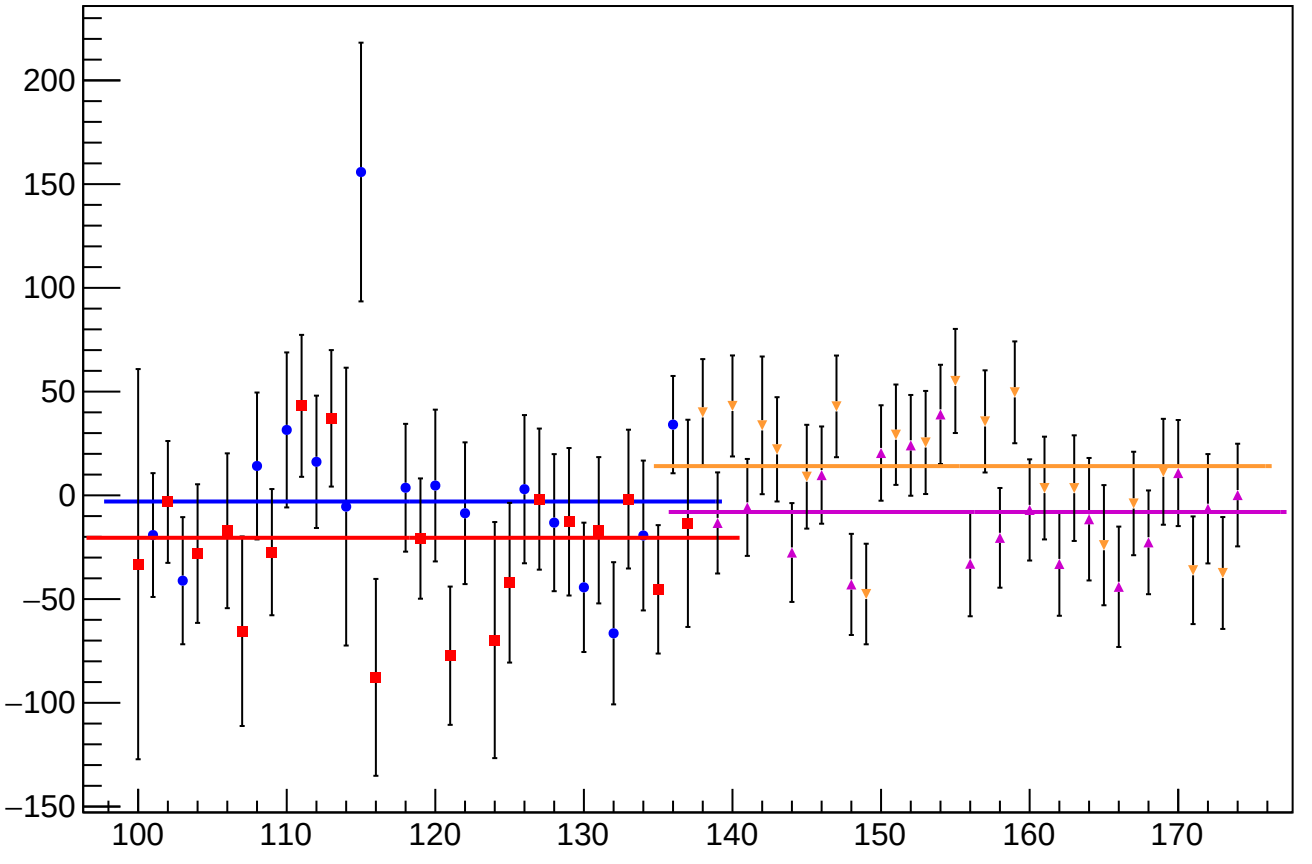
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 181.779+/-0.035 χ^2/NDF:1583711.9/17

+ sign 205.807+/-0.032 χ^2/NDF: 2278599.4/34

All: 190.817+/-0.021 χ^2/NDF: 5865868.6/71

- 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: 14.092+/-5.846 χ^2/NDF:26.9/18

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

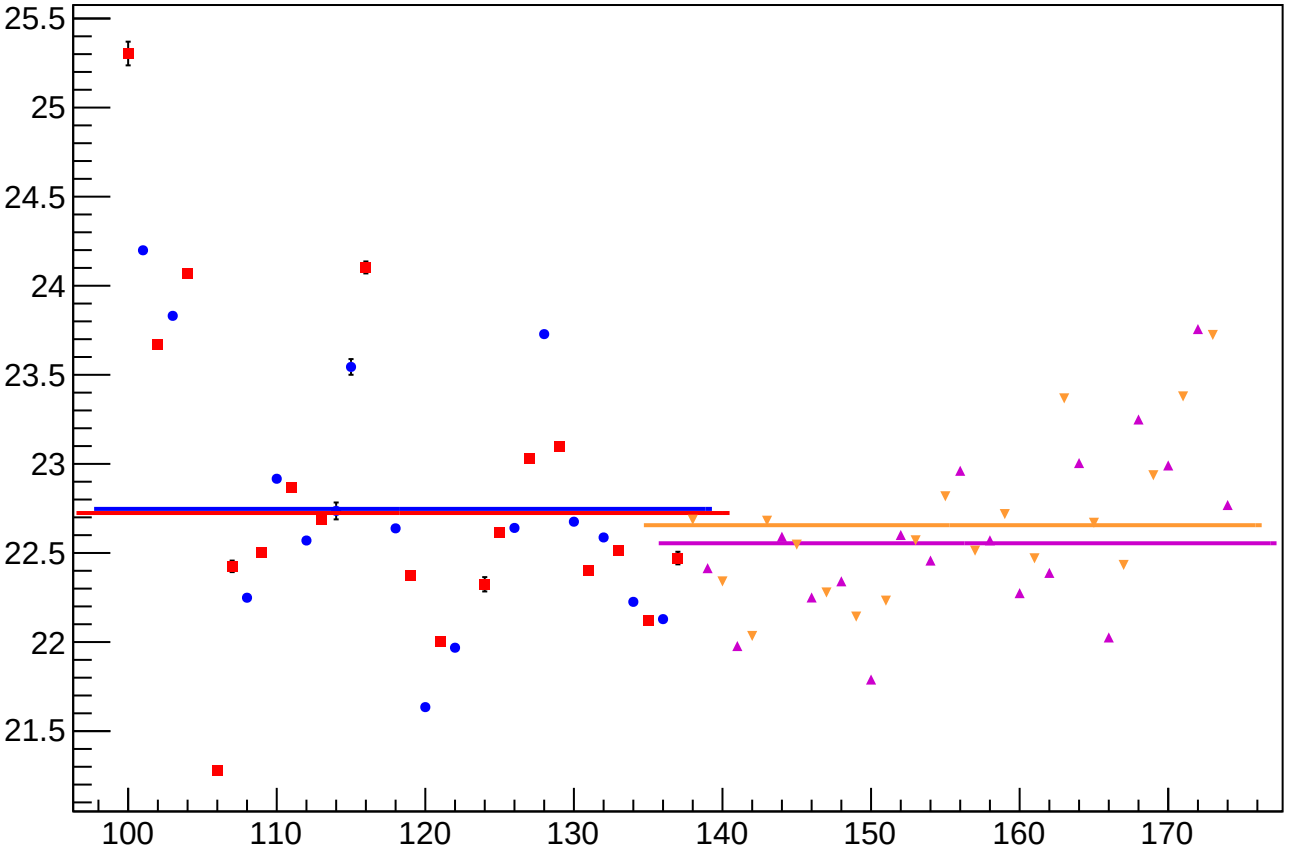
Left In: -8.024+/-5.849 χ^2/NDF:15.3/17

+ sign 8.573+/-4.809 χ^2/NDF: 47.6/34

All: -1.853+/-3.390 χ^2/NDF: 89.0/71

- 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: 22.656+/-0.004 χ^2/NDF:10019.2/18

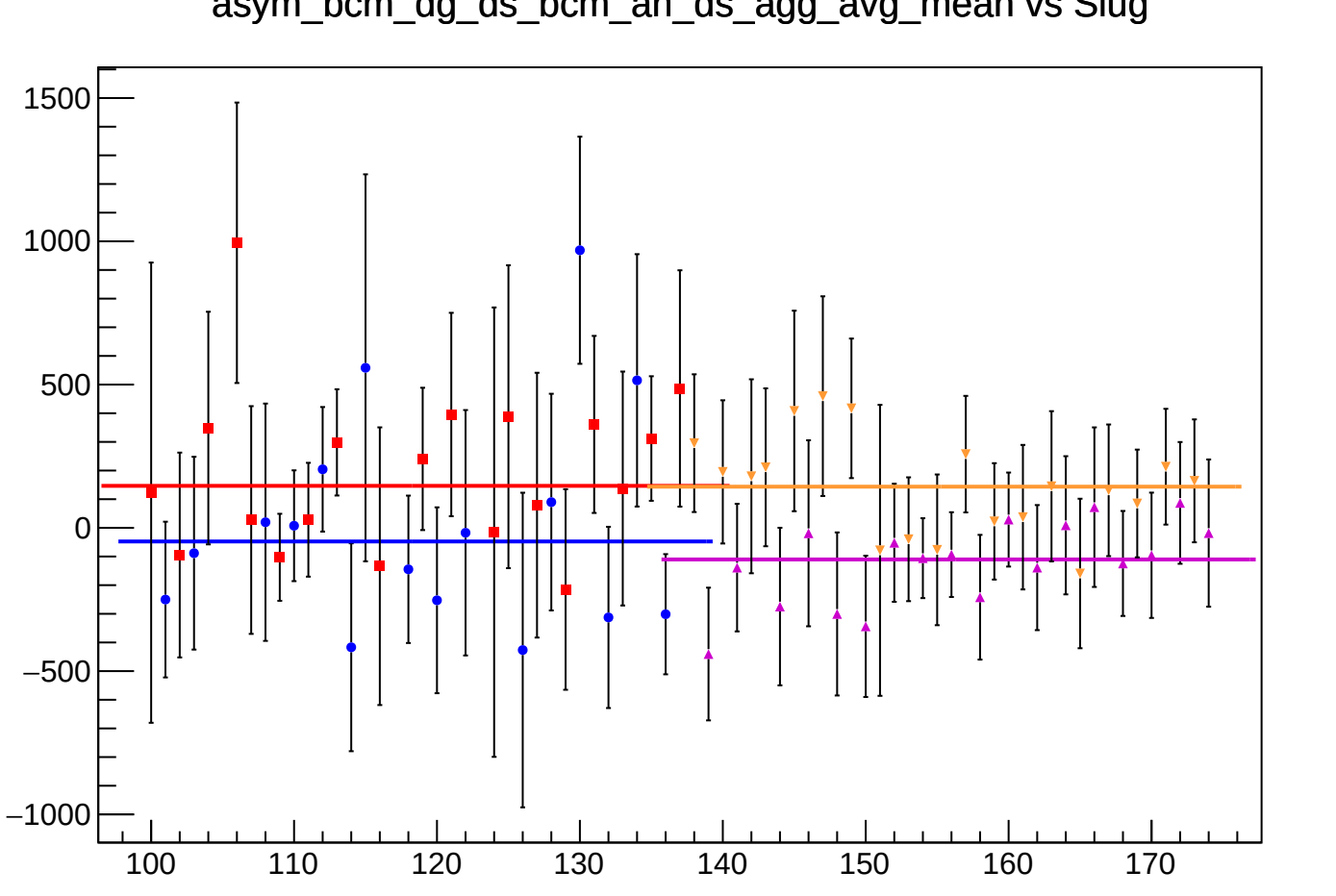
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.554+/-0.004 χ^2/NDF:12471.4/17

+ sign 22.686+/-0.003 χ^2/NDF: 24800.6/34

All: 22.648+/-0.002 χ^2/NDF: 52564.9/71

- 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: 143.713+/-56.334 χ^2/NDF:7.2/18

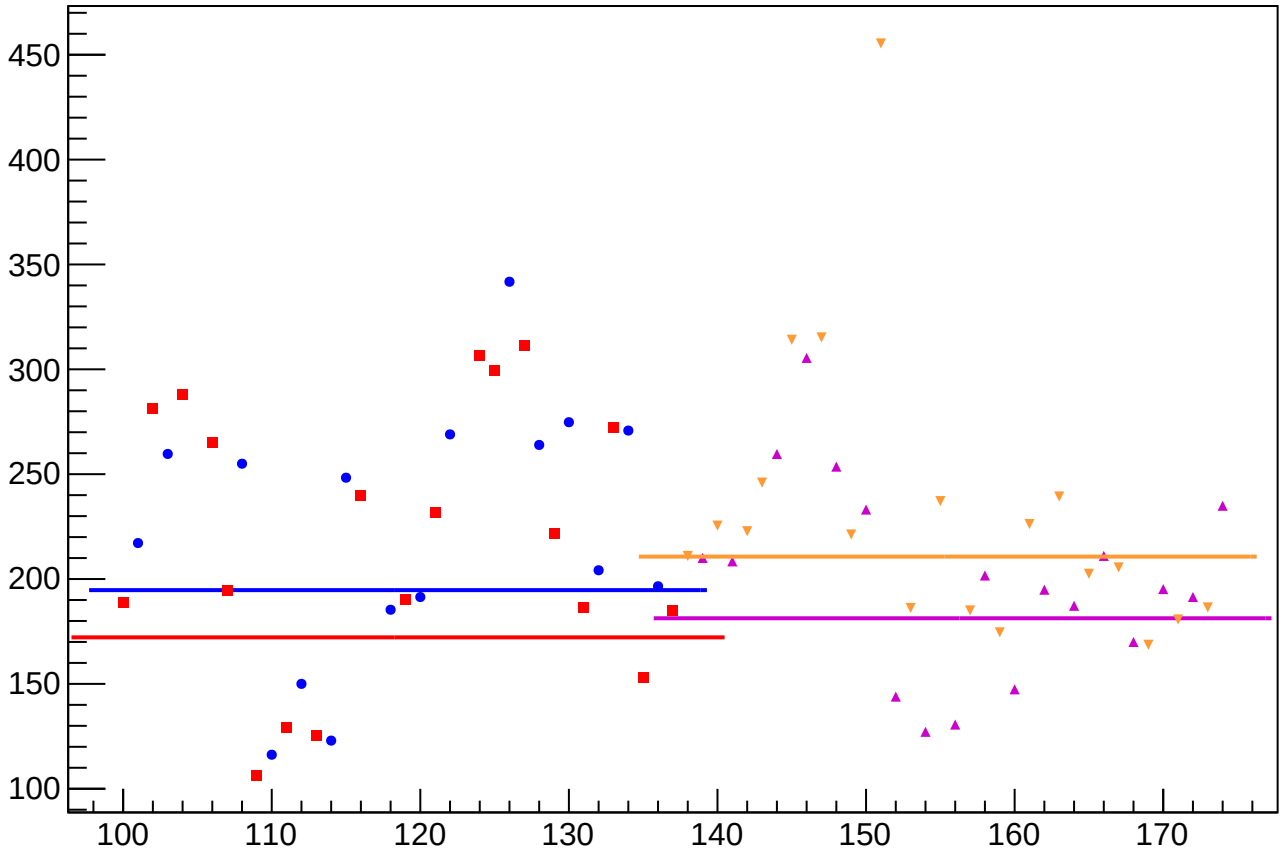
Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: -110.281+/-49.483 χ^2/NDF:6.7/17

+ sign 76.554+/-45.377 χ^2/NDF: 26.6/34

All: 21.186+/-30.045 χ^2/NDF: 56.8/71

- sign -22.034+/-40.091 χ^2/NDF: 27.5/36



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 210.690+/-0.040 χ^2/NDF:1210286.8/18

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

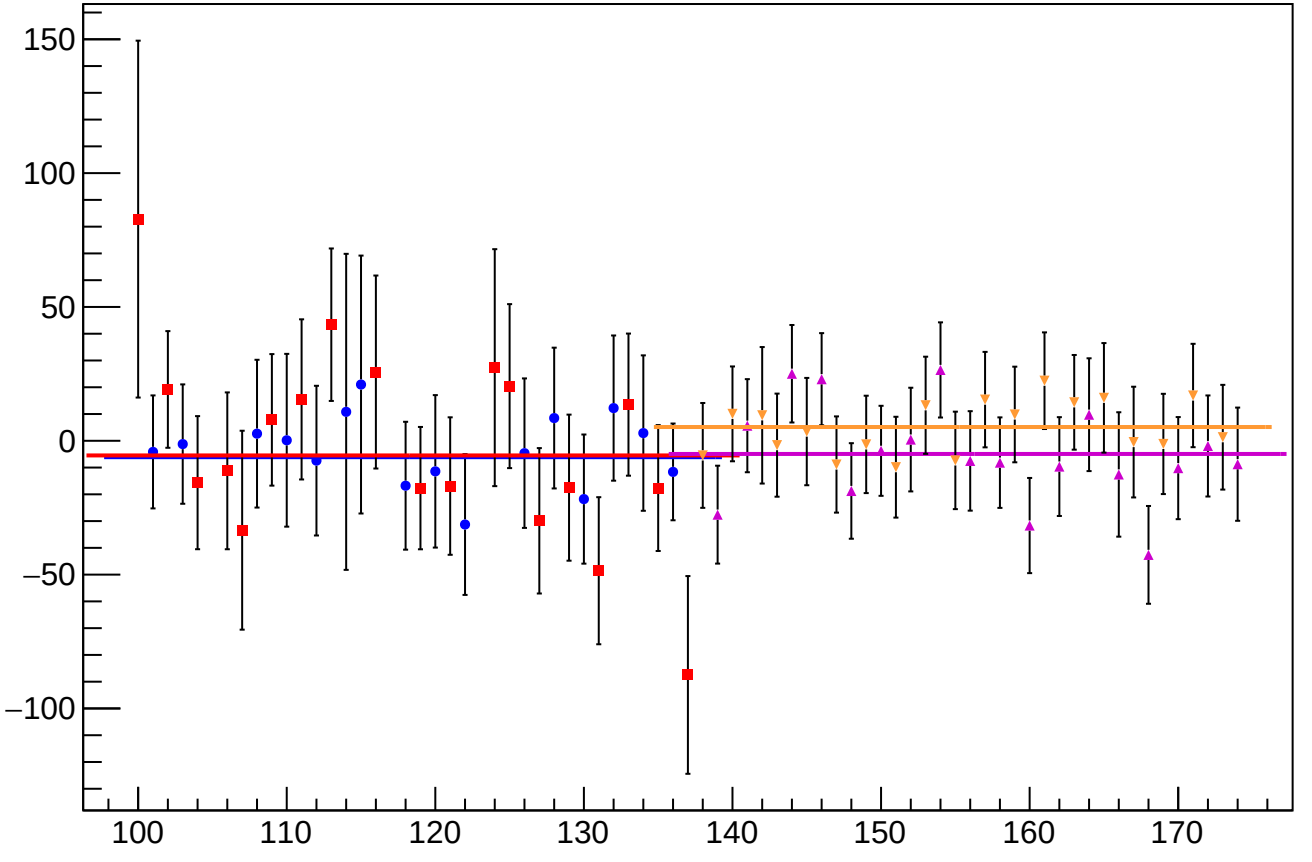
Left In: 181.289+/-0.035 χ^2/NDF:1577258.5/17

+ sign 205.078+/-0.032 χ^2/NDF: 2319109.4/34

All: 189.961+/-0.021 χ^2/NDF: 5985894.7/71

- sign 178.161+/-0.028 χ^2/NDF: 3271580.2/36

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.143+/-4.347 χ^2/NDF:5.0/18

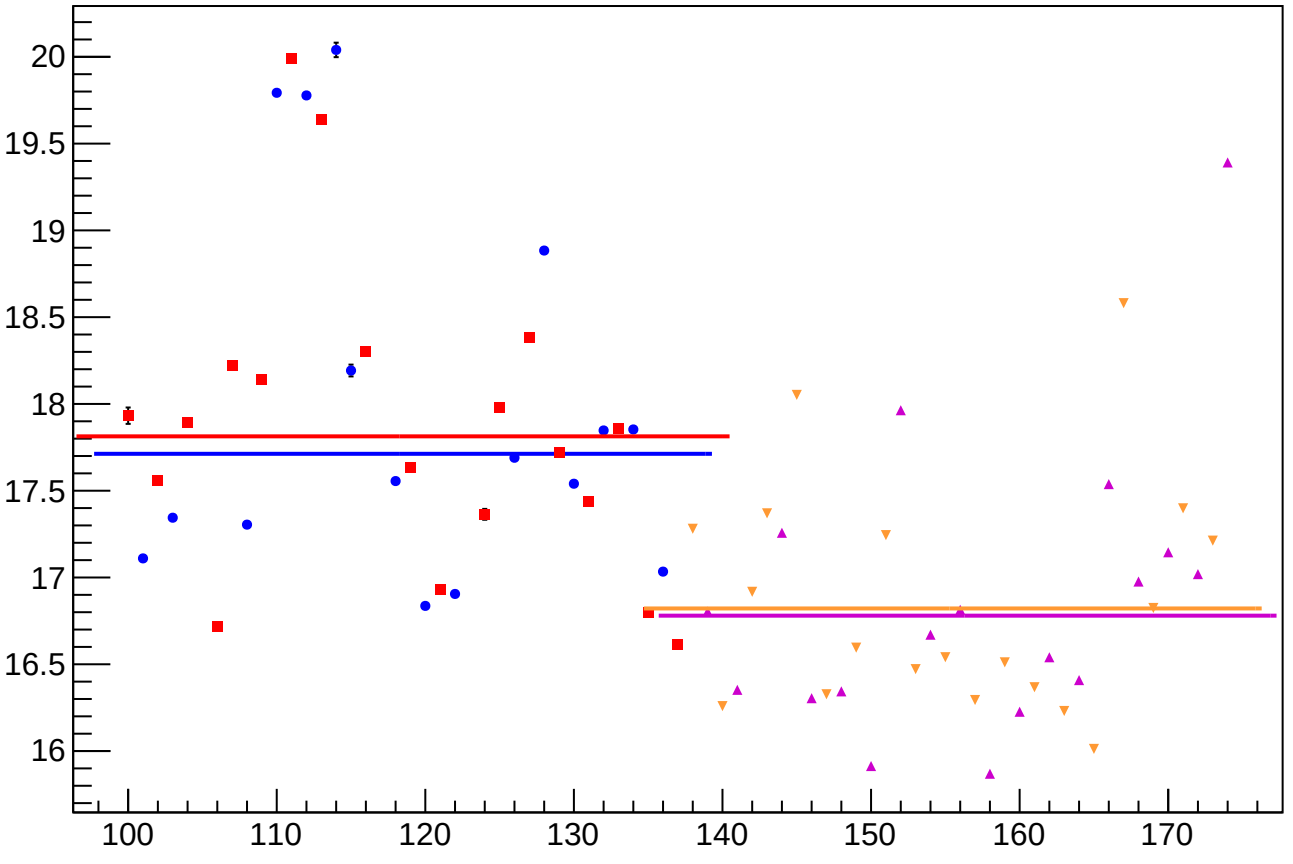
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: -4.919+/-4.361 χ^2/NDF:18.4/17

+ sign 1.730+/-3.629 χ^2/NDF: 10.2/34

All: -1.685+/-2.564 χ^2/NDF: 49.6/71

- 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: 16.822+/-0.003 χ^2/NDF:42374.7/18

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

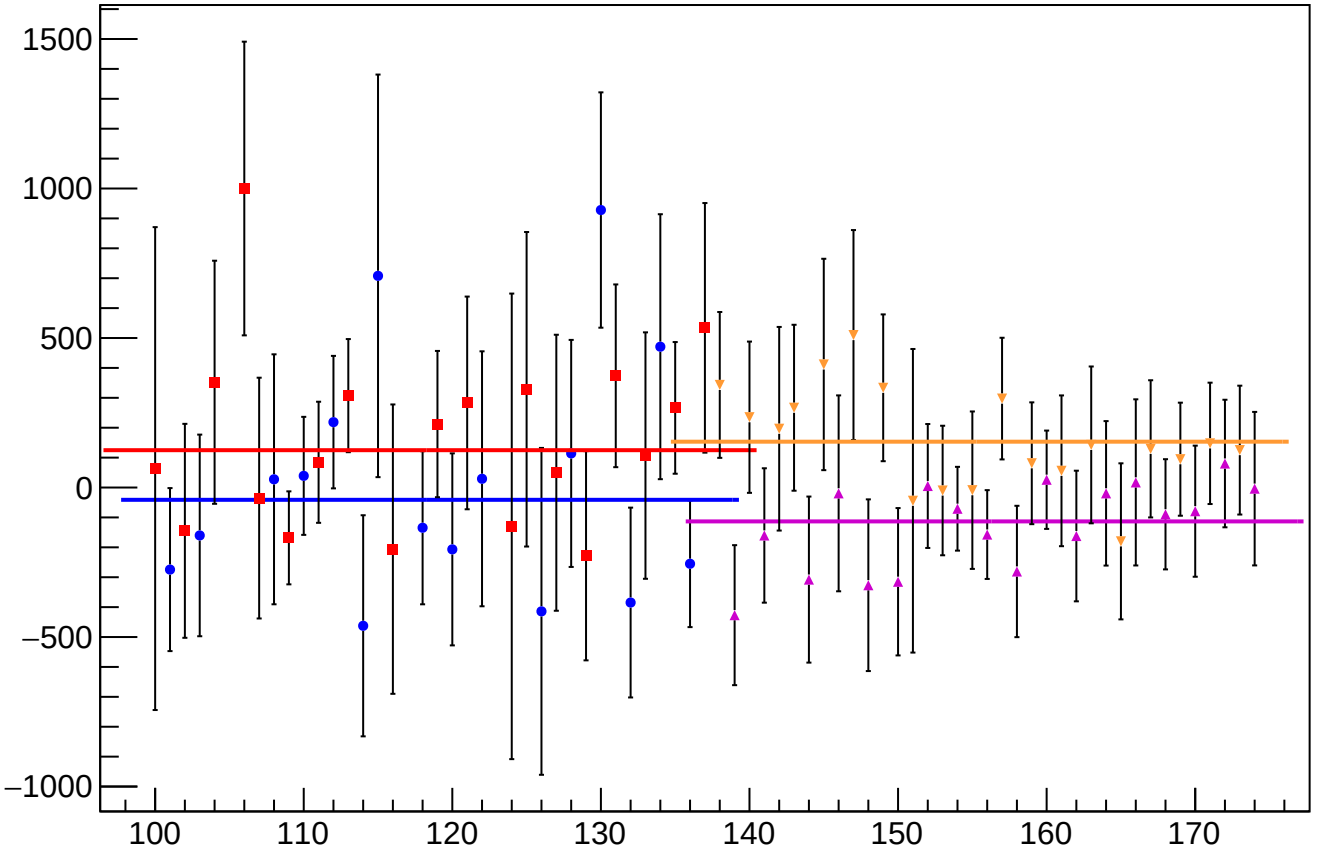
Left In: 16.780+/-0.003 χ^2/NDF:60780.3/17

\+ sign 17.092+/-0.003 χ^2/NDF: 103823.7/34

All: 17.096+/-0.002 χ^2/NDF: 232101.0/71

\- sign 17.100+/-0.003 χ^2/NDF: 128271.7/36

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 153.311+/-56.576 χ^2/NDF:6.6/18

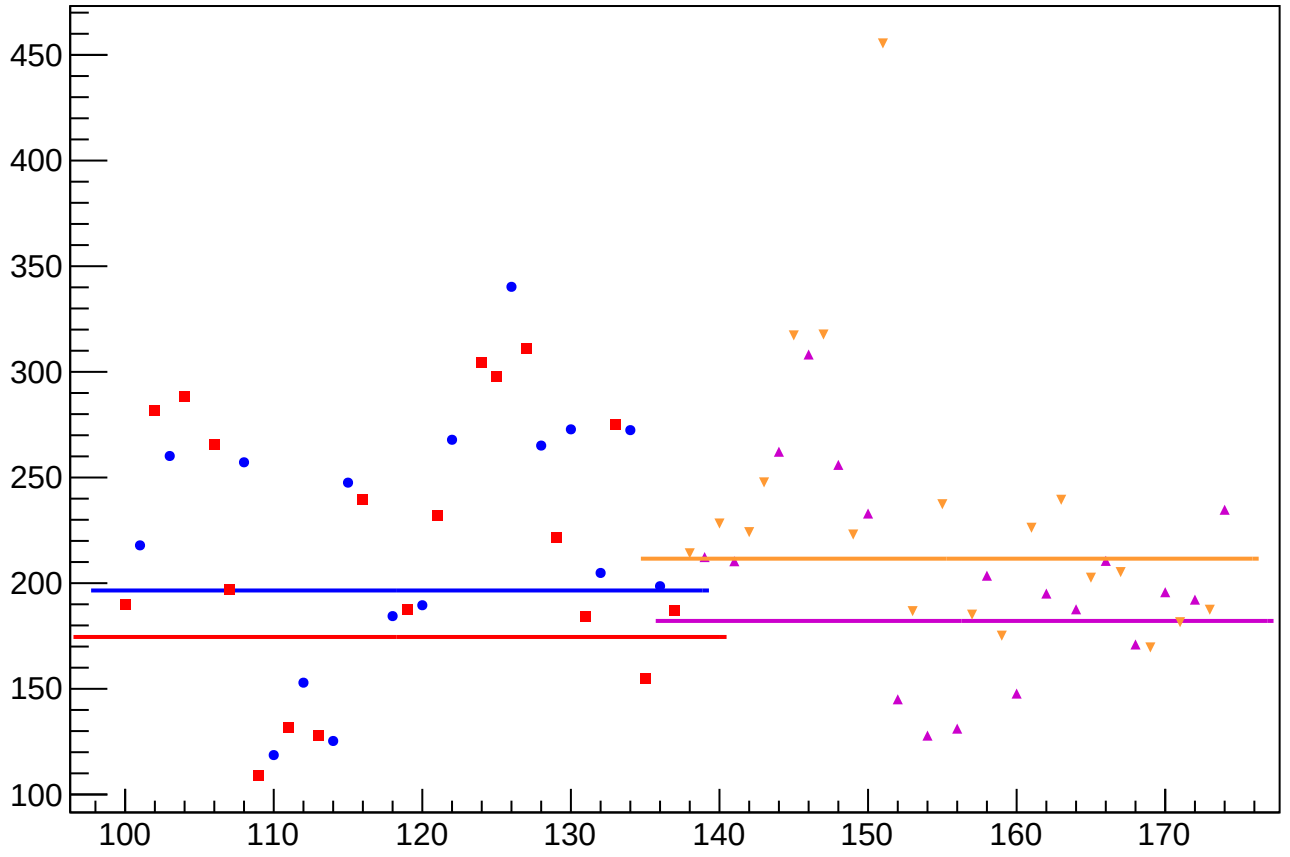
Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: -113.318+/-49.708 χ^2/NDF:6.9/17

+ sign 85.307+/-45.621 χ^2/NDF: 26.4/34

All: 19.435+/-30.226 χ^2/NDF: 57.7/71

- 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: 211.597+/-0.040 χ^2/NDF:1216948.8/18

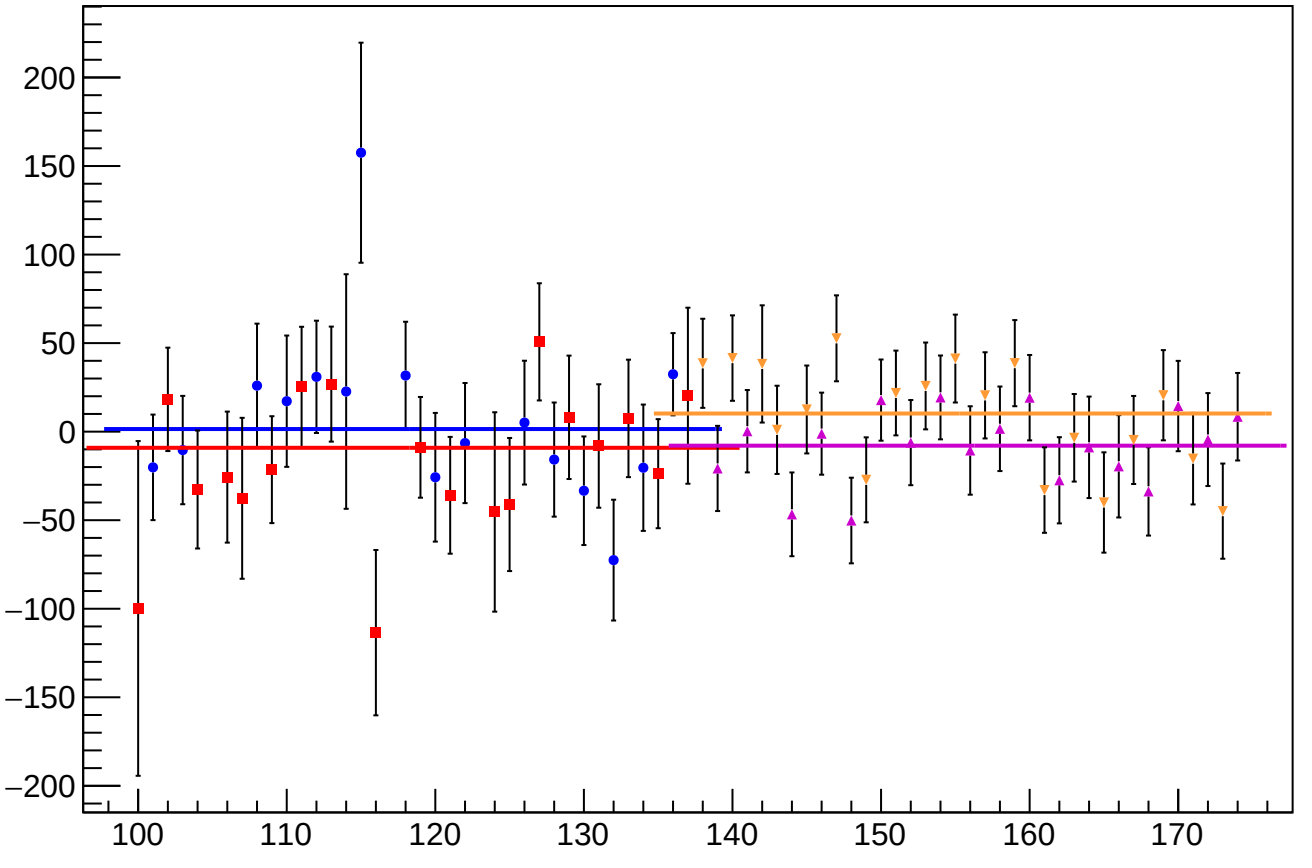
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 182.132+/-0.035 χ^2/NDF:1583727.6/17

+ sign 206.331+/-0.032 χ^2/NDF: 2267252.0/34

All: 191.302+/-0.021 χ^2/NDF: 5842487.0/71

- 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: 10.245+/-5.780 χ^2/NDF:25.4/18

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

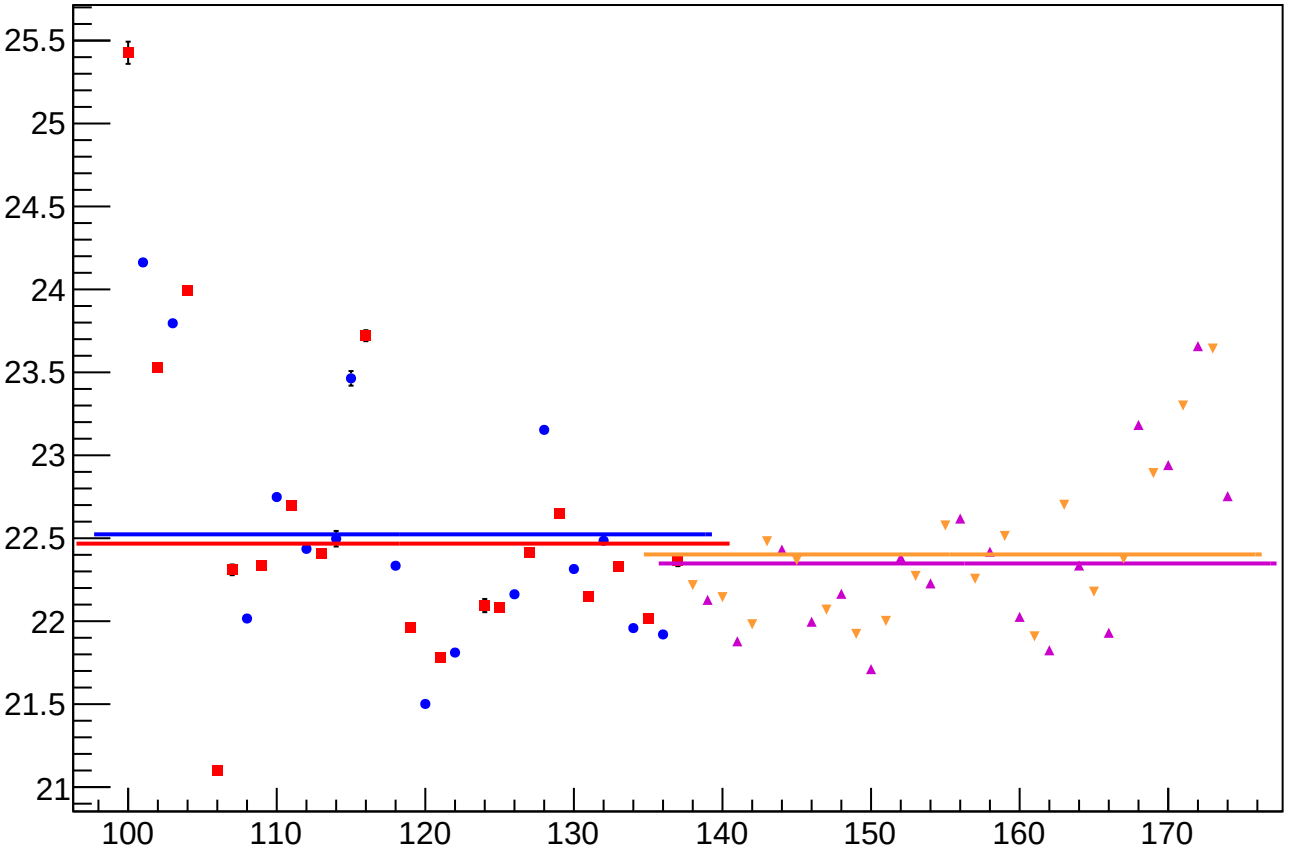
Left In: -7.917+/-5.795 χ^2/NDF:13.4/17

+ sign 7.413+/-4.756 χ^2/NDF: 44.8/34

All: -0.491+/-3.355 χ^2/NDF: 80.2/71

- 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: 22.402+/-0.004 χ^2/NDF:11357.7/18

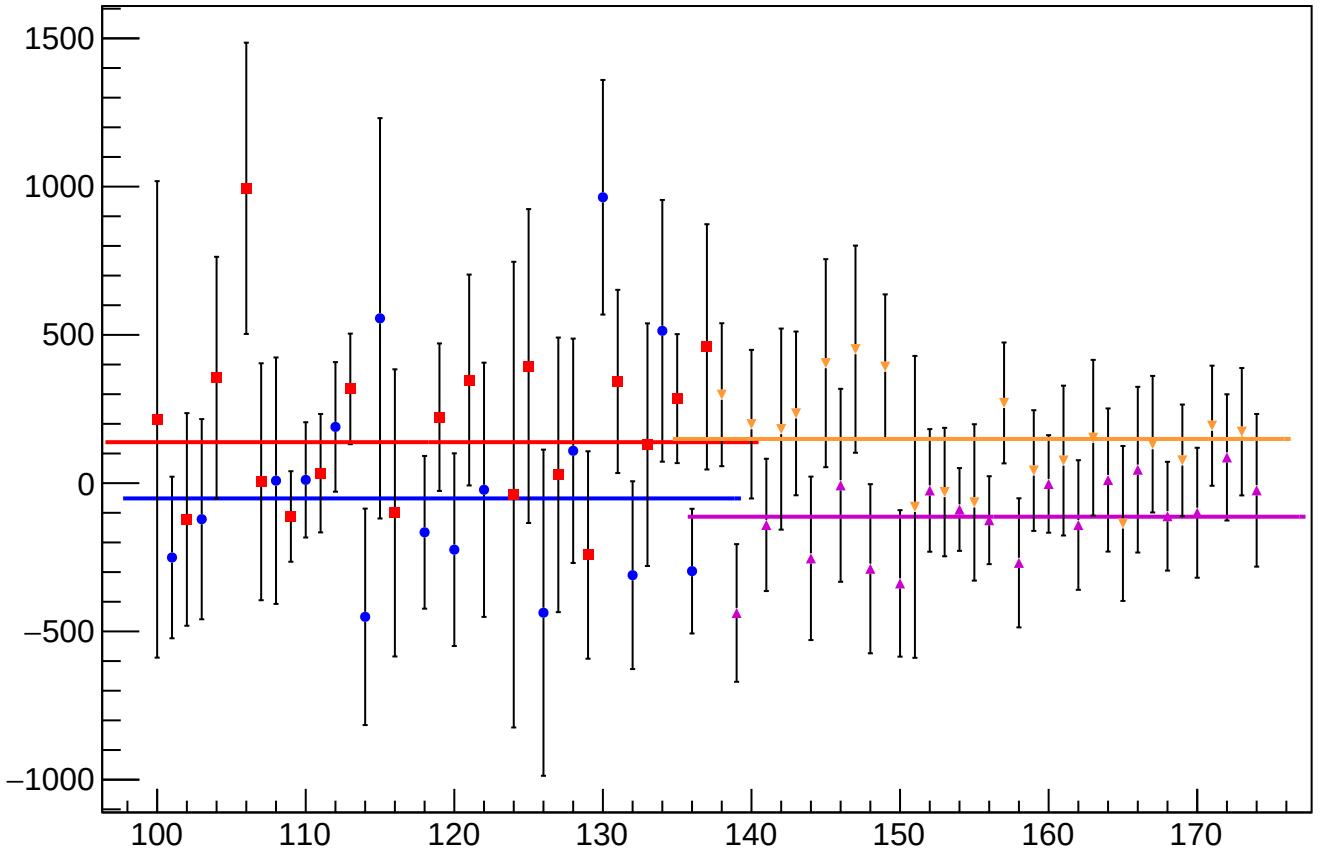
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.348+/-0.004 χ^2/NDF:13978.8/17

+ sign 22.442+/-0.003 χ^2/NDF: 27589.2/34

All: 22.415+/-0.002 χ^2/NDF: 57606.6/71

- 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: 149.035+/-56.456 χ^2/NDF:6.5/18

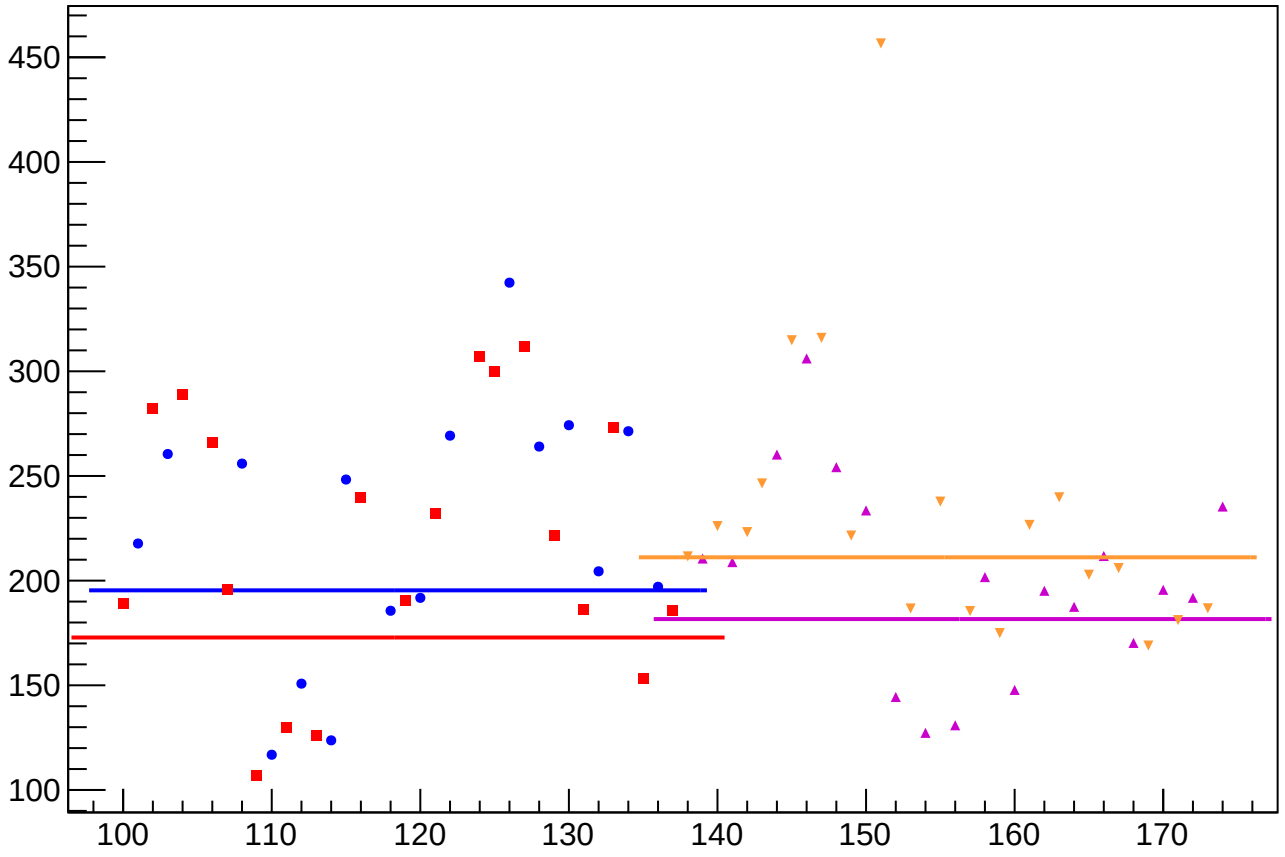
Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: -113.219+/-49.579 χ^2/NDF:6.3/17

+ sign 78.686+/-45.487 χ^2/NDF: 26.2/34

All: 19.331+/-30.117 χ^2/NDF: 56.0/71

- sign -26.999+/-40.188 χ^2/NDF: 26.8/36



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 211.142+/-0.040 χ^2/NDF:1210699.9/18

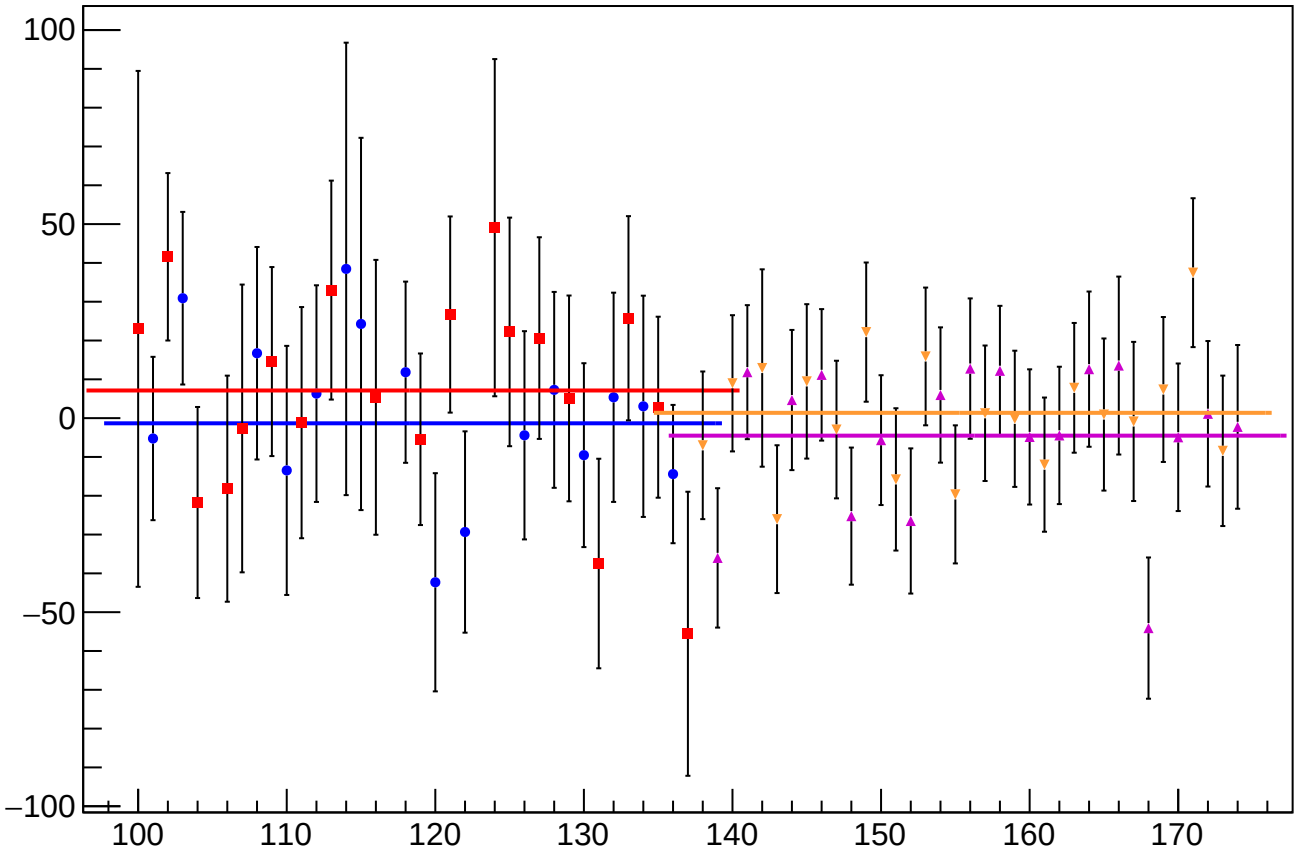
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 181.639+/-0.035 χ^2/NDF:1577402.7/17

+ sign 205.606+/-0.032 χ^2/NDF: 2306957.7/34

All: 190.450+/-0.021 χ^2/NDF: 5960727.3/71

- 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: 1.367+/-4.259 χ^2/NDF:11.8/18

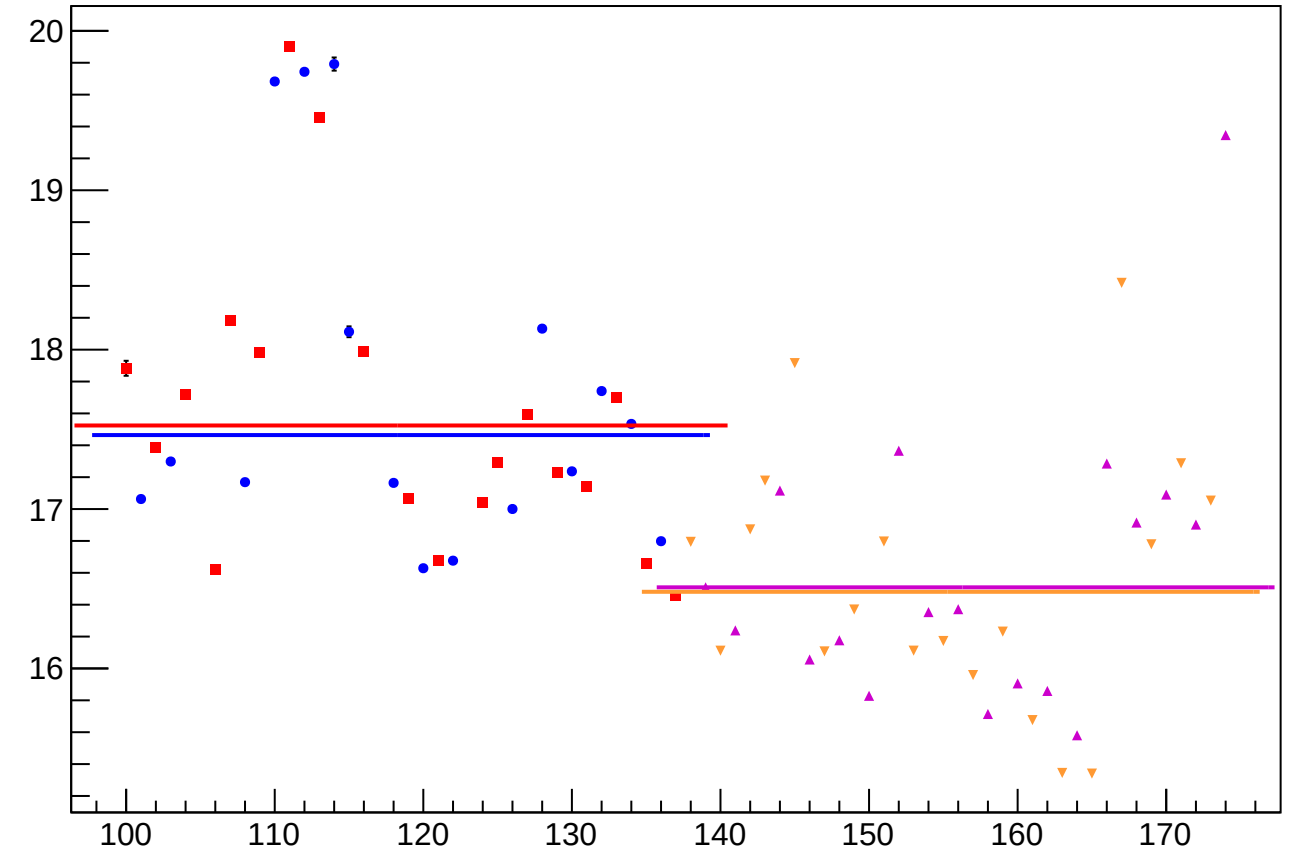
Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: -4.513+/-4.290 χ^2/NDF:19.0/17

+ sign 0.556+/-3.562 χ^2/NDF: 20.0/34

All: -0.174+/-2.520 χ^2/NDF: 55.8/71

- sign -0.905+/-3.564 χ^2/NDF: 35.7/36



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.481+/-0.003 χ^2/NDF:64215.0/18

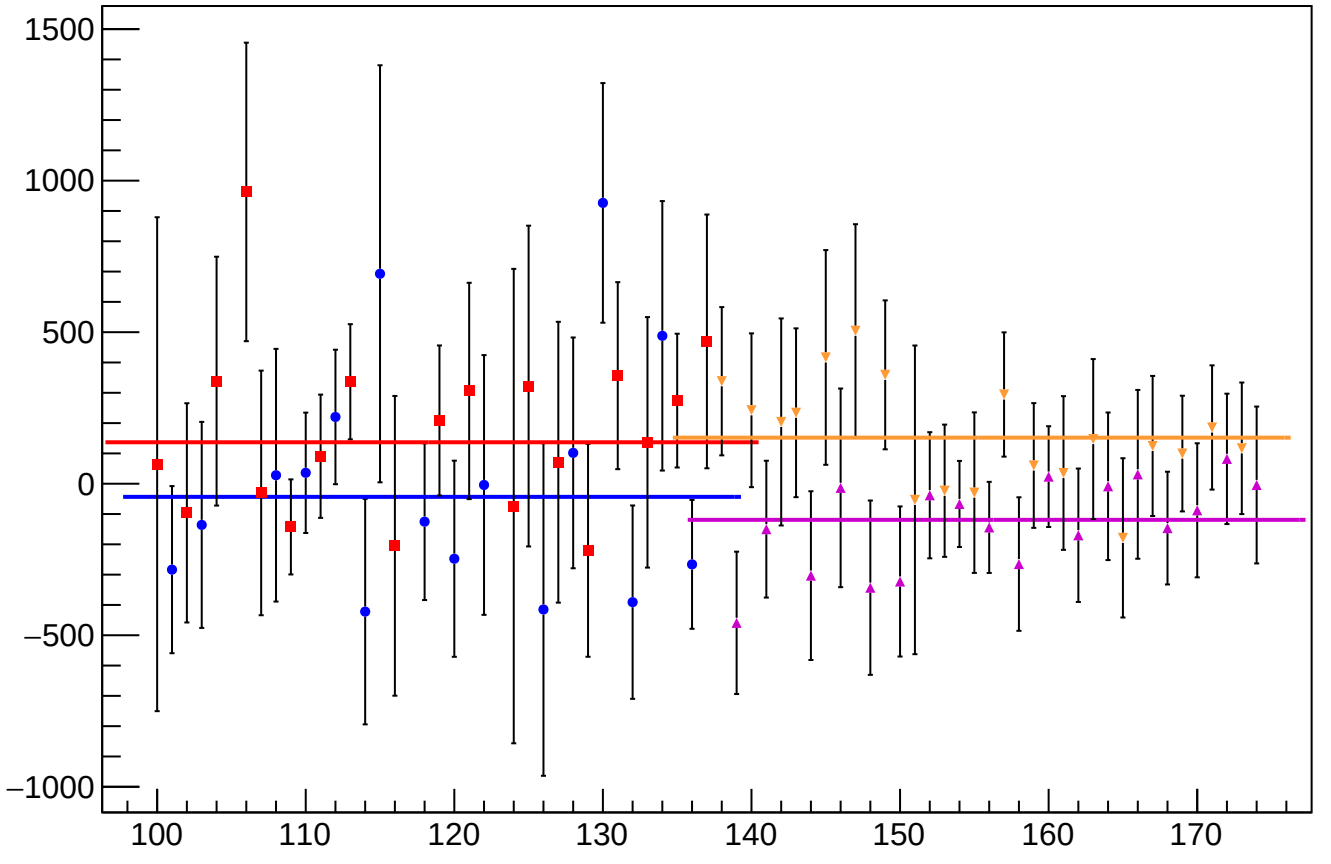
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.509+/-0.003 χ^2/NDF:68798.1/17

+ sign 16.776+/-0.003 χ^2/NDF: 132893.4/34

All: 16.800+/-0.002 χ^2/NDF: 271317.0/71

- 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: 152.006+/-56.940 χ^2/NDF:7.0/18

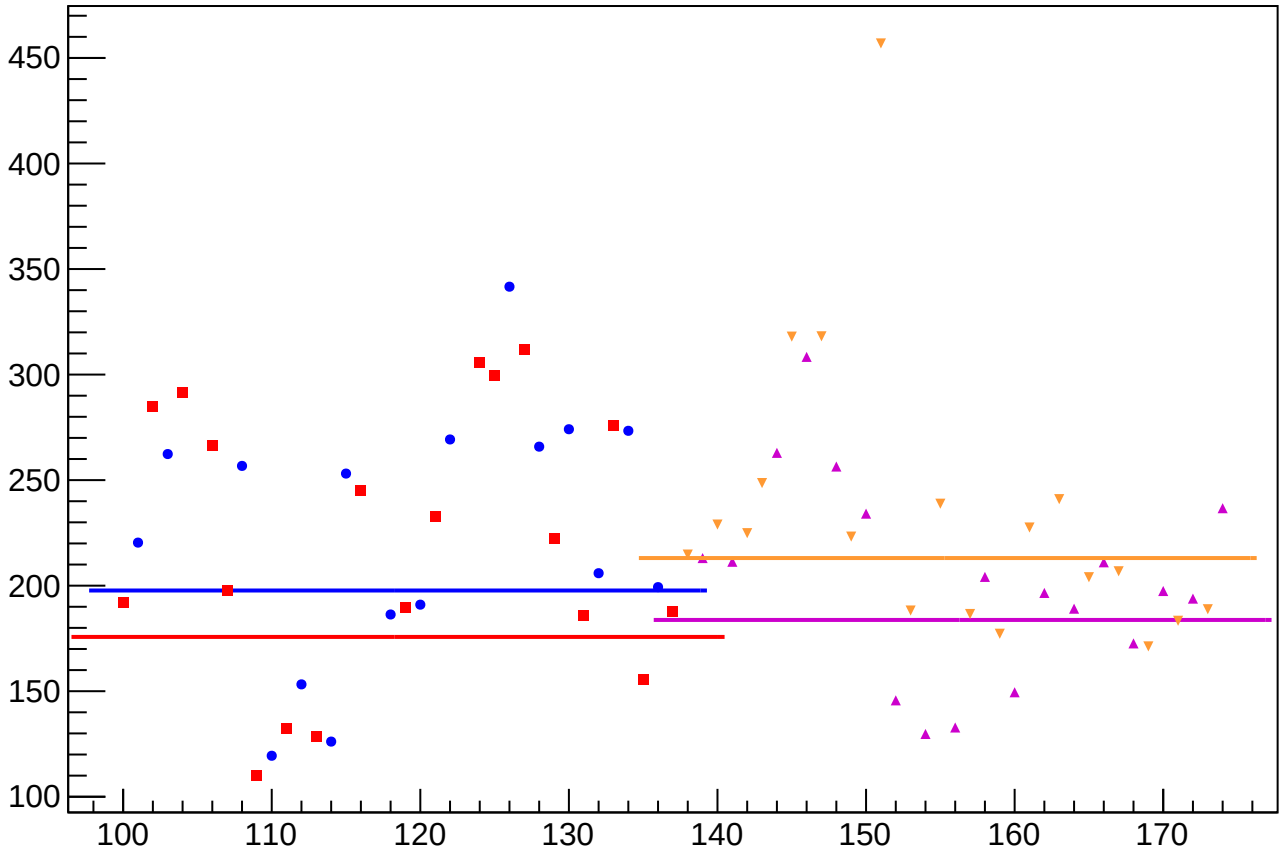
Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: -119.170+/-50.107 χ^2/NDF:7.1/17

+ sign 83.605+/-45.904 χ^2/NDF: 26.6/34

All: 18.973+/-30.435 χ^2/NDF: 57.6/71

- 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: 213.083+/-0.040 χ^2/NDF:1193368.6/18

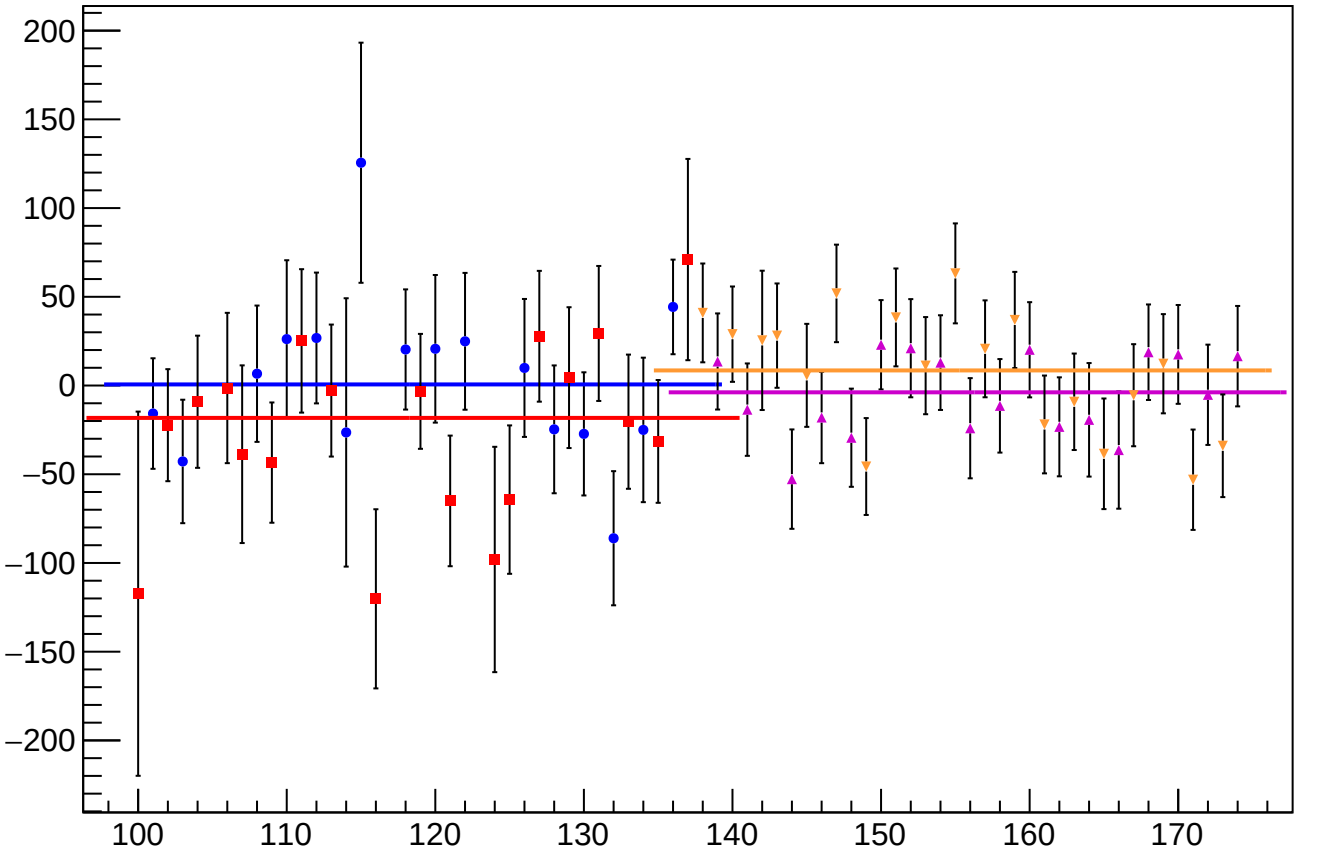
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 183.759+/-0.035 χ^2/NDF:1540108.2/17

+ sign 207.700+/-0.032 χ^2/NDF: 2244743.4/34

All: 192.744+/-0.022 χ^2/NDF: 5771886.8/71

- 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: 8.507+/-6.512 χ^2/NDF:26.3/18

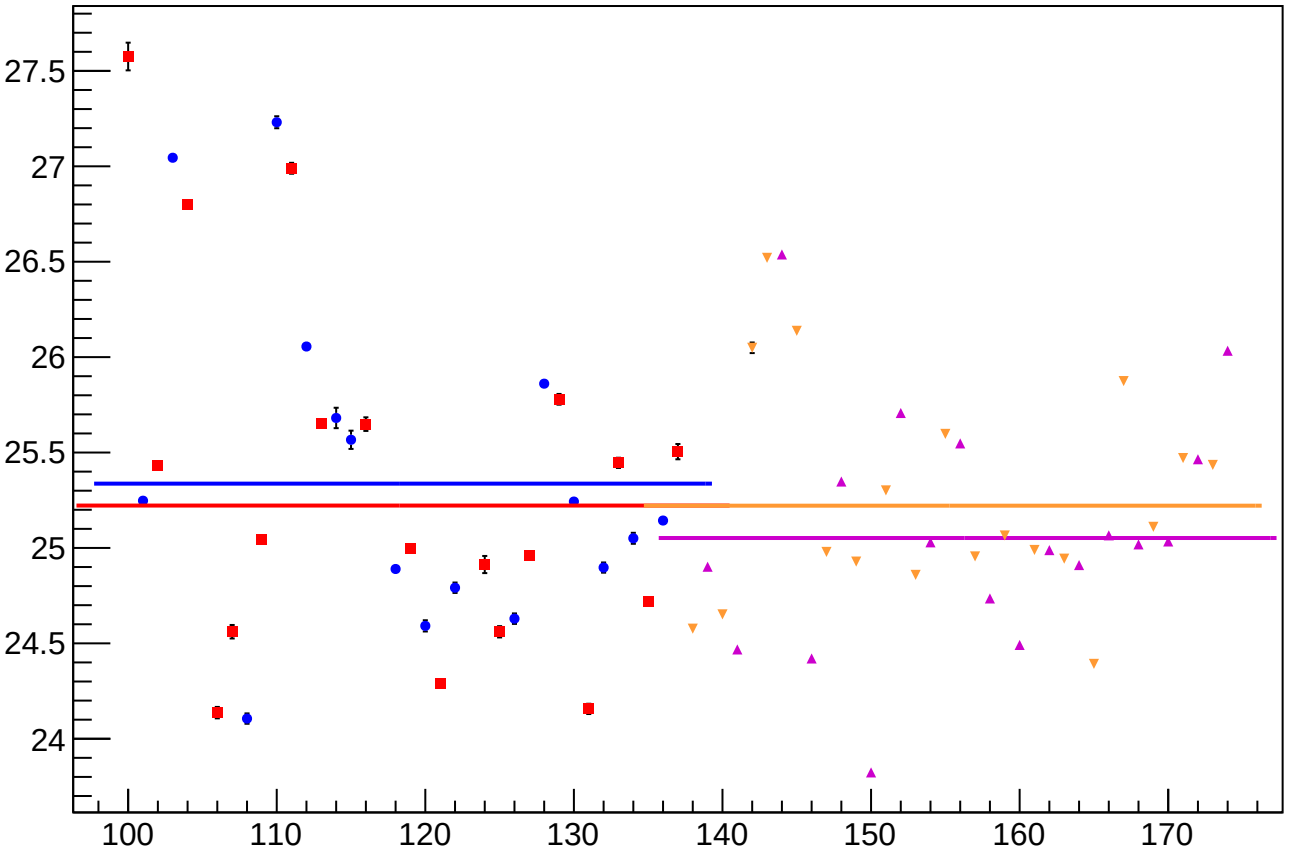
Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: -3.831+/-6.502 χ^2/NDF:12.0/17

+ sign 5.957+/-5.357 χ^2/NDF: 43.5/34

All: -1.398+/-3.772 χ^2/NDF: 78.9/71

- 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: 25.221+/-0.005 χ^2/NDF:13216.4/18

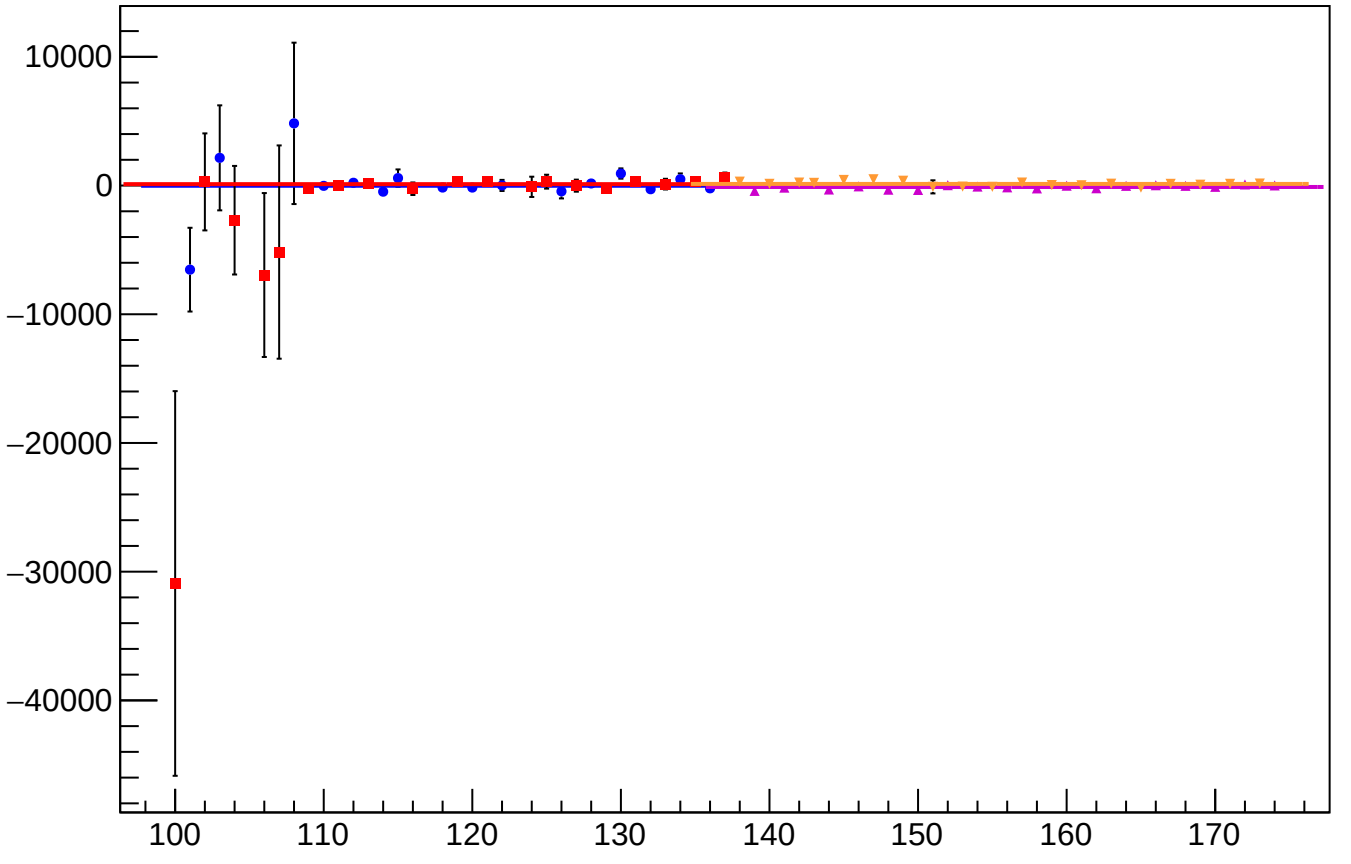
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.052+/-0.005 χ^2/NDF:18682.2/17

\+ sign 25.259+/-0.004 χ^2/NDF: 27734.8/34

All: 25.183+/-0.003 χ^2/NDF: 62889.3/71

\- 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: 125.340+/-57.514 χ^2/NDF:7.1/18

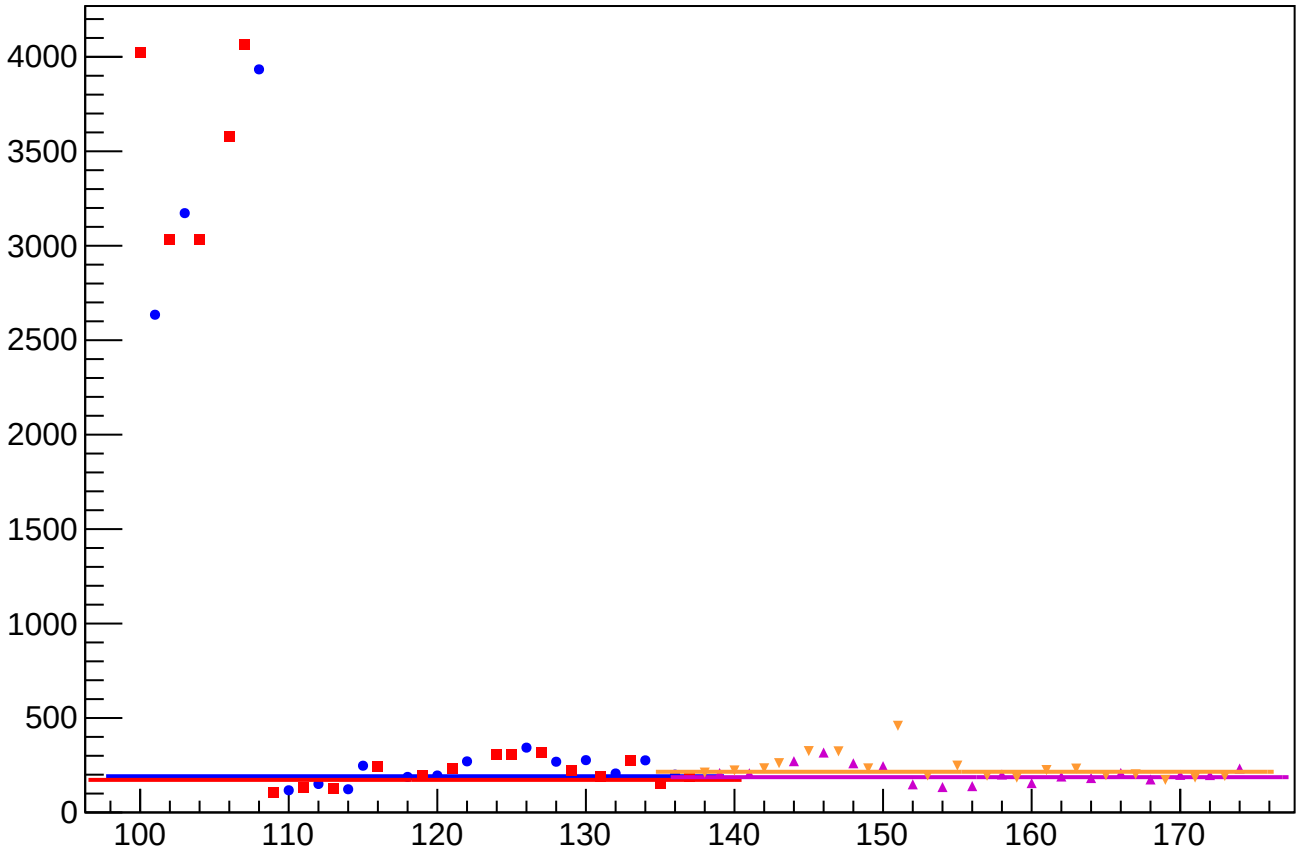
Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: -110.754+/-50.785 χ^2/NDF:6.5/17

+ sign 80.910+/-47.581 χ^2/NDF: 27.3/34

All: 10.708+/-31.728 χ^2/NDF: 57.4/71

- 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: 215.356+/-0.041 χ^2/NDF:1186506.8/18

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

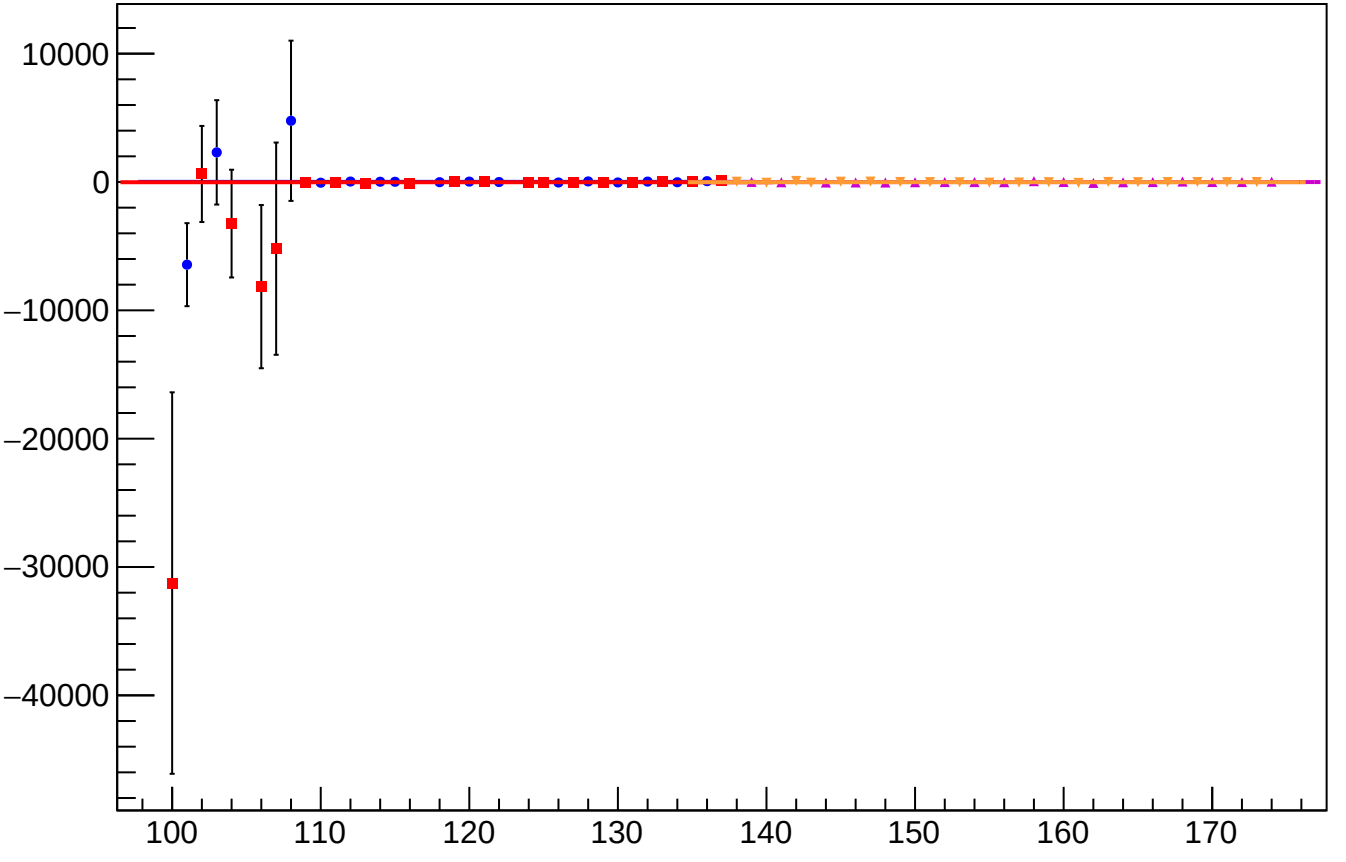
Left In: 186.770+/-0.036 χ^2/NDF:1405351.4/17

+ sign 207.902+/-0.034 χ^2/NDF: 5114763.8/34

All: 193.805+/-0.022 χ^2/NDF: 11186543.7/71

- 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: -13.886+/-7.433 χ^2/NDF:17.9/18

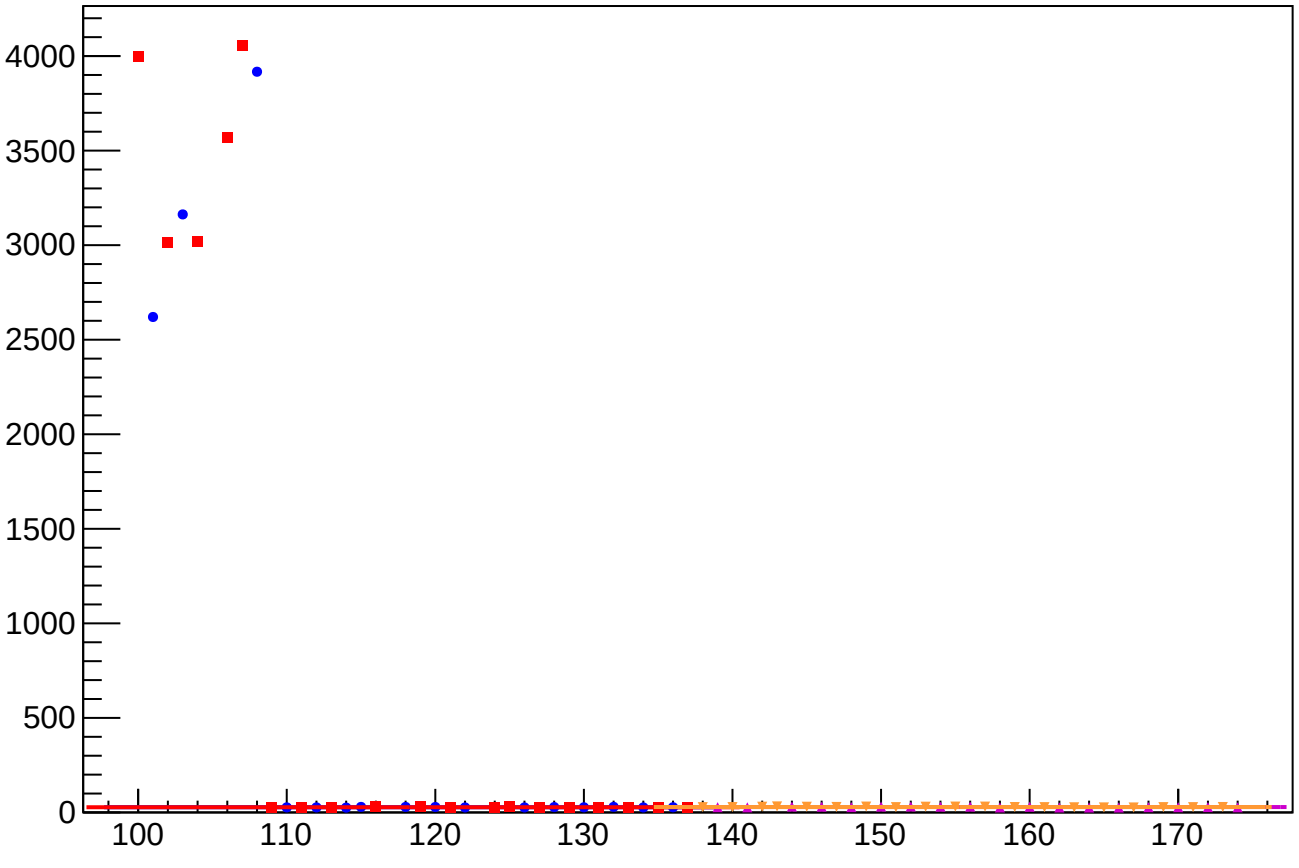
Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: -5.073+/-7.447 χ^2/NDF:17.6/17

+ sign -7.128+/-6.271 χ^2/NDF: 36.7/34

All: -7.951+/-4.444 χ^2/NDF: 80.0/71

- sign -8.782+/-6.298 χ^2/NDF: 43.3/36



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 28.724+/-0.005 χ^2/NDF:82344.1/18

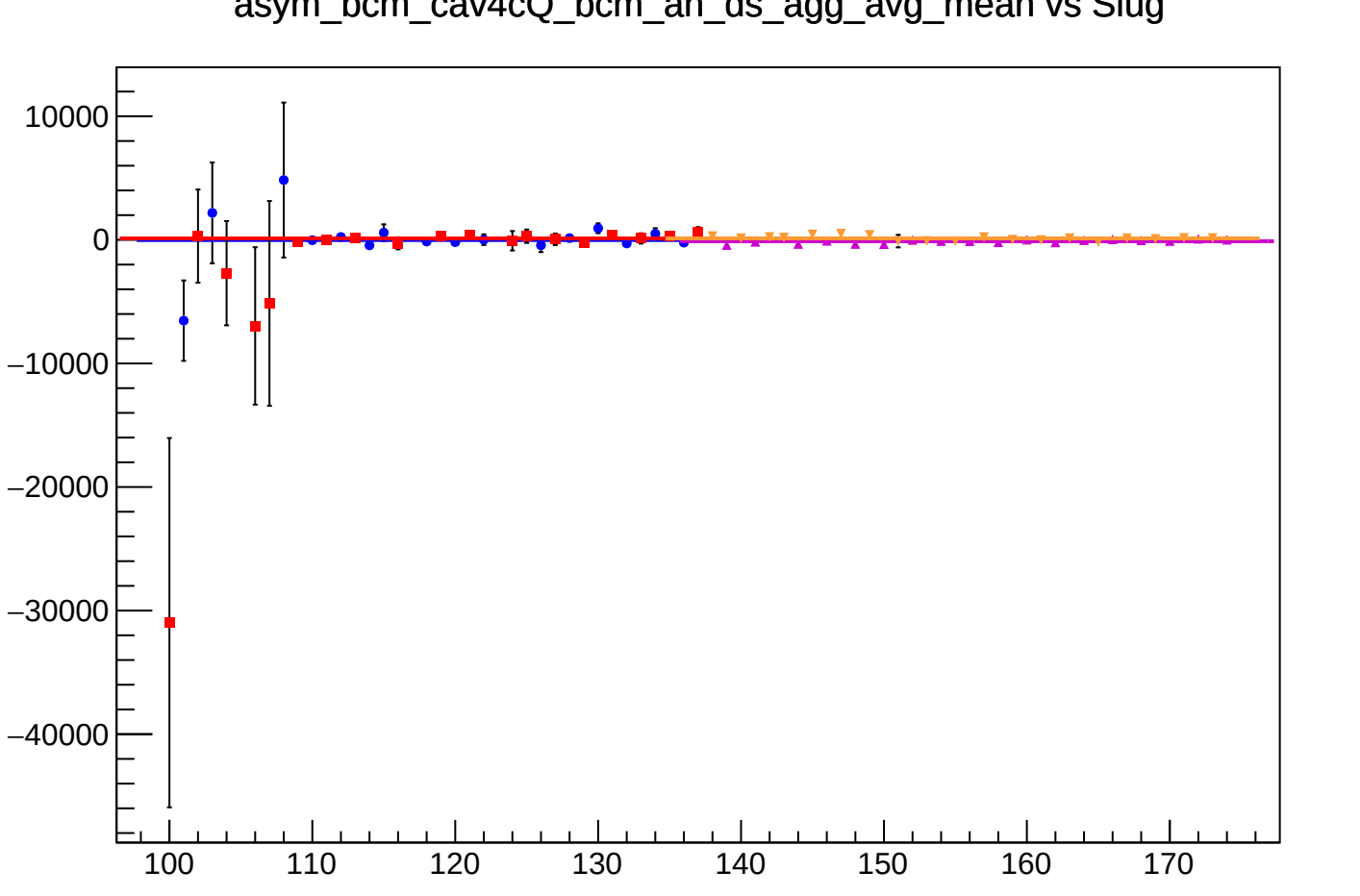
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.618+/-0.005 χ^2/NDF:114125.1/17

+ sign 28.413+/-0.004 χ^2/NDF: 3360070.0/34

All: 28.361+/-0.003 χ^2/NDF: 7041749.2/71

- 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: 119.841+/-57.394 χ^2/NDF:7.9/18

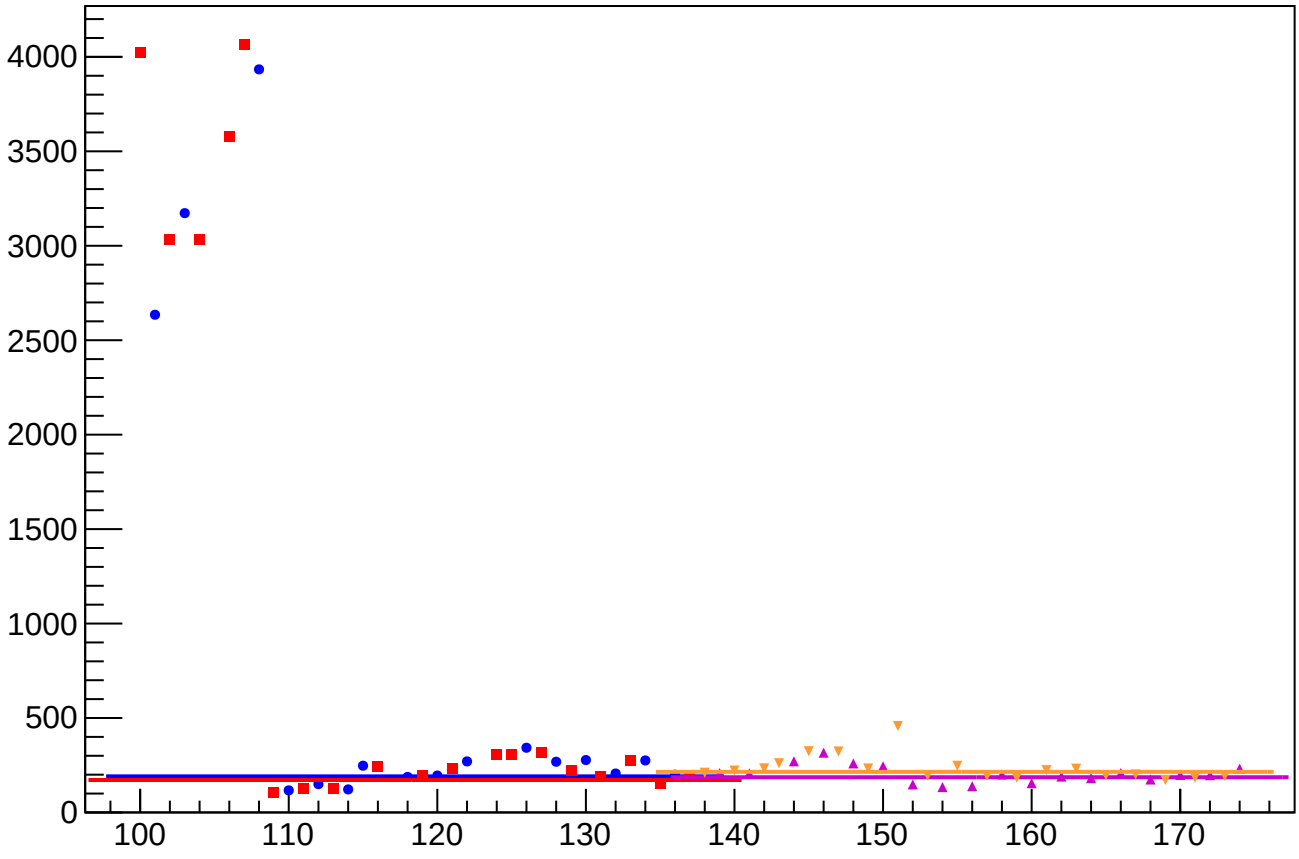
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -107.924+/-50.689 χ^2/NDF:6.7/17

+ sign 77.822+/-47.470 χ^2/NDF: 27.9/34

All: 12.032+/-31.656 χ^2/NDF: 58.5/71

- 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: 214.910+/-0.041 χ^2/NDF:1185992.9/18

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

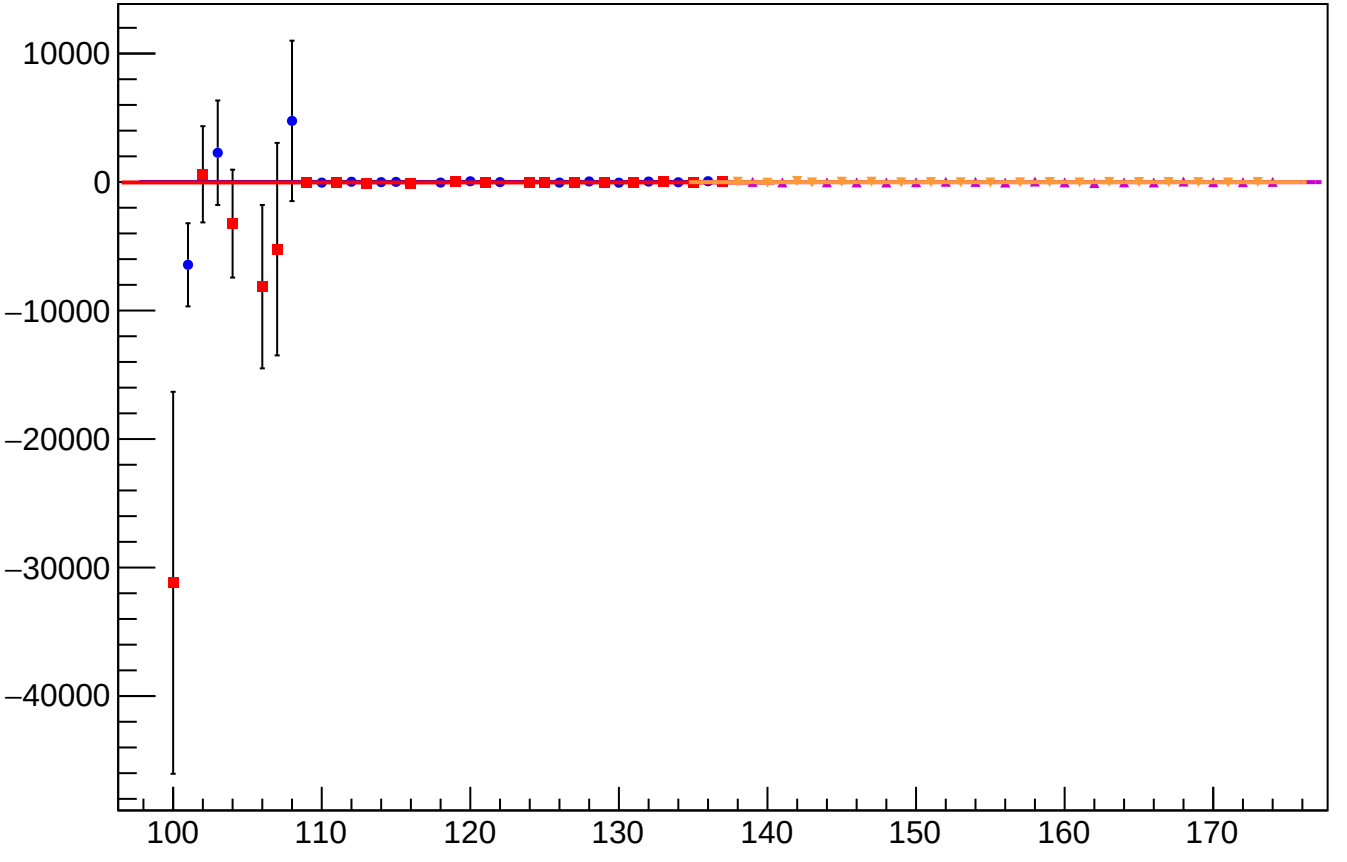
Left In: 186.423+/-0.036 χ^2/NDF:1404817.7/17

+ sign 207.378+/-0.034 χ^2/NDF: 5128962.5/34

All: 193.331+/-0.022 χ^2/NDF: 11213209.7/71

- 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: -9.733+/-7.483 χ^2/NDF:12.1/18

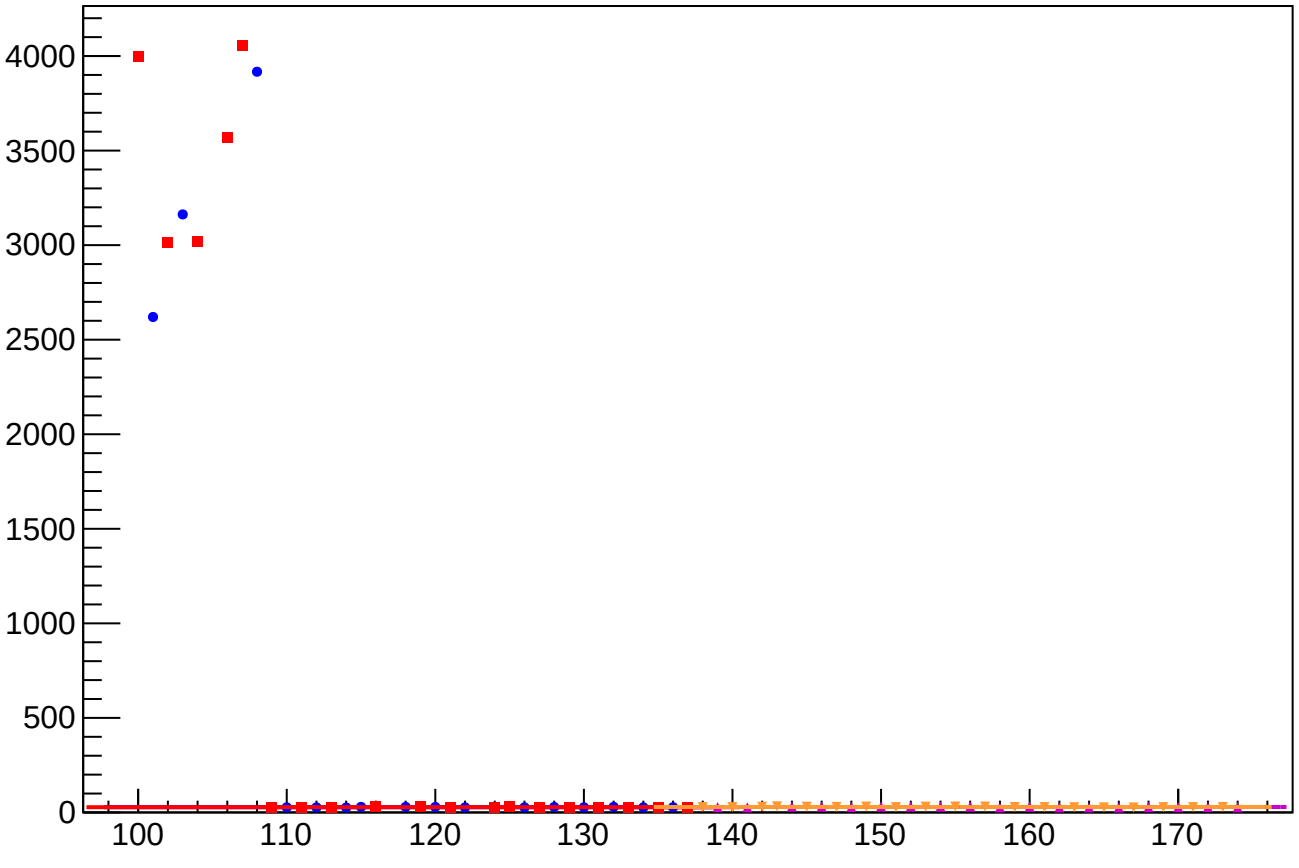
Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: -6.679+/-7.487 χ^2/NDF:16.7/17

+ sign -5.060+/-6.314 χ^2/NDF: 31.7/34

All: -9.296+/-4.473 χ^2/NDF: 72.3/71

- sign -13.564+/-6.337 χ^2/NDF: 39.6/36



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.914+/-0.005 χ^2/NDF:88561.4/18

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

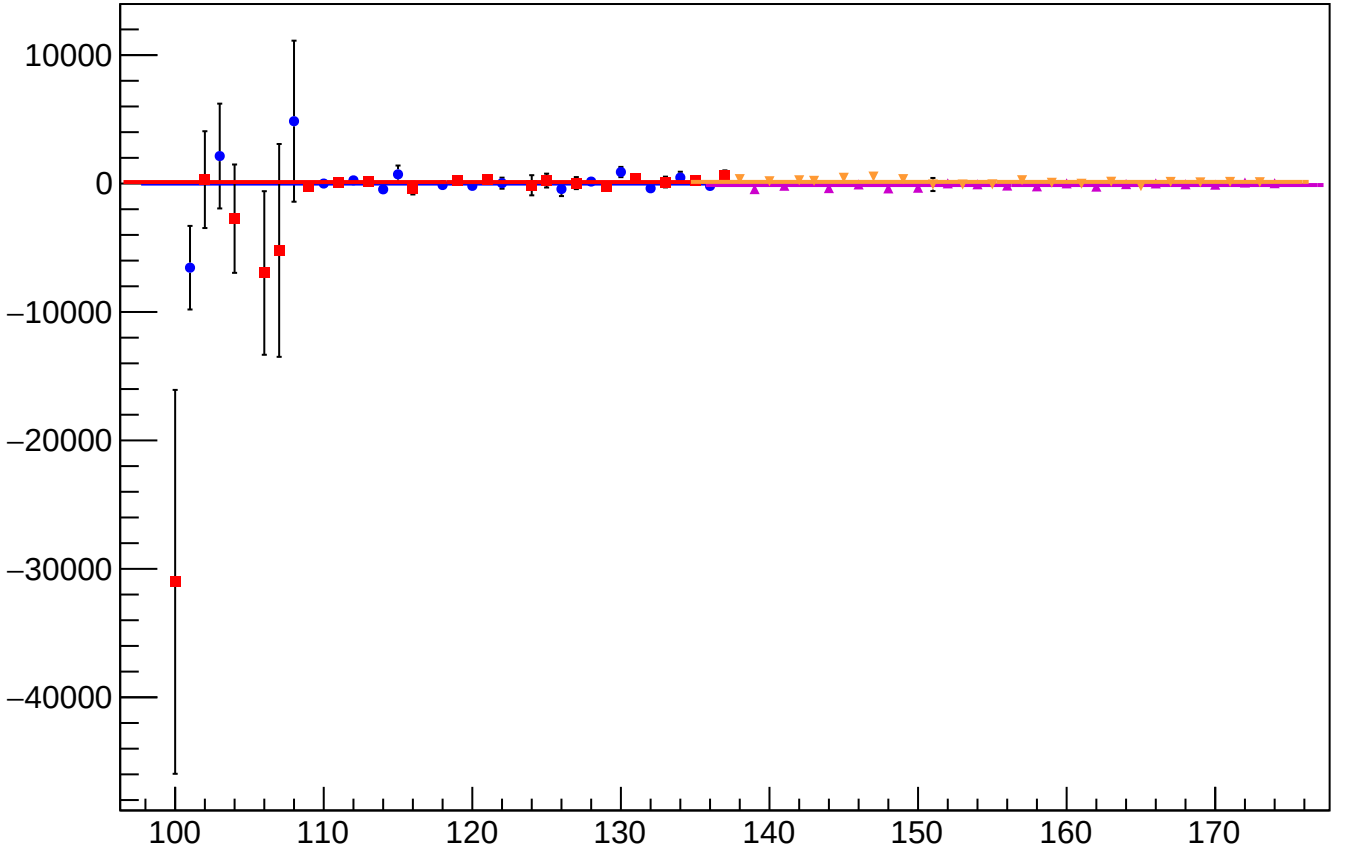
Left In: 28.774+/-0.005 χ^2/NDF:117010.7/17

+ sign 28.600+/-0.004 χ^2/NDF: 3366660.2/34

All: 28.543+/-0.003 χ^2/NDF: 7053215.0/71

- sign 28.485+/-0.004 χ^2/NDF: 3686220.8/36

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 128.175+/-57.978 χ^2/NDF:7.8/18

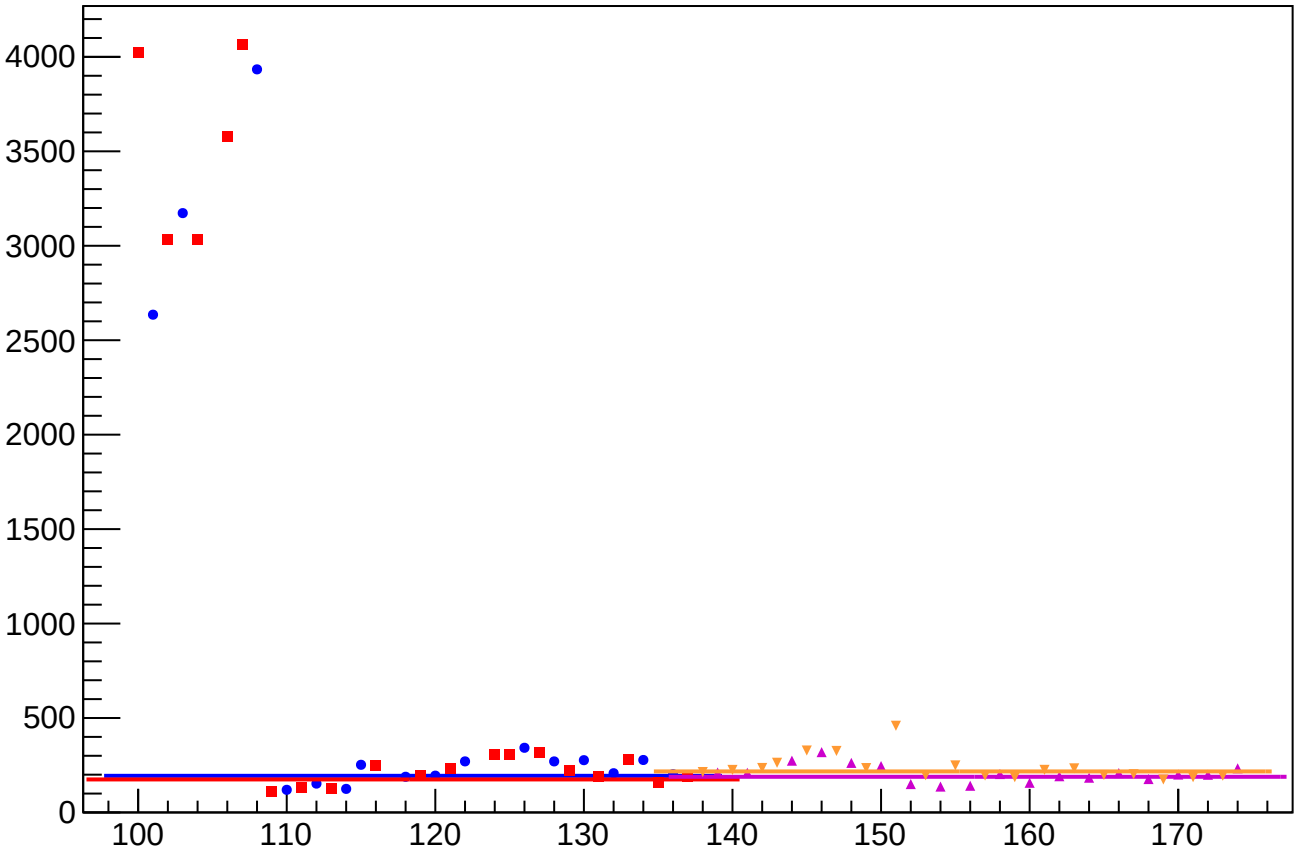
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -117.344+/-51.293 χ^2/NDF:7.2/17

+ sign 86.925+/-47.987 χ^2/NDF: 27.6/34

All: 12.020+/-32.030 χ^2/NDF: 59.2/71

- 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: 217.204+/-0.041 χ^2/NDF:1173181.3/18

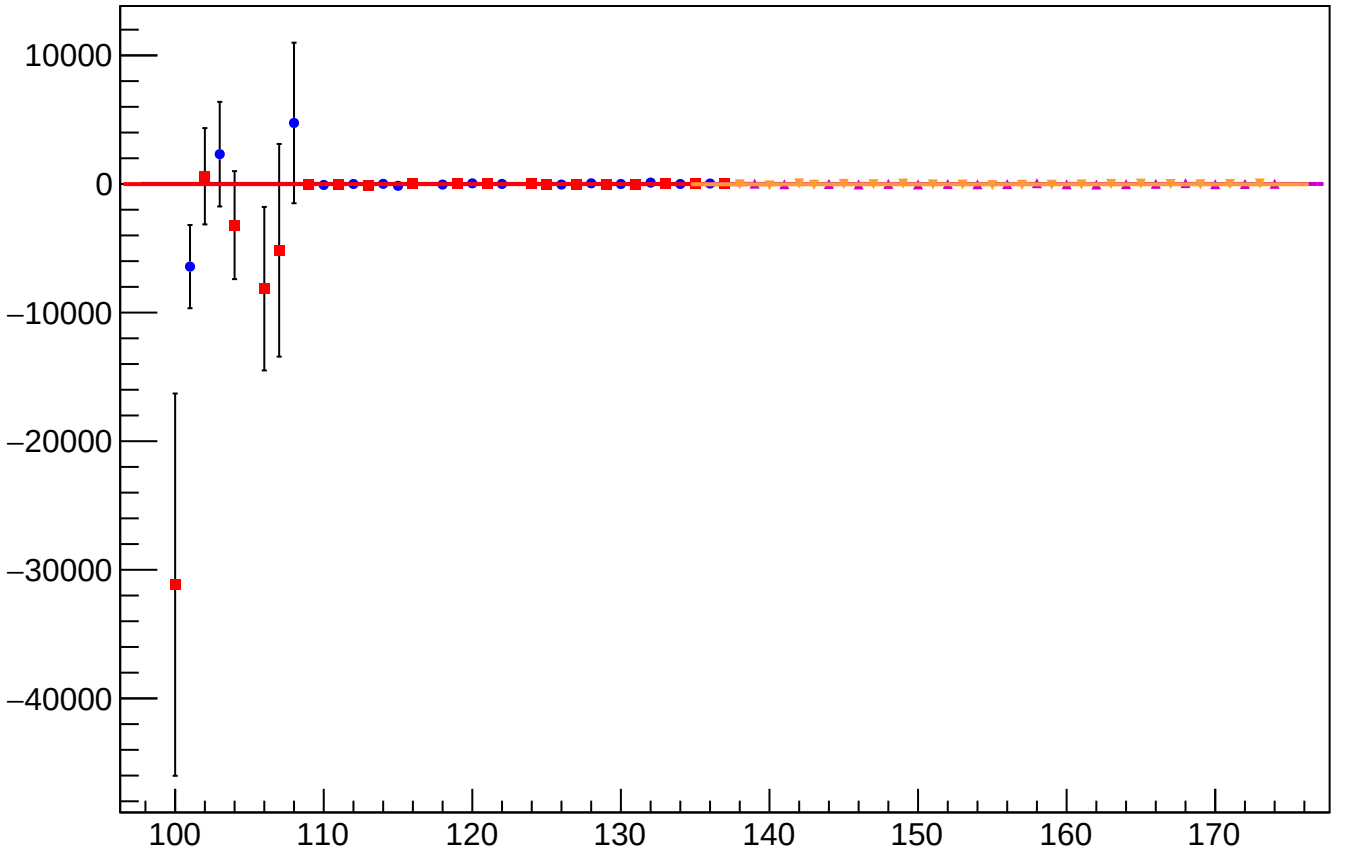
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 188.812+/-0.036 χ^2/NDF:1372950.2/17

+ sign 209.879+/-0.034 χ^2/NDF: 5059011.8/34

All: 195.888+/-0.023 χ^2/NDF: 11042324.9/71

- 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: -24.486+/-8.921 χ^2/NDF:19.9/18

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

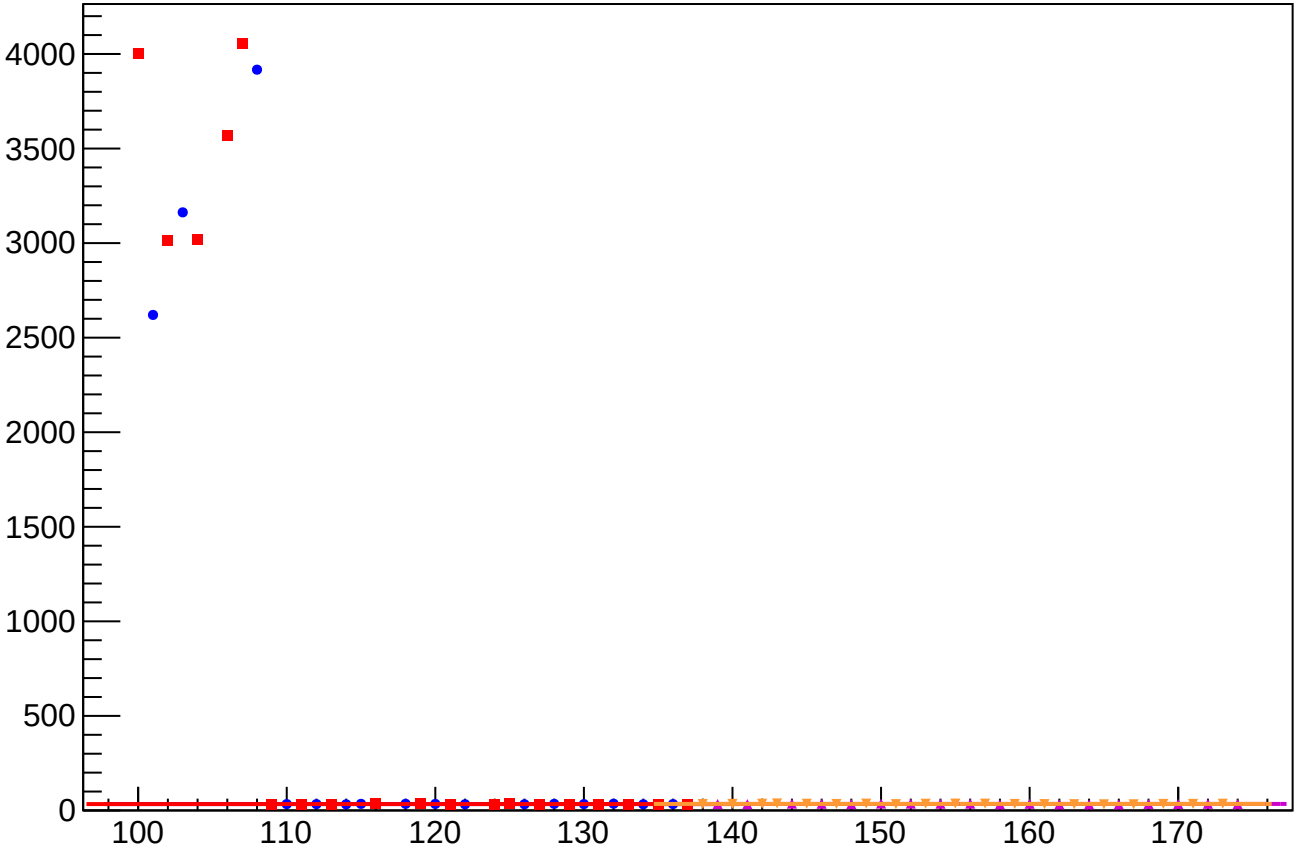
Left In: 3.372+/-8.956 χ^2/NDF:12.1/17

+ sign -16.045+/-7.570 χ^2/NDF: 40.5/34

All: -8.238+/-5.367 χ^2/NDF: 78.8/71

- 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: 34.529+/-0.006 χ^2/NDF:37998.5/18

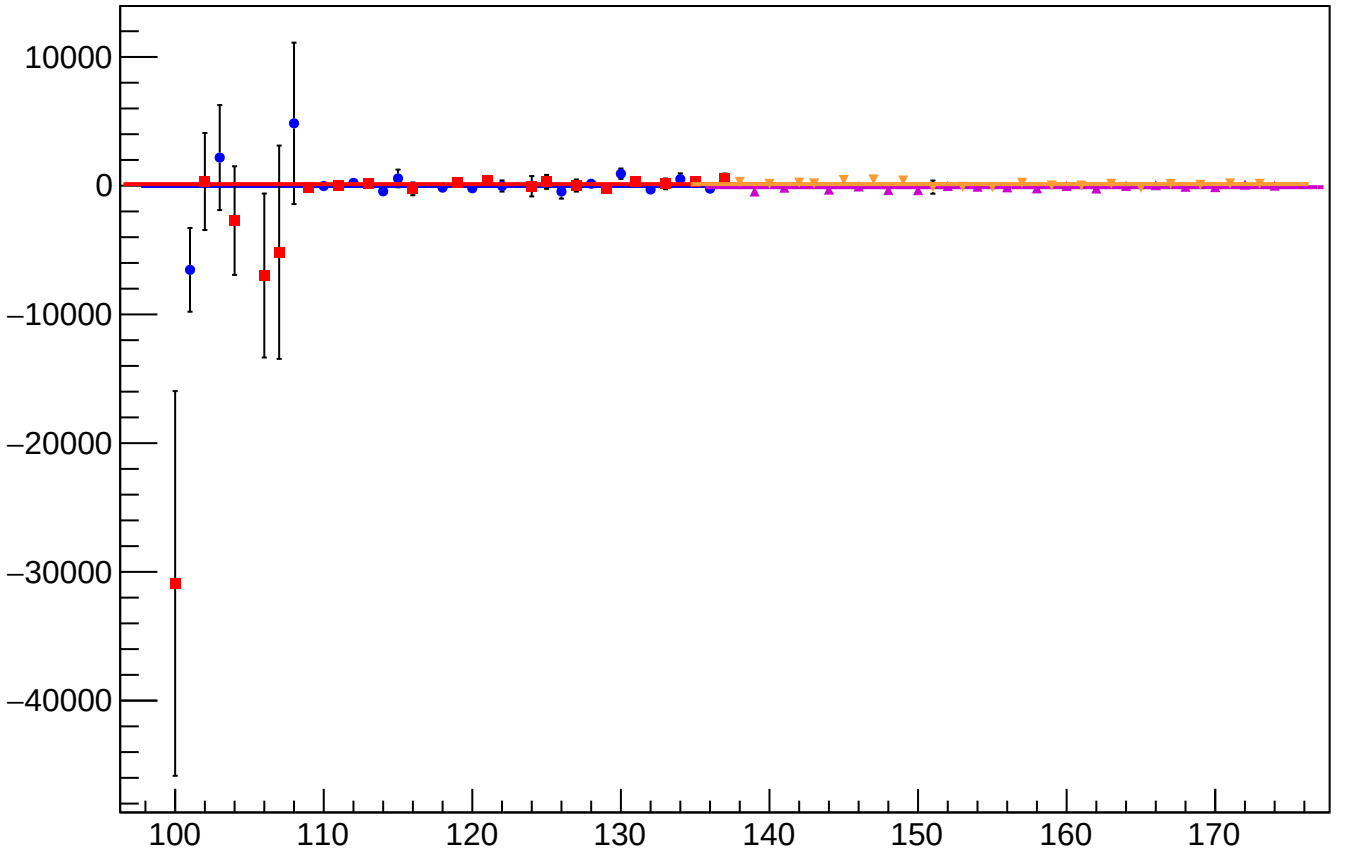
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.485+/-0.006 χ^2/NDF:50688.0/17

+ sign 34.353+/-0.005 χ^2/NDF: 3285168.1/34

All: 34.314+/-0.004 χ^2/NDF: 6866419.8/71

- 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: 124.101+/-57.861 χ^2/NDF:7.6/18

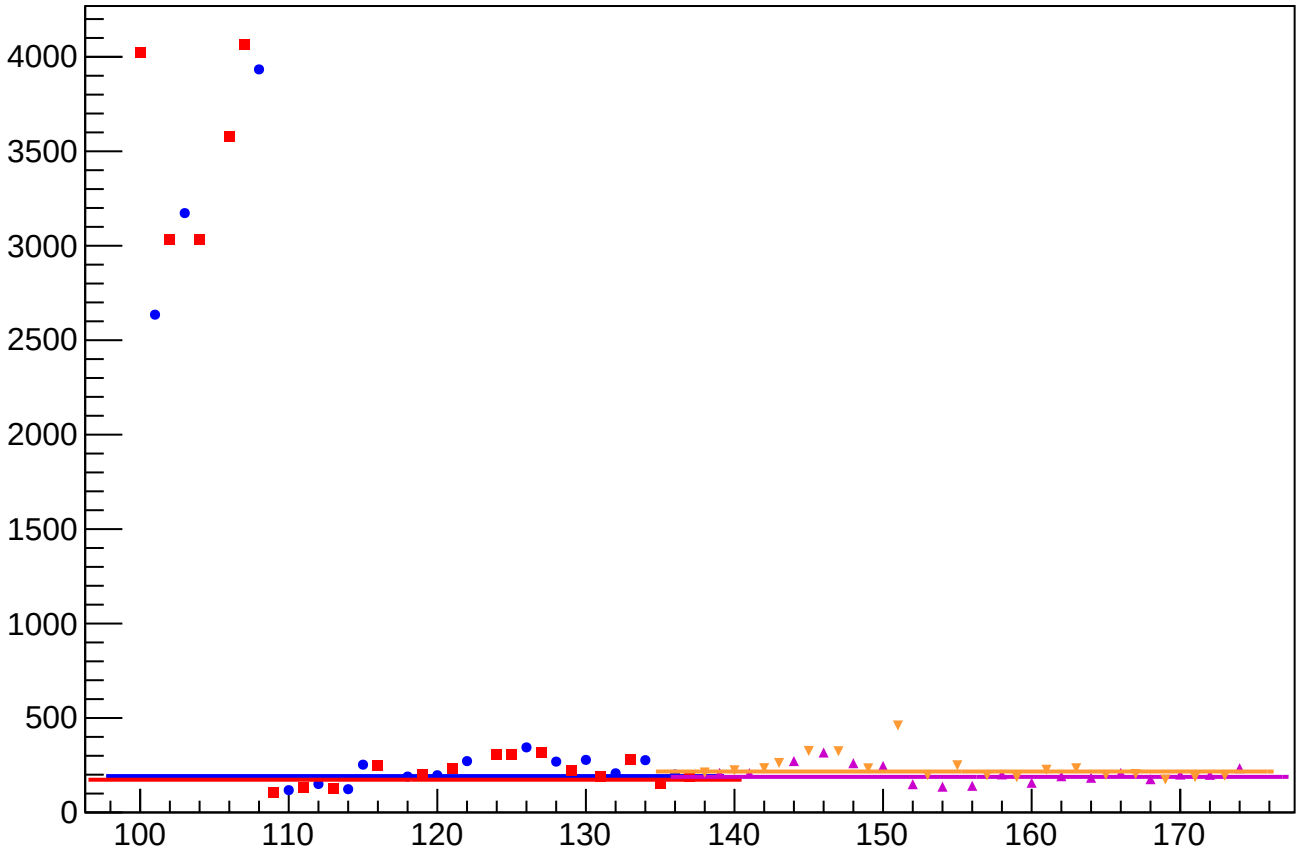
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -116.861+/-51.171 χ^2/NDF:6.6/17

+ sign 78.669+/-47.842 χ^2/NDF: 27.7/34

All: 9.400+/-31.923 χ^2/NDF: 57.7/71

- sign -46.194+/-42.860 χ^2/NDF: 26.2/36



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 216.762+/-0.041 χ^2/NDF:1166751.5/18

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

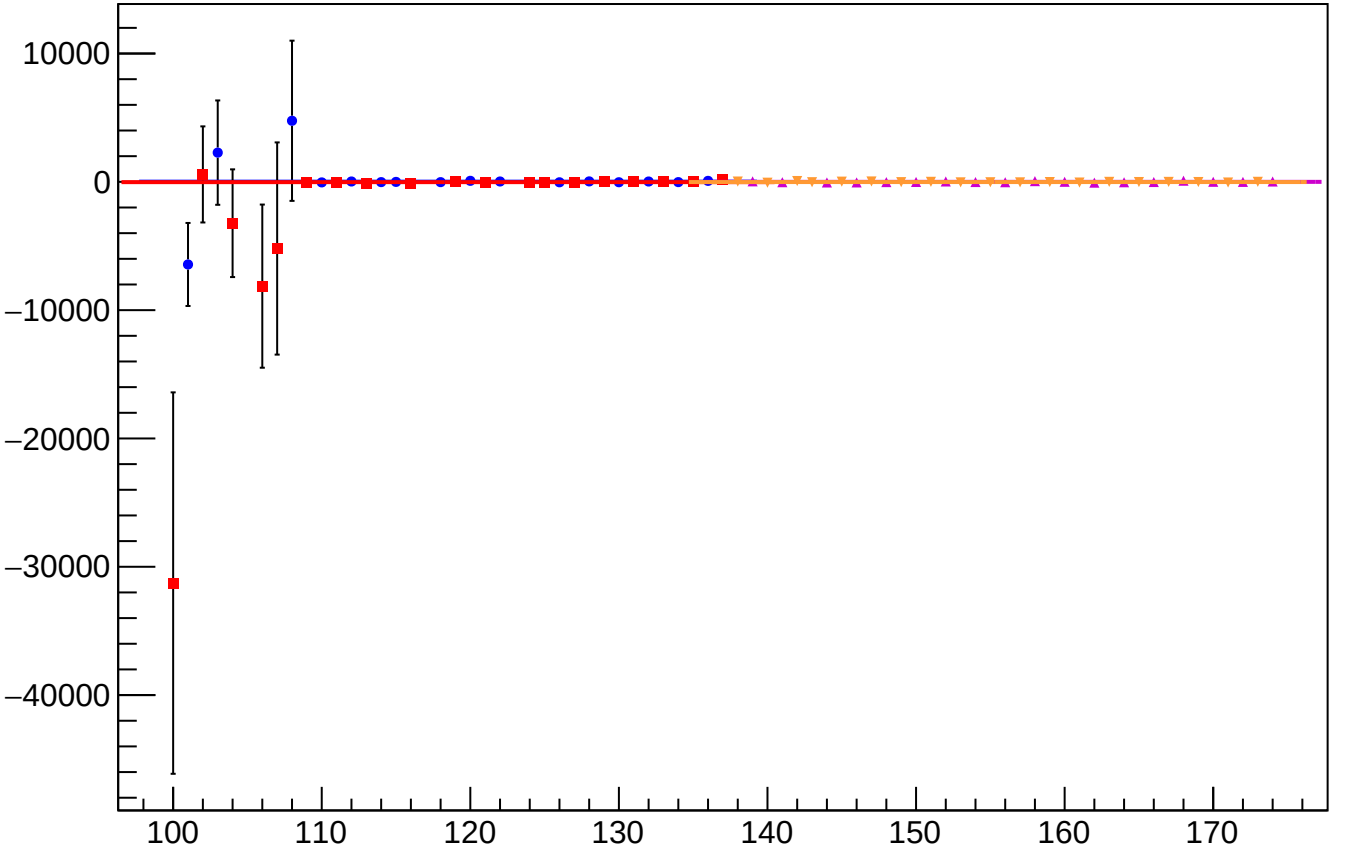
Left In: 188.351+/-0.036 χ^2/NDF:1364150.0/17

+ sign 209.106+/-0.034 χ^2/NDF: 5100225.5/34

All: 195.092+/-0.023 χ^2/NDF: 11133141.6/71

- 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: -16.169+/-8.080 χ^2/NDF:13.1/18

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

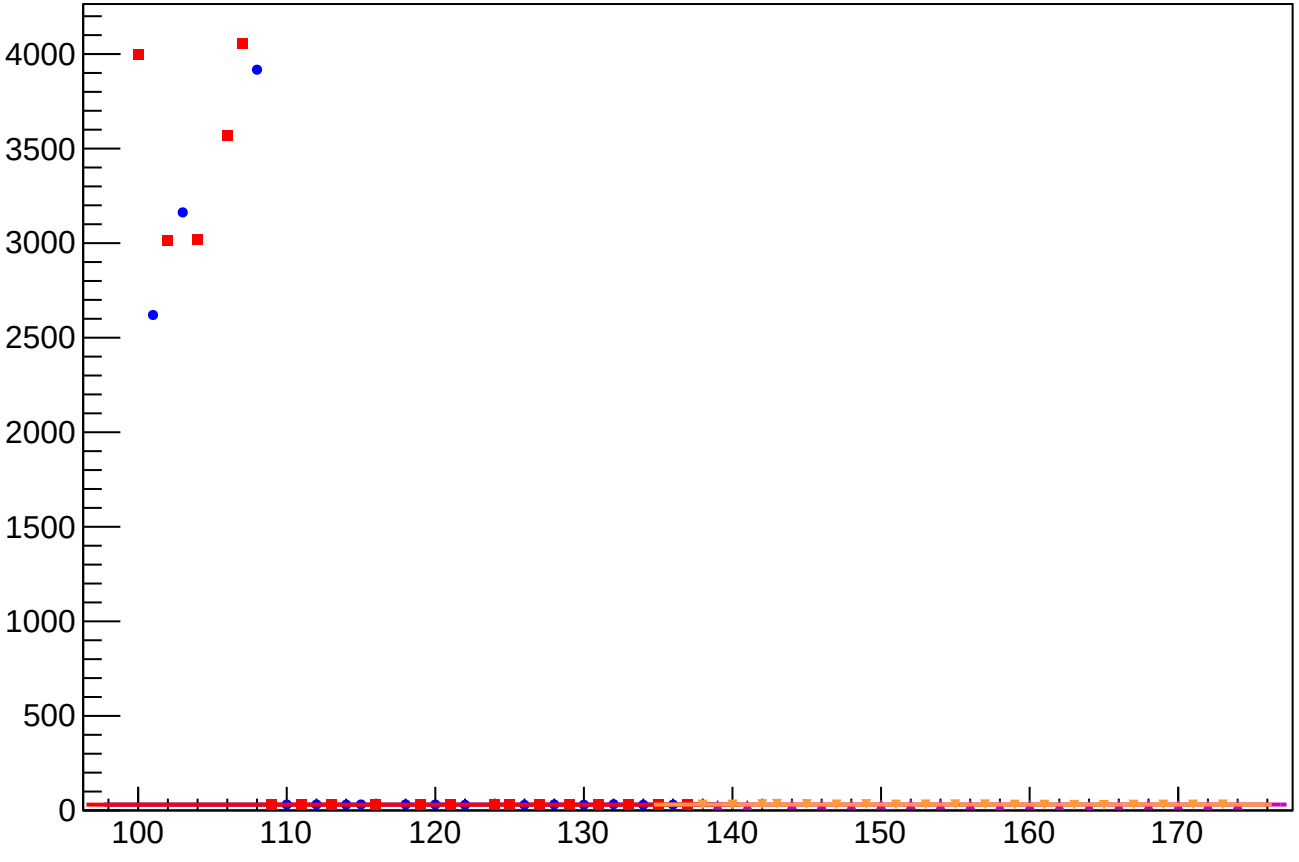
Left In: -1.206+/-8.119 χ^2/NDF:23.3/17

+ sign -7.900+/-6.872 χ^2/NDF: 32.3/34

All: -7.584+/-4.873 χ^2/NDF: 86.3/71

- 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: 31.246+/-0.006 χ^2/NDF:58551.8/18

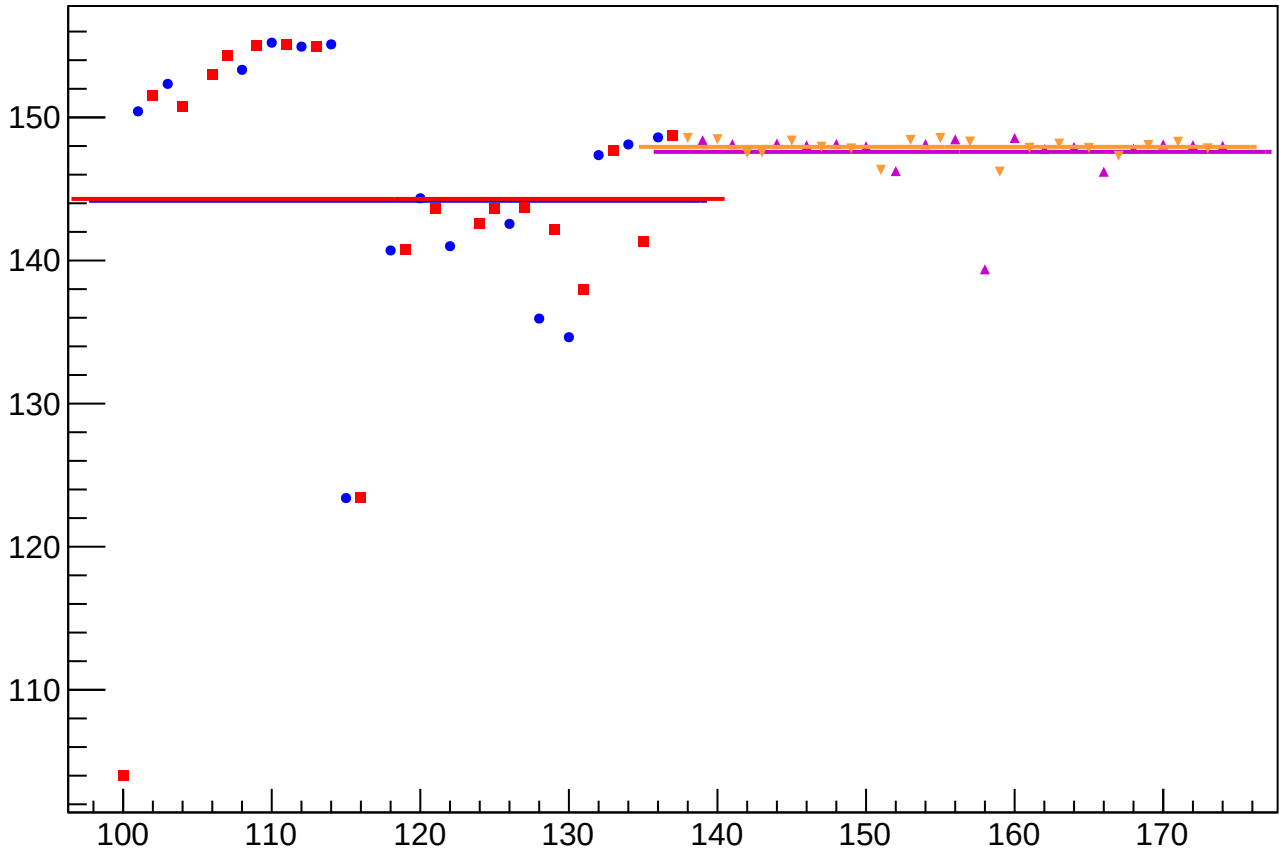
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.224+/-0.006 χ^2/NDF:78400.2/17

+ sign 31.158+/-0.005 χ^2/NDF: 3312016.9/34

All: 31.130+/-0.003 χ^2/NDF: 6928388.3/71

- 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: 147.942+/-0.000 χ^2/NDF:34253428.2/18

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

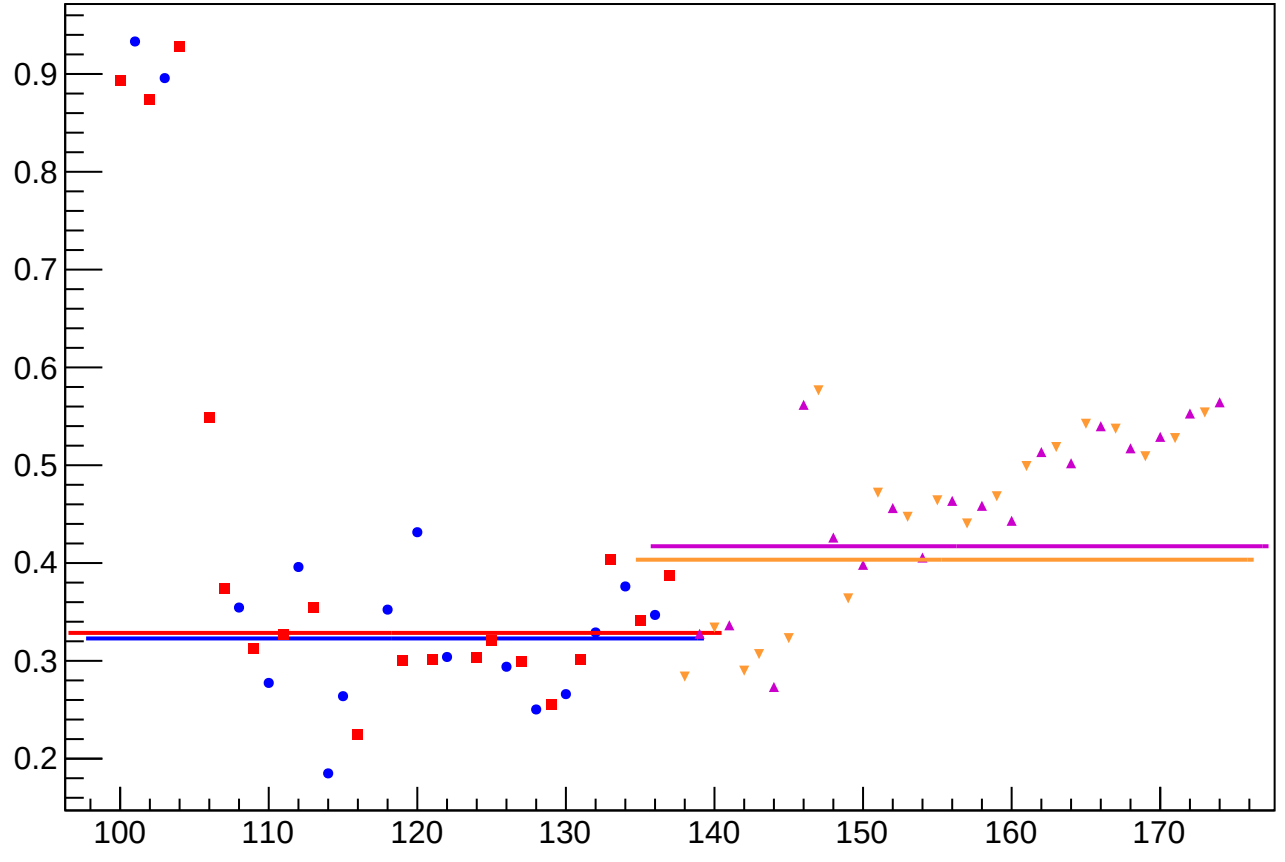
Left In: 147.592+/-0.000 χ^2/NDF:290461427.2/17

+ sign 146.419+/-0.000 χ^2/NDF: 4241136186.0/34

All: 146.320+/-0.000 χ^2/NDF: 9153867248.0

- 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: 0.403+/-0.000 χ^2/NDF:1576033.4/18

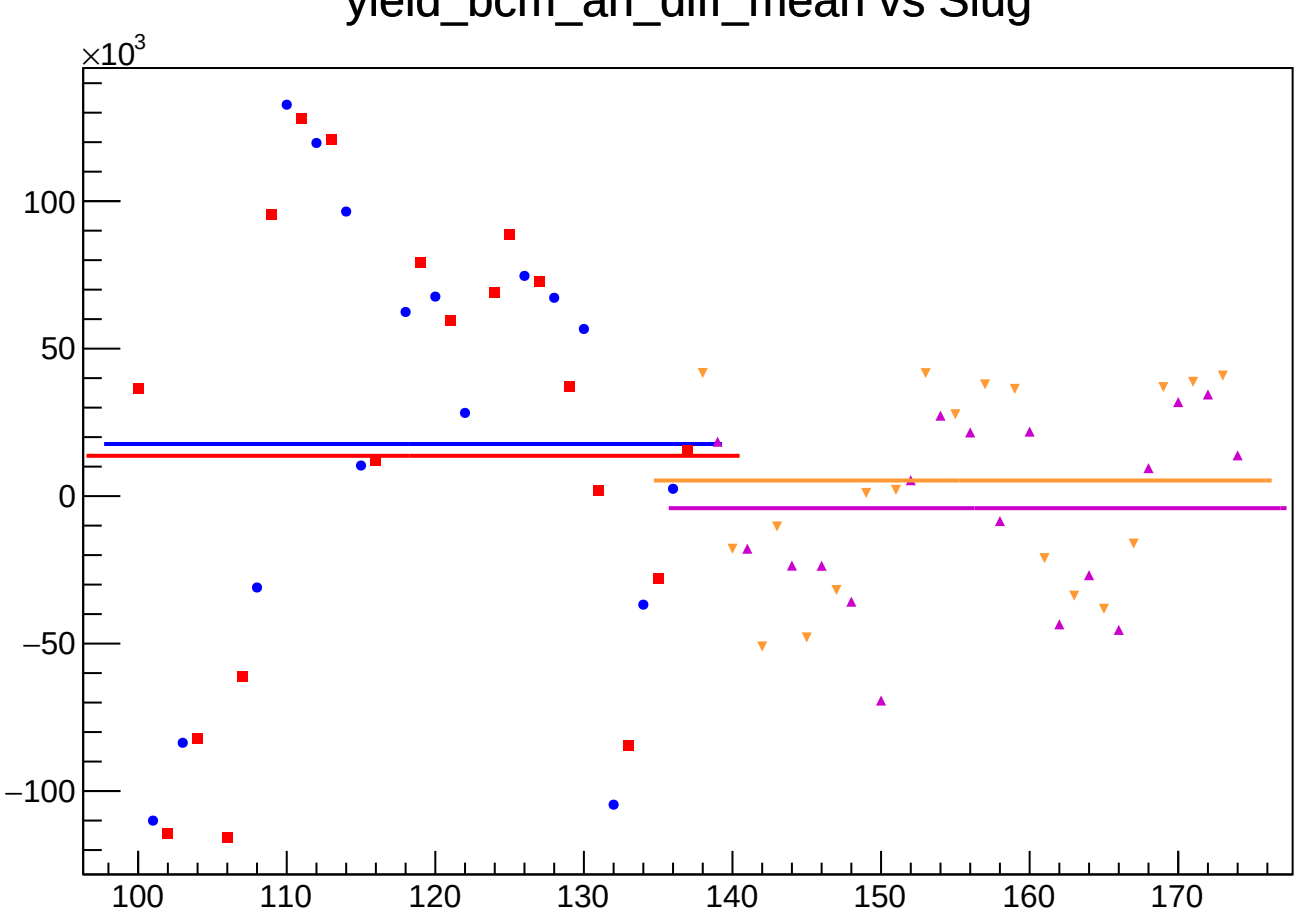
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.417+/-0.000 χ^2/NDF:1357497.2/17

+ sign 0.371+/-0.000 χ^2/NDF: 3412822.4/34

All: 0.375+/-0.000 χ^2/NDF: 6601816.8/71

- 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: 5298.486+/-1.256 χ^2/NDF:667455133.0/18

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

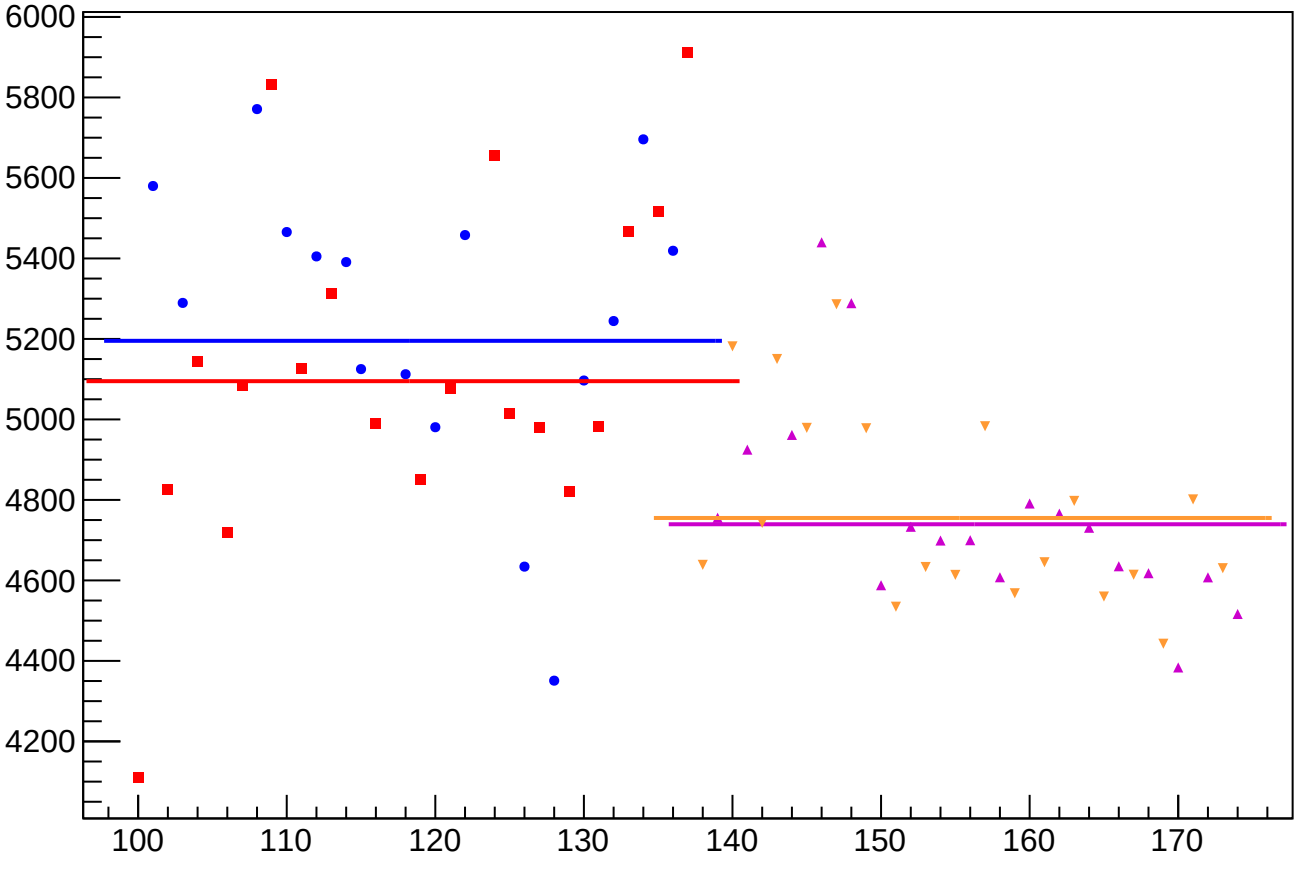
Left In: -4088.006+/-1.258 χ^2/NDF:580707785.5/17

+ sign 8780.205+/-1.064 χ^2/NDF: 2093504780.7/34

All: 4963.164+/-0.749 χ^2/NDF: 4616248435.

- 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: 4755.122+/-0.888 χ^2/NDF:68097.6/18

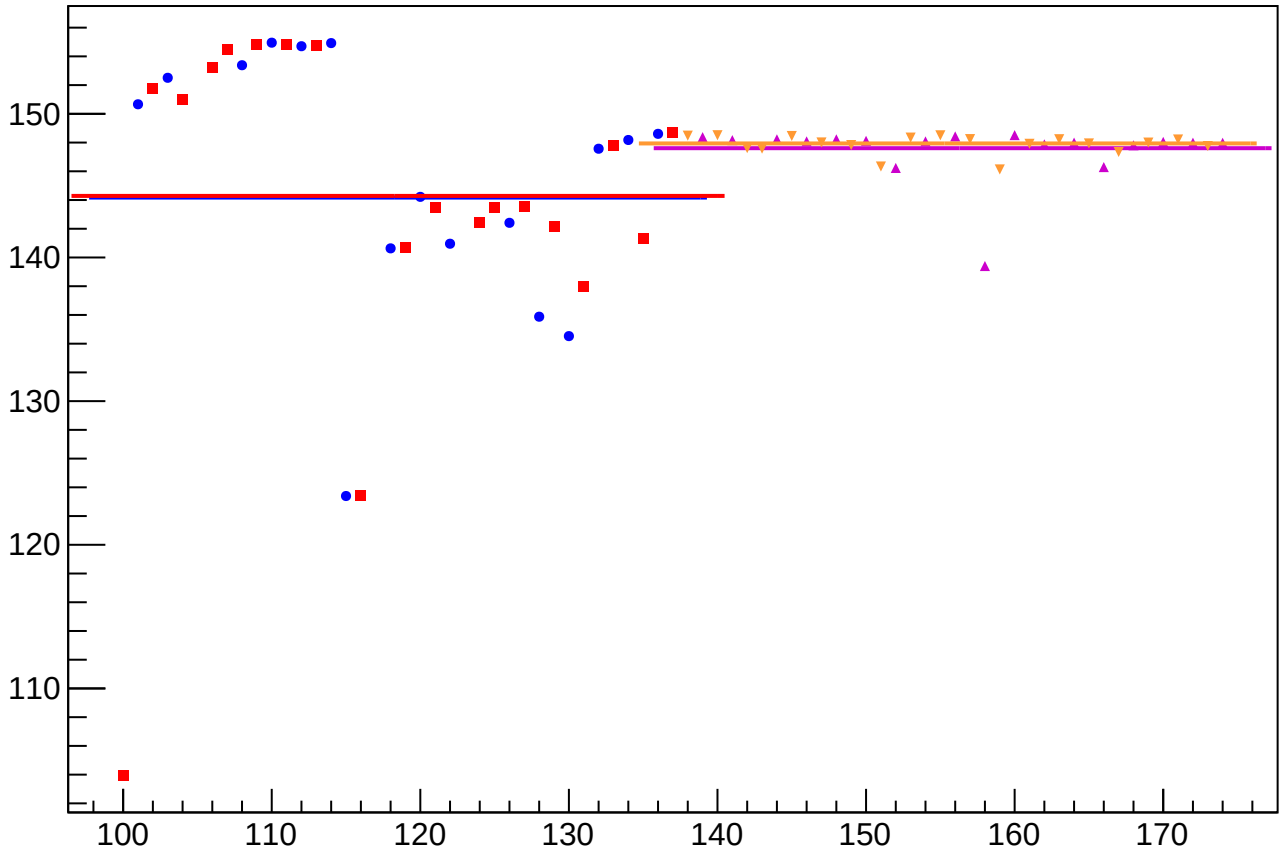
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4739.512+/-0.890 χ^2/NDF:70213.1/17

\+ sign 4879.063+/-0.753 χ^2/NDF: 214480.3/34

All: 4862.316+/-0.529 χ^2/NDF: 392595.3/71

\- 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: 147.939+/-0.000 χ^2/NDF:34104418.7/18

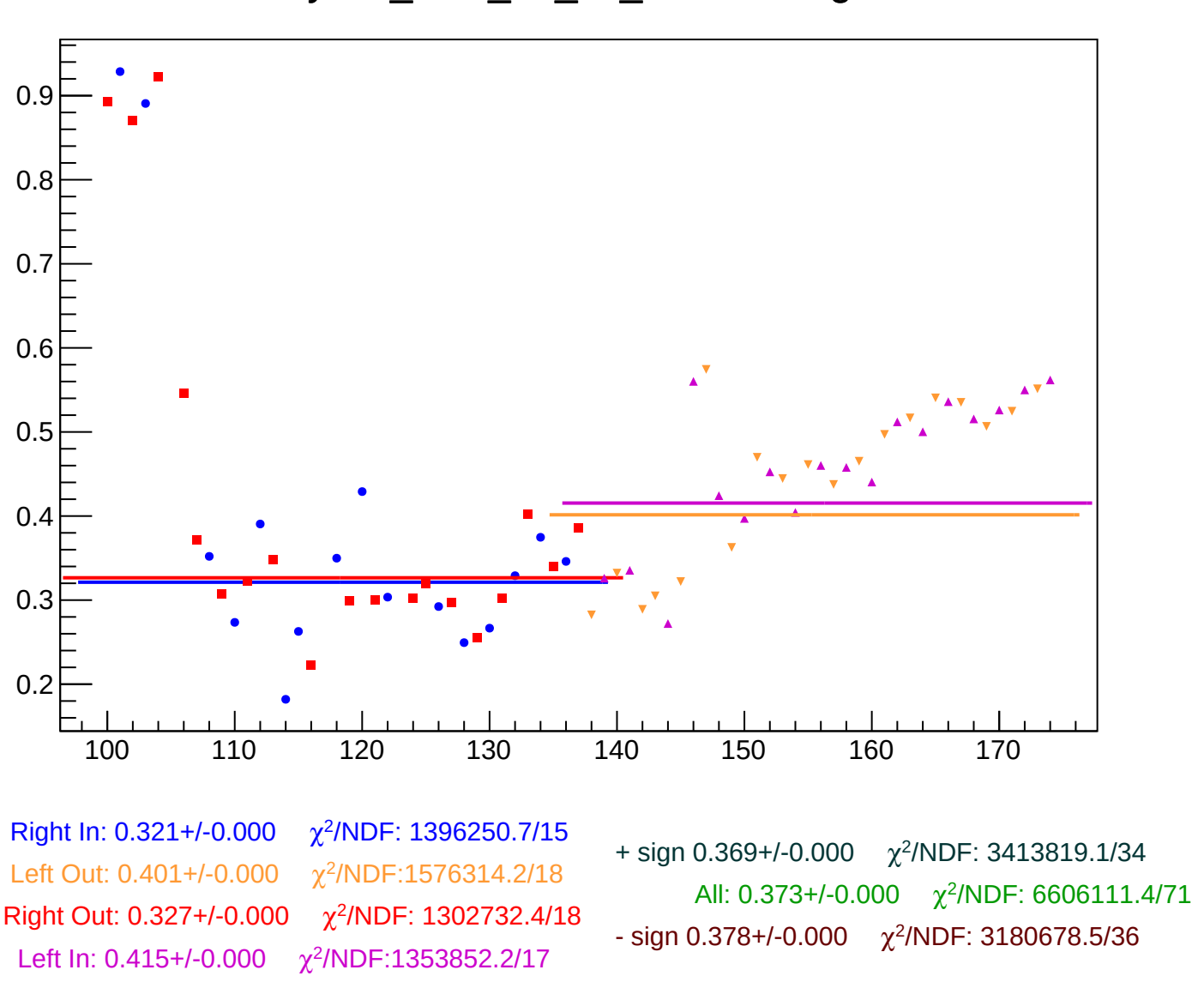
Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

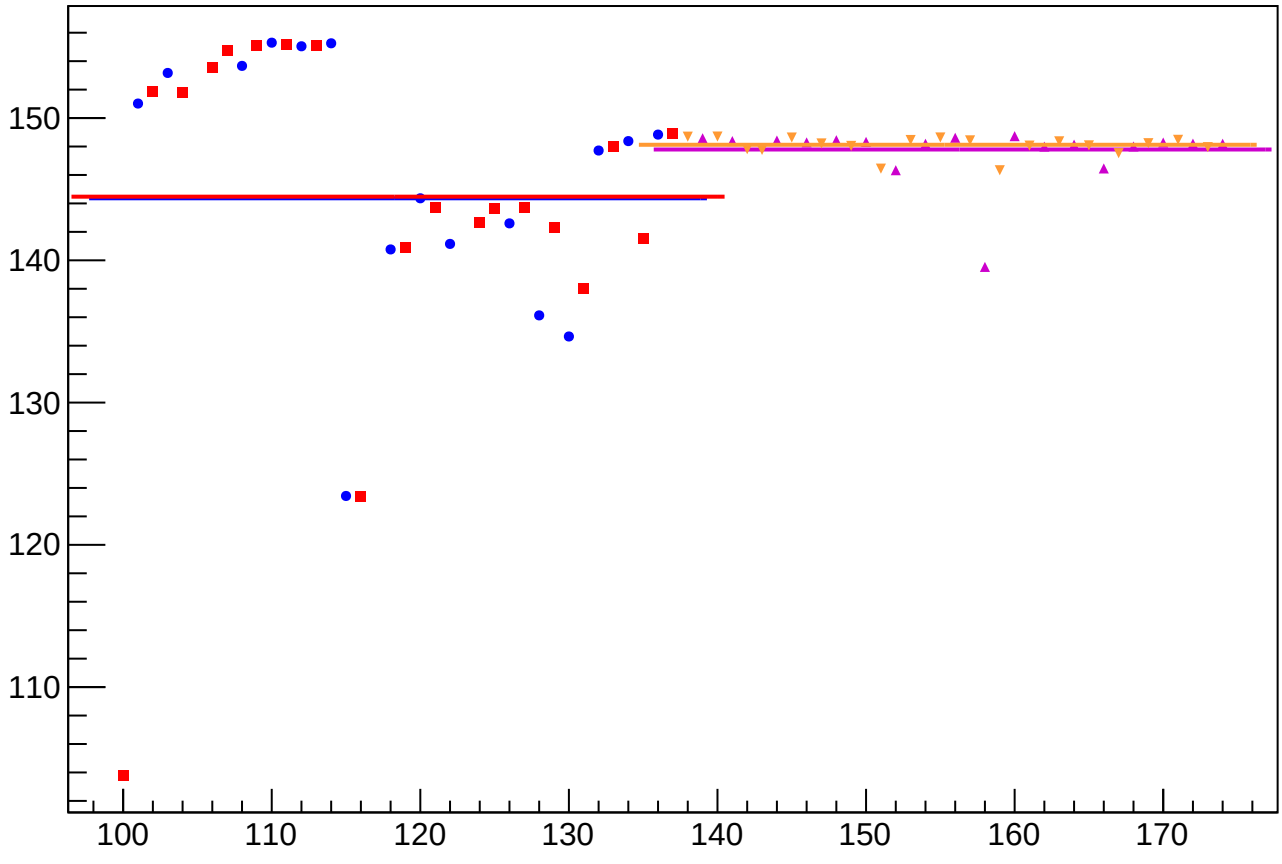
Left In: 147.608+/-0.000 χ^2/NDF:290718798.9/17

+ sign 146.415+/-0.000 χ^2/NDF: 4286012699.7/34

All: 146.317+/-0.000 χ^2/NDF: 9235831292.5

- sign 146.215+/-0.000 χ^2/NDF: 4947041739.6/36


yield_bcm_an_ds_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: 0.321+/-0.000 χ²/NDF: 1396250.7/15
Left Out: 0.401+/-0.000 χ²/NDF:1576314.2/18
Right Out: 0.327+/-0.000 χ²/NDF: 1302732.4/18
Left In: 0.415+/-0.000 χ²/NDF:1353852.2/17
+ sign 0.369+/-0.000 χ²/NDF: 3413819.1/34
All: 0.373+/-0.000 χ²/NDF: 6606111.4/71
- sign 0.378+/-0.000 χ²/NDF: 3180678.5/36



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.122+/-0.000 χ^2/NDF:34200539.8/18

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

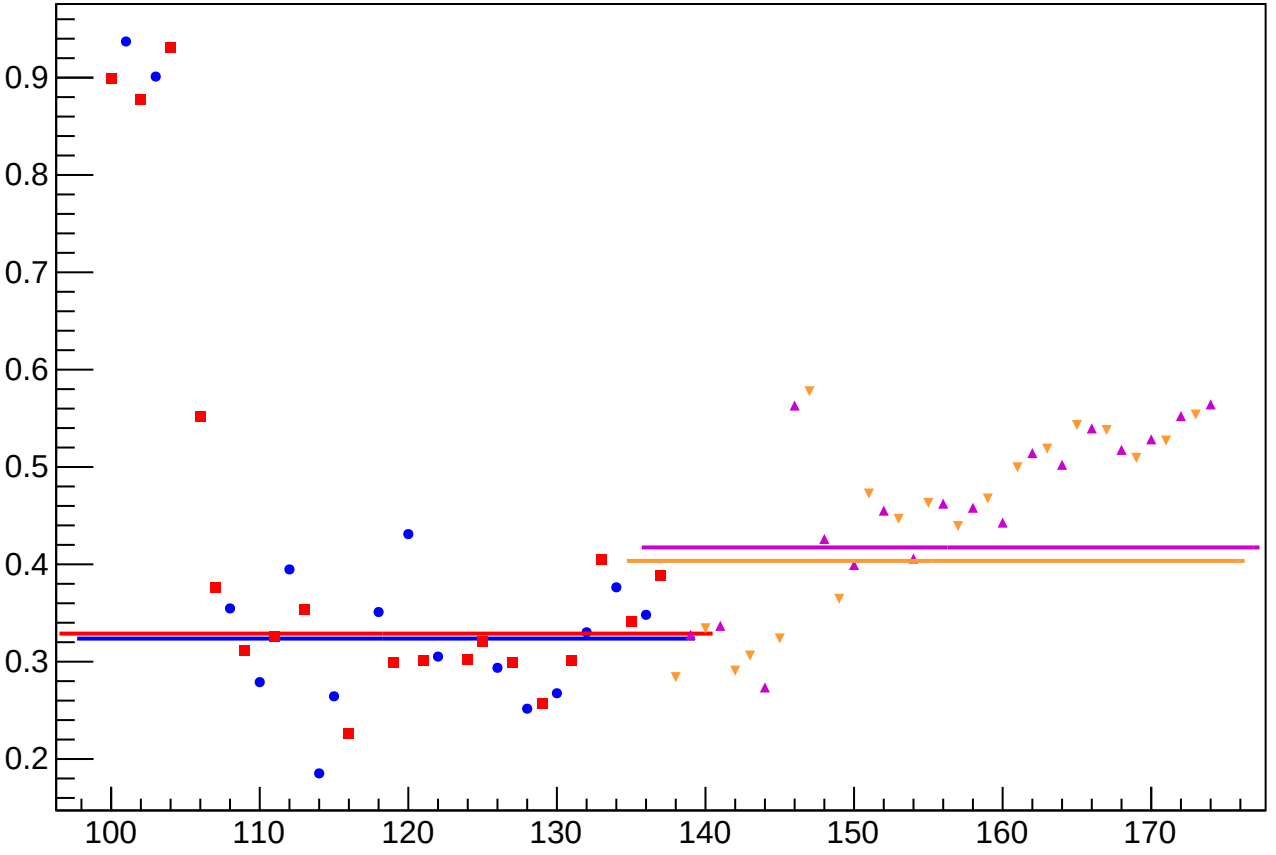
Left In: 147.790+/-0.000 χ^2/NDF:295255185.2/17

+ sign 146.605+/-0.000 χ^2/NDF: 4272398342.2/34

All: 146.506+/-0.000 χ^2/NDF: 9212775929.3

- 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: 0.404+/-0.000 χ^2/NDF:1573305.9/18

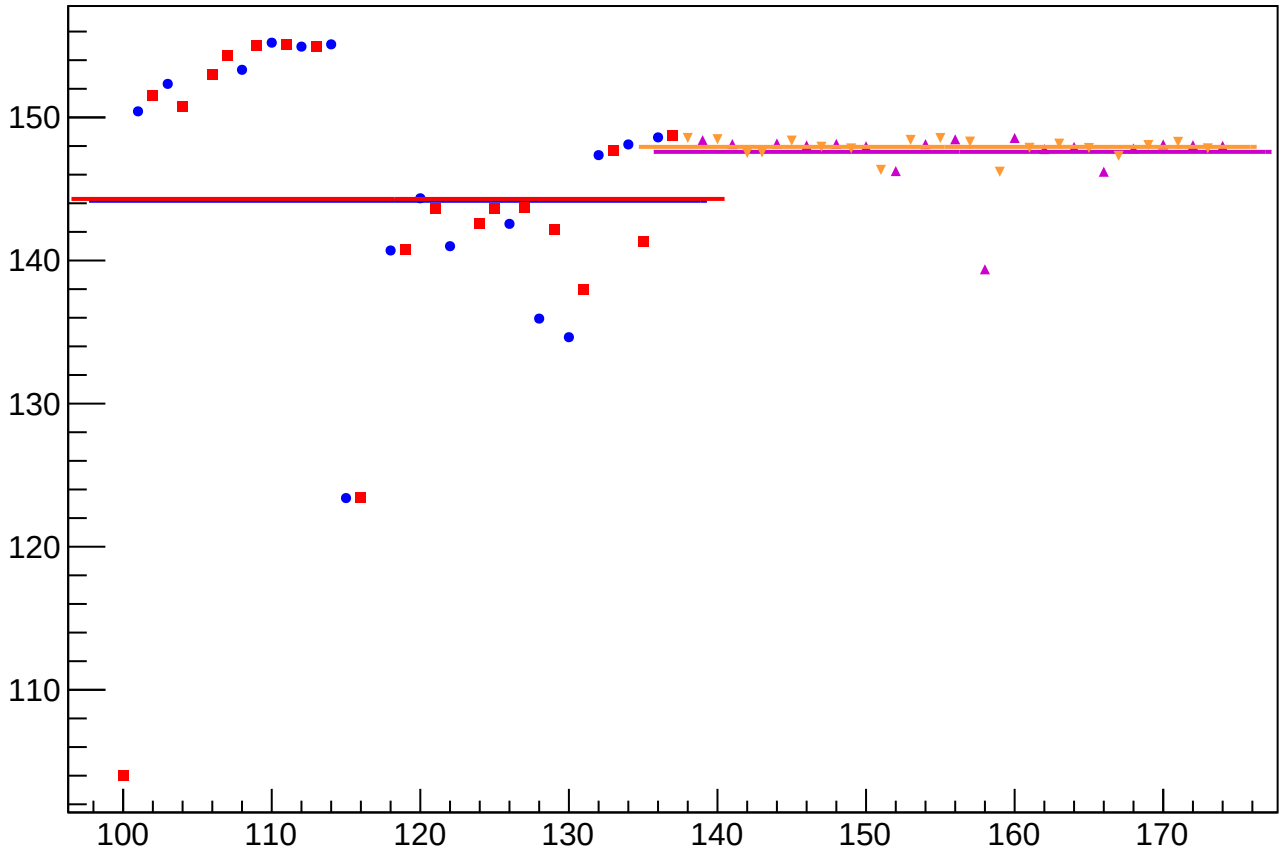
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.417+/-0.000 χ^2/NDF:1352478.4/17

+ sign 0.371+/-0.000 χ^2/NDF: 3397571.2/34

All: 0.376+/-0.000 χ^2/NDF: 6578392.5/71

- 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: 147.942+/-0.000 χ^2/NDF:34253428.2/18

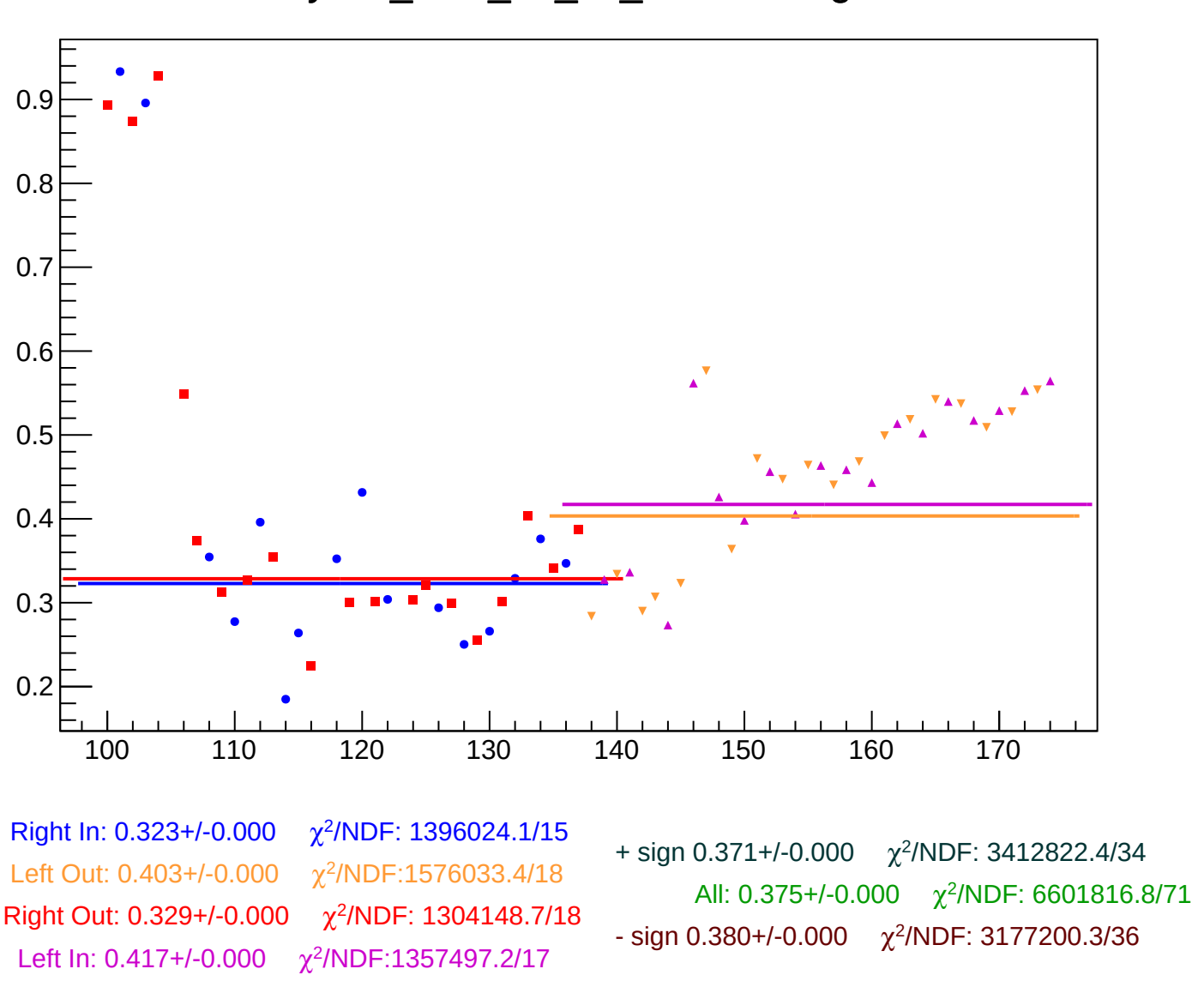
Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

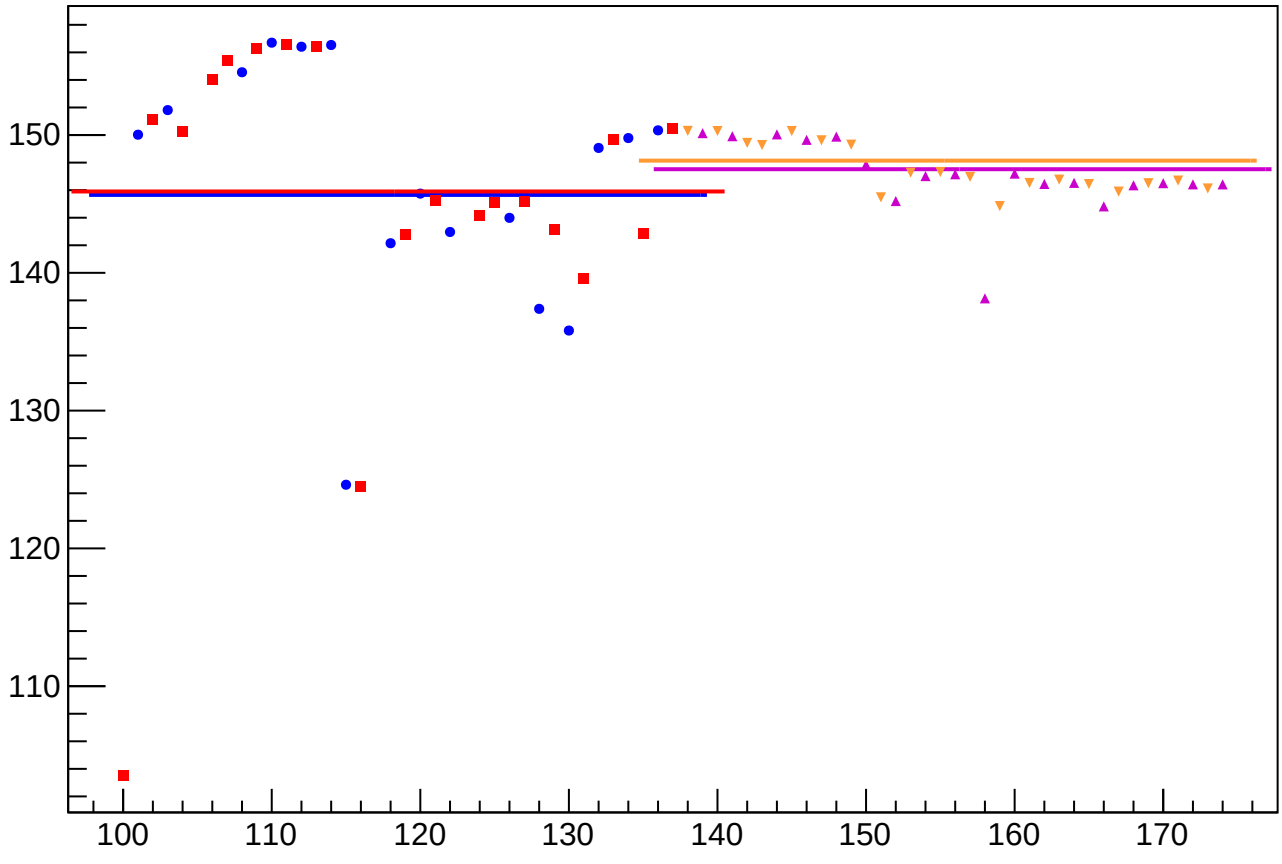
Left In: 147.592+/-0.000 χ^2/NDF:290461427.2/17

+ sign 146.419+/-0.000 χ^2/NDF: 4241136186.0/34

All: 146.320+/-0.000 χ^2/NDF: 9153867248.0

- sign 146.216+/-0.000 χ^2/NDF: 4909891722.1/36


yield_bcm_an_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: 0.323+/-0.000 χ²/NDF: 1396024.1/15
Left Out: 0.403+/-0.000 χ²/NDF:1576033.4/18
Right Out: 0.329+/-0.000 χ²/NDF: 1304148.7/18
Left In: 0.417+/-0.000 χ²/NDF:1357497.2/17
+ sign 0.371+/-0.000 χ²/NDF: 3412822.4/34
All: 0.375+/-0.000 χ²/NDF: 6601816.8/71
- sign 0.380+/-0.000 χ²/NDF: 3177200.3/36



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.143+/-0.000 χ^2/NDF:258487118.8/18

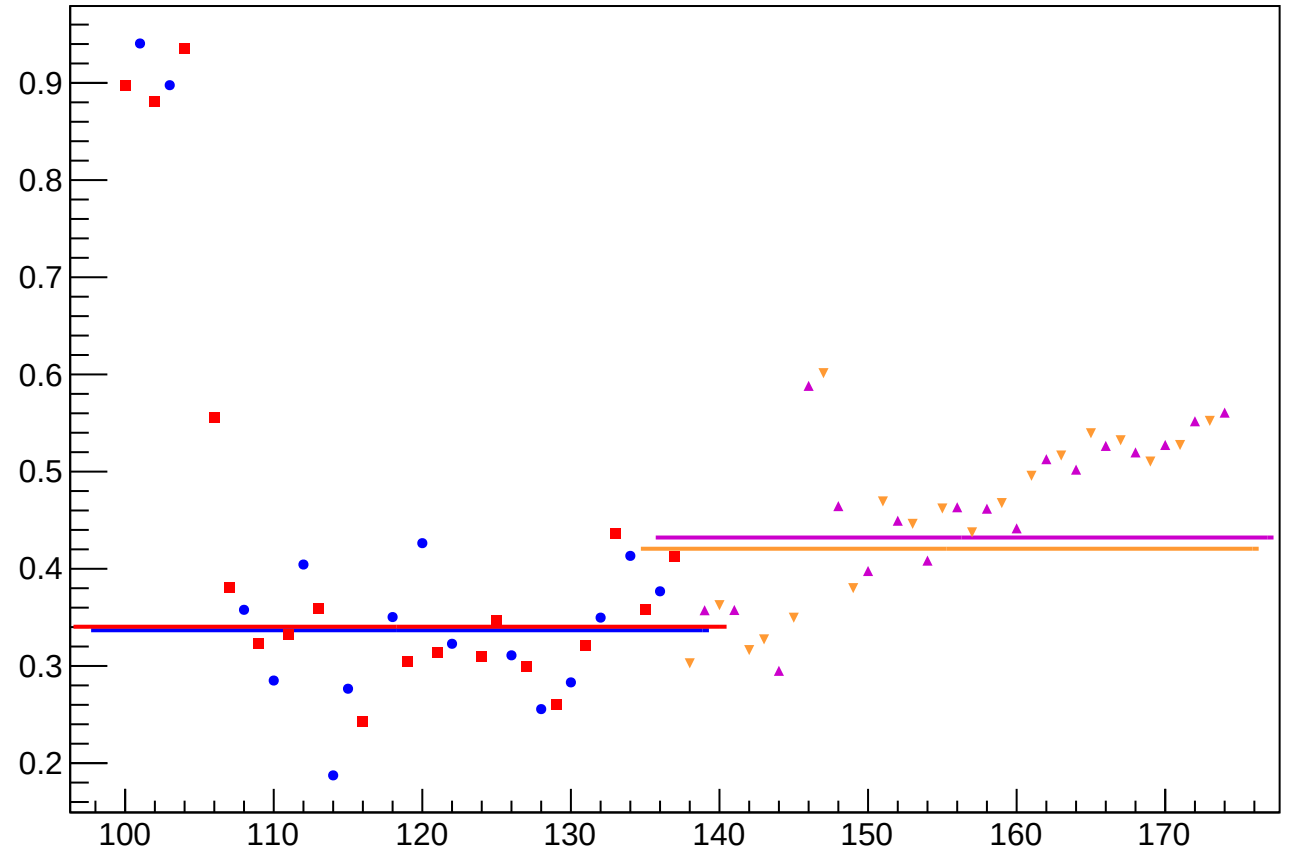
Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.521+/-0.000 χ^2/NDF:562311194.6/17

+ sign 147.145+/-0.000 χ^2/NDF: 3933944273.1/34

All: 146.999+/-0.000 χ^2/NDF: 8445156486.2

- sign 146.849+/-0.000 χ^2/NDF: 4505597694.6/36



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.421+/-0.000 χ^2/NDF:1176465.4/18

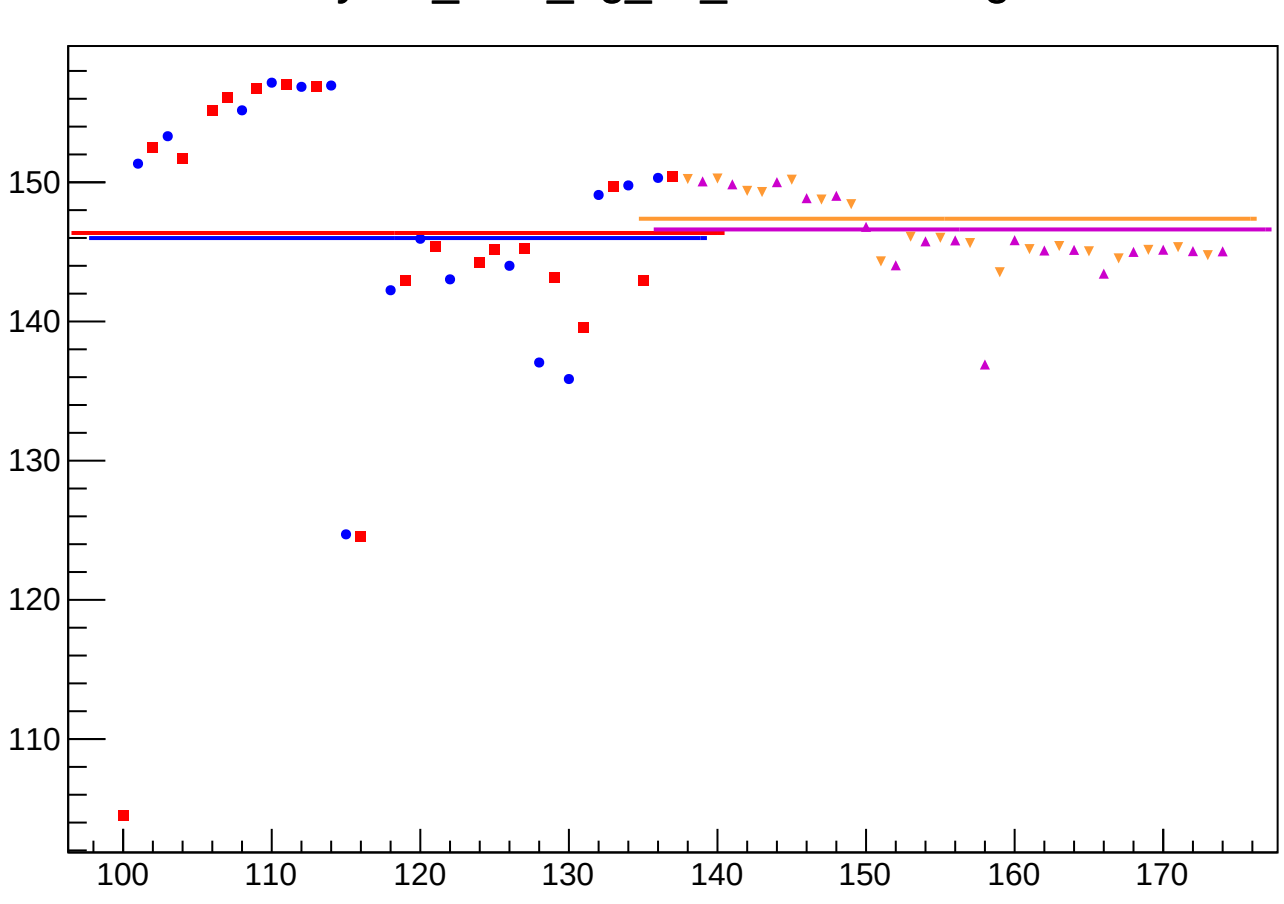
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.432+/-0.000 χ^2/NDF:1040420.5/17

+ sign 0.387+/-0.000 χ^2/NDF: 2988837.0/34

All: 0.390+/-0.000 χ^2/NDF: 5828196.1/71

- sign 0.394+/-0.000 χ^2/NDF: 2832936.0/36



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.382+/-0.000 χ^2/NDF:439088752.0/18

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

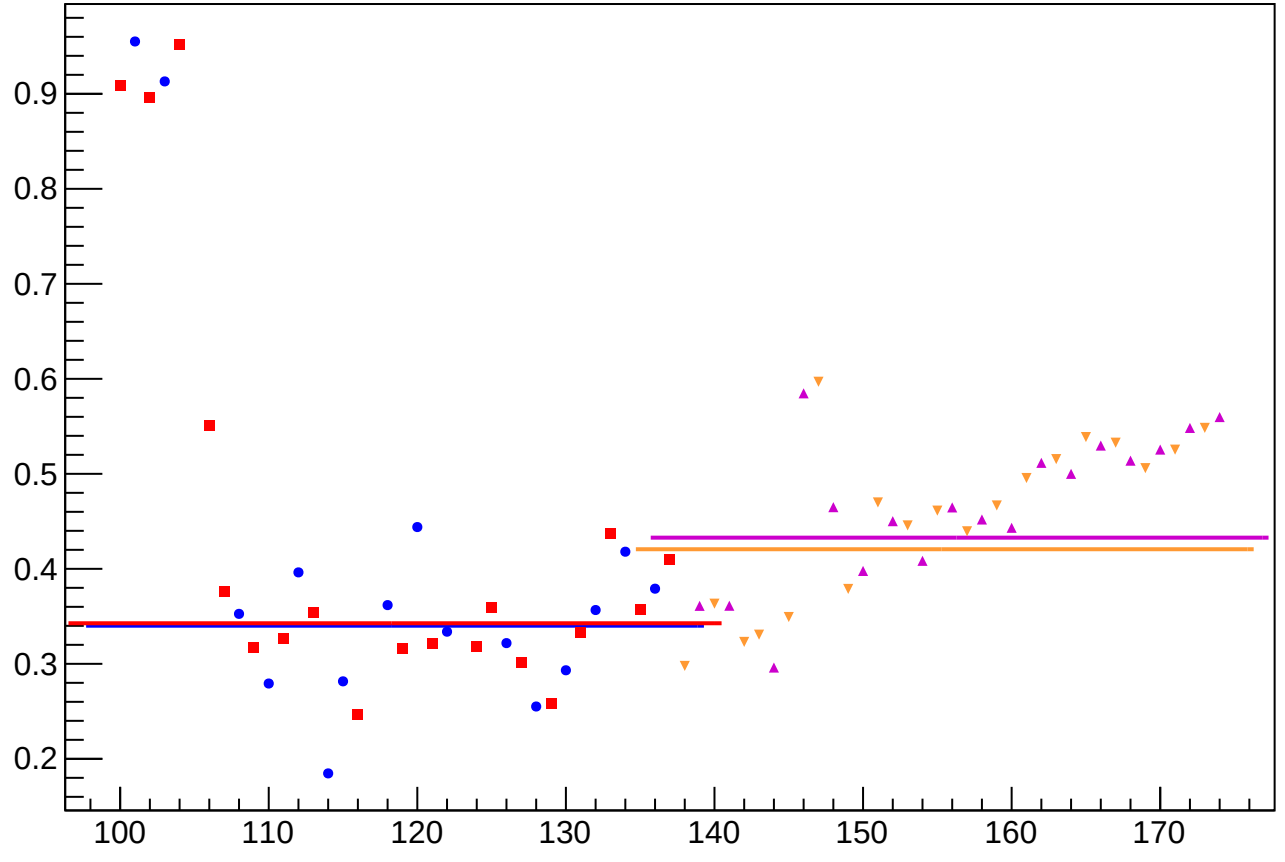
Left In: 146.612+/-0.000 χ^2/NDF:749813786.9/17

+ sign 146.832+/-0.000 χ^2/NDF: 4120407566.1/34

All: 146.672+/-0.000 χ^2/NDF: 8841988151.7

- sign 146.508+/-0.000 χ^2/NDF: 4714896058.3/36

yield_bcm_dg_ds_rms vs Slug



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.421+/-0.000 χ^2/NDF:1159694.9/18

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

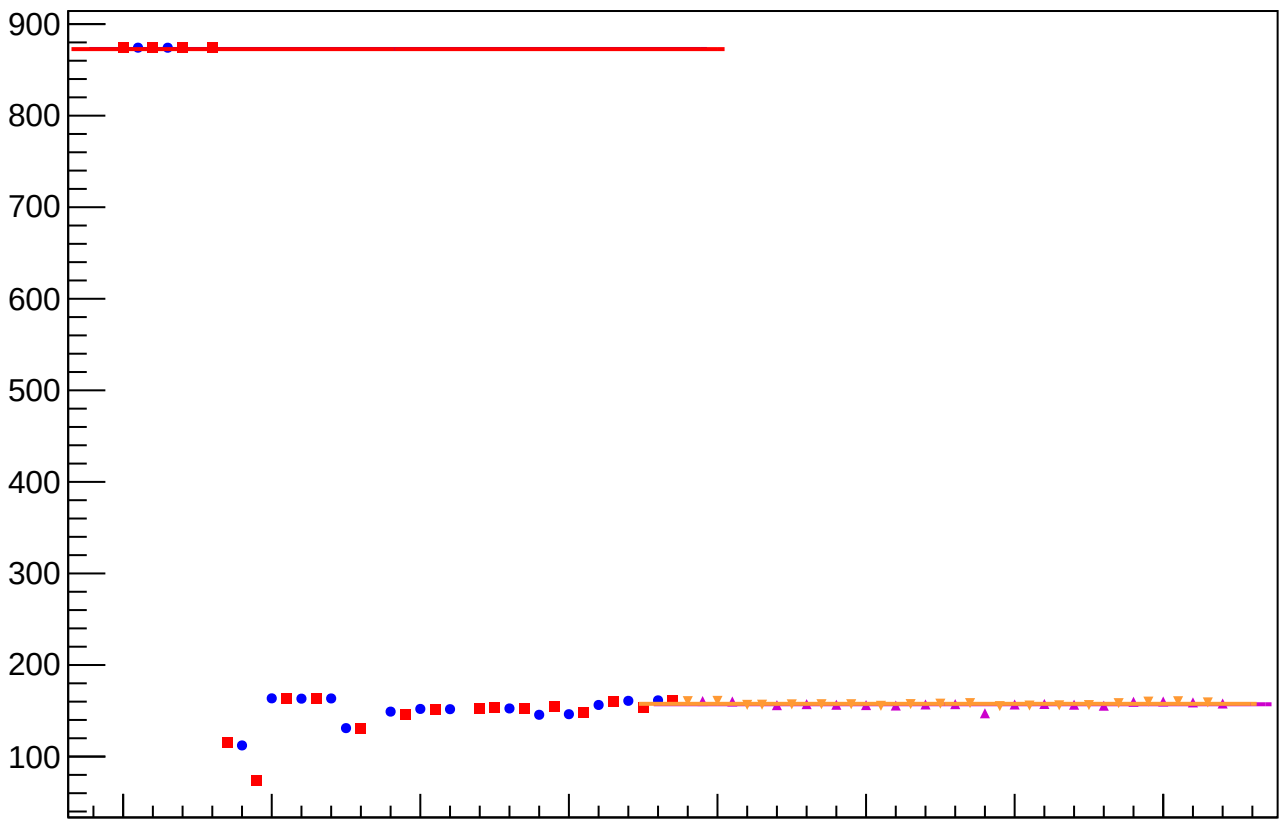
Left In: 0.433+/-0.000 χ^2/NDF:995007.0/17

+ sign 0.389+/-0.000 χ^2/NDF: 2953690.9/34

All: 0.392+/-0.000 χ^2/NDF: 5719300.7/71

- 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: 157.614+/-0.000 χ^2/NDF:90290725.1/18

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

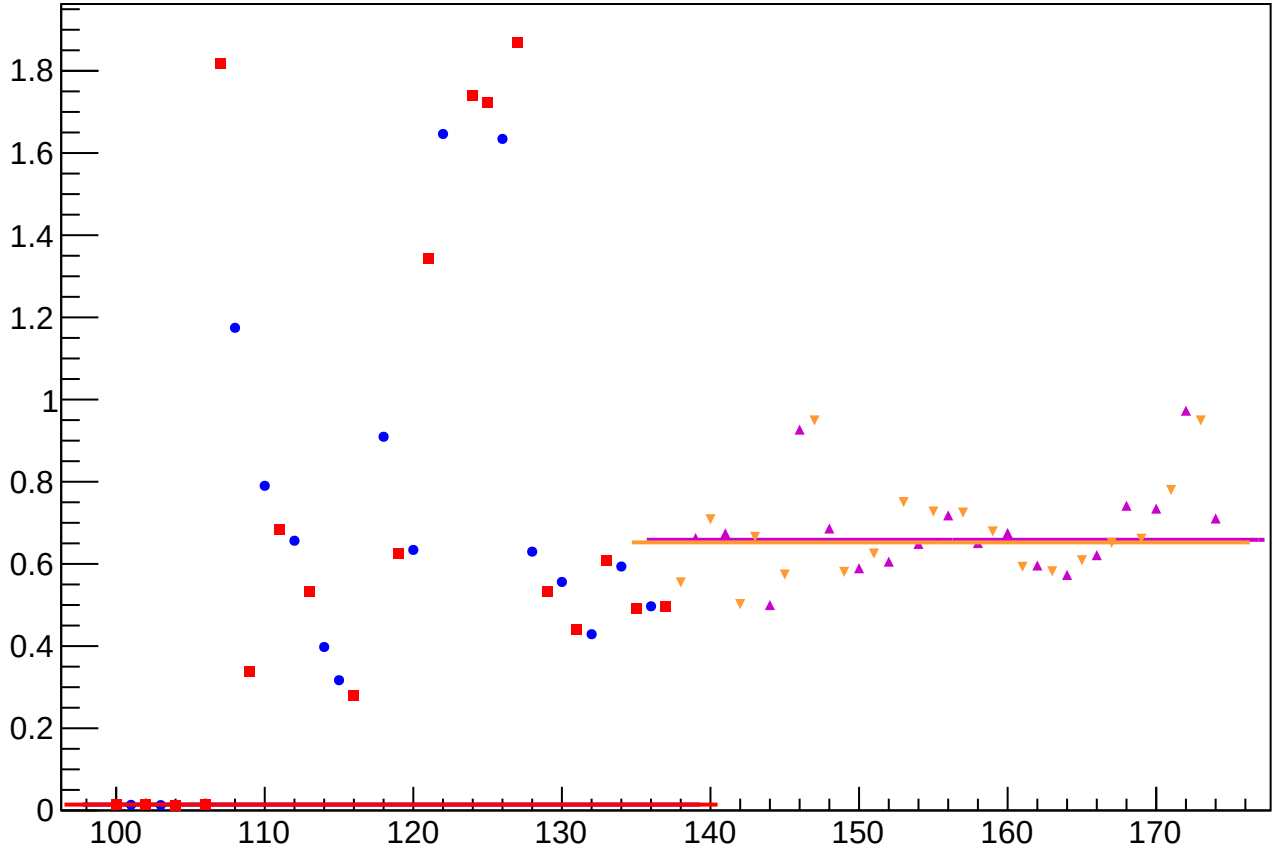
Left In: 157.127+/-0.000 χ^2/NDF:202257447.5/17

+ sign 870.194+/-0.000 χ^2/NDF: 20579746098621.

All: 870.324+/-0.000 χ^2/NDF: 428984769307

- sign 870.437+/-0.000 χ^2/NDF: 22318506014103.1

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.652+/-0.000 χ^2/NDF:489975.4/18

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

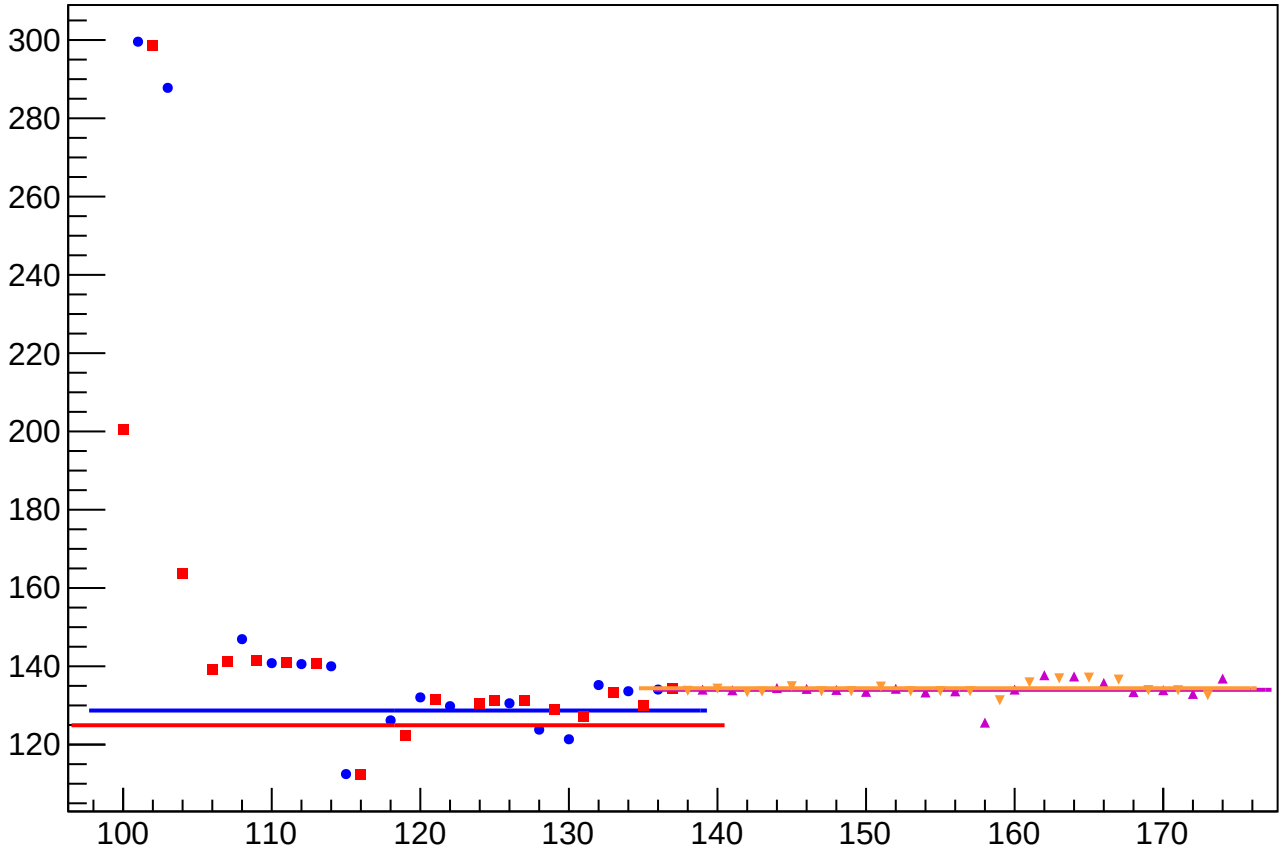
Left In: 0.659+/-0.000 χ^2/NDF:460406.6/17

+ sign 0.017+/-0.000 χ^2/NDF: 31421119.3/34

All: 0.016+/-0.000 χ^2/NDF: 62629605.5/71

- 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: 134.392+/-0.000 χ^2/NDF:120476496.3/18

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

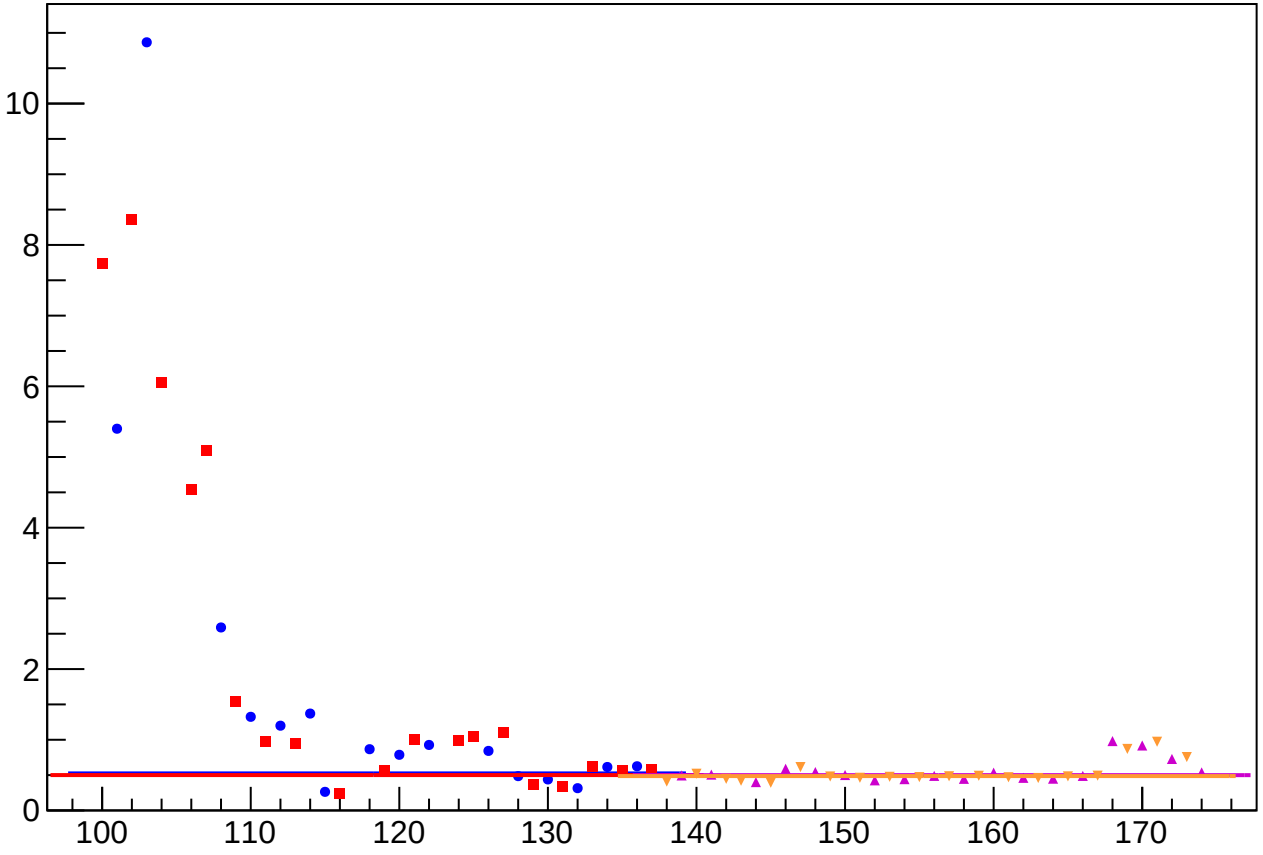
Left In: 133.995+/-0.000 χ^2/NDF:392667145.5/17

+ sign 133.263+/-0.000 χ^2/NDF: 2123708693.7/34

All: 132.662+/-0.000 χ^2/NDF: 4866794554.5

- 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: 0.486+/-0.000 χ^2/NDF:1039331.5/18

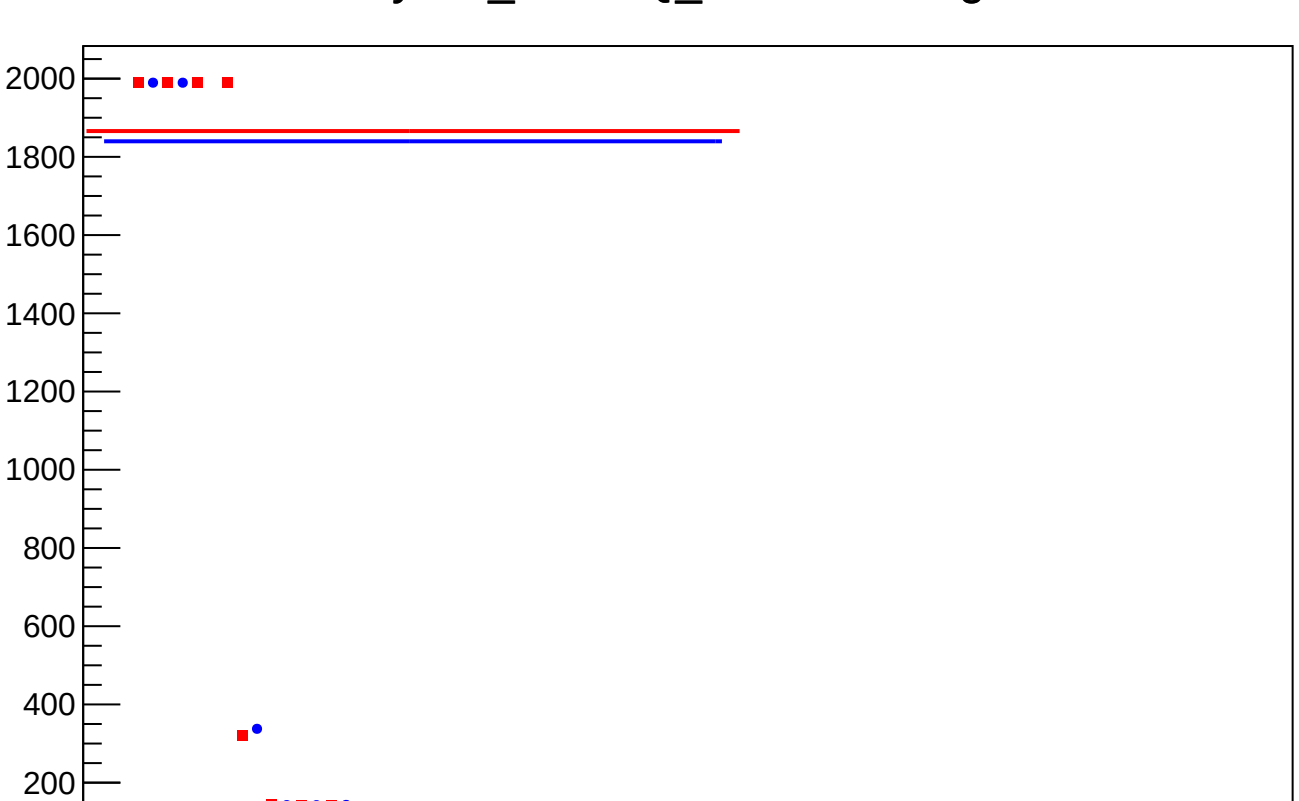
Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.499+/-0.000 χ^2/NDF:1085314.2/17

+ sign 0.494+/-0.000 χ^2/NDF: 5208450.5/34

All: 0.497+/-0.000 χ^2/NDF: 11180292.1/71

- 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: 137.502+/-0.000 χ^2/NDF:59316278.9/18

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

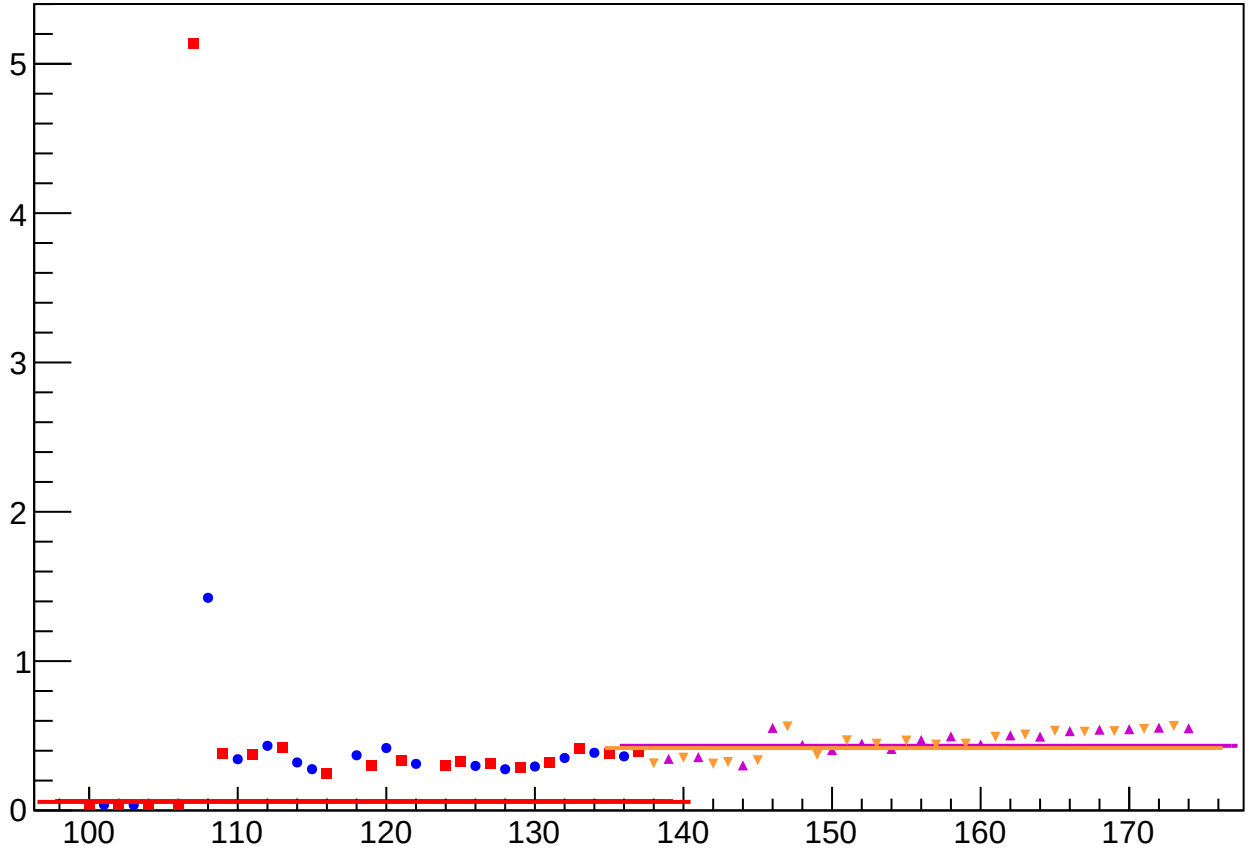
Left In: 137.320+/-0.000 χ^2/NDF:237321435.5/17

+ sign 1630.861+/-0.000 χ^2/NDF: 34874830243094

All: 1663.983+/-0.000 χ^2/NDF: 691872902

- 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: 0.418+/-0.000 χ^2/NDF:1190500.4/18

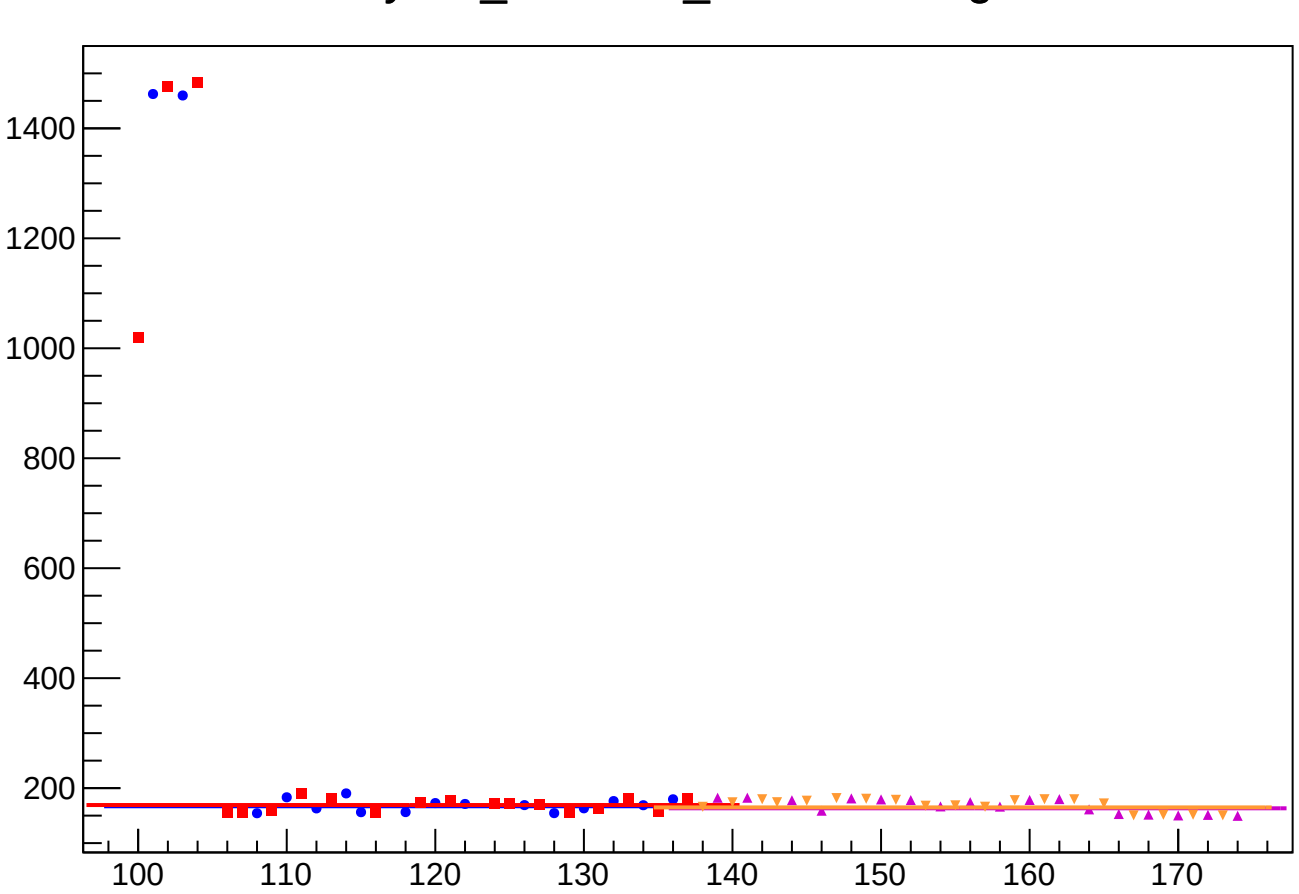
Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.433+/-0.000 χ^2/NDF:1018303.8/17

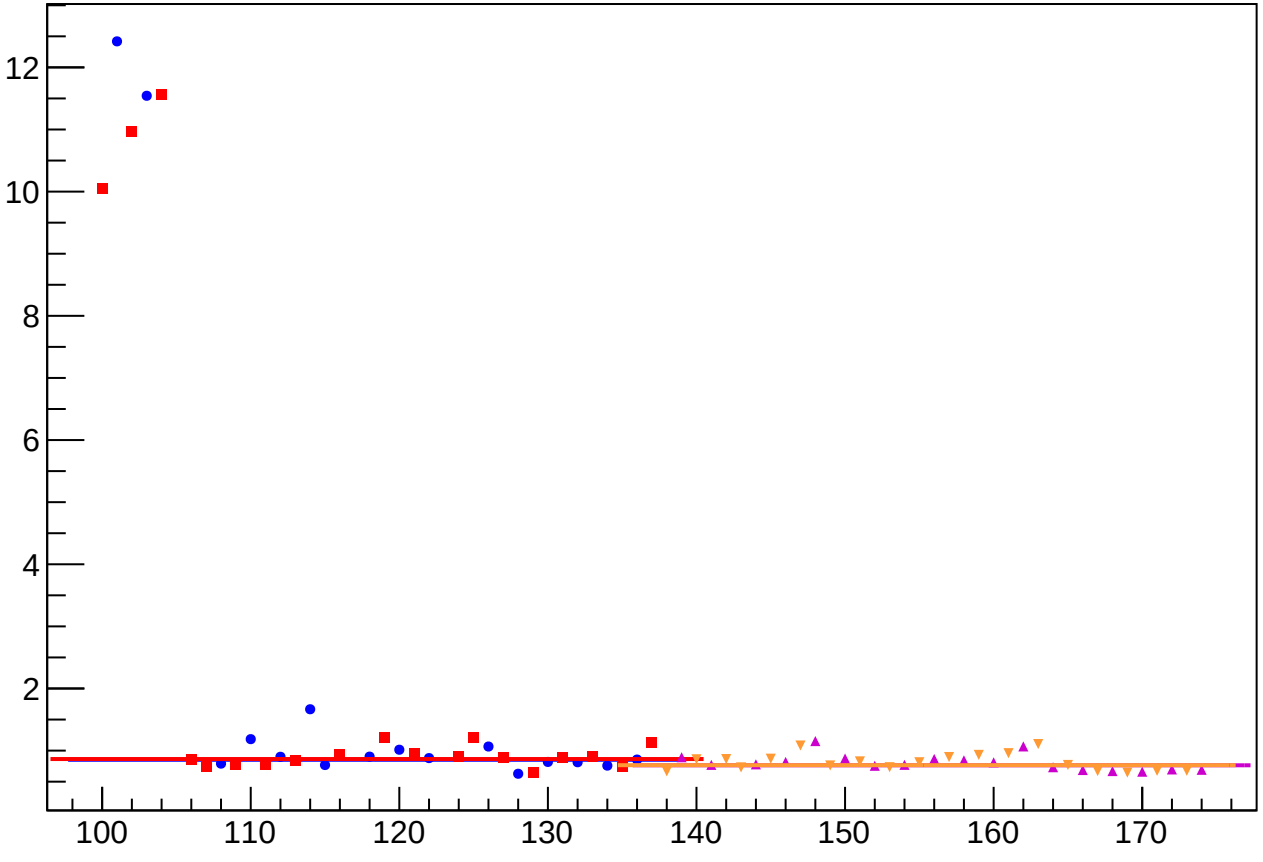
+ sign 0.105+/-0.000 χ^2/NDF: 27096343.4/34

All: 0.100+/-0.000 χ^2/NDF: 54736146.8/71

- sign 0.095+/-0.000 χ^2/NDF: 27562179.2/36


yield_bcm0l02_mean vs Slug
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 167.017+/-0.000 χ²/NDF: 14614977518.5/15
Left Out: 164.929+/-0.000 χ²/NDF:2554887281.6/18
Right Out: 169.257+/-0.000 χ²/NDF: 16317542946.8/18
Left In: 163.311+/-0.000 χ²/NDF:2883053616.0/17
+ sign 165.414+/-0.000 χ²/NDF: 17187585458.7/34
All: 165.055+/-0.000 χ²/NDF: 36541505575.
- sign 164.704+/-0.000 χ²/NDF: 19348113177.8/36

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.765+/-0.000 χ^2/NDF:500211.9/18

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

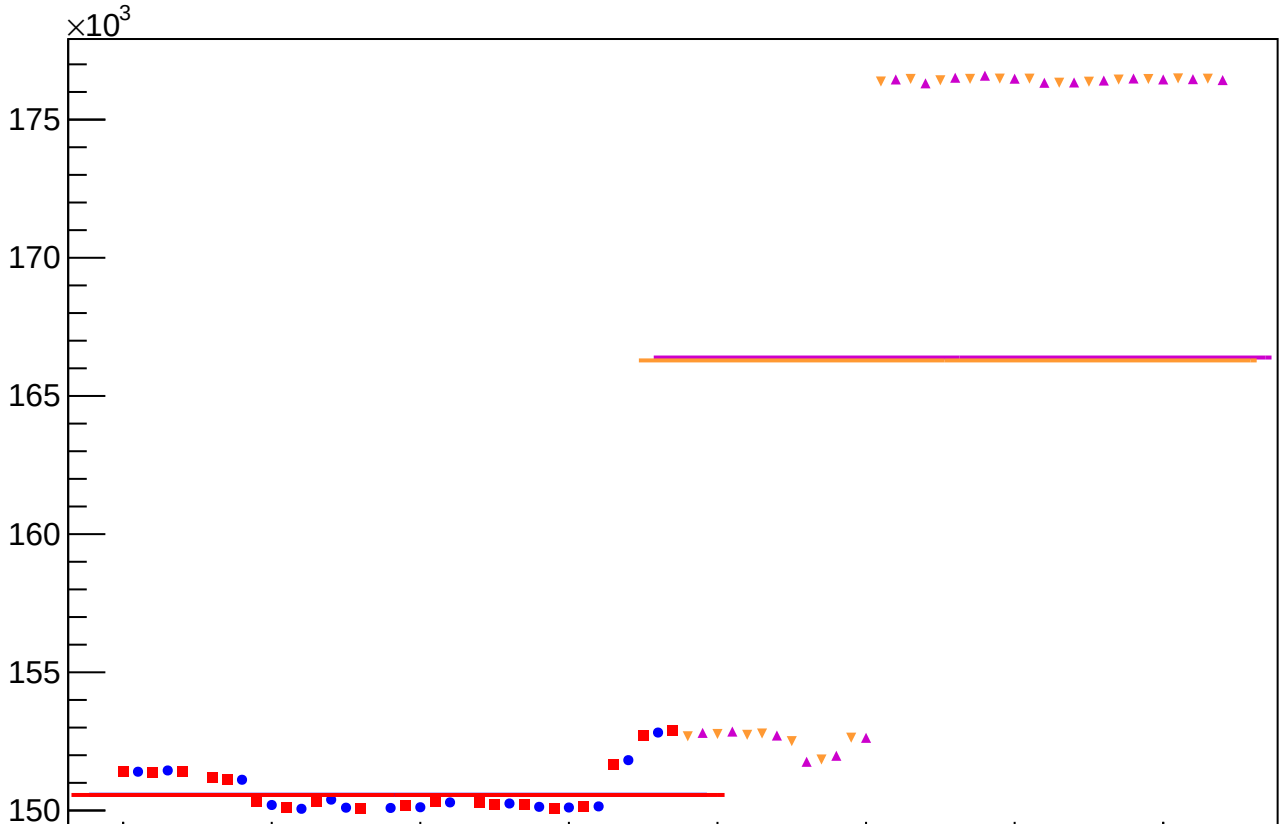
Left In: 0.764+/-0.000 χ^2/NDF:406653.2/17

+ sign 0.786+/-0.000 χ^2/NDF: 2865099.3/34

All: 0.786+/-0.000 χ^2/NDF: 5565594.6/71

- sign 0.787+/-0.000 χ^2/NDF: 2700435.3/36

yield_bpm2i01WS_mean vs Slug



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166285.952+/-0.050 χ^2/NDF:55759171910.9/18

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

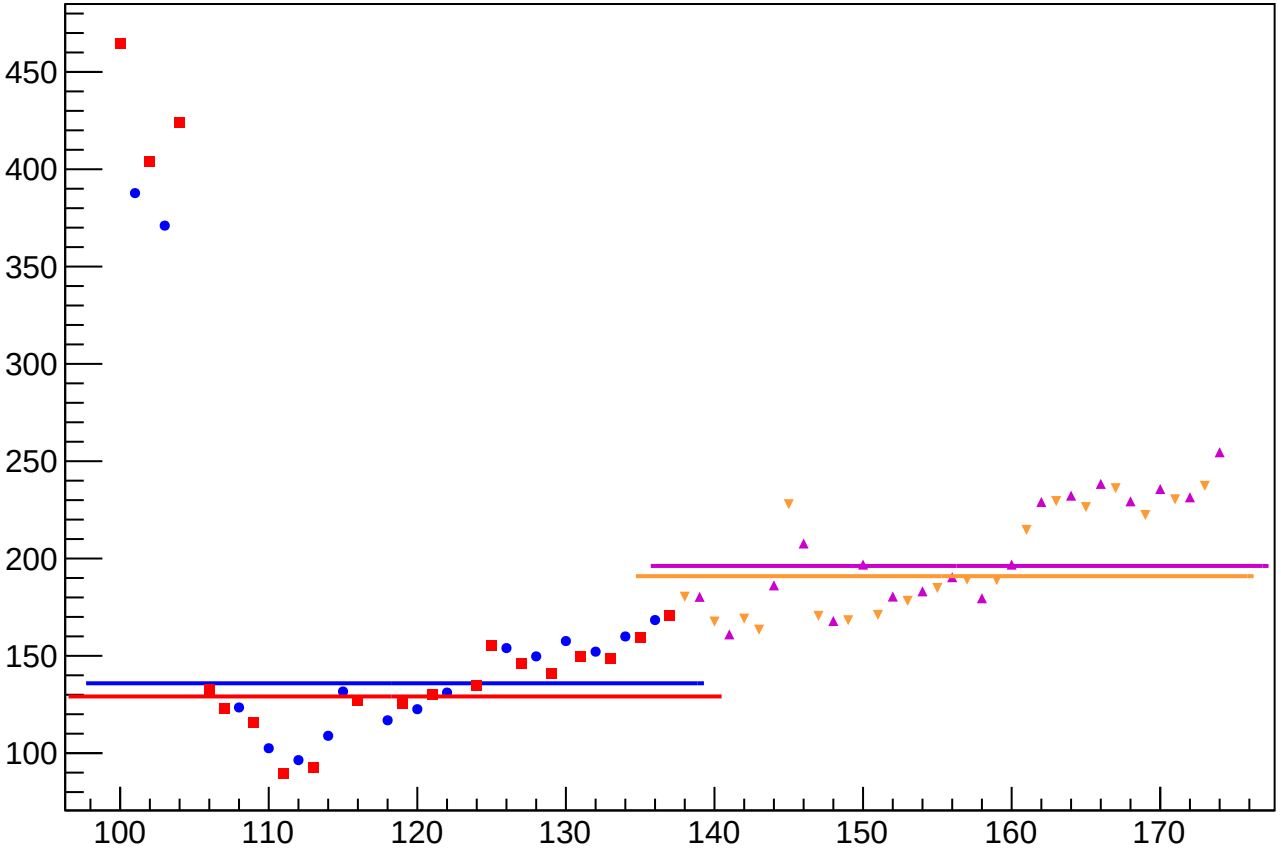
Left In: 166390.594+/-0.052 χ^2/NDF:52514370933.6/17

+ sign 159116.371+/-0.037 χ^2/NDF: 10104431166

All: 158741.132+/-0.026 χ^2/NDF: 2015632

- sign 158378.239+/-0.036 χ^2/NDF: 10031533139

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 190.936+/-0.035 χ^2/NDF:520372.5/18

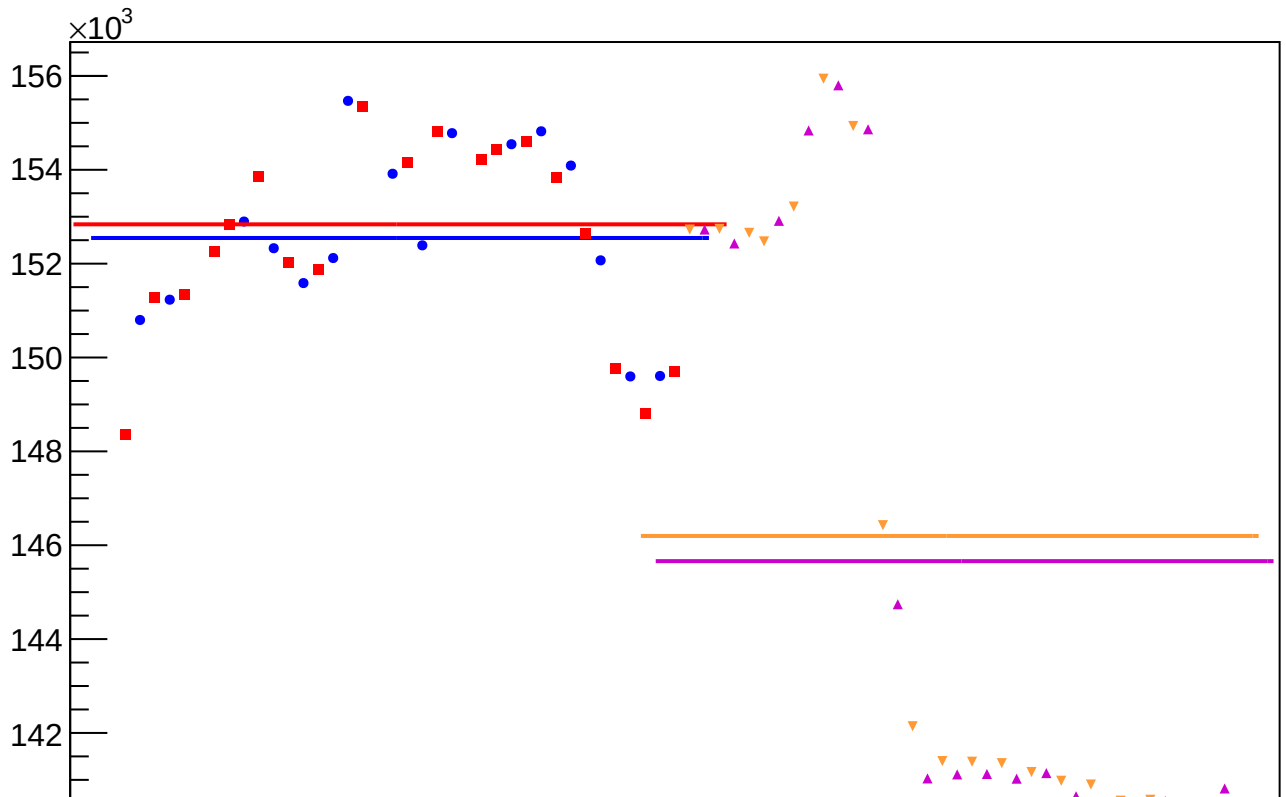
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 196.186+/-0.036 χ^2/NDF:497568.0/17

+ sign 165.829+/-0.026 χ^2/NDF: 3041572.4/34

All: 164.006+/-0.018 χ^2/NDF: 6871613.5/71

- 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: 146197.525+/-0.054 χ^2/NDF:11893744629.4/18

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

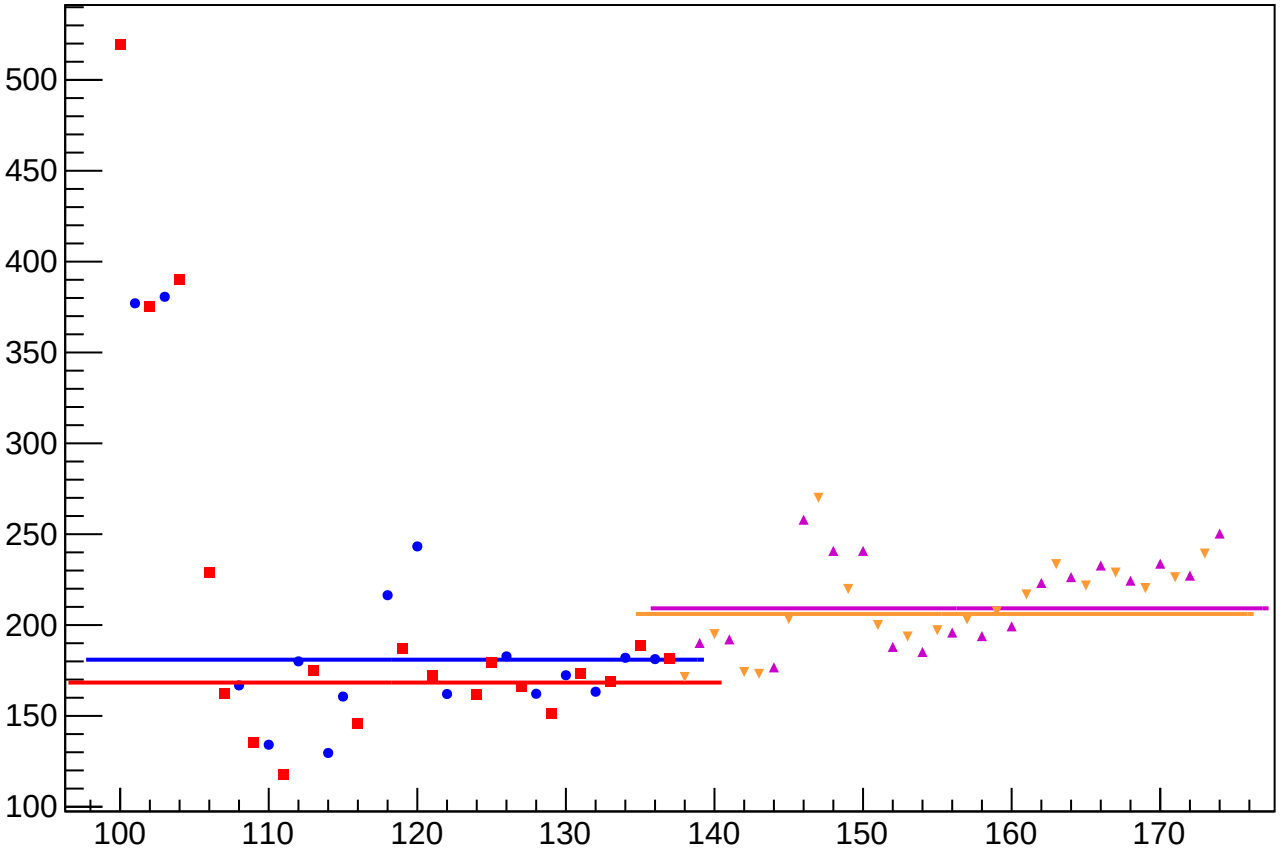
Left In: 145661.019+/-0.055 χ^2/NDF:11970445053.5/17

+ sign 148458.036+/-0.043 χ^2/NDF: 17471825063.

All: 148515.761+/-0.030 χ^2/NDF: 3707391

- 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: 206.113+/-0.038 χ^2/NDF:361775.7/18

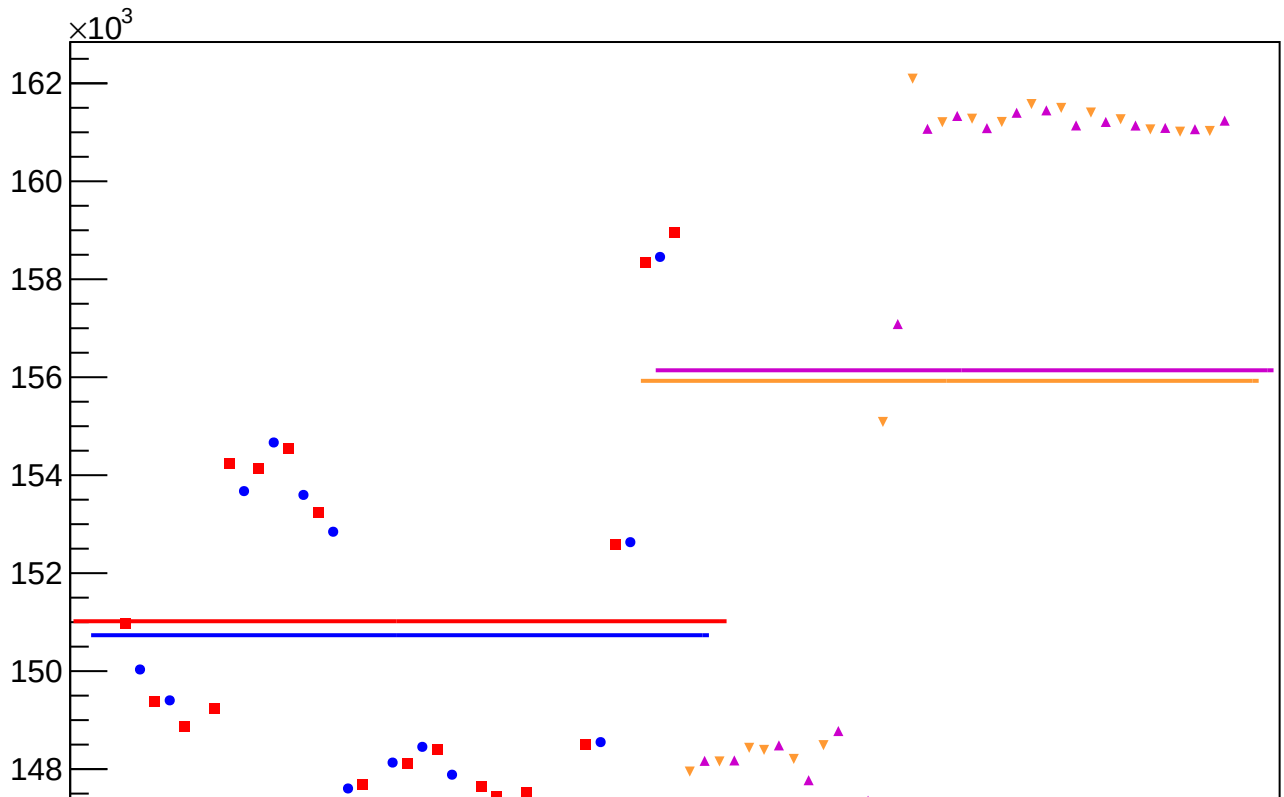
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 209.199+/-0.039 χ^2/NDF:390085.9/17

+ sign 197.151+/-0.031 χ^2/NDF: 1424336.9/34

All: 194.846+/-0.021 χ^2/NDF: 3361111.9/71

- 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: 155926.278+/-0.052 χ^2/NDF:14511220001.4/18

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

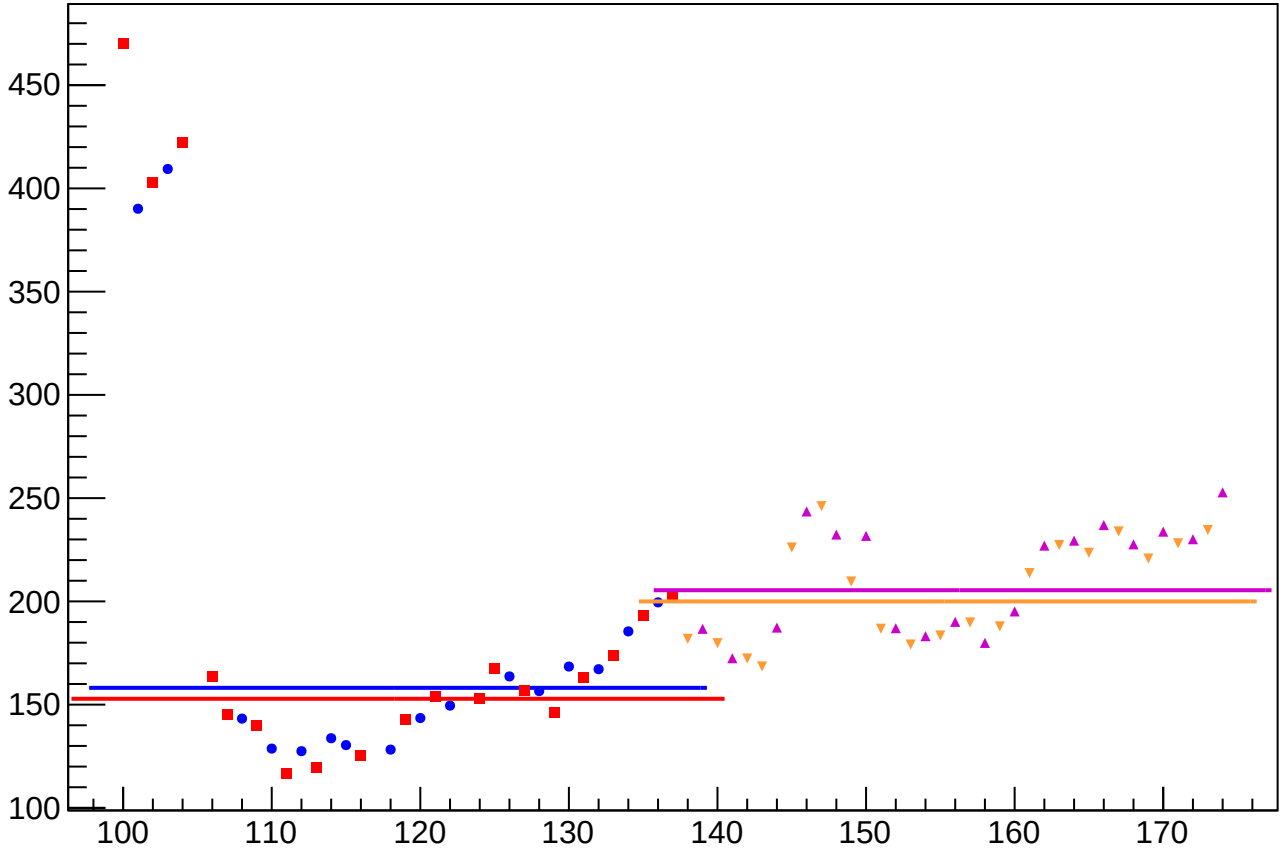
Left In: 156141.529+/-0.054 χ^2/NDF:12993741629.5/17

+ sign 153803.923+/-0.040 χ^2/NDF: 21825575787.

All: 153827.731+/-0.028 χ^2/NDF: 42130173

- 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: 199.975+/-0.037 χ^2/NDF:401813.2/18

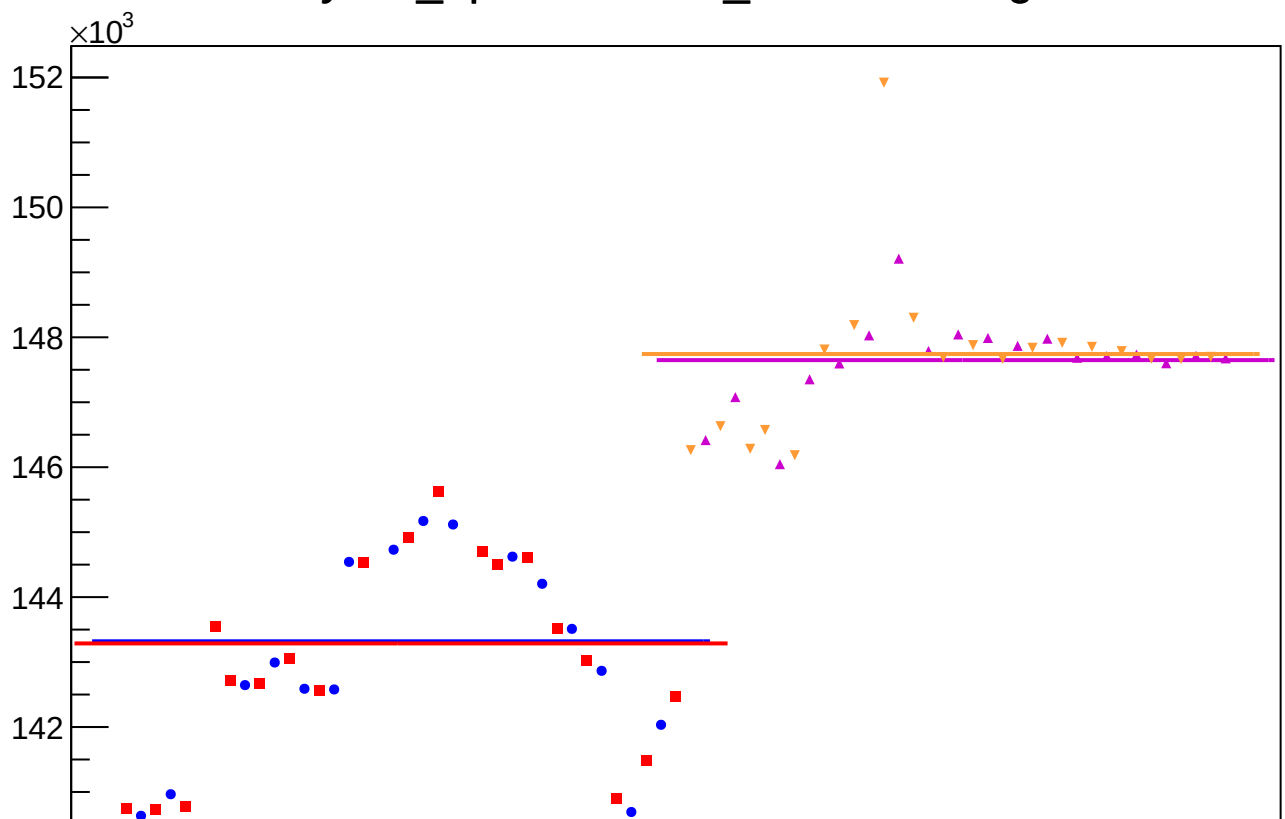
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 205.405+/-0.038 χ^2/NDF:443312.1/17

+ sign 182.876+/-0.028 χ^2/NDF: 2120739.2/34

All: 182.392+/-0.020 χ^2/NDF: 4676128.6/71

- 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: 147742.472+/-0.049 χ^2/NDF:670745716.1/18

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

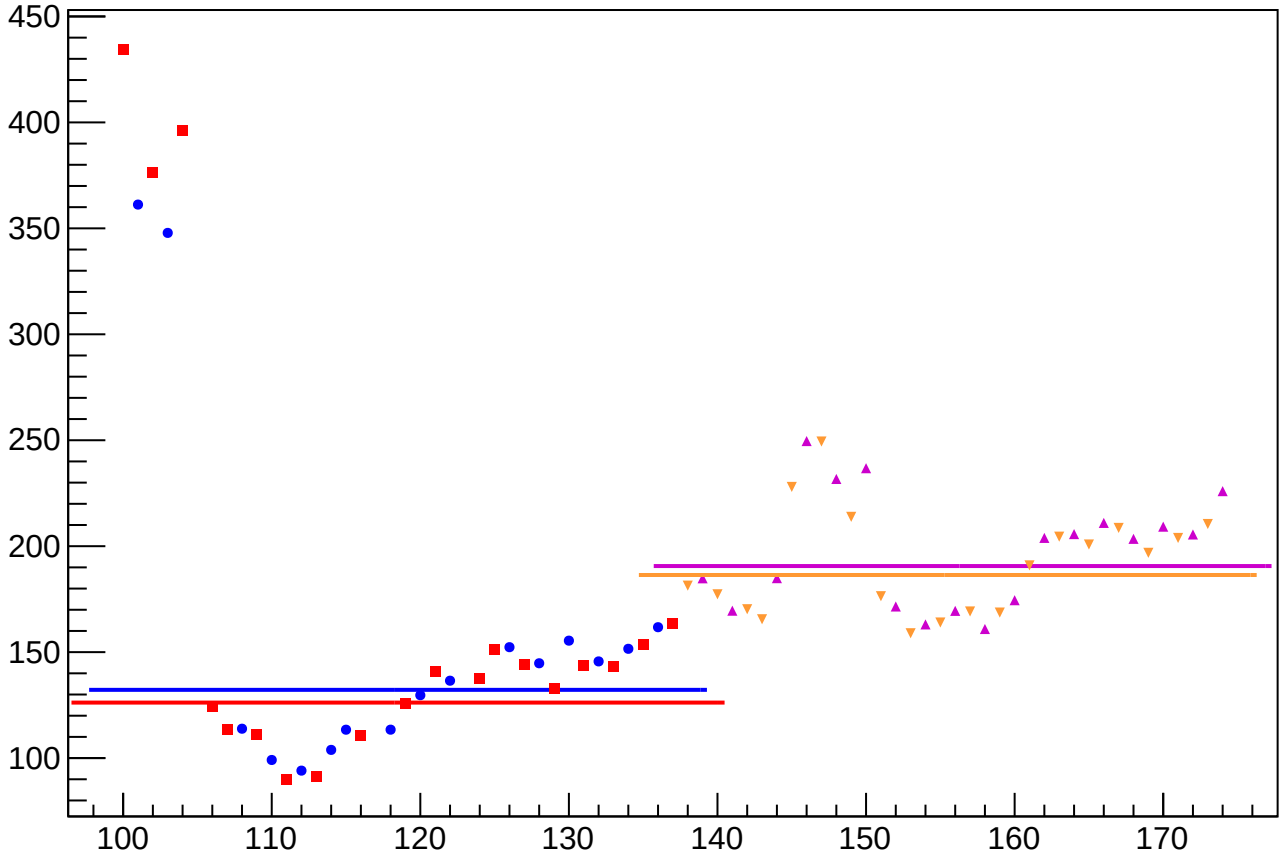
Left In: 147648.798+/-0.050 χ^2/NDF:199577342.3/17

+ sign 145719.043+/-0.036 χ^2/NDF: 4990276673.6

All: 145580.339+/-0.025 χ^2/NDF: 9651744

- 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: 186.406+/-0.034 χ^2/NDF:418135.5/18

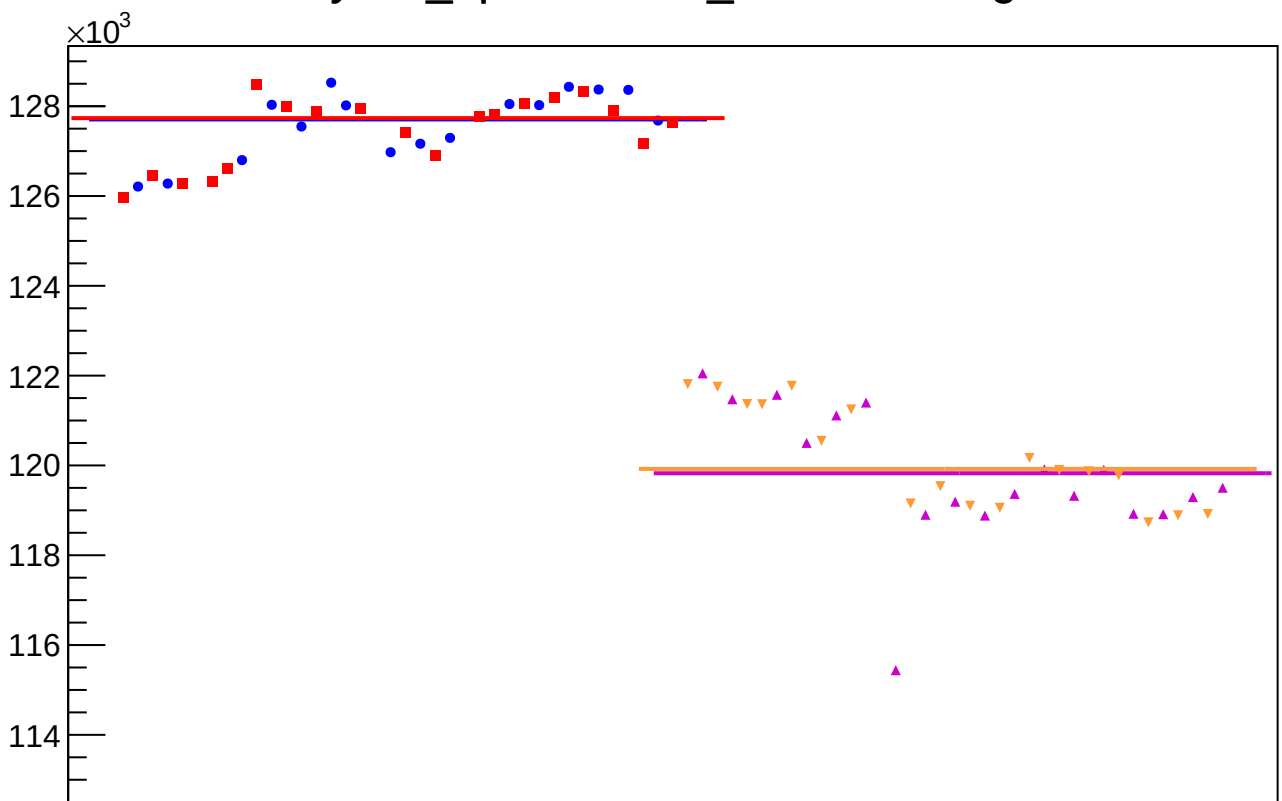
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 190.629+/-0.035 χ^2/NDF:508770.9/17

+ sign 161.609+/-0.025 χ^2/NDF: 2926769.0/34

All: 159.820+/-0.018 χ^2/NDF: 6654258.0/71

- 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: 119922.571+/-0.049 χ^2/NDF:1820582292.7/18

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

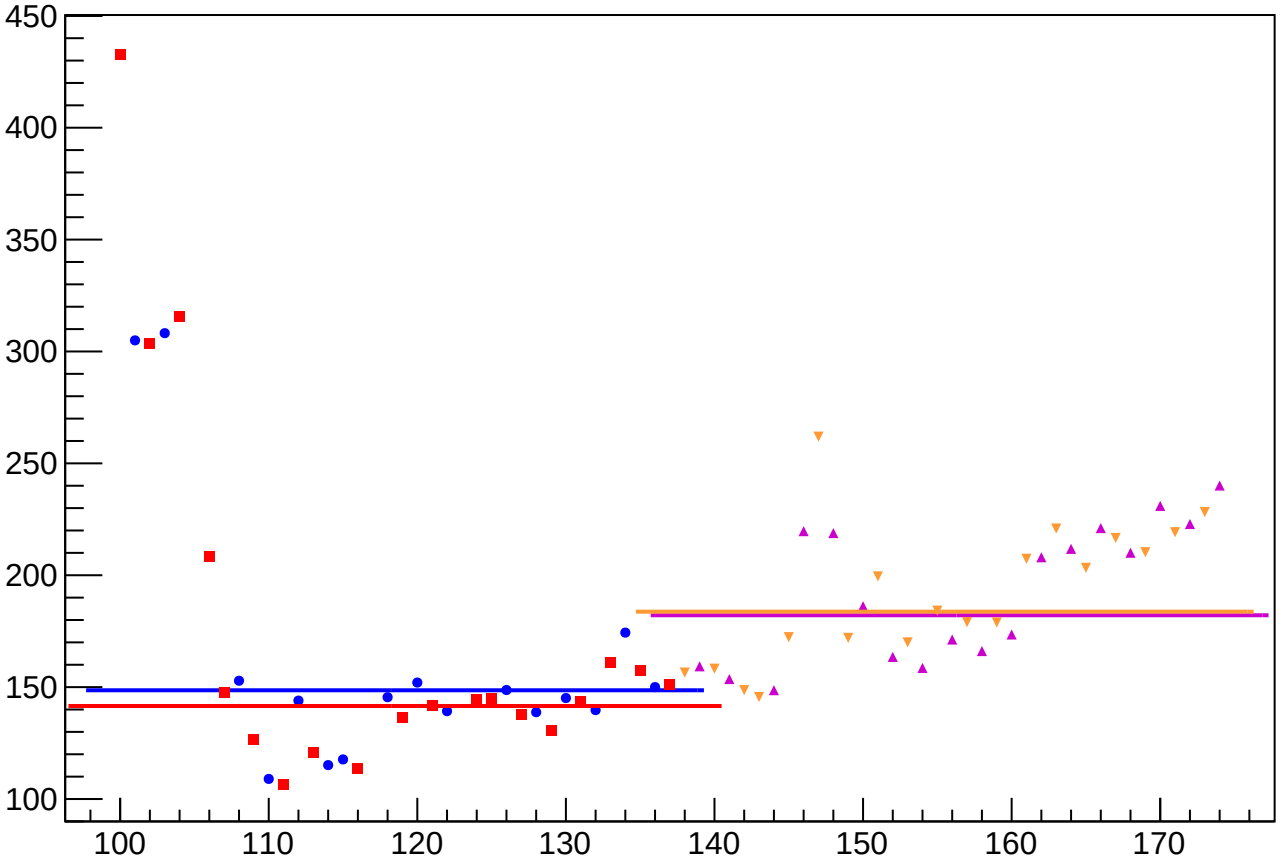
Left In: 119826.034+/-0.048 χ^2/NDF:1189374311.6/17

+ sign 123106.071+/-0.037 χ^2/NDF: 12414160862.

All: 123195.128+/-0.026 χ^2/NDF: 254090519

- 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: 183.723+/-0.034 χ^2/NDF:664765.3/18

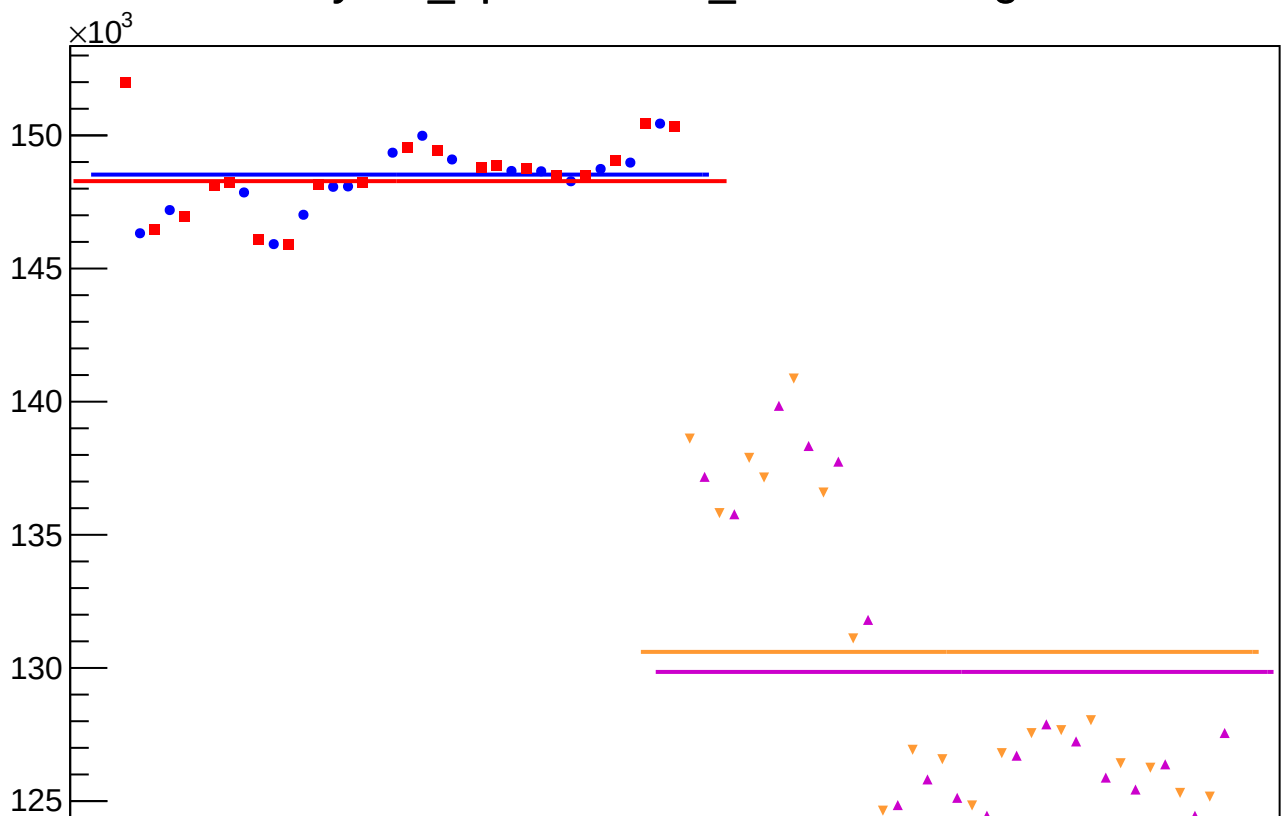
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 182.118+/-0.034 χ^2/NDF:703098.1/17

+ sign 169.353+/-0.026 χ^2/NDF: 1919903.2/34

All: 166.810+/-0.018 χ^2/NDF: 4256785.0/71

- 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: 130603.687+/-0.070 χ^2/NDF:5975001763.3/18

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

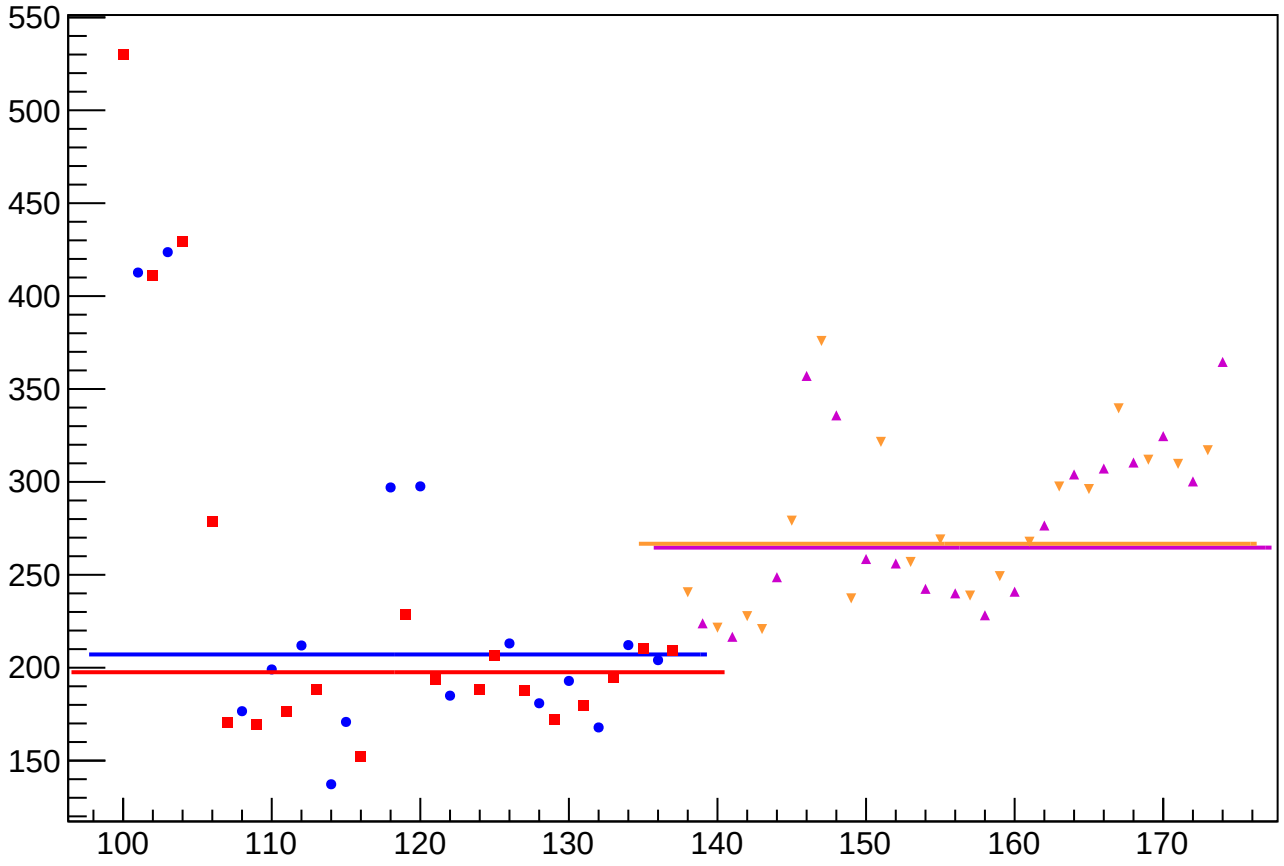
Left In: 129851.157+/-0.070 χ^2/NDF:6209582641.2/17

+ sign 138190.014+/-0.053 χ^2/NDF: 33781291346.

All: 138213.286+/-0.037 χ^2/NDF: 71840180

- sign 138235.148+/-0.052 χ^2/NDF: 38058519629.

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 266.718+/-0.050 χ^2/NDF:633513.2/18

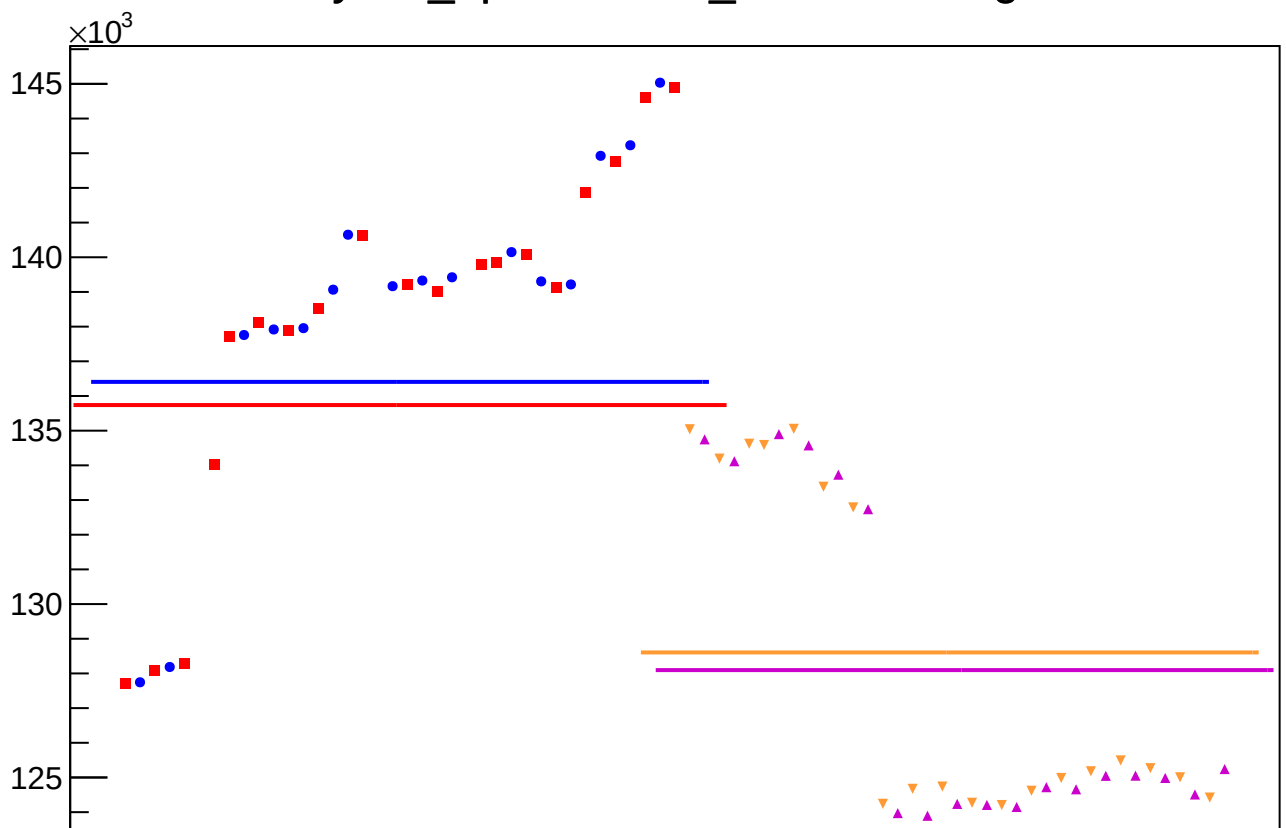
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 264.633+/-0.049 χ^2/NDF:719786.3/17

+ sign 241.500+/-0.038 χ^2/NDF: 2215647.5/34

All: 237.698+/-0.026 χ^2/NDF: 4694670.0/71

- 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: 128605.301+/-0.154 χ^2/NDF:949877380.8/18

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

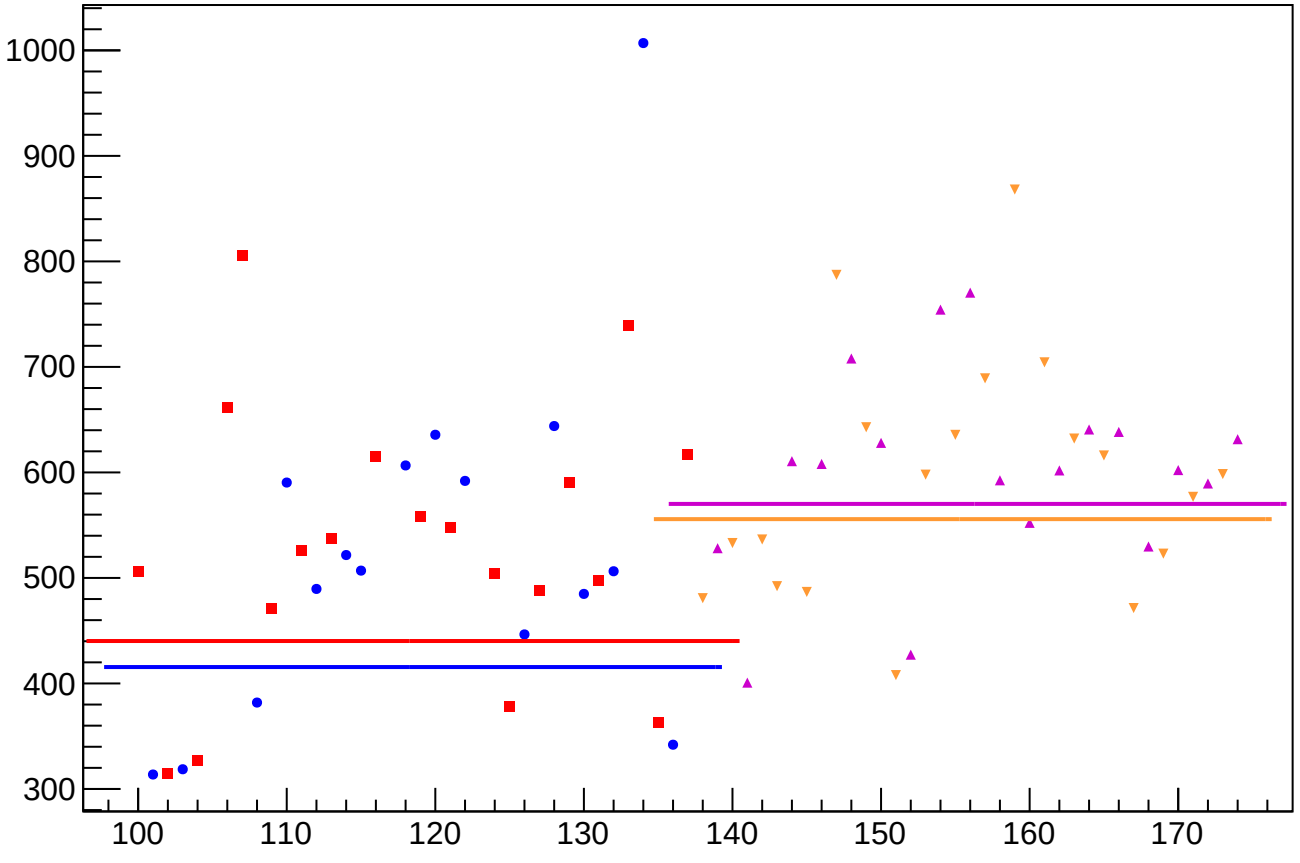
Left In: 128096.170+/-0.160 χ^2/NDF:860471879.8/17

+ sign 132151.842+/-0.114 χ^2/NDF: 3695106442.5

All: 131861.841+/-0.082 χ^2/NDF: 67698951

- 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: 555.730+/-0.109 χ^2/NDF:864055.3/18

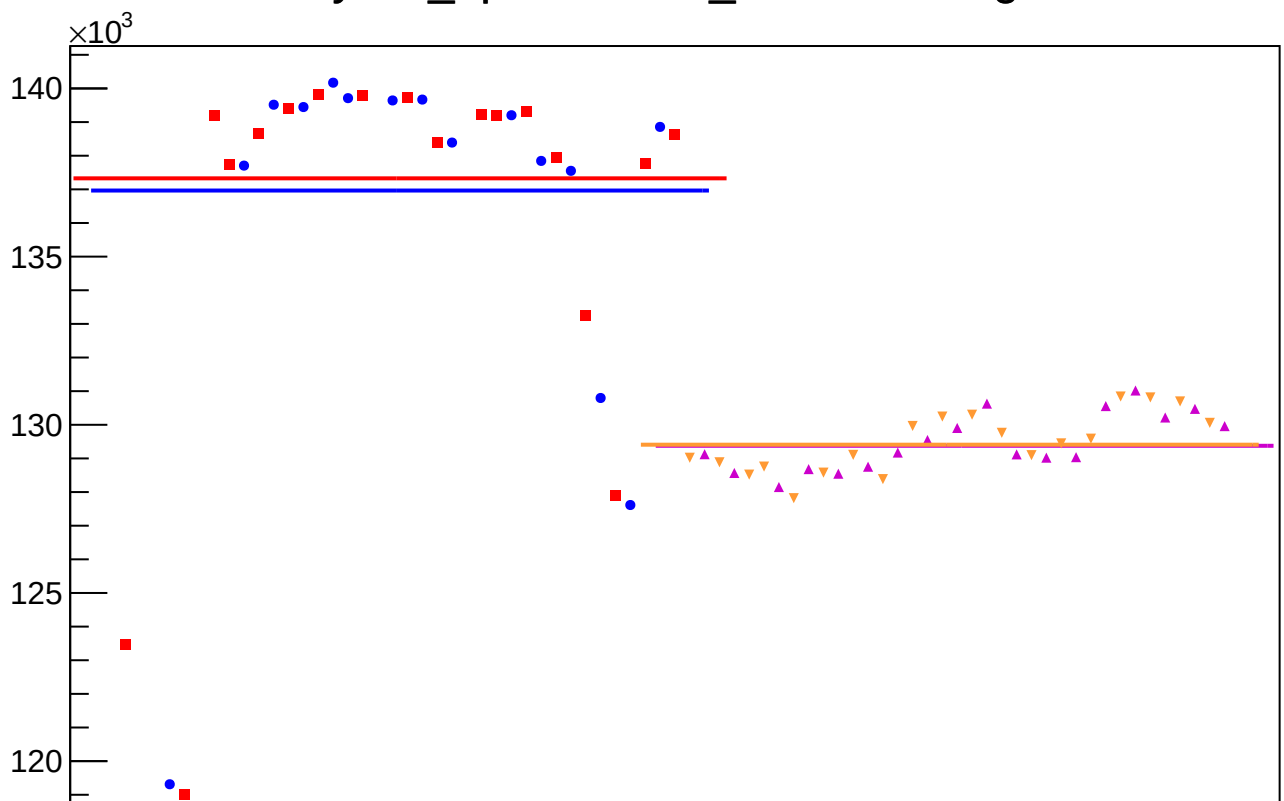
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 570.155+/-0.113 χ^2/NDF:744735.1/17

+ sign 492.004+/-0.080 χ^2/NDF: 2649966.1/34

All: 501.333+/-0.058 χ^2/NDF: 4927193.0/71

- 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: 129408.271+/-0.051 χ^2/NDF:272926447.3/18

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

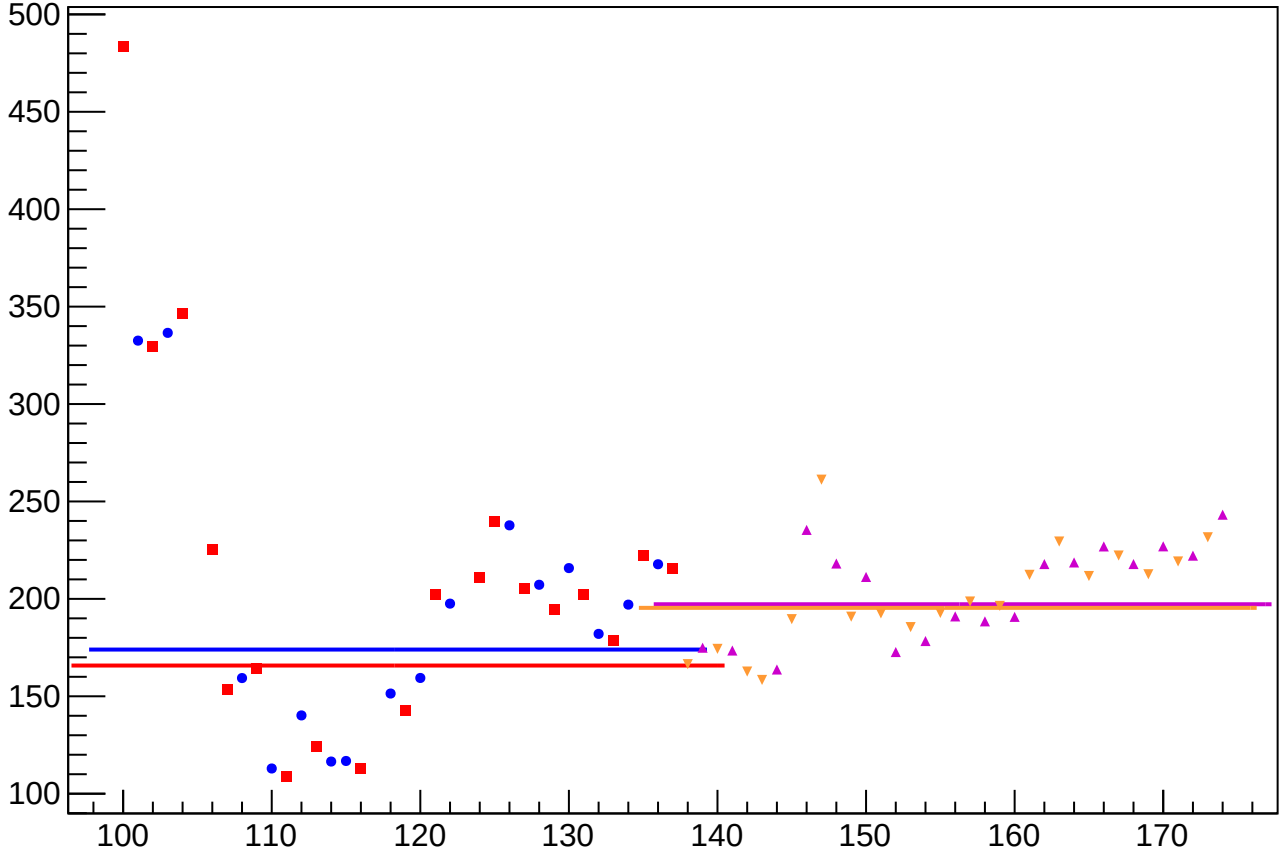
Left In: 129375.702+/-0.052 χ^2/NDF:248899558.9/17

+ sign 132062.941+/-0.041 χ^2/NDF: 13699735572.5

All: 132254.796+/-0.029 χ^2/NDF: 28749749

- 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: 195.388+/-0.036 χ^2/NDF:446709.6/18

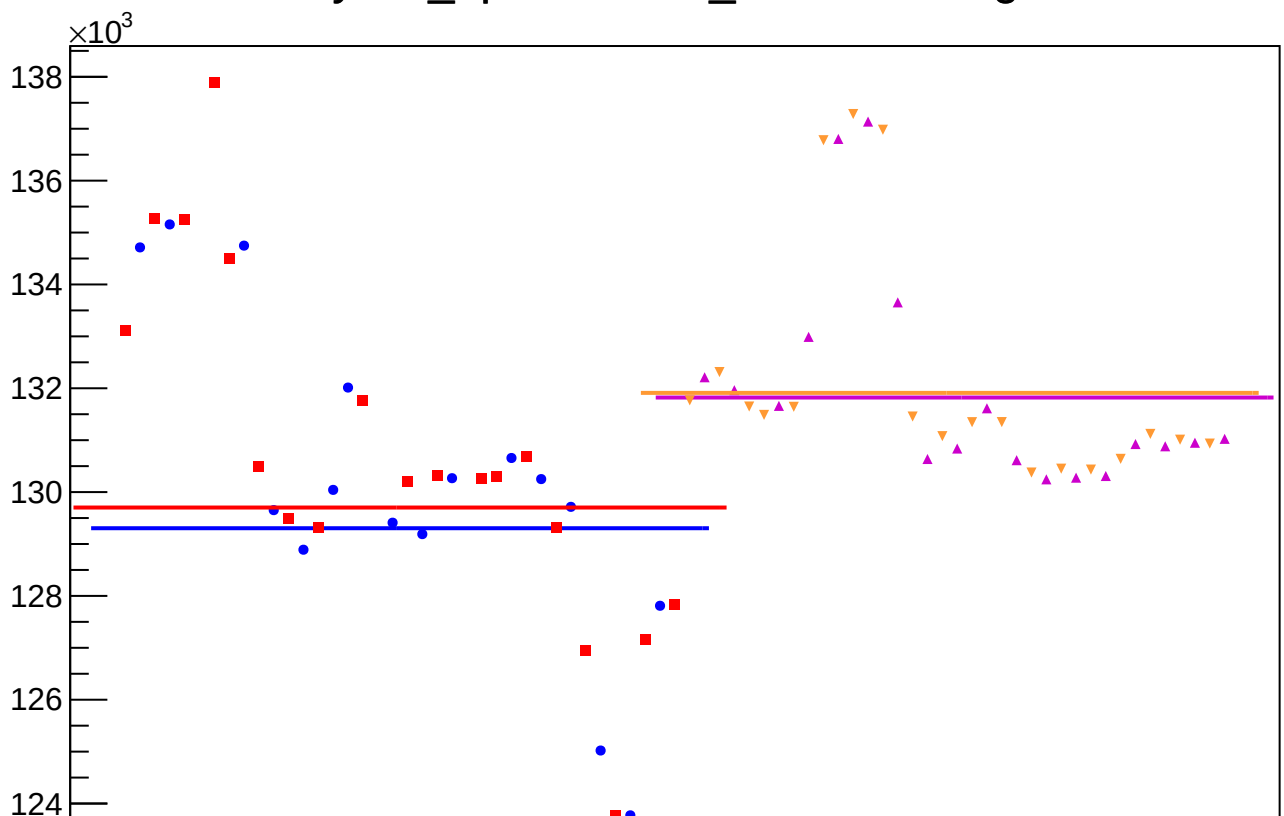
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 197.239+/-0.037 χ^2/NDF:431713.8/17

+ sign 187.868+/-0.029 χ^2/NDF: 1757481.6/34

All: 186.470+/-0.021 χ^2/NDF: 3909250.5/71

- 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: 131911.286+/-0.051 χ^2/NDF:1342812624.9/18

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

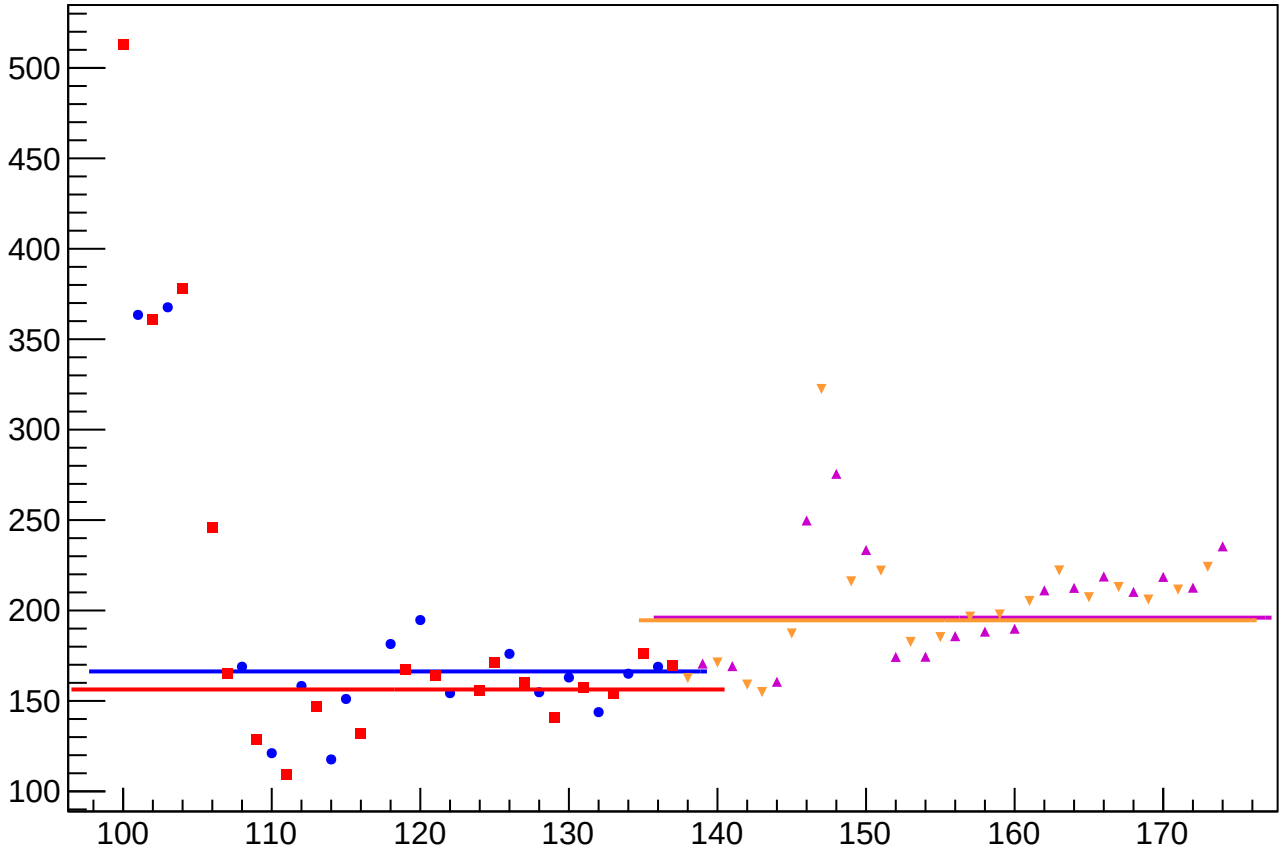
Left In: 131821.639+/-0.052 χ^2/NDF:1090587229.8/17

+ sign 130931.811+/-0.041 χ^2/NDF: 3961569566.9/

All: 130936.935+/-0.028 χ^2/NDF: 75232682

- 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: 194.583+/-0.036 χ^2/NDF:633546.9/18

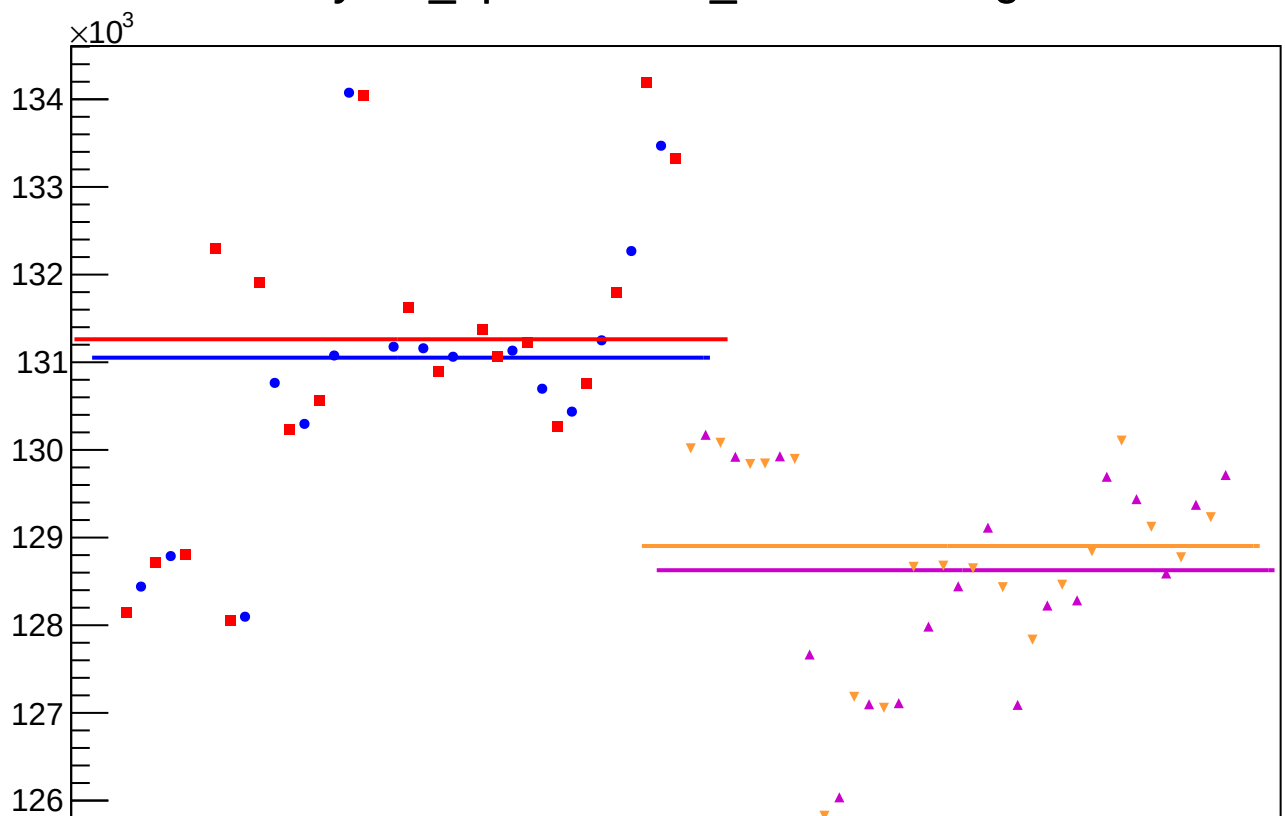
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 196.050+/-0.037 χ^2/NDF:598321.1/17

+ sign 183.959+/-0.029 χ^2/NDF: 1799377.0/34

All: 181.710+/-0.020 χ^2/NDF: 4069668.1/71

- 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: 128903.734+/-0.050 χ^2/NDF:465143727.9/18

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

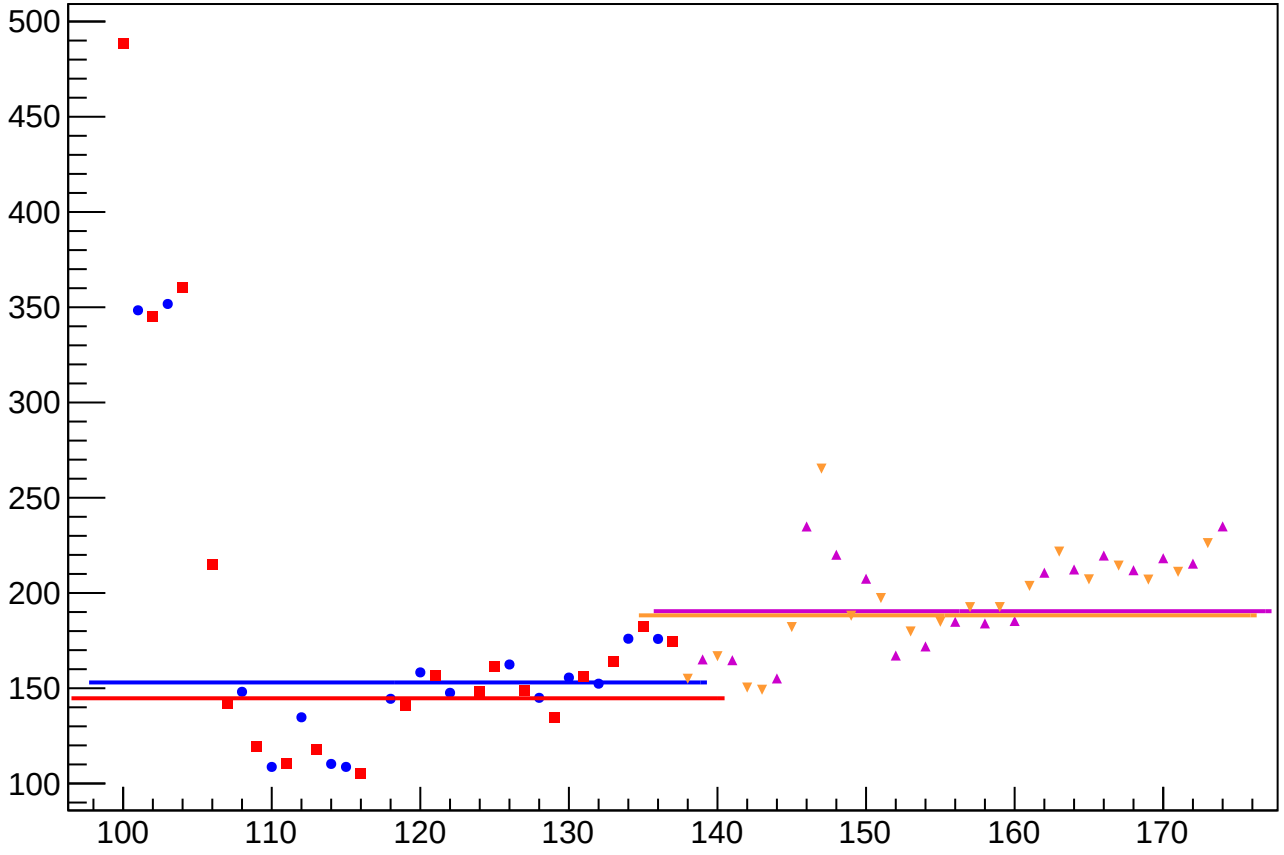
Left In: 128627.762+/-0.050 χ^2/NDF:566136918.3/17

+ sign 129763.719+/-0.038 χ^2/NDF: 1741869353.4

All: 129775.809+/-0.027 χ^2/NDF: 41225571

- 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: 188.265+/-0.035 χ^2/NDF:565137.8/18

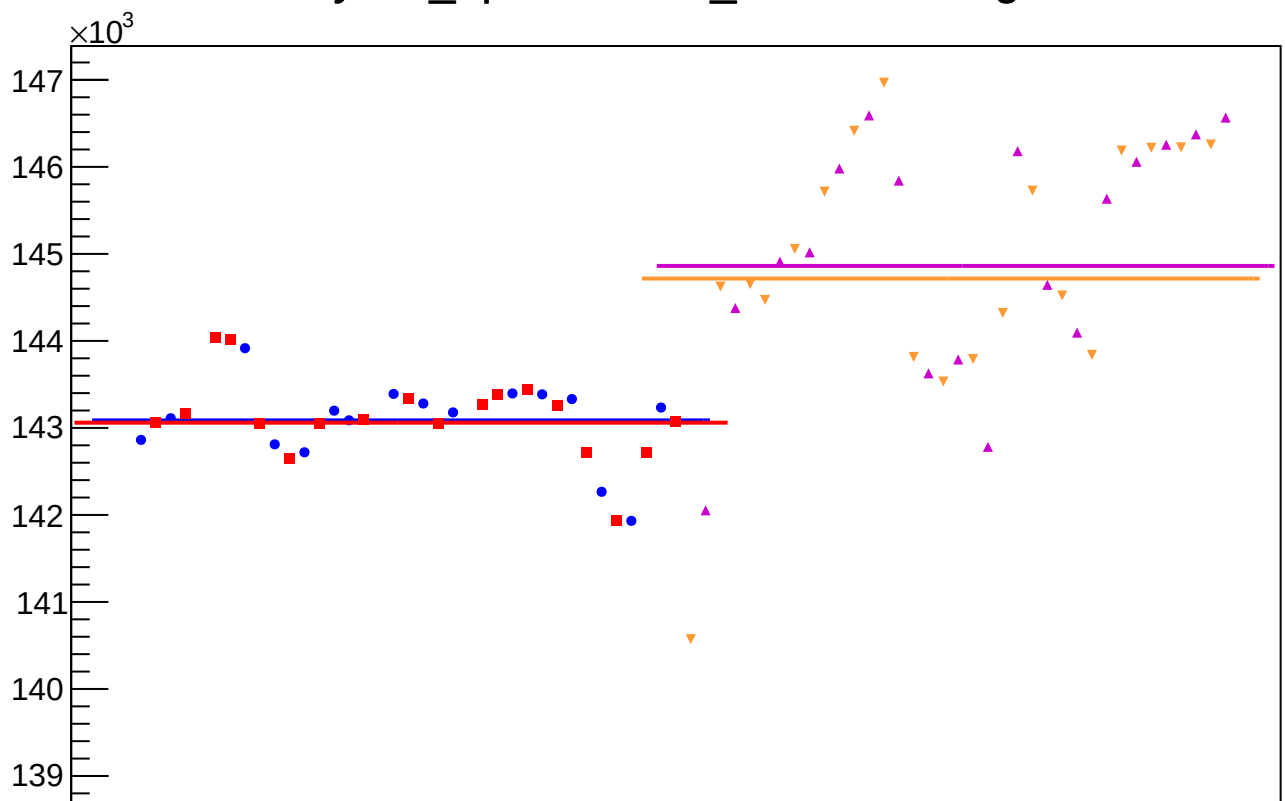
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 190.445+/-0.036 χ^2/NDF:508154.4/17

+ sign 174.168+/-0.027 χ^2/NDF: 2029293.4/34

All: 172.206+/-0.019 χ^2/NDF: 4539855.0/71

- 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: 144716.944+/-0.057 χ^2/NDF:750358353.1/18

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

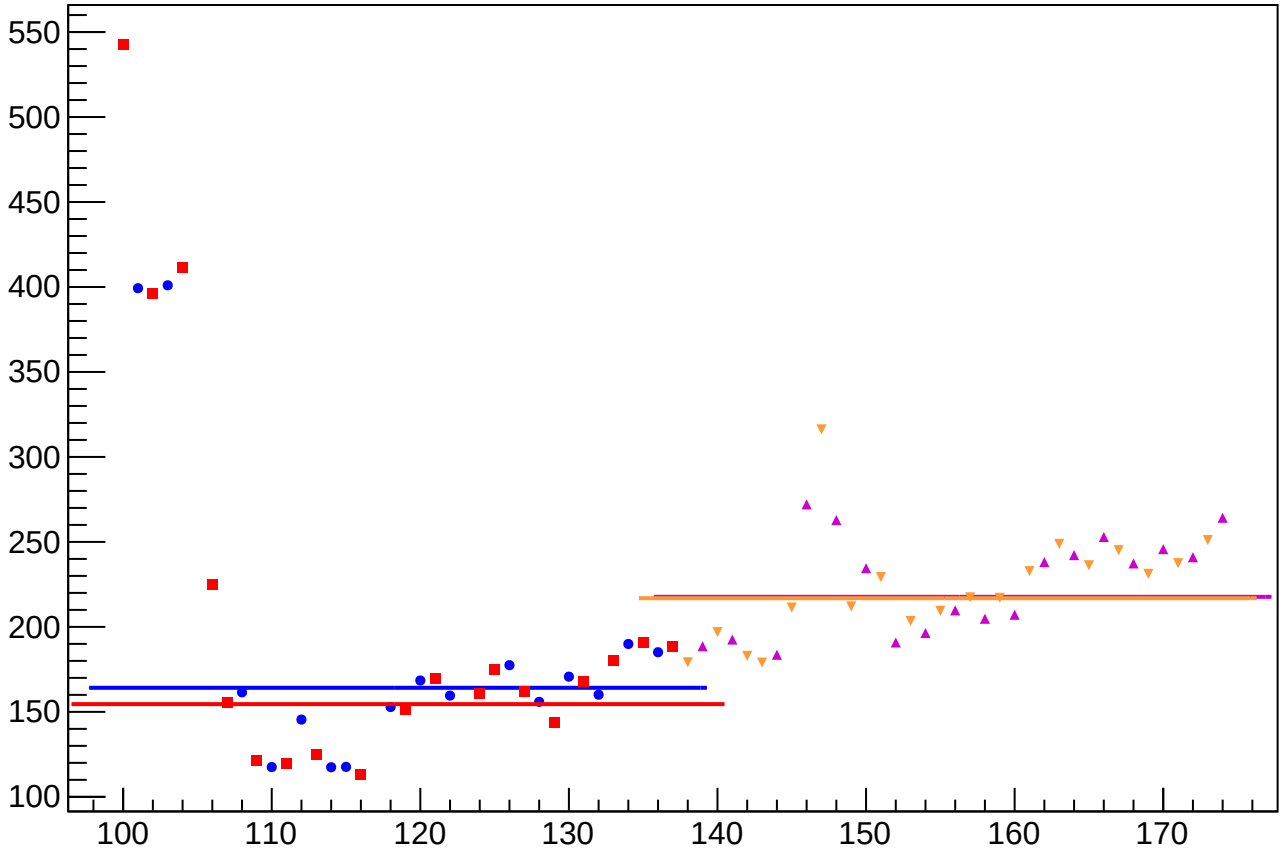
Left In: 144861.884+/-0.057 χ^2/NDF:580108311.0/17

+ sign 144008.459+/-0.043 χ^2/NDF: 1151975863.7

All: 144009.338+/-0.030 χ^2/NDF: 22489595

- 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: 216.882+/-0.040 χ^2/NDF:470567.8/18

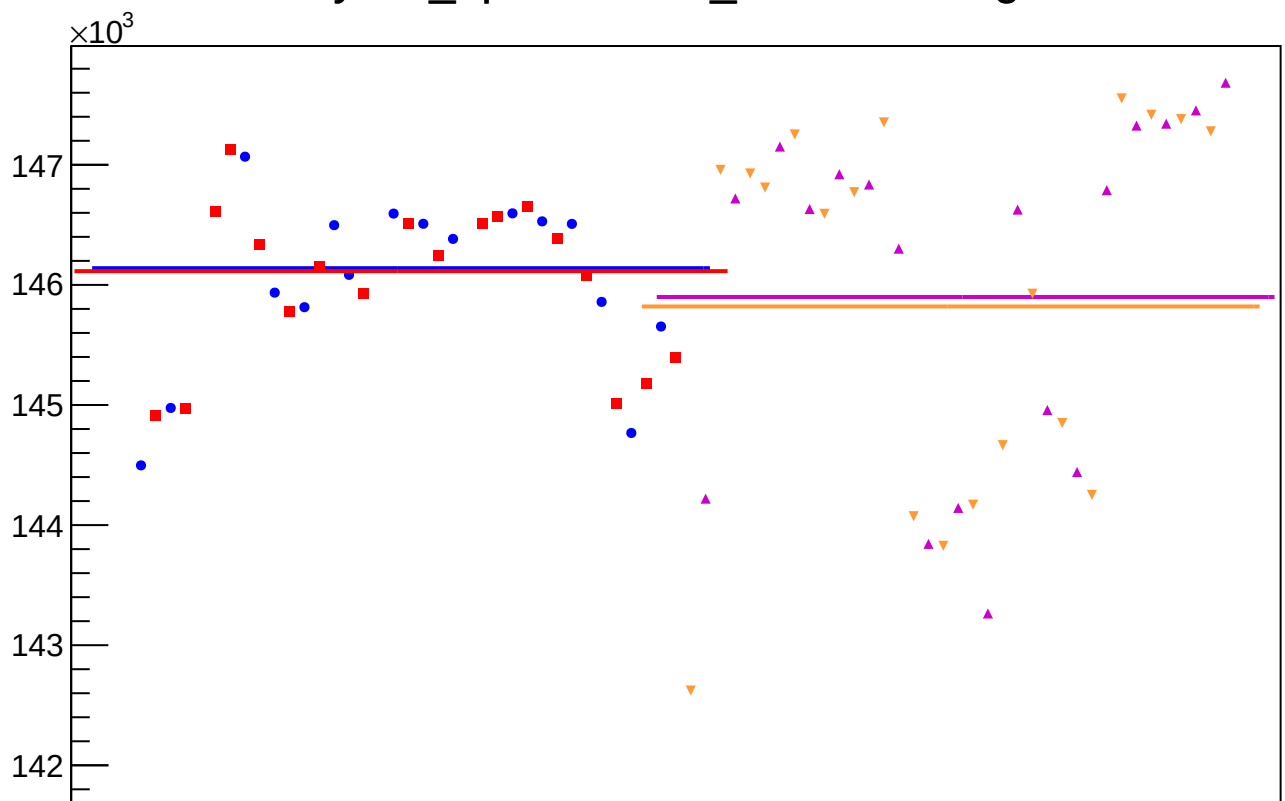
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 217.686+/-0.041 χ^2/NDF:469118.7/17

+ sign 193.975+/-0.030 χ^2/NDF: 2342274.0/34

All: 190.822+/-0.021 χ^2/NDF: 5341457.2/71

- 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: 145820.288+/-0.057 χ^2/NDF:781778682.9/18

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

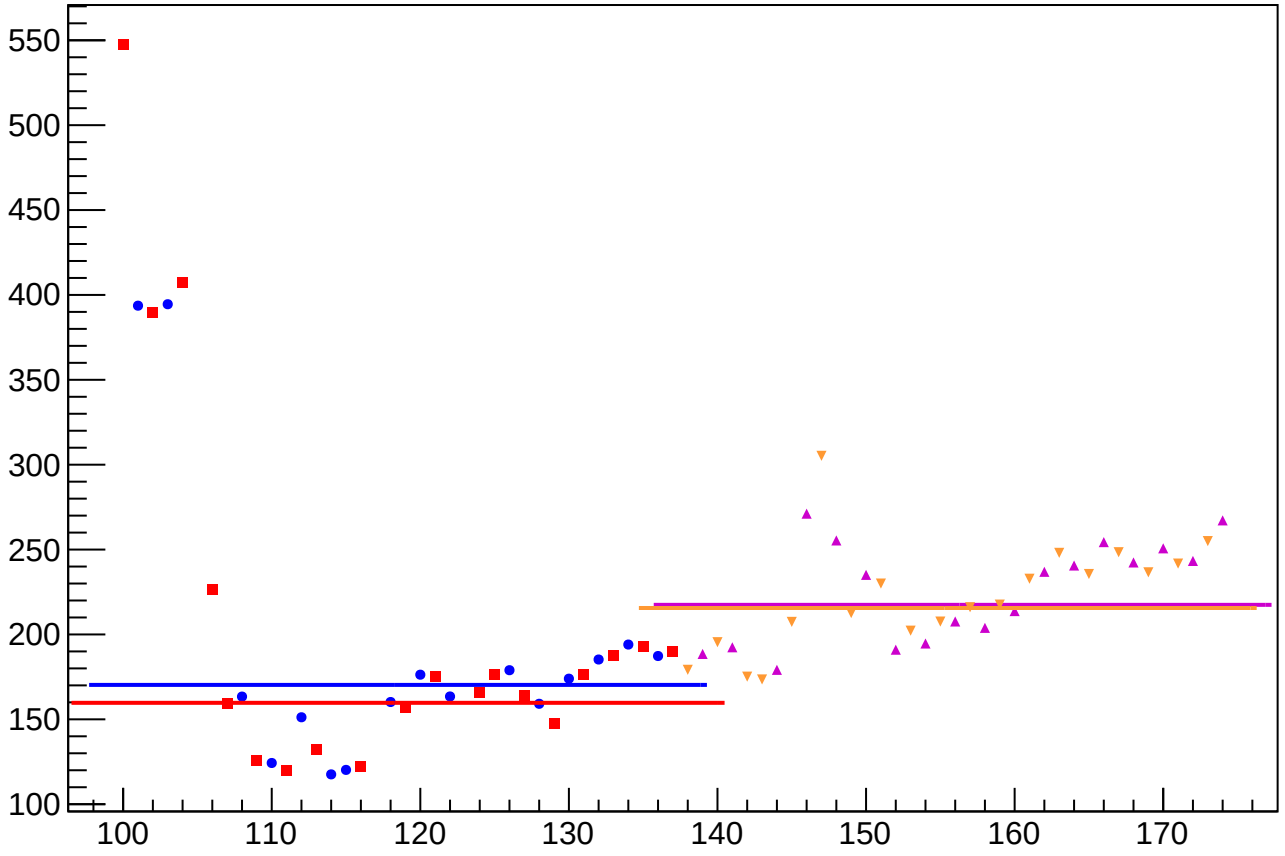
Left In: 145899.153+/-0.057 χ^2/NDF:637544481.4/17

+ sign 145952.550+/-0.043 χ^2/NDF: 866611160.1/3

All: 145975.730+/-0.030 χ^2/NDF: 15842519

- 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: 215.583+/-0.040 χ^2/NDF:519442.9/18

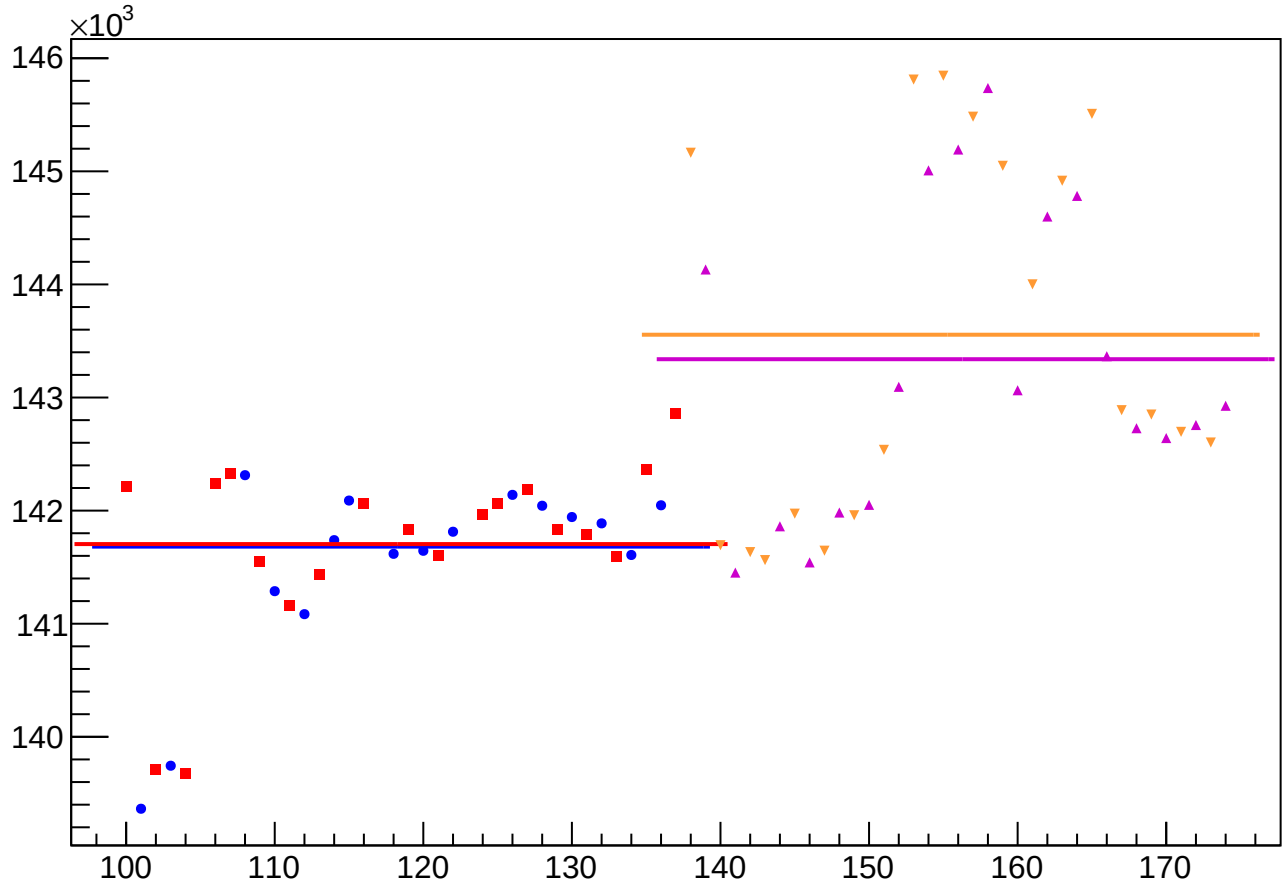
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 217.440+/-0.041 χ^2/NDF:498878.1/17

+ sign 196.796+/-0.031 χ^2/NDF: 2106105.0/34

All: 193.830+/-0.021 χ^2/NDF: 4839768.2/71

- 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: 143555.331+/-0.059 χ^2/NDF:735291458.5/18

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

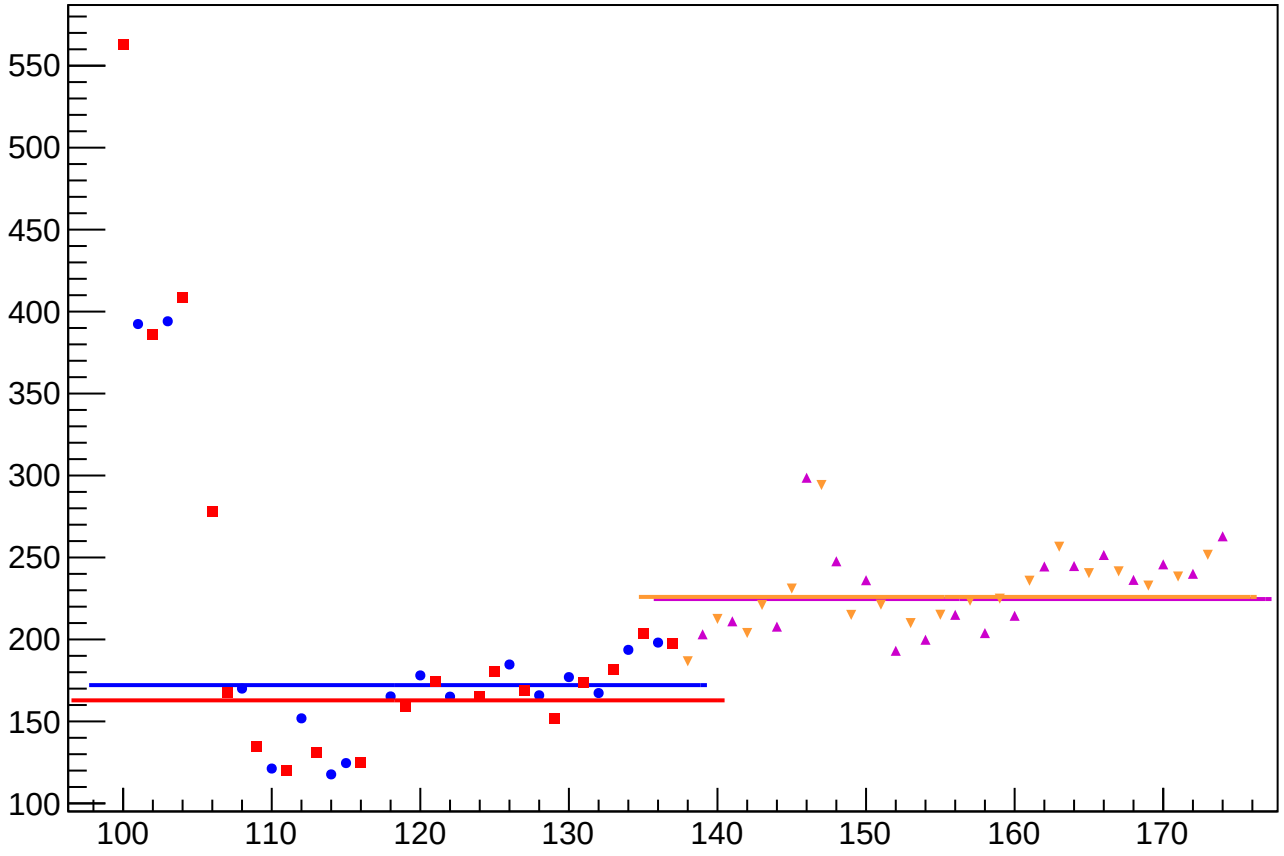
Left In: 143338.771+/-0.059 χ^2/NDF:509902067.1/17

+ sign 142752.231+/-0.045 χ^2/NDF: 1229846278.7

All: 142664.901+/-0.031 χ^2/NDF: 216551390

- 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: 225.949+/-0.042 χ^2/NDF:251922.0/18

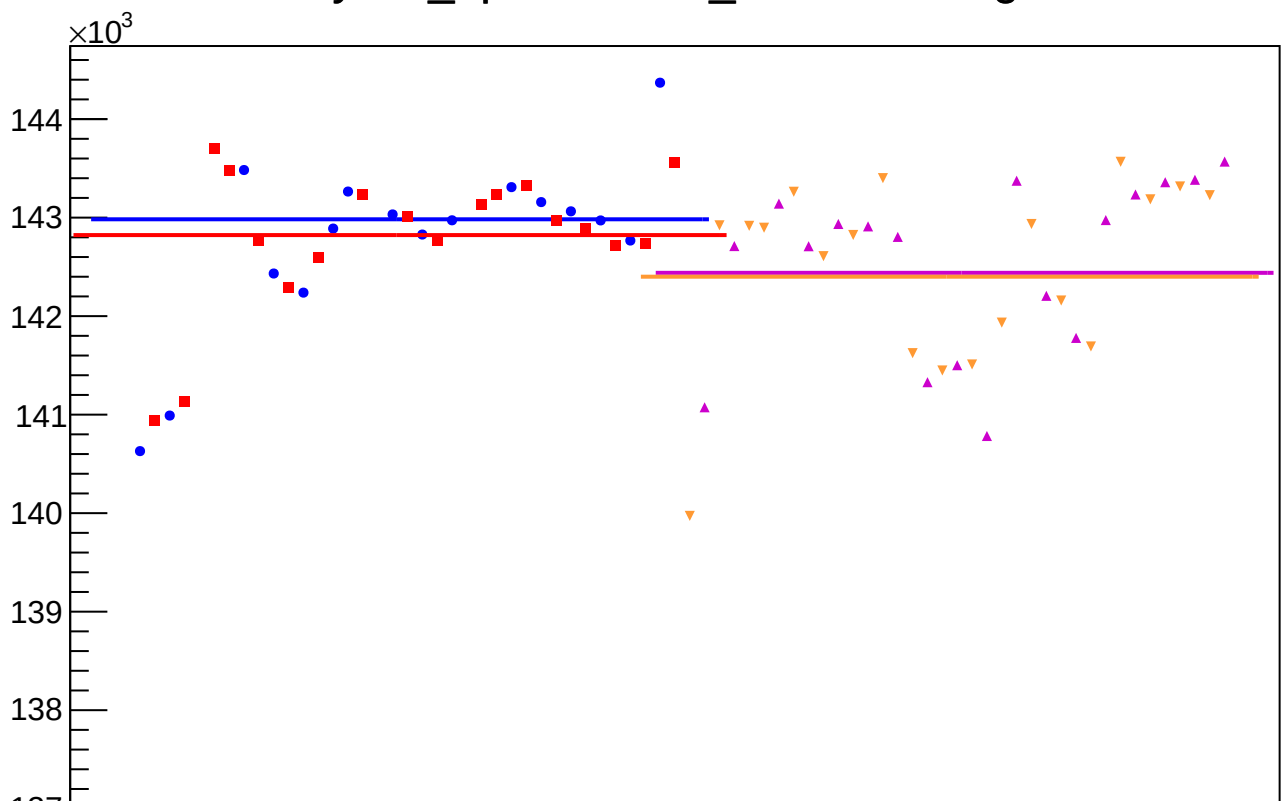
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 224.644+/-0.042 χ^2/NDF:348227.2/17

+ sign 202.882+/-0.032 χ^2/NDF: 2030390.0/34

All: 199.367+/-0.022 χ^2/NDF: 4717142.8/71

- 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: 142400.345+/-0.056 χ^2/NDF:308274204.3/18

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

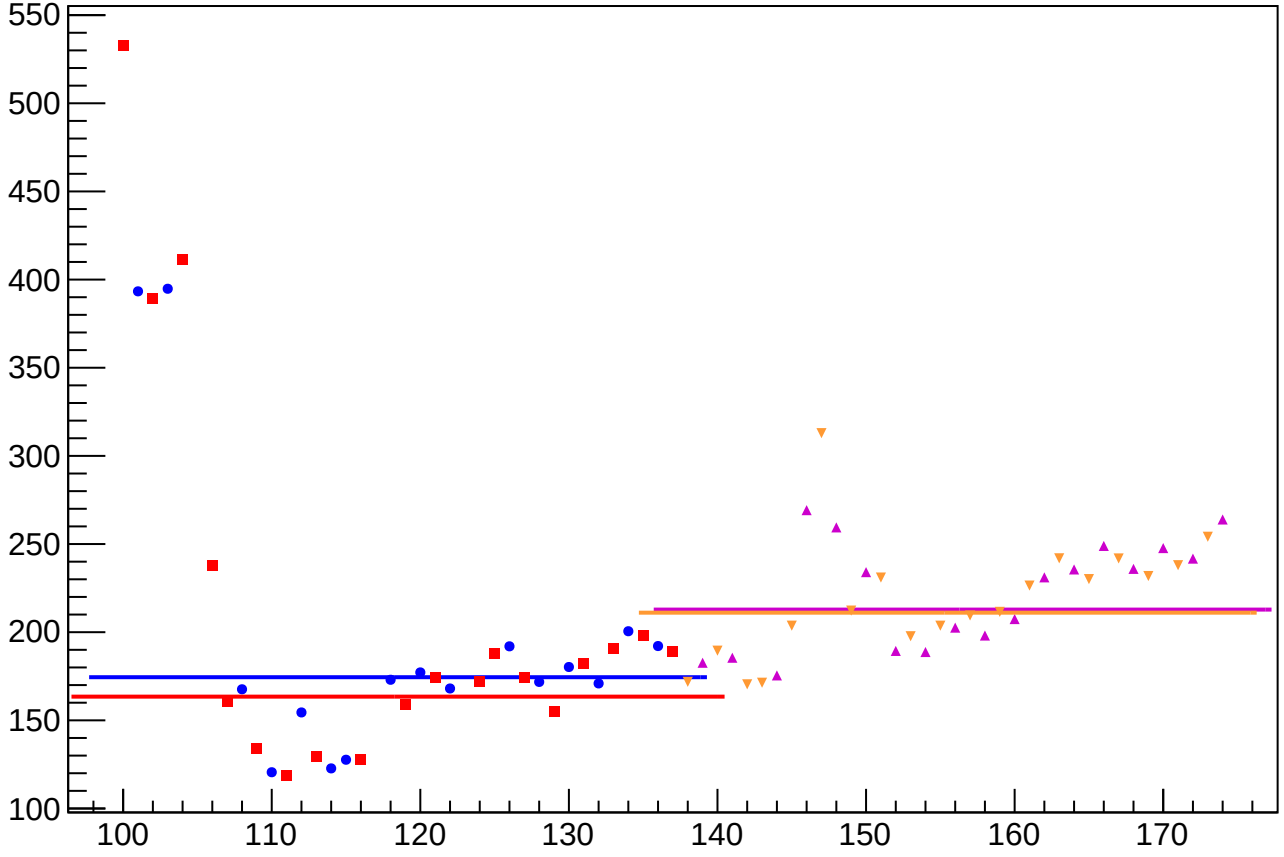
Left In: 142439.561+/-0.056 χ^2/NDF:254341171.2/17

+ sign 142629.001+/-0.043 χ^2/NDF: 459155863.2/3

All: 142617.365+/-0.030 χ^2/NDF: 79744589

- 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: 211.072+/-0.039 χ^2/NDF:576894.0/18

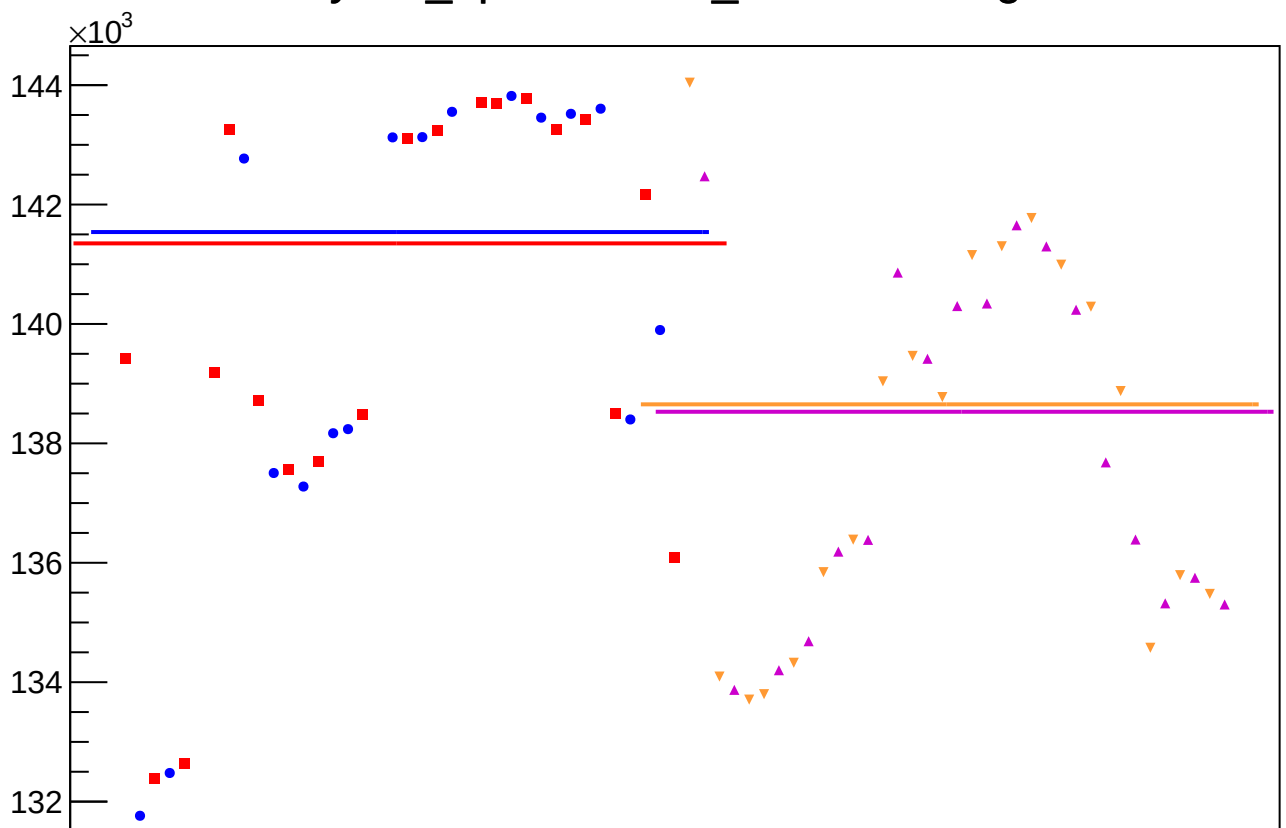
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 212.819+/-0.040 χ^2/NDF:554528.0/17

+ sign 196.707+/-0.031 χ^2/NDF: 1966908.7/34

All: 193.955+/-0.021 χ^2/NDF: 4491307.9/71

- 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: 138653.679+/-0.081 χ^2/NDF:1725803735.2/18

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

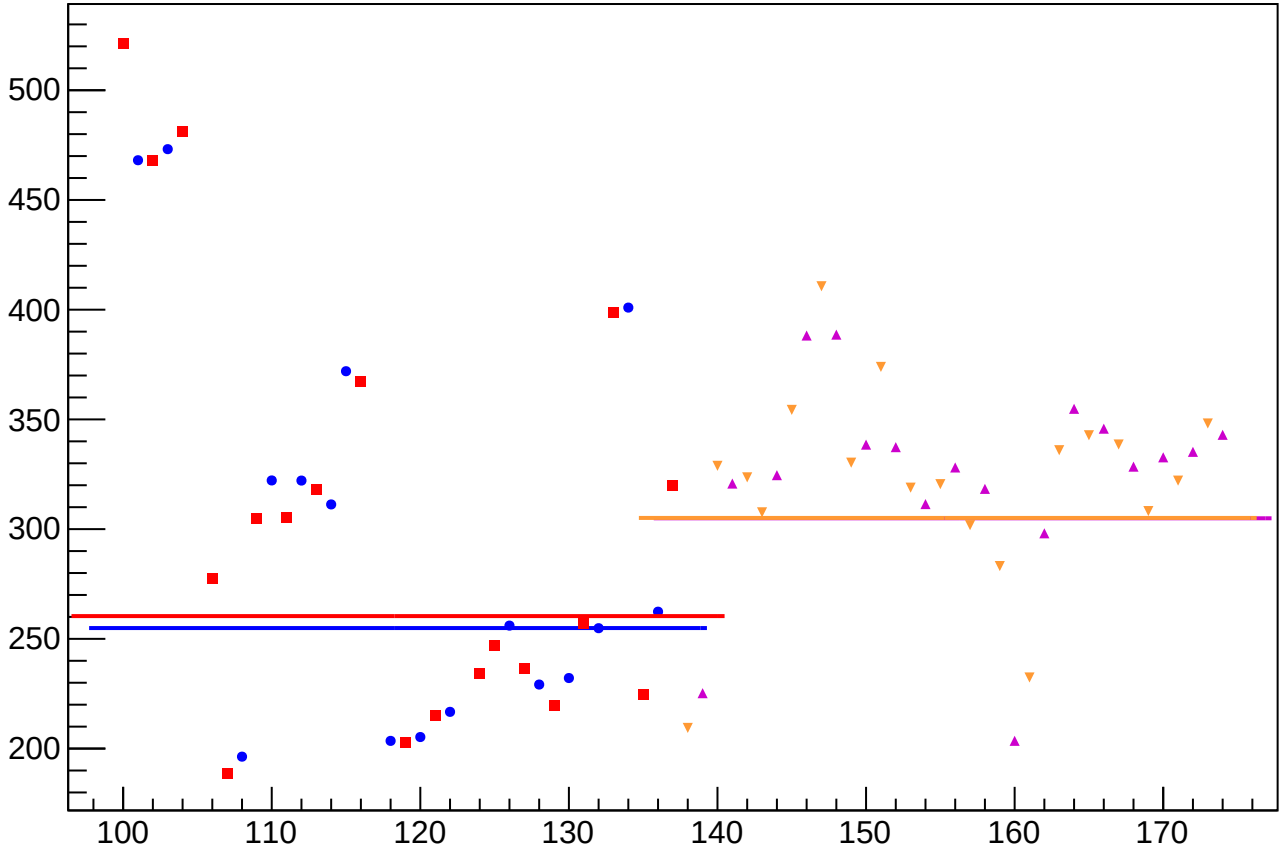
Left In: 138529.350+/-0.081 χ^2/NDF:1341805684.0/17

+ sign 139784.969+/-0.063 χ^2/NDF: 3171748860.2

All: 139713.101+/-0.045 χ^2/NDF: 59147712(

- 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: 305.101+/-0.057 χ^2/NDF:775745.1/18

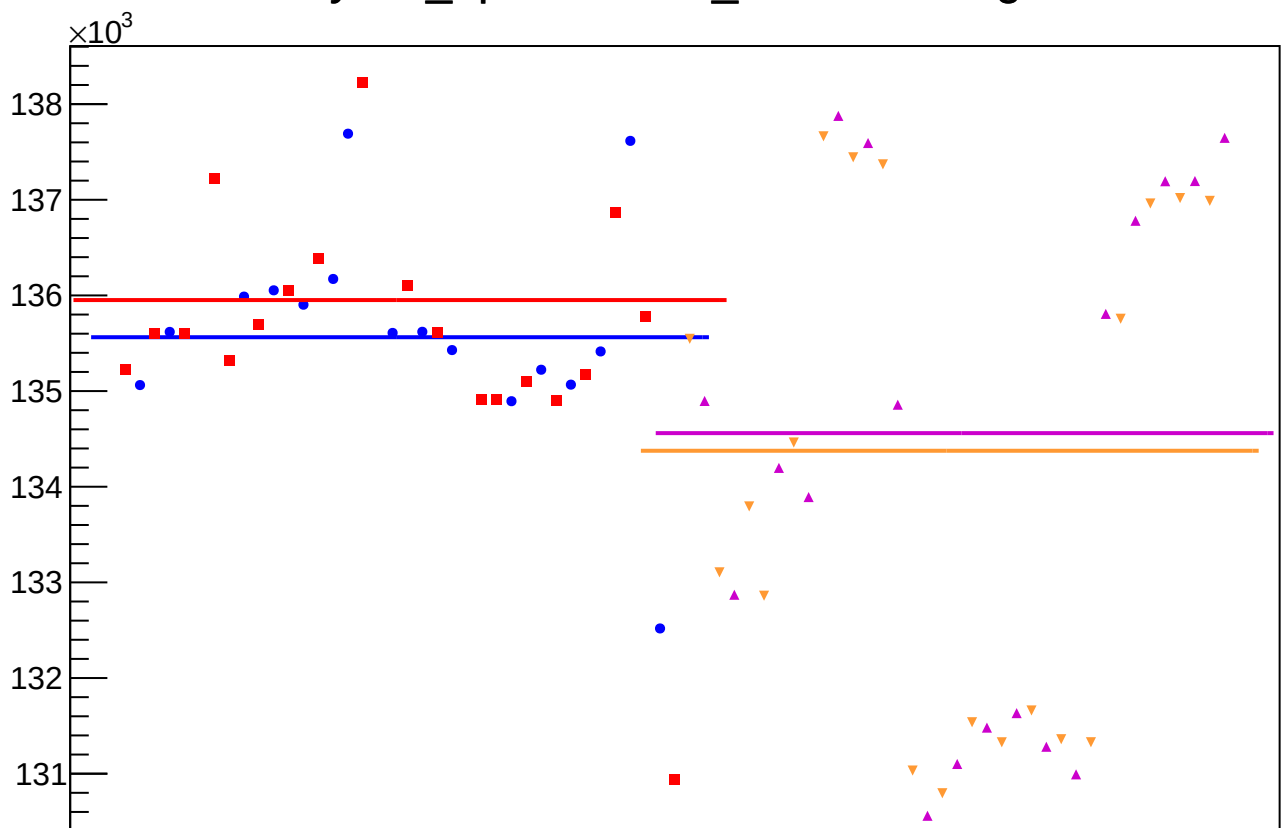
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 304.939+/-0.058 χ^2/NDF:909570.3/17

\+ sign 285.429+/-0.045 χ^2/NDF: 2027002.8/34

All: 286.398+/-0.032 χ^2/NDF: 4166582.5/71

\- 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: 134376.065+/-0.069 χ^2/NDF:1067991685.1/18

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

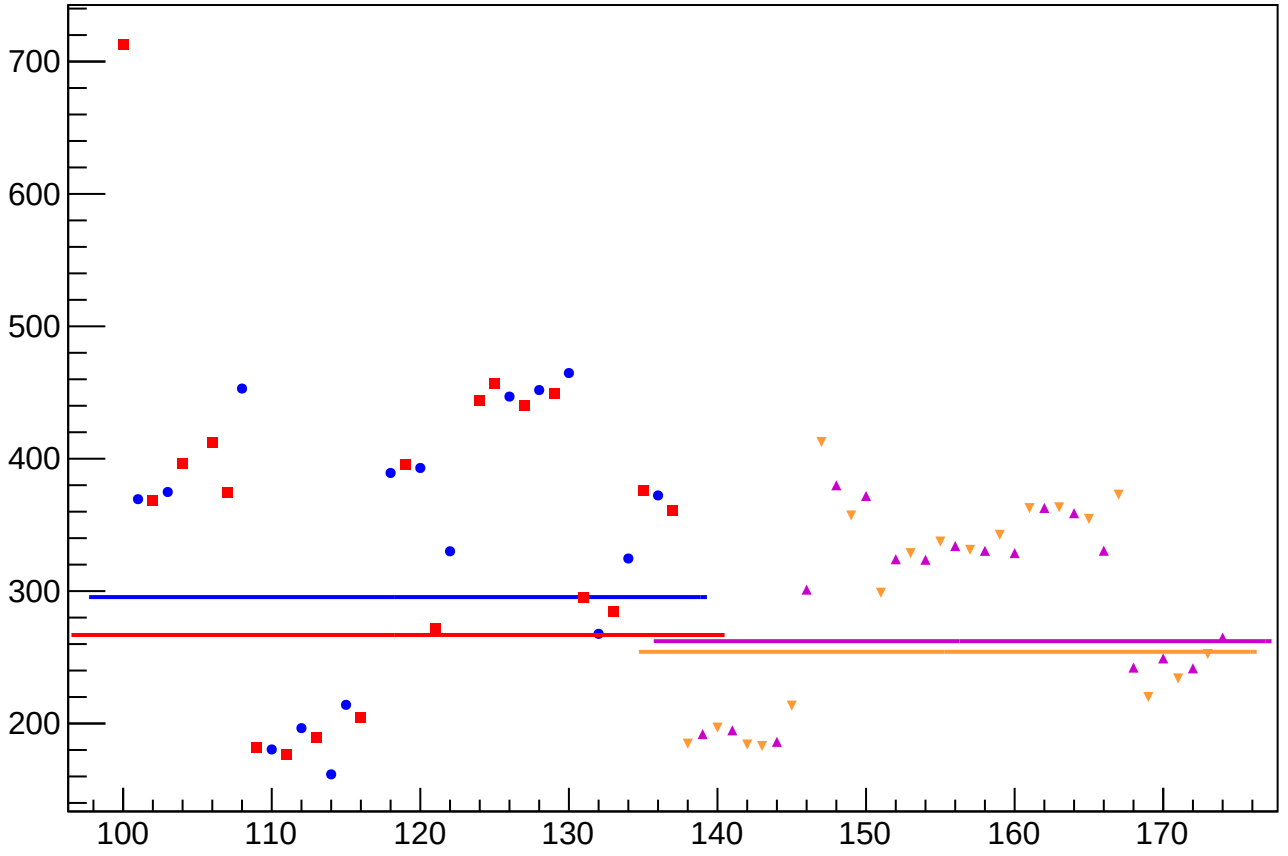
Left In: 134560.378+/-0.071 χ^2/NDF:1059083081.5/17

+ sign 134676.911+/-0.060 χ^2/NDF: 1237252751.2

All: 134834.025+/-0.042 χ^2/NDF: 25201875

- sign 134987.841+/-0.059 χ^2/NDF: 1269174756.3/

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 254.143+/-0.049 χ^2/NDF:2162832.2/18

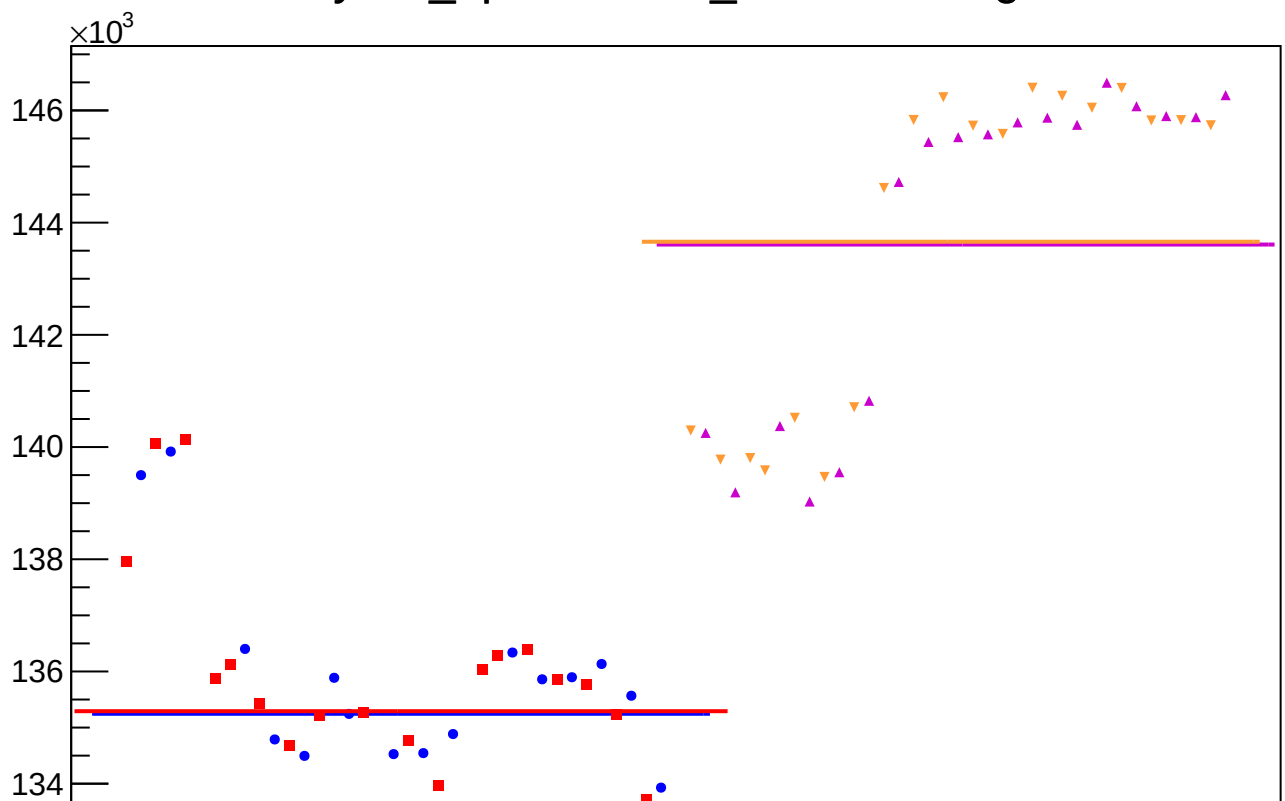
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 262.180+/-0.050 χ^2/NDF:1682935.9/17

+ sign 264.620+/-0.042 χ^2/NDF: 3787517.0/34

All: 264.114+/-0.030 χ^2/NDF: 7151498.8/71

- 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: 143659.549+/-0.052 χ^2/NDF:2991007388.5/18

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

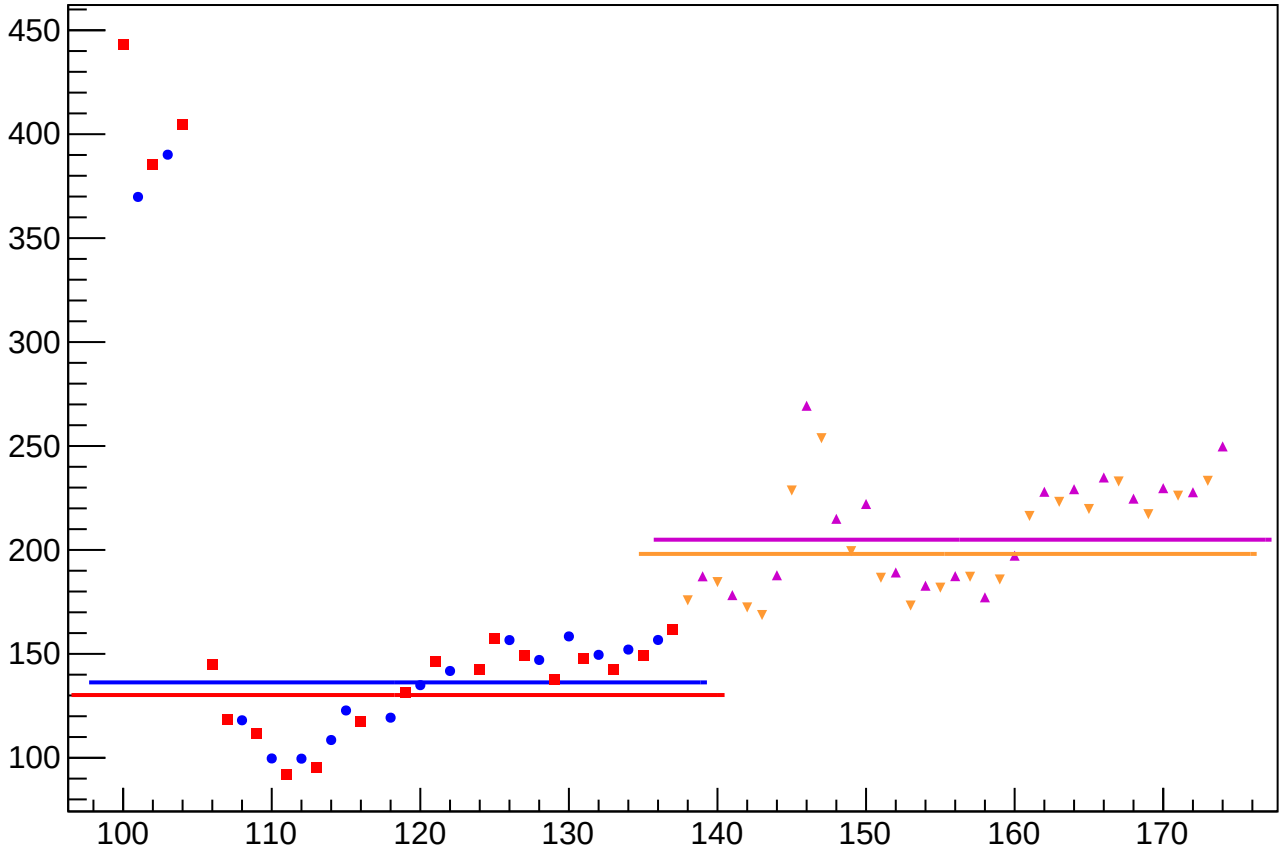
Left In: 143609.595+/-0.054 χ^2/NDF:2714909595.8/17

+ sign 139663.135+/-0.038 χ^2/NDF: 15789020718.

All: 139464.342+/-0.027 χ^2/NDF: 31293464

- 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: 198.090+/-0.037 χ^2/NDF:421915.0/18

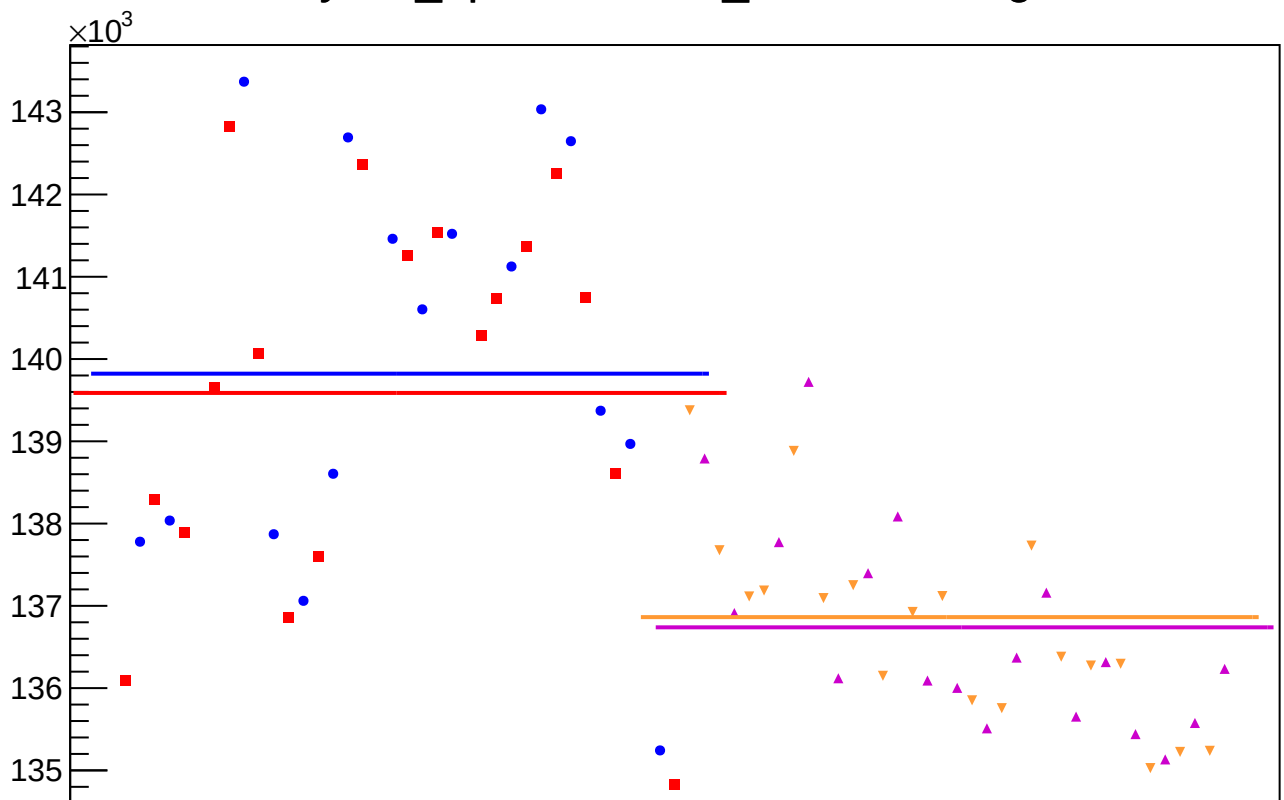
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 204.927+/-0.038 χ^2/NDF:425390.5/17

+ sign 168.732+/-0.027 χ^2/NDF: 3145350.6/34

All: 167.321+/-0.019 χ^2/NDF: 7090878.6/71

- 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: 136862.908+/-0.054 χ^2/NDF:474451084.9/18

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

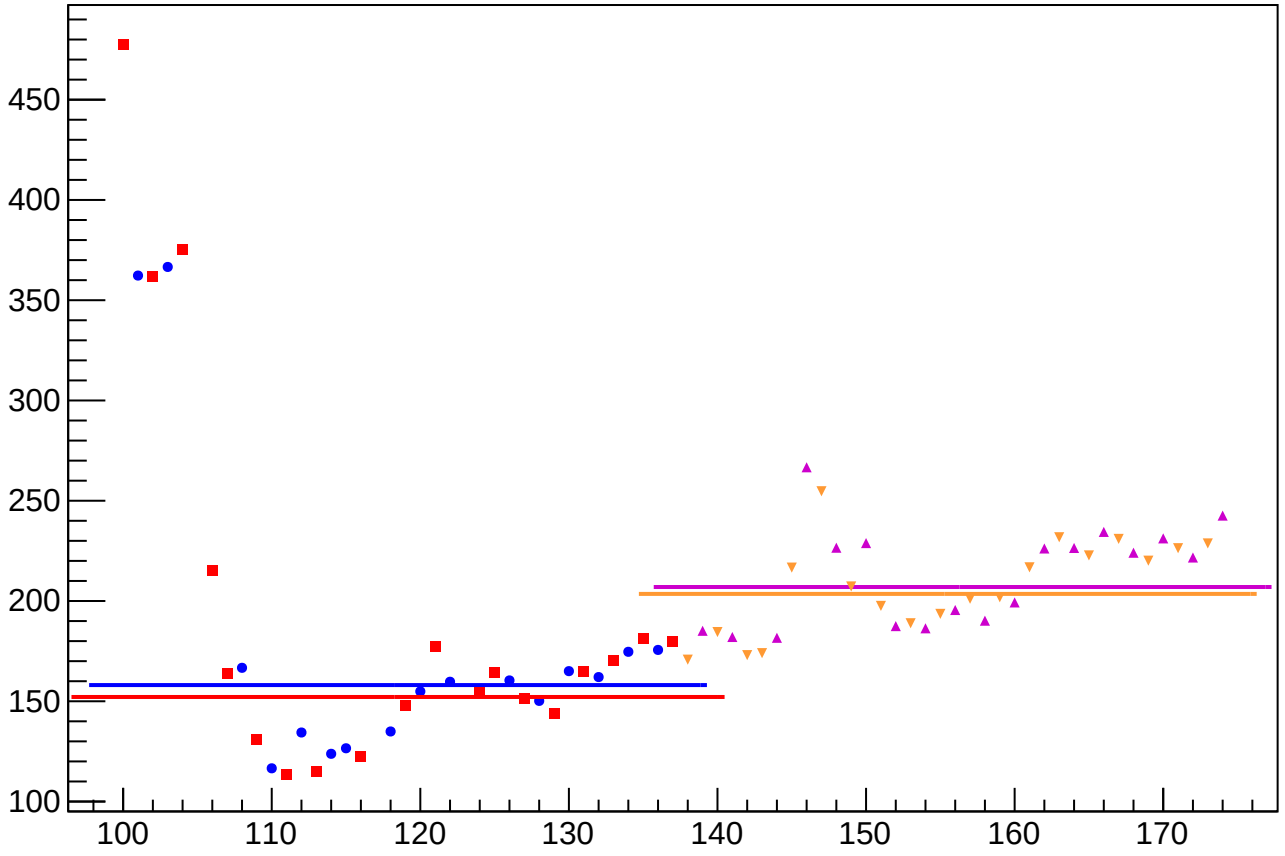
Left In: 136738.779+/-0.055 χ^2/NDF:468362321.3/17

+ sign 138112.533+/-0.041 χ^2/NDF: 3429153303.8/

All: 138074.311+/-0.029 χ^2/NDF: 66210486

- 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: 203.541+/-0.038 χ^2/NDF:337947.1/18

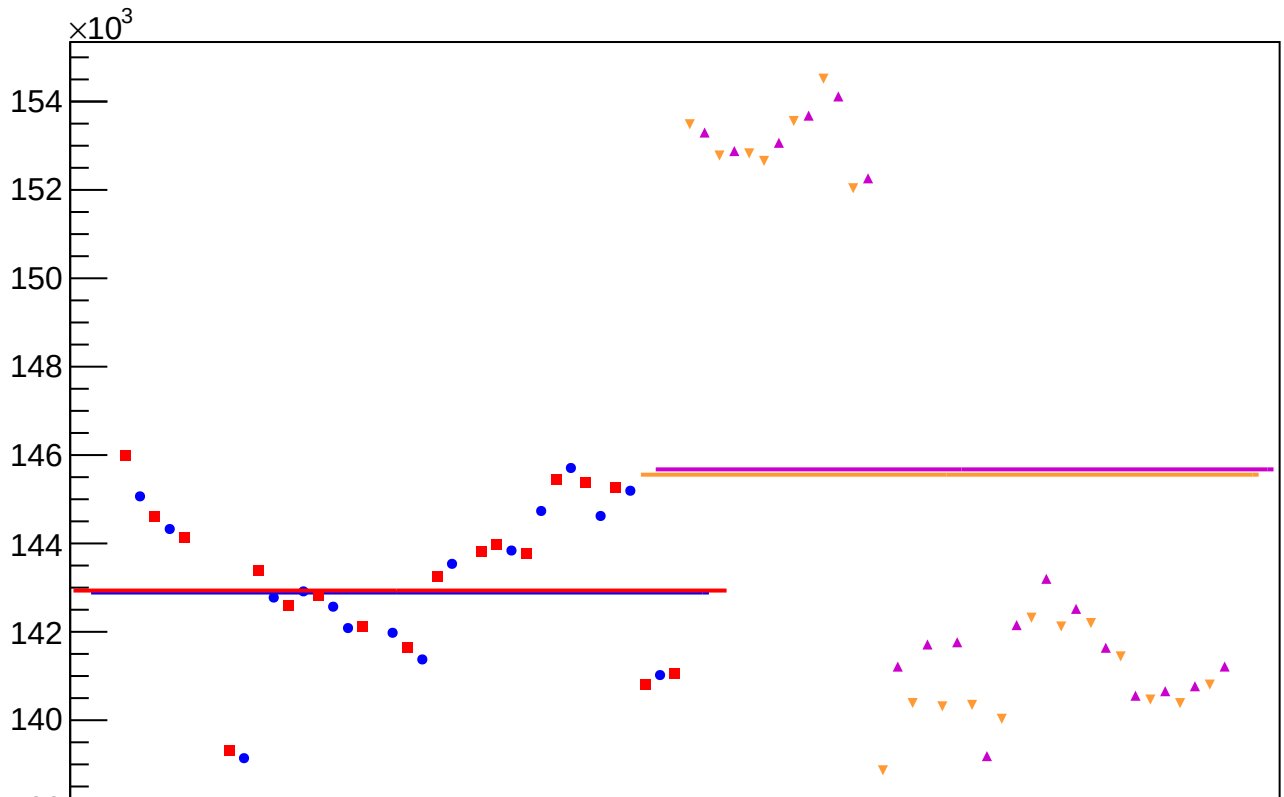
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 206.981+/-0.039 χ^2/NDF:371575.4/17

+ sign 184.343+/-0.029 χ^2/NDF: 1965424.5/34

All: 183.159+/-0.020 χ^2/NDF: 4487442.8/71

- 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: 145556.213+/-0.054 χ^2/NDF:12708098463.3/18

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

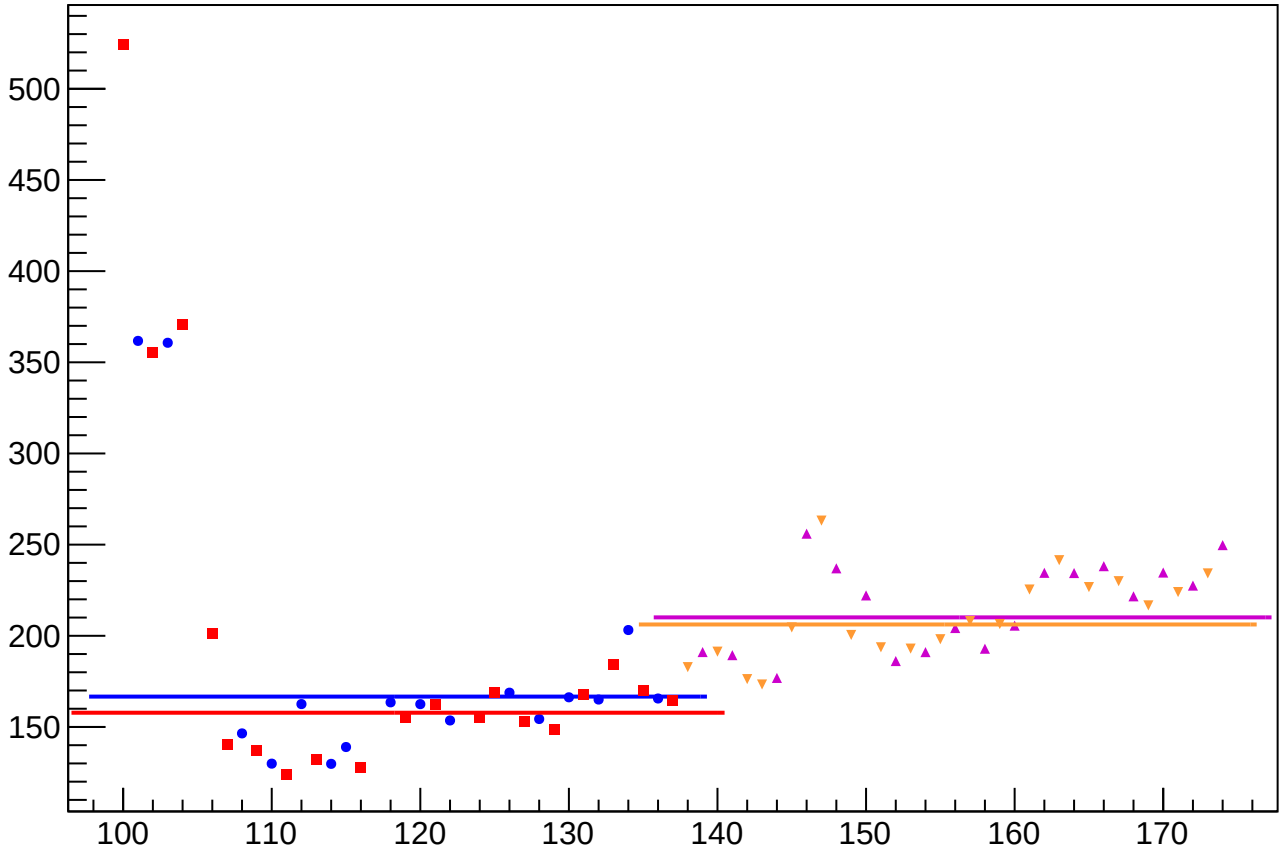
Left In: 145675.909+/-0.055 χ^2/NDF:10948718305.6/17

+ sign 144476.847+/-0.042 χ^2/NDF: 14452627283.

All: 144462.259+/-0.029 χ^2/NDF: 27285413

- 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: 206.212+/-0.038 χ^2/NDF:320154.6/18

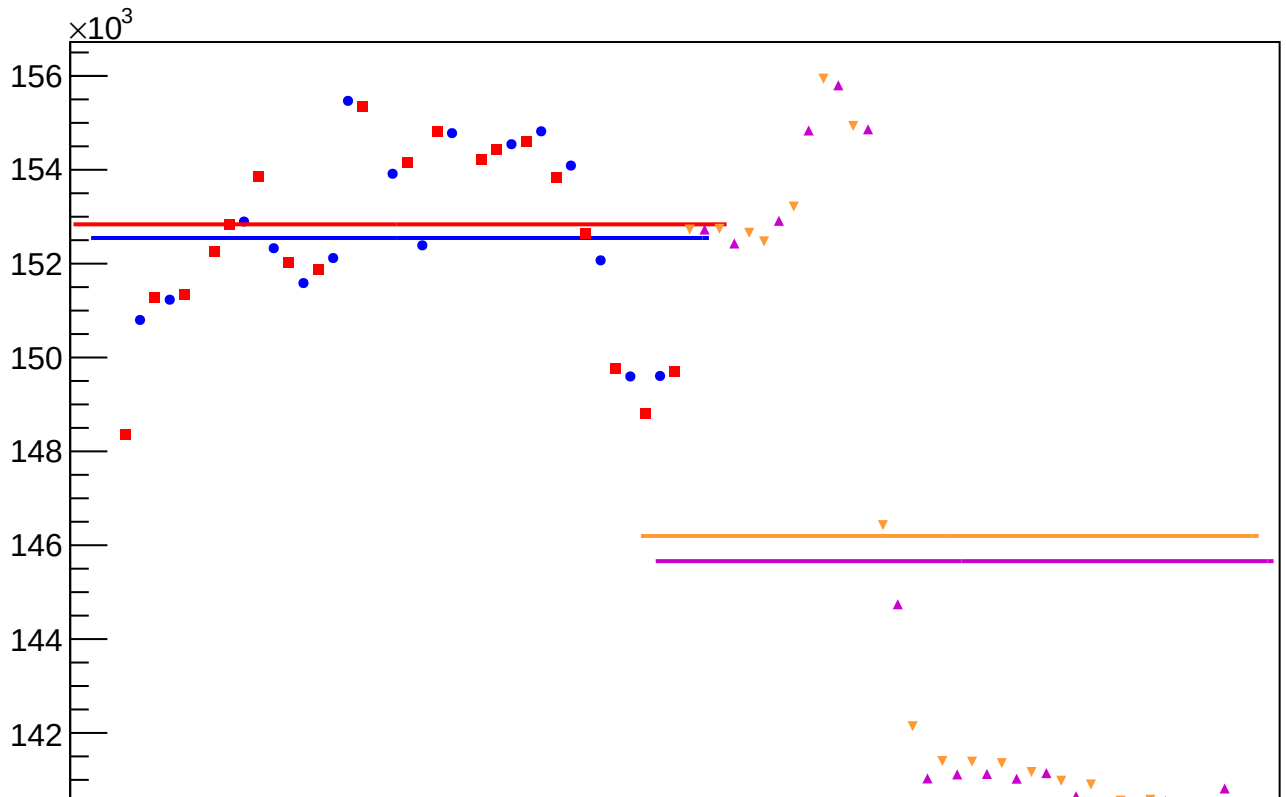
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 210.102+/-0.039 χ^2/NDF:361487.6/17

+ sign 190.203+/-0.030 χ^2/NDF: 1615478.5/34

All: 188.419+/-0.021 χ^2/NDF: 3804038.3/71

- 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: 146197.525+/-0.054 χ^2/NDF:11893744629.4/18

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

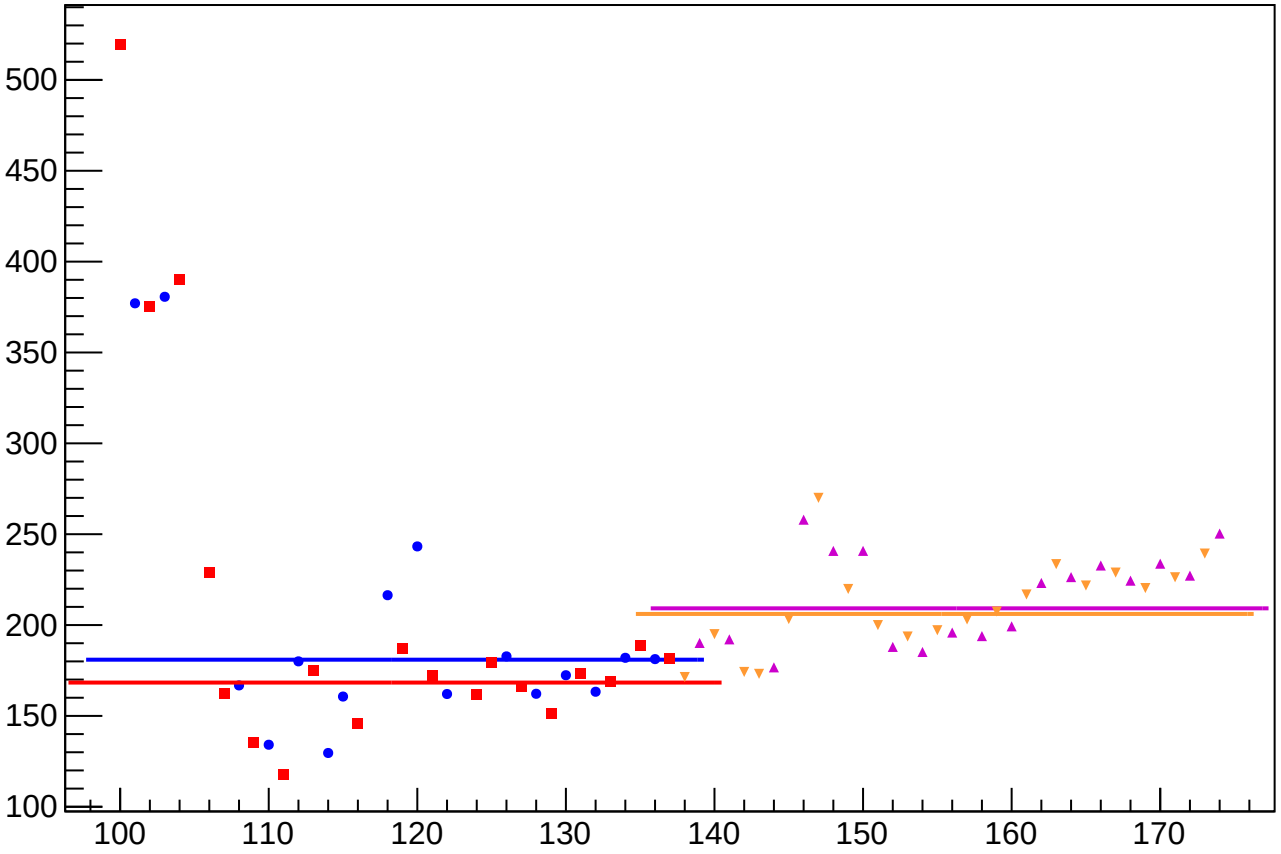
Left In: 145661.019+/-0.055 χ^2/NDF:11970445053.5/17

+ sign 148458.036+/-0.043 χ^2/NDF: 17471825063.

All: 148515.761+/-0.030 χ^2/NDF: 3707391

- 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: 206.113+/-0.038 χ^2/NDF:361775.7/18

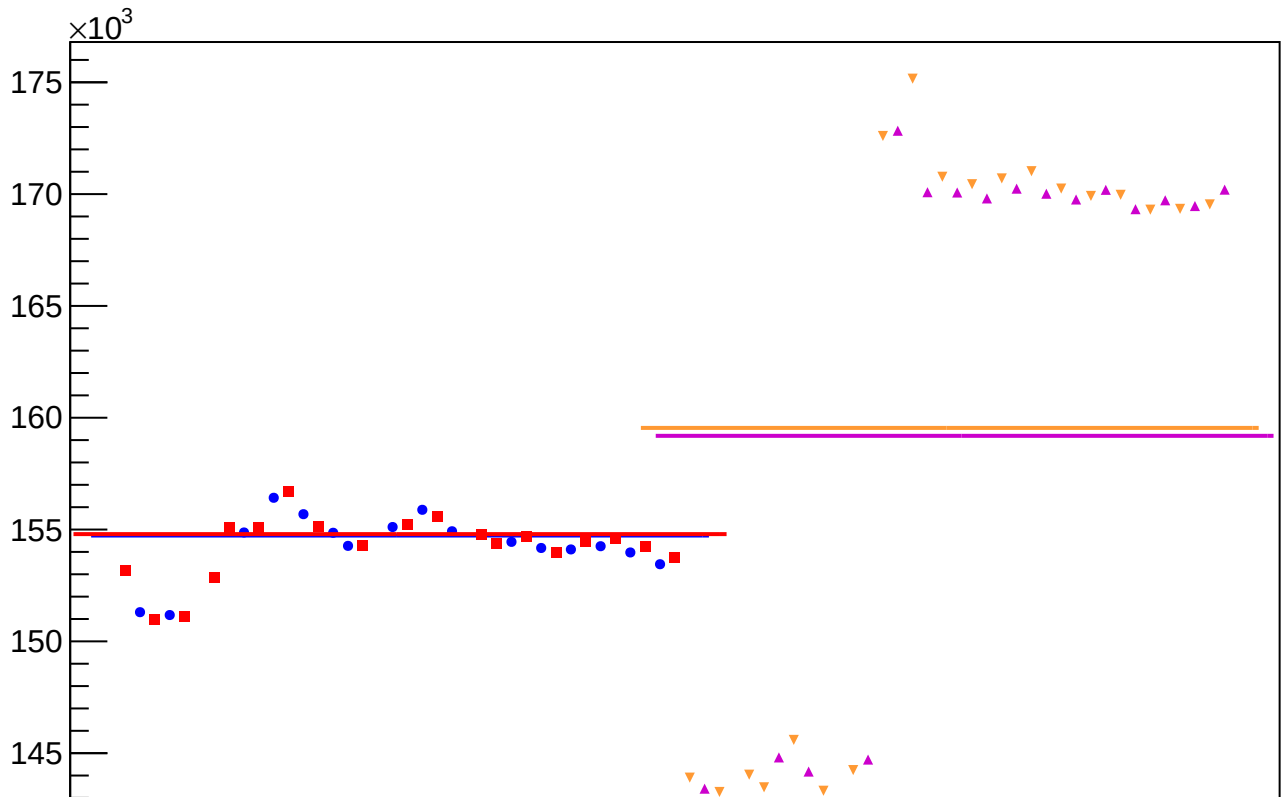
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 209.199+/-0.039 χ^2/NDF:390085.9/17

+ sign 197.151+/-0.031 χ^2/NDF: 1424336.9/34

All: 194.846+/-0.021 χ^2/NDF: 3361111.9/71

- 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: 159545.238+/-0.051 χ^2/NDF:70321416745.9/18

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

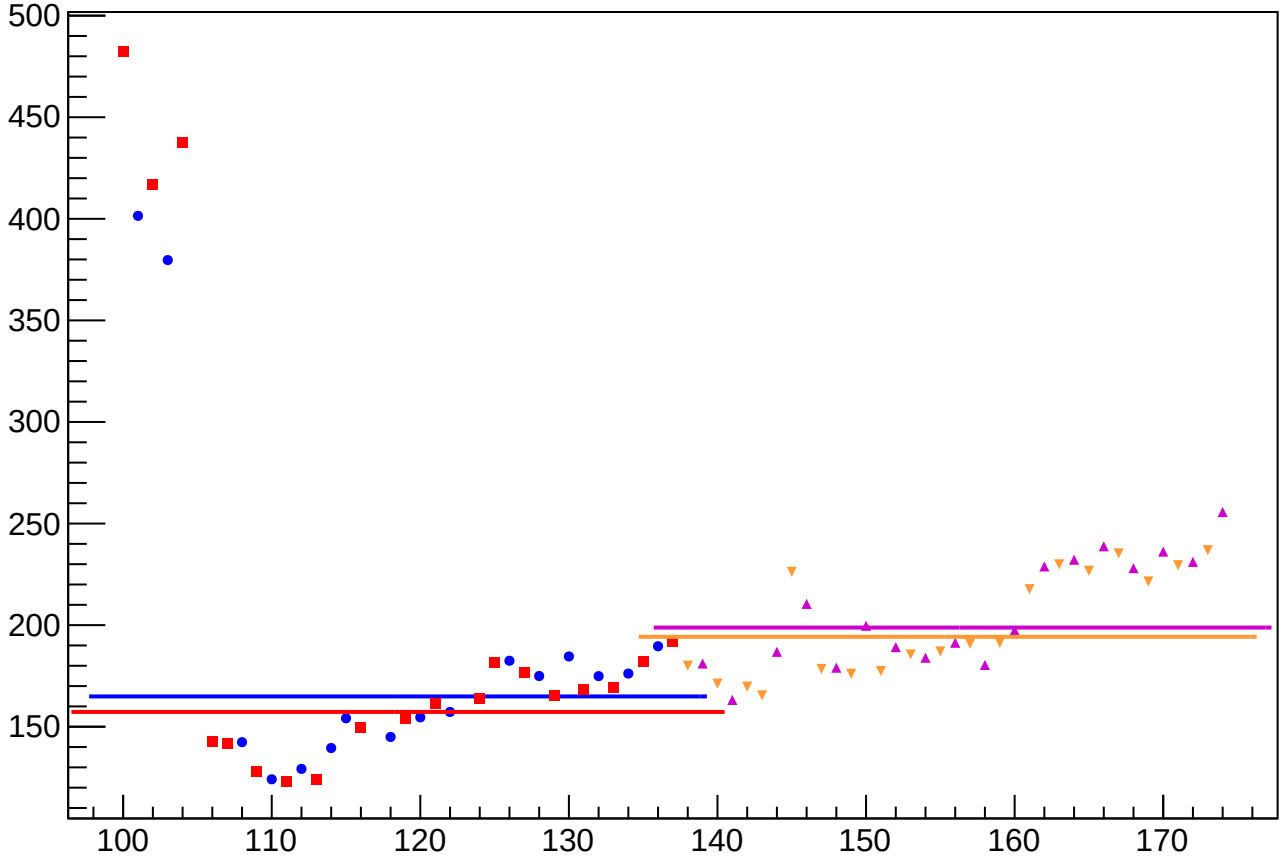
Left In: 159190.813+/-0.052 χ^2/NDF:63566139431.2/17

+ sign 157725.074+/-0.040 χ^2/NDF: 7398316547 2.

All: 157527.392+/-0.028 χ^2/NDF: 14089255 3

- 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: 194.262+/-0.036 χ^2/NDF:435540.3/18

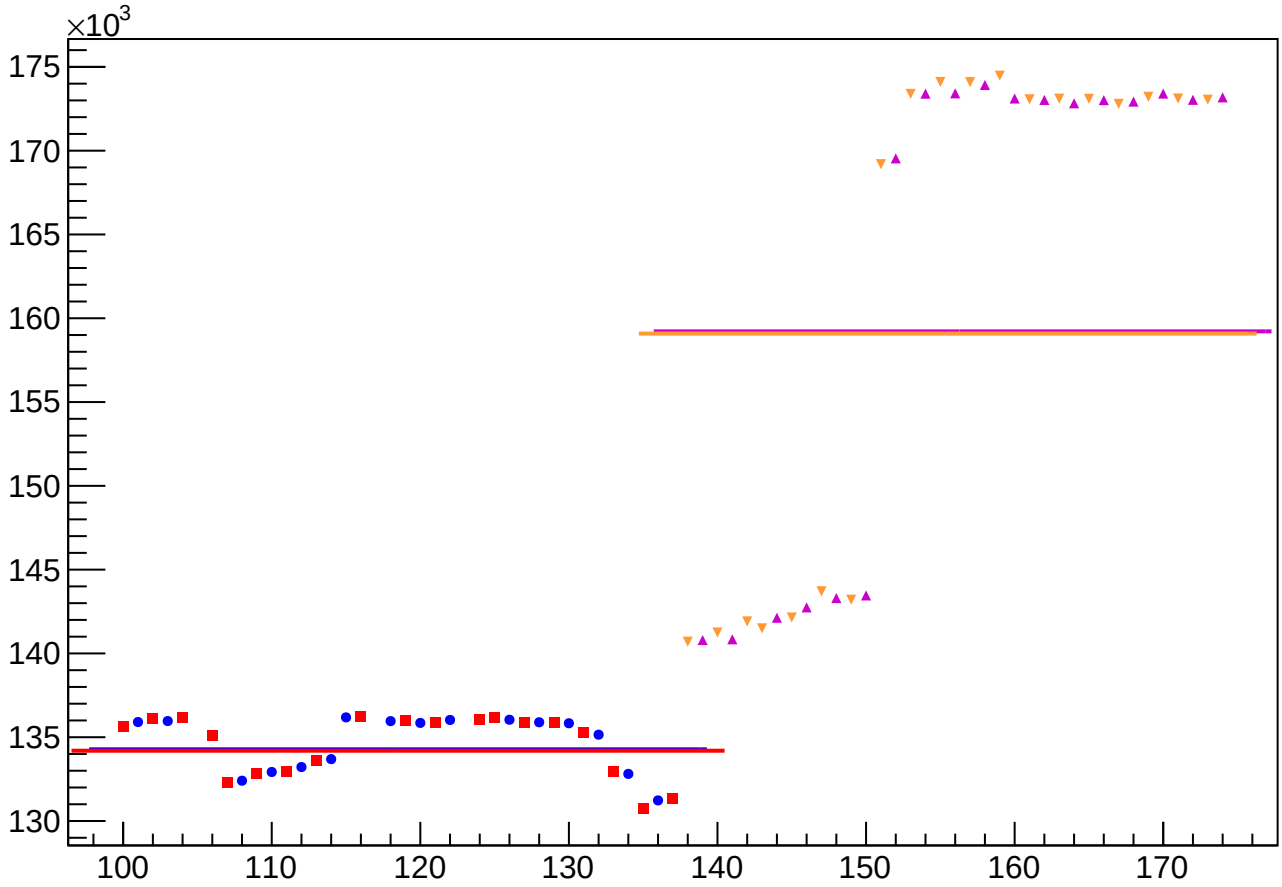
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 198.811+/-0.037 χ^2/NDF:437016.5/17

+ sign 183.158+/-0.028 χ^2/NDF: 1760379.6/34

All: 182.201+/-0.020 χ^2/NDF: 3988586.8/71

- sign 181.262+/-0.028 χ^2/NDF: 2225949.4/36



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 159084.974+/-0.052 χ^2/NDF:89339389875.1/18

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

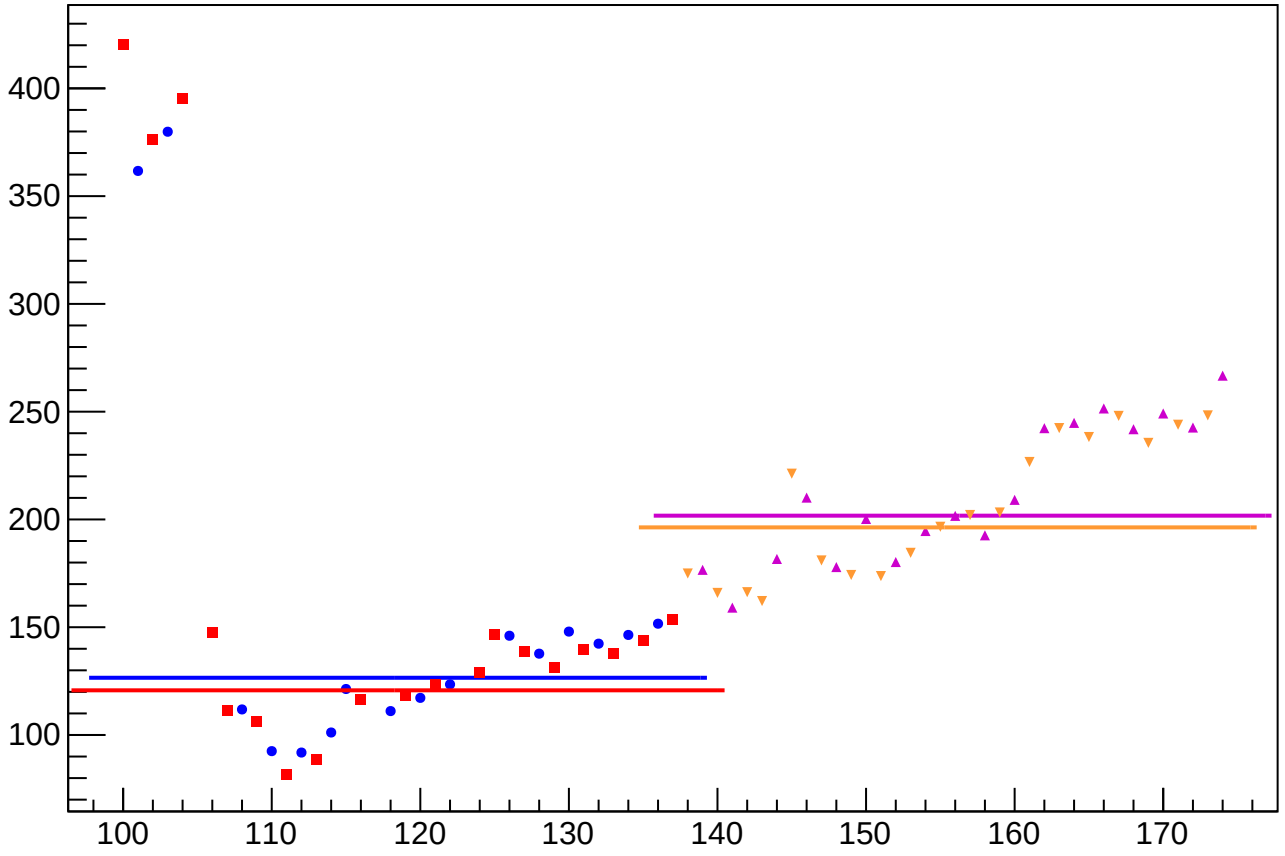
Left In: 159218.694+/-0.053 χ^2/NDF:82566996020.6/17

+ sign 146494.426+/-0.036 χ^2/NDF: 20782563944

All: 145944.615+/-0.025 χ^2/NDF: 41400703

- sign 145412.049+/-0.036 χ^2/NDF: 205727455576

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 196.320+/-0.036 χ^2/NDF:644260.3/18

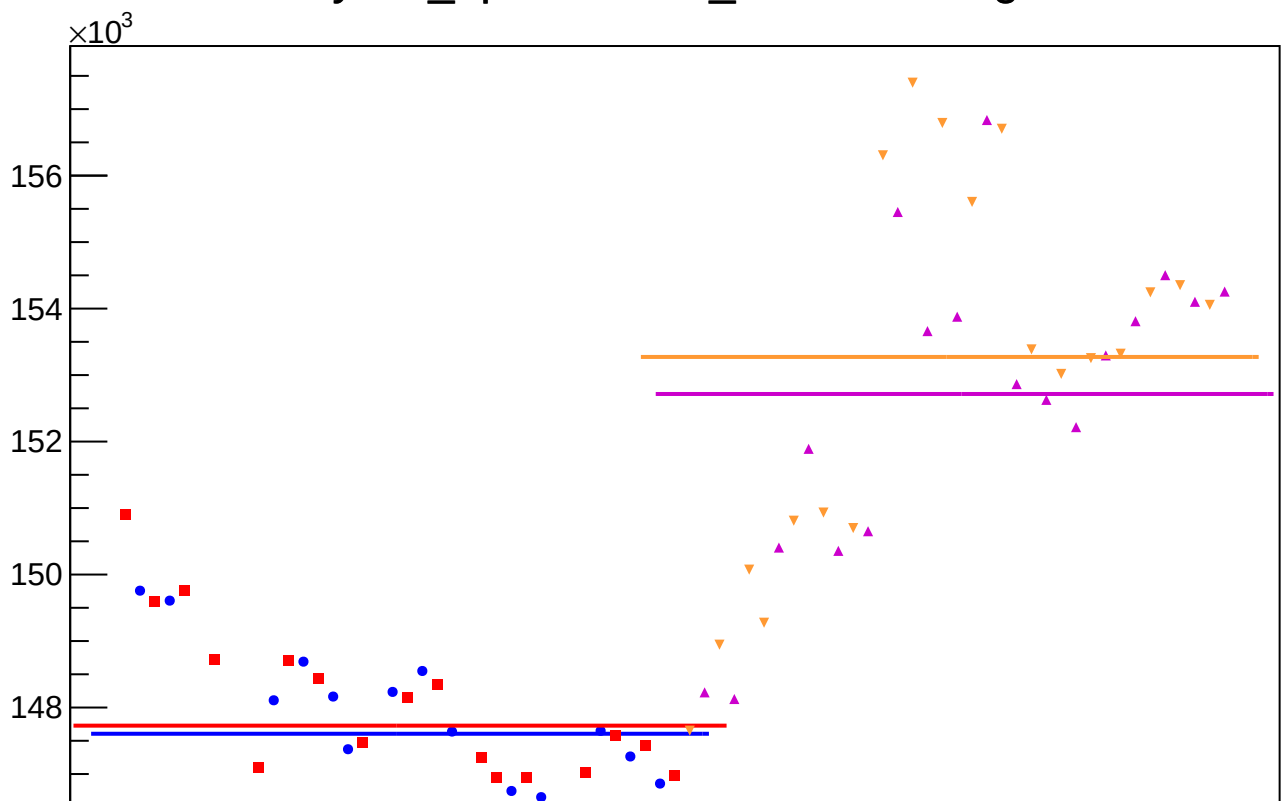
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 201.753+/-0.038 χ^2/NDF:624489.4/17

+ sign 160.912+/-0.026 χ^2/NDF: 3977774.4/34

All: 158.948+/-0.018 χ^2/NDF: 8804139.3/71

- 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: 153272.761+/-0.055 χ^2/NDF:2957832141.7/18

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

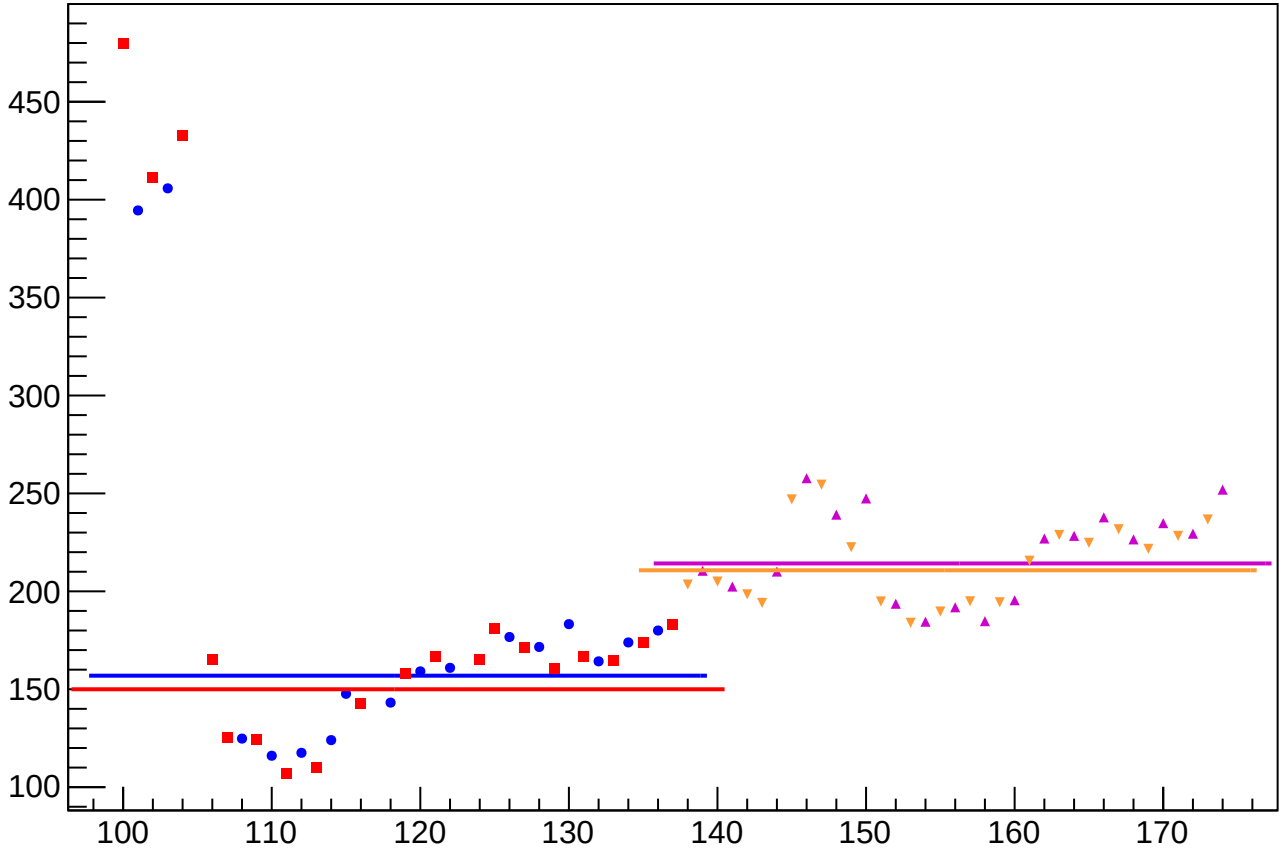
Left In: 152715.719+/-0.056 χ^2/NDF:1876034761.7/17

+ sign 150795.968+/-0.041 χ^2/NDF: 7790739646.3/

All: 150563.727+/-0.029 χ^2/NDF: 13673585

- 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: 210.753+/-0.039 χ^2/NDF:254973.1/18

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

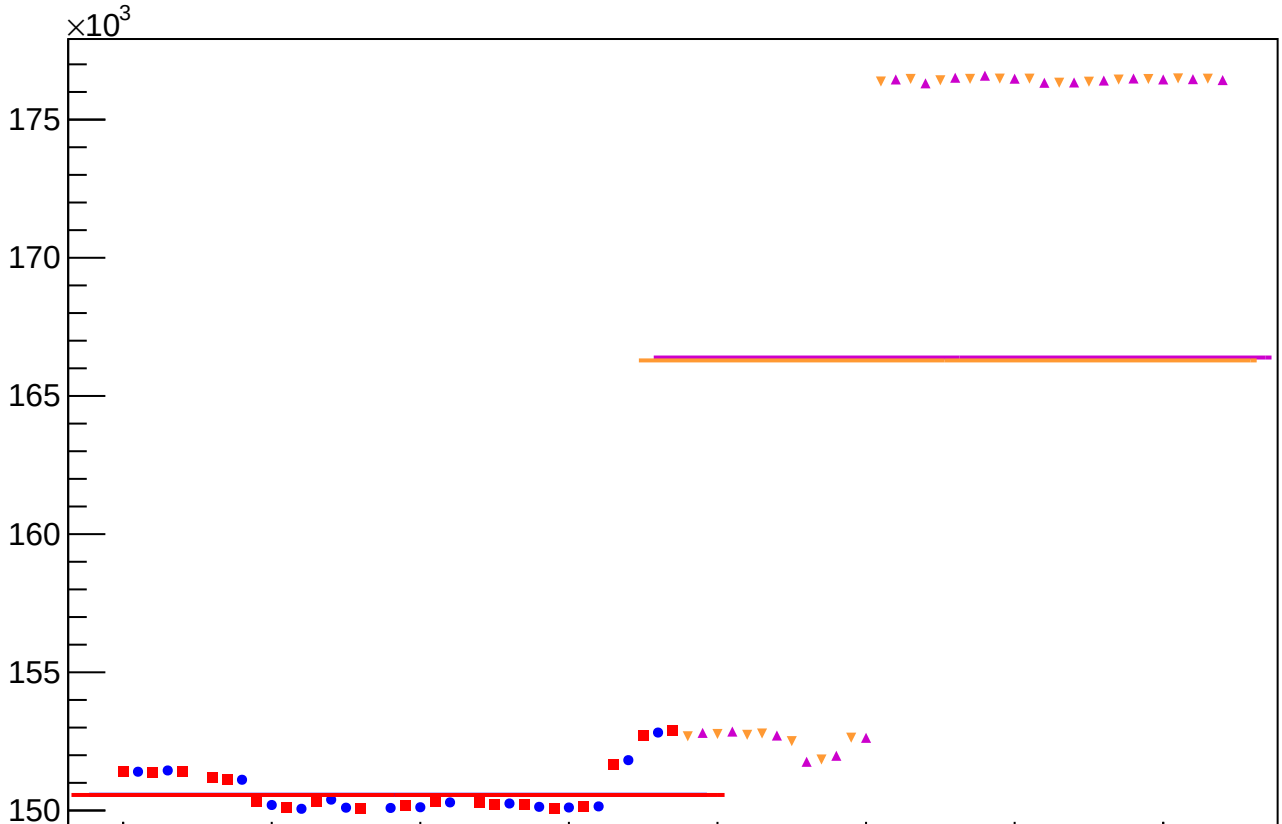
Left In: 214.242+/-0.040 χ^2/NDF:335391.3/17

+ sign 187.229+/-0.029 χ^2/NDF: 2356529.1/34

All: 185.398+/-0.020 χ^2/NDF: 5397741.3/71

- sign 183.621+/-0.029 χ^2/NDF: 3033466.6/36

yield_bpm2i01WS_mean vs Slug



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166285.952+/-0.050 χ^2/NDF:55759171910.9/18

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

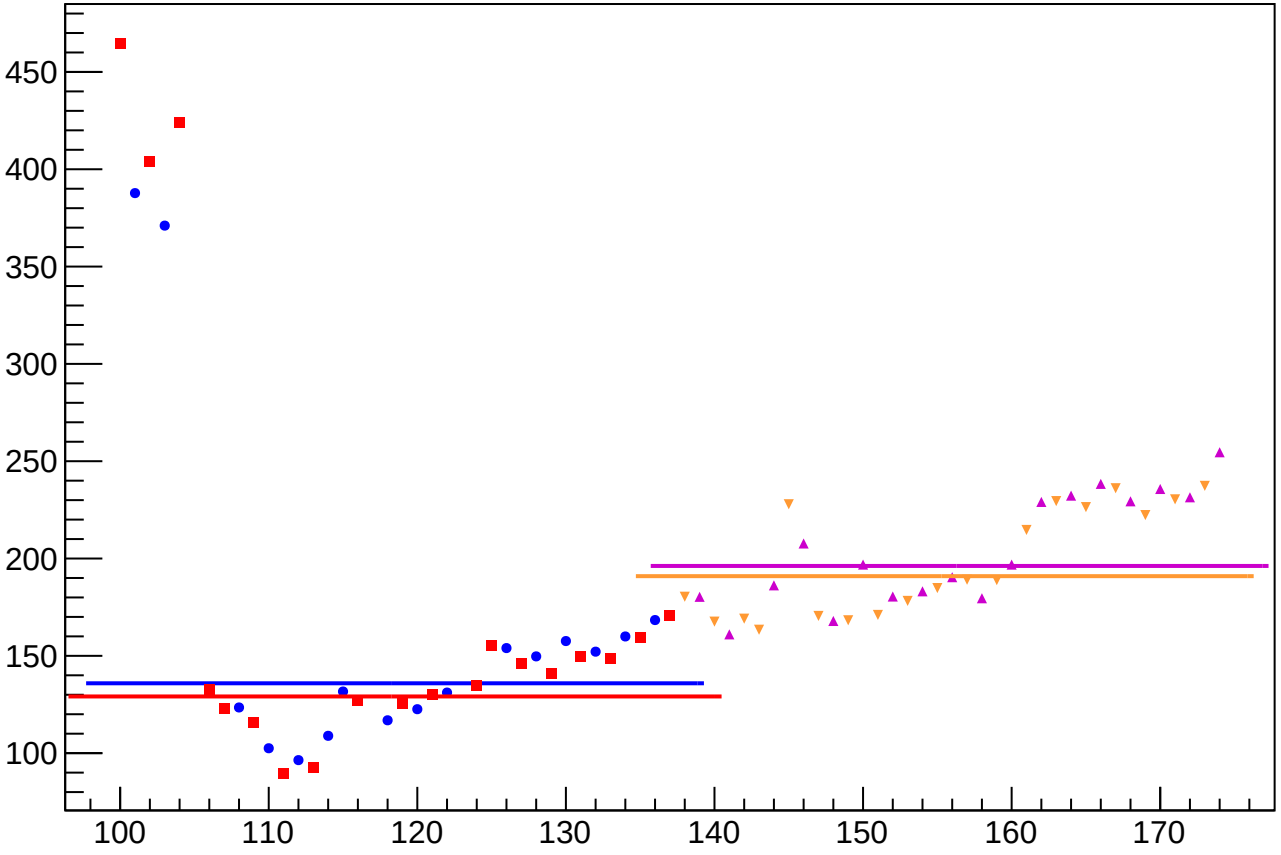
Left In: 166390.594+/-0.052 χ^2/NDF:52514370933.6/17

+ sign 159116.371+/-0.037 χ^2/NDF: 10104431166

All: 158741.132+/-0.026 χ^2/NDF: 2015632

- sign 158378.239+/-0.036 χ^2/NDF: 10031533139

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 190.936+/-0.035 χ^2/NDF:520372.5/18

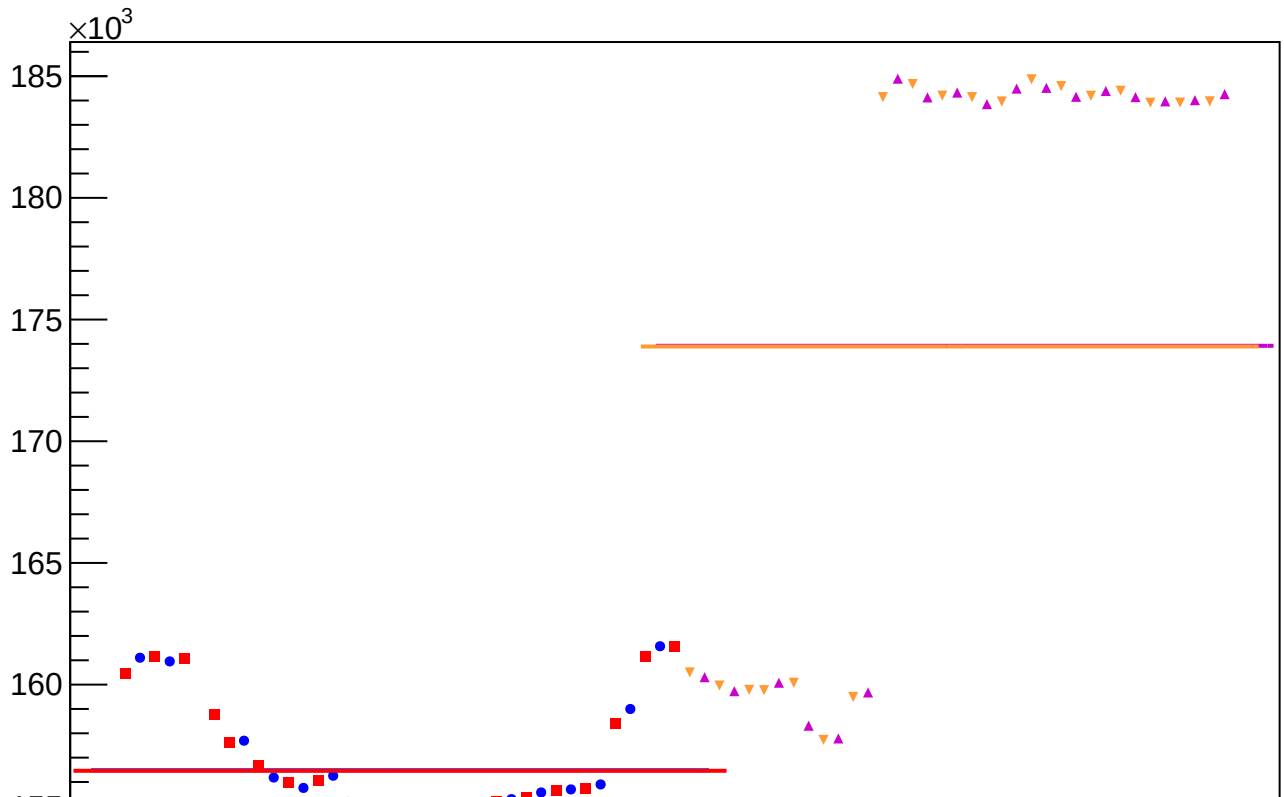
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 196.186+/-0.036 χ^2/NDF:497568.0/17

+ sign 165.829+/-0.026 χ^2/NDF: 3041572.4/34

All: 164.006+/-0.018 χ^2/NDF: 6871613.5/71

- 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: 173892.315+/-0.052 χ^2/NDF:55683356136.2/18

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

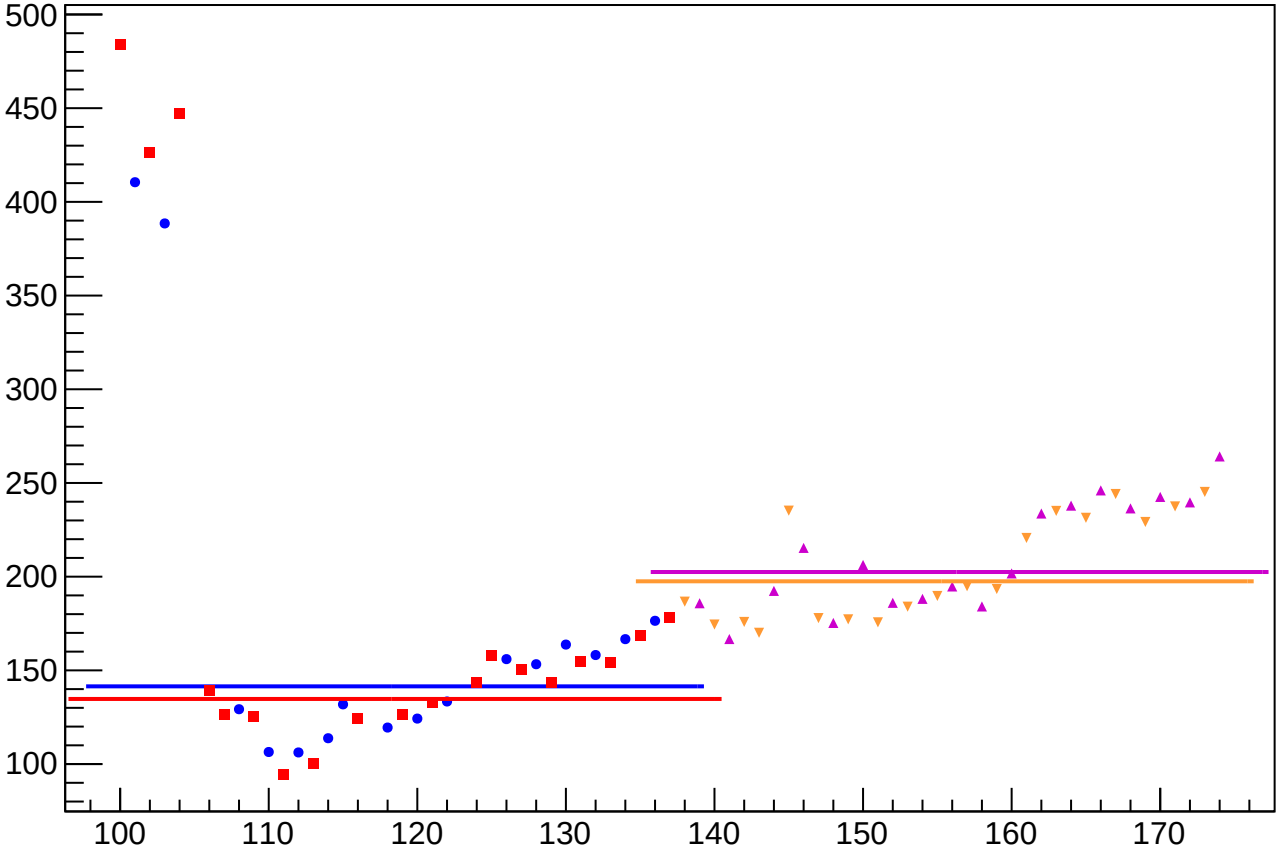
Left In: 173921.479+/-0.053 χ^2/NDF:53353626916.3/17

+ sign 166001.274+/-0.038 χ^2/NDF: 10834862738

All: 165577.545+/-0.027 χ^2/NDF: 2169109

- 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: 197.524+/-0.037 χ^2/NDF:490765.9/18

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

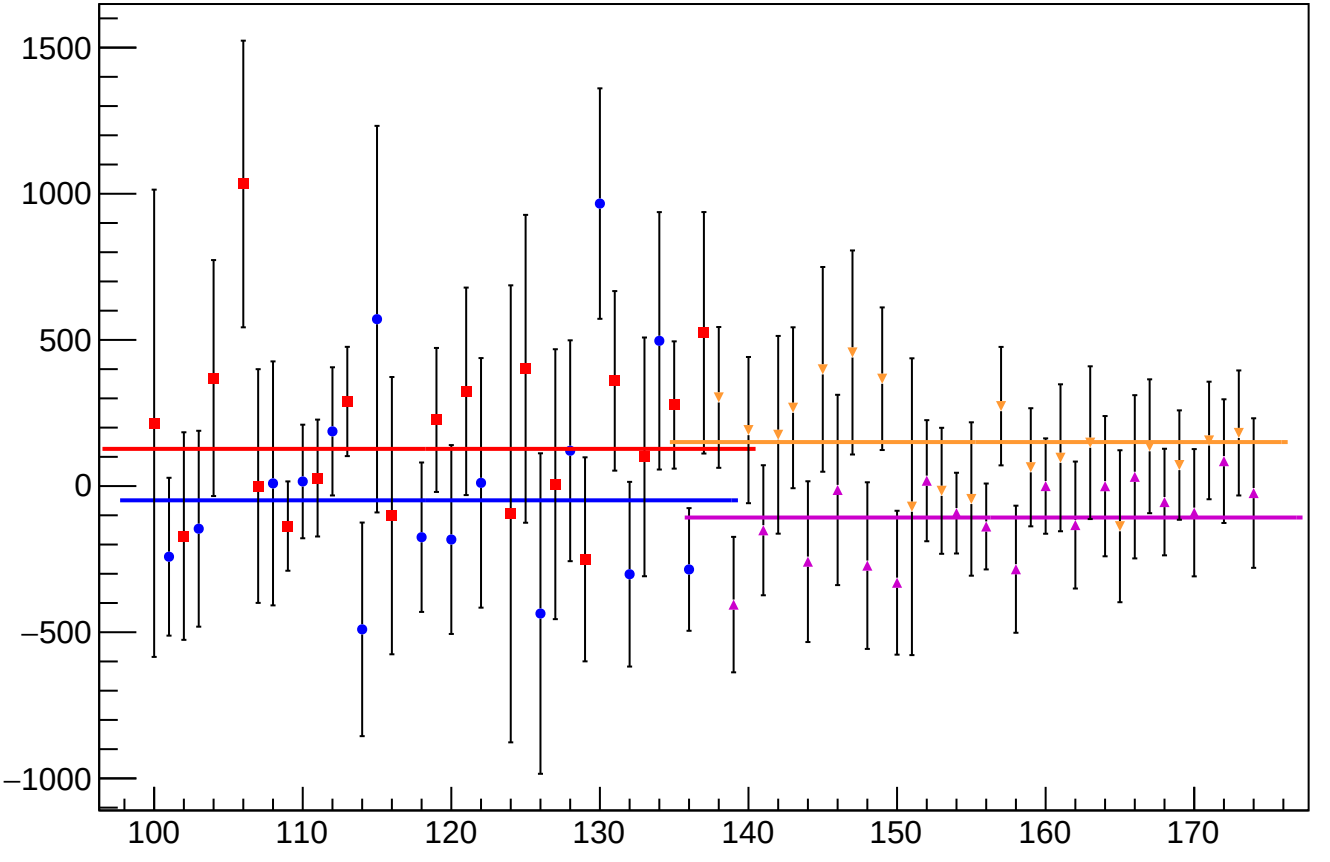
Left In: 202.486+/-0.038 χ^2/NDF:490054.3/17

+ sign 172.124+/-0.027 χ^2/NDF: 2947350.1/34

All: 170.295+/-0.019 χ^2/NDF: 6646930.3/71

- 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: 150.546+/-56.200 χ^2/NDF:6.0/18

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

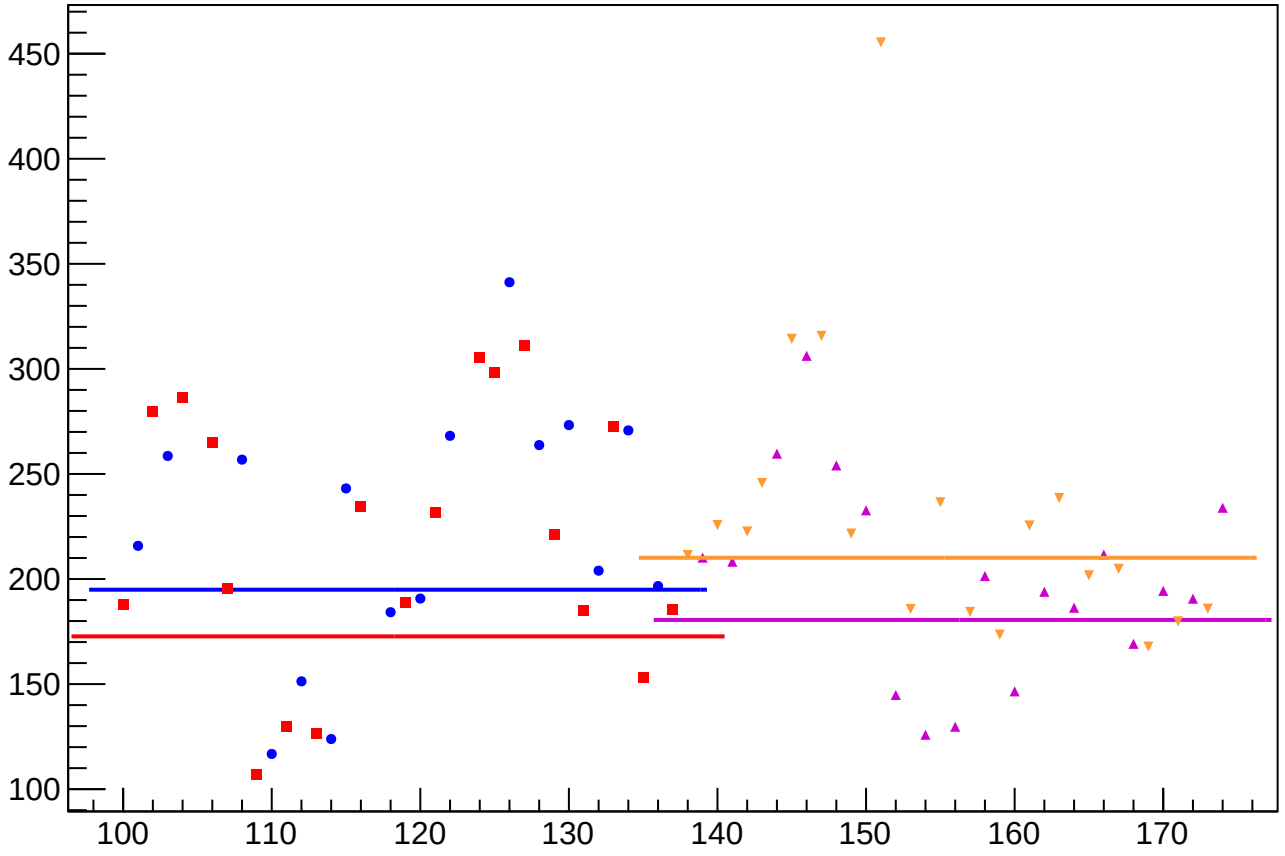
Left In: -107.582+/-49.308 χ^2/NDF:6.2/17

+ sign 80.797+/-45.311 χ^2/NDF: 25.9/34

All: 19.991+/-29.995 χ^2/NDF: 55.9/71

- 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: 210.112+/-0.040 χ^2/NDF:1226357.8/18

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

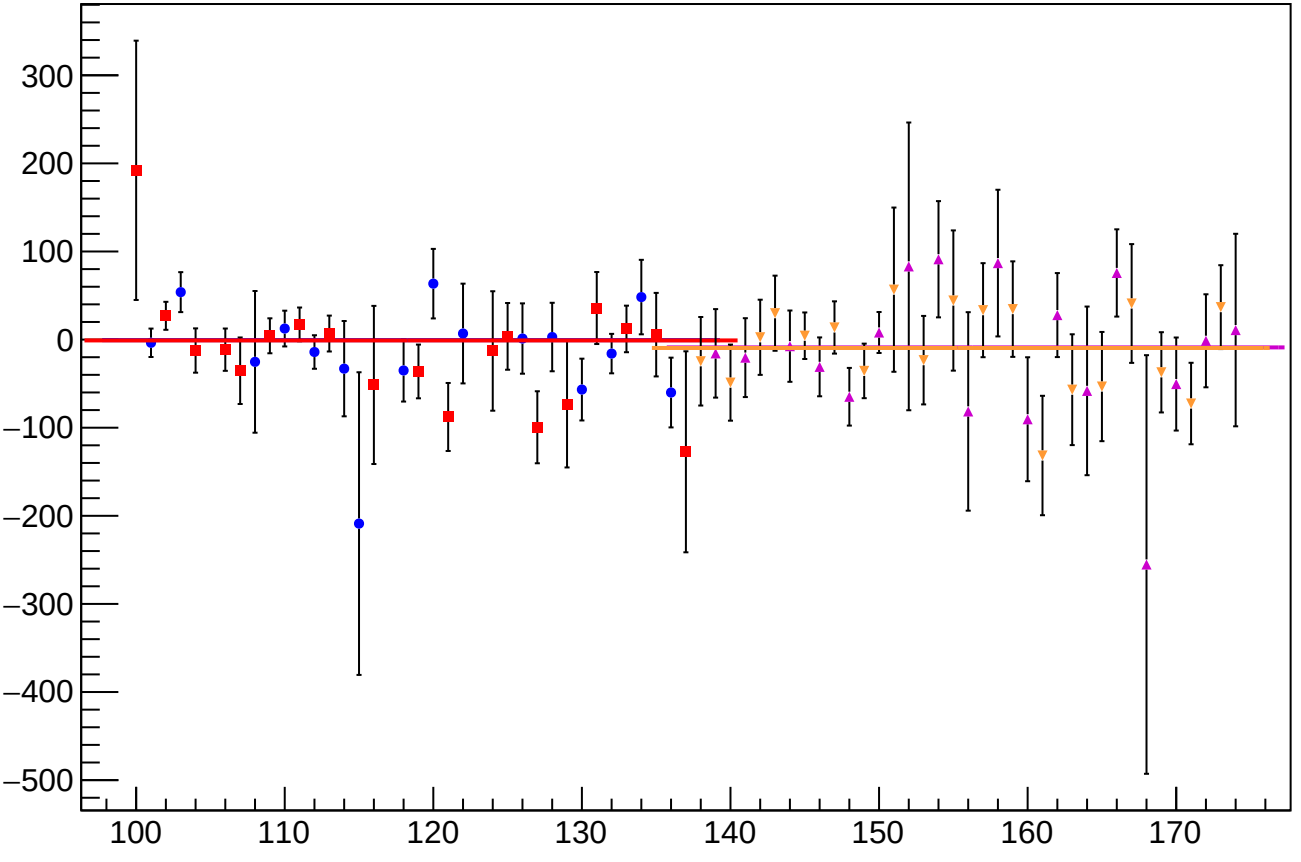
Left In: 180.540+/-0.035 χ^2/NDF:1608598.5/17

\+ sign 204.796+/-0.032 χ^2/NDF: 2306391.2/34

All: 189.667+/-0.021 χ^2/NDF: 5960473.3/71

\- 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: -9.501+/-10.342 χ^2/NDF:13.9/18

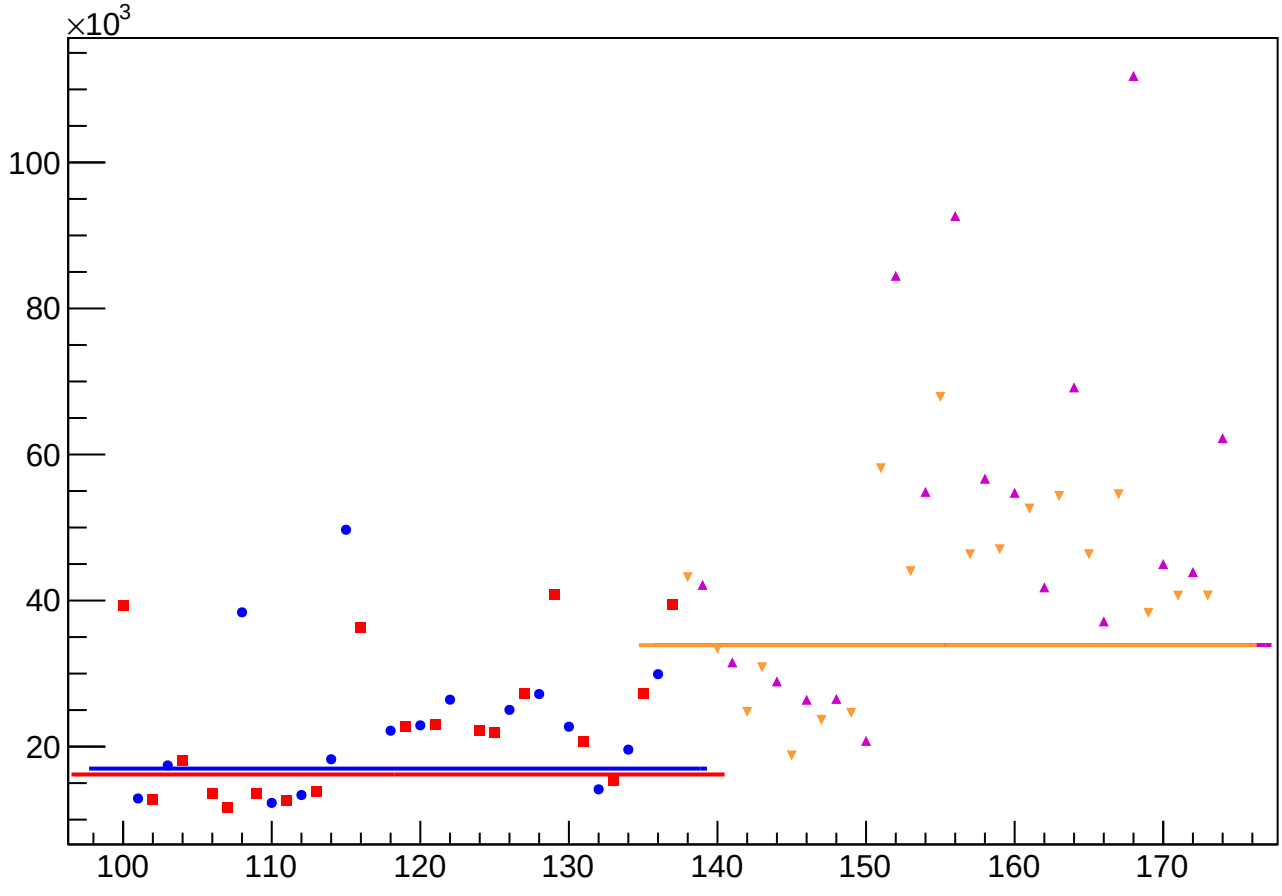
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: -8.866+/-11.430 χ^2/NDF:15.2/17

+ sign -3.598+/-5.986 χ^2/NDF: 33.2/34

All: -3.288+/-4.174 χ^2/NDF: 71.8/71

- 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: 33894.612+/-7.313 χ^2/NDF:2784422.6/18

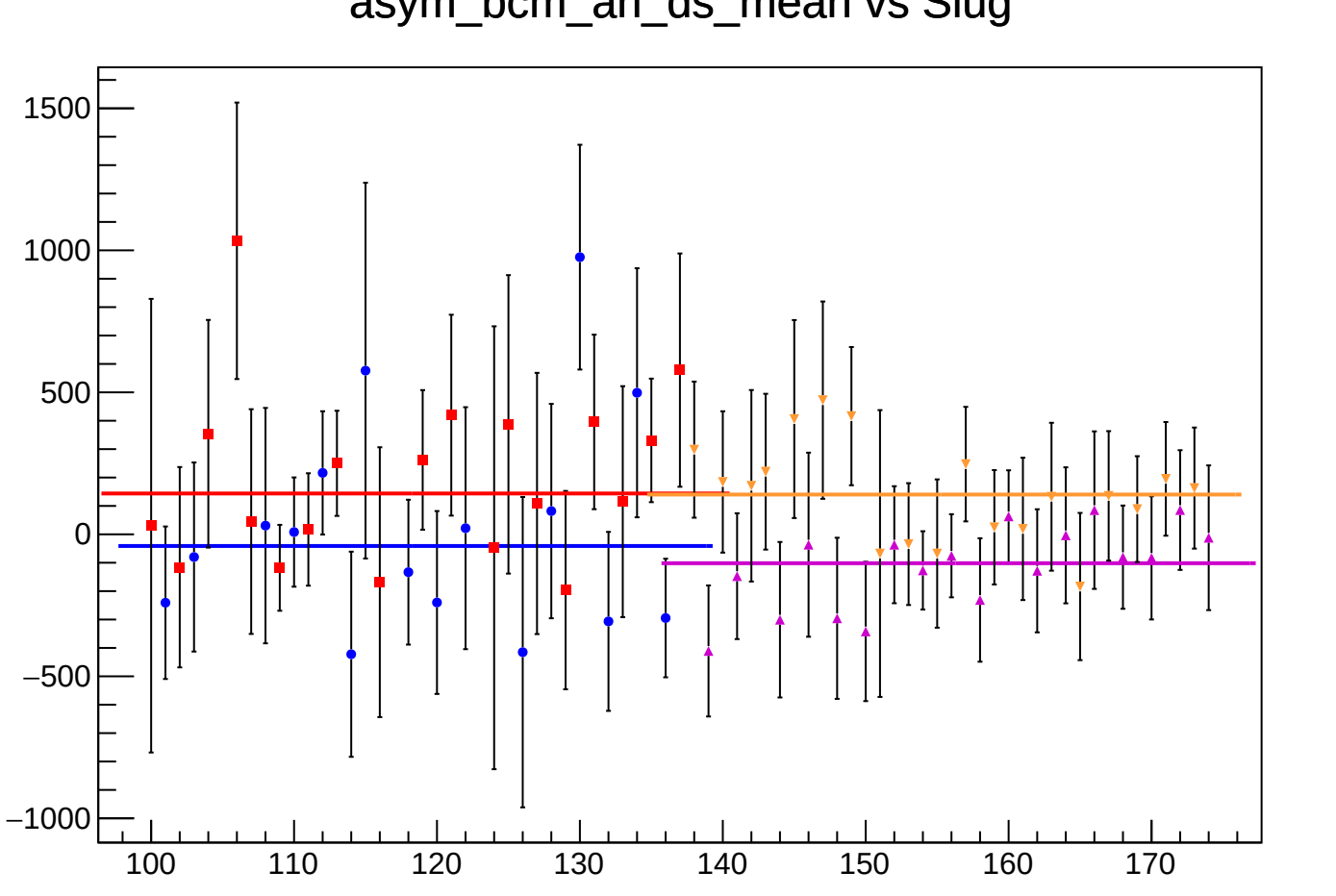
Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 33909.710+/-8.083 χ^2/NDF:3037084.0/17

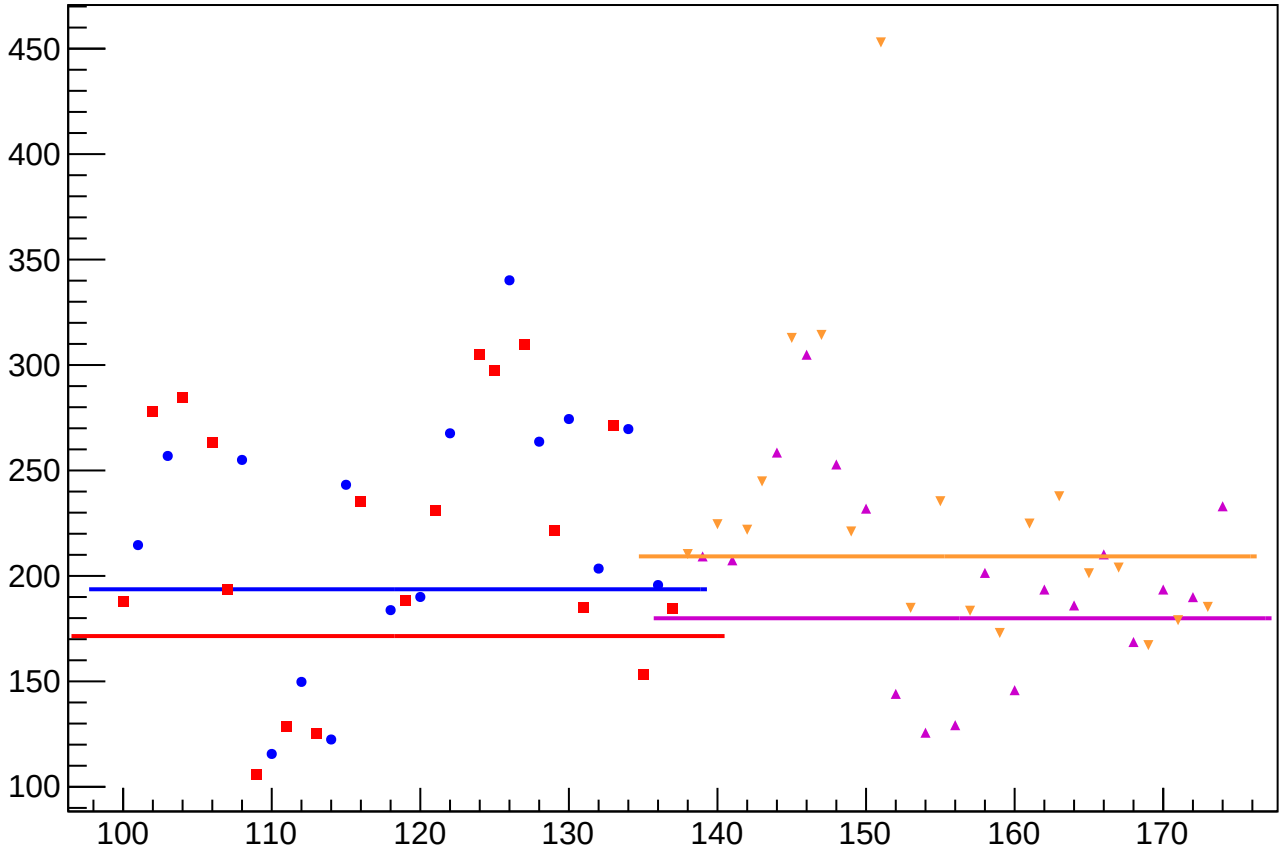
+ sign 22650.640+/-4.233 χ^2/NDF: 7533552.9/34

All: 21690.914+/-2.951 χ^2/NDF: 15484381.9/

- sign 20782.658+/-4.118 χ^2/NDF: 7850759.2/36


asym_bcm_an_ds_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -41.048+/-76.156 χ²/NDF: 15.5/15
Left Out: 140.098+/-55.971 χ²/NDF:7.4/18
Right Out: 143.821+/-68.080 χ²/NDF: 13.0/18
Left In: -101.759+/-49.134 χ²/NDF:7.0/17
+ sign 76.567+/-45.101 χ²/NDF: 26.5/34
All: 23.647+/-29.859 χ²/NDF: 57.5/71
- sign -17.652+/-39.842 χ²/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: 209.268+/-0.040 χ^2/NDF:1225052.8/18

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

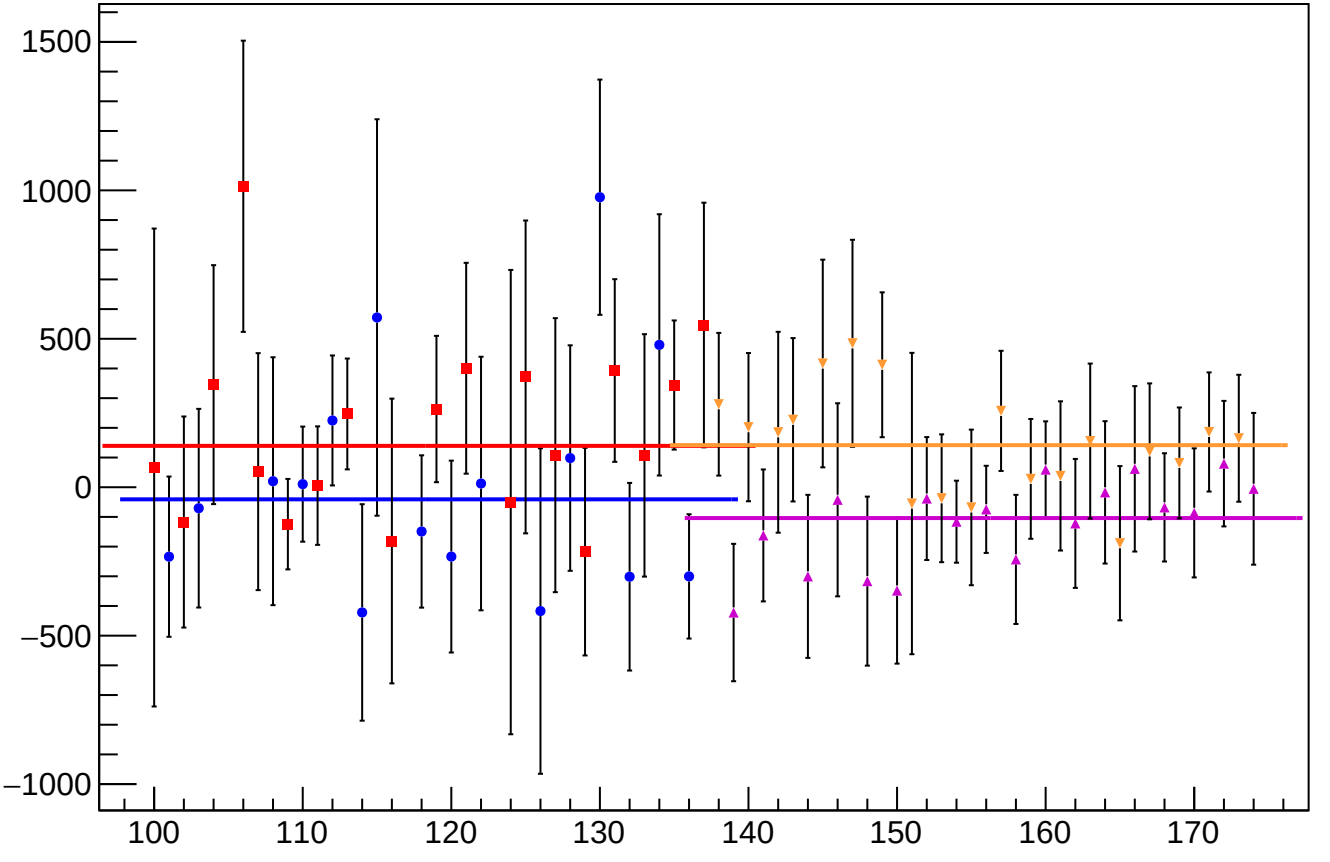
Left In: 179.922+/-0.035 χ^2/NDF:1605140.8/17

+ sign 203.798+/-0.032 χ^2/NDF: 2329296.0/34

All: 188.764+/-0.021 χ^2/NDF: 6003271.8/71

- 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: 141.725+/-56.145 χ^2/NDF:7.4/18

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

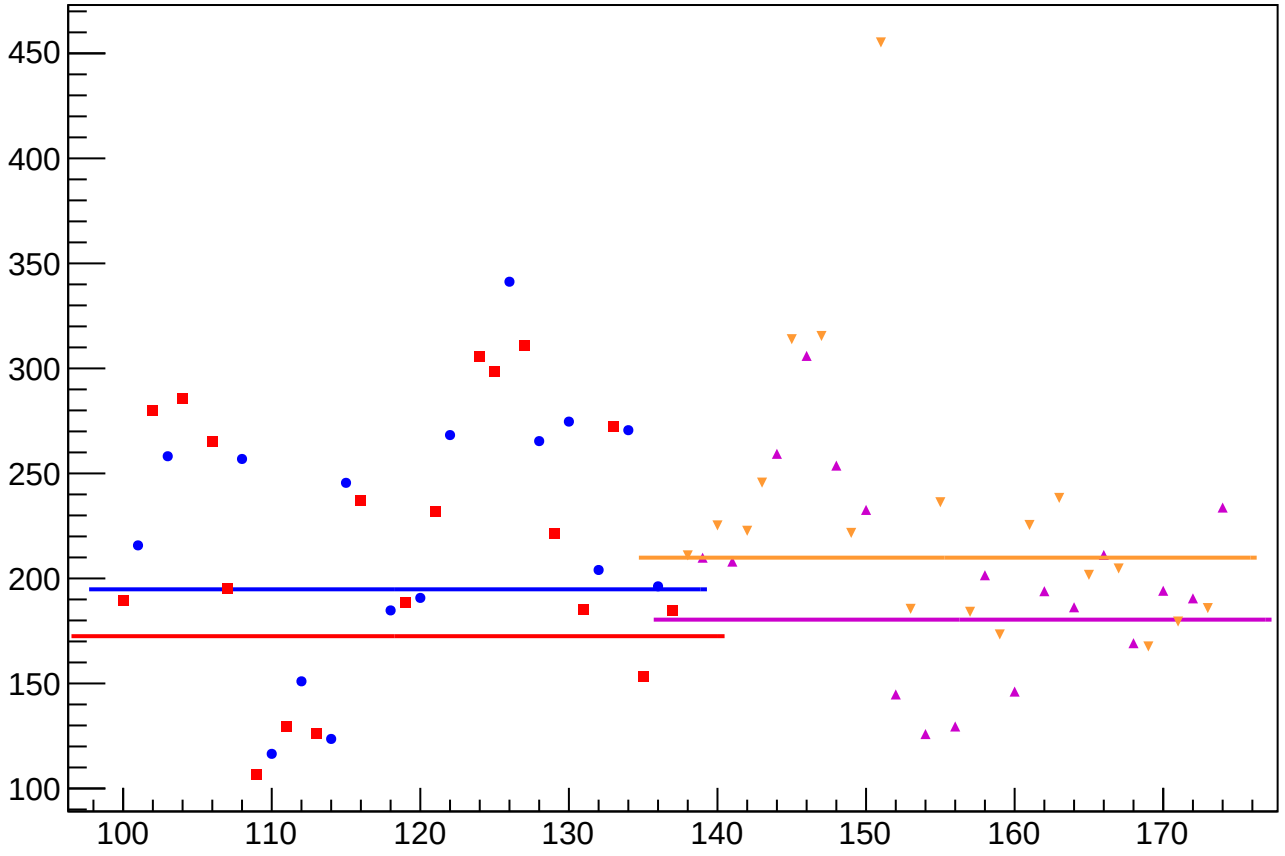
Left In: -103.890+/-49.265 χ^2/NDF:7.1/17

+ sign 77.914+/-45.279 χ^2/NDF: 26.5/34

All: 22.386+/-29.973 χ^2/NDF: 57.4/71

- 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: 209.899+/-0.040 χ^2/NDF:1228008.8/18

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

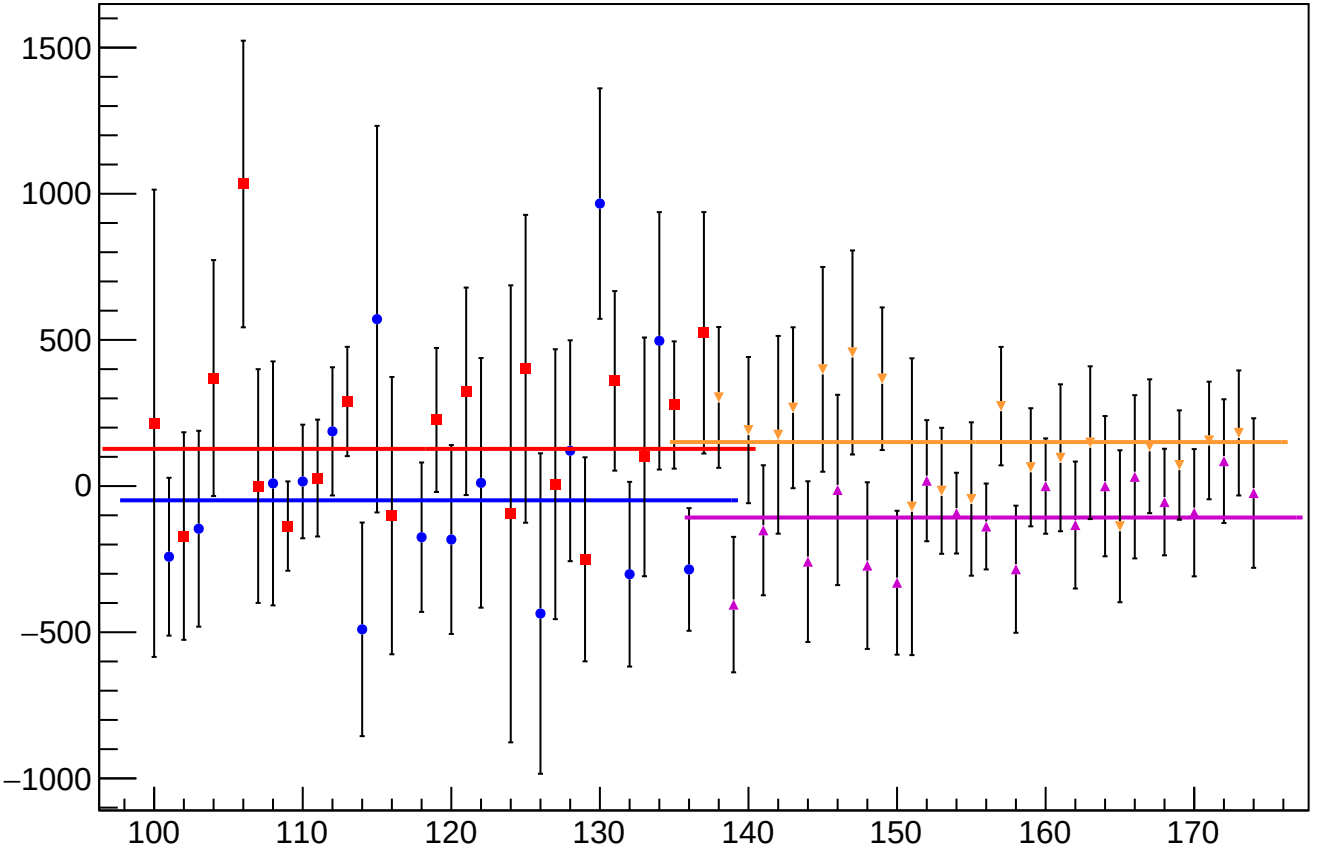
Left In: 180.382+/-0.035 χ^2/NDF:1608894.7/17

+ sign 204.627+/-0.032 χ^2/NDF: 2317542.7/34

All: 189.496+/-0.021 χ^2/NDF: 5983452.9/71

- 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: 150.546+/-56.200 χ^2/NDF:6.0/18

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

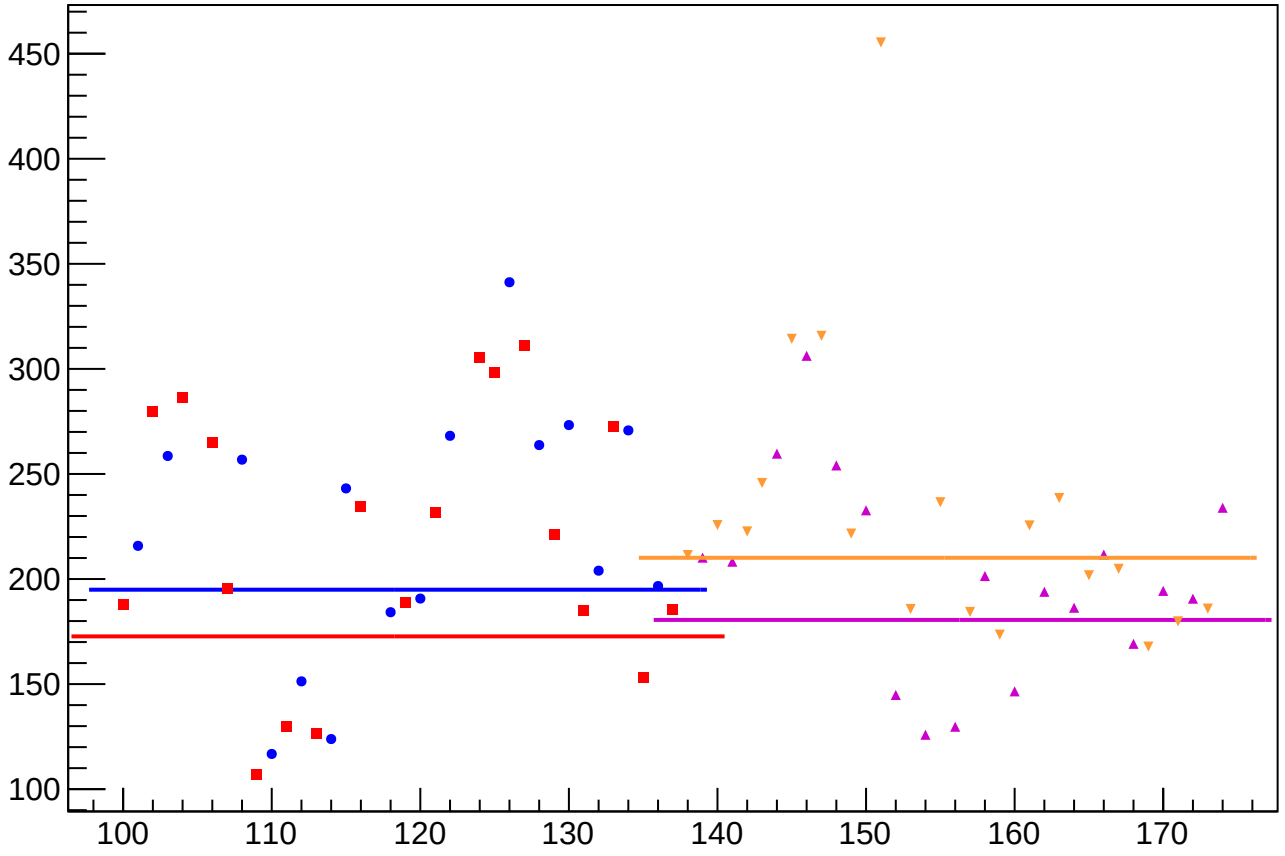
Left In: -107.582+/-49.308 χ^2/NDF:6.2/17

+ sign 80.797+/-45.311 χ^2/NDF: 25.9/34

All: 19.991+/-29.995 χ^2/NDF: 55.9/71

- 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: 210.112+/-0.040 χ^2/NDF:1226357.8/18

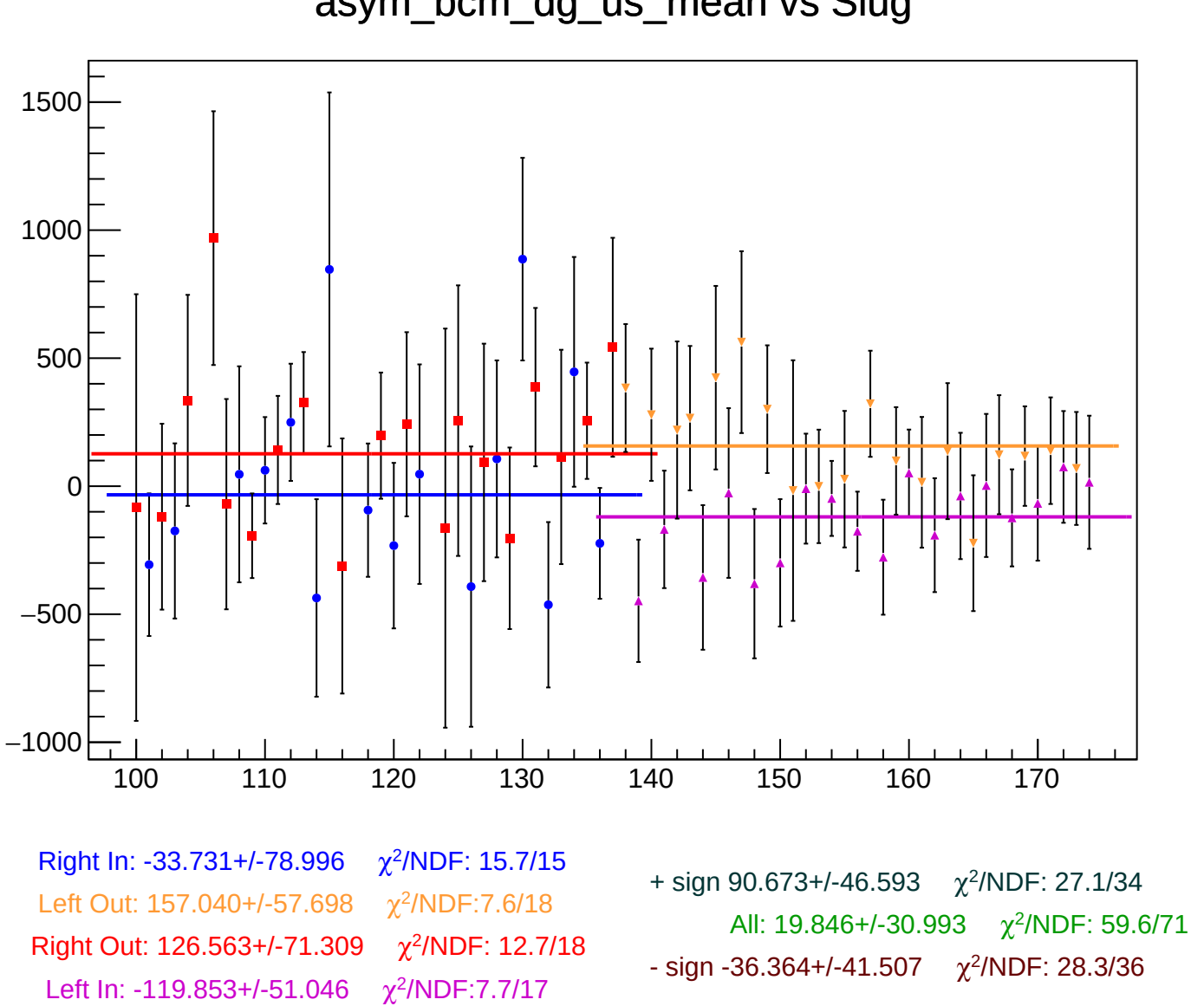
Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 180.540+/-0.035 χ^2/NDF:1608598.5/17

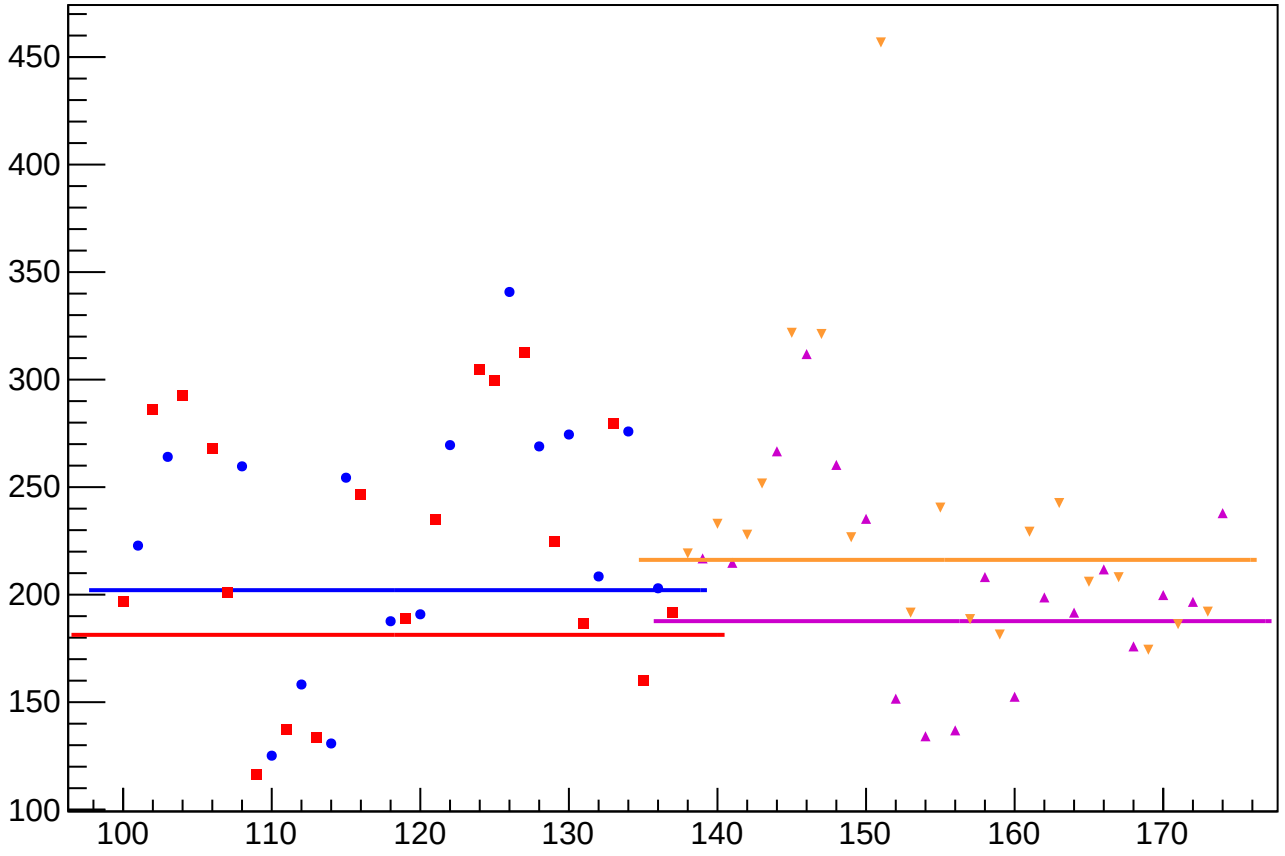
+ sign 204.796+/-0.032 χ^2/NDF: 2306391.2/34

All: 189.667+/-0.021 χ^2/NDF: 5960473.3/71

- sign 177.866+/-0.028 χ^2/NDF: 3257185.9/36


asym_bcm_dg_us_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -33.731+/-78.996 χ²/NDF: 15.7/15
Left Out: 157.040+/-57.698 χ²/NDF:7.6/18
Right Out: 126.563+/-71.309 χ²/NDF: 12.7/18
Left In: -119.853+/-51.046 χ²/NDF:7.7/17
+ sign 90.673+/-46.593 χ²/NDF: 27.1/34
All: 19.846+/-30.993 χ²/NDF: 59.6/71
- sign -36.364+/-41.507 χ²/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: 216.178+/-0.041 χ^2/NDF:1161161.7/18

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

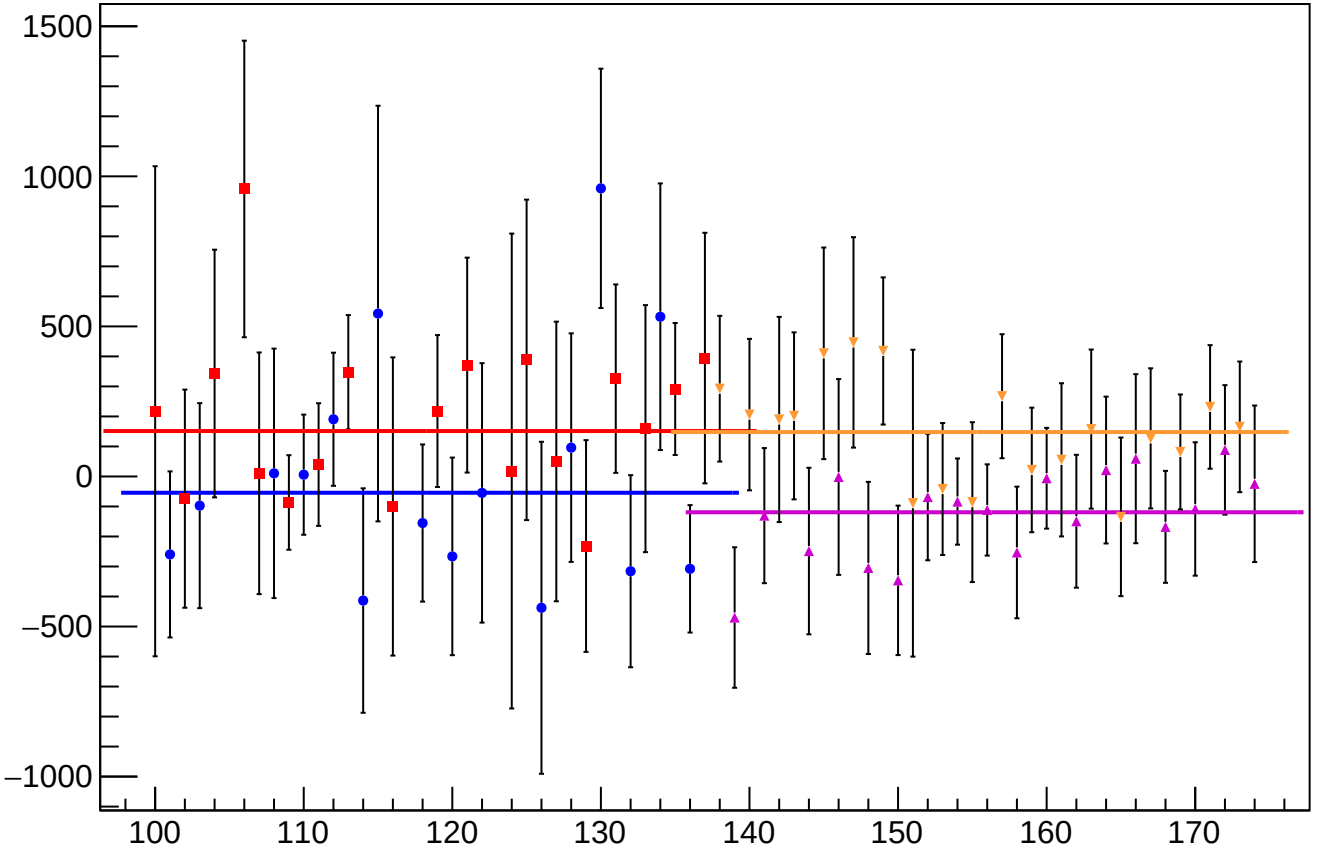
Left In: 187.687+/-0.036 χ^2/NDF:1445843.0/17

+ sign 211.277+/-0.033 χ^2/NDF: 2112899.7/34

All: 196.921+/-0.022 χ^2/NDF: 5350864.7/71

- 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: 148.010+/-57.121 χ^2/NDF:7.0/18

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

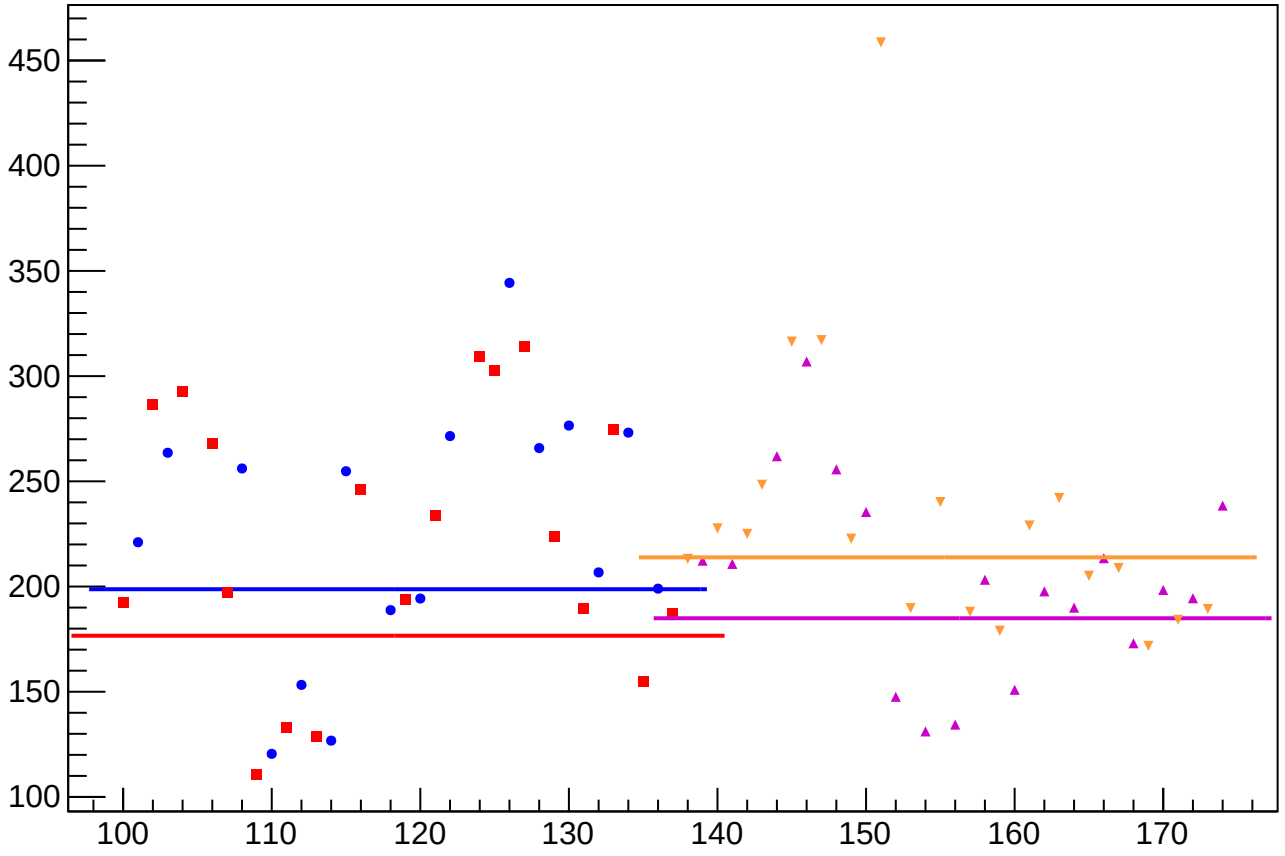
Left In: -119.275+/-50.367 χ^2/NDF:6.7/17

+ sign 77.339+/-46.074 χ^2/NDF: 26.4/34

All: 19.060+/-30.572 χ^2/NDF: 56.1/71

- 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: 213.870+/-0.040 χ^2/NDF:1170236.7/18

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

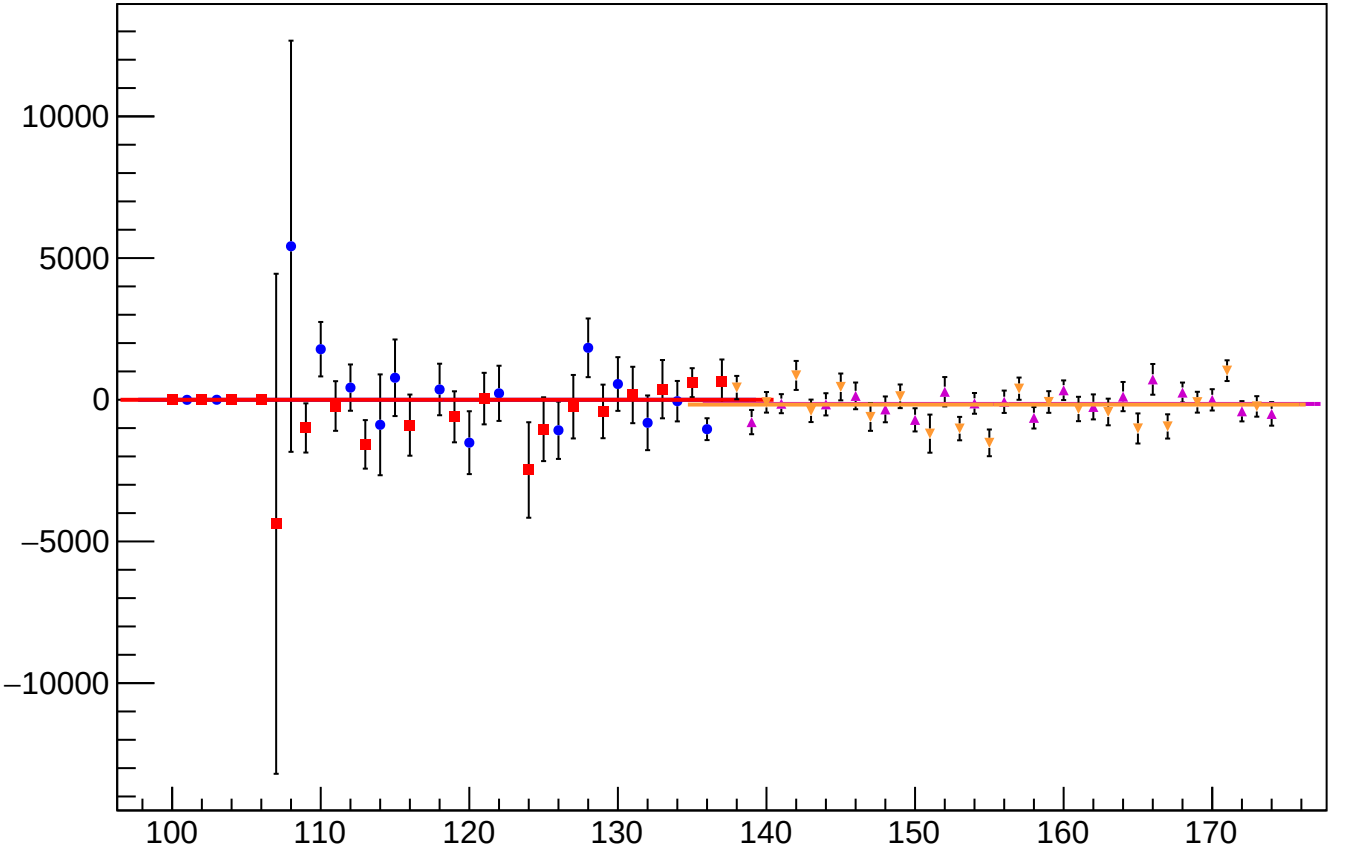
Left In: 184.923+/-0.036 χ^2/NDF:1483773.2/17

+ sign 208.576+/-0.033 χ^2/NDF: 2213473.2/34

All: 193.749+/-0.022 χ^2/NDF: 5681566.5/71

- 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: -169.094+/-97.415 χ^2/NDF:43.4/18

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

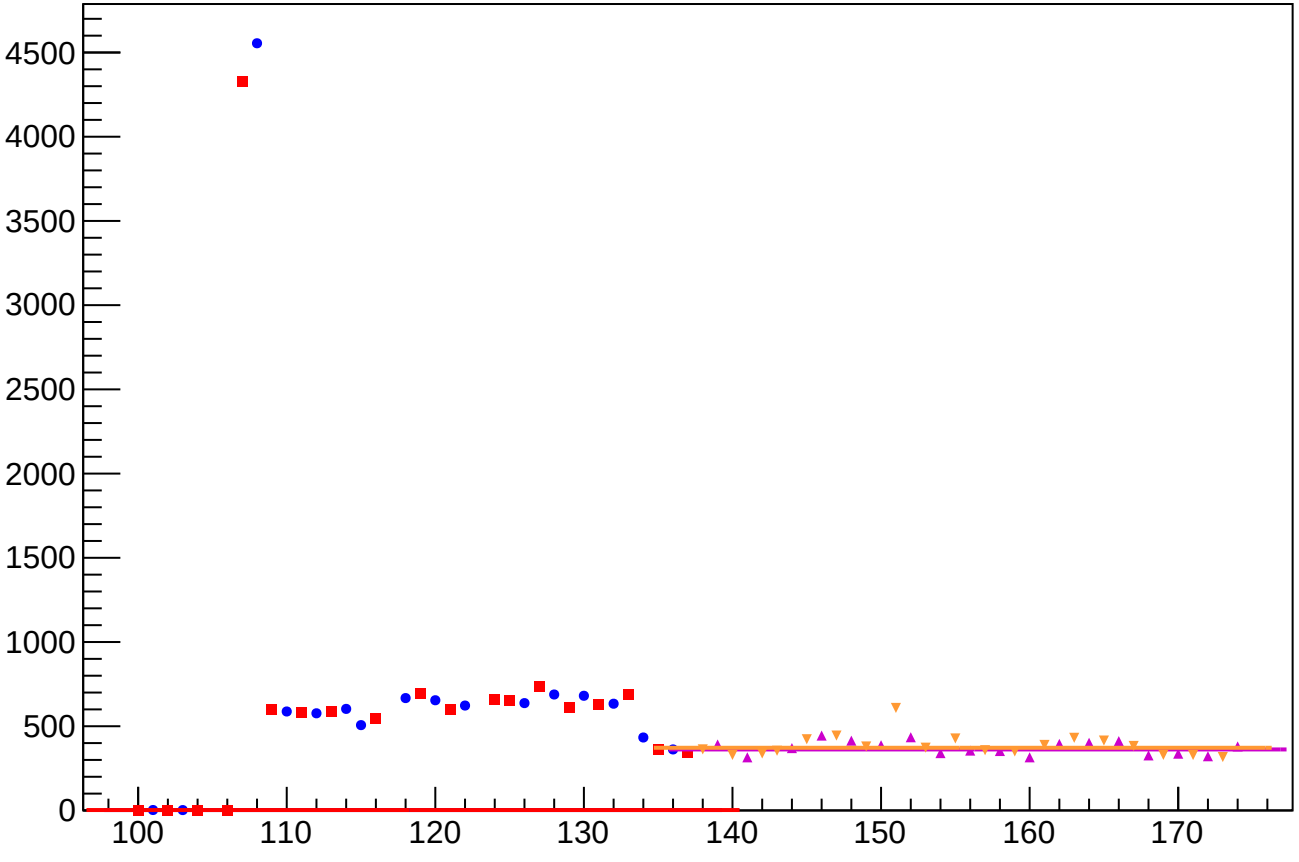
Left In: -147.800+/-95.326 χ^2/NDF:14.6/17

+ sign -1.322+/-2.170 χ^2/NDF: 66.2/34

All: -1.387+/-1.479 χ^2/NDF: 100.0/71

- 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: 372.126+/-0.069 χ^2/NDF:542359.2/18

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

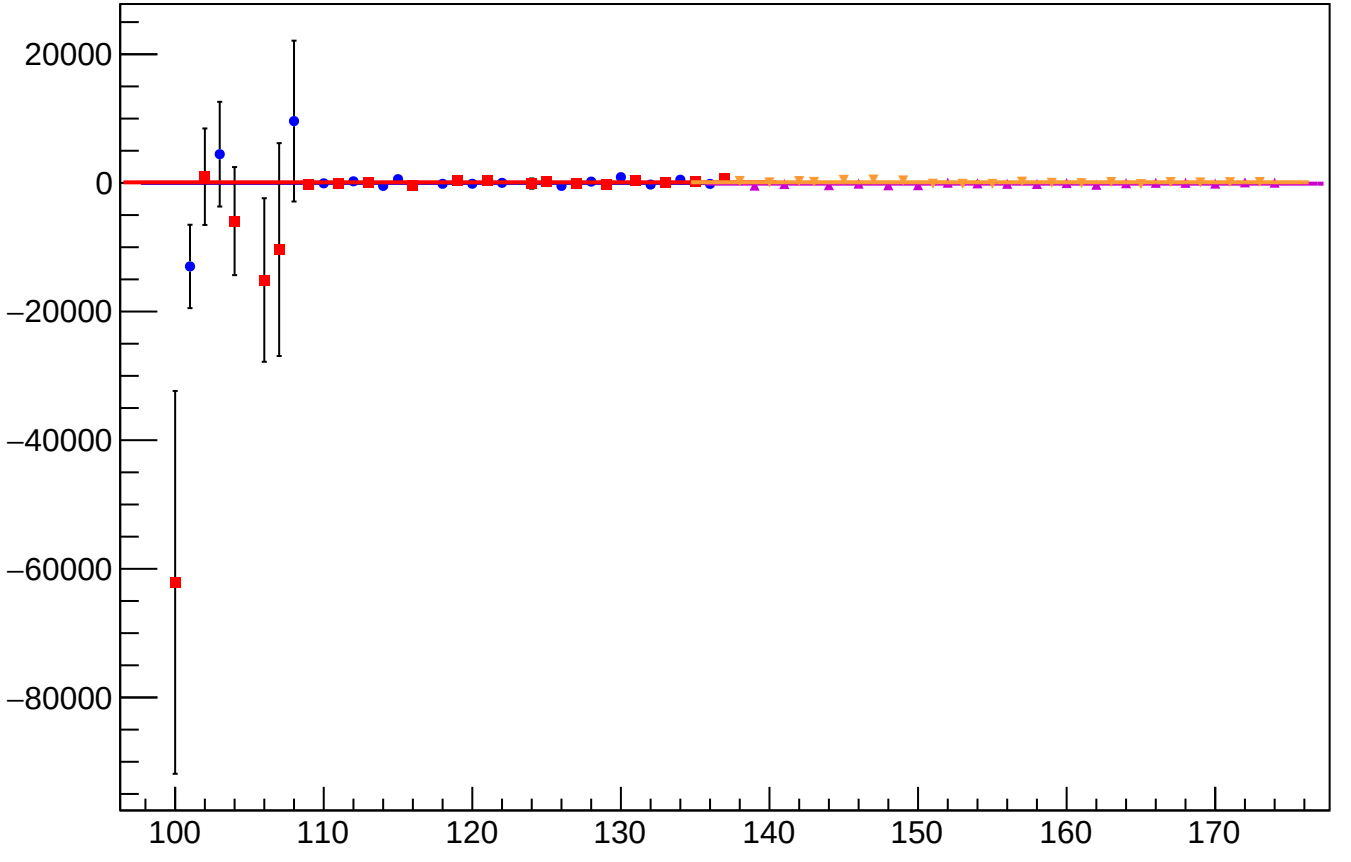
Left In: 362.211+/-0.067 χ^2/NDF:325410.0/17

+ sign 2.660+/-0.002 χ^2/NDF: 40951689.9/34

All: 2.641+/-0.001 χ^2/NDF: 81294425.3/71

- sign 2.624+/-0.001 χ^2/NDF: 40342438.3/36

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 100.906+/-59.702 χ^2/NDF:8.3/18

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

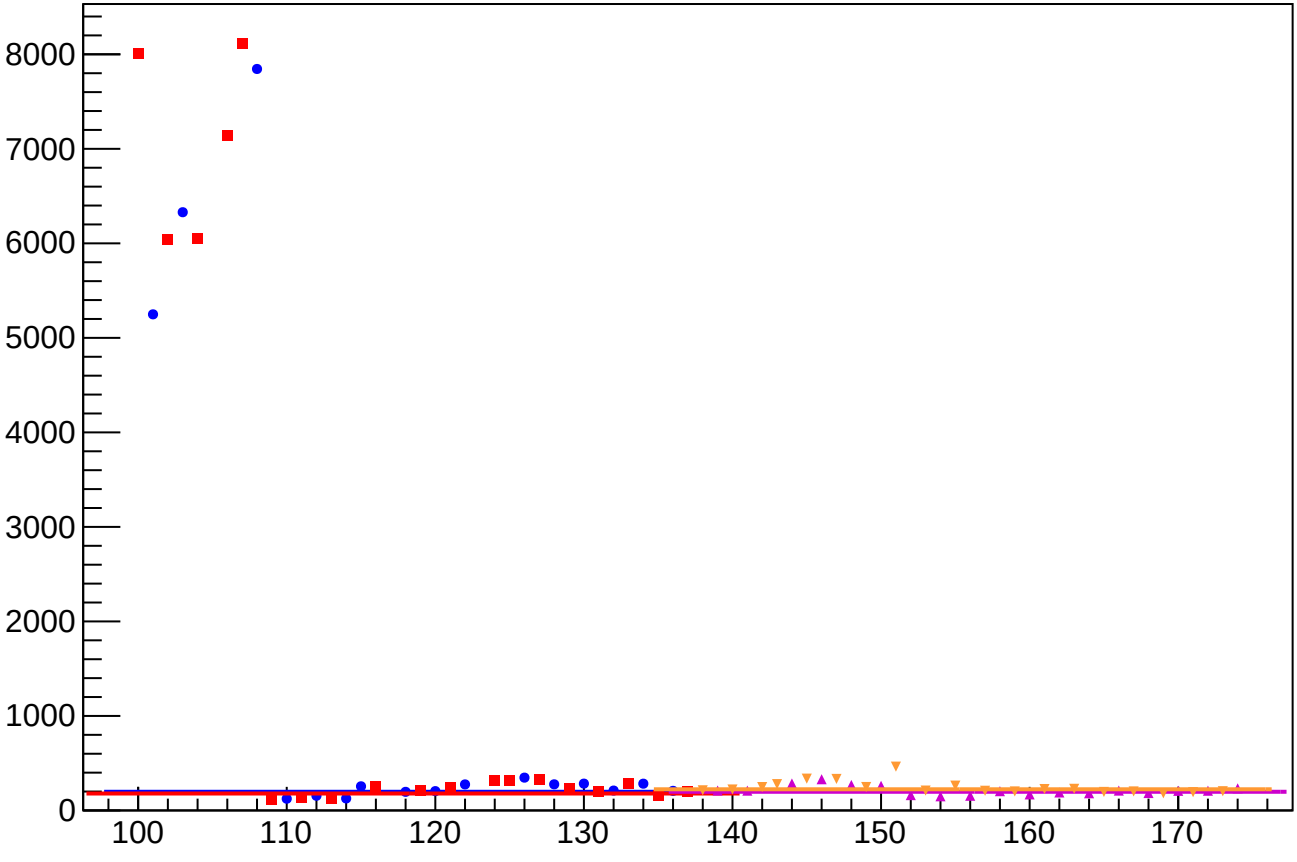
Left In: -115.826+/-53.408 χ^2/NDF:7.2/17

+ sign 69.194+/-49.374 χ^2/NDF: 26.1/34

All: 1.104+/-33.132 χ^2/NDF: 55.9/71

- 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: 224.004+/-0.042 χ^2/NDF:1139525.1/18

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

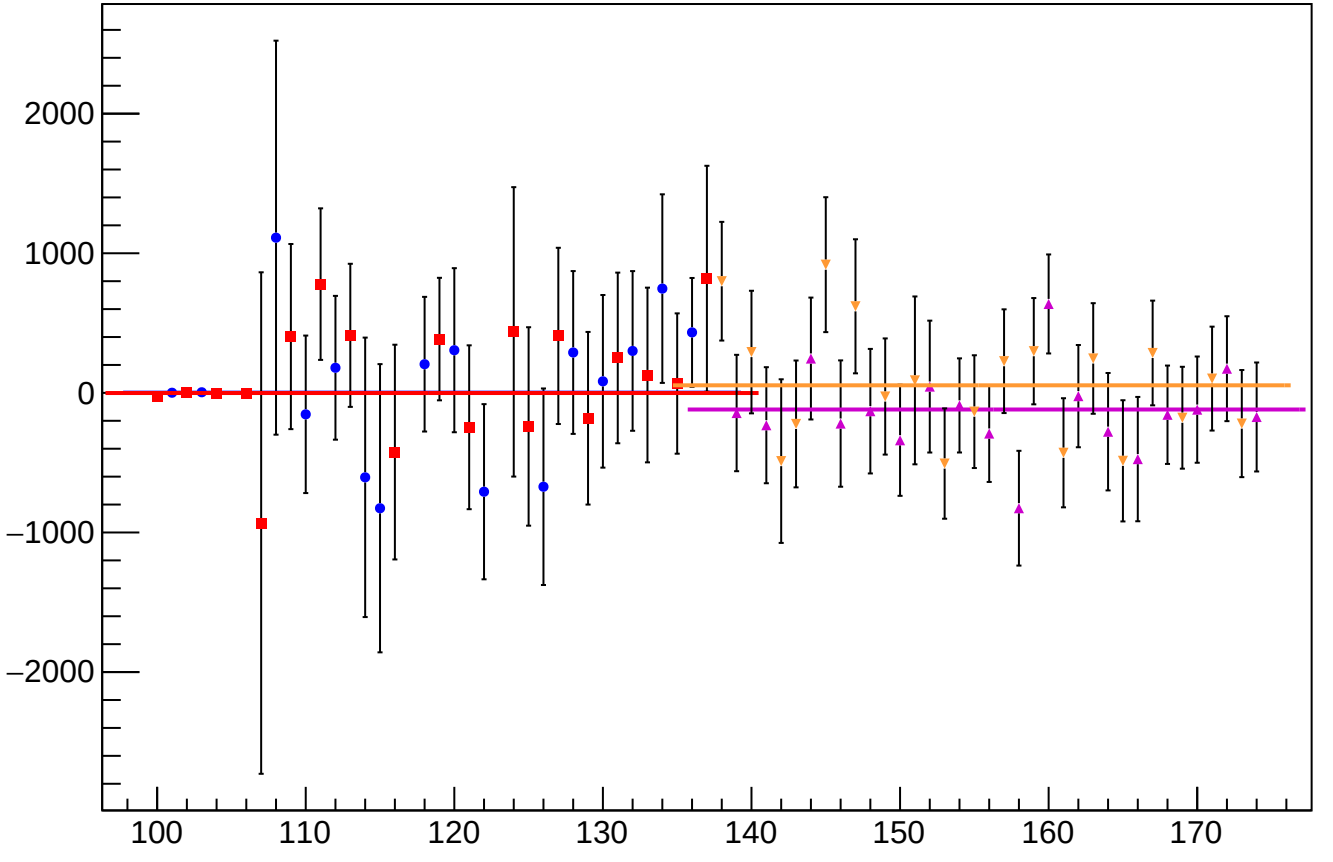
Left In: 197.647+/-0.038 χ^2/NDF:1136807.3/17

+ sign 215.665+/-0.035 χ^2/NDF: 5220176.4/34

All: 202.728+/-0.023 χ^2/NDF: 11096362.5/71

- 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: 54.162+/-95.701 χ^2/NDF:16.7/18

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

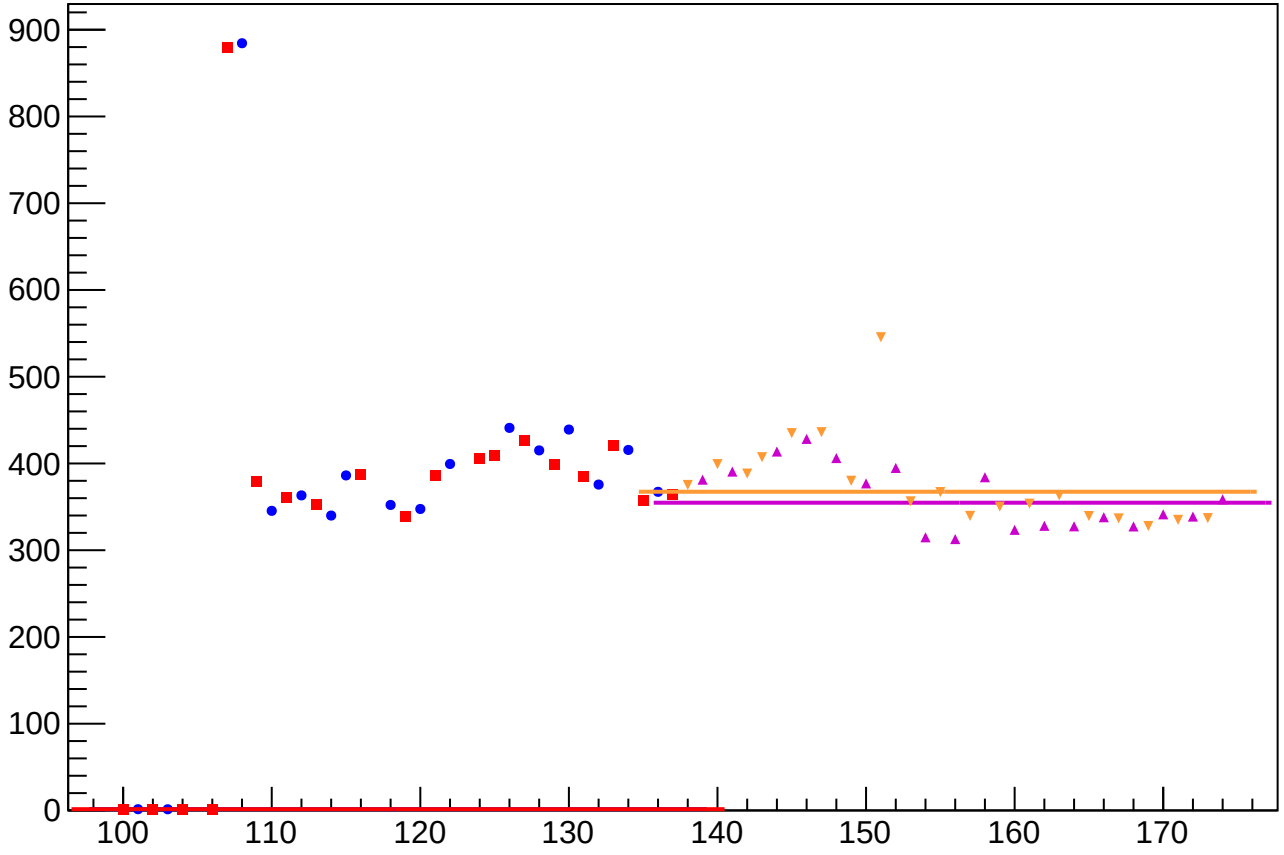
Left In: -119.122+/-93.152 χ^2/NDF:10.5/17

+ sign 1.471+/-1.660 χ^2/NDF: 24.9/34

All: 0.065+/-1.124 χ^2/NDF: 47.5/71

- 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: 367.414+/-0.068 χ^2/NDF:378829.3/18

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

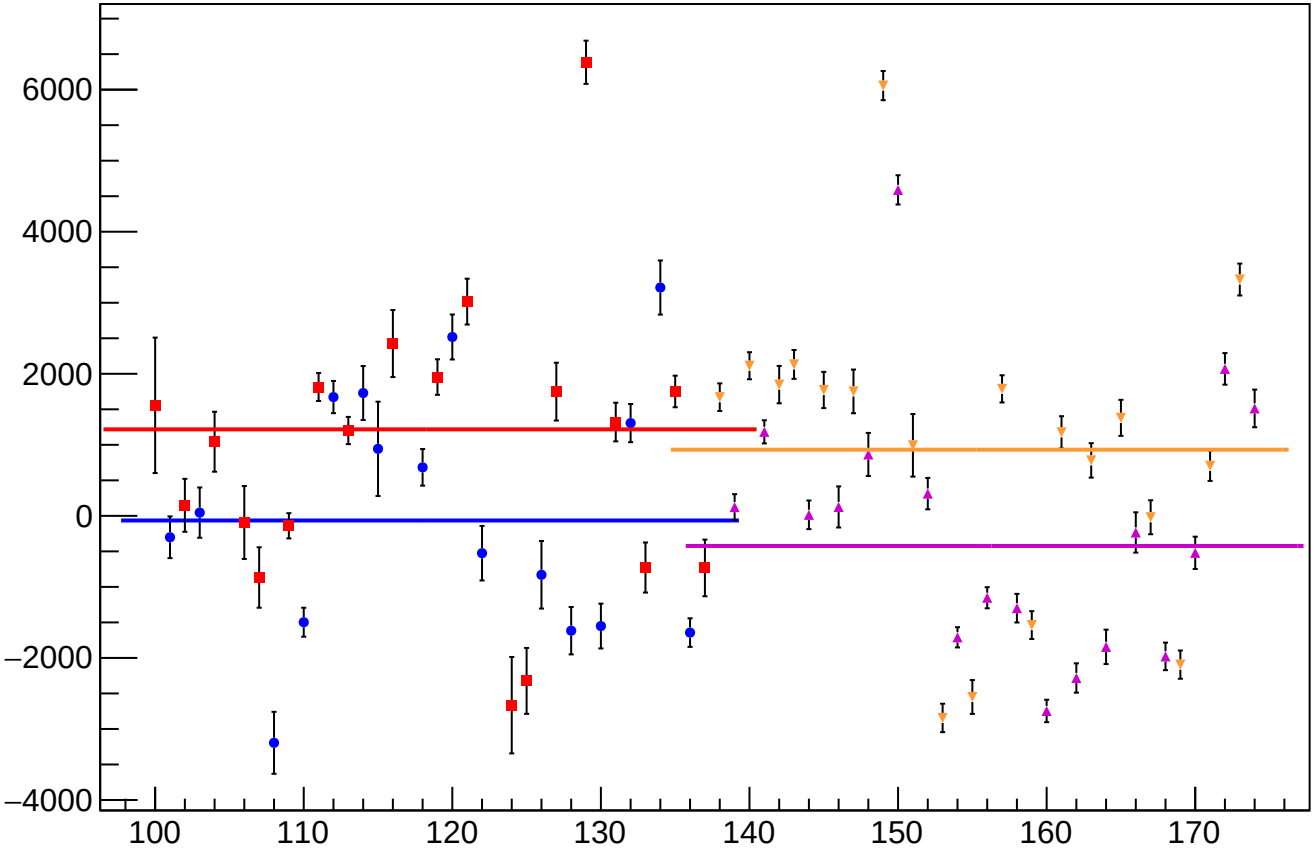
Left In: 354.751+/-0.066 χ^2/NDF:282771.1/17

+ sign 1.580+/-0.001 χ^2/NDF: 41348829.7/34

All: 1.570+/-0.001 χ^2/NDF: 81661204.0/71

- sign 1.562+/-0.001 χ^2/NDF: 40312245.3/36

asym_bcm0l02_mean vs Slug



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 931.558+/-51.294 χ^2/NDF:1857.5/18

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

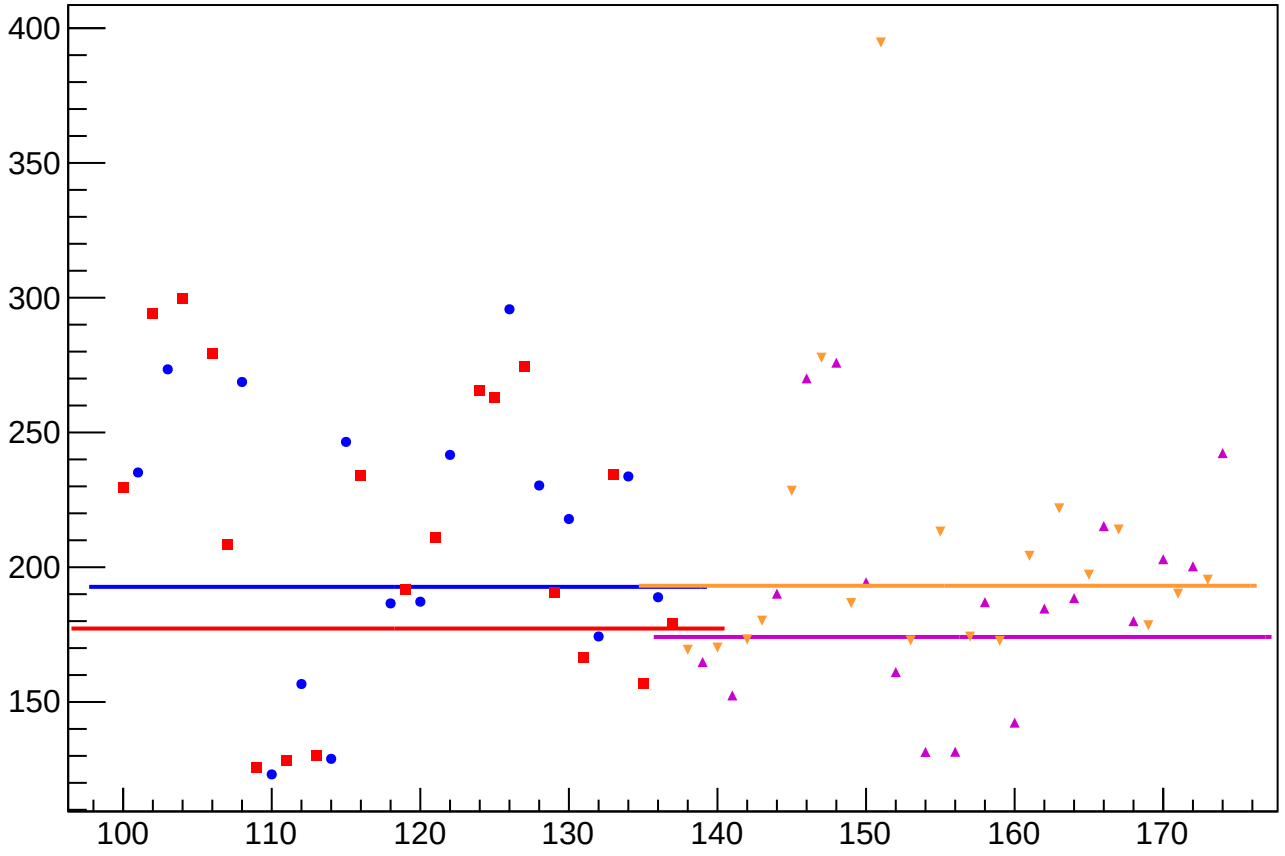
Left In: -423.896+/-47.030 χ^2/NDF:1436.8/17

+ sign 613.364+/-42.320 χ^2/NDF: 2447.5/34

All: 333.053+/-28.626 χ^2/NDF: 4946.1/71

- 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: 193.131+/-0.036 χ^2/NDF:824456.5/18

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

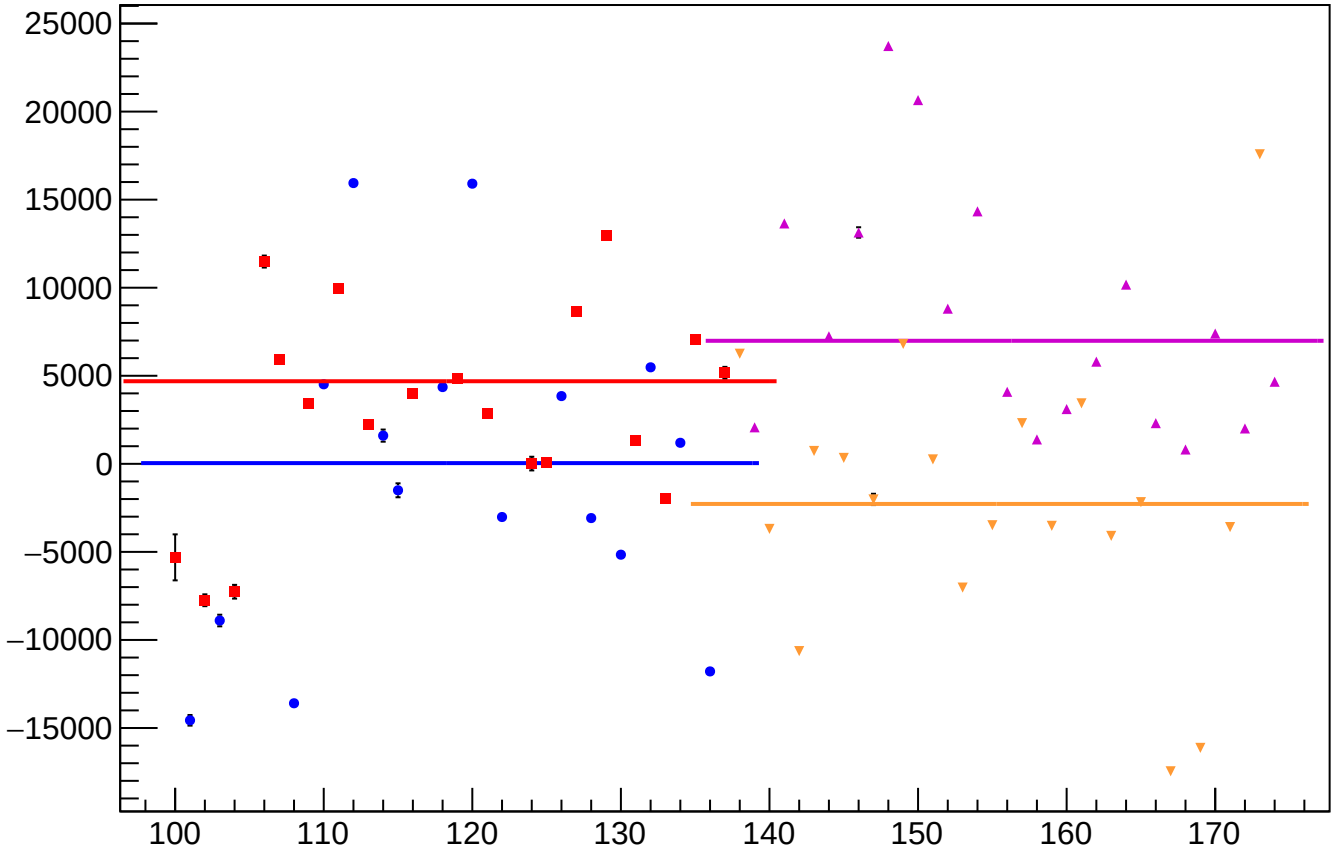
Left In: 174.127+/-0.033 χ^2/NDF:1207163.0/17

+ sign 193.000+/-0.030 χ^2/NDF: 1583644.0/34

All: 183.299+/-0.020 χ^2/NDF: 4213499.3/71

- sign 175.118+/-0.027 χ^2/NDF: 2436141.9/36

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -2277.471+/-44.364 χ^2/NDF:30489.5/18

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

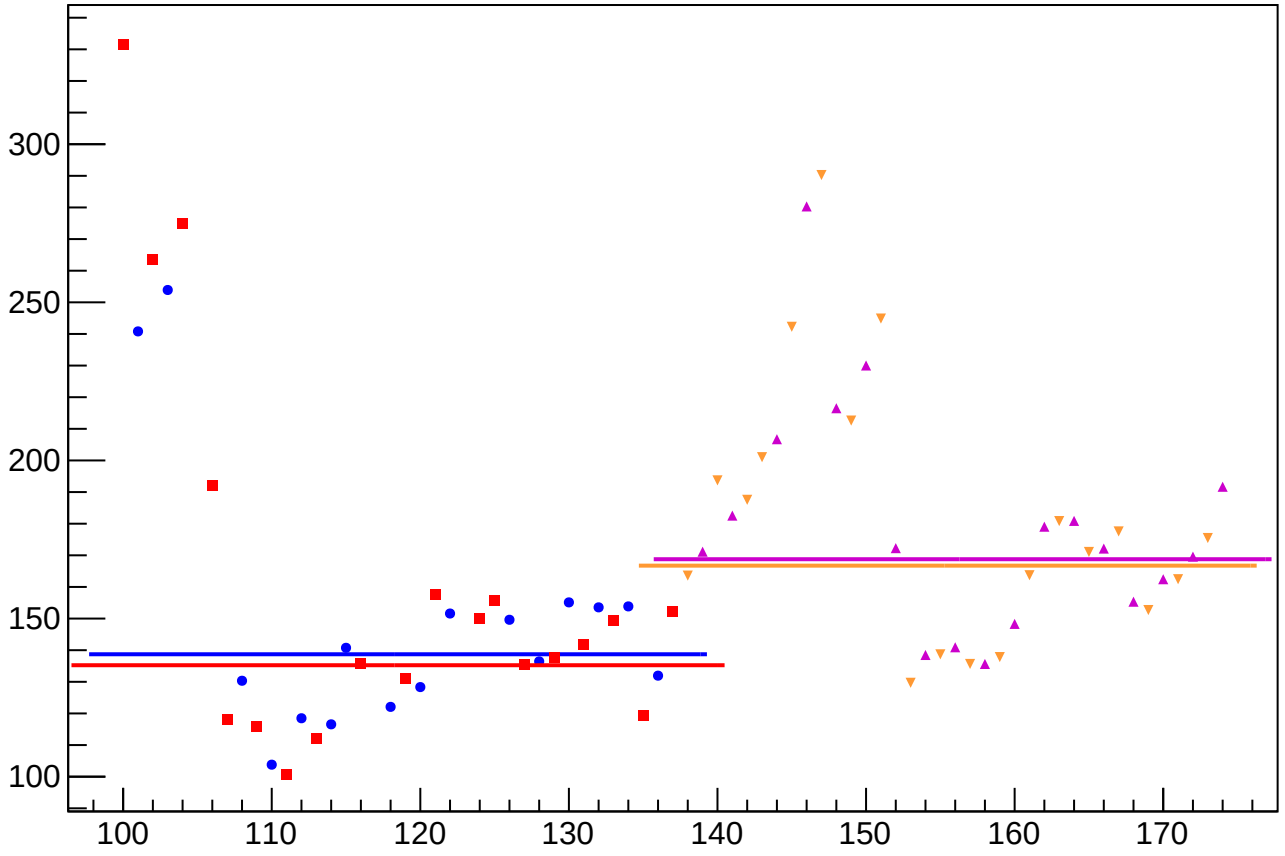
Left In: 6985.642+/-45.211 χ^2/NDF:17737.5/17

+ sign -1347.321+/-34.330 χ^2/NDF: 62371.5/34

All: 2345.798+/-24.209 χ^2/NDF: 112034.2/71

- 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: 166.735+/-0.031 χ^2/NDF:1162233.5/18

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

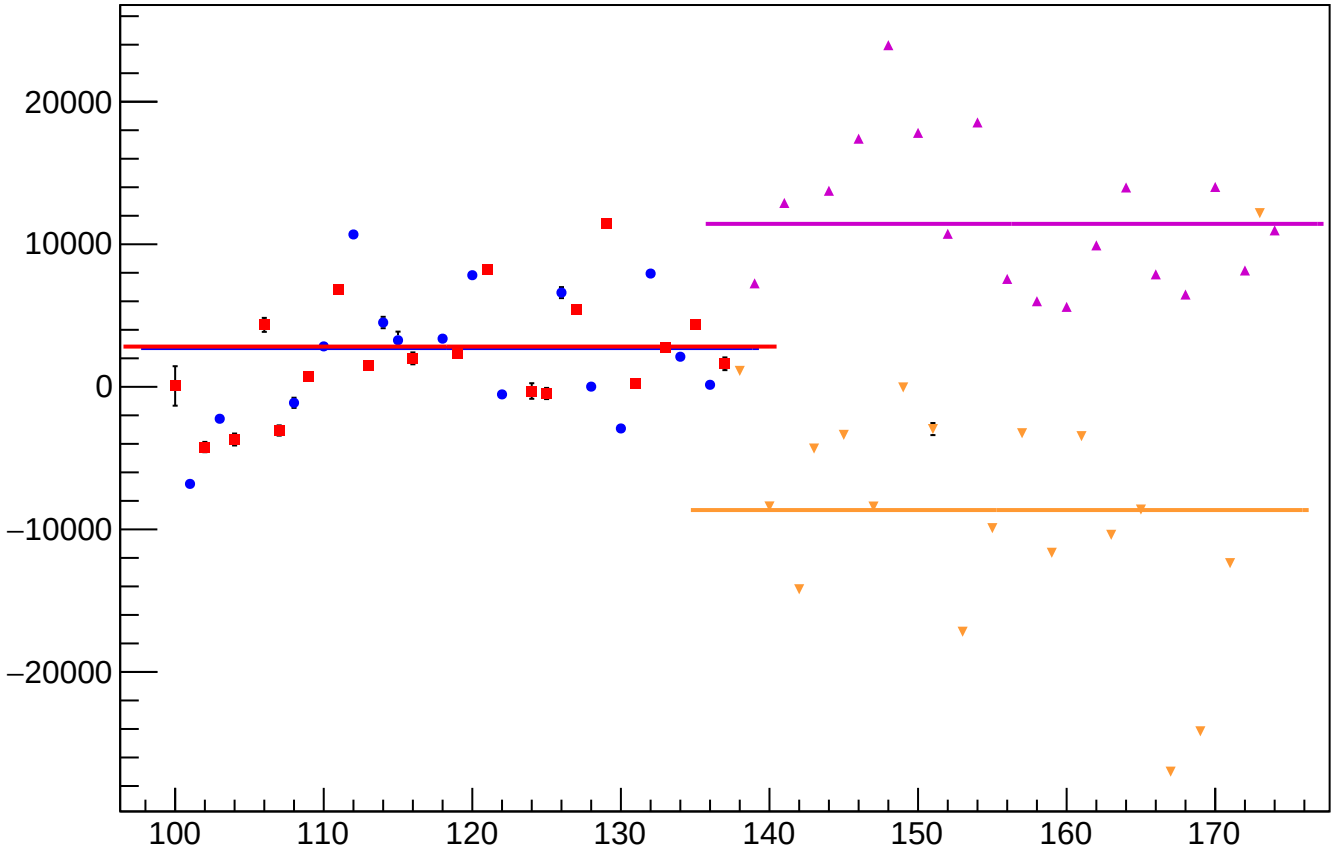
Left In: 168.767+/-0.032 χ^2/NDF:885471.2/17

+ sign 155.492+/-0.024 χ^2/NDF: 2140186.3/34

All: 154.926+/-0.017 χ^2/NDF: 4389123.6/71

- 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: -8643.625+/-51.892 χ^2/NDF:30626.6/18

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

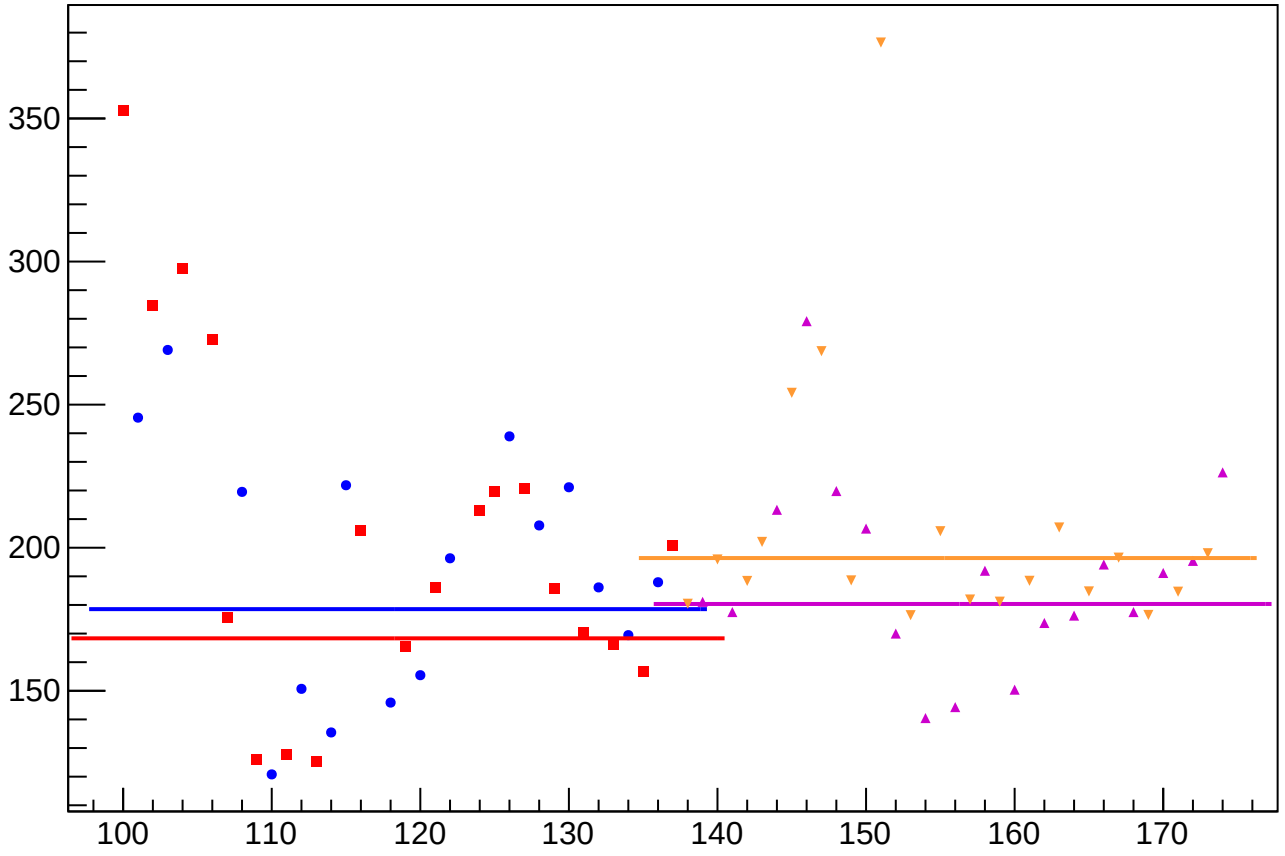
Left In: 11431.955+/-48.267 χ^2/NDF:10574.4/17

+ sign -4557.065+/-41.526 χ^2/NDF: 52000.8/34

All: 2354.453+/-28.319 χ^2/NDF: 128761.5/71

- 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: 196.391+/-0.037 χ^2/NDF:664186.8/18

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

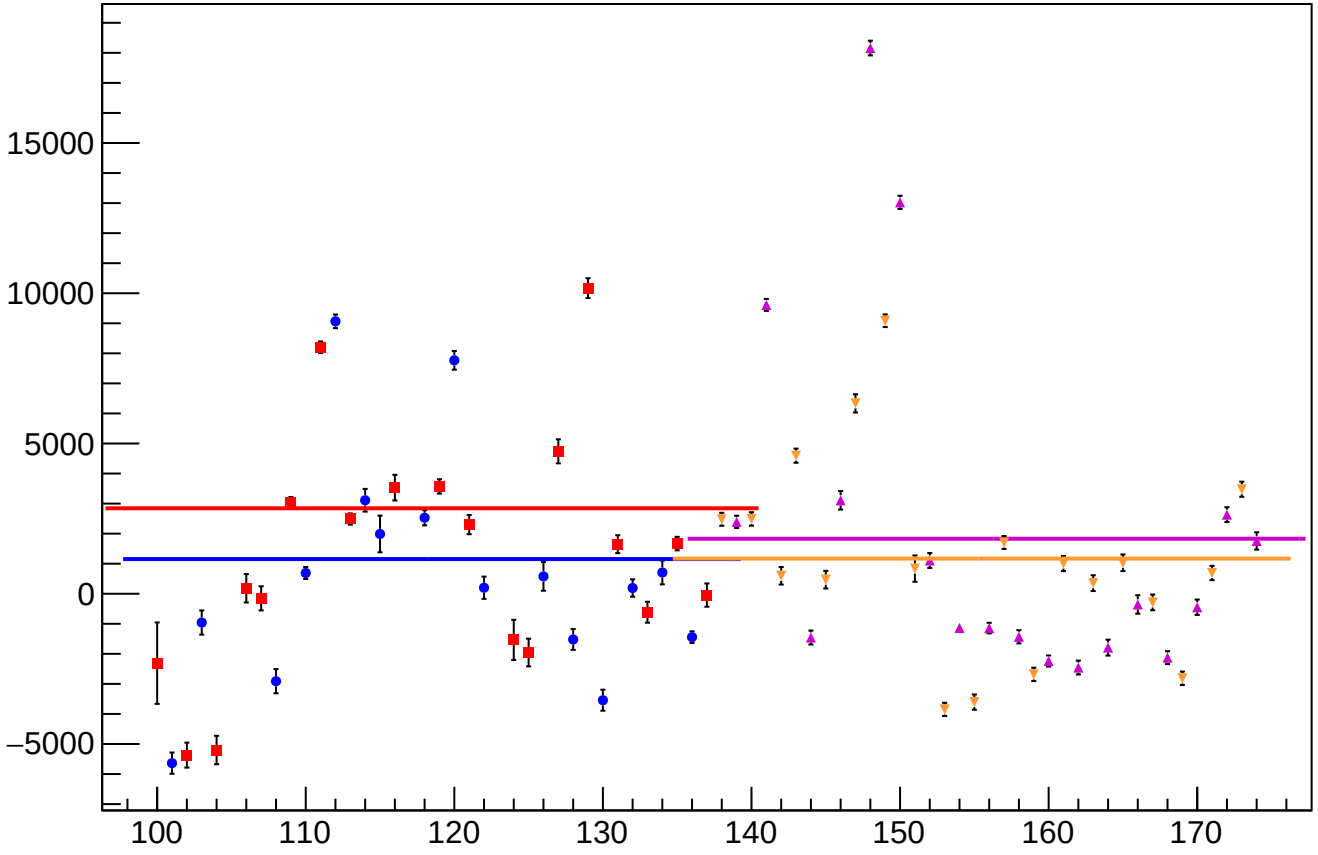
Left In: 180.343+/-0.034 χ^2/NDF:750646.8/17

+ sign 189.972+/-0.029 χ^2/NDF: 1423856.1/34

All: 182.531+/-0.020 χ^2/NDF: 3318153.7/71

- 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: 1170.262+/-56.763 χ^2/NDF:3615.3/18

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

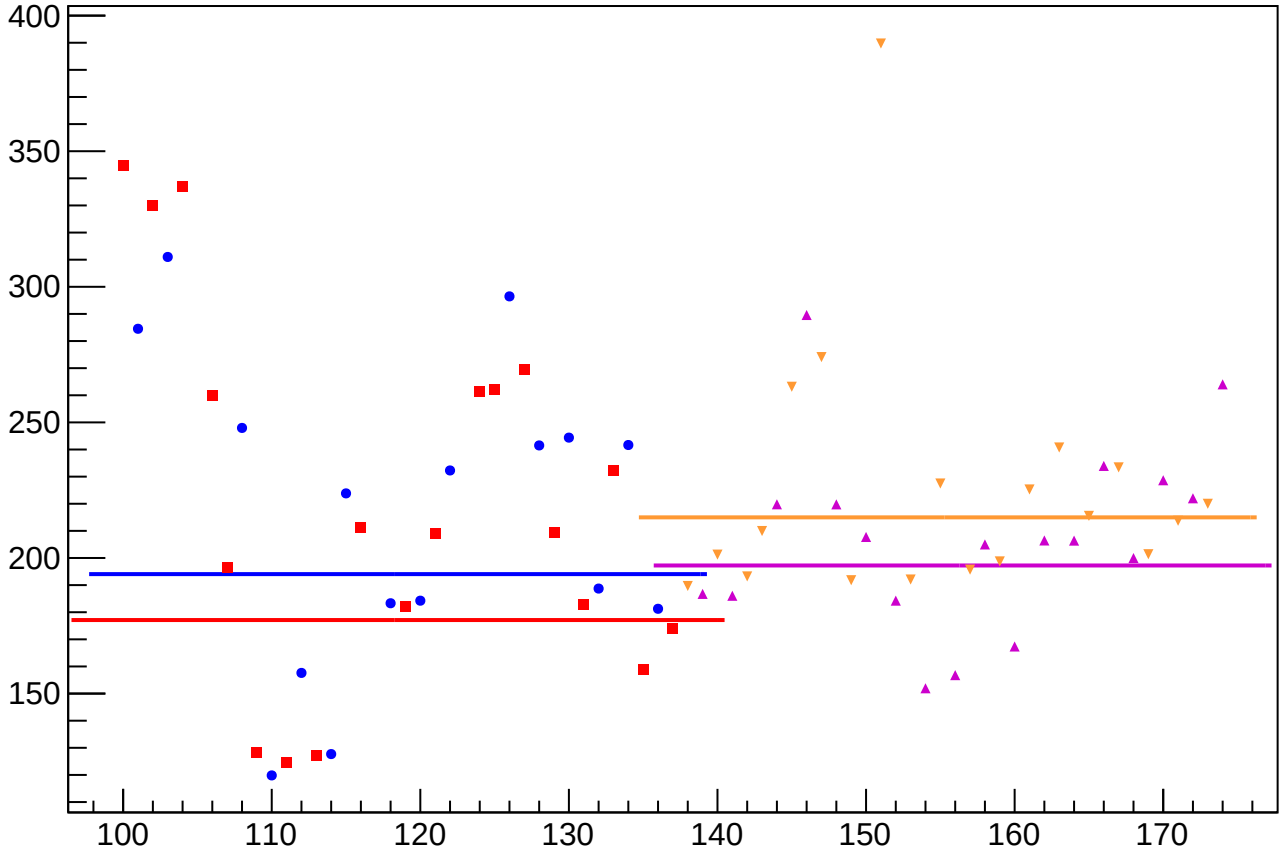
Left In: 1831.110+/-52.801 χ^2/NDF:11093.1/17

+ sign 1164.372+/-45.469 χ^2/NDF: 6270.6/34

All: 1725.909+/-30.838 χ^2/NDF: 20234.9/71

- 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: 214.980+/-0.040 χ^2/NDF:610829.4/18

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

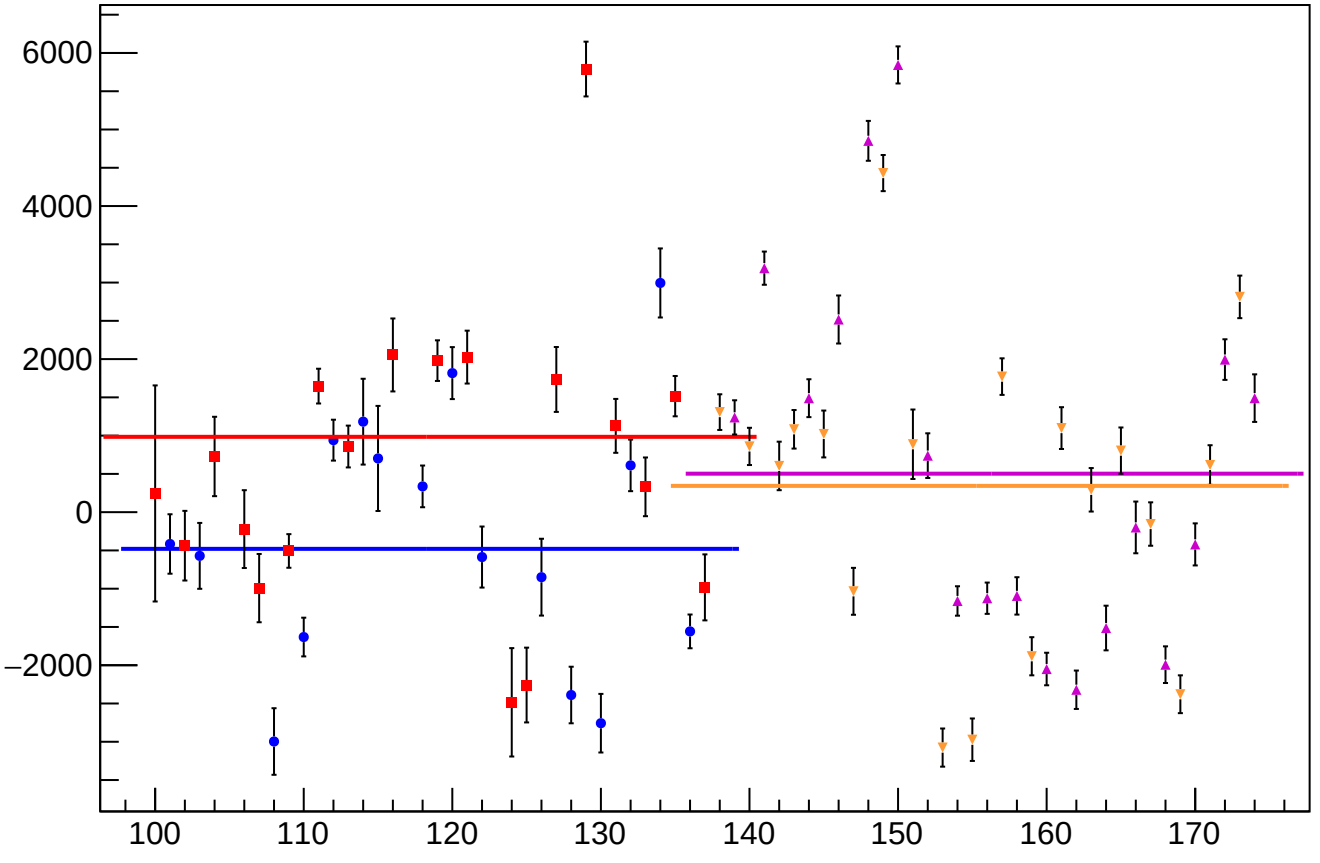
Left In: 197.238+/-0.037 χ^2/NDF:739507.2/17

+ sign 207.481+/-0.032 χ^2/NDF: 1674025.2/34

All: 197.946+/-0.022 χ^2/NDF: 4042736.8/71

- 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: 343.490+/-61.865 χ^2/NDF:1018.4/18

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

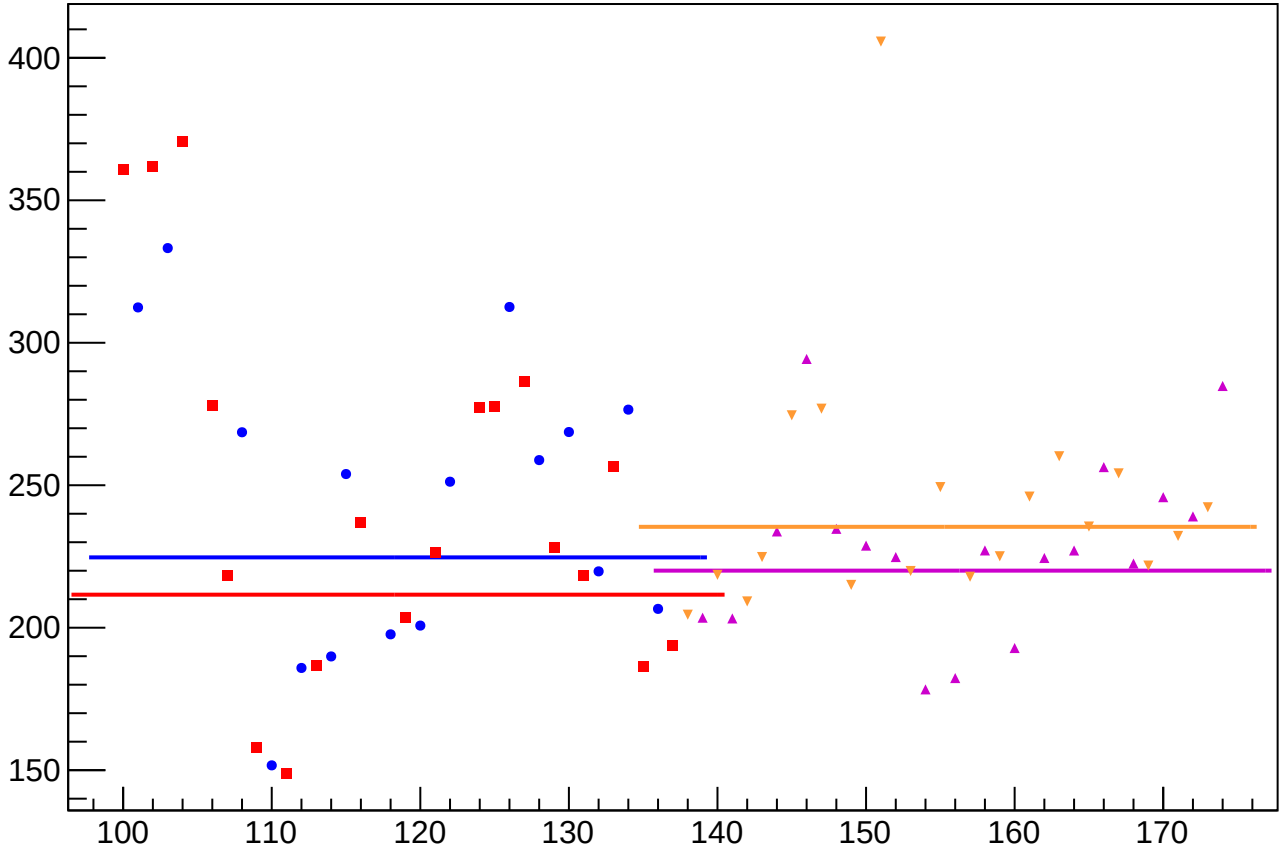
Left In: 502.811+/-58.448 χ^2/NDF:1651.7/17

+ sign 65.836+/-50.356 χ^2/NDF: 1383.5/34

All: 385.137+/-34.509 χ^2/NDF: 3532.5/71

- 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: 235.406+/-0.044 χ^2/NDF:489175.1/18

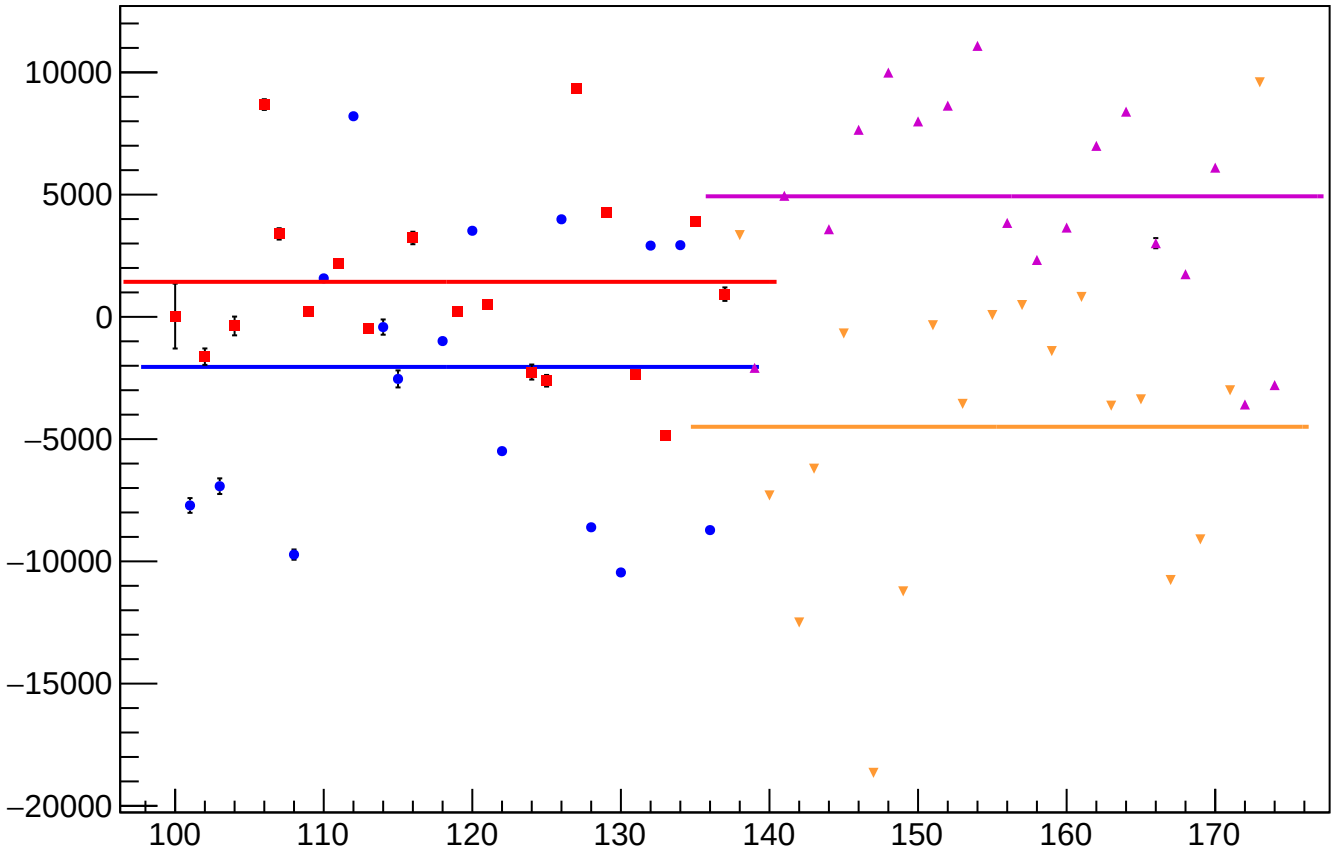
Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 220.031+/-0.041 χ^2/NDF:486916.4/17

+ sign 231.787+/-0.036 χ^2/NDF: 1162644.5/34

All: 224.019+/-0.024 χ^2/NDF: 2686486.3/71

- sign 217.140+/-0.034 χ^2/NDF: 1434097.1/36



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4495.353+/-32.740 χ^2/NDF:37947.0/18

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

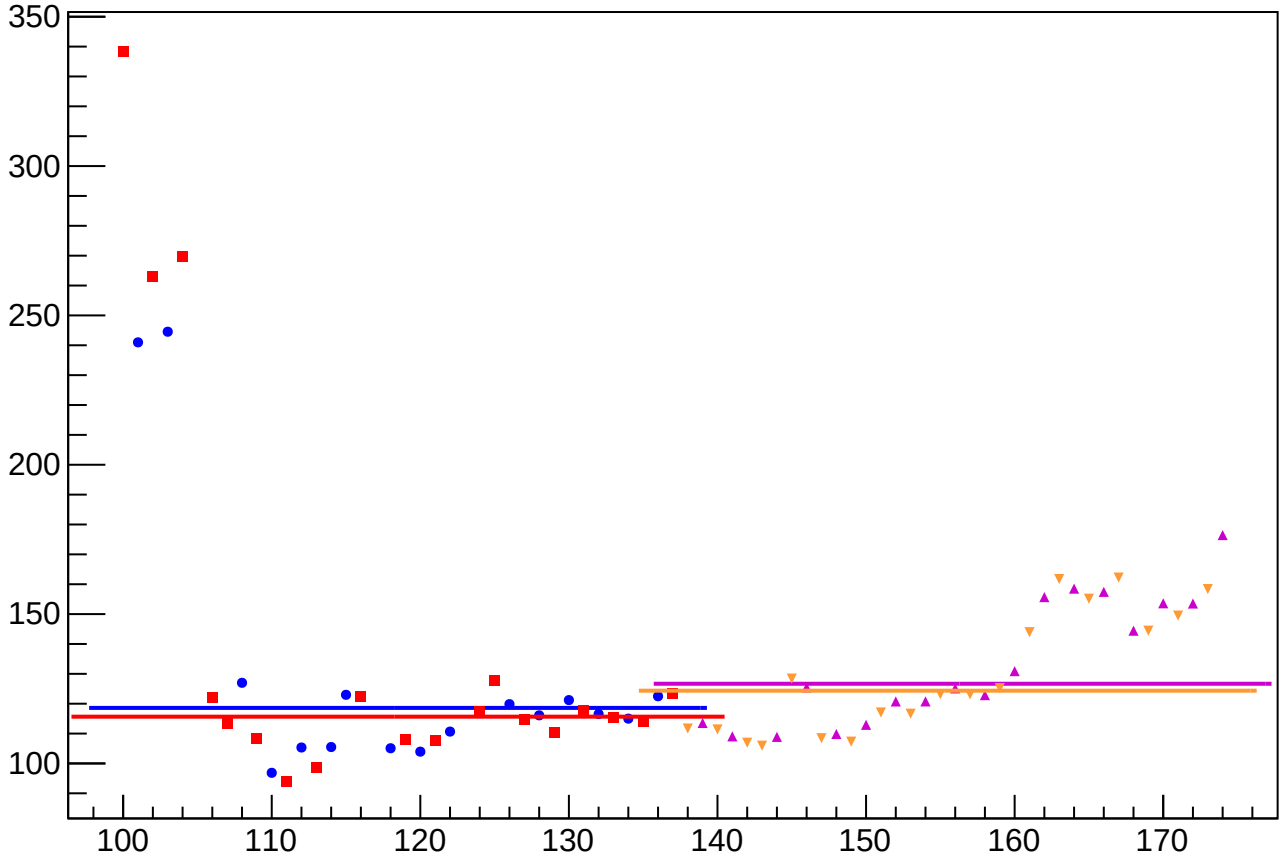
Left In: 4930.863+/-33.492 χ^2/NDF:14639.5/17

+ sign -3689.131+/-26.812 χ^2/NDF: 56497.5/34

All: -7.080+/-18.958 χ^2/NDF: 119156.9/71

- 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: 124.360+/-0.023 χ^2/NDF:604298.2/18

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

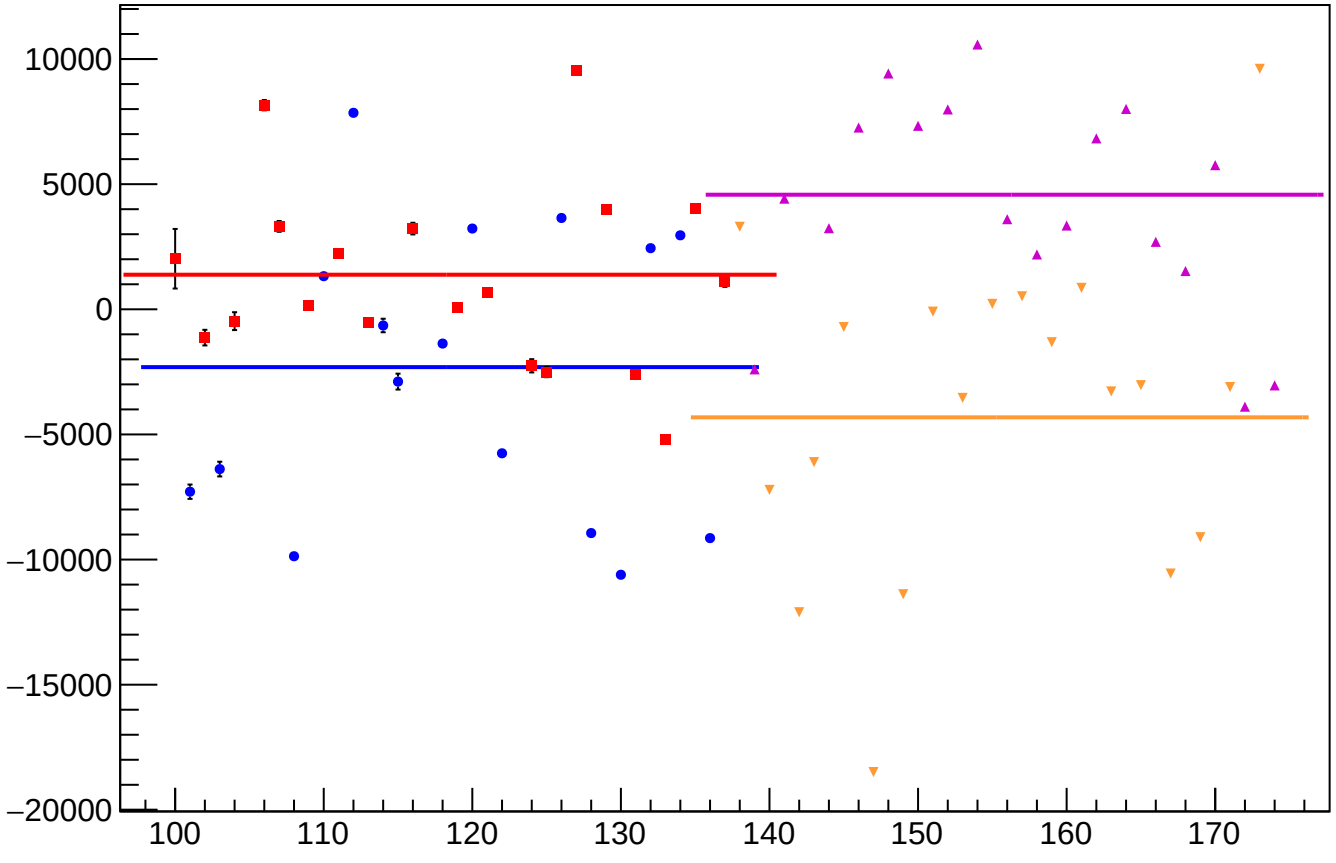
Left In: 126.681+/-0.024 χ^2/NDF:595082.8/17

\+ sign 122.462+/-0.019 χ^2/NDF: 1358872.8/34

All: 122.592+/-0.013 χ^2/NDF: 2896064.8/71

\- sign 122.722+/-0.019 χ^2/NDF: 1537098.0/36

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4317.125+/-29.423 χ^2/NDF:45444.8/18

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

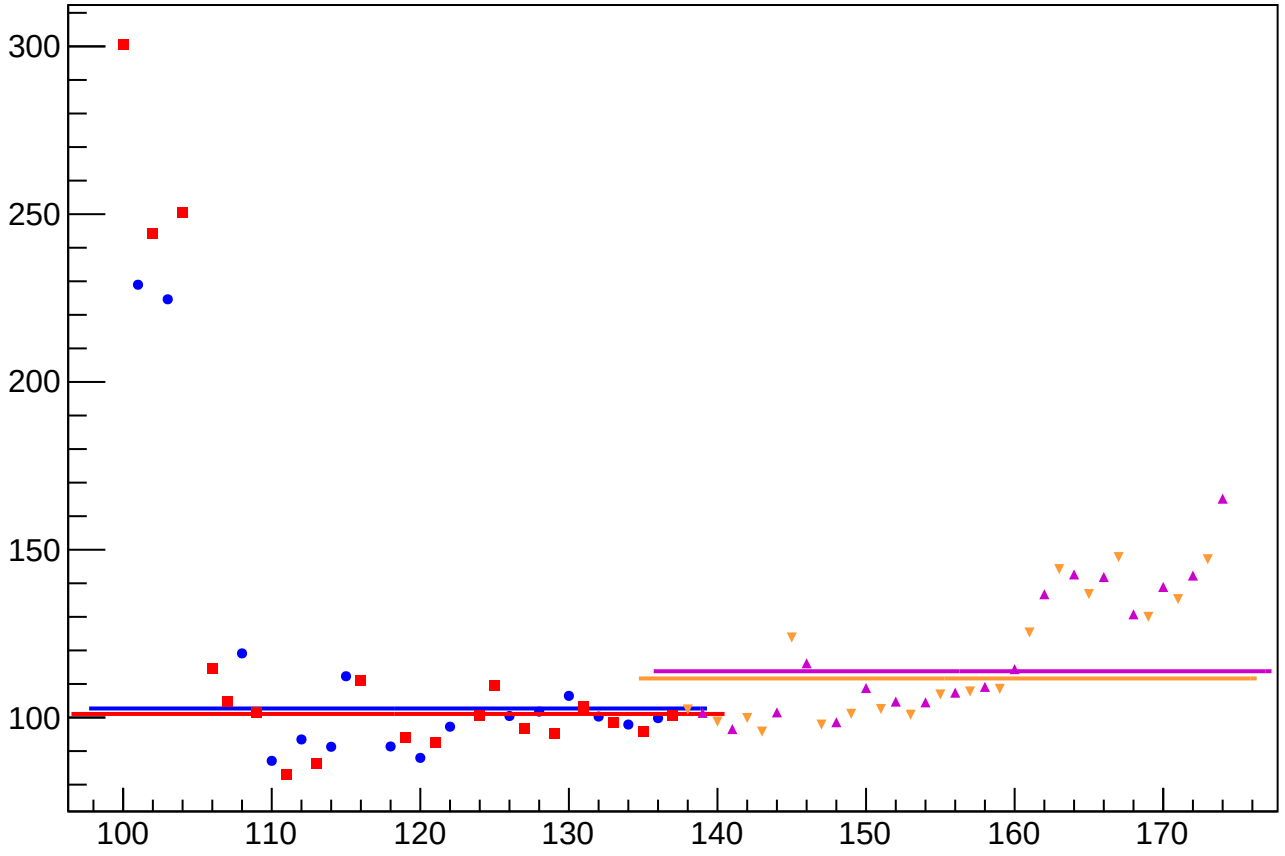
Left In: 4578.491+/-30.131 χ^2/NDF:17084.1/17

+ sign -3629.164+/-23.852 χ^2/NDF: 68718.8/34

All: -126.444+/-16.890 χ^2/NDF: 141800.7/71

- 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: 111.644+/-0.021 χ^2/NDF:608186.6/18

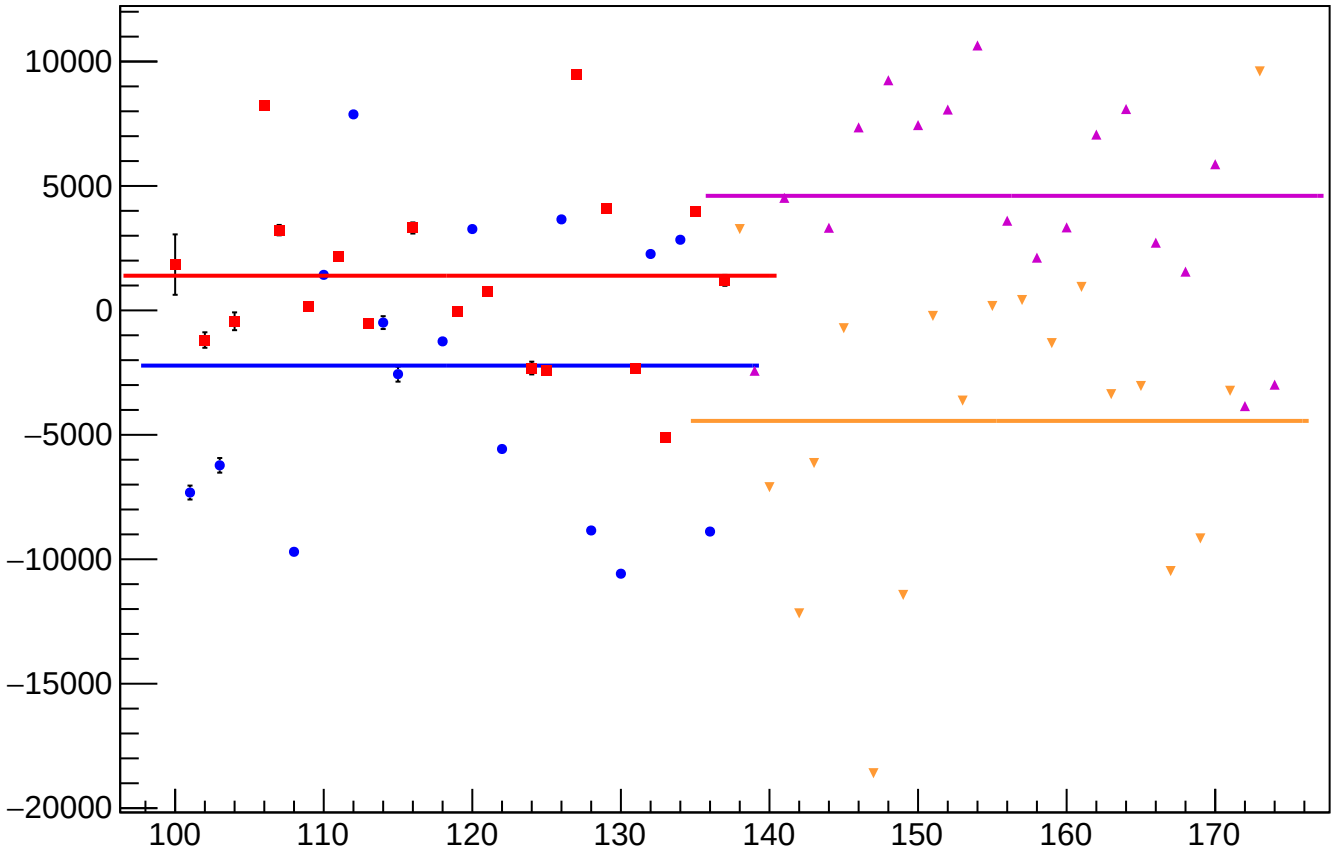
Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 113.795+/-0.021 χ^2/NDF:629322.1/17

+ sign 108.576+/-0.017 χ^2/NDF: 1497444.8/34

All: 108.831+/-0.012 χ^2/NDF: 3189703.4/71

- 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: -4440.195+/-28.795 χ^2/NDF:48853.9/18

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

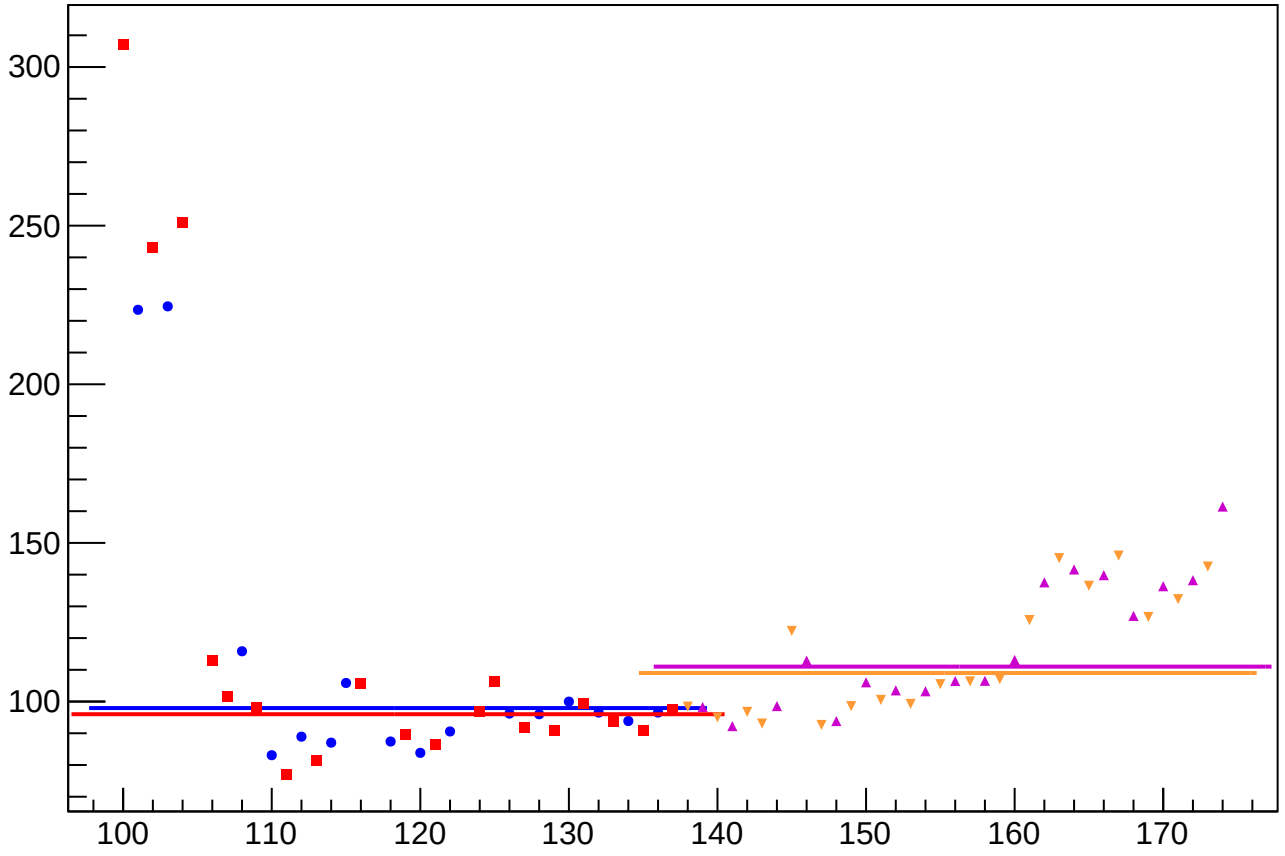
Left In: 4603.169+/-29.456 χ^2/NDF:18047.4/17

+ sign -3657.196+/-23.173 χ^2/NDF: 73993.0/34

All: -139.263+/-16.390 χ^2/NDF: 151822.5/71

- 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: 109.000+/-0.020 χ^2/NDF:677619.8/18

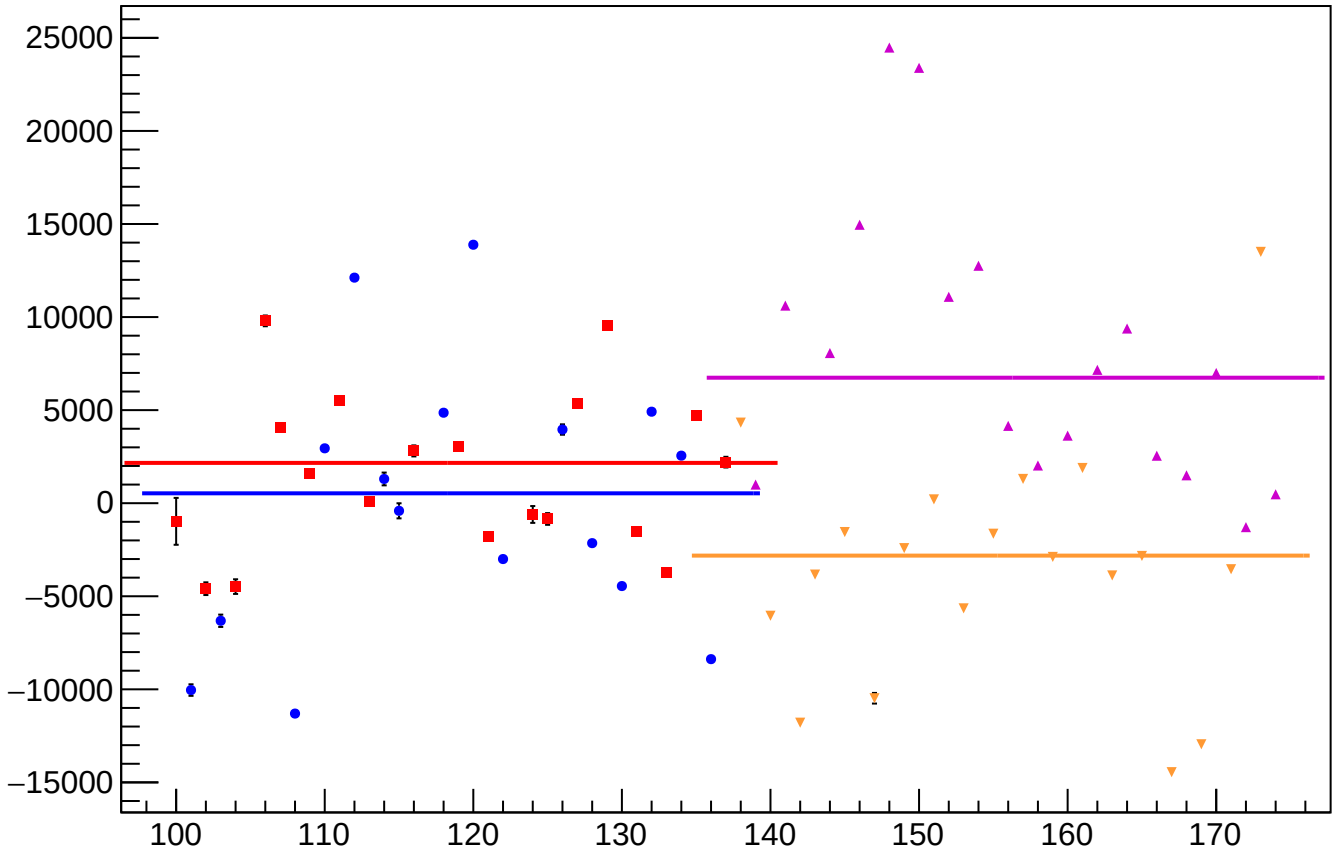
Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 111.004+/-0.021 χ^2/NDF:680852.4/17

+ sign 105.104+/-0.016 χ^2/NDF: 1649653.9/34

All: 105.200+/-0.012 χ^2/NDF: 3540206.9/71

- sign 105.295+/-0.016 χ^2/NDF: 1890484.7/36



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2815.940+/-40.852 χ^2/NDF:21176.8/18

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

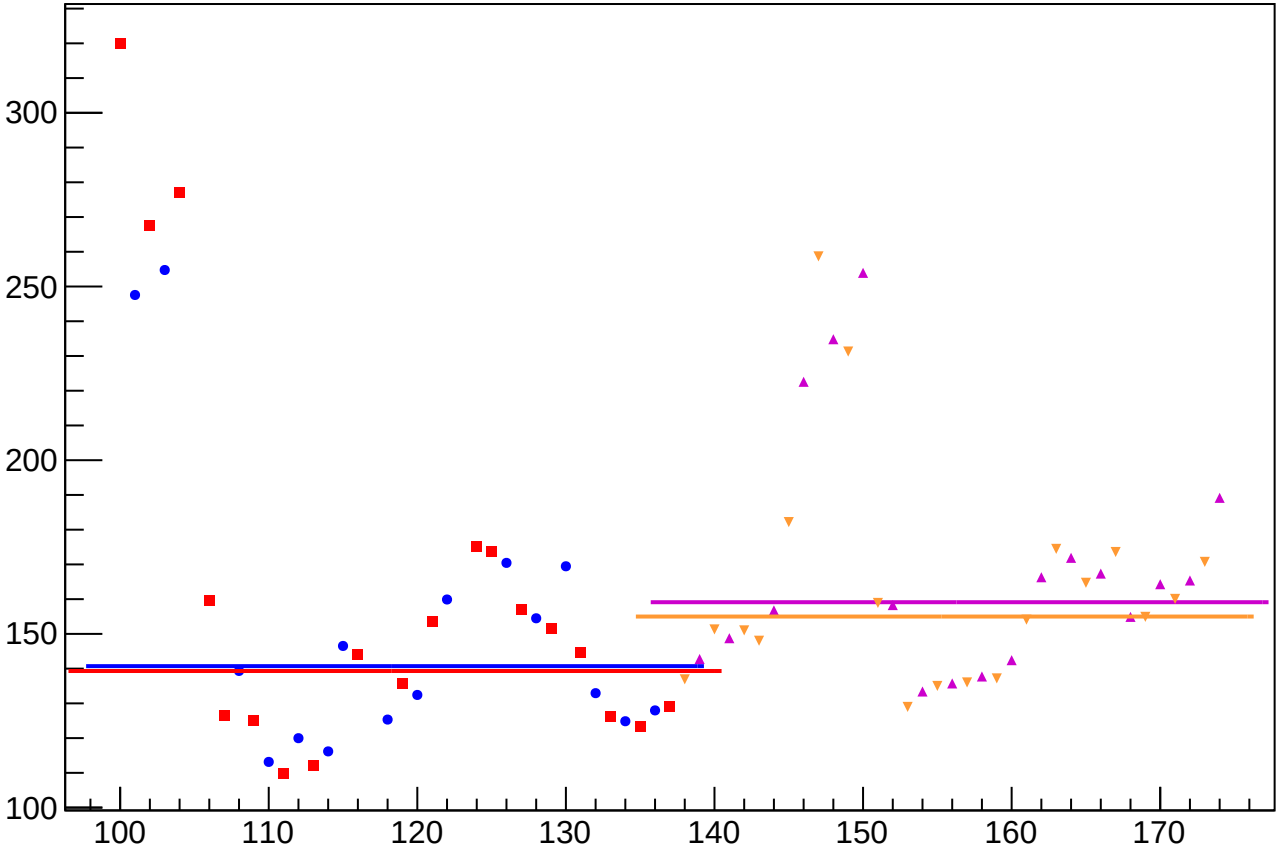
Left In: 6741.682+/-42.244 χ^2/NDF:19982.9/17

+ sign -1622.057+/-32.764 χ^2/NDF: 42158.5/34

All: 1642.024+/-23.301 χ^2/NDF: 91702.0/71

- 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: 154.995+/-0.029 χ^2/NDF:733838.9/18

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

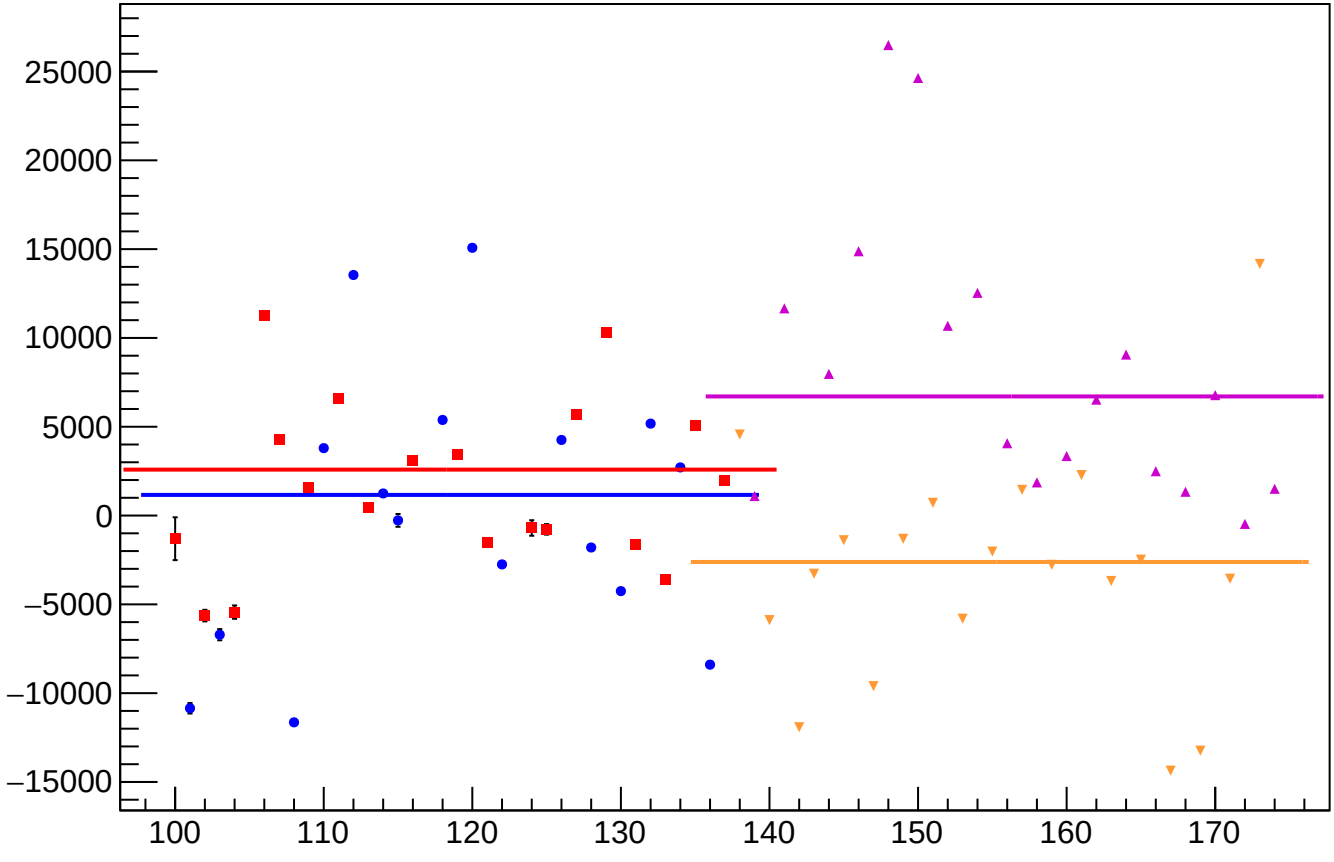
Left In: 159.121+/-0.030 χ^2/NDF:827542.4/17

+ sign 149.901+/-0.023 χ^2/NDF: 1496640.7/34

All: 150.695+/-0.016 χ^2/NDF: 3297849.4/71

- sign 151.508+/-0.023 χ^2/NDF: 1798829.3/36

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2613.501+/-36.232 χ^2/NDF:27145.3/18

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

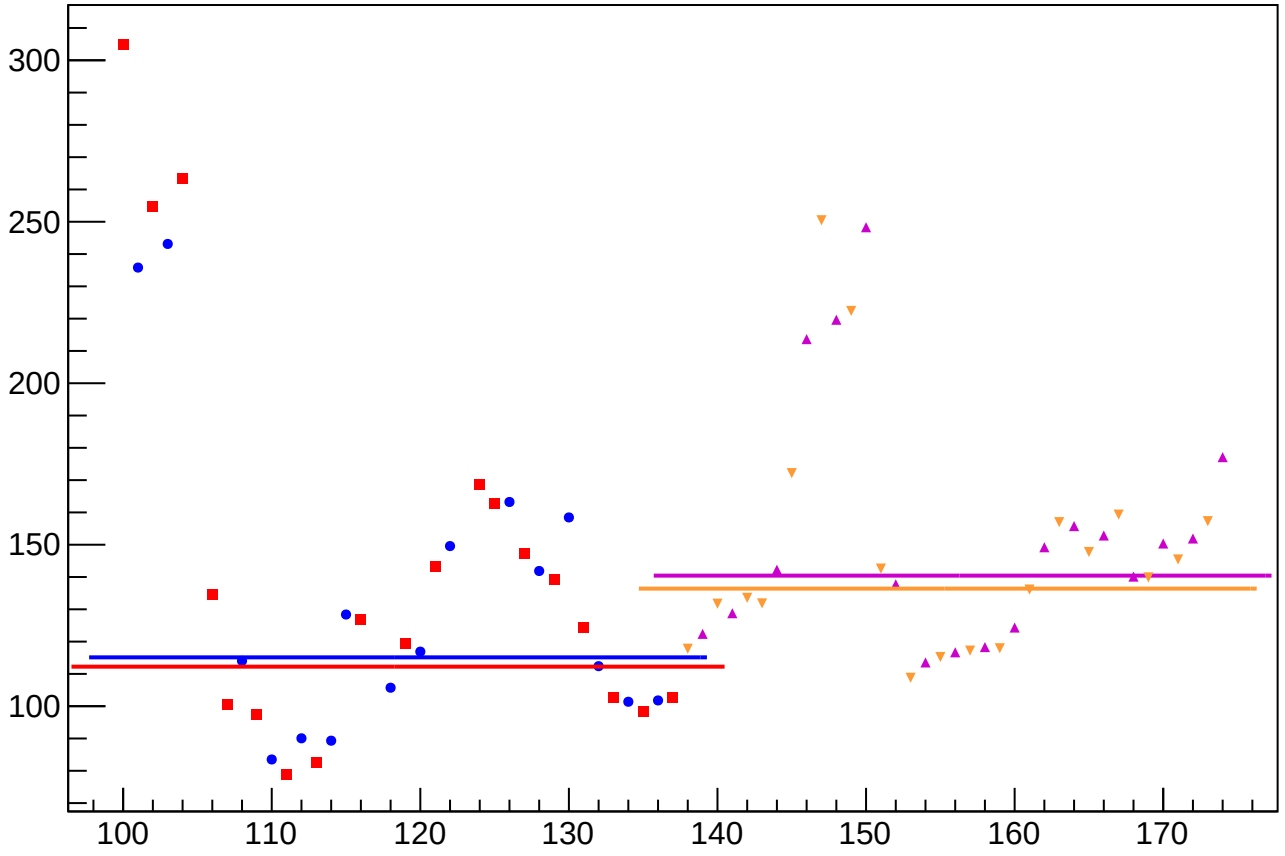
Left In: 6706.979+/-37.623 χ^2/NDF:25093.4/17

+ sign -1164.911+/-28.446 χ^2/NDF: 62066.9/34

All: 1883.278+/-20.191 χ^2/NDF: 123433.1/71

- 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: 136.407+/-0.026 χ^2/NDF:1050018.8/18

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

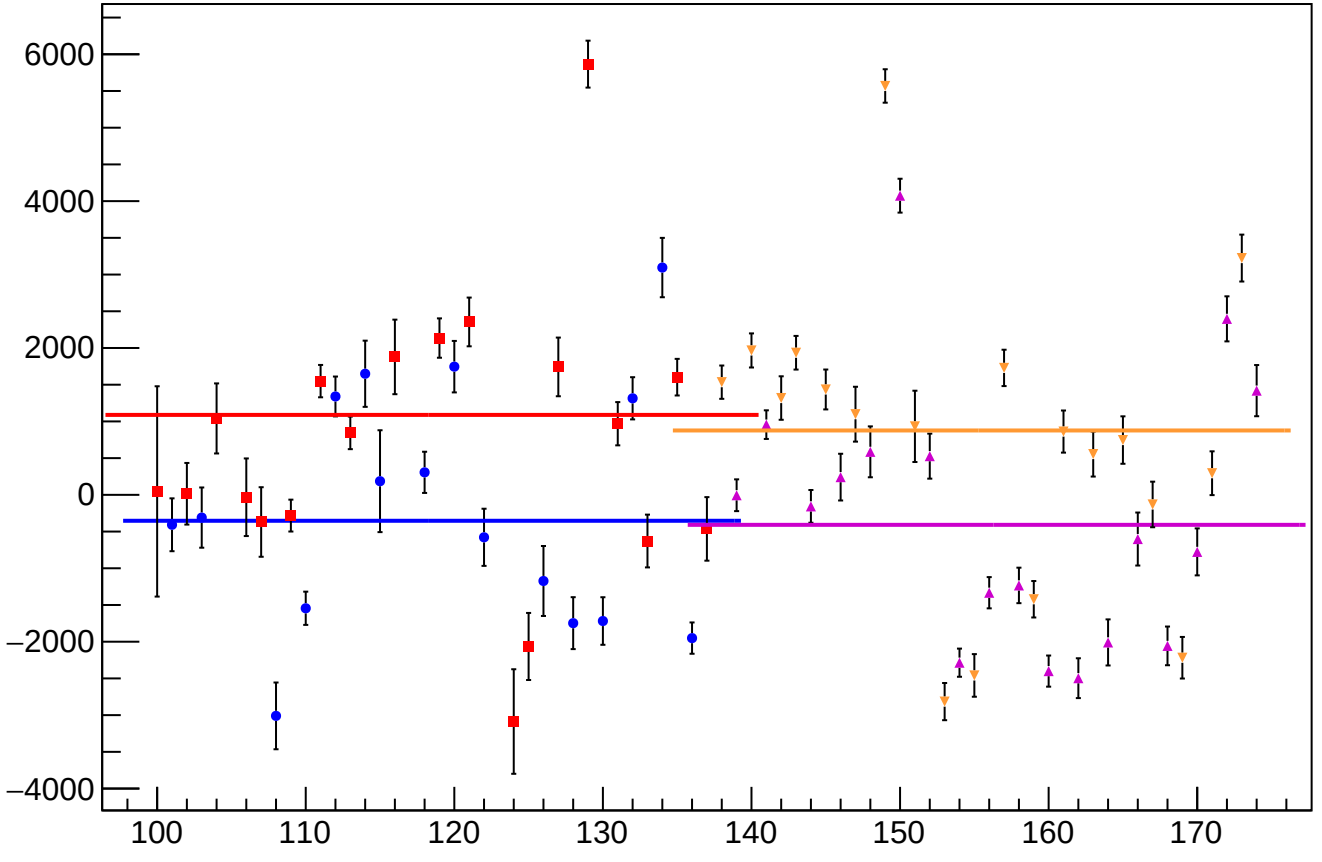
Left In: 140.430+/-0.027 χ^2/NDF:1164516.0/17

+ sign 128.244+/-0.020 χ^2/NDF: 2427680.1/34

All: 128.423+/-0.014 χ^2/NDF: 5391505.4/71

- 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: 876.702+/-63.372 χ^2/NDF:1114.4/18

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

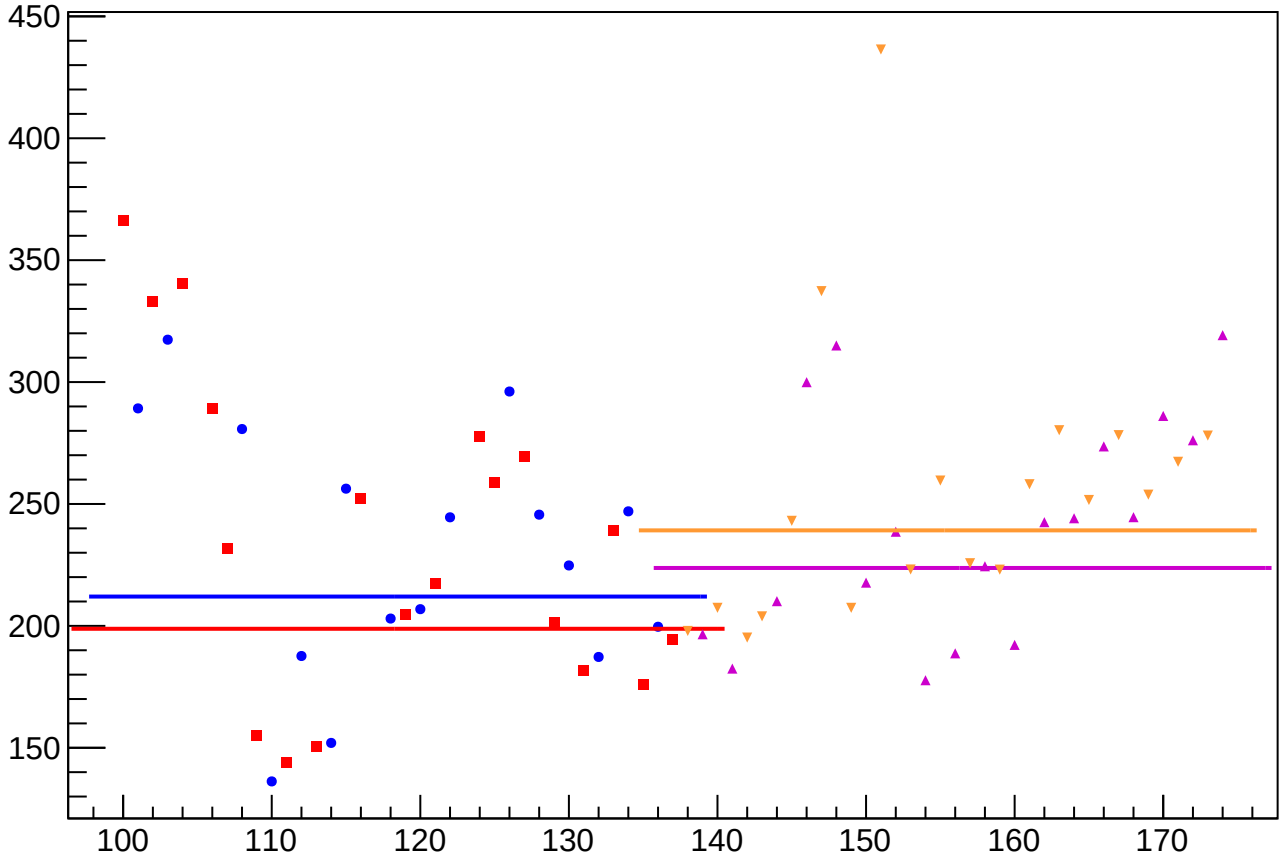
Left In: -408.522+/-59.919 χ^2/NDF:905.0/17

+ sign 417.786+/-50.174 χ^2/NDF: 1616.8/34

All: 281.603+/-34.363 χ^2/NDF: 3220.4/71

- 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: 239.173+/-0.045 χ^2/NDF:866914.9/18

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

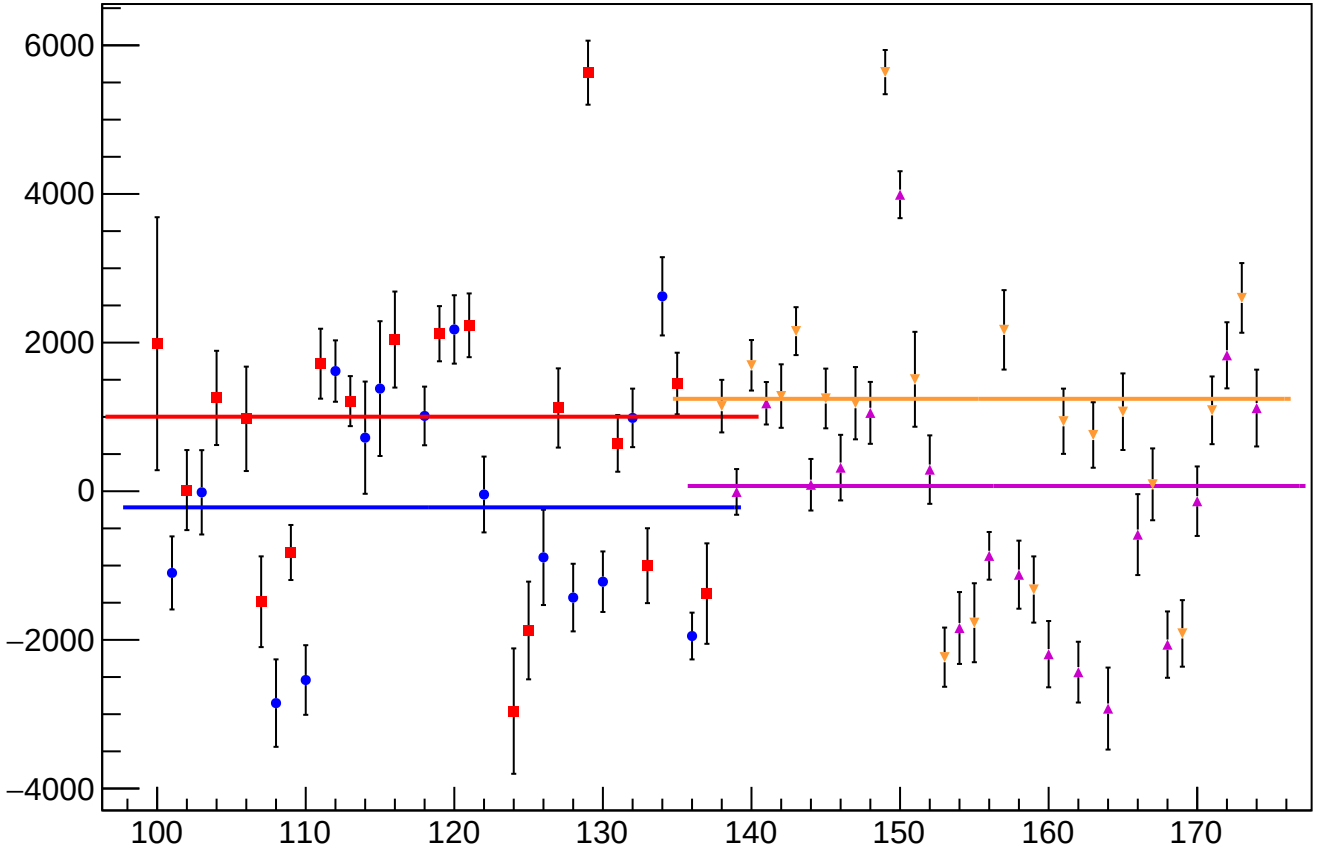
Left In: 223.754+/-0.042 χ^2/NDF:954842.5/17

+ sign 229.044+/-0.035 χ^2/NDF: 1694215.5/34

All: 221.195+/-0.024 χ^2/NDF: 3848086.2/71

- 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: 1243.660+/-96.644 χ^2/NDF:438.8/18

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

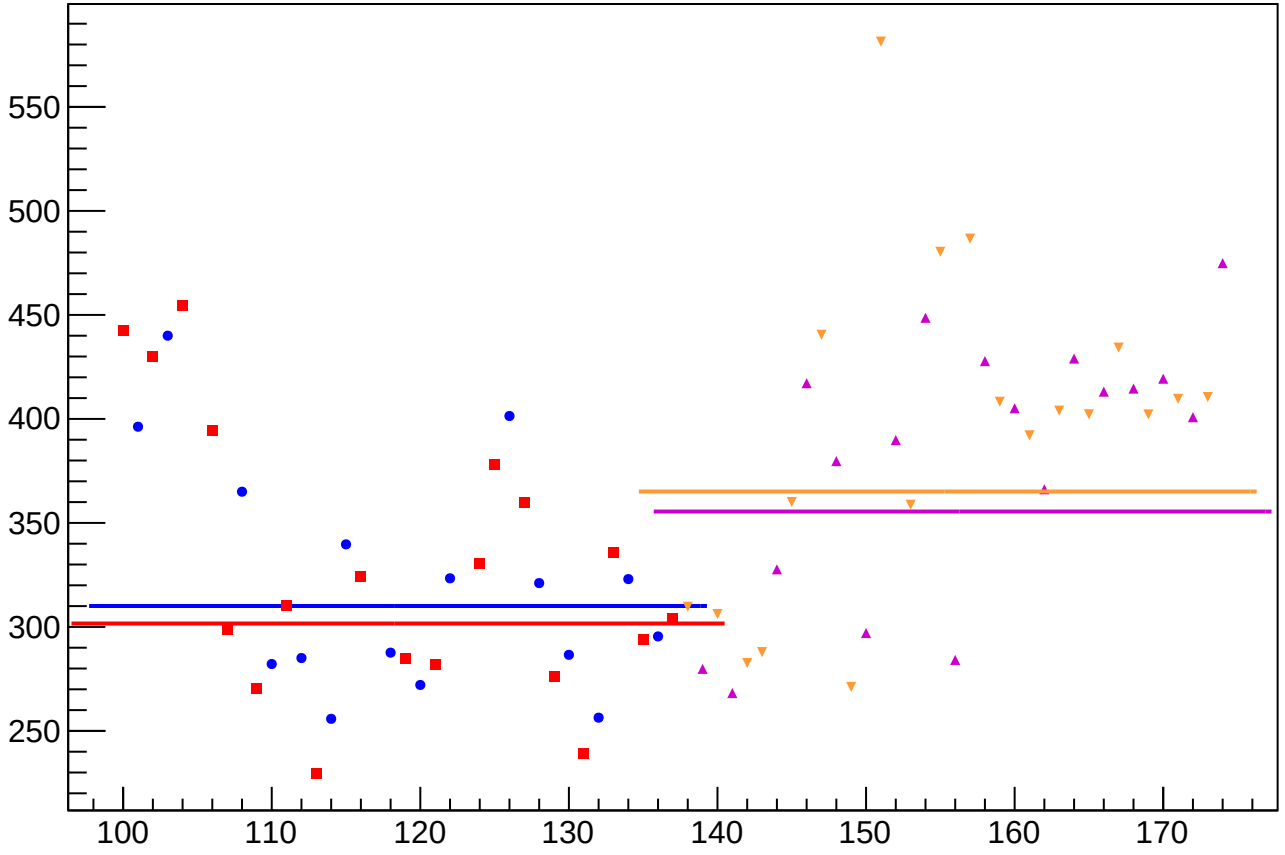
Left In: 70.590+/-94.675 χ^2/NDF:343.3/17

+ sign 656.586+/-74.739 χ^2/NDF: 722.8/34

All: 552.729+/-52.076 χ^2/NDF: 1364.1/71

- 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: 365.095+/-0.068 χ^2/NDF:1118888.9/18

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

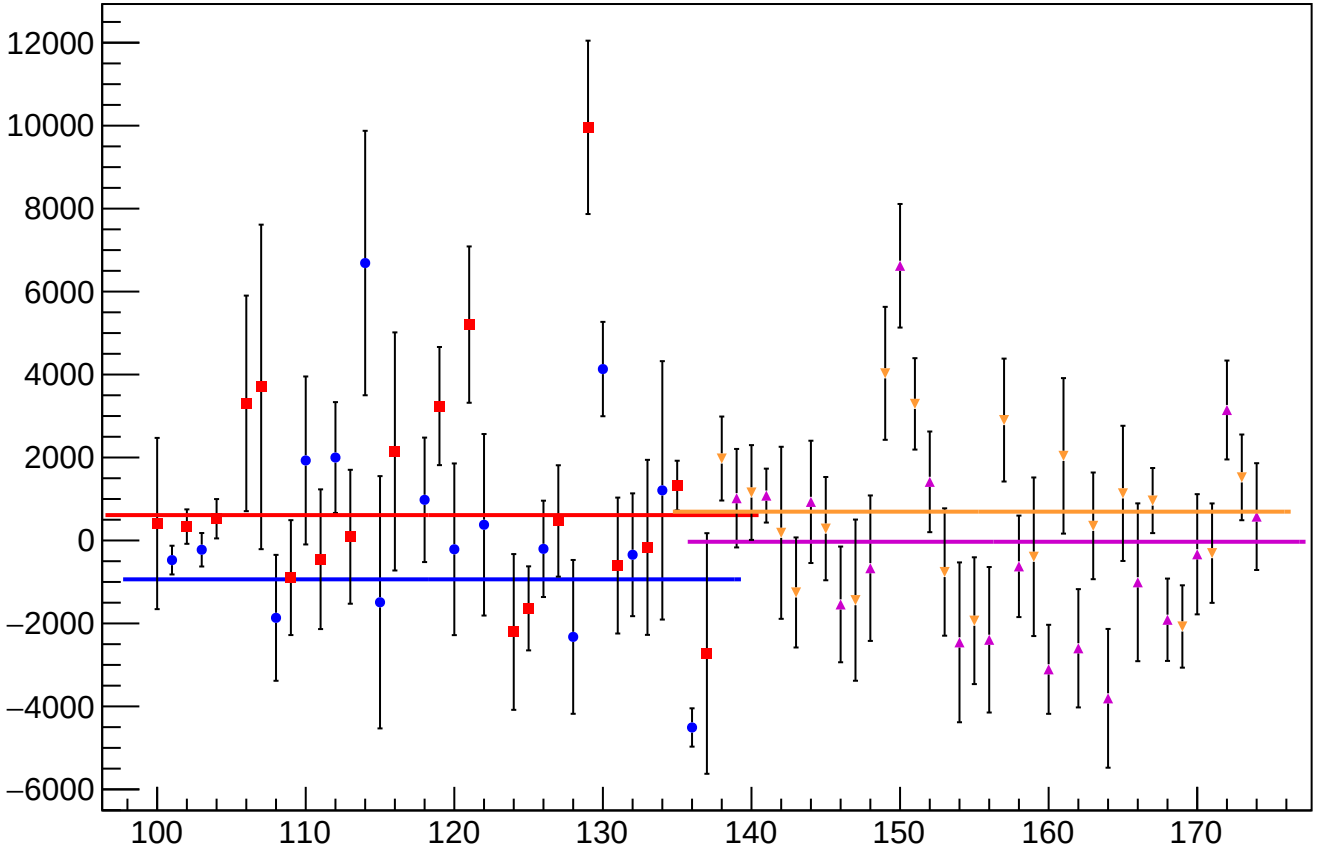
Left In: 355.467+/-0.067 χ^2/NDF:952675.3/17

+ sign 342.975+/-0.053 χ^2/NDF: 1702840.5/34

All: 337.992+/-0.037 χ^2/NDF: 3459042.1/71

- 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: 694.469+/-291.279 χ^2/NDF:31.5/18

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

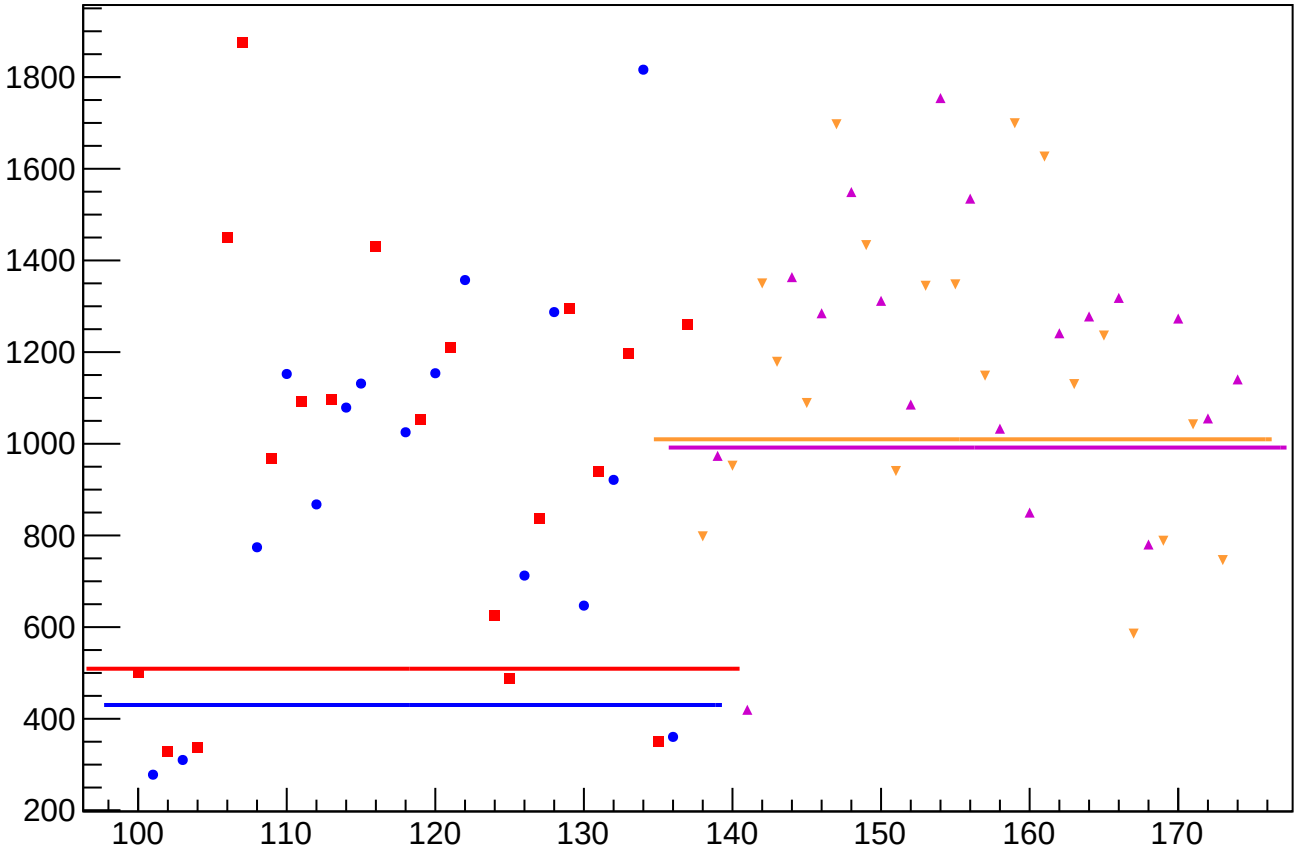
Left In: -31.310+/-294.102 χ^2/NDF:58.2/17

+ sign -397.543+/-167.488 χ^2/NDF: 153.7/34

All: -50.003+/-123.461 χ^2/NDF: 268.4/71

- 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: 1009.792+/-0.206 χ^2/NDF:2143604.0/18

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

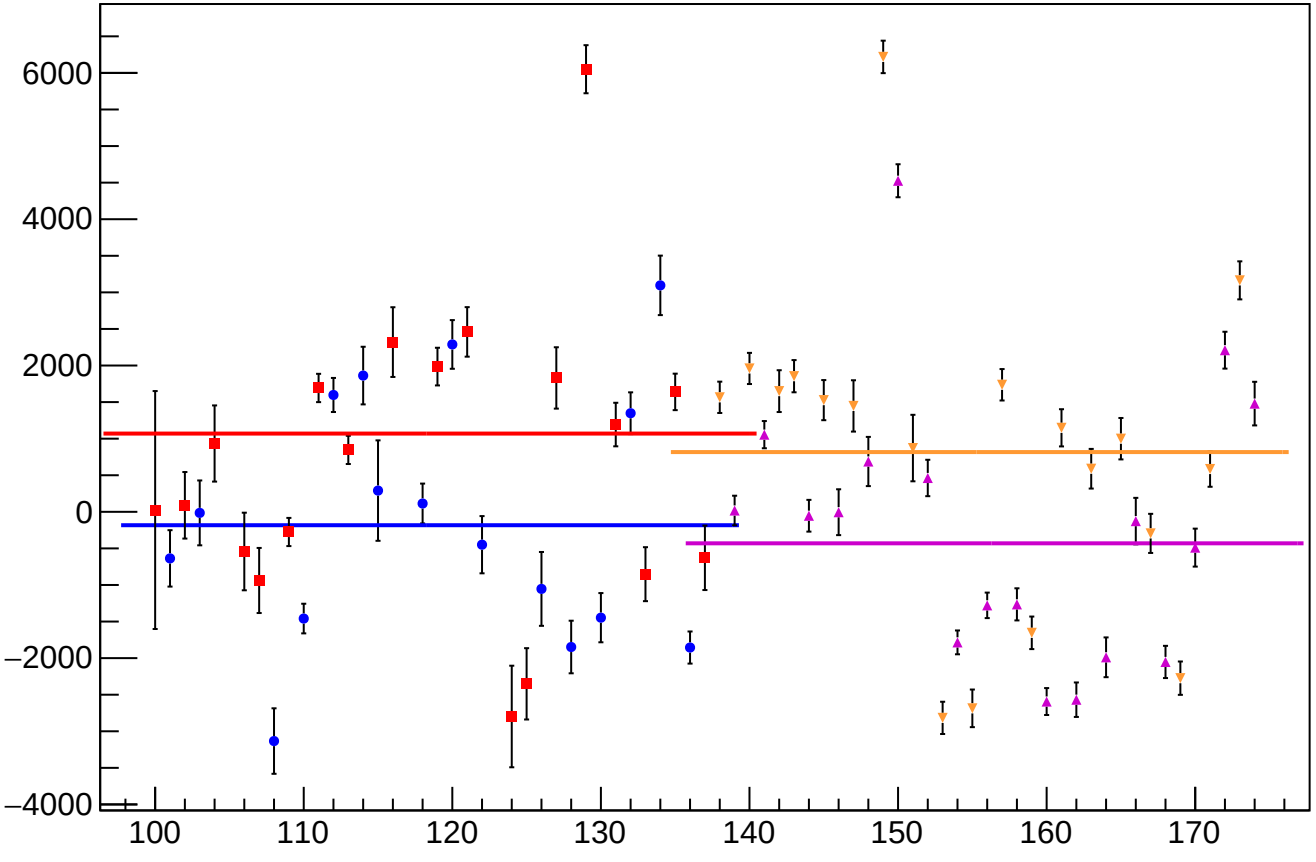
Left In: 991.758+/-0.208 χ^2/NDF:2991108.8/17

+ sign 621.774+/-0.118 χ^2/NDF: 10967618.0/34

All: 655.416+/-0.087 χ^2/NDF: 21114839.3/71

- 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: 816.802+/-57.037 χ^2/NDF:1559.2/18

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

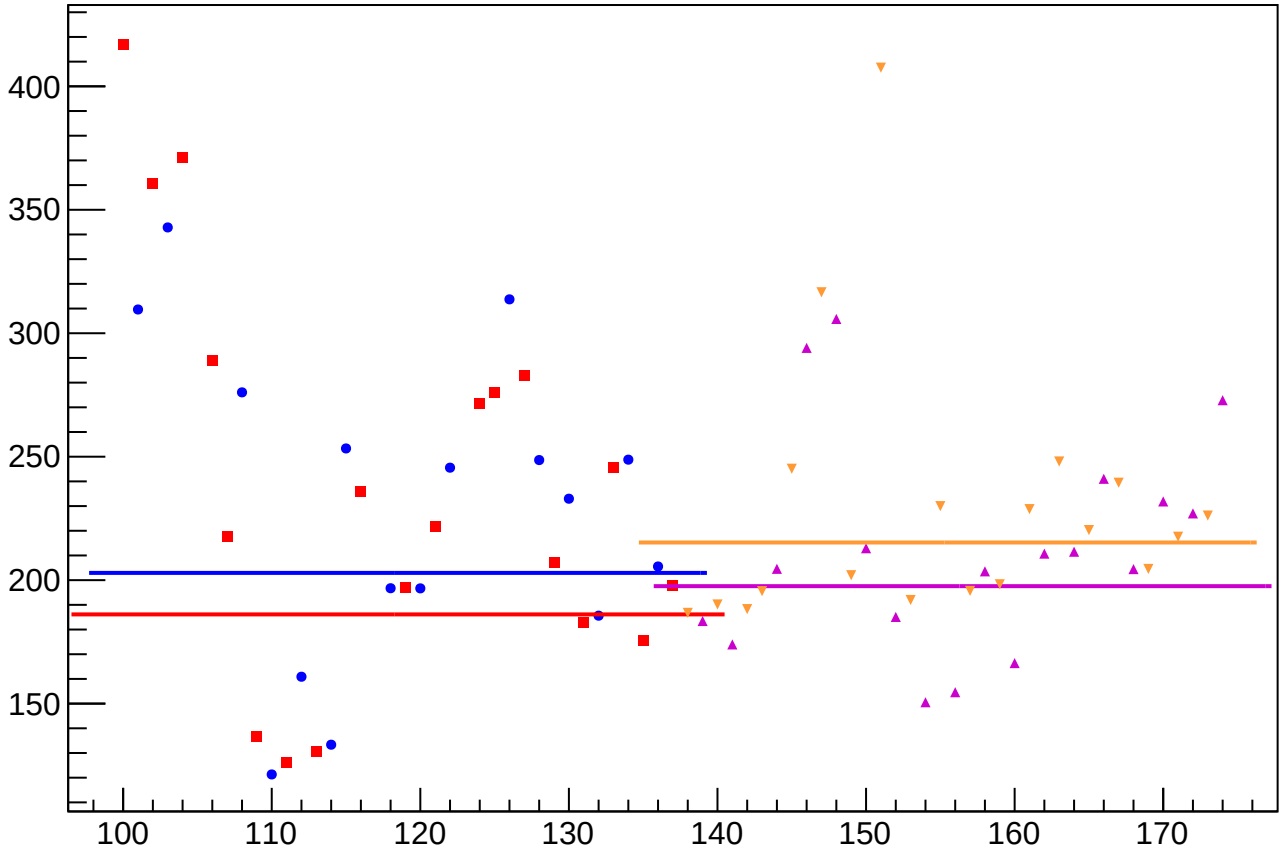
Left In: -430.519+/-53.134 χ^2/NDF:1146.7/17

+ sign 479.090+/-46.415 χ^2/NDF: 2080.7/34

All: 268.754+/-31.533 χ^2/NDF: 4033.6/71

- 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: 215.257+/-0.040 χ^2/NDF:770124.2/18

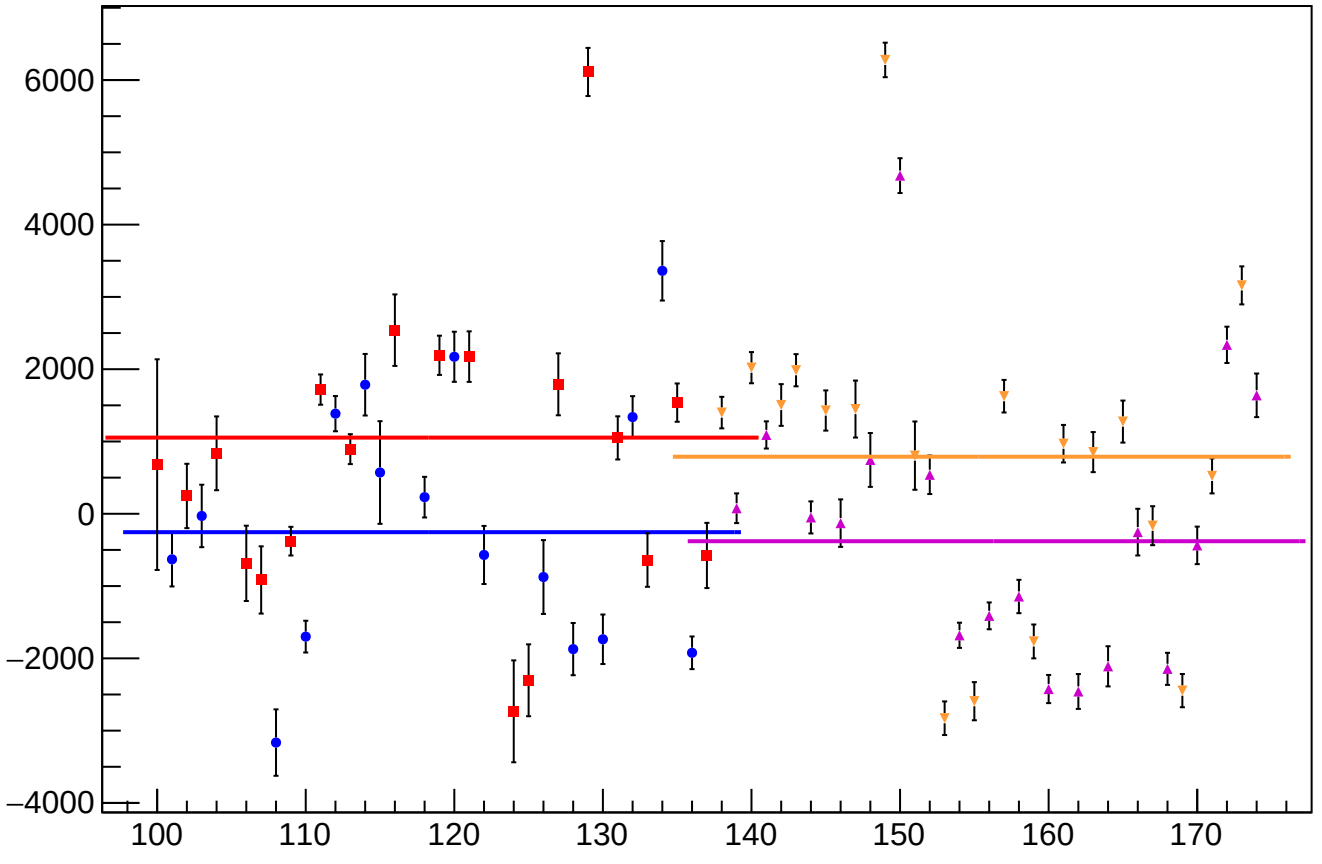
Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 197.569+/-0.038 χ^2/NDF:1042809.0/17

+ sign 211.097+/-0.033 χ^2/NDF: 1873480.9/34

All: 201.682+/-0.022 χ^2/NDF: 4582868.9/71

- sign 193.611+/-0.030 χ^2/NDF: 2556546.1/36



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 789.317+/-58.652 χ^2/NDF:1447.1/18

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

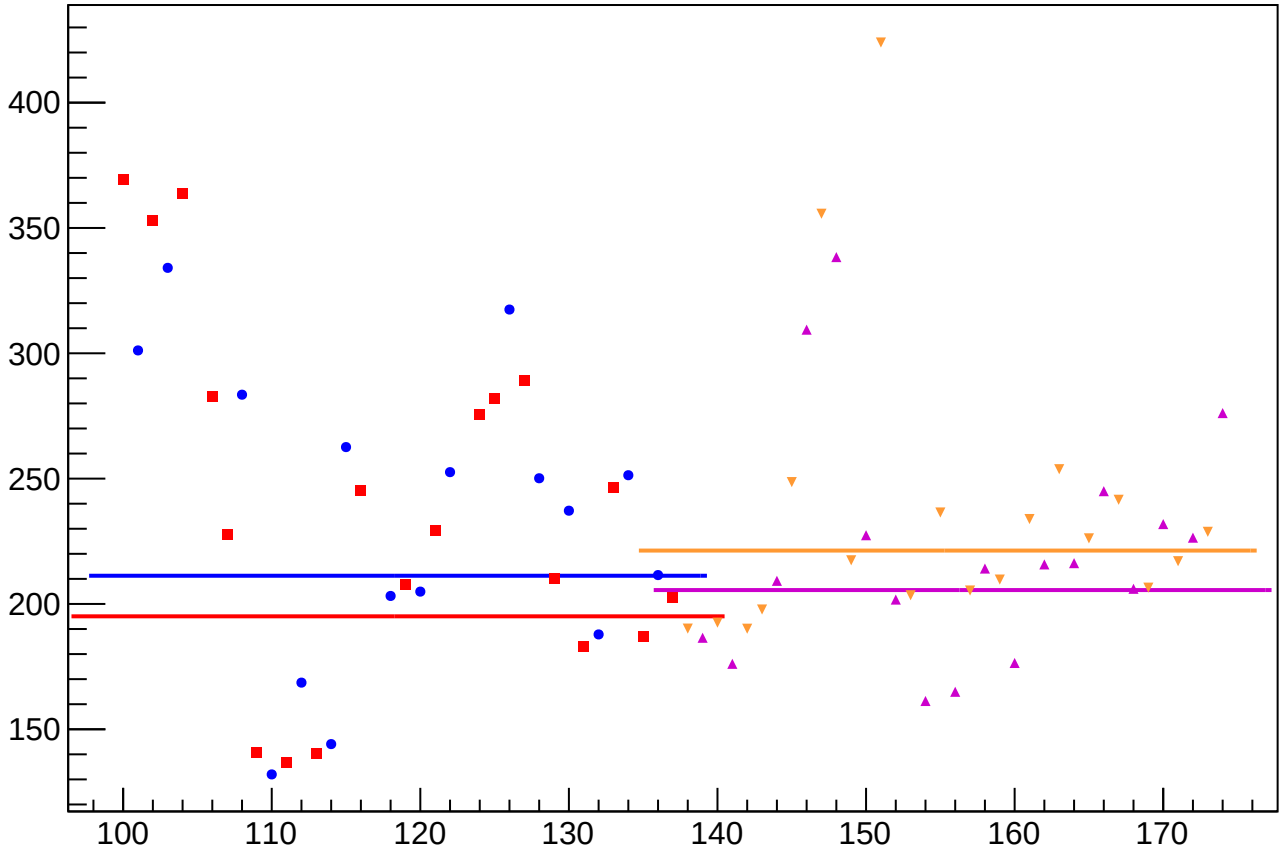
Left In: -379.538+/-55.154 χ^2/NDF:1076.3/17

+ sign 438.819+/-47.801 χ^2/NDF: 1962.7/34

All: 265.912+/-32.622 χ^2/NDF: 3774.2/71

- 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: 221.298+/-0.041 χ^2/NDF:830106.8/18

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

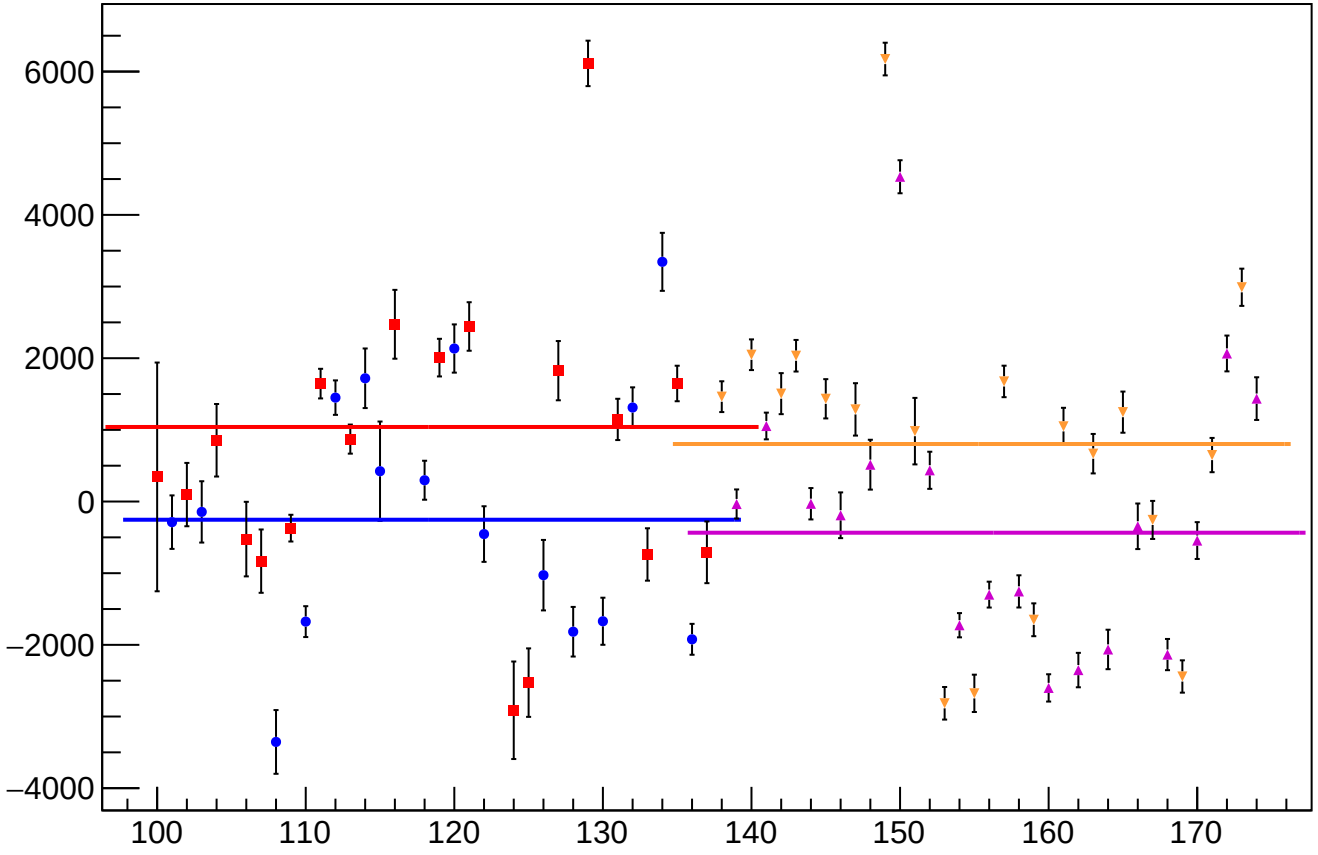
Left In: 205.540+/-0.039 χ^2/NDF:989995.8/17

+ sign 217.925+/-0.034 χ^2/NDF: 1734165.1/34

All: 209.376+/-0.023 χ^2/NDF: 4153696.6/71

- 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: 802.757+/-57.619 χ^2/NDF:1503.2/18

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

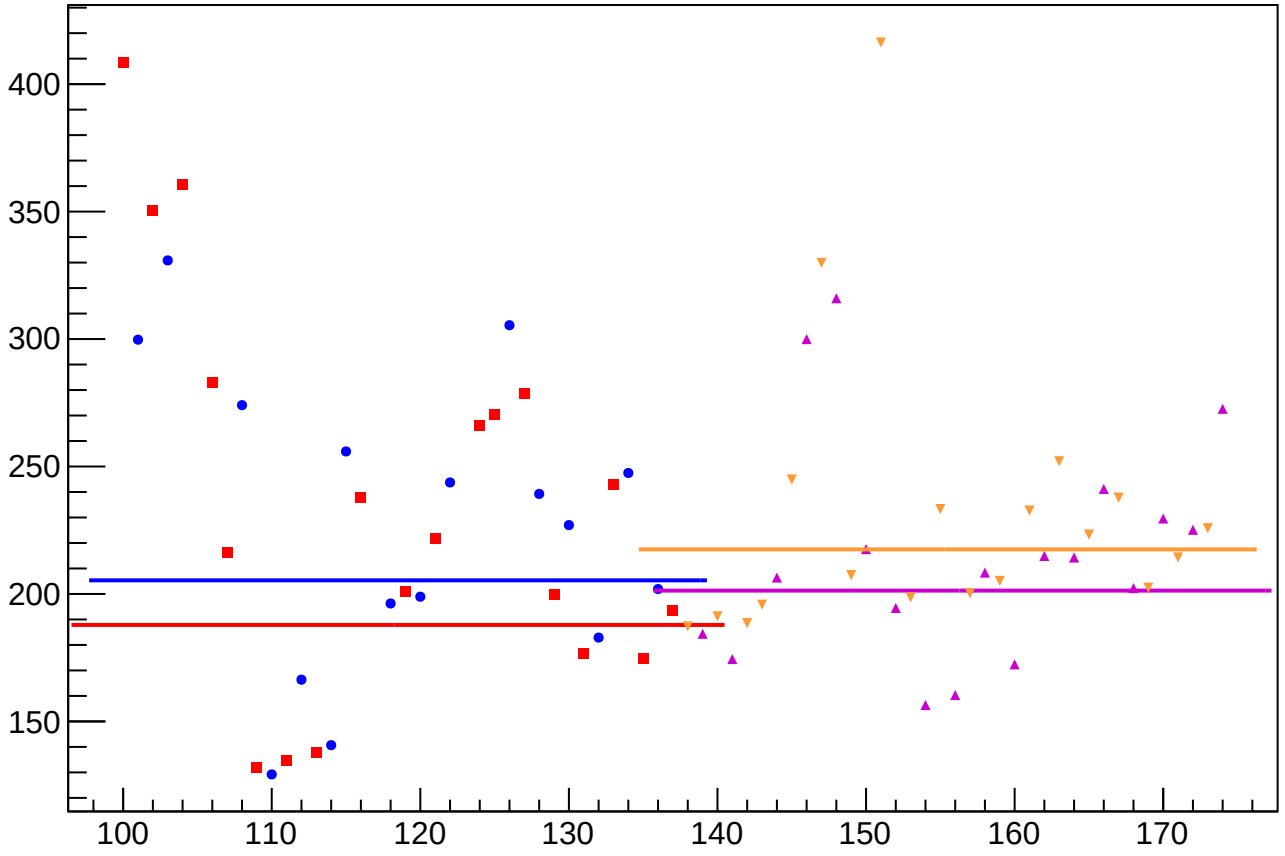
Left In: -435.222+/-54.033 χ^2/NDF:1077.7/17

+ sign 443.111+/-46.799 χ^2/NDF: 2049.8/34

All: 250.331+/-31.864 χ^2/NDF: 3954.8/71

- 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: 217.486+/-0.041 χ^2/NDF:791004.2/18

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

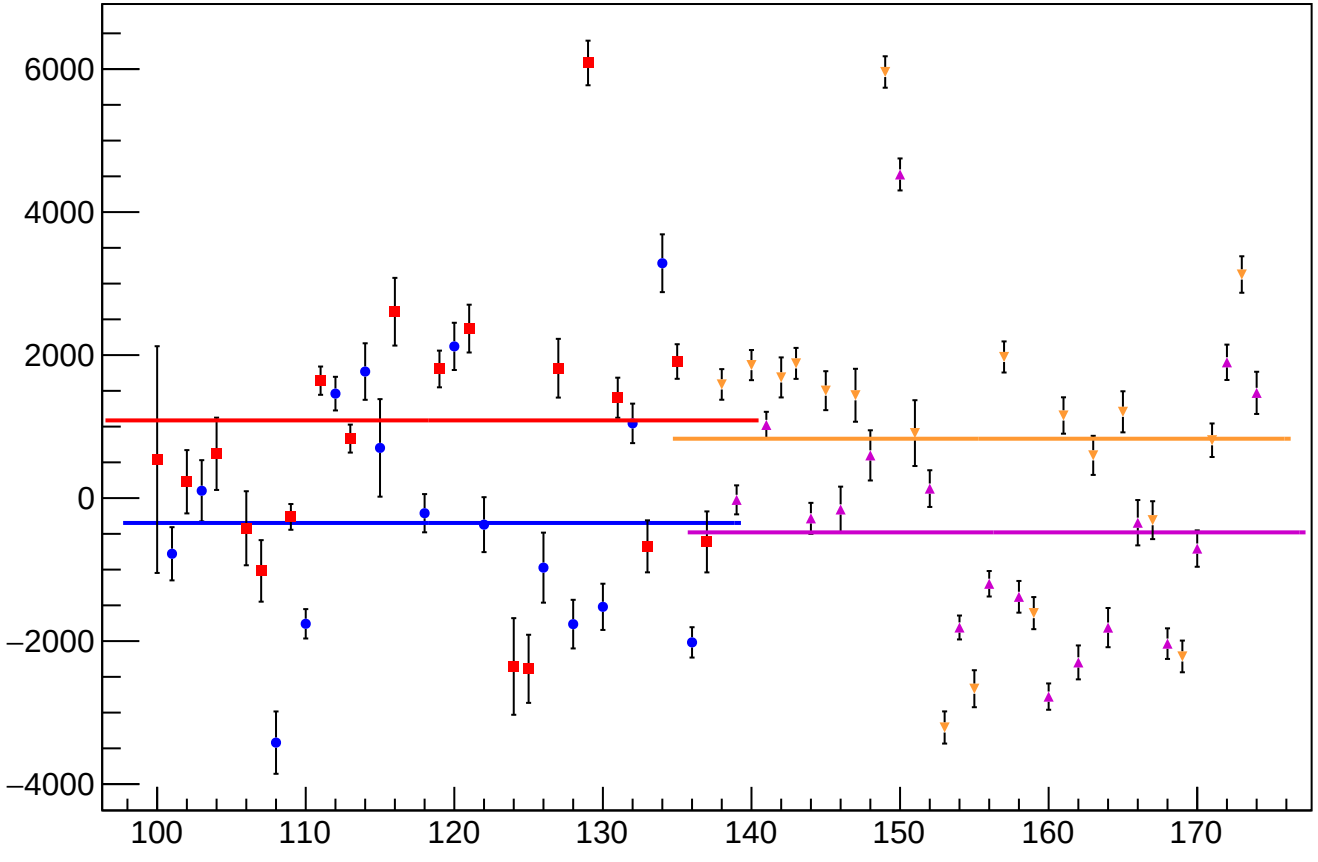
Left In: 201.318+/-0.038 χ^2/NDF:967781.4/17

+ sign 213.353+/-0.033 χ^2/NDF: 1698640.1/34

All: 204.356+/-0.023 χ^2/NDF: 4184973.2/71

- 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: 830.440+/-56.862 χ^2/NDF:1564.7/18

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

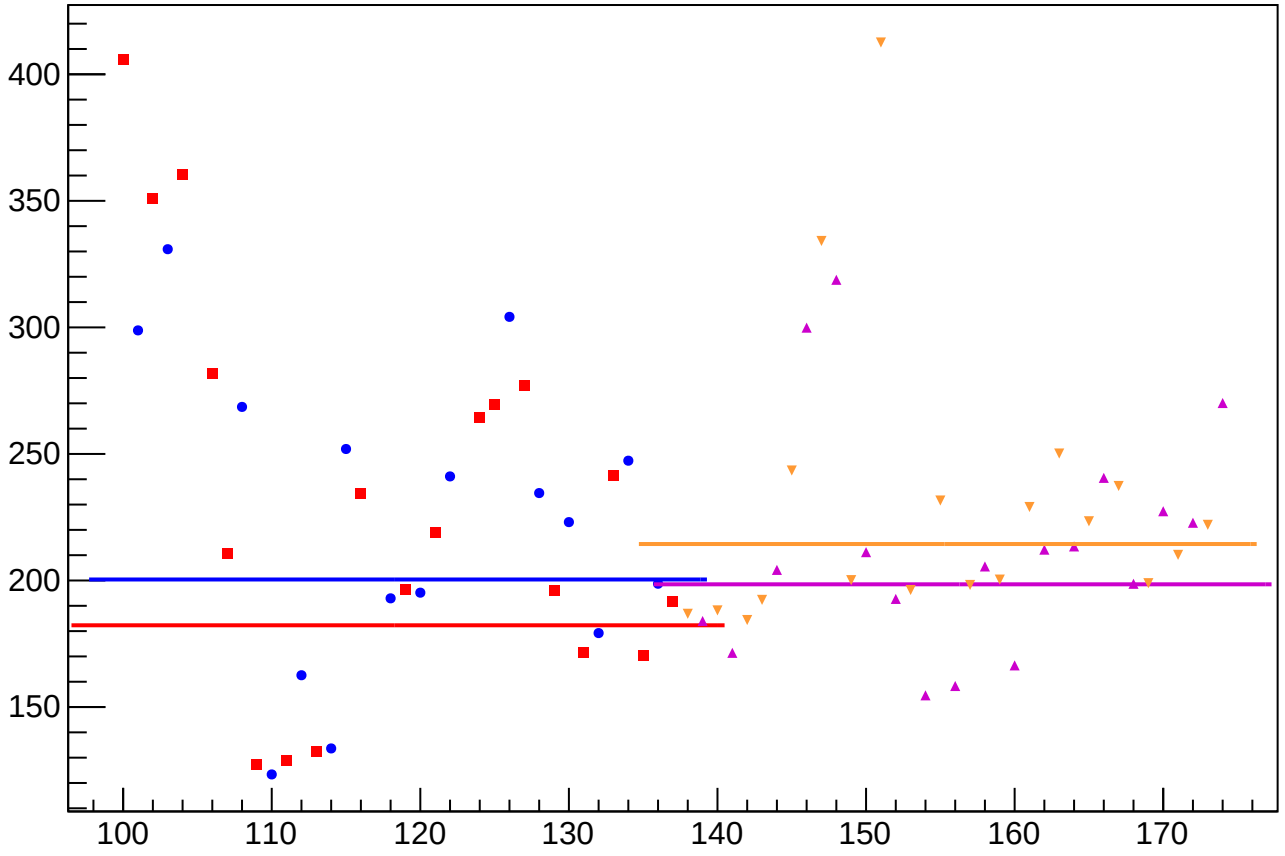
Left In: -479.349+/-53.326 χ^2/NDF:1113.7/17

+ sign 425.476+/-46.063 χ^2/NDF: 2158.1/34

All: 239.878+/-31.337 χ^2/NDF: 4137.2/71

- 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: 214.412+/-0.040 χ^2/NDF:829665.9/18

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

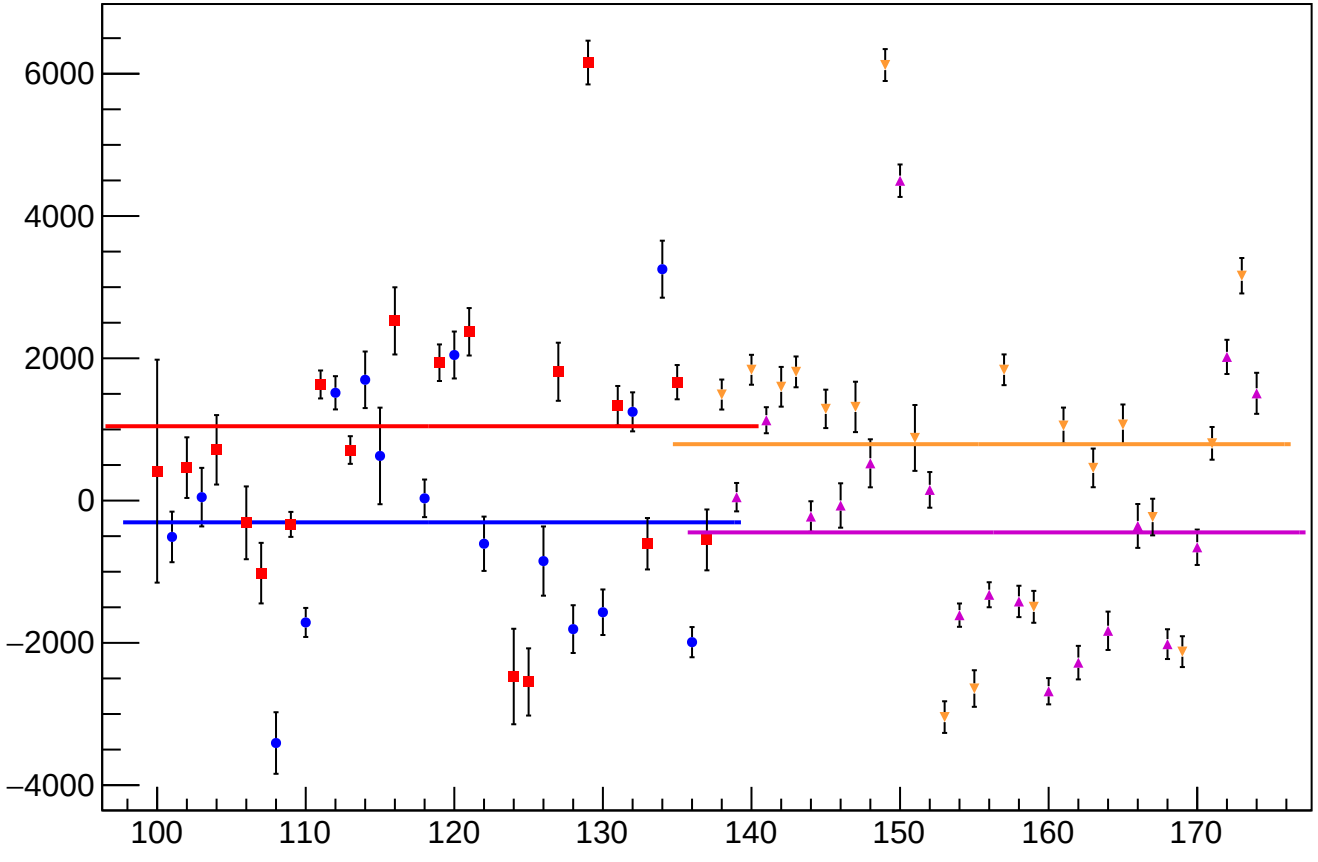
Left In: 198.492+/-0.038 χ^2/NDF:1012376.0/17

+ sign 209.595+/-0.033 χ^2/NDF: 1830420.0/34

All: 200.524+/-0.022 χ^2/NDF: 4500220.0/71

- 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: 792.865+/-56.332 χ^2/NDF:1530.0/18

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

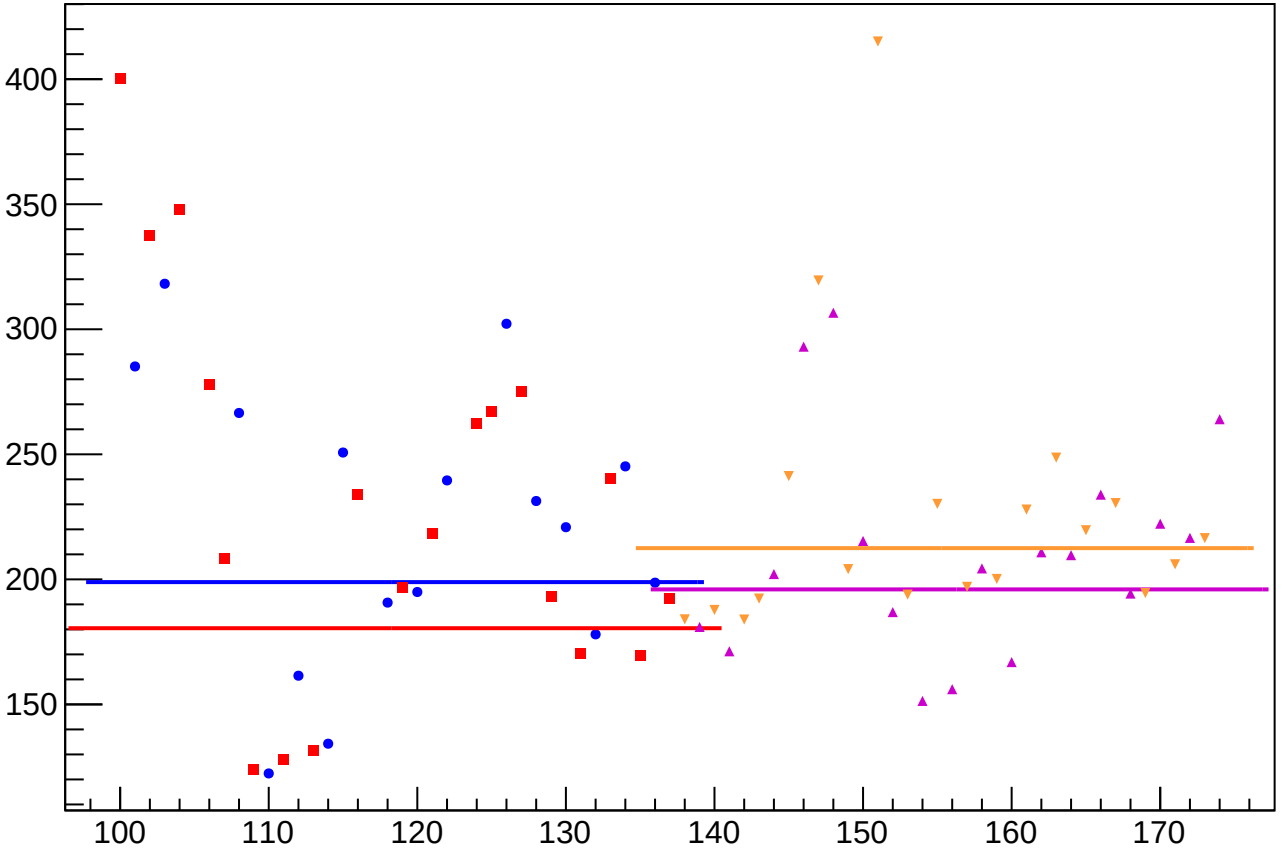
Left In: -447.098+/-52.642 χ^2/NDF:1102.1/17

\+ sign 415.471+/-45.641 χ^2/NDF: 2112.5/34

All: 236.934+/-31.005 χ^2/NDF: 4081.1/71

\- 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: 212.488+/-0.040 χ^2/NDF:803098.7/18

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

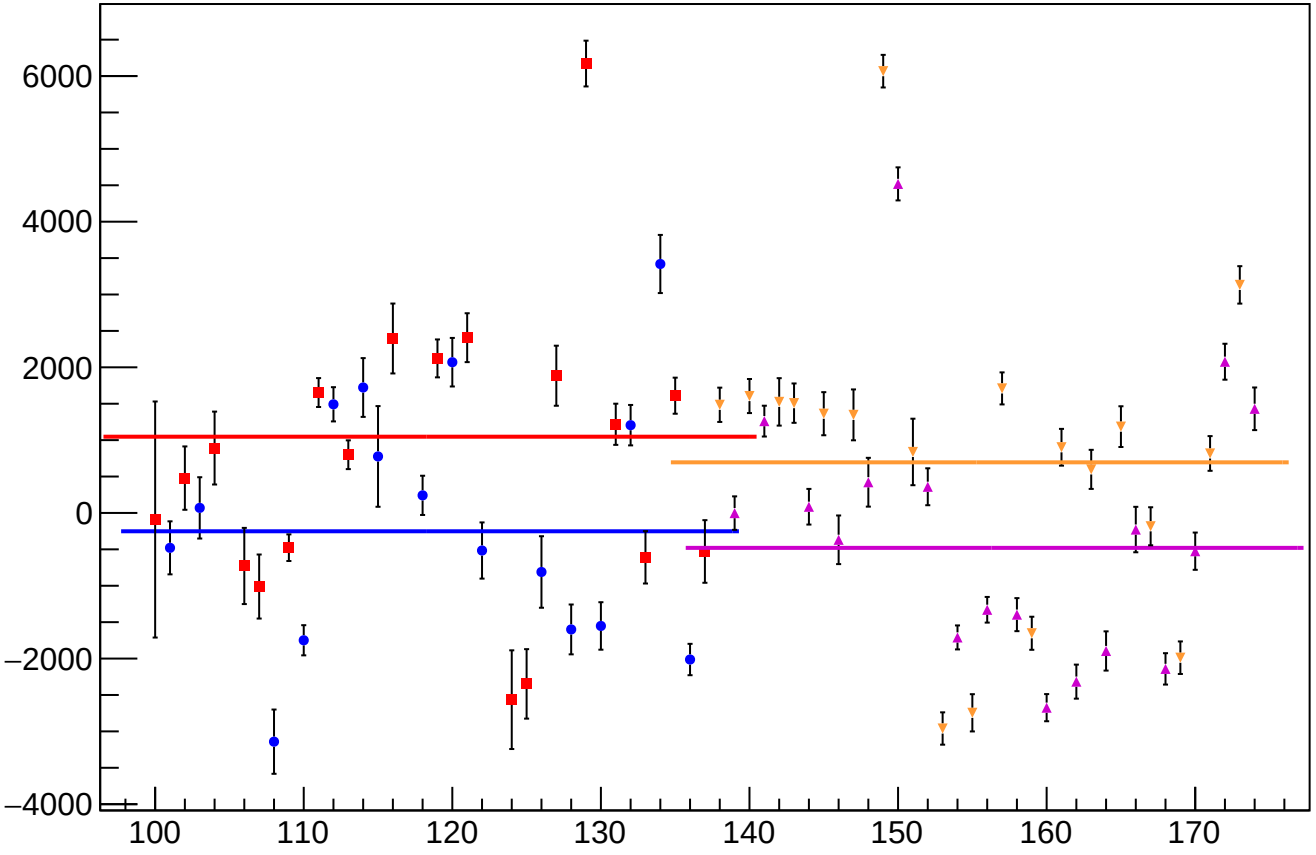
Left In: 195.990+/-0.037 χ^2/NDF:969814.7/17

+ sign 207.821+/-0.032 χ^2/NDF: 1755827.9/34

All: 198.476+/-0.022 χ^2/NDF: 4377615.4/71

- 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: 695.039+/-58.810 χ^2/NDF:1455.8/18

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

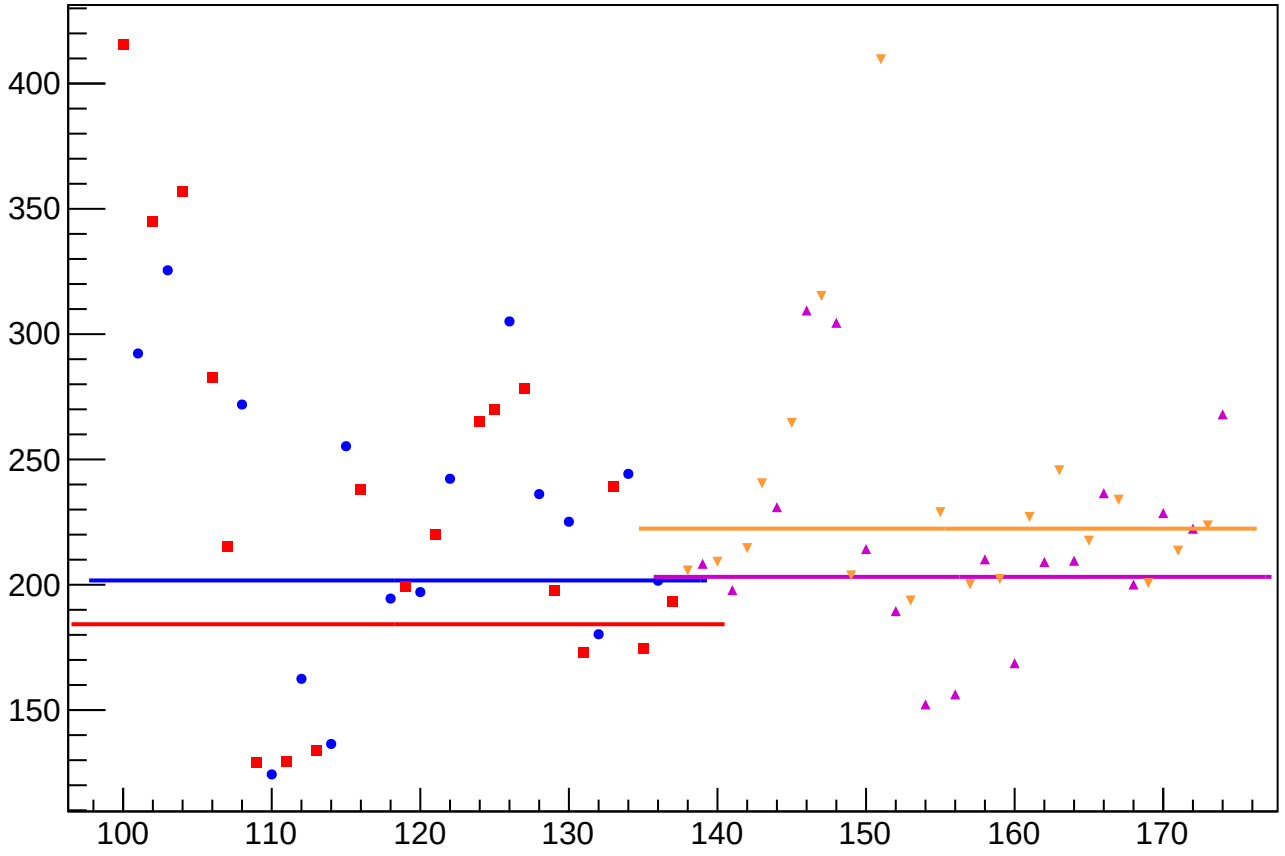
Left In: -479.667+/-54.619 χ^2/NDF:1113.5/17

+ sign 357.280+/-47.168 χ^2/NDF: 1989.5/34

All: 205.548+/-32.000 χ^2/NDF: 3953.4/71

- 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: 222.393+/-0.042 χ^2/NDF:671153.9/18

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

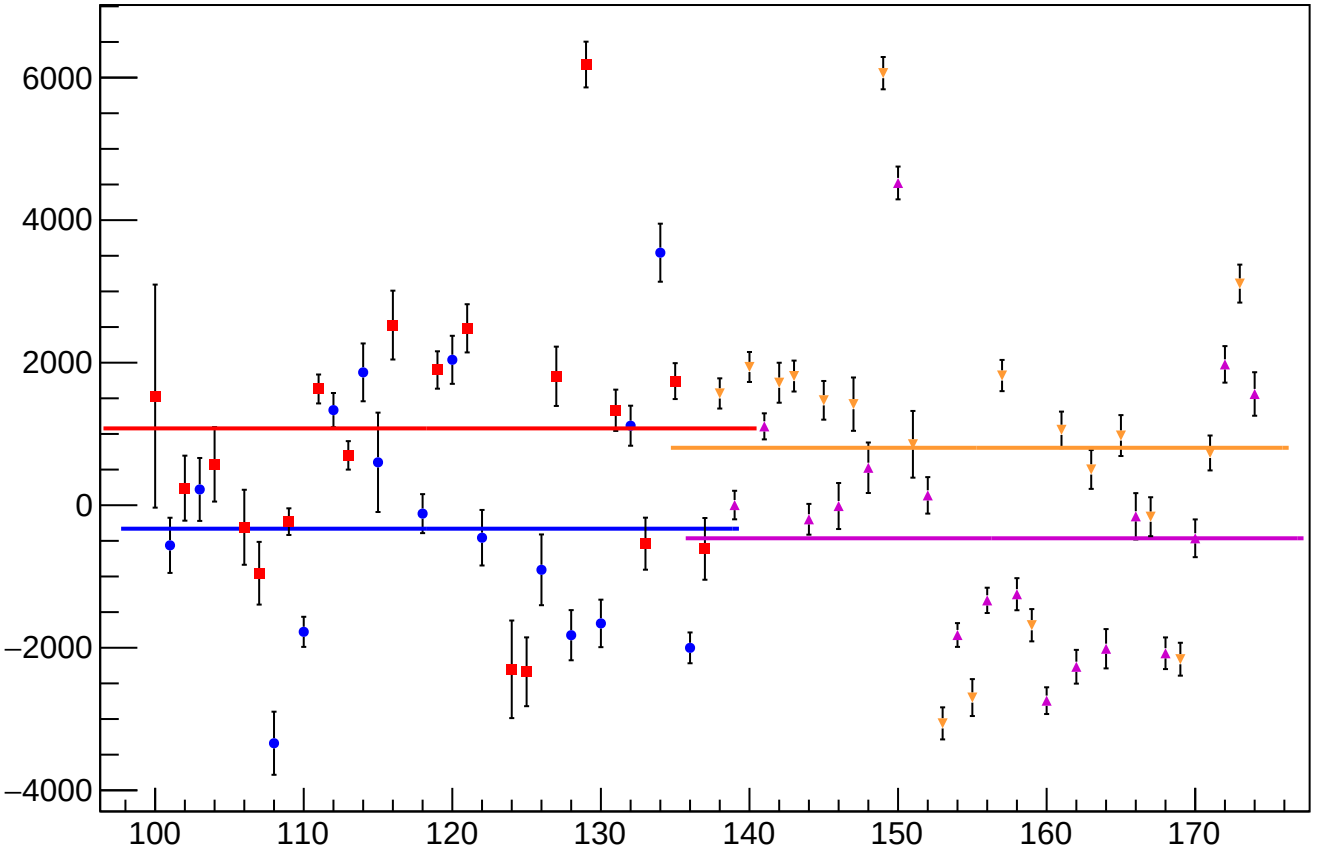
Left In: 203.151+/-0.039 χ^2/NDF:982644.8/17

+ sign 215.016+/-0.033 χ^2/NDF: 1683578.3/34

All: 204.897+/-0.023 χ^2/NDF: 4327777.1/71

- 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: 805.823+/-57.509 χ^2/NDF:1496.8/18

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

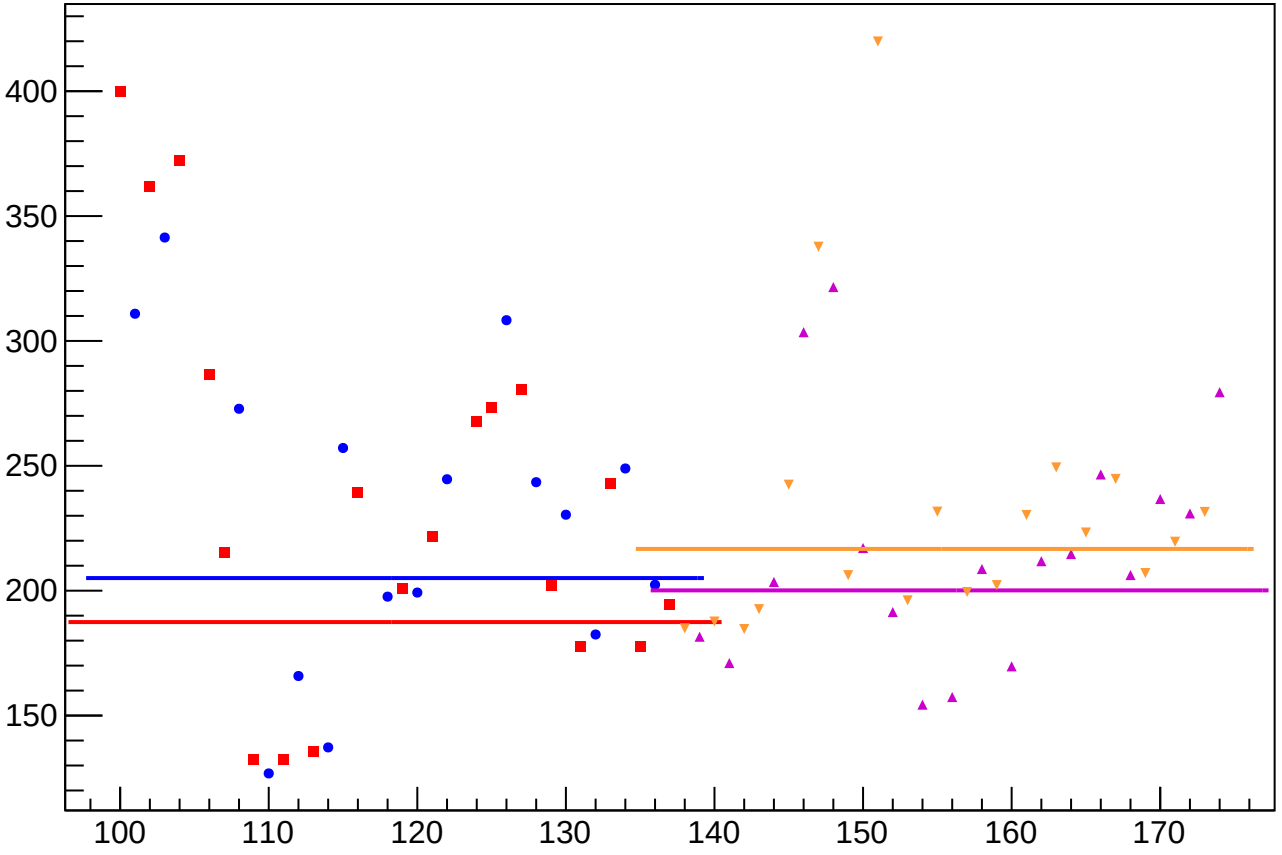
Left In: -463.940+/-53.862 χ^2/NDF:1093.4/17

+ sign 421.392+/-46.768 χ^2/NDF: 2065.2/34

All: 235.732+/-31.823 χ^2/NDF: 3976.7/71

- 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: 216.724+/-0.041 χ^2/NDF:852610.9/18

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

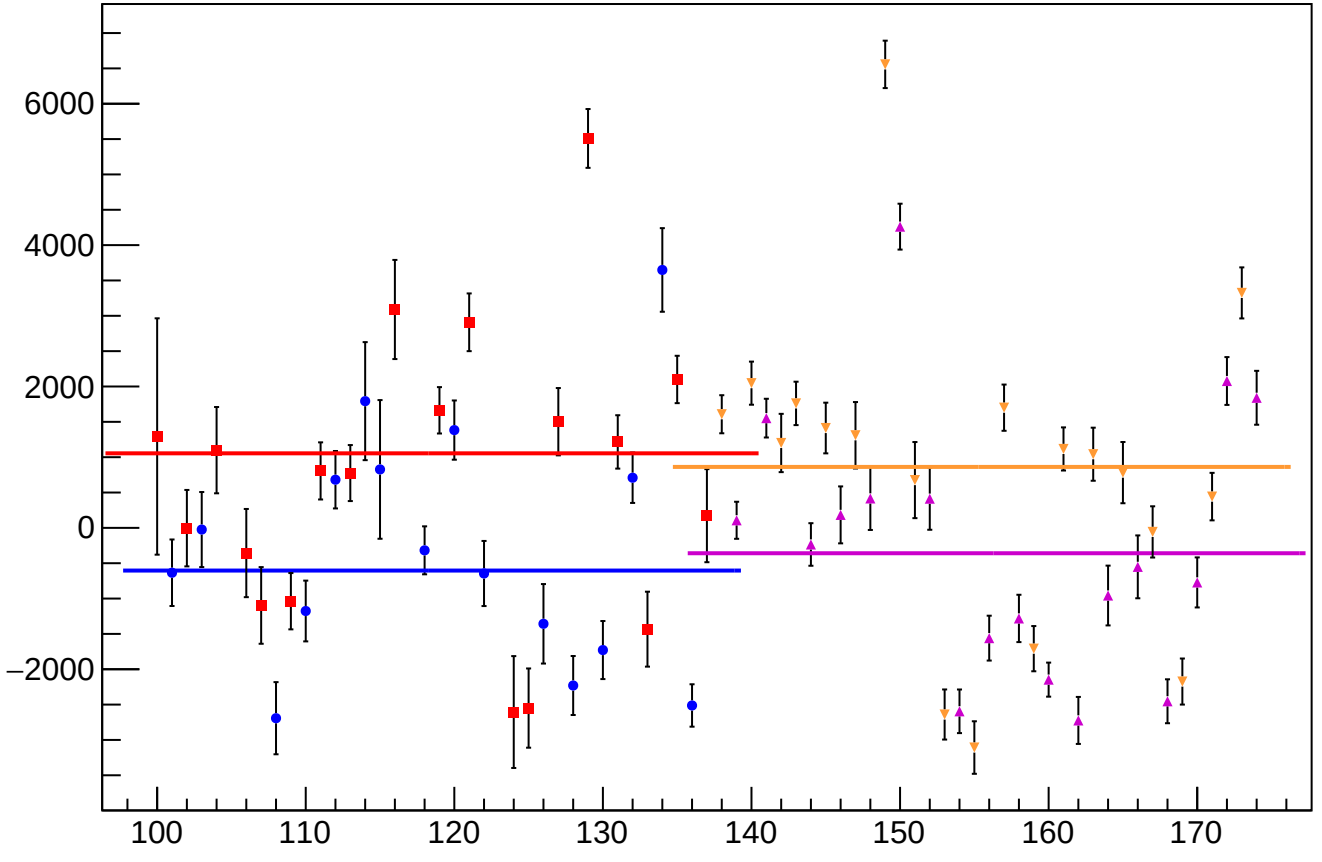
Left In: 200.122+/-0.038 χ^2/NDF:1097994.5/17

+ sign 212.771+/-0.033 χ^2/NDF: 1843557.2/34

All: 203.593+/-0.023 χ^2/NDF: 4534644.2/71

- 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: 862.336+/-79.868 χ^2/NDF:749.0/18

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

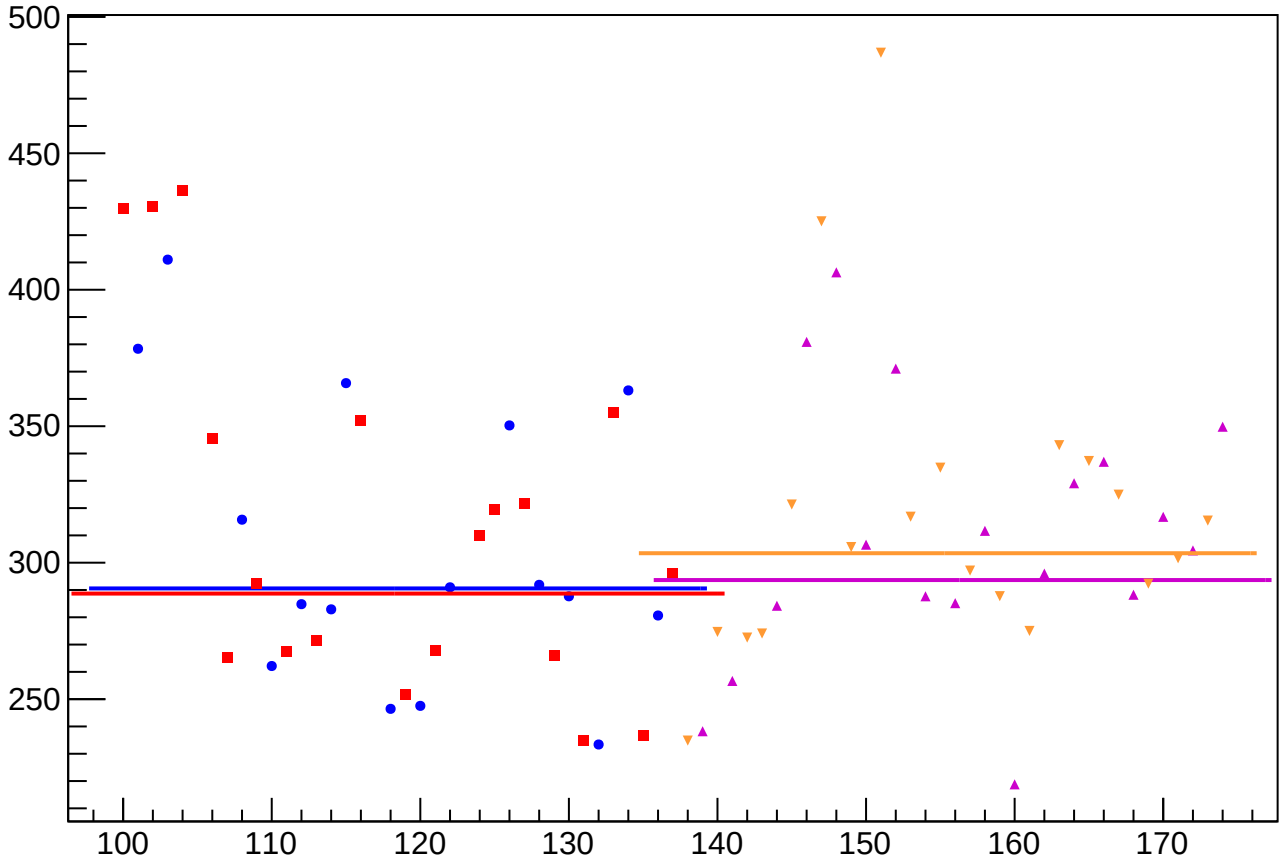
Left In: -358.897+/-77.846 χ^2/NDF:576.9/17

+ sign 360.361+/-64.769 χ^2/NDF: 1057.9/34

All: 238.687+/-45.235 χ^2/NDF: 2051.7/71

- 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: 303.471+/-0.056 χ^2/NDF:634600.9/18

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

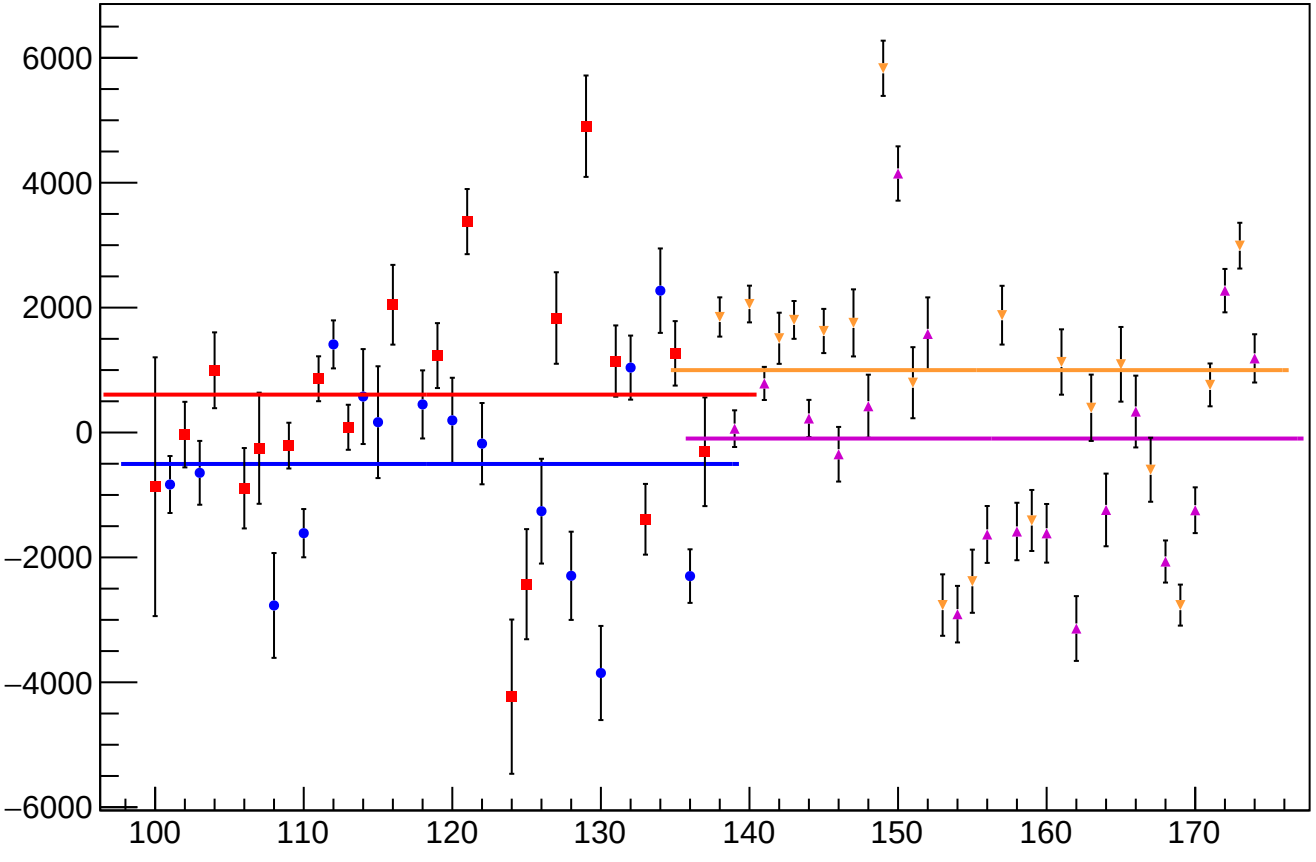
Left In: 293.640+/-0.055 χ^2/NDF:703467.0/17

+ sign 299.053+/-0.046 χ^2/NDF: 1012284.1/34

All: 295.416+/-0.032 χ^2/NDF: 2219920.7/71

- 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: 998.872+/-93.673 χ^2/NDF:456.8/18

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

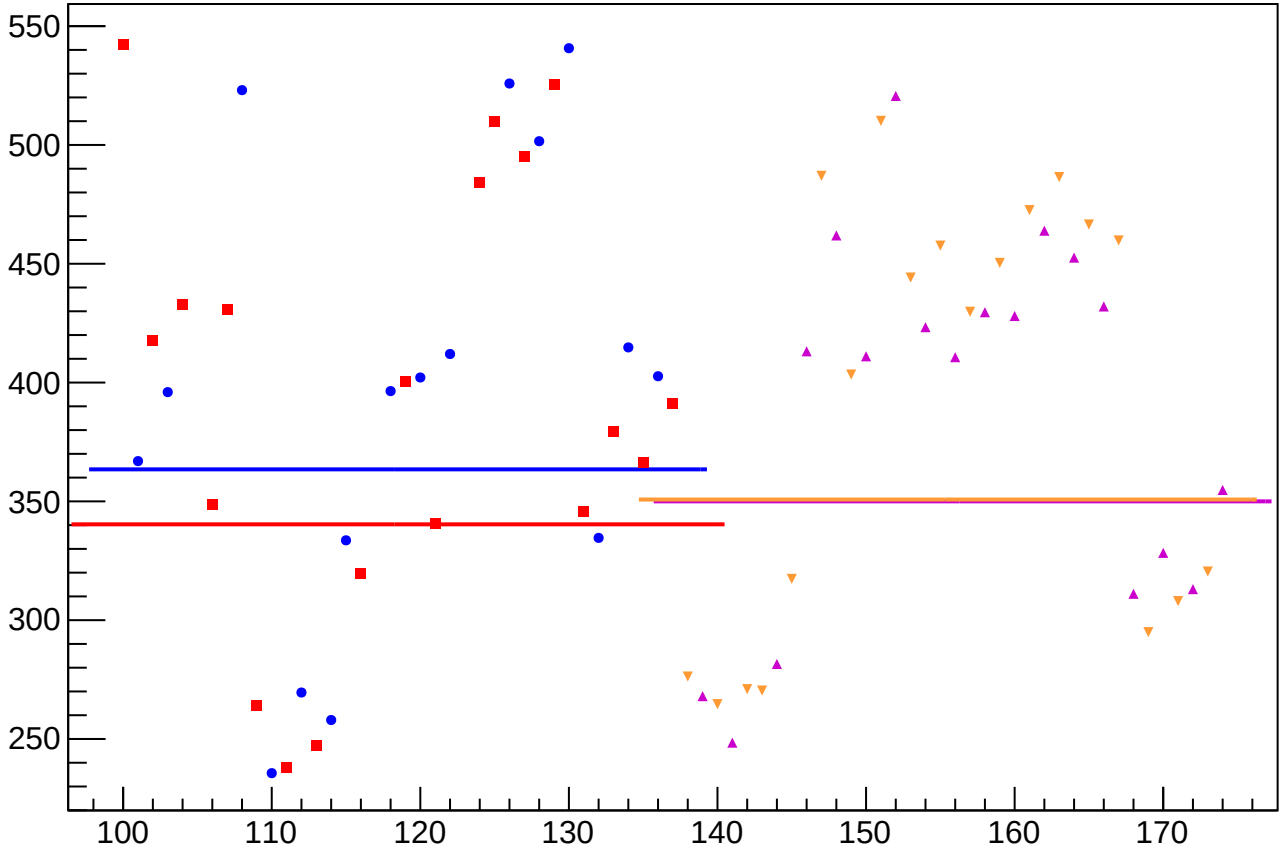
Left In: -96.570+/-93.531 χ^2/NDF:328.4/17

+ sign 534.485+/-77.863 χ^2/NDF: 654.6/34

All: 334.277+/-54.330 χ^2/NDF: 1140.4/71

- 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: 350.767+/-0.066 χ^2/NDF:1640106.9/18

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

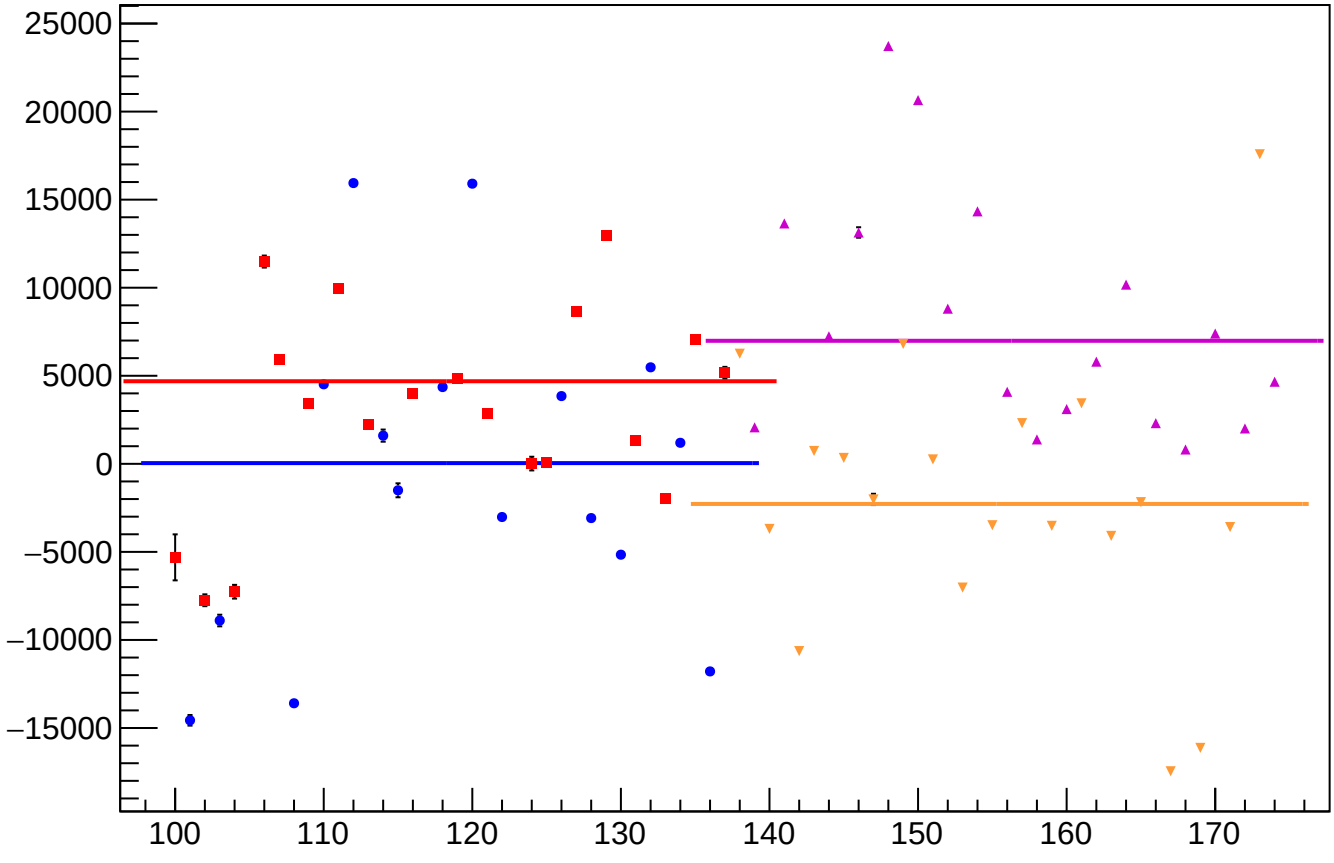
Left In: 350.005+/-0.066 χ^2/NDF:1363084.1/17

+ sign 354.693+/-0.055 χ^2/NDF: 2432370.1/34

All: 350.588+/-0.038 χ^2/NDF: 4669844.4/71

- sign 346.693+/-0.054 χ^2/NDF: 2226640.0/36

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -2277.471+/-44.364 χ^2/NDF:30489.5/18

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

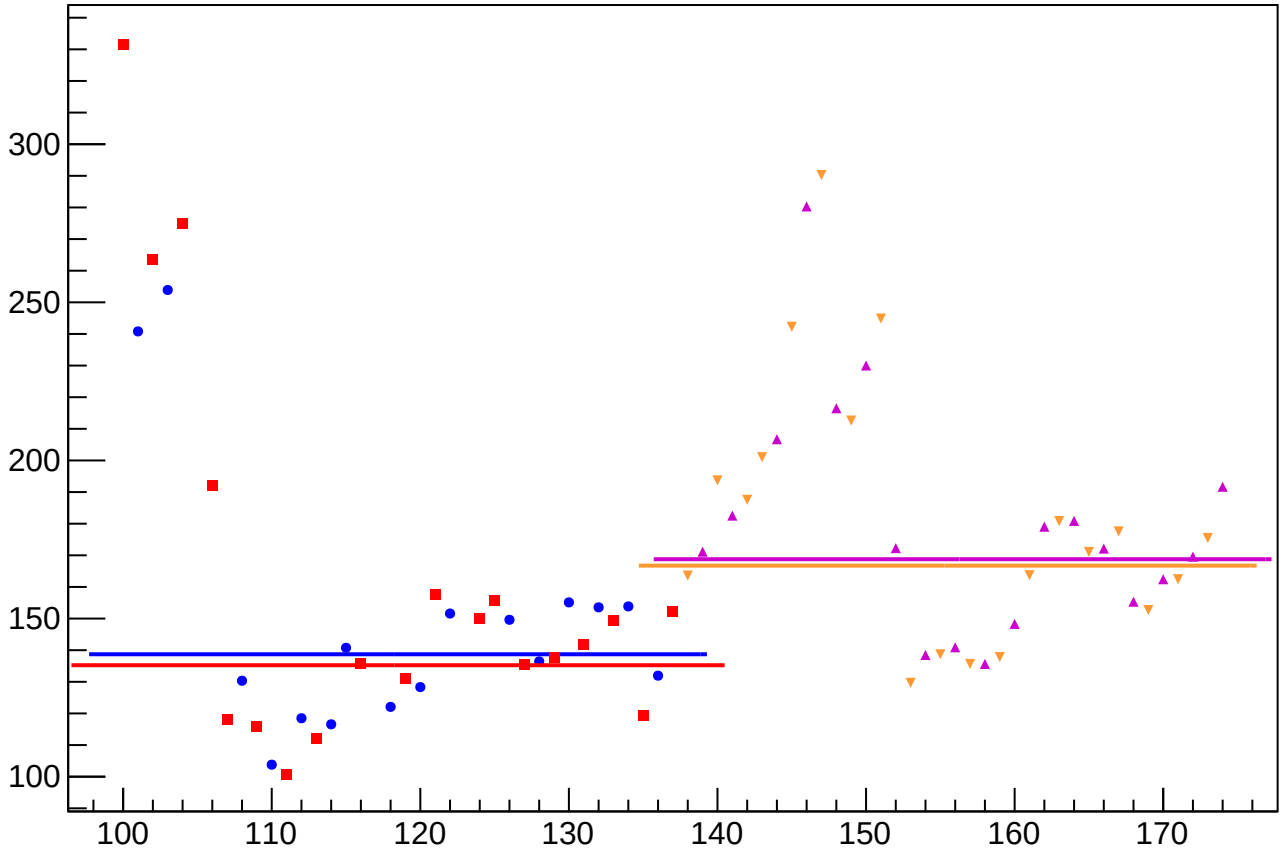
Left In: 6985.642+/-45.211 χ^2/NDF:17737.5/17

+ sign -1347.321+/-34.330 χ^2/NDF: 62371.5/34

All: 2345.798+/-24.209 χ^2/NDF: 112034.2/71

- 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: 166.735+/-0.031 χ^2/NDF:1162233.5/18

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

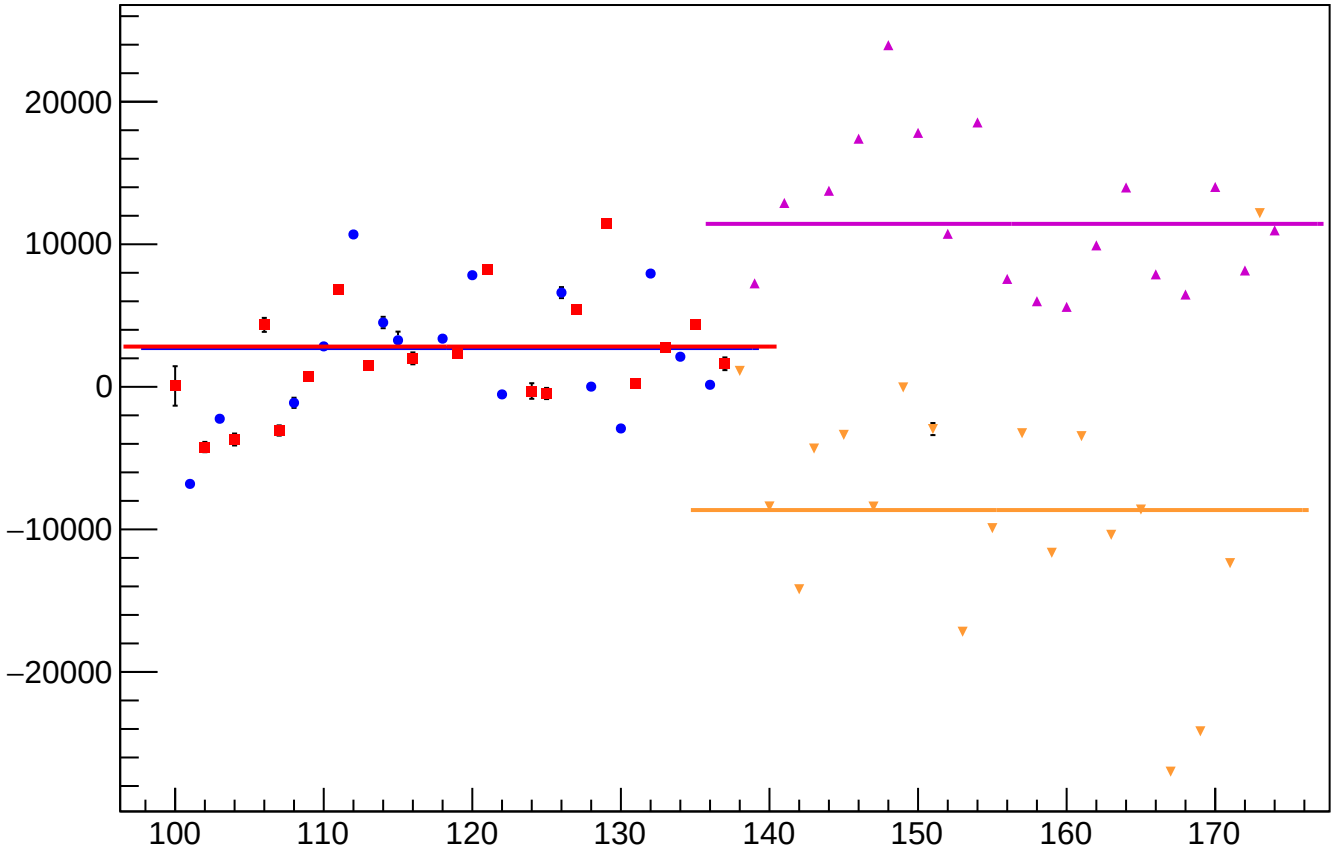
Left In: 168.767+/-0.032 χ^2/NDF:885471.2/17

+ sign 155.492+/-0.024 χ^2/NDF: 2140186.3/34

All: 154.926+/-0.017 χ^2/NDF: 4389123.6/71

- 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: -8643.625+/-51.892 χ^2/NDF:30626.6/18

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

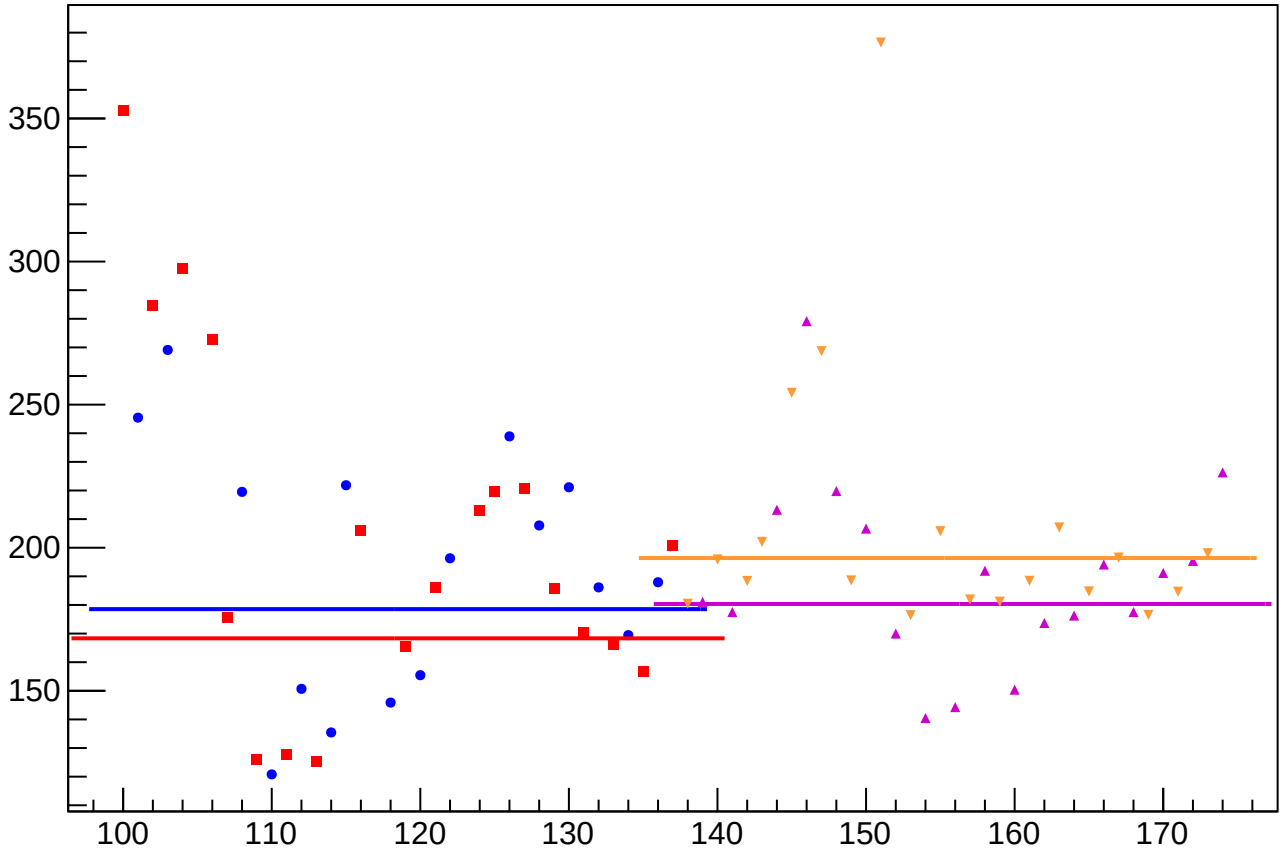
Left In: 11431.955+/-48.267 χ^2/NDF:10574.4/17

+ sign -4557.065+/-41.526 χ^2/NDF: 52000.8/34

All: 2354.453+/-28.319 χ^2/NDF: 128761.5/71

- 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: 196.391+/-0.037 χ^2/NDF:664186.8/18

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

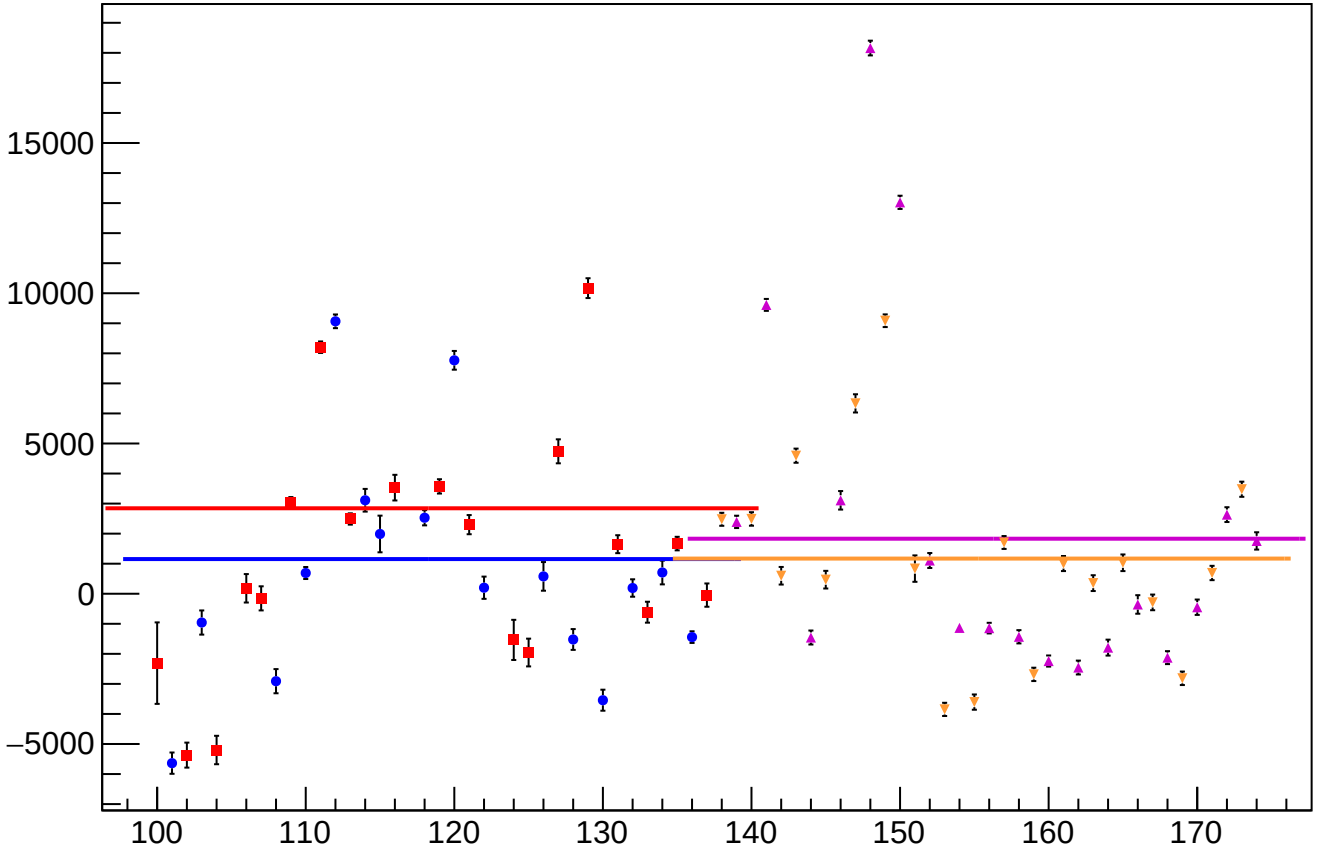
Left In: 180.343+/-0.034 χ^2/NDF:750646.8/17

+ sign 189.972+/-0.029 χ^2/NDF: 1423856.1/34

All: 182.531+/-0.020 χ^2/NDF: 3318153.7/71

- 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: 1170.262+/-56.763 χ^2/NDF:3615.3/18

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

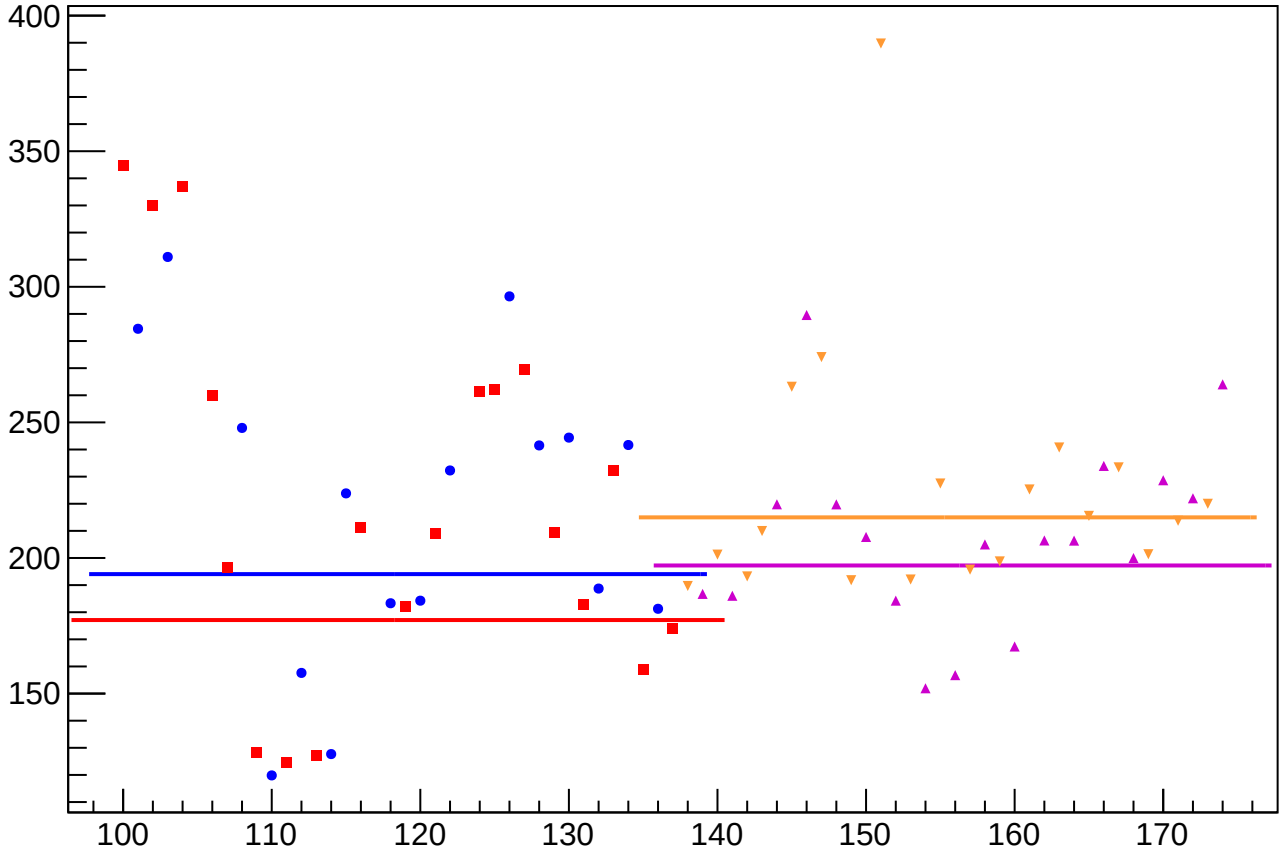
Left In: 1831.110+/-52.801 χ^2/NDF:11093.1/17

+ sign 1164.372+/-45.469 χ^2/NDF: 6270.6/34

All: 1725.909+/-30.838 χ^2/NDF: 20234.9/71

- 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: 214.980+/-0.040 χ^2/NDF:610829.4/18

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

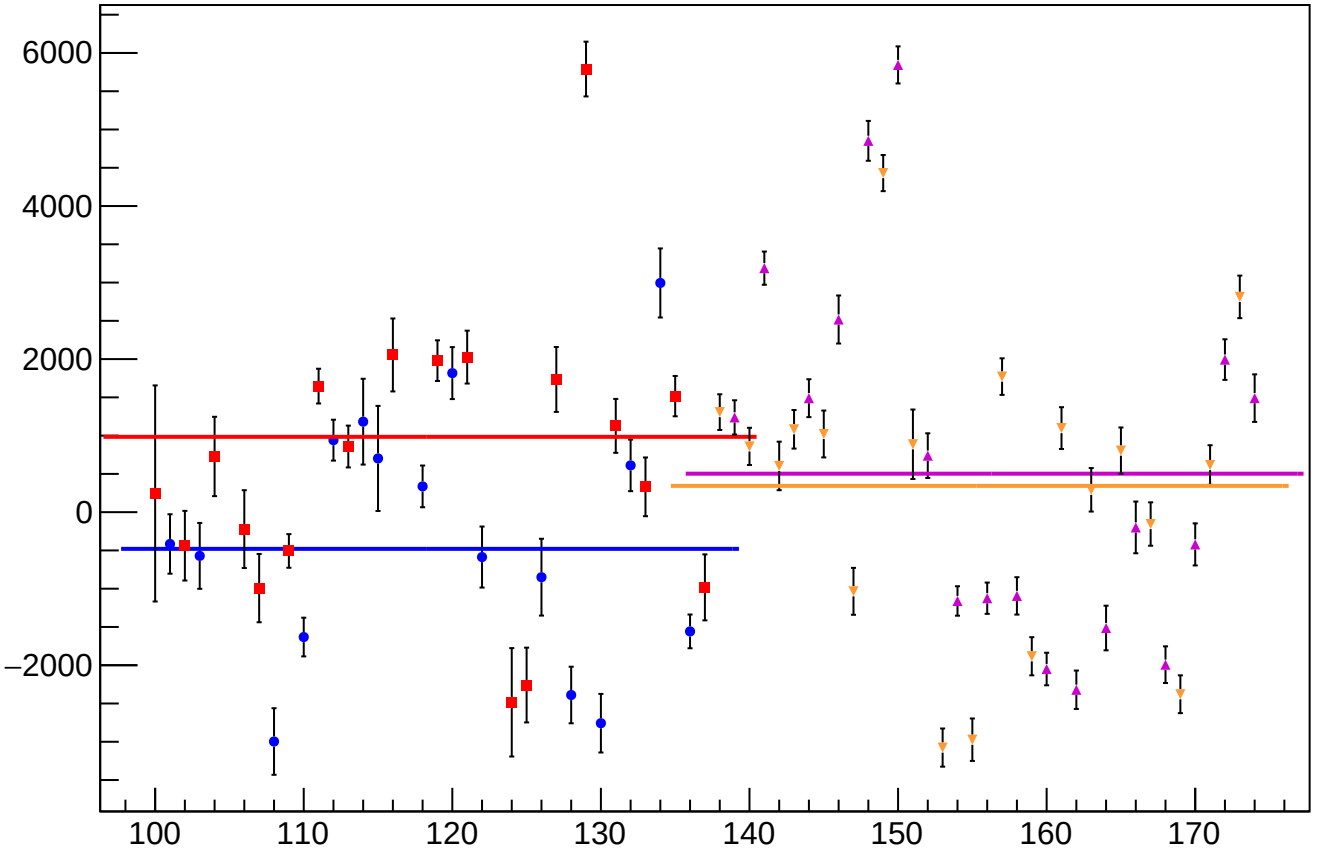
Left In: 197.238+/-0.037 χ^2/NDF:739507.2/17

+ sign 207.481+/-0.032 χ^2/NDF: 1674025.2/34

All: 197.946+/-0.022 χ^2/NDF: 4042736.8/71

- 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: 343.490+/-61.865 χ^2/NDF:1018.4/18

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

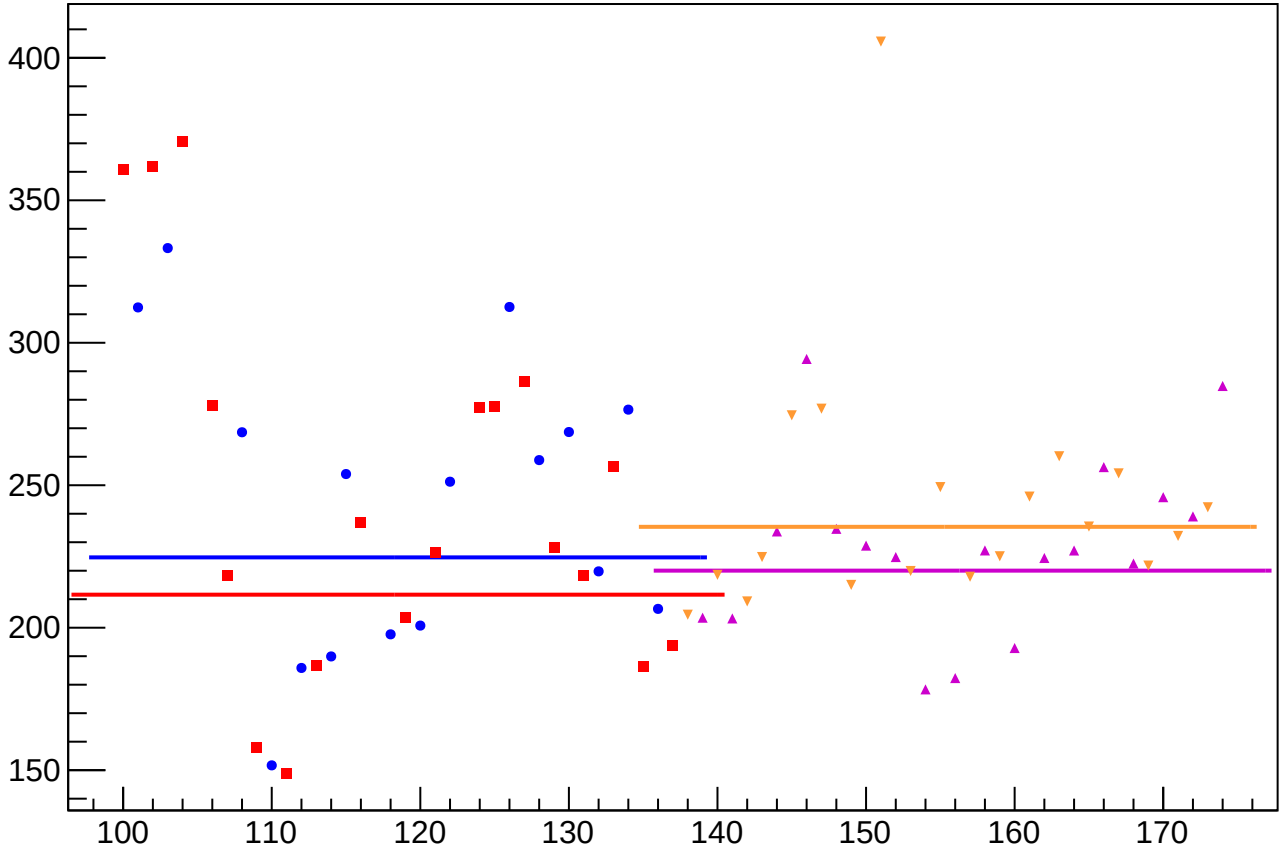
Left In: 502.811+/-58.448 χ^2/NDF:1651.7/17

+ sign 65.836+/-50.356 χ^2/NDF: 1383.5/34

All: 385.137+/-34.509 χ^2/NDF: 3532.5/71

- 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: 235.406+/-0.044 χ^2/NDF:489175.1/18

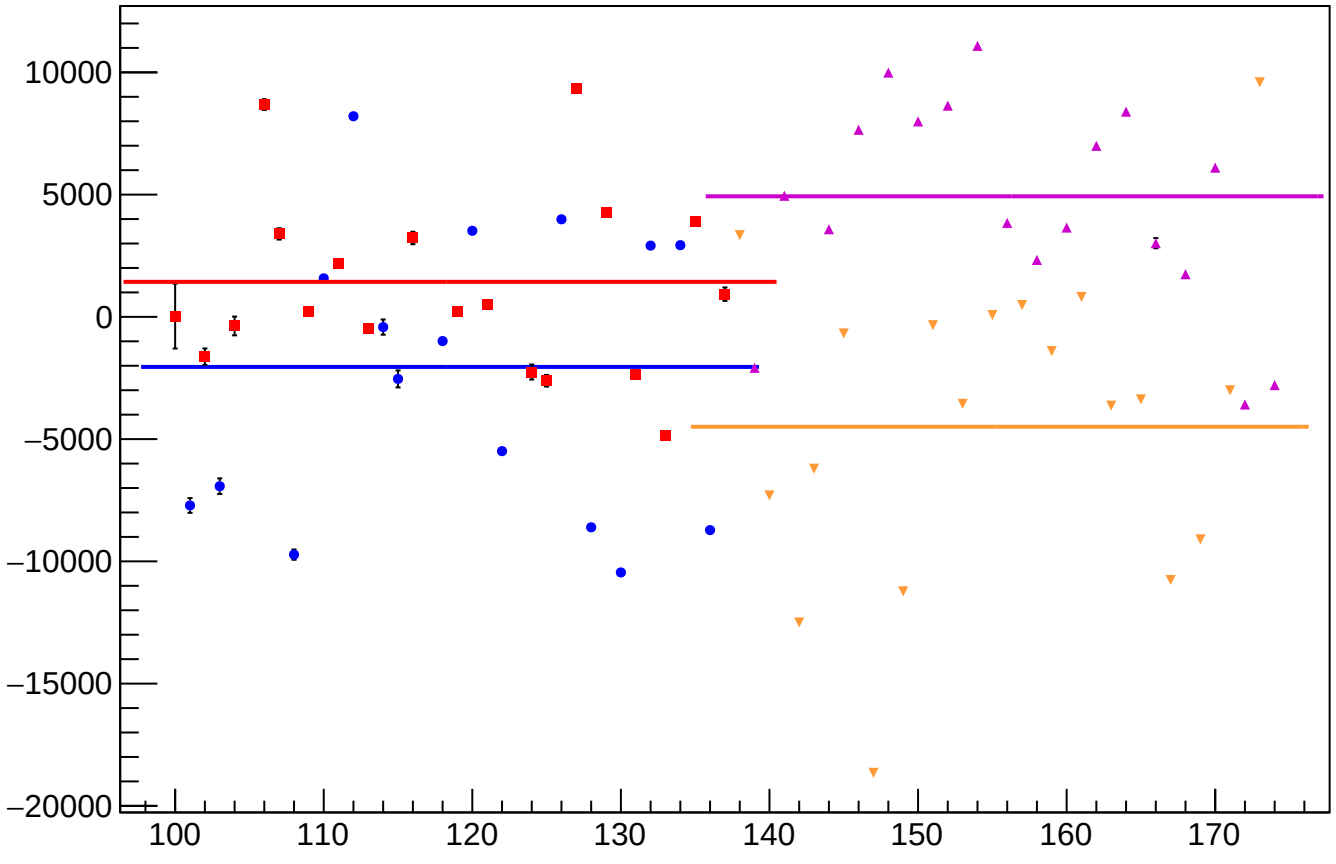
Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 220.031+/-0.041 χ^2/NDF:486916.4/17

+ sign 231.787+/-0.036 χ^2/NDF: 1162644.5/34

All: 224.019+/-0.024 χ^2/NDF: 2686486.3/71

- sign 217.140+/-0.034 χ^2/NDF: 1434097.1/36



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4495.353+/-32.740 χ^2/NDF:37947.0/18

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

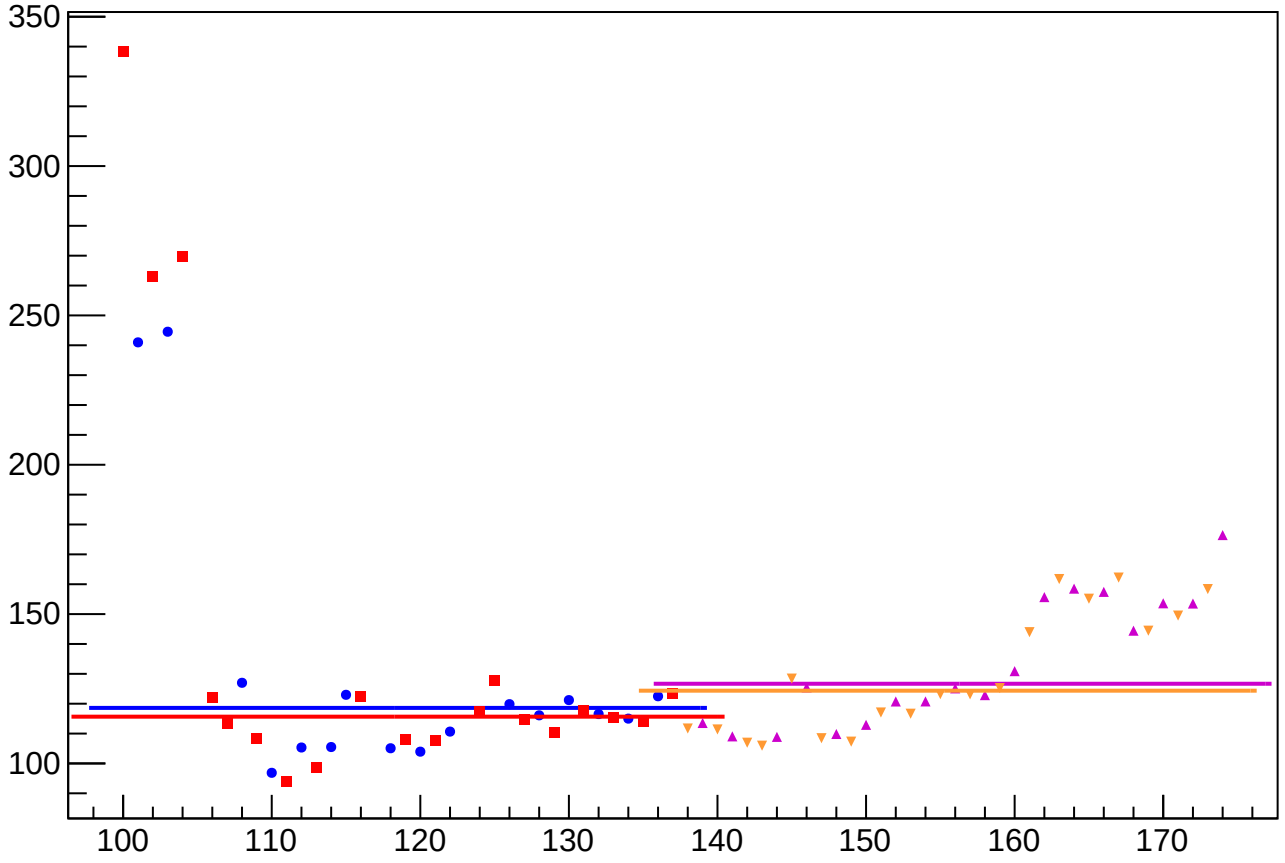
Left In: 4930.863+/-33.492 χ^2/NDF:14639.5/17

+ sign -3689.131+/-26.812 χ^2/NDF: 56497.5/34

All: -7.080+/-18.958 χ^2/NDF: 119156.9/71

- 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: 124.360+/-0.023 χ^2/NDF:604298.2/18

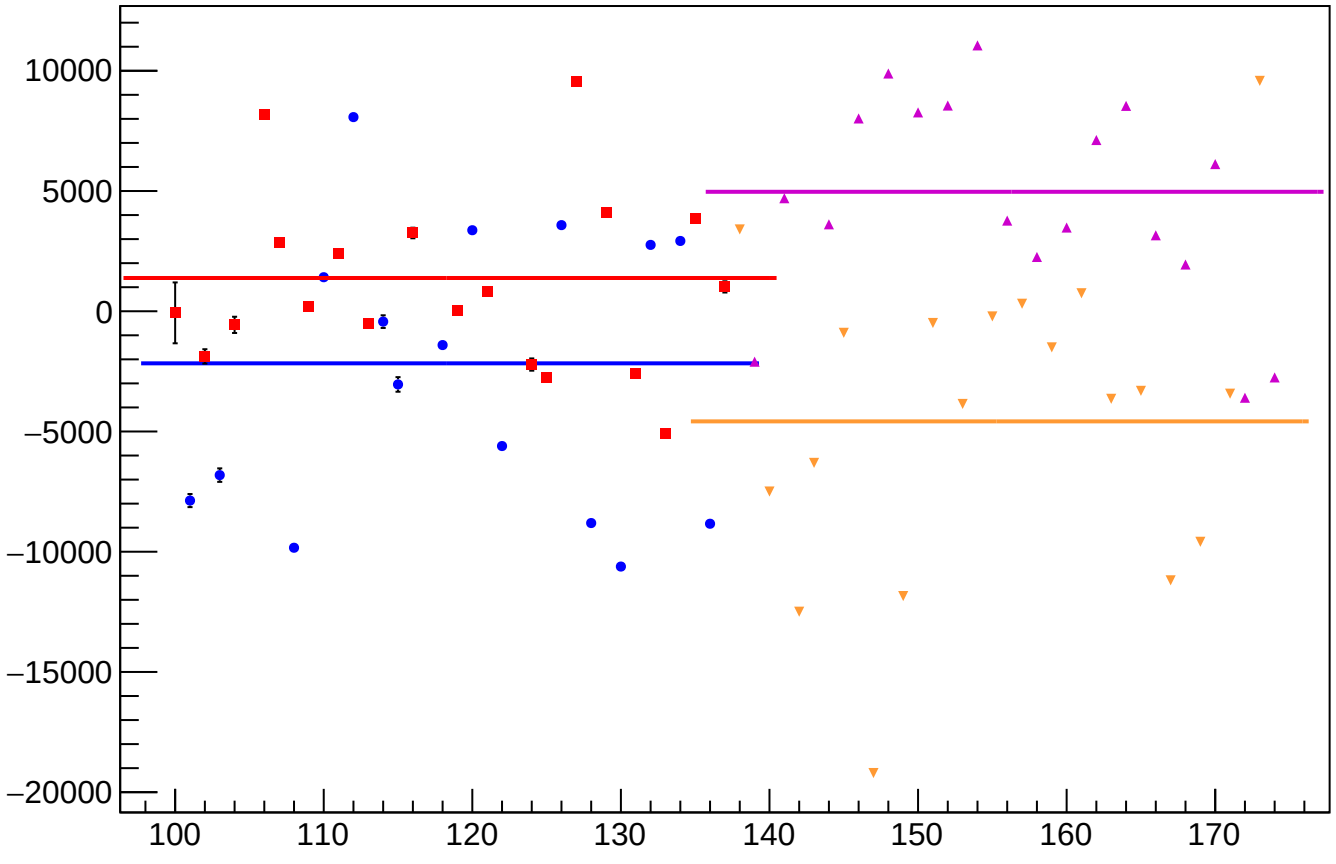
Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 126.681+/-0.024 χ^2/NDF:595082.8/17

\+ sign 122.462+/-0.019 χ^2/NDF: 1358872.8/34

All: 122.592+/-0.013 χ^2/NDF: 2896064.8/71

\- sign 122.722+/-0.019 χ^2/NDF: 1537098.0/36



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4579.548+/-29.561 χ^2/NDF:45832.6/18

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

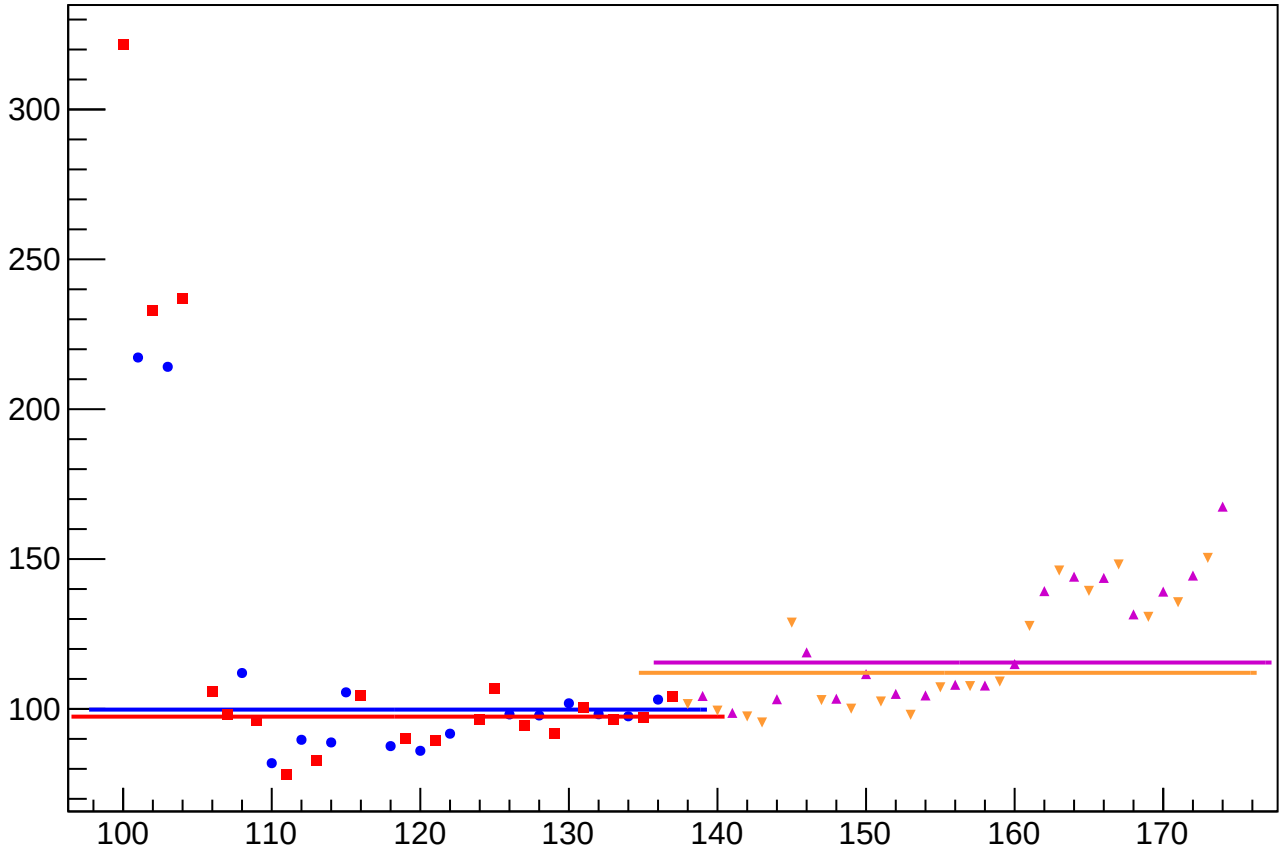
Left In: 4967.624+/-30.562 χ^2/NDF:17496.6/17

+ sign -3716.731+/-23.695 χ^2/NDF: 71090.6/34

All: -96.451+/-16.795 χ^2/NDF: 150053.4/71

- 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: 112.048+/-0.021 χ^2/NDF:662603.5/18

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

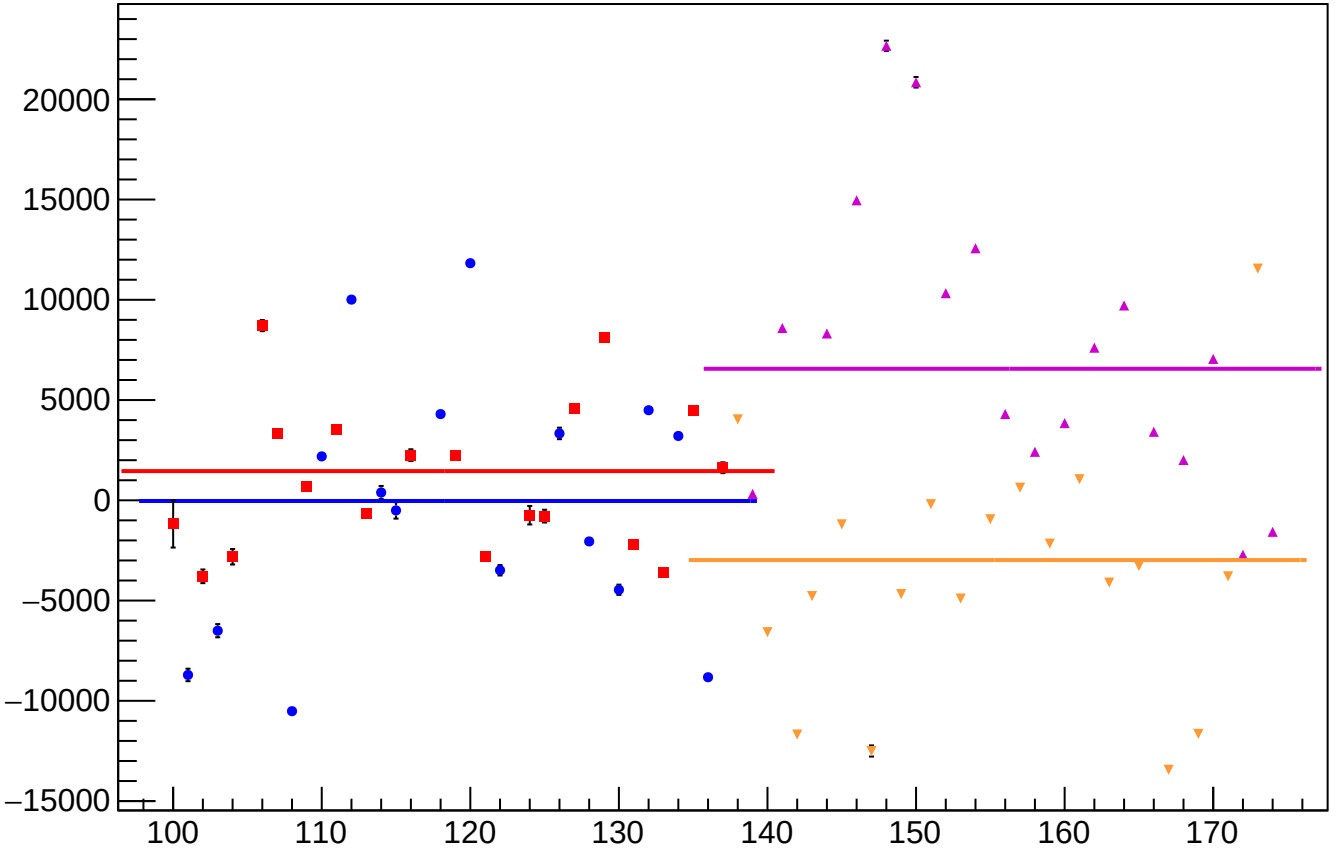
Left In: 115.475+/-0.022 χ^2/NDF:607321.4/17

+ sign 107.661+/-0.017 χ^2/NDF: 1595010.8/34

All: 108.019+/-0.012 χ^2/NDF: 3403460.2/71

- 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: -2979.030+/-41.260 χ^2/NDF:17100.7/18

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

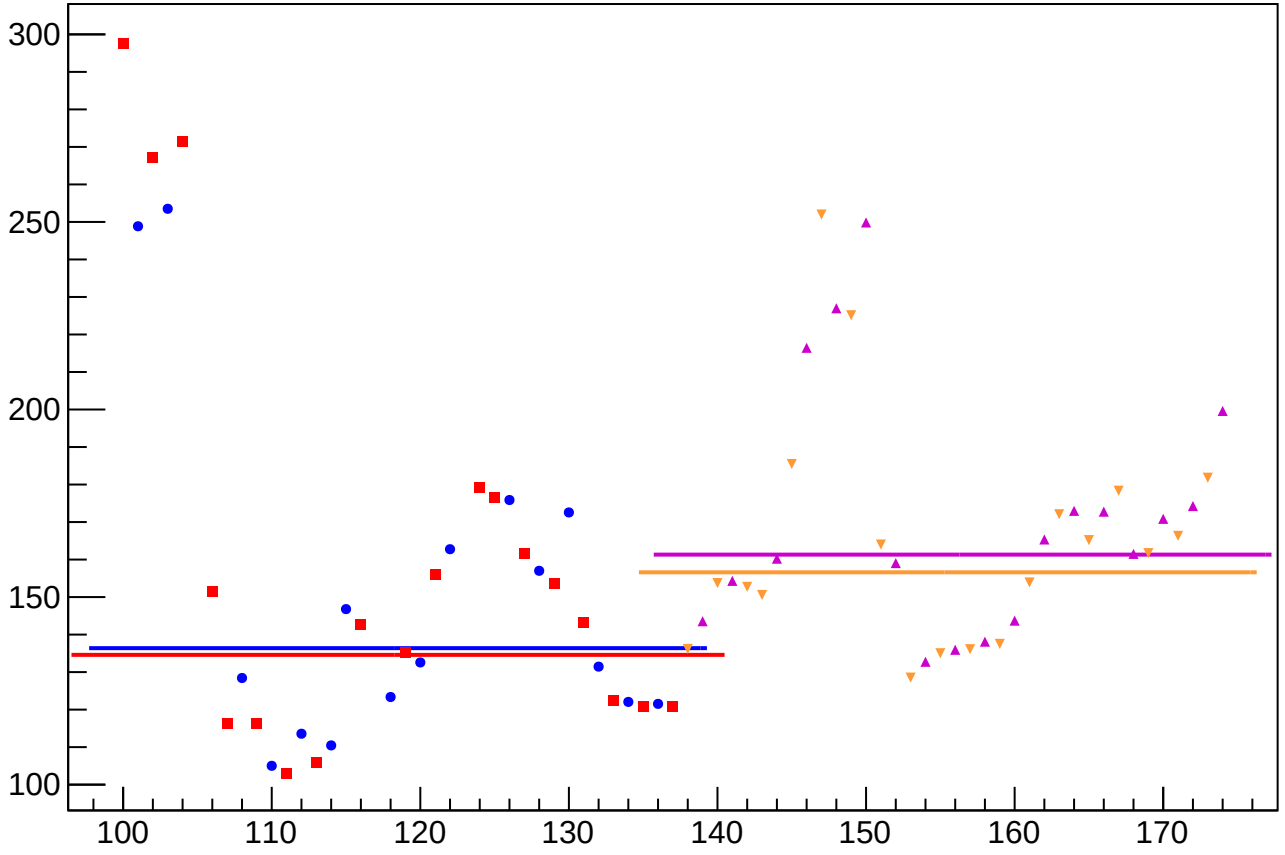
Left In: 6559.807+/-42.806 χ^2/NDF:18381.1/17

+ sign -1880.023+/-32.665 χ^2/NDF: 35804.3/34

All: 1271.999+/-23.227 χ^2/NDF: 82885.9/71

- 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: 156.606+/-0.029 χ^2/NDF:737109.5/18

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

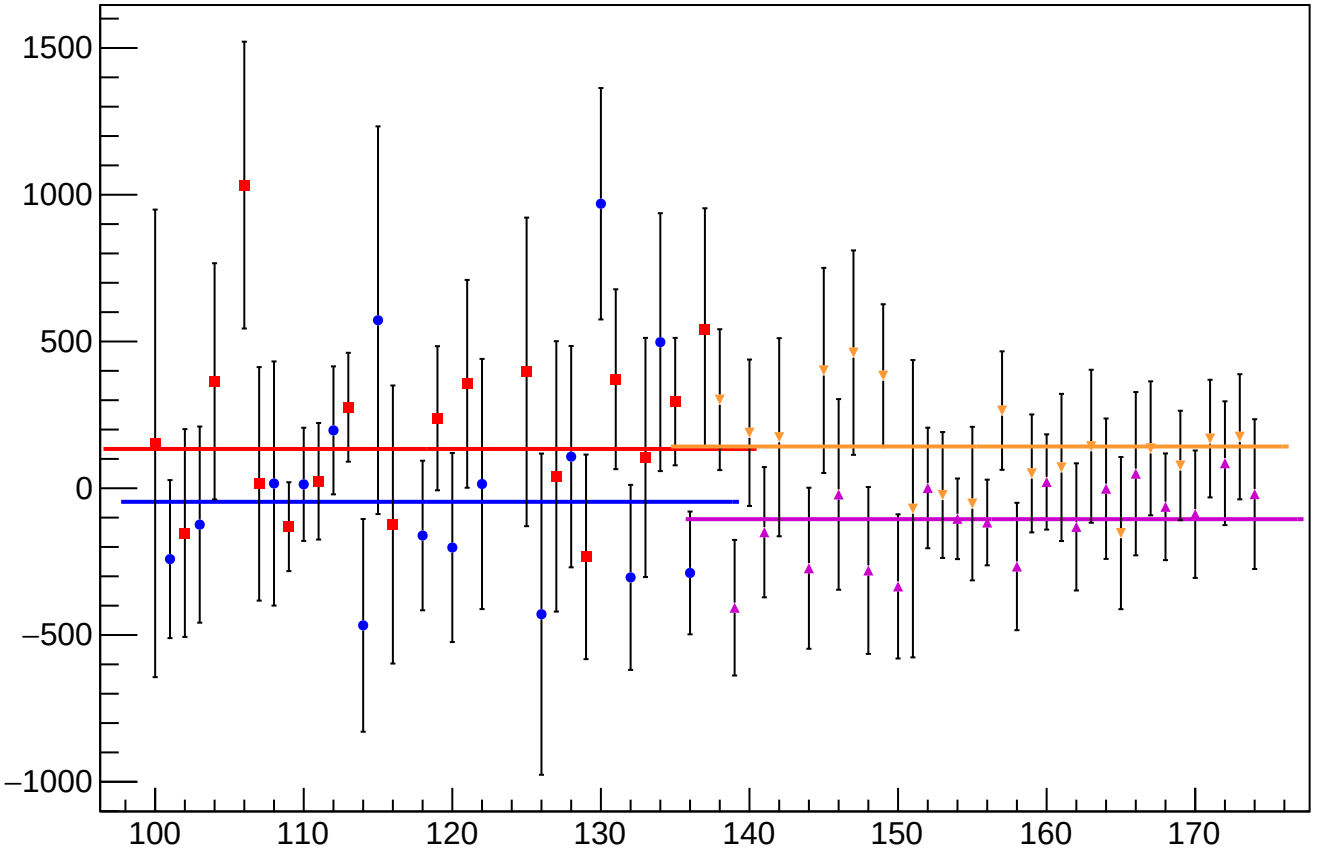
Left In: 161.316+/-0.030 χ^2/NDF:799623.3/17

+ sign 149.058+/-0.023 χ^2/NDF: 1713298.5/34

All: 149.776+/-0.016 χ^2/NDF: 3749587.3/71

- sign 150.511+/-0.023 χ^2/NDF: 2034333.4/36

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 142.312+/-57.218 χ^2/NDF:6.3/17

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

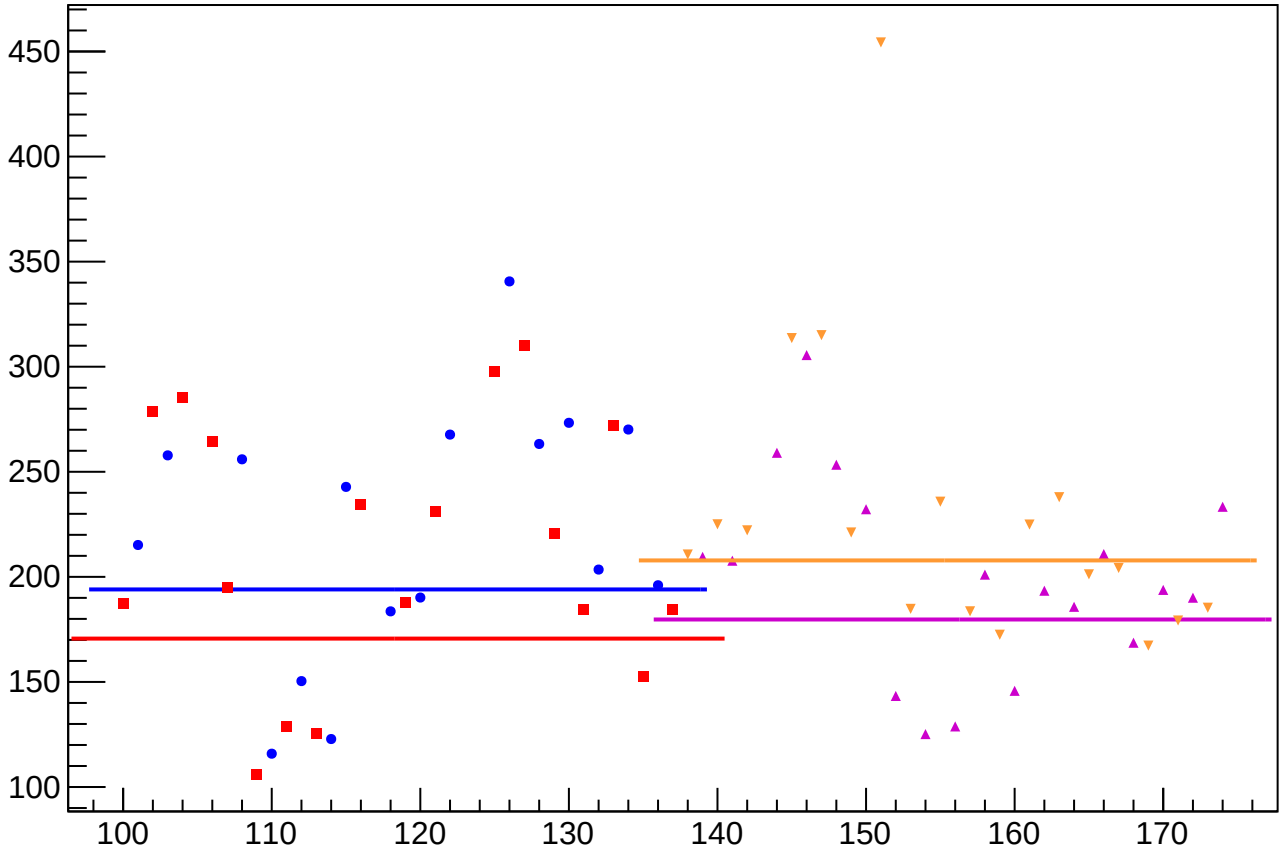
Left In: -105.331+/-49.106 χ^2/NDF:6.4/17

+ sign 74.440+/-45.773 χ^2/NDF: 25.7/33

All: 18.506+/-30.074 χ^2/NDF: 55.6/69

- sign -23.981+/-39.893 χ^2/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: 207.822+/-0.040 χ^2/NDF:1197580.4/17

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

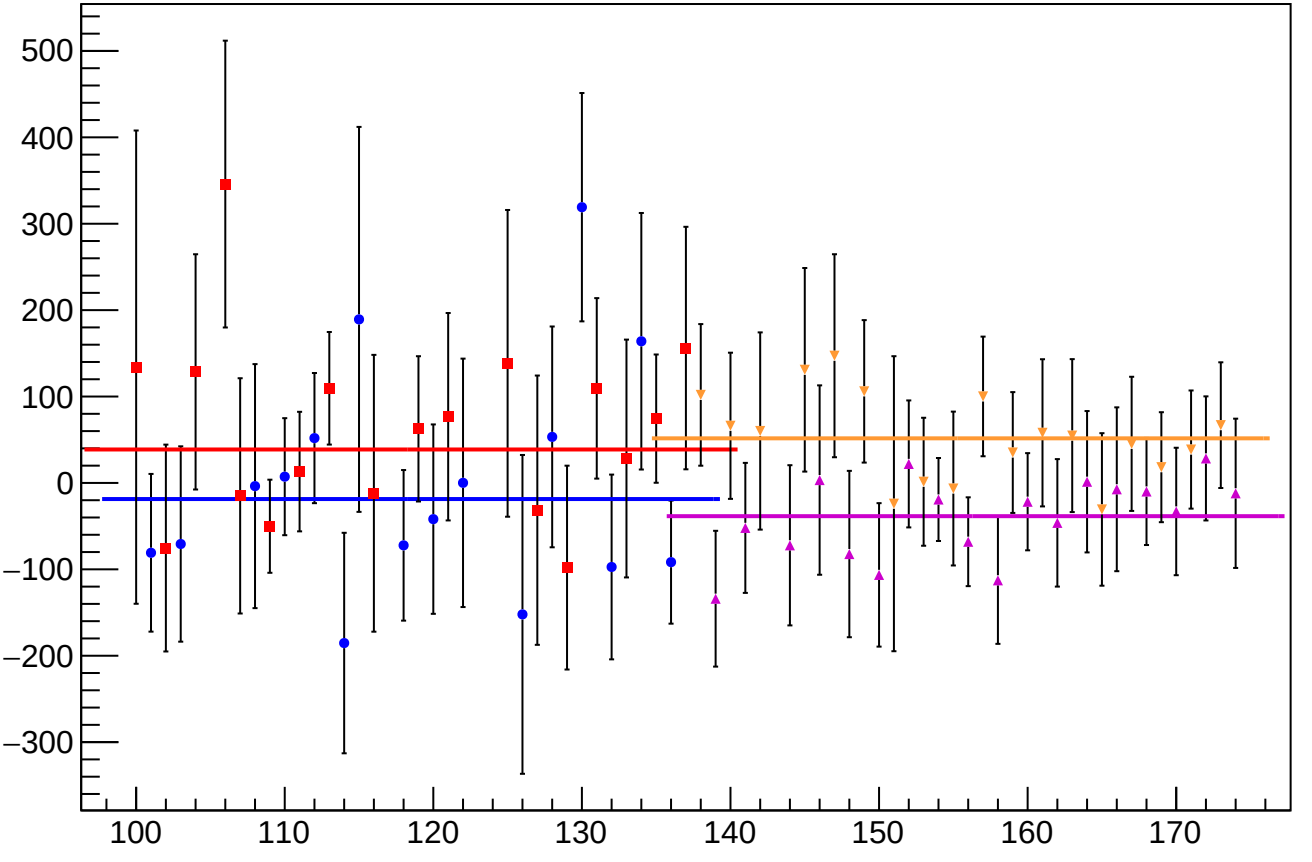
Left In: 179.713+/-0.035 χ^2/NDF:1629335.0/17

+ sign 202.851+/-0.032 χ^2/NDF: 2283084.9/33

All: 187.945+/-0.021 χ^2/NDF: 5902668.2/69

- 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: 51.616+/-19.528 χ^2/NDF:4.8/17

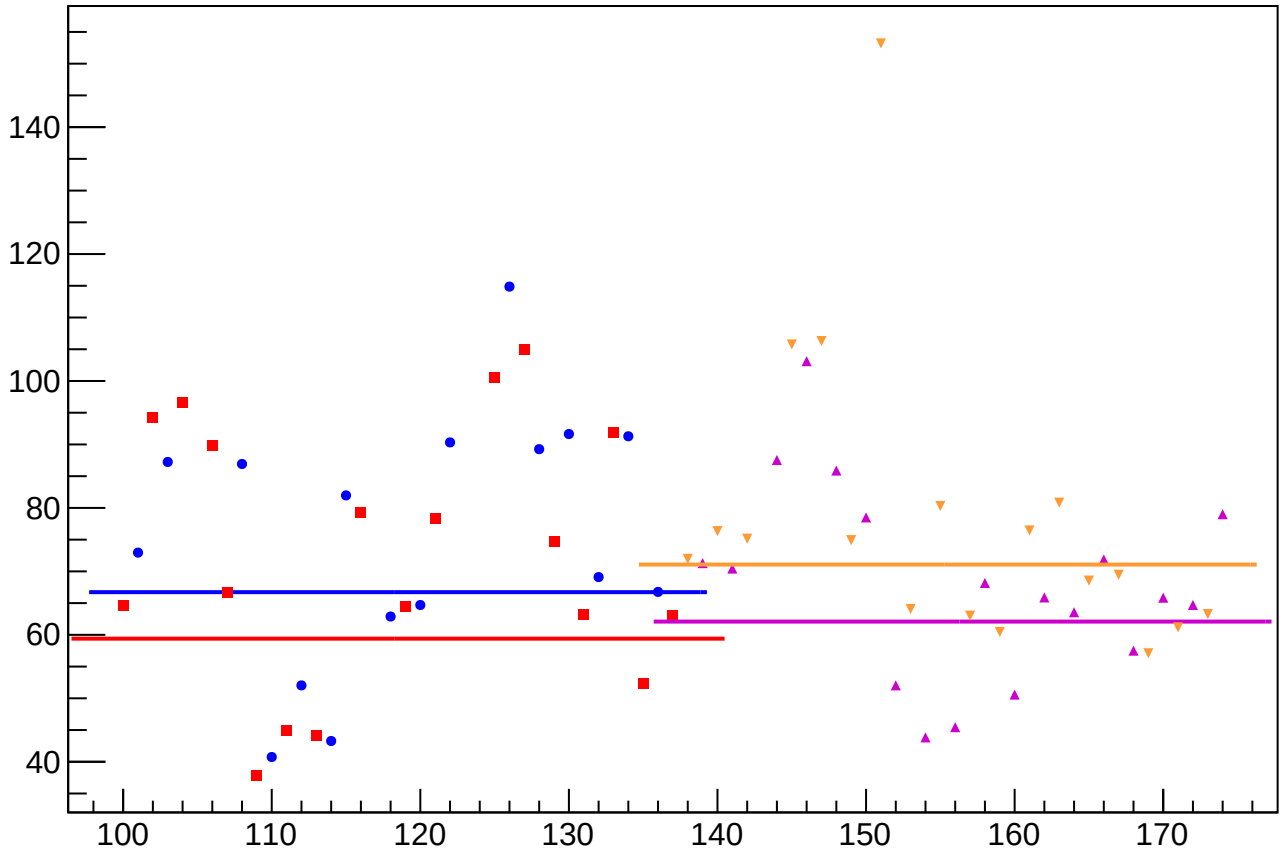
Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: -38.471+/-16.889 χ^2/NDF:6.5/17

+ sign 26.429+/-15.641 χ^2/NDF: 24.7/33

All: 4.517+/-10.325 χ^2/NDF: 54.3/69

- 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: 71.073+/-0.014 χ^2/NDF:1139328.9/17

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

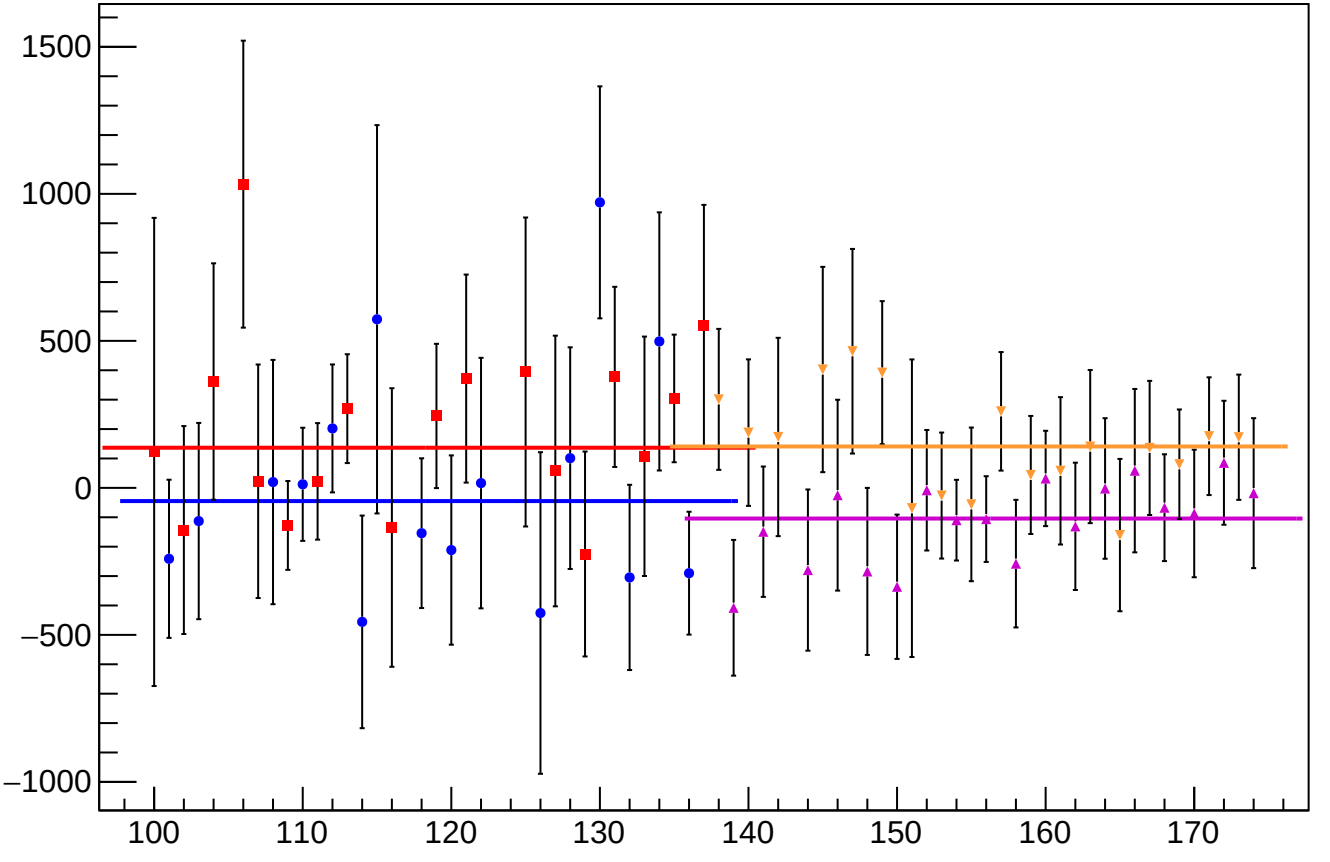
Left In: 62.089+/-0.012 χ^2/NDF:1439365.8/17

+ sign 69.514+/-0.011 χ^2/NDF: 2121930.7/33

All: 64.812+/-0.007 χ^2/NDF: 5344109.5/69

- 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: 140.819+/-57.171 χ^2/NDF:6.5/17

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

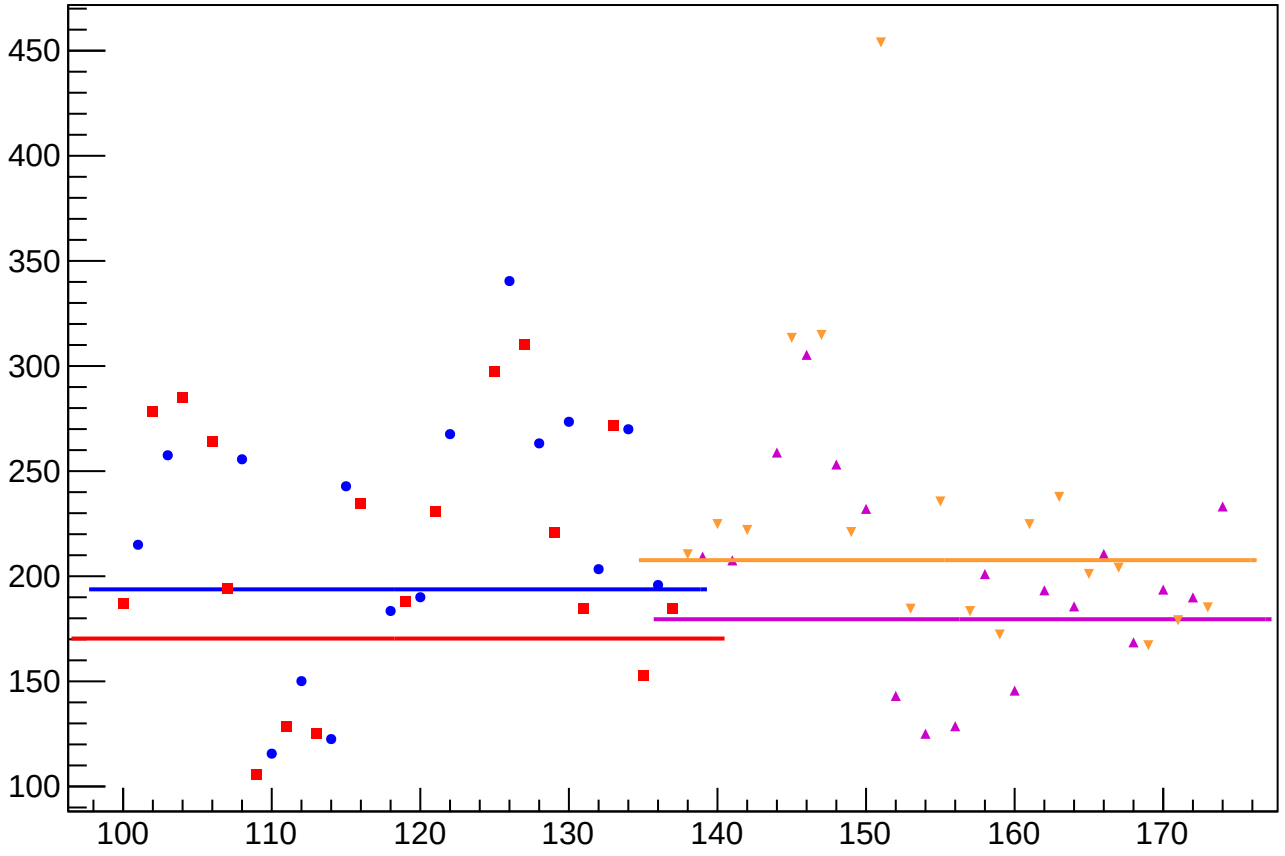
Left In: -104.327+/-49.065 χ^2/NDF:6.5/17

+ sign 73.921+/-45.730 χ^2/NDF: 25.8/33

All: 19.200+/-30.045 χ^2/NDF: 55.9/69

- 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: 207.647+/-0.040 χ^2/NDF:1198178.5/17

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

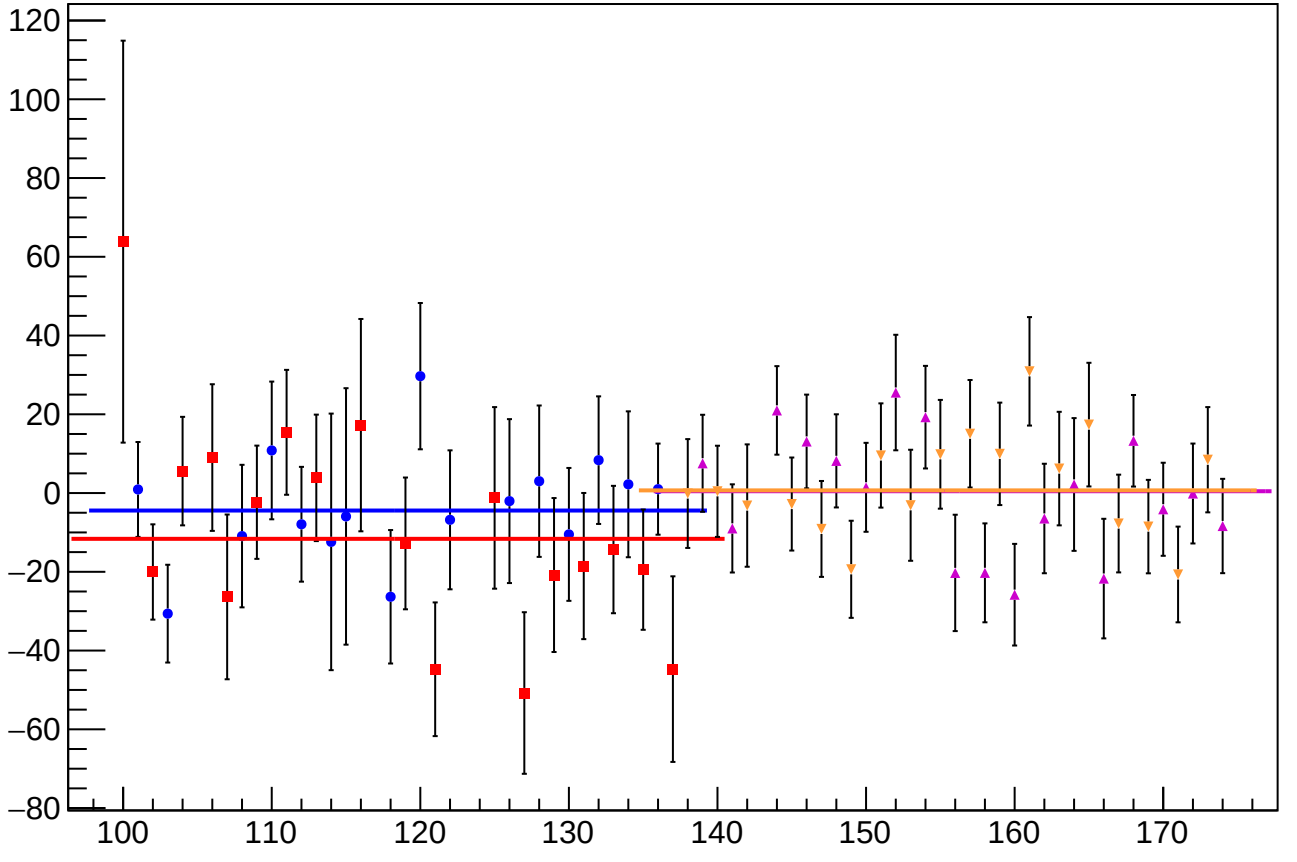
Left In: 179.552+/-0.035 χ^2/NDF:1631554.8/17

+ sign 202.648+/-0.032 χ^2/NDF: 2288726.8/33

All: 187.743+/-0.021 χ^2/NDF: 5916999.1/69

- 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: 0.676+/-3.091 χ^2/NDF:16.6/17

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

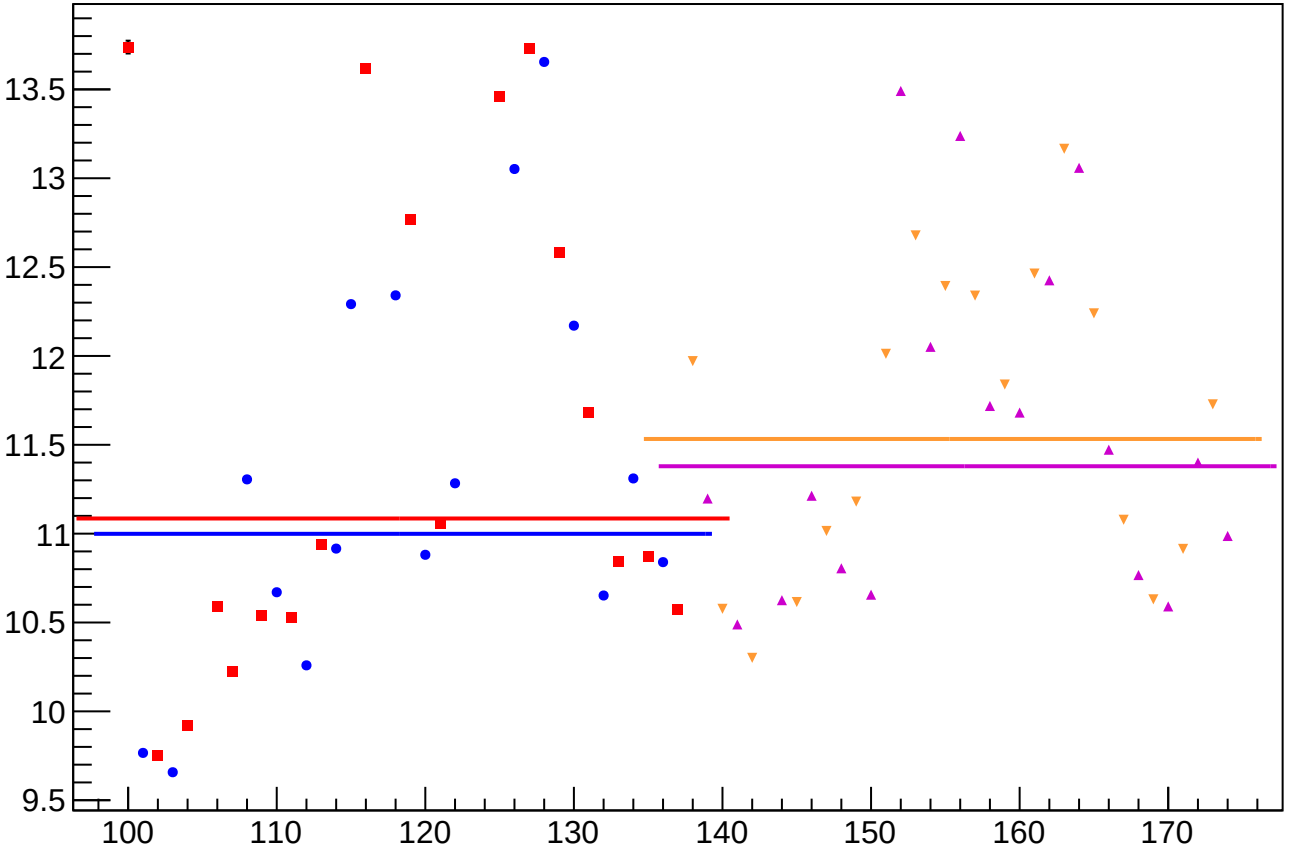
Left In: 0.462+/-2.978 χ^2/NDF:24.1/17

\+ sign -1.160+/-2.475 χ^2/NDF: 29.6/33

All: -2.442+/-1.729 χ^2/NDF: 81.4/69

\- 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: 11.533+/-0.002 χ^2/NDF:135921.0/17

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

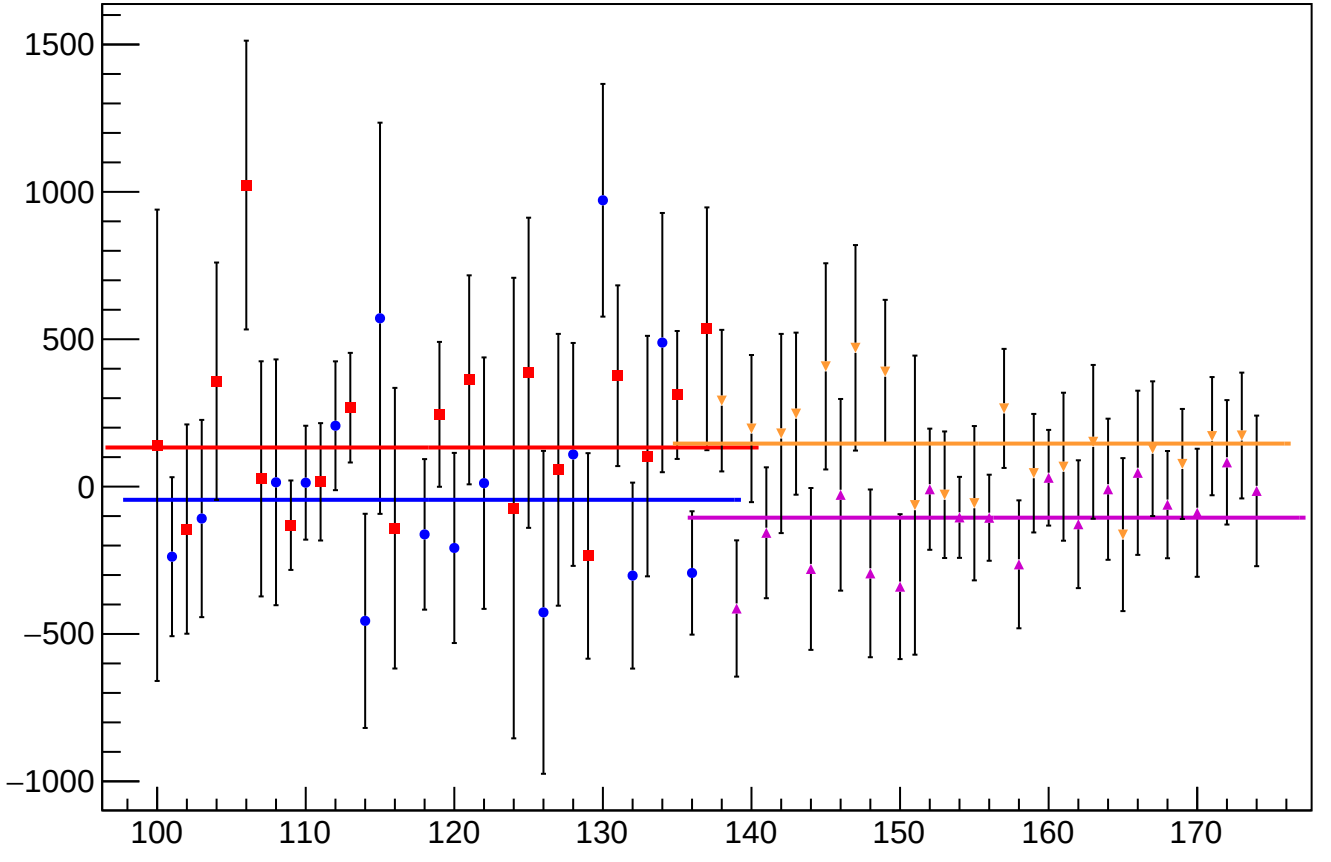
Left In: 11.379+/-0.002 χ^2/NDF:164200.8/17

+ sign 11.341+/-0.002 χ^2/NDF: 293489.2/33

All: 11.309+/-0.001 χ^2/NDF: 627197.9/69

- 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: 145.948+/-56.069 χ^2/NDF:6.7/18

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

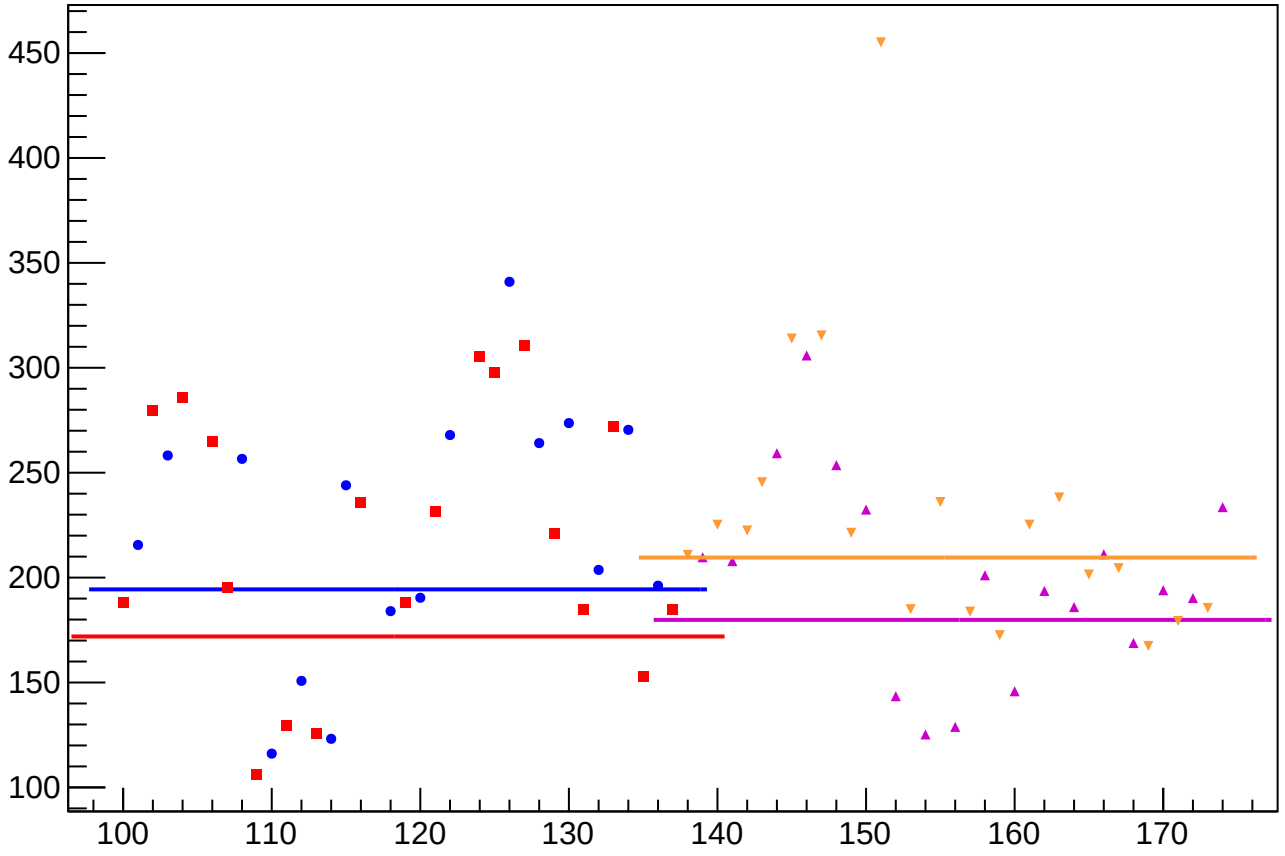
Left In: -105.412+/-49.145 χ^2/NDF:6.5/17

+ sign 79.204+/-45.207 χ^2/NDF: 26.2/34

All: 21.101+/-29.909 χ^2/NDF: 56.5/71

- 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: 209.564+/-0.040 χ^2/NDF:1234827.4/18

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

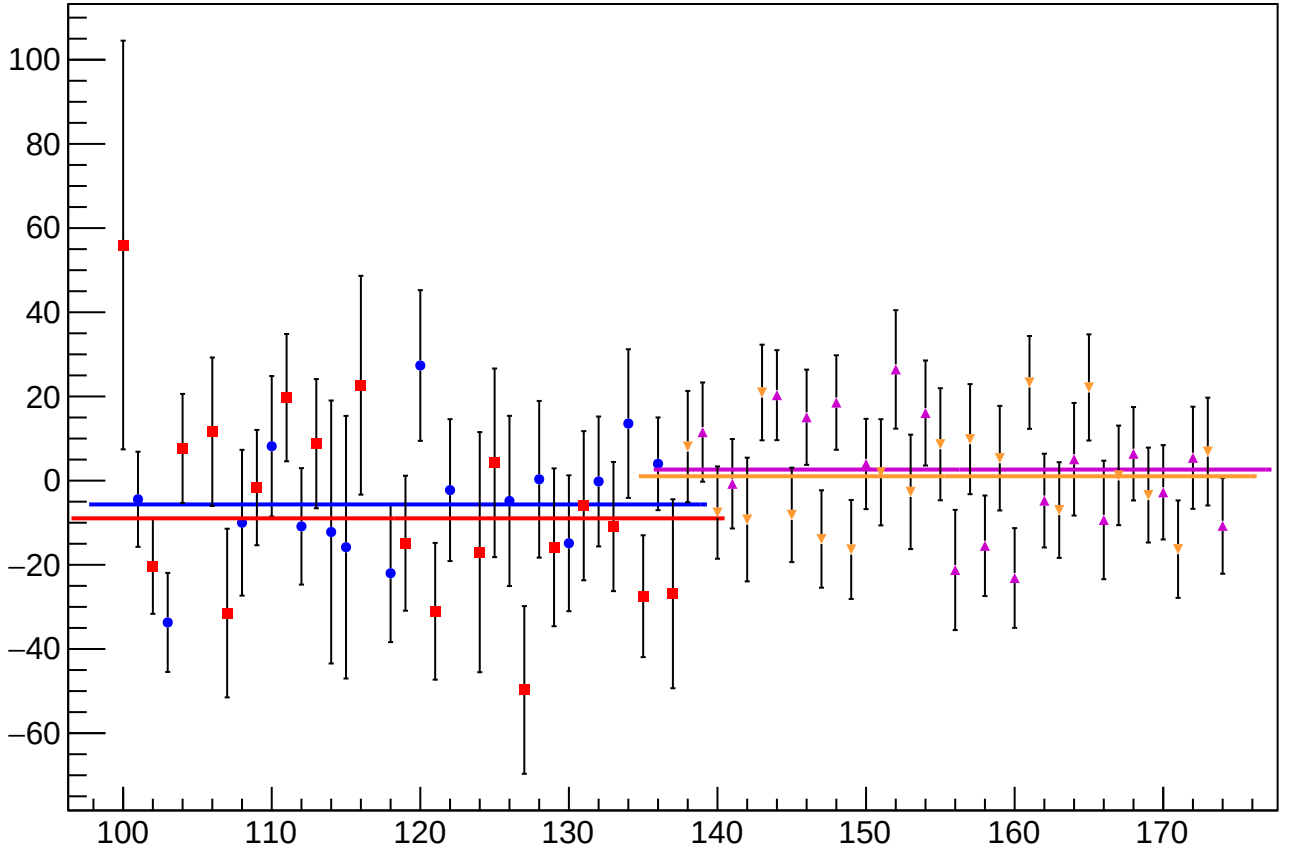
Left In: 179.843+/-0.035 χ^2/NDF:1631981.5/17

+ sign 204.253+/-0.032 χ^2/NDF: 2328143.9/34

All: 189.012+/-0.021 χ^2/NDF: 6033347.4/71

- 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: 1.037+/-2.778 χ^2/NDF:20.0/18

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

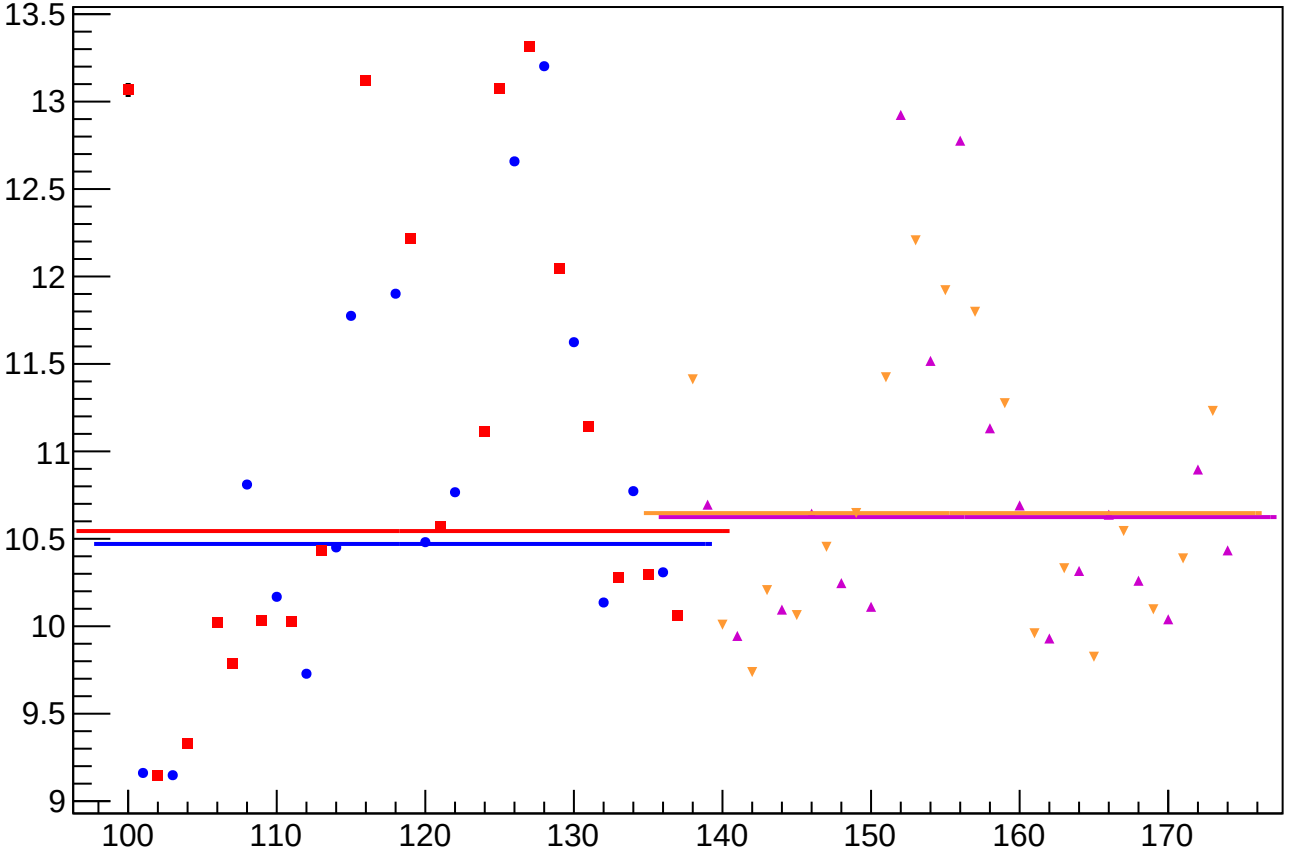
Left In: 2.631+/-2.784 χ^2/NDF:23.4/17

\+ sign -1.187+/-2.270 χ^2/NDF: 35.6/34

All: -1.234+/-1.604 χ^2/NDF: 87.6/71

\- 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: 10.647+/-0.002 χ^2/NDF:130794.7/18

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

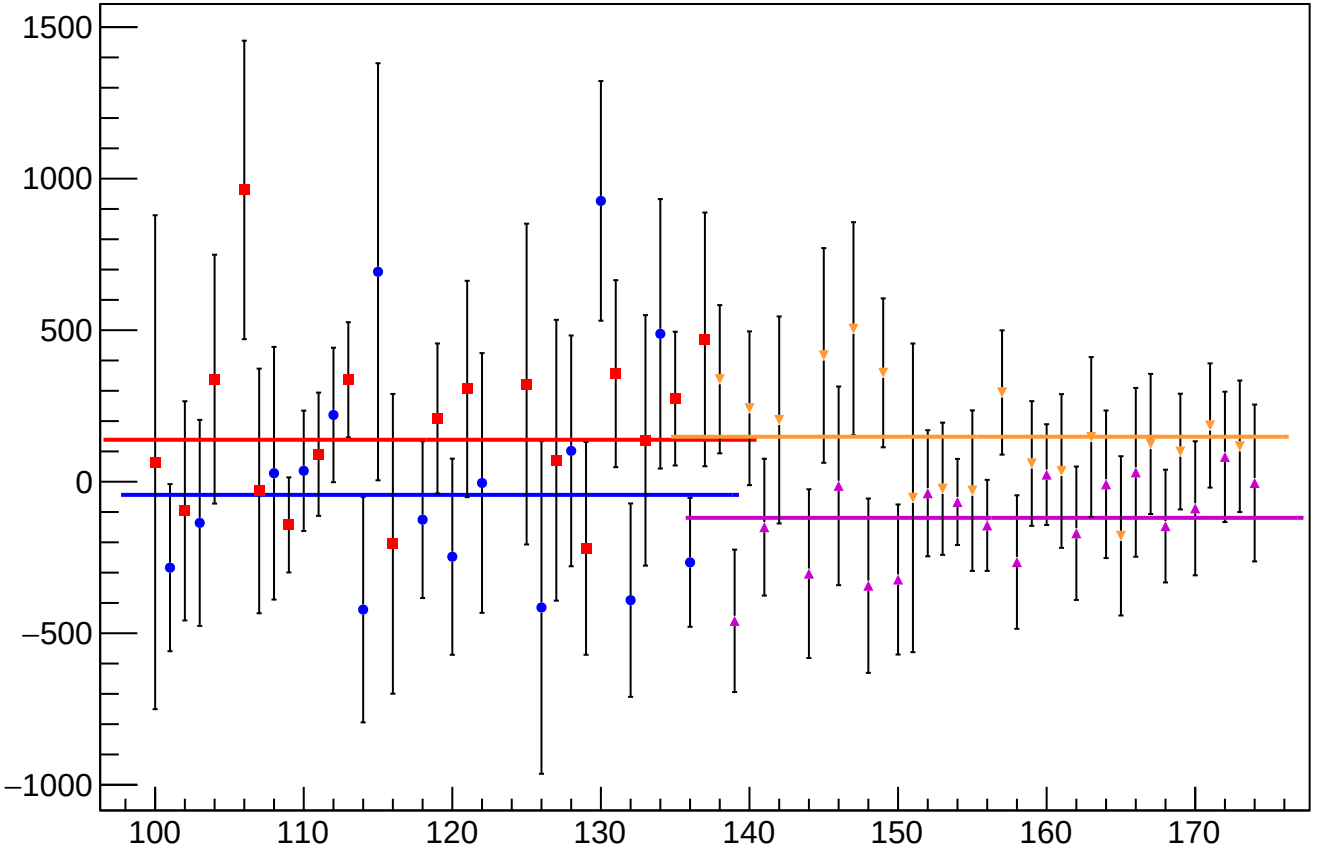
Left In: 10.624+/-0.002 χ^2/NDF:150665.5/17

+ sign 10.588+/-0.002 χ^2/NDF: 290839.8/34

All: 10.593+/-0.001 χ^2/NDF: 628857.4/71

- 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: 148.423+/-58.169 χ^2/NDF:6.9/17

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

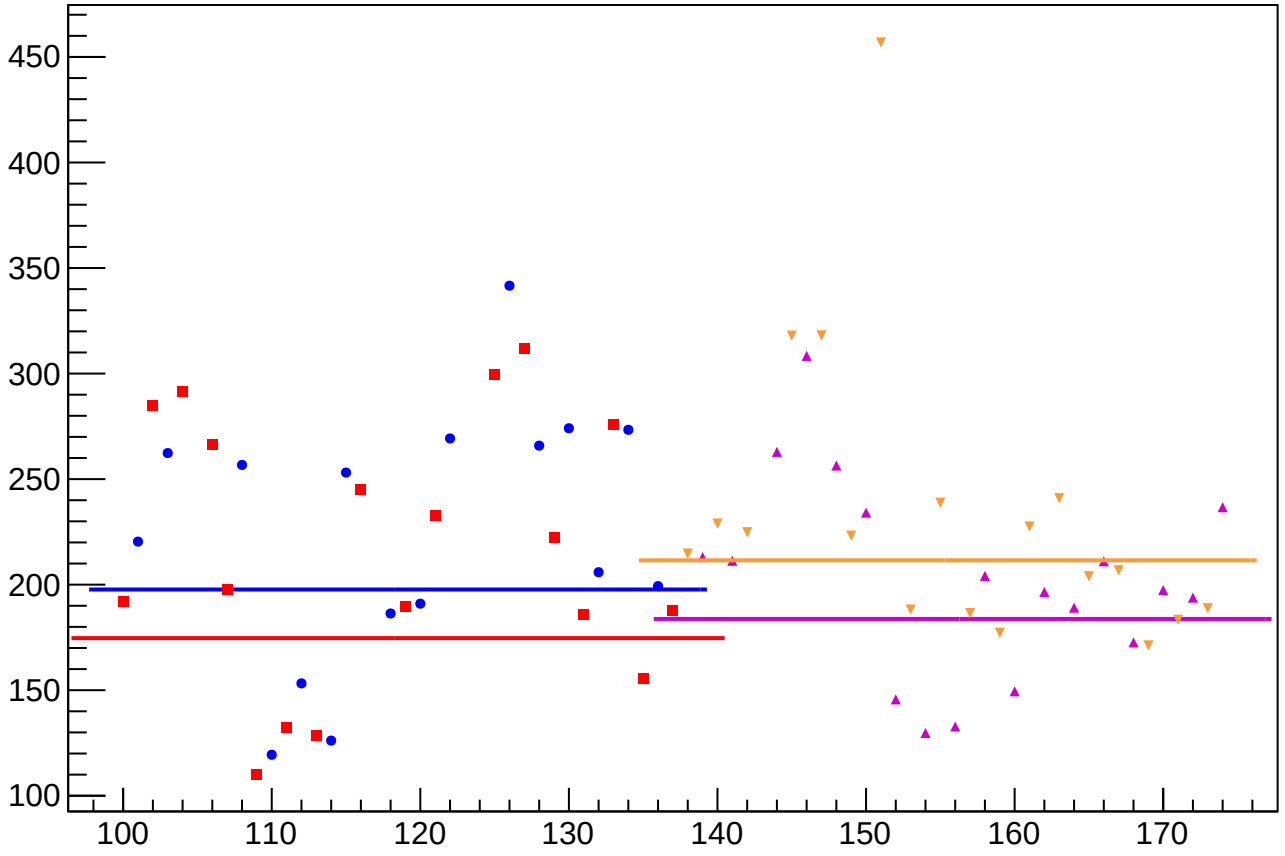
Left In: -119.170+/-50.107 χ^2/NDF:7.1/17

+ sign 79.401+/-46.541 χ^2/NDF: 26.3/33

All: 16.510+/-30.642 χ^2/NDF: 57.0/69

- 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: 211.533+/-0.041 χ^2/NDF:1159407.4/17

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

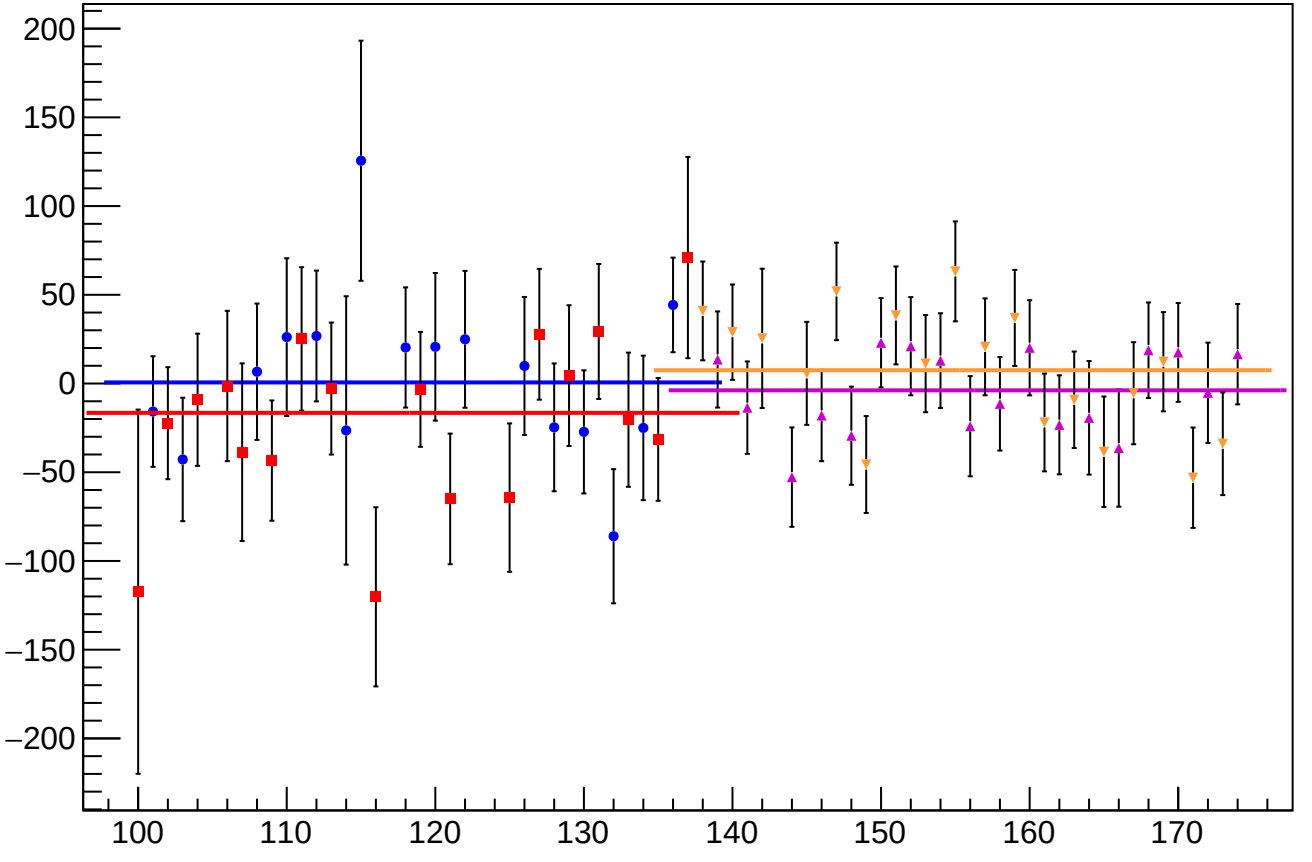
Left In: 183.759+/-0.035 χ^2/NDF:1540108.2/17

+ sign 206.558+/-0.033 χ^2/NDF: 2200388.8/33

All: 191.894+/-0.022 χ^2/NDF: 5648042.8/69

- 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: 7.495+/-6.678 χ^2/NDF:25.9/17

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

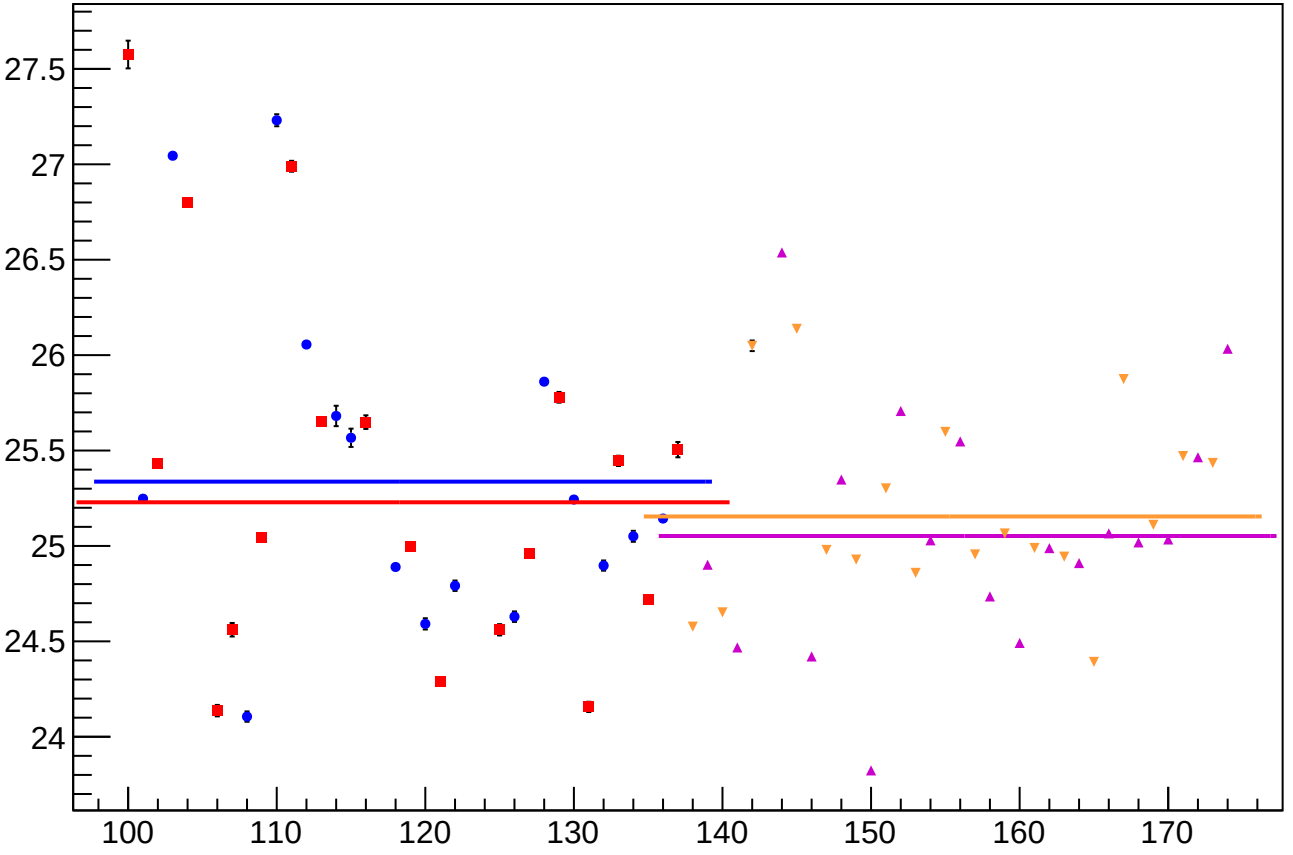
Left In: -3.831+/-6.502 χ^2/NDF:12.0/17

+ sign 5.196+/-5.448 χ^2/NDF: 42.9/33

All: -1.545+/-3.810 χ^2/NDF: 75.6/69

- 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: 25.154+/-0.005 χ^2/NDF:9110.7/17

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

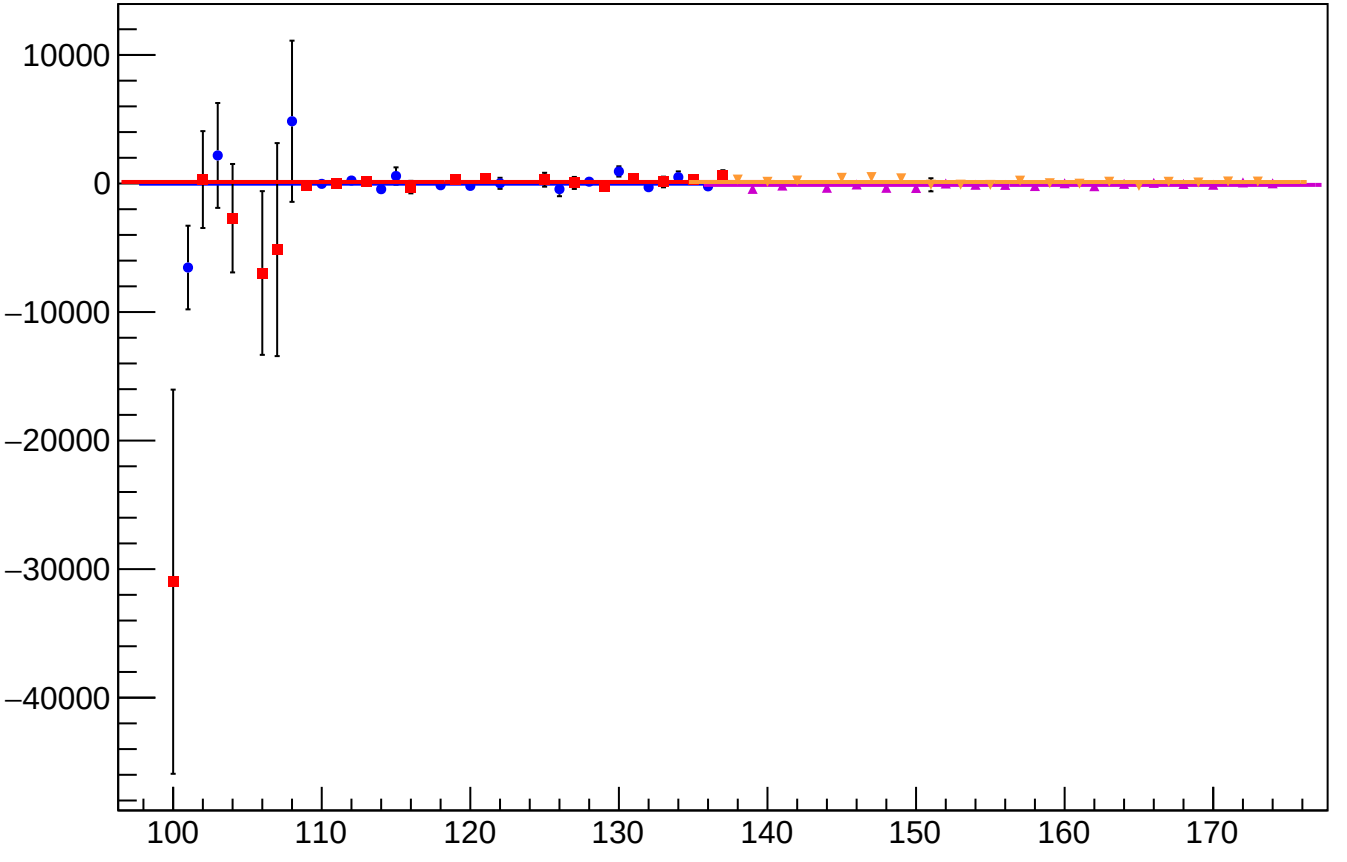
Left In: 25.052+/-0.005 χ^2/NDF:18682.2/17

+ sign 25.216+/-0.004 χ^2/NDF: 23925.4/33

All: 25.162+/-0.003 χ^2/NDF: 58651.2/69

- 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: 117.178+/-58.538 χ^2/NDF:7.8/17

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

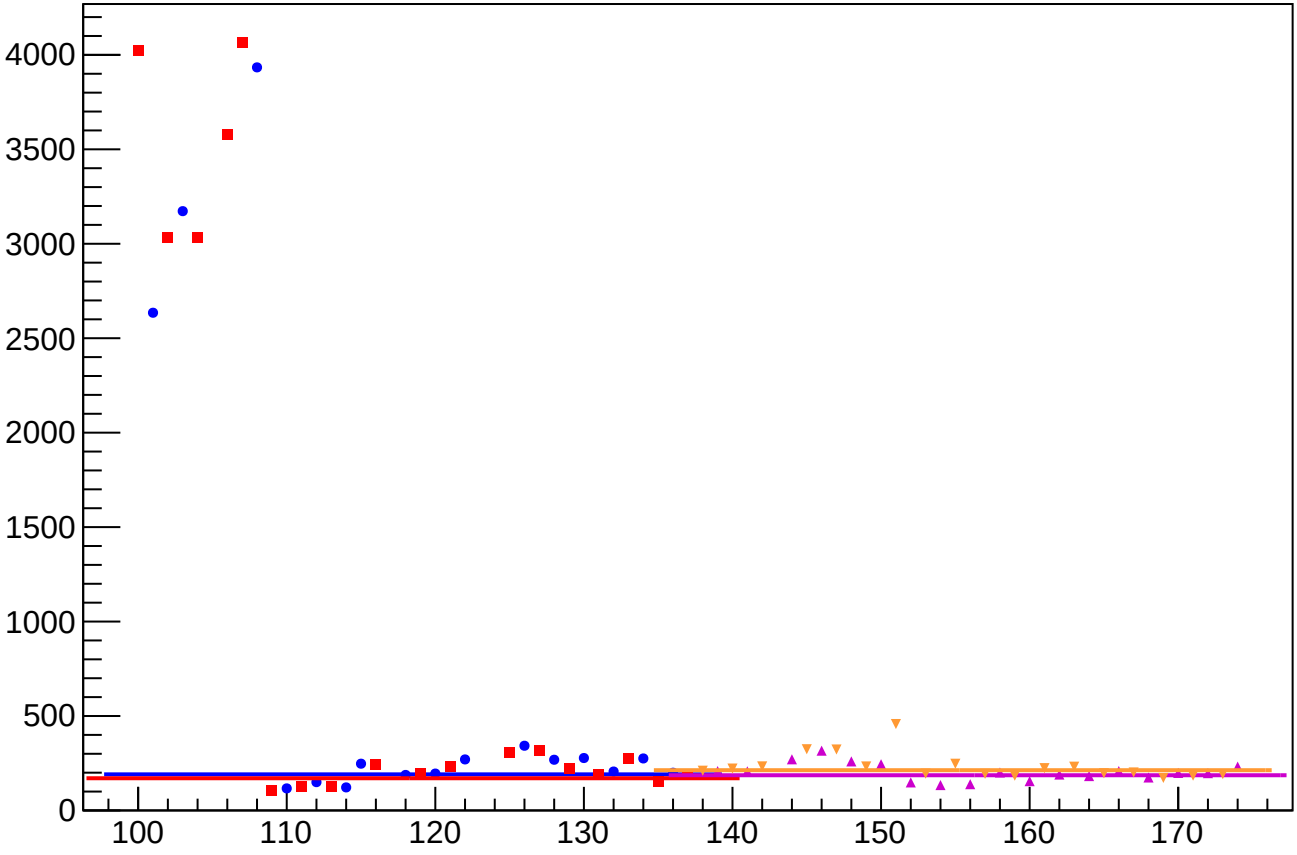
Left In: -107.924+/-50.689 χ^2/NDF:6.7/17

+ sign 74.880+/-48.111 χ^2/NDF: 27.8/33

All: 10.100+/-31.870 χ^2/NDF: 58.1/69

- 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: 213.078+/-0.041 χ^2/NDF:1135390.6/17

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

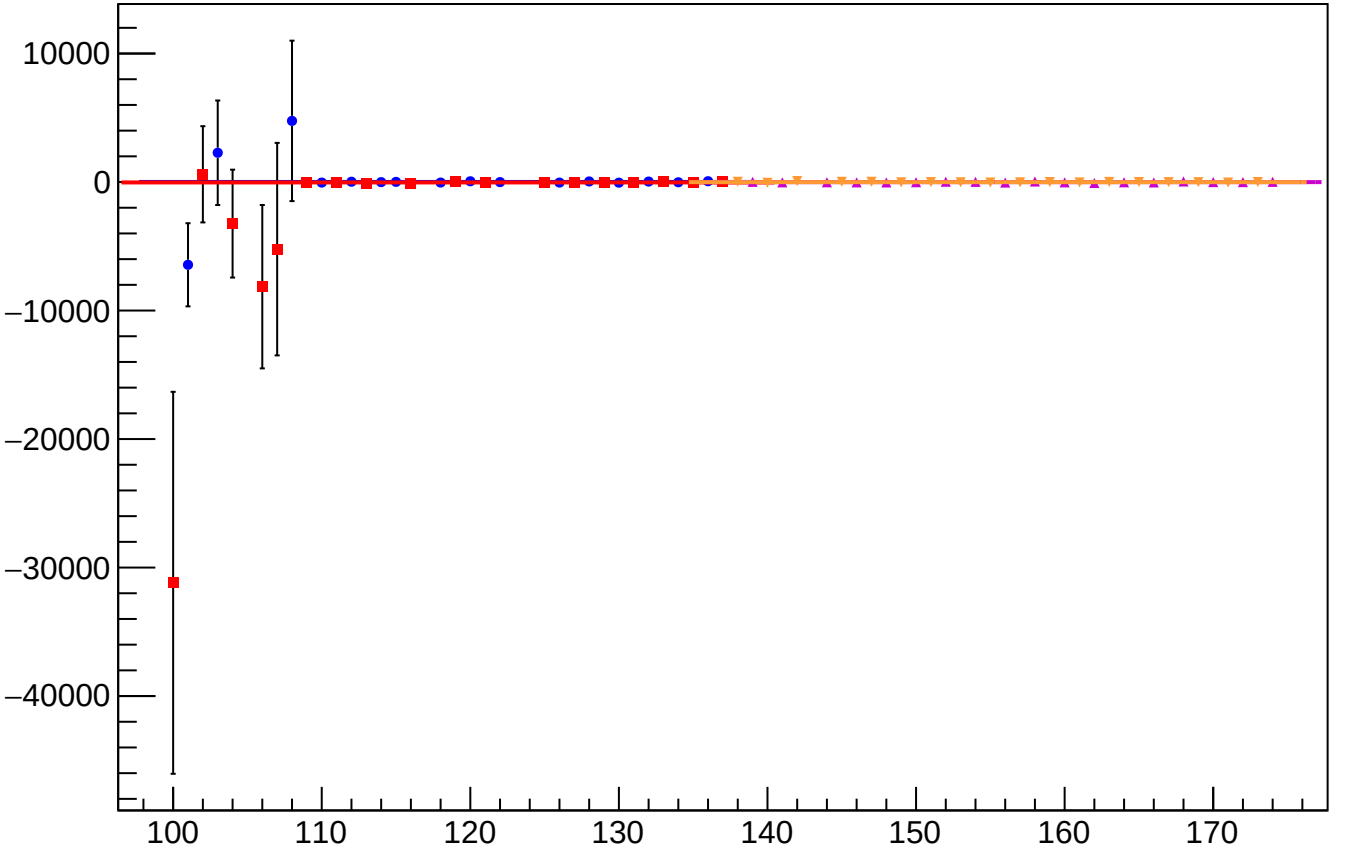
Left In: 186.423+/-0.036 χ^2/NDF:1404817.7/17

+ sign 205.936+/-0.034 χ^2/NDF: 5061081.0/33

All: 192.343+/-0.023 χ^2/NDF: 11063580.9/69

- 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: -8.642+/-7.653 χ^2/NDF:11.6/17

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

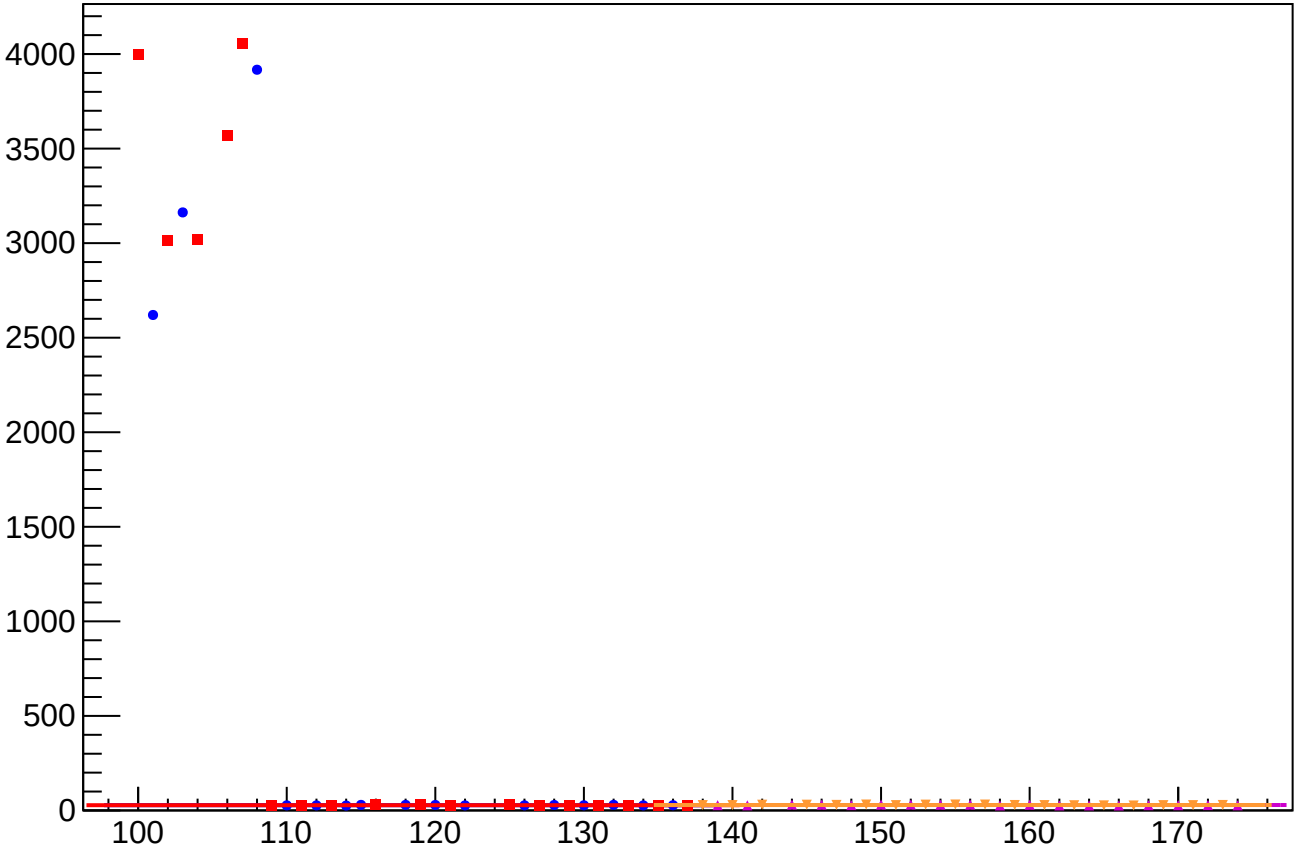
Left In: -6.679+/-7.487 χ^2/NDF:16.7/17

+ sign -4.142+/-6.415 χ^2/NDF: 31.1/33

All: -8.784+/-4.518 χ^2/NDF: 71.6/69

- 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: 28.771+/-0.005 χ^2/NDF:72676.9/17

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

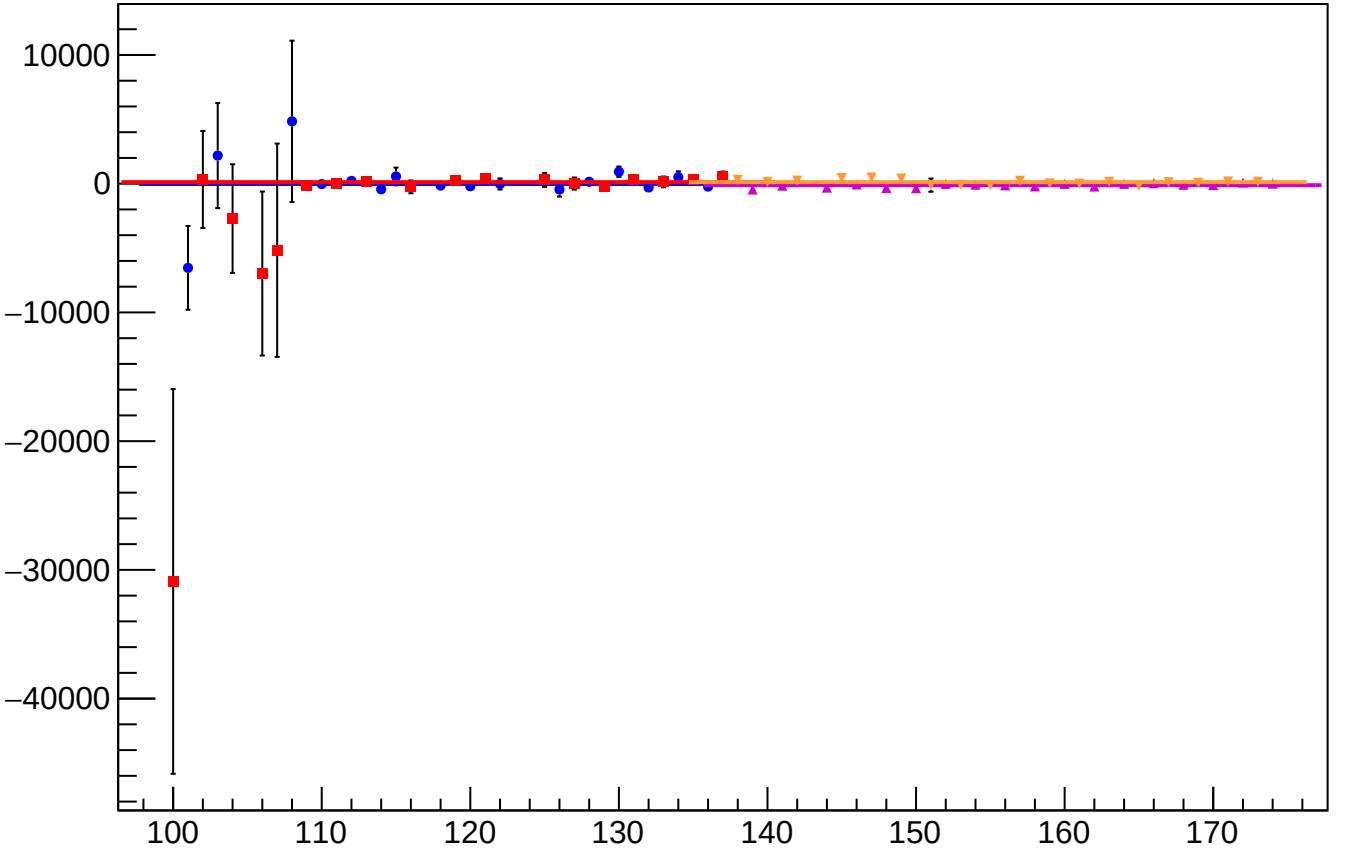
Left In: 28.774+/-0.005 χ^2/NDF:117010.7/17

+ sign 28.490+/-0.005 χ^2/NDF: 3347664.7/33

All: 28.494+/-0.003 χ^2/NDF: 7032888.2/69

- 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: 121.954+/-59.021 χ^2/NDF:7.6/17

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

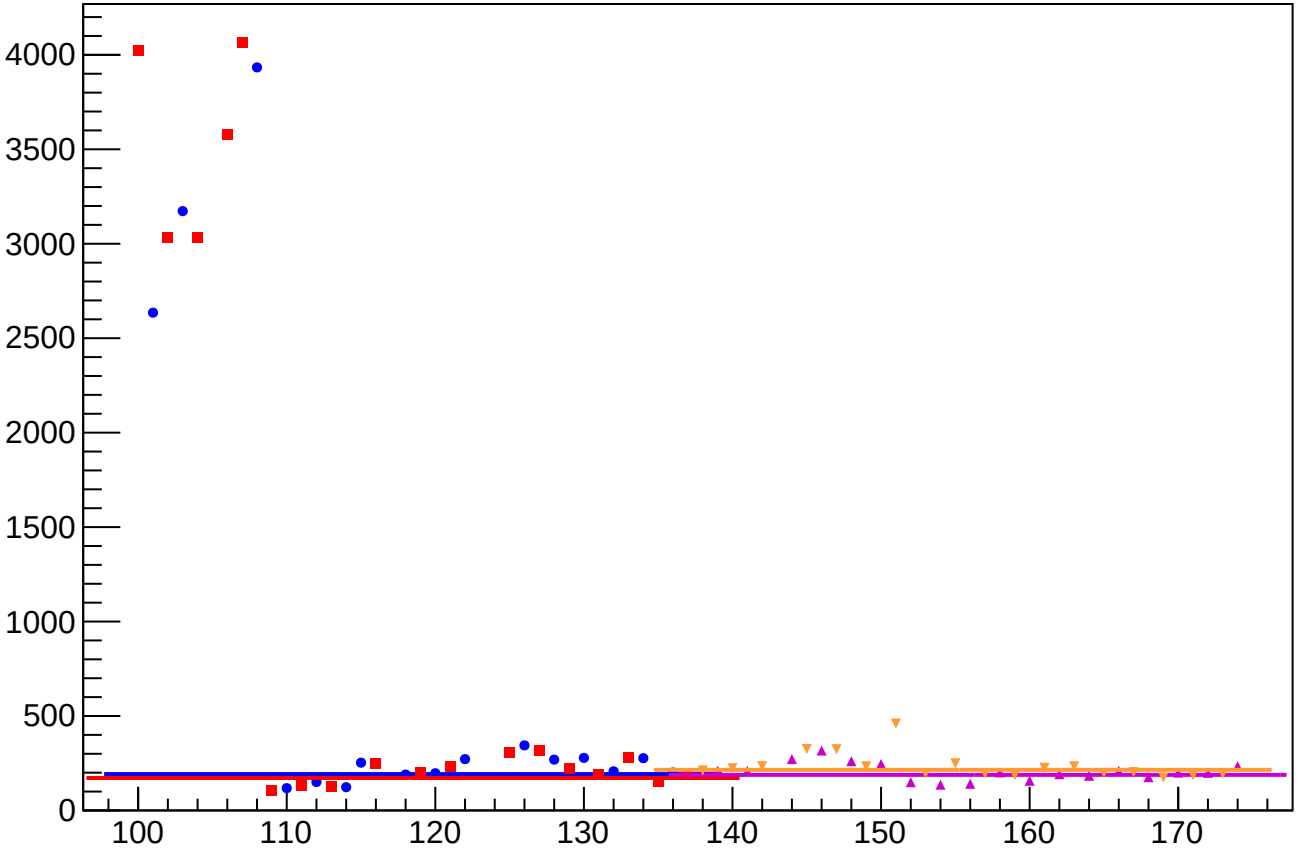
Left In: -116.861+/-51.171 χ^2/NDF:6.6/17

+ sign 75.978+/-48.491 χ^2/NDF: 27.6/33

All: 7.473+/-32.140 χ^2/NDF: 57.4/69

- 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: 214.937+/-0.042 χ^2/NDF:1117638.7/17

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

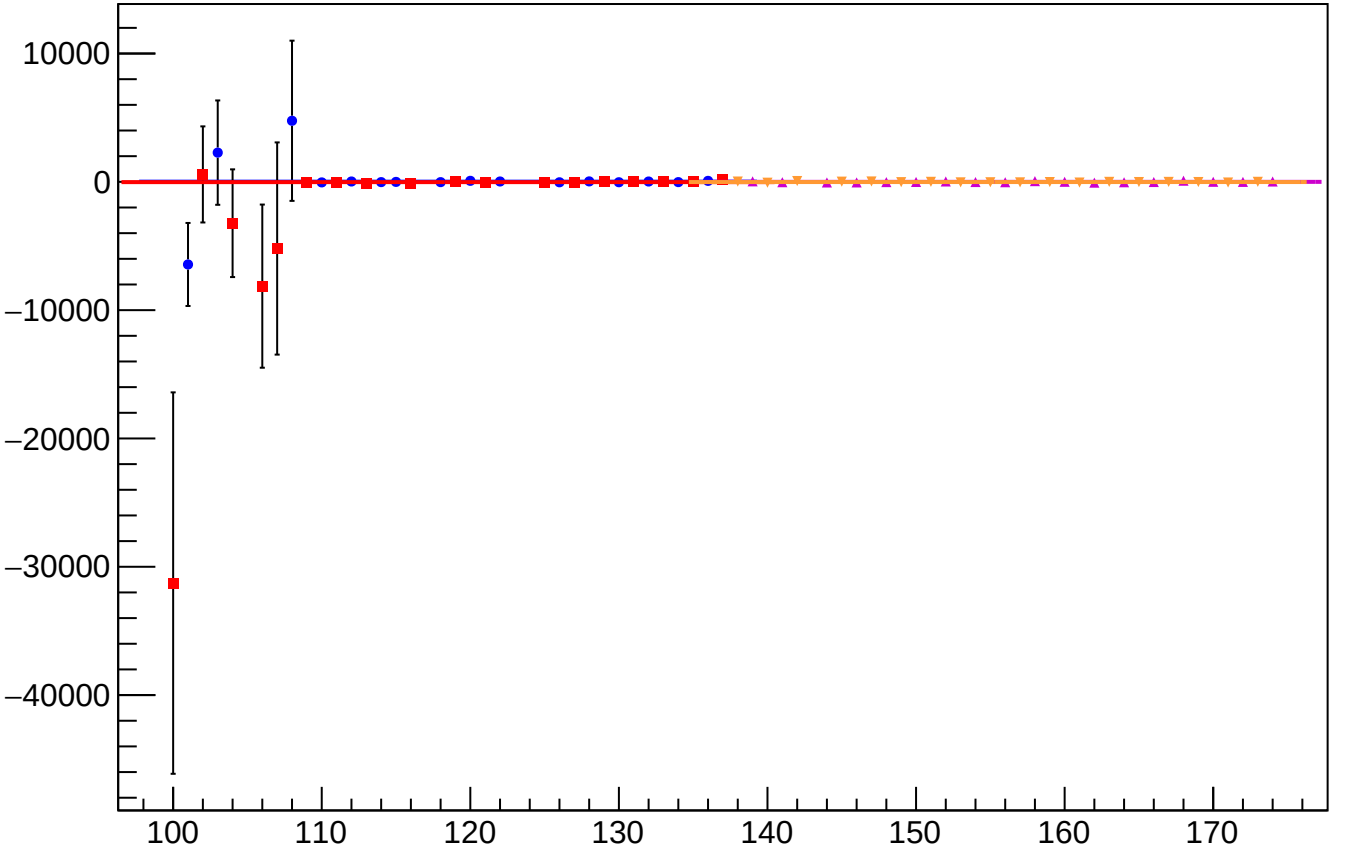
Left In: 188.351+/-0.036 χ^2/NDF:1364150.0/17

+ sign 207.665+/-0.034 χ^2/NDF: 5033854.1/33

All: 194.102+/-0.023 χ^2/NDF: 10986137.2/69

- 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: -15.549+/-8.263 χ^2/NDF:13.0/17

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

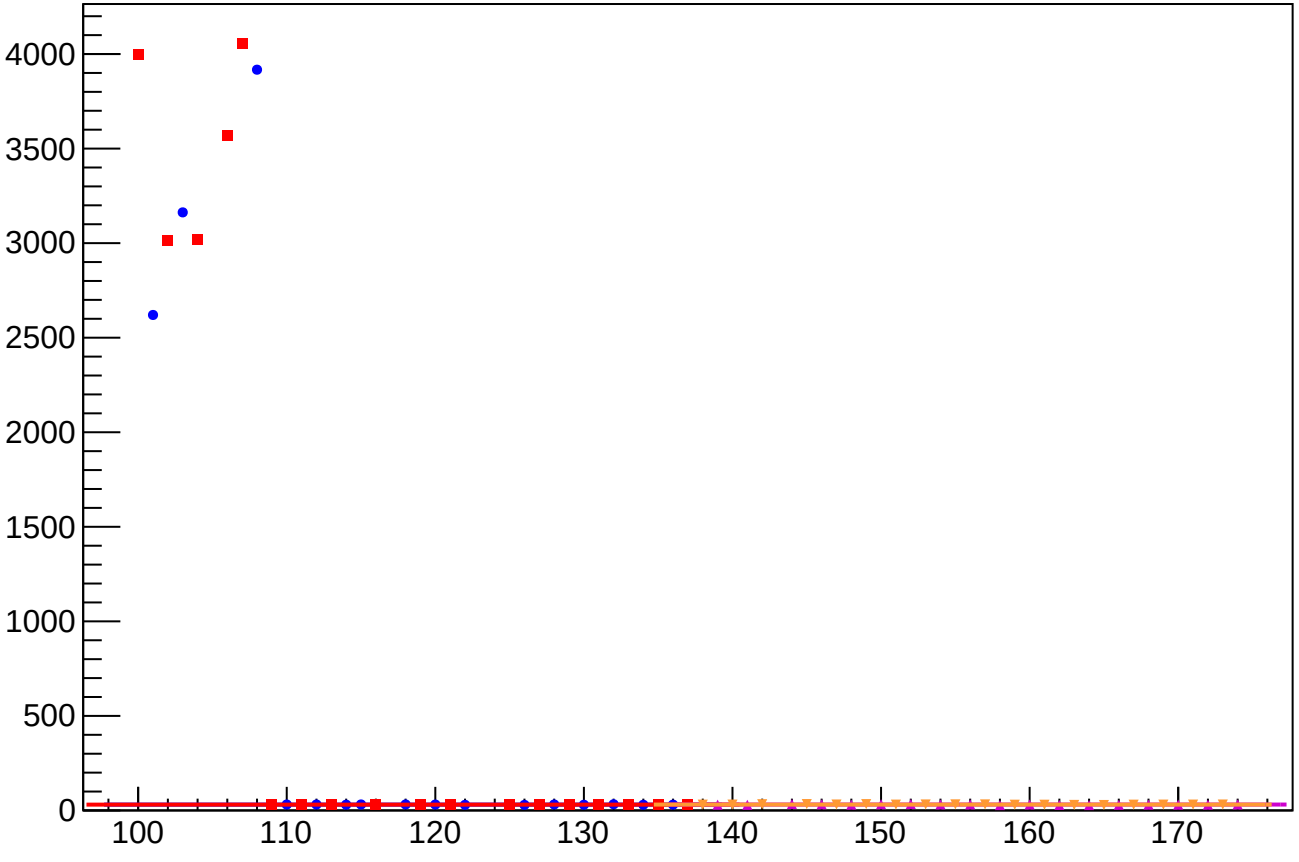
Left In: -1.206+/-8.119 χ^2/NDF:23.3/17

+ sign -7.187+/-6.983 χ^2/NDF: 32.0/33

All: -6.980+/-4.923 χ^2/NDF: 85.4/69

- 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: 31.089+/-0.006 χ^2/NDF:41909.7/17

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

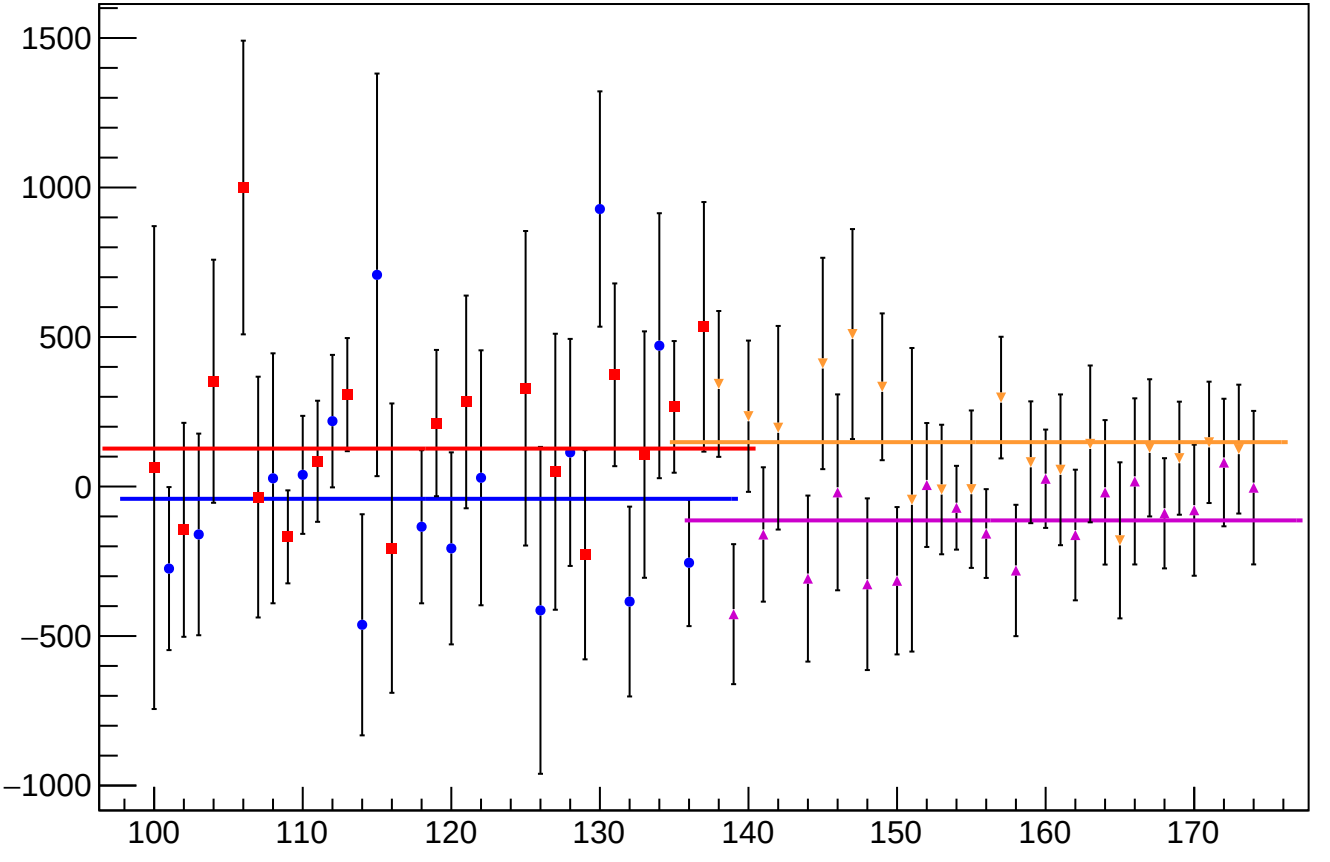
Left In: 31.224+/-0.006 χ^2/NDF:78400.2/17

+ sign 31.043+/-0.005 χ^2/NDF: 3294732.9/33

All: 31.077+/-0.003 χ^2/NDF: 6910627.2/69

- 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: 148.387+/-57.790 χ^2/NDF:6.5/17

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

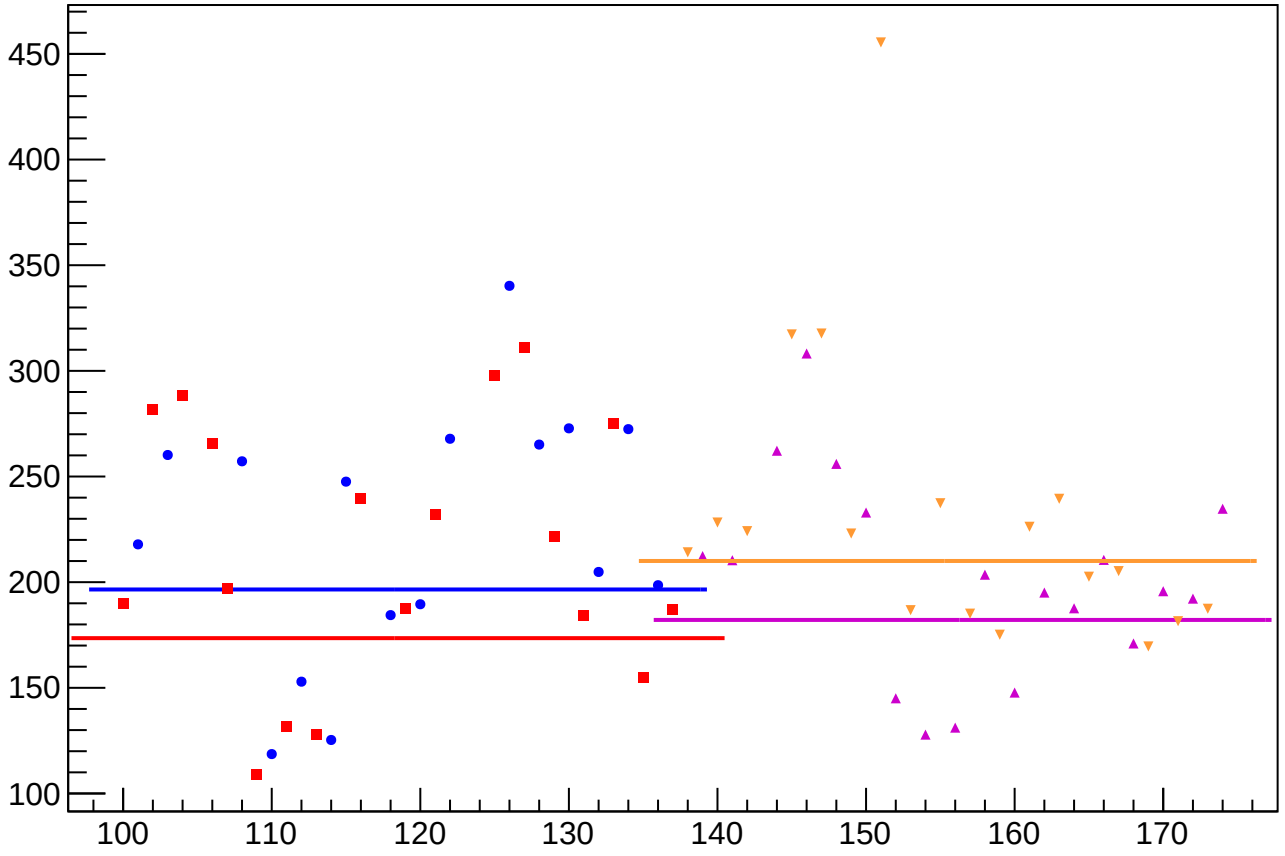
Left In: -113.318+/-49.708 χ^2/NDF:6.9/17

+ sign 80.264+/-46.251 χ^2/NDF: 25.9/33

All: 16.687+/-30.430 χ^2/NDF: 56.9/69

- 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: 210.031+/-0.041 χ^2/NDF:1181647.0/17

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

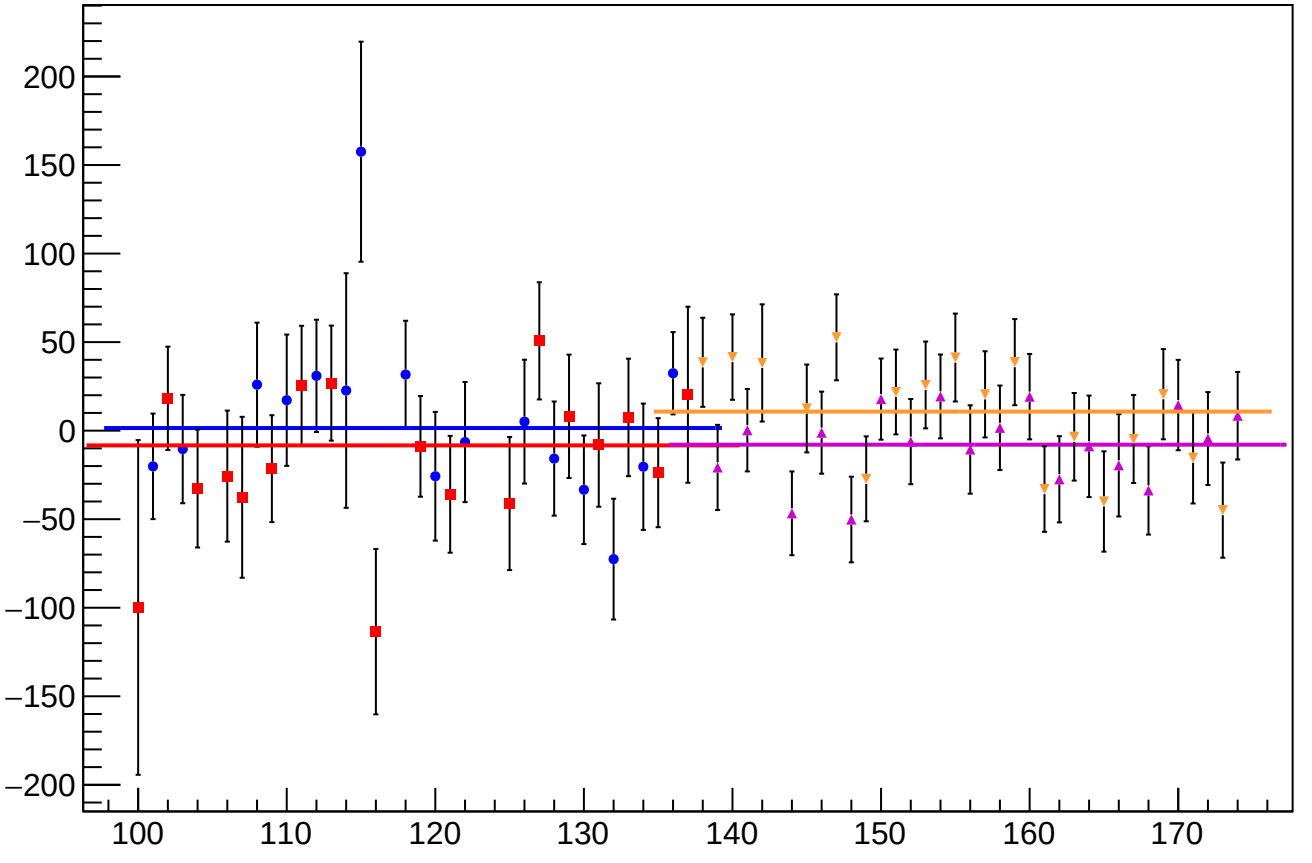
Left In: 182.132+/-0.035 χ^2/NDF:1583727.6/17

+ sign 205.182+/-0.033 χ^2/NDF: 2221589.9/33

All: 190.451+/-0.022 χ^2/NDF: 5716201.4/69

- 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: 10.770+/-5.942 χ^2/NDF:25.3/17

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

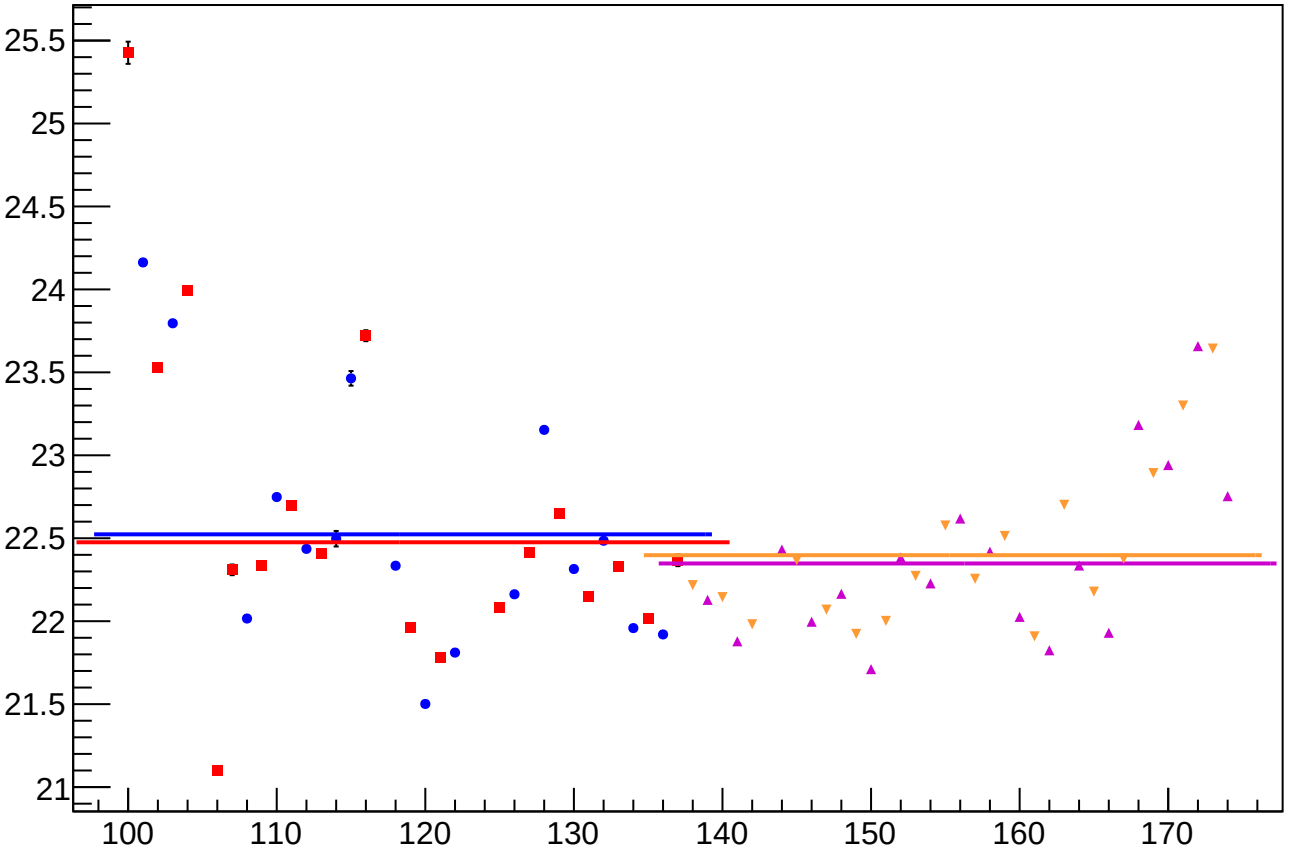
Left In: -7.917+/-5.795 χ^2/NDF:13.4/17

+ sign 7.655+/-4.846 χ^2/NDF: 44.8/33

All: -0.356+/-3.392 χ^2/NDF: 79.5/69

- 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: 22.398+/-0.004 χ^2/NDF:11336.2/17

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

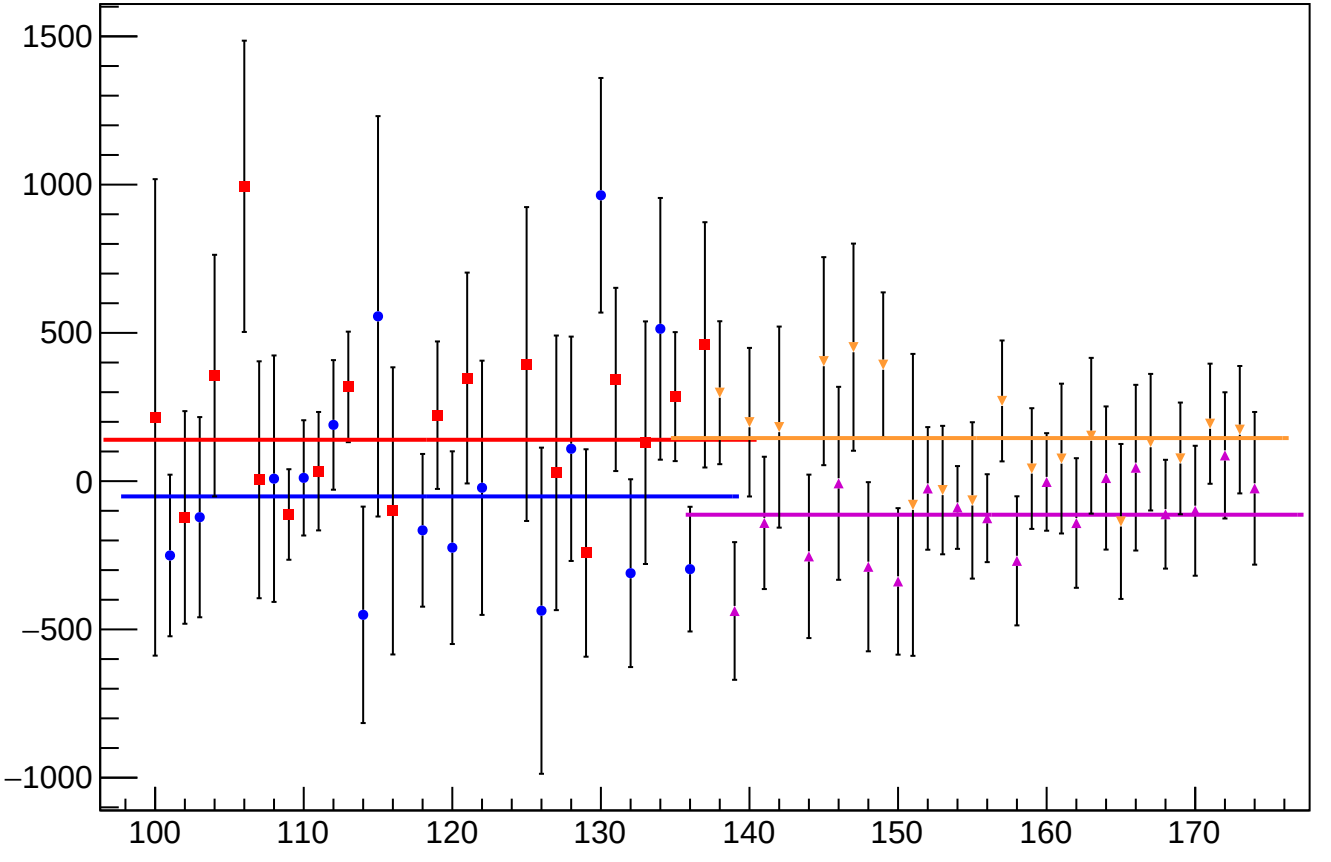
Left In: 22.348+/-0.004 χ^2/NDF:13978.8/17

+ sign 22.440+/-0.003 χ^2/NDF: 27583.8/33

All: 22.414+/-0.002 χ^2/NDF: 57527.3/69

- 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: 145.275+/-57.675 χ^2/NDF:6.4/17

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

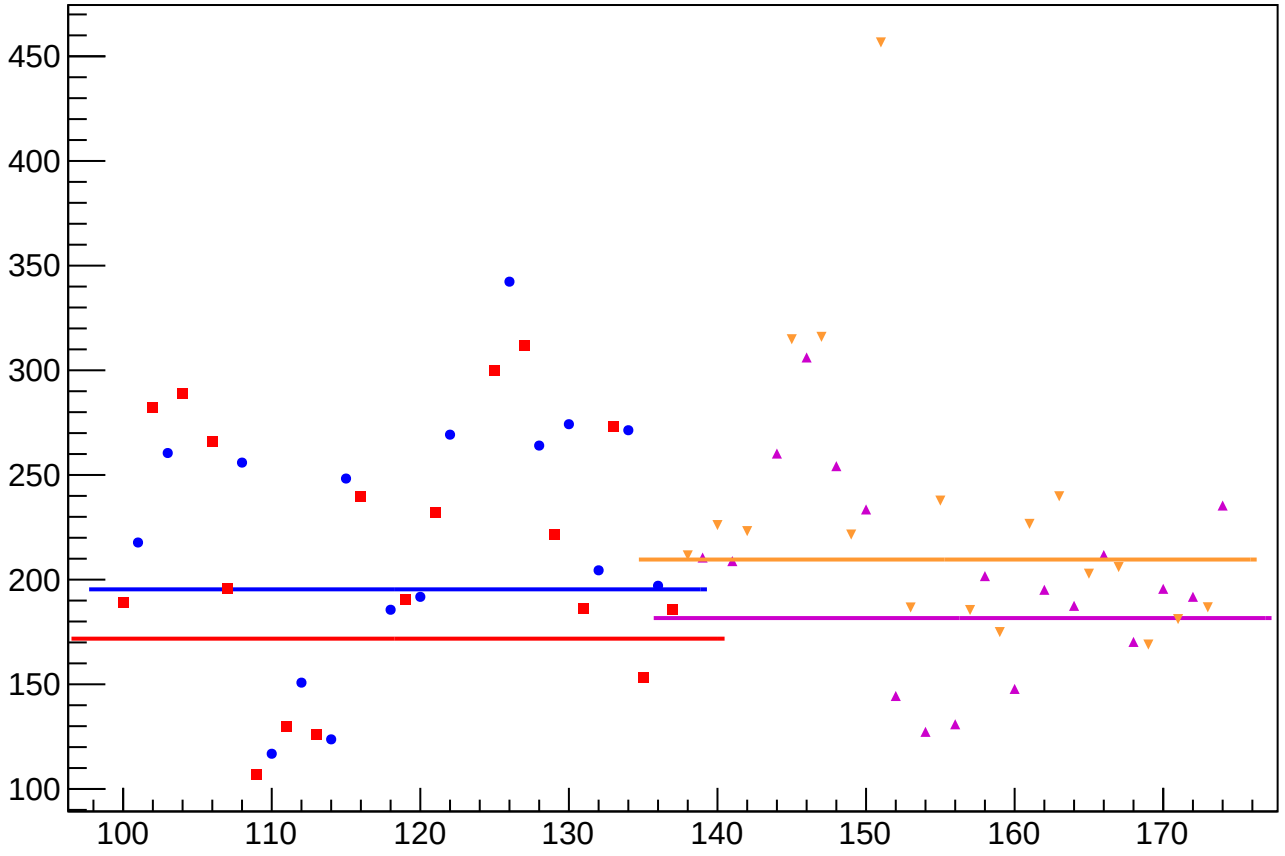
Left In: -113.219+/-49.579 χ^2/NDF:6.3/17

+ sign 74.319+/-46.118 χ^2/NDF: 25.9/33

All: 16.814+/-30.321 χ^2/NDF: 55.4/69

- 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: 209.602+/-0.041 χ^2/NDF:1176599.1/17

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

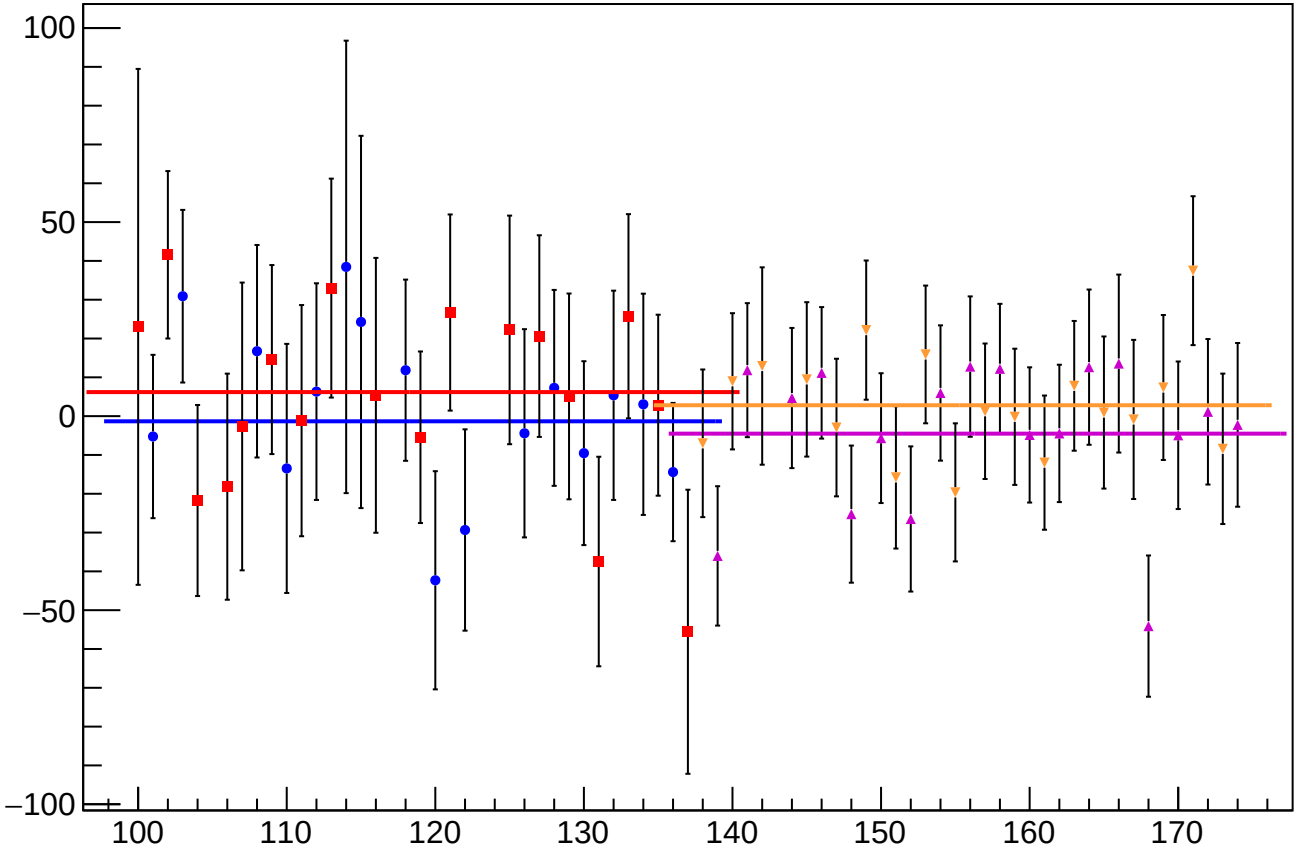
Left In: 181.639+/-0.035 χ^2/NDF:1577402.7/17

+ sign 204.467+/-0.033 χ^2/NDF: 2262005.0/33

All: 189.601+/-0.021 χ^2/NDF: 5832926.0/69

- 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: 2.810+/-4.370 χ^2/NDF:9.7/17

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

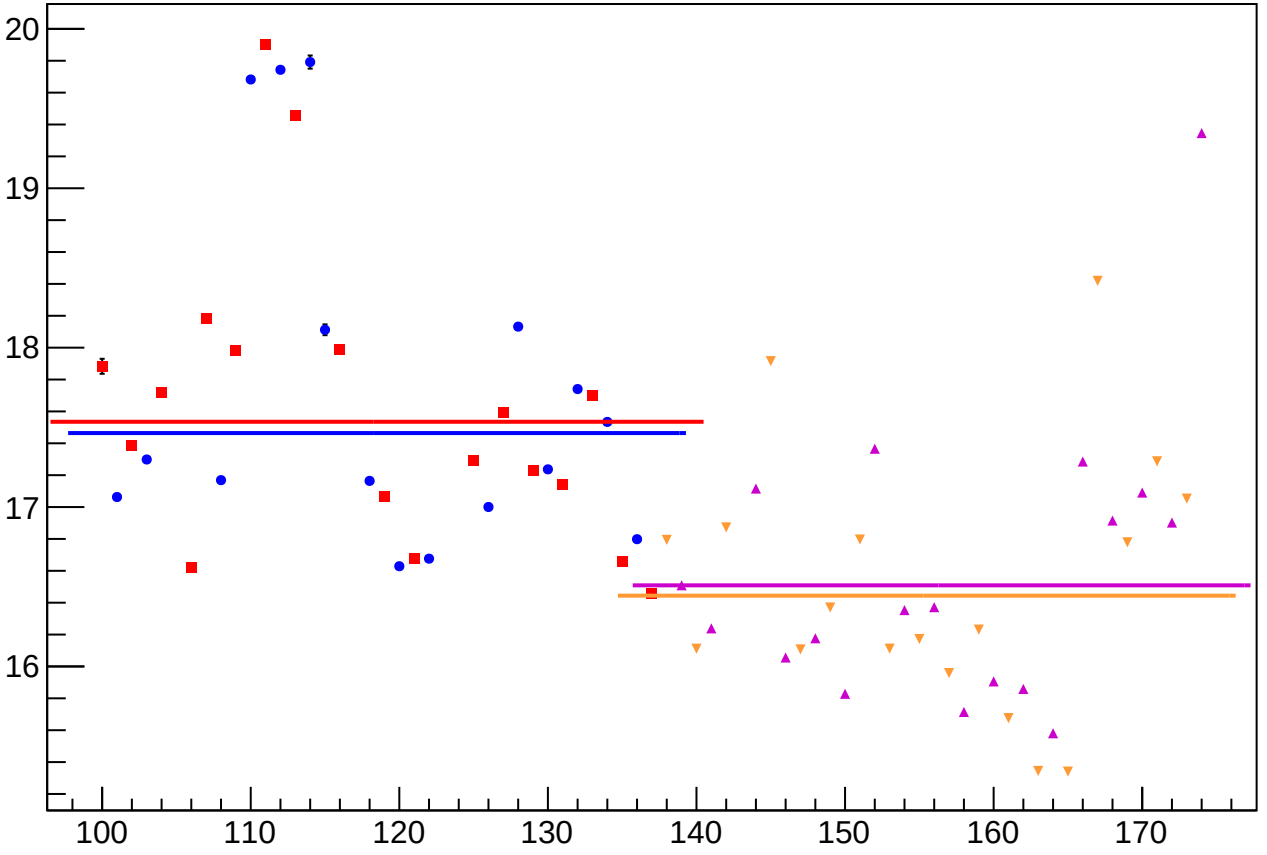
Left In: -4.513+/-4.290 χ^2/NDF:19.0/17

\+ sign 1.520+/-3.626 χ^2/NDF: 18.0/33

All: 0.119+/-2.546 χ^2/NDF: 52.6/69

\- 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: 16.444+/-0.003 χ^2/NDF:61391.1/17

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

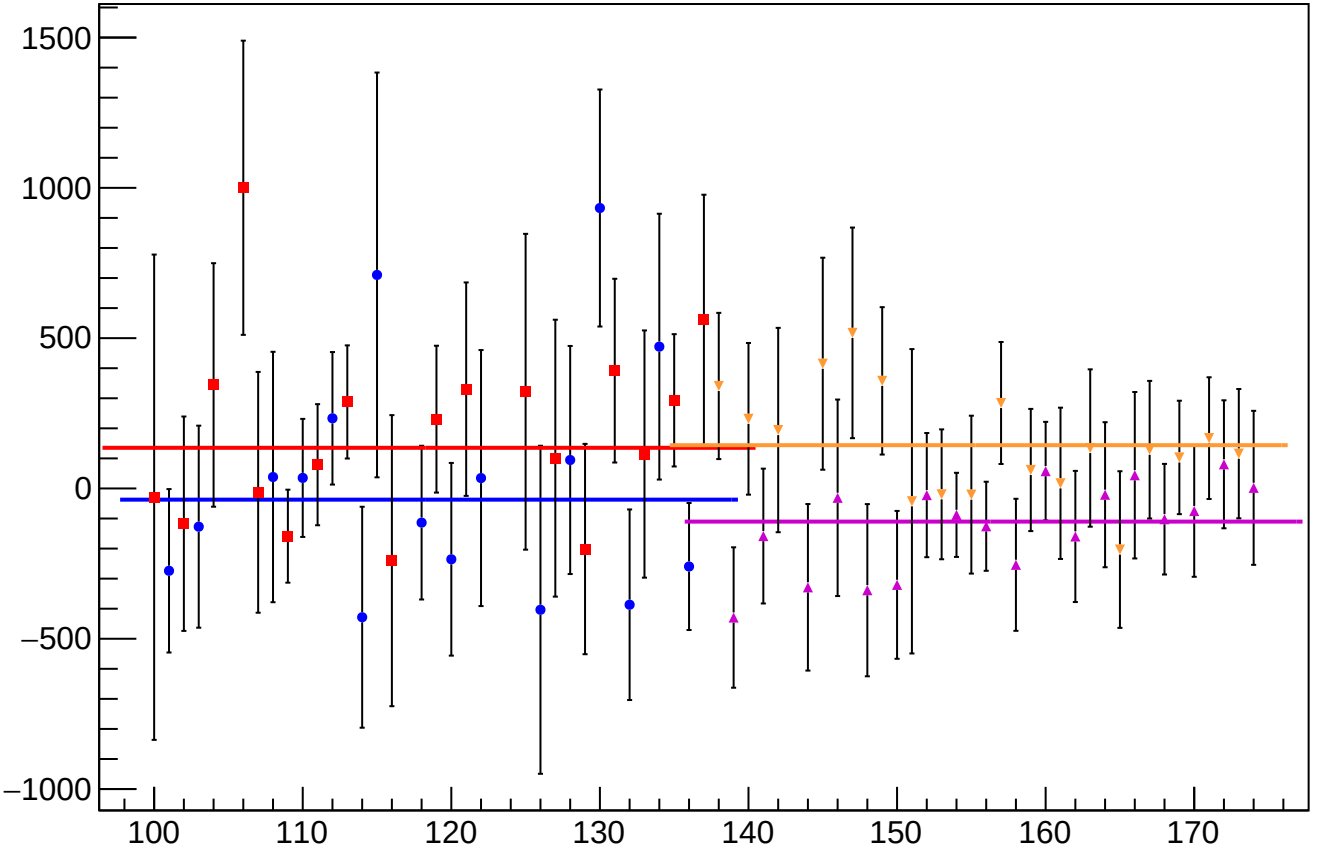
Left In: 16.509+/-0.003 χ^2/NDF:68798.1/17

+ sign 16.762+/-0.003 χ^2/NDF: 131969.9/33

All: 16.792+/-0.002 χ^2/NDF: 270447.0/69

- 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: 143.936+/-57.665 χ^2/NDF:7.1/17

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

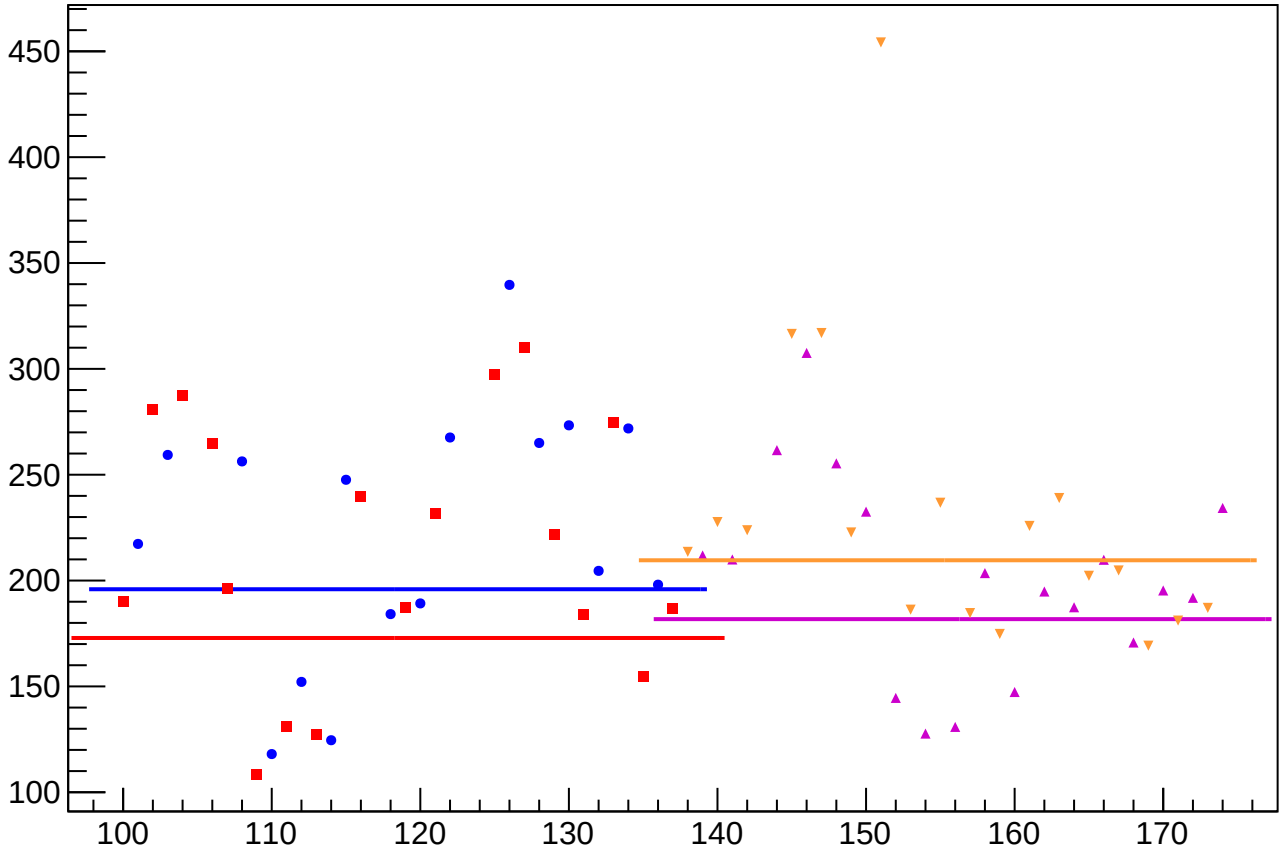
Left In: -110.289+/-49.611 χ^2/NDF:7.2/17

+ sign 78.743+/-46.138 χ^2/NDF: 26.3/33

All: 18.860+/-30.357 χ^2/NDF: 57.6/69

- 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: 209.580+/-0.041 χ^2/NDF:1181104.8/17

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

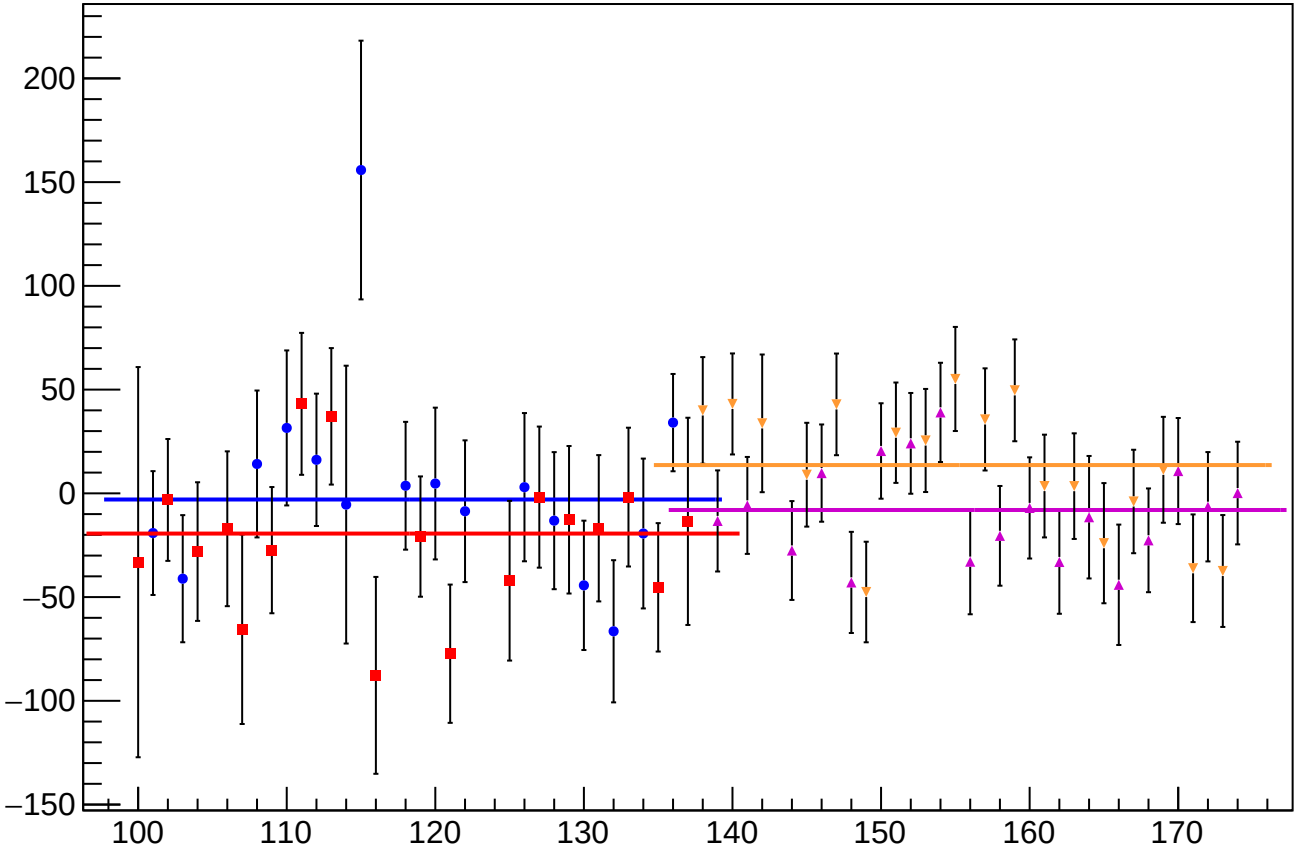
Left In: 181.779+/-0.035 χ^2/NDF:1583711.9/17

+ sign 204.658+/-0.033 χ^2/NDF: 2232622.9/33

All: 189.967+/-0.021 χ^2/NDF: 5739025.7/69

- 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: 13.630+/-6.011 χ^2/NDF:26.8/17

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

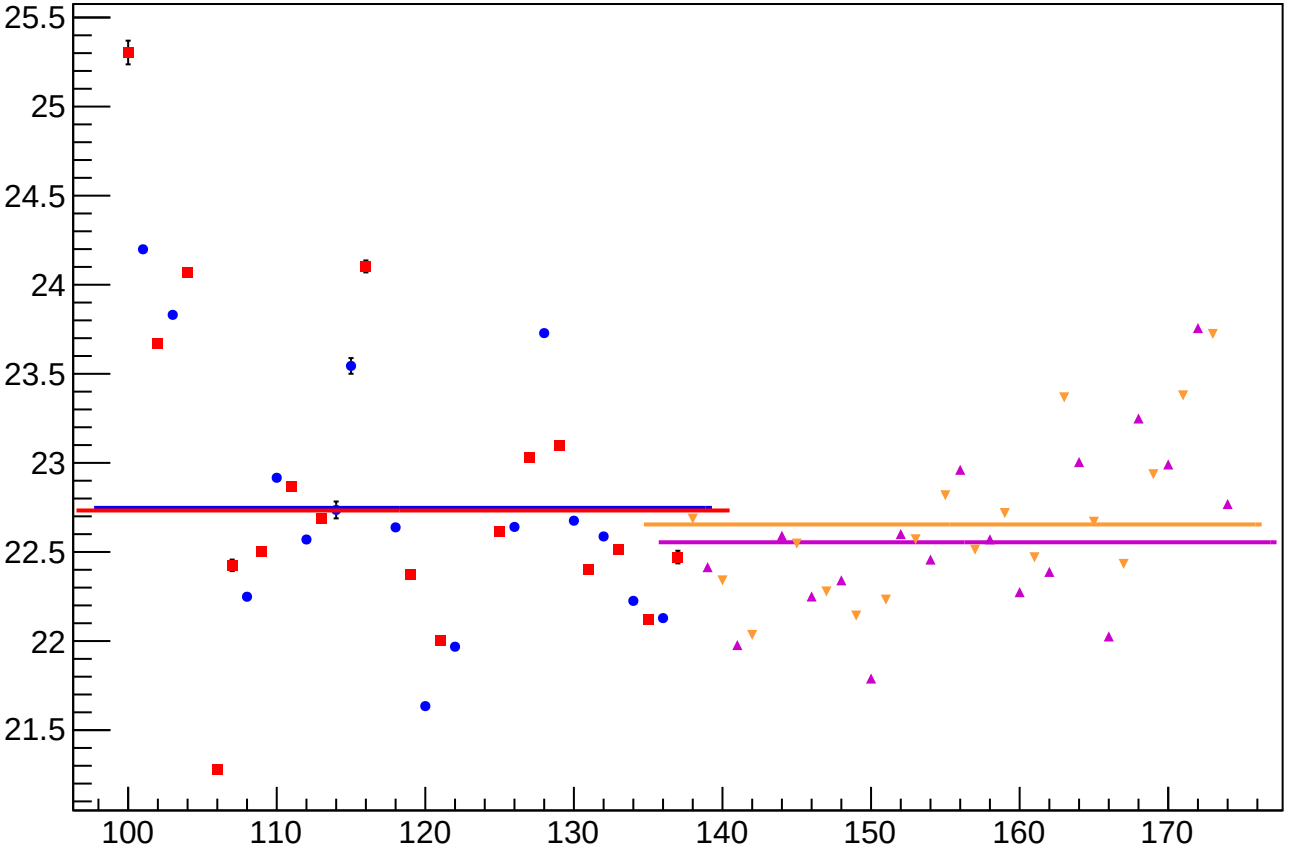
Left In: -8.024+/-5.849 χ^2/NDF:15.3/17

+ sign 8.056+/-4.899 χ^2/NDF: 47.3/33

All: -2.054+/-3.427 χ^2/NDF: 86.7/69

- 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: 22.654+/-0.004 χ^2/NDF:10017.1/17

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

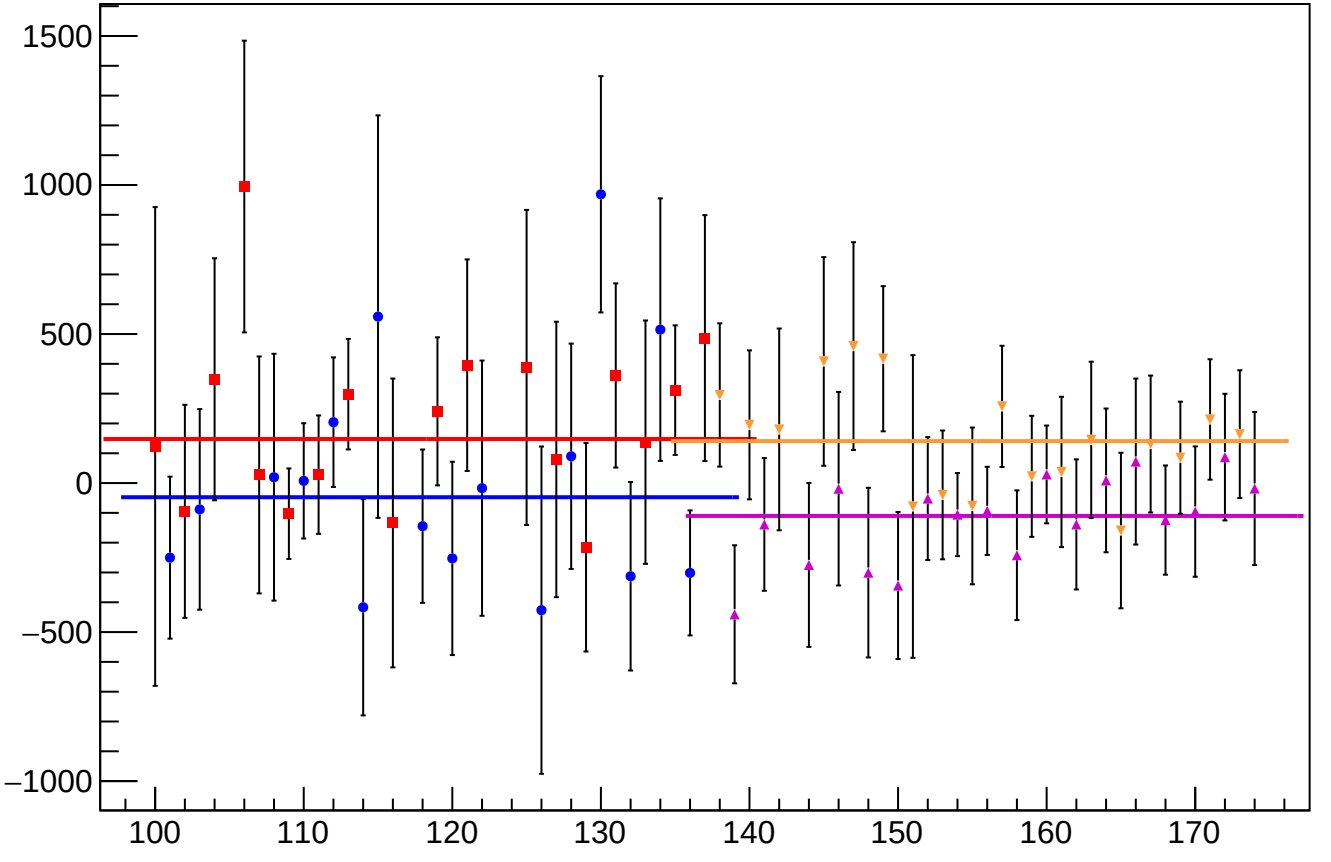
Left In: 22.554+/-0.004 χ^2/NDF:12471.4/17

+ sign 22.686+/-0.003 χ^2/NDF: 24800.6/33

All: 22.649+/-0.002 χ^2/NDF: 52496.7/69

- 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: 140.764+/-57.550 χ^2/NDF:7.1/17

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

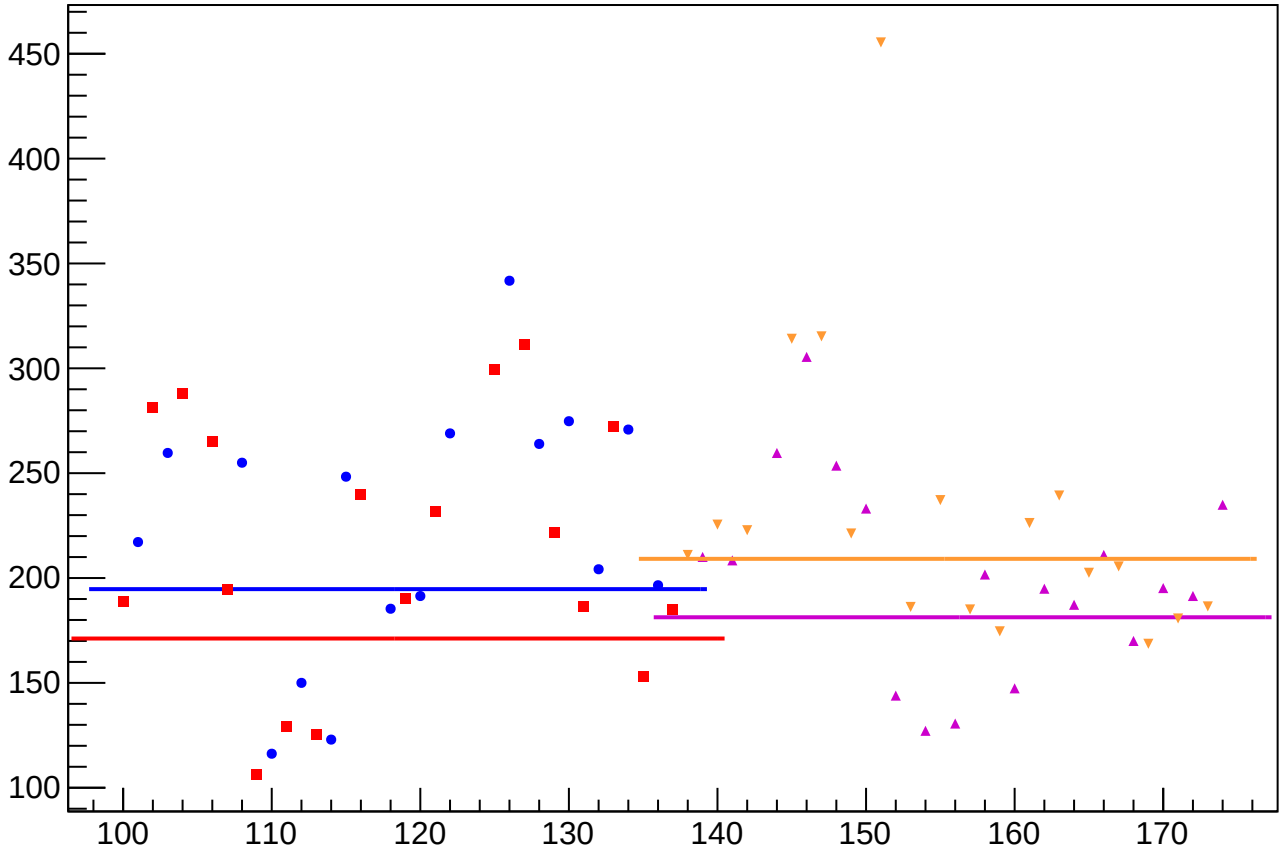
Left In: -110.281+/-49.483 χ^2/NDF:6.7/17

+ sign 72.797+/-46.005 χ^2/NDF: 26.4/33

All: 18.949+/-30.247 χ^2/NDF: 56.3/69

- 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: 209.152+/-0.041 χ^2/NDF:1176074.5/17

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

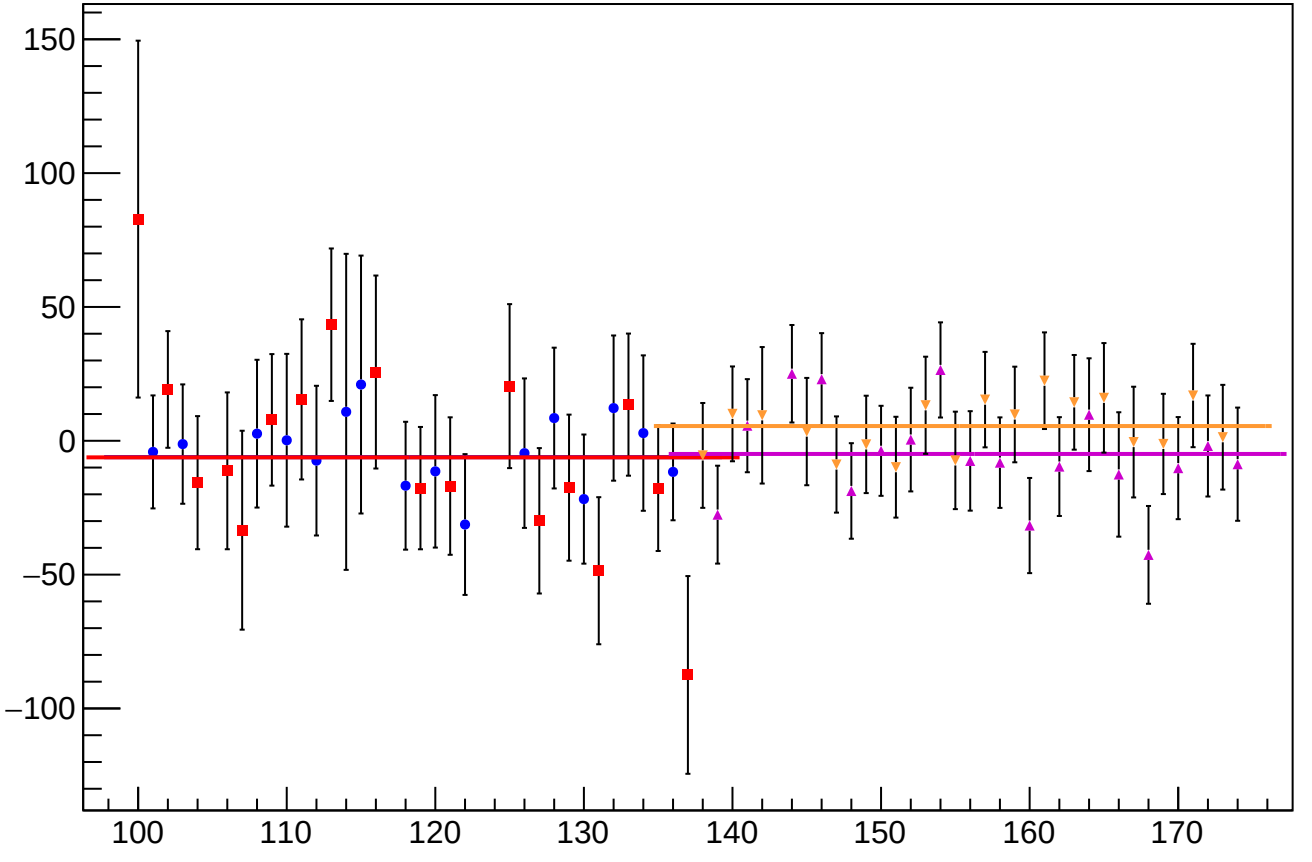
Left In: 181.289+/-0.035 χ^2/NDF:1577258.5/17

+ sign 203.938+/-0.033 χ^2/NDF: 2273838.4/33

All: 189.113+/-0.021 χ^2/NDF: 5857517.6/69

- 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: 5.507+/-4.462 χ^2/NDF:4.9/17

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

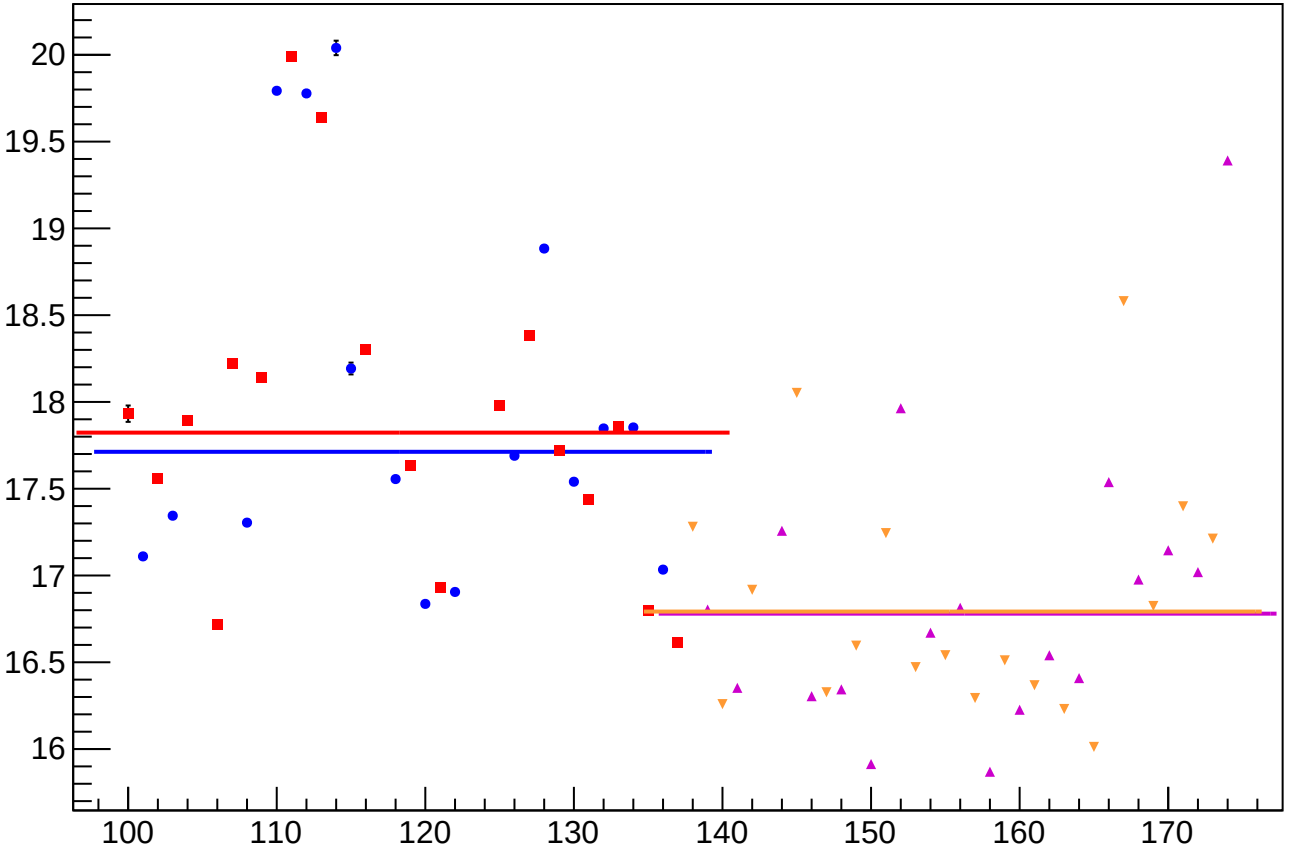
Left In: -4.919+/-4.361 χ^2/NDF:18.4/17

+ sign 1.854+/-3.695 χ^2/NDF: 10.2/33

All: -1.786+/-2.591 χ^2/NDF: 49.2/69

- 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: 16.792+/-0.003 χ^2/NDF:40668.1/17

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

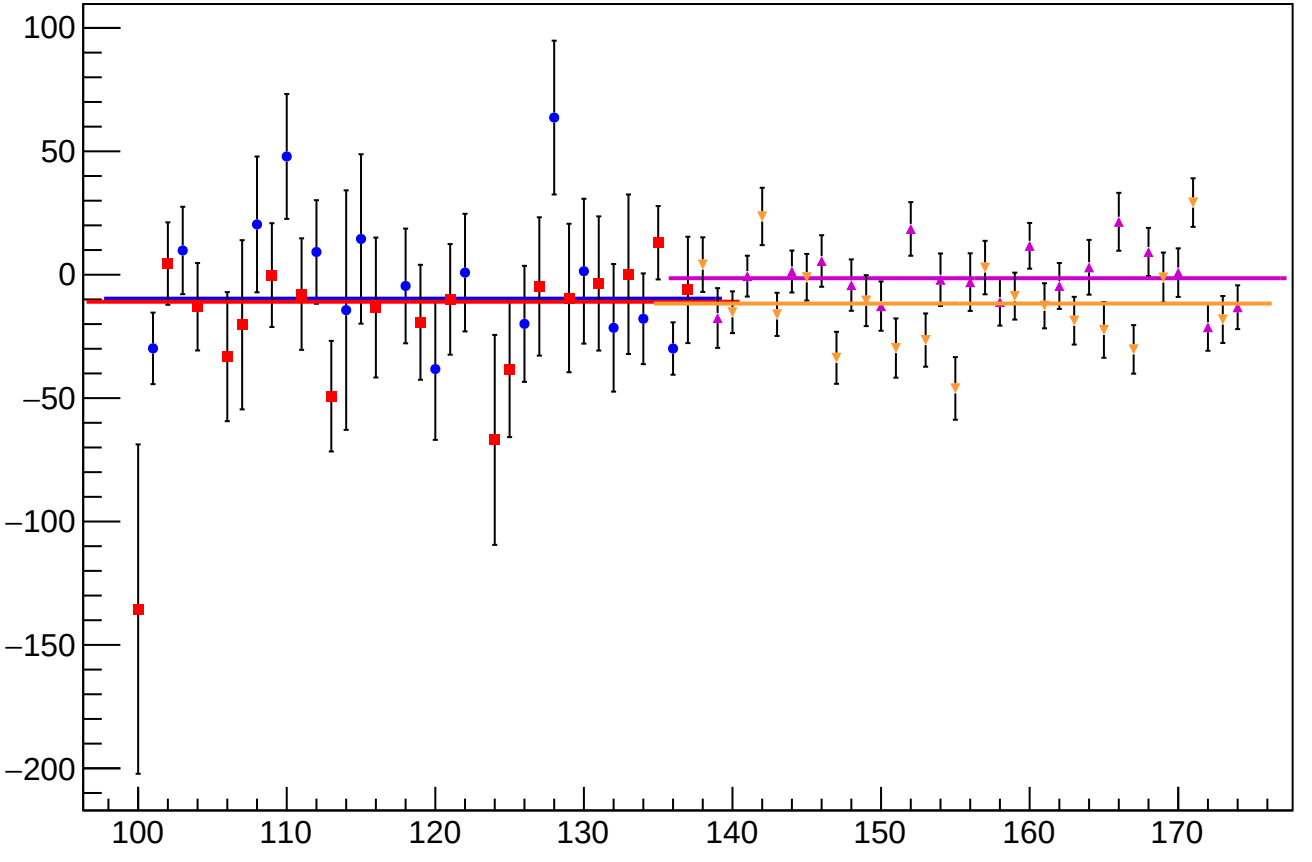
Left In: 16.780+/-0.003 χ^2/NDF:60780.3/17

+ sign 17.081+/-0.003 χ^2/NDF: 103391.5/33

All: 17.090+/-0.002 χ^2/NDF: 231613.3/69

- 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: -11.681+/-2.322 χ^2/NDF:54.5/18

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

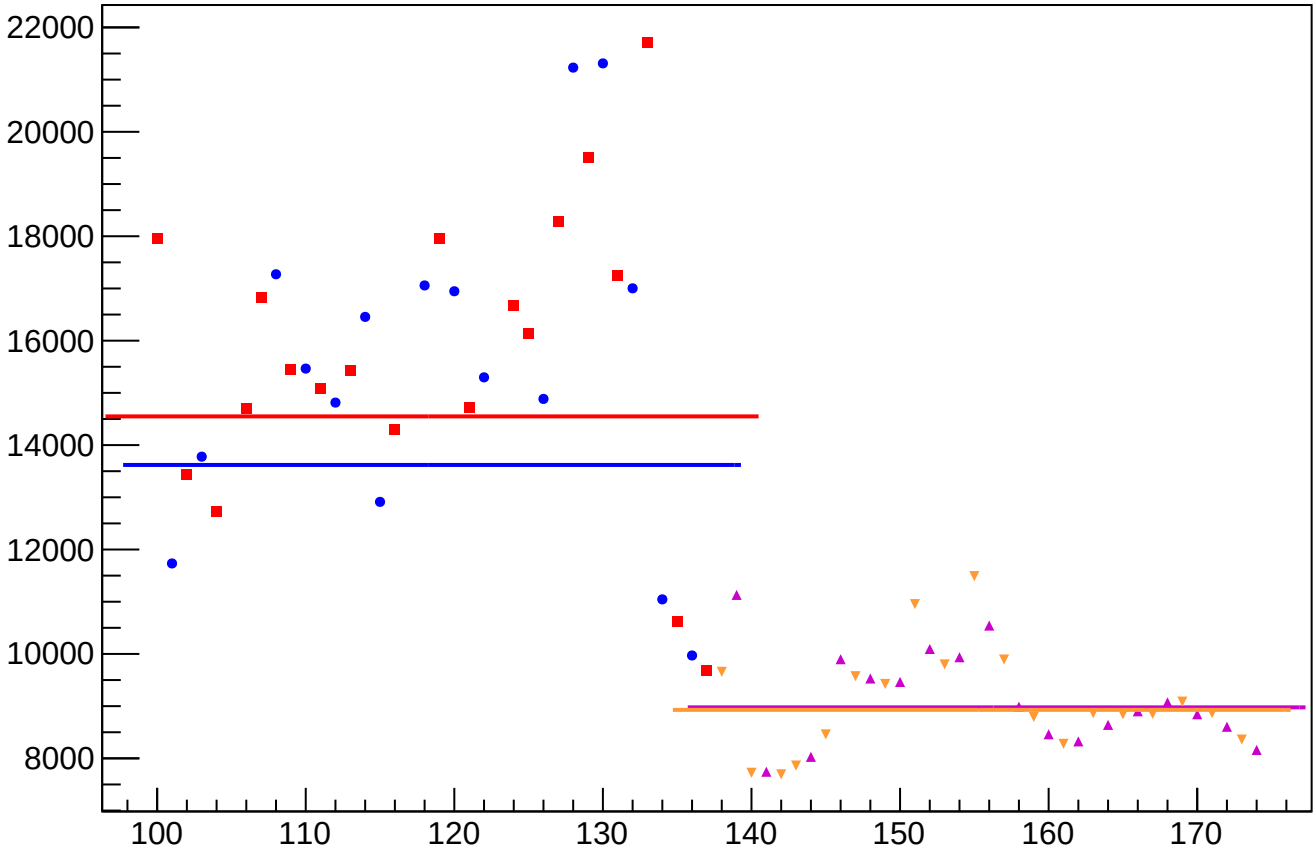
Left In: -1.417+/-2.342 χ^2/NDF:21.5/17

+ sign -11.356+/-2.122 χ^2/NDF: 76.6/34

All: -7.189+/-1.511 χ^2/NDF: 122.6/71

- 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: 8928.724+/-1.642 χ^2/NDF:304517.3/18

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

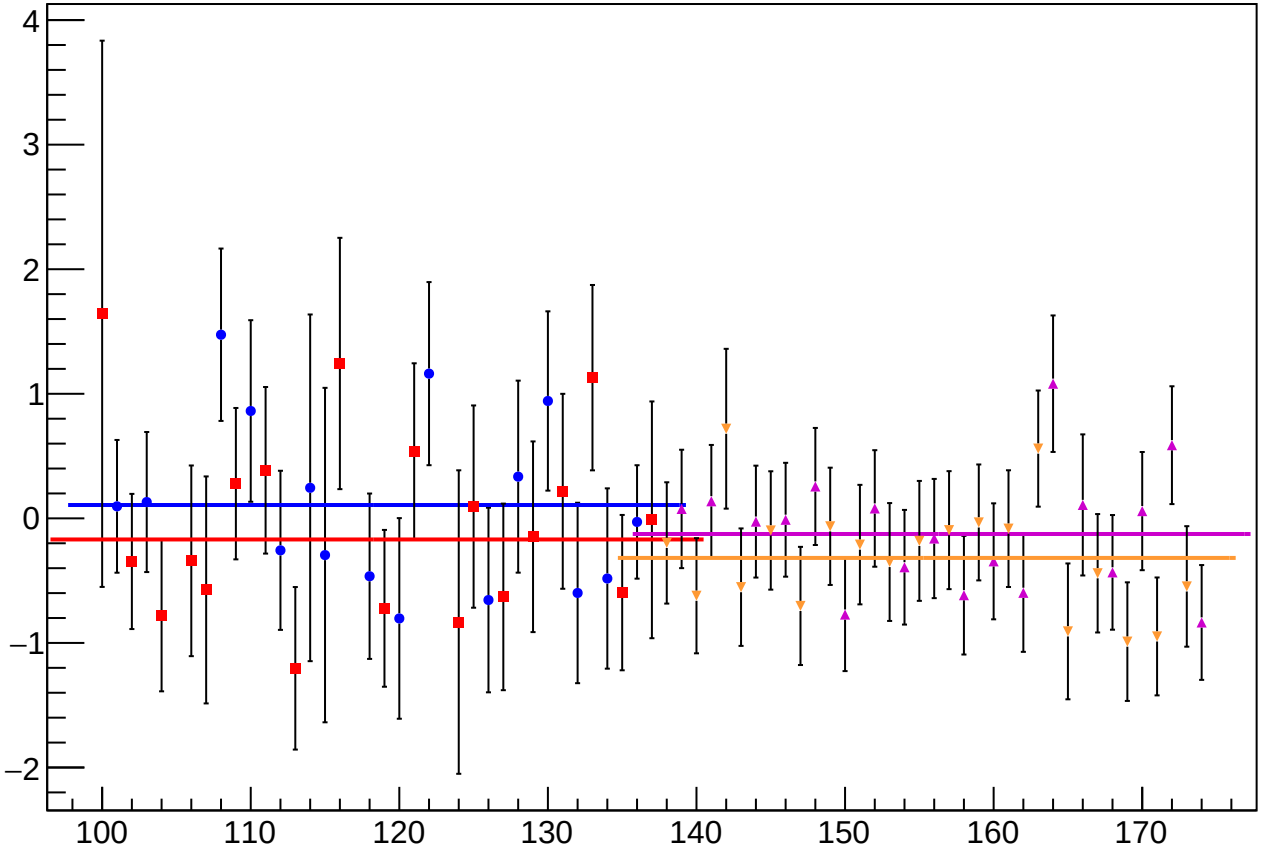
Left In: 8976.908+/-1.656 χ^2/NDF:270535.6/17

+ sign 9700.681+/-1.501 χ^2/NDF: 2395086.9/34

All: 9774.084+/-1.068 χ^2/NDF: 4999018.9/71

- 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: -0.318+/-0.111 χ^2/NDF:14.3/18

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

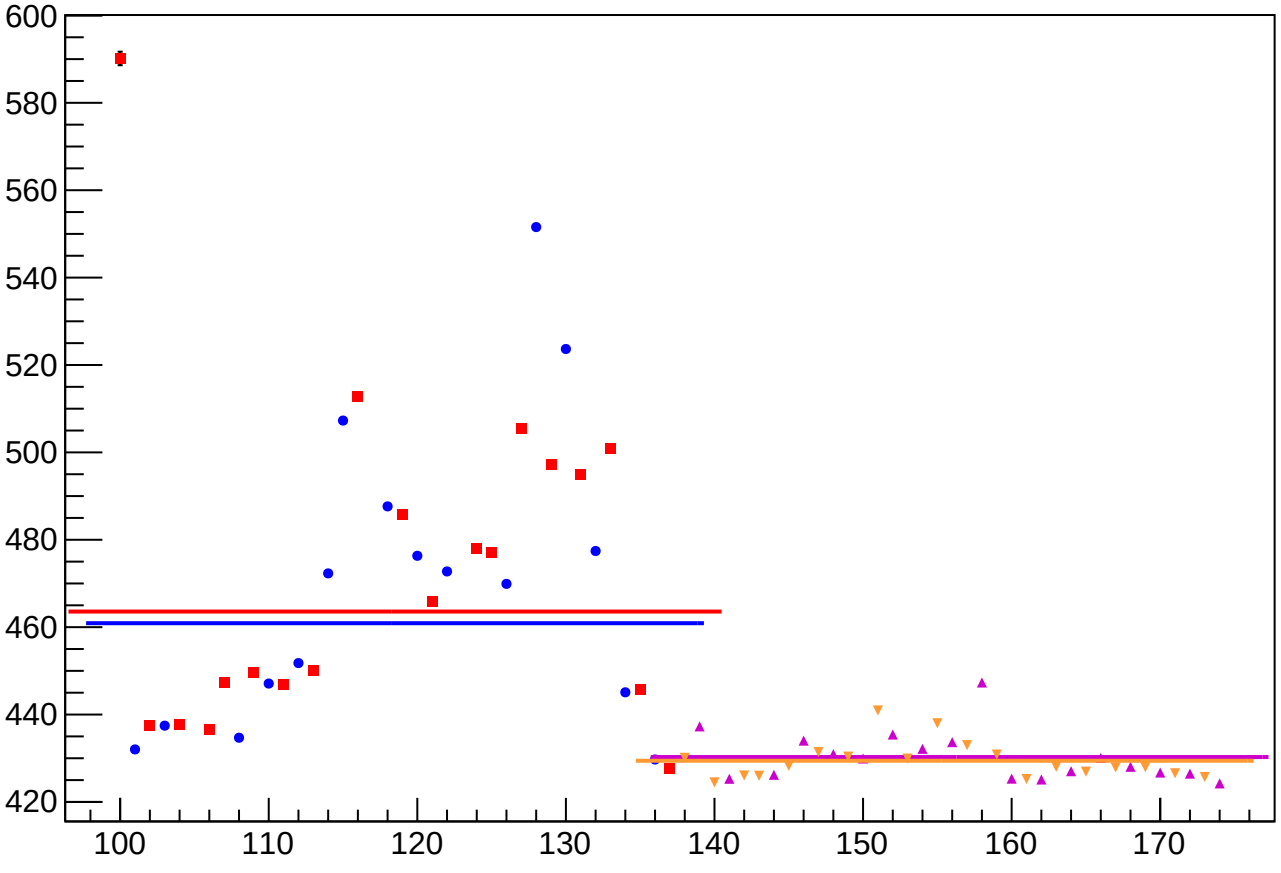
Left In: -0.126+/-0.112 χ^2/NDF:16.4/17

+ sign -0.193+/-0.093 χ^2/NDF: 32.3/34

All: -0.166+/-0.066 χ^2/NDF: 63.0/71

- 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: 429.425+/-0.078 χ^2/NDF:2821.9/18

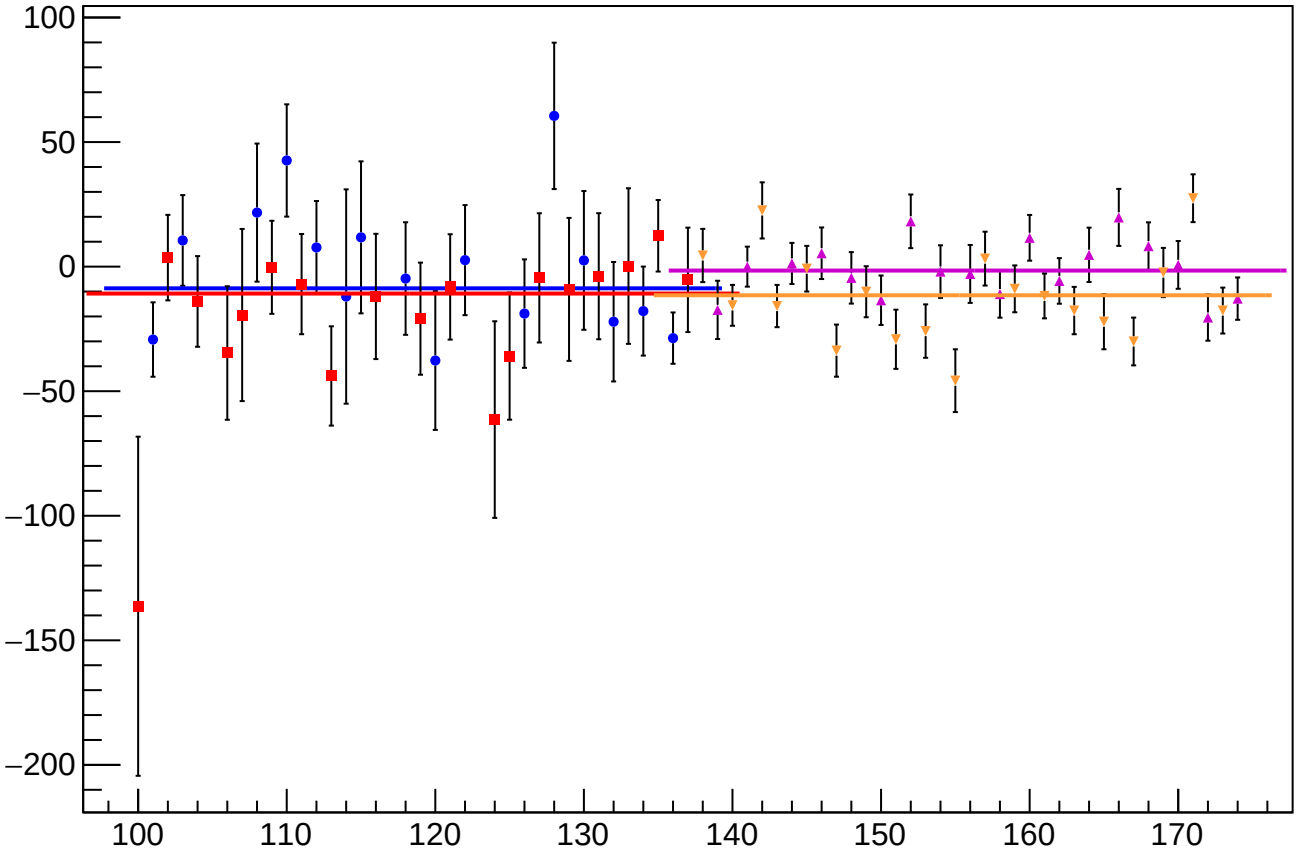
Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 430.277+/-0.079 χ^2/NDF:5086.1/17

+ sign 438.675+/-0.066 χ^2/NDF: 125226.5/34

All: 439.509+/-0.047 χ^2/NDF: 236690.1/71

- sign 440.344+/-0.066 χ^2/NDF: 111142.4/36



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -11.502+/-2.275 χ^2/NDF:53.9/18

Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

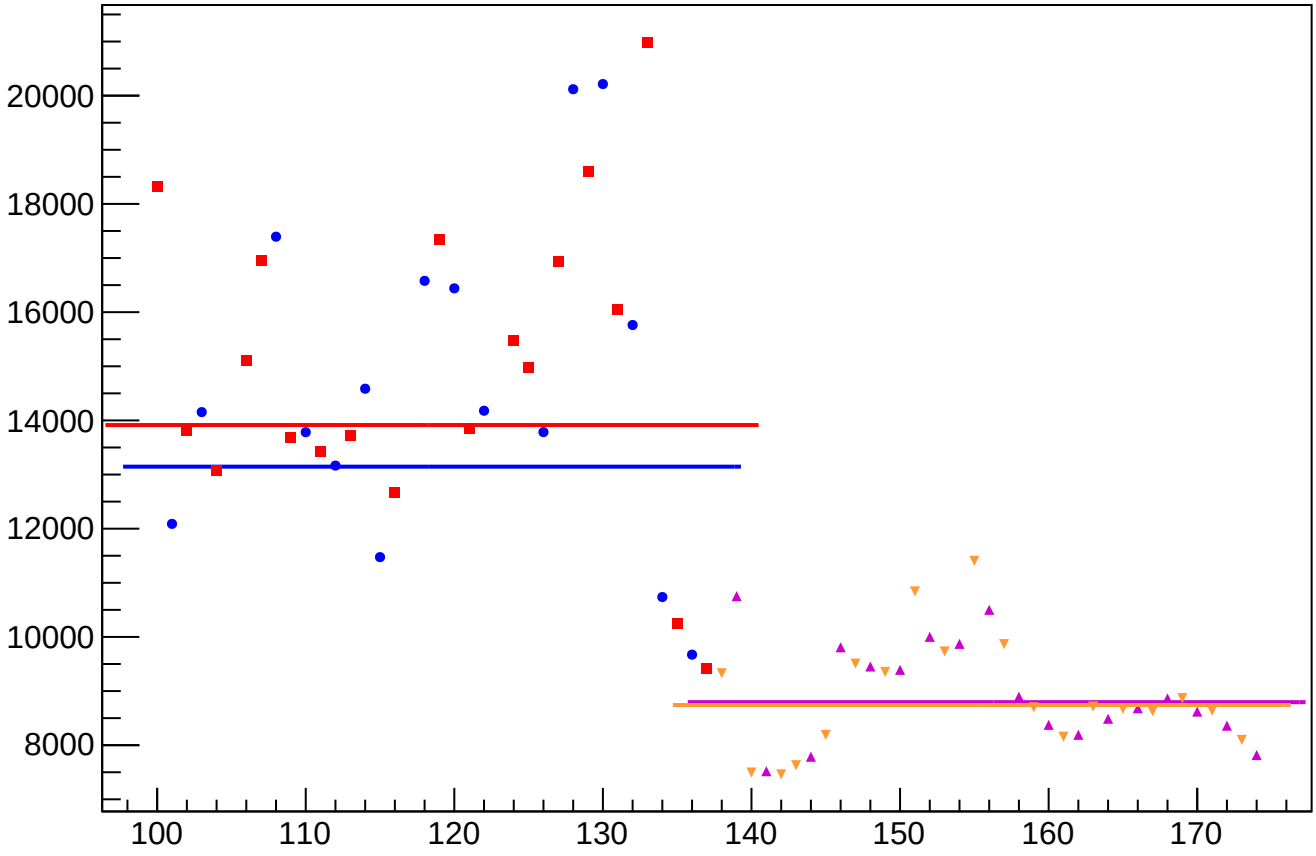
Left In: -1.577+/-2.296 χ^2/NDF:21.4/17

+ sign -11.028+/-2.073 χ^2/NDF: 76.5/34

All: -7.108+/-1.475 χ^2/NDF: 121.6/71

- sign -3.087+/-2.100 χ^2/NDF: 37.9/36

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8741.962+/-1.609 χ^2/NDF:347397.1/18

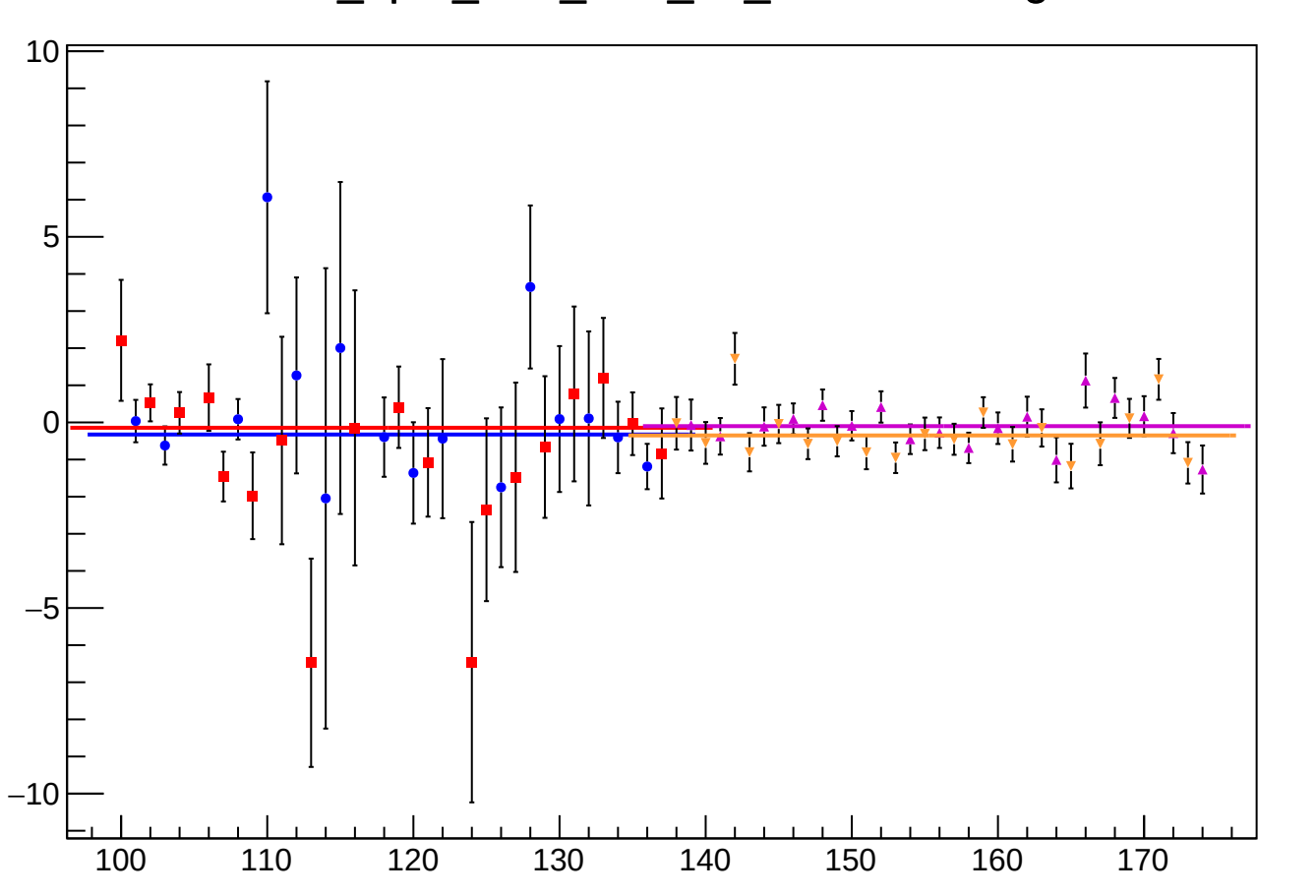
Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

Left In: 8794.924+/-1.624 χ^2/NDF:306507.3/17

+ sign 9488.420+/-1.466 χ^2/NDF: 2300343.0/34

All: 9559.598+/-1.043 χ^2/NDF: 4749500.9/71

- sign 9632.622+/-1.485 χ^2/NDF: 2444382.1/36



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.351+/-0.113 χ^2/NDF:28.6/18

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

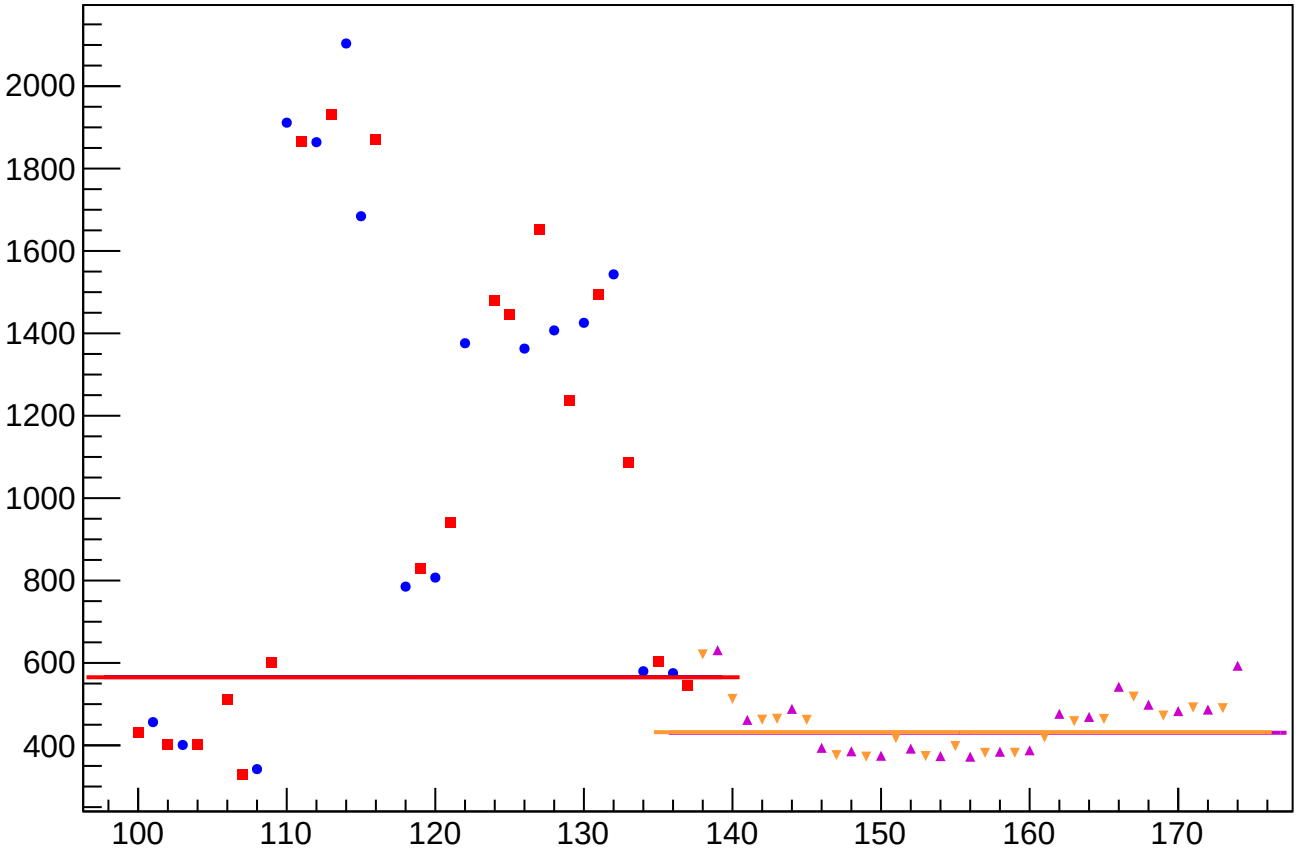
Left In: -0.100+/-0.113 χ^2/NDF:17.8/17

+ sign -0.346+/-0.102 χ^2/NDF: 41.2/34

All: -0.228+/-0.073 χ^2/NDF: 84.2/71

- 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: 431.950+/-0.080 χ^2/NDF:507165.1/18

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

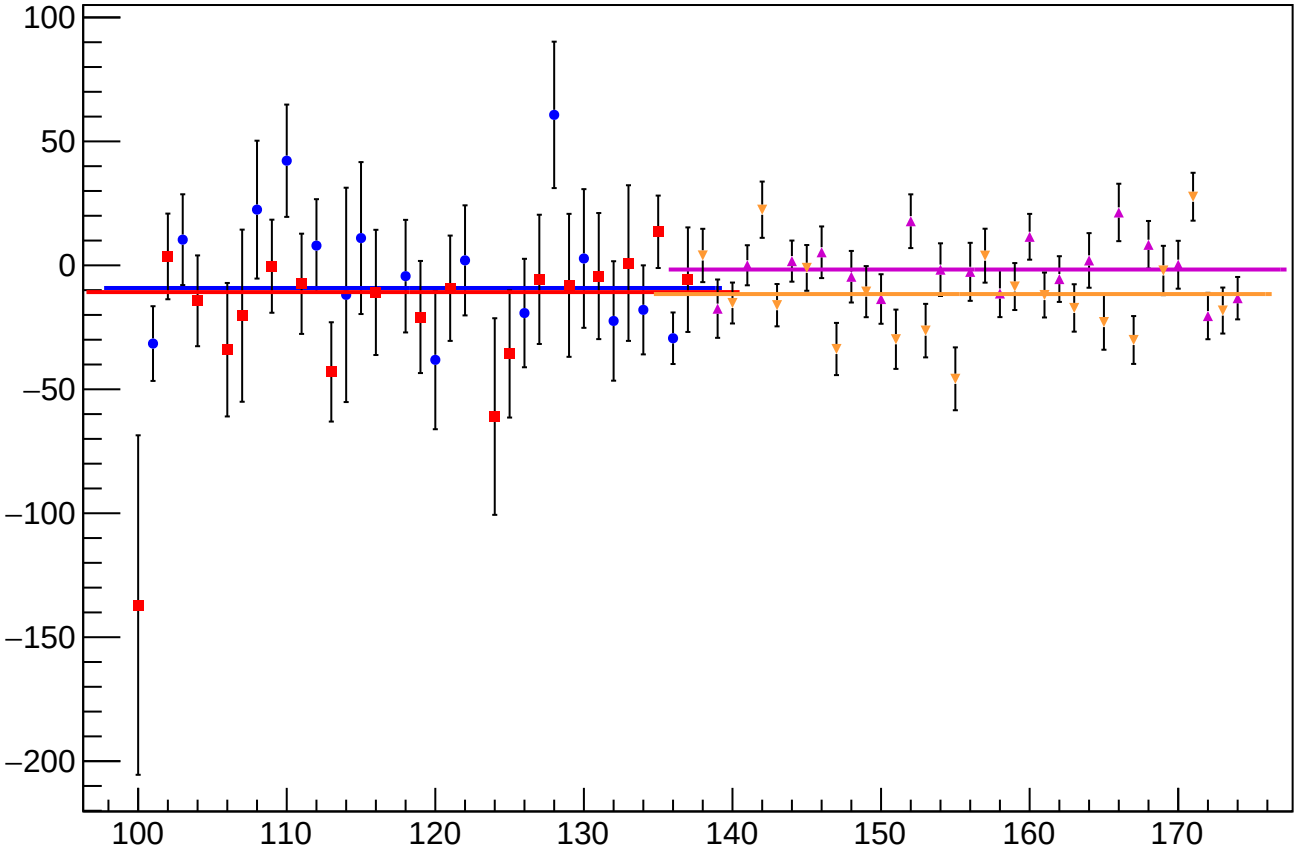
Left In: 430.489+/-0.080 χ^2/NDF:692703.2/17

+ sign 455.451+/-0.072 χ^2/NDF: 4451163.0/34

All: 454.890+/-0.051 χ^2/NDF: 9216035.8/71

- 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: -11.583+/-2.290 χ^2/NDF:53.9/18

Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

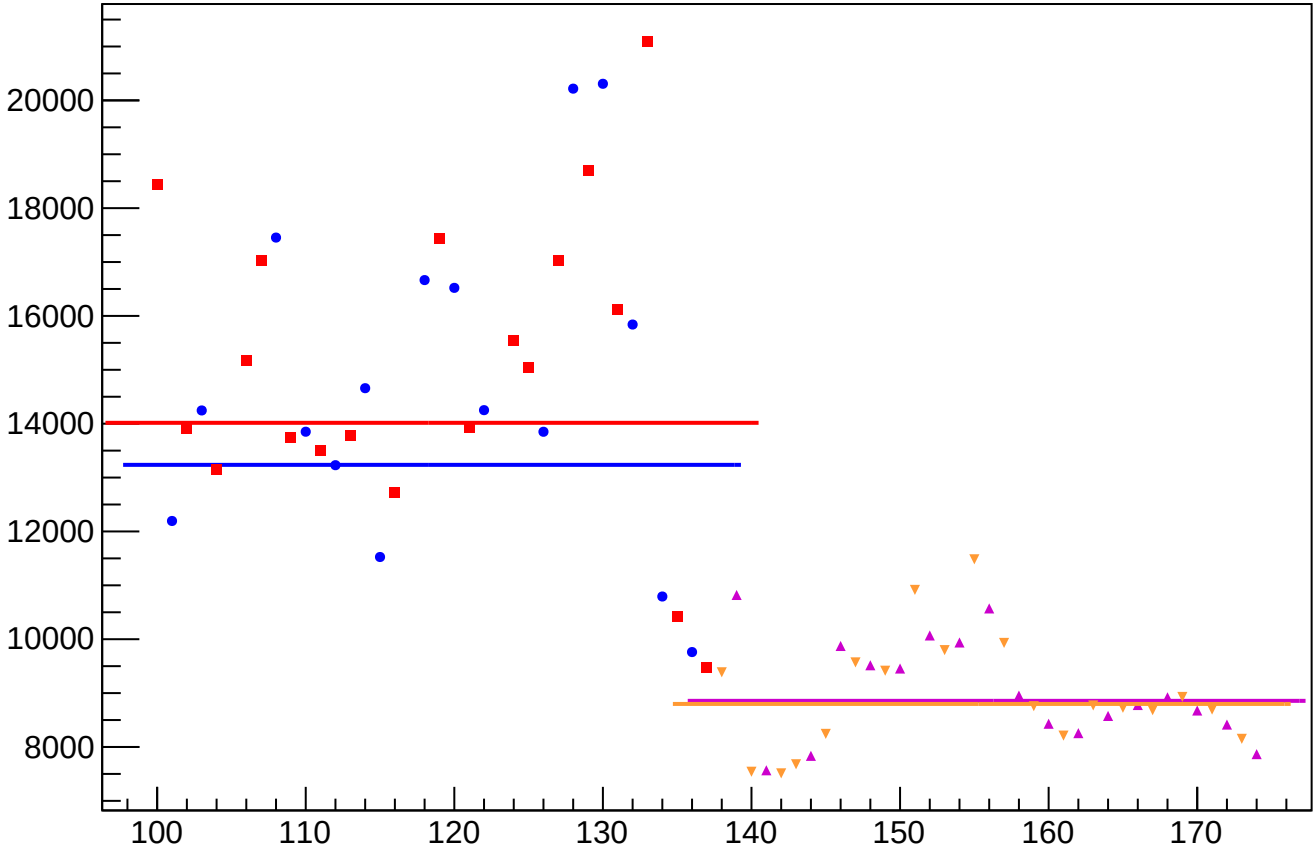
Left In: -1.684+/-2.312 χ^2/NDF:21.5/17

+ sign -11.167+/-2.087 χ^2/NDF: 76.8/34

All: -7.224+/-1.485 χ^2/NDF: 121.8/71

- sign -3.174+/-2.115 χ^2/NDF: 37.7/36

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8798.729+/-1.619 χ^2/NDF:347988.2/18

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

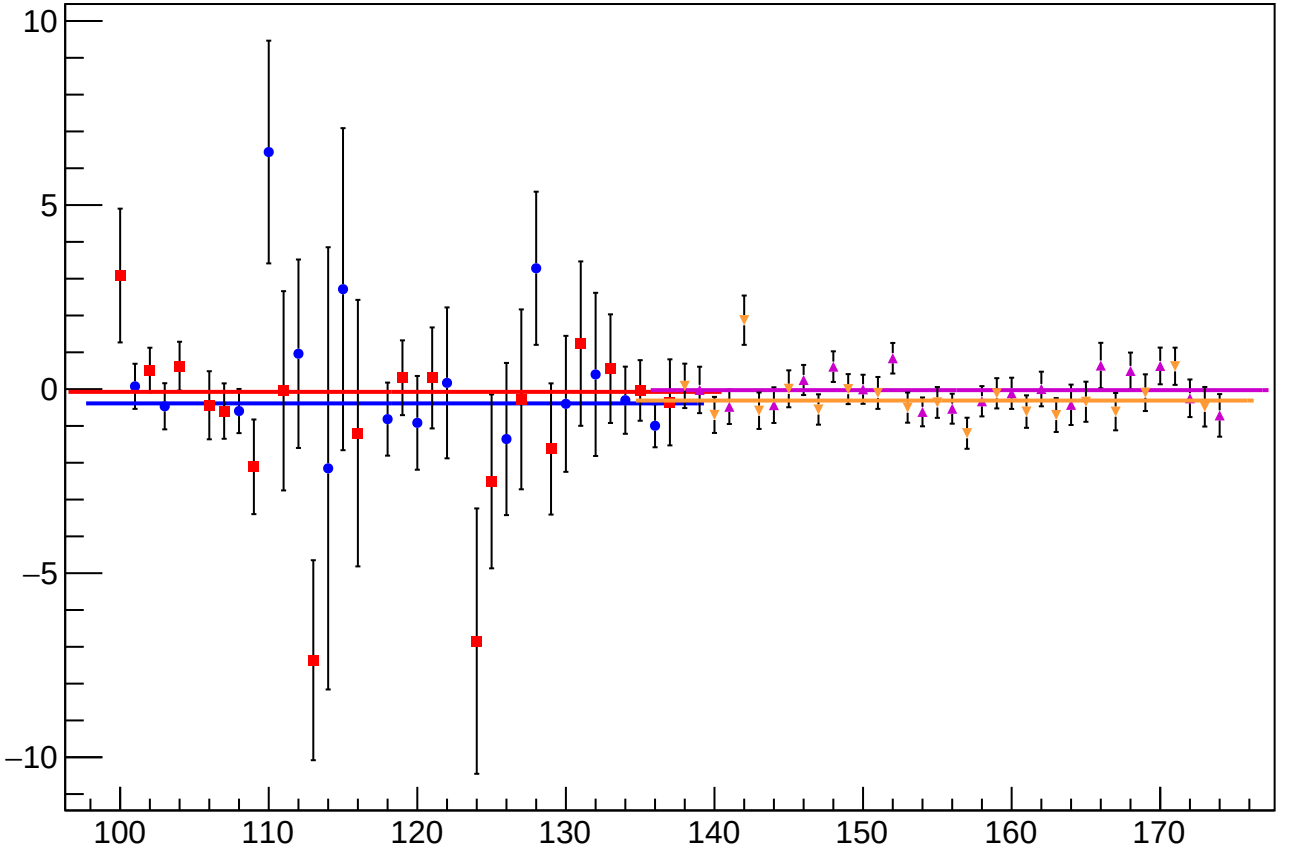
Left In: 8856.182+/-1.635 χ^2/NDF:306342.8/17

+ sign 9550.631+/-1.476 χ^2/NDF: 2294503.5/34

All: 9624.601+/-1.050 χ^2/NDF: 4734284.6/71

- sign 9700.560+/-1.495 χ^2/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: -0.310+/-0.108 χ^2/NDF:23.7/18

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

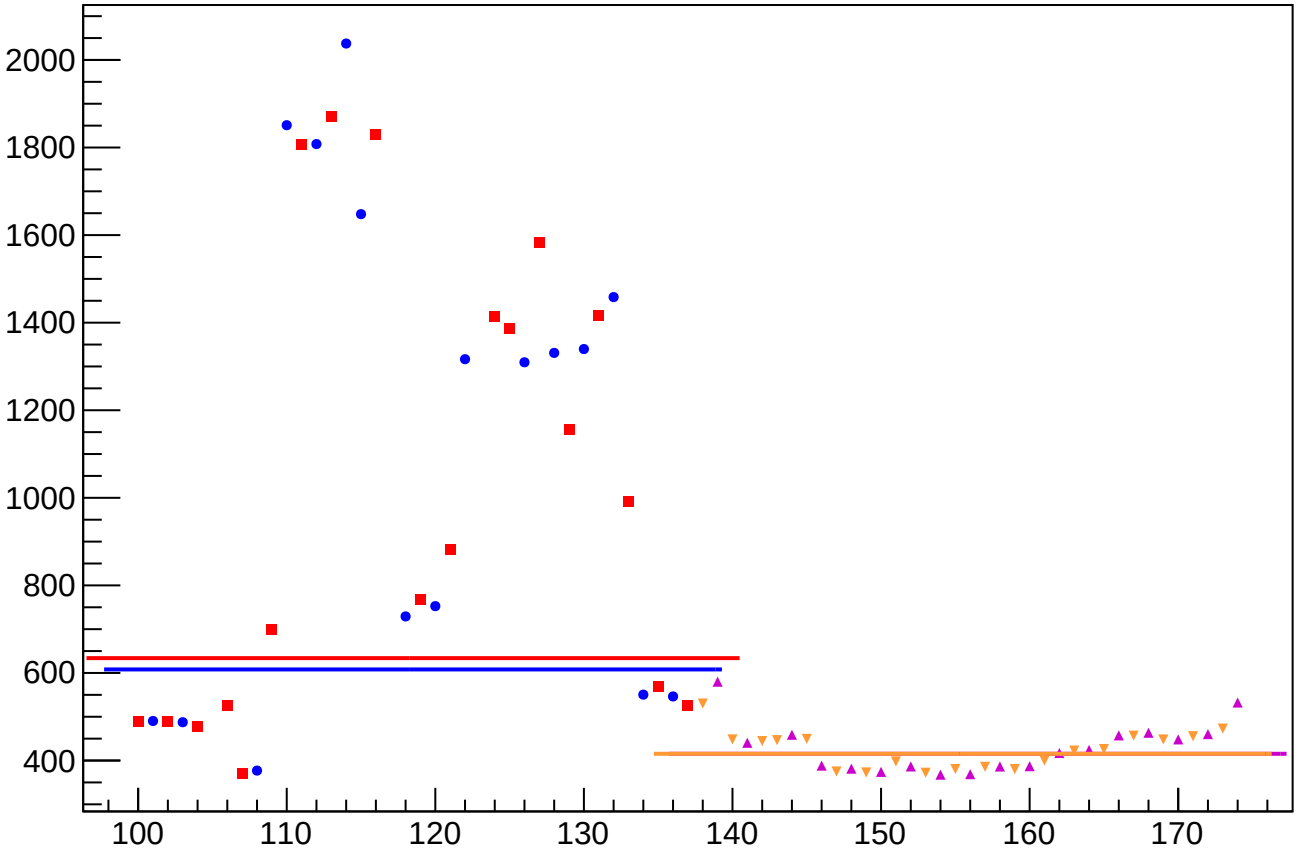
Left In: -0.028+/-0.109 χ^2/NDF:19.3/17

+ sign -0.322+/-0.099 χ^2/NDF: 35.4/34

All: -0.180+/-0.071 χ^2/NDF: 80.6/71

- 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: 415.414+/-0.076 χ^2/NDF:267982.0/18

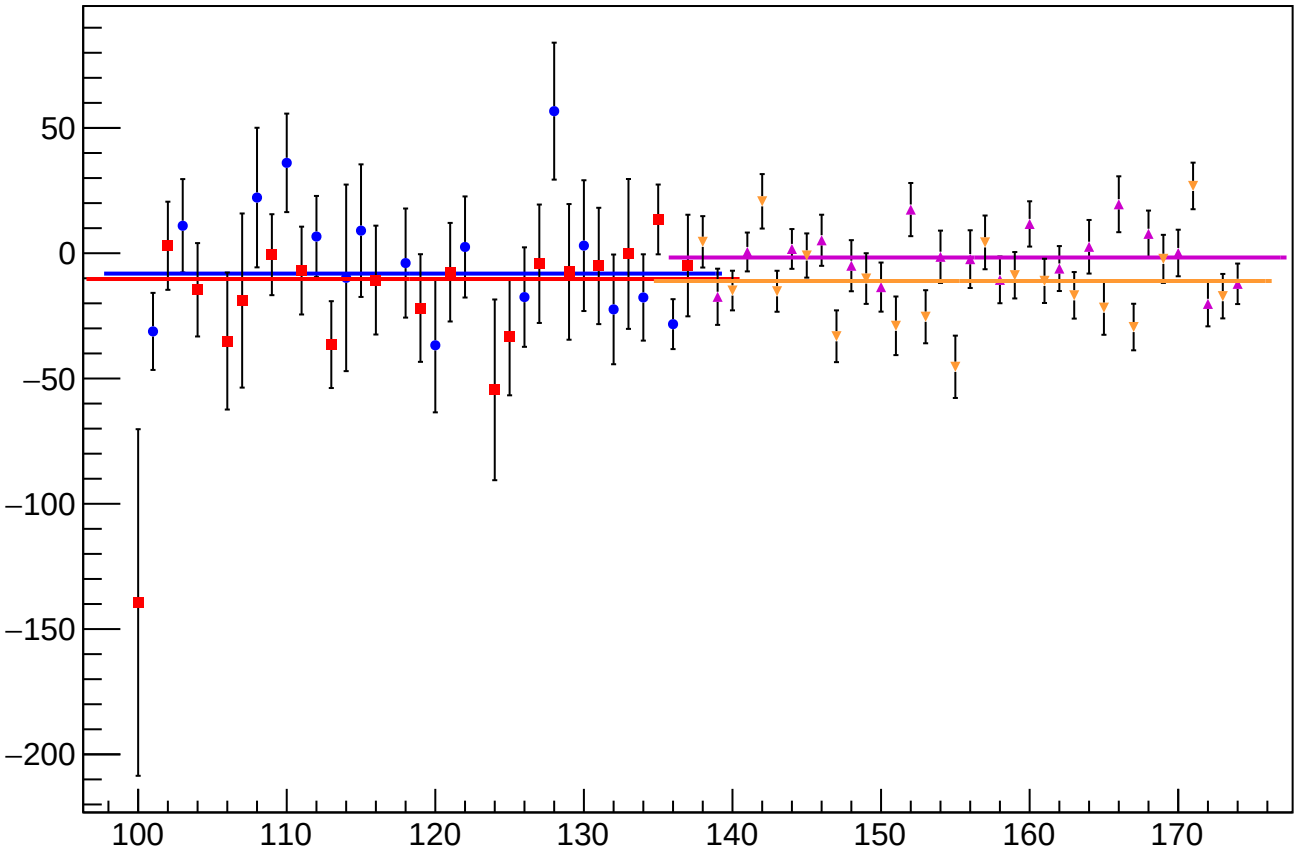
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 415.414+/-0.077 χ^2/NDF:420777.9/17

+ sign 444.467+/-0.070 χ^2/NDF: 4084758.0/34

All: 445.708+/-0.050 χ^2/NDF: 8461737.0/71

- 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: -11.085+/-2.216 χ^2/NDF:54.4/18

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

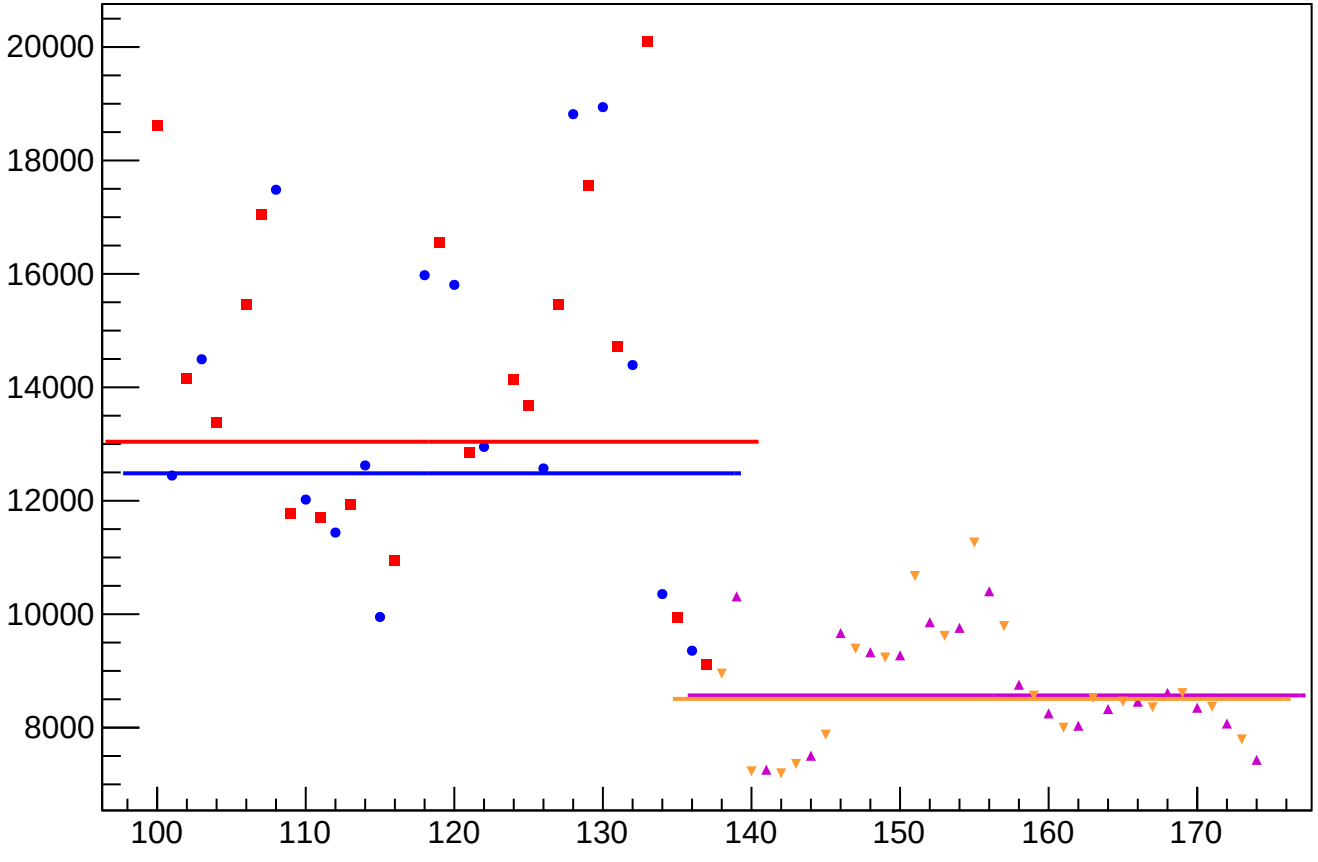
Left In: -1.704+/-2.239 χ^2/NDF:21.6/17

\+ sign -10.562+/-2.010 χ^2/NDF: 77.8/34

All: -6.925+/-1.430 χ^2/NDF: 122.3/71

\- 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: 8507.175+/-1.567 χ^2/NDF:398223.2/18

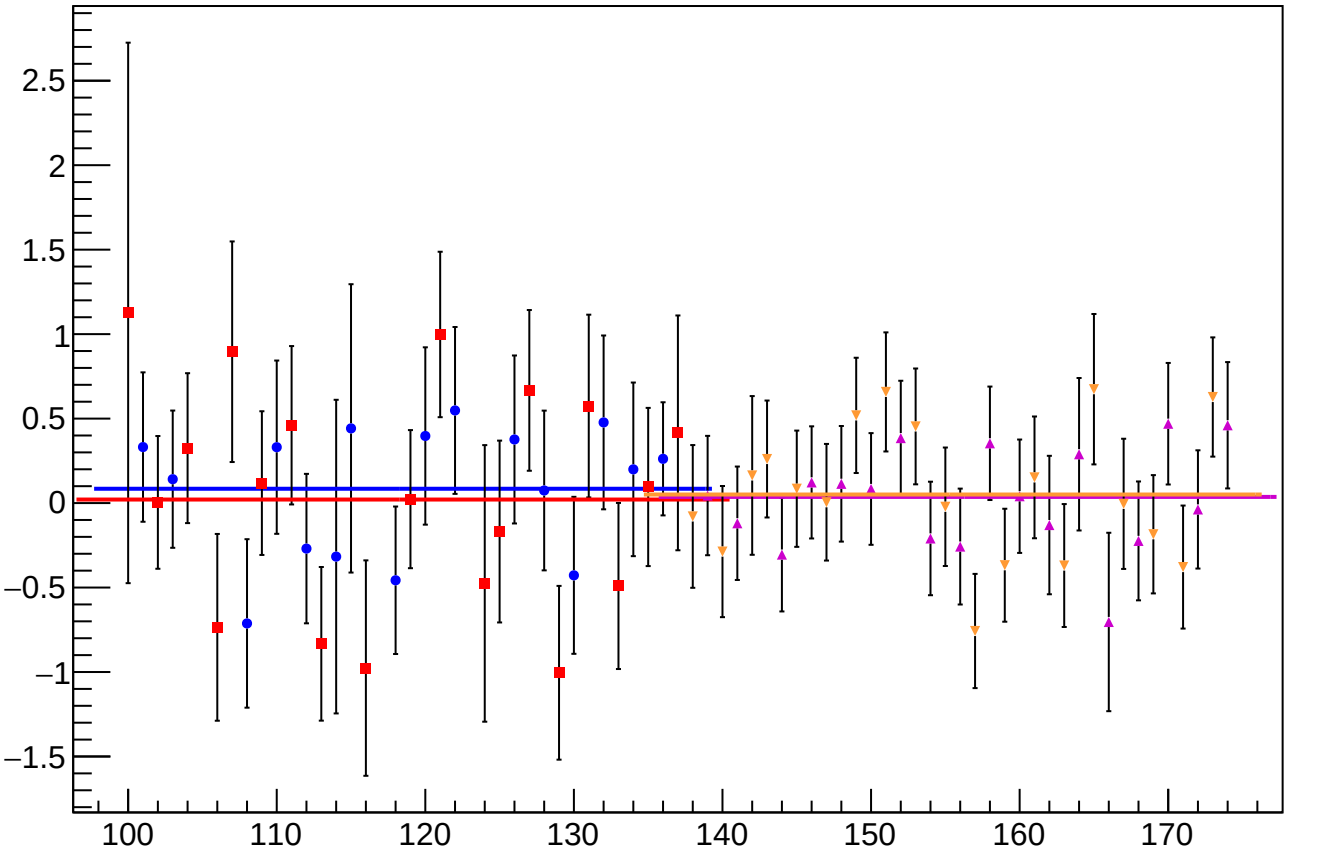
Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8567.628+/-1.583 χ^2/NDF:351041.1/17

+ sign 9210.853+/-1.422 χ^2/NDF: 2209589.4/34

All: 9278.174+/-1.011 χ^2/NDF: 4501332.6/71

- 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: 0.051+/-0.083 χ^2/NDF:22.8/18

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

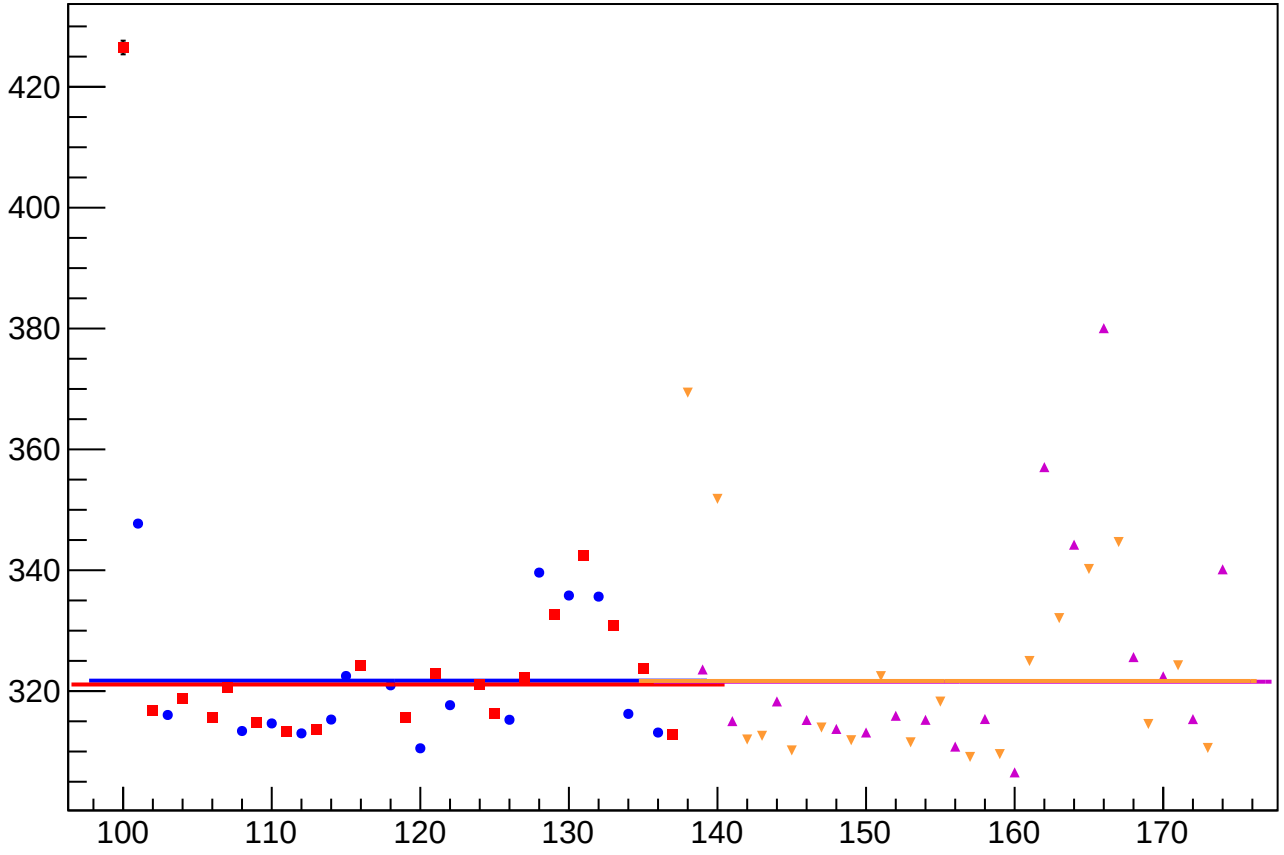
Left In: 0.037+/-0.084 χ^2/NDF:10.4/17

+ sign 0.062+/-0.069 χ^2/NDF: 32.2/34

All: 0.046+/-0.048 χ^2/NDF: 67.0/71

- 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: 321.677+/-0.059 χ^2/NDF:67312.3/18

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

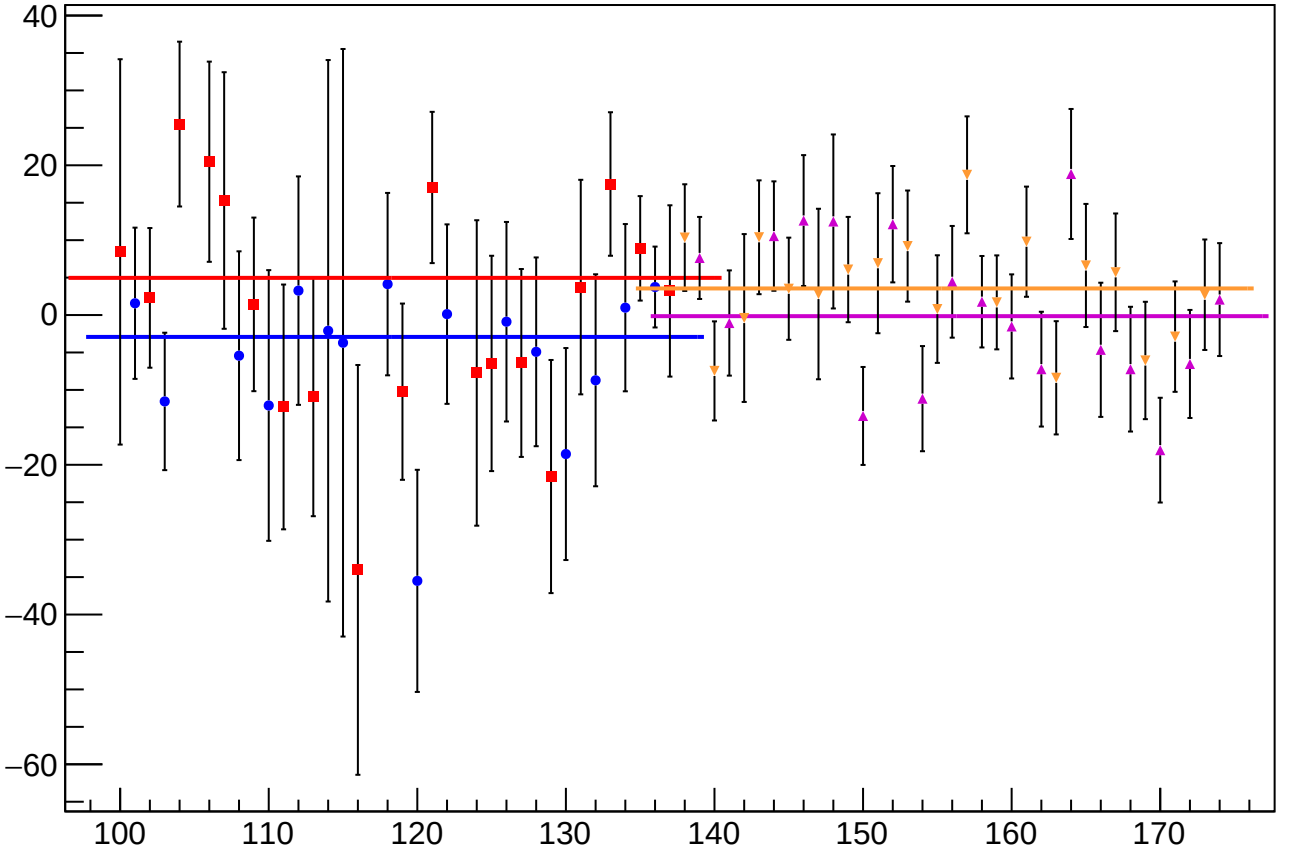
Left In: 321.552+/-0.059 χ^2/NDF:62439.7/17

+ sign 321.693+/-0.048 χ^2/NDF: 85527.1/34

All: 321.544+/-0.034 χ^2/NDF: 164585.1/71

- 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: 3.552+/-1.746 χ^2/NDF:15.2/18

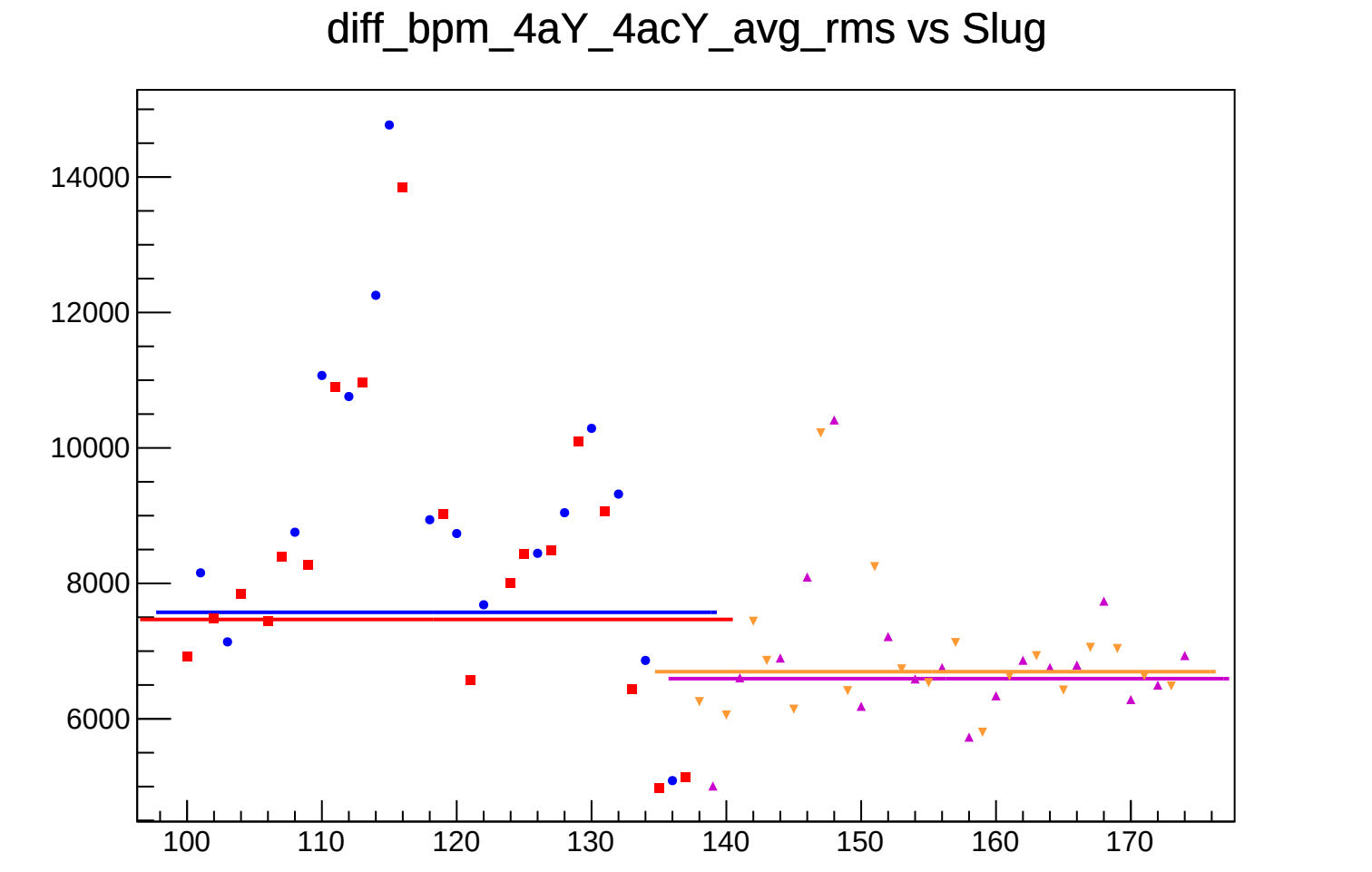
Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -0.150+/-1.733 χ^2/NDF:31.1/17

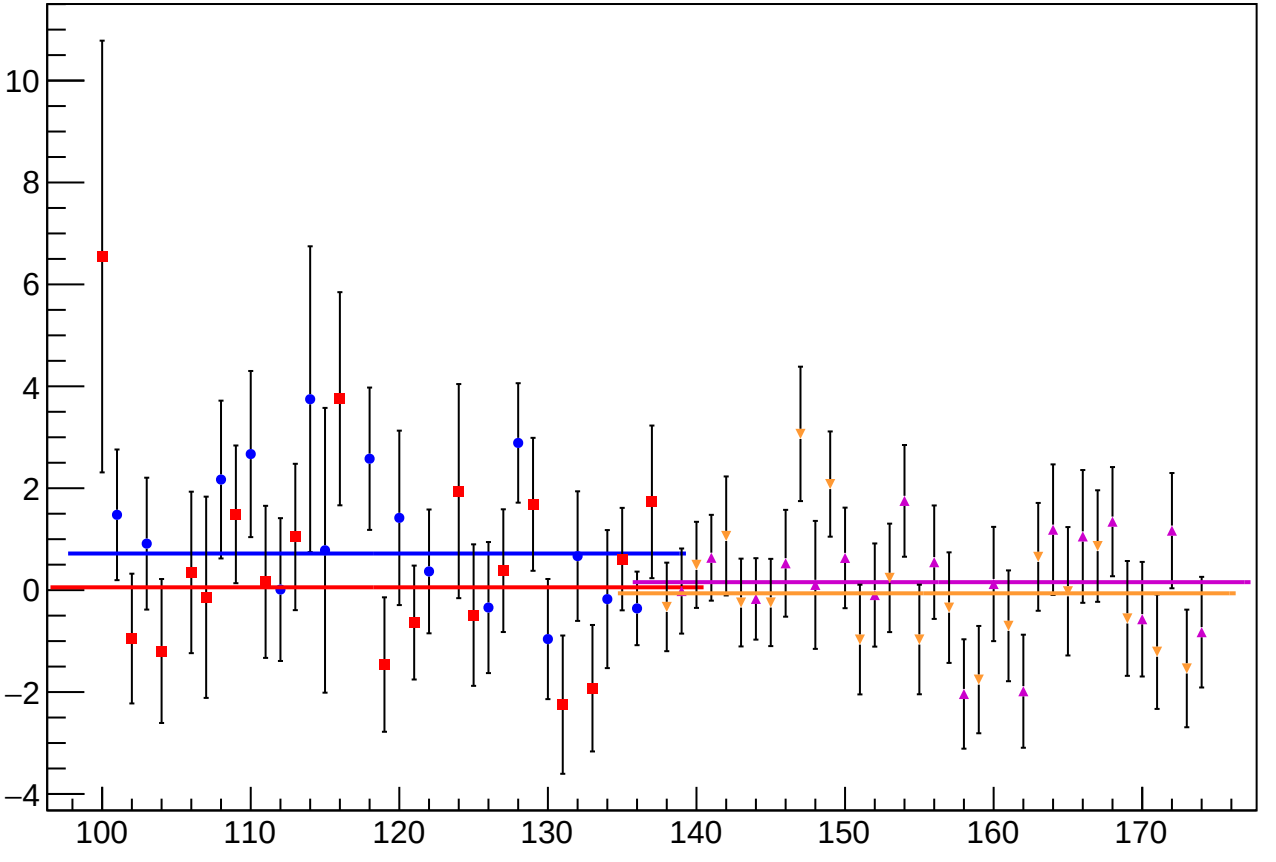
+ sign 1.838+/-1.497 χ^2/NDF: 28.6/34

All: 1.540+/-1.052 χ^2/NDF: 81.7/71

- 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: 6696.281+/-1.235 χ²/NDF:361120.4/18
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6593.269+/-1.226 χ²/NDF:560392.6/17
+ sign 6928.388+/-1.059 χ²/NDF: 1392213.8/34
All: 6879.798+/-0.744 χ²/NDF: 2924330.1/71
- 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: -0.062+/-0.238 χ^2/NDF:20.0/18

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

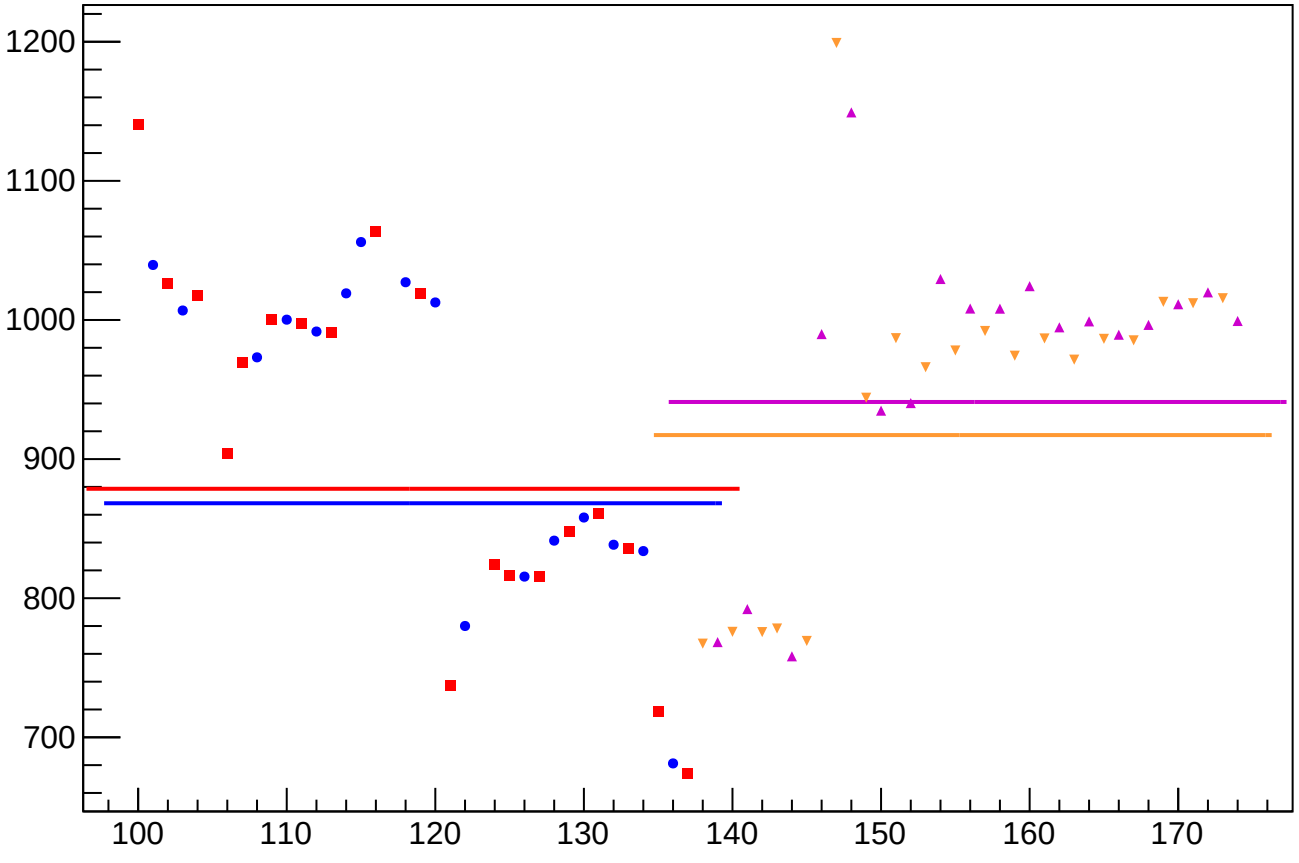
Left In: 0.157+/-0.246 χ^2/NDF:15.5/17

+ sign 0.210+/-0.192 χ^2/NDF: 38.6/34

All: 0.166+/-0.137 χ^2/NDF: 74.0/71

- 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: 917.263+/-0.169 χ^2/NDF:454411.3/18

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

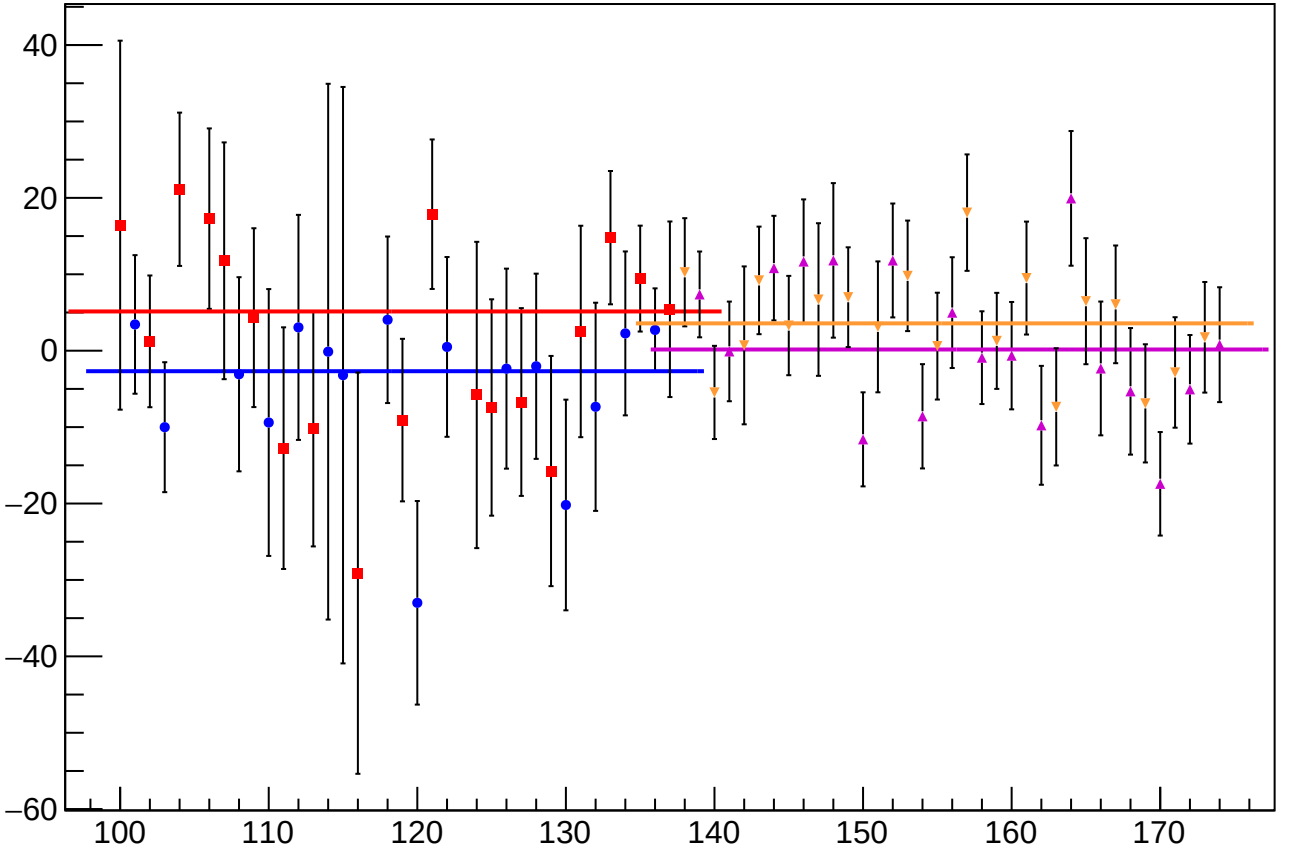
Left In: 941.056+/-0.174 χ^2/NDF:391306.6/17

+ sign 900.173+/-0.136 χ^2/NDF: 786275.5/34

All: 909.046+/-0.097 χ^2/NDF: 1505967.9/71

- 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: 3.577+/-1.688 χ^2/NDF:14.4/18

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

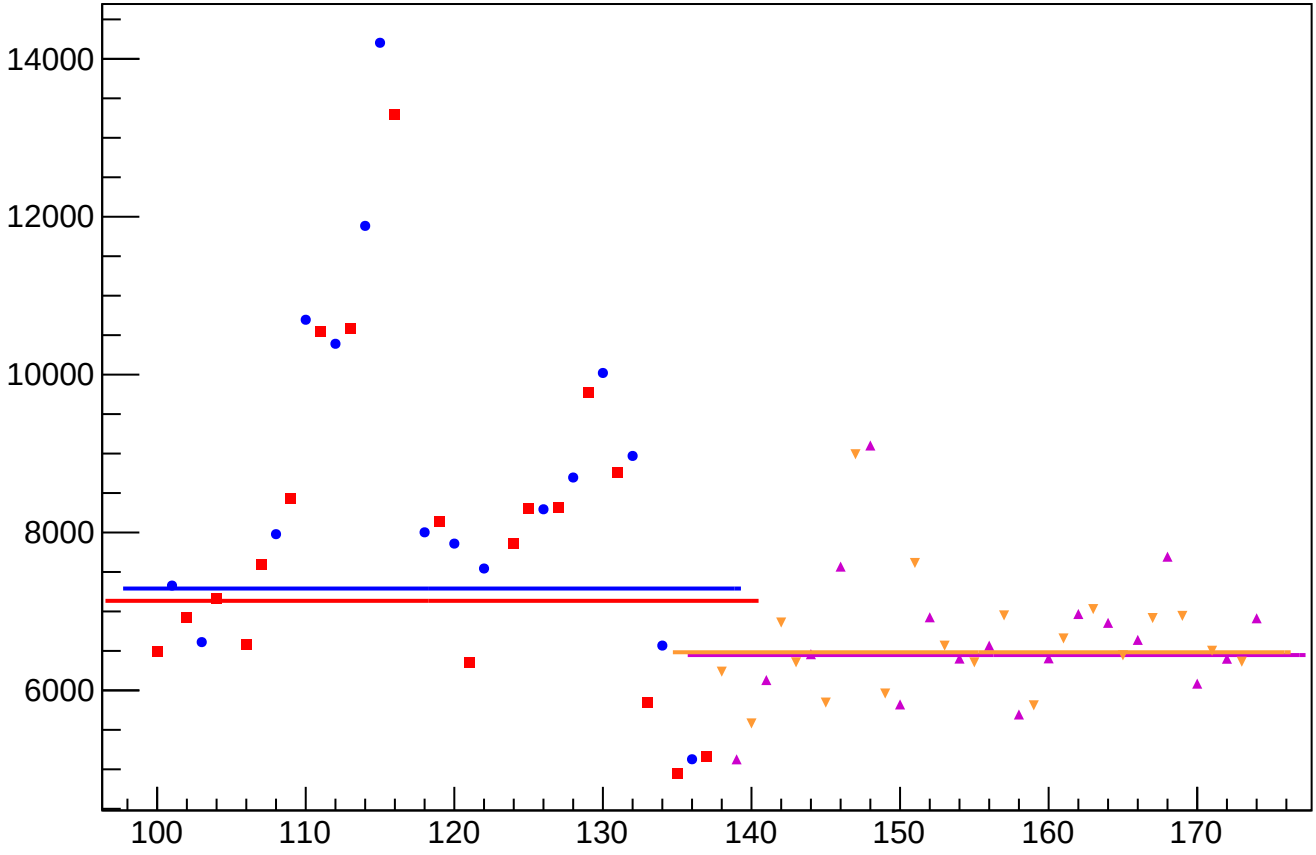
Left In: 0.158+/-1.690 χ^2/NDF:30.1/17

+ sign 1.898+/-1.444 χ^2/NDF: 28.2/34

All: 1.730+/-1.016 χ^2/NDF: 78.0/71

- 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: 6482.895+/-1.193 χ^2/NDF:299178.1/18

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

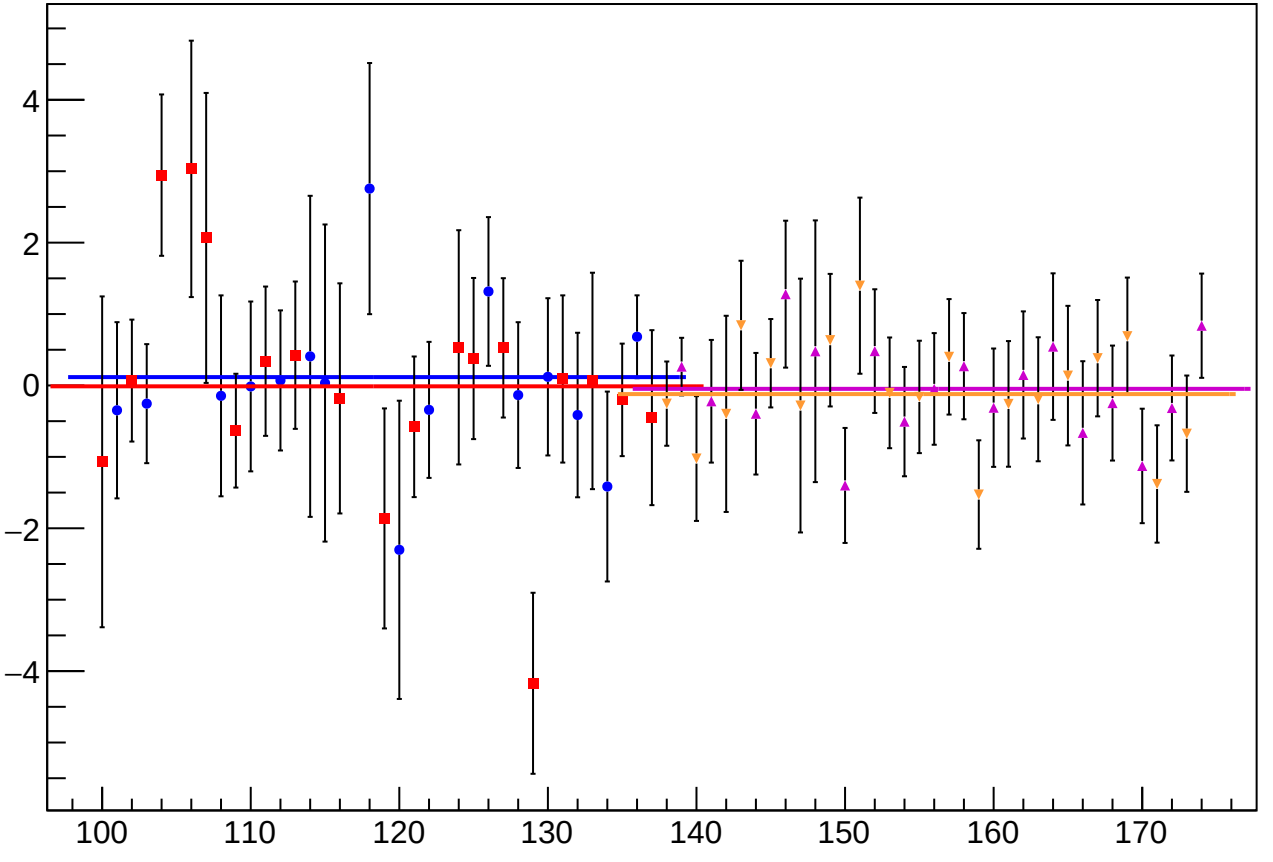
Left In: 6447.407+/-1.195 χ^2/NDF:424572.0/17

+ sign 6699.358+/-1.021 χ^2/NDF: 1192427.4/34

All: 6670.235+/-0.719 χ^2/NDF: 2504841.5/71

- 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: -0.121+/-0.193 χ^2/NDF:13.1/18

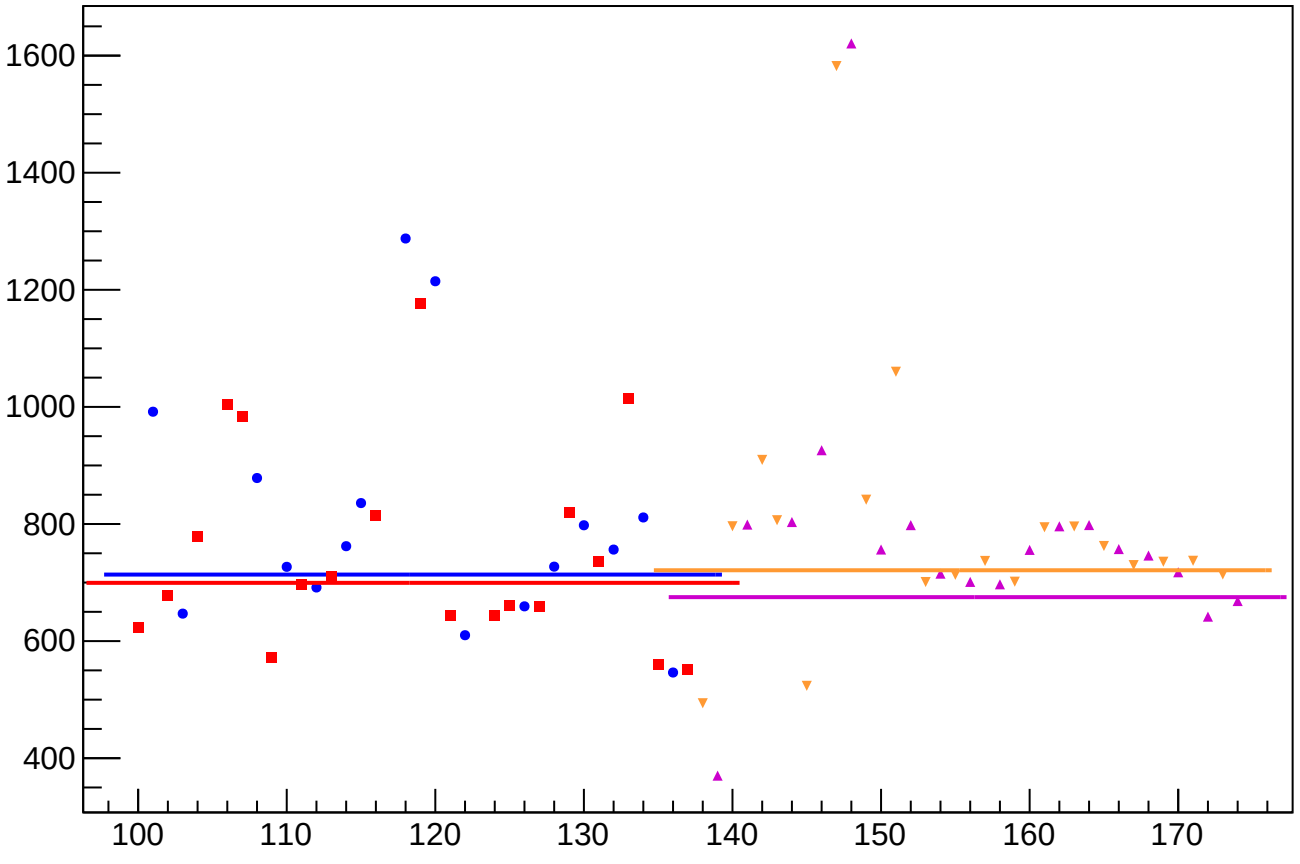
Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: -0.047+/-0.184 χ^2/NDF:10.6/17

+ sign -0.042+/-0.158 χ^2/NDF: 21.7/34

All: -0.039+/-0.109 χ^2/NDF: 57.5/71

- 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: 720.999+/-0.136 χ^2/NDF:1262691.9/18

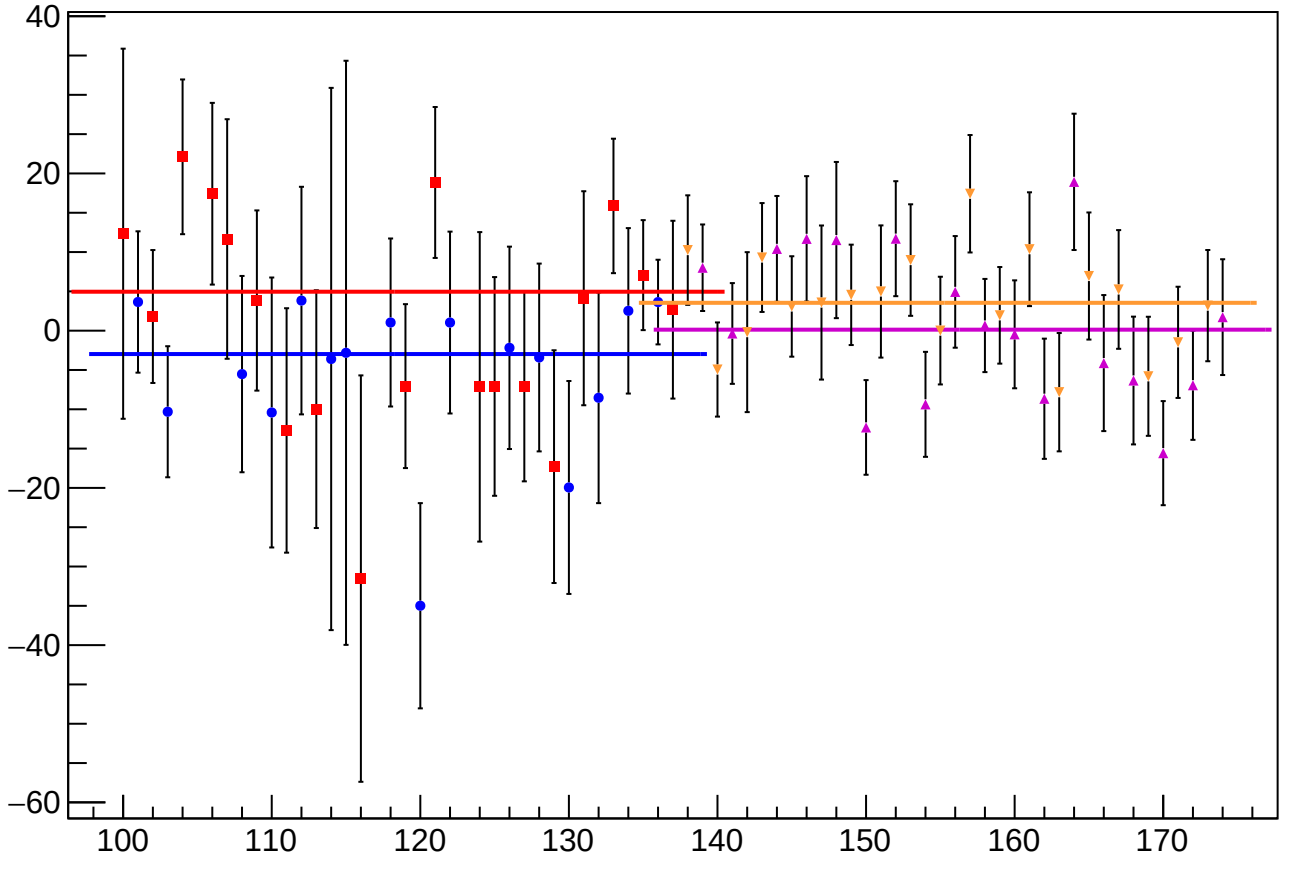
Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 675.091+/-0.130 χ^2/NDF:2075686.2/17

+ sign 718.546+/-0.111 χ^2/NDF: 1962967.7/34

All: 700.014+/-0.077 χ^2/NDF: 4678909.0/71

- sign 683.085+/-0.107 χ^2/NDF: 2663016.5/36



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.544+/-1.655 χ^2/NDF:13.6/18

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

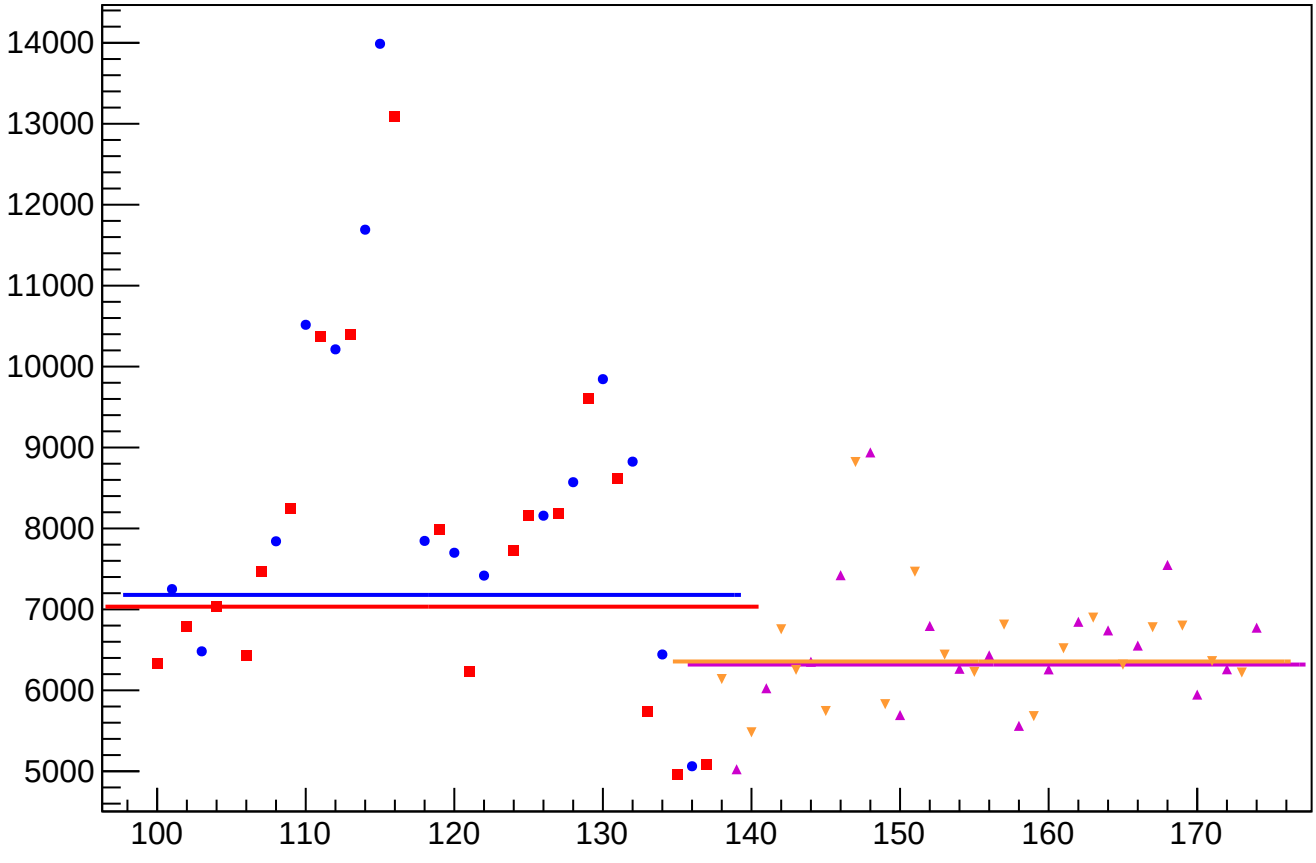
Left In: 0.128+/-1.657 χ^2/NDF:30.7/17

+ sign 1.808+/-1.417 χ^2/NDF: 29.3/34

All: 1.643+/-0.998 χ^2/NDF: 80.9/71

- 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: 6356.364+/-1.170 χ^2/NDF:299297.9/18

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

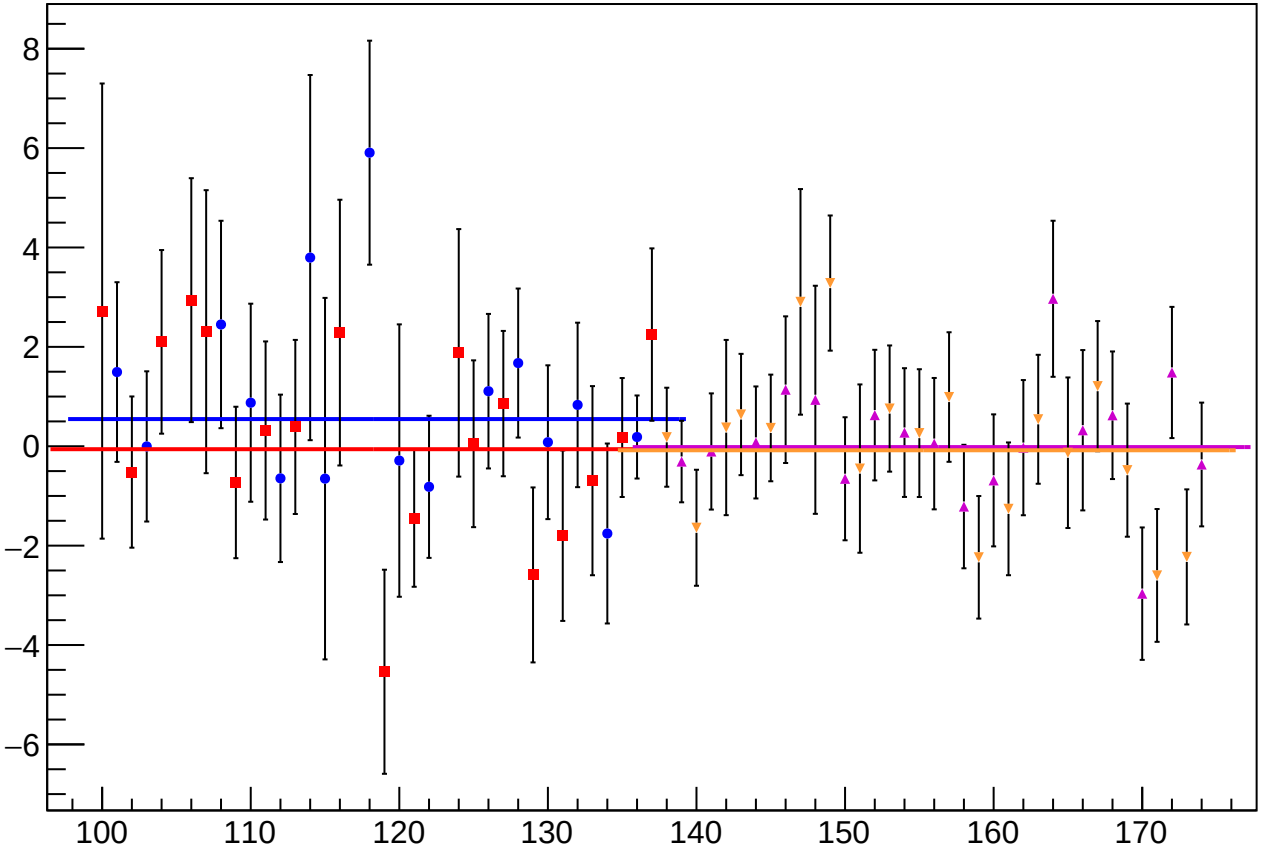
Left In: 6318.488+/-1.171 χ^2/NDF:431334.5/17

+ sign 6575.501+/-1.002 χ^2/NDF: 1192879.0/34

All: 6547.038+/-0.706 χ^2/NDF: 2496720.5/71

- 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: -0.081+/-0.302 χ^2/NDF:22.7/18

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

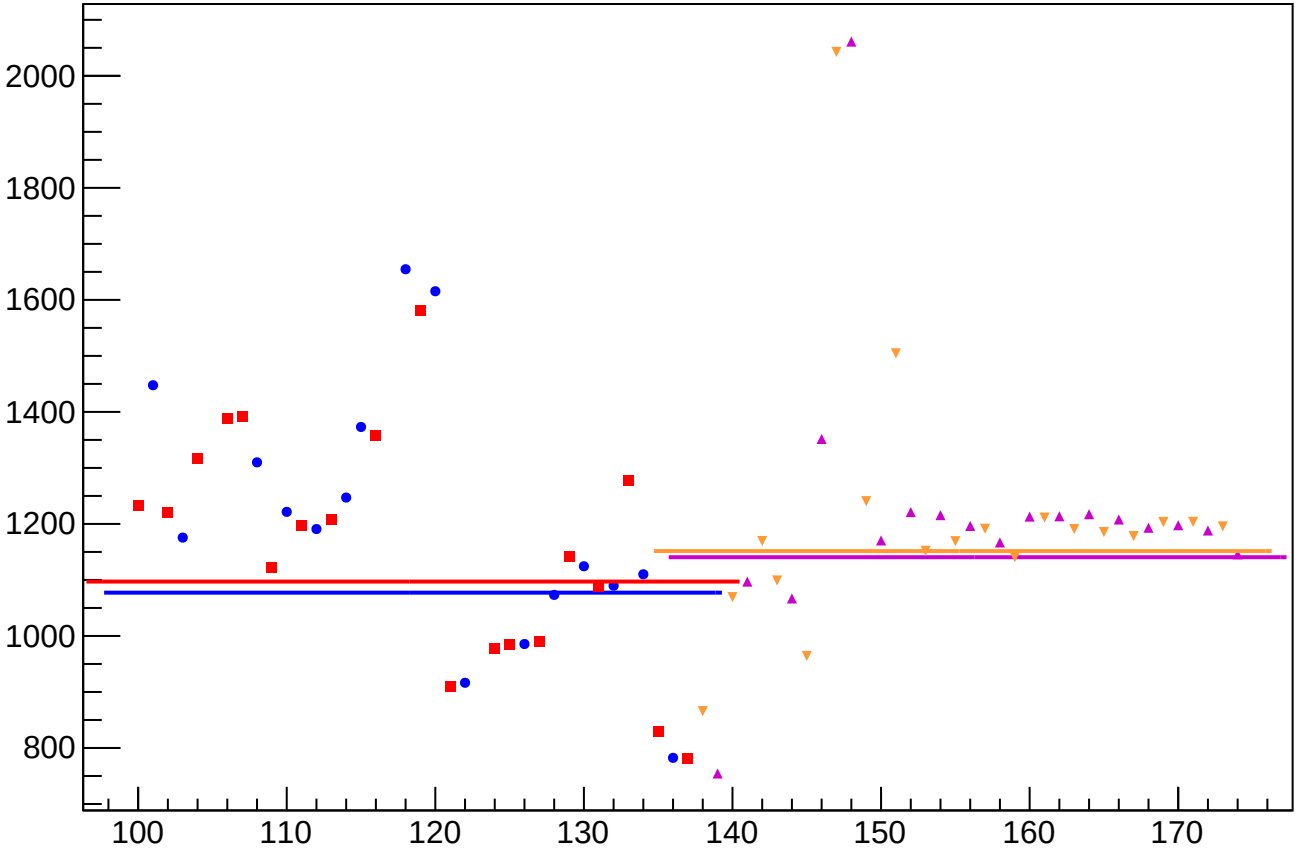
Left In: -0.017+/-0.302 χ^2/NDF:12.8/17

+ sign 0.139+/-0.243 χ^2/NDF: 36.1/34

All: 0.054+/-0.172 χ^2/NDF: 66.1/71

- 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: 1151.555+/-0.213 χ^2/NDF:661189.3/18

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

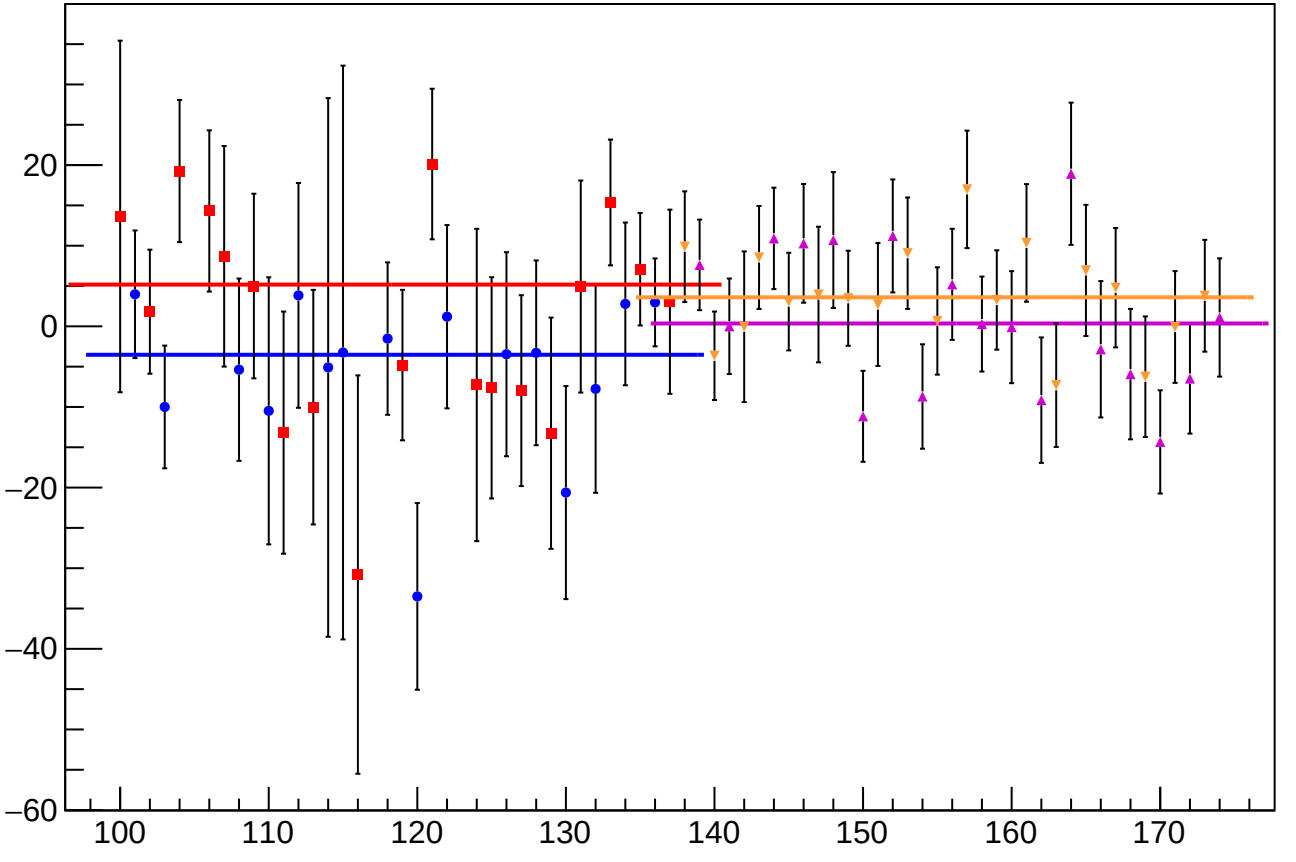
Left In: 1140.601+/-0.213 χ^2/NDF:866990.5/17

+ sign 1125.549+/-0.172 χ^2/NDF: 1350147.3/34

All: 1125.408+/-0.121 χ^2/NDF: 2716164.5/71

- sign 1125.268+/-0.172 χ^2/NDF: 1366015.9/36

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.600+/-1.591 χ^2/NDF:12.7/18

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

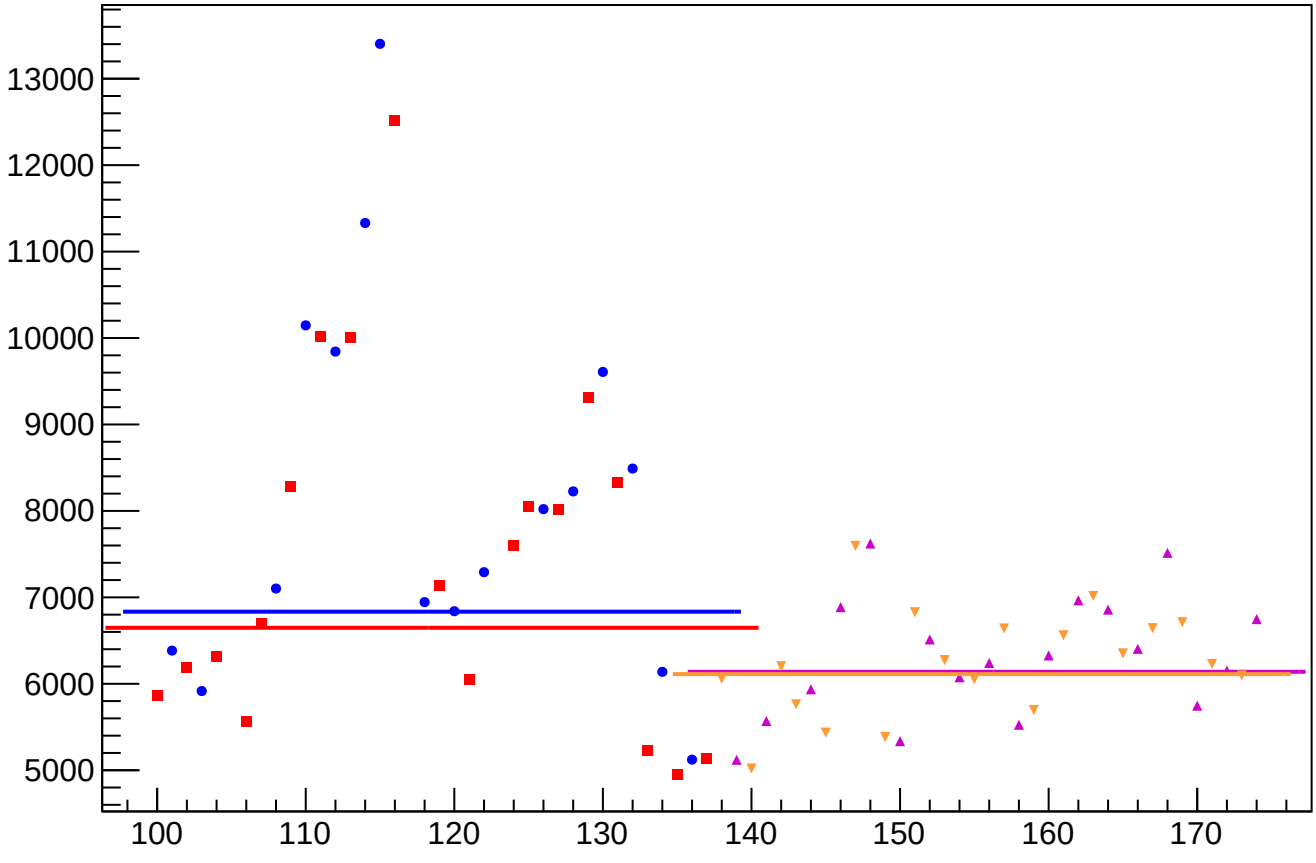
Left In: 0.354+/-1.607 χ^2/NDF:29.8/17

+ sign 1.667+/-1.358 χ^2/NDF: 30.7/34

All: 1.712+/-0.959 χ^2/NDF: 81.3/71

- 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: 6112.118+/-1.125 χ^2/NDF:302540.3/18

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

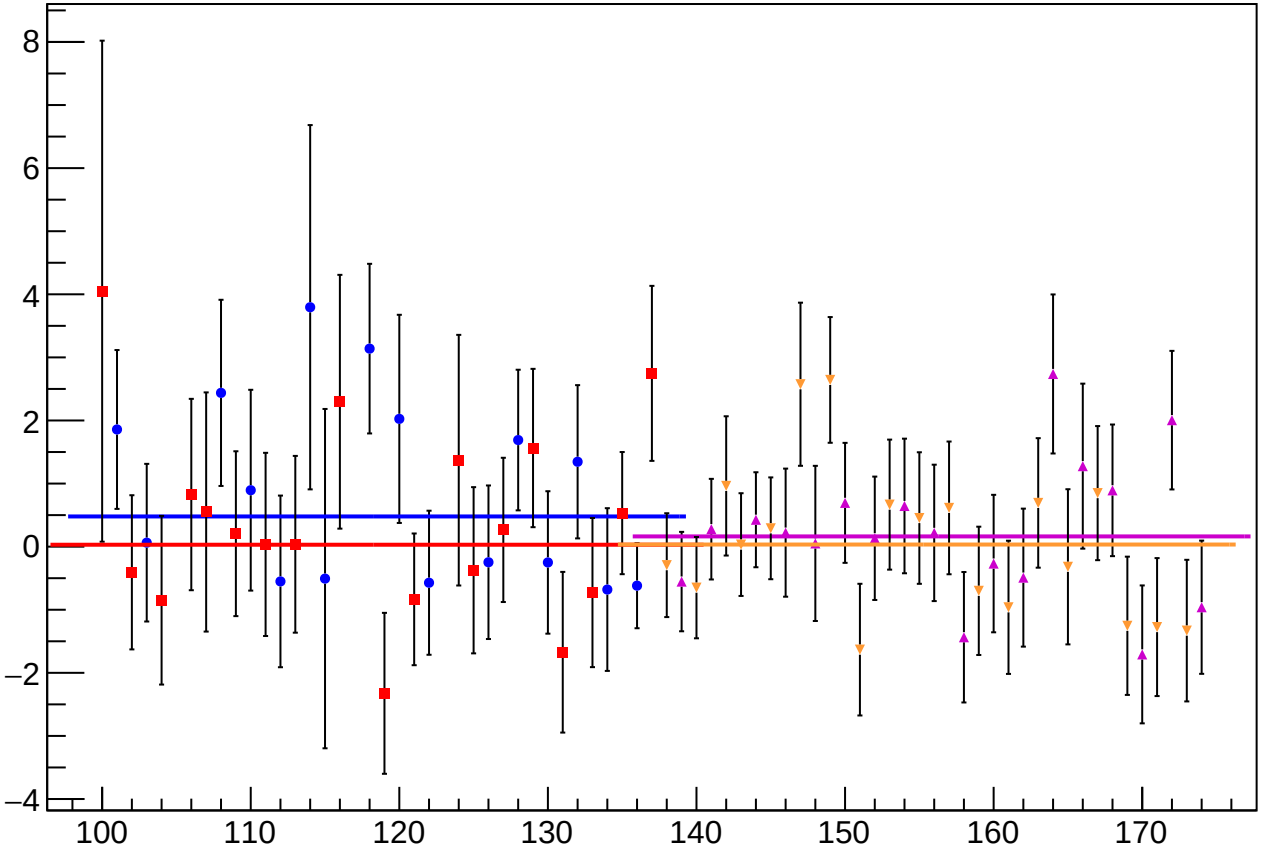
Left In: 6139.288+/-1.136 χ^2/NDF:355792.9/17

\+ sign 6307.982+/-0.960 χ^2/NDF: 1107032.7/34

All: 6297.619+/-0.678 χ^2/NDF: 2306499.0/71

\- 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: 0.034+/-0.229 χ^2/NDF:22.6/18

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

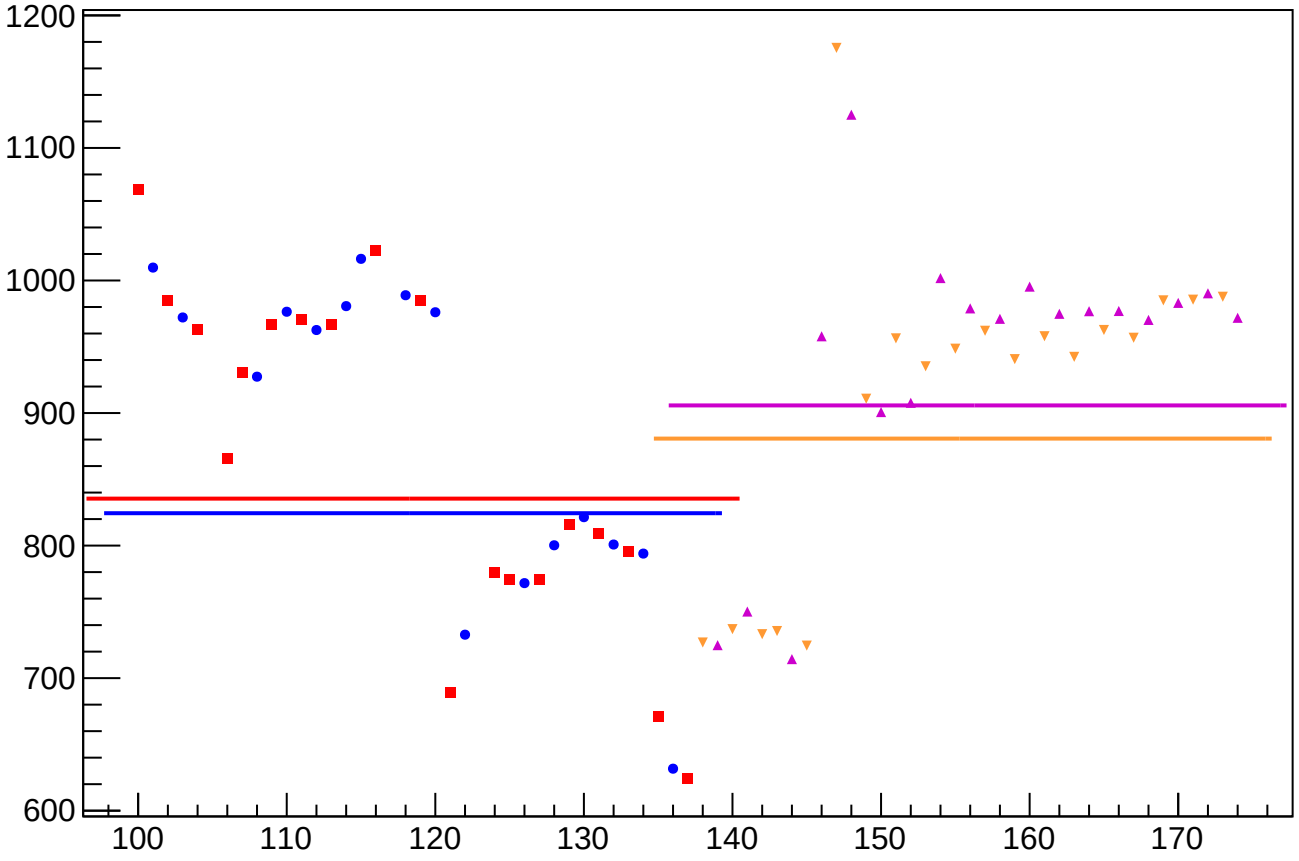
Left In: 0.162+/-0.237 χ^2/NDF:16.7/17

+ sign 0.191+/-0.185 χ^2/NDF: 40.6/34

All: 0.153+/-0.132 χ^2/NDF: 73.2/71

- 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: 880.722+/-0.162 χ^2/NDF:549250.3/18

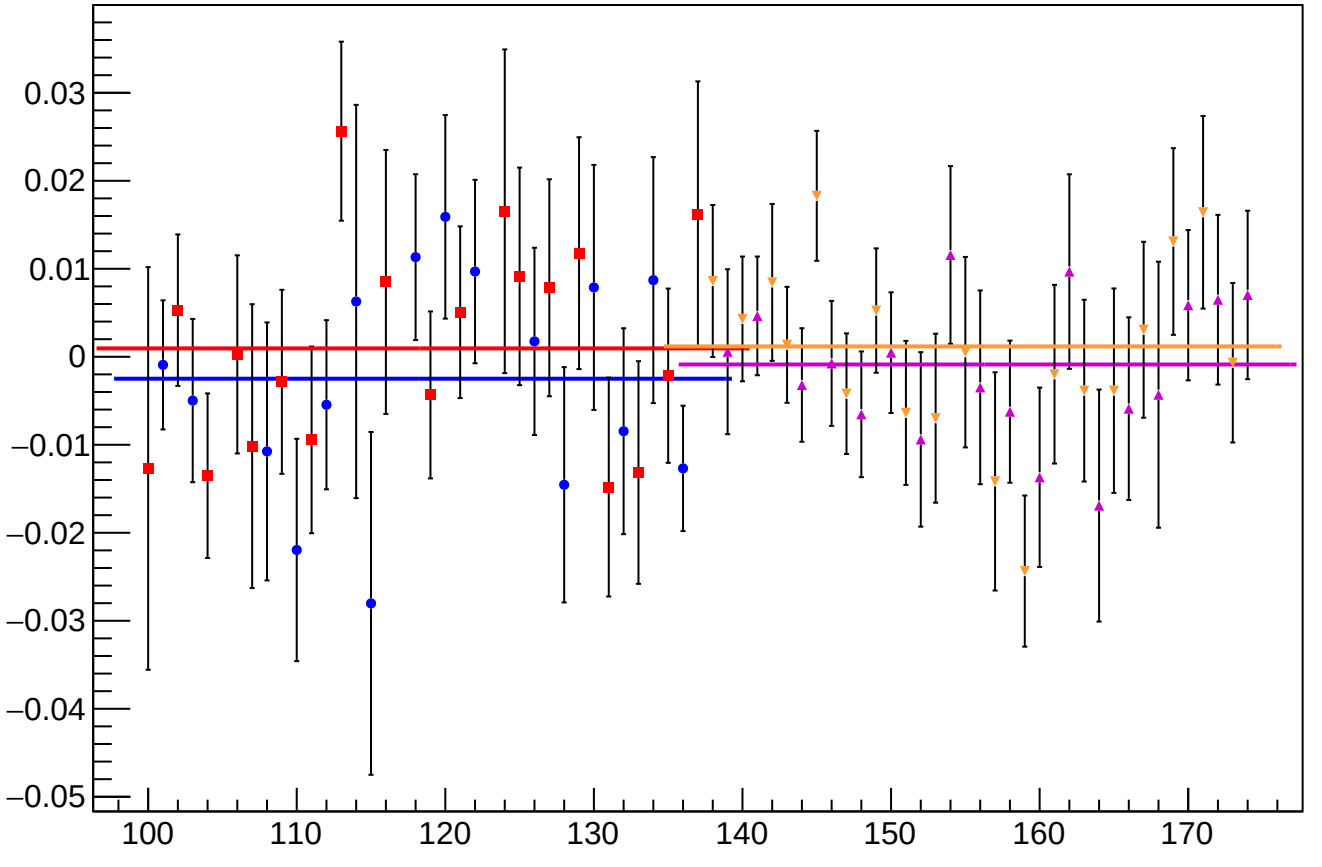
Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 905.752+/-0.168 χ^2/NDF:484270.0/17

+ sign 860.871+/-0.131 χ^2/NDF: 957184.4/34

All: 870.077+/-0.093 χ^2/NDF: 1836188.0/71

- 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:23.7/18

Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

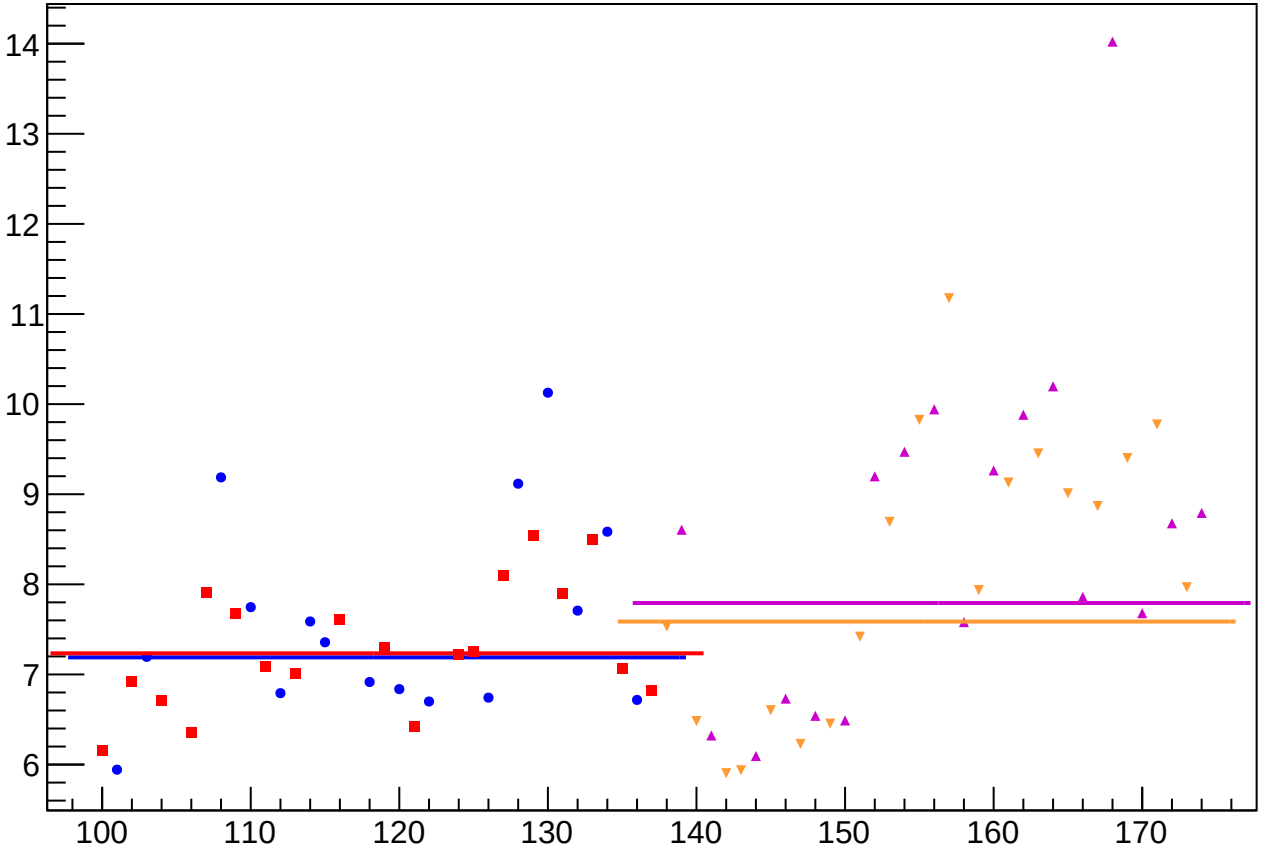
Left In: -0.001+/-0.002 χ^2/NDF:10.4/17

+ sign -0.000+/-0.002 χ^2/NDF: 40.2/34

All: -0.000+/-0.001 χ^2/NDF: 68.1/71

- 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: 7.587+/-0.001 χ^2/NDF:1010779.3/18

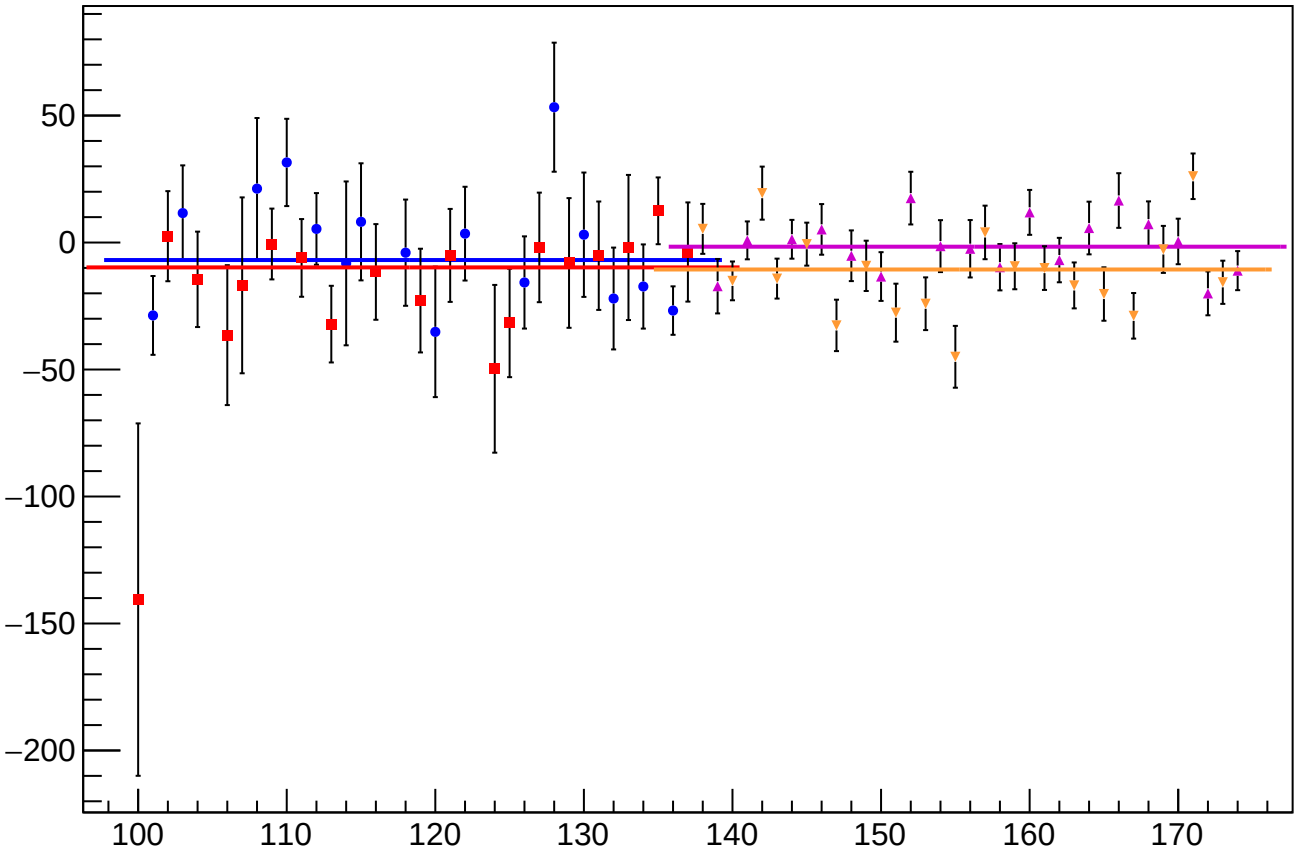
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.793+/-0.001 χ^2/NDF:1158164.5/17

+ sign 7.446+/-0.001 χ^2/NDF: 1316201.5/34

All: 7.514+/-0.001 χ^2/NDF: 2642728.4/71

- 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: -10.613+/-2.148 χ^2/NDF:54.7/18

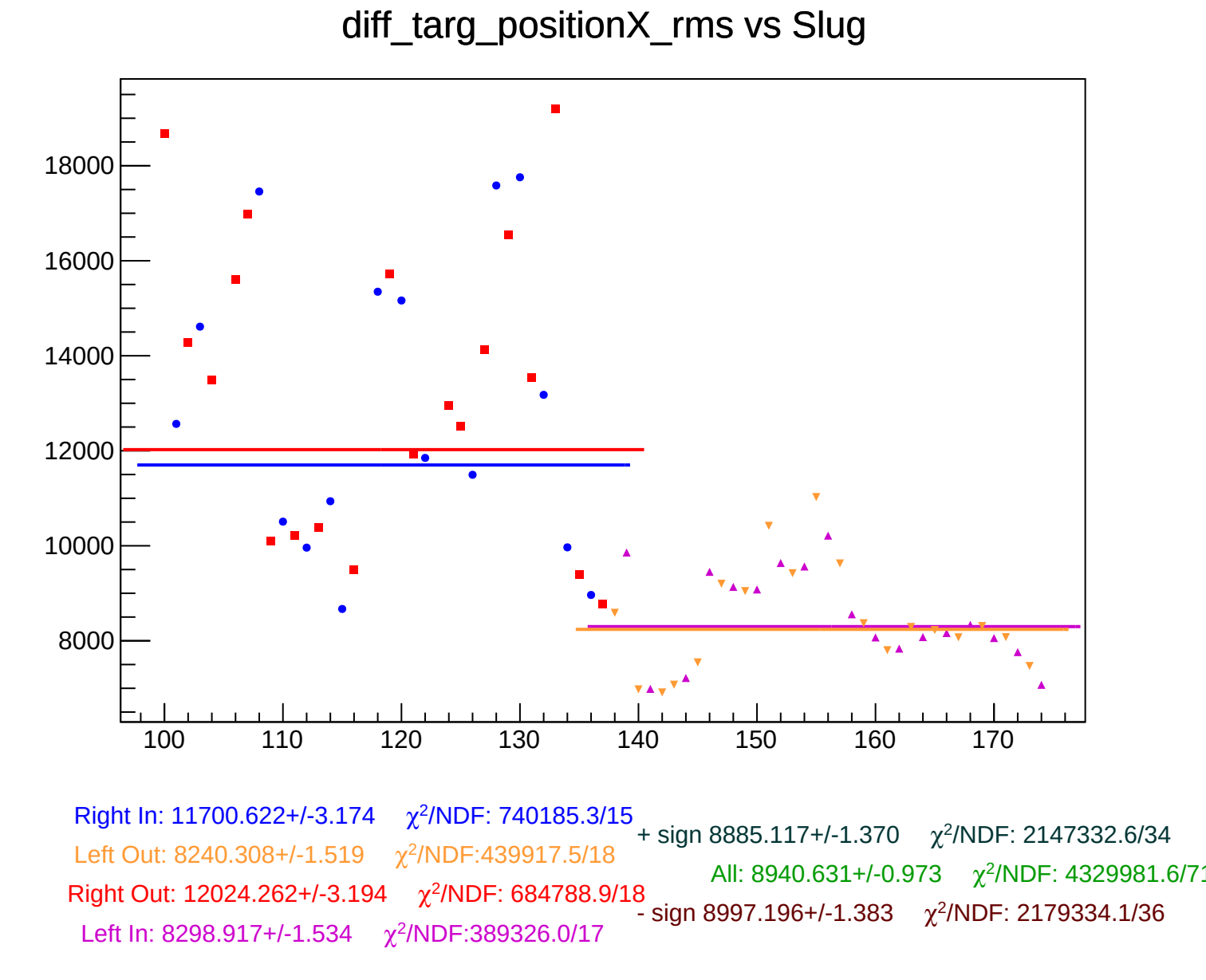
Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

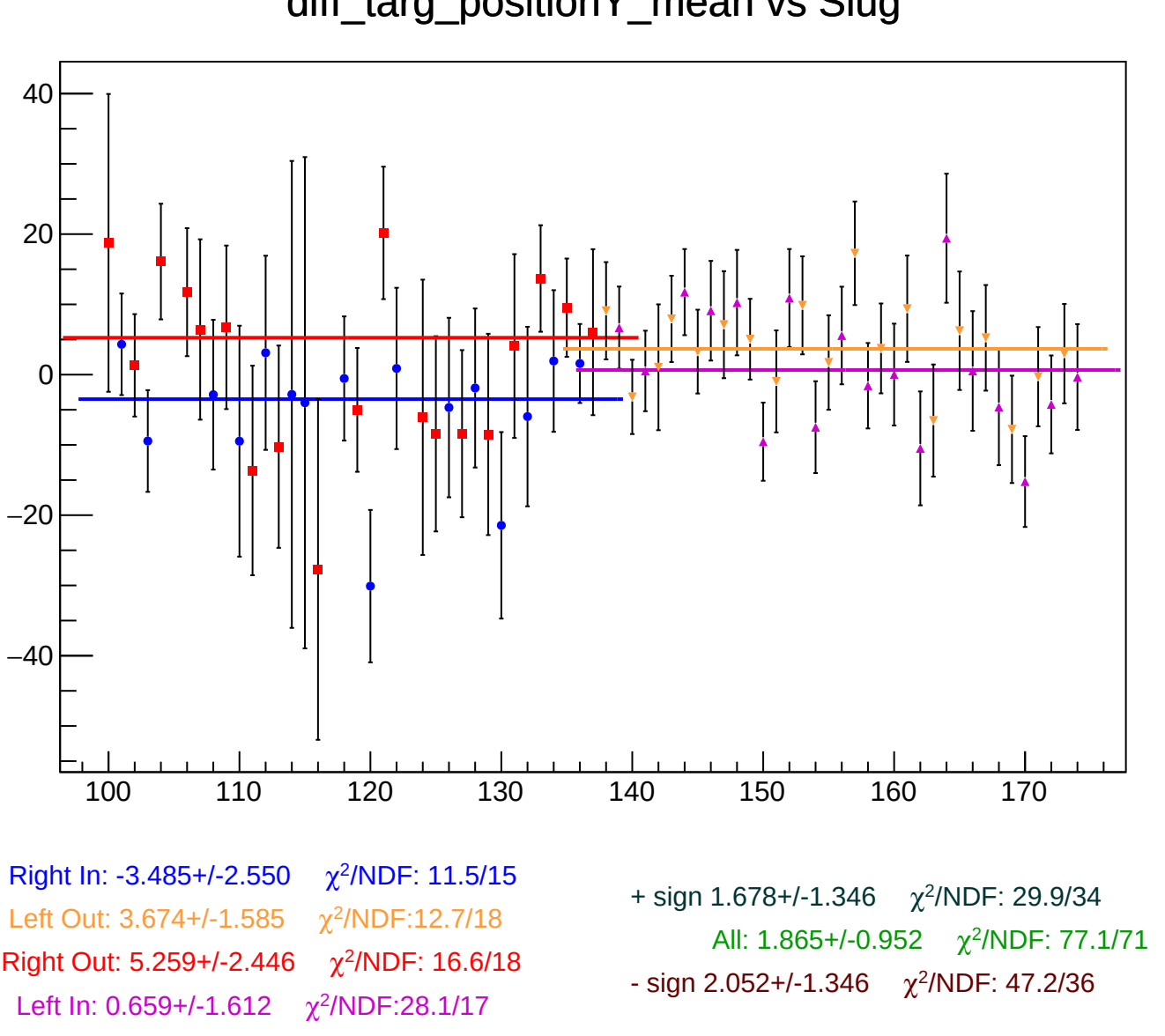
Left In: -1.638+/-2.170 χ^2/NDF:21.8/17

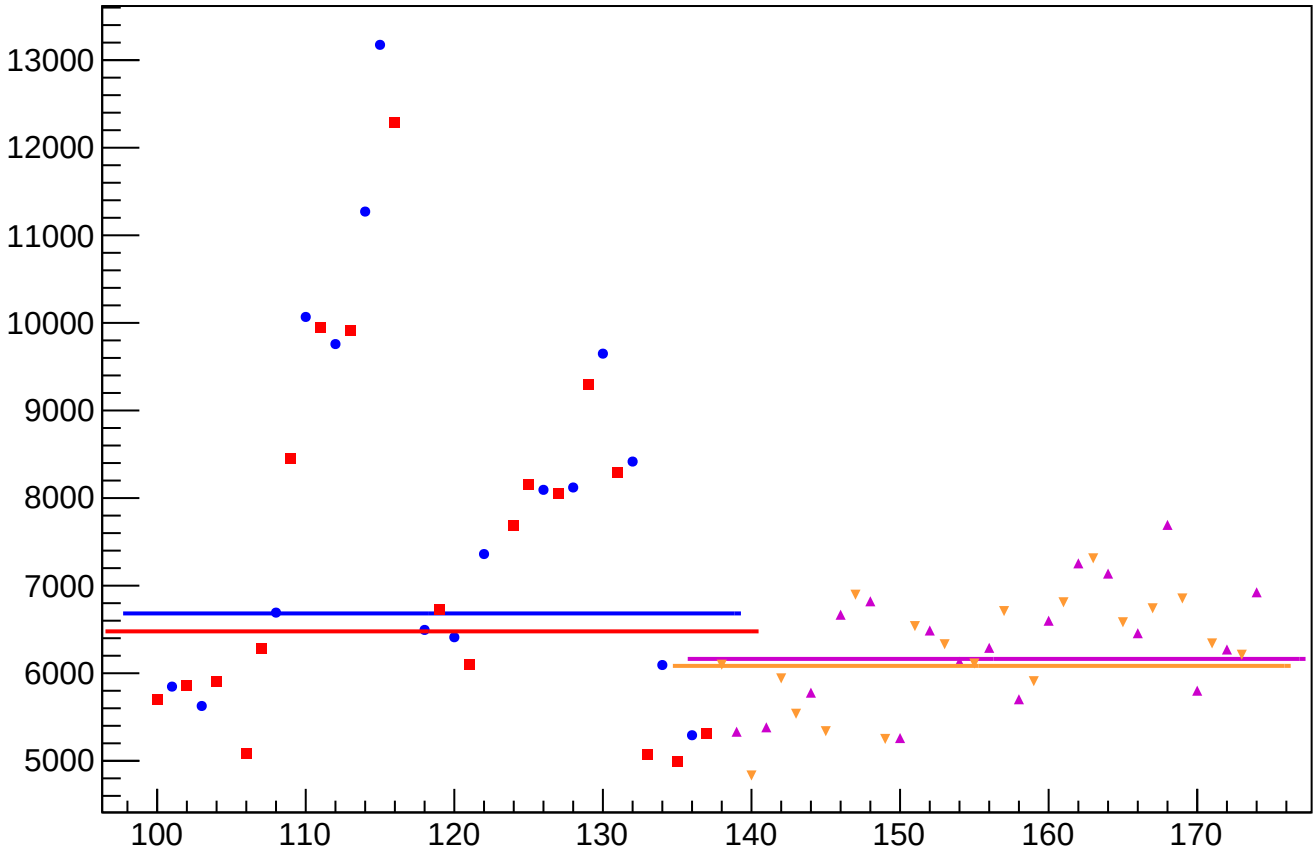
+ sign -9.920+/-1.938 χ^2/NDF: 78.3/34

All: -6.575+/-1.376 χ^2/NDF: 122.7/71

- sign -3.166+/-1.956 χ^2/NDF: 38.4/36


diff_targ_positionX_rms vs Slug
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 11700.622+/-3.174 χ²/NDF: 740185.3/15
Left Out: 8240.308+/-1.519 χ²/NDF:439917.5/18
Right Out: 12024.262+/-3.194 χ²/NDF: 684788.9/18
Left In: 8298.917+/-1.534 χ²/NDF:389326.0/17
+ sign 8885.117+/-1.370 χ²/NDF: 2147332.6/34
All: 8940.631+/-0.973 χ²/NDF: 4329981.6/71
- sign 8997.196+/-1.383 χ²/NDF: 2179334.1/36


diff_targ_positionY_mean vs Slug
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: -3.485+/-2.550 χ²/NDF: 11.5/15
Left Out: 3.674+/-1.585 χ²/NDF:12.7/18
Right Out: 5.259+/-2.446 χ²/NDF: 16.6/18
Left In: 0.659+/-1.612 χ²/NDF:28.1/17
+ sign 1.678+/-1.346 χ²/NDF: 29.9/34
All: 1.865+/-0.952 χ²/NDF: 77.1/71
- sign 2.052+/-1.346 χ²/NDF: 47.2/36



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6084.114+/-1.121 χ^2/NDF:362435.6/18

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

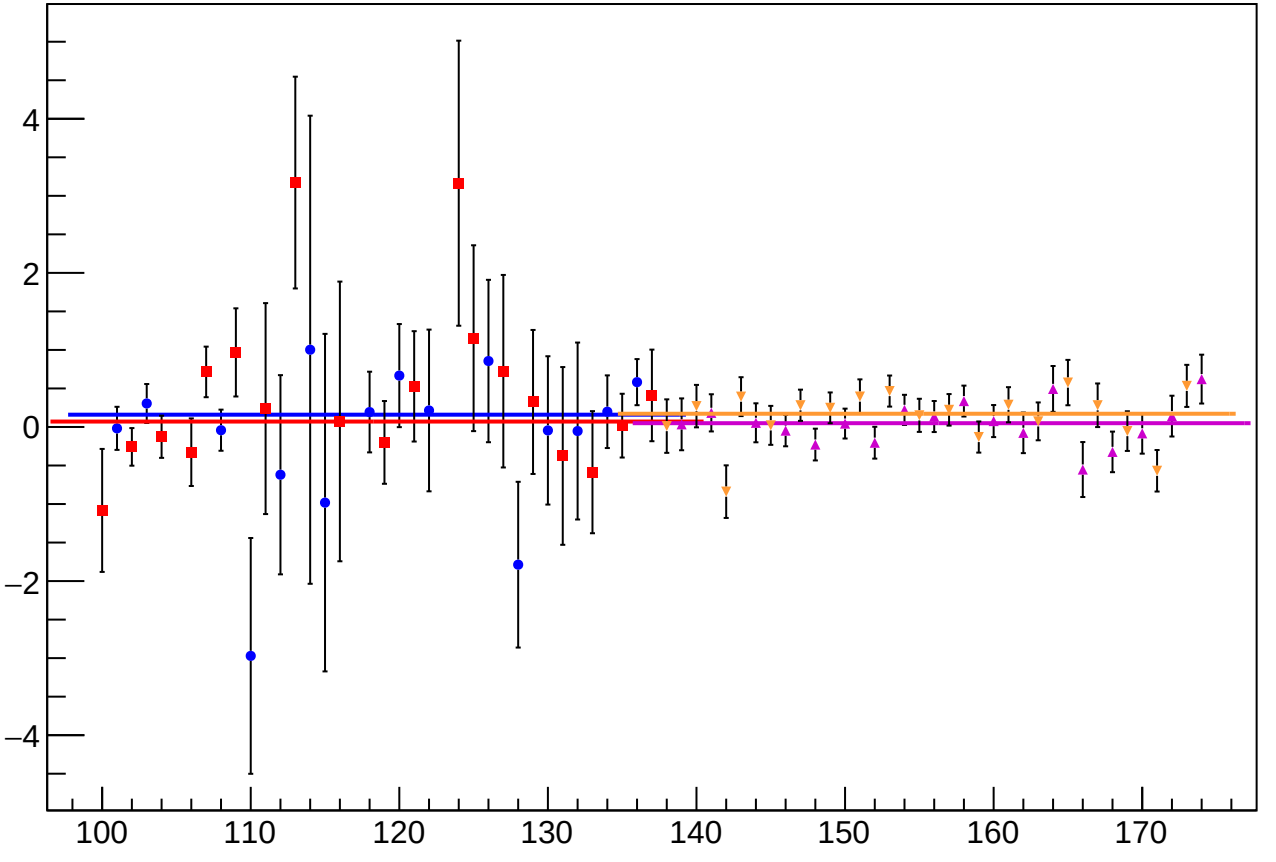
Left In: 6163.698+/-1.140 χ^2/NDF:344059.5/17

+ sign 6251.073+/-0.952 χ^2/NDF: 1134216.4/34

All: 6254.989+/-0.673 χ^2/NDF: 2340572.4/71

- 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: 0.172+/-0.055 χ^2/NDF:28.6/18

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

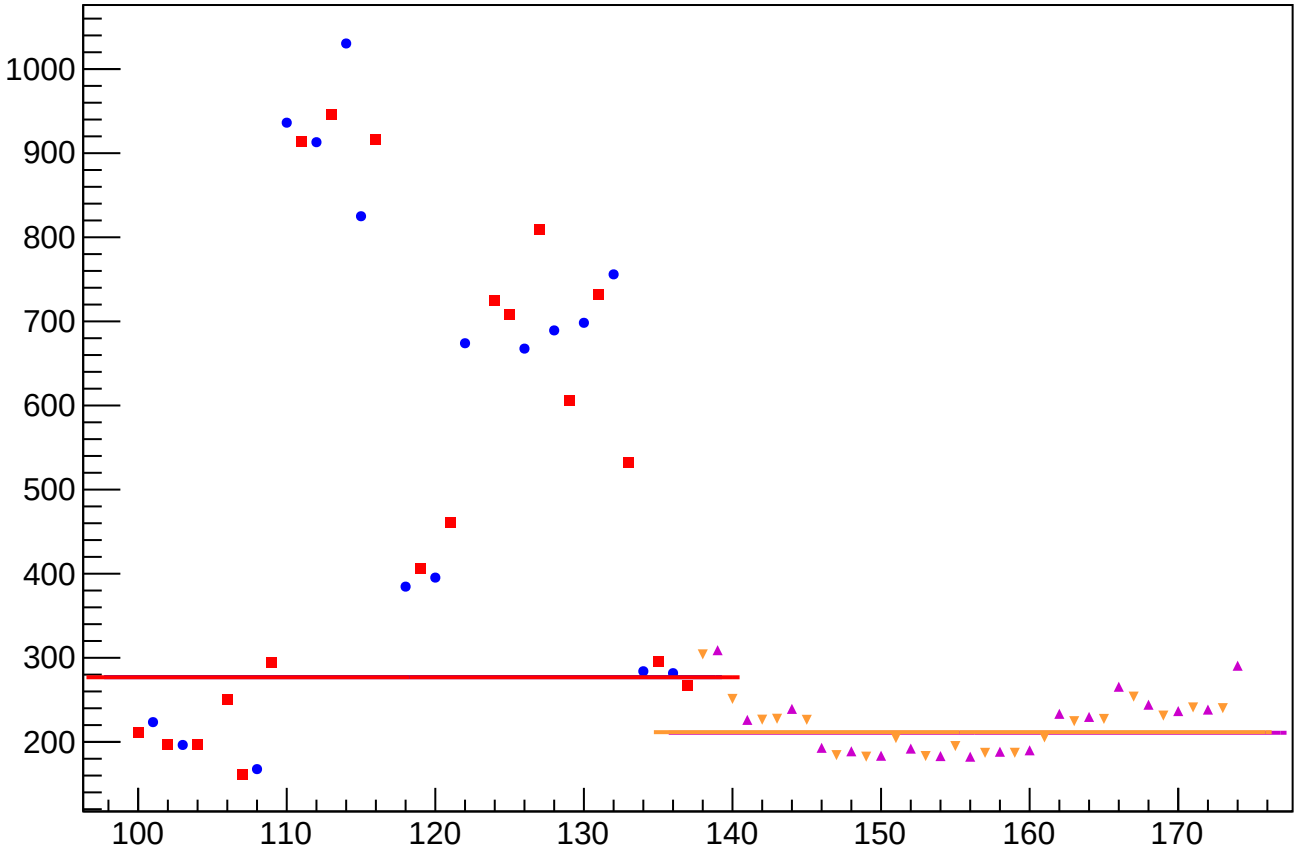
Left In: 0.049+/-0.055 χ^2/NDF:17.8/17

+ sign 0.170+/-0.050 χ^2/NDF: 41.2/34

All: 0.112+/-0.036 χ^2/NDF: 84.2/71

- 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: 211.585+/-0.039 χ^2/NDF:507165.1/18

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

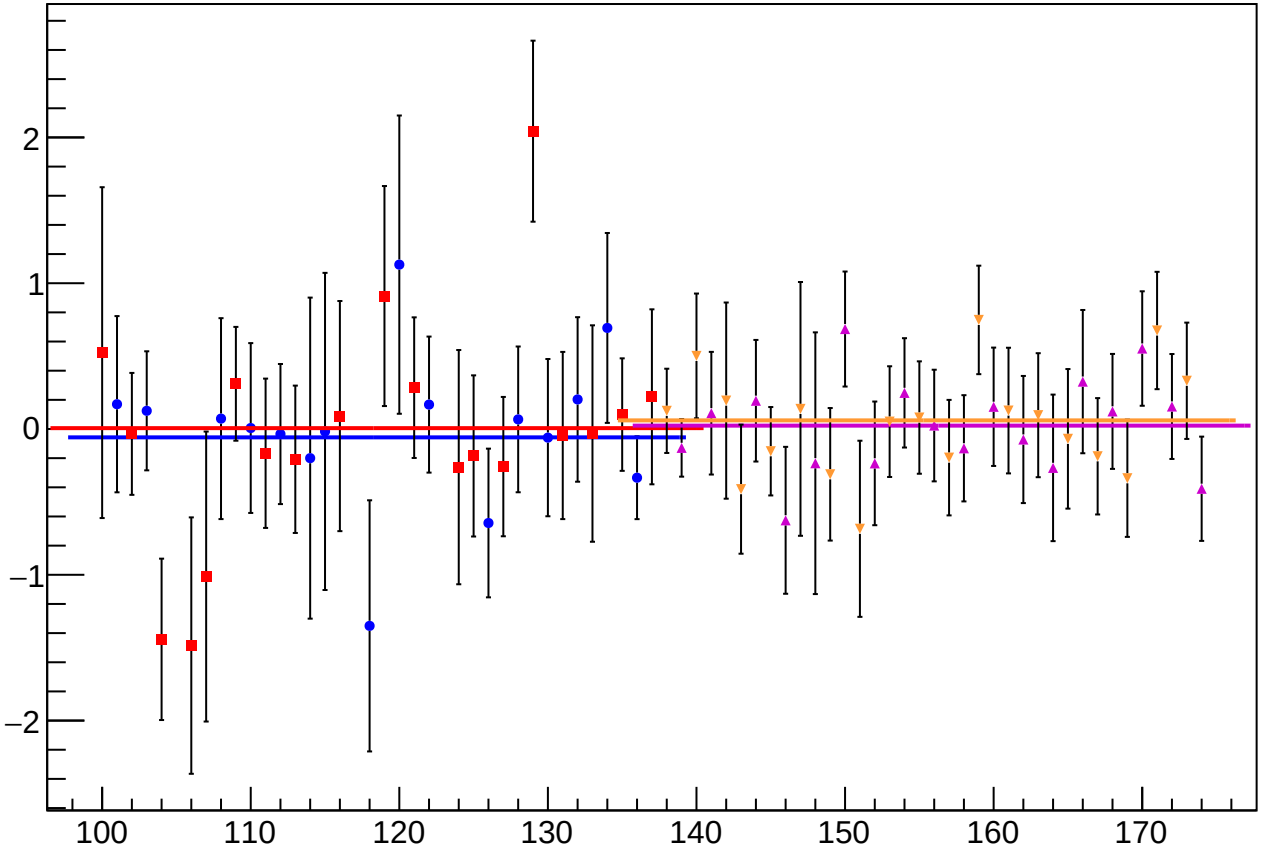
Left In: 210.869+/-0.039 χ^2/NDF:692703.2/17

\+ sign 223.096+/-0.035 χ^2/NDF: 4451163.0/34

All: 222.822+/-0.025 χ^2/NDF: 9216035.8/71

\- 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: 0.059+/-0.095 χ^2/NDF:13.1/18

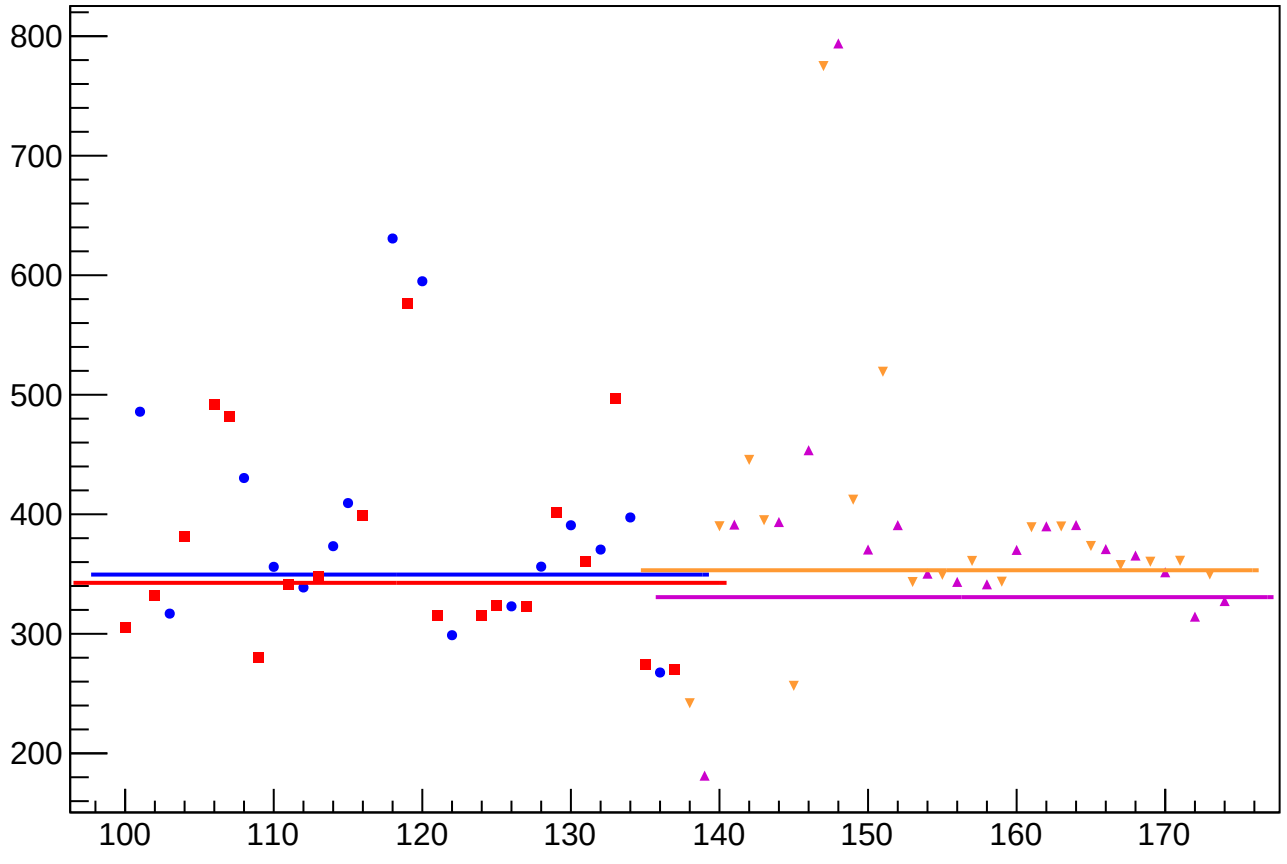
Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: 0.023+/-0.090 χ^2/NDF:10.6/17

+ sign 0.020+/-0.077 χ^2/NDF: 21.7/34

All: 0.019+/-0.053 χ^2/NDF: 57.5/71

- sign 0.018+/-0.074 χ^2/NDF: 35.8/36



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 353.171+/-0.067 χ^2/NDF:1262691.9/18

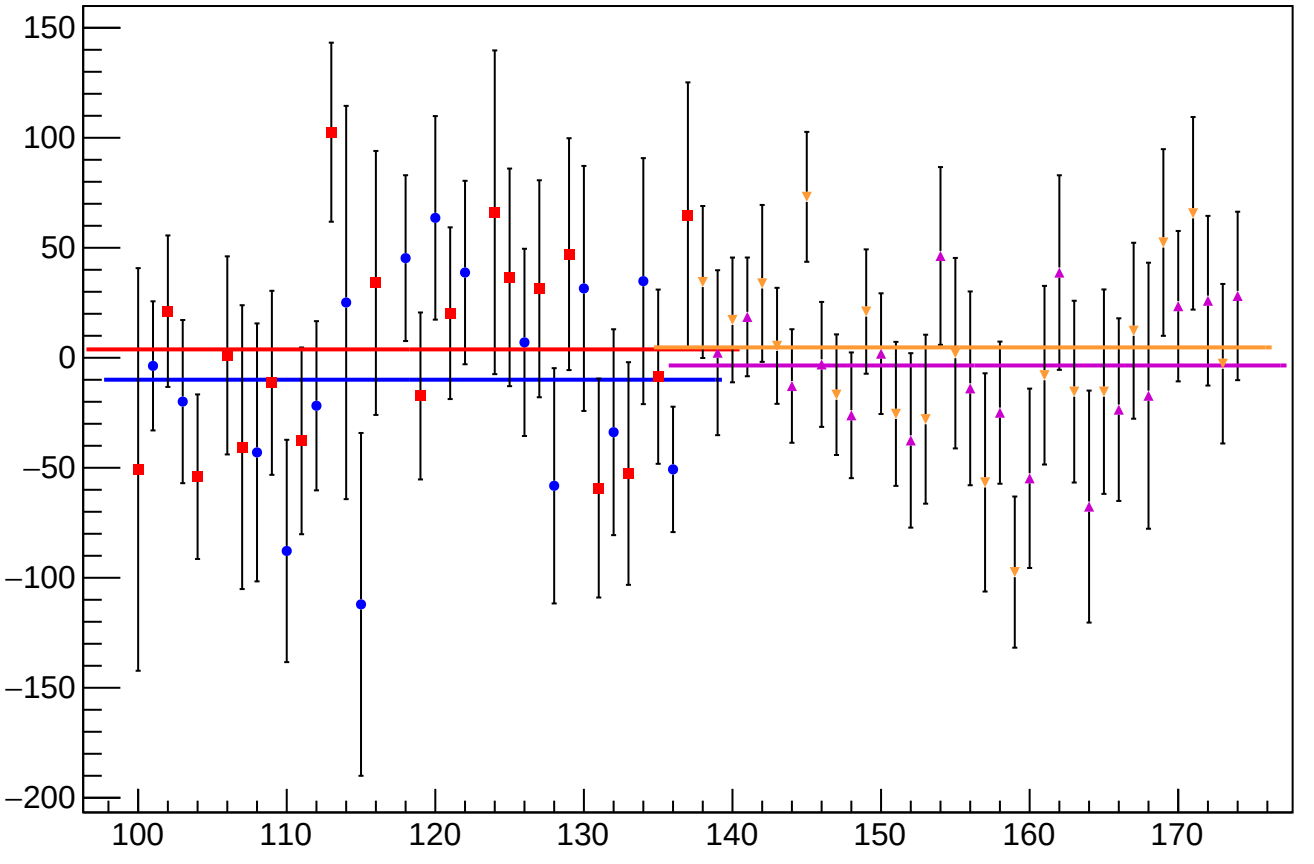
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 330.684+/-0.064 χ^2/NDF:2075686.2/17

+ sign 351.970+/-0.055 χ^2/NDF: 1962967.7/34

All: 342.892+/-0.038 χ^2/NDF: 4678909.0/71

- 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: 4.723+/-8.018 χ^2/NDF:23.7/18

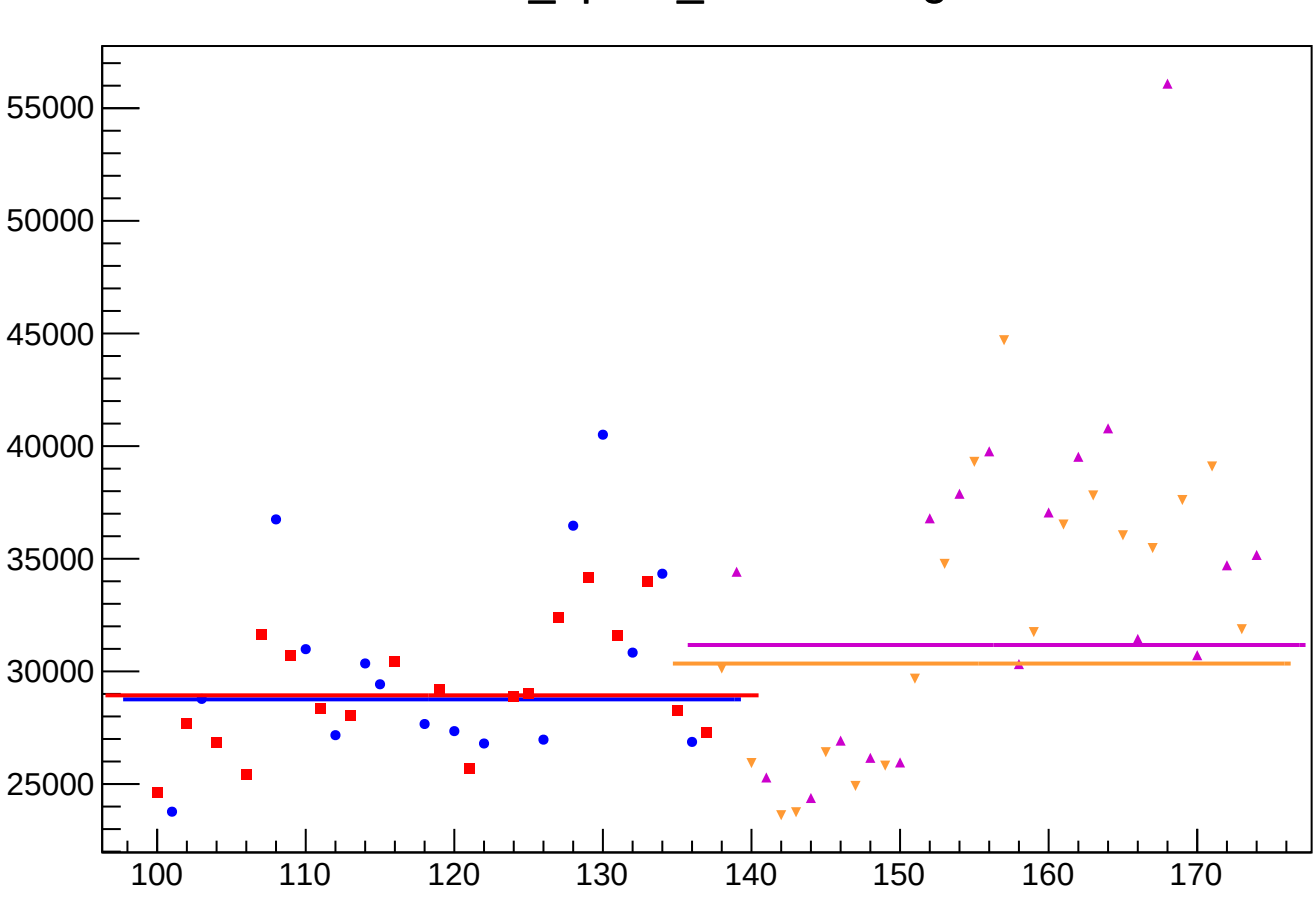
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -3.494+/-8.265 χ^2/NDF:10.4/17

+ sign -0.475+/-6.446 χ^2/NDF: 40.2/34

All: -0.607+/-4.586 χ^2/NDF: 68.1/71

- 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: 30347.896+/-5.670 χ^2/NDF:1010779.3/18

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

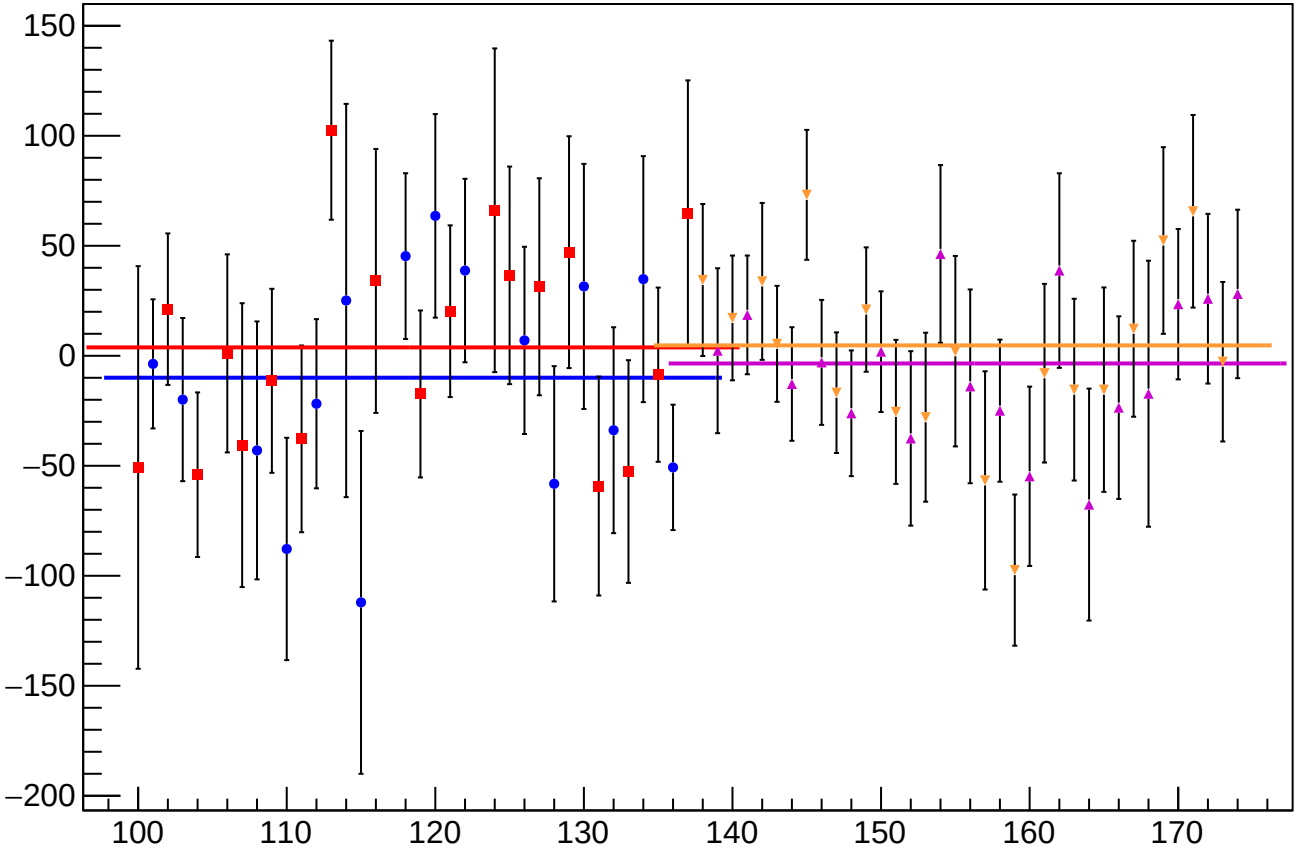
Left In: 31172.088+/-5.844 χ^2/NDF:1158164.5/17

+ sign 29785.751+/-4.558 χ^2/NDF: 1316201.5/34

All: 30054.895+/-3.243 χ^2/NDF: 2642728.4/7

- sign 30330.816+/-4.615 χ^2/NDF: 1319465.0/36

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 4.723+/-8.018 χ^2/NDF:23.7/18

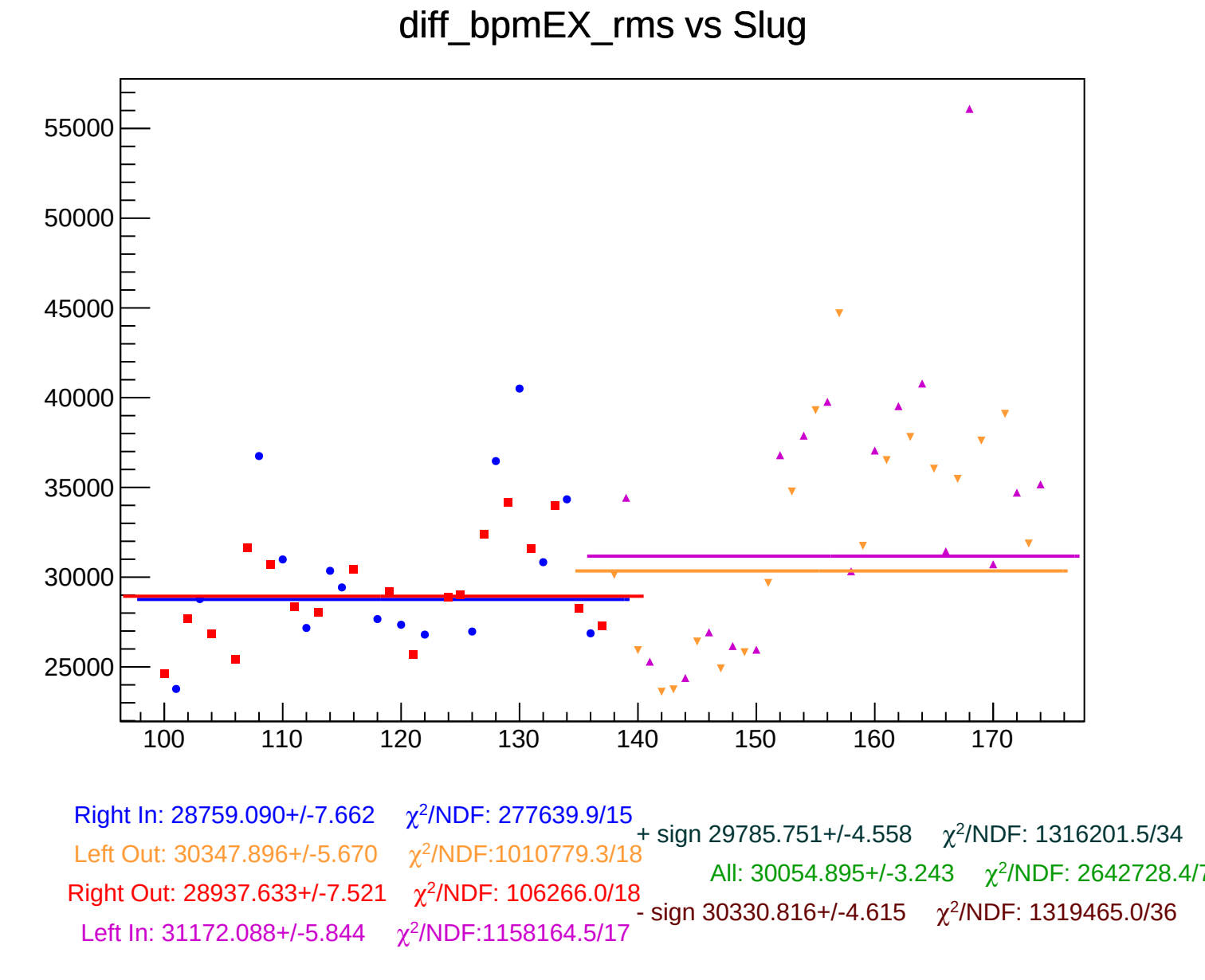
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

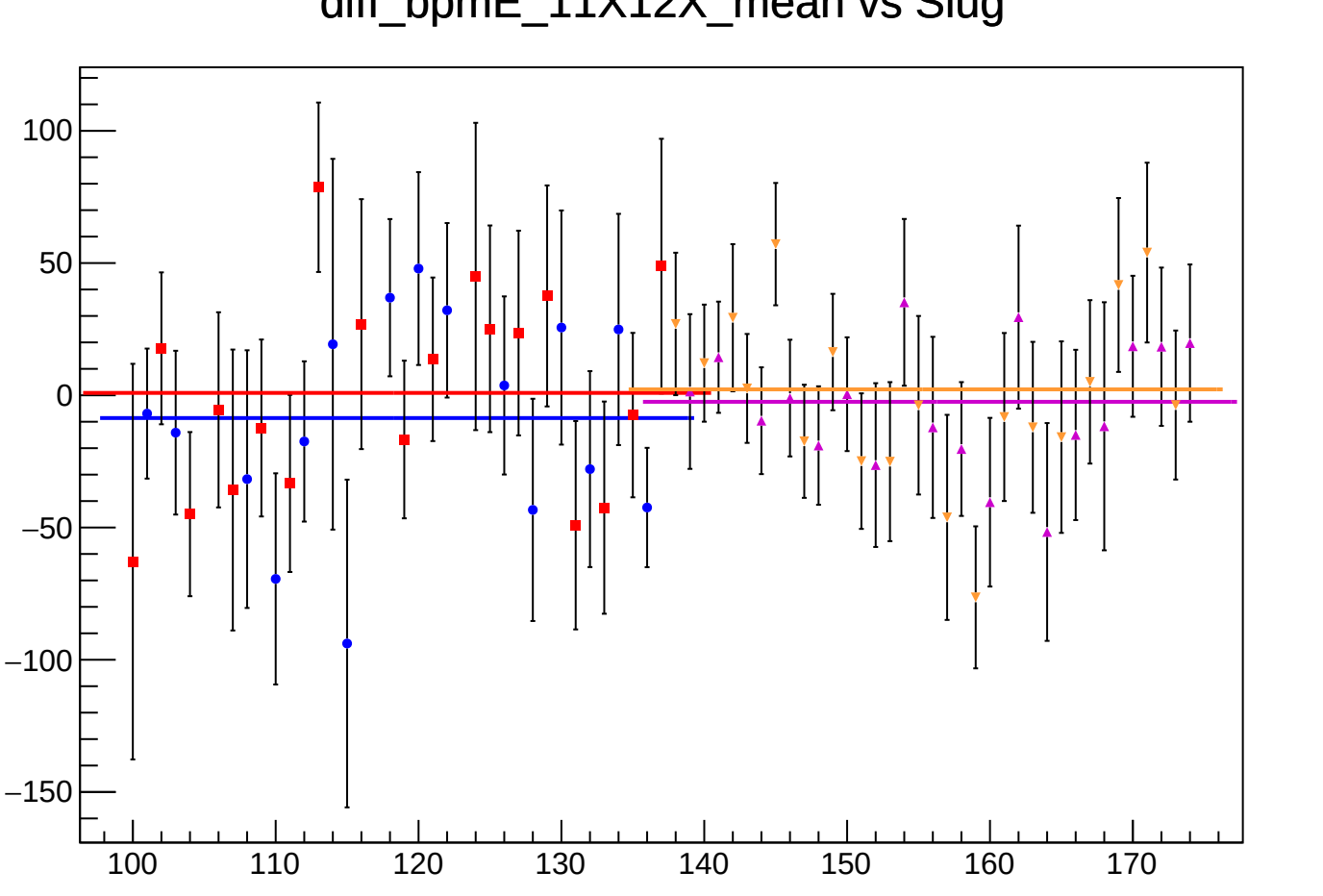
Left In: -3.494+/-8.265 χ^2/NDF:10.4/17

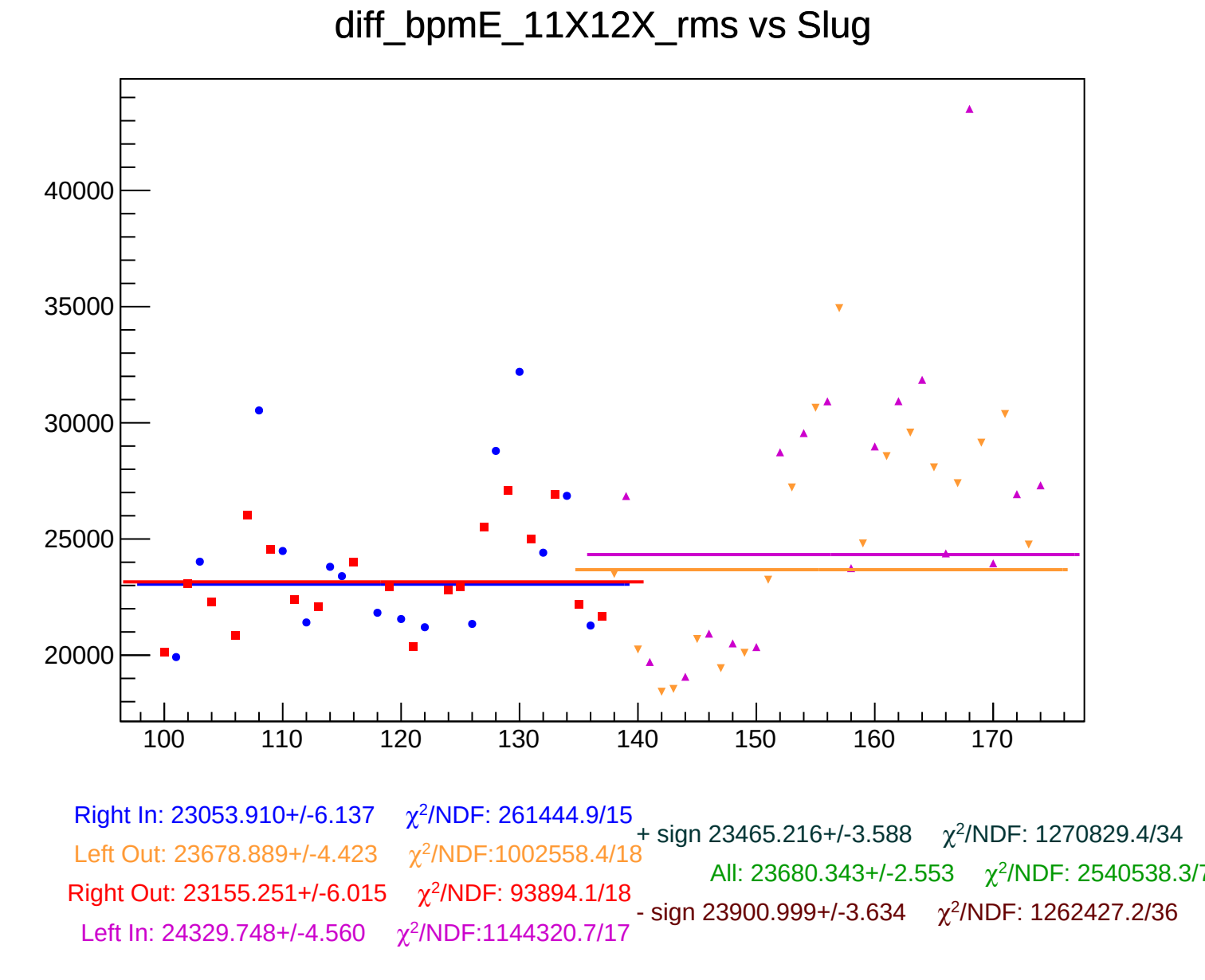
\+ sign -0.475+/-6.446 χ^2/NDF: 40.2/34

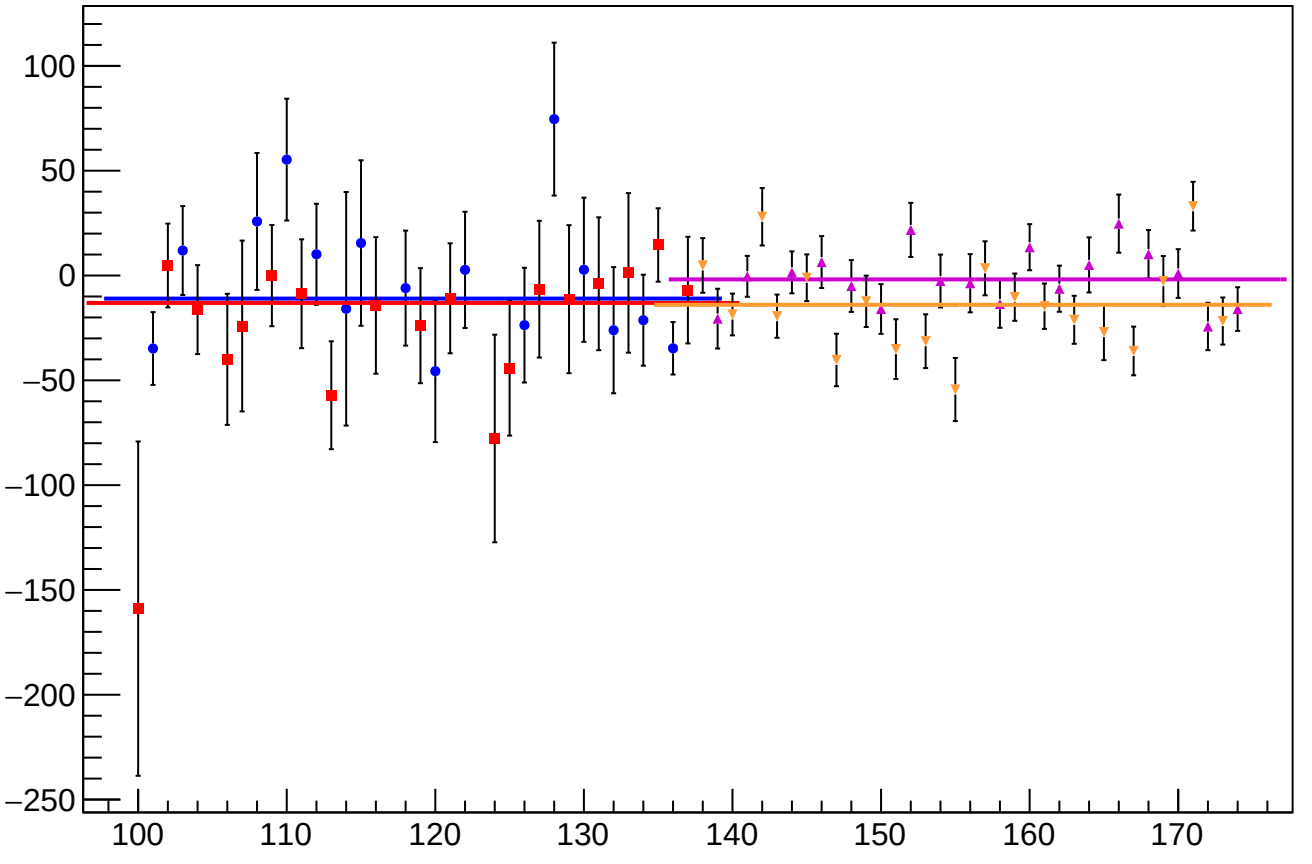
All: -0.607+/-4.586 χ^2/NDF: 68.1/71

\- 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: 30347.896+/-5.670 χ²/NDF:1010779.3/18
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31172.088+/-5.844 χ²/NDF:1158164.5/17
+ sign 29785.751+/-4.558 χ²/NDF: 1316201.5/34
All: 30054.895+/-3.243 χ²/NDF: 2642728.4/7
- sign 30330.816+/-4.615 χ²/NDF: 1319465.0/36


diff_bpmE_11X12X_mean vs Slug
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
Right In: -8.599+/-8.678 χ²/NDF: 15.5/15
Left Out: 2.233+/-6.255 χ²/NDF:25.4/18
Right Out: 0.904+/-8.506 χ²/NDF: 17.6/18
Left In: -2.465+/-6.449 χ²/NDF:9.5/17
+ sign -1.470+/-5.074 χ²/NDF: 41.9/34
All: -1.354+/-3.611 χ²/NDF: 69.1/71
- sign -1.235+/-5.139 χ²/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: 23678.889+/-4.423 χ²/NDF:1002558.4/18
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 24329.748+/-4.560 χ²/NDF:1144320.7/17
+ sign 23465.216+/-3.588 χ²/NDF: 1270829.4/34
All: 23680.343+/-2.553 χ²/NDF: 2540538.3/7
- sign 23900.999+/-3.634 χ²/NDF: 1262427.2/36



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -13.981+/-2.746 χ^2/NDF:53.6/18

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

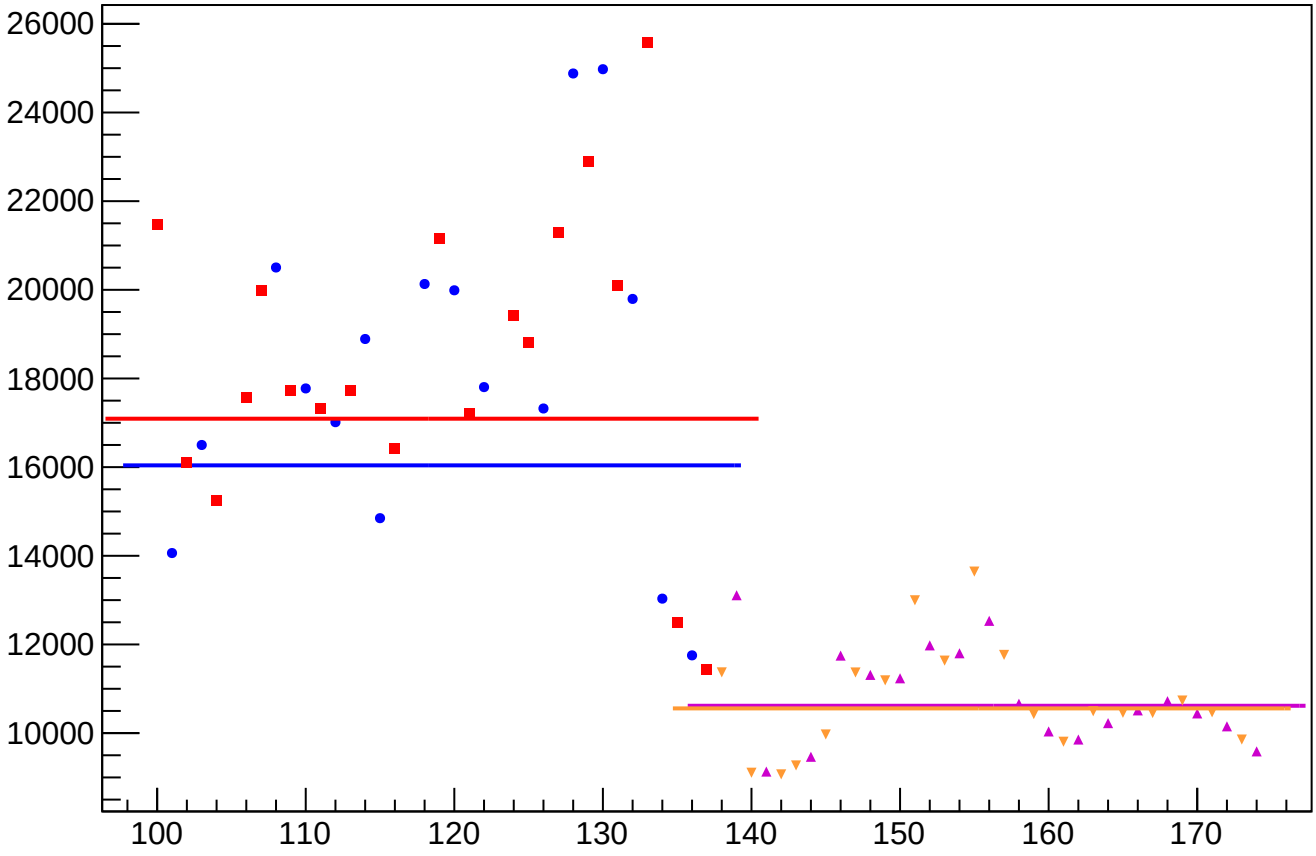
Left In: -1.848+/-2.771 χ^2/NDF:21.2/17

\+ sign -13.486+/-2.508 χ^2/NDF: 75.8/34

All: -8.623+/-1.785 χ^2/NDF: 121.1/71

\- 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: 10557.380+/-1.942 χ^2/NDF:317122.0/18

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

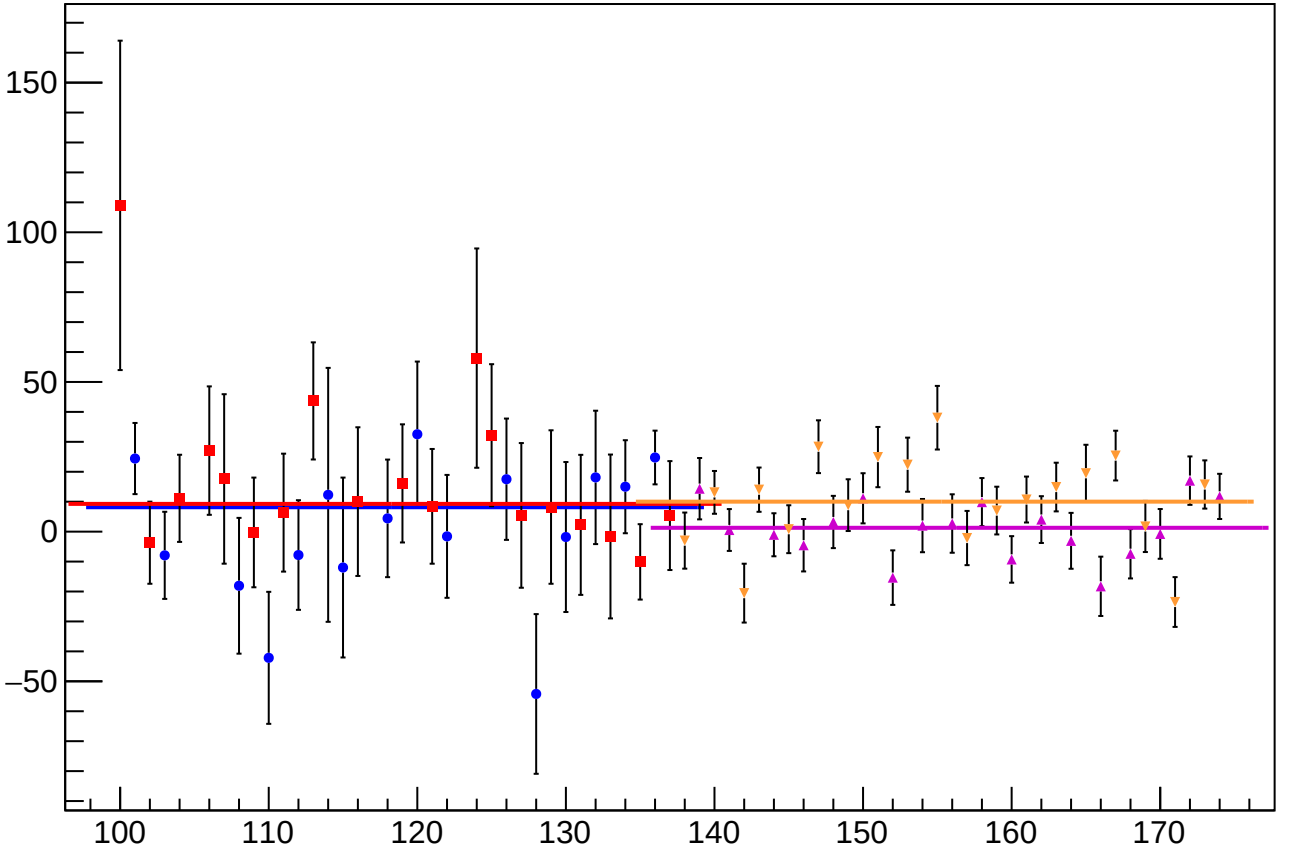
Left In: 10616.784+/-1.959 χ^2/NDF:280962.7/17

+ sign 11467.489+/-1.773 χ^2/NDF: 2363350.6/34

All: 11554.468+/-1.262 χ^2/NDF: 4917392.2/7

- 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: 10.019+/-1.955 χ^2/NDF:53.2/18

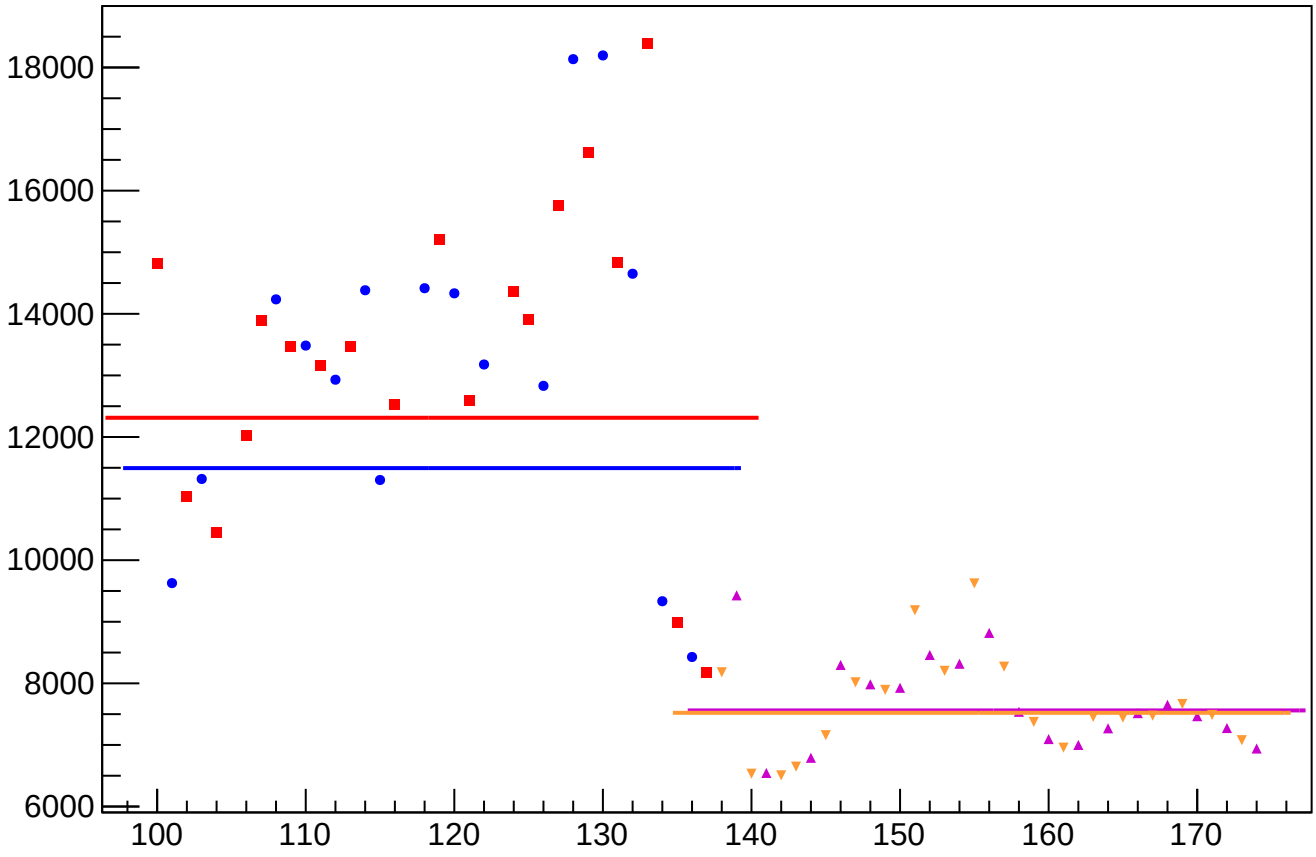
Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: 1.281+/-1.972 χ^2/NDF:21.1/17

+ sign 9.714+/-1.788 χ^2/NDF: 75.1/34

All: 6.166+/-1.273 χ^2/NDF: 120.6/71

- sign 2.519+/-1.813 χ^2/NDF: 37.5/36



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7521.593+/-1.383 χ^2/NDF:288084.8/18

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

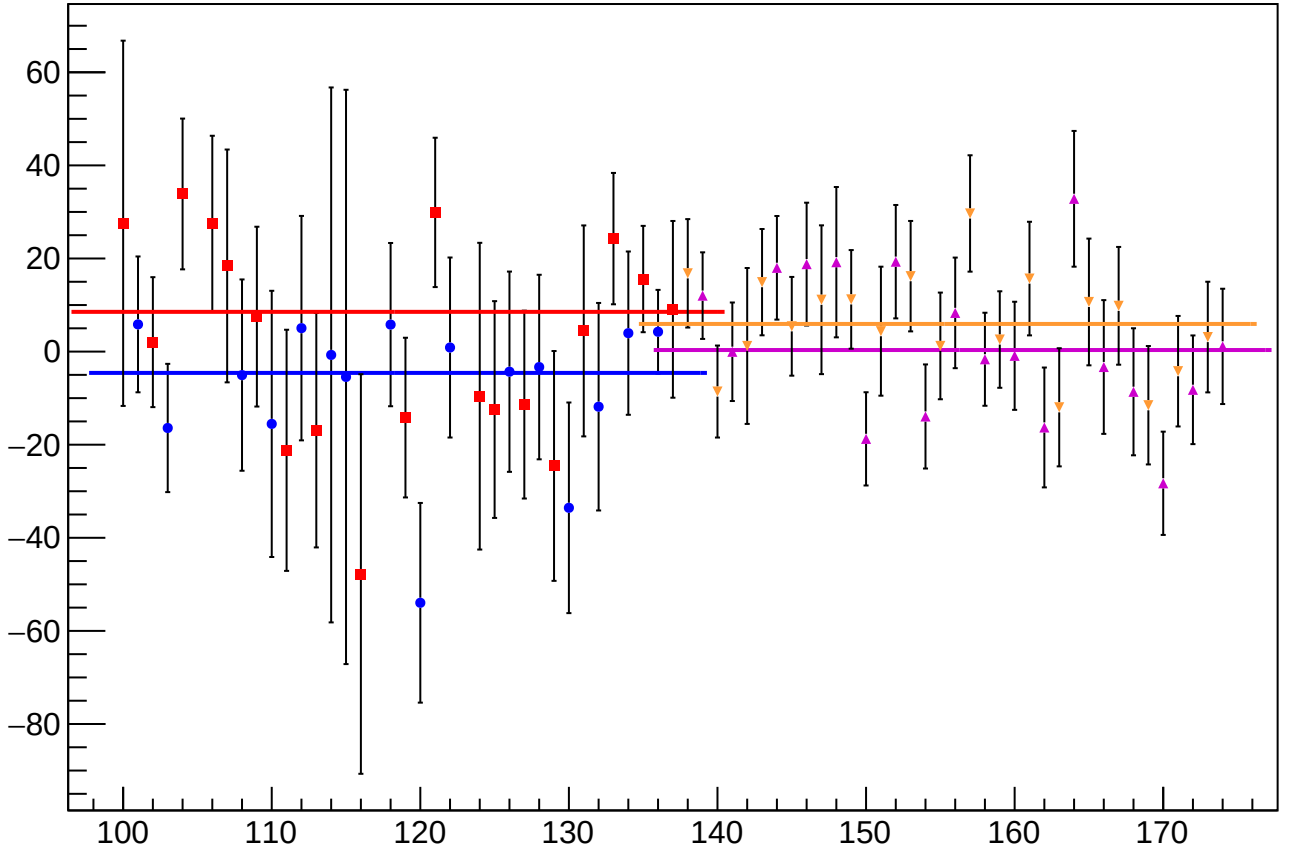
Left In: 7560.409+/-1.395 χ^2/NDF:257409.8/17

+ sign 8171.200+/-1.265 χ^2/NDF: 2428343.3/34

All: 8232.944+/-0.900 χ^2/NDF: 5087620.7/71

- 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: 5.940+/-2.761 χ^2/NDF:14.2/18

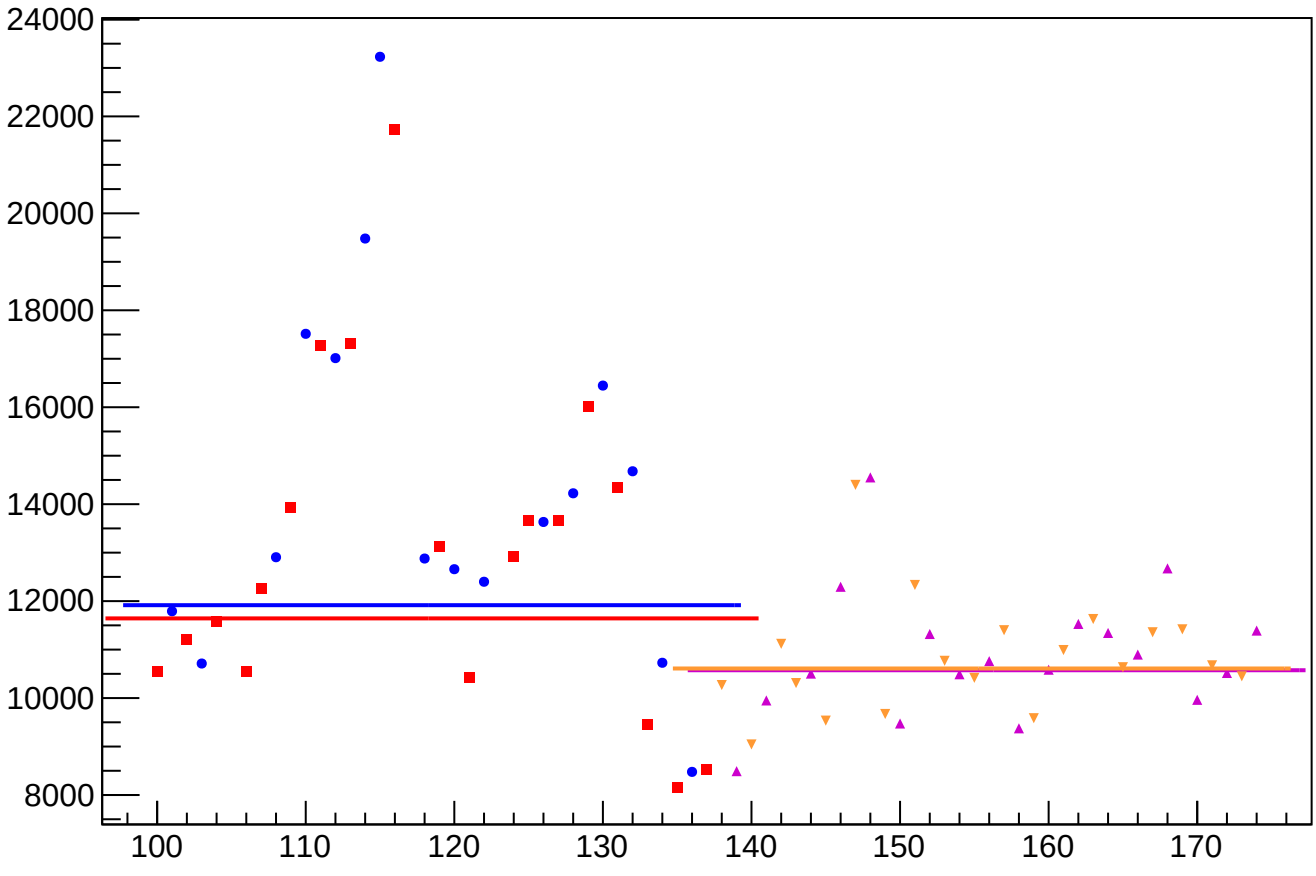
Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: 0.337+/-2.770 χ^2/NDF:29.9/17

+ sign 3.112+/-2.361 χ^2/NDF: 28.4/34

All: 2.890+/-1.663 χ^2/NDF: 78.0/71

- sign 2.671+/-2.343 χ^2/NDF: 49.6/36



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10610.266+/-1.953 χ^2/NDF:293664.9/18

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

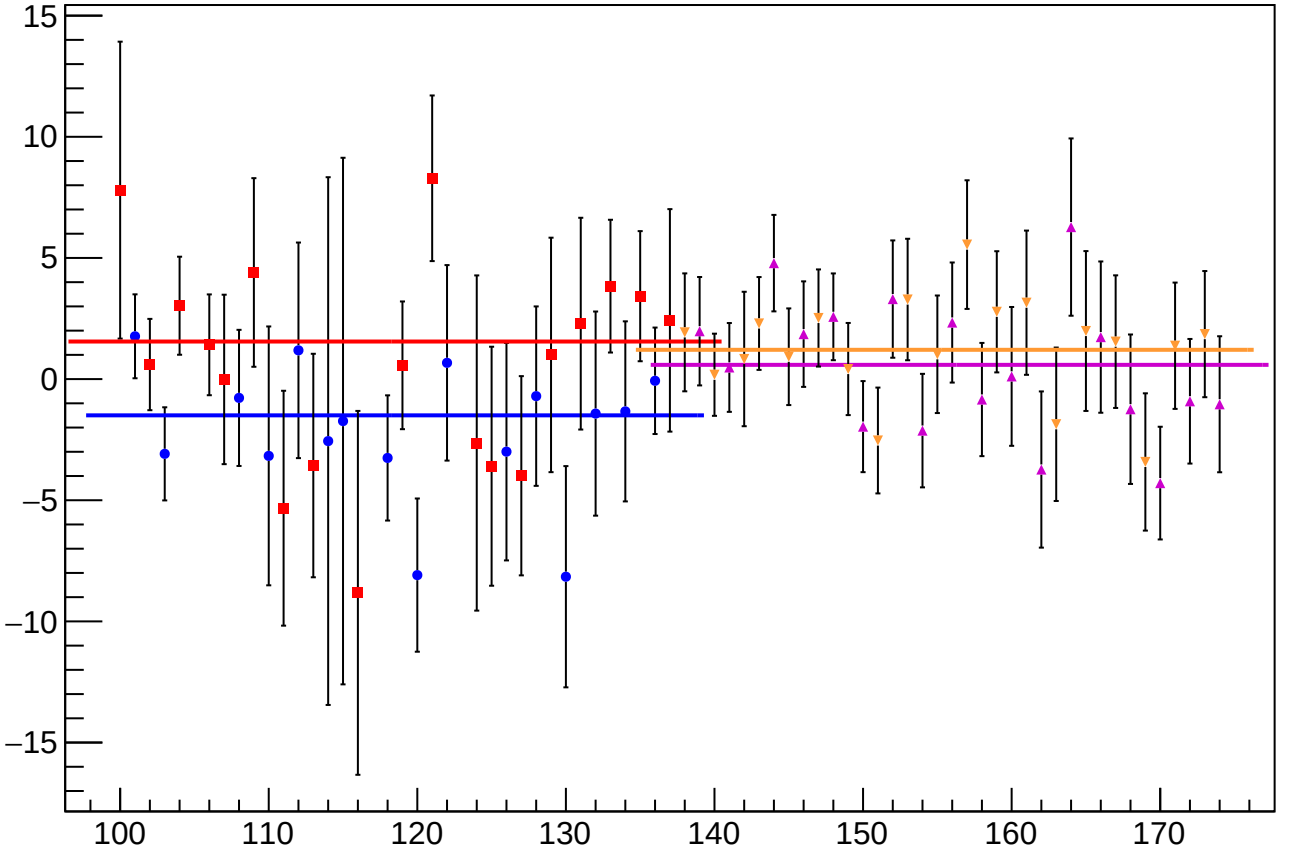
Left In: 10574.233+/-1.959 χ^2/NDF:403462.7/17

+ sign 10961.399+/-1.670 χ^2/NDF: 1163719.1/34

All: 10919.663+/-1.176 χ^2/NDF: 2443597.3/7

- 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: 1.209+/-0.543 χ^2/NDF:12.3/18

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

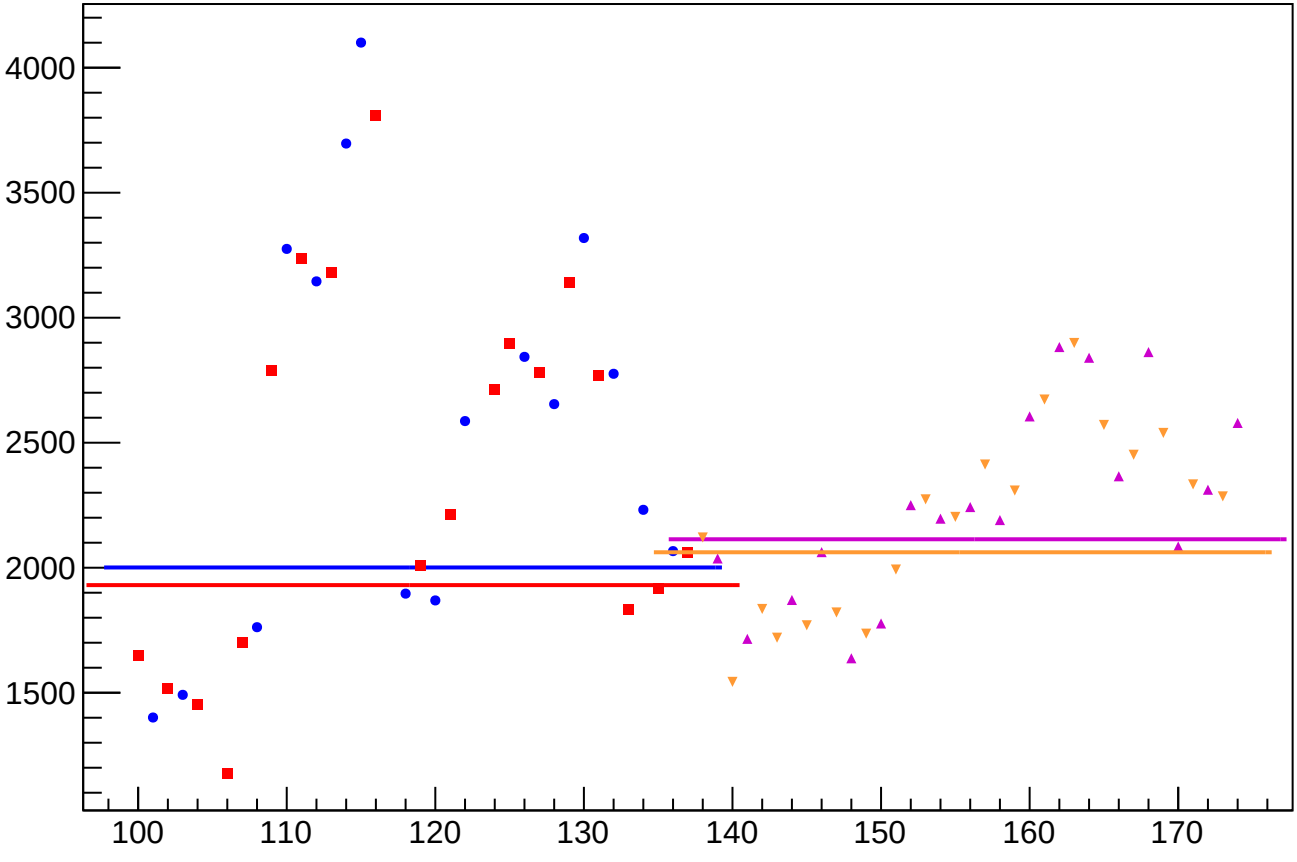
Left In: 0.588+/-0.557 χ^2/NDF:21.5/17

+ sign 0.323+/-0.445 χ^2/NDF: 33.0/34

All: 0.628+/-0.315 χ^2/NDF: 72.8/71

- sign 0.934+/-0.446 χ^2/NDF: 38.9/36

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2061.809+/-0.384 χ^2/NDF:878660.8/18

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

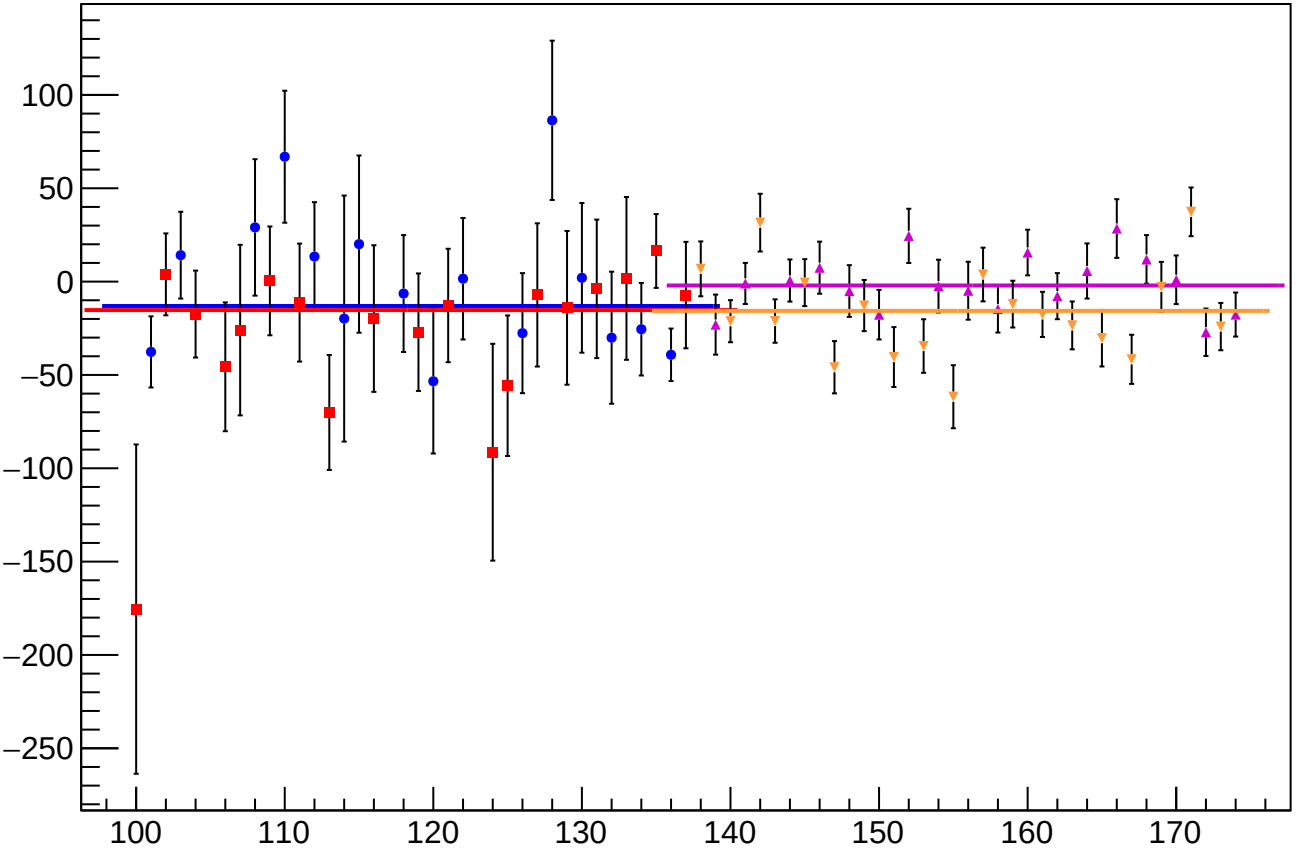
Left In: 2113.800+/-0.394 χ^2/NDF:799107.1/17

+ sign 2041.908+/-0.315 χ^2/NDF: 2076659.2/34

All: 2044.914+/-0.223 χ^2/NDF: 4357238.9/71

- 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: -15.679+/-3.086 χ^2/NDF:54.9/18

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

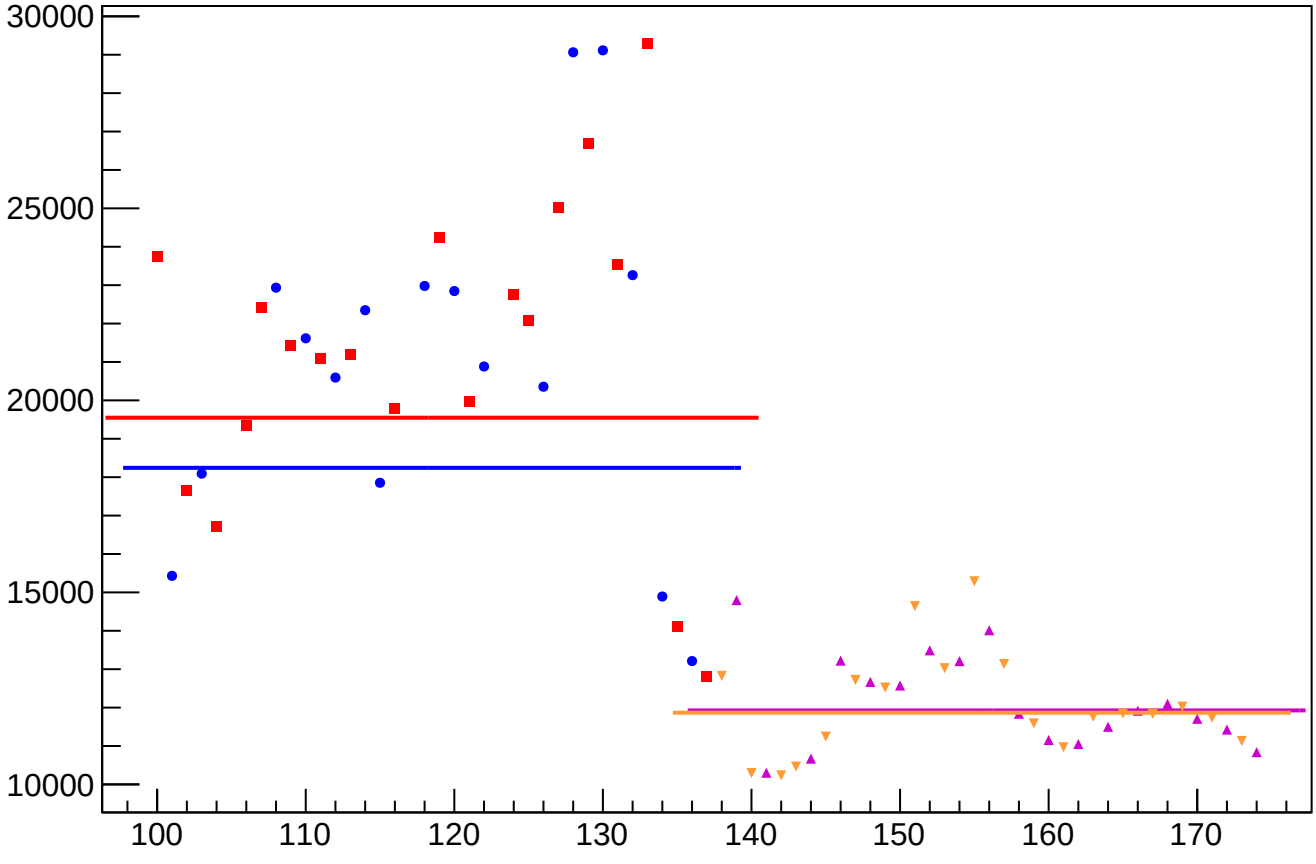
Left In: -2.076+/-3.112 χ^2/NDF:21.2/17

+ sign -15.256+/-2.825 χ^2/NDF: 76.8/34

All: -9.751+/-2.011 χ^2/NDF: 122.8/71

- 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: 11866.969+/-2.182 χ^2/NDF:305675.2/18

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

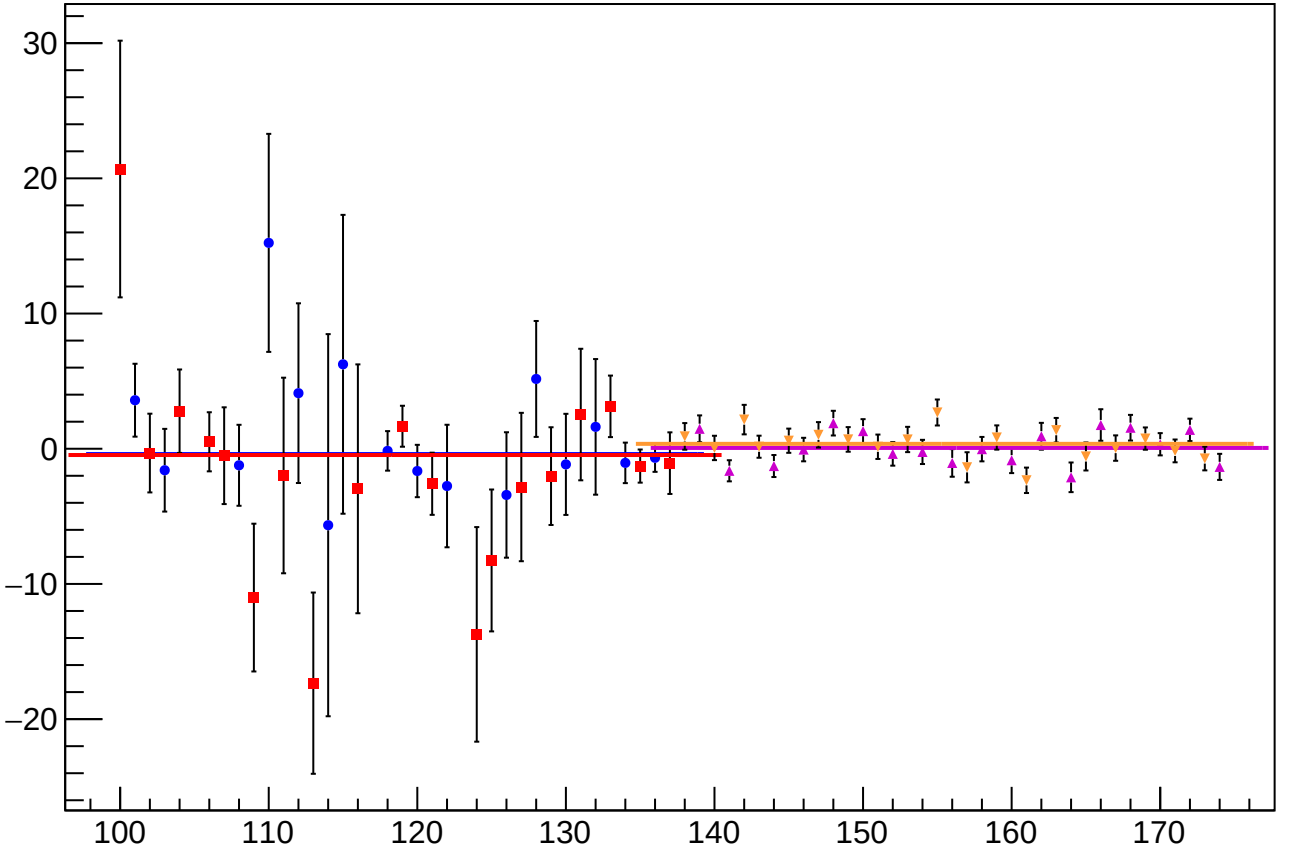
Left In: 11926.929+/-2.201 χ^2/NDF:276265.4/17

+ sign 12897.997+/-1.998 χ^2/NDF: 2506255.9/34

All: 12994.493+/-1.422 χ^2/NDF: 5244864.1/7

- sign 13093.663+/-2.025 χ^2/NDF: 2733877.9/36

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.362+/-0.212 χ^2/NDF:25.1/18

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

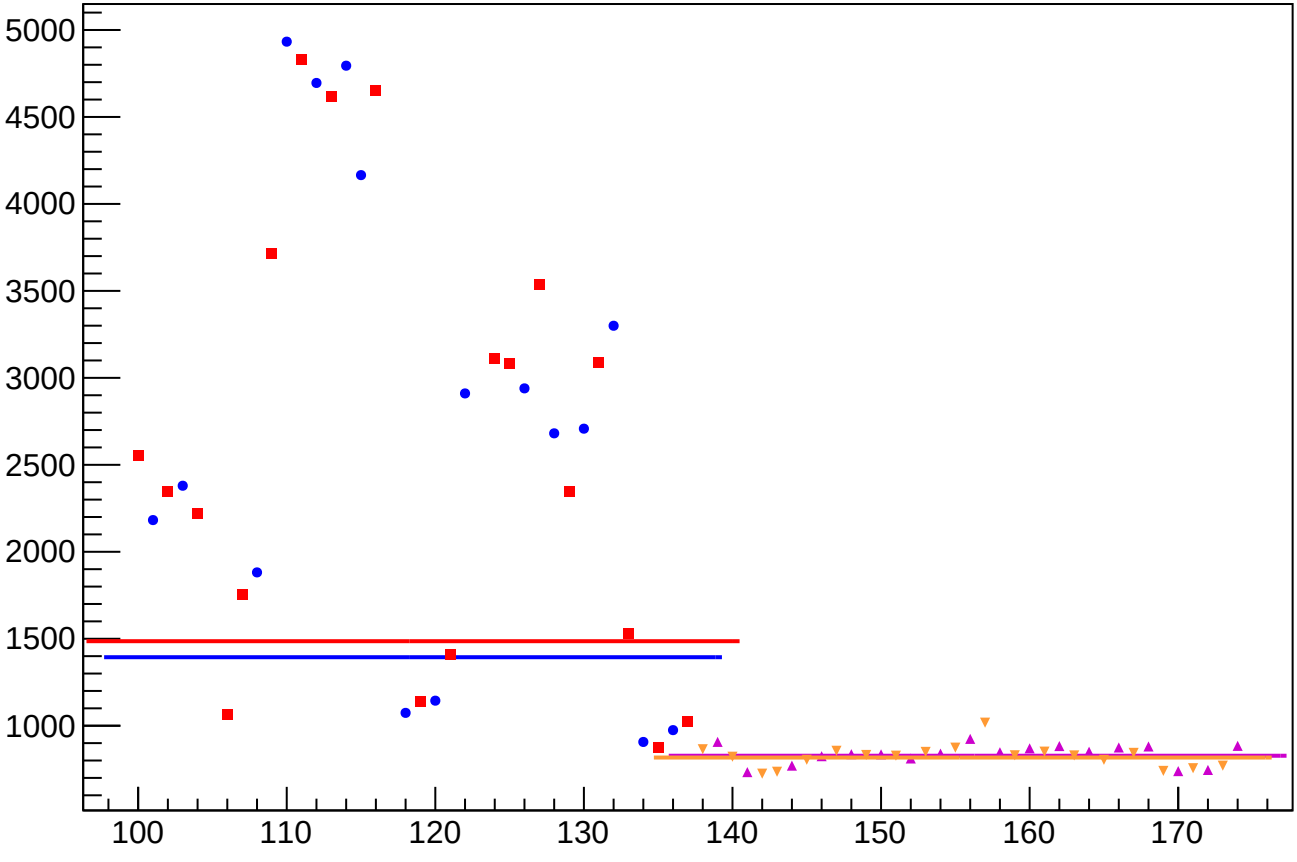
Left In: 0.060+/-0.216 χ^2/NDF:32.0/17

+ sign 0.278+/-0.200 χ^2/NDF: 36.9/34

All: 0.145+/-0.143 χ^2/NDF: 98.6/71

- 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: 817.093+/-0.150 χ^2/NDF:156838.5/18

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

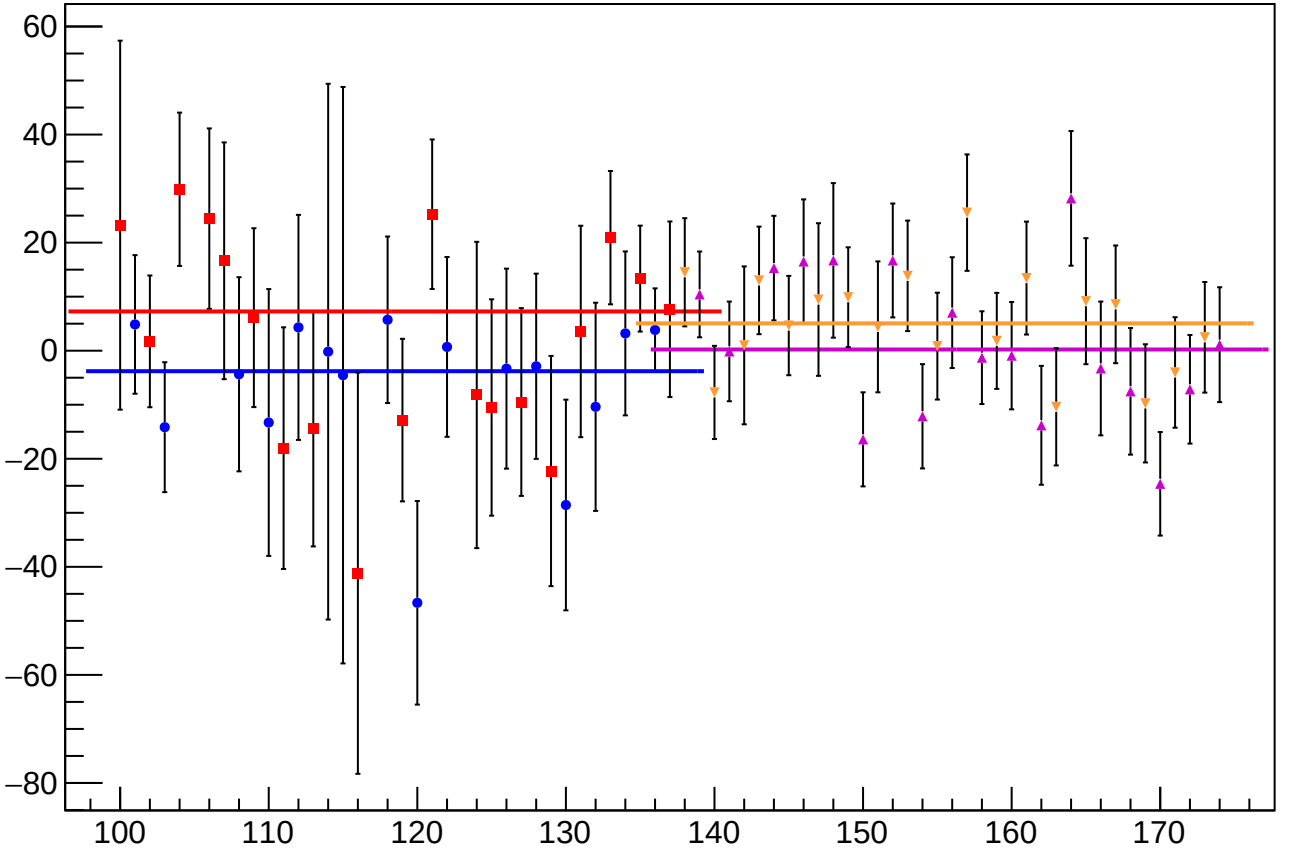
Left In: 827.476+/-0.152 χ^2/NDF:142547.3/17

+ sign 881.009+/-0.141 χ^2/NDF: 5180740.9/34

All: 888.208+/-0.101 χ^2/NDF: 10662103.3/71

- 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: 5.058+/-2.387 χ^2/NDF:14.4/18

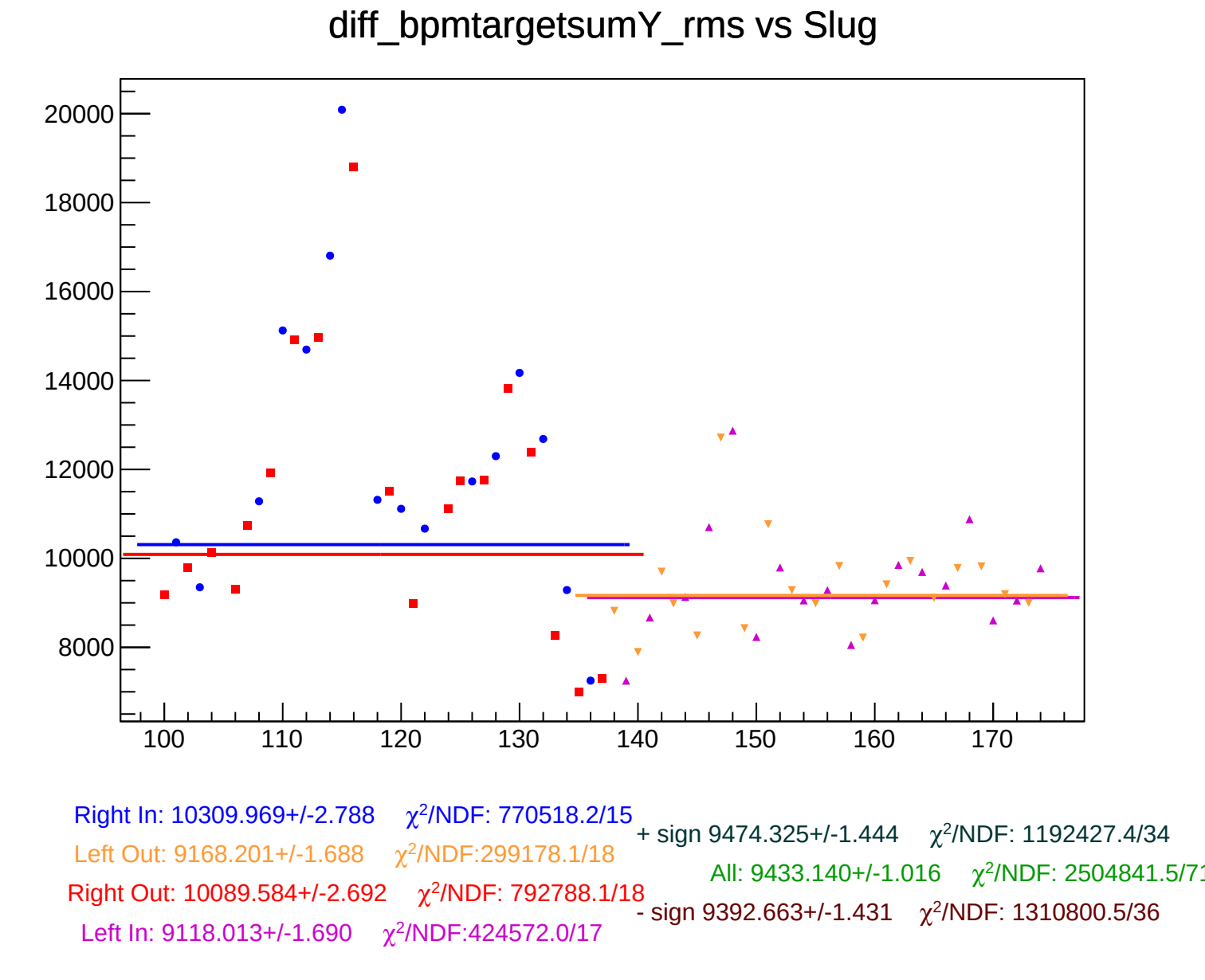
Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: 0.224+/-2.390 χ^2/NDF:30.1/17

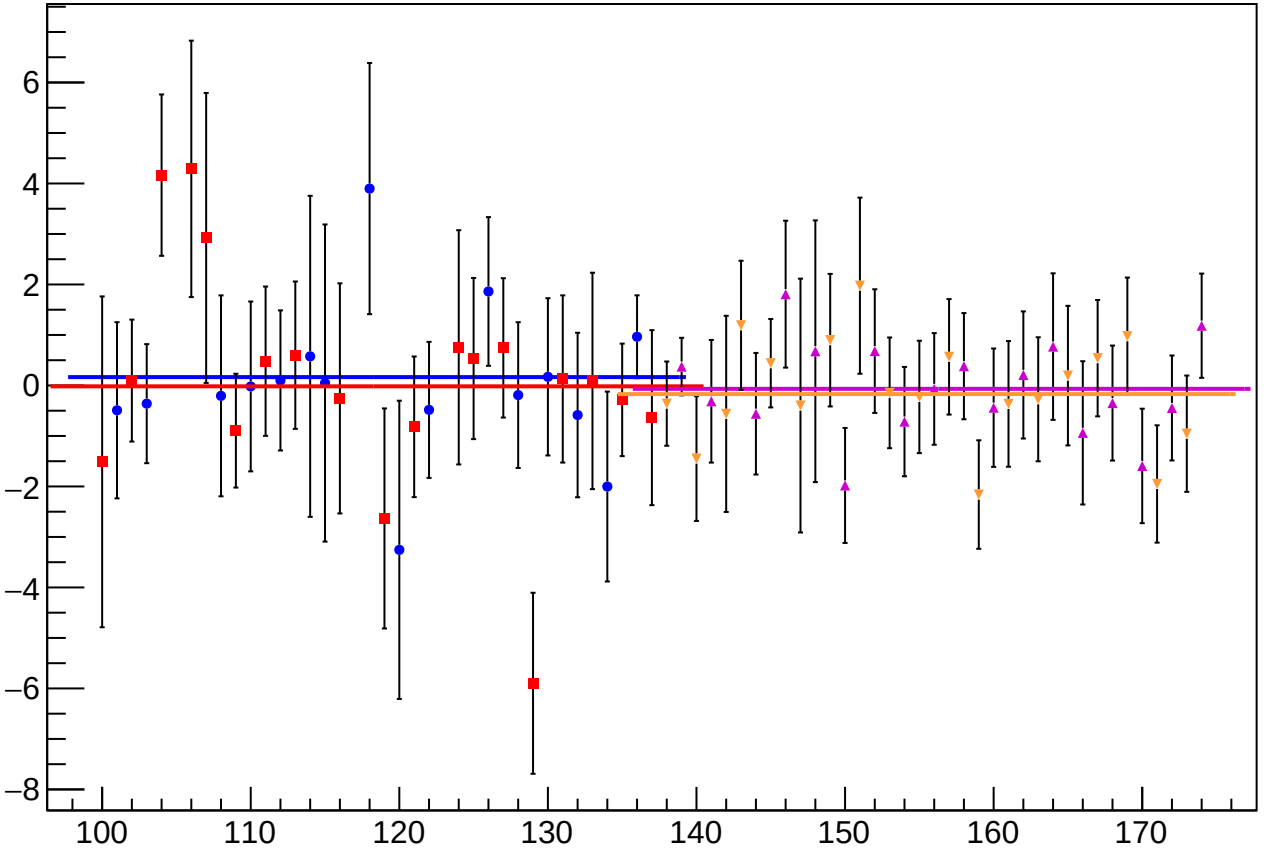
+ sign 2.685+/-2.042 χ^2/NDF: 28.2/34

All: 2.447+/-1.437 χ^2/NDF: 78.0/71

- 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: 9168.201+/-1.688 χ²/NDF:299178.1/18
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 9118.013+/-1.690 χ²/NDF:424572.0/17
+ sign 9474.325+/-1.444 χ²/NDF: 1192427.4/34
All: 9433.140+/-1.016 χ²/NDF: 2504841.5/71
- 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: -0.171+/-0.273 χ^2/NDF:13.1/18

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

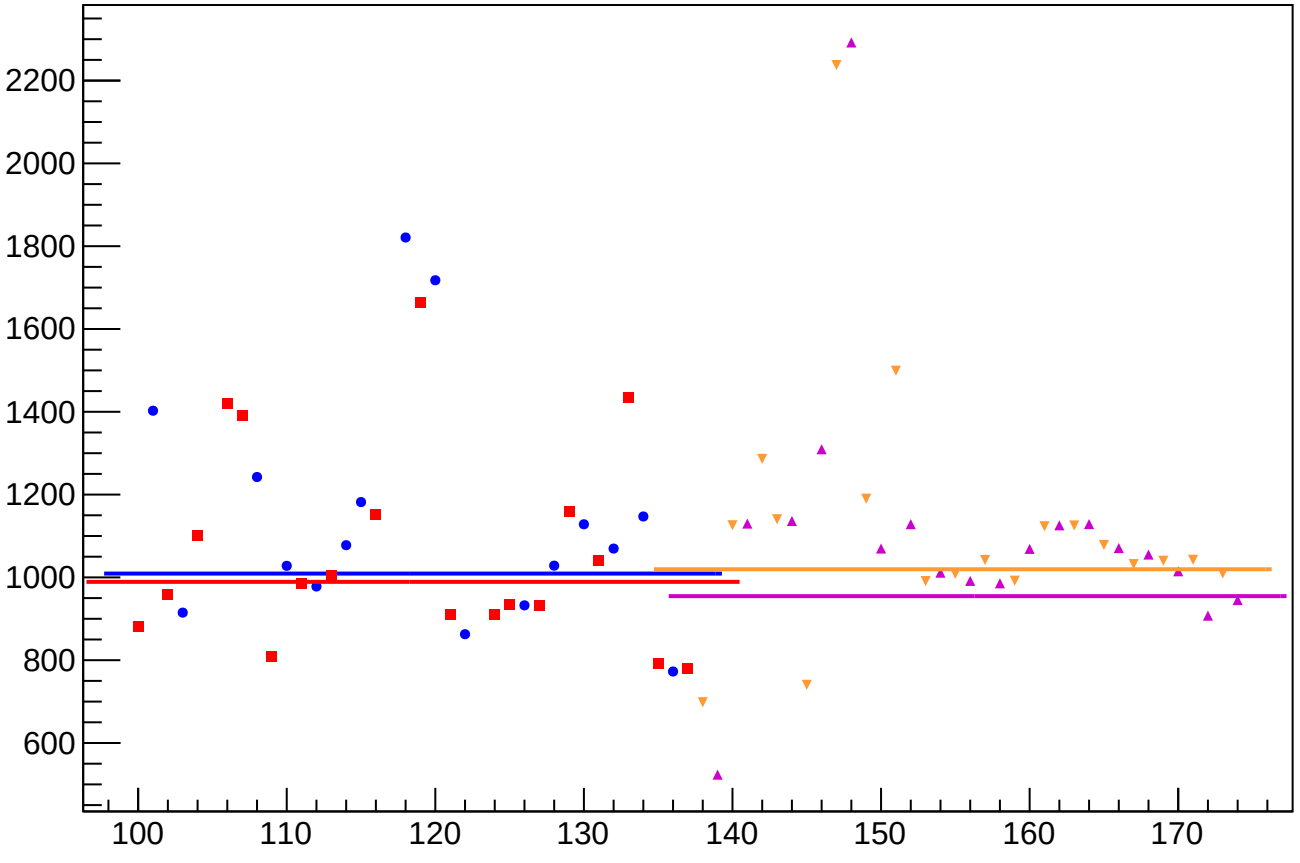
Left In: -0.067+/-0.260 χ^2/NDF:10.6/17

+ sign -0.059+/-0.223 χ^2/NDF: 21.7/34

All: -0.055+/-0.154 χ^2/NDF: 57.5/71

- 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: 1019.647+/-0.193 χ^2/NDF:1262691.9/18

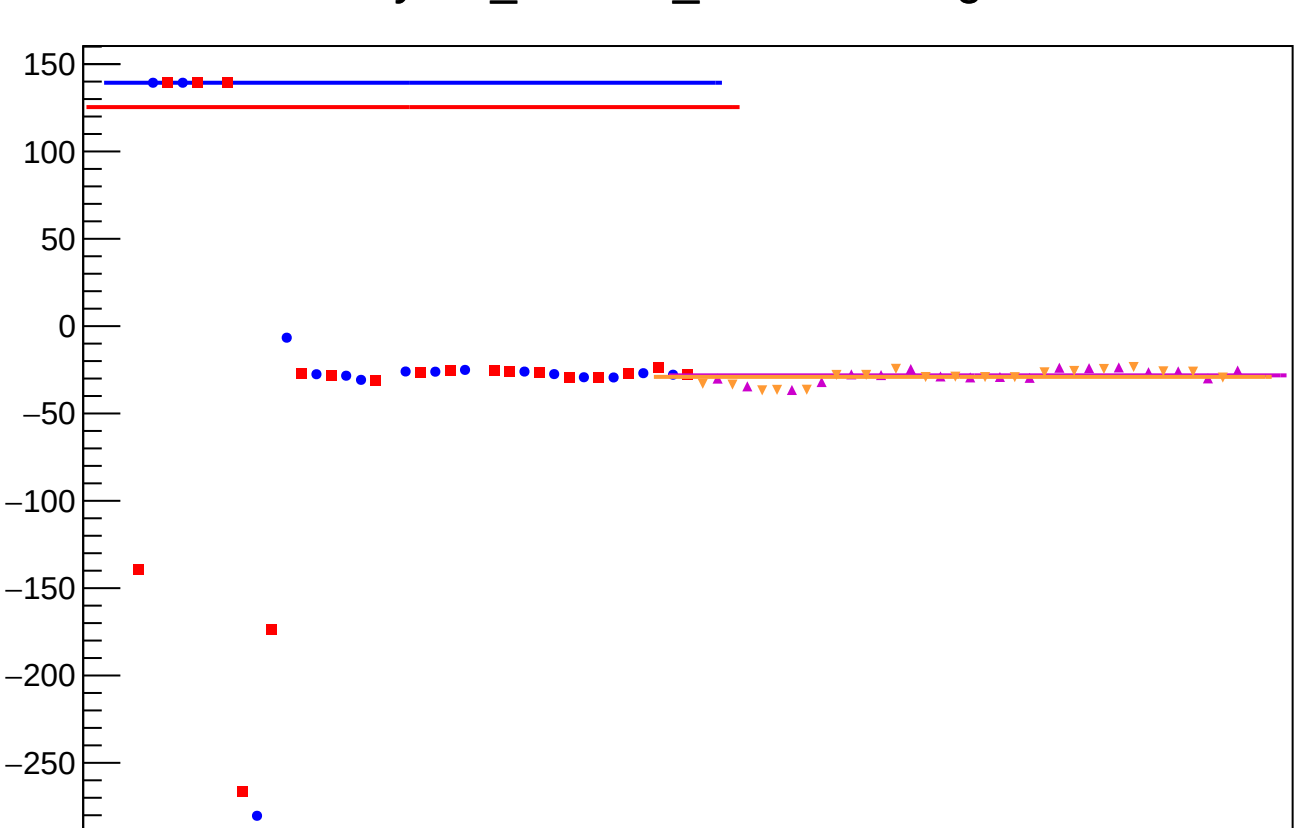
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 954.722+/-0.184 χ^2/NDF:2075686.2/17

+ sign 1016.178+/-0.158 χ^2/NDF: 1962967.7/34

All: 989.970+/-0.109 χ^2/NDF: 4678909.0/71

- 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: -29.043+/-0.000 χ^2/NDF:135770194.7/18

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

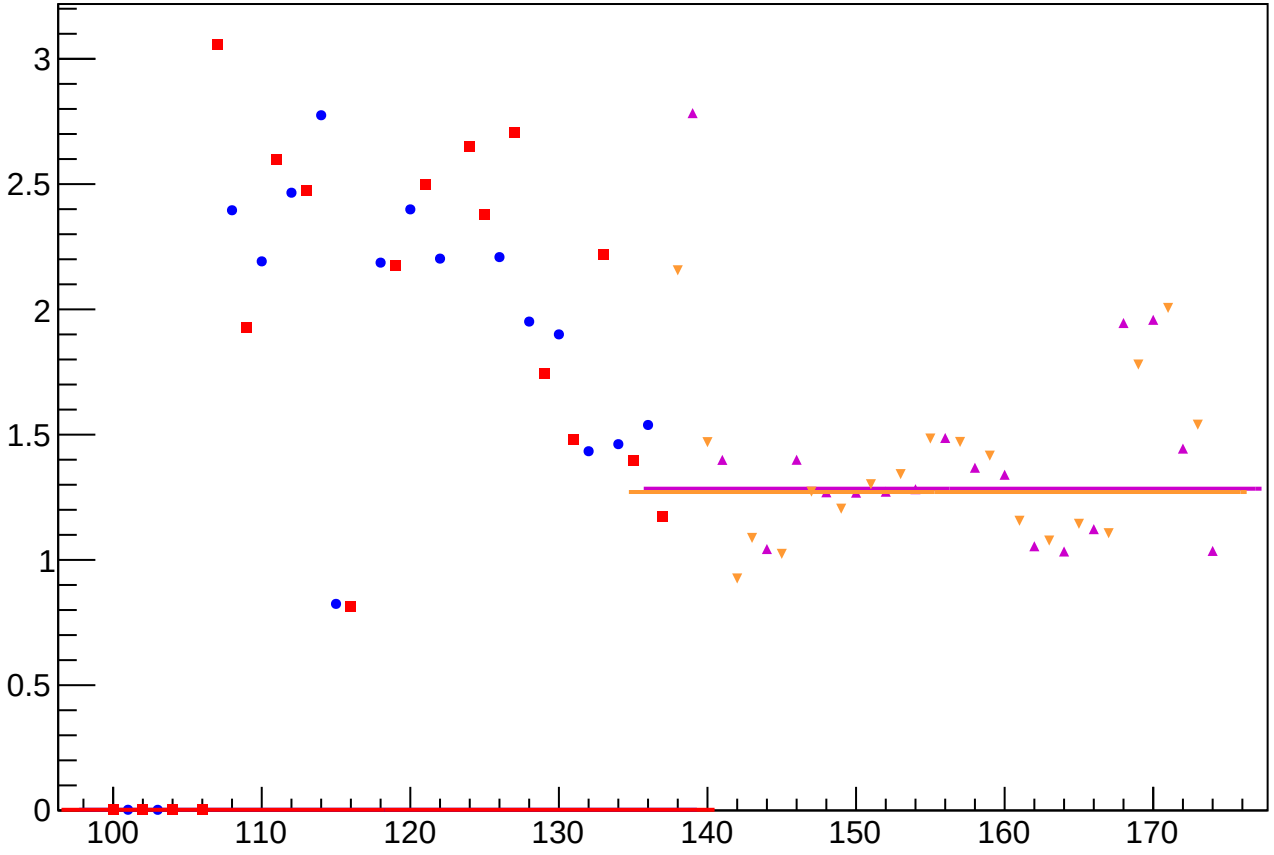
Left In: -28.178+/-0.000 χ^2/NDF:103470009.0/17

+ sign 139.330+/-0.000 χ^2/NDF: 252606390484.8/3

All: 131.812+/-0.000 χ^2/NDF: 79337263542

- 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: 1.271+/-0.000 χ^2/NDF:934646.8/18

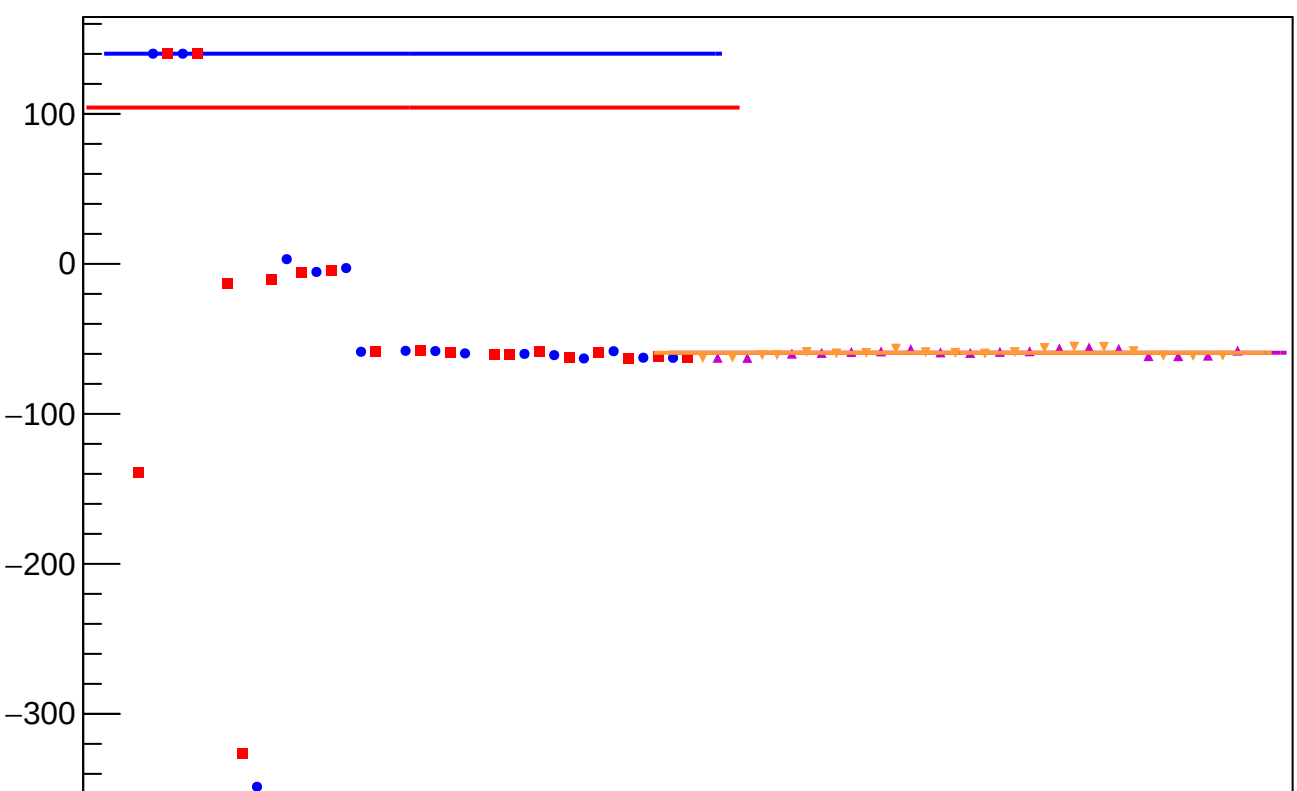
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.284+/-0.000 χ^2/NDF:1160738.6/17

+ sign 0.003+/-0.000 χ^2/NDF: 33809556.8/34

All: 0.003+/-0.000 χ^2/NDF: 67797148.9/71

- 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: -59.258+/-0.000 χ^2/NDF:148683945.1/18

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

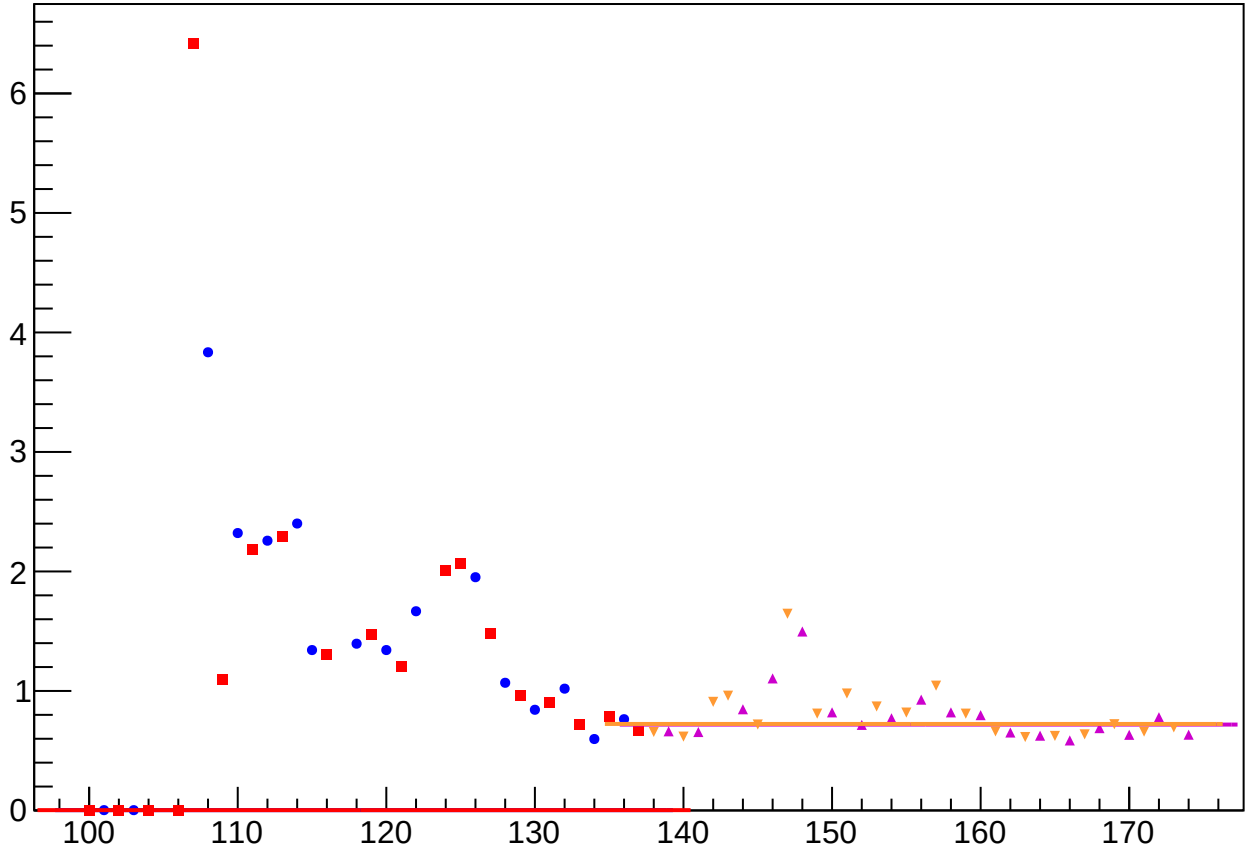
Left In: -59.228+/-0.000 χ^2/NDF:127604198.9/17

+ sign 140.118+/-0.000 χ^2/NDF: 1107983793514.4

All: 120.810+/-0.000 χ^2/NDF: 13824074670

- 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: 0.724+/-0.000 χ^2/NDF:1030988.7/18

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

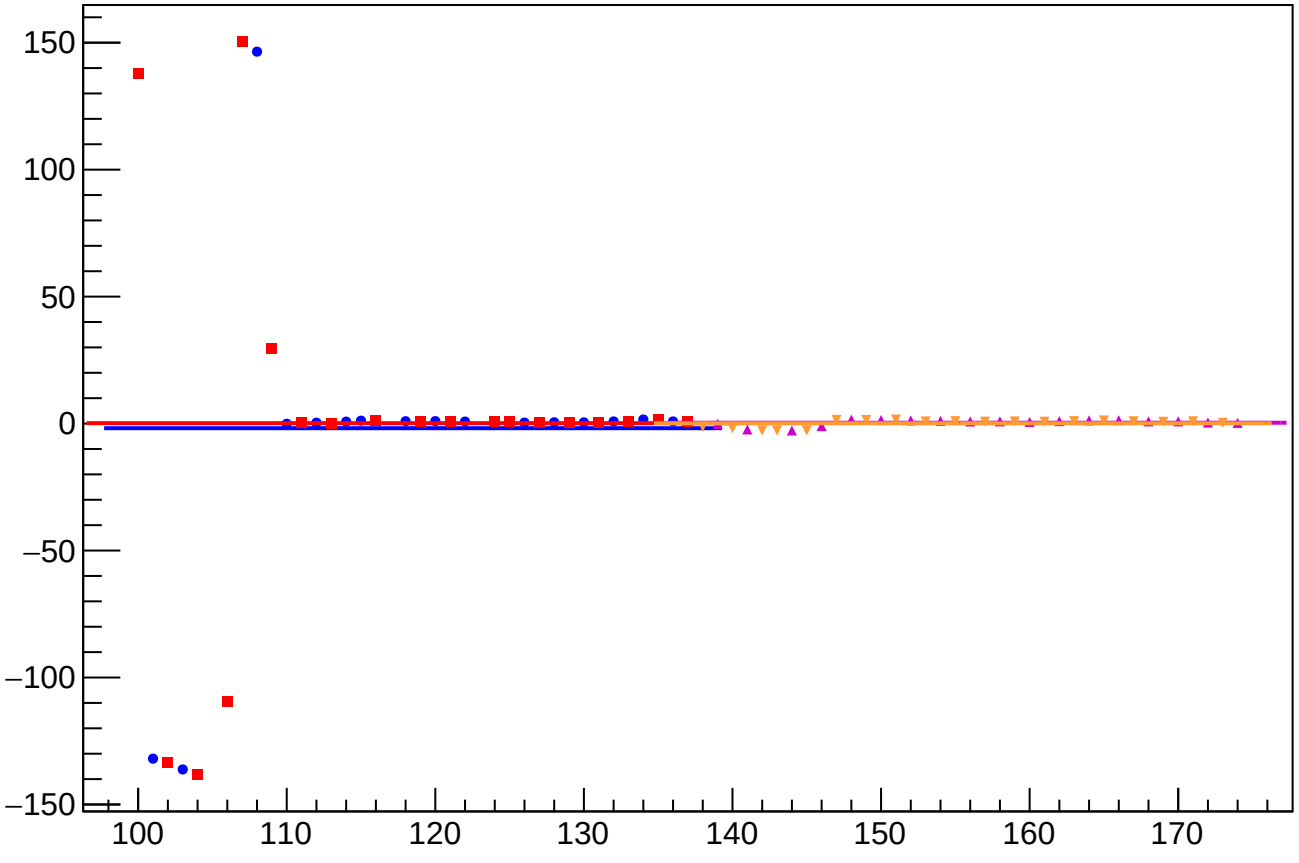
Left In: 0.719+/-0.000 χ^2/NDF:878648.9/17

+ sign 0.003+/-0.000 χ^2/NDF: 35685090.6/34

All: 0.003+/-0.000 χ^2/NDF: 70888046.5/71

- sign 0.003+/-0.000 χ^2/NDF: 35202559.8/36

yield_cav4cX_mean vs Slug



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.105+/-0.000 χ^2/NDF:100427964.9/18

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

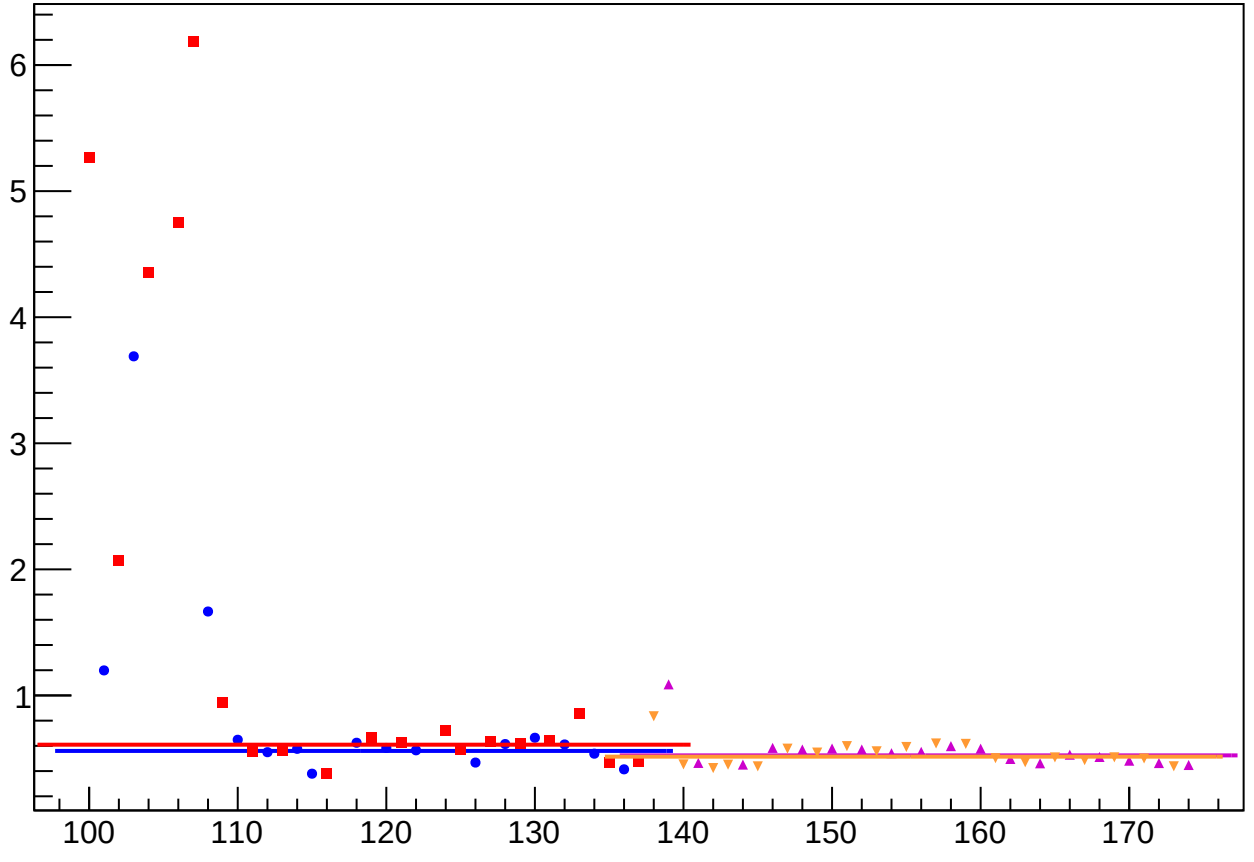
Left In: 0.343+/-0.000 χ^2/NDF:70224761.6/17

+ sign -0.402+/-0.000 χ^2/NDF: 10031518401.3/34

All: -0.065+/-0.000 χ^2/NDF: 13727810448.5/

- 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: 0.515+/-0.000 χ^2/NDF:518514.7/18

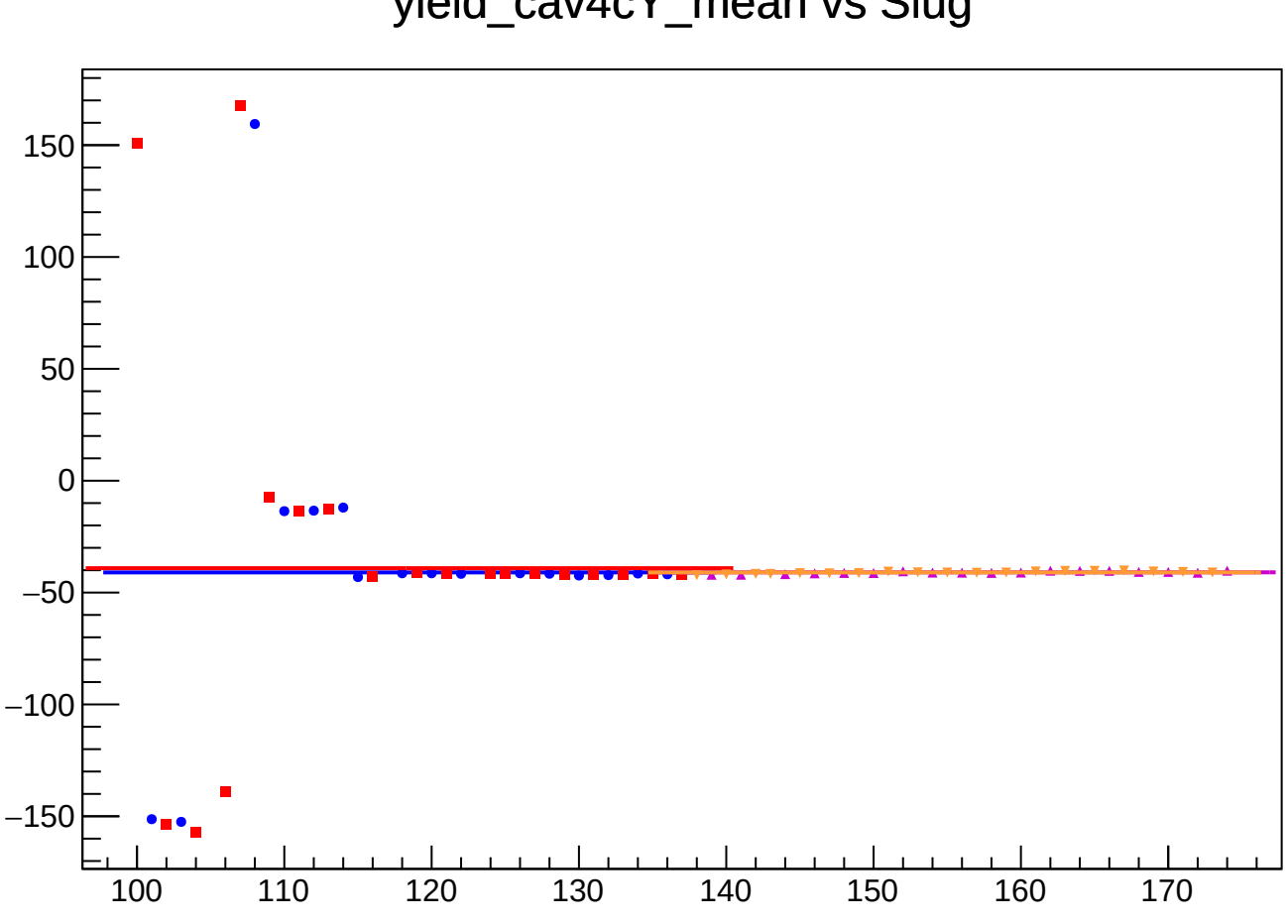
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.525+/-0.000 χ^2/NDF:687595.8/17

+ sign 0.526+/-0.000 χ^2/NDF: 2165728.9/34

All: 0.535+/-0.000 χ^2/NDF: 5495712.8/71

- 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: -40.994+/-0.000 χ^2/NDF:31162143.9/18

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

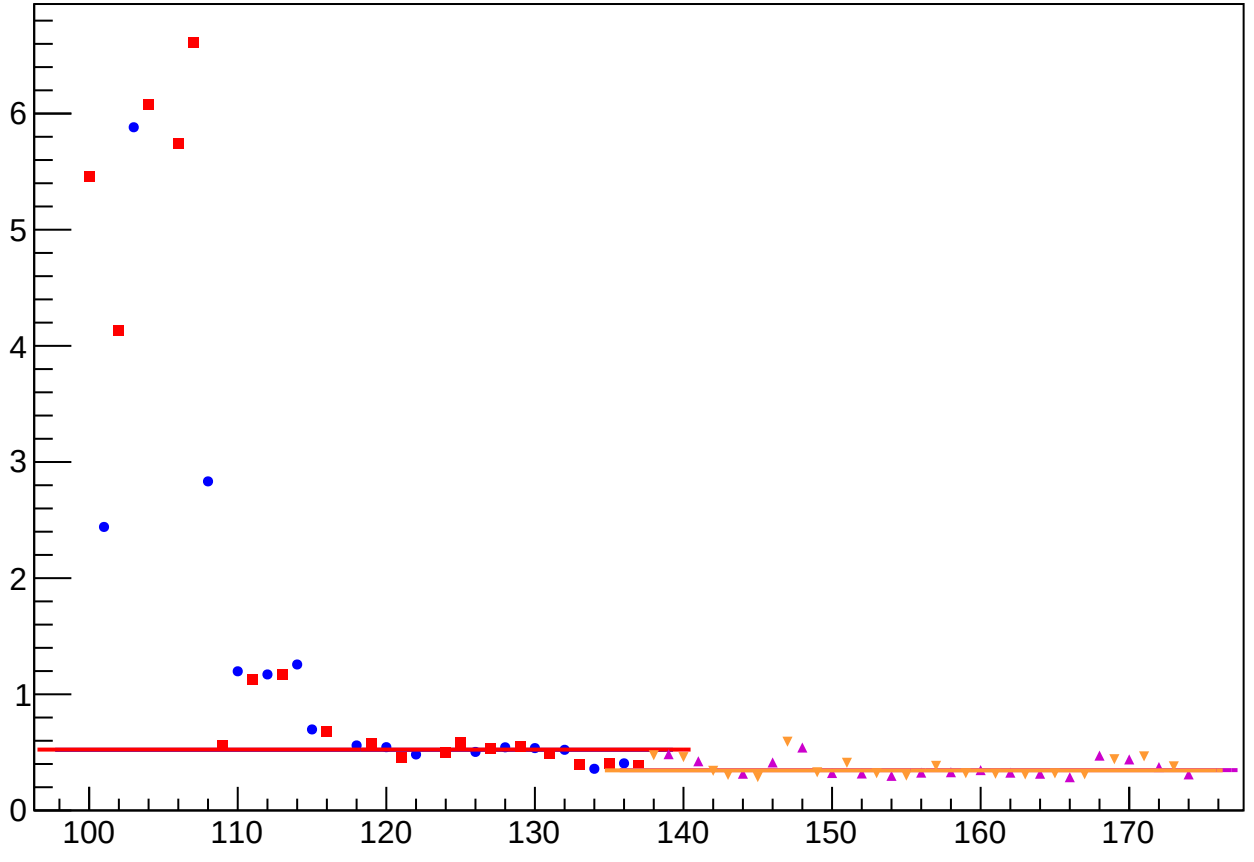
Left In: -40.952+/-0.000 χ^2/NDF:32741400.3/17

+ sign -40.993+/-0.000 χ^2/NDF: 3480784939.7/34

All: -40.848+/-0.000 χ^2/NDF: 6052350825.5/

- 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:921868.0/18

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

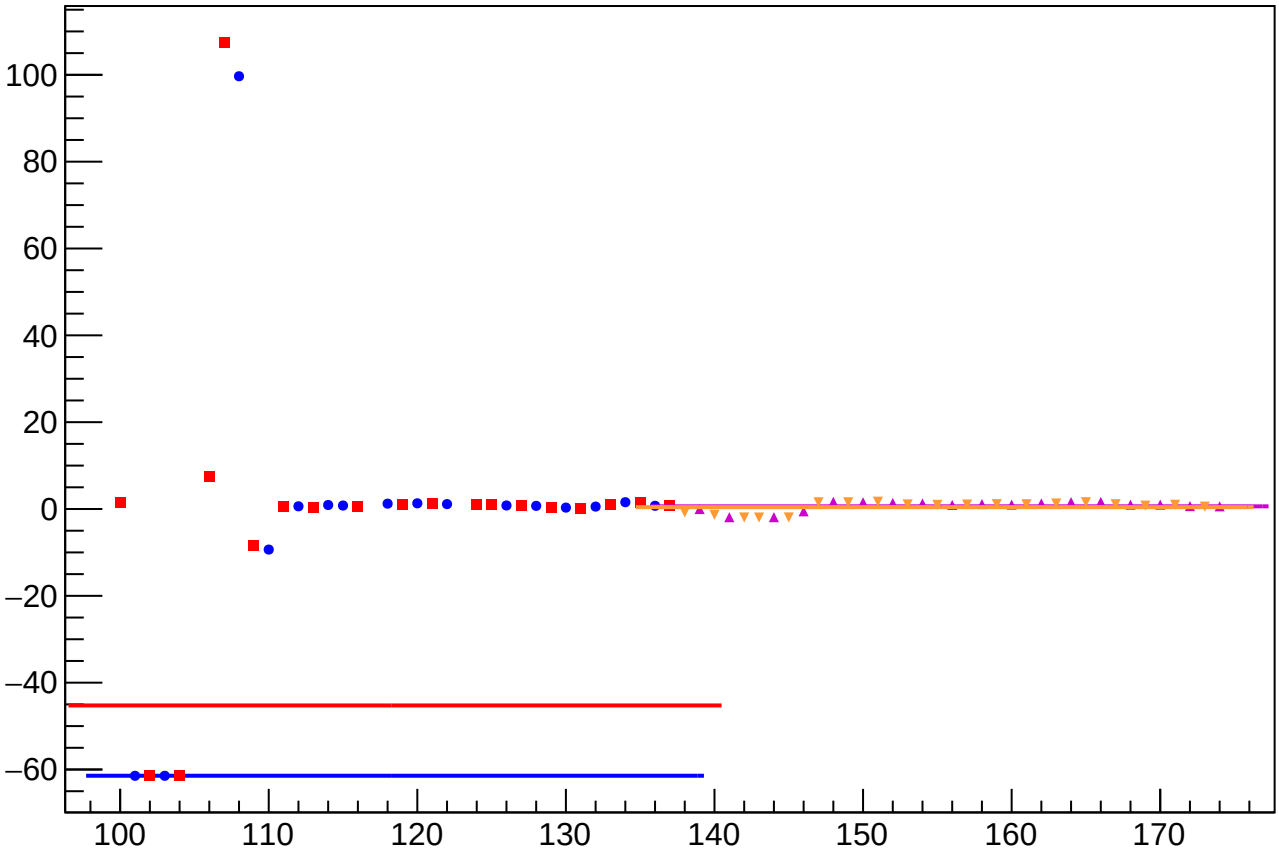
Left In: 0.347+/-0.000 χ^2/NDF:790716.6/17

+ sign 0.370+/-0.000 χ^2/NDF: 4866043.9/34

All: 0.370+/-0.000 χ^2/NDF: 9887674.5/71

- sign 0.371+/-0.000 χ^2/NDF: 5021197.8/36

yield_cav4dX_mean vs Slug



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.426+/-0.000 χ^2/NDF:102148931.3/18

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

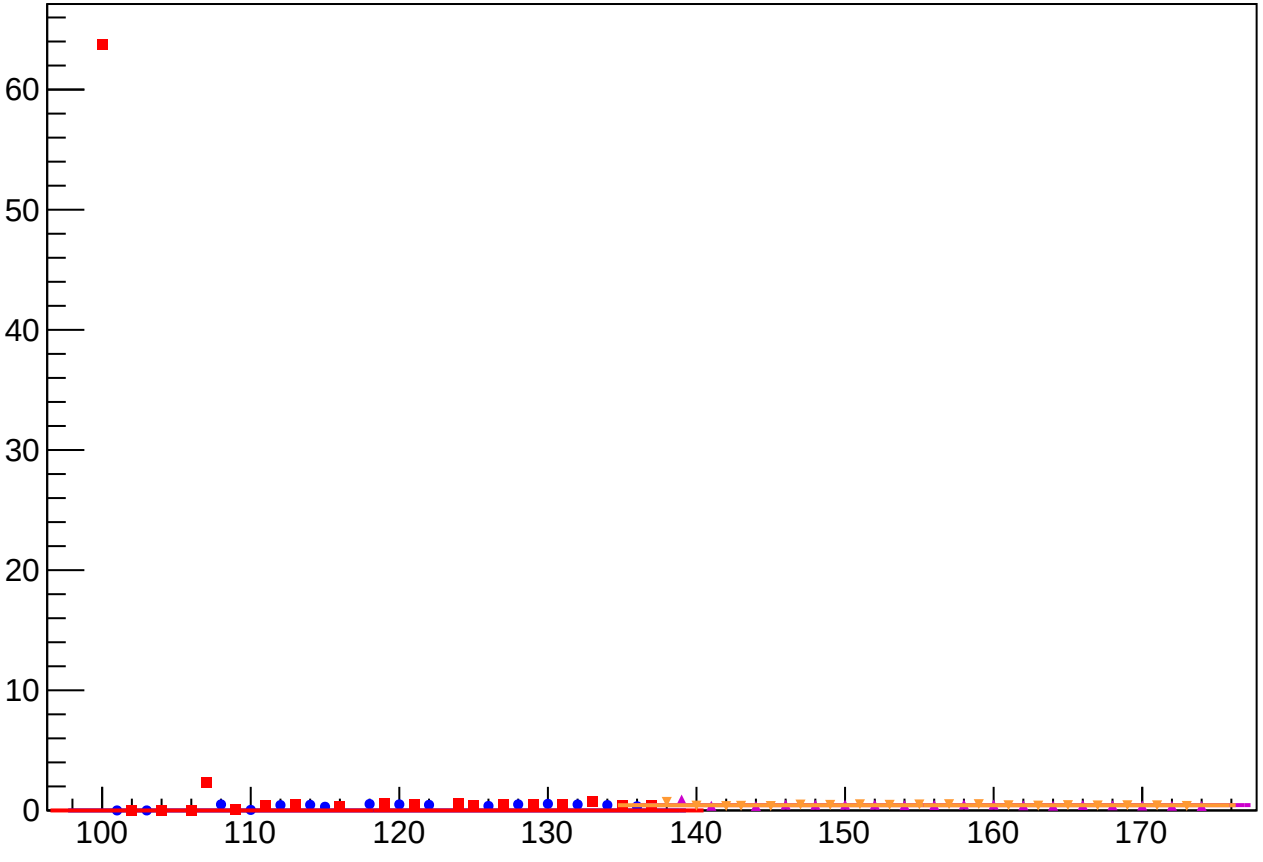
Left In: 0.615+/-0.000 χ^2/NDF:77263279.2/17

+ sign -61.425+/-0.000 χ^2/NDF: 515775439232.4/3

All: -52.741+/-0.000 χ^2/NDF: 409472813144

- 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:507716.1/18

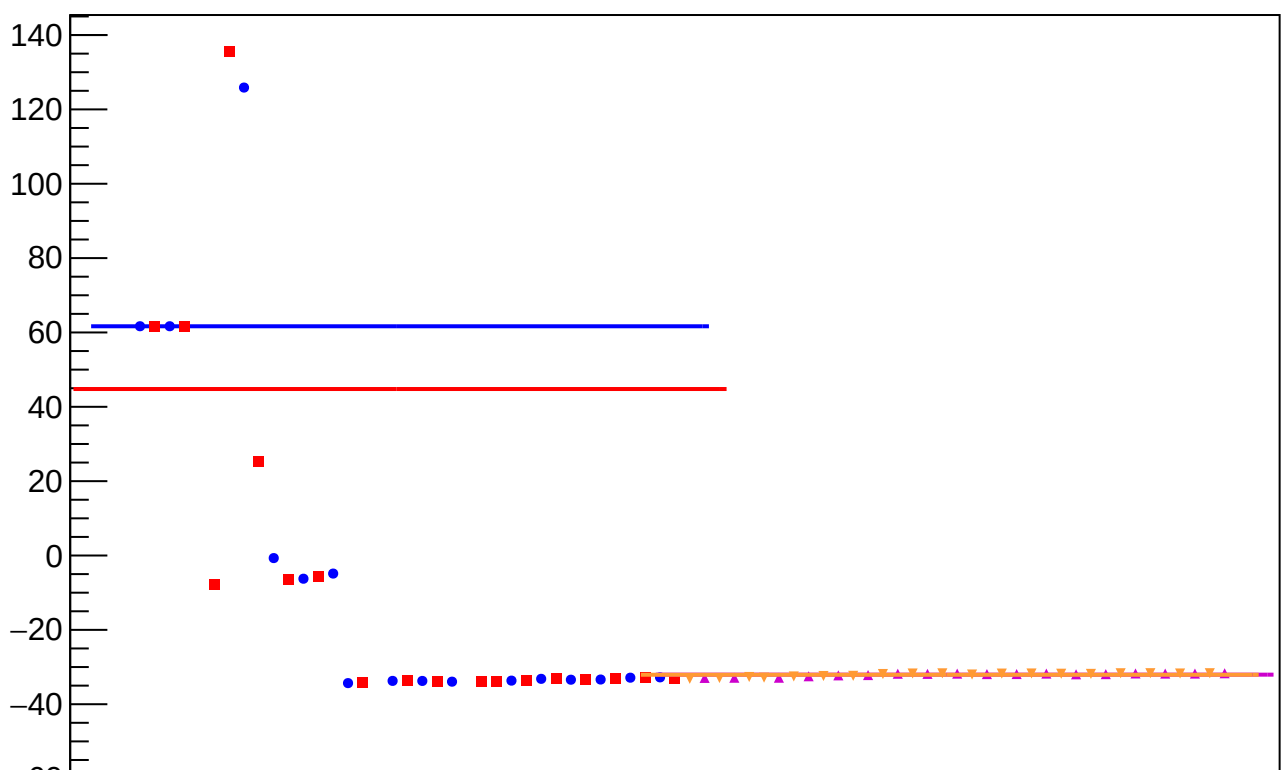
Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.445+/-0.000 χ^2/NDF:663232.7/17

+ sign 0.002+/-0.000 χ^2/NDF: 33482670.3/34

All: 0.002+/-0.000 χ^2/NDF: 67180747.6/71

- sign 0.002+/-0.000 χ^2/NDF: 33697996.4/36



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.072+/-0.000 χ^2/NDF:38902986.6/18

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

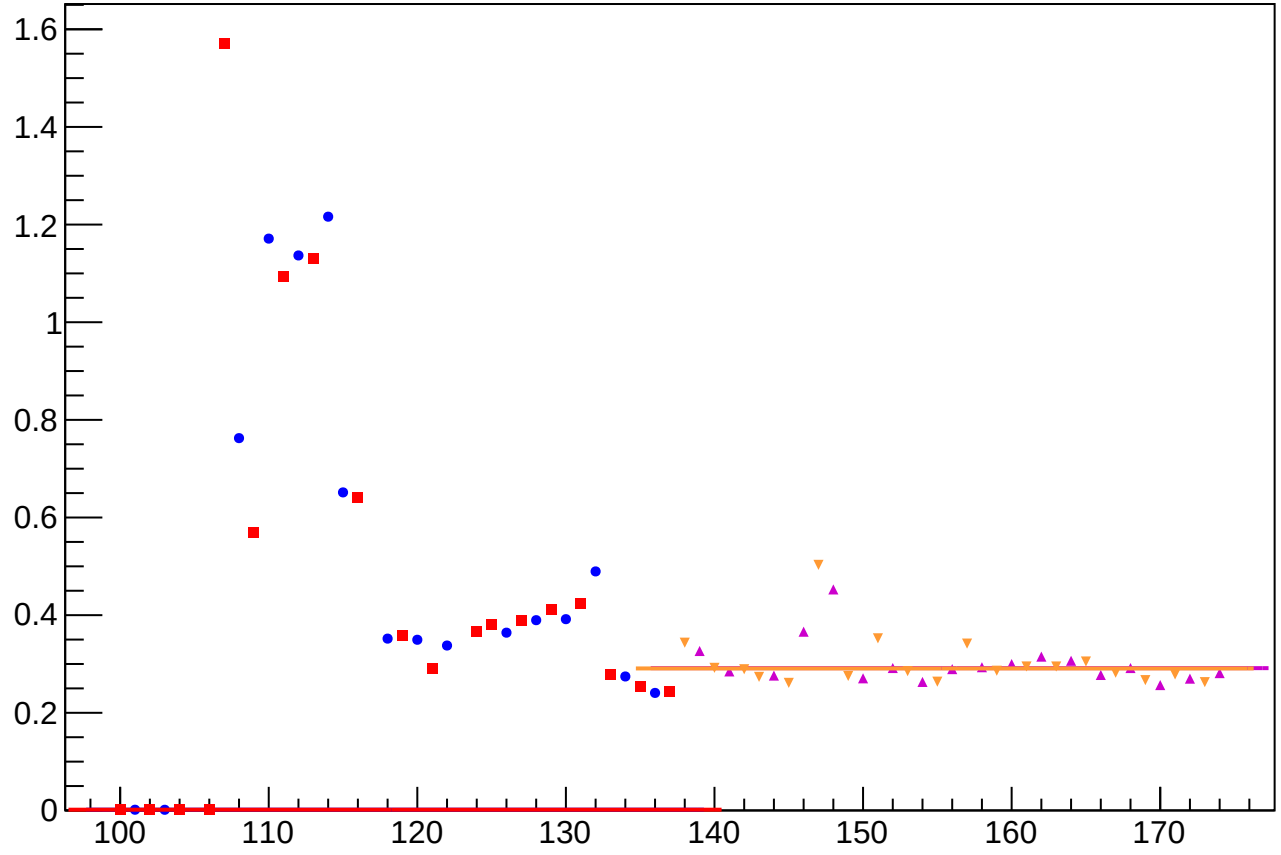
Left In: -32.049+/-0.000 χ^2/NDF:29658550.8/17

+ sign 61.615+/-0.000 χ^2/NDF: 1847905378157.8/3

All: 52.649+/-0.000 χ^2/NDF: 419971240674

- 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:489291.2/18

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

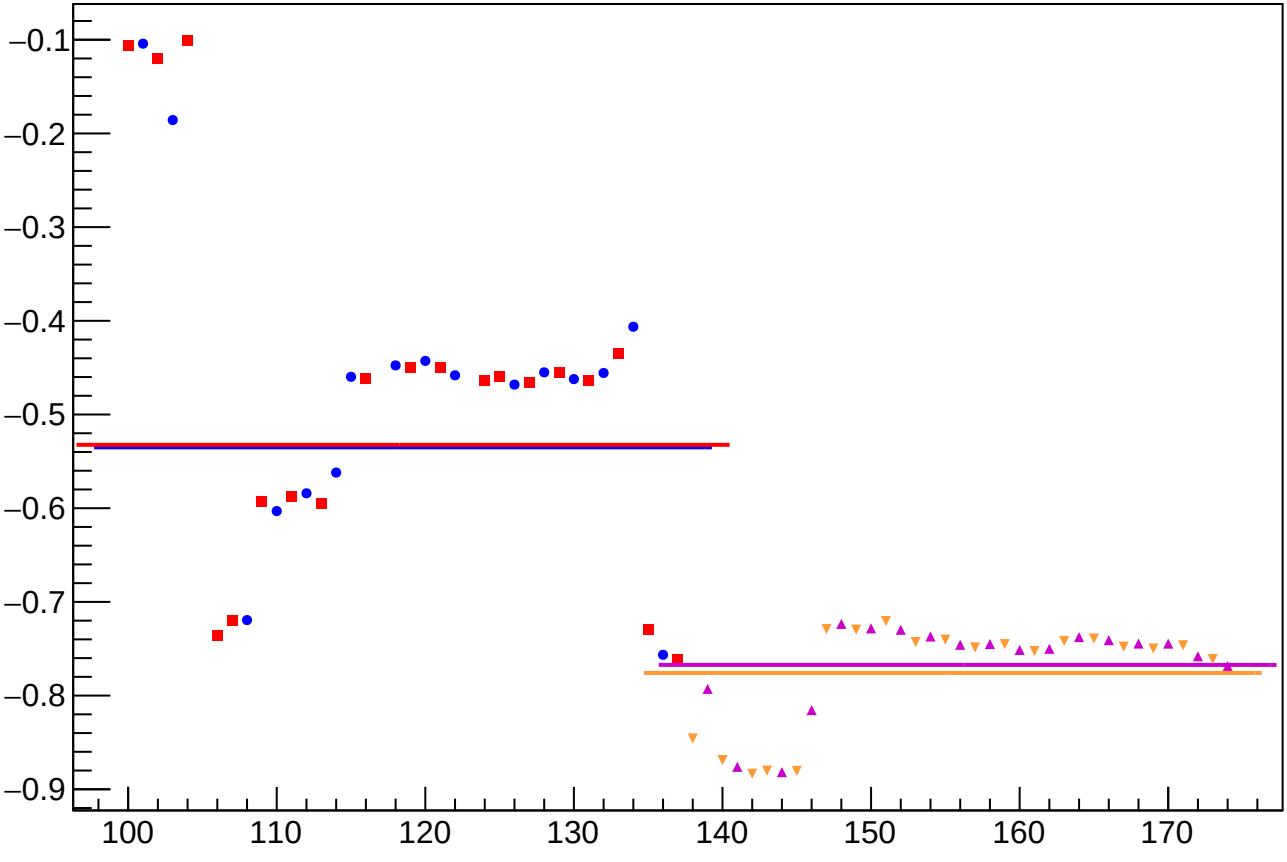
Left In: 0.291+/-0.000 χ^2/NDF:381084.6/17

+ sign 0.002+/-0.000 χ^2/NDF: 39690587.2/34

All: 0.002+/-0.000 χ^2/NDF: 78592452.3/71

- 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: -0.776+/-0.000 χ^2/NDF:111843573.2/18

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

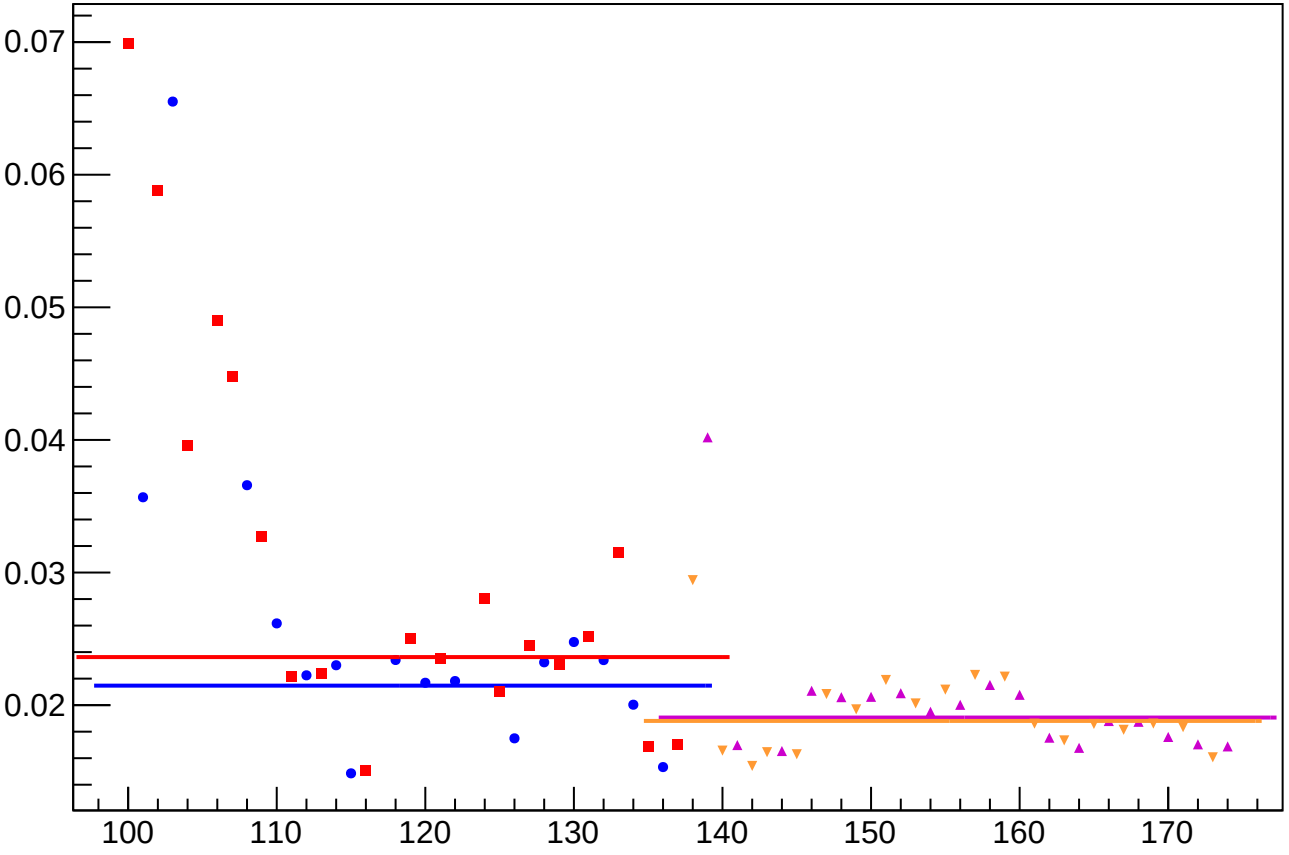
Left In: -0.767+/-0.000 χ^2/NDF:77627902.0/17

+ sign -0.714+/-0.000 χ^2/NDF: 914173493.4/34

All: -0.713+/-0.000 χ^2/NDF: 1628130047.1/7

- 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:451398.8/18

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

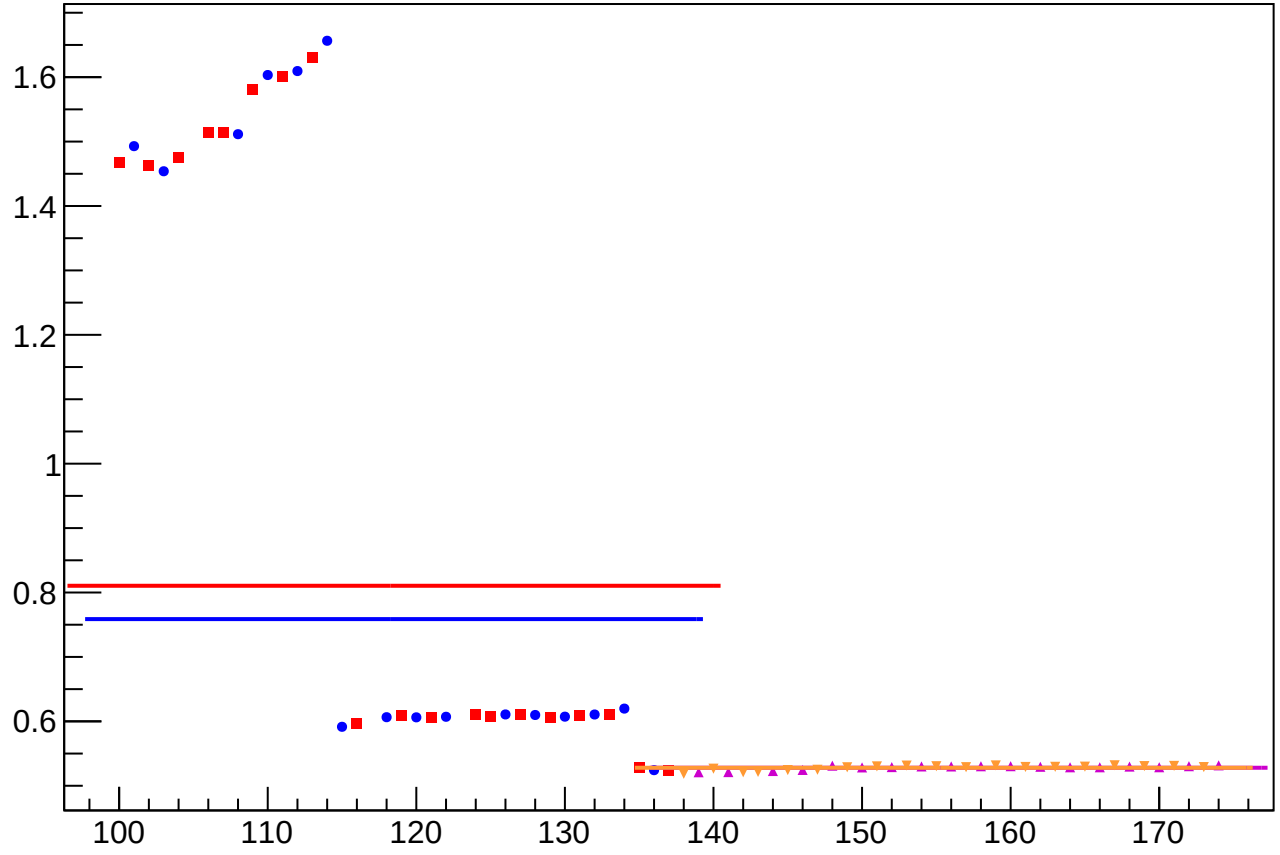
Left In: 0.019+/-0.000 χ^2/NDF:666018.5/17

+ sign 0.019+/-0.000 χ^2/NDF: 1727856.8/34

All: 0.020+/-0.000 χ^2/NDF: 4007506.5/71

- 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:1405419.8/18

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

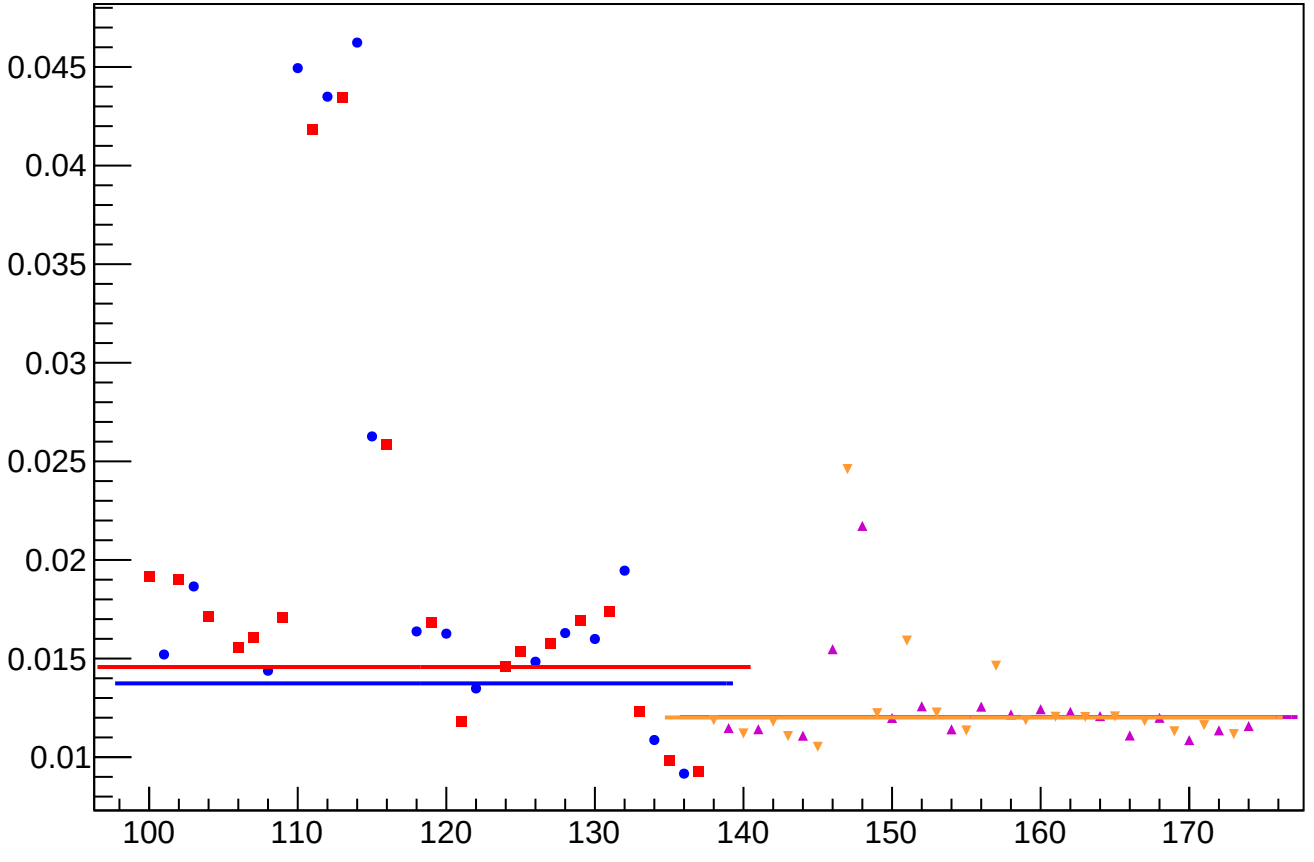
Left In: 0.528+/-0.000 χ^2/NDF:1118479.1/17

+ sign 0.584+/-0.000 χ^2/NDF: 5578335964.6/34

All: 0.588+/-0.000 χ^2/NDF: 12158478174.0/7

- 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:635544.0/18

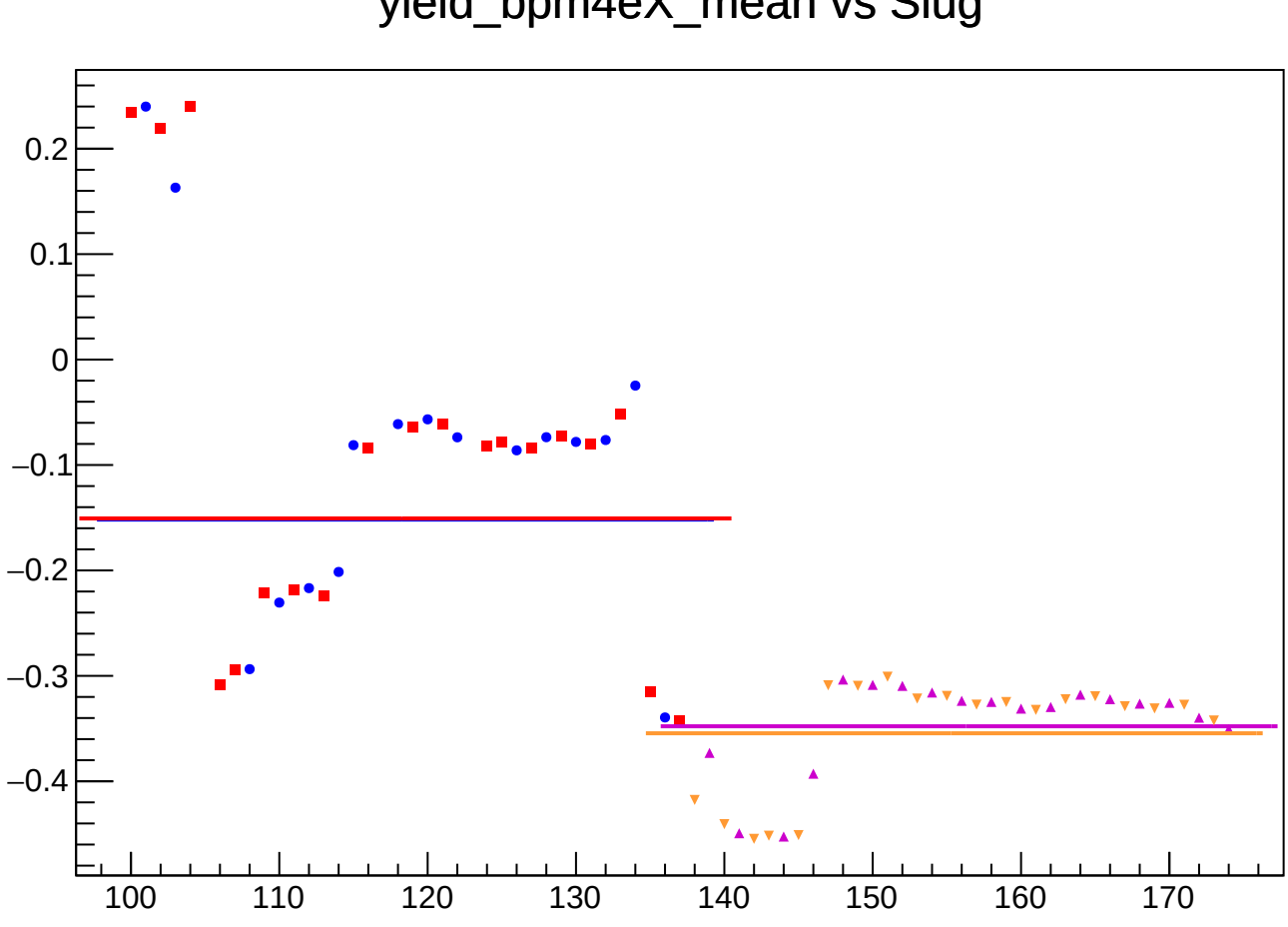
Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:462289.7/17

+ sign 0.012+/-0.000 χ^2/NDF: 2428098.5/34

All: 0.013+/-0.000 χ^2/NDF: 4641497.9/71

- 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:107817954.6/18

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

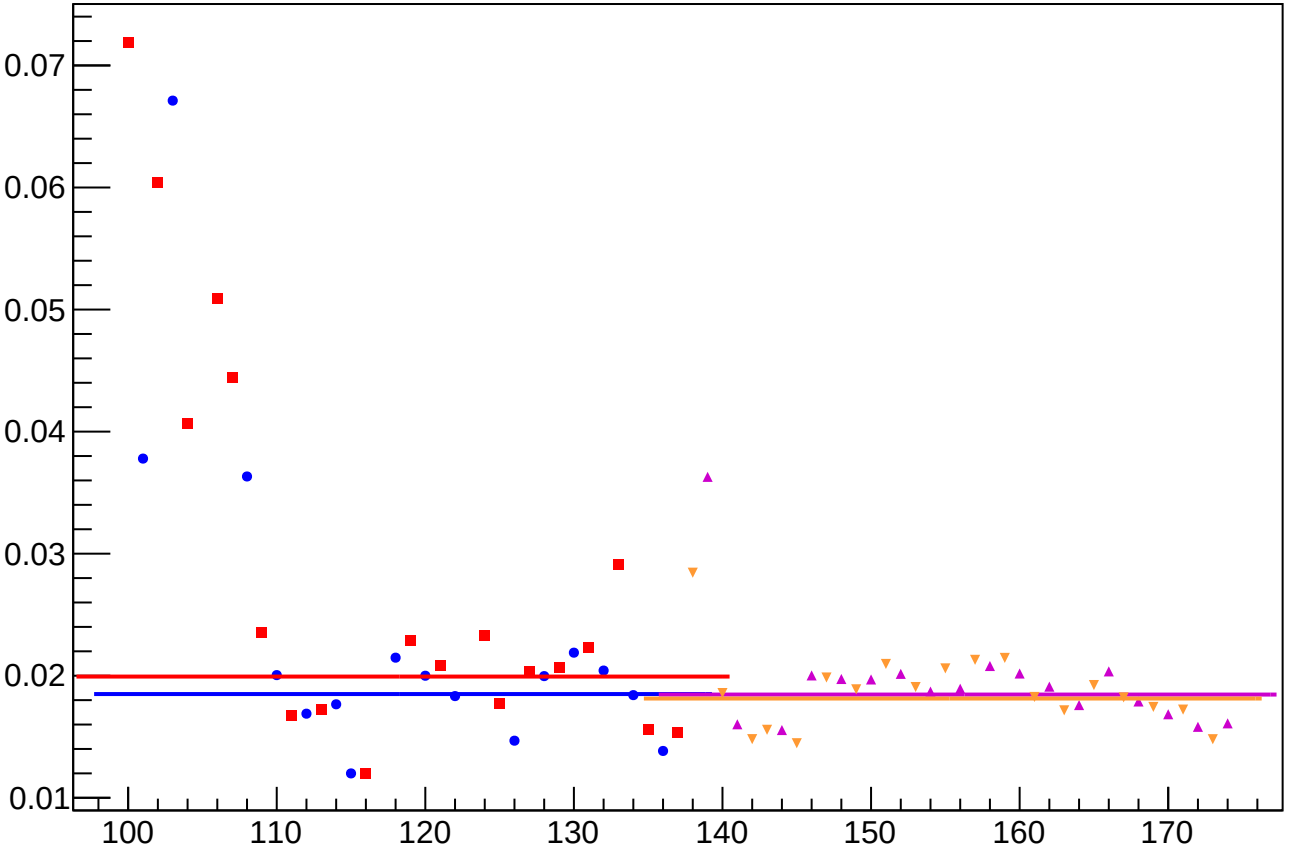
Left In: -0.348+/-0.000 χ^2/NDF:78130241.5/17

+ sign -0.295+/-0.000 χ^2/NDF: 830425094.5/34

All: -0.294+/-0.000 χ^2/NDF: 1491448550.4/7

- 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:516594.3/18

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

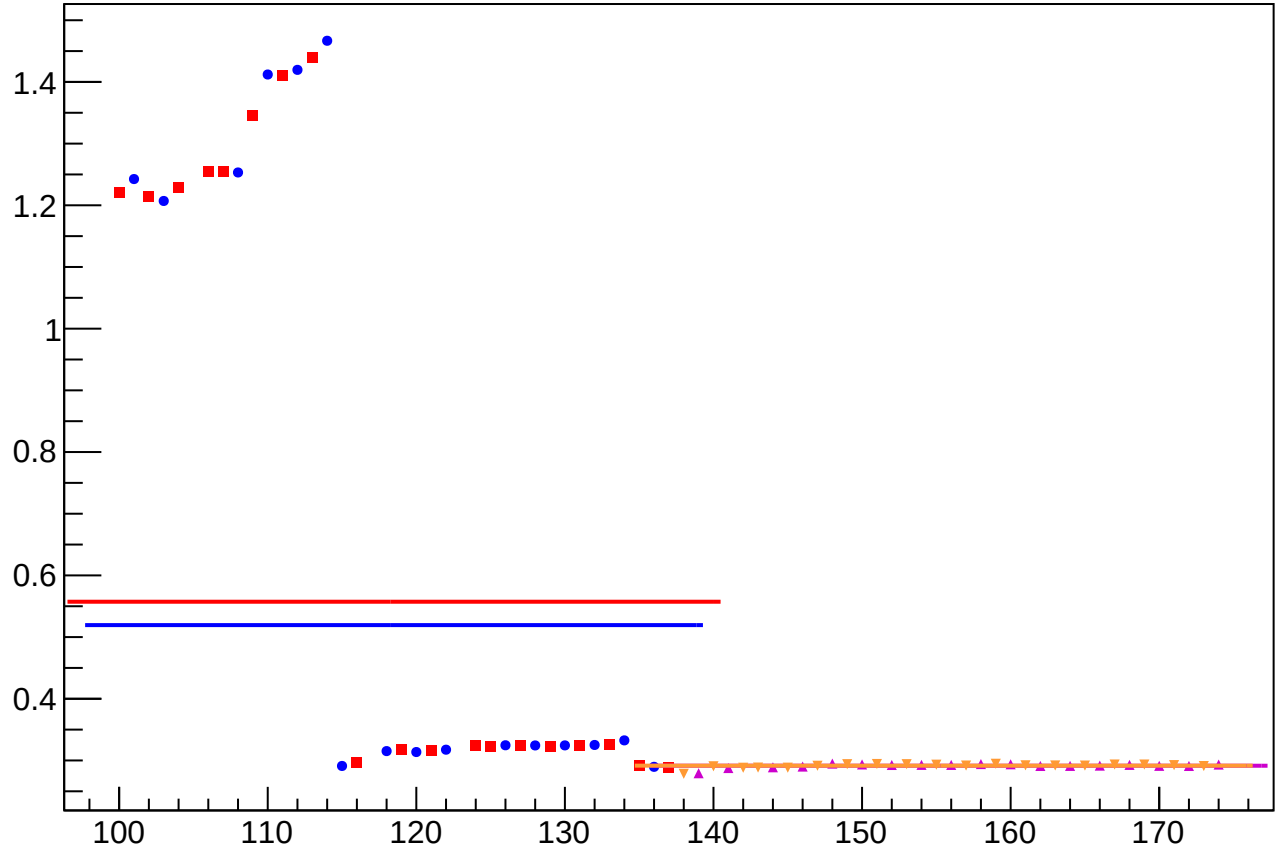
Left In: 0.018+/-0.000 χ^2/NDF:634848.9/17

+ sign 0.018+/-0.000 χ^2/NDF: 1891868.5/34

All: 0.019+/-0.000 χ^2/NDF: 4137201.3/71

- 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:1205107.4/18

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

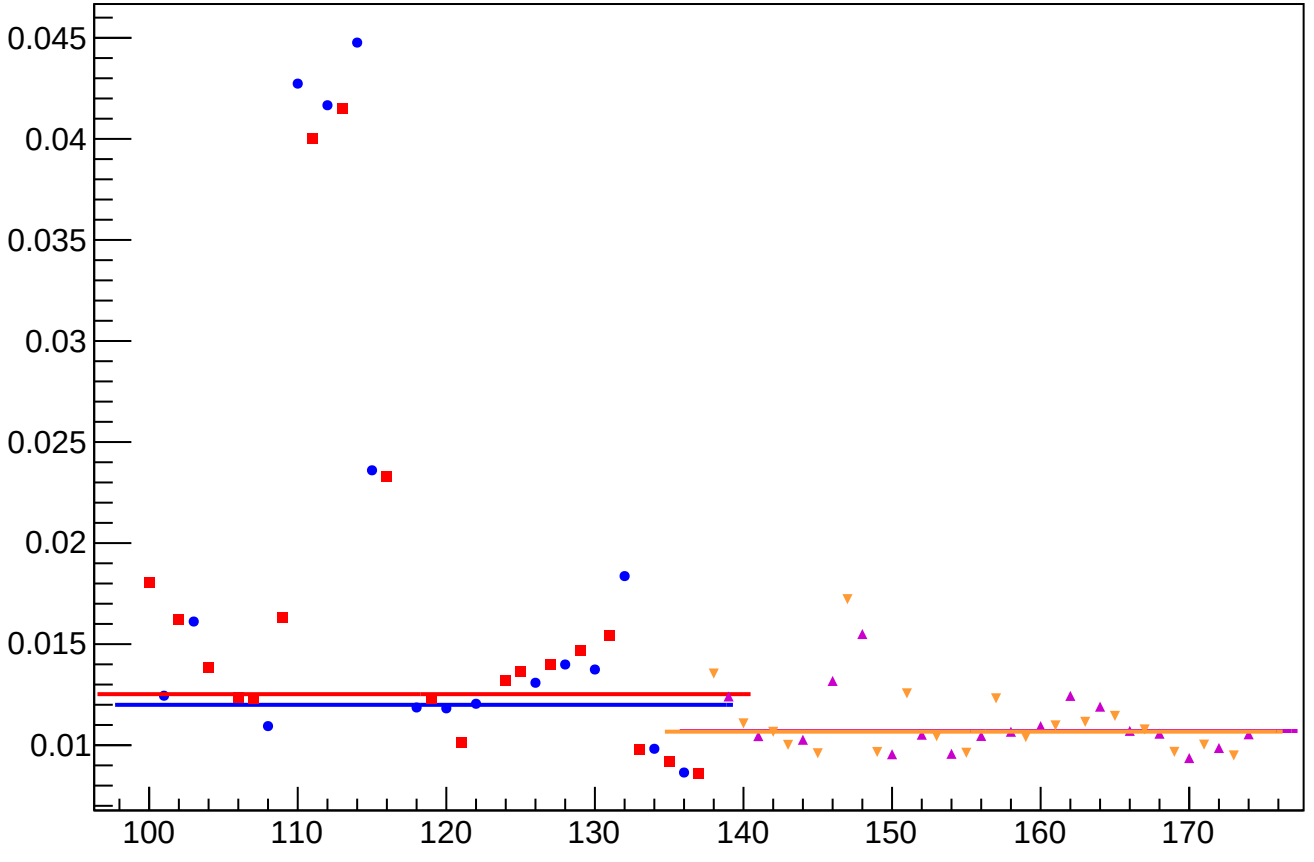
Left In: 0.291+/-0.000 χ^2/NDF:1215817.2/17

+ sign 0.348+/-0.000 χ^2/NDF: 7934960629.7/34

All: 0.352+/-0.000 χ^2/NDF: 16781898285.5/7

- 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:485984.7/18

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

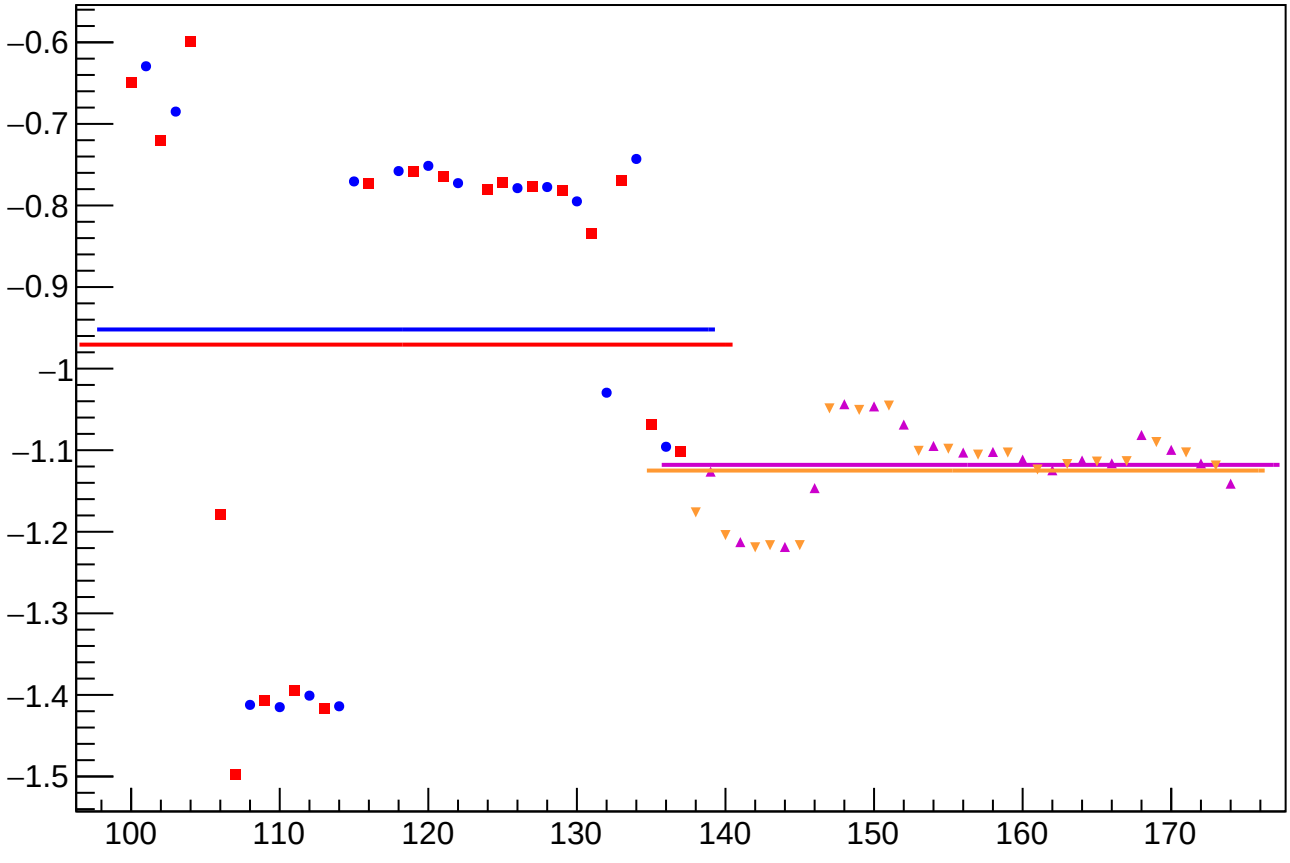
Left In: 0.011+/-0.000 χ^2/NDF:383821.9/17

+ sign 0.011+/-0.000 χ^2/NDF: 2087334.9/34

All: 0.011+/-0.000 χ^2/NDF: 4105714.8/71

- 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: -1.125+/-0.000 χ^2/NDF:102438556.2/18

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

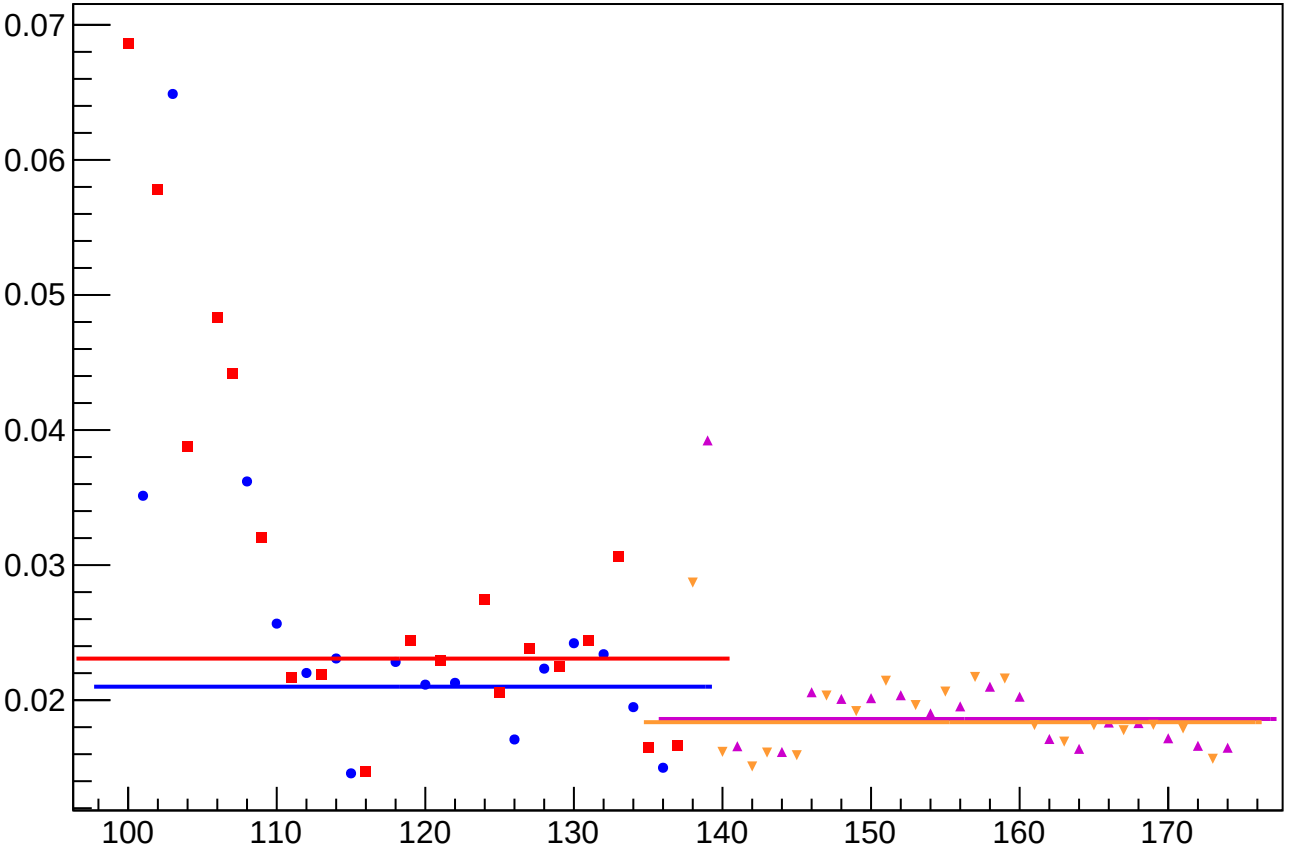
Left In: -1.118+/-0.000 χ^2/NDF:76798626.3/17

+ sign -1.081+/-0.000 χ^2/NDF: 1072347732.4/34

All: -1.082+/-0.000 χ^2/NDF: 2037636454.1/7

- 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:448583.4/18

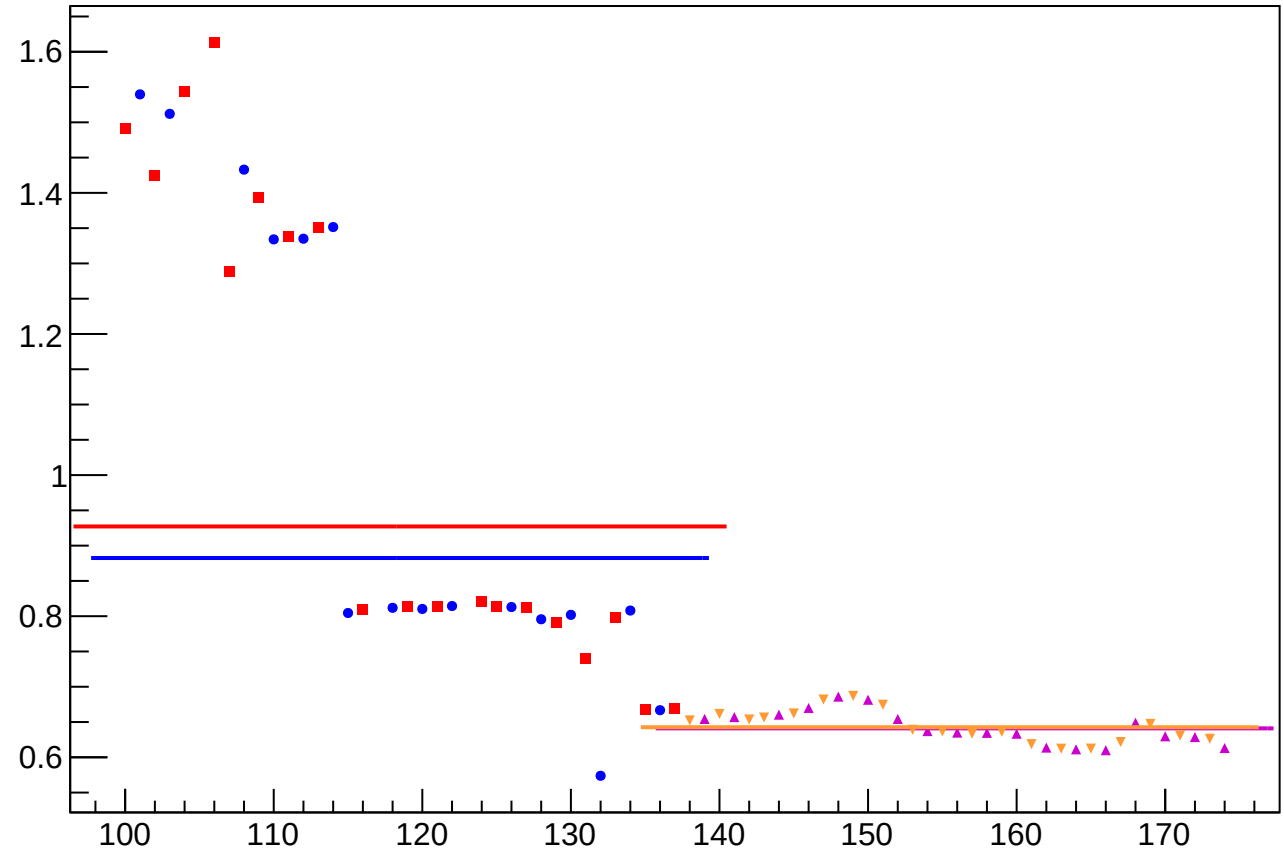
Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.019+/-0.000 χ^2/NDF:664861.1/17

+ sign 0.019+/-0.000 χ^2/NDF: 1740486.5/34

All: 0.019+/-0.000 χ^2/NDF: 4023795.8/71

- sign 0.020+/-0.000 χ^2/NDF: 2266180.4/36



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.643+/-0.000 χ^2/NDF:41083282.2/18

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

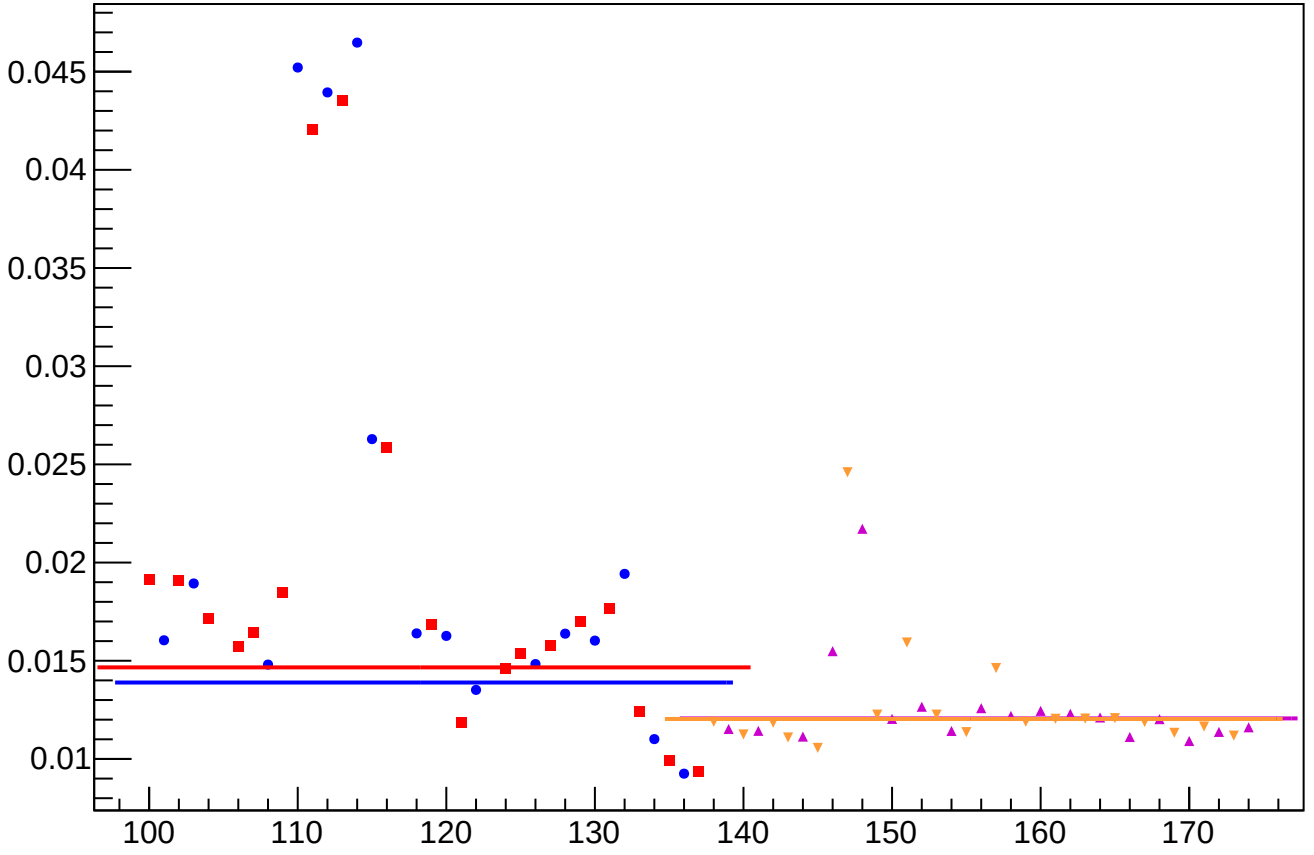
Left In: 0.641+/-0.000 χ^2/NDF:42151946.2/17

+ sign 0.700+/-0.000 χ^2/NDF: 4171791525.2/34

All: 0.703+/-0.000 χ^2/NDF: 8803814304.5/71

- 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:630229.7/18

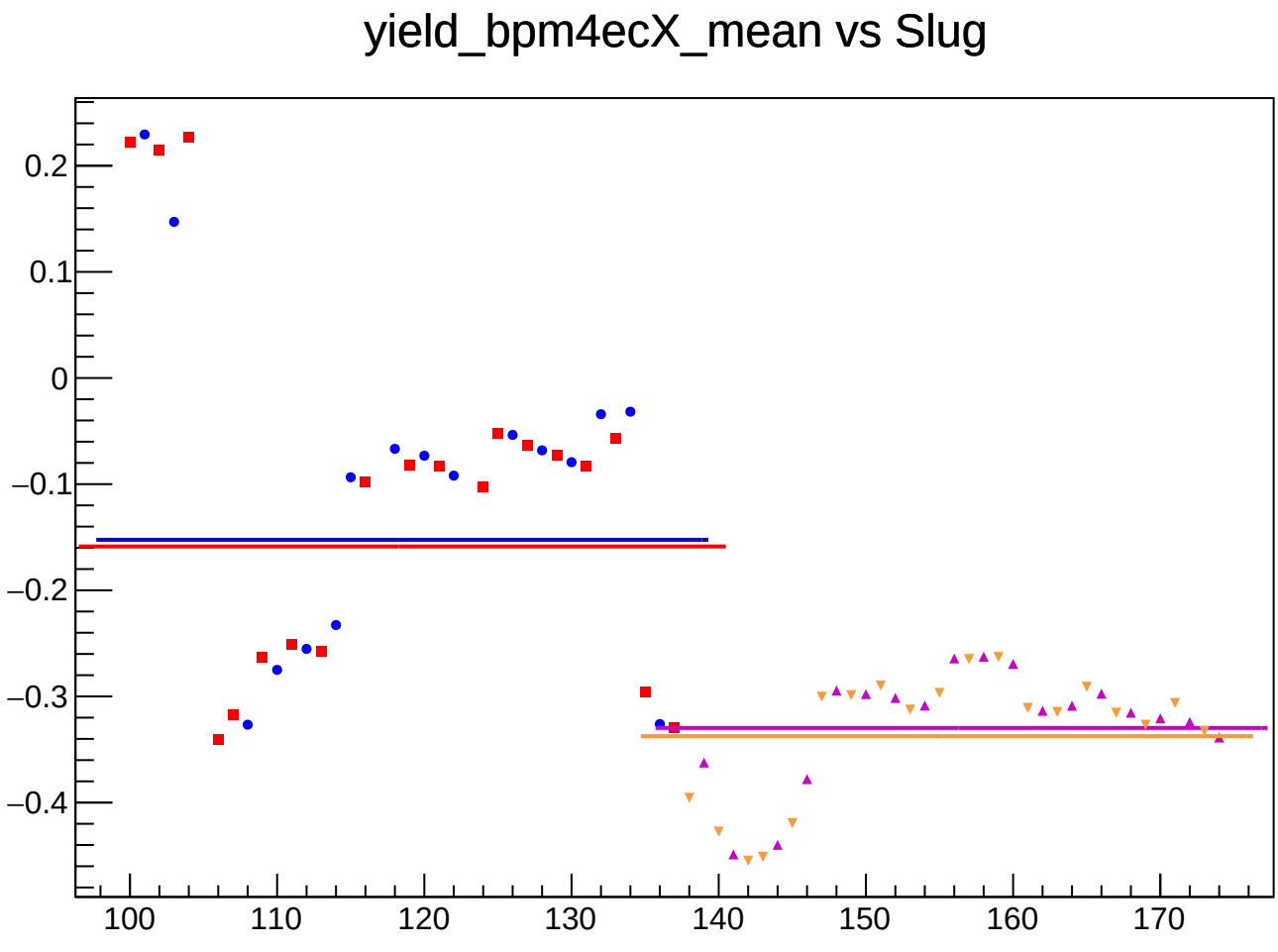
Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:458394.1/17

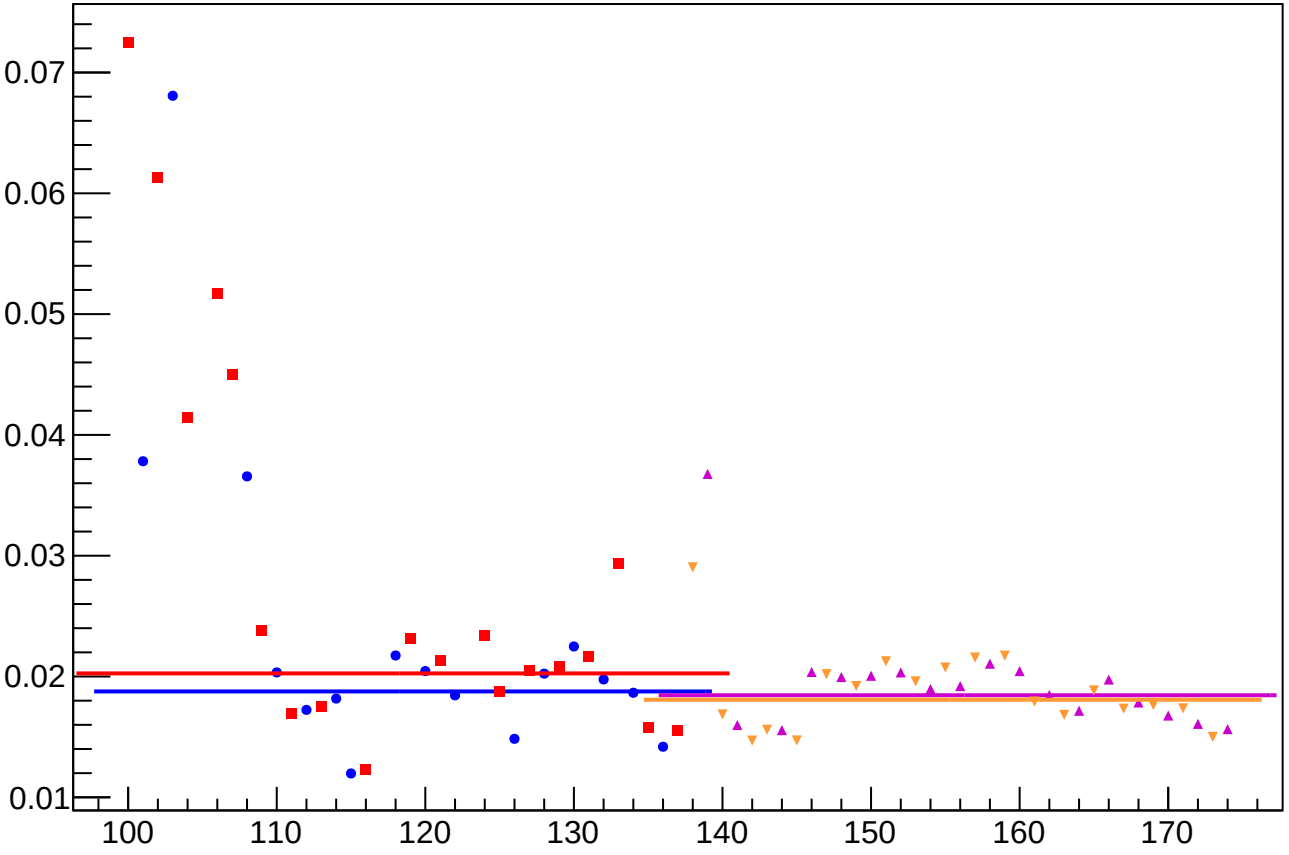
+ sign 0.012+/-0.000 χ^2/NDF: 2438144.1/34

All: 0.013+/-0.000 χ^2/NDF: 4668495.4/71

- sign 0.013+/-0.000 χ^2/NDF: 2226203.5/36


yield_bpm4ecX_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
Right In: -0.152+/-0.000 χ²/NDF: 274261842.6/15
Left Out: -0.337+/-0.000 χ²/NDF:126274232.5/18
Right Out: -0.159+/-0.000 χ²/NDF: 195614120.0/18
Left In: -0.330+/-0.000 χ²/NDF:103886315.8/17
+ sign -0.284+/-0.000 χ²/NDF: 764742206.3/34
All: -0.283+/-0.000 χ²/NDF: 1345509078.2/7
- sign -0.283+/-0.000 χ²/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:548281.1/18

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

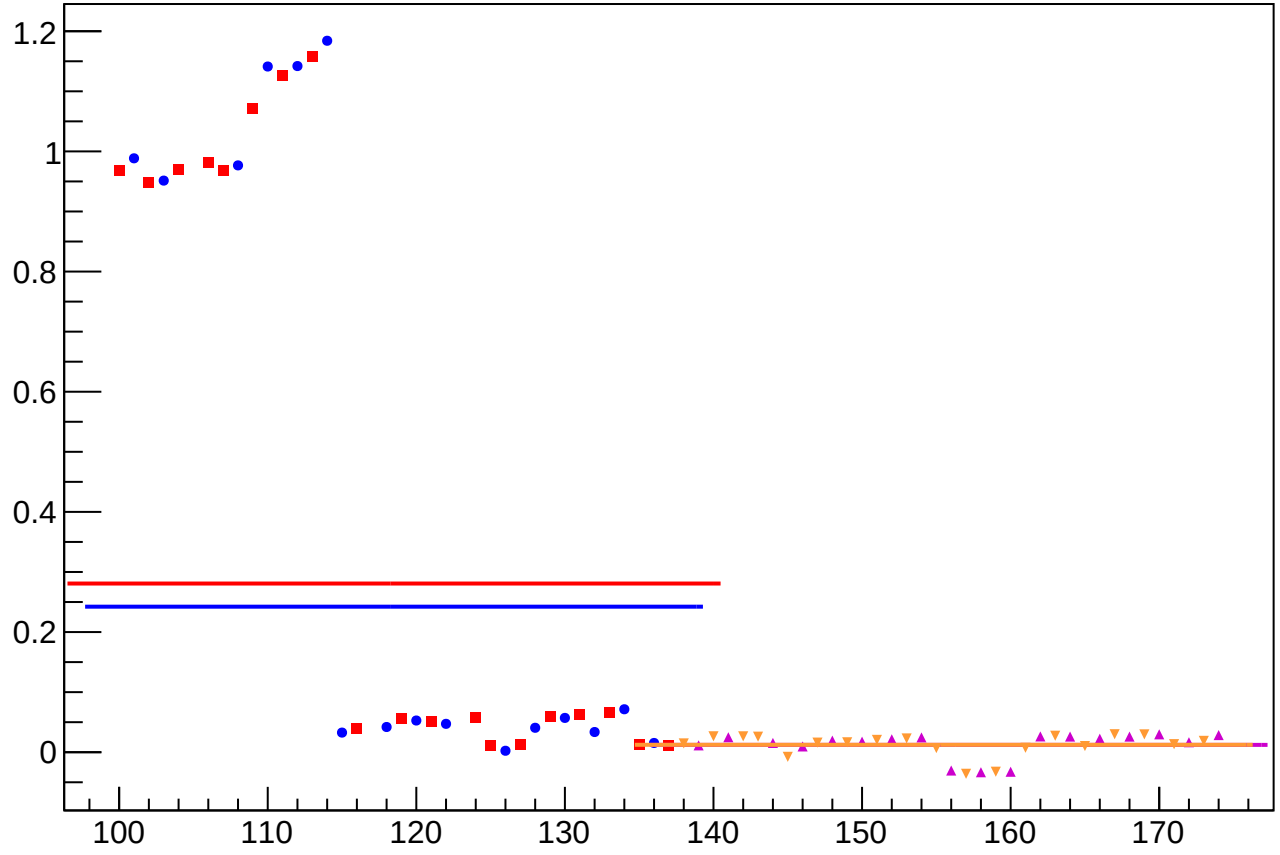
Left In: 0.018+/-0.000 χ^2/NDF:672856.6/17

+ sign 0.018+/-0.000 χ^2/NDF: 1907758.3/34

All: 0.019+/-0.000 χ^2/NDF: 4195514.5/71

- 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:44619622.2/18

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

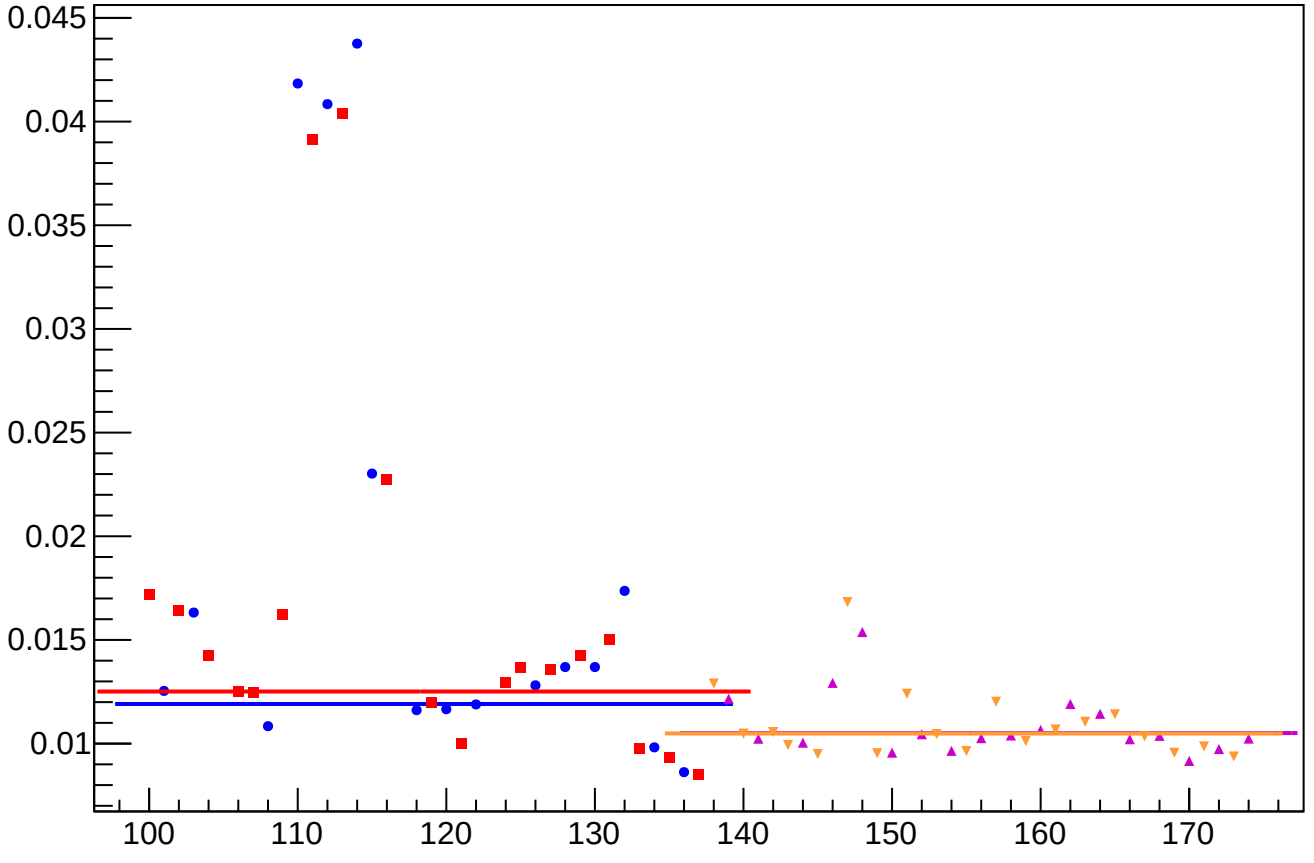
Left In: 0.012+/-0.000 χ^2/NDF:57552153.8/17

+ sign 0.069+/-0.000 χ^2/NDF: 8230914007.6/34

All: 0.072+/-0.000 χ^2/NDF: 17211589526.1/7

- 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: 0.010+/-0.000 χ^2/NDF:450198.8/18

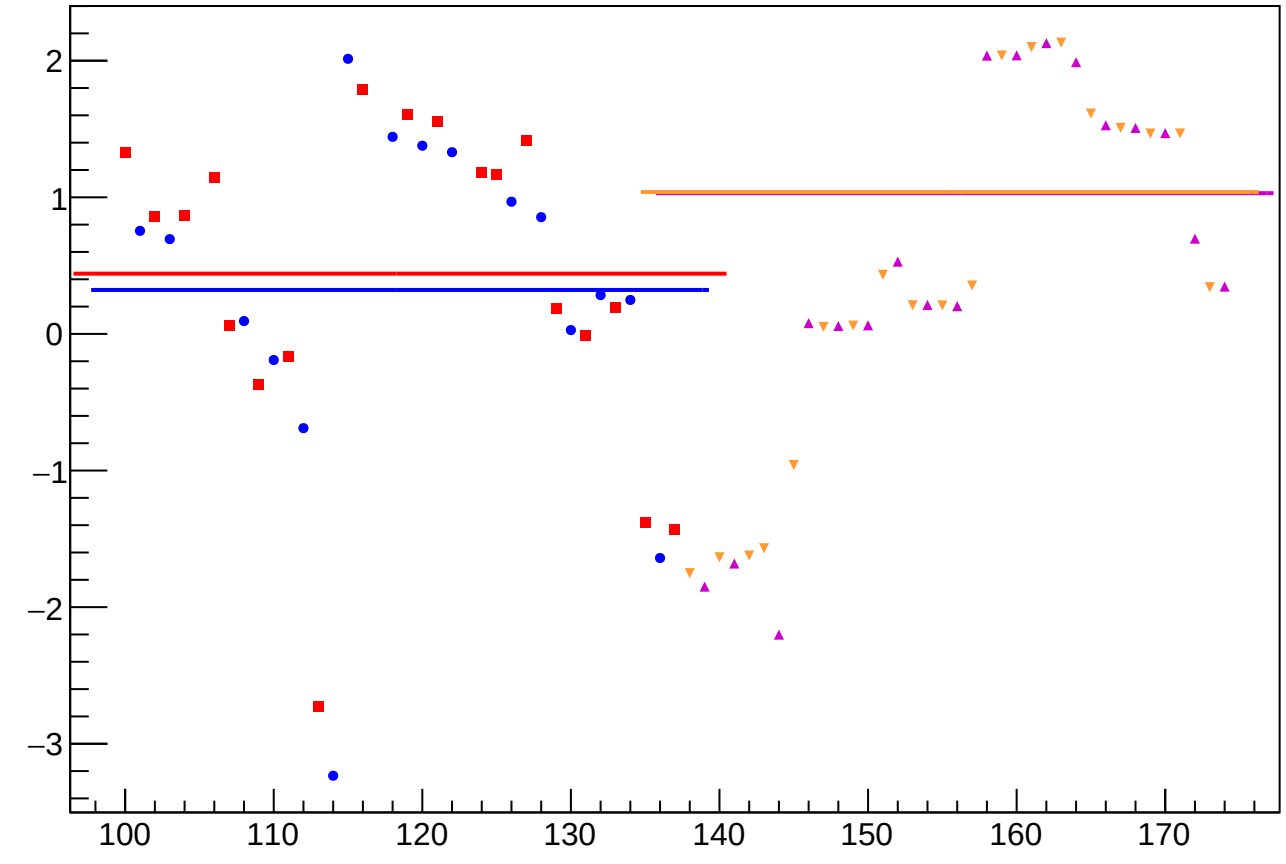
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:360536.8/17

+ sign 0.011+/-0.000 χ^2/NDF: 2037794.2/34

All: 0.011+/-0.000 χ^2/NDF: 4034804.2/71

- 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: 1.039+/-0.000 χ^2/NDF:31464480368.0/18

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

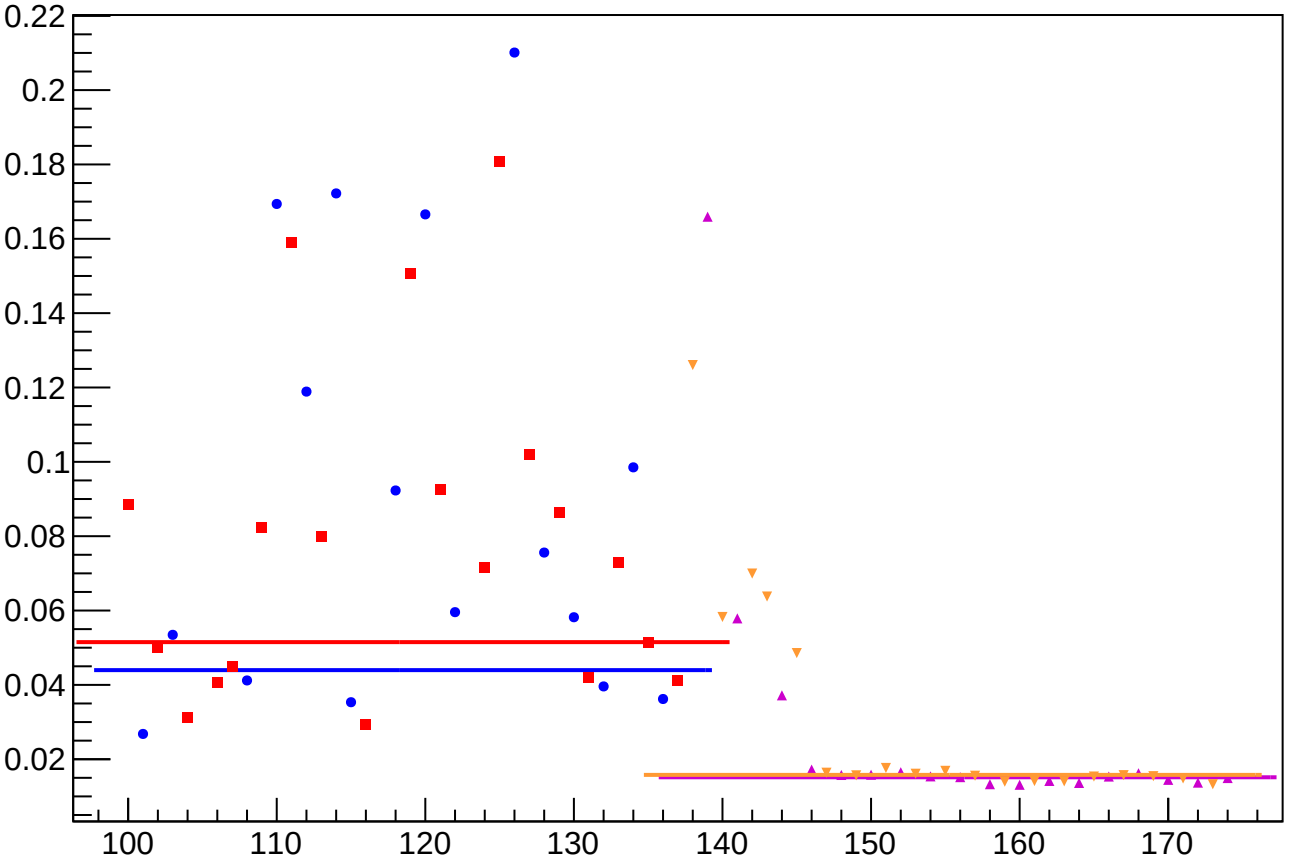
Left In: 1.030+/-0.000 χ^2/NDF:35605605140.6/17

+ sign 1.008+/-0.000 χ^2/NDF: 34105296056.4/34

All: 1.009+/-0.000 χ^2/NDF: 72060030400.1/7

- 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:2941620.9/18

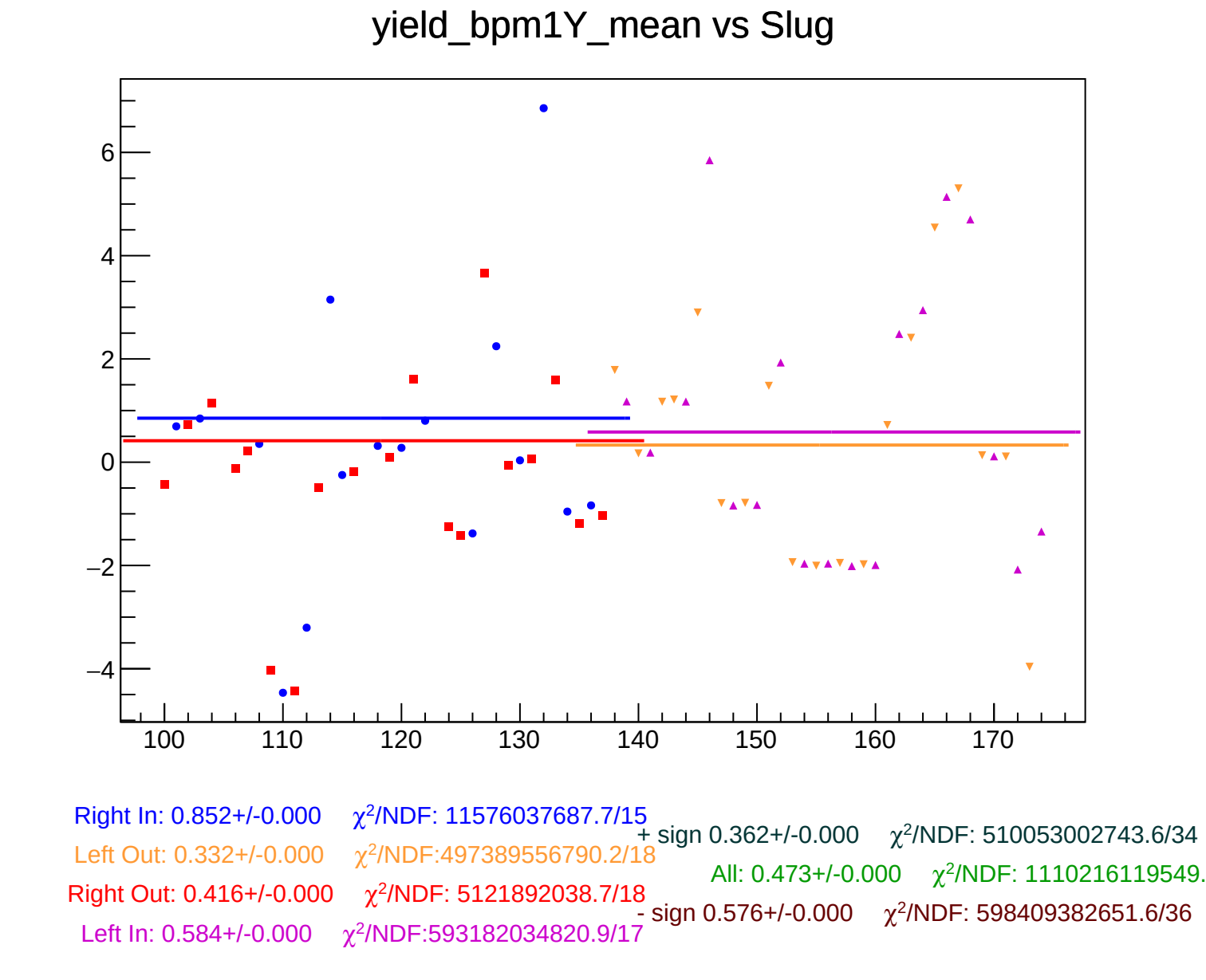
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2169272.7/17

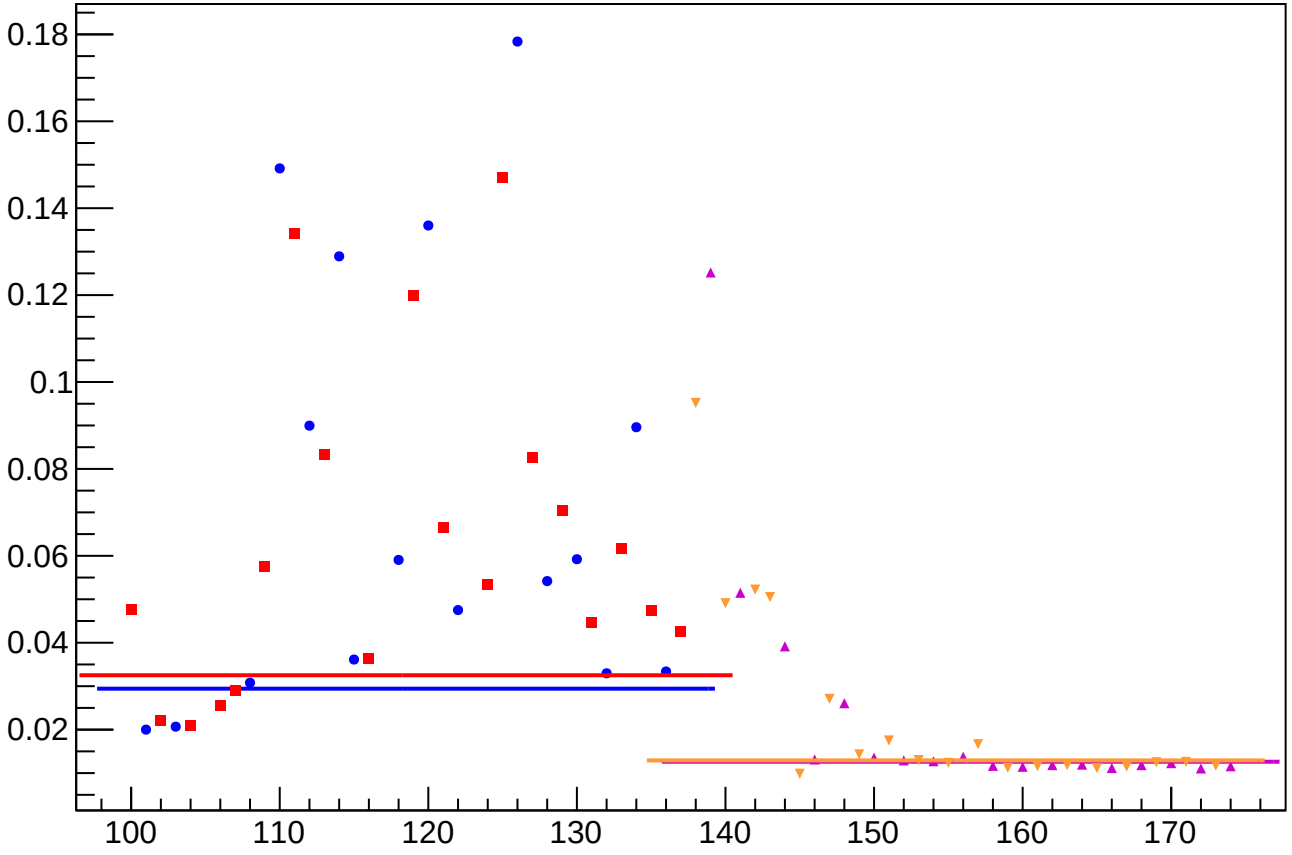
+ sign 0.017+/-0.000 χ^2/NDF: 8742866.8/34

All: 0.017+/-0.000 χ^2/NDF: 17506695.6/71

- 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: 0.332+/-0.000 χ²/NDF:497389556790.2/18
Right Out: 0.416+/-0.000 χ²/NDF: 5121892038.7/18
Left In: 0.584+/-0.000 χ²/NDF:593182034820.9/17
+ sign 0.362+/-0.000 χ²/NDF: 510053002743.6/34
All: 0.473+/-0.000 χ²/NDF: 1110216119549.
- 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:3129101.5/18

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

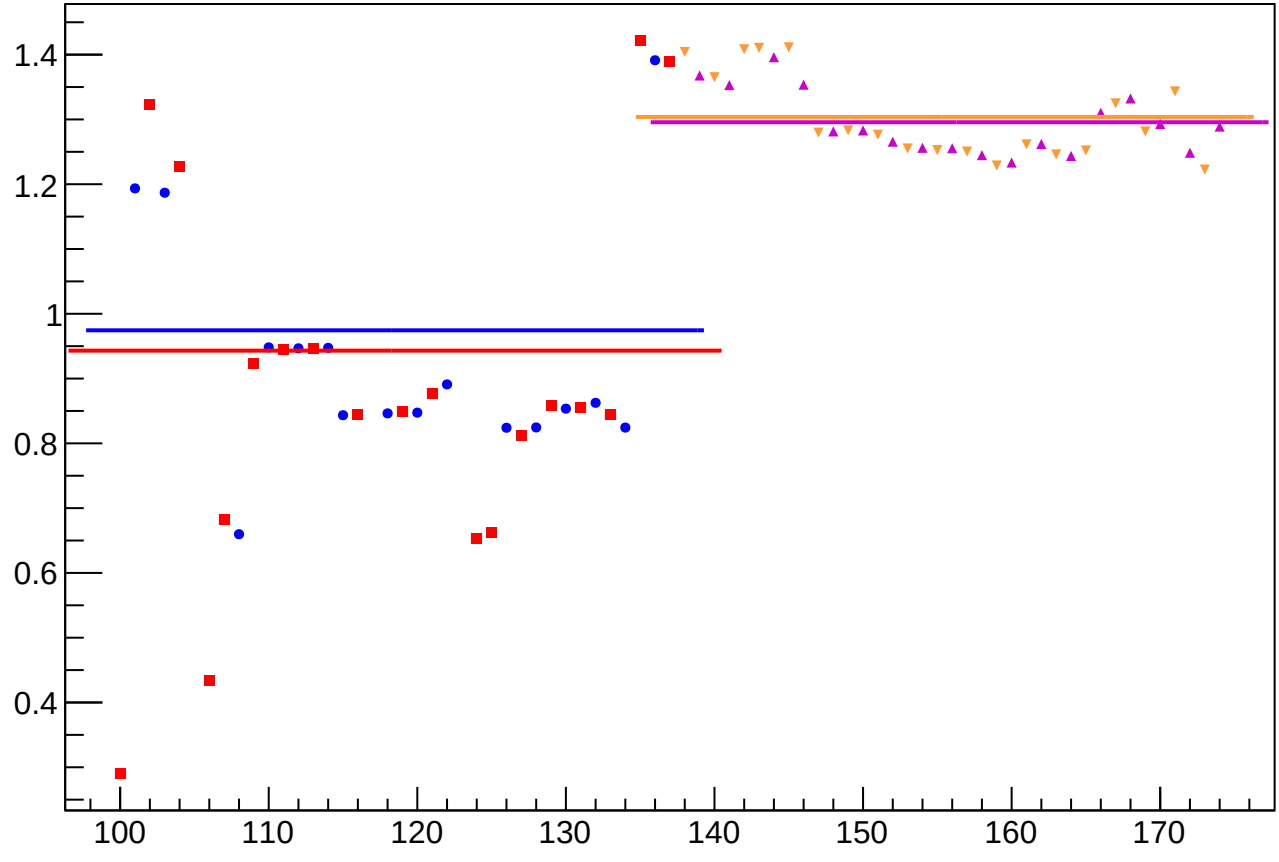
Left In: 0.013+/-0.000 χ^2/NDF:2734068.3/17

+ sign 0.014+/-0.000 χ^2/NDF: 8507502.3/34

All: 0.014+/-0.000 χ^2/NDF: 17502900.3/71

- 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: 1.304+/-0.000 χ^2/NDF:297659639.0/18

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

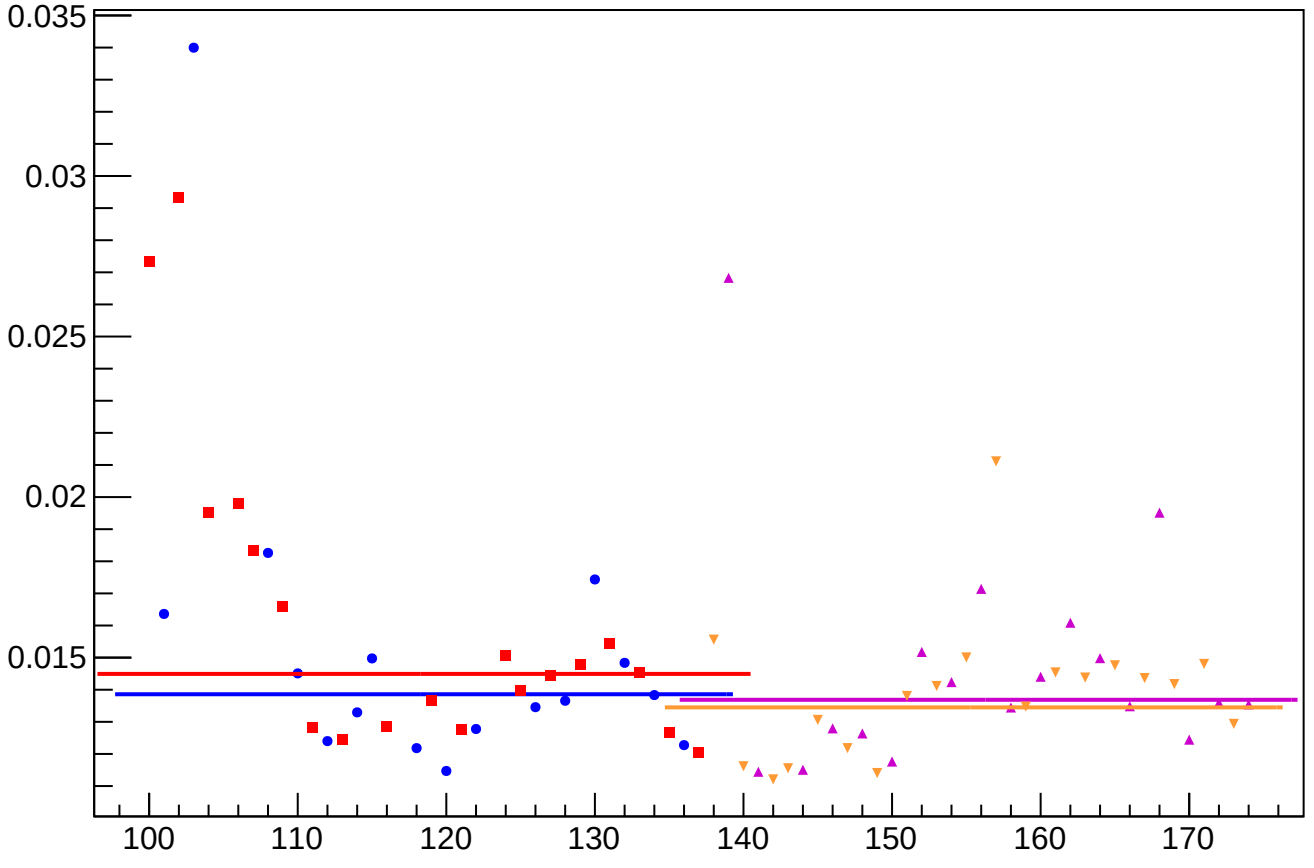
Left In: 1.296+/-0.000 χ^2/NDF:164906608.1/17

+ sign 1.202+/-0.000 χ^2/NDF: 4178690976.9/34

All: 1.195+/-0.000 χ^2/NDF: 8662680525.7/71

- 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:427640.1/18

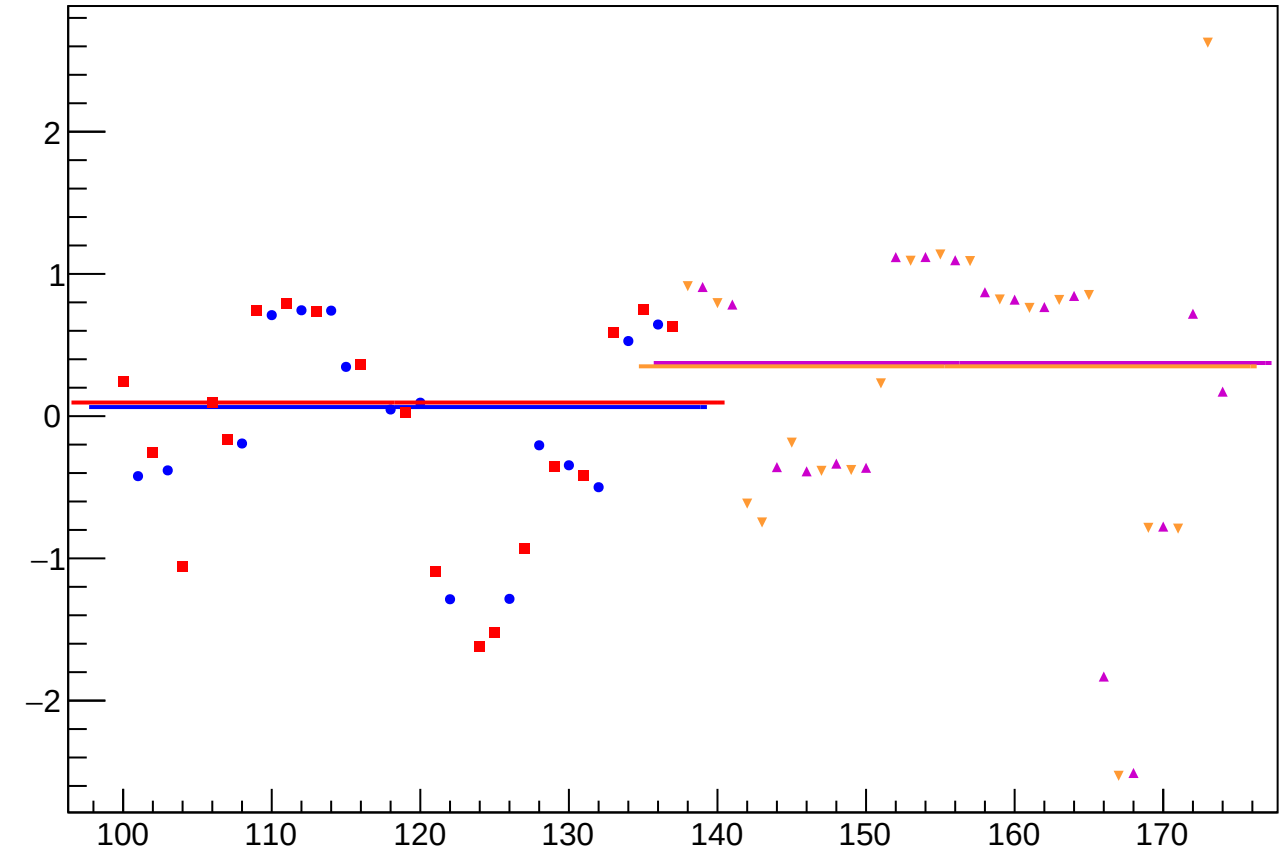
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:842580.6/17

+ sign 0.014+/-0.000 χ^2/NDF: 1035077.3/34

All: 0.014+/-0.000 χ^2/NDF: 2462496.6/71

- sign 0.014+/-0.000 χ^2/NDF: 1414538.7/36



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.350+/-0.000 χ^2/NDF:99845679768.5/18

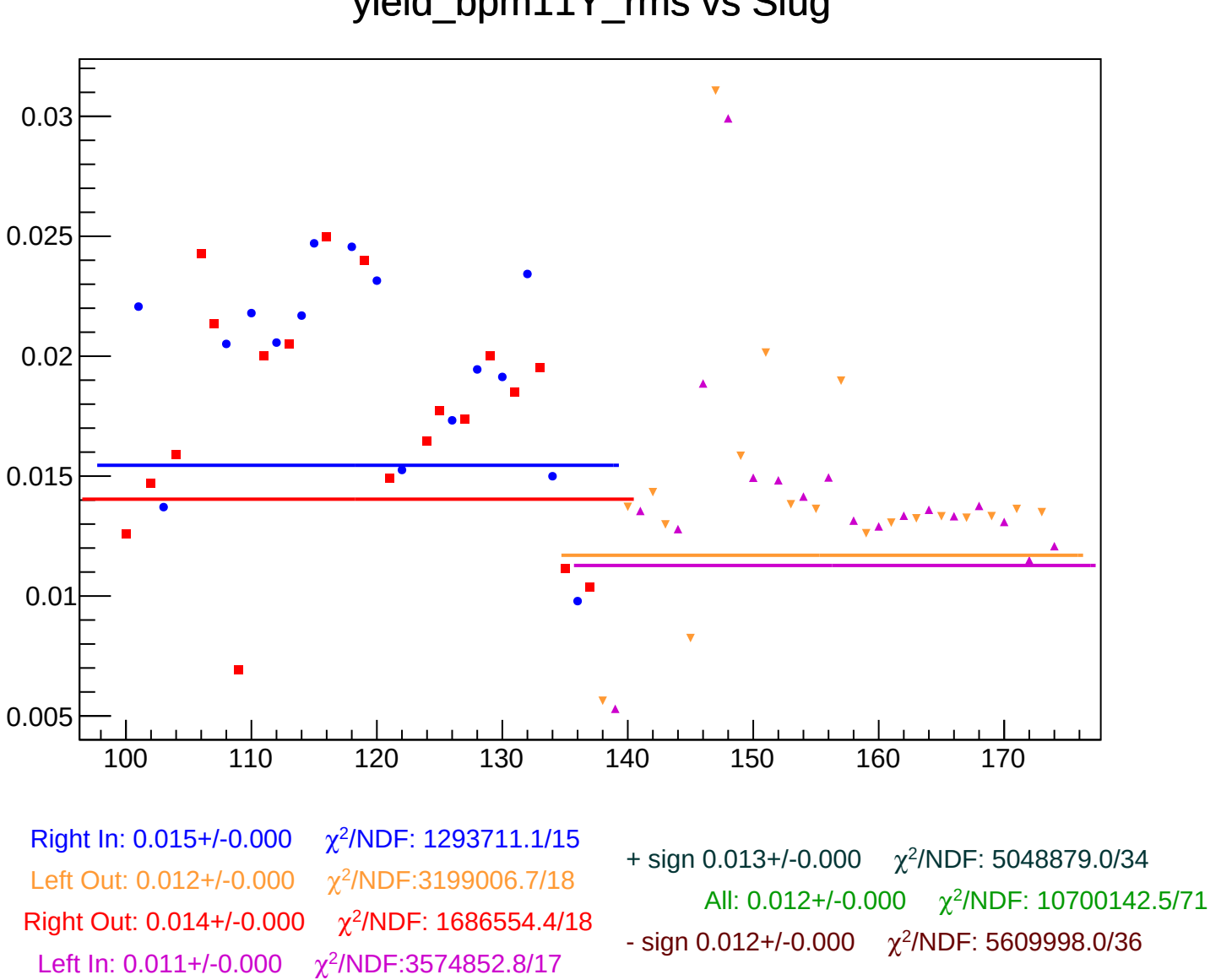
Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.374+/-0.000 χ^2/NDF:84371949943.9/17

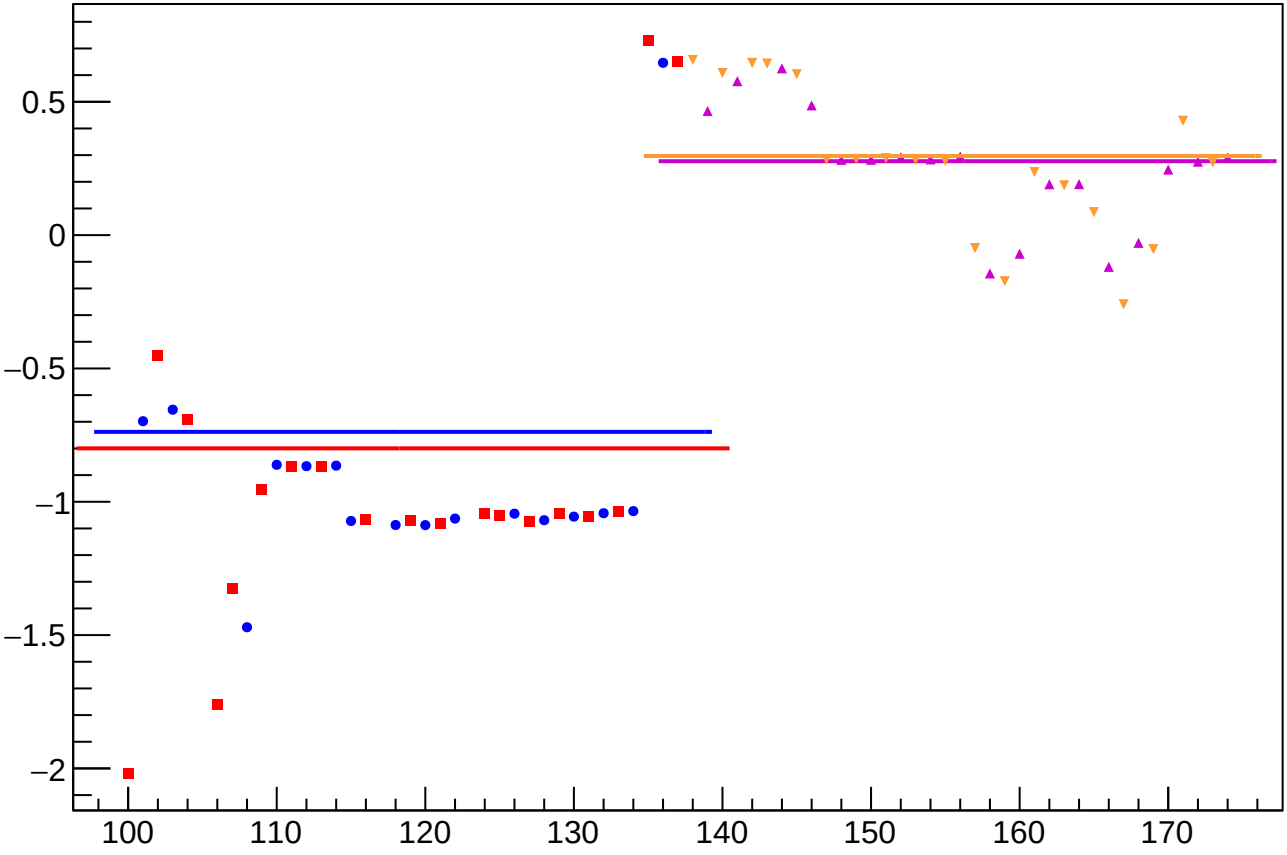
+ sign 0.289+/-0.000 χ^2/NDF: 112502297352.7/34

All: 0.299+/-0.000 χ^2/NDF: 216444635949.3

- sign 0.308+/-0.000 χ^2/NDF: 103918818708.1/36


yield_bpm11Y_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: 0.015+/-0.000 χ²/NDF: 1293711.1/15
Left Out: 0.012+/-0.000 χ²/NDF:3199006.7/18
Right Out: 0.014+/-0.000 χ²/NDF: 1686554.4/18
Left In: 0.011+/-0.000 χ²/NDF:3574852.8/17
+ sign 0.013+/-0.000 χ²/NDF: 5048879.0/34
All: 0.012+/-0.000 χ²/NDF: 10700142.5/71
- sign 0.012+/-0.000 χ²/NDF: 5609998.0/36

yield_bpm12X_mean vs Slug



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.297+/-0.000 χ^2/NDF:747572644.7/18

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

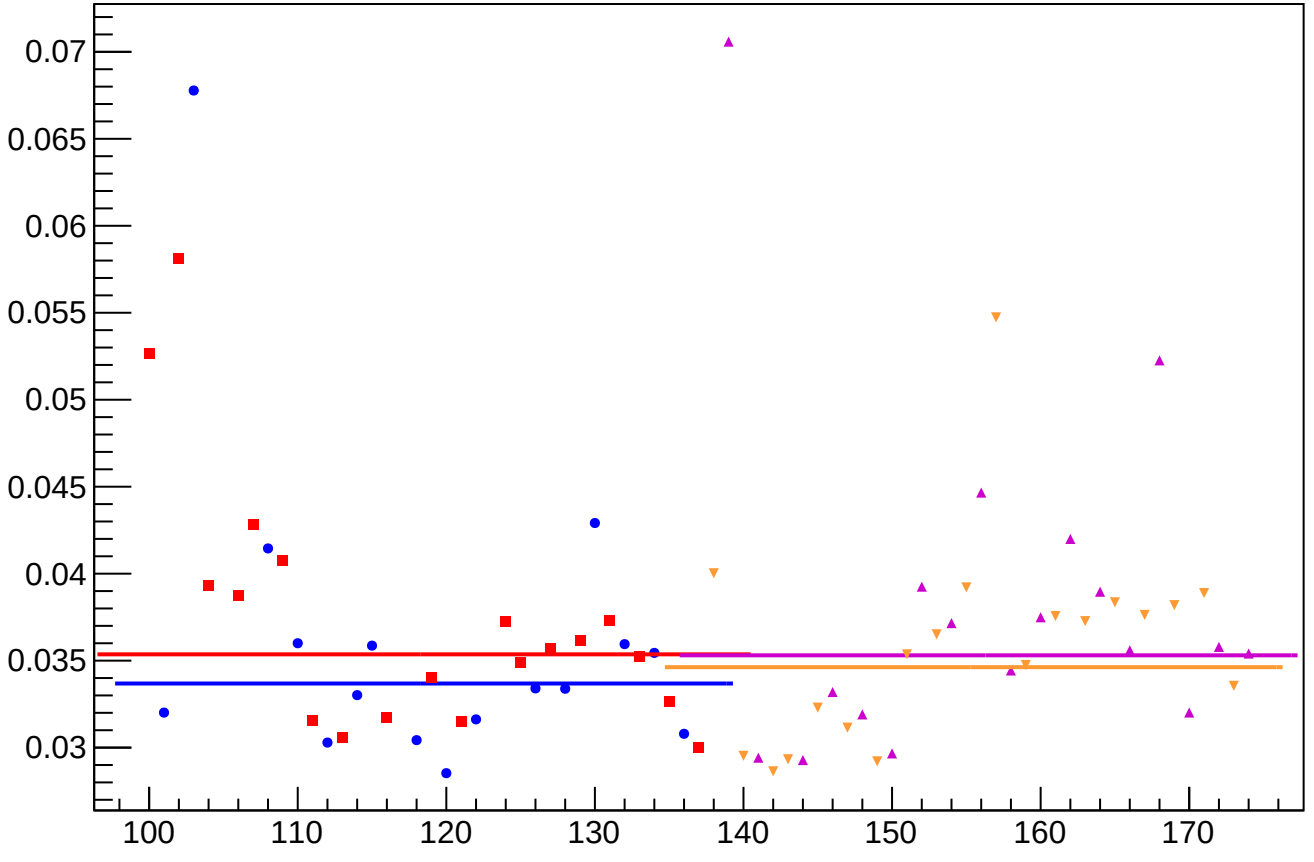
Left In: 0.277+/-0.000 χ^2/NDF:501906698.5/17

+ sign -0.055+/-0.000 χ^2/NDF: 6742913882.7/34

All: -0.068+/-0.000 χ^2/NDF: 13136627092.9/

- 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:482367.4/18

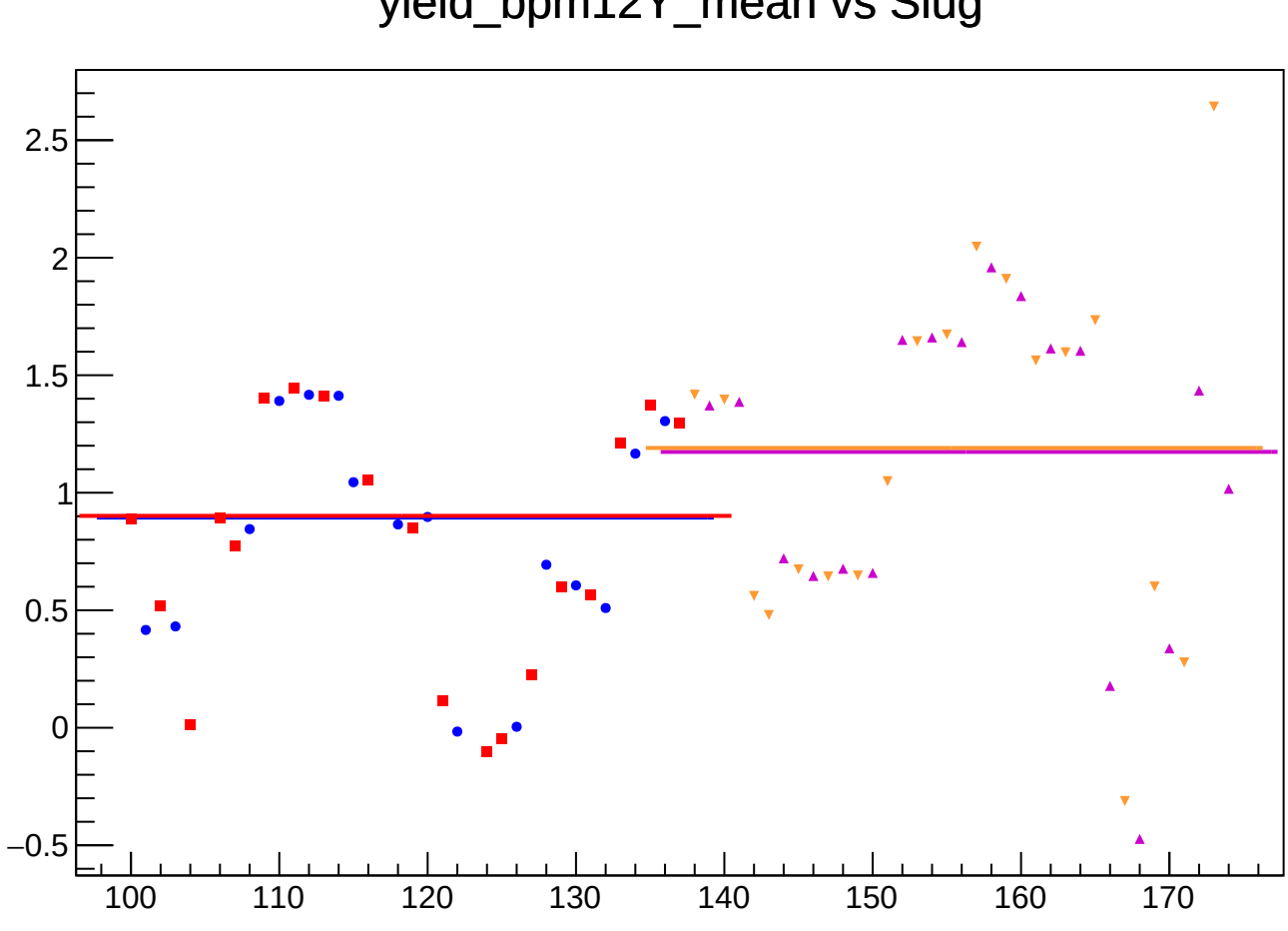
Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.035+/-0.000 χ^2/NDF:929409.6/17

+ sign 0.034+/-0.000 χ^2/NDF: 909070.1/34

All: 0.035+/-0.000 χ^2/NDF: 2151403.4/71

- sign 0.035+/-0.000 χ^2/NDF: 1225785.3/36



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.190+/-0.000 χ^2/NDF:85272260586.2/18

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

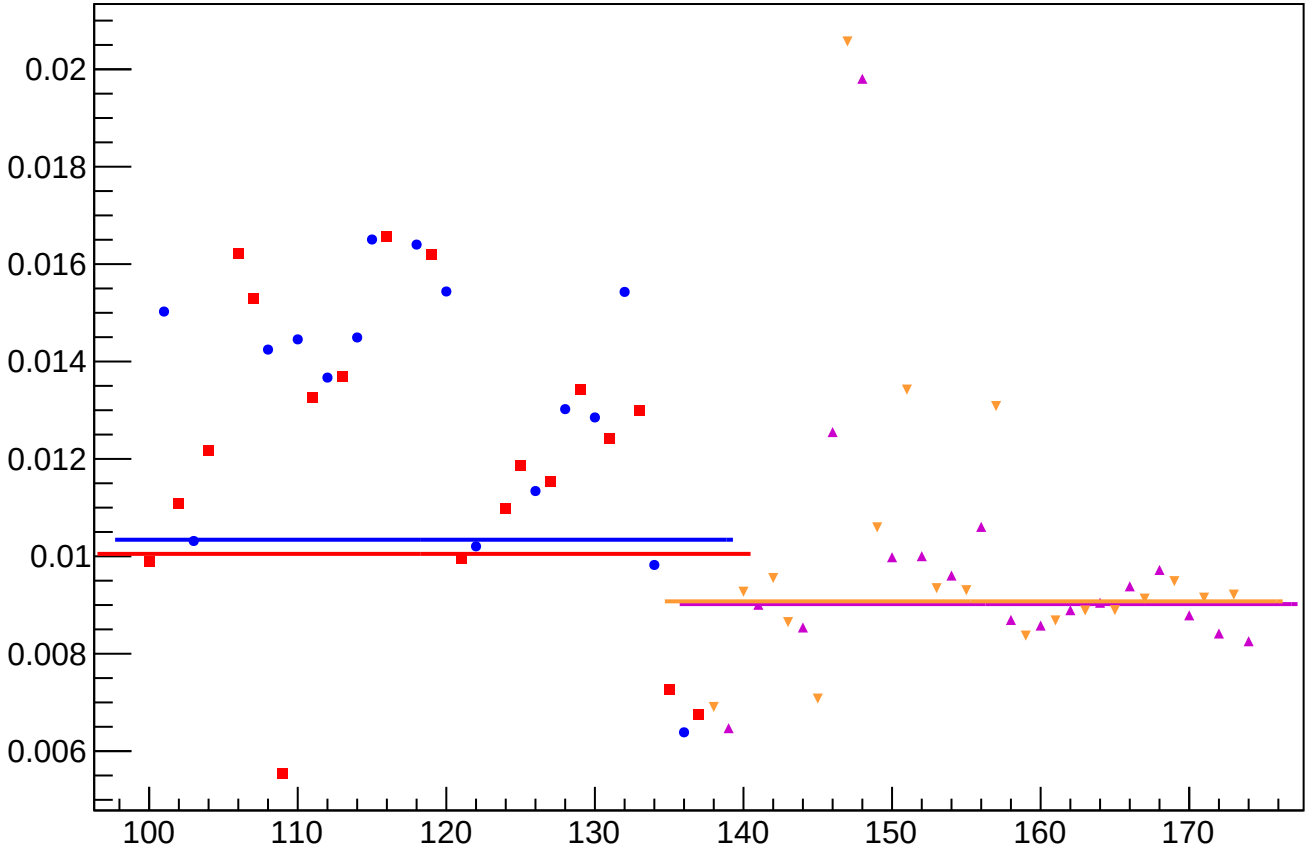
Left In: 1.174+/-0.000 χ^2/NDF:66083434375.5/17

+ sign 1.116+/-0.000 χ^2/NDF: 101692260485.3/34

All: 1.109+/-0.000 χ^2/NDF: 188981654107.6

- 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:1127738.0/18

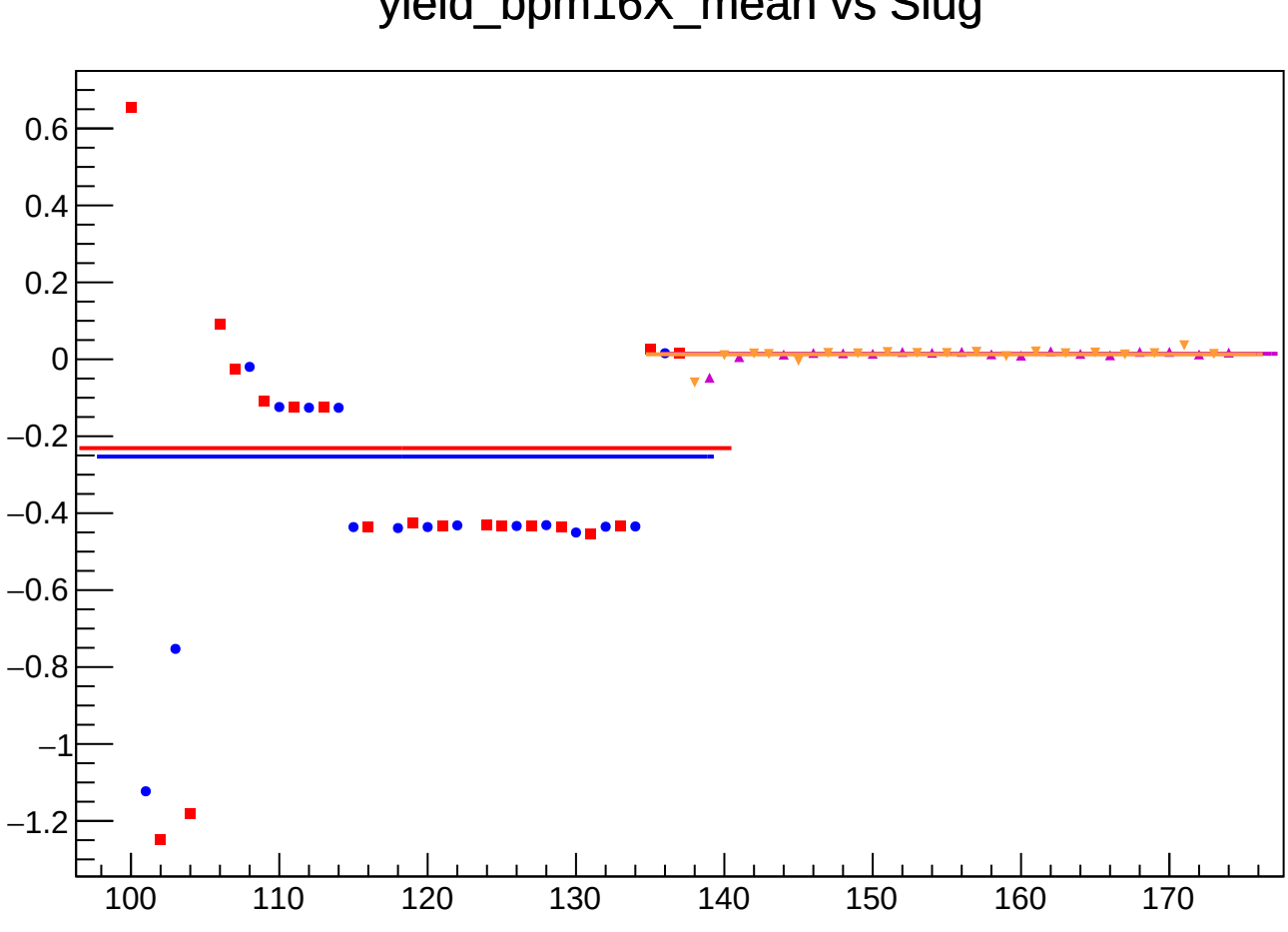
Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:952226.9/17

+ sign 0.009+/-0.000 χ^2/NDF: 2612124.1/34

All: 0.009+/-0.000 χ^2/NDF: 4997786.8/71

- 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:27366854.4/18

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

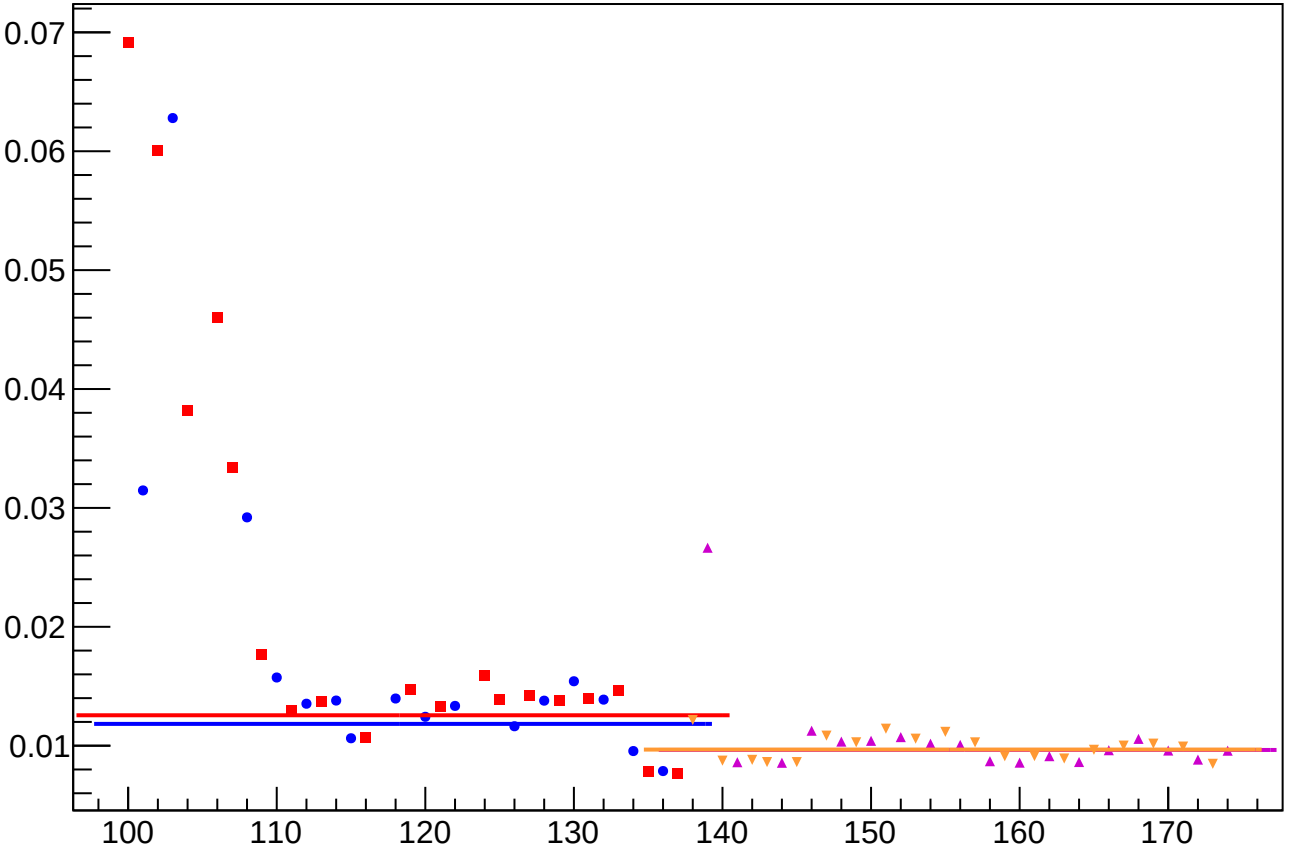
Left In: 0.014+/-0.000 χ^2/NDF:6807457.6/17

+ sign -0.043+/-0.000 χ^2/NDF: 4037572049.8/34

All: -0.038+/-0.000 χ^2/NDF: 7400613685.0/7

- 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:253928.9/18

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

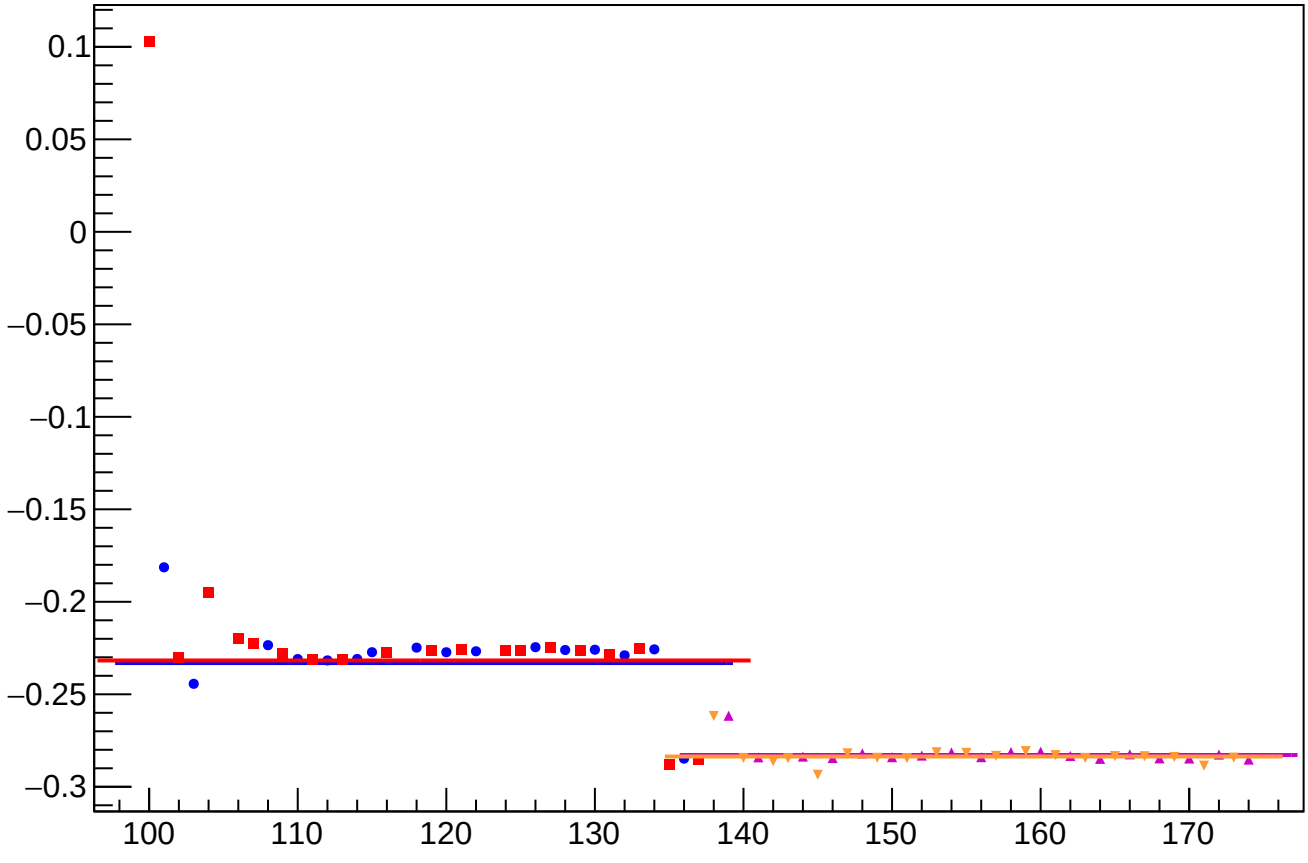
Left In: 0.010+/-0.000 χ^2/NDF:868126.7/17

+ sign 0.010+/-0.000 χ^2/NDF: 2458487.3/34

All: 0.010+/-0.000 χ^2/NDF: 5981047.9/71

- 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:15832891.7/18

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

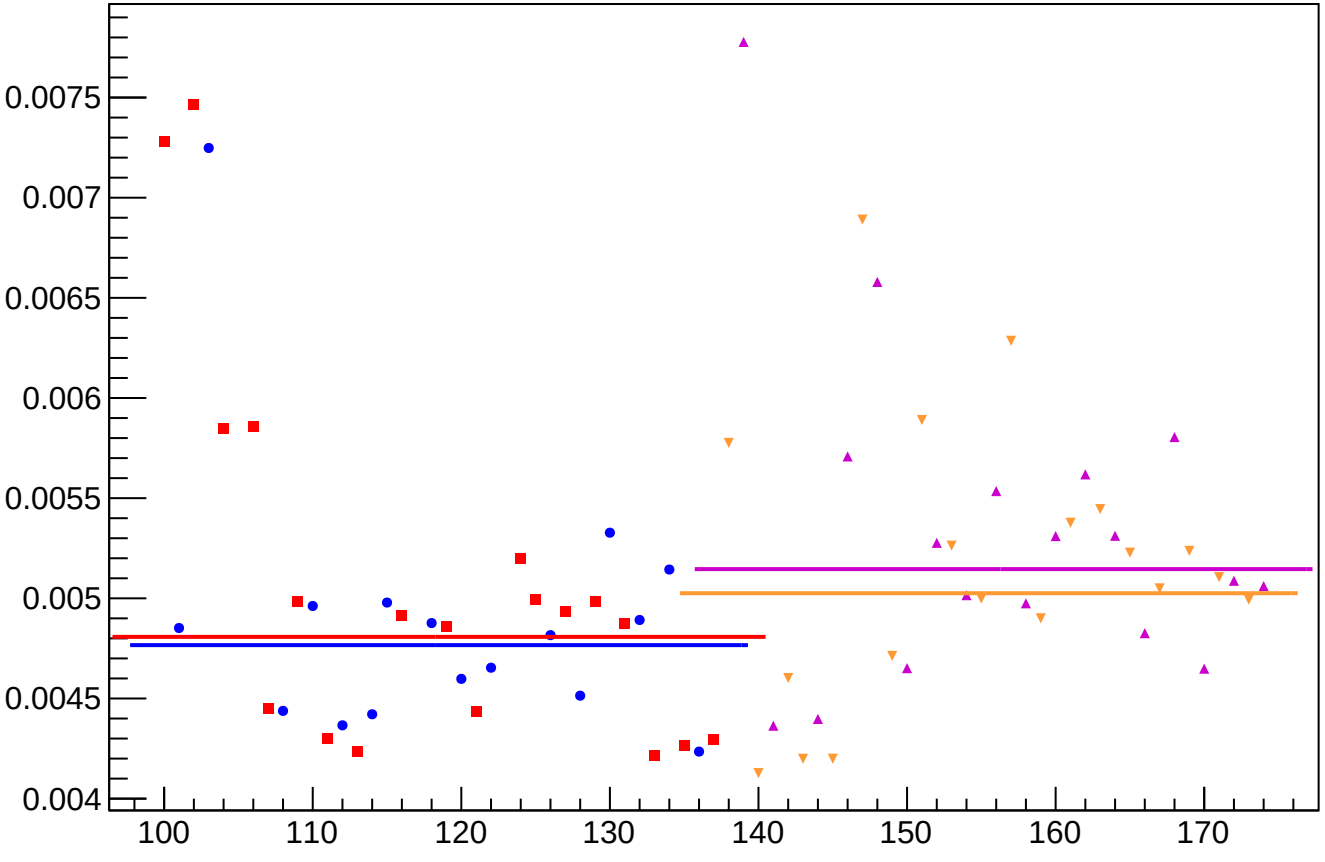
Left In: -0.283+/-0.000 χ^2/NDF:6978695.1/17

+ sign -0.266+/-0.000 χ^2/NDF: 692670104.3/34

All: -0.266+/-0.000 χ^2/NDF: 1475872159.8/7

- 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:456487.9/18

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

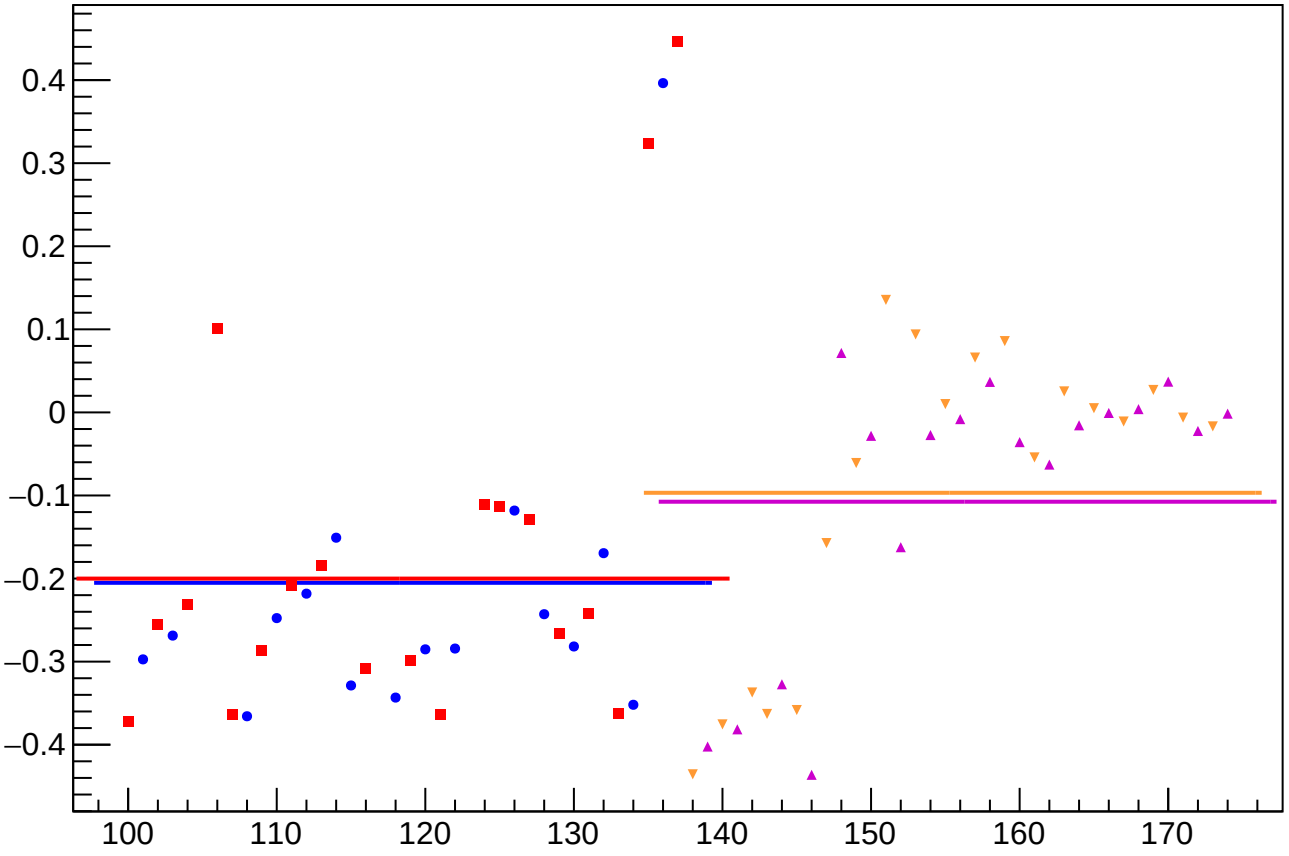
Left In: 0.005+/-0.000 χ^2/NDF:463838.9/17

+ sign 0.005+/-0.000 χ^2/NDF: 673380.6/34

All: 0.005+/-0.000 χ^2/NDF: 1480036.5/71

- sign 0.005+/-0.000 χ^2/NDF: 800296.5/36

yield_bpm0i02X_mean vs Slug



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.097+/-0.000 χ^2/NDF:16098715034.4/18

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

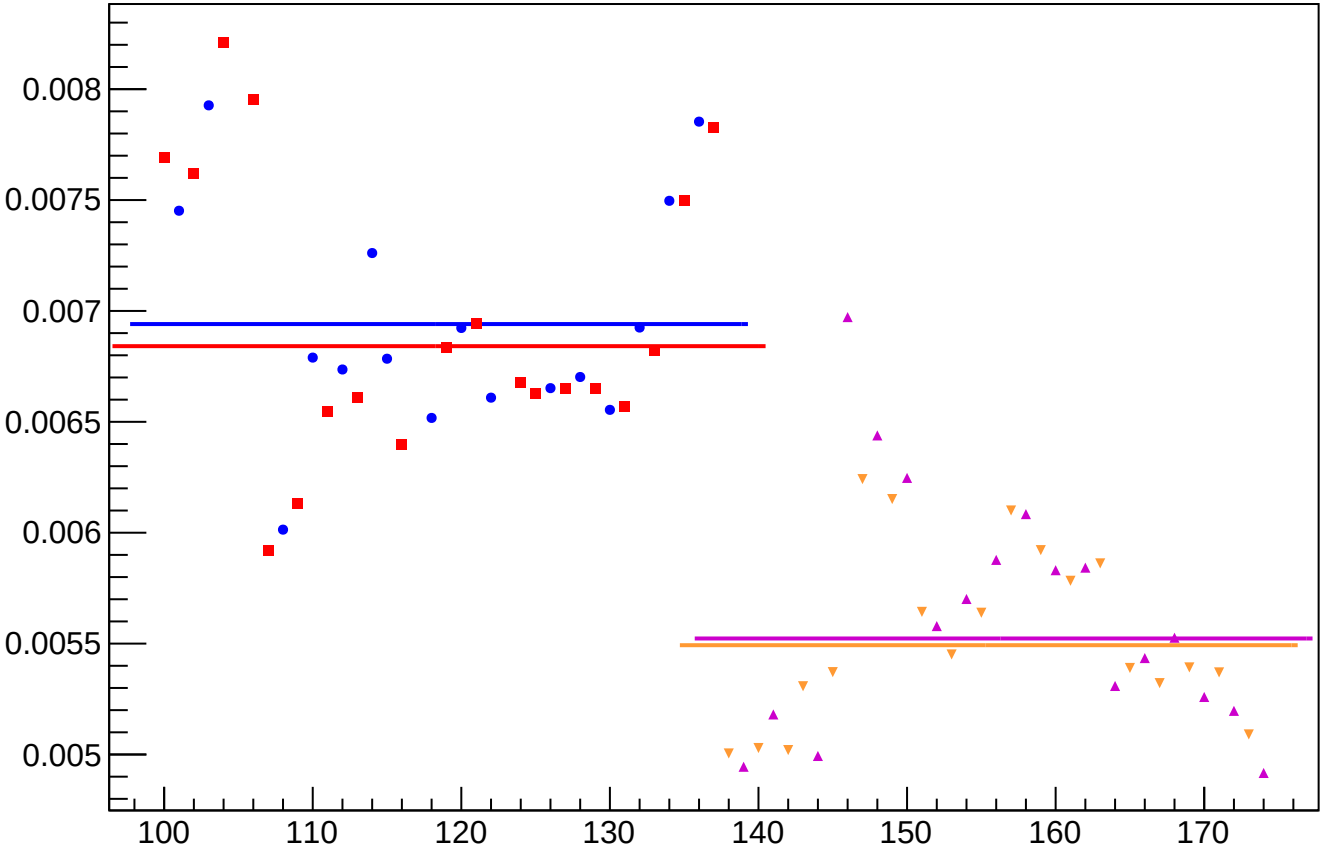
Left In: -0.108+/-0.000 χ^2/NDF:12277878047.3/17

+ sign -0.123+/-0.000 χ^2/NDF: 23594815676.6/34

All: -0.127+/-0.000 χ^2/NDF: 42130230067.9/

- 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:125112.9/18

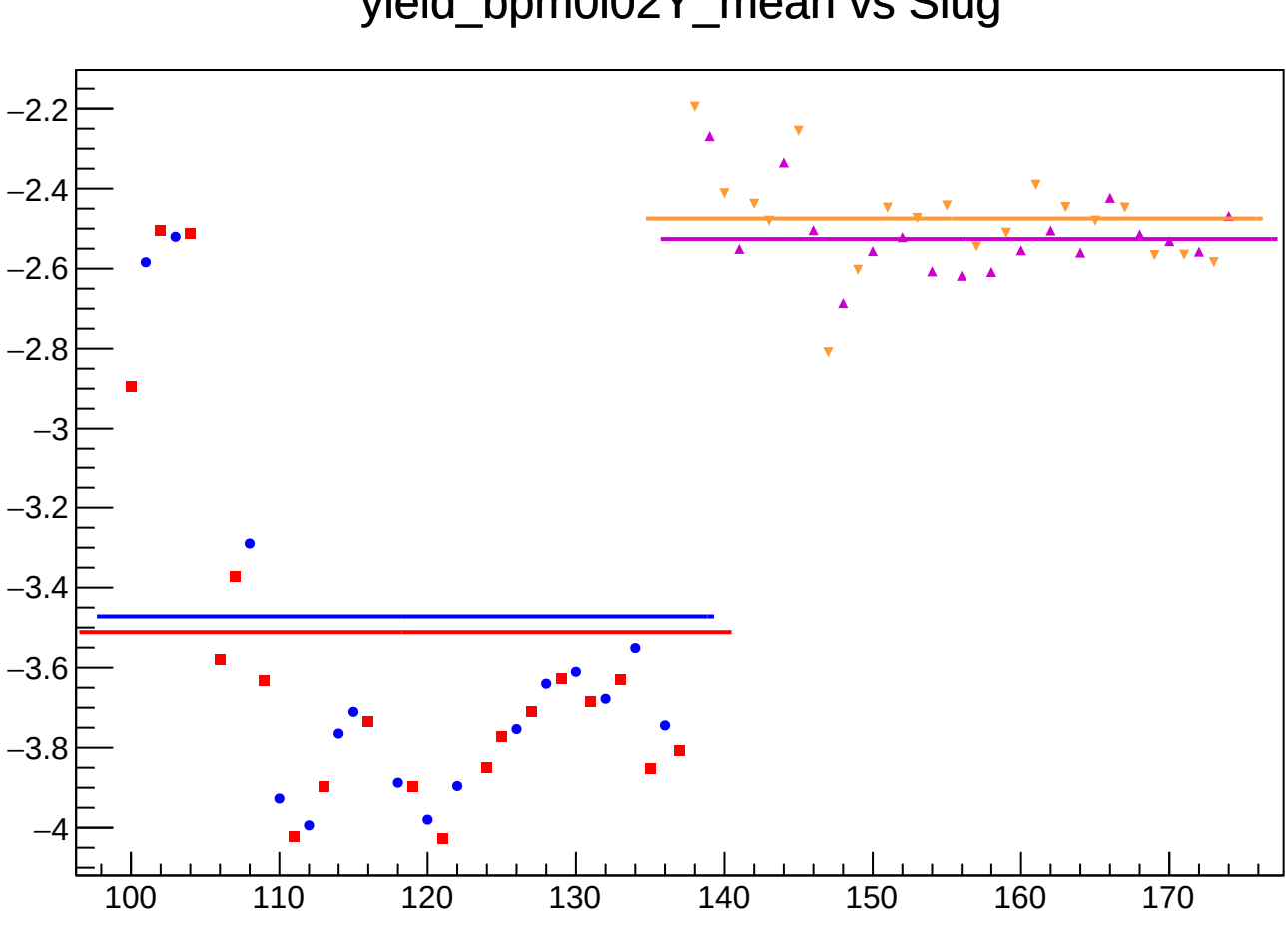
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:229975.8/17

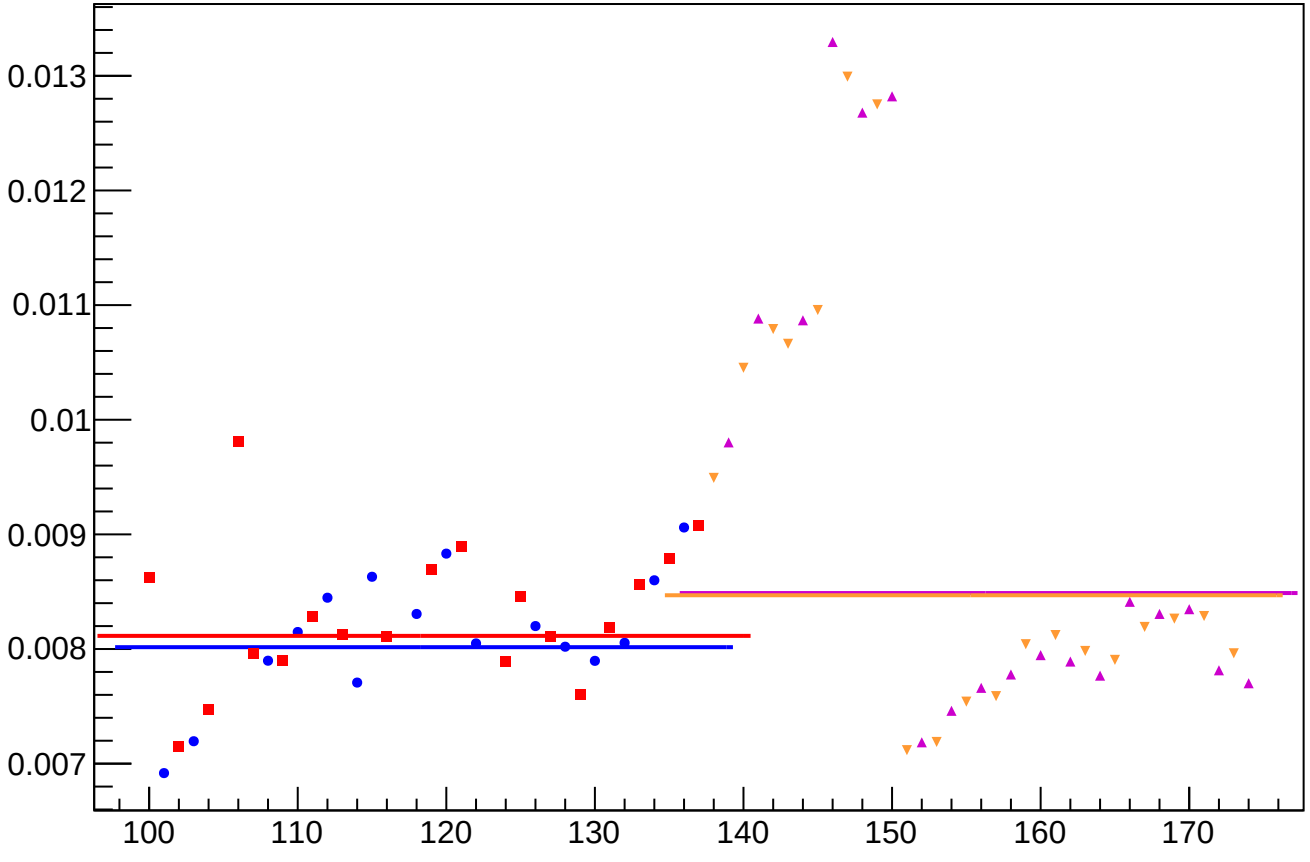
+ sign 0.006+/-0.000 χ^2/NDF: 676978.9/34

All: 0.006+/-0.000 χ^2/NDF: 1407189.6/71

- sign 0.006+/-0.000 χ^2/NDF: 729985.6/36


yield_bpm0i02Y_mean vs Slug
−2.2
−2.4
−2.6
−2.8
−3
−3.2
−3.4
−3.6
−3.8
−4
100
110
120
130
140
150
160
170
Right In: -3.472+/-0.000 χ²/NDF: 29592353445.4/15
Left Out: -2.475+/-0.000 χ²/NDF:2038918482.8/18
Right Out: -3.511+/-0.000 χ²/NDF: 29716501733.6/18
Left In: -2.526+/-0.000 χ²/NDF:1454133752.2/17
+ sign -2.834+/-0.000 χ²/NDF: 100808467794.5/34
All: -2.859+/-0.000 χ²/NDF: 19922049328
- sign -2.883+/-0.000 χ²/NDF: 98055276310.1/36

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:755585.0/18

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

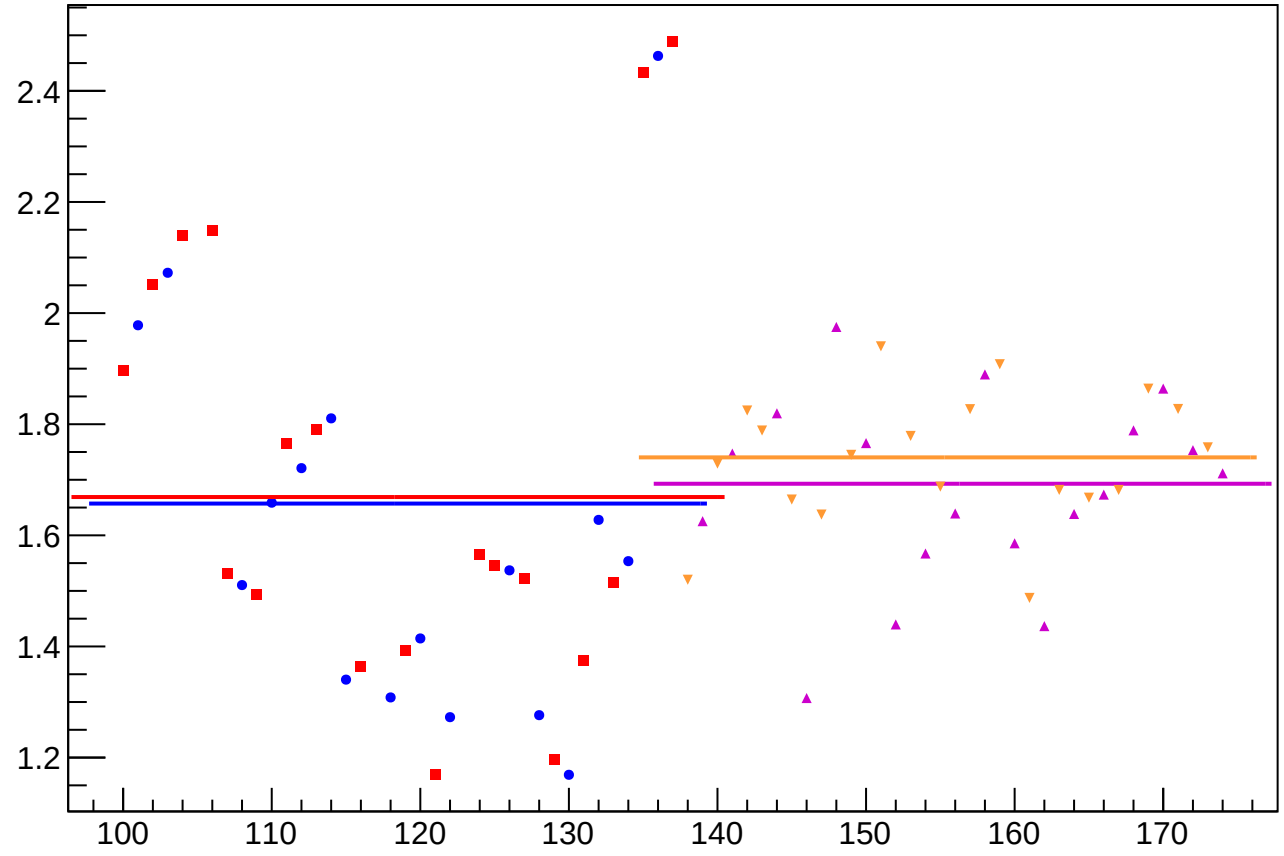
Left In: 0.008+/-0.000 χ^2/NDF:884477.1/17

+ sign 0.008+/-0.000 χ^2/NDF: 870342.1/34

All: 0.008+/-0.000 χ^2/NDF: 1845781.9/71

- 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:1515603537.6/18

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

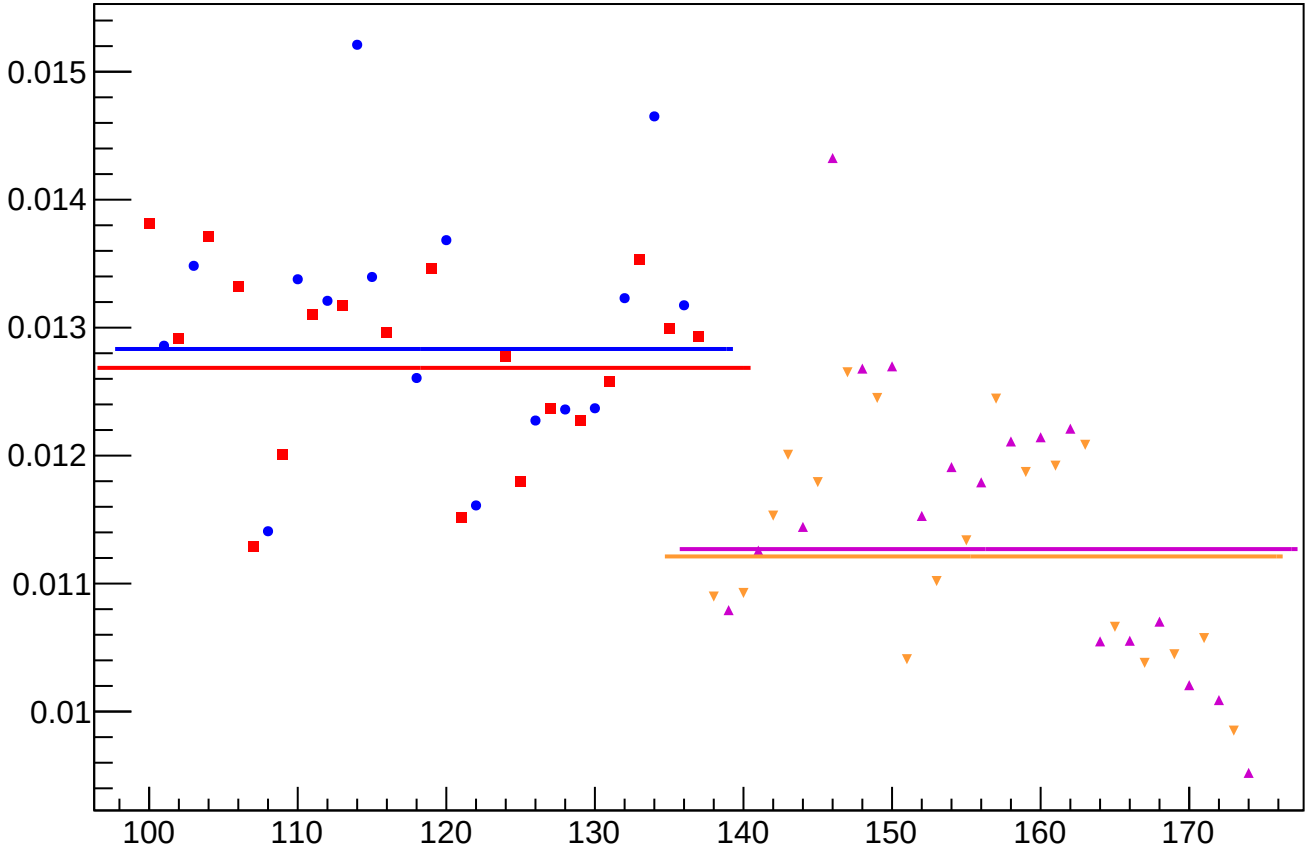
Left In: 1.693+/-0.000 χ^2/NDF:2560254246.5/17

+ sign 1.718+/-0.000 χ^2/NDF: 8395732625.1/34

All: 1.702+/-0.000 χ^2/NDF: 17409587940.9/7

- 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:149088.7/18

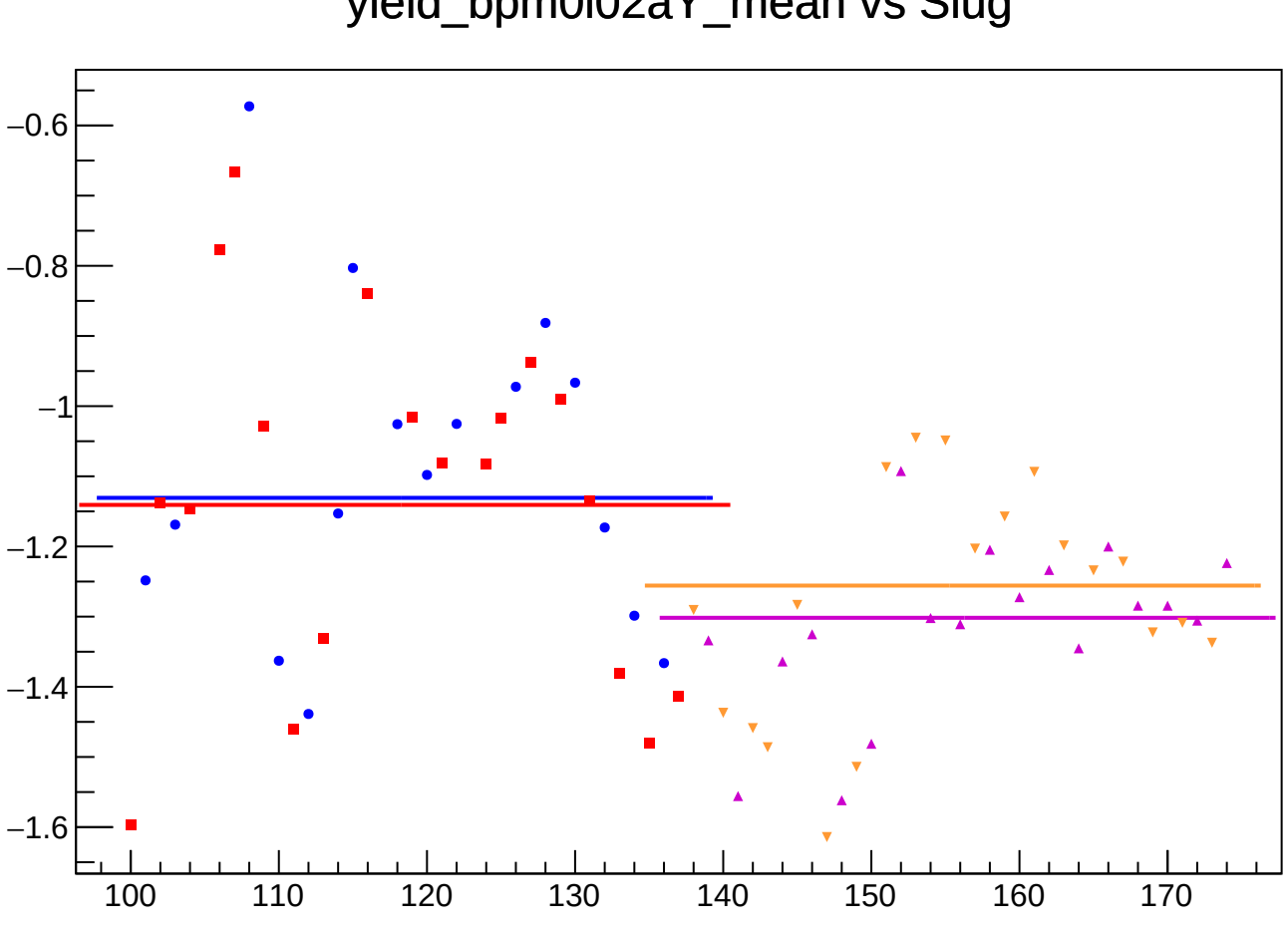
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:260140.2/17

+ sign 0.012+/-0.000 χ^2/NDF: 364333.9/34

All: 0.012+/-0.000 χ^2/NDF: 795579.2/71

- 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: -1.256+/-0.000 χ^2/NDF:4608276297.7/18

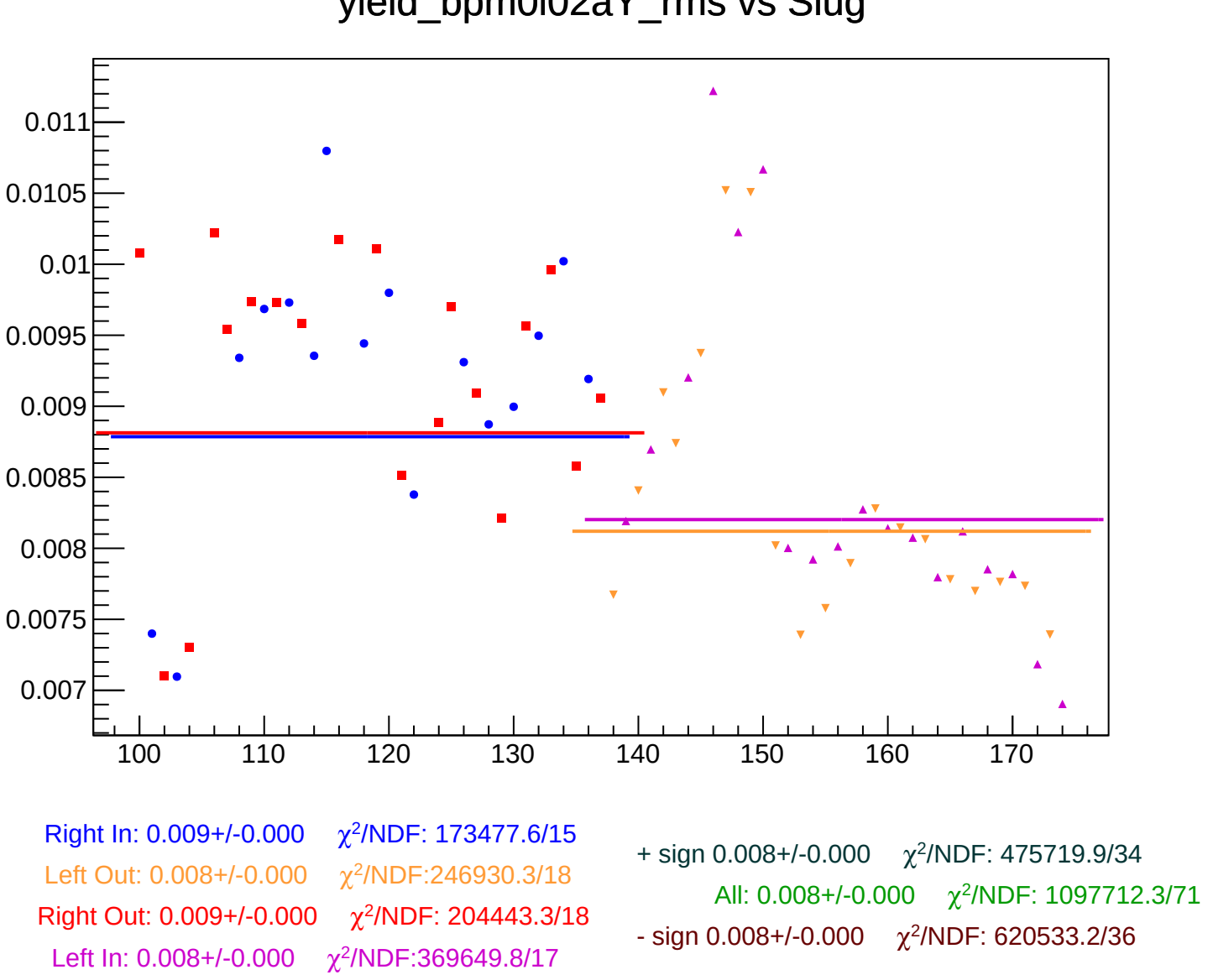
Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

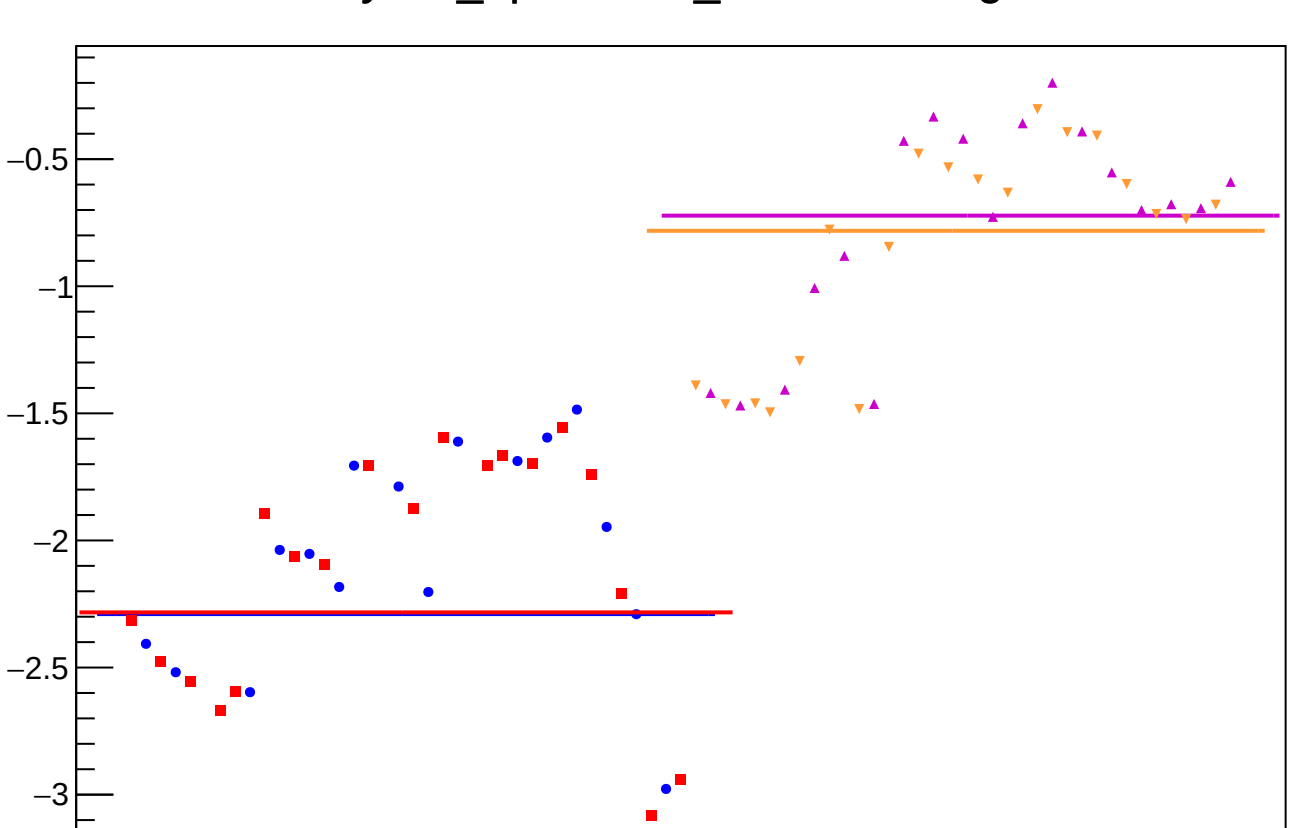
Left In: -1.302+/-0.000 χ^2/NDF:2399861086.9/17

+ sign -1.219+/-0.000 χ^2/NDF: 9374055420.7/34

All: -1.236+/-0.000 χ^2/NDF: 17101563728.2/

- sign -1.253+/-0.000 χ^2/NDF: 7554647515.9/36


yield_bpm0i02aY_rms vs Slug
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007
100
110
120
130
140
150
160
170
Right In: 0.009+/-0.000 χ²/NDF: 173477.6/15
Left Out: 0.008+/-0.000 χ²/NDF:246930.3/18
Right Out: 0.009+/-0.000 χ²/NDF: 204443.3/18
Left In: 0.008+/-0.000 χ²/NDF:369649.8/17
+ sign 0.008+/-0.000 χ²/NDF: 475719.9/34
All: 0.008+/-0.000 χ²/NDF: 1097712.3/71
- sign 0.008+/-0.000 χ²/NDF: 620533.2/36



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.782+/-0.000 χ^2/NDF:32877372320.5/18

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

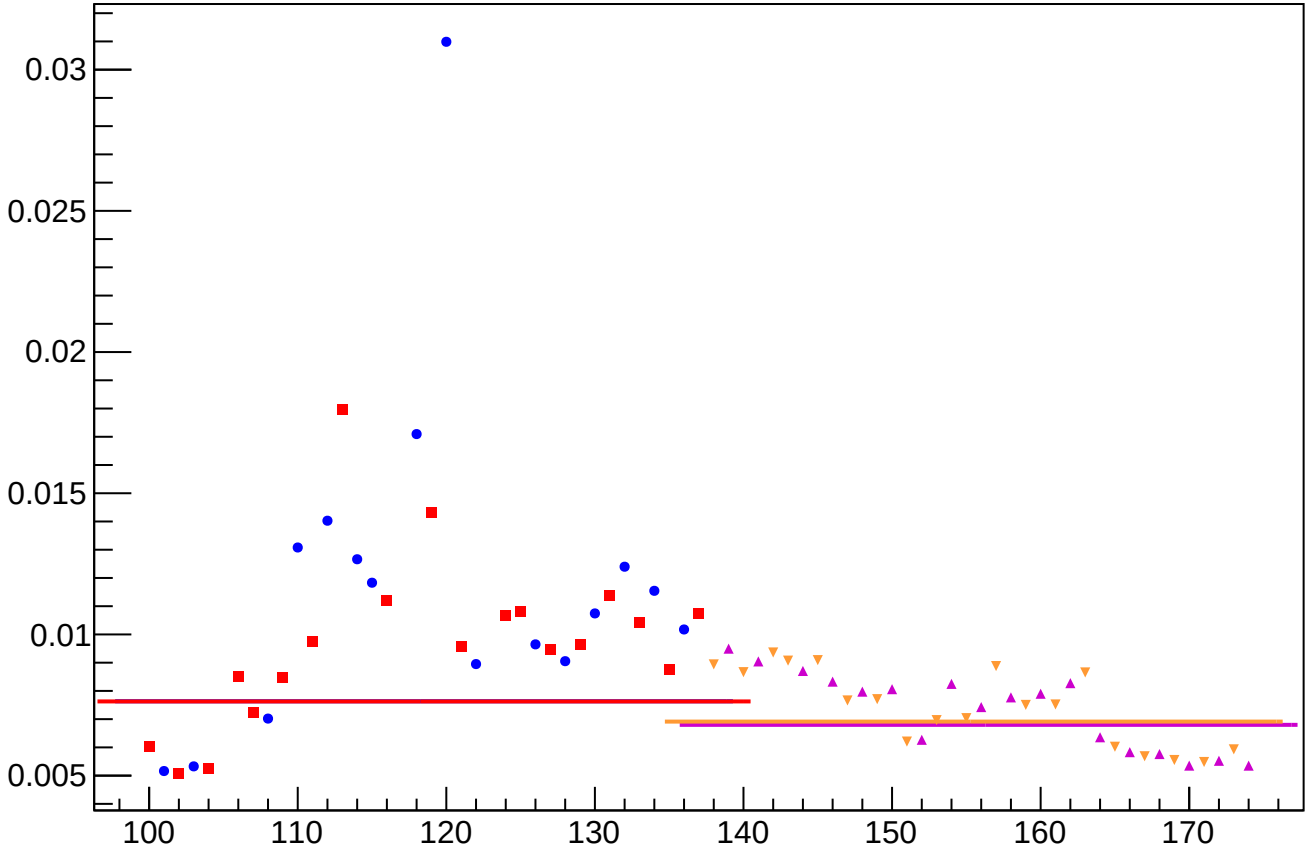
Left In: -0.722+/-0.000 χ^2/NDF:33314774522.6/17

+ sign -1.154+/-0.000 χ^2/NDF: 197540994633.1/34

All: -1.139+/-0.000 χ^2/NDF: 420210660221.2

- 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:867851.2/18

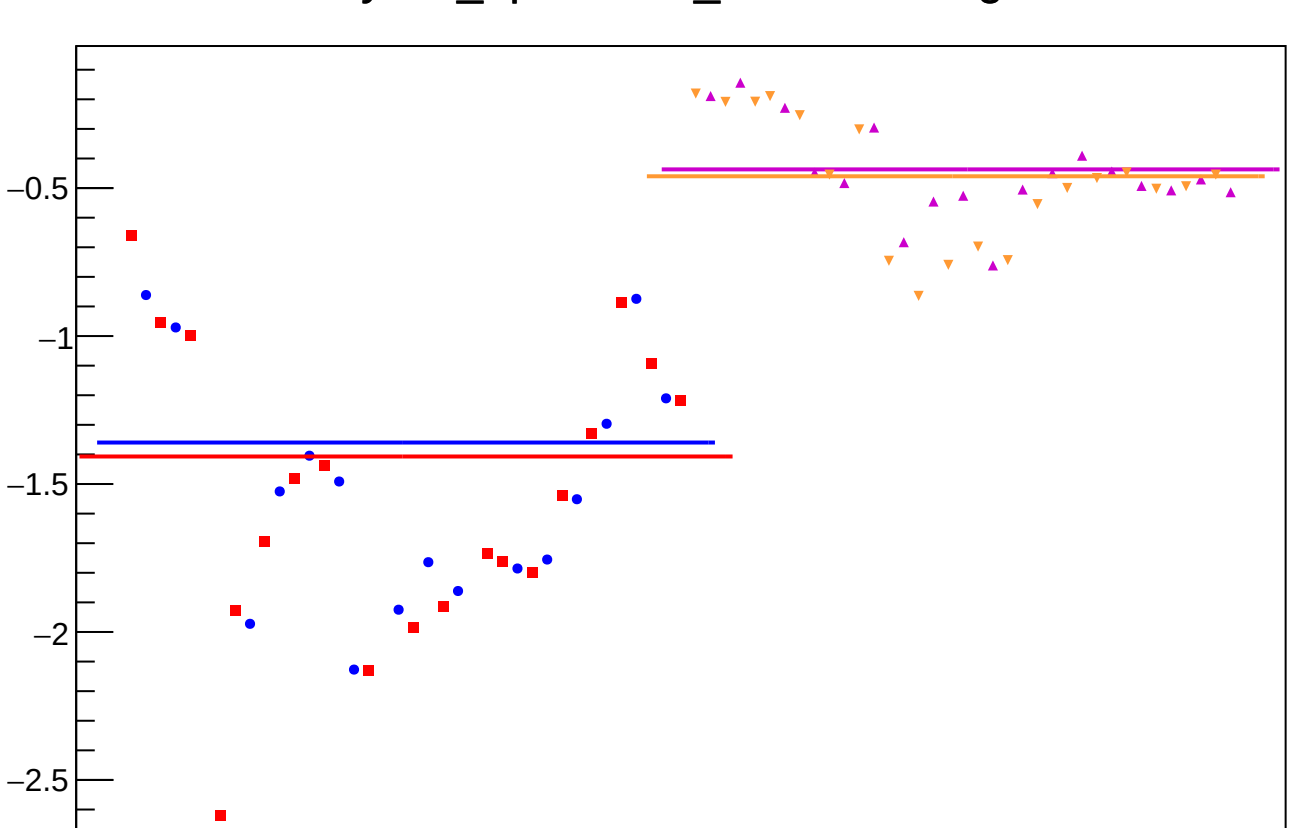
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:983596.1/17

+ sign 0.007+/-0.000 χ^2/NDF: 2646685.4/34

All: 0.007+/-0.000 χ^2/NDF: 5047502.4/71

- 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: -0.460+/-0.000 χ^2/NDF:28039871994.8/18

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

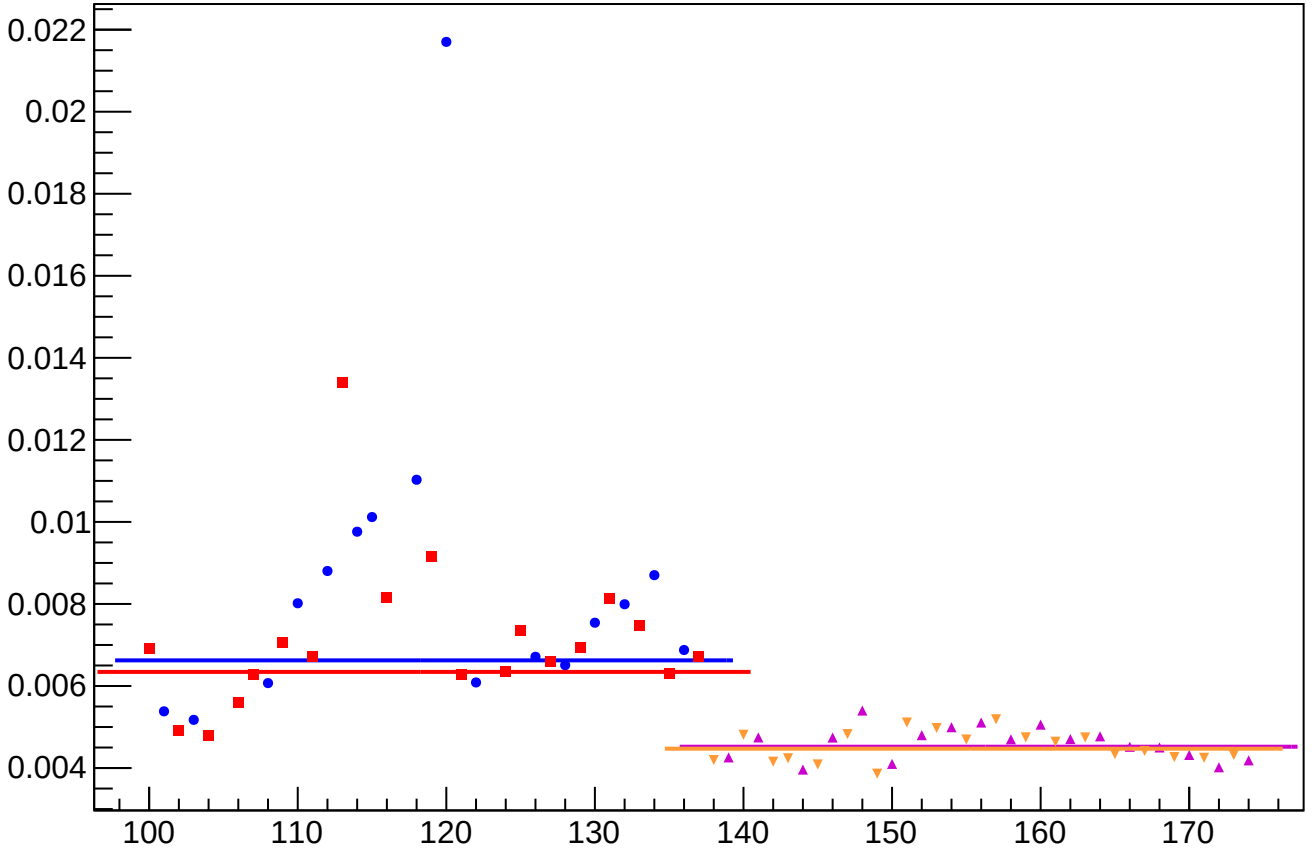
Left In: -0.437+/-0.000 χ^2/NDF:16421129668.6/17

+ sign -0.607+/-0.000 χ^2/NDF: 138901765707.4/34

All: -0.613+/-0.000 χ^2/NDF: 301422390129.7

- 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:169663.4/18

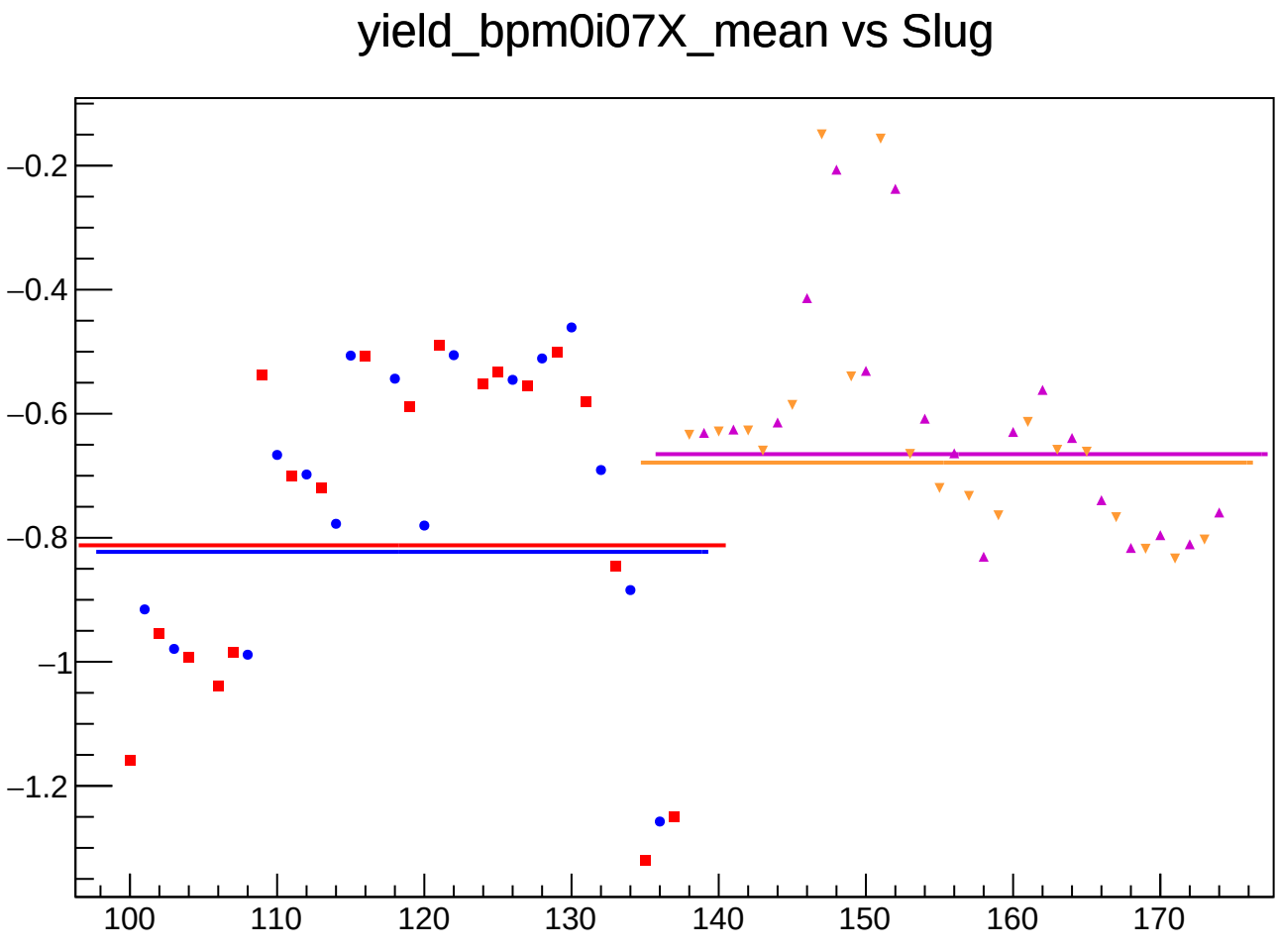
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:197766.5/17

+ sign 0.005+/-0.000 χ^2/NDF: 1887315.5/34

All: 0.005+/-0.000 χ^2/NDF: 3436514.2/71

- 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: -0.679+/-0.000 χ^2/NDF:21973232565.0/18

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

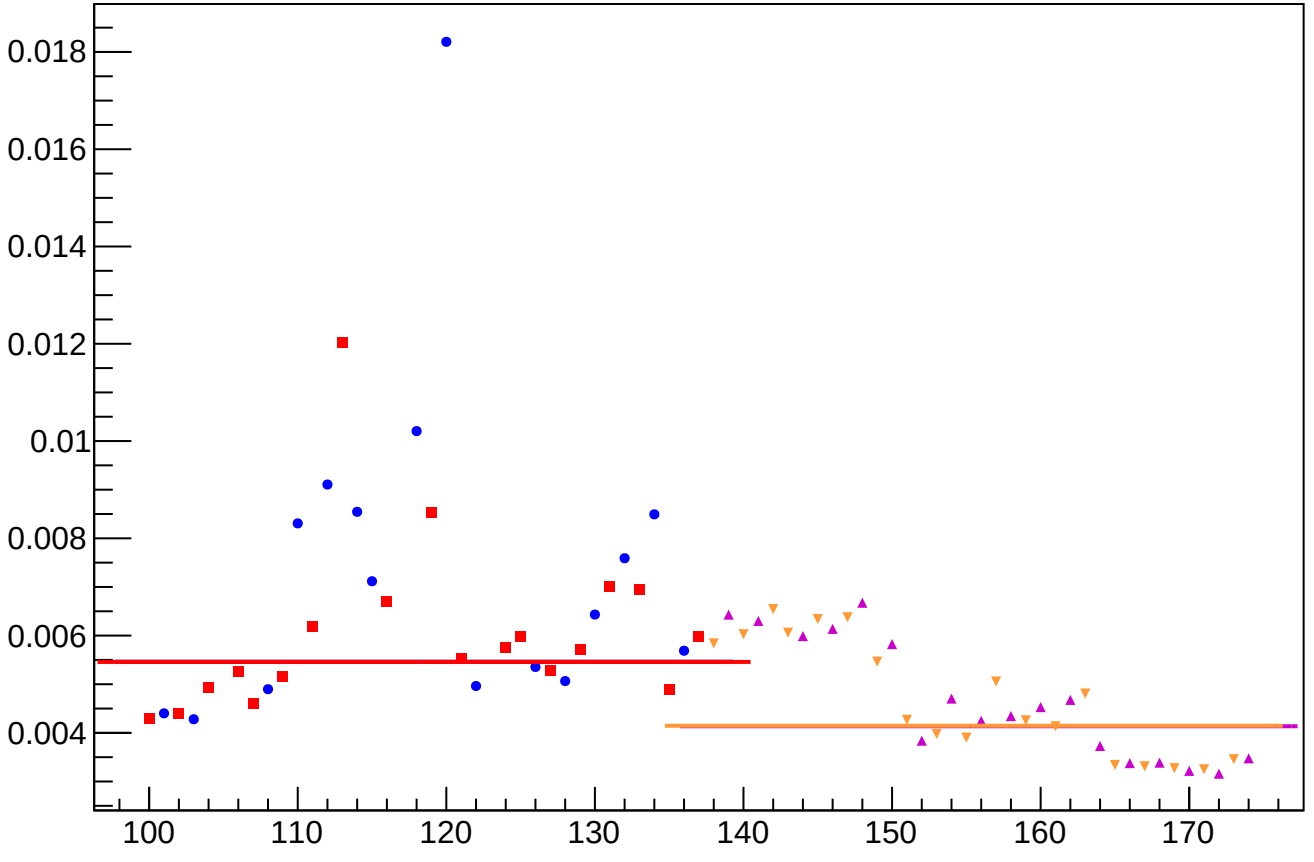
Left In: -0.665+/-0.000 χ^2/NDF:22379226702.0/17

+ sign -0.708+/-0.000 χ^2/NDF: 37254921096.1/34

All: -0.702+/-0.000 χ^2/NDF: 77931891277.8/

- 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:1472245.1/18

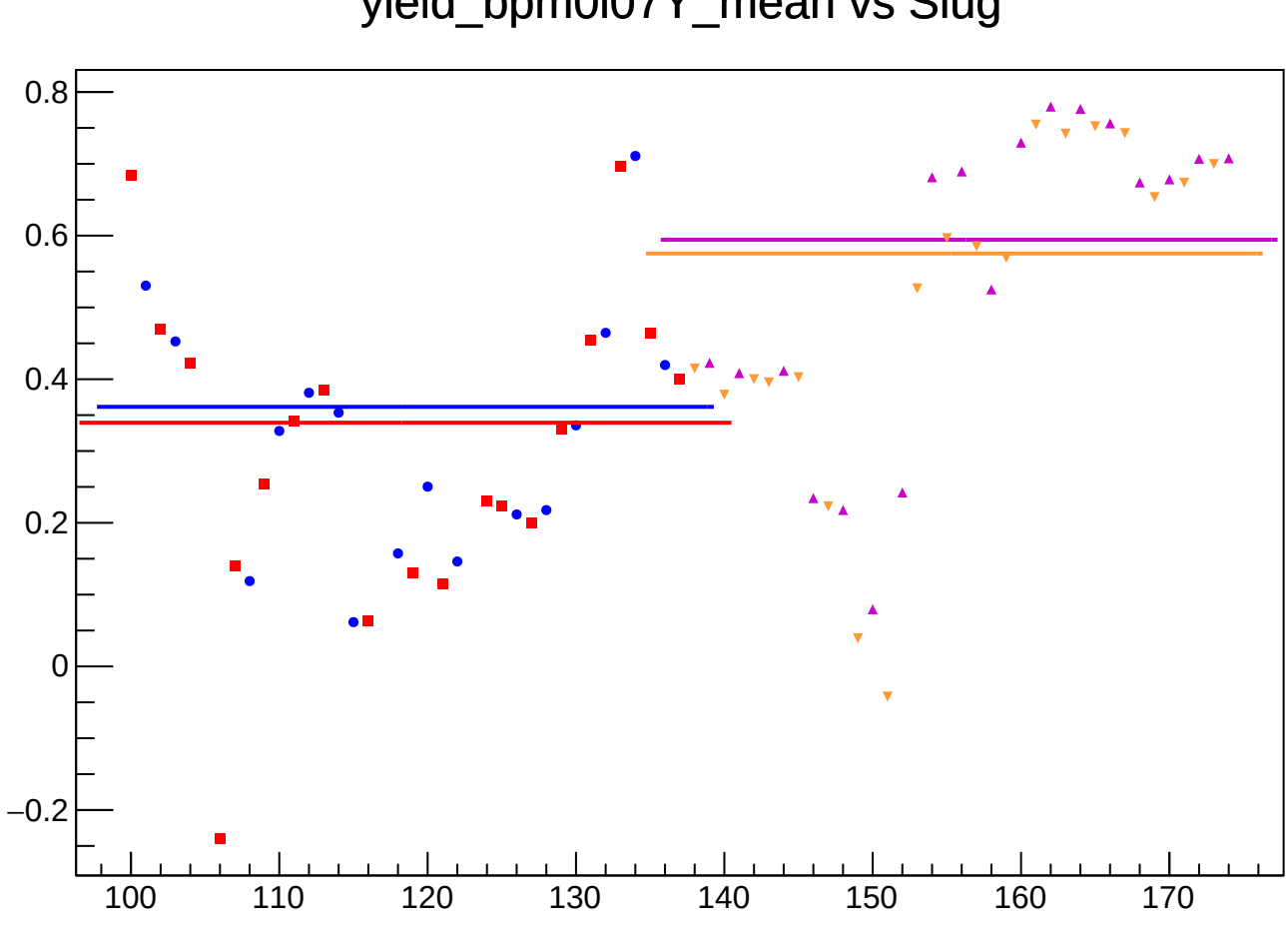
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1602733.5/17

+ sign 0.004+/-0.000 χ^2/NDF: 2944737.0/34

All: 0.004+/-0.000 χ^2/NDF: 5608705.7/71

- sign 0.004+/-0.000 χ^2/NDF: 2663895.2/36



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.575+/-0.000 χ^2/NDF:40407270119.5/18

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

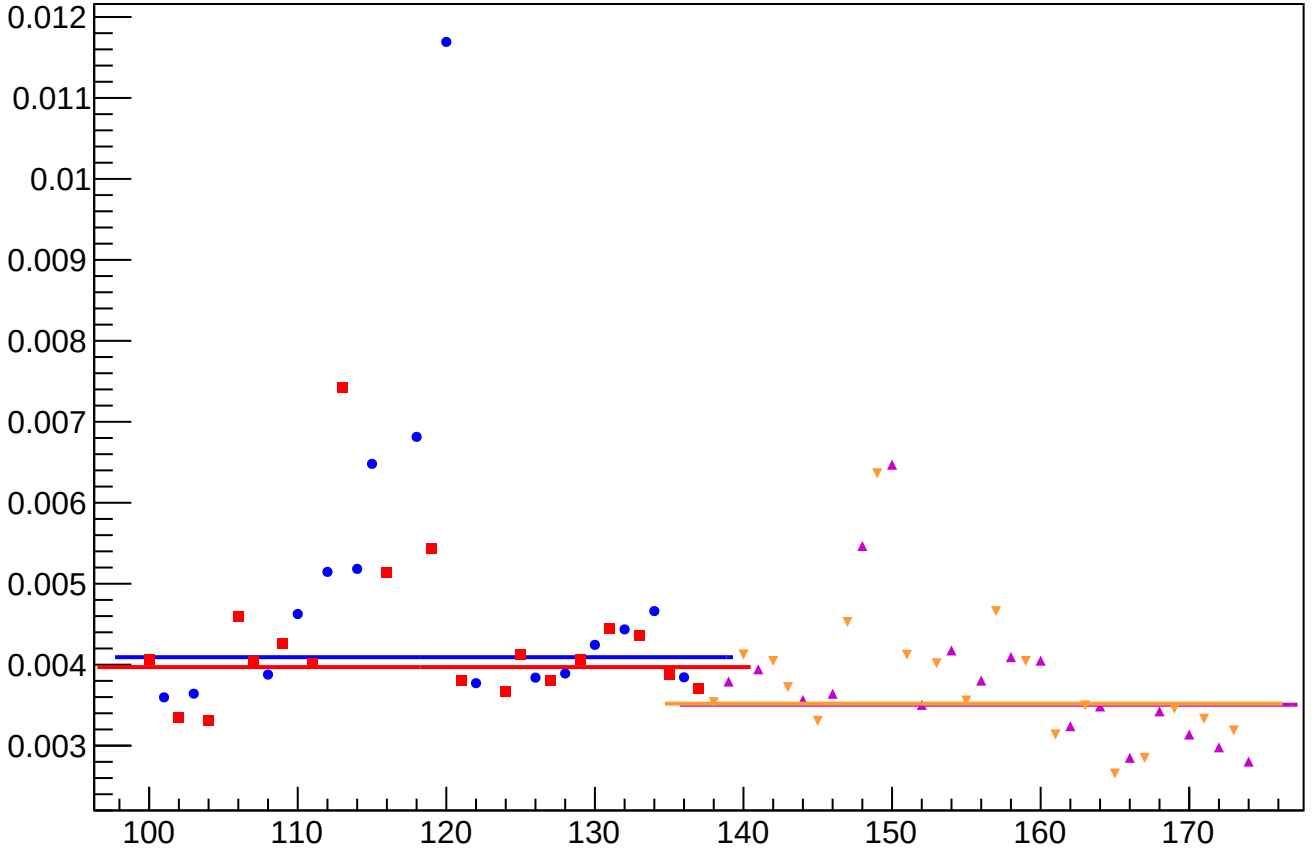
Left In: 0.594+/-0.000 χ^2/NDF:36356270717.0/17

+ sign 0.517+/-0.000 χ^2/NDF: 61316346678.1/34

All: 0.518+/-0.000 χ^2/NDF: 128403797784.5

- 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: 0.004+/-0.000 χ^2/NDF:764661.2/18

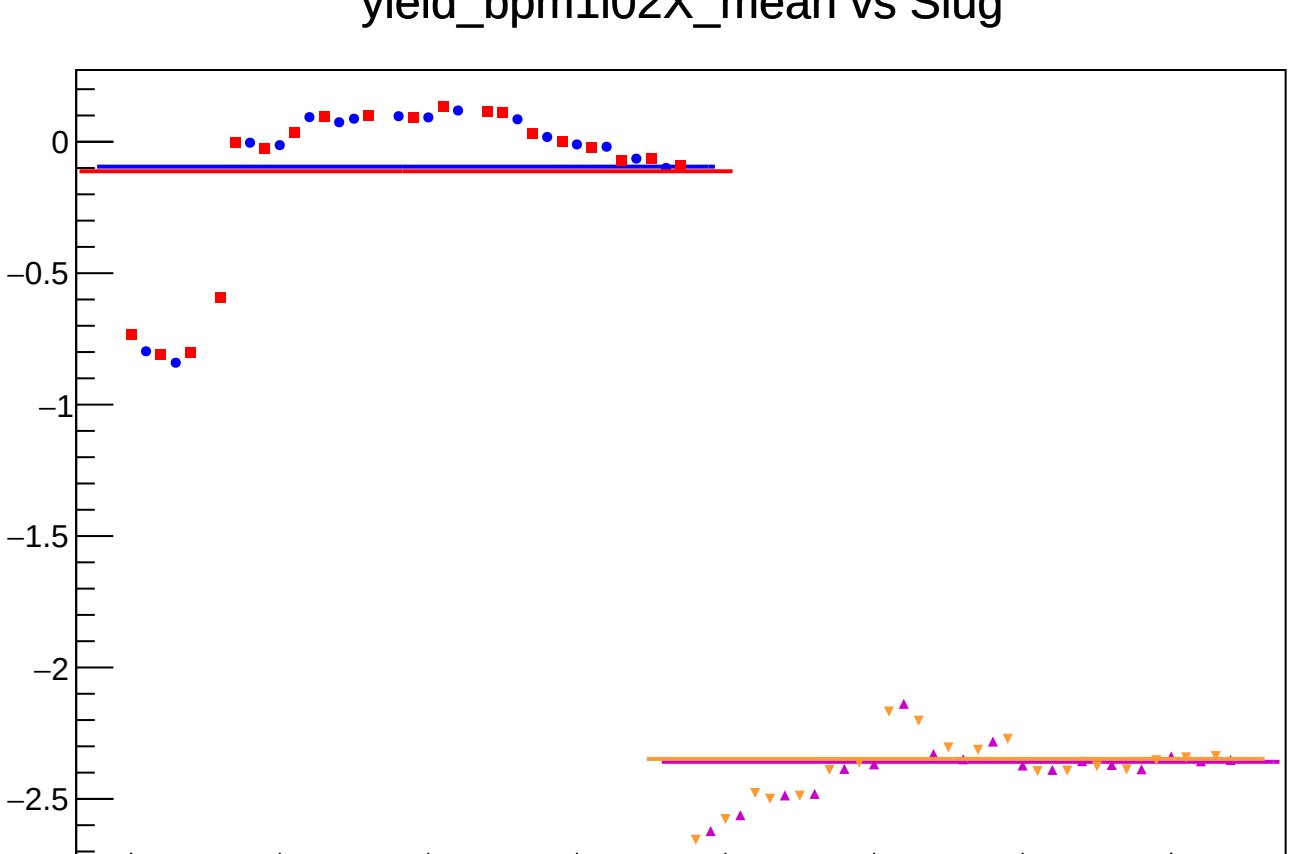
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:820757.0/17

+ sign 0.004+/-0.000 χ^2/NDF: 1431824.0/34

All: 0.004+/-0.000 χ^2/NDF: 2692048.8/71

- 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: -2.348+/-0.000 χ^2/NDF:1674030822.0/18

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

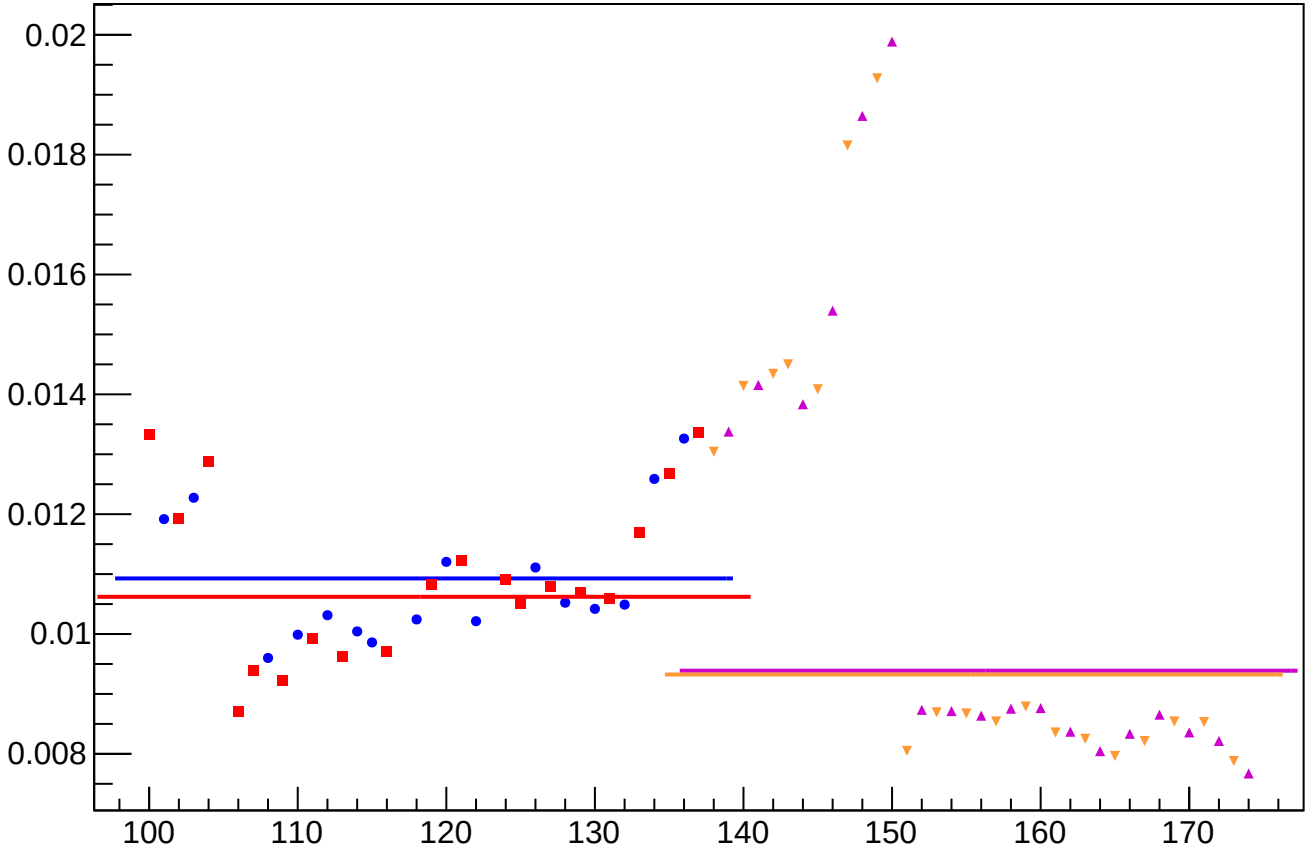
Left In: -2.359+/-0.000 χ^2/NDF:1297902757.8/17

+ sign -1.737+/-0.000 χ^2/NDF: 227835929080.7/34

All: -1.717+/-0.000 χ^2/NDF: 468101825205.5

- 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:1920324.5/18

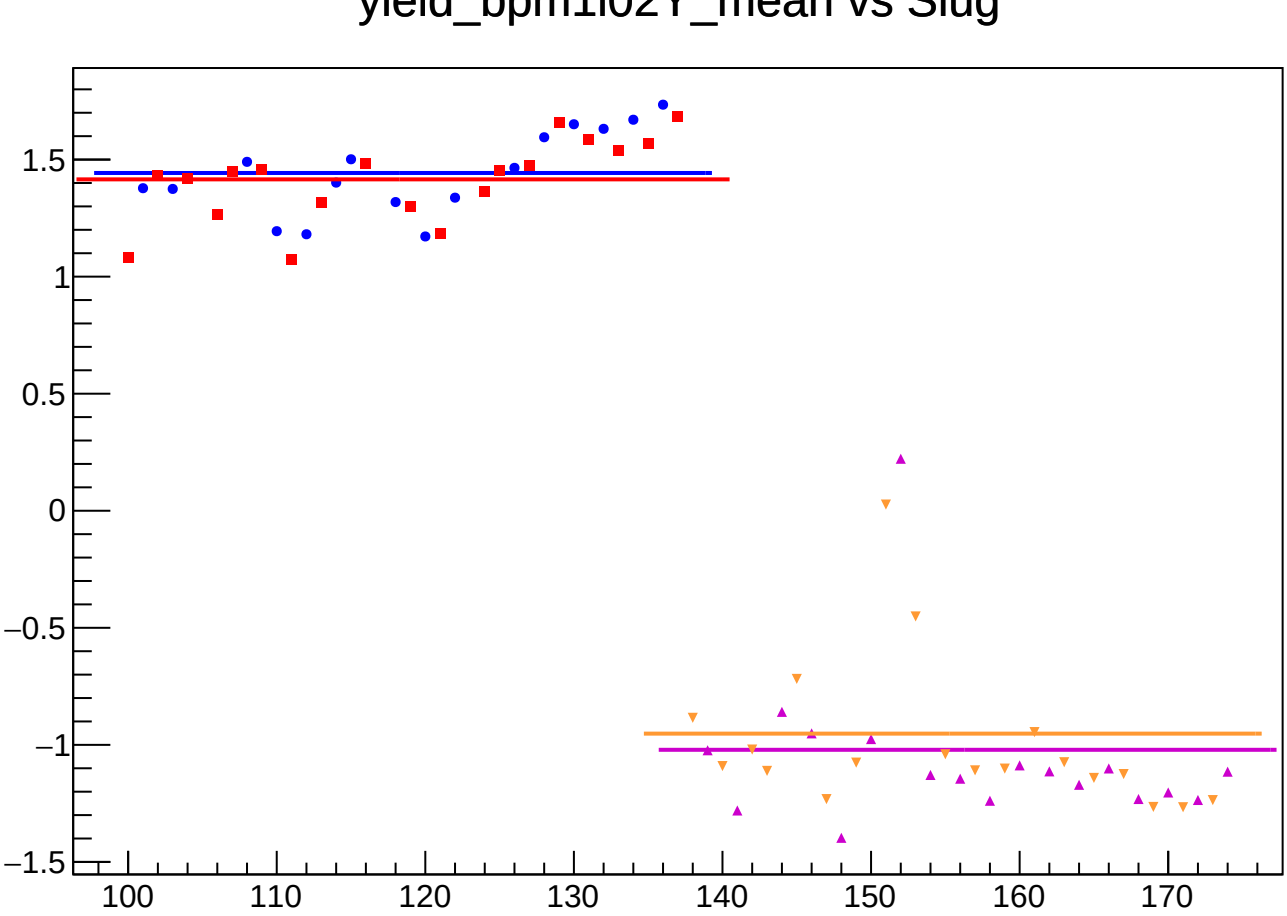
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.009+/-0.000 χ^2/NDF:1994897.3/17

+ sign 0.010+/-0.000 χ^2/NDF: 2280295.9/34

All: 0.010+/-0.000 χ^2/NDF: 4605955.4/71

- 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: -0.952+/-0.000 χ^2/NDF:35916574562.9/18

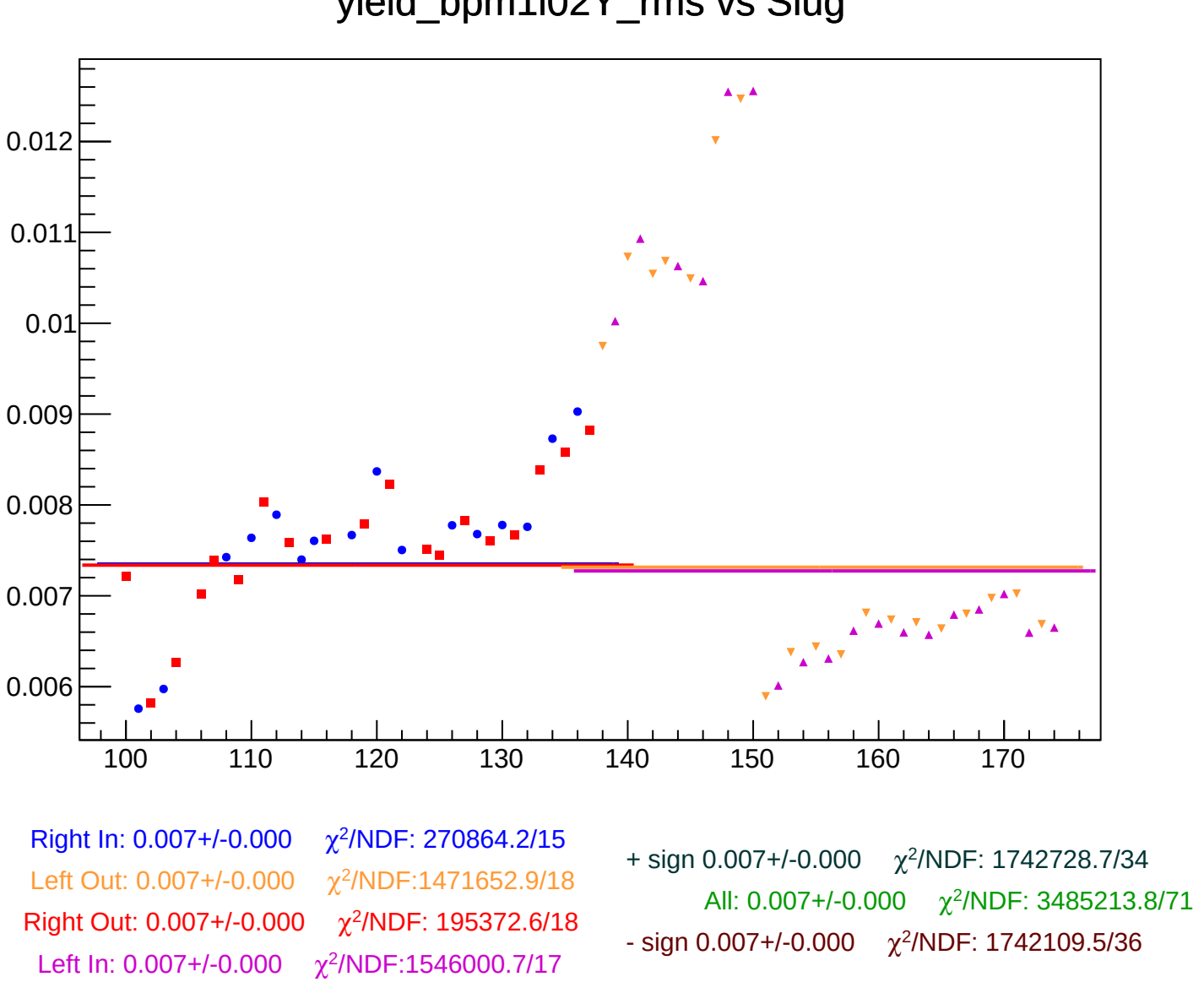
Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -1.021+/-0.000 χ^2/NDF:42917141454.3/17

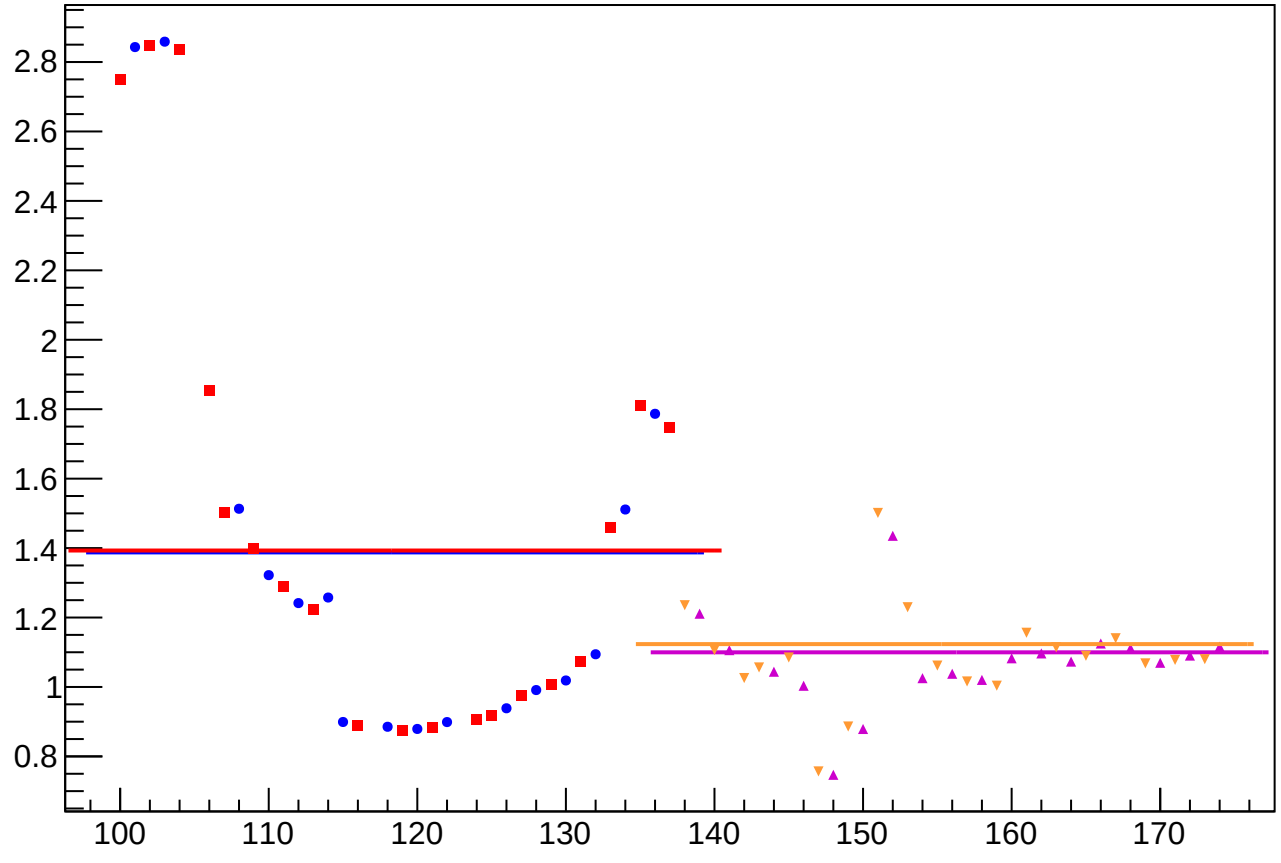
+ sign -0.160+/-0.000 χ^2/NDF: 541804432813.8/34

All: -0.176+/-0.000 χ^2/NDF: 1123792549953

- sign -0.191+/-0.000 χ^2/NDF: 581793593075.5/36


yield_bpm1i02Y_rms vs Slug
0.012
0.011
0.01
0.009
0.008
0.007
0.006
100
110
120
130
140
150
160
170
Right In: 0.007+/-0.000 χ²/NDF: 270864.2/15
Left Out: 0.007+/-0.000 χ²/NDF:1471652.9/18
Right Out: 0.007+/-0.000 χ²/NDF: 195372.6/18
Left In: 0.007+/-0.000 χ²/NDF:1546000.7/17
+ sign 0.007+/-0.000 χ²/NDF: 1742728.7/34
All: 0.007+/-0.000 χ²/NDF: 3485213.8/71
- sign 0.007+/-0.000 χ²/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:5484953710.8/18

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

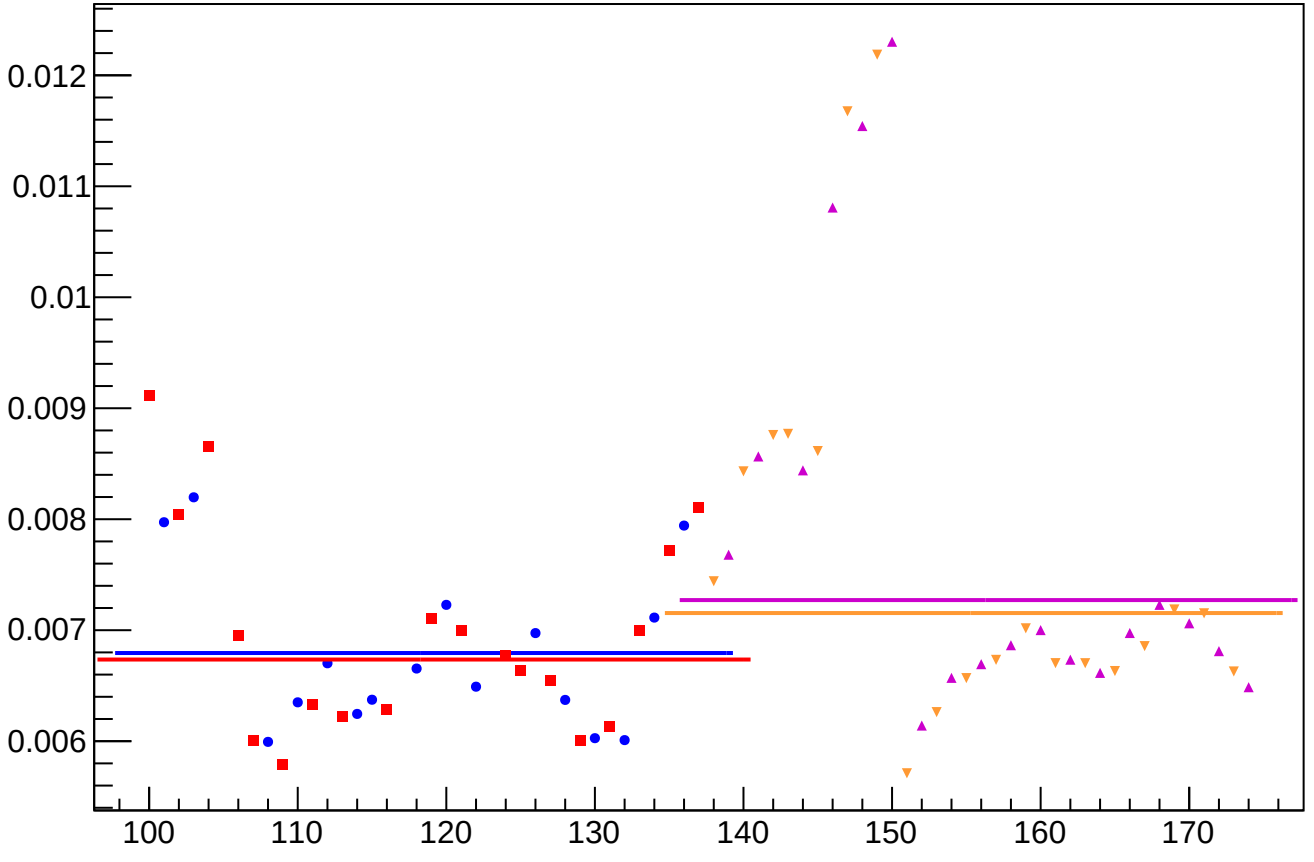
Left In: 1.100+/-0.000 χ^2/NDF:4185531967.1/17

+ sign 1.218+/-0.000 χ^2/NDF: 70993841177.1/34

All: 1.214+/-0.000 χ^2/NDF: 139223328711.8

- 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:835387.3/18

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: 1025493.9/34

All: 0.007+/-0.000 χ^2/NDF: 2179540.4/71

- 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: 0.661+/-0.000 χ^2/NDF:244355729745.7/18

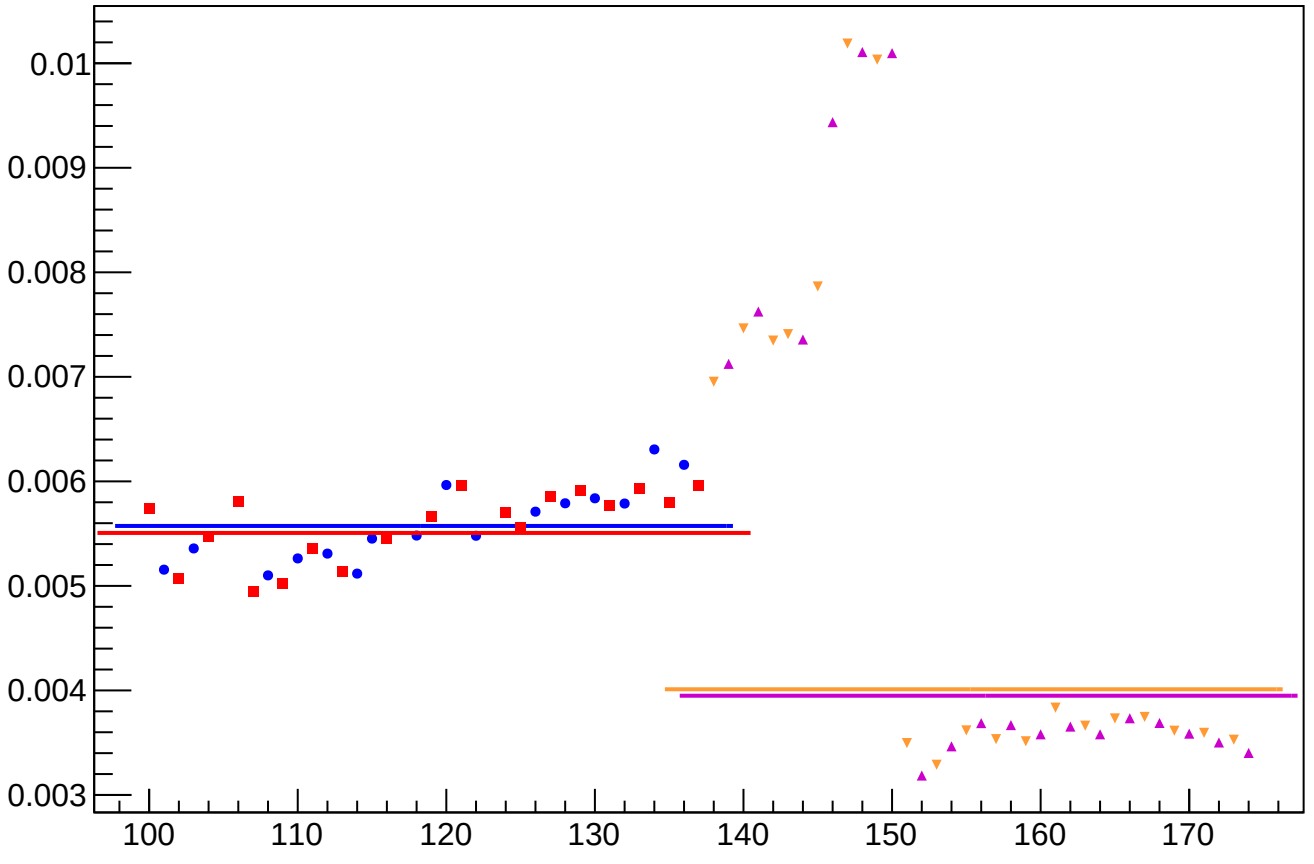
Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.668+/-0.000 χ^2/NDF:243686081379.7/17

+ sign 1.314+/-0.000 χ^2/NDF: 1985476500826.3/34

All: 1.327+/-0.000 χ^2/NDF: 4076658947184.

- sign 1.339+/-0.000 χ^2/NDF: 2090869859539.6/36



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2871023.9/18

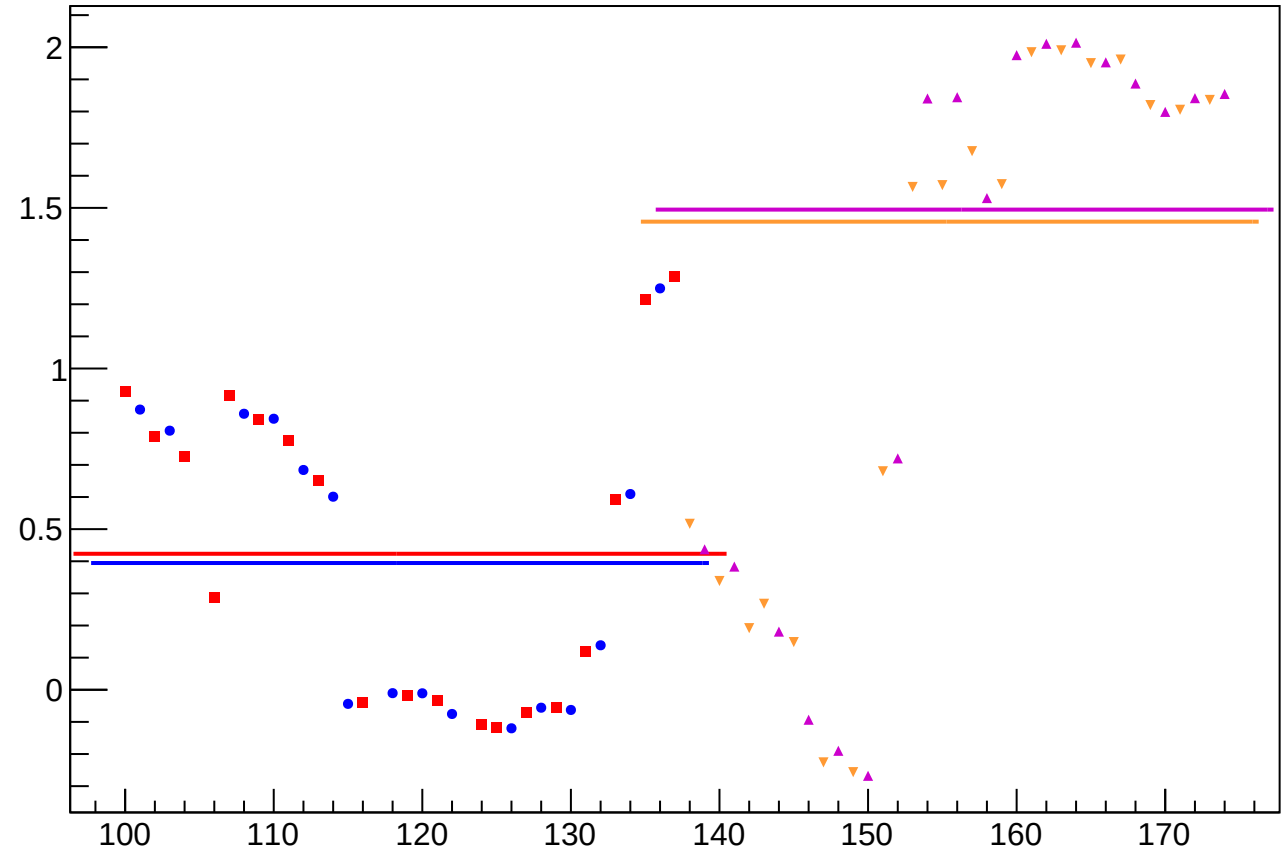
Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:3097507.7/17

+ sign 0.004+/-0.000 χ^2/NDF: 3805438.4/34

All: 0.004+/-0.000 χ^2/NDF: 7867399.1/71

- sign 0.004+/-0.000 χ^2/NDF: 4058480.9/36



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.457+/-0.000 χ^2/NDF:53617314682.2/18

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

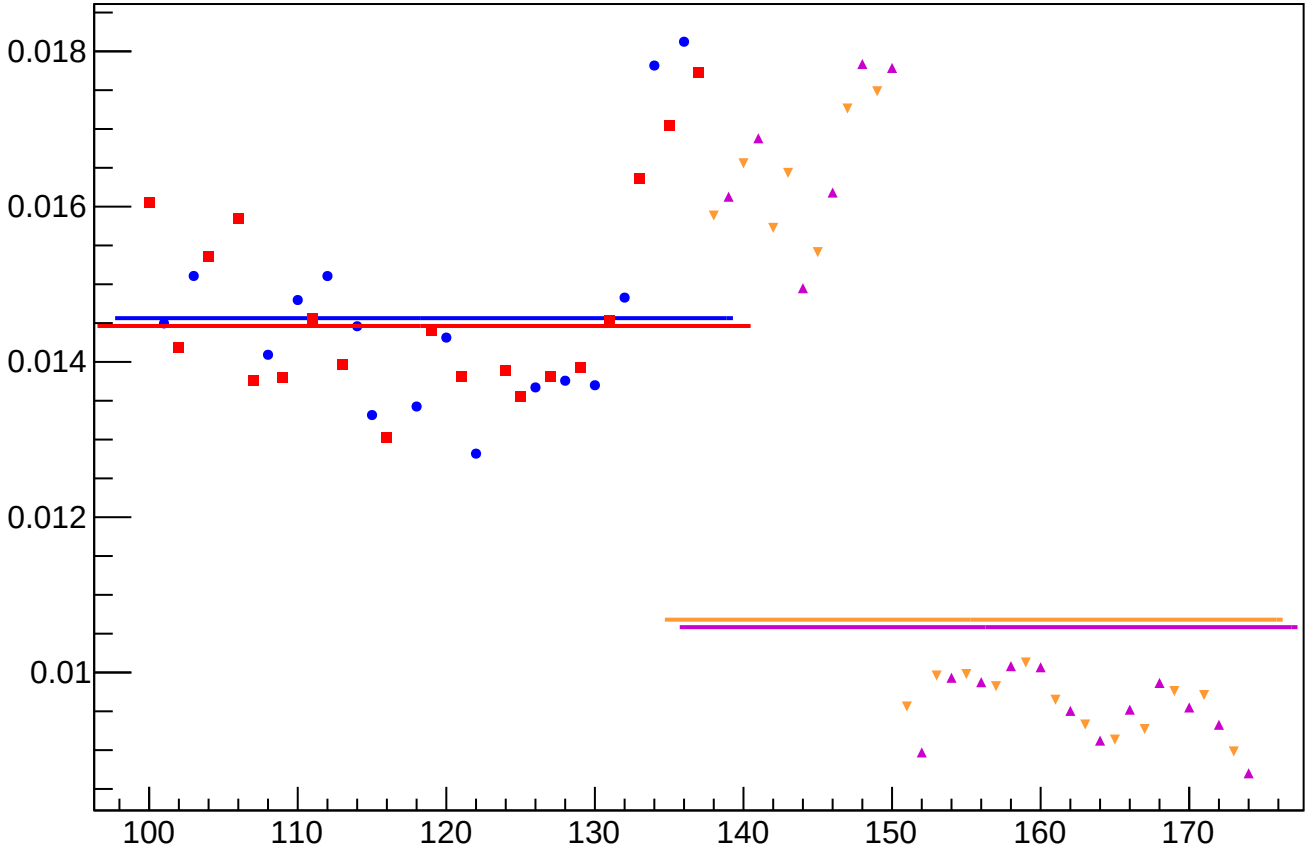
Left In: 1.495+/-0.000 χ^2/NDF:59383031700.2/17

+ sign 1.230+/-0.000 χ^2/NDF: 90718719608.0/34

All: 1.245+/-0.000 χ^2/NDF: 188283895885.7

- 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:1562623.6/18

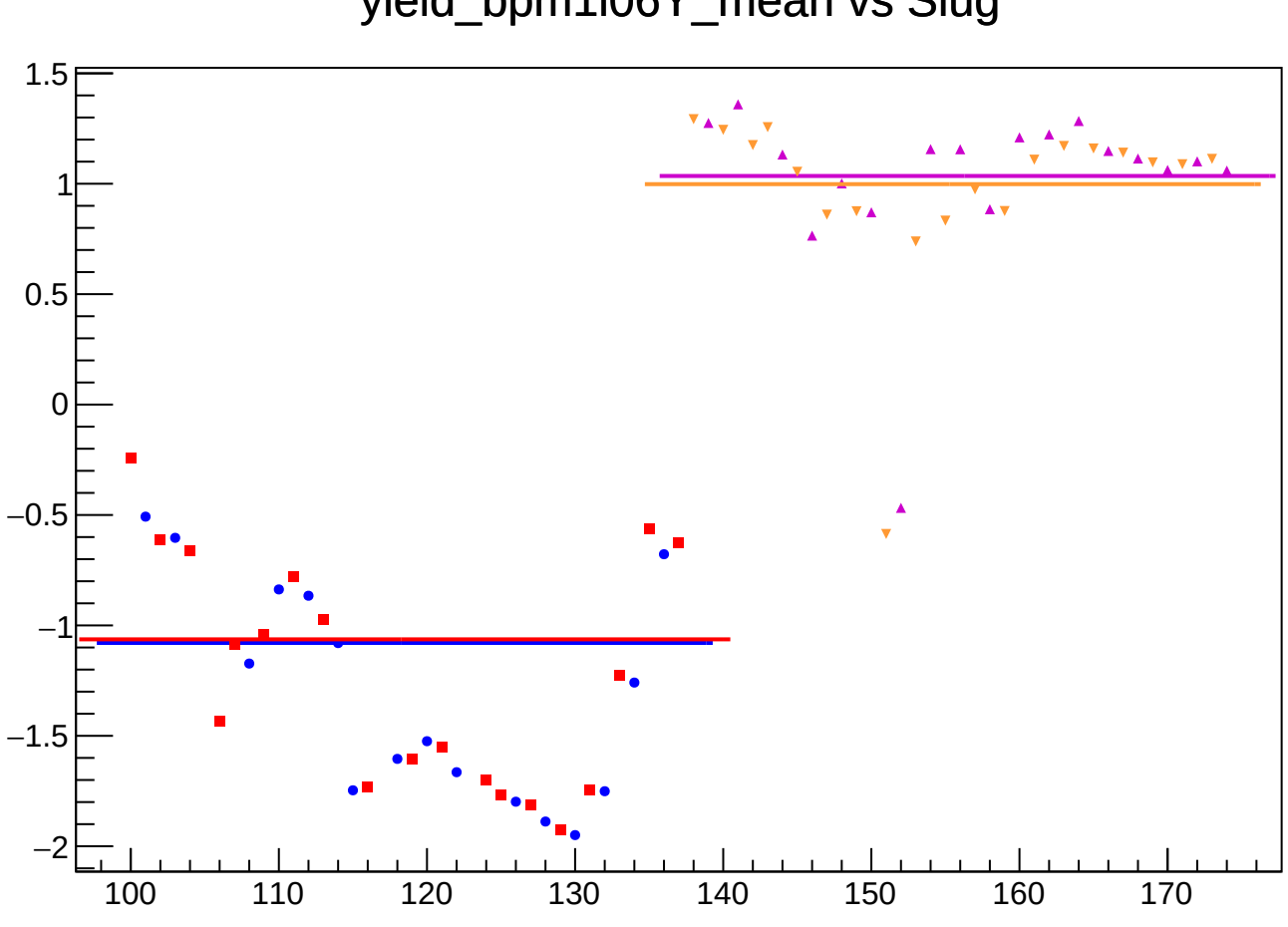
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.011+/-0.000 χ^2/NDF:1647446.7/17

+ sign 0.012+/-0.000 χ^2/NDF: 2488754.2/34

All: 0.011+/-0.000 χ^2/NDF: 5032733.3/71

- 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: 0.998+/-0.000 χ^2/NDF:110402551320.4/18

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

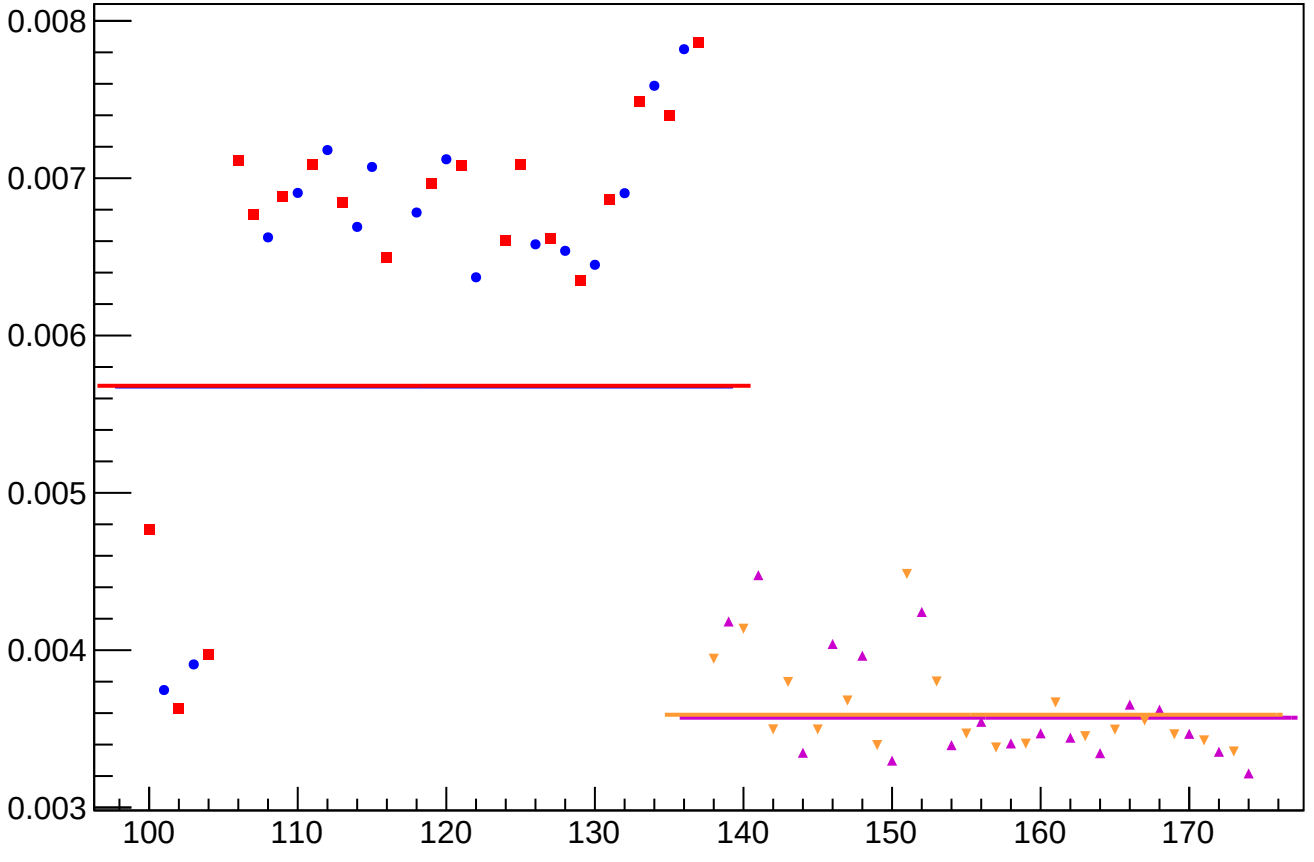
Left In: 1.035+/-0.000 χ^2/NDF:125211737237.4/17

+ sign 0.670+/-0.000 χ^2/NDF: 888563623371.2/34

All: 0.685+/-0.000 χ^2/NDF: 1803422182672.

- 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:138437.7/18

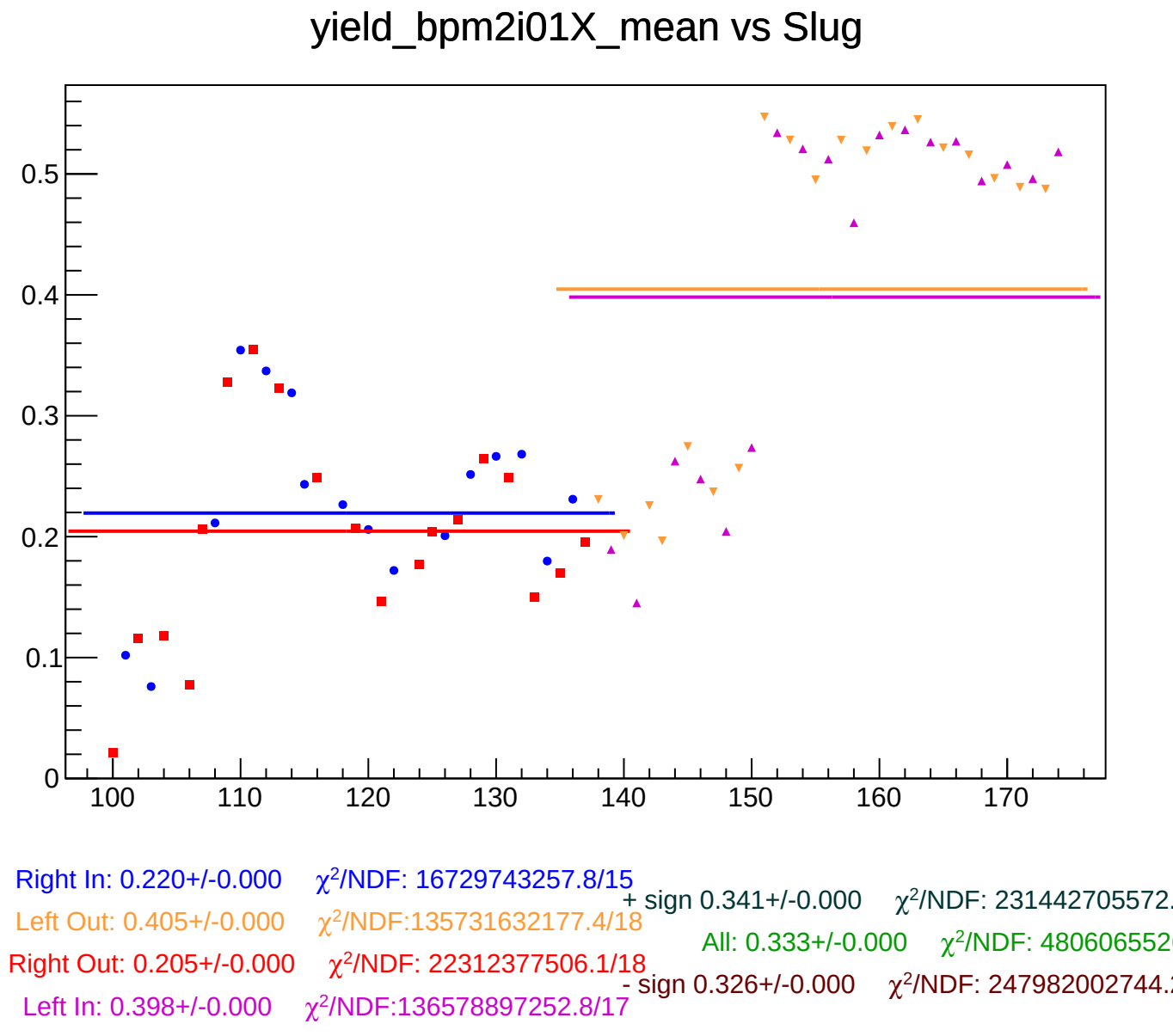
Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:236246.9/17

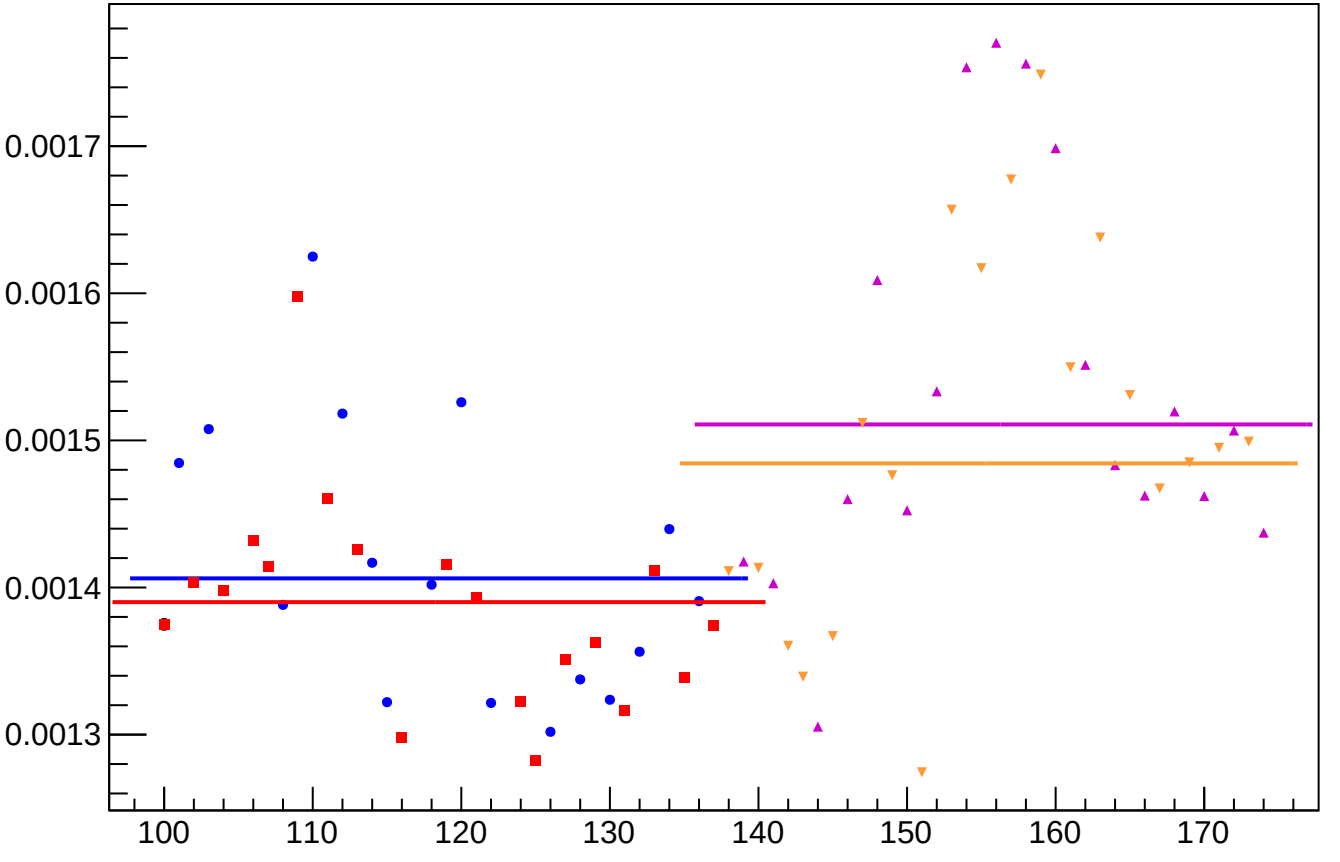
+ sign 0.004+/-0.000 χ^2/NDF: 2532228.4/34

All: 0.004+/-0.000 χ^2/NDF: 5243862.4/71

- sign 0.004+/-0.000 χ^2/NDF: 2711483.4/36


yield_bpm2i01X_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
Right In: 0.220+/-0.000 χ²/NDF: 16729743257.8/15
Left Out: 0.405+/-0.000 χ²/NDF:135731632177.4/18
Right Out: 0.205+/-0.000 χ²/NDF: 22312377506.1/18
Left In: 0.398+/-0.000 χ²/NDF:136578897252.8/17
+ sign 0.341+/-0.000 χ²/NDF: 231442705572.4/34
All: 0.333+/-0.000 χ²/NDF: 480606552681.6
- sign 0.326+/-0.000 χ²/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:201059.9/18

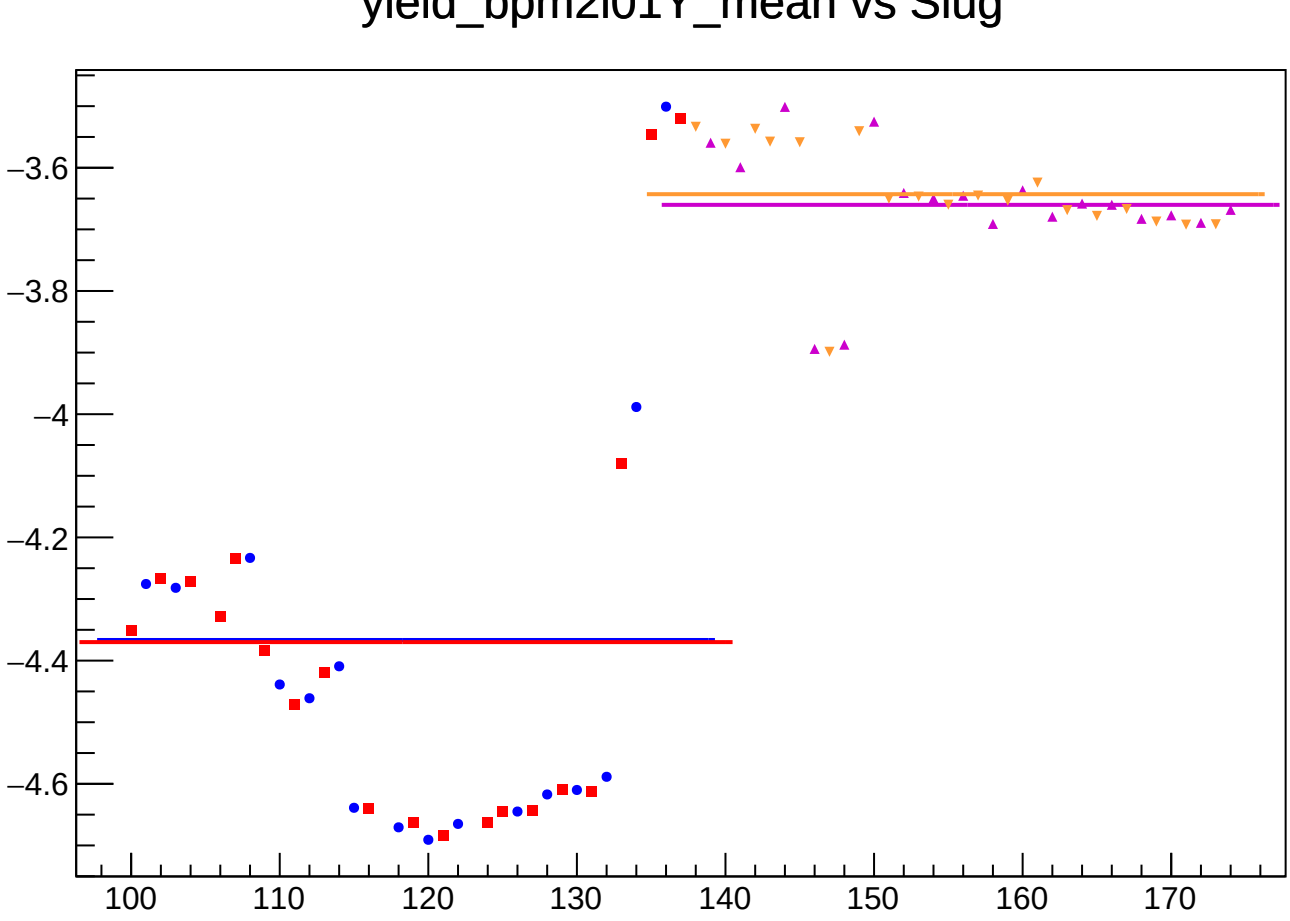
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:203541.5/17

+ sign 0.001+/-0.000 χ^2/NDF: 277399.0/34

All: 0.001+/-0.000 χ^2/NDF: 585773.3/71

- 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: -3.643+/-0.000 χ^2/NDF:24978057517.3/18

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

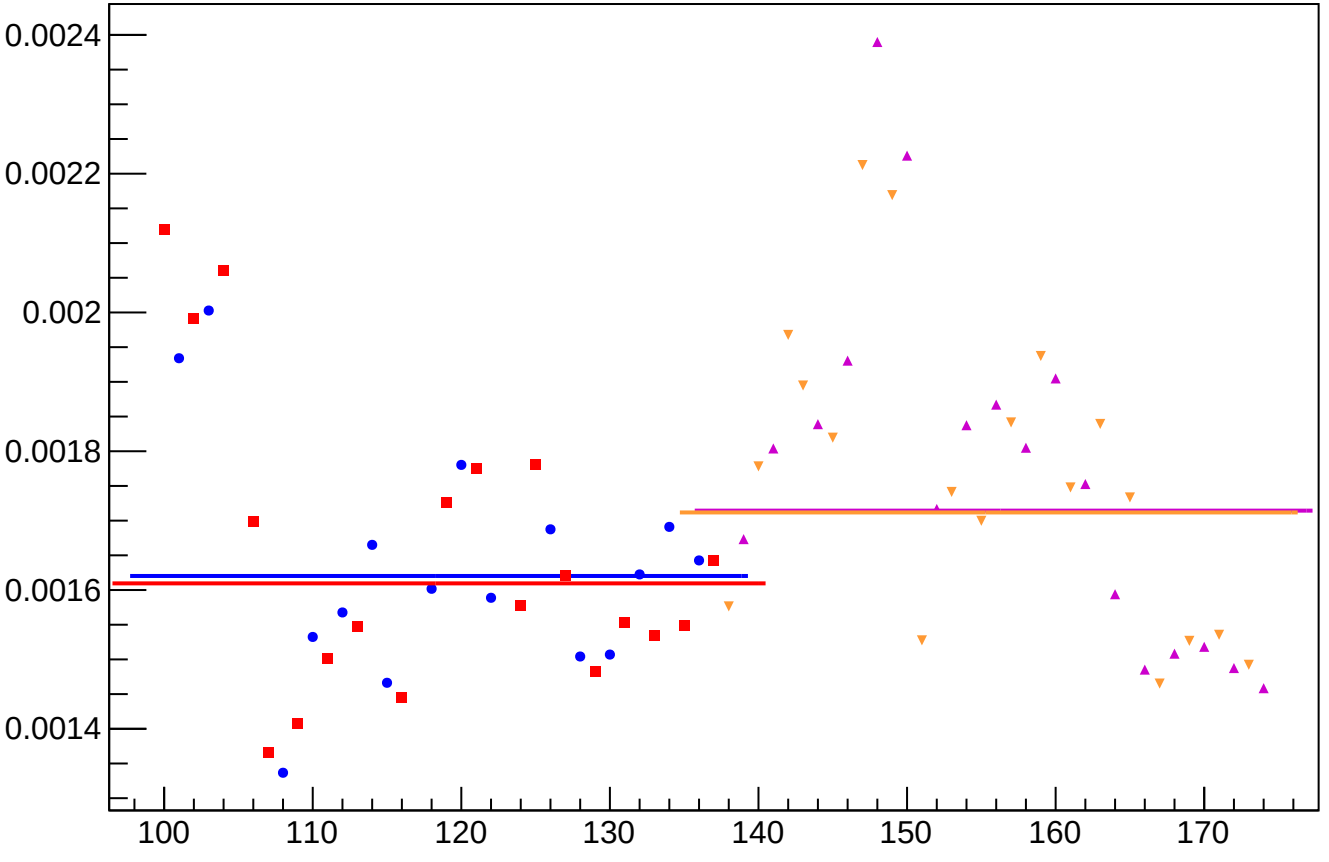
Left In: -3.660+/-0.000 χ^2/NDF:34077549604.2/17

+ sign -3.895+/-0.000 χ^2/NDF: 1271431408403.4/3

All: -3.906+/-0.000 χ^2/NDF: 2486334279663

- 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:387231.4/18

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

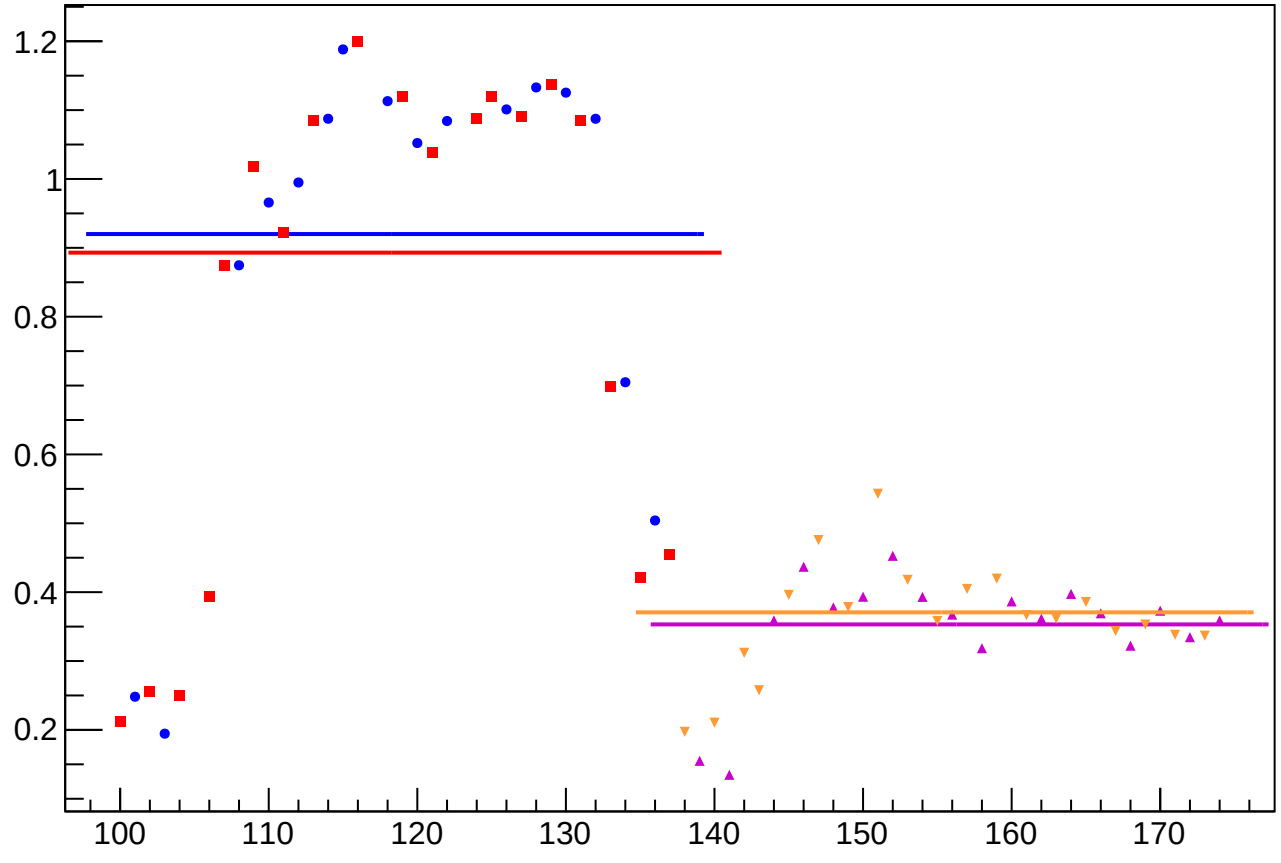
Left In: 0.002+/-0.000 χ^2/NDF:476266.6/17

+ sign 0.002+/-0.000 χ^2/NDF: 556053.4/34

All: 0.002+/-0.000 χ^2/NDF: 1255890.6/71

- 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: 0.371+/-0.000 χ^2/NDF:1758976255.7/18

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

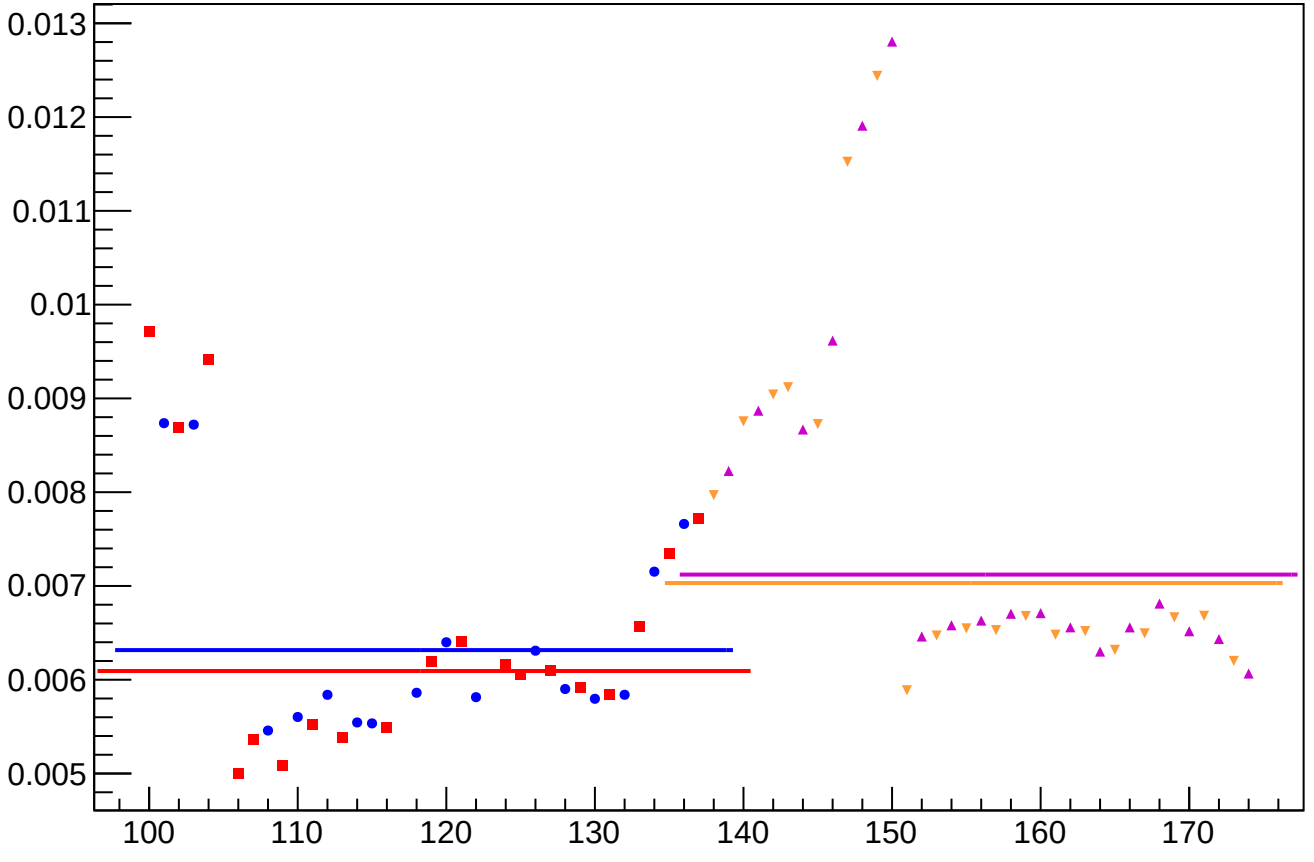
Left In: 0.353+/-0.000 χ^2/NDF:1454203988.2/17

+ sign 0.577+/-0.000 χ^2/NDF: 49399369053.5/34

All: 0.576+/-0.000 χ^2/NDF: 102083227823.9

- 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:1022665.6/18

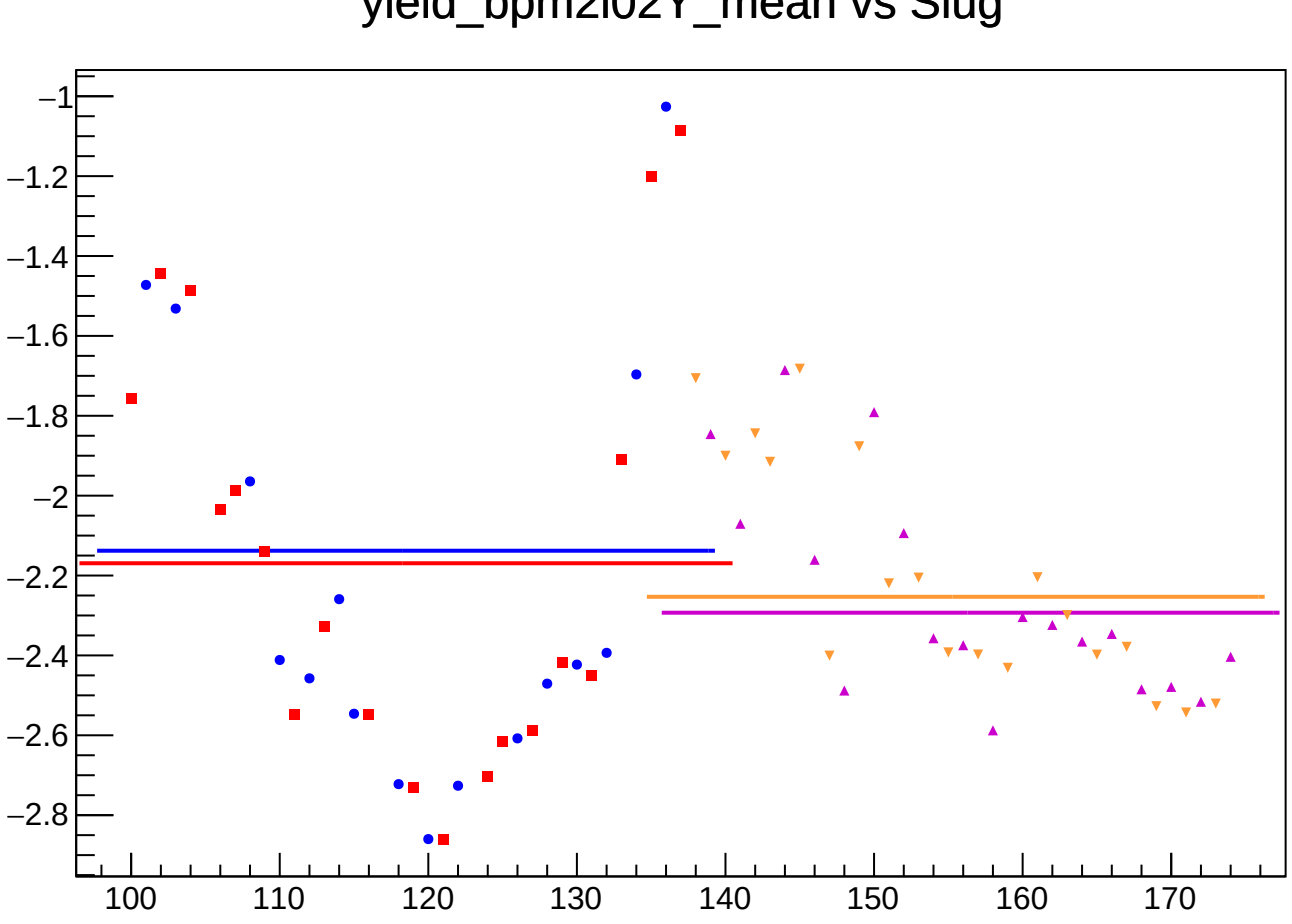
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1075021.4/17

+ sign 0.007+/-0.000 χ^2/NDF: 1470541.2/34

All: 0.007+/-0.000 χ^2/NDF: 3226950.1/71

- 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: -2.253+/-0.000 χ^2/NDF:22764987183.6/18

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

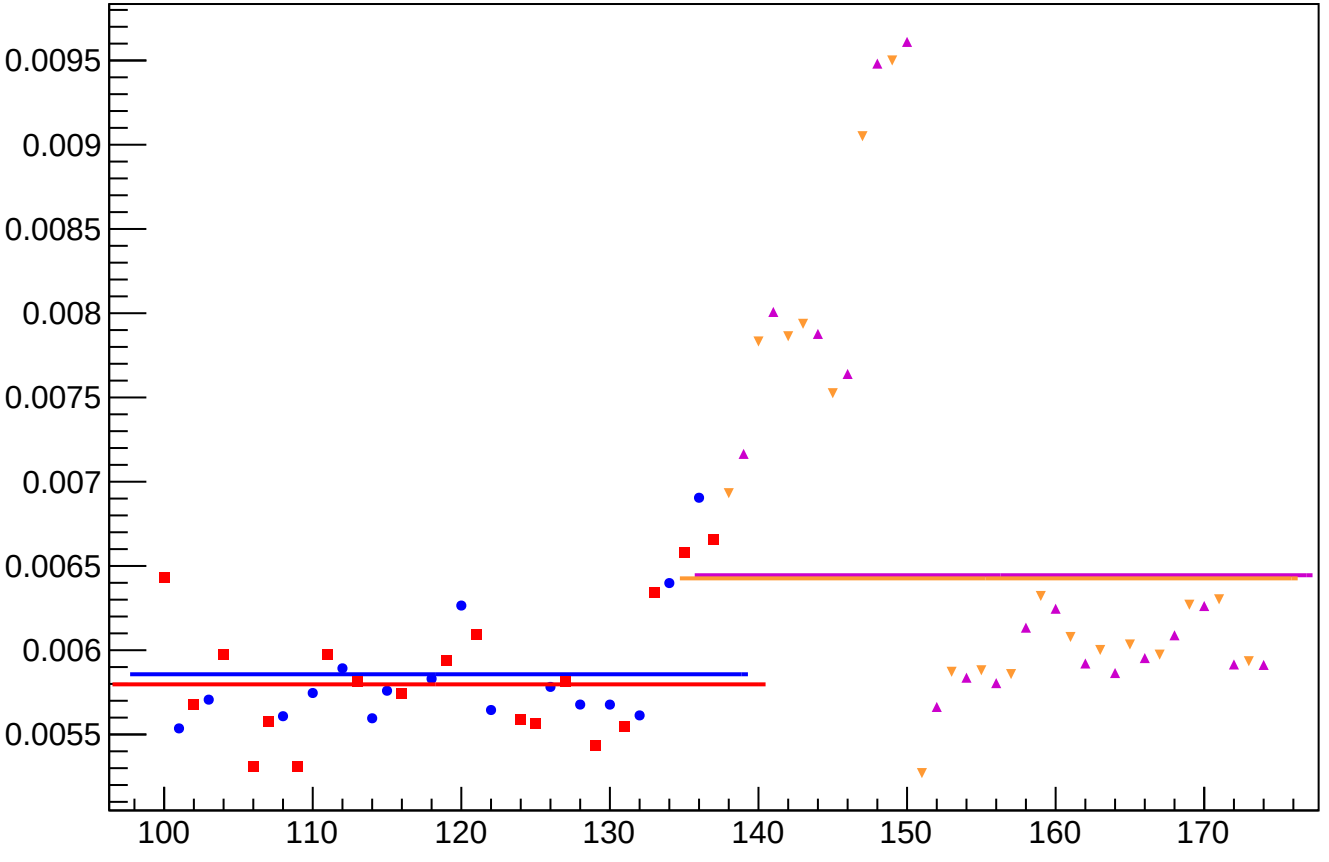
Left In: -2.293+/-0.000 χ^2/NDF:18929672342.4/17

+ sign -2.210+/-0.000 χ^2/NDF: 90183931116.1/34

All: -2.228+/-0.000 χ^2/NDF: 168939864908.0

- 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:663952.3/18

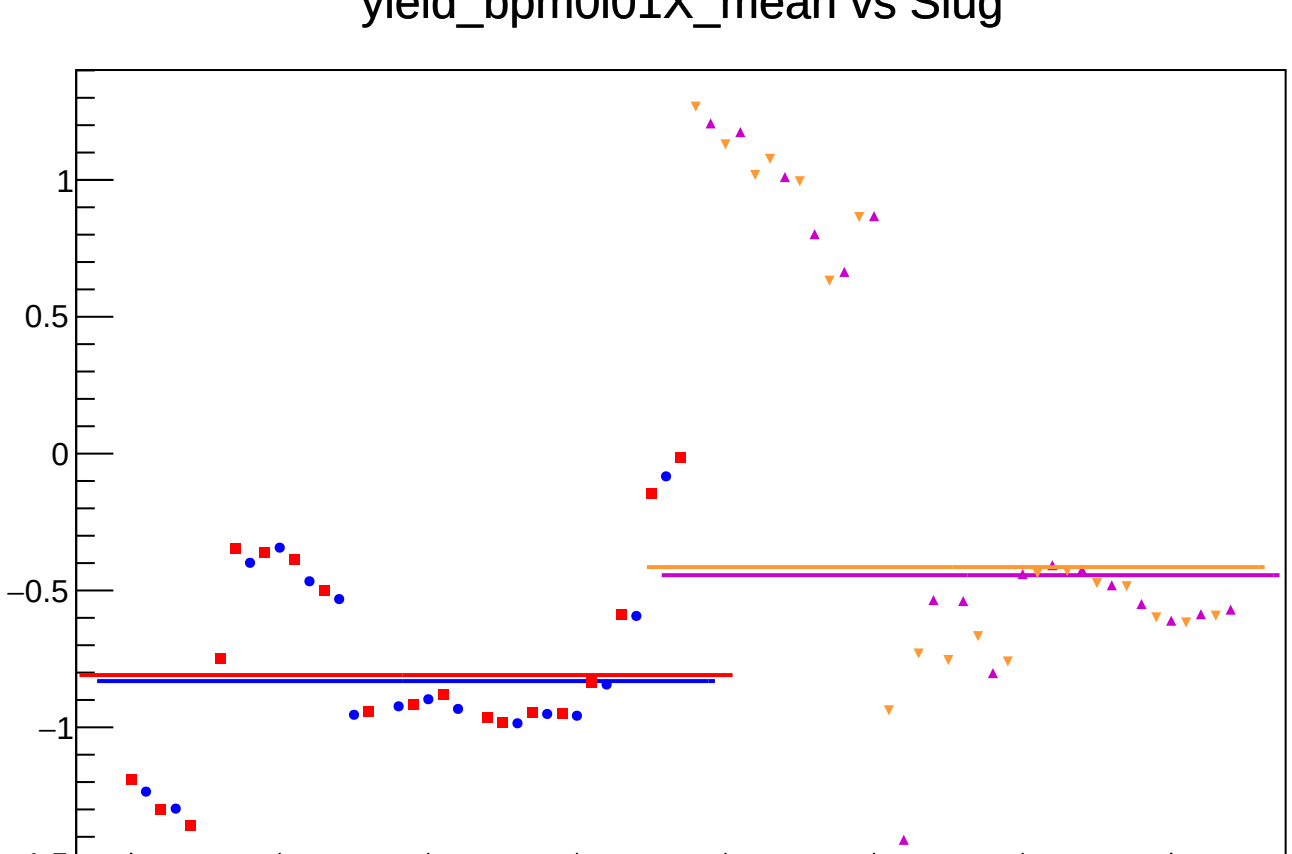
Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.006+/-0.000 χ^2/NDF:696520.8/17

+ sign 0.006+/-0.000 χ^2/NDF: 811189.3/34

All: 0.006+/-0.000 χ^2/NDF: 1678049.5/71

- 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: -0.415+/-0.000 χ^2/NDF:80370359670.7/18

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

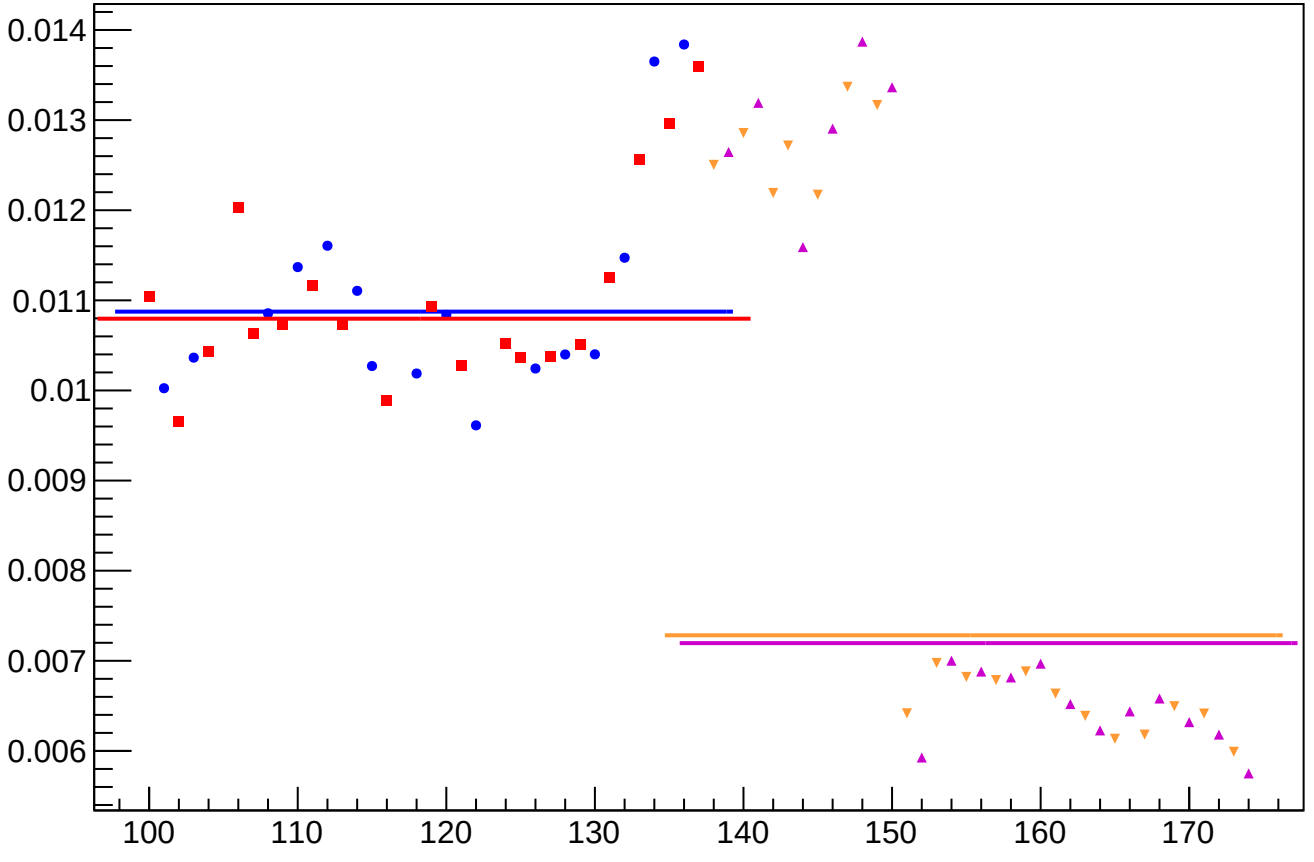
Left In: -0.444+/-0.000 χ^2/NDF:89583715677.6/17

+ sign -0.493+/-0.000 χ^2/NDF: 95854815501.7/34

All: -0.504+/-0.000 χ^2/NDF: 200322543869.1

- 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:2242132.1/18

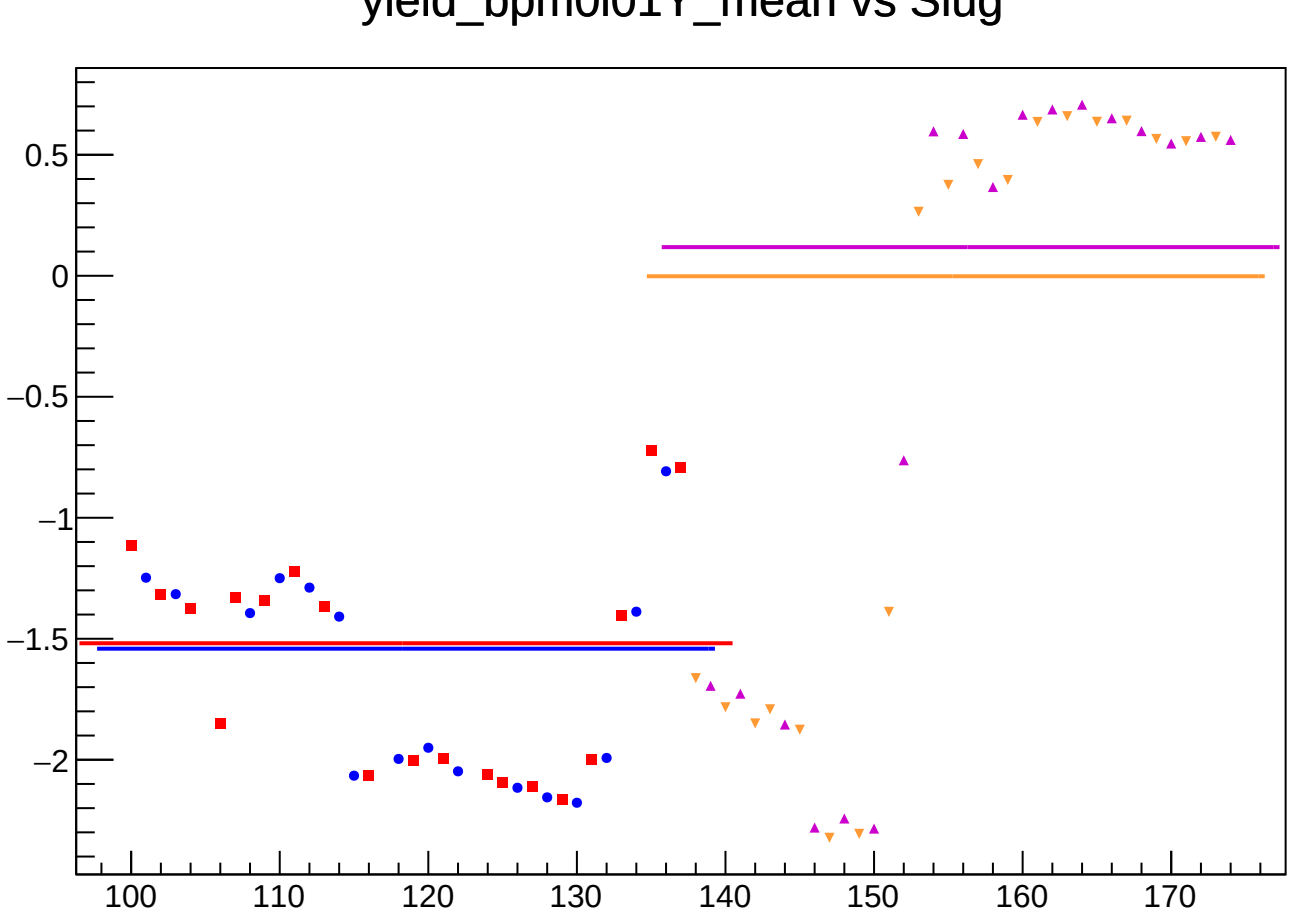
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2356553.7/17

+ sign 0.008+/-0.000 χ^2/NDF: 3644683.7/34

All: 0.008+/-0.000 χ^2/NDF: 7398939.6/71

- 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: -0.002+/-0.000 χ^2/NDF:2194966155073.6/18

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

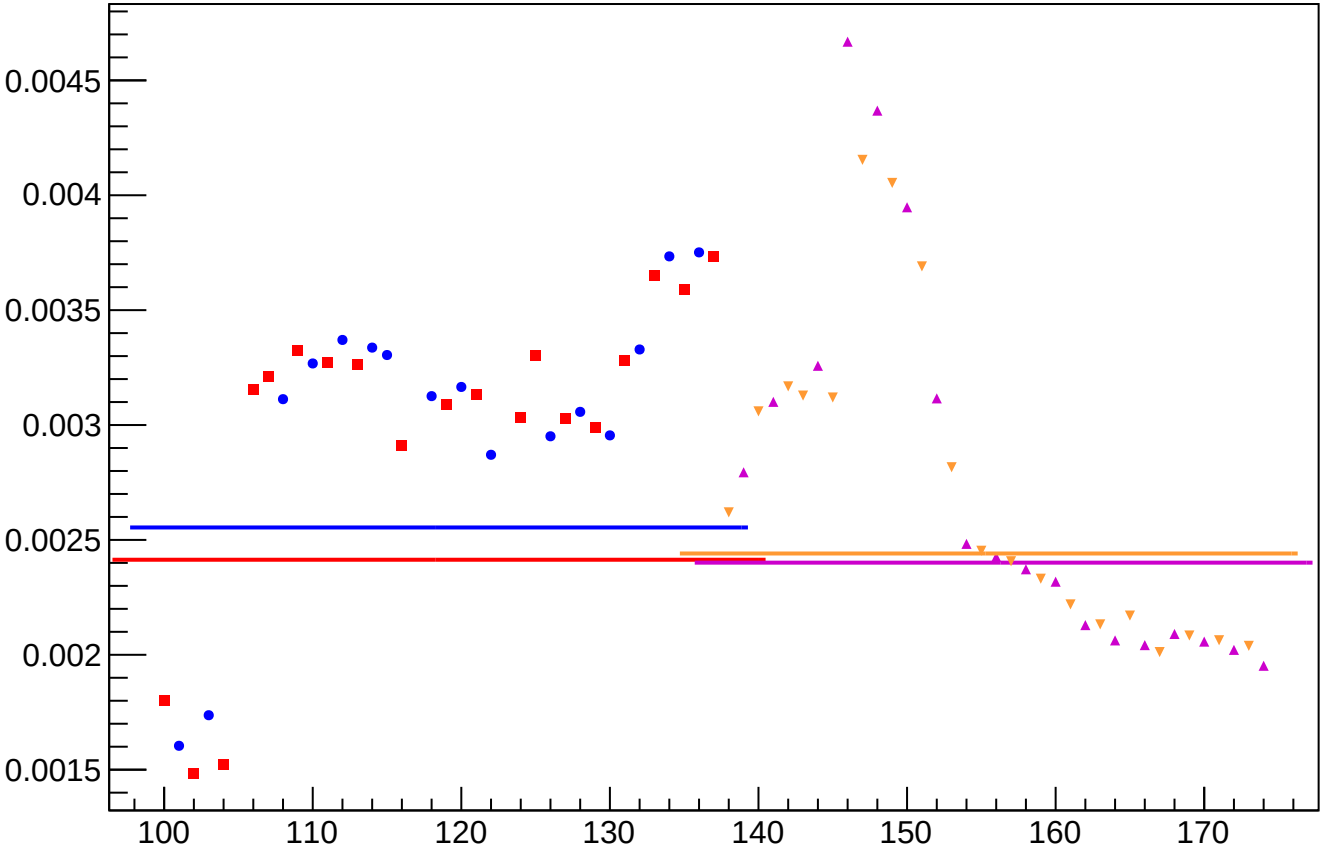
Left In: 0.118+/-0.000 χ^2/NDF:2012396609627.0/17

+ sign -0.462+/-0.000 χ^2/NDF: 3899587719356.9/3

All: -0.430+/-0.000 χ^2/NDF: 7928766800941

- sign -0.398+/-0.000 χ^2/NDF: 4022745507692.3/36

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1135339.8/18

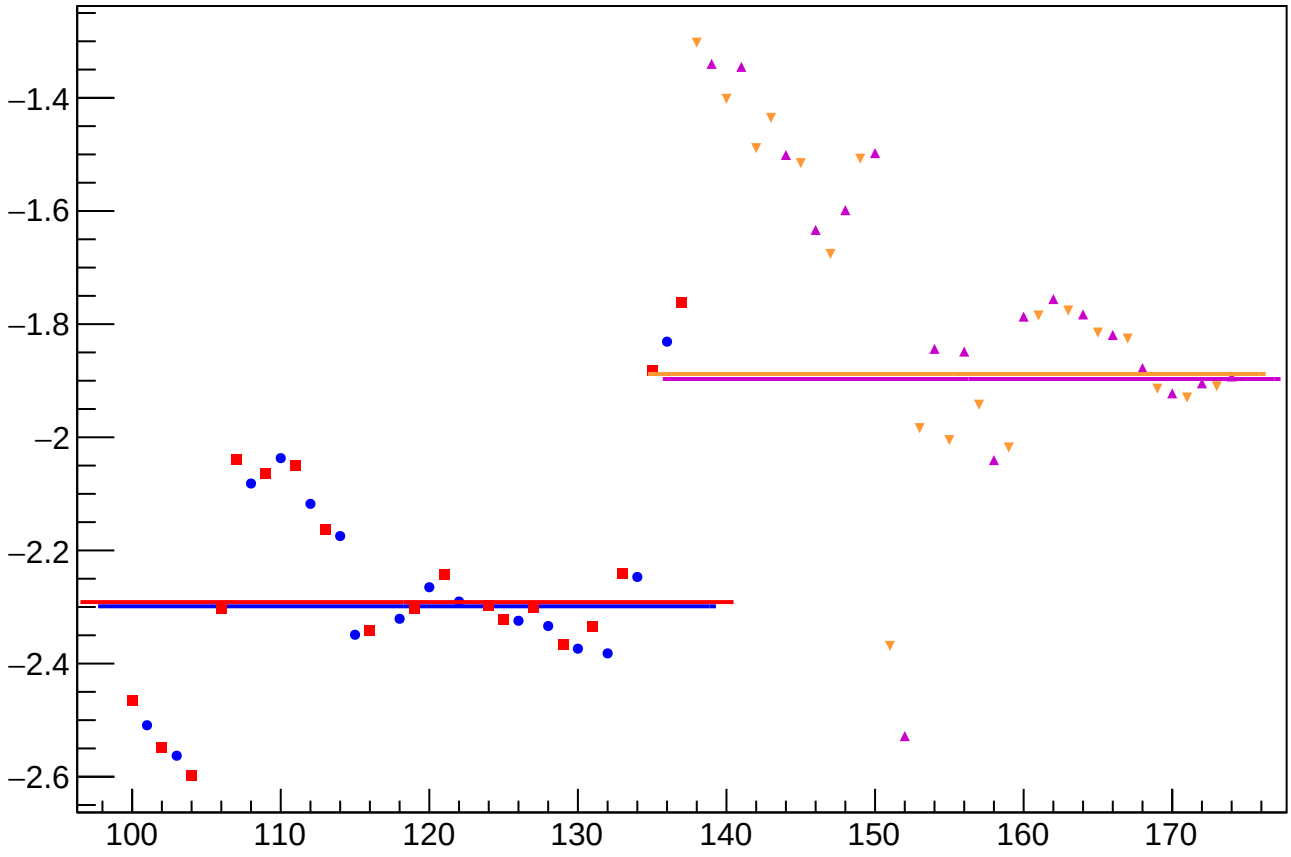
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1379432.7/17

+ sign 0.002+/-0.000 χ^2/NDF: 2324488.5/34

All: 0.002+/-0.000 χ^2/NDF: 5266356.3/71

- 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: -1.888+/-0.000 χ^2/NDF:27410690409.2/18

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

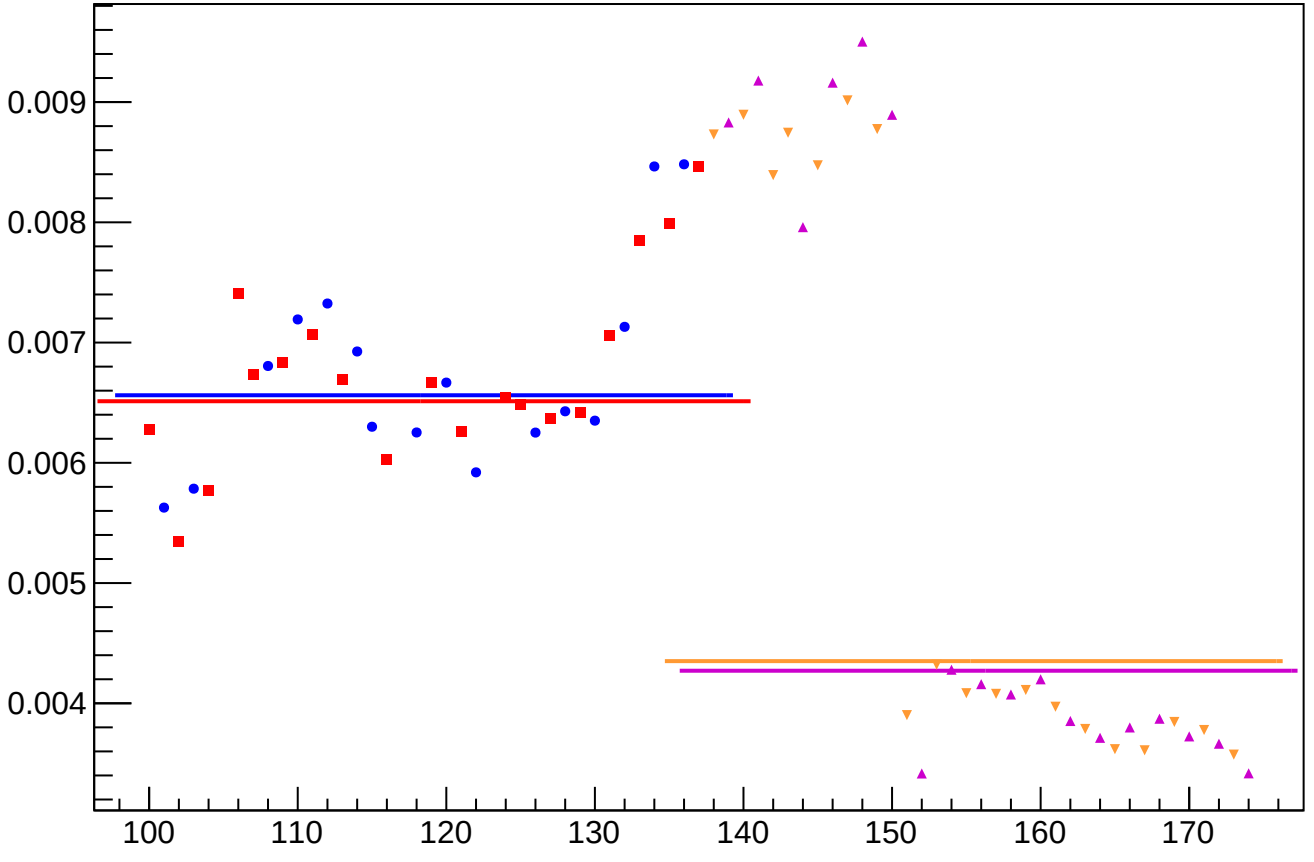
Left In: -1.897+/-0.000 χ^2/NDF:43347536440.0/17

+ sign -1.966+/-0.000 χ^2/NDF: 55509503671.1/34

All: -1.969+/-0.000 χ^2/NDF: 126735587402.2

- 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:2933137.0/18

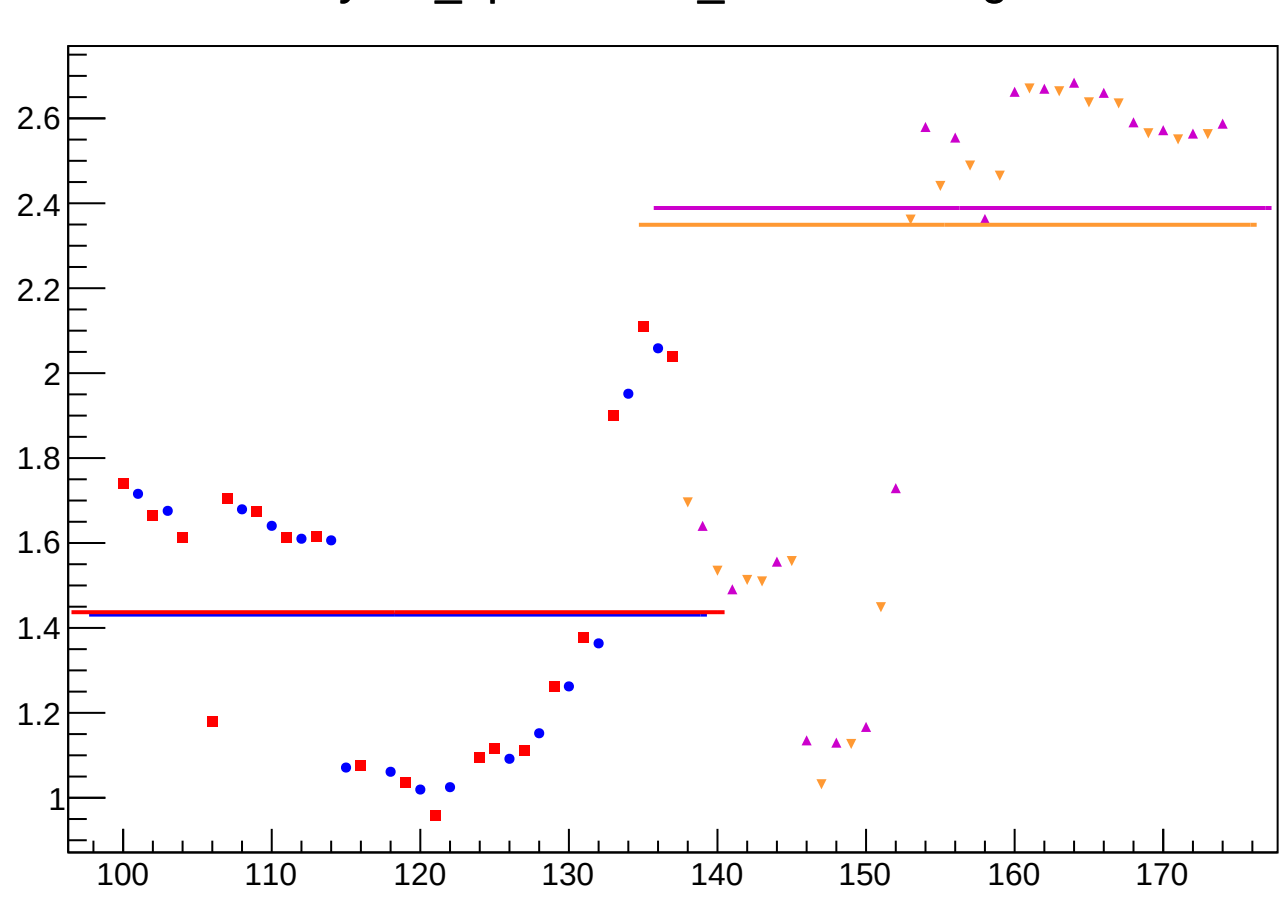
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:3079222.6/17

+ sign 0.005+/-0.000 χ^2/NDF: 4428552.3/34

All: 0.005+/-0.000 χ^2/NDF: 9055092.9/71

- 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: 2.349+/-0.000 χ^2/NDF:220395318059.4/18

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

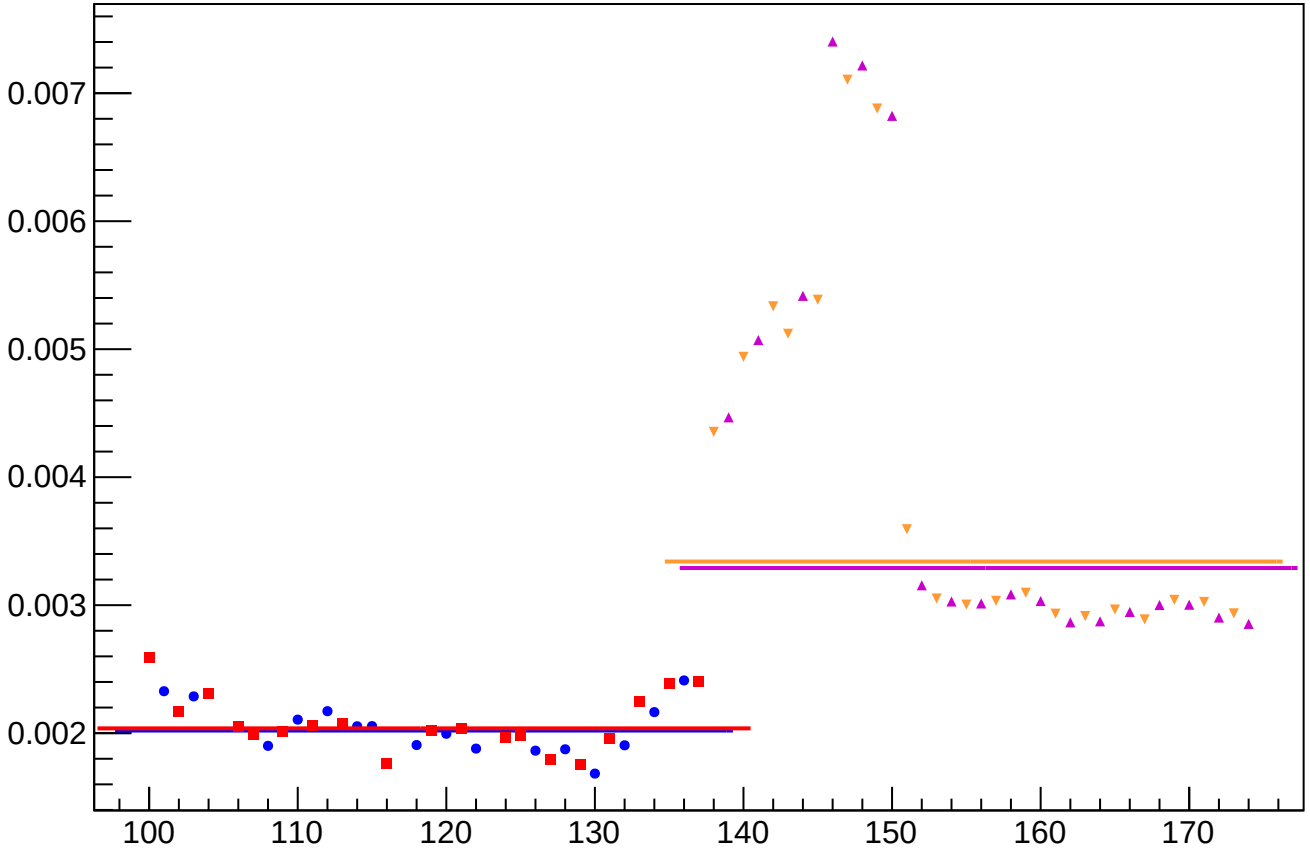
Left In: 2.389+/-0.000 χ^2/NDF:214961474843.1/17

+ sign 1.818+/-0.000 χ^2/NDF: 986952895108.4/34

All: 1.829+/-0.000 χ^2/NDF: 2010305270328.

- 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:1735332.0/18

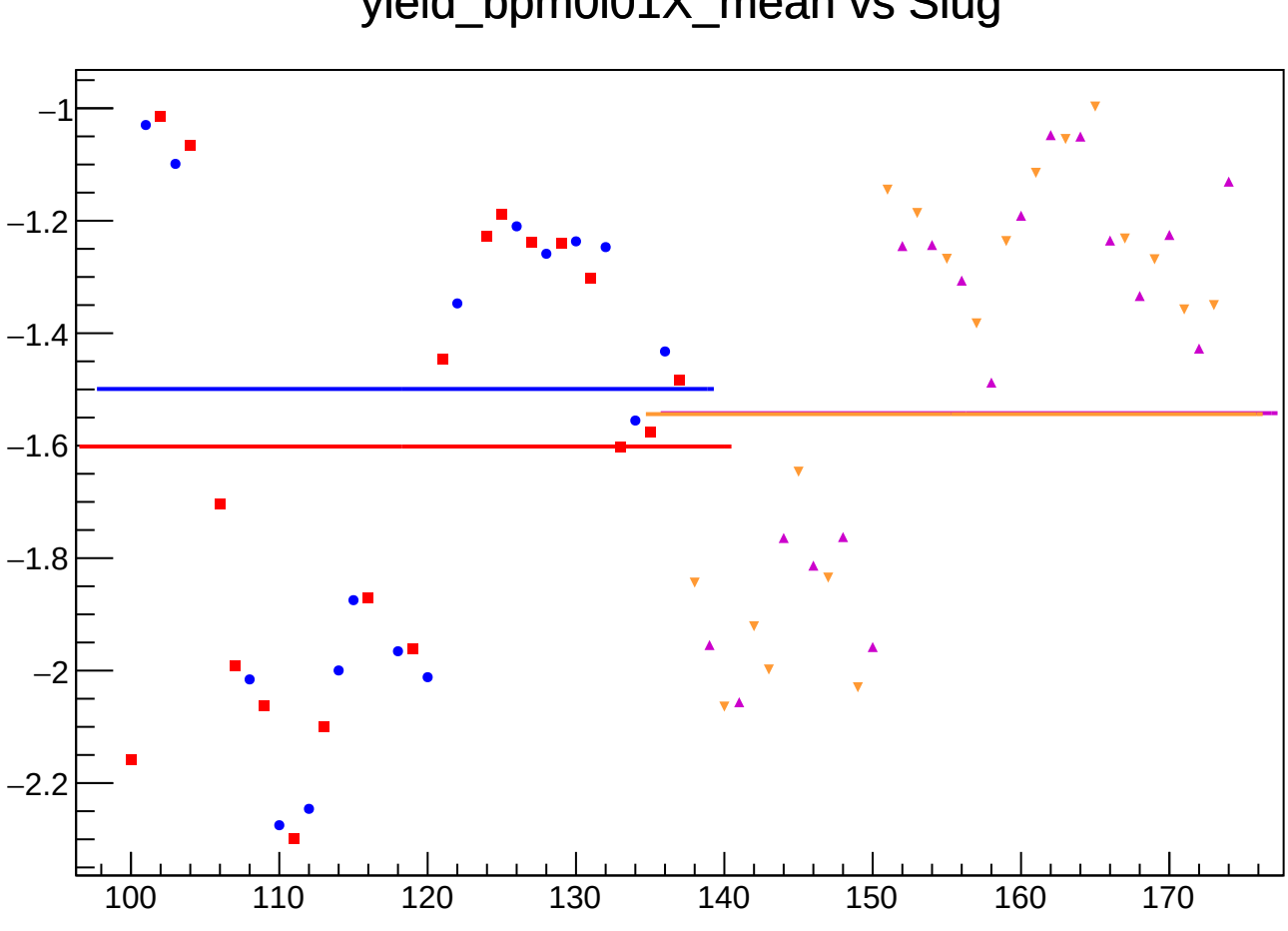
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:2012956.0/17

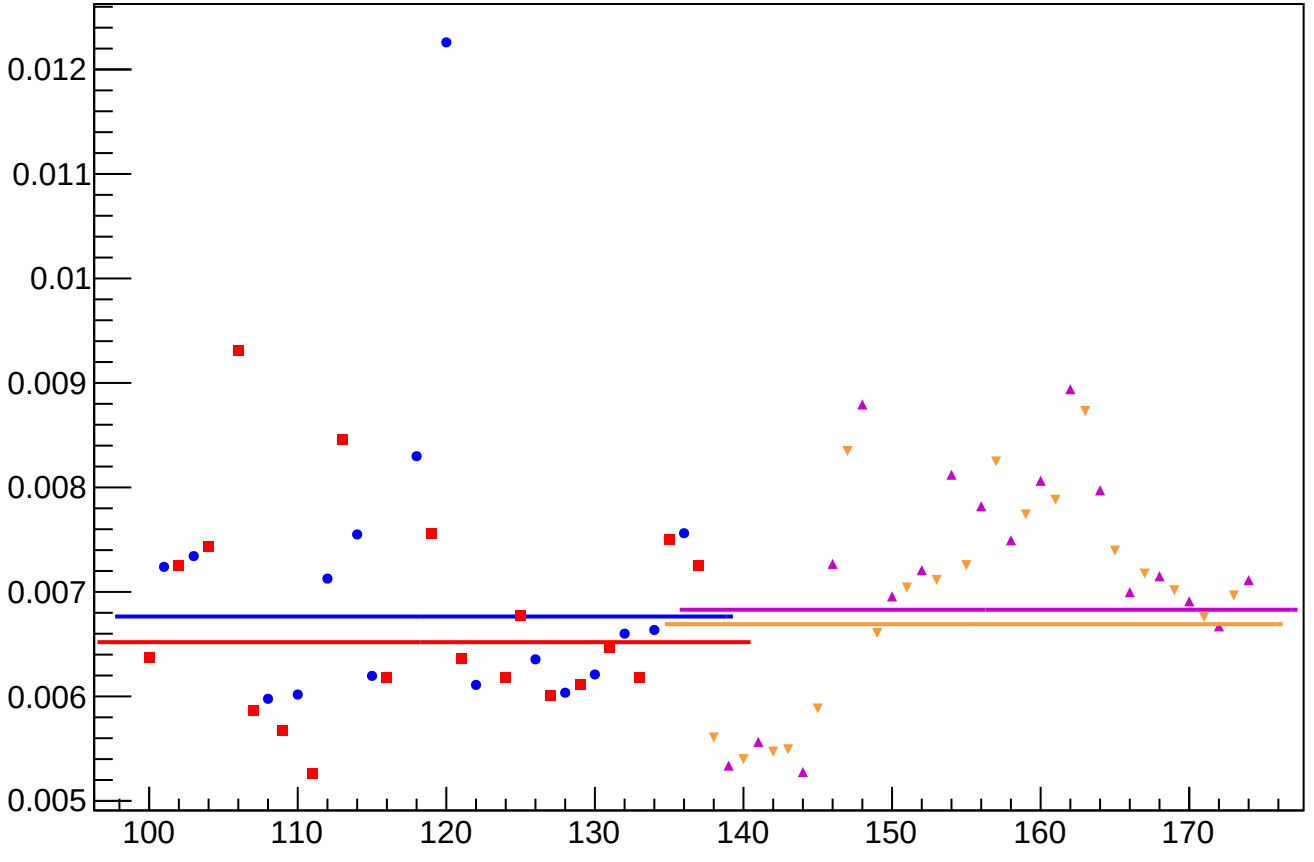
+ sign 0.003+/-0.000 χ^2/NDF: 4278553.0/34

All: 0.003+/-0.000 χ^2/NDF: 8572658.1/71

- 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: -1.544+/-0.000 χ²/NDF:41591827084.9/18
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.542+/-0.000 χ²/NDF:33946044169.1/17
+ sign -1.530+/-0.000 χ²/NDF: 64716568002.9/34
All: -1.547+/-0.000 χ²/NDF: 127608882079.4
- 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:601255.7/18

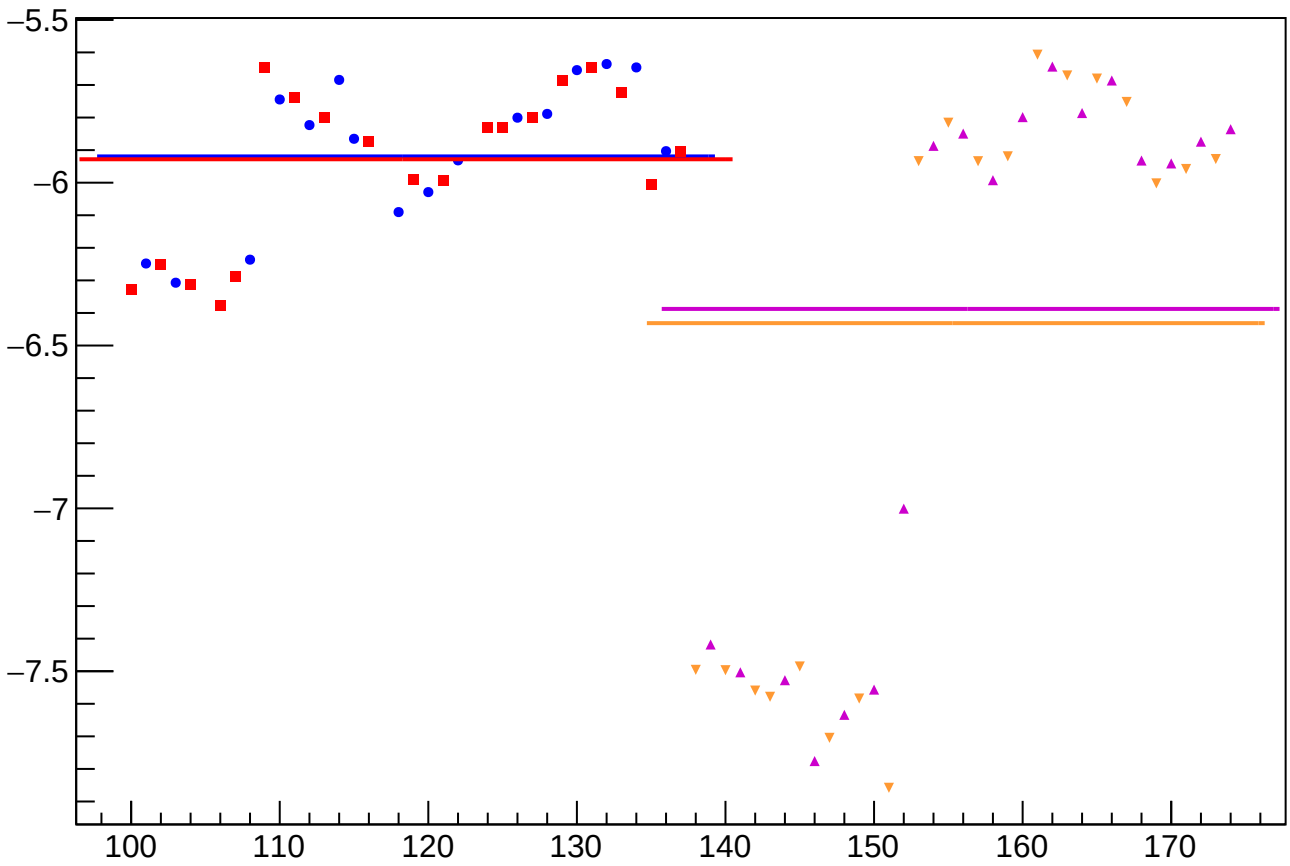
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:682256.7/17

+ sign 0.007+/-0.000 χ^2/NDF: 840860.2/34

All: 0.007+/-0.000 χ^2/NDF: 1788672.4/71

- 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: -6.431+/-0.000 χ^2/NDF:103435593401.8/18

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

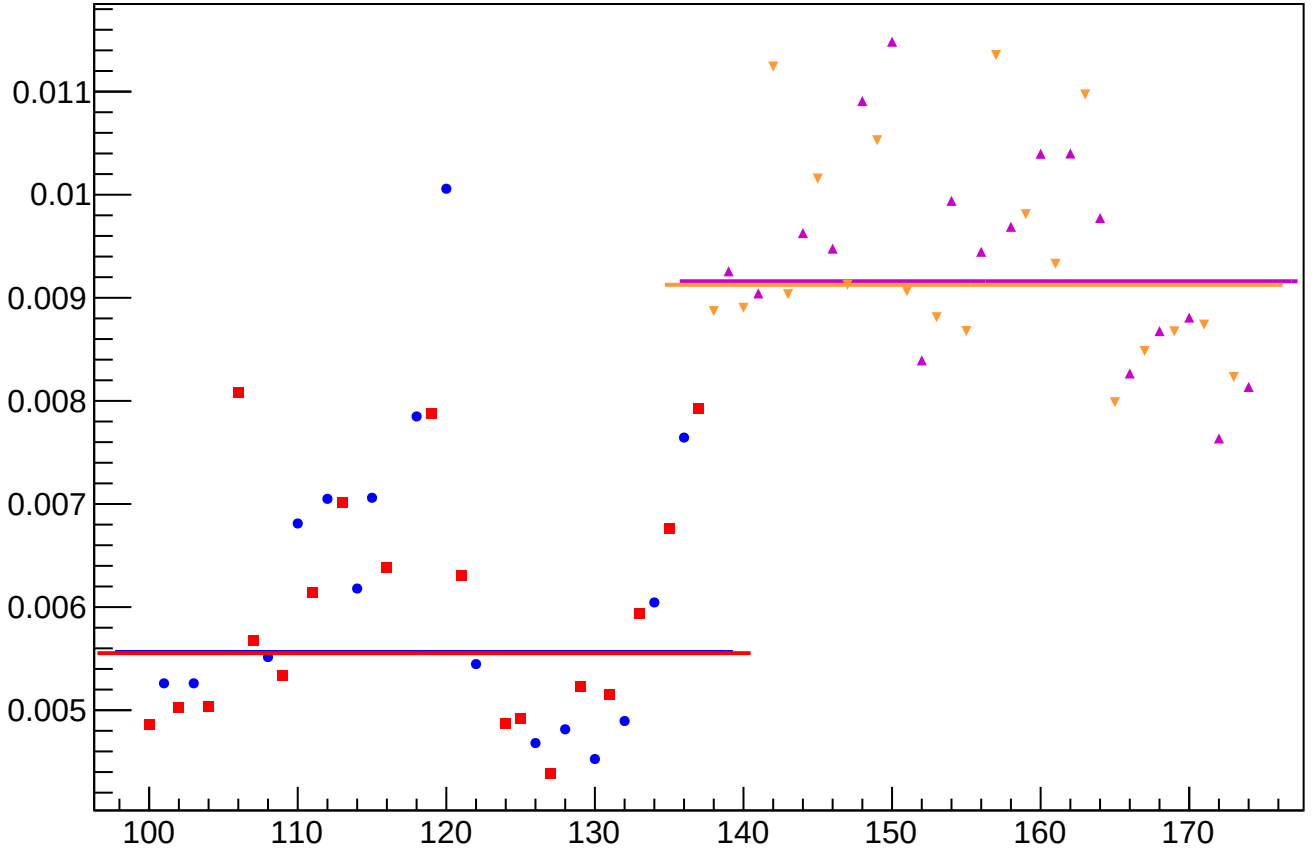
Left In: -6.388+/-0.000 χ^2/NDF:87348461577.1/17

+ sign -6.137+/-0.000 χ^2/NDF: 137214348262.0/34

All: -6.126+/-0.000 χ^2/NDF: 255438920429.9

- 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:219754.7/18

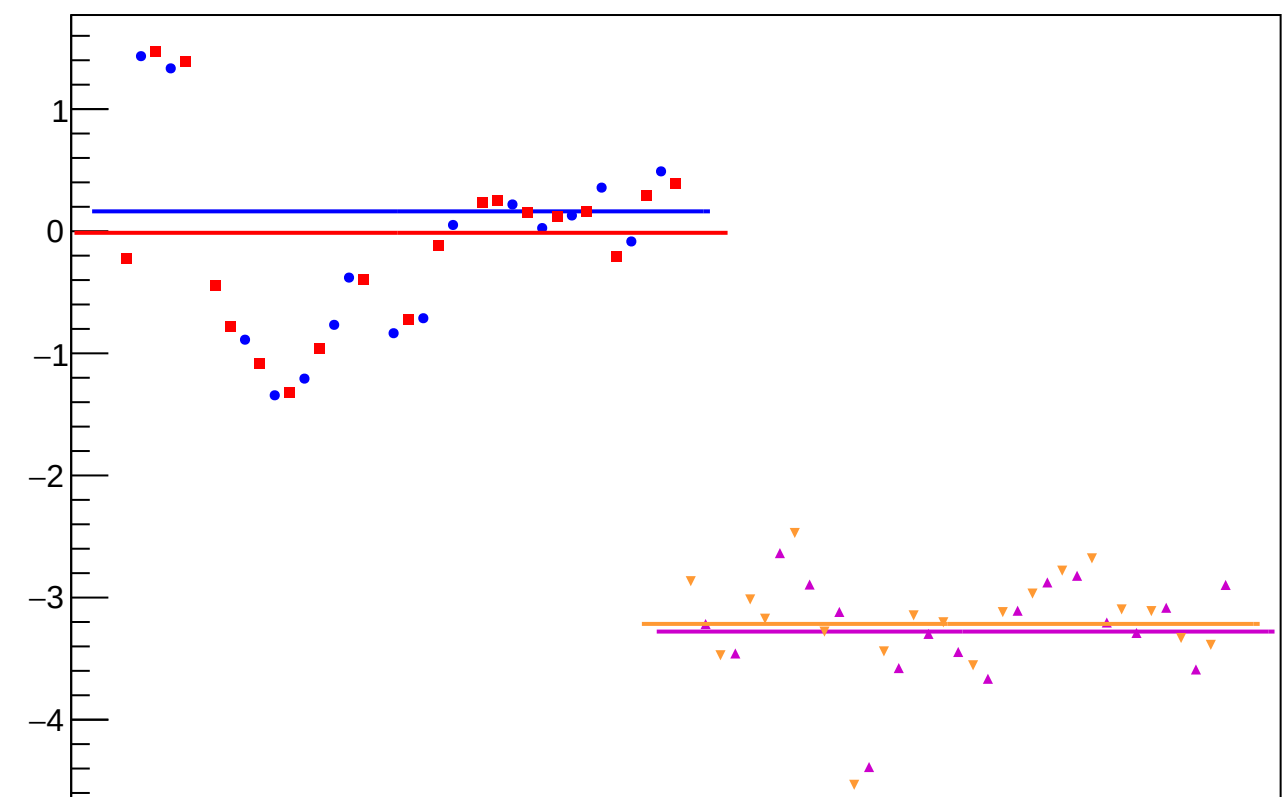
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:273788.1/17

+ sign 0.007+/-0.000 χ^2/NDF: 2849231.8/34

All: 0.007+/-0.000 χ^2/NDF: 5726788.5/71

- 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: -3.216+/-0.000 χ^2/NDF:8279125889.5/18

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

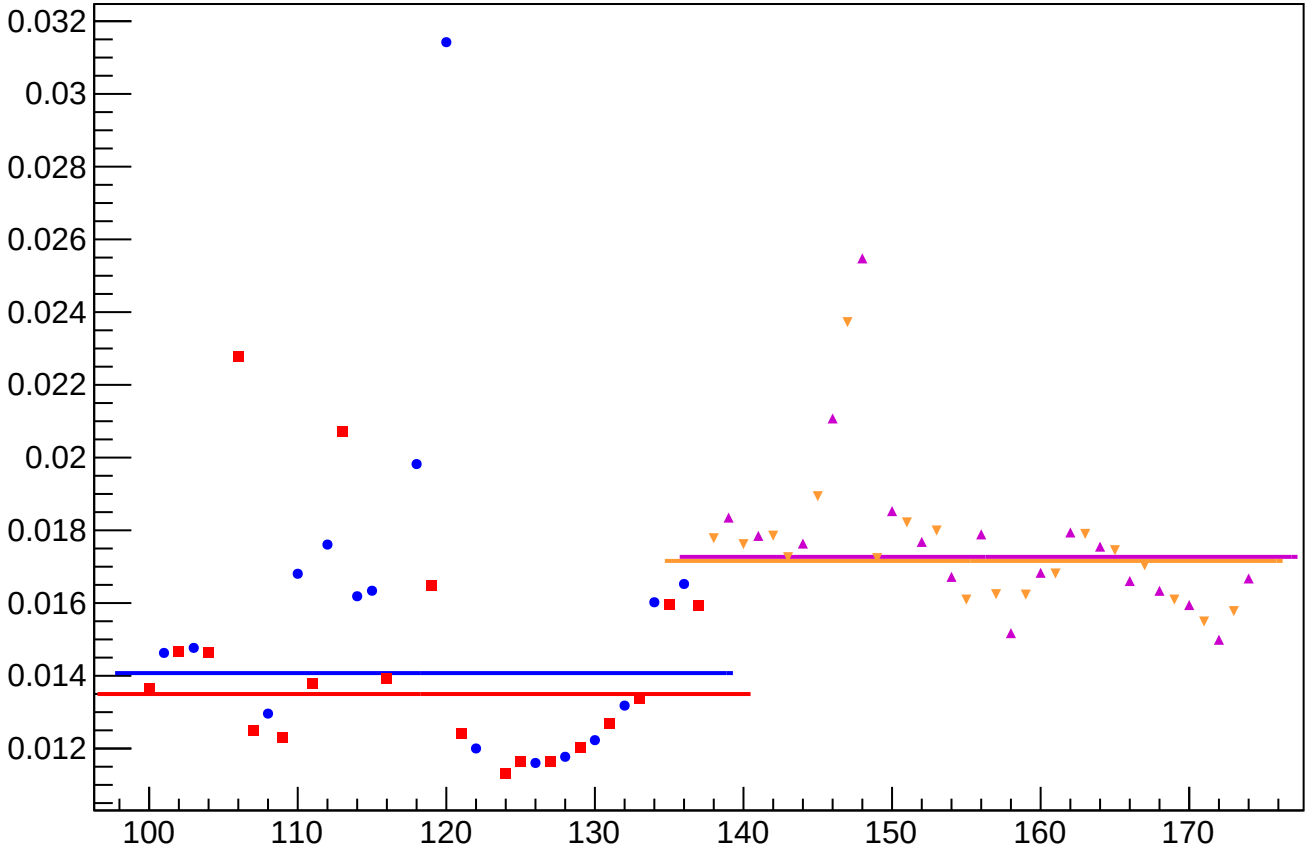
Left In: -3.278+/-0.000 χ^2/NDF:7195665519.3/17

+ sign -1.878+/-0.000 χ^2/NDF: 245669155036.7/34

All: -1.859+/-0.000 χ^2/NDF: 497446325861.2

- 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:199617.1/18

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

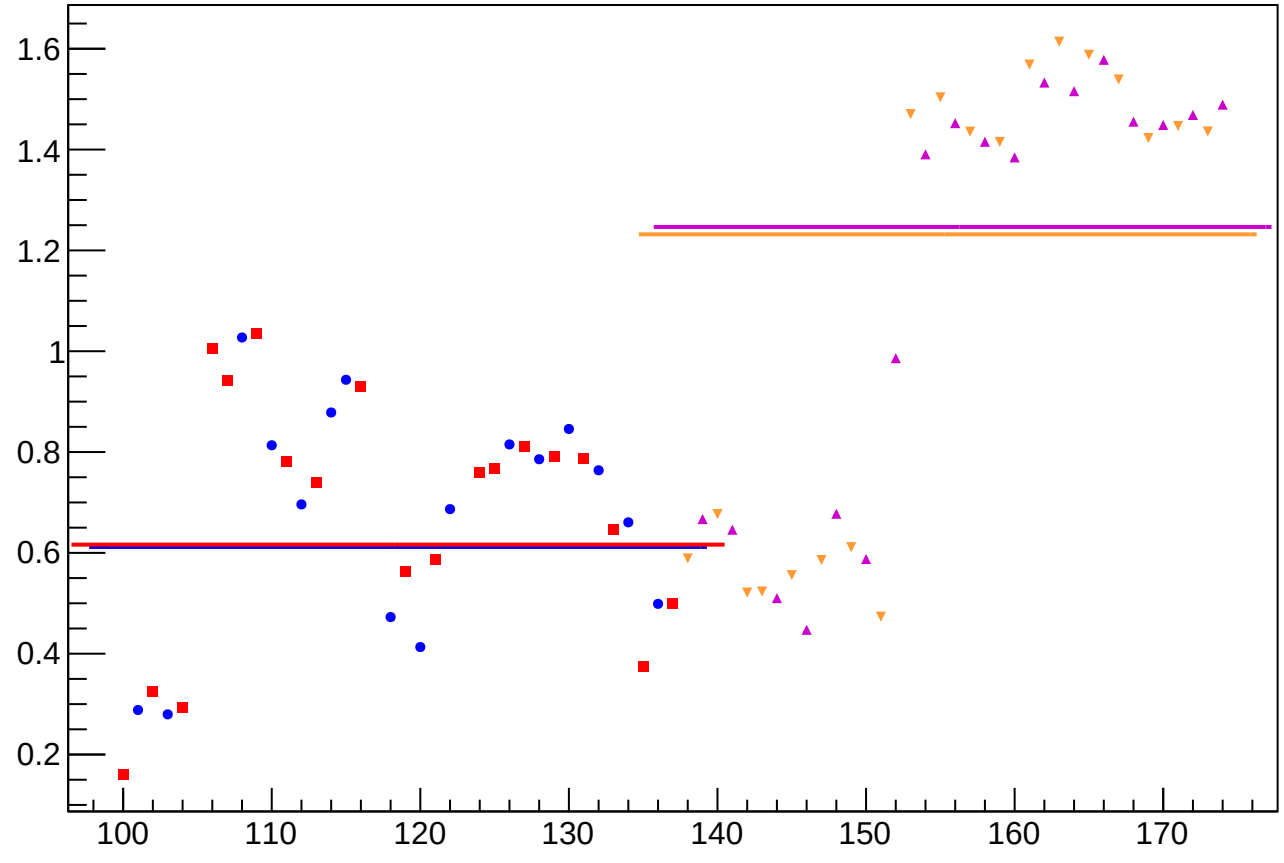
Left In: 0.017+/-0.000 χ^2/NDF:322211.2/17

+ sign 0.016+/-0.000 χ^2/NDF: 1031034.9/34

All: 0.016+/-0.000 χ^2/NDF: 2269288.7/71

- sign 0.016+/-0.000 χ^2/NDF: 1229451.4/36

yield_bpm0l02Y_mean vs Slug



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.232+/-0.000 χ^2/NDF:43990414383.0/18

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

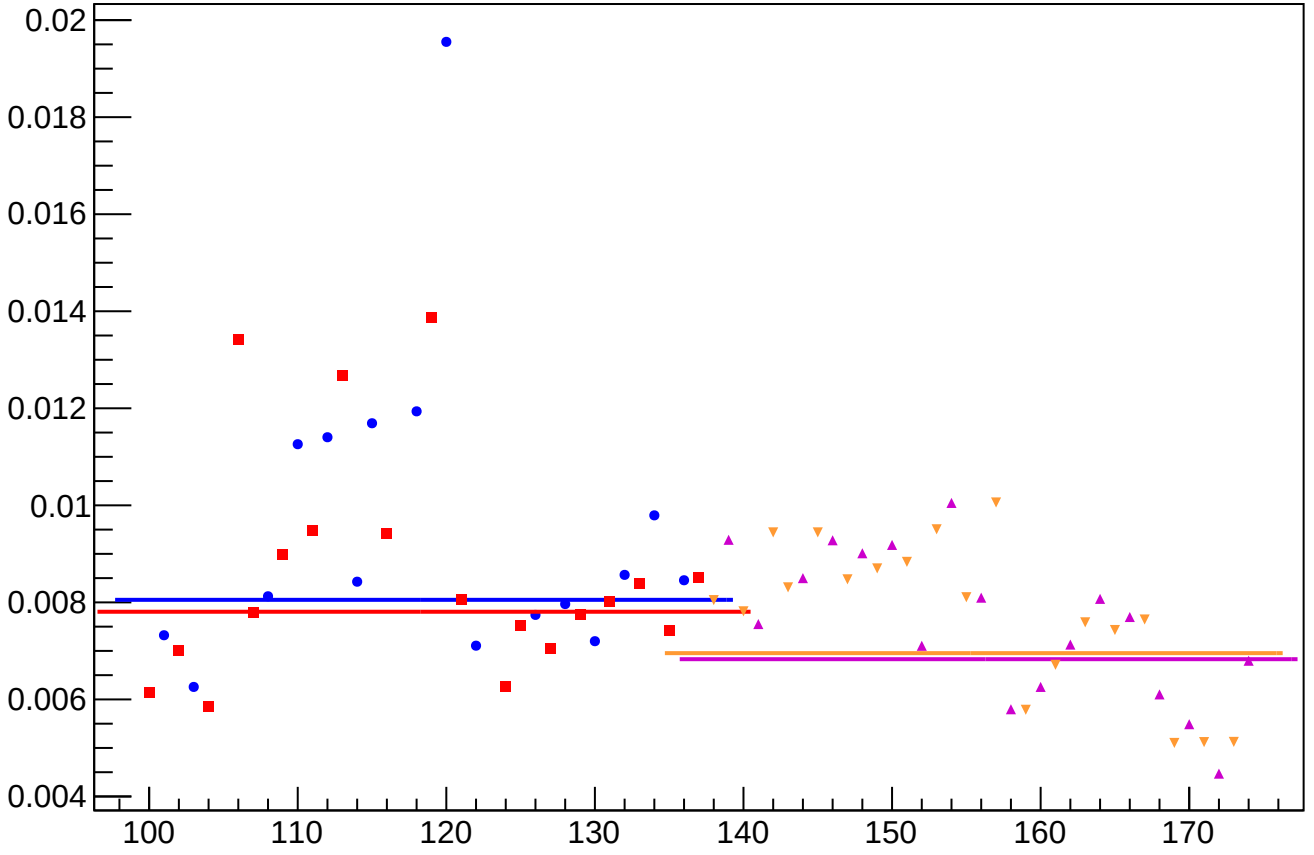
Left In: 1.246+/-0.000 χ^2/NDF:36899880643.2/17

+ sign 1.069+/-0.000 χ^2/NDF: 76432453304.2/34

All: 1.071+/-0.000 χ^2/NDF: 150041464728.5

- 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:1388016.6/18

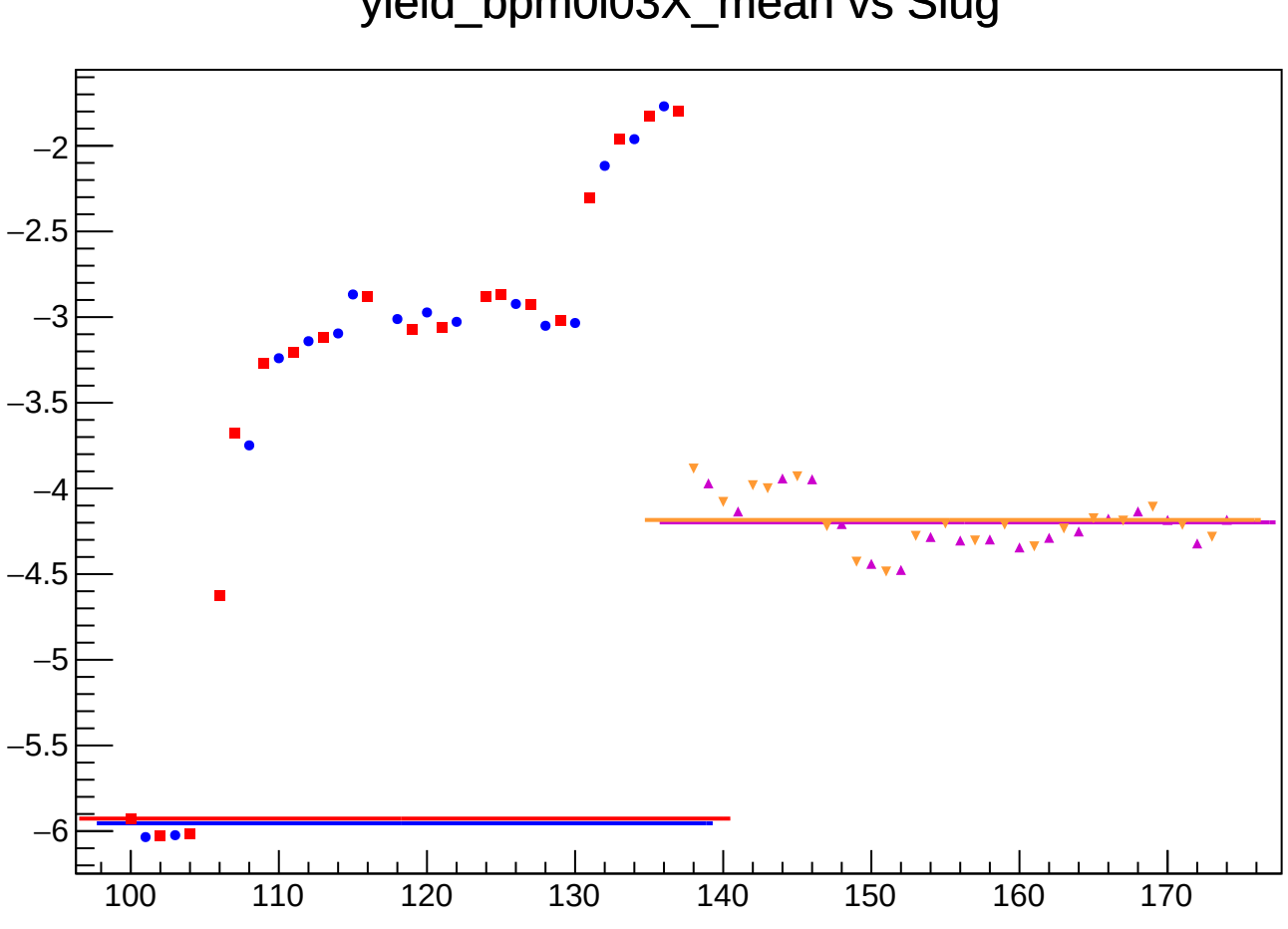
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1362862.5/17

+ sign 0.007+/-0.000 χ^2/NDF: 2154626.5/34

All: 0.007+/-0.000 χ^2/NDF: 4258214.5/71

- 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: -4.184+/-0.000 χ^2/NDF:53845180.4/18

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

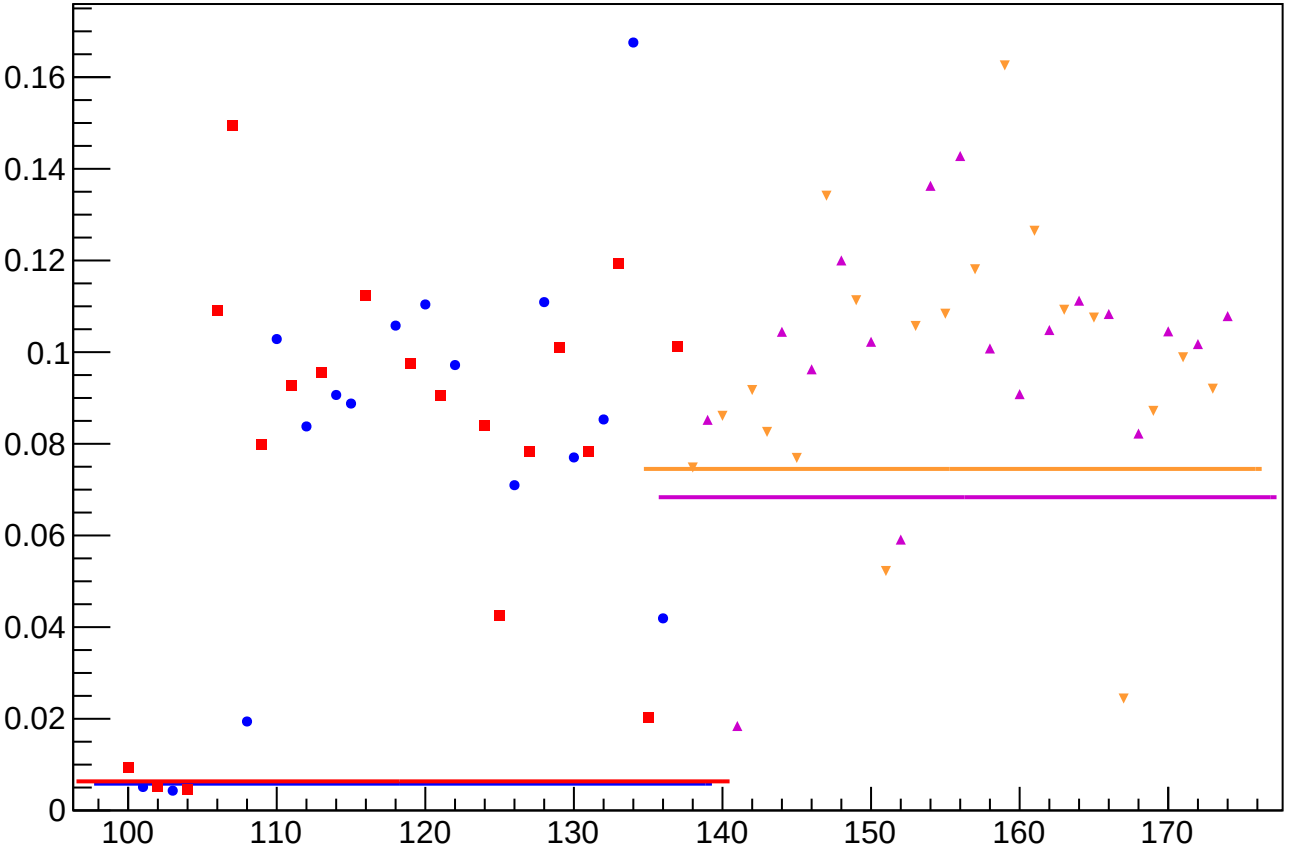
Left In: -4.198+/-0.000 χ^2/NDF:41515018.8/17

+ sign -5.893+/-0.000 χ^2/NDF: 18771008396.9/34

All: -5.874+/-0.000 χ^2/NDF: 38238997405.4/

- 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: 0.075+/-0.000 χ^2/NDF:4396716.8/18

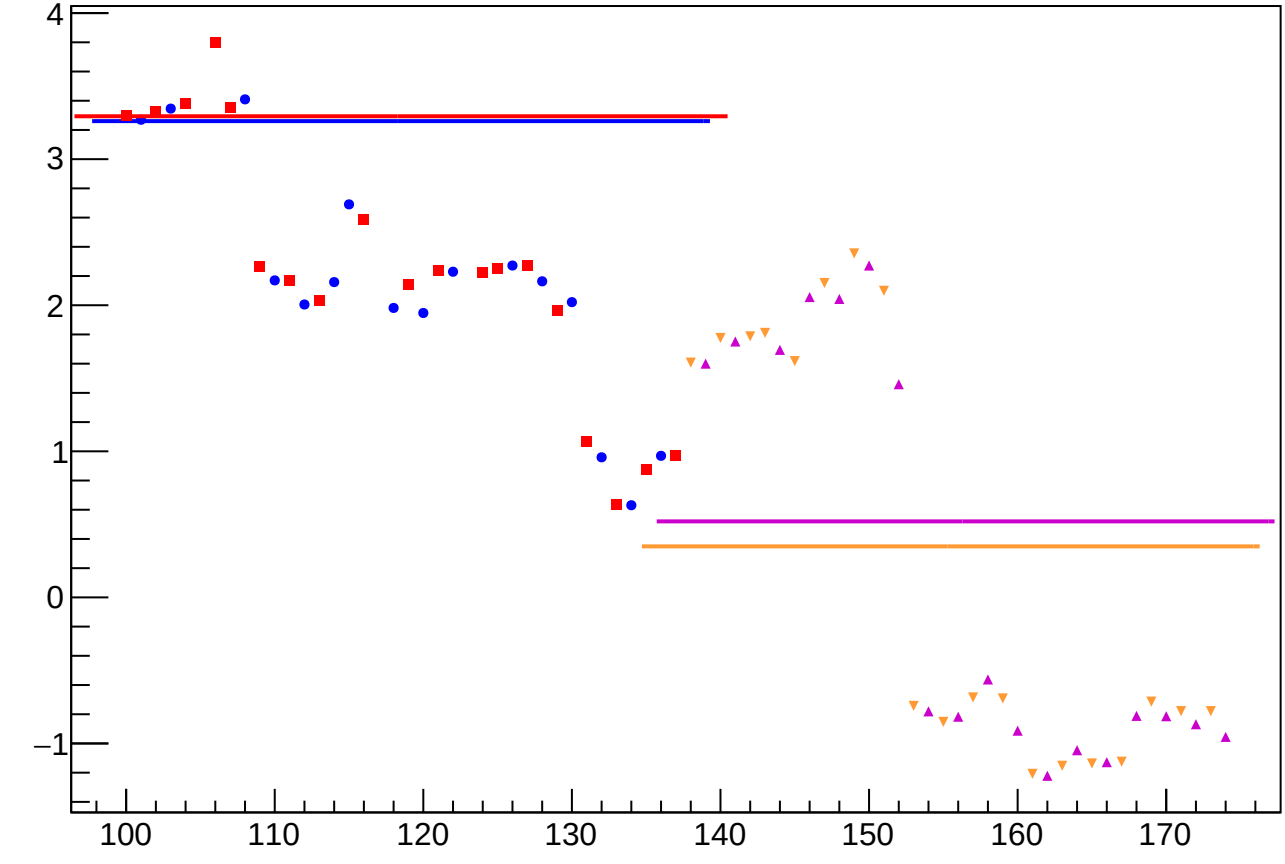
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.068+/-0.000 χ^2/NDF:6281390.4/17

+ sign 0.008+/-0.000 χ^2/NDF: 30008936.6/34

All: 0.009+/-0.000 χ^2/NDF: 59129067.6/71

- sign 0.009+/-0.000 χ^2/NDF: 29089788.0/36



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.349+/-0.000 χ^2/NDF:3143275395.4/18

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

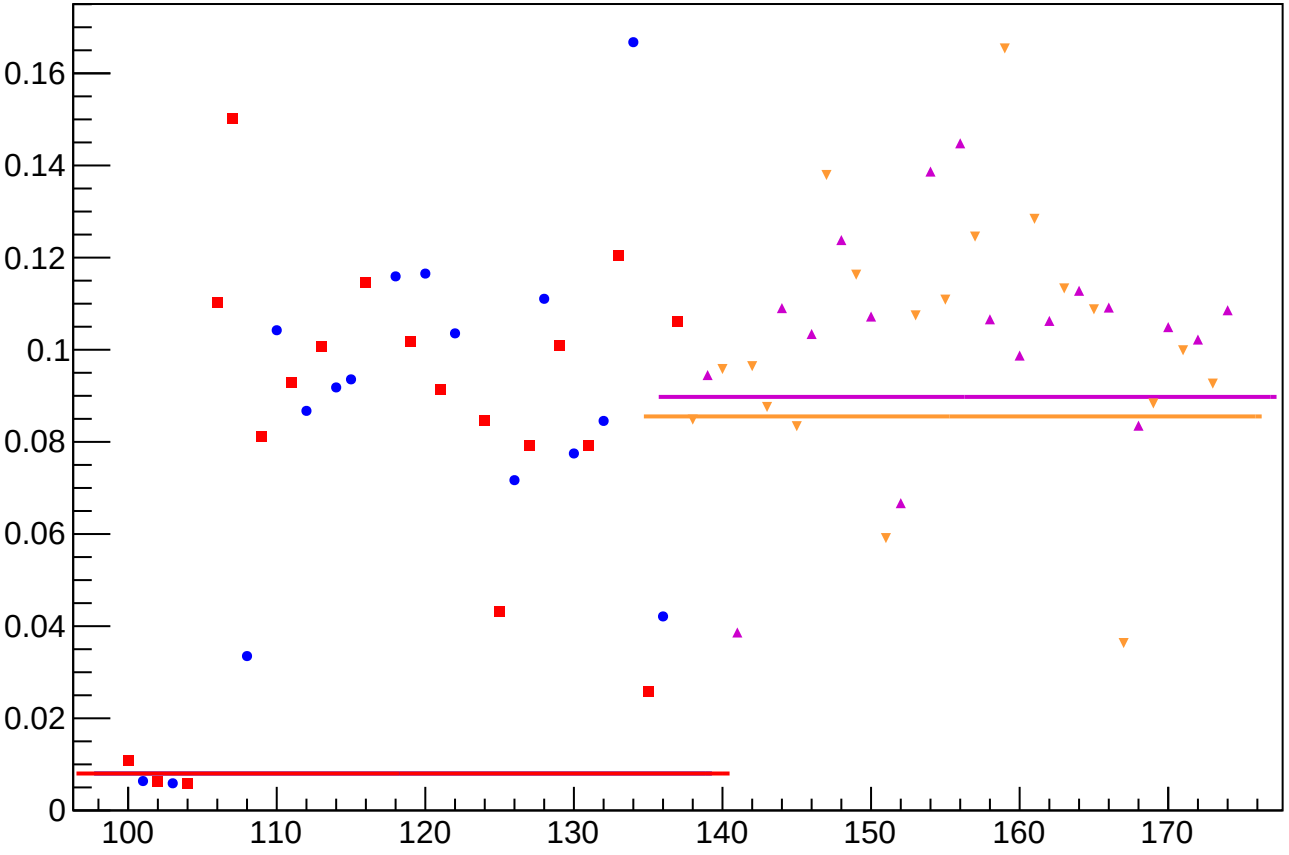
Left In: 0.520+/-0.000 χ^2/NDF:2496618126.8/17

+ sign 3.122+/-0.000 χ^2/NDF: 18638974802.3/34

All: 3.145+/-0.000 χ^2/NDF: 34570570031.6/7

- sign 3.168+/-0.000 χ^2/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:2793787.1/18

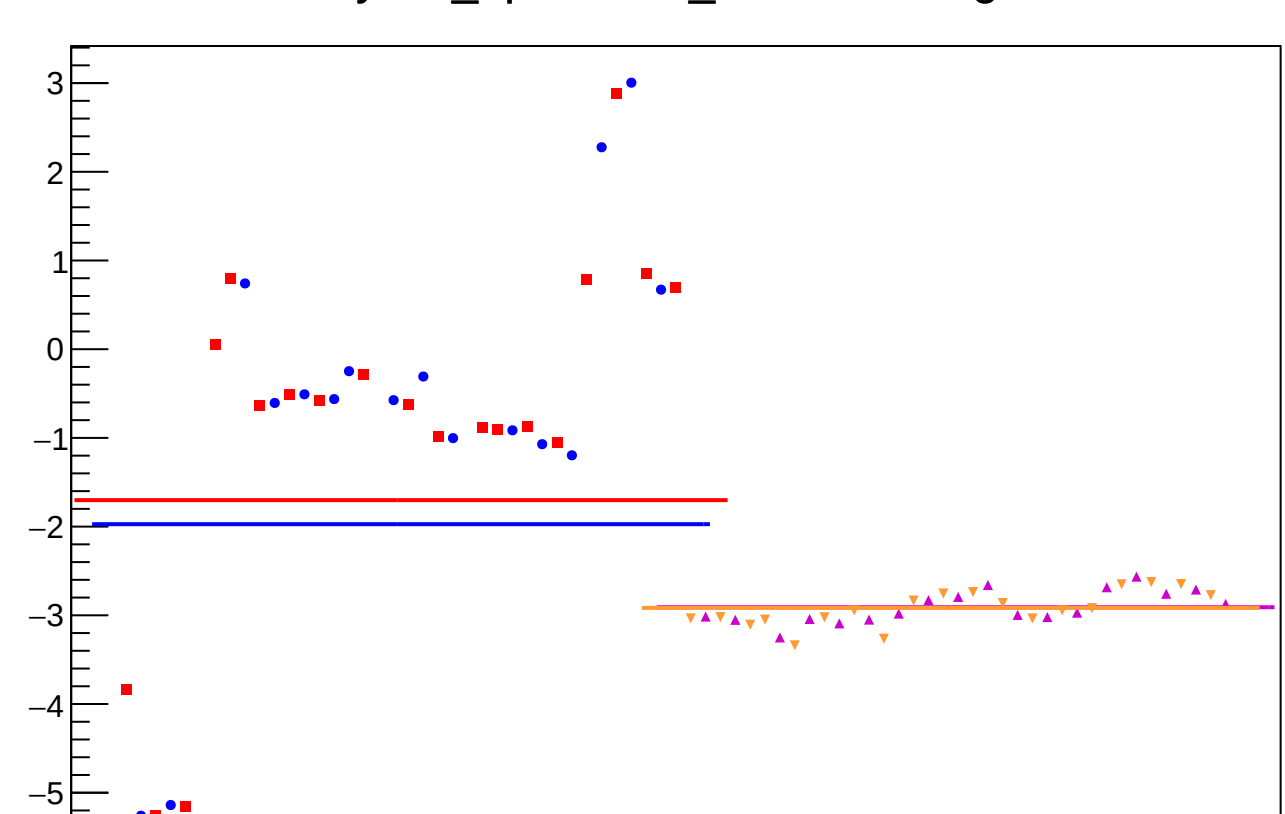
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.090+/-0.000 χ^2/NDF:2365118.1/17

+ sign 0.012+/-0.000 χ^2/NDF: 28907132.5/34

All: 0.012+/-0.000 χ^2/NDF: 57464583.3/71

- 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: -2.916+/-0.000 χ^2/NDF:8834015355.2/18

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

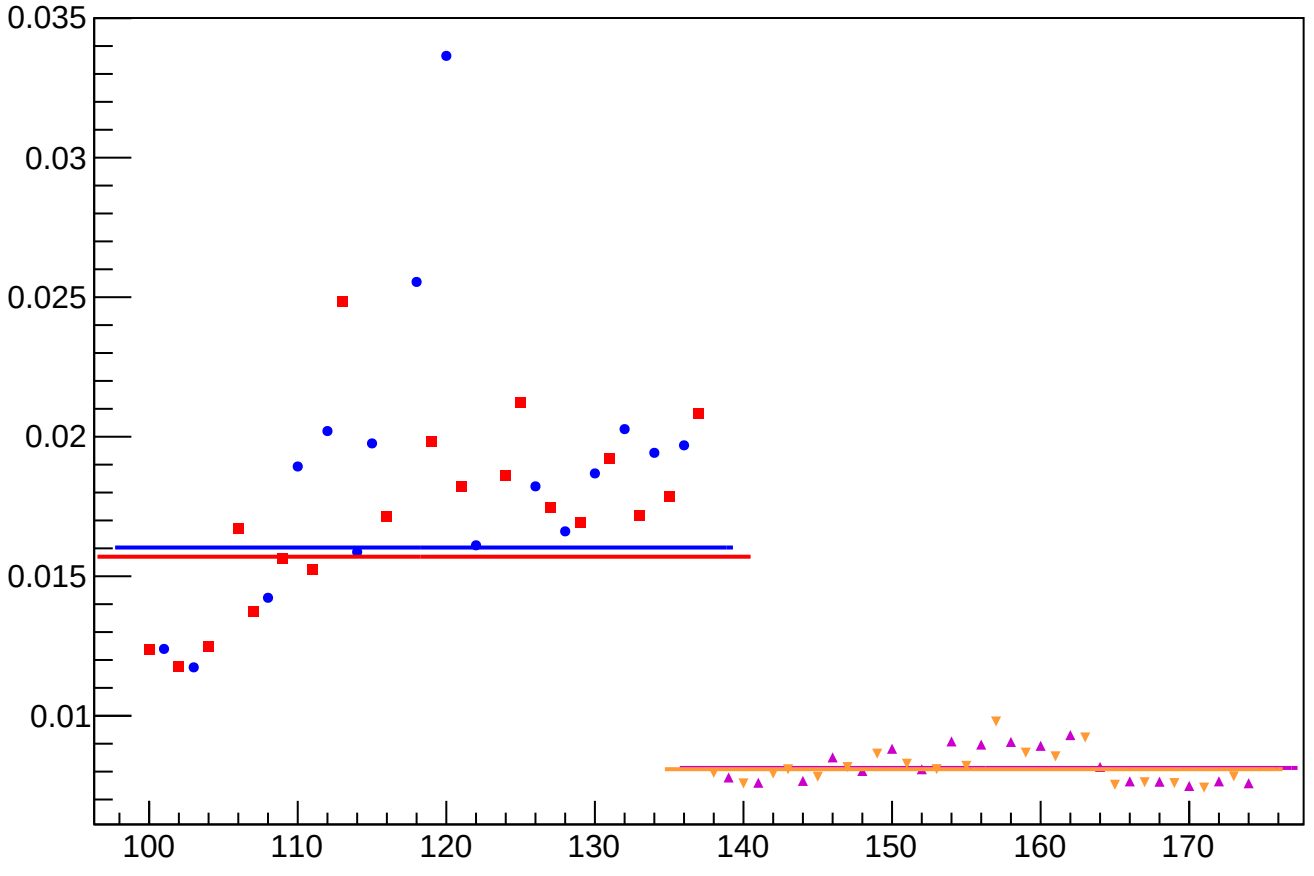
Left In: -2.909+/-0.000 χ^2/NDF:7199169642.6/17

+ sign -2.827+/-0.000 χ^2/NDF: 189078325280.7/34

All: -2.803+/-0.000 χ^2/NDF: 398312102673.3

- 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:133080.8/18

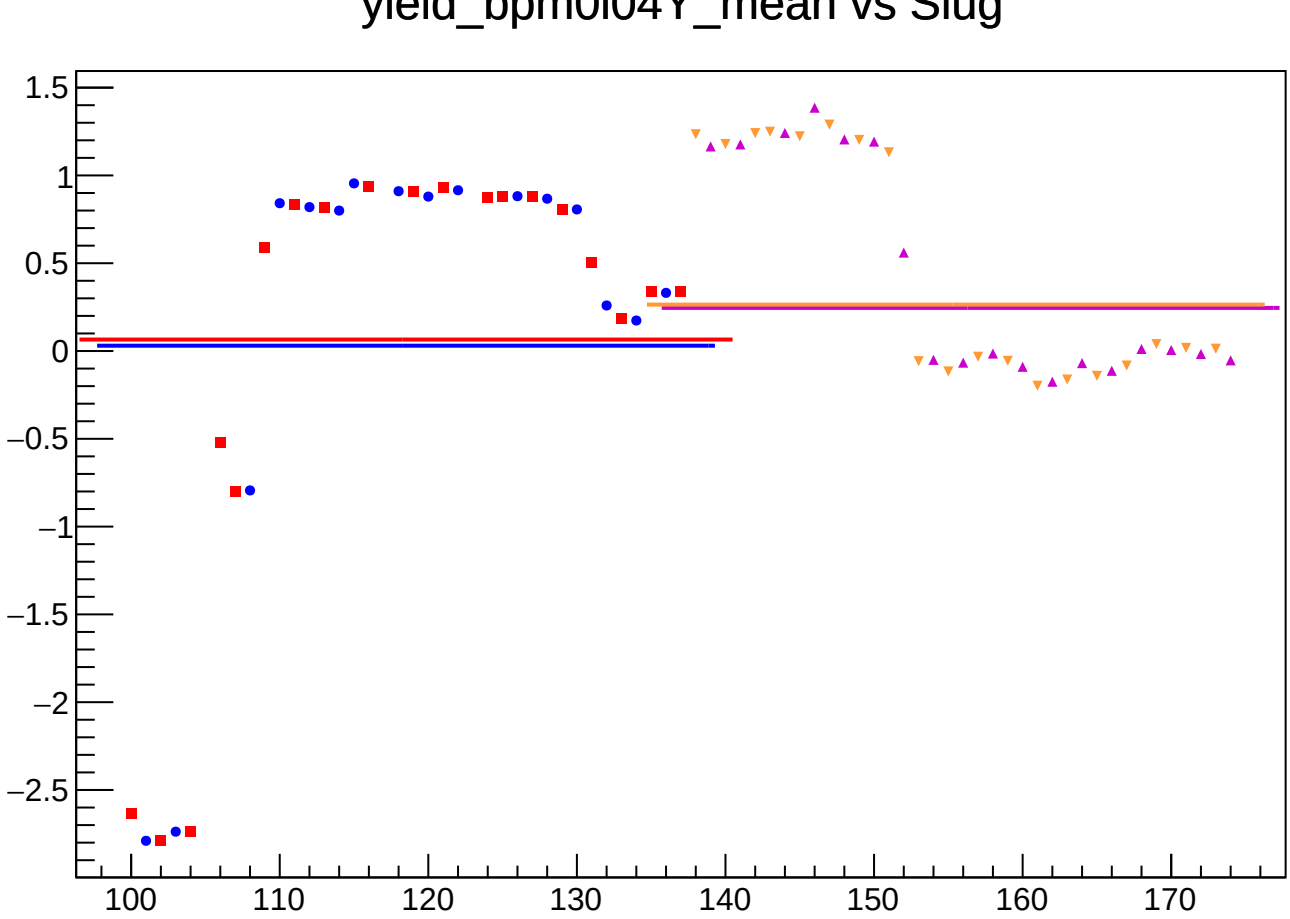
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:155044.4/17

+ sign 0.009+/-0.000 χ^2/NDF: 3458396.2/34

All: 0.009+/-0.000 χ^2/NDF: 6762114.9/71

- 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: 0.264+/-0.000 χ^2/NDF:99001125361.5/18

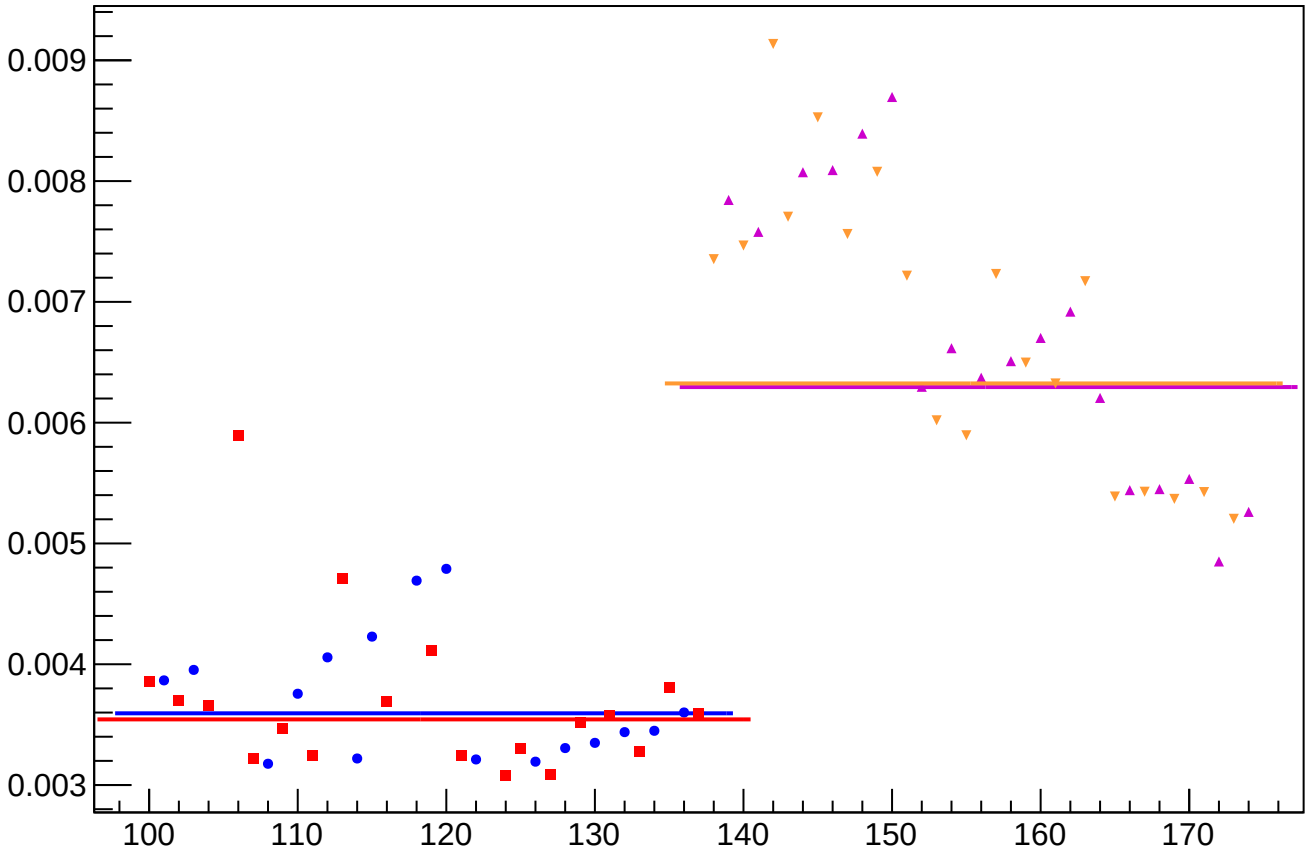
Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.245+/-0.000 χ^2/NDF:85002177144.5/17

+ sign 0.119+/-0.000 χ^2/NDF: 961456097967.7/34

All: 0.125+/-0.000 χ^2/NDF: 1988582977165.

- sign 0.131+/-0.000 χ^2/NDF: 1027065020883.8/36



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:663475.9/18

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

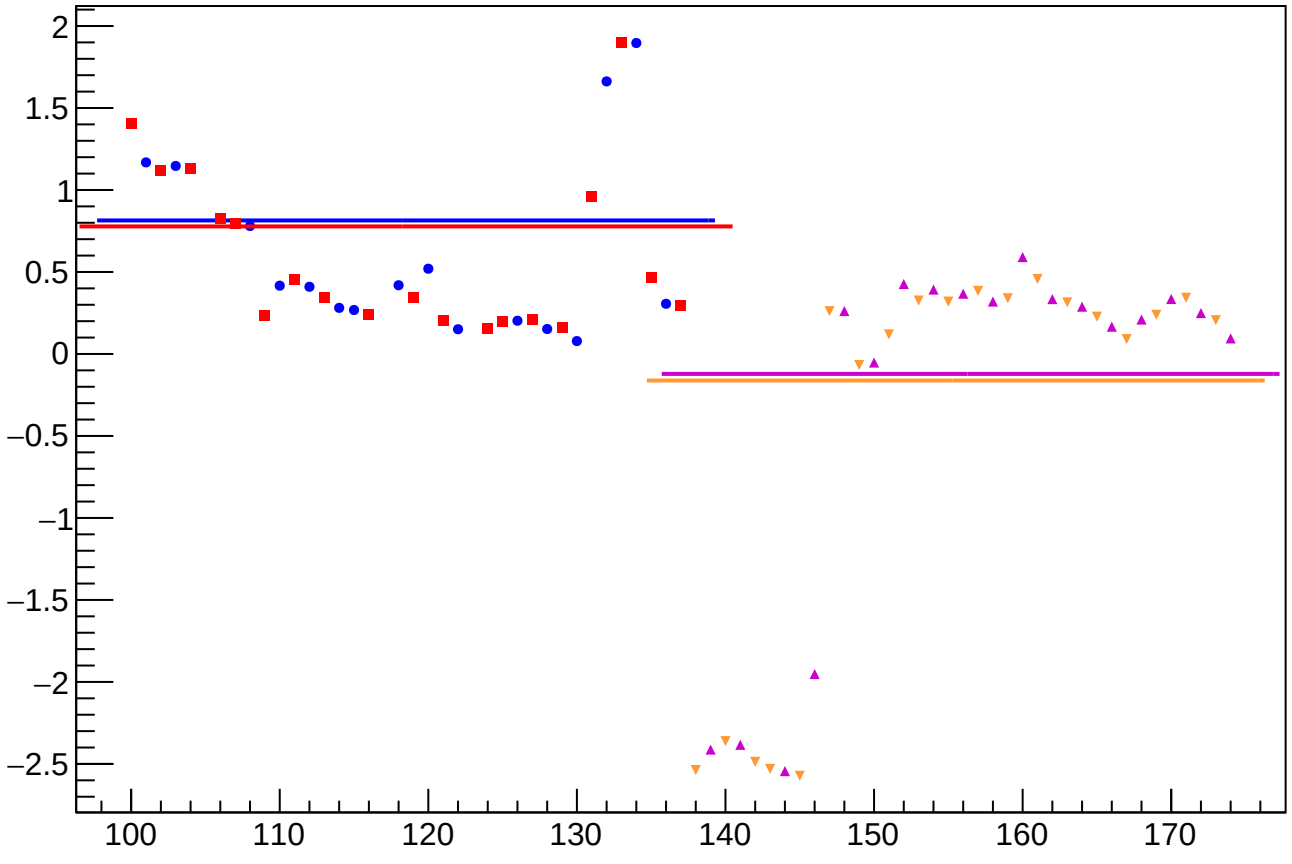
Left In: 0.006+/-0.000 χ^2/NDF:757860.1/17

+ sign 0.005+/-0.000 χ^2/NDF: 3777875.7/34

All: 0.005+/-0.000 χ^2/NDF: 7837828.1/71

- 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: -0.162+/-0.000 χ^2/NDF:377324158615.9/18

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

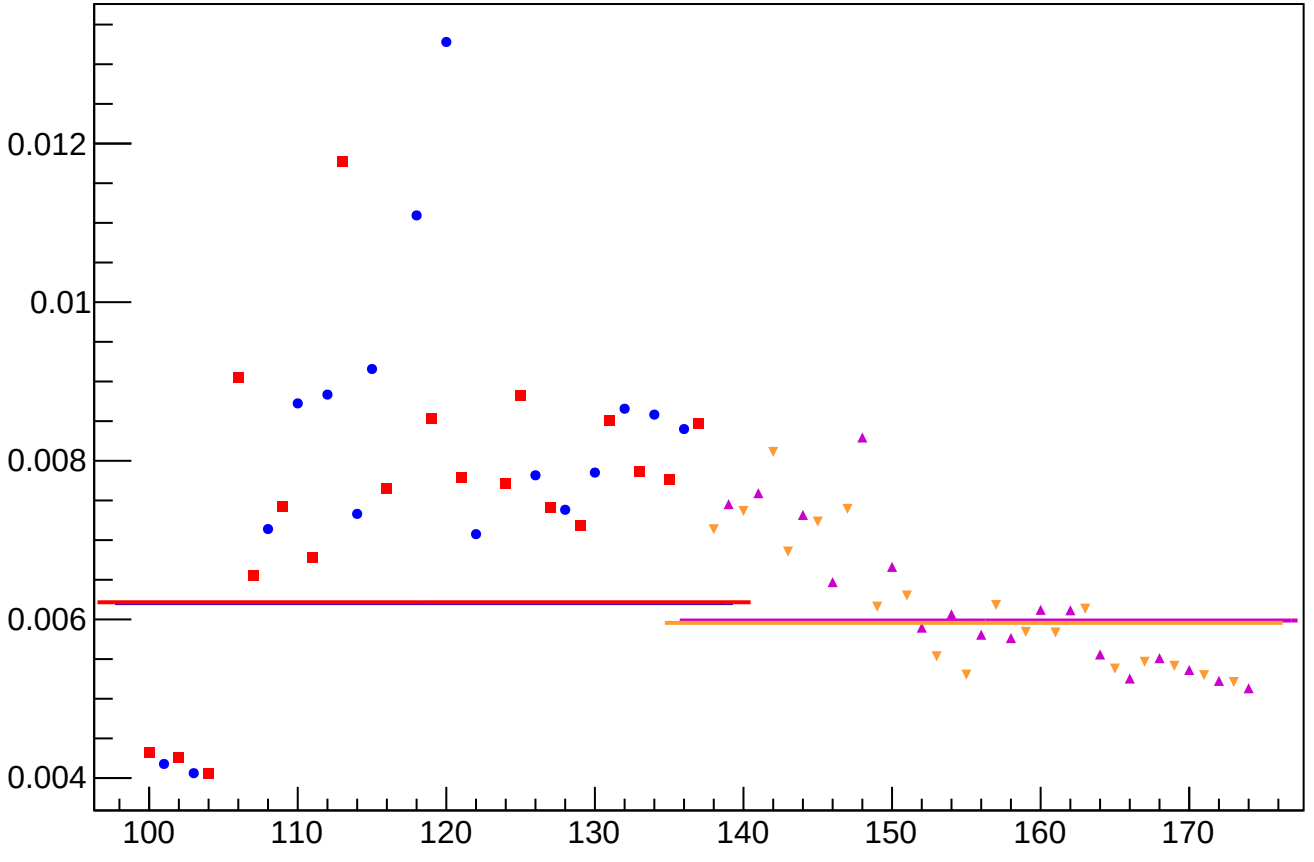
Left In: -0.122+/-0.000 χ^2/NDF:339336044900.4/17

+ sign 0.107+/-0.000 χ^2/NDF: 512312333216.9/34

All: 0.125+/-0.000 χ^2/NDF: 975478310812.3

- 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:398874.5/18

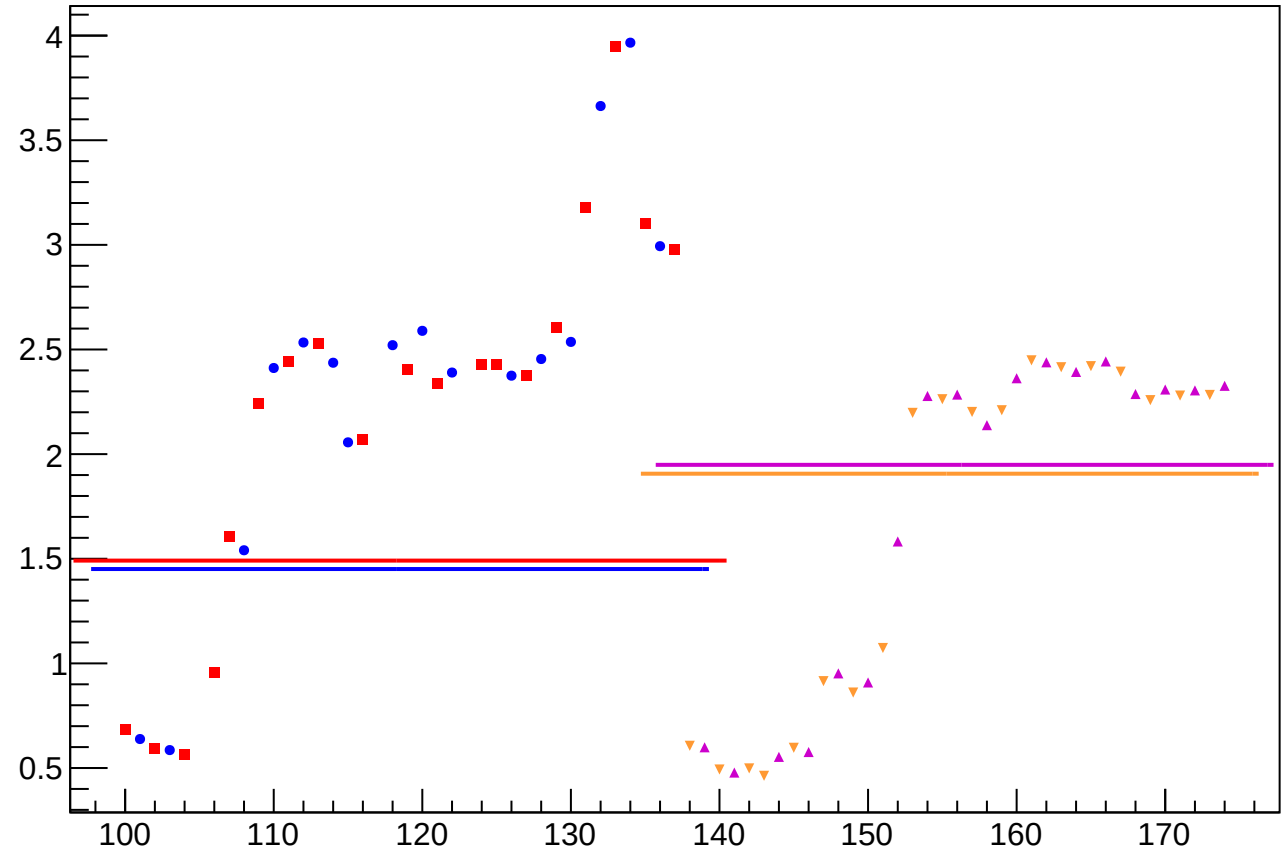
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:463575.9/17

+ sign 0.006+/-0.000 χ^2/NDF: 1835736.4/34

All: 0.006+/-0.000 χ^2/NDF: 3472470.7/71

- 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: 1.906+/-0.000 χ^2/NDF:204383083337.6/18

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

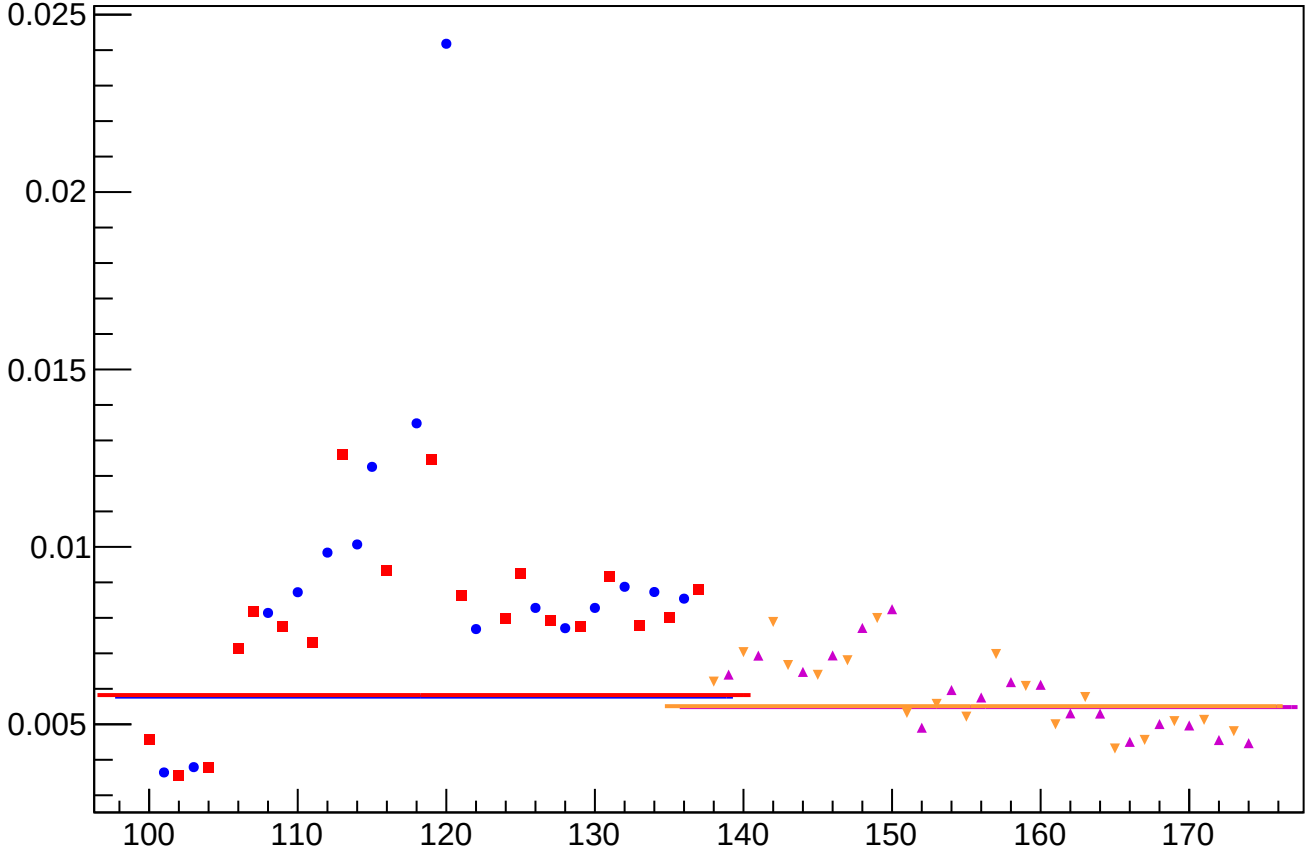
Left In: 1.949+/-0.000 χ^2/NDF:183455924180.2/17

+ sign 1.784+/-0.000 χ^2/NDF: 396744084991.4/34

All: 1.802+/-0.000 χ^2/NDF: 791743434607.2

- 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: 0.006+/-0.000 χ^2/NDF:658955.7/18

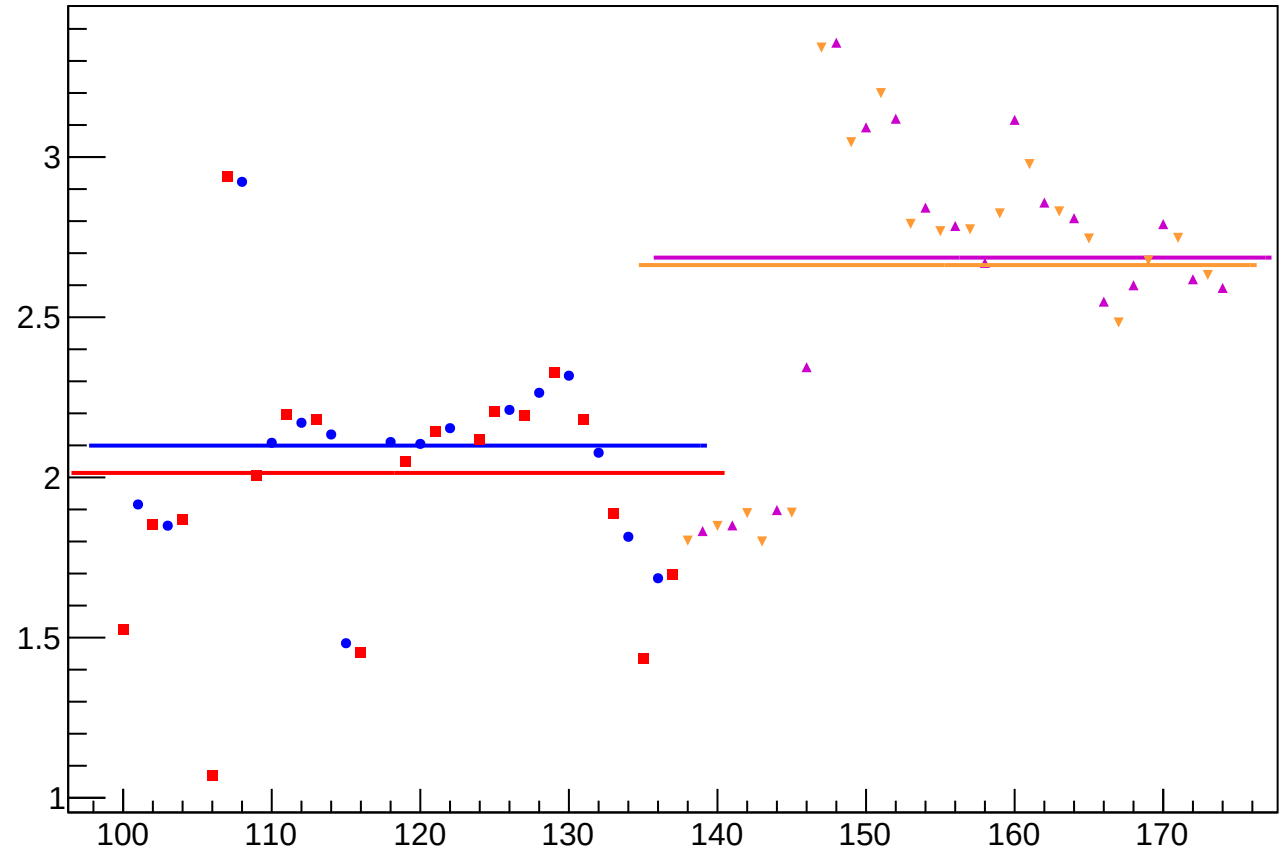
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:741265.9/17

+ sign 0.006+/-0.000 χ^2/NDF: 2888747.3/34

All: 0.006+/-0.000 χ^2/NDF: 5612349.7/71

- 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: 2.663+/-0.000 χ^2/NDF:43547734682.0/18

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

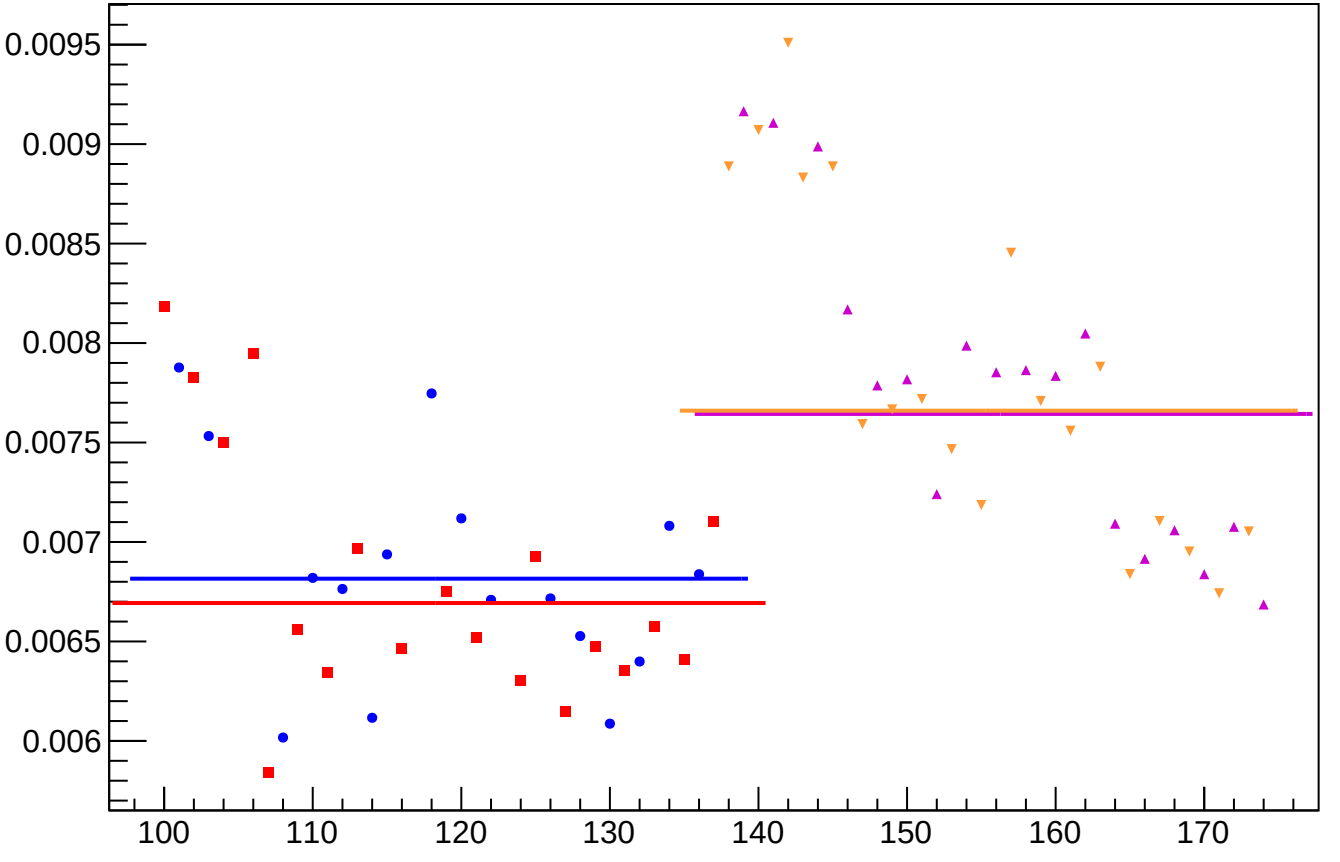
Left In: 2.686+/-0.000 χ^2/NDF:37037412333.9/17

+ sign 2.448+/-0.000 χ^2/NDF: 86371230051.7/34

All: 2.433+/-0.000 χ^2/NDF: 186468085458.8

- 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:255758.6/18

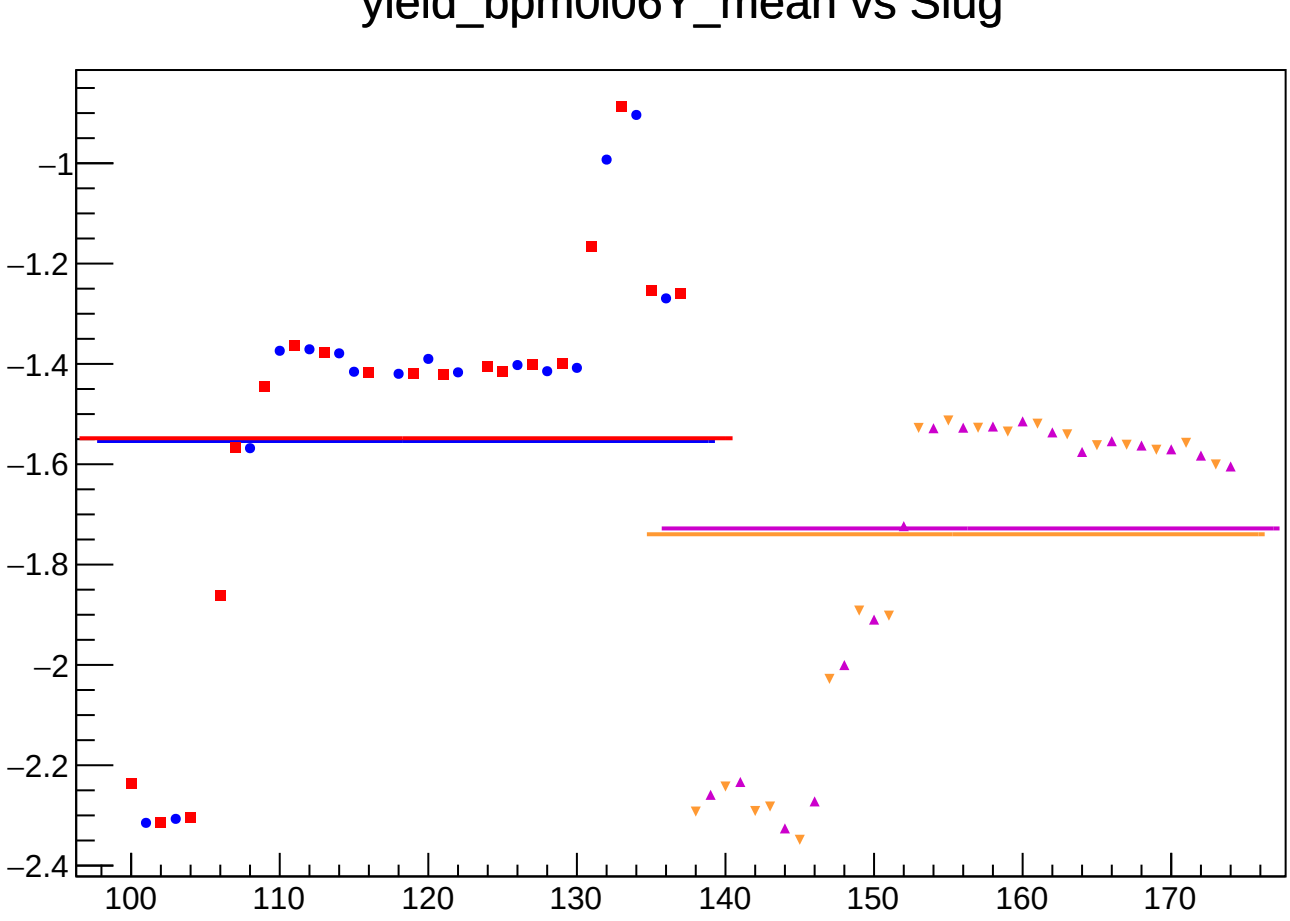
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:245468.7/17

+ sign 0.007+/-0.000 χ^2/NDF: 472335.7/34

All: 0.007+/-0.000 χ^2/NDF: 980861.6/71

- 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: -1.740+/-0.000 χ^2/NDF:145470799229.5/18

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

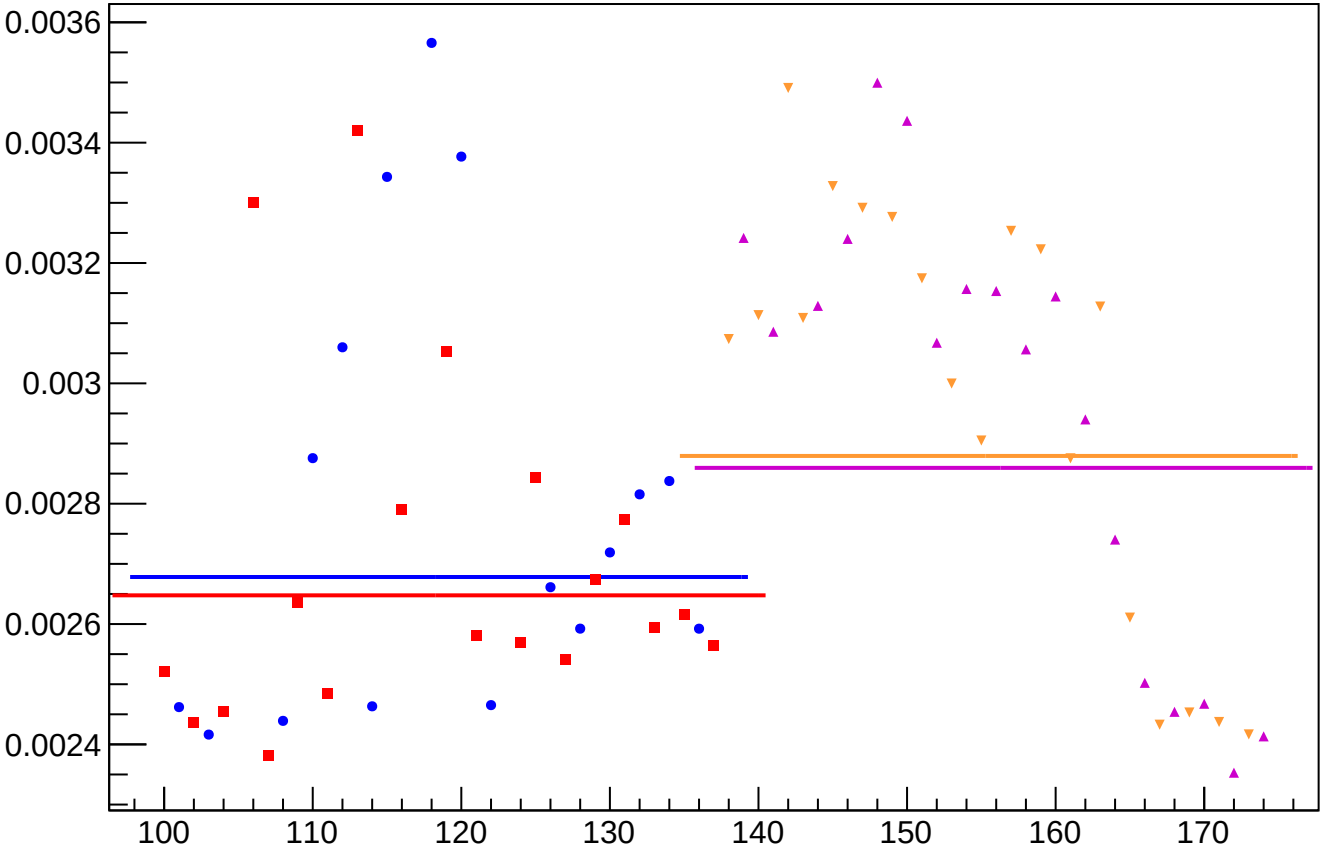
Left In: -1.728+/-0.000 χ^2/NDF:132768462011.1/17

+ sign -1.673+/-0.000 χ^2/NDF: 341339302723.5/34

All: -1.667+/-0.000 χ^2/NDF: 669304197911.4

- 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:404510.3/18

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

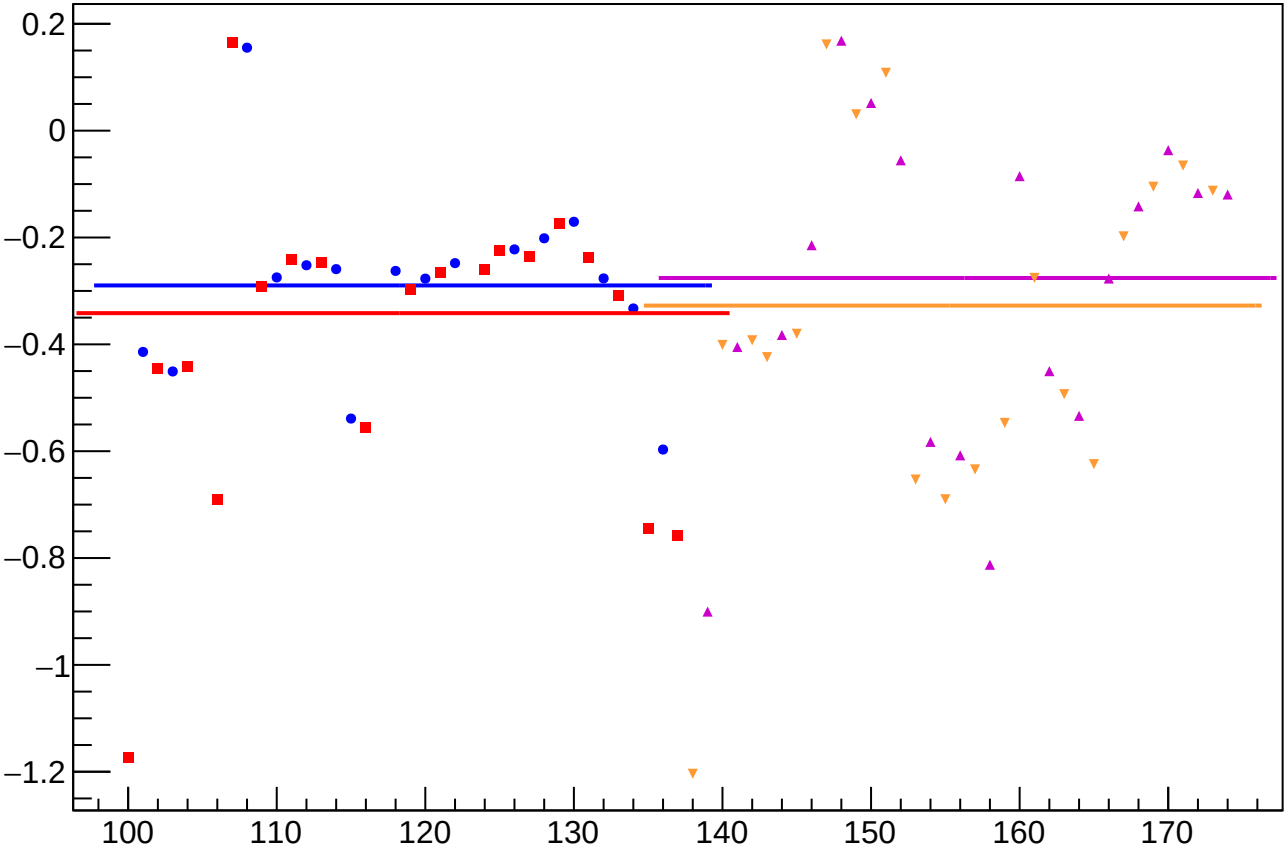
Left In: 0.003+/-0.000 χ^2/NDF:461211.6/17

+ sign 0.003+/-0.000 χ^2/NDF: 610843.9/34

All: 0.003+/-0.000 χ^2/NDF: 1246346.3/71

- 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: -0.327+/-0.000 χ^2/NDF:8681860937.5/18

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

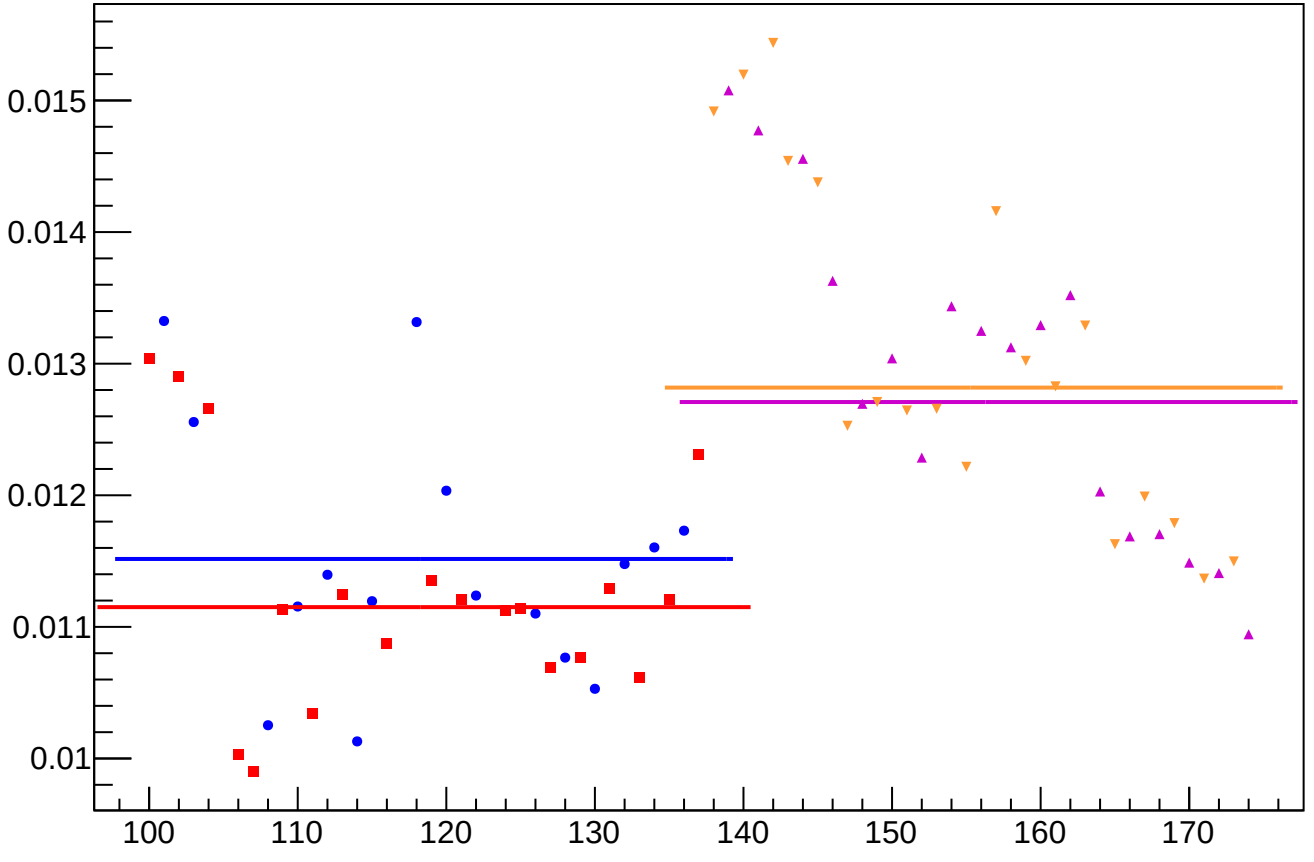
Left In: -0.276+/-0.000 χ^2/NDF:6927064385.9/17

+ sign -0.313+/-0.000 χ^2/NDF: 10373110039.4/34

All: -0.308+/-0.000 χ^2/NDF: 20068830887.0/

- 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:225733.6/18

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

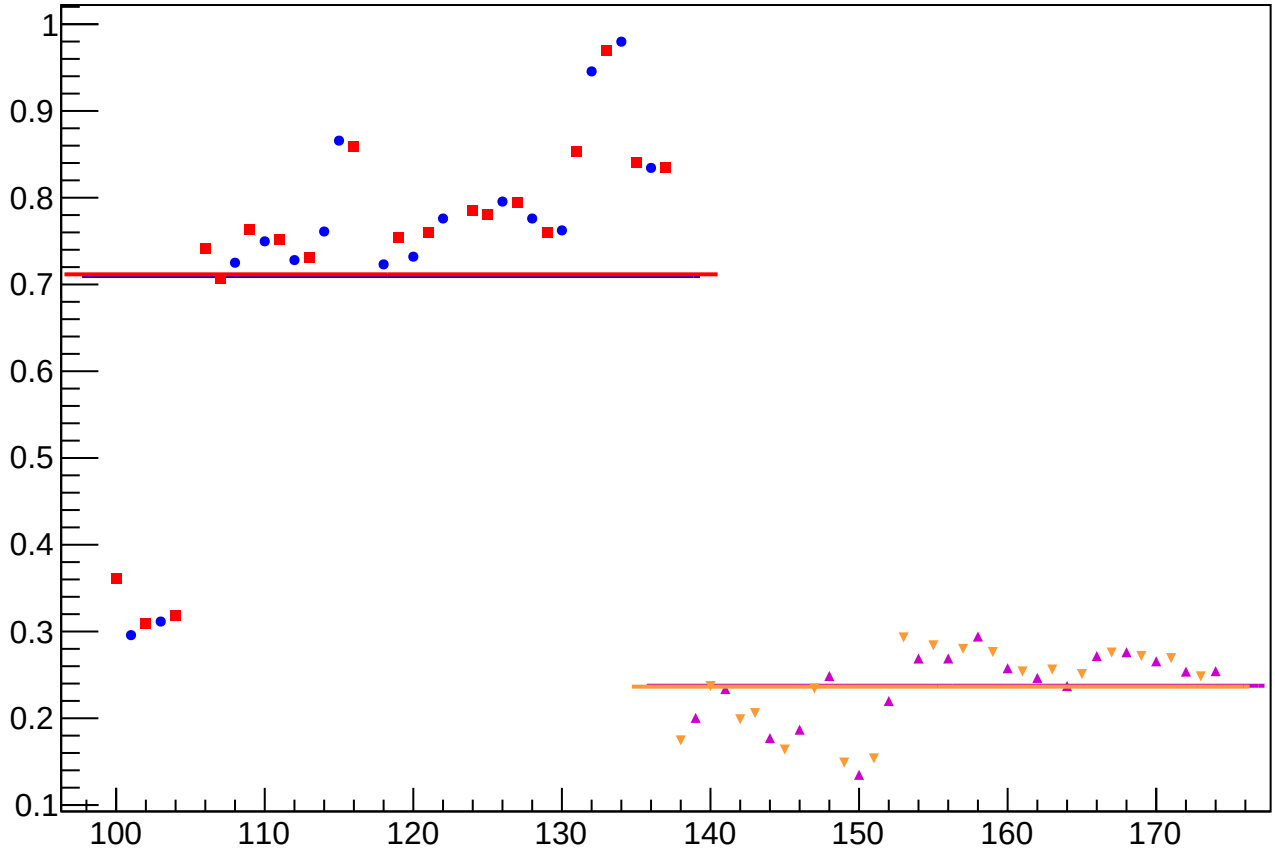
Left In: 0.013+/-0.000 χ^2/NDF:233131.3/17

+ sign 0.012+/-0.000 χ^2/NDF: 419940.6/34

All: 0.012+/-0.000 χ^2/NDF: 901450.8/71

- 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: 0.236+/-0.000 χ^2/NDF:6745669621.1/18

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

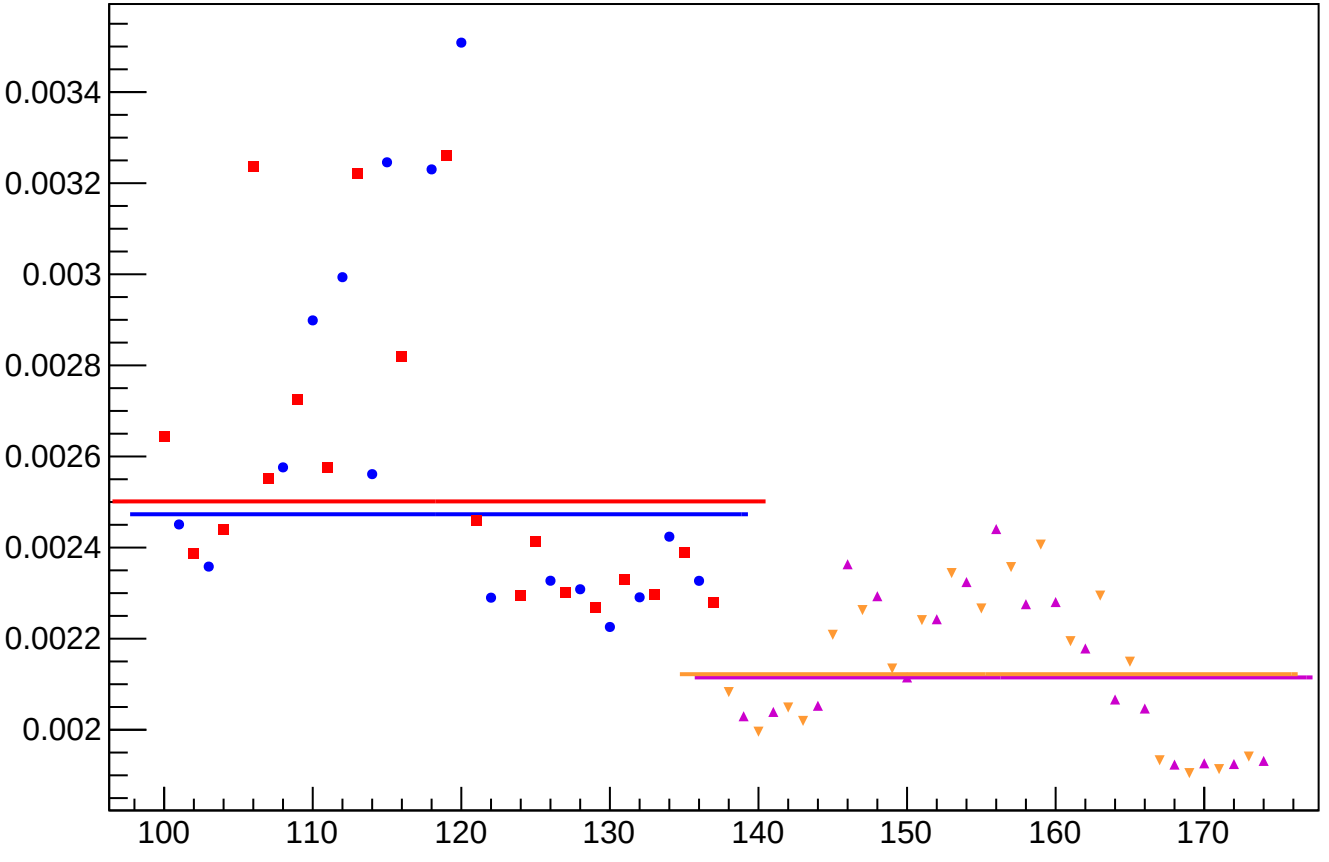
Left In: 0.237+/-0.000 χ^2/NDF:5353167734.9/17

+ sign 0.356+/-0.000 χ^2/NDF: 242080399882.3/34

All: 0.358+/-0.000 χ^2/NDF: 479831747618.6

- 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:167707.8/18

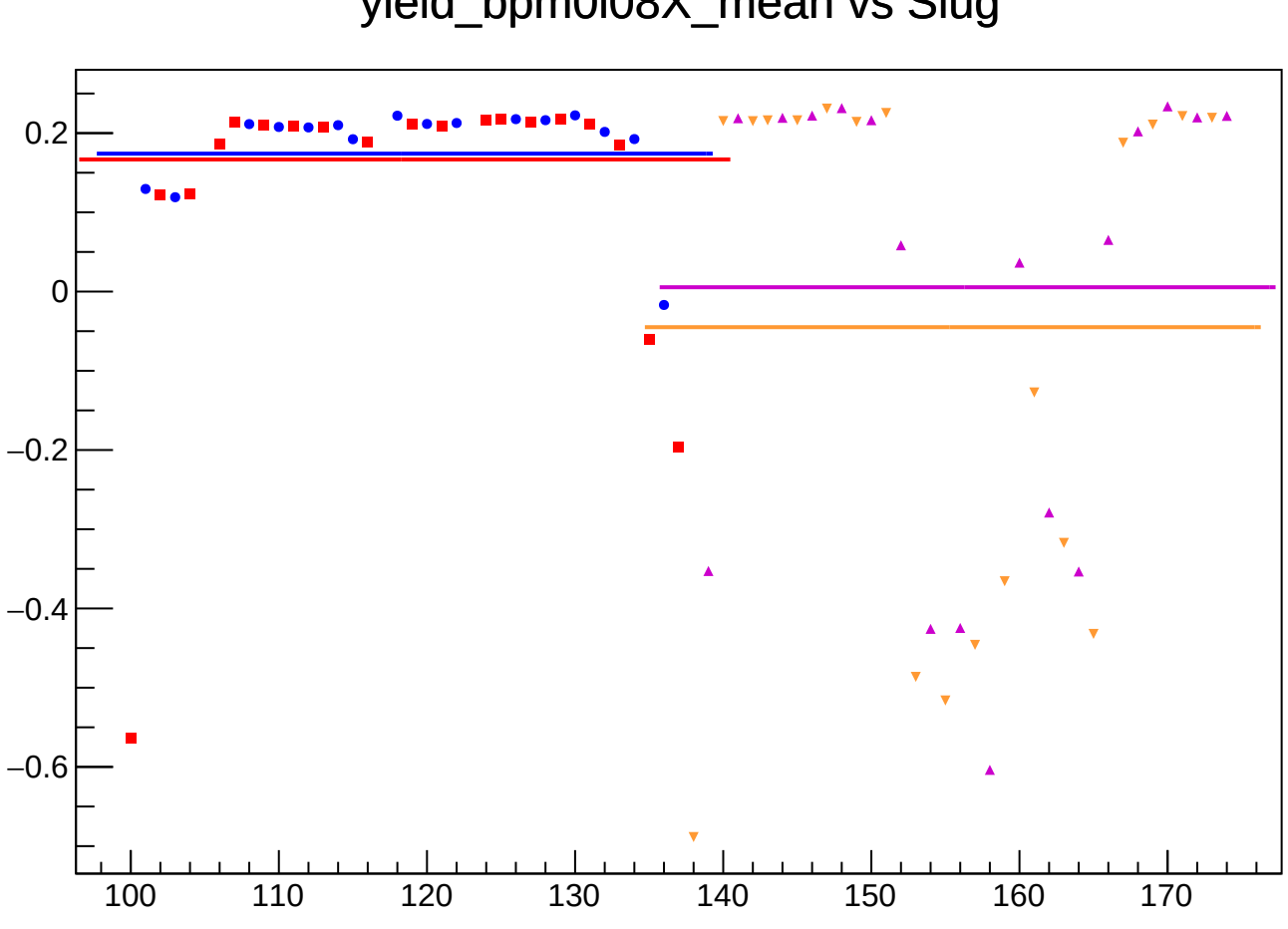
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:169480.6/17

+ sign 0.002+/-0.000 χ^2/NDF: 580956.8/34

All: 0.002+/-0.000 χ^2/NDF: 1177887.7/71

- 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: -0.045+/-0.000 χ^2/NDF:10971985039.0/18

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

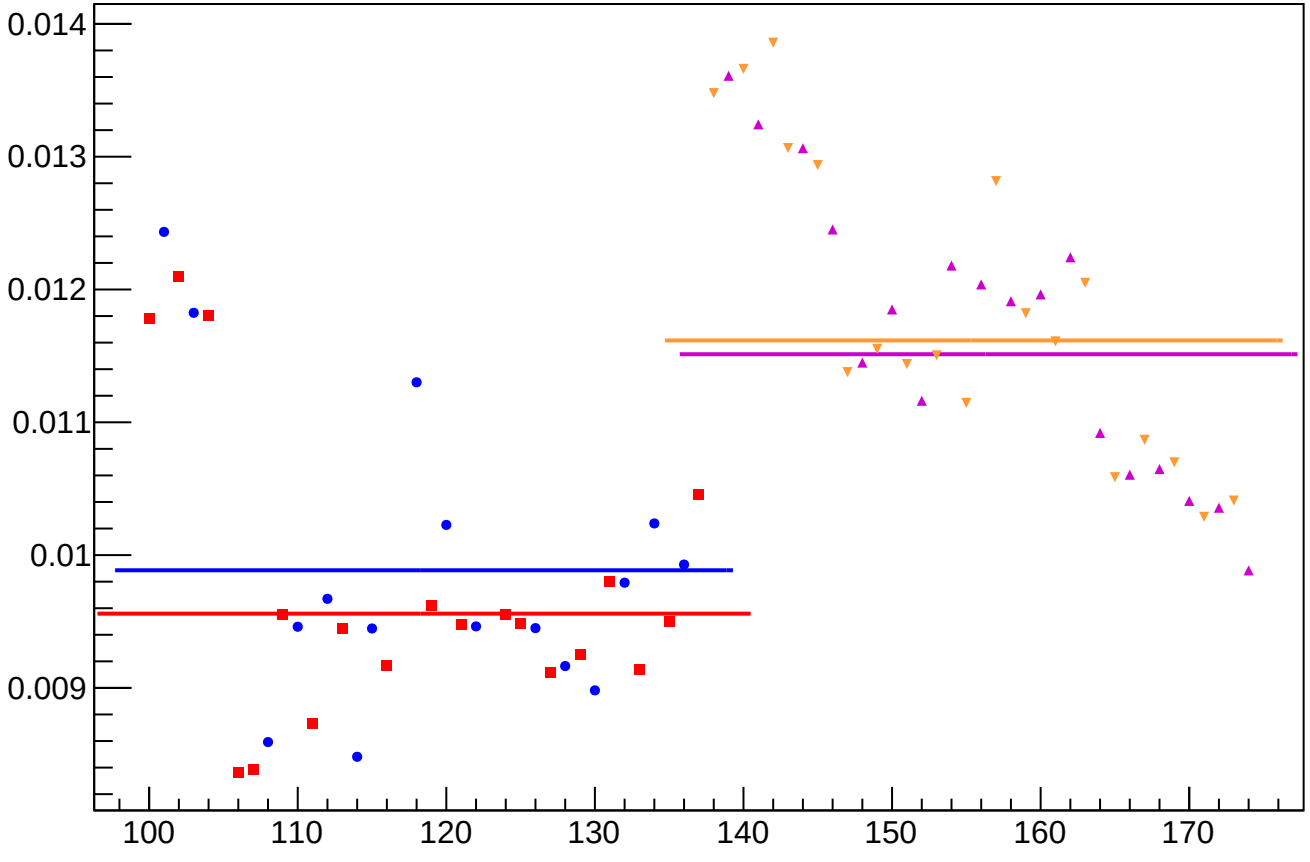
Left In: 0.005+/-0.000 χ^2/NDF:8585216978.2/17

+ sign 0.043+/-0.000 χ^2/NDF: 13389283002.9/34

All: 0.059+/-0.000 χ^2/NDF: 24131960460.2/

- 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:213034.8/18

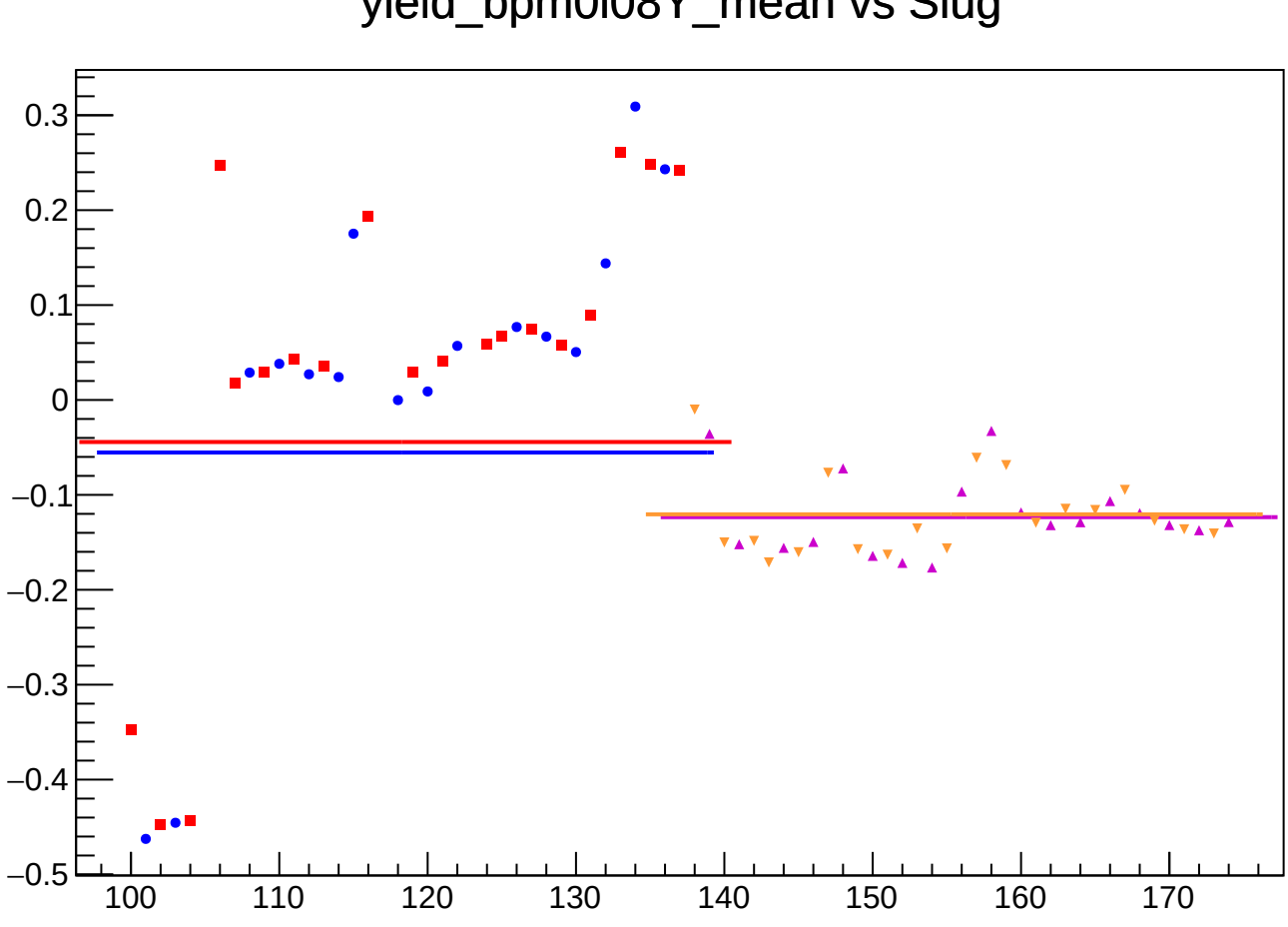
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:225429.5/17

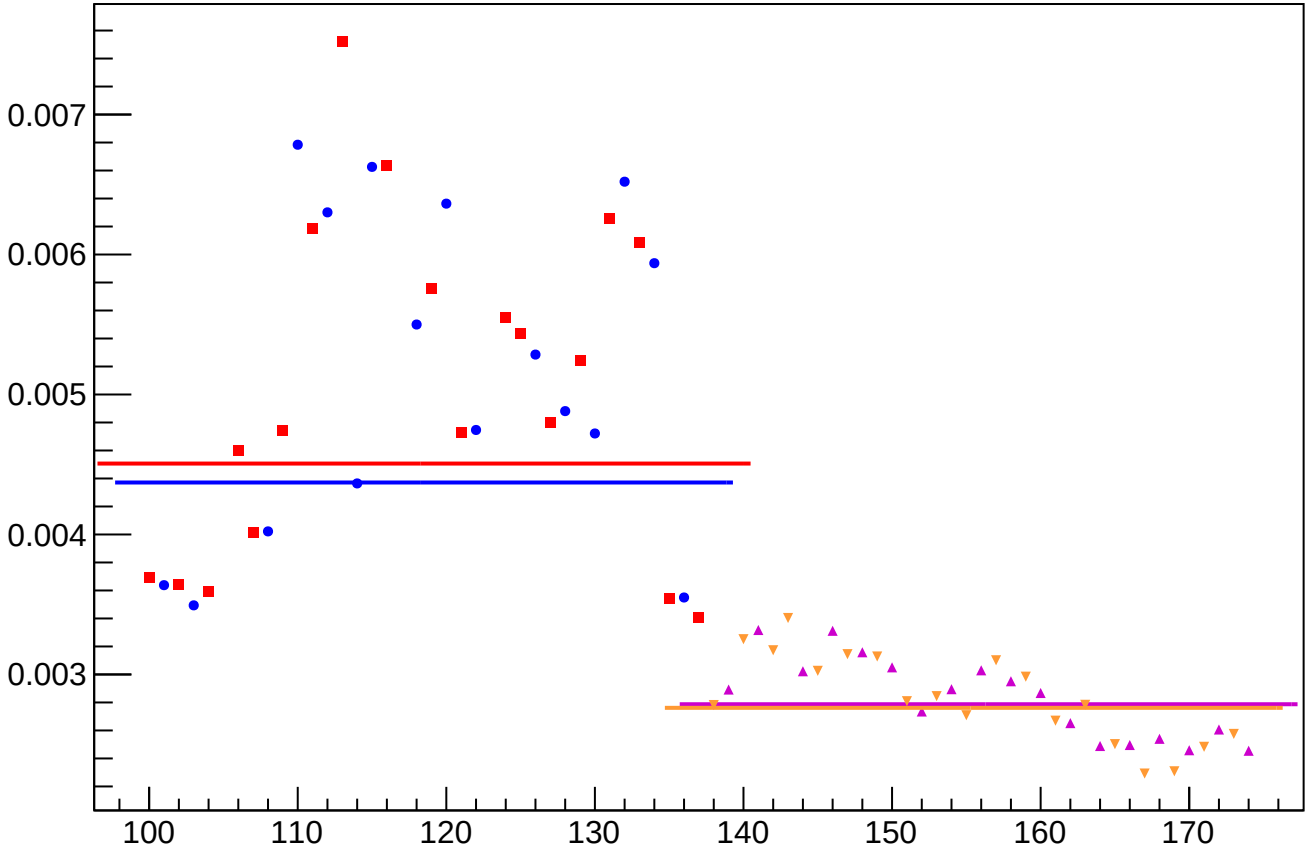
+ sign 0.011+/-0.000 χ^2/NDF: 613342.8/34

All: 0.011+/-0.000 χ^2/NDF: 1330339.7/71

- 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: -0.120+/-0.000 χ²/NDF:2900573790.3/18
Right Out: -0.044+/-0.000 χ²/NDF: 22136167141.7/18
Left In: -0.123+/-0.000 χ²/NDF:2801979478.4/17
+ sign -0.111+/-0.000 χ²/NDF: 28139244787.9/34
All: -0.111+/-0.000 χ²/NDF: 54758940428.1/
- sign -0.112+/-0.000 χ²/NDF: 26618989102.6/36

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:358136.5/18

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

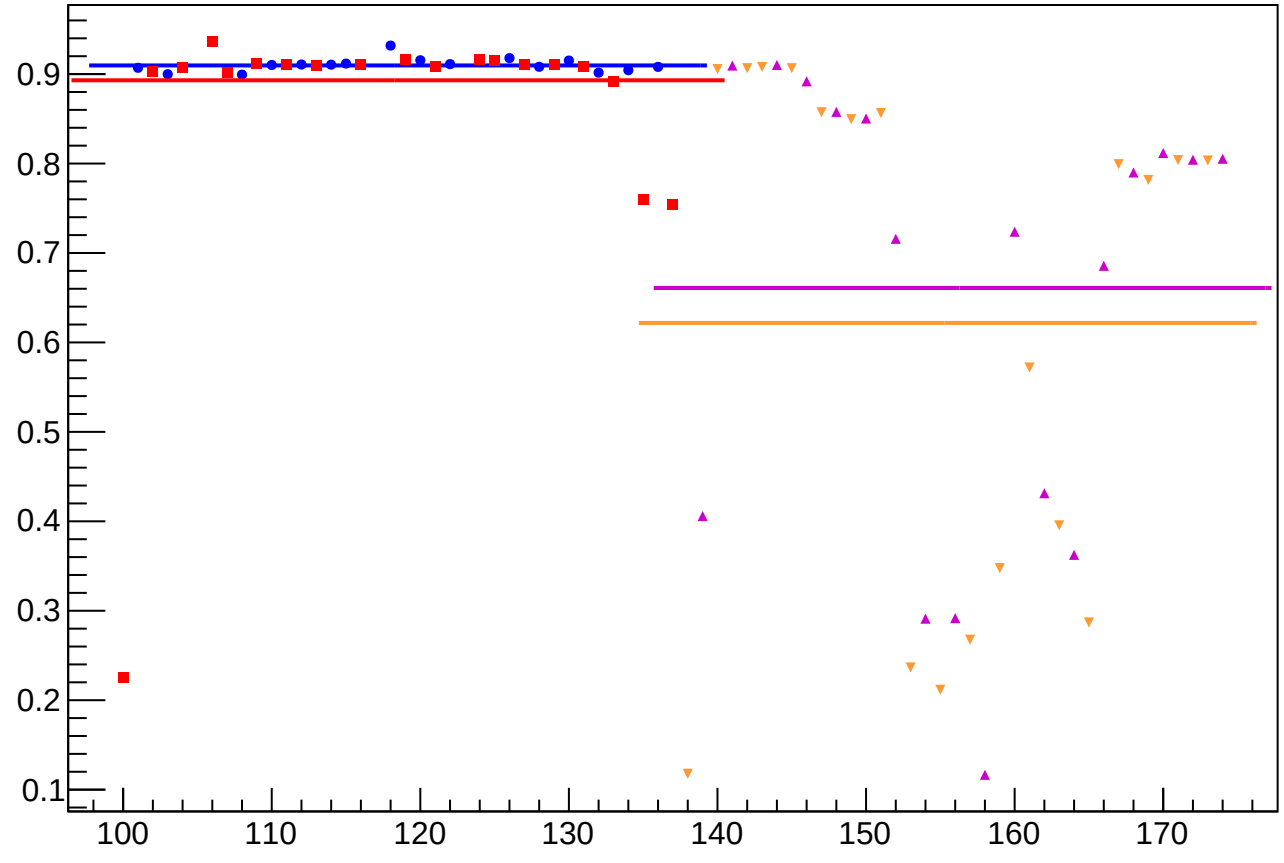
Left In: 0.003+/-0.000 χ^2/NDF:265409.4/17

+ sign 0.003+/-0.000 χ^2/NDF: 2430775.8/34

All: 0.003+/-0.000 χ^2/NDF: 4989795.4/71

- sign 0.003+/-0.000 χ^2/NDF: 2554774.9/36

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.622+/-0.000 χ^2/NDF:8426993510.4/18

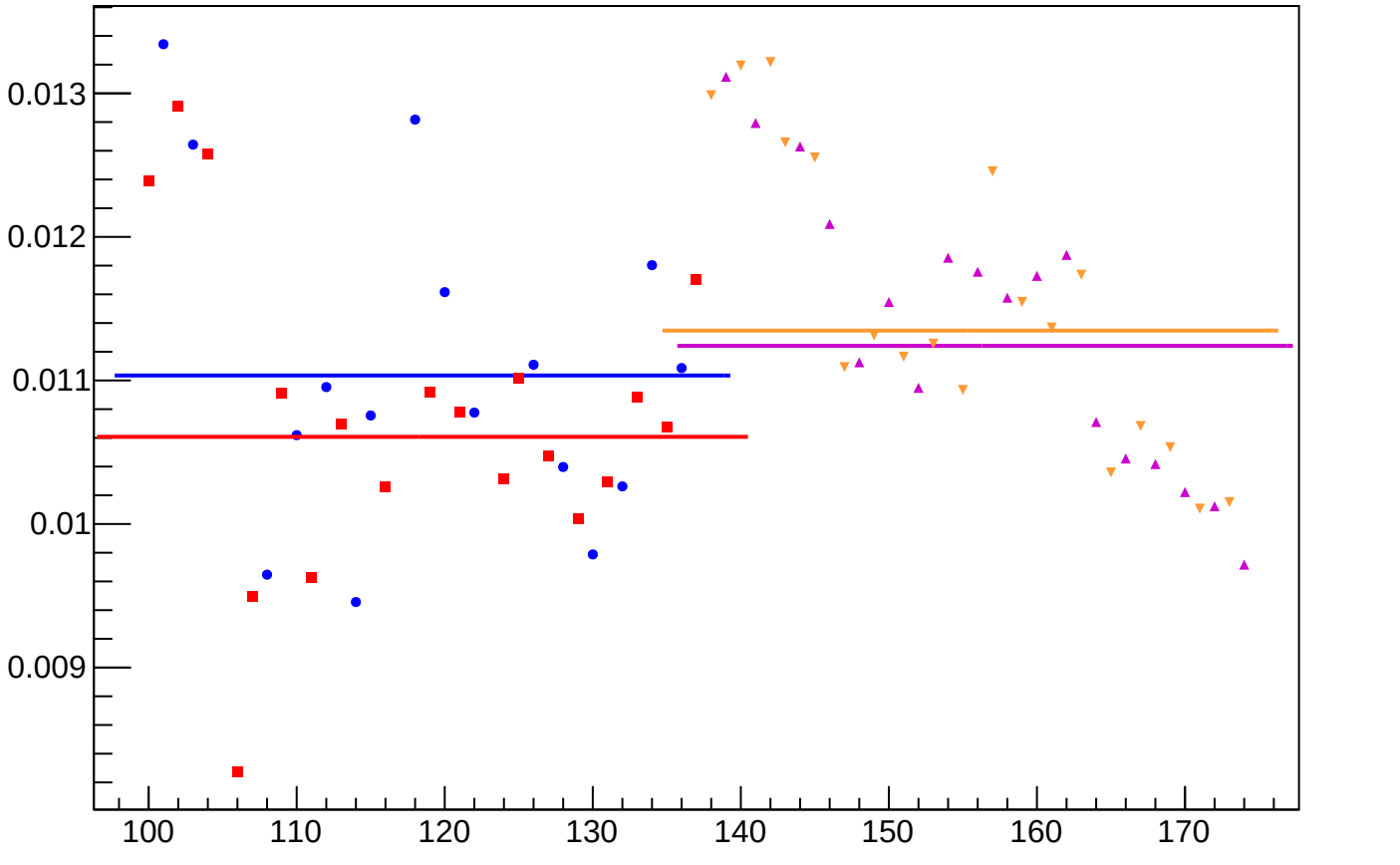
Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.661+/-0.000 χ^2/NDF:6646935047.0/17

+ sign 0.719+/-0.000 χ^2/NDF: 11523920957.8/34

All: 0.733+/-0.000 χ^2/NDF: 2053605396.8/7

- sign 0.745+/-0.000 χ^2/NDF: 9170340588.2/36



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:188802.2/18

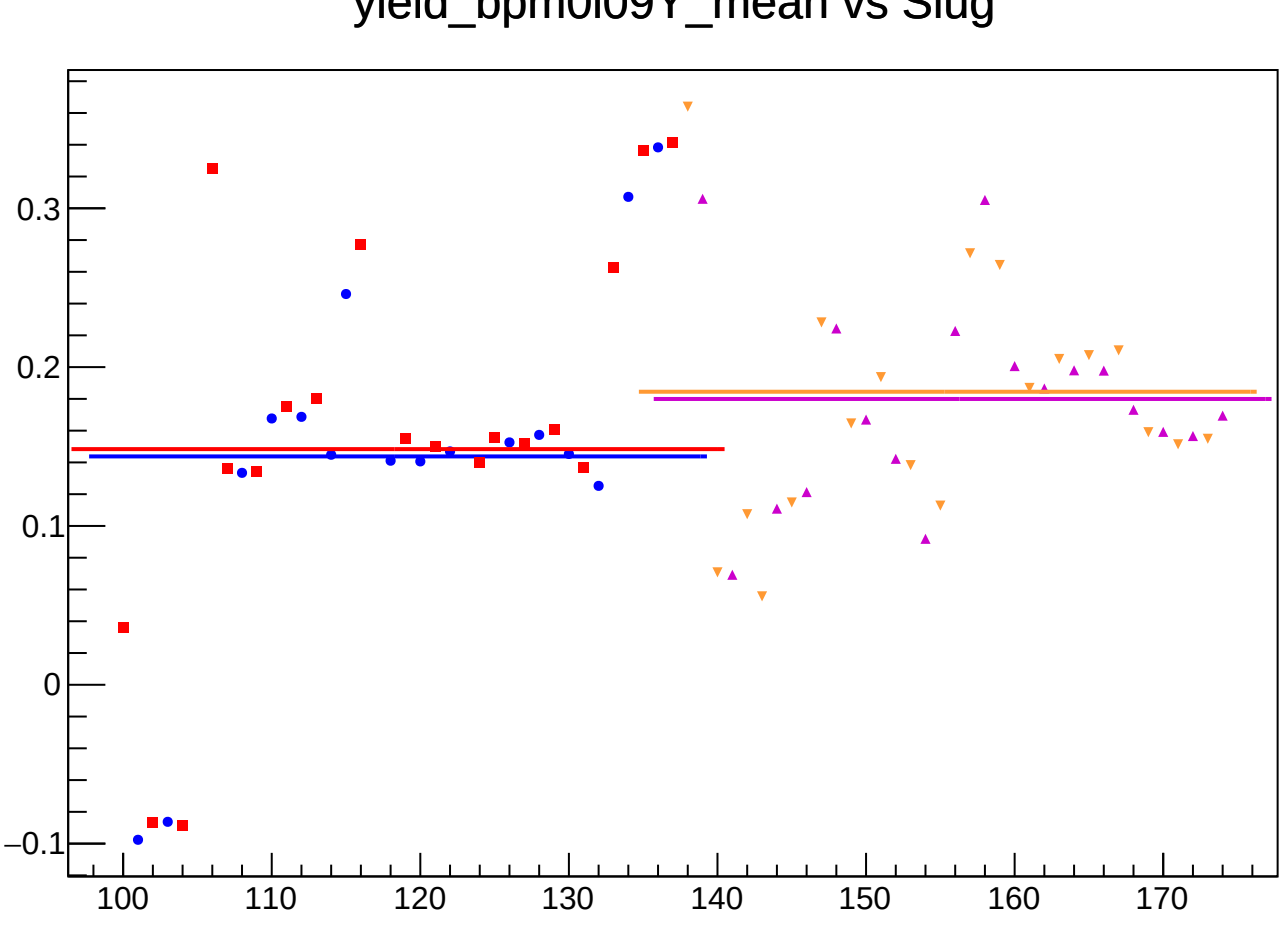
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:200936.2/17

+ sign 0.011+/-0.000 χ^2/NDF: 326456.8/34

All: 0.011+/-0.000 χ^2/NDF: 713227.8/71

- 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: 0.185+/-0.000 χ^2/NDF:6312884035.2/18

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

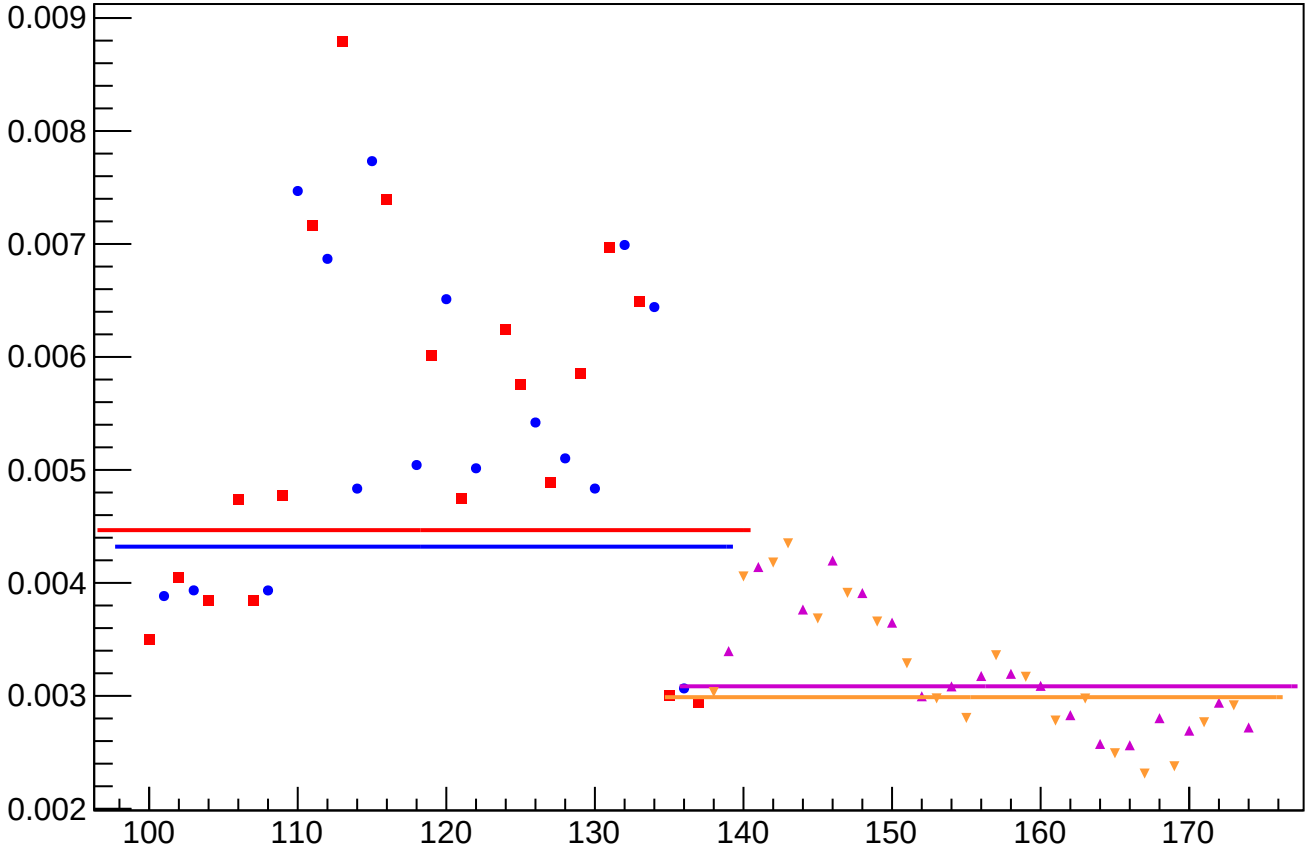
Left In: 0.180+/-0.000 χ^2/NDF:4565554502.4/17

+ sign 0.178+/-0.000 χ^2/NDF: 14603476745.4/34

All: 0.176+/-0.000 χ^2/NDF: 26551732294.5/7

- 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:839582.7/18

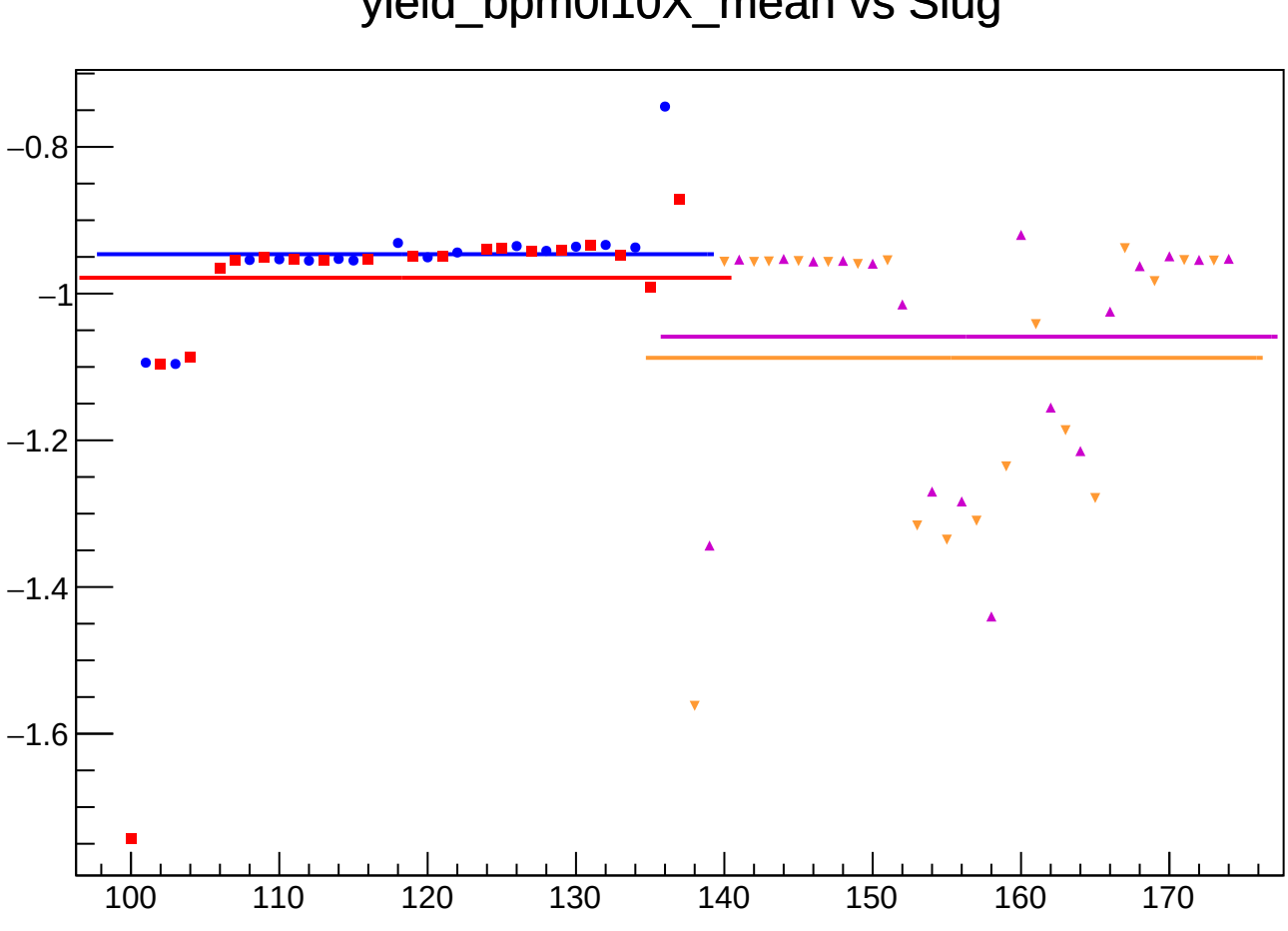
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:568333.1/17

+ sign 0.003+/-0.000 χ^2/NDF: 2624058.0/34

All: 0.003+/-0.000 χ^2/NDF: 5240321.4/71

- 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: -1.088+/-0.000 χ^2/NDF:4385961418.8/18

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

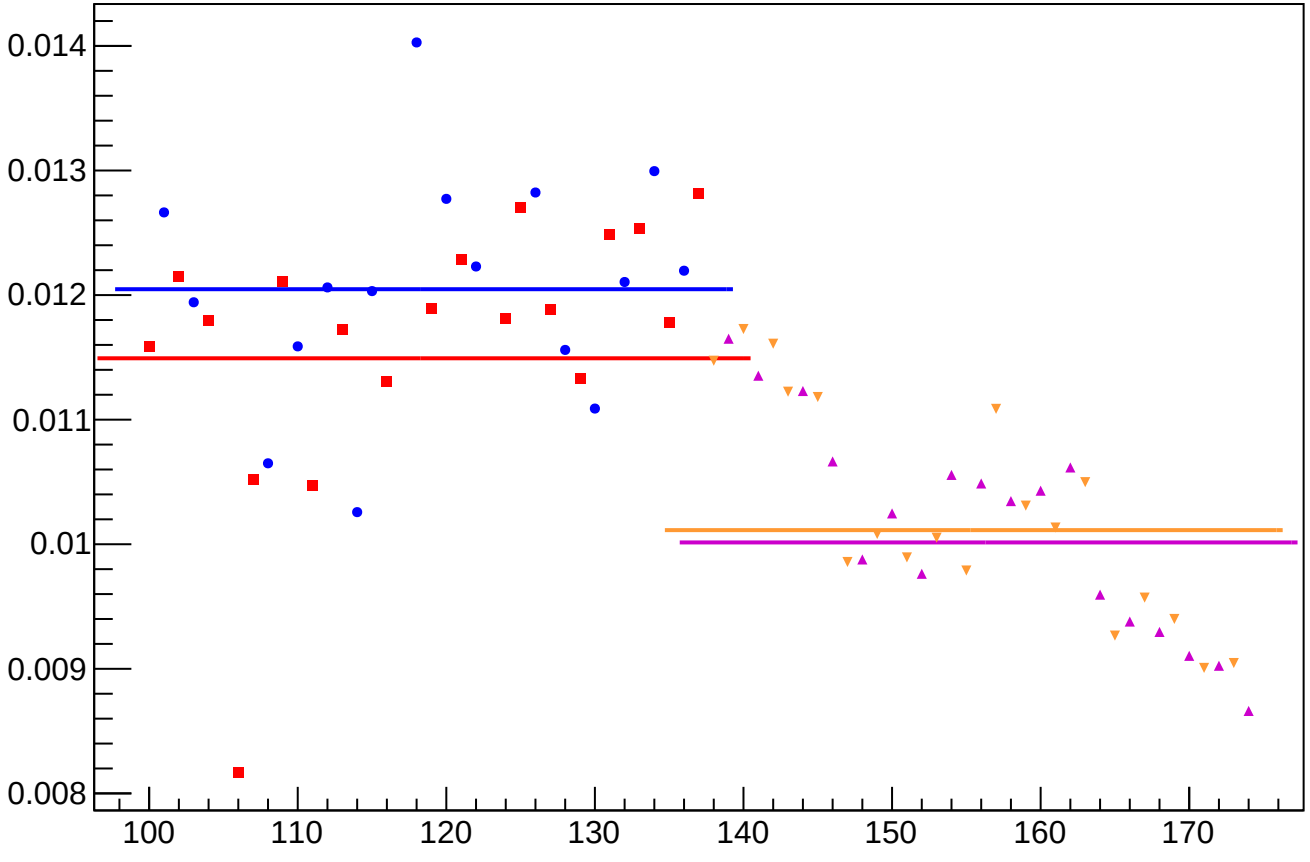
Left In: -1.059+/-0.000 χ^2/NDF:3564204918.4/17

+ sign -1.052+/-0.000 χ^2/NDF: 5496236831.1/34

All: -1.044+/-0.000 χ^2/NDF: 9796718309.5/7

- 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:180179.0/18

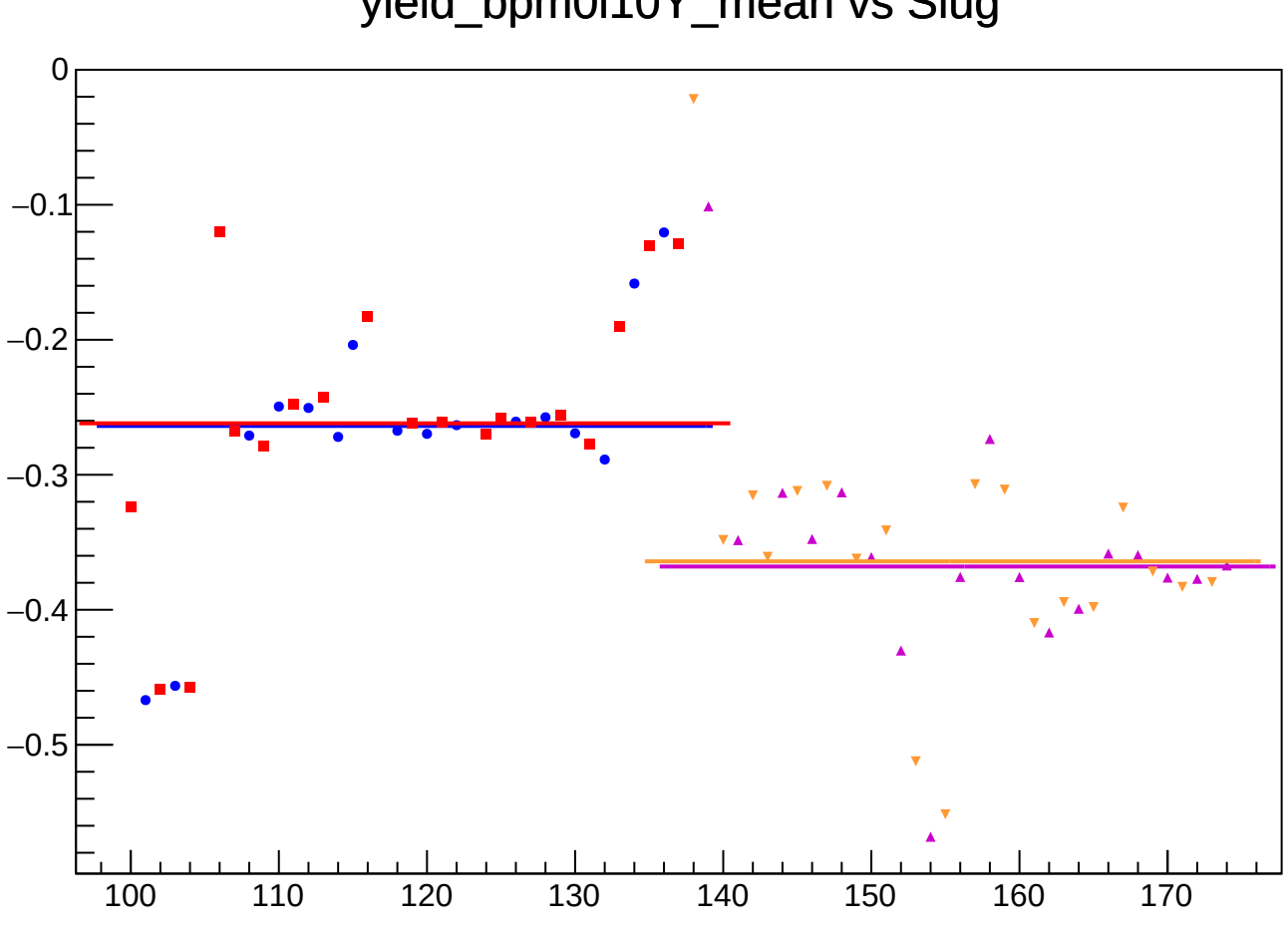
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:194583.2/17

+ sign 0.011+/-0.000 χ^2/NDF: 507177.7/34

All: 0.011+/-0.000 χ^2/NDF: 1030526.1/71

- 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:11899641198.4/18

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

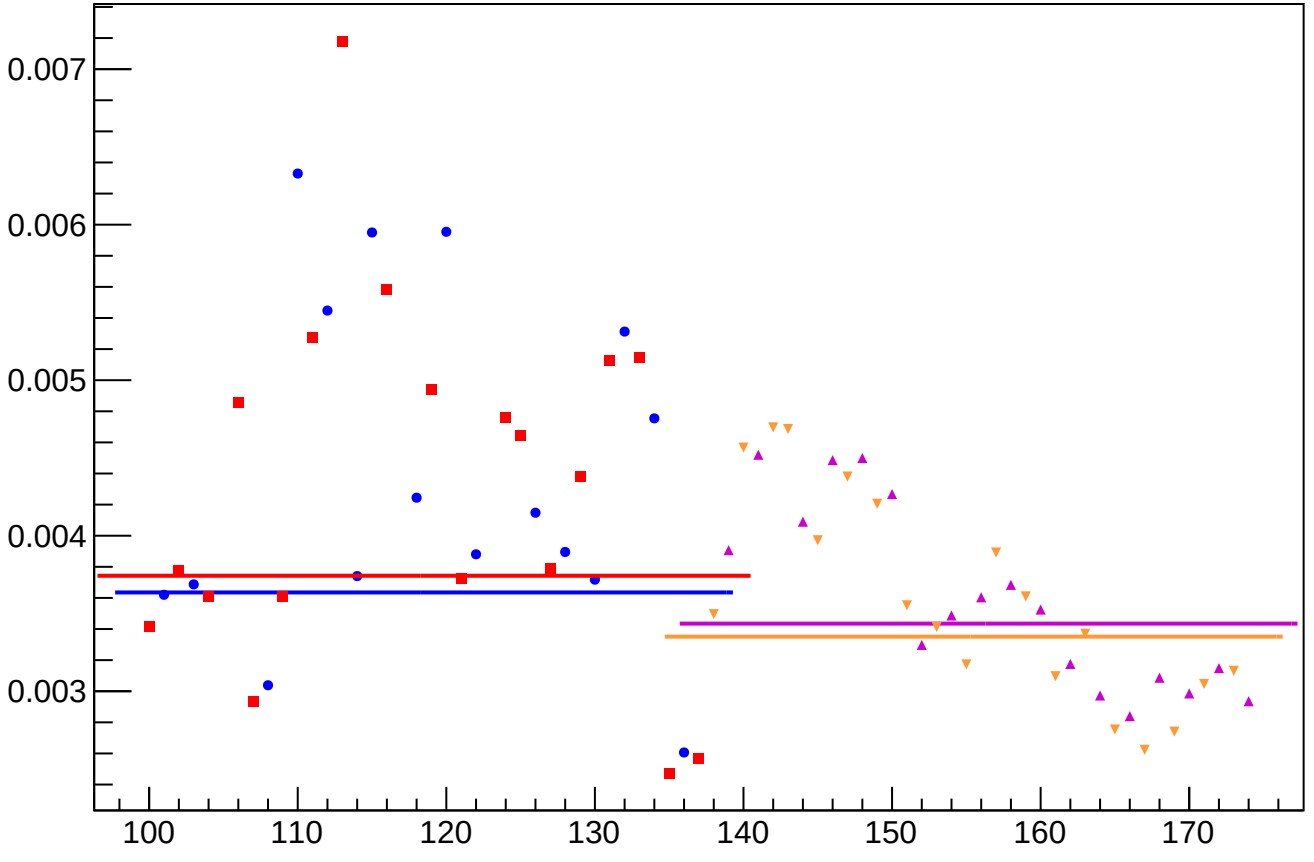
Left In: -0.368+/-0.000 χ^2/NDF:7568212414.7/17

+ sign -0.337+/-0.000 χ^2/NDF: 21226168152.1/34

All: -0.338+/-0.000 χ^2/NDF: 37552462468.2/

- 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:789237.4/18

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

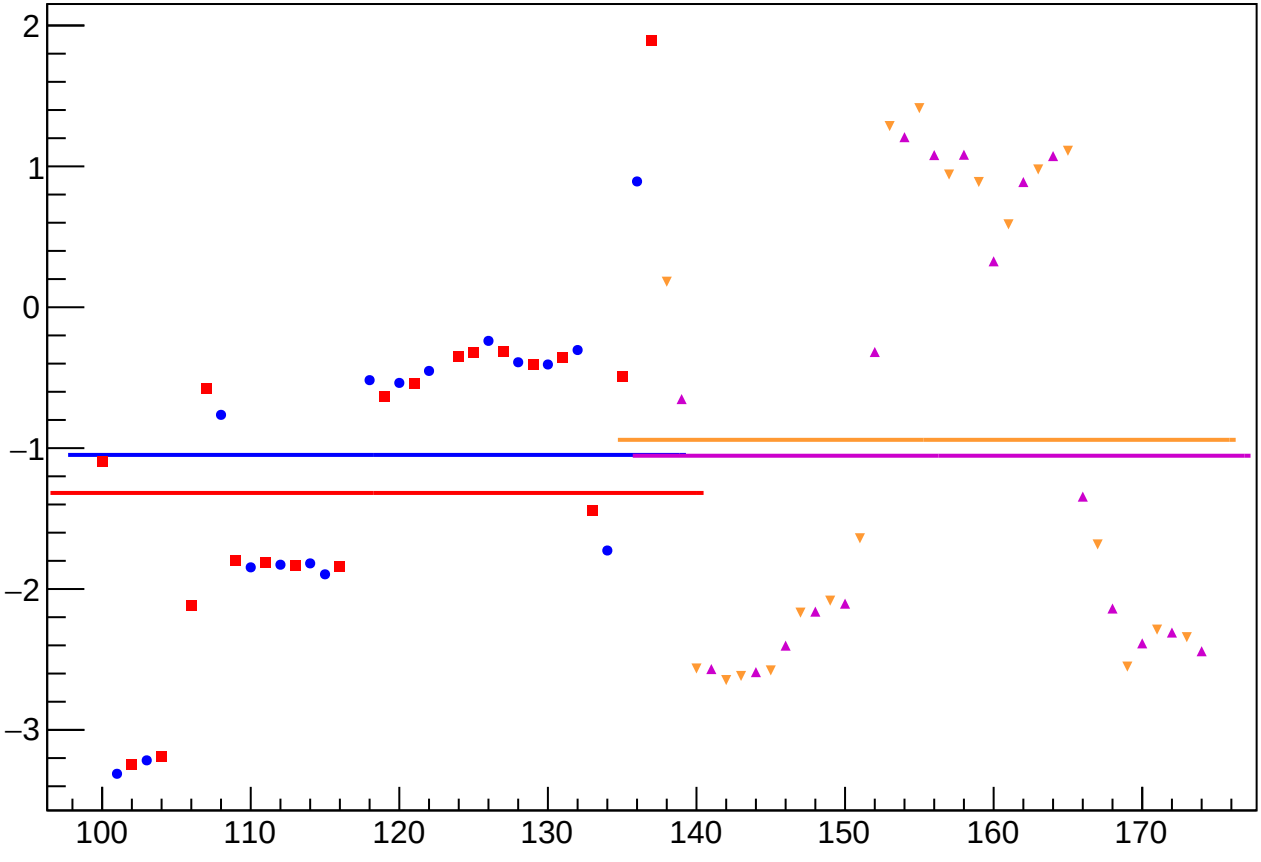
Left In: 0.003+/-0.000 χ^2/NDF:590585.7/17

+ sign 0.003+/-0.000 χ^2/NDF: 1569502.8/34

All: 0.003+/-0.000 χ^2/NDF: 3126928.3/71

- 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: -0.941+/-0.000 χ^2/NDF:6815937903.0/18

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

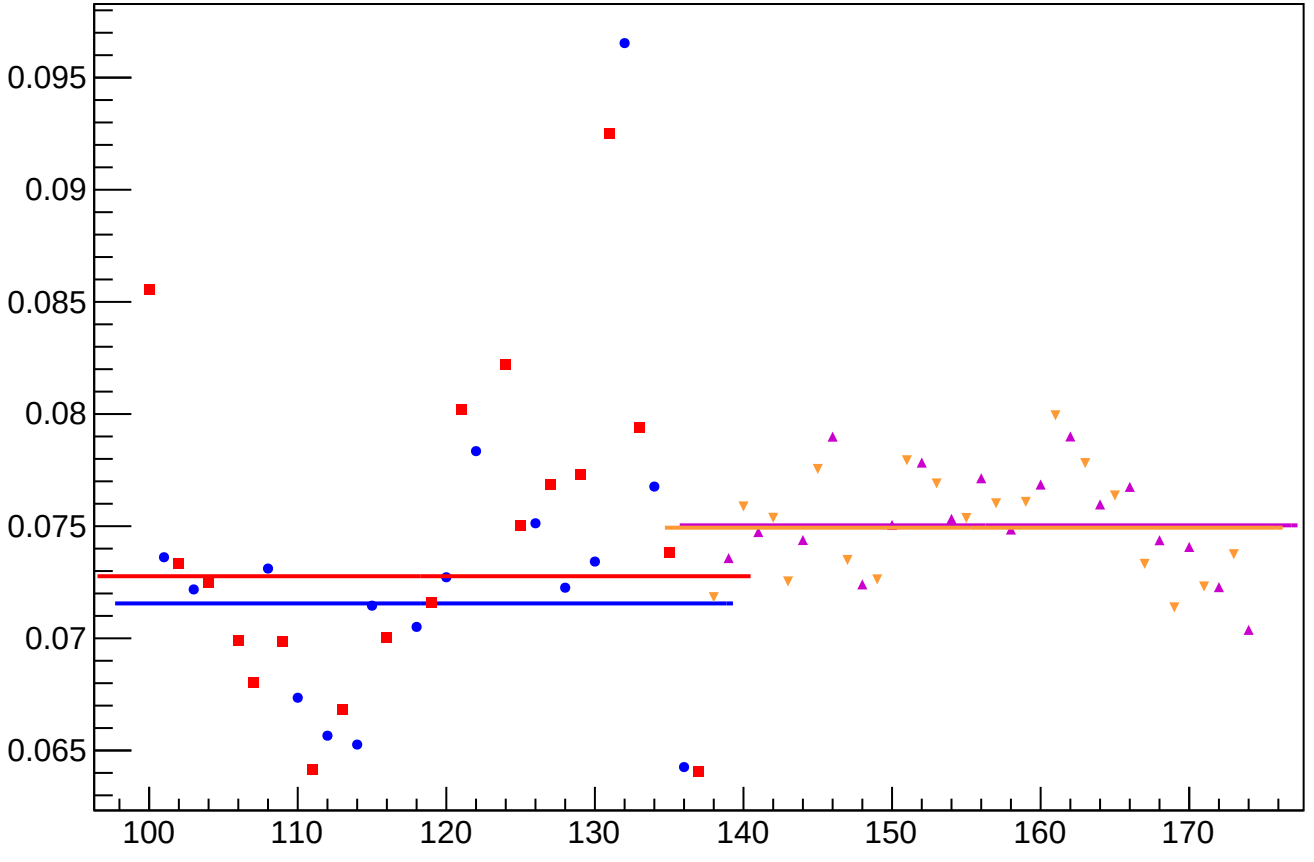
Left In: -1.054+/-0.000 χ^2/NDF:5798502569.7/17

+ sign -0.978+/-0.000 χ^2/NDF: 9173281362.7/34

All: -1.061+/-0.000 χ^2/NDF: 16938320946.7/

- 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:29691.8/18

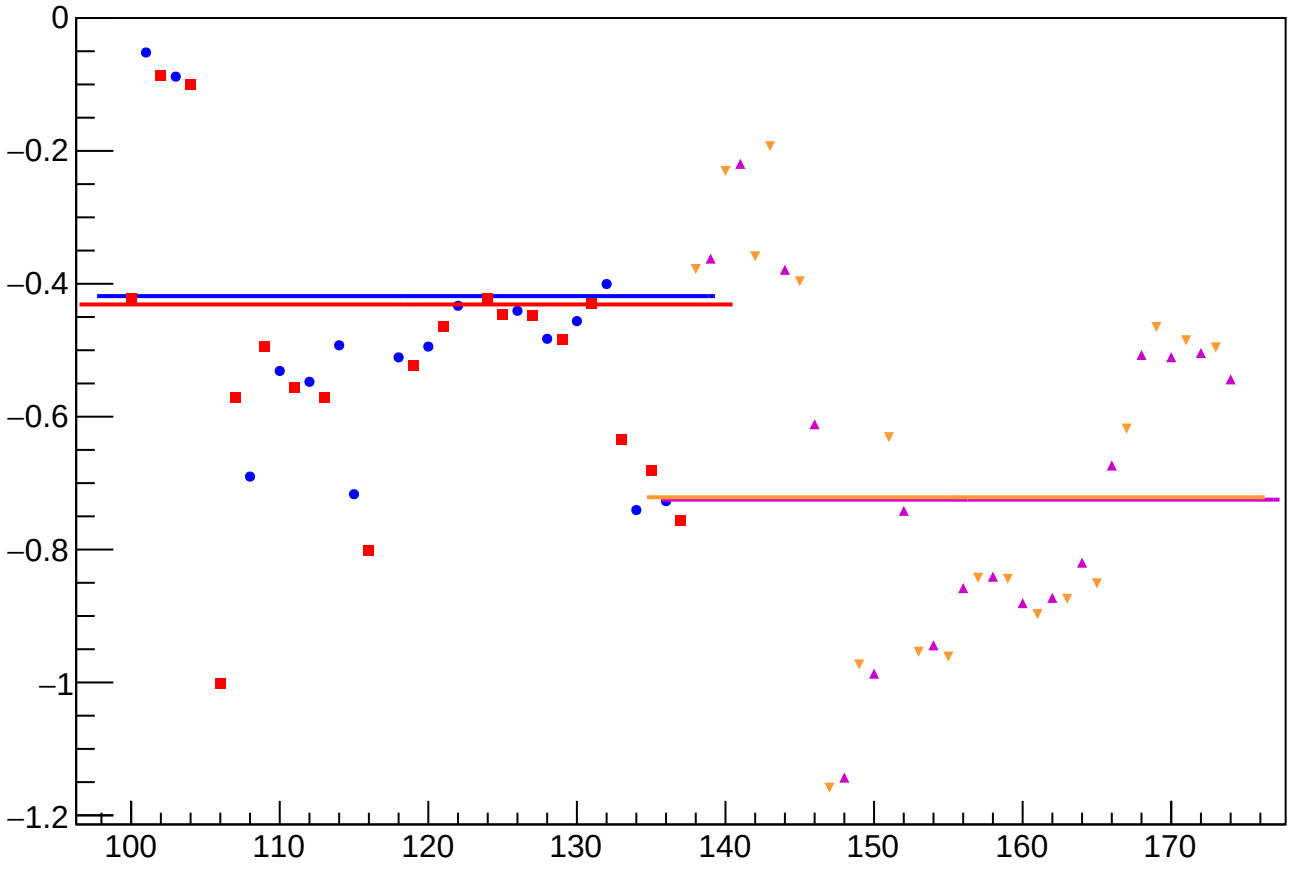
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:26374.1/17

+ sign 0.074+/-0.000 χ^2/NDF: 151468.2/34

All: 0.074+/-0.000 χ^2/NDF: 284840.0/71

- 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: -0.721+/-0.000 χ^2/NDF:18976106898.3/18

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

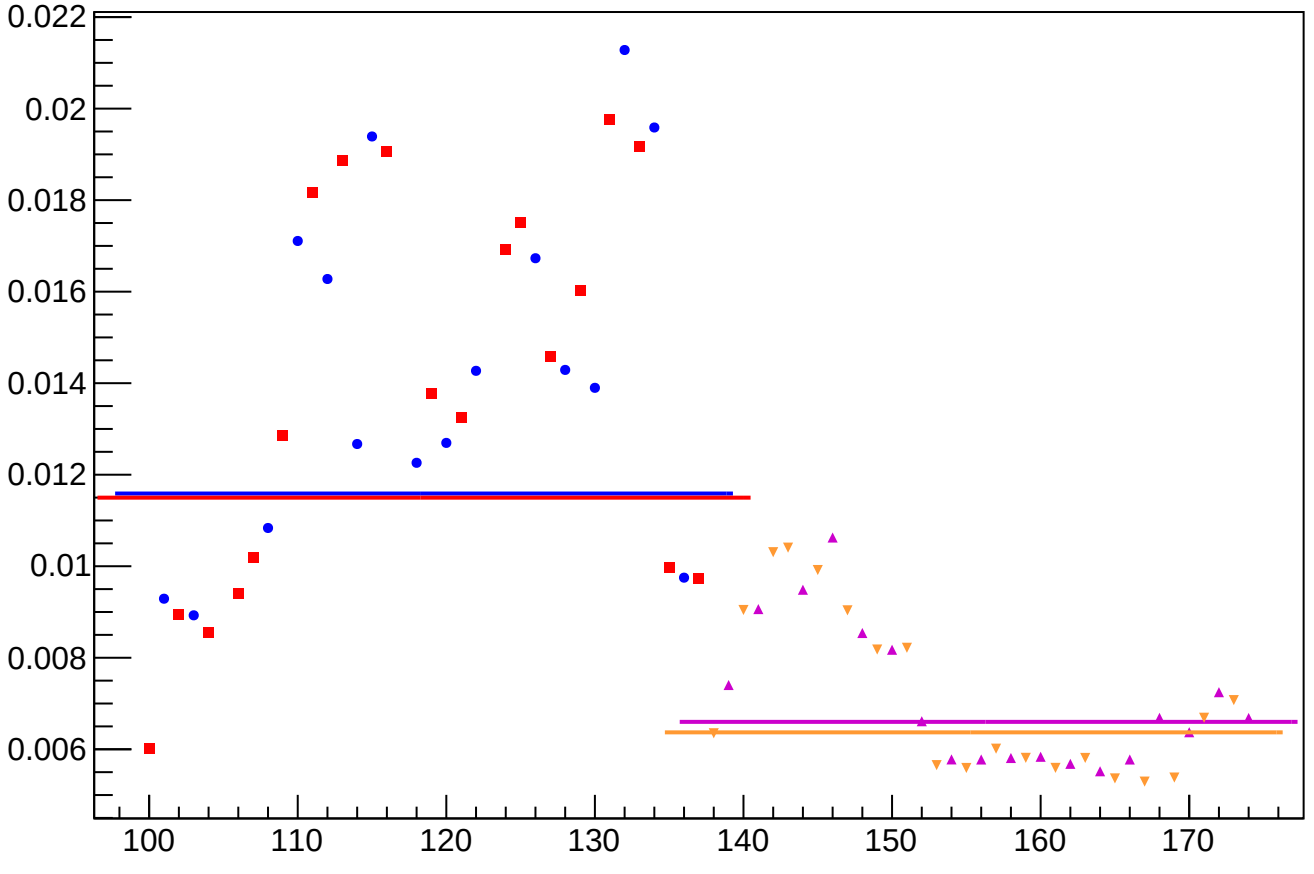
Left In: -0.725+/-0.000 χ^2/NDF:14569259373.1/17

+ sign -0.686+/-0.000 χ^2/NDF: 25640252389.3/34

All: -0.687+/-0.000 χ^2/NDF: 46827519069.6/

- sign -0.687+/-0.000 χ^2/NDF: 21186828019.3/36

yield_bpm0r03Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1232333.3/18

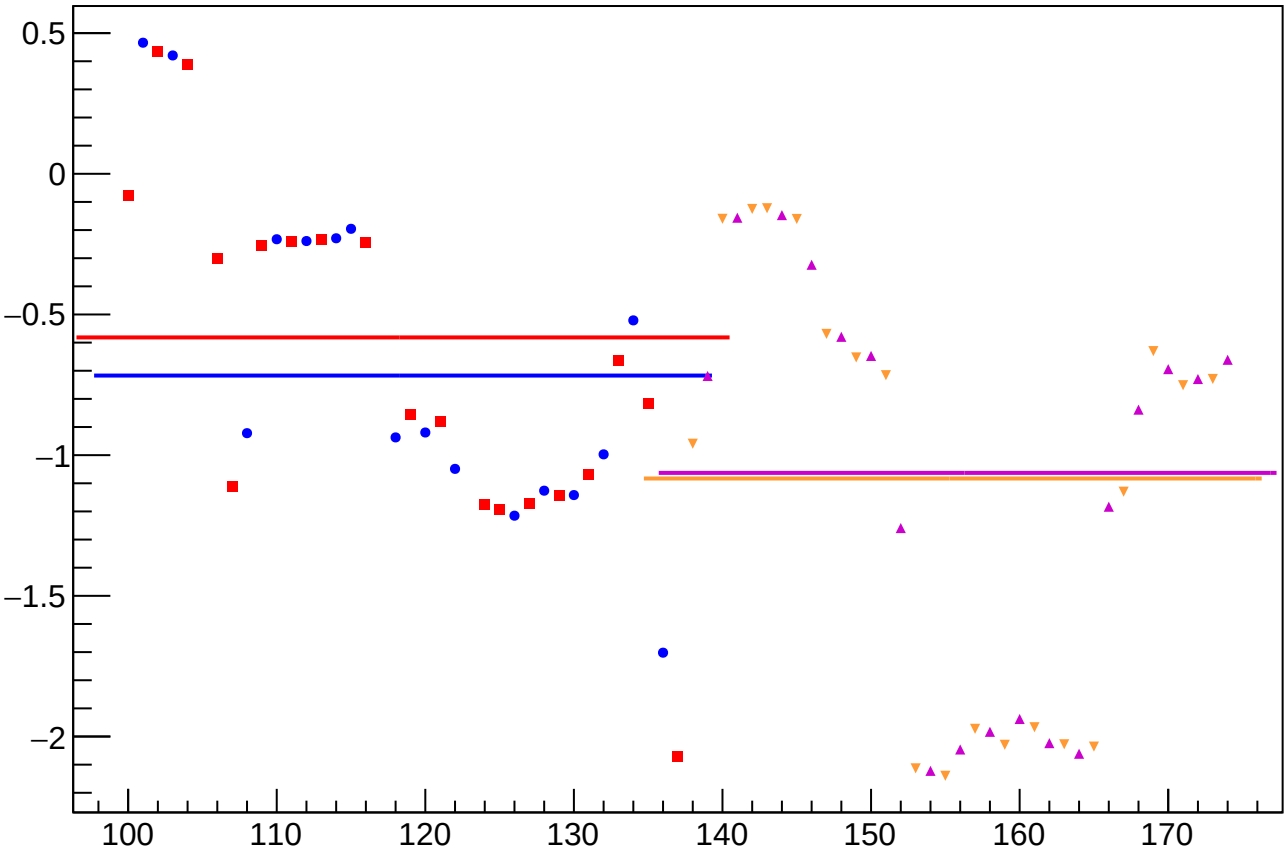
Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:889848.2/17

+ sign 0.007+/-0.000 χ^2/NDF: 4152943.2/34

All: 0.007+/-0.000 χ^2/NDF: 8131836.4/71

- sign 0.007+/-0.000 χ^2/NDF: 3957237.2/36



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.083+/-0.000 χ^2/NDF:1129907777.1/18

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

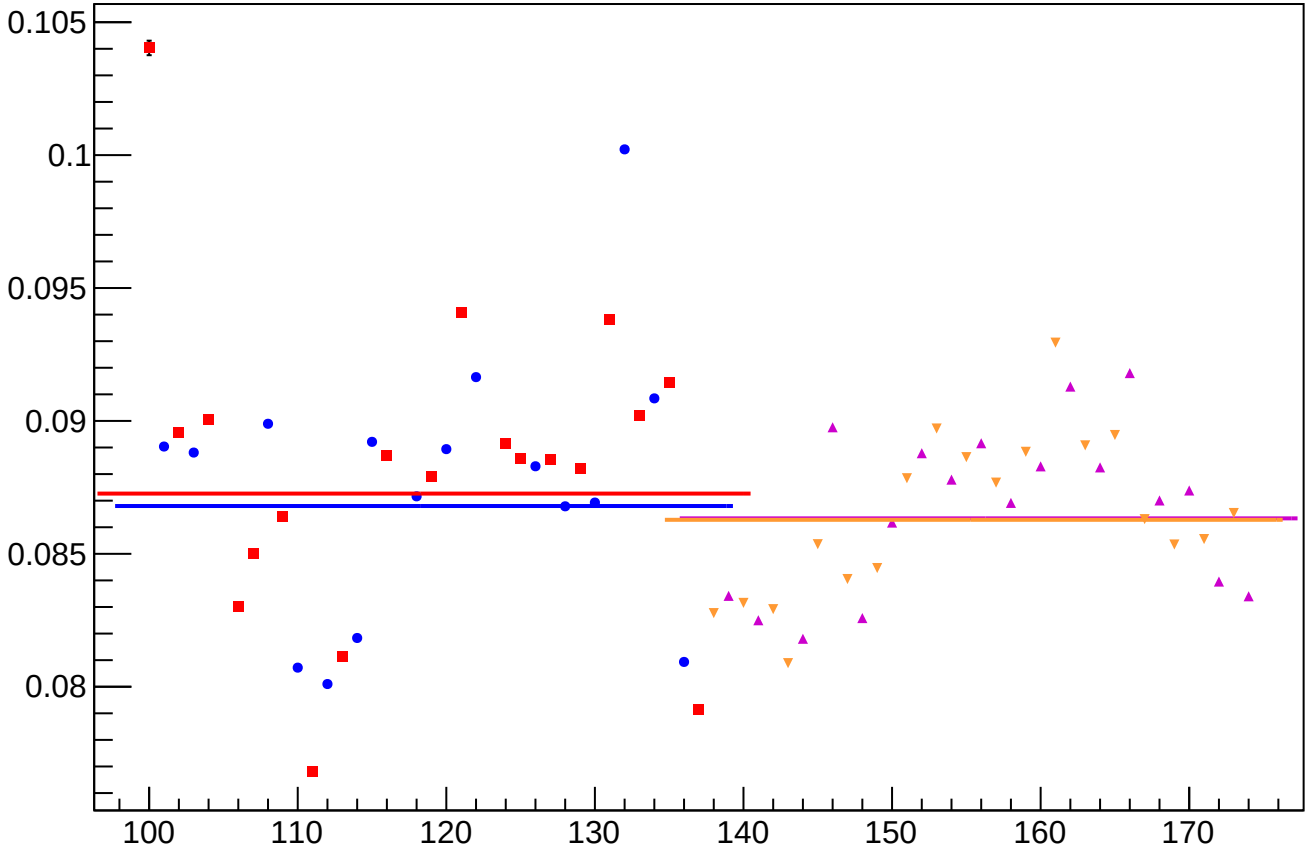
Left In: -1.063+/-0.000 χ^2/NDF:971355531.2/17

+ sign -0.965+/-0.000 χ^2/NDF: 1653752013.7/34

All: -0.935+/-0.000 χ^2/NDF: 3124404866.2/7

- sign -0.904+/-0.000 χ^2/NDF: 1465087367.0/36

yield_bpm0r05X_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:33702.4/18

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

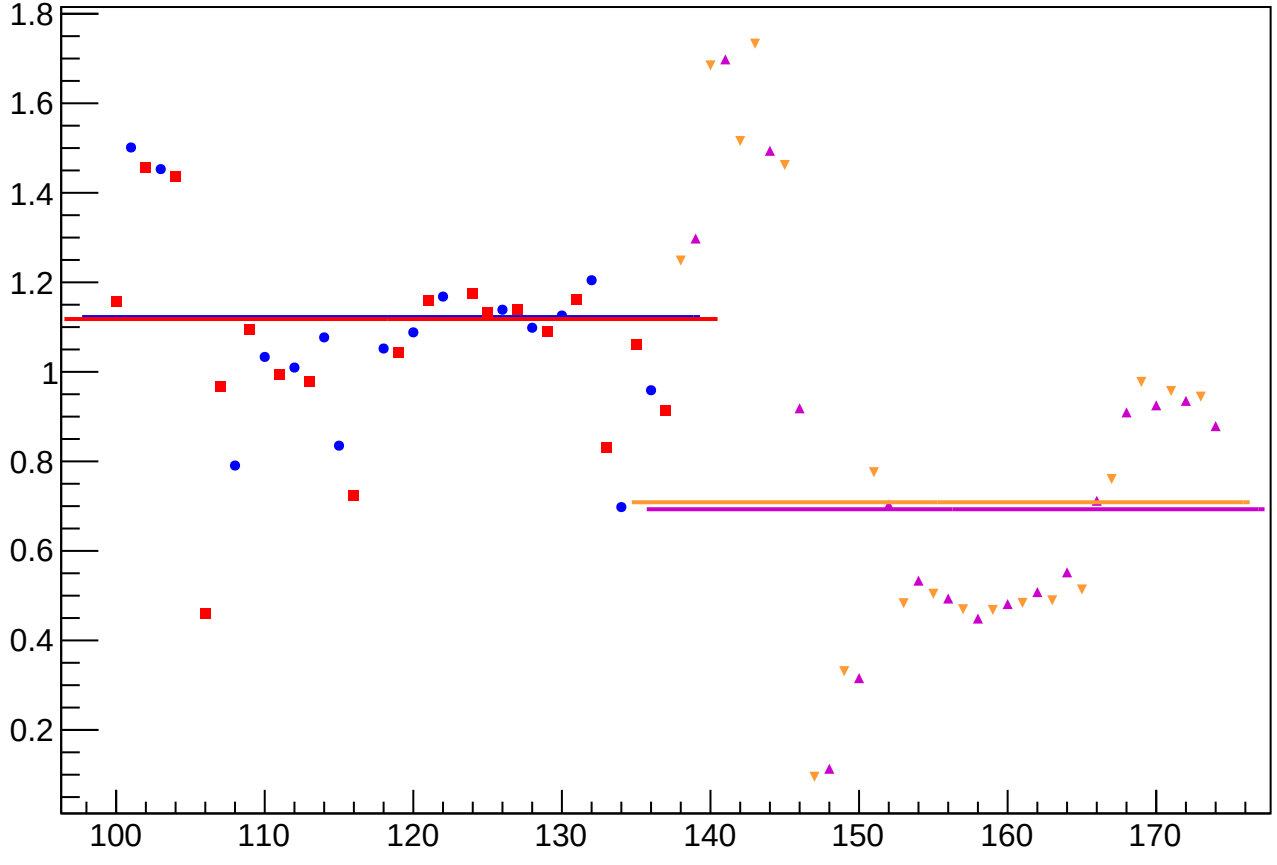
Left In: 0.086+/-0.000 χ^2/NDF:34652.3/17

+ sign 0.086+/-0.000 χ^2/NDF: 77625.5/34

All: 0.087+/-0.000 χ^2/NDF: 159691.4/71

- 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: 0.709+/-0.000 χ^2/NDF:30969247789.6/18

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

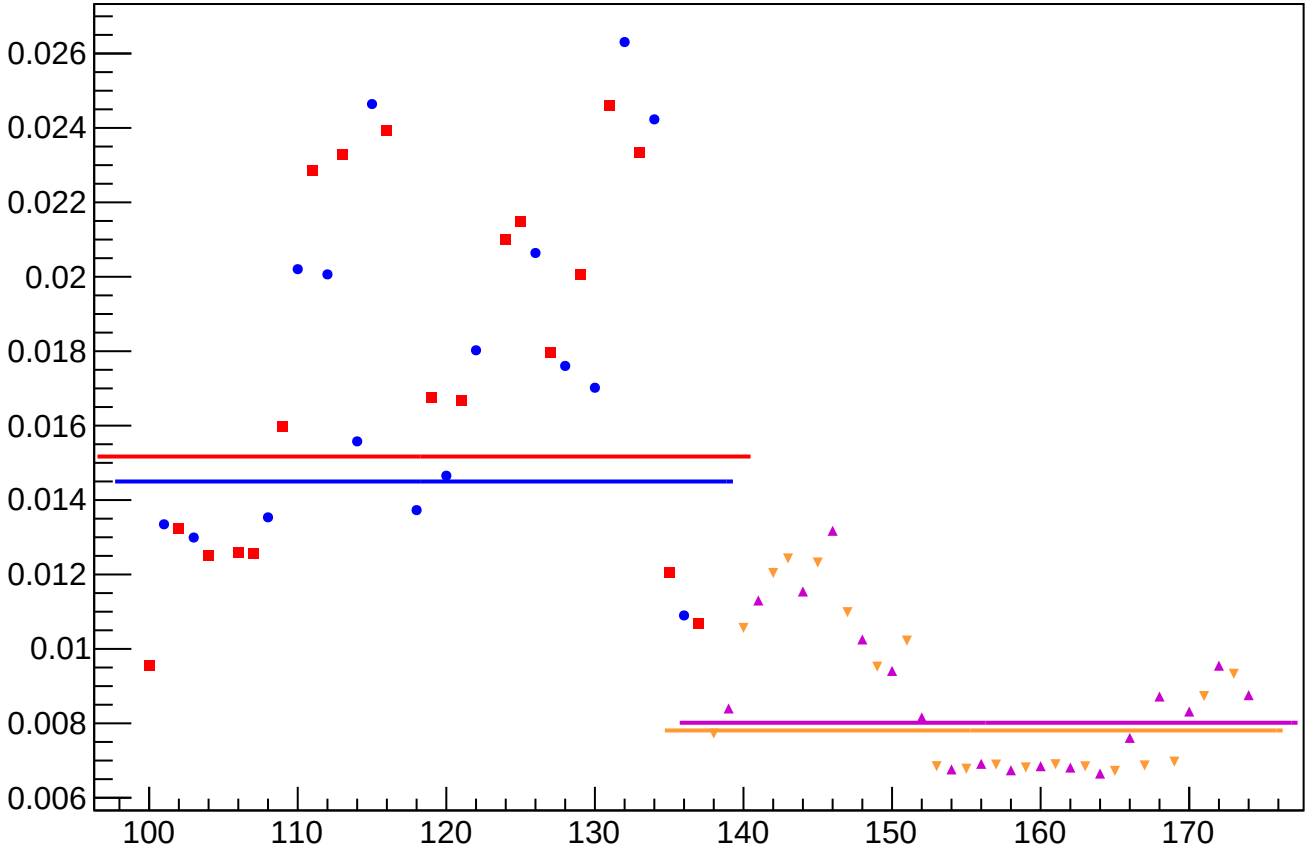
Left In: 0.693+/-0.000 χ^2/NDF:24254355633.6/17

+ sign 0.755+/-0.000 χ^2/NDF: 36741115446.7/34

All: 0.748+/-0.000 χ^2/NDF: 66865728051.3/7

- 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:1192711.7/18

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

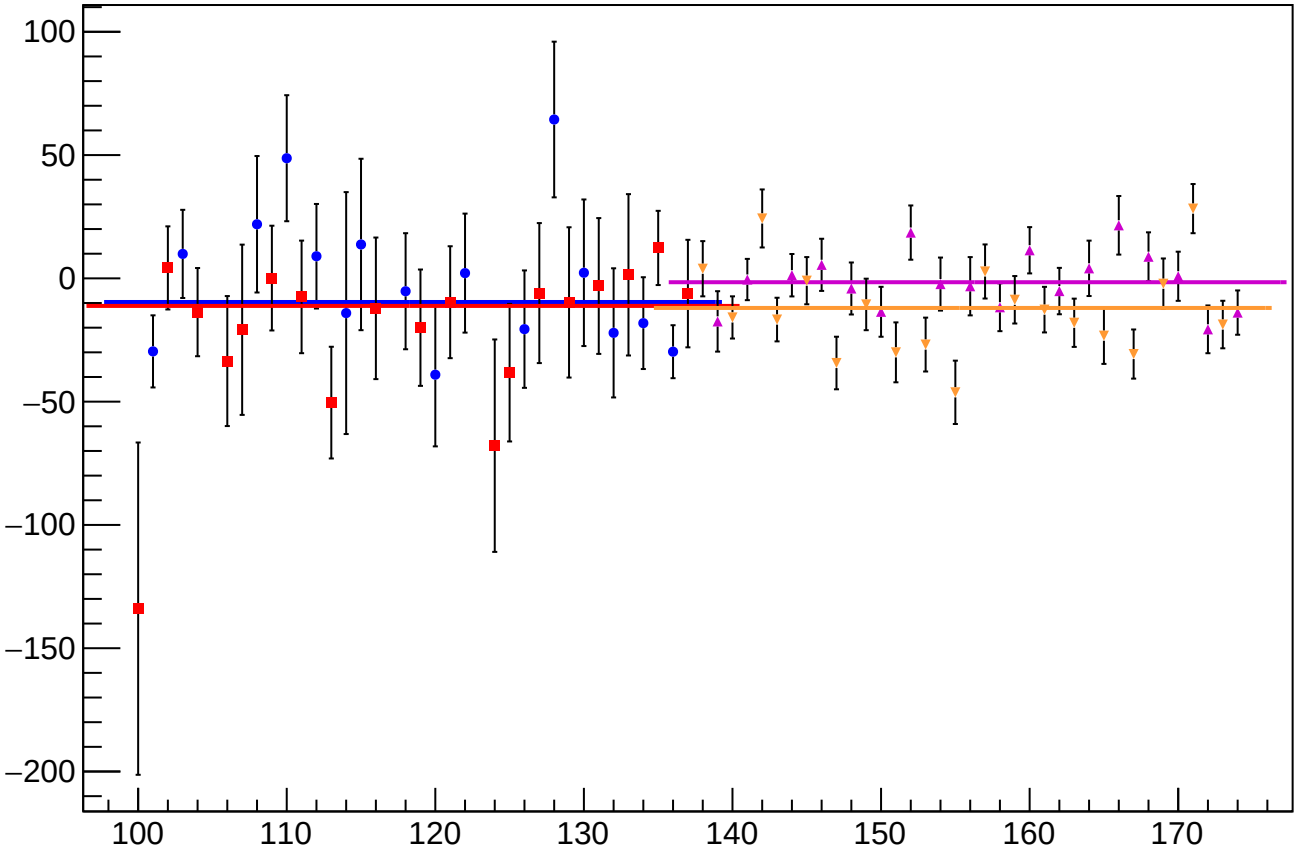
Left In: 0.008+/-0.000 χ^2/NDF:1007718.7/17

+ sign 0.009+/-0.000 χ^2/NDF: 4161307.7/34

All: 0.009+/-0.000 χ^2/NDF: 8473080.2/71

- 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: -12.000+/-2.350 χ^2/NDF:53.4/18

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

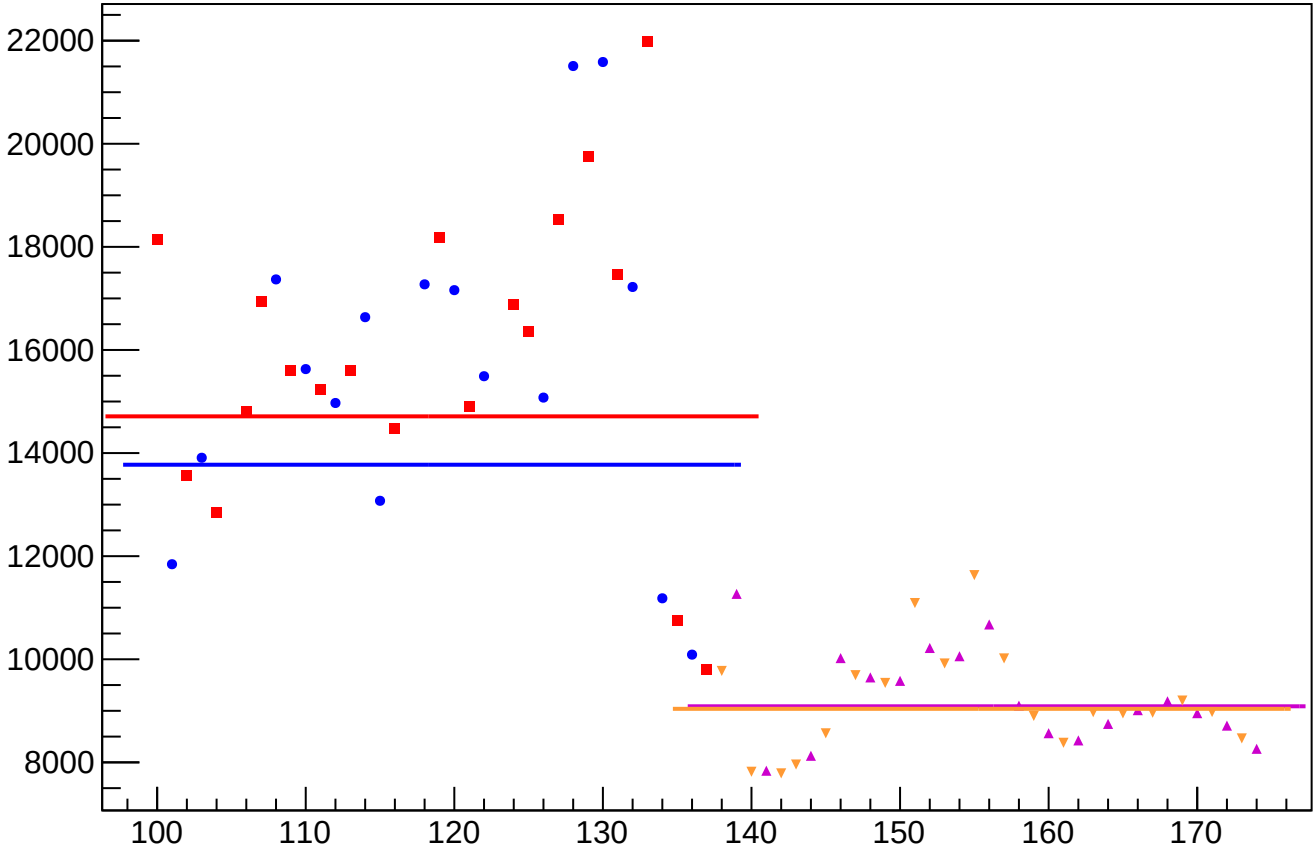
Left In: -1.563+/-2.371 χ^2/NDF:21.2/17

+ sign -11.601+/-2.148 χ^2/NDF: 75.5/34

All: -7.394+/-1.529 χ^2/NDF: 120.9/71

- 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: 9038.739+/-1.662 χ^2/NDF:304795.3/18

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

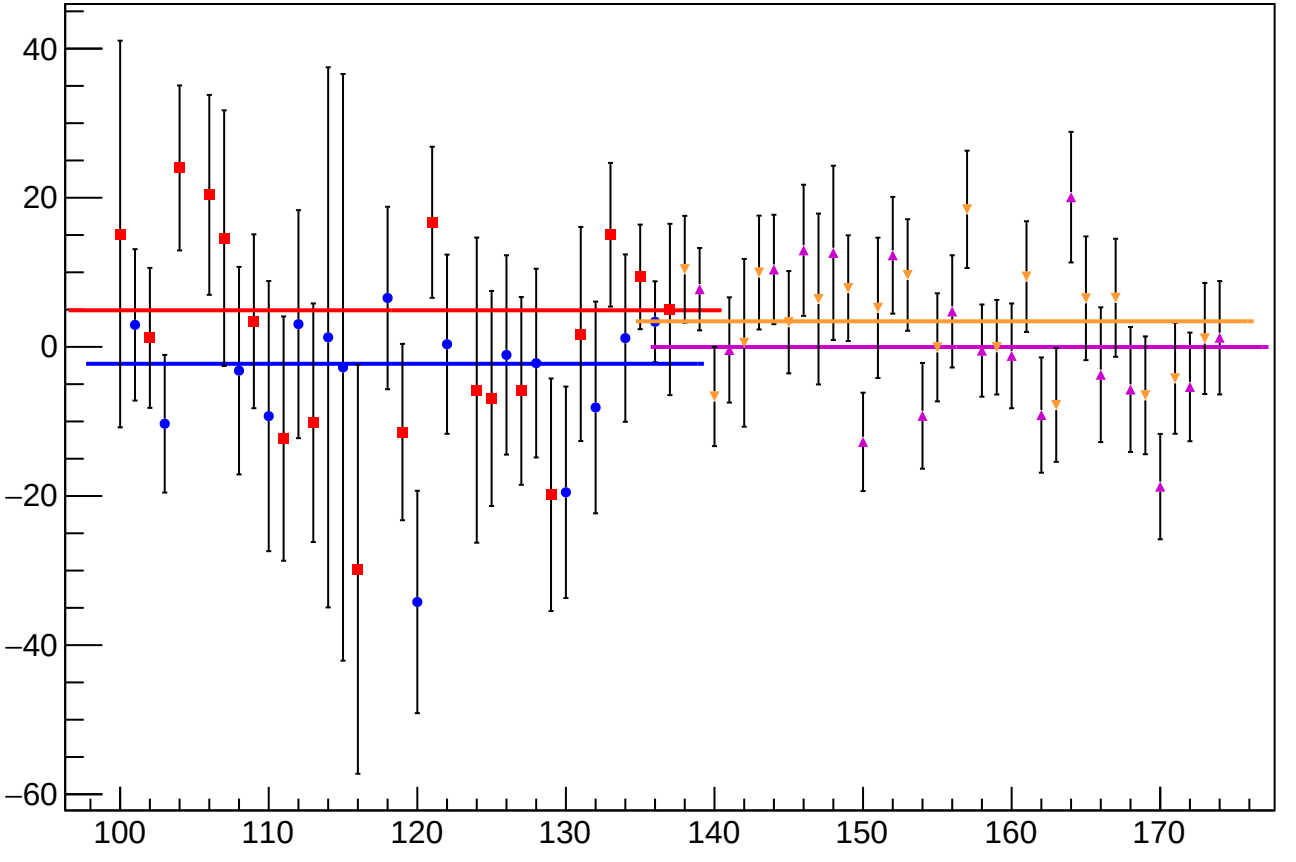
Left In: 9087.872+/-1.677 χ^2/NDF:270839.5/17

+ sign 9819.231+/-1.519 χ^2/NDF: 2390357.1/34

All: 9893.710+/-1.081 χ^2/NDF: 4988524.7/71

- 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: 3.429+/-1.759 χ^2/NDF:15.3/18

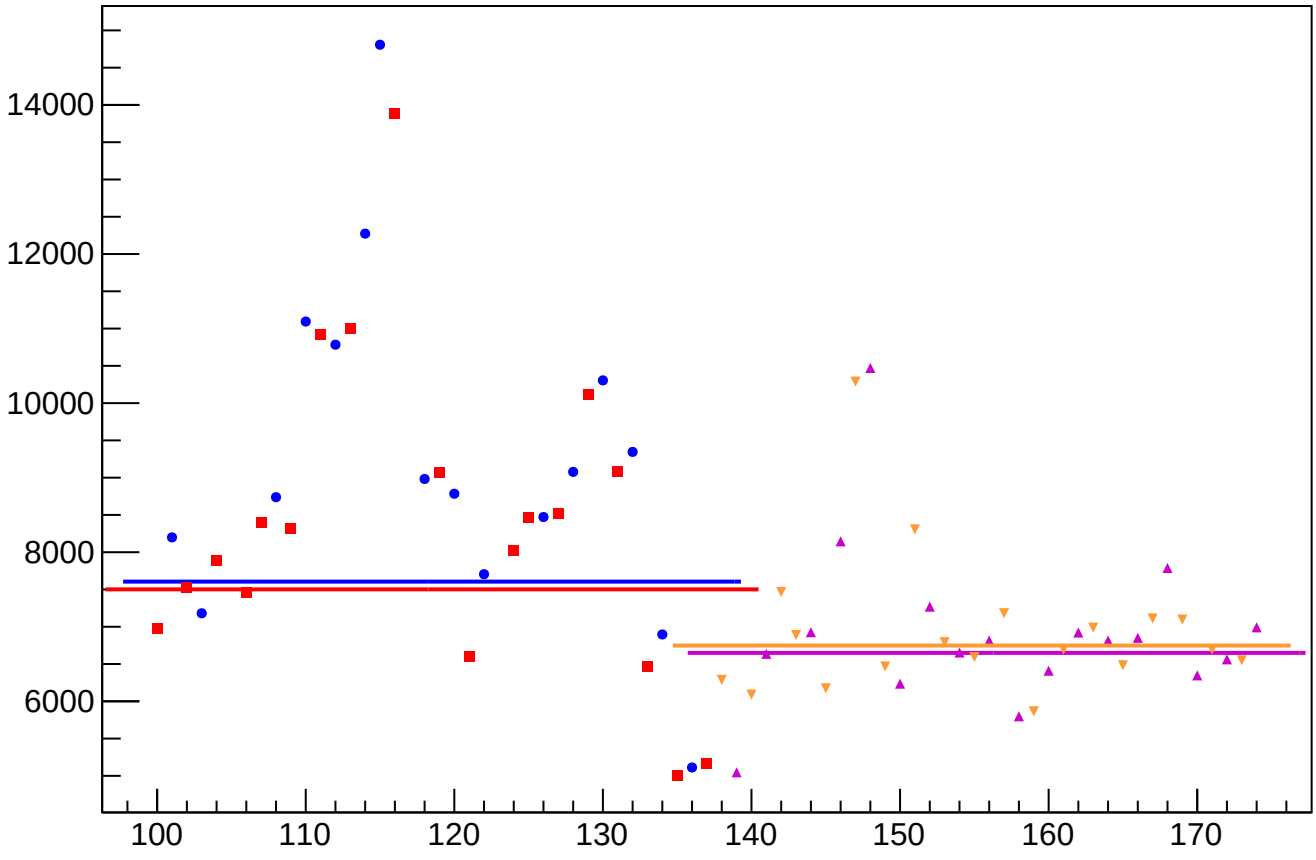
Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -0.015+/-1.748 χ^2/NDF:30.5/17

+ sign 1.913+/-1.507 χ^2/NDF: 27.3/34

All: 1.622+/-1.059 χ^2/NDF: 77.7/71

- sign 1.339+/-1.488 χ^2/NDF: 50.3/36



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6748.047+/-1.244 χ^2/NDF:359110.3/18

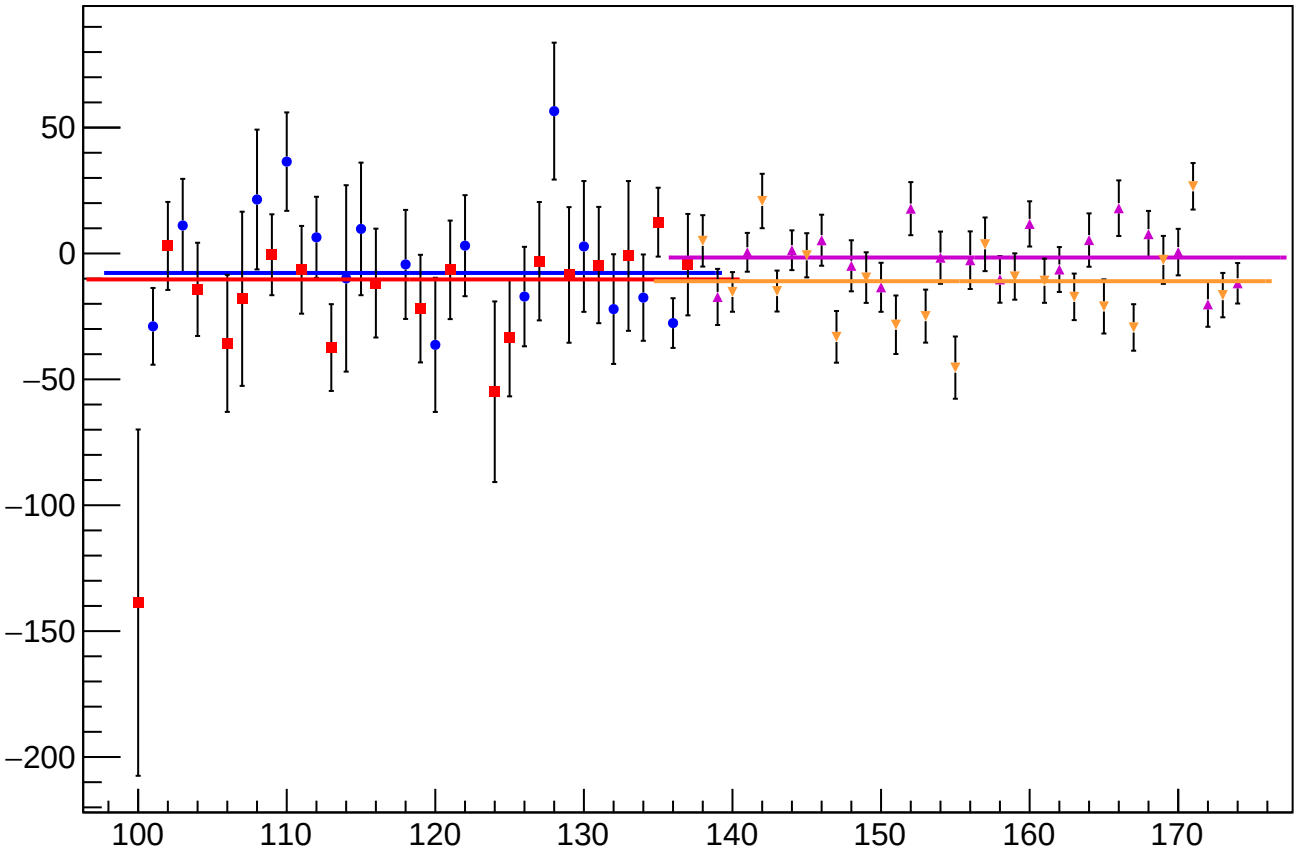
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6649.471+/-1.236 χ^2/NDF:553878.2/17

+ sign 6976.250+/-1.066 χ^2/NDF: 1377057.9/34

All: 6929.537+/-0.749 χ^2/NDF: 2889127.6/71

- 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: -11.006+/-2.203 χ^2/NDF:54.4/18

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

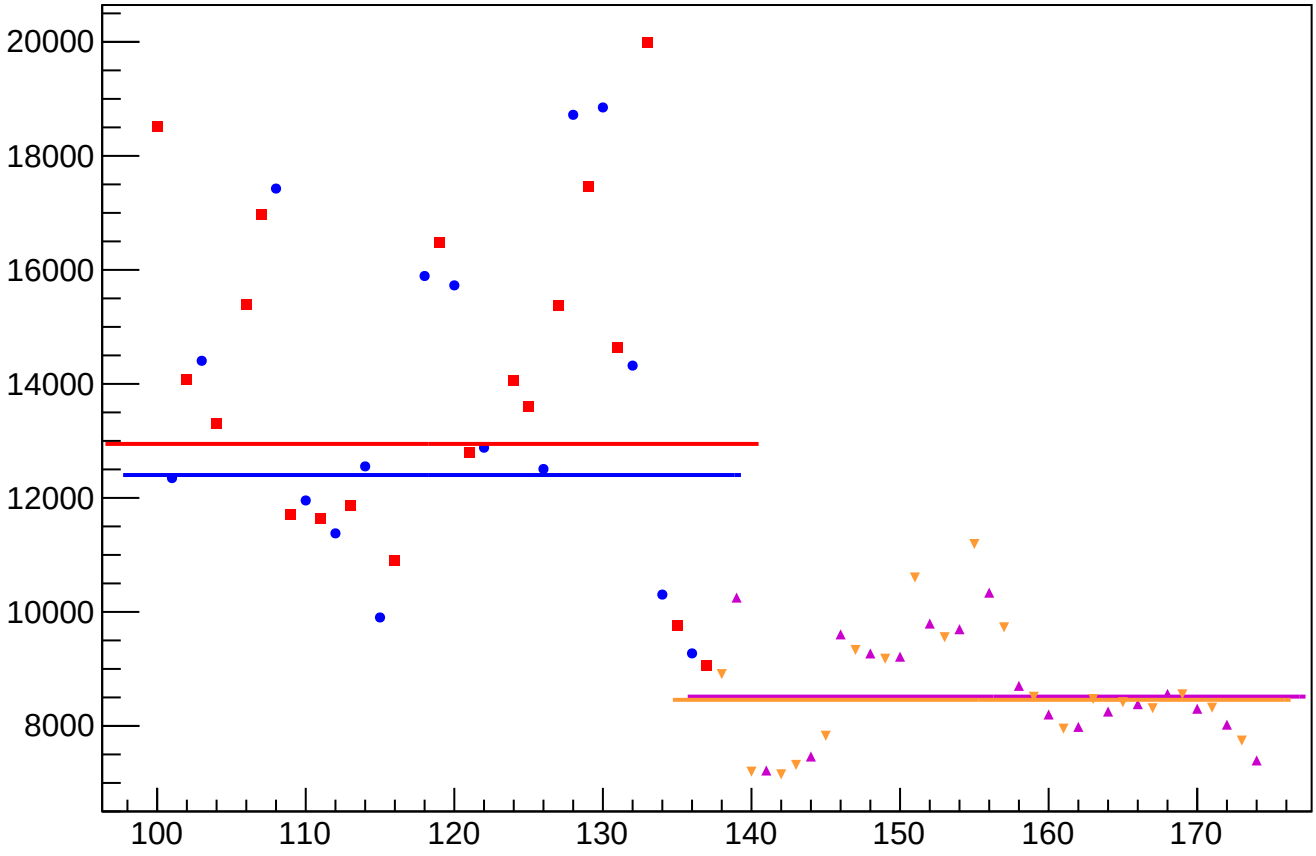
Left In: -1.606+/-2.225 χ^2/NDF:21.6/17

+ sign -10.428+/-1.998 χ^2/NDF: 77.5/34

All: -6.817+/-1.421 χ^2/NDF: 122.3/71

- 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: 8458.075+/-1.558 χ^2/NDF:396266.6/18

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

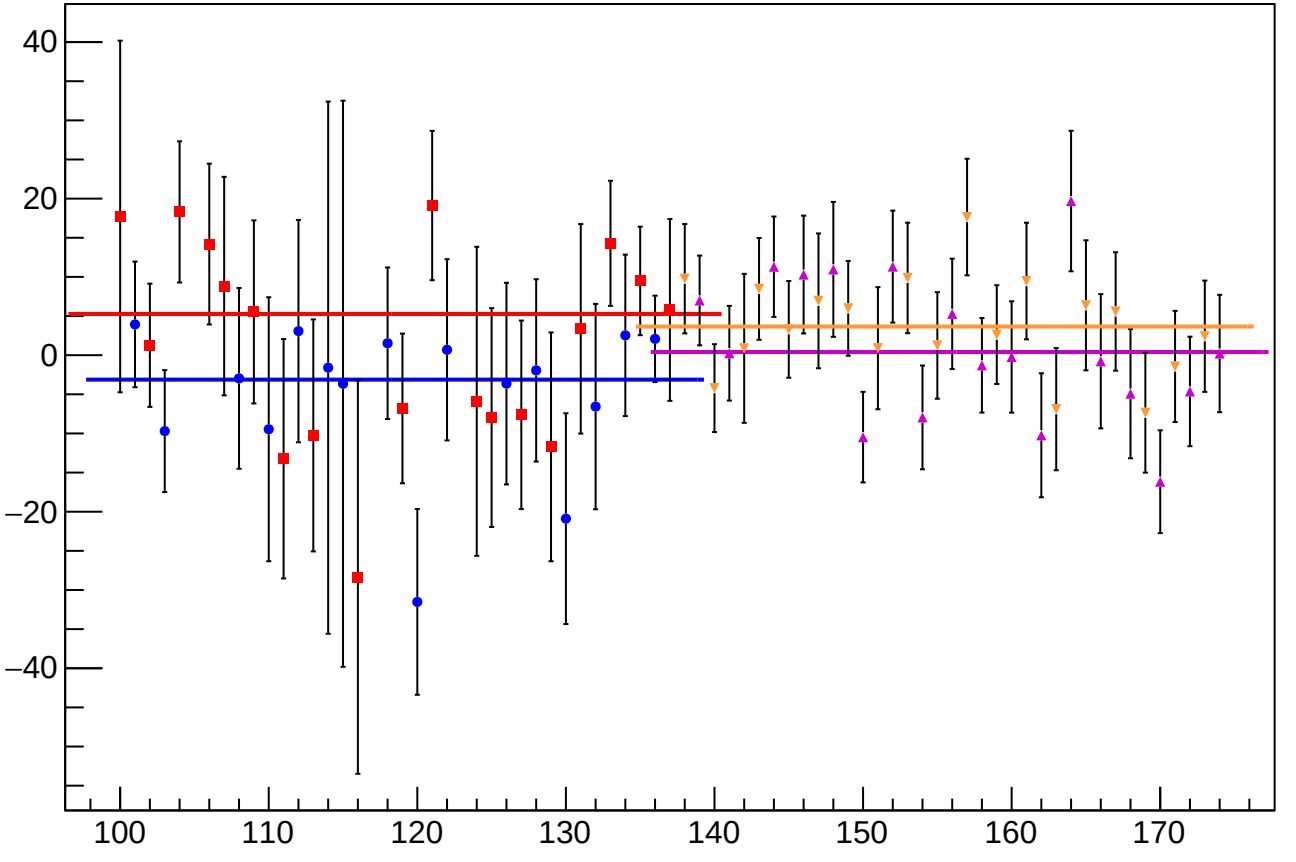
Left In: 8514.400+/-1.573 χ^2/NDF:349465.6/17

+ sign 9156.656+/-1.413 χ^2/NDF: 2209880.8/34

All: 9221.373+/-1.005 χ^2/NDF: 4504002.4/71

- 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: 3.659+/-1.626 χ^2/NDF:13.5/18

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

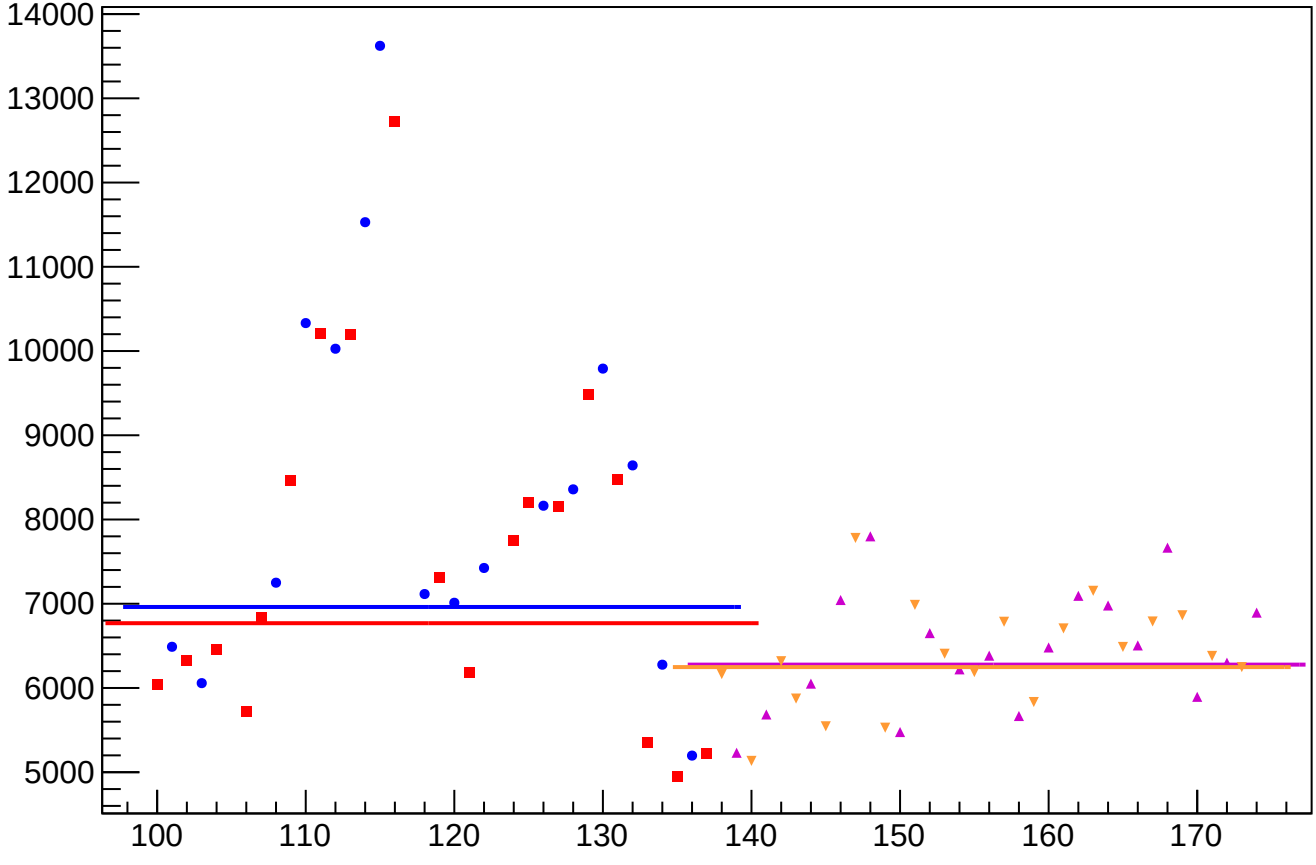
Left In: 0.406+/-1.642 χ^2/NDF:29.2/17

+ sign 1.810+/-1.387 χ^2/NDF: 29.1/34

All: 1.819+/-0.979 χ^2/NDF: 77.8/71

- 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: 6247.986+/-1.150 χ^2/NDF:301413.5/18

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

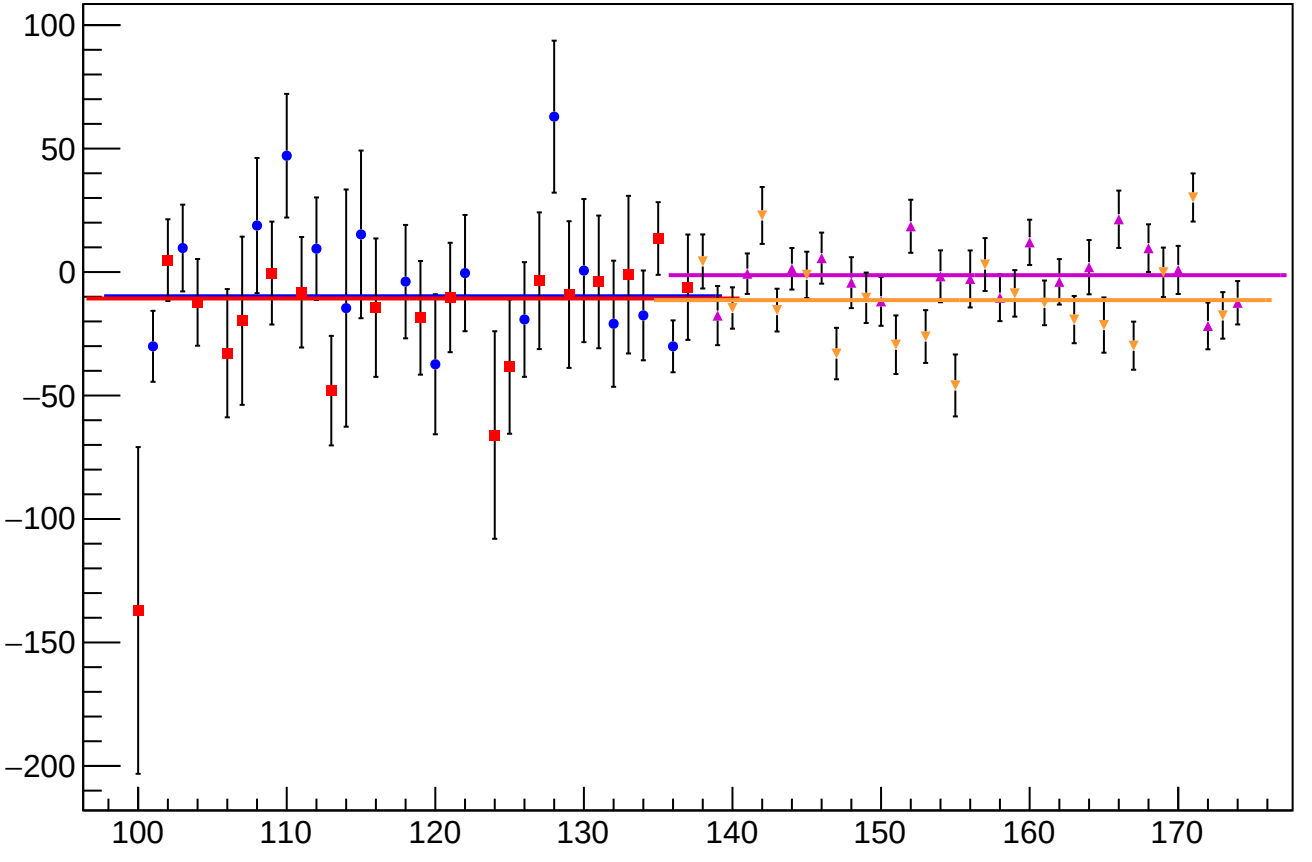
Left In: 6277.226+/-1.161 χ^2/NDF:349651.7/17

+ sign 6442.581+/-0.981 χ^2/NDF: 1102859.7/34

All: 6431.836+/-0.692 χ^2/NDF: 2303339.1/71

- 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: -11.365+/-2.298 χ^2/NDF:55.4/18

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

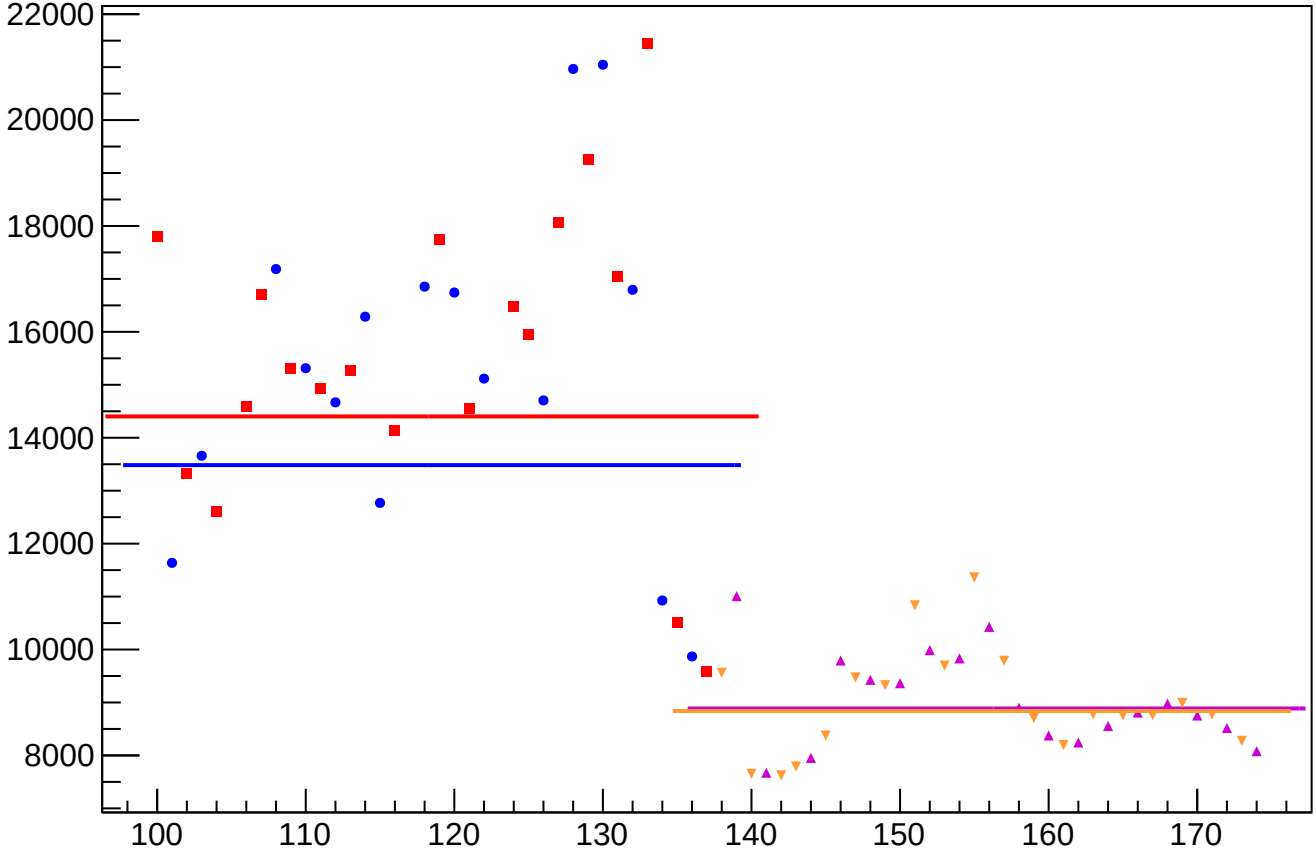
Left In: -1.270+/-2.319 χ^2/NDF:21.7/17

+ sign -11.109+/-2.101 χ^2/NDF: 77.6/34

All: -6.985+/-1.495 χ^2/NDF: 124.0/71

- 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: 8839.641+/-1.625 χ^2/NDF:301709.0/18

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

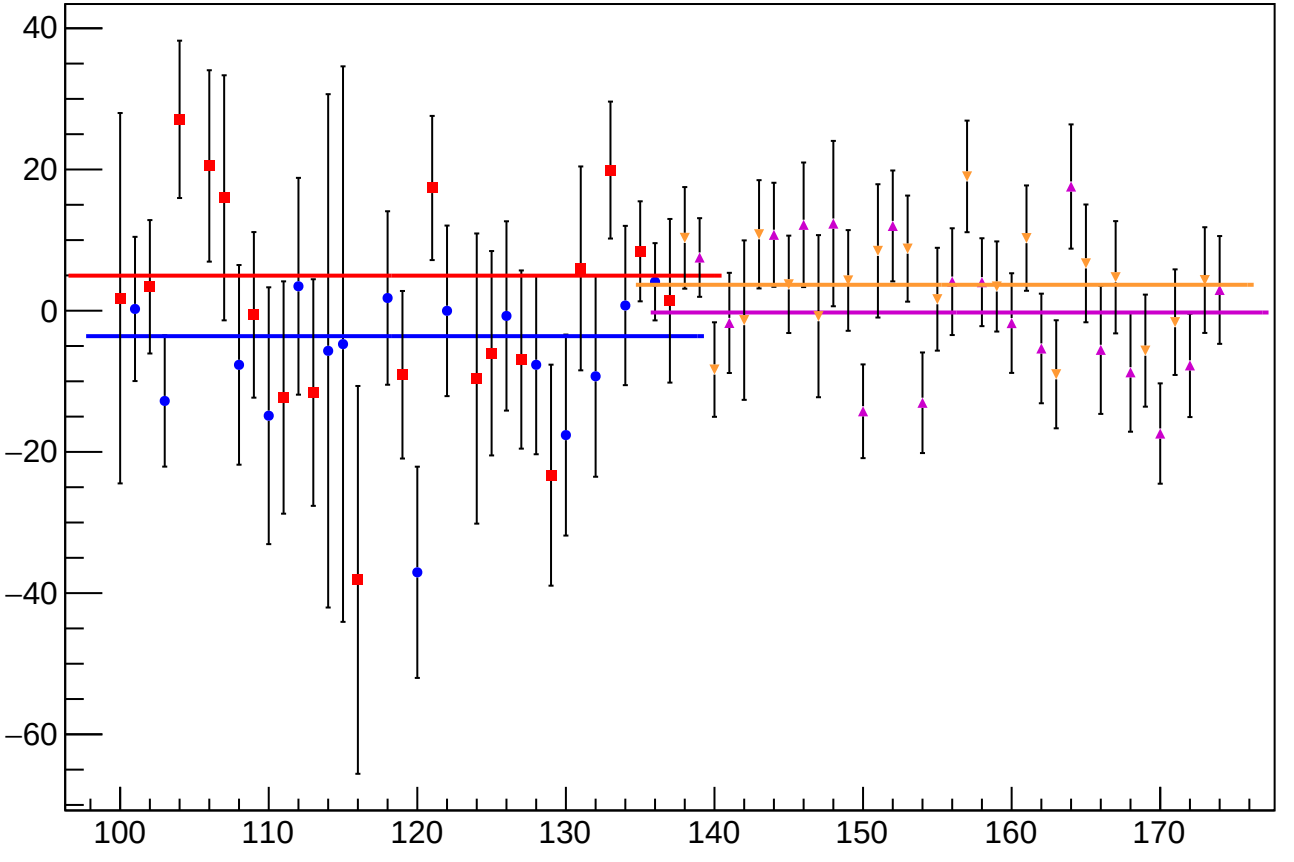
Left In: 8886.565+/-1.639 χ^2/NDF:267939.3/17

+ sign 9603.894+/-1.485 χ^2/NDF: 2388904.8/34

All: 9676.178+/-1.057 χ^2/NDF: 4986894.9/71

- 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: 3.671+/-1.768 χ^2/NDF:15.4/18

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

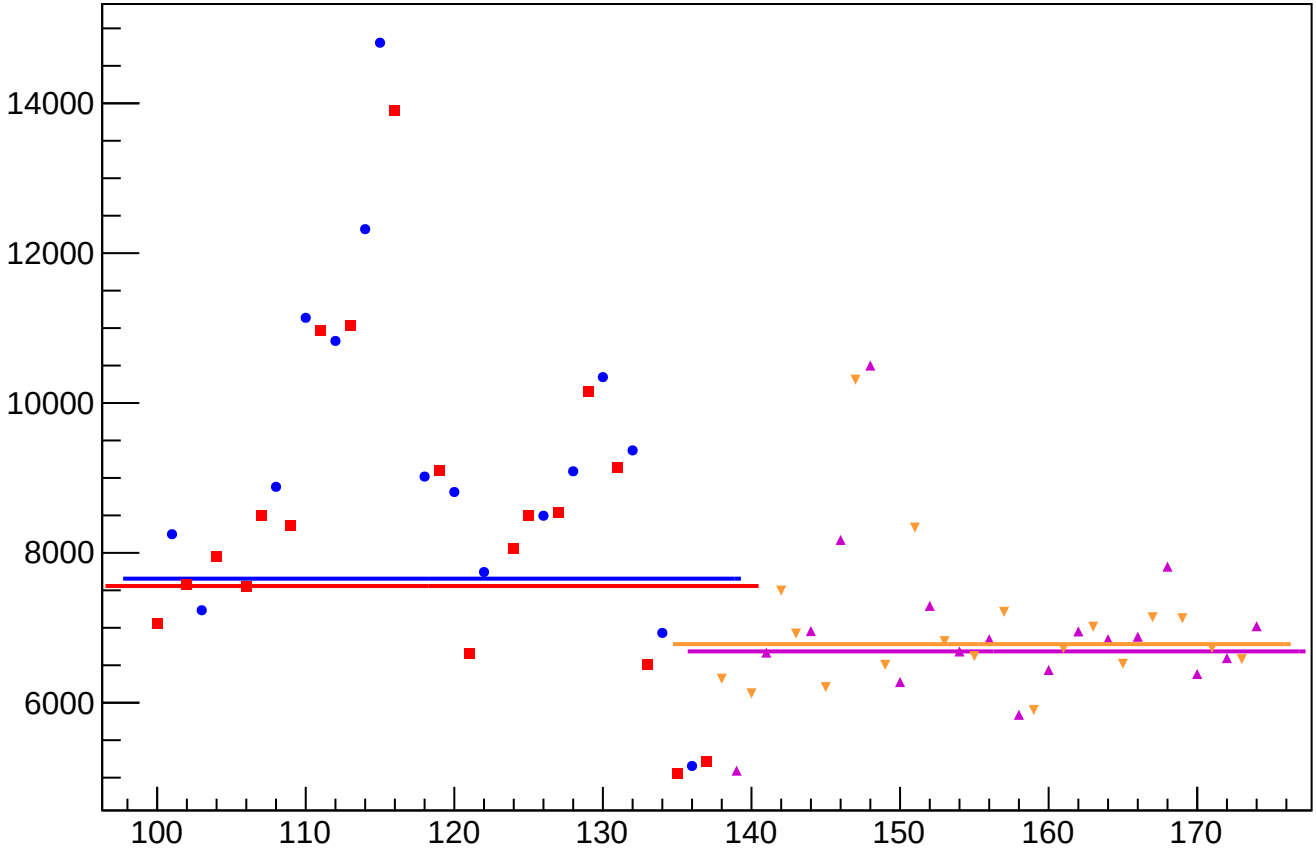
Left In: -0.255+/-1.757 χ^2/NDF:31.3/17

+ sign 1.739+/-1.515 χ^2/NDF: 30.4/34

All: 1.455+/-1.065 χ^2/NDF: 85.6/71

- 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: 6781.786+/-1.250 χ^2/NDF:354476.2/18

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

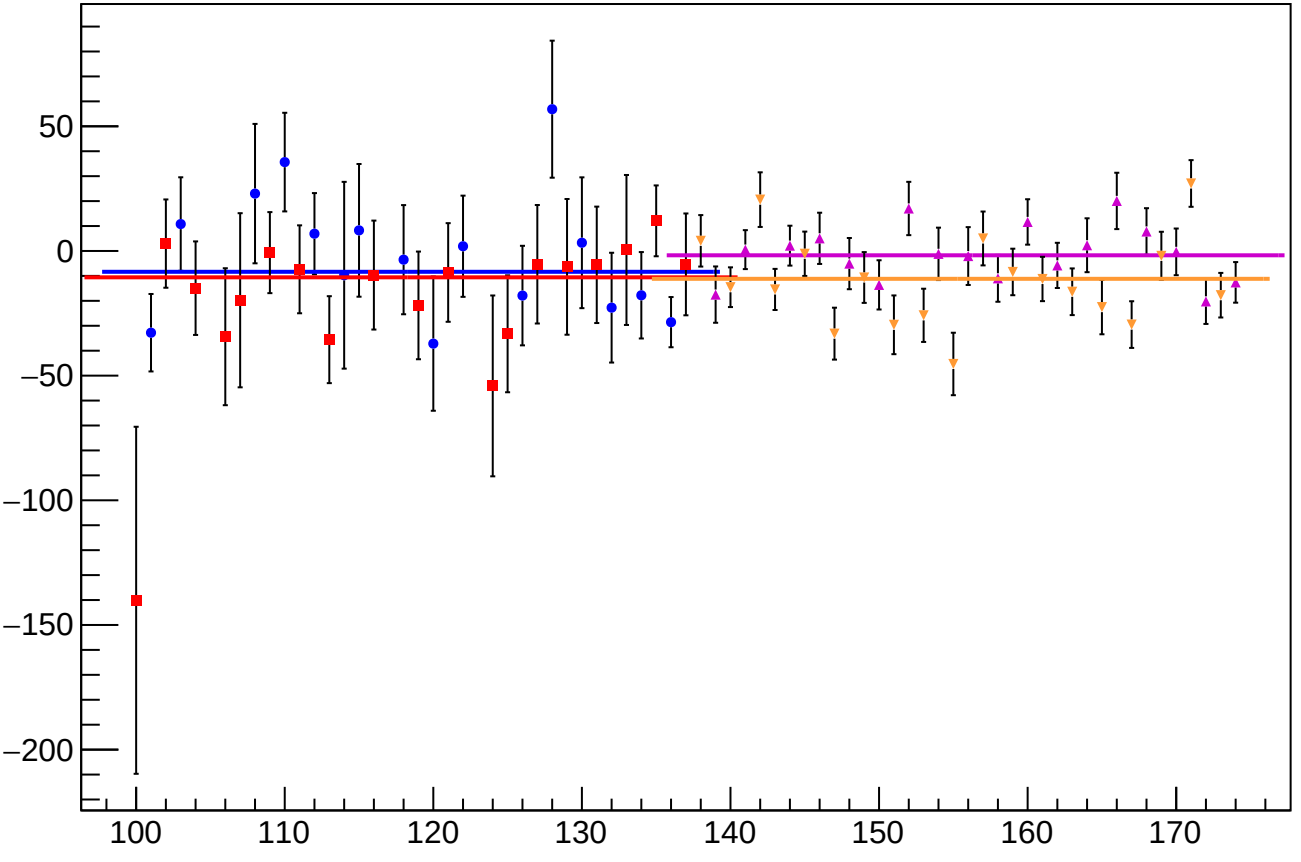
Left In: 6685.038+/-1.242 χ^2/NDF:542985.8/17

+ sign 7013.918+/-1.071 χ^2/NDF: 1364078.7/34

All: 6968.693+/-0.753 χ^2/NDF: 2855893.5/71

- 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: -11.168+/-2.232 χ^2/NDF:54.2/18

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

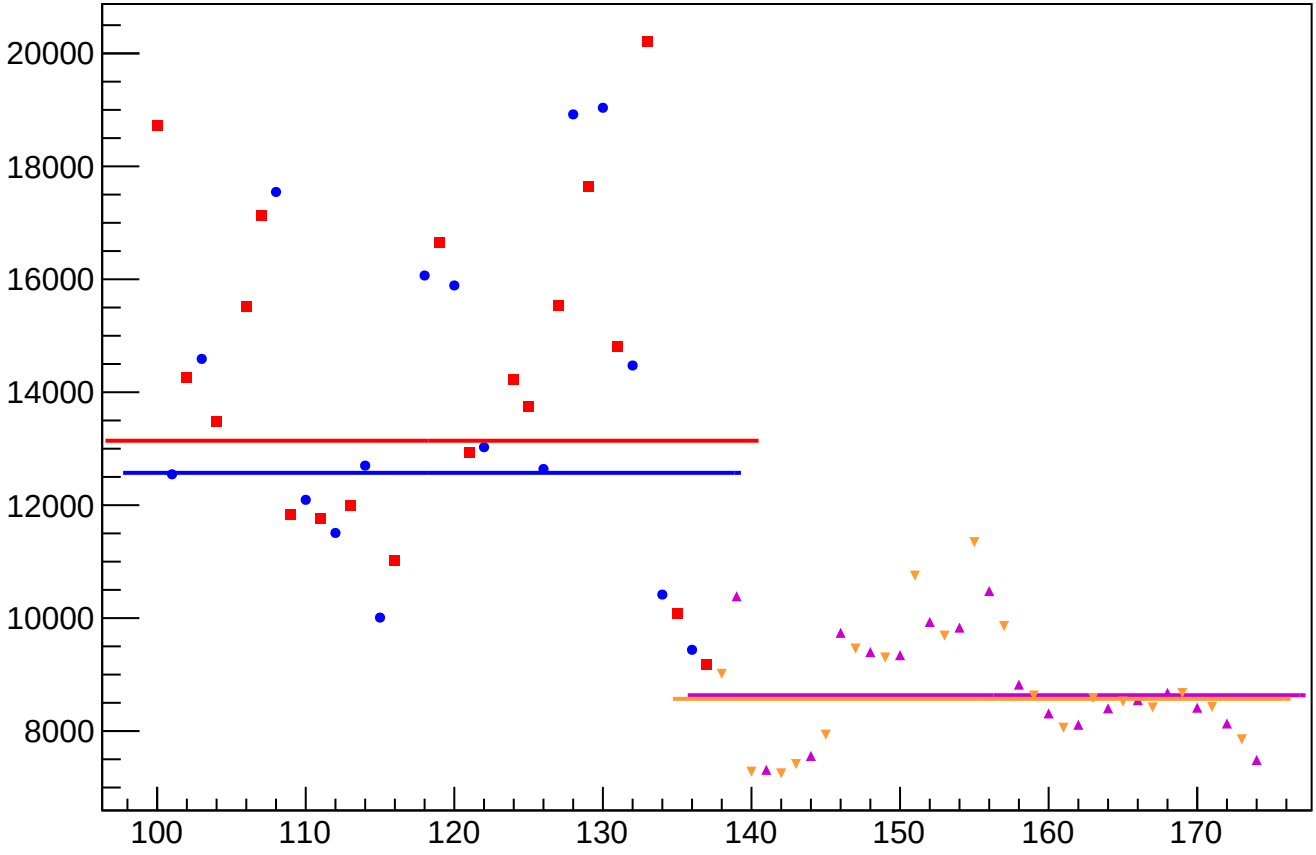
Left In: -1.735+/-2.256 χ^2/NDF:21.6/17

+ sign -10.670+/-2.025 χ^2/NDF: 77.8/34

All: -7.018+/-1.441 χ^2/NDF: 121.5/71

- 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: 8570.542+/-1.579 χ^2/NDF:397543.9/18

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

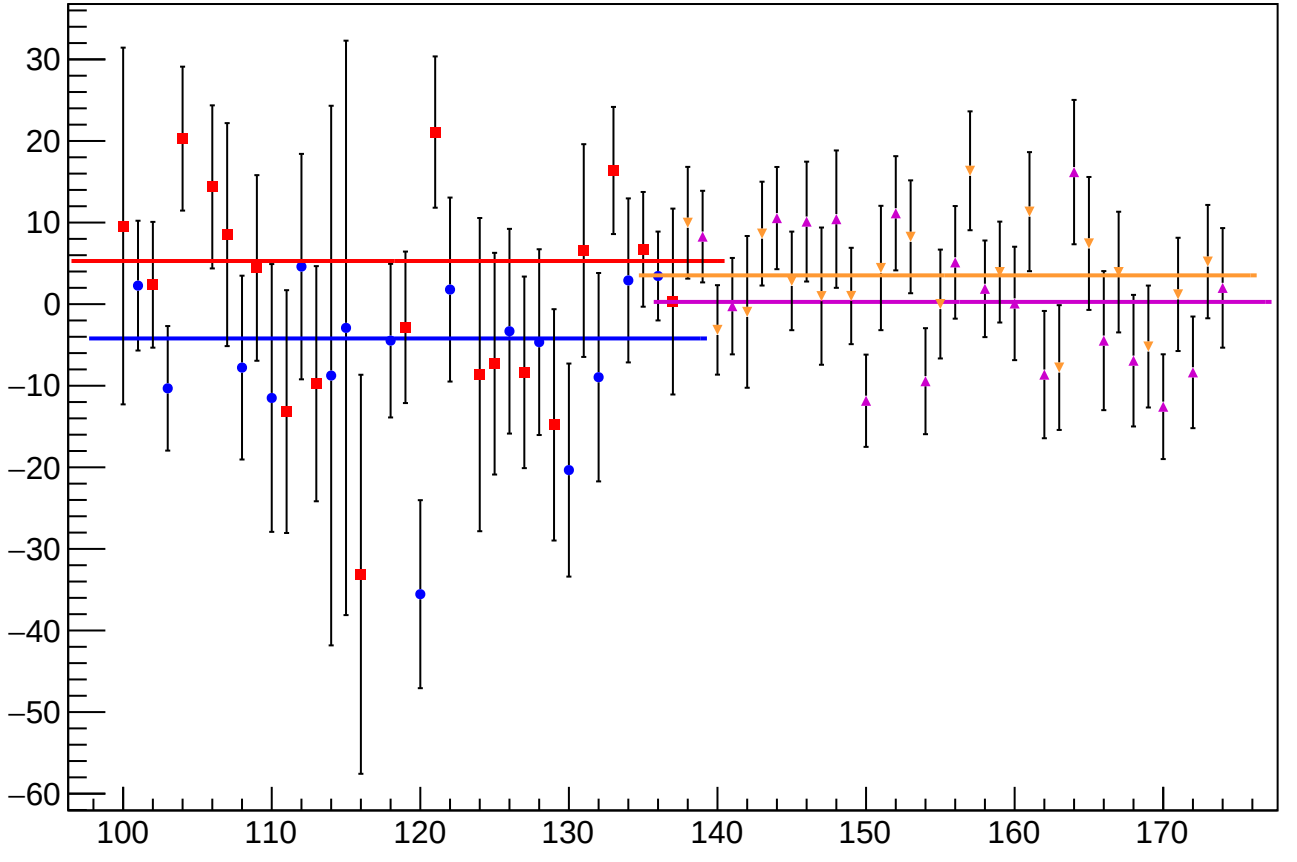
Left In: 8634.431+/-1.596 χ^2/NDF:349935.6/17

+ sign 9278.897+/-1.432 χ^2/NDF: 2200271.5/34

All: 9348.587+/-1.019 χ^2/NDF: 4480514.8/71

- 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: 3.529+/-1.591 χ^2/NDF:12.5/18

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

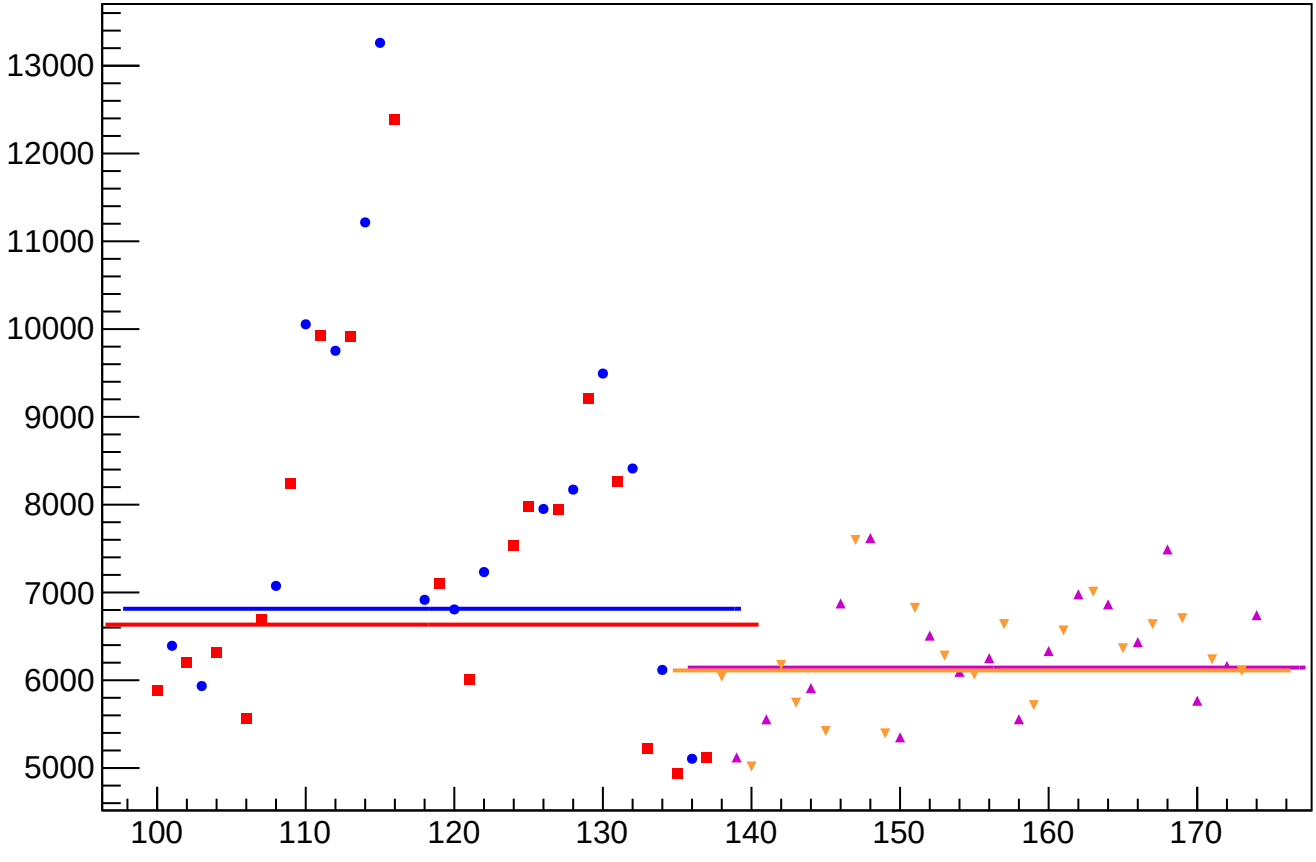
Left In: 0.274+/-1.608 χ^2/NDF:29.1/17

+ sign 1.423+/-1.357 χ^2/NDF: 32.8/34

All: 1.582+/-0.958 χ^2/NDF: 84.5/71

- 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: 6111.670+/-1.125 χ^2/NDF:302846.1/18

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

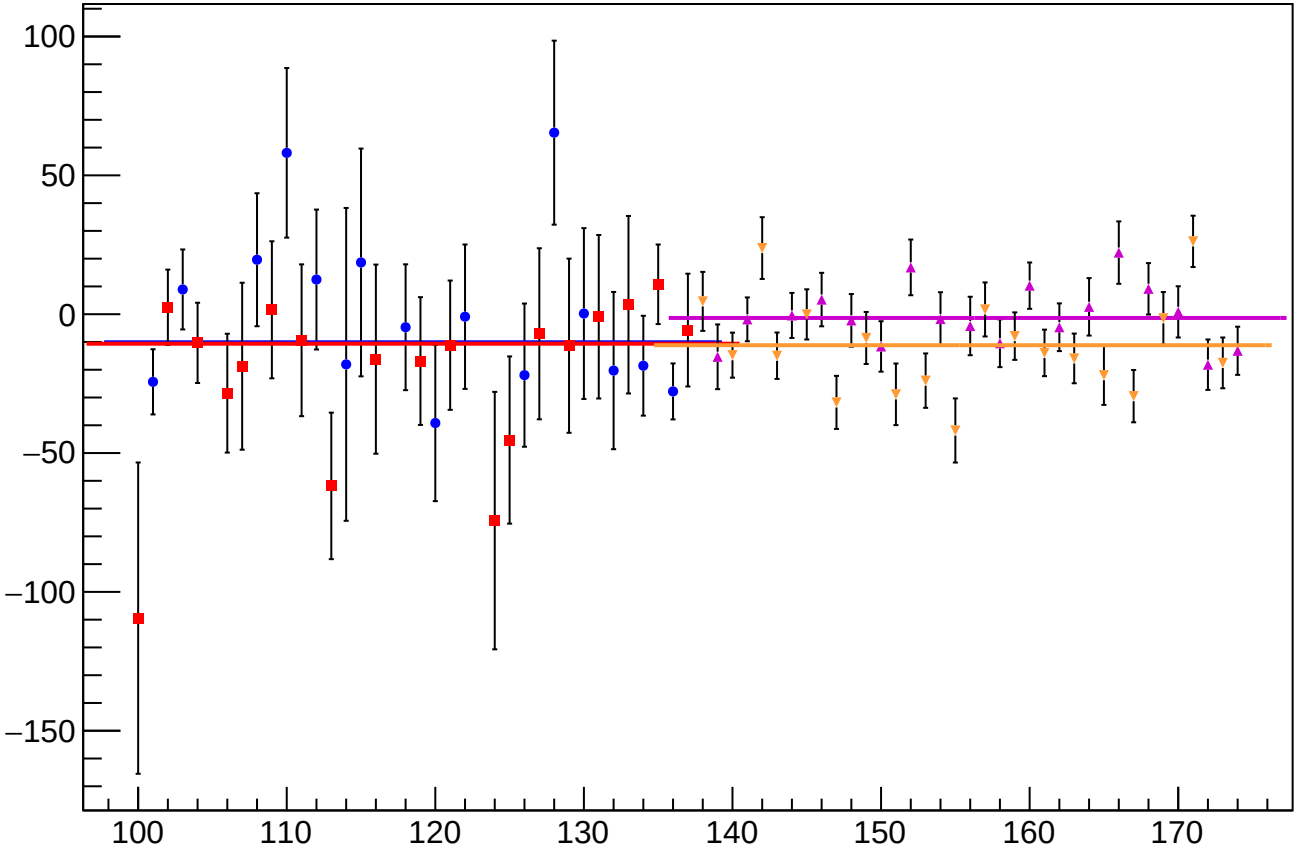
Left In: 6143.988+/-1.137 χ^2/NDF:351475.8/17

+ sign 6302.986+/-0.959 χ^2/NDF: 1083195.7/34

All: 6295.044+/-0.677 χ^2/NDF: 2252374.3/71

- 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: -11.171+/-2.167 χ^2/NDF:55.0/18

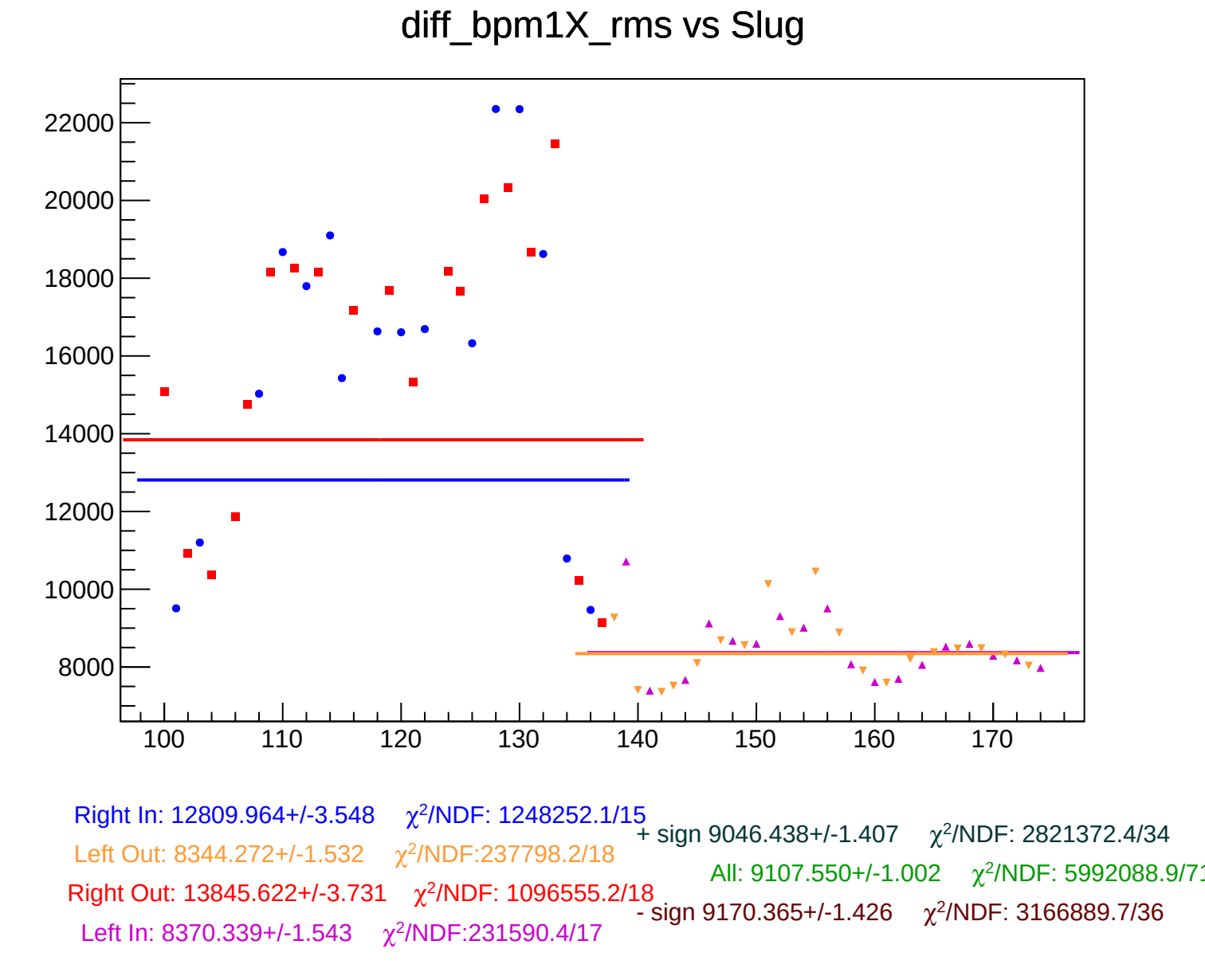
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -1.350+/-2.183 χ^2/NDF:21.0/17

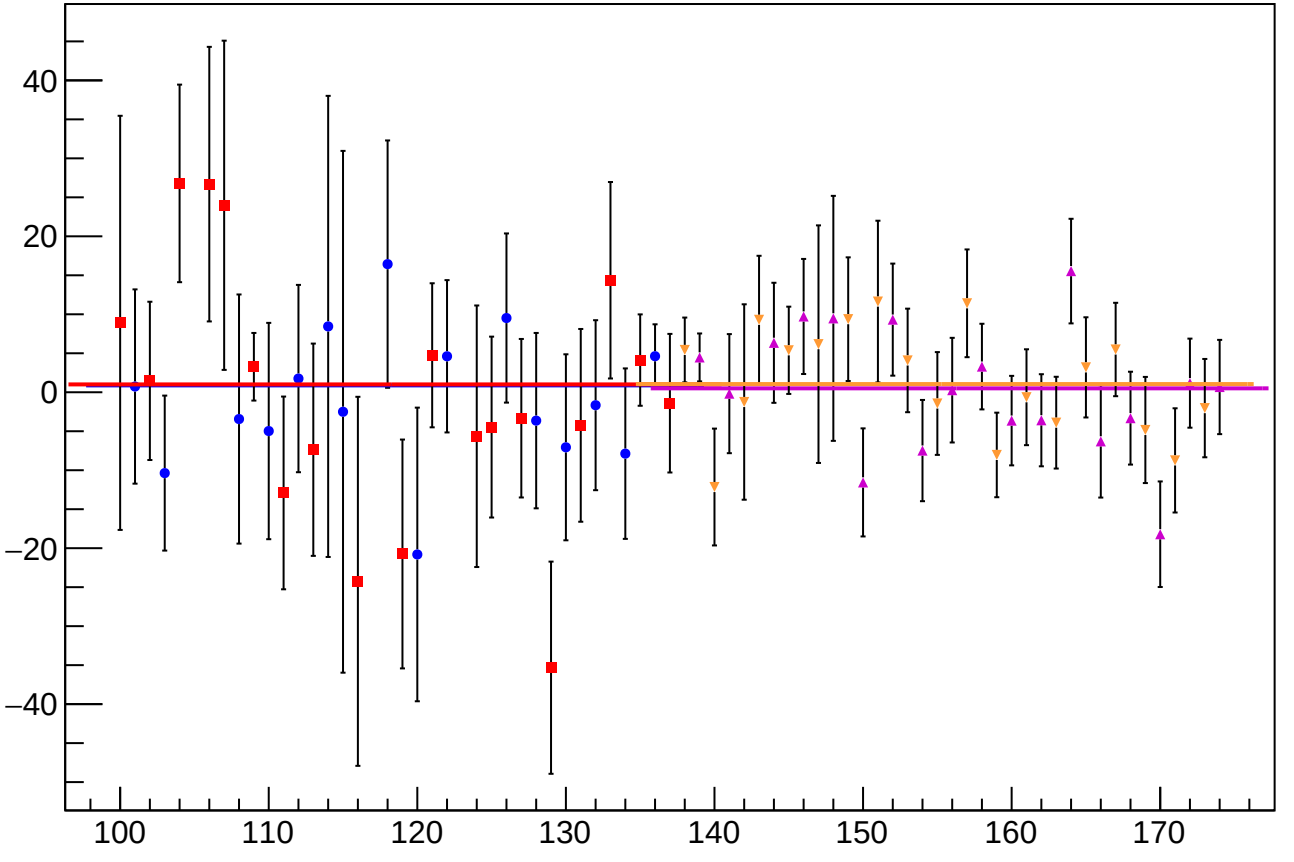
+ sign -11.005+/-1.989 χ^2/NDF: 76.3/34

All: -6.912+/-1.416 χ^2/NDF: 123.3/71

- sign -2.705+/-2.017 χ^2/NDF: 38.4/36


diff_bpm1X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 8344.272+/-1.532 χ²/NDF:237798.2/18
Right Out: 13845.622+/-3.731 χ²/NDF: 1096555.2/18
Left In: 8370.339+/-1.543 χ²/NDF:231590.4/17
+ sign 9046.438+/-1.407 χ²/NDF: 2821372.4/34
All: 9107.550+/-1.002 χ²/NDF: 5992088.9/71
- sign 9170.365+/-1.426 χ²/NDF: 3166889.7/36

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 1.050+/-1.515 χ^2/NDF:18.1/18

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

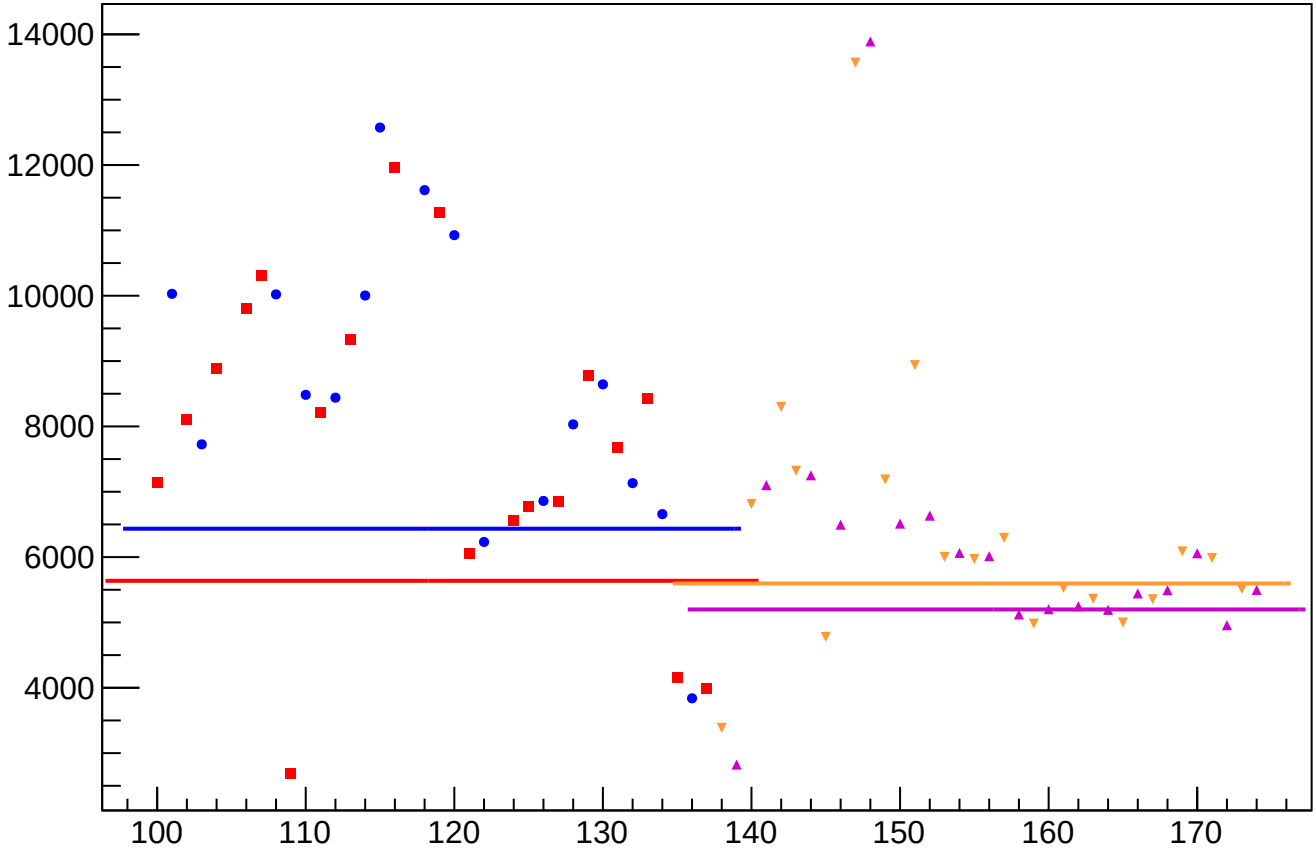
Left In: 0.501+/-1.428 χ^2/NDF:25.4/17

+ sign 1.007+/-1.305 χ^2/NDF: 24.9/34

All: 0.811+/-0.889 χ^2/NDF: 72.7/71

- 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: 5596.174+/-1.071 χ^2/NDF:1779628.6/18

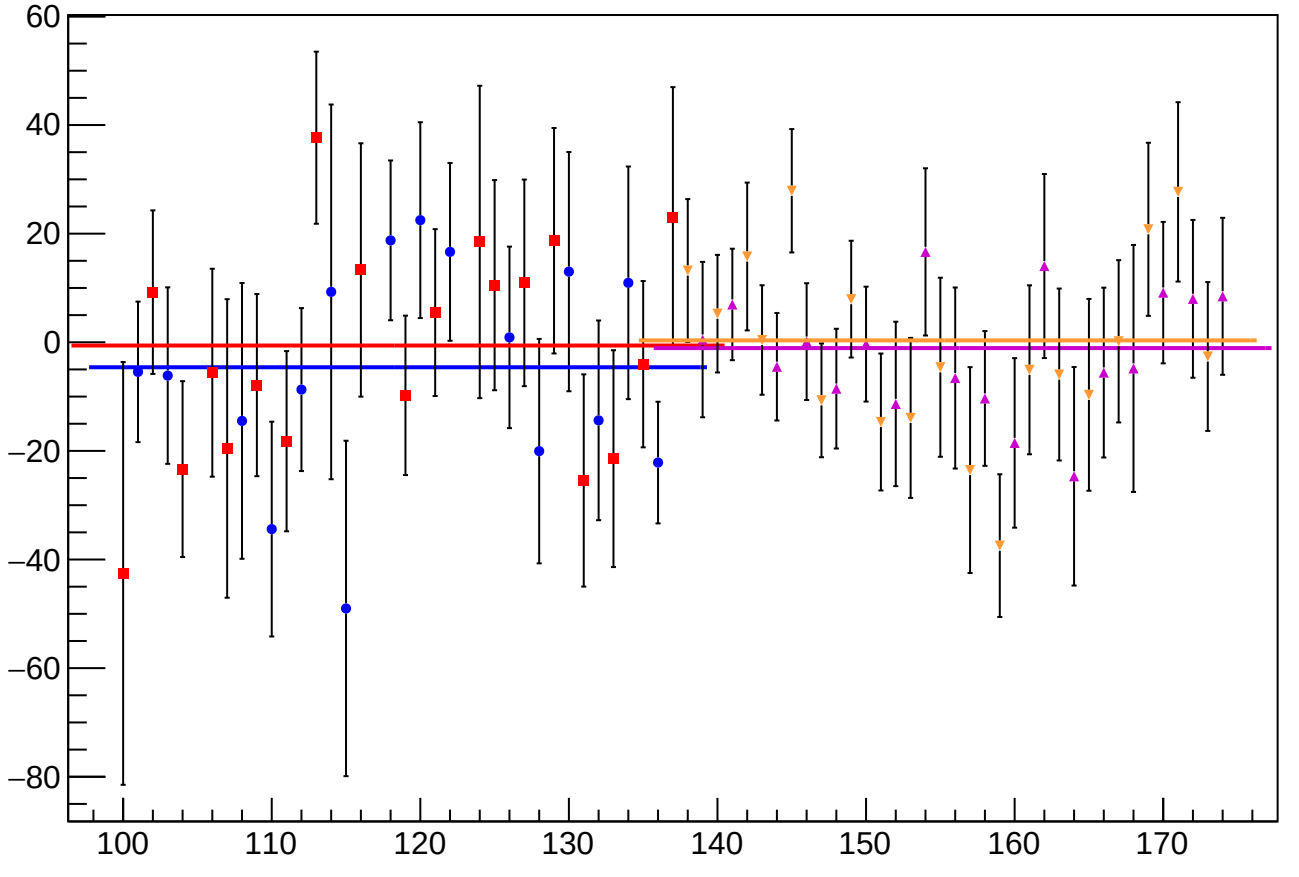
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5199.070+/-1.010 χ^2/NDF:2399274.6/17

+ sign 5812.917+/-0.923 χ^2/NDF: 3688536.0/34

All: 5549.015+/-0.629 χ^2/NDF: 8872609.1/71

- 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: 0.345+/-3.058 χ^2/NDF:27.3/18

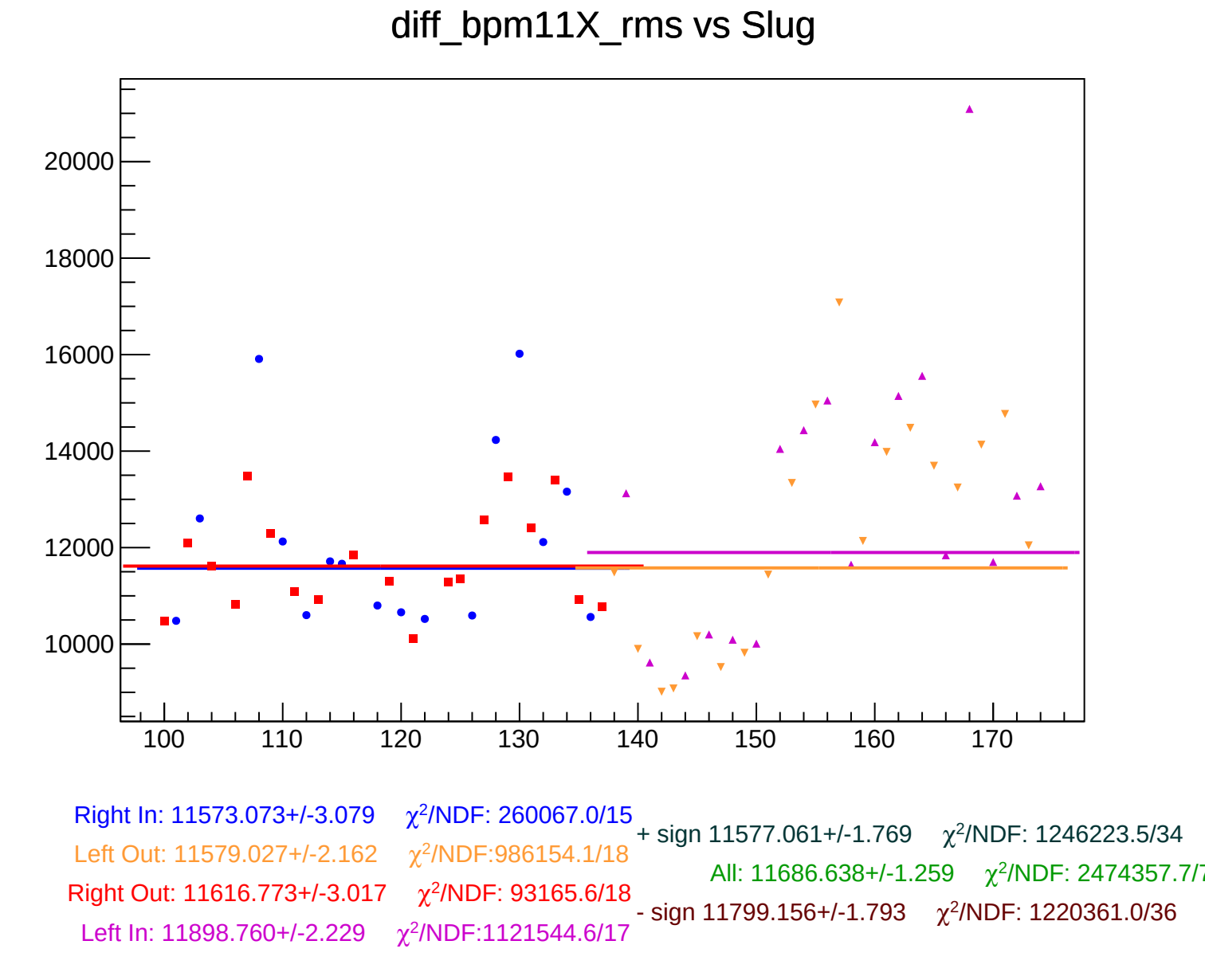
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -1.072+/-3.153 χ^2/NDF:8.6/17

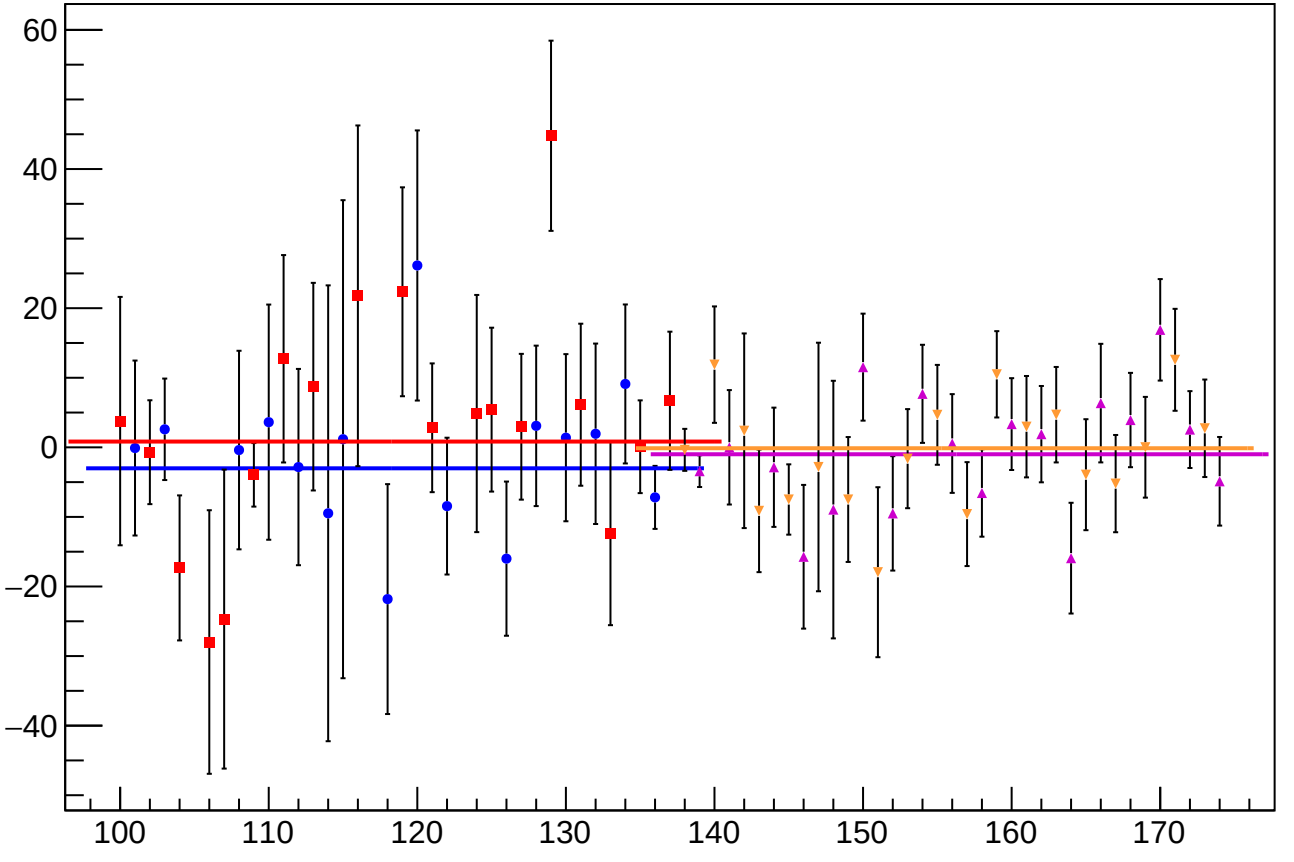
+ sign -1.289+/-2.502 χ^2/NDF: 43.9/34

All: -1.100+/-1.781 χ^2/NDF: 70.5/71

- 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: 11579.027+/-2.162 χ²/NDF:986154.1/18
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 11898.760+/-2.229 χ²/NDF:1121544.6/17
+ sign 11577.061+/-1.769 χ²/NDF: 1246223.5/34
All: 11686.638+/-1.259 χ²/NDF: 2474357.7/7
- 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: -0.129+/-1.541 χ^2/NDF:17.7/18

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

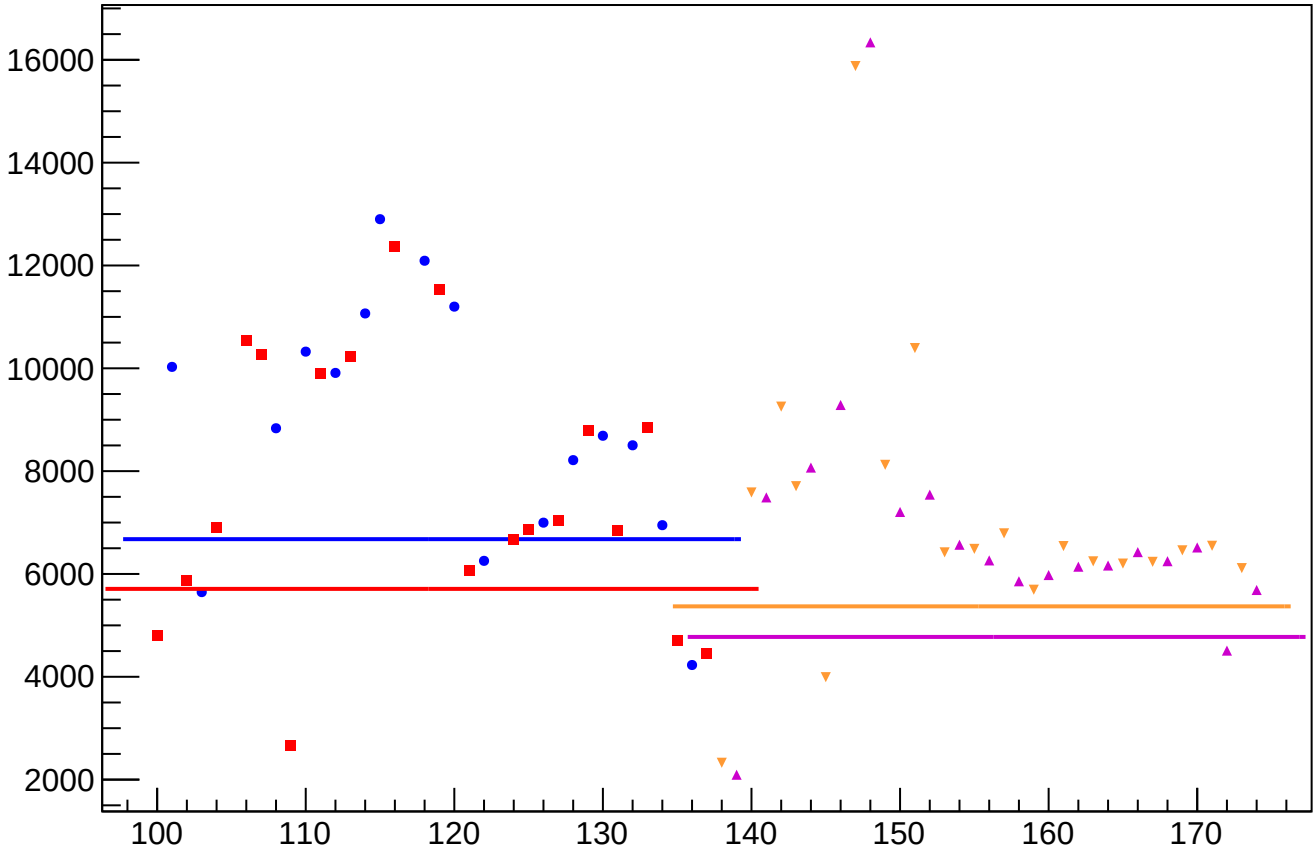
Left In: -0.993+/-1.412 χ^2/NDF:21.7/17

+ sign -0.857+/-1.333 χ^2/NDF: 27.3/34

All: -0.667+/-0.896 χ^2/NDF: 73.3/71

- 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: 5369.846+/-1.090 χ^2/NDF:4261537.0/18

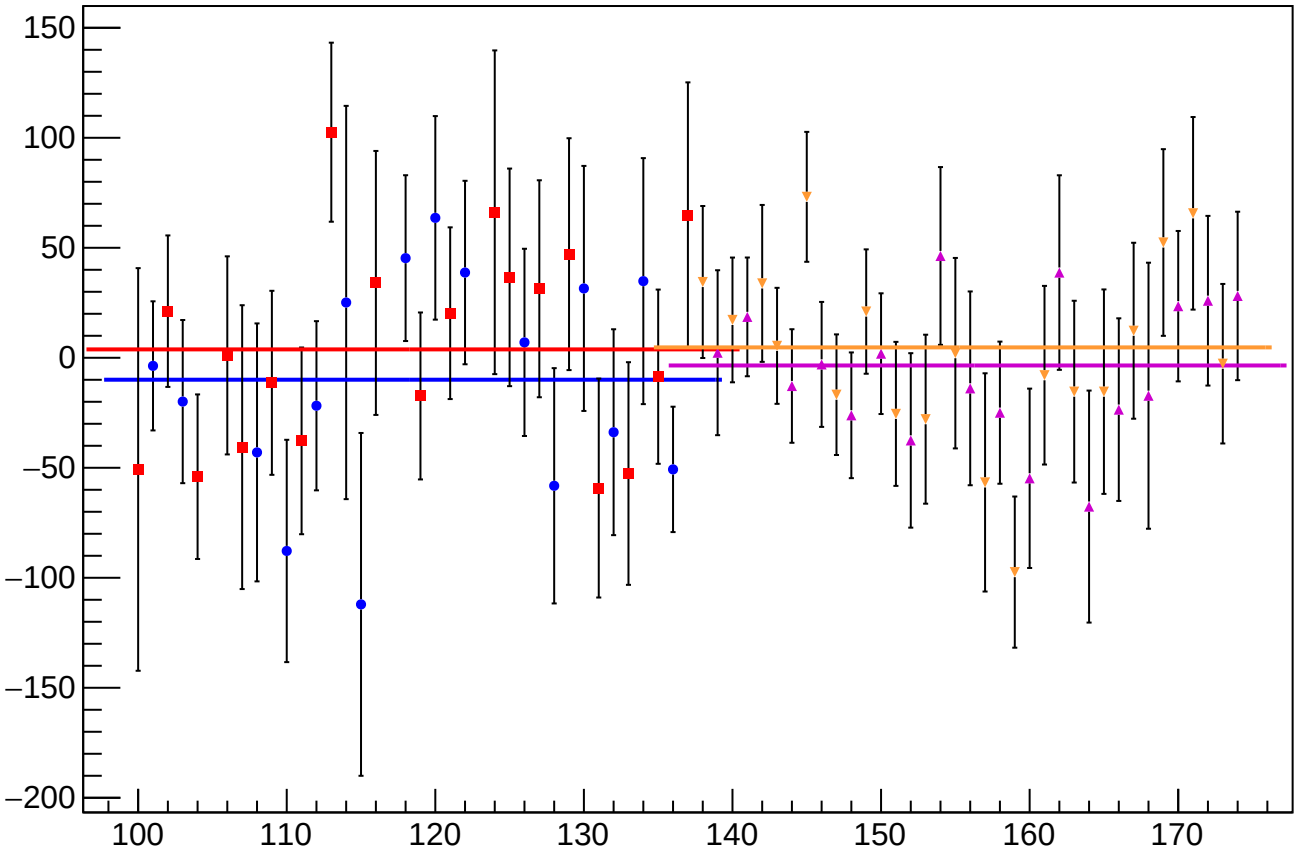
Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4775.367+/-0.999 χ^2/NDF:5676374.4/17

+ sign 5699.528+/-0.942 χ^2/NDF: 6197151.9/34

All: 5328.840+/-0.634 χ^2/NDF: 14688976.5/7

- sign 5023.028+/-0.856 χ^2/NDF: 8209518.2/36



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 4.723+/-8.018 χ^2/NDF:23.7/18

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

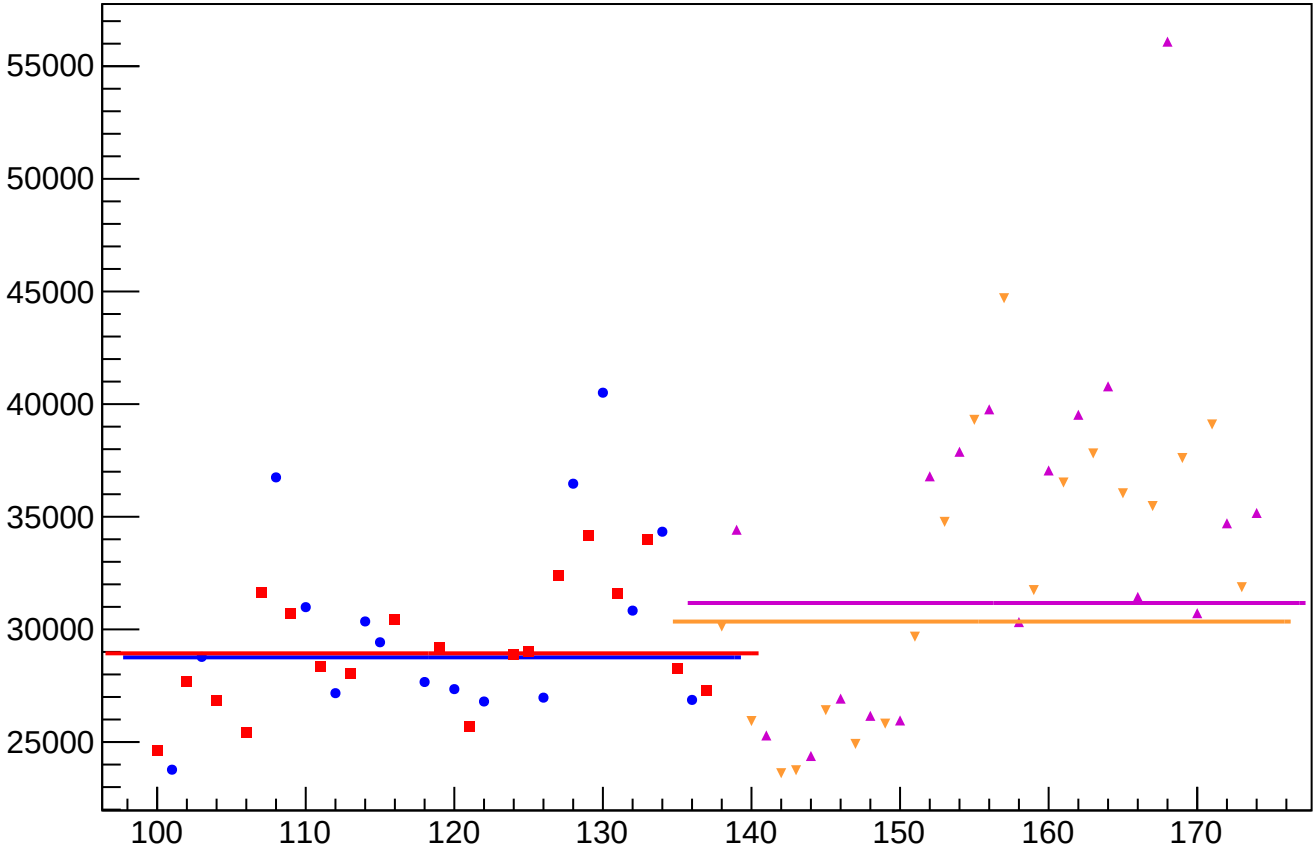
Left In: -3.494+/-8.265 χ^2/NDF:10.4/17

\+ sign -0.475+/-6.446 χ^2/NDF: 40.2/34

All: -0.607+/-4.586 χ^2/NDF: 68.1/71

\- sign -0.743+/-6.526 χ^2/NDF: 28.0/36

diff_bpm12X_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 30347.896+/-5.670 χ^2/NDF:1010779.3/18

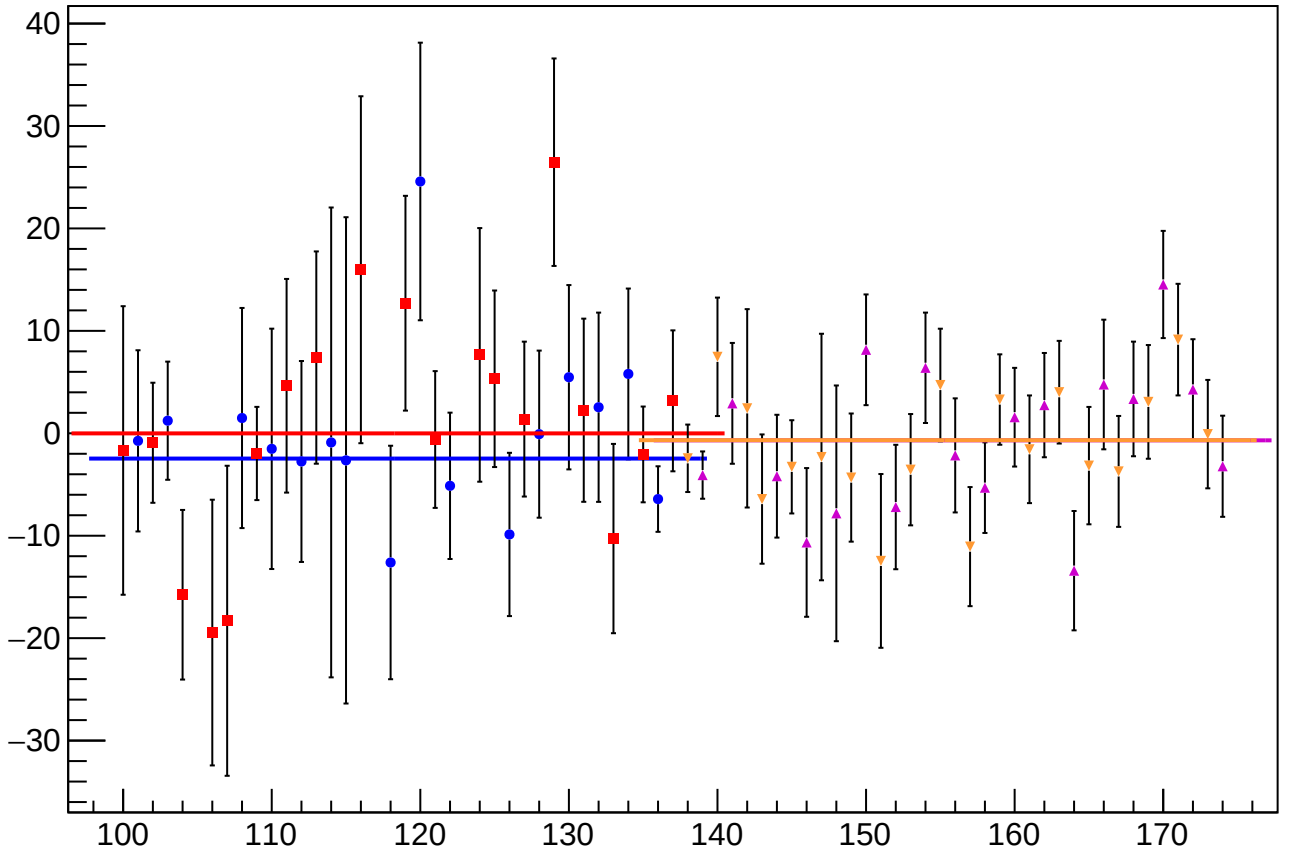
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 31172.088+/-5.844 χ^2/NDF:1158164.5/17

+ sign 29785.751+/-4.558 χ^2/NDF: 1316201.5/34

All: 30054.895+/-3.243 χ^2/NDF: 2642728.4/7

- 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: -0.673+/-1.247 χ^2/NDF:16.2/18

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

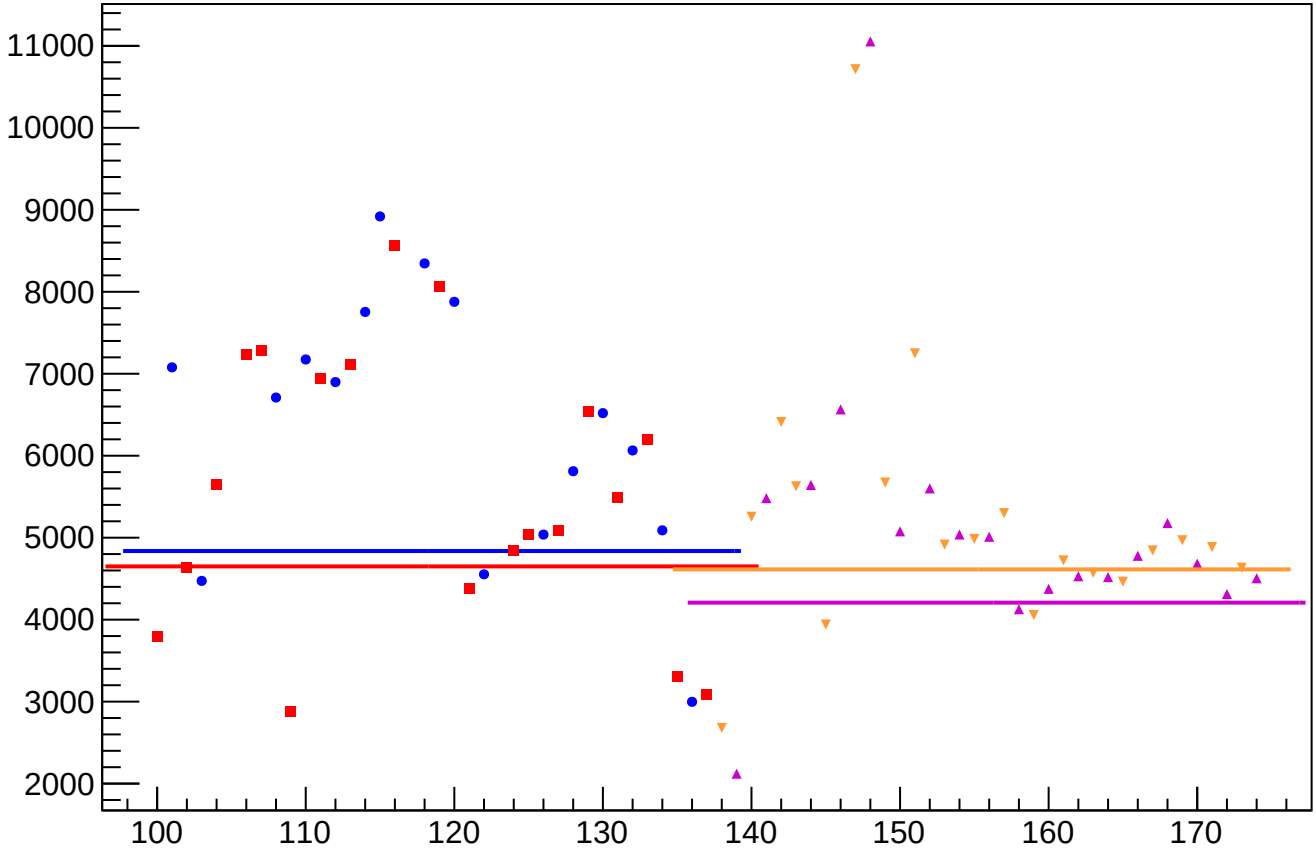
Left In: -0.688+/-1.166 χ^2/NDF:28.2/17

+ sign -1.207+/-1.045 χ^2/NDF: 26.8/34

All: -0.828+/-0.716 χ^2/NDF: 75.4/71

- 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: 4613.353+/-0.882 χ^2/NDF:1737577.0/18

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

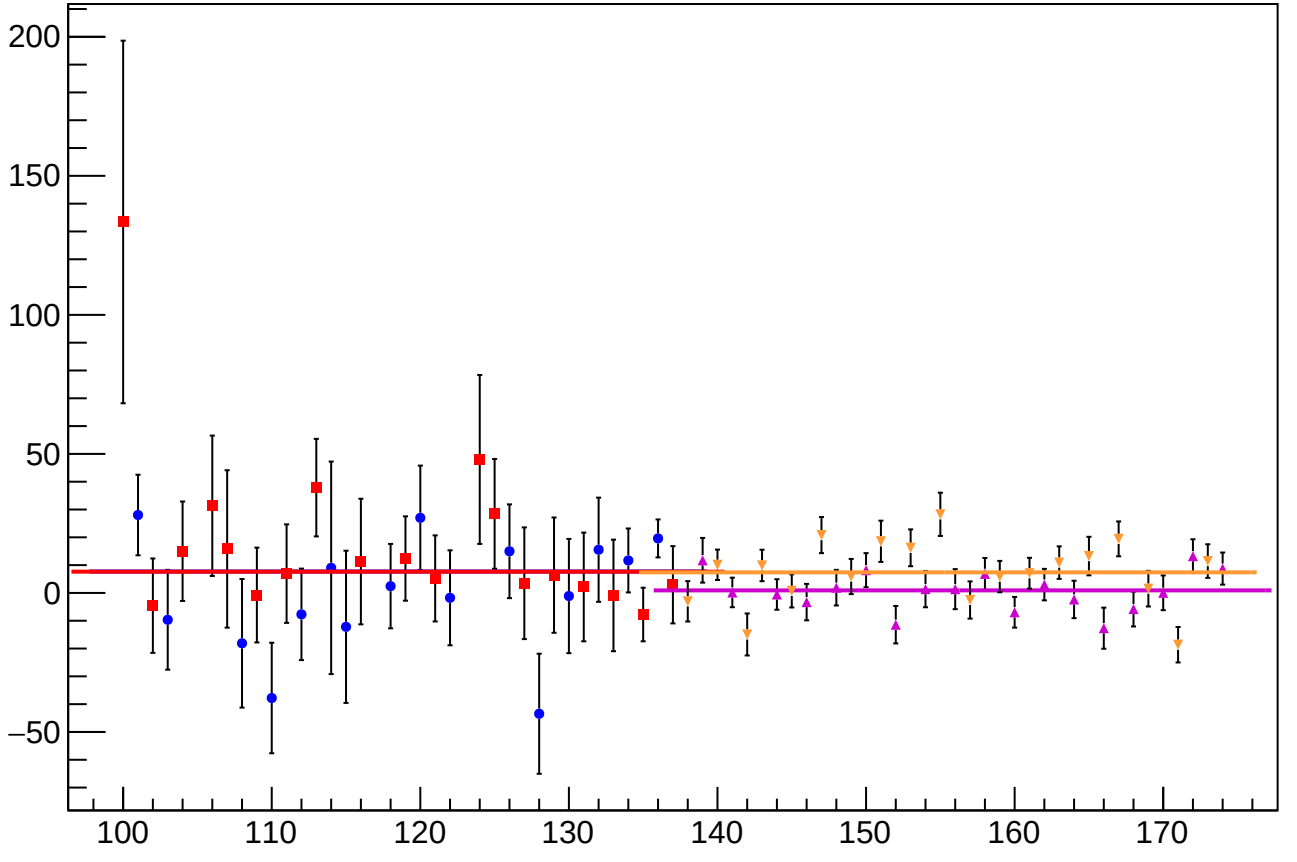
Left In: 4207.653+/-0.824 χ^2/NDF:3018823.7/17

+ sign 4679.983+/-0.739 χ^2/NDF: 3304519.2/34

All: 4497.127+/-0.506 χ^2/NDF: 7956343.4/71

- 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: 7.401+/-1.453 χ^2/NDF:53.1/18

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

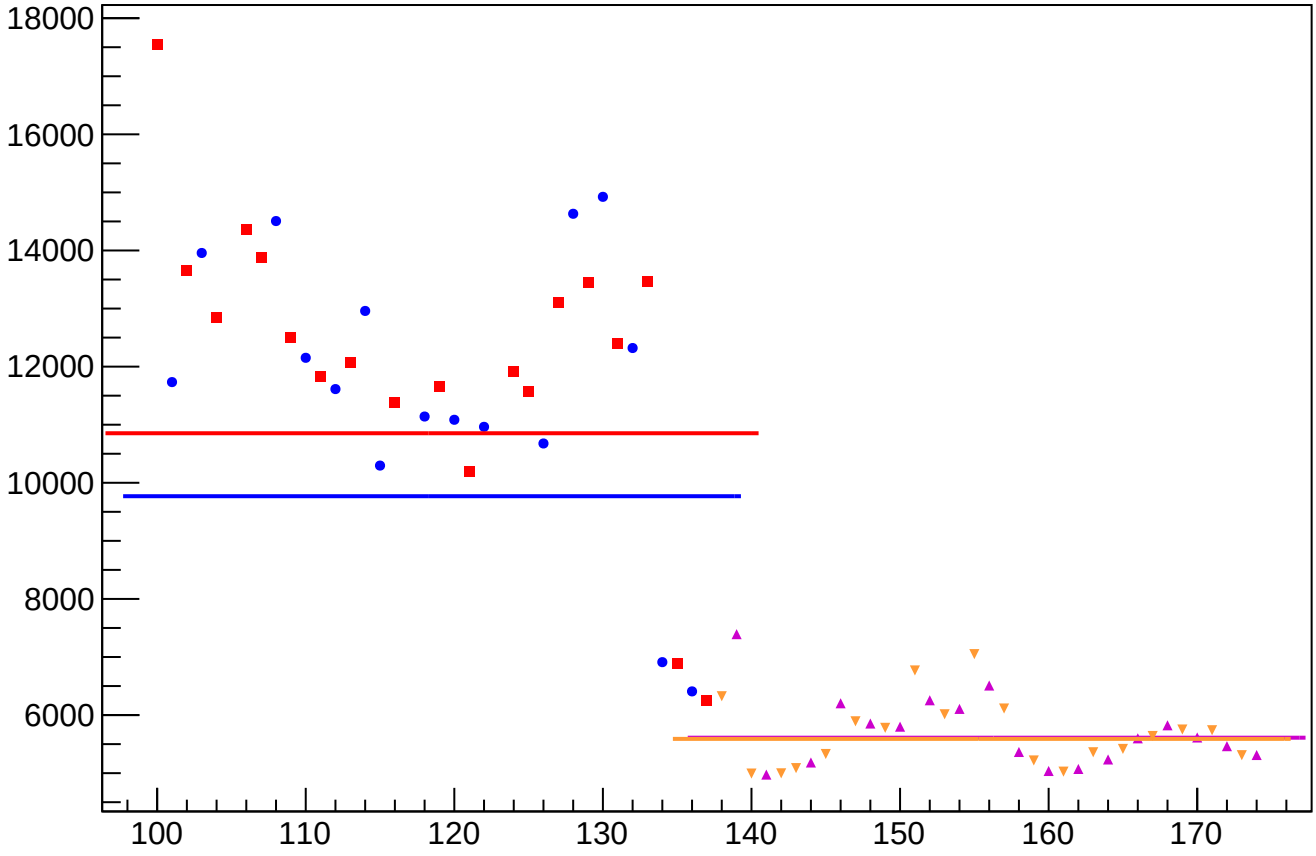
Left In: 0.920+/-1.464 χ^2/NDF:21.1/17

+ sign 7.438+/-1.358 χ^2/NDF: 74.7/34

All: 4.604+/-0.968 χ^2/NDF: 121.6/71

- sign 1.681+/-1.379 χ^2/NDF: 38.1/36

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5590.215+/-1.027 χ^2/NDF:264183.2/18

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

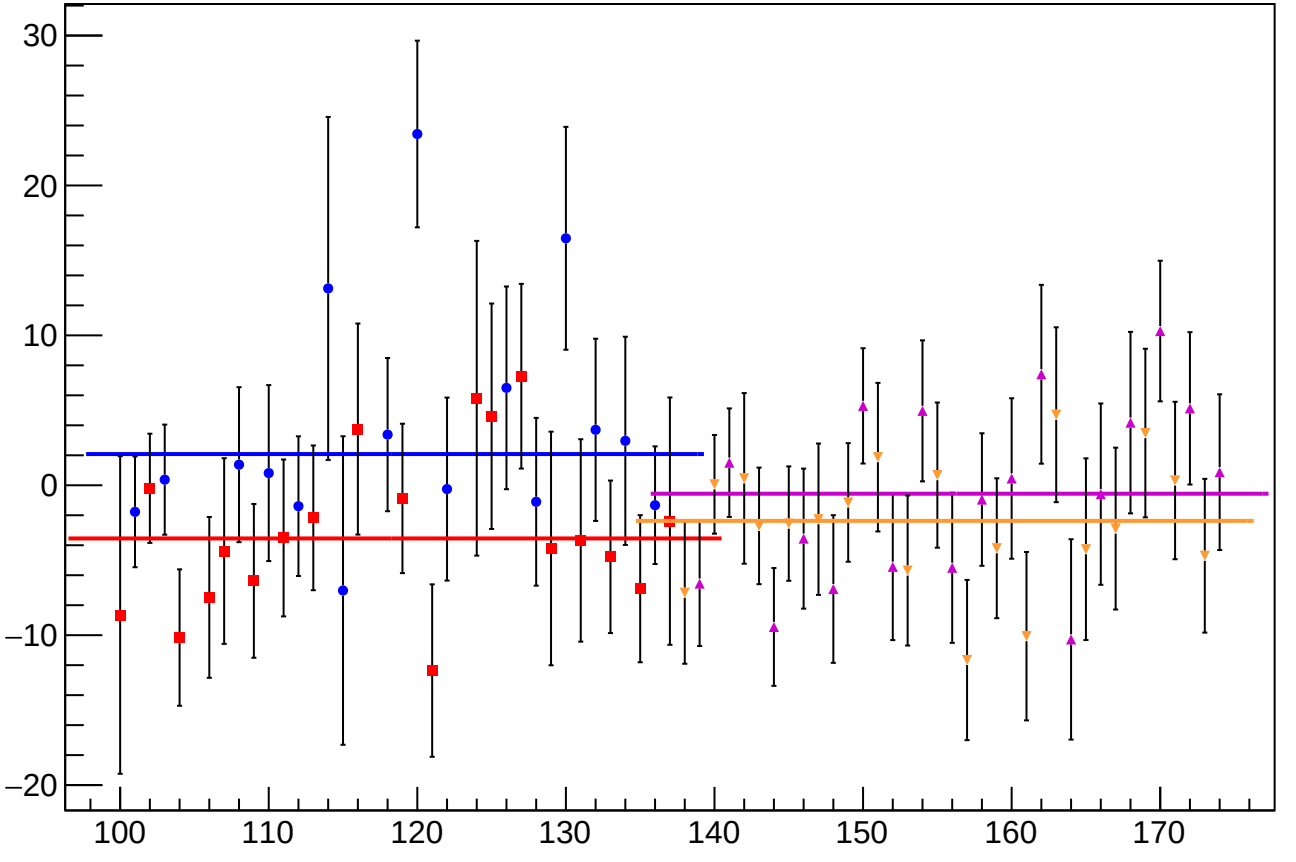
Left In: 5610.610+/-1.035 χ^2/NDF:279550.9/17

+ sign 6118.274+/-0.960 χ^2/NDF: 3568781.2/34

All: 6160.387+/-0.684 χ^2/NDF: 7627631.3/71

- sign 6203.814+/-0.975 χ^2/NDF: 4054942.8/36

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.374+/-1.092 χ^2/NDF:11.7/18

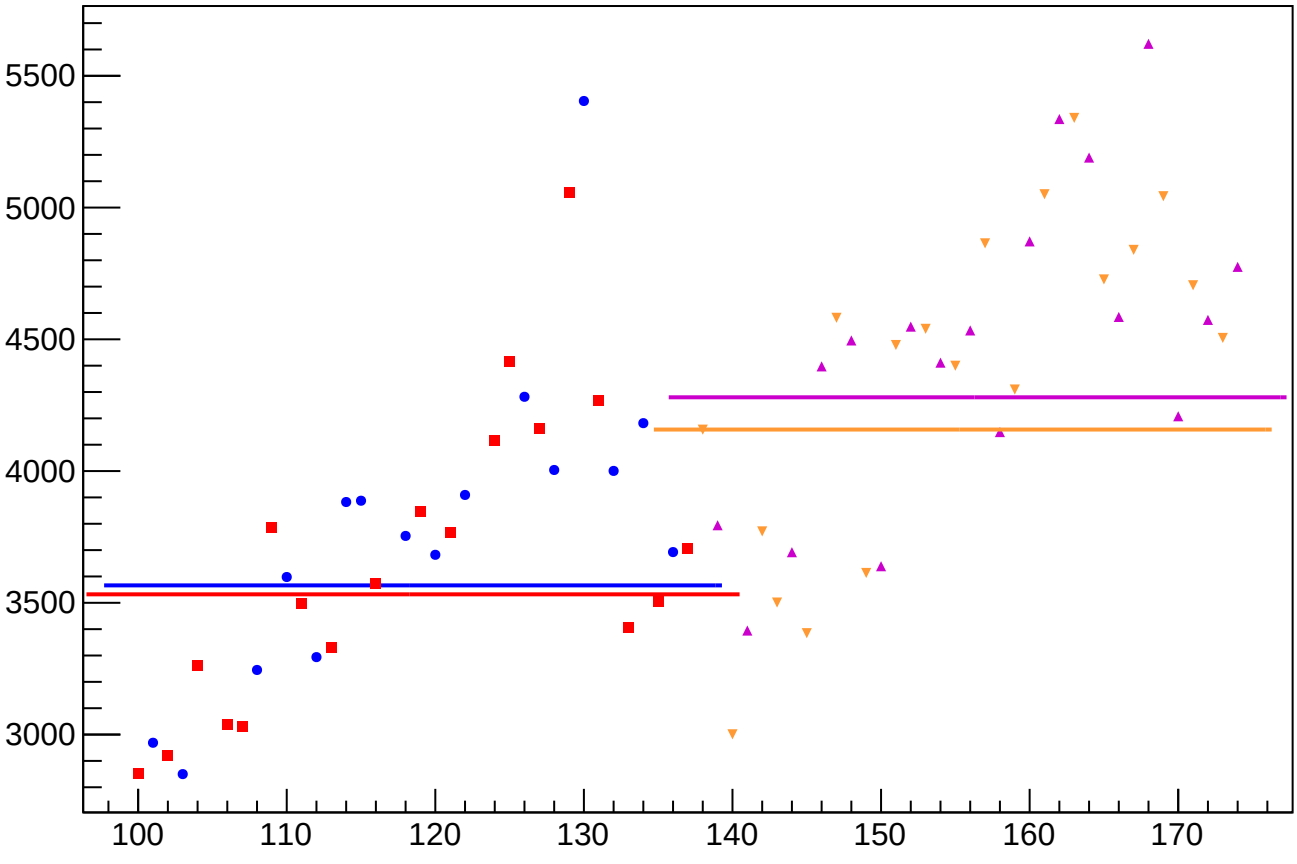
Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: -0.563+/-1.123 χ^2/NDF:26.5/17

+ sign -0.604+/-0.848 χ^2/NDF: 39.2/34

All: -1.216+/-0.601 χ^2/NDF: 83.2/71

- 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: 4157.571+/-0.772 χ^2/NDF:772371.2/18

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

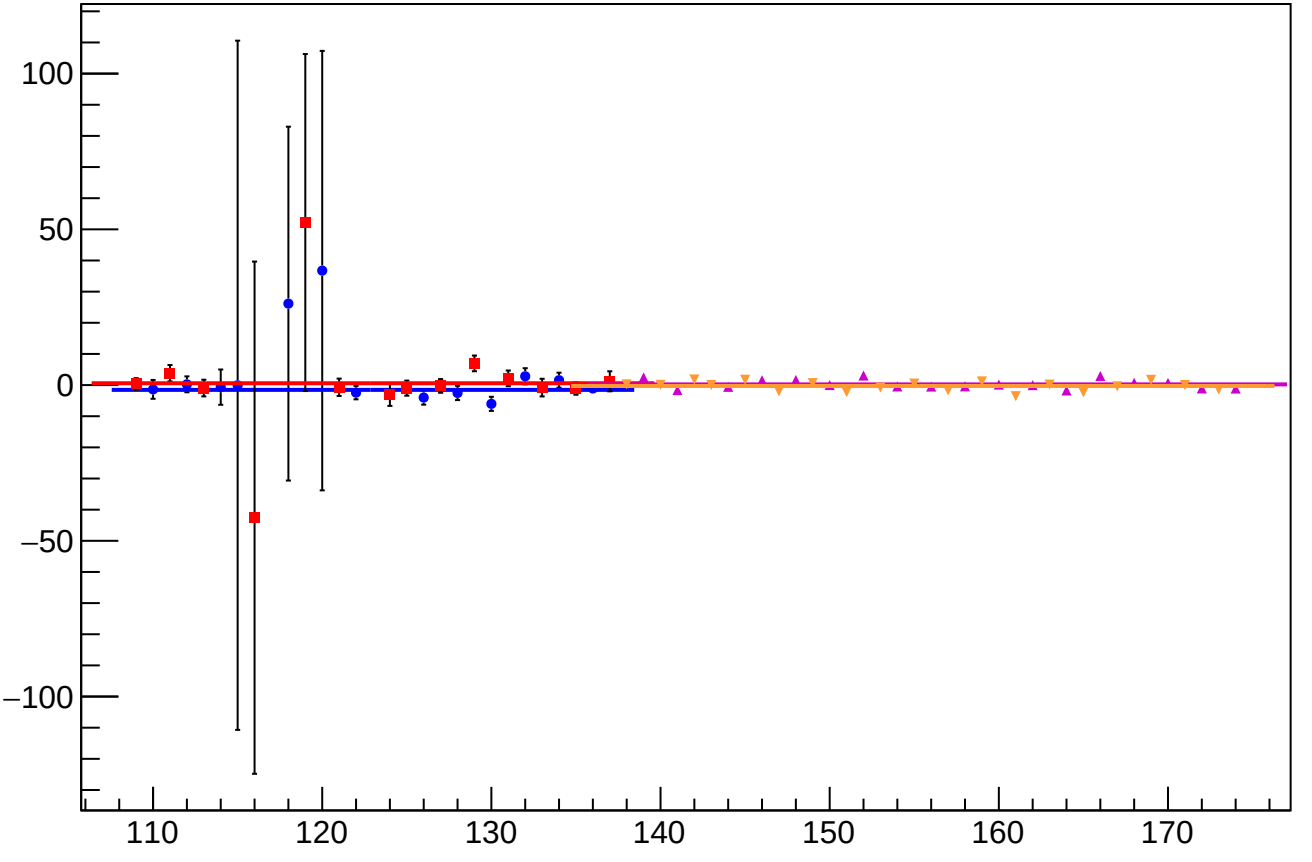
Left In: 4279.966+/-0.794 χ^2/NDF:519543.9/17

+ sign 3922.647+/-0.600 χ^2/NDF: 1346465.8/34

All: 3942.013+/-0.425 χ^2/NDF: 2524305.0/71

- 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: -0.296+/-0.264 χ^2/NDF:30.3/18

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

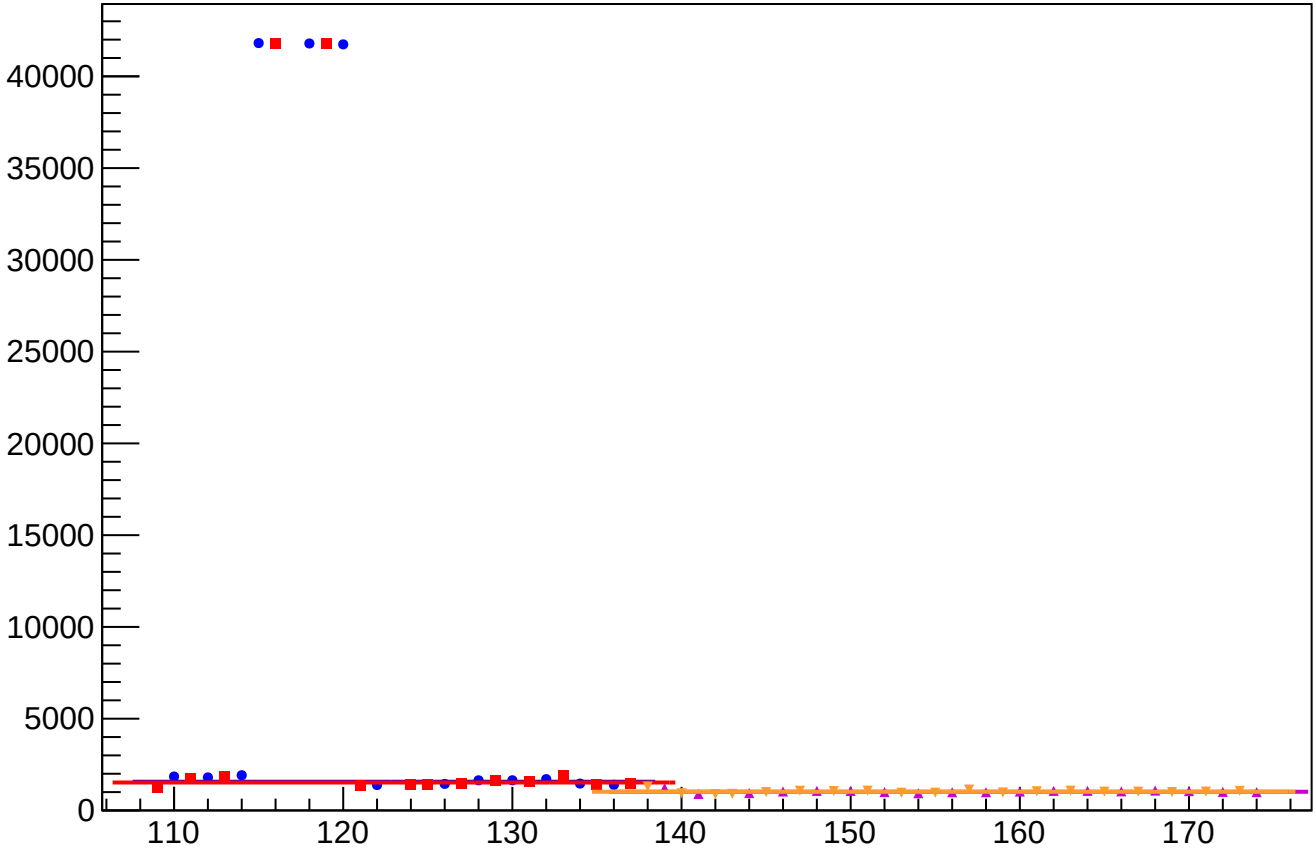
Left In: 0.220+/-0.265 χ^2/NDF:27.2/17

+ sign -0.438+/-0.248 χ^2/NDF: 43.9/31

All: -0.088+/-0.176 χ^2/NDF: 88.0/63

- 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: 1018.118+/-0.187 χ^2/NDF:181321.2/18

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

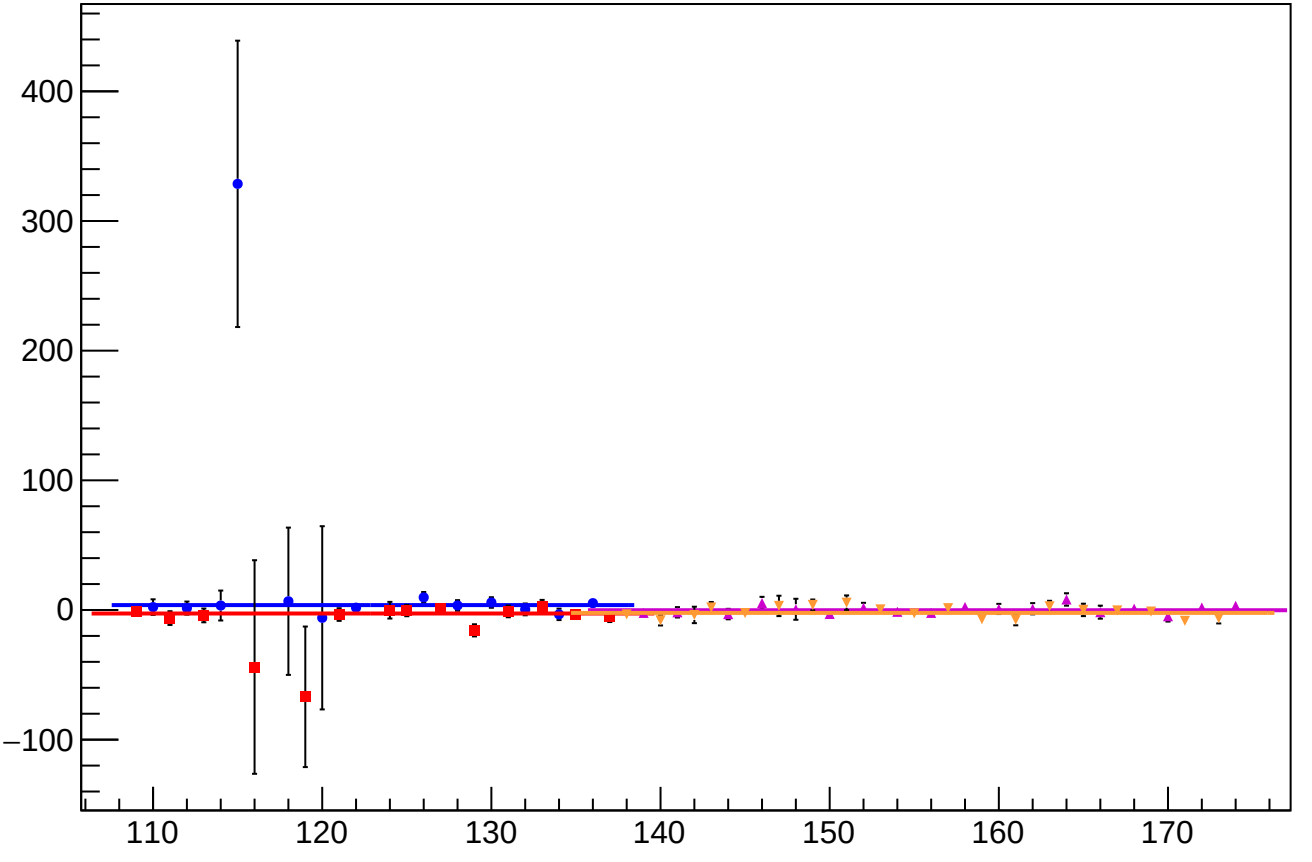
Left In: 1018.889+/-0.188 χ^2/NDF:124627.1/17

+ sign 1080.861+/-0.176 χ^2/NDF: 3181987.6/31

All: 1080.241+/-0.124 χ^2/NDF: 5918116.5/63

- 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: -2.243+/-0.884 χ^2/NDF:18.2/18

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

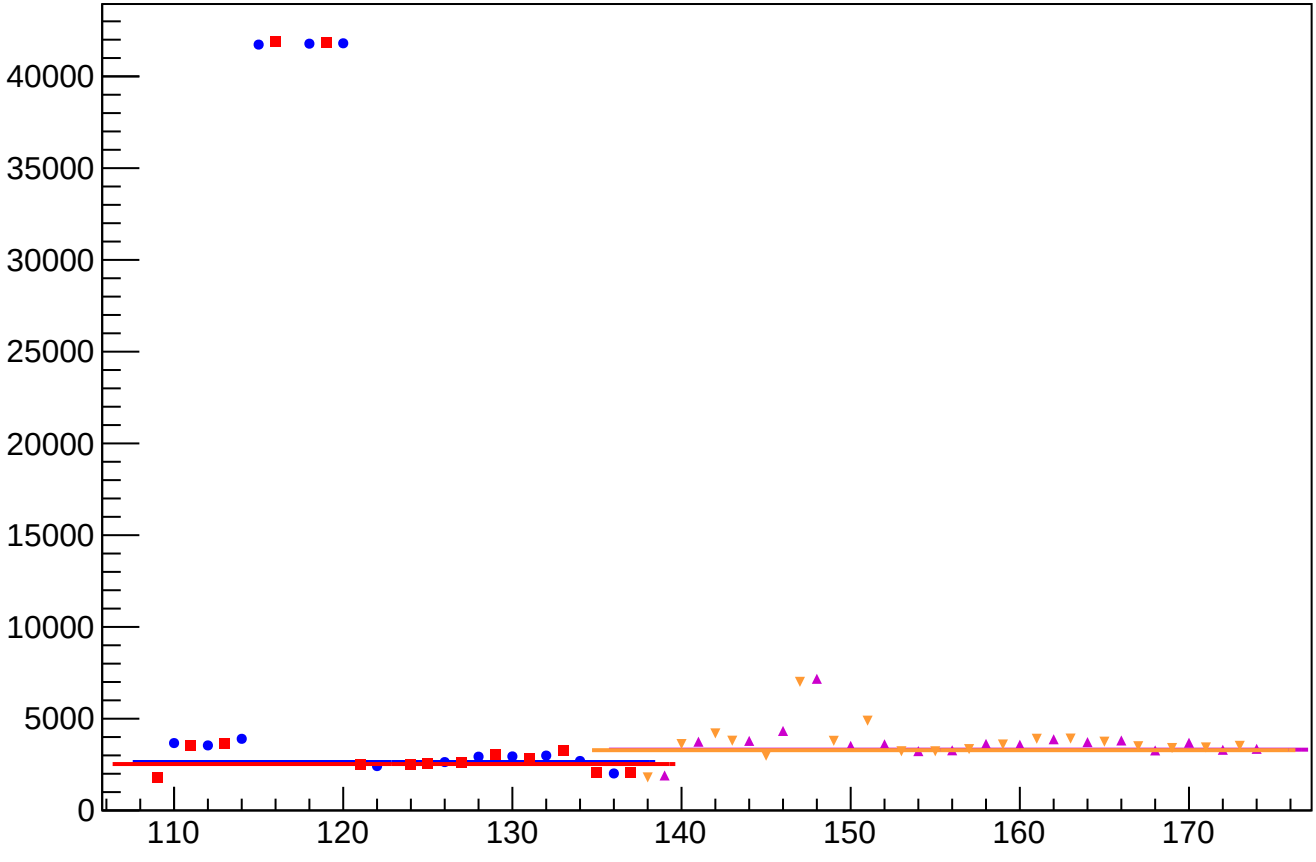
Left In: -0.185+/-0.892 χ^2/NDF:10.5/17

+ sign -0.232+/-0.722 χ^2/NDF: 48.8/31

All: -0.654+/-0.509 χ^2/NDF: 76.4/63

- 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: 3284.366+/-0.625 χ^2/NDF:1880675.5/18

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

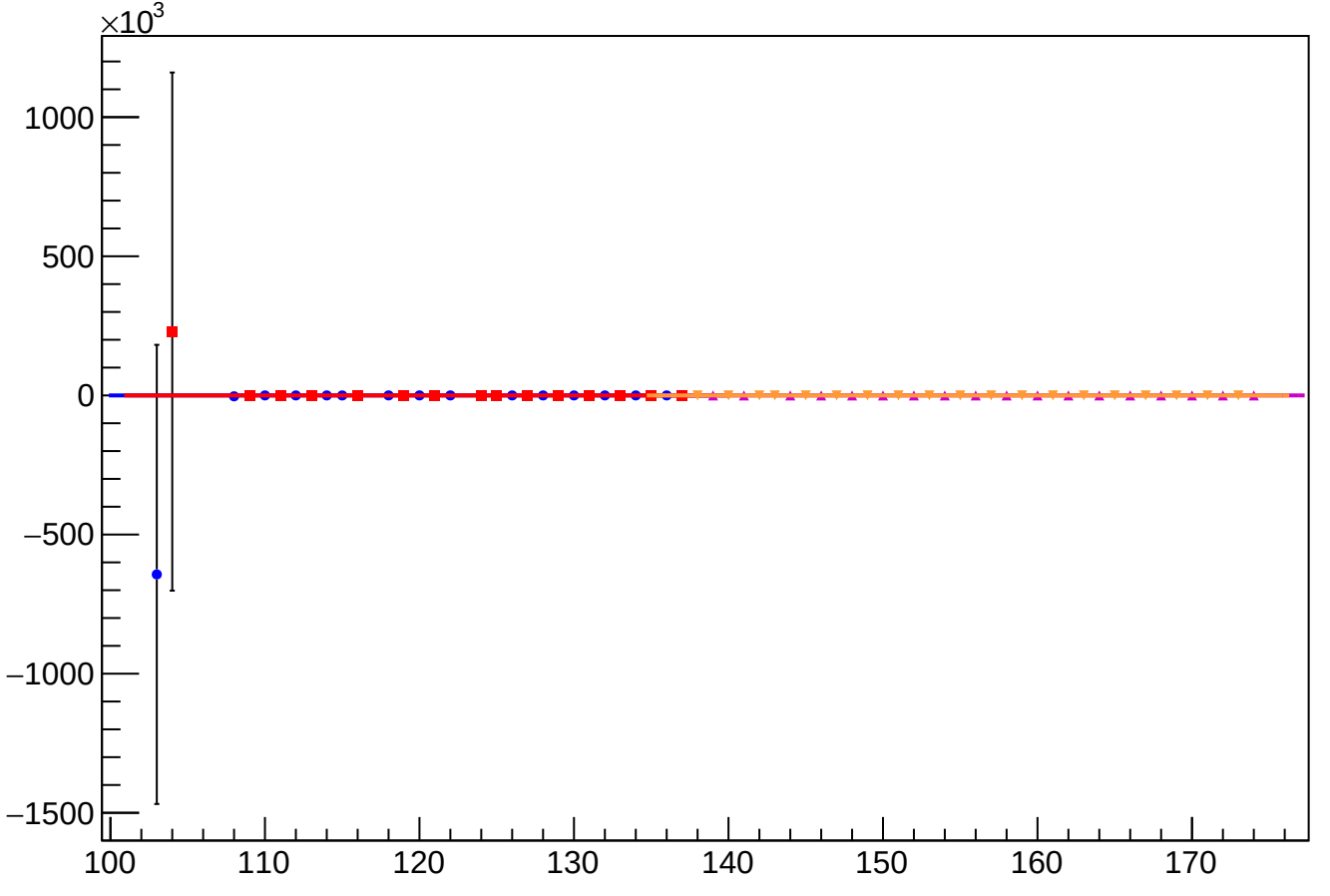
Left In: 3312.395+/-0.630 χ^2/NDF:1608645.2/17

+ sign 3069.054+/-0.510 χ^2/NDF: 4408974.6/31

All: 3052.961+/-0.360 χ^2/NDF: 8512328.4/63

- 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: -1.886+/-0.412 χ^2/NDF:43.4/18

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

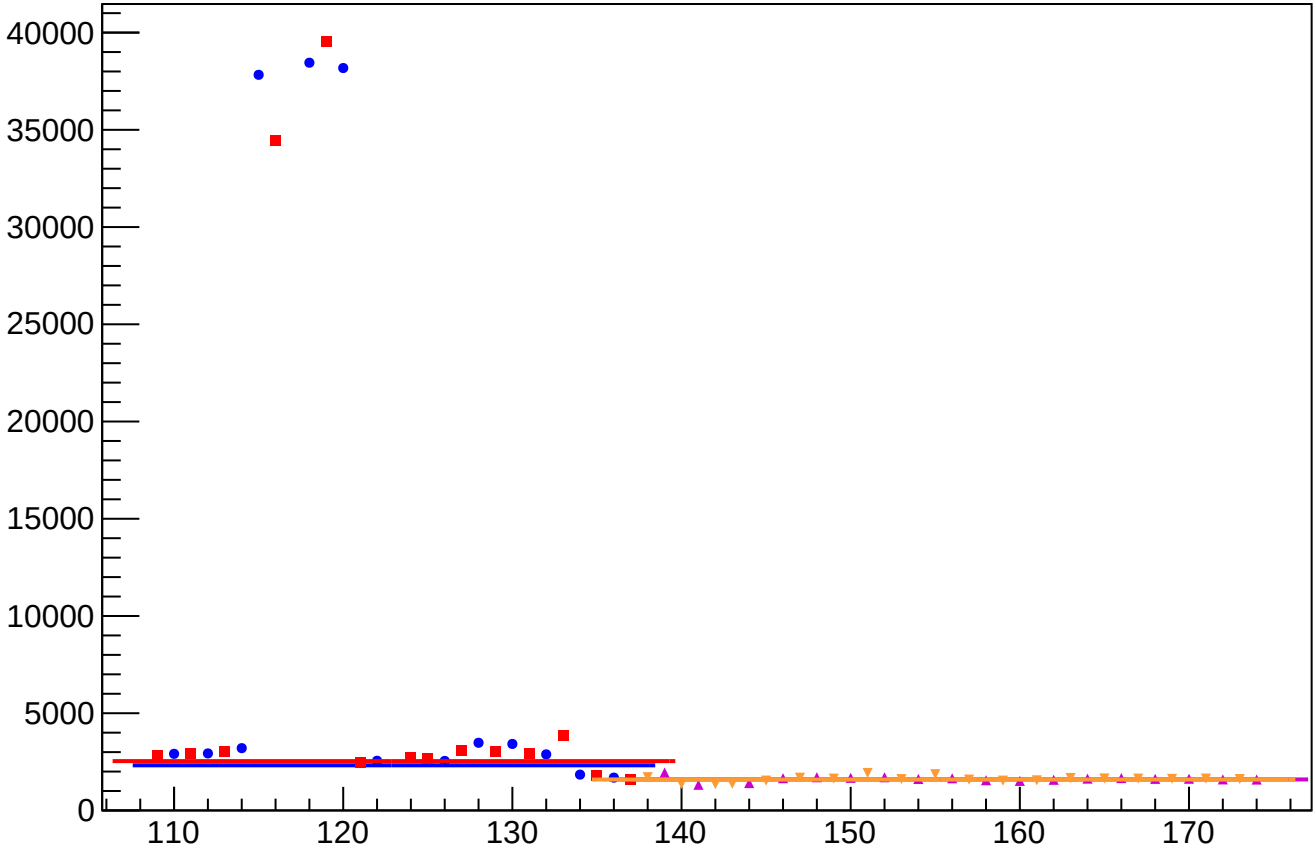
Left In: -0.100+/-0.416 χ^2/NDF:22.0/17

+ sign -1.806+/-0.387 χ^2/NDF: 62.5/33

All: -1.099+/-0.276 χ^2/NDF: 109.7/66

- 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: 1588.634+/-0.292 χ^2/NDF:230419.5/18

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

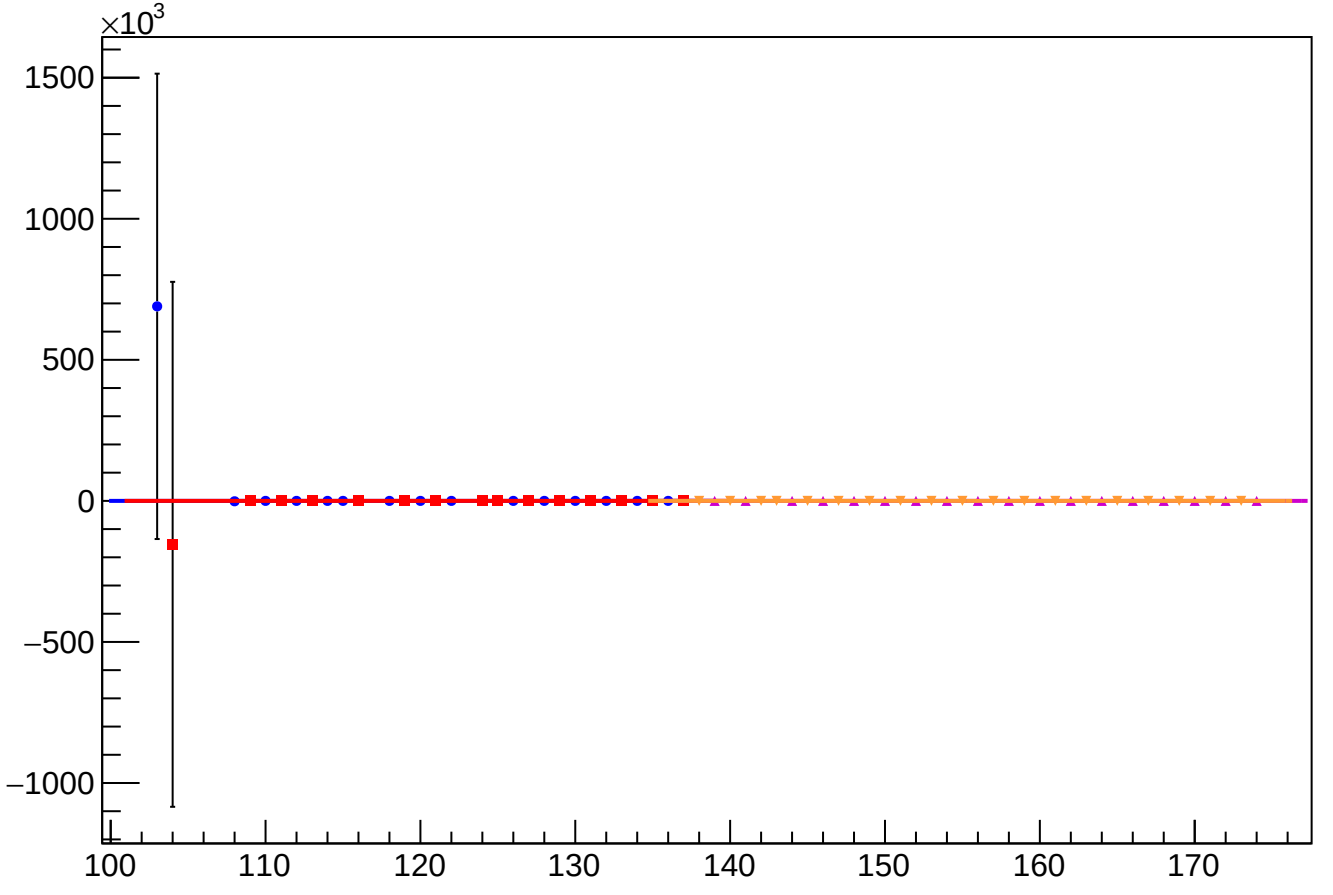
Left In: 1594.573+/-0.294 χ^2/NDF:196065.1/17

+ sign 1675.256+/-0.274 χ^2/NDF: 3437628.0/31

All: 1684.457+/-0.195 χ^2/NDF: 6758945.4/63

- 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: -1.122+/-0.571 χ^2/NDF:21.3/18

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

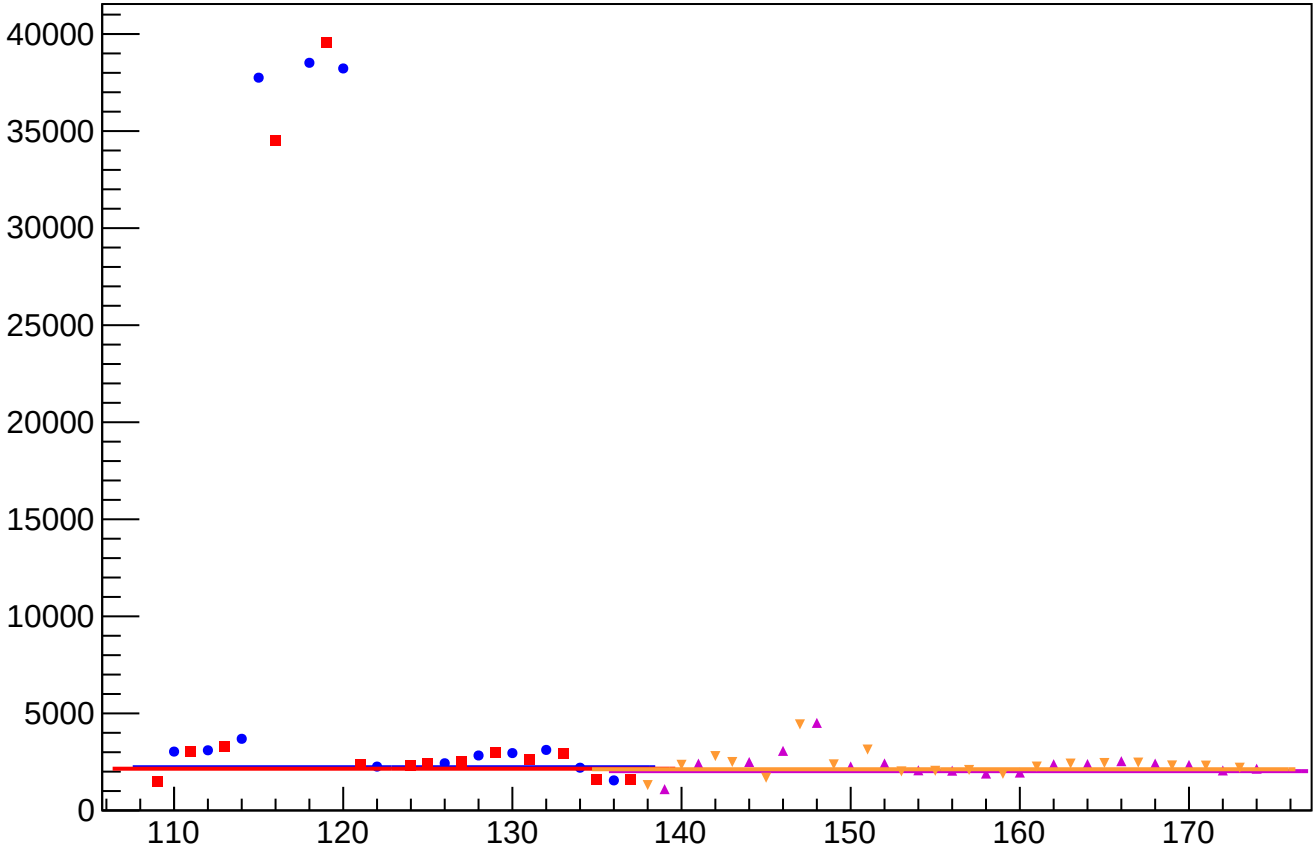
Left In: 0.117+/-0.552 χ^2/NDF:13.4/17

+ sign -0.500+/-0.505 χ^2/NDF: 31.7/33

All: -0.406+/-0.351 χ^2/NDF: 63.4/66

- 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: 2123.414+/-0.404 χ^2/NDF:1467689.0/18

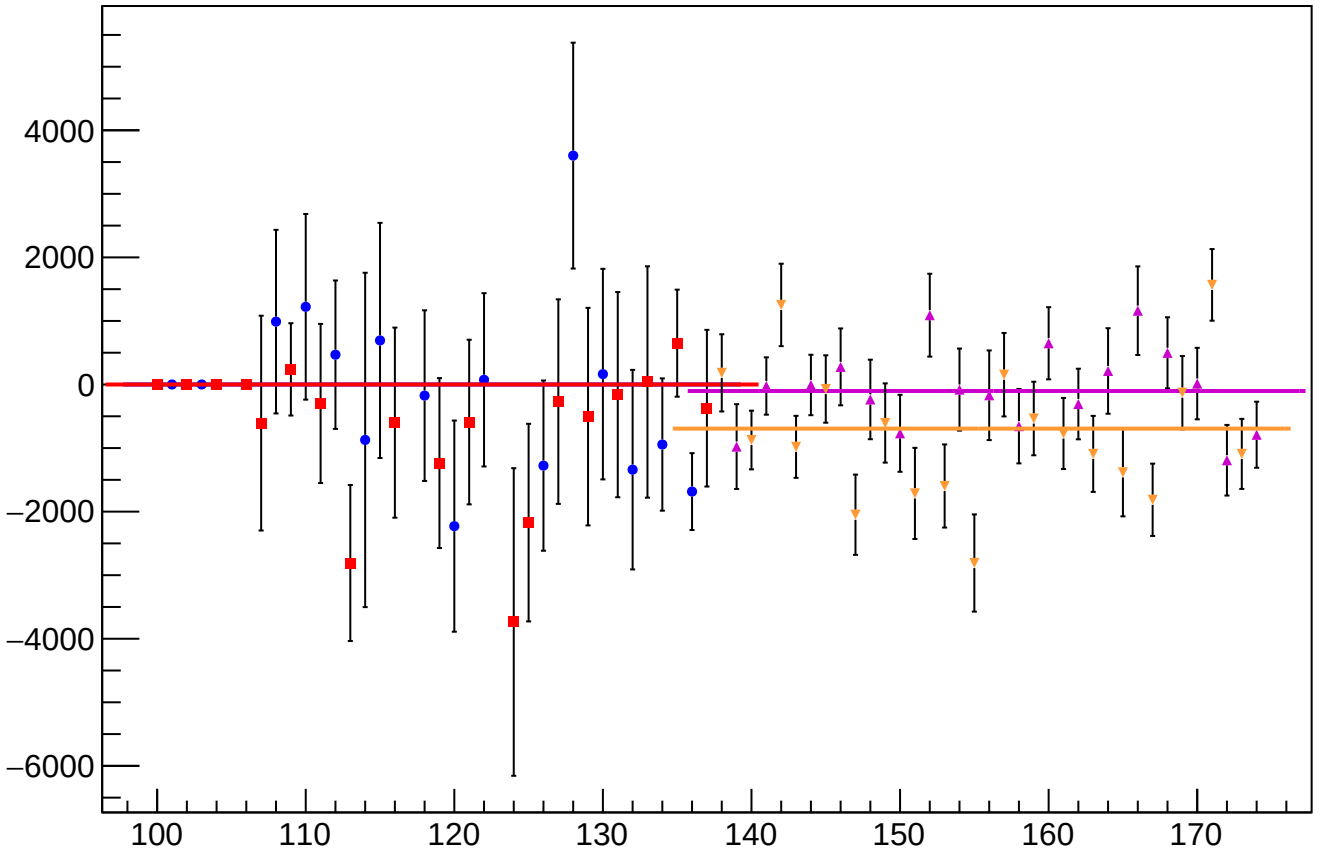
Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 2024.792+/-0.390 χ^2/NDF:2250314.9/17

+ sign 2146.171+/-0.357 χ^2/NDF: 4004410.9/31

All: 2097.605+/-0.248 χ^2/NDF: 8544475.8/63

- sign 2052.027+/-0.346 χ^2/NDF: 4504157.6/31



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -693.934+/-135.416 χ^2/NDF:53.8/18

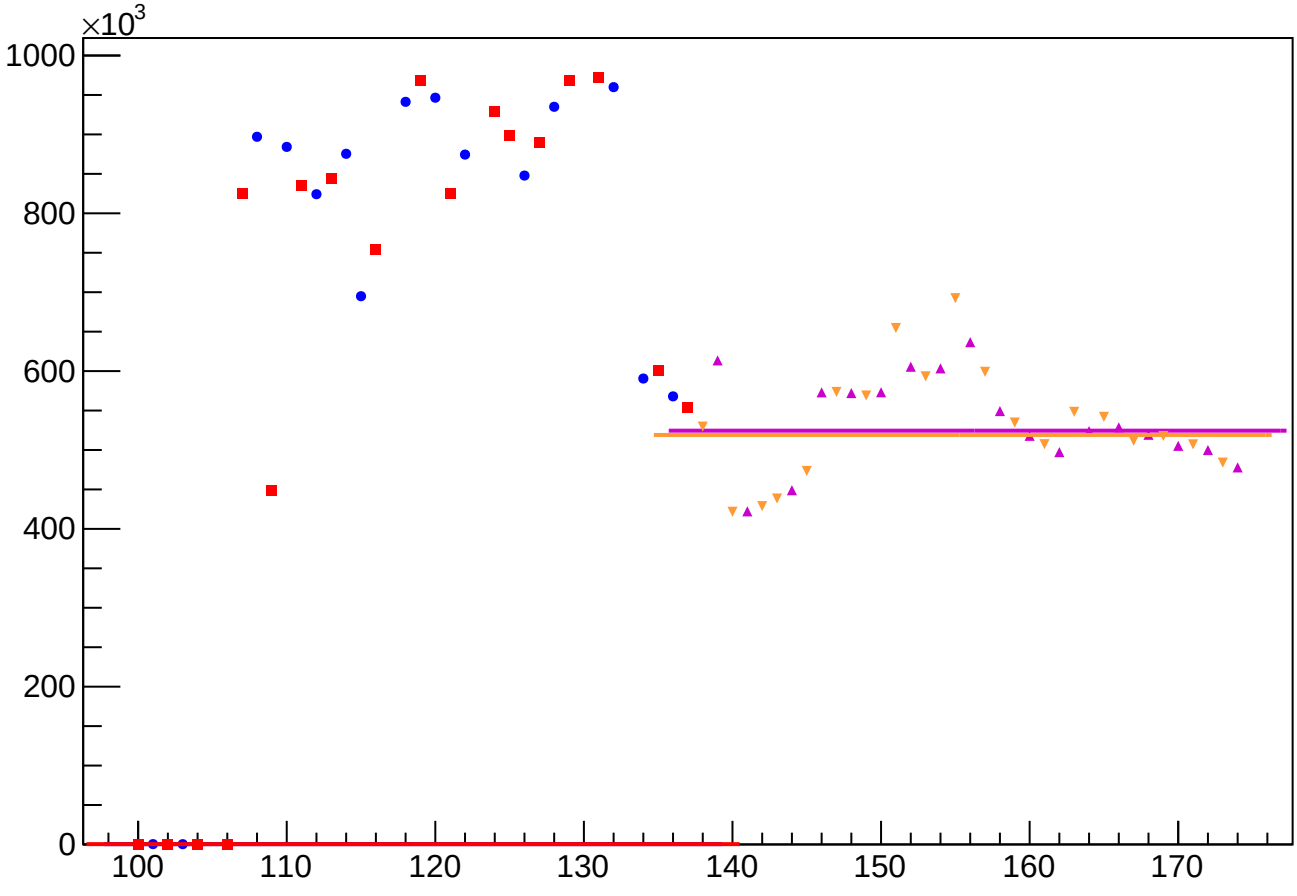
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -101.868+/-137.112 χ^2/NDF:19.9/17

+ sign 0.251+/-0.356 χ^2/NDF: 97.8/34

All: 0.167+/-0.241 χ^2/NDF: 133.8/71

- 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: 519061.282+/-95.753 χ^2/NDF:473933.7/18

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

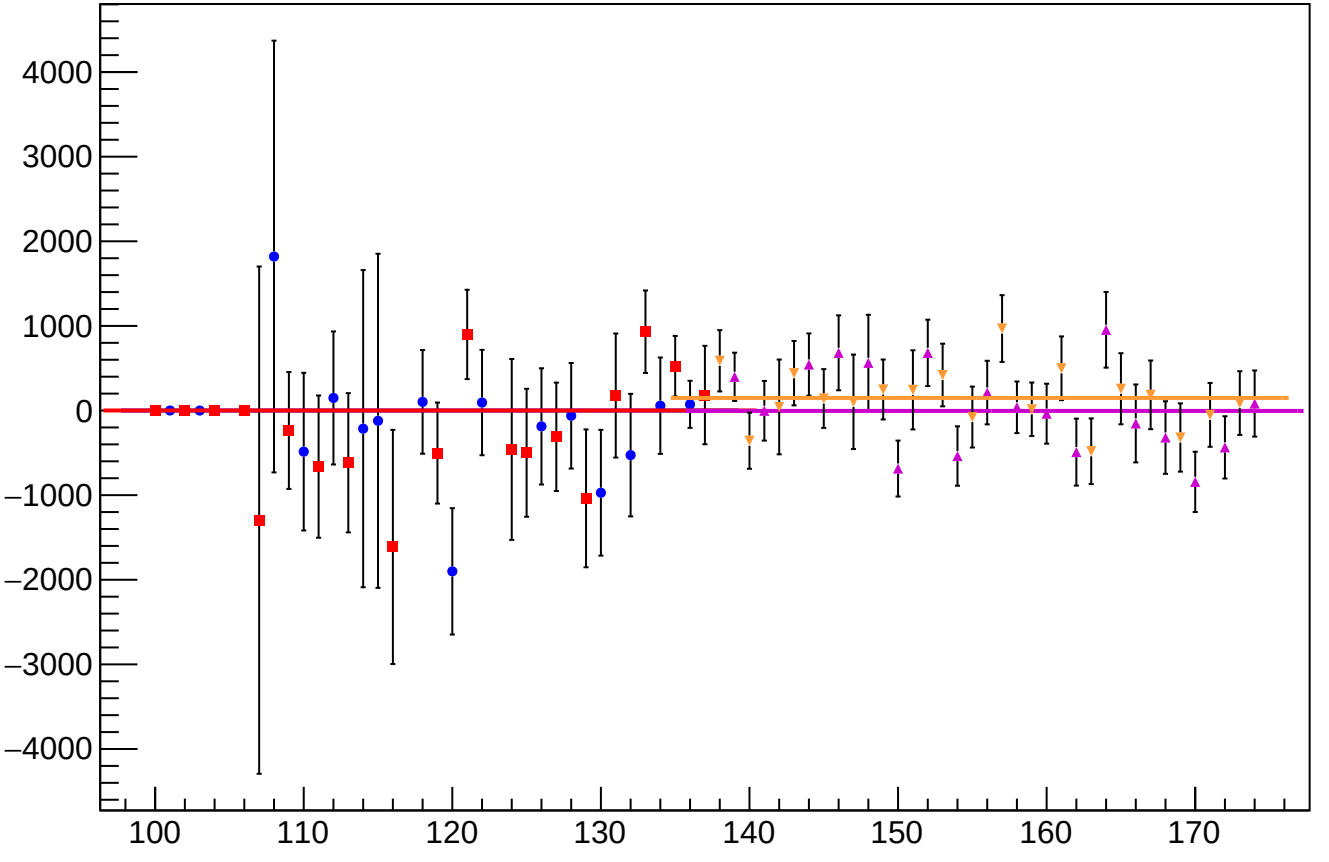
Left In: 524480.149+/-96.953 χ^2/NDF:368795.7/17

+ sign 402.459+/-0.251 χ^2/NDF: 38305602.4/33

All: 399.093+/-0.170 χ^2/NDF: 75543676.7/69

- 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: 149.140+/-88.399 χ^2/NDF:15.2/18

Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

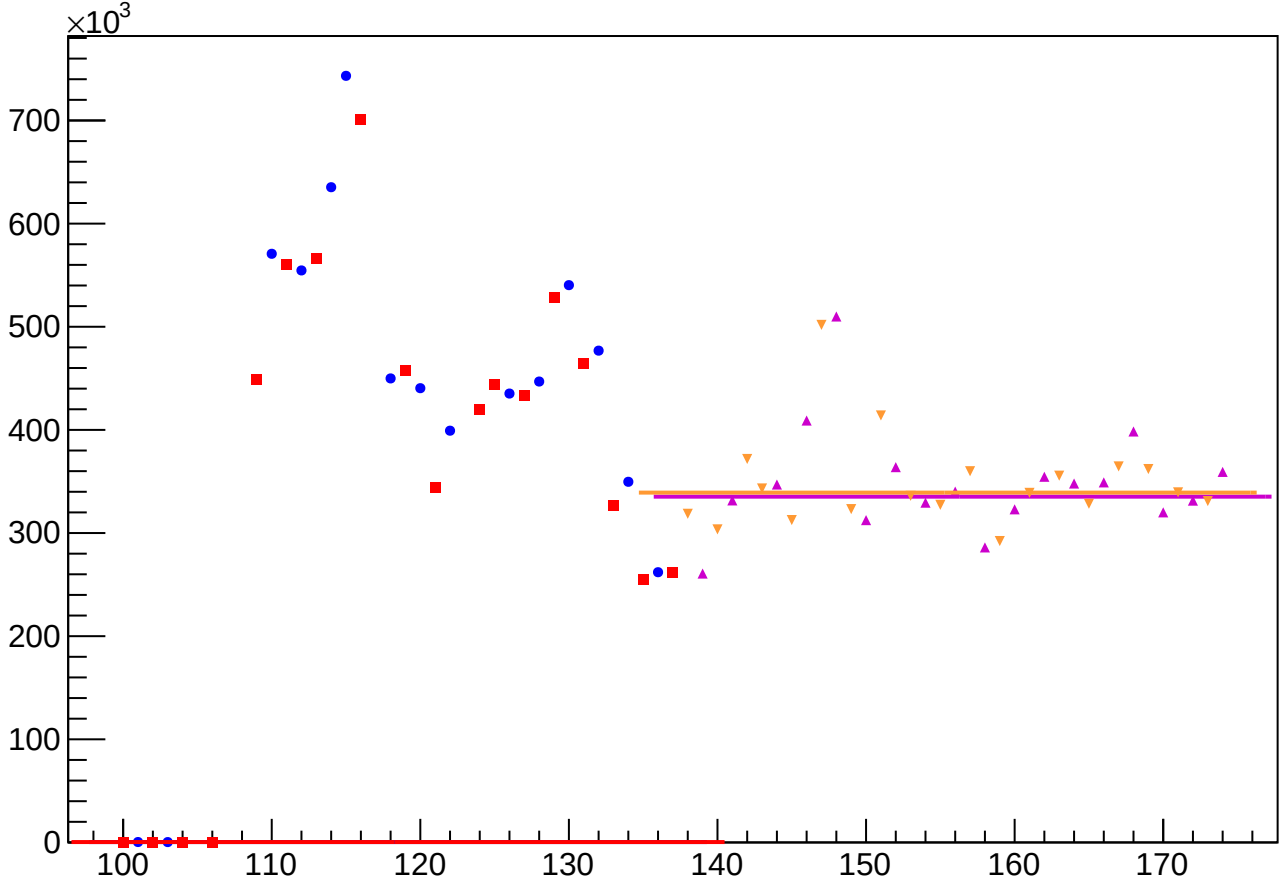
Left In: -4.562+/-88.081 χ^2/NDF:31.3/17

+ sign -0.018+/-0.347 χ^2/NDF: 28.5/34

All: 0.312+/-0.237 χ^2/NDF: 76.5/71

- 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: 339204.112+/-62.508 χ^2/NDF:345359.6/18

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

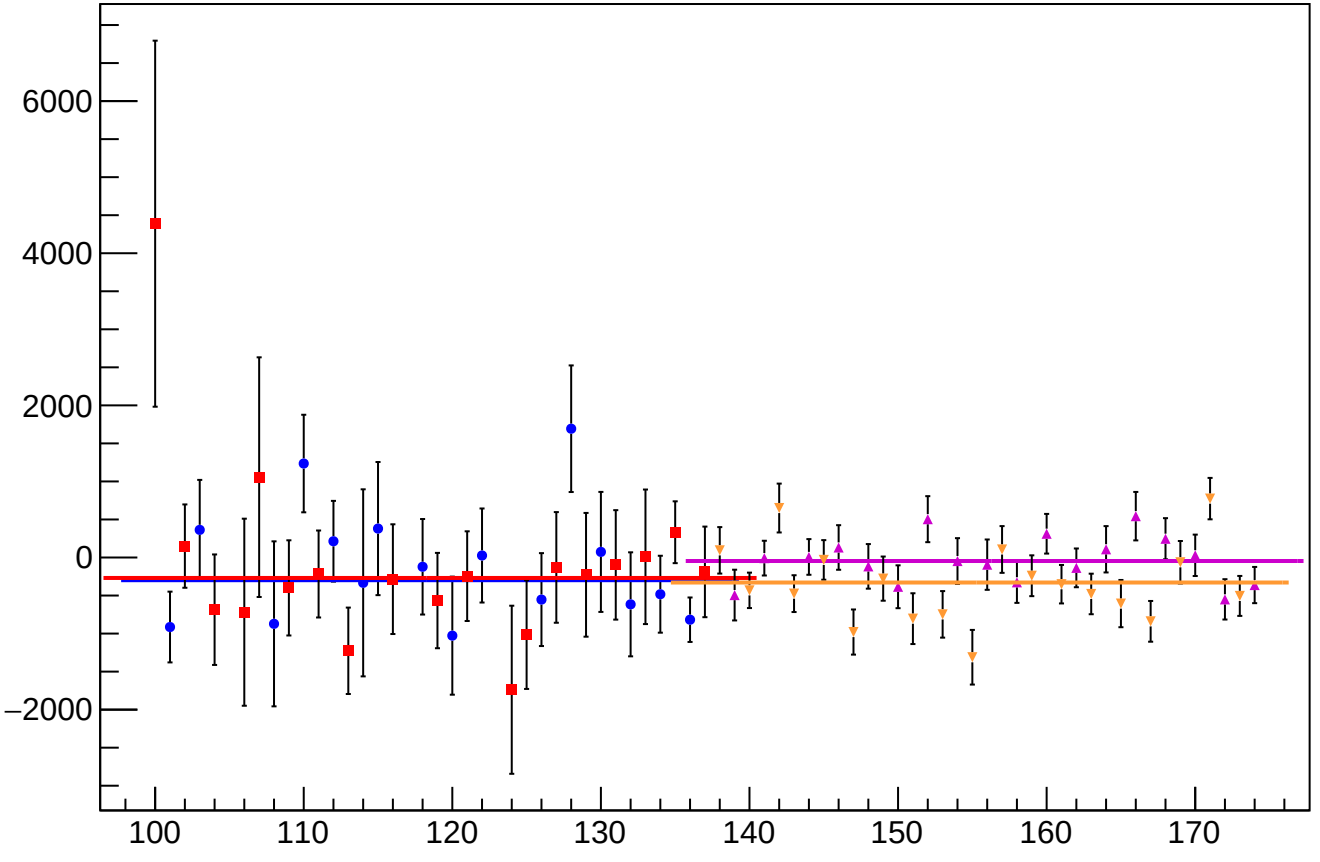
Left In: 335275.269+/-62.286 χ^2/NDF:522360.4/17

+ sign 395.500+/-0.245 χ^2/NDF: 40857331.0/33

All: 393.901+/-0.167 χ^2/NDF: 81361323.8/69

- 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: -328.796+/-64.465 χ^2/NDF:53.9/18

Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

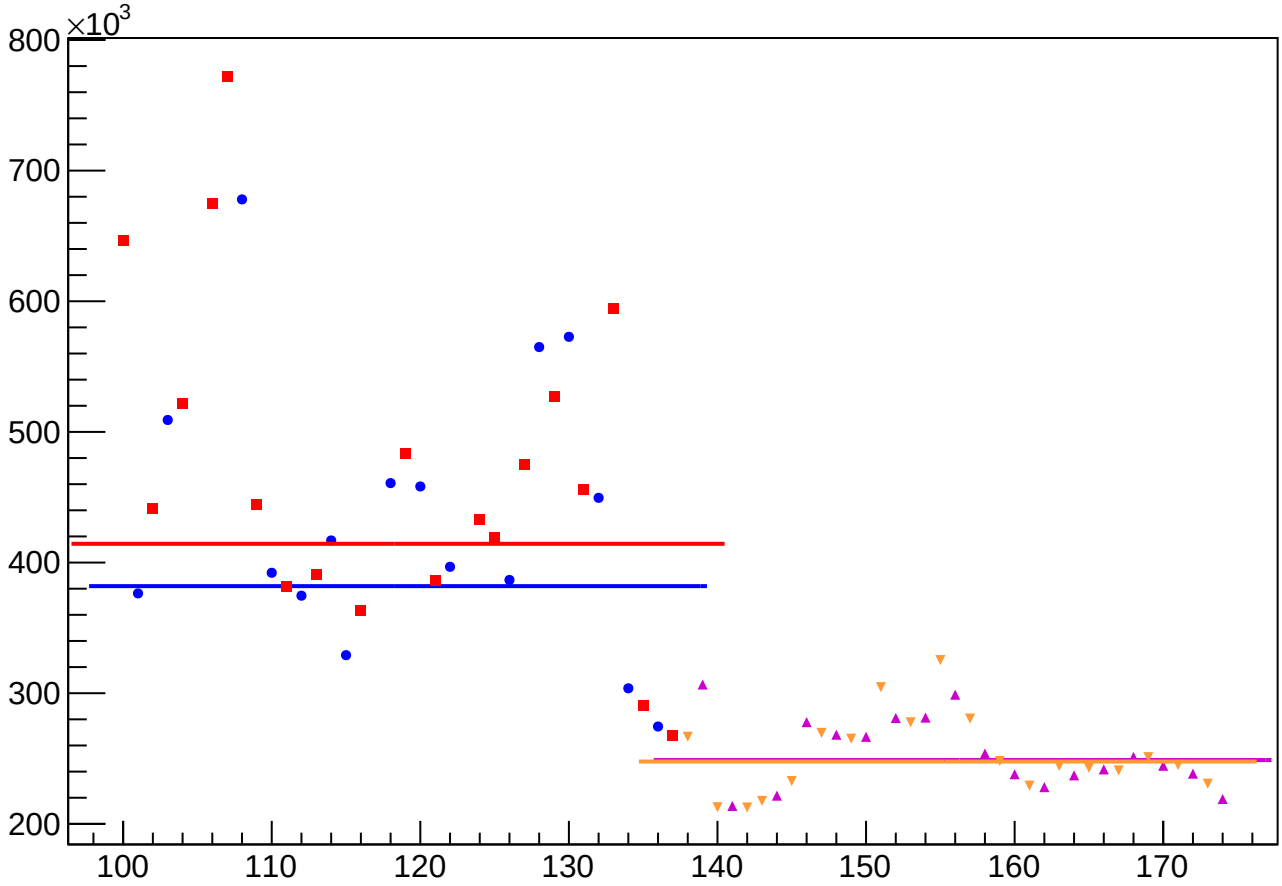
Left In: -45.972+/-64.984 χ^2/NDF:20.5/17

+ sign -323.892+/-59.061 χ^2/NDF: 75.1/34

All: -203.284+/-42.098 χ^2/NDF: 119.7/71

- sign -78.726+/-60.021 χ^2/NDF: 36.1/36

diff_cav4cX_rms vs Slug



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 247720.439+/-45.584 χ^2/NDF:347888.0/18

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

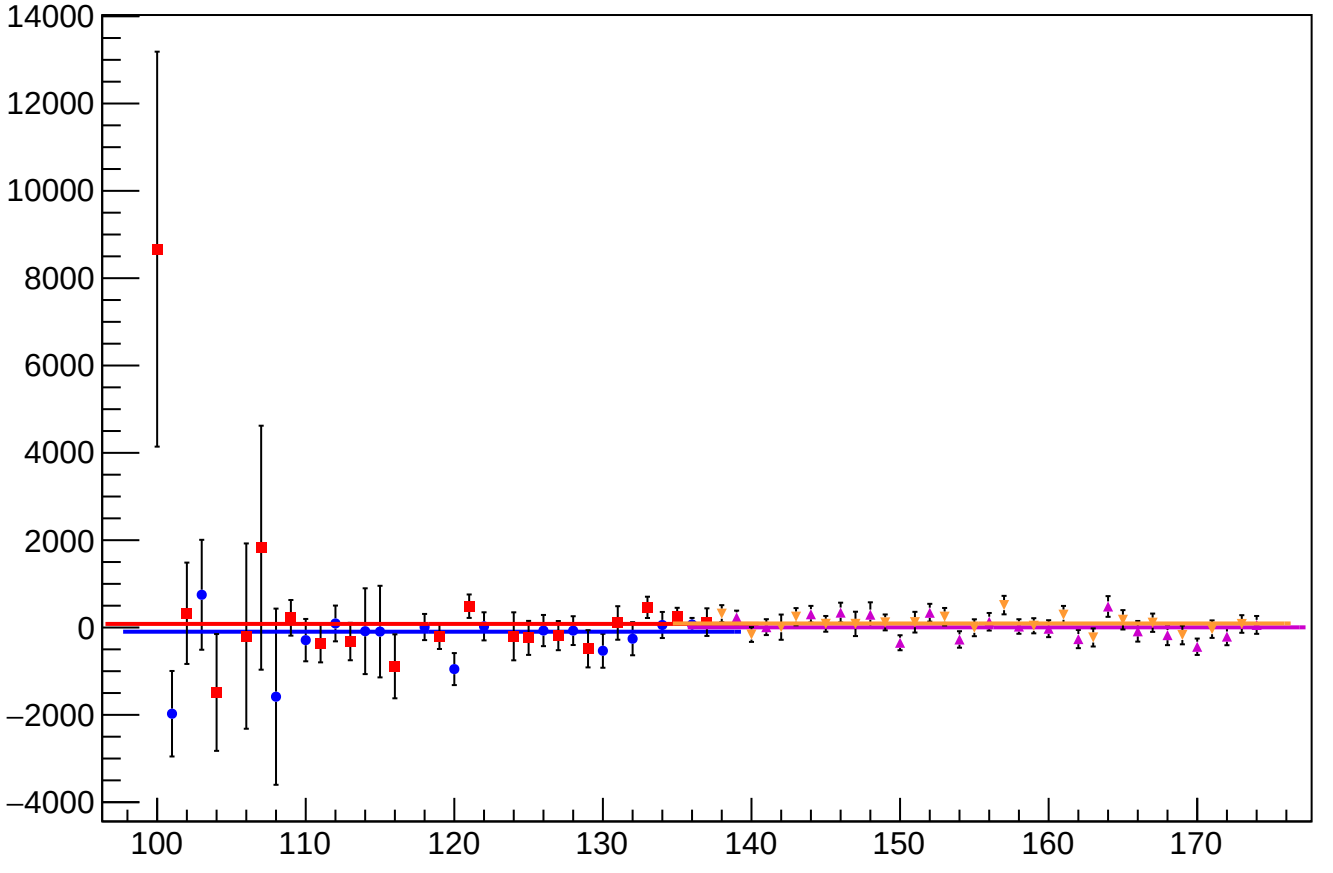
Left In: 248852.790+/-45.951 χ^2/NDF:319016.7/17

+ sign 269275.761+/-41.764 χ^2/NDF: 2576905.7/34

All: 271188.156+/-29.769 χ^2/NDF: 5566035.

- 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: 93.060+/-46.638 χ^2/NDF:14.6/18

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

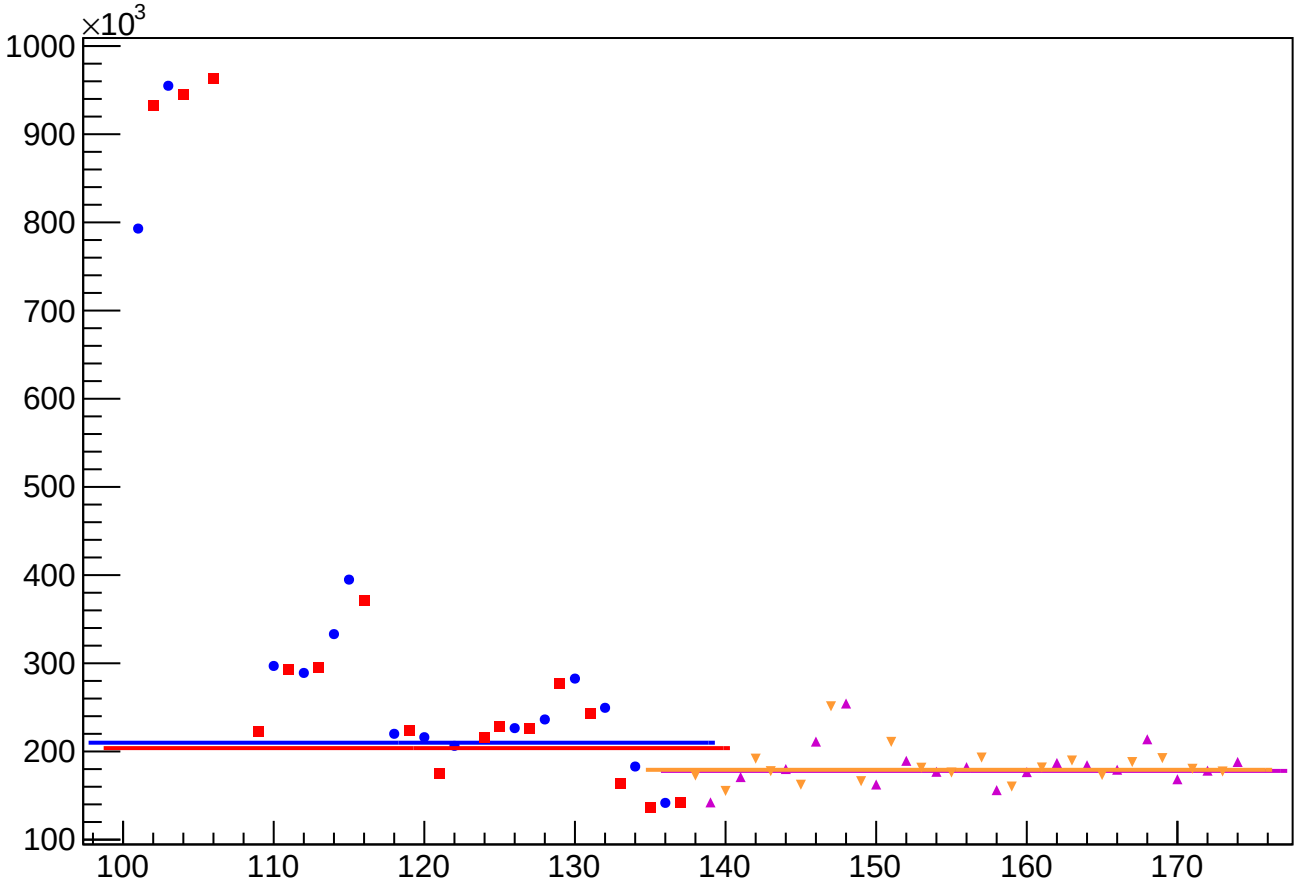
Left In: 4.157+/-46.639 χ^2/NDF:30.7/17

+ sign 51.831+/-41.236 χ^2/NDF: 31.9/34

All: 36.681+/-29.124 χ^2/NDF: 82.6/71

- 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: 179193.939+/-32.978 χ^2/NDF:294406.0/18

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

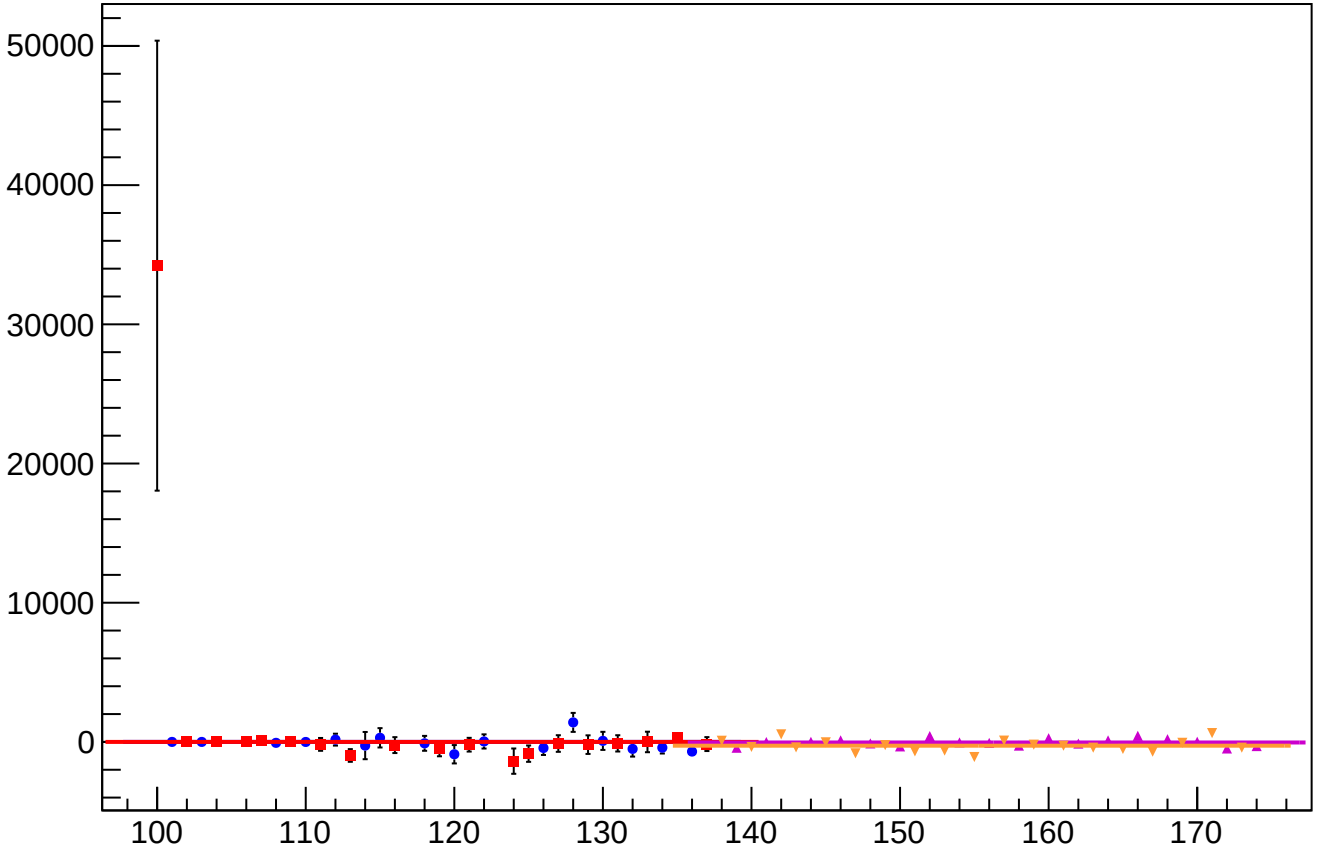
Left In: 177955.897+/-32.979 χ^2/NDF:419005.7/17

+ sign 185883.597+/-29.169 χ^2/NDF: 2443361.8/33

All: 184773.961+/-20.603 χ^2/NDF: 5071459.

- 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: -271.648+/-53.872 χ^2/NDF:53.7/18

Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

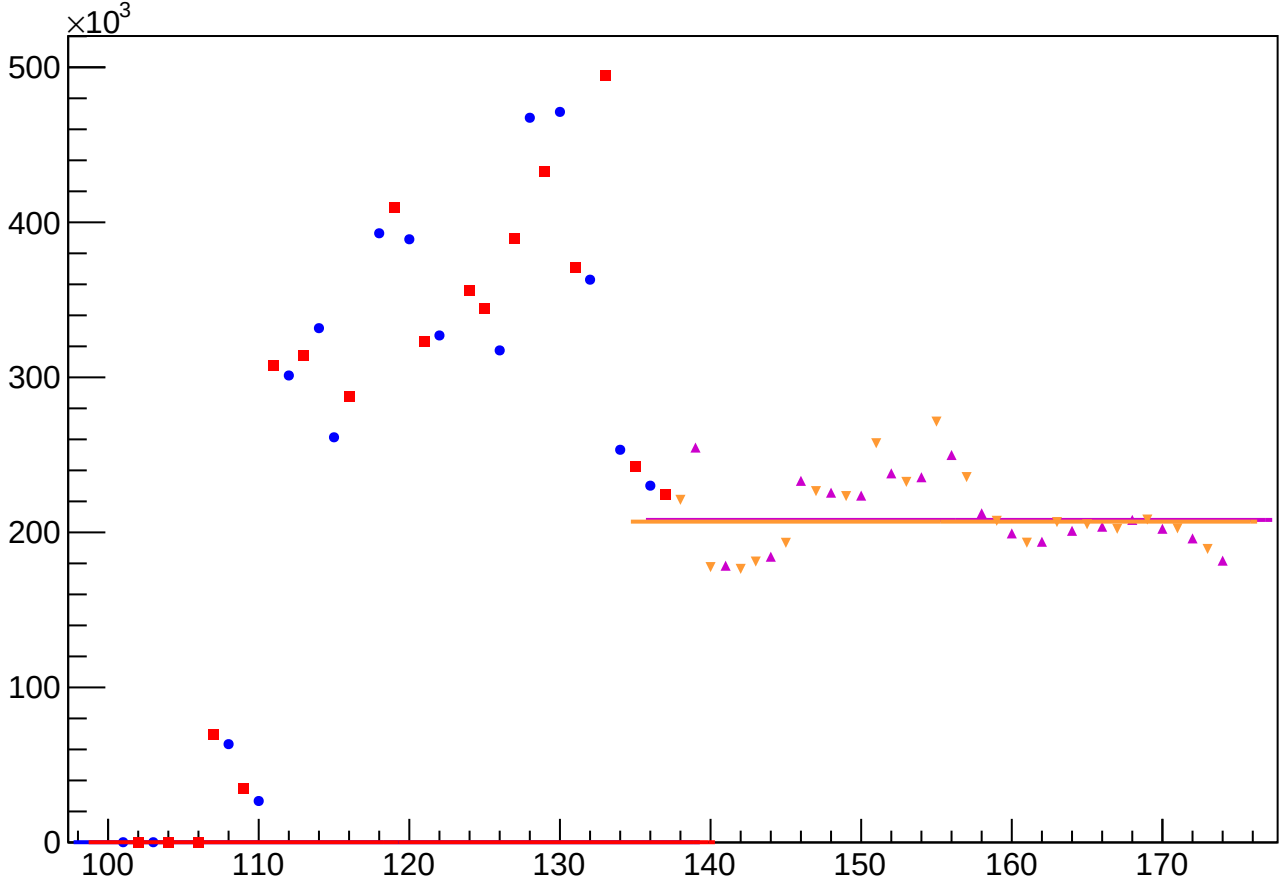
Left In: -41.162+/-54.337 χ^2/NDF:20.5/17

+ sign -0.038+/-0.172 χ^2/NDF: 97.3/34

All: -0.208+/-0.117 χ^2/NDF: 136.7/71

- sign -0.355+/-0.160 χ^2/NDF: 37.6/36

diff_cav4dX_rms vs Slug



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 206944.989+/-38.093 χ^2/NDF:364945.8/18

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

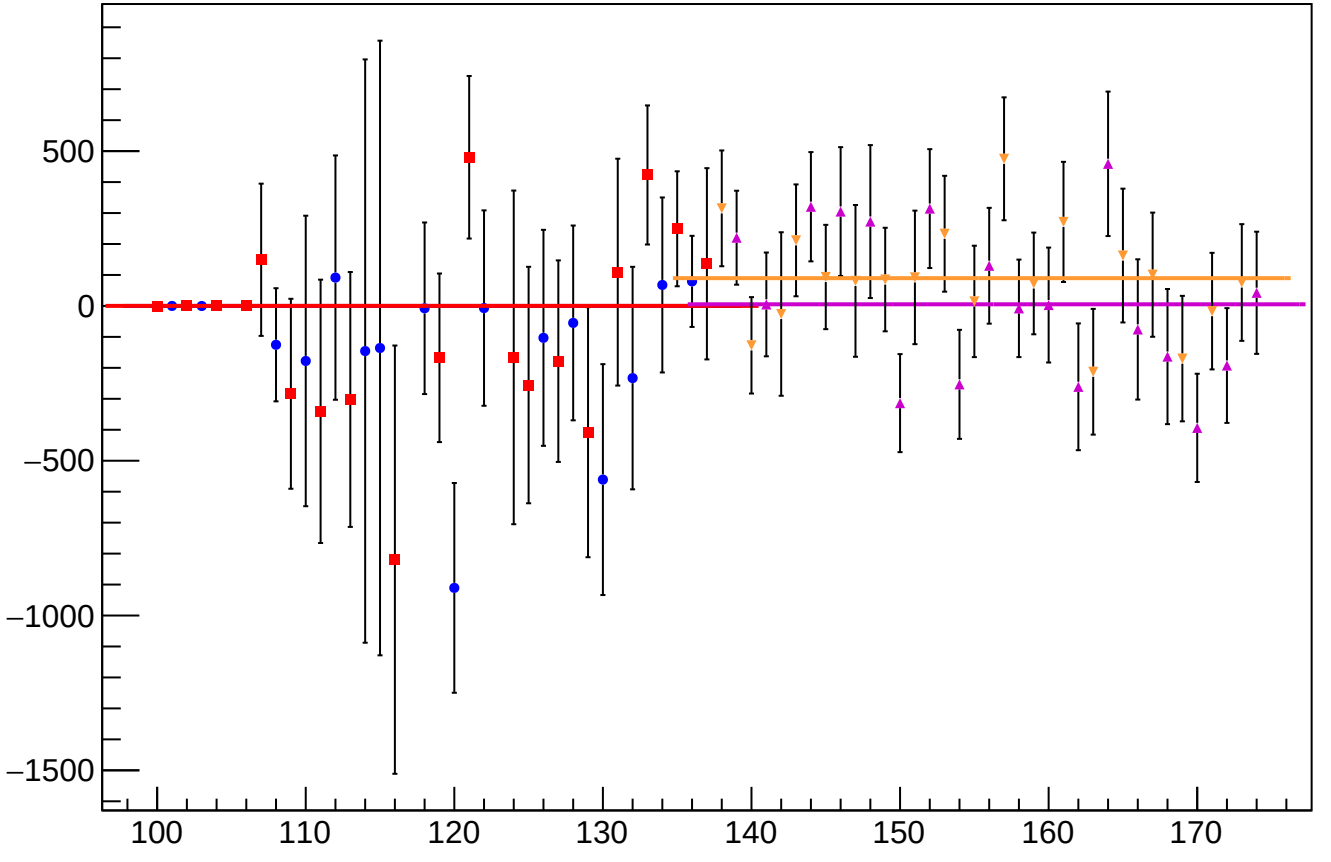
Left In: 208045.936+/-38.422 χ^2/NDF:328515.7/17

+ sign 151.207+/-0.122 χ^2/NDF: 41137154.4/34

All: 151.195+/-0.083 χ^2/NDF: 82031444.9/70

- 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: 89.674+/-43.700 χ^2/NDF:13.8/18

Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

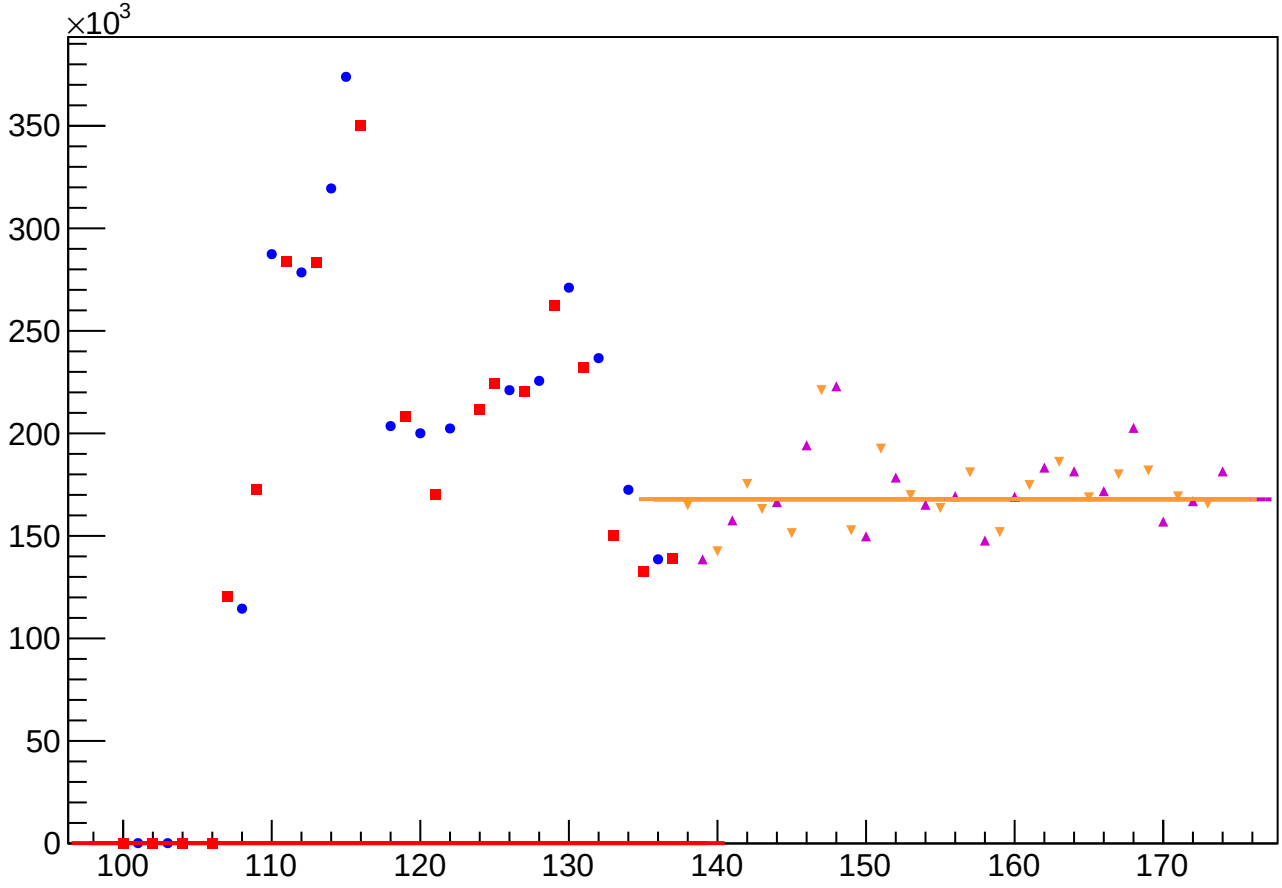
Left In: 5.259+/-43.933 χ^2/NDF:30.3/17

+ sign -0.067+/-0.177 χ^2/NDF: 29.2/34

All: 0.036+/-0.121 χ^2/NDF: 75.4/71

- 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: 167960.404+/-30.900 χ^2/NDF:277893.8/18

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

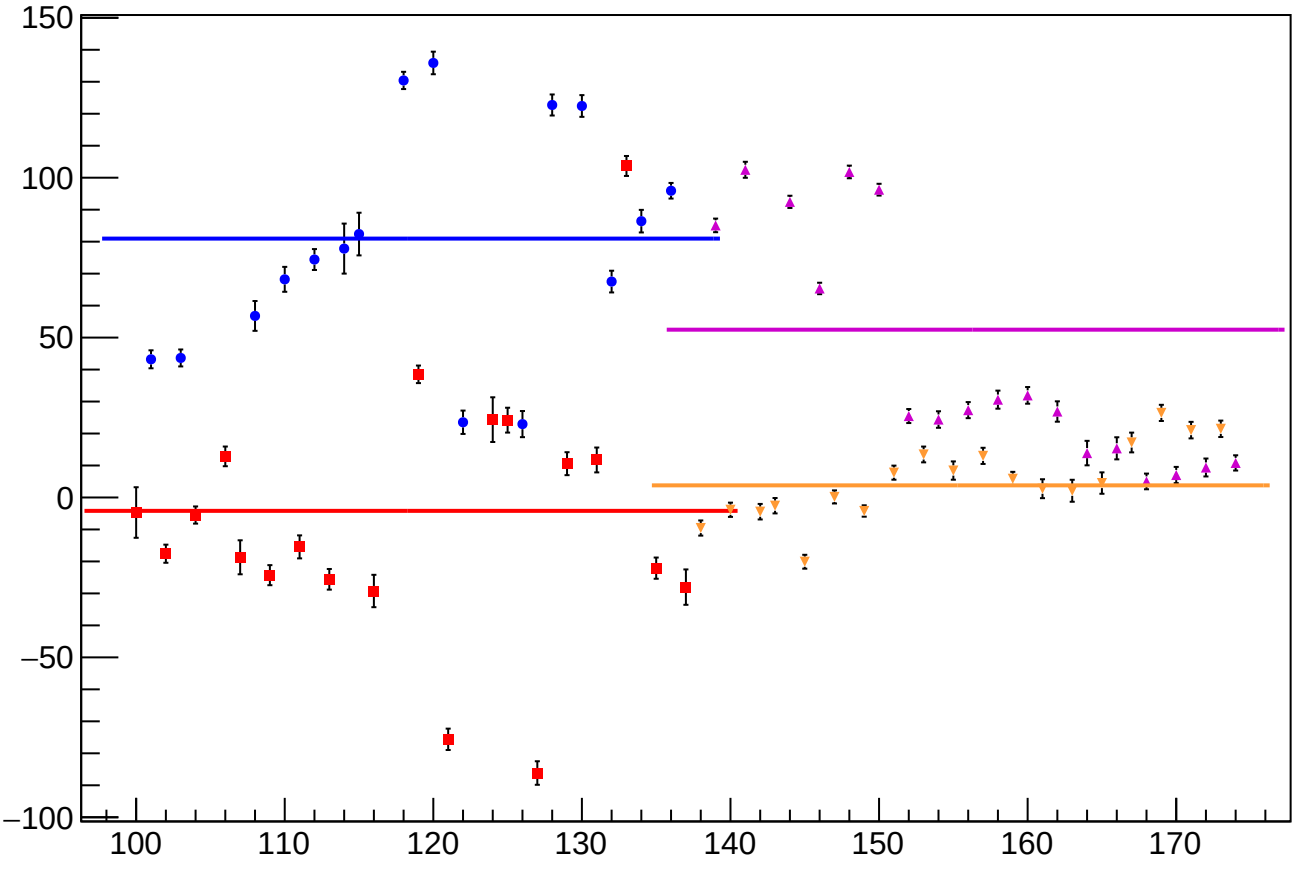
Left In: 167823.455+/-31.066 χ^2/NDF:366299.5/17

+ sign 156.220+/-0.125 χ^2/NDF: 41673741.2/34

All: 157.466+/-0.086 χ^2/NDF: 82500484.4/71

- 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: 3.791+/-0.559 χ^2/NDF:433.4/18

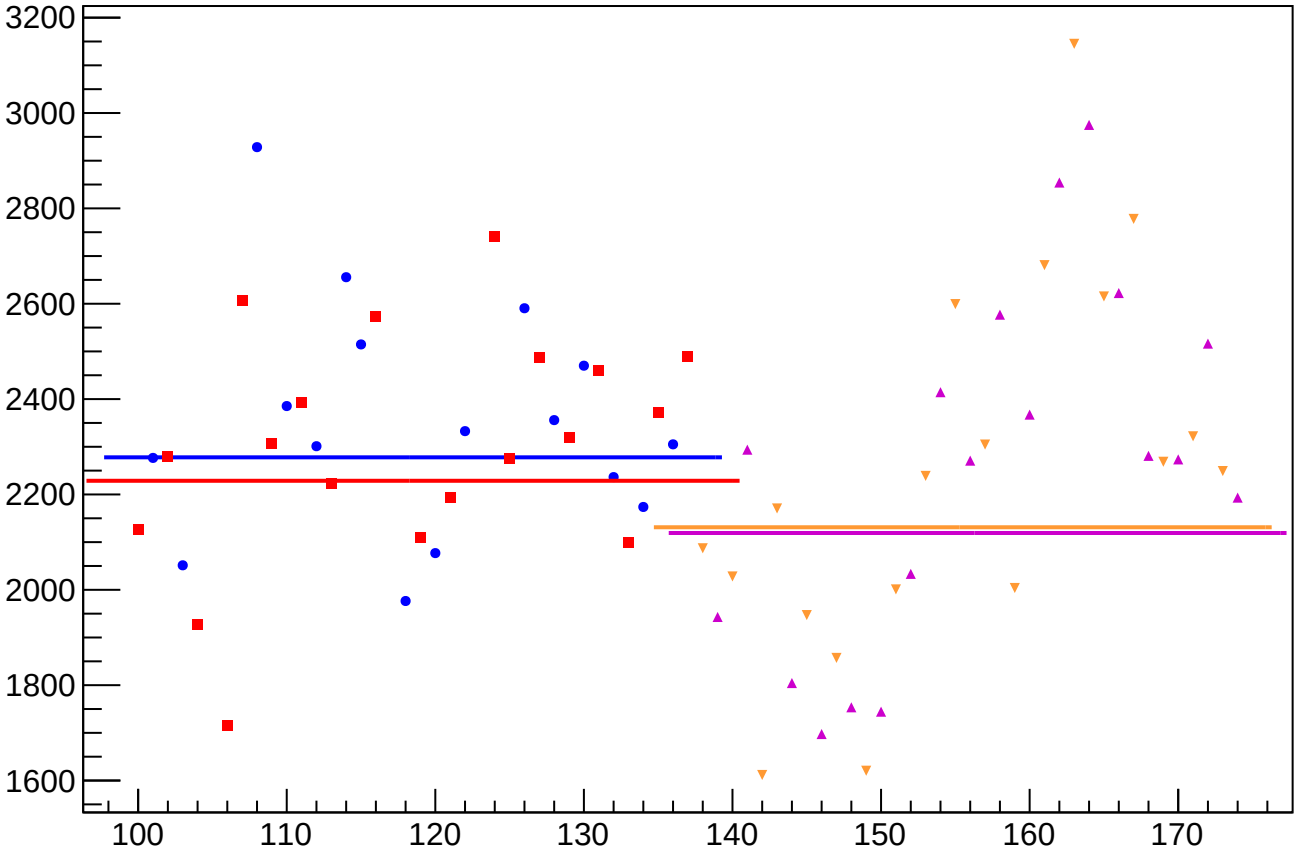
Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: 52.472+/-0.561 χ^2/NDF:4319.9/17

\+ sign 27.026+/-0.467 χ^2/NDF: 7987.4/34

All: 30.758+/-0.329 χ^2/NDF: 18405.3/71

\- sign 34.421+/-0.463 χ^2/NDF: 10291.5/36



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2131.192+/-0.395 χ^2/NDF:786499.9/18

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

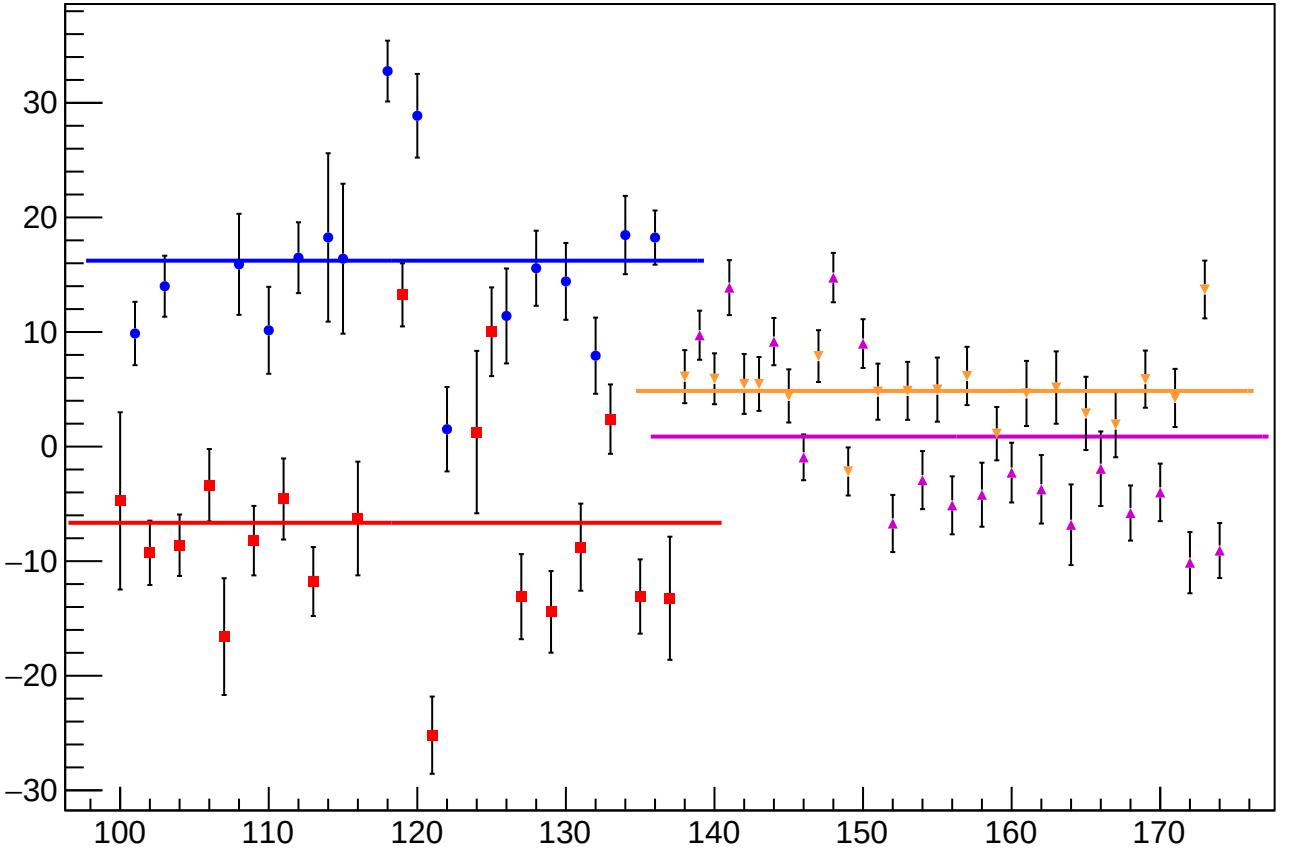
Left In: 2119.177+/-0.397 χ^2/NDF:753550.0/17

+ sign 2175.358+/-0.330 χ^2/NDF: 943750.2/34

All: 2164.615+/-0.233 χ^2/NDF: 1874831.1/71

- 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: 4.858+/-0.574 χ^2/NDF:30.5/18

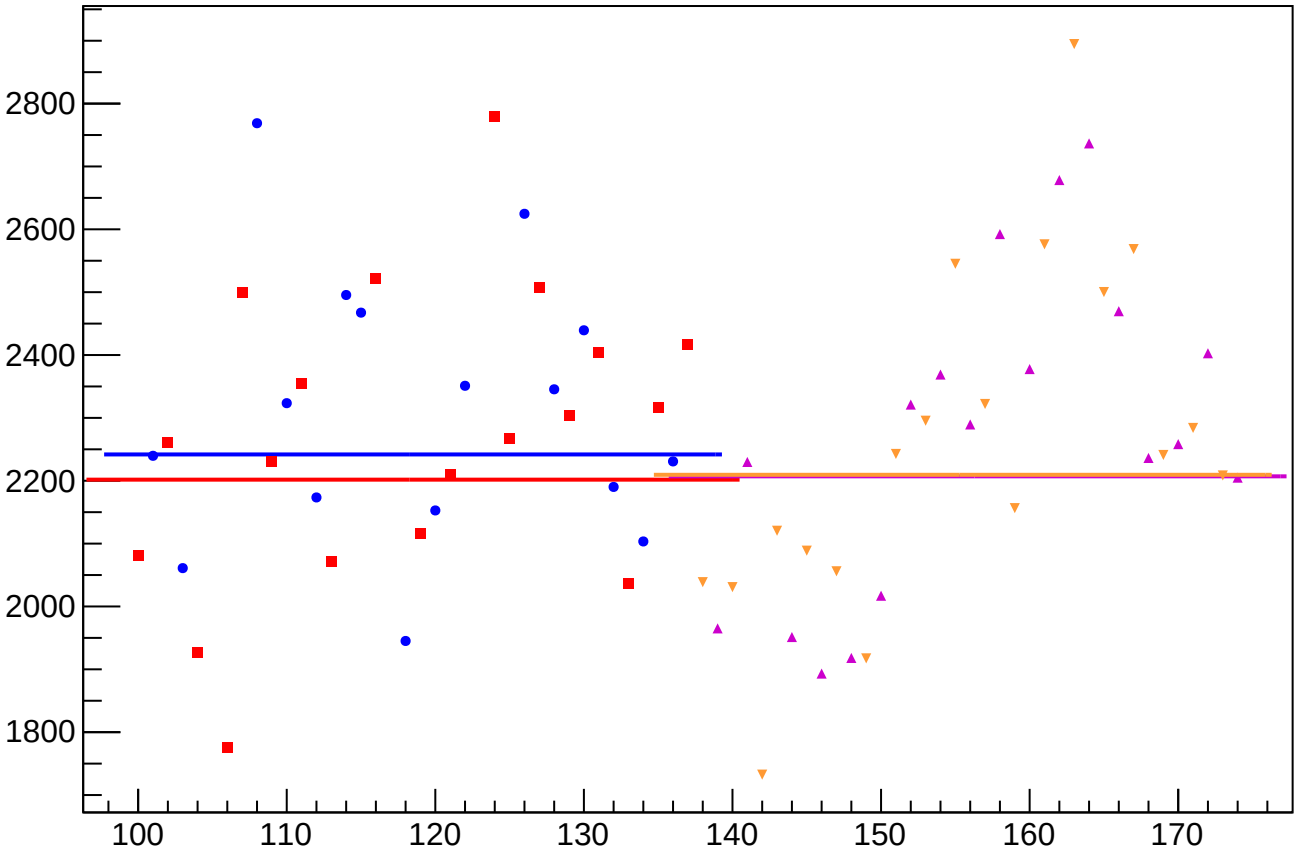
Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: 0.873+/-0.578 χ^2/NDF:194.8/17

+ sign 8.493+/-0.474 χ^2/NDF: 240.4/34

All: 3.377+/-0.334 χ^2/NDF: 858.7/71

- 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: 2209.462+/-0.406 χ^2/NDF:360556.4/18

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

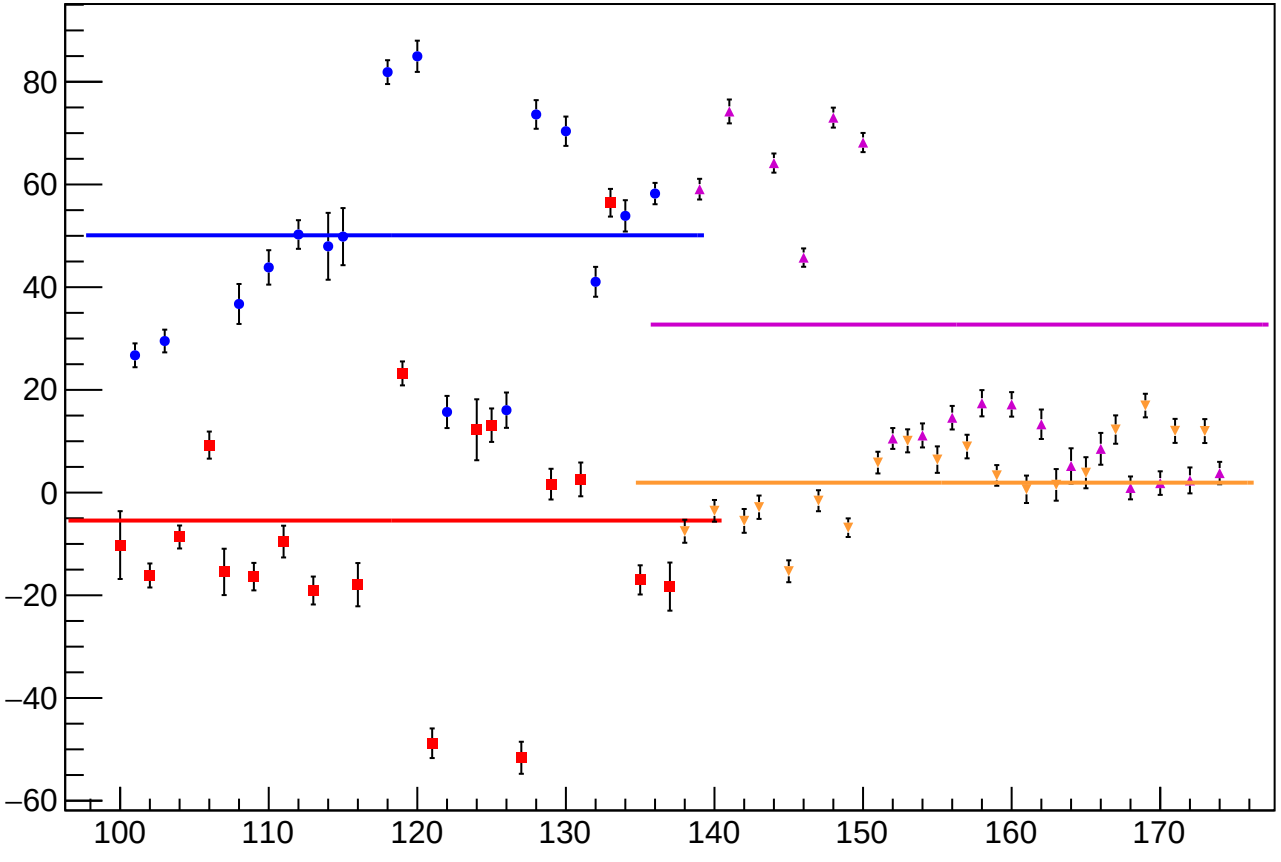
Left In: 2207.013+/-0.409 χ^2/NDF:338653.2/17

+ sign 2219.820+/-0.335 χ^2/NDF: 464851.6/34

All: 2212.474+/-0.236 χ^2/NDF: 934398.9/71

- 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: 1.934+/-0.526 χ^2/NDF:255.2/18

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

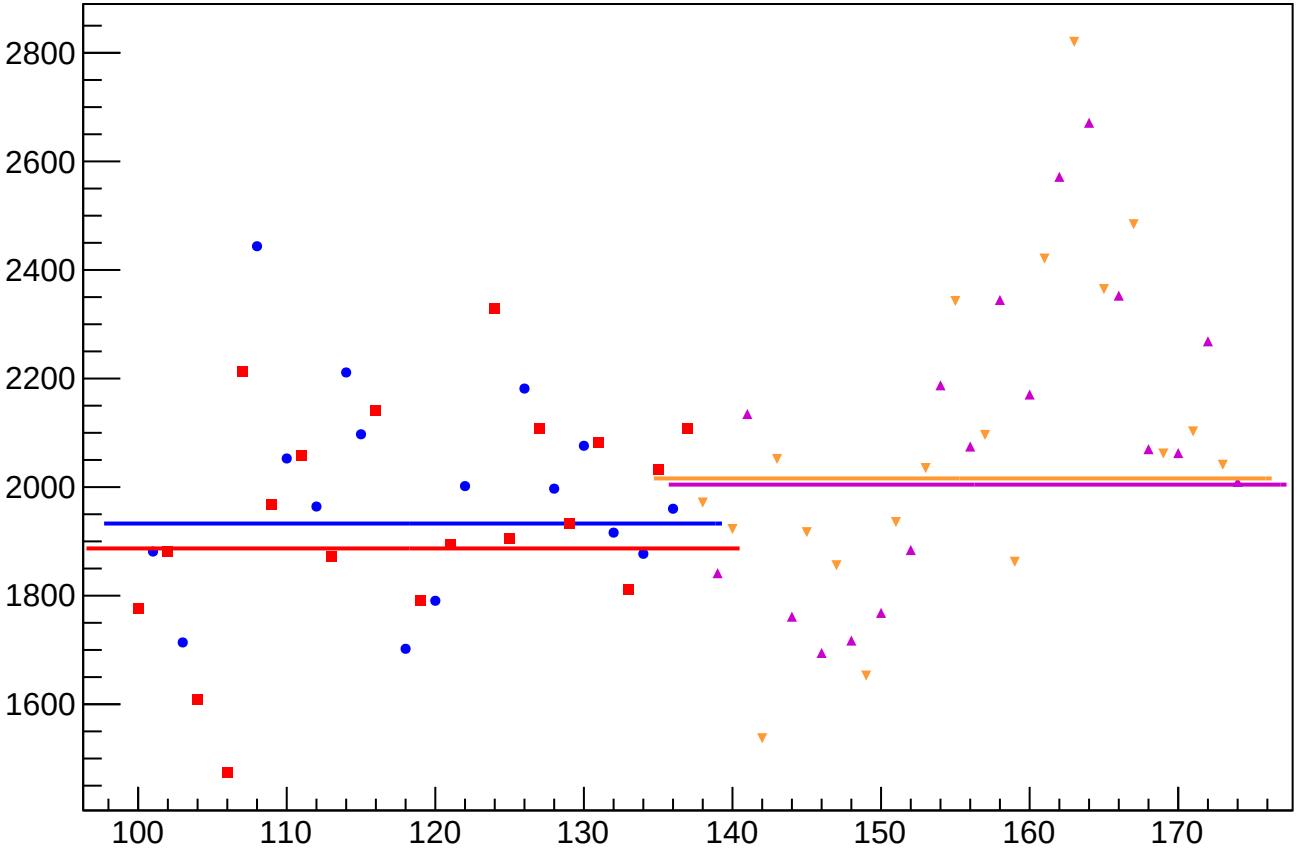
Left In: 32.718+/-0.527 χ^2/NDF:2838.1/17

\+ sign 18.620+/-0.425 χ^2/NDF: 4051.8/34

All: 18.687+/-0.299 χ^2/NDF: 10117.1/71

\- 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: 2015.984+/-0.372 χ^2/NDF:506625.3/18

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

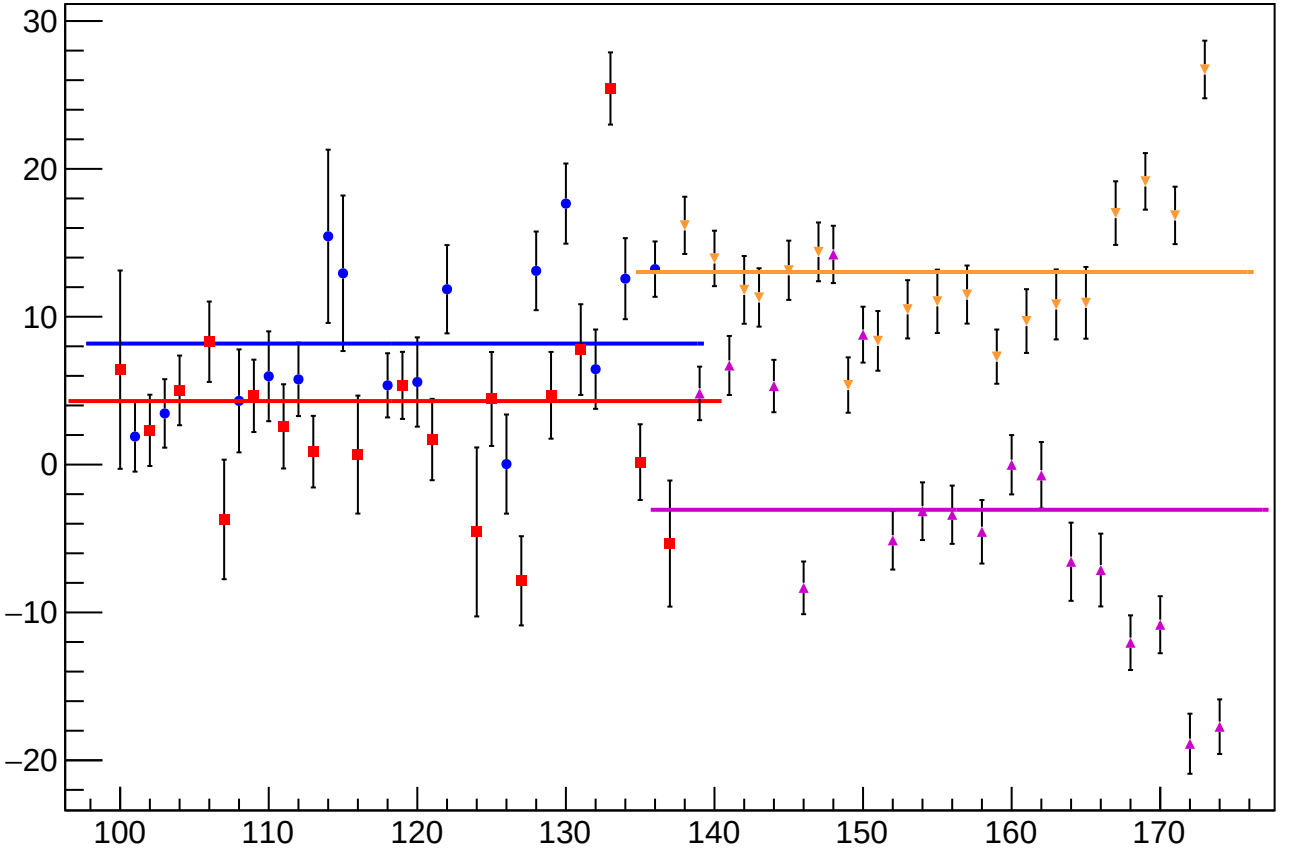
Left In: 2004.592+/-0.373 χ^2/NDF:458737.6/17

+ sign 1987.204+/-0.301 χ^2/NDF: 629894.8/34

All: 1974.229+/-0.211 χ^2/NDF: 1278437.4/71

- sign 1961.559+/-0.297 χ^2/NDF: 644858.7/36

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 13.025+/-0.464 χ^2/NDF:110.2/18

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

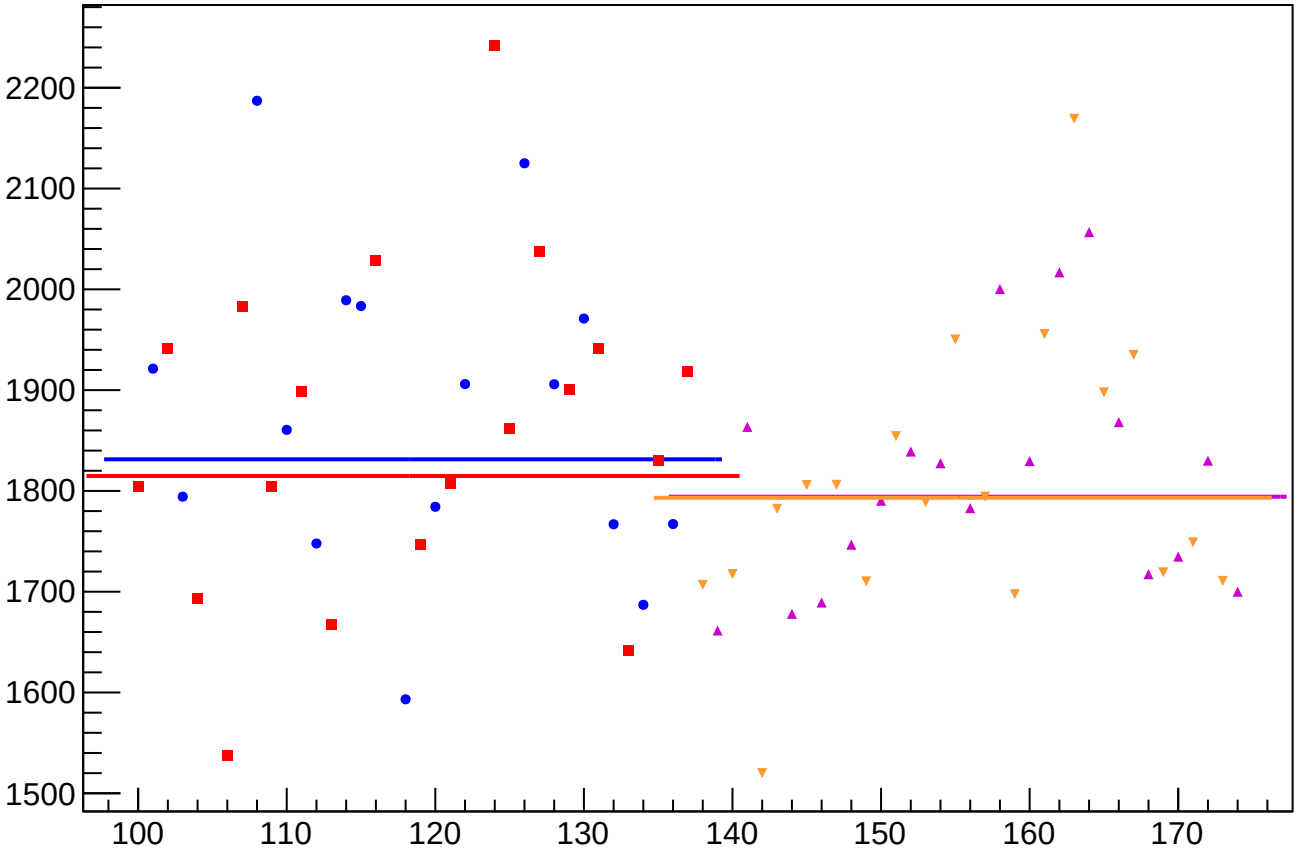
Left In: -3.057+/-0.467 χ^2/NDF:365.7/17

+ sign 11.498+/-0.384 χ^2/NDF: 196.5/34

All: 5.411+/-0.271 χ^2/NDF: 1258.7/71

- 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: 1793.177+/-0.328 χ^2/NDF:139726.5/18

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

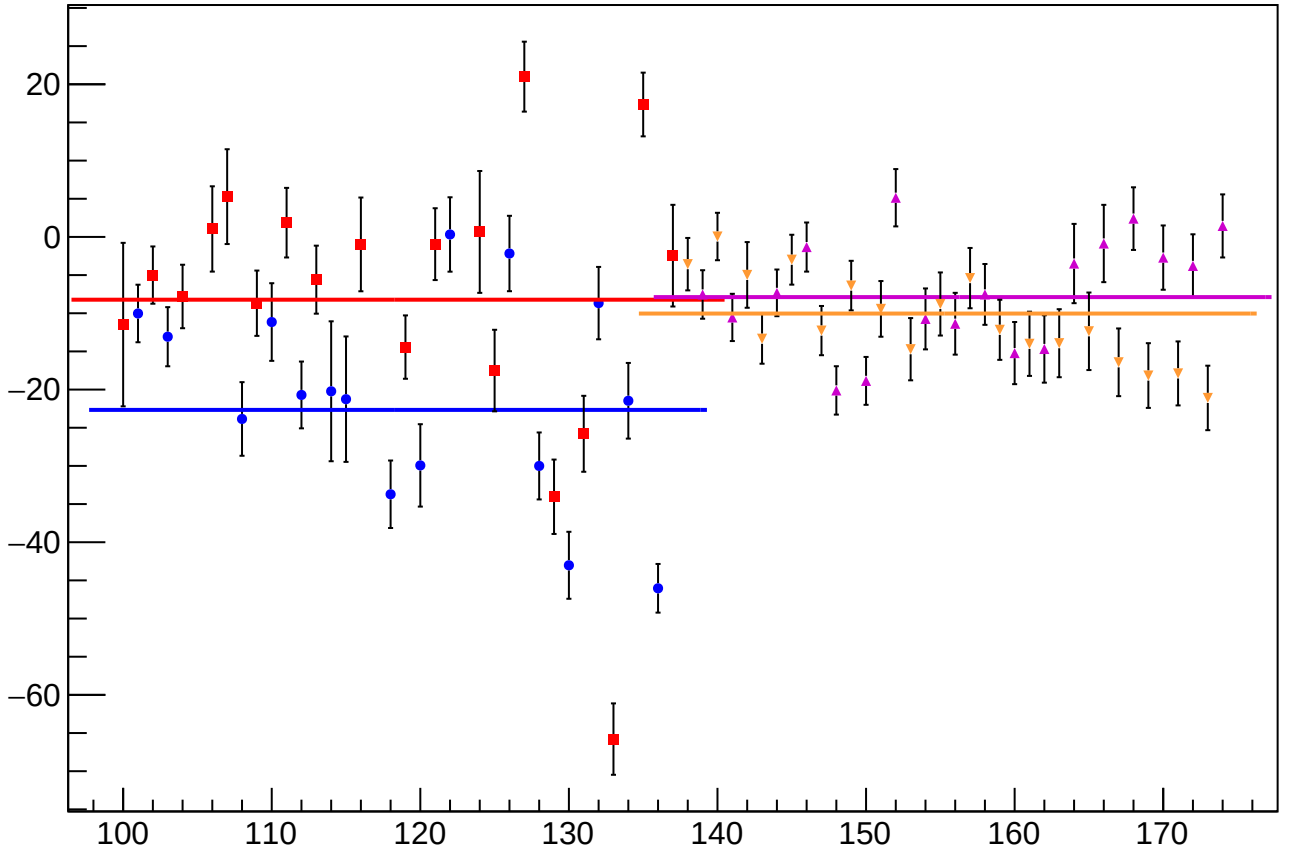
Left In: 1794.252+/-0.330 χ^2/NDF:102914.8/17

\+ sign 1805.222+/-0.271 χ^2/NDF: 230917.4/34

All: 1803.117+/-0.192 χ^2/NDF: 425964.4/71

\- 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: -10.039+/-0.874 χ^2/NDF:44.0/18

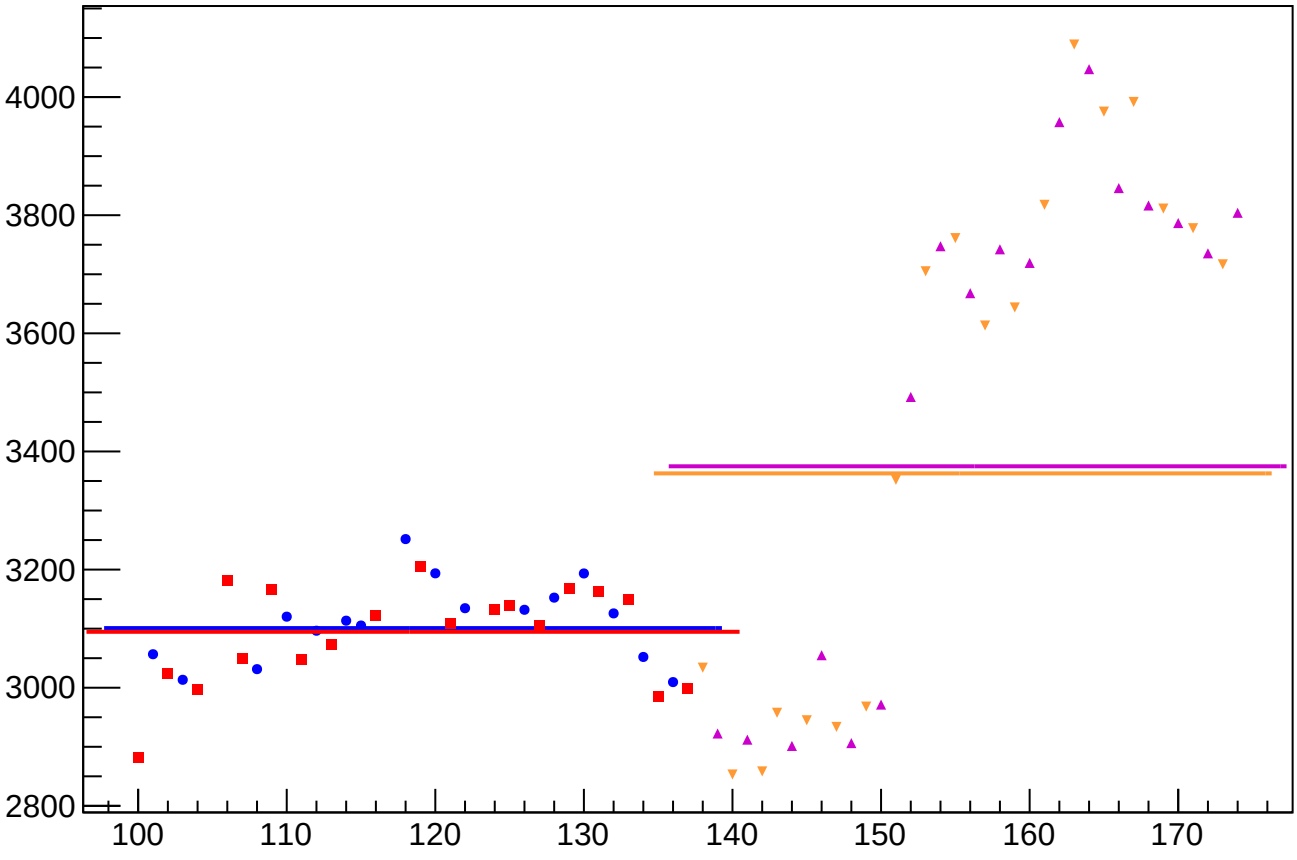
Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: -7.883+/-0.882 χ^2/NDF:67.5/17

+ sign -14.654+/-0.697 χ^2/NDF: 277.3/34

All: -11.325+/-0.492 χ^2/NDF: 685.2/71

- 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: 3362.885+/-0.618 χ^2/NDF:480689.7/18

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

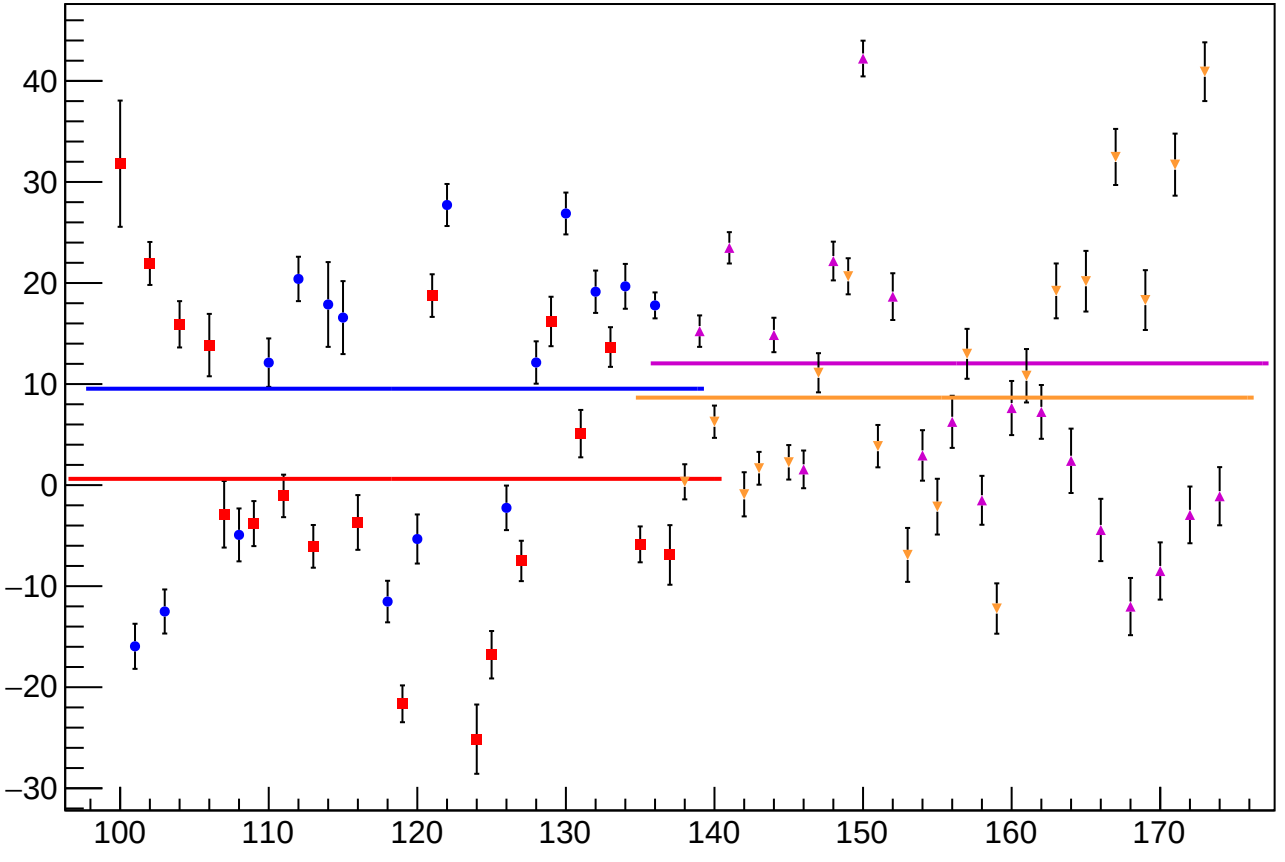
Left In: 3374.884+/-0.624 χ^2/NDF:455593.7/17

+ sign 3267.118+/-0.493 χ^2/NDF: 554191.4/34

All: 3267.909+/-0.348 χ^2/NDF: 1094904.0/71

- 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: 8.659+/-0.505 χ^2/NDF:545.9/18

Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

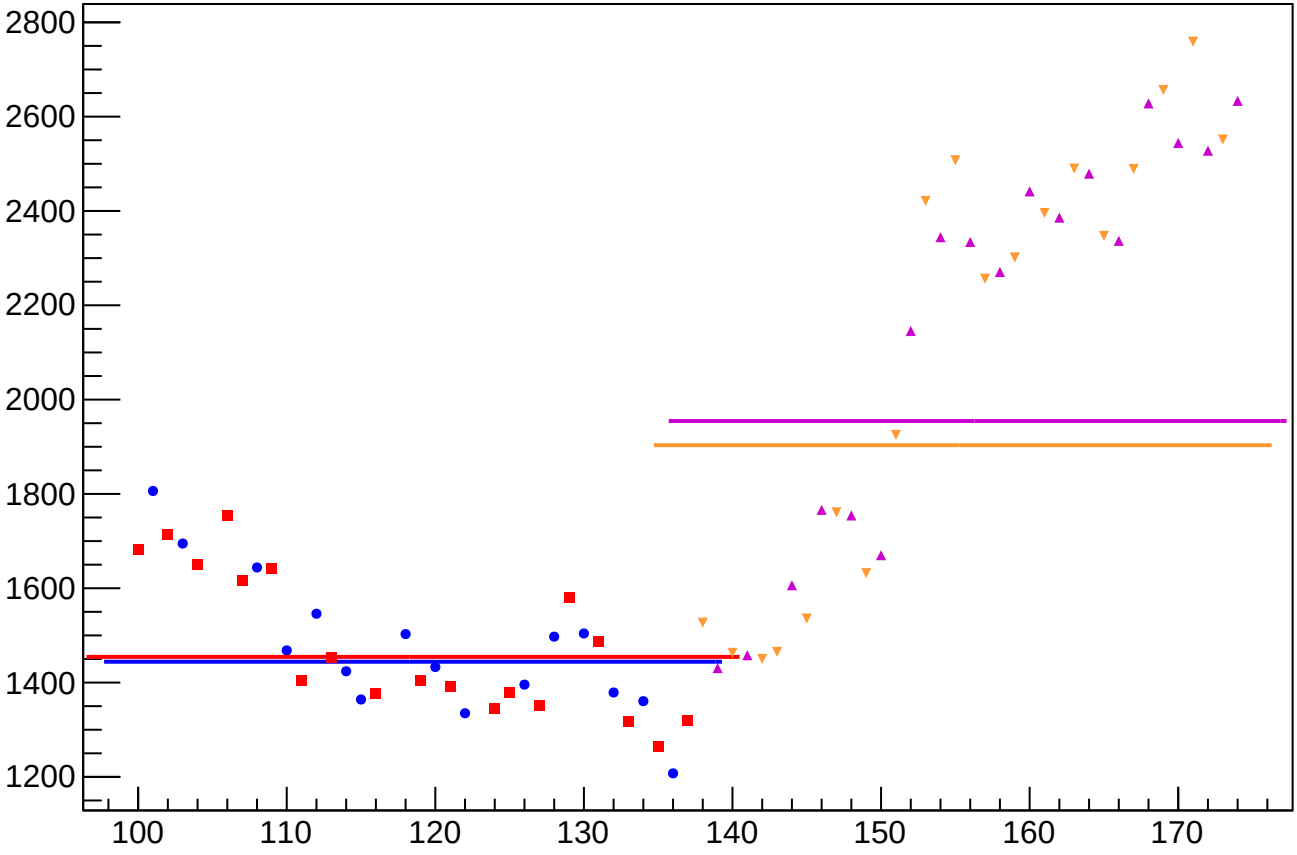
Left In: 12.047+/-0.520 χ^2/NDF:687.9/17

+ sign 9.069+/-0.369 χ^2/NDF: 1246.1/34

All: 7.790+/-0.262 χ^2/NDF: 2859.1/71

- 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: 1903.372+/-0.357 χ^2/NDF:1570377.9/18

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

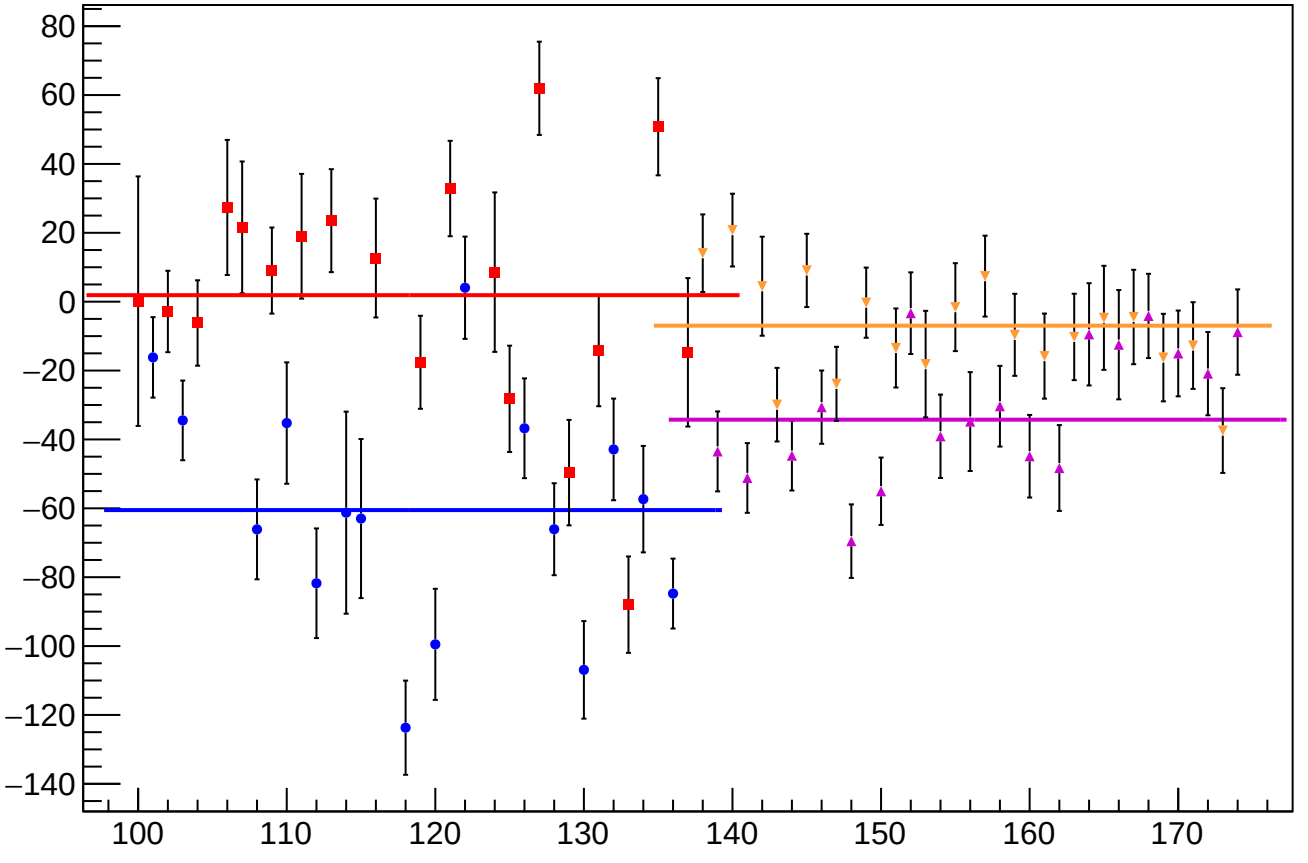
Left In: 1954.579+/-0.368 χ^2/NDF:1346584.0/17

+ sign 1689.578+/-0.261 χ^2/NDF: 2519647.8/34

All: 1700.360+/-0.185 χ^2/NDF: 4913031.2/71

- 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: -6.960+/-2.758 χ^2/NDF:30.9/18

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

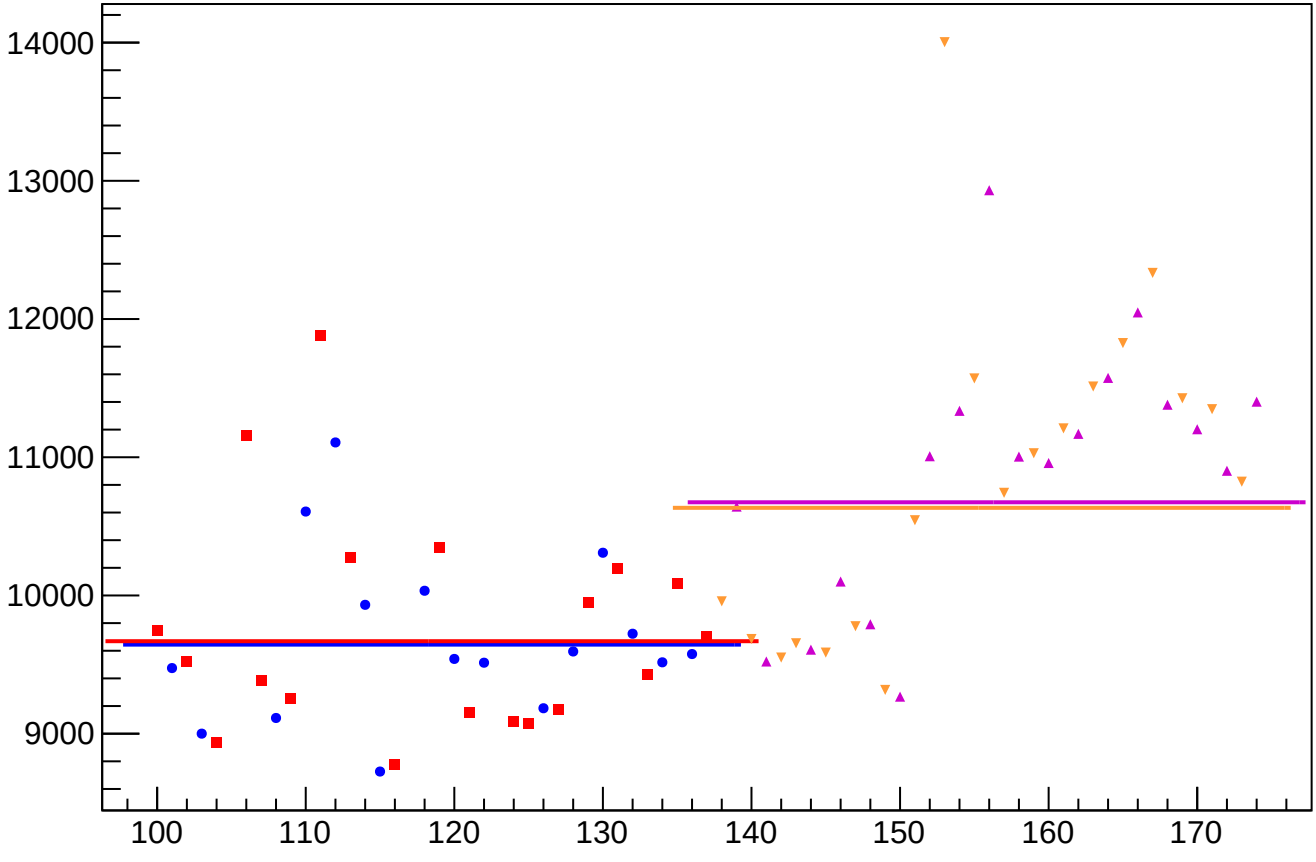
Left In: -34.261+/-2.779 χ^2/NDF:47.7/17

+ sign -26.793+/-2.188 χ^2/NDF: 260.9/34

All: -23.637+/-1.547 χ^2/NDF: 481.0/71

- 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: 10634.098+/-1.950 χ^2/NDF:297194.5/18

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

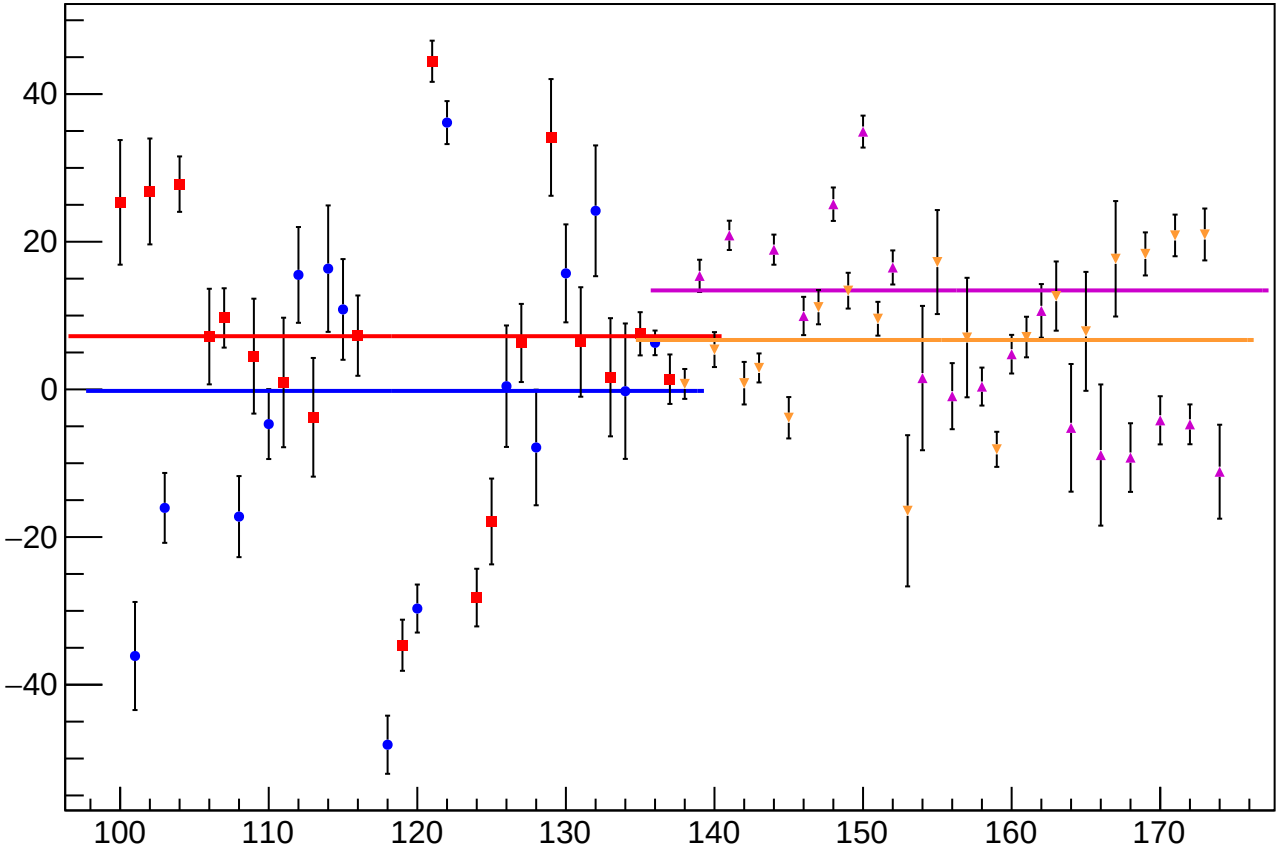
Left In: 10674.190+/-1.965 χ^2/NDF:211960.8/17

+ sign 10267.579+/-1.548 χ^2/NDF: 436674.5/34

All: 10279.434+/-1.094 χ^2/NDF: 828263.5/71

- 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: 6.692+/-0.669 χ^2/NDF:151.3/18

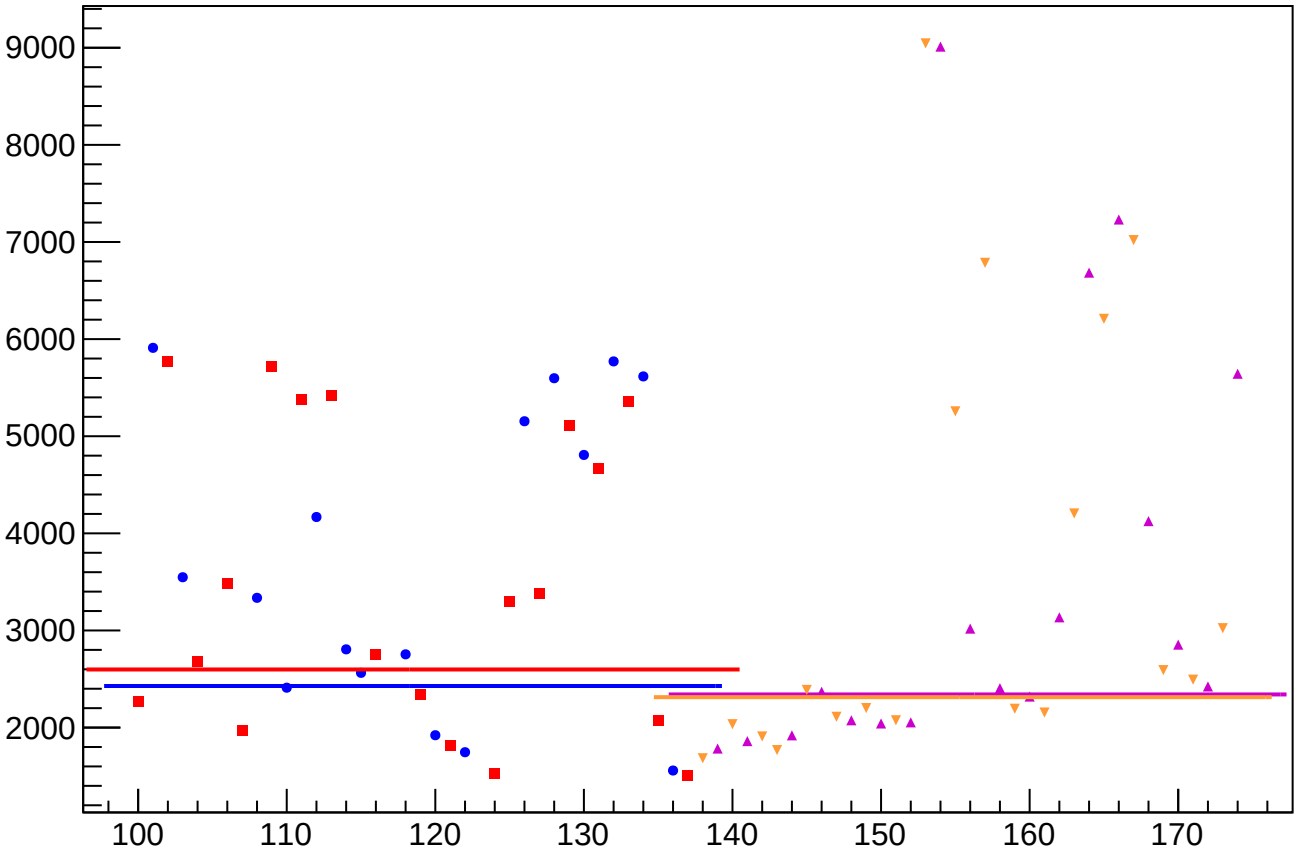
Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: 13.406+/-0.673 χ^2/NDF:323.1/17

+ sign 4.686+/-0.564 χ^2/NDF: 655.9/34

All: 8.133+/-0.401 χ^2/NDF: 1564.2/71

- sign 11.658+/-0.570 χ^2/NDF: 832.6/36



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2313.239+/-0.473 χ^2/NDF:3918643.9/18

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

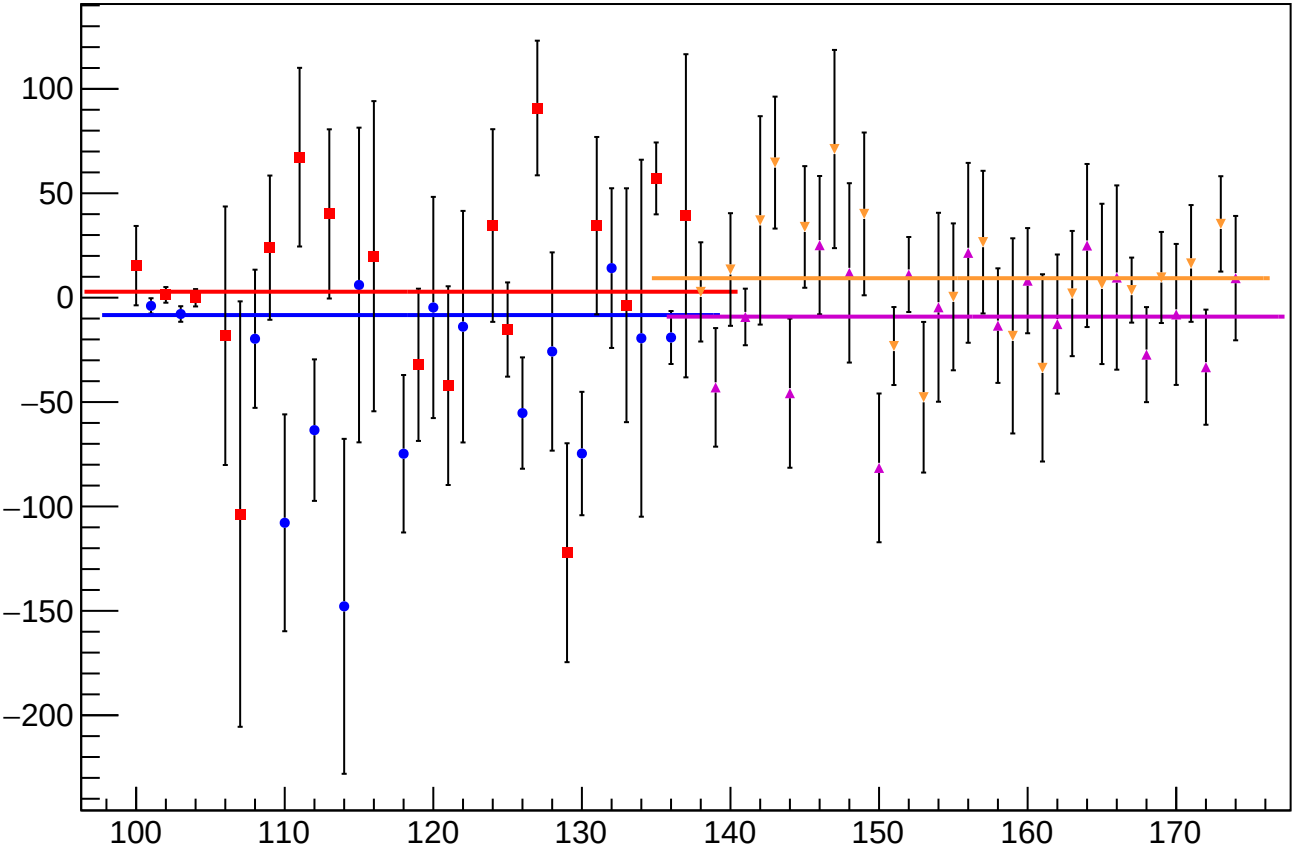
Left In: 2341.225+/-0.476 χ^2/NDF:3415803.2/17

+ sign 2346.629+/-0.399 χ^2/NDF: 6751098.8/34

All: 2379.792+/-0.283 χ^2/NDF: 12778189.5/7

- 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: 9.326+/-6.416 χ^2/NDF:15.2/18

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

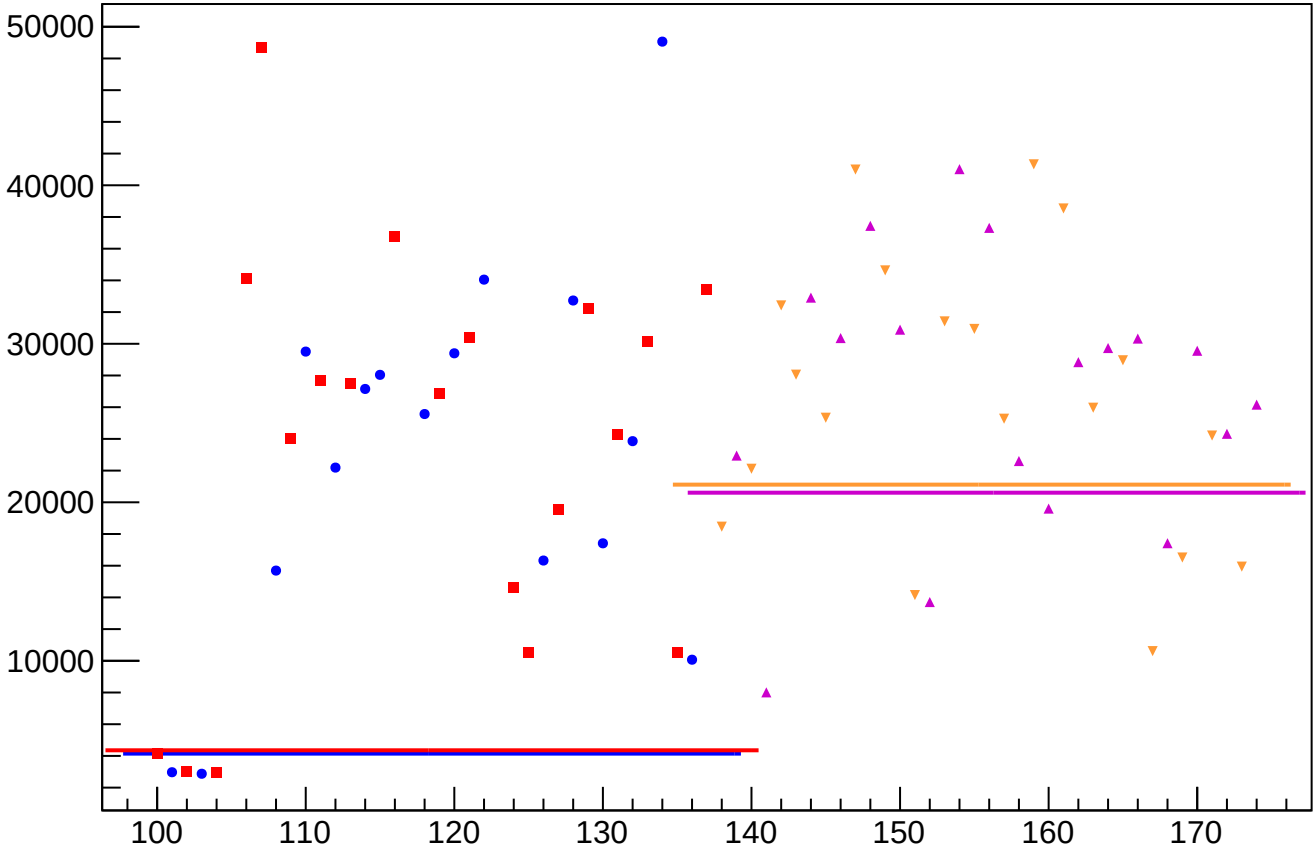
Left In: -9.083+/-6.447 χ^2/NDF:12.9/17

+ sign -6.006+/-2.329 χ^2/NDF: 45.2/34

All: -2.606+/-1.686 χ^2/NDF: 98.1/71

- 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: 21114.758+/-4.537 χ^2/NDF:3424131.2/18

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

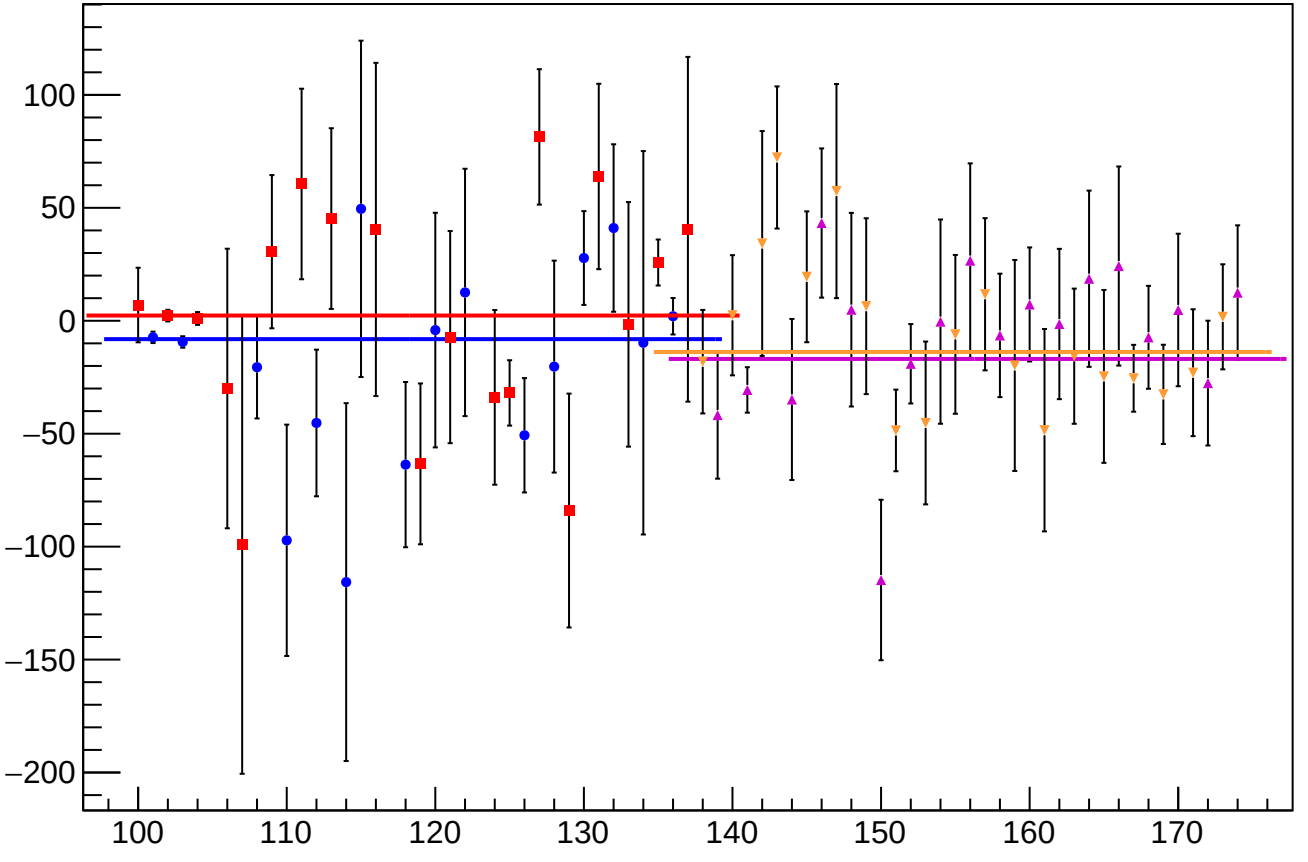
Left In: 20606.143+/-4.559 χ^2/NDF:4257336.8/17

+ sign 6381.750+/-1.647 χ^2/NDF: 22408567.8/34

All: 6527.380+/-1.192 χ^2/NDF: 45191611.0/7

- sign 6687.598+/-1.727 χ^2/NDF: 22766618.9/36

diff_bpm0l03Y_mean vs Slug



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -13.826+/-6.317 χ^2/NDF:20.4/18

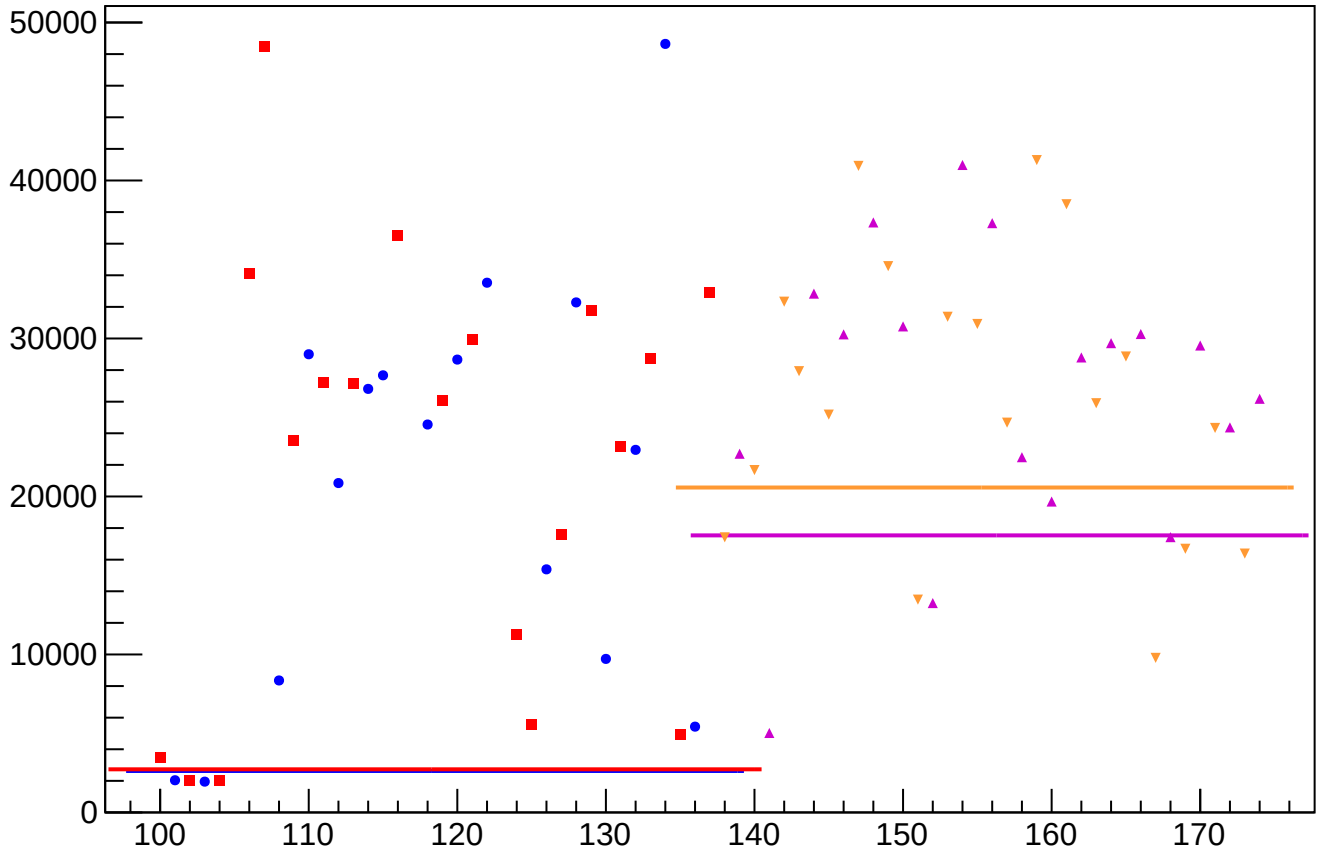
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -16.903+/-5.906 χ^2/NDF:19.9/17

+ sign -8.526+/-1.660 χ^2/NDF: 40.2/34

All: -4.153+/-1.201 χ^2/NDF: 117.4/71

- 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: 20566.827+/-4.467 χ^2/NDF:3728062.4/18

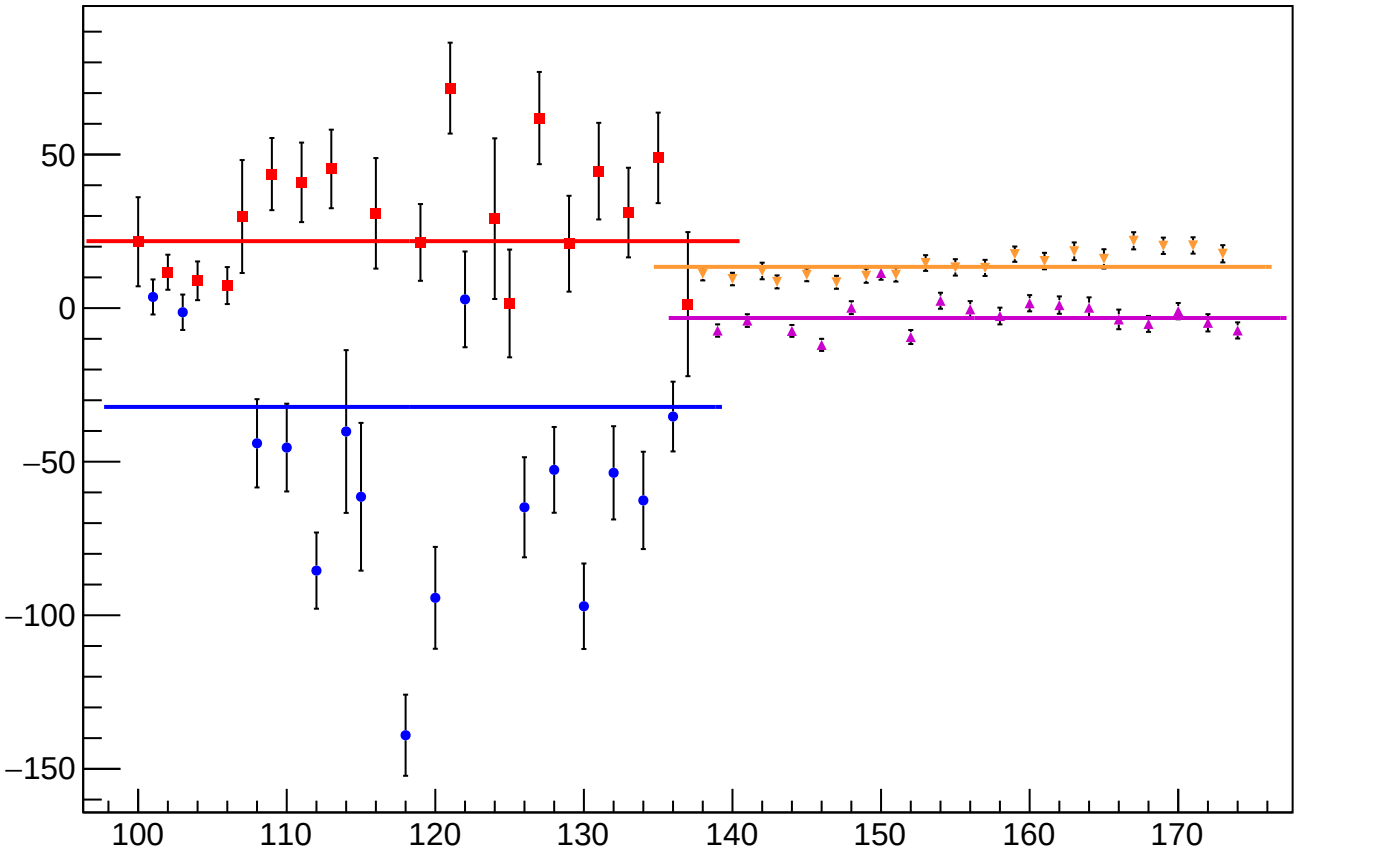
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 17537.192+/-4.177 χ^2/NDF:6818323.7/17

+ sign 3865.116+/-1.174 χ^2/NDF: 25525460.0/34

All: 3937.141+/-0.849 χ^2/NDF: 51815020.4/7

- 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: 13.429+/-0.563 χ^2/NDF:52.8/18

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

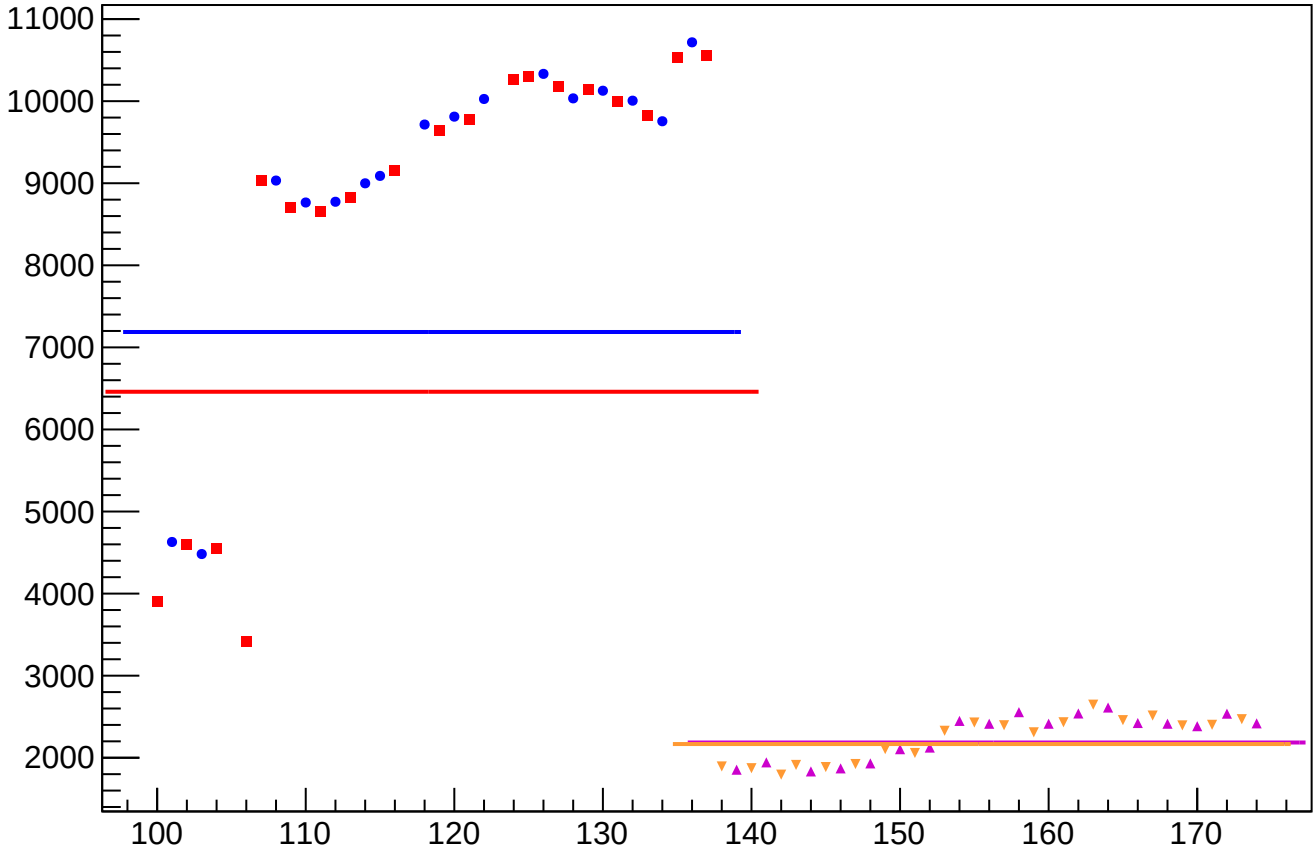
Left In: -3.221+/-0.572 χ^2/NDF:98.5/17

+ sign 11.705+/-0.553 χ^2/NDF: 508.3/34

All: 4.902+/-0.393 χ^2/NDF: 1053.1/71

- 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: 2166.968+/-0.398 χ^2/NDF:434642.1/18

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

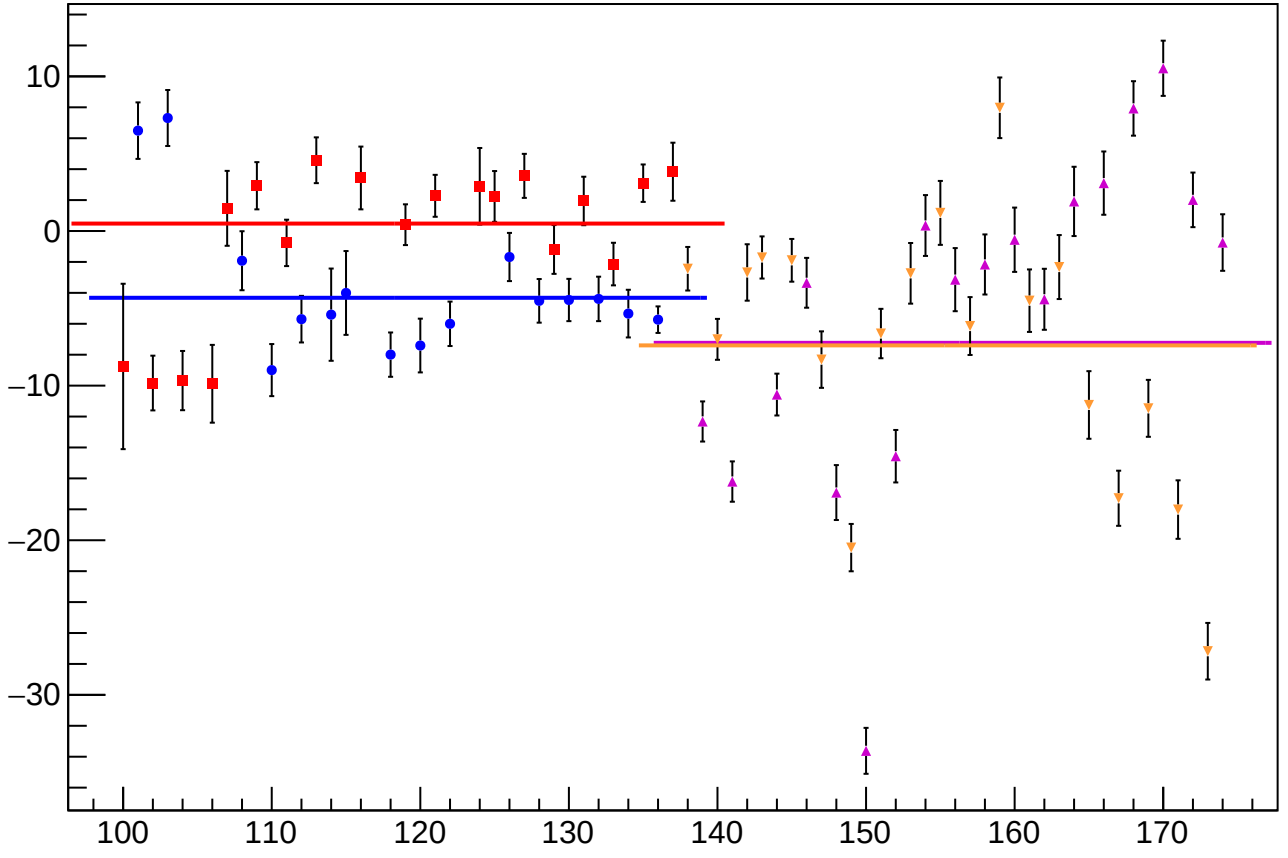
Left In: 2185.736+/-0.404 χ^2/NDF:467355.5/17

+ sign 2356.772+/-0.391 χ^2/NDF: 8146827.7/34

All: 2372.756+/-0.278 χ^2/NDF: 16213438.6/7

- 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: -7.398+/-0.393 χ^2/NDF:405.6/18

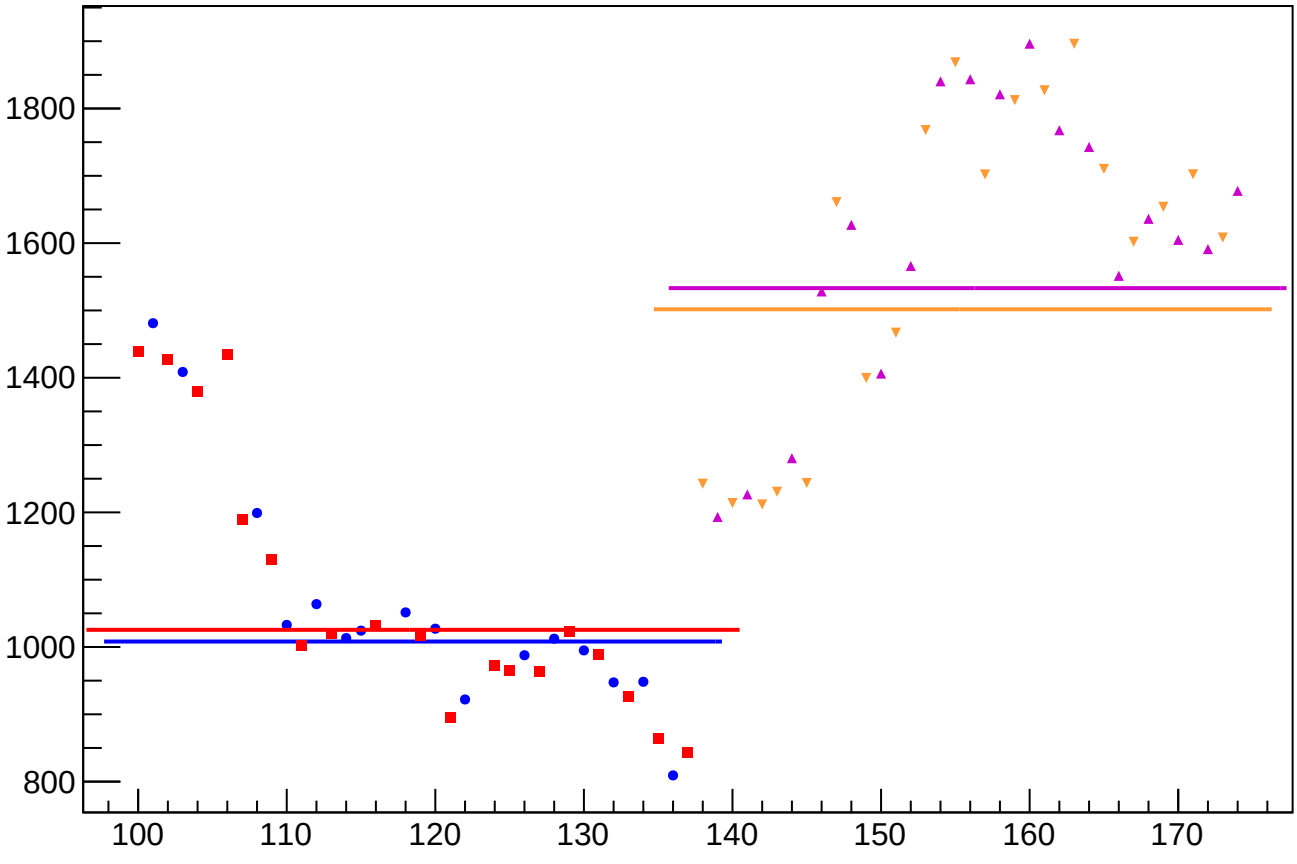
Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: -7.233+/-0.402 χ^2/NDF:731.7/17

+ sign -5.805+/-0.273 χ^2/NDF: 541.0/34

All: -4.486+/-0.194 χ^2/NDF: 1631.9/71

- 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: 1501.762+/-0.278 χ^2/NDF:751573.9/18

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

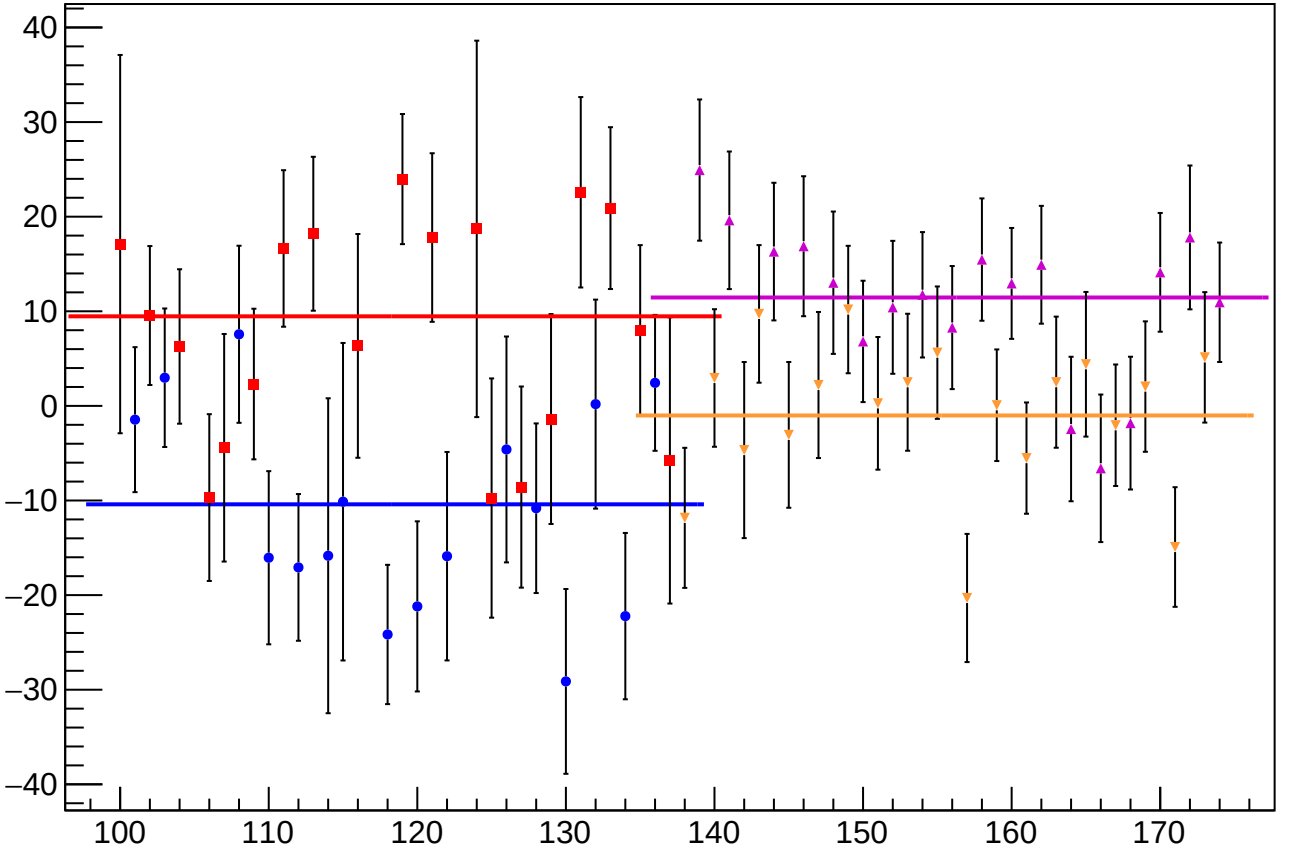
Left In: 1533.150+/-0.285 χ^2/NDF:608948.8/17

+ sign 1246.376+/-0.193 χ^2/NDF: 2761653.4/34

All: 1255.052+/-0.137 χ^2/NDF: 5408934.6/71

- 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: -1.012+/-1.597 χ^2/NDF:24.3/18

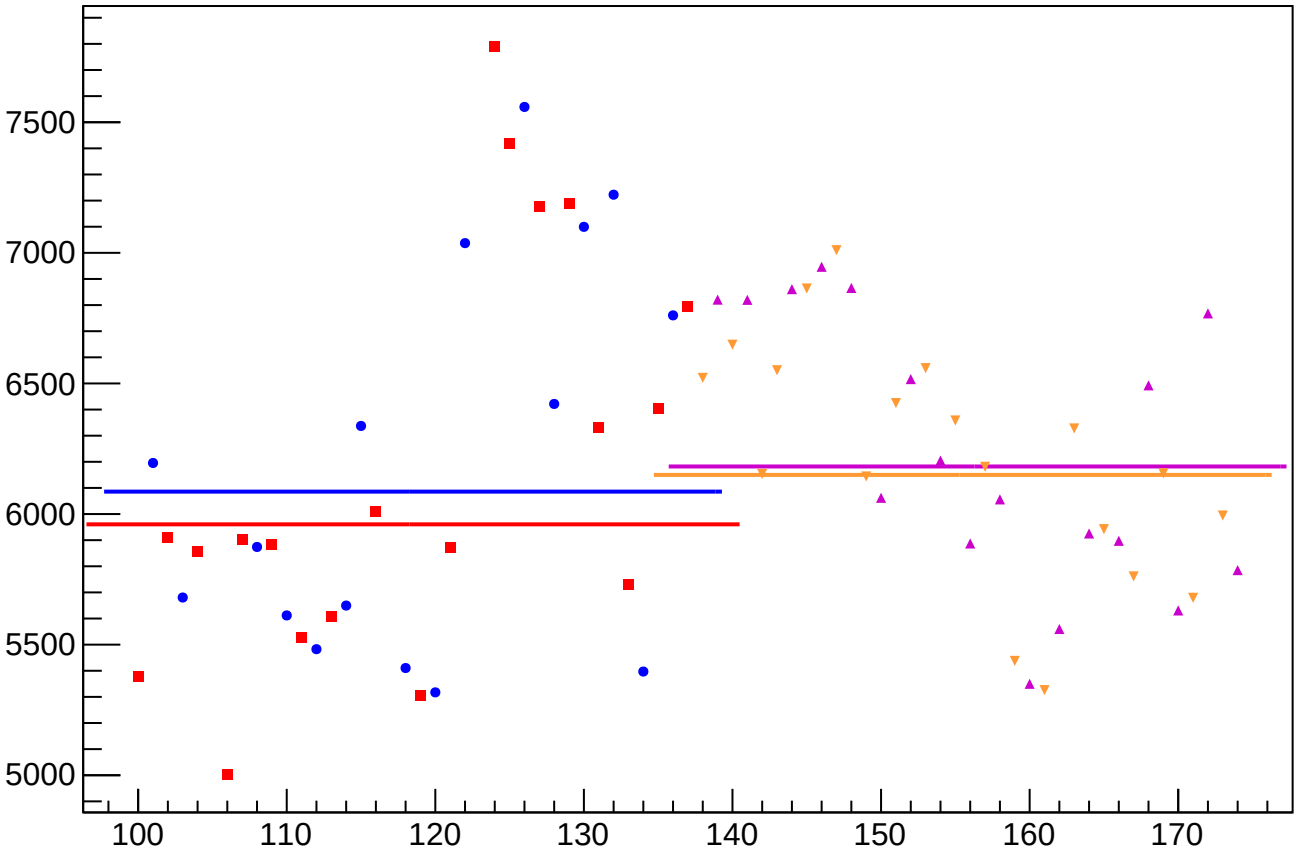
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 11.458+/-1.615 χ^2/NDF:20.2/17

+ sign -4.104+/-1.308 χ^2/NDF: 60.3/34

All: 3.372+/-0.922 χ^2/NDF: 171.3/71

- 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: 6149.865+/-1.130 χ^2/NDF:164409.9/18

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

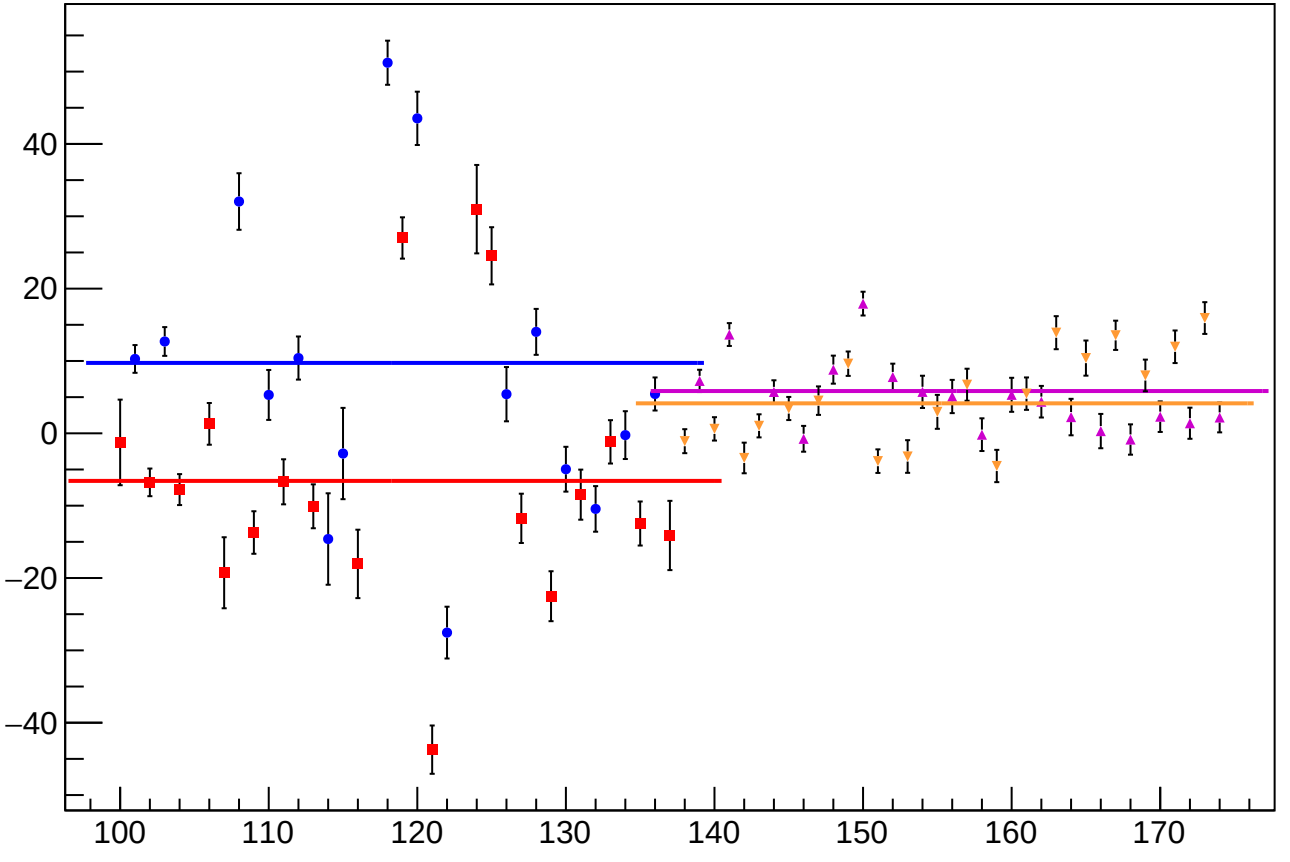
Left In: 6182.125+/-1.142 χ^2/NDF:199777.3/17

+ sign 6128.795+/-0.925 χ^2/NDF: 344585.4/34

All: 6116.376+/-0.652 χ^2/NDF: 720737.6/71

- 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: 4.144+/-0.450 χ^2/NDF:184.3/18

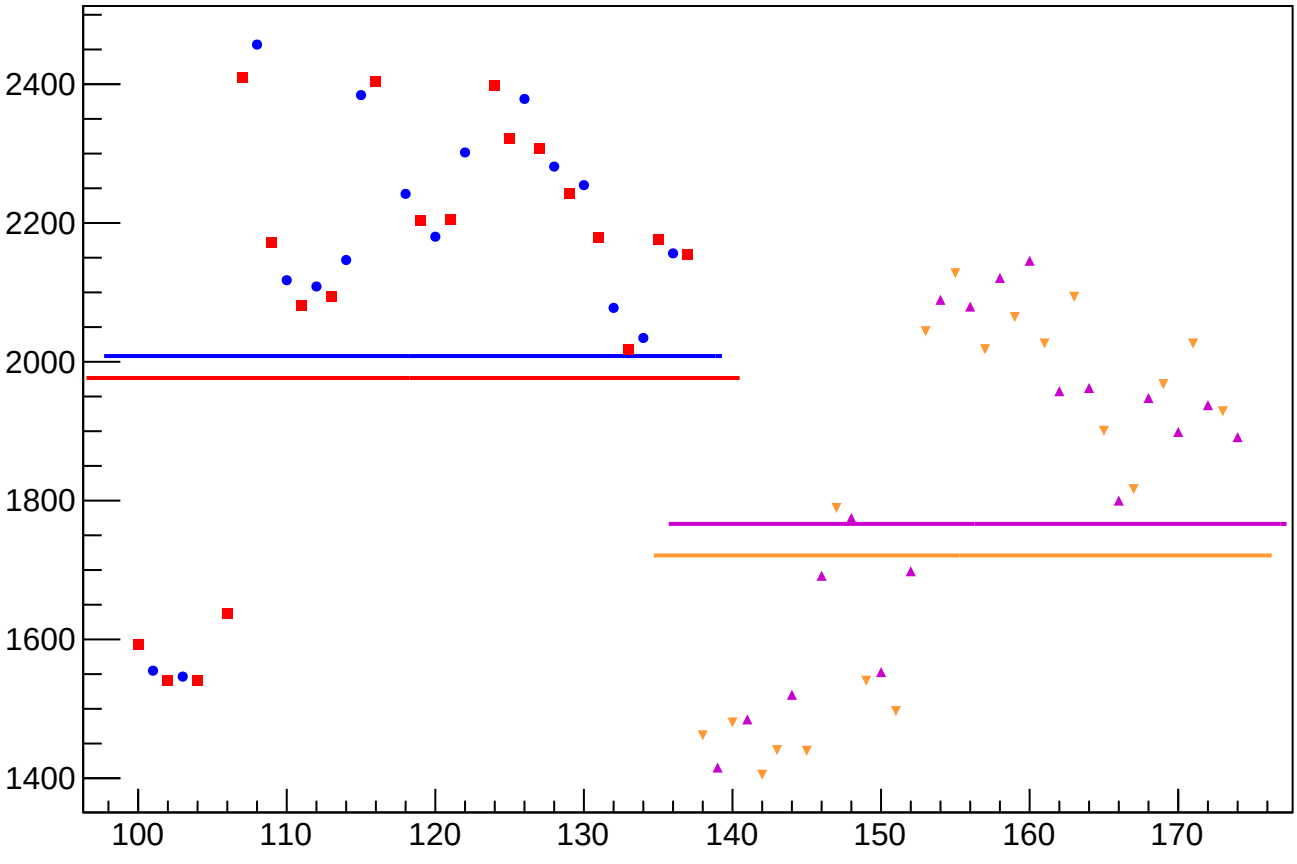
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 5.845+/-0.463 χ^2/NDF:132.2/17

+ sign 5.608+/-0.386 χ^2/NDF: 737.1/34

All: 3.967+/-0.275 χ^2/NDF: 1536.0/71

- 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: 1721.004+/-0.318 χ^2/NDF:695314.7/18

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

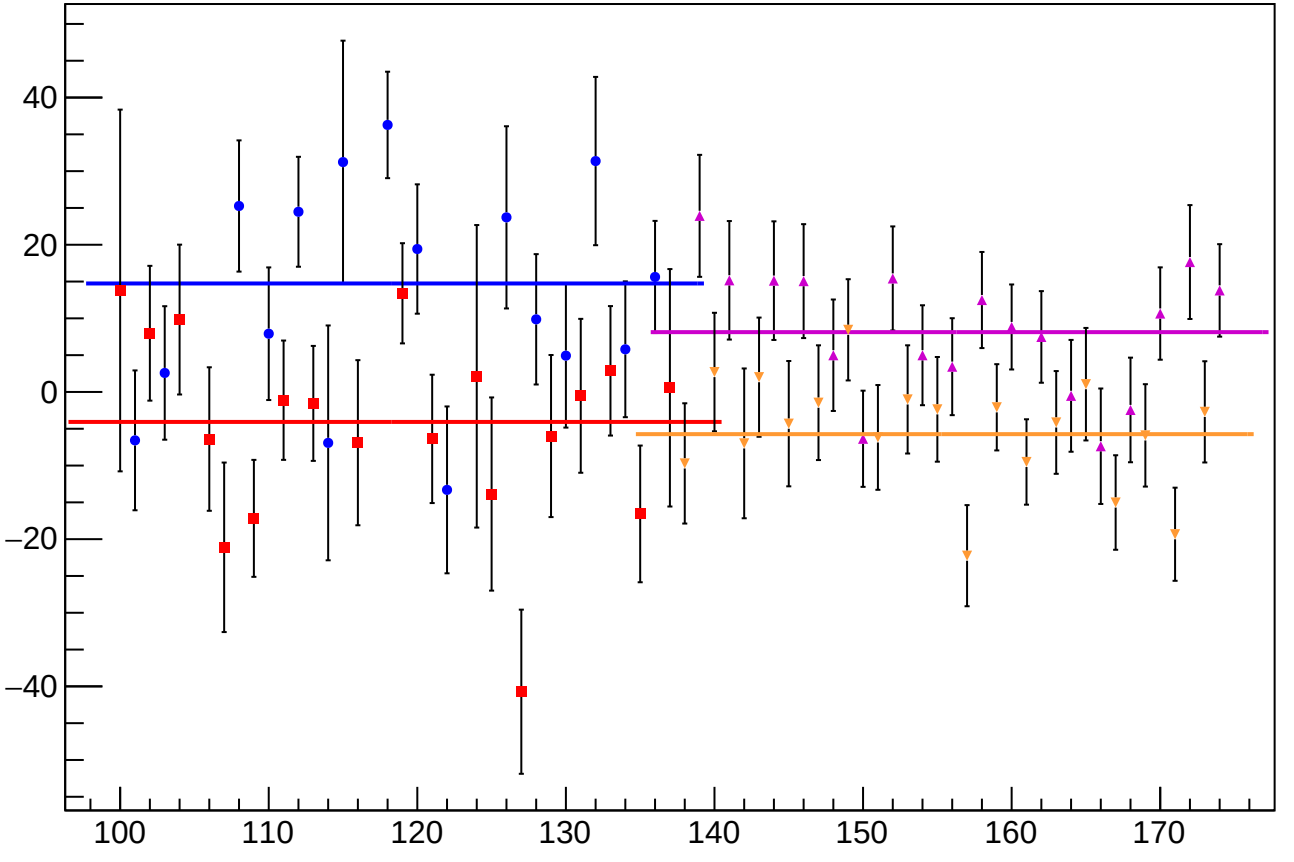
Left In: 1766.449+/-0.327 χ^2/NDF:505568.3/17

+ sign 1796.272+/-0.273 χ^2/NDF: 1253464.6/34

All: 1811.295+/-0.194 χ^2/NDF: 2248774.2/71

- 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: -5.732+/-1.636 χ^2/NDF:21.8/18

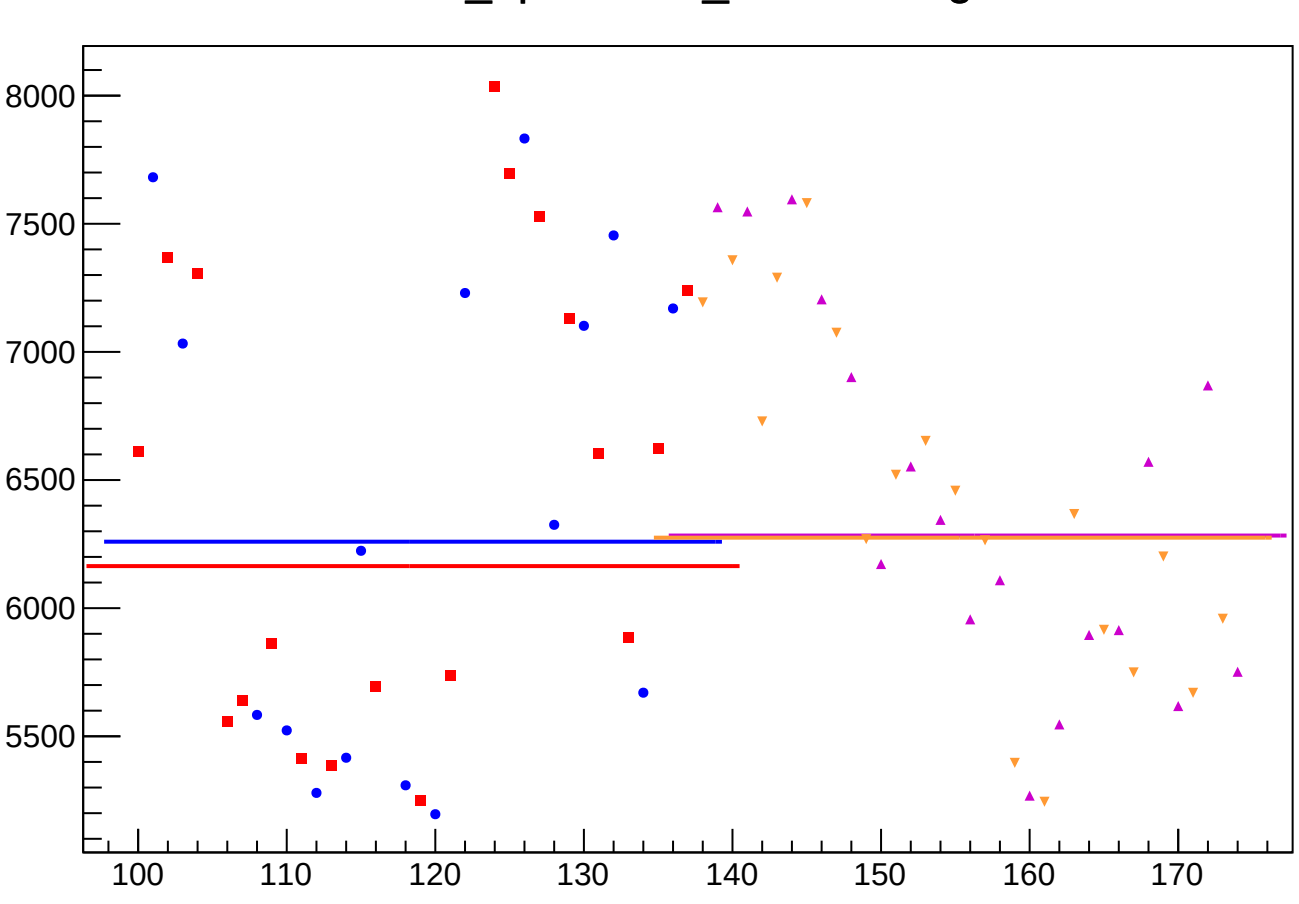
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 8.127+/-1.649 χ^2/NDF:23.2/17

+ sign 0.923+/-1.344 χ^2/NDF: 106.2/34

All: 2.434+/-0.947 χ^2/NDF: 181.0/71

- sign 3.923+/-1.335 χ^2/NDF: 72.2/36



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6275.135+/-1.157 χ^2/NDF:322896.0/18

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

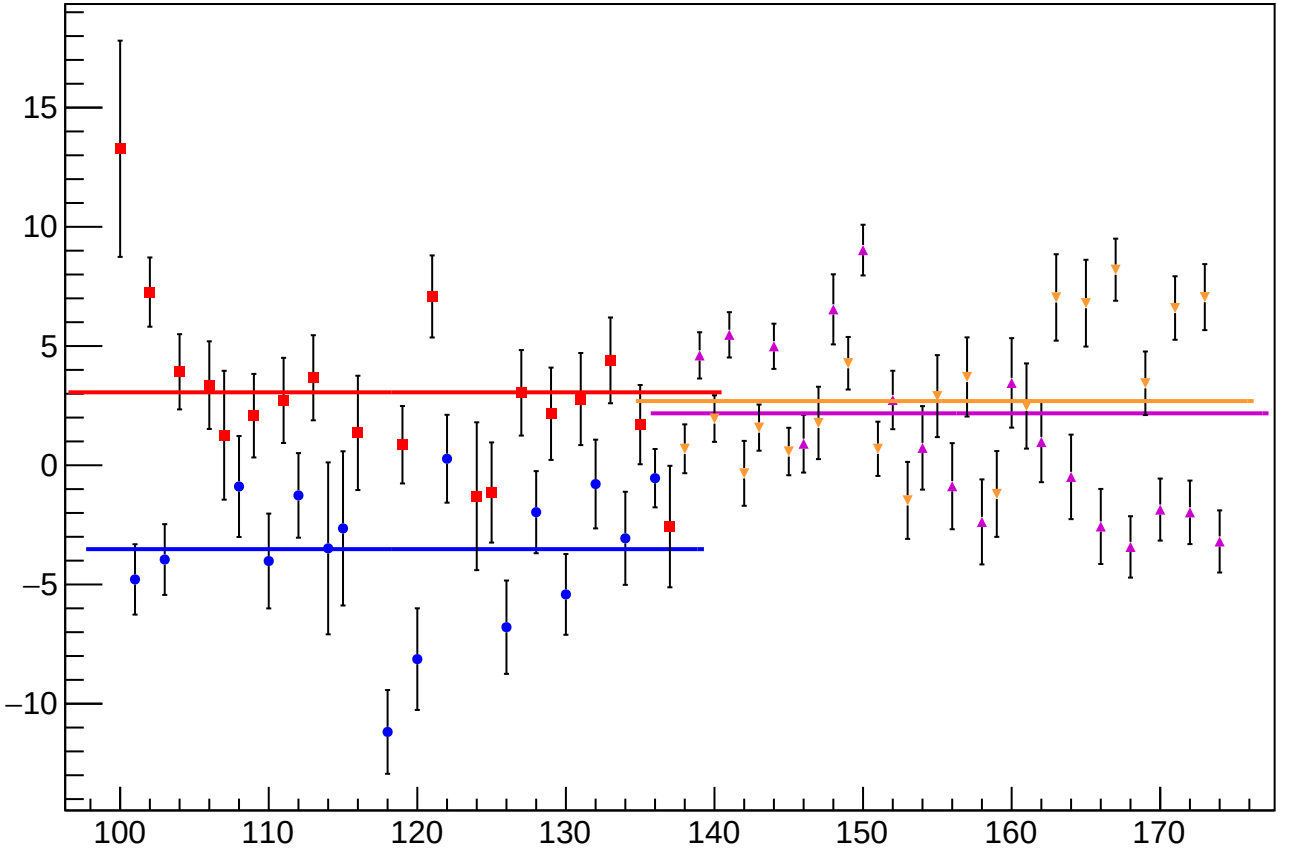
Left In: 6283.378+/-1.166 χ^2/NDF:352906.6/17

+ sign 6270.025+/-0.951 χ^2/NDF: 631562.8/34

All: 6256.056+/-0.670 χ^2/NDF: 1253561.4/71

- 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: 2.693+/-0.299 χ^2/NDF:80.0/18

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

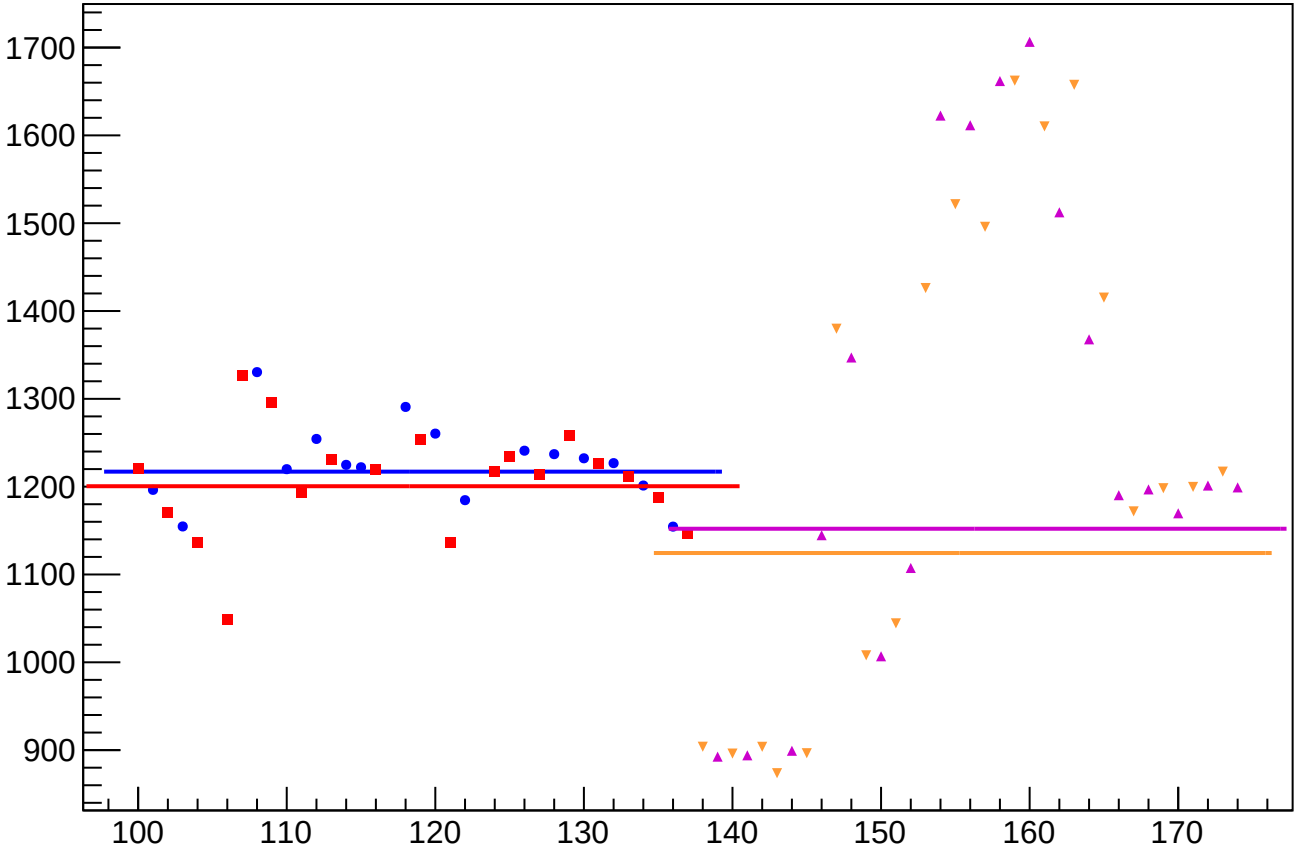
Left In: 2.178+/-0.307 χ^2/NDF:156.3/17

+ sign 0.807+/-0.249 χ^2/NDF: 256.3/34

All: 1.631+/-0.177 χ^2/NDF: 472.2/71

- 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: 1124.445+/-0.211 χ^2/NDF:1434672.1/18

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

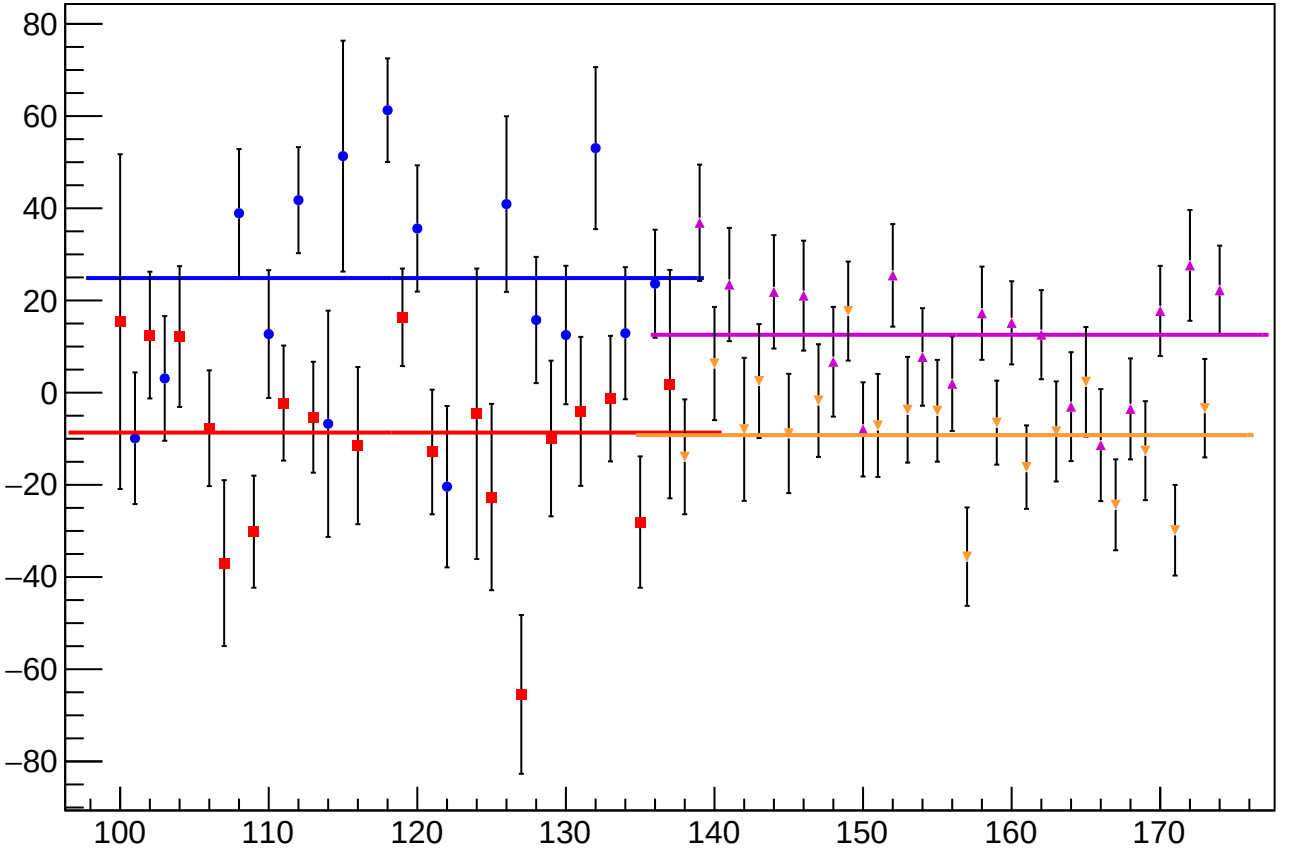
Left In: 1152.078+/-0.217 χ^2/NDF:1249913.1/17

+ sign 1152.582+/-0.176 χ^2/NDF: 1514763.3/34

All: 1160.226+/-0.125 χ^2/NDF: 2822502.7/71

- 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: -9.208+/-2.535 χ^2/NDF:24.7/18

Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

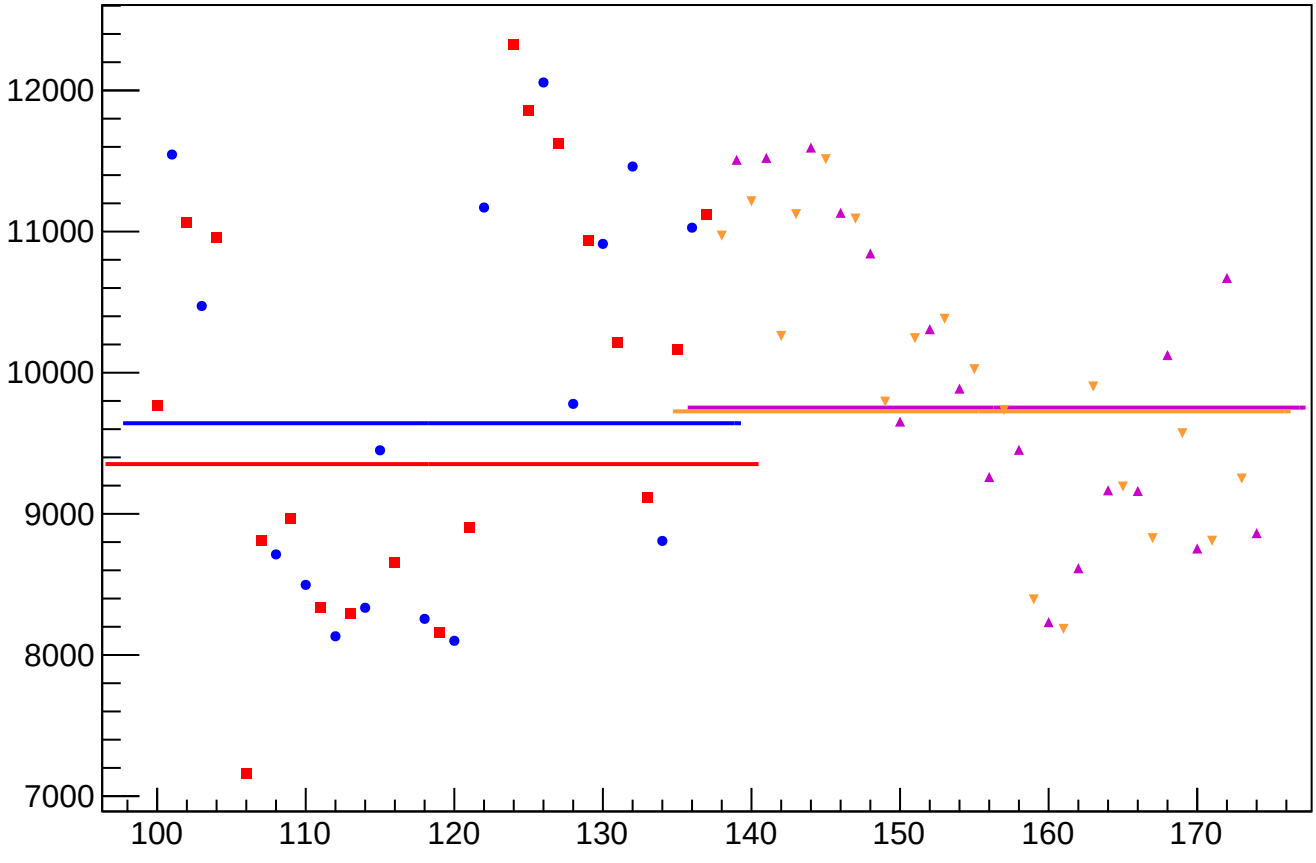
Left In: 12.556+/-2.558 χ^2/NDF:23.4/17

\+ sign 1.970+/-2.078 χ^2/NDF: 122.1/34

All: 3.523+/-1.461 χ^2/NDF: 201.1/71

\- sign 5.041+/-2.056 χ^2/NDF: 77.9/36

diff_bpm0l07X_rms vs Slug



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9726.120+/-1.793 χ^2/NDF:296433.4/18

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

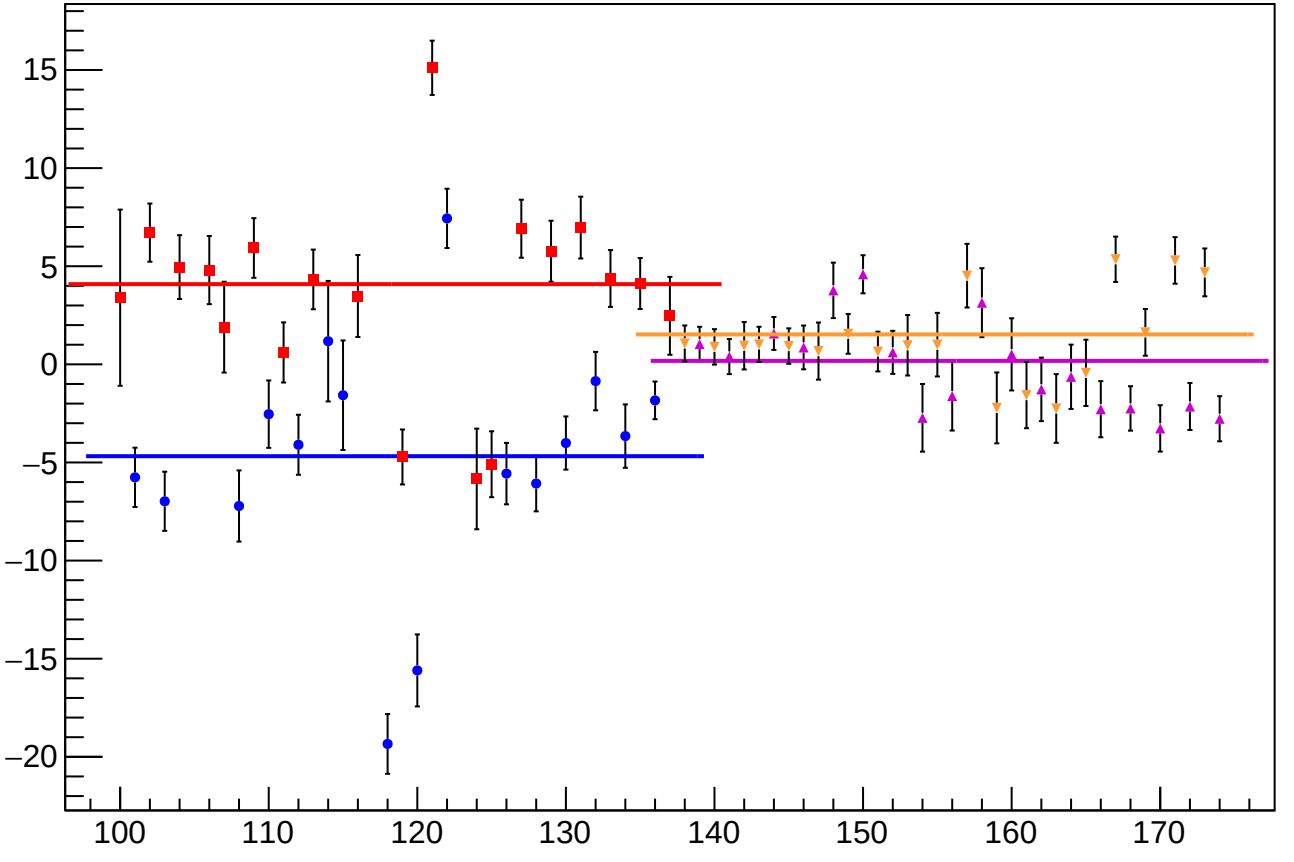
Left In: 9752.794+/-1.809 χ^2/NDF:326413.4/17

+ sign 9698.543+/-1.469 χ^2/NDF: 576812.0/34

All: 9654.292+/-1.033 χ^2/NDF: 1224148.3/71

- sign 9610.999+/-1.453 χ^2/NDF: 645542.3/36

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.525+/-0.274 χ^2/NDF:47.9/18

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

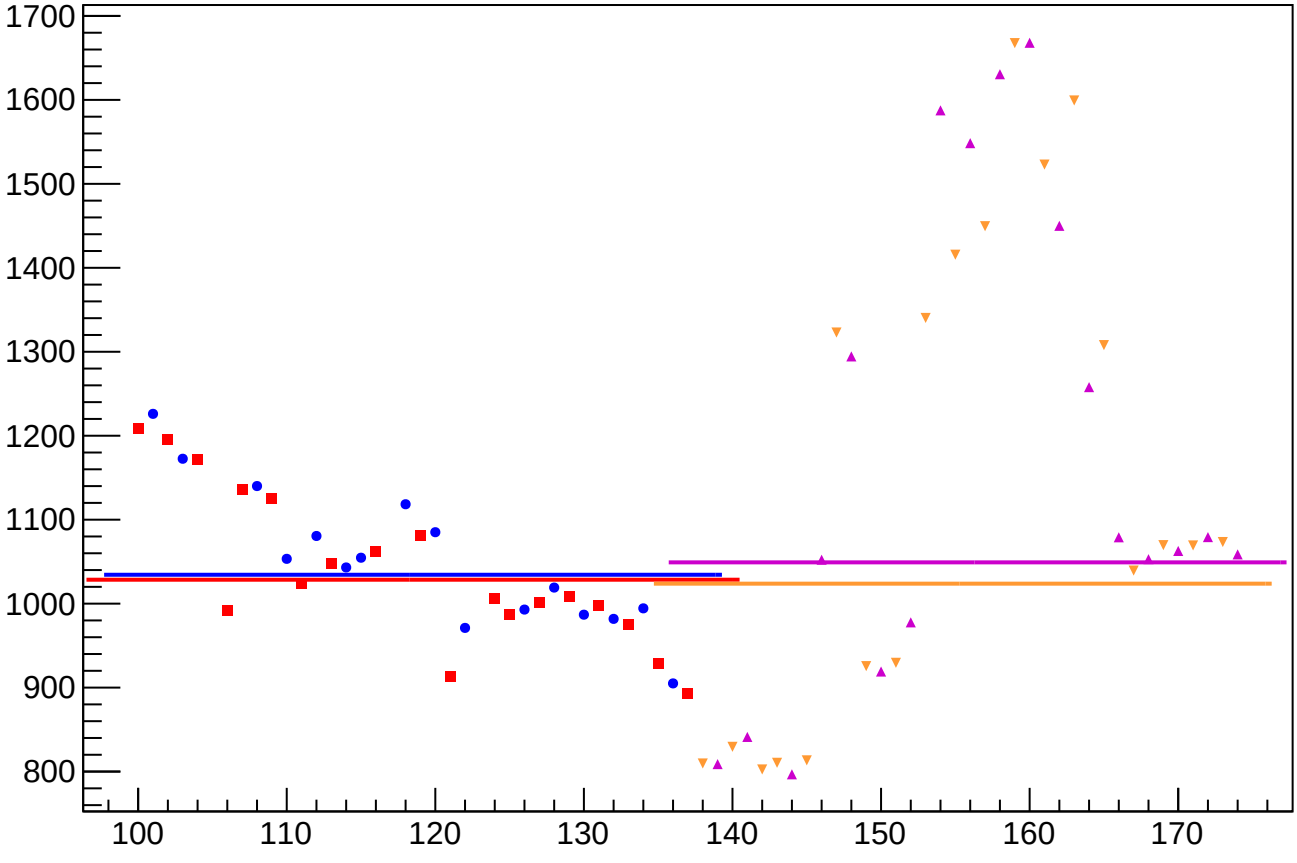
Left In: 0.177+/-0.281 χ^2/NDF:65.7/17

+ sign -0.553+/-0.223 χ^2/NDF: 441.2/34

All: 0.503+/-0.159 χ^2/NDF: 789.3/71

- 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: 1023.791+/-0.194 χ^2/NDF:1661842.3/18

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

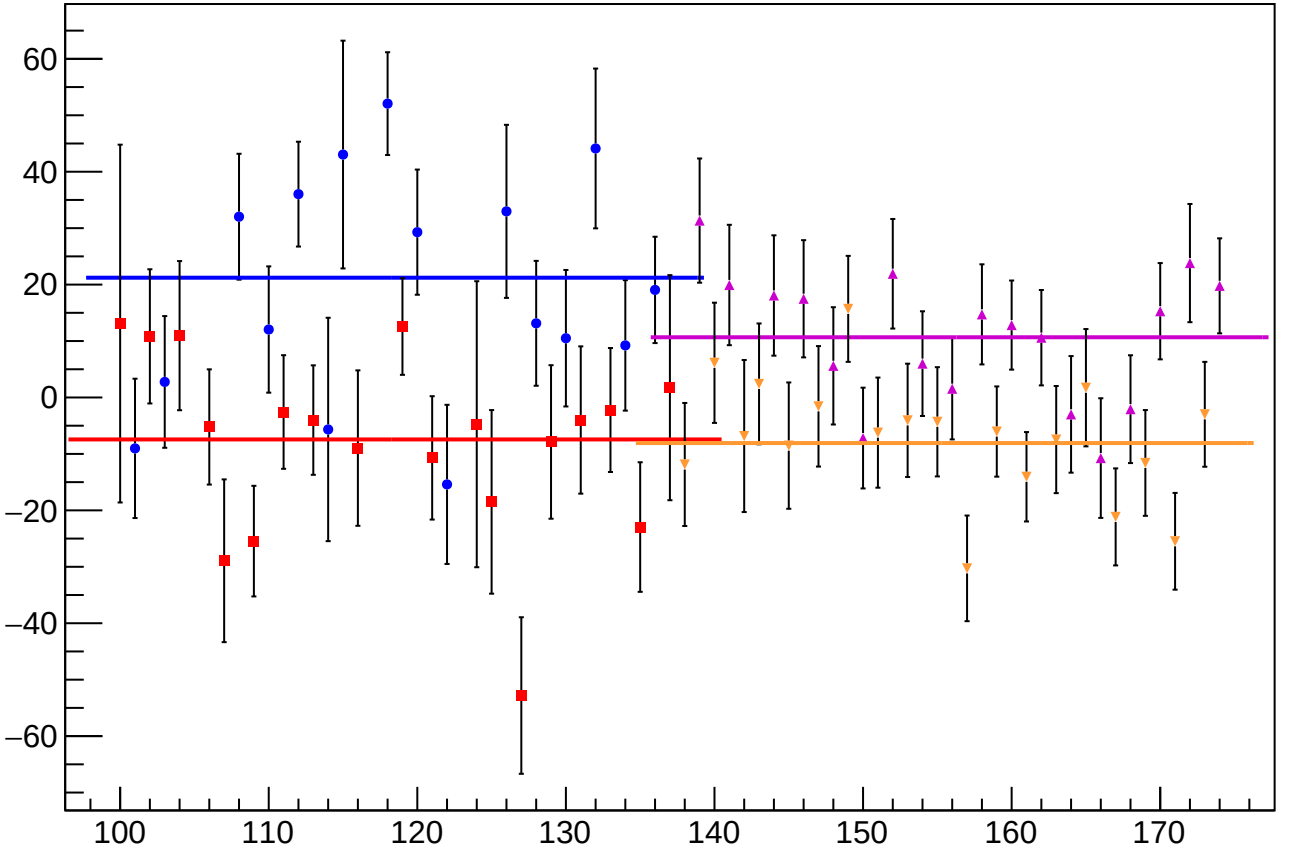
Left In: 1049.165+/-0.199 χ^2/NDF:1502881.0/17

+ sign 1027.344+/-0.158 χ^2/NDF: 1776127.4/34

All: 1034.483+/-0.112 χ^2/NDF: 3388630.7/71

- 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: -8.074+/-2.213 χ^2/NDF:24.0/18

Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

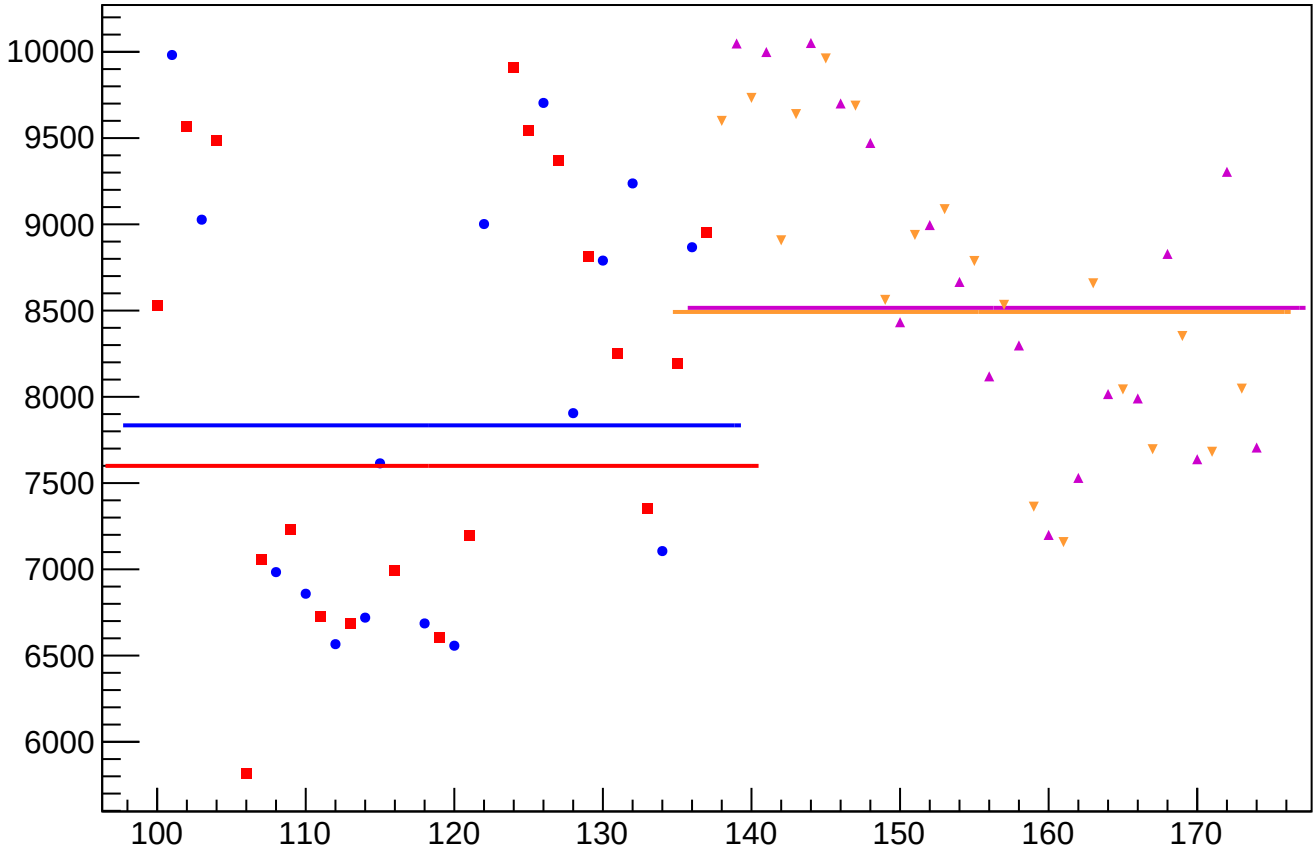
Left In: 10.669+/-2.233 χ^2/NDF:23.0/17

+ sign 2.468+/-1.771 χ^2/NDF: 127.2/34

All: 3.073+/-1.244 χ^2/NDF: 205.6/71

- sign 3.662+/-1.748 χ^2/NDF: 78.2/36

diff_bpm0l08X_rms vs Slug



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8492.046+/-1.565 χ^2/NDF:286543.6/18

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

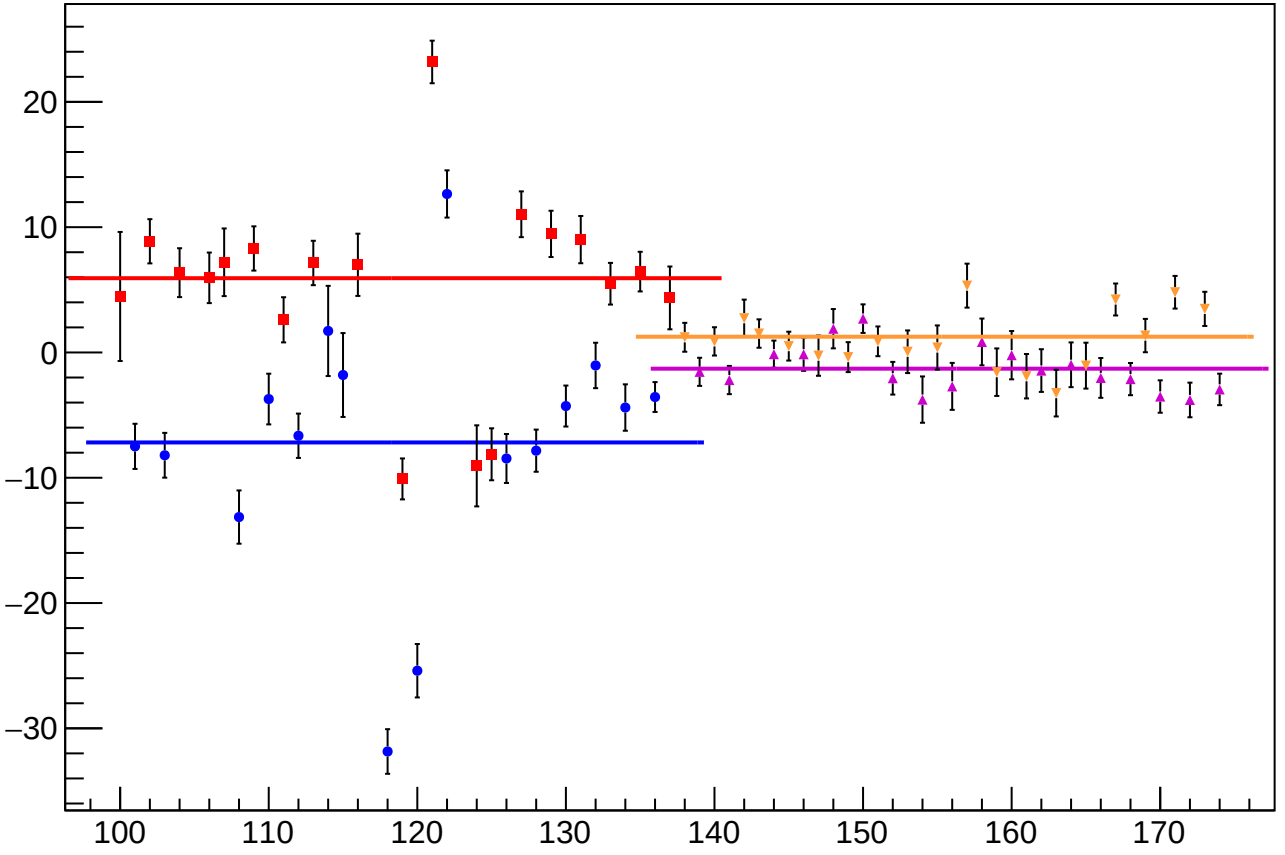
Left In: 8515.827+/-1.579 χ^2/NDF:318225.9/17

+ sign 8255.466+/-1.252 χ^2/NDF: 668141.6/34

All: 8207.782+/-0.880 χ^2/NDF: 1463798.5/71

- 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: 1.257+/-0.319 χ^2/NDF:38.9/18

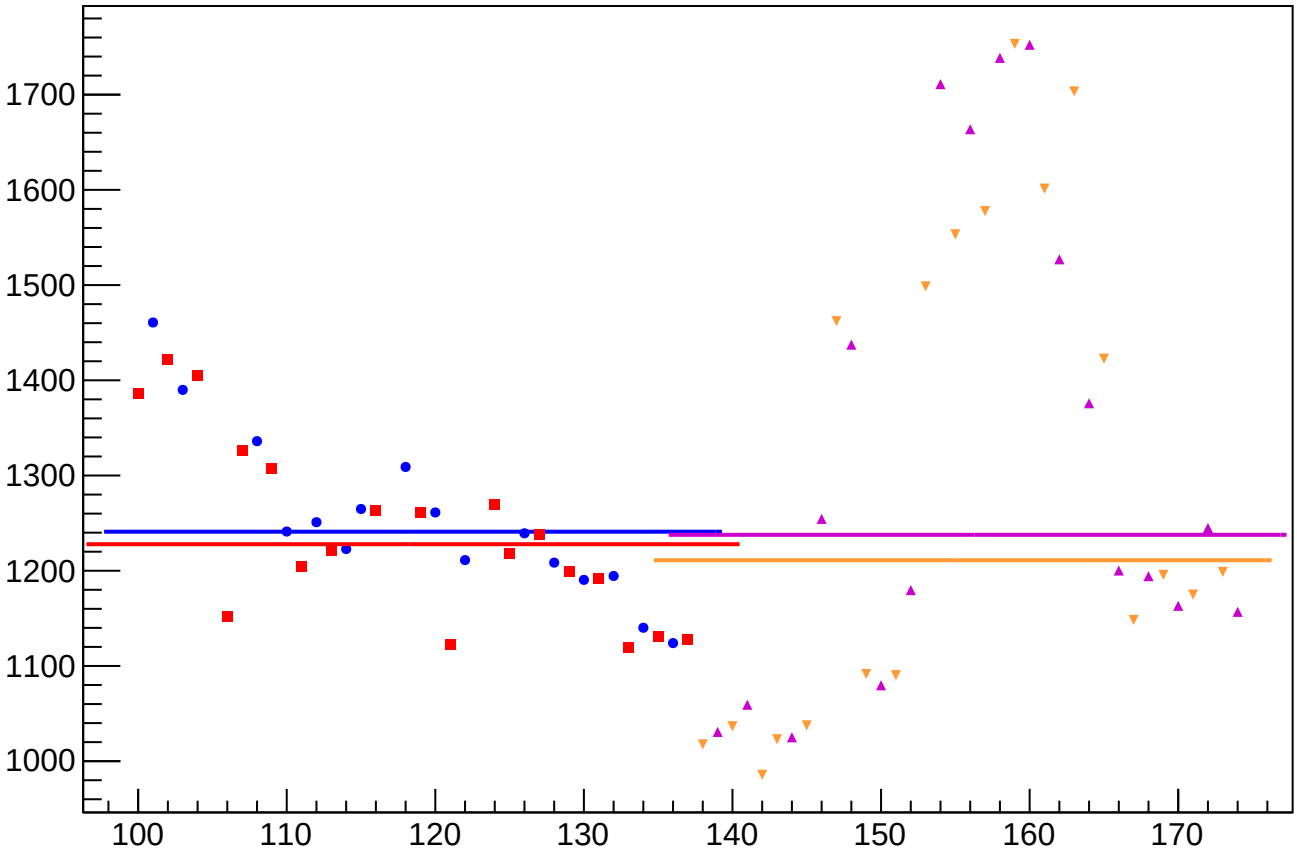
Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: -1.294+/-0.328 χ^2/NDF:32.0/17

+ sign -1.470+/-0.263 χ^2/NDF: 686.7/34

All: -0.138+/-0.186 χ^2/NDF: 1229.5/71

- 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: 1211.019+/-0.226 χ^2/NDF:993317.7/18

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

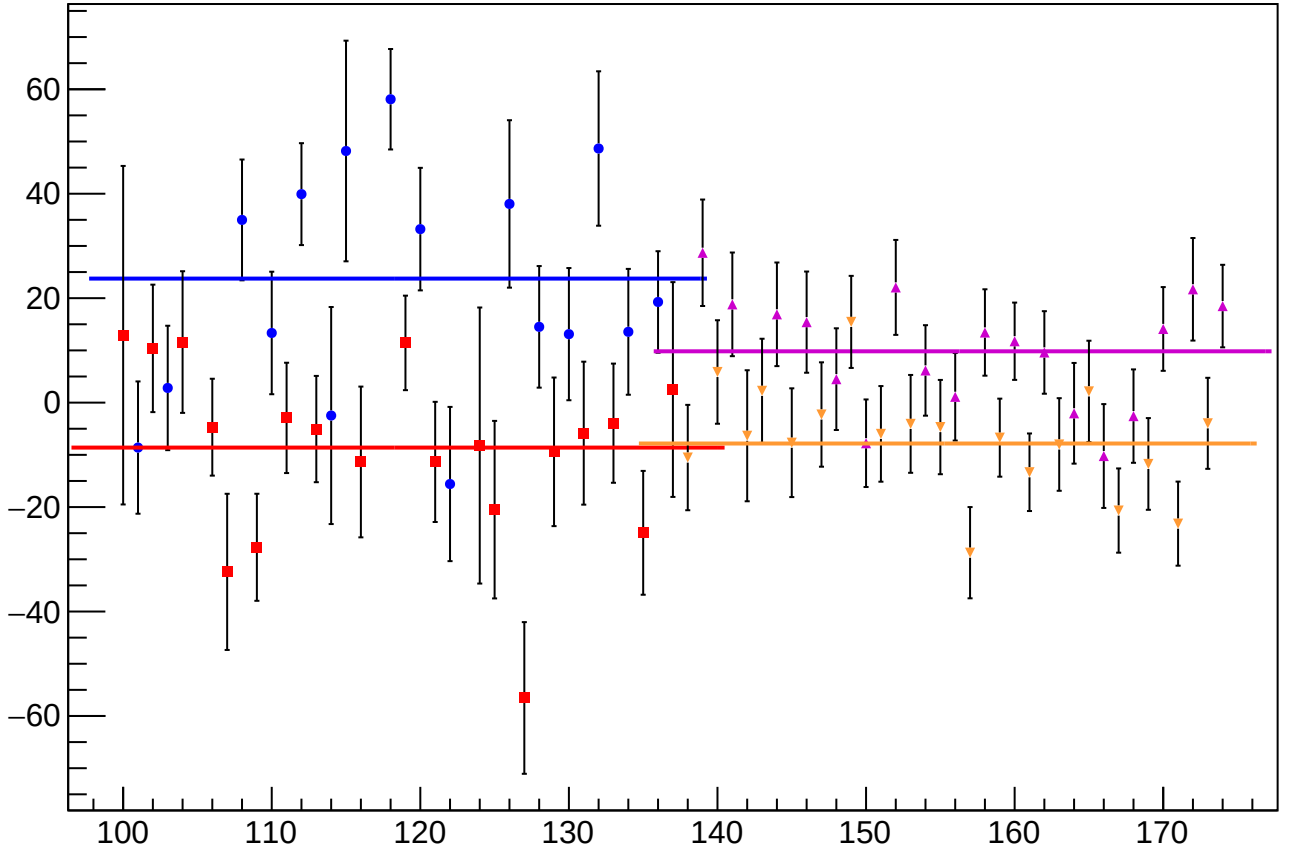
Left In: 1237.741+/-0.232 χ^2/NDF:879814.5/17

+ sign 1220.709+/-0.186 χ^2/NDF: 1079666.4/34

All: 1227.463+/-0.132 χ^2/NDF: 2045111.4/71

- 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: -7.829+/-2.069 χ^2/NDF:24.5/18

Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

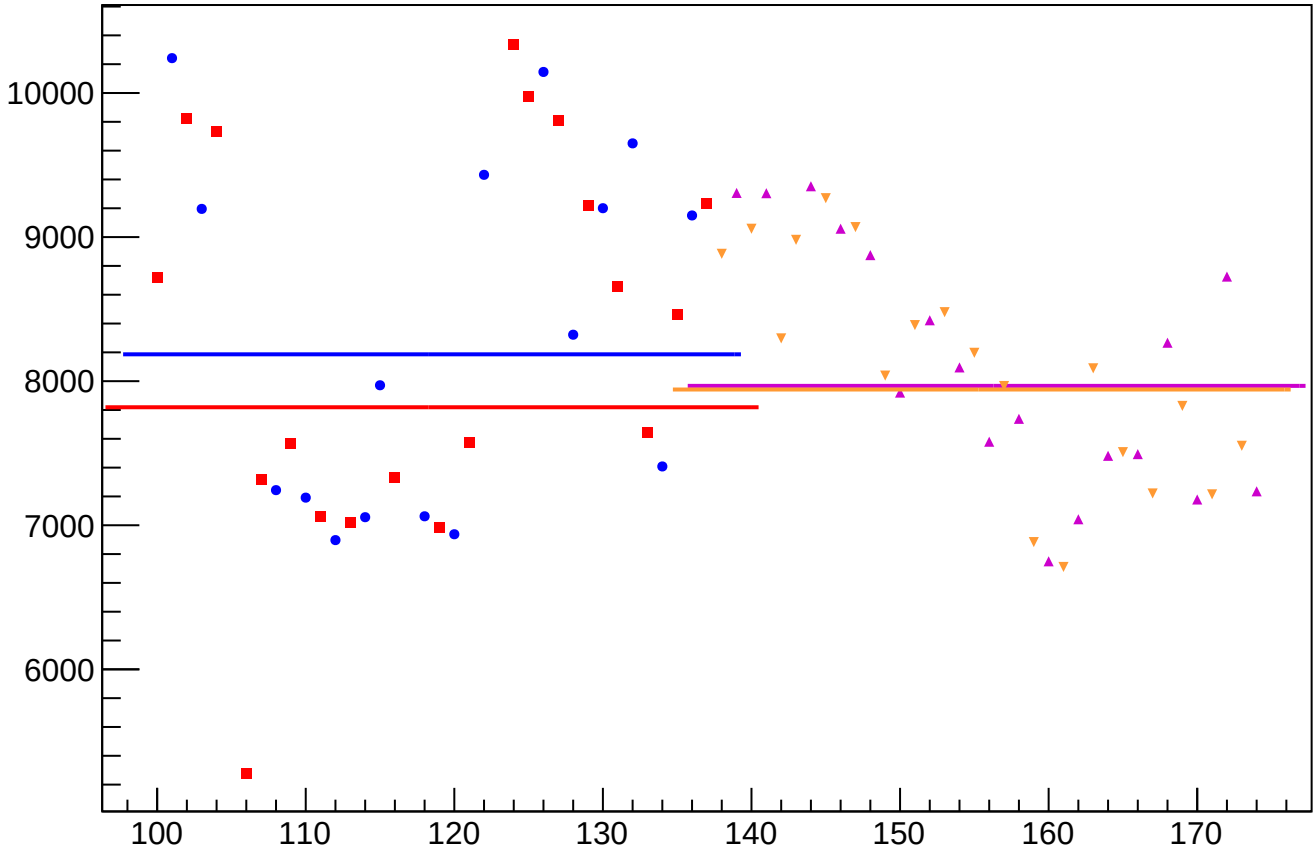
Left In: 9.826+/-2.089 χ^2/NDF:23.6/17

+ sign 1.985+/-1.718 χ^2/NDF: 140.3/34

All: 2.767+/-1.206 χ^2/NDF: 221.4/71

- sign 3.527+/-1.695 χ^2/NDF: 80.7/36

diff_bpm0l09X_rms vs Slug



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 7942.093+/-1.463 χ^2/NDF:273687.3/18

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

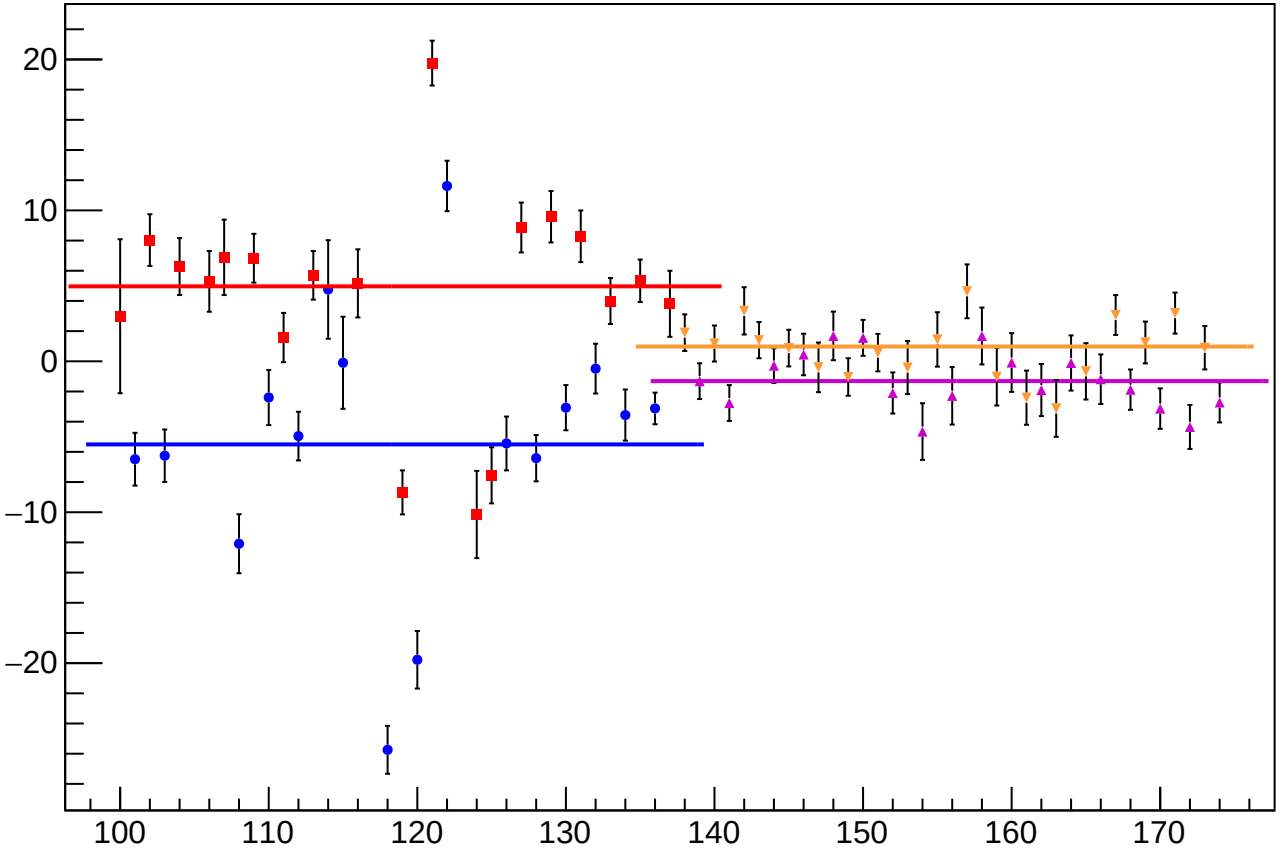
Left In: 7967.398+/-1.477 χ^2/NDF:305779.3/17

+ sign 8018.011+/-1.215 χ^2/NDF: 572977.9/34

All: 7966.655+/-0.853 χ^2/NDF: 1308733.8/71

- 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: 0.978+/-0.332 χ^2/NDF:26.7/18

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

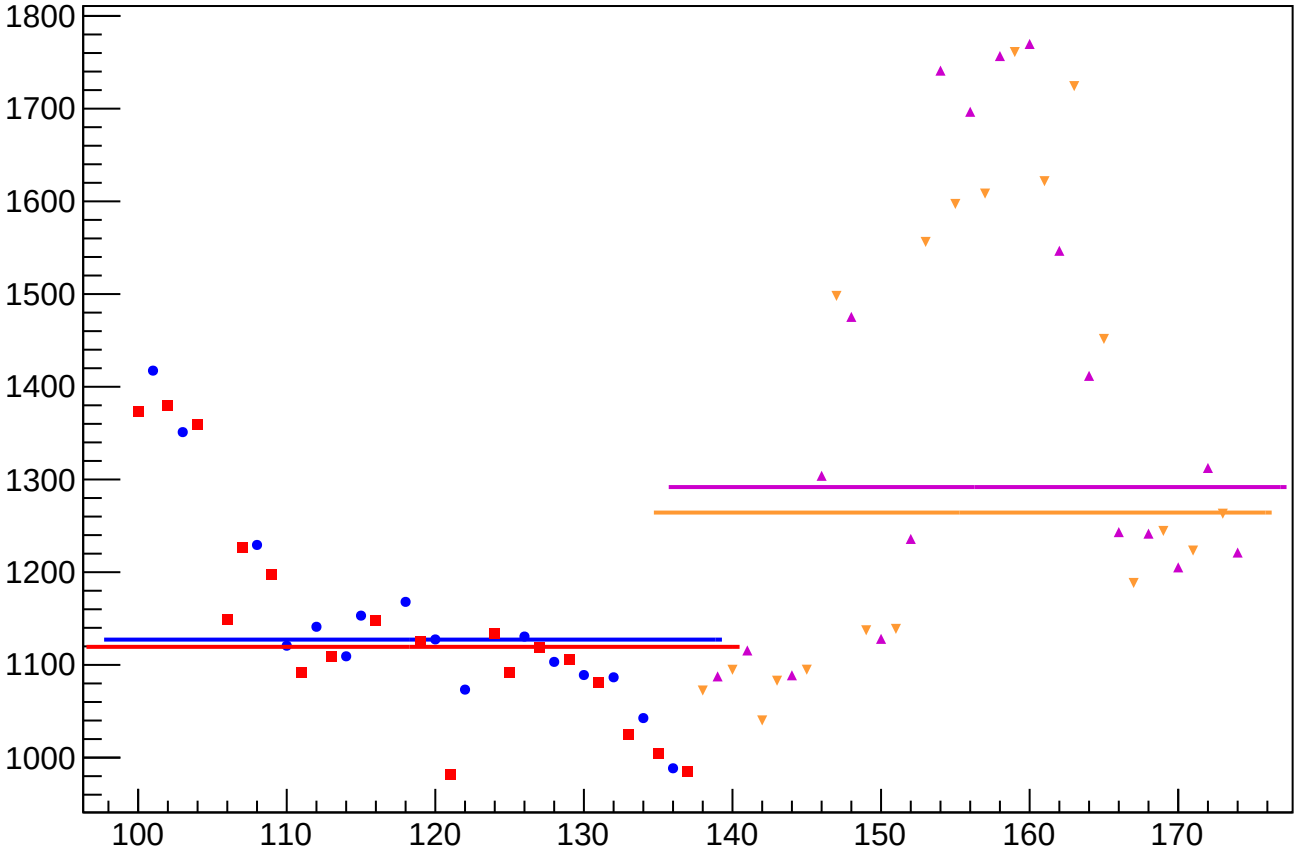
Left In: -1.310+/-0.341 χ^2/NDF:27.9/17

+ sign -1.514+/-0.261 χ^2/NDF: 542.7/34

All: -0.137+/-0.185 χ^2/NDF: 1052.3/71

- 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: 1264.322+/-0.235 χ^2/NDF:858492.2/18

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

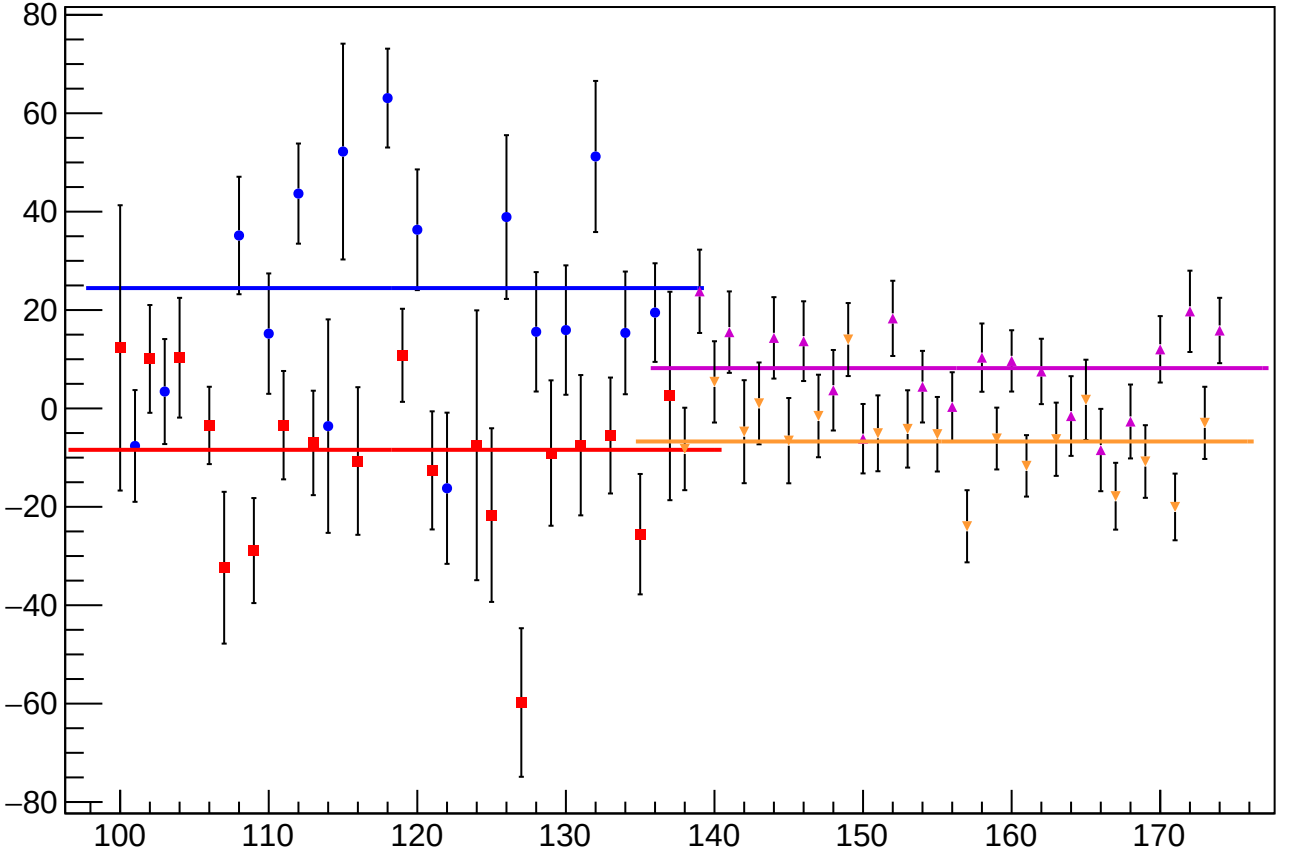
Left In: 1291.829+/-0.241 χ^2/NDF:752184.5/17

+ sign 1211.666+/-0.184 χ^2/NDF: 1129655.2/34

All: 1216.539+/-0.131 χ^2/NDF: 2232771.3/71

- 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: -6.716+/-1.737 χ^2/NDF:25.8/18

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

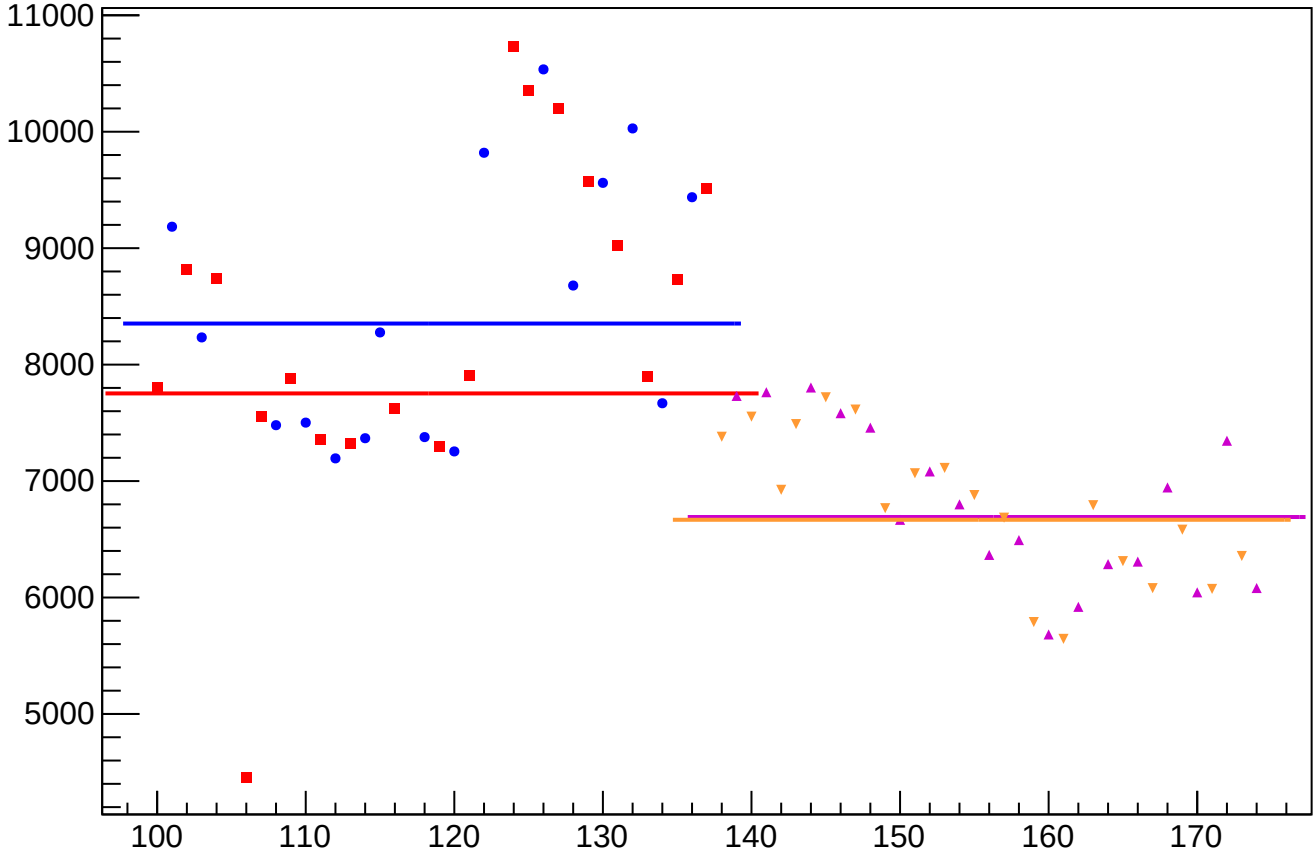
Left In: 8.194+/-1.753 χ^2/NDF:24.1/17

+ sign 0.601+/-1.519 χ^2/NDF: 149.8/34

All: 2.185+/-1.067 χ^2/NDF: 231.3/71

- 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: 6667.643+/-1.228 χ^2/NDF:258016.1/18

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

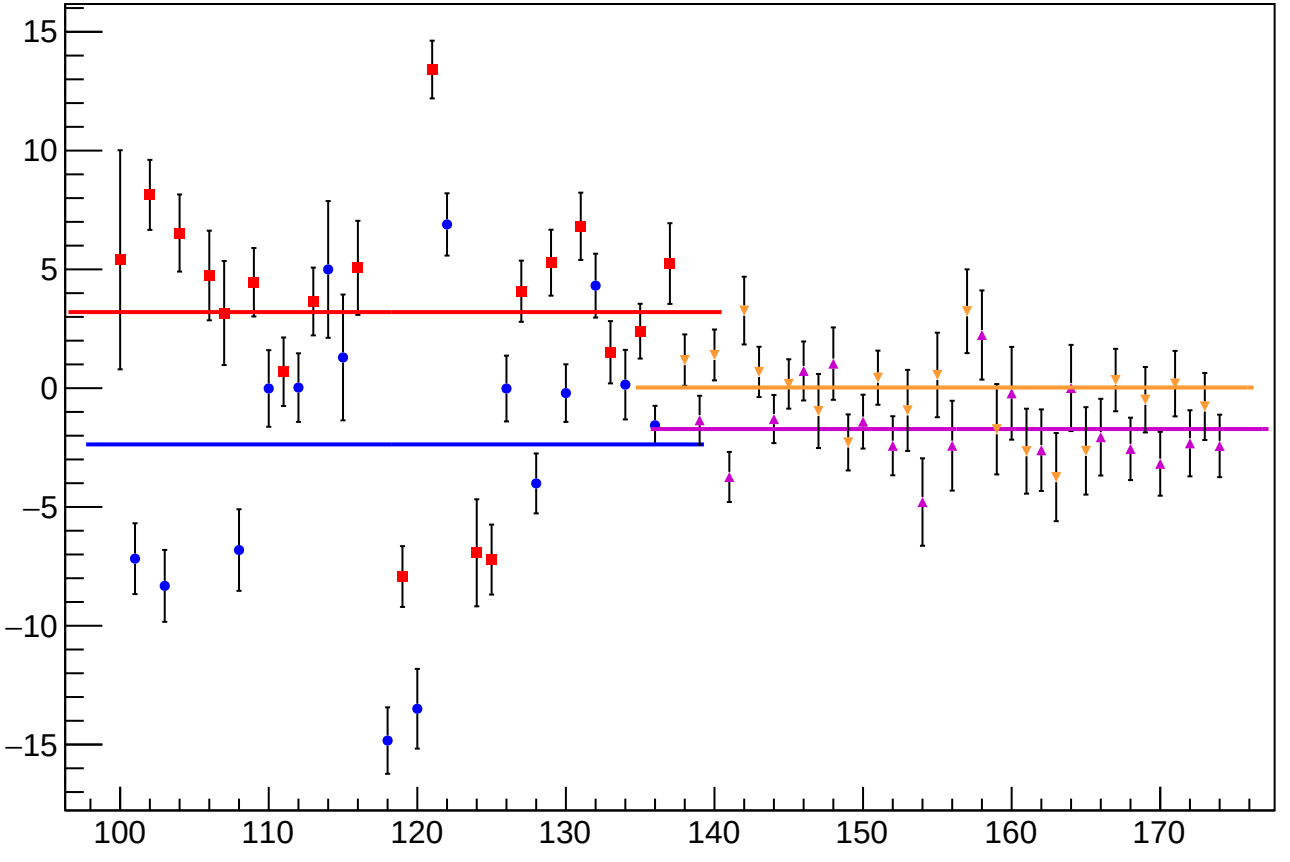
Left In: 6691.367+/-1.240 χ^2/NDF:291827.3/17

+ sign 7063.092+/-1.074 χ^2/NDF: 920349.3/34

All: 7019.372+/-0.755 χ^2/NDF: 2000571.5/71

- 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: 0.029+/-0.313 χ^2/NDF:26.3/18

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

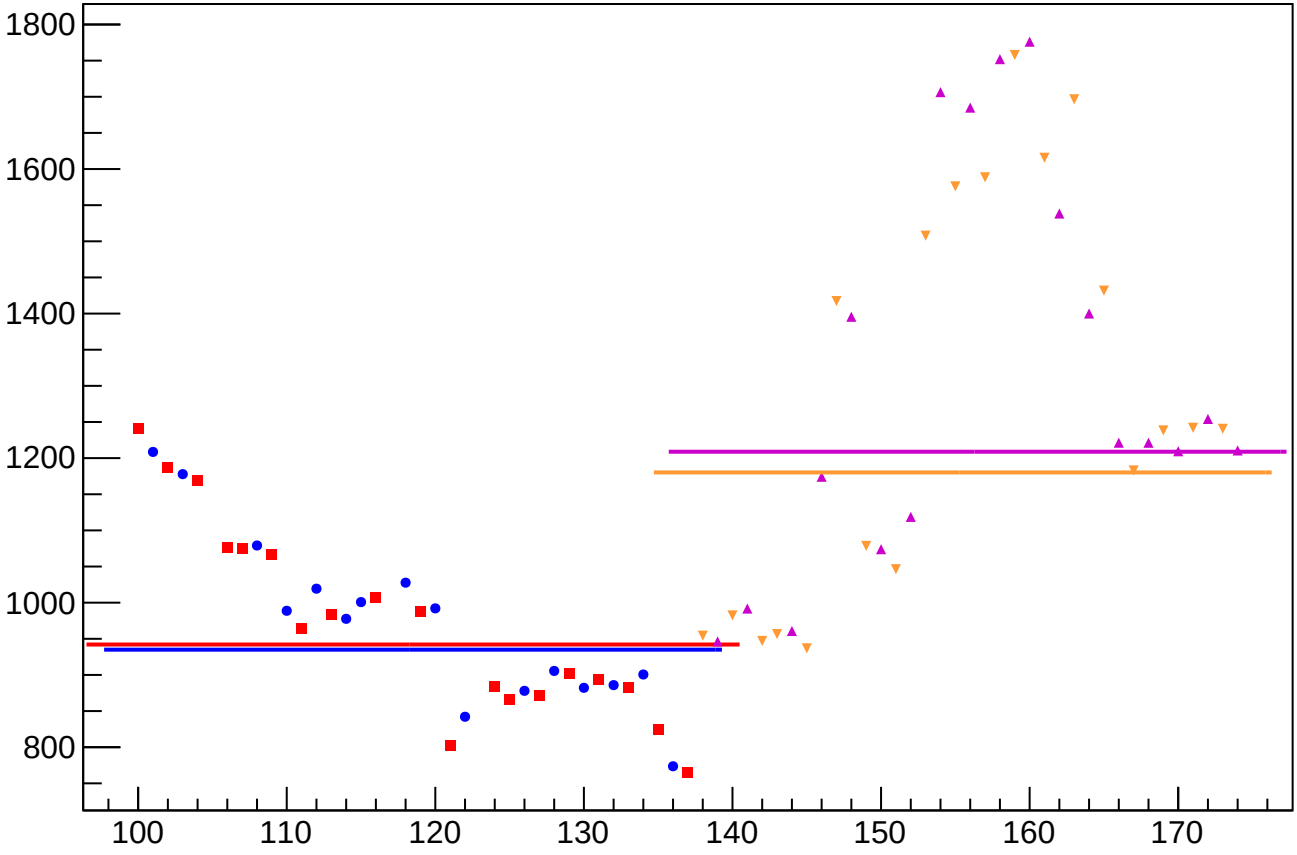
Left In: -1.720+/-0.321 χ^2/NDF:22.8/17

+ sign -1.033+/-0.233 χ^2/NDF: 307.9/34

All: -0.247+/-0.166 χ^2/NDF: 712.8/71

- 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: 1180.206+/-0.221 χ^2/NDF:1283346.6/18

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

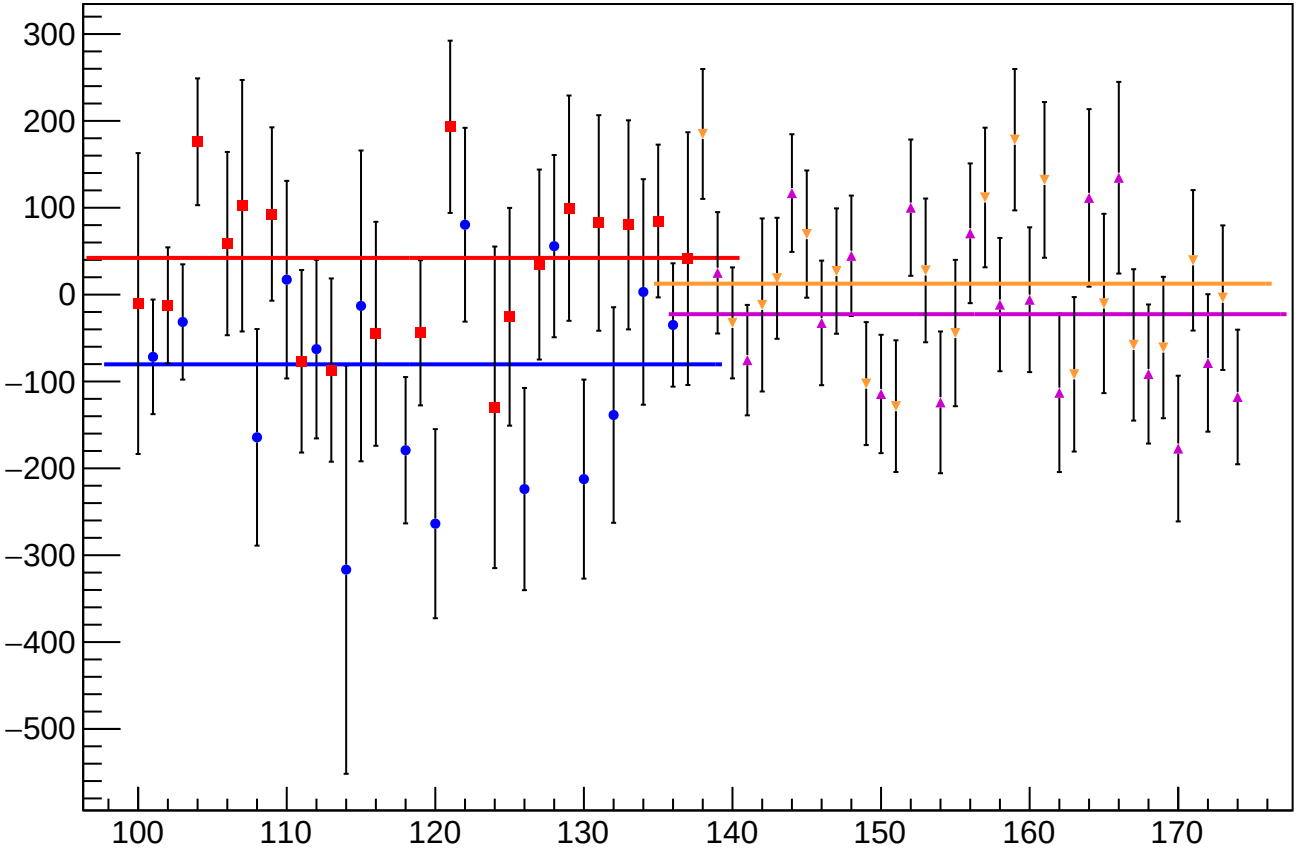
Left In: 1208.855+/-0.227 χ^2/NDF:1113080.3/17

+ sign 1071.522+/-0.165 χ^2/NDF: 2083010.0/34

All: 1078.476+/-0.117 χ^2/NDF: 4070123.5/71

- 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: 12.616+/-18.256 χ^2/NDF:23.6/18

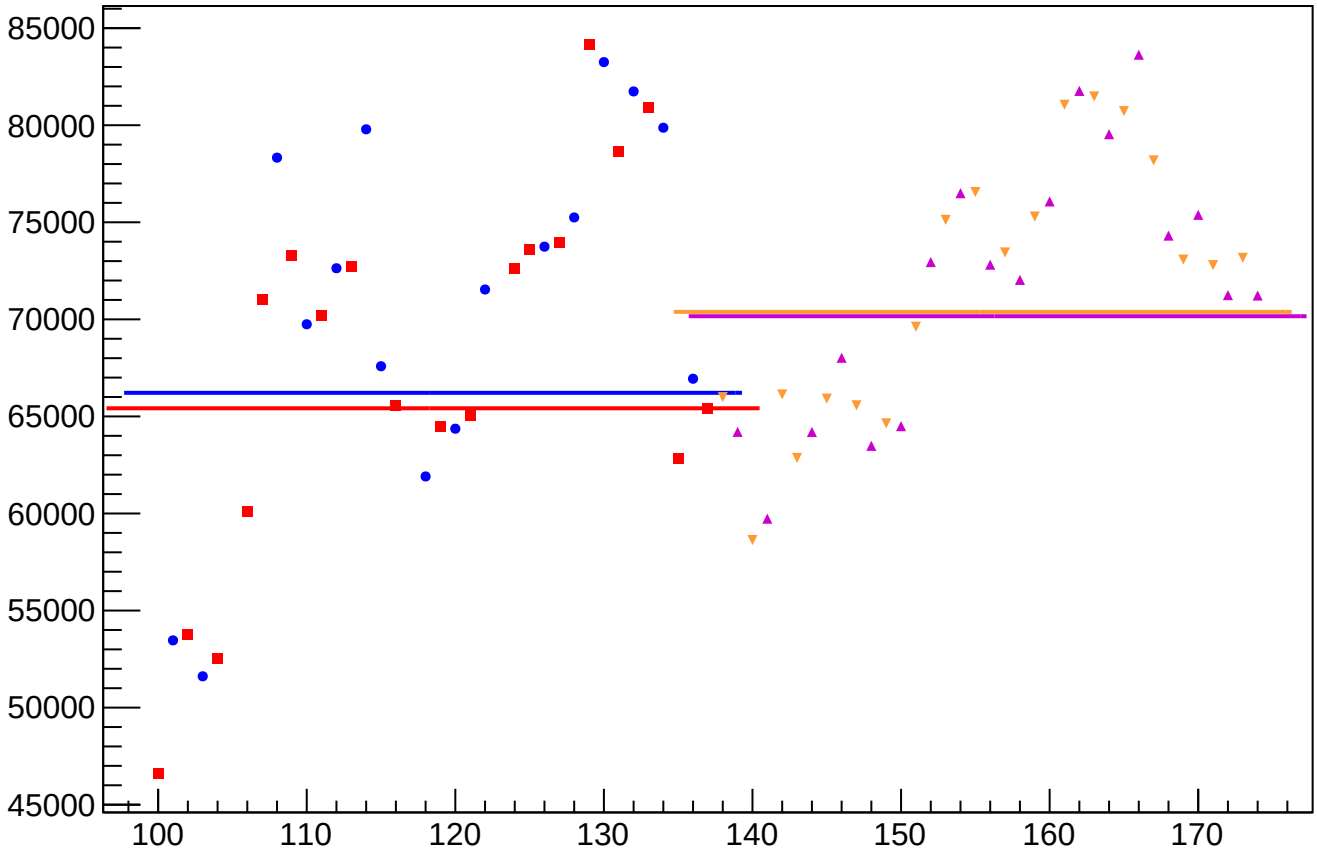
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -22.535+/-18.282 χ^2/NDF:24.4/17

+ sign -19.837+/-14.725 χ^2/NDF: 47.4/34

All: -9.272+/-10.359 χ^2/NDF: 90.5/71

- 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: 70386.722+/-12.909 χ^2/NDF:260534.3/18

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

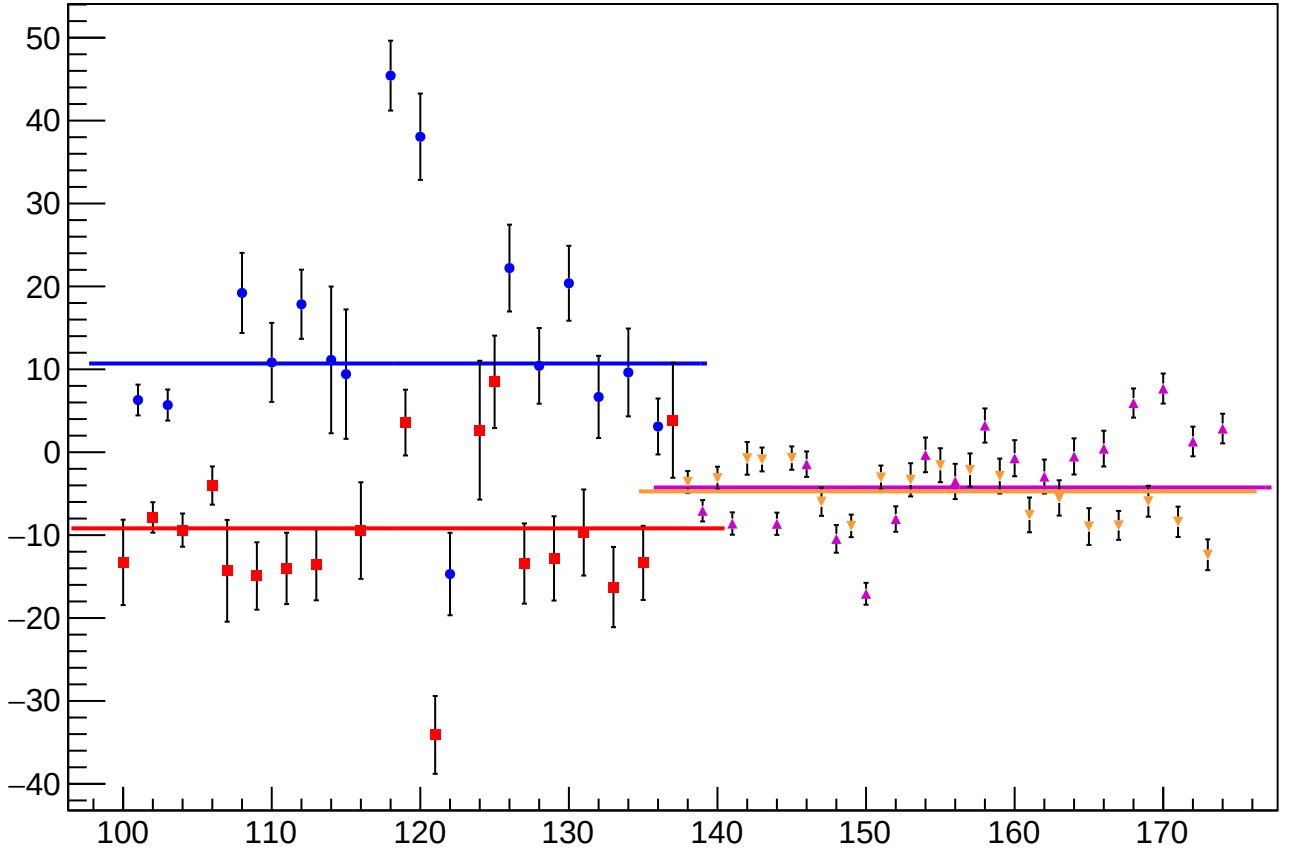
Left In: 70160.726+/-12.928 χ^2/NDF:238914.5/17

+ sign 68929.273+/-10.412 χ^2/NDF: 635386.8/34

All: 68678.397+/-7.325 χ^2/NDF: 1229043.8/7

- 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: -4.718+/-0.391 χ^2/NDF:70.5/18

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

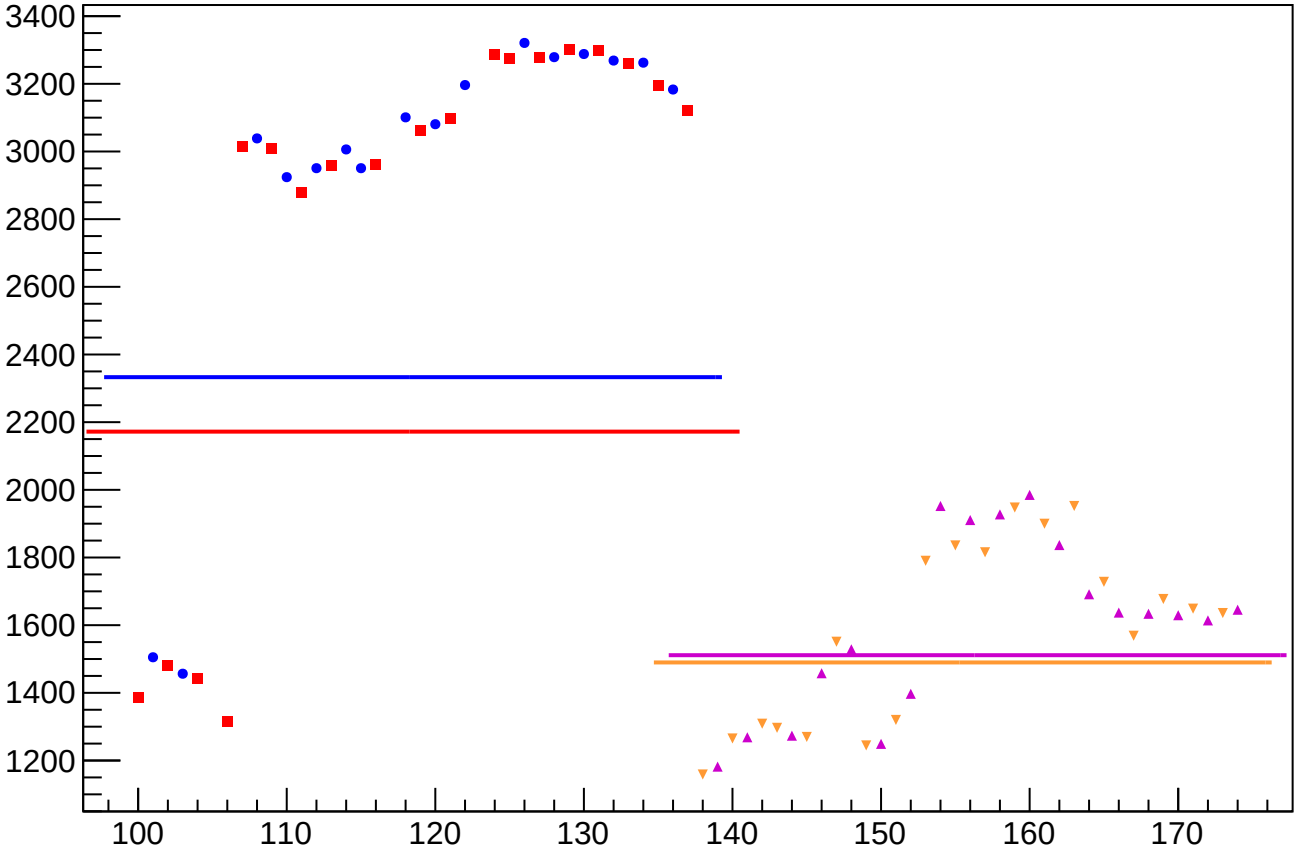
Left In: -4.249+/-0.398 χ^2/NDF:273.4/17

+ sign -2.360+/-0.360 χ^2/NDF: 463.8/34

All: -3.745+/-0.255 χ^2/NDF: 864.1/71

- 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: 1489.849+/-0.277 χ^2/NDF:872716.5/18

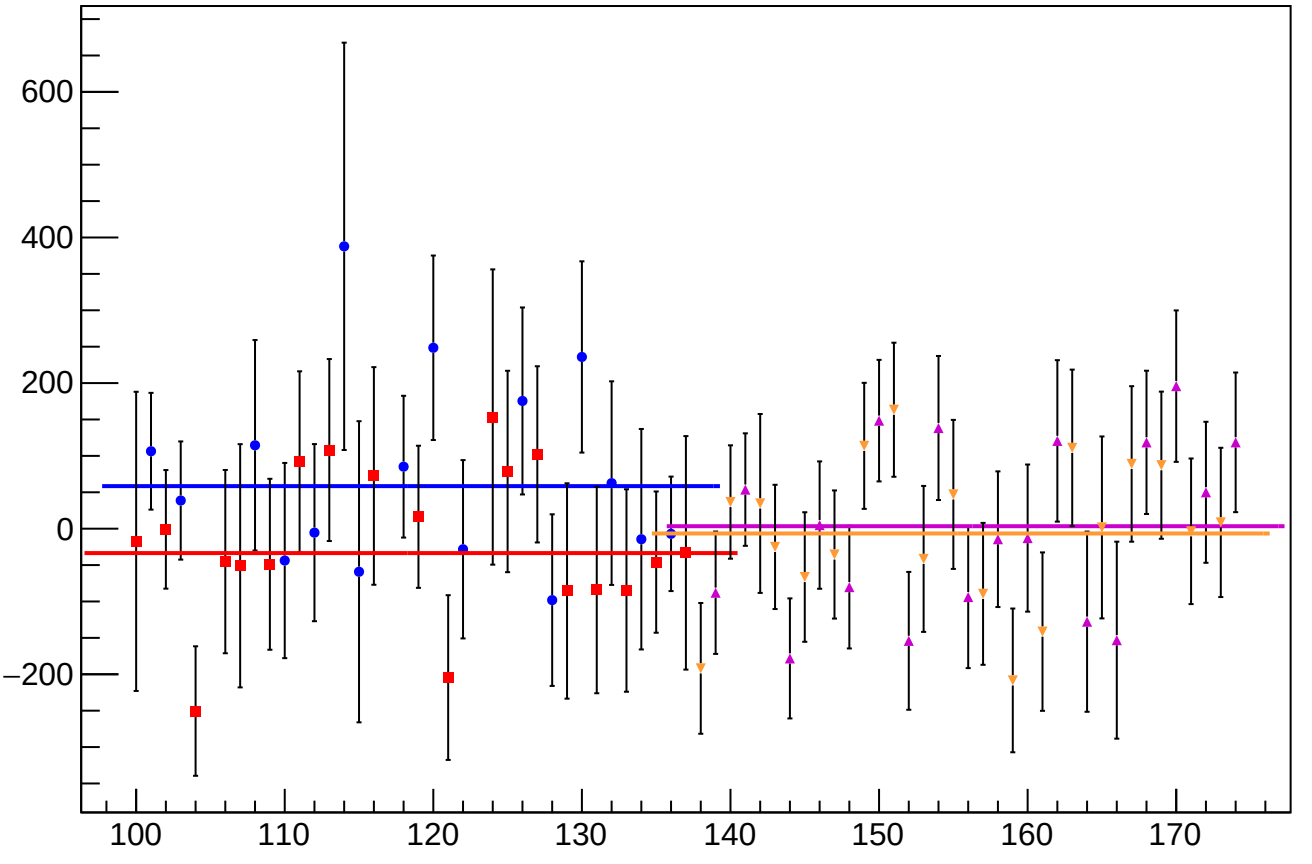
Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1511.275+/-0.282 χ^2/NDF:793599.8/17

+ sign 1618.772+/-0.255 χ^2/NDF: 3945474.1/34

All: 1624.507+/-0.180 χ^2/NDF: 7714940.6/71

- sign 1630.267+/-0.255 χ^2/NDF: 3768449.0/36



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -6.587+/-22.263 χ^2/NDF:20.3/18

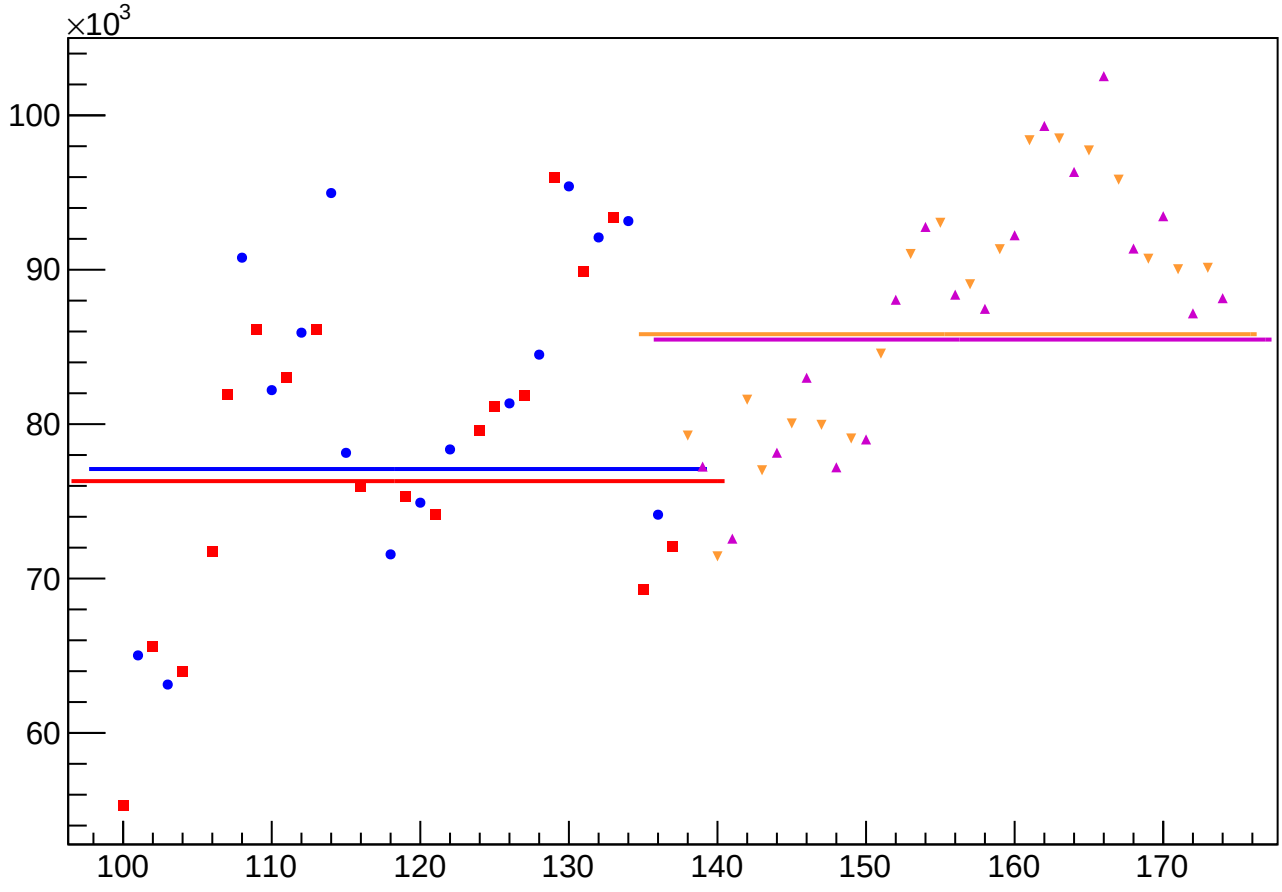
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 3.381+/-22.280 χ^2/NDF:26.2/17

+ sign 17.614+/-17.641 χ^2/NDF: 34.8/34

All: 3.231+/-12.409 χ^2/NDF: 78.0/71

- 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: 85825.559+/-15.742 χ^2/NDF:258183.0/18

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

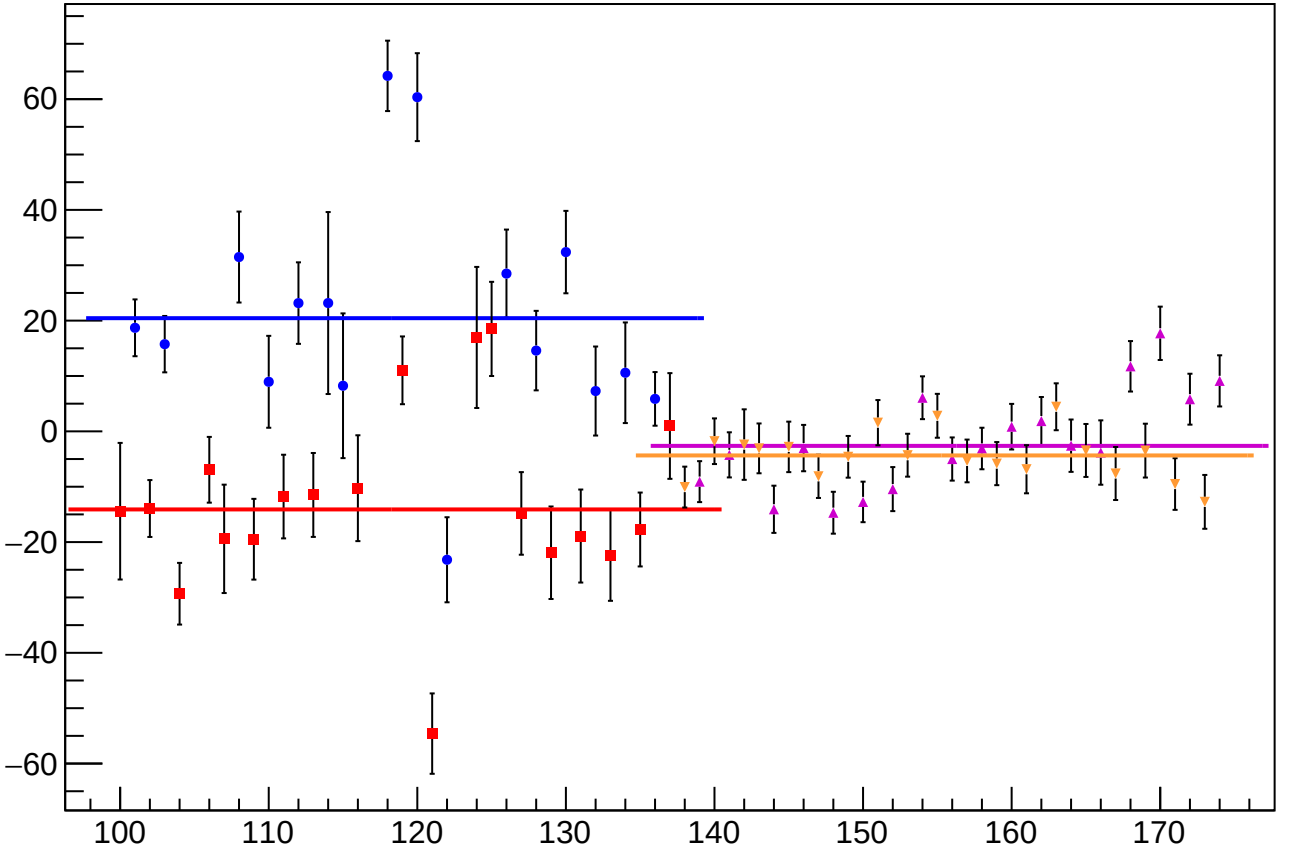
Left In: 85476.653+/-15.754 χ^2/NDF:246926.0/17

+ sign 82575.848+/-12.474 χ^2/NDF: 621234.1/34

All: 82254.028+/-8.775 χ^2/NDF: 1234597.7/7

- 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: -4.350+/-0.981 χ^2/NDF:18.9/18

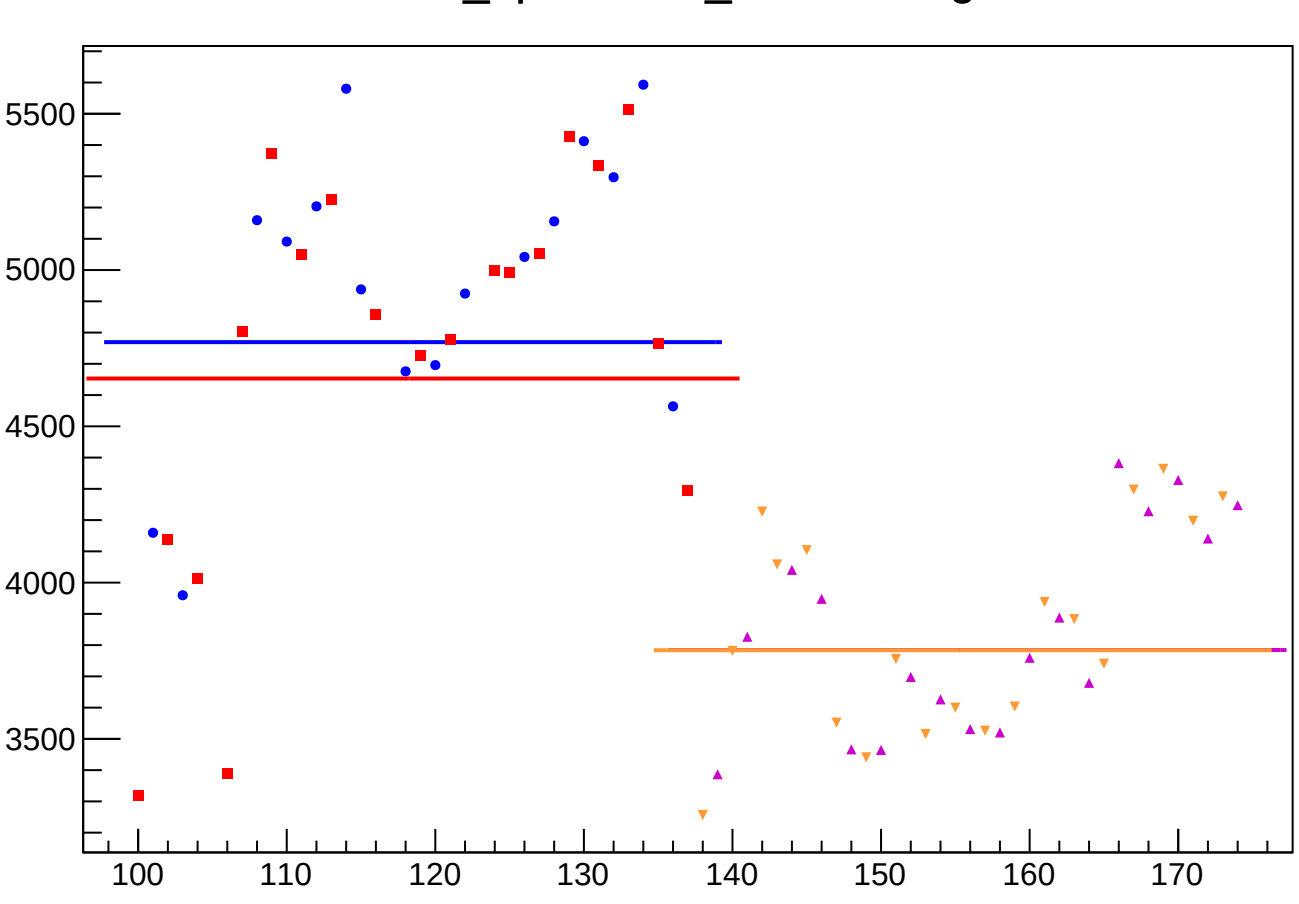
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -2.622+/-0.986 χ^2/NDF:77.0/17

+ sign 1.412+/-0.859 χ^2/NDF: 295.3/34

All: -2.051+/-0.606 χ^2/NDF: 522.1/71

- 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: 3783.657+/-0.693 χ^2/NDF:210147.0/18

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

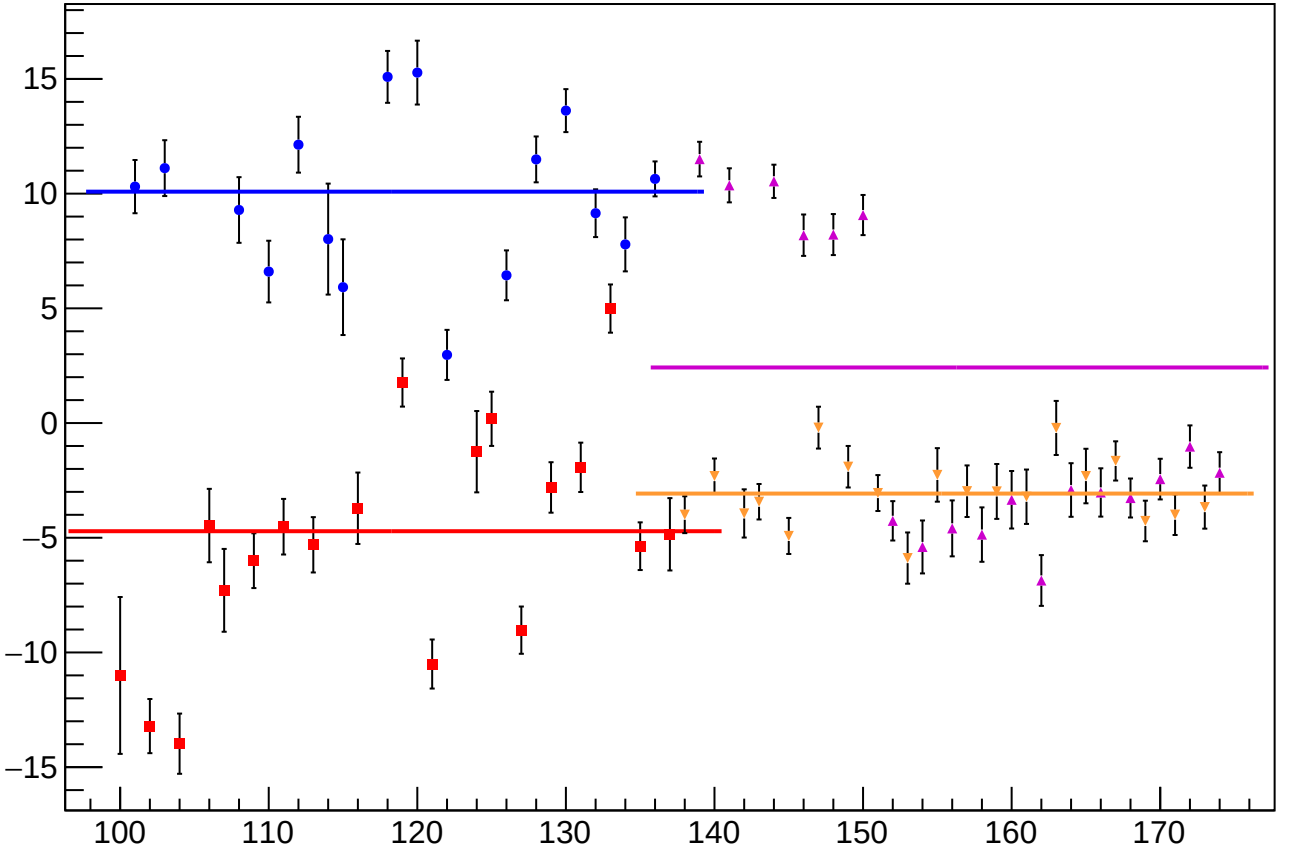
Left In: 3784.341+/-0.697 χ^2/NDF:185584.1/17

+ sign 4012.741+/-0.607 χ^2/NDF: 831581.0/34

All: 4006.526+/-0.428 χ^2/NDF: 1668542.7/71

- 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: -3.074+/-0.215 χ^2/NDF:39.5/18

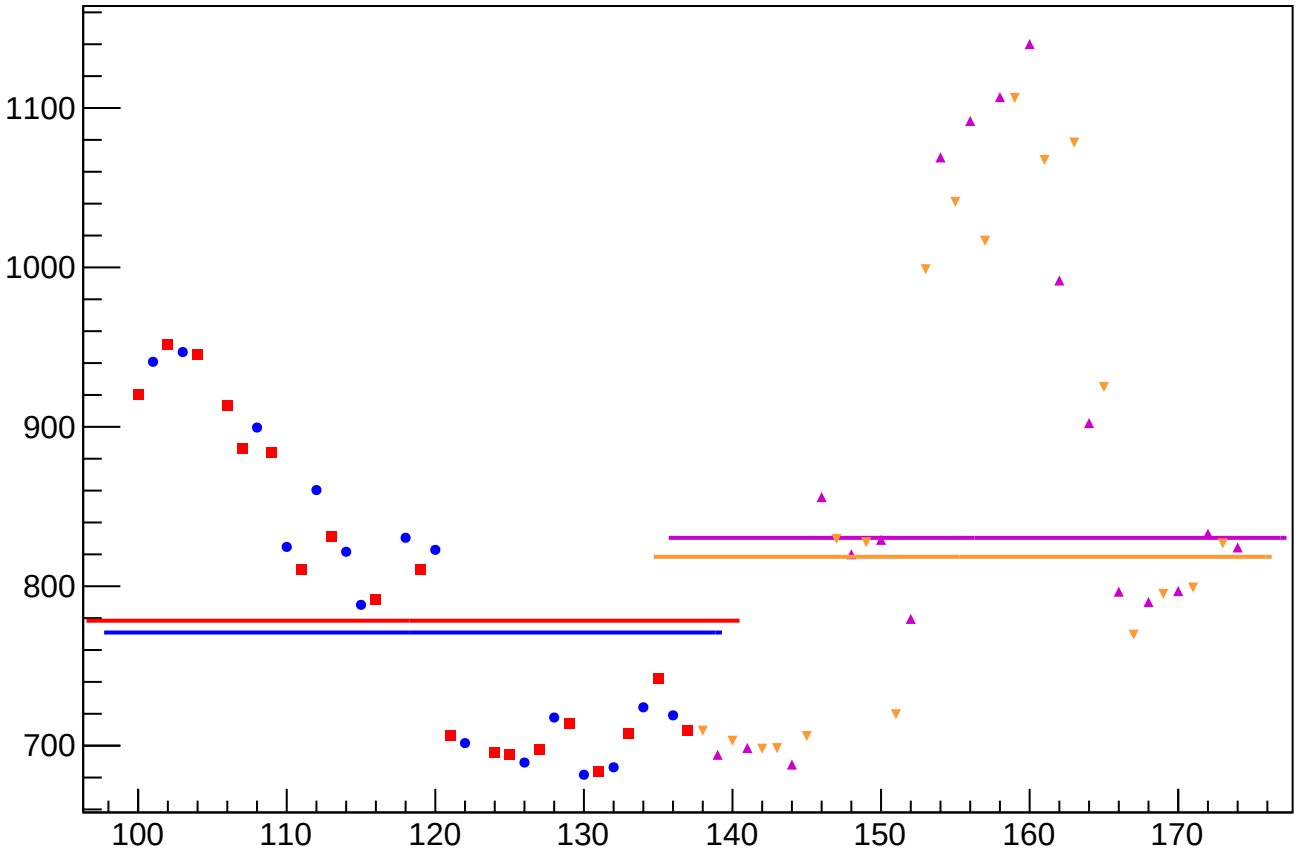
Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: 2.422+/-0.219 χ^2/NDF:956.8/17

+ sign 1.616+/-0.172 χ^2/NDF: 1504.0/34

All: 0.709+/-0.122 χ^2/NDF: 3220.5/71

- 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: 818.473+/-0.152 χ^2/NDF:743356.8/18

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

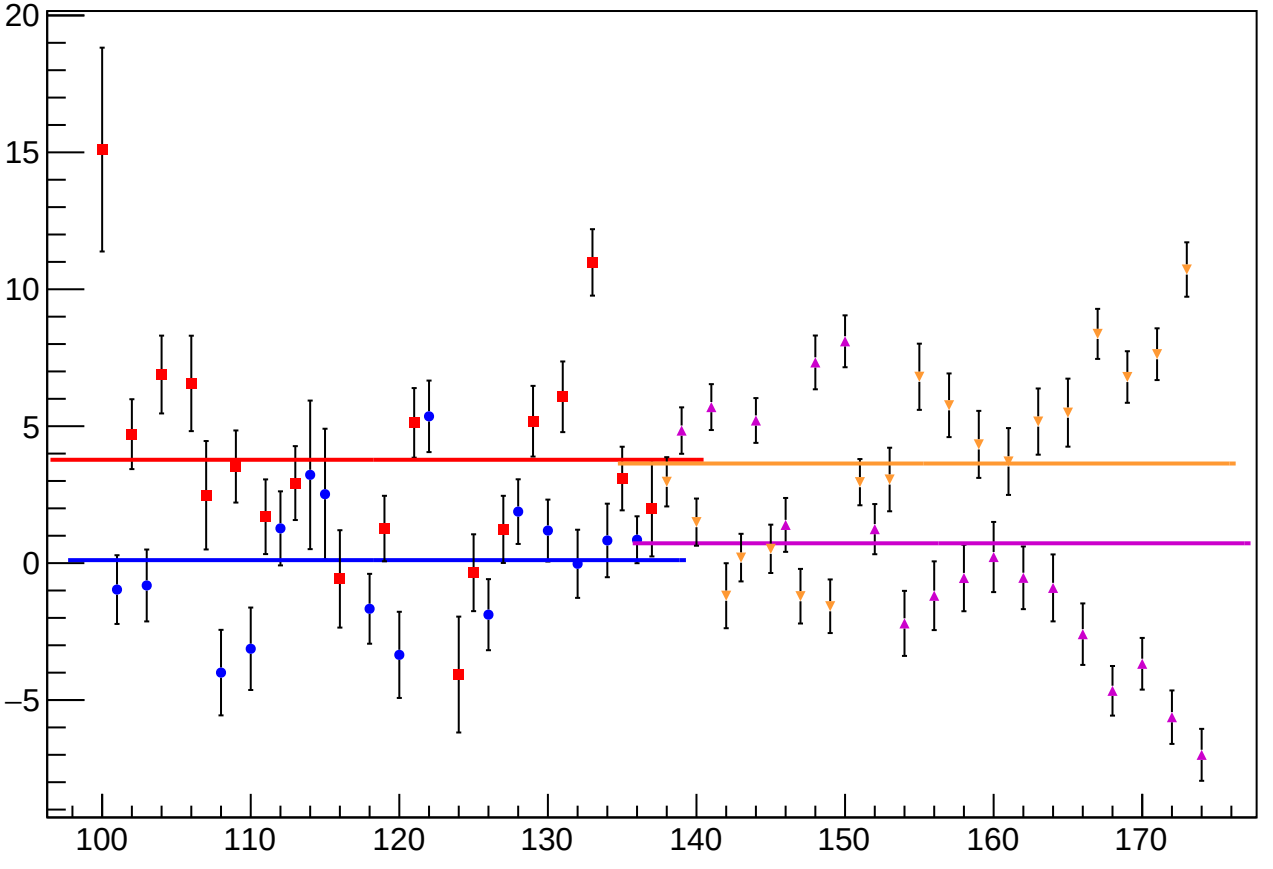
Left In: 830.363+/-0.155 χ^2/NDF:682010.0/17

\+ sign 801.546+/-0.122 χ^2/NDF: 971194.4/34

All: 806.317+/-0.086 χ^2/NDF: 1894566.0/71

\- 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: 3.637+/-0.232 χ^2/NDF:225.4/18

Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

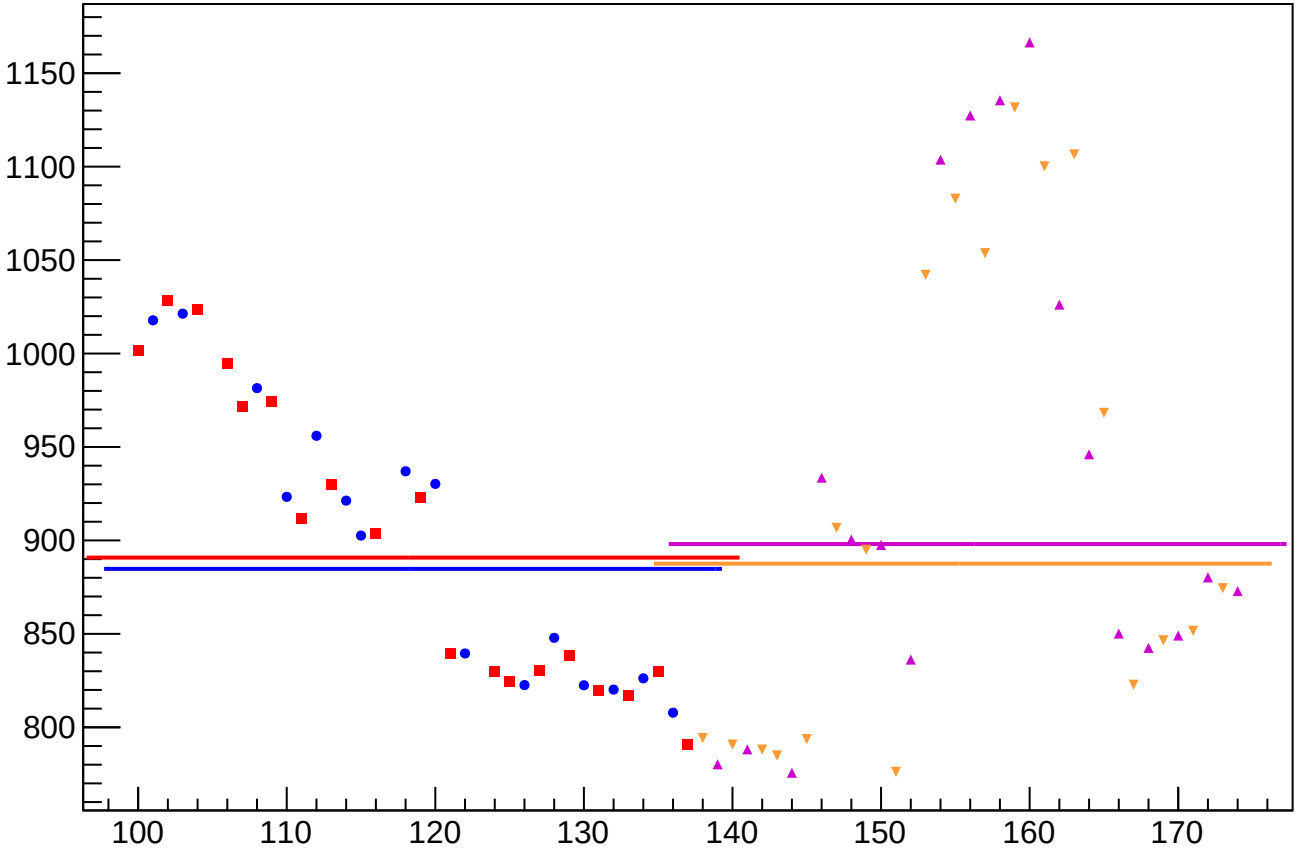
Left In: 0.724+/-0.235 χ^2/NDF:382.6/17

+ sign 2.473+/-0.190 χ^2/NDF: 347.4/34

All: 2.123+/-0.134 χ^2/NDF: 893.9/71

- 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: 887.570+/-0.164 χ^2/NDF:507003.8/18

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

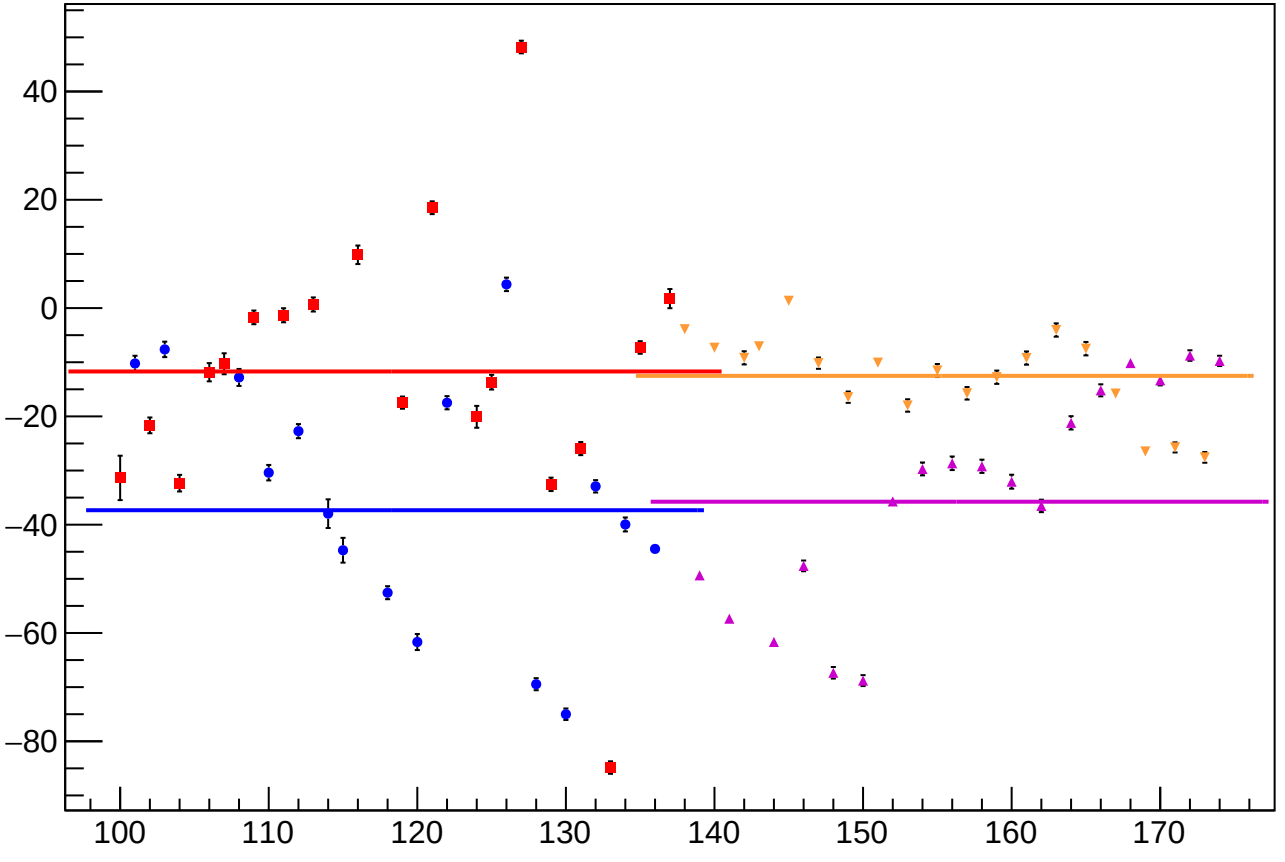
Left In: 898.065+/-0.166 χ^2/NDF:467207.5/17

+ sign 886.647+/-0.134 χ^2/NDF: 611594.2/34

All: 891.082+/-0.095 χ^2/NDF: 1189421.4/71

- 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: -12.514+/-0.234 χ^2/NDF:1202.9/18

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

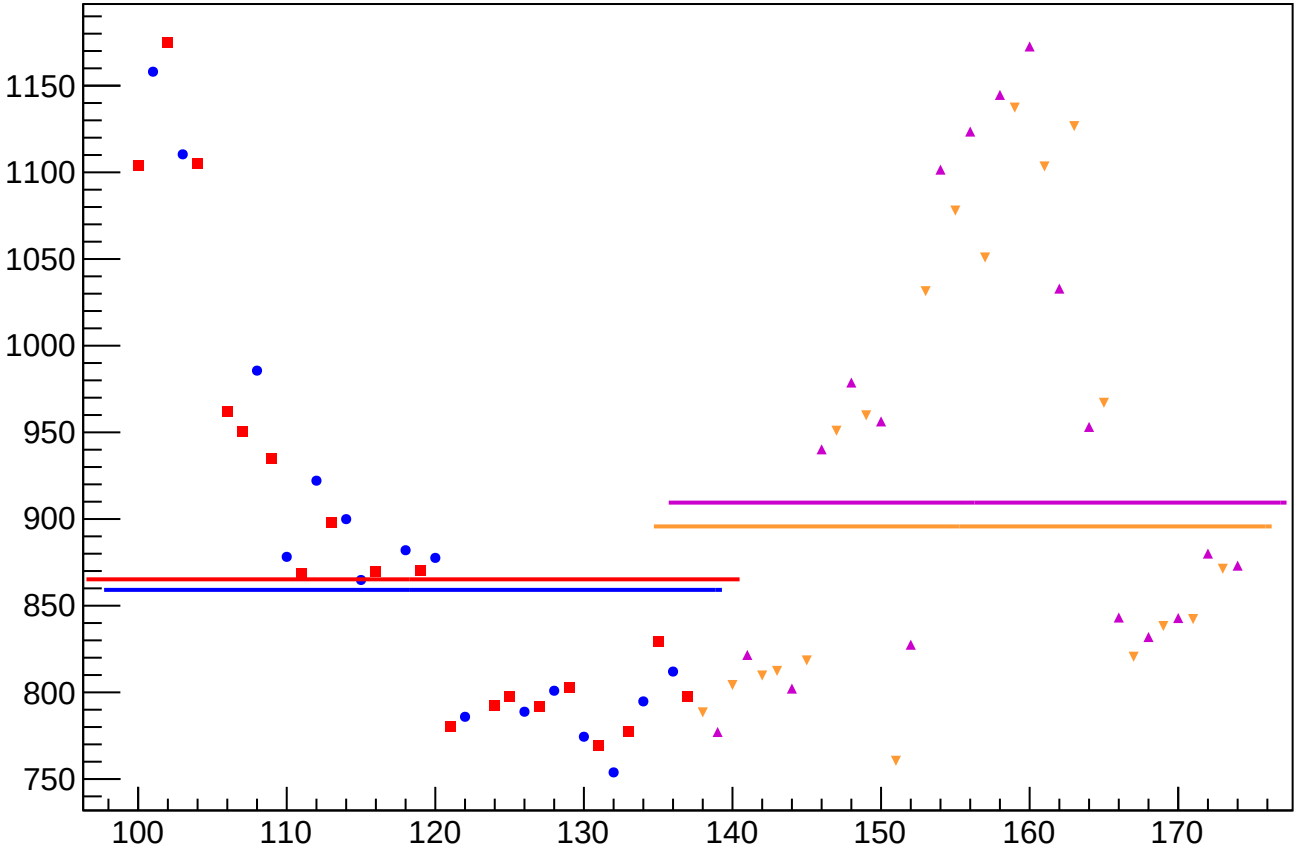
Left In: -35.759+/-0.238 χ^2/NDF:7383.3/17

+ sign -21.088+/-0.189 χ^2/NDF: 10281.5/34

All: -24.067+/-0.134 χ^2/NDF: 30292.3/71

- 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: 895.730+/-0.165 χ^2/NDF:508625.1/18

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

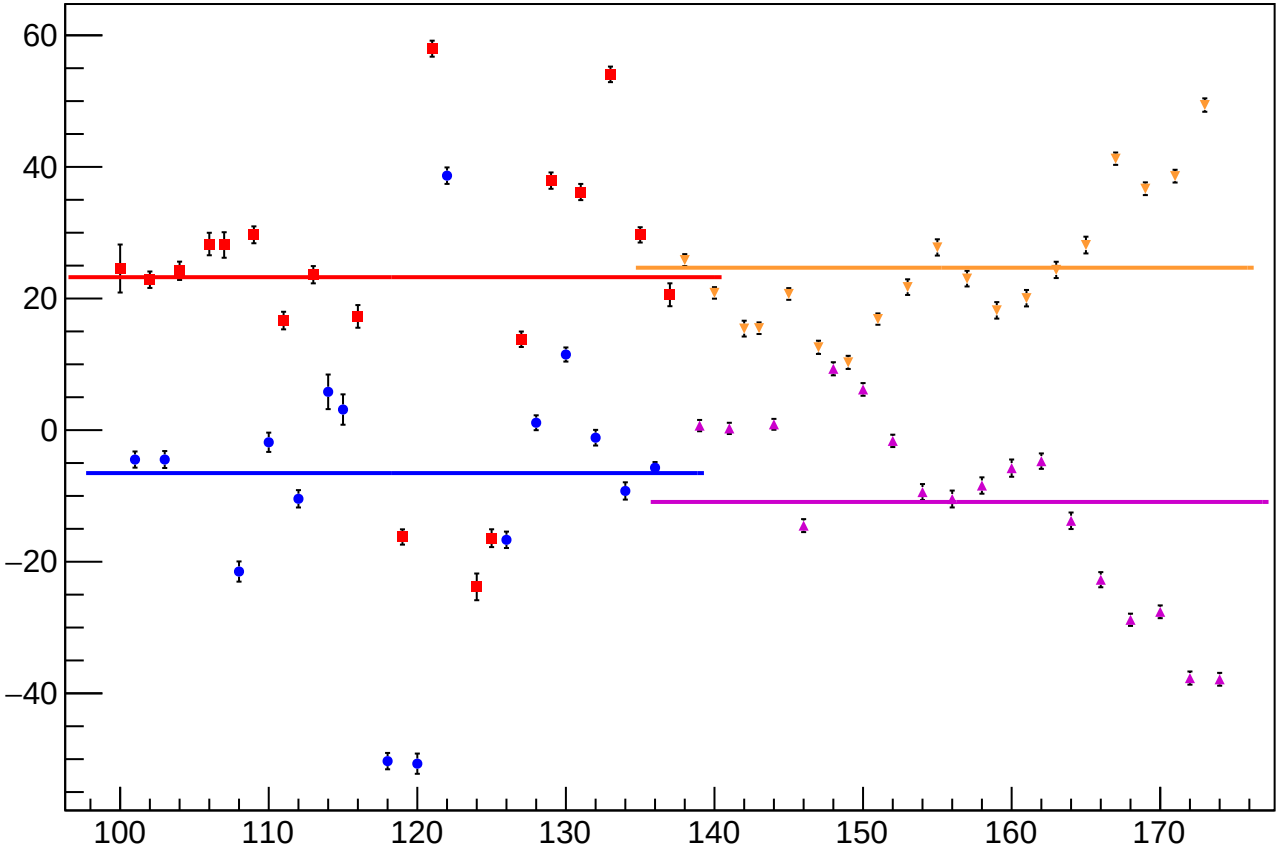
Left In: 909.468+/-0.169 χ^2/NDF:462819.7/17

+ sign 883.083+/-0.134 χ^2/NDF: 754278.6/34

All: 888.263+/-0.095 χ^2/NDF: 1468595.8/71

- 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: 24.681+/-0.236 χ^2/NDF:1960.9/18

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

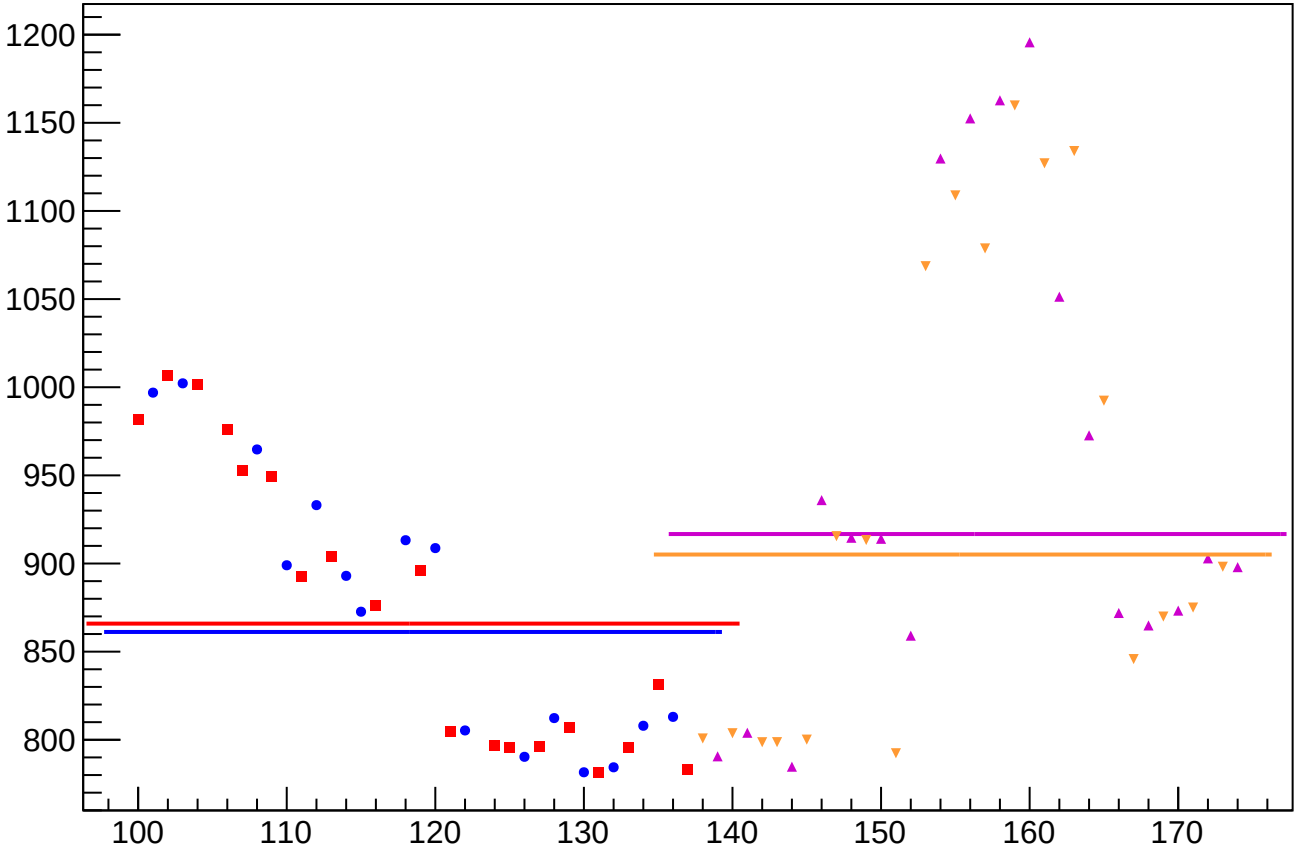
Left In: -10.915+/-0.240 χ^2/NDF:3696.7/17

+ sign 13.727+/-0.190 χ^2/NDF: 12034.8/34

All: 7.678+/-0.135 χ^2/NDF: 29607.6/71

- 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: 905.100+/-0.167 χ^2/NDF:530897.4/18

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

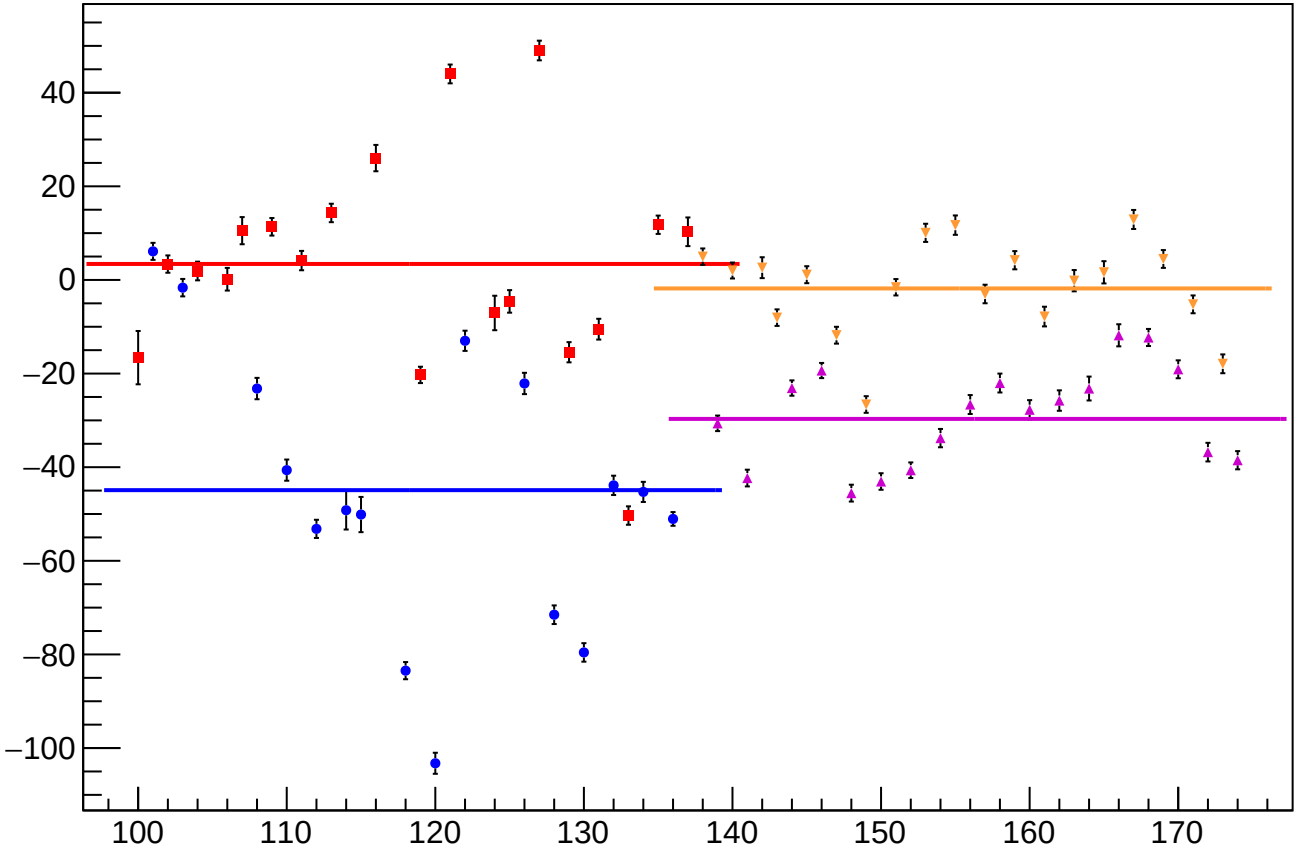
Left In: 916.720+/-0.170 χ^2/NDF:479316.0/17

+ sign 889.680+/-0.135 χ^2/NDF: 668709.0/34

All: 893.900+/-0.095 χ^2/NDF: 1301052.3/71

- 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: -1.814+/-0.443 χ^2/NDF:496.3/18

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

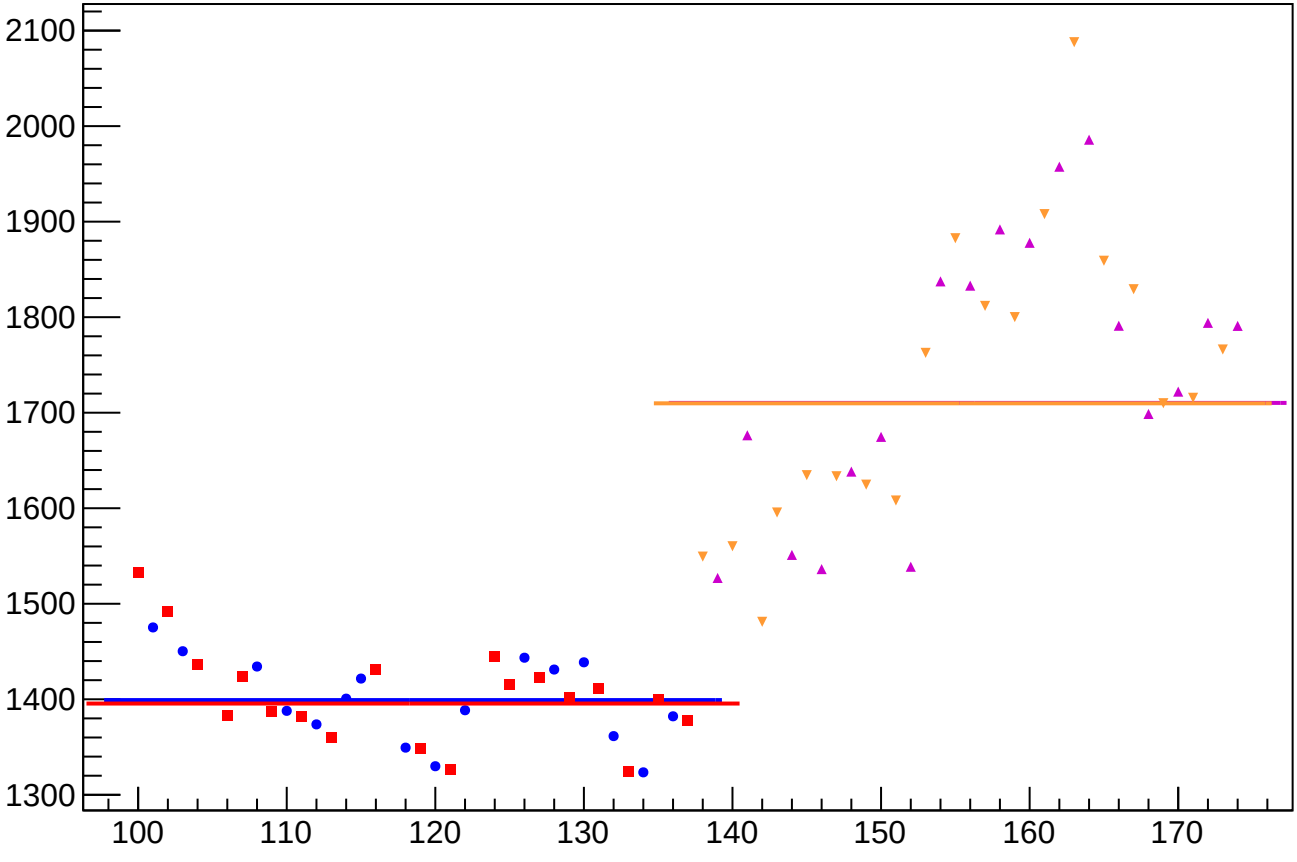
Left In: -29.687+/-0.445 χ^2/NDF:529.1/17

+ sign -19.923+/-0.337 χ^2/NDF: 7856.6/34

All: -17.617+/-0.238 χ^2/NDF: 12975.4/71

- sign -15.335+/-0.335 χ^2/NDF: 5025.6/36

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1709.824+/-0.313 χ^2/NDF:194351.7/18

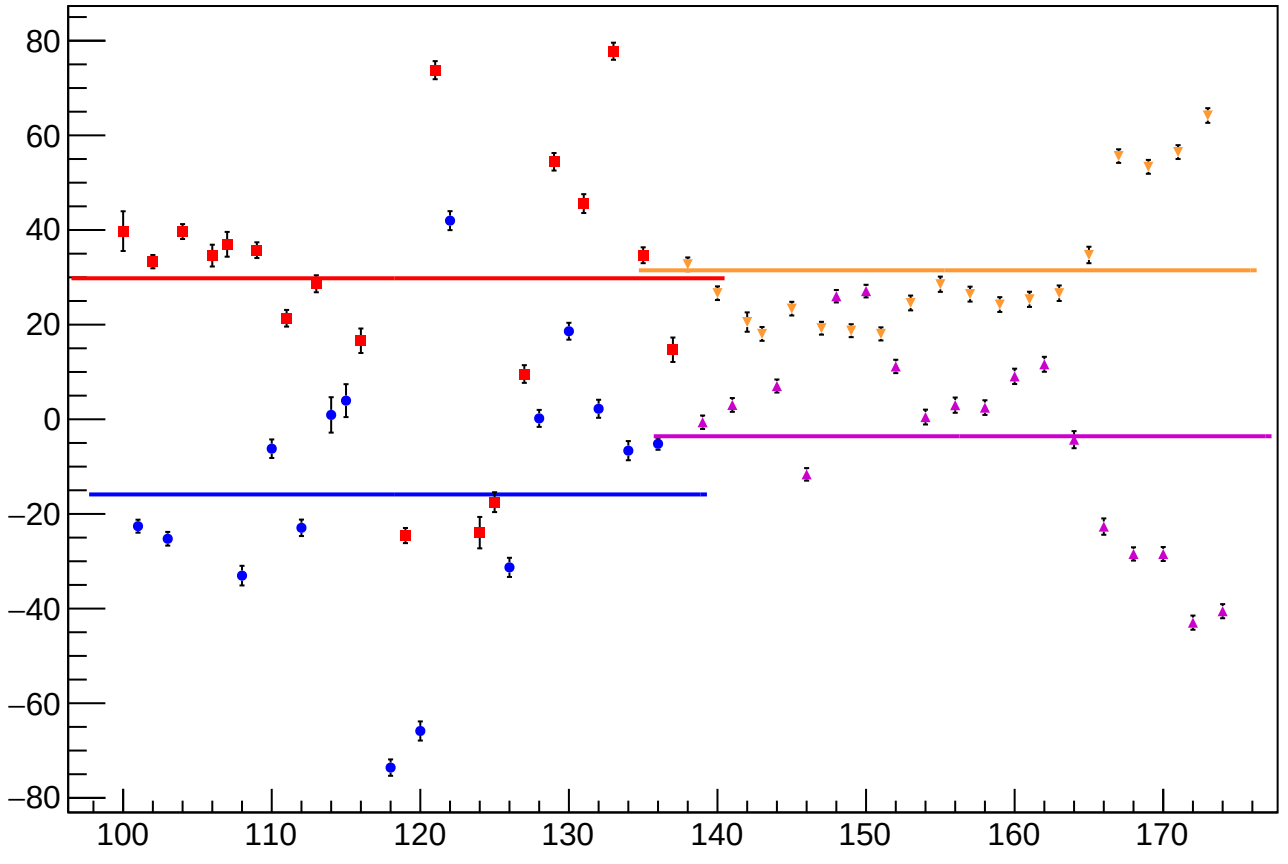
Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1710.259+/-0.315 χ^2/NDF:196076.2/17

+ sign 1579.273+/-0.238 χ^2/NDF: 623181.1/34

All: 1576.528+/-0.168 χ^2/NDF: 1268586.8/71

- 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: 31.483+/-0.348 χ^2/NDF:1735.3/18

Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

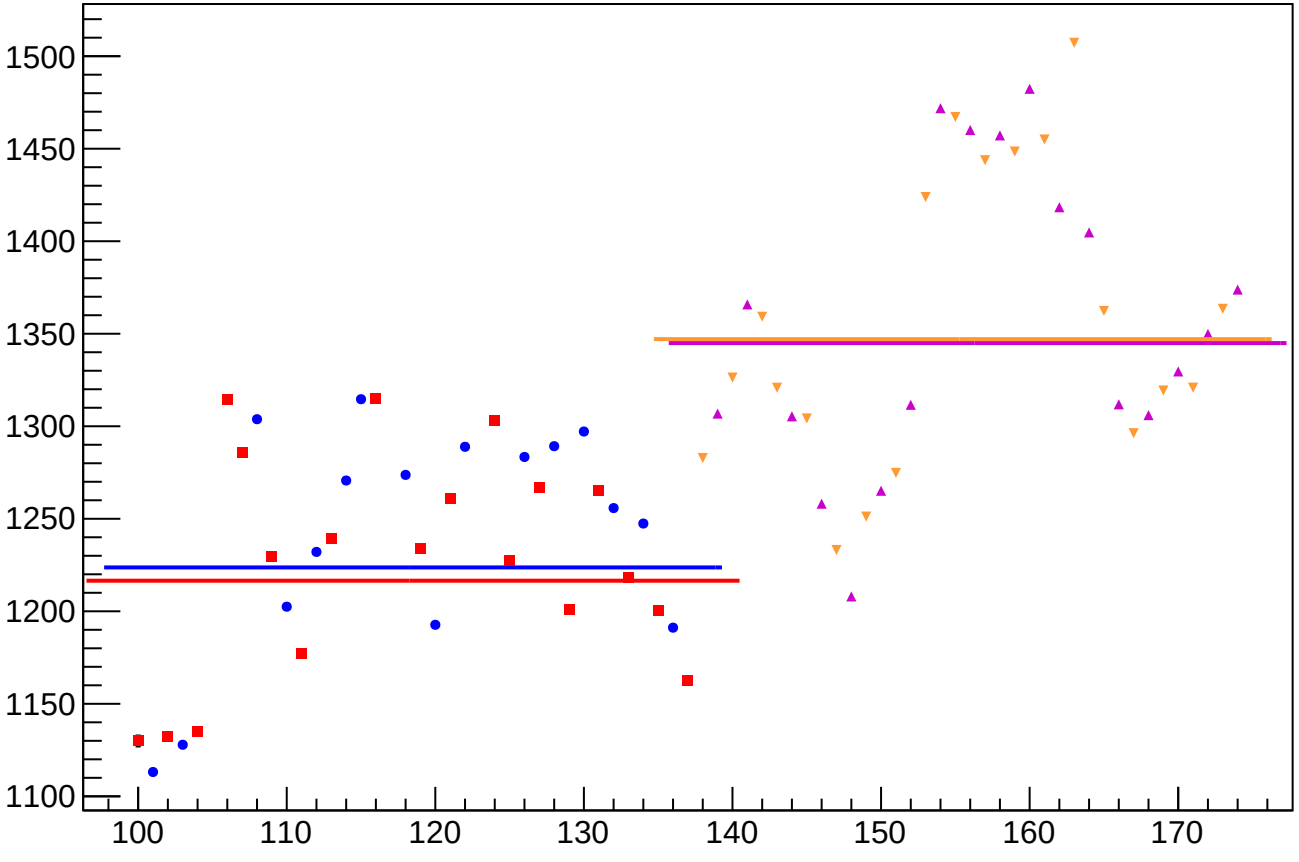
Left In: -3.582+/-0.350 χ^2/NDF:3478.6/17

\+ sign 14.001+/-0.277 χ^2/NDF: 12041.4/34

All: 11.573+/-0.195 χ^2/NDF: 22841.1/71

\- 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: 1347.095+/-0.246 χ^2/NDF:100227.2/18

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

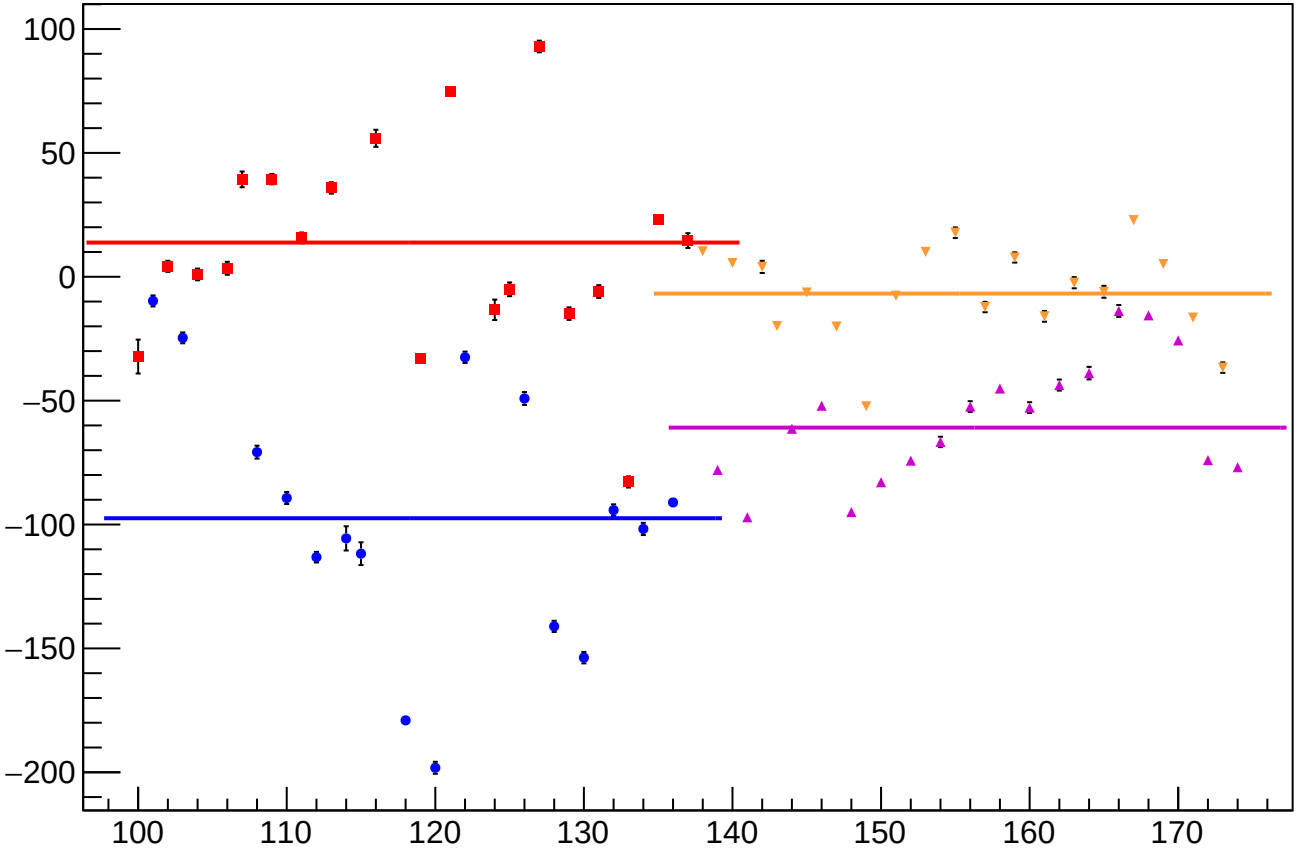
Left In: 1344.967+/-0.247 χ^2/NDF:99797.2/17

+ sign 1301.548+/-0.196 χ^2/NDF: 233809.4/34

All: 1298.694+/-0.138 χ^2/NDF: 466631.5/71

- 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: -6.782+/-0.455 χ^2/NDF:1666.1/18

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

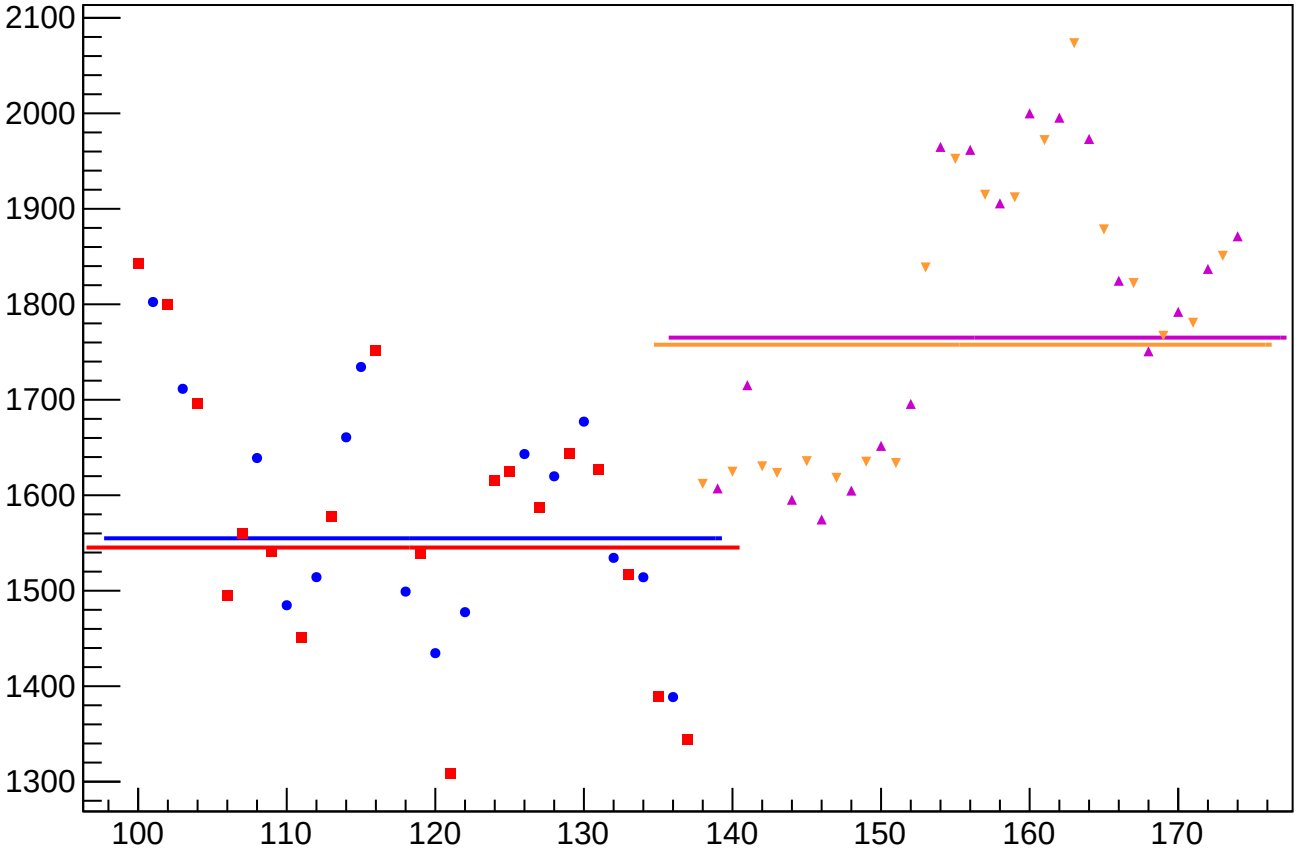
Left In: -60.880+/-0.460 χ^2/NDF:2715.8/17

\+ sign -41.383+/-0.358 χ^2/NDF: 25110.1/34

All: -36.264+/-0.253 χ^2/NDF: 44090.1/71

\- 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: 1757.671+/-0.322 χ^2/NDF:192793.1/18

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

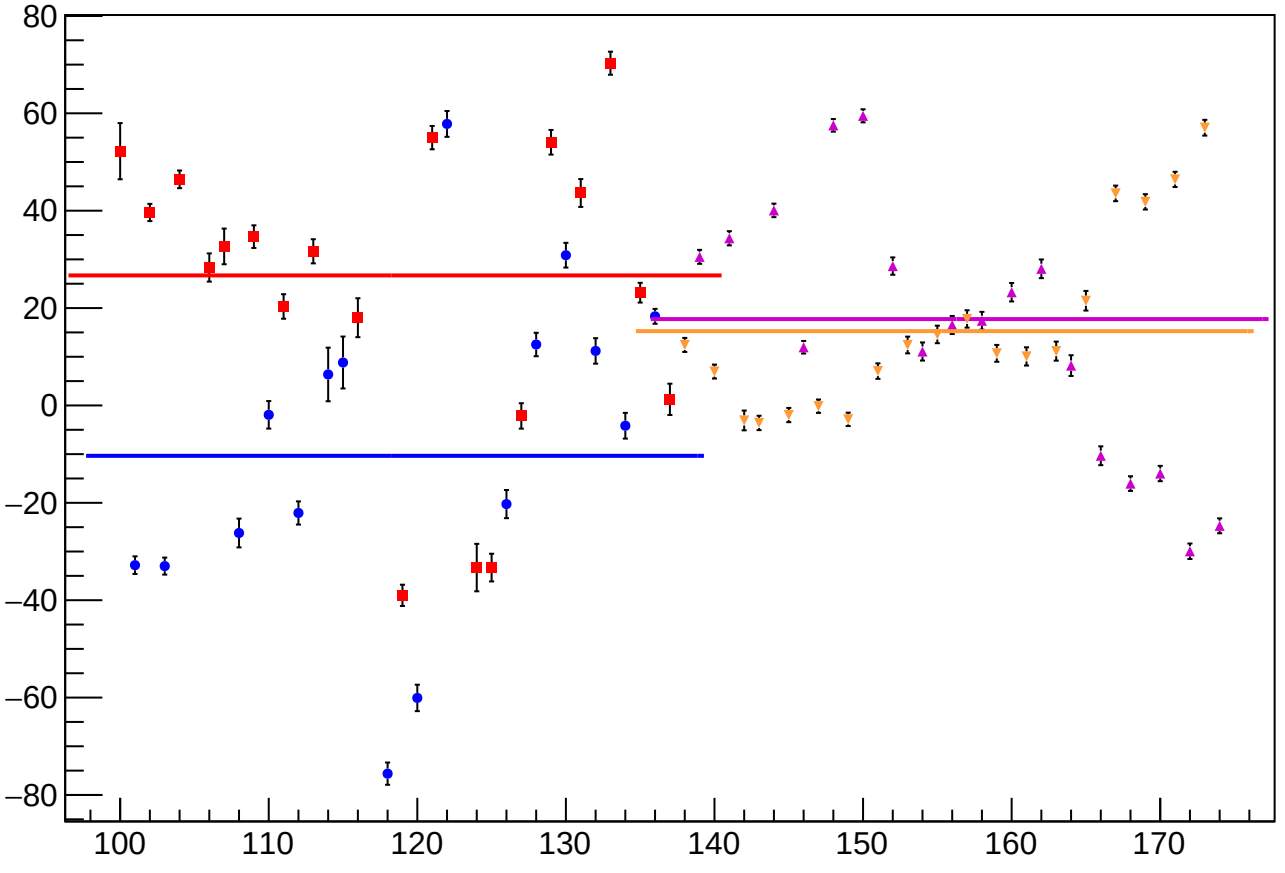
Left In: 1765.085+/-0.325 χ^2/NDF:204378.3/17

+ sign 1680.297+/-0.253 χ^2/NDF: 432169.0/34

All: 1678.982+/-0.179 χ^2/NDF: 927375.1/71

- 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: 15.260+/-0.371 χ^2/NDF:2438.2/18

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

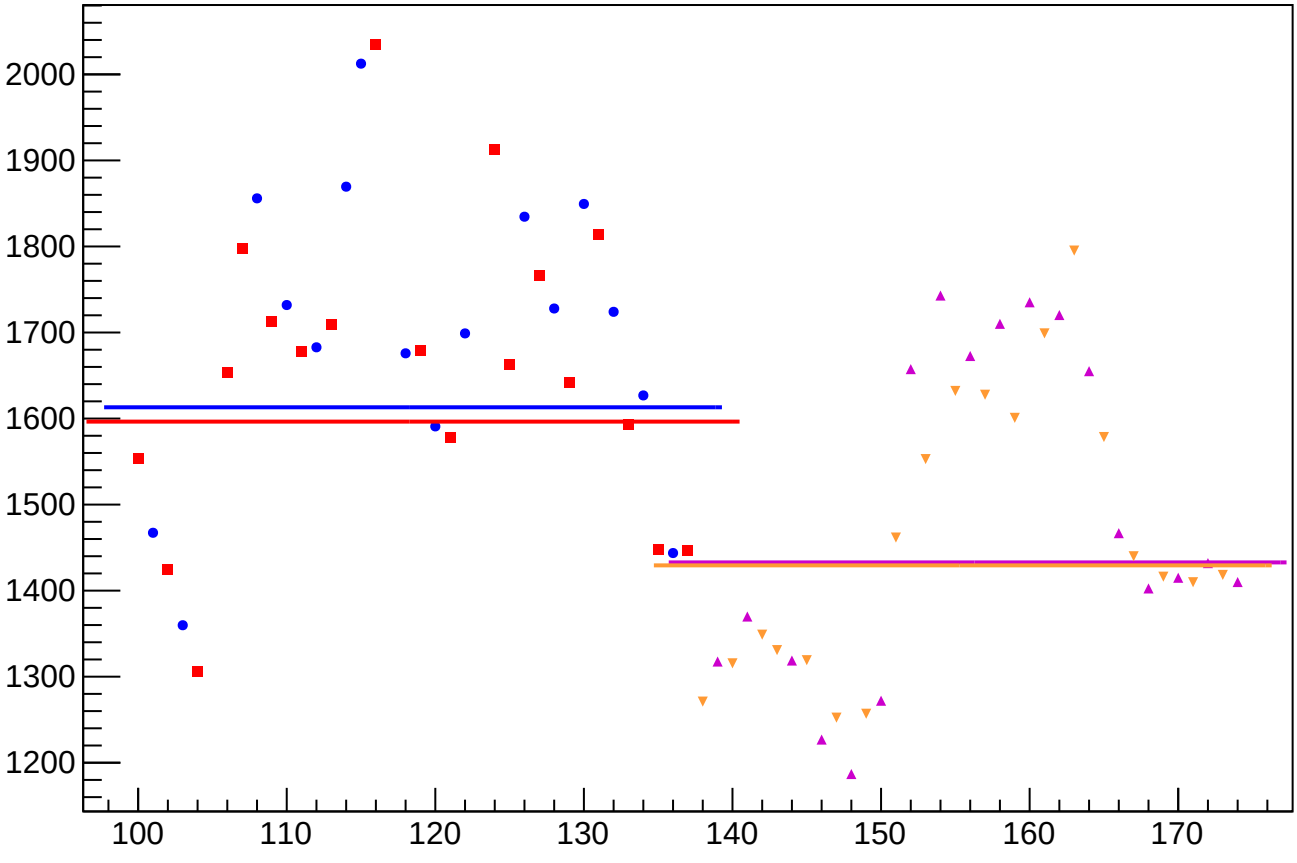
Left In: 17.740+/-0.375 χ^2/NDF:5289.7/17

+ sign 8.223+/-0.316 χ^2/NDF: 6752.2/34

All: 14.289+/-0.223 χ^2/NDF: 15484.0/71

- 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: 1429.366+/-0.263 χ^2/NDF:328357.4/18

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

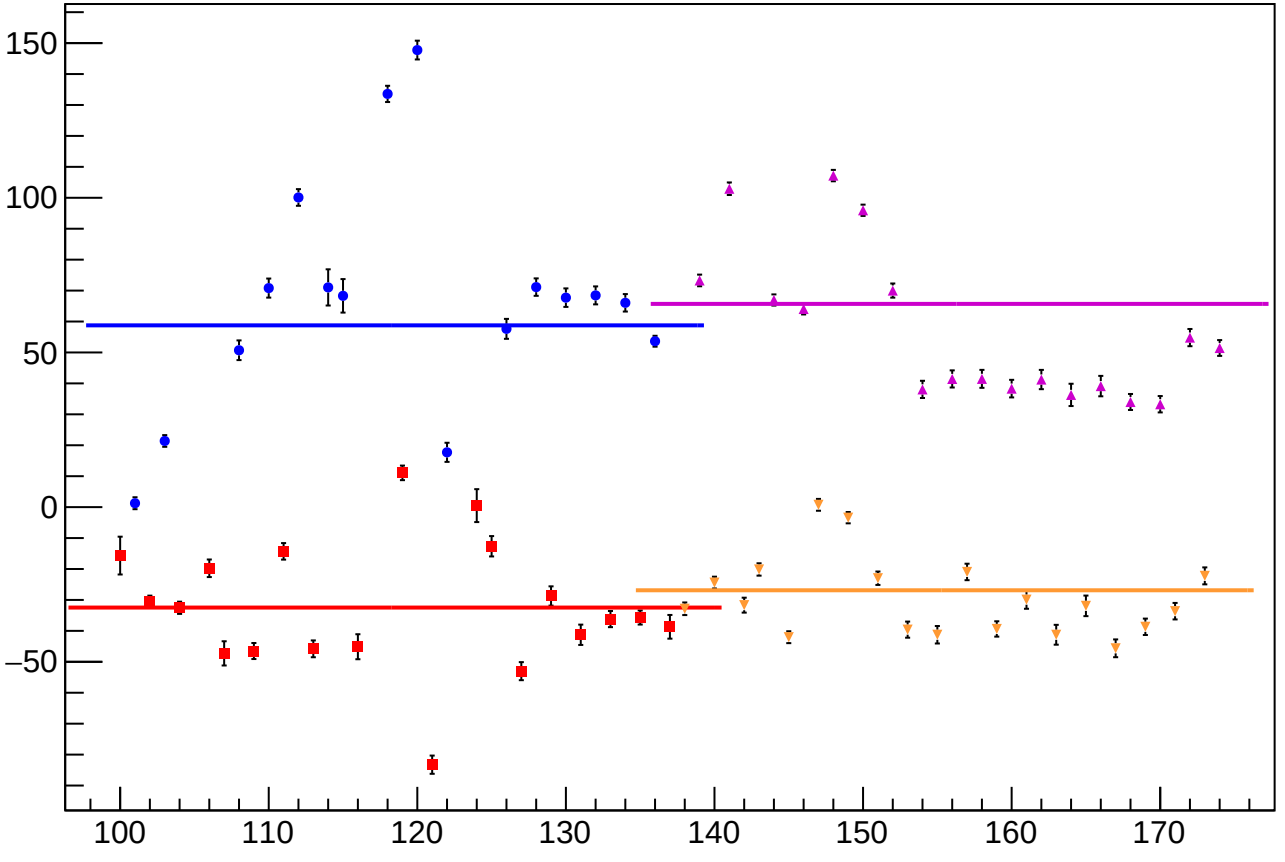
Left In: 1432.808+/-0.265 χ^2/NDF:467723.7/17

+ sign 1479.860+/-0.224 χ^2/NDF: 617650.8/34

All: 1480.077+/-0.158 χ^2/NDF: 1356649.3/71

- 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: -26.880+/-0.542 χ^2/NDF:638.9/18

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

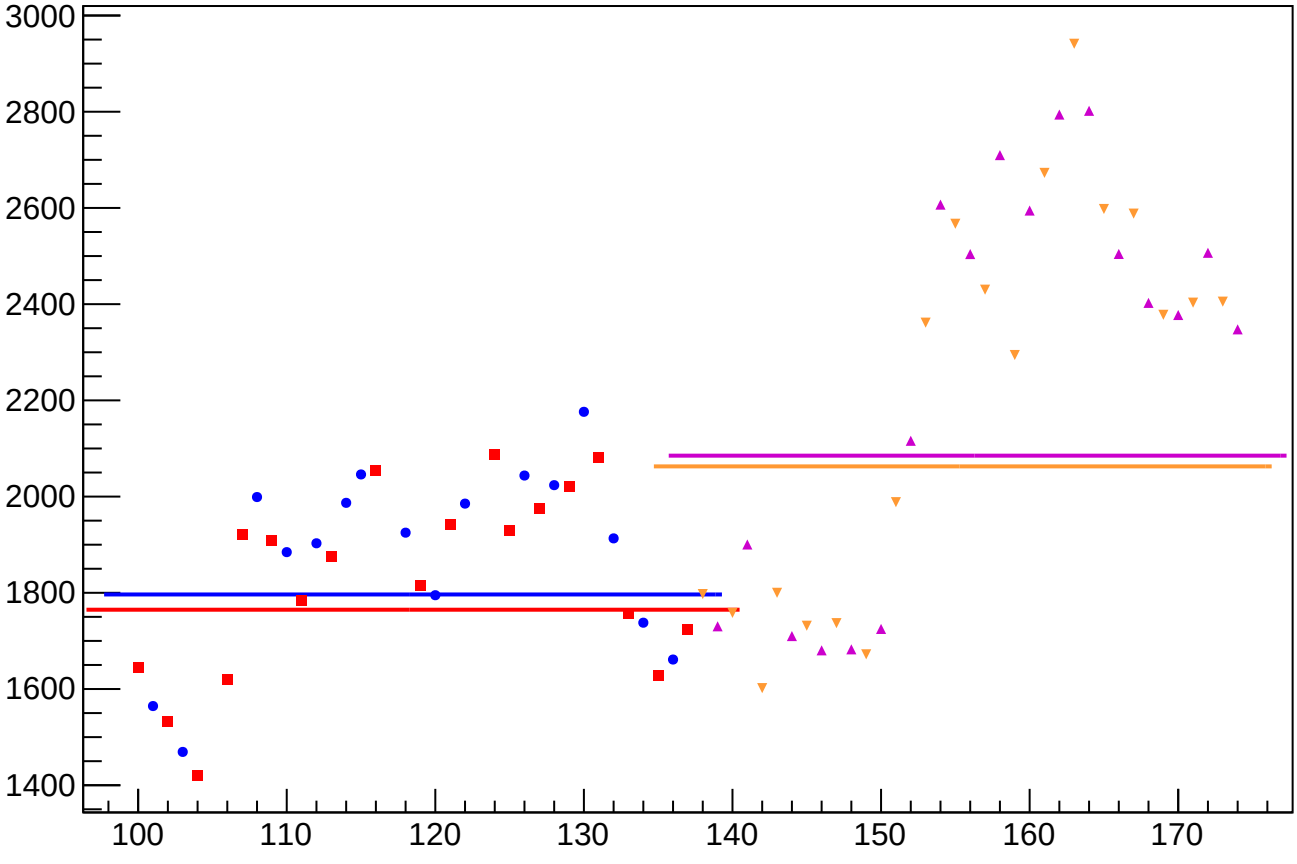
Left In: 65.699+/-0.552 χ^2/NDF:2018.6/17

+ sign 6.843+/-0.422 χ^2/NDF: 13915.0/34

All: 15.701+/-0.298 χ^2/NDF: 31038.1/71

- 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: 2062.785+/-0.383 χ^2/NDF:994260.6/18

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

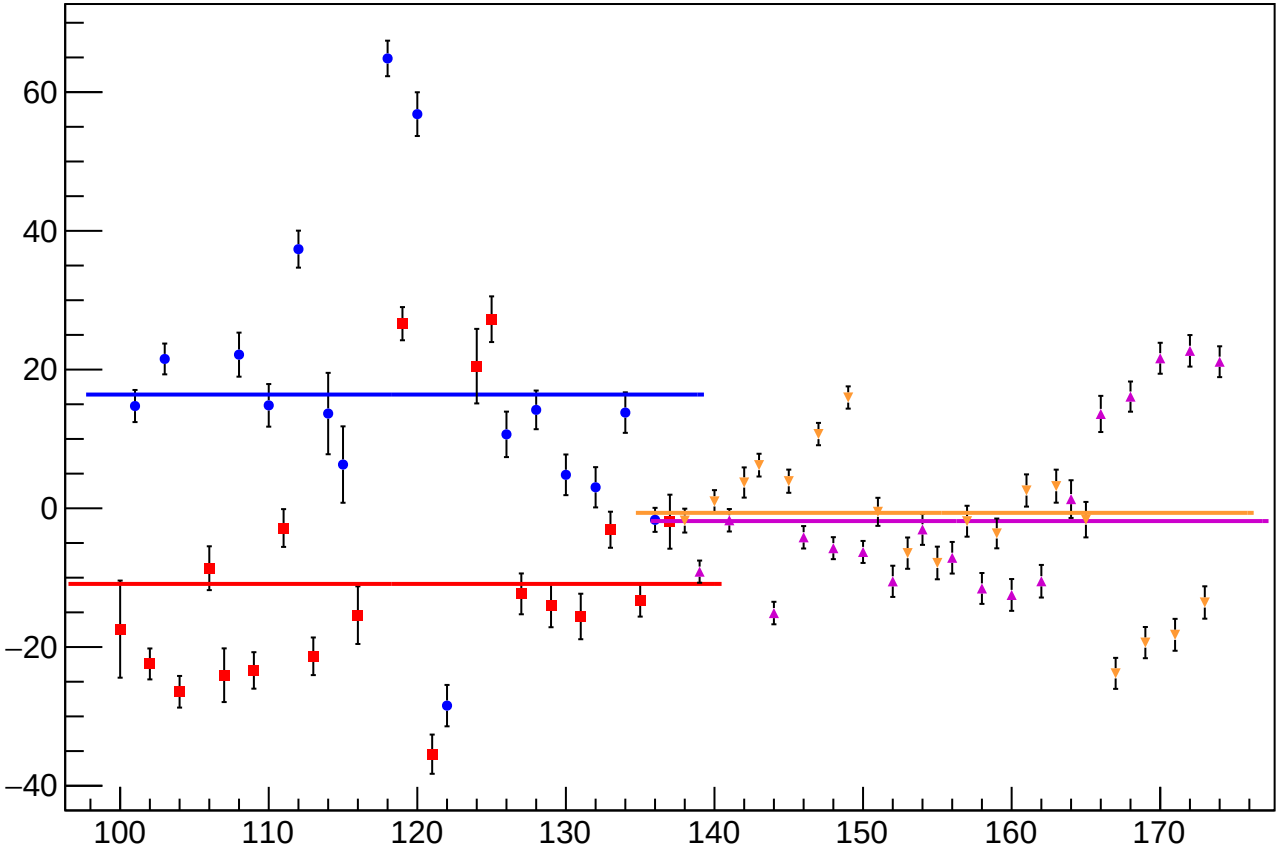
Left In: 2085.081+/-0.390 χ^2/NDF:1061934.2/17

+ sign 1957.951+/-0.298 χ^2/NDF: 1377478.8/34

All: 1954.277+/-0.211 χ^2/NDF: 2912664.9/71

- 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: -0.654+/-0.459 χ^2/NDF:475.9/18

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

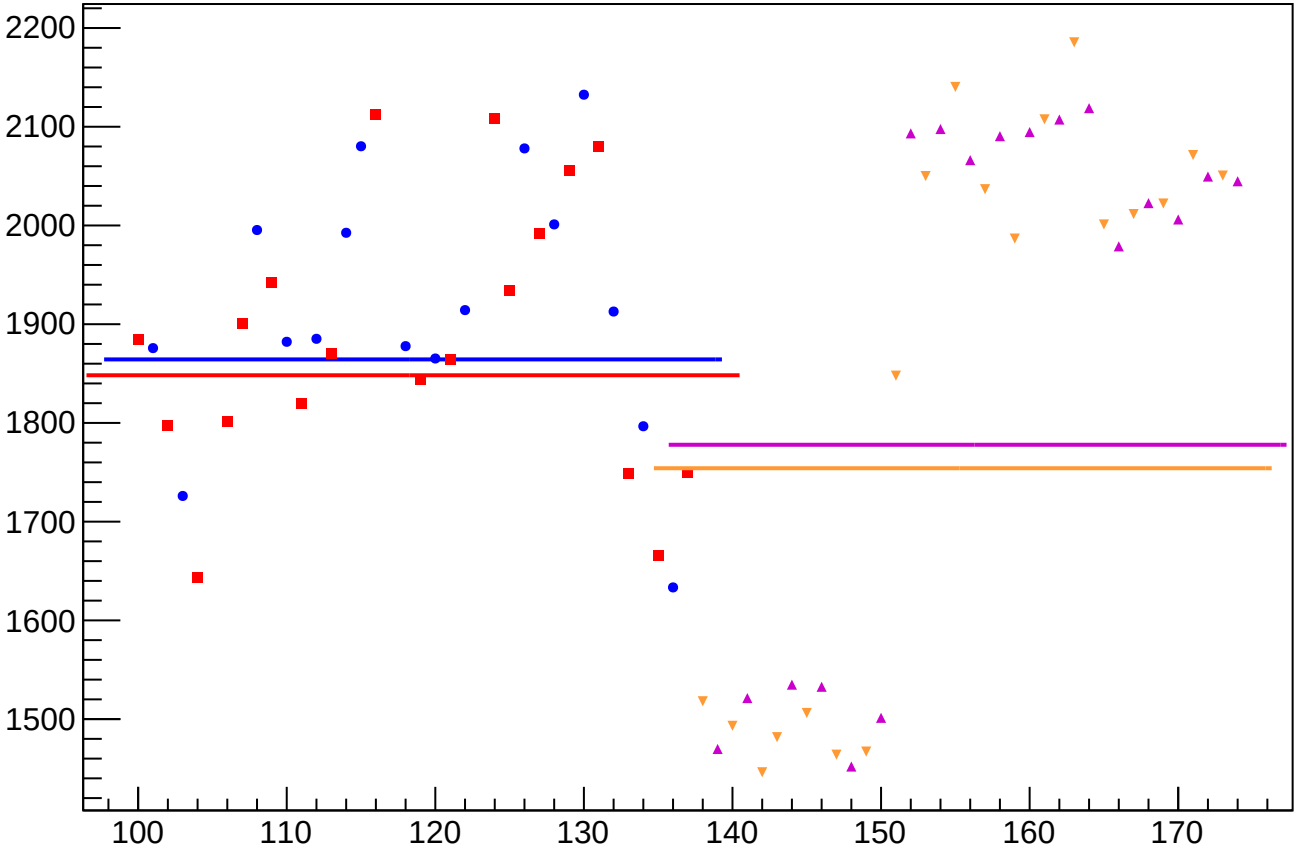
Left In: -1.840+/-0.467 χ^2/NDF:617.1/17

+ sign 4.520+/-0.383 χ^2/NDF: 1868.4/34

All: -0.105+/-0.271 χ^2/NDF: 3541.7/71

- 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: 1754.112+/-0.324 χ^2/NDF:761109.9/18

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

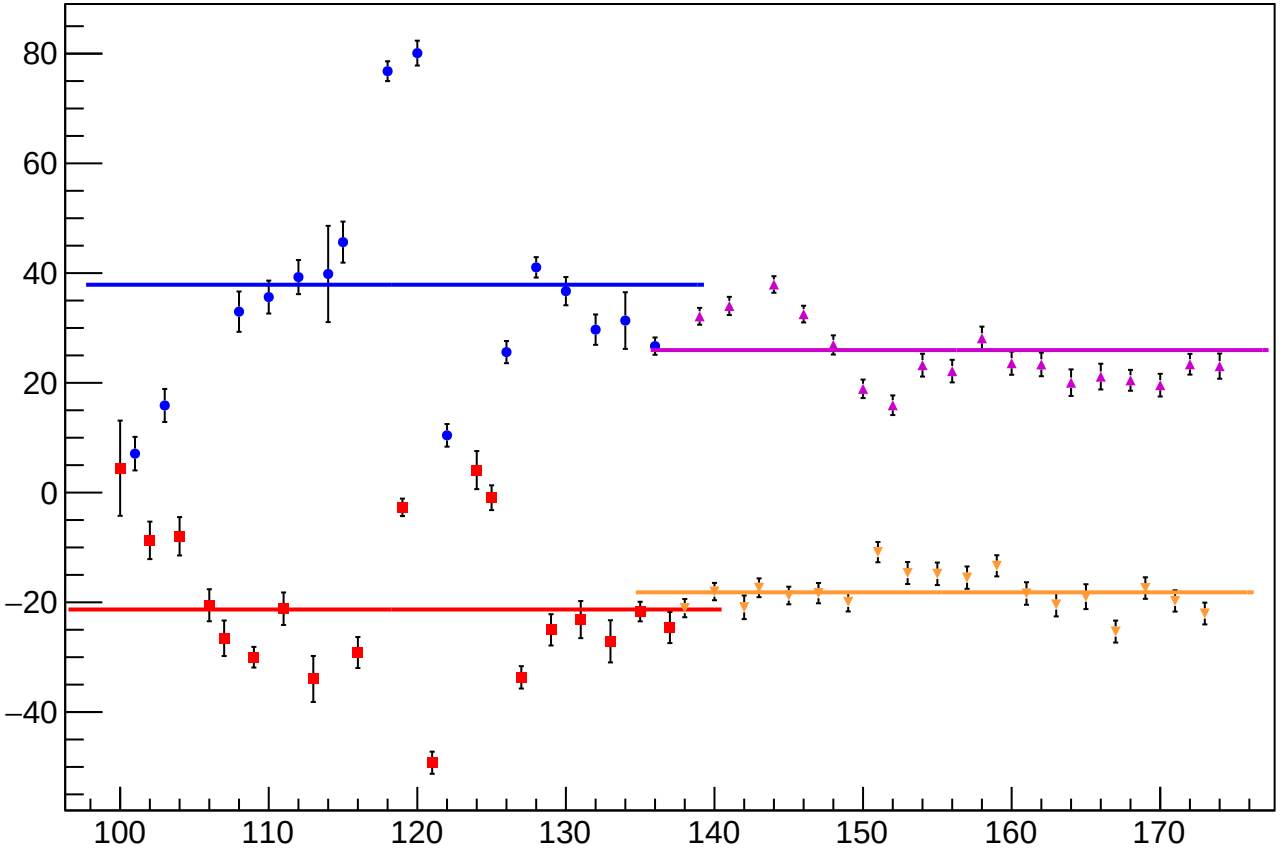
Left In: 1777.877+/-0.330 χ^2/NDF:736876.2/17

\+ sign 1787.551+/-0.271 χ^2/NDF: 879467.3/34

All: 1794.056+/-0.192 χ^2/NDF: 1707138.7/71

\- 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: -18.179+/-0.435 χ^2/NDF:54.0/18

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

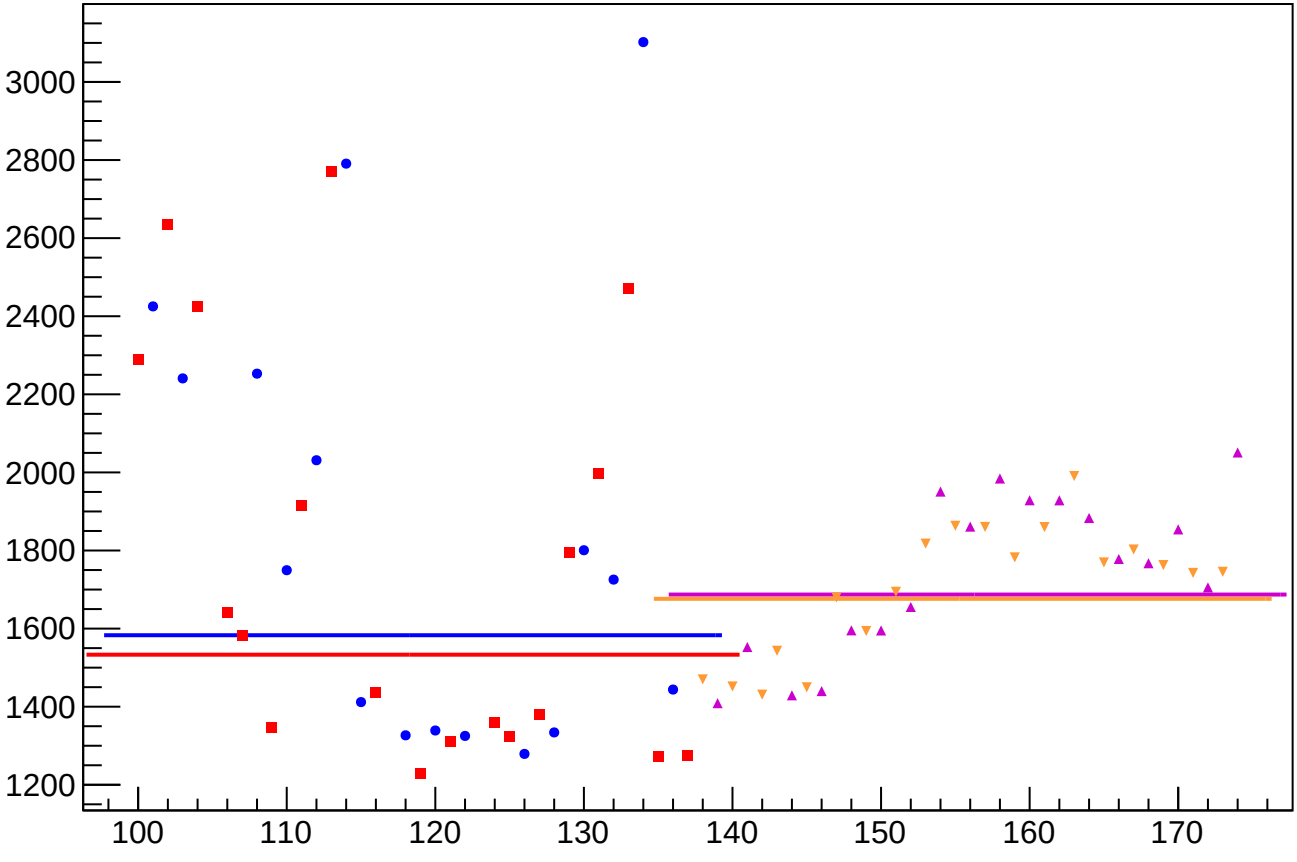
Left In: 25.969+/-0.442 χ^2/NDF:211.2/17

+ sign 0.229+/-0.357 χ^2/NDF: 6753.2/34

All: 4.677+/-0.251 χ^2/NDF: 11941.1/71

- 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: 1676.276+/-0.308 χ^2/NDF:280073.3/18

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

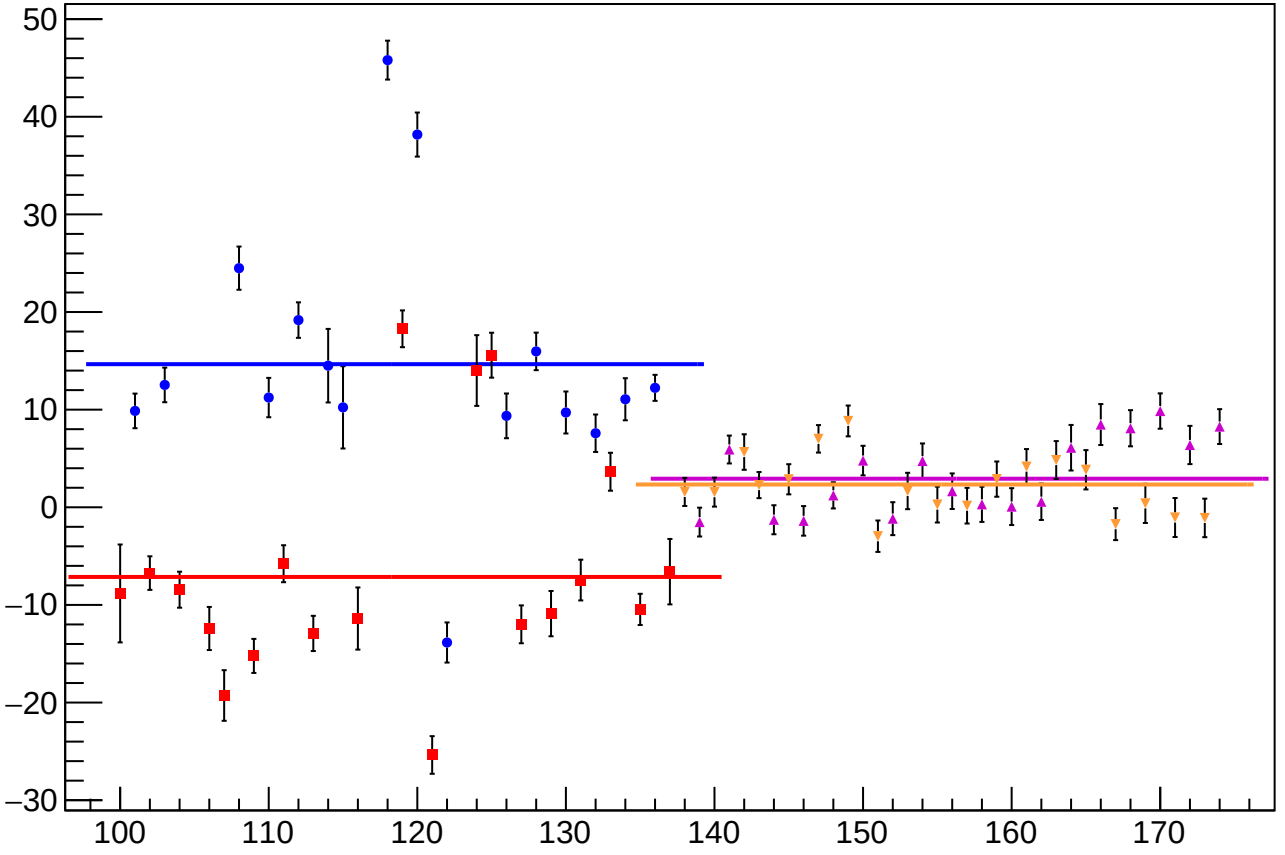
Left In: 1687.205+/-0.313 χ^2/NDF:422613.2/17

+ sign 1645.663+/-0.252 χ^2/NDF: 1097885.9/34

All: 1638.869+/-0.178 χ^2/NDF: 2559429.2/71

- 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: 2.334+/-0.388 χ^2/NDF:62.0/18

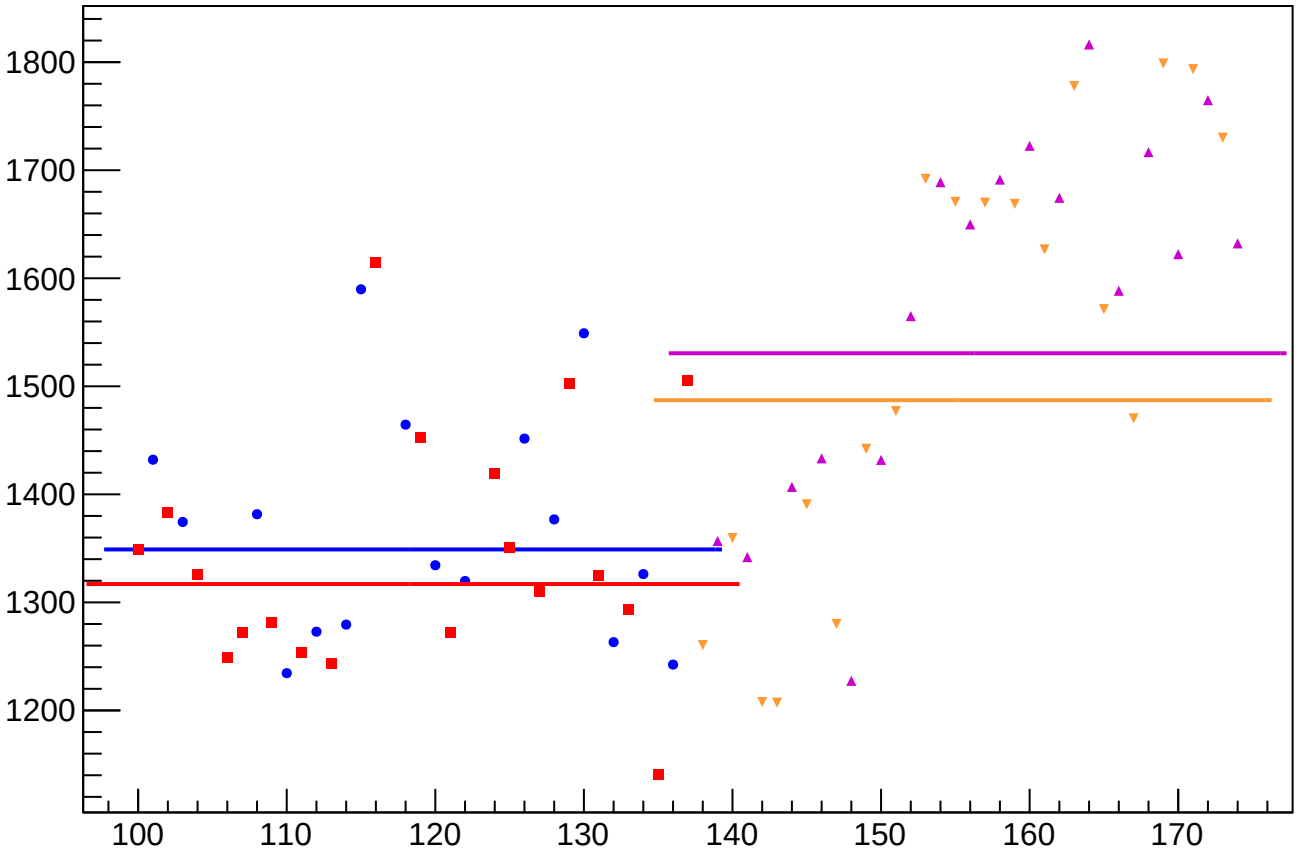
Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: 2.926+/-0.400 χ^2/NDF:89.4/17

+ sign 6.910+/-0.307 χ^2/NDF: 1052.0/34

All: 2.881+/-0.218 χ^2/NDF: 2252.3/71

- 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: 1487.183+/-0.274 χ^2/NDF:522668.6/18

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

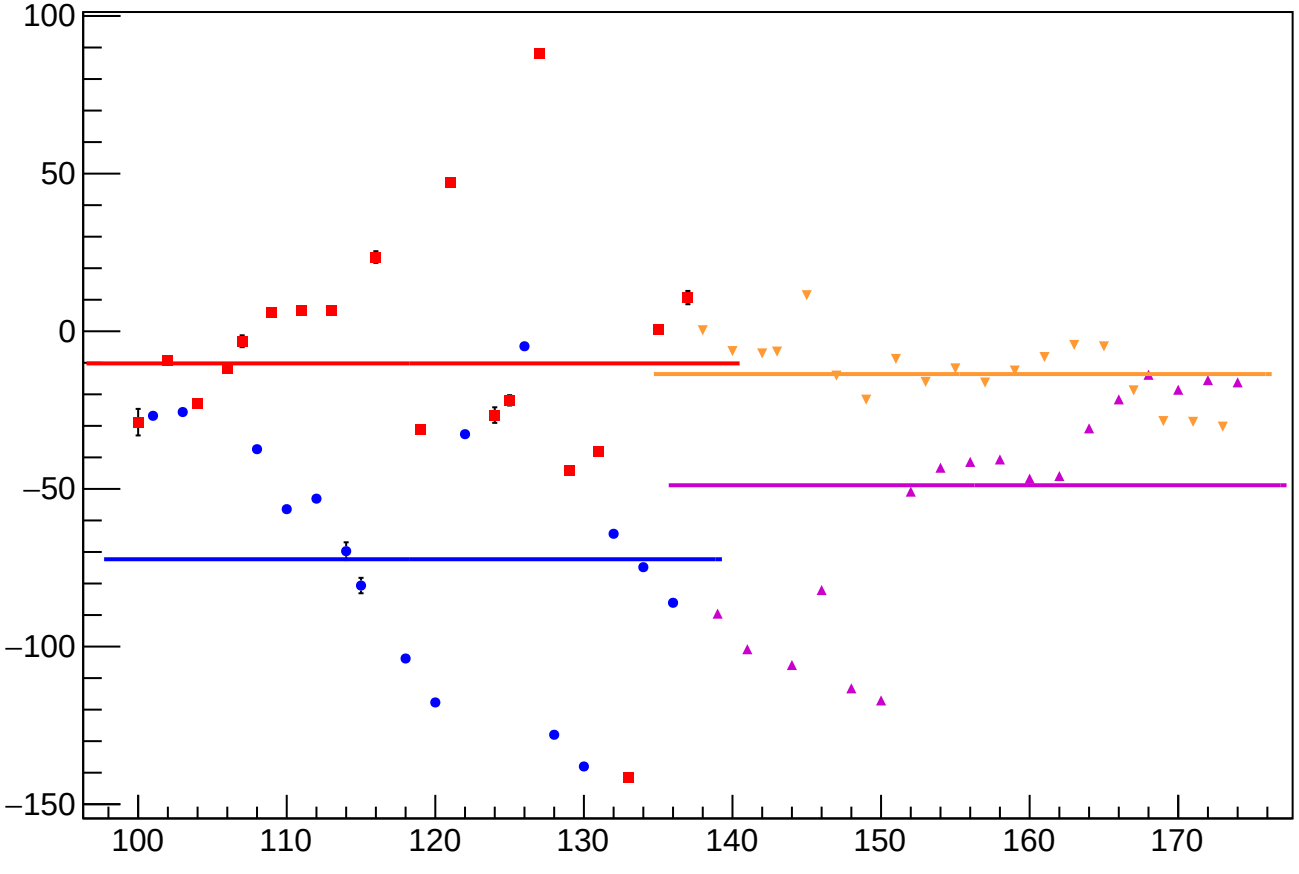
Left In: 1530.580+/-0.283 χ^2/NDF:360805.5/17

+ sign 1435.875+/-0.217 χ^2/NDF: 685385.4/34

All: 1439.782+/-0.154 χ^2/NDF: 1365658.4/71

- 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: -13.572+/-0.212 χ^2/NDF:2365.0/18

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

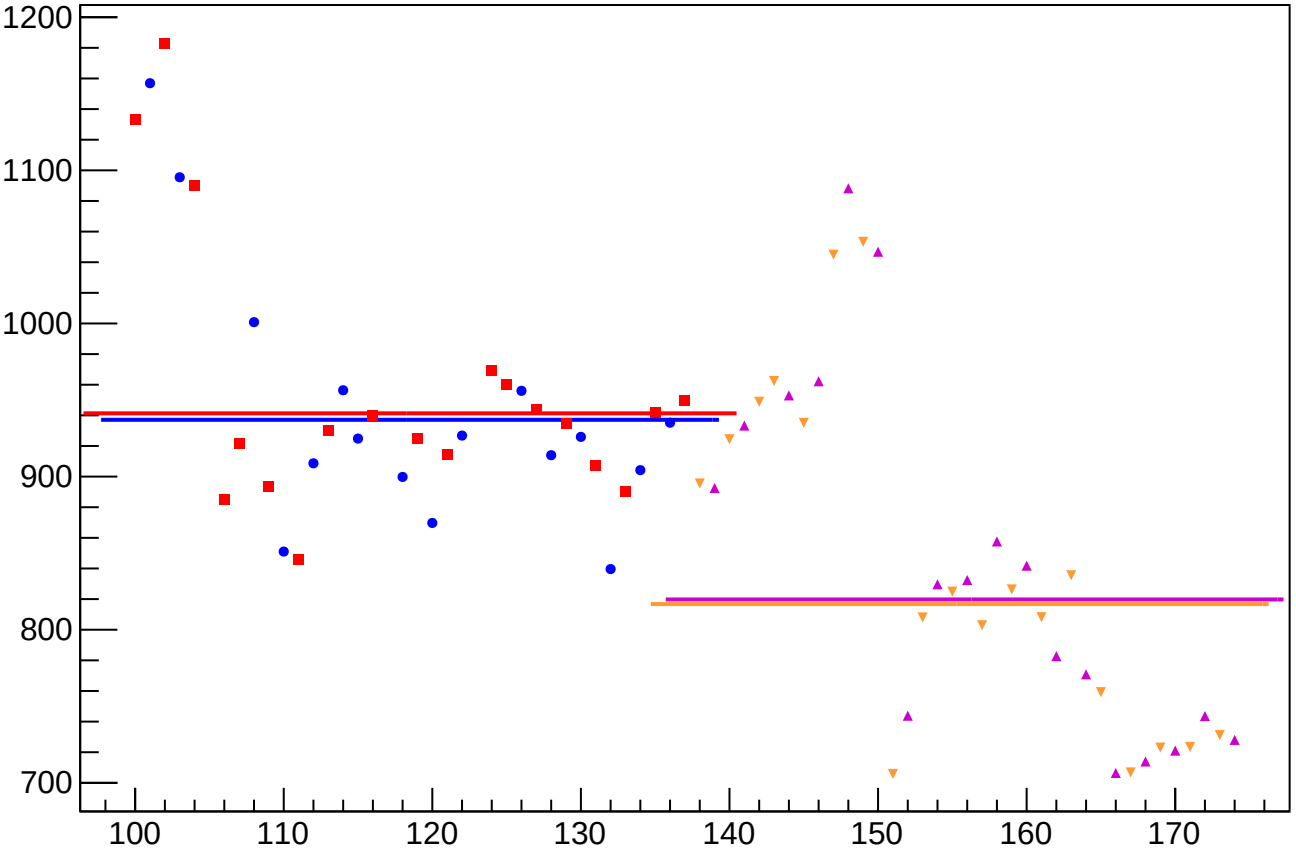
Left In: -48.835+/-0.214 χ^2/NDF:23801.0/17

+ sign -29.417+/-0.182 χ^2/NDF: 35145.4/34

All: -33.719+/-0.129 χ^2/NDF: 88188.7/71

- 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: 816.757+/-0.150 χ^2/NDF:444010.0/18

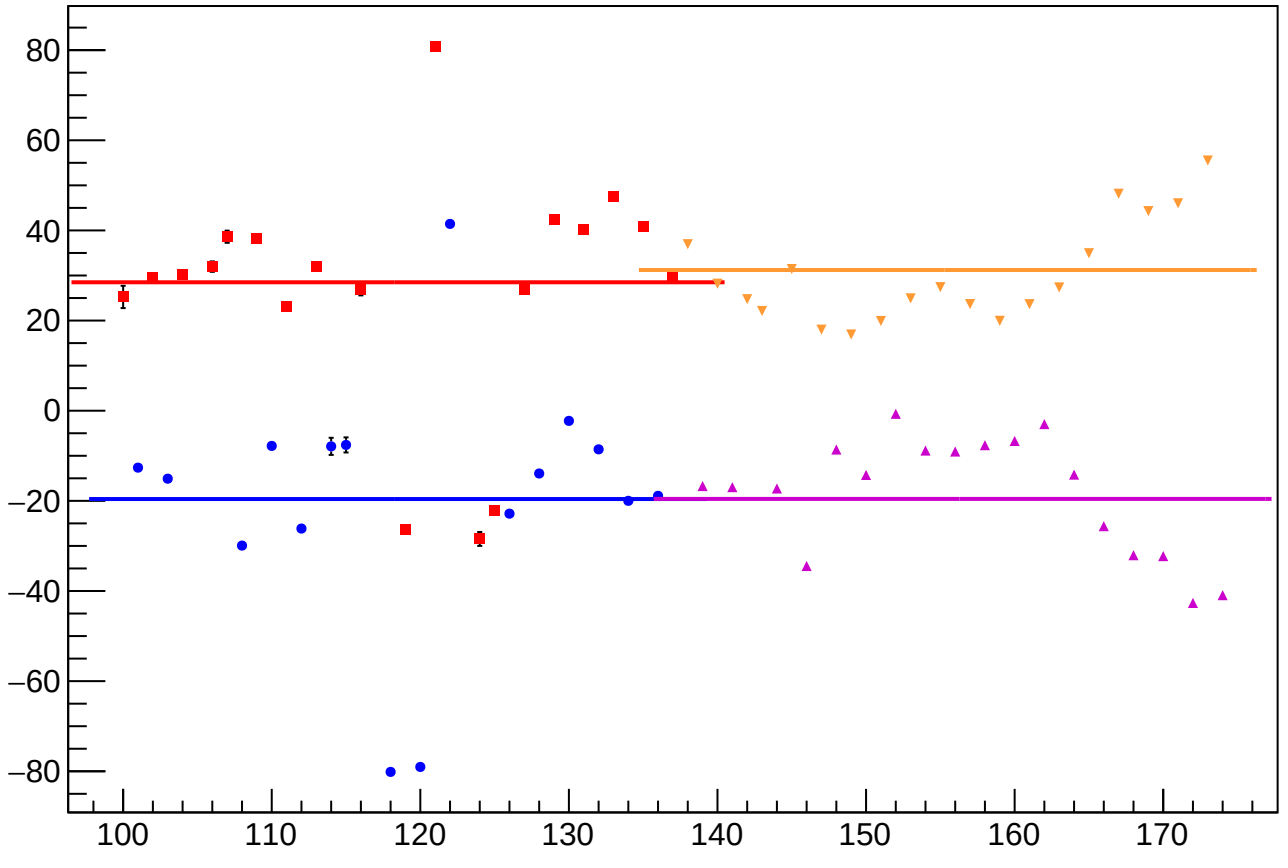
Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 819.763+/-0.152 χ^2/NDF:472263.4/17

+ sign 849.222+/-0.128 χ^2/NDF: 721860.6/34

All: 851.454+/-0.091 χ^2/NDF: 1475222.7/71

- 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: 31.220+/-0.167 χ^2/NDF:4719.7/18

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

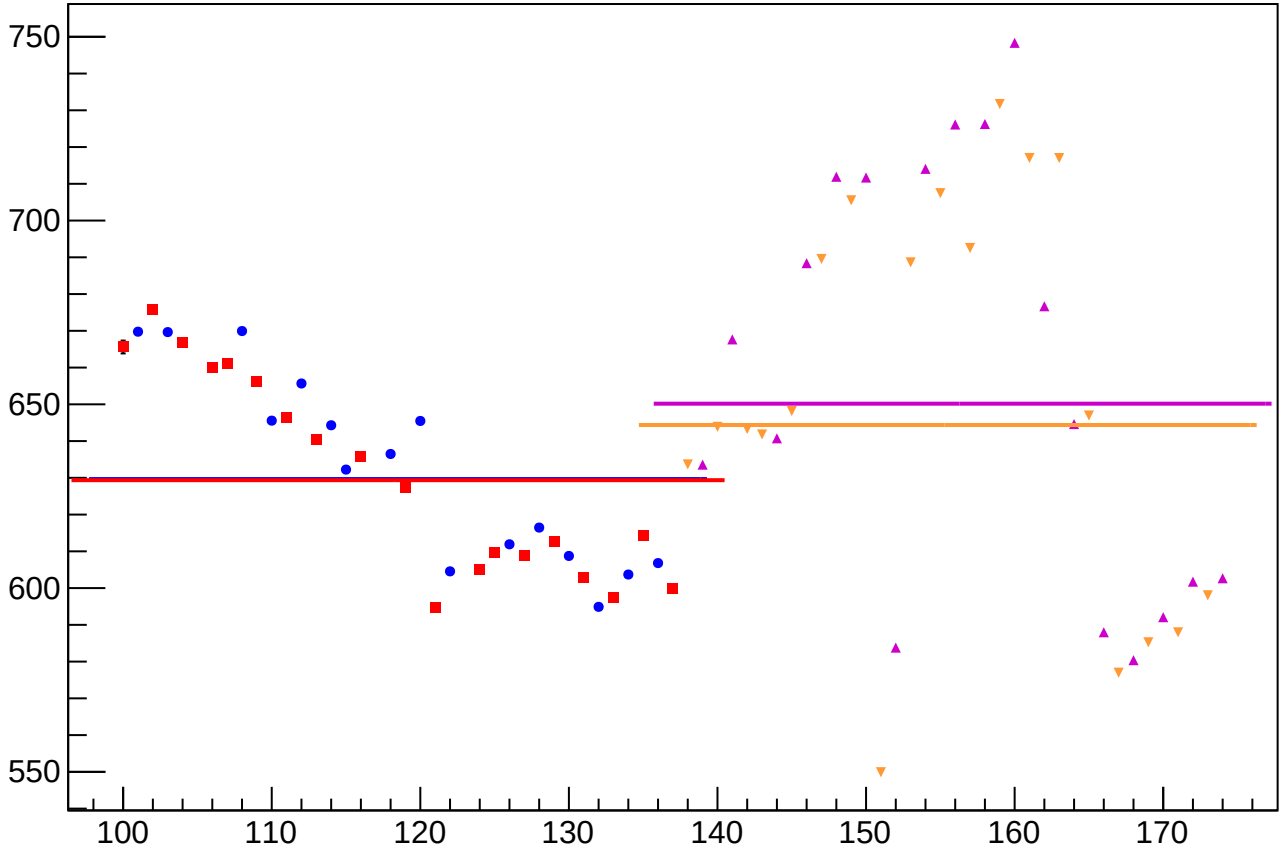
Left In: -19.568+/-0.169 χ^2/NDF:6069.9/17

+ sign 14.073+/-0.136 χ^2/NDF: 49123.1/34

All: 5.744+/-0.096 χ^2/NDF: 104055.2/71

- 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: 644.376+/-0.118 χ^2/NDF:219142.7/18

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

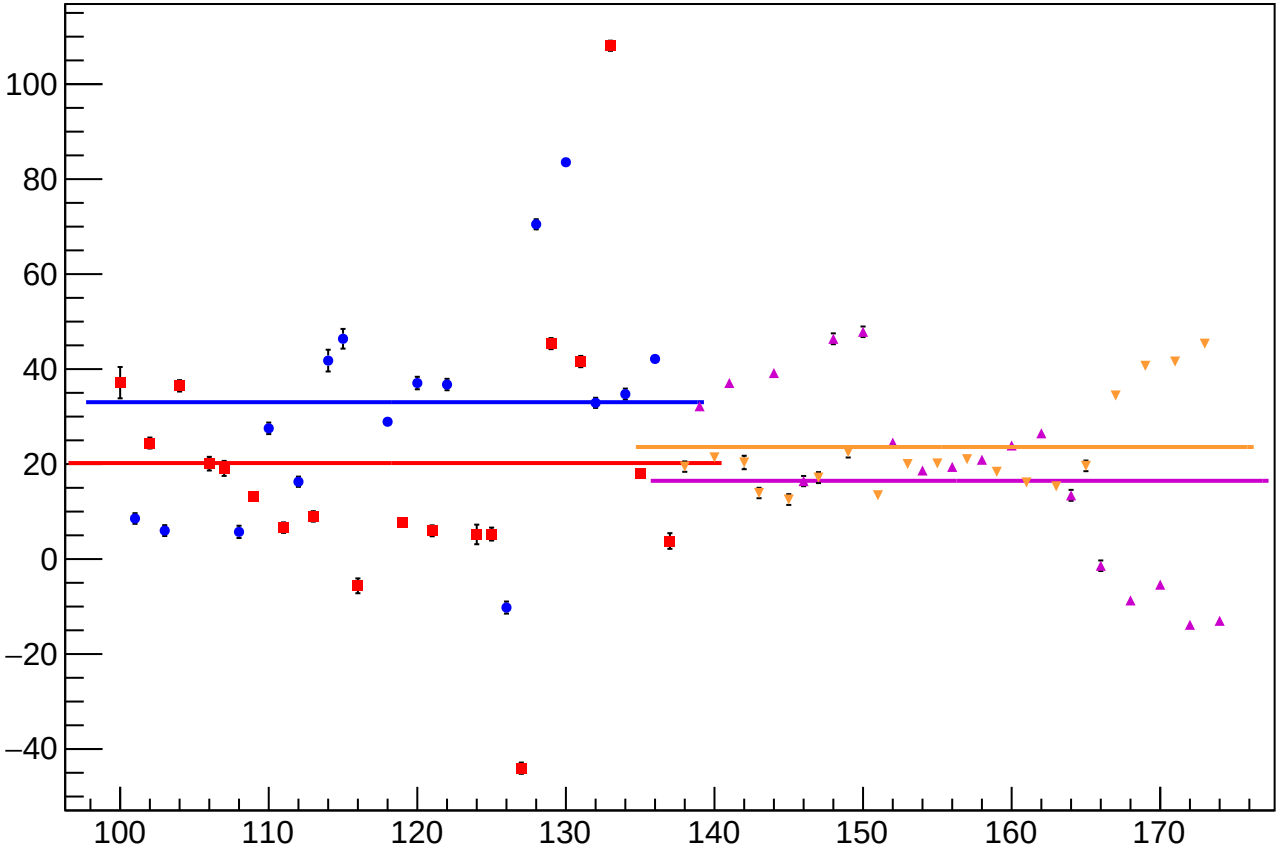
Left In: 650.175+/-0.120 χ^2/NDF:213139.6/17

+ sign 639.411+/-0.096 χ^2/NDF: 249696.7/34

All: 641.121+/-0.068 χ^2/NDF: 500900.4/71

- 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: 23.596+/-0.238 χ^2/NDF:1882.3/18

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

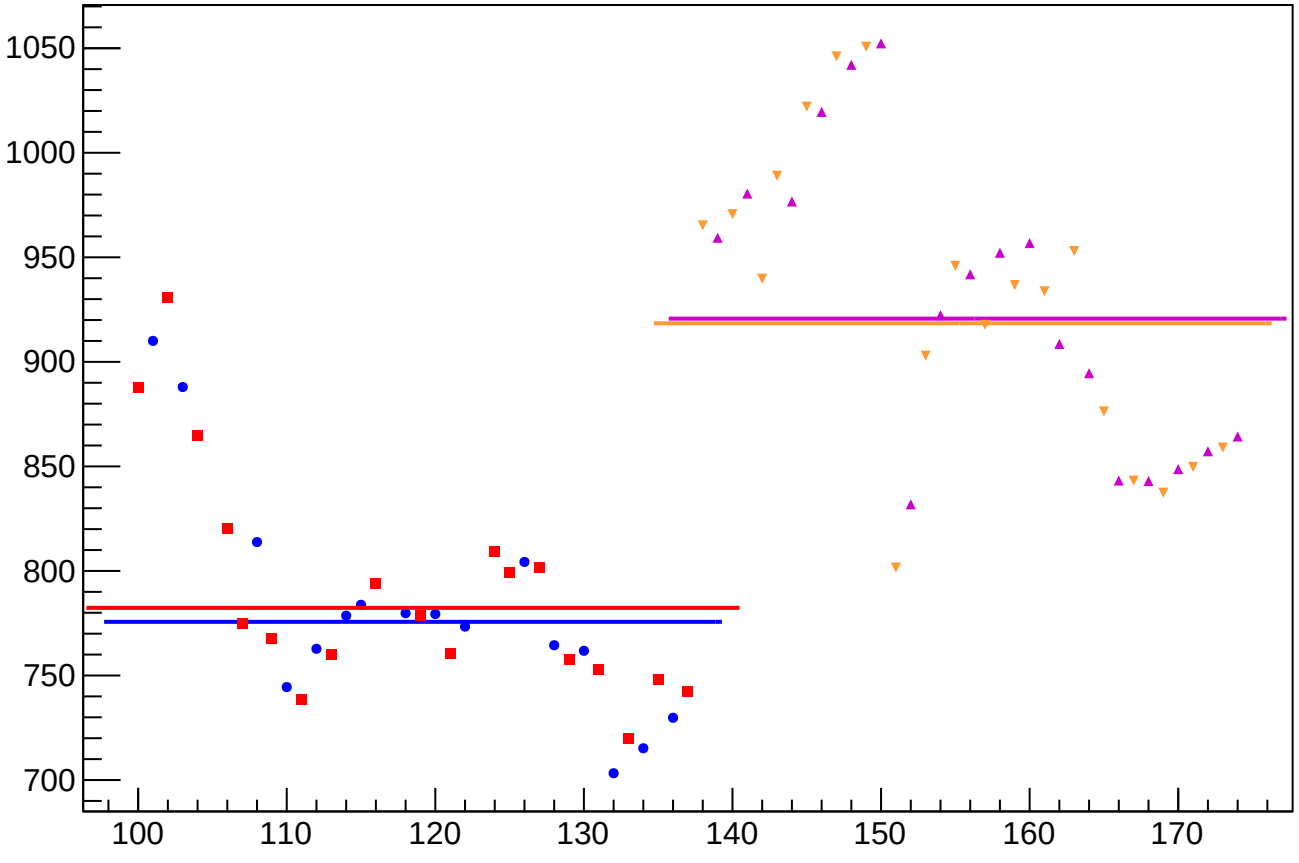
Left In: 16.478+/-0.240 χ^2/NDF:6425.7/17

\+ sign 27.406+/-0.184 χ^2/NDF: 9218.7/34

All: 22.714+/-0.130 χ^2/NDF: 28921.4/71

\- 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: 918.439+/-0.168 χ^2/NDF:175023.7/18

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

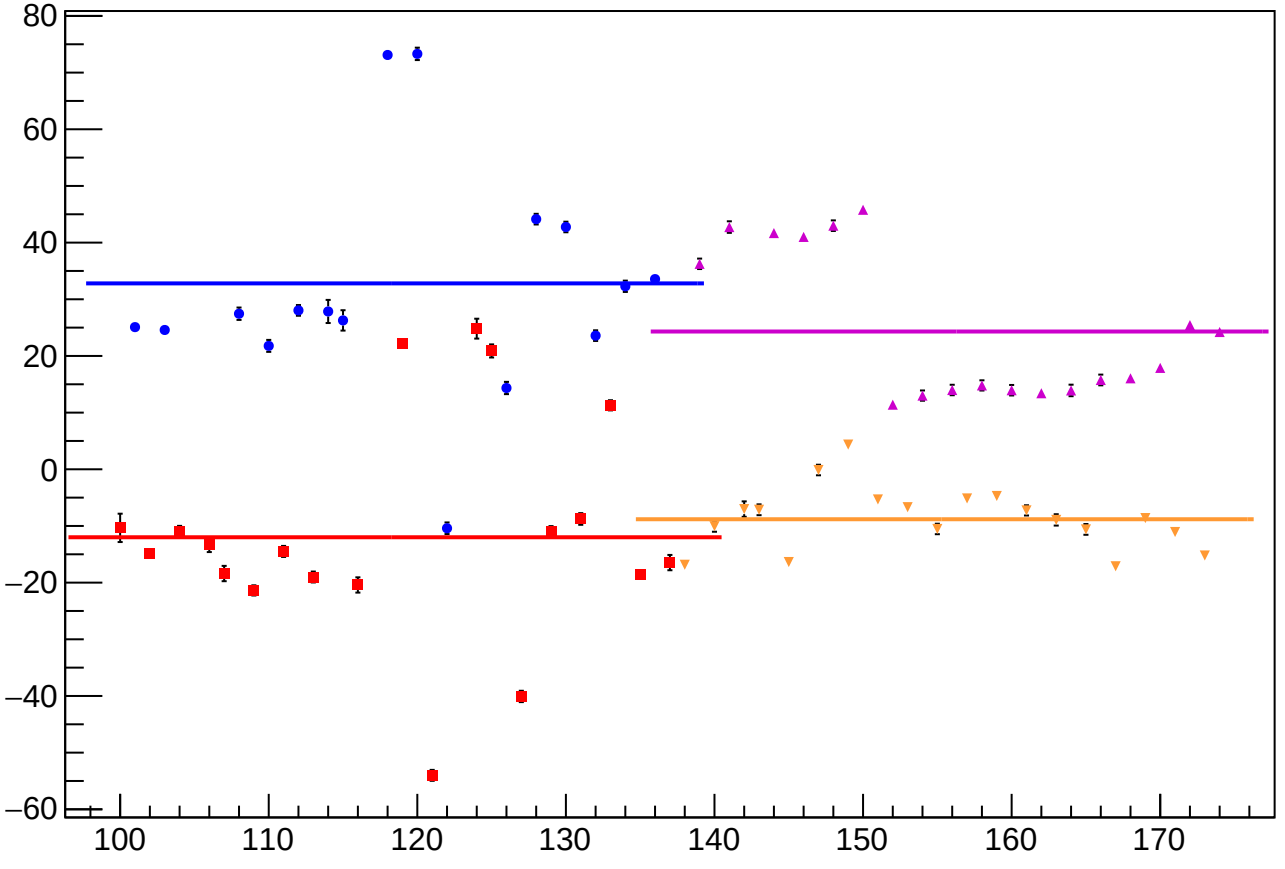
Left In: 920.674+/-0.169 χ^2/NDF:161180.1/17

+ sign 860.800+/-0.130 χ^2/NDF: 540942.1/34

All: 862.221+/-0.092 χ^2/NDF: 1041908.7/71

- 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: -8.815+/-0.202 χ^2/NDF:726.9/18

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

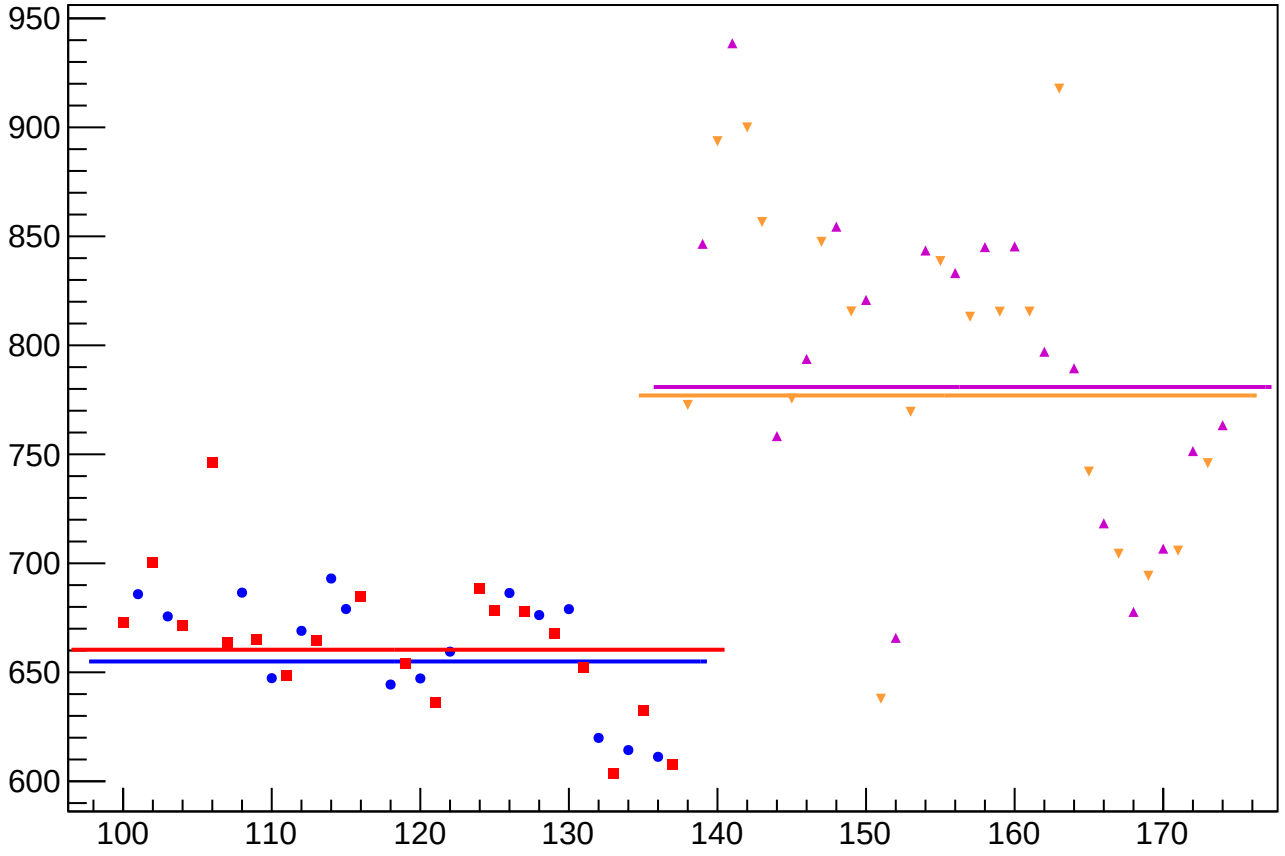
Left In: 24.312+/-0.204 χ^2/NDF:3741.5/17

+ sign 8.143+/-0.155 χ^2/NDF: 24293.8/34

All: 8.655+/-0.110 χ^2/NDF: 47831.5/71

- 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: 776.996+/-0.143 χ^2/NDF:275672.0/18

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

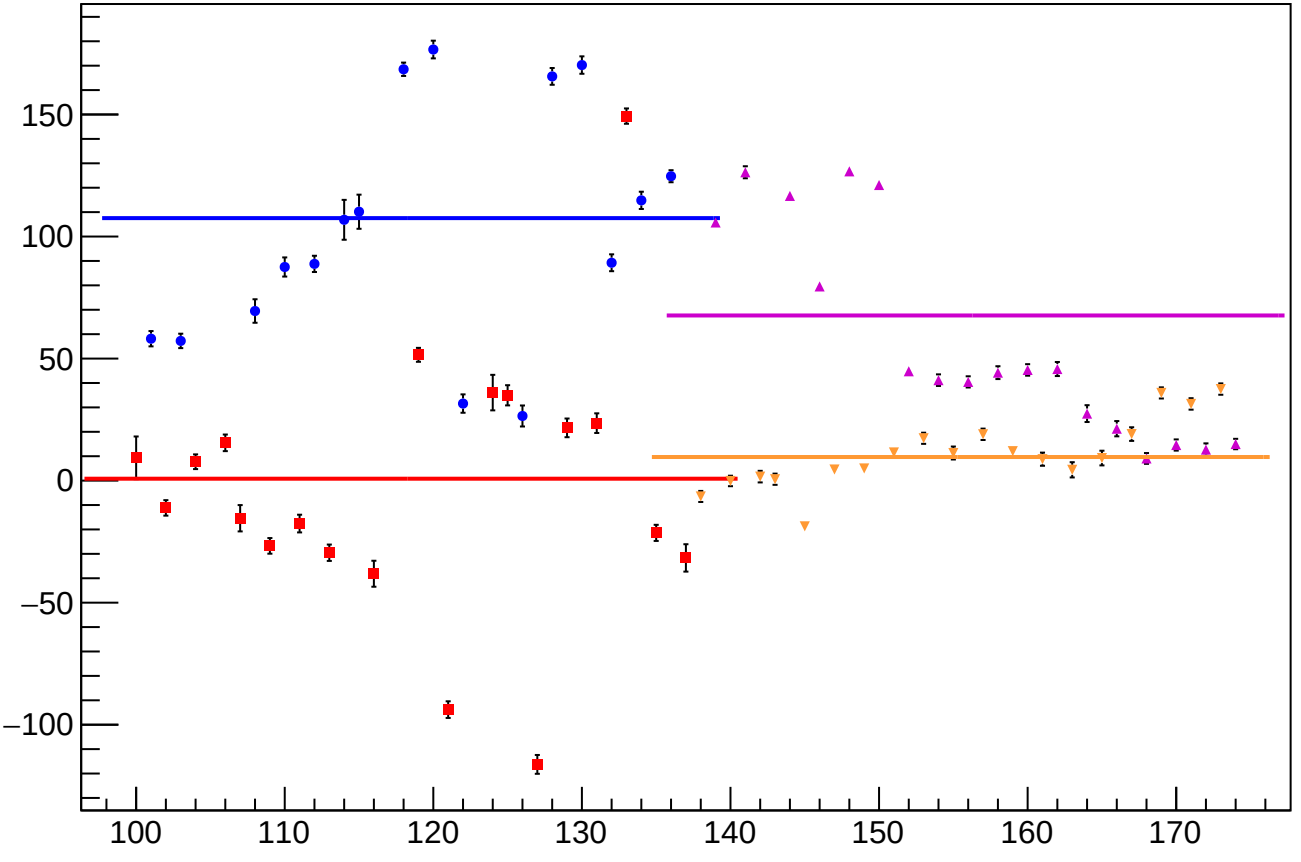
Left In: 780.885+/-0.144 χ^2/NDF:234258.4/17

+ sign 727.277+/-0.110 χ^2/NDF: 599996.0/34

All: 728.941+/-0.078 χ^2/NDF: 1156420.8/71

- 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: 9.672+/-0.514 χ^2/NDF:729.2/18

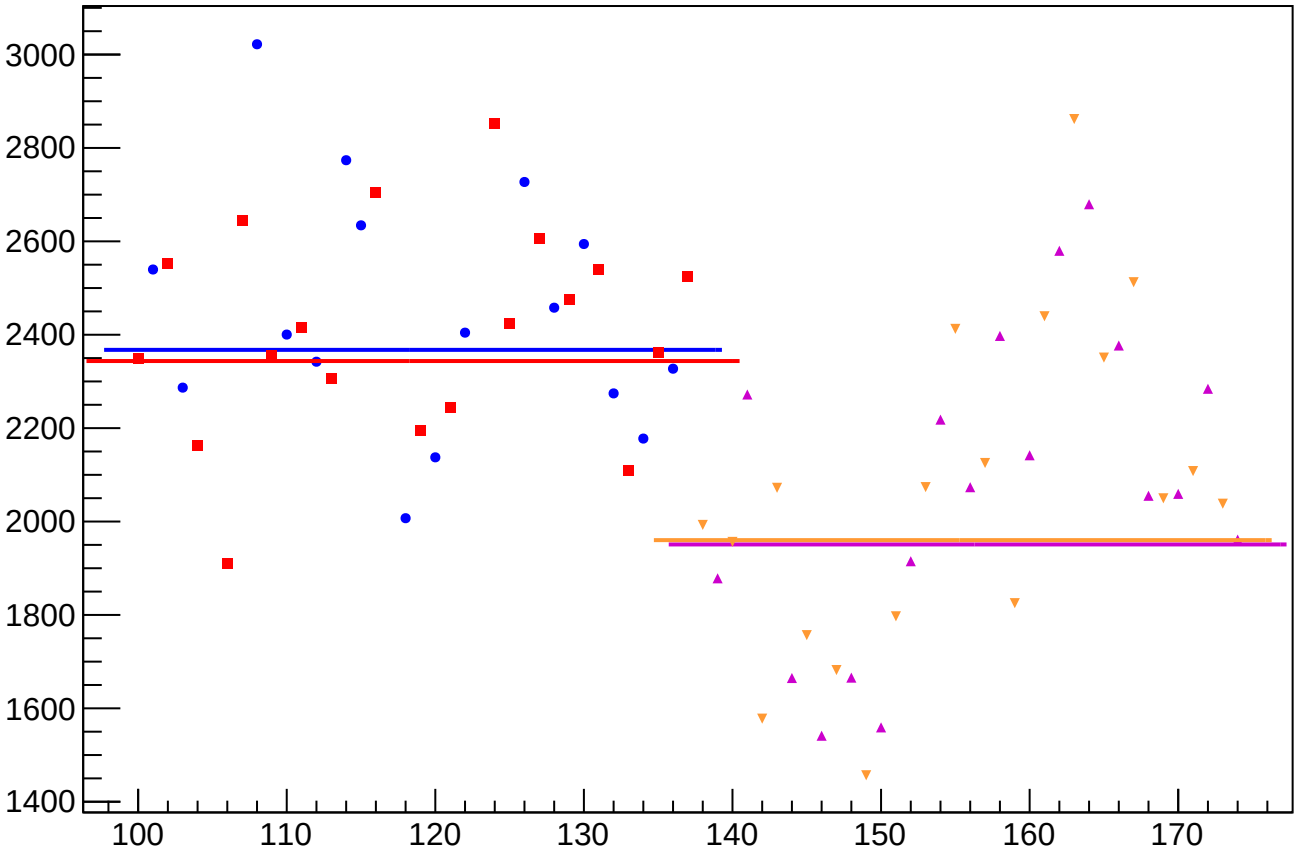
Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: 67.663+/-0.516 χ^2/NDF:7071.7/17

+ sign 34.367+/-0.445 χ^2/NDF: 12823.2/34

All: 42.218+/-0.314 χ^2/NDF: 29719.7/71

- sign 49.991+/-0.443 χ^2/NDF: 16276.1/36



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1960.180+/-0.364 χ^2/NDF:772427.5/18

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

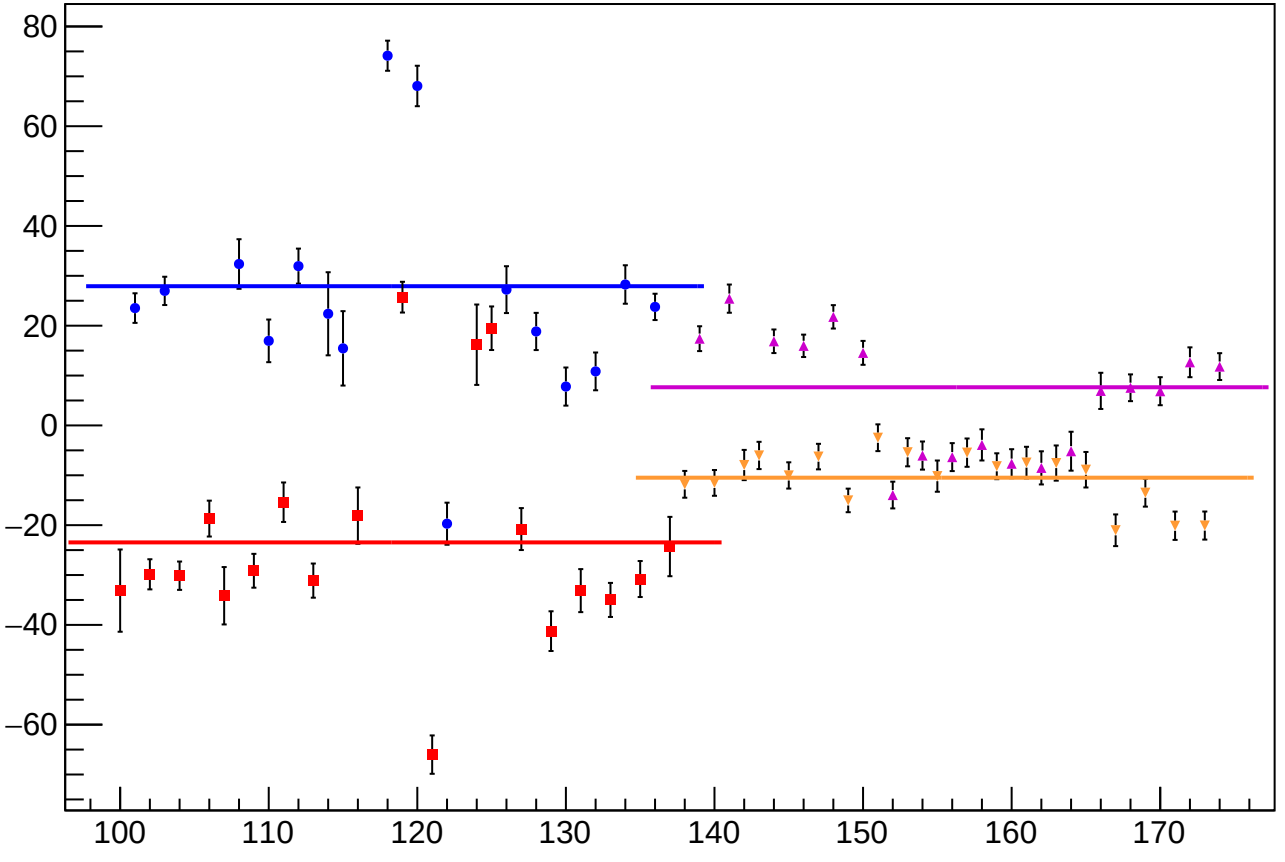
Left In: 1950.942+/-0.365 χ^2/NDF:742909.6/17

+ sign 2062.983+/-0.314 χ^2/NDF: 1215923.0/34

All: 2058.834+/-0.222 χ^2/NDF: 2377789.1/71

- 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: -10.480+/-0.648 χ^2/NDF:63.5/18

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

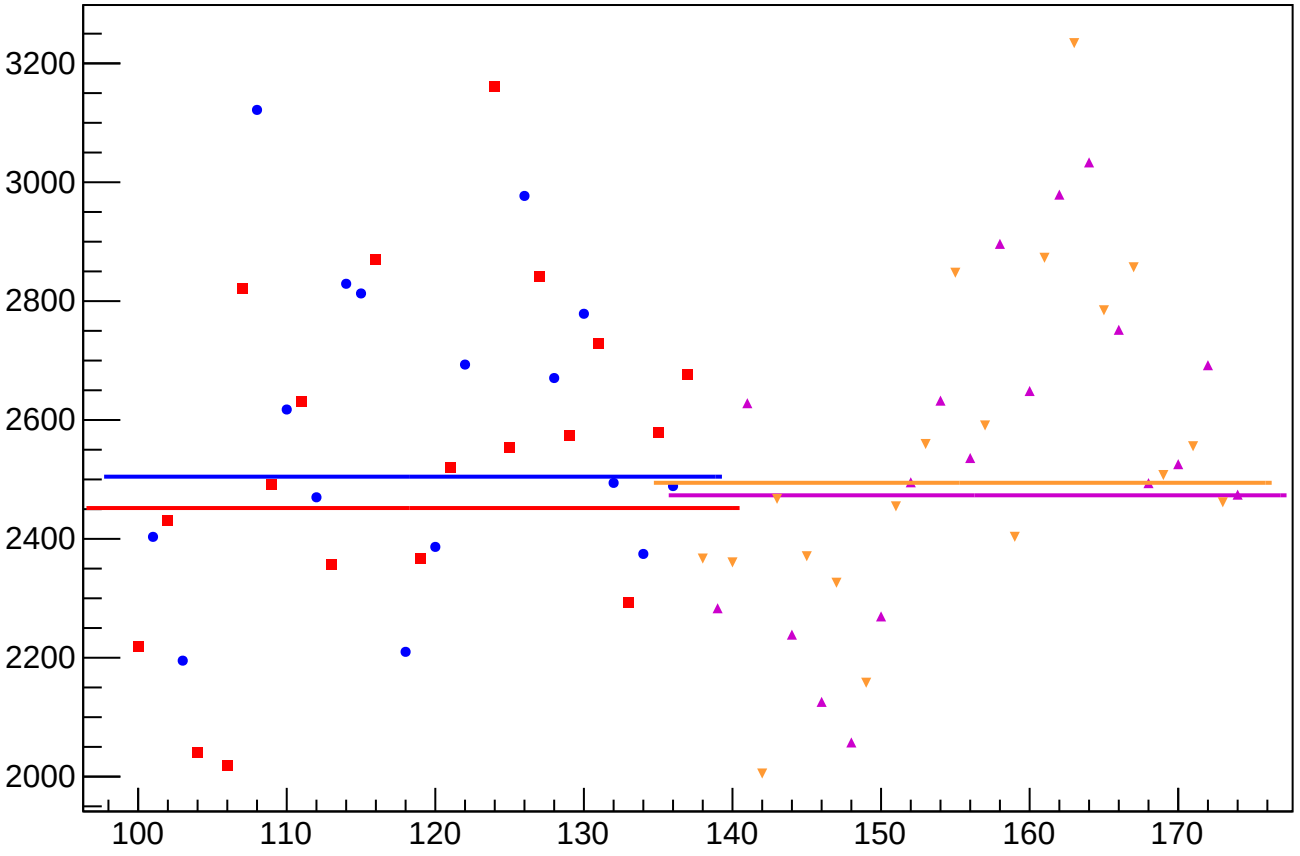
Left In: 7.653+/-0.648 χ^2/NDF:322.9/17

+ sign 1.945+/-0.533 χ^2/NDF: 1730.5/34

All: -0.524+/-0.375 χ^2/NDF: 3447.4/71

- 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: 2494.355+/-0.458 χ^2/NDF:304448.5/18

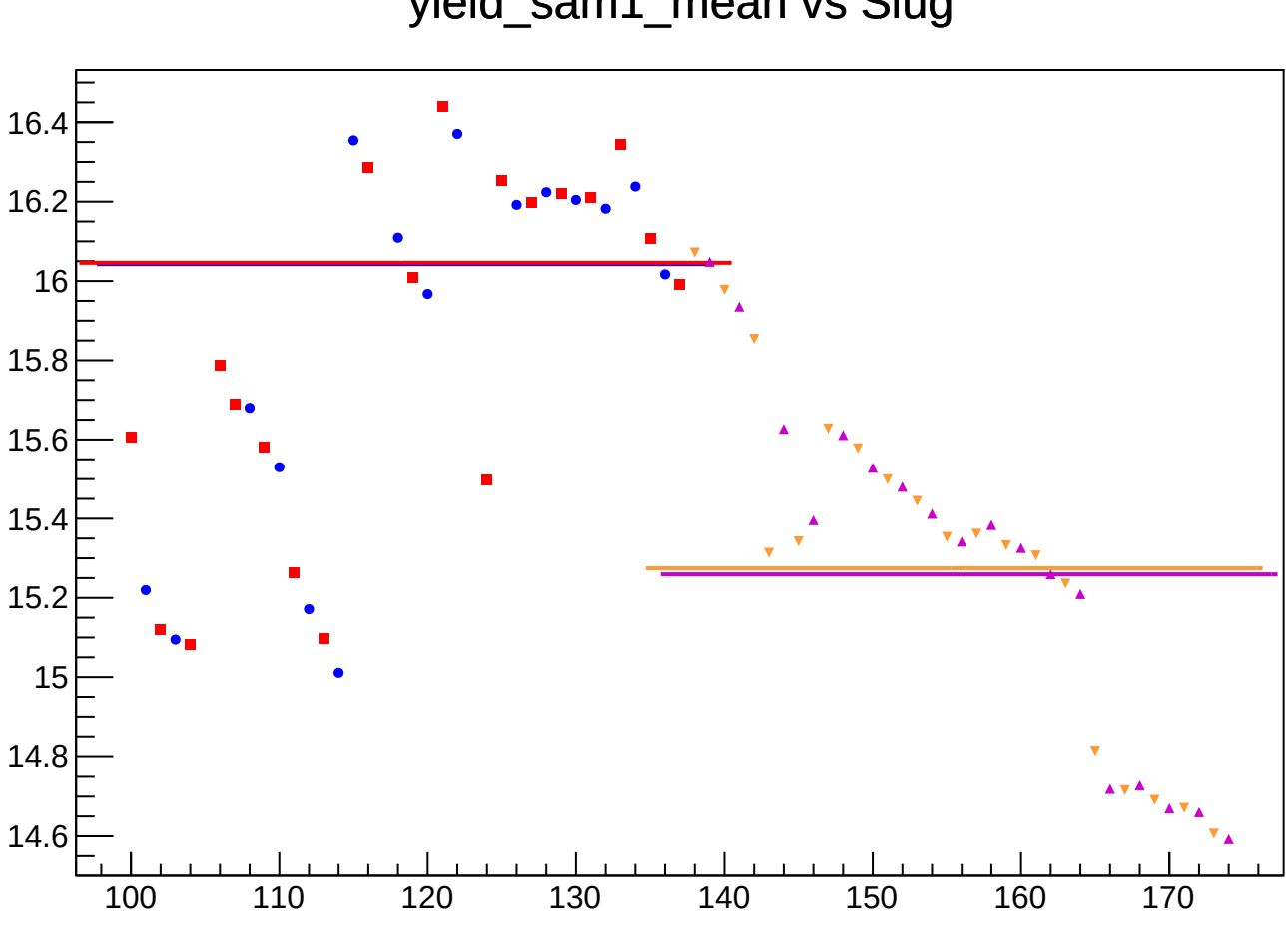
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2473.289+/-0.458 χ^2/NDF:324765.3/17

+ sign 2497.688+/-0.377 χ^2/NDF: 431211.1/34

All: 2481.656+/-0.265 χ^2/NDF: 913533.4/71

- 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: 15.275+/-0.000 χ^2/NDF:24199897473.4/18

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

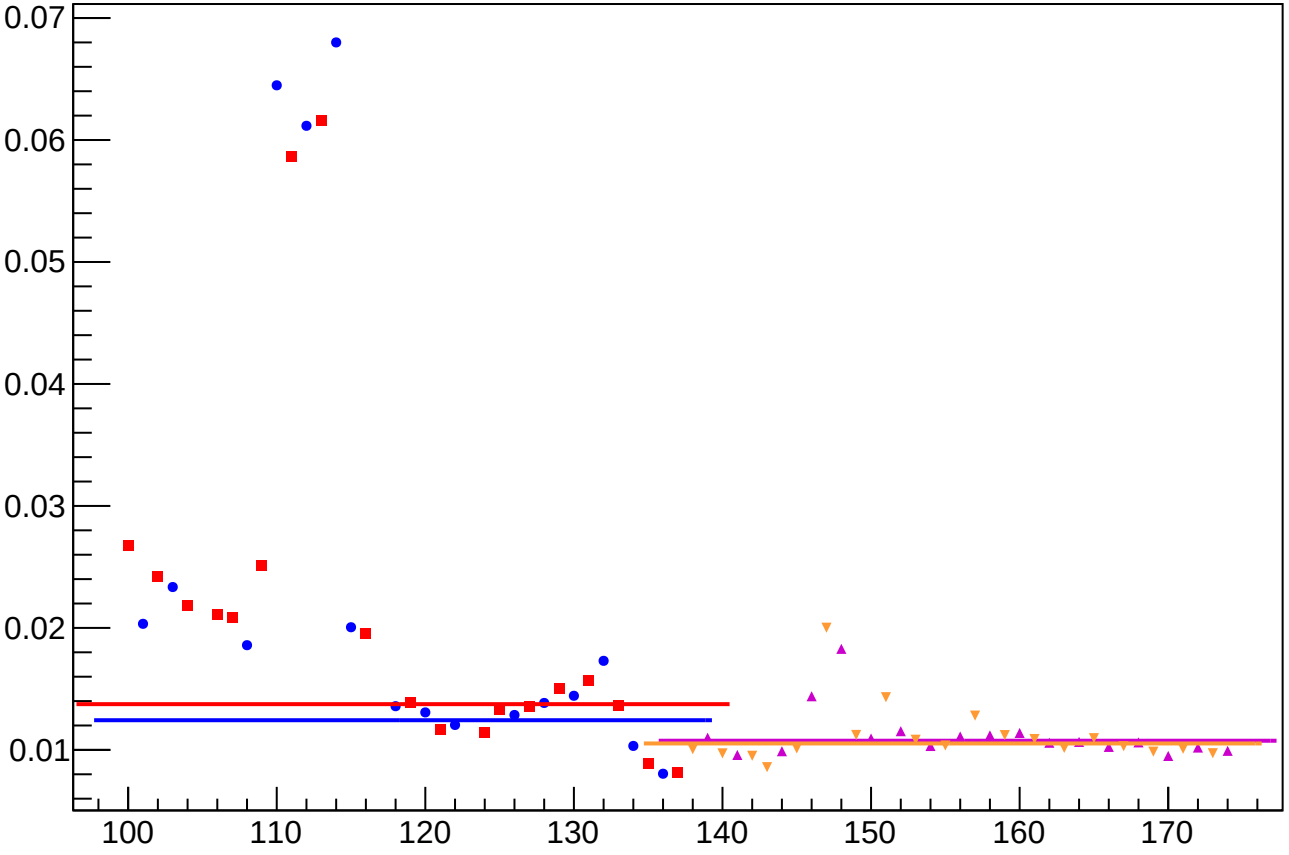
Left In: 15.260+/-0.000 χ^2/NDF:24109881575.8/17

+ sign 15.444+/-0.000 χ^2/NDF: 43417347470.0/34

All: 15.431+/-0.000 χ^2/NDF: 86023547266.4

- 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: 0.011+/-0.000 χ^2/NDF:663348.6/18

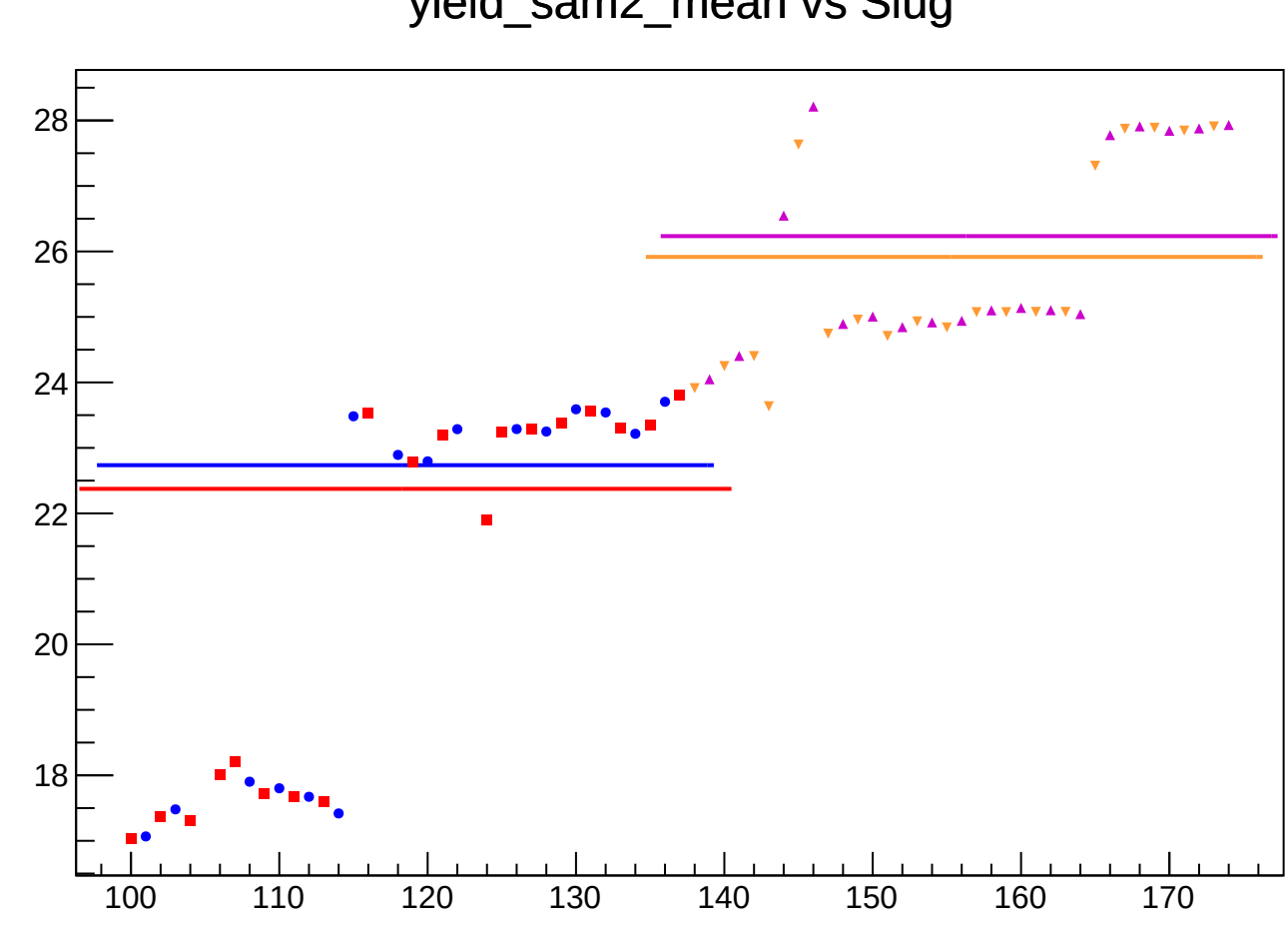
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:477049.0/17

+ sign 0.011+/-0.000 χ^2/NDF: 3181989.2/34

All: 0.011+/-0.000 χ^2/NDF: 6348410.0/71

- 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: 25.916+/-0.000 χ^2/NDF:2653670797.8/18

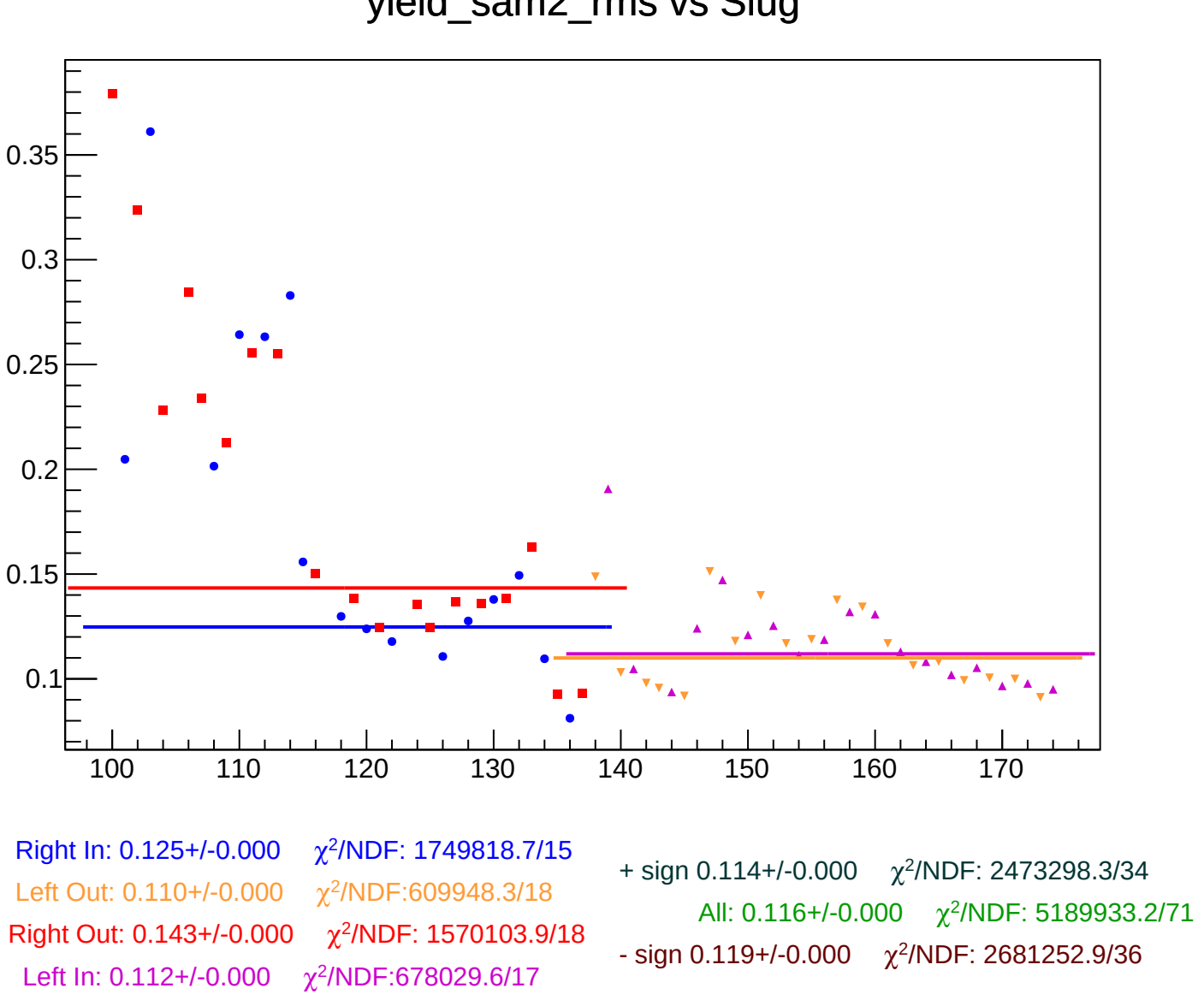
Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 26.234+/-0.000 χ^2/NDF:2160101374.2/17

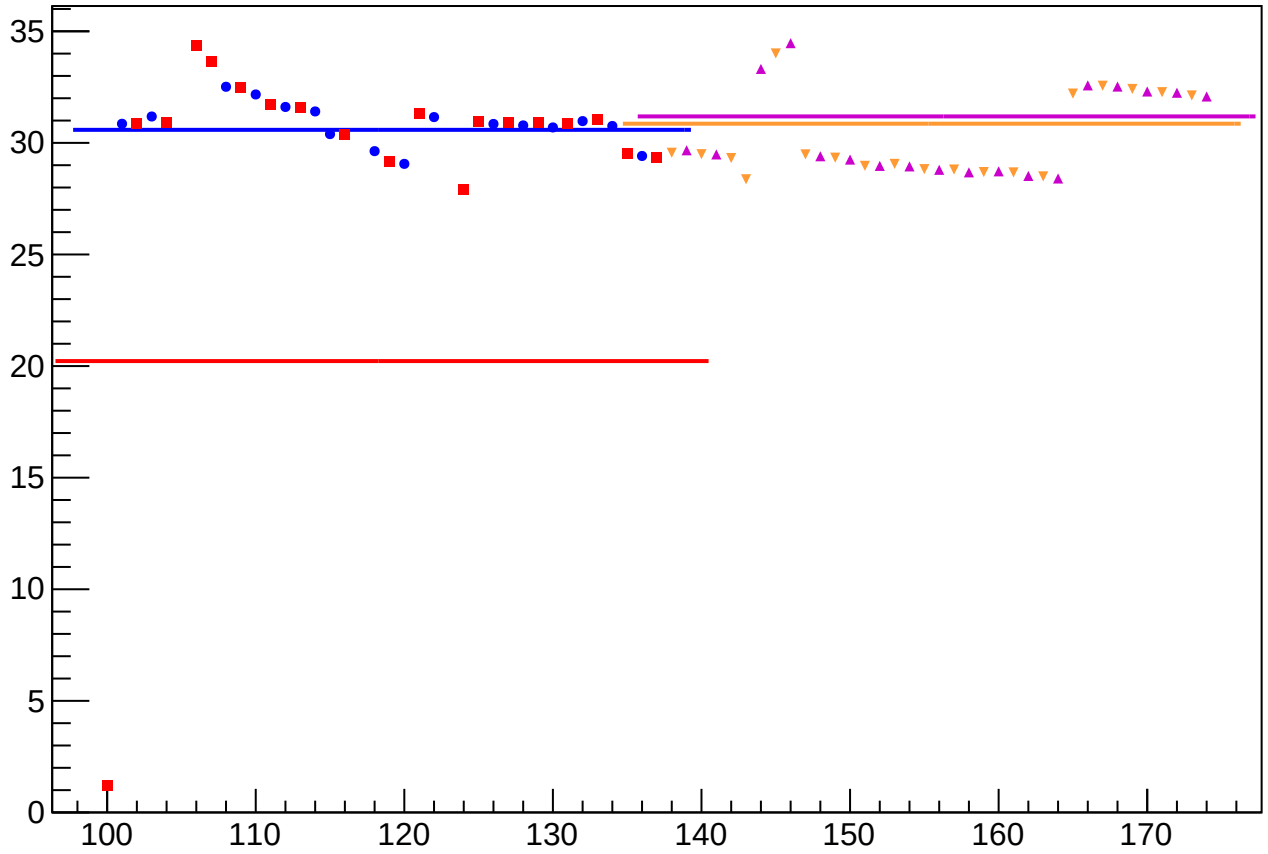
+ sign 25.137+/-0.000 χ^2/NDF: 6497066555.0/34

All: 25.263+/-0.000 χ^2/NDF: 13183847232.6

- sign 25.401+/-0.000 χ^2/NDF: 6639875595.1/36


yield_sam2_rms vs Slug
0.35
0.3
0.25
0.2
0.15
0.1
100
110
120
130
140
150
160
170
Right In: 0.125+/-0.000 χ²/NDF: 1749818.7/15
Left Out: 0.110+/-0.000 χ²/NDF:609948.3/18
Right Out: 0.143+/-0.000 χ²/NDF: 1570103.9/18
Left In: 0.112+/-0.000 χ²/NDF:678029.6/17
+ sign 0.114+/-0.000 χ²/NDF: 2473298.3/34
All: 0.116+/-0.000 χ²/NDF: 5189933.2/71
- sign 0.119+/-0.000 χ²/NDF: 2681252.9/36

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.859+/-0.000 χ^2/NDF:11450969390.1/18

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

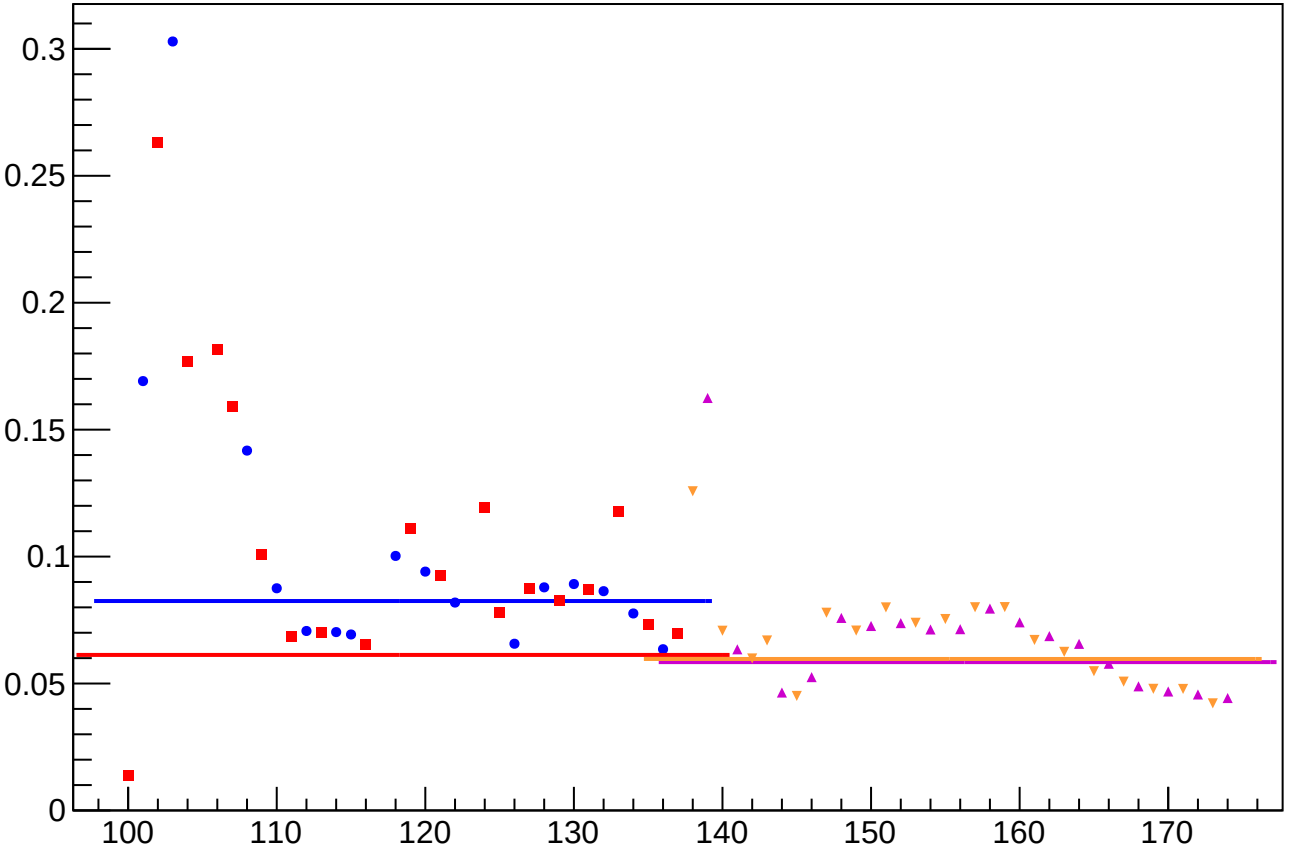
Left In: 31.186+/-0.000 χ^2/NDF:12479802938.7/17

+ sign 30.805+/-0.000 χ^2/NDF: 12150212372.7/34

All: 29.560+/-0.000 χ^2/NDF: 355396339880.

- 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:1449297.0/18

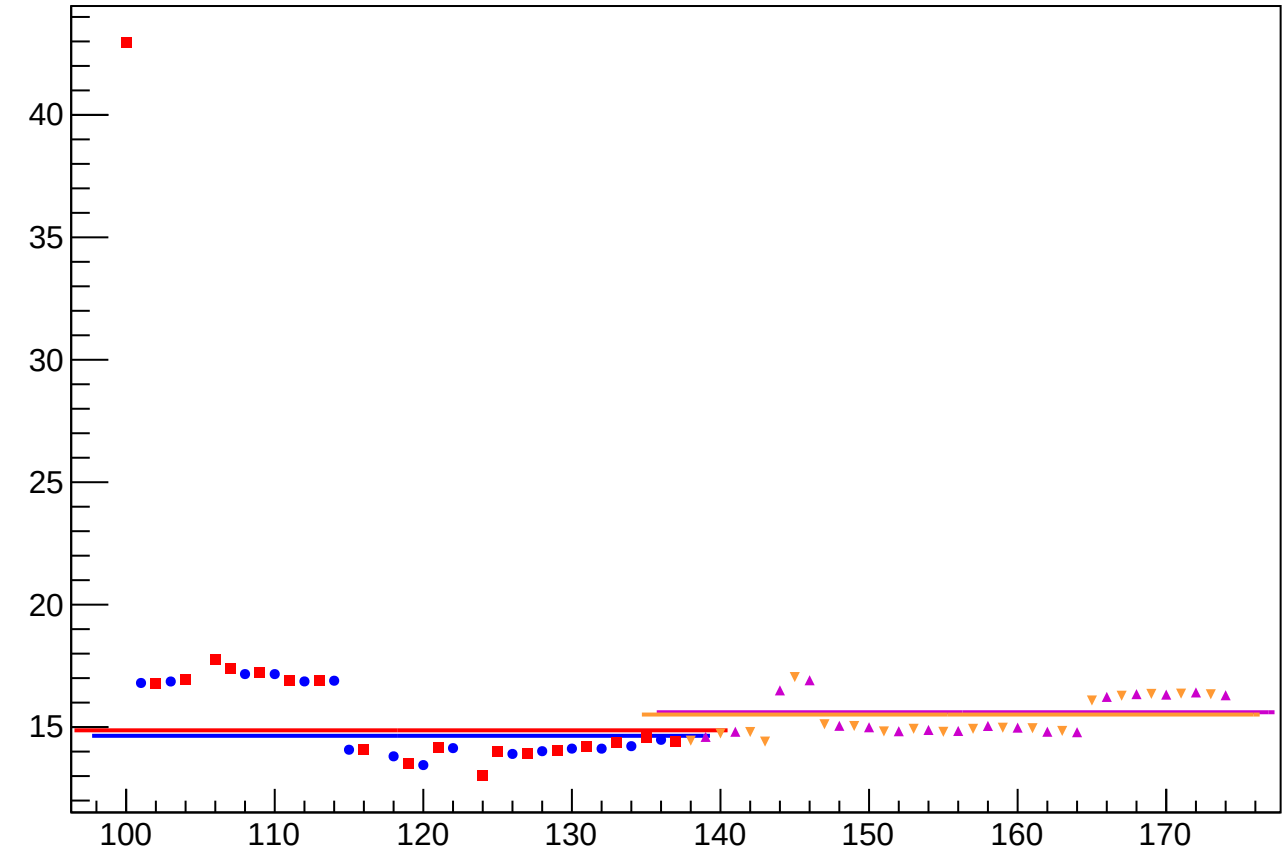
Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.058+/-0.000 χ^2/NDF:1642335.1/17

+ sign 0.064+/-0.000 χ^2/NDF: 3358498.7/34

All: 0.062+/-0.000 χ^2/NDF: 9132032.5/71

- sign 0.059+/-0.000 χ^2/NDF: 5669681.1/36



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.513+/-0.000 χ^2/NDF:2027682650.1/18

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

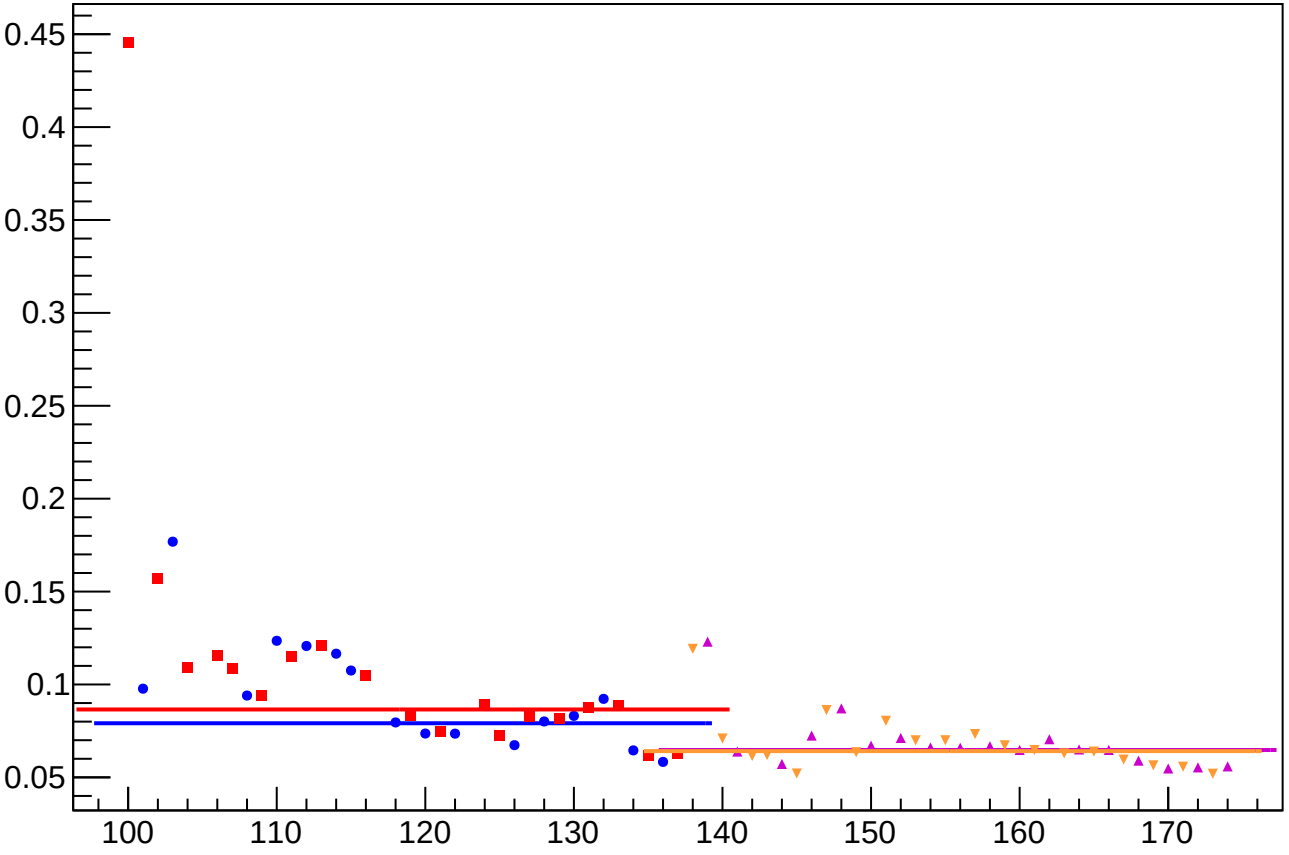
Left In: 15.606+/-0.000 χ^2/NDF:1790176078.6/17

+ sign 15.308+/-0.000 χ^2/NDF: 3762627878.6/34

All: 15.376+/-0.000 χ^2/NDF: 7671218489.4/7

- 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:733966.5/18

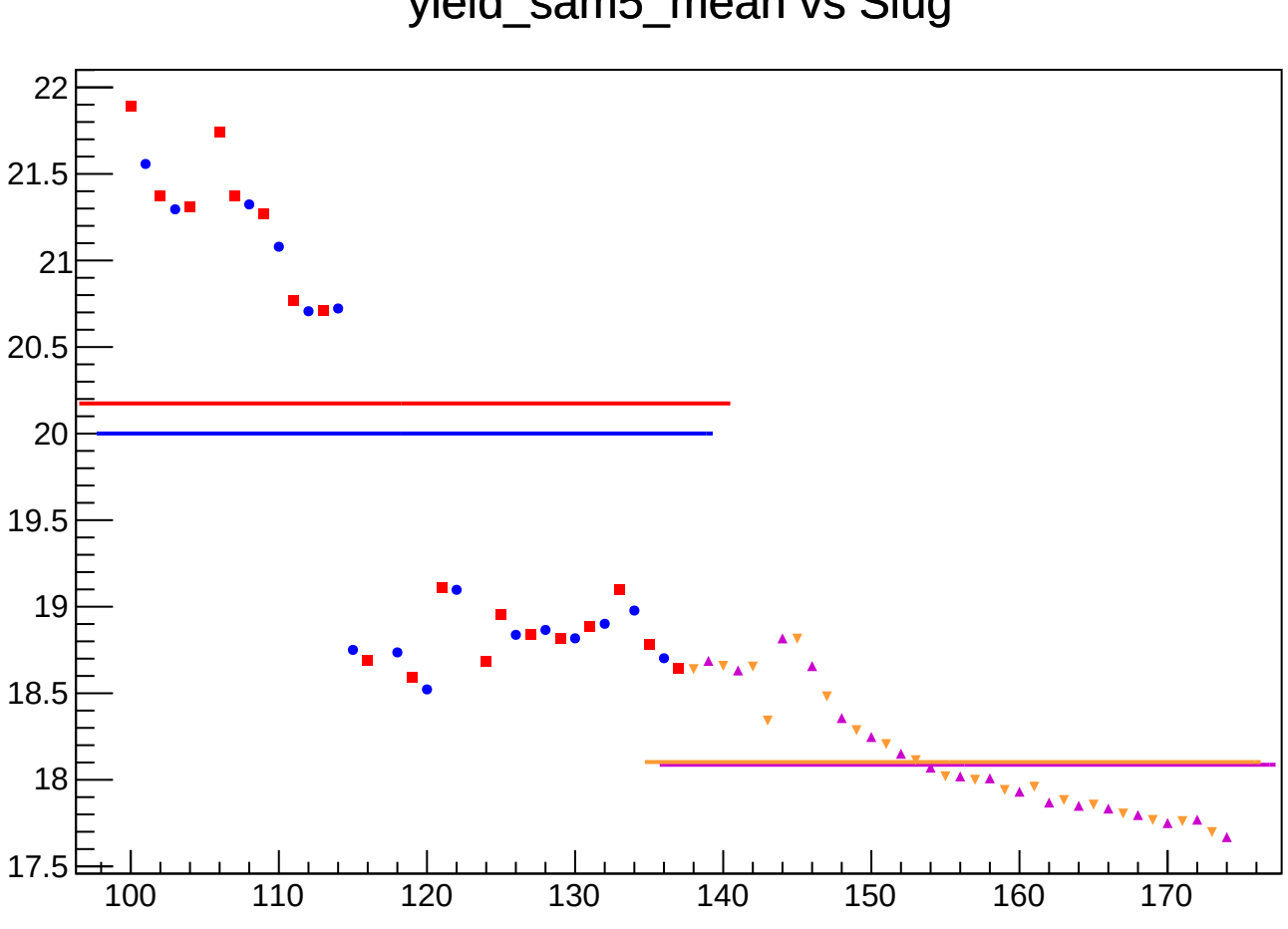
Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.065+/-0.000 χ^2/NDF:674639.0/17

+ sign 0.068+/-0.000 χ^2/NDF: 1974841.1/34

All: 0.069+/-0.000 χ^2/NDF: 4068106.6/71

- 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: 18.103+/-0.000 χ^2/NDF:1719667049.3/18

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

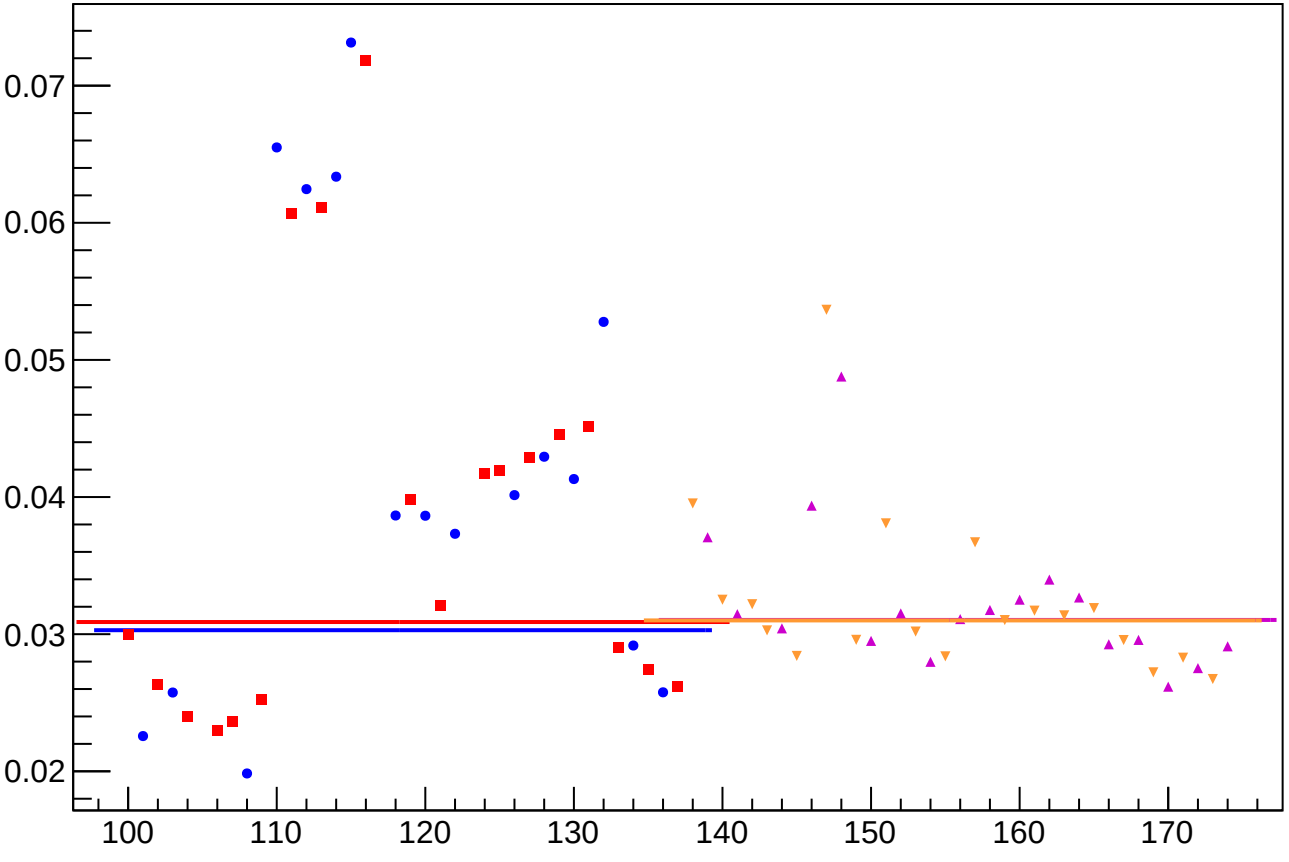
Left In: 18.087+/-0.000 χ^2/NDF:1796734016.4/17

+ sign 18.683+/-0.000 χ^2/NDF: 28843509850.1/34

All: 18.708+/-0.000 χ^2/NDF: 60713391454.8

- 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:572671.6/18

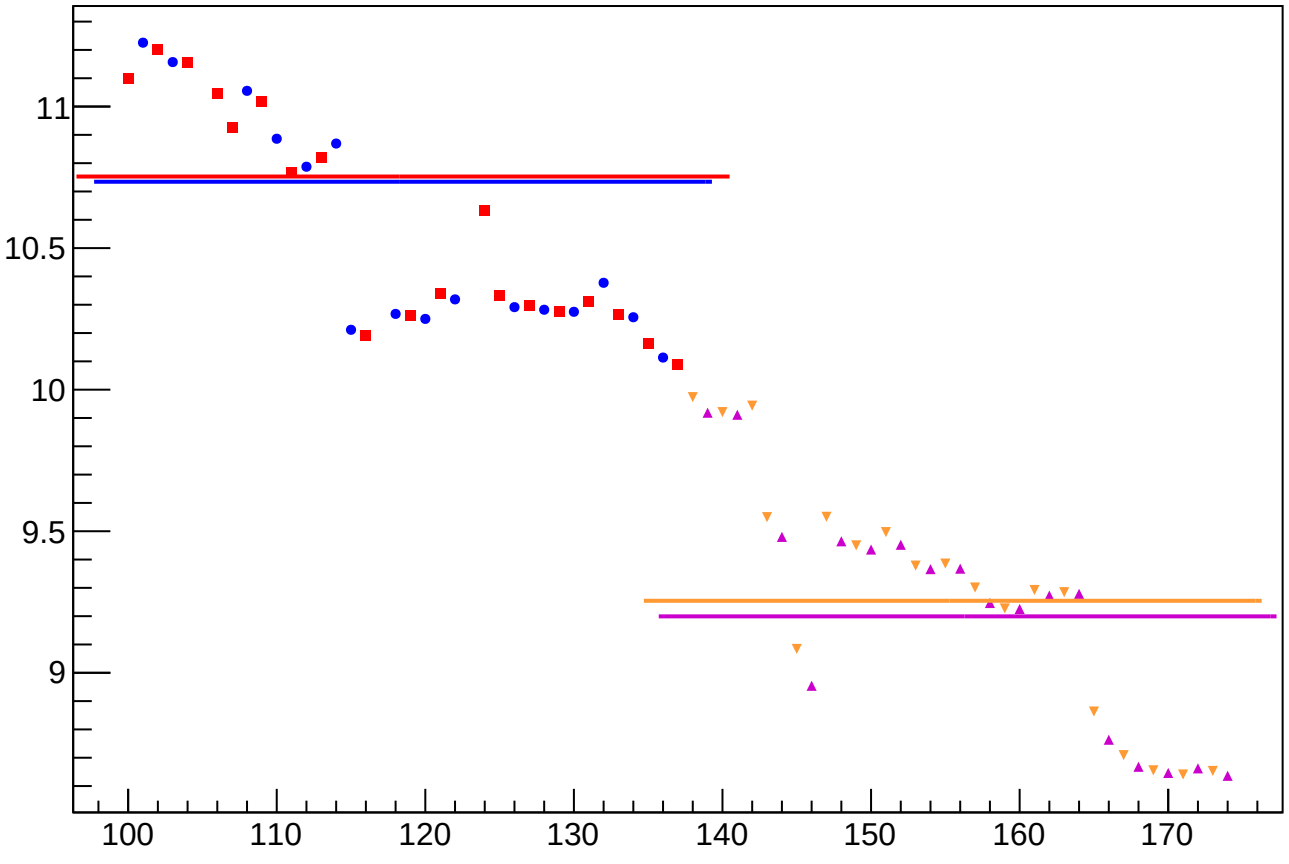
Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.031+/-0.000 χ^2/NDF:466247.3/17

+ sign 0.031+/-0.000 χ^2/NDF: 2024633.6/34

All: 0.031+/-0.000 χ^2/NDF: 3696712.9/71

- sign 0.031+/-0.000 χ^2/NDF: 1671182.3/36



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.254+/-0.000 χ^2/NDF:6290416483.8/18

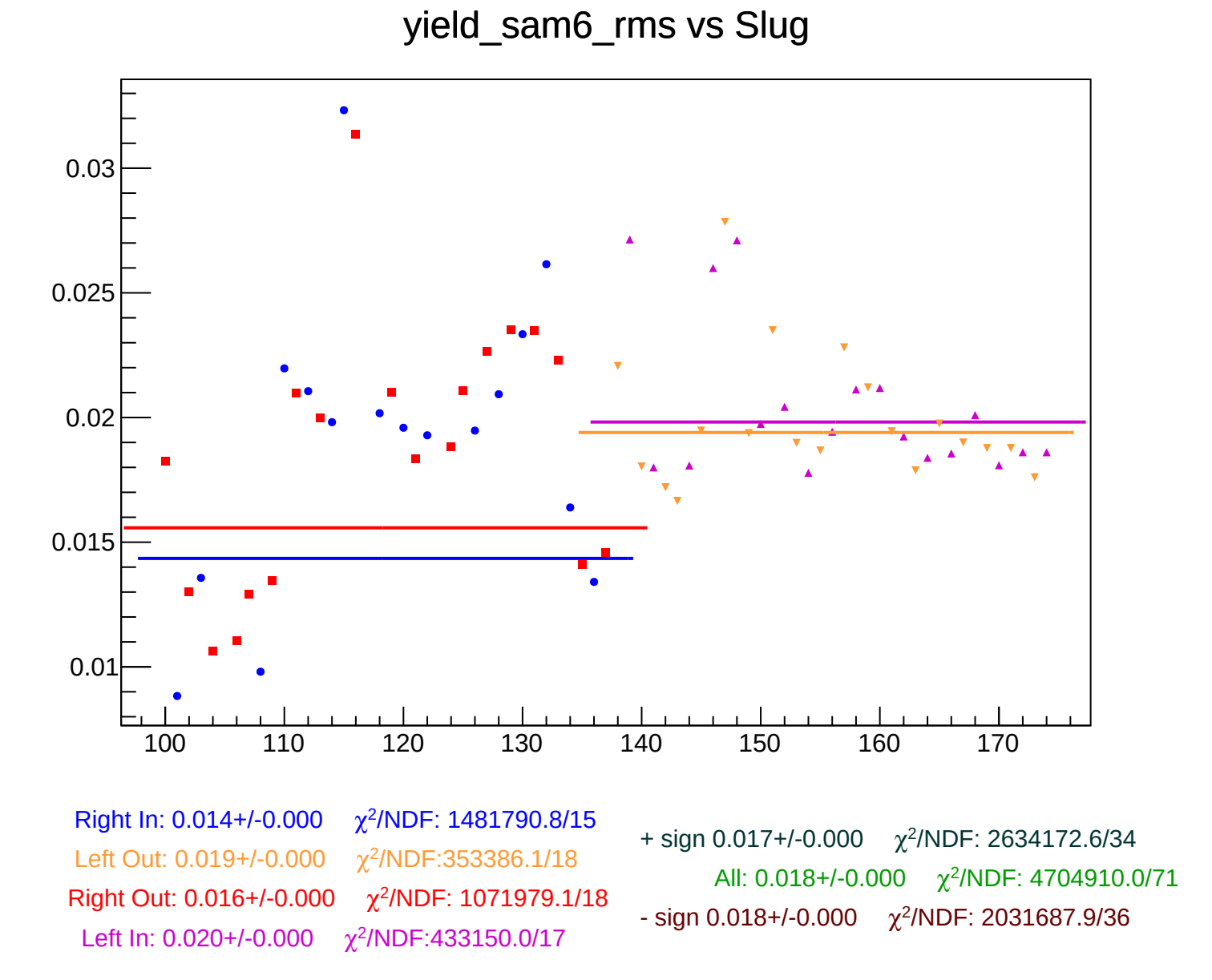
Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.199+/-0.000 χ^2/NDF:5452184485.3/17

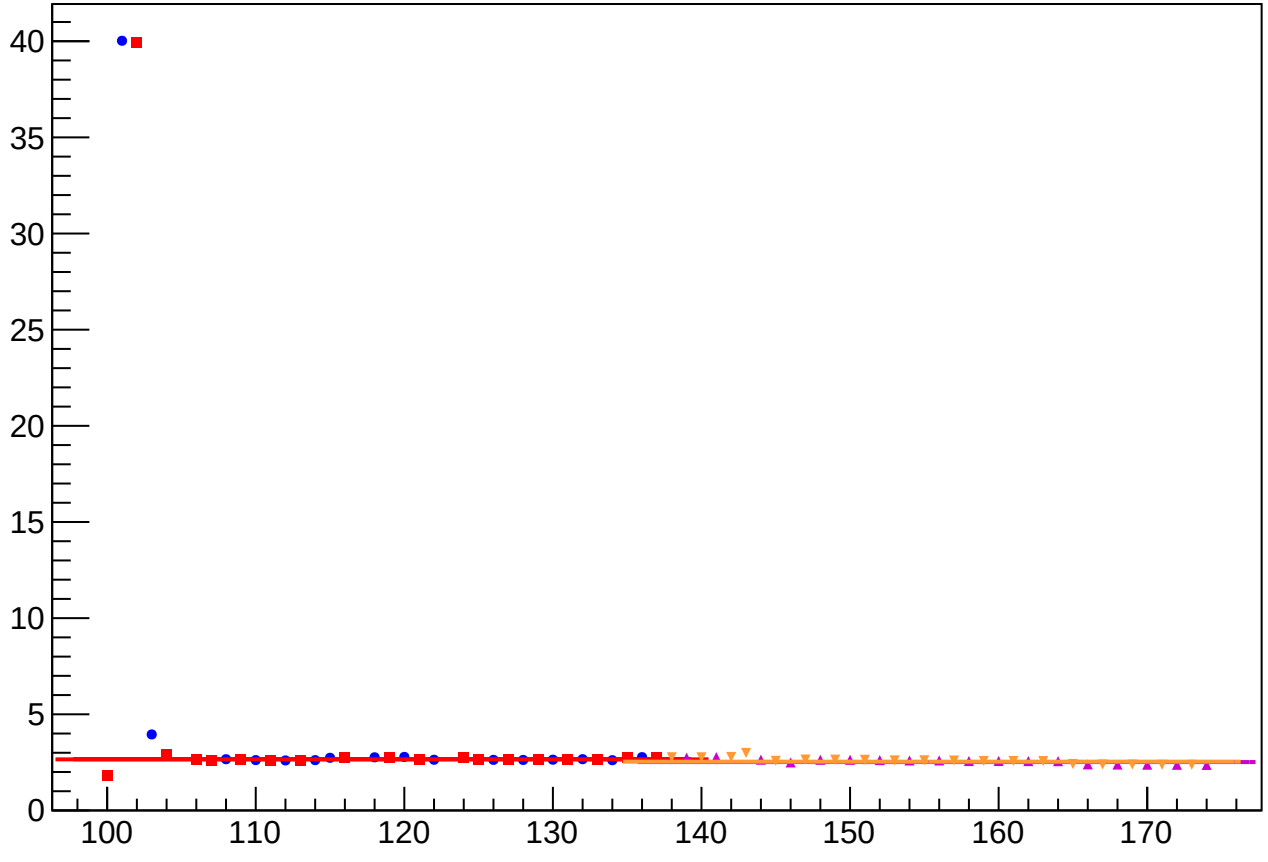
+ sign 9.895+/-0.000 χ^2/NDF: 46472121479.0/34

All: 9.879+/-0.000 χ^2/NDF: 91594119071.1/7

- 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:353386.1/18
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: 2634172.6/34
All: 0.018+/-0.000 χ²/NDF: 4704910.0/71
- 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: 2.537+/-0.000 χ^2/NDF:66681457165.9/18

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

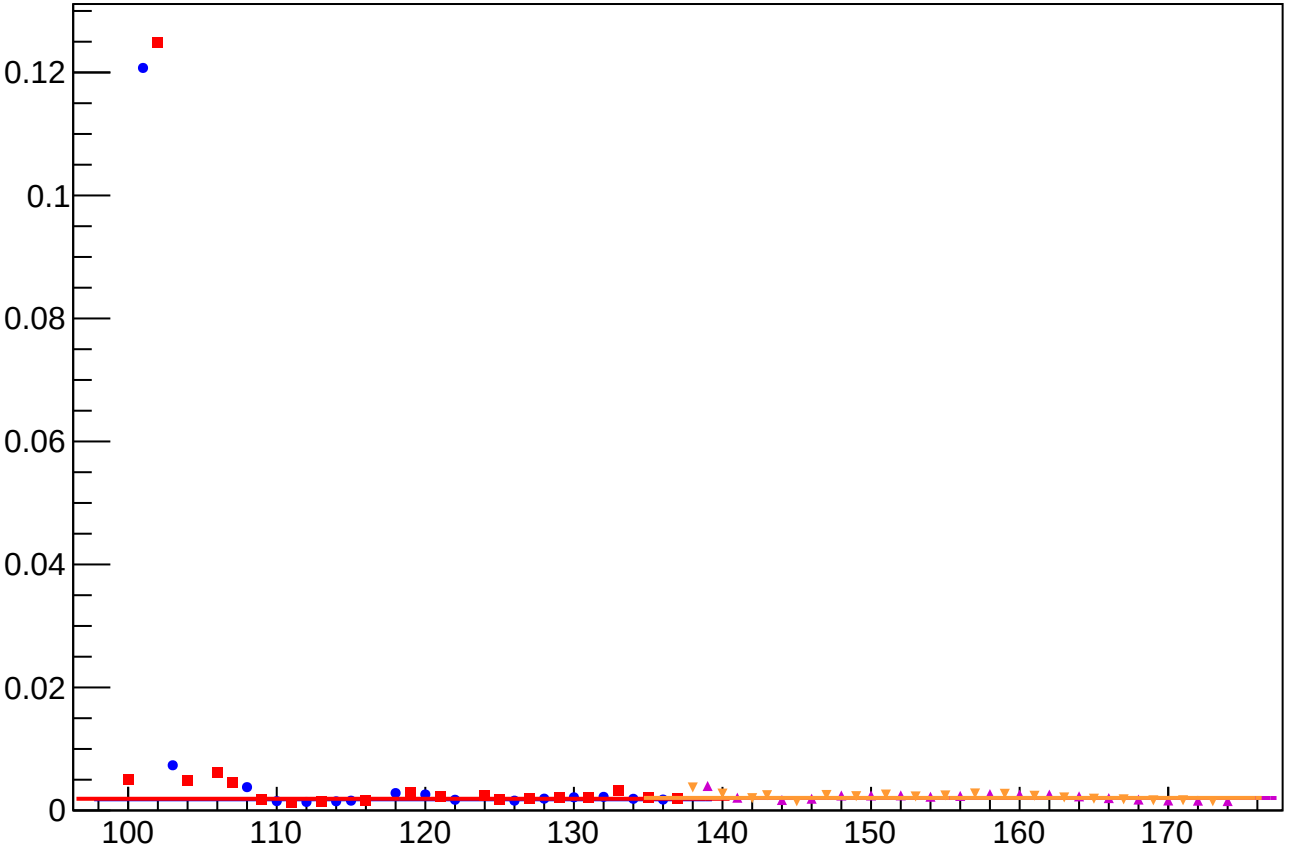
Left In: 2.516+/-0.000 χ^2/NDF:47316830736.2/17

+ sign 2.580+/-0.000 χ^2/NDF: 149856331095.2/34

All: 2.571+/-0.000 χ^2/NDF: 281508790837.3

- 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:1370488.6/18

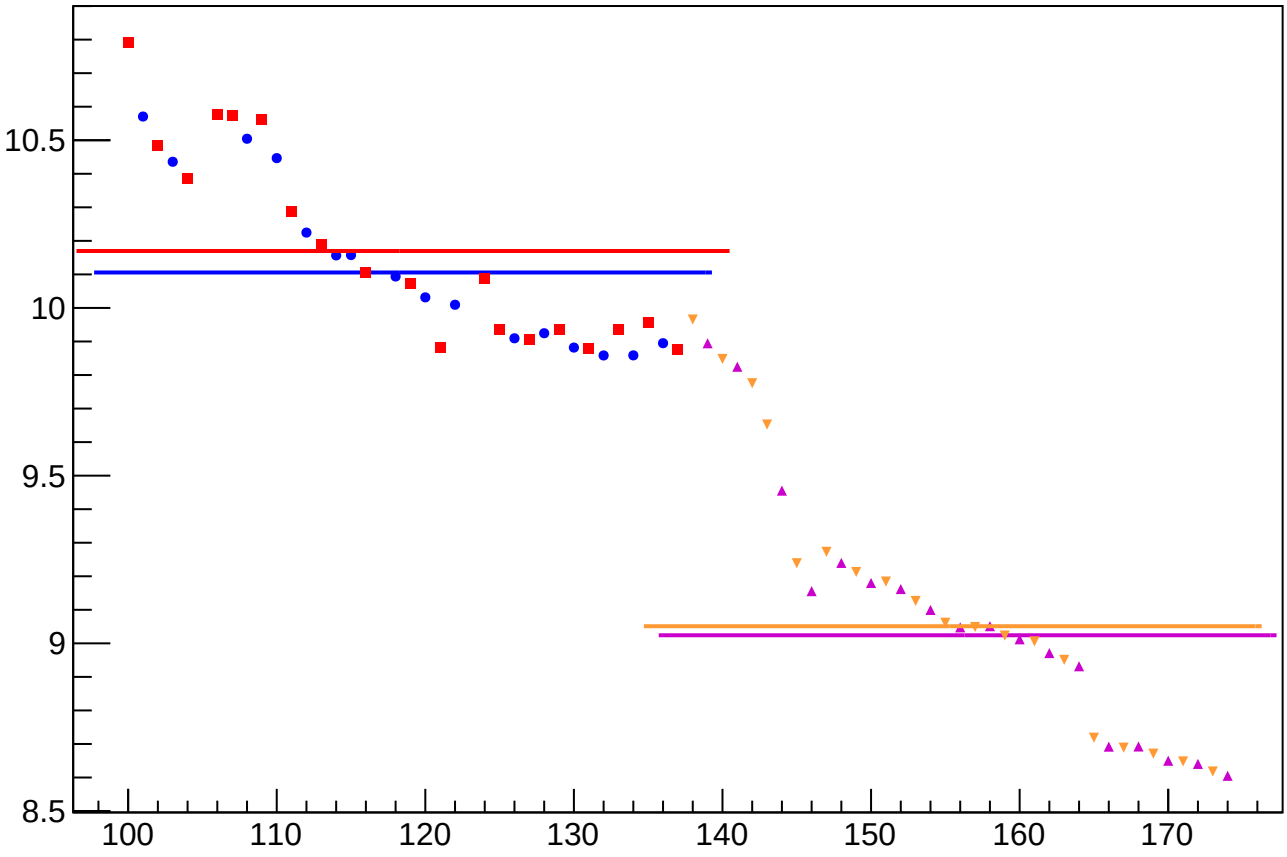
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1209241.7/17

+ sign 0.002+/-0.000 χ^2/NDF: 3290707.3/34

All: 0.002+/-0.000 χ^2/NDF: 7056507.7/71

- 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: 9.051+/-0.000 χ^2/NDF:43845790195.3/18

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

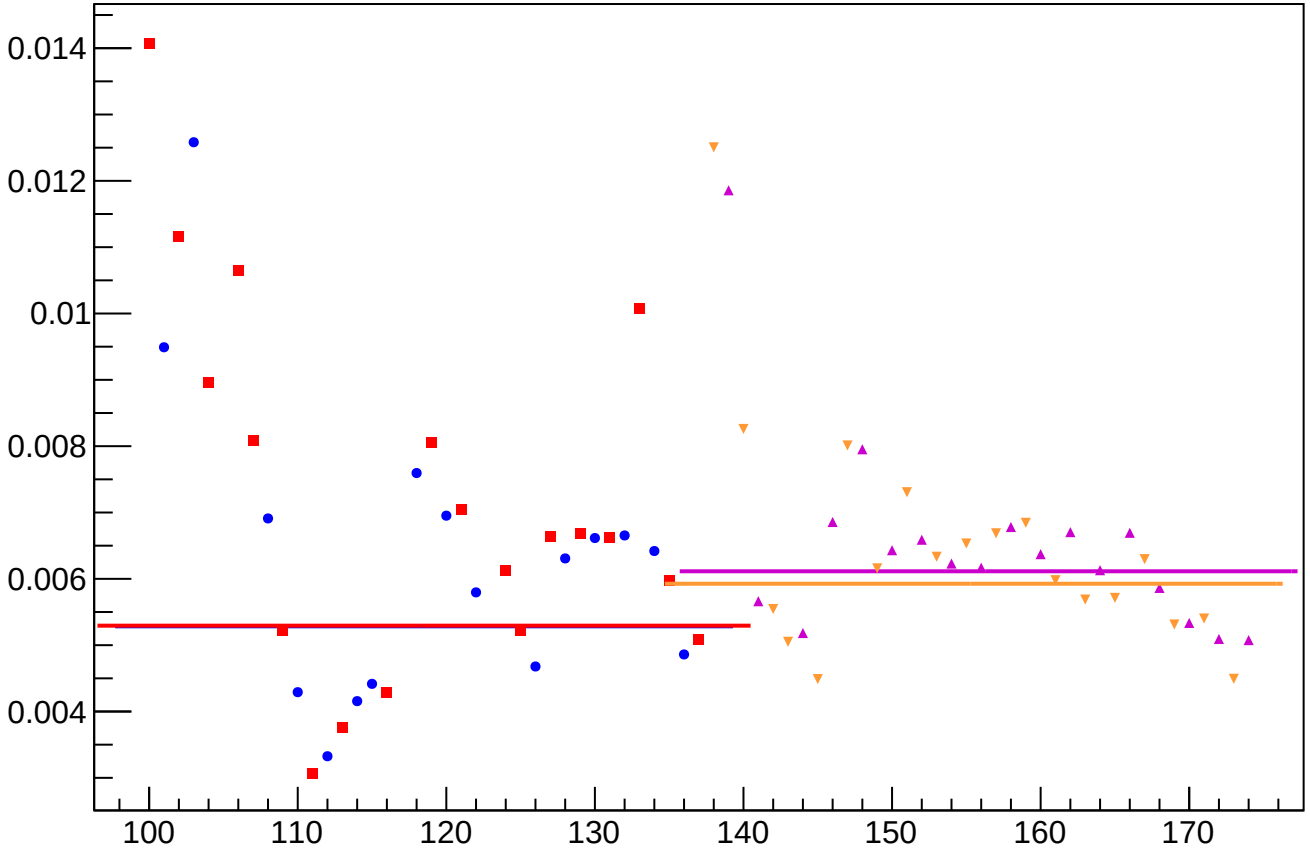
Left In: 9.024+/-0.000 χ^2/NDF:38580401128.0/17

+ sign 9.434+/-0.000 χ^2/NDF: 190104732776.1/34

All: 9.447+/-0.000 χ^2/NDF: 397835243136.1

- 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:1030286.7/18

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

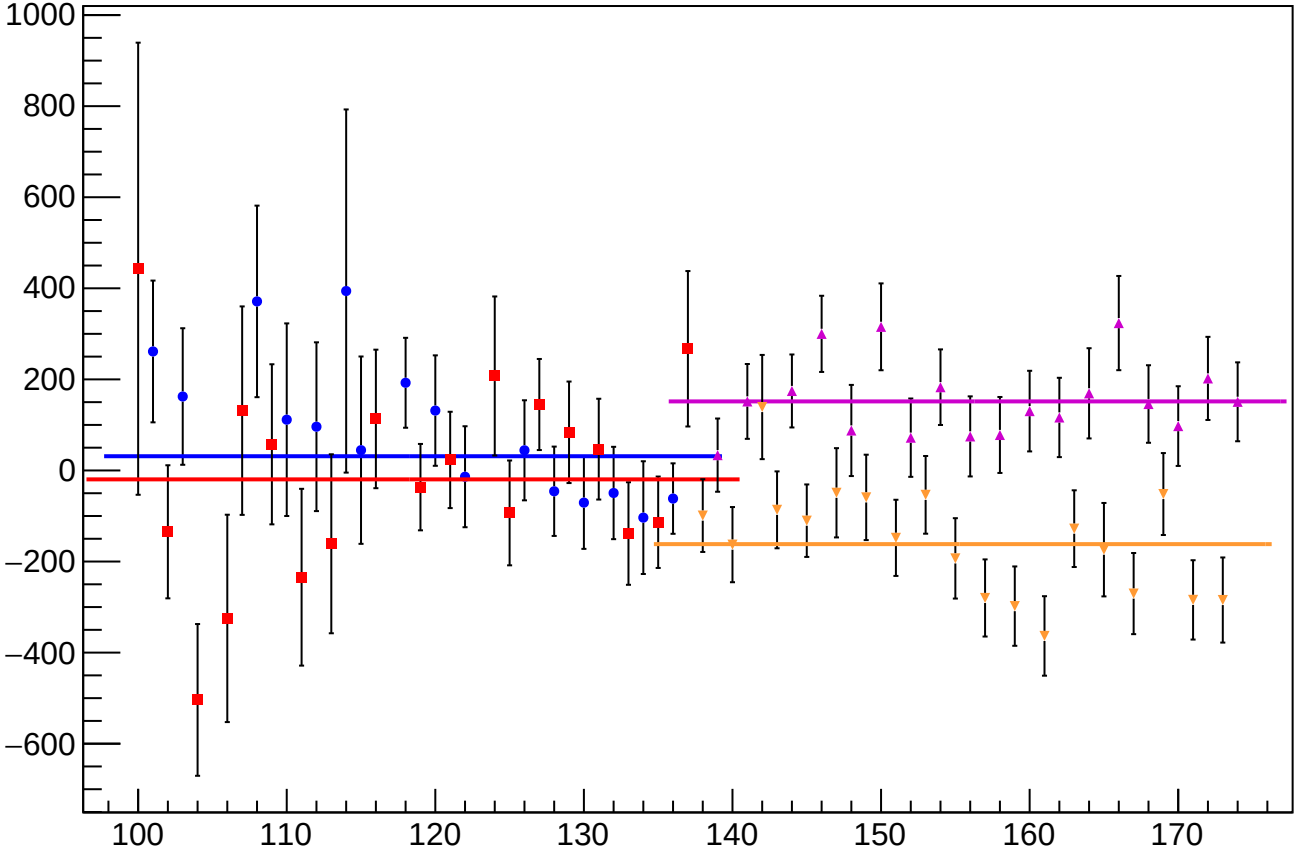
Left In: 0.006+/-0.000 χ^2/NDF:704711.6/17

+ sign 0.006+/-0.000 χ^2/NDF: 2405948.2/34

All: 0.006+/-0.000 χ^2/NDF: 5072739.5/71

- 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: -161.764+/-20.249 χ^2/NDF:29.6/18

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

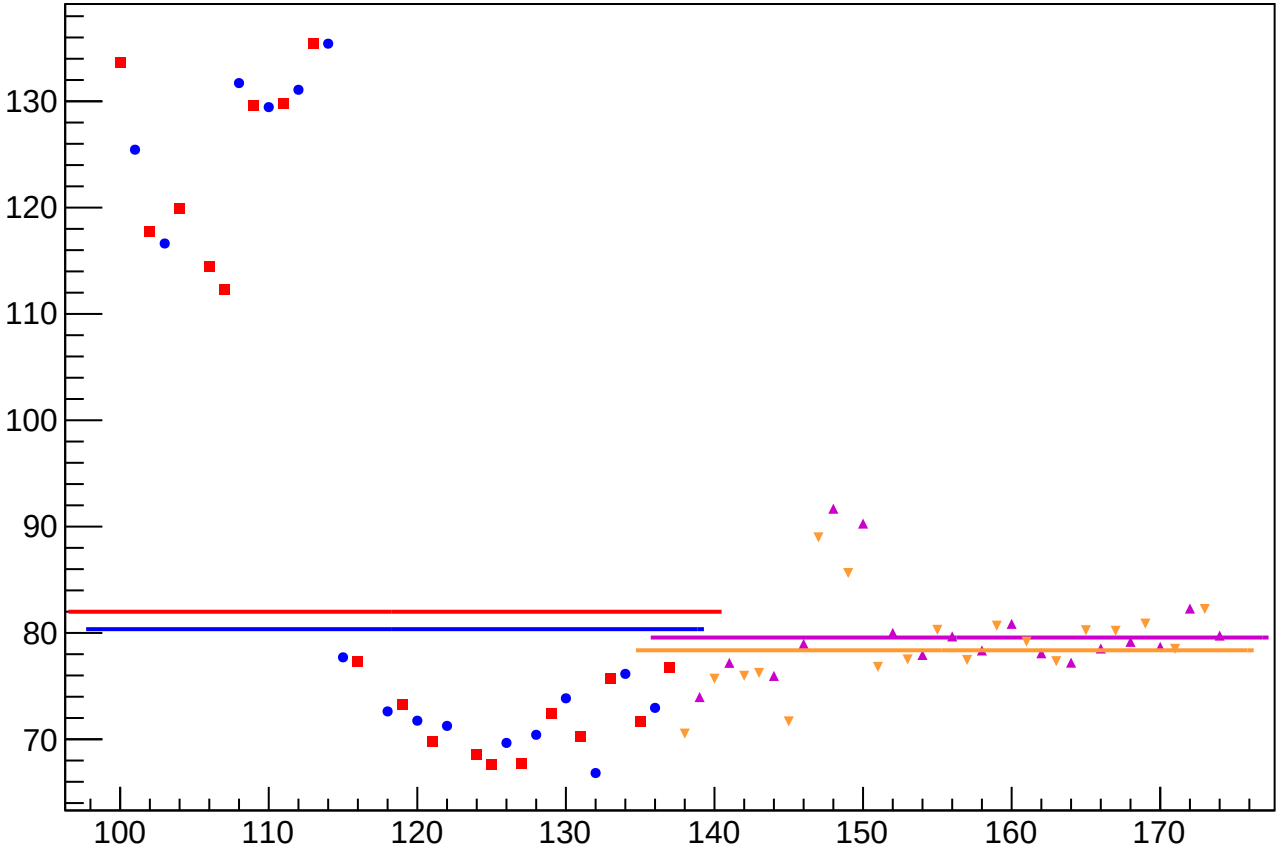
Left In: 151.632+/-20.667 χ^2/NDF:15.0/17

+ sign -103.478+/-16.918 χ^2/NDF: 72.1/34

All: -3.904+/-12.063 χ^2/NDF: 204.6/71

- 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: 78.367+/-0.014 χ^2/NDF:83613.4/18

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

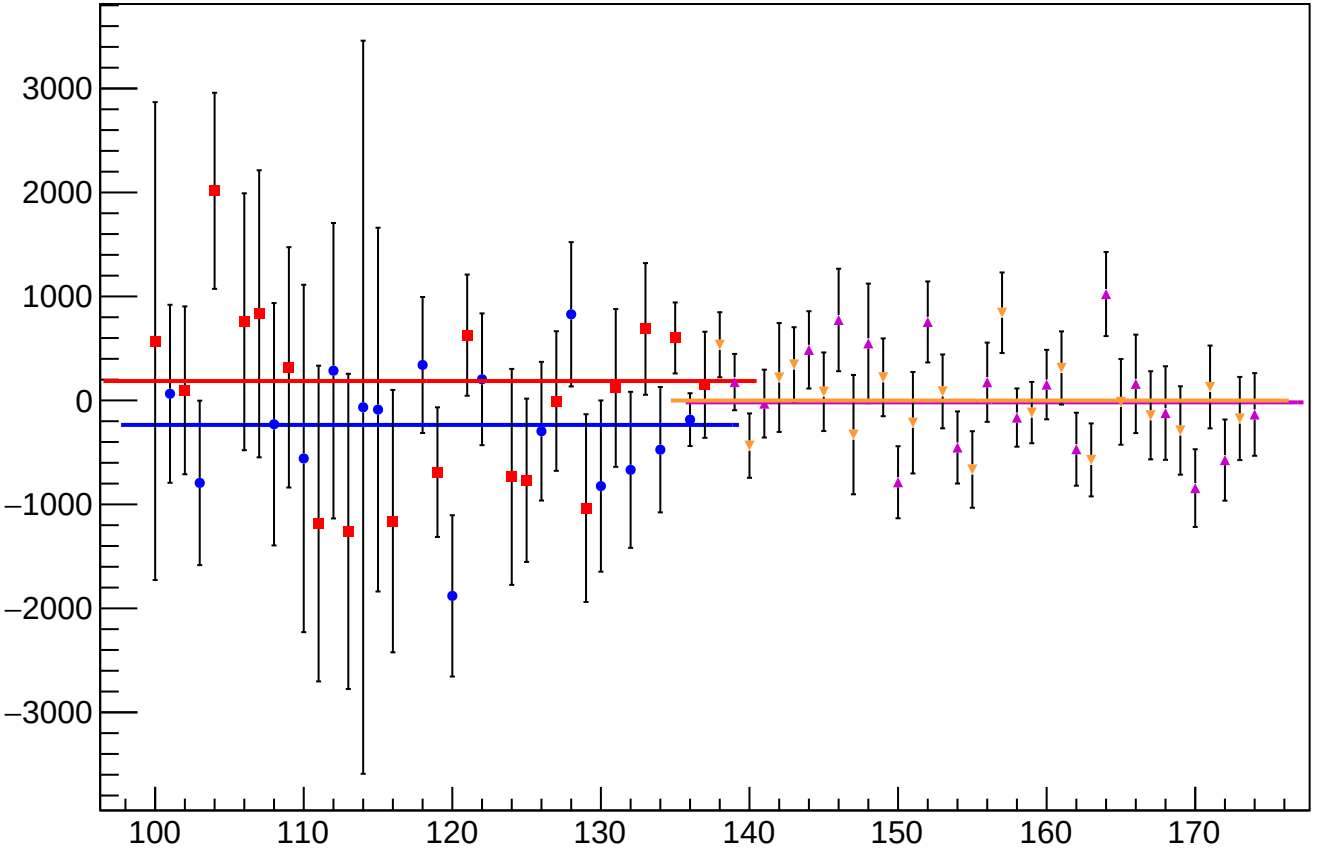
Left In: 79.567+/-0.015 χ^2/NDF:75725.8/17

+ sign 78.967+/-0.012 χ^2/NDF: 929468.2/34

All: 79.628+/-0.009 χ^2/NDF: 1952198.2/71

- 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: -1.114+/-86.823 χ^2/NDF:19.4/18

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

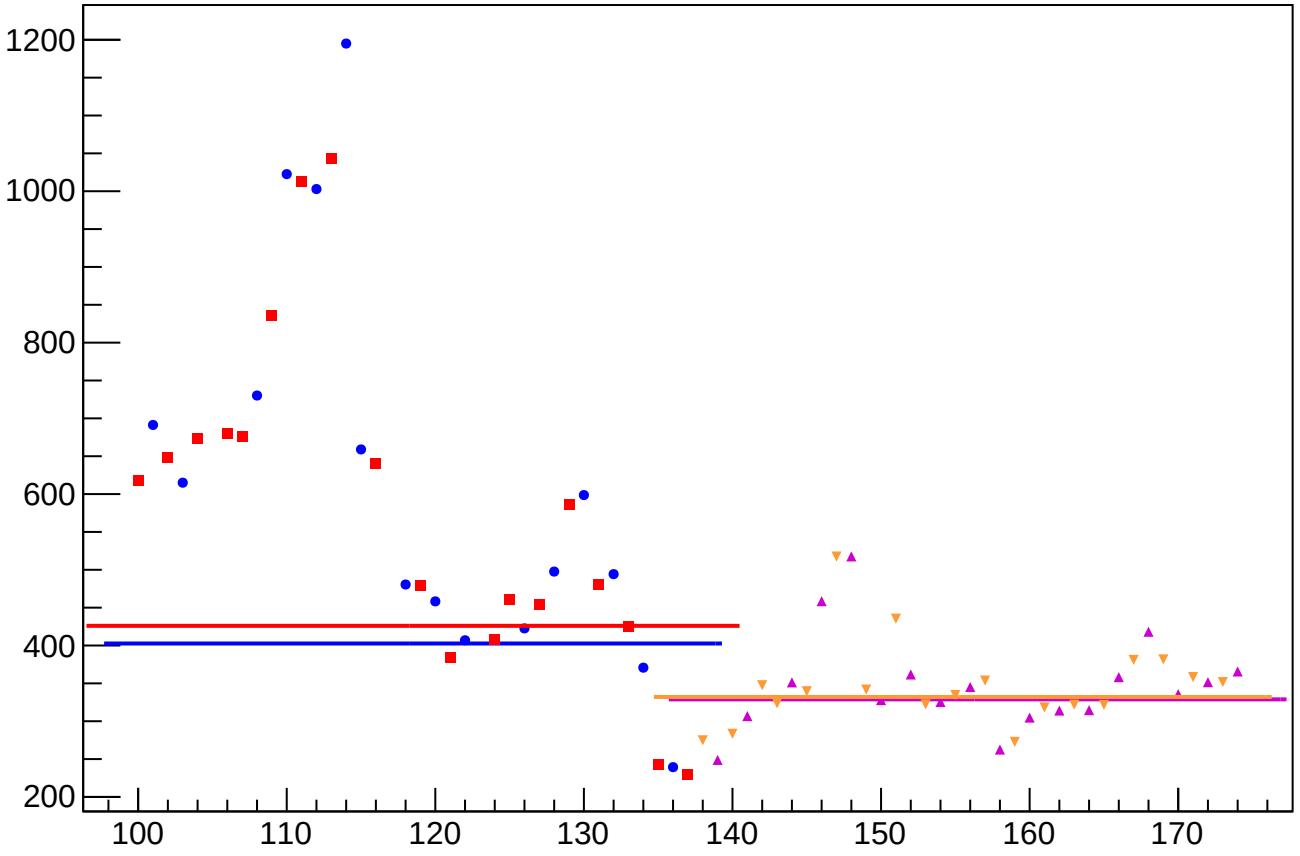
Left In: -18.800+/-86.731 χ^2/NDF:32.6/17

\+ sign -52.545+/-76.709 χ^2/NDF: 31.0/34

All: -14.827+/-54.447 χ^2/NDF: 81.2/71

\- 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: 332.046+/-0.061 χ^2/NDF:581838.8/18

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

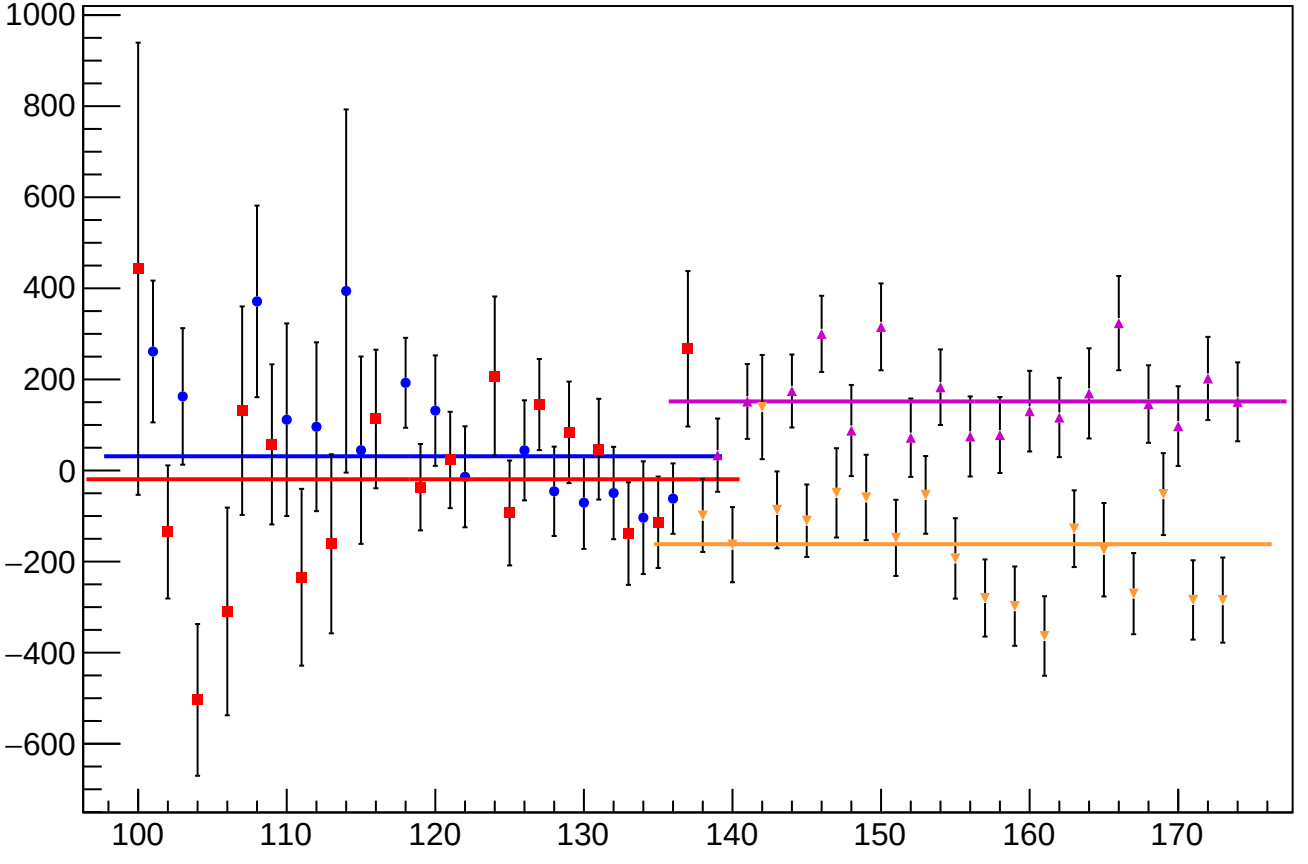
Left In: 328.867+/-0.061 χ^2/NDF:802745.8/17

+ sign 347.539+/-0.054 χ^2/NDF: 3232178.2/34

All: 348.189+/-0.039 χ^2/NDF: 6919967.6/71

- 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: -161.762+/-20.249 χ^2/NDF:29.6/18

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

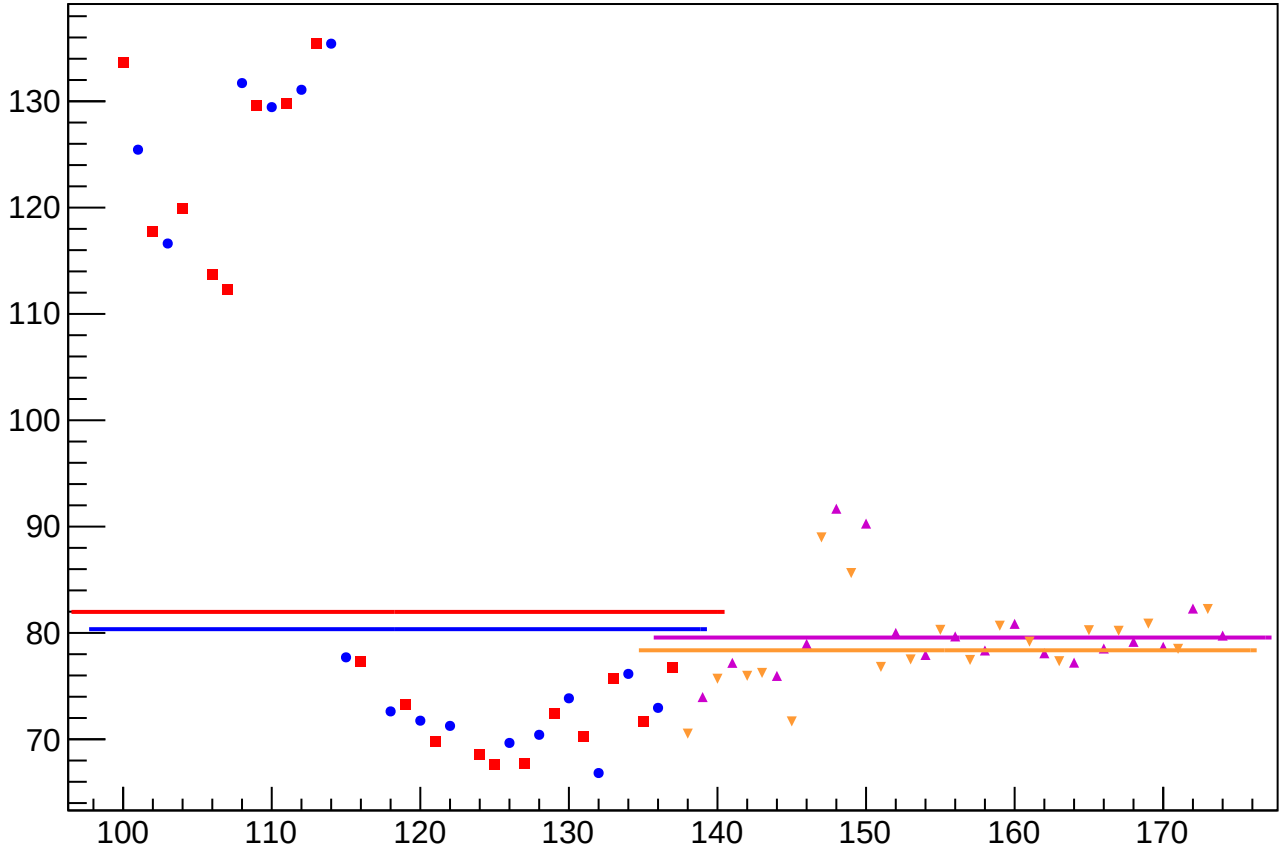
Left In: 151.636+/-20.667 χ^2/NDF:15.0/17

+ sign -103.474+/-16.918 χ^2/NDF: 72.1/34

All: -3.856+/-12.063 χ^2/NDF: 204.4/71

- 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: 78.367+/-0.014 χ^2/NDF:83613.4/18

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

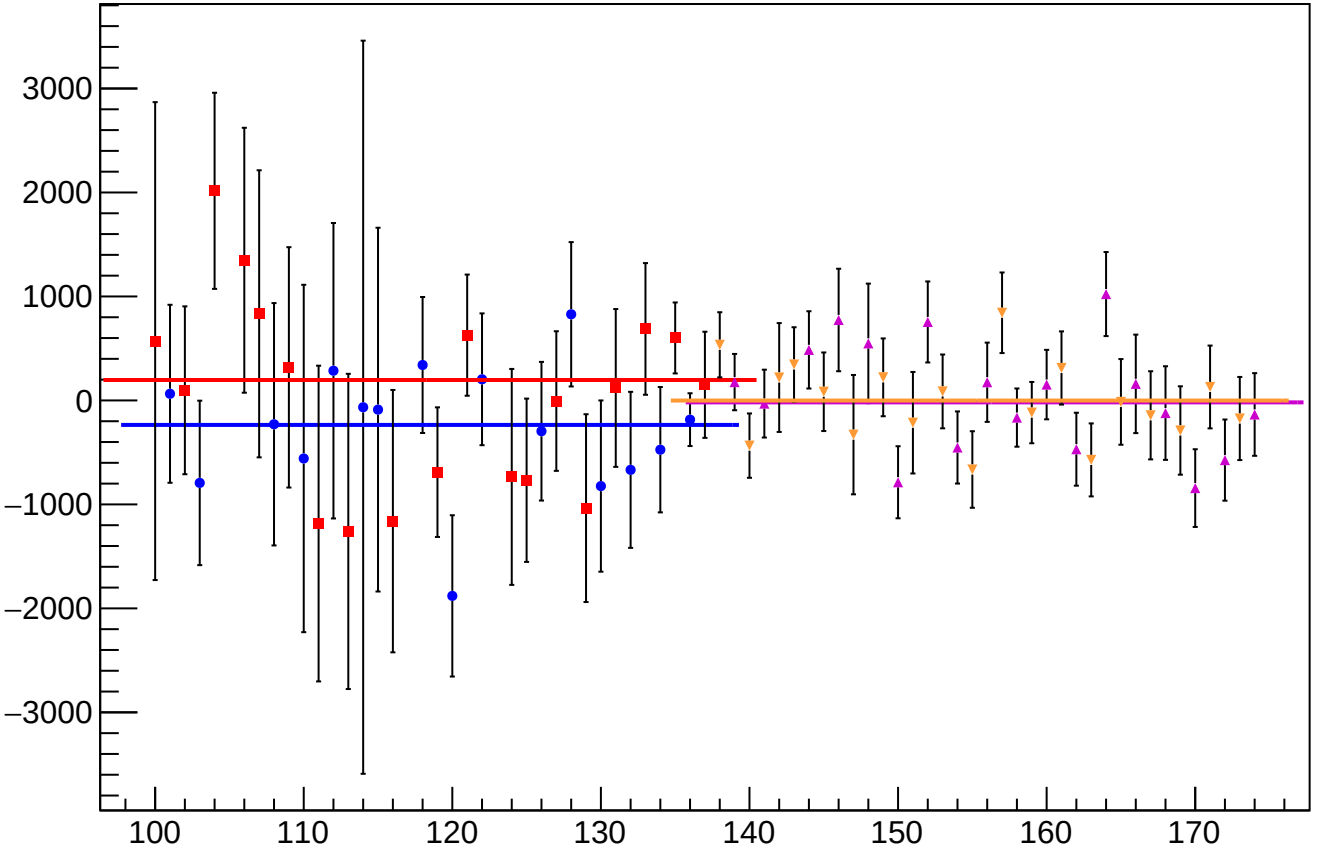
Left In: 79.567+/-0.015 χ^2/NDF:75725.8/17

+ sign 78.967+/-0.012 χ^2/NDF: 929468.4/34

All: 79.626+/-0.009 χ^2/NDF: 1950179.4/71

- 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: -1.114+/-86.823 χ^2/NDF:19.4/18

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

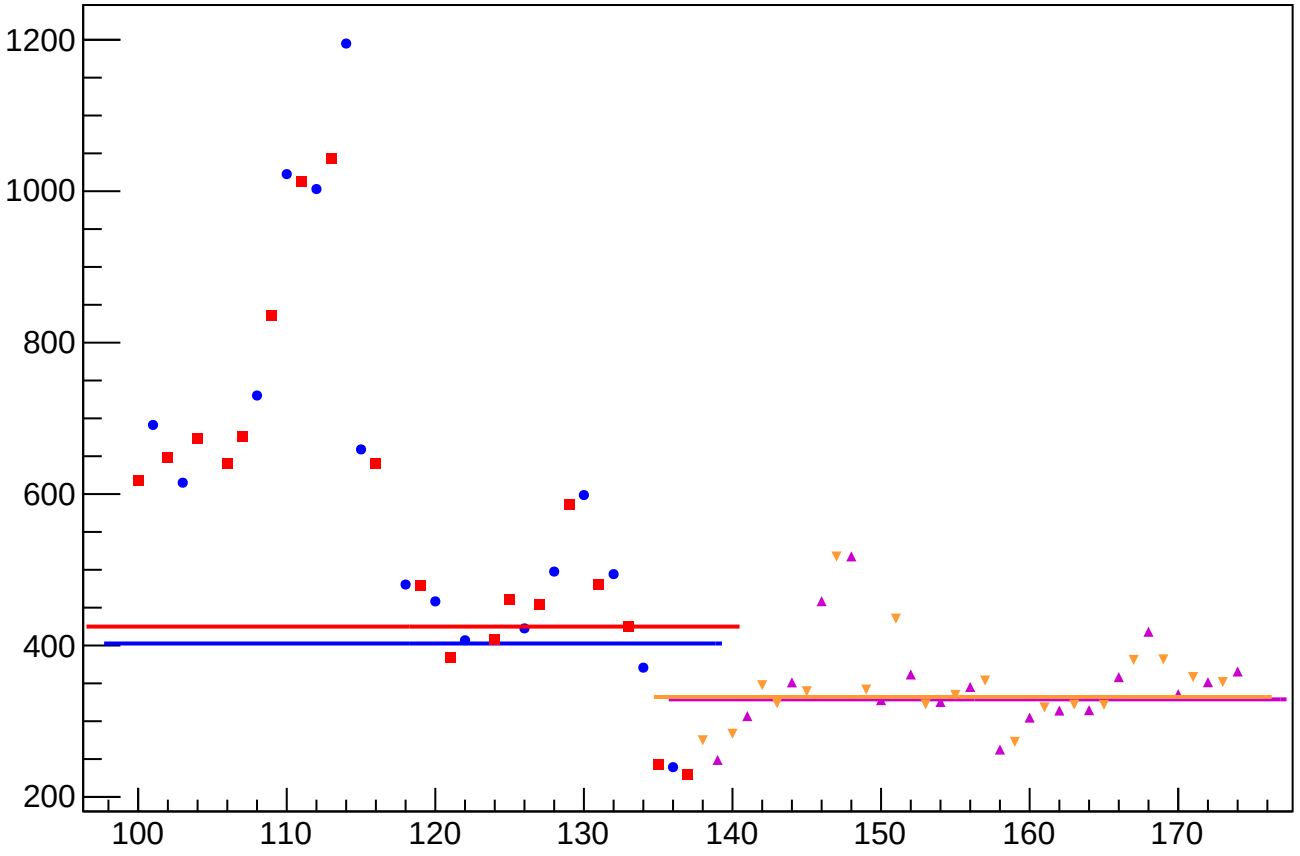
Left In: -18.795+/-86.731 χ^2/NDF:32.6/17

\+ sign -52.545+/-76.709 χ^2/NDF: 31.0/34

All: -13.832+/-54.450 χ^2/NDF: 81.9/71

\- 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: 332.046+/-0.061 χ^2/NDF:581846.4/18

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

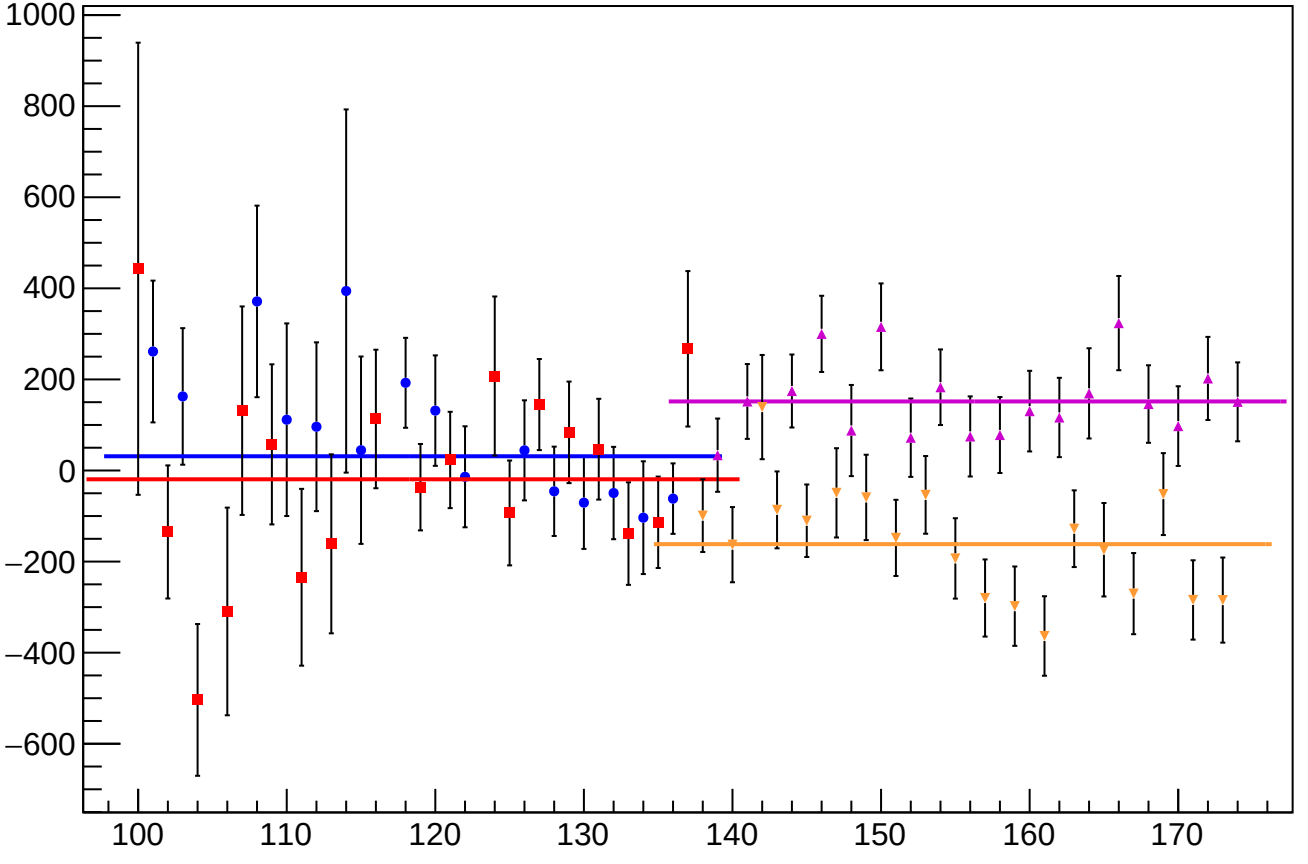
Left In: 328.867+/-0.061 χ^2/NDF:802745.6/17

+ sign 347.539+/-0.054 χ^2/NDF: 3232183.9/34

All: 348.079+/-0.039 χ^2/NDF: 6881168.8/71

- 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: -161.762+/-20.249 χ^2/NDF:29.6/18

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

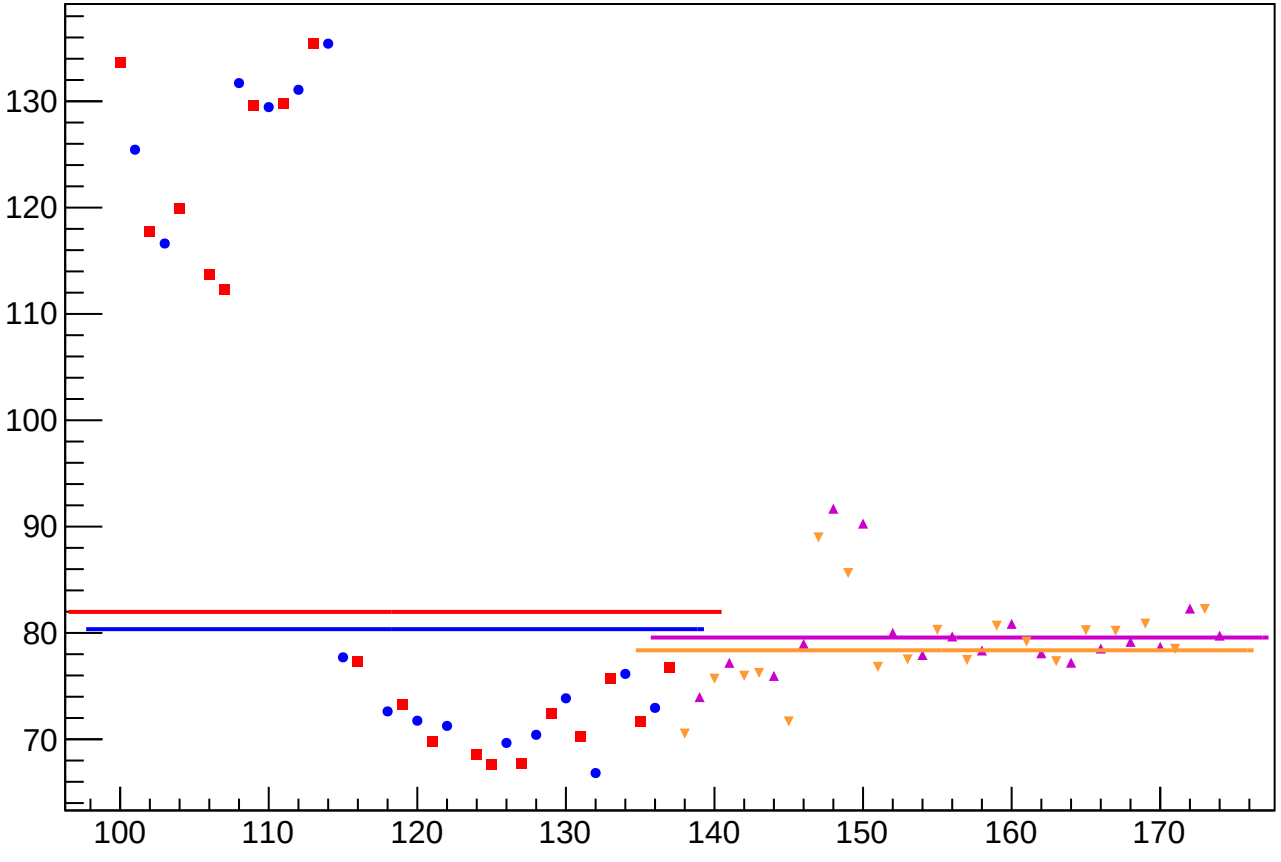
Left In: 151.636+/-20.667 χ^2/NDF:15.0/17

+ sign -103.474+/-16.918 χ^2/NDF: 72.1/34

All: -3.856+/-12.063 χ^2/NDF: 204.4/71

- 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: 78.367+/-0.014 χ^2/NDF:83613.4/18

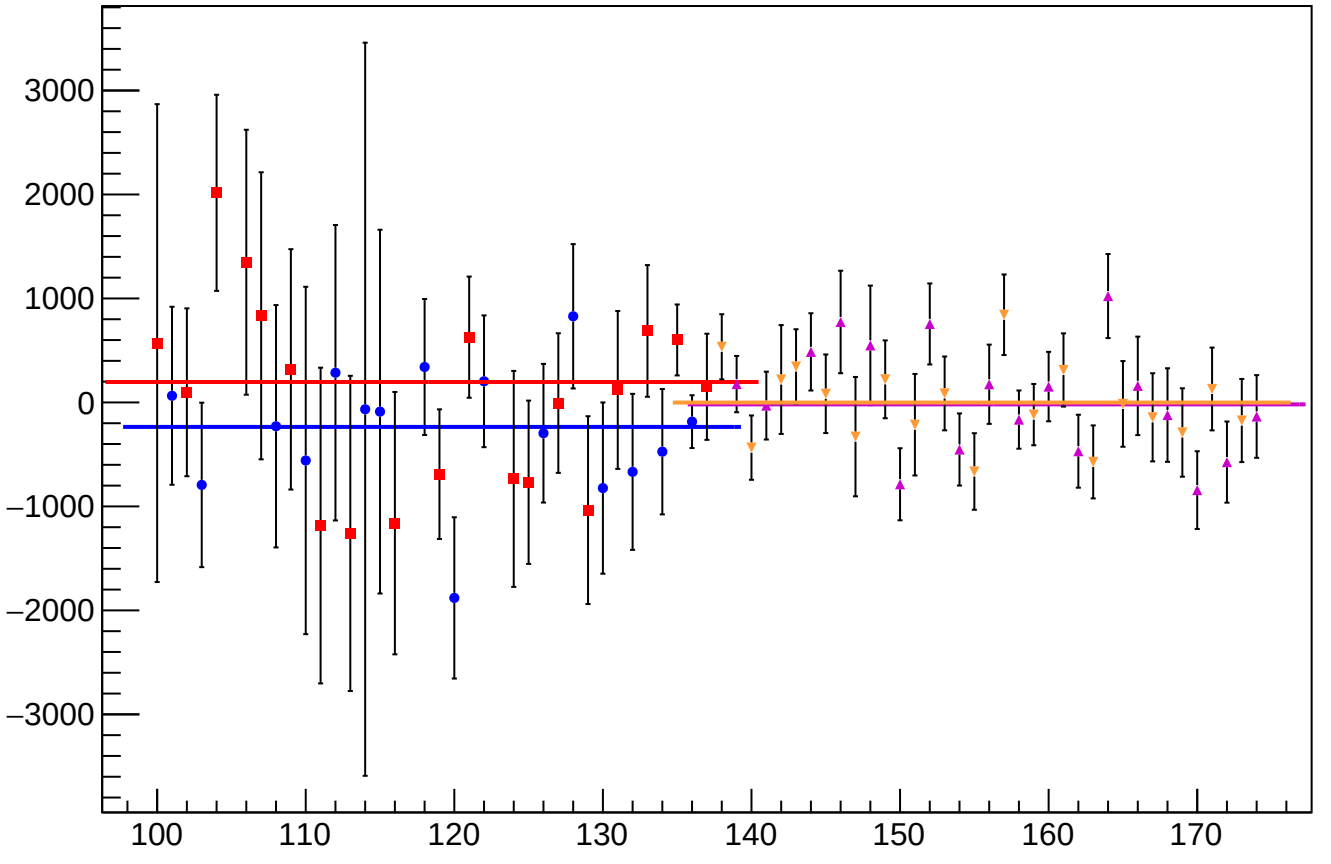
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.567+/-0.015 χ^2/NDF:75725.8/17

+ sign 78.967+/-0.012 χ^2/NDF: 929468.4/34

All: 79.626+/-0.009 χ^2/NDF: 1950179.4/71

- sign 80.307+/-0.012 χ^2/NDF: 1014544.8/36



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: -1.114+/-86.823 χ^2/NDF:19.4/18

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

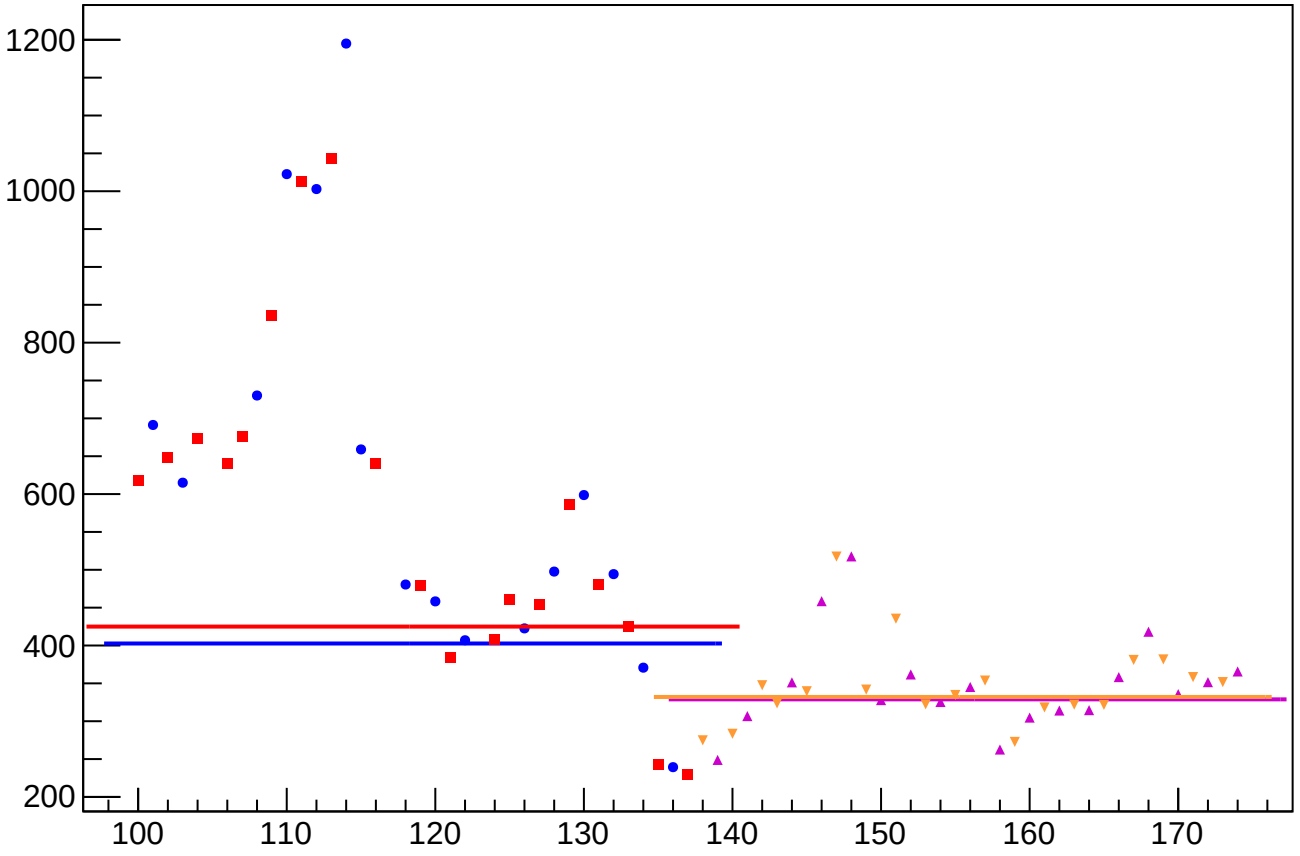
Left In: -18.795+/-86.731 χ^2/NDF:32.6/17

\+ sign -52.545+/-76.709 χ^2/NDF: 31.0/34

All: -13.832+/-54.450 χ^2/NDF: 81.9/71

\- sign 25.482+/-77.304 χ^2/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: 332.046+/-0.061 χ^2/NDF:581846.4/18

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

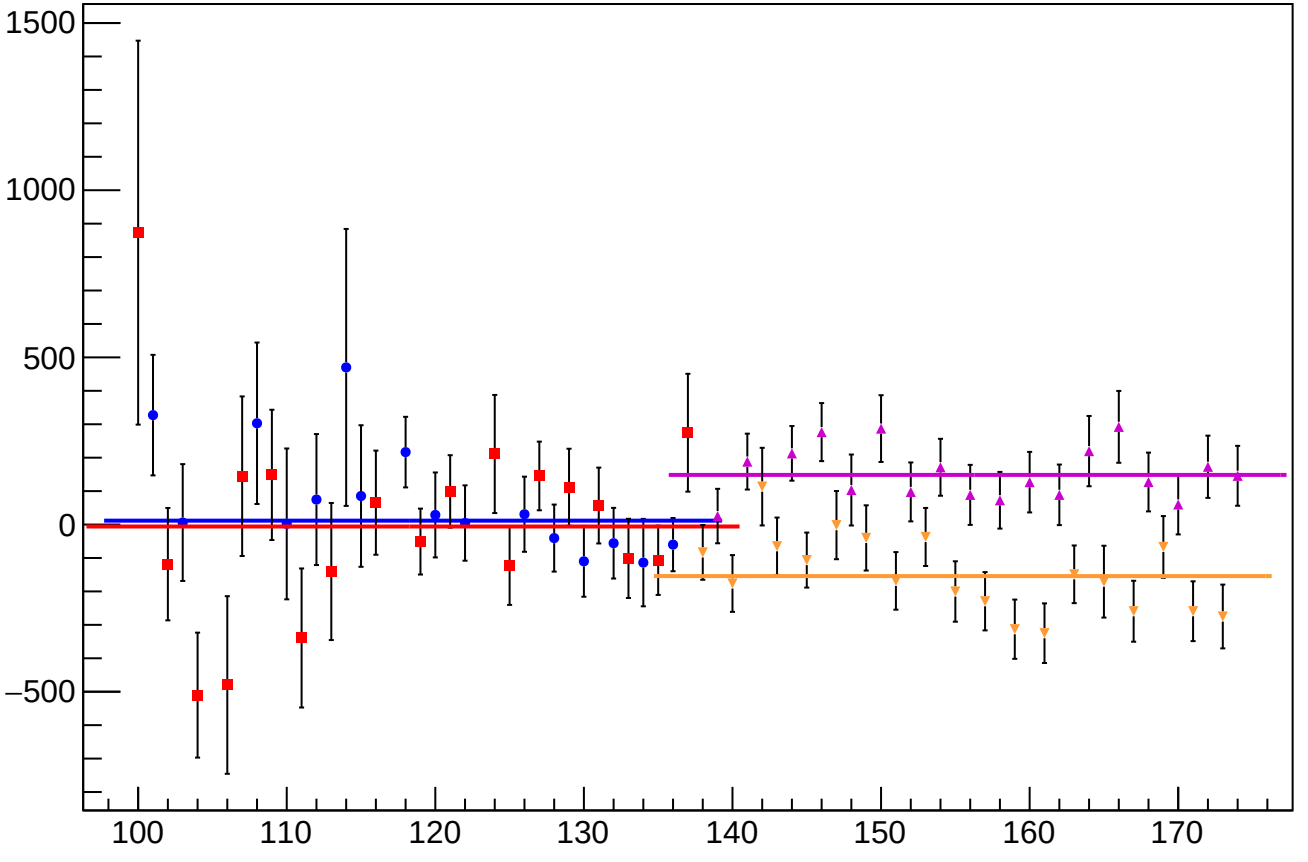
Left In: 328.867+/-0.061 χ^2/NDF:802745.6/17

\+ sign 347.539+/-0.054 χ^2/NDF: 3232183.9/34

All: 348.079+/-0.039 χ^2/NDF: 6881168.8/71

\- 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: -154.169+/-20.781 χ^2/NDF:26.1/18

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

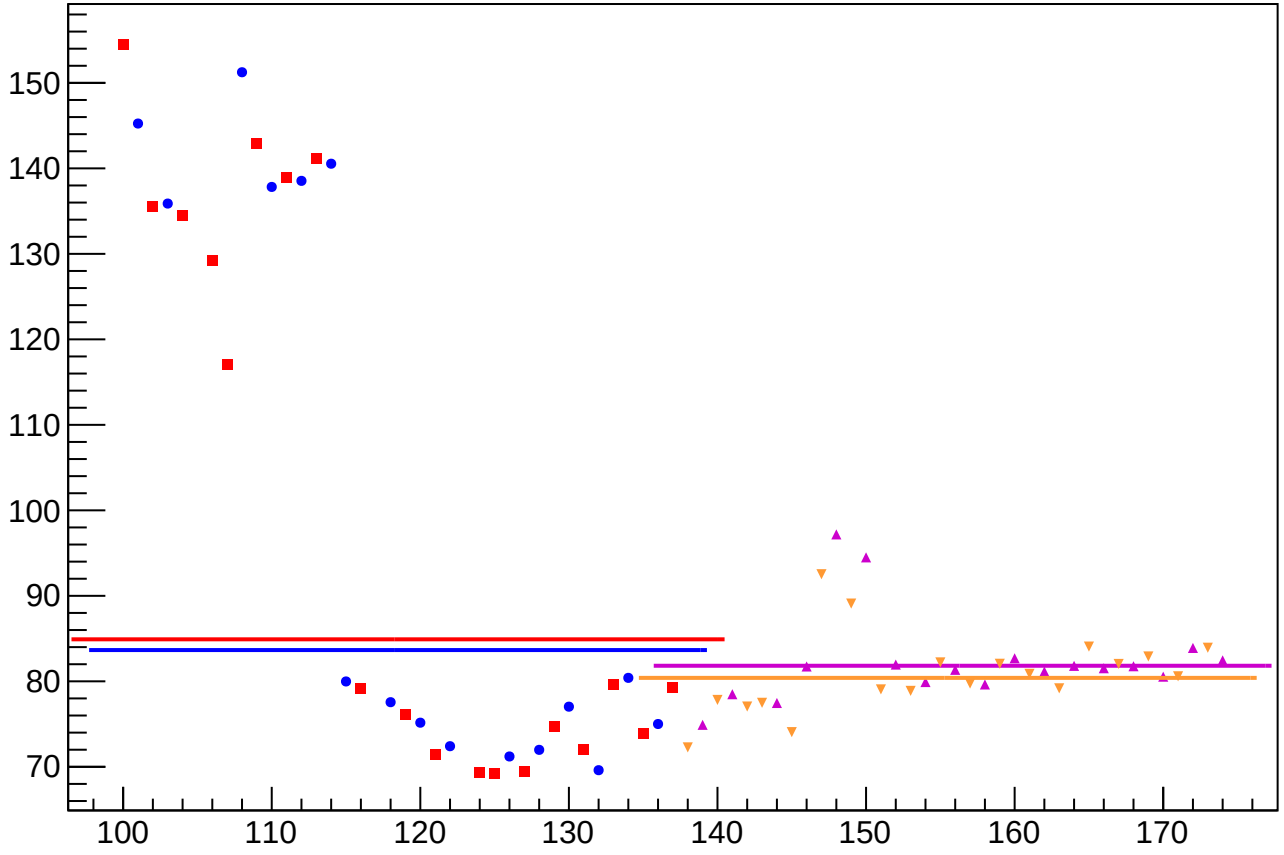
Left In: 148.475+/-21.268 χ^2/NDF:12.9/17

+ sign -105.619+/-17.476 χ^2/NDF: 58.3/34

All: -3.591+/-12.466 χ^2/NDF: 185.2/71

- 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: 80.403+/-0.015 χ^2/NDF:91983.8/18

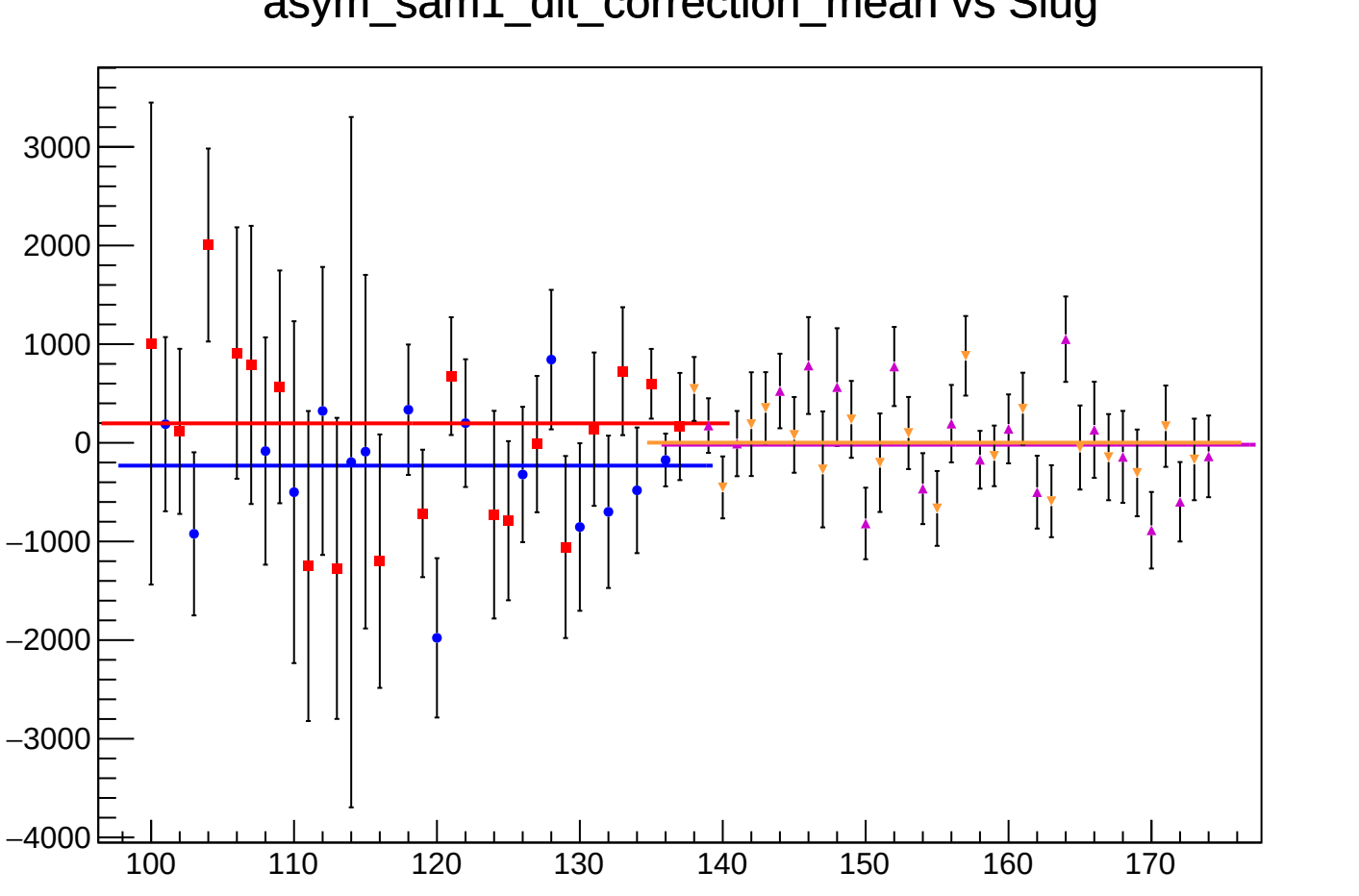
Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.821+/-0.015 χ^2/NDF:101671.9/17

+ sign 81.356+/-0.012 χ^2/NDF: 1141132.7/34

All: 82.041+/-0.009 χ^2/NDF: 2383432.8/71

- 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: 1.455+/-89.440 χ^2/NDF:19.4/18

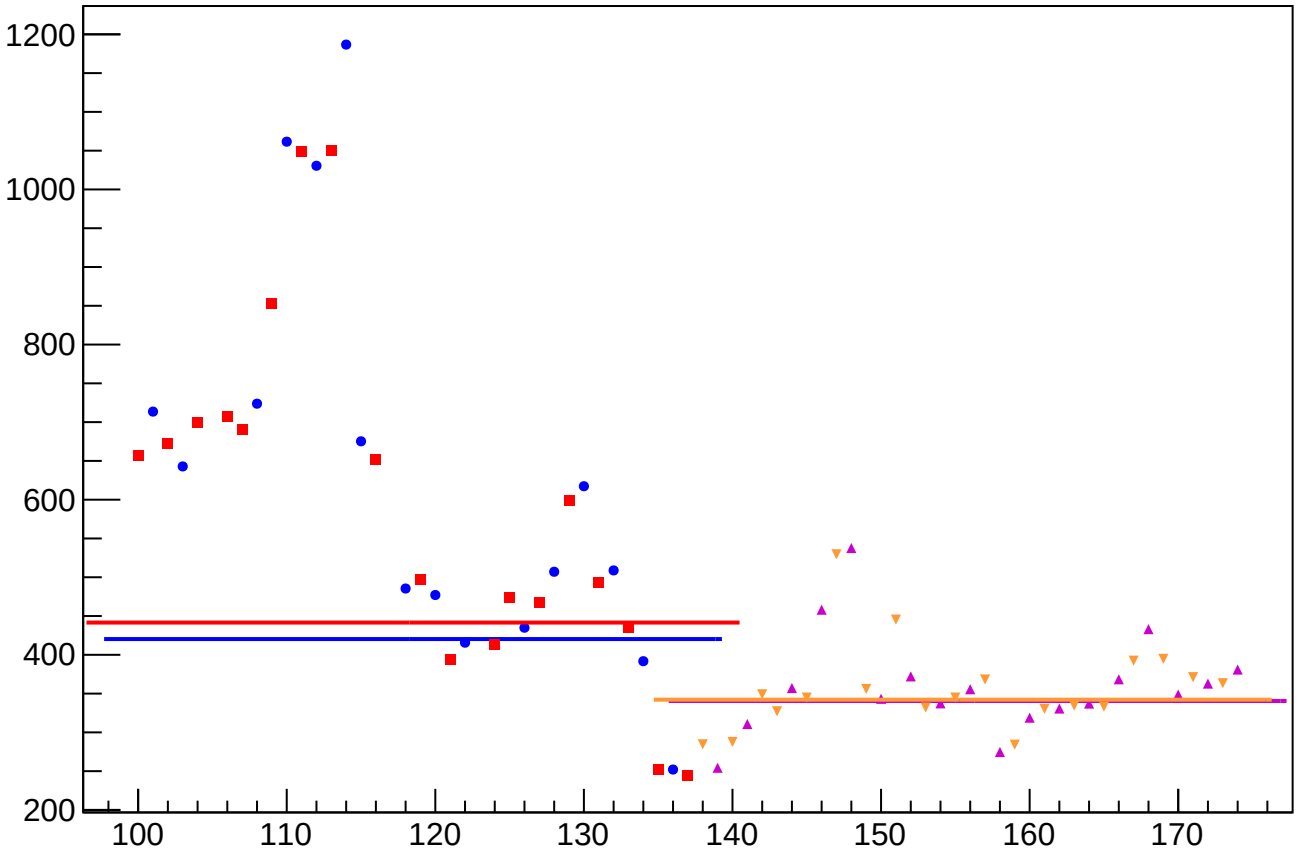
Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -19.322+/-89.736 χ^2/NDF:32.4/17

+ sign -48.966+/-79.167 χ^2/NDF: 31.2/34

All: -12.192+/-56.255 χ^2/NDF: 81.1/71

- sign 25.316+/-79.953 χ^2/NDF: 49.5/36



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 342.160+/-0.063 χ^2/NDF:574191.9/18

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

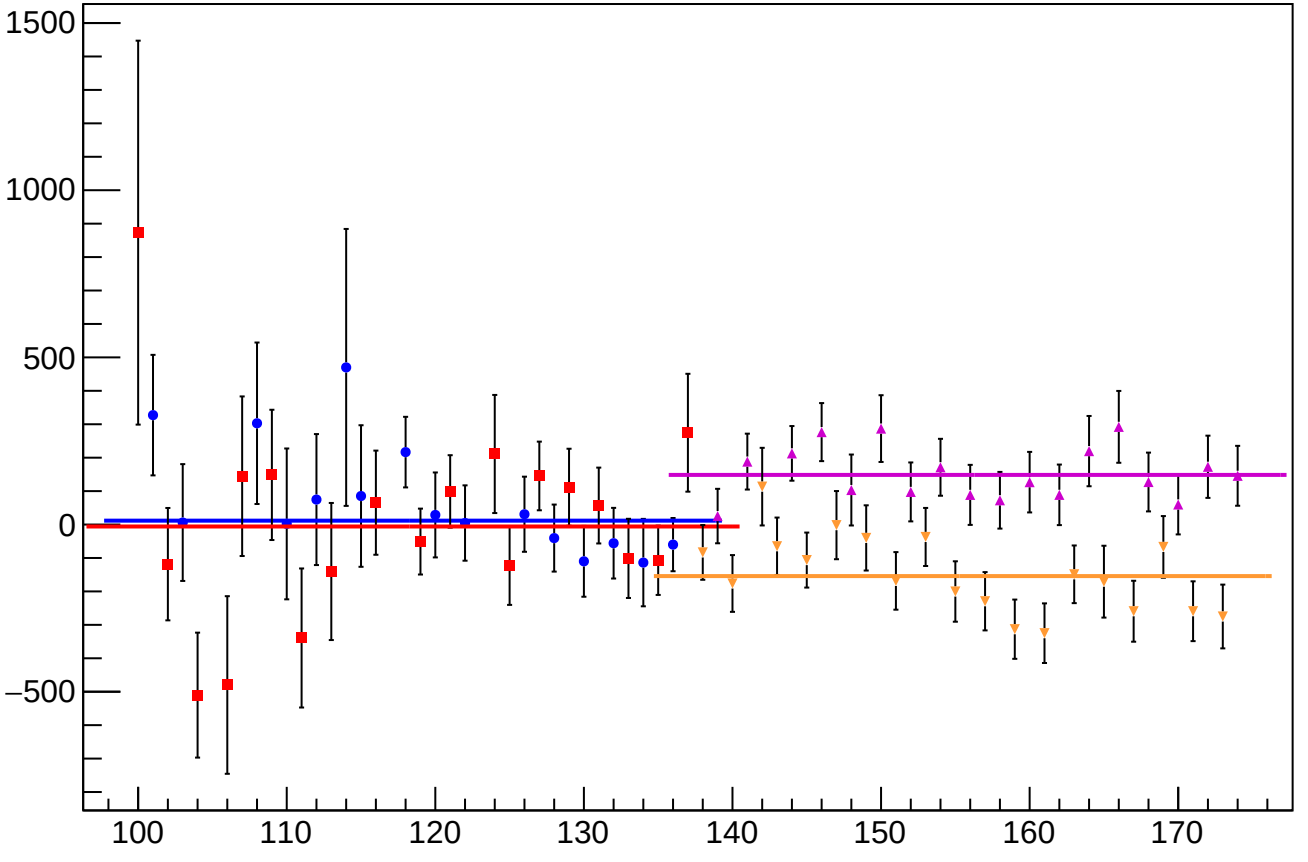
Left In: 340.460+/-0.063 χ^2/NDF:784444.2/17

+ sign 359.085+/-0.056 χ^2/NDF: 3159594.5/34

All: 360.187+/-0.040 χ^2/NDF: 6776149.5/71

- 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: -154.169+/-20.781 χ^2/NDF:26.1/18

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

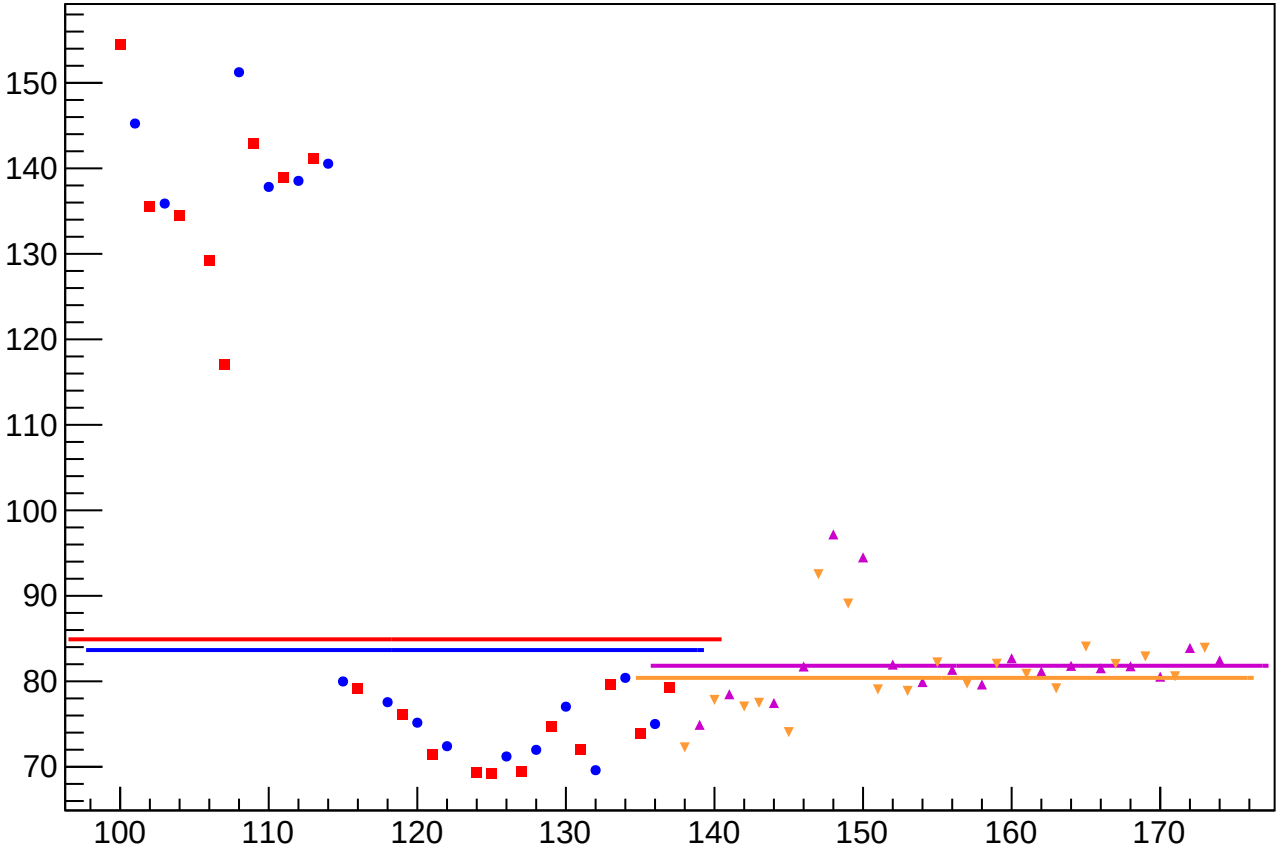
Left In: 148.475+/-21.268 χ^2/NDF:12.9/17

+ sign -105.618+/-17.476 χ^2/NDF: 58.3/34

All: -3.591+/-12.466 χ^2/NDF: 185.2/71

- 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: 80.403+/-0.015 χ^2/NDF:91983.1/18

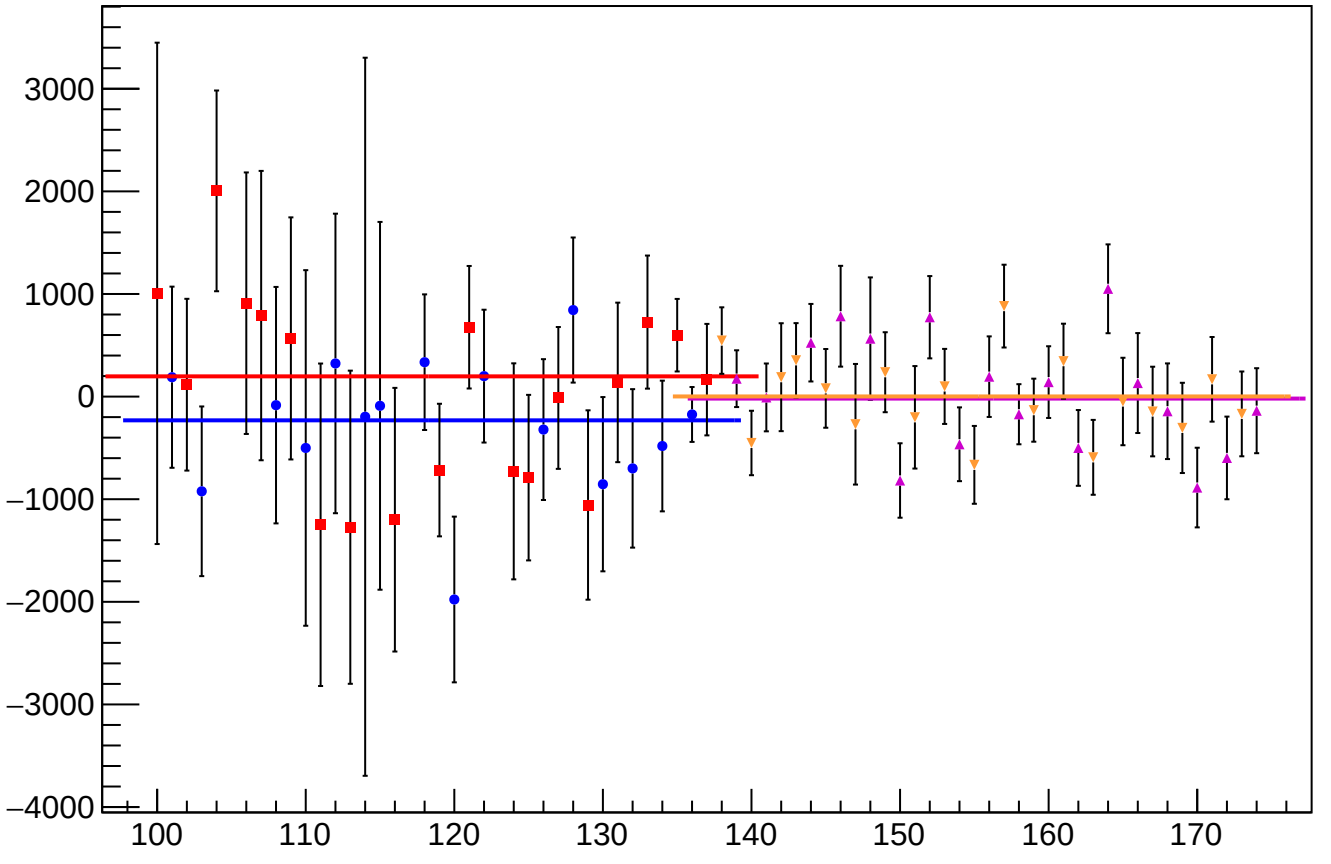
Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.821+/-0.015 χ^2/NDF:101671.1/17

+ sign 81.356+/-0.012 χ^2/NDF: 1141131.0/34

All: 82.041+/-0.009 χ^2/NDF: 2383428.8/71

- sign 82.750+/-0.013 χ^2/NDF: 1236045.6/36



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 1.455+/-89.440 χ^2/NDF:19.4/18

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

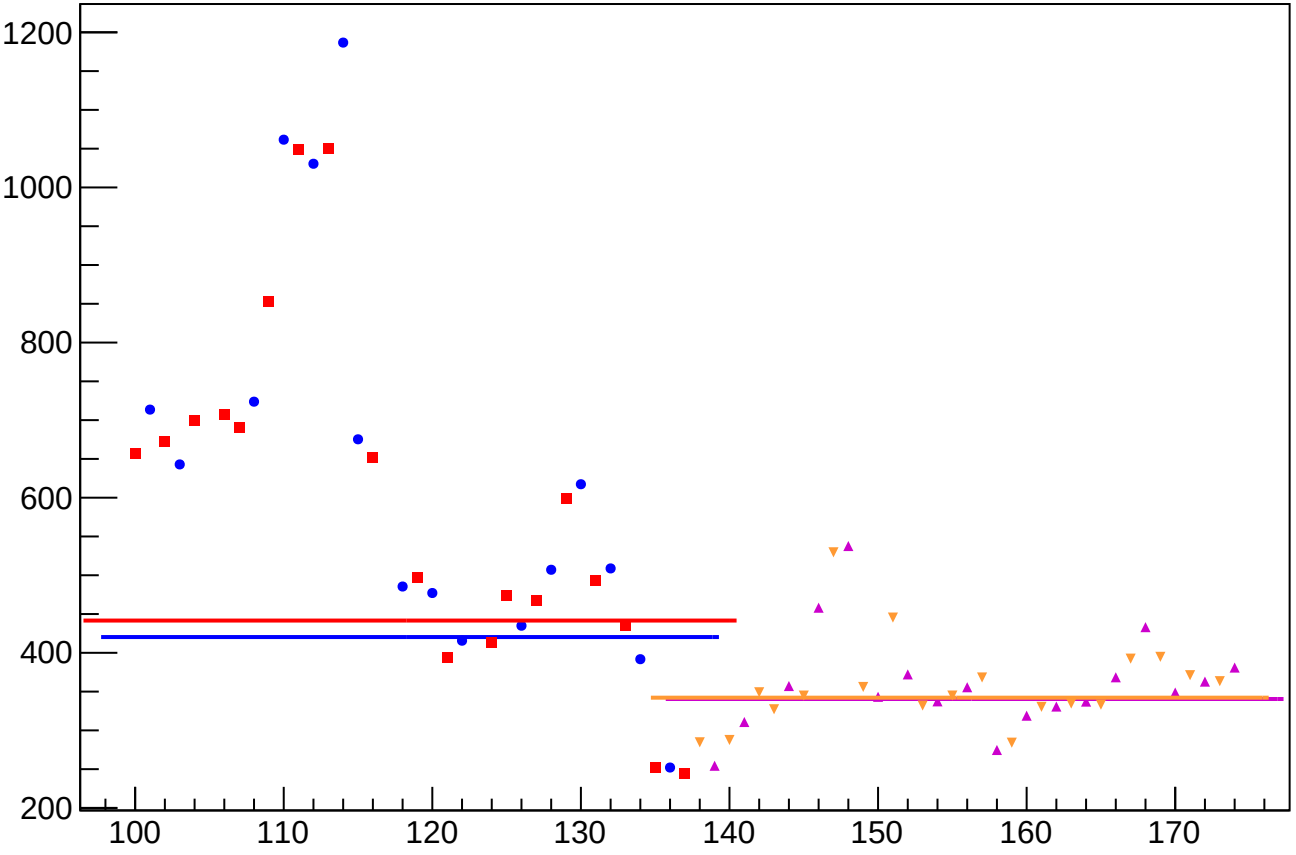
Left In: -19.322+/-89.736 χ^2/NDF:32.4/17

+ sign -48.965+/-79.167 χ^2/NDF: 31.2/34

All: -12.191+/-56.255 χ^2/NDF: 81.1/71

- 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: 342.159+/-0.063 χ^2/NDF:574192.4/18

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

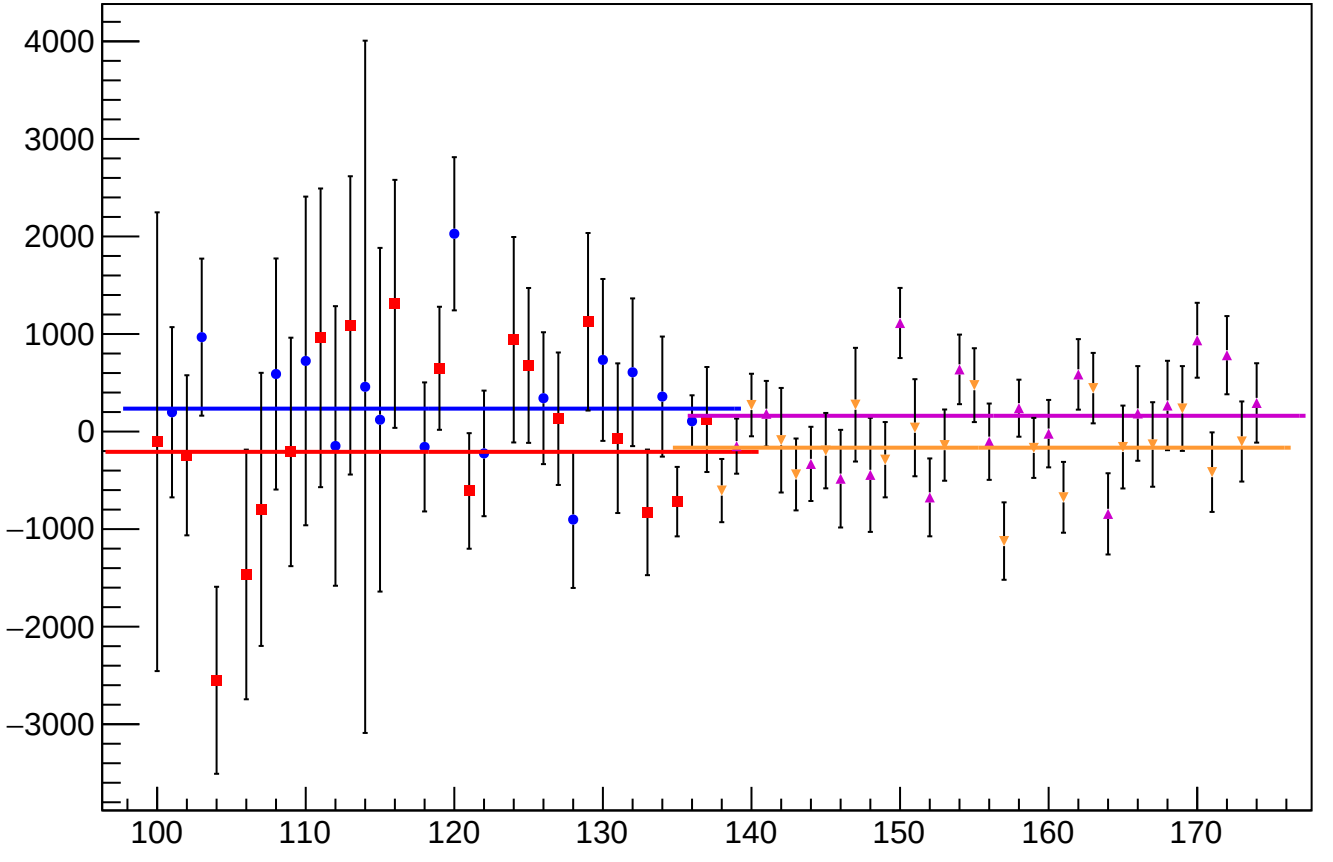
Left In: 340.460+/-0.063 χ^2/NDF:784446.7/17

+ sign 359.085+/-0.056 χ^2/NDF: 3159595.9/34

All: 360.186+/-0.040 χ^2/NDF: 6776154.2/71

- 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: -165.239+/-89.347 χ^2/NDF:19.9/18

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

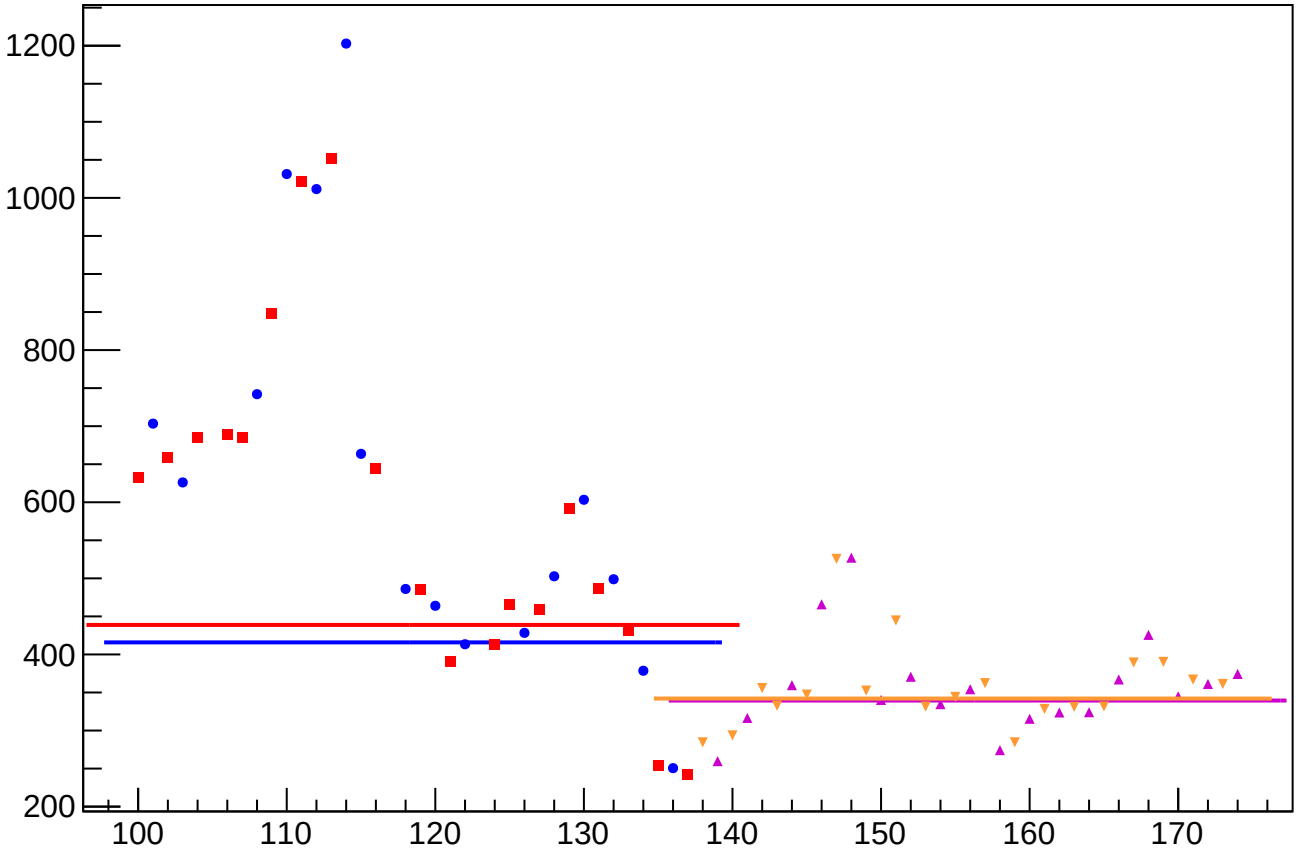
Left In: 161.685+/-89.395 χ^2/NDF:33.5/17

\+ sign -77.146+/-78.905 χ^2/NDF: 35.0/34

All: 3.232+/-56.032 χ^2/NDF: 94.5/71

\- 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: 342.054+/-0.063 χ^2/NDF:539825.5/18

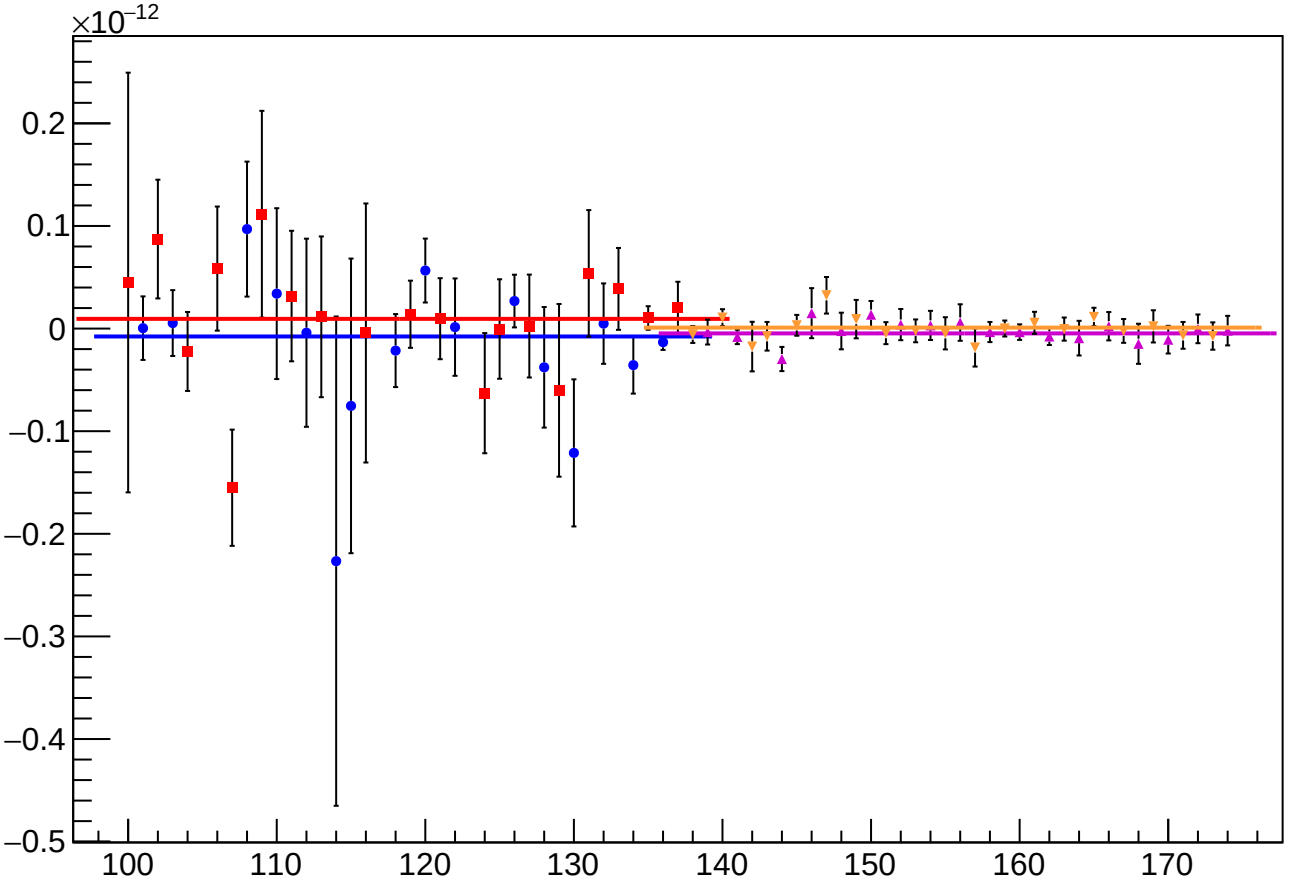
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 339.429+/-0.063 χ^2/NDF:737148.1/17

+ sign 358.292+/-0.056 χ^2/NDF: 3063951.4/34

All: 359.159+/-0.040 χ^2/NDF: 6548822.3/71

- sign 360.041+/-0.056 χ^2/NDF: 3484384.1/36



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

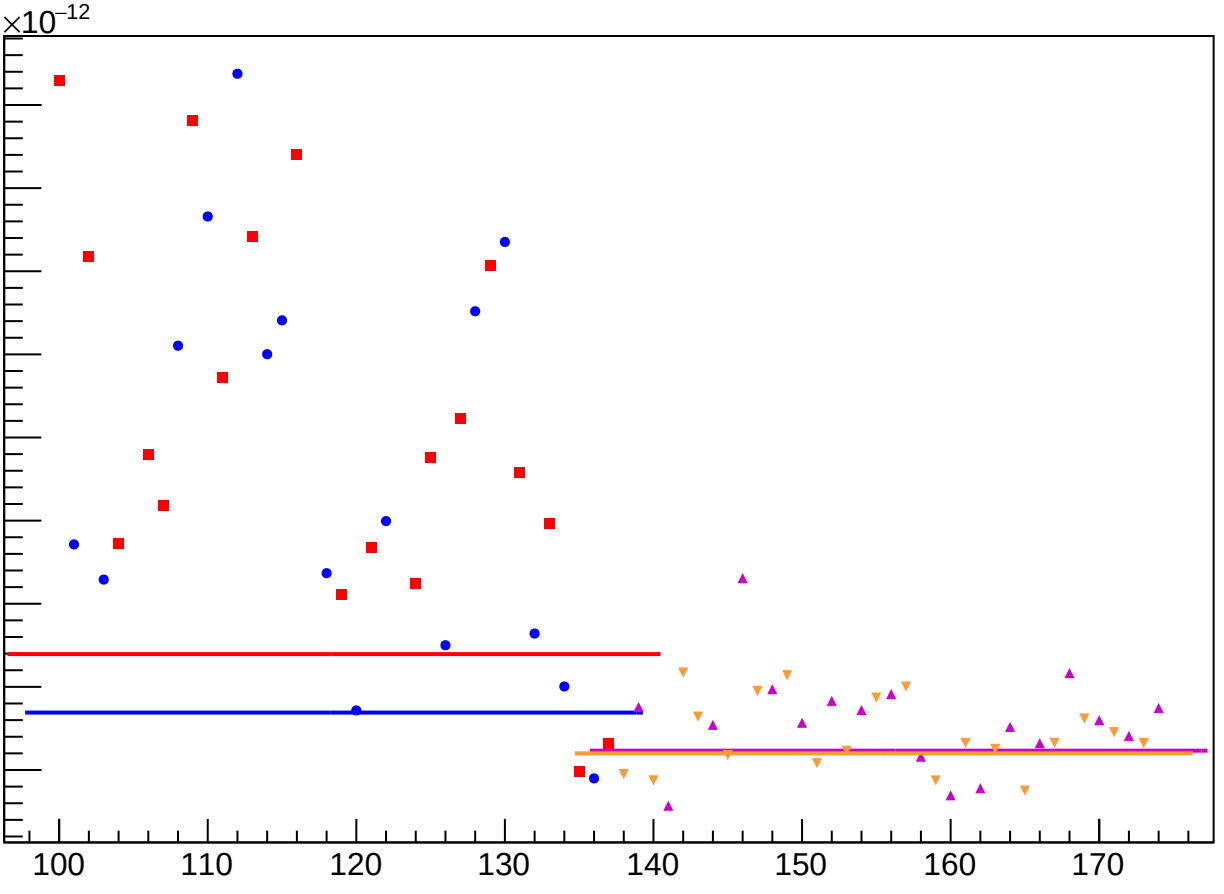
Left In: -0.000+/-0.000 χ^2/NDF:9.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 26.7/34

All: -0.000+/-0.000 χ^2/NDF: 55.7/71

- 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:947066.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

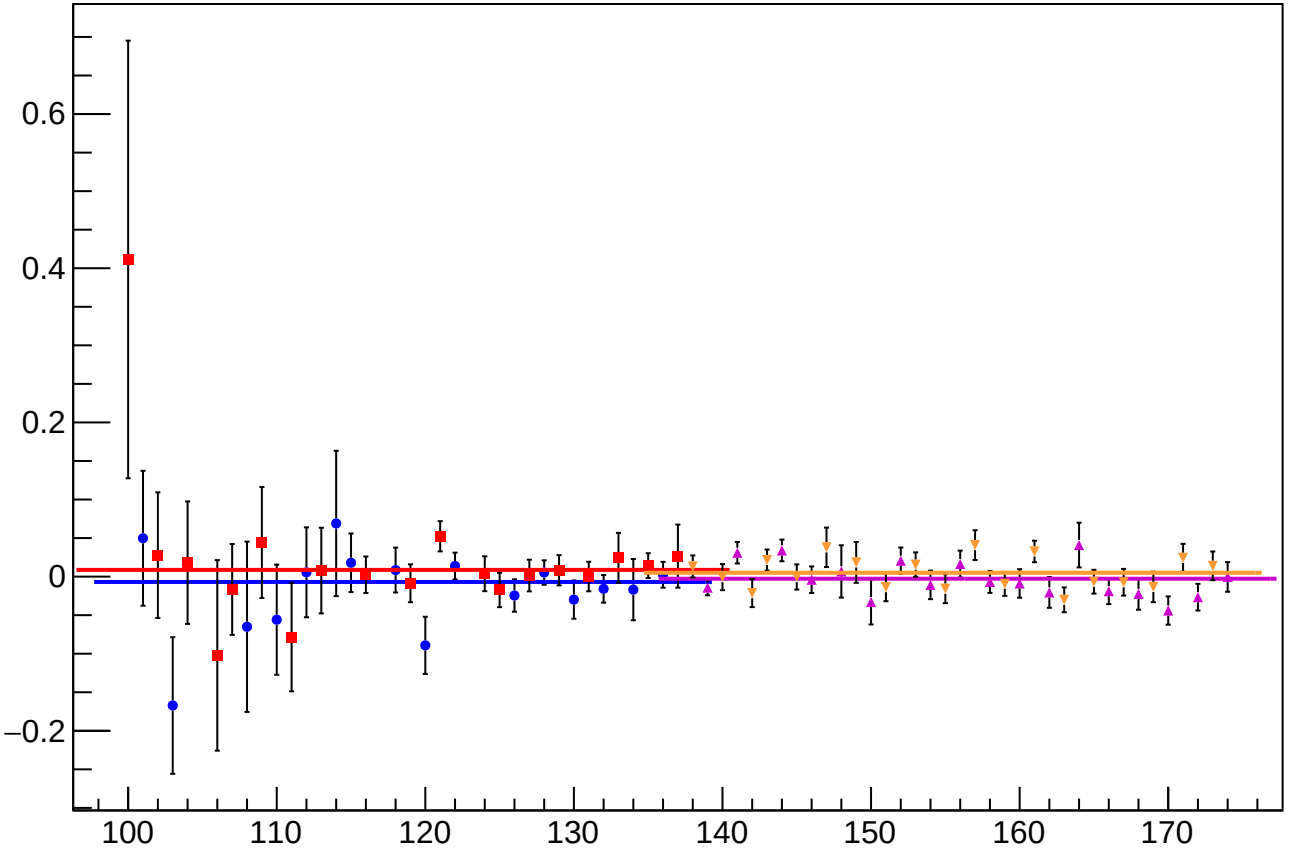
Left In: 0.000+/-0.000 χ^2/NDF:1904266.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 3971436.6/34

All: 0.000+/-0.000 χ^2/NDF: 9567643.9/71

- 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:25.0/18

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

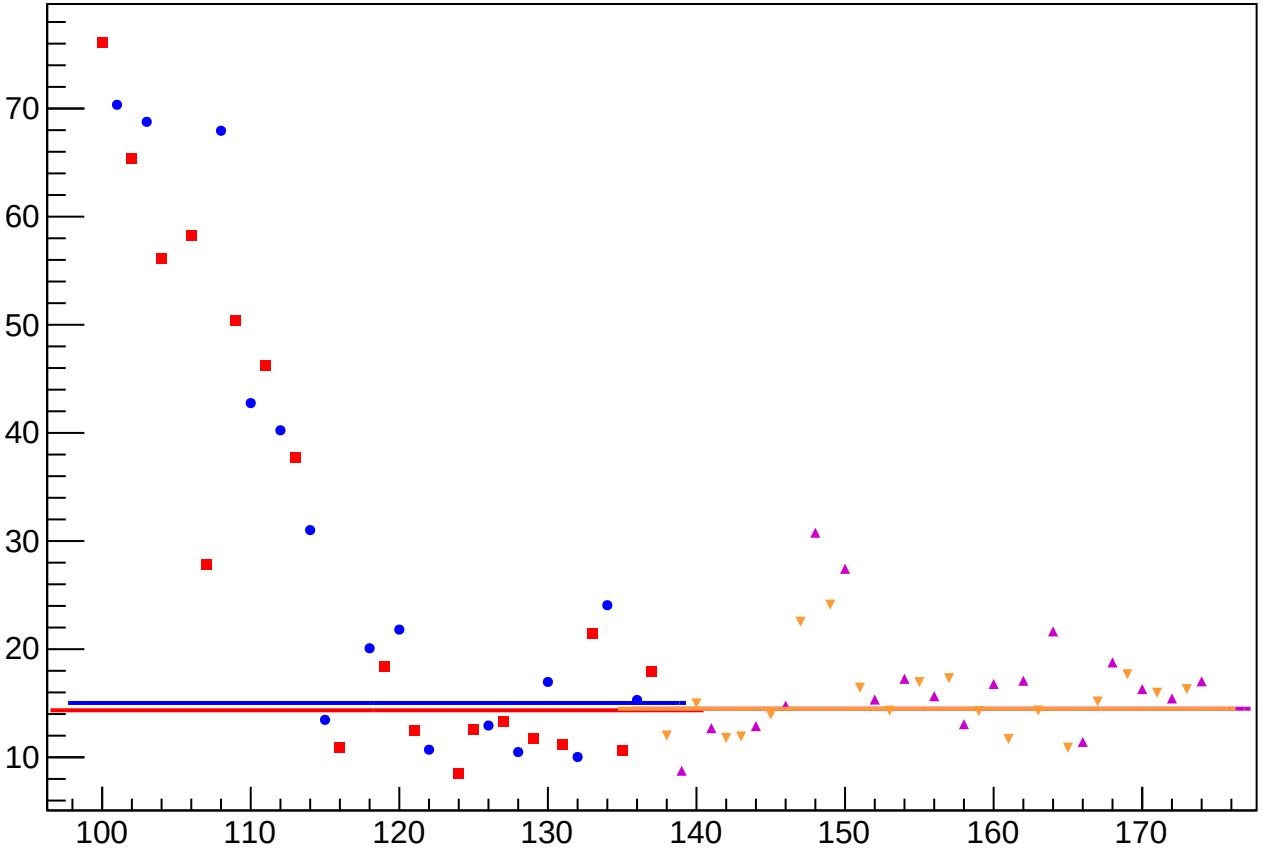
Left In: -0.003+/-0.004 χ^2/NDF:30.5/17

+ sign 0.002+/-0.003 χ^2/NDF: 42.3/34

All: 0.001+/-0.002 χ^2/NDF: 87.9/71

- 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: 14.492+/-0.003 χ^2/NDF:1018658.3/18

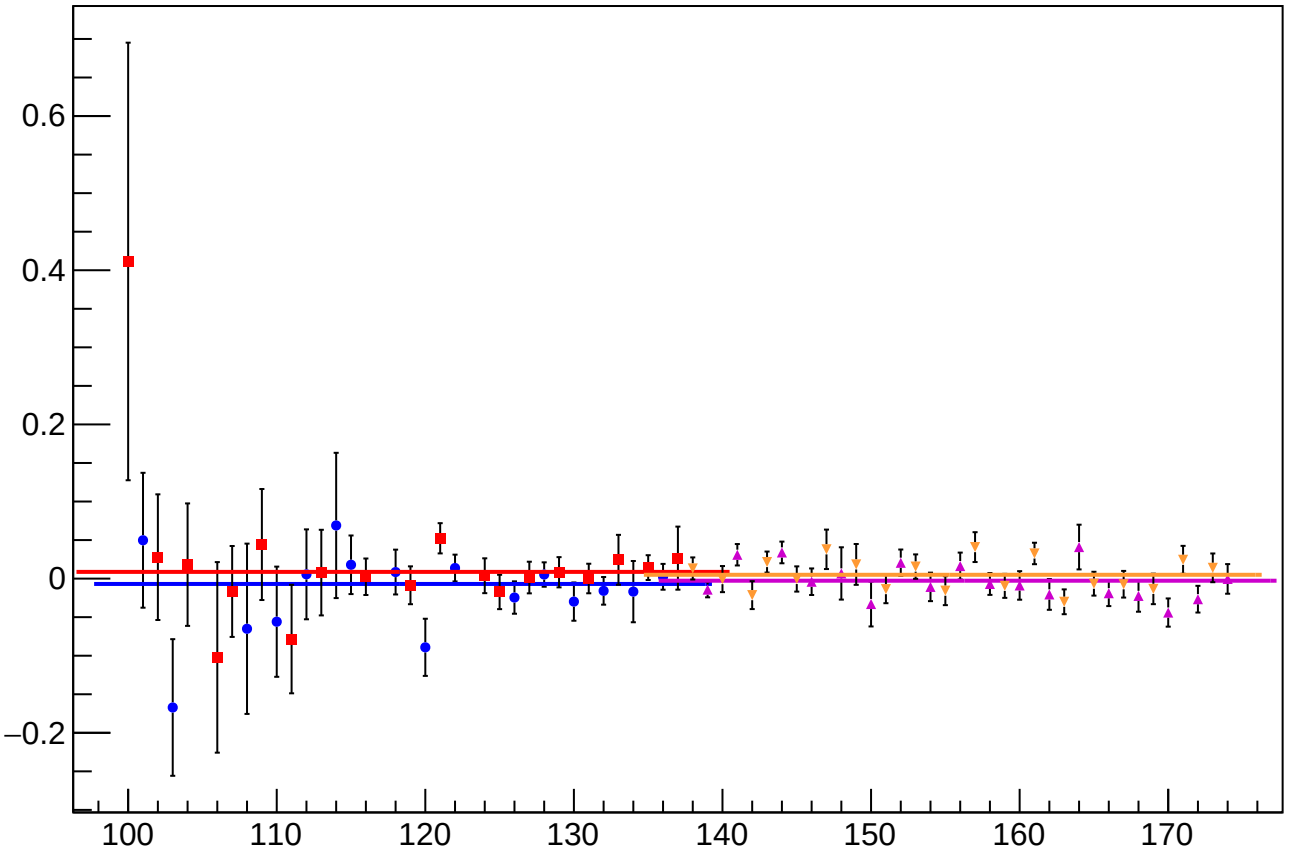
Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.494+/-0.003 χ^2/NDF:2047599.9/17

+ sign 14.627+/-0.002 χ^2/NDF: 4466308.8/34

All: 14.540+/-0.002 χ^2/NDF: 10146309.3/71

- sign 14.452+/-0.002 χ^2/NDF: 5677357.1/36



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.0/18

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

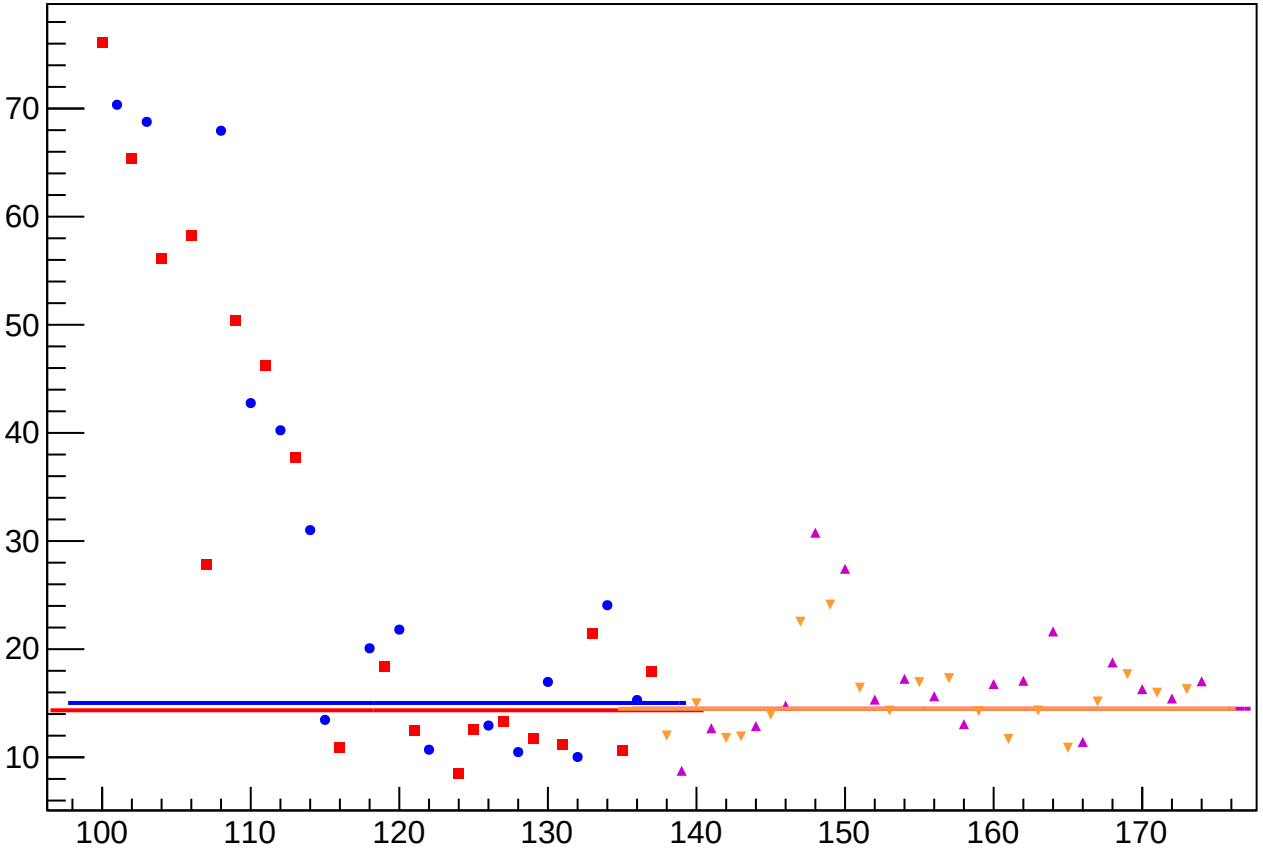
Left In: -0.003+/-0.004 χ^2/NDF:30.5/17

+ sign 0.002+/-0.003 χ^2/NDF: 42.3/34

All: 0.001+/-0.002 χ^2/NDF: 87.9/71

- 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: 14.492+/-0.003 χ^2/NDF:1018658.3/18

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

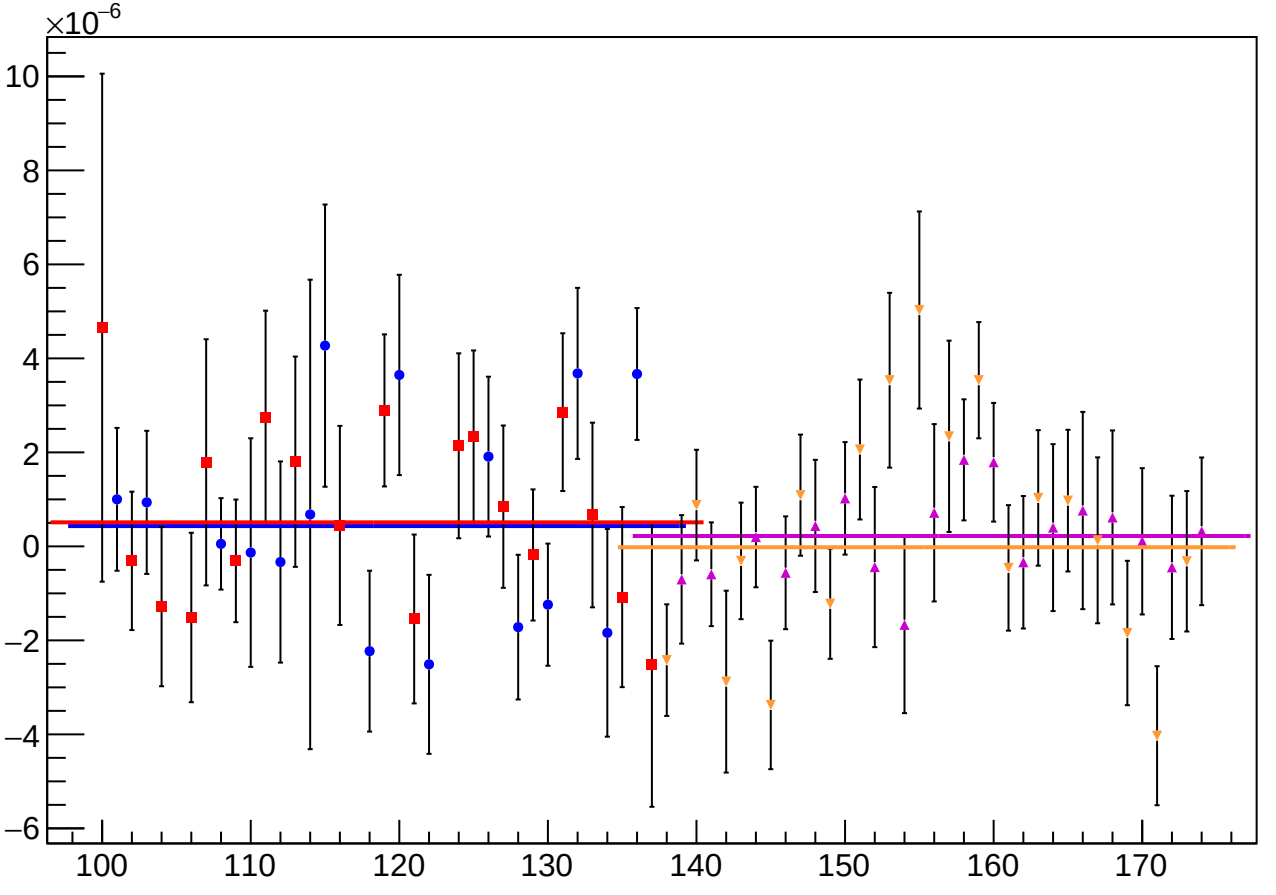
Left In: 14.494+/-0.003 χ^2/NDF:2047599.9/17

+ sign 14.627+/-0.002 χ^2/NDF: 4466308.8/34

All: 14.540+/-0.002 χ^2/NDF: 10146309.3/71

- 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:45.6/18

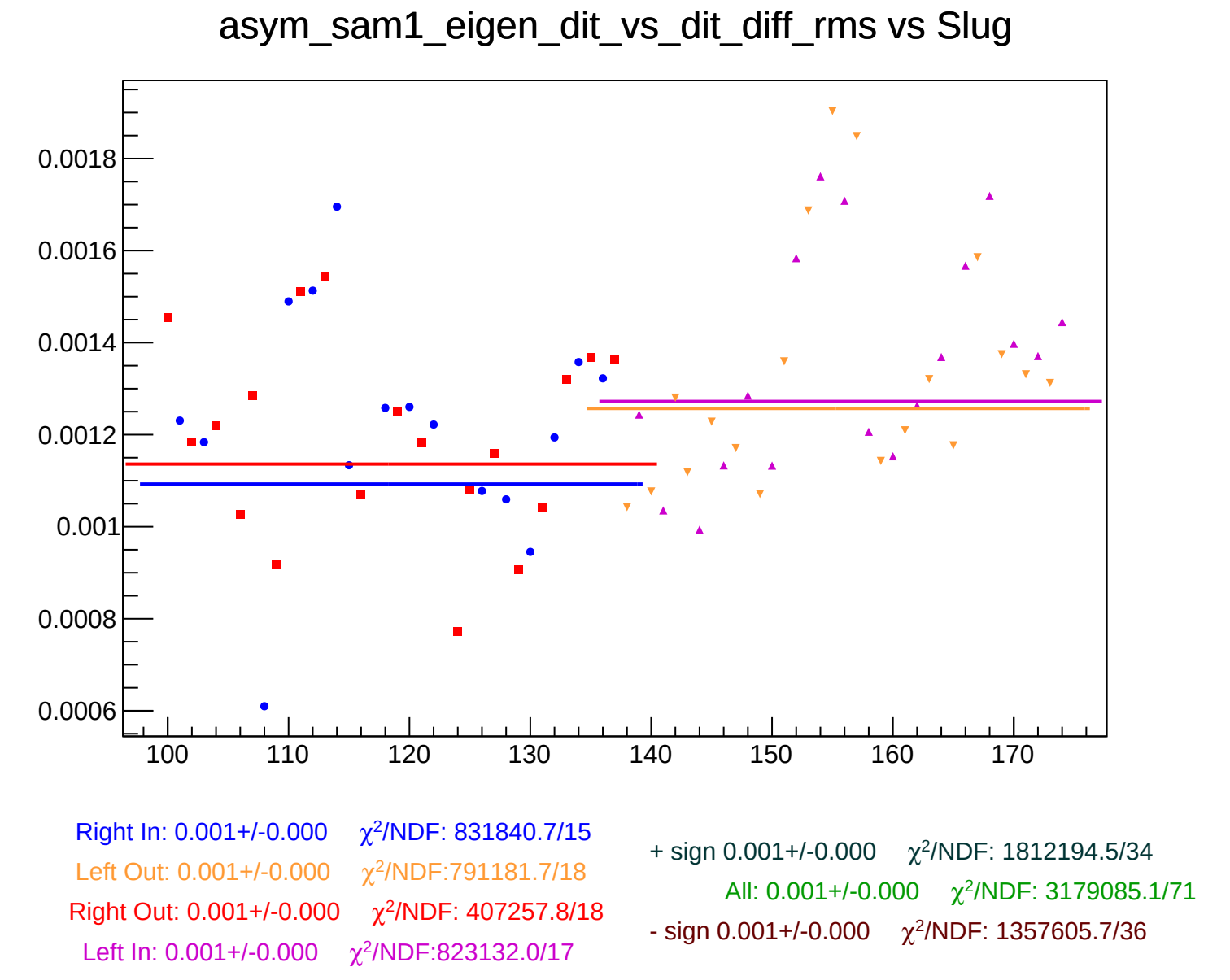
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/17

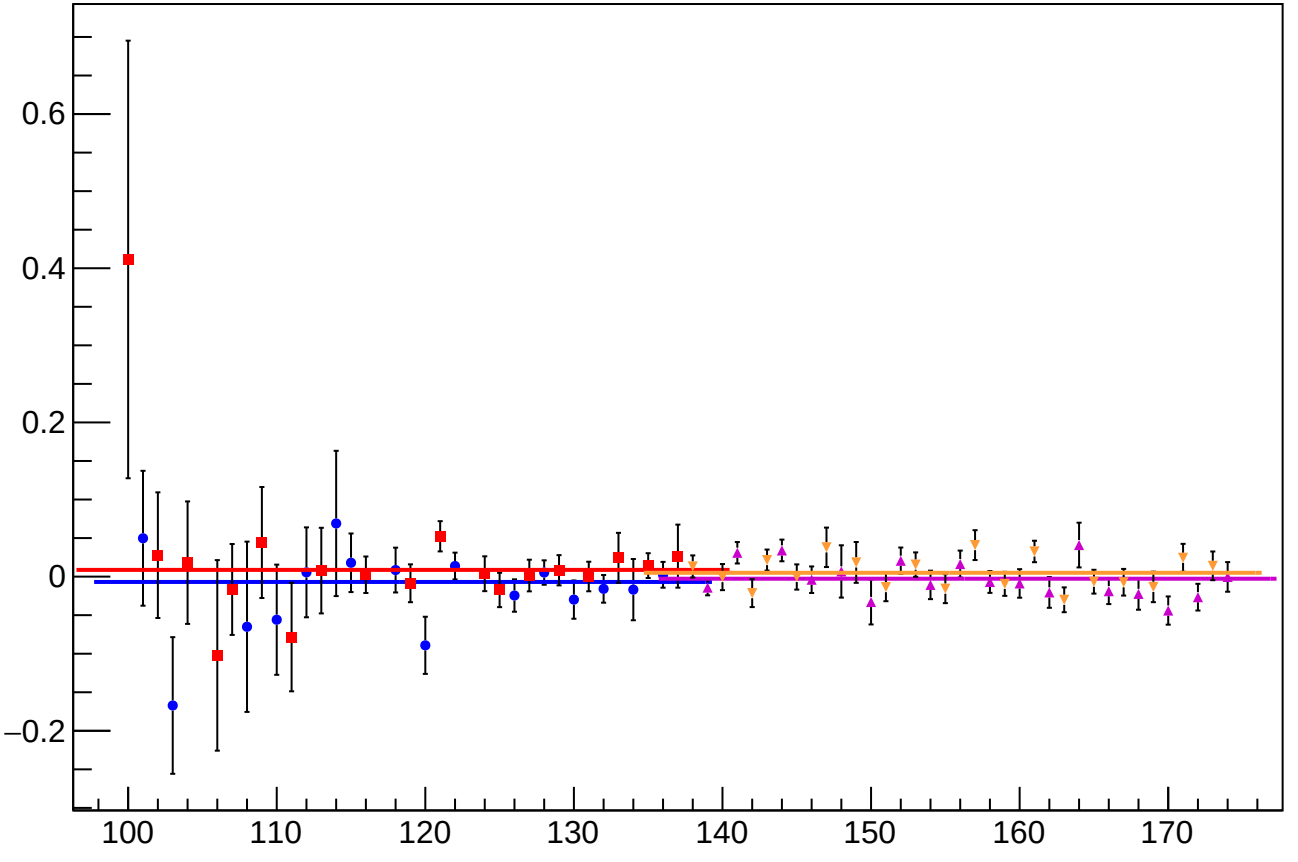
+ sign 0.000+/-0.000 χ^2/NDF: 69.6/34

All: 0.000+/-0.000 χ^2/NDF: 91.1/71

- sign 0.000+/-0.000 χ^2/NDF: 21.3/36


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:791181.7/18
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:823132.0/17
+ sign 0.001+/-0.000 χ²/NDF: 1812194.5/34
All: 0.001+/-0.000 χ²/NDF: 3179085.1/71
- sign 0.001+/-0.000 χ²/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:25.0/18

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

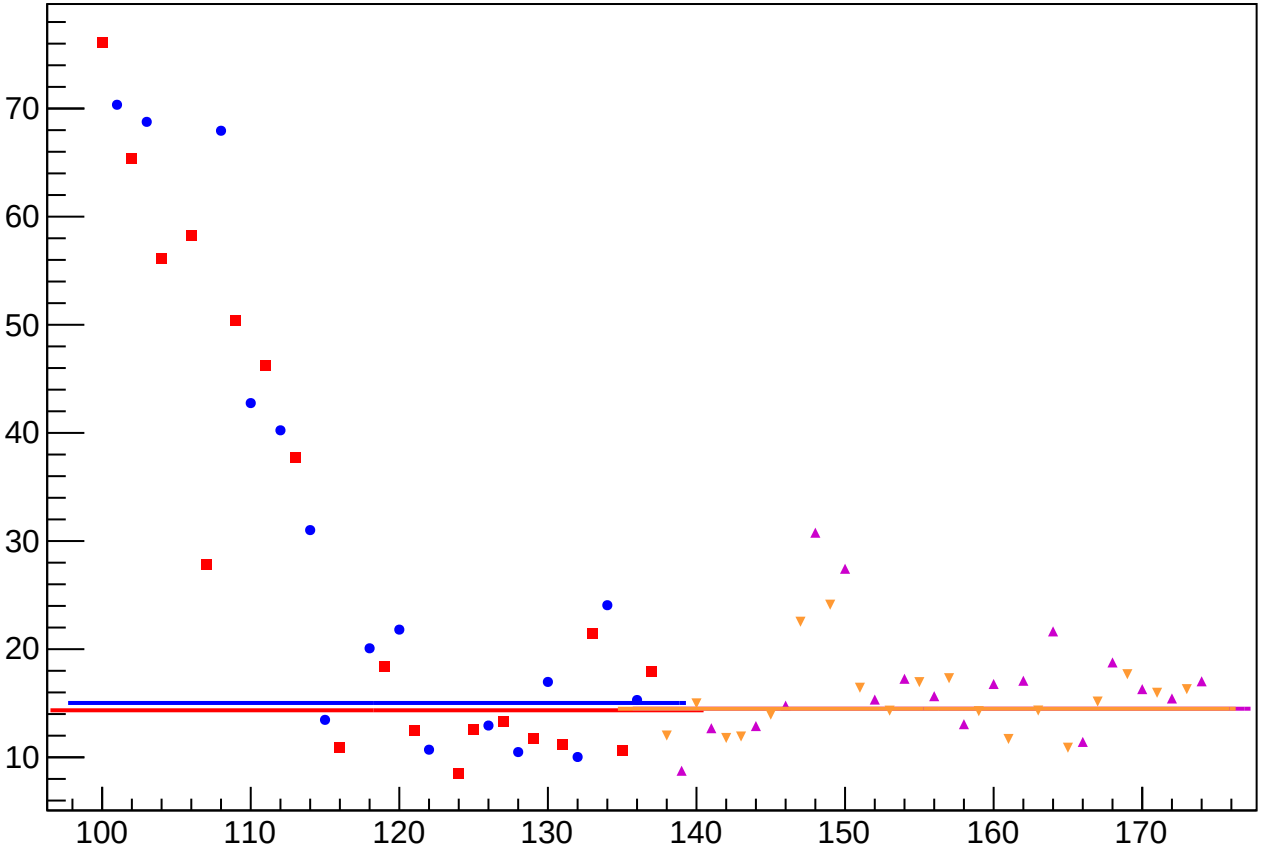
Left In: -0.003+/-0.004 χ^2/NDF:30.5/17

+ sign 0.002+/-0.003 χ^2/NDF: 42.3/34

All: 0.001+/-0.002 χ^2/NDF: 87.9/71

- 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: 14.492+/-0.003 χ^2/NDF:1018722.6/18

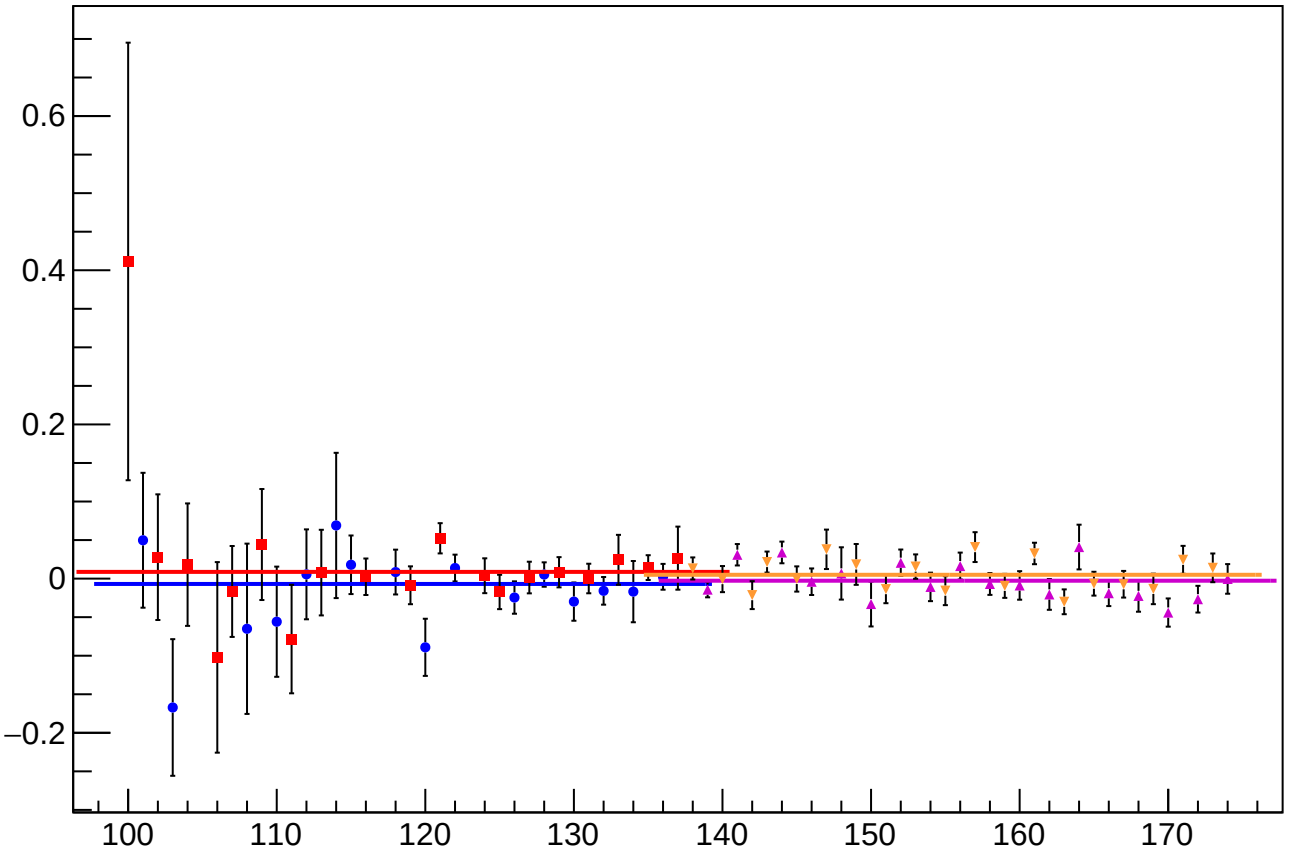
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.493+/-0.003 χ^2/NDF:2047666.2/17

+ sign 14.627+/-0.002 χ^2/NDF: 4466388.7/34

All: 14.540+/-0.002 χ^2/NDF: 10146444.8/71

- 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:25.0/18

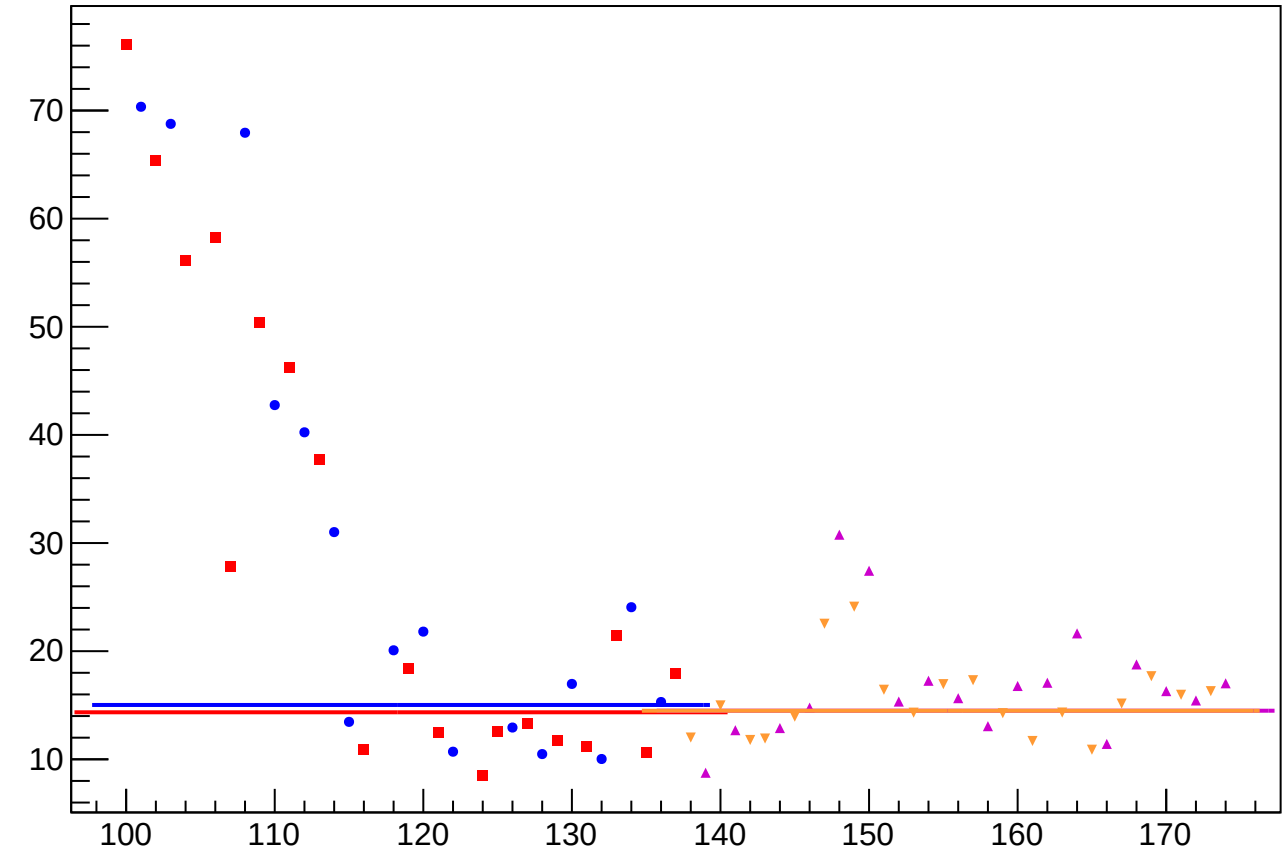
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.003+/-0.004 χ^2/NDF:30.5/17

\+ sign 0.002+/-0.003 χ^2/NDF: 42.3/34

All: 0.001+/-0.002 χ^2/NDF: 87.9/71

\- 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: 14.492+/-0.003 χ^2/NDF:1018722.6/18

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

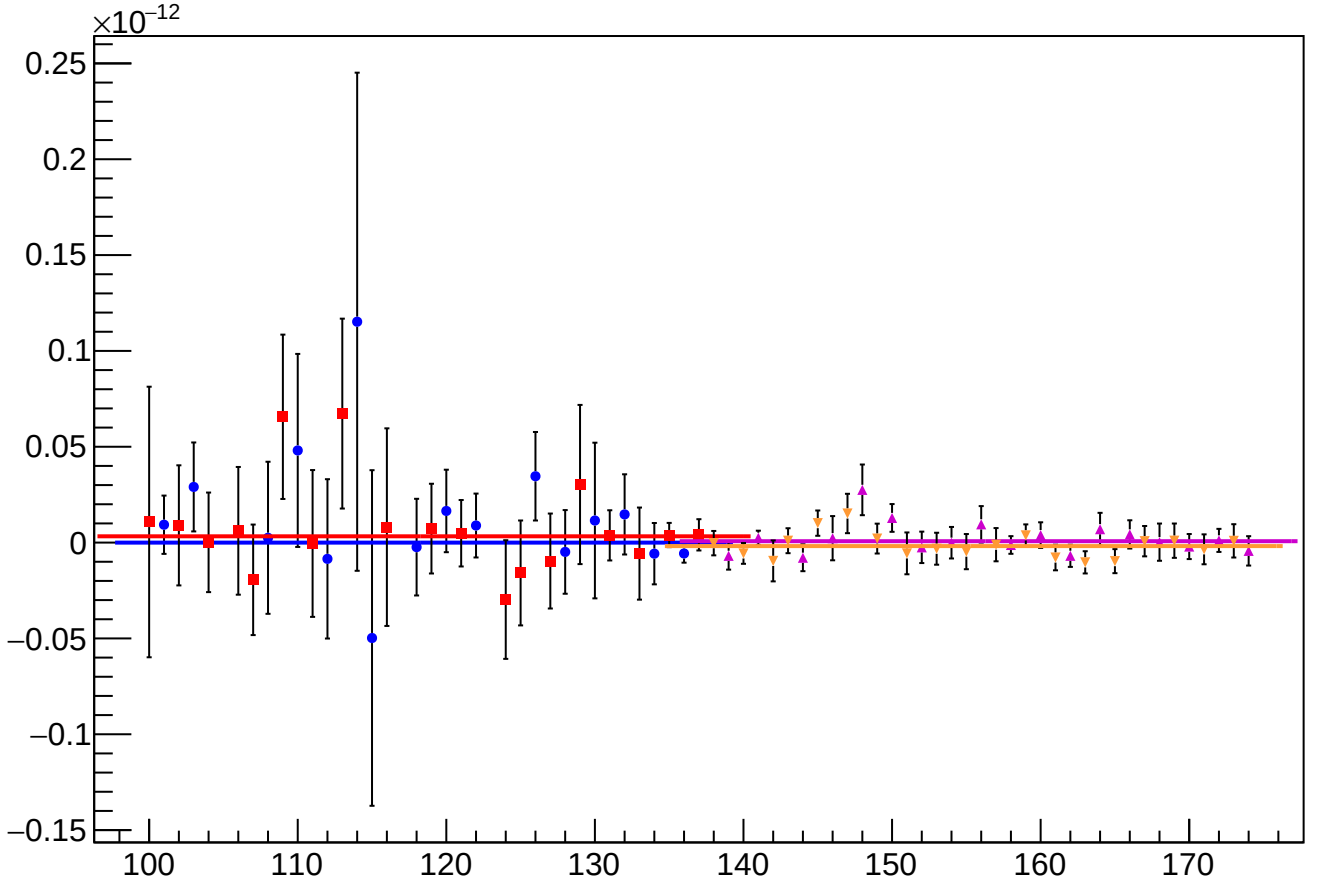
Left In: 14.493+/-0.003 χ^2/NDF:2047666.2/17

+ sign 14.627+/-0.002 χ^2/NDF: 4466388.7/34

All: 14.540+/-0.002 χ^2/NDF: 10146444.8/71

- sign 14.452+/-0.002 χ^2/NDF: 5677413.4/36

asym_sam1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/18

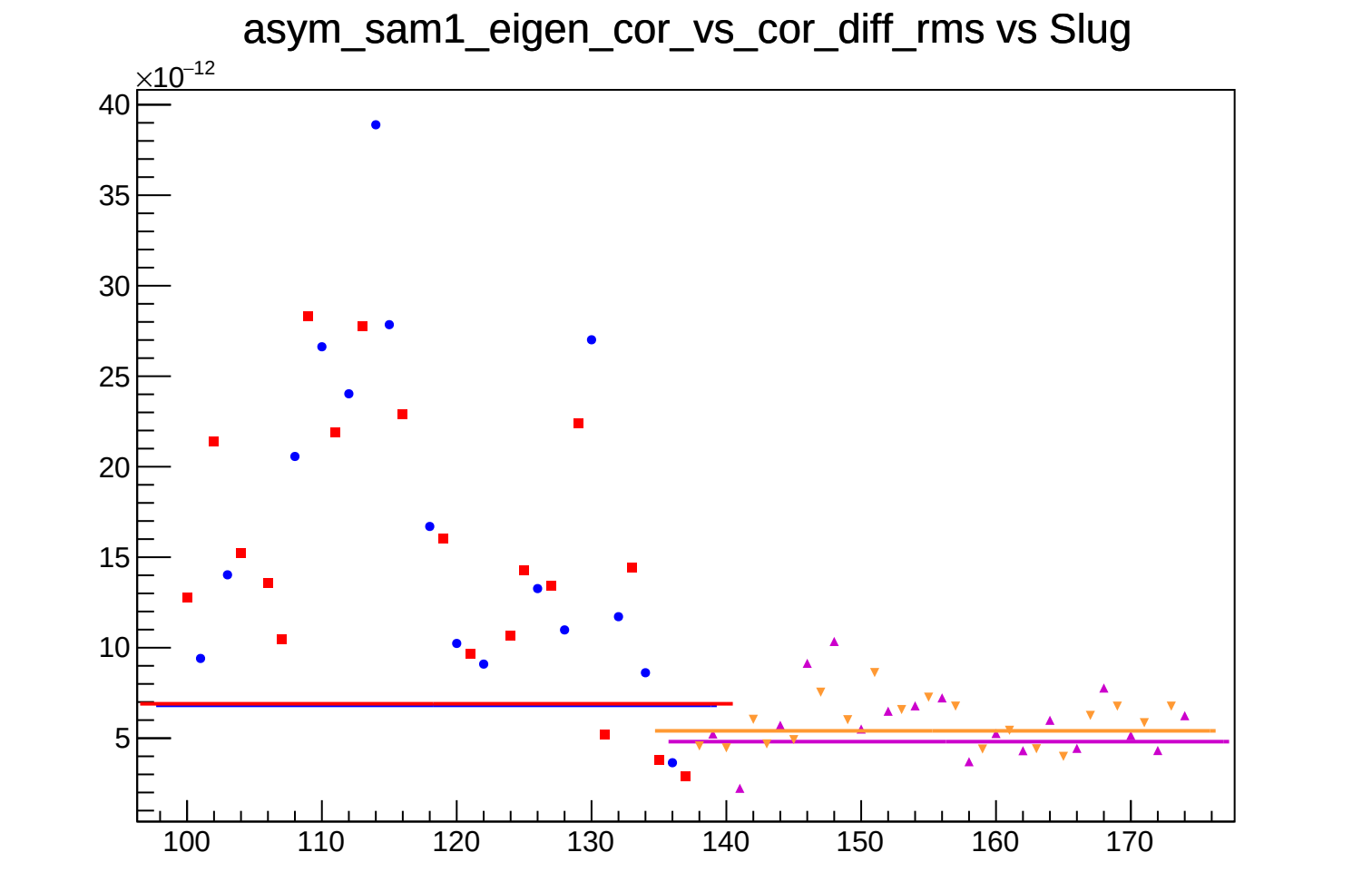
Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:14.4/17

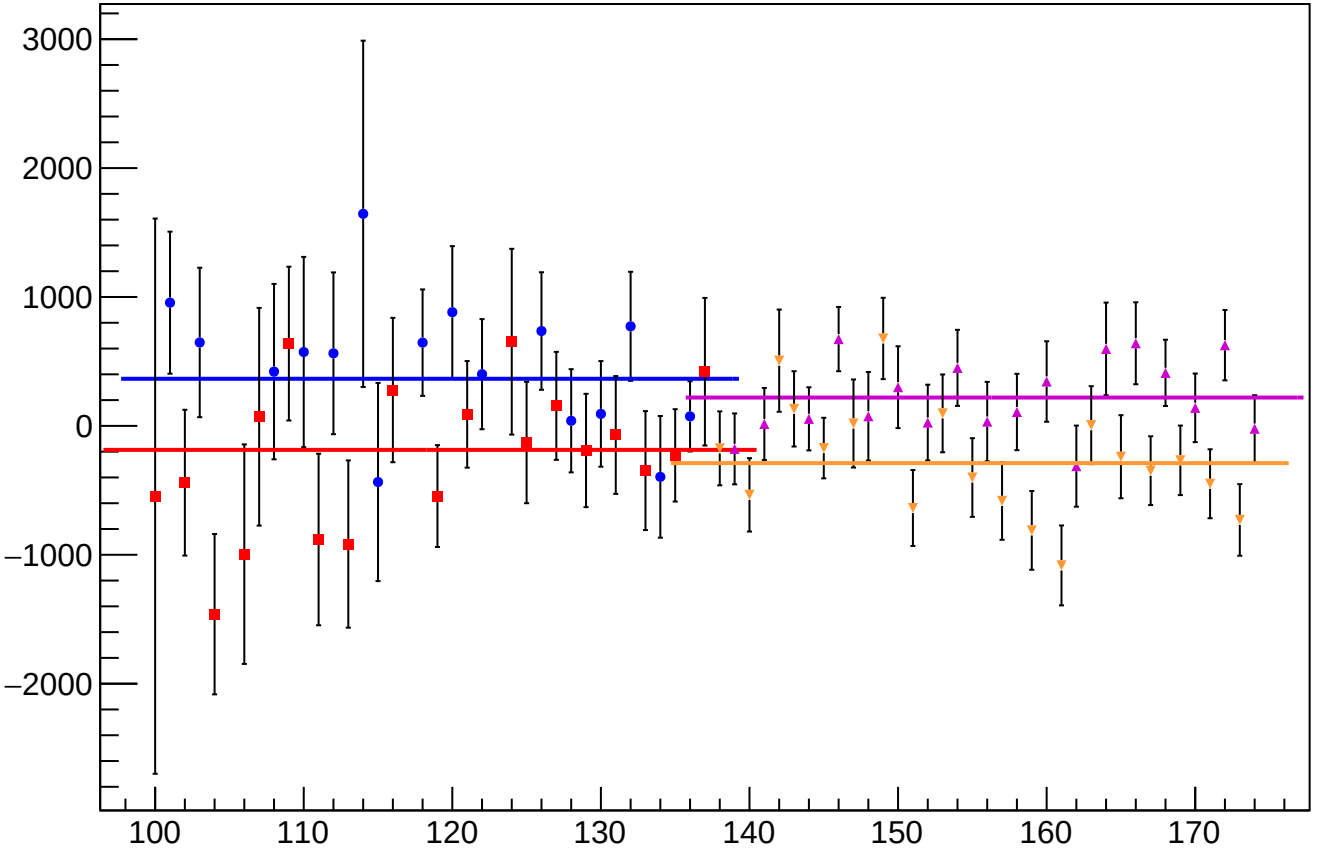
+ sign -0.000+/-0.000 χ^2/NDF: 23.1/34

All: -0.000+/-0.000 χ^2/NDF: 46.3/71

- sign 0.000+/-0.000 χ^2/NDF: 21.7/36


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:927878.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:2446430.8/17
+ sign 0.000+/-0.000 χ²/NDF: 4670684.8/34
All: 0.000+/-0.000 χ²/NDF: 11968919.2/71
- sign 0.000+/-0.000 χ²/NDF: 7171226.8/36

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -288.991+/-67.429 χ^2/NDF:34.9/18

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

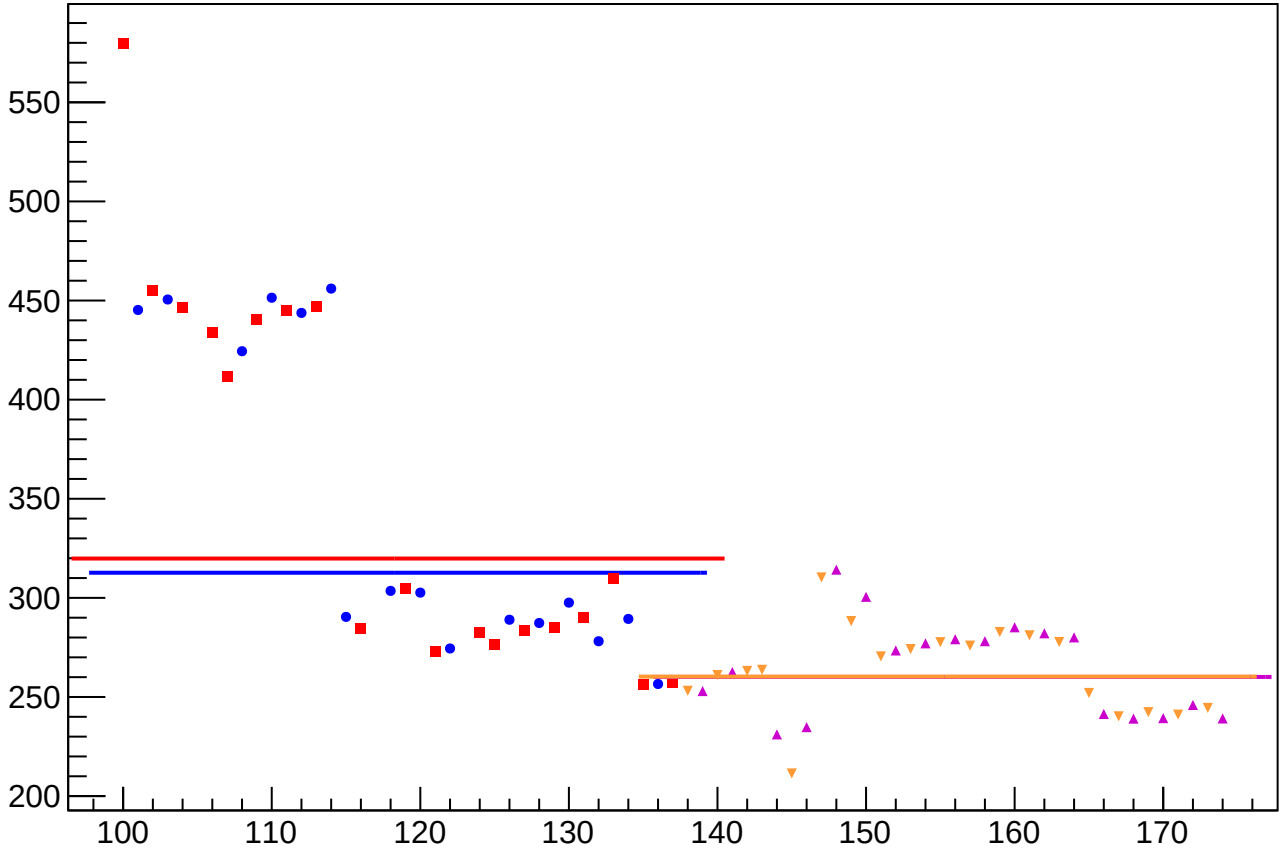
Left In: 219.859+/-67.780 χ^2/NDF:17.8/17

+ sign -129.658+/-58.650 χ^2/NDF: 69.4/34

All: -4.713+/-41.609 χ^2/NDF: 120.0/71

- 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: 260.290+/-0.048 χ^2/NDF:230066.2/18

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

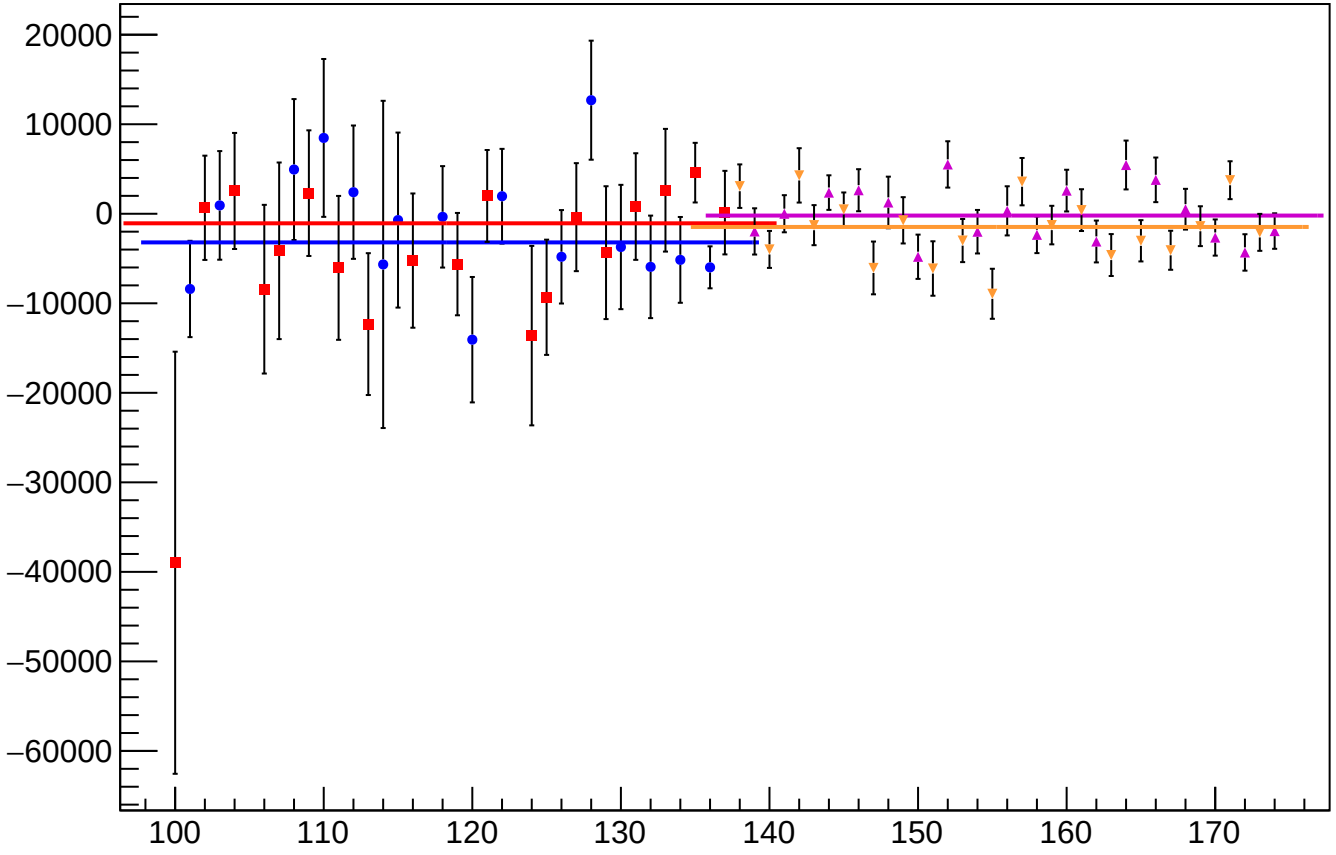
Left In: 260.113+/-0.048 χ^2/NDF:237716.4/17

+ sign 273.044+/-0.041 χ^2/NDF: 1126215.5/34

All: 273.780+/-0.029 χ^2/NDF: 2437186.0/71

- sign 274.525+/-0.042 χ^2/NDF: 1310336.8/36

asym_sam2_reg_correction_mean vs Slug



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1472.905+/-538.591 χ^2/NDF:36.2/18

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

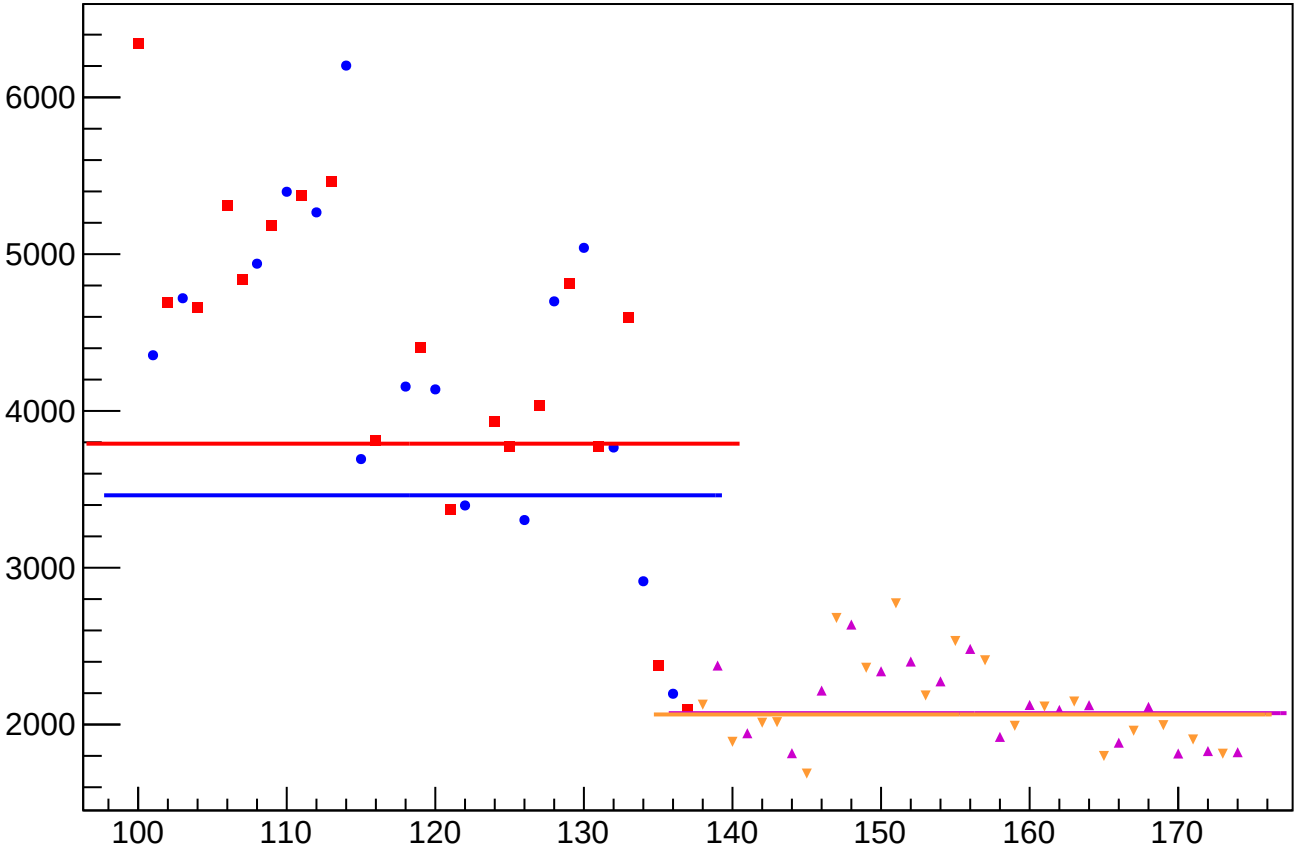
Left In: -201.673+/-542.121 χ^2/NDF:30.2/17

+ sign -1708.730+/-500.442 χ^2/NDF: 53.7/34

All: -1018.437+/-356.336 χ^2/NDF: 102.5/71

- 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: 2064.183+/-0.381 χ^2/NDF:493503.1/18

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

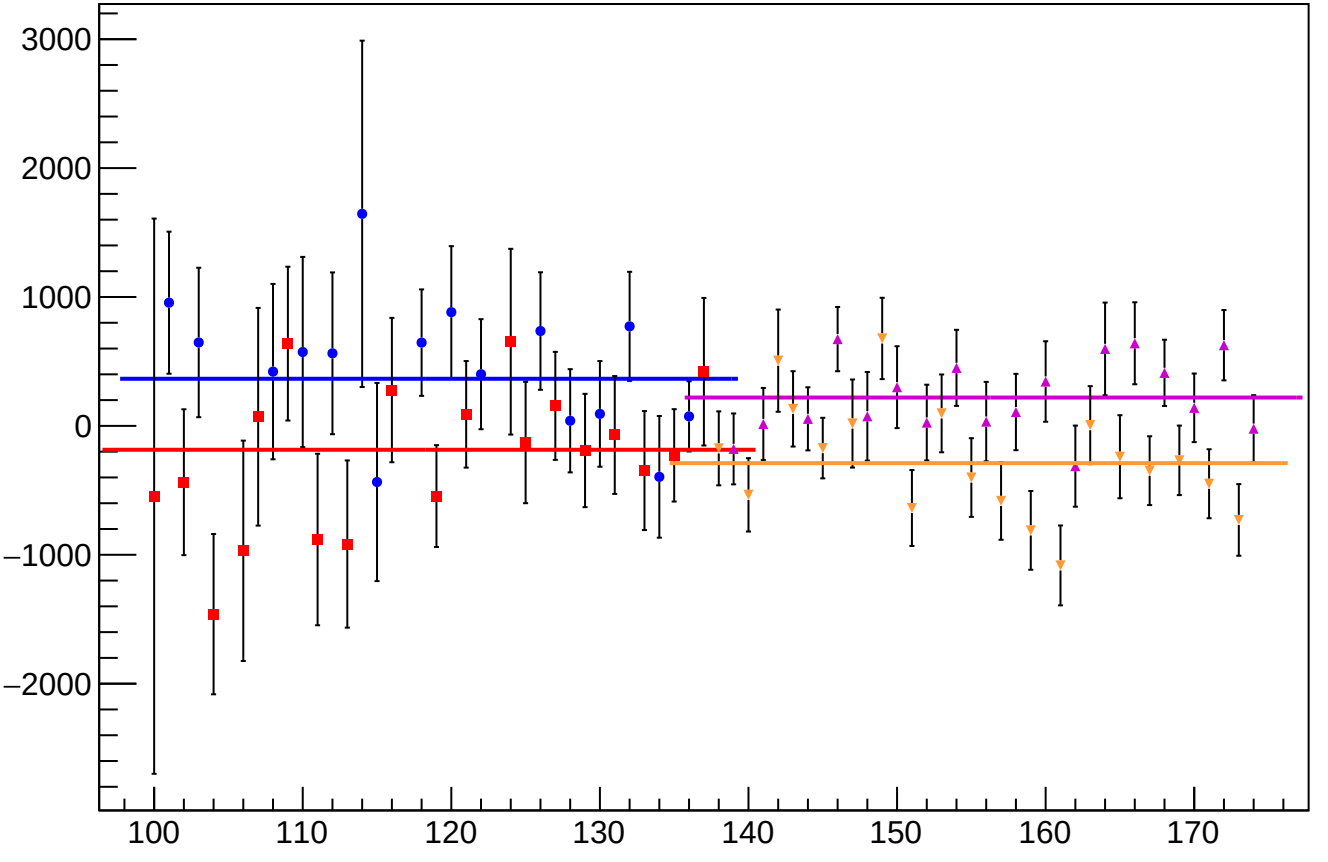
Left In: 2072.510+/-0.383 χ^2/NDF:385861.3/17

+ sign 2255.176+/-0.354 χ^2/NDF: 3643676.9/34

All: 2269.881+/-0.252 χ^2/NDF: 7674127.0/71

- 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: -288.987+/-67.429 χ^2/NDF:34.9/18

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

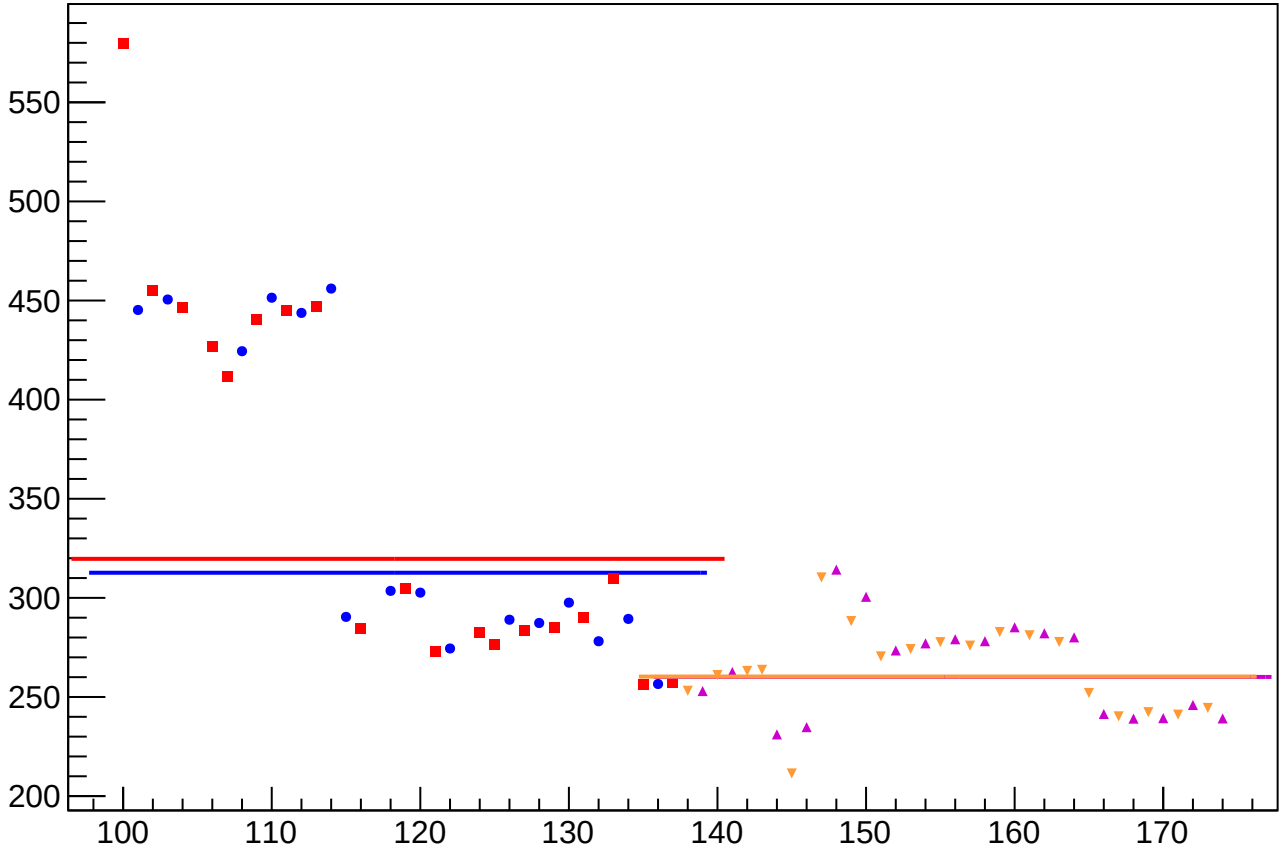
Left In: 219.863+/-67.780 χ^2/NDF:17.8/17

+ sign -129.659+/-58.650 χ^2/NDF: 69.4/34

All: -4.611+/-41.609 χ^2/NDF: 119.9/71

- 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: 260.290+/-0.048 χ^2/NDF:230066.2/18

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

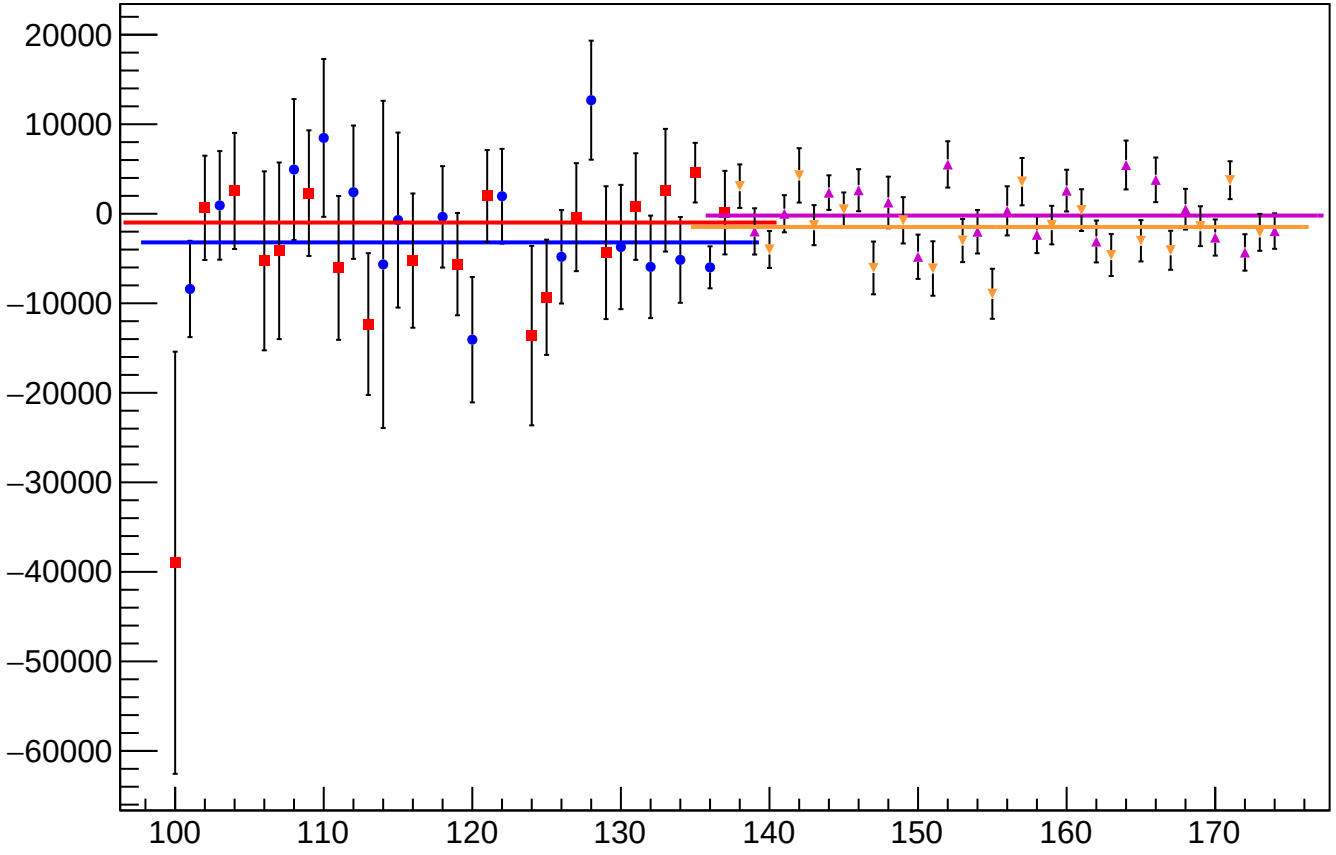
Left In: 260.113+/-0.048 χ^2/NDF:237716.4/17

\+ sign 273.044+/-0.041 χ^2/NDF: 1126217.1/34

All: 273.761+/-0.029 χ^2/NDF: 2431082.7/71

\- 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: -1472.899+/-538.591 χ^2/NDF:36.2/18

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

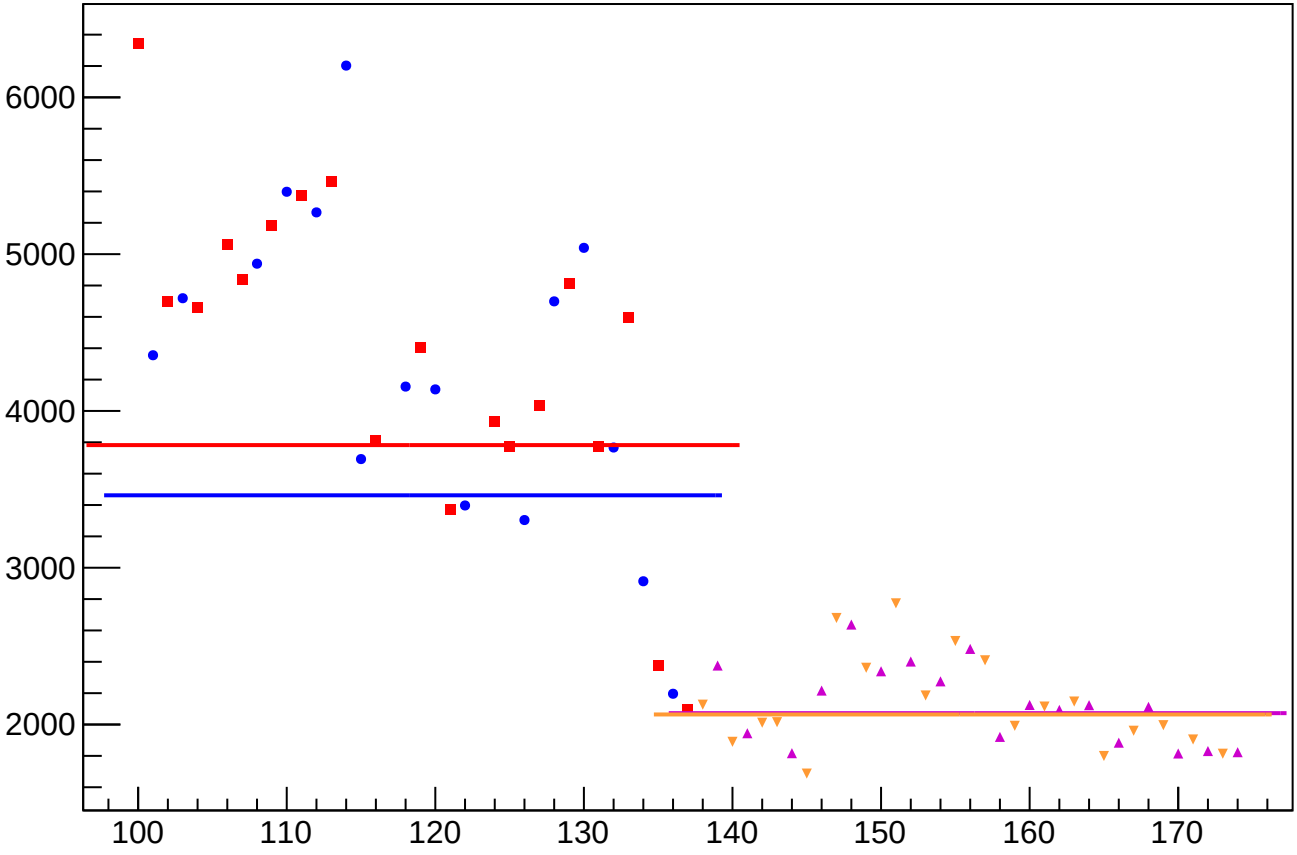
Left In: -201.676+/-542.121 χ^2/NDF:30.2/17

+ sign -1708.715+/-500.443 χ^2/NDF: 53.7/34

All: -1013.255+/-356.365 χ^2/NDF: 102.0/71

- 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: 2064.183+/-0.381 χ^2/NDF:493503.5/18

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

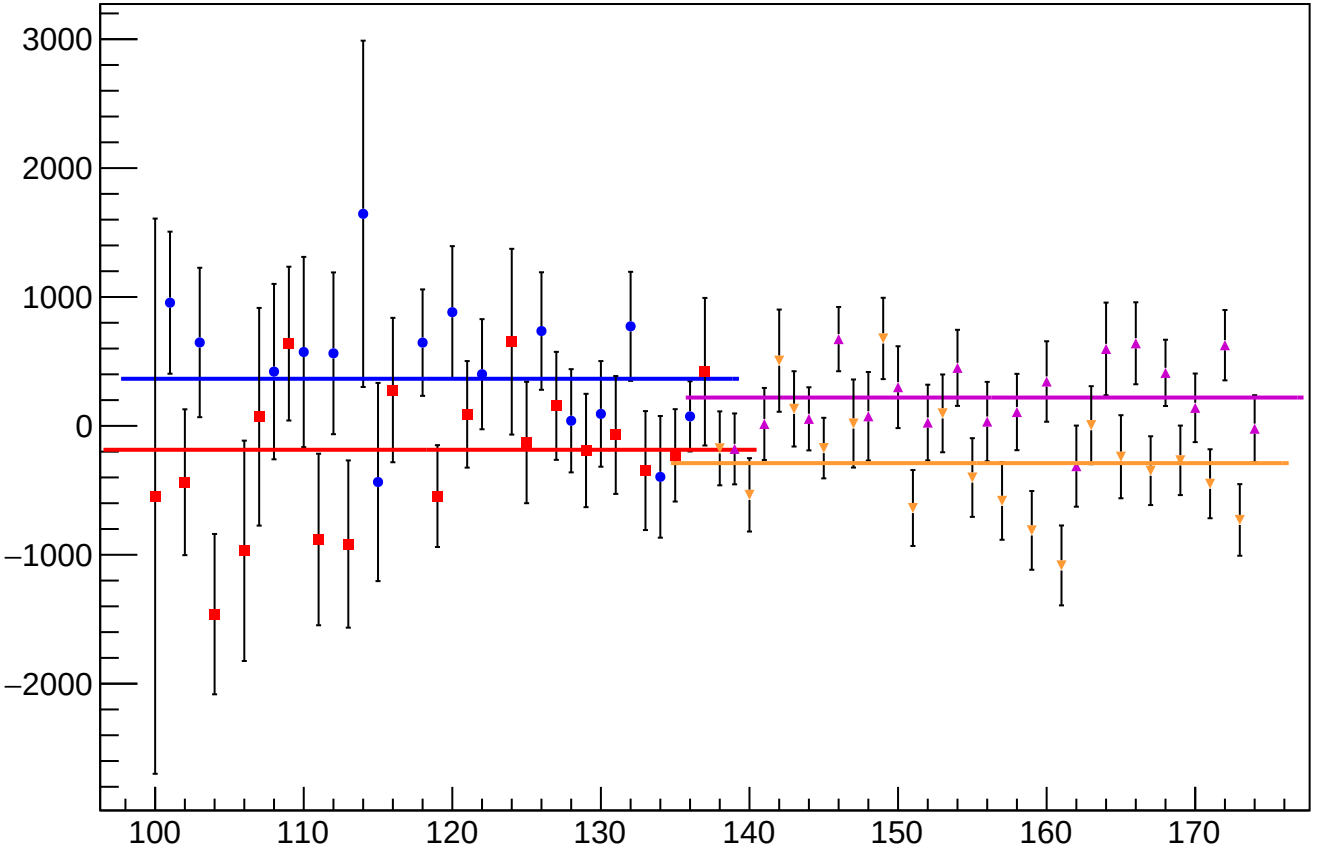
Left In: 2072.510+/-0.383 χ^2/NDF:385863.2/17

+ sign 2255.176+/-0.354 χ^2/NDF: 3643697.5/34

All: 2269.084+/-0.252 χ^2/NDF: 7622535.2/71

- sign 2283.391+/-0.359 χ^2/NDF: 3975703.9/36

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -288.987+/-67.429 χ^2/NDF:34.9/18

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

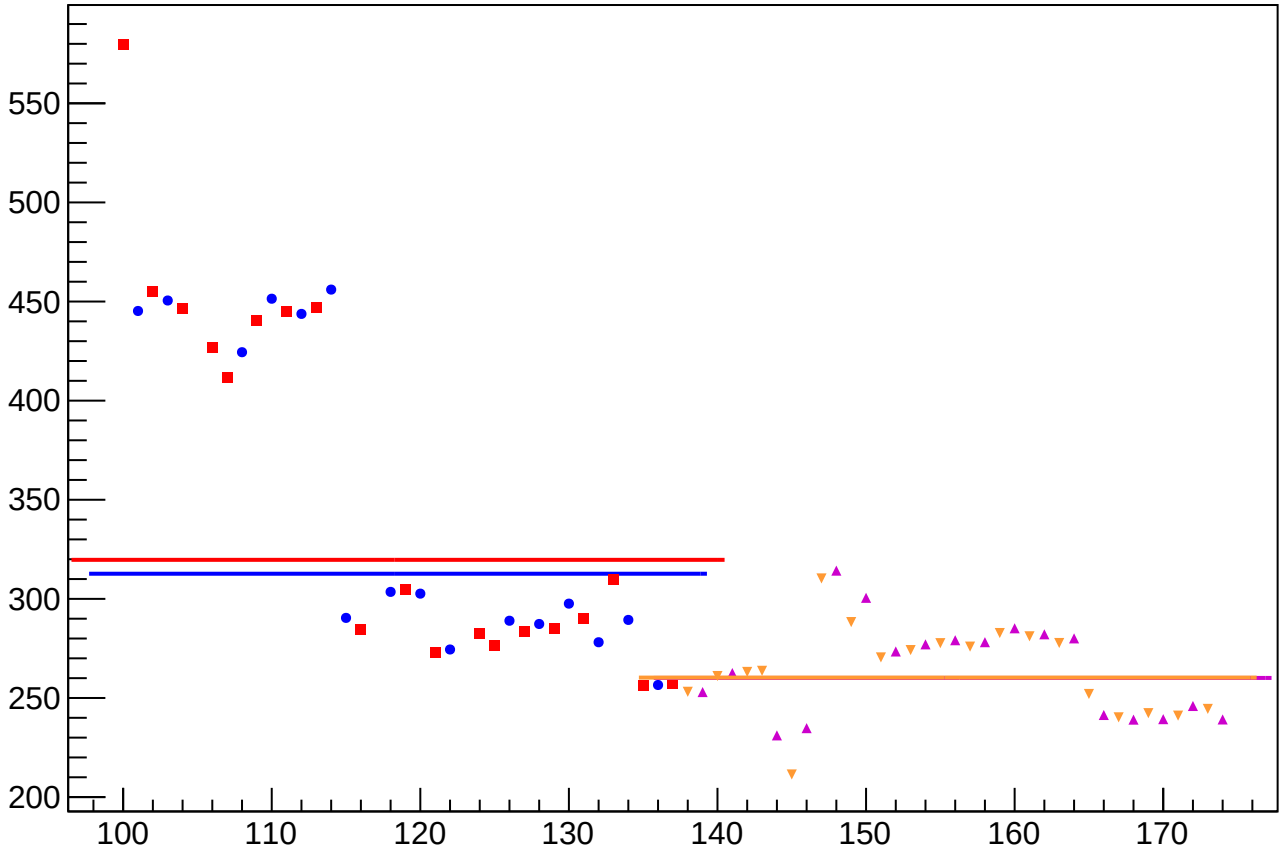
Left In: 219.863+/-67.780 χ^2/NDF:17.8/17

+ sign -129.659+/-58.650 χ^2/NDF: 69.4/34

All: -4.611+/-41.609 χ^2/NDF: 119.9/71

- sign 122.104+/-59.040 χ^2/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: 260.290+/-0.048 χ^2/NDF:230066.2/18

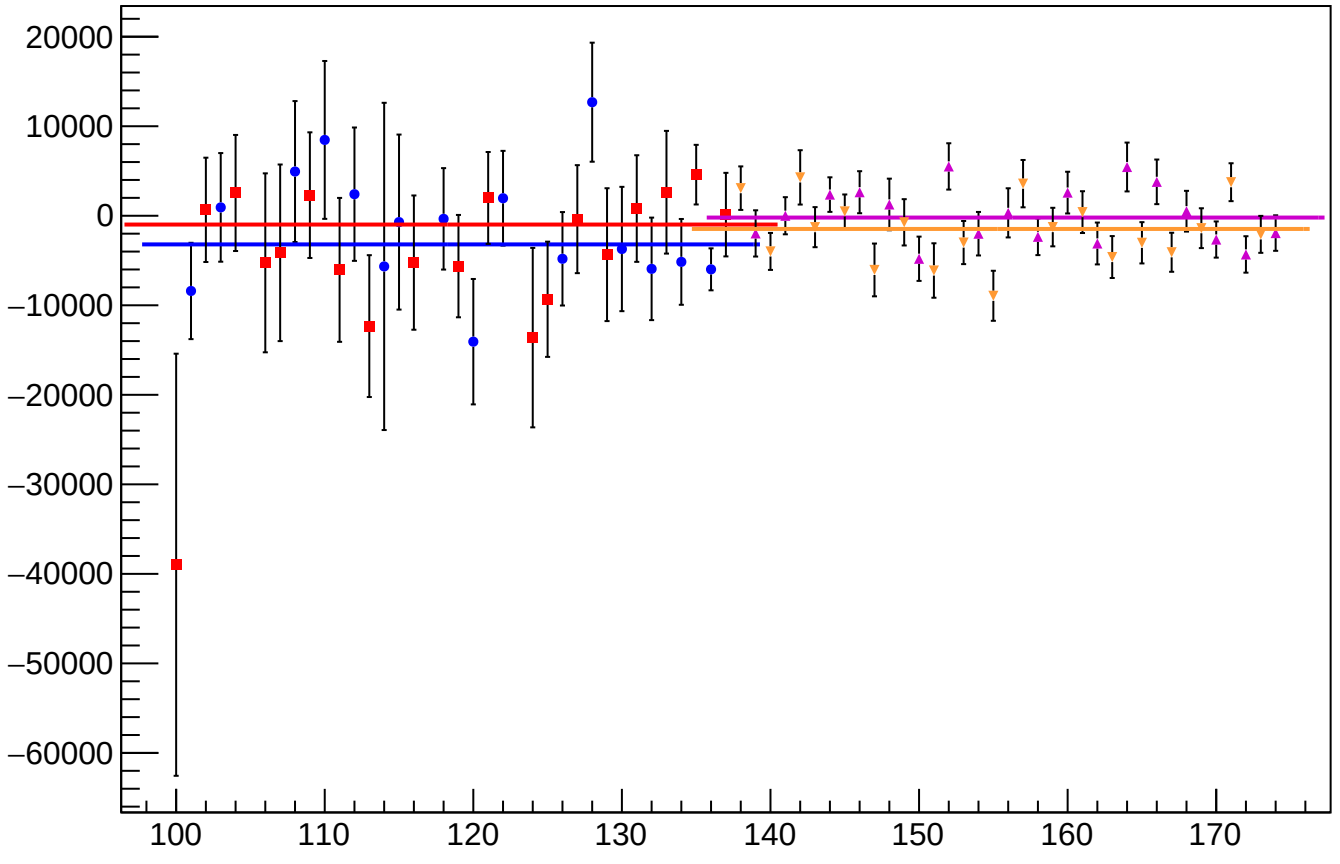
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 260.113+/-0.048 χ^2/NDF:237716.4/17

+ sign 273.044+/-0.041 χ^2/NDF: 1126217.1/34

All: 273.761+/-0.029 χ^2/NDF: 2431082.7/71

- 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: -1472.899+/-538.591 χ^2/NDF:36.2/18

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

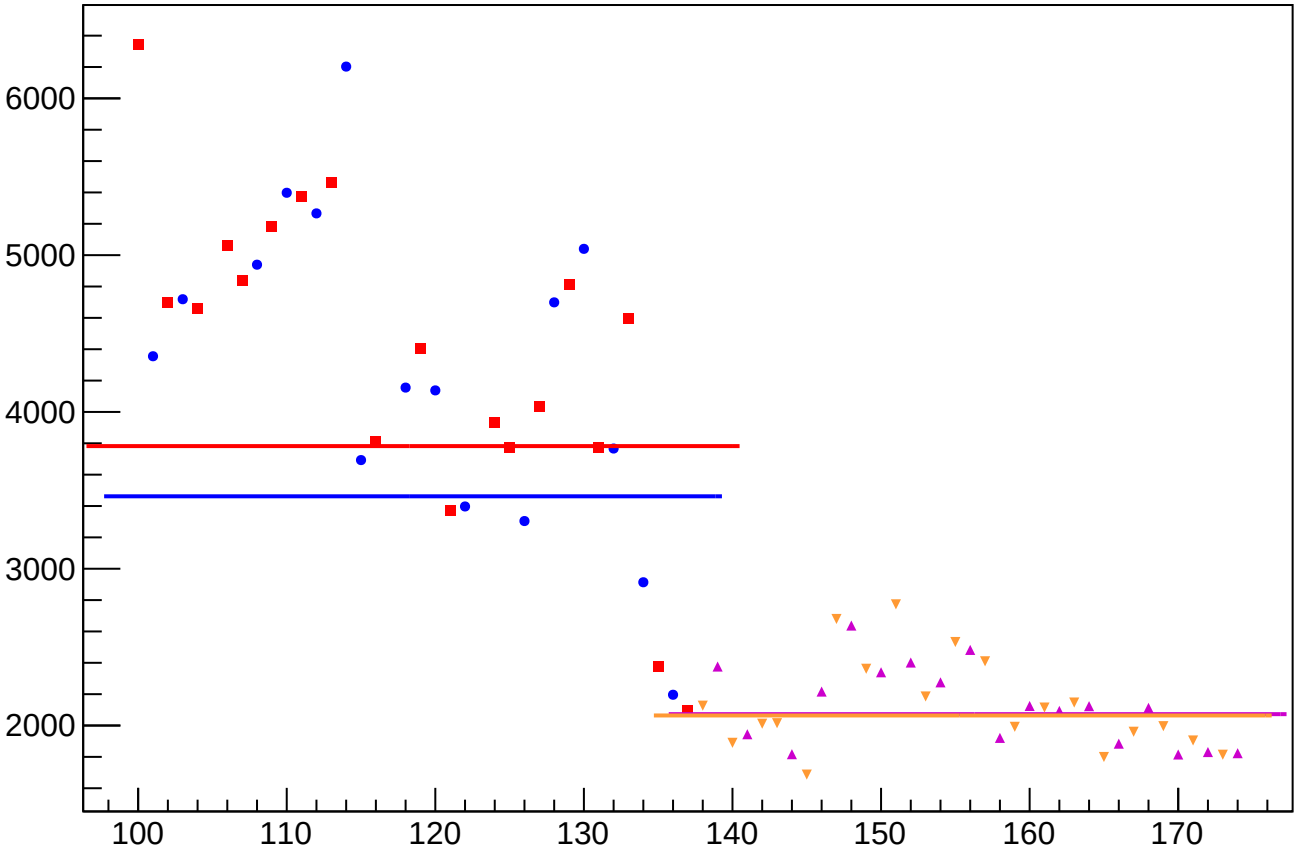
Left In: -201.676+/-542.121 χ^2/NDF:30.2/17

+ sign -1708.715+/-500.443 χ^2/NDF: 53.7/34

All: -1013.255+/-356.365 χ^2/NDF: 102.0/71

- 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: 2064.183+/-0.381 χ^2/NDF:493503.5/18

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

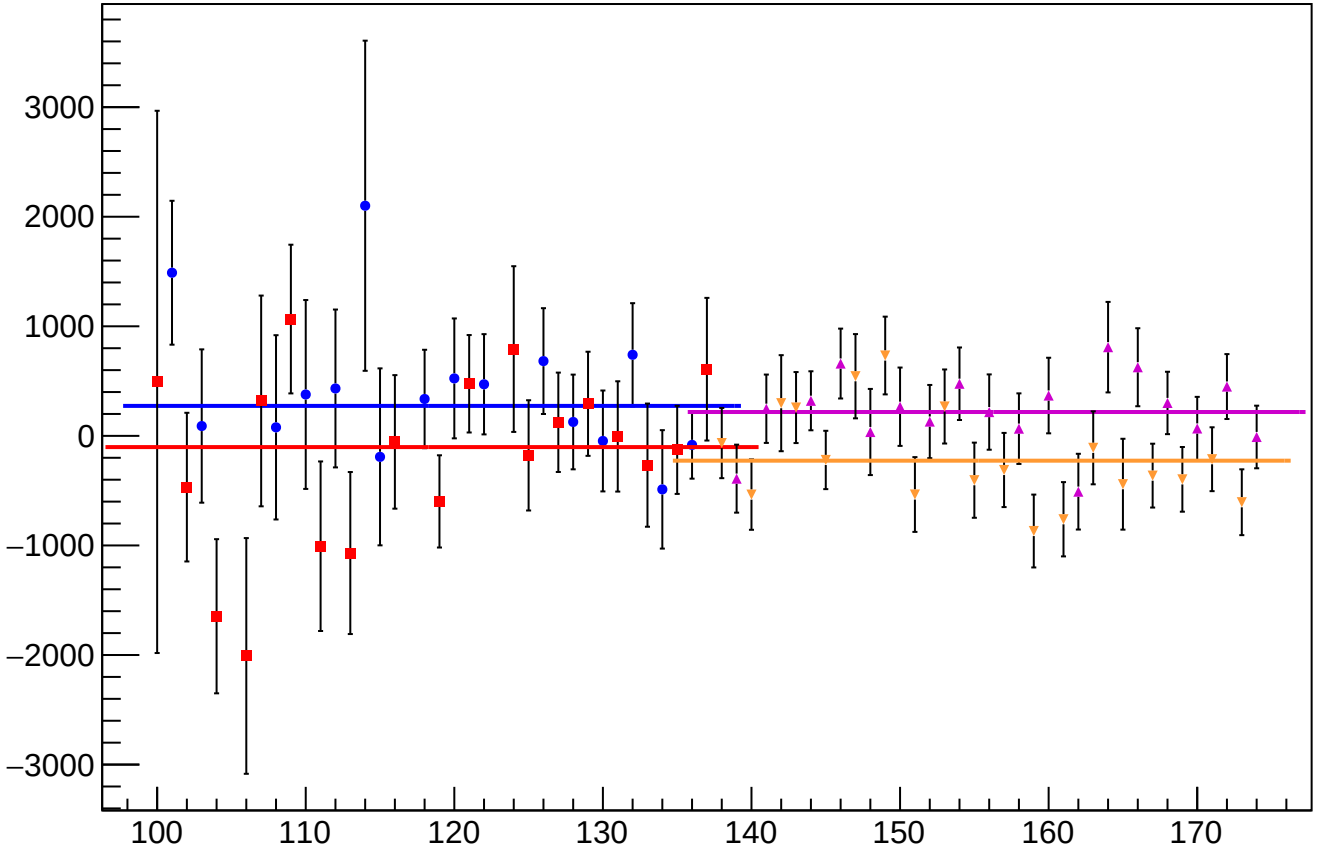
Left In: 2072.510+/-0.383 χ^2/NDF:385863.2/17

+ sign 2255.176+/-0.354 χ^2/NDF: 3643697.5/34

All: 2269.084+/-0.252 χ^2/NDF: 7622535.2/71

- 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: -226.366+/-75.322 χ^2/NDF:28.2/18

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

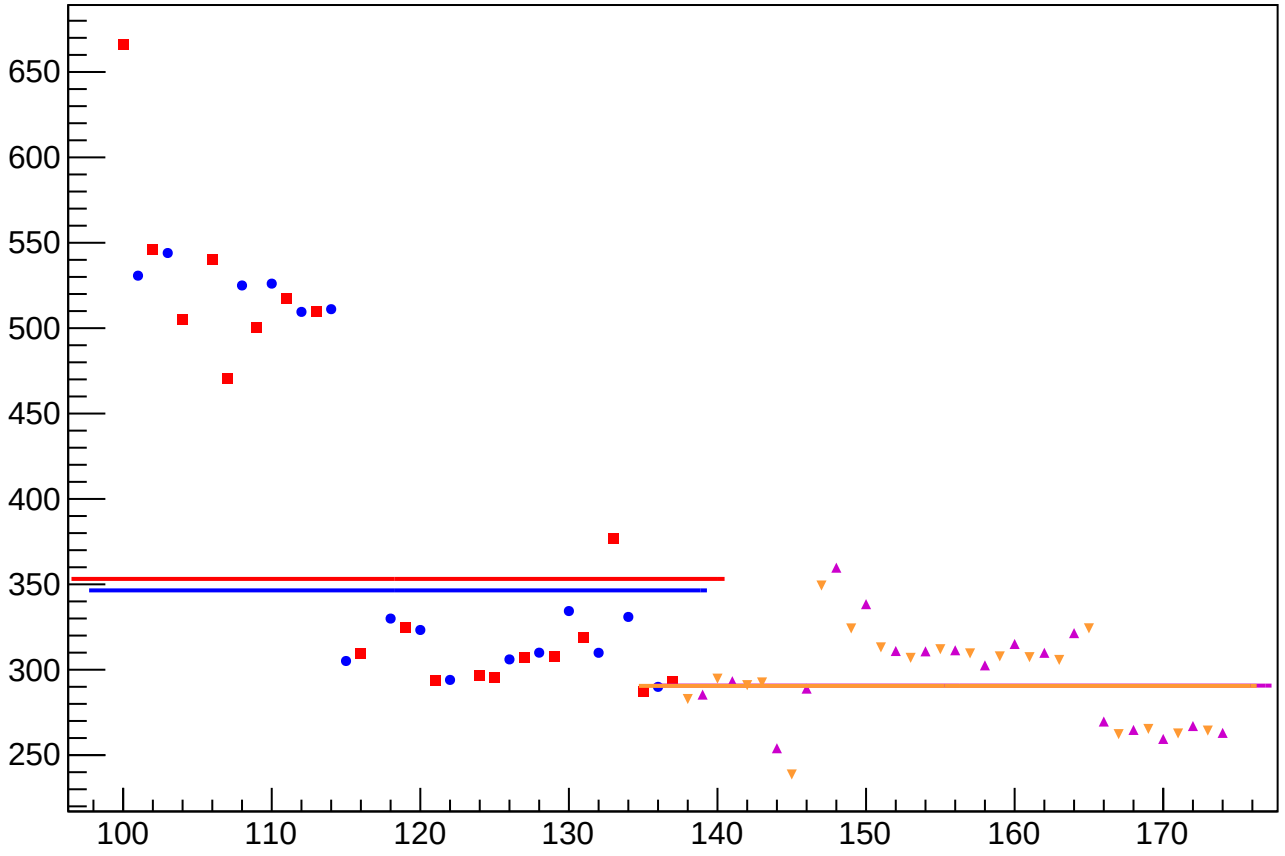
Left In: 217.784+/-75.964 χ^2/NDF:16.6/17

+ sign -104.316+/-65.486 χ^2/NDF: 50.4/34

All: 16.607+/-46.499 χ^2/NDF: 99.6/71

- 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: 290.541+/-0.053 χ^2/NDF:264420.9/18

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

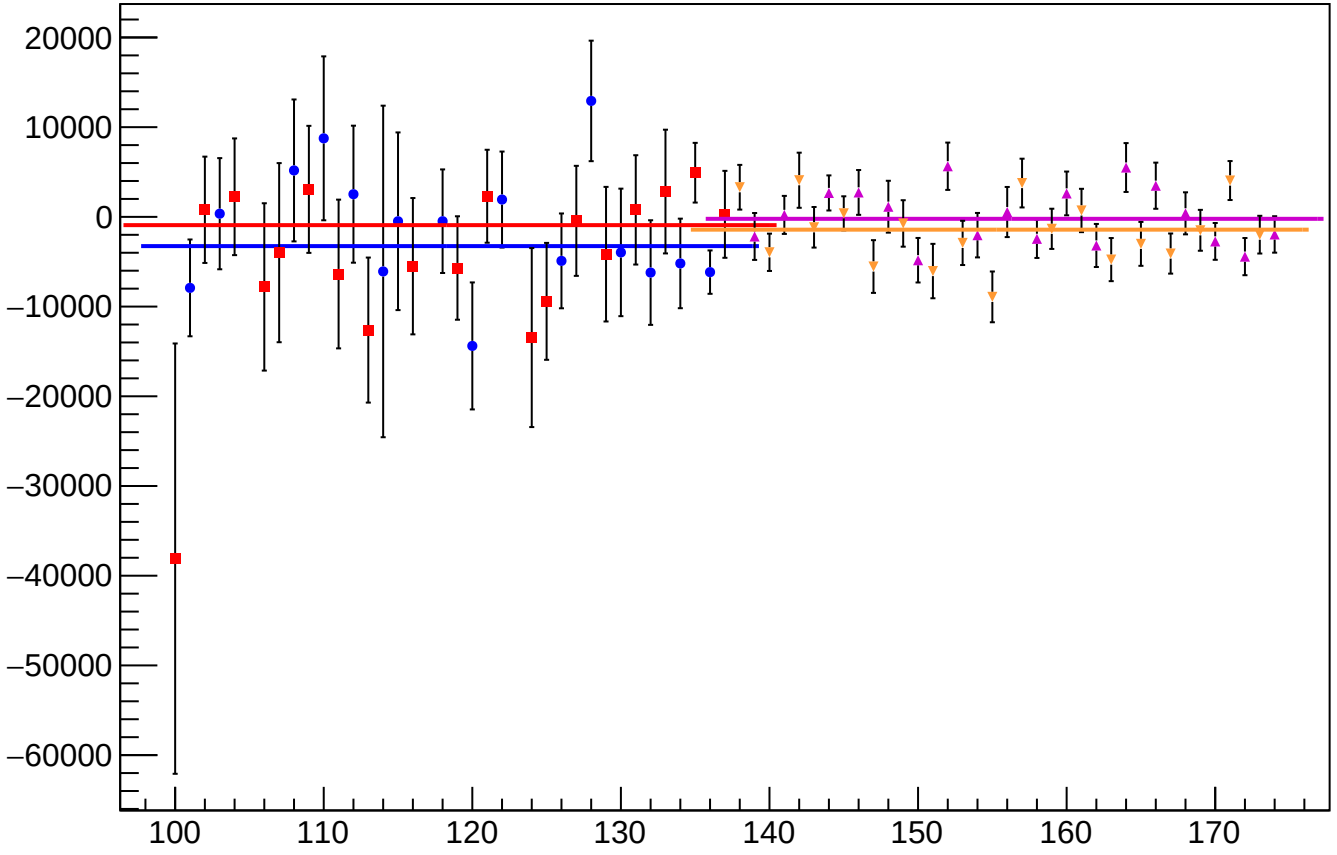
Left In: 290.699+/-0.054 χ^2/NDF:265627.1/17

+ sign 304.191+/-0.046 χ^2/NDF: 1302242.7/34

All: 305.069+/-0.033 χ^2/NDF: 2765473.1/71

- sign 305.962+/-0.047 χ^2/NDF: 1462504.7/36

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1425.634+/-549.615 χ^2/NDF:35.6/18

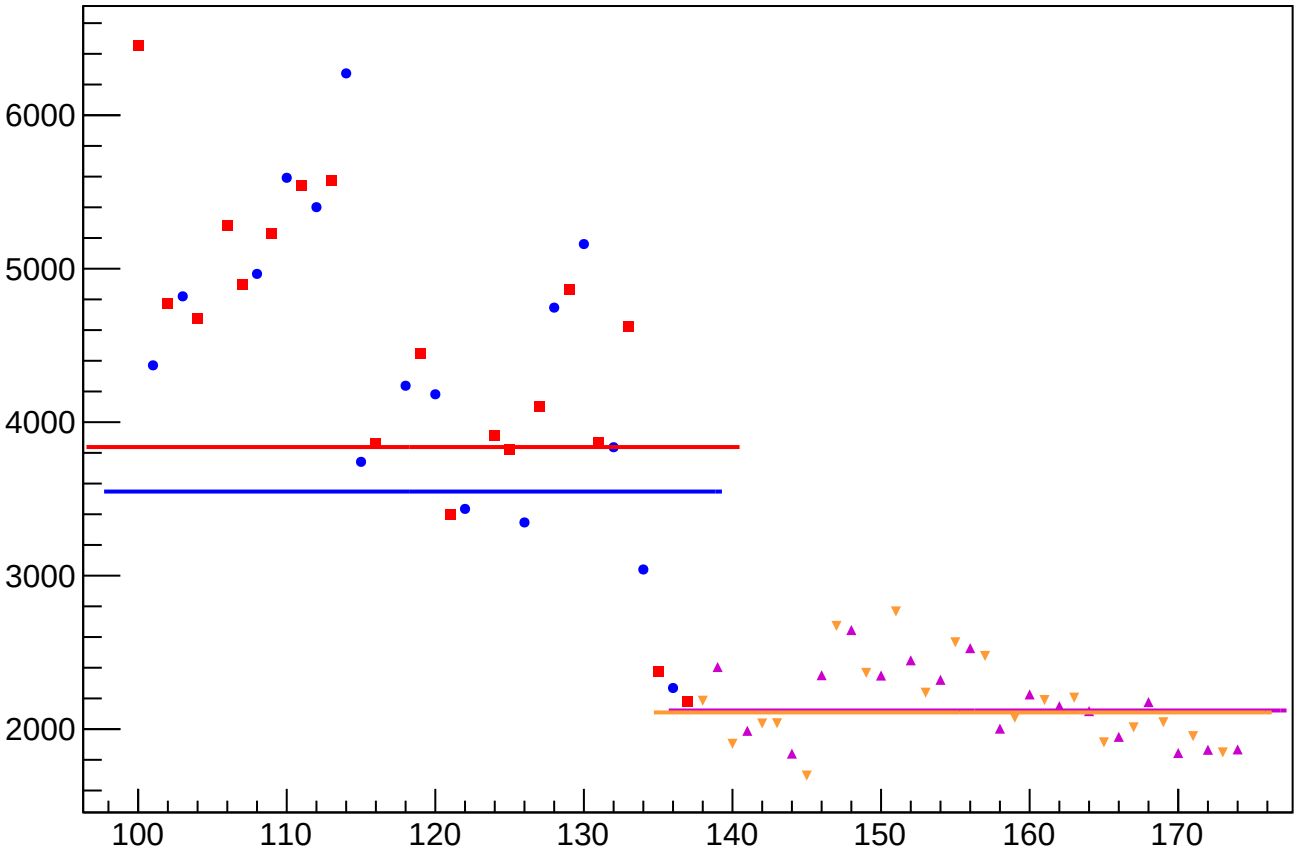
Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -216.904+/-554.775 χ^2/NDF:30.3/17

+ sign -1675.313+/-510.817 χ^2/NDF: 53.1/34

All: -1000.894+/-363.933 χ^2/NDF: 101.8/71

- 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: 2108.749+/-0.389 χ^2/NDF:464650.9/18

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

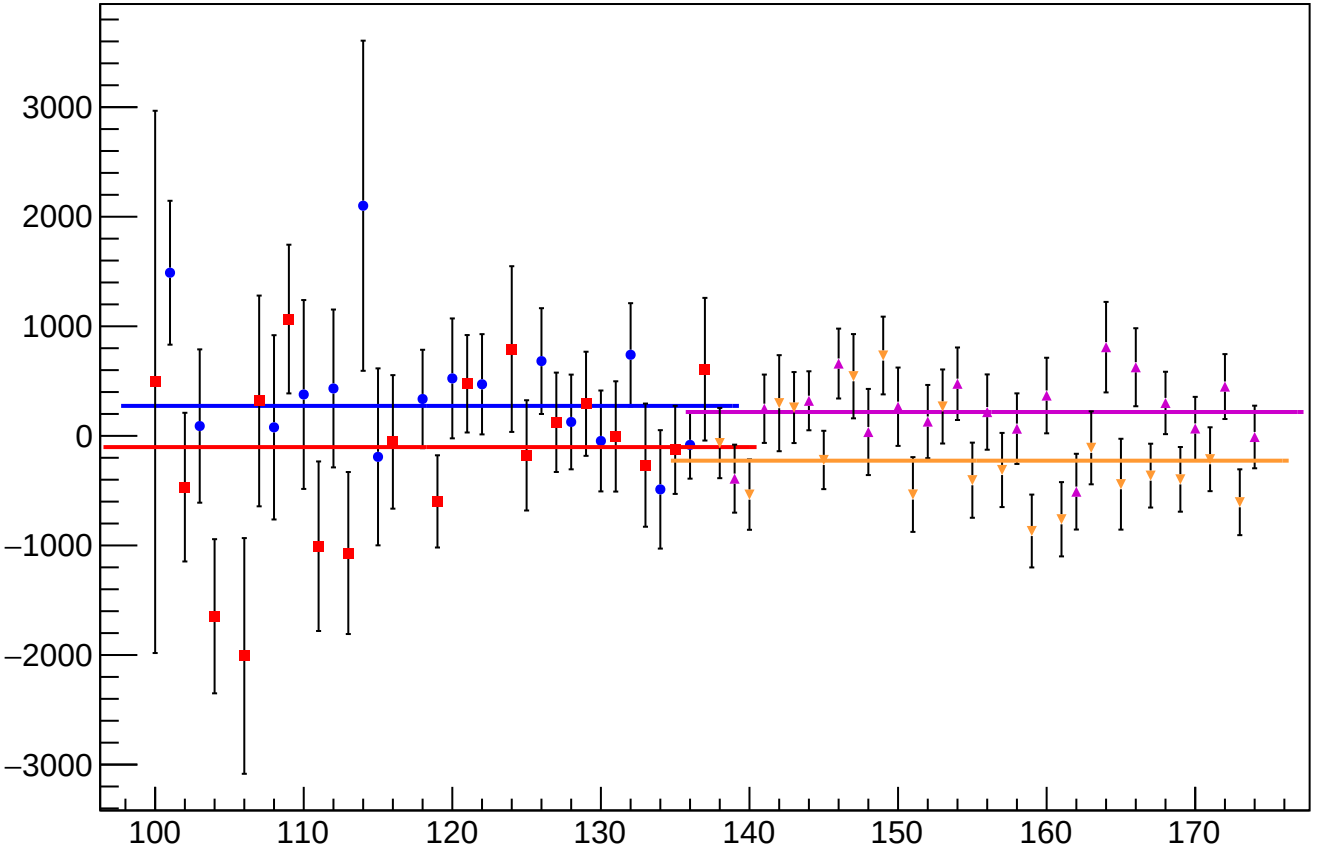
Left In: 2121.444+/-0.392 χ^2/NDF:376379.5/17

+ sign 2304.768+/-0.361 χ^2/NDF: 3590974.7/34

All: 2321.048+/-0.257 χ^2/NDF: 7540960.2/71

- sign 2337.829+/-0.367 χ^2/NDF: 3945860.2/36

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -226.371+/-75.322 χ^2/NDF:28.2/18

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

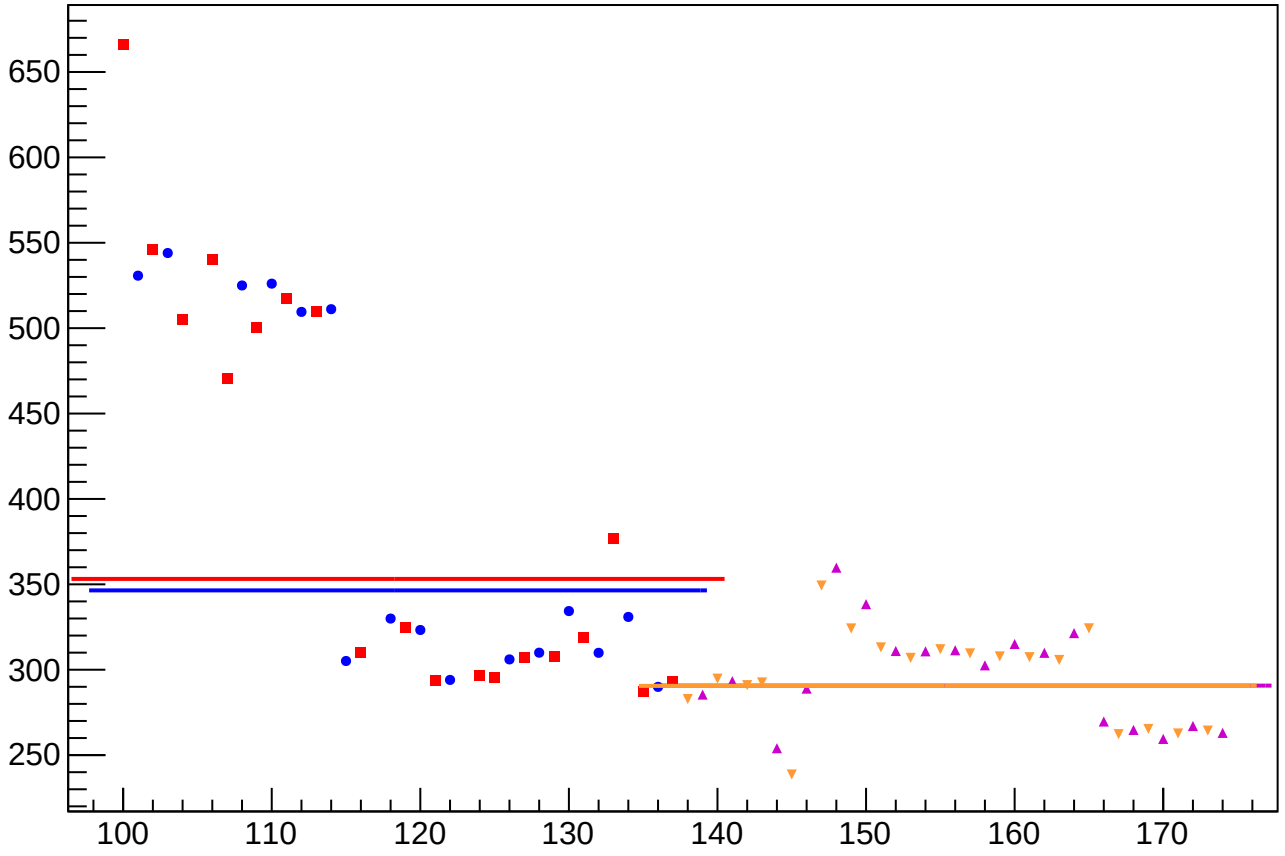
Left In: 217.787+/-75.964 χ^2/NDF:16.6/17

+ sign -104.318+/-65.486 χ^2/NDF: 50.4/34

All: 16.607+/-46.499 χ^2/NDF: 99.6/71

- 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: 290.541+/-0.053 χ^2/NDF:264426.4/18

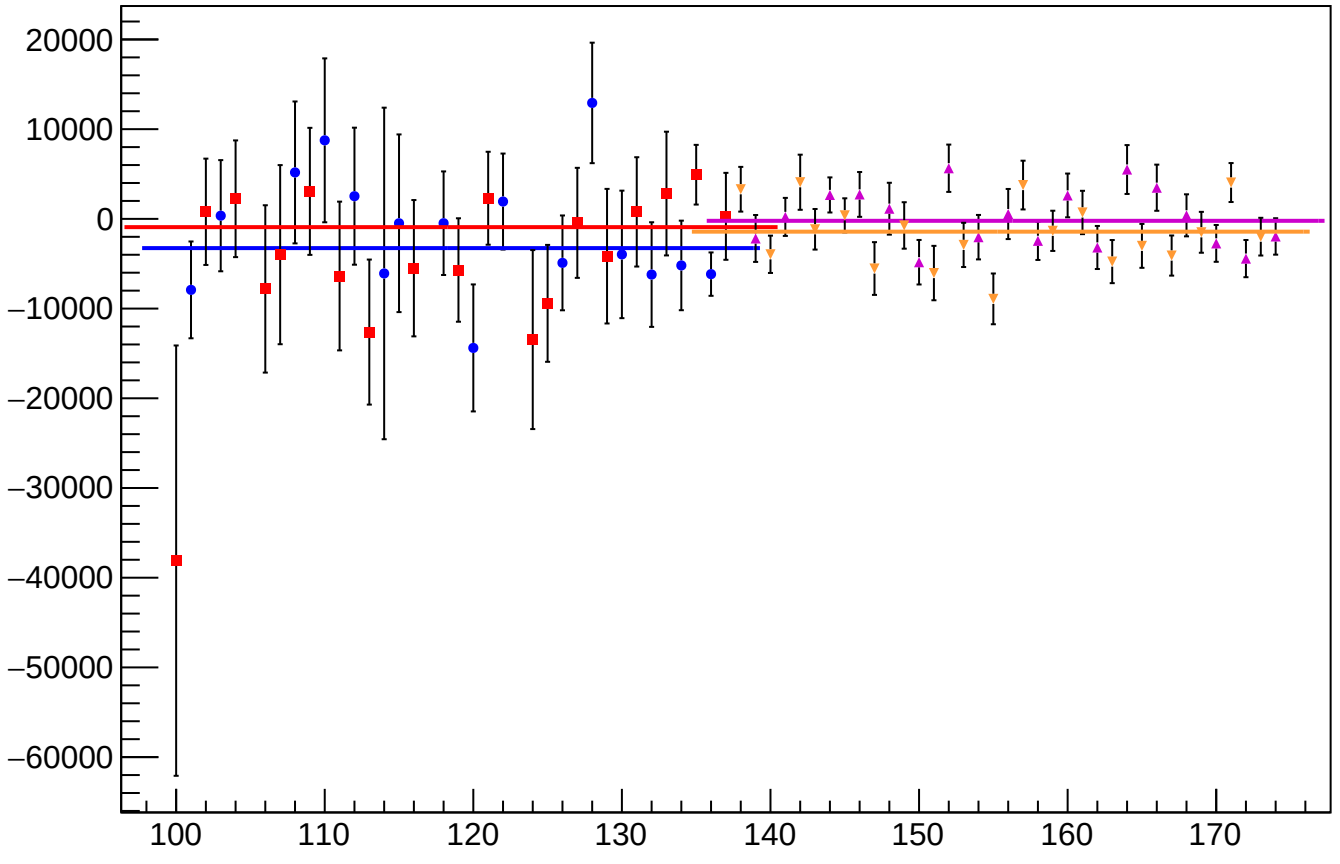
Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 290.699+/-0.054 χ^2/NDF:265629.5/17

+ sign 304.191+/-0.046 χ^2/NDF: 1302222.3/34

All: 305.069+/-0.033 χ^2/NDF: 2765433.2/71

- sign 305.962+/-0.047 χ^2/NDF: 1462485.1/36



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1425.635+/-549.615 χ^2/NDF:35.6/18

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

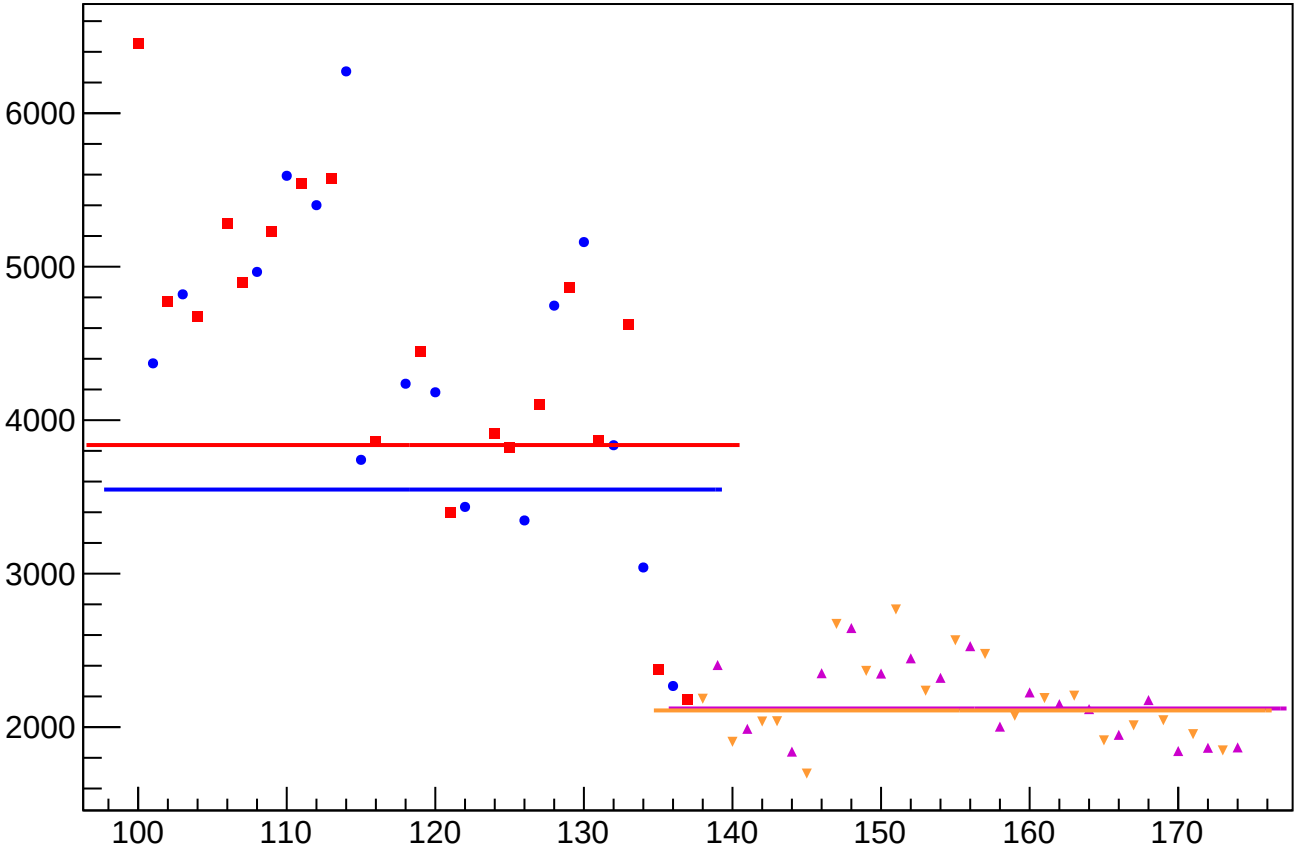
Left In: -216.904+/-554.775 χ^2/NDF:30.3/17

+ sign -1675.313+/-510.817 χ^2/NDF: 53.1/34

All: -1000.895+/-363.933 χ^2/NDF: 101.8/71

- 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: 2108.749+/-0.389 χ^2/NDF:464655.6/18

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

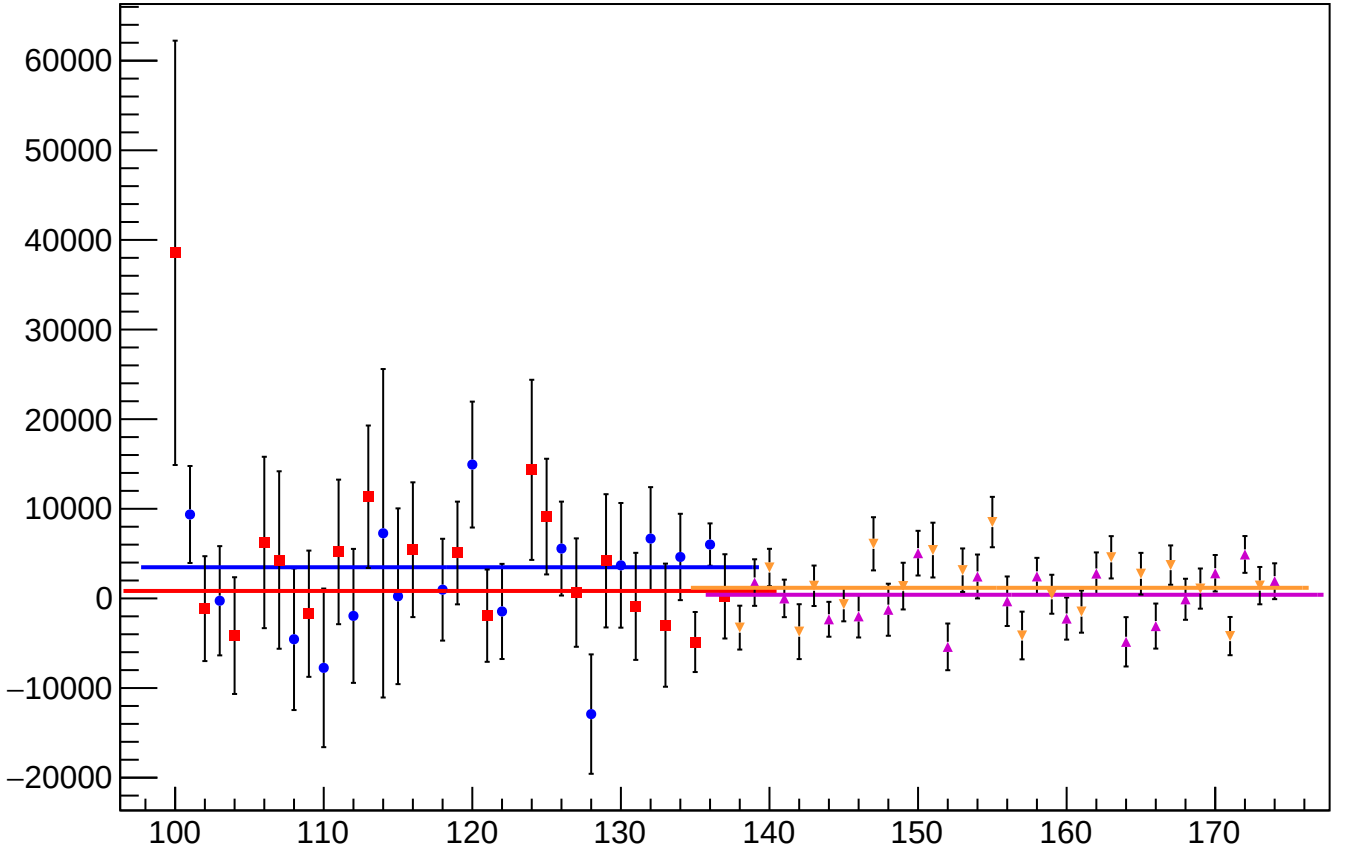
Left In: 2121.444+/-0.392 χ^2/NDF:376380.3/17

+ sign 2304.768+/-0.361 χ^2/NDF: 3590962.6/34

All: 2321.048+/-0.257 χ^2/NDF: 7540932.4/71

- 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: 1183.505+/-542.978 χ^2/NDF:35.7/18

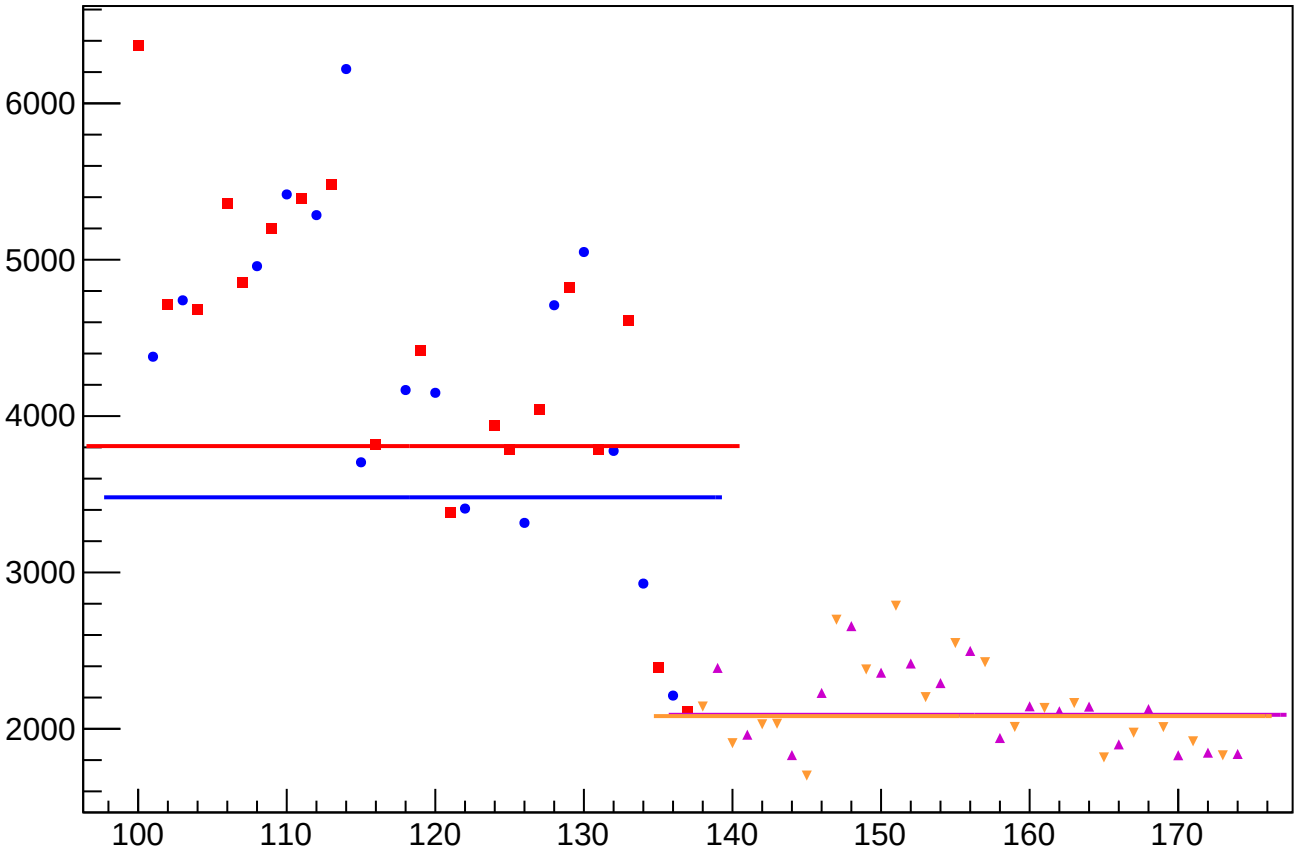
Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 407.006+/-546.527 χ^2/NDF:28.5/17

+ sign 1498.871+/-504.291 χ^2/NDF: 54.5/34

All: 986.681+/-359.072 χ^2/NDF: 99.2/71

- sign 459.968+/-511.391 χ^2/NDF: 42.6/36



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2081.367+/-0.384 χ^2/NDF:487331.8/18

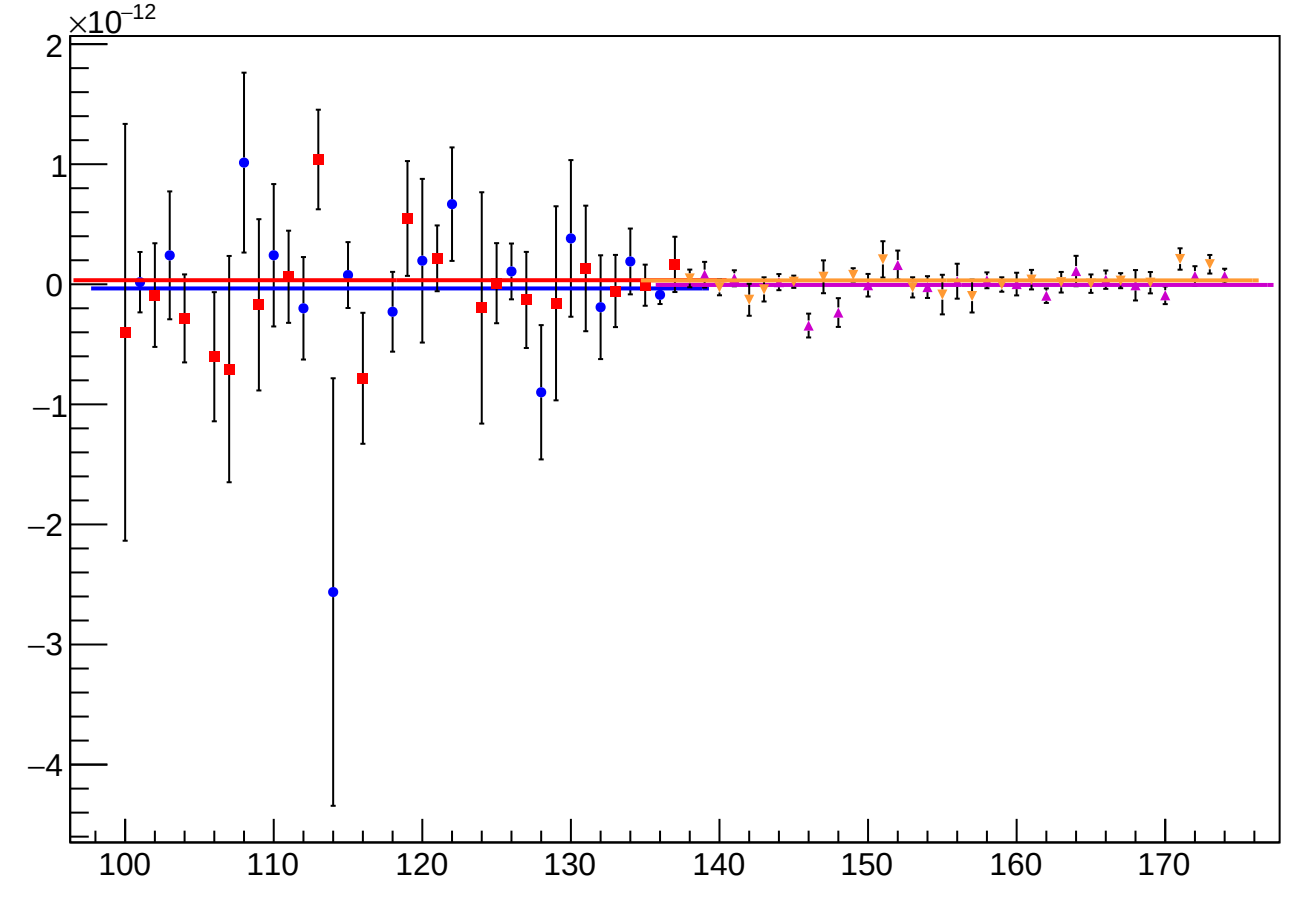
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2089.647+/-0.386 χ^2/NDF:380465.1/17

+ sign 2273.647+/-0.357 χ^2/NDF: 3609036.8/34

All: 2288.369+/-0.254 χ^2/NDF: 7601392.1/71

- sign 2303.508+/-0.362 χ^2/NDF: 3988898.0/36



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/18

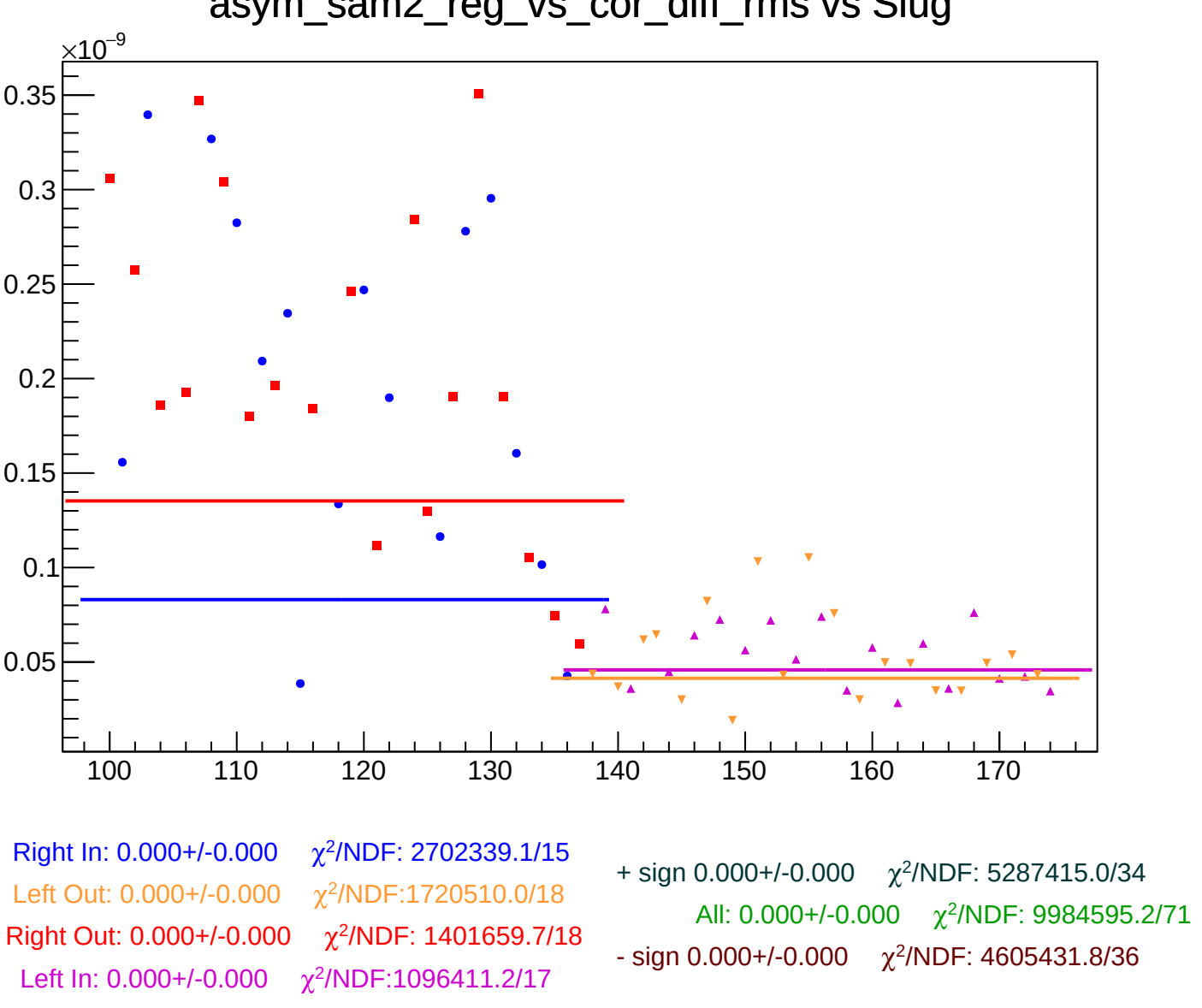
Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/18

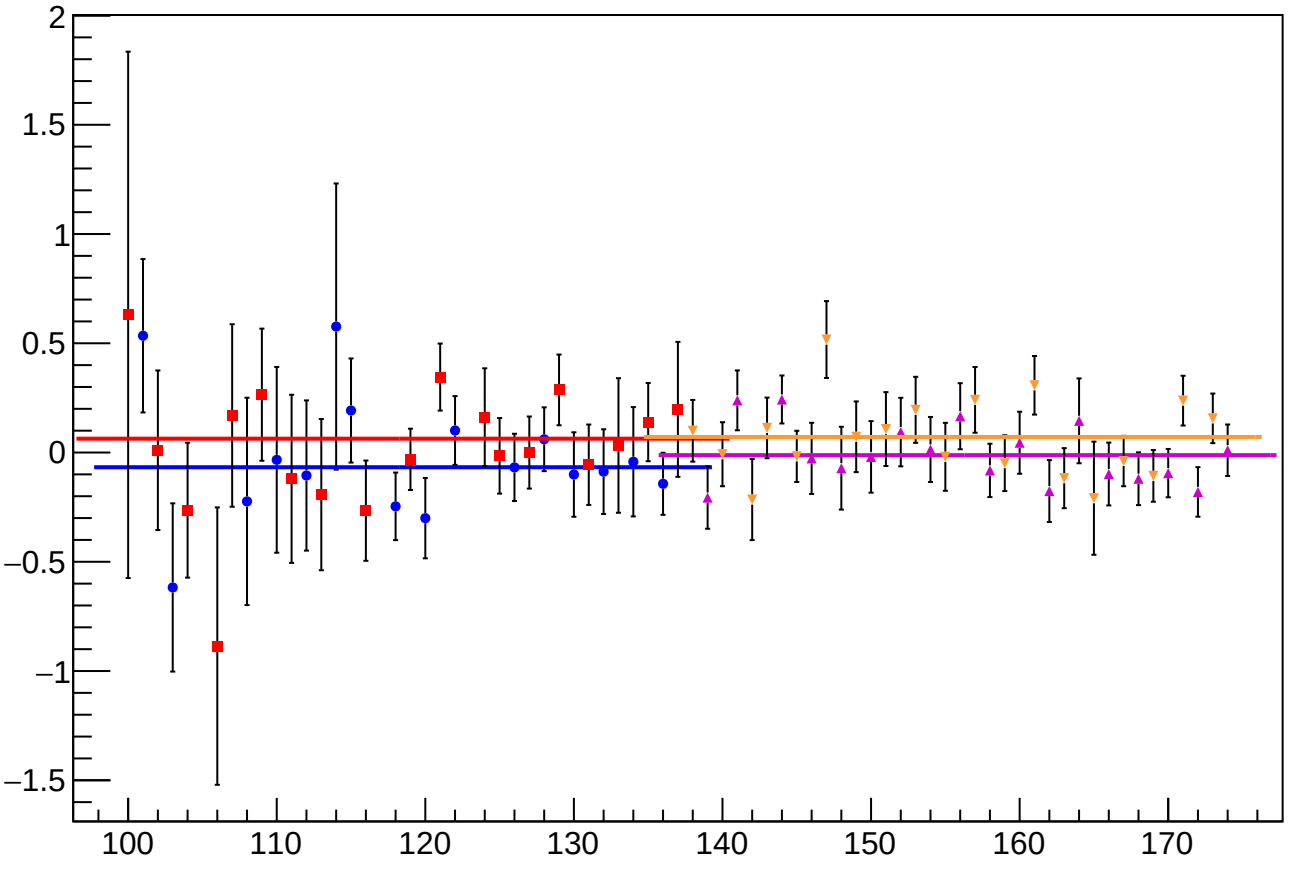
Left In: -0.000+/-0.000 χ^2/NDF:26.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 27.5/34

All: 0.000+/-0.000 χ^2/NDF: 68.6/71

- sign -0.000+/-0.000 χ^2/NDF: 39.8/36


asym_sam2_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2702339.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1720510.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 1401659.7/18
Left In: 0.000+/-0.000 χ²/NDF:1096411.2/17
+ sign 0.000+/-0.000 χ²/NDF: 5287415.0/34
All: 0.000+/-0.000 χ²/NDF: 9984595.2/71
- sign 0.000+/-0.000 χ²/NDF: 4605431.8/36



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.071+/-0.032 χ^2/NDF:25.1/18

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

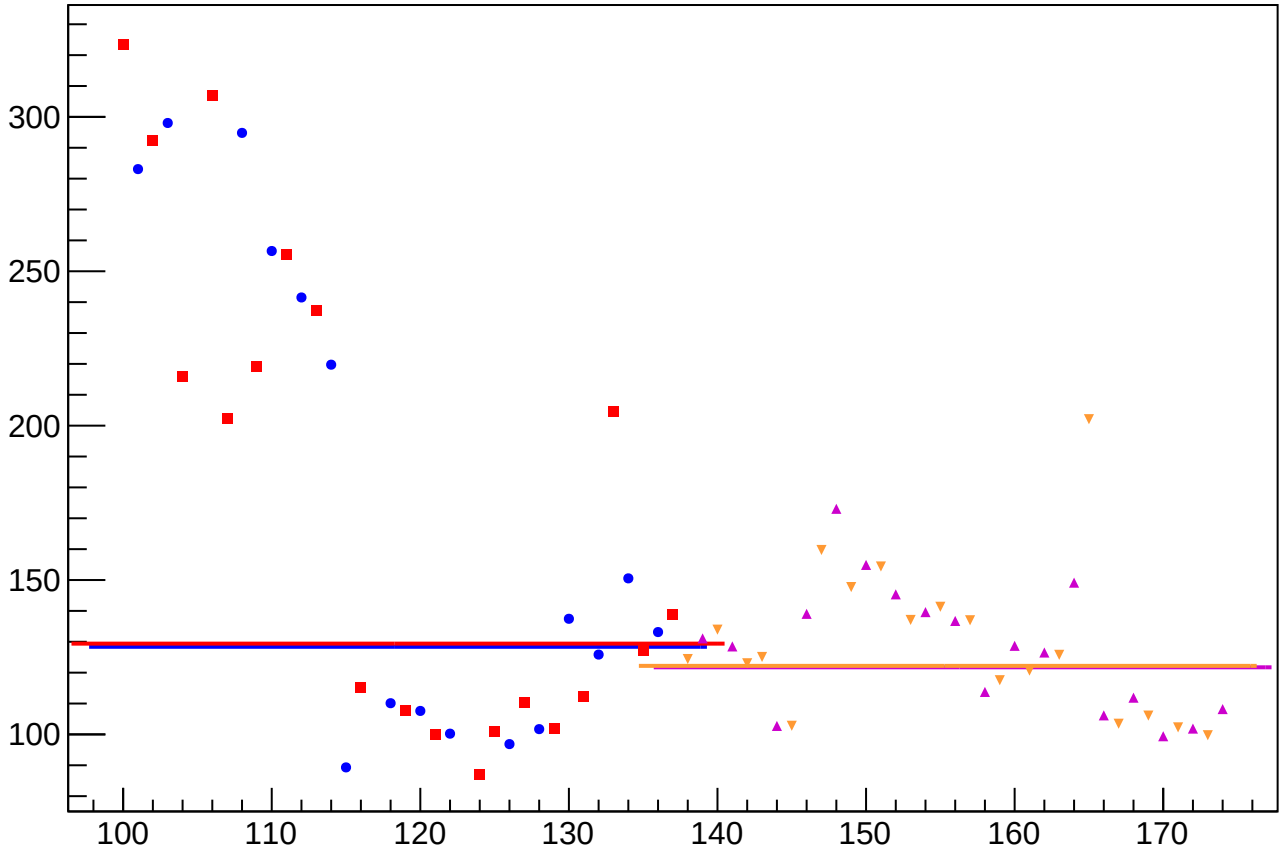
Left In: -0.012+/-0.032 χ^2/NDF:19.0/17

+ sign 0.033+/-0.027 χ^2/NDF: 42.7/34

All: 0.021+/-0.019 χ^2/NDF: 77.6/71

- 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: 122.200+/-0.023 χ^2/NDF:775531.1/18

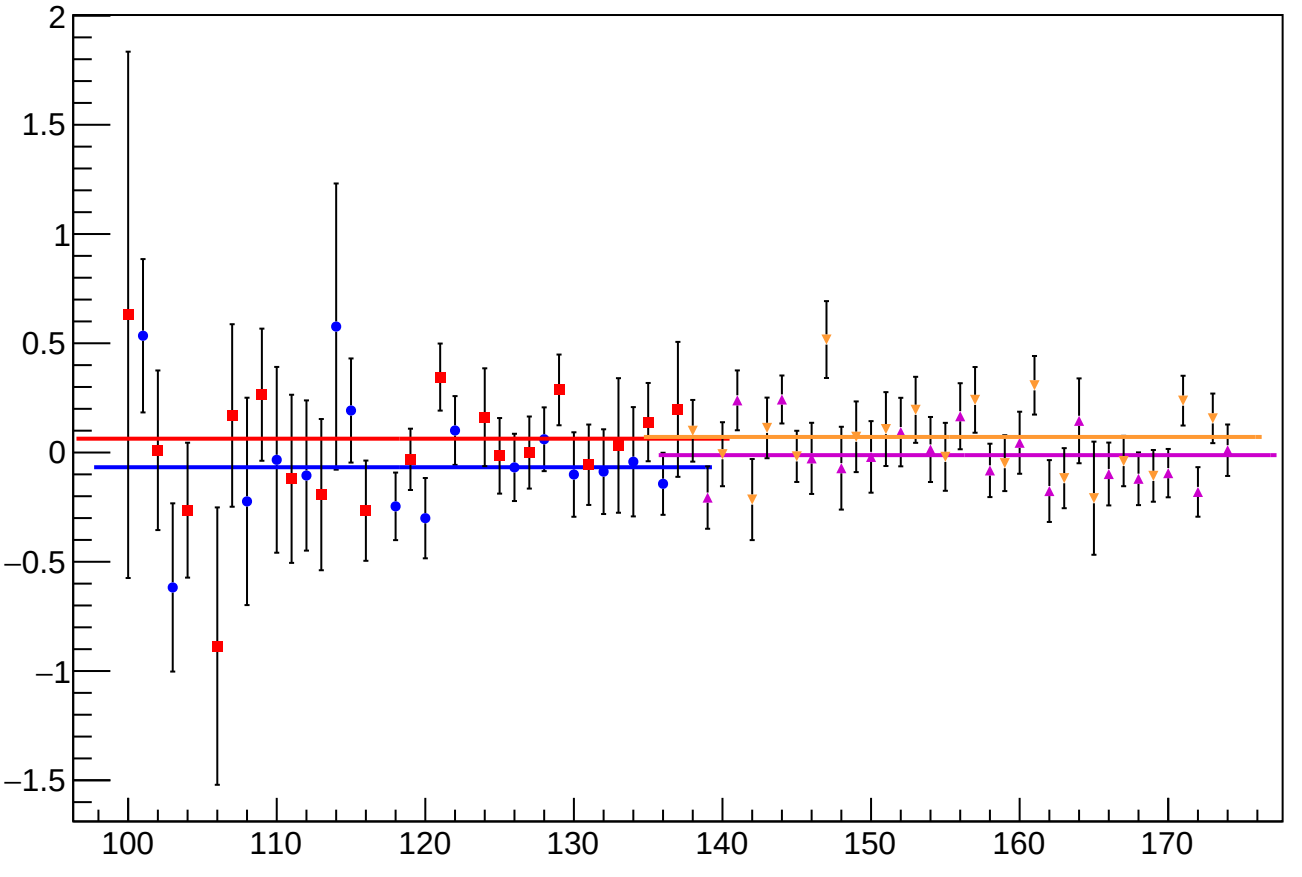
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.730+/-0.023 χ^2/NDF:679916.6/17

+ sign 123.915+/-0.019 χ^2/NDF: 2601201.8/34

All: 123.901+/-0.014 χ^2/NDF: 5201119.3/71

- 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: 0.071+/-0.032 χ^2/NDF:25.1/18

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

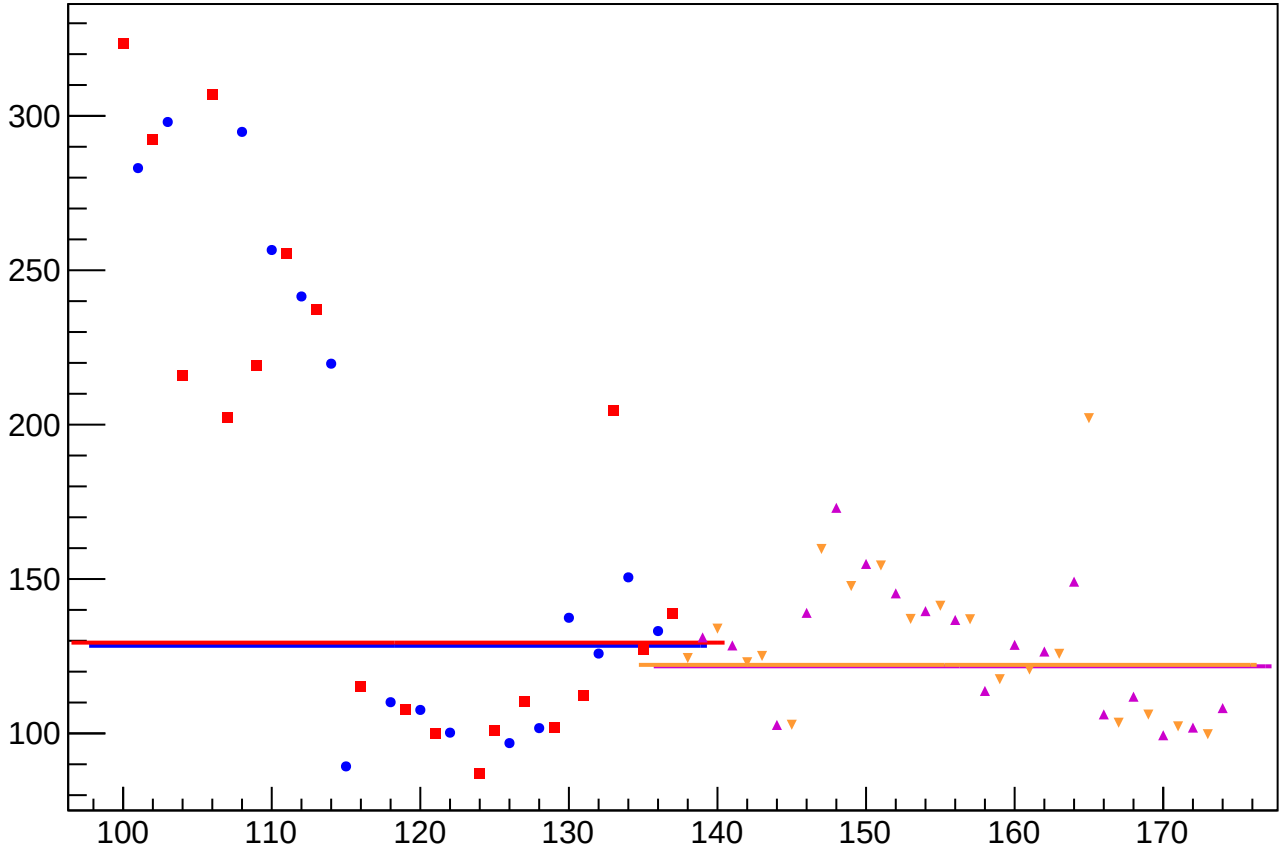
Left In: -0.012+/-0.032 χ^2/NDF:19.0/17

+ sign 0.033+/-0.027 χ^2/NDF: 42.7/34

All: 0.021+/-0.019 χ^2/NDF: 77.6/71

- 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: 122.200+/-0.023 χ^2/NDF:775531.1/18

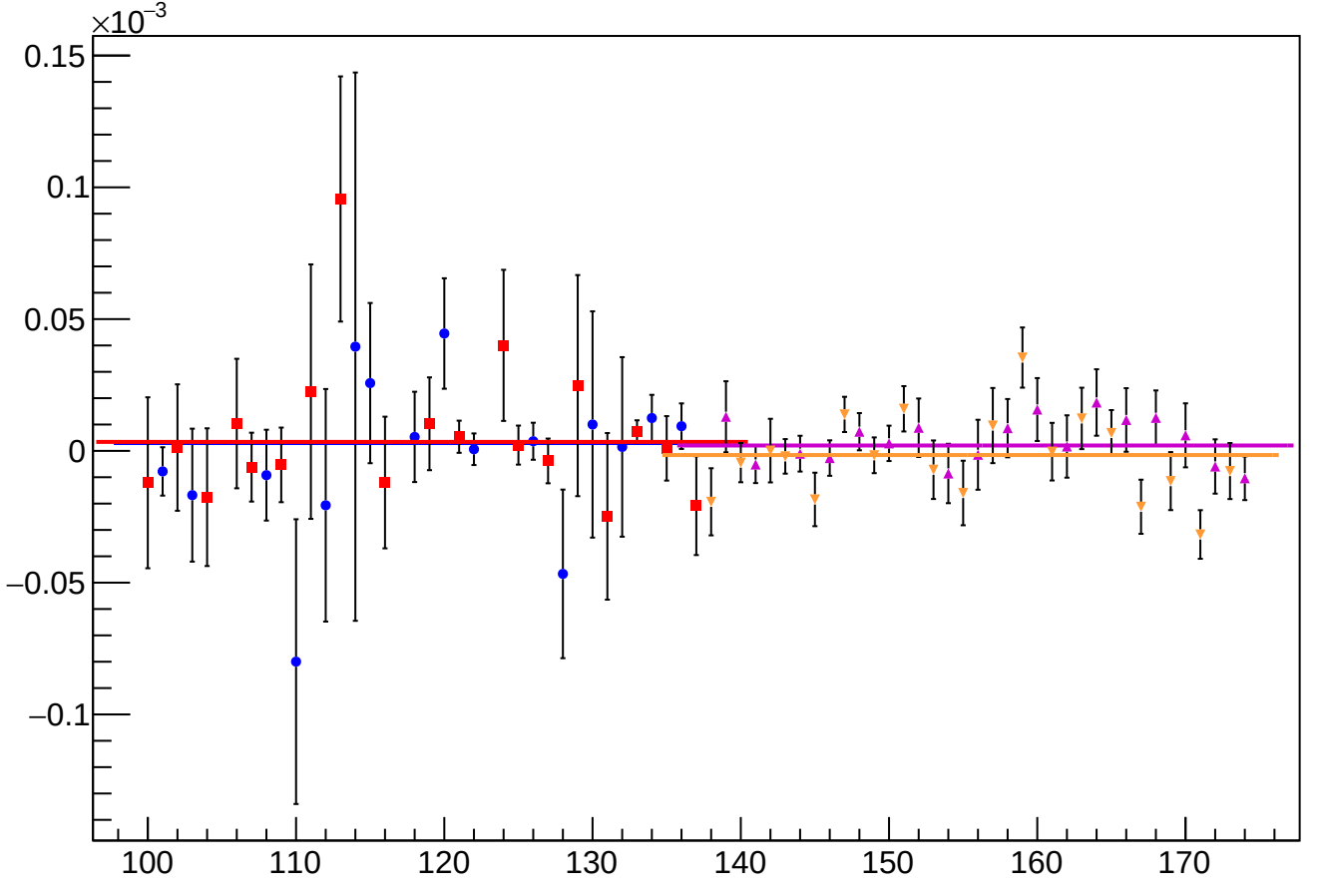
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.730+/-0.023 χ^2/NDF:679916.6/17

+ sign 123.915+/-0.019 χ^2/NDF: 2601201.8/34

All: 123.901+/-0.014 χ^2/NDF: 5201119.3/71

- 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:44.9/18

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

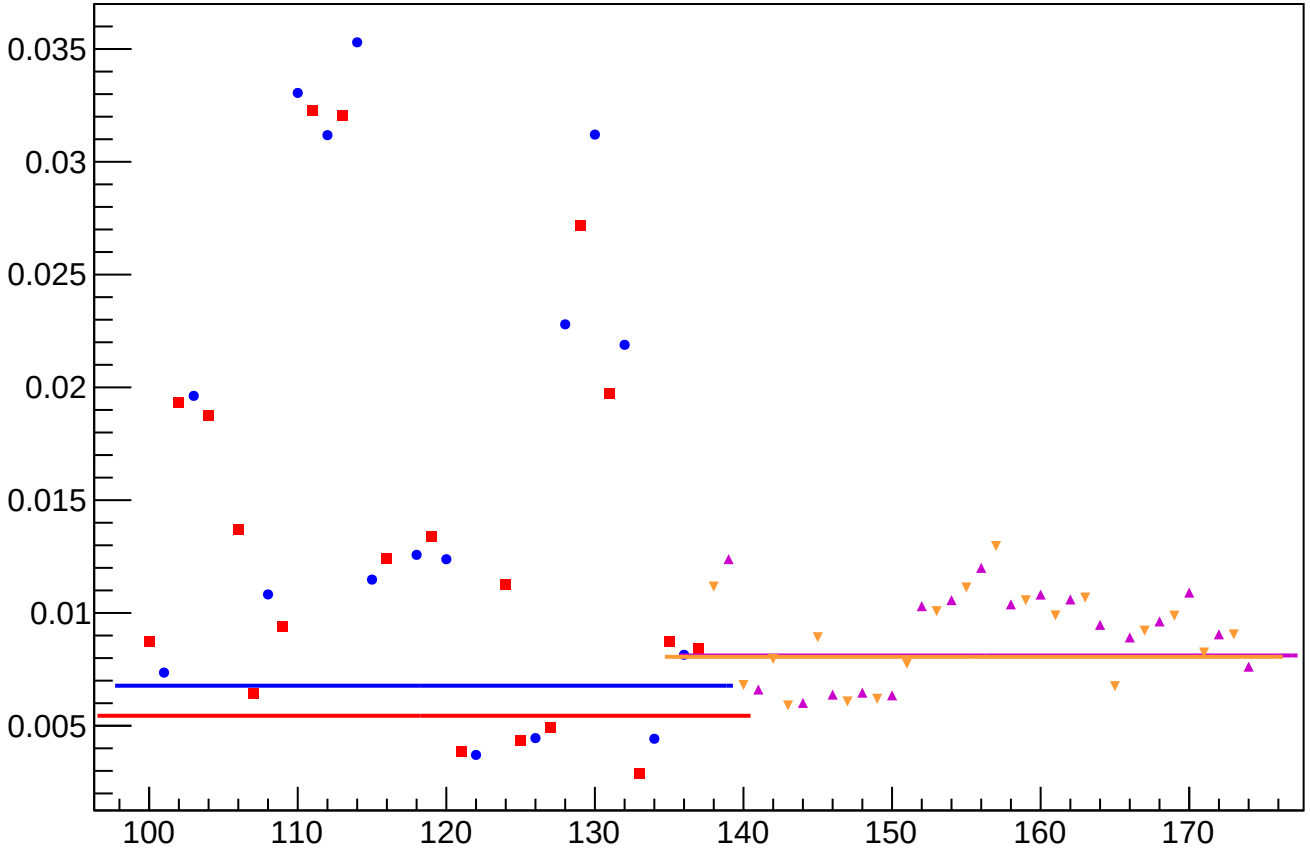
Left In: 0.000+/-0.000 χ^2/NDF:12.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 60.4/34

All: 0.000+/-0.000 χ^2/NDF: 86.7/71

- 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:1563273.6/18

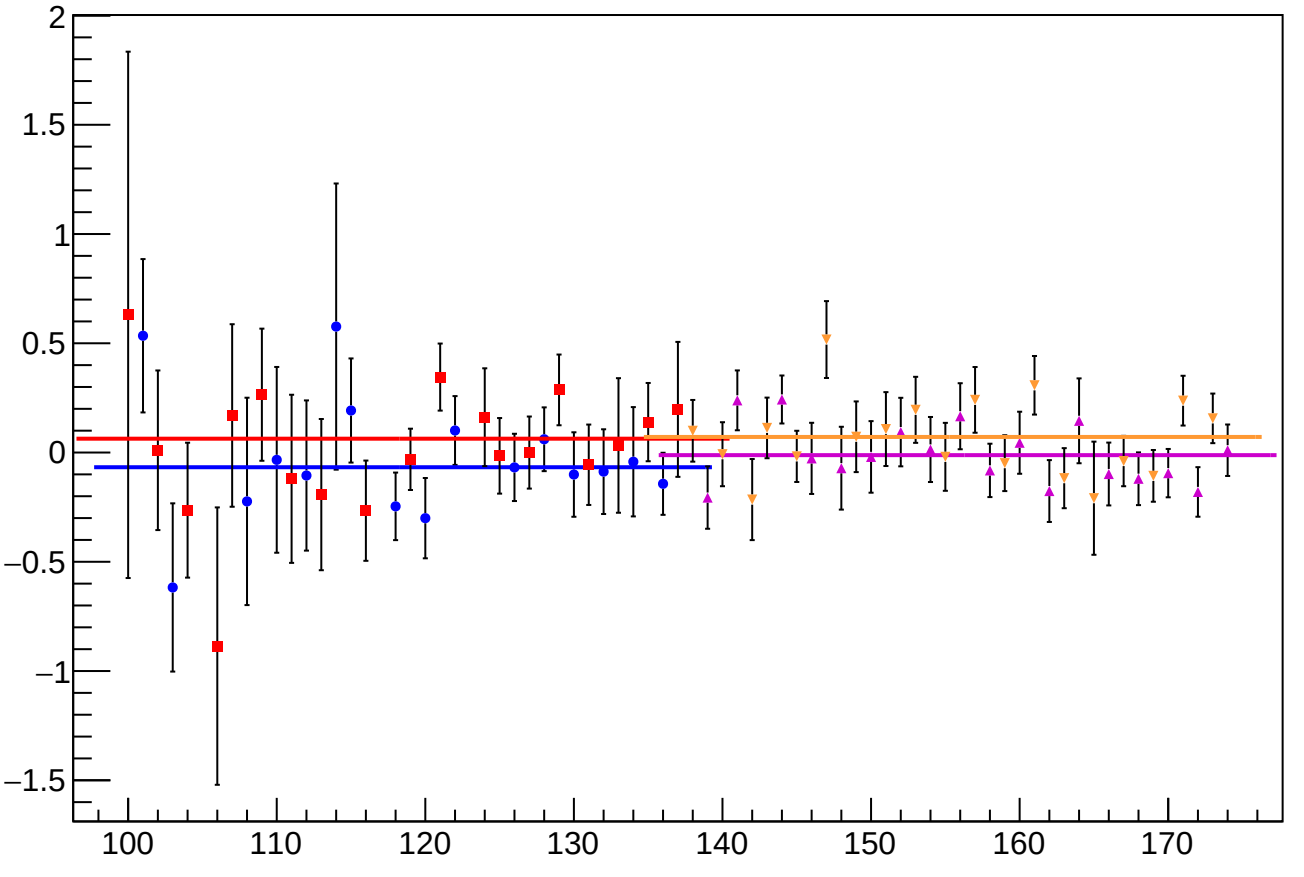
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1686368.2/17

+ sign 0.008+/-0.000 χ^2/NDF: 6561949.0/34

All: 0.007+/-0.000 χ^2/NDF: 15200486.2/71

- sign 0.007+/-0.000 χ^2/NDF: 8499738.8/36



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.071+/-0.032 χ^2/NDF:25.1/18

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

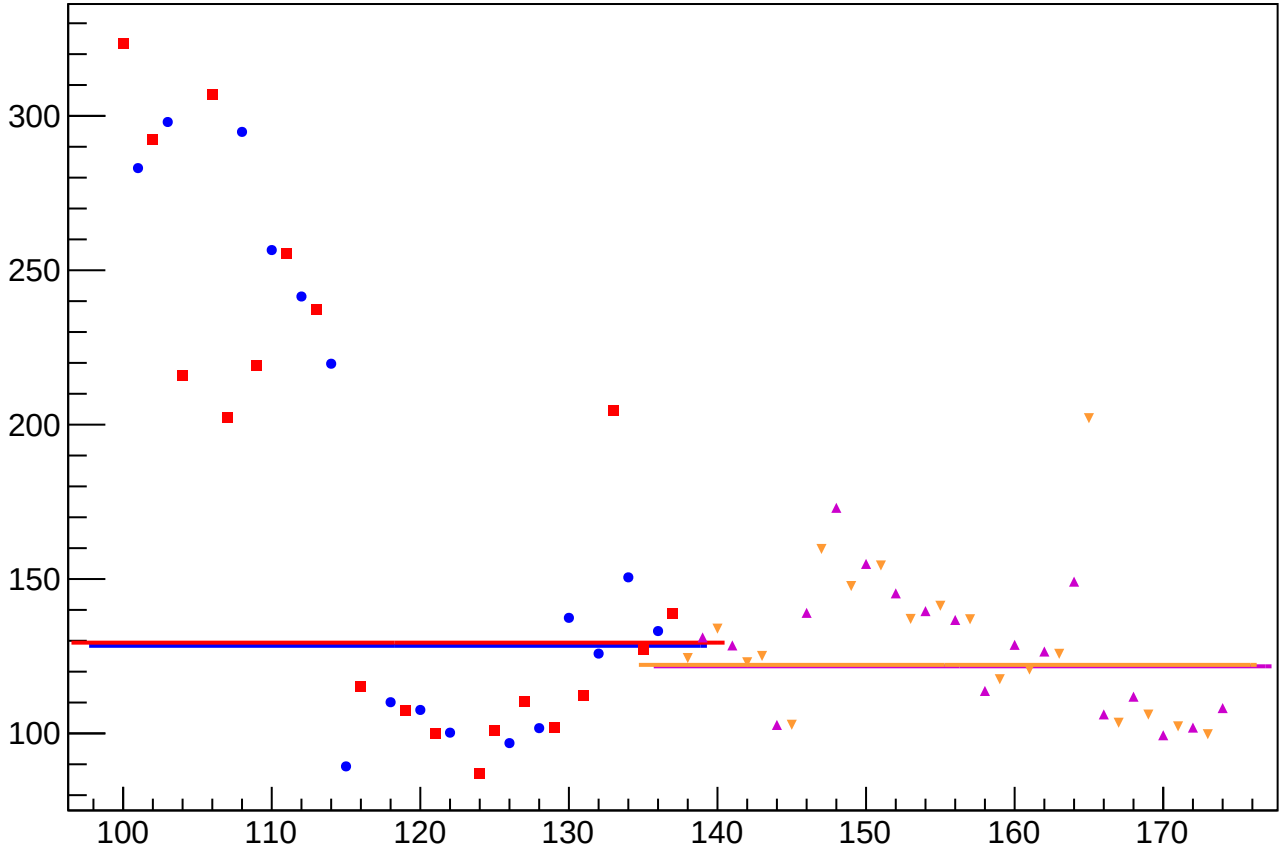
Left In: -0.012+/-0.032 χ^2/NDF:19.0/17

+ sign 0.033+/-0.027 χ^2/NDF: 42.7/34

All: 0.021+/-0.019 χ^2/NDF: 77.6/71

- 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: 122.200+/-0.023 χ^2/NDF:775576.8/18

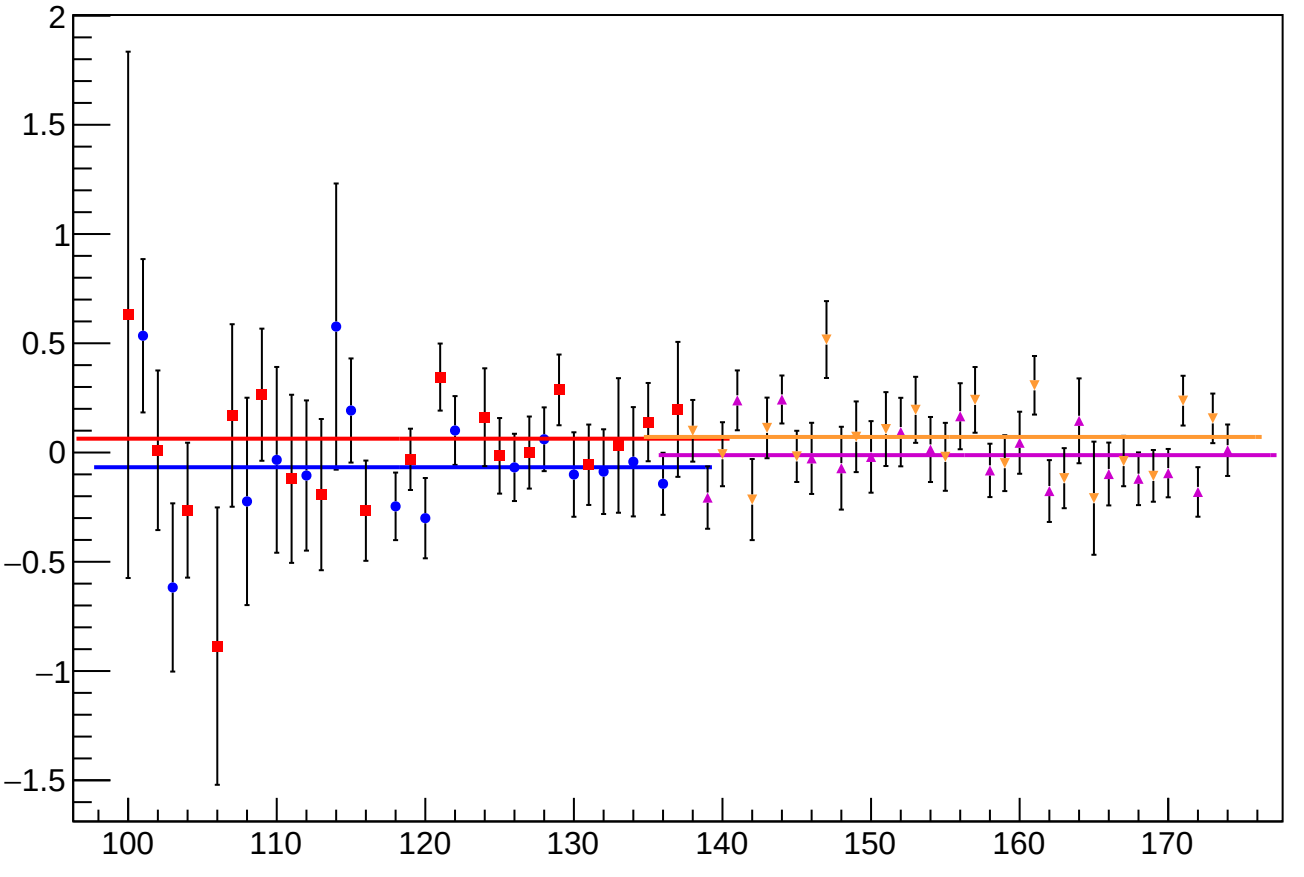
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.730+/-0.023 χ^2/NDF:679942.7/17

+ sign 123.914+/-0.019 χ^2/NDF: 2601178.2/34

All: 123.900+/-0.014 χ^2/NDF: 5201100.4/71

- 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: 0.071+/-0.032 χ^2/NDF:25.1/18

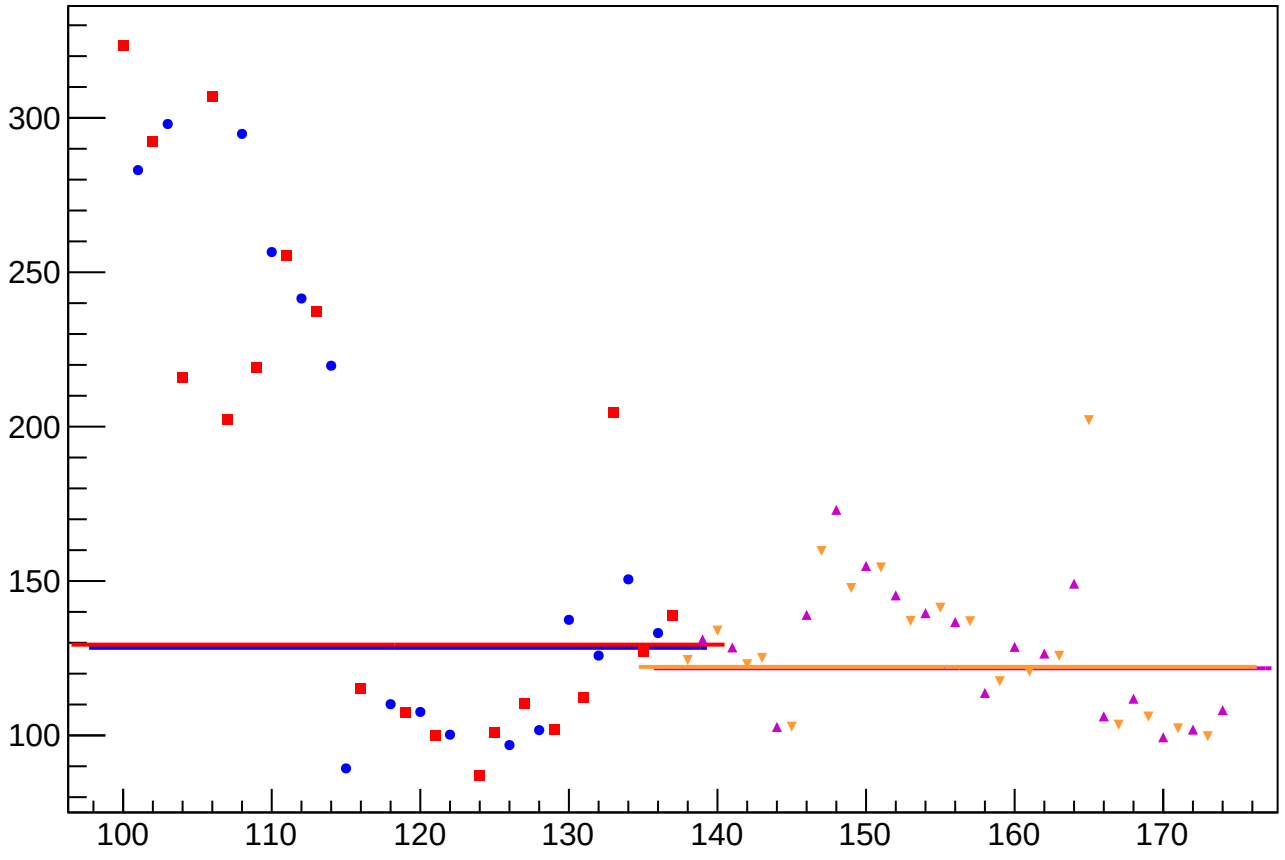
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.012+/-0.032 χ^2/NDF:19.0/17

+ sign 0.033+/-0.027 χ^2/NDF: 42.7/34

All: 0.021+/-0.019 χ^2/NDF: 77.6/71

- sign 0.009+/-0.027 χ^2/NDF: 34.6/36



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.200+/-0.023 χ^2/NDF:775576.8/18

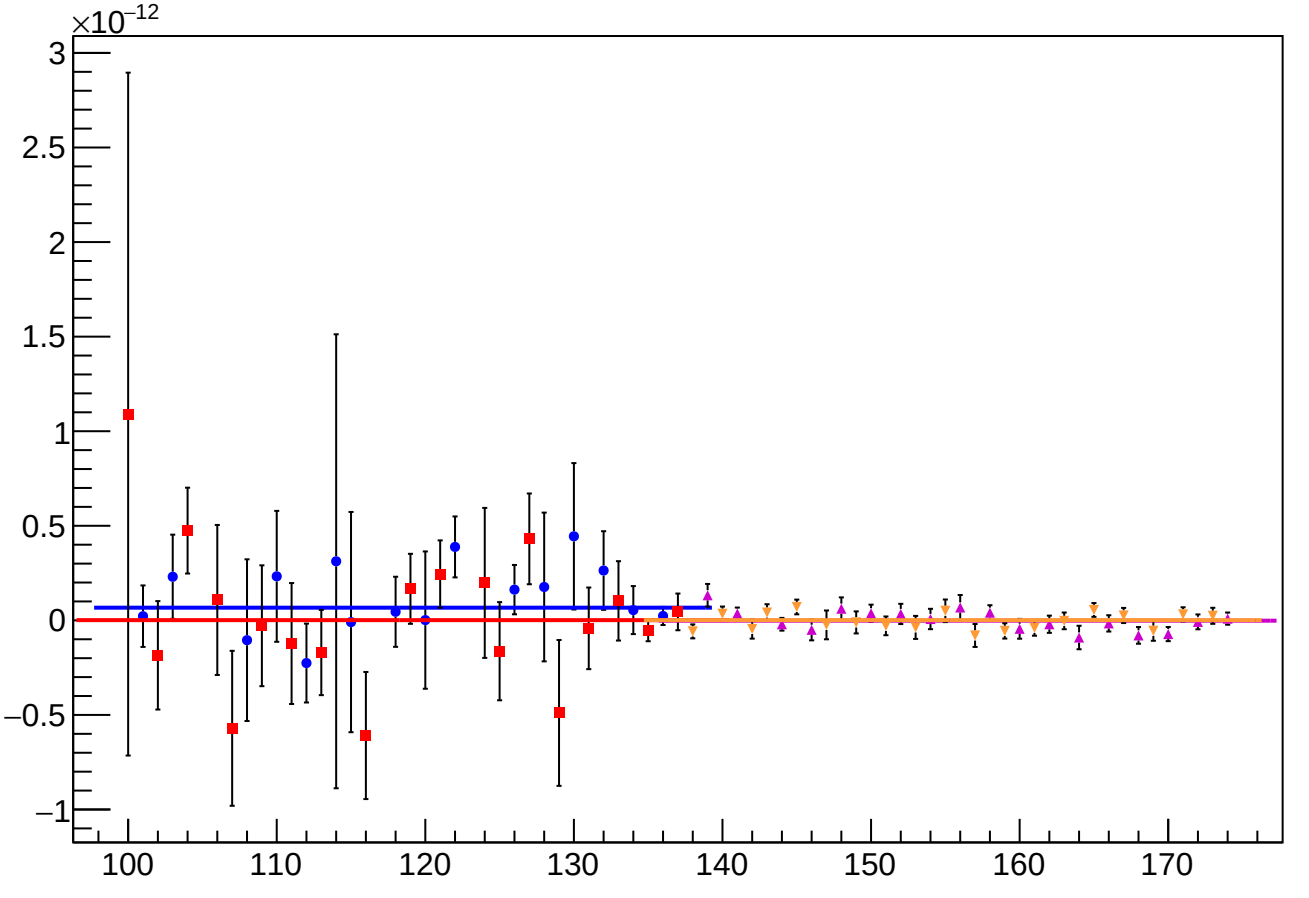
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.730+/-0.023 χ^2/NDF:679942.7/17

+ sign 123.914+/-0.019 χ^2/NDF: 2601178.2/34

All: 123.900+/-0.014 χ^2/NDF: 5201100.4/71

- 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:19.2/18

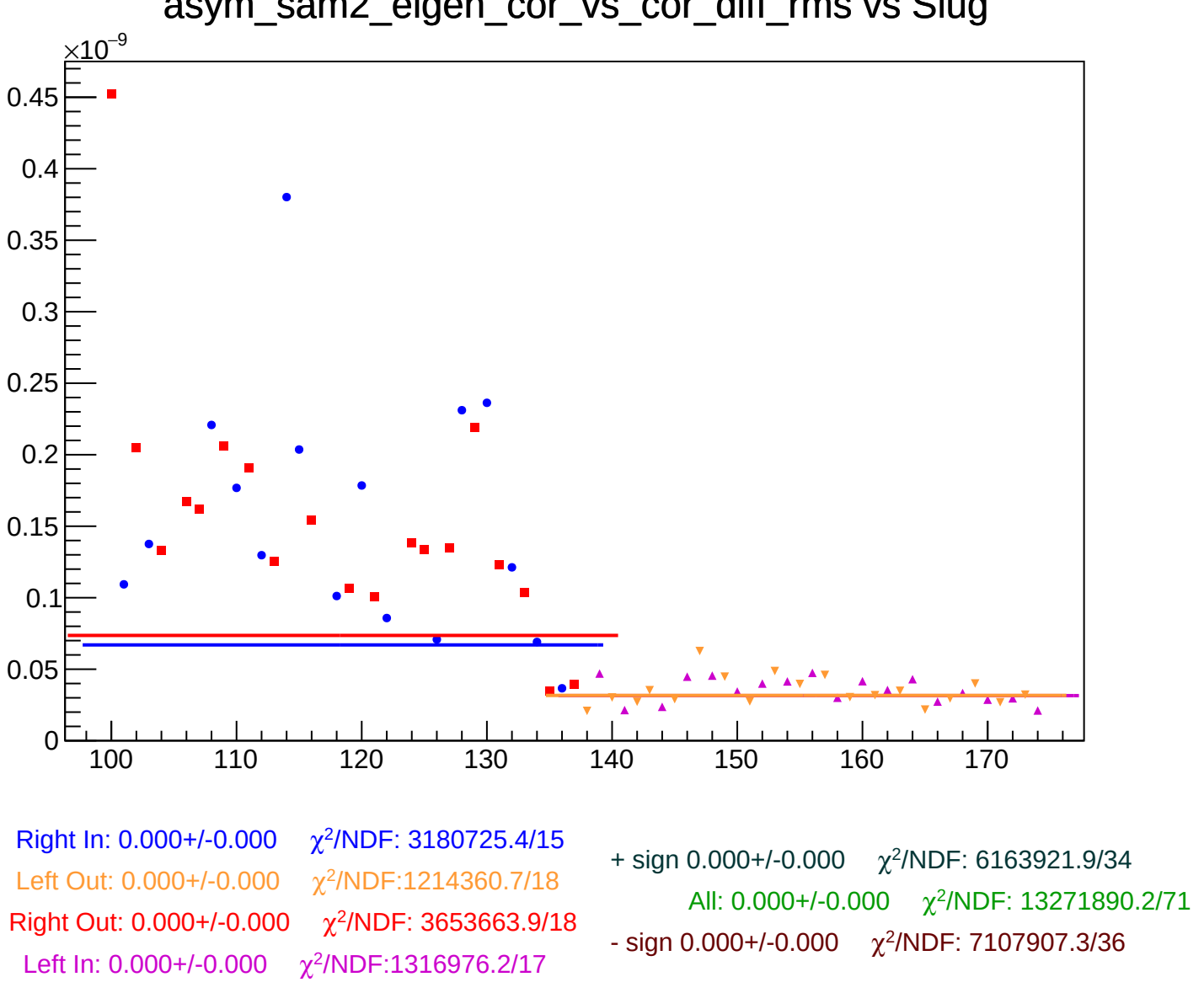
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/17

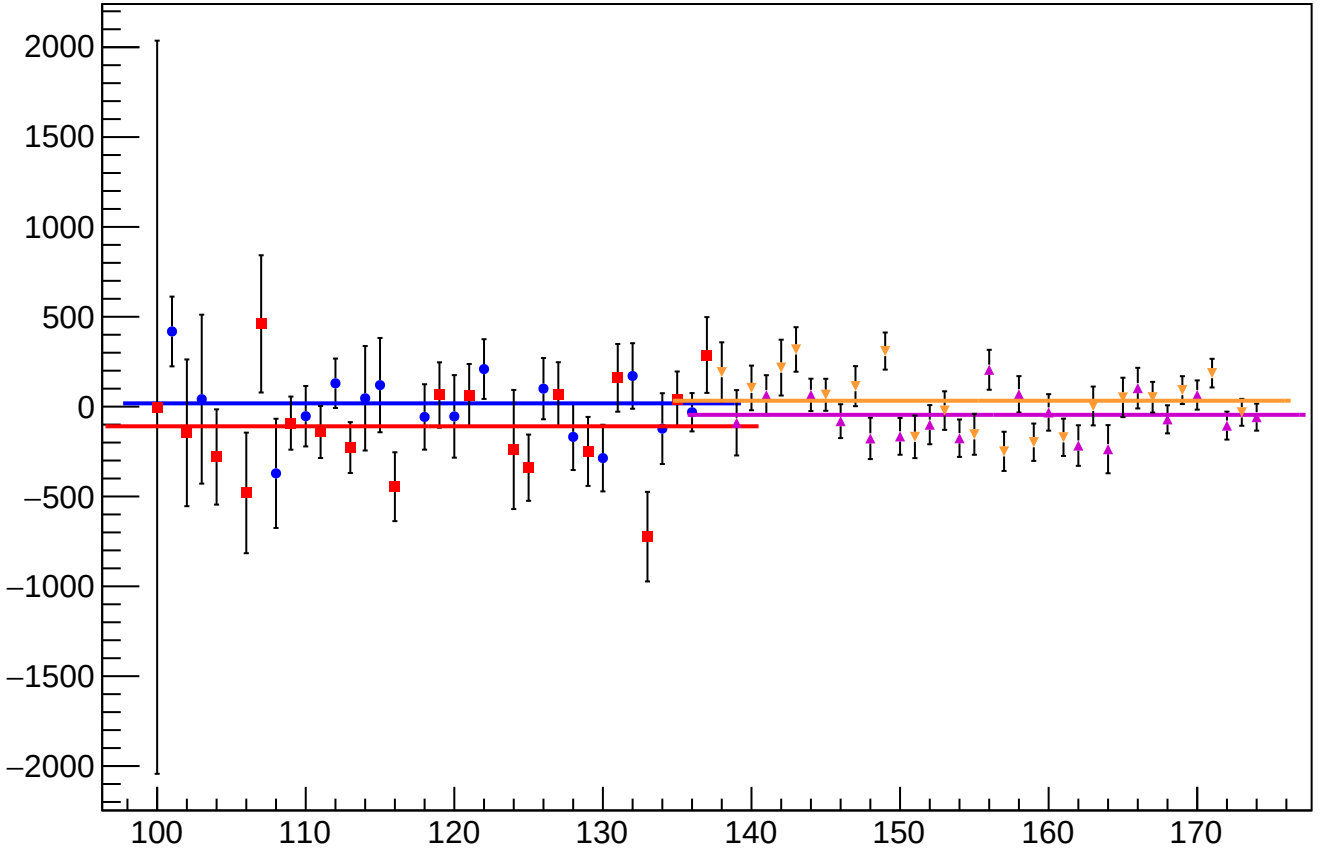
+ sign 0.000+/-0.000 χ^2/NDF: 32.6/34

All: 0.000+/-0.000 χ^2/NDF: 75.5/71

- sign -0.000+/-0.000 χ^2/NDF: 42.6/36


asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3180725.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1214360.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 3653663.9/18
Left In: 0.000+/-0.000 χ²/NDF:1316976.2/17
+ sign 0.000+/-0.000 χ²/NDF: 6163921.9/34
All: 0.000+/-0.000 χ²/NDF: 13271890.2/71
- sign 0.000+/-0.000 χ²/NDF: 7107907.3/36

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 32.828+/-23.429 χ^2/NDF:42.3/18

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

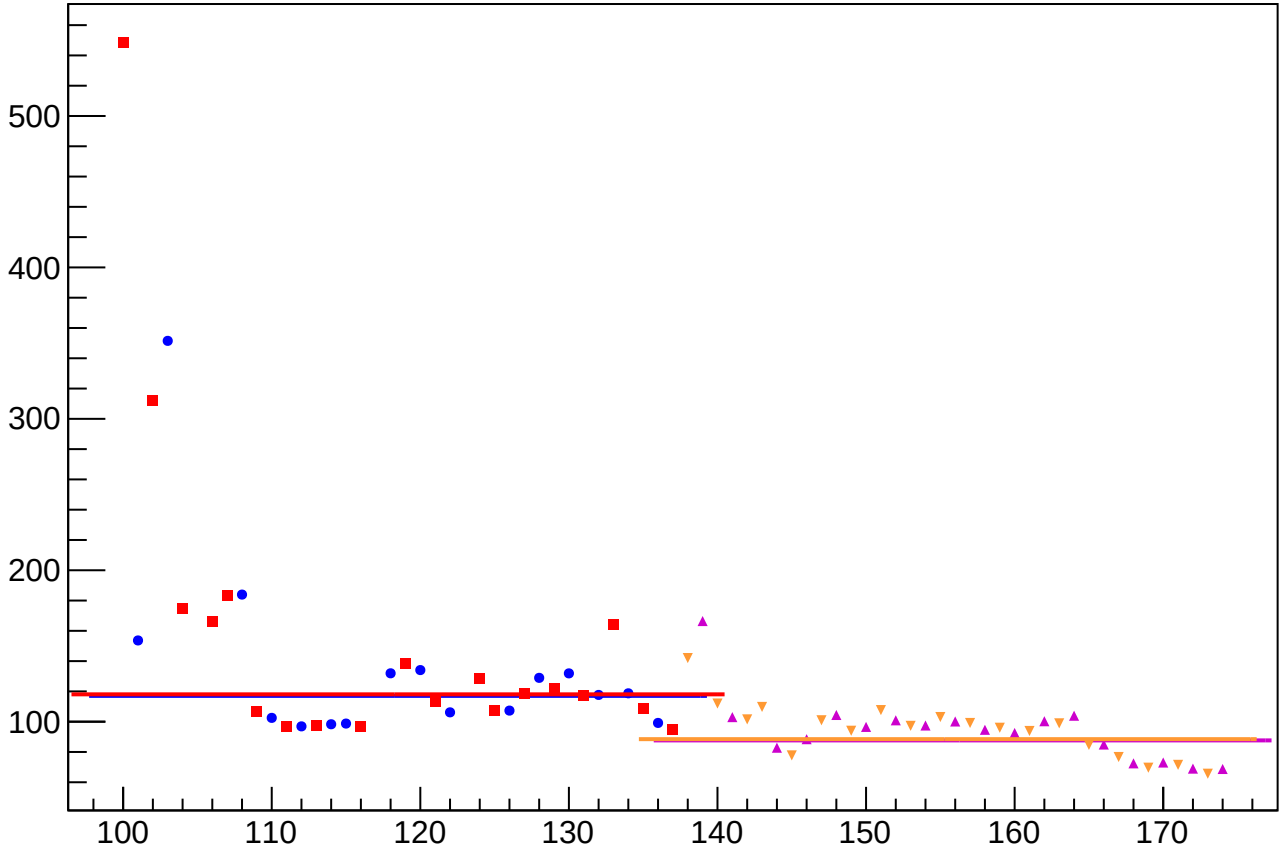
Left In: -45.733+/-23.313 χ^2/NDF:22.2/17

+ sign 29.785+/-20.849 χ^2/NDF: 56.2/34

All: -14.674+/-14.718 χ^2/NDF: 114.4/71

- 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: 88.461+/-0.017 χ^2/NDF:1001237.1/18

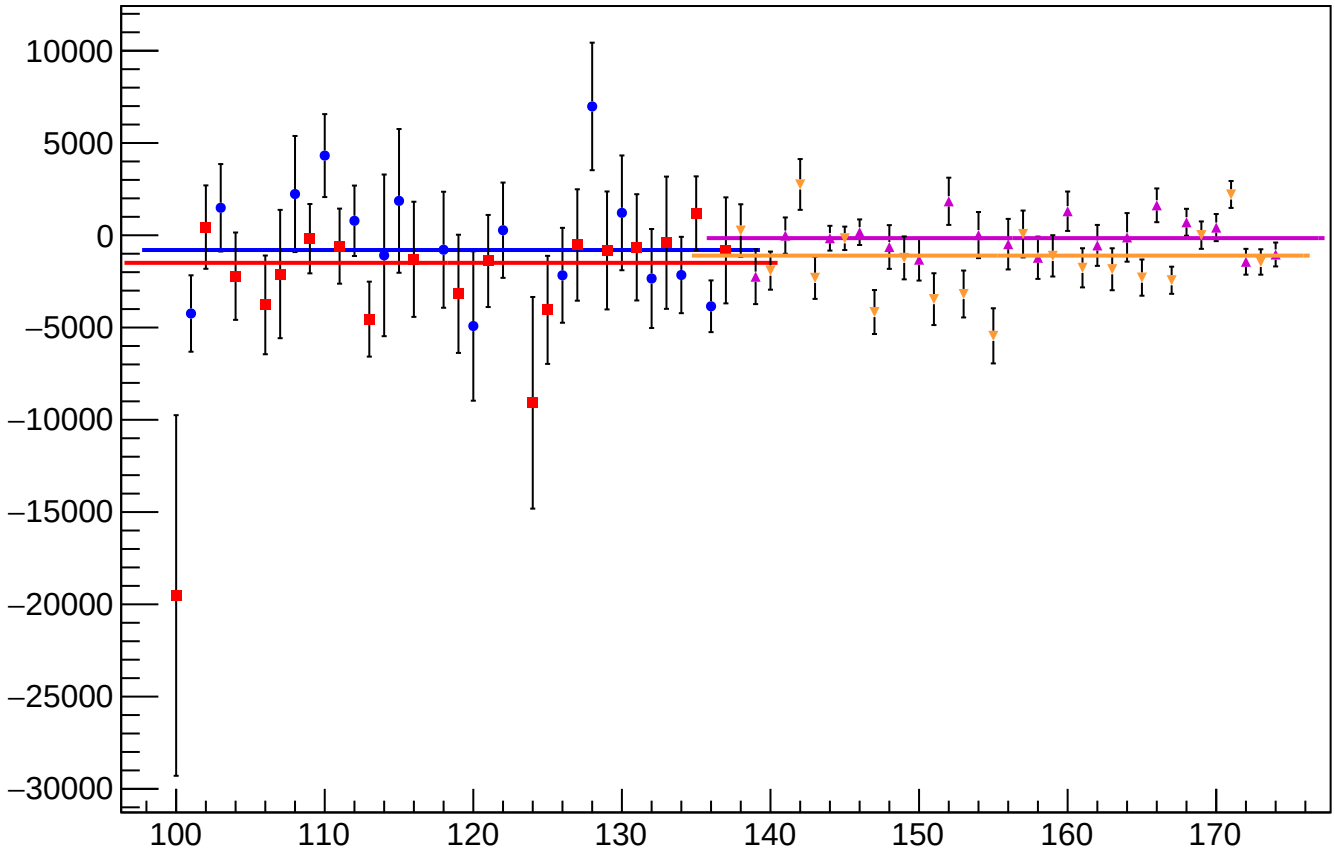
Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 87.642+/-0.016 χ^2/NDF:1001970.3/17

+ sign 94.413+/-0.015 χ^2/NDF: 2479871.6/34

All: 94.154+/-0.010 χ^2/NDF: 5173148.4/71

- 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: -1101.882+/-223.703 χ^2/NDF:62.8/18

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

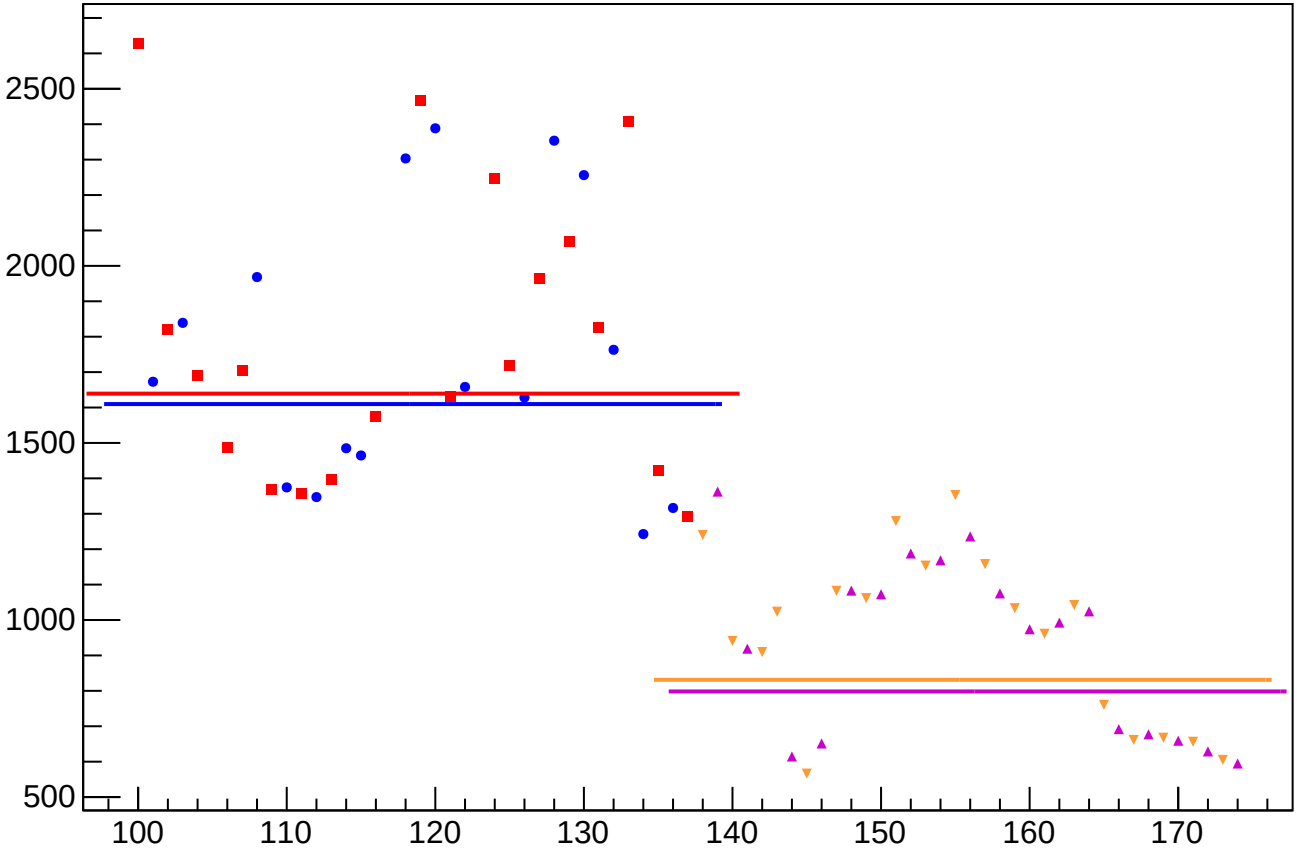
Left In: -154.869+/-215.937 χ^2/NDF:19.8/17

\+ sign -1066.608+/-210.267 χ^2/NDF: 86.4/34

All: -672.459+/-146.294 χ^2/NDF: 130.2/71

\- 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: 831.160+/-0.158 χ^2/NDF:2182711.9/18

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

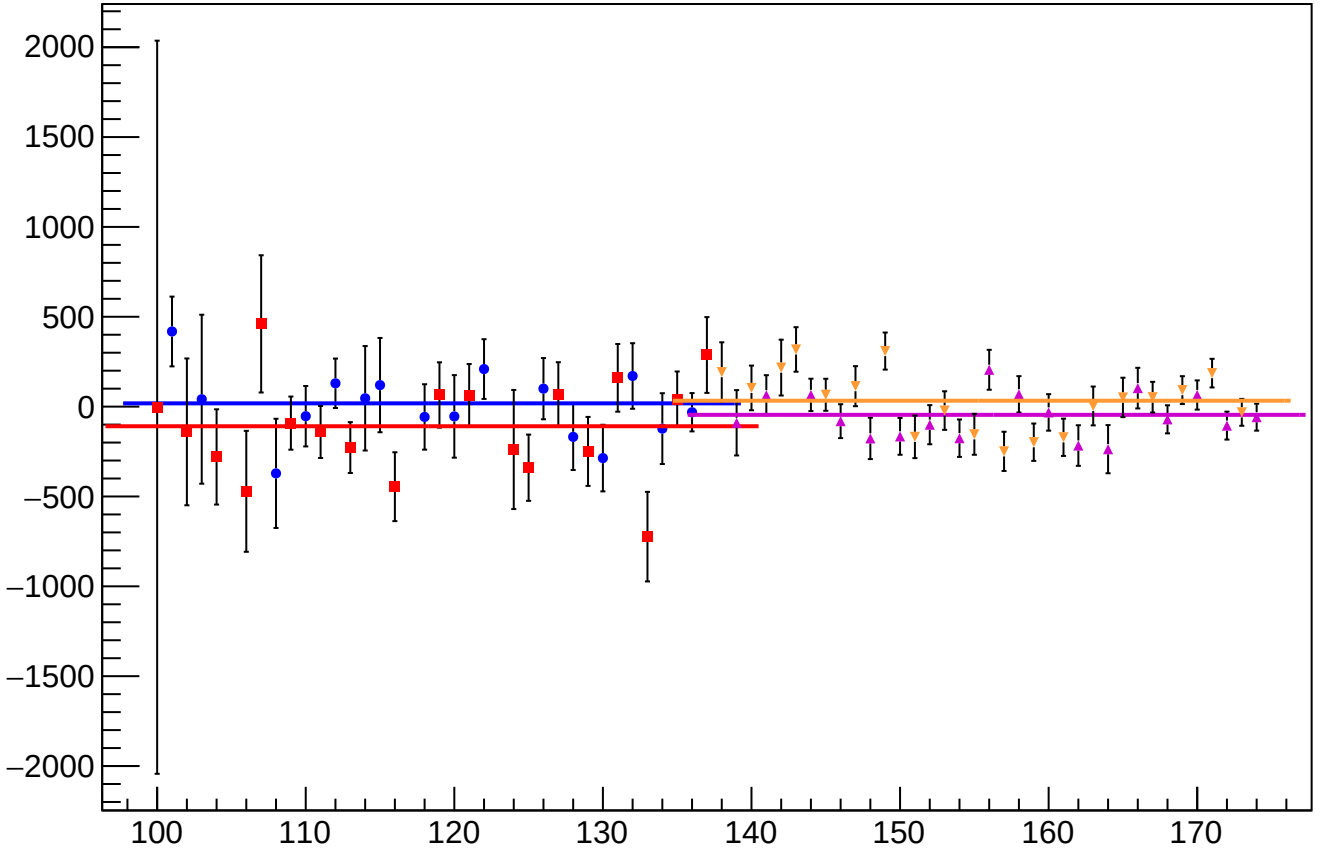
Left In: 798.322+/-0.153 χ^2/NDF:2115625.5/17

+ sign 921.879+/-0.149 χ^2/NDF: 5624830.3/34

All: 906.012+/-0.103 χ^2/NDF: 11630010.4/71

- 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: 32.832+/-23.429 χ^2/NDF:42.3/18

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

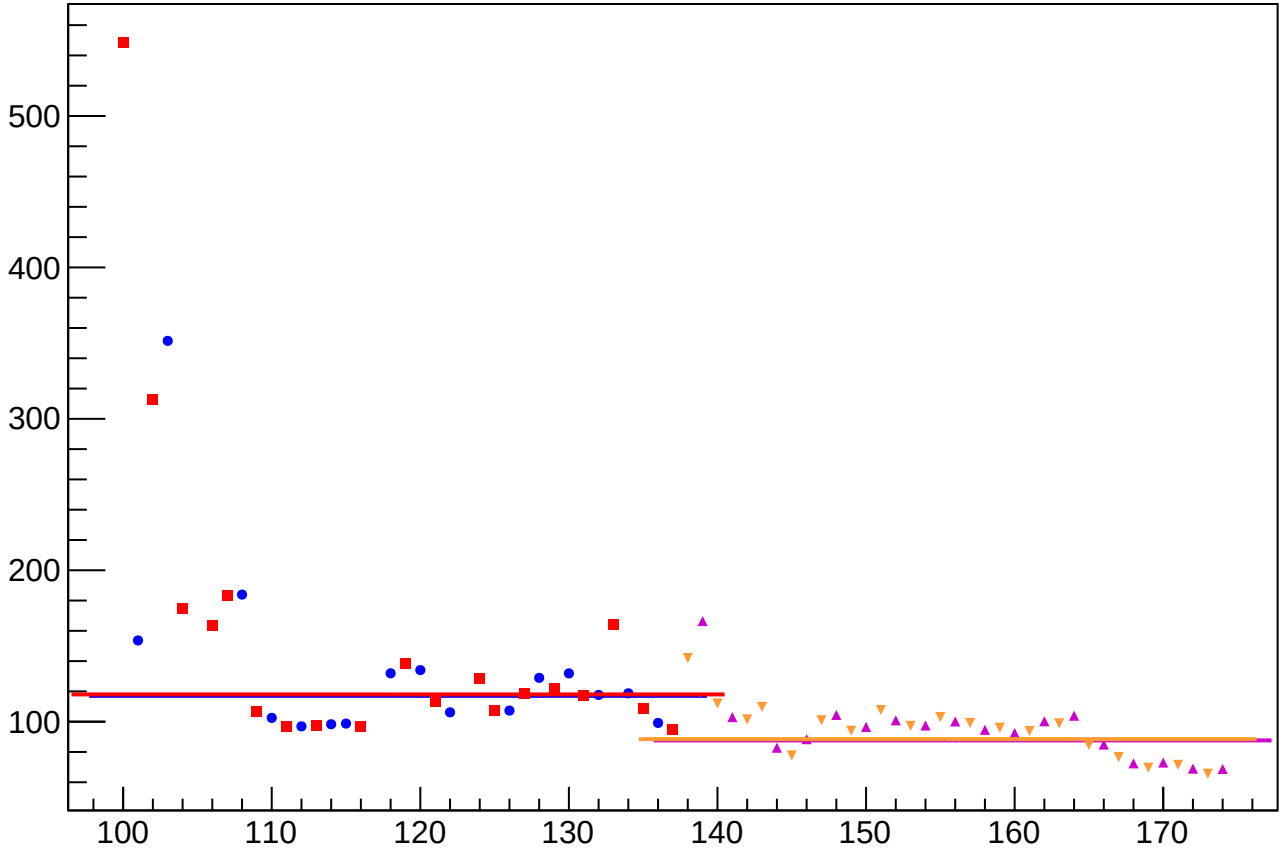
Left In: -45.734+/-23.313 χ^2/NDF:22.1/17

+ sign 29.785+/-20.849 χ^2/NDF: 56.2/34

All: -14.644+/-14.718 χ^2/NDF: 114.3/71

- 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: 88.461+/-0.017 χ^2/NDF:1001237.0/18

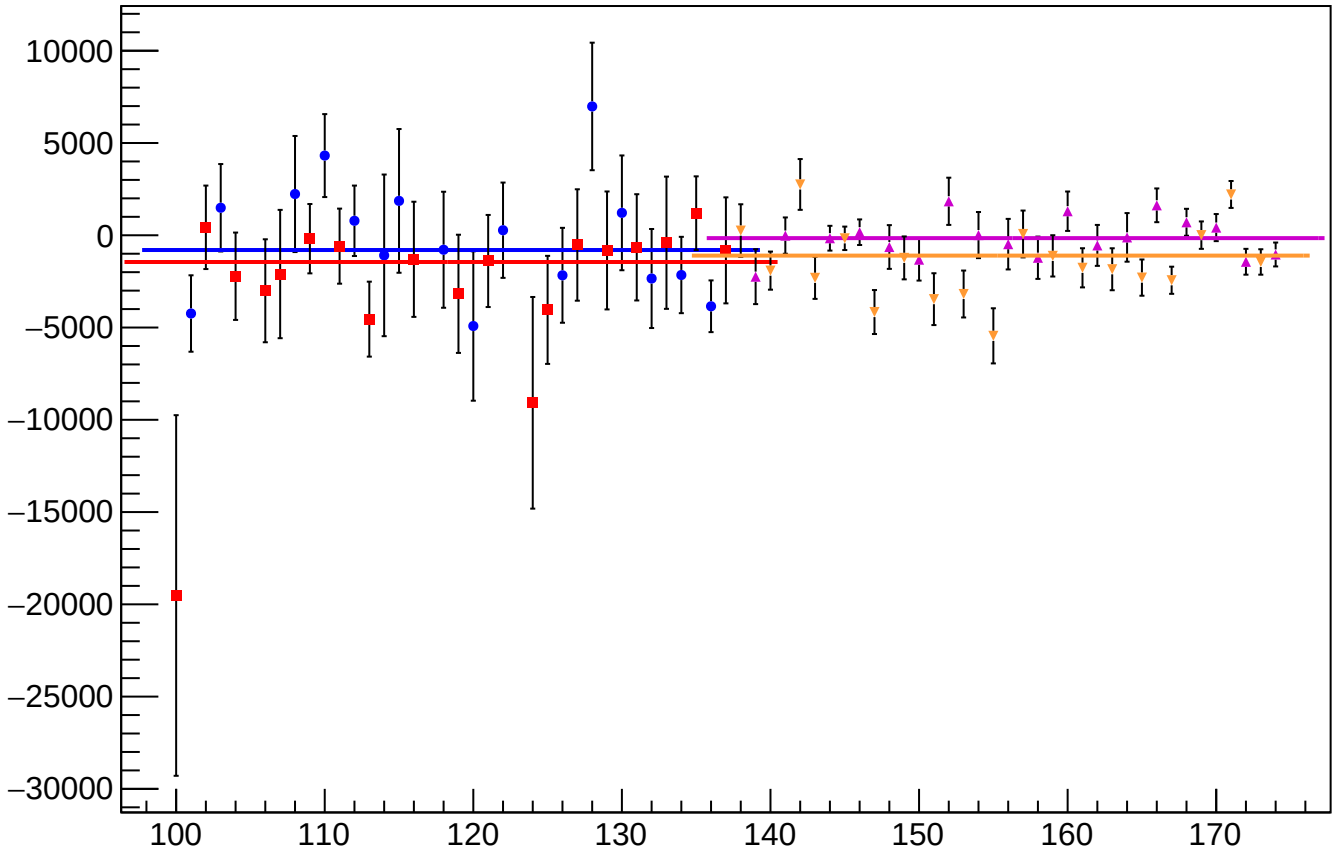
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.642+/-0.016 χ^2/NDF:1001970.3/17

+ sign 94.413+/-0.015 χ^2/NDF: 2479873.1/34

All: 94.148+/-0.010 χ^2/NDF: 5166528.9/71

- 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: -1101.873+/-223.703 χ^2/NDF:62.8/18

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

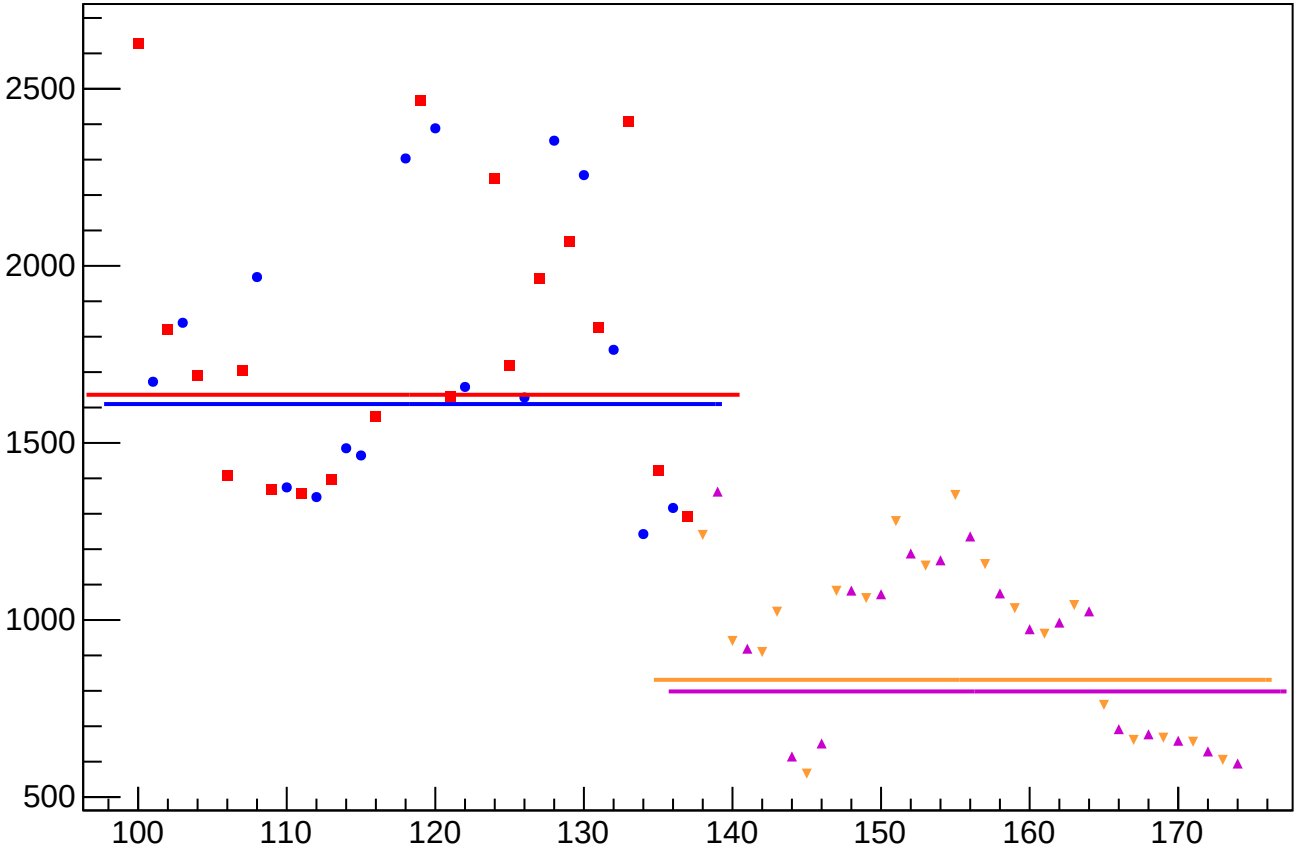
Left In: -154.872+/-215.937 χ^2/NDF:19.8/17

+ sign -1066.599+/-210.267 χ^2/NDF: 86.4/34

All: -669.673+/-146.313 χ^2/NDF: 129.5/71

- sign -297.072+/-203.722 χ^2/NDF: 36.2/36

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 831.160+/-0.158 χ^2/NDF:2182714.3/18

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

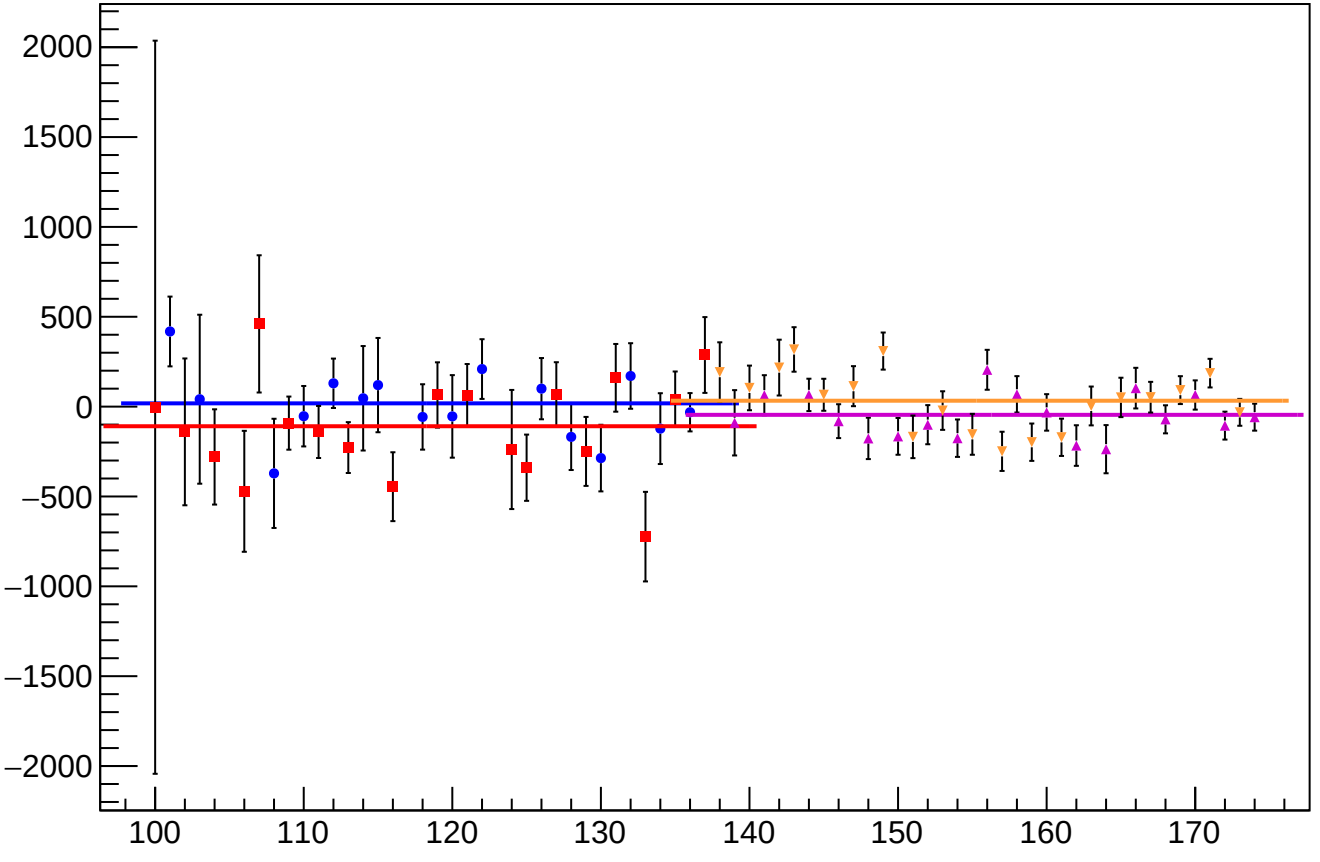
Left In: 798.322+/-0.153 χ^2/NDF:2115624.6/17

+ sign 921.878+/-0.149 χ^2/NDF: 5624896.5/34

All: 905.648+/-0.103 χ^2/NDF: 11600404.0/71

- 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: 32.832+/-23.429 χ^2/NDF:42.3/18

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

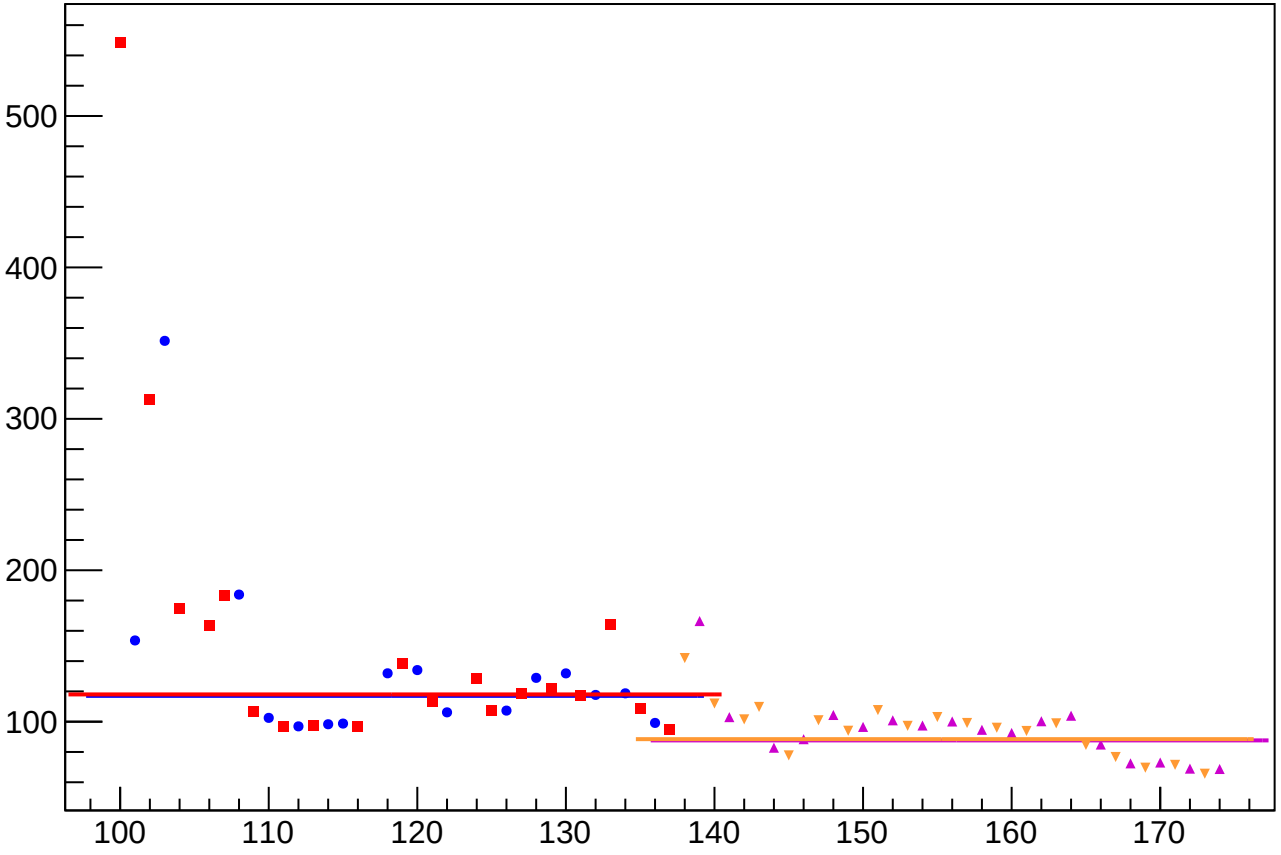
Left In: -45.734+/-23.313 χ^2/NDF:22.1/17

+ sign 29.785+/-20.849 χ^2/NDF: 56.2/34

All: -14.644+/-14.718 χ^2/NDF: 114.3/71

- 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: 88.461+/-0.017 χ^2/NDF:1001237.0/18

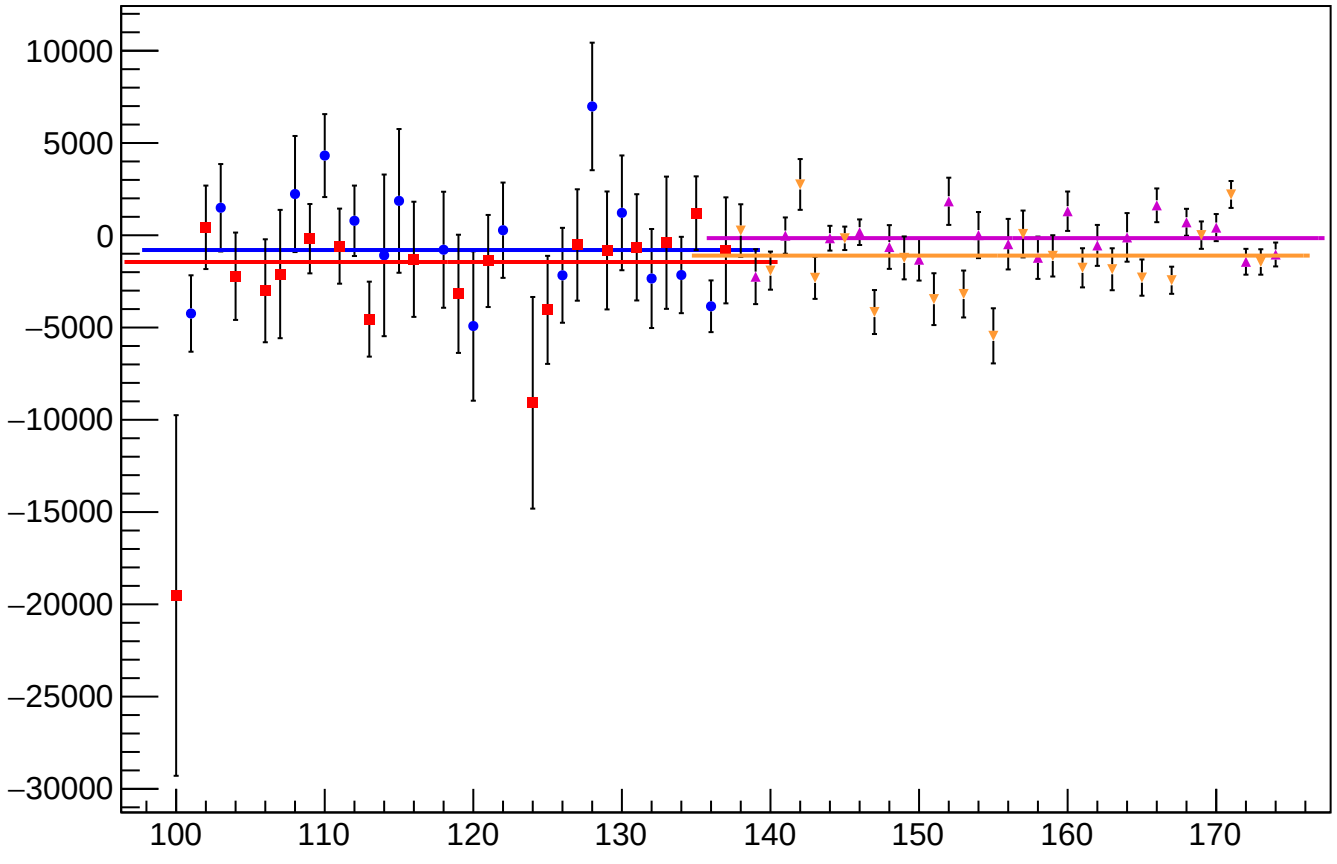
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.642+/-0.016 χ^2/NDF:1001970.3/17

+ sign 94.413+/-0.015 χ^2/NDF: 2479873.1/34

All: 94.148+/-0.010 χ^2/NDF: 5166528.9/71

- 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: -1101.873+/-223.703 χ^2/NDF:62.8/18

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

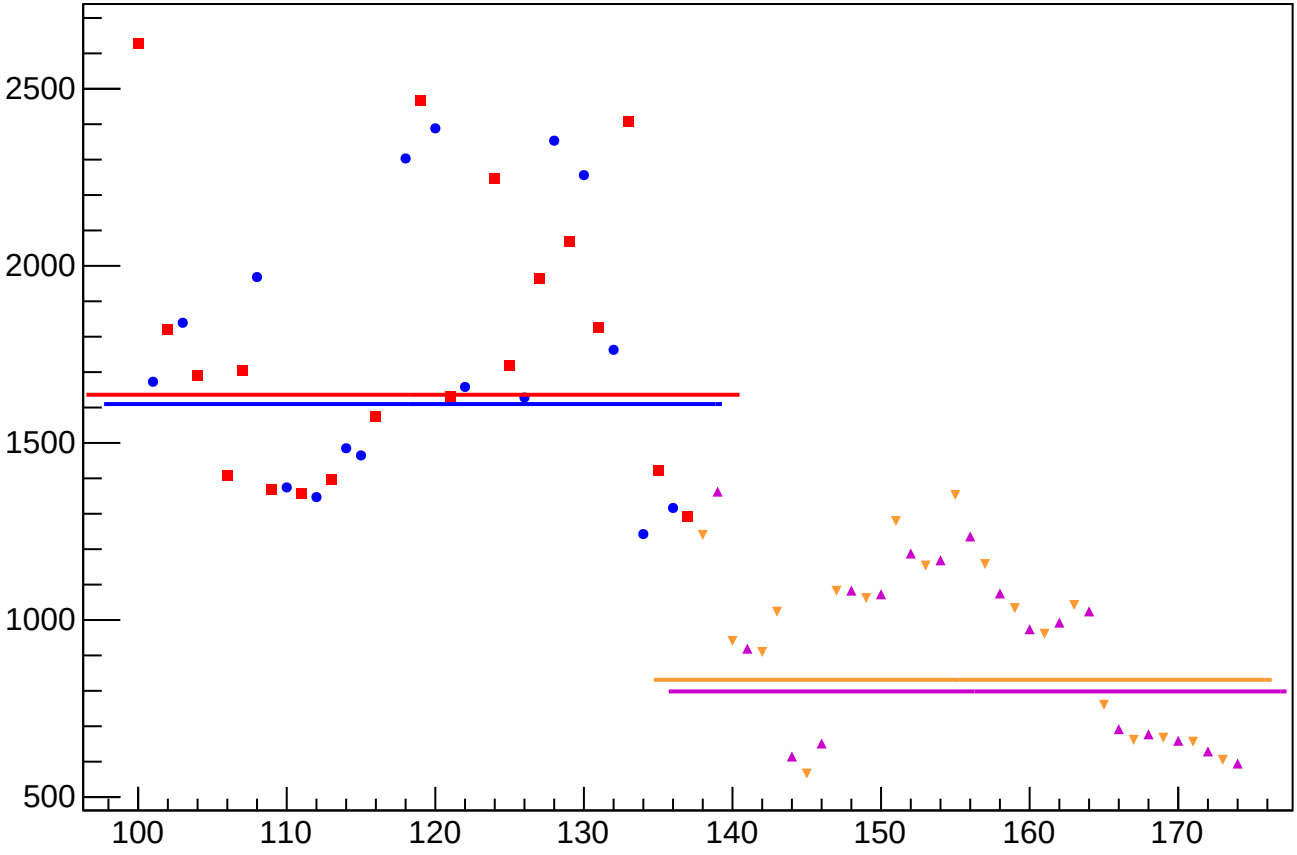
Left In: -154.872+/-215.937 χ^2/NDF:19.8/17

+ sign -1066.599+/-210.267 χ^2/NDF: 86.4/34

All: -669.673+/-146.313 χ^2/NDF: 129.5/71

- 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: 831.160+/-0.158 χ^2/NDF:2182714.3/18

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

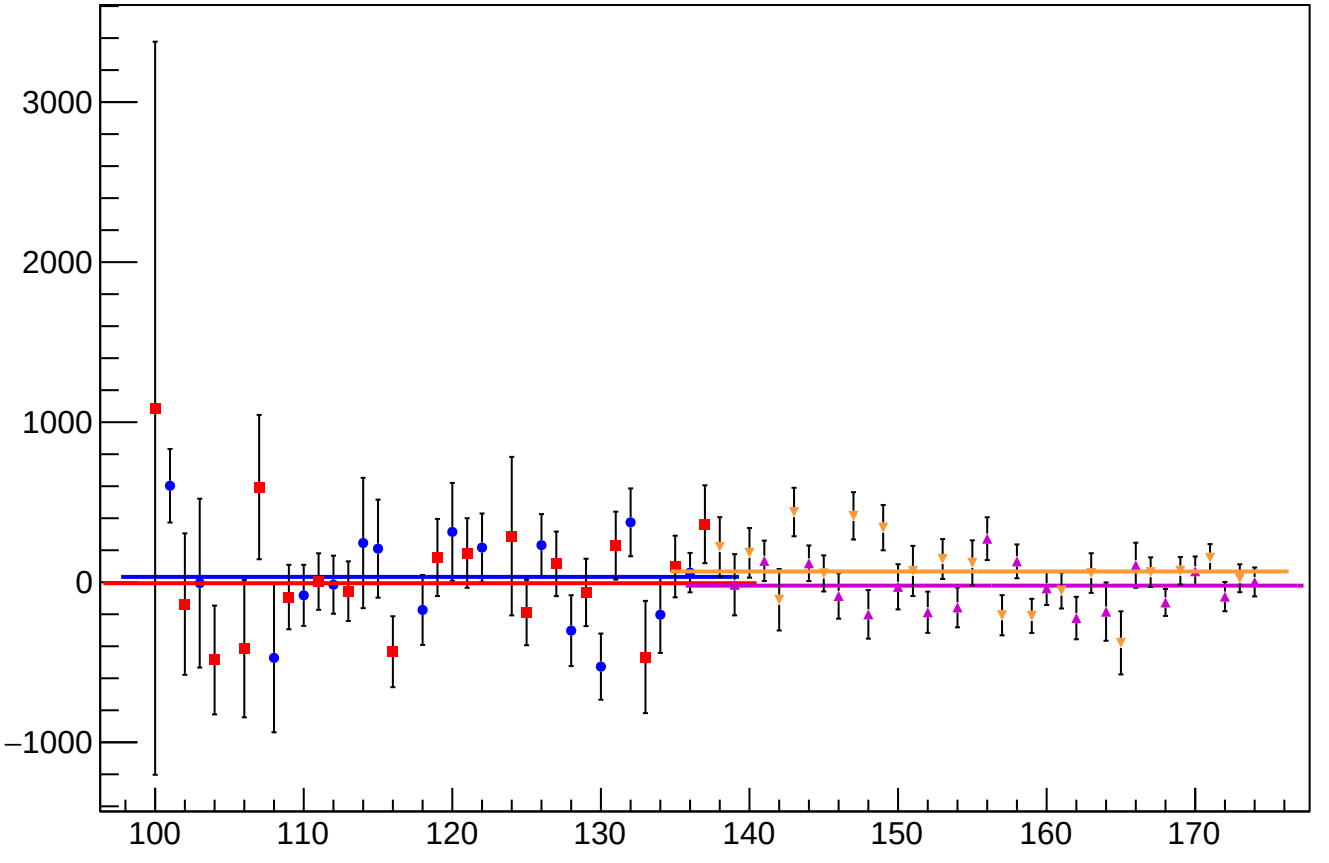
Left In: 798.322+/-0.153 χ^2/NDF:2115624.6/17

+ sign 921.878+/-0.149 χ^2/NDF: 5624896.5/34

All: 905.648+/-0.103 χ^2/NDF: 11600404.0/71

- 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: 67.349+/-27.588 χ^2/NDF:36.9/18

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

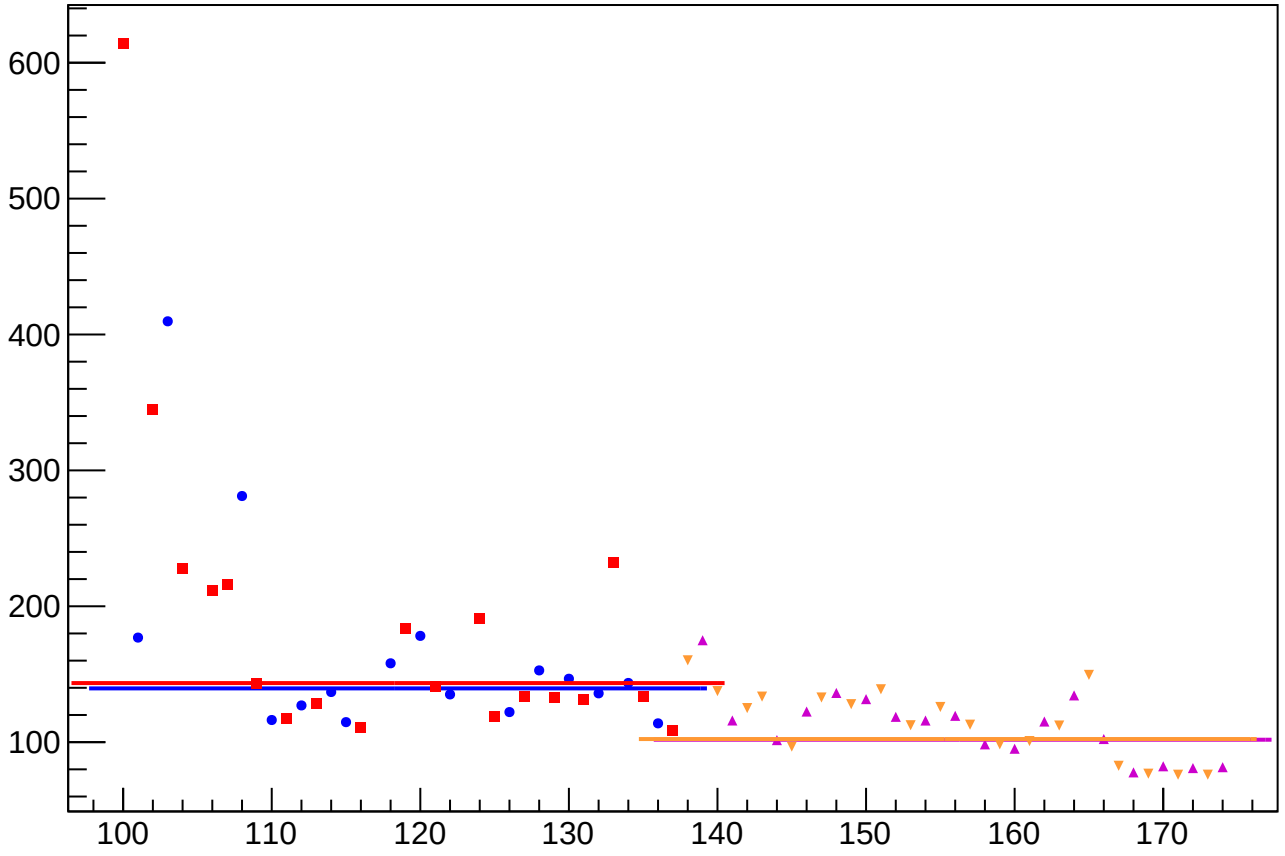
Left In: -21.168+/-27.589 χ^2/NDF:21.5/17

\+ sign 60.520+/-24.652 χ^2/NDF: 62.4/34

All: 21.310+/-17.468 χ^2/NDF: 106.4/71

\- 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: 102.291+/-0.020 χ^2/NDF:1526785.9/18

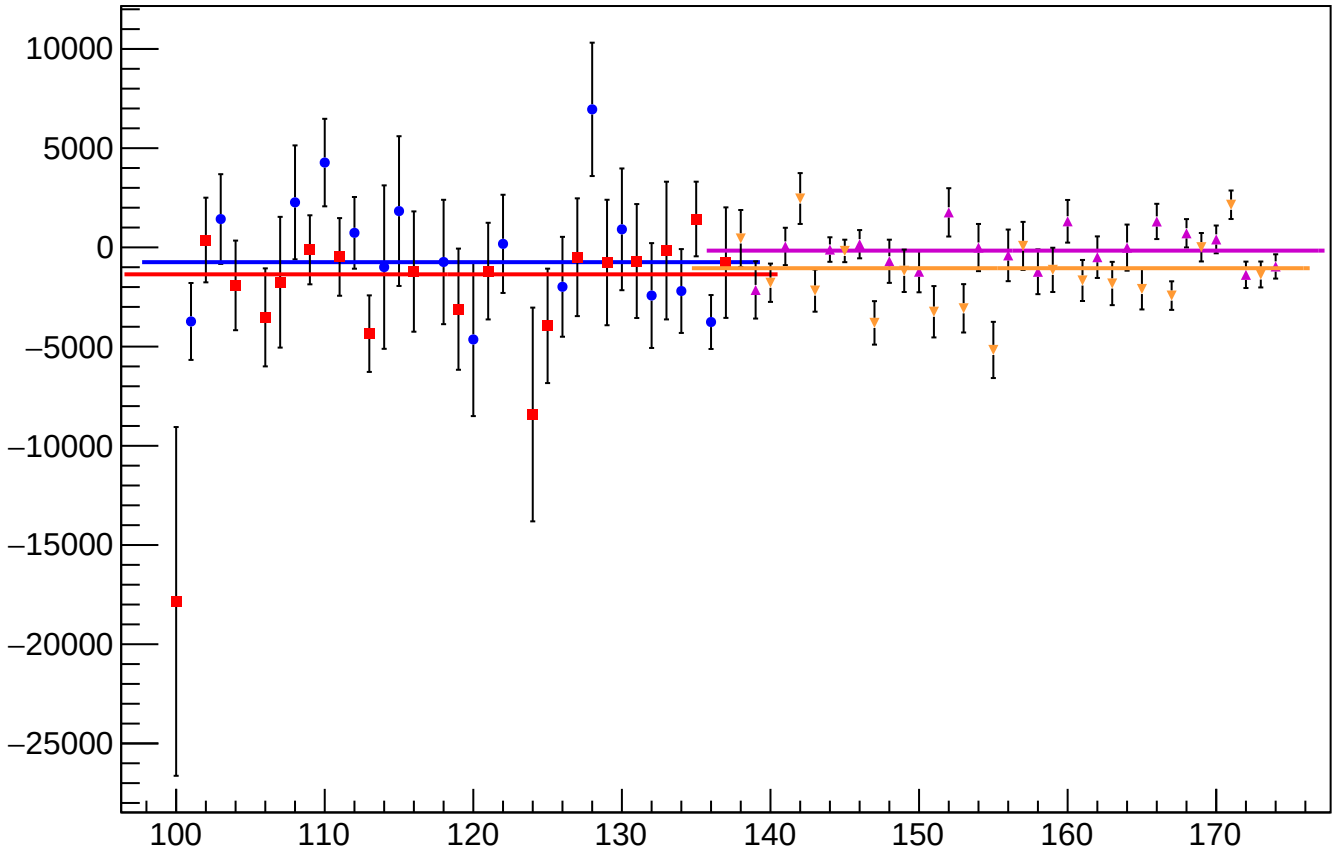
Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 101.798+/-0.020 χ^2/NDF:1199683.2/17

+ sign 109.805+/-0.017 χ^2/NDF: 3239465.5/34

All: 109.861+/-0.012 χ^2/NDF: 6445137.9/71

- sign 109.917+/-0.018 χ^2/NDF: 3205651.6/36



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1049.323+/-213.138 χ^2/NDF:61.8/18

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

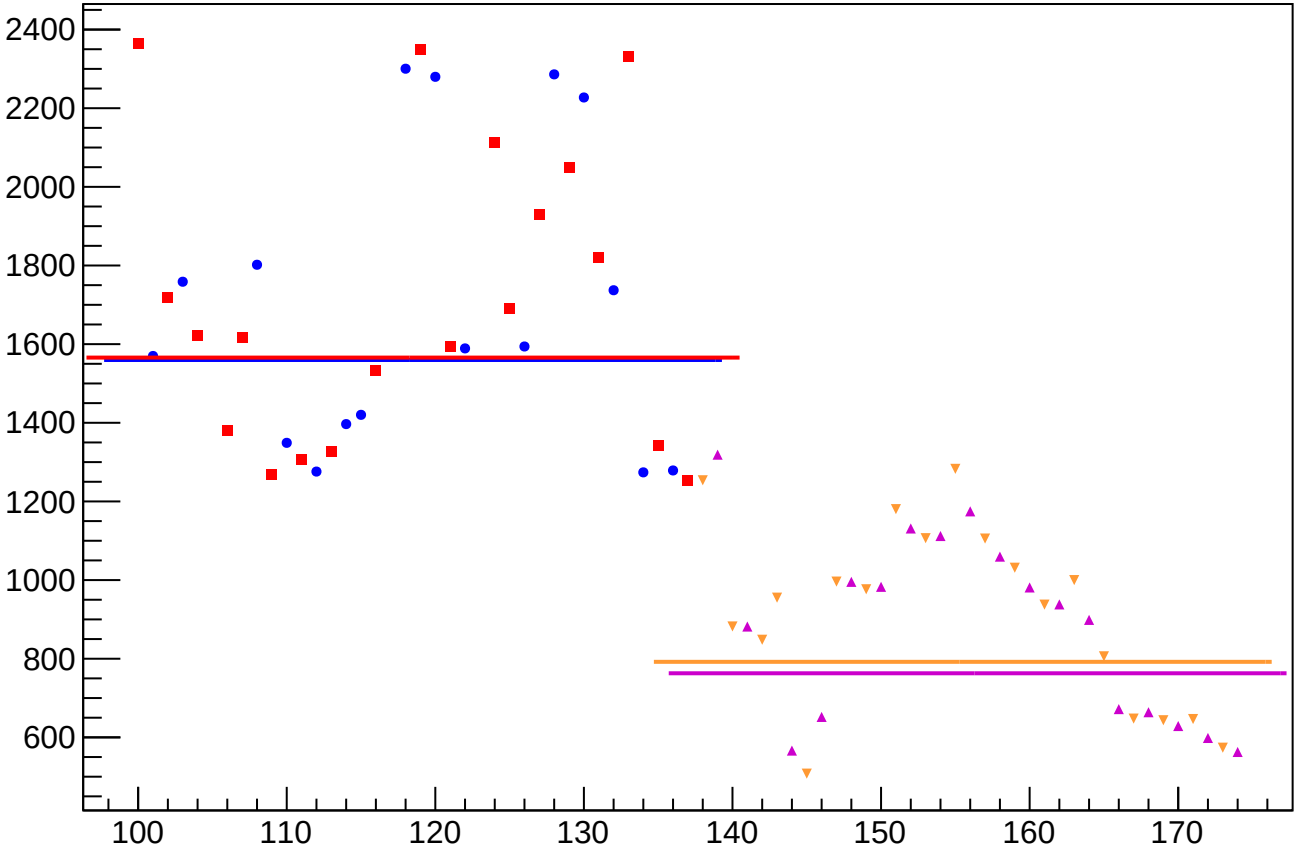
Left In: -163.265+/-206.534 χ^2/NDF:18.9/17

\+ sign -1014.761+/-200.684 χ^2/NDF: 85.4/34

All: -644.316+/-139.772 χ^2/NDF: 128.2/71

\- 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: 792.112+/-0.151 χ^2/NDF:2272900.4/18

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

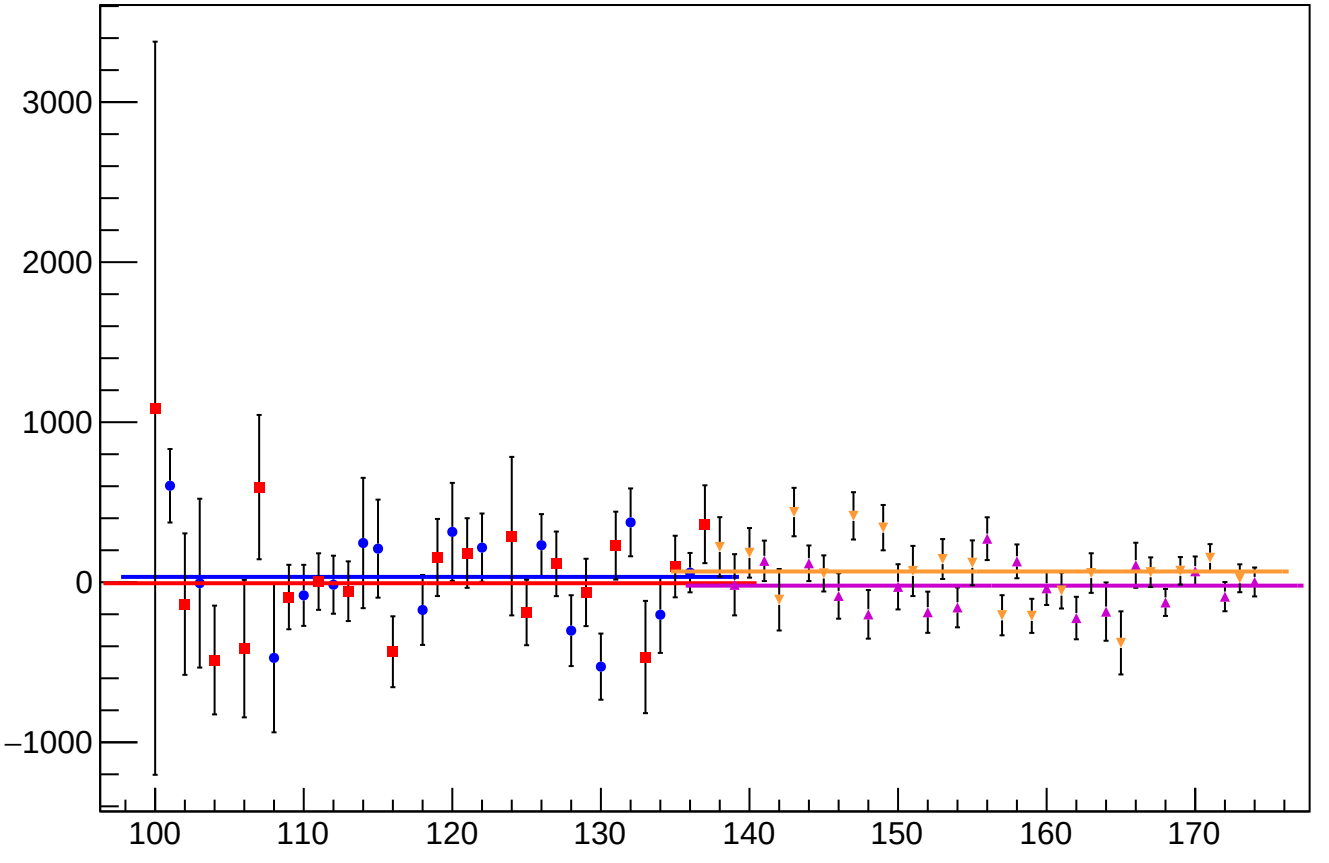
Left In: 762.991+/-0.146 χ^2/NDF:2089919.6/17

+ sign 879.200+/-0.142 χ^2/NDF: 5820270.0/34

All: 865.065+/-0.099 χ^2/NDF: 11834260.4/71

- 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: 67.350+/-27.588 χ^2/NDF:36.9/18

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

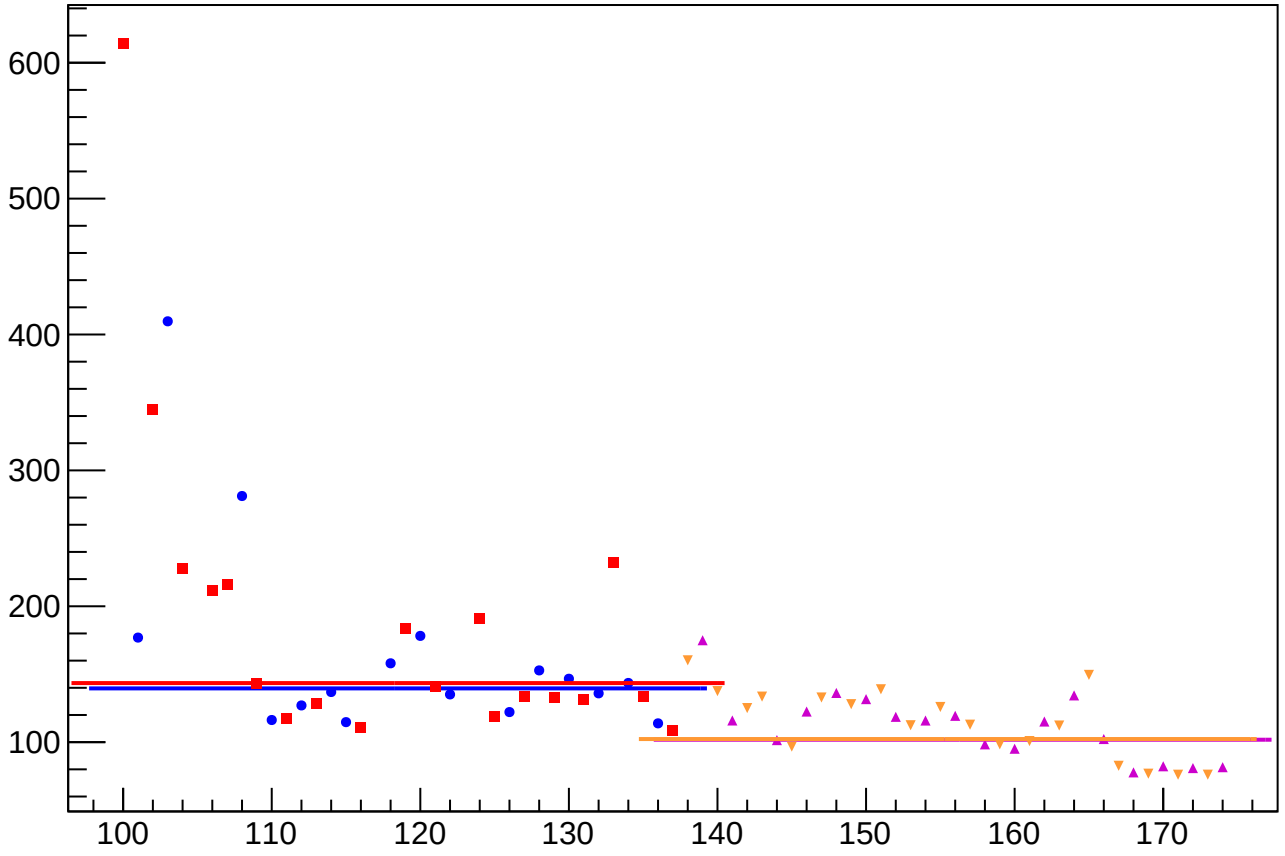
Left In: -21.167+/-27.589 χ^2/NDF:21.5/17

+ sign 60.521+/-24.652 χ^2/NDF: 62.4/34

All: 21.311+/-17.468 χ^2/NDF: 106.4/71

- 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: 102.291+/-0.020 χ^2/NDF:1526812.5/18

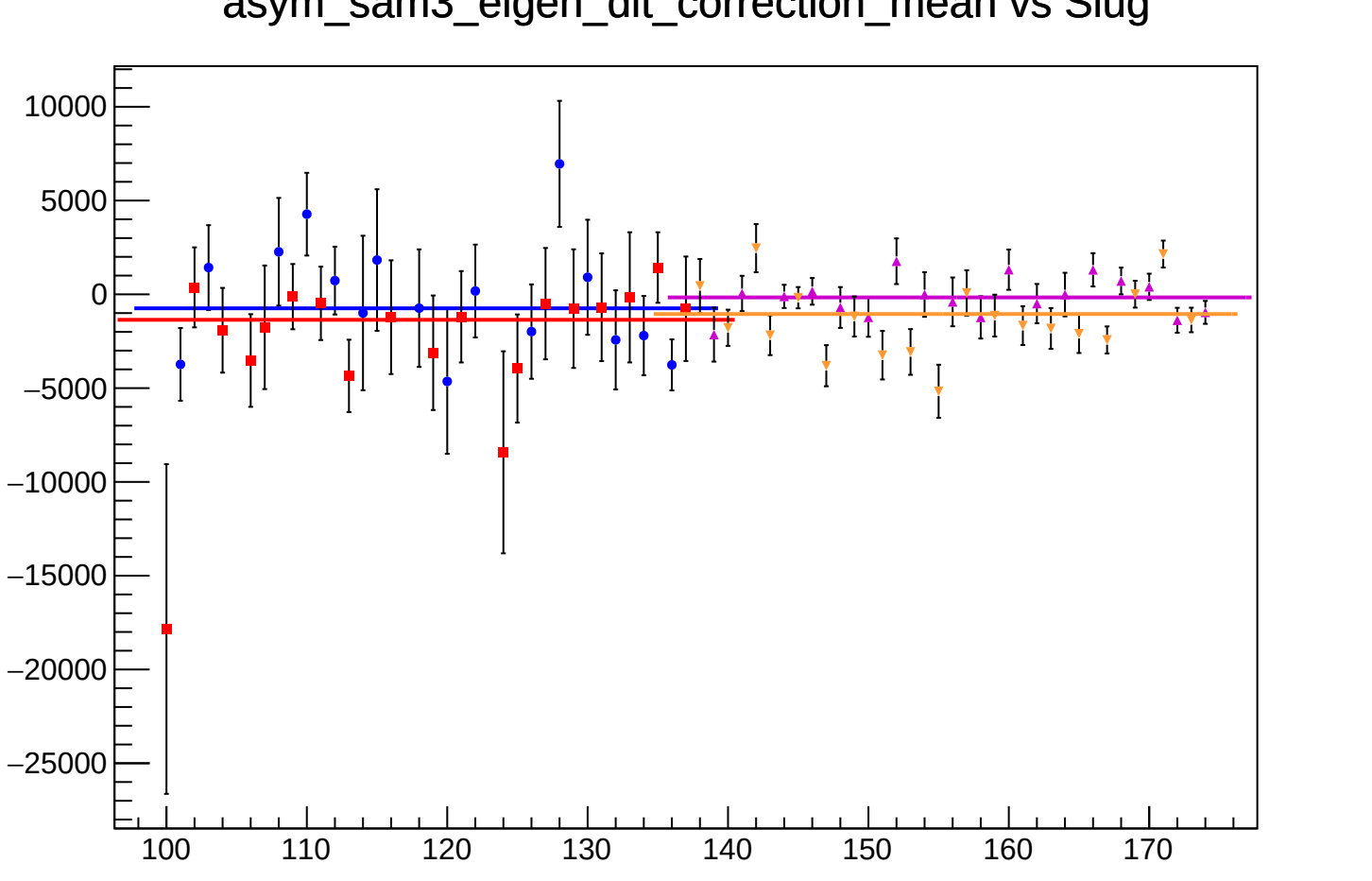
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 101.798+/-0.020 χ^2/NDF:1199697.8/17

\+ sign 109.805+/-0.017 χ^2/NDF: 3239489.5/34

All: 109.861+/-0.012 χ^2/NDF: 6445183.5/71

\- sign 109.918+/-0.018 χ^2/NDF: 3205673.1/36



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1049.324+/-213.138 χ^2/NDF:61.8/18

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

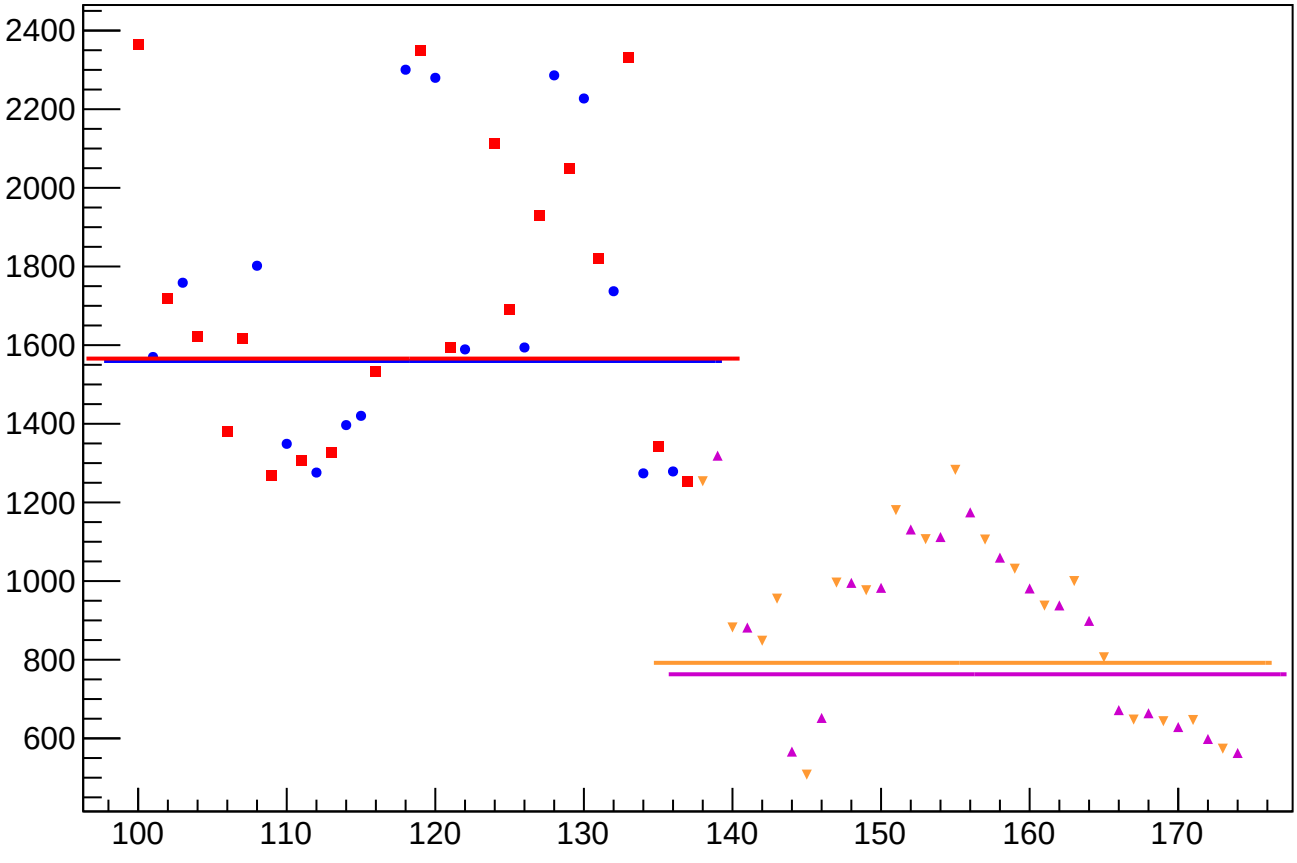
Left In: -163.264+/-206.534 χ^2/NDF:18.9/17

+ sign -1014.761+/-200.684 χ^2/NDF: 85.4/34

All: -644.316+/-139.772 χ^2/NDF: 128.2/71

- 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: 792.111+/-0.151 χ^2/NDF:2272894.8/18

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

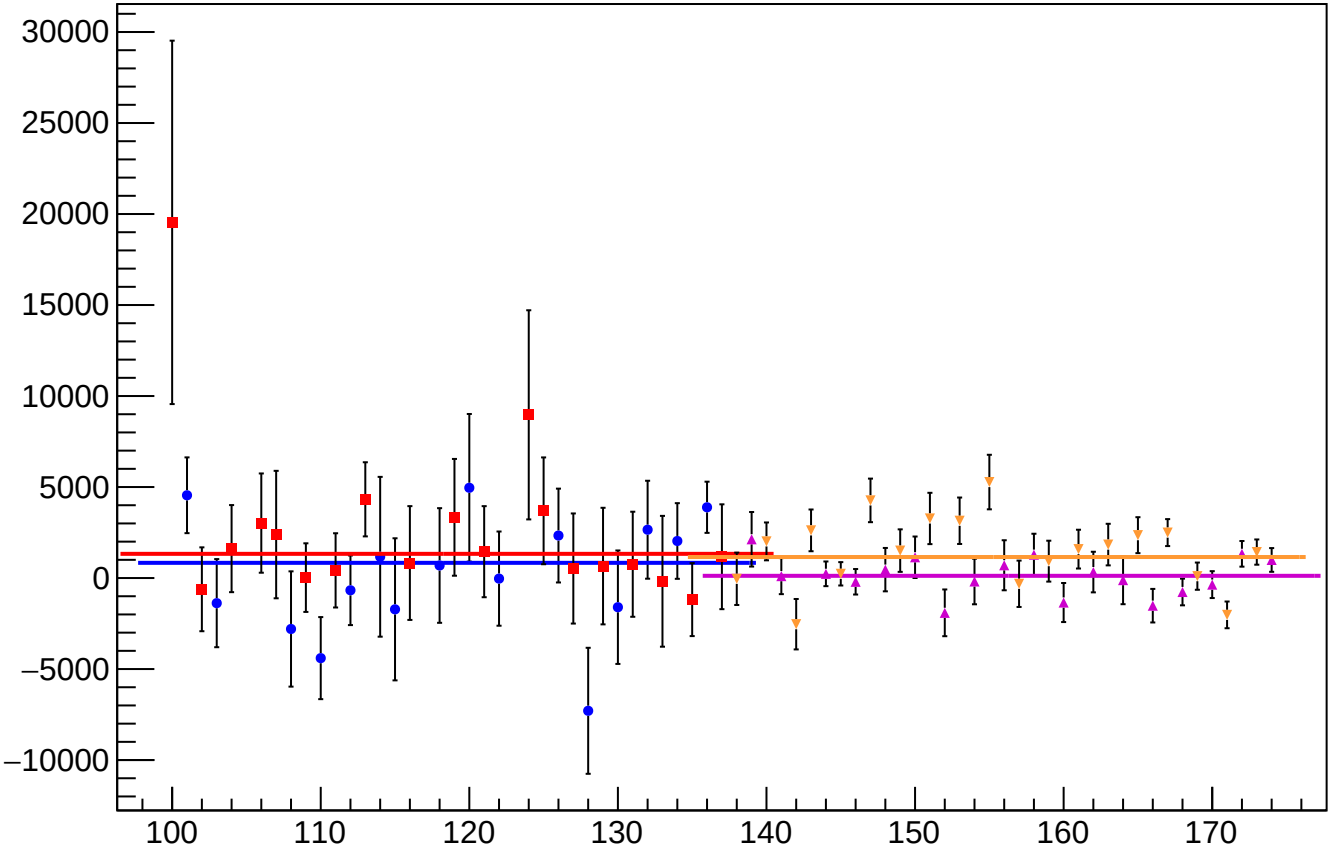
Left In: 762.990+/-0.146 χ^2/NDF:2089914.7/17

+ sign 879.199+/-0.142 χ^2/NDF: 5820264.1/34

All: 865.064+/-0.099 χ^2/NDF: 11834244.8/71

- 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: 1154.942+/-225.077 χ^2/NDF:58.8/18

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

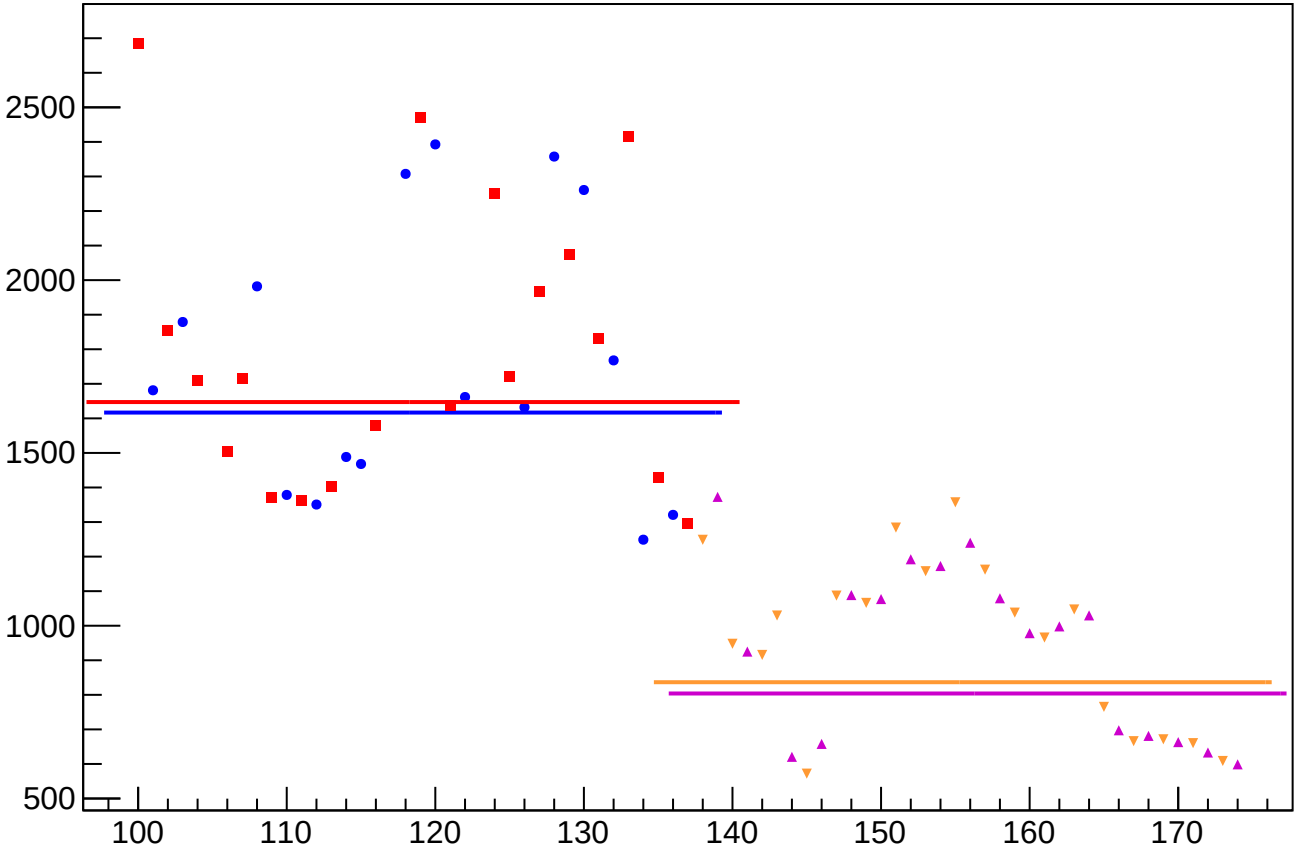
Left In: 122.308+/-217.366 χ^2/NDF:18.4/17

+ sign 1117.615+/-211.519 χ^2/NDF: 84.0/34

All: 673.221+/-147.206 χ^2/NDF: 126.5/71

- 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: 836.533+/-0.159 χ^2/NDF:2162902.6/18

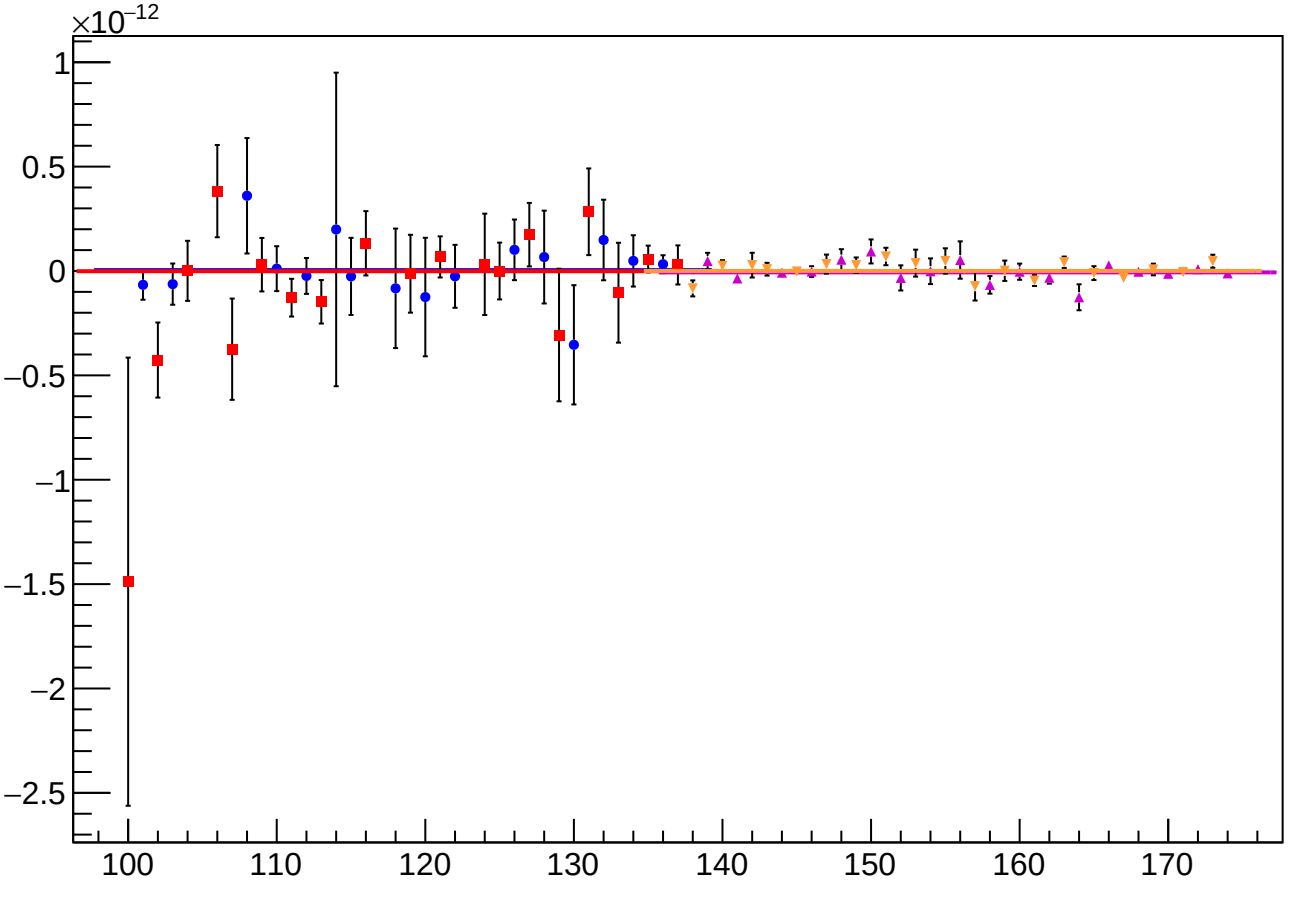
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 803.904+/-0.154 χ^2/NDF:2095375.6/17

+ sign 927.707+/-0.150 χ^2/NDF: 5593729.6/34

All: 911.959+/-0.104 χ^2/NDF: 11563782.8/71

- 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:22.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

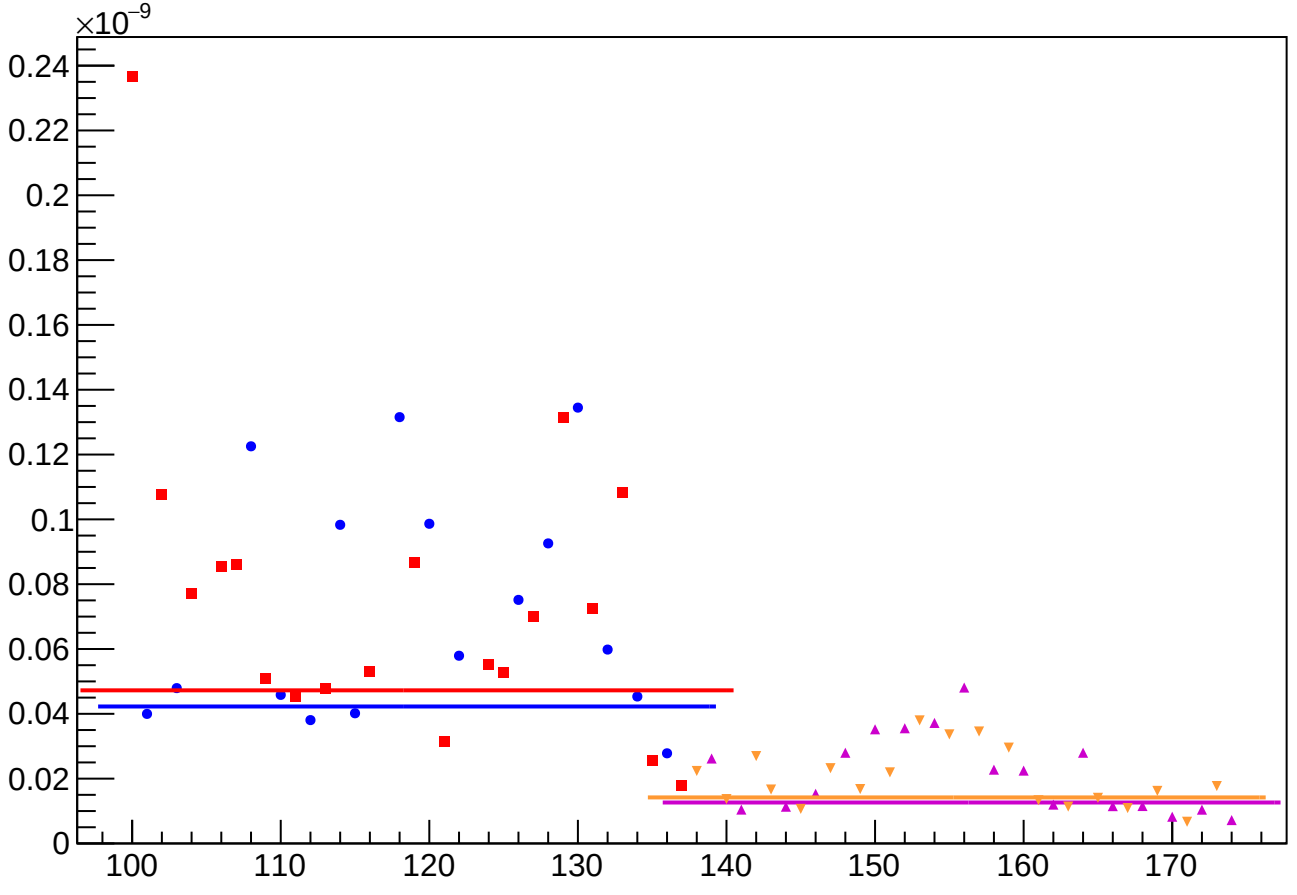
Left In: -0.000+/-0.000 χ^2/NDF:17.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 29.5/34

All: -0.000+/-0.000 χ^2/NDF: 71.3/71

- 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:1774471.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

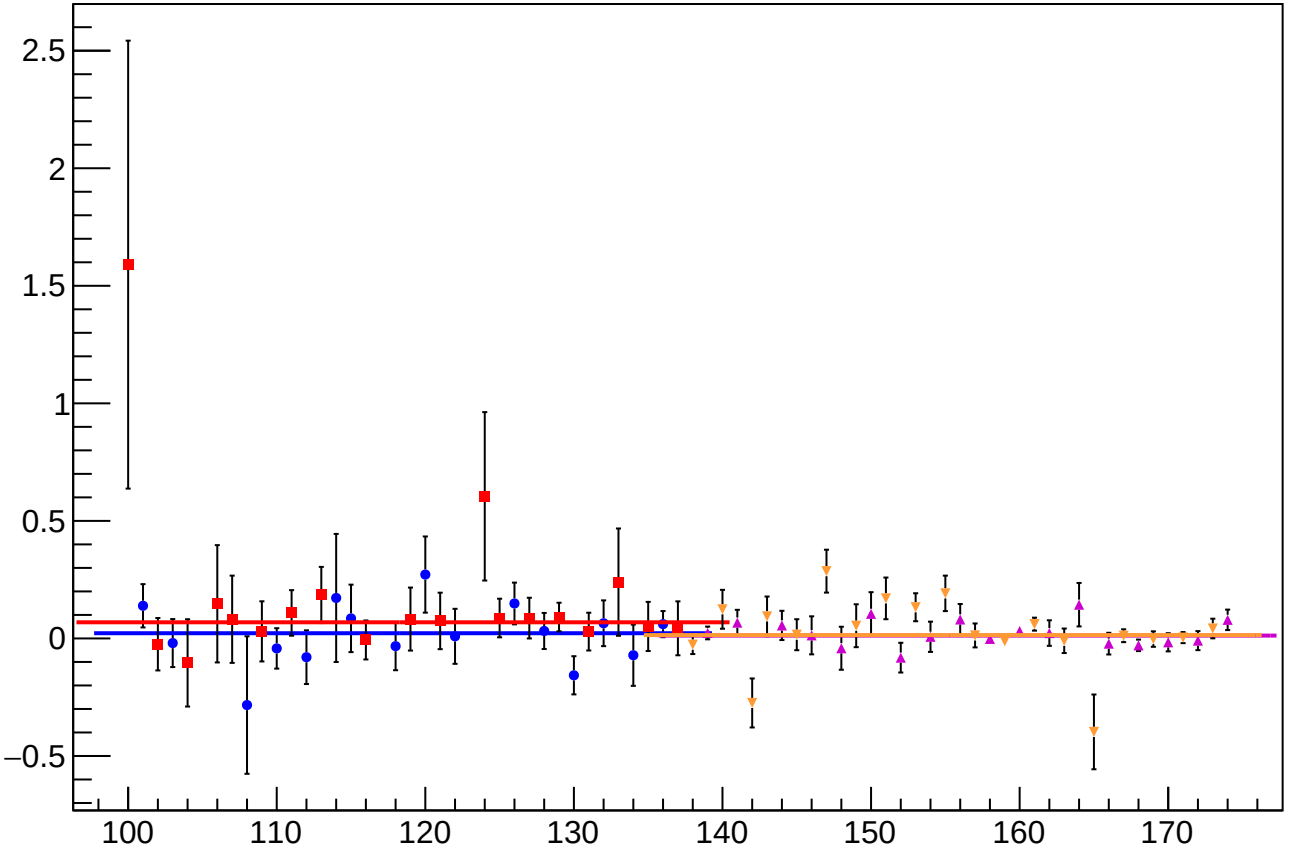
Left In: 0.000+/-0.000 χ^2/NDF:2527896.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 4918056.5/34

All: 0.000+/-0.000 χ^2/NDF: 11437782.3/71

- 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: 0.014+/-0.009 χ^2/NDF:46.6/18

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

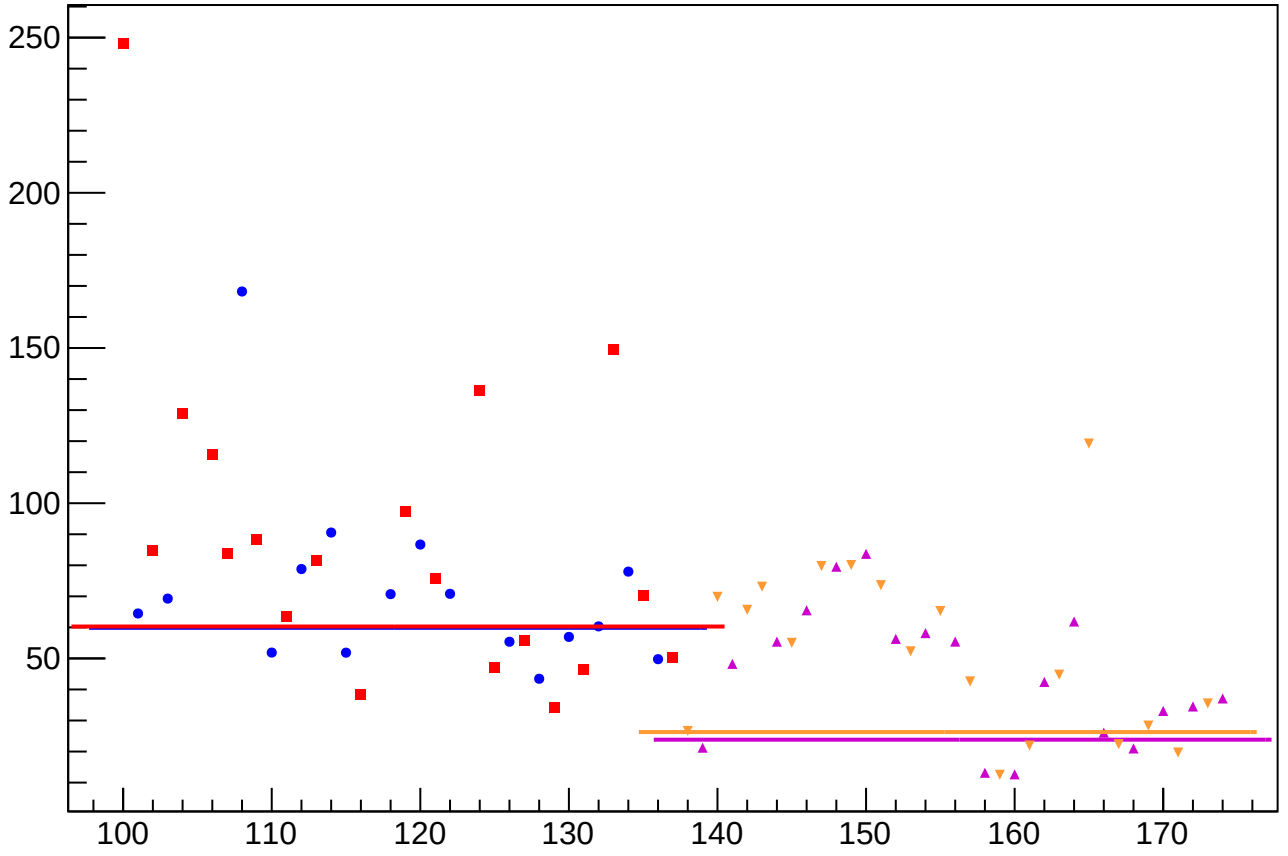
Left In: 0.012+/-0.008 χ^2/NDF:17.2/17

+ sign 0.015+/-0.008 χ^2/NDF: 62.2/34

All: 0.016+/-0.006 χ^2/NDF: 93.6/71

- sign 0.017+/-0.008 χ^2/NDF: 31.4/36

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.281+/-0.006 χ^2/NDF:7788411.1/18

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

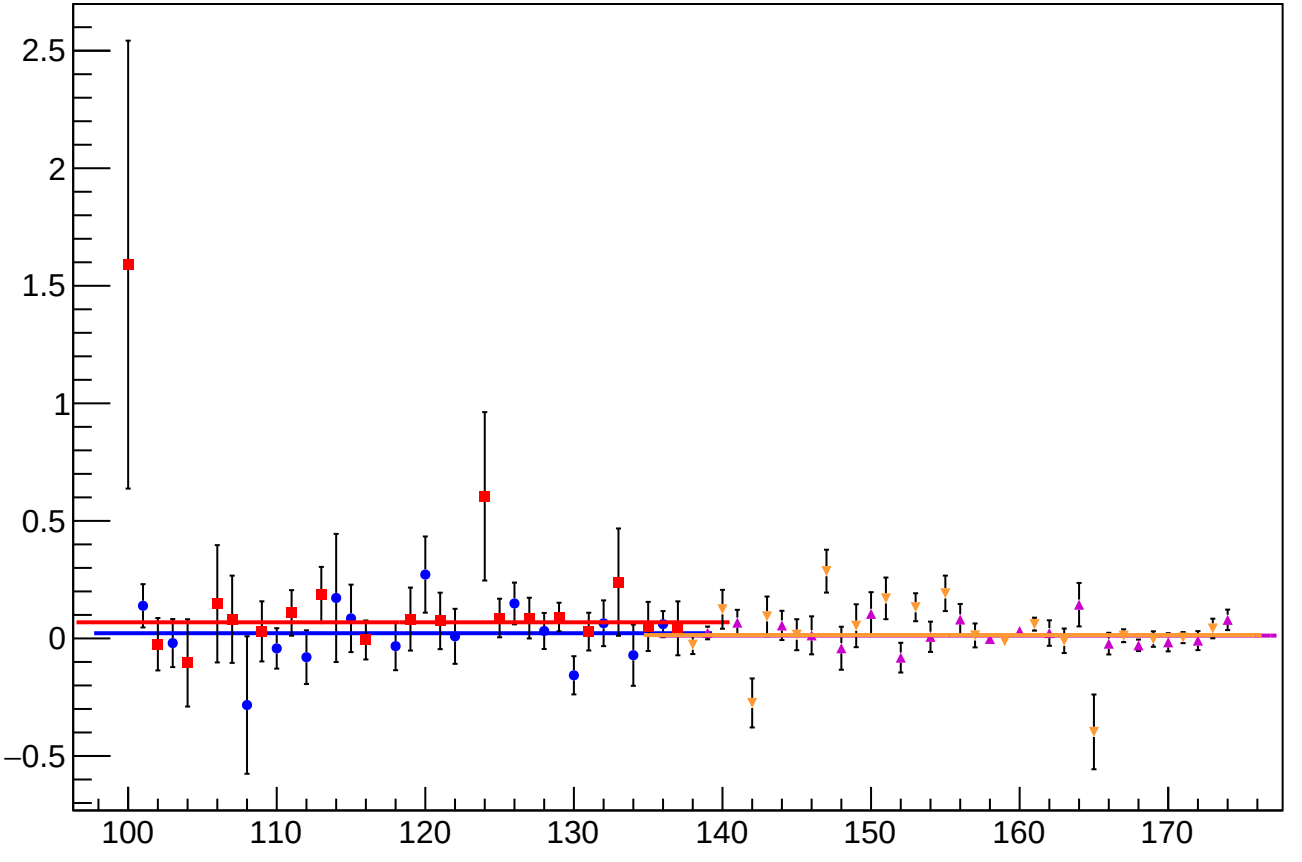
Left In: 23.824+/-0.006 χ^2/NDF:7483159.4/17

+ sign 30.049+/-0.006 χ^2/NDF: 11777359.7/34

All: 28.553+/-0.004 χ^2/NDF: 25130089.6/71

- 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: 0.014+/-0.009 χ^2/NDF:46.6/18

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

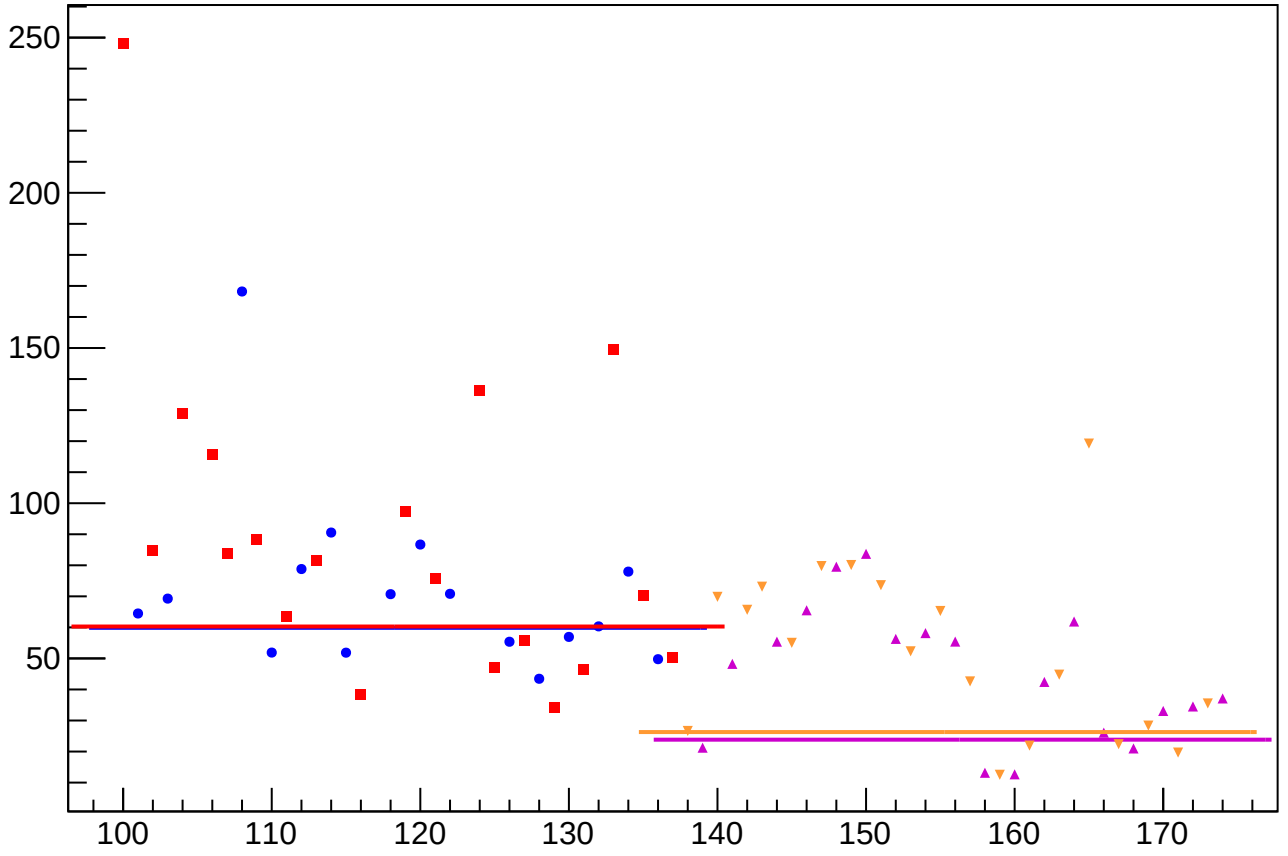
Left In: 0.012+/-0.008 χ^2/NDF:17.2/17

+ sign 0.015+/-0.008 χ^2/NDF: 62.2/34

All: 0.016+/-0.006 χ^2/NDF: 93.6/71

- 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: 26.281+/-0.006 χ^2/NDF:7788411.1/18

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

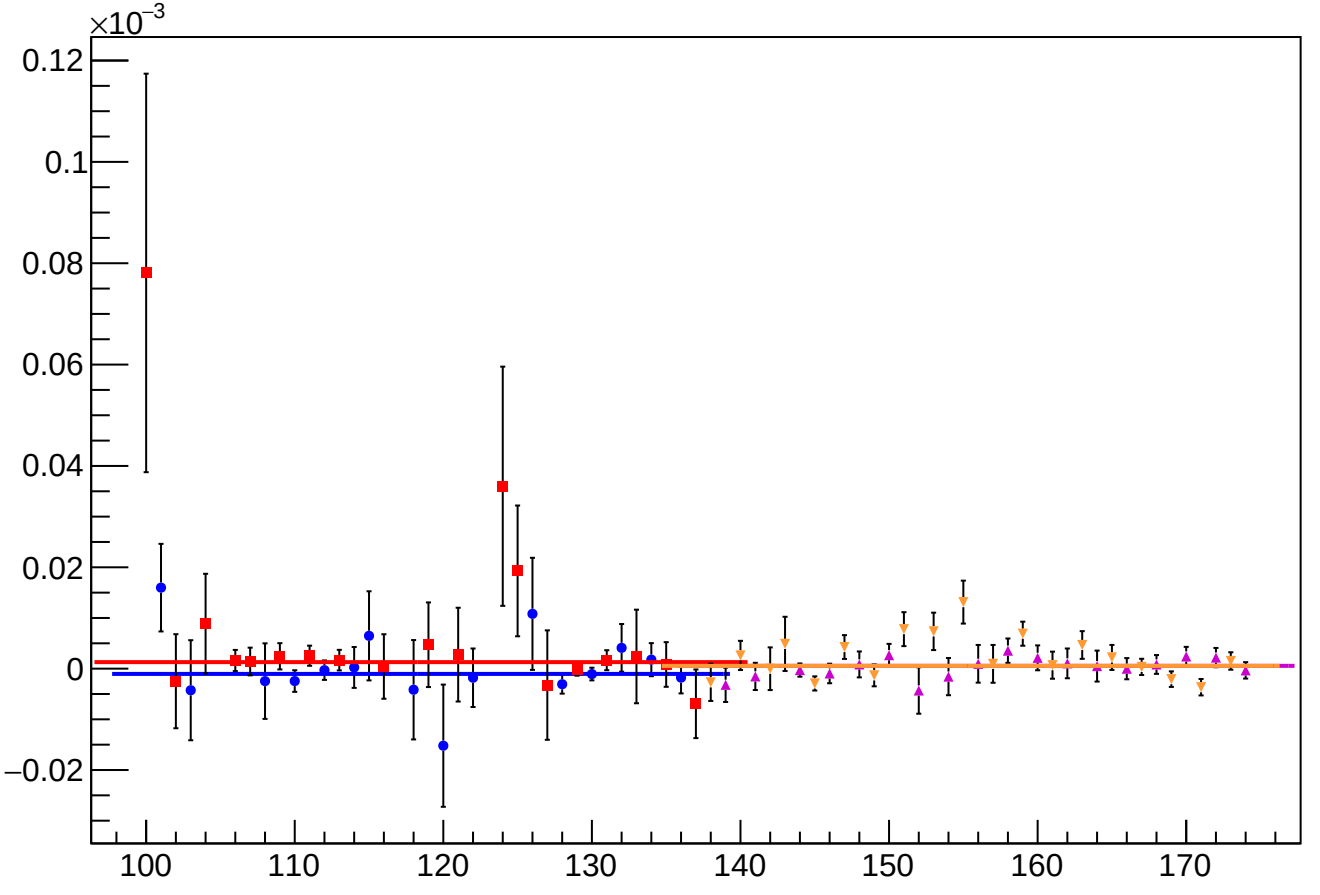
Left In: 23.824+/-0.006 χ^2/NDF:7483159.4/17

+ sign 30.049+/-0.006 χ^2/NDF: 11777359.7/34

All: 28.553+/-0.004 χ^2/NDF: 25130089.6/71

- 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:48.2/18

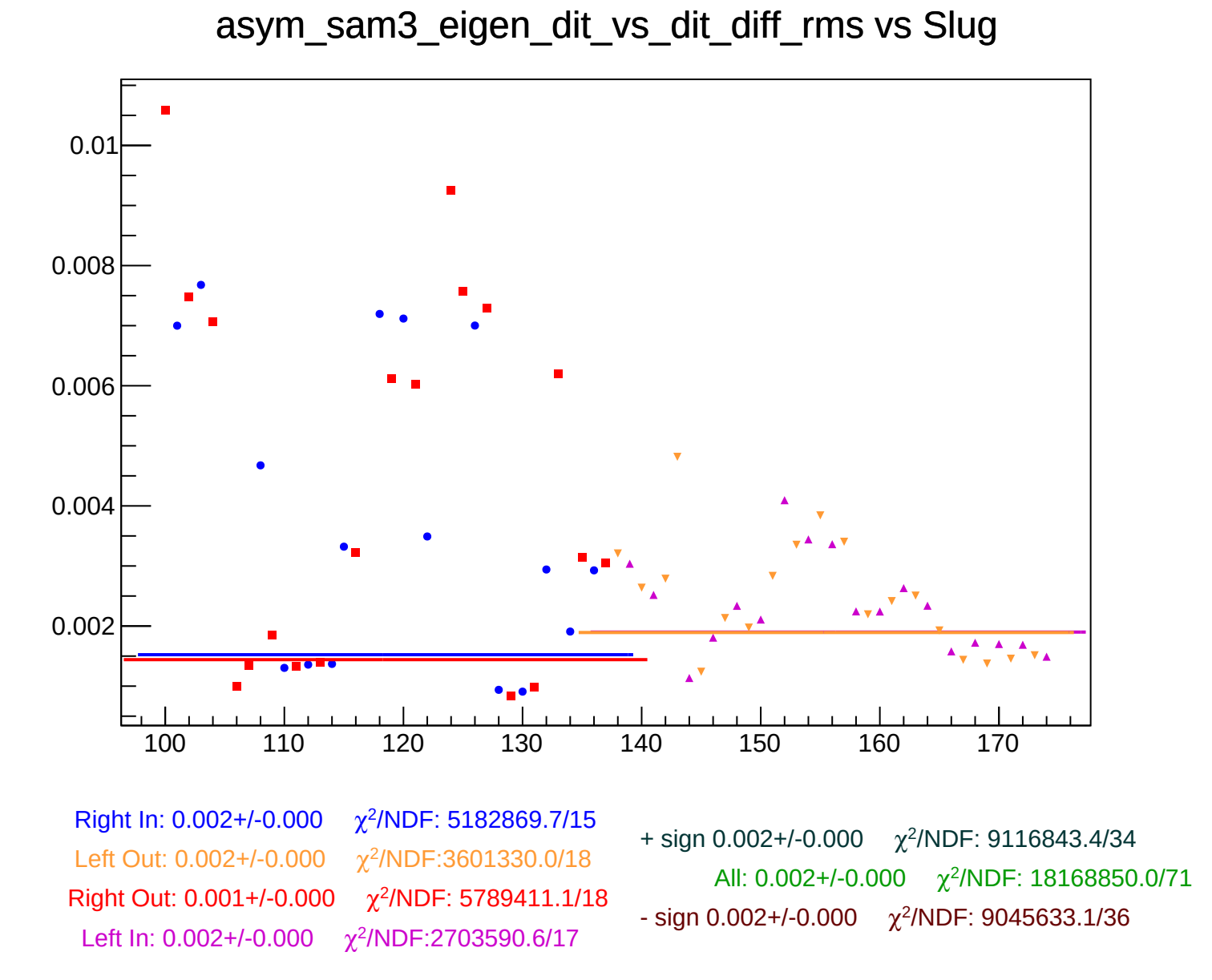
Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/17

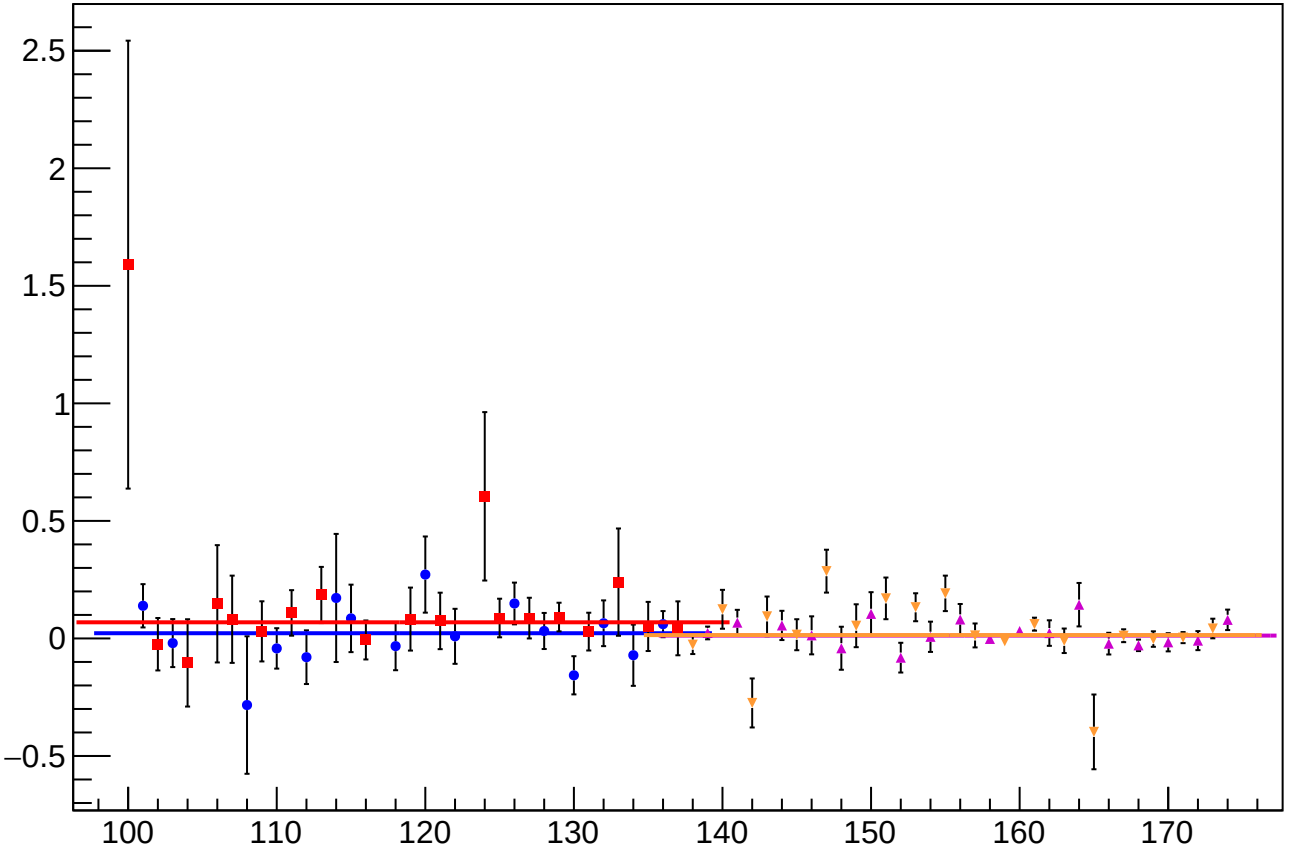
+ sign 0.000+/-0.000 χ^2/NDF: 62.5/34

All: 0.000+/-0.000 χ^2/NDF: 86.7/71

- sign 0.000+/-0.000 χ^2/NDF: 22.4/36


asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 5182869.7/15
Left Out: 0.002+/-0.000 χ²/NDF:3601330.0/18
Right Out: 0.001+/-0.000 χ²/NDF: 5789411.1/18
Left In: 0.002+/-0.000 χ²/NDF:2703590.6/17
+ sign 0.002+/-0.000 χ²/NDF: 9116843.4/34
All: 0.002+/-0.000 χ²/NDF: 18168850.0/71
- sign 0.002+/-0.000 χ²/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: 0.014+/-0.009 χ^2/NDF:46.6/18

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

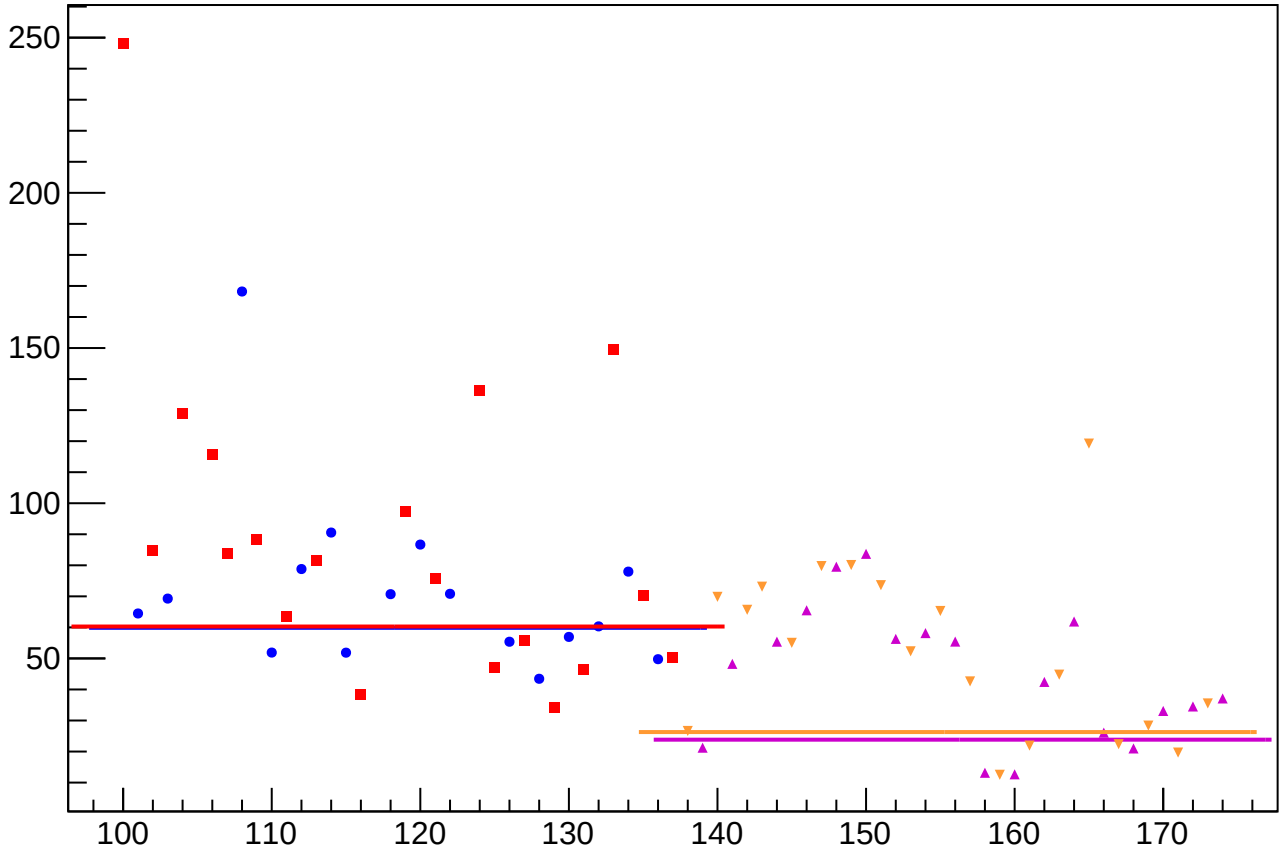
Left In: 0.012+/-0.008 χ^2/NDF:17.2/17

+ sign 0.015+/-0.008 χ^2/NDF: 62.2/34

All: 0.016+/-0.006 χ^2/NDF: 93.6/71

- 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: 26.279+/-0.006 χ^2/NDF:7789320.2/18

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

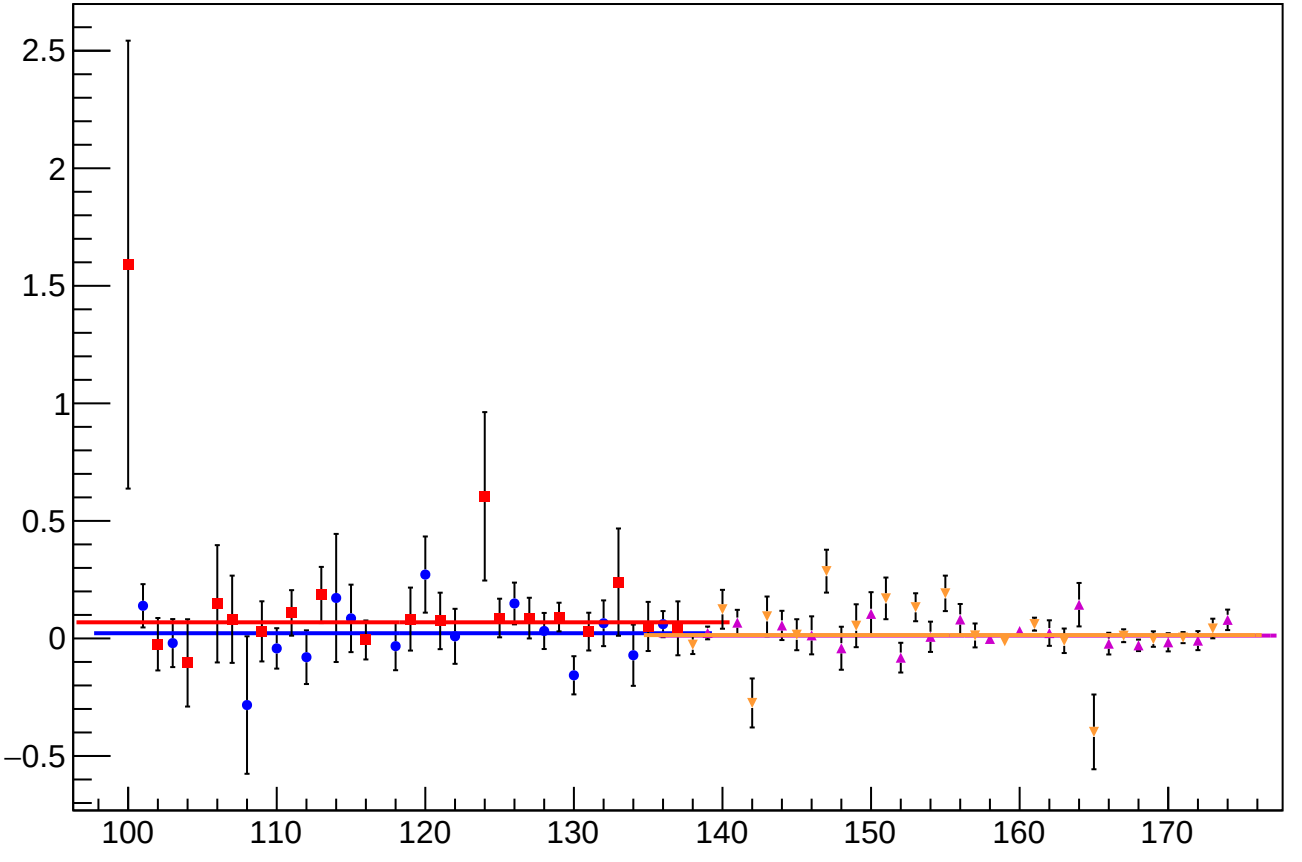
Left In: 23.824+/-0.006 χ^2/NDF:7483599.2/17

+ sign 30.047+/-0.006 χ^2/NDF: 11778654.5/34

All: 28.553+/-0.004 χ^2/NDF: 25131930.2/71

- 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: 0.014+/-0.009 χ^2/NDF:46.6/18

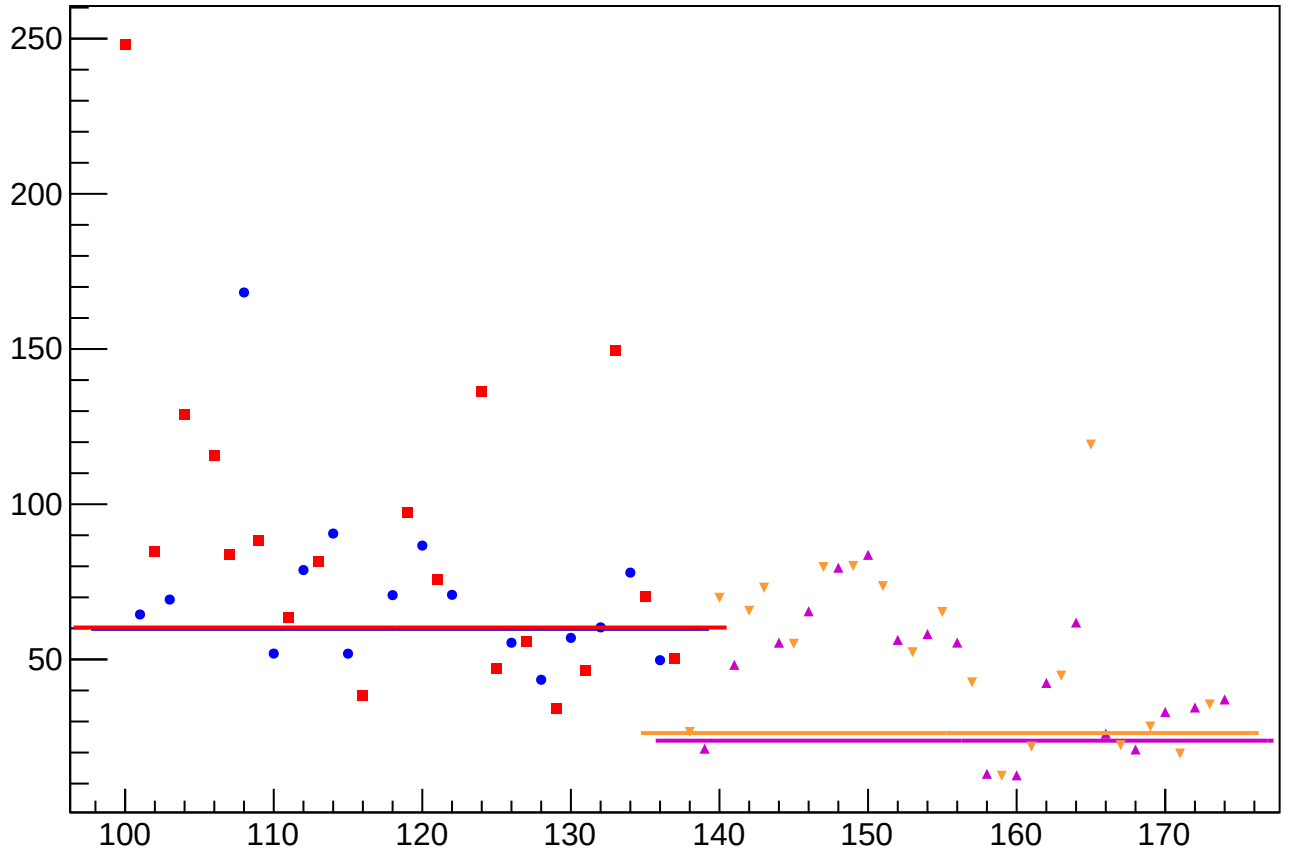
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.012+/-0.008 χ^2/NDF:17.2/17

+ sign 0.015+/-0.008 χ^2/NDF: 62.2/34

All: 0.016+/-0.006 χ^2/NDF: 93.6/71

- 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: 26.279+/-0.006 χ^2/NDF:7789320.2/18

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

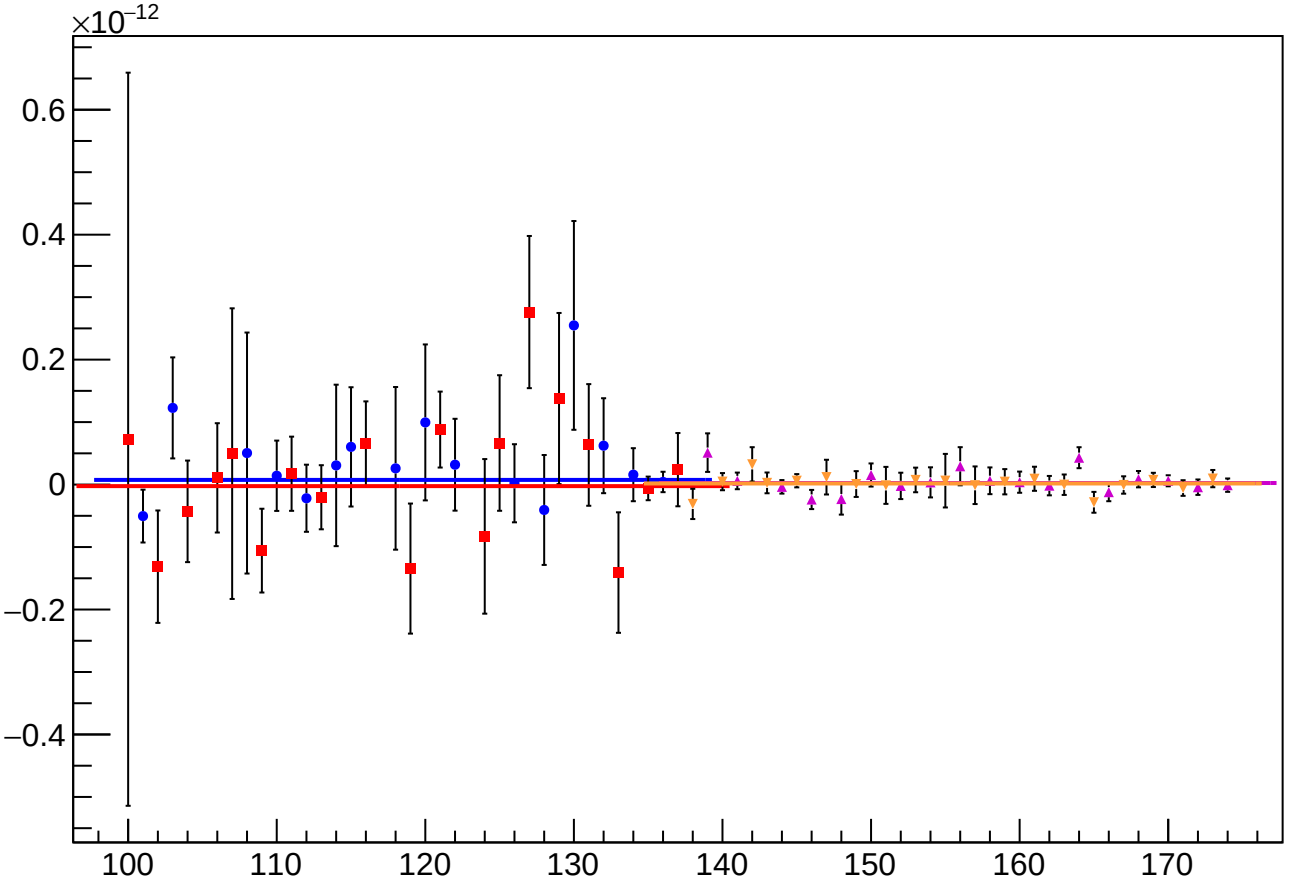
Left In: 23.824+/-0.006 χ^2/NDF:7483599.2/17

+ sign 30.047+/-0.006 χ^2/NDF: 11778654.5/34

All: 28.553+/-0.004 χ^2/NDF: 25131930.2/71

- 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:7.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

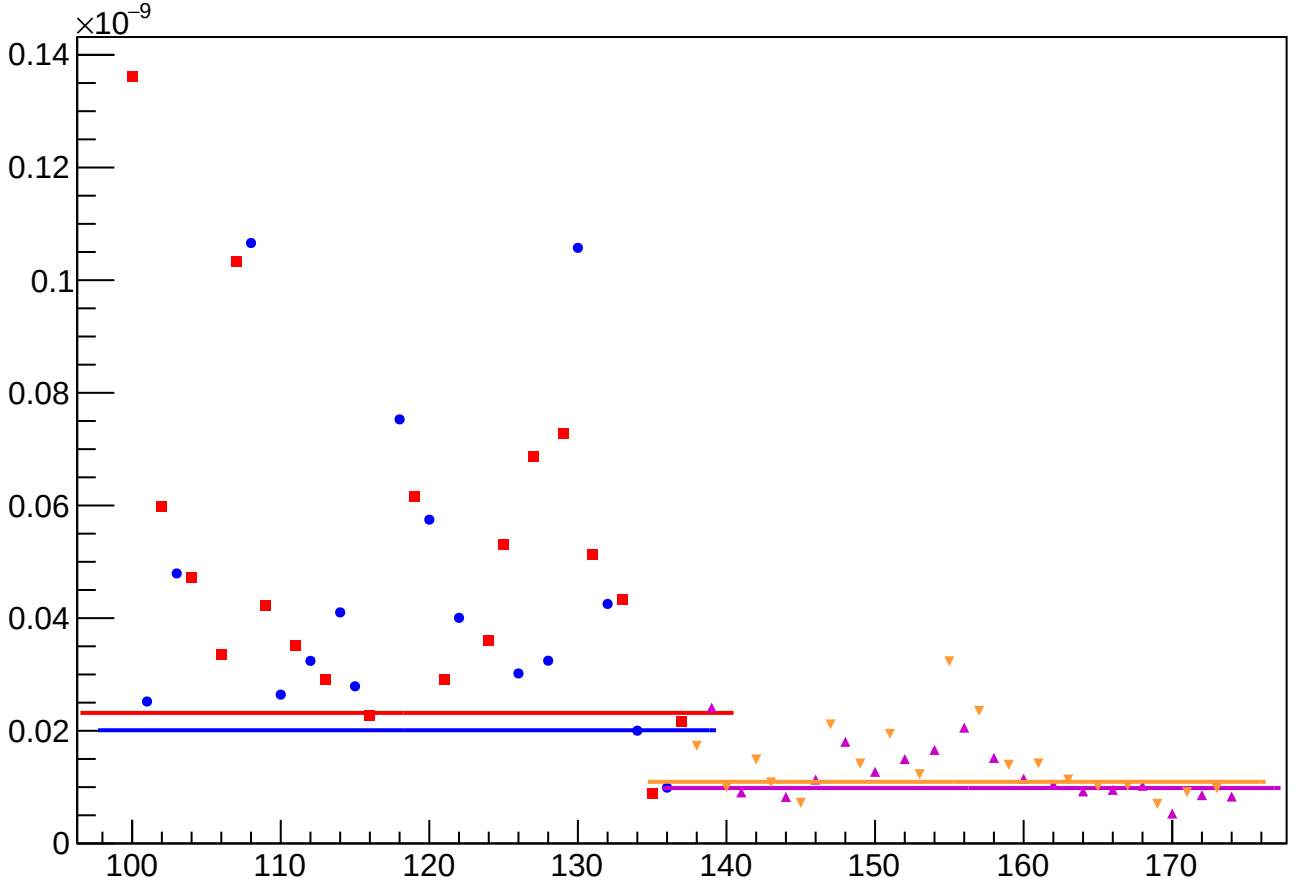
Left In: 0.000+/-0.000 χ^2/NDF:15.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 16.5/34

All: 0.000+/-0.000 χ^2/NDF: 52.2/71

- 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:2184542.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

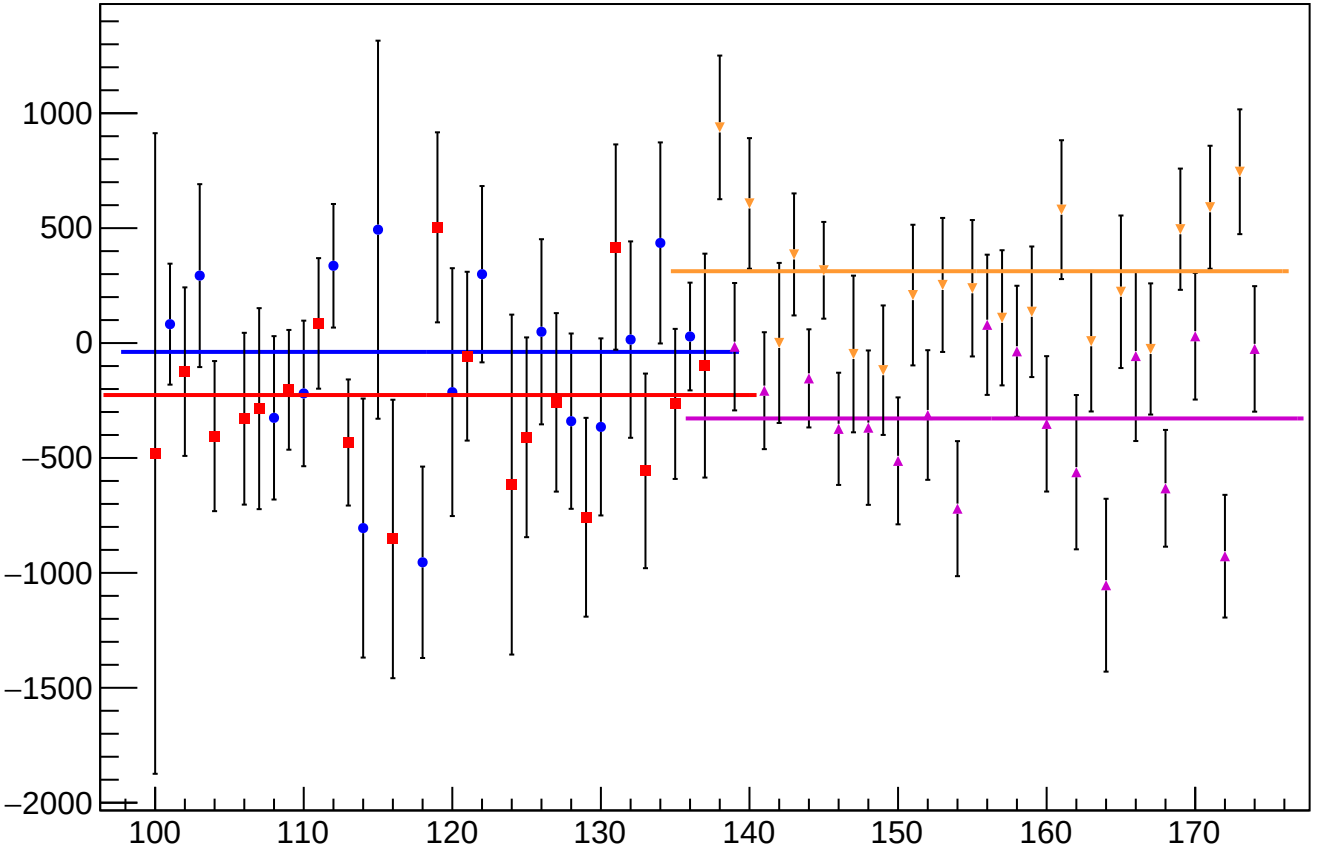
Left In: 0.000+/-0.000 χ^2/NDF:2025000.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 6337512.0/34

All: 0.000+/-0.000 χ^2/NDF: 13815512.4/71

- 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: 312.620+/-65.722 χ^2/NDF:17.9/18

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

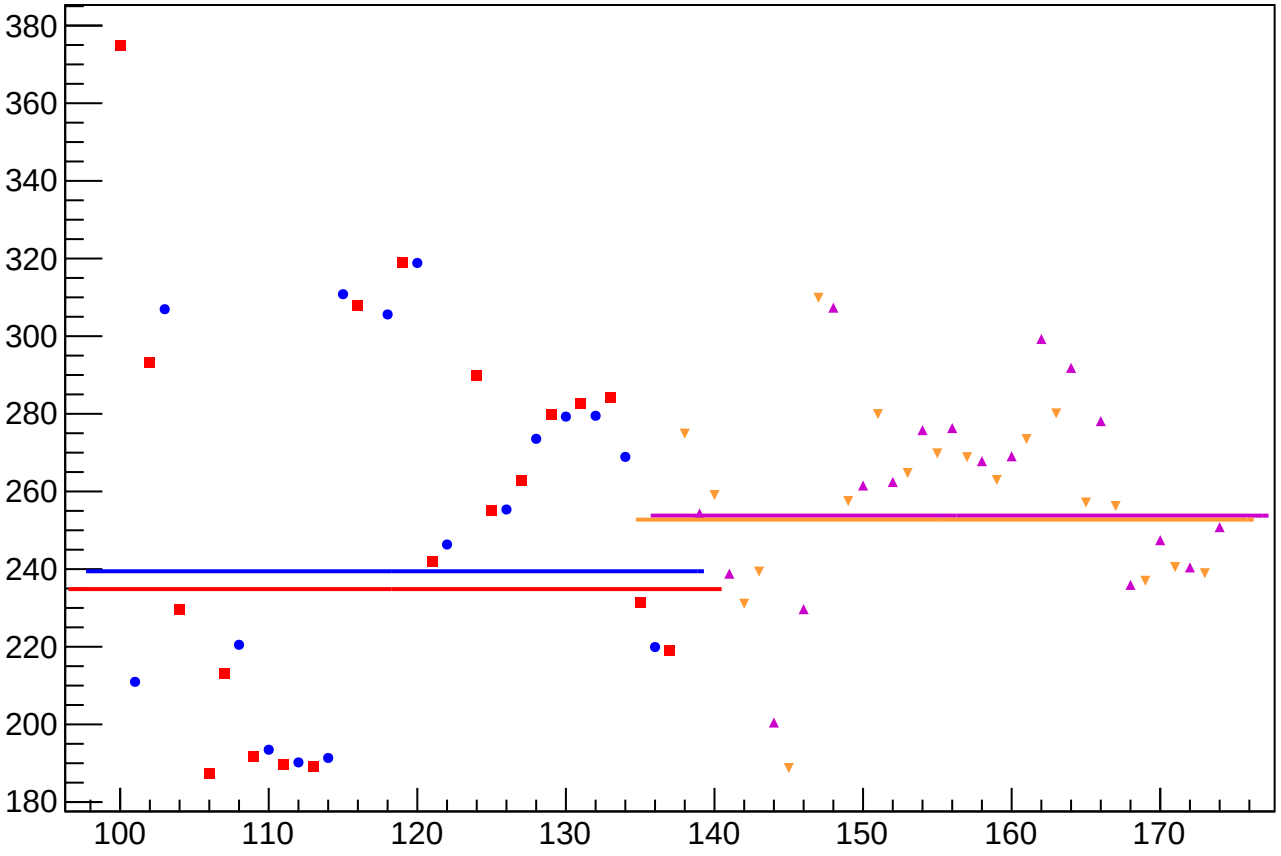
Left In: -328.046+/-66.337 χ^2/NDF:21.4/17

+ sign 191.592+/-53.203 χ^2/NDF: 42.2/34

All: -50.885+/-37.531 χ^2/NDF: 117.2/71

- 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: 252.743+/-0.046 χ^2/NDF:342461.8/18

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

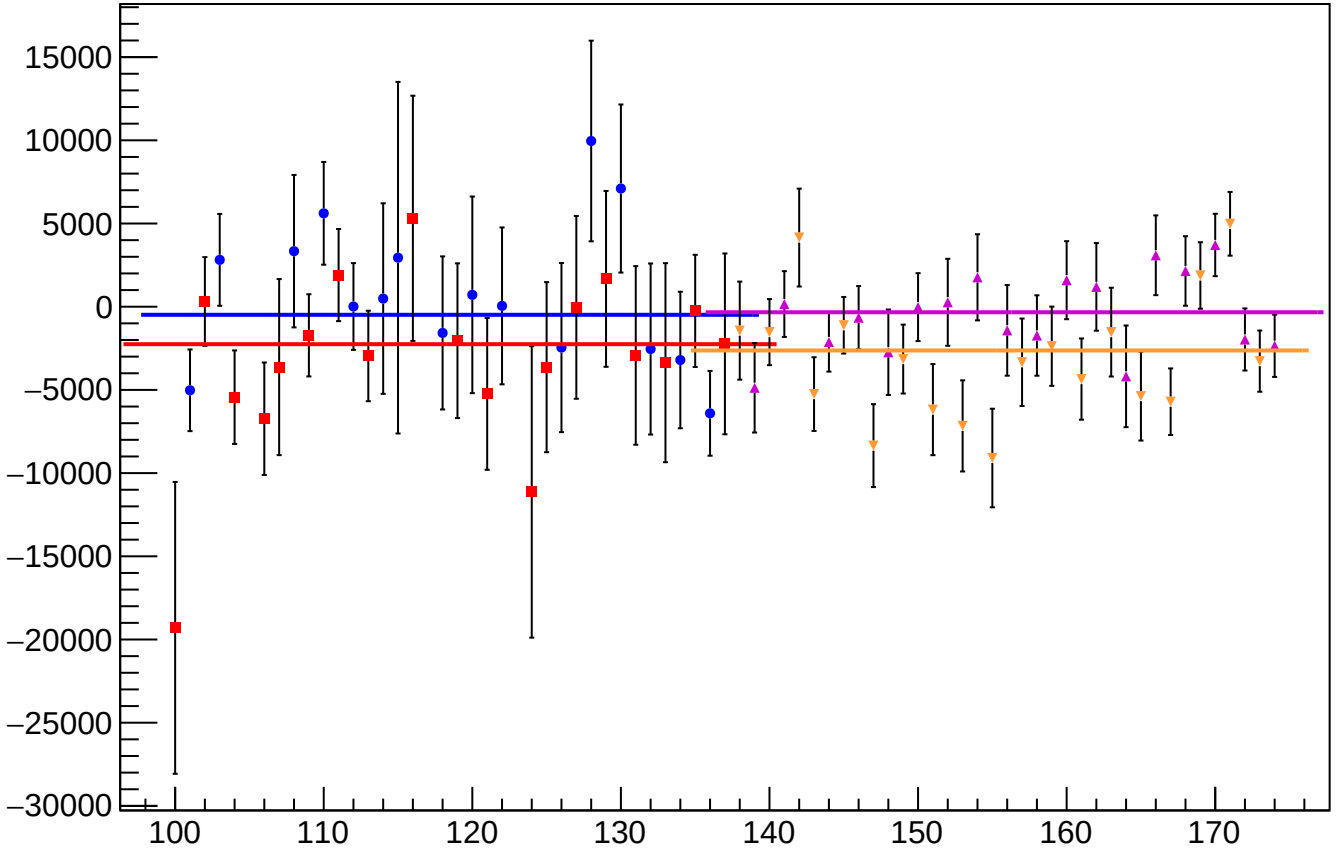
Left In: 253.776+/-0.047 χ^2/NDF:319733.6/17

+ sign 248.161+/-0.038 χ^2/NDF: 771625.7/34

All: 247.533+/-0.027 χ^2/NDF: 1632668.3/71

- 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: -2628.452+/-523.607 χ^2/NDF:47.7/18

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

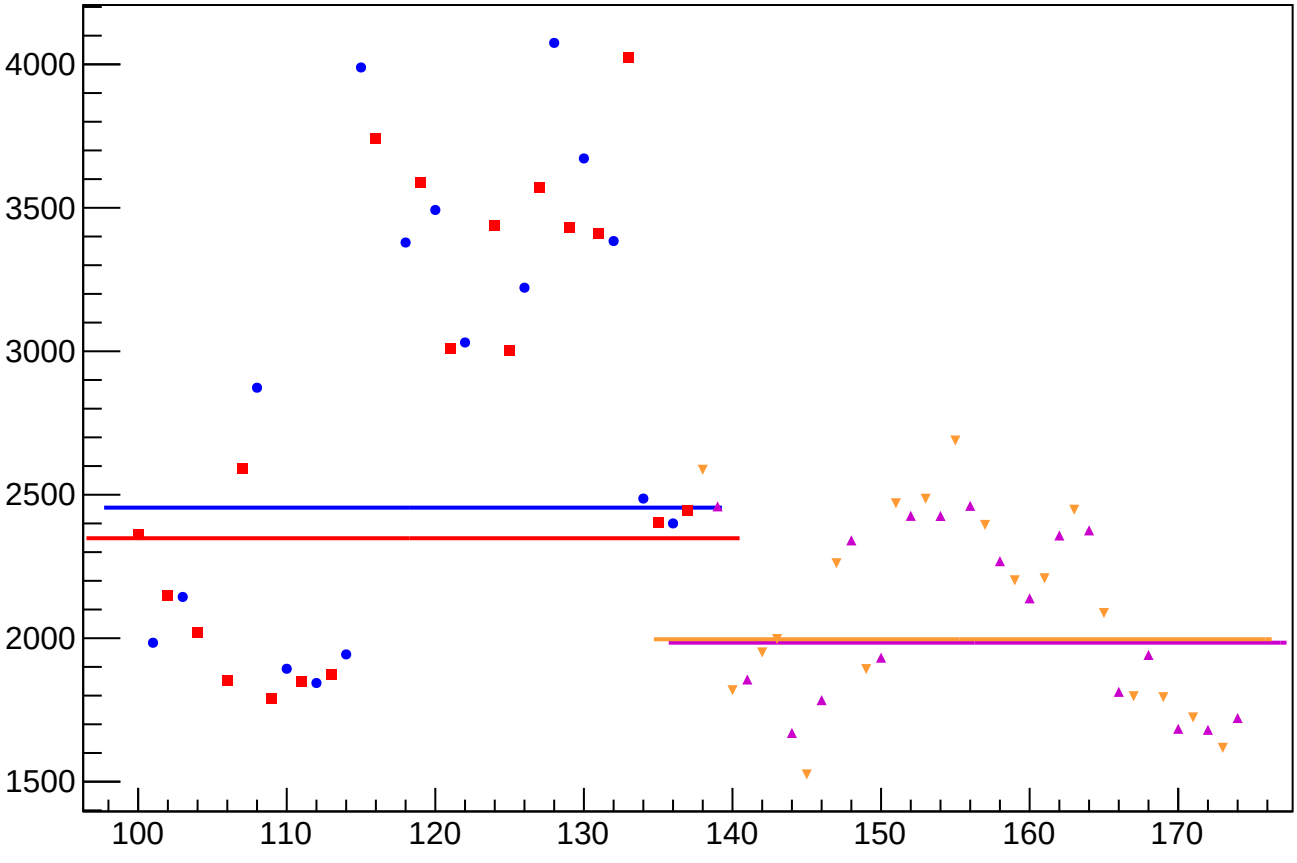
Left In: -333.686+/-521.710 χ^2/NDF:18.7/17

\+ sign -2127.189+/-458.280 χ^2/NDF: 72.7/34

All: -1463.005+/-321.310 χ^2/NDF: 112.9/71

\- 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: 1996.338+/-0.370 χ^2/NDF:812252.7/18

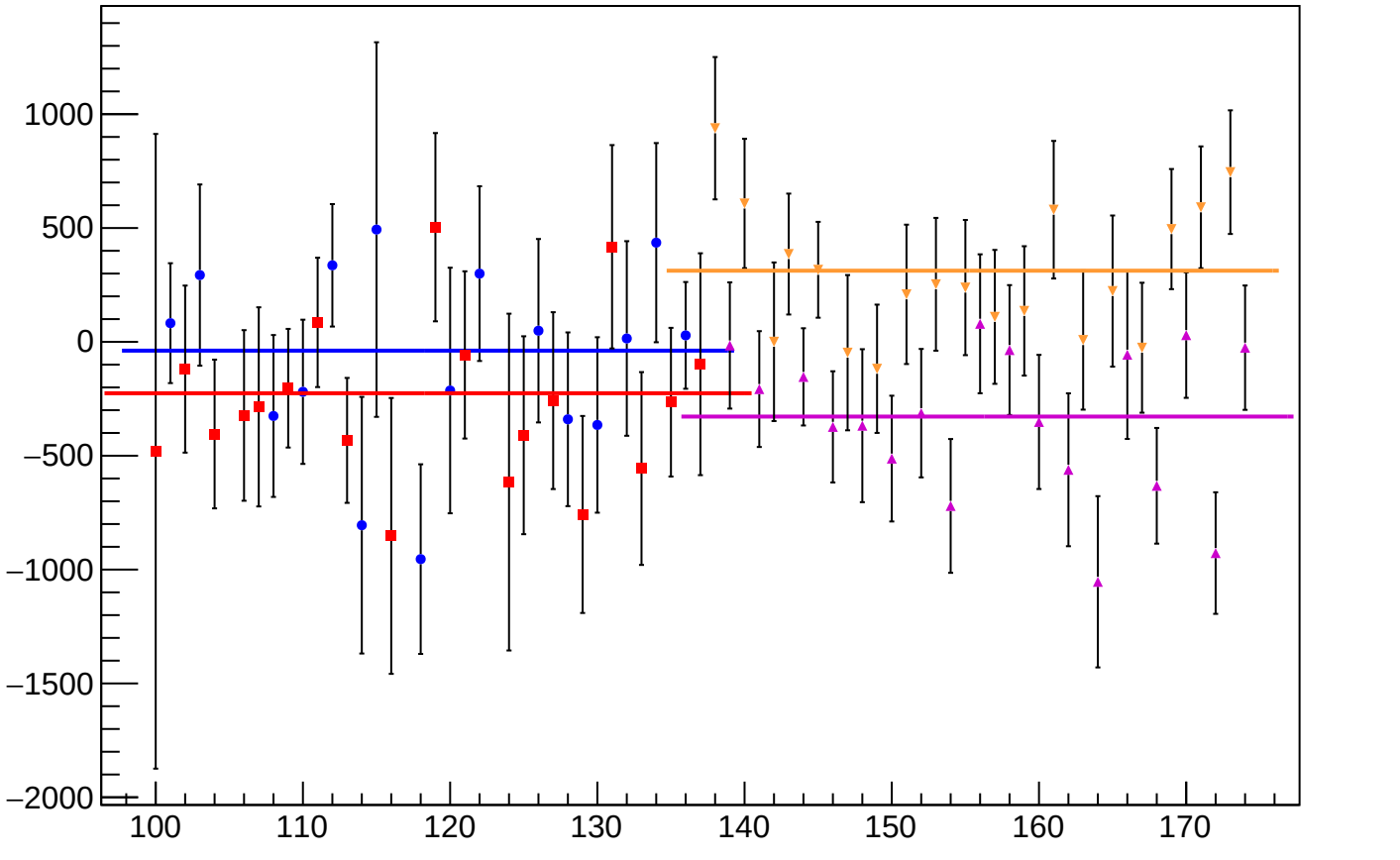
Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1984.417+/-0.369 χ^2/NDF:636282.3/17

+ sign 2103.671+/-0.324 χ^2/NDF: 2065845.6/34

All: 2090.043+/-0.227 χ^2/NDF: 4005325.7/71

- 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: 312.626+/-65.722 χ^2/NDF:17.9/18

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

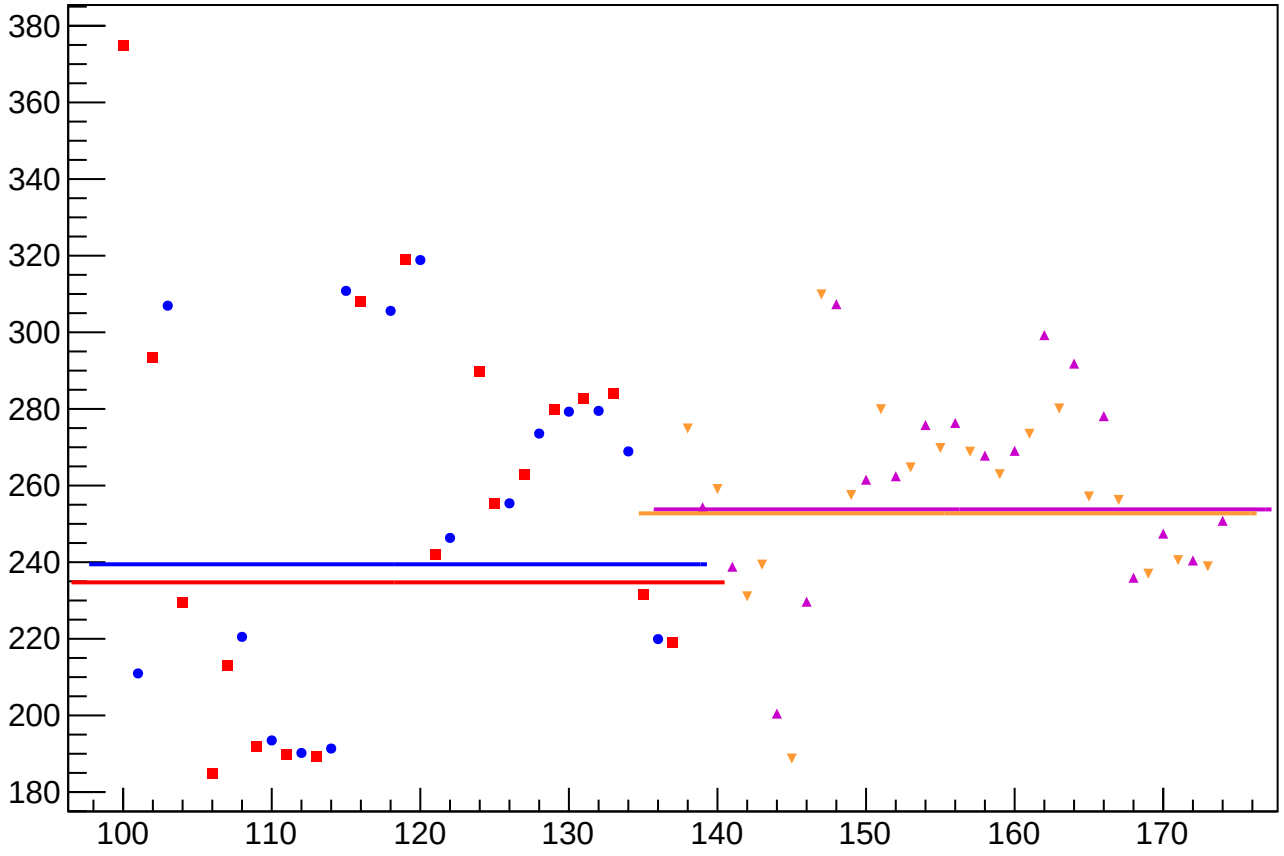
Left In: -328.045+/-66.337 χ^2/NDF:21.4/17

+ sign 191.589+/-53.203 χ^2/NDF: 42.2/34

All: -50.757+/-37.532 χ^2/NDF: 117.2/71

- 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: 252.743+/-0.046 χ^2/NDF:342461.8/18

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

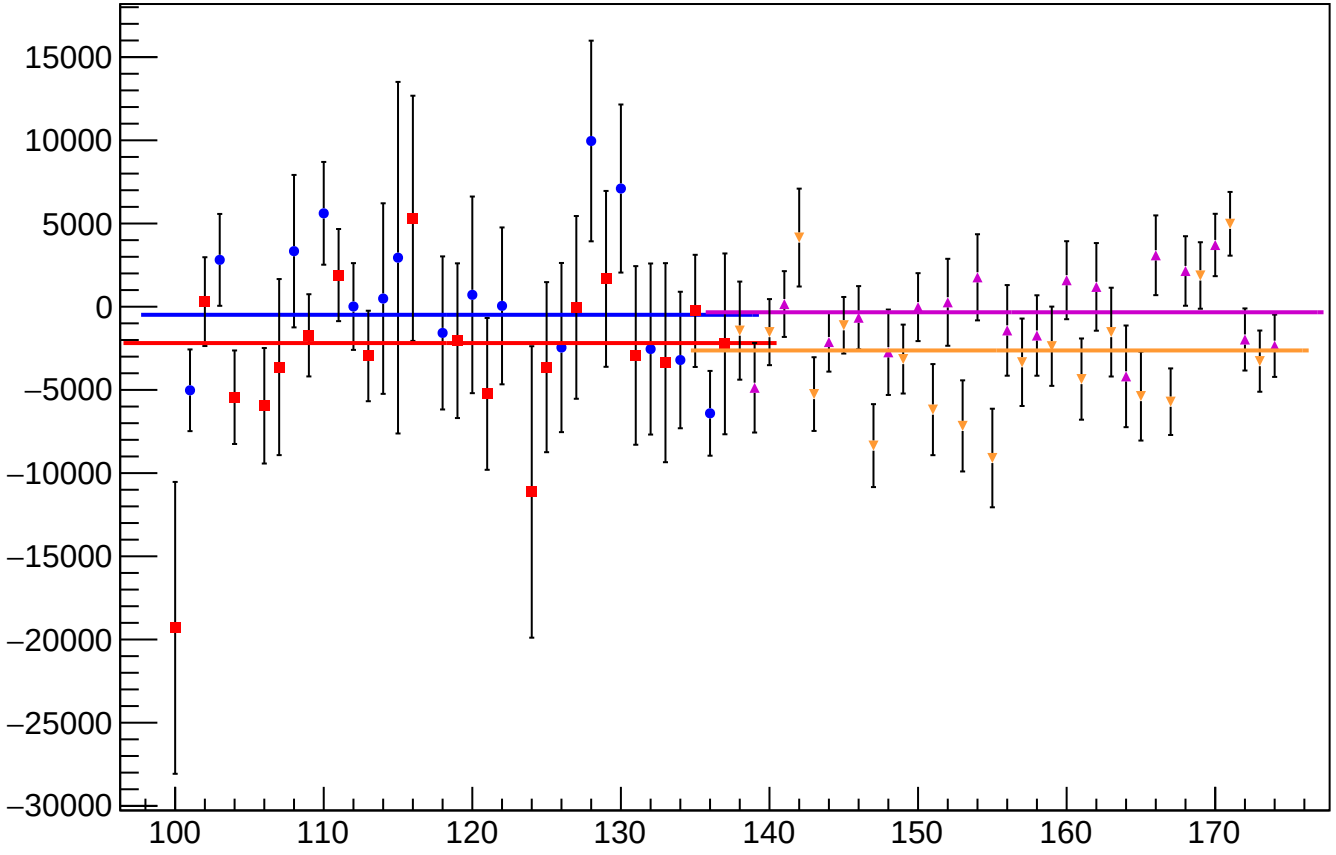
Left In: 253.776+/-0.047 χ^2/NDF:319733.6/17

+ sign 248.161+/-0.038 χ^2/NDF: 771627.9/34

All: 247.511+/-0.027 χ^2/NDF: 1636982.3/71

- 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: -2628.447+/-523.607 χ^2/NDF:47.7/18

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

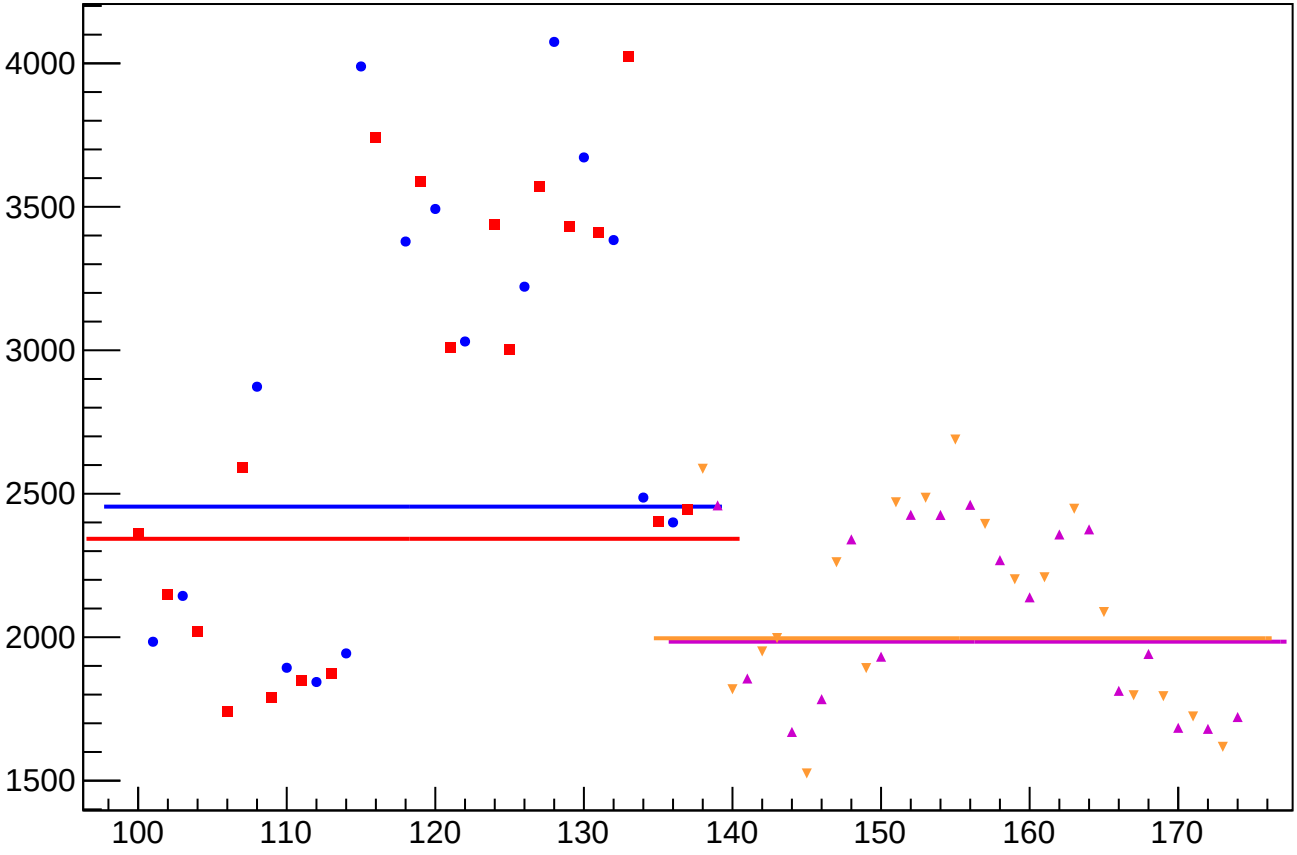
Left In: -333.698+/-521.710 χ^2/NDF:18.7/17

+ sign -2127.232+/-458.281 χ^2/NDF: 72.7/34

All: -1454.014+/-321.388 χ^2/NDF: 112.1/71

- 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: 1996.338+/-0.370 χ^2/NDF:812253.1/18

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

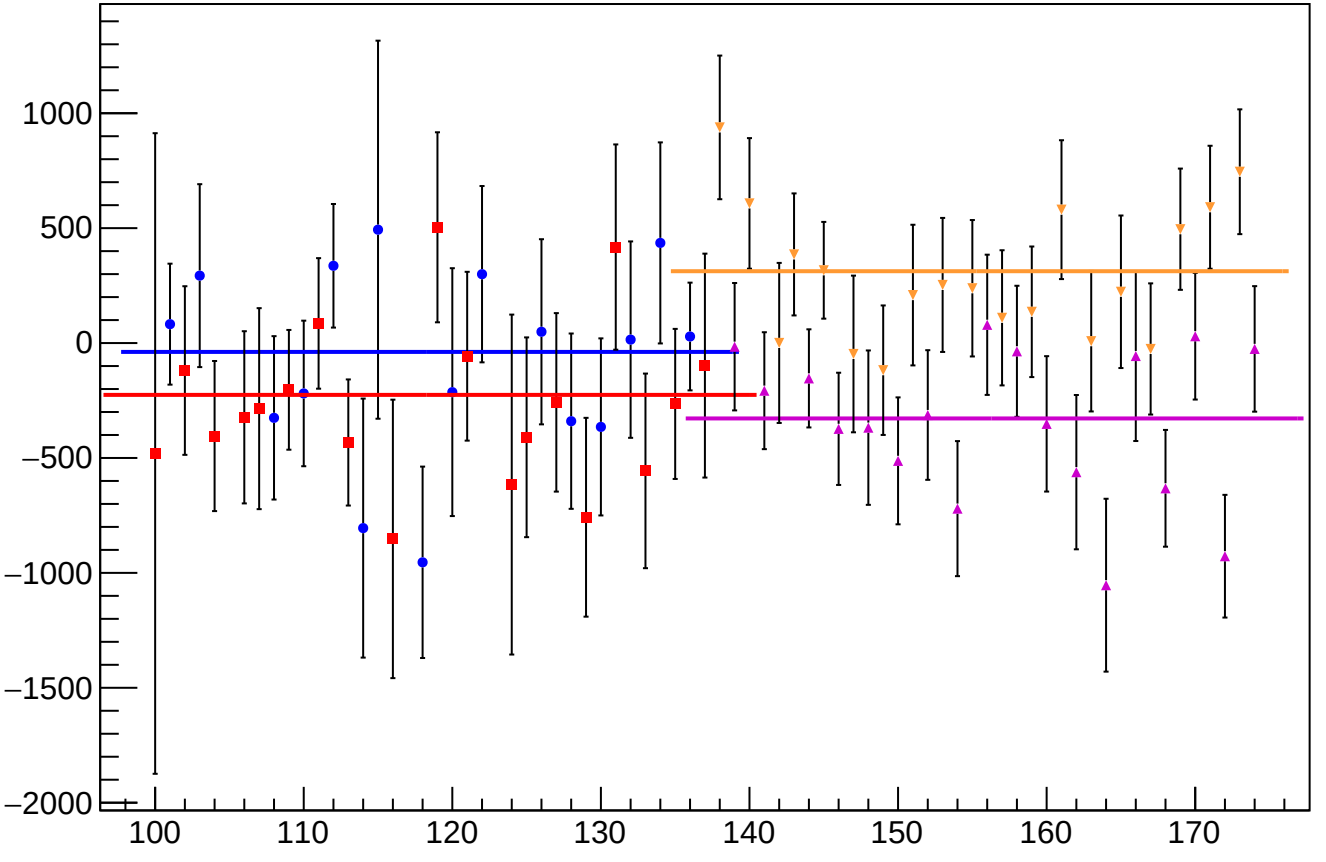
Left In: 1984.417+/-0.369 χ^2/NDF:636282.5/17

+ sign 2103.675+/-0.324 χ^2/NDF: 2065848.1/34

All: 2089.213+/-0.227 χ^2/NDF: 4015655.6/71

- sign 2075.217+/-0.319 χ^2/NDF: 1945888.1/36

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 312.626+/-65.722 χ^2/NDF:17.9/18

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

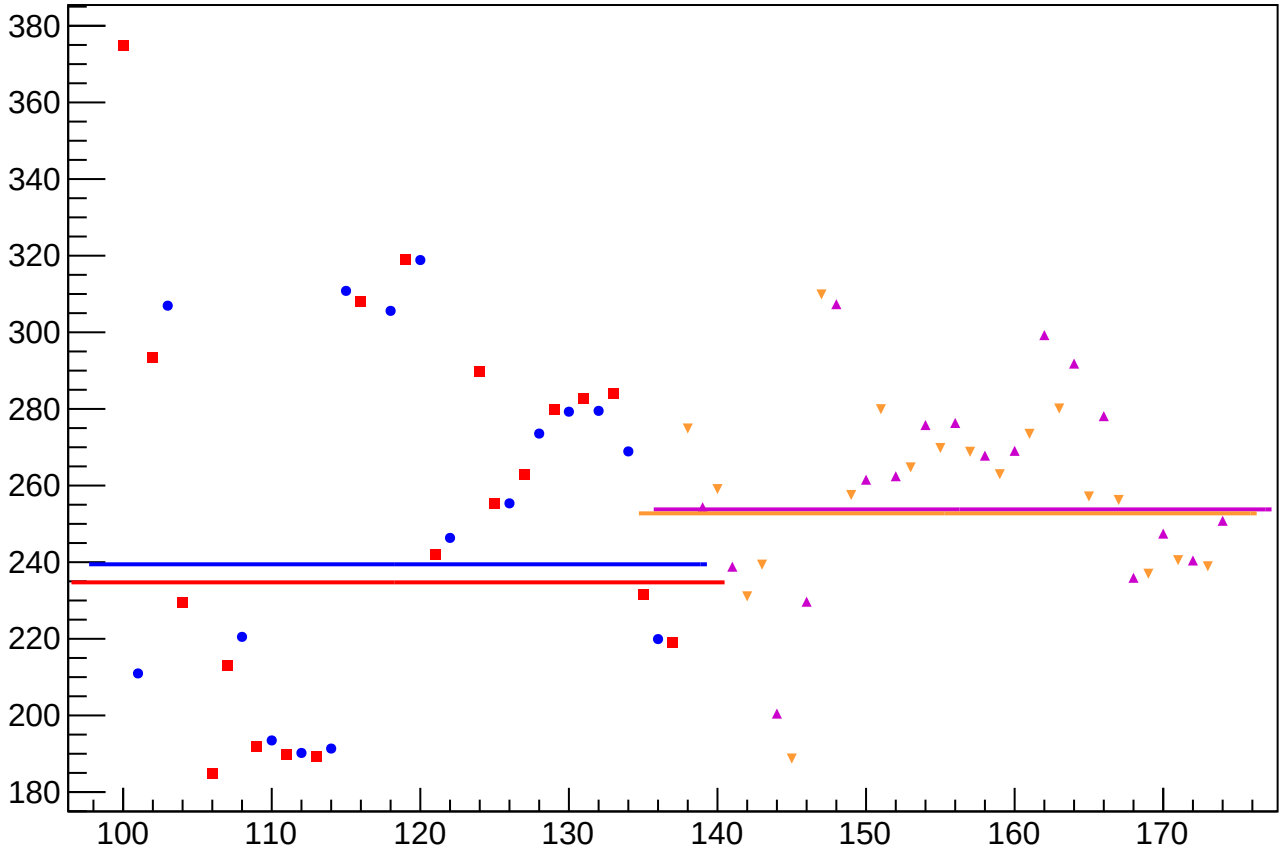
Left In: -328.045+/-66.337 χ^2/NDF:21.4/17

+ sign 191.589+/-53.203 χ^2/NDF: 42.2/34

All: -50.757+/-37.532 χ^2/NDF: 117.2/71

- 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: 252.743+/-0.046 χ^2/NDF:342461.8/18

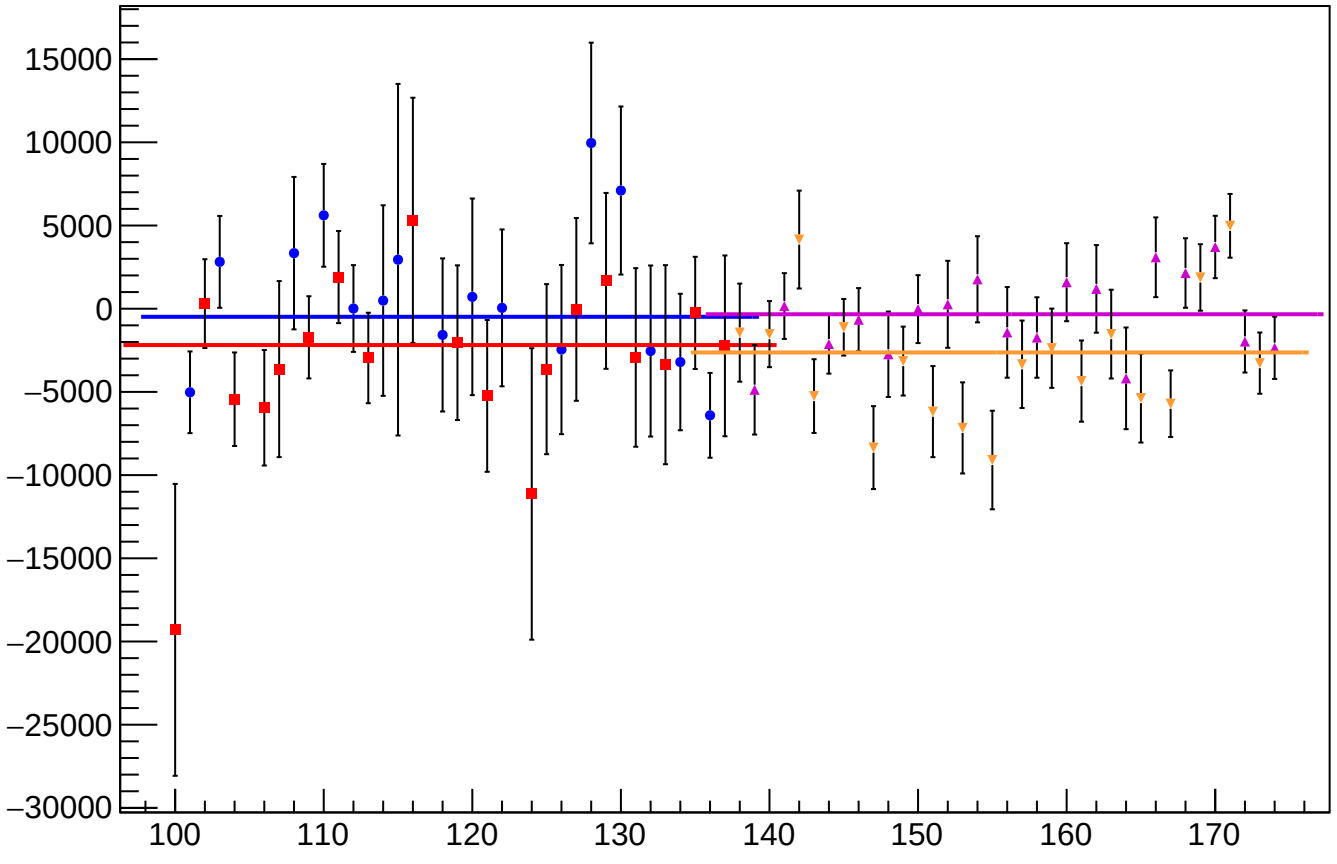
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 253.776+/-0.047 χ^2/NDF:319733.6/17

+ sign 248.161+/-0.038 χ^2/NDF: 771627.9/34

All: 247.511+/-0.027 χ^2/NDF: 1636982.3/71

- 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: -2628.447+/-523.607 χ^2/NDF:47.7/18

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

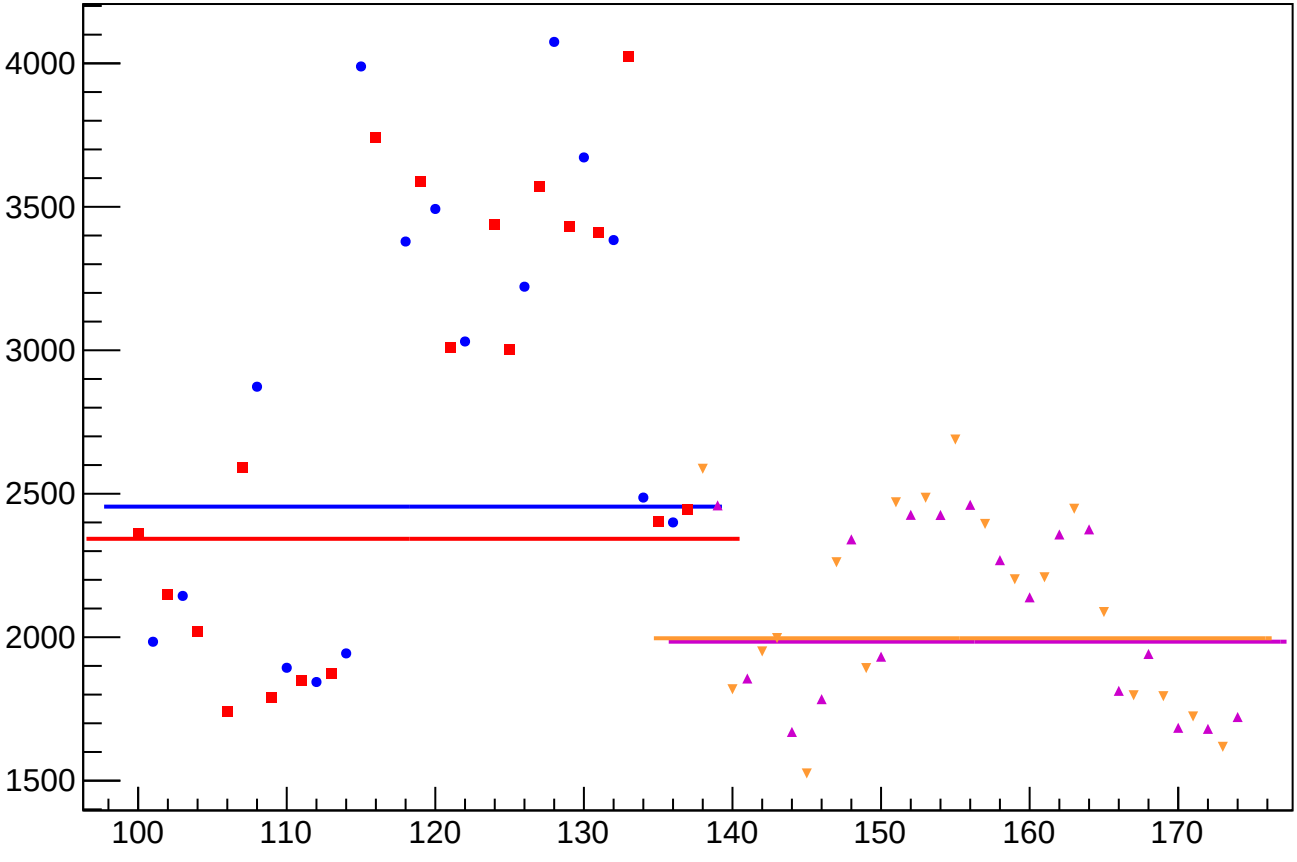
Left In: -333.698+/-521.710 χ^2/NDF:18.7/17

+ sign -2127.232+/-458.281 χ^2/NDF: 72.7/34

All: -1454.014+/-321.388 χ^2/NDF: 112.1/71

- 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: 1996.338+/-0.370 χ^2/NDF:812253.1/18

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

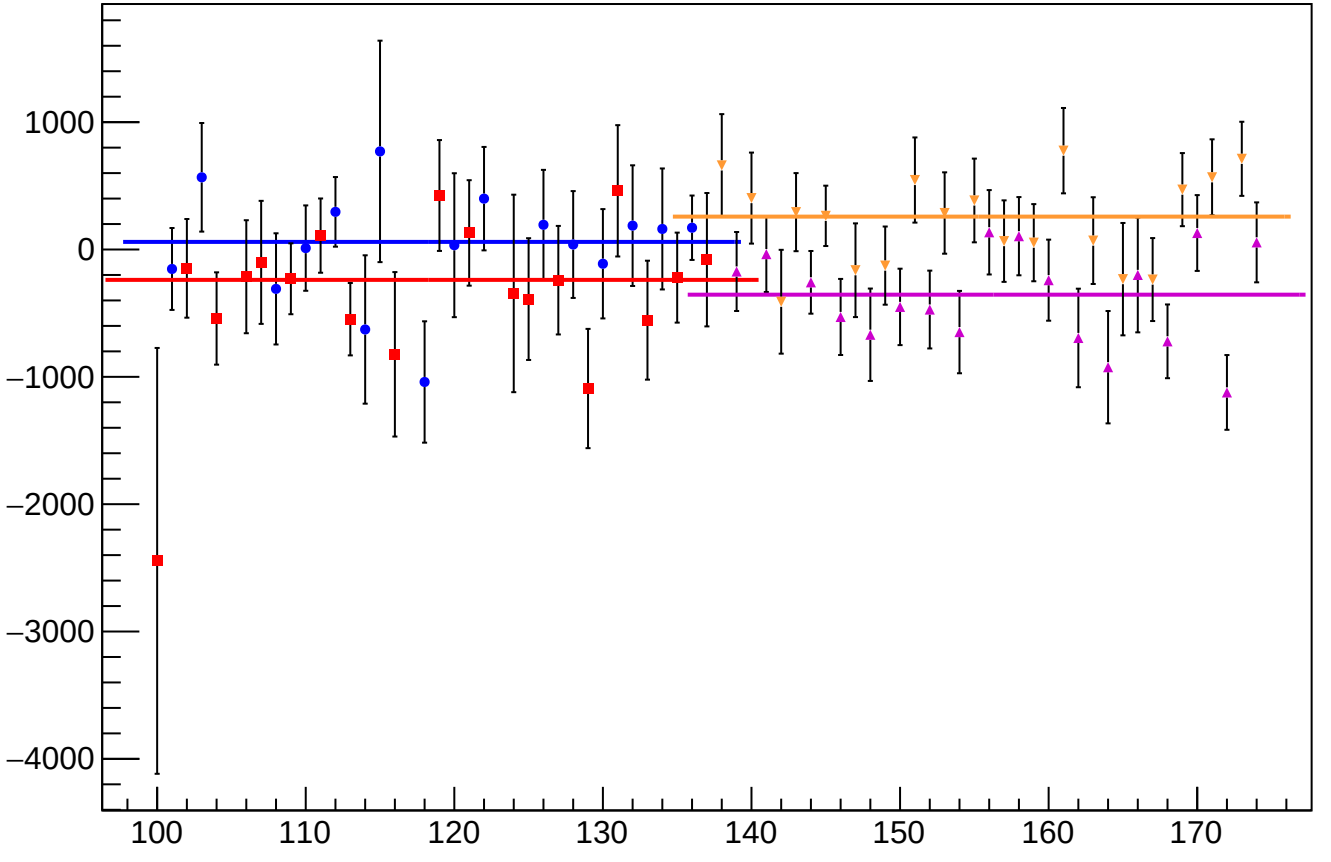
Left In: 1984.417+/-0.369 χ^2/NDF:636282.5/17

+ sign 2103.675+/-0.324 χ^2/NDF: 2065848.1/34

All: 2089.213+/-0.227 χ^2/NDF: 4015655.6/71

- 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: 258.302+/-74.050 χ^2/NDF:18.7/18

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

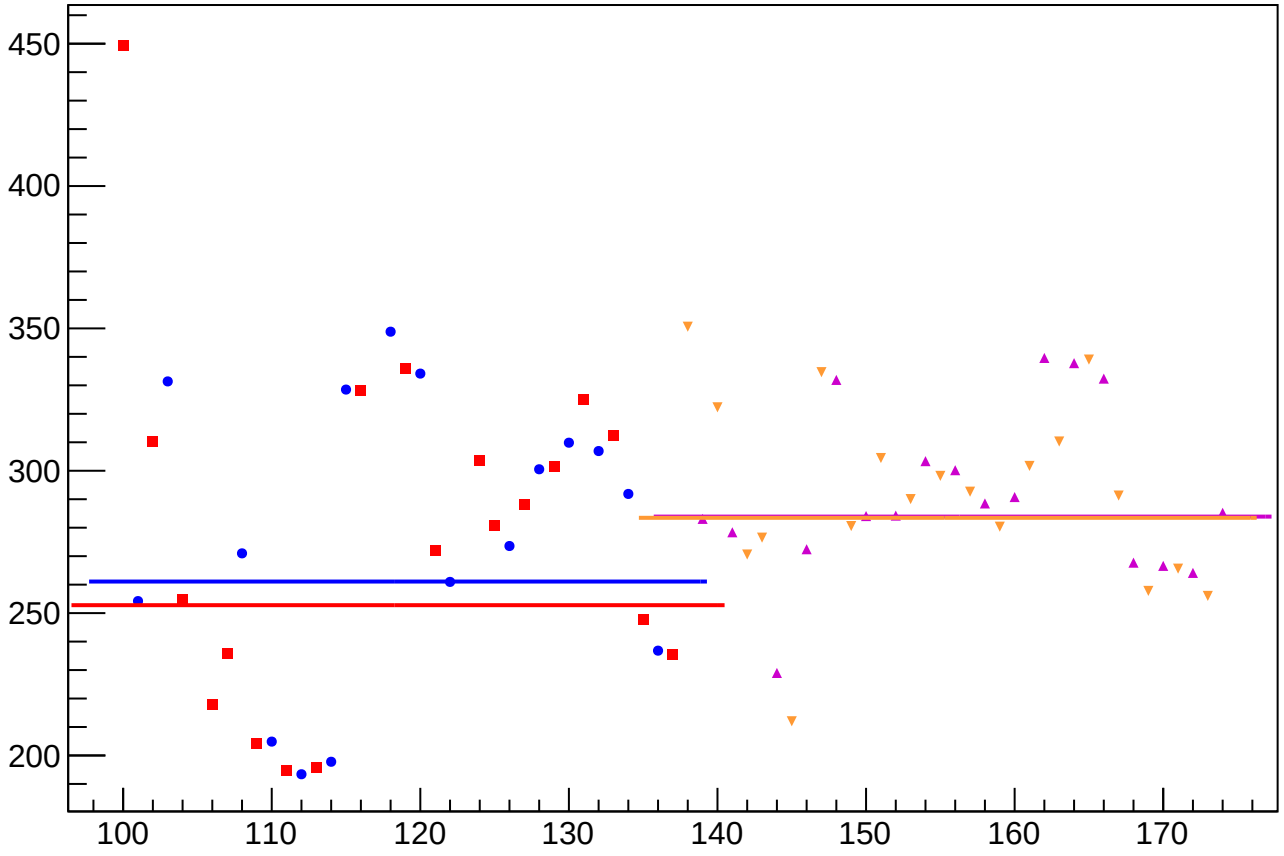
Left In: -354.751+/-74.605 χ^2/NDF:23.7/17

+ sign 187.273+/-59.347 χ^2/NDF: 33.3/34

All: -64.359+/-41.730 χ^2/NDF: 108.5/71

- 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: 283.474+/-0.052 χ^2/NDF:409626.4/18

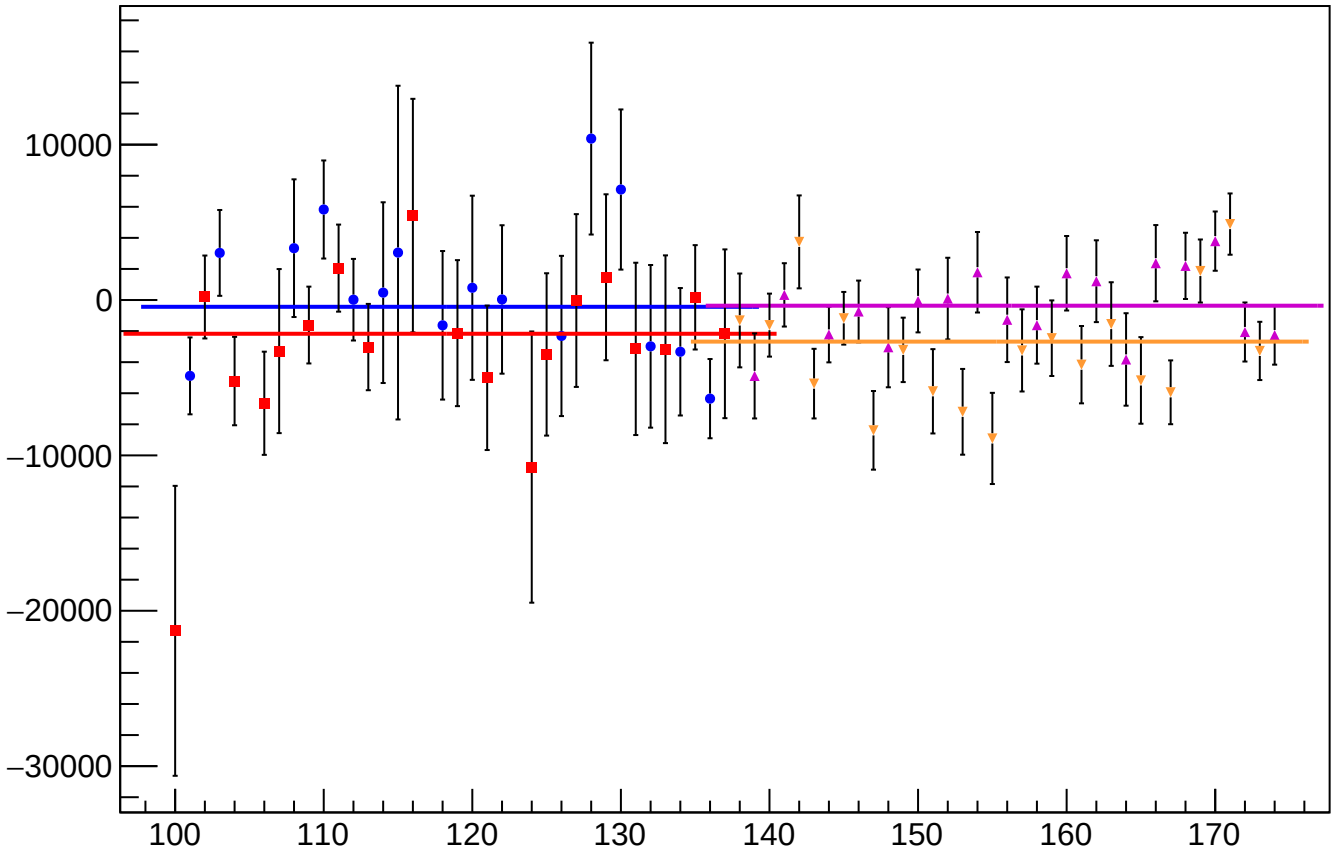
Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 283.898+/-0.053 χ^2/NDF:268234.8/17

+ sign 275.467+/-0.042 χ^2/NDF: 937663.4/34

All: 273.734+/-0.030 χ^2/NDF: 1879122.1/71

- sign 272.040+/-0.041 χ^2/NDF: 938086.6/36



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2677.124+/-531.006 χ^2/NDF:44.8/18

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

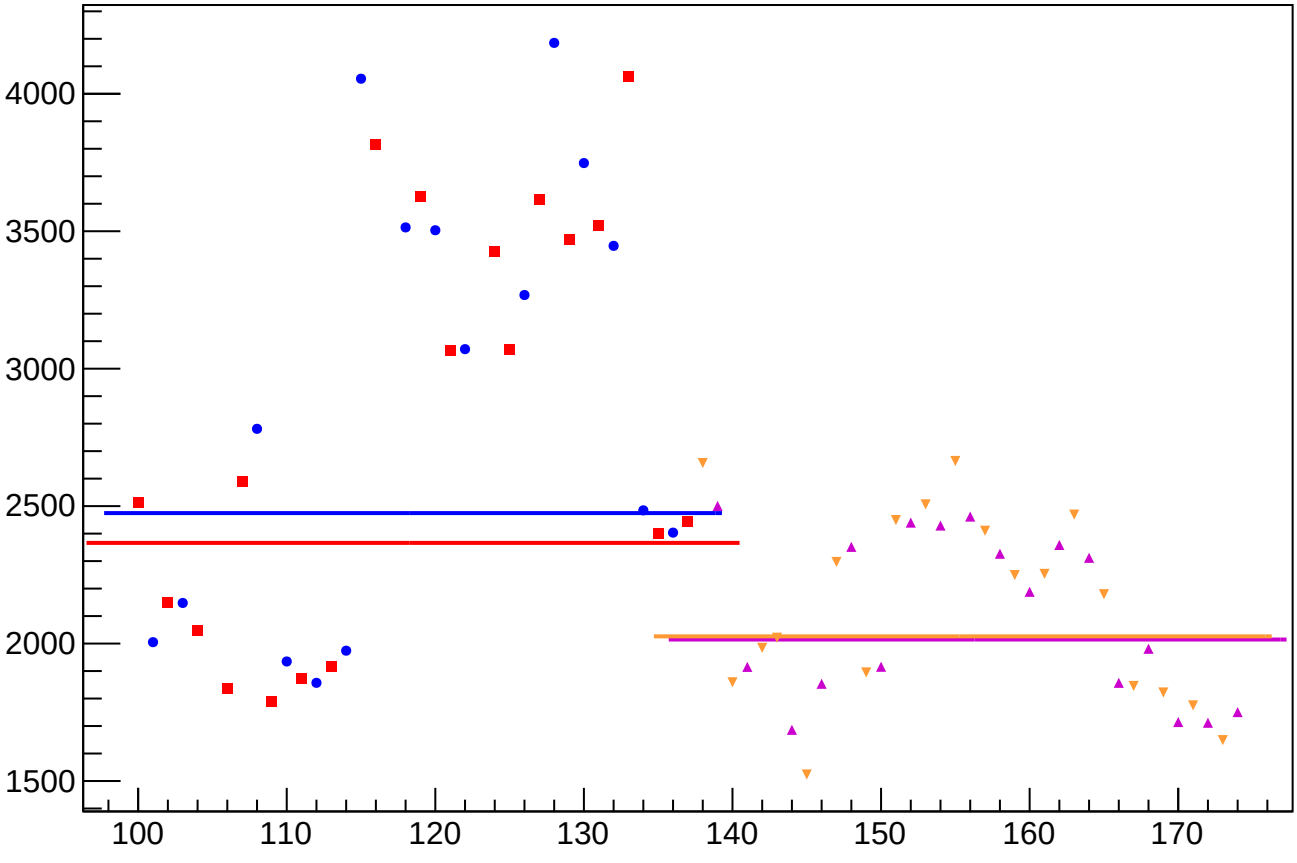
Left In: -365.977+/-529.317 χ^2/NDF:17.8/17

+ sign -2148.158+/-464.105 χ^2/NDF: 70.2/34

All: -1477.696+/-325.414 χ^2/NDF: 109.1/71

- 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: 2026.211+/-0.375 χ^2/NDF:796745.4/18

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

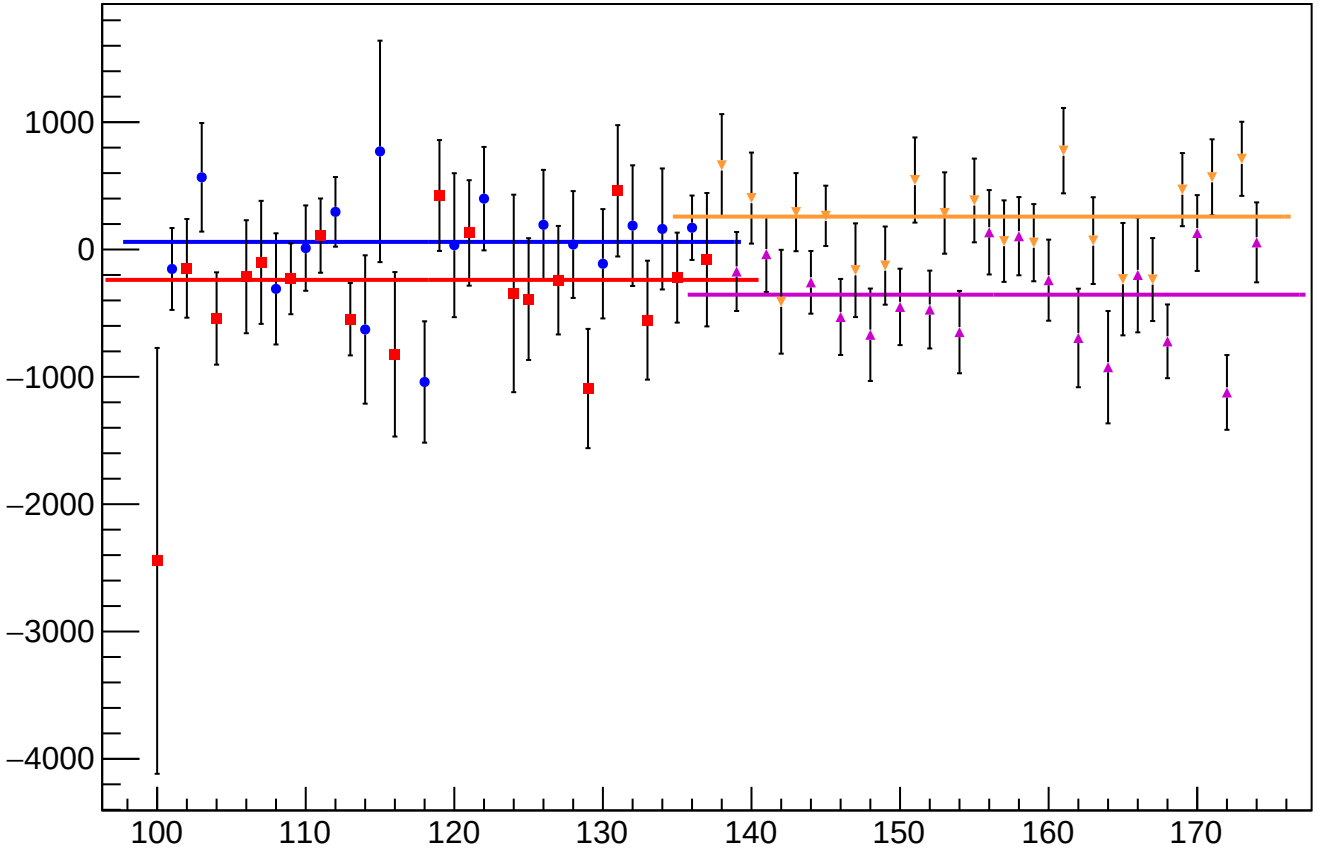
Left In: 2014.661+/-0.374 χ^2/NDF:588353.4/17

+ sign 2132.083+/-0.328 χ^2/NDF: 2049731.4/34

All: 2118.238+/-0.230 χ^2/NDF: 3945090.8/71

- 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: 258.307+/-74.050 χ^2/NDF:18.7/18

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

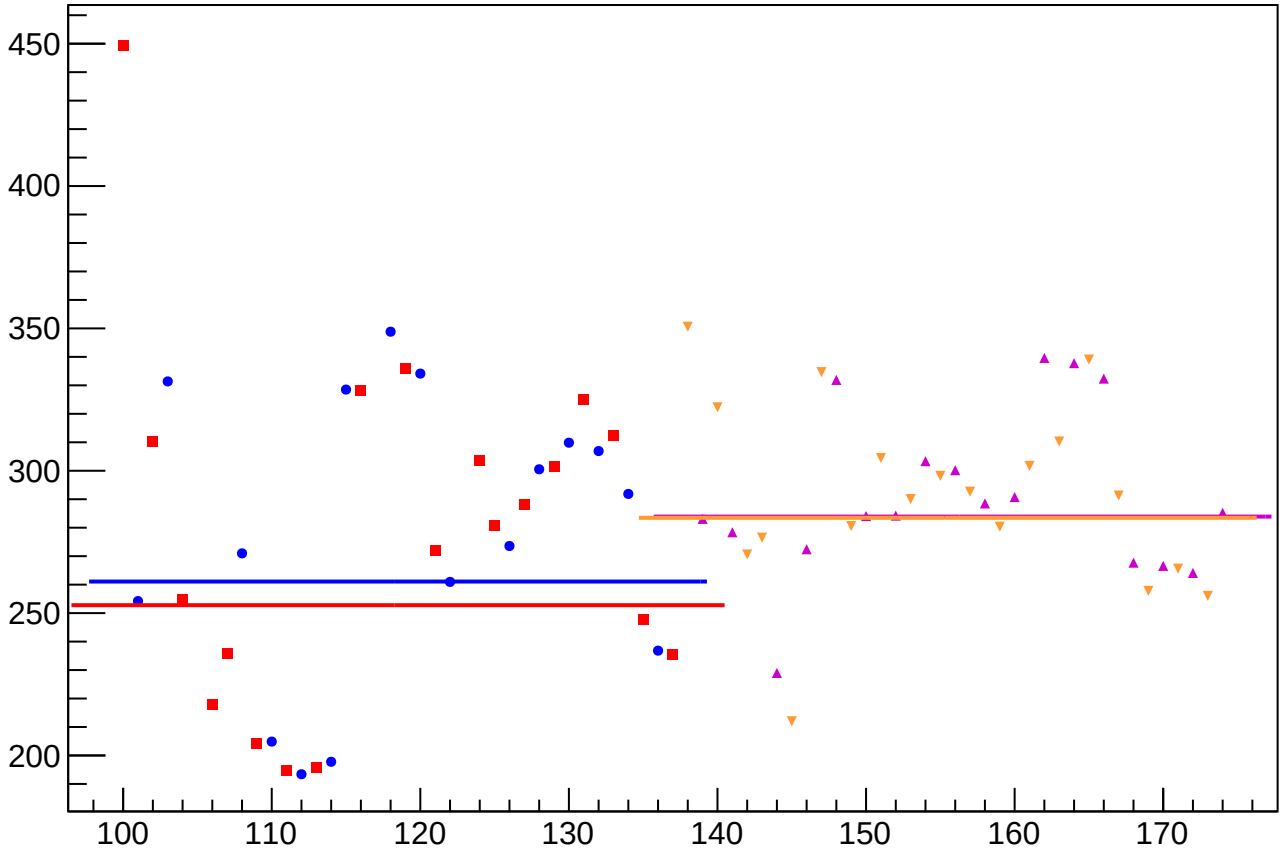
Left In: -354.752+/-74.605 χ^2/NDF:23.7/17

+ sign 187.278+/-59.347 χ^2/NDF: 33.3/34

All: -64.357+/-41.730 χ^2/NDF: 108.5/71

- 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: 283.474+/-0.052 χ^2/NDF:409624.0/18

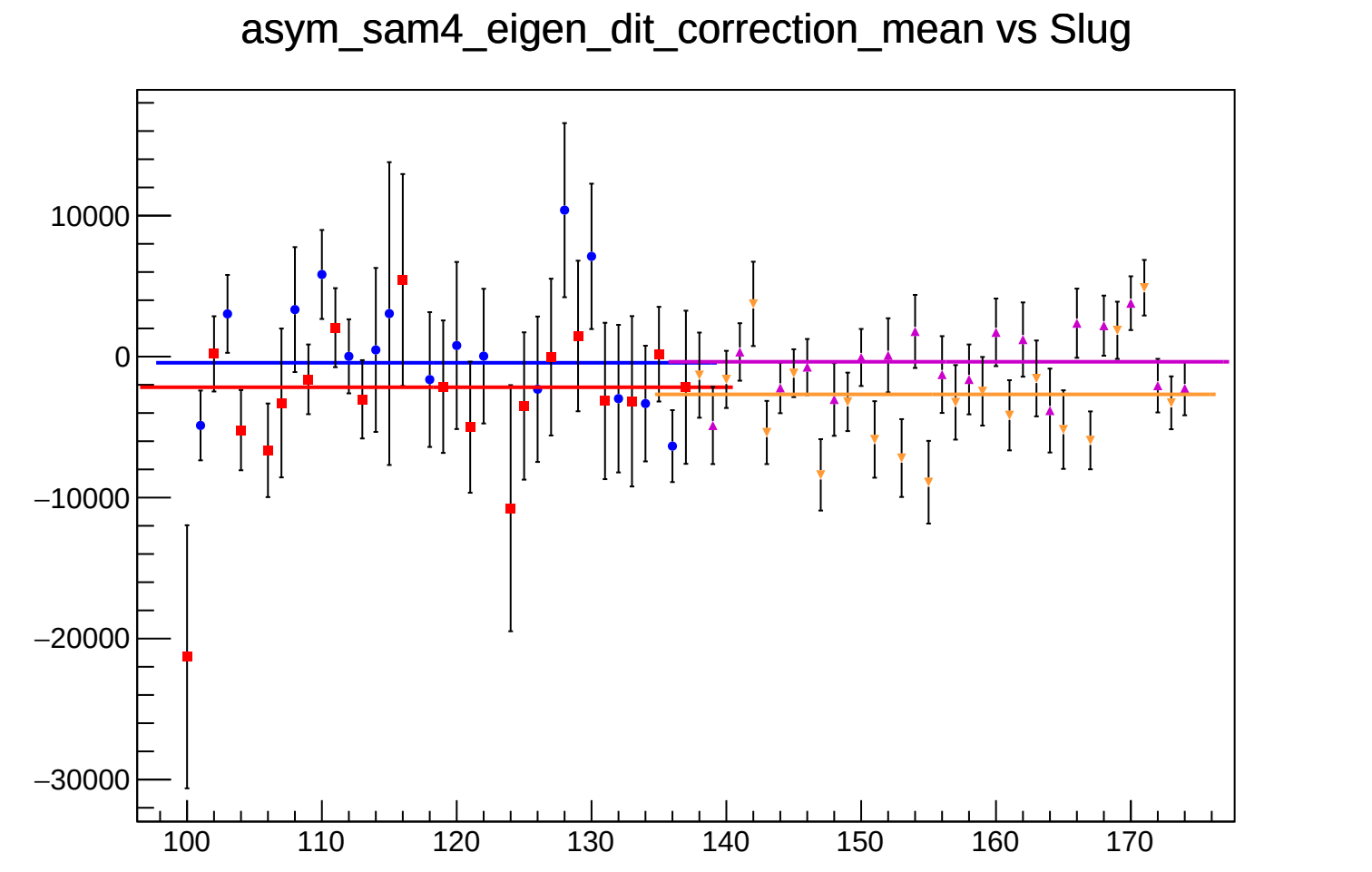
Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 283.898+/-0.053 χ^2/NDF:268234.0/17

+ sign 275.467+/-0.042 χ^2/NDF: 937666.0/34

All: 273.735+/-0.030 χ^2/NDF: 1879130.1/71

- sign 272.040+/-0.041 χ^2/NDF: 938091.9/36



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2677.119+/-531.005 χ^2/NDF:44.8/18

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

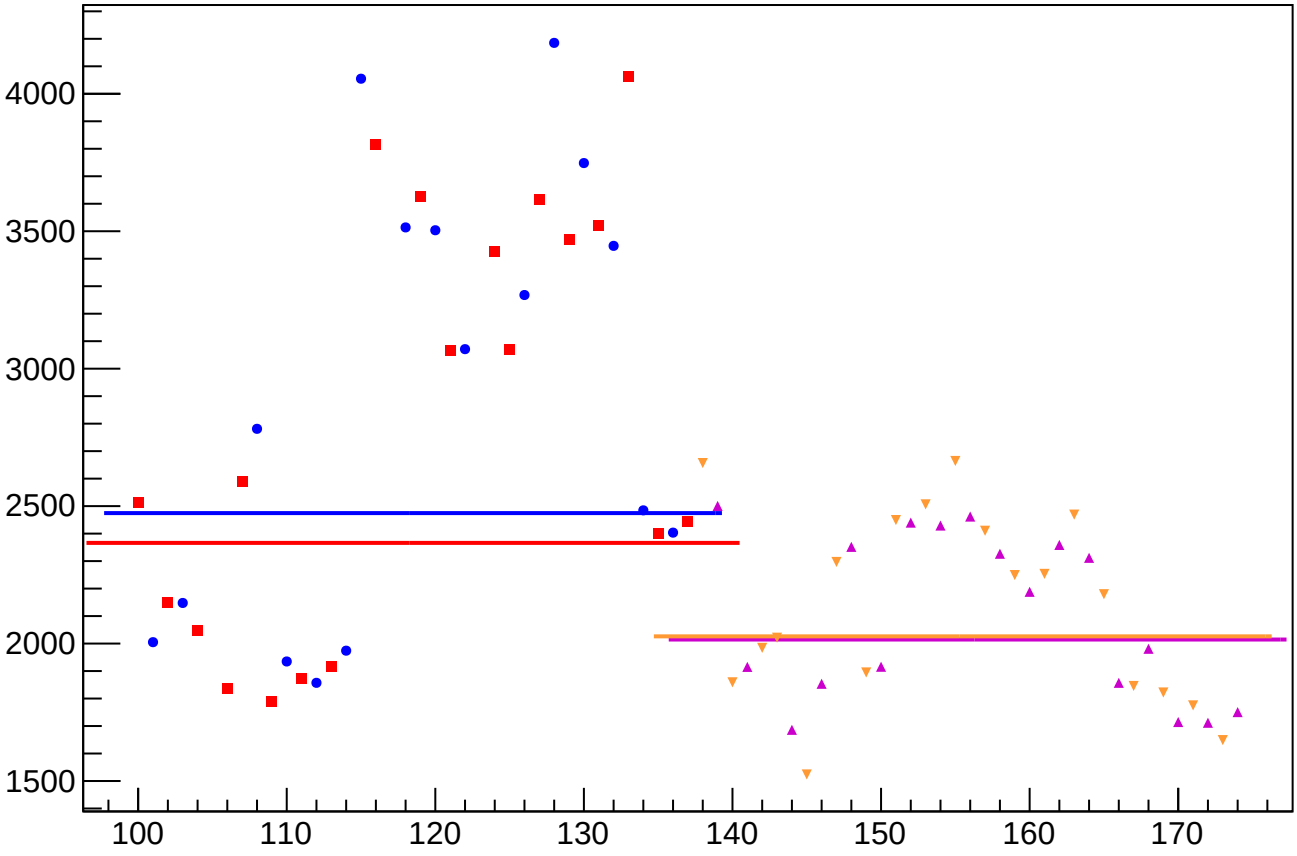
Left In: -365.974+/-529.317 χ^2/NDF:17.8/17

+ sign -2148.154+/-464.104 χ^2/NDF: 70.2/34

All: -1477.692+/-325.414 χ^2/NDF: 109.1/71

- 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: 2026.208+/-0.375 χ^2/NDF:796749.2/18

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

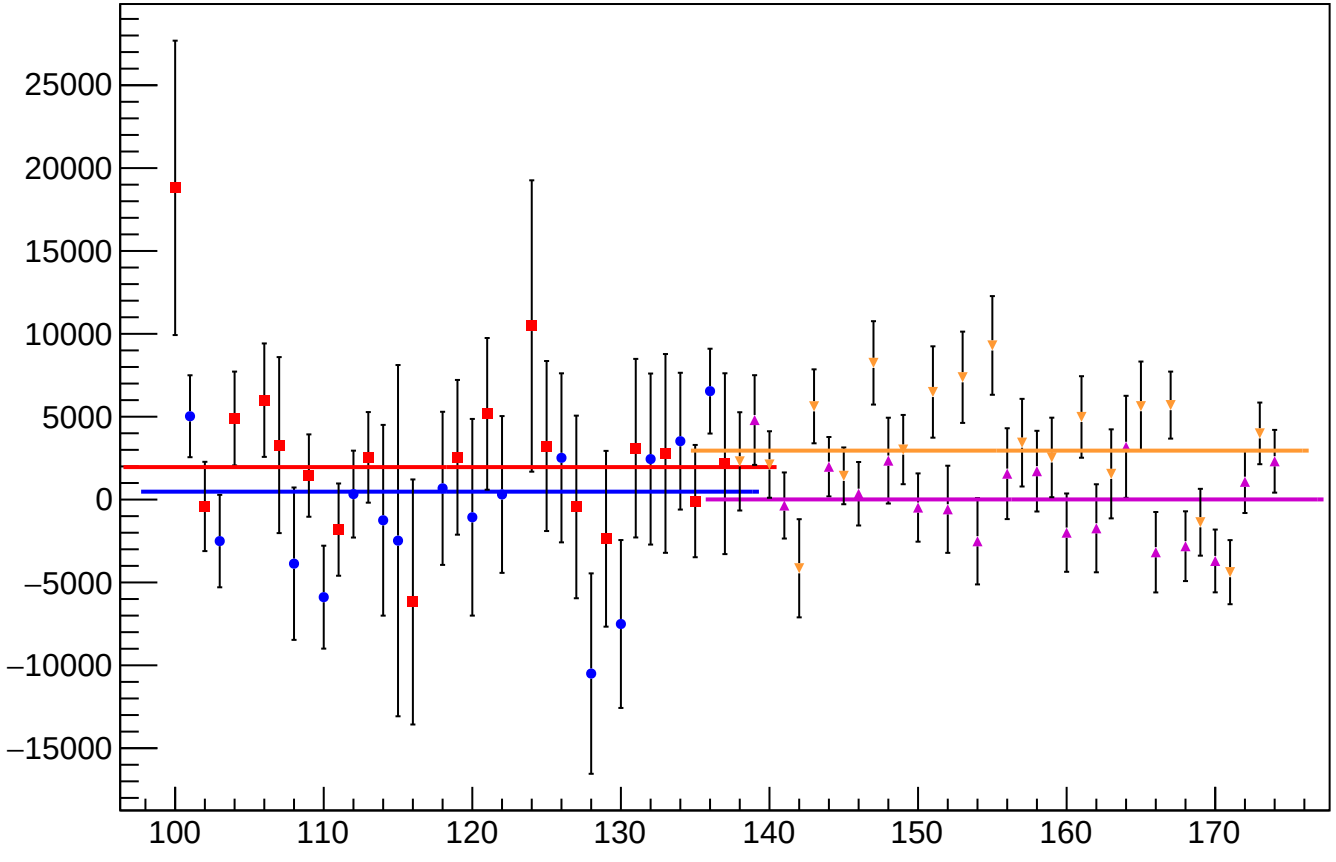
Left In: 2014.659+/-0.374 χ^2/NDF:588354.3/17

+ sign 2132.080+/-0.328 χ^2/NDF: 2049740.0/34

All: 2118.235+/-0.230 χ^2/NDF: 3945104.0/71

- 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: 2953.458+/-527.990 χ^2/NDF:44.5/18

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

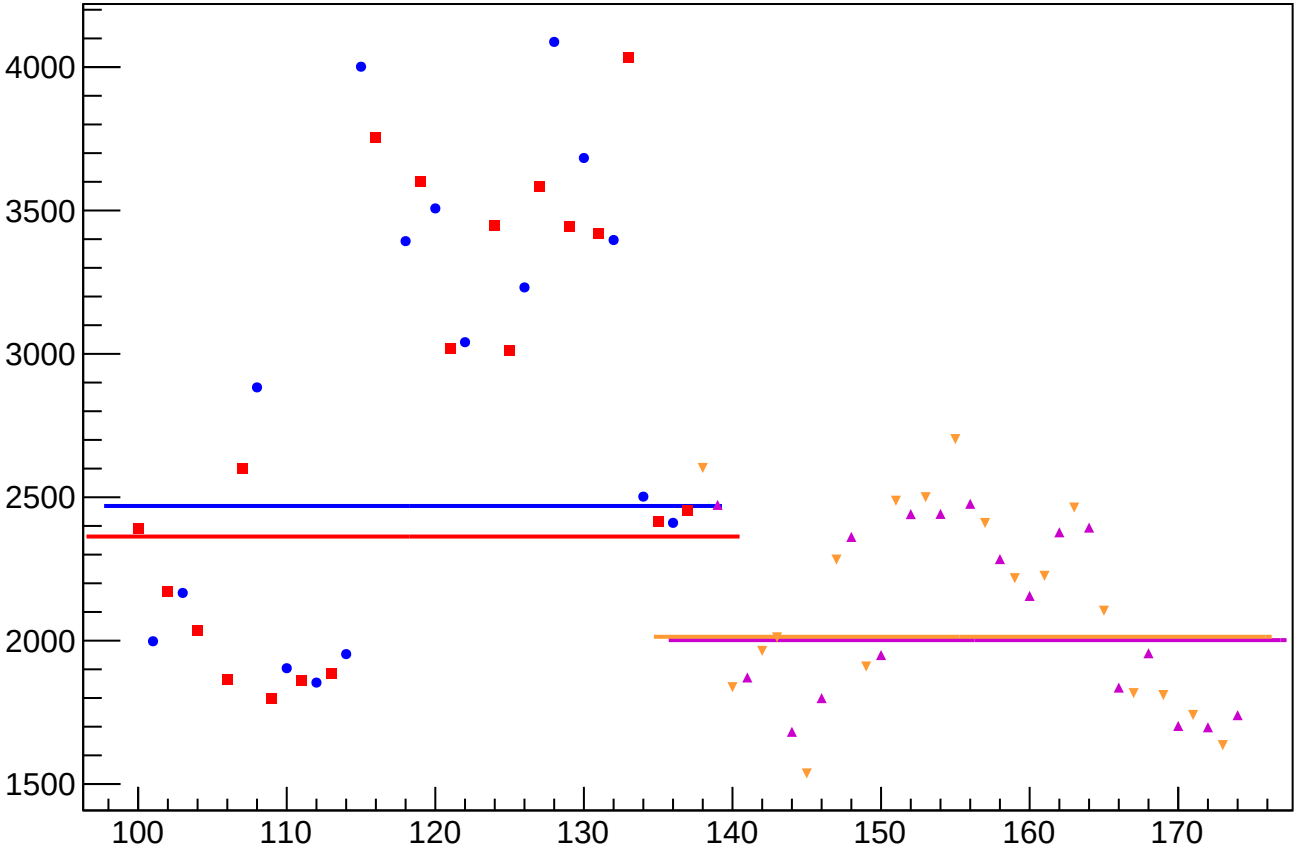
Left In: 9.118+/-526.178 χ^2/NDF:18.5/17

+ sign 2371.675+/-461.817 χ^2/NDF: 71.8/34

All: 1423.430+/-323.829 χ^2/NDF: 114.9/71

- 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: 2013.540+/-0.373 χ^2/NDF:800952.3/18

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

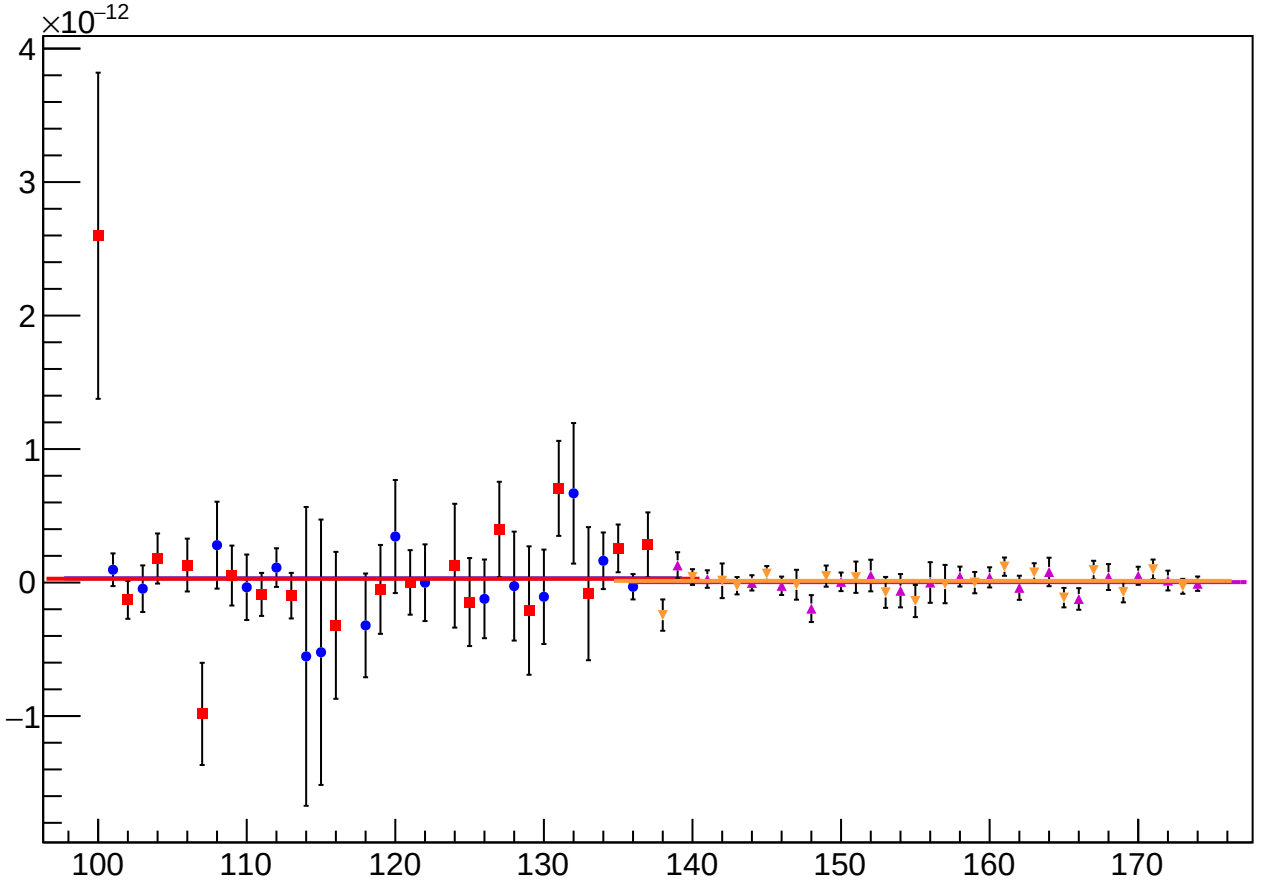
Left In: 2001.820+/-0.372 χ^2/NDF:626619.7/17

+ sign 2120.701+/-0.327 χ^2/NDF: 2037784.1/34

All: 2107.070+/-0.229 χ^2/NDF: 3951414.6/71

- 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:19.3/18

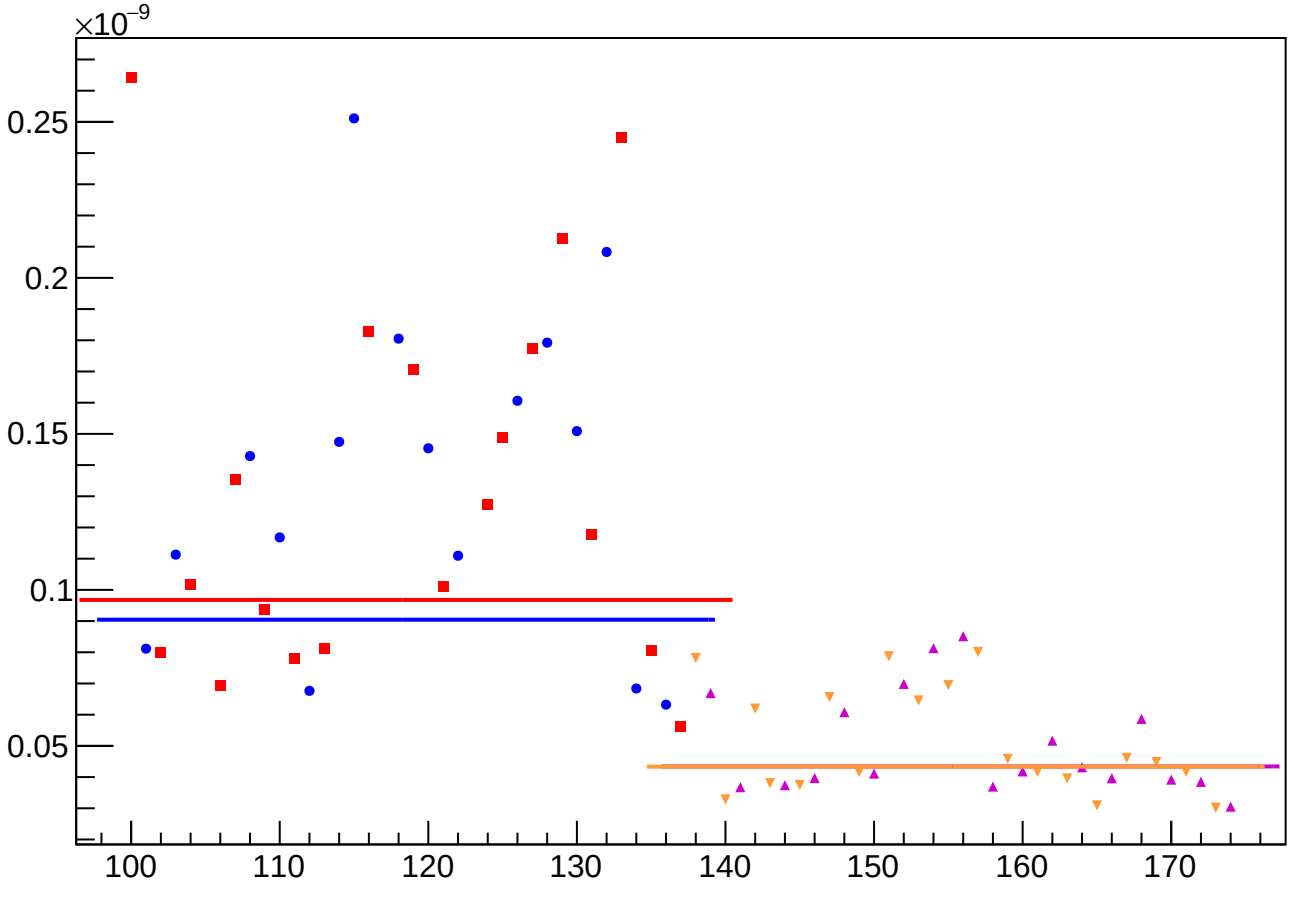
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 25.5/34

All: 0.000+/-0.000 χ^2/NDF: 59.7/71

- sign 0.000+/-0.000 χ^2/NDF: 34.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1053162.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

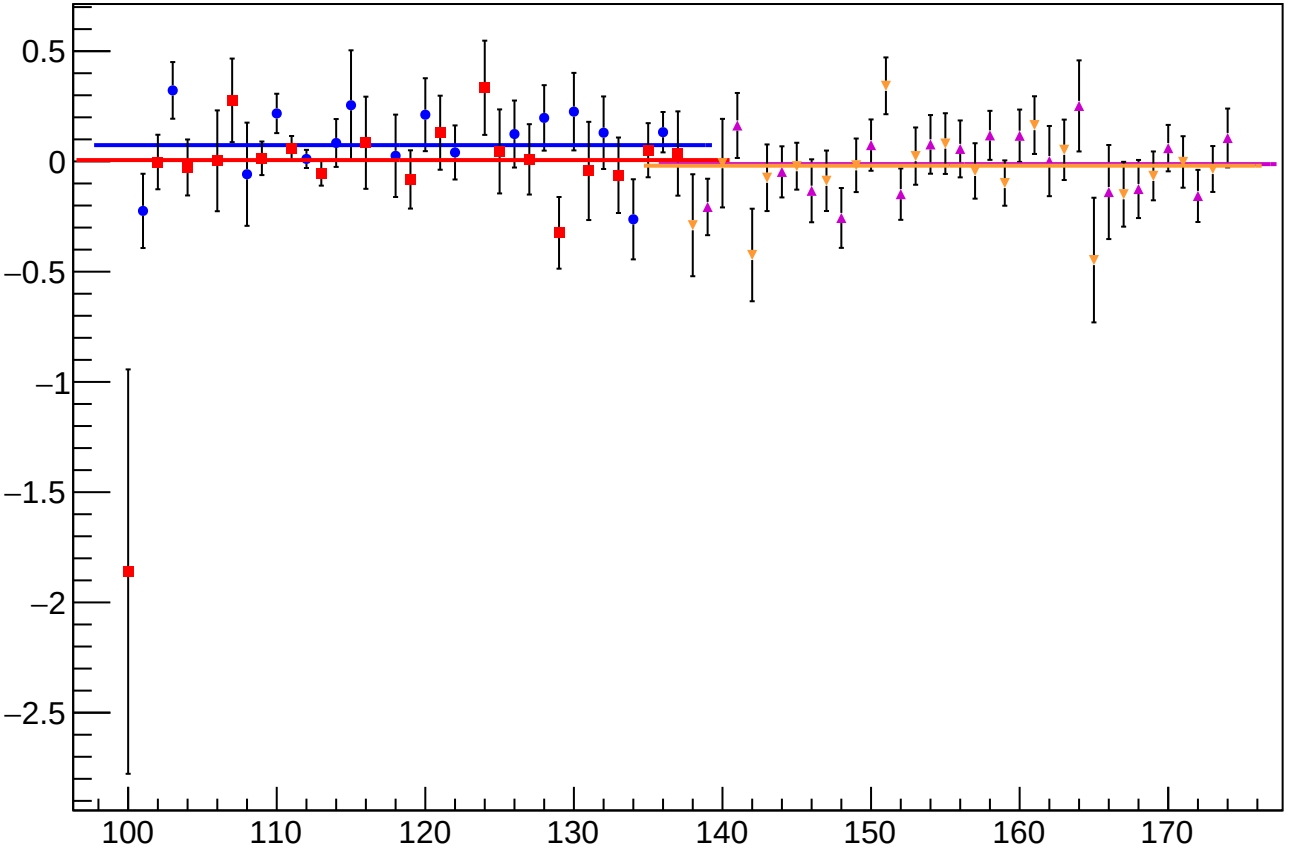
Left In: 0.000+/-0.000 χ^2/NDF:876706.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 3417653.7/34

All: 0.000+/-0.000 χ^2/NDF: 6787365.7/71

- 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: -0.019+/-0.031 χ^2/NDF:20.2/18

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

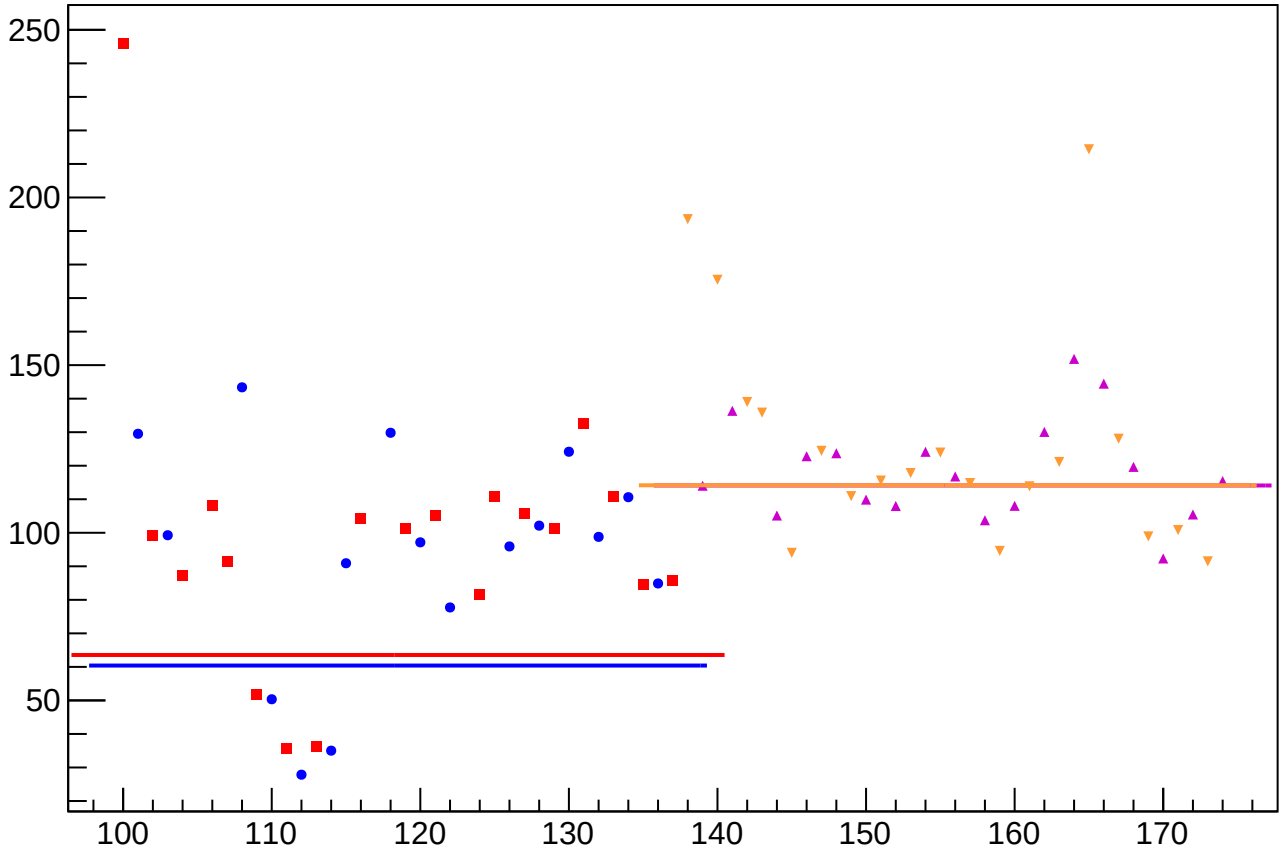
Left In: -0.012+/-0.031 χ^2/NDF:18.4/17

+ sign 0.033+/-0.020 χ^2/NDF: 44.4/34

All: 0.016+/-0.014 χ^2/NDF: 80.9/71

- 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: 114.166+/-0.022 χ^2/NDF:1093618.4/18

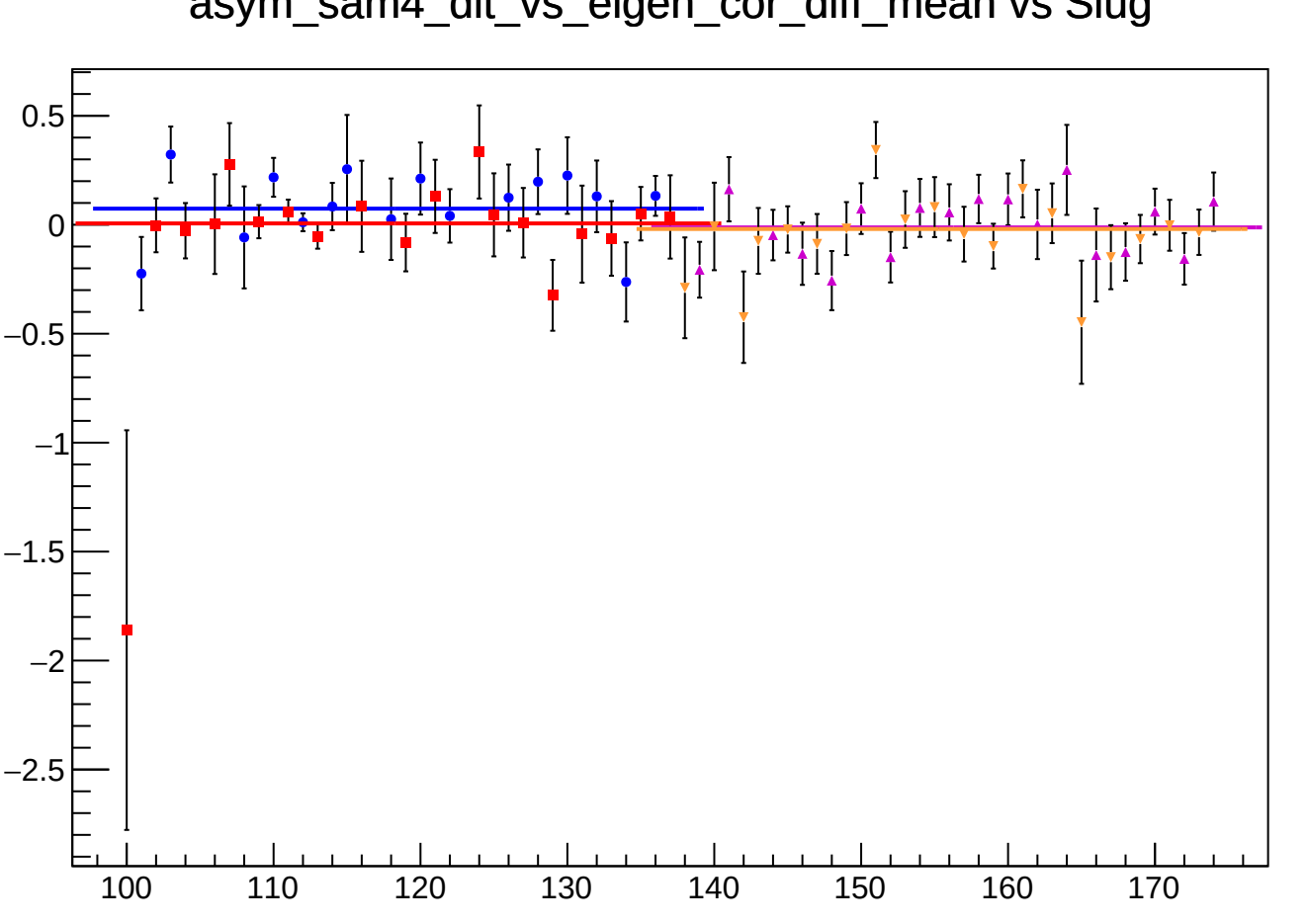
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.107+/-0.022 χ^2/NDF:345649.7/17

+ sign 83.942+/-0.014 χ^2/NDF: 8100992.5/34

All: 84.696+/-0.010 χ^2/NDF: 14181675.3/71

- 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: -0.019+/-0.031 χ^2/NDF:20.2/18

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

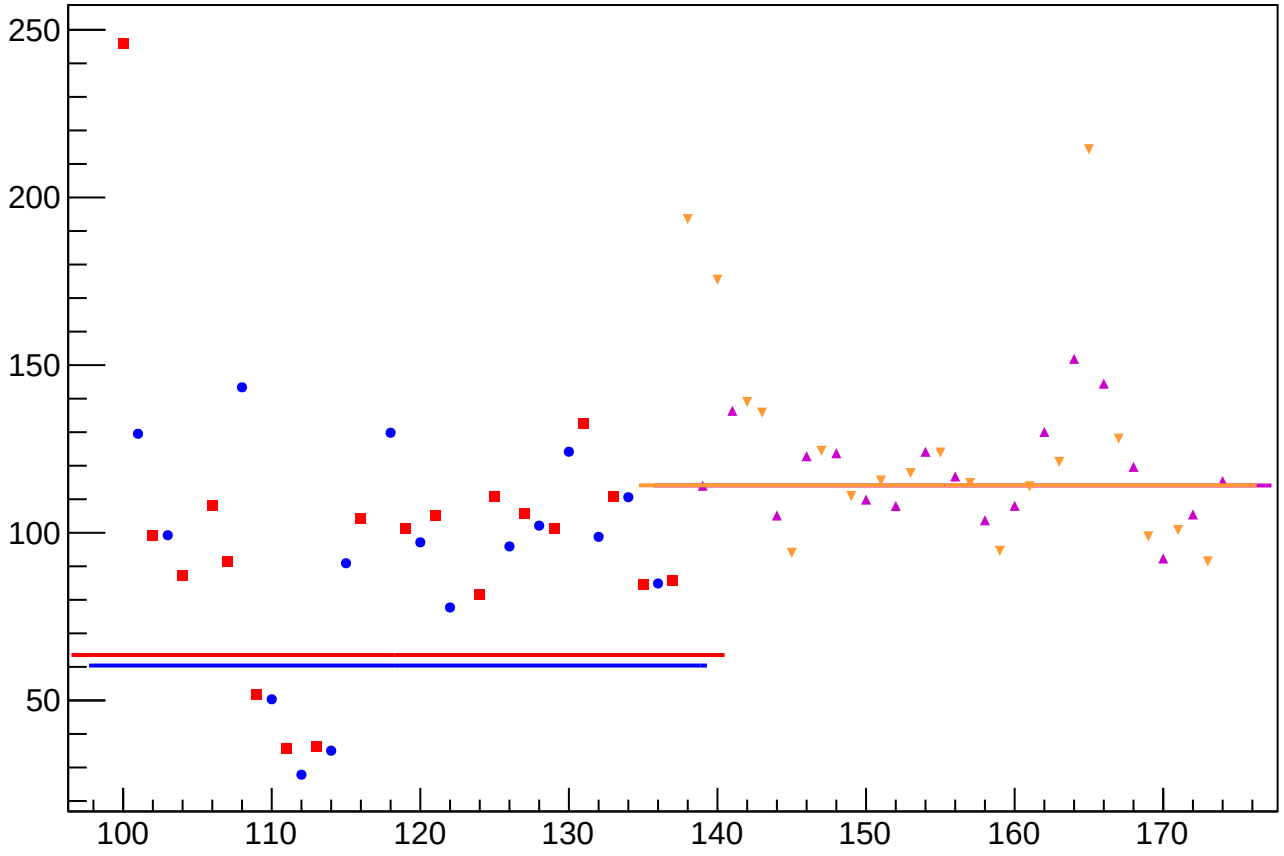
Left In: -0.012+/-0.031 χ^2/NDF:18.4/17

+ sign 0.033+/-0.020 χ^2/NDF: 44.4/34

All: 0.016+/-0.014 χ^2/NDF: 80.9/71

- 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: 114.166+/-0.022 χ^2/NDF:1093618.4/18

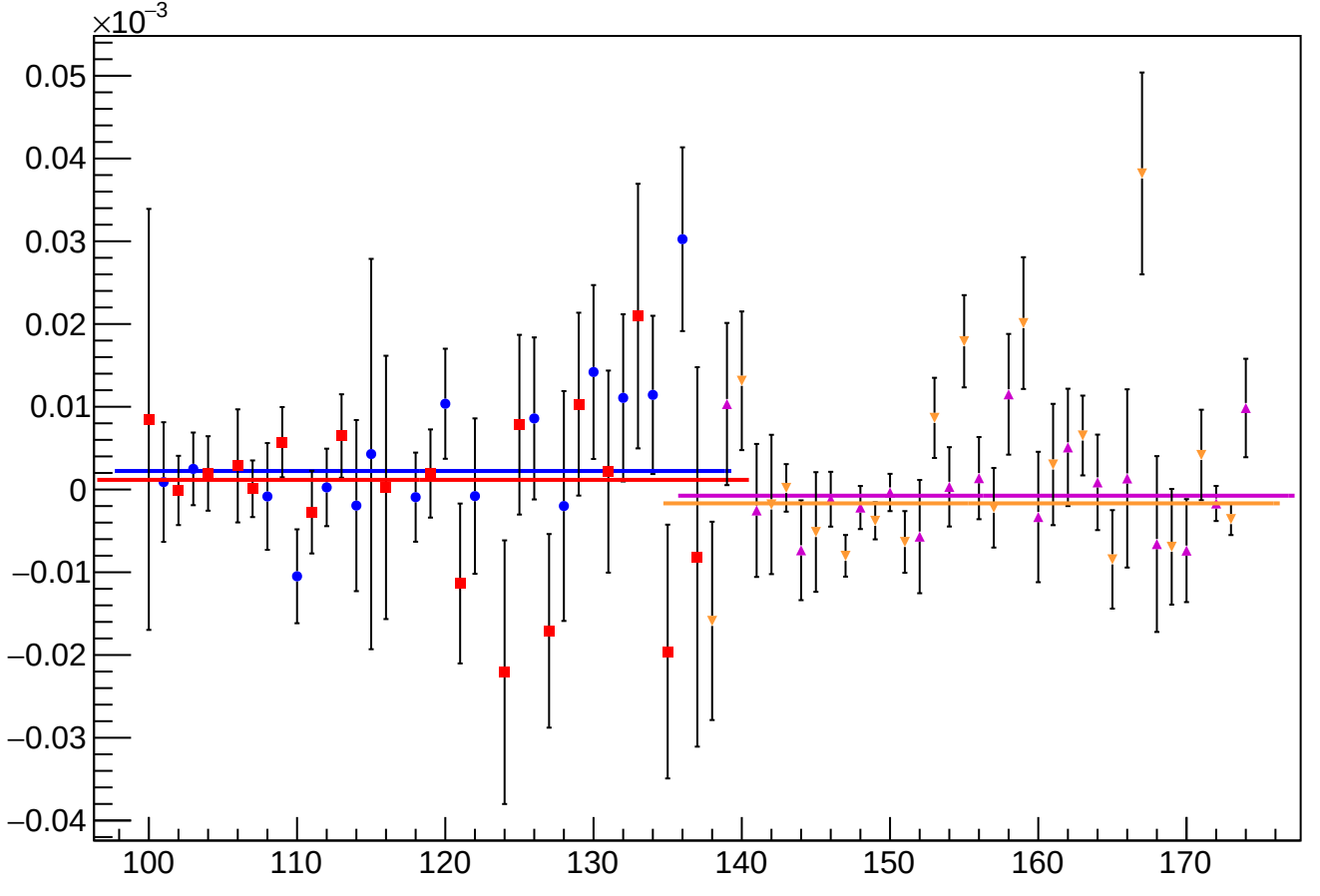
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.107+/-0.022 χ^2/NDF:345649.7/17

+ sign 83.942+/-0.014 χ^2/NDF: 8100992.5/34

All: 84.696+/-0.010 χ^2/NDF: 14181675.3/71

- 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:56.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

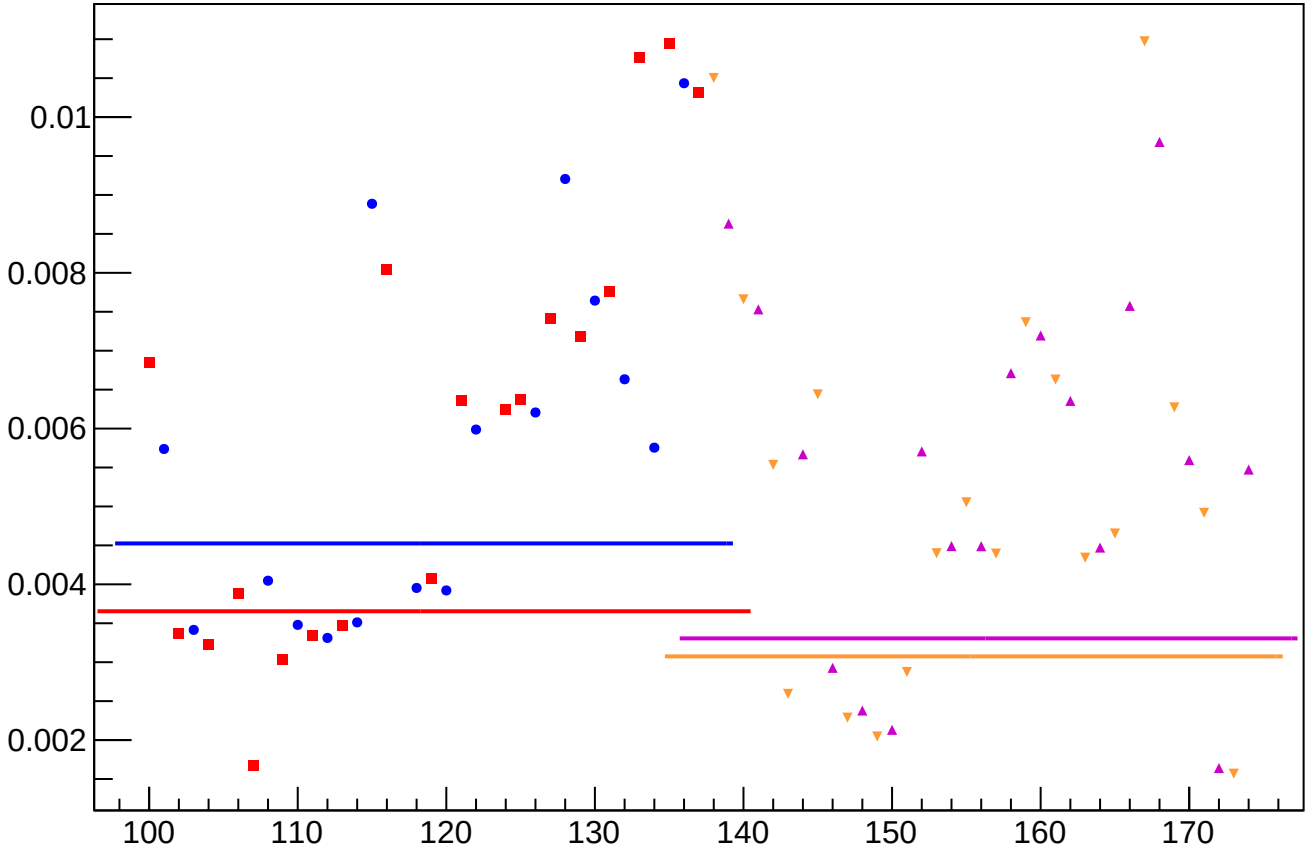
Left In: -0.000+/-0.000 χ^2/NDF:12.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 77.5/34

All: -0.000+/-0.000 χ^2/NDF: 105.2/71

- sign -0.000+/-0.000 χ^2/NDF: 27.4/36

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:7235376.6/18

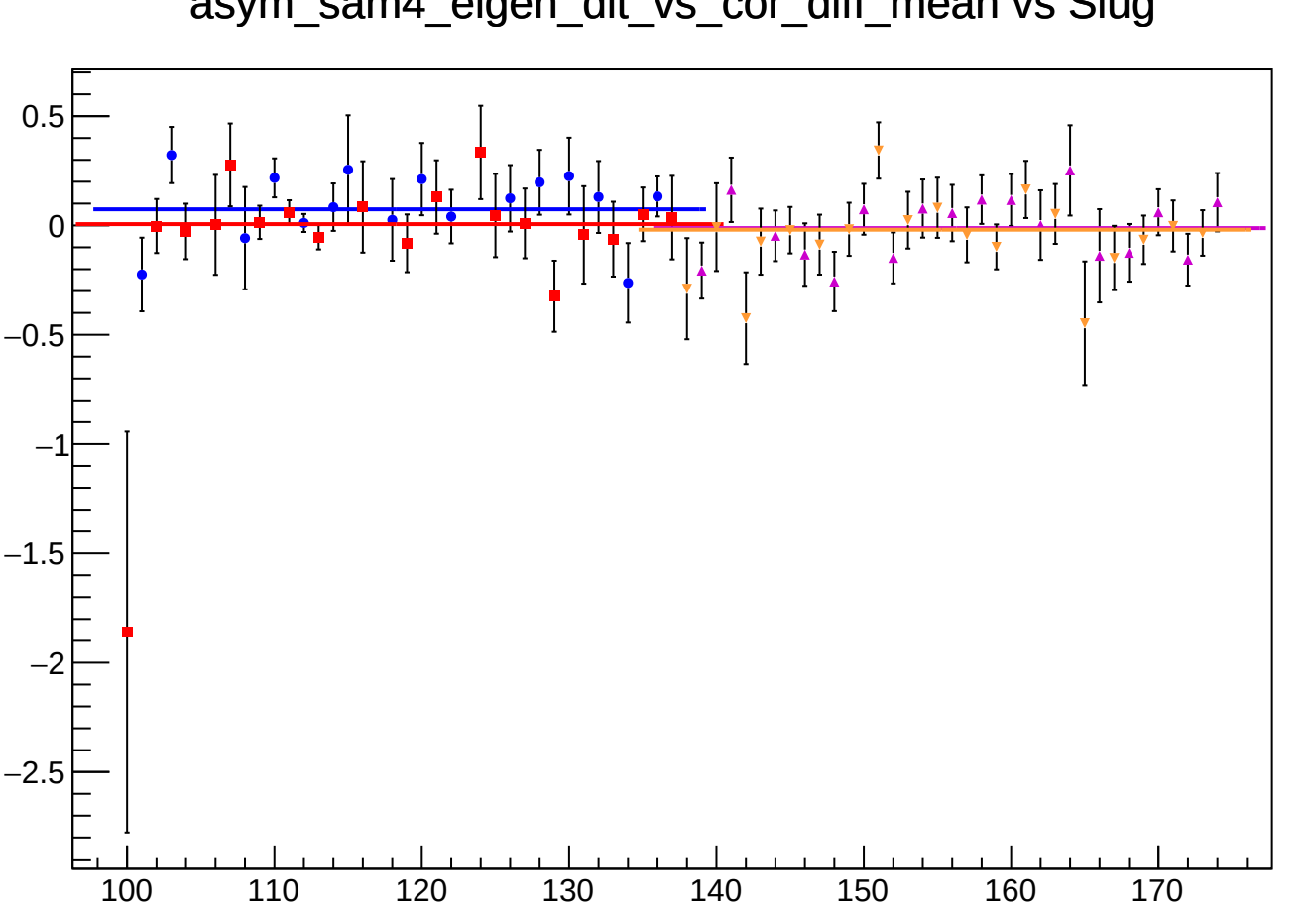
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:6934026.2/17

+ sign 0.003+/-0.000 χ^2/NDF: 9971752.1/34

All: 0.003+/-0.000 χ^2/NDF: 19915200.5/71

- sign 0.003+/-0.000 χ^2/NDF: 9941377.3/36



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.019+/-0.031 χ^2/NDF:20.2/18

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

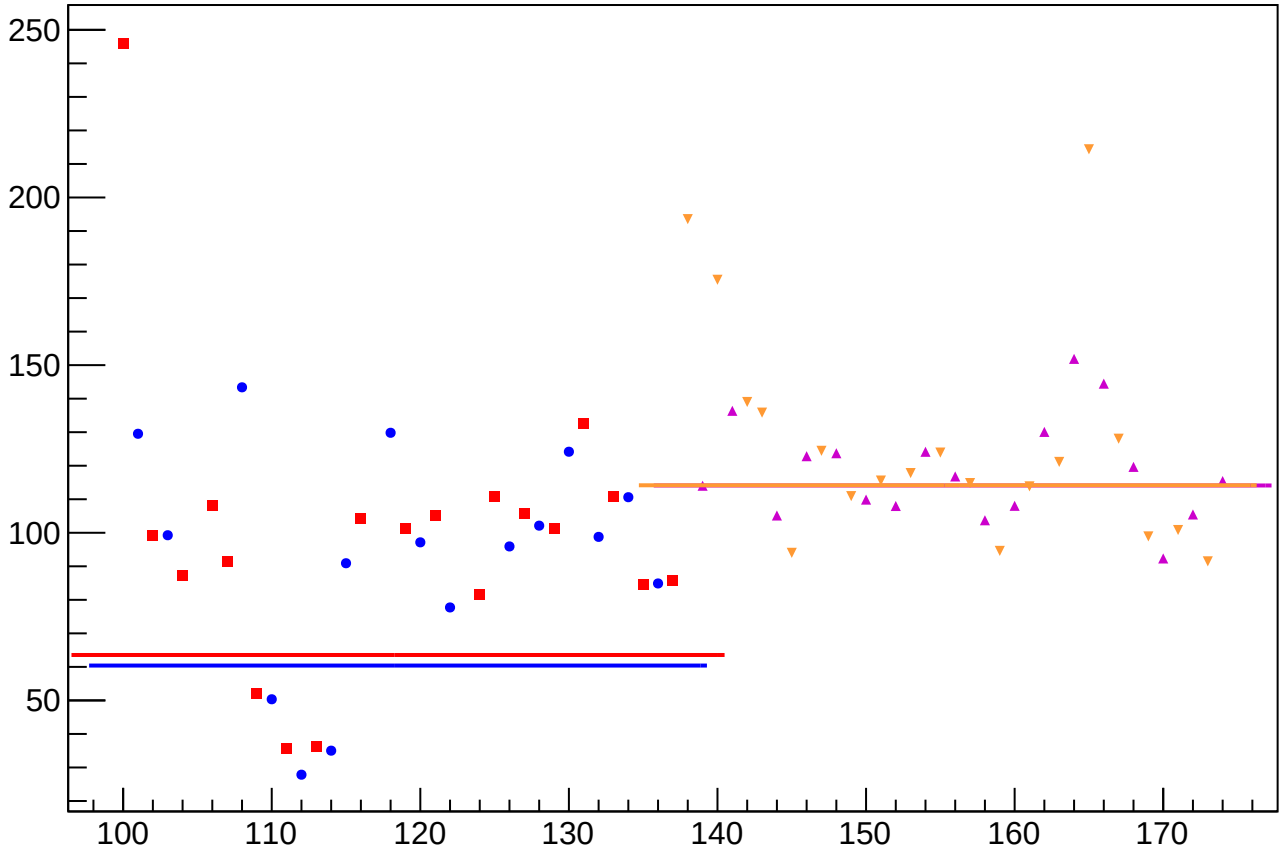
Left In: -0.012+/-0.031 χ^2/NDF:18.4/17

+ sign 0.033+/-0.020 χ^2/NDF: 44.4/34

All: 0.016+/-0.014 χ^2/NDF: 80.9/71

- sign -0.002+/-0.020 χ^2/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: 114.167+/-0.022 χ^2/NDF:1093598.0/18

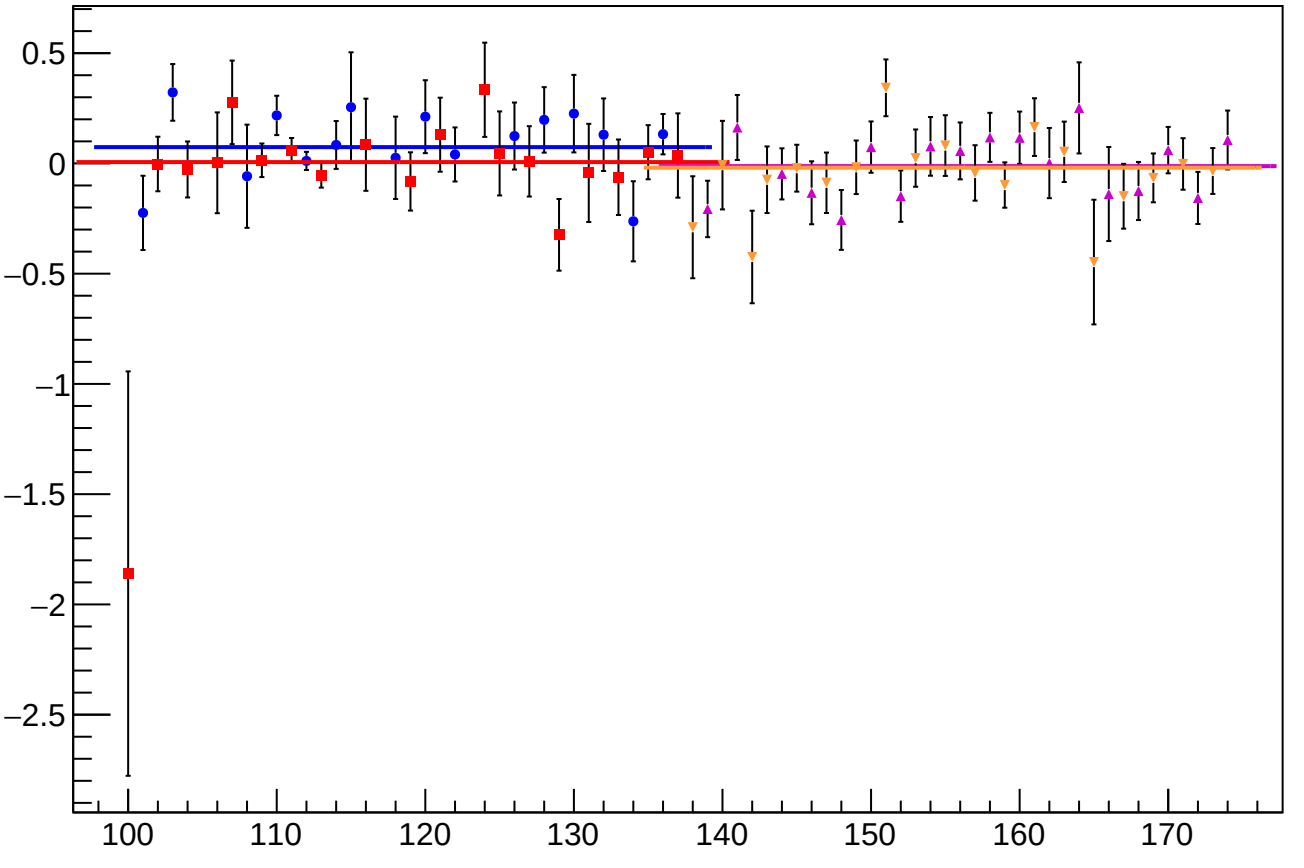
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.108+/-0.022 χ^2/NDF:345652.5/17

+ sign 83.940+/-0.014 χ^2/NDF: 8101661.1/34

All: 84.695+/-0.010 χ^2/NDF: 14182967.0/71

- 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: -0.019+/-0.031 χ^2/NDF:20.2/18

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

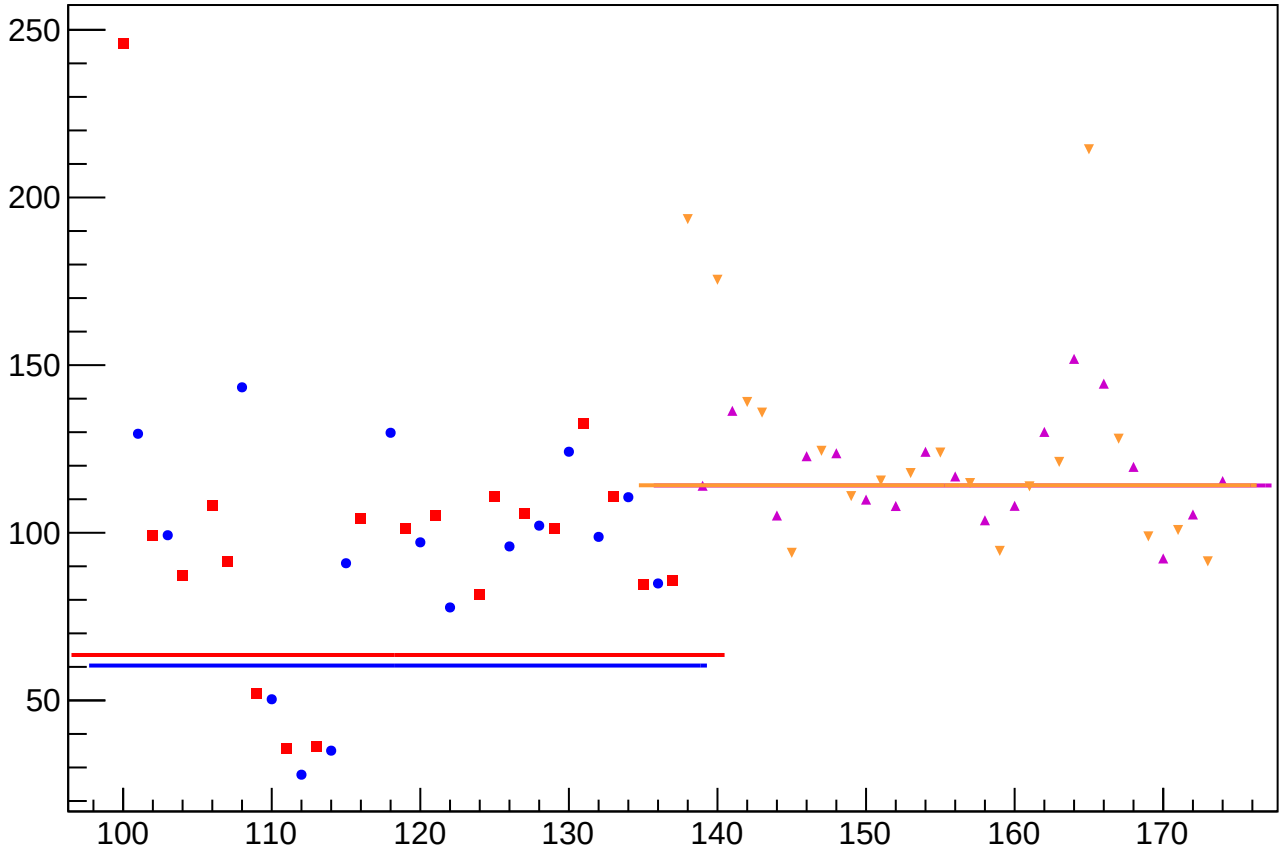
Left In: -0.012+/-0.031 χ^2/NDF:18.4/17

+ sign 0.033+/-0.020 χ^2/NDF: 44.4/34

All: 0.016+/-0.014 χ^2/NDF: 80.9/71

- sign -0.002+/-0.020 χ^2/NDF: 35.1/36

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 114.167+/-0.022 χ^2/NDF:1093598.0/18

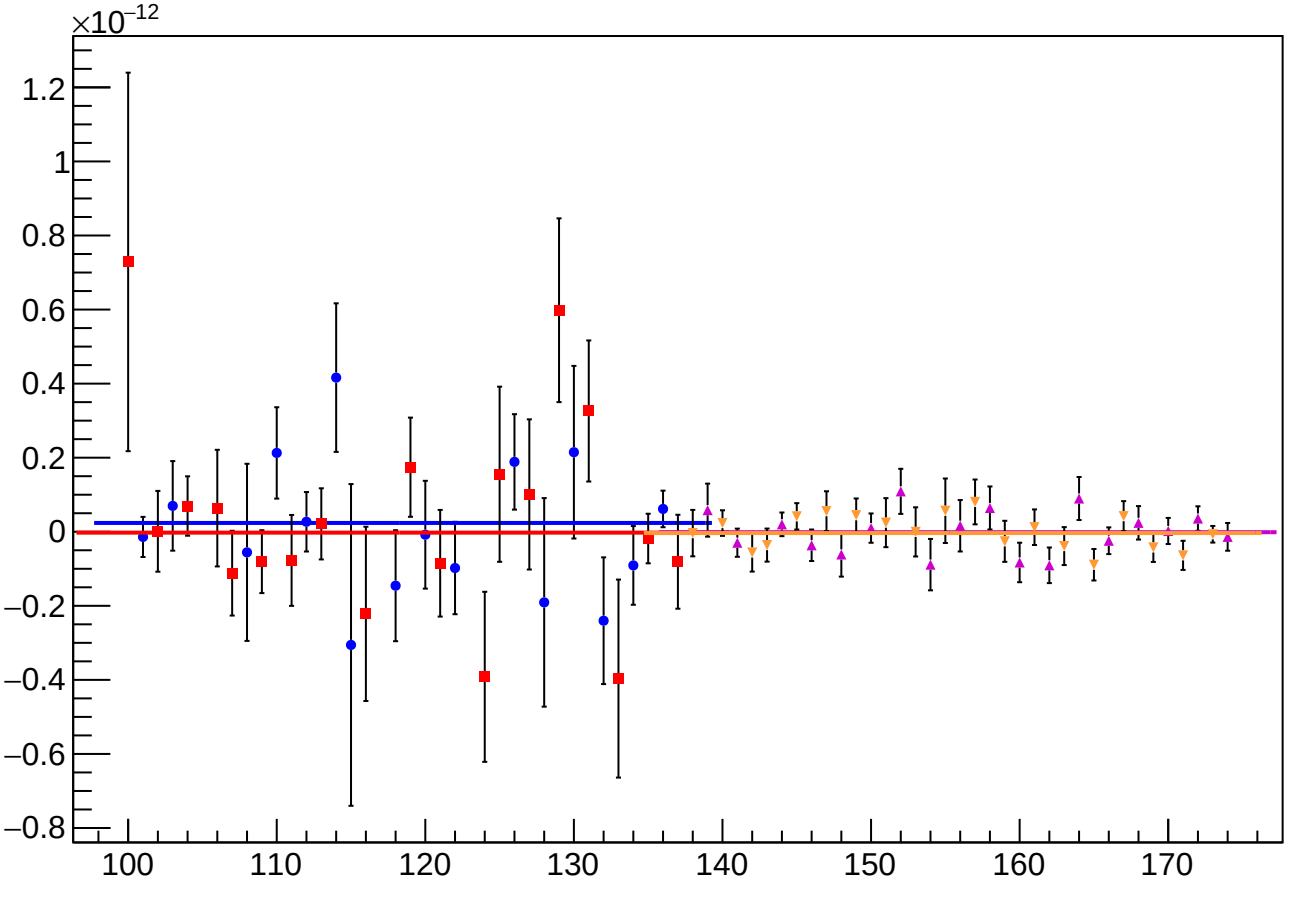
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.108+/-0.022 χ^2/NDF:345652.5/17

+ sign 83.940+/-0.014 χ^2/NDF: 8101661.1/34

All: 84.695+/-0.010 χ^2/NDF: 14182967.0/71

- sign 85.445+/-0.014 χ^2/NDF: 6075769.5/36



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/18

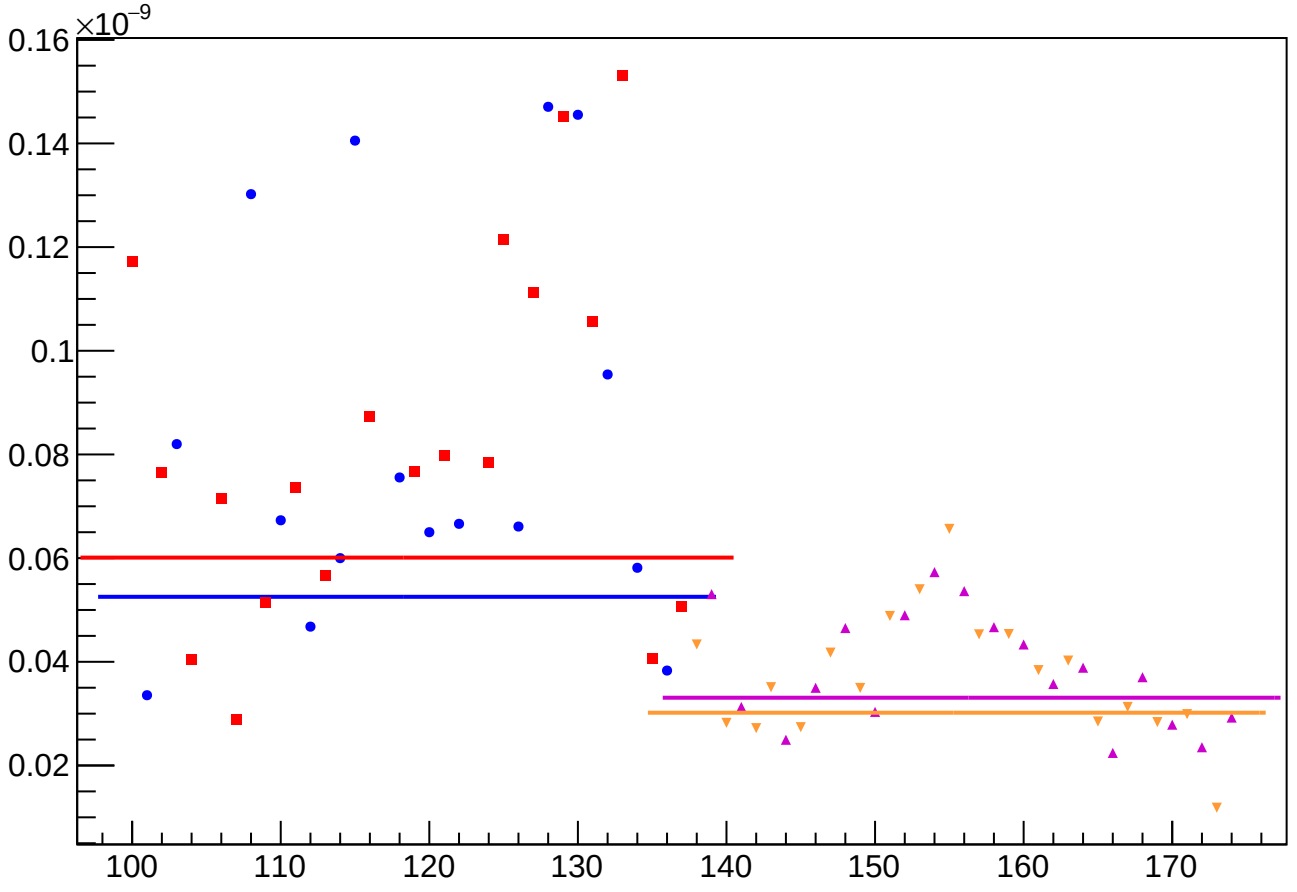
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:20.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/34

All: -0.000+/-0.000 χ^2/NDF: 79.1/71

- 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:2754297.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

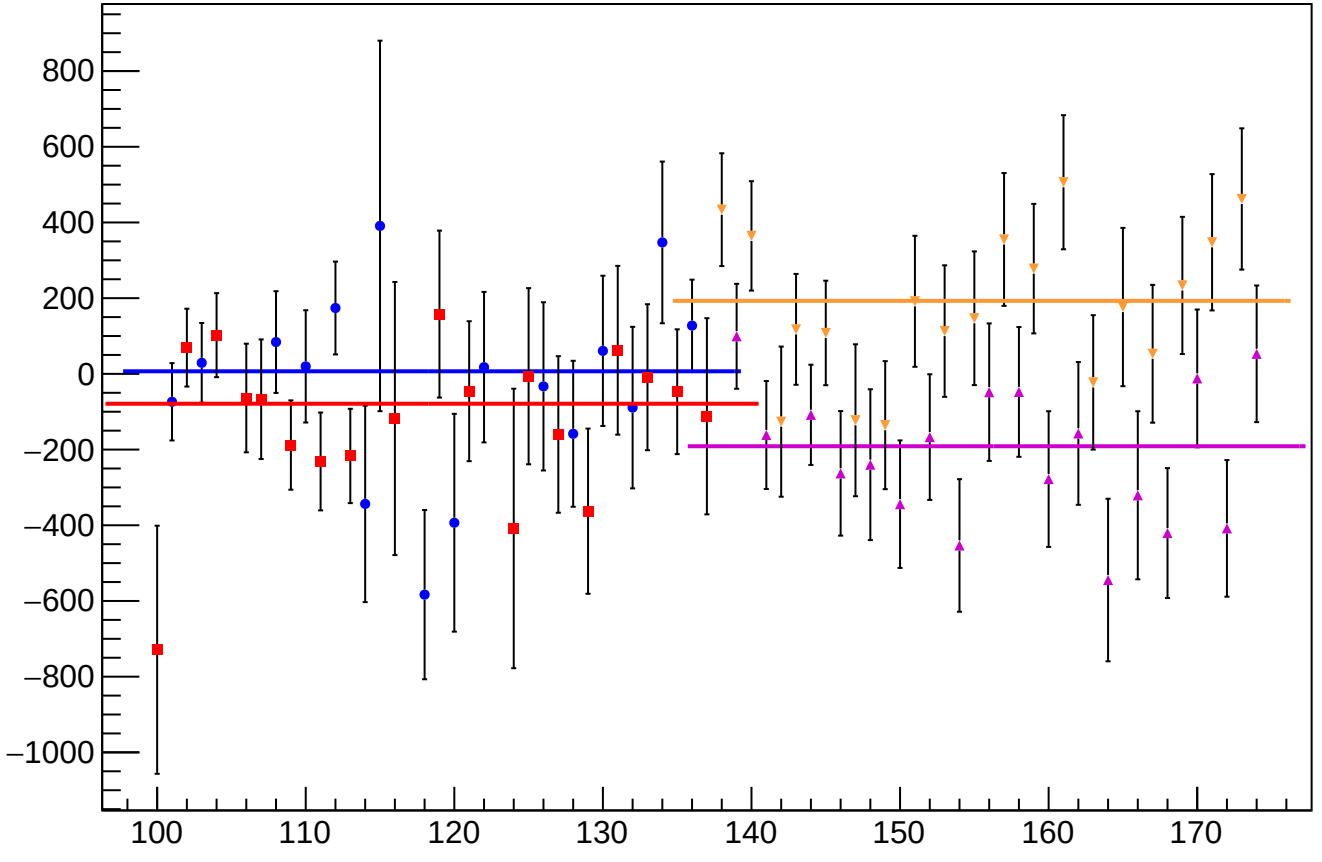
Left In: 0.000+/-0.000 χ^2/NDF:1589885.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 5675742.1/34

All: 0.000+/-0.000 χ^2/NDF: 10465420.4/71

- 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: 192.940+/-39.253 χ^2/NDF:22.9/18

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

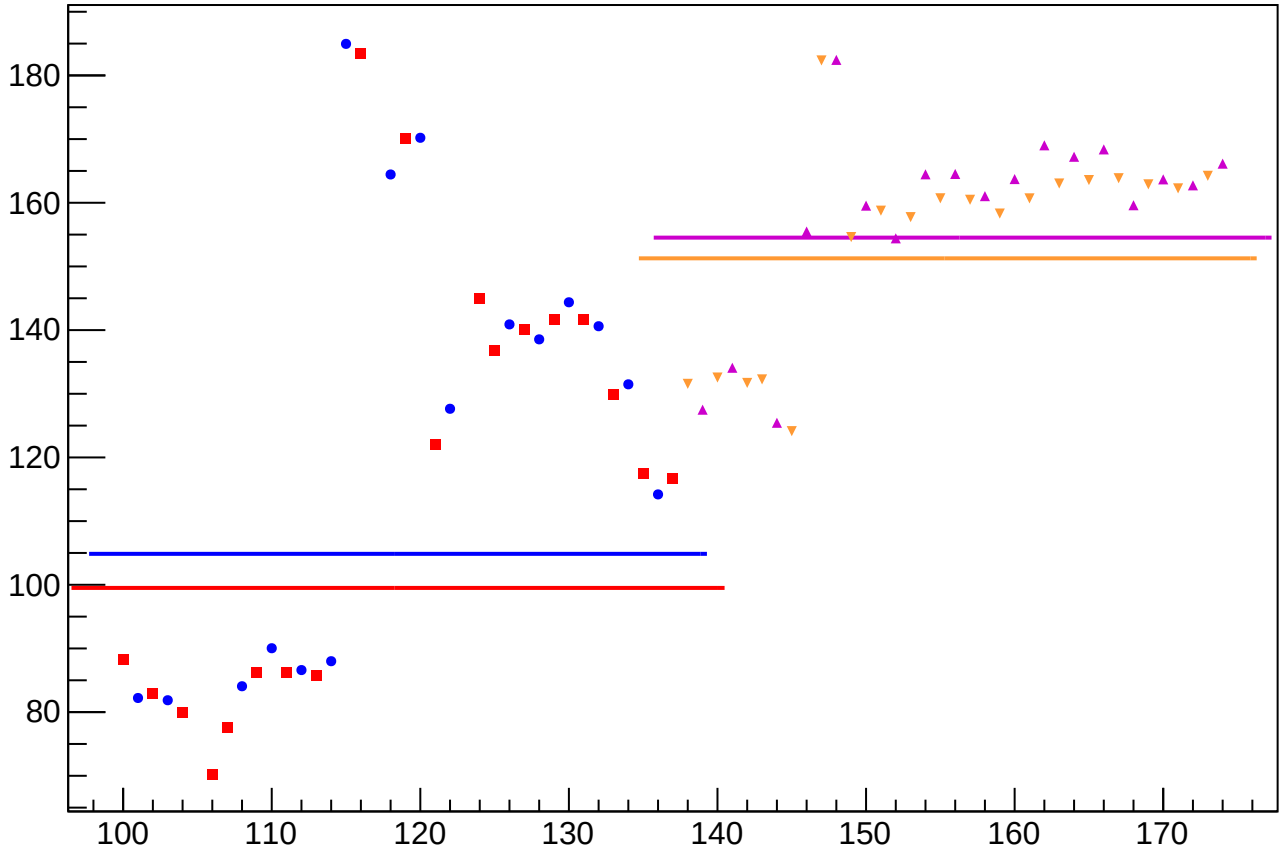
Left In: -191.208+/-40.304 χ^2/NDF:18.8/17

+ sign 102.447+/-28.137 χ^2/NDF: 52.7/34

All: -16.780+/-19.708 χ^2/NDF: 127.5/71

- 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: 151.272+/-0.028 χ^2/NDF:325100.5/18

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

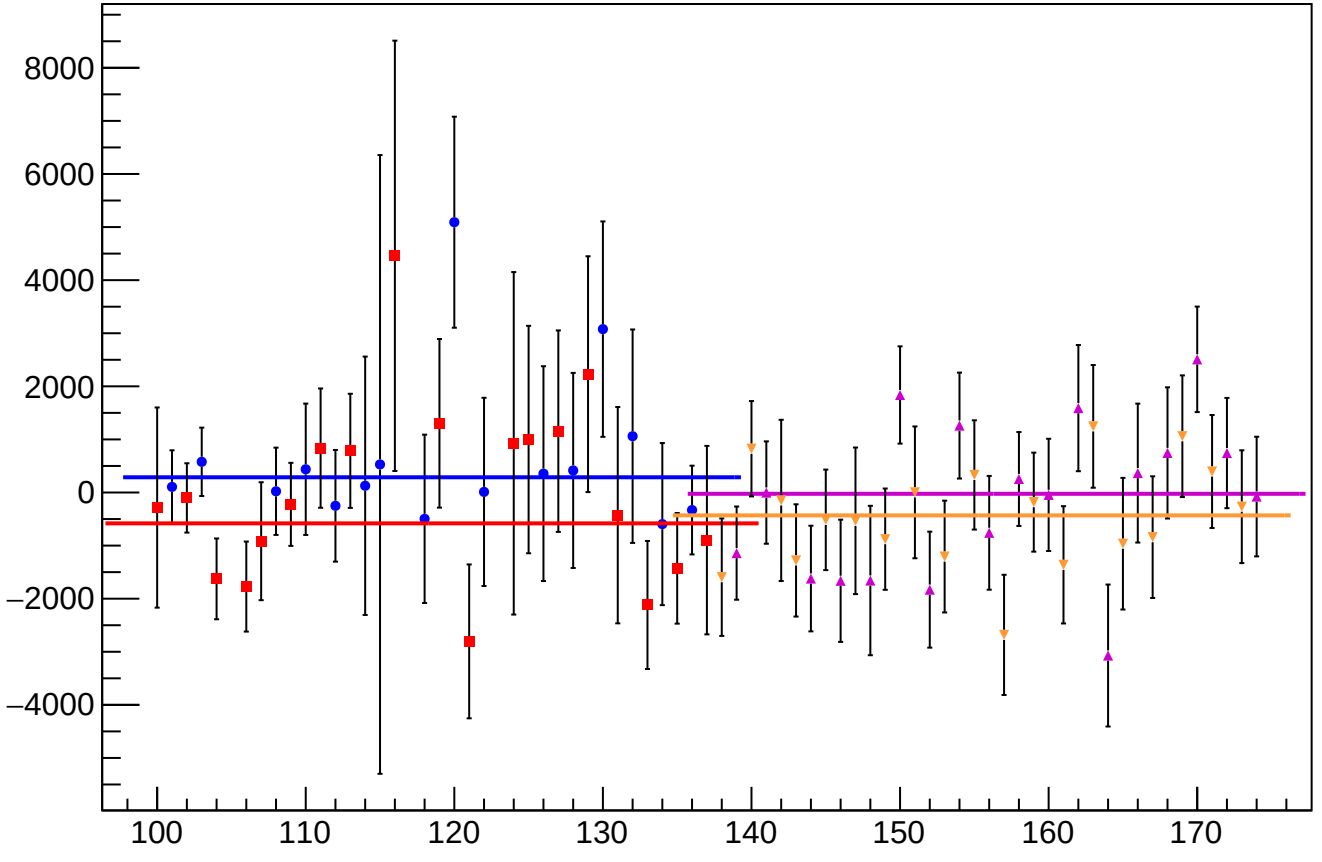
Left In: 154.524+/-0.028 χ^2/NDF:321177.9/17

+ sign 128.707+/-0.020 χ^2/NDF: 2615769.0/34

All: 126.987+/-0.014 χ^2/NDF: 5968166.0/71

- 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: -430.630+/-249.534 χ^2/NDF:14.7/18

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

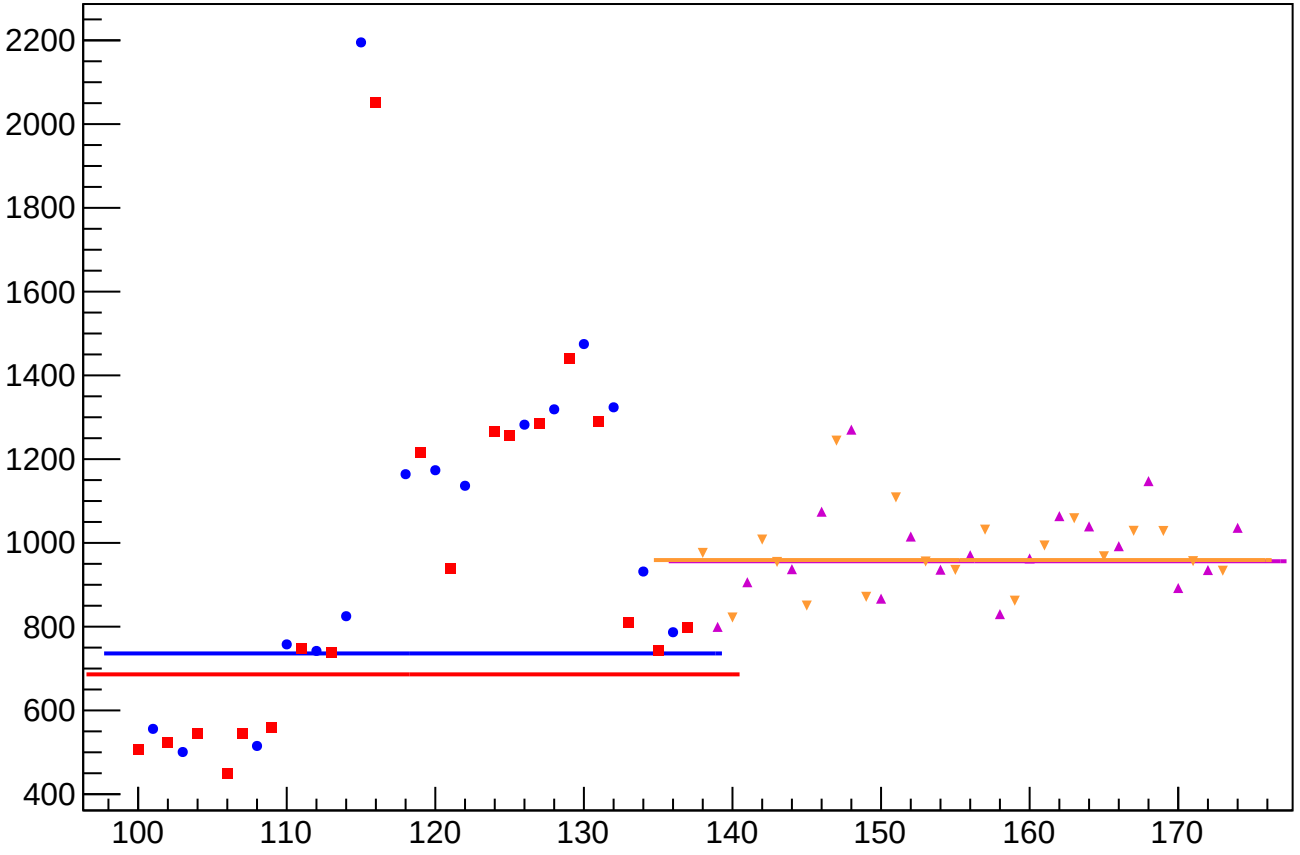
Left In: -24.223+/-250.339 χ^2/NDF:31.2/17

+ sign -129.544+/-190.104 χ^2/NDF: 27.8/34

All: -208.431+/-132.028 χ^2/NDF: 80.4/71

- 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: 959.015+/-0.176 χ^2/NDF:270710.1/18

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

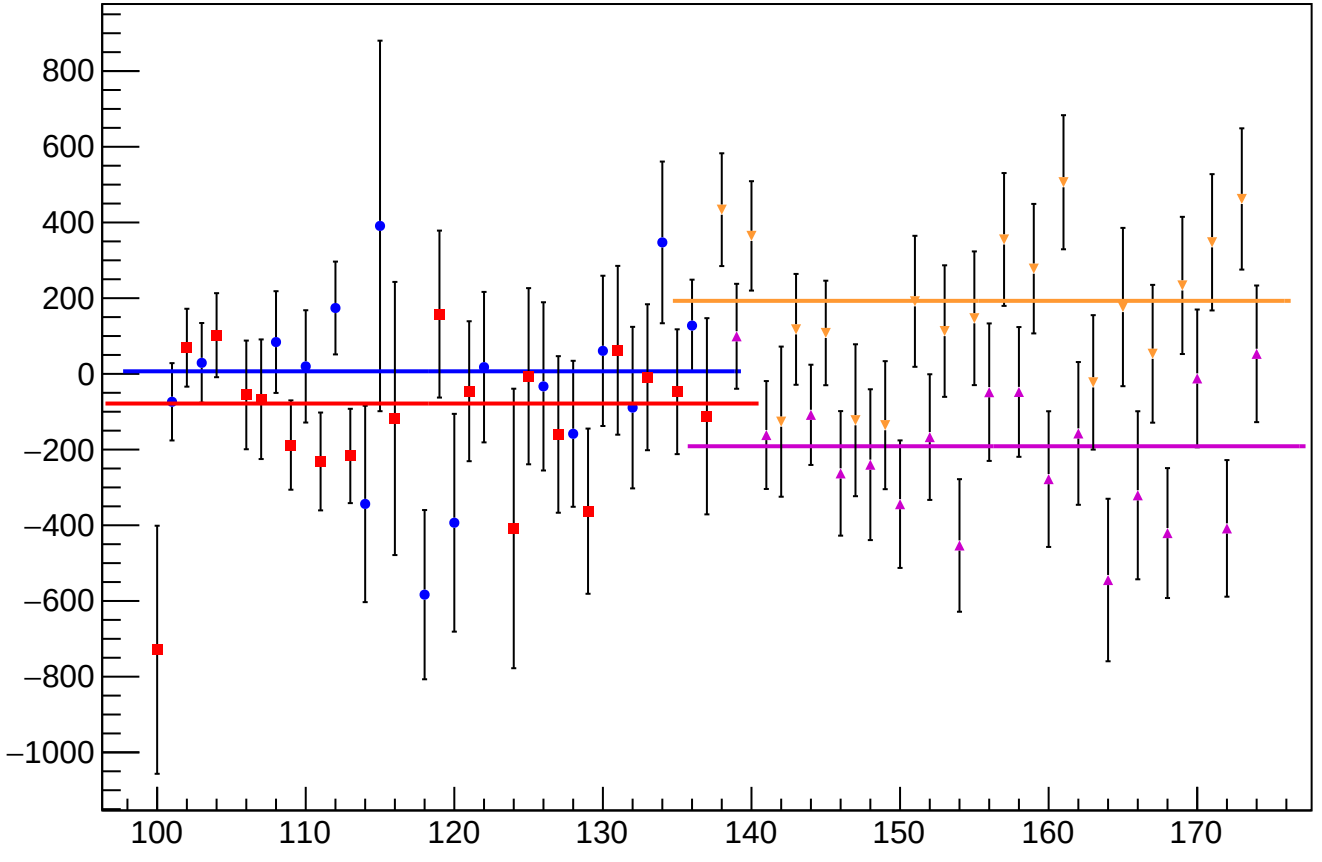
Left In: 956.193+/-0.177 χ^2/NDF:350335.6/17

+ sign 865.471+/-0.134 χ^2/NDF: 2785021.0/34

All: 847.745+/-0.093 χ^2/NDF: 6065223.2/71

- 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: 192.938+/-39.253 χ^2/NDF:22.9/18

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

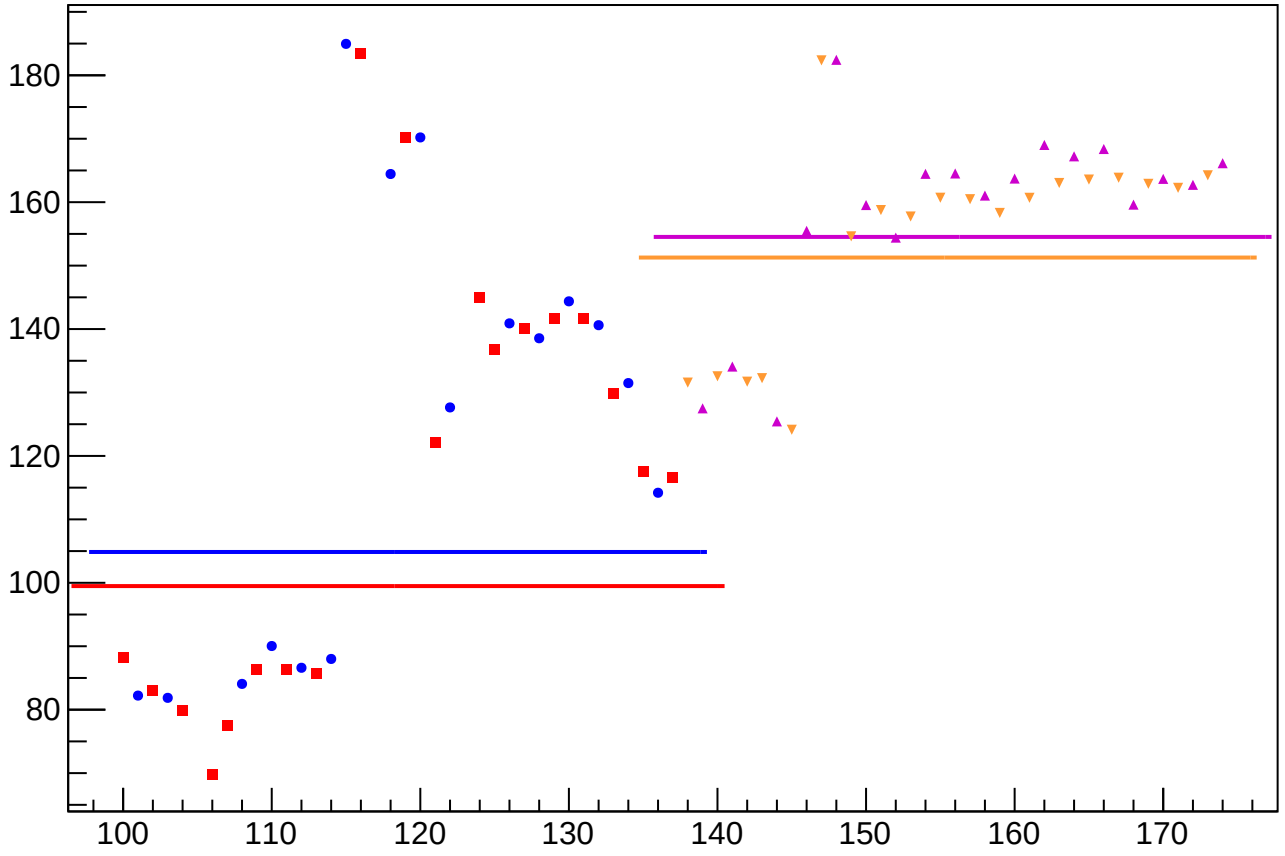
Left In: -191.209+/-40.304 χ^2/NDF:18.8/17

+ sign 102.441+/-28.137 χ^2/NDF: 52.7/34

All: -16.636+/-19.708 χ^2/NDF: 127.5/71

- 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: 151.272+/-0.028 χ^2/NDF:325100.5/18

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

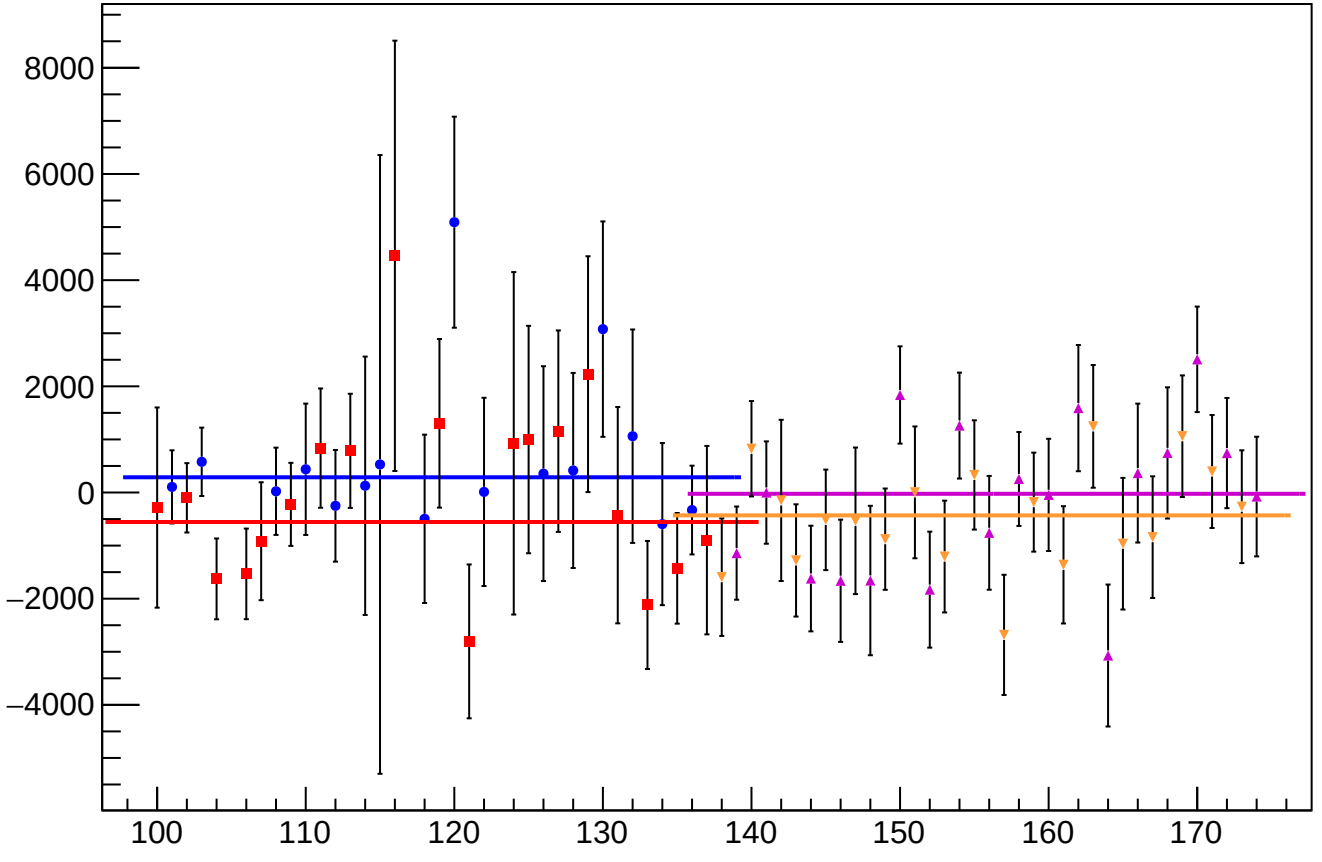
Left In: 154.524+/-0.028 χ^2/NDF:321177.9/17

+ sign 128.707+/-0.020 χ^2/NDF: 2615767.3/34

All: 126.982+/-0.014 χ^2/NDF: 5972030.3/71

- sign 125.320+/-0.020 χ^2/NDF: 3341496.2/36

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -430.629+/-249.534 χ^2/NDF:14.7/18

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

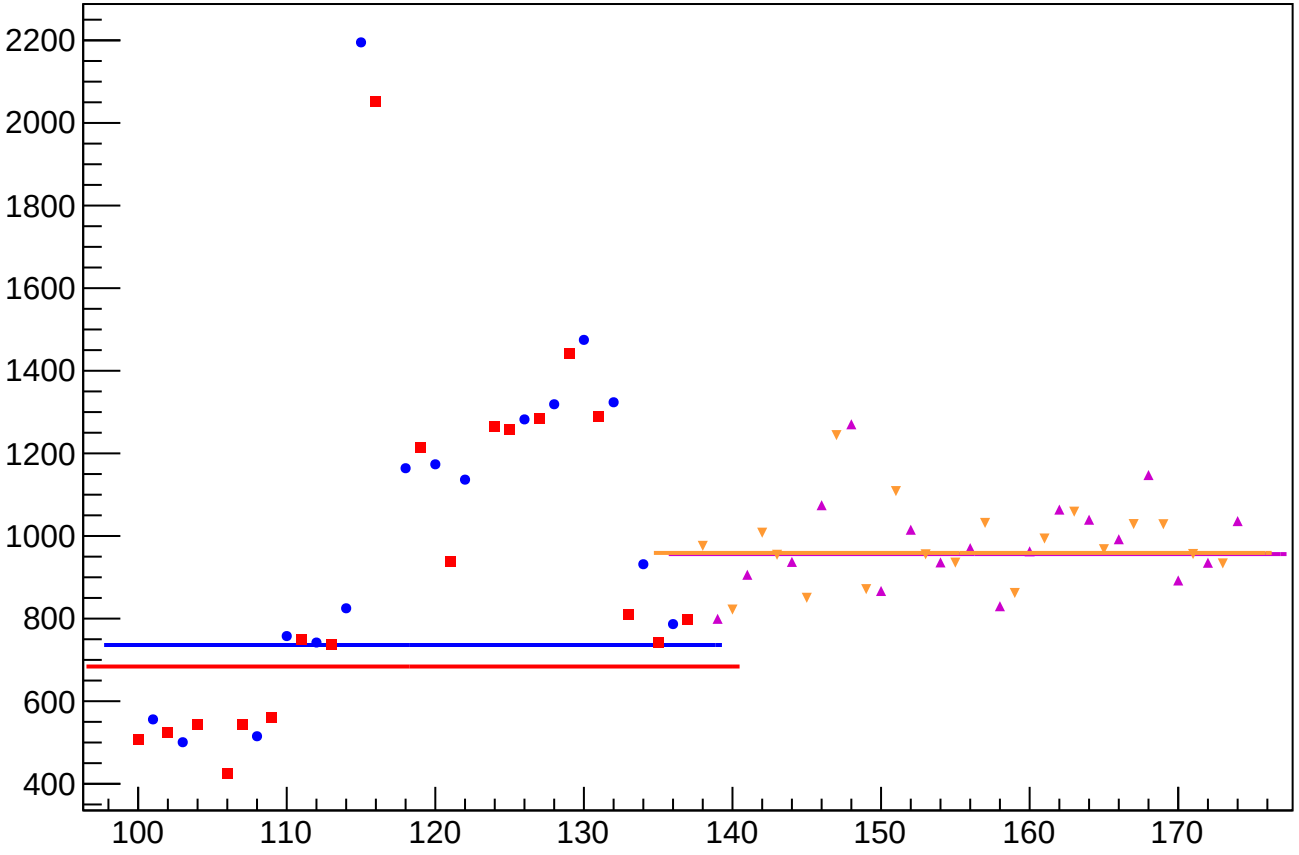
Left In: -24.222+/-250.339 χ^2/NDF:31.2/17

+ sign -129.541+/-190.104 χ^2/NDF: 27.8/34

All: -202.143+/-132.049 χ^2/NDF: 79.4/71

- 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: 959.015+/-0.176 χ^2/NDF:270709.6/18

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

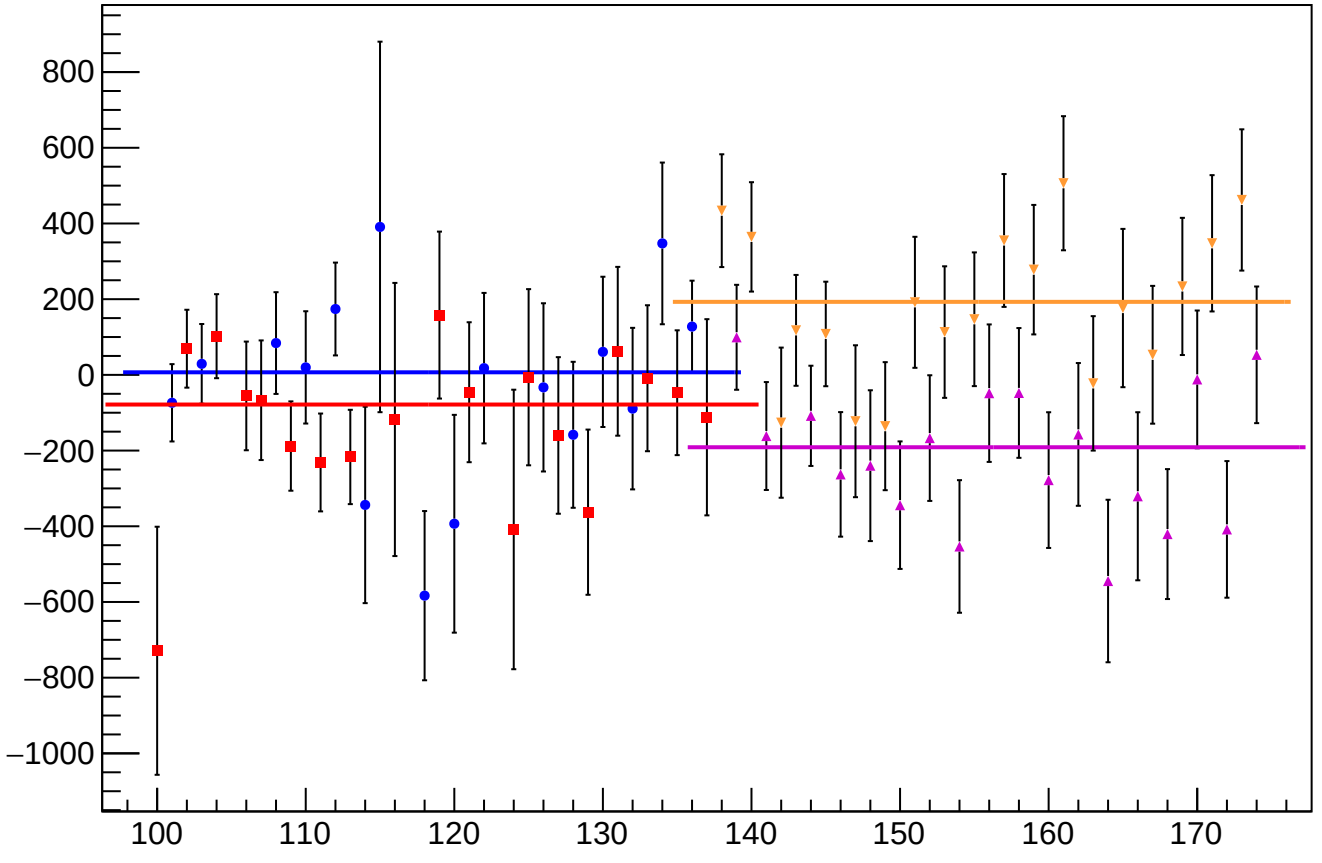
Left In: 956.193+/-0.177 χ^2/NDF:350337.8/17

+ sign 865.471+/-0.134 χ^2/NDF: 2785029.0/34

All: 847.287+/-0.093 χ^2/NDF: 6114487.8/71

- 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: 192.938+/-39.253 χ^2/NDF:22.9/18

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

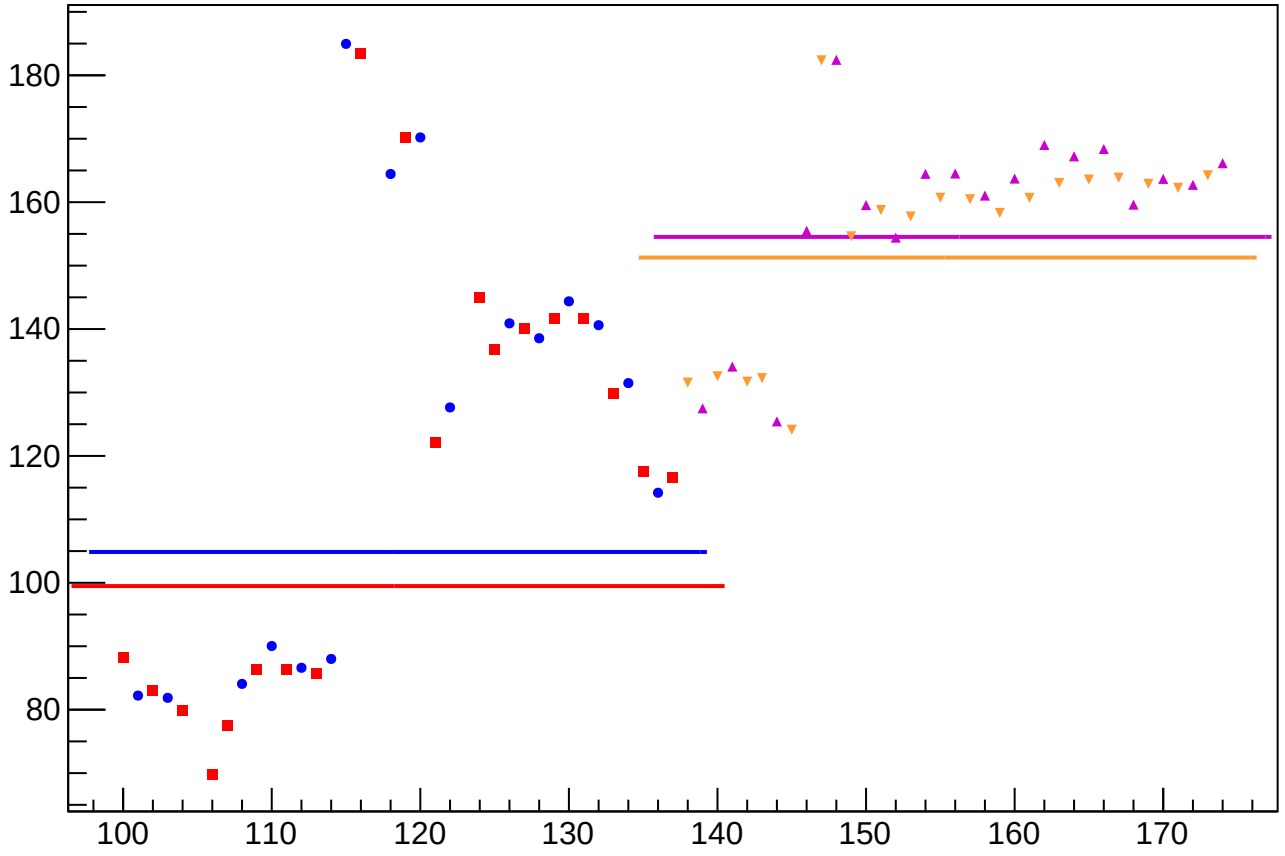
Left In: -191.209+/-40.304 χ^2/NDF:18.8/17

+ sign 102.441+/-28.137 χ^2/NDF: 52.7/34

All: -16.636+/-19.708 χ^2/NDF: 127.5/71

- sign -131.325+/-27.613 χ^2/NDF: 39.7/36

eigen_cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 151.272+/-0.028 χ^2/NDF:325100.5/18

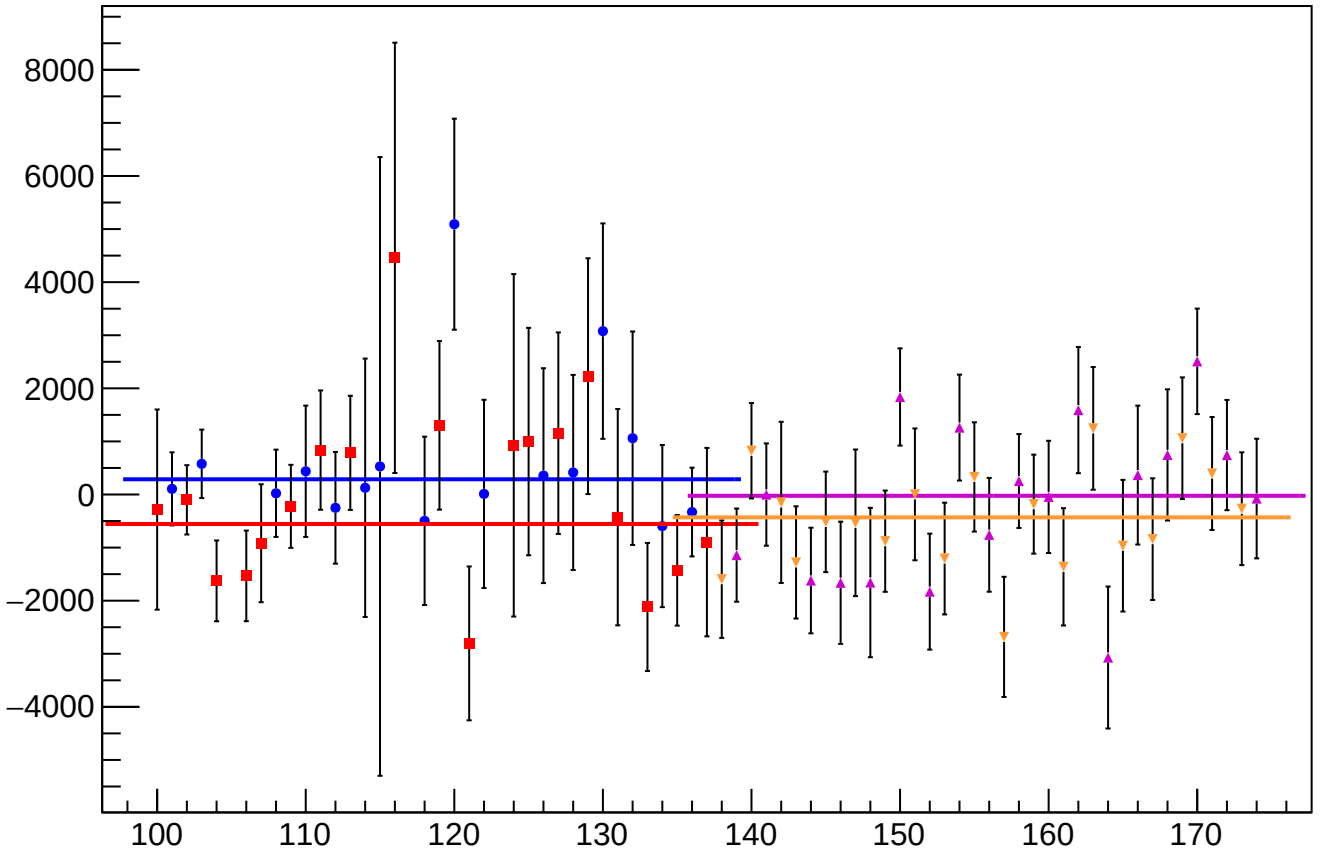
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 154.524+/-0.028 χ^2/NDF:321177.9/17

+ sign 128.707+/-0.020 χ^2/NDF: 2615767.3/34

All: 126.982+/-0.014 χ^2/NDF: 5972030.3/71

- 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: -430.629+/-249.534 χ^2/NDF:14.7/18

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

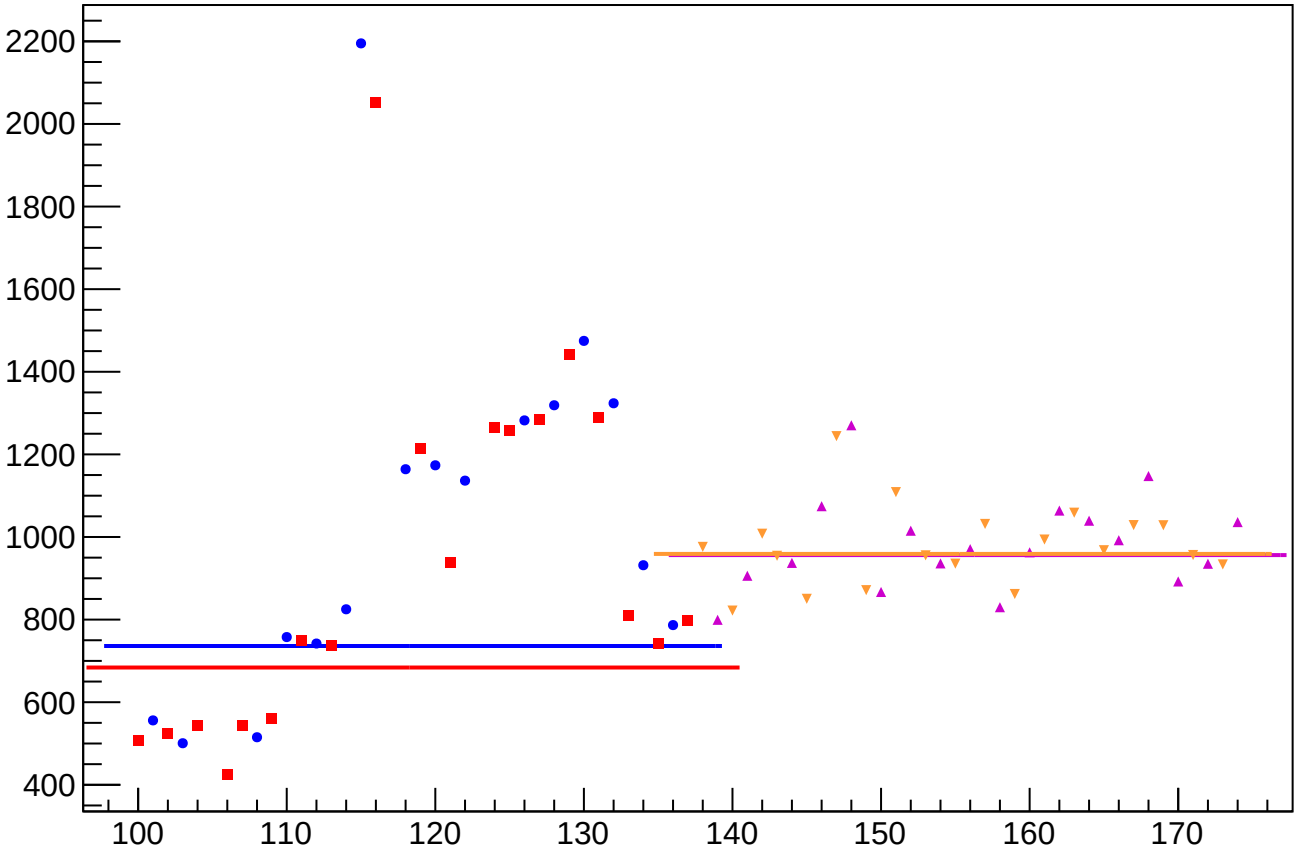
Left In: -24.222+/-250.339 χ^2/NDF:31.2/17

\+ sign -129.541+/-190.104 χ^2/NDF: 27.8/34

All: -202.143+/-132.049 χ^2/NDF: 79.4/71

\- 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: 959.015+/-0.176 χ^2/NDF:270709.6/18

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

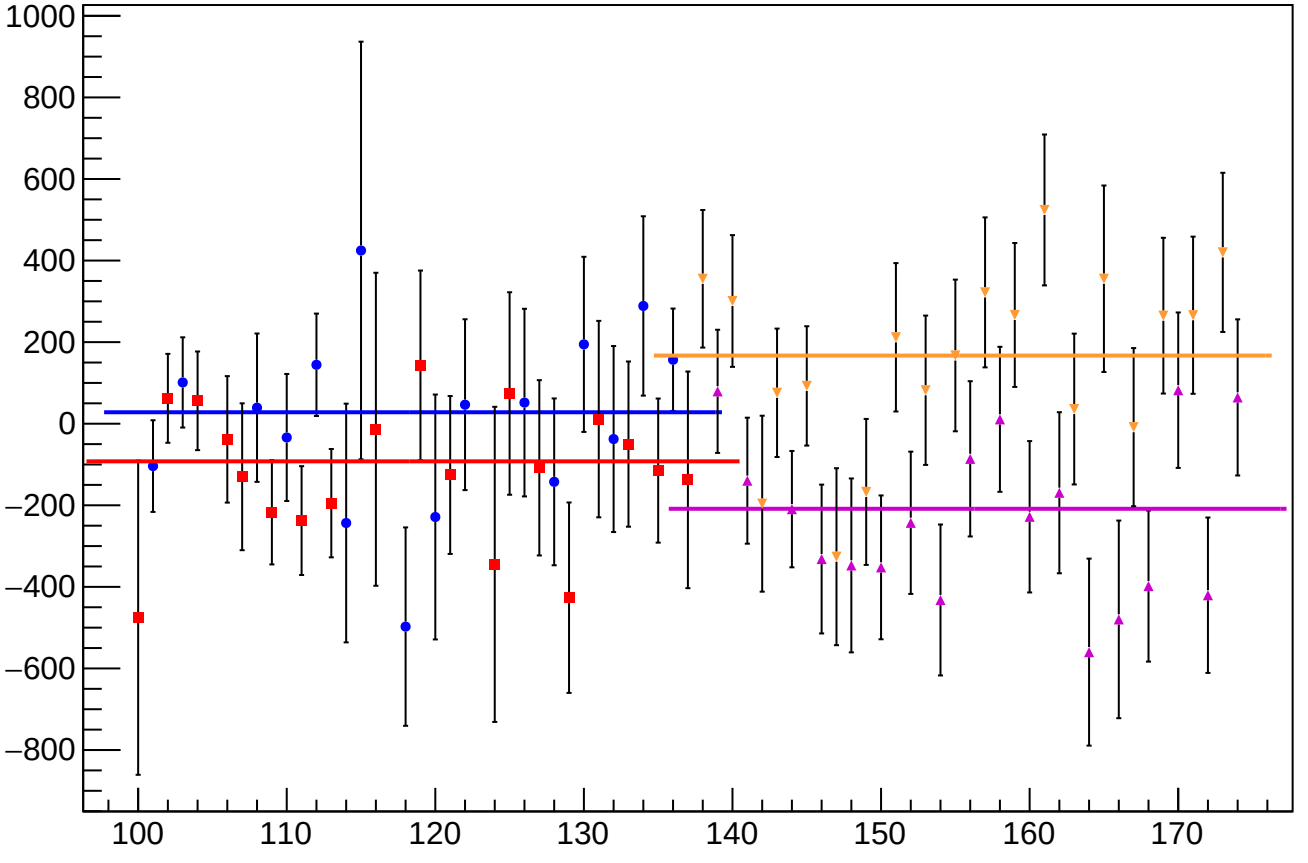
Left In: 956.193+/-0.177 χ^2/NDF:350337.8/17

+ sign 865.471+/-0.134 χ^2/NDF: 2785029.0/34

All: 847.287+/-0.093 χ^2/NDF: 6114487.8/71

- 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: 167.068+/-41.882 χ^2/NDF:23.3/18

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

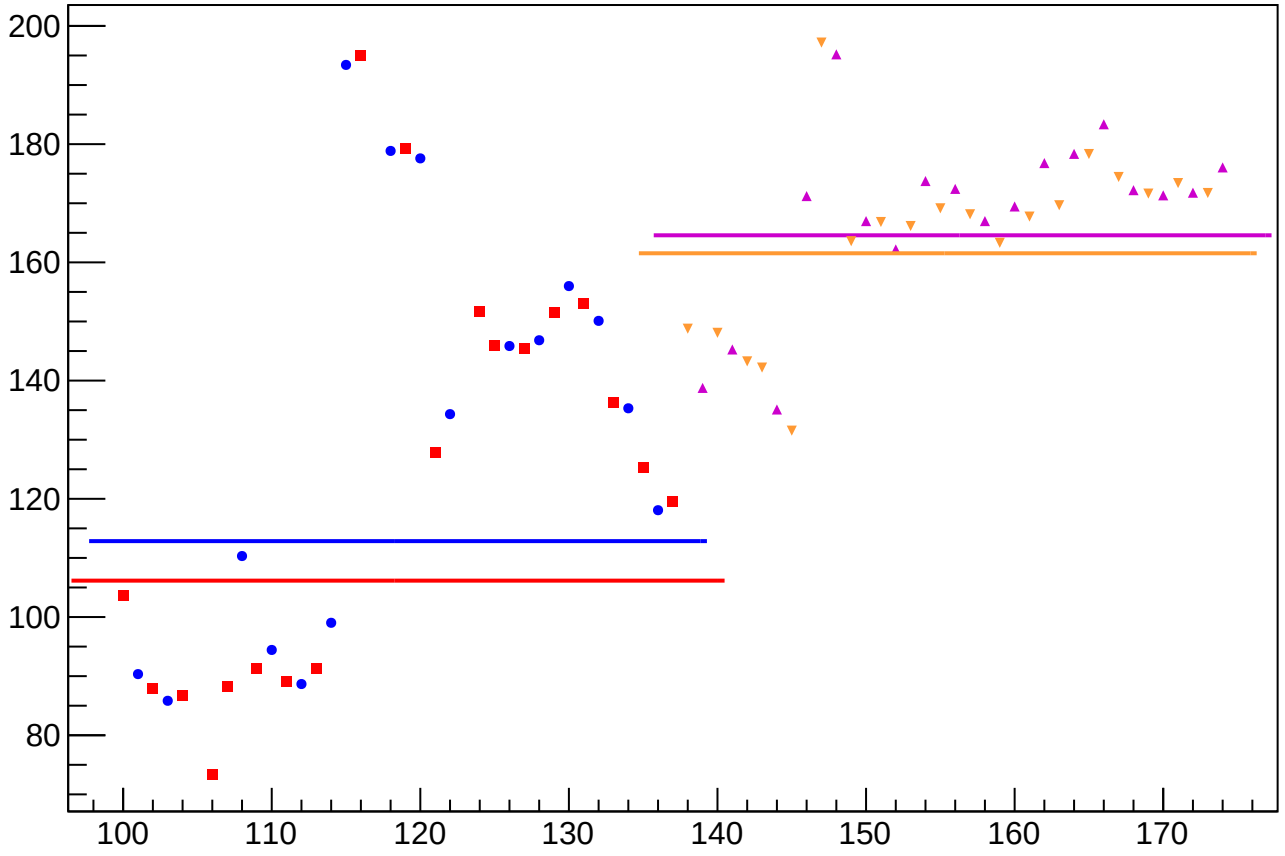
Left In: -208.562+/-42.922 χ^2/NDF:19.1/17

+ sign 100.116+/-30.150 χ^2/NDF: 42.1/34

All: -26.297+/-21.076 χ^2/NDF: 111.2/71

- 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: 161.538+/-0.030 χ^2/NDF:261805.7/18

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

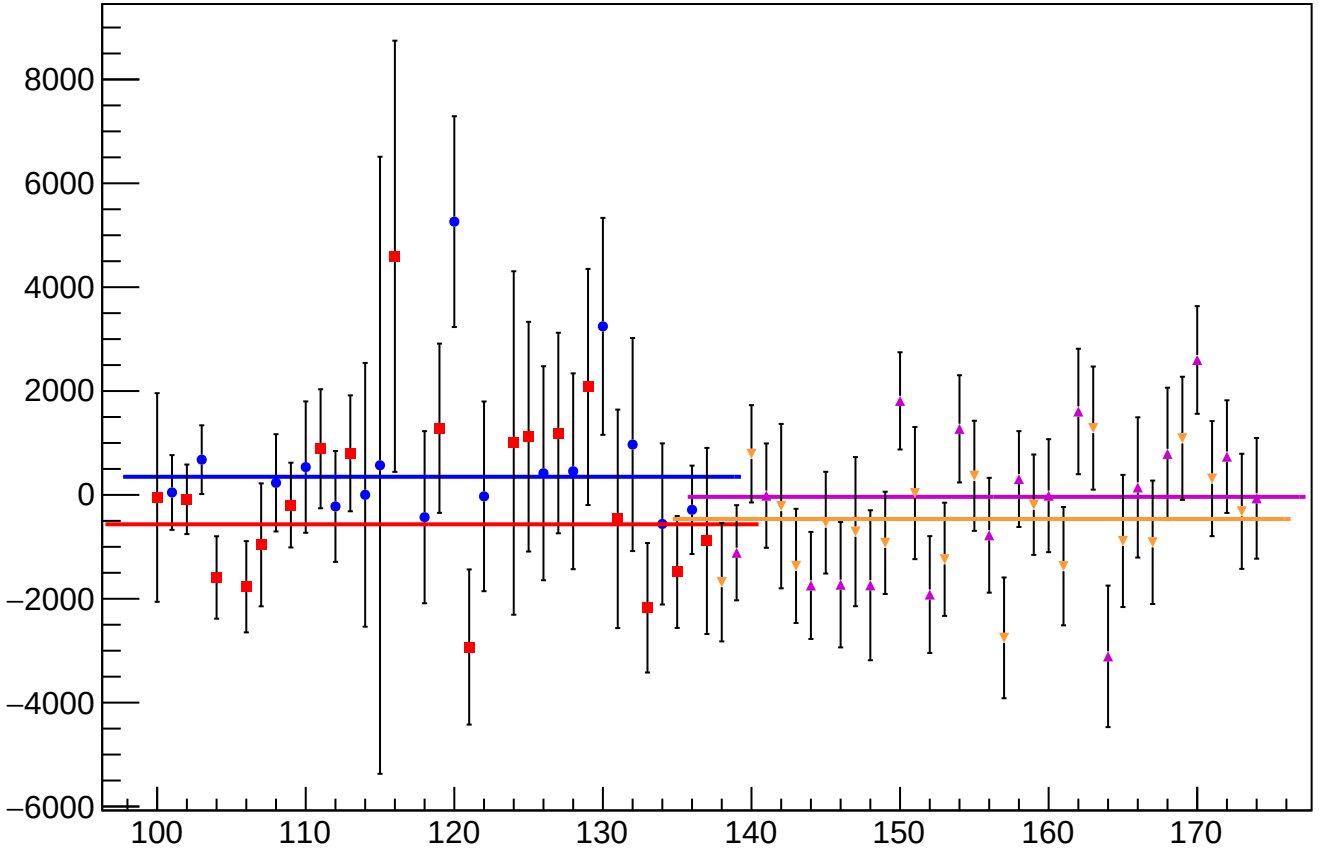
Left In: 164.581+/-0.030 χ^2/NDF:272715.0/17

+ sign 138.079+/-0.021 χ^2/NDF: 2436563.2/34

All: 135.841+/-0.015 χ^2/NDF: 5691332.1/71

- 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: -463.456+/-258.171 χ^2/NDF:14.4/18

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

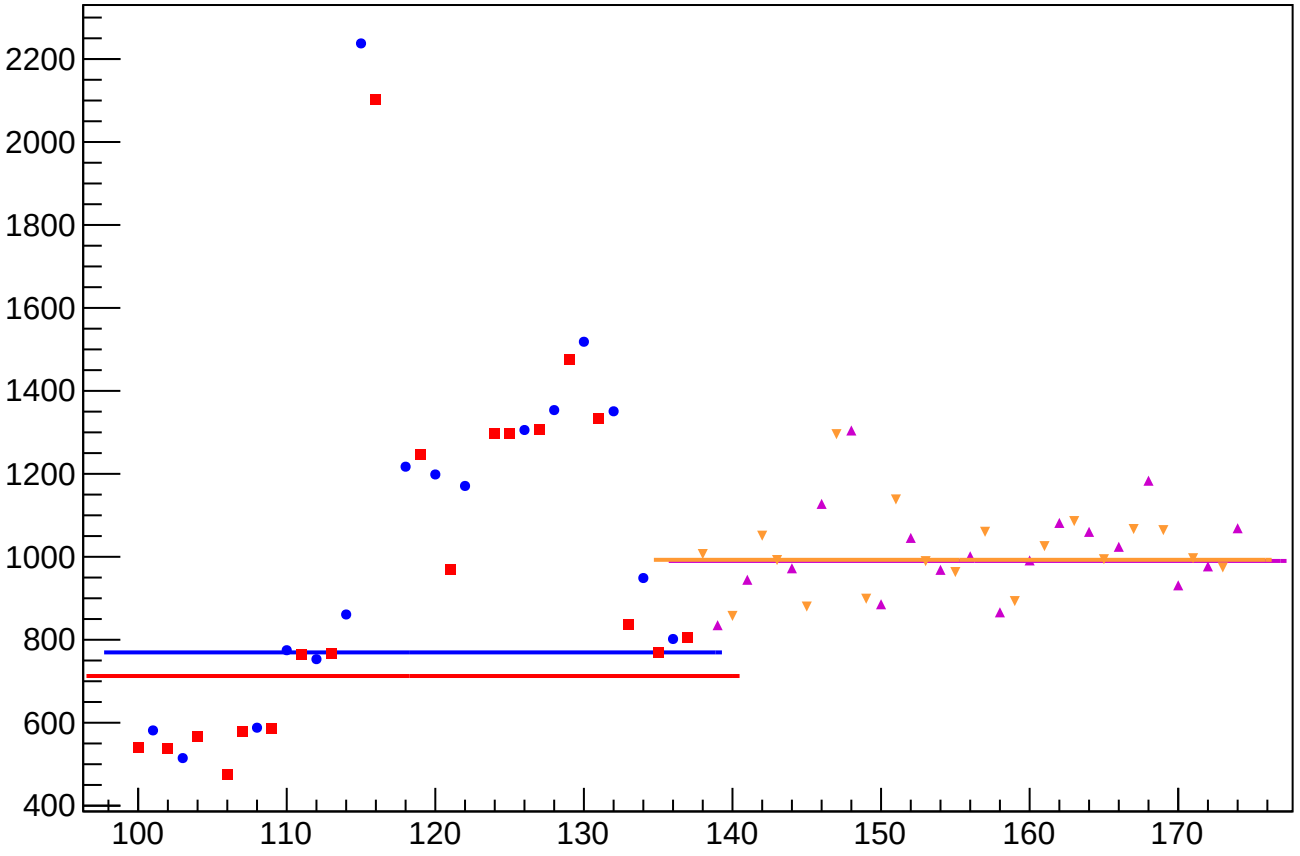
Left In: -37.498+/-259.019 χ^2/NDF:30.7/17

\+ sign -124.699+/-197.143 χ^2/NDF: 28.4/34

All: -206.271+/-136.766 χ^2/NDF: 79.6/71

\- 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: 992.755+/-0.183 χ^2/NDF:263769.8/18

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

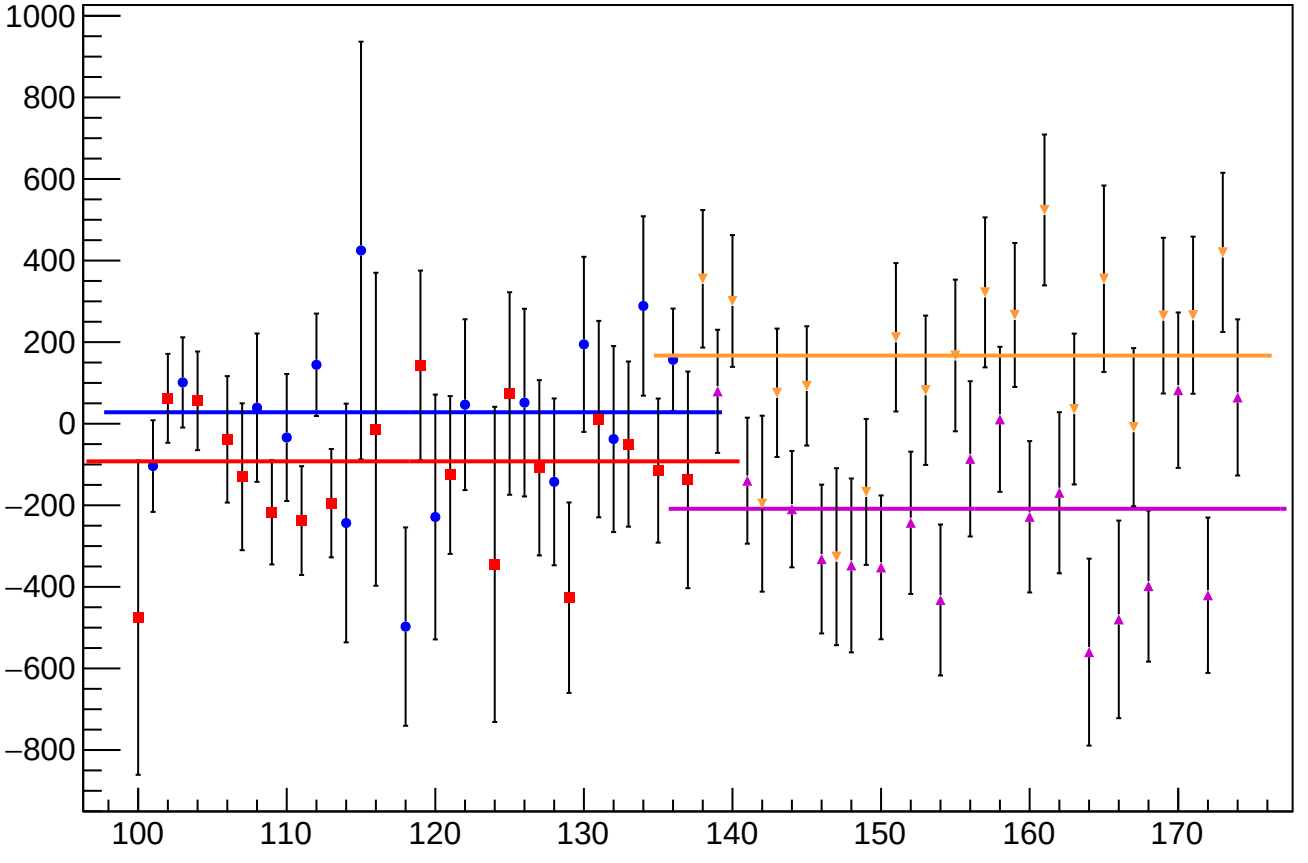
Left In: 990.036+/-0.183 χ^2/NDF:329578.7/17

+ sign 899.705+/-0.139 χ^2/NDF: 2626898.7/34

All: 880.006+/-0.097 χ^2/NDF: 5823257.2/71

- 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: 167.069+/-41.882 χ^2/NDF:23.3/18

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

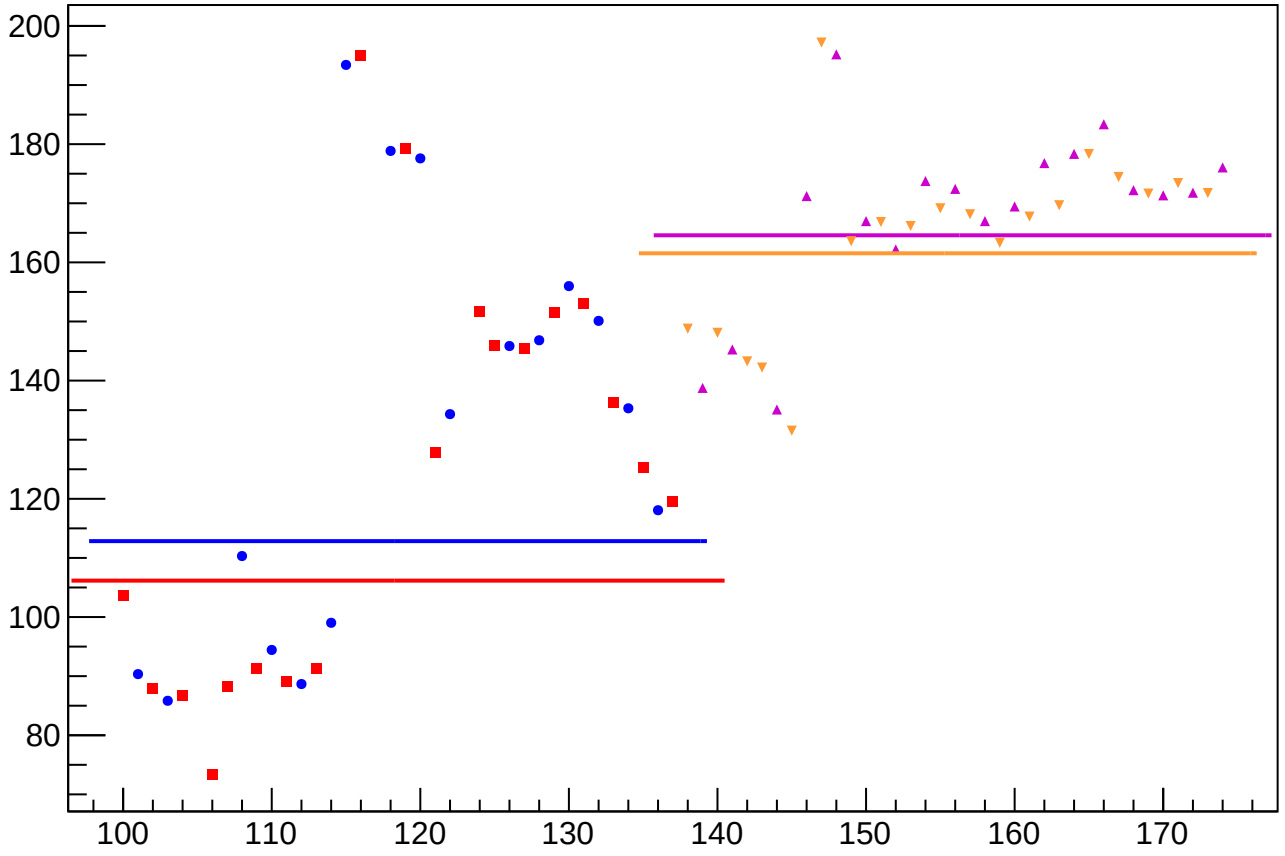
Left In: -208.563+/-42.922 χ^2/NDF:19.1/17

+ sign 100.116+/-30.150 χ^2/NDF: 42.1/34

All: -26.298+/-21.076 χ^2/NDF: 111.2/71

- sign -147.086+/-29.472 χ^2/NDF: 34.7/36

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 161.539+/-0.030 χ^2/NDF:261806.1/18

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

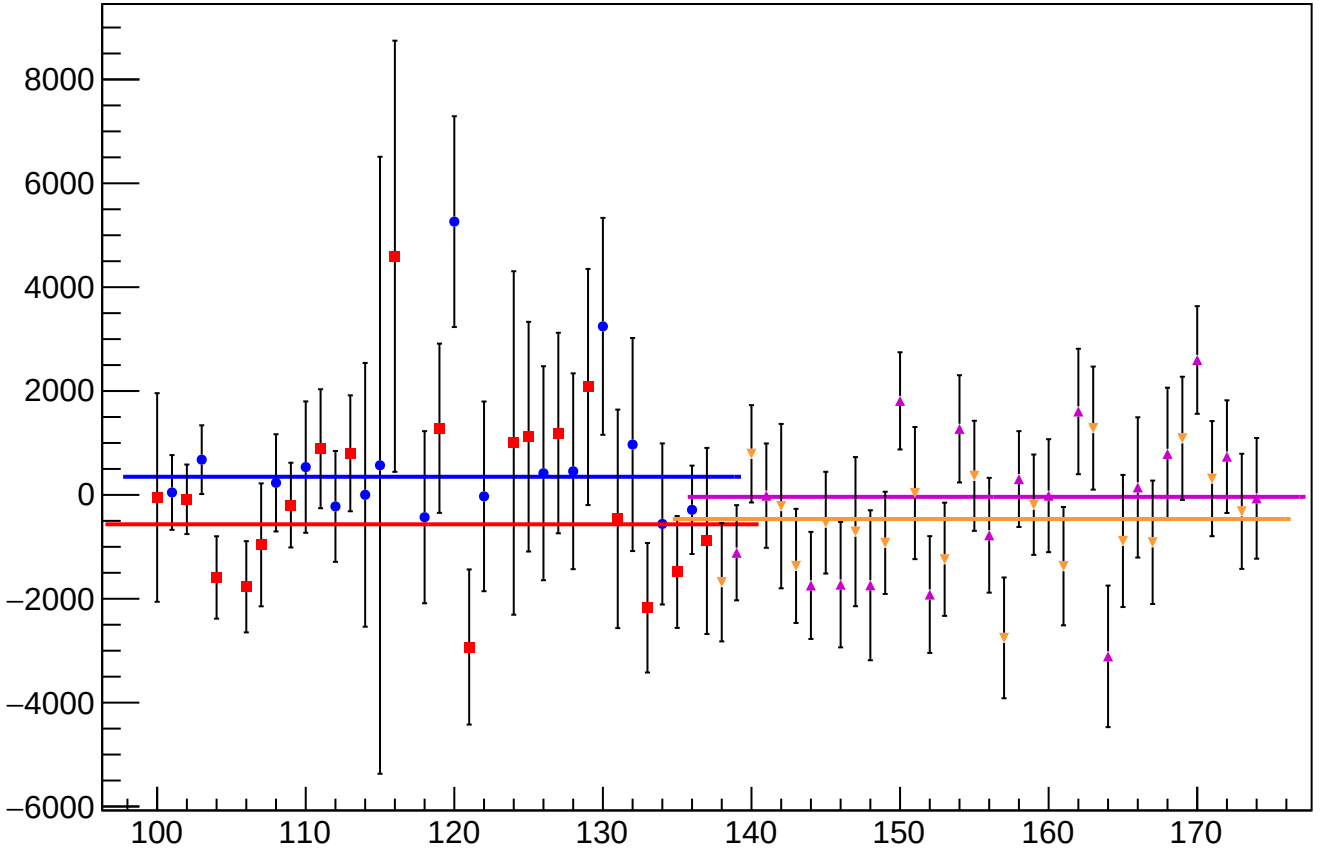
Left In: 164.581+/-0.030 χ^2/NDF:272710.0/17

+ sign 138.079+/-0.021 χ^2/NDF: 2436586.0/34

All: 135.841+/-0.015 χ^2/NDF: 5691373.1/71

- 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: -463.455+/-258.172 χ^2/NDF:14.4/18

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

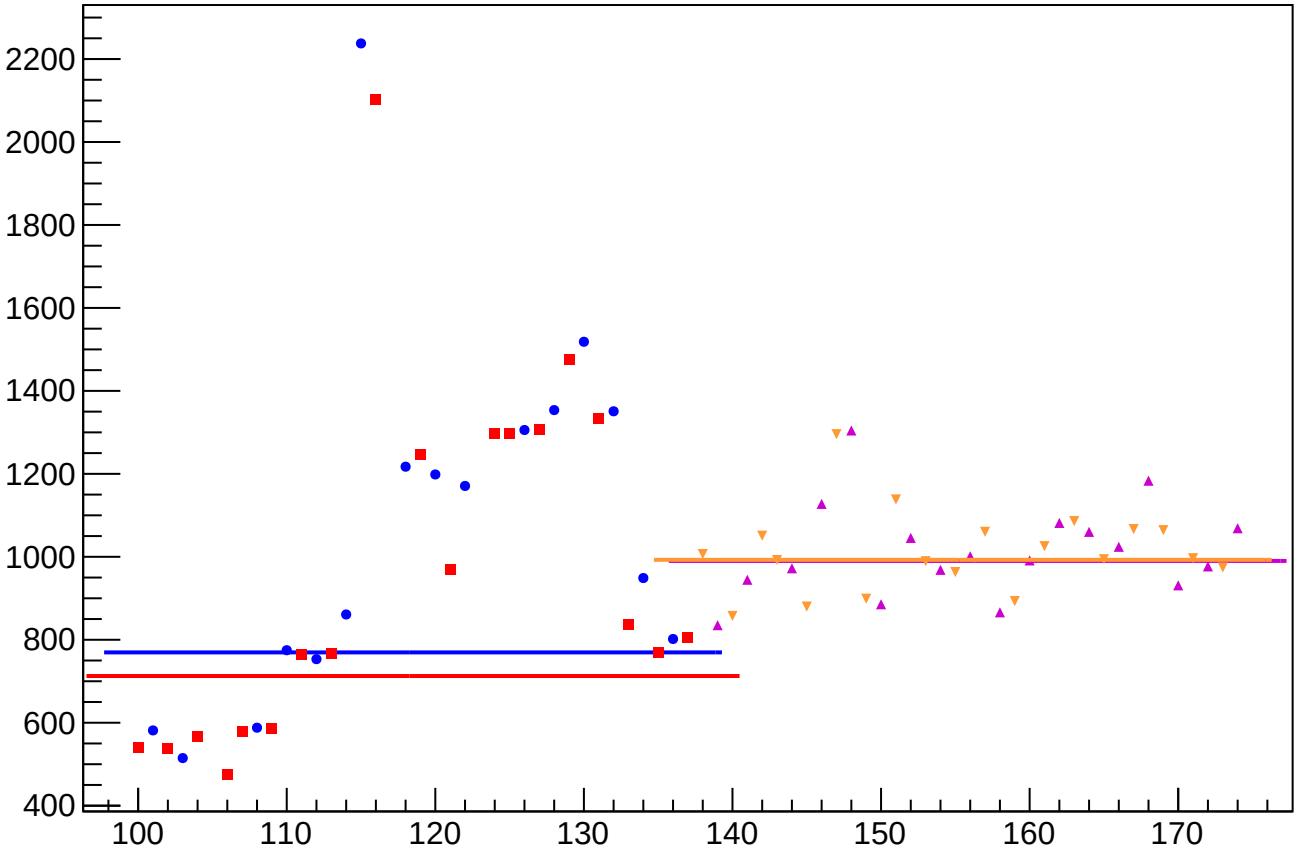
Left In: -37.498+/-259.019 χ^2/NDF:30.7/17

\+ sign -124.698+/-197.143 χ^2/NDF: 28.4/34

All: -206.271+/-136.766 χ^2/NDF: 79.6/71

\- 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: 992.757+/-0.183 χ^2/NDF:263769.6/18

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

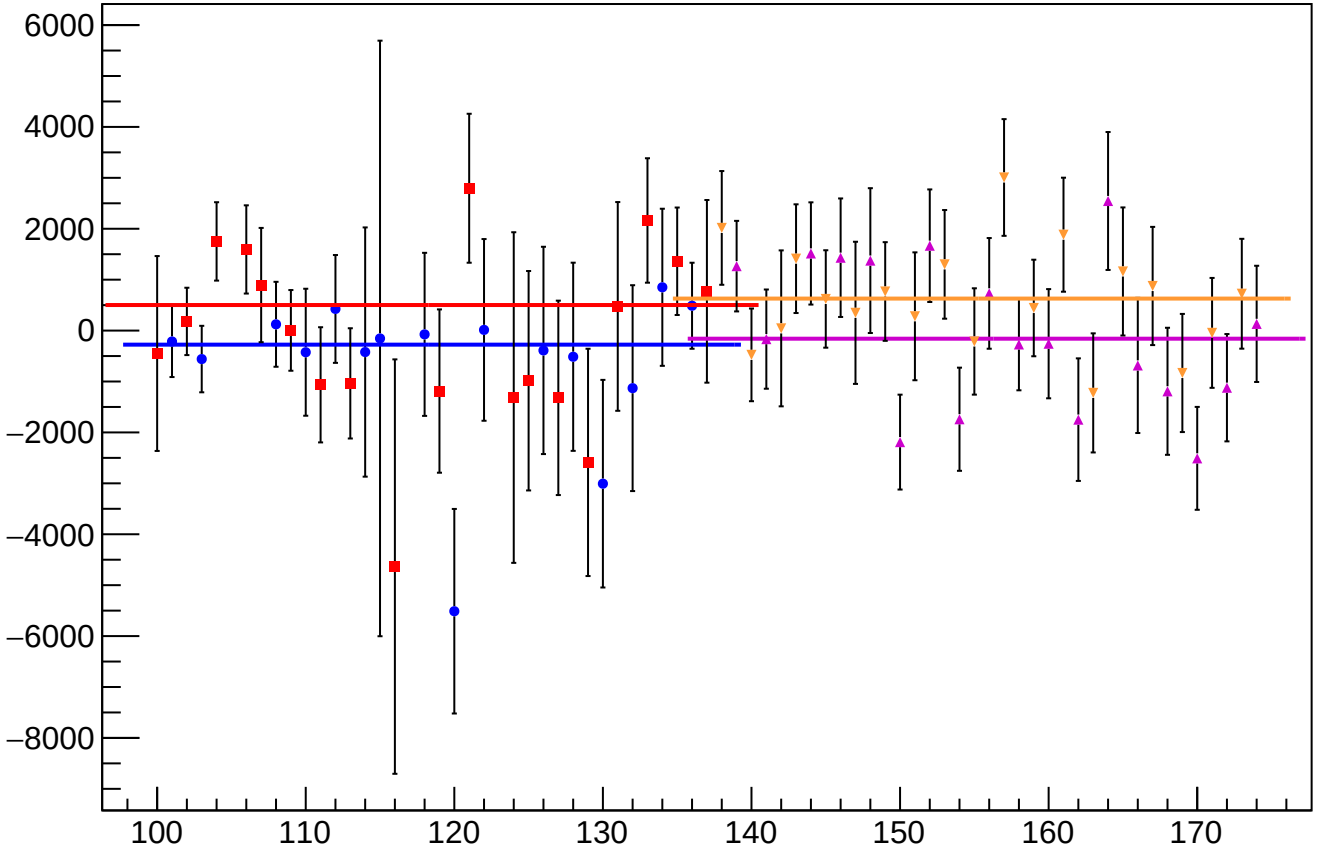
Left In: 990.038+/-0.183 χ^2/NDF:329578.2/17

+ sign 899.705+/-0.139 χ^2/NDF: 2626911.4/34

All: 880.006+/-0.097 χ^2/NDF: 5823283.4/71

- 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: 628.601+/-252.778 χ^2/NDF:15.2/18

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

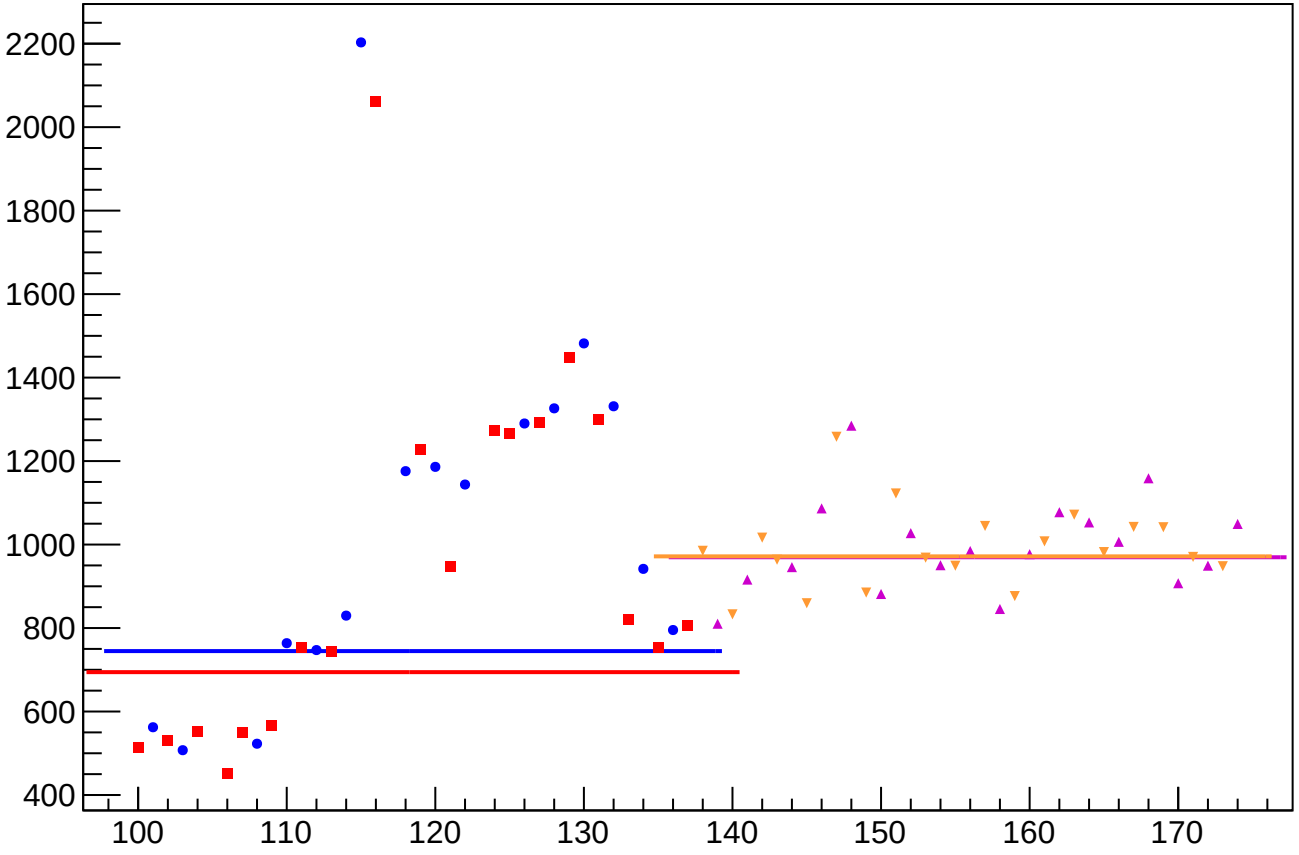
Left In: -159.284+/-253.770 χ^2/NDF:31.9/17

+ sign 248.078+/-192.417 χ^2/NDF: 31.7/34

All: 195.921+/-133.683 χ^2/NDF: 87.3/71

- 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: 971.709+/-0.179 χ^2/NDF:266858.5/18

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

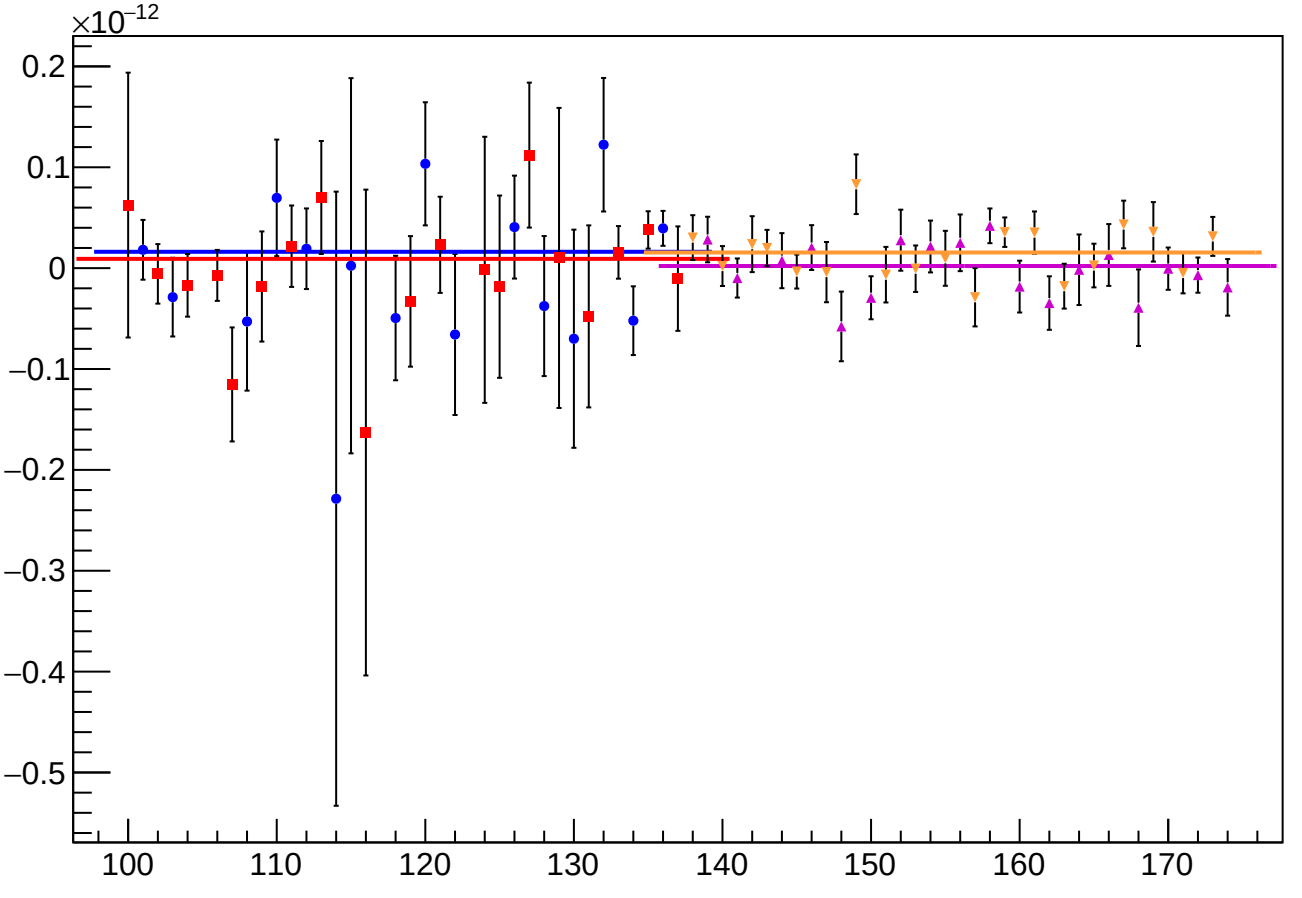
Left In: 969.578+/-0.179 χ^2/NDF:341305.5/17

+ sign 876.273+/-0.136 χ^2/NDF: 2767287.3/34

All: 858.539+/-0.095 χ^2/NDF: 6035726.3/71

- 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:20.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

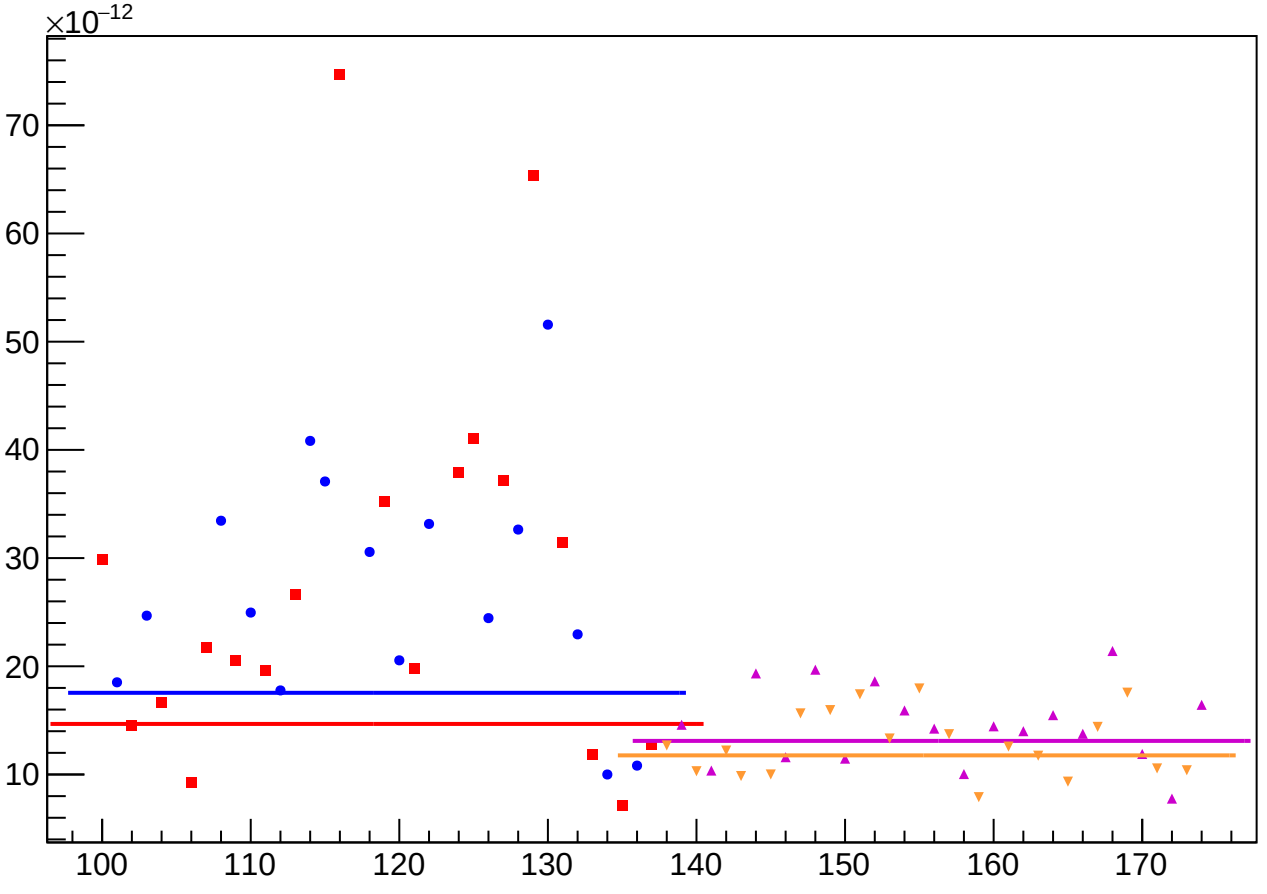
Left In: 0.000+/-0.000 χ^2/NDF:19.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 38.4/34

All: 0.000+/-0.000 χ^2/NDF: 75.6/71

- sign 0.000+/-0.000 χ^2/NDF: 34.2/36

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:625966.1/18

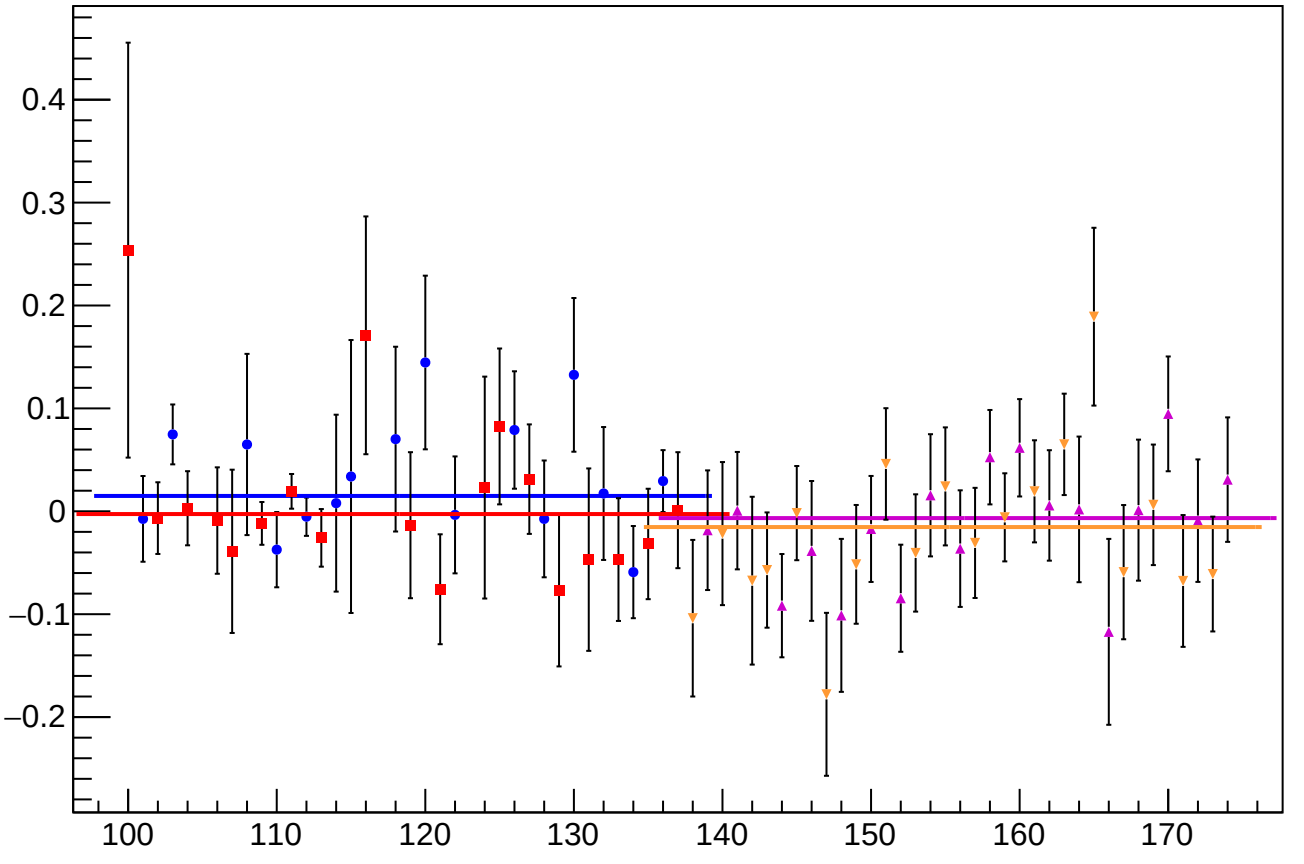
Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

Left In: 0.000+/-0.000 χ^2/NDF:739014.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 2262589.3/34

All: 0.000+/-0.000 χ^2/NDF: 4807183.6/71

- sign 0.000+/-0.000 χ^2/NDF: 2521416.9/36



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/18

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

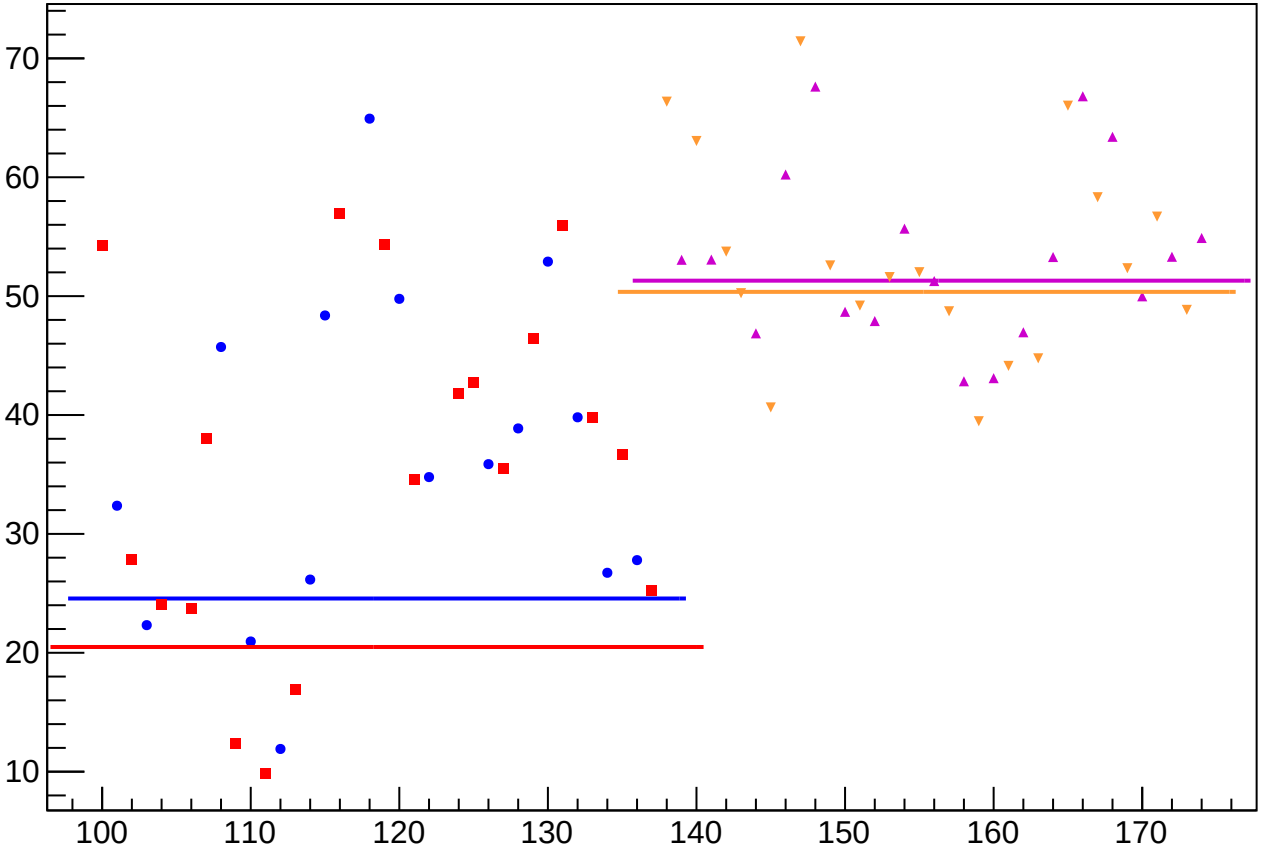
Left In: -0.007+/-0.014 χ^2/NDF:16.5/17

+ sign 0.003+/-0.008 χ^2/NDF: 40.7/34

All: -0.001+/-0.006 χ^2/NDF: 70.1/71

- sign -0.004+/-0.008 χ^2/NDF: 29.0/36

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.360+/-0.009 χ^2/NDF:704140.2/18

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

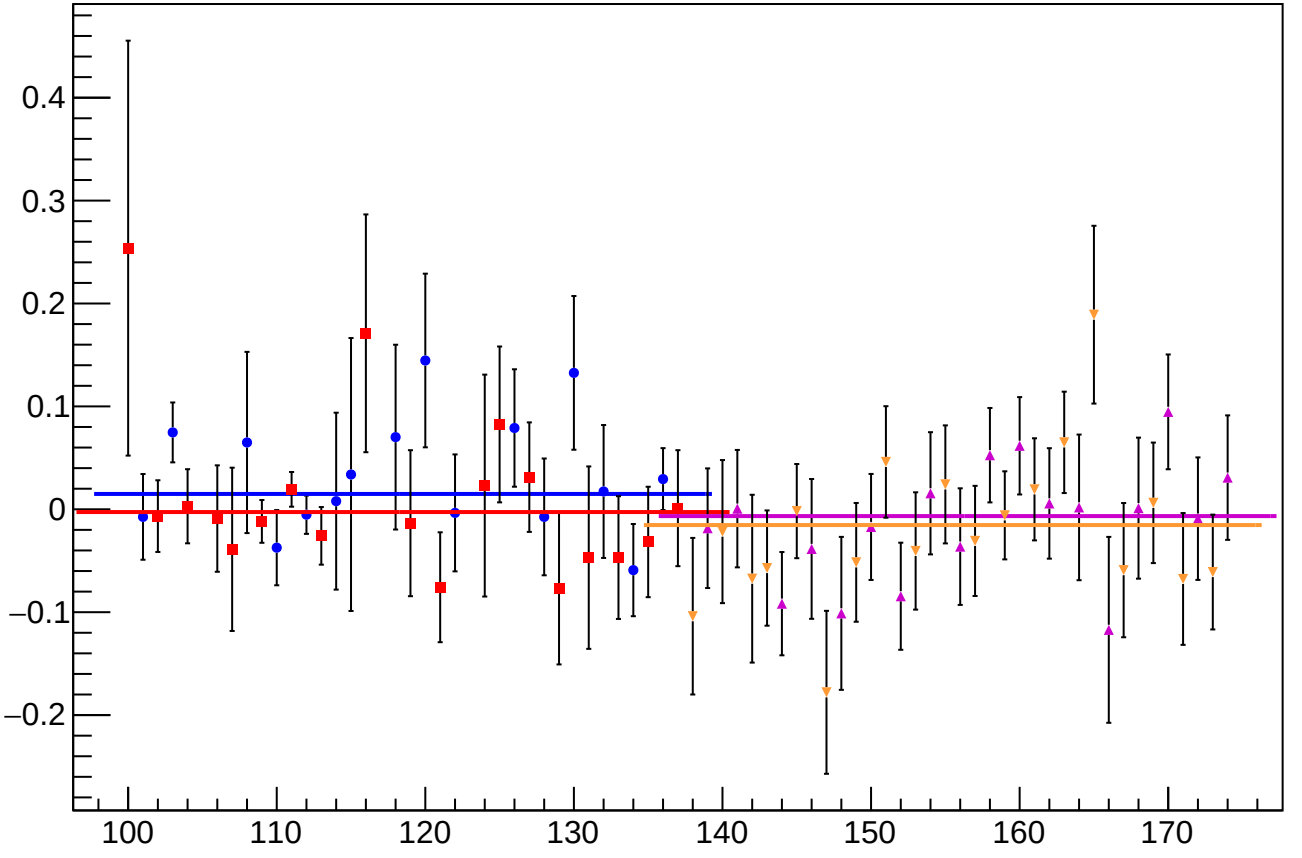
Left In: 51.301+/-0.010 χ^2/NDF:449486.8/17

+ sign 34.597+/-0.006 χ^2/NDF: 7805150.2/34

All: 32.229+/-0.004 χ^2/NDF: 19184258.8/71

- 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:19.8/18

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

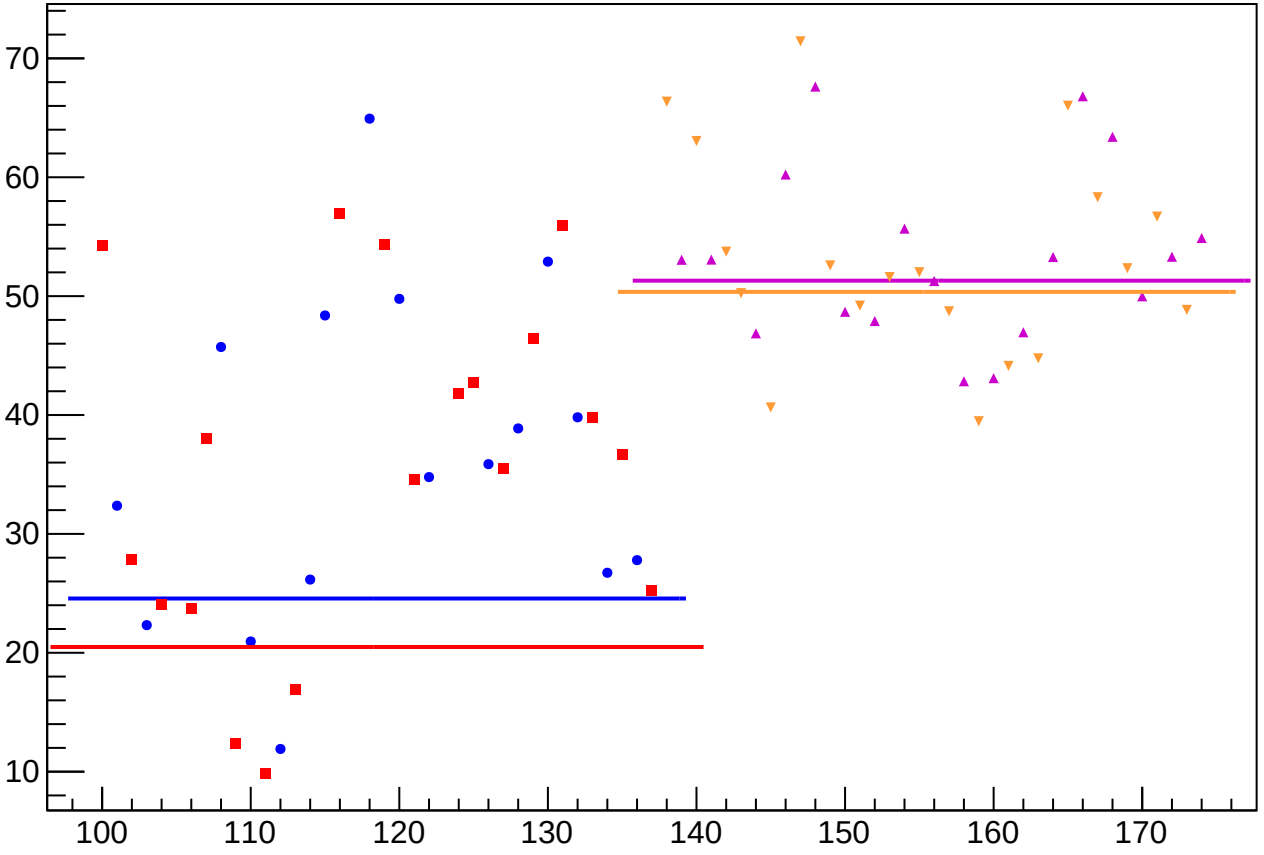
Left In: -0.007+/-0.014 χ^2/NDF:16.5/17

+ sign 0.003+/-0.008 χ^2/NDF: 40.7/34

All: -0.001+/-0.006 χ^2/NDF: 70.1/71

- 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: 50.360+/-0.009 χ^2/NDF:704140.2/18

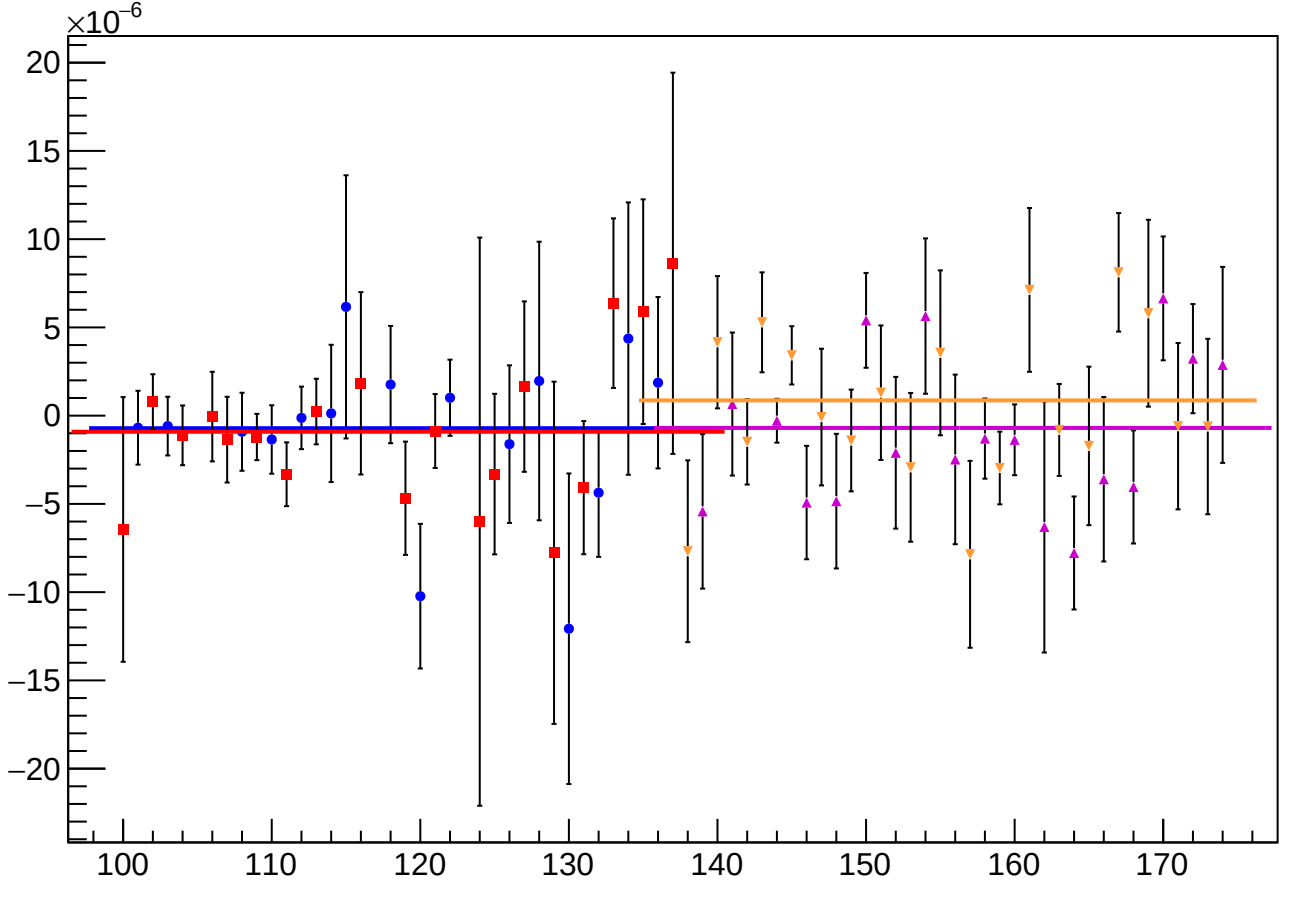
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.301+/-0.010 χ^2/NDF:449486.8/17

+ sign 34.597+/-0.006 χ^2/NDF: 7805150.2/34

All: 32.229+/-0.004 χ^2/NDF: 19184258.8/71

- 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:25.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

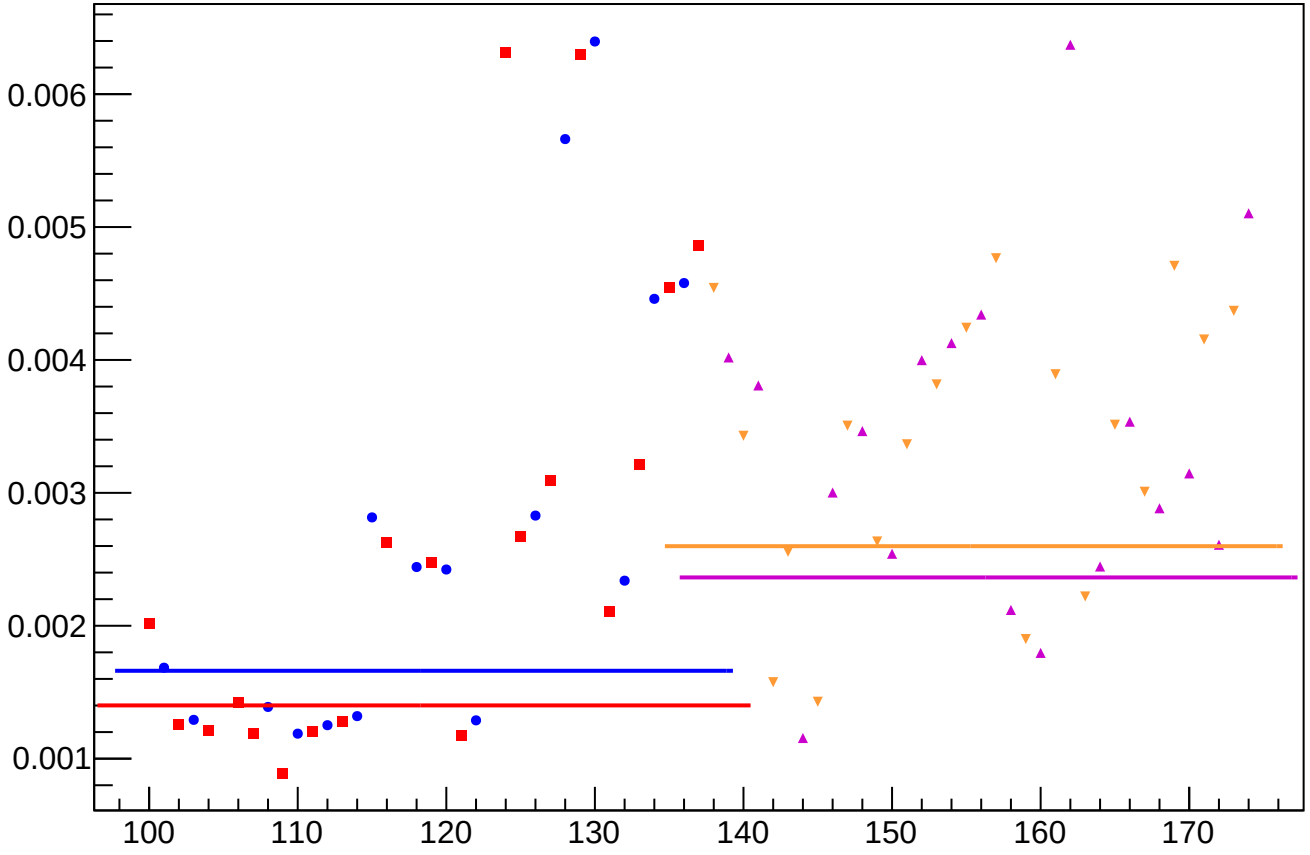
Left In: -0.000+/-0.000 χ^2/NDF:25.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 39.3/34

All: -0.000+/-0.000 χ^2/NDF: 78.2/71

- sign -0.000+/-0.000 χ^2/NDF: 37.3/36

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:4015958.2/18

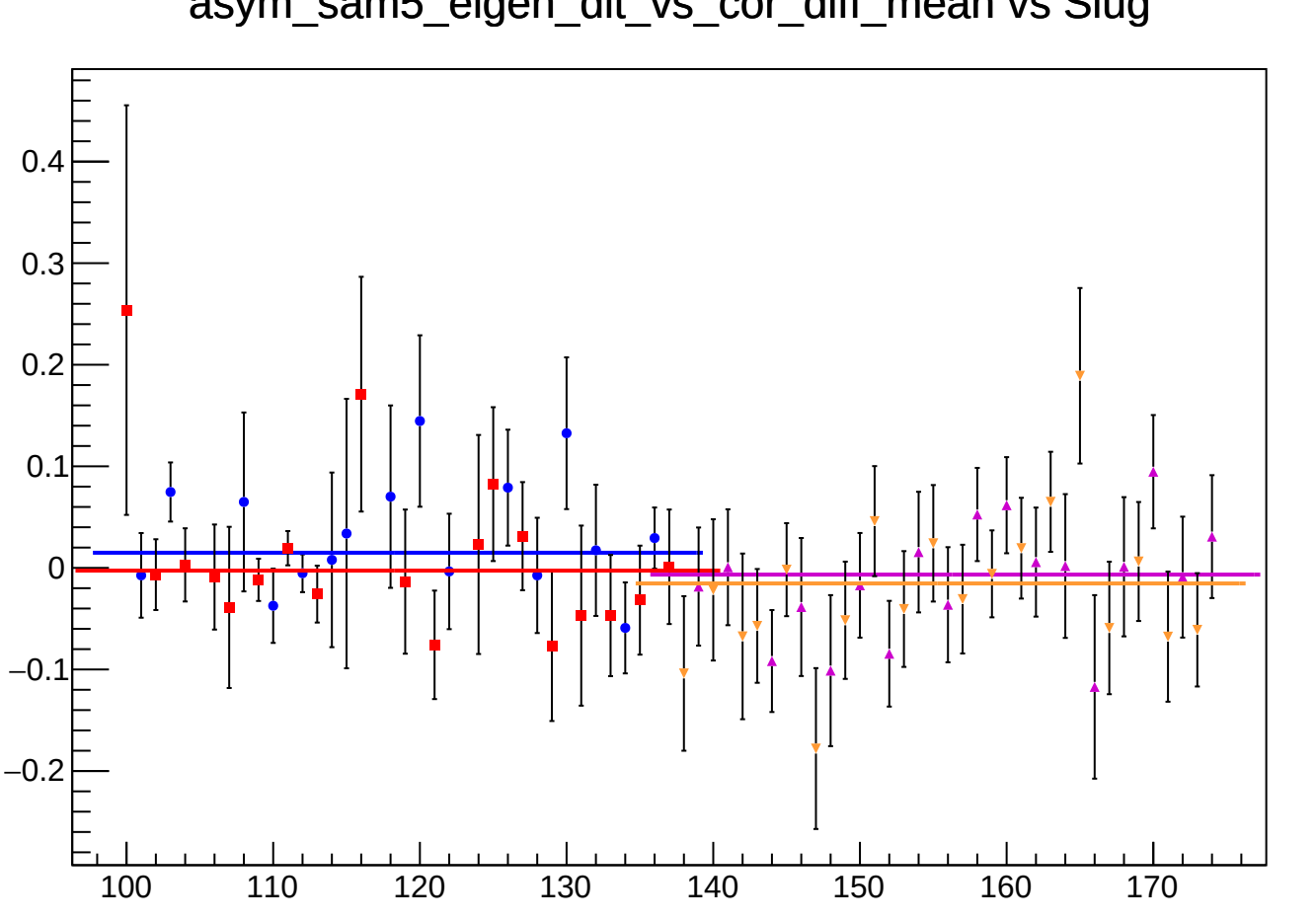
Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:5235591.0/17

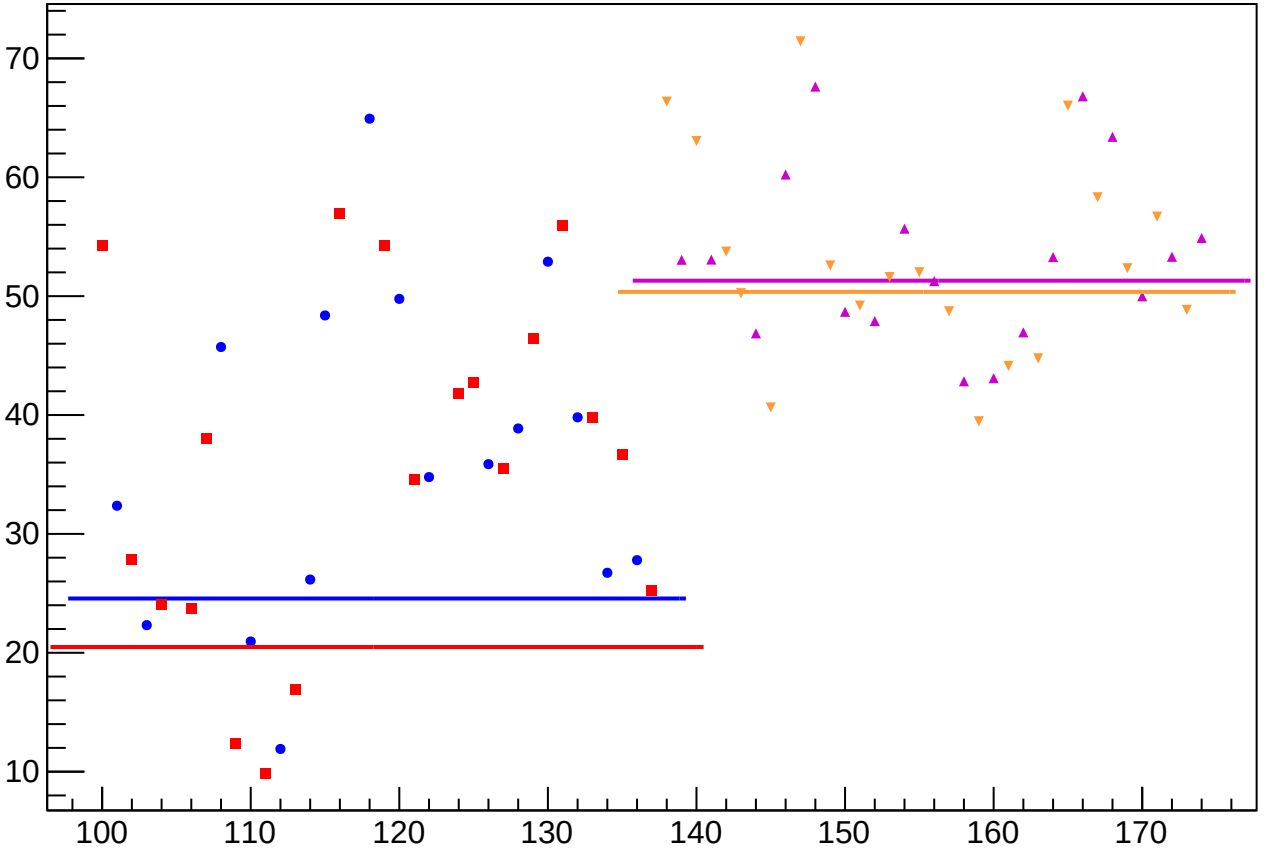
+ sign 0.002+/-0.000 χ^2/NDF: 8666472.4/34

All: 0.002+/-0.000 χ^2/NDF: 19487985.6/71

- sign 0.002+/-0.000 χ^2/NDF: 10431653.4/36


asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.015+/-0.013 χ²/NDF:19.8/18
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.007+/-0.014 χ²/NDF:16.5/17
+ sign 0.003+/-0.008 χ²/NDF: 40.7/34
All: -0.001+/-0.006 χ²/NDF: 70.1/71
- sign -0.004+/-0.008 χ²/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: 50.360+/-0.009 χ^2/NDF:704260.2/18

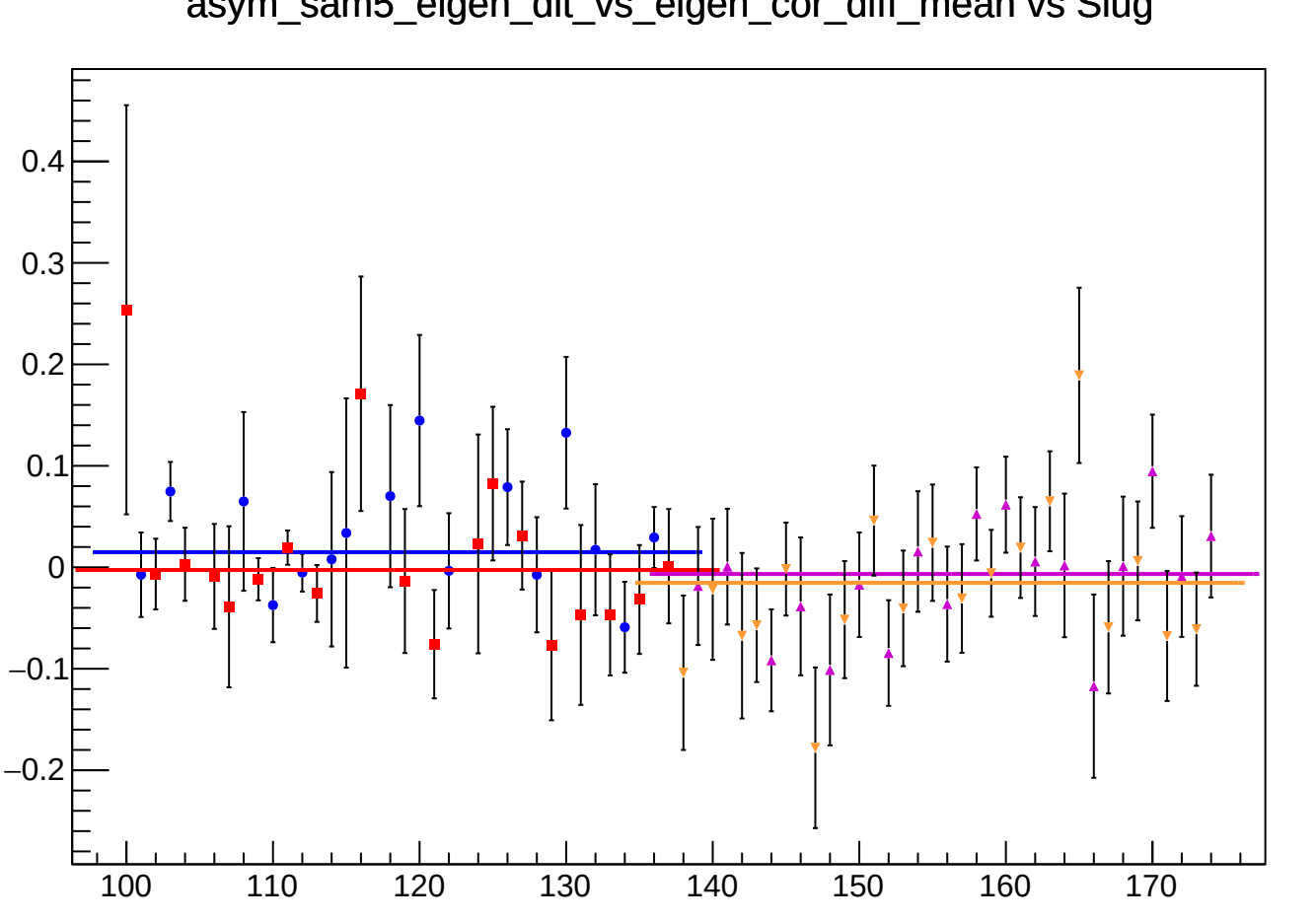
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

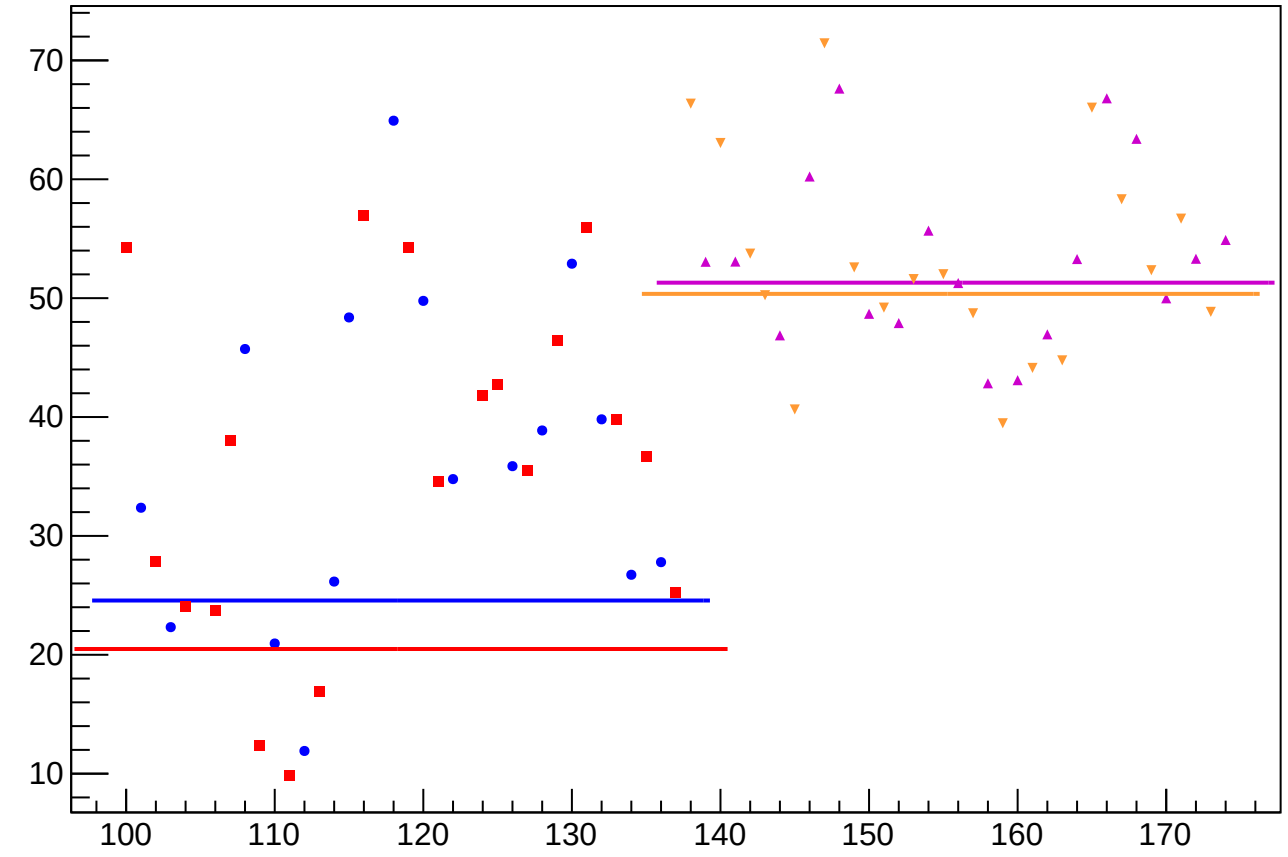
Left In: 51.301+/-0.010 χ^2/NDF:449596.3/17

+ sign 34.596+/-0.006 χ^2/NDF: 7805479.7/34

All: 32.228+/-0.004 χ^2/NDF: 19185066.8/71

- sign 30.215+/-0.005 χ^2/NDF: 11076658.7/36


asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.015+/-0.013 χ²/NDF:19.8/18
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.007+/-0.014 χ²/NDF:16.5/17
+ sign 0.003+/-0.008 χ²/NDF: 40.7/34
All: -0.001+/-0.006 χ²/NDF: 70.1/71
- sign -0.004+/-0.008 χ²/NDF: 29.0/36



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.360+/-0.009 χ^2/NDF:704260.2/18

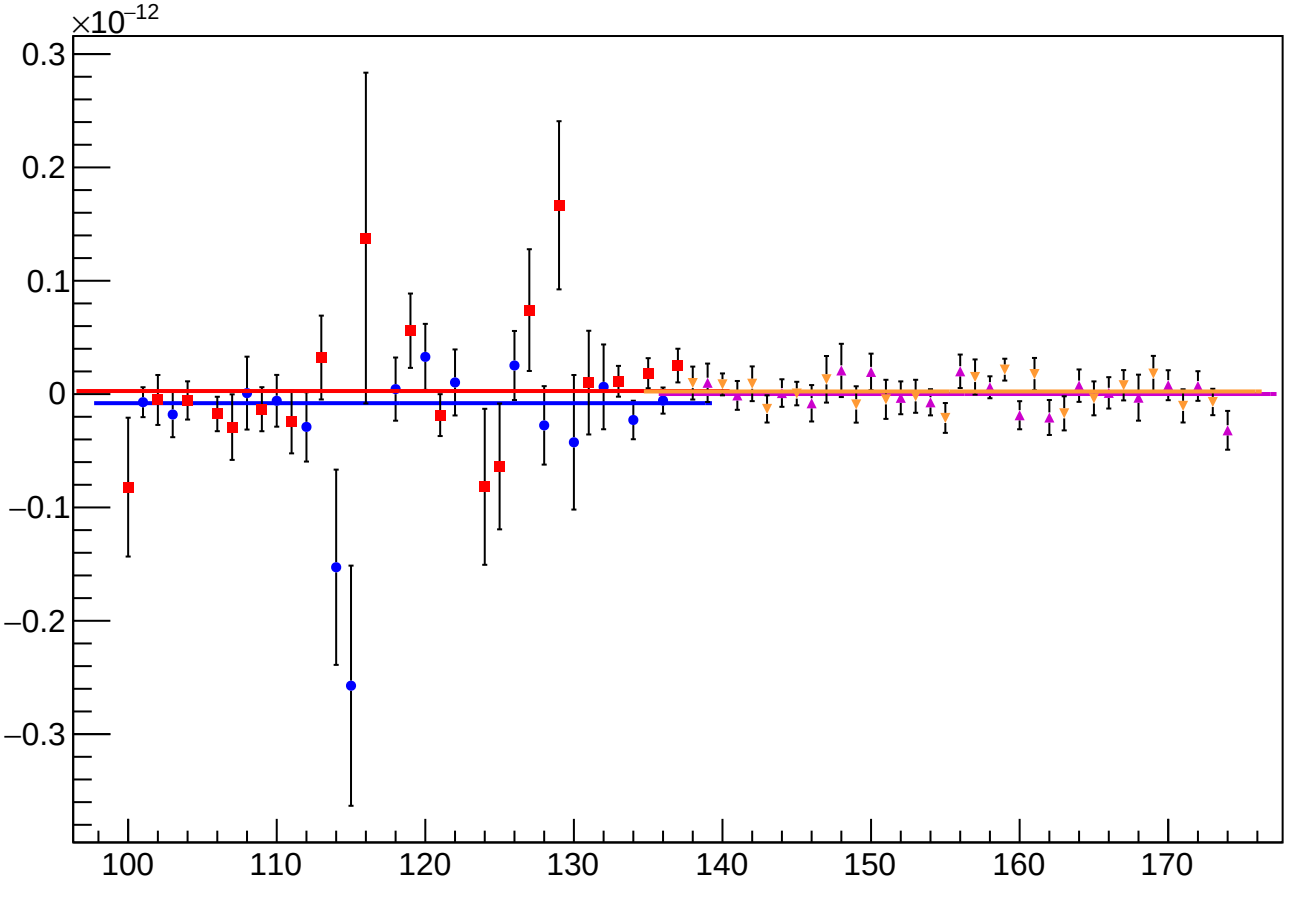
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.301+/-0.010 χ^2/NDF:449596.3/17

+ sign 34.596+/-0.006 χ^2/NDF: 7805479.7/34

All: 32.228+/-0.004 χ^2/NDF: 19185066.8/71

- sign 30.215+/-0.005 χ^2/NDF: 11076658.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

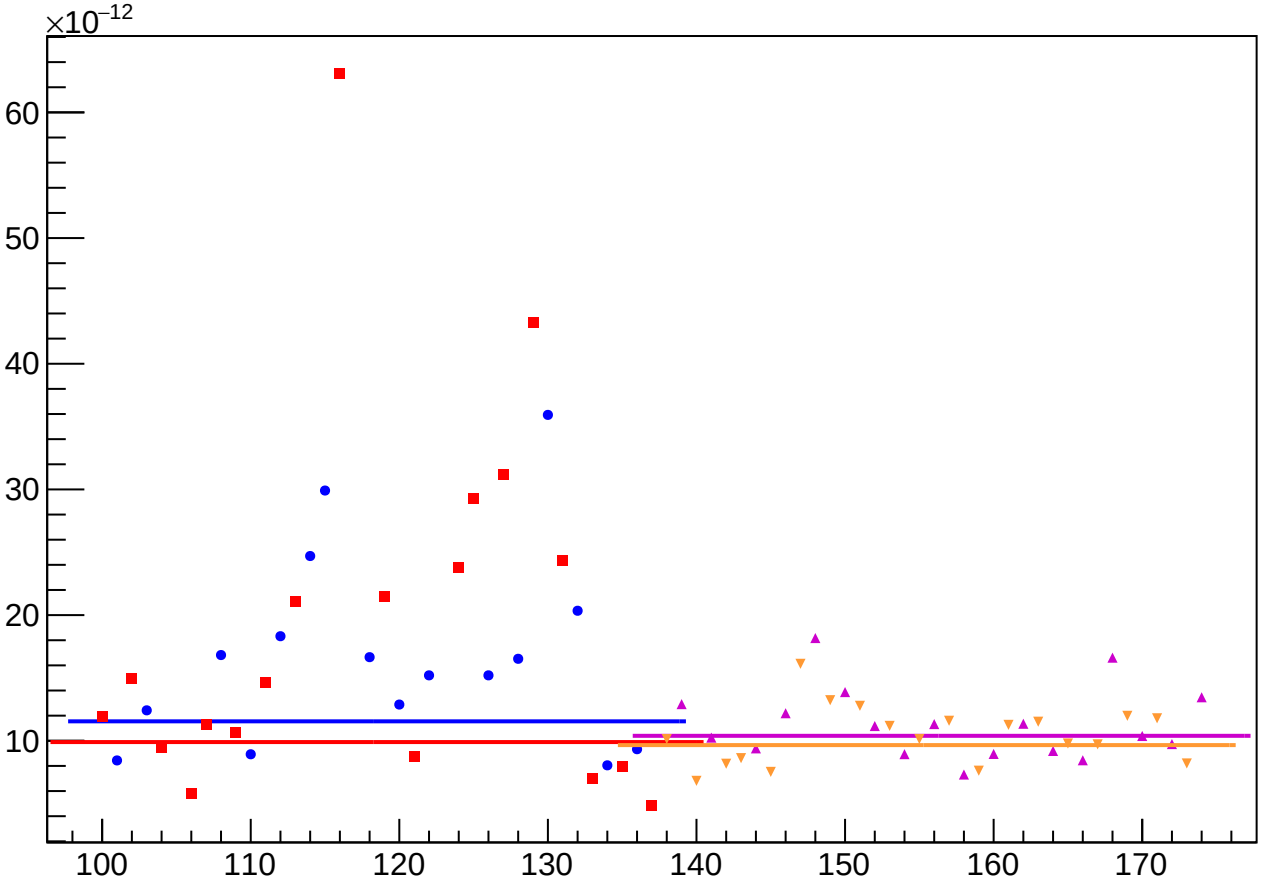
Left In: 0.000+/-0.000 χ^2/NDF:14.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 34.0/34

All: 0.000+/-0.000 χ^2/NDF: 74.3/71

- 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:976402.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

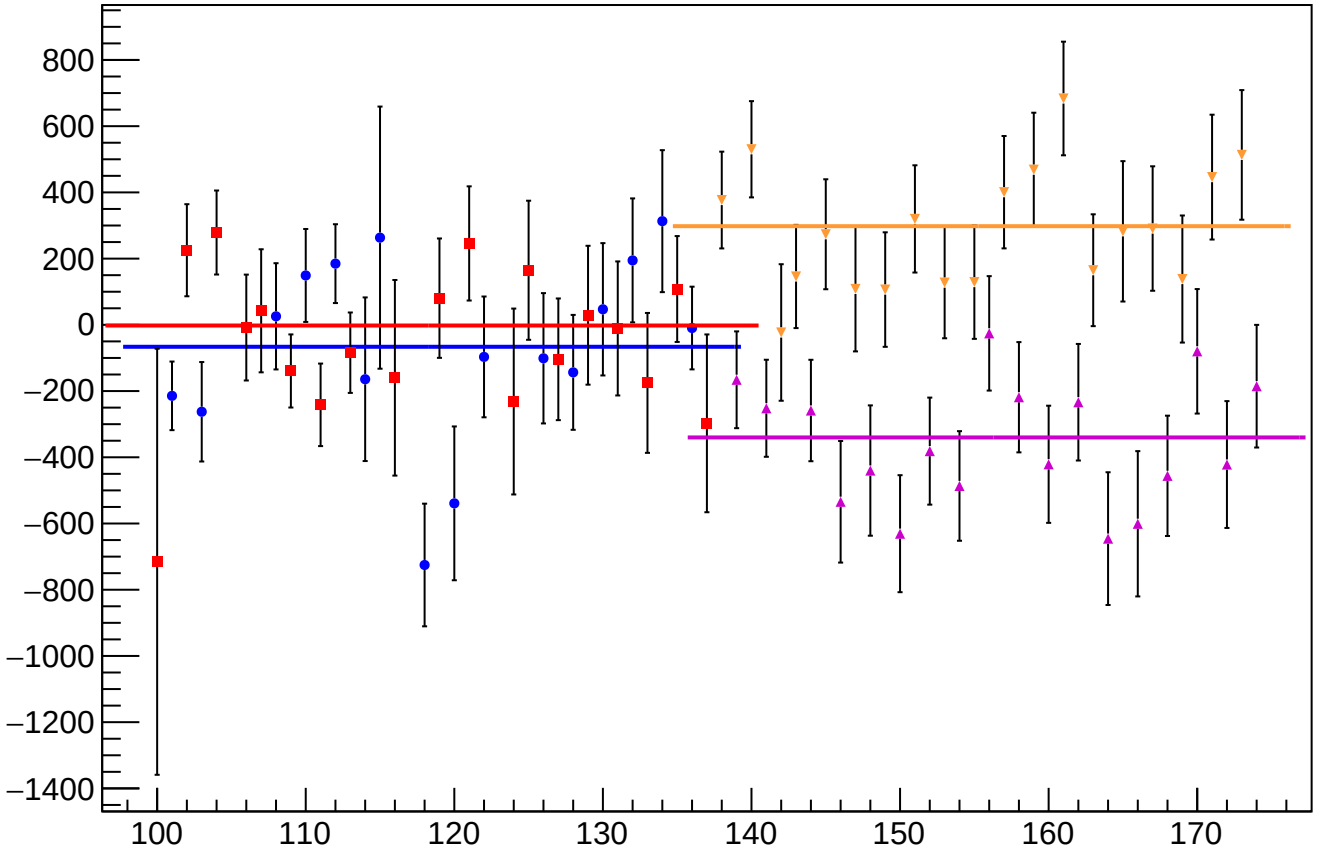
Left In: 0.000+/-0.000 χ^2/NDF:989584.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 2323586.3/34

All: 0.000+/-0.000 χ^2/NDF: 5966345.0/71

- 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: 297.981+/-39.726 χ^2/NDF:20.0/18

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

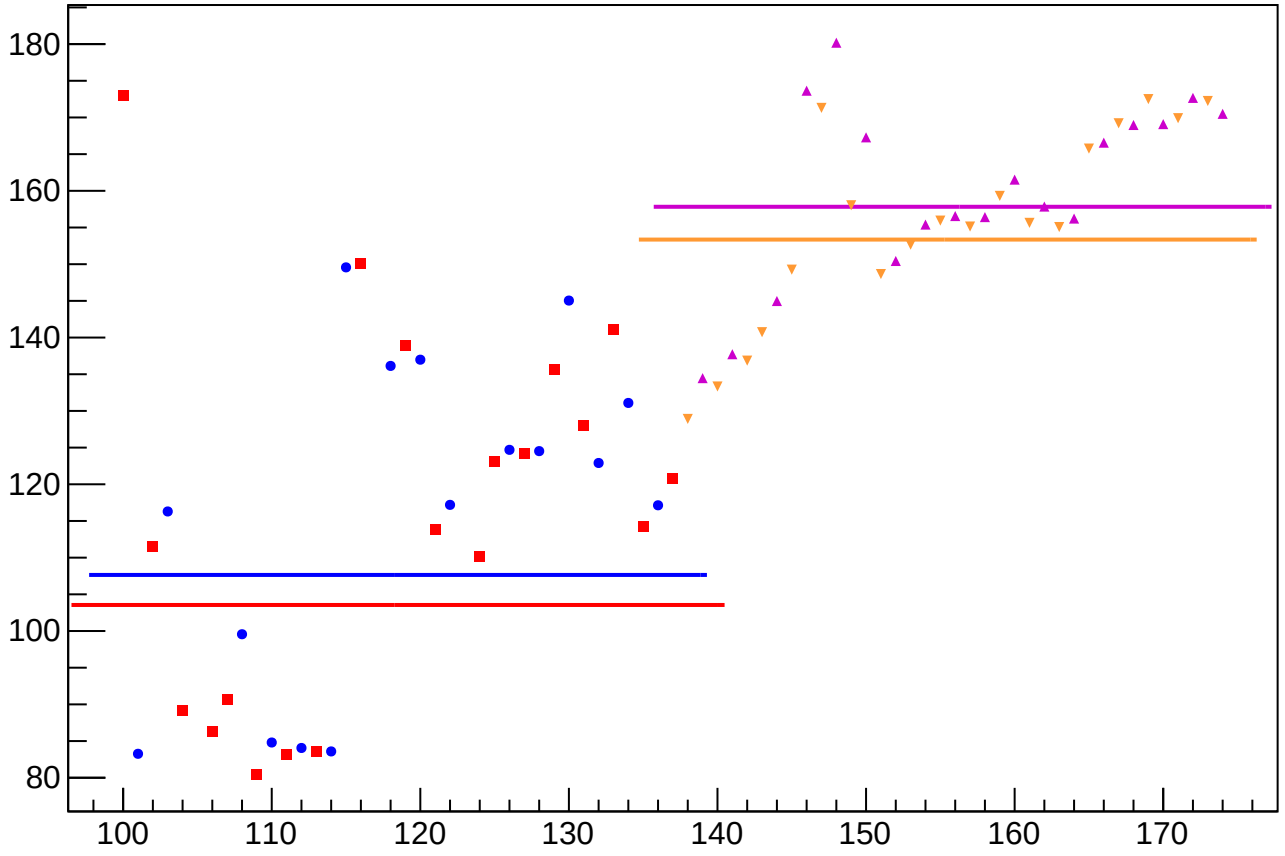
Left In: -340.083+/-41.075 χ^2/NDF:18.4/17

+ sign 121.342+/-28.509 χ^2/NDF: 95.2/34

All: -21.573+/-20.060 χ^2/NDF: 220.2/71

- 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: 153.355+/-0.028 χ^2/NDF:221006.1/18

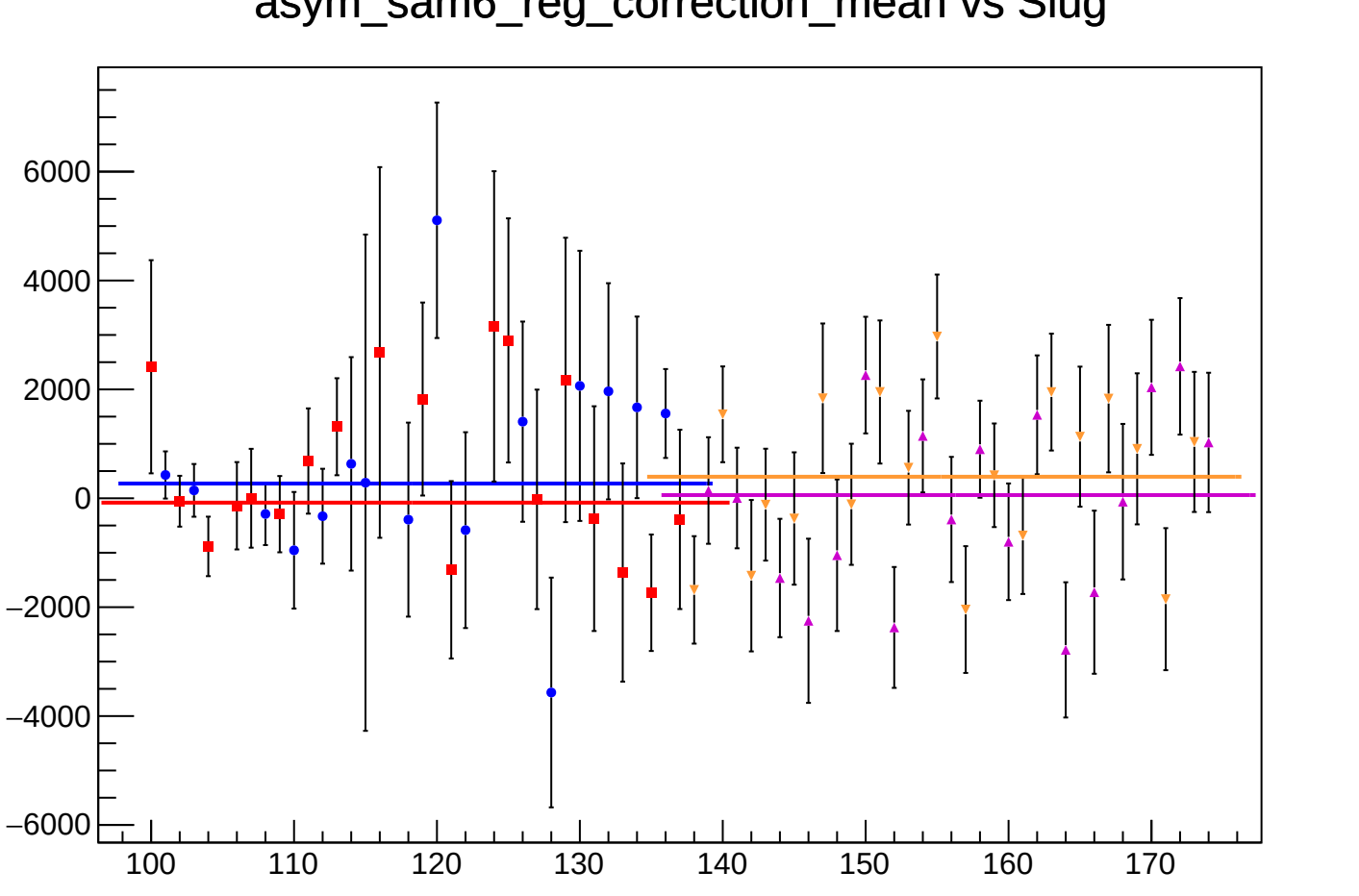
Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 157.827+/-0.029 χ^2/NDF:194282.8/17

+ sign 131.186+/-0.020 χ^2/NDF: 2038082.5/34

All: 130.178+/-0.014 χ^2/NDF: 4697180.9/71

- 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: 395.884+/-262.582 χ^2/NDF:28.7/18

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

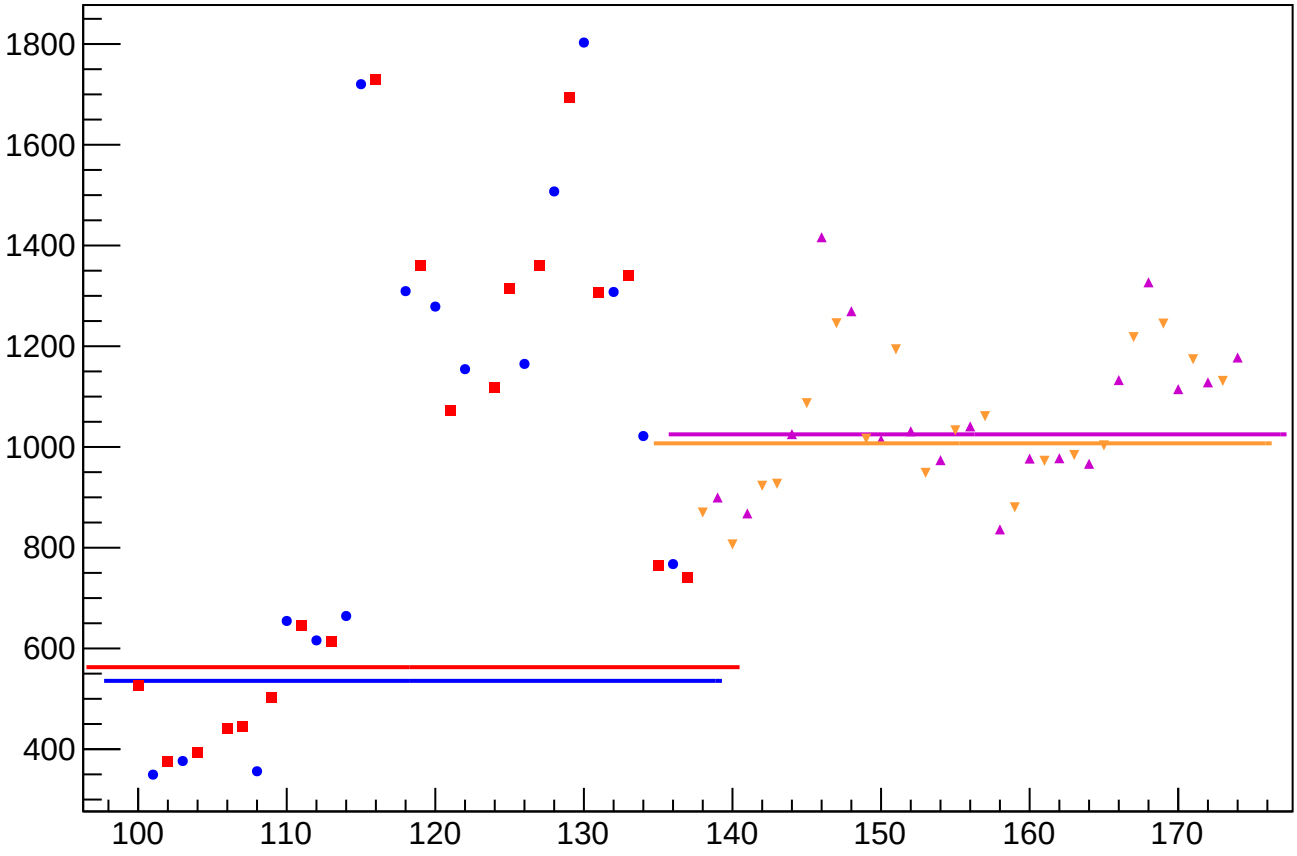
Left In: 59.075+/-268.847 χ^2/NDF:31.9/17

+ sign 325.679+/-173.296 χ^2/NDF: 45.3/34

All: 154.911+/-123.383 χ^2/NDF: 95.3/71

- 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: 1007.227+/-0.186 χ^2/NDF:480477.0/18

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

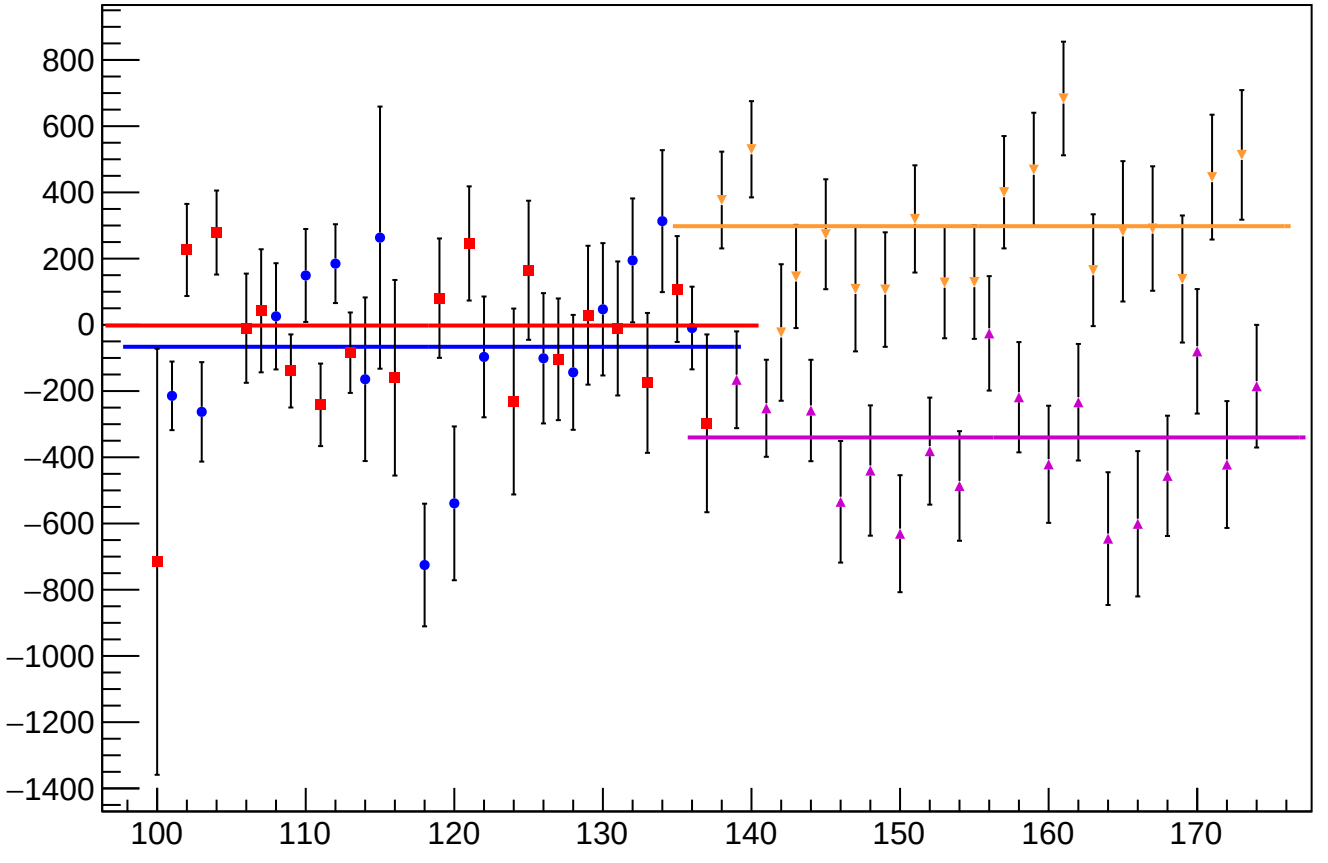
Left In: 1025.061+/-0.190 χ^2/NDF:546501.3/17

+ sign 741.067+/-0.123 χ^2/NDF: 7753398.4/34

All: 750.541+/-0.087 χ^2/NDF: 14809539.4/71

- 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: 297.978+/-39.726 χ^2/NDF:20.0/18

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

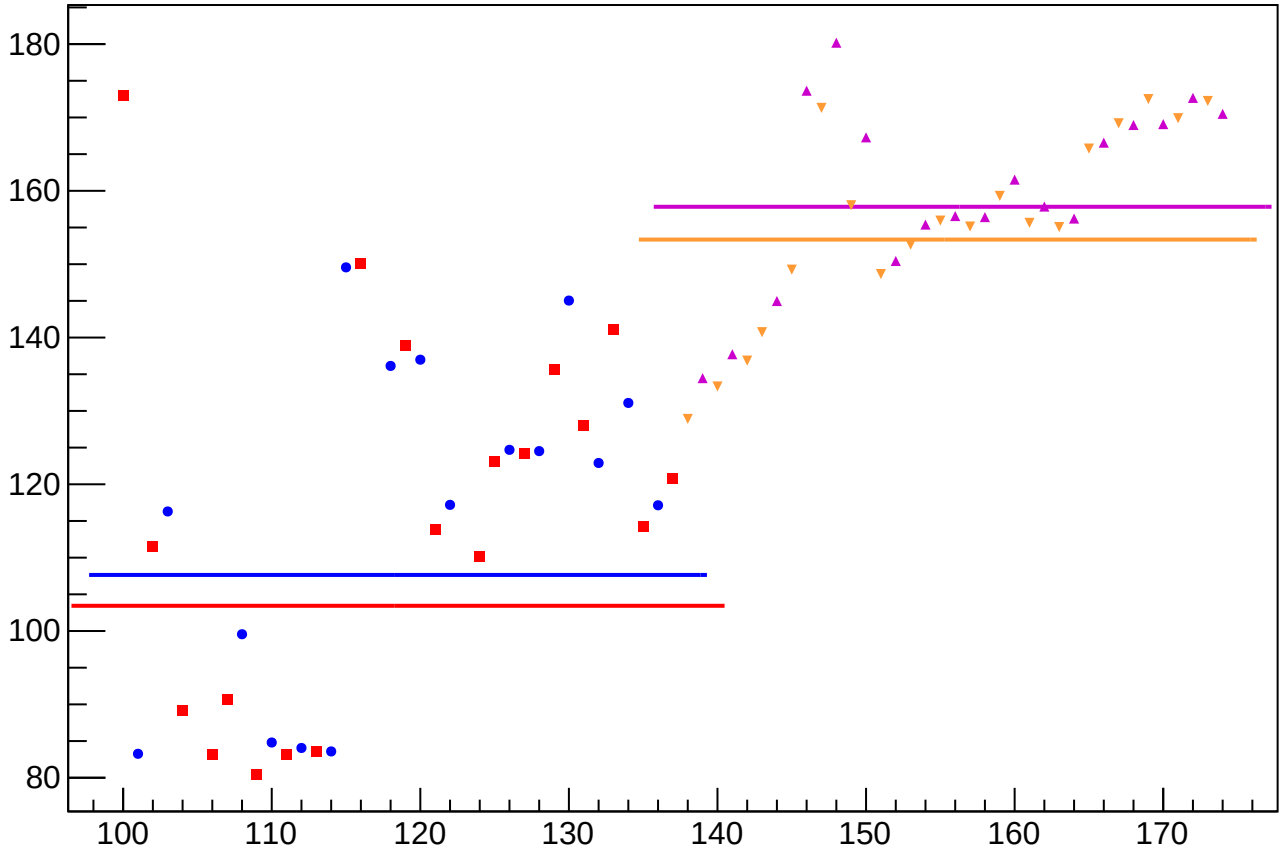
Left In: -340.087+/-41.075 χ^2/NDF:18.4/17

+ sign 121.328+/-28.509 χ^2/NDF: 95.2/34

All: -21.611+/-20.070 χ^2/NDF: 220.2/71

- 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: 153.355+/-0.028 χ^2/NDF:221006.1/18

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

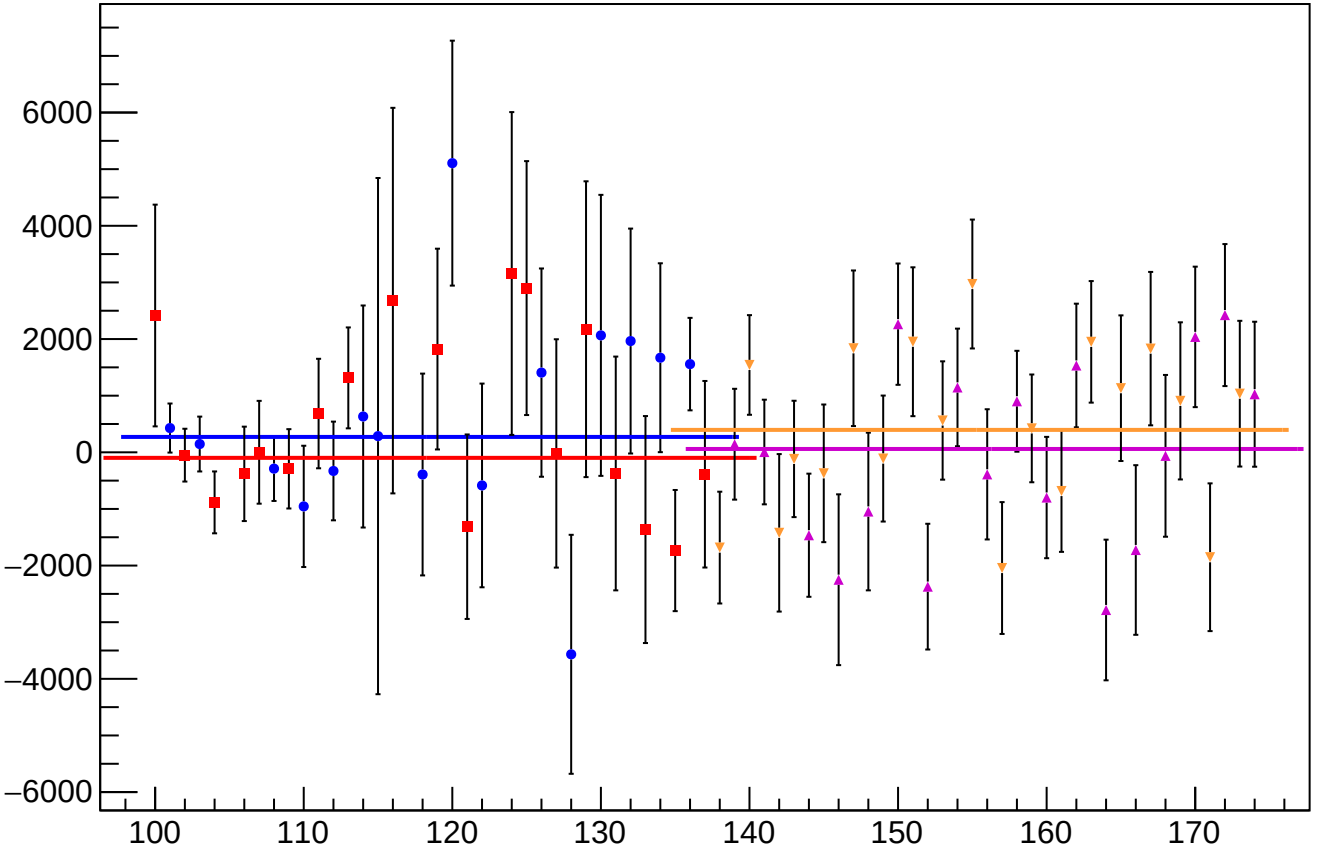
Left In: 157.827+/-0.029 χ^2/NDF:194282.8/17

+ sign 131.186+/-0.020 χ^2/NDF: 2038080.3/34

All: 130.174+/-0.014 χ^2/NDF: 4709093.5/71

- sign 129.179+/-0.020 χ^2/NDF: 2666016.7/36

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 395.888+/-262.582 χ^2/NDF:28.7/18

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

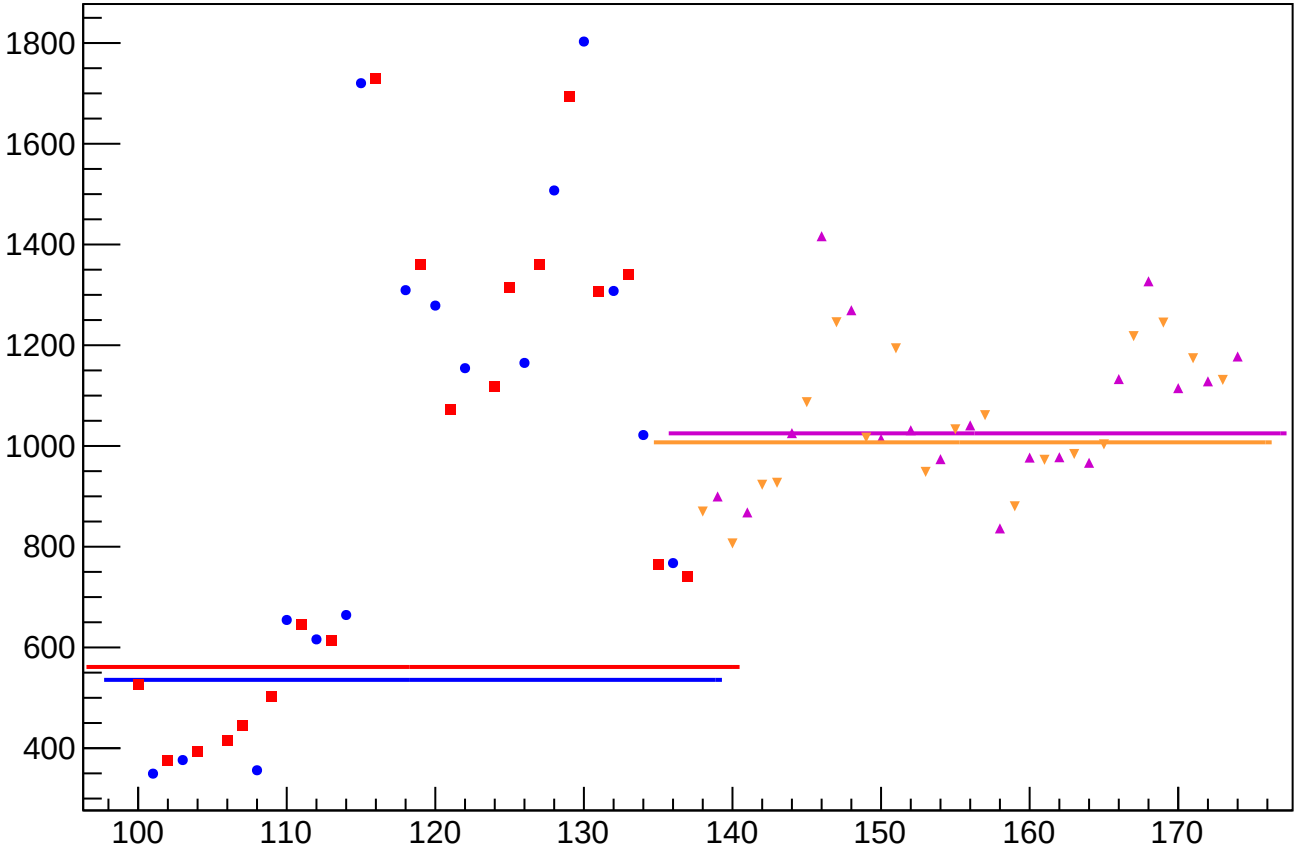
Left In: 59.076+/-268.847 χ^2/NDF:31.9/17

+ sign 325.758+/-173.293 χ^2/NDF: 45.2/34

All: 150.317+/-123.476 χ^2/NDF: 95.6/71

- 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: 1007.228+/-0.186 χ^2/NDF:480477.0/18

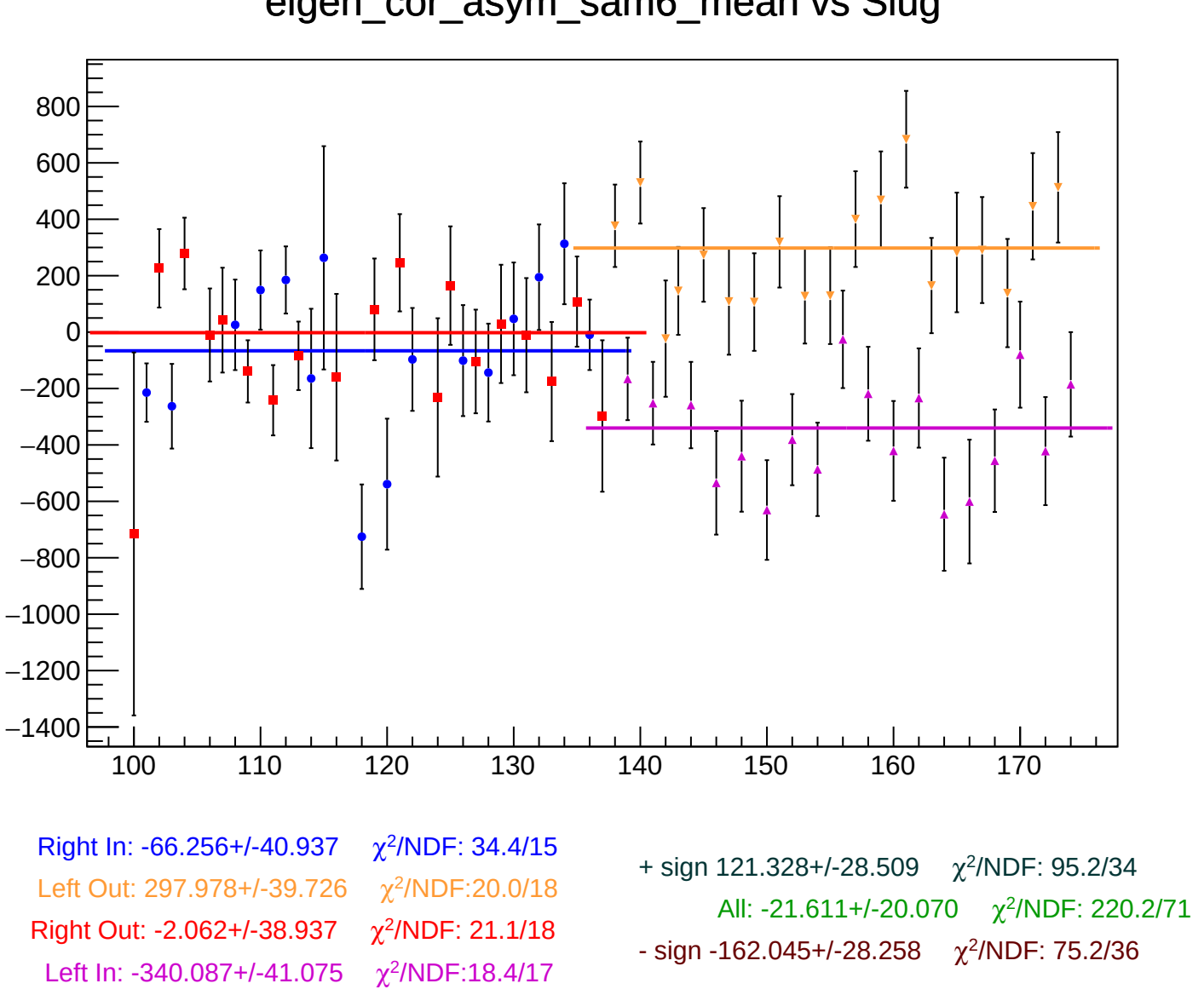
Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1025.061+/-0.190 χ^2/NDF:546499.5/17

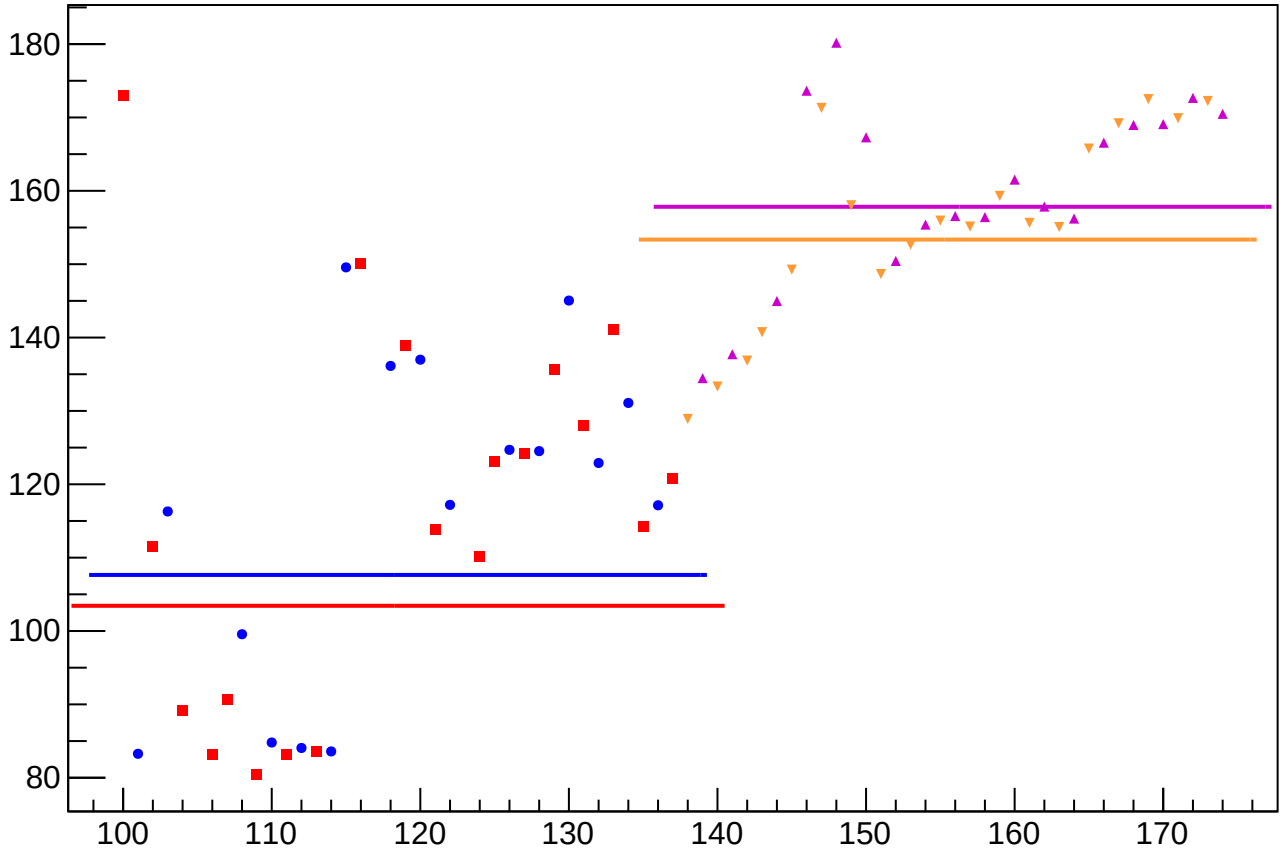
+ sign 741.048+/-0.123 χ^2/NDF: 7754035.9/34

All: 750.374+/-0.087 χ^2/NDF: 14844816.8/71

- sign 759.991+/-0.124 χ^2/NDF: 7079015.0/36


eigen_cor_asym_sam6_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
100
110
120
130
140
150
160
170
Right In: -66.256+/-40.937 χ²/NDF: 34.4/15
Left Out: 297.978+/-39.726 χ²/NDF:20.0/18
Right Out: -2.062+/-38.937 χ²/NDF: 21.1/18
Left In: -340.087+/-41.075 χ²/NDF:18.4/17
+ sign 121.328+/-28.509 χ²/NDF: 95.2/34
All: -21.611+/-20.070 χ²/NDF: 220.2/71
- sign -162.045+/-28.258 χ²/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: 153.355+/-0.028 χ^2/NDF:221006.1/18

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

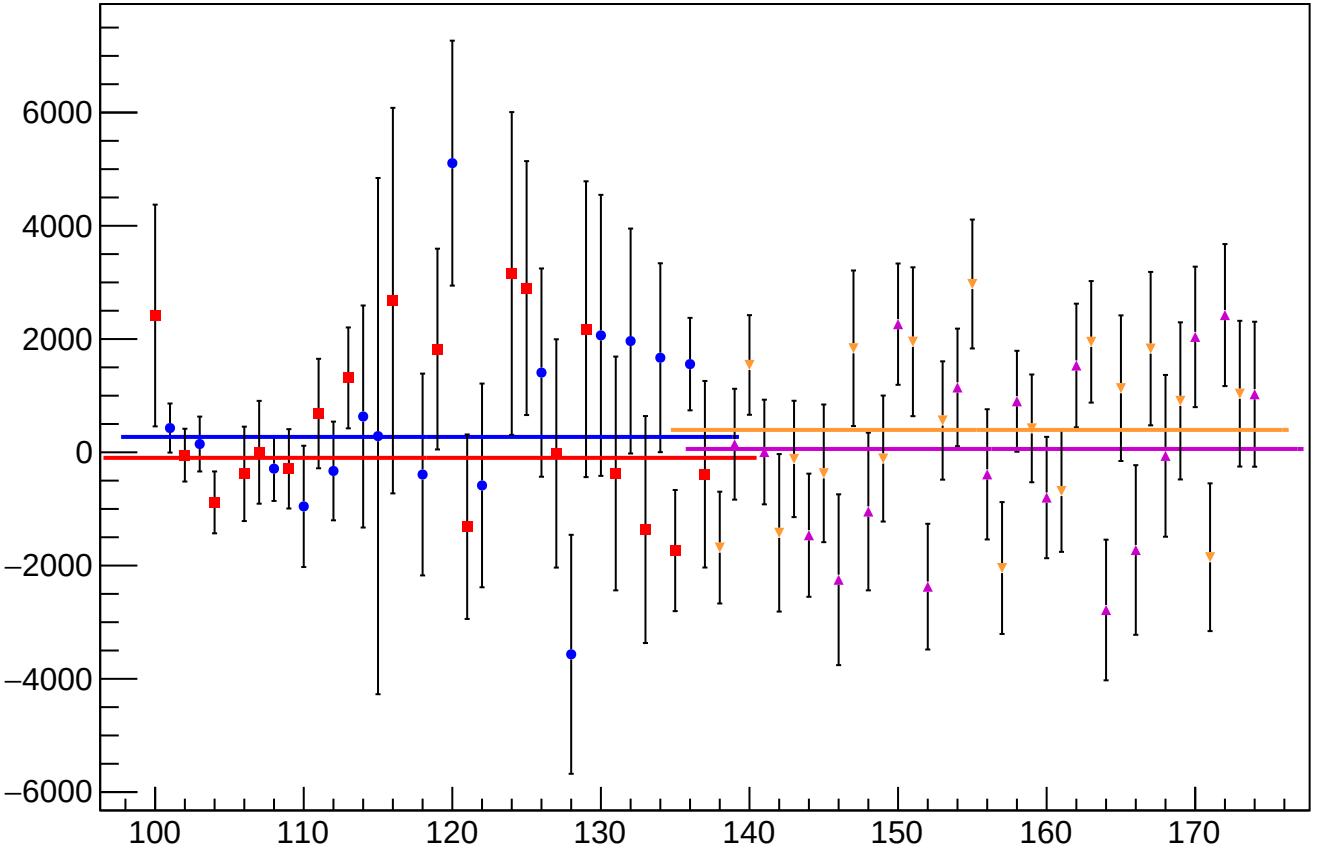
Left In: 157.827+/-0.029 χ^2/NDF:194282.8/17

+ sign 131.186+/-0.020 χ^2/NDF: 2038080.3/34

All: 130.174+/-0.014 χ^2/NDF: 4709093.5/71

- sign 129.179+/-0.020 χ^2/NDF: 2666016.7/36

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 395.888+/-262.582 χ^2/NDF:28.7/18

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

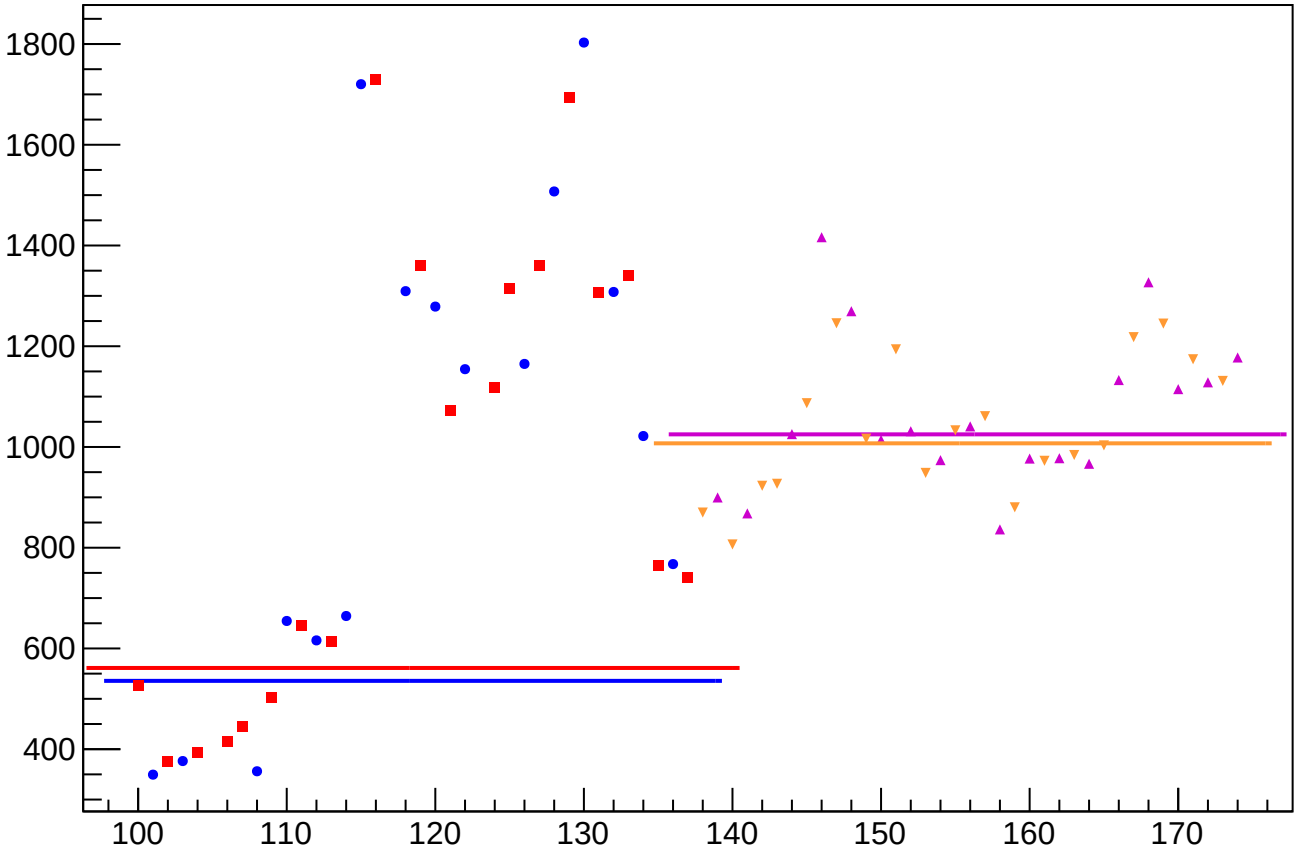
Left In: 59.076+/-268.847 χ^2/NDF:31.9/17

\+ sign 325.758+/-173.293 χ^2/NDF: 45.2/34

All: 150.317+/-123.476 χ^2/NDF: 95.6/71

\- 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: 1007.228+/-0.186 χ^2/NDF:480477.0/18

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

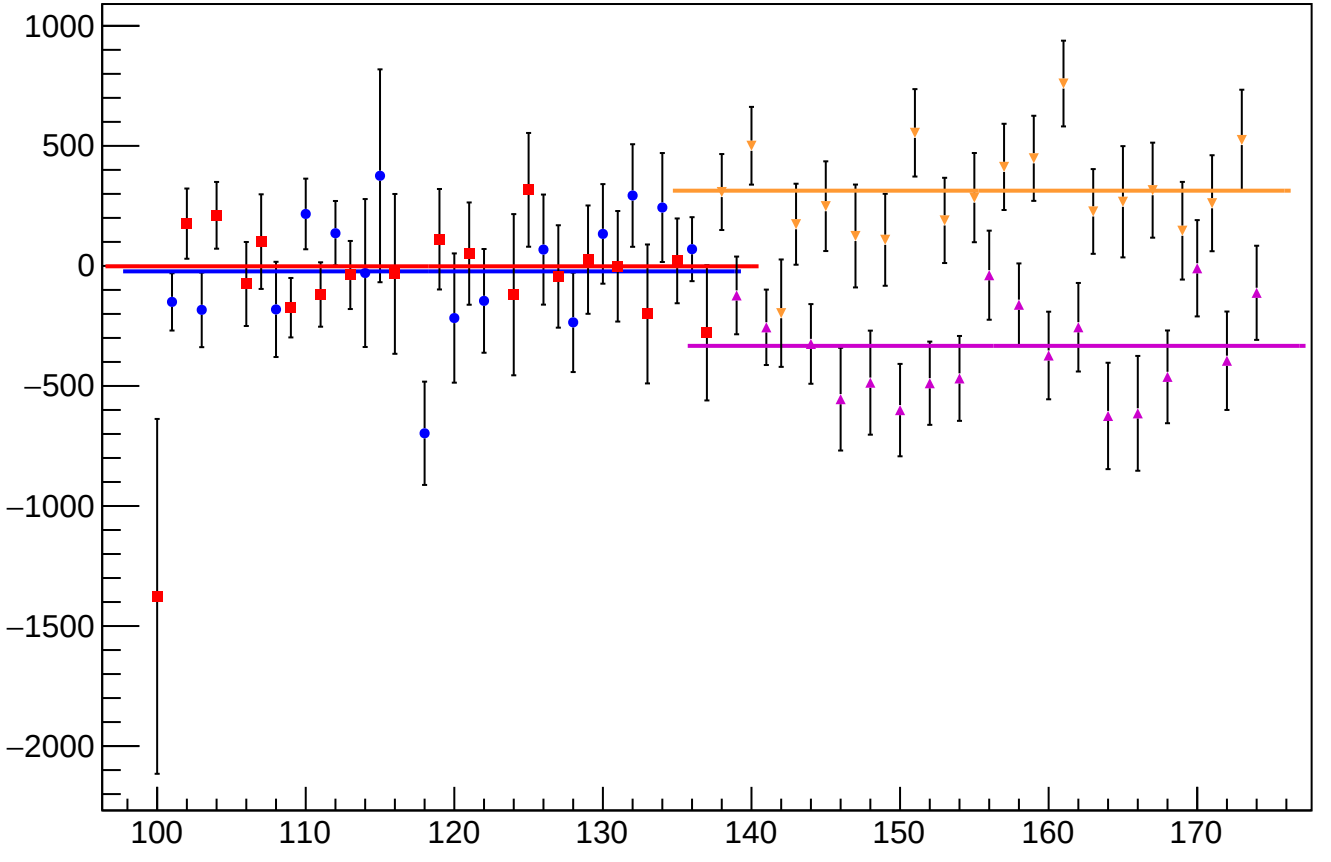
Left In: 1025.061+/-0.190 χ^2/NDF:546499.5/17

+ sign 741.048+/-0.123 χ^2/NDF: 7754035.9/34

All: 750.374+/-0.087 χ^2/NDF: 14844816.8/71

- 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: 313.411+/-42.868 χ^2/NDF:20.7/18

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

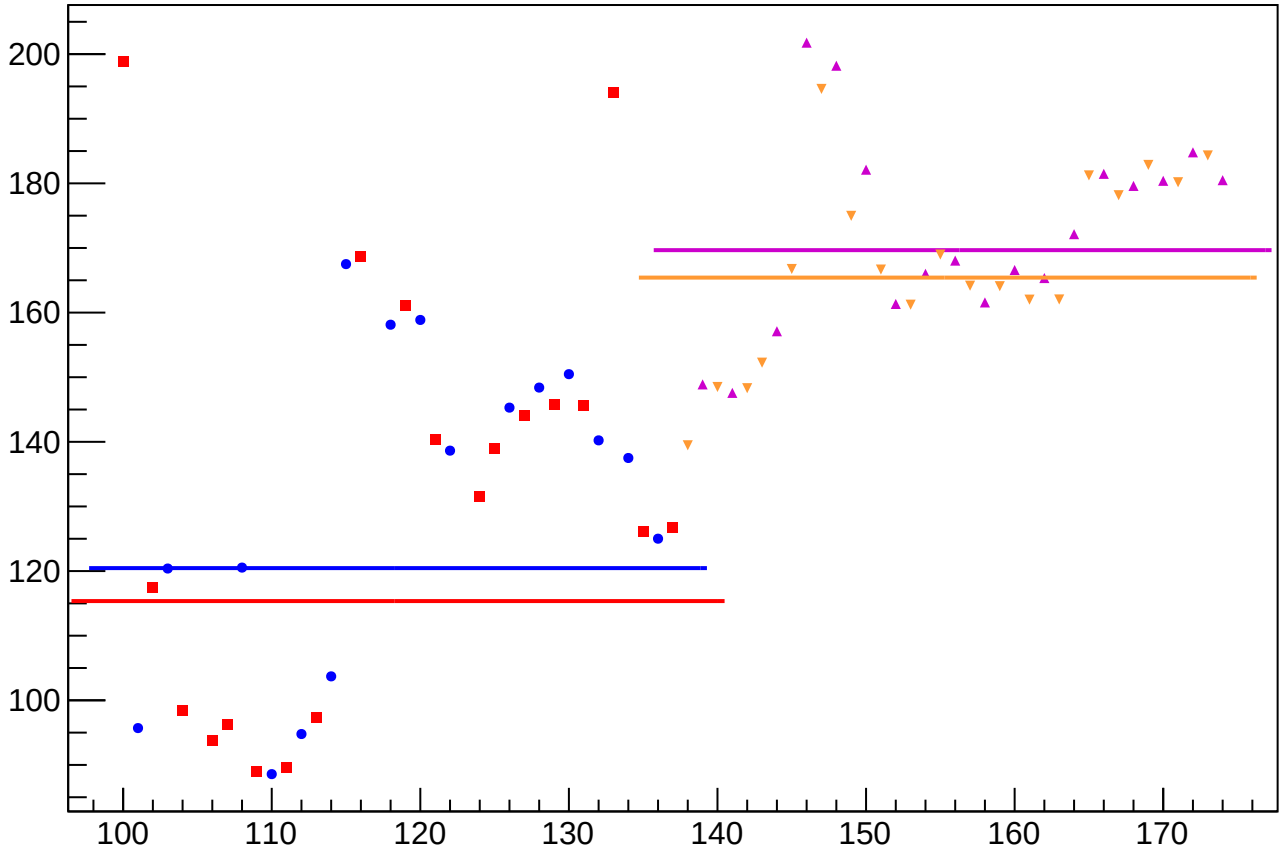
Left In: -333.003+/-44.193 χ^2/NDF:18.1/17

+ sign 156.862+/-31.332 χ^2/NDF: 73.5/34

All: -5.620+/-22.045 χ^2/NDF: 187.7/71

- 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: 165.416+/-0.030 χ^2/NDF:204890.9/18

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

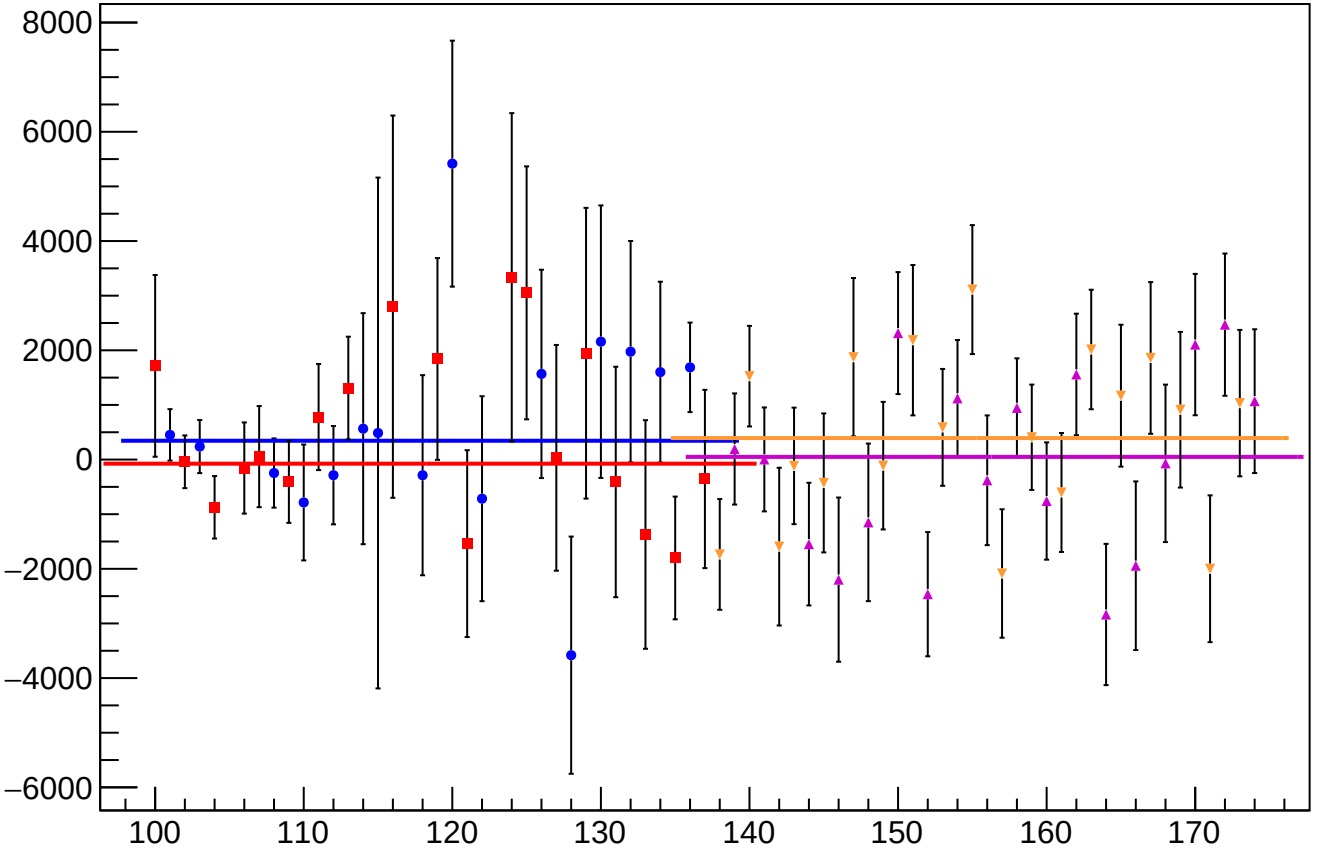
Left In: 169.664+/-0.031 χ^2/NDF:216889.4/17

+ sign 144.475+/-0.022 χ^2/NDF: 1759840.2/34

All: 143.286+/-0.016 χ^2/NDF: 4281427.1/71

- 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: 393.583+/-270.632 χ^2/NDF:29.2/18

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

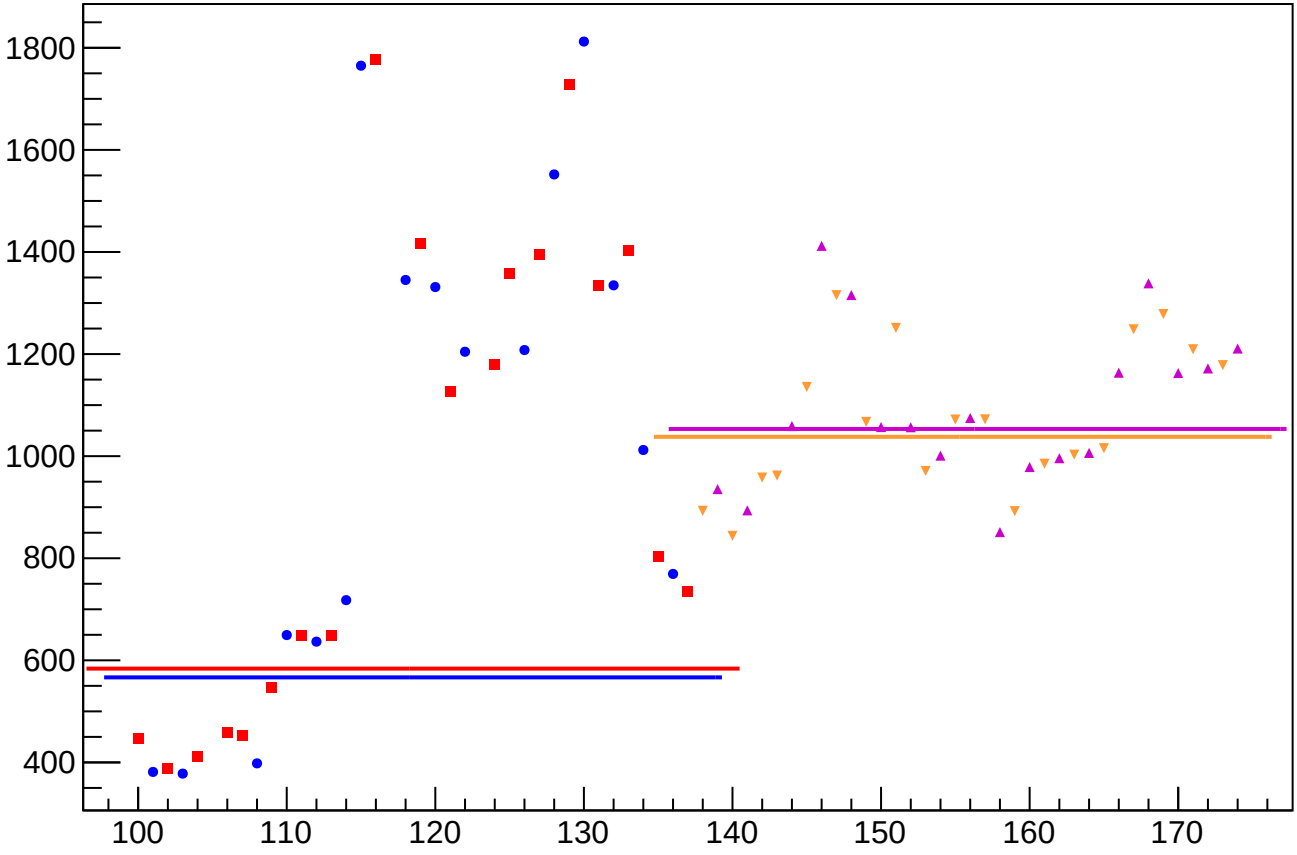
Left In: 48.815+/-276.212 χ^2/NDF:31.7/17

+ sign 366.226+/-180.202 χ^2/NDF: 45.5/34

All: 173.437+/-127.833 χ^2/NDF: 94.9/71

- 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: 1037.855+/-0.191 χ^2/NDF:502209.1/18

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

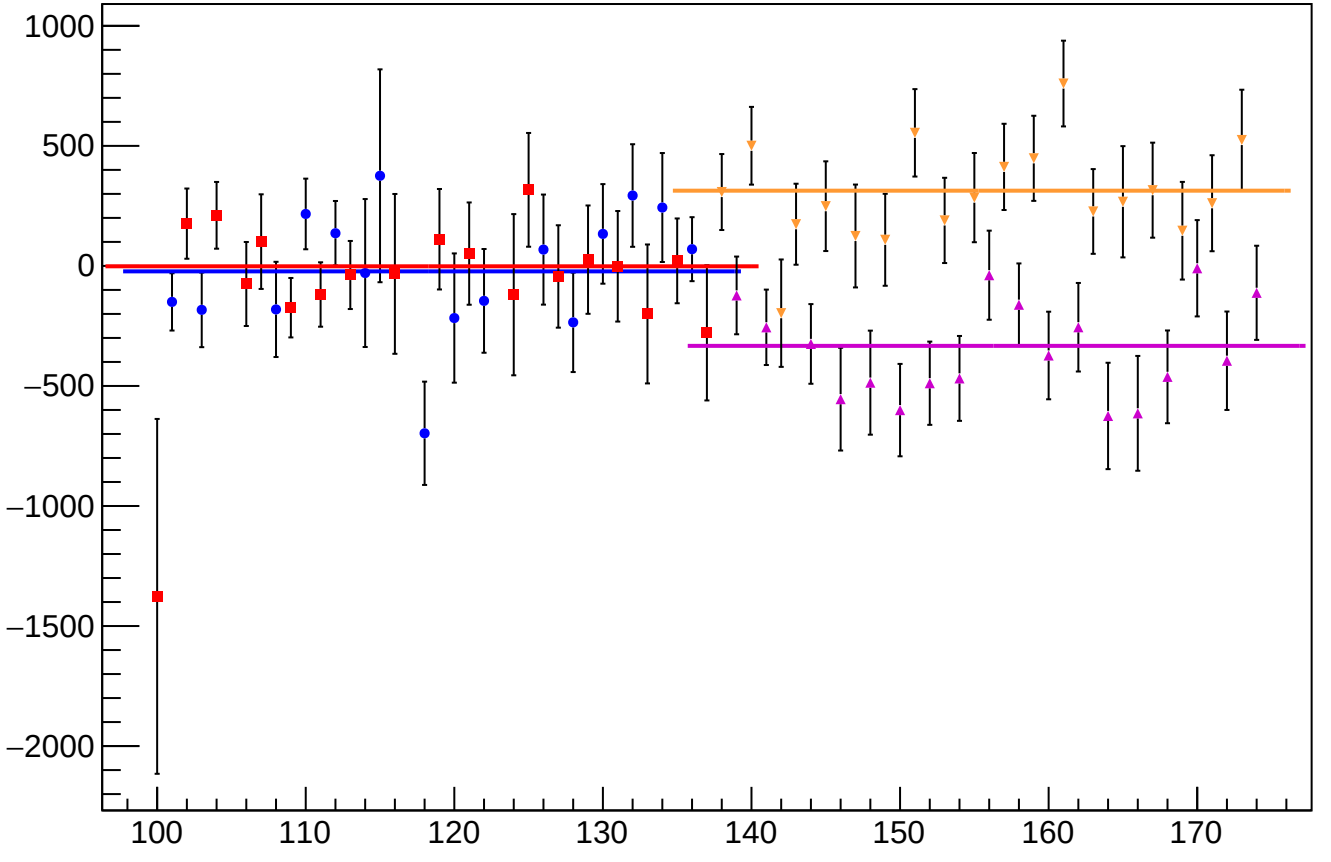
Left In: 1053.273+/-0.195 χ^2/NDF:533859.8/17

+ sign 775.539+/-0.127 χ^2/NDF: 7310227.9/34

All: 780.845+/-0.090 χ^2/NDF: 14241779.2/71

- 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: 313.412+/-42.868 χ^2/NDF:20.7/18

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

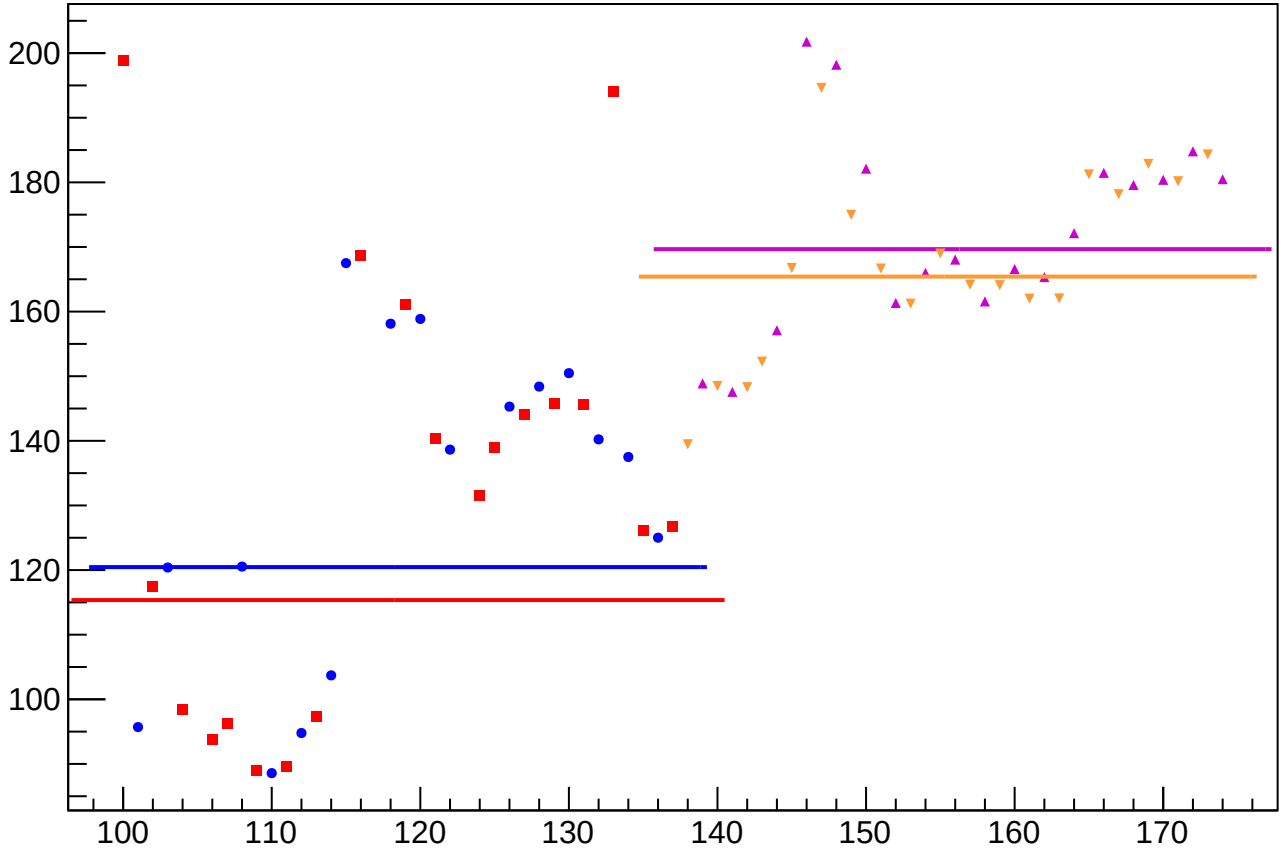
Left In: -333.004+/-44.193 χ^2/NDF:18.1/17

+ sign 156.861+/-31.332 χ^2/NDF: 73.5/34

All: -5.620+/-22.045 χ^2/NDF: 187.7/71

- 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: 165.416+/-0.030 χ^2/NDF:204890.4/18

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

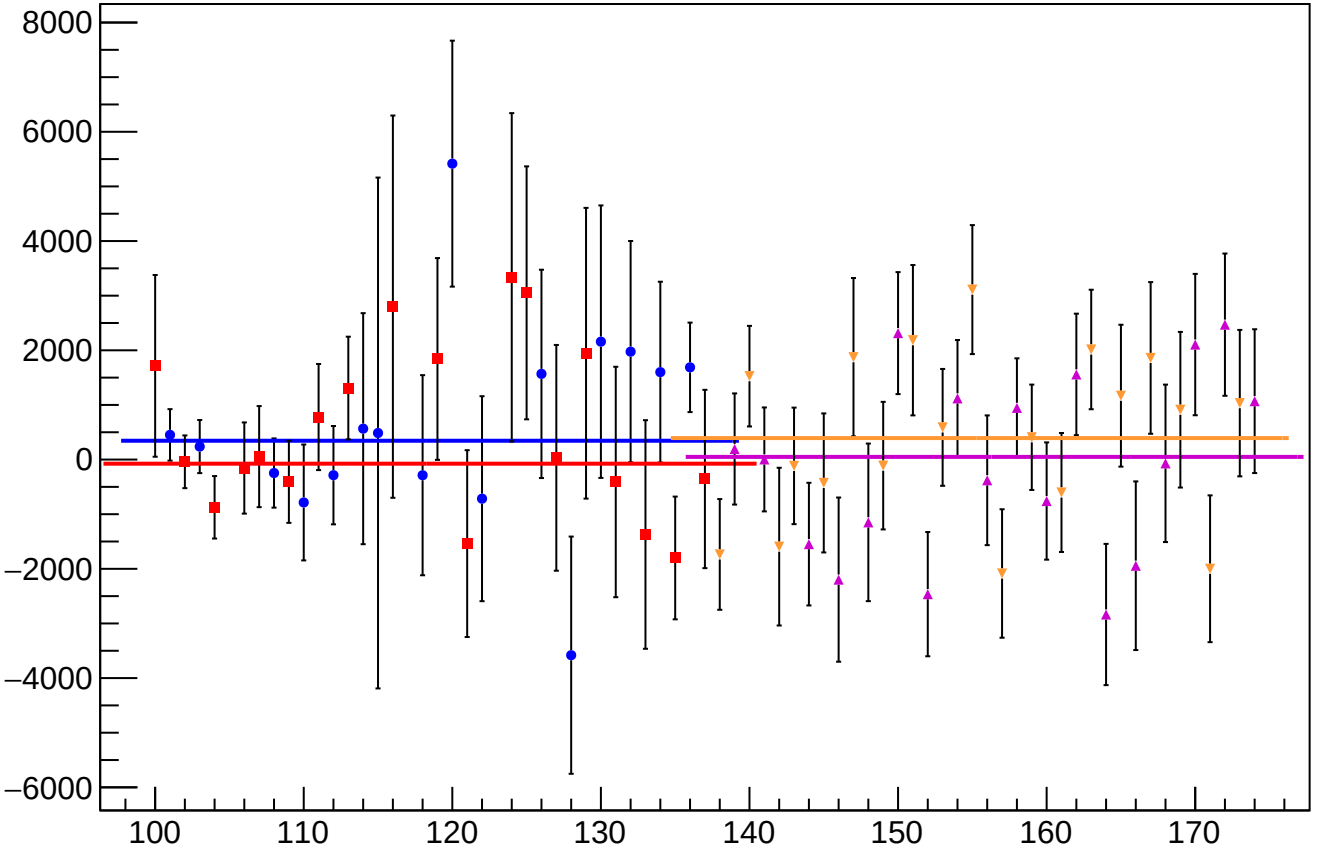
Left In: 169.663+/-0.031 χ^2/NDF:216889.4/17

+ sign 144.475+/-0.022 χ^2/NDF: 1759848.9/34

All: 143.286+/-0.016 χ^2/NDF: 4281438.8/71

- 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: 393.584+/-270.632 χ^2/NDF:29.2/18

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

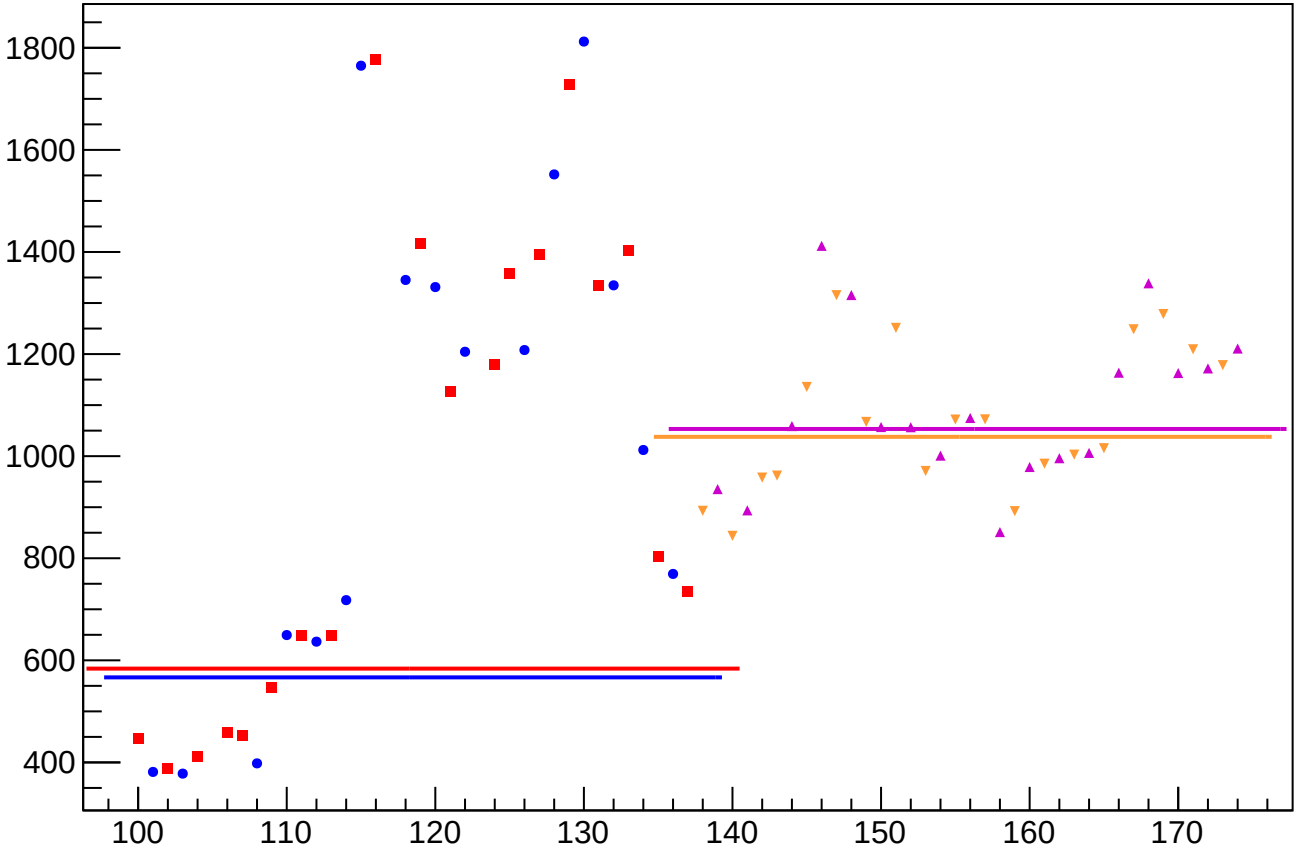
Left In: 48.815+/-276.212 χ^2/NDF:31.7/17

+ sign 366.226+/-180.202 χ^2/NDF: 45.5/34

All: 173.437+/-127.833 χ^2/NDF: 94.9/71

- 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: 1037.855+/-0.191 χ^2/NDF:502212.0/18

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

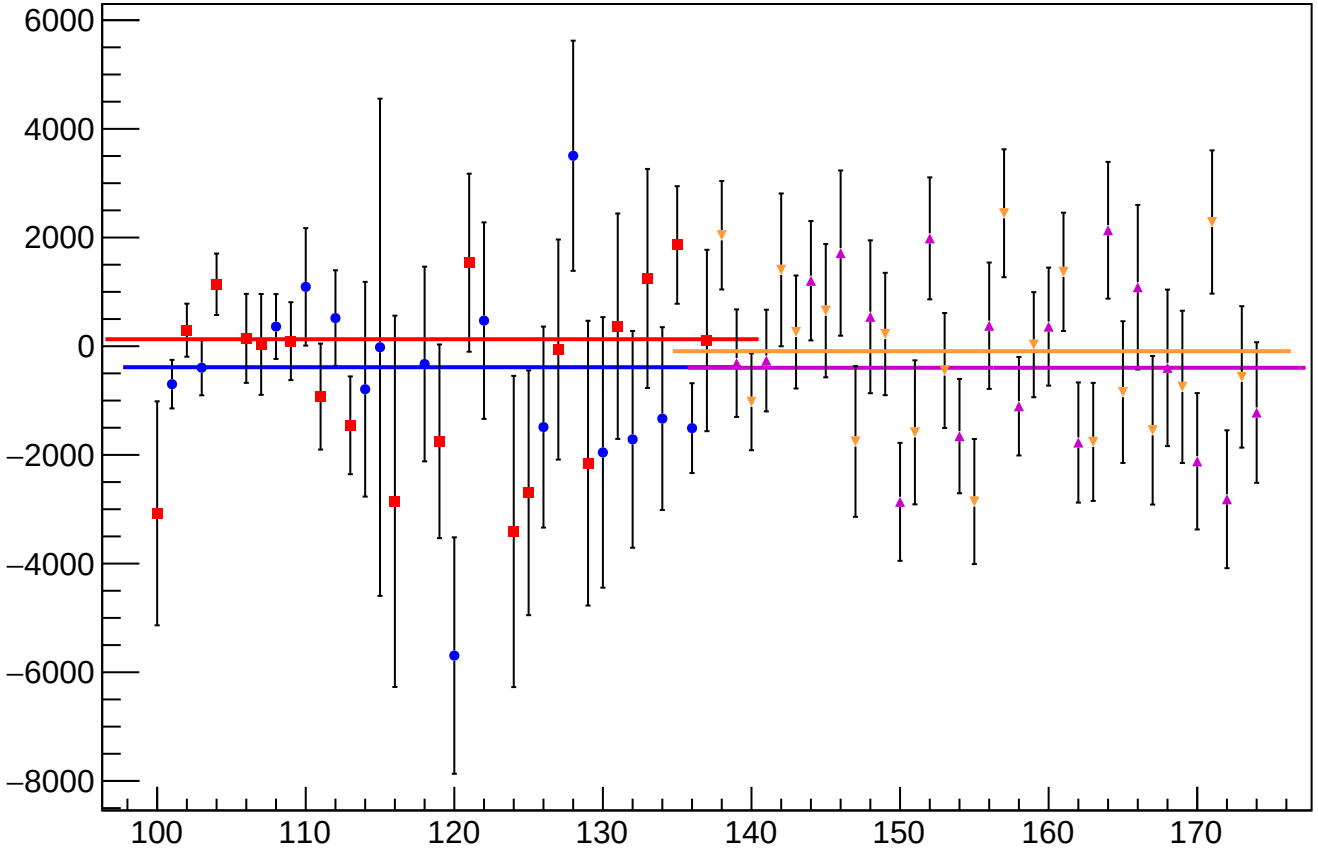
Left In: 1053.273+/-0.195 χ^2/NDF:533863.0/17

+ sign 775.539+/-0.127 χ^2/NDF: 7310249.1/34

All: 780.845+/-0.090 χ^2/NDF: 14241810.8/71

- 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: -91.707+/-265.698 χ^2/NDF:29.8/18

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

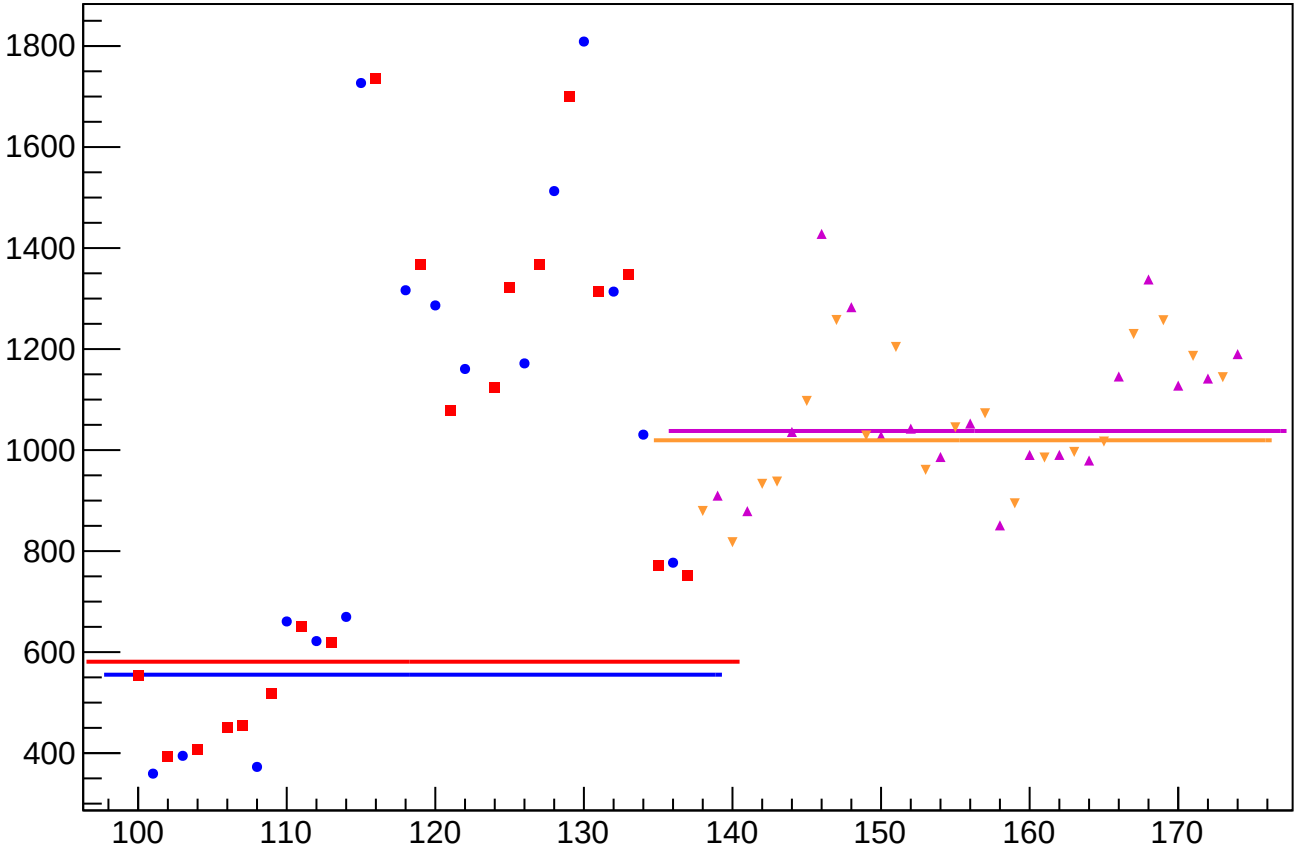
Left In: -396.618+/-272.115 χ^2/NDF:29.6/17

+ sign -255.568+/-177.081 χ^2/NDF: 48.5/34

All: -178.390+/-125.975 χ^2/NDF: 100.0/71

- 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: 1019.431+/-0.188 χ^2/NDF:470689.6/18

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

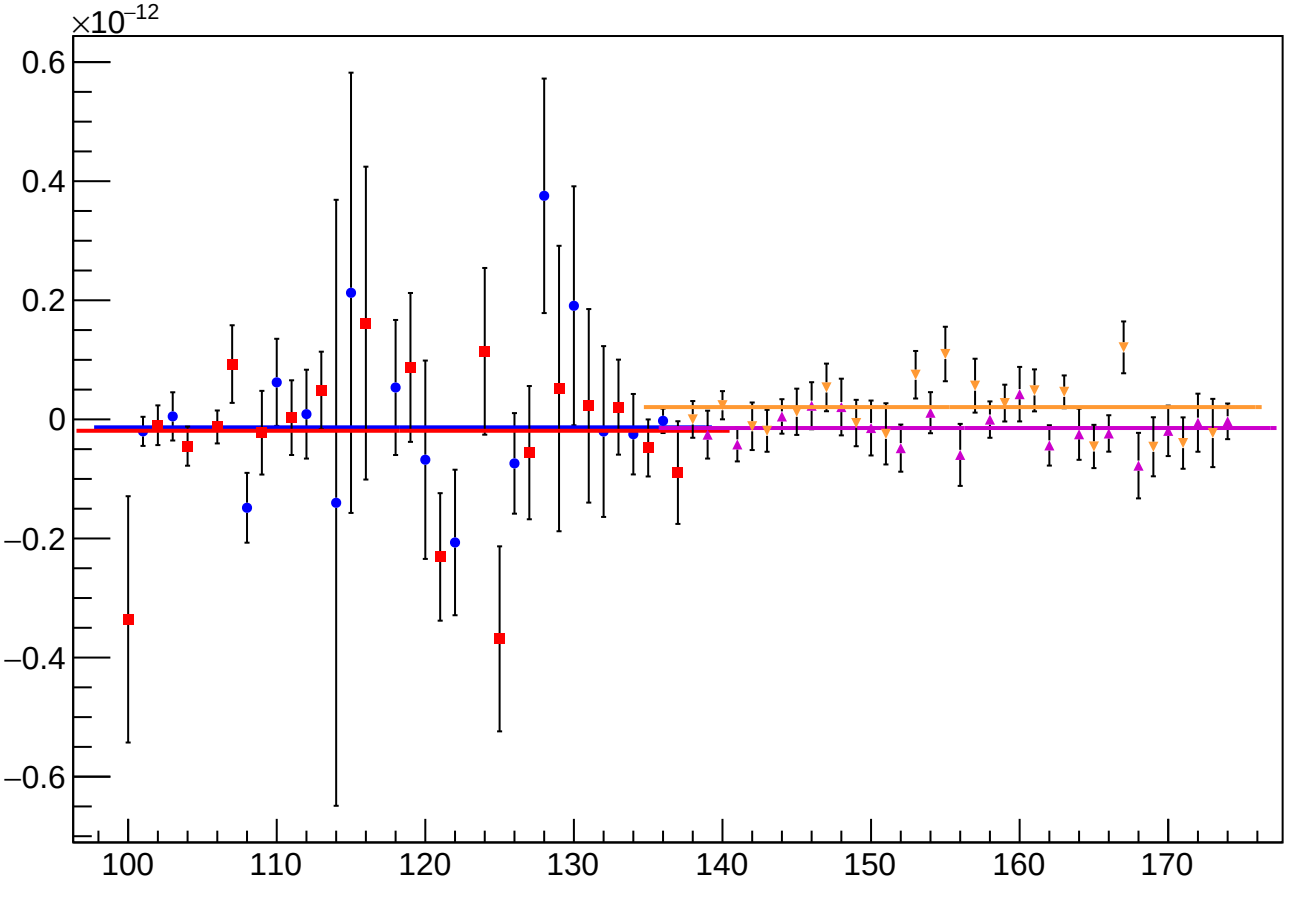
Left In: 1037.825+/-0.192 χ^2/NDF:533981.0/17

+ sign 761.458+/-0.125 χ^2/NDF: 7345388.8/34

All: 770.232+/-0.089 χ^2/NDF: 14063767.2/71

- sign 779.222+/-0.127 χ^2/NDF: 6708437.6/36

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/18

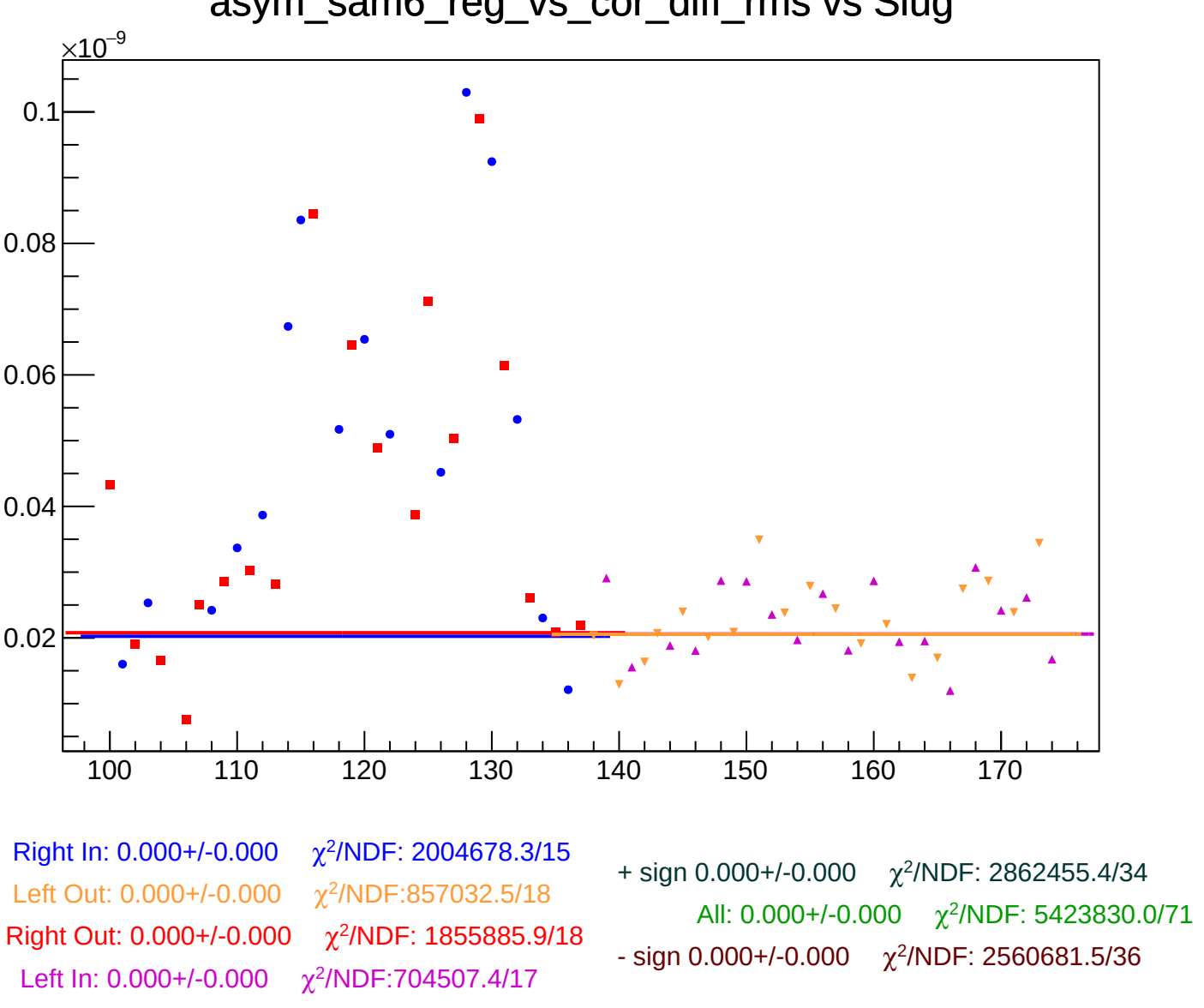
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:9.1/17

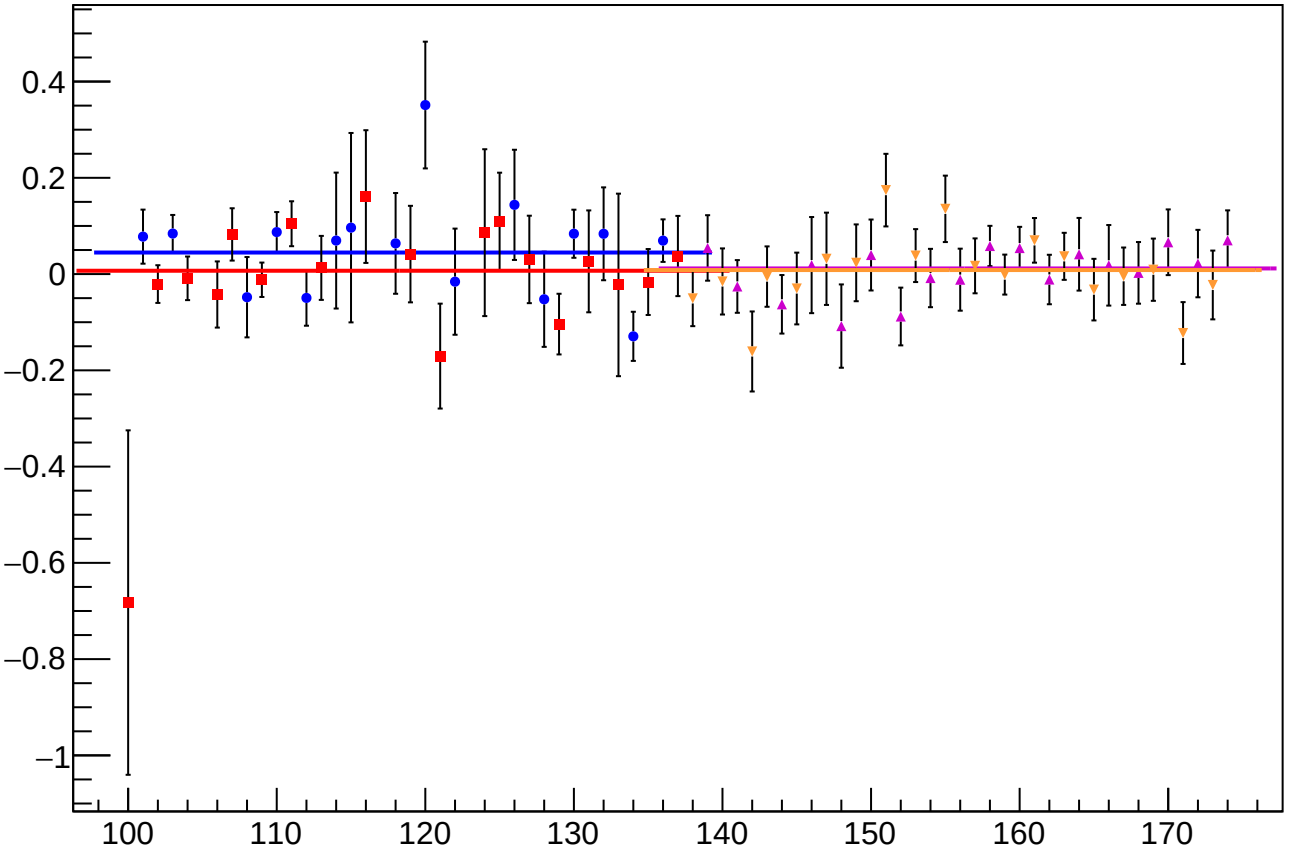
+ sign 0.000+/-0.000 χ^2/NDF: 45.9/34

All: -0.000+/-0.000 χ^2/NDF: 81.5/71

- sign -0.000+/-0.000 χ^2/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:857032.5/18
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: 2862455.4/34
All: 0.000+/-0.000 χ²/NDF: 5423830.0/71
- 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:21.2/18

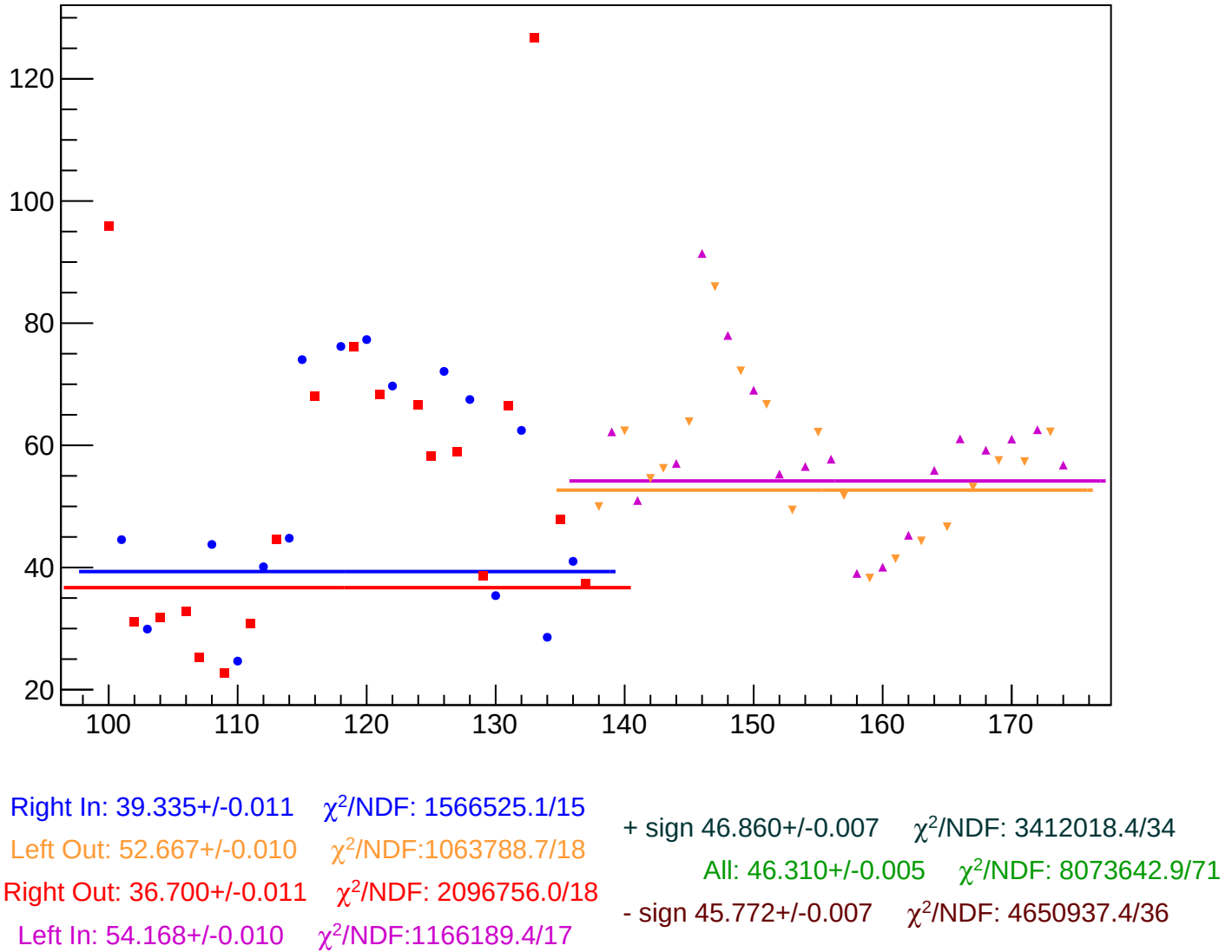
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.012+/-0.015 χ^2/NDF:11.5/17

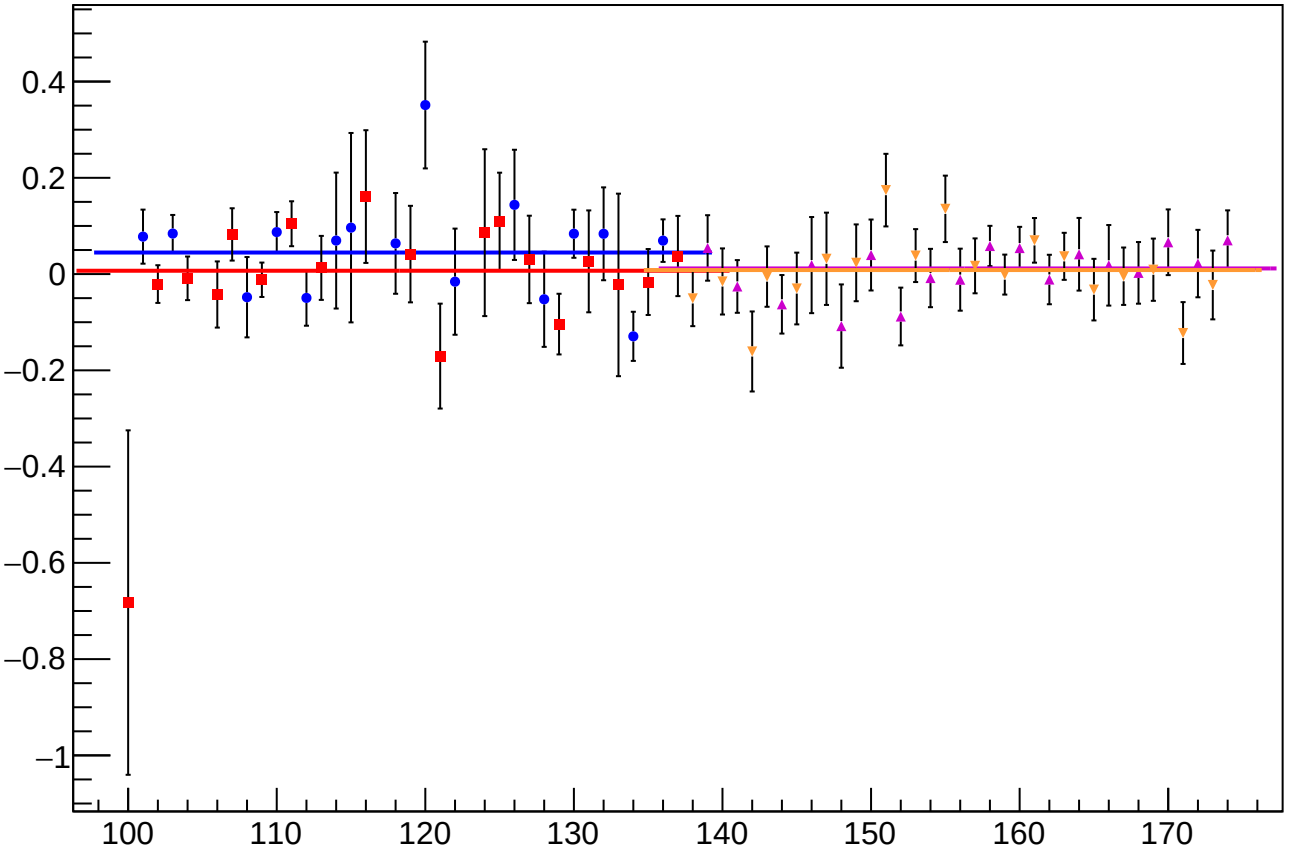
+ sign 0.024+/-0.011 χ^2/NDF: 50.8/34

All: 0.017+/-0.007 χ^2/NDF: 83.5/71

- sign 0.009+/-0.010 χ^2/NDF: 31.7/36


asym_sam6_dit_vs_cor_diff_rms vs Slug
120
100
80
60
40
20
100
110
120
130
140
150
160
170
Right In: 39.335+/-0.011 χ²/NDF: 1566525.1/15
Left Out: 52.667+/-0.010 χ²/NDF:1063788.7/18
Right Out: 36.700+/-0.011 χ²/NDF: 2096756.0/18
Left In: 54.168+/-0.010 χ²/NDF:1166189.4/17
+ sign 46.860+/-0.007 χ²/NDF: 3412018.4/34
All: 46.310+/-0.005 χ²/NDF: 8073642.9/71
- sign 45.772+/-0.007 χ²/NDF: 4650937.4/36

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.2/18

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

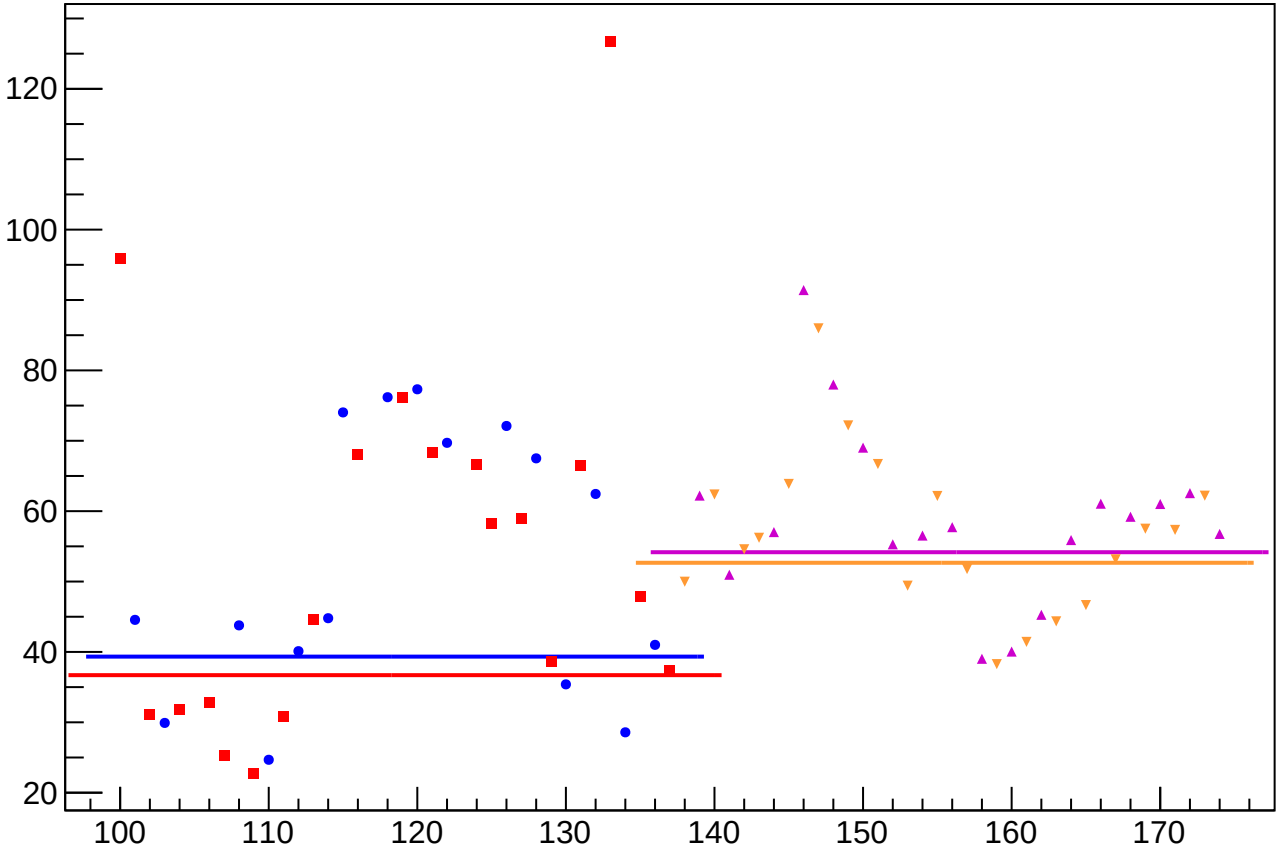
Left In: 0.012+/-0.015 χ^2/NDF:11.5/17

+ sign 0.024+/-0.011 χ^2/NDF: 50.8/34

All: 0.017+/-0.007 χ^2/NDF: 83.5/71

- 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: 52.667+/-0.010 χ^2/NDF:1063788.7/18

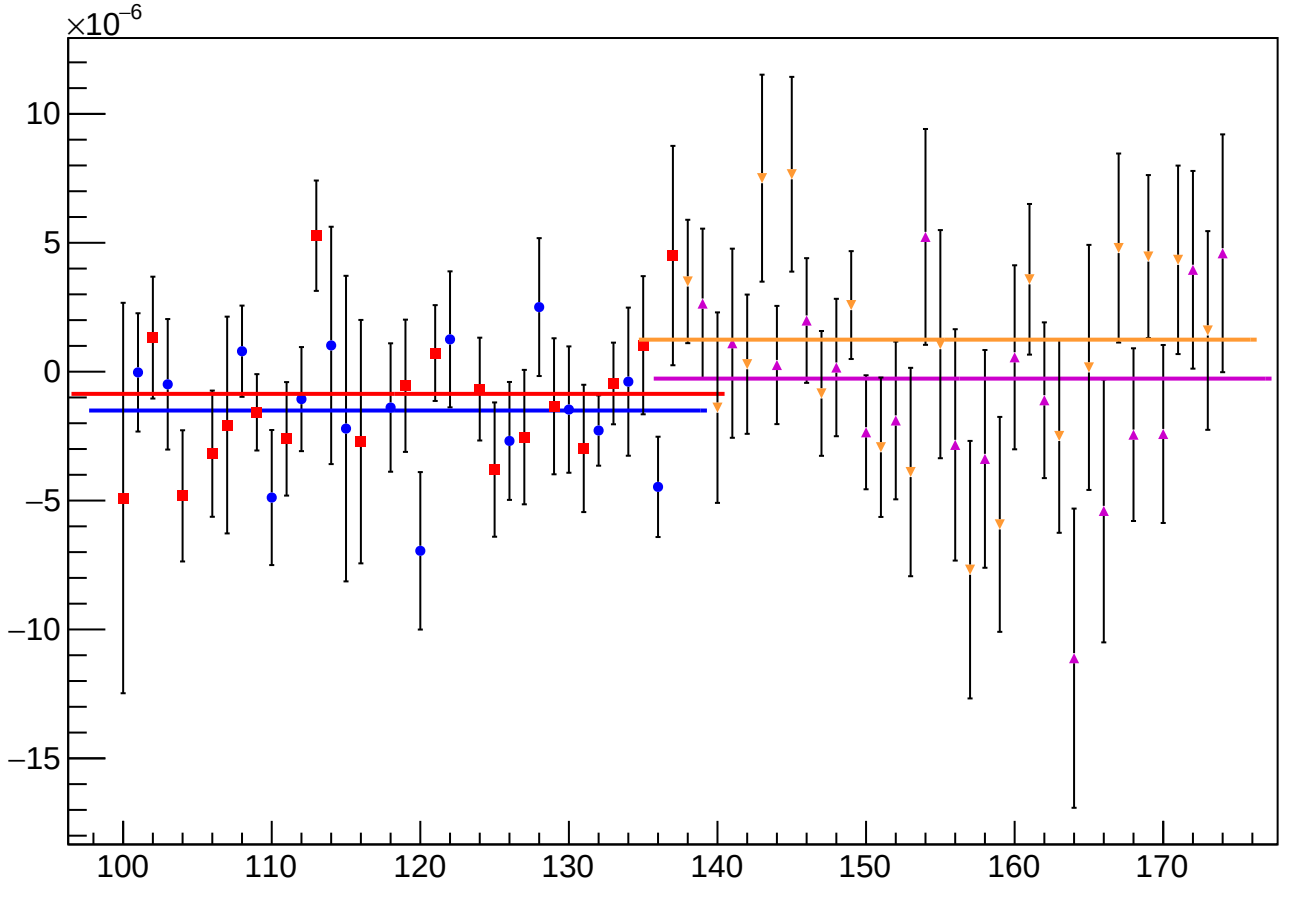
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.168+/-0.010 χ^2/NDF:1166189.4/17

+ sign 46.860+/-0.007 χ^2/NDF: 3412018.4/34

All: 46.310+/-0.005 χ^2/NDF: 8073642.9/71

- 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:22.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

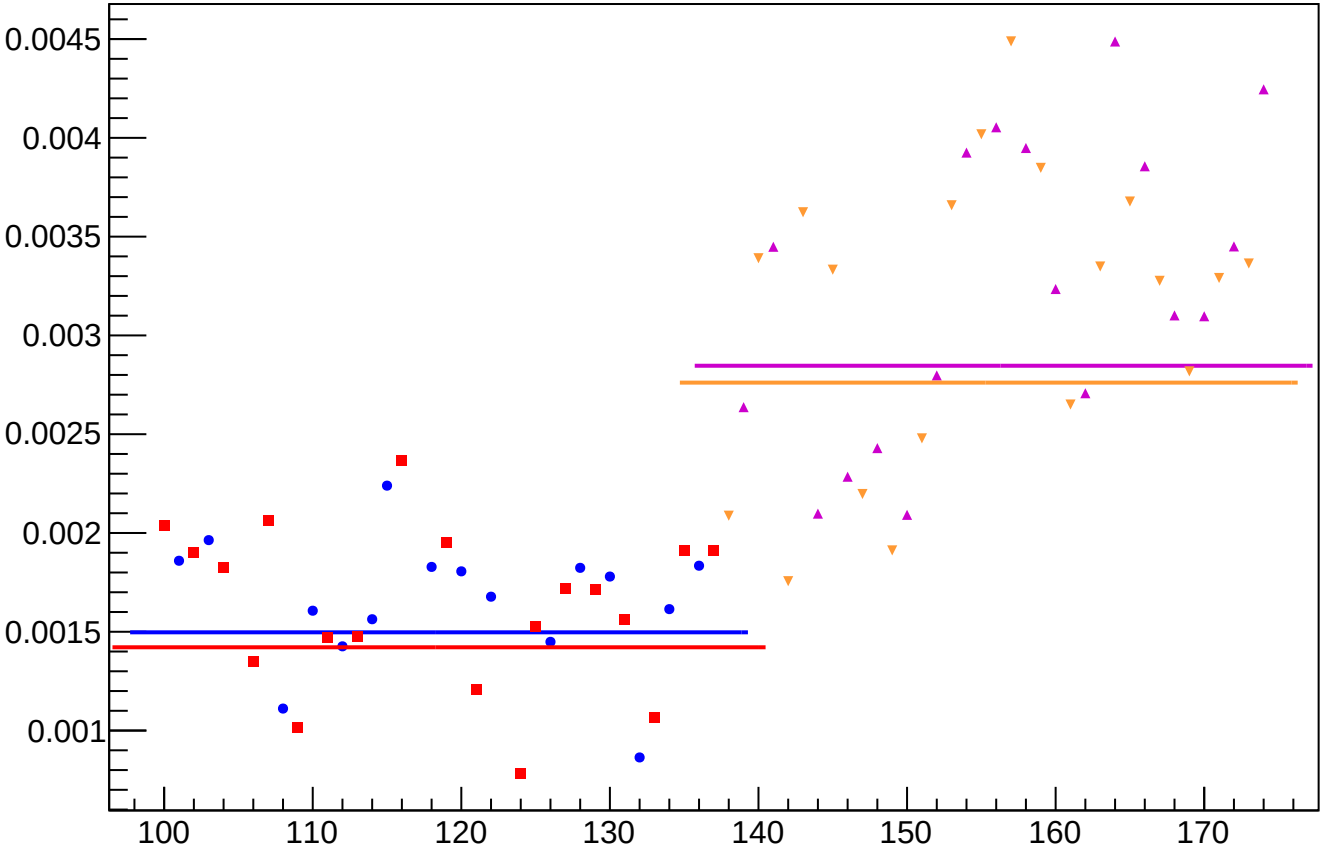
Left In: -0.000+/-0.000 χ^2/NDF:13.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 44.9/34

All: -0.000+/-0.000 χ^2/NDF: 78.1/71

- 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:1983462.5/18

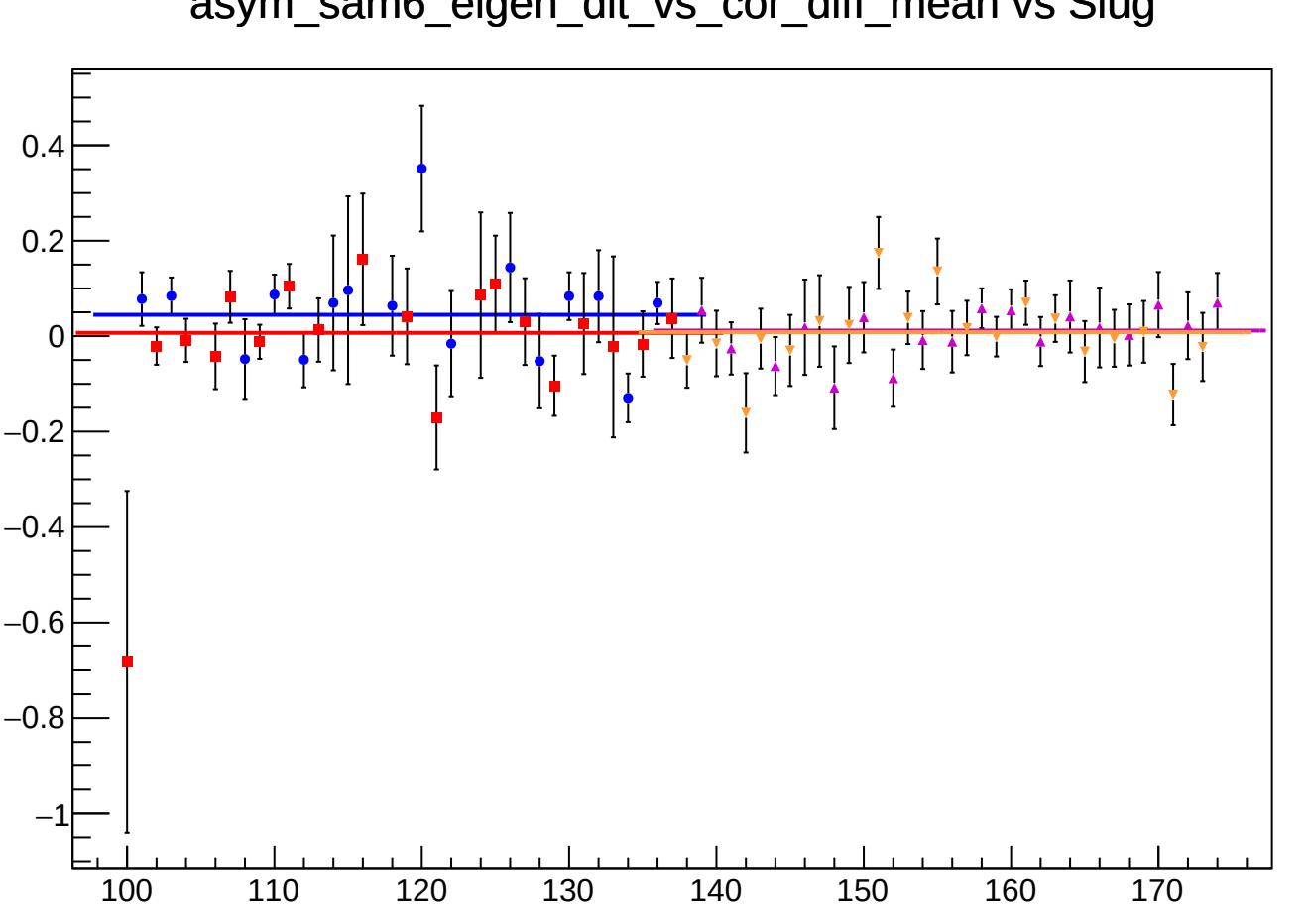
Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1603251.2/17

+ sign 0.002+/-0.000 χ^2/NDF: 6442872.3/34

All: 0.002+/-0.000 χ^2/NDF: 13693658.2/71

- 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:21.2/18

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

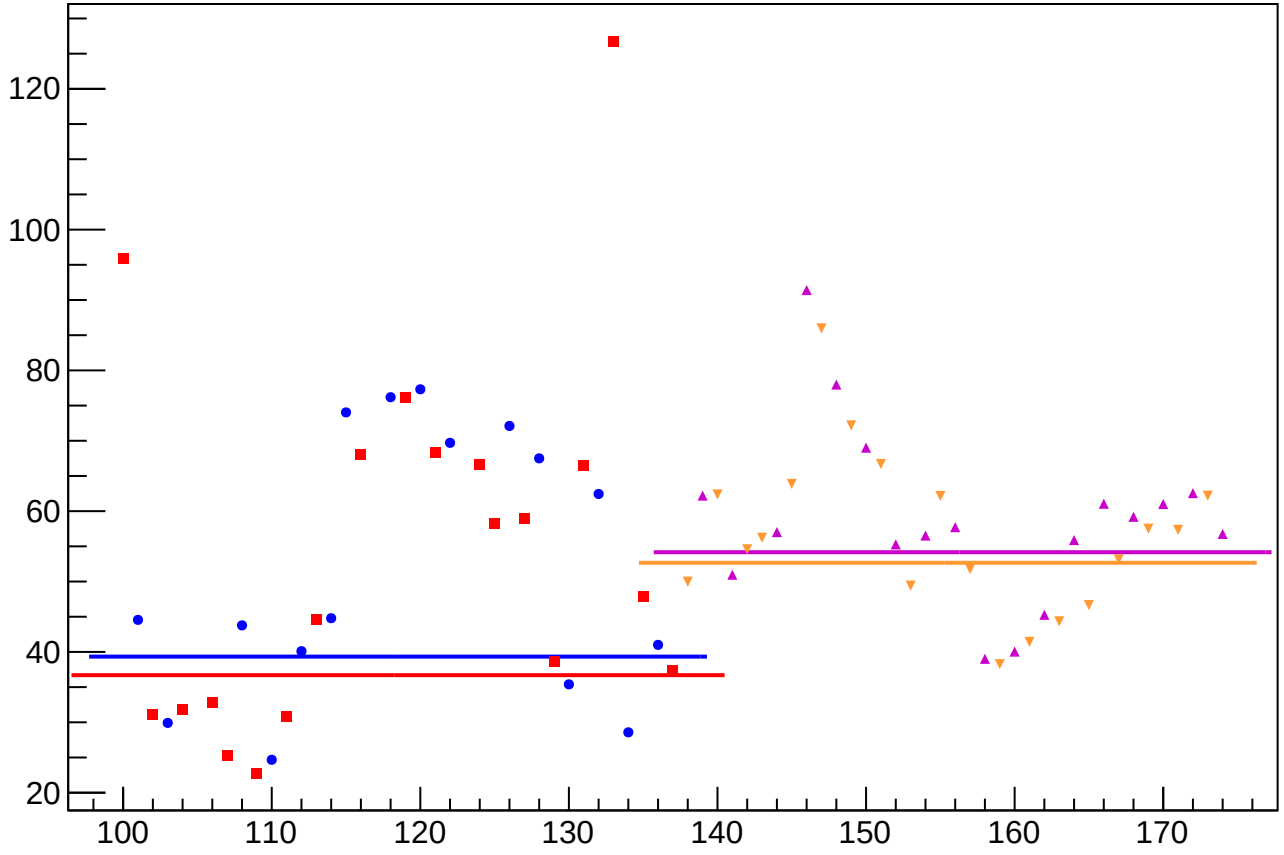
Left In: 0.012+/-0.015 χ^2/NDF:11.5/17

+ sign 0.024+/-0.011 χ^2/NDF: 50.8/34

All: 0.017+/-0.007 χ^2/NDF: 83.5/71

- 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: 52.666+/-0.010 χ^2/NDF:1063876.1/18

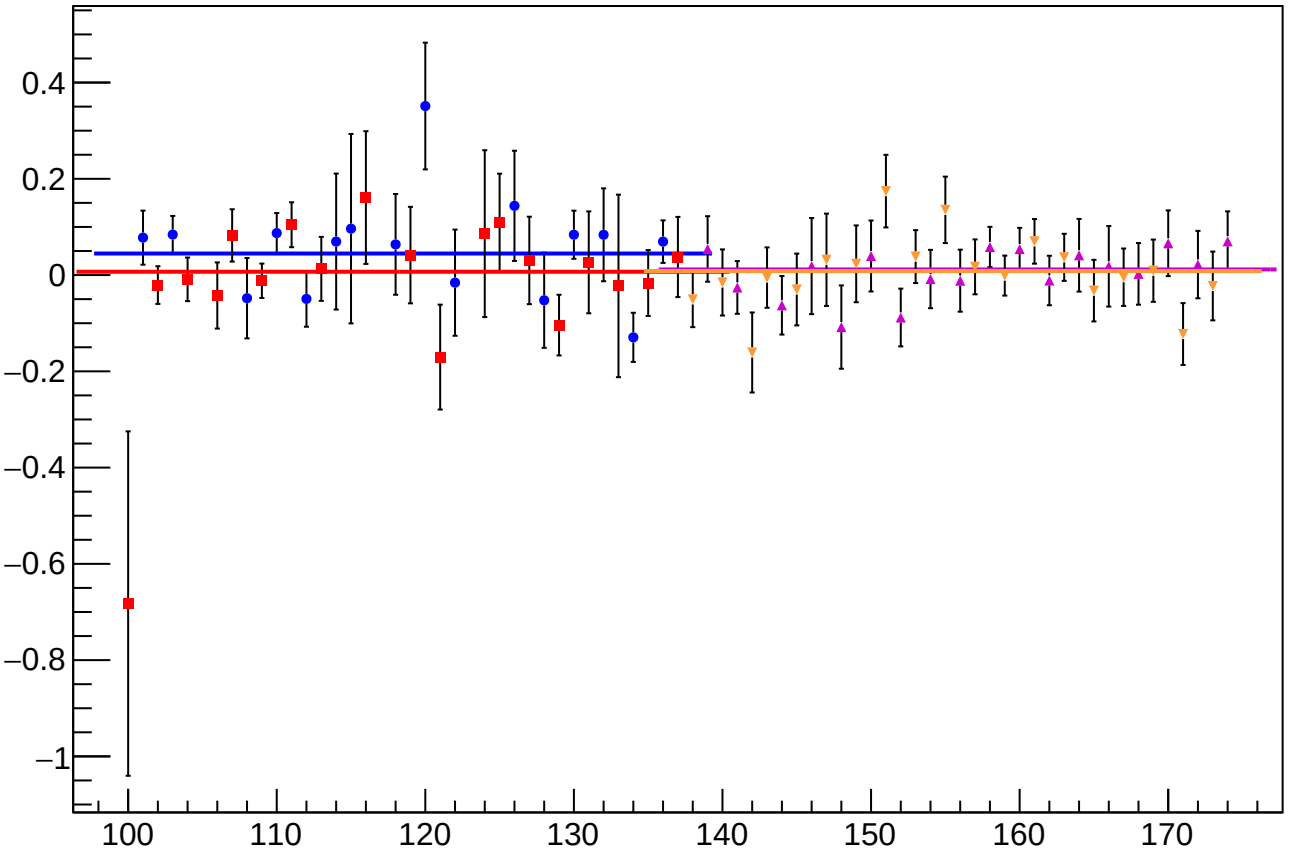
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.166+/-0.010 χ^2/NDF:1166324.7/17

+ sign 46.859+/-0.007 χ^2/NDF: 3412090.9/34

All: 46.310+/-0.005 χ^2/NDF: 8073724.7/71

- sign 45.771+/-0.007 χ^2/NDF: 4650948.9/36



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.2/18

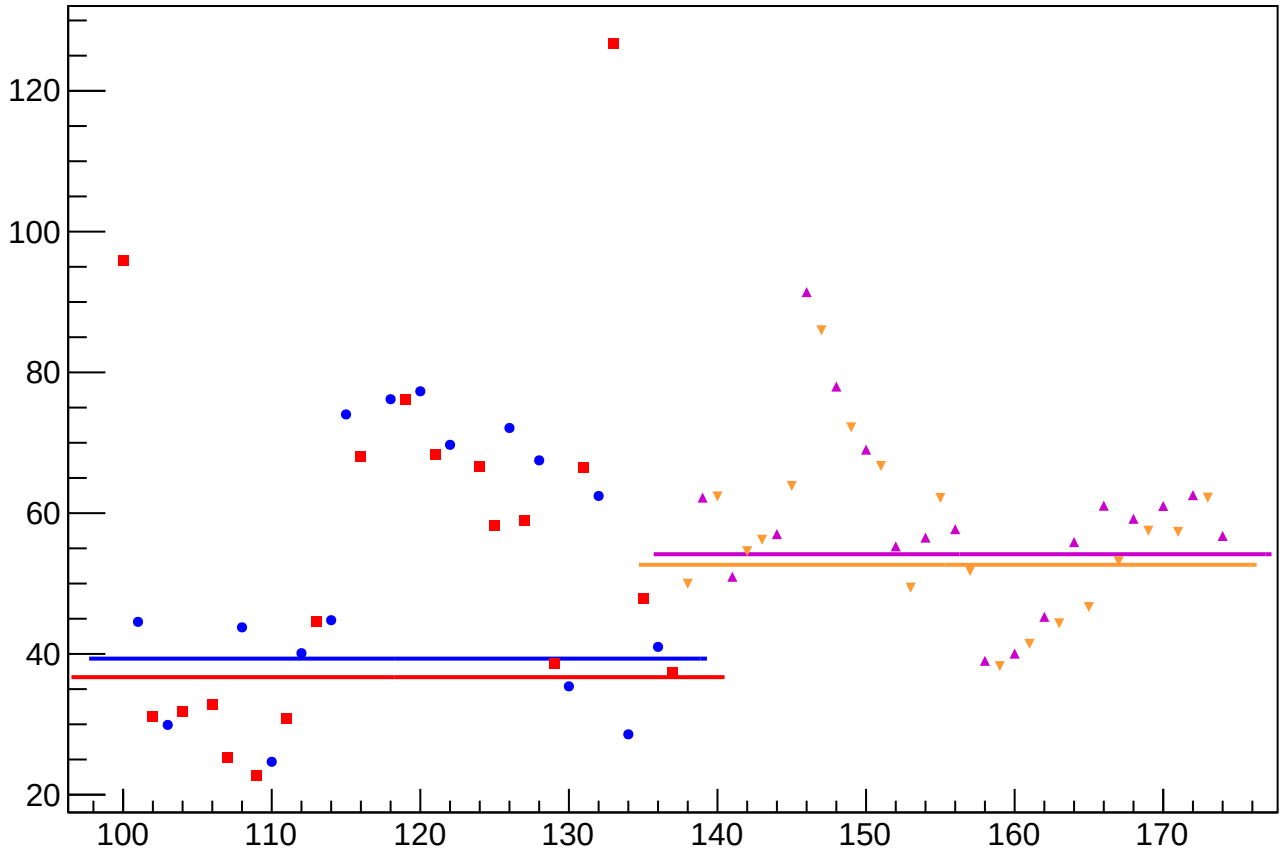
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.012+/-0.015 χ^2/NDF:11.5/17

+ sign 0.024+/-0.011 χ^2/NDF: 50.8/34

All: 0.017+/-0.007 χ^2/NDF: 83.5/71

- 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: 52.666+/-0.010 χ^2/NDF:1063876.1/18

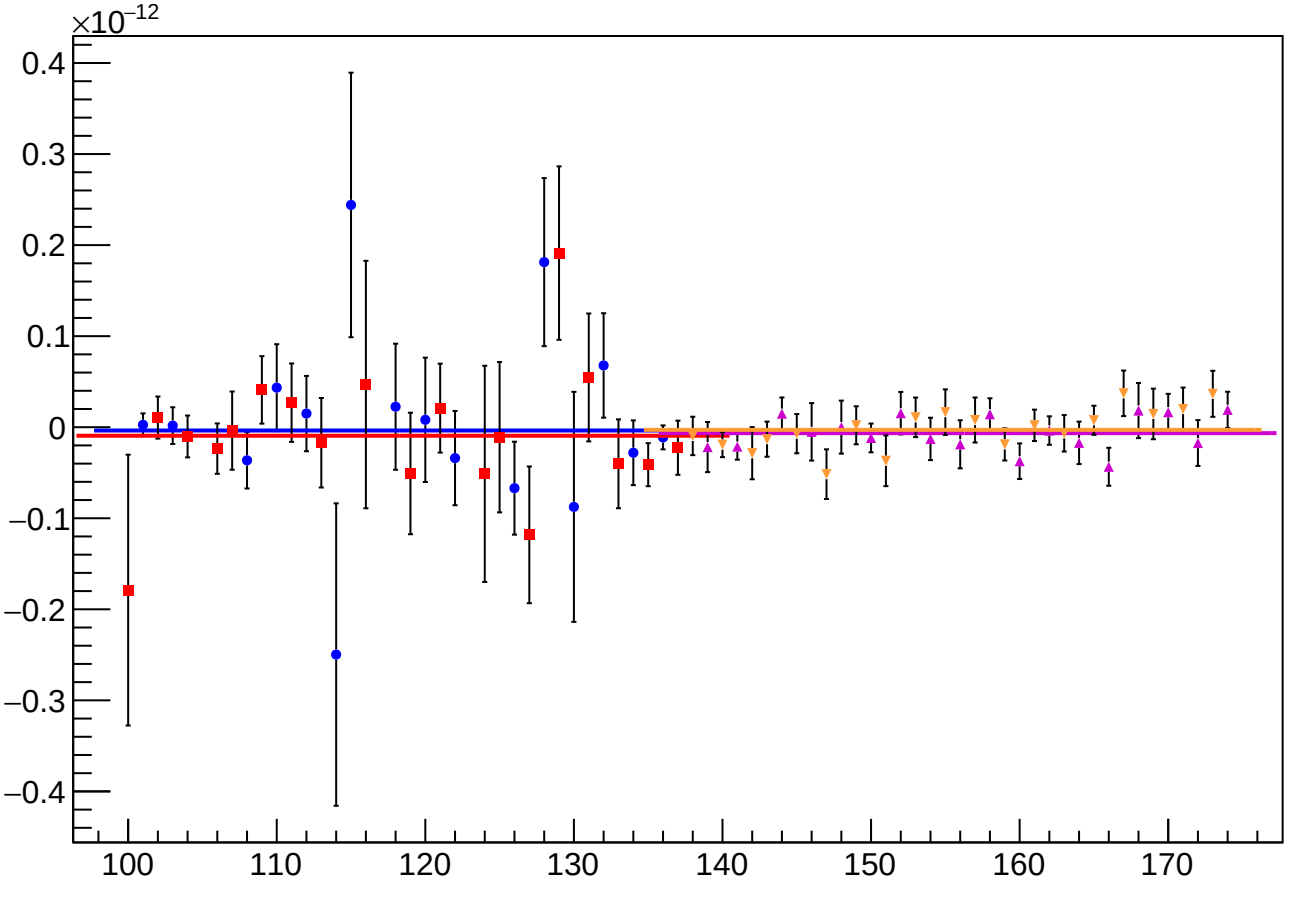
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.166+/-0.010 χ^2/NDF:1166324.7/17

+ sign 46.859+/-0.007 χ^2/NDF: 3412090.9/34

All: 46.310+/-0.005 χ^2/NDF: 8073724.7/71

- 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:16.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

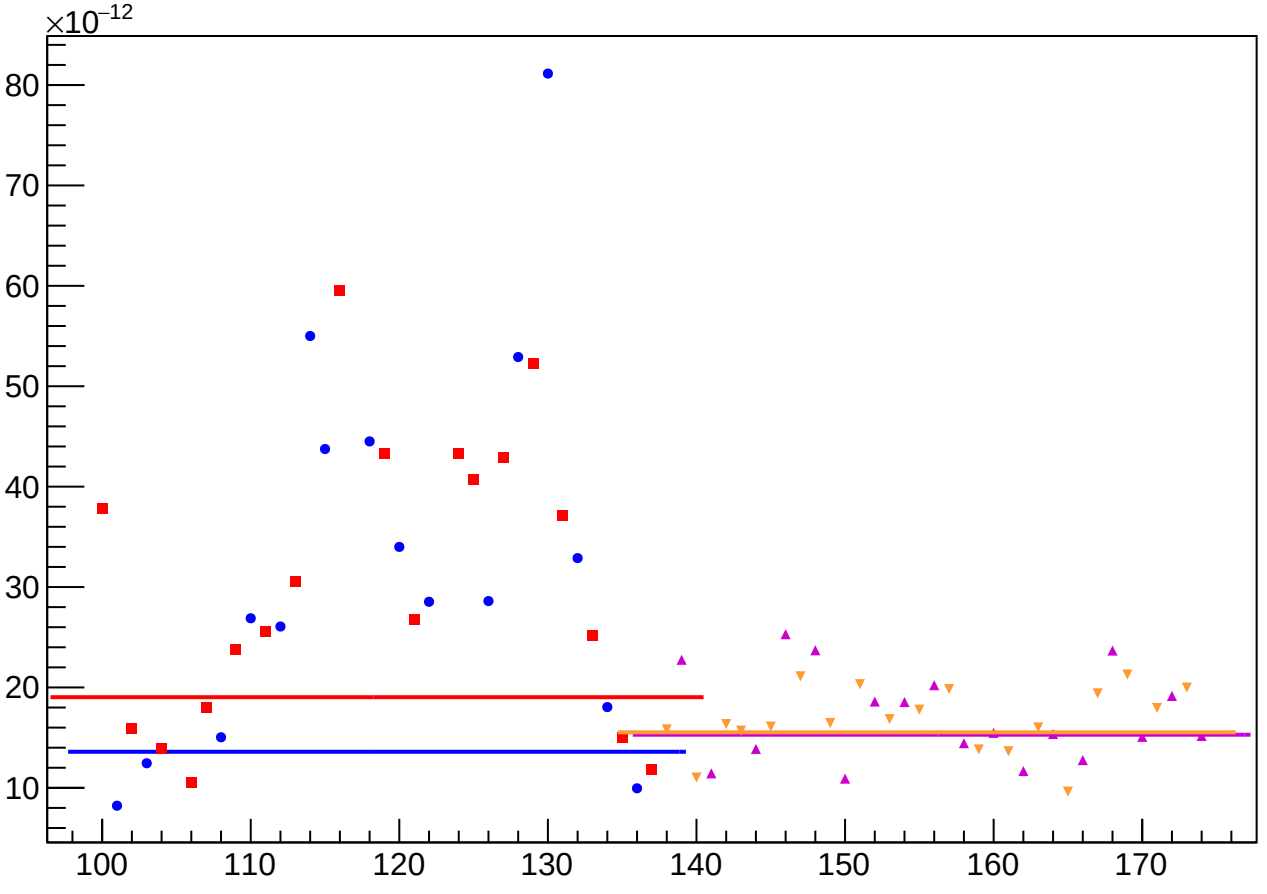
Left In: -0.000+/-0.000 χ^2/NDF:15.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 32.8/34

All: -0.000+/-0.000 χ^2/NDF: 64.3/71

- 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:982397.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

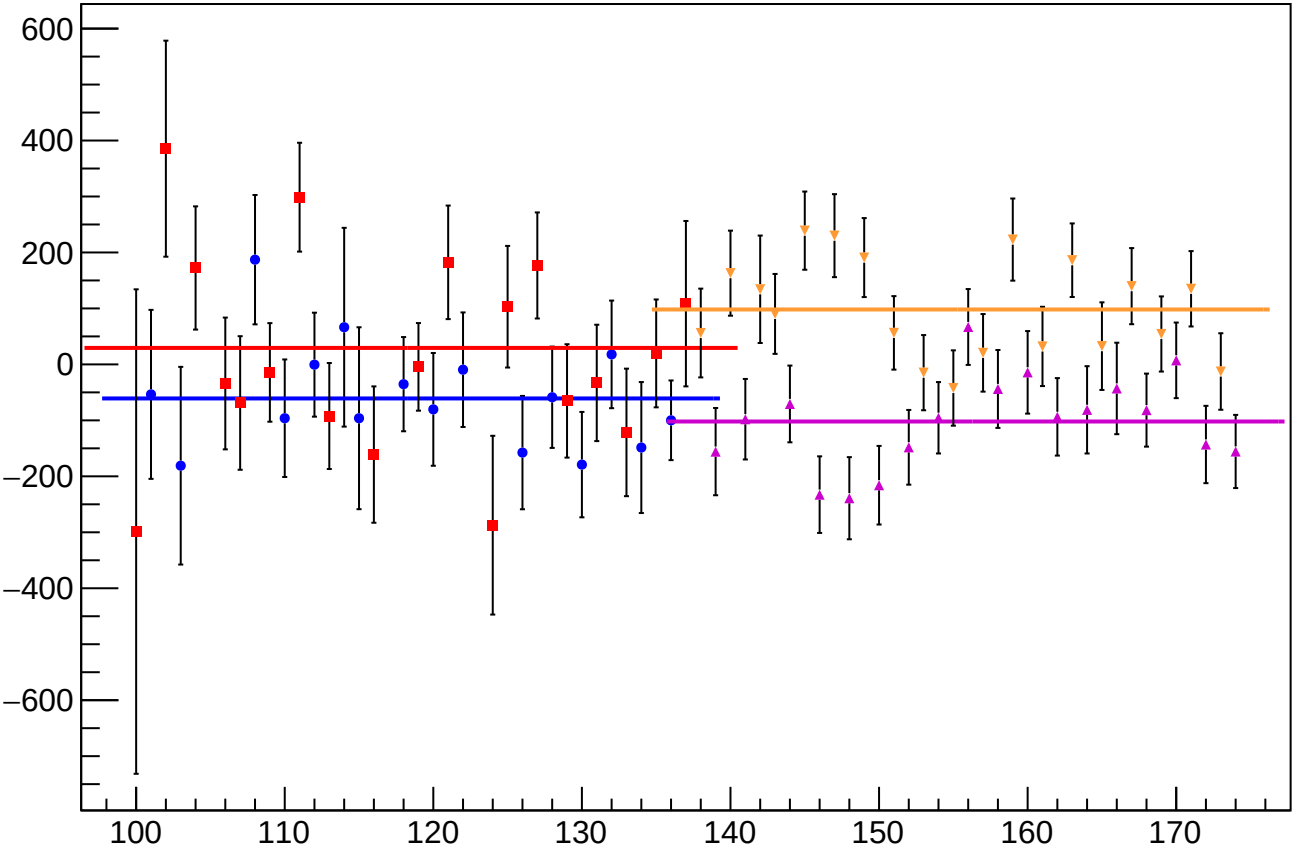
Left In: 0.000+/-0.000 χ^2/NDF:1316510.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 4269325.9/34

All: 0.000+/-0.000 χ^2/NDF: 7979812.8/71

- 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: 98.132+/-16.310 χ^2/NDF:28.9/18

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

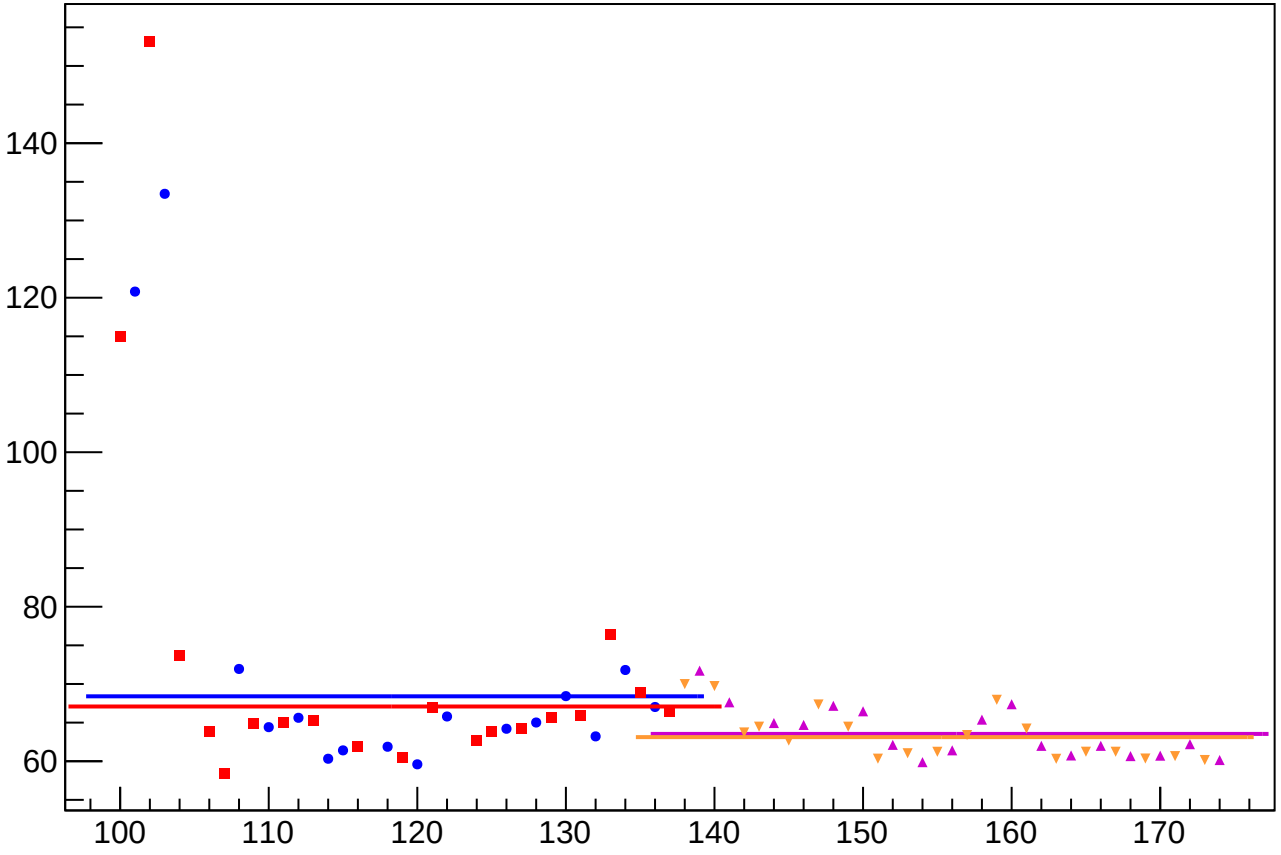
Left In: -102.041+/-16.504 χ^2/NDF:23.6/17

+ sign 53.370+/-13.825 χ^2/NDF: 66.3/34

All: -4.637+/-9.764 χ^2/NDF: 175.4/71

- 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: 63.121+/-0.012 χ^2/NDF:70726.1/18

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

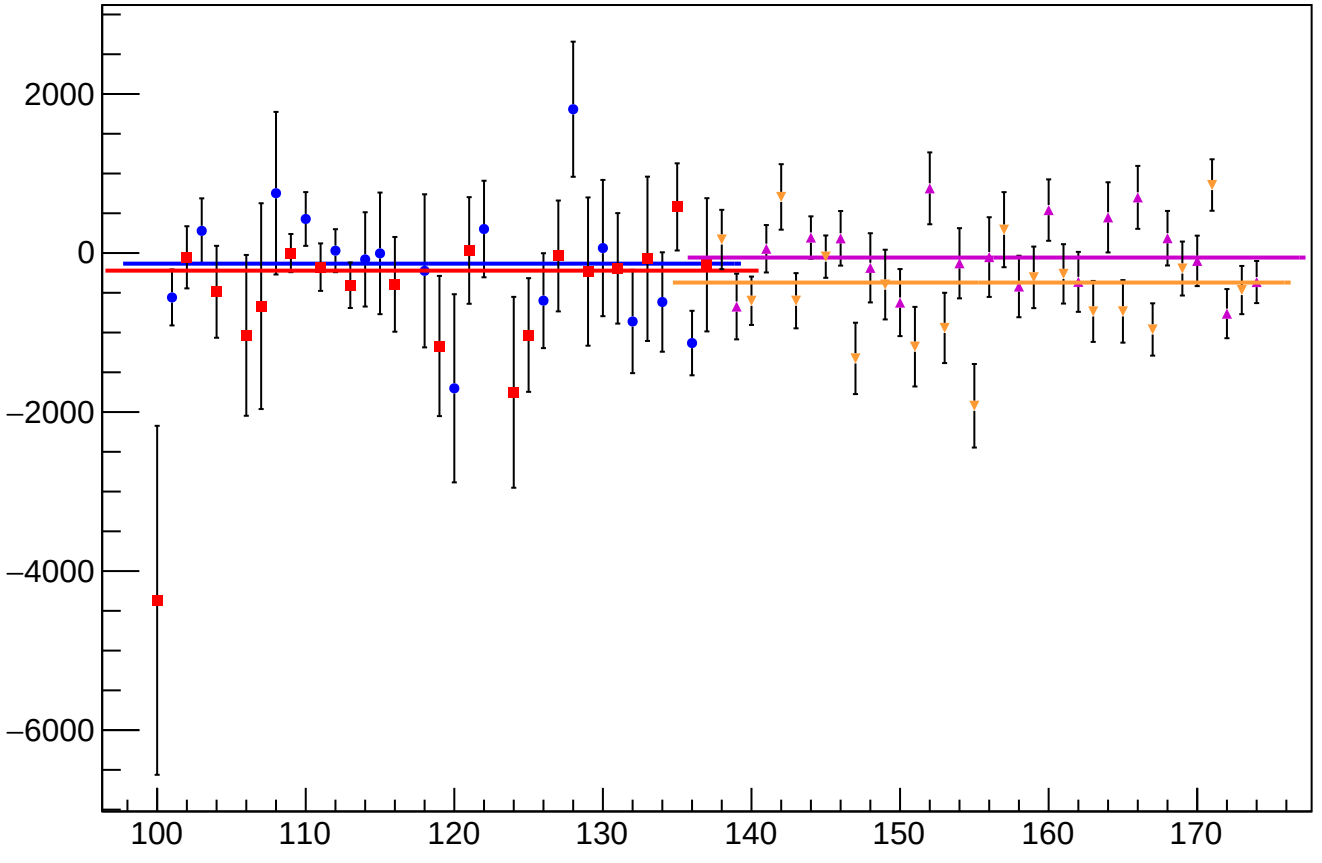
Left In: 63.536+/-0.012 χ^2/NDF:72323.1/17

+ sign 64.608+/-0.010 χ^2/NDF: 699347.9/34

All: 64.608+/-0.007 χ^2/NDF: 1281406.4/71

- sign 64.607+/-0.010 χ^2/NDF: 582058.5/36

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -371.468+/-84.768 χ^2/NDF:50.7/18

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

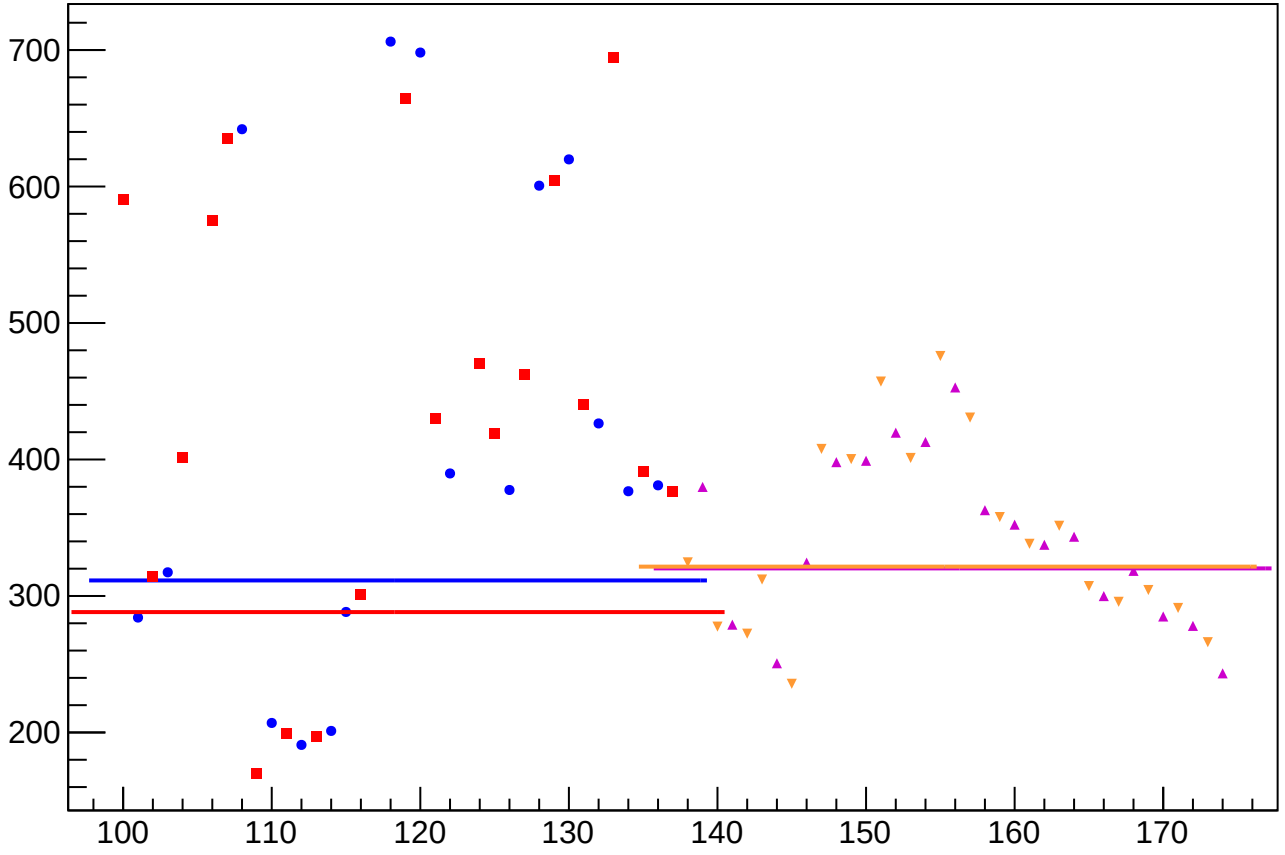
Left In: -56.915+/-84.607 χ^2/NDF:25.4/17

+ sign -297.271+/-70.316 χ^2/NDF: 75.6/34

All: -202.952+/-49.145 χ^2/NDF: 118.3/71

- 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: 321.508+/-0.060 χ^2/NDF:1047539.1/18

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

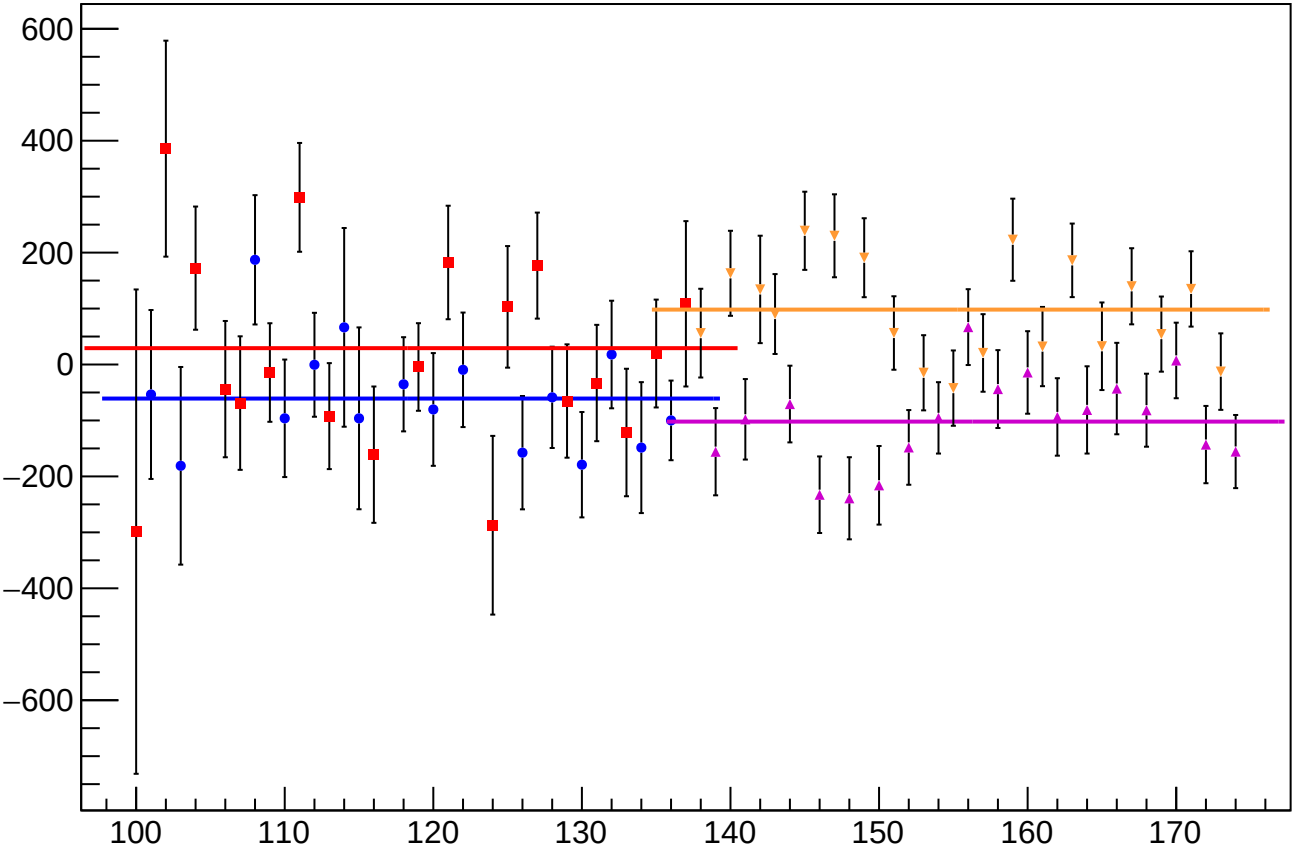
Left In: 320.201+/-0.060 χ^2/NDF:958829.8/17

+ sign 318.351+/-0.050 χ^2/NDF: 3180231.3/34

All: 313.727+/-0.035 χ^2/NDF: 6968709.6/71

- 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: 98.132+/-16.310 χ^2/NDF:28.9/18

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

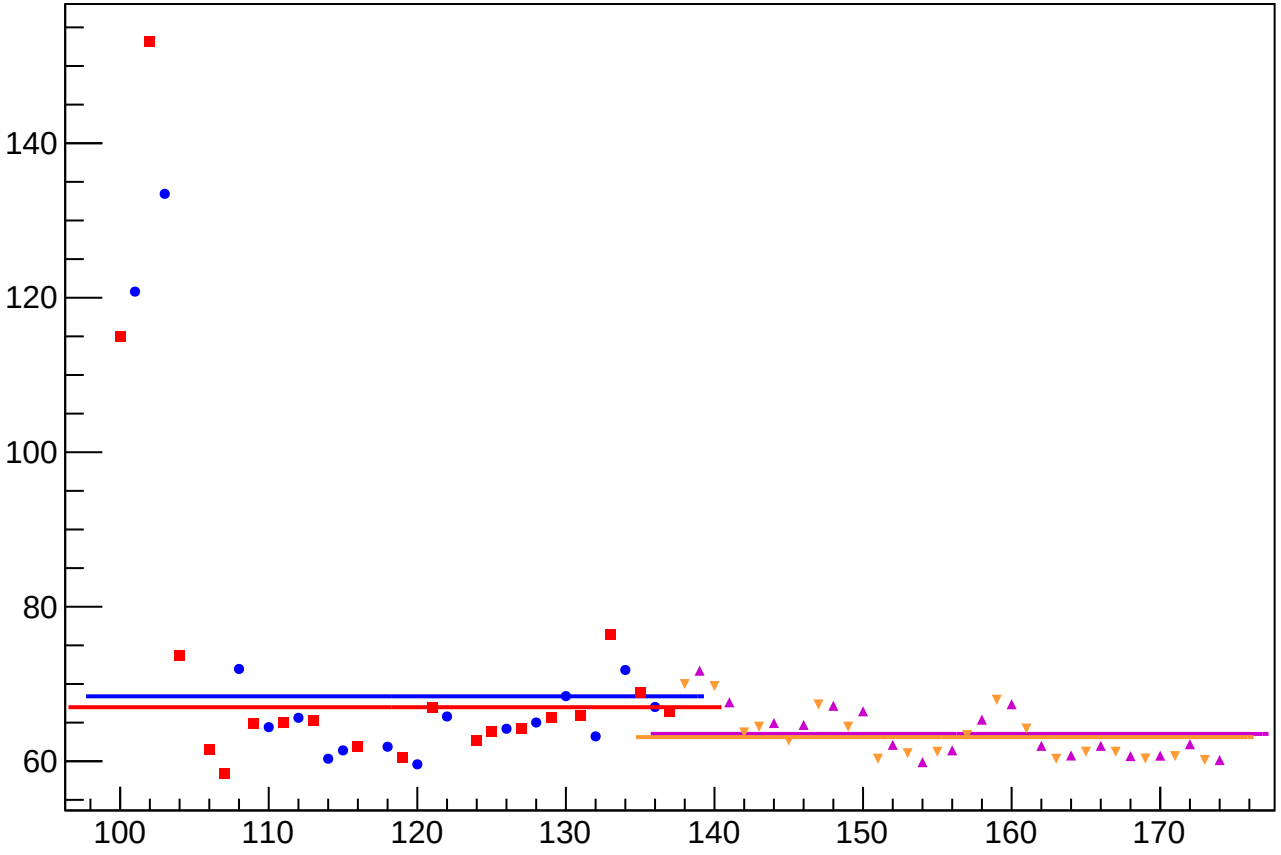
Left In: -102.038+/-16.504 χ^2/NDF:23.6/17

+ sign 53.370+/-13.825 χ^2/NDF: 66.3/34

All: -4.686+/-9.766 χ^2/NDF: 175.4/71

- 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: 63.121+/-0.012 χ^2/NDF:70726.1/18

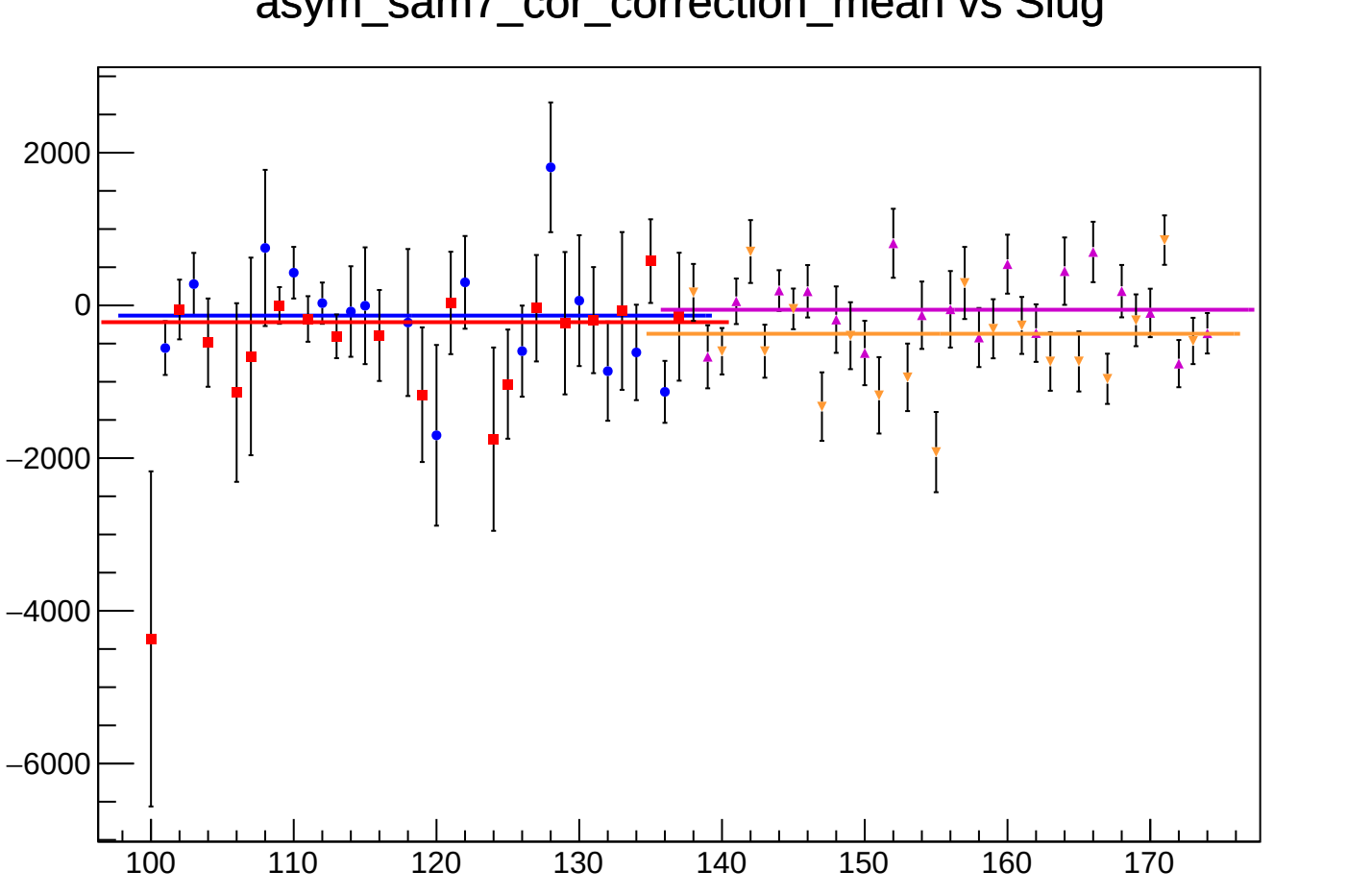
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.536+/-0.012 χ^2/NDF:72323.1/17

+ sign 64.608+/-0.010 χ^2/NDF: 699348.2/34

All: 64.593+/-0.007 χ^2/NDF: 1282614.0/71

- 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: -371.468+/-84.768 χ^2/NDF:50.7/18

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

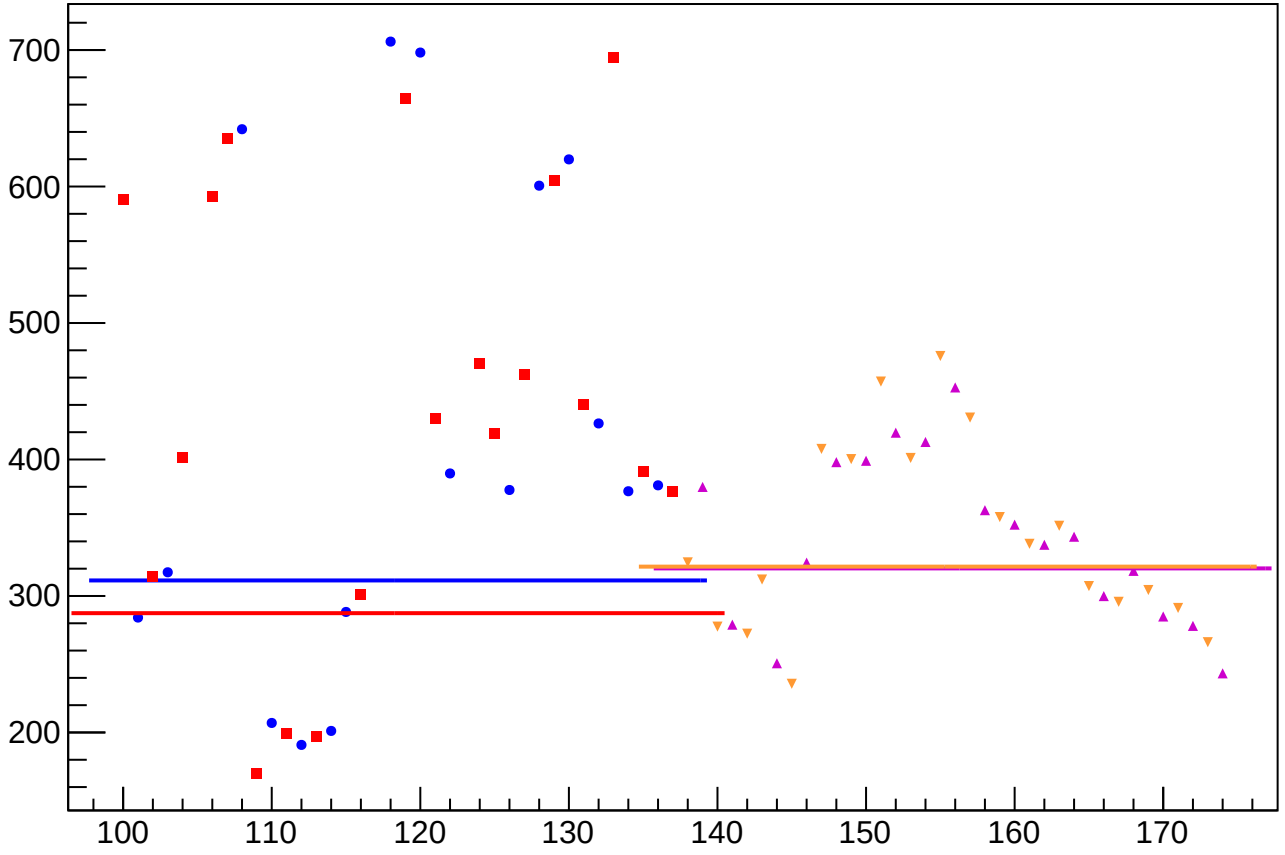
Left In: -56.907+/-84.607 χ^2/NDF:25.4/17

+ sign -297.271+/-70.316 χ^2/NDF: 75.6/34

All: -202.641+/-49.160 χ^2/NDF: 118.3/71

- 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: 321.508+/-0.060 χ^2/NDF:1047542.8/18

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

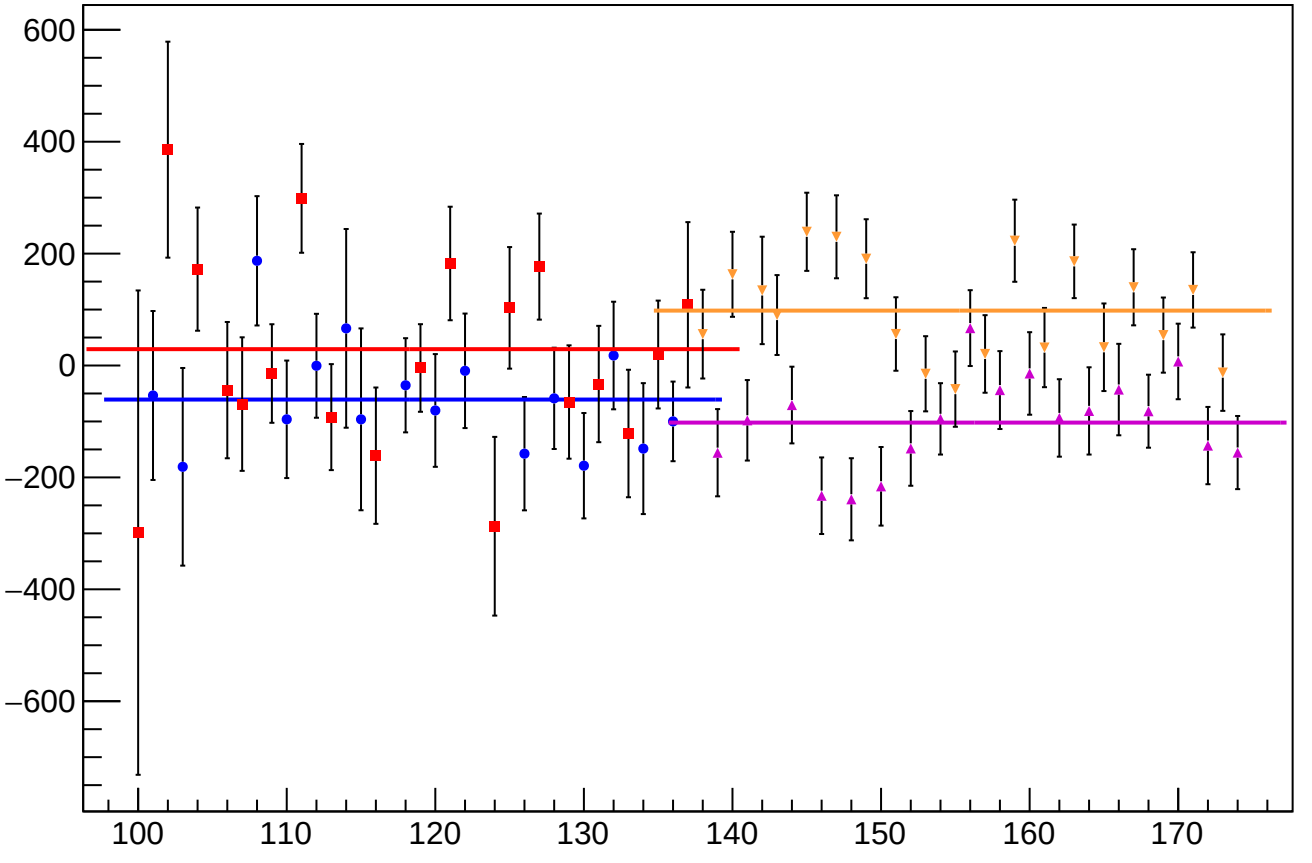
Left In: 320.201+/-0.060 χ^2/NDF:958836.8/17

+ sign 318.351+/-0.050 χ^2/NDF: 3180232.7/34

All: 313.605+/-0.035 χ^2/NDF: 6949151.4/71

- 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: 98.132+/-16.310 χ^2/NDF:28.9/18

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

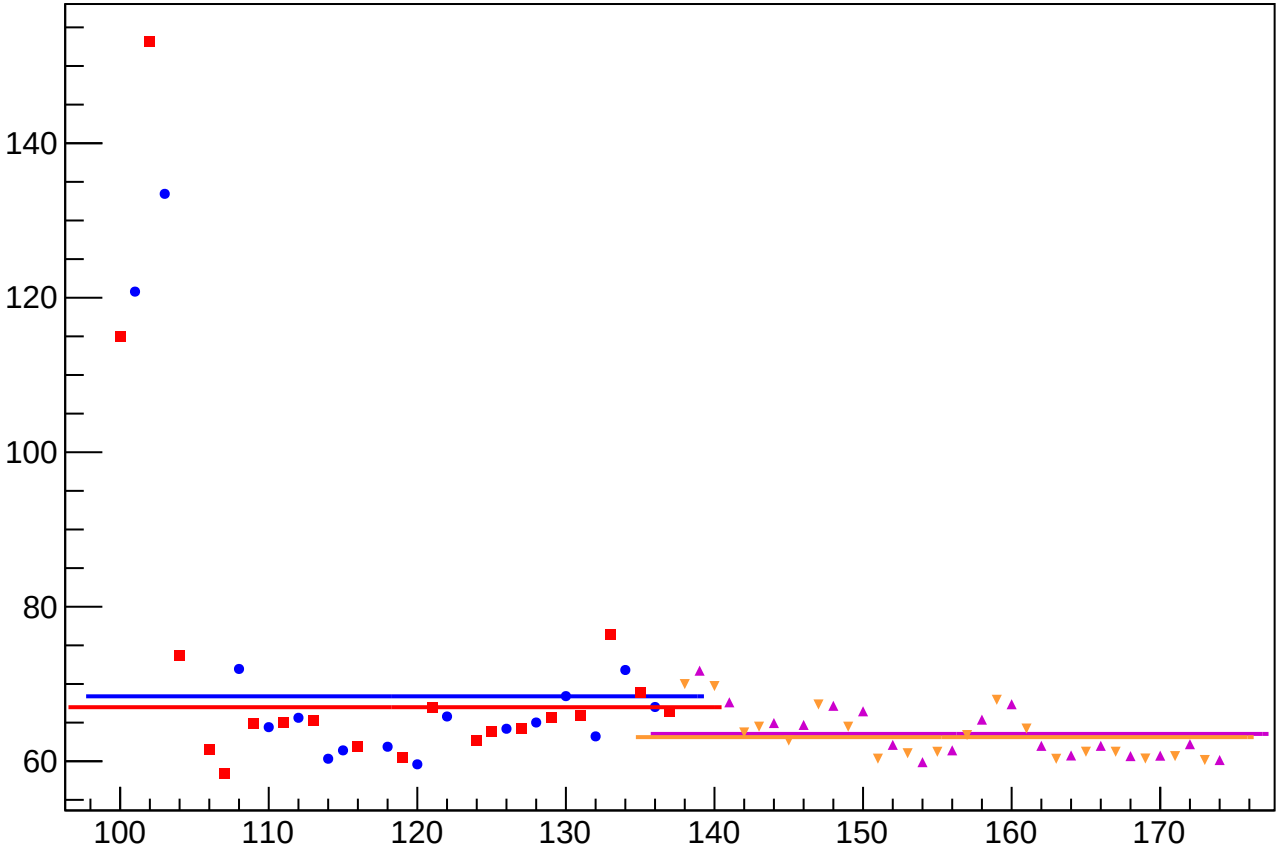
Left In: -102.038+/-16.504 χ^2/NDF:23.6/17

+ sign 53.370+/-13.825 χ^2/NDF: 66.3/34

All: -4.686+/-9.766 χ^2/NDF: 175.4/71

- 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: 63.121+/-0.012 χ^2/NDF:70726.1/18

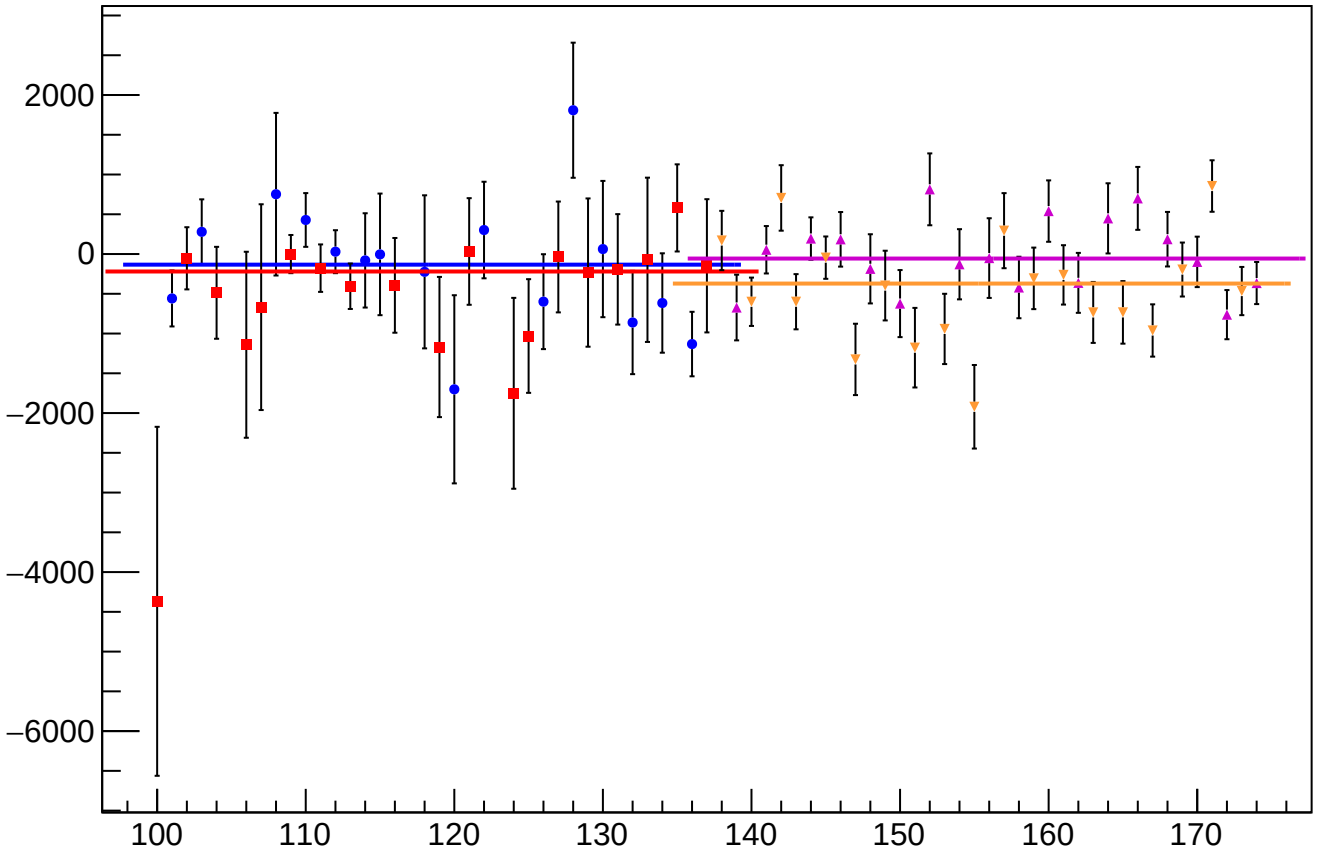
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.536+/-0.012 χ^2/NDF:72323.1/17

+ sign 64.608+/-0.010 χ^2/NDF: 699348.2/34

All: 64.593+/-0.007 χ^2/NDF: 1282614.0/71

- 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: -371.468+/-84.768 χ^2/NDF:50.7/18

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

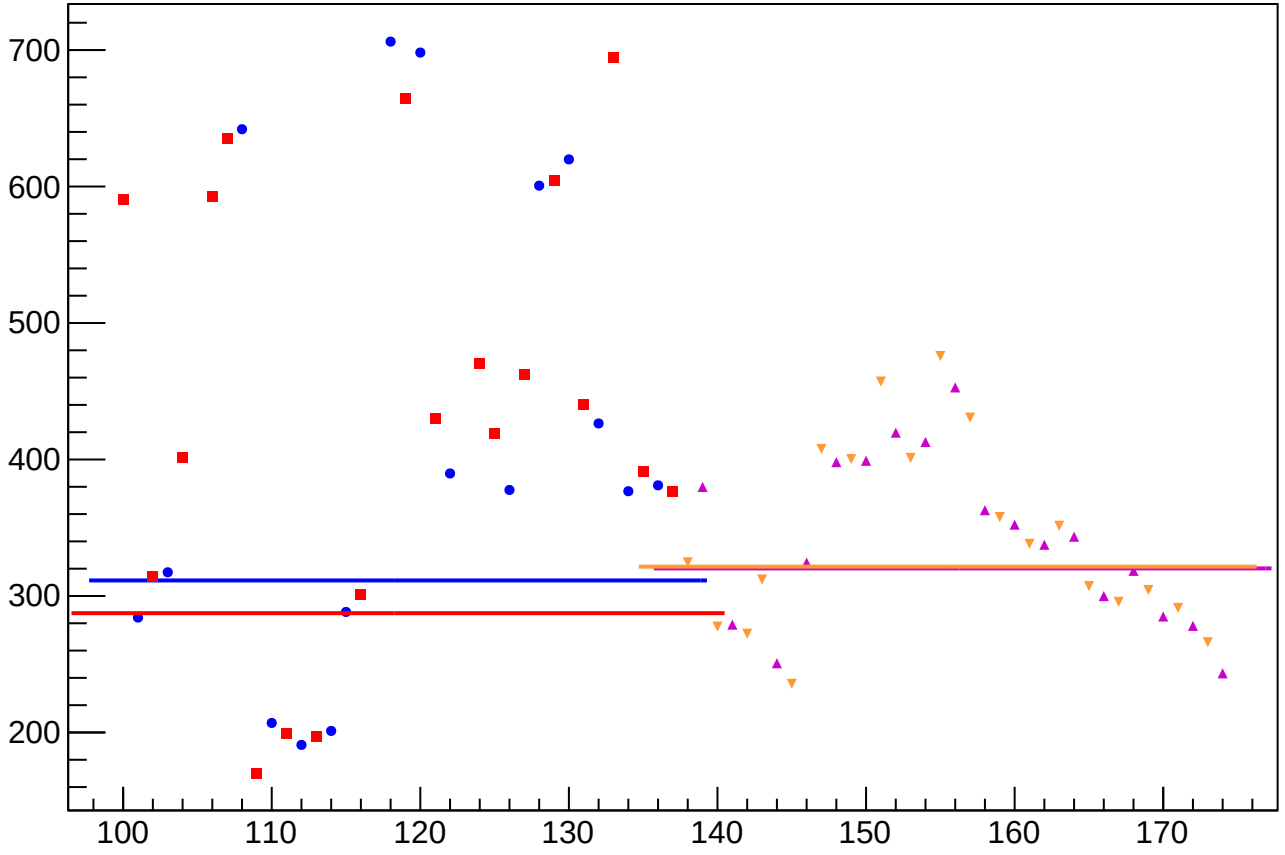
Left In: -56.907+/-84.607 χ^2/NDF:25.4/17

+ sign -297.271+/-70.316 χ^2/NDF: 75.6/34

All: -202.641+/-49.160 χ^2/NDF: 118.3/71

- 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: 321.508+/-0.060 χ^2/NDF:1047542.8/18

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

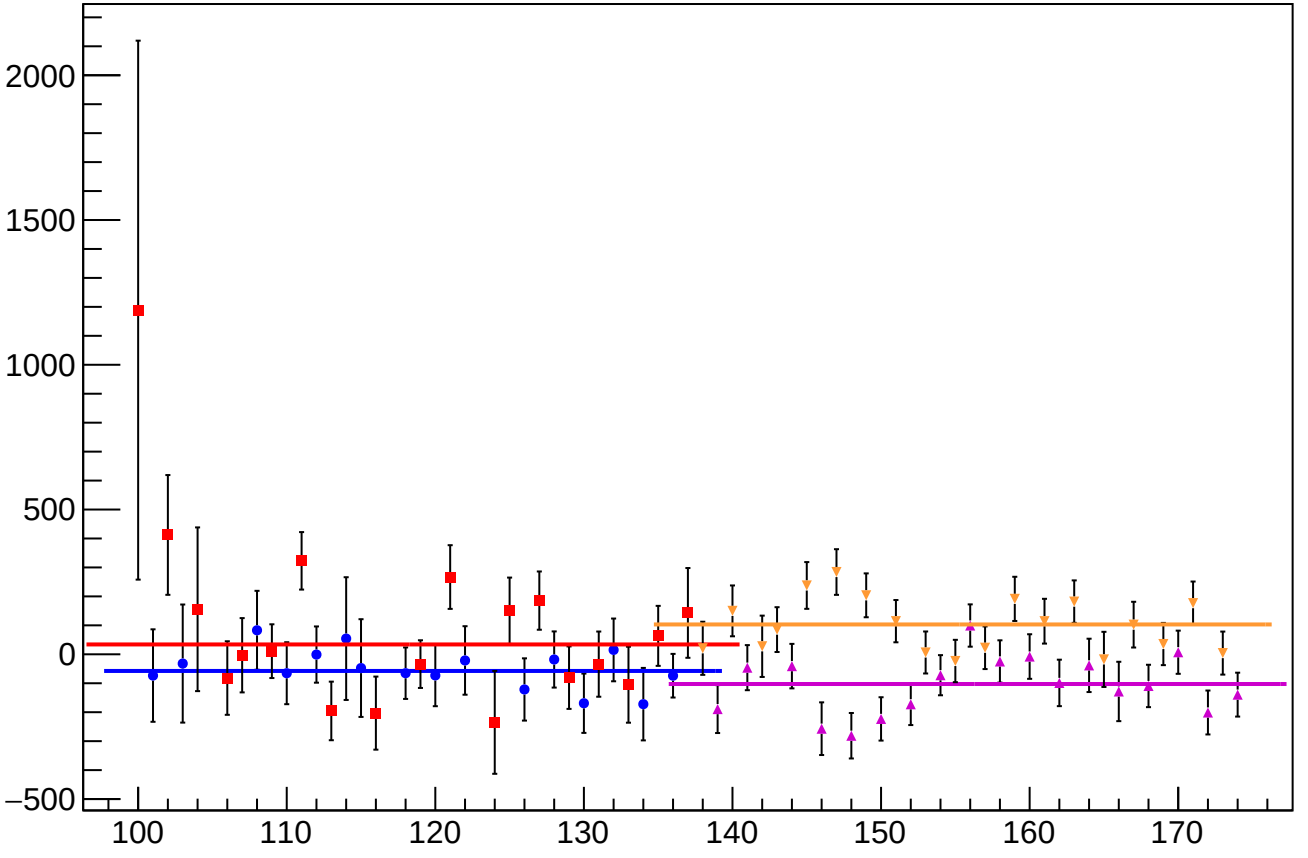
Left In: 320.201+/-0.060 χ^2/NDF:958836.8/17

+ sign 318.351+/-0.050 χ^2/NDF: 3180232.7/34

All: 313.605+/-0.035 χ^2/NDF: 6949151.4/71

- 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: 103.094+/-18.000 χ^2/NDF:25.2/18

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

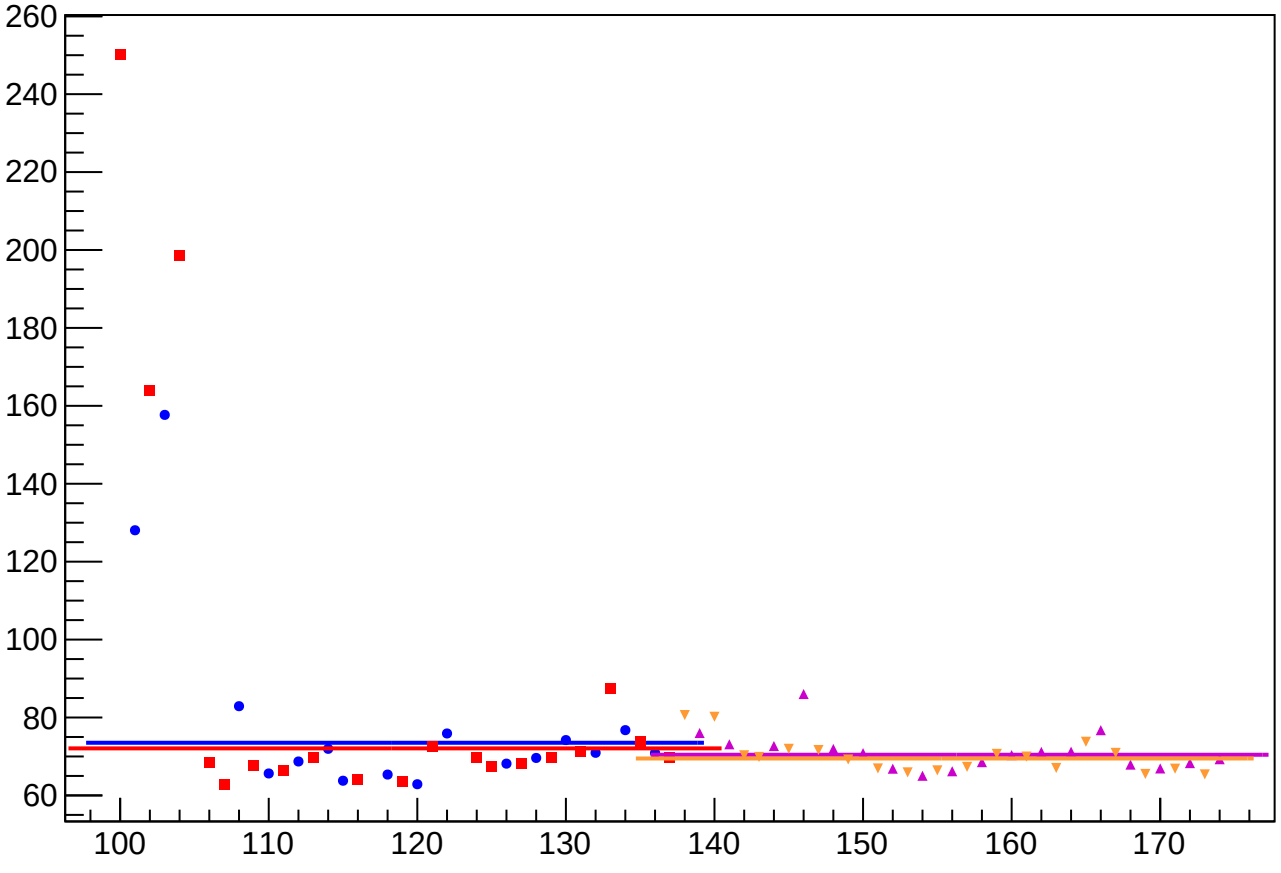
Left In: -102.610+/-18.350 χ^2/NDF:29.0/17

+ sign 56.329+/-15.155 χ^2/NDF: 53.2/34

All: -1.635+/-10.748 χ^2/NDF: 166.0/71

- 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: 69.480+/-0.013 χ^2/NDF:97168.6/18

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

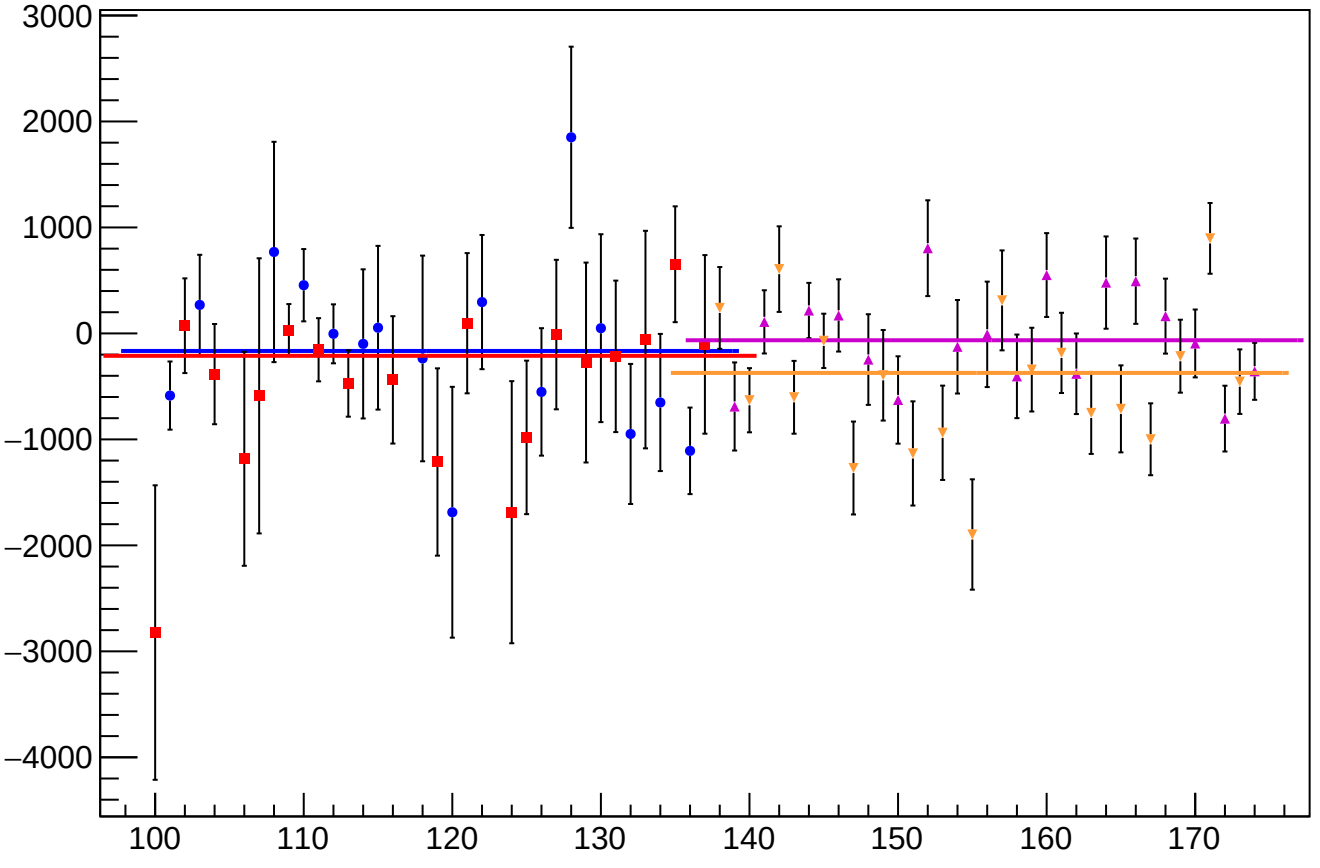
Left In: 70.437+/-0.013 χ^2/NDF:114585.4/17

+ sign 70.656+/-0.011 χ^2/NDF: 783332.1/34

All: 70.799+/-0.008 χ^2/NDF: 1861697.8/71

- 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: -372.743+/-85.002 χ^2/NDF:49.9/18

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

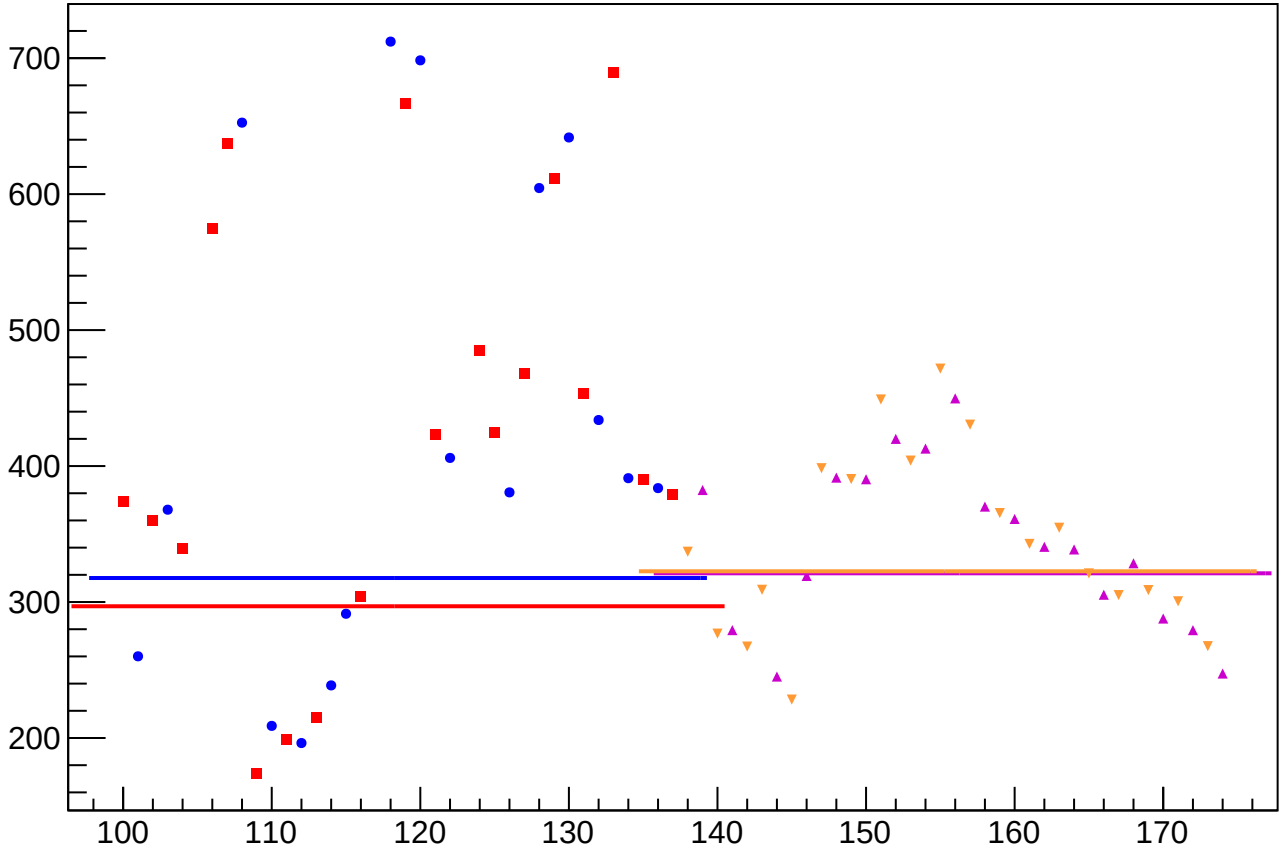
Left In: -64.518+/-84.858 χ^2/NDF:24.6/17

+ sign -309.618+/-70.884 χ^2/NDF: 74.3/34

All: -209.303+/-49.556 χ^2/NDF: 117.5/71

- 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: 322.607+/-0.060 χ^2/NDF:1063709.2/18

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

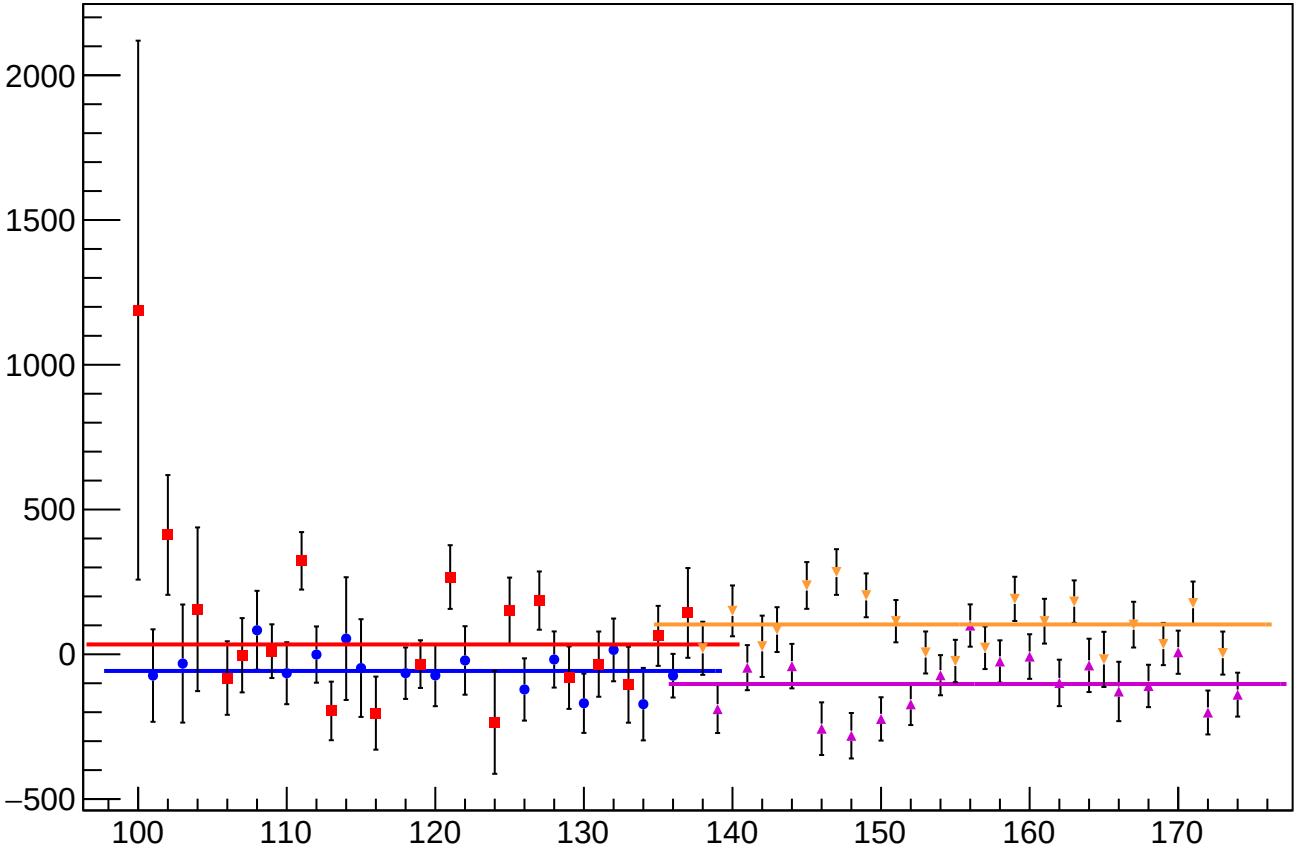
Left In: 321.130+/-0.060 χ^2/NDF:950432.4/17

+ sign 321.101+/-0.050 χ^2/NDF: 3201962.3/34

All: 316.990+/-0.035 χ^2/NDF: 6760932.9/71

- 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: 103.094+/-18.000 χ^2/NDF:25.2/18

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

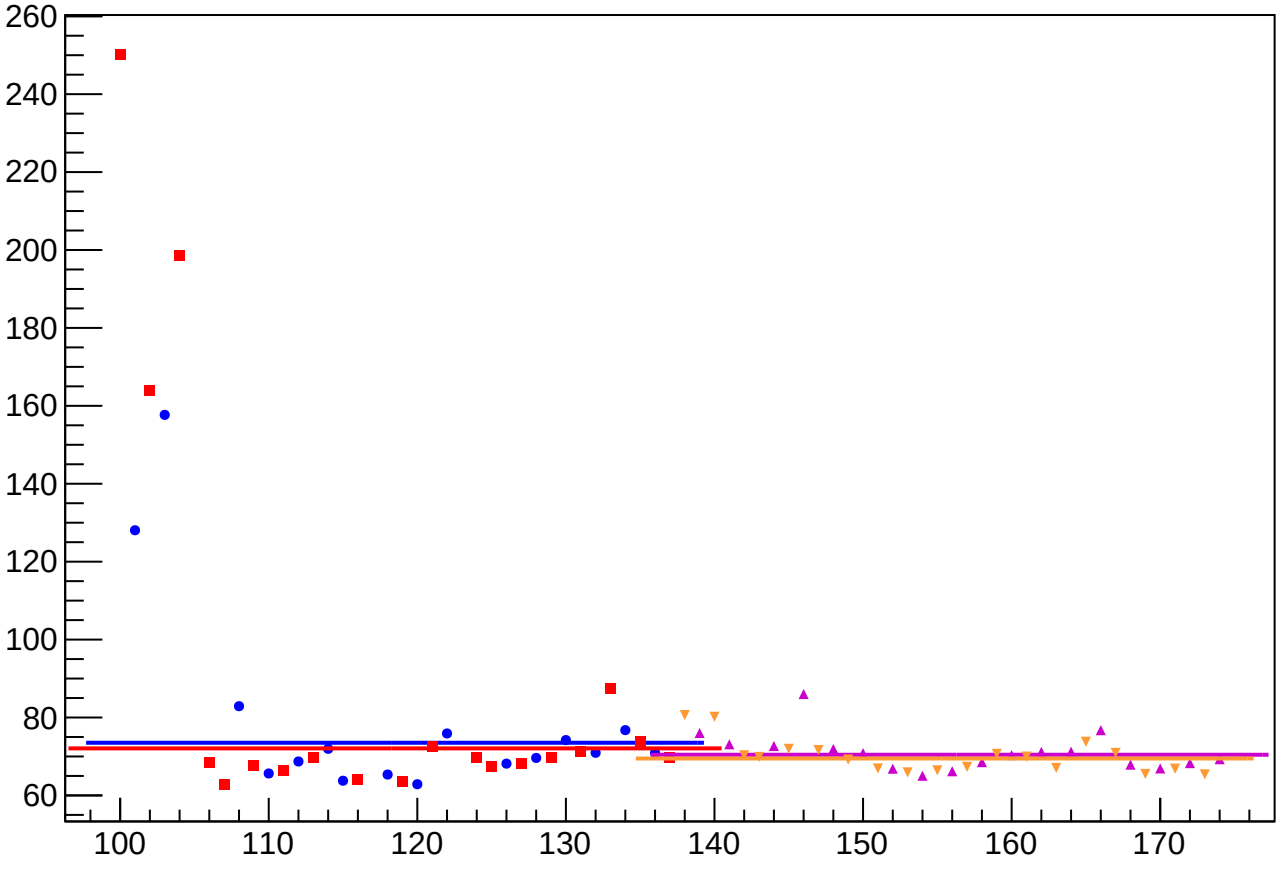
Left In: -102.610+/-18.350 χ^2/NDF:29.0/17

+ sign 56.328+/-15.155 χ^2/NDF: 53.2/34

All: -1.635+/-10.748 χ^2/NDF: 166.0/71

- 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: 69.480+/-0.013 χ^2/NDF:97167.5/18

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

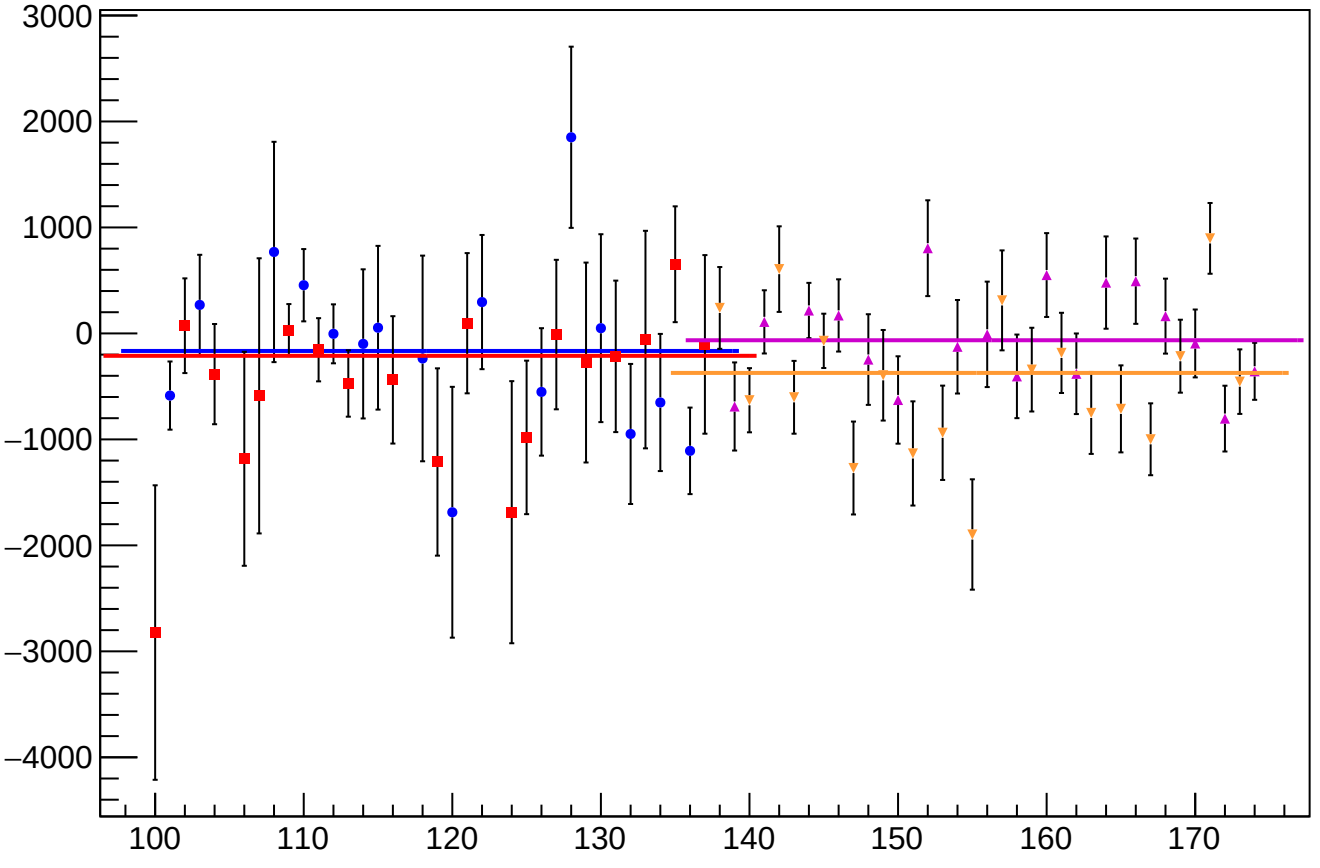
Left In: 70.438+/-0.013 χ^2/NDF:114585.1/17

+ sign 70.656+/-0.011 χ^2/NDF: 783330.7/34

All: 70.799+/-0.008 χ^2/NDF: 1861696.7/71

- sign 70.944+/-0.011 χ^2/NDF: 1078006.5/36

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -372.743+/-85.002 χ^2/NDF:49.9/18

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

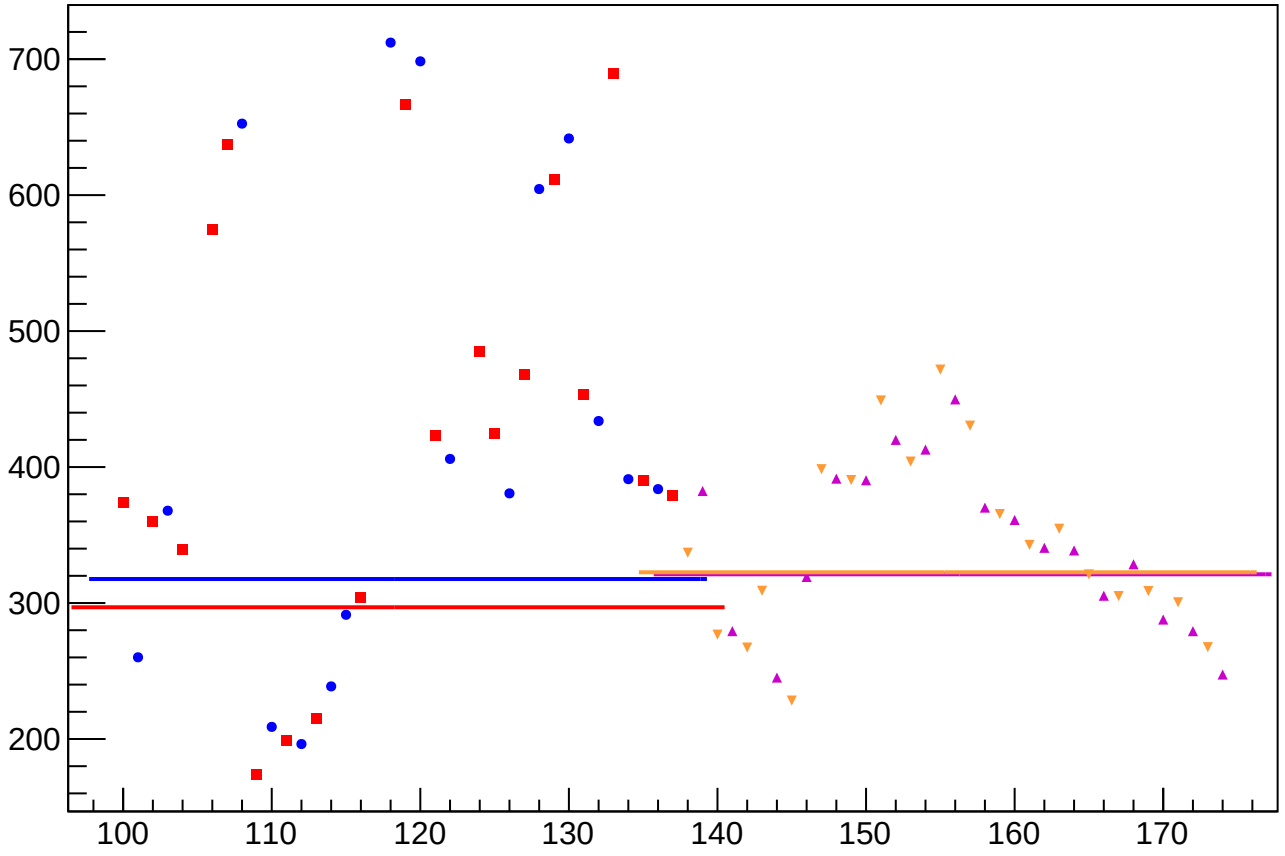
Left In: -64.517+/-84.858 χ^2/NDF:24.6/17

\+ sign -309.618+/-70.884 χ^2/NDF: 74.3/34

All: -209.302+/-49.556 χ^2/NDF: 117.5/71

\- 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: 322.607+/-0.060 χ^2/NDF:1063715.2/18

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

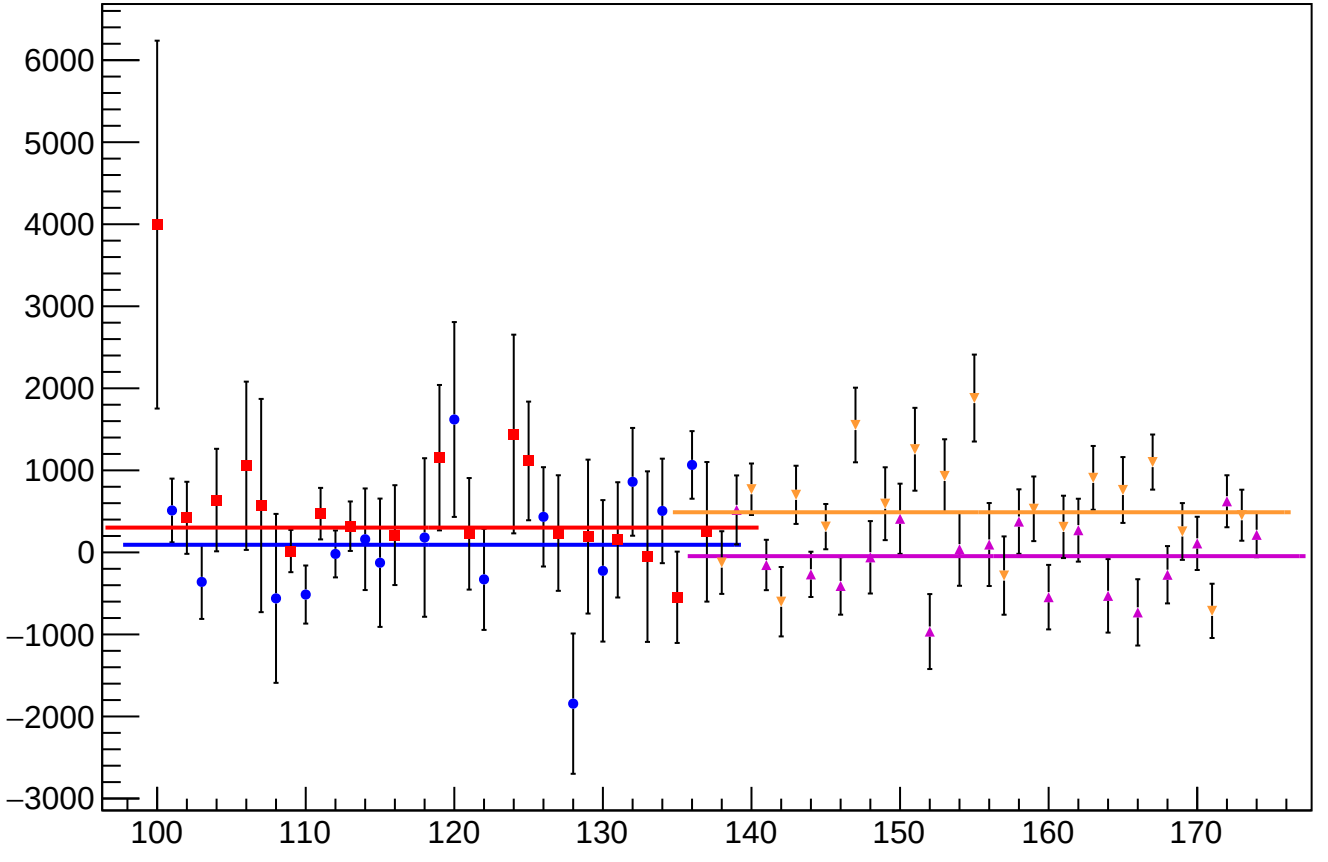
Left In: 321.130+/-0.060 χ^2/NDF:950430.5/17

+ sign 321.101+/-0.050 χ^2/NDF: 3202001.8/34

All: 316.989+/-0.035 χ^2/NDF: 6760988.1/71

- 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: 489.298+/-86.593 χ^2/NDF:48.0/18

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

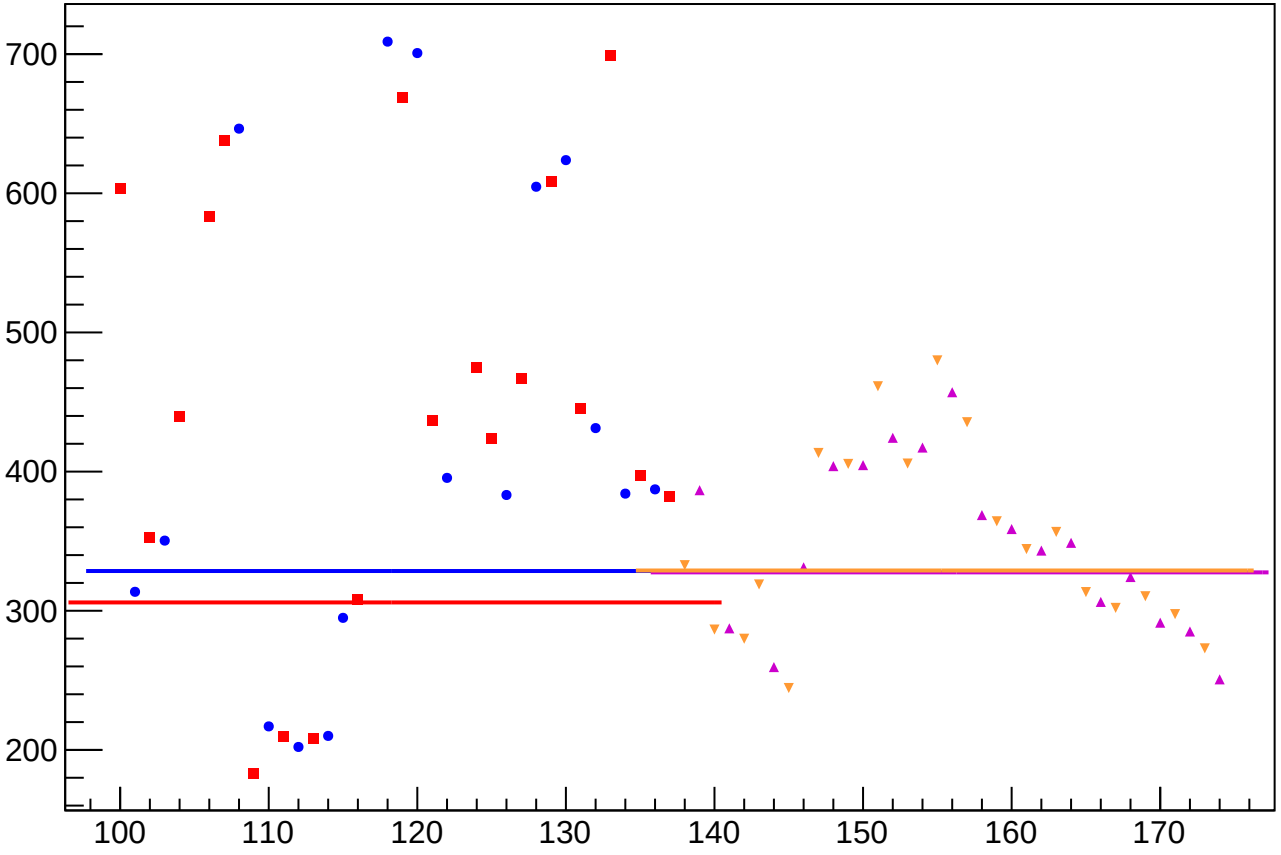
Left In: -45.812+/-86.440 χ^2/NDF:22.4/17

+ sign 369.914+/-72.392 χ^2/NDF: 75.1/34

All: 215.867+/-50.651 χ^2/NDF: 122.5/71

- 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: 328.941+/-0.061 χ^2/NDF:973501.6/18

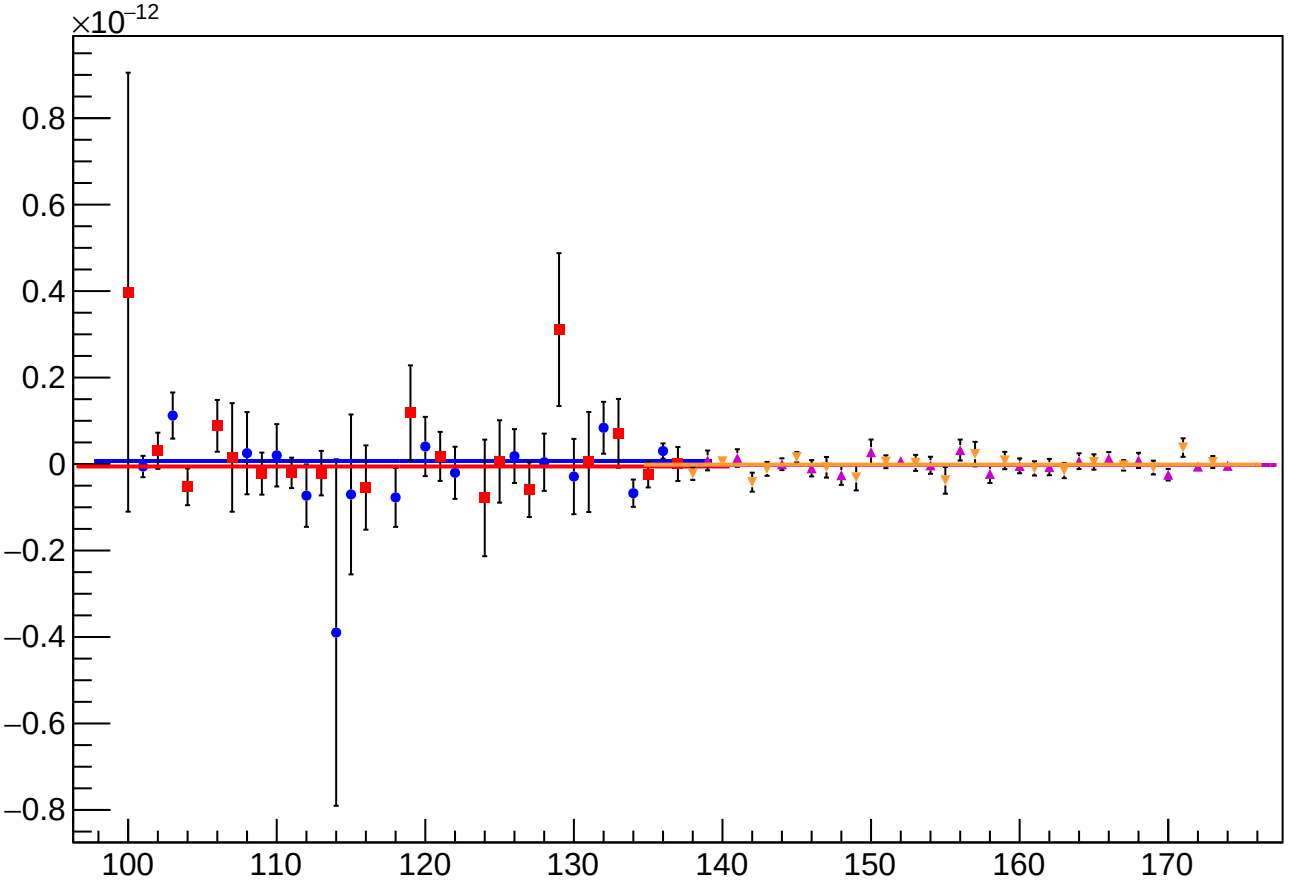
Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 327.587+/-0.061 χ^2/NDF:889799.3/17

+ sign 328.828+/-0.051 χ^2/NDF: 2932386.2/34

All: 324.586+/-0.036 χ^2/NDF: 6403978.3/71

- 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:16.8/18

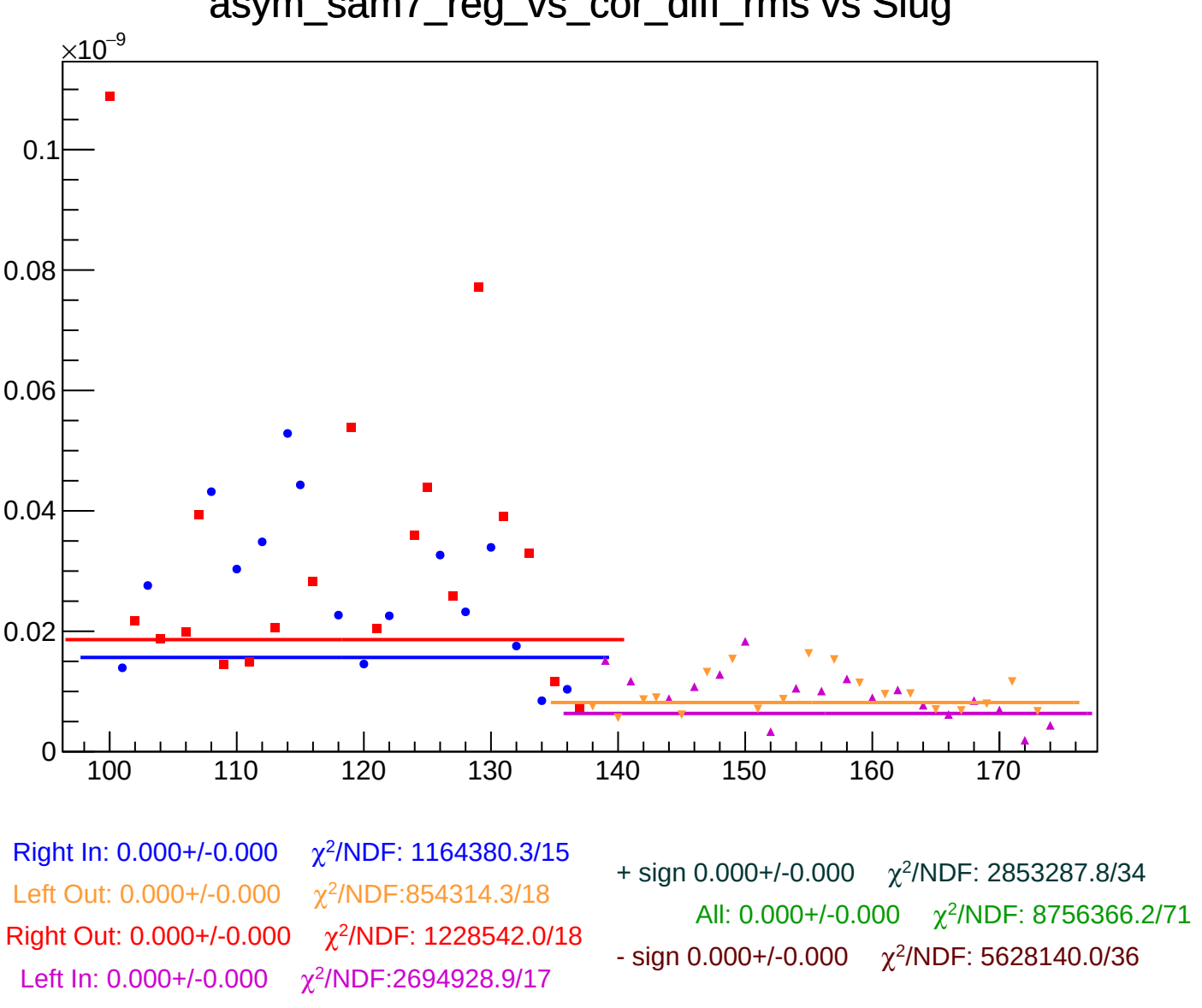
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:11.6/17

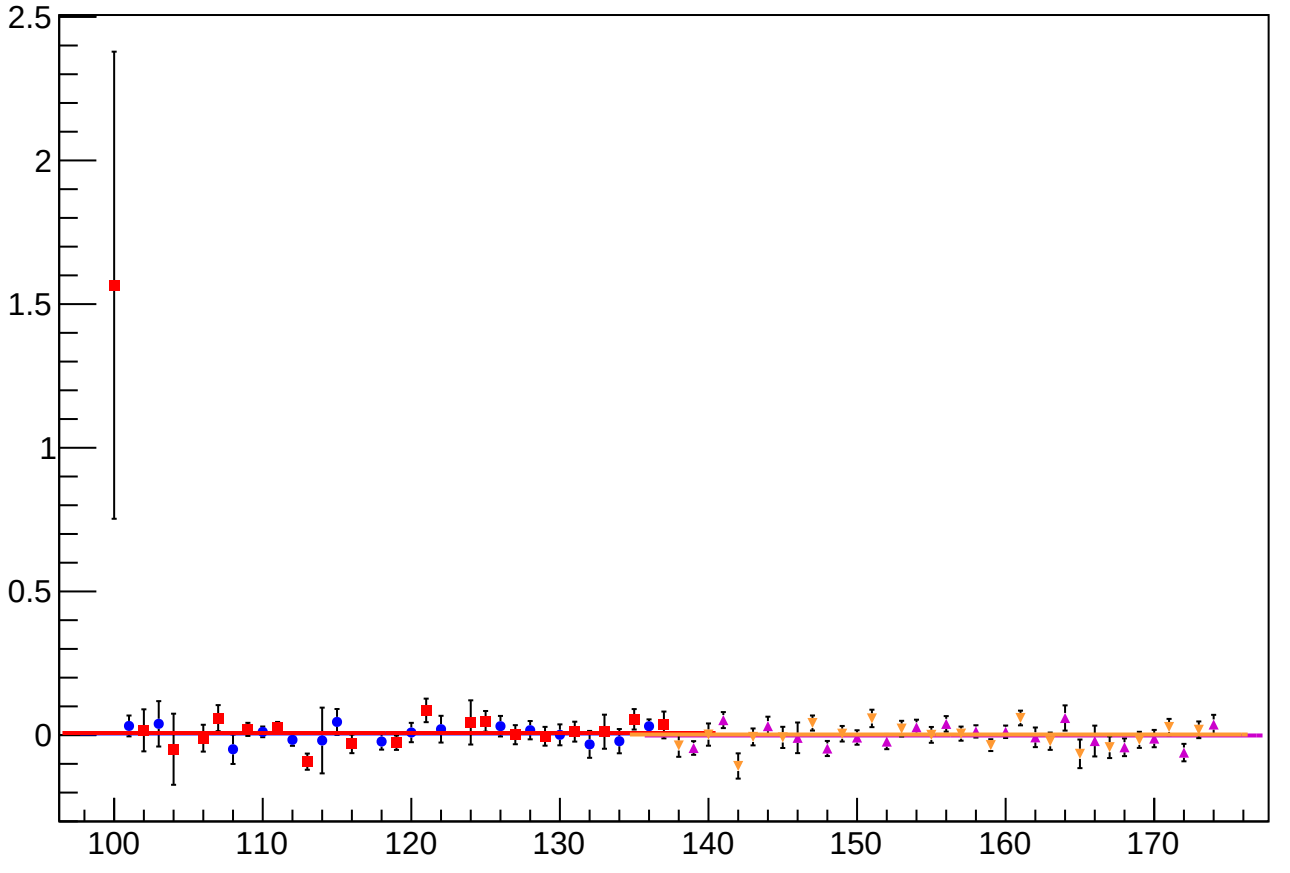
+ sign -0.000+/-0.000 χ^2/NDF: 35.0/34

All: -0.000+/-0.000 χ^2/NDF: 59.6/71

- 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:854314.3/18
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: 2853287.8/34
All: 0.000+/-0.000 χ²/NDF: 8756366.2/71
- 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:27.3/18

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

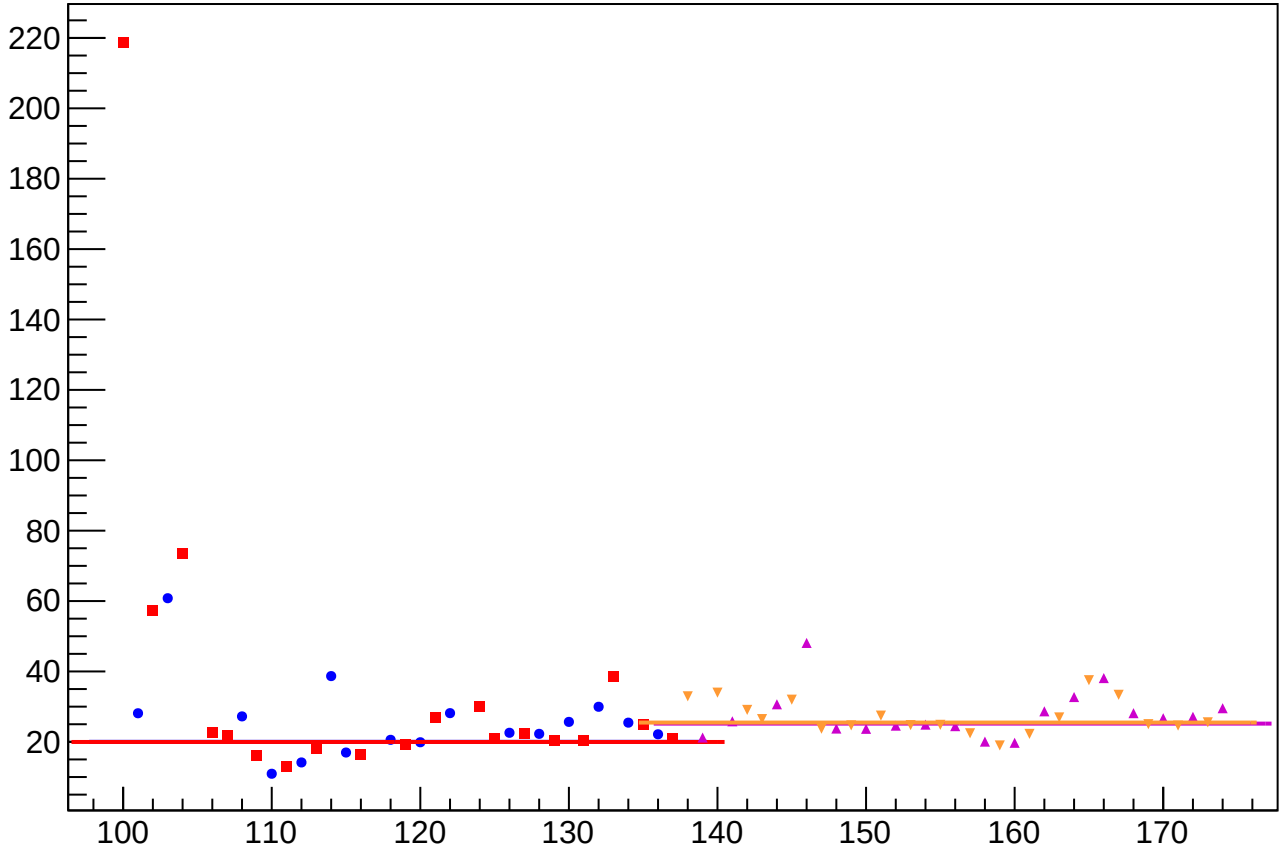
Left In: -0.001+/-0.007 χ^2/NDF:25.0/17

+ sign 0.004+/-0.005 χ^2/NDF: 35.3/34

All: 0.003+/-0.004 χ^2/NDF: 90.8/71

- 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: 25.478+/-0.005 χ^2/NDF:739904.2/18

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

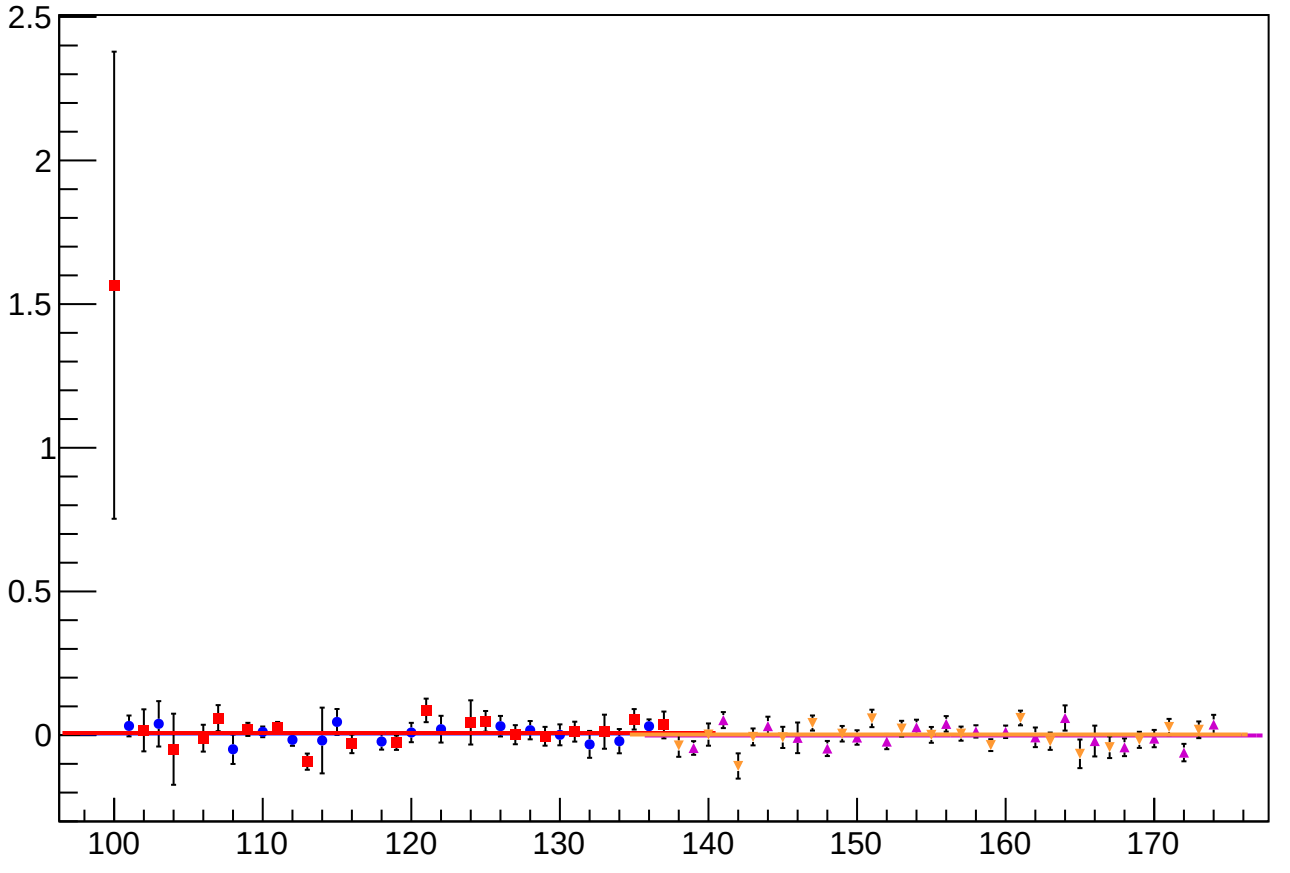
Left In: 25.178+/-0.005 χ^2/NDF:999041.8/17

+ sign 23.243+/-0.004 χ^2/NDF: 2913703.3/34

All: 23.133+/-0.003 χ^2/NDF: 6118708.3/71

- 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:27.3/18

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

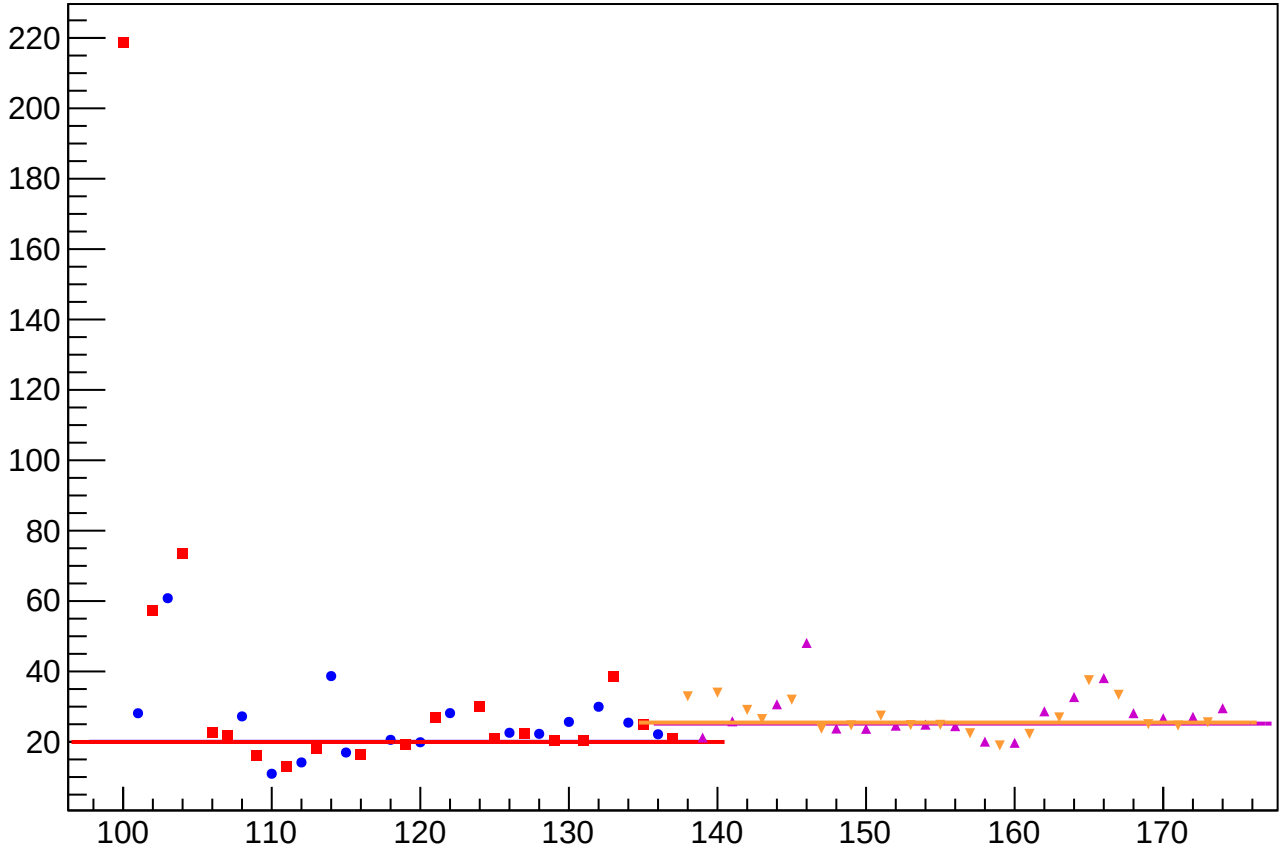
Left In: -0.001+/-0.007 χ^2/NDF:25.0/17

+ sign 0.004+/-0.005 χ^2/NDF: 35.3/34

All: 0.003+/-0.004 χ^2/NDF: 90.8/71

- 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: 25.478+/-0.005 χ^2/NDF:739904.2/18

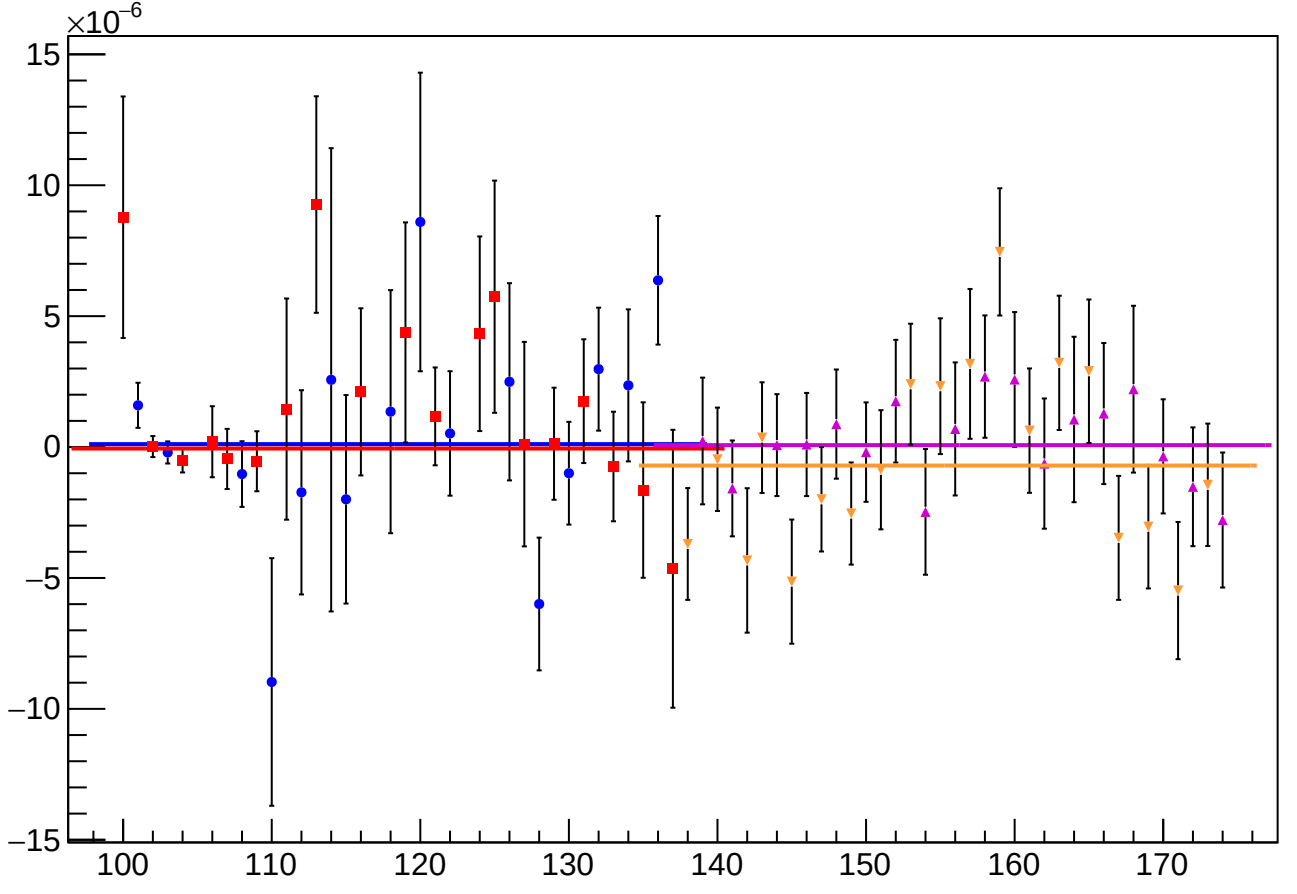
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.178+/-0.005 χ^2/NDF:999041.8/17

+ sign 23.243+/-0.004 χ^2/NDF: 2913703.3/34

All: 23.133+/-0.003 χ^2/NDF: 6118708.3/71

- 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:35.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

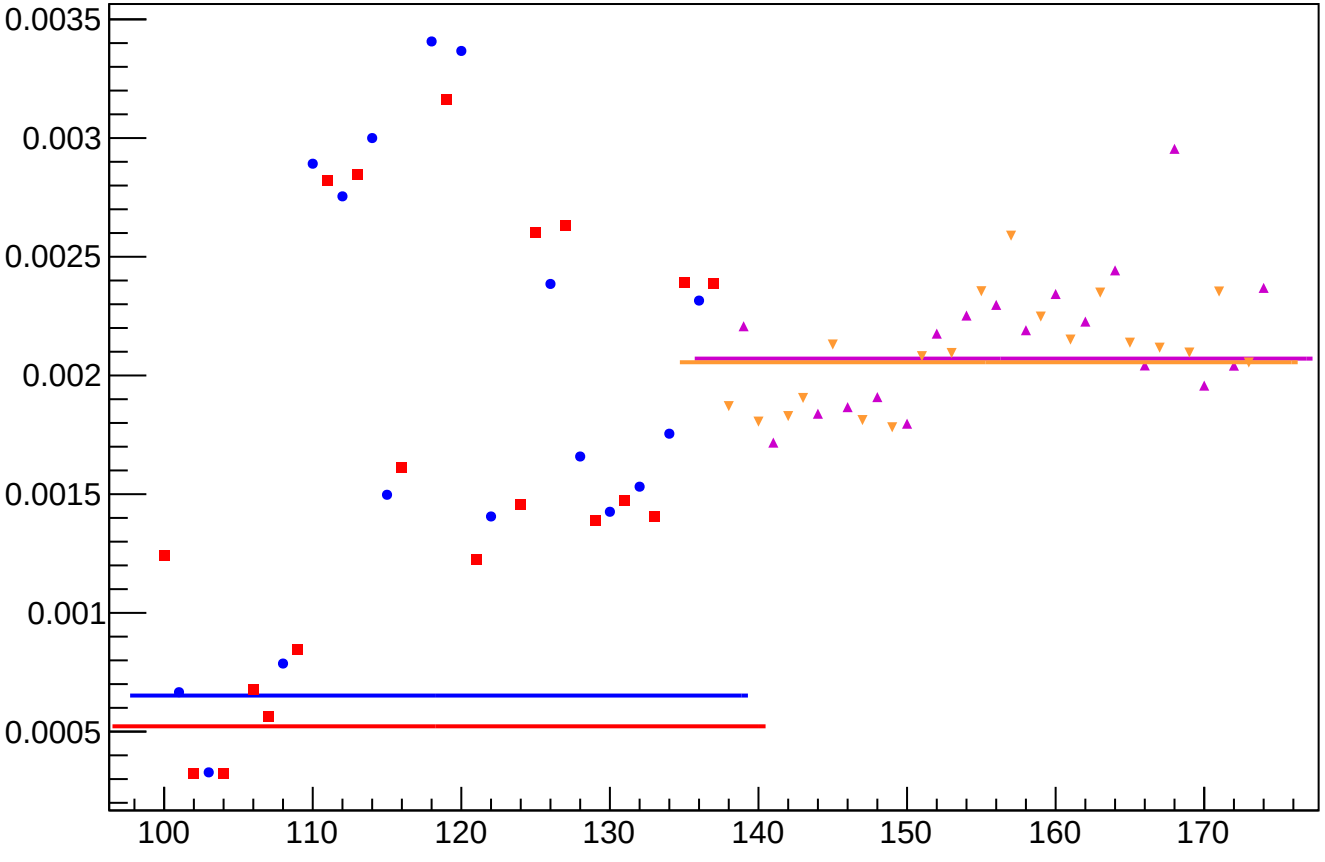
Left In: 0.000+/-0.000 χ^2/NDF:7.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 62.9/34

All: -0.000+/-0.000 χ^2/NDF: 87.6/71

- 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:310428.1/18

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

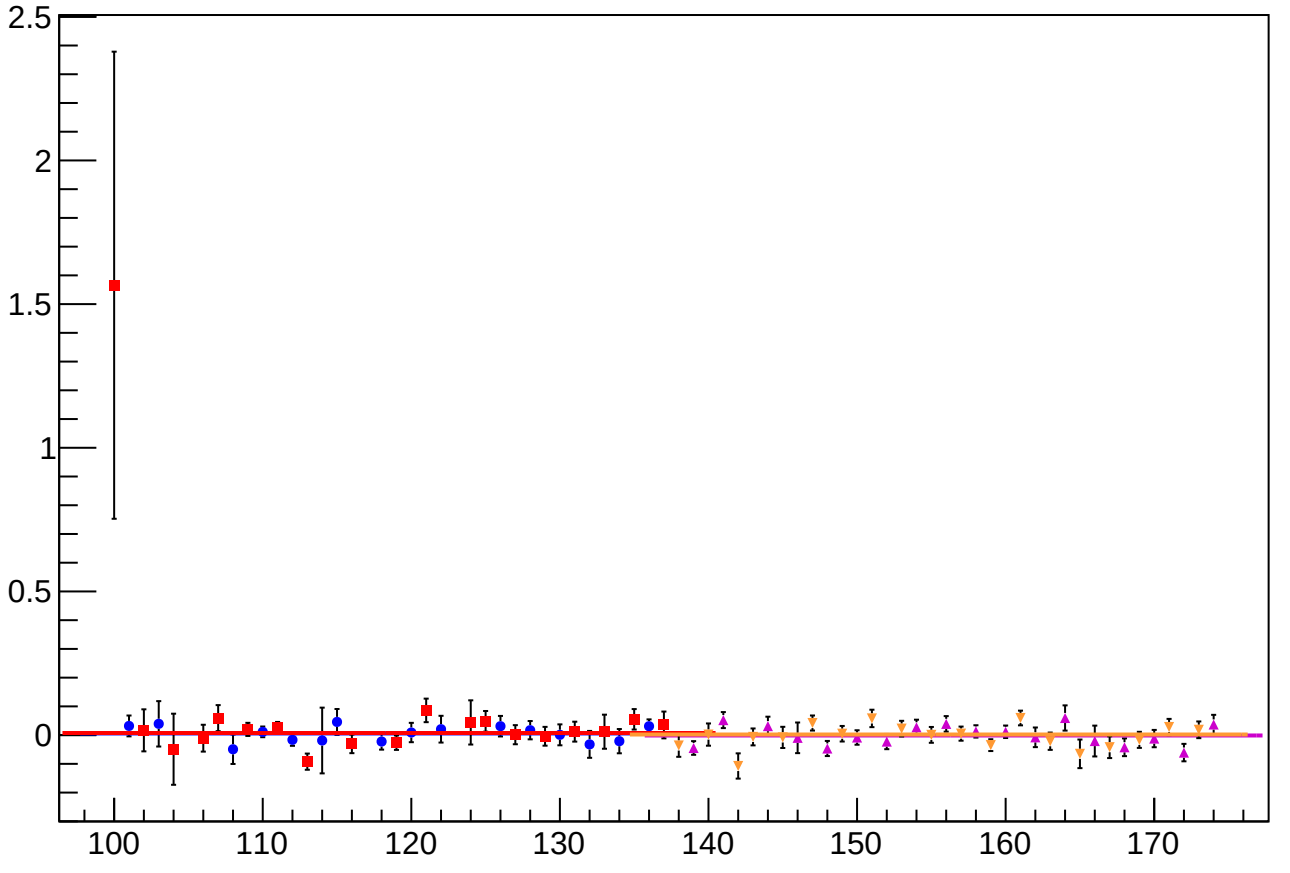
Left In: 0.002+/-0.000 χ^2/NDF:465791.0/17

+ sign 0.001+/-0.000 χ^2/NDF: 16585958.5/34

All: 0.001+/-0.000 χ^2/NDF: 37772949.6/71

- 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:27.3/18

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

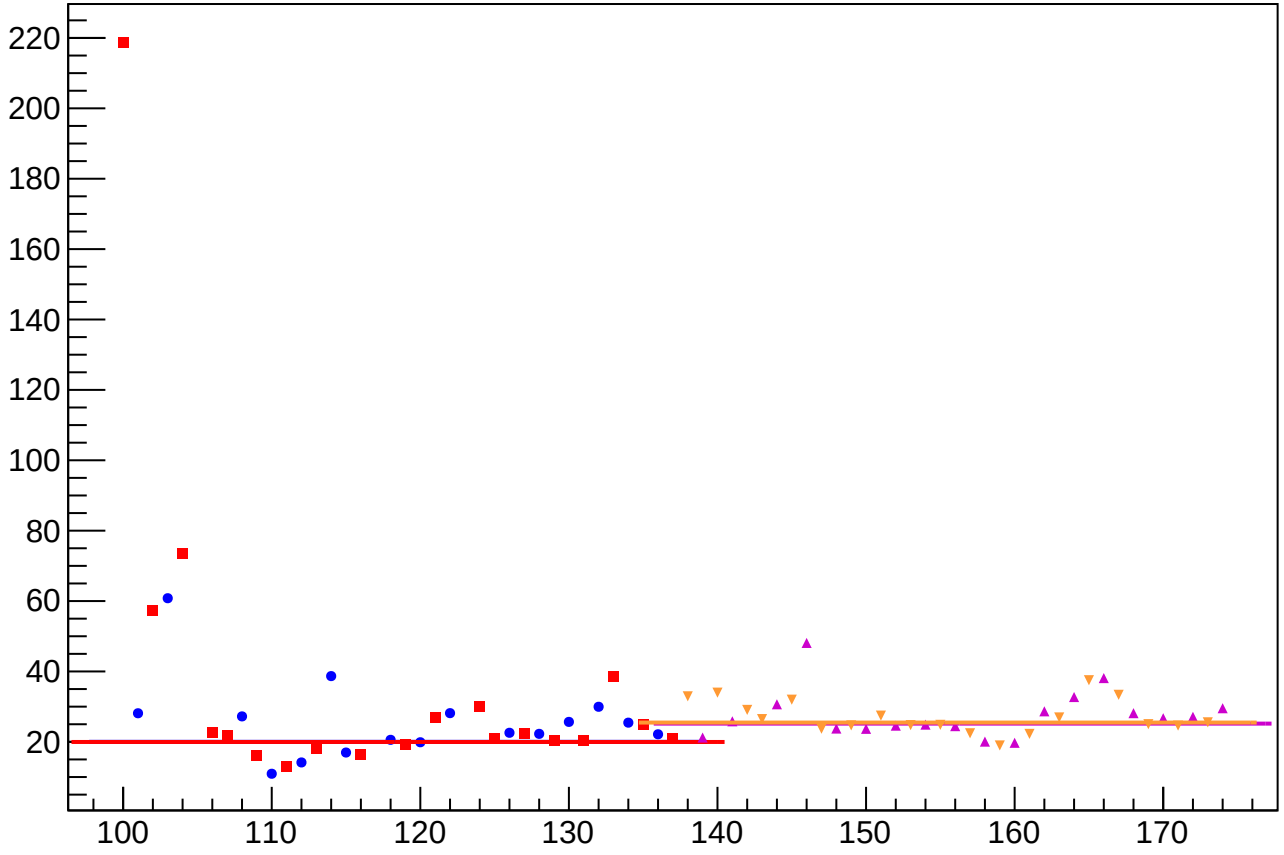
Left In: -0.001+/-0.007 χ^2/NDF:25.0/17

+ sign 0.004+/-0.005 χ^2/NDF: 35.3/34

All: 0.003+/-0.004 χ^2/NDF: 90.8/71

- 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: 25.478+/-0.005 χ^2/NDF:739946.7/18

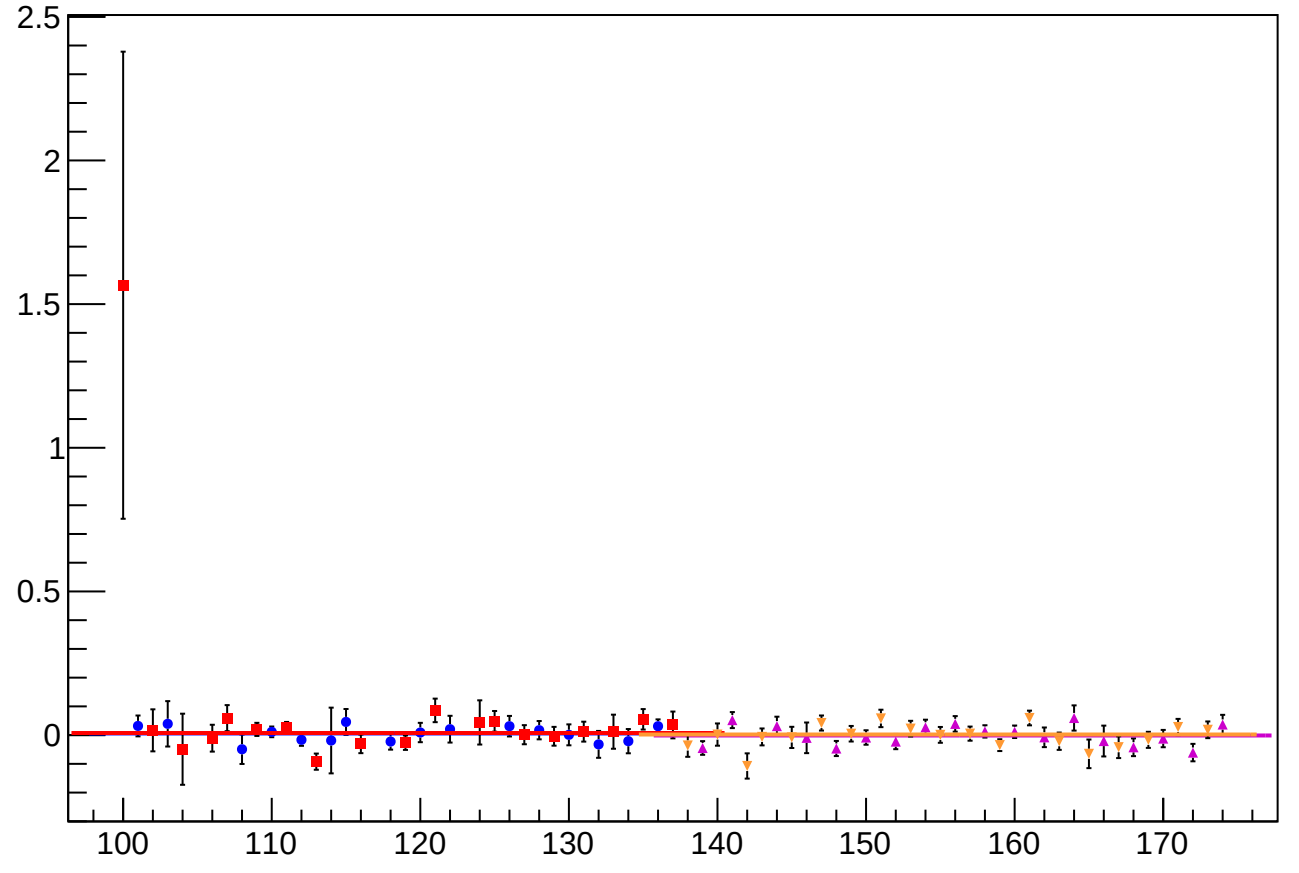
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.178+/-0.005 χ^2/NDF:999101.3/17

+ sign 23.243+/-0.004 χ^2/NDF: 2913468.9/34

All: 23.133+/-0.003 χ^2/NDF: 6118440.7/71

- 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:27.3/18

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

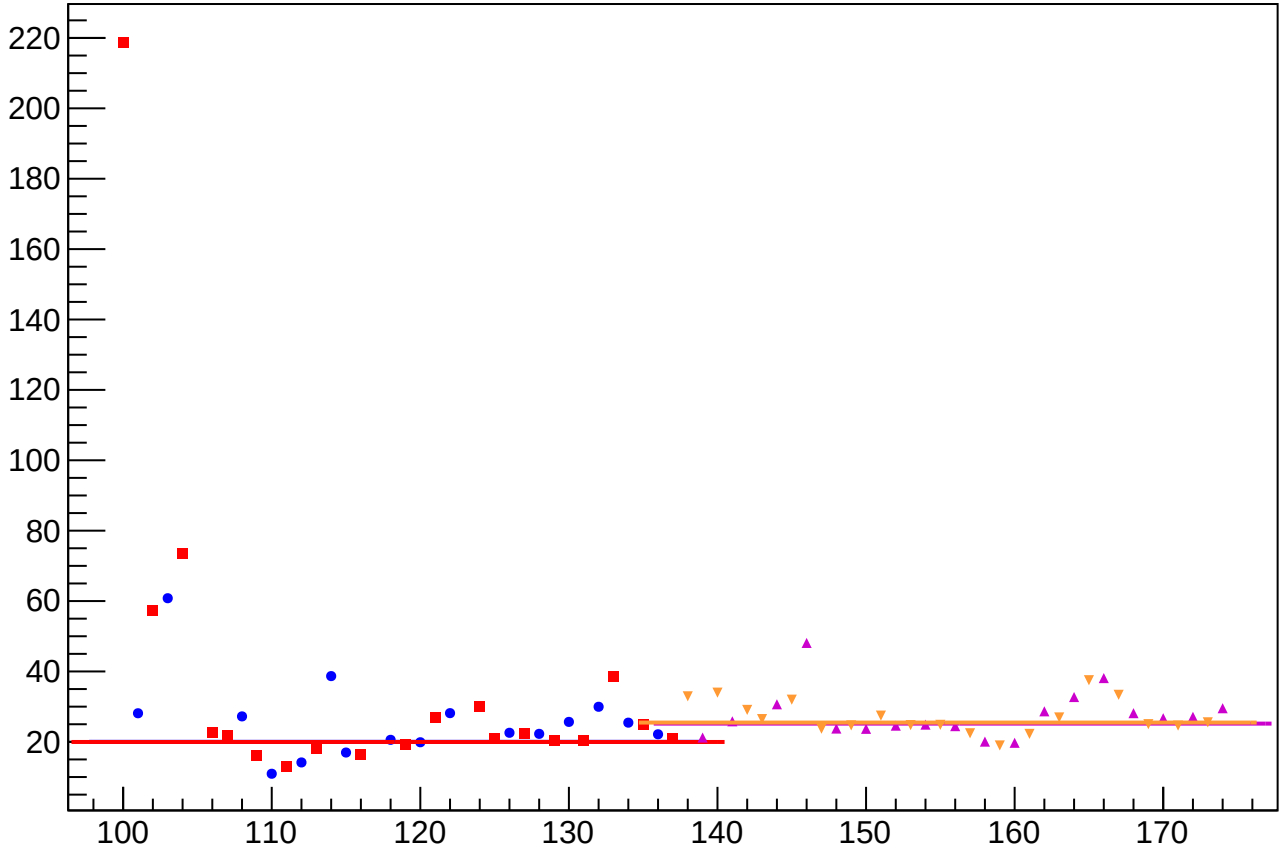
Left In: -0.001+/-0.007 χ^2/NDF:25.0/17

+ sign 0.004+/-0.005 χ^2/NDF: 35.3/34

All: 0.003+/-0.004 χ^2/NDF: 90.8/71

- 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: 25.478+/-0.005 χ^2/NDF:739946.7/18

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

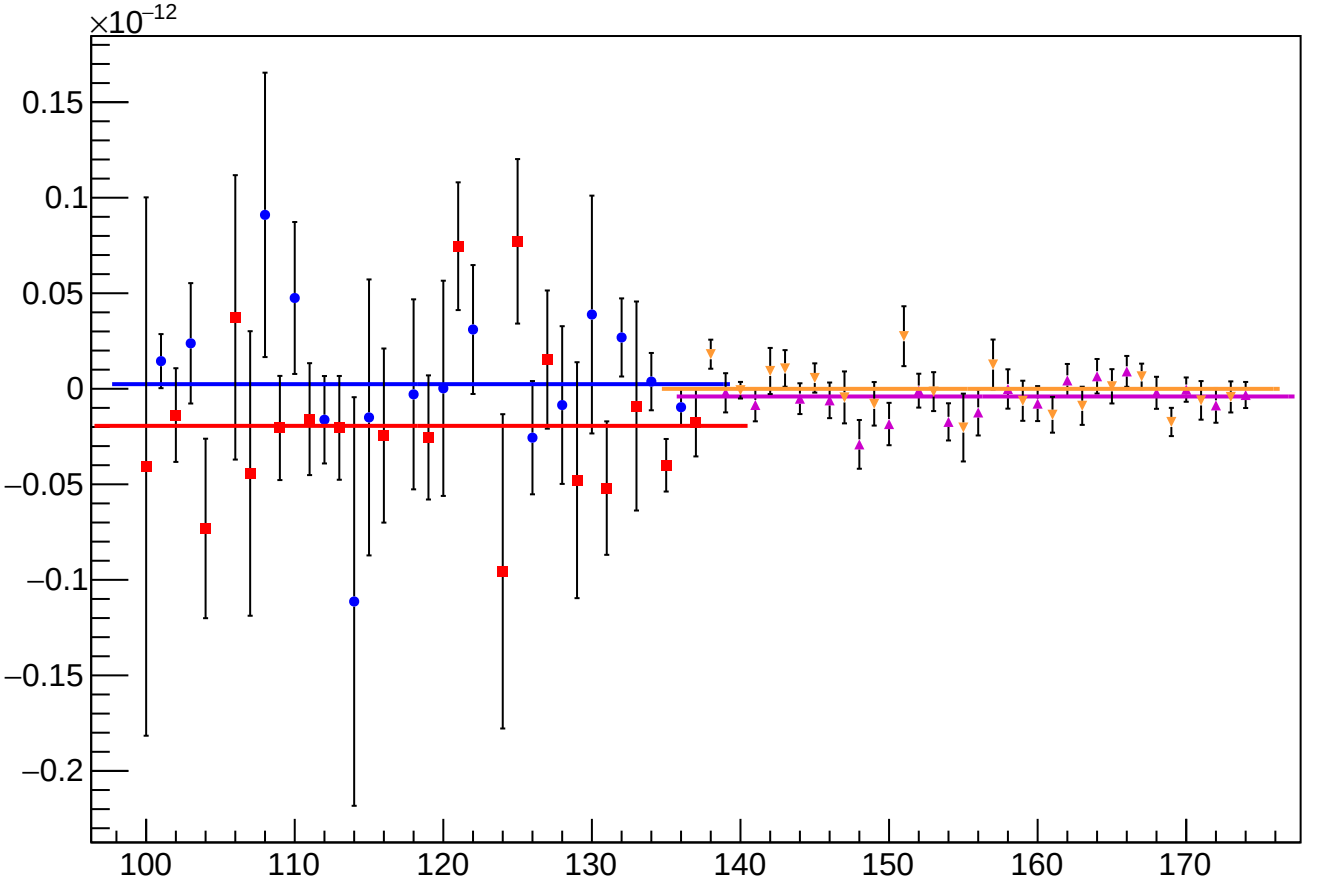
Left In: 25.178+/-0.005 χ^2/NDF:999101.3/17

+ sign 23.243+/-0.004 χ^2/NDF: 2913468.9/34

All: 23.133+/-0.003 χ^2/NDF: 6118440.7/71

- 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:24.4/18

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

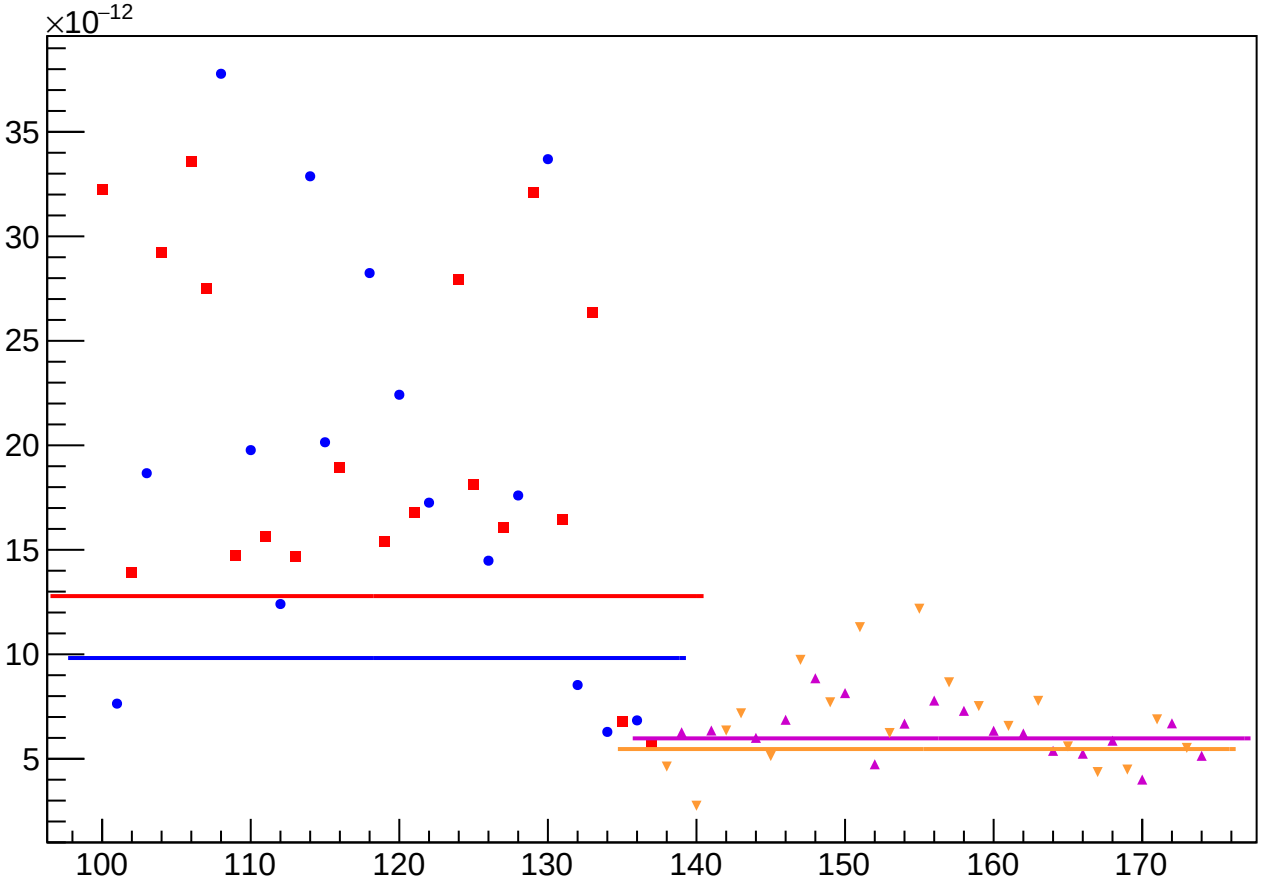
Left In: -0.000+/-0.000 χ^2/NDF:14.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 35.4/34

All: -0.000+/-0.000 χ^2/NDF: 78.3/71

- sign -0.000+/-0.000 χ^2/NDF: 38.9/36

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2191361.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

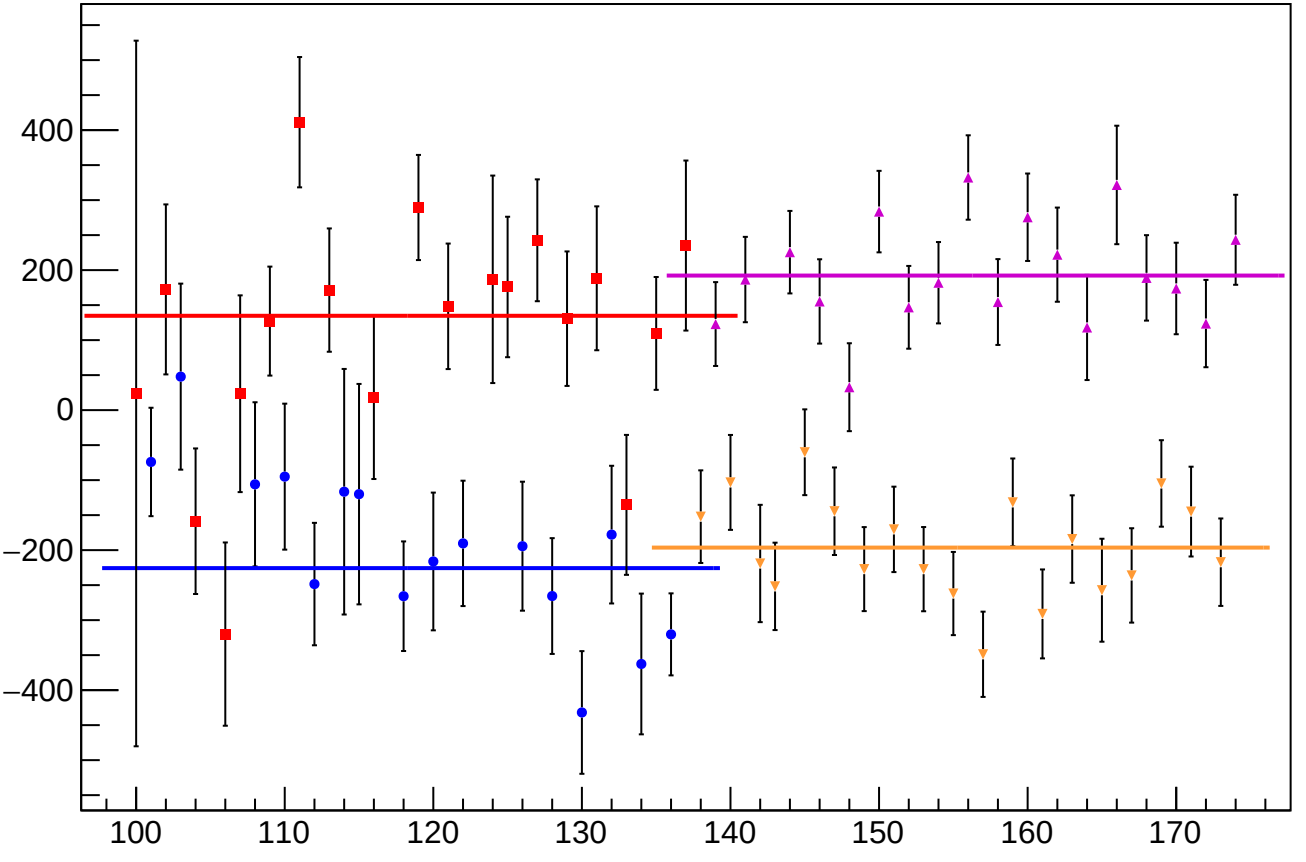
Left In: 0.000+/-0.000 χ^2/NDF:593870.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 5203818.8/34

All: 0.000+/-0.000 χ^2/NDF: 9397244.6/71

- 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: -196.374+/-14.636 χ^2/NDF:24.3/18

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

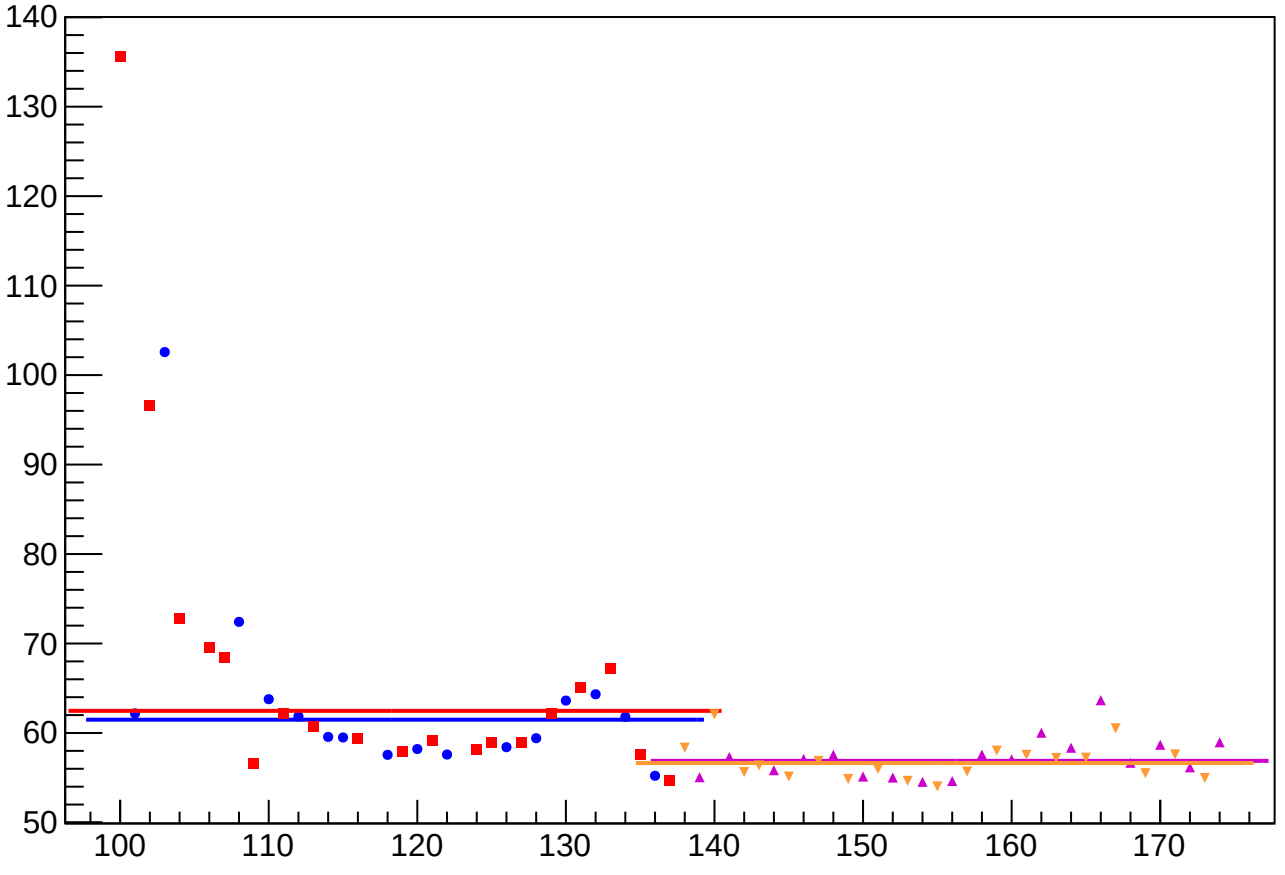
Left In: 192.221+/-14.777 χ^2/NDF:24.6/17

\+ sign -204.763+/-12.366 χ^2/NDF: 48.1/34

All: -16.039+/-8.778 χ^2/NDF: 591.7/71

\- 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: 56.641+/-0.010 χ^2/NDF:35228.6/18

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

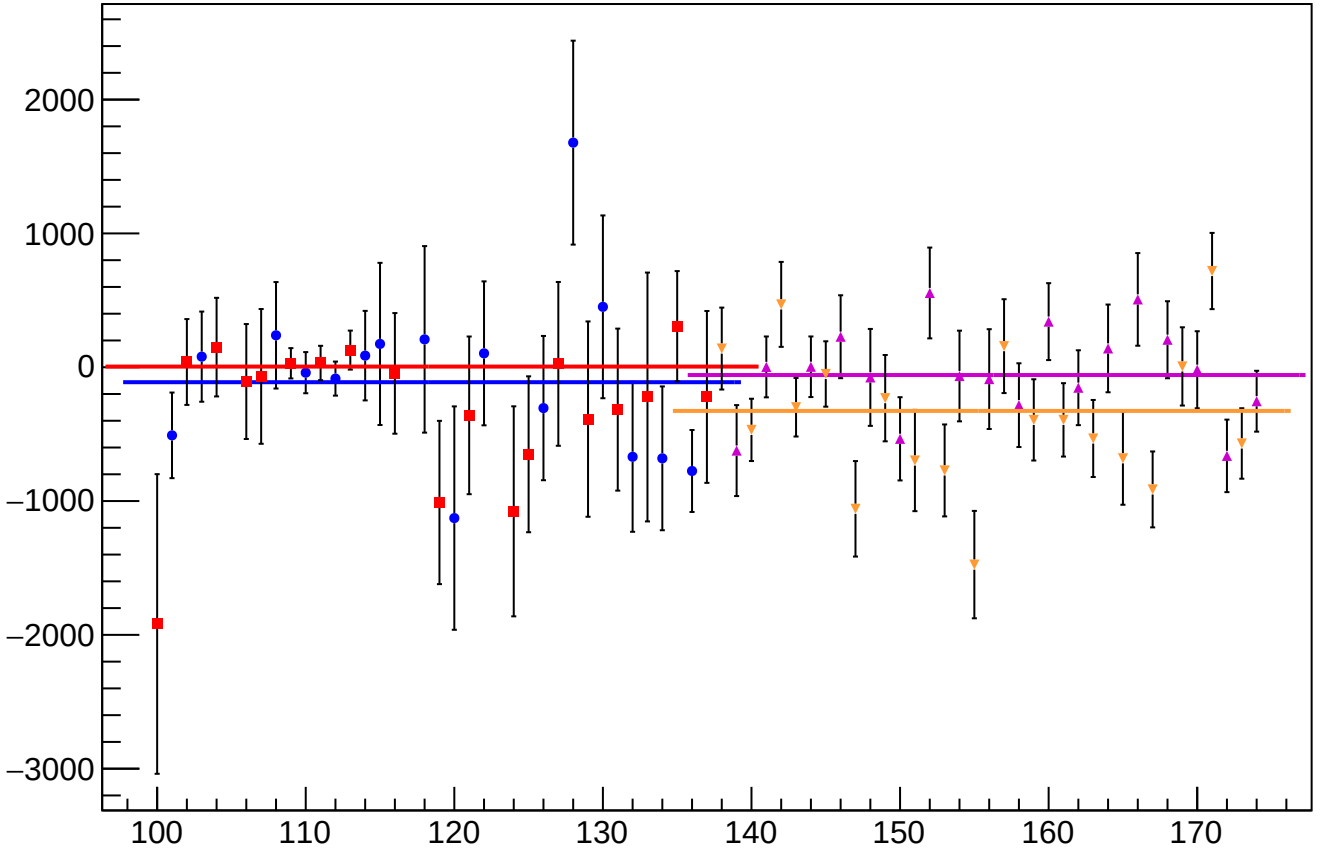
Left In: 56.883+/-0.010 χ^2/NDF:34820.5/17

+ sign 58.027+/-0.009 χ^2/NDF: 348607.2/34

All: 58.261+/-0.006 χ^2/NDF: 748747.9/71

- 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: -326.395+/-67.520 χ^2/NDF:48.9/18

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

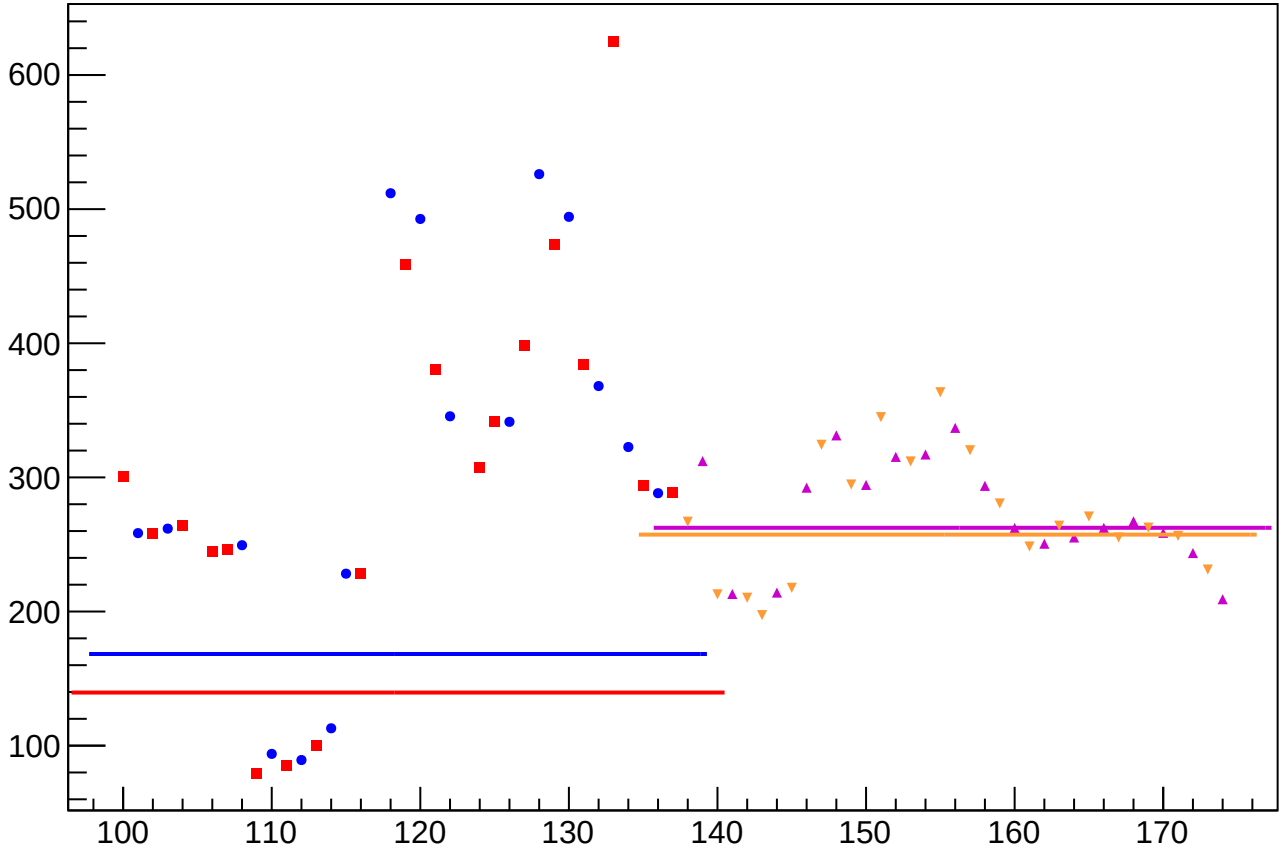
Left In: -58.321+/-68.956 χ^2/NDF:21.6/17

+ sign -232.065+/-50.539 χ^2/NDF: 71.7/34

All: -120.410+/-34.371 χ^2/NDF: 114.5/71

- 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: 257.341+/-0.048 χ^2/NDF:819743.7/18

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

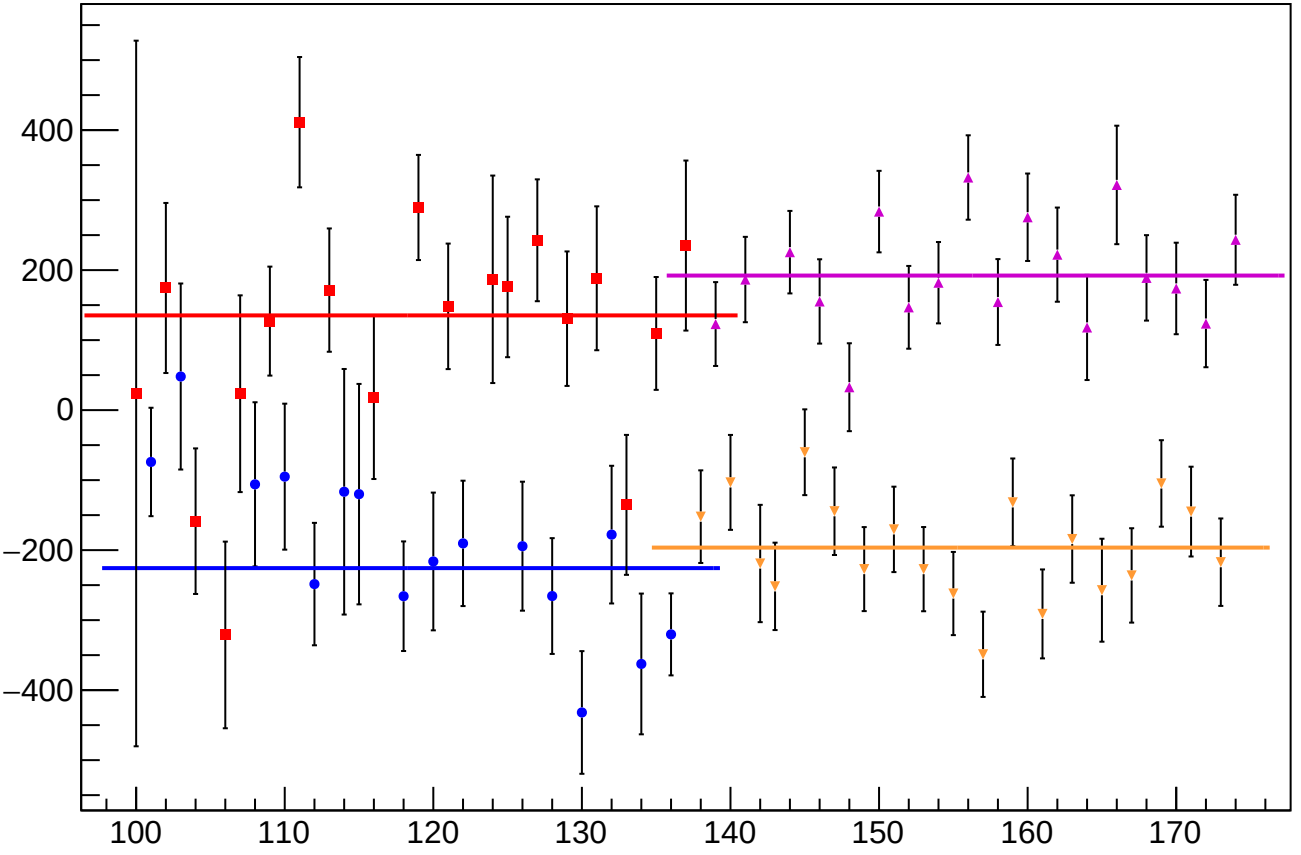
Left In: 262.427+/-0.049 χ^2/NDF:665383.3/17

+ sign 218.198+/-0.036 χ^2/NDF: 6892242.2/34

All: 206.468+/-0.024 χ^2/NDF: 16324983.5/71

- sign 196.374+/-0.033 χ^2/NDF: 9232285.9/36

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -196.372+/-14.636 χ^2/NDF:24.3/18

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

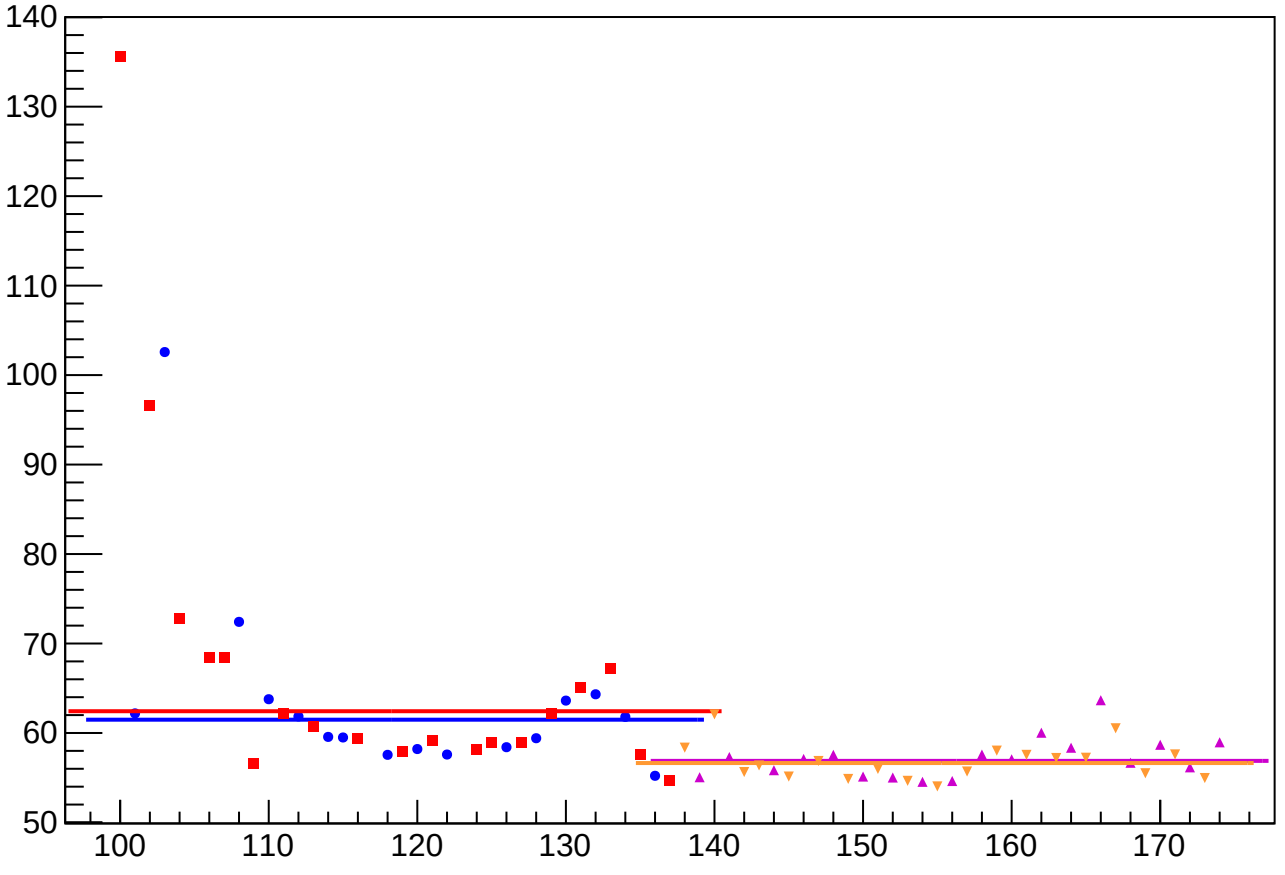
Left In: 192.223+/-14.777 χ^2/NDF:24.6/17

\+ sign -204.761+/-12.366 χ^2/NDF: 48.1/34

All: -15.984+/-8.779 χ^2/NDF: 591.6/71

\- 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: 56.641+/-0.010 χ^2/NDF:35228.6/18

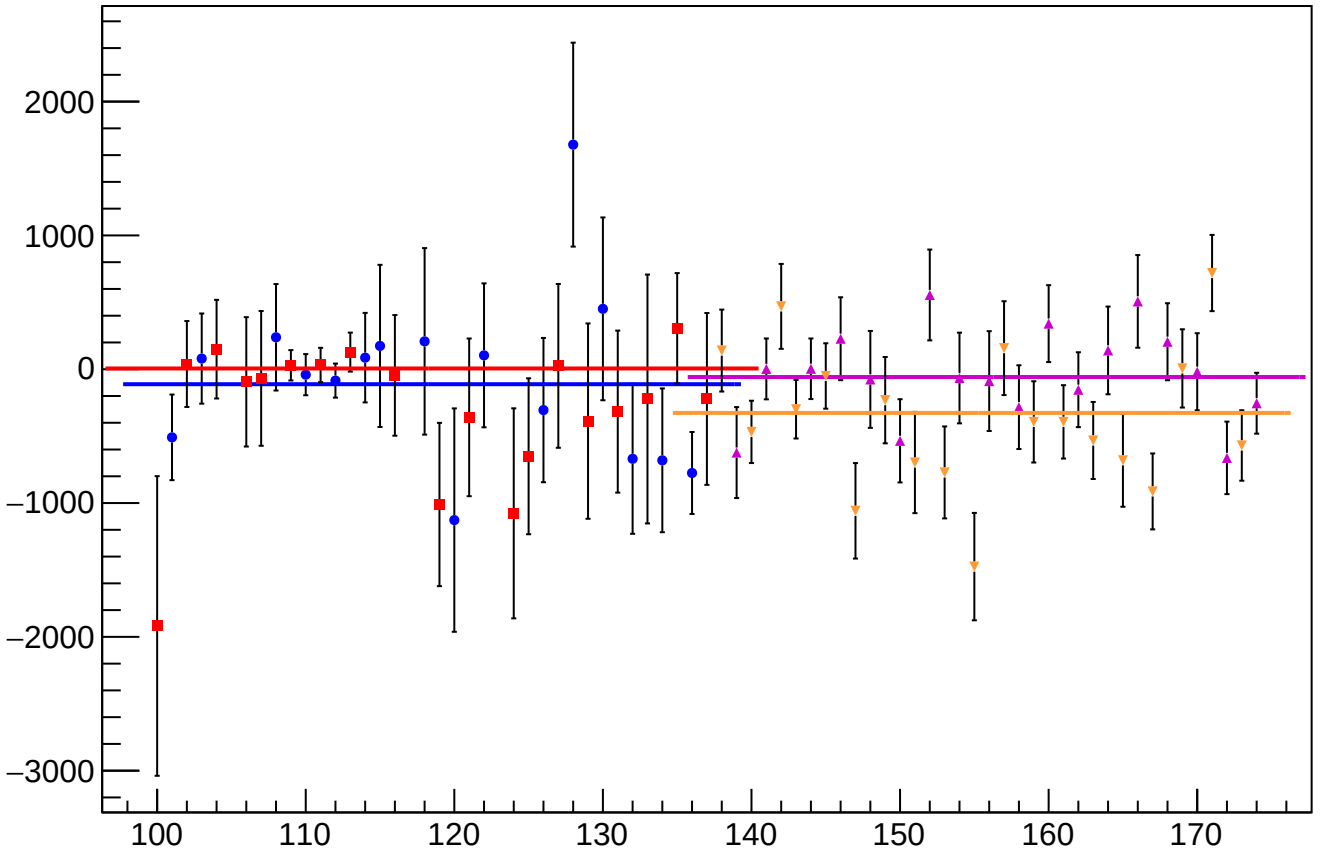
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.883+/-0.010 χ^2/NDF:34820.5/17

+ sign 58.027+/-0.009 χ^2/NDF: 348609.8/34

All: 58.254+/-0.006 χ^2/NDF: 745591.5/71

- 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: -326.392+/-67.520 χ^2/NDF:48.9/18

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

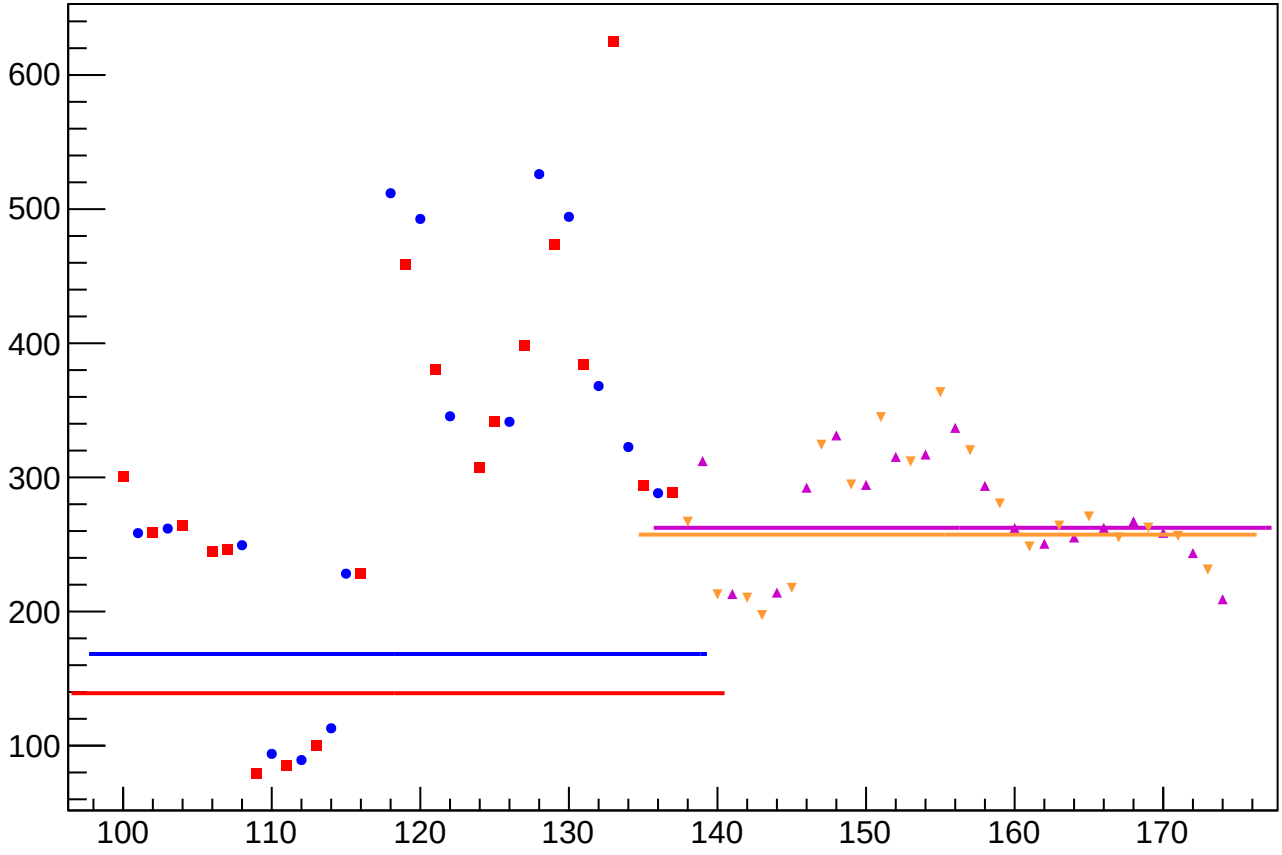
Left In: -58.317+/-68.956 χ^2/NDF:21.6/17

+ sign -232.056+/-50.539 χ^2/NDF: 71.8/34

All: -120.369+/-34.395 χ^2/NDF: 114.5/71

- 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: 257.340+/-0.048 χ^2/NDF:819747.9/18

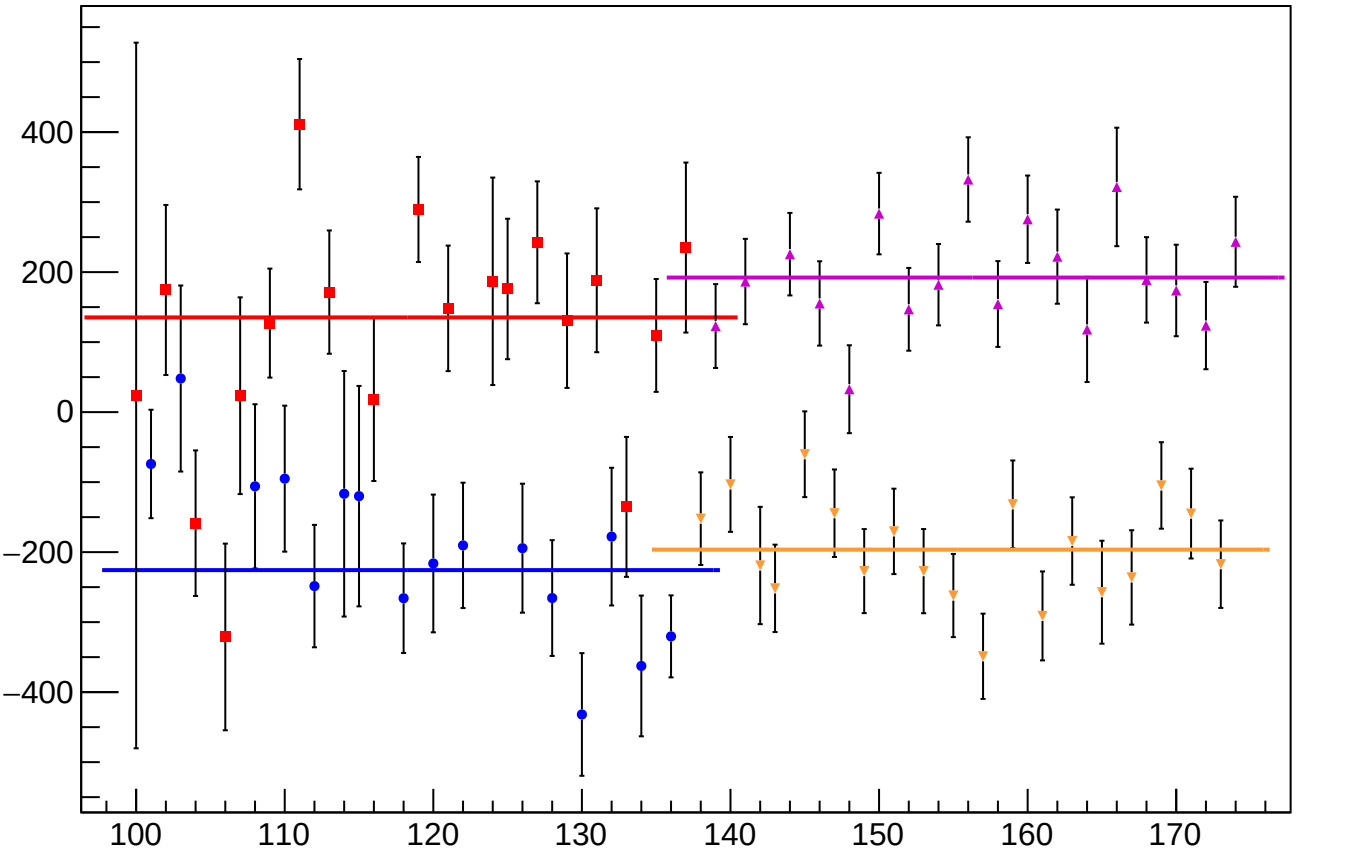
Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.427+/-0.049 χ^2/NDF:665381.5/17

+ sign 218.199+/-0.036 χ^2/NDF: 6892277.0/34

All: 206.419+/-0.024 χ^2/NDF: 16322448.0/71

- 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: -196.372+/-14.636 χ^2/NDF:24.3/18

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

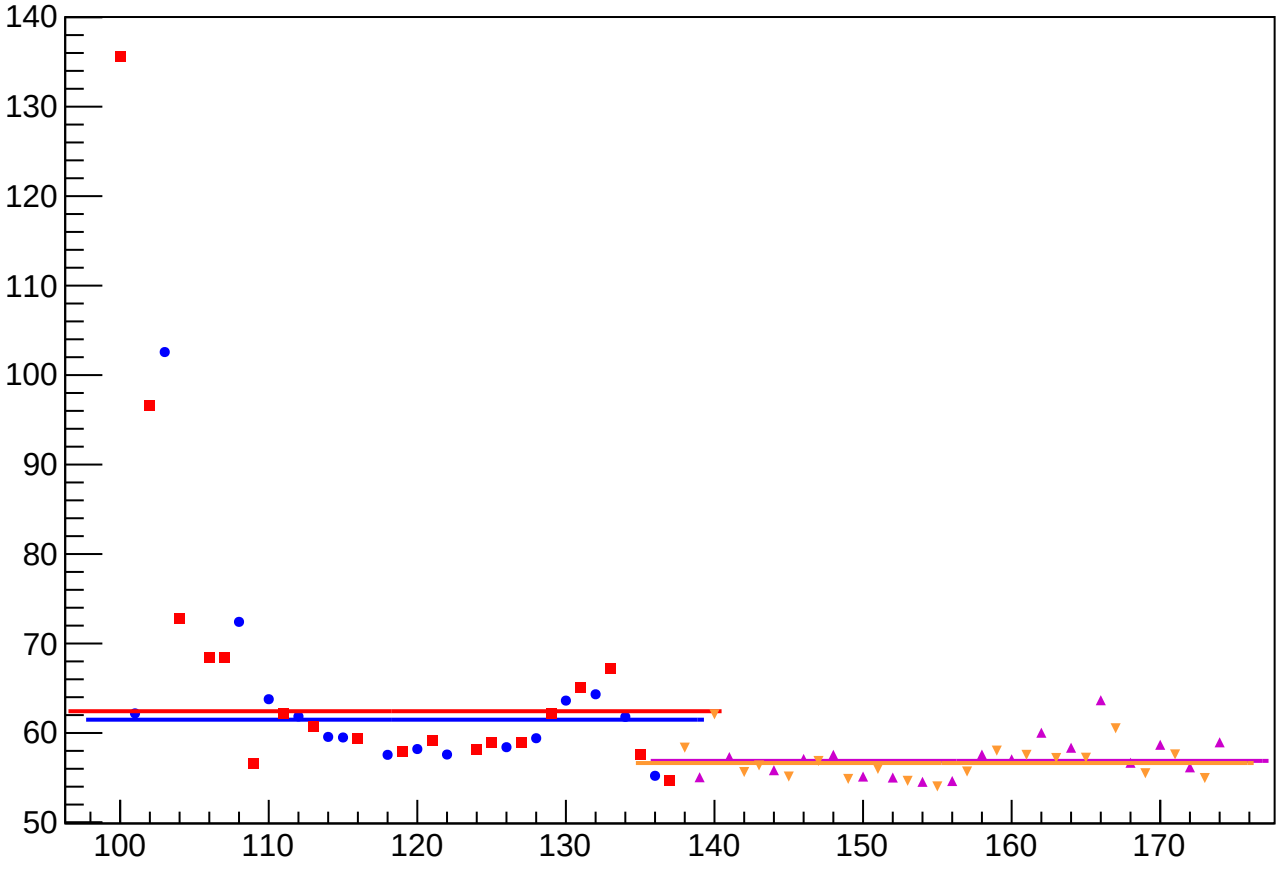
Left In: 192.223+/-14.777 χ^2/NDF:24.6/17

+ sign -204.761+/-12.366 χ^2/NDF: 48.1/34

All: -15.984+/-8.779 χ^2/NDF: 591.6/71

- 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: 56.641+/-0.010 χ^2/NDF:35228.6/18

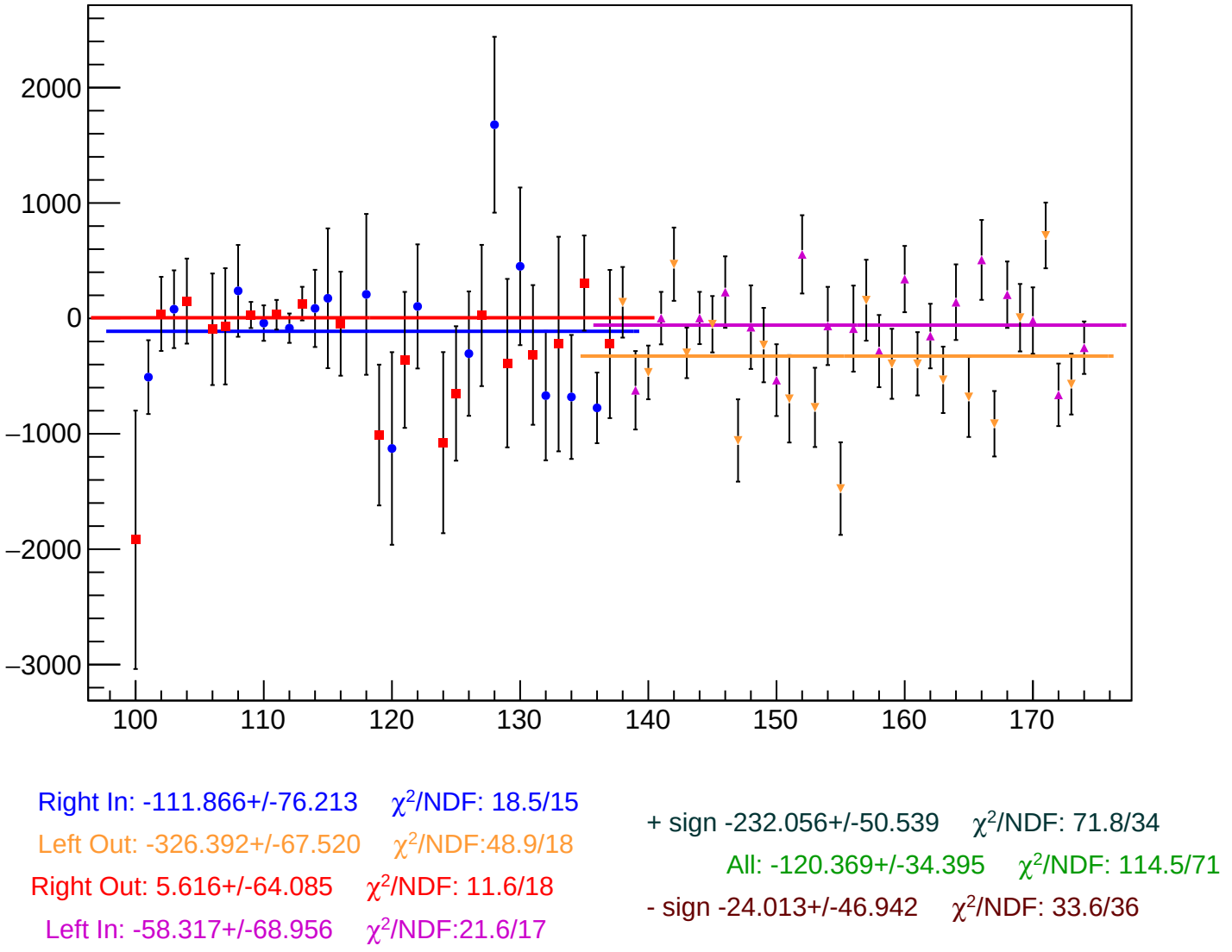
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.883+/-0.010 χ^2/NDF:34820.5/17

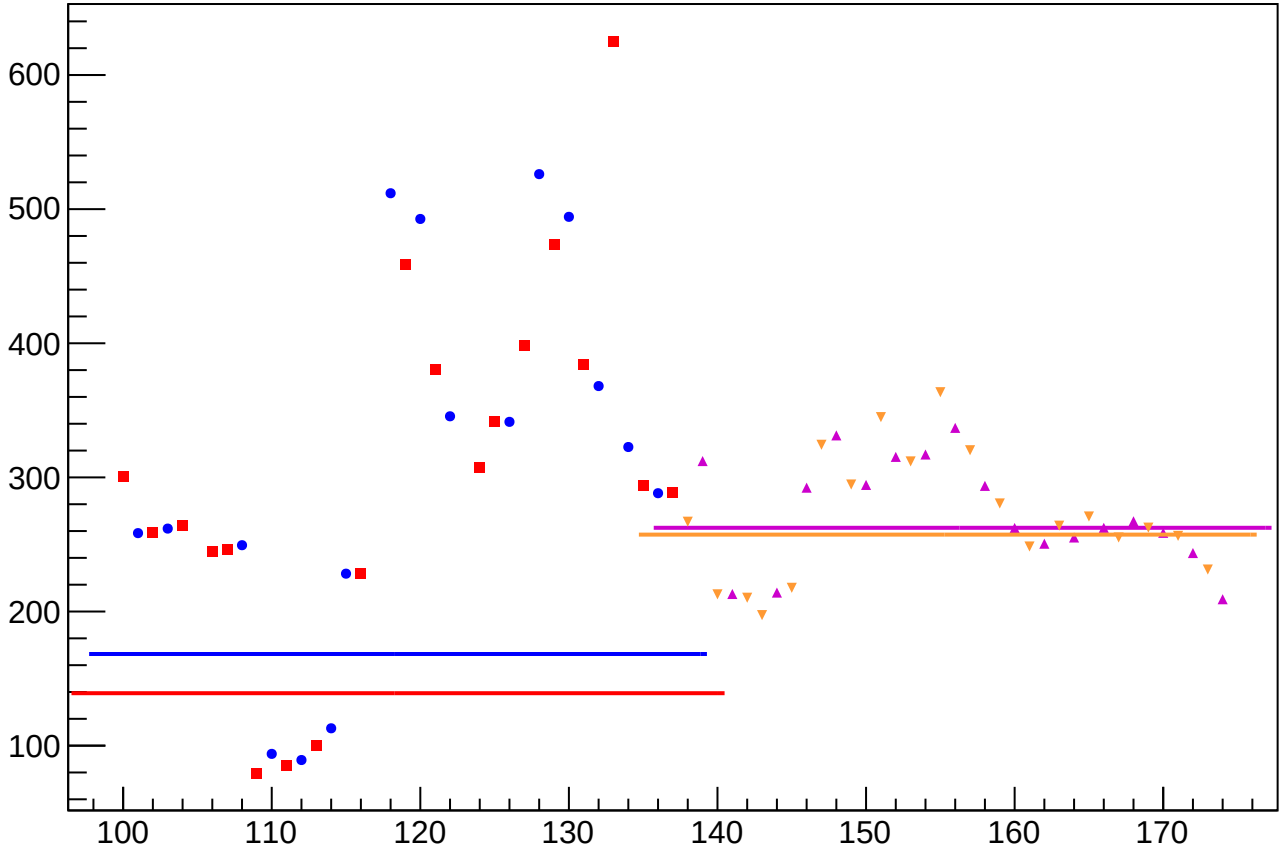
+ sign 58.027+/-0.009 χ^2/NDF: 348609.8/34

All: 58.254+/-0.006 χ^2/NDF: 745591.5/71

- sign 58.484+/-0.009 χ^2/NDF: 395627.9/36


asym_sam8_eigen_cor_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: -111.866+/-76.213 χ²/NDF: 18.5/15
Left Out: -326.392+/-67.520 χ²/NDF:48.9/18
Right Out: 5.616+/-64.085 χ²/NDF: 11.6/18
Left In: -58.317+/-68.956 χ²/NDF:21.6/17
+ sign -232.056+/-50.539 χ²/NDF: 71.8/34
All: -120.369+/-34.395 χ²/NDF: 114.5/71
- sign -24.013+/-46.942 χ²/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: 257.340+/-0.048 χ^2/NDF:819747.9/18

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

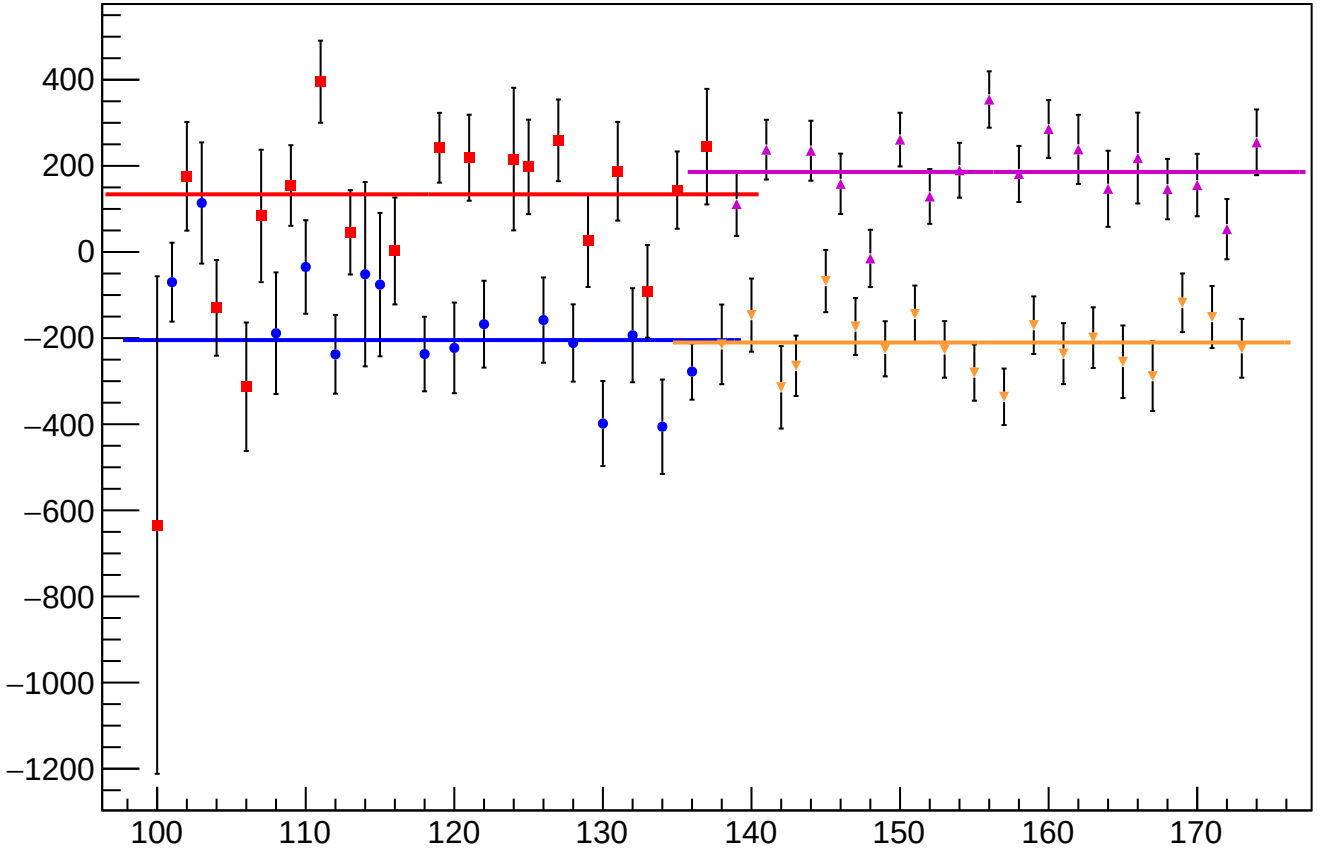
Left In: 262.427+/-0.049 χ^2/NDF:665381.5/17

+ sign 218.199+/-0.036 χ^2/NDF: 6892277.0/34

All: 206.419+/-0.024 χ^2/NDF: 16322448.0/71

- sign 196.257+/-0.033 χ^2/NDF: 9227793.6/36

dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -210.140+/-16.436 χ^2/NDF:16.8/18

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

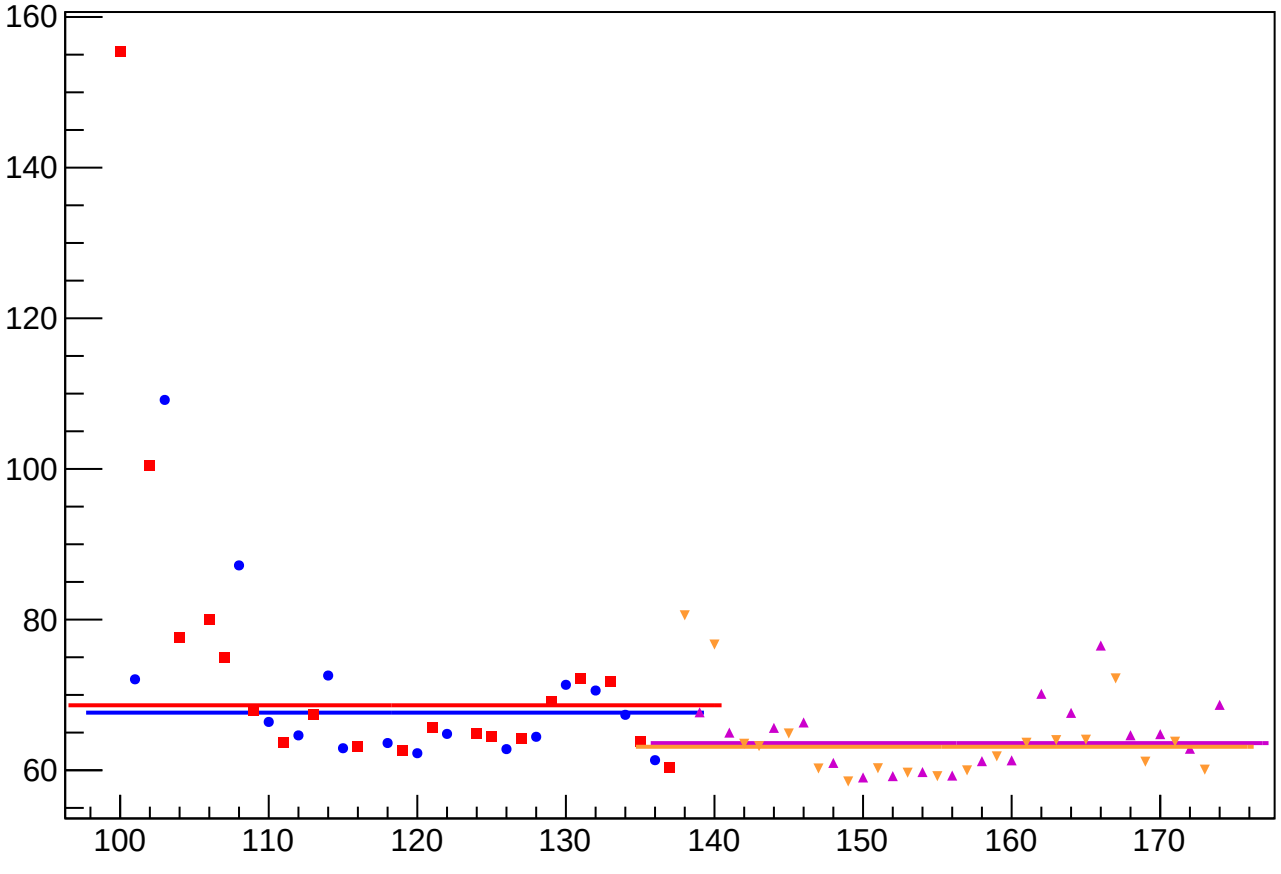
Left In: 185.849+/-16.644 χ^2/NDF:28.0/17

+ sign -208.510+/-13.819 χ^2/NDF: 36.8/34

All: -20.682+/-9.812 χ^2/NDF: 477.6/71

- sign 170.322+/-13.935 χ^2/NDF: 68.2/36

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 63.116+/-0.012 χ^2/NDF:190881.6/18

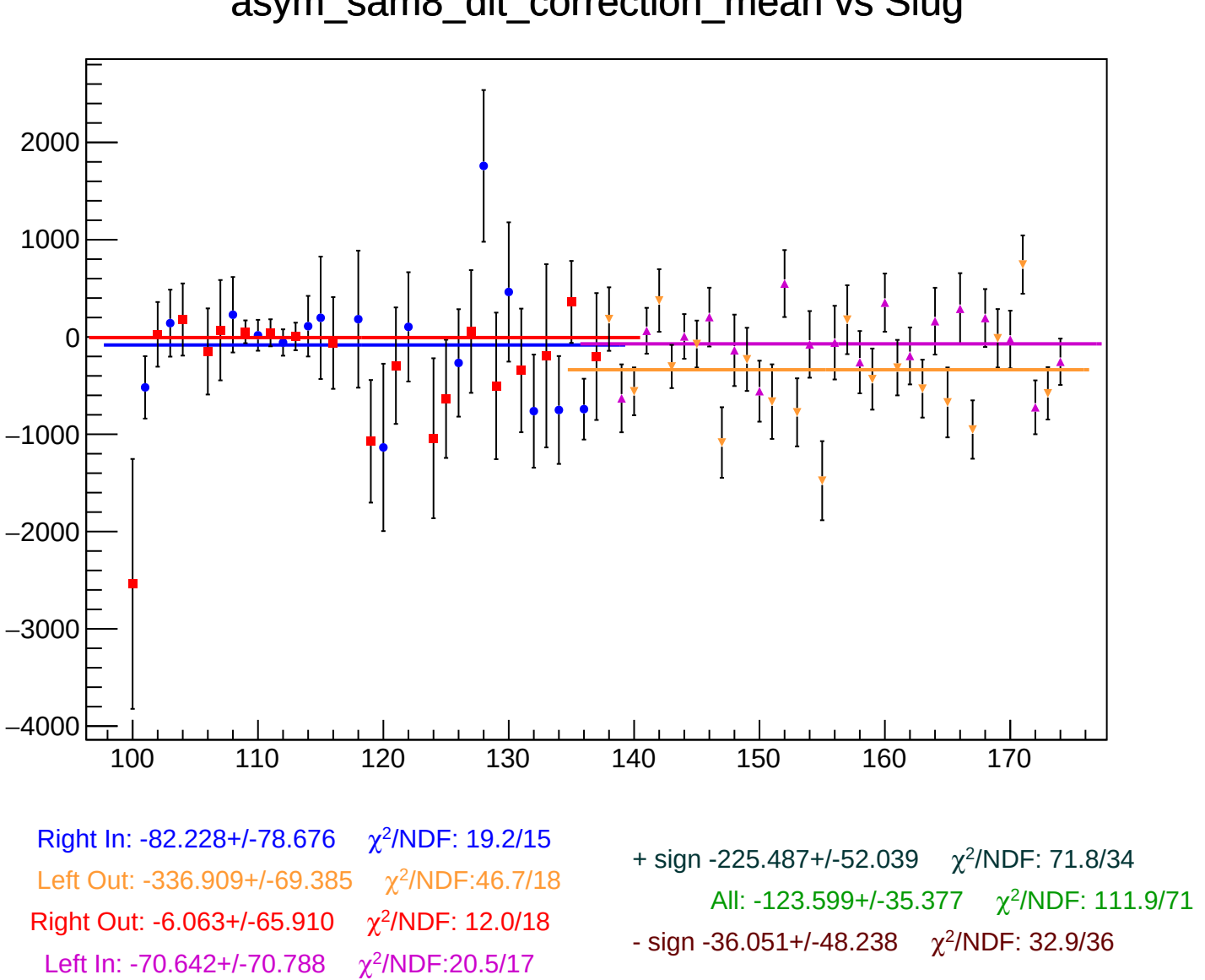
Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 63.602+/-0.012 χ^2/NDF:113587.8/17

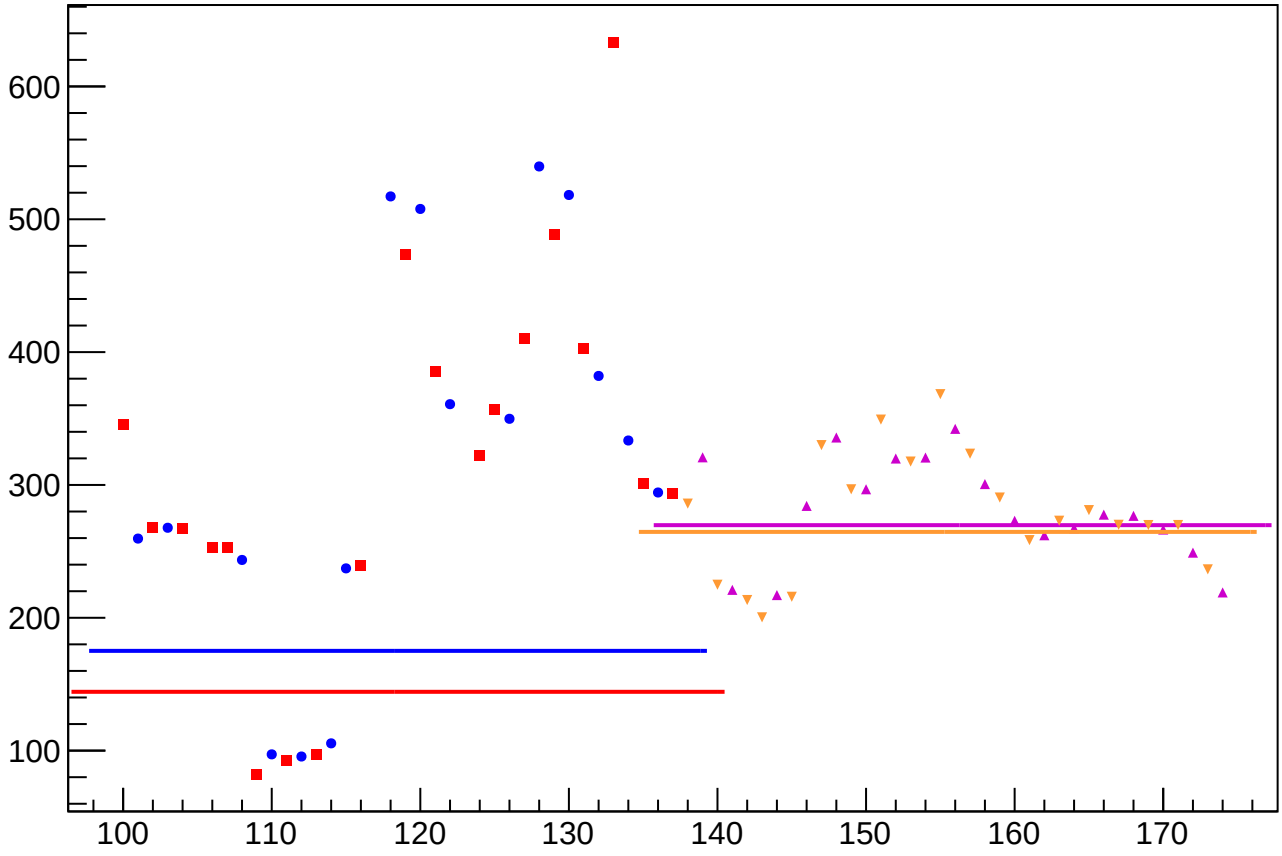
+ sign 64.444+/-0.010 χ^2/NDF: 499116.1/34

All: 64.771+/-0.007 χ^2/NDF: 917577.8/71

- sign 65.103+/-0.010 χ^2/NDF: 416204.9/36


asym_sam8_dit_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
−4000
100
110
120
130
140
150
160
170
Right In: -82.228+/-78.676 χ²/NDF: 19.2/15
Left Out: -336.909+/-69.385 χ²/NDF:46.7/18
Right Out: -6.063+/-65.910 χ²/NDF: 12.0/18
Left In: -70.642+/-70.788 χ²/NDF:20.5/17
+ sign -225.487+/-52.039 χ²/NDF: 71.8/34
All: -123.599+/-35.377 χ²/NDF: 111.9/71
- sign -36.051+/-48.238 χ²/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: 264.658+/-0.049 χ^2/NDF:818299.0/18

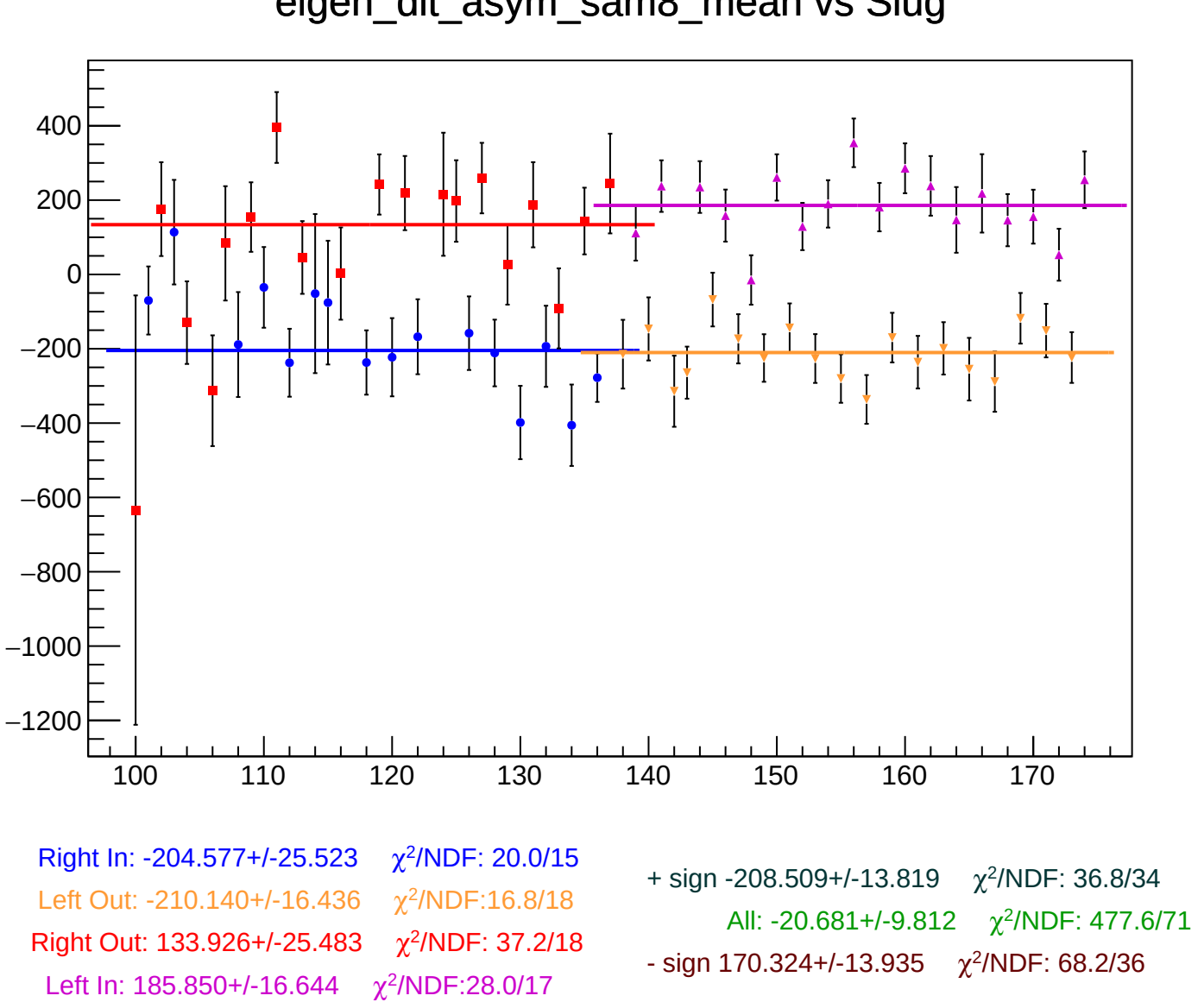
Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 269.730+/-0.050 χ^2/NDF:601634.7/17

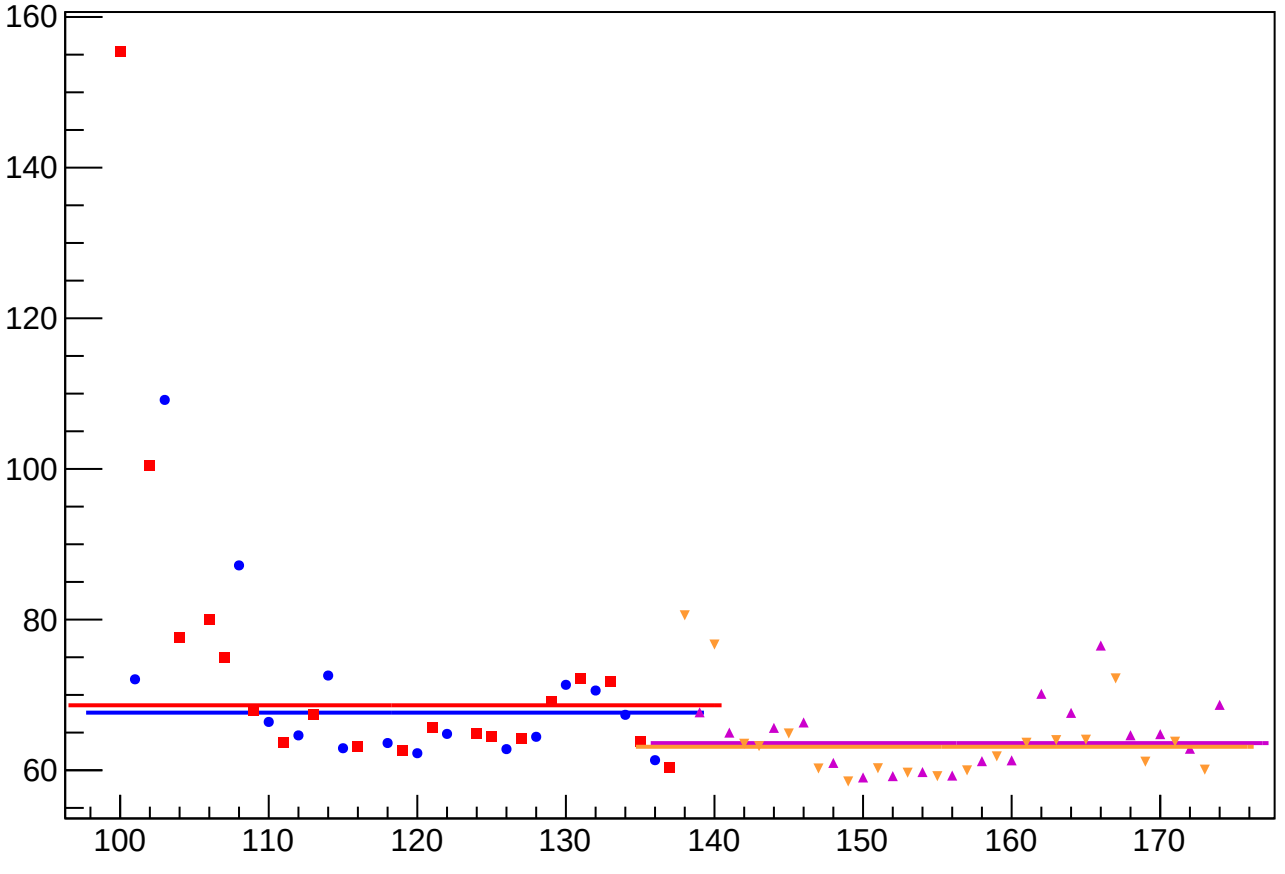
+ sign 225.477+/-0.037 χ^2/NDF: 6705153.4/34

All: 213.136+/-0.025 χ^2/NDF: 16013031.4/71

- 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: -210.140+/-16.436 χ²/NDF:16.8/18
Right Out: 133.926+/-25.483 χ²/NDF: 37.2/18
Left In: 185.850+/-16.644 χ²/NDF:28.0/17
+ sign -208.509+/-13.819 χ²/NDF: 36.8/34
All: -20.681+/-9.812 χ²/NDF: 477.6/71
- 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: 63.116+/-0.012 χ^2/NDF:190880.3/18

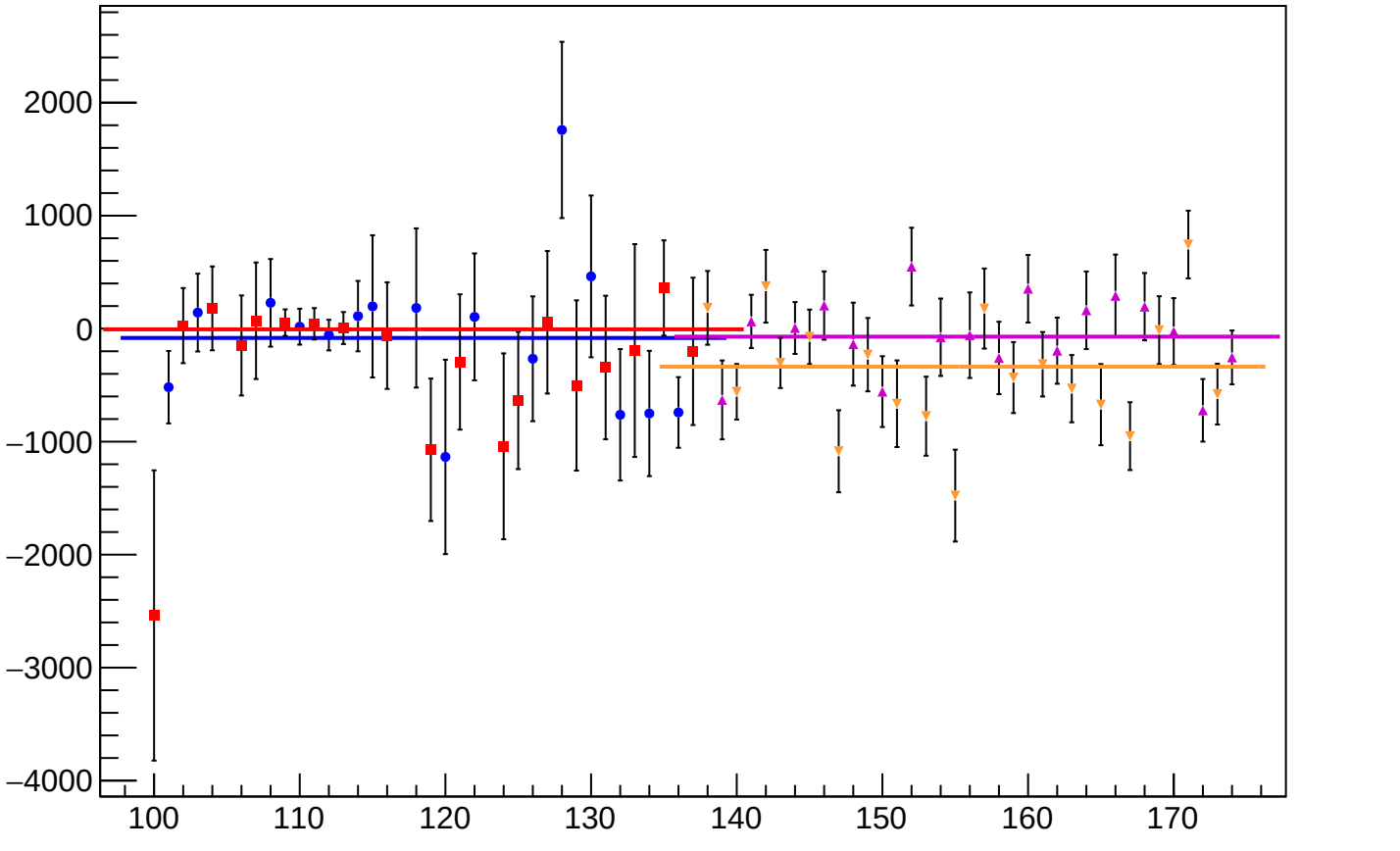
Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 63.602+/-0.012 χ^2/NDF:113588.0/17

+ sign 64.444+/-0.010 χ^2/NDF: 499109.9/34

All: 64.771+/-0.007 χ^2/NDF: 917567.9/71

- 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: -336.909+/-69.385 χ^2/NDF:46.7/18

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

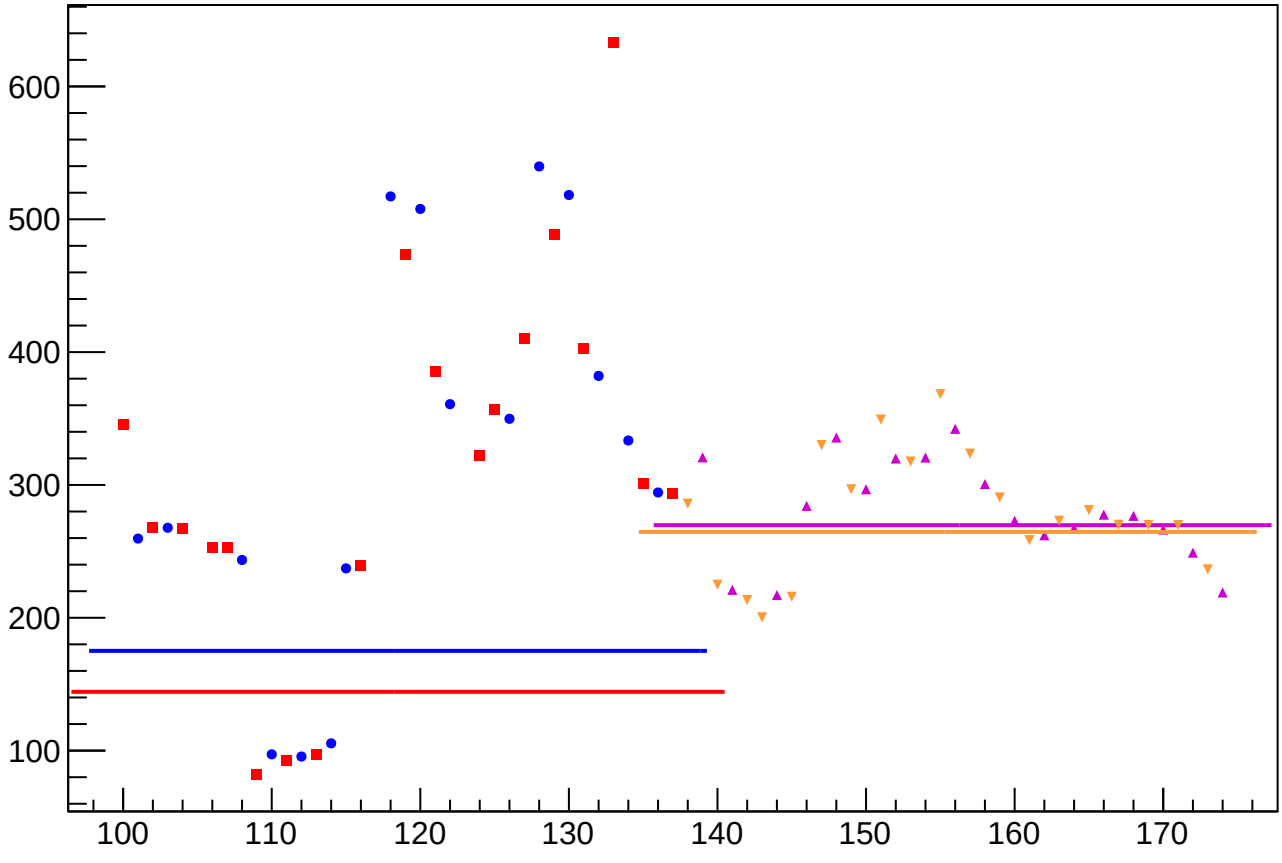
Left In: -70.642+/-70.788 χ^2/NDF:20.5/17

+ sign -225.486+/-52.039 χ^2/NDF: 71.8/34

All: -123.598+/-35.377 χ^2/NDF: 111.9/71

- 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: 264.657+/-0.049 χ^2/NDF:818308.4/18

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

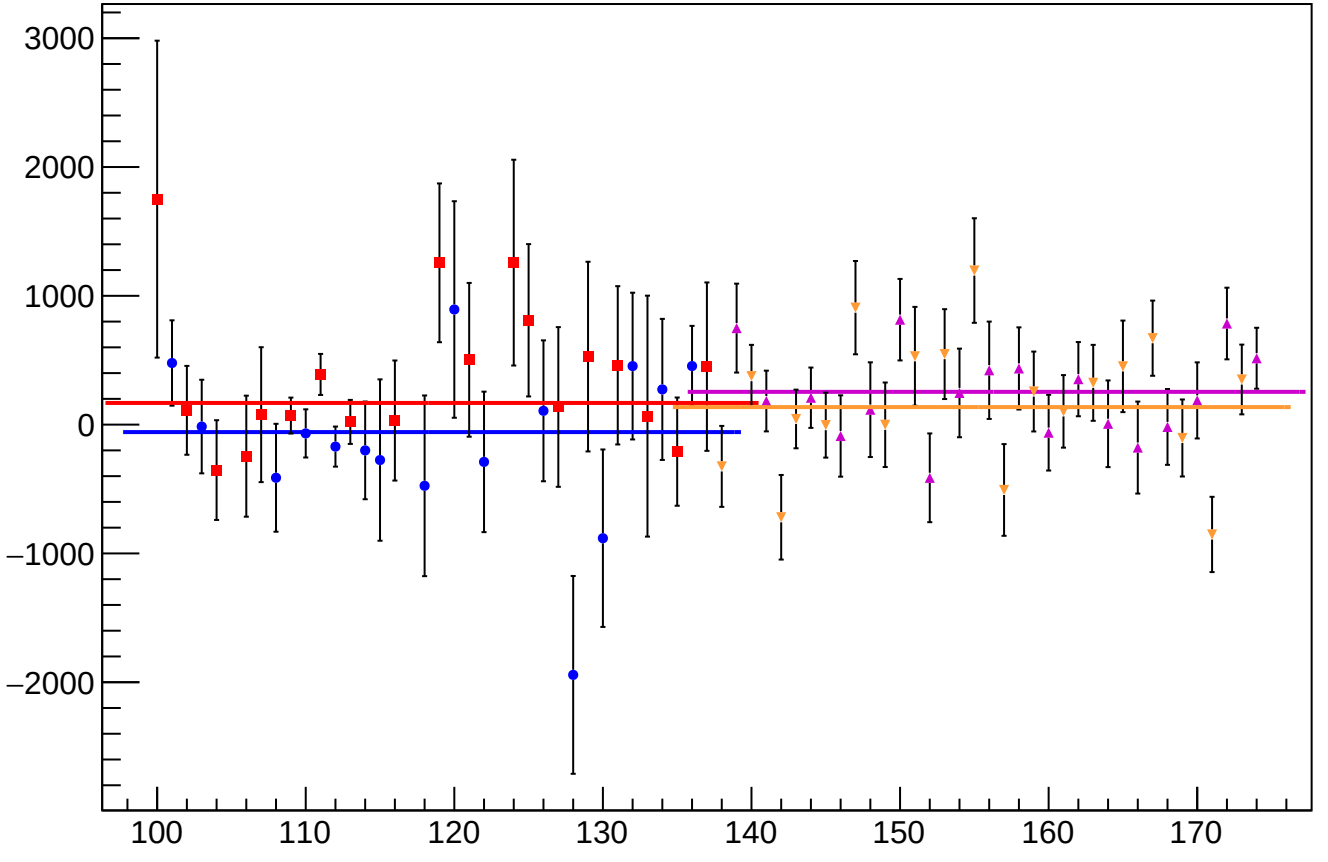
Left In: 269.729+/-0.050 χ^2/NDF:601639.6/17

+ sign 225.475+/-0.037 χ^2/NDF: 6705211.1/34

All: 213.135+/-0.025 χ^2/NDF: 16013046.8/71

- 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: 136.051+/-69.338 χ^2/NDF:45.1/18

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

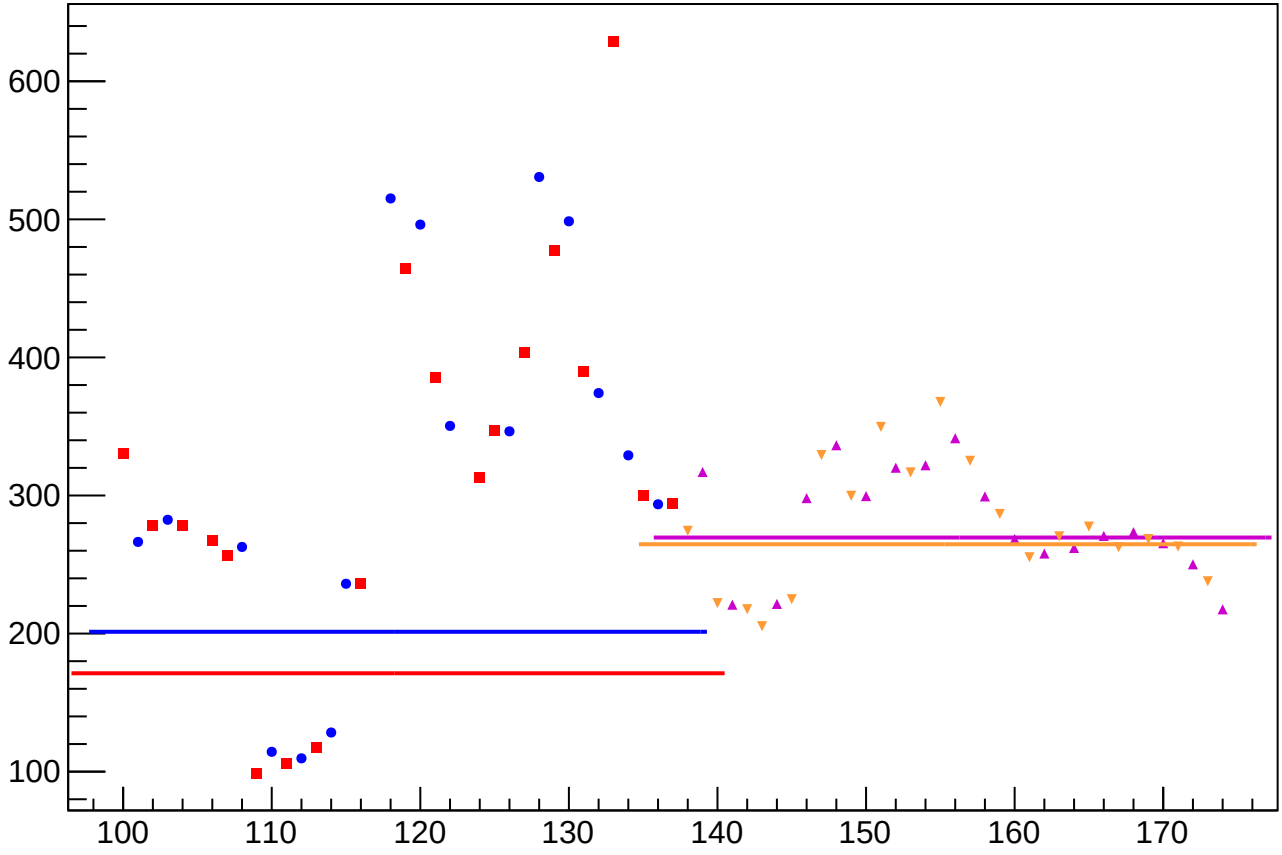
Left In: 254.470+/-70.738 χ^2/NDF:20.0/17

+ sign 60.567+/-54.197 χ^2/NDF: 65.5/34

All: 141.282+/-37.268 χ^2/NDF: 105.9/71

- 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: 264.695+/-0.049 χ^2/NDF:741976.4/18

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

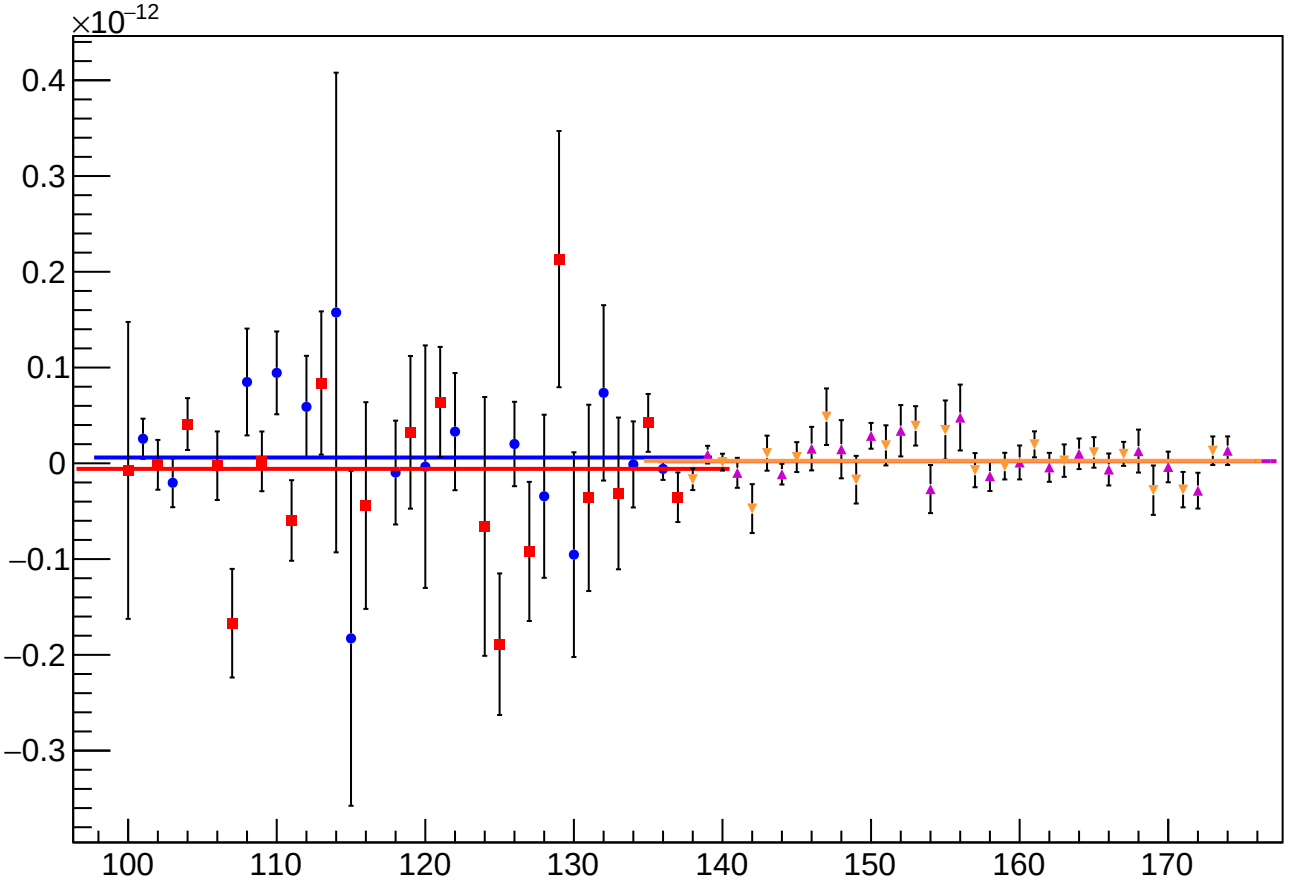
Left In: 269.560+/-0.050 χ^2/NDF:598362.4/17

+ sign 240.031+/-0.038 χ^2/NDF: 4964571.8/34

All: 231.061+/-0.026 χ^2/NDF: 11688333.4/71

- 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:22.1/18

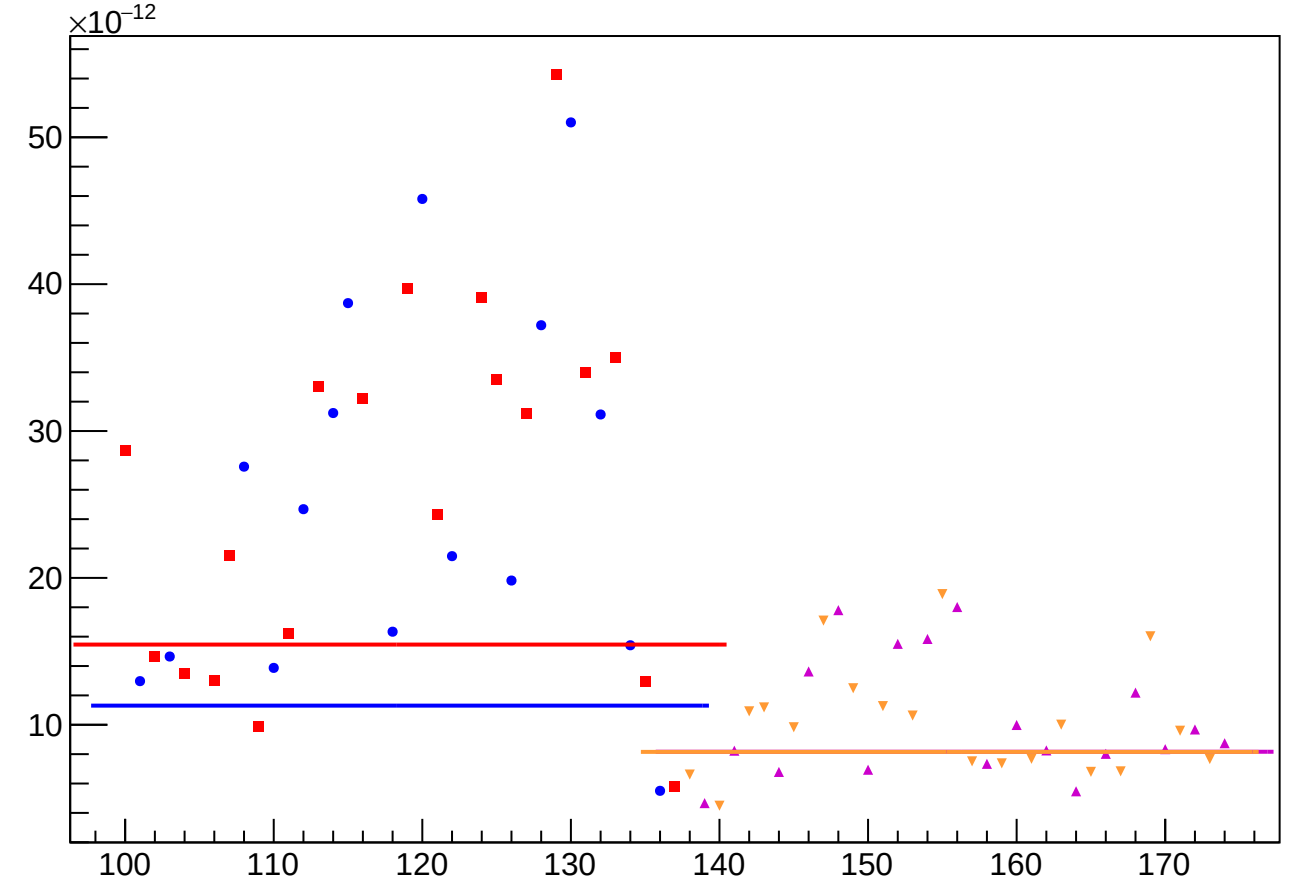
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/34

All: 0.000+/-0.000 χ^2/NDF: 84.2/71

- 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:1316510.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

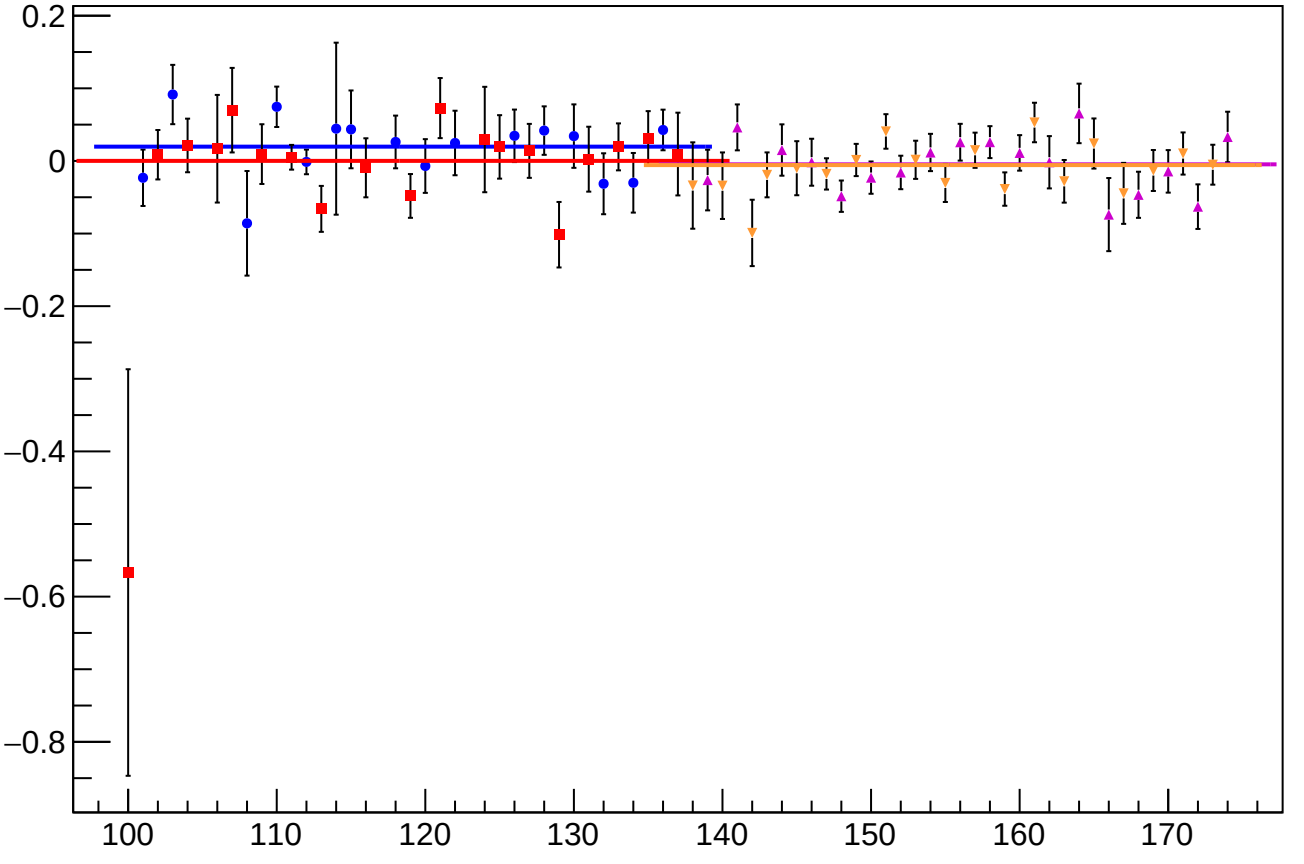
Left In: 0.000+/-0.000 χ^2/NDF:1318492.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 3348069.2/34

All: 0.000+/-0.000 χ^2/NDF: 7020690.7/71

- 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:20.1/18

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

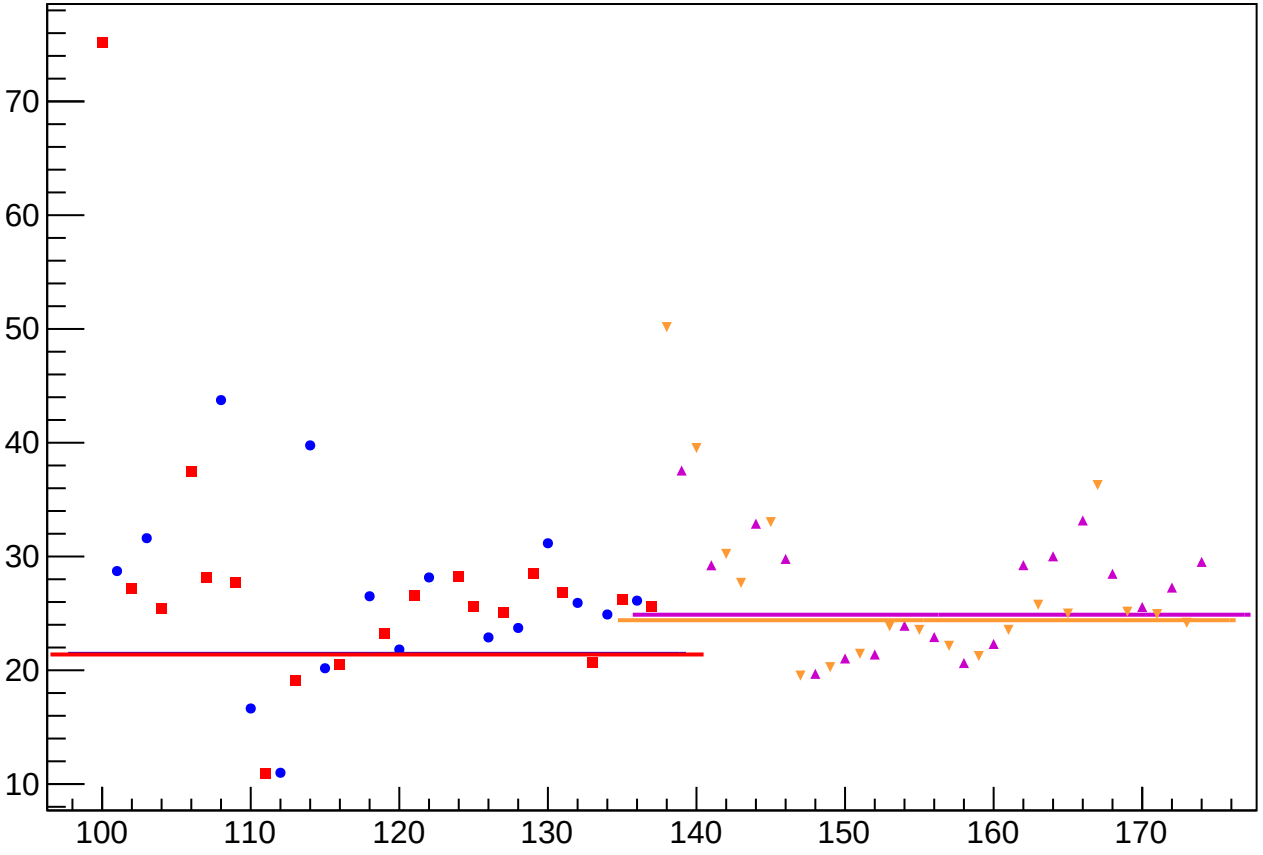
Left In: -0.005+/-0.007 χ^2/NDF:23.9/17

+ sign 0.004+/-0.005 χ^2/NDF: 42.6/34

All: 0.000+/-0.004 χ^2/NDF: 90.3/71

- 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: 24.400+/-0.005 χ^2/NDF:1184437.1/18

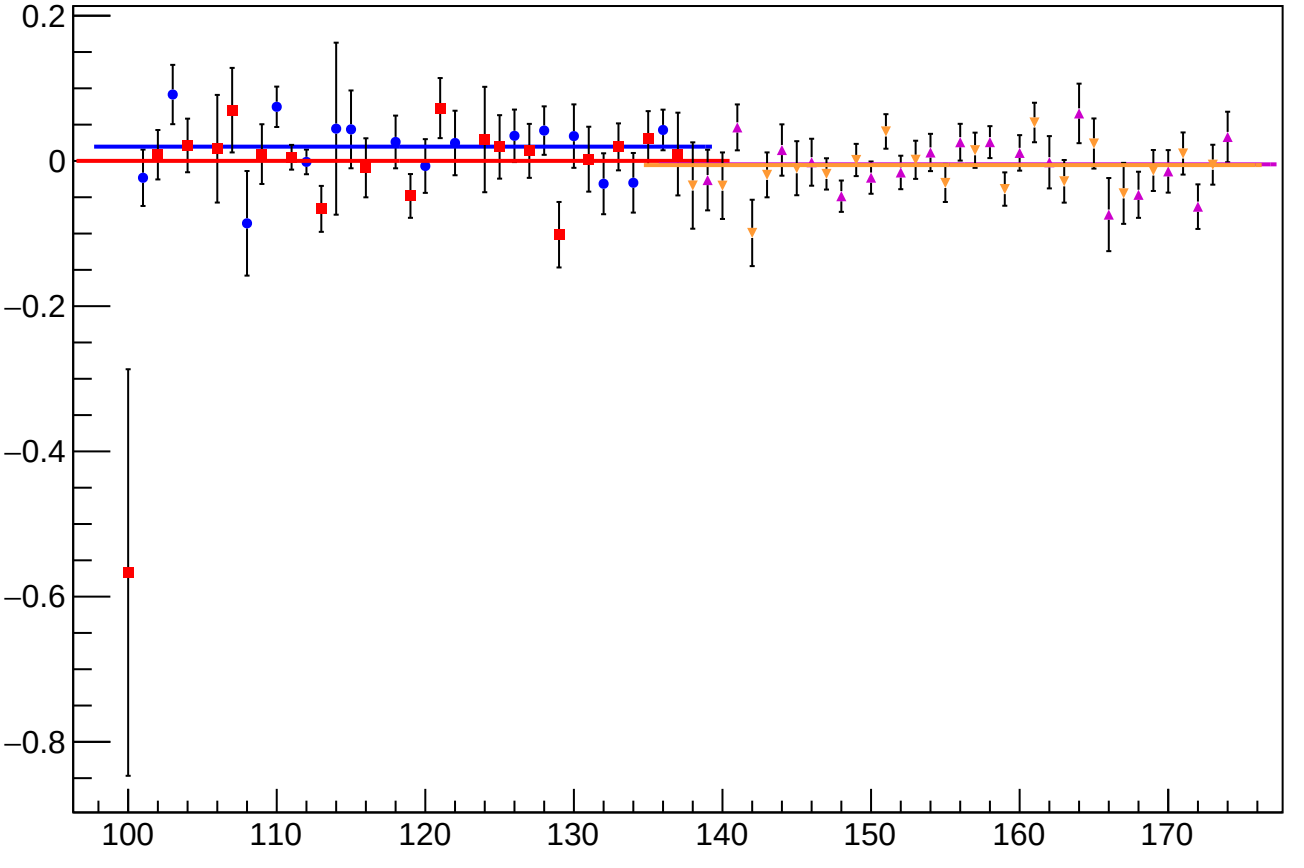
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.884+/-0.005 χ^2/NDF:892919.7/17

\+ sign 23.323+/-0.004 χ^2/NDF: 2872493.1/34

All: 23.429+/-0.003 χ^2/NDF: 5286319.7/71

\- sign 23.536+/-0.004 χ^2/NDF: 2412193.5/36



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.1/18

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

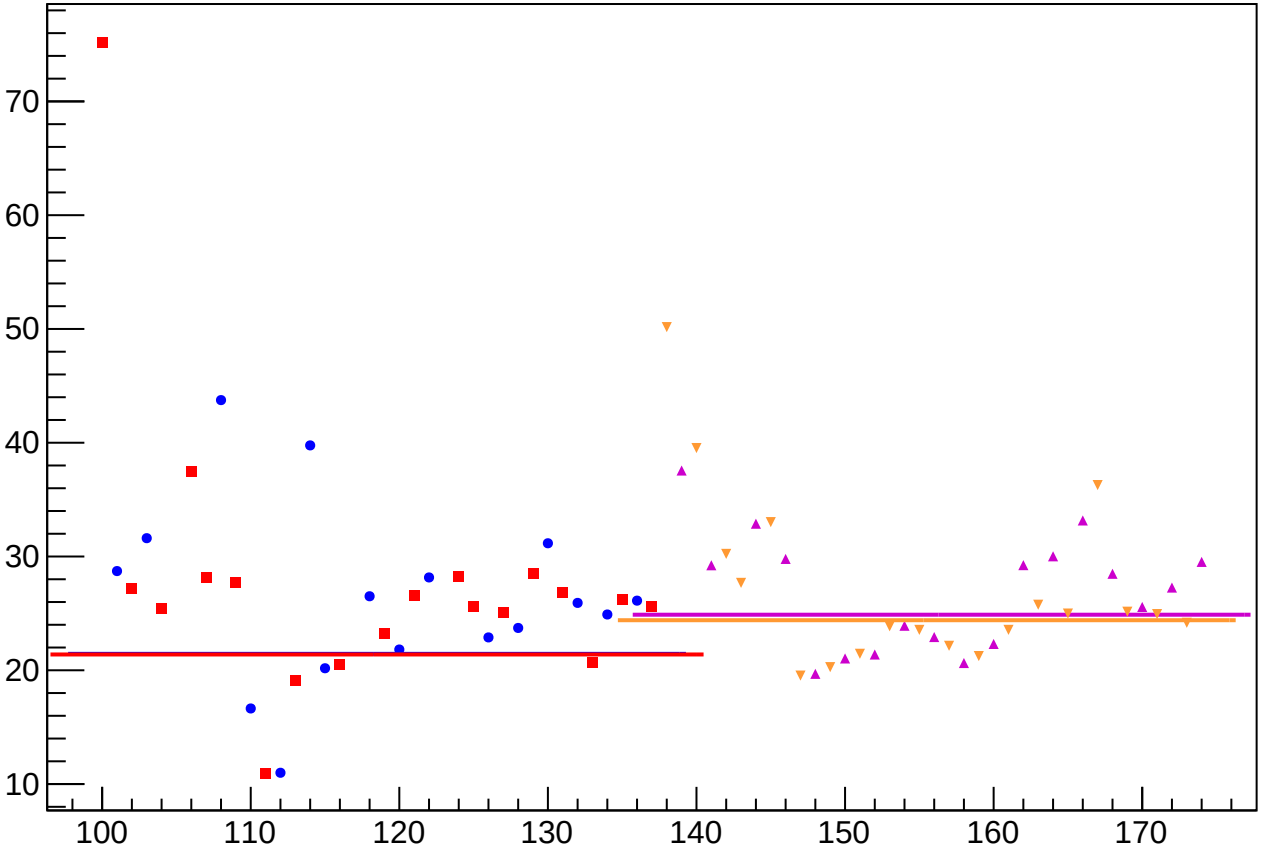
Left In: -0.005+/-0.007 χ^2/NDF:23.9/17

+ sign 0.004+/-0.005 χ^2/NDF: 42.6/34

All: 0.000+/-0.004 χ^2/NDF: 90.3/71

- 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: 24.400+/-0.005 χ^2/NDF:1184437.1/18

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

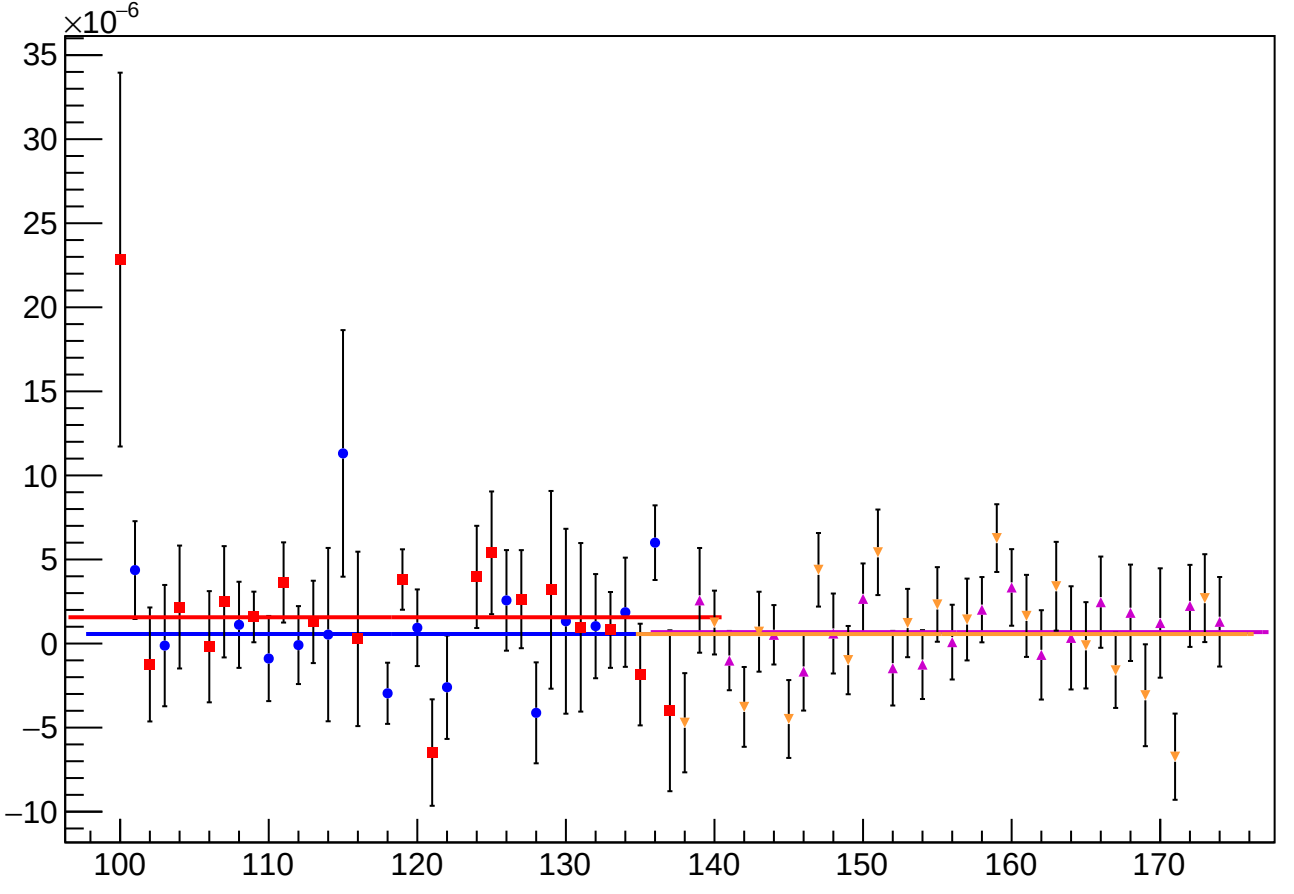
Left In: 24.884+/-0.005 χ^2/NDF:892919.7/17

\+ sign 23.323+/-0.004 χ^2/NDF: 2872493.1/34

All: 23.429+/-0.003 χ^2/NDF: 5286319.7/71

\- sign 23.536+/-0.004 χ^2/NDF: 2412193.5/36

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:40.2/18

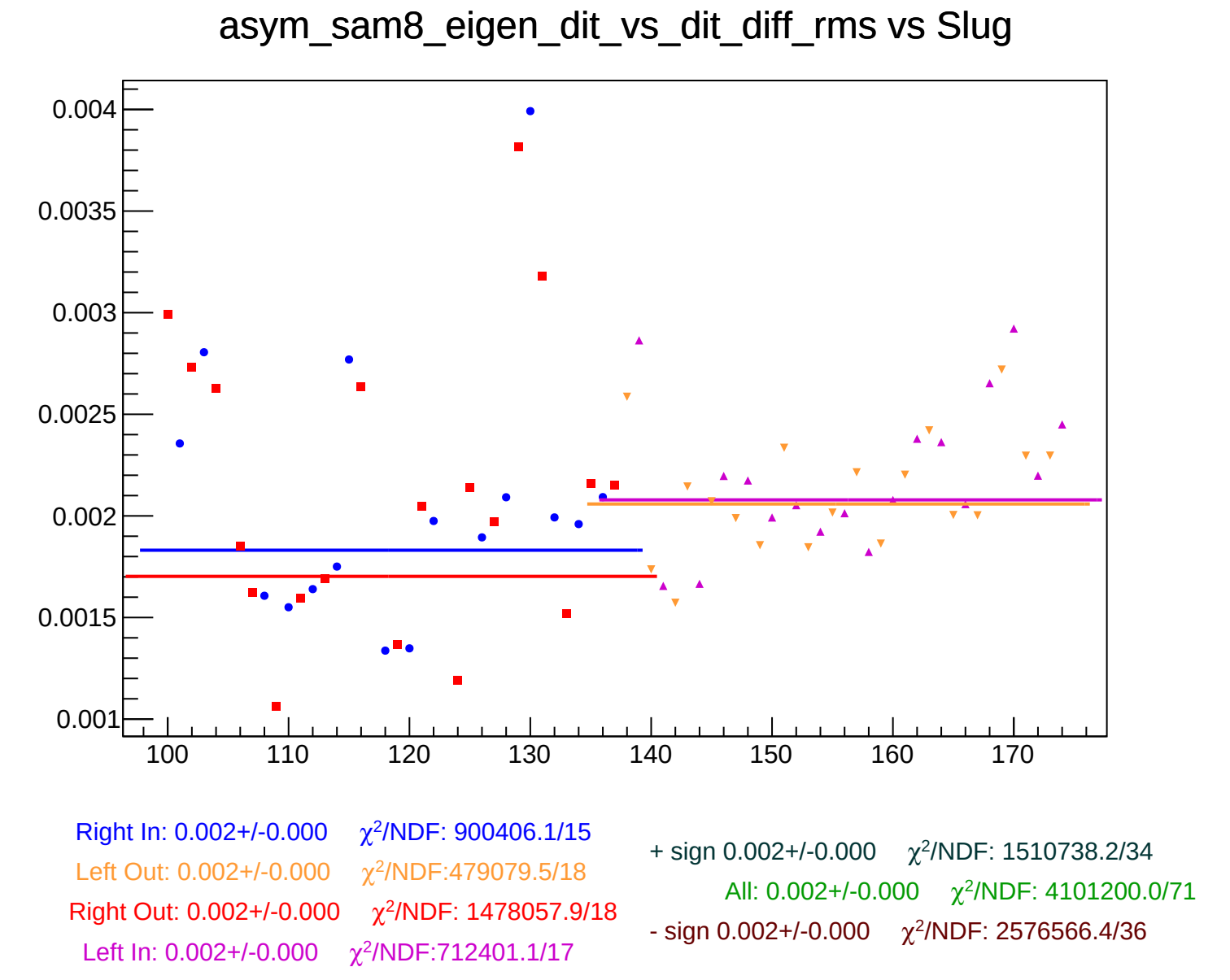
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

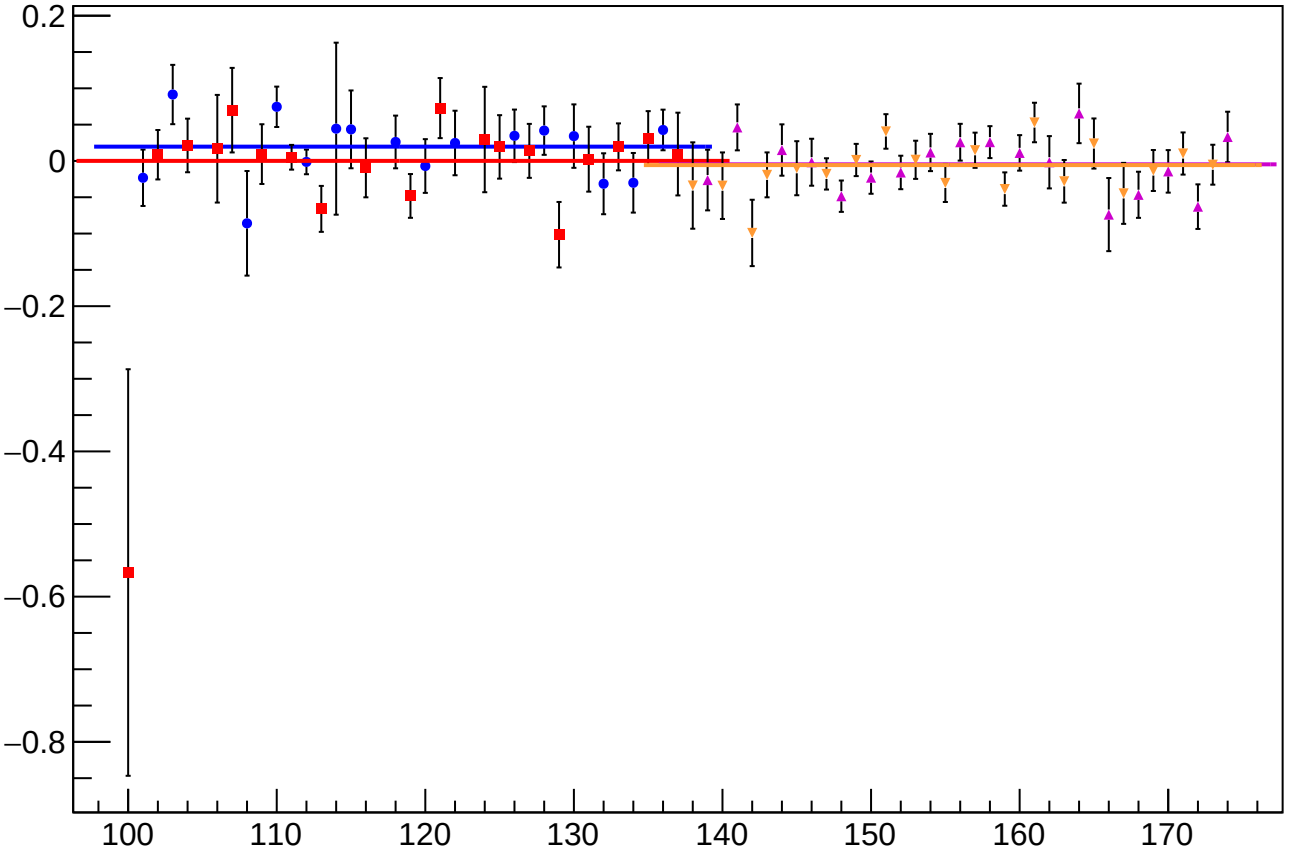
Left In: 0.000+/-0.000 χ^2/NDF:8.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 58.4/34

All: 0.000+/-0.000 χ^2/NDF: 86.7/71

- sign 0.000+/-0.000 χ^2/NDF: 27.6/36


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 900406.1/15
Left Out: 0.002+/-0.000 χ²/NDF:479079.5/18
Right Out: 0.002+/-0.000 χ²/NDF: 1478057.9/18
Left In: 0.002+/-0.000 χ²/NDF:712401.1/17
+ sign 0.002+/-0.000 χ²/NDF: 1510738.2/34
All: 0.002+/-0.000 χ²/NDF: 4101200.0/71
- sign 0.002+/-0.000 χ²/NDF: 2576566.4/36



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.1/18

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

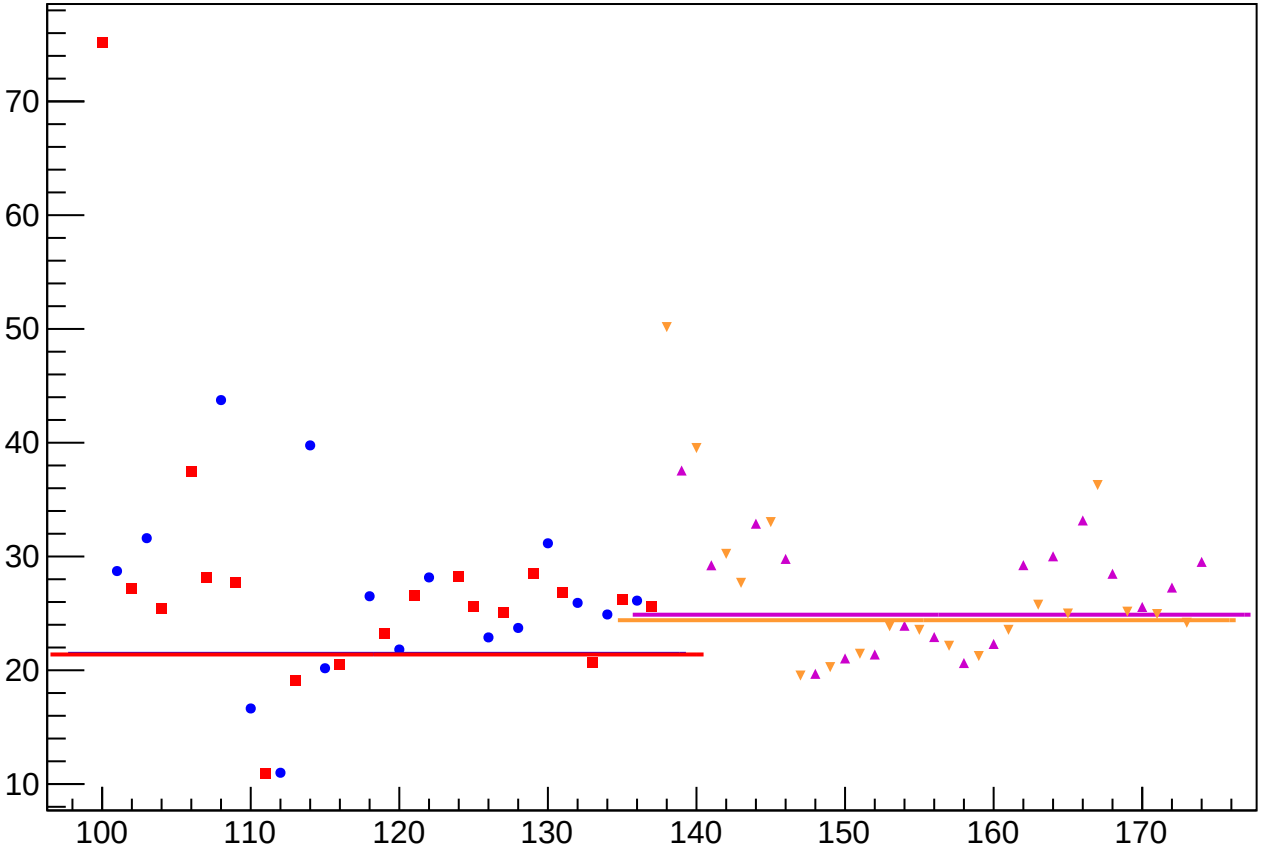
Left In: -0.005+/-0.007 χ^2/NDF:23.9/17

+ sign 0.004+/-0.005 χ^2/NDF: 42.6/34

All: 0.000+/-0.004 χ^2/NDF: 90.3/71

- 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: 24.400+/-0.005 χ^2/NDF:1184436.1/18

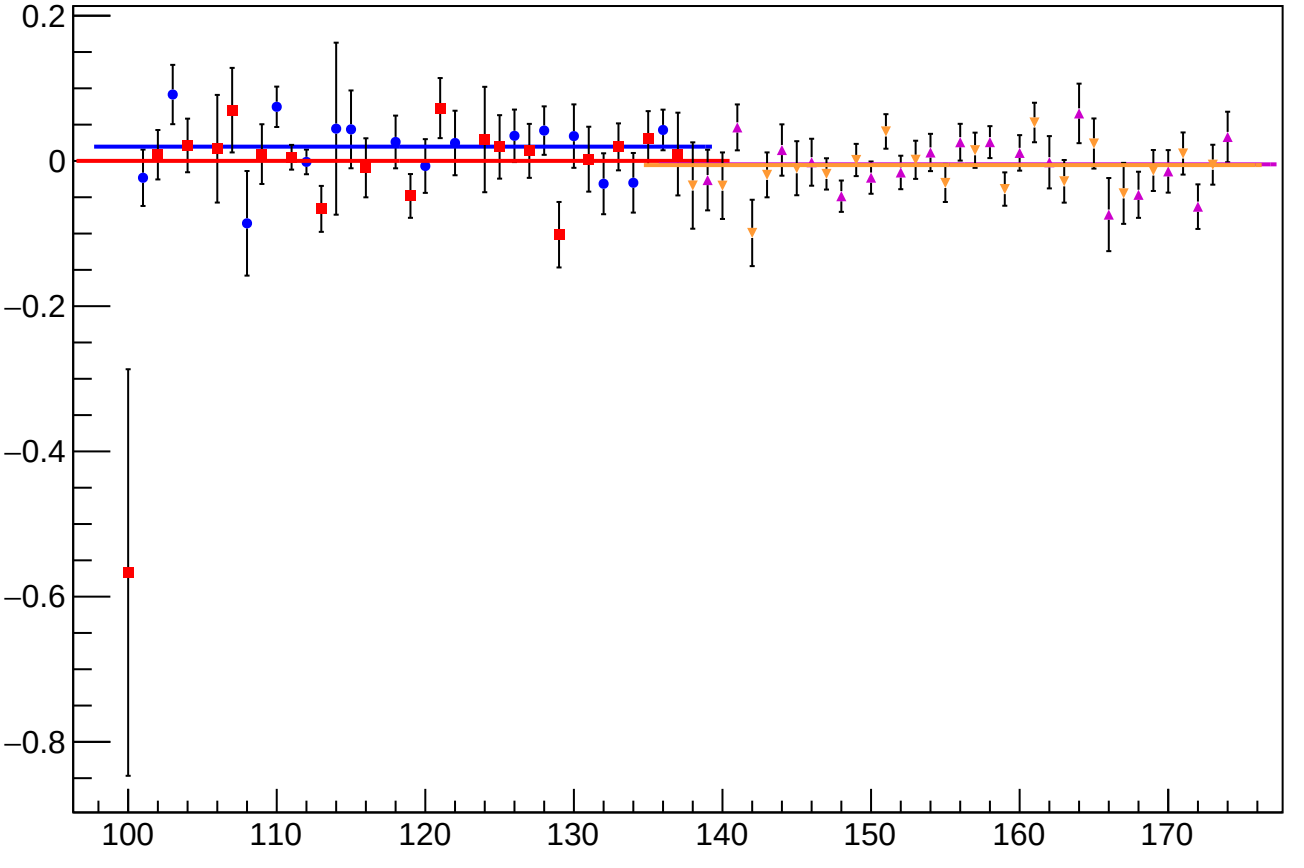
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.884+/-0.005 χ^2/NDF:892925.3/17

\+ sign 23.323+/-0.004 χ^2/NDF: 2872720.1/34

All: 23.429+/-0.003 χ^2/NDF: 5286772.9/71

\- 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:20.1/18

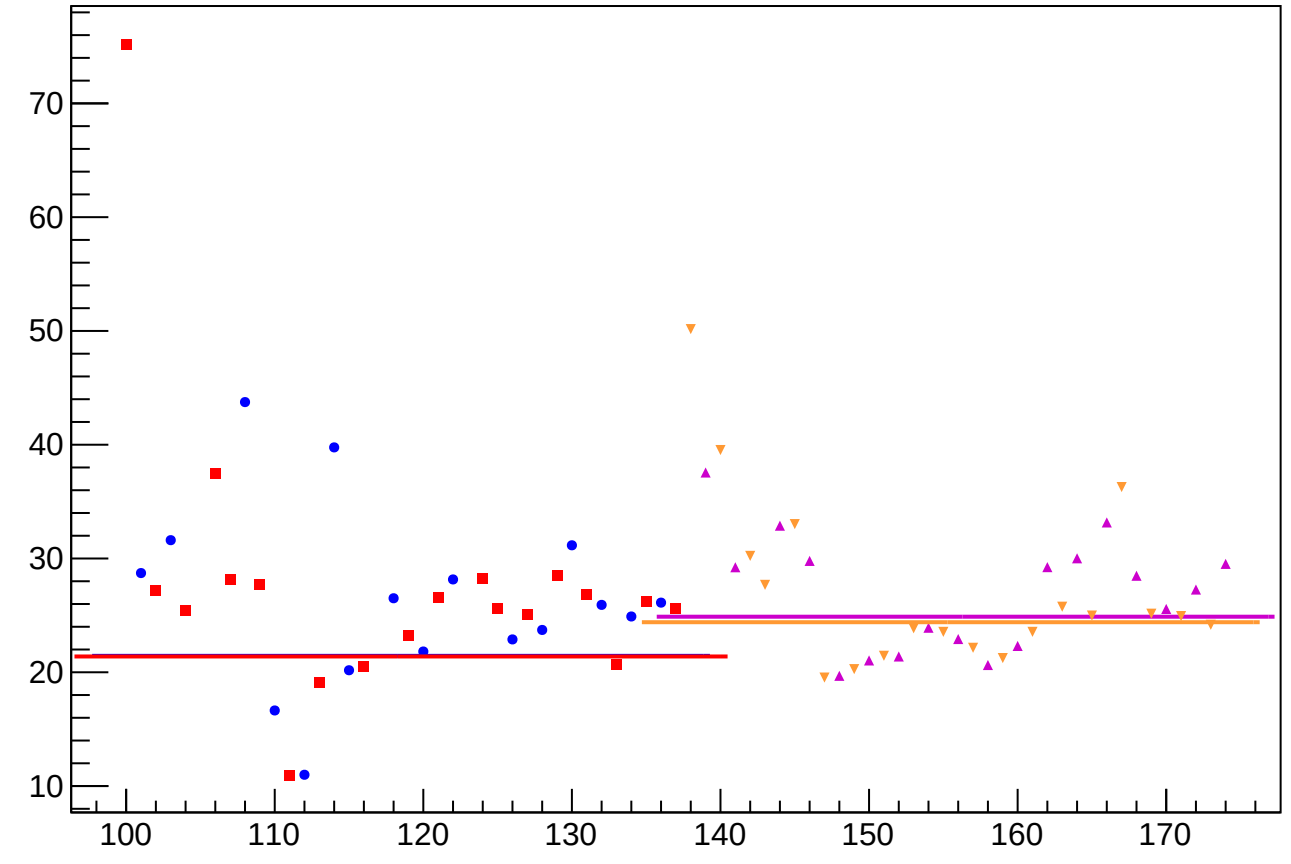
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.005+/-0.007 χ^2/NDF:23.9/17

+ sign 0.004+/-0.005 χ^2/NDF: 42.6/34

All: 0.000+/-0.004 χ^2/NDF: 90.3/71

- 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: 24.400+/-0.005 χ^2/NDF:1184436.1/18

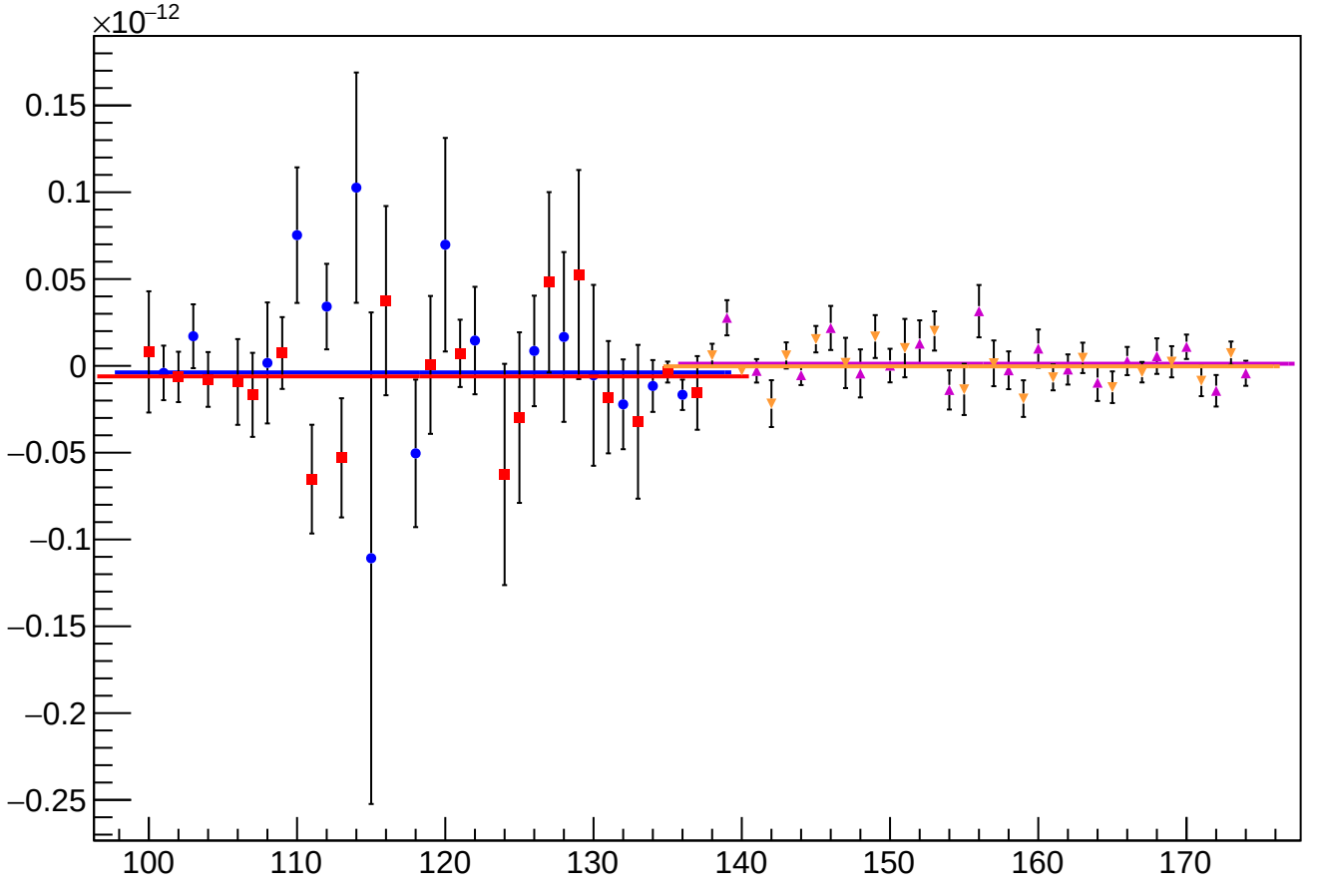
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.884+/-0.005 χ^2/NDF:892925.3/17

+ sign 23.323+/-0.004 χ^2/NDF: 2872720.1/34

All: 23.429+/-0.003 χ^2/NDF: 5286772.9/71

- sign 23.536+/-0.004 χ^2/NDF: 2412419.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

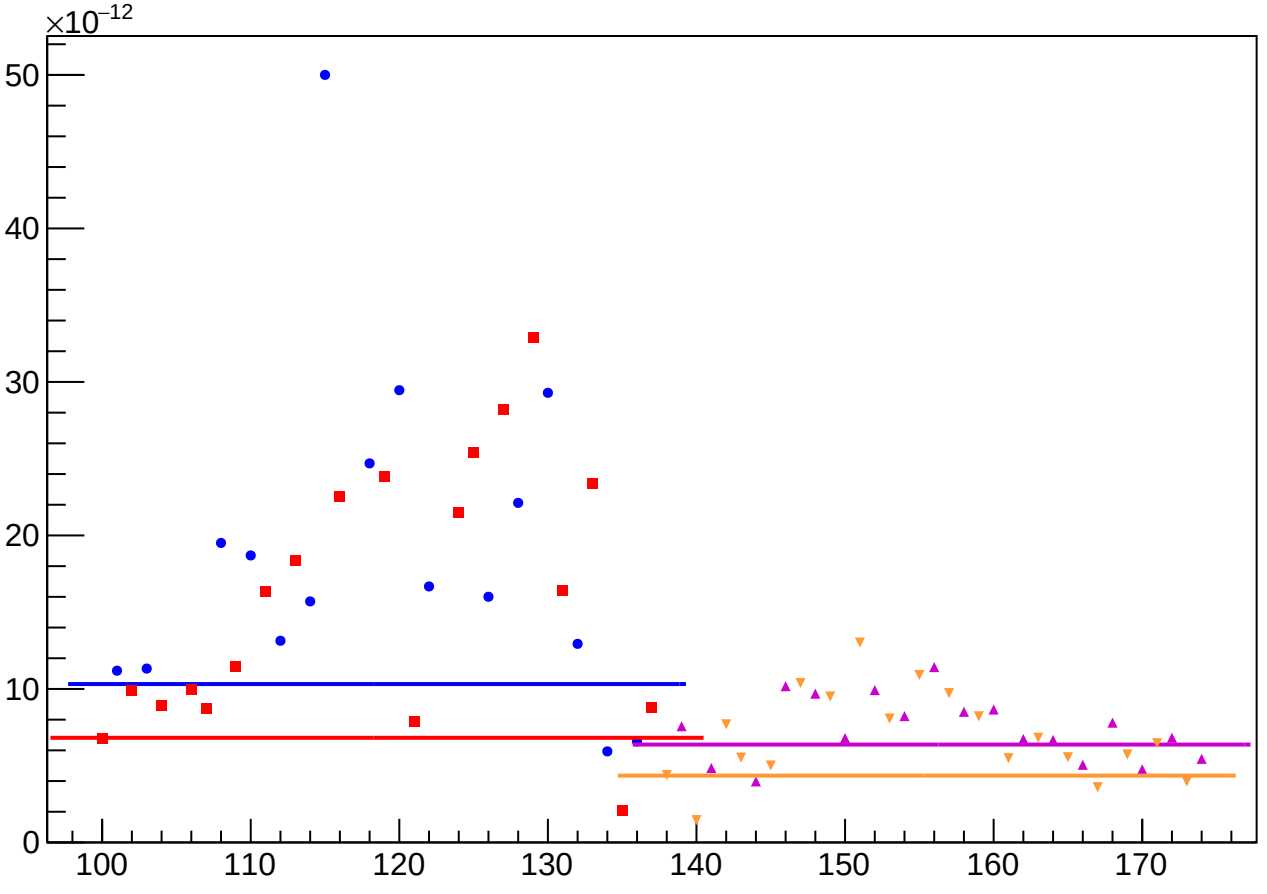
Left In: 0.000+/-0.000 χ^2/NDF:25.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 41.5/34

All: -0.000+/-0.000 χ^2/NDF: 80.6/71

- 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:5095283.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

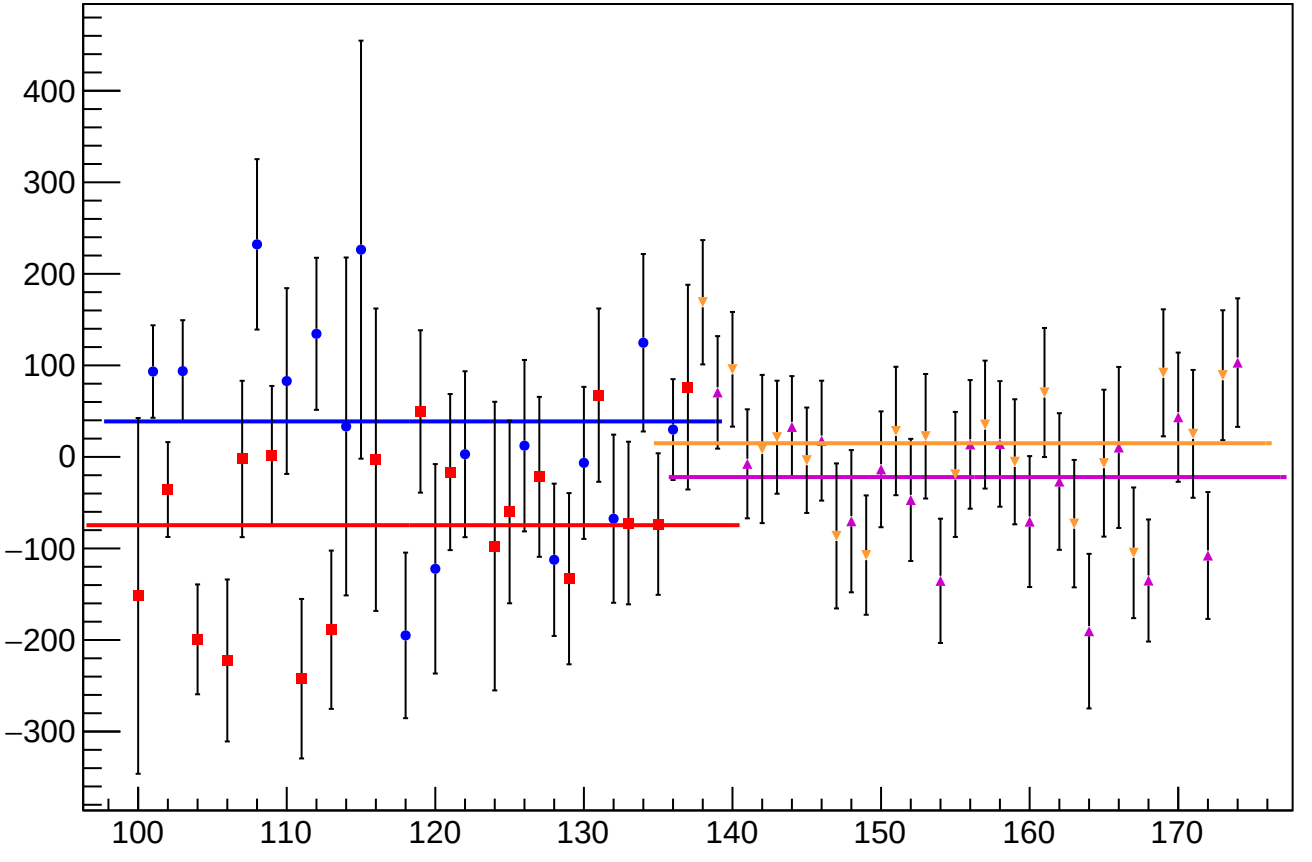
Left In: 0.000+/-0.000 χ^2/NDF:1601194.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 9195473.9/34

All: 0.000+/-0.000 χ^2/NDF: 15628753.2/71

- 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: 14.981+/-15.799 χ^2/NDF:20.0/18

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

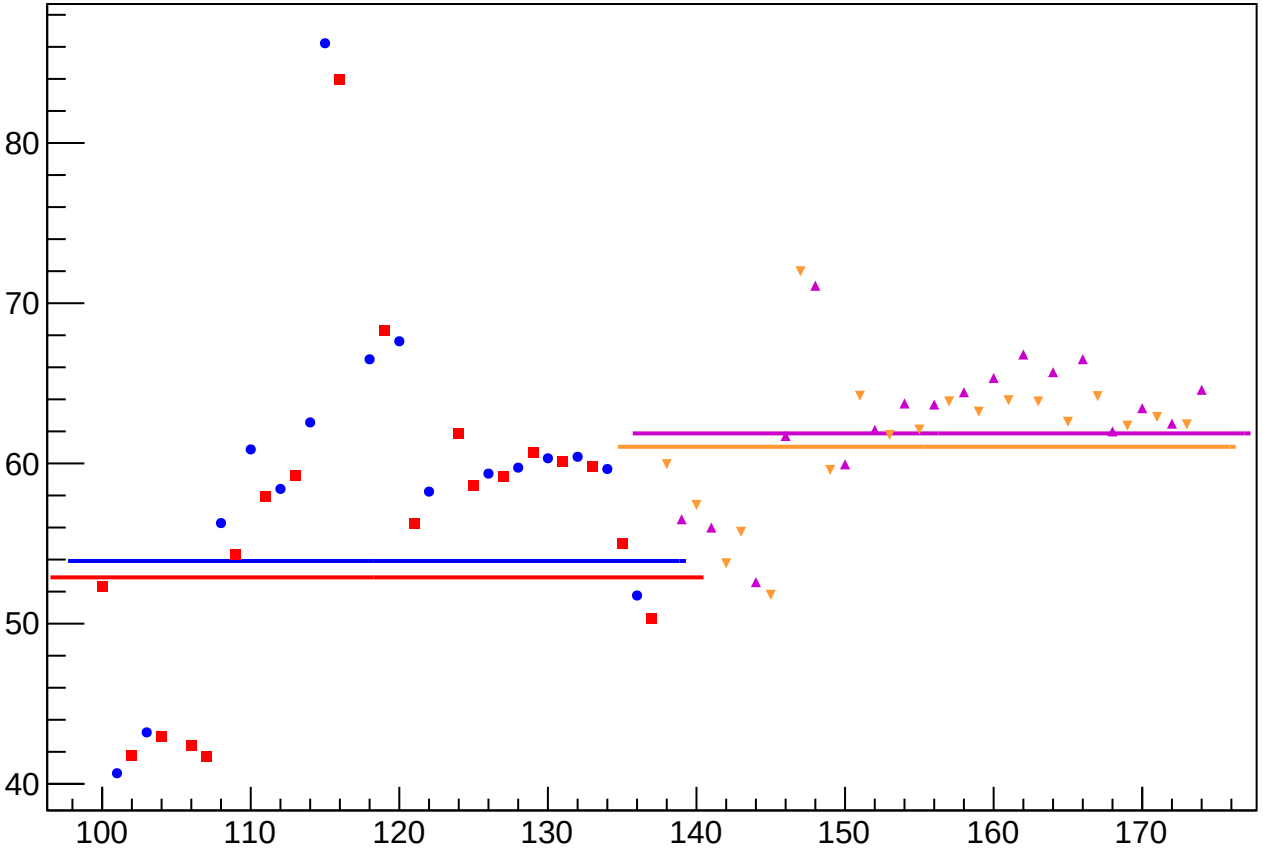
Left In: -22.024+/-16.101 χ^2/NDF:20.5/17

+ sign 23.897+/-12.494 χ^2/NDF: 44.1/34

All: -9.526+/-8.834 χ^2/NDF: 105.7/71

- 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: 61.039+/-0.011 χ^2/NDF:153327.7/18

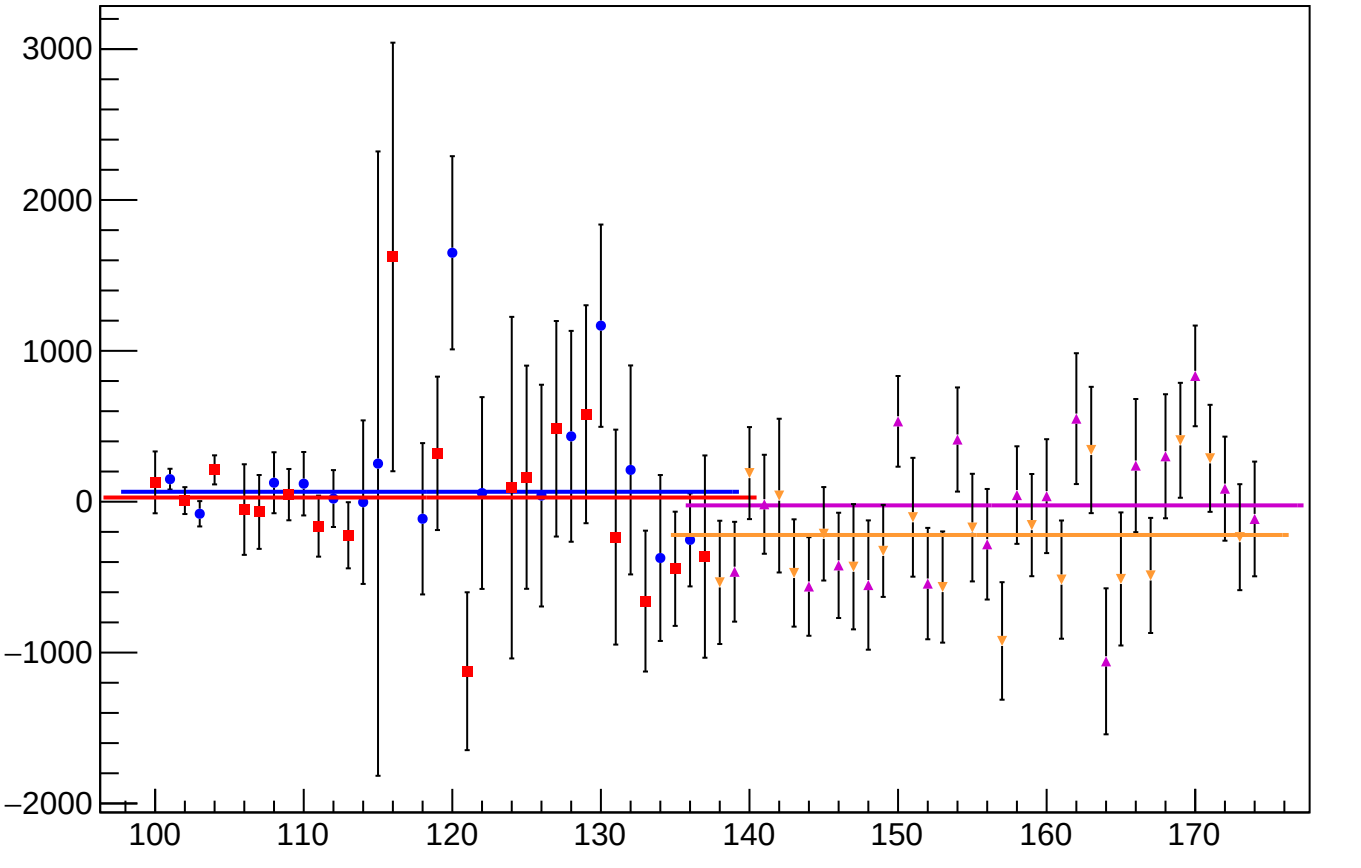
Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 61.875+/-0.011 χ^2/NDF:153503.5/17

+ sign 58.369+/-0.009 χ^2/NDF: 699040.9/34

All: 58.334+/-0.006 χ^2/NDF: 1525778.2/71

- 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: -220.497+/-84.627 χ^2/NDF:15.9/18

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

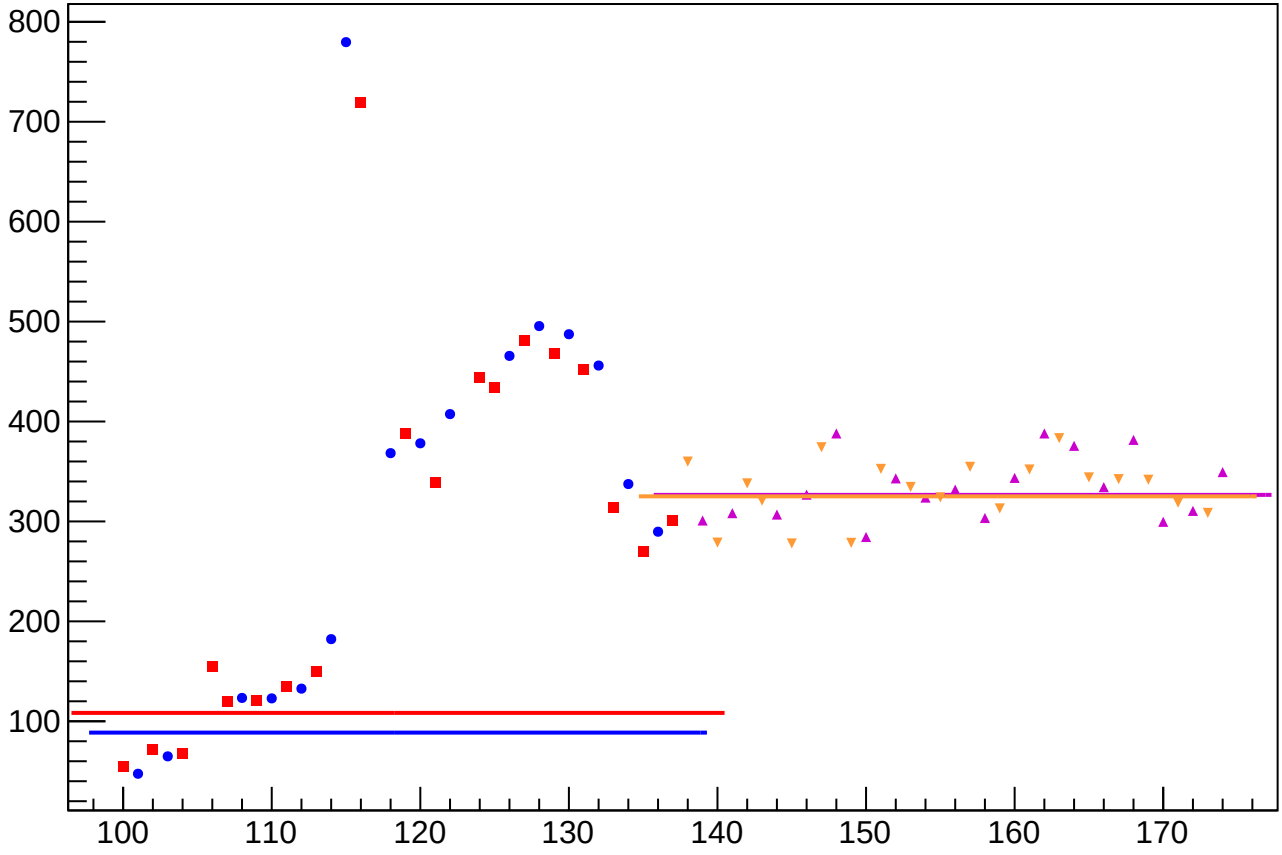
Left In: -24.306+/-85.365 χ^2/NDF:28.9/17

+ sign -0.506+/-40.739 χ^2/NDF: 40.4/34

All: 6.494+/-29.681 χ^2/NDF: 87.7/71

- 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: 325.114+/-0.060 χ^2/NDF:272870.1/18

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

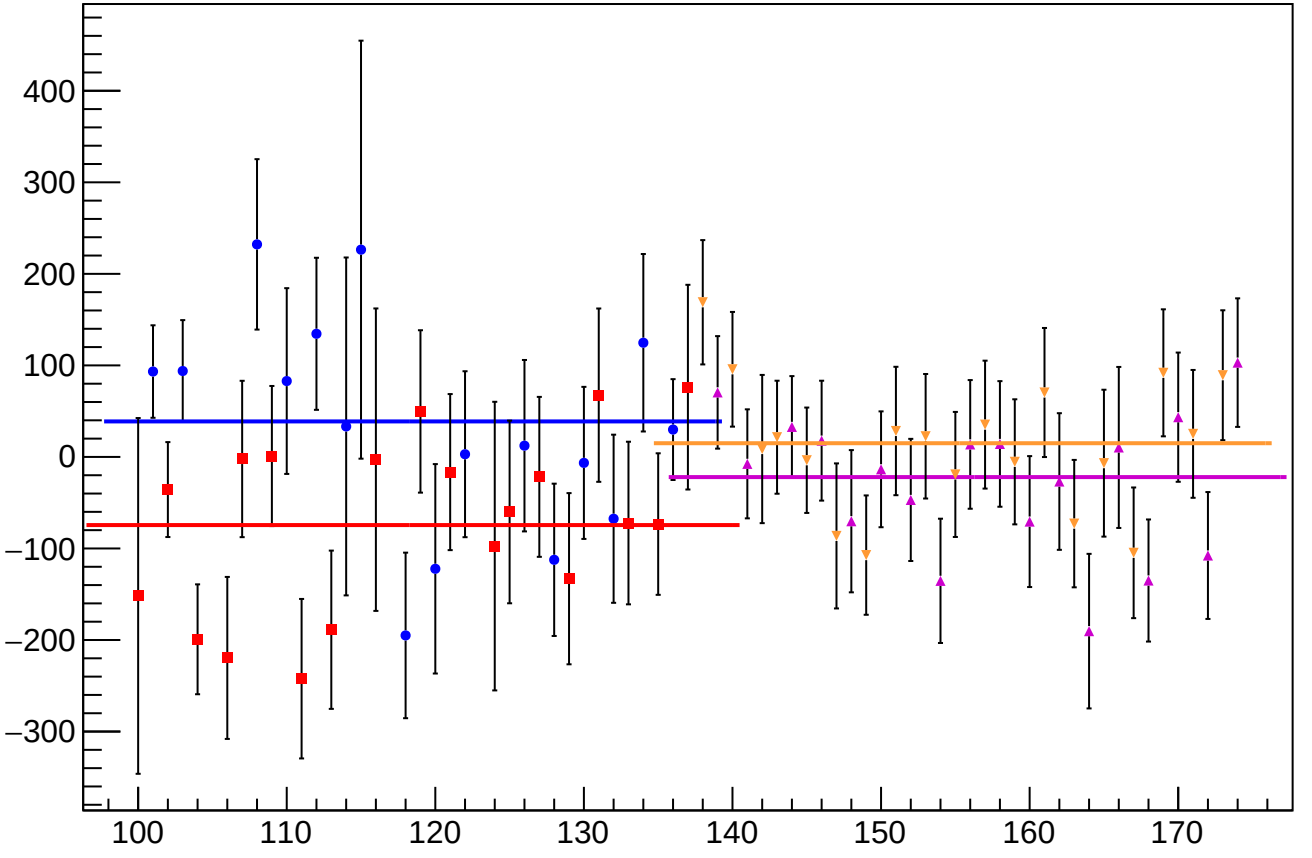
Left In: 326.582+/-0.060 χ^2/NDF:246677.2/17

+ sign 143.454+/-0.029 χ^2/NDF: 18916641.5/34

All: 153.377+/-0.021 χ^2/NDF: 34479148.8/71

- 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: 14.981+/-15.799 χ^2/NDF:20.0/18

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

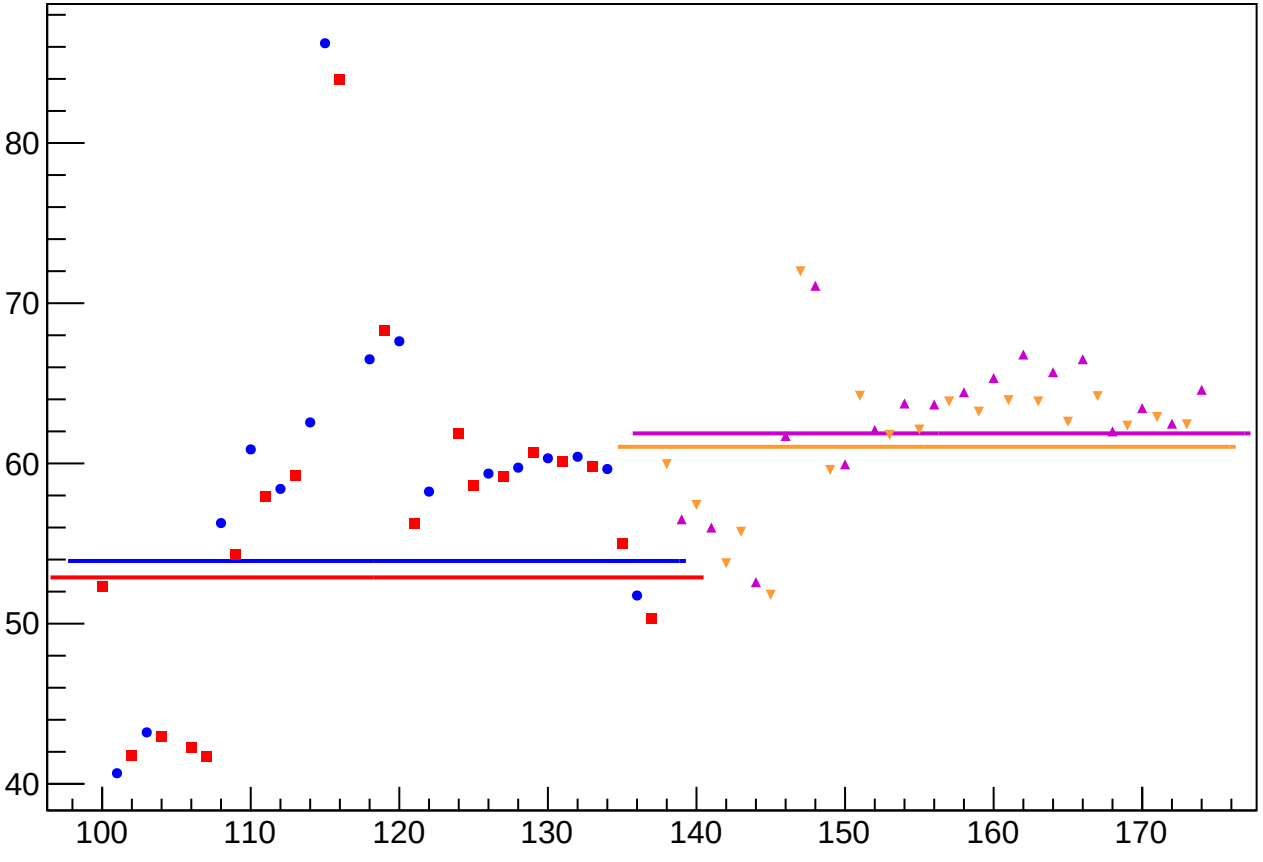
Left In: -22.023+/-16.101 χ^2/NDF:20.5/17

+ sign 23.902+/-12.494 χ^2/NDF: 44.1/34

All: -9.494+/-8.834 χ^2/NDF: 105.5/71

- 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: 61.039+/-0.011 χ^2/NDF:153327.7/18

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

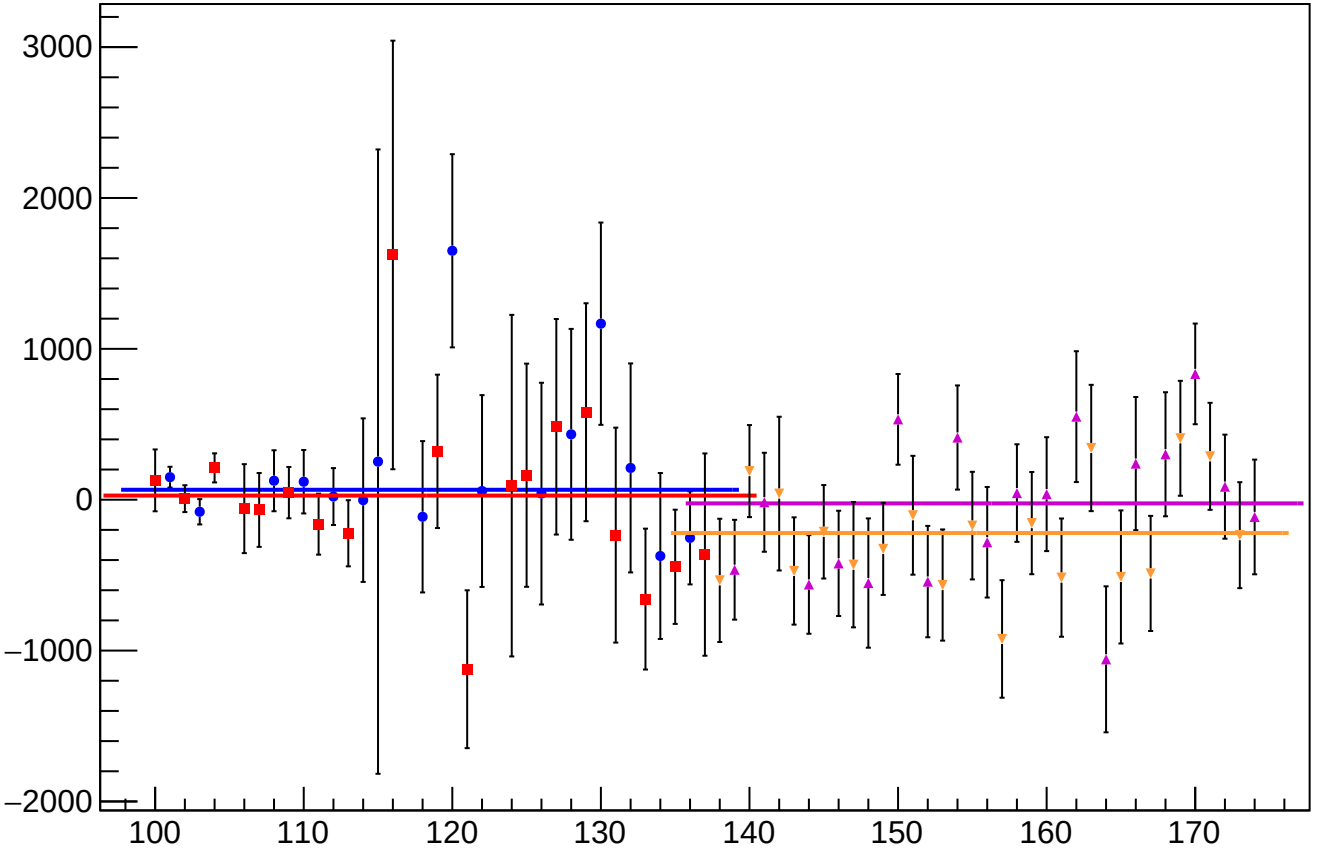
Left In: 61.875+/-0.011 χ^2/NDF:153503.5/17

+ sign 58.369+/-0.009 χ^2/NDF: 699039.9/34

All: 58.334+/-0.006 χ^2/NDF: 1526188.1/71

- sign 58.298+/-0.009 χ^2/NDF: 827116.0/36

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -220.497+/-84.627 χ^2/NDF:15.9/18

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

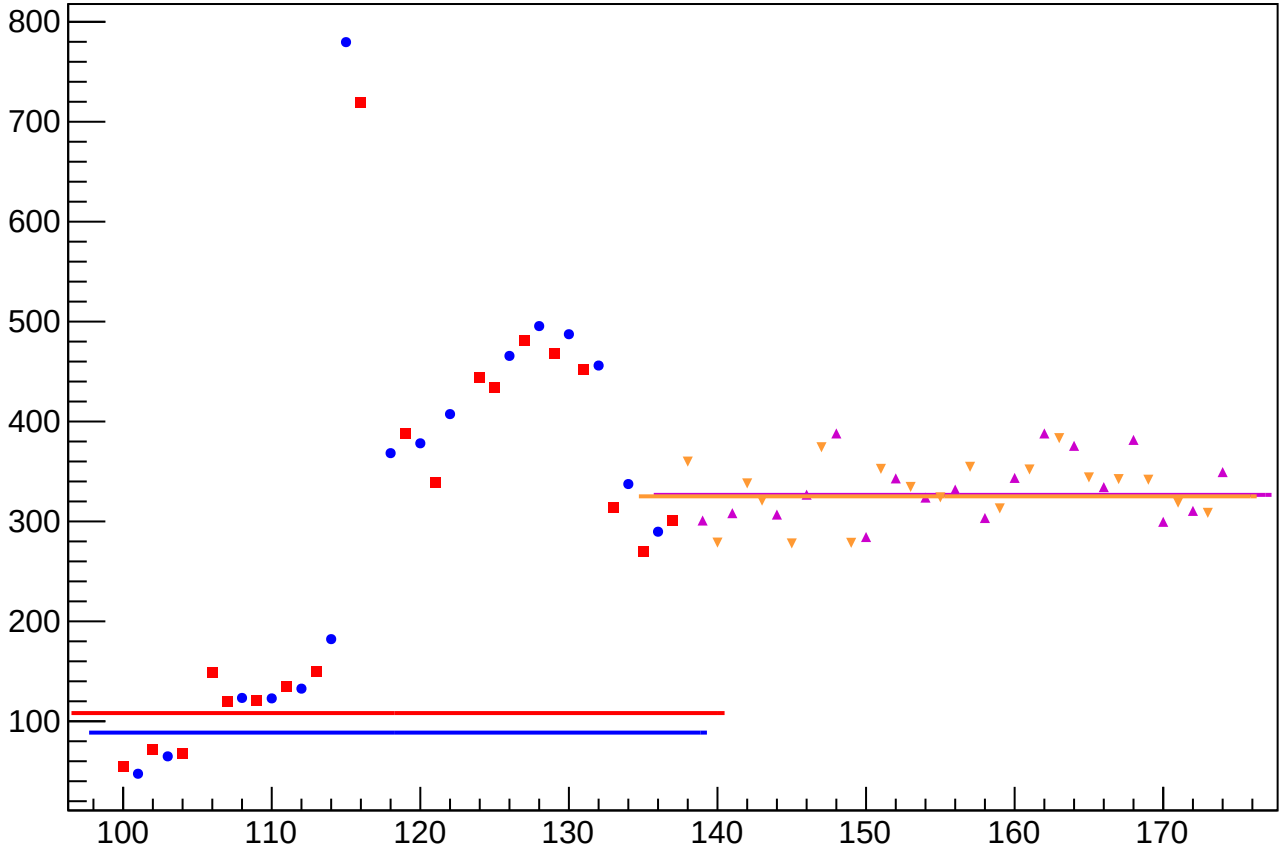
Left In: -24.303+/-85.365 χ^2/NDF:28.9/17

\+ sign -0.500+/-40.738 χ^2/NDF: 40.4/34

All: 6.354+/-29.672 χ^2/NDF: 87.7/71

\- 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: 325.114+/-0.060 χ^2/NDF:272868.7/18

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

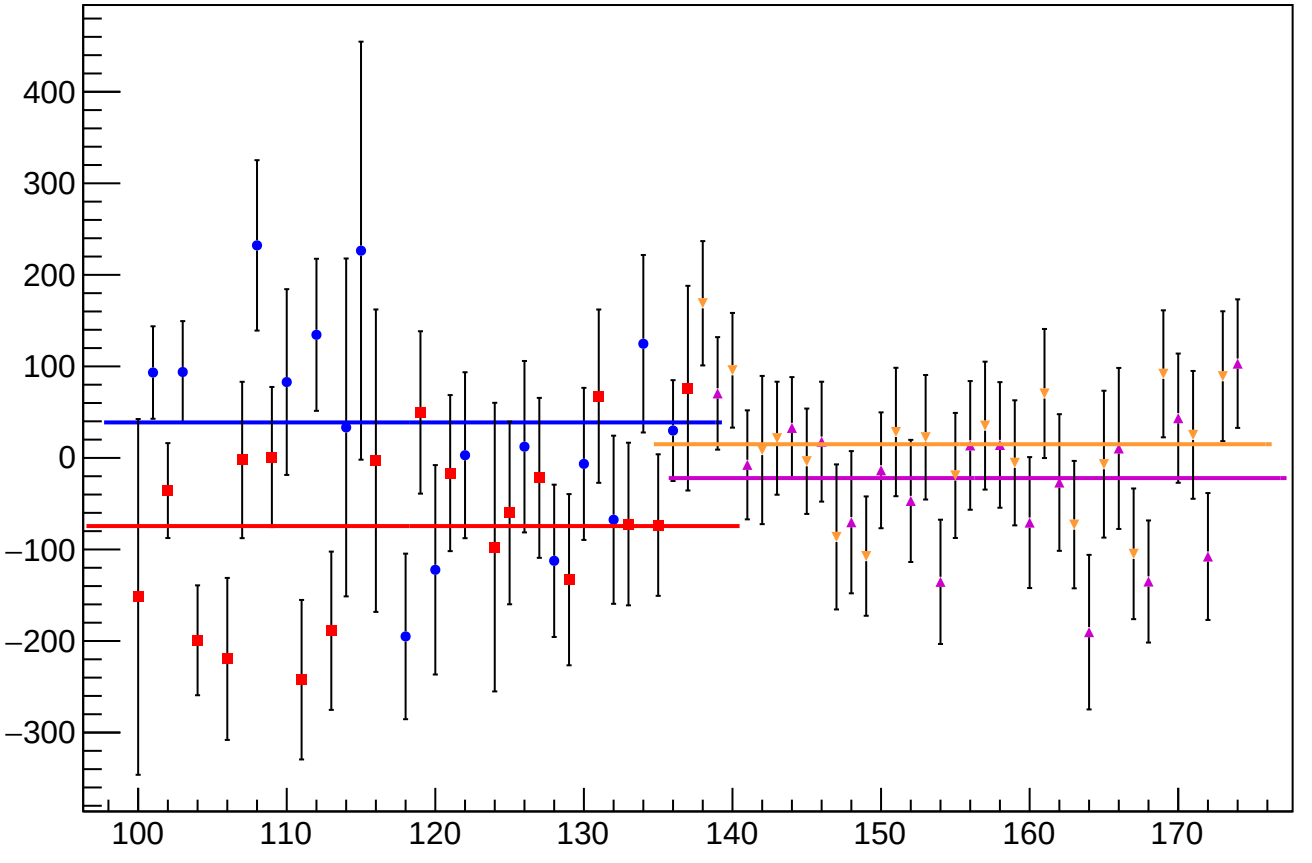
Left In: 326.582+/-0.060 χ^2/NDF:246682.3/17

+ sign 143.450+/-0.029 χ^2/NDF: 18917106.6/34

All: 153.286+/-0.021 χ^2/NDF: 34487187.0/71

- 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: 14.981+/-15.799 χ^2/NDF:20.0/18

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

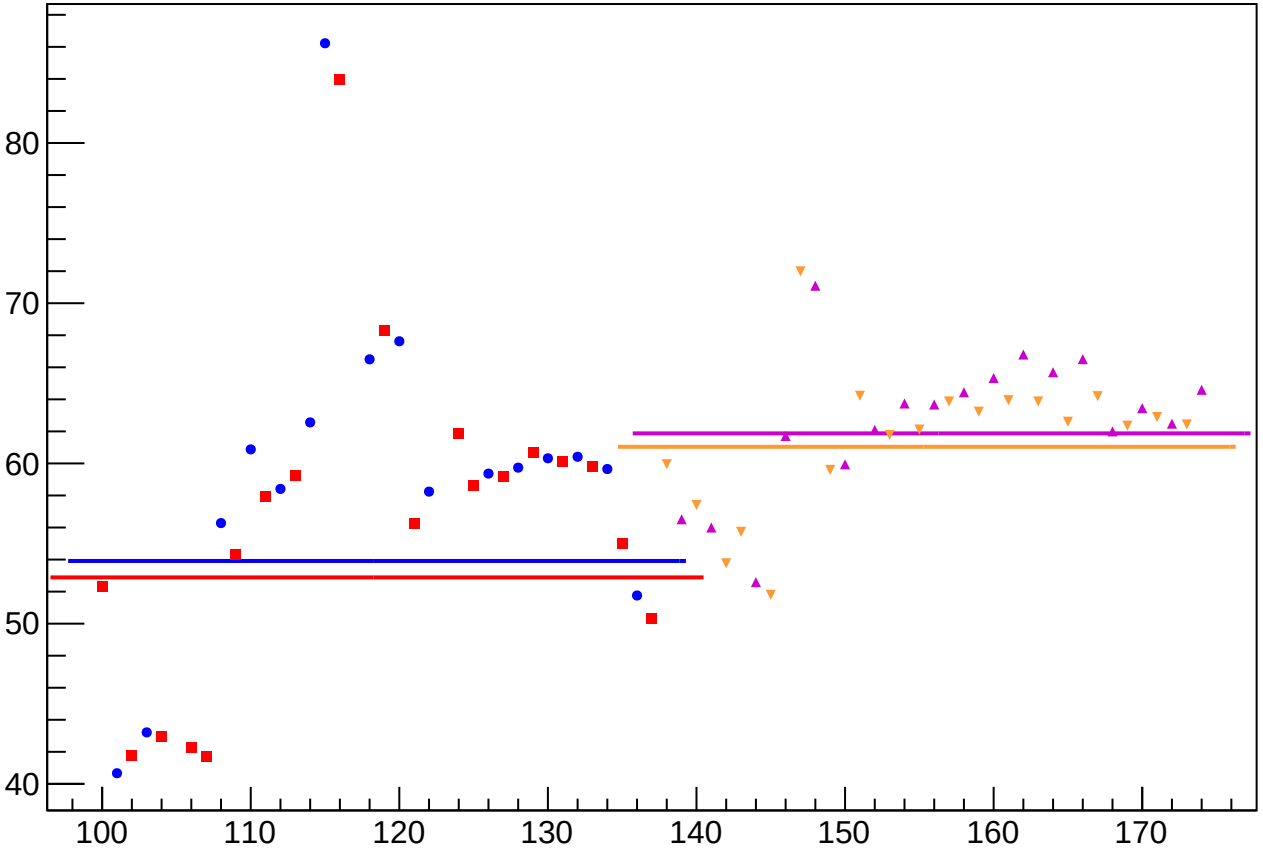
Left In: -22.023+/-16.101 χ^2/NDF:20.5/17

+ sign 23.902+/-12.494 χ^2/NDF: 44.1/34

All: -9.494+/-8.834 χ^2/NDF: 105.5/71

- 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: 61.039+/-0.011 χ^2/NDF:153327.7/18

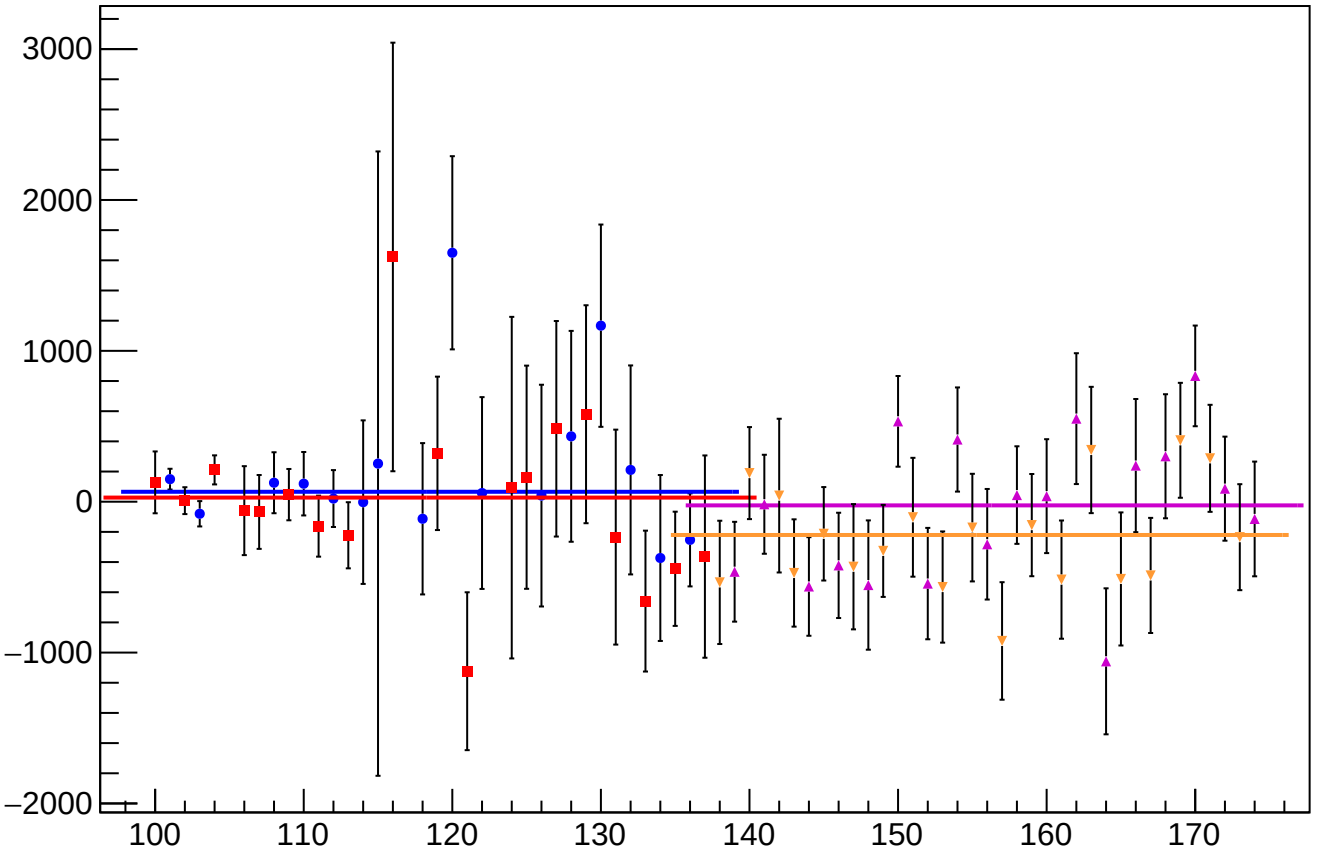
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.875+/-0.011 χ^2/NDF:153503.5/17

+ sign 58.369+/-0.009 χ^2/NDF: 699039.9/34

All: 58.334+/-0.006 χ^2/NDF: 1526188.1/71

- 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: -220.497+/-84.627 χ^2/NDF:15.9/18

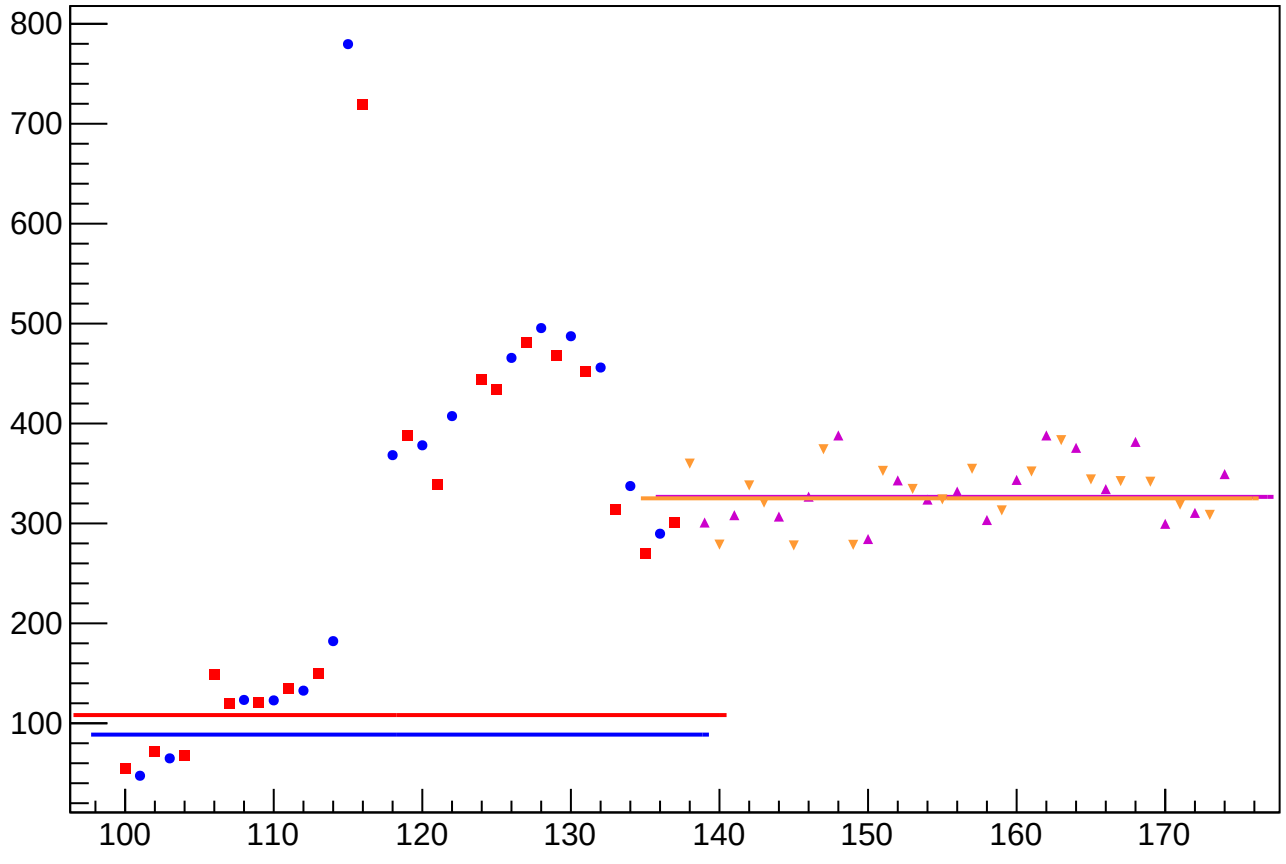
Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: -24.303+/-85.365 χ^2/NDF:28.9/17

+ sign -0.500+/-40.738 χ^2/NDF: 40.4/34

All: 6.354+/-29.672 χ^2/NDF: 87.7/71

- sign 14.100+/-43.303 χ^2/NDF: 47.2/36



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 325.114+/-0.060 χ^2/NDF:272868.7/18

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

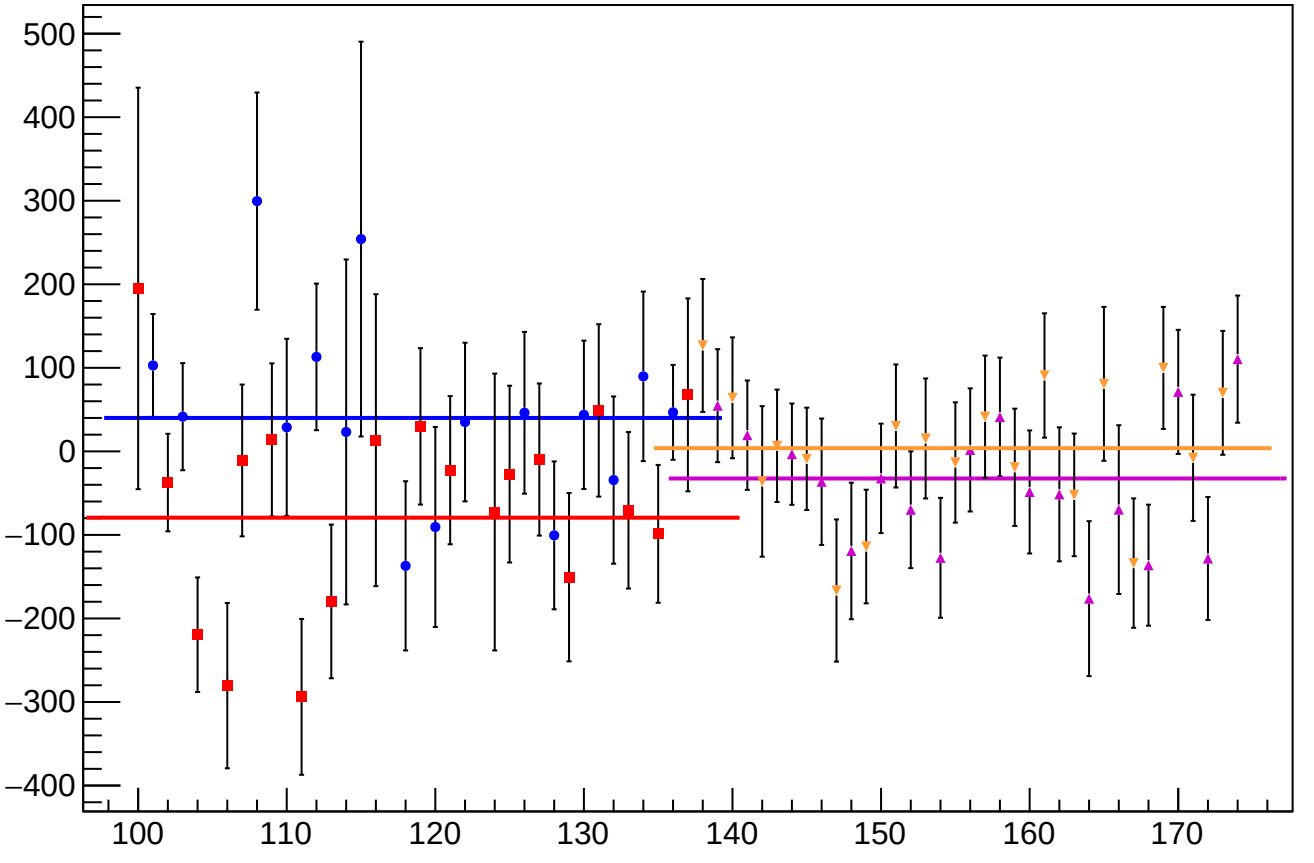
Left In: 326.582+/-0.060 χ^2/NDF:246682.3/17

+ sign 143.450+/-0.029 χ^2/NDF: 18917106.6/34

All: 153.286+/-0.021 χ^2/NDF: 34487187.0/71

- 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: 3.840+/-16.975 χ^2/NDF:19.3/18

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

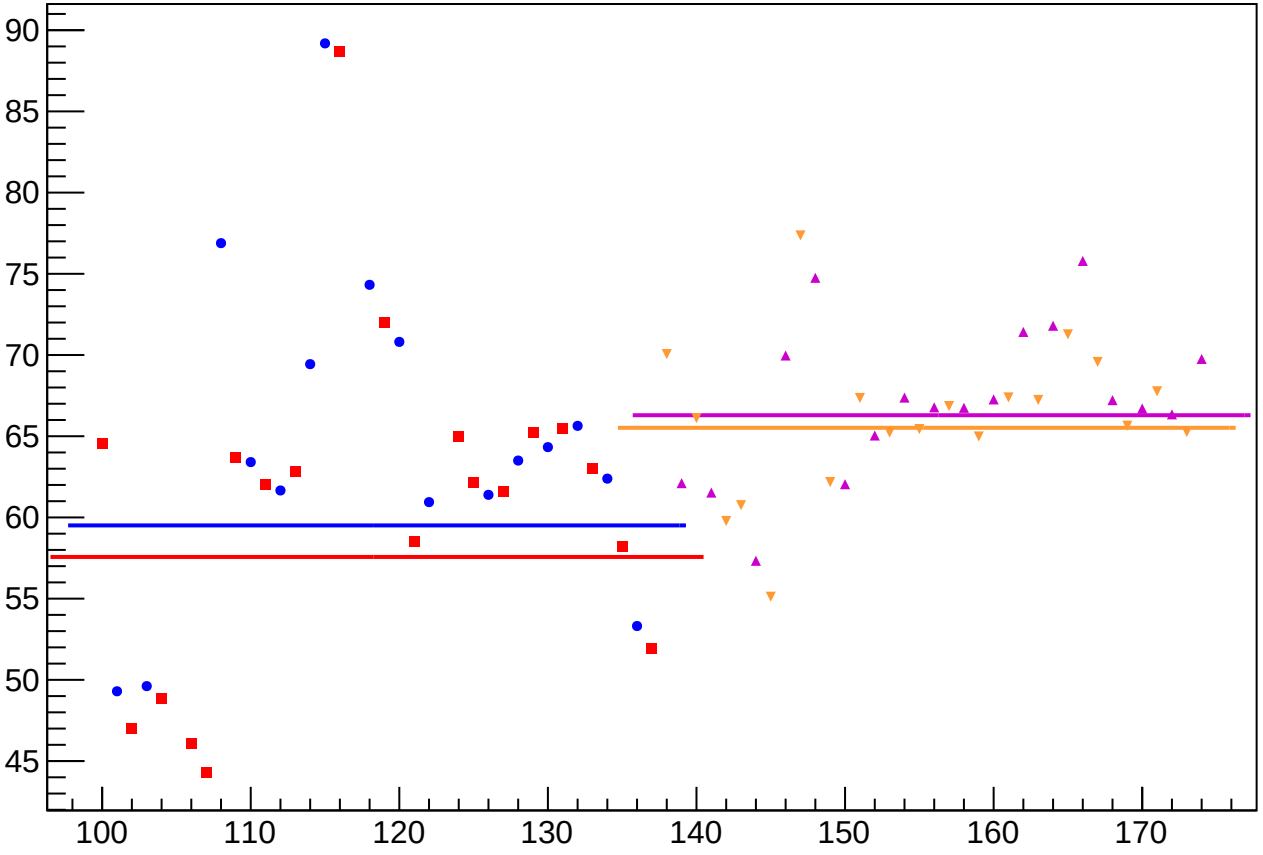
Left In: -32.460+/-17.287 χ^2/NDF:18.8/17

+ sign 16.956+/-13.554 χ^2/NDF: 35.1/34

All: -17.081+/-9.562 χ^2/NDF: 94.1/71

- 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: 65.520+/-0.012 χ^2/NDF:145520.2/18

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

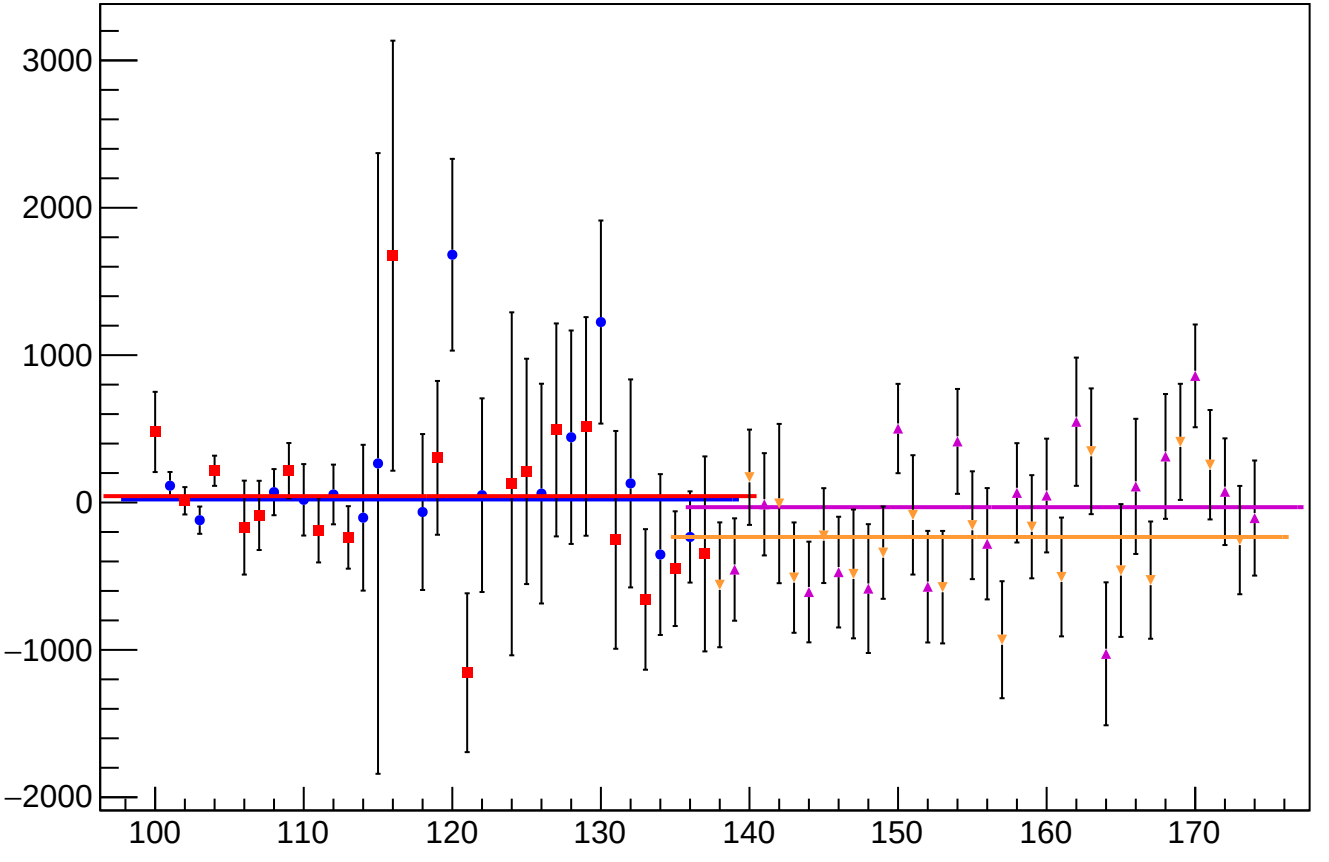
Left In: 66.293+/-0.012 χ^2/NDF:135658.6/17

+ sign 63.341+/-0.010 χ^2/NDF: 519603.8/34

All: 63.110+/-0.007 χ^2/NDF: 1203023.4/71

- 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: -233.845+/-87.808 χ^2/NDF:15.0/18

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

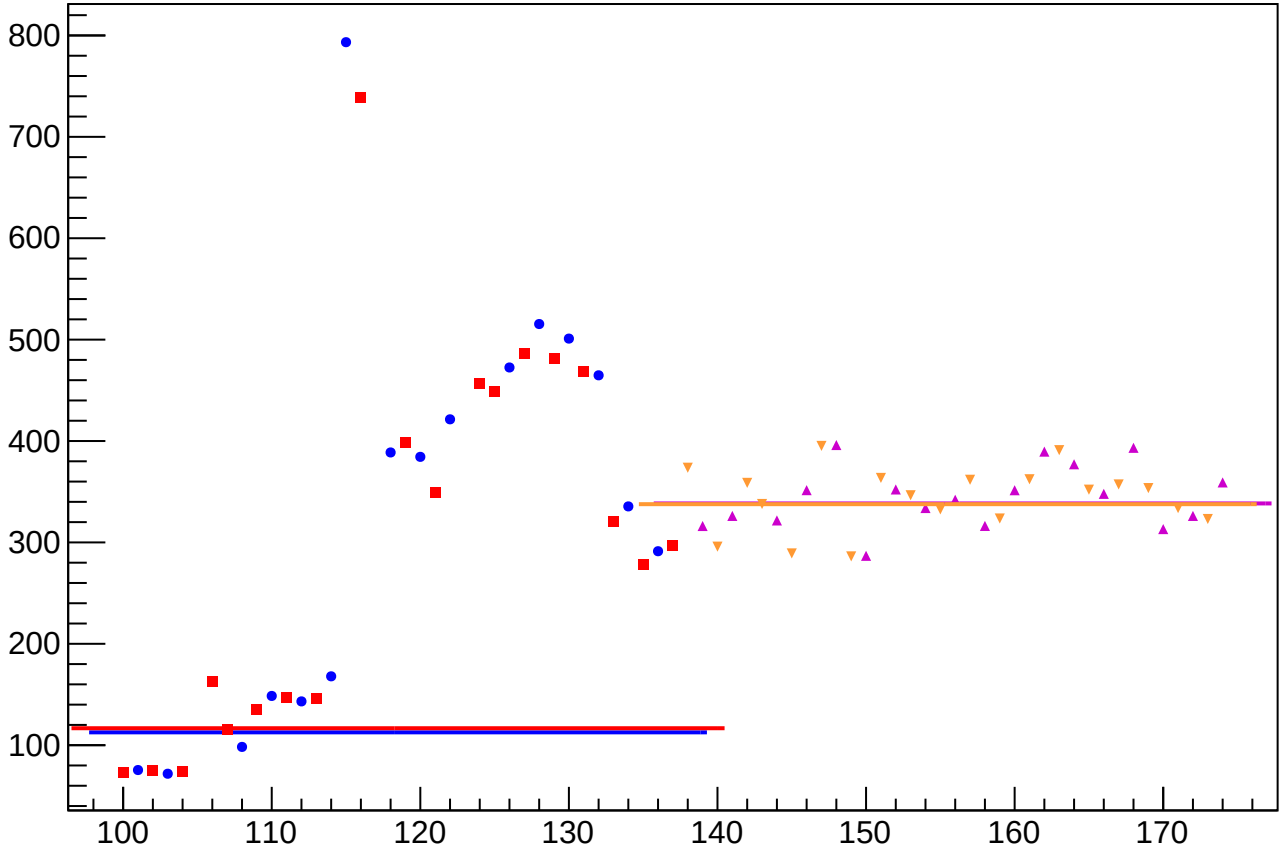
Left In: -31.574+/-88.373 χ^2/NDF:28.0/17

+ sign -48.270+/-45.741 χ^2/NDF: 35.7/34

All: -12.338+/-32.288 χ^2/NDF: 86.9/71

- 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: 337.714+/-0.062 χ^2/NDF:257416.1/18

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

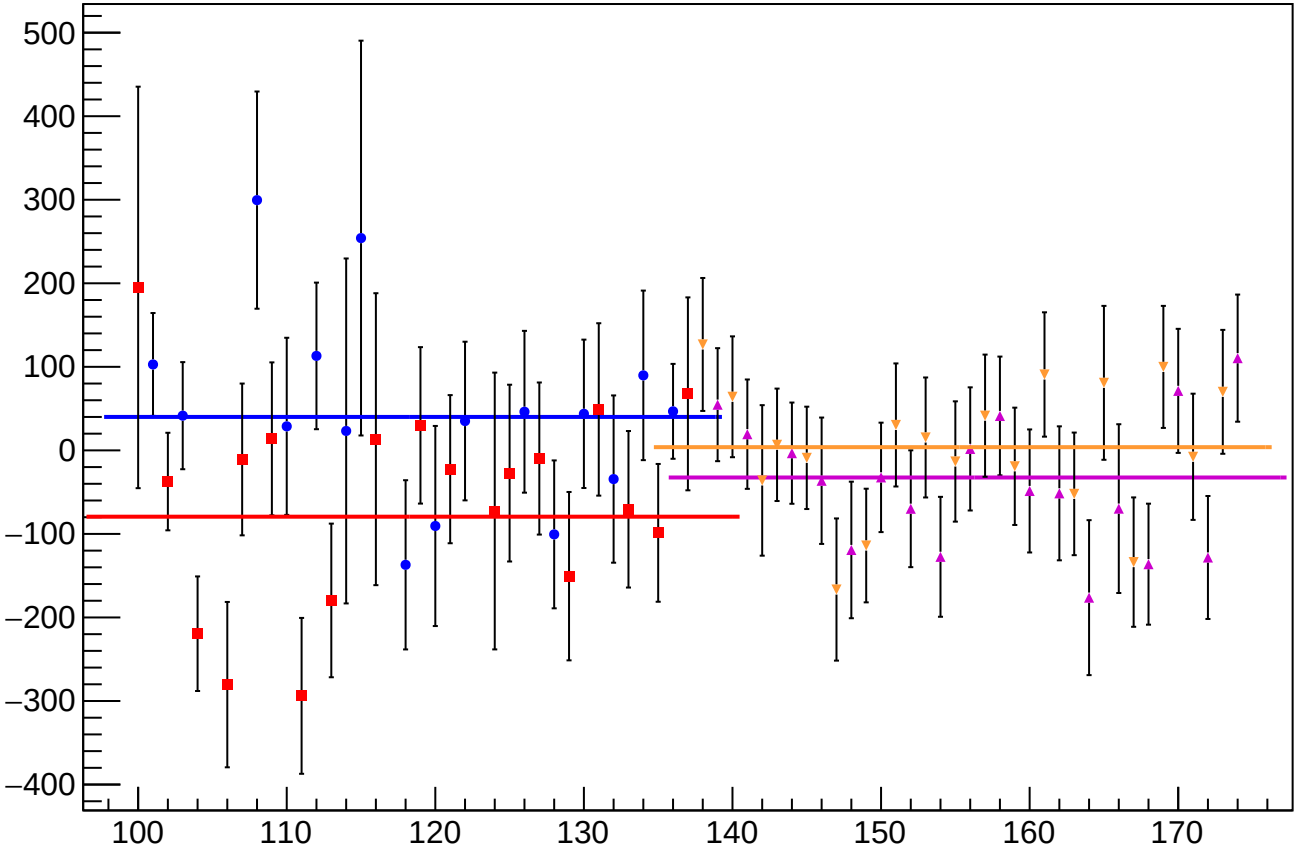
Left In: 338.438+/-0.062 χ^2/NDF:218092.1/17

+ sign 173.736+/-0.032 χ^2/NDF: 15429516.8/34

All: 174.733+/-0.023 χ^2/NDF: 30029226.4/71

- 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: 3.840+/-16.975 χ^2/NDF:19.3/18

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

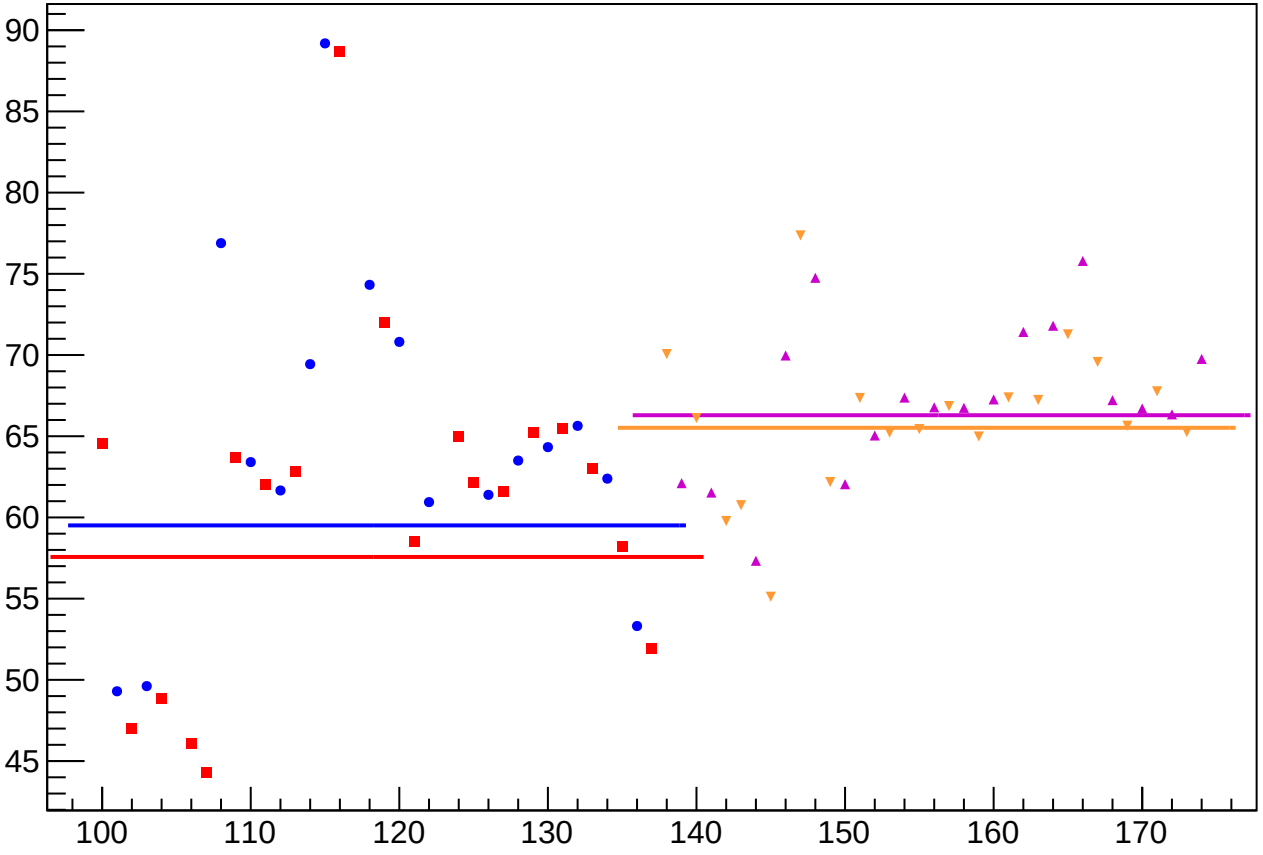
Left In: -32.460+/-17.287 χ^2/NDF:18.8/17

+ sign 16.957+/-13.554 χ^2/NDF: 35.1/34

All: -17.081+/-9.562 χ^2/NDF: 94.1/71

- 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: 65.520+/-0.012 χ^2/NDF:145522.2/18

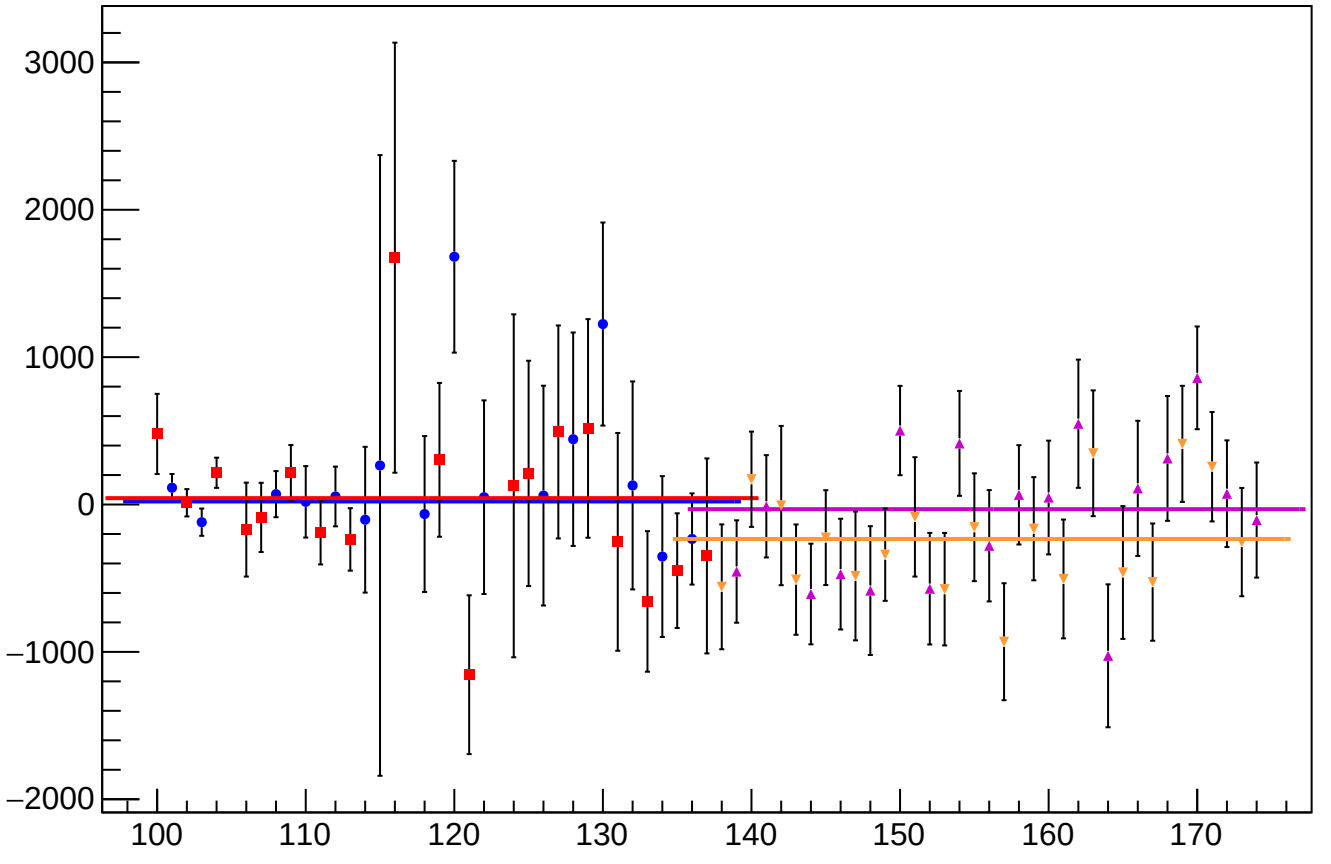
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 66.293+/-0.012 χ^2/NDF:135655.2/17

+ sign 63.341+/-0.010 χ^2/NDF: 519609.8/34

All: 63.110+/-0.007 χ^2/NDF: 1203033.2/71

- 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: -233.844+/-87.808 χ^2/NDF:15.0/18

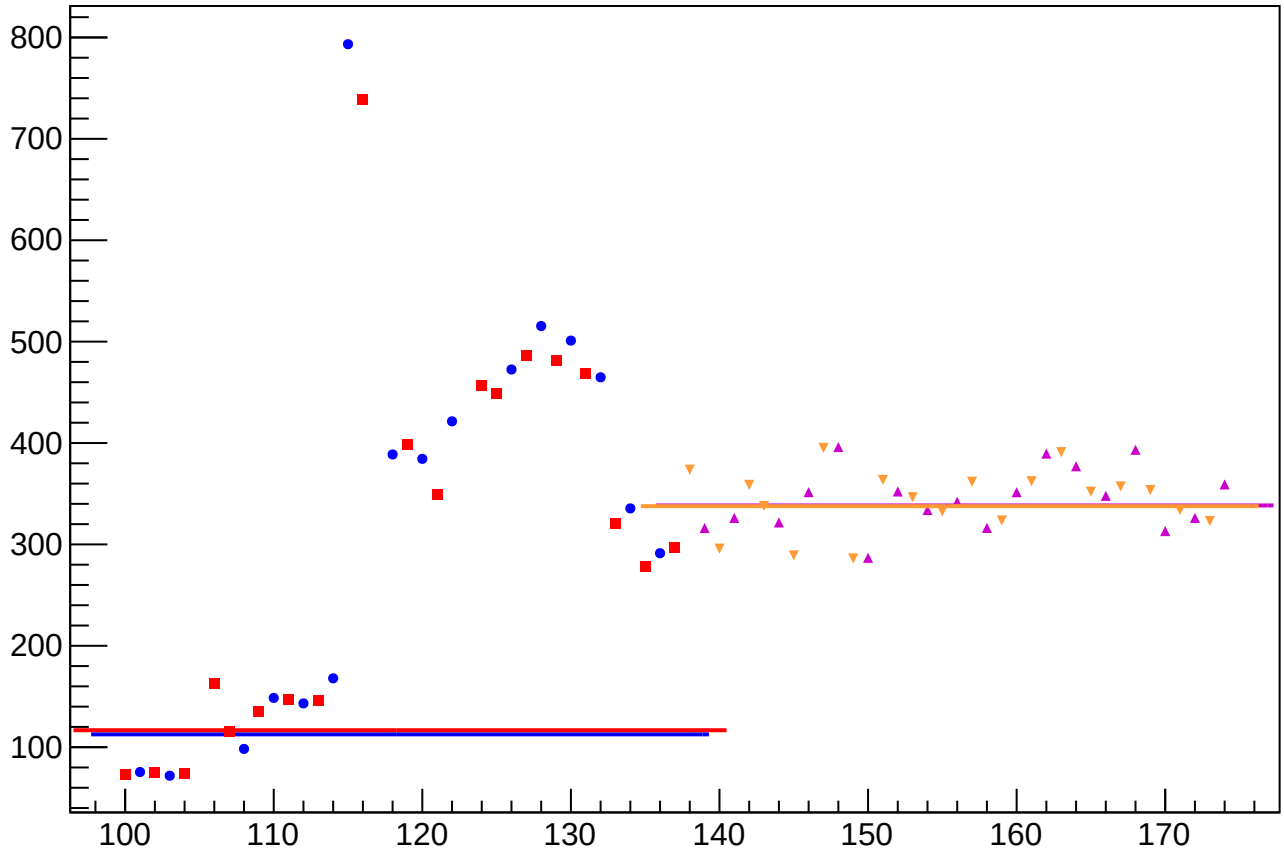
Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: -31.573+/-88.373 χ^2/NDF:28.0/17

+ sign -48.270+/-45.741 χ^2/NDF: 35.7/34

All: -12.338+/-32.288 χ^2/NDF: 86.9/71

- 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: 337.715+/-0.062 χ^2/NDF:257414.1/18

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

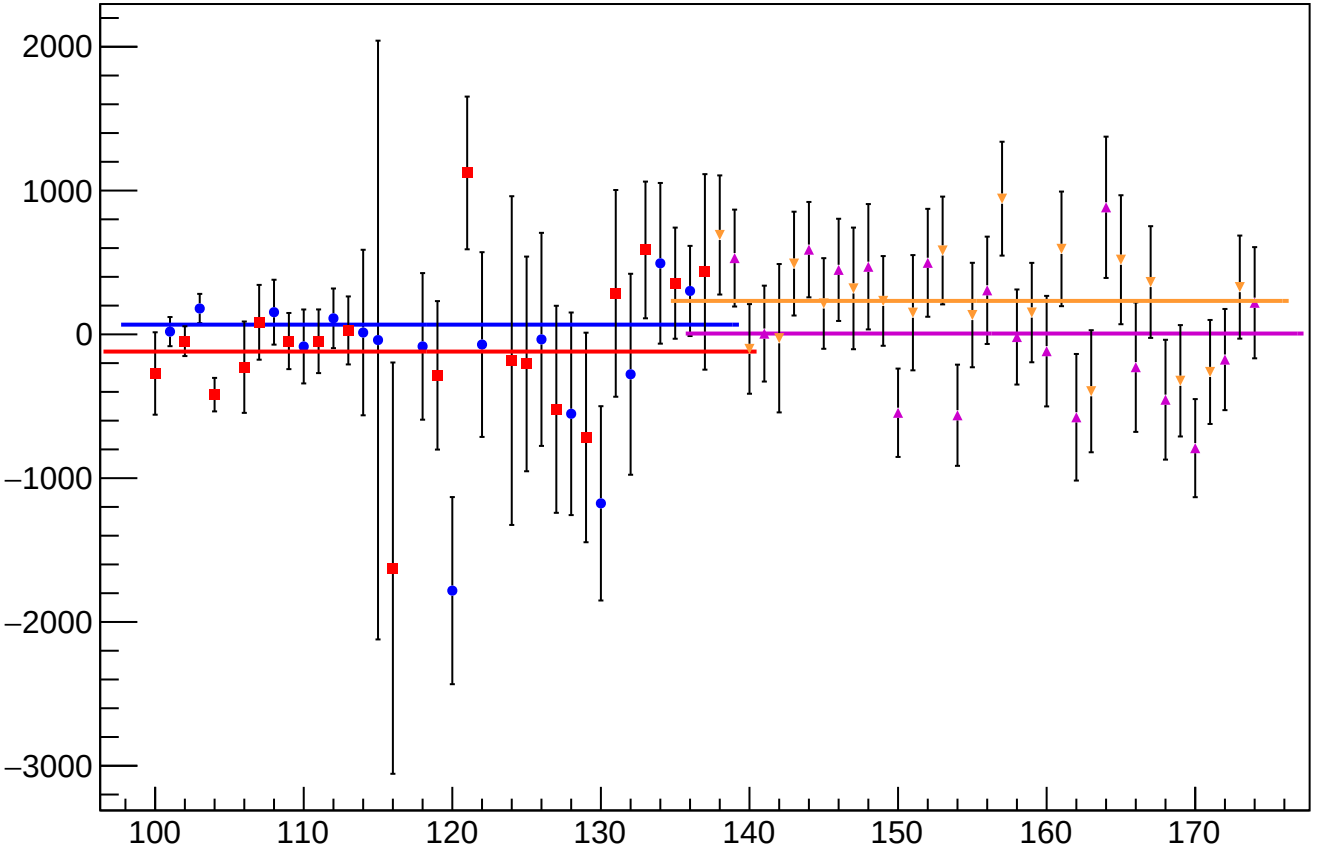
Left In: 338.439+/-0.062 χ^2/NDF:218087.1/17

+ sign 173.735+/-0.032 χ^2/NDF: 15429575.9/34

All: 174.732+/-0.023 χ^2/NDF: 30029357.9/71

- 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: 232.683+/-86.157 χ^2/NDF:15.0/18

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

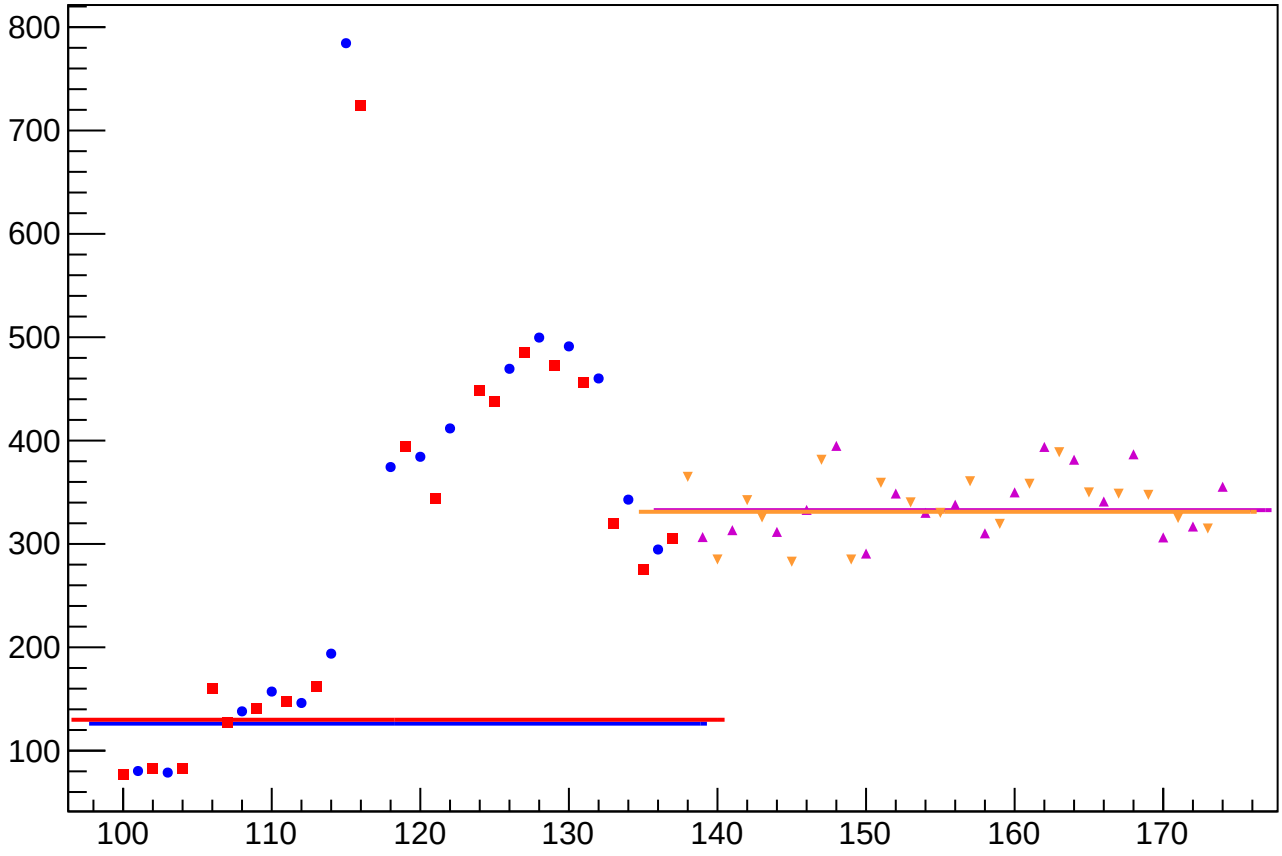
Left In: 5.765+/-86.938 χ^2/NDF:29.0/17

+ sign 120.521+/-48.775 χ^2/NDF: 33.3/34

All: 18.563+/-34.289 χ^2/NDF: 93.4/71

- 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: 331.120+/-0.061 χ^2/NDF:263957.4/18

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

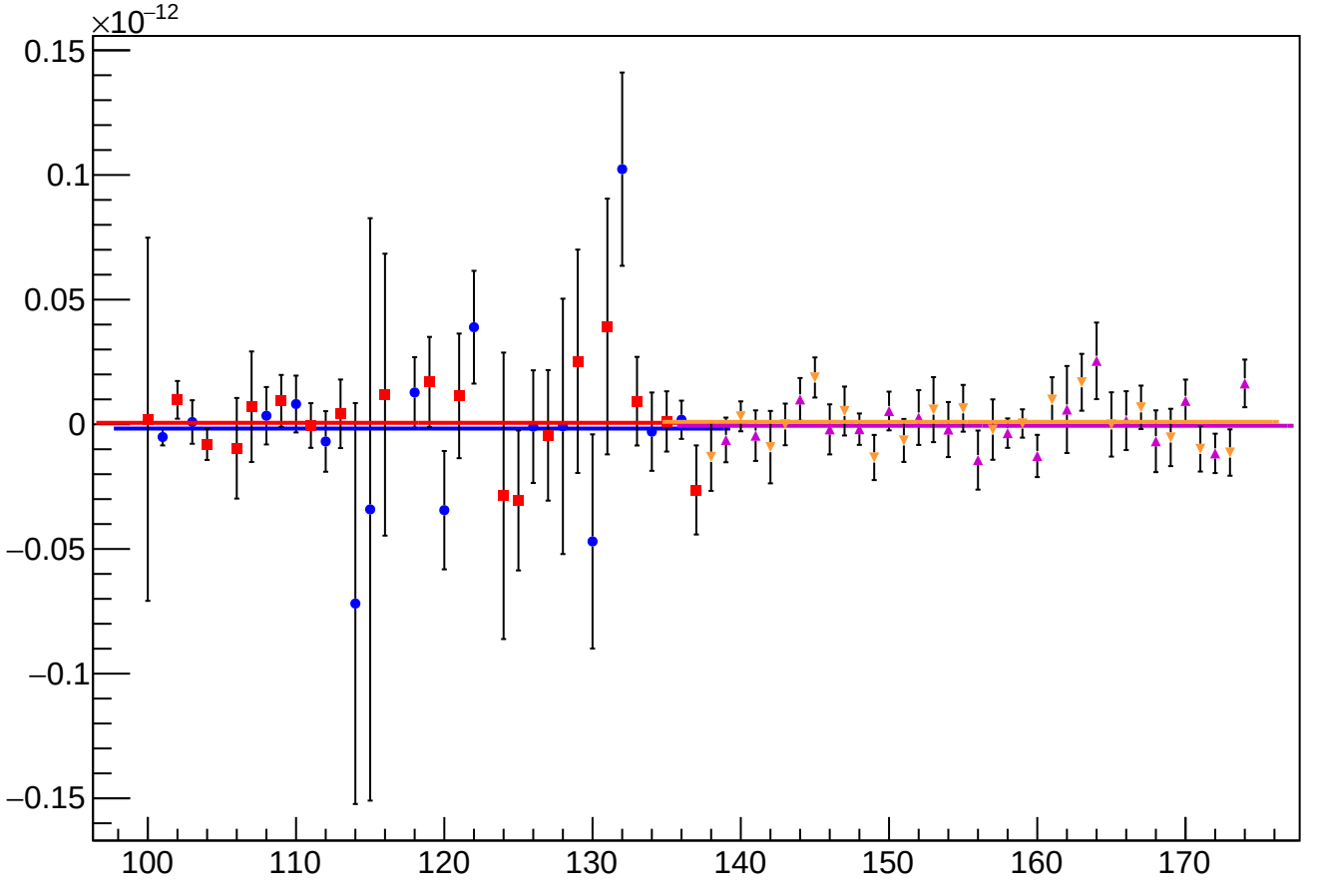
Left In: 332.716+/-0.061 χ^2/NDF:237714.1/17

+ sign 191.843+/-0.034 χ^2/NDF: 13175681.9/34

All: 192.068+/-0.024 χ^2/NDF: 25597015.2/71

- sign 192.289+/-0.034 χ^2/NDF: 12421248.6/36

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.4/18

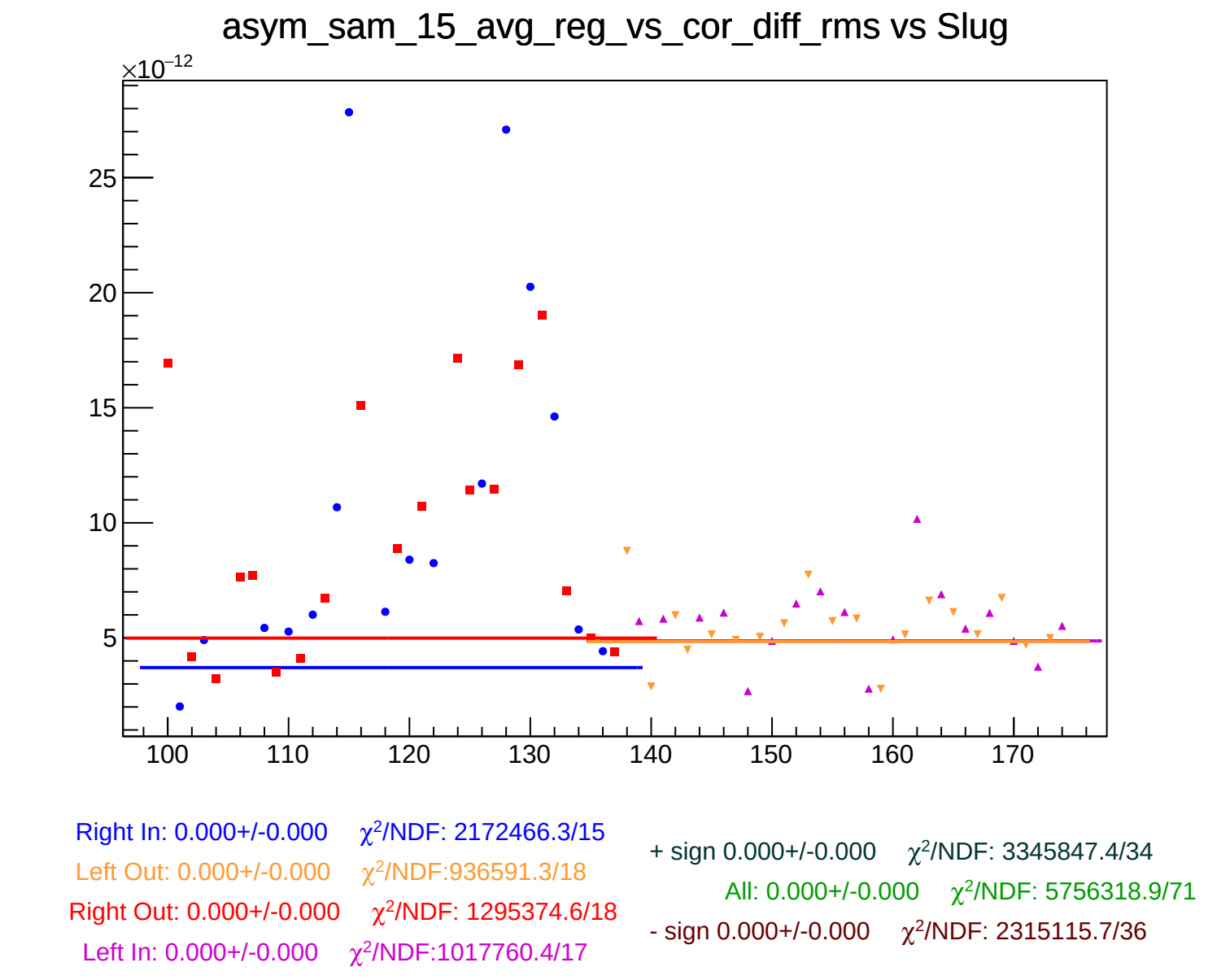
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/17

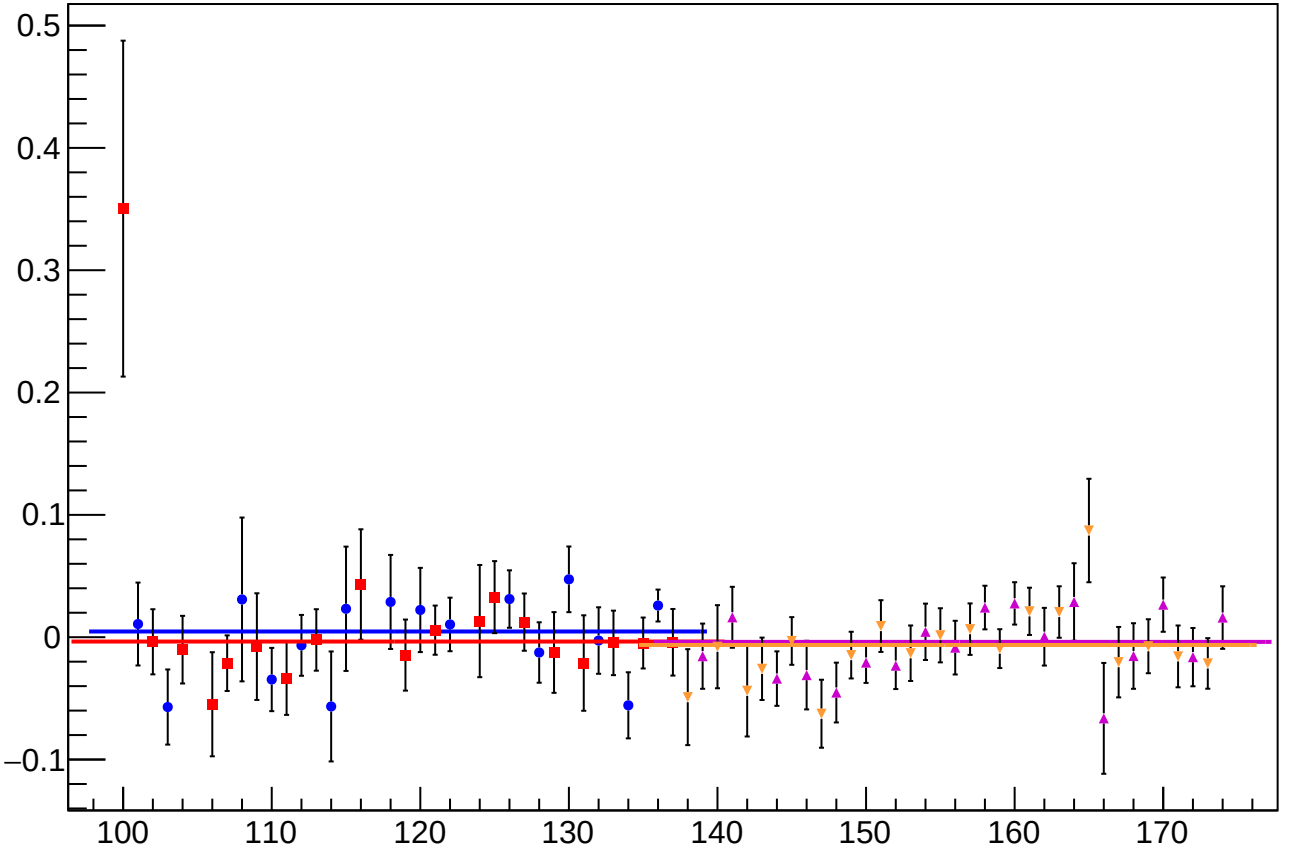
+ sign -0.000+/-0.000 χ^2/NDF: 35.8/34

All: -0.000+/-0.000 χ^2/NDF: 62.7/71

- sign -0.000+/-0.000 χ^2/NDF: 26.9/36


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
25
20
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:936591.3/18
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: 3345847.4/34
All: 0.000+/-0.000 χ²/NDF: 5756318.9/71
- 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:17.7/18

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

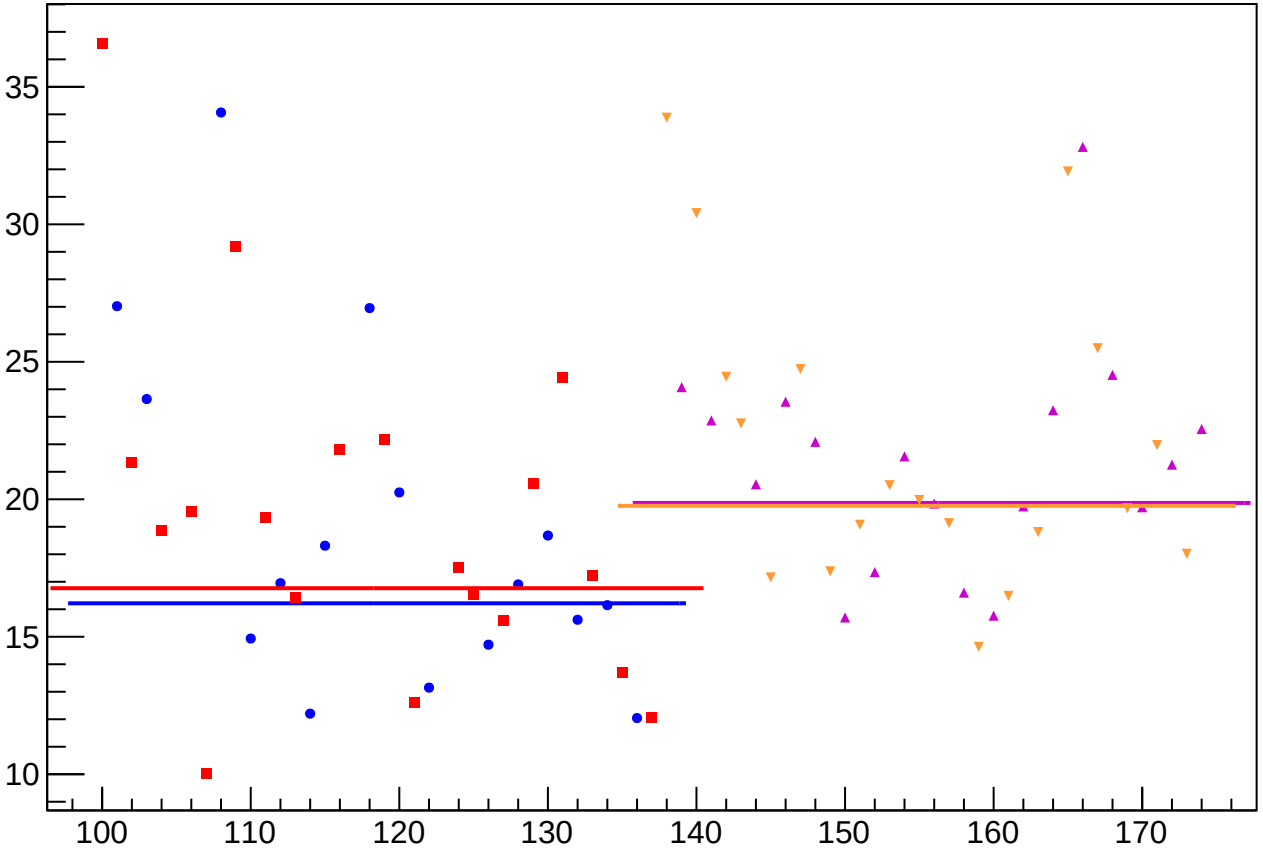
Left In: -0.004+/-0.005 χ^2/NDF:20.4/17

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/34

All: -0.003+/-0.003 χ^2/NDF: 75.0/71

- 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: 19.761+/-0.004 χ^2/NDF:1196356.2/18

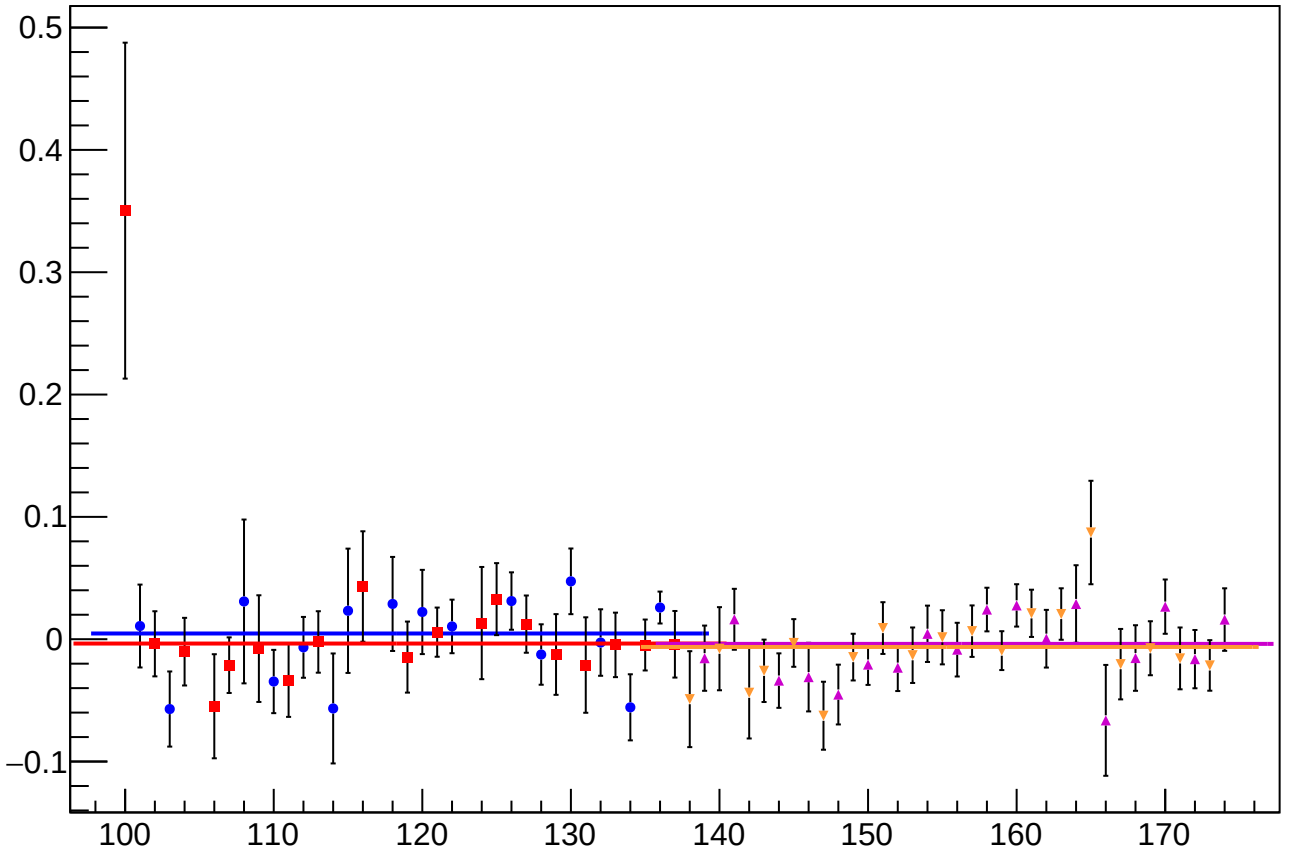
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.867+/-0.004 χ^2/NDF:757211.0/17

+ sign 18.362+/-0.003 χ^2/NDF: 2493066.8/34

All: 18.499+/-0.002 χ^2/NDF: 4386071.9/71

- 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:17.7/18

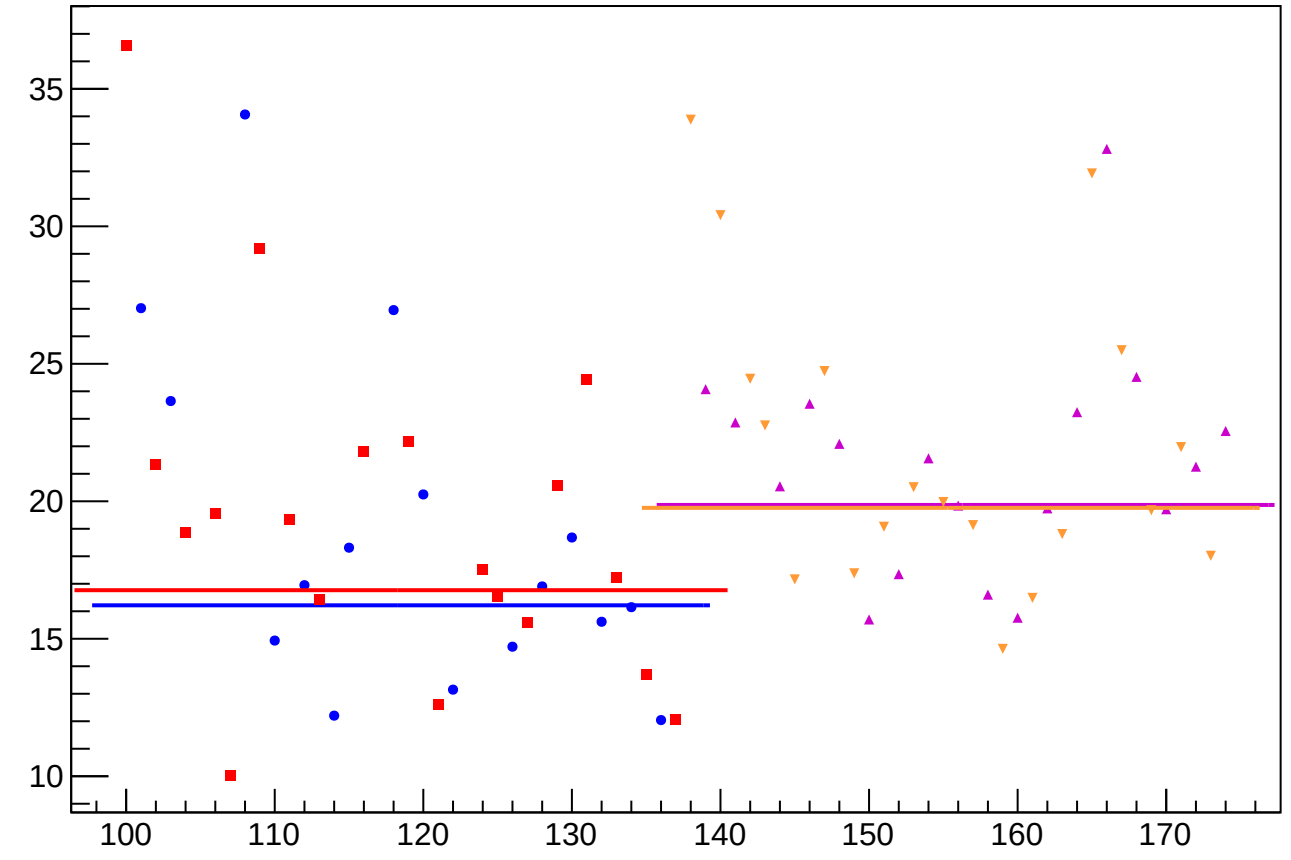
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.005 χ^2/NDF:20.4/17

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/34

All: -0.003+/-0.003 χ^2/NDF: 75.0/71

- sign -0.004+/-0.004 χ^2/NDF: 34.0/36



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.761+/-0.004 χ^2/NDF:1196356.2/18

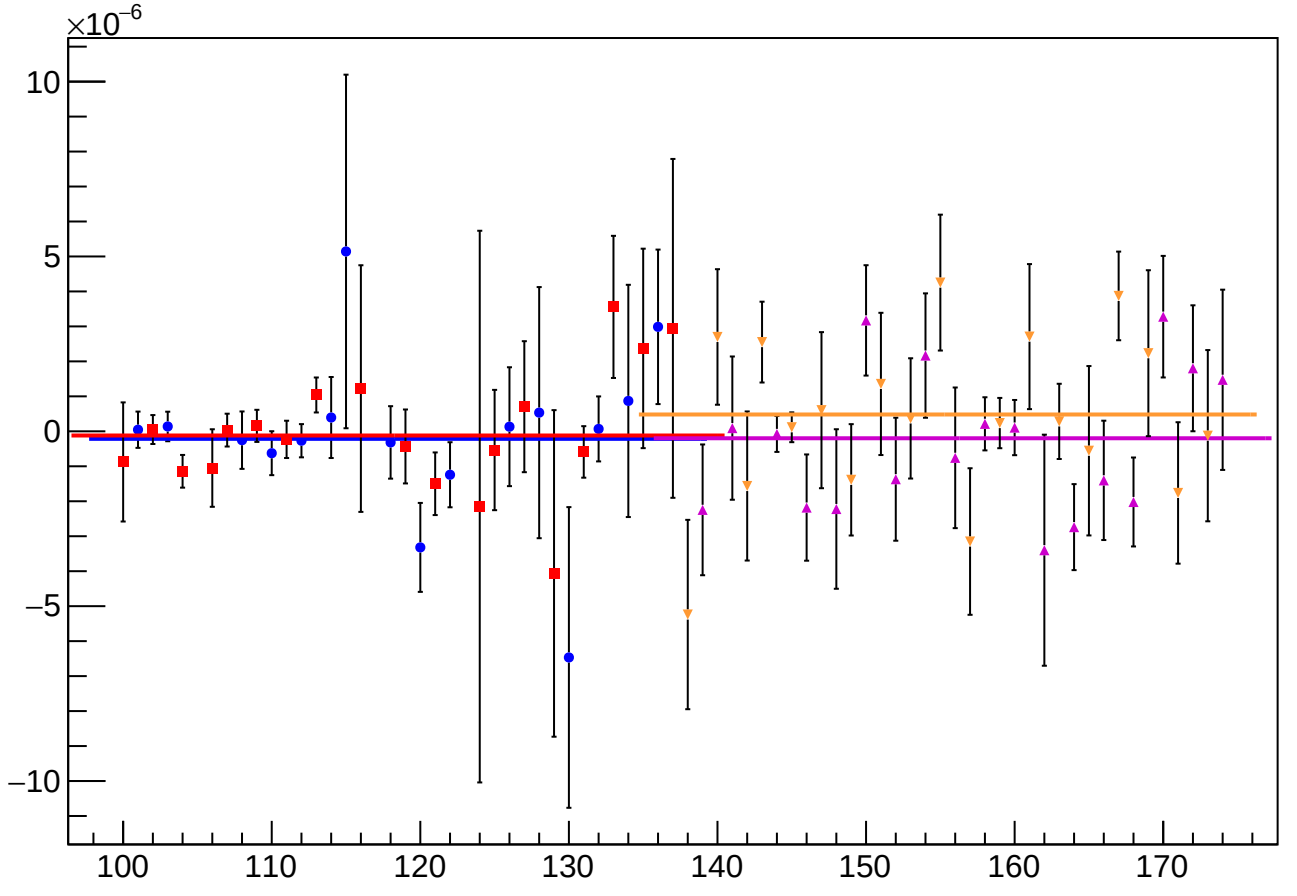
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.867+/-0.004 χ^2/NDF:757211.0/17

+ sign 18.362+/-0.003 χ^2/NDF: 2493066.8/34

All: 18.499+/-0.002 χ^2/NDF: 4386071.9/71

- sign 18.640+/-0.003 χ^2/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:29.5/18

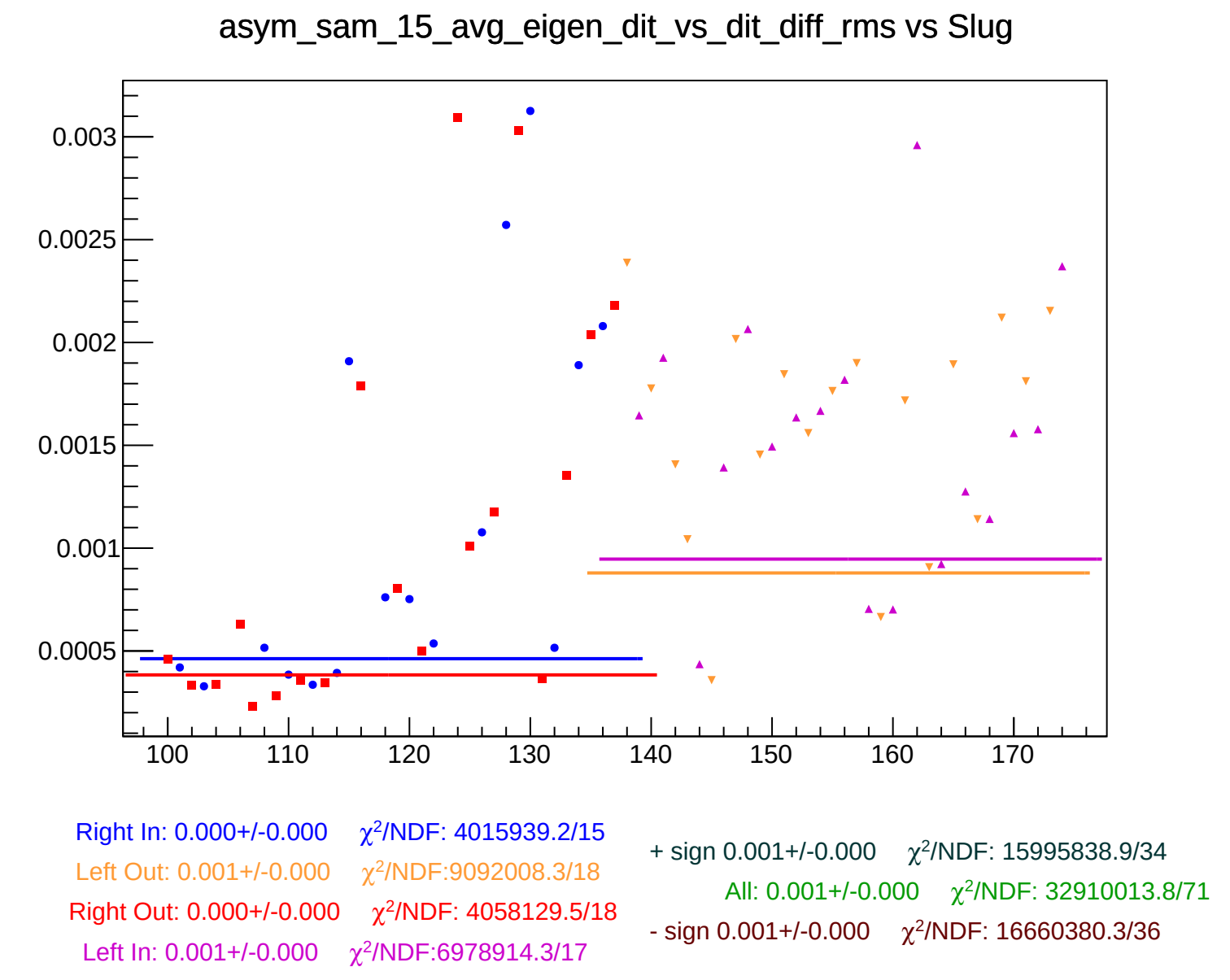
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

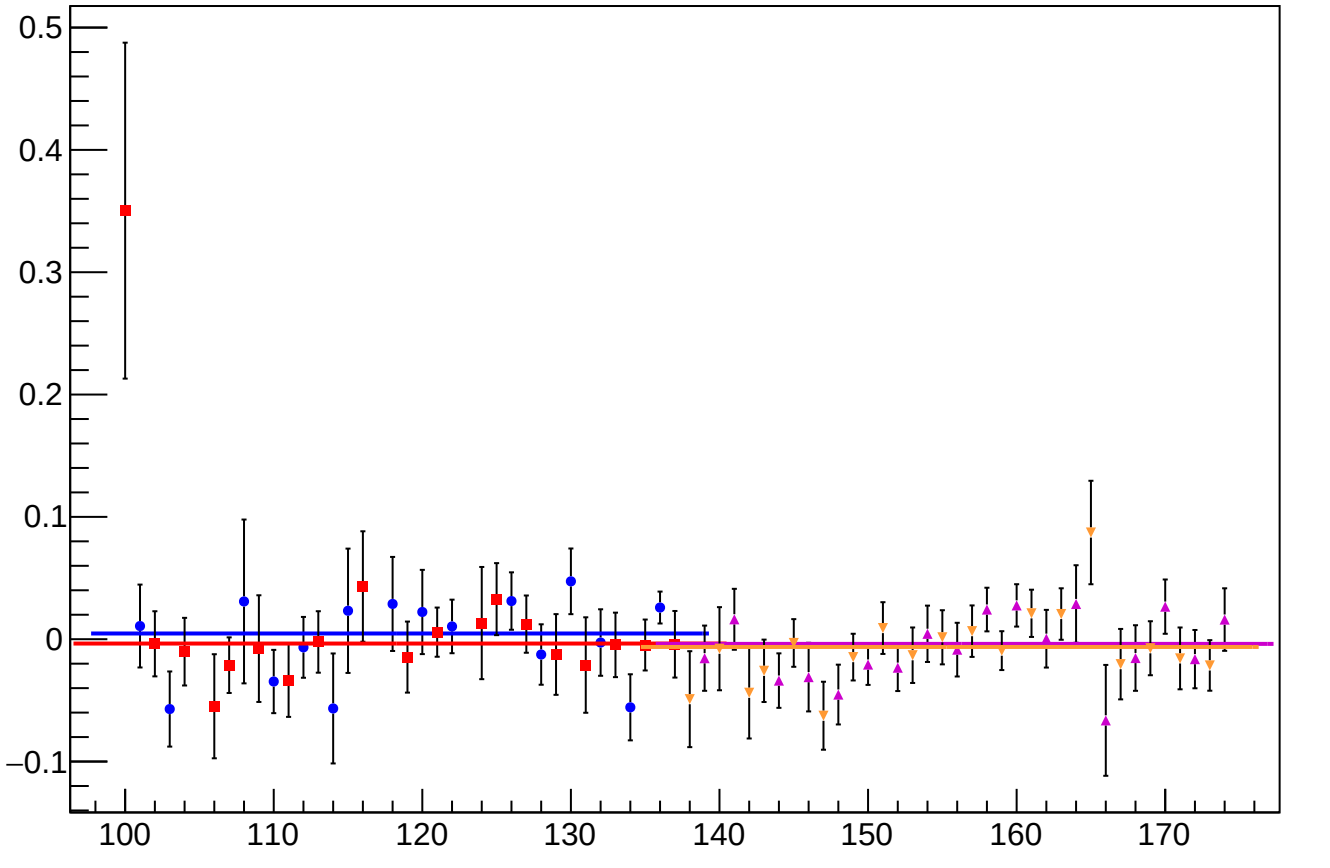
Left In: -0.000+/-0.000 χ^2/NDF:24.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 48.0/34

All: -0.000+/-0.000 χ^2/NDF: 93.3/71

- 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:9092008.3/18
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: 15995838.9/34
All: 0.001+/-0.000 χ²/NDF: 32910013.8/71
- sign 0.001+/-0.000 χ²/NDF: 16660380.3/36



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.7/18

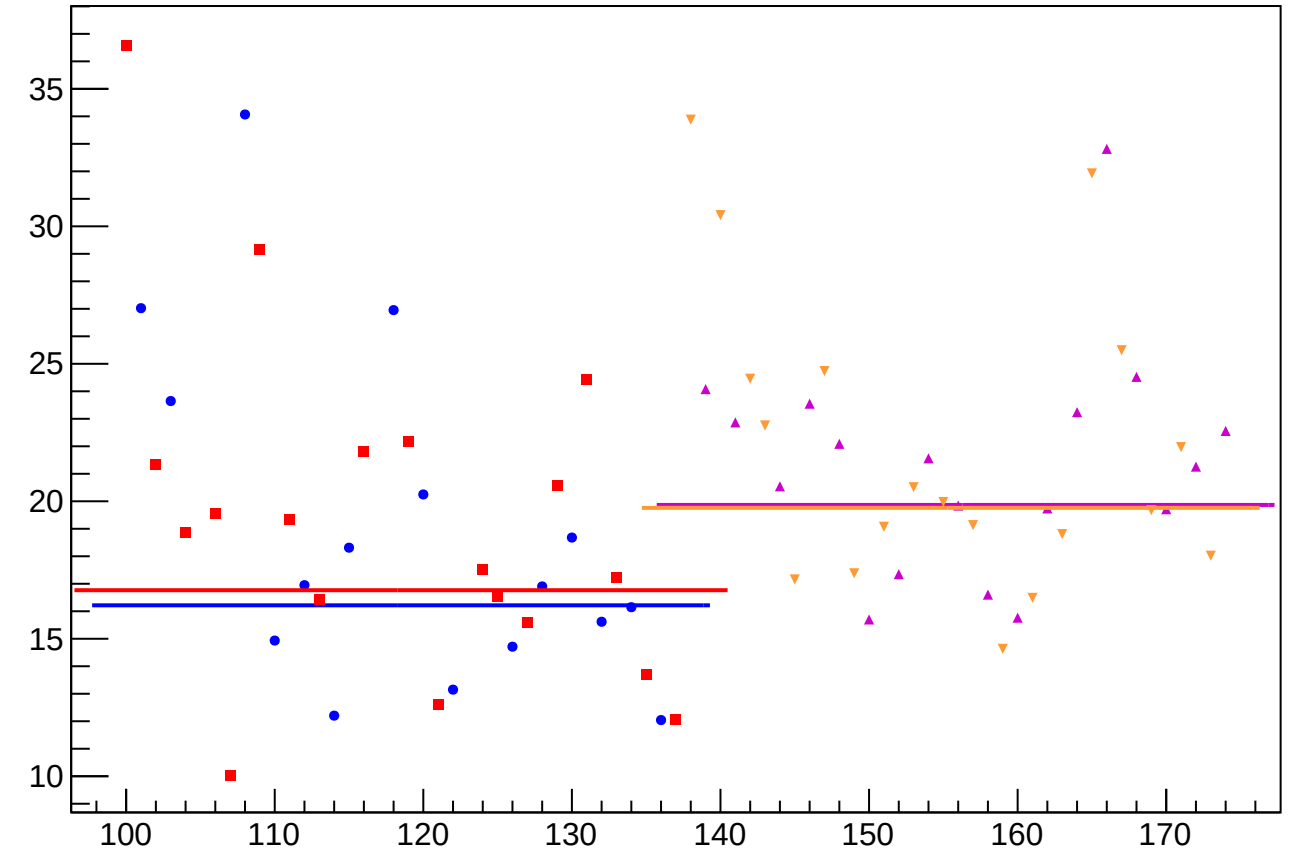
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.005 χ^2/NDF:20.4/17

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/34

All: -0.003+/-0.003 χ^2/NDF: 75.0/71

- 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: 19.762+/-0.004 χ^2/NDF:1196437.2/18

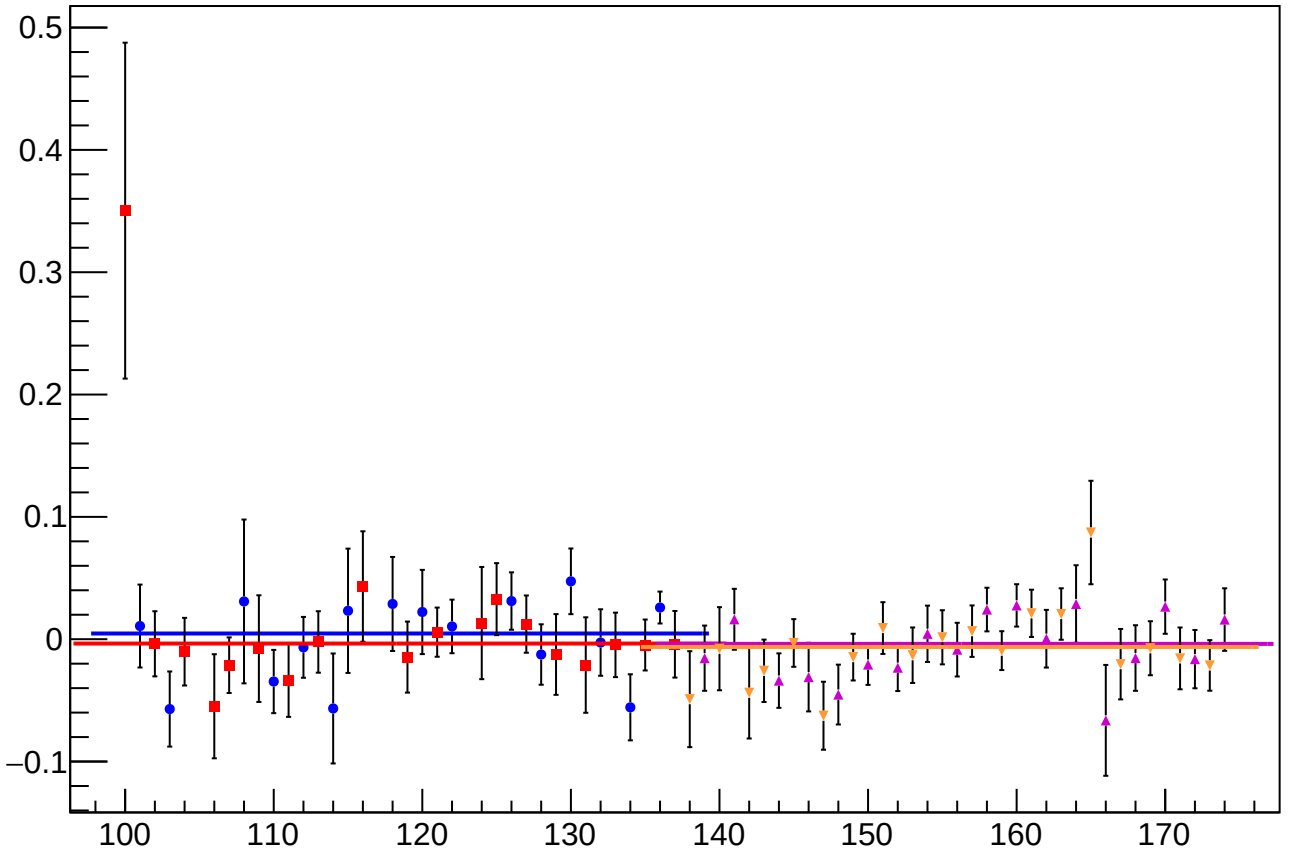
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.867+/-0.004 χ^2/NDF:757340.6/17

+ sign 18.362+/-0.003 χ^2/NDF: 2493177.2/34

All: 18.499+/-0.002 χ^2/NDF: 4386349.8/71

- 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:17.7/18

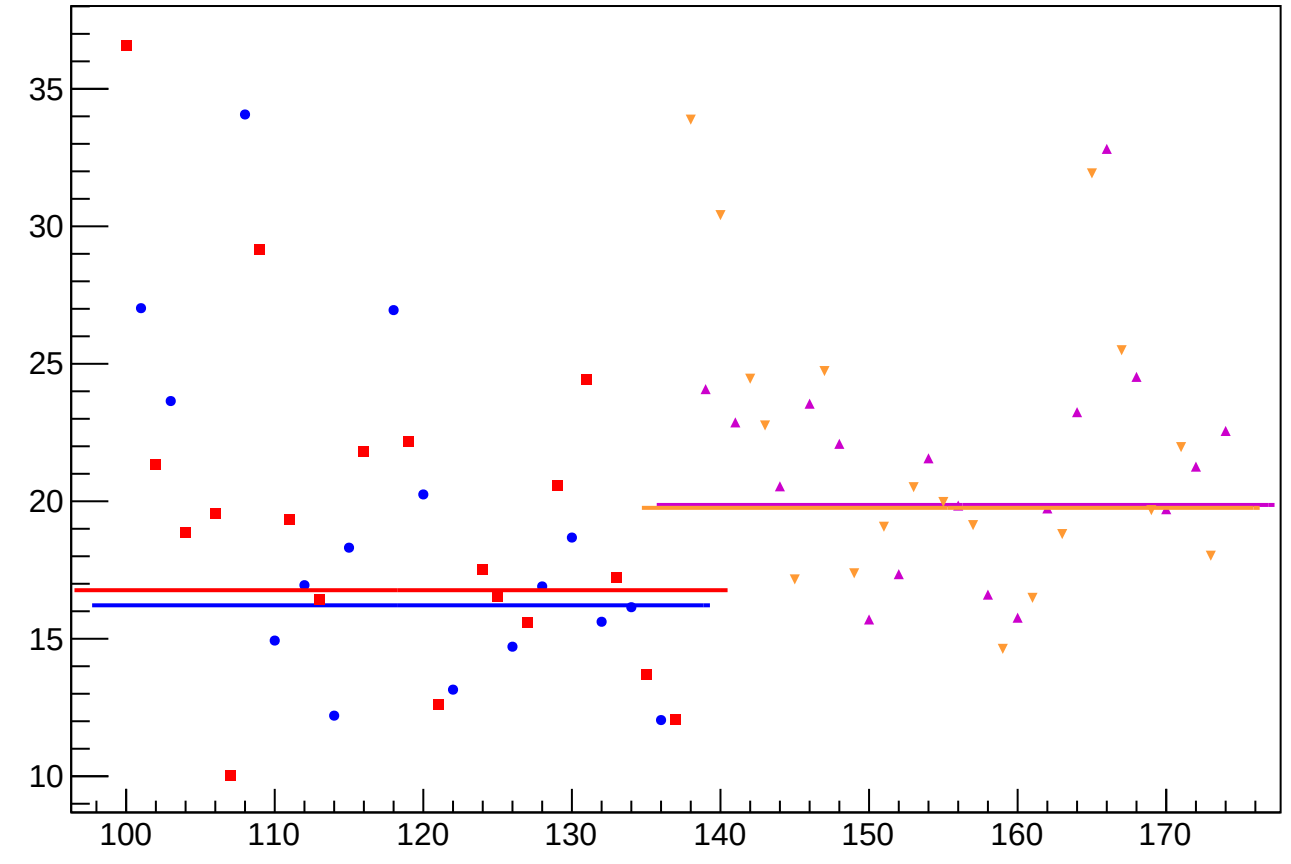
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.005 χ^2/NDF:20.4/17

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/34

All: -0.003+/-0.003 χ^2/NDF: 75.0/71

- 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: 19.762+/-0.004 χ^2/NDF:1196437.2/18

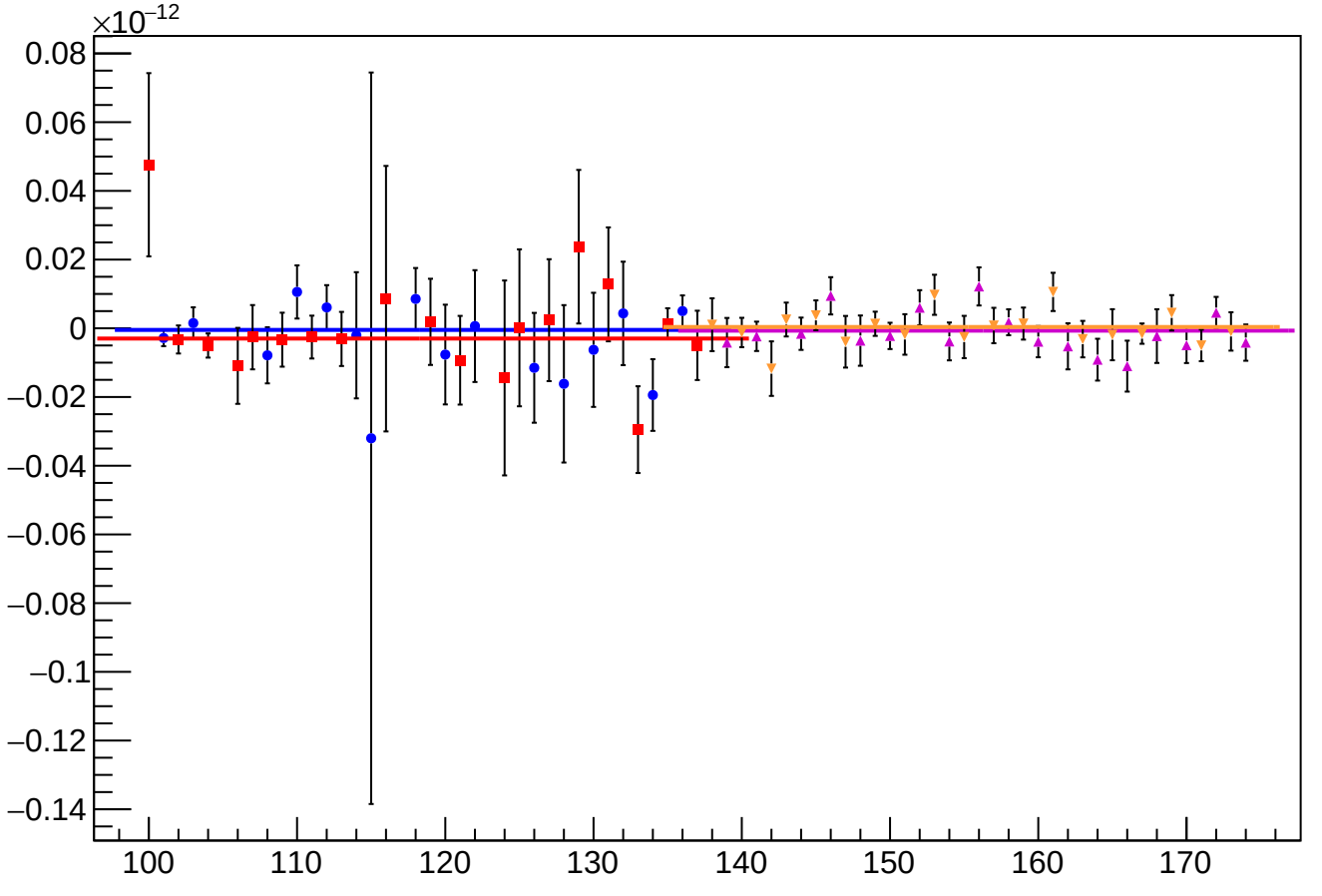
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.867+/-0.004 χ^2/NDF:757340.6/17

+ sign 18.362+/-0.003 χ^2/NDF: 2493177.2/34

All: 18.499+/-0.002 χ^2/NDF: 4386349.8/71

- 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:13.1/18

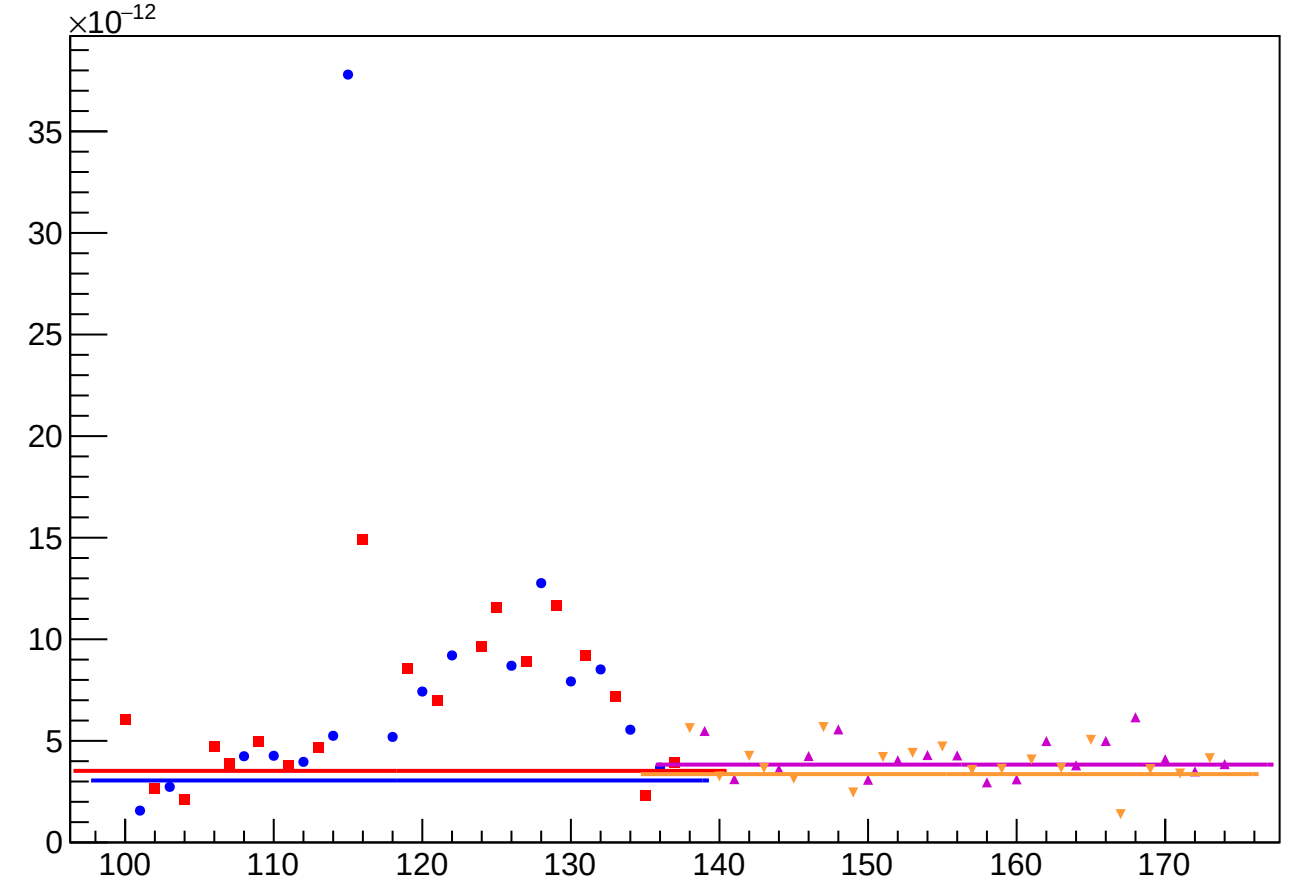
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:19.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 25.5/34

All: -0.000+/-0.000 χ^2/NDF: 60.2/71

- sign -0.000+/-0.000 χ^2/NDF: 33.5/36



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1821148.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

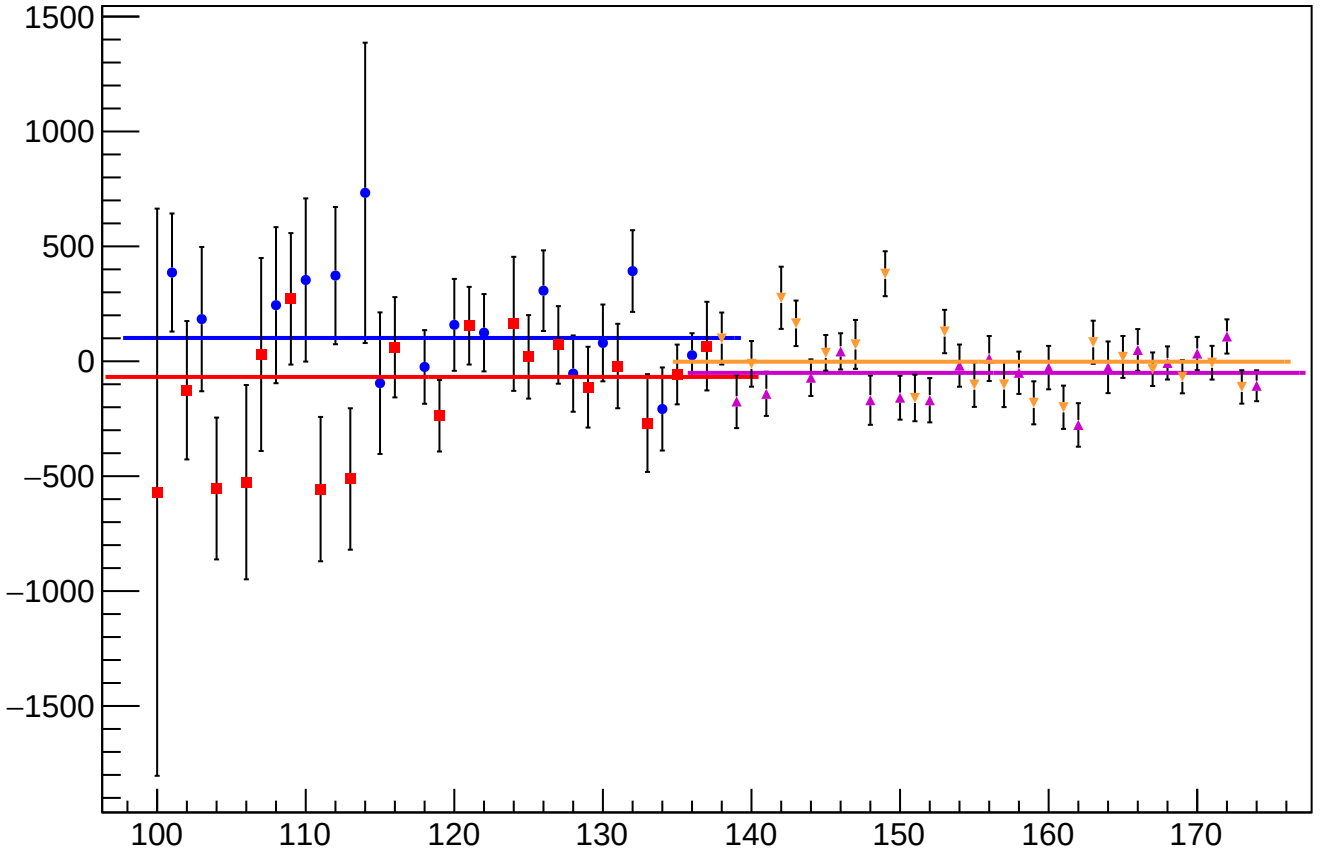
Left In: 0.000+/-0.000 χ^2/NDF:858474.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 4807607.1/34

All: 0.000+/-0.000 χ^2/NDF: 8500651.3/71

- sign 0.000+/-0.000 χ^2/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: -1.926+/-20.717 χ^2/NDF:42.6/18

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

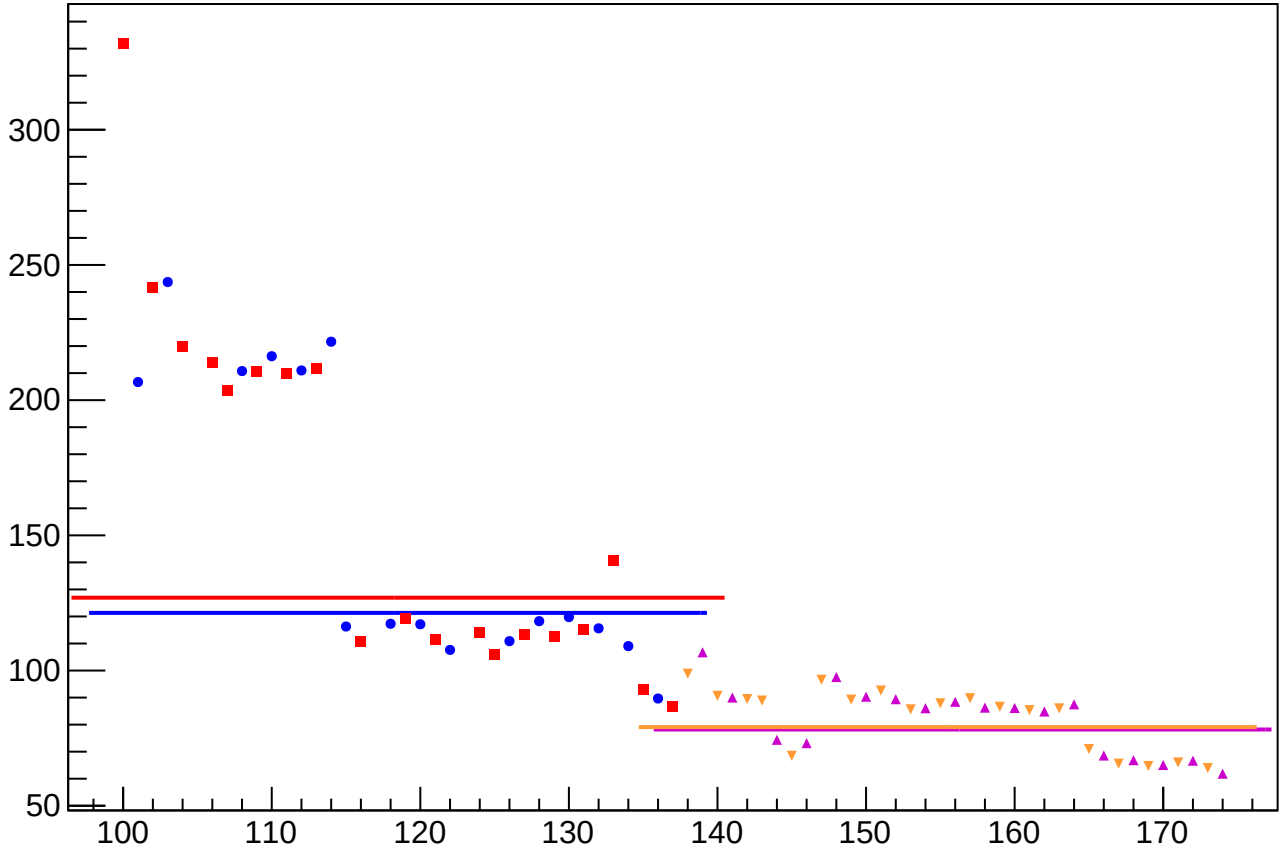
Left In: -50.465+/-20.608 χ^2/NDF:22.0/17

+ sign 14.521+/-18.998 χ^2/NDF: 59.9/34

All: -19.252+/-13.439 χ^2/NDF: 104.5/71

- 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: 79.086+/-0.015 χ^2/NDF:664947.5/18

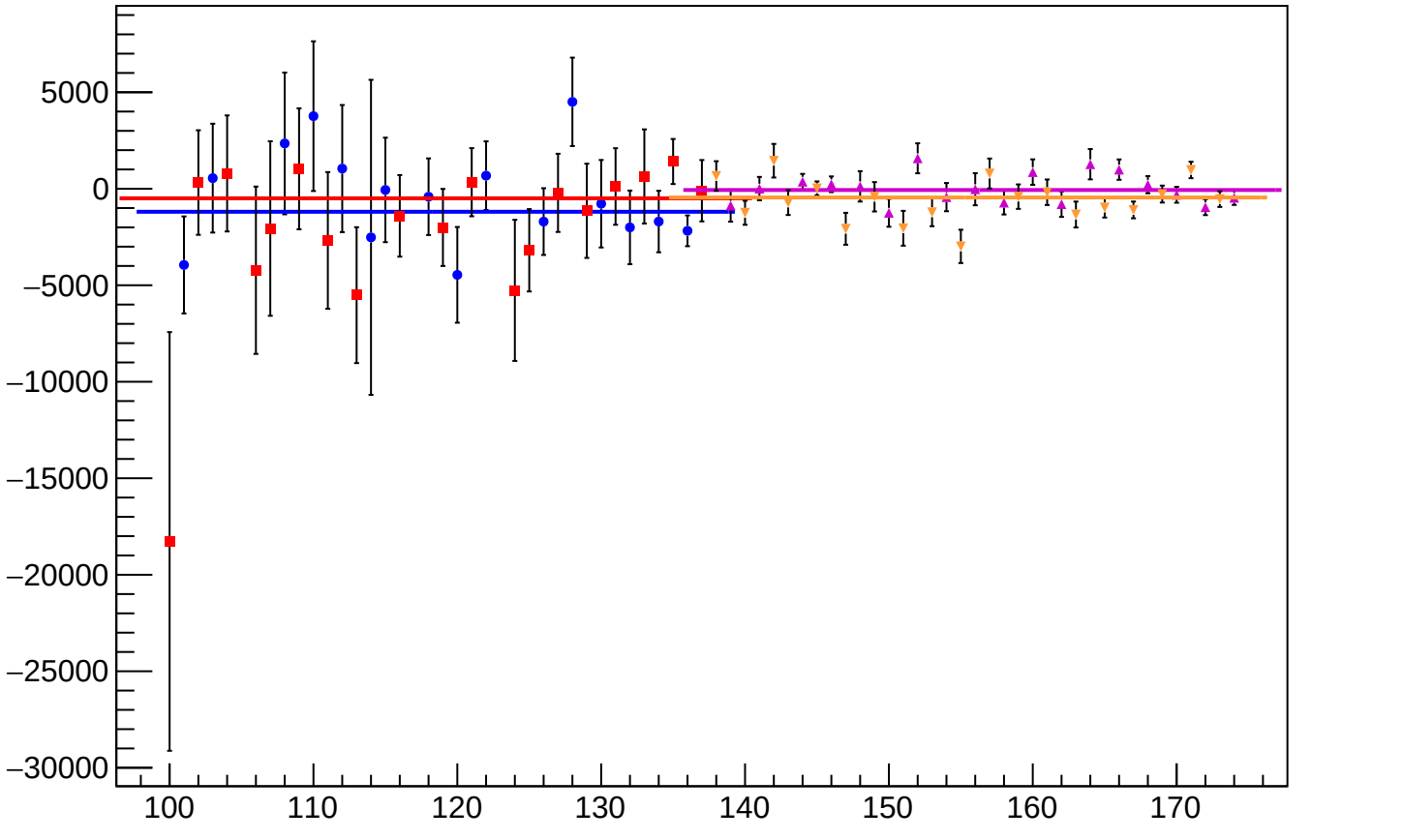
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 78.194+/-0.015 χ^2/NDF:682091.2/17

+ sign 85.806+/-0.013 χ^2/NDF: 3274227.1/34

All: 85.622+/-0.010 χ^2/NDF: 7091528.0/71

- 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: -452.805+/-131.648 χ^2/NDF:46.2/18

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

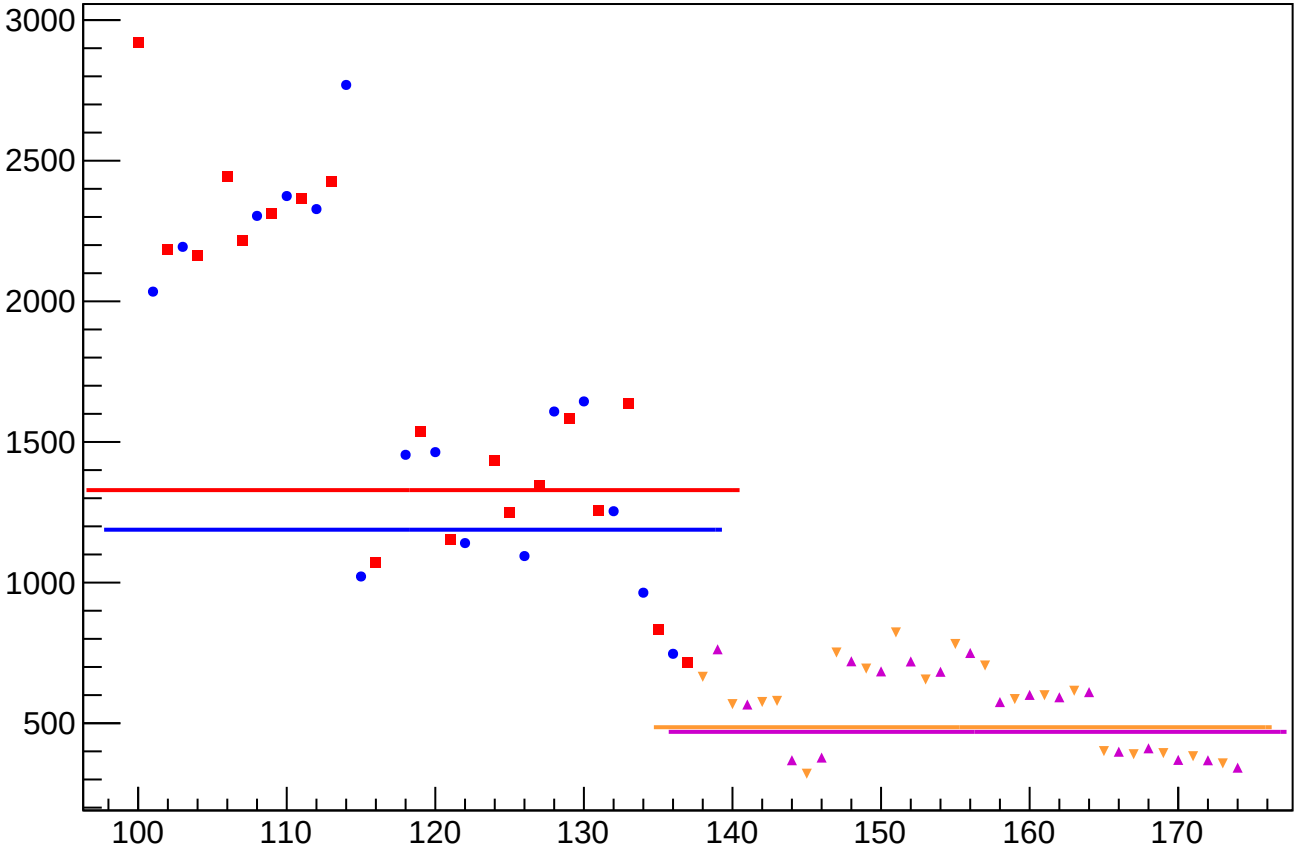
Left In: -64.558+/-127.591 χ^2/NDF:28.0/17

+ sign -504.750+/-126.940 χ^2/NDF: 64.3/34

All: -291.814+/-88.680 χ^2/NDF: 112.3/71

- 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: 485.845+/-0.093 χ^2/NDF:2505294.9/18

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

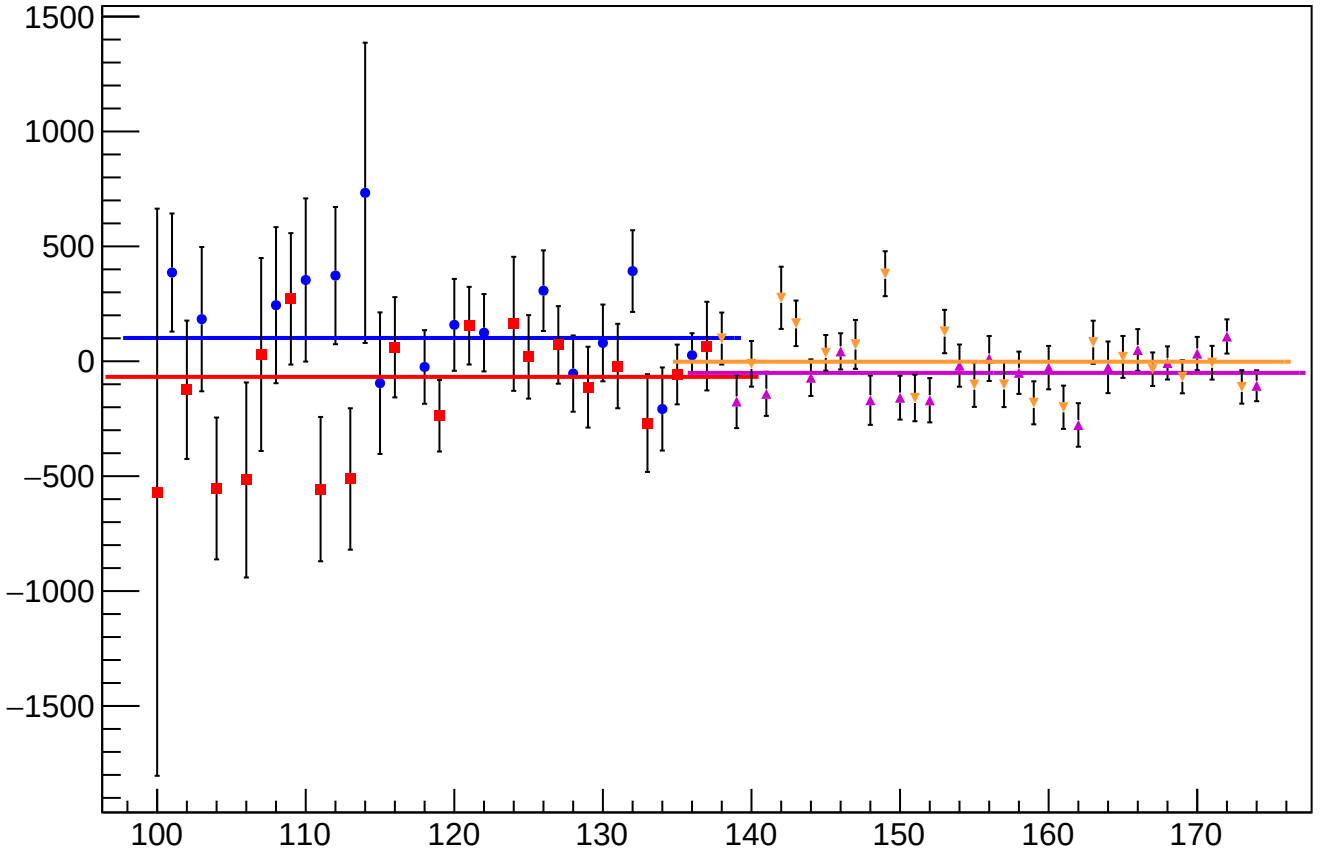
Left In: 469.336+/-0.090 χ^2/NDF:2328824.8/17

+ sign 535.181+/-0.090 χ^2/NDF: 8547912.1/34

All: 526.300+/-0.063 χ^2/NDF: 17974485.0/71

- 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: -1.925+/-20.717 χ^2/NDF:42.6/18

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

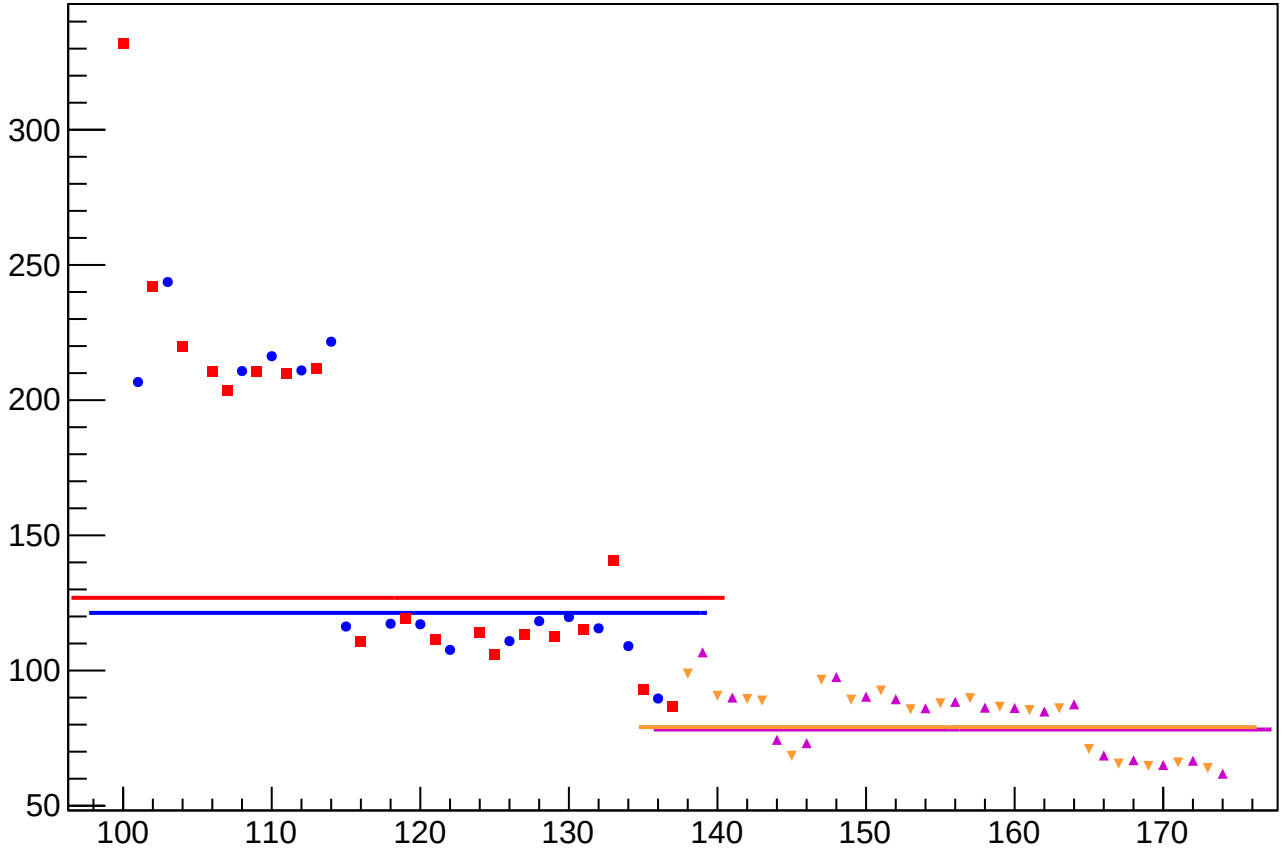
Left In: -50.464+/-20.608 χ^2/NDF:22.0/17

+ sign 14.520+/-18.998 χ^2/NDF: 59.9/34

All: -19.235+/-13.440 χ^2/NDF: 104.5/71

- 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: 79.086+/-0.015 χ^2/NDF:664947.5/18

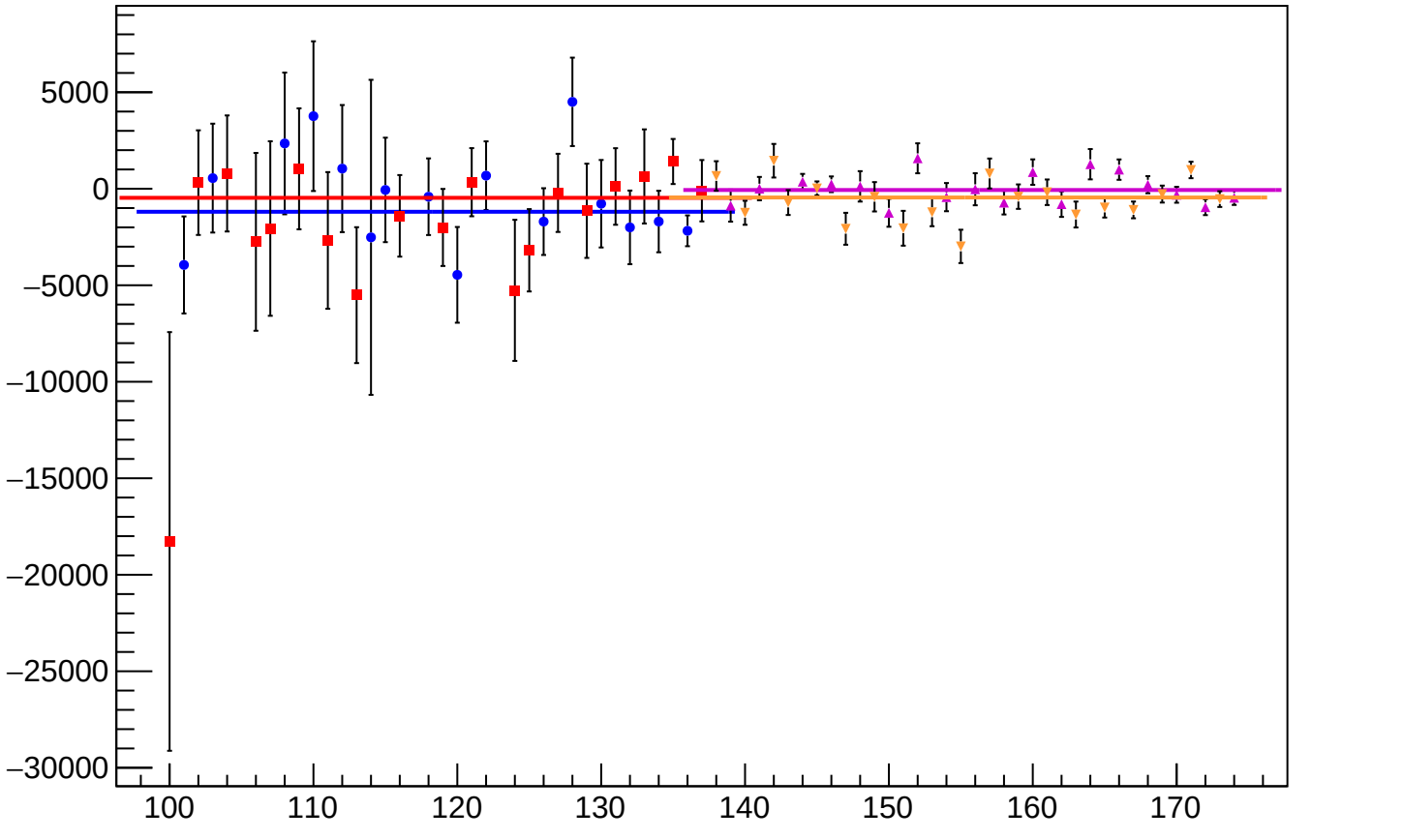
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 78.194+/-0.015 χ^2/NDF:682091.2/17

+ sign 85.806+/-0.013 χ^2/NDF: 3274229.2/34

All: 85.618+/-0.010 χ^2/NDF: 7081845.9/71

- 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: -452.801+/-131.648 χ^2/NDF:46.2/18

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

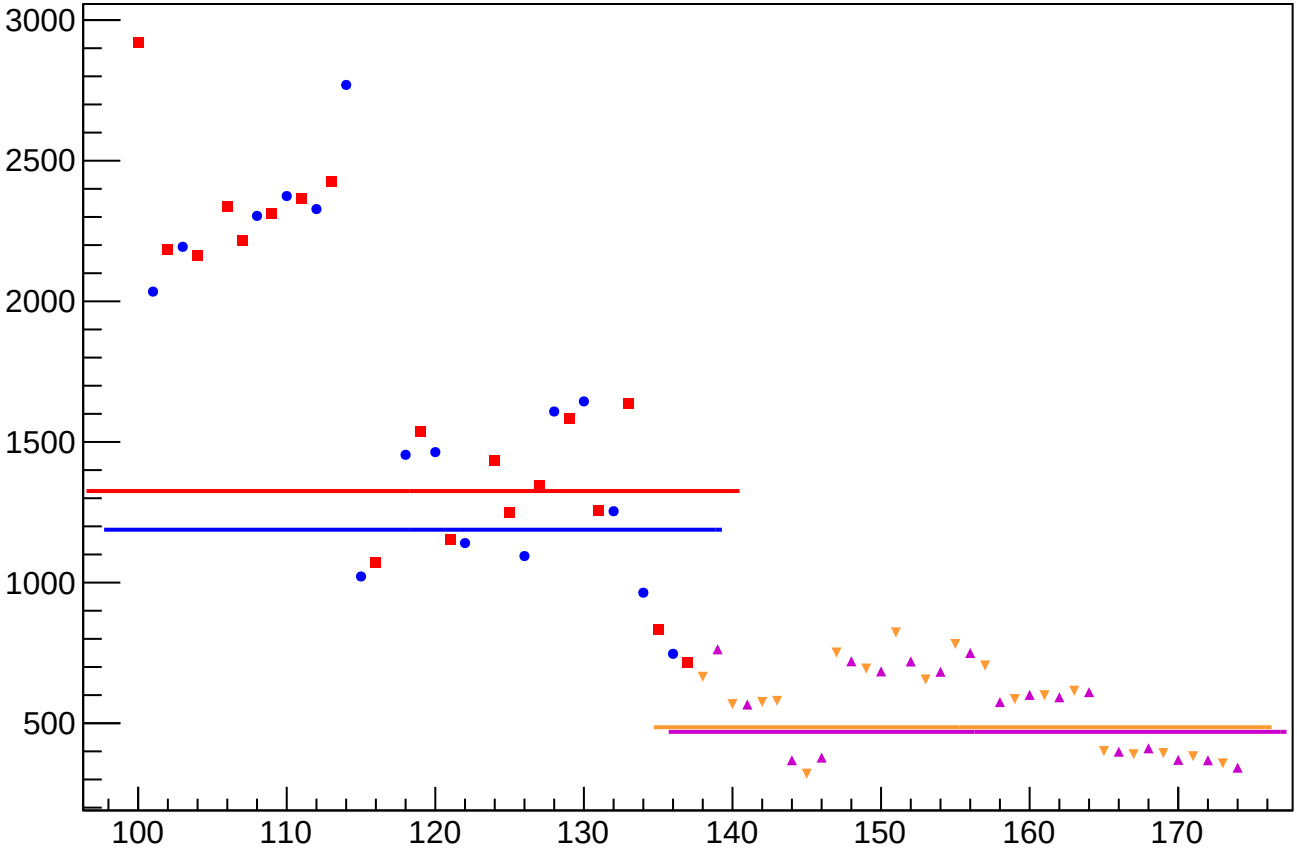
Left In: -64.558+/-127.591 χ^2/NDF:28.0/17

+ sign -504.745+/-126.940 χ^2/NDF: 64.3/34

All: -291.083+/-88.682 χ^2/NDF: 111.7/71

- 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: 485.845+/-0.093 χ^2/NDF:2505301.6/18

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

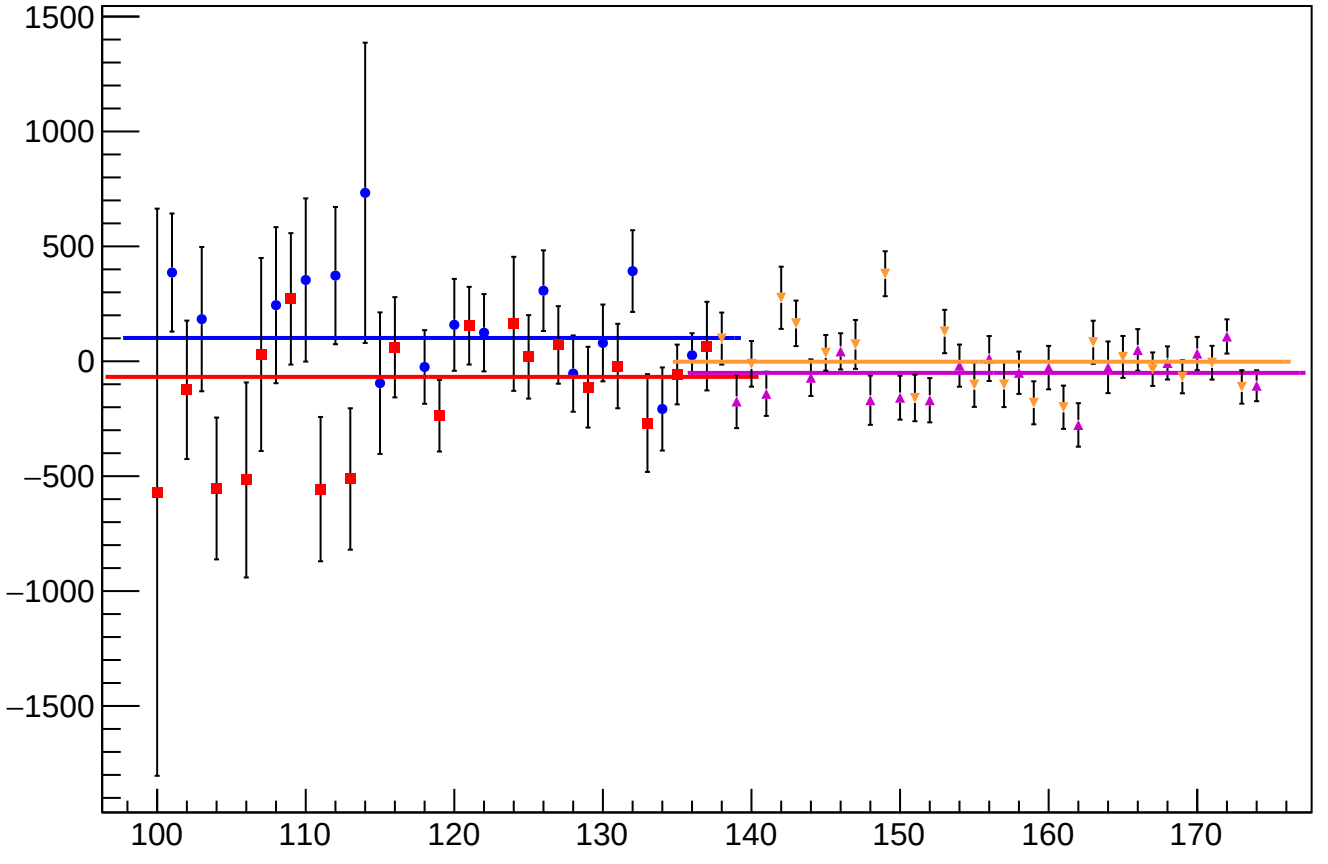
Left In: 469.336+/-0.090 χ^2/NDF:2328827.5/17

+ sign 535.181+/-0.090 χ^2/NDF: 8547940.3/34

All: 526.166+/-0.063 χ^2/NDF: 17891423.9/71

- 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: -1.925+/-20.717 χ^2/NDF:42.6/18

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

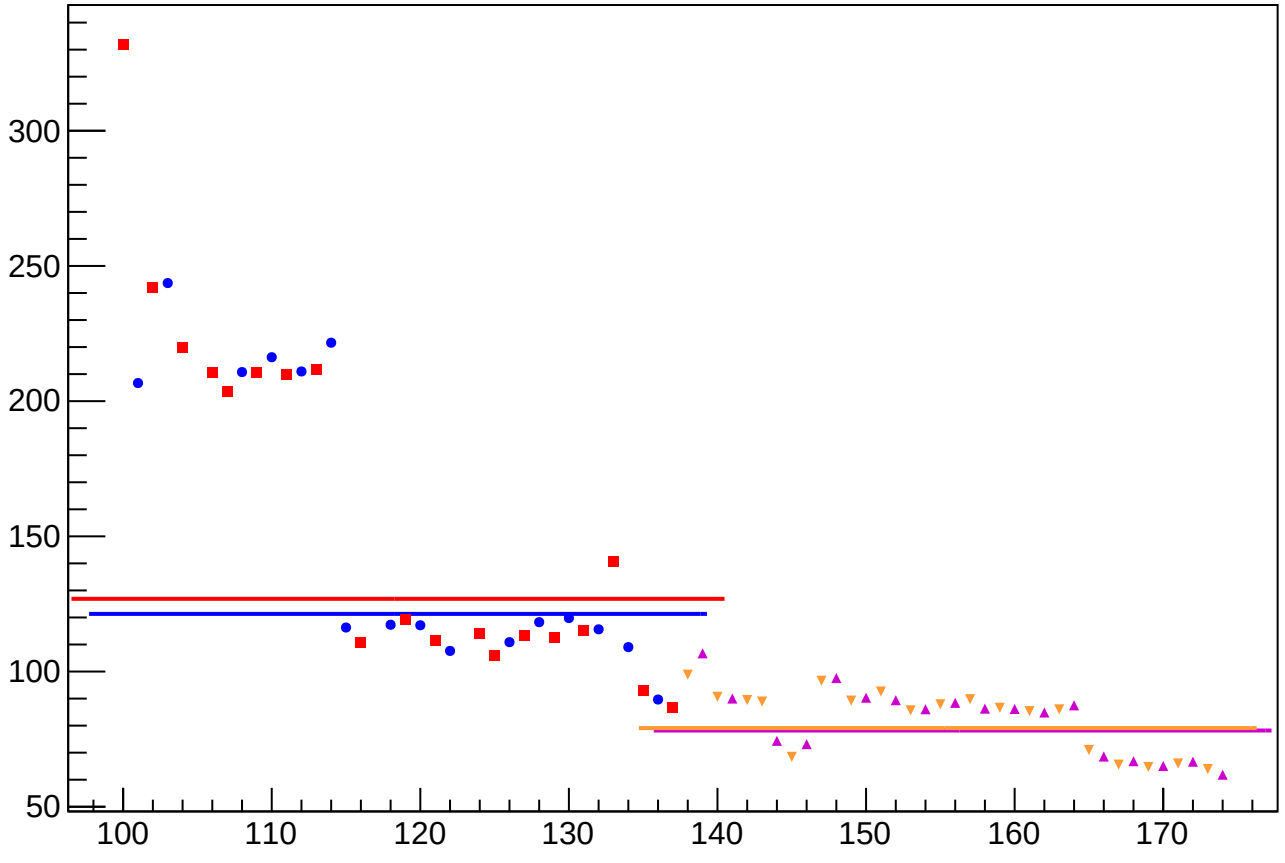
Left In: -50.464+/-20.608 χ^2/NDF:22.0/17

+ sign 14.520+/-18.998 χ^2/NDF: 59.9/34

All: -19.235+/-13.440 χ^2/NDF: 104.5/71

- 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: 79.086+/-0.015 χ^2/NDF:664947.5/18

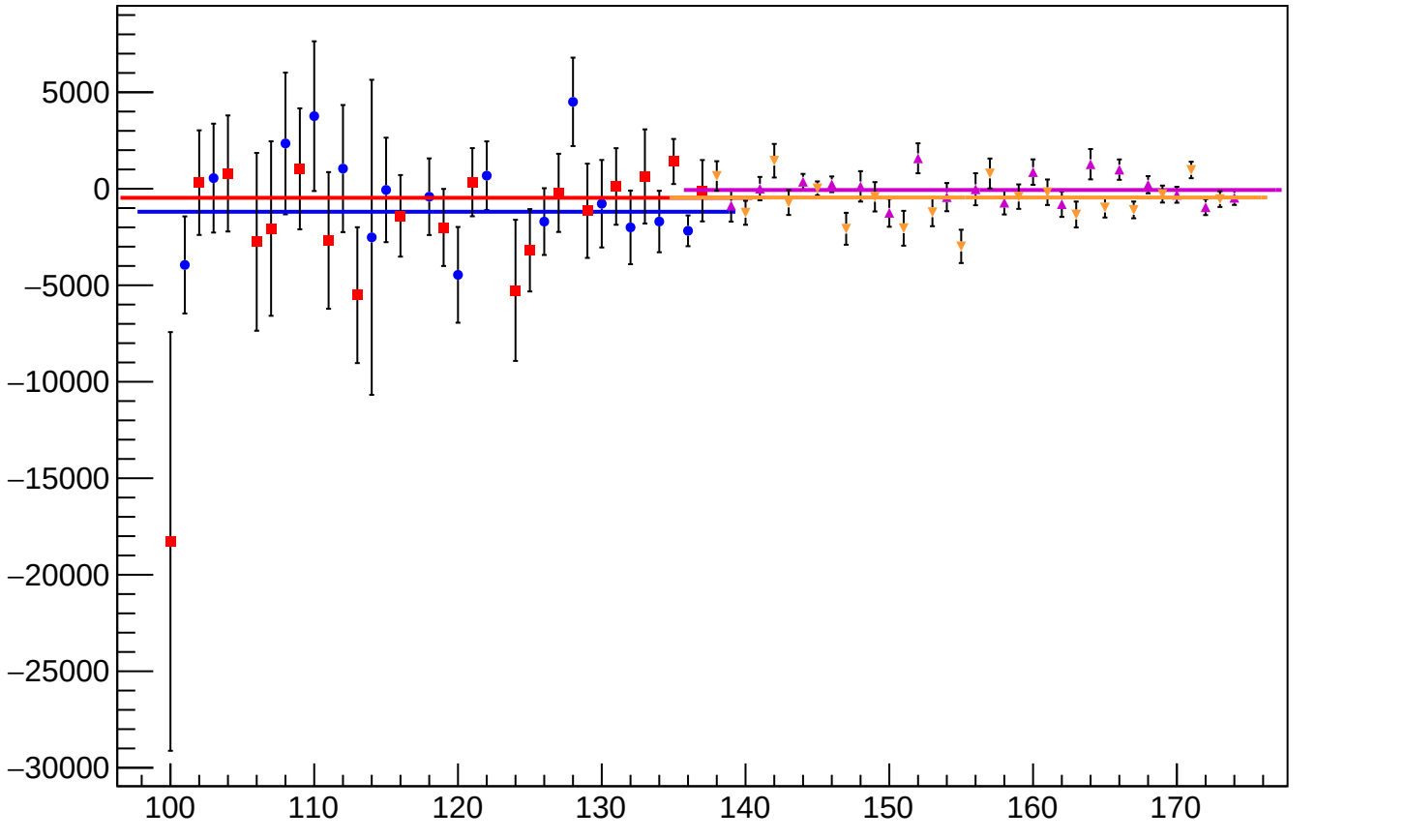
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 78.194+/-0.015 χ^2/NDF:682091.2/17

+ sign 85.806+/-0.013 χ^2/NDF: 3274229.2/34

All: 85.618+/-0.010 χ^2/NDF: 7081845.9/71

- 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: -452.801+/-131.648 χ^2/NDF:46.2/18

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

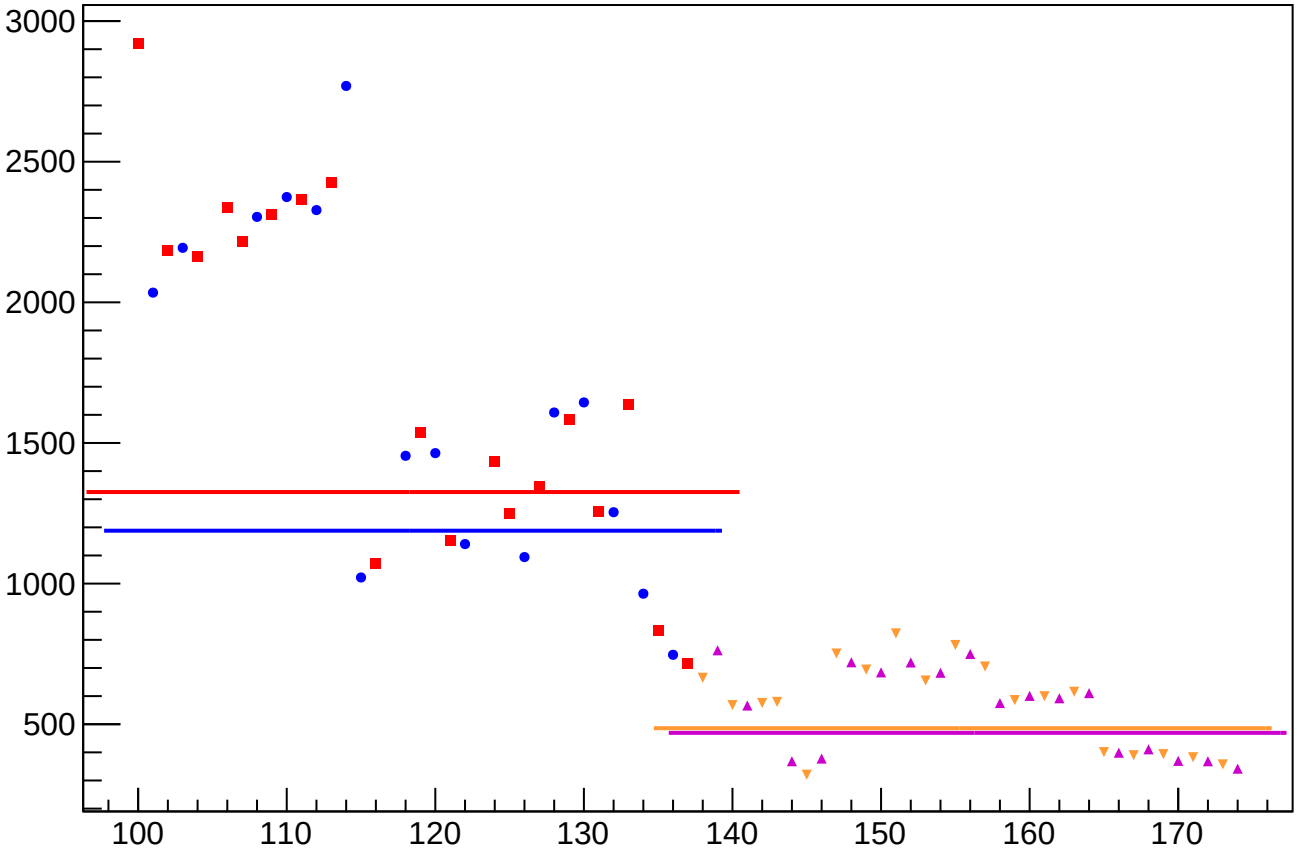
Left In: -64.558+/-127.591 χ^2/NDF:28.0/17

+ sign -504.745+/-126.940 χ^2/NDF: 64.3/34

All: -291.083+/-88.682 χ^2/NDF: 111.7/71

- 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: 485.845+/-0.093 χ^2/NDF:2505301.6/18

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

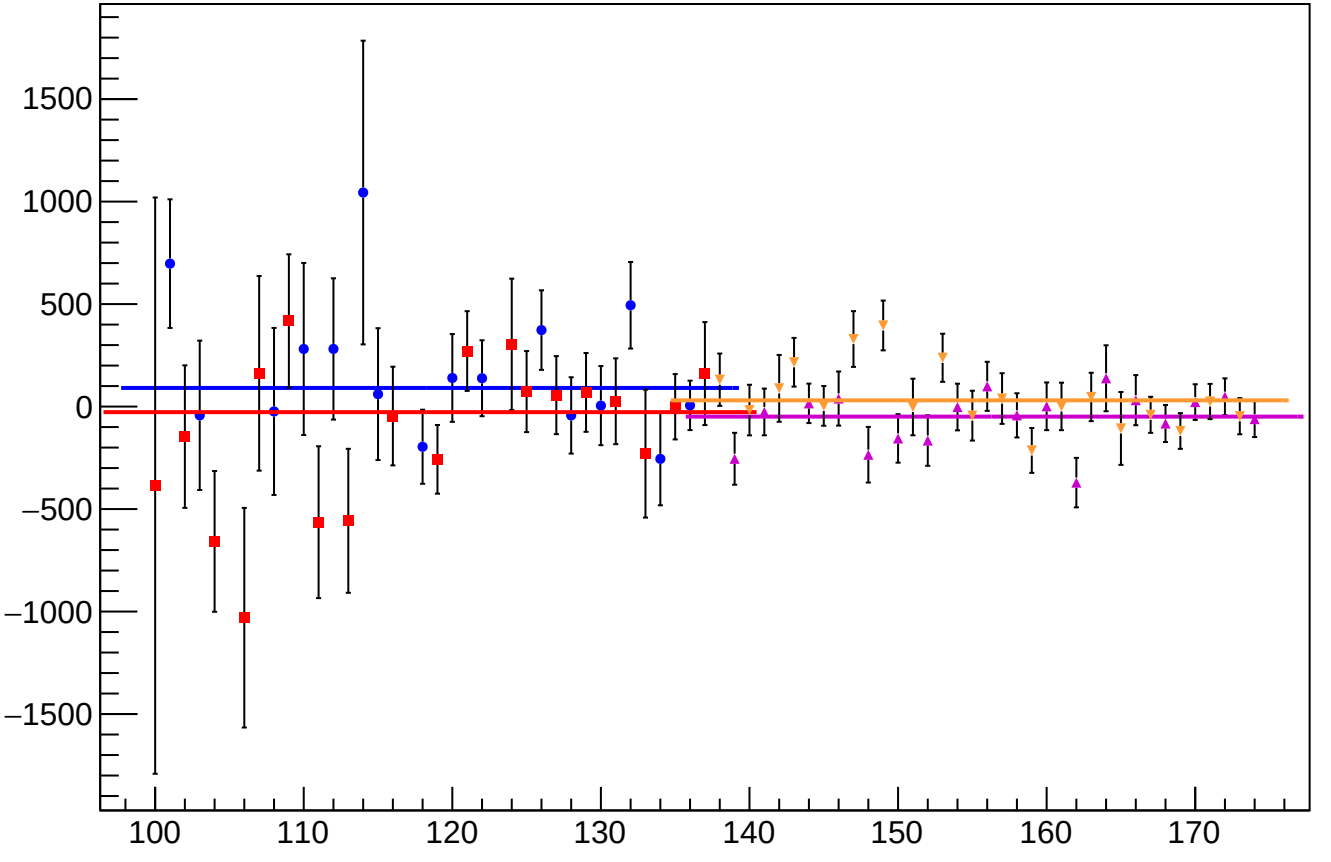
Left In: 469.336+/-0.090 χ^2/NDF:2328827.5/17

+ sign 535.181+/-0.090 χ^2/NDF: 8547940.3/34

All: 526.166+/-0.063 χ^2/NDF: 17891423.9/71

- 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: 30.390+/-25.740 χ^2/NDF:30.9/18

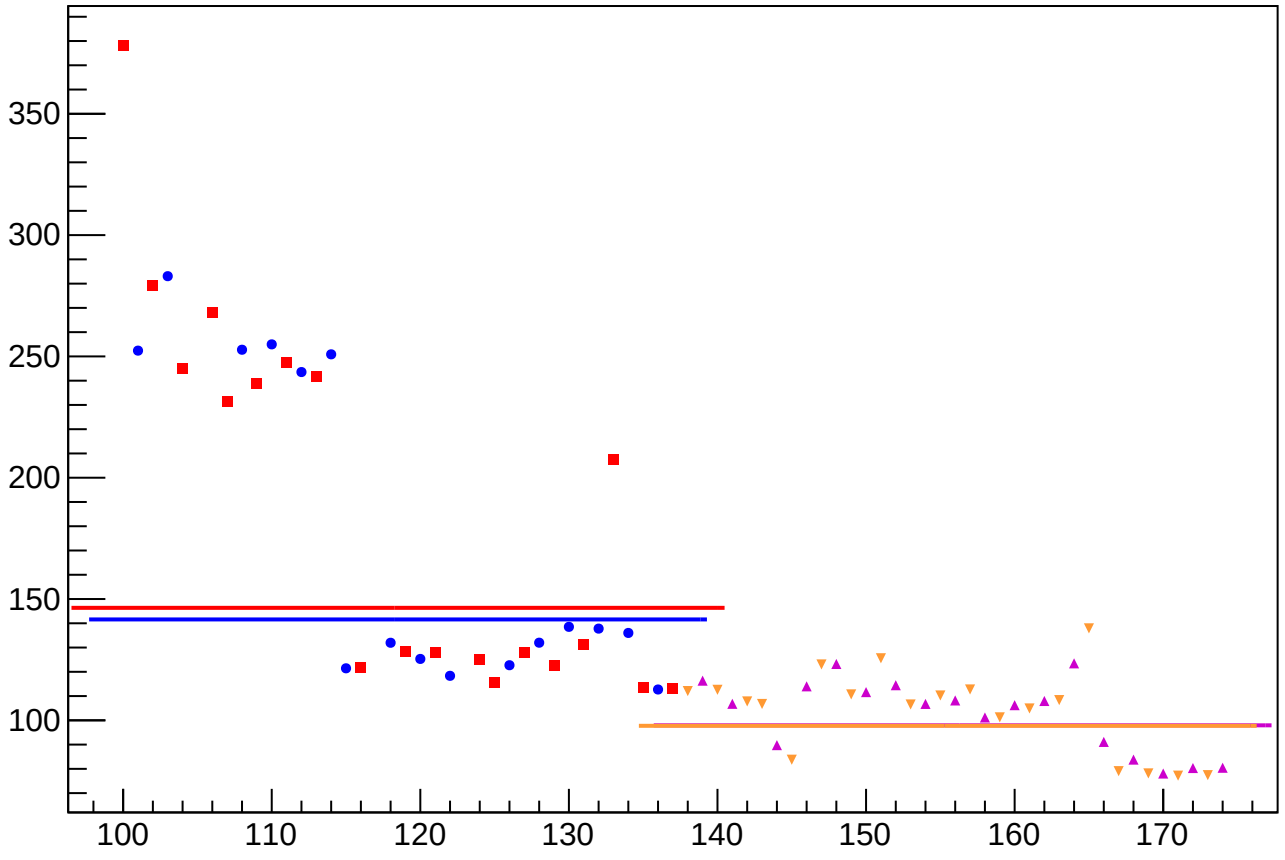
Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: -49.021+/-25.930 χ^2/NDF:19.9/17

+ sign 41.082+/-23.355 χ^2/NDF: 50.0/34

All: -1.640+/-16.602 χ^2/NDF: 97.4/71

- sign -45.276+/-23.604 χ^2/NDF: 40.6/36



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 97.742+/-0.018 χ^2/NDF:890735.1/18

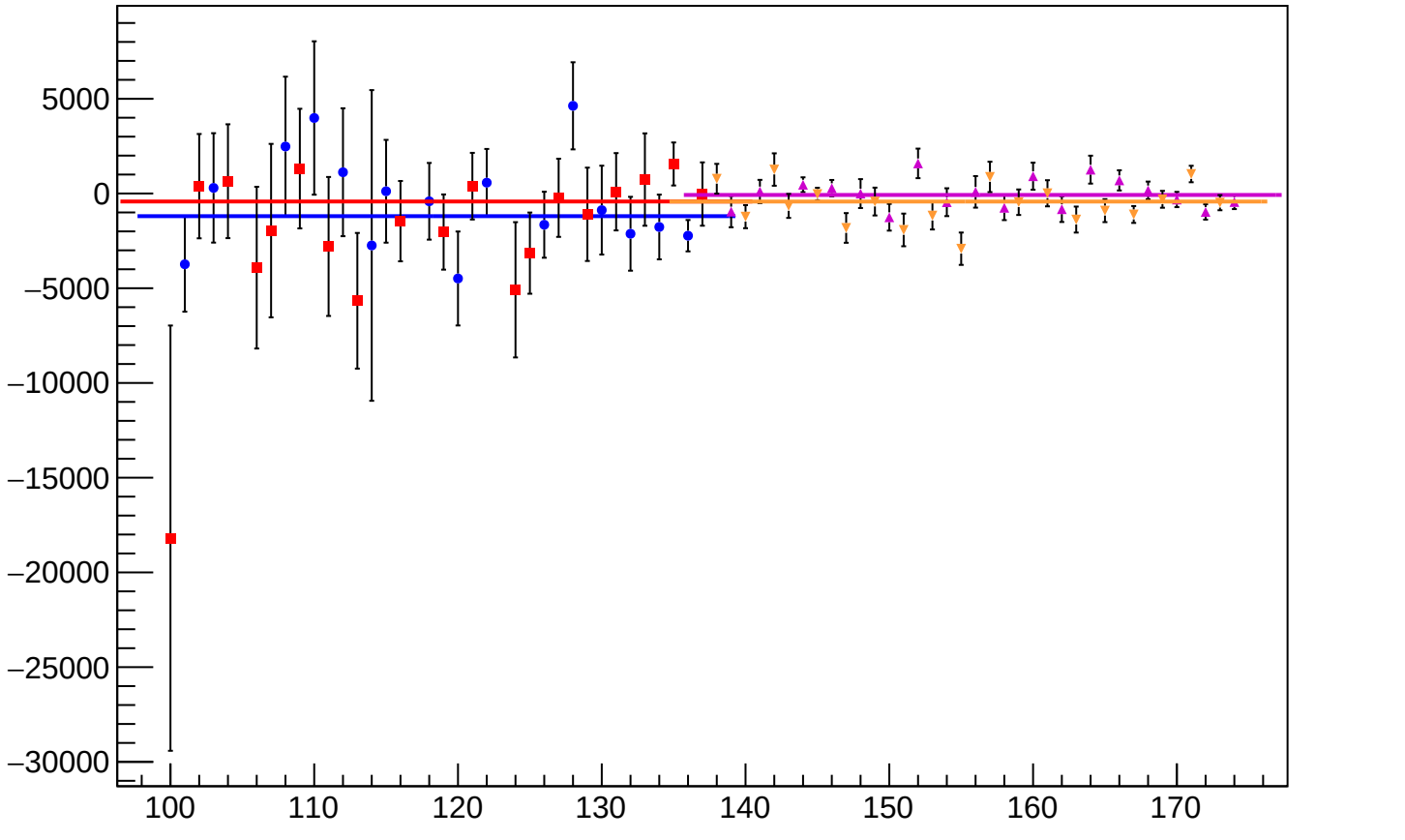
Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 97.941+/-0.018 χ^2/NDF:650091.8/17

+ sign 105.488+/-0.017 χ^2/NDF: 3178344.1/34

All: 105.861+/-0.012 χ^2/NDF: 6538707.1/71

- 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: -425.210+/-131.845 χ^2/NDF:44.4/18

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

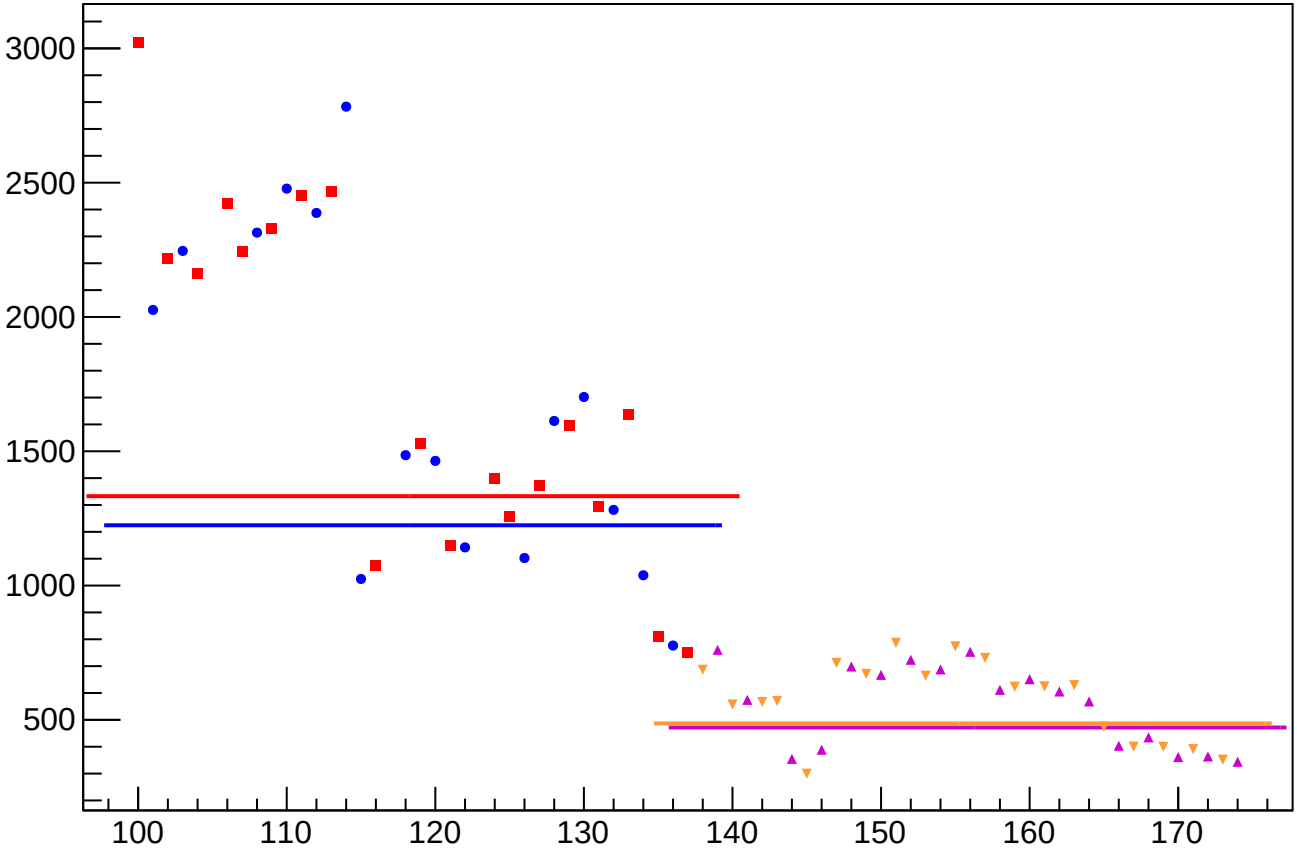
Left In: -77.197+/-128.587 χ^2/NDF:27.6/17

+ sign -477.019+/-127.341 χ^2/NDF: 62.7/34

All: -283.200+/-89.160 χ^2/NDF: 109.5/71

- 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: 486.815+/-0.093 χ^2/NDF:2626007.3/18

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

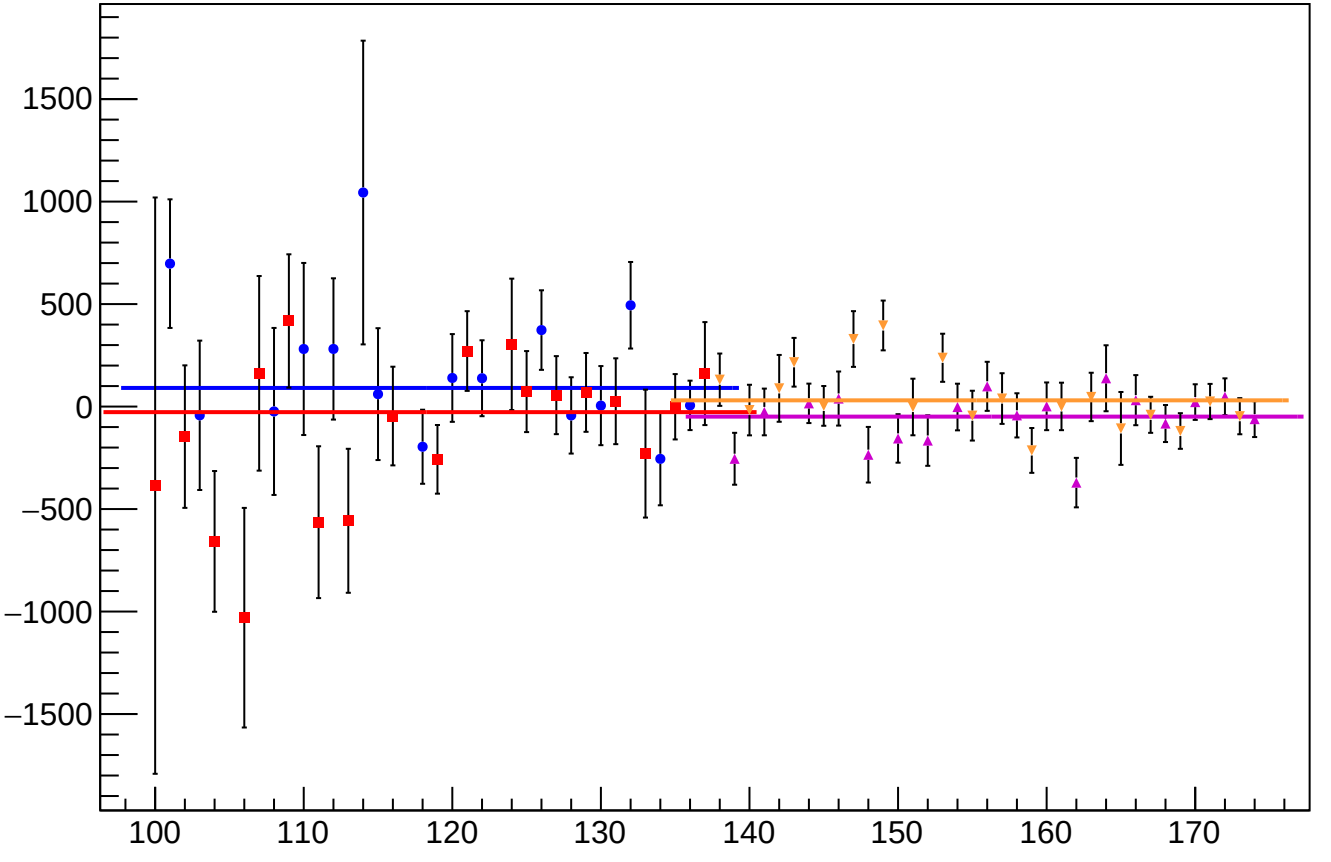
Left In: 471.568+/-0.091 χ^2/NDF:2396327.9/17

+ sign 536.354+/-0.090 χ^2/NDF: 8789764.7/34

All: 528.279+/-0.063 χ^2/NDF: 18295347.5/71

- 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: 30.388+/-25.740 χ^2/NDF:30.9/18

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

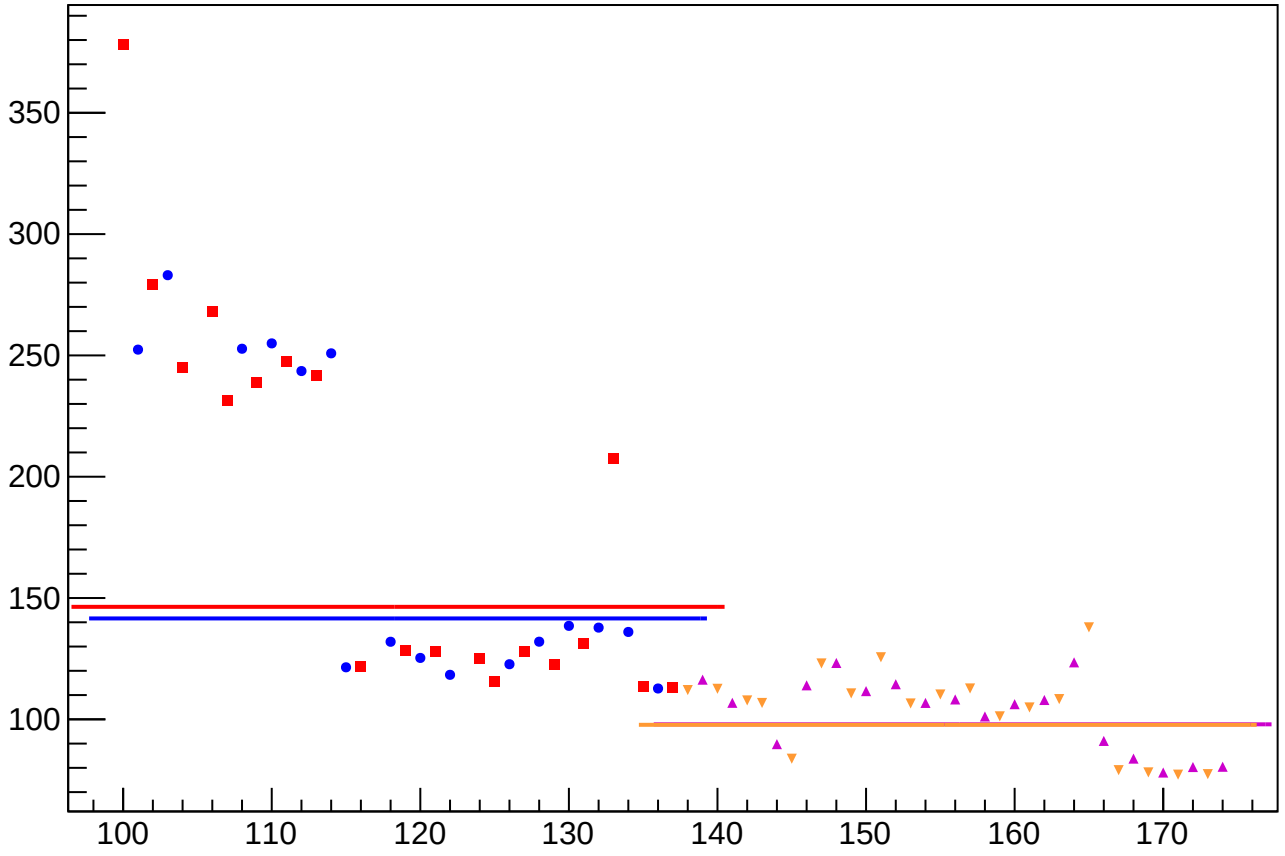
Left In: -49.019+/-25.930 χ^2/NDF:19.9/17

+ sign 41.081+/-23.355 χ^2/NDF: 50.0/34

All: -1.640+/-16.602 χ^2/NDF: 97.4/71

- 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: 97.742+/-0.018 χ^2/NDF:890731.9/18

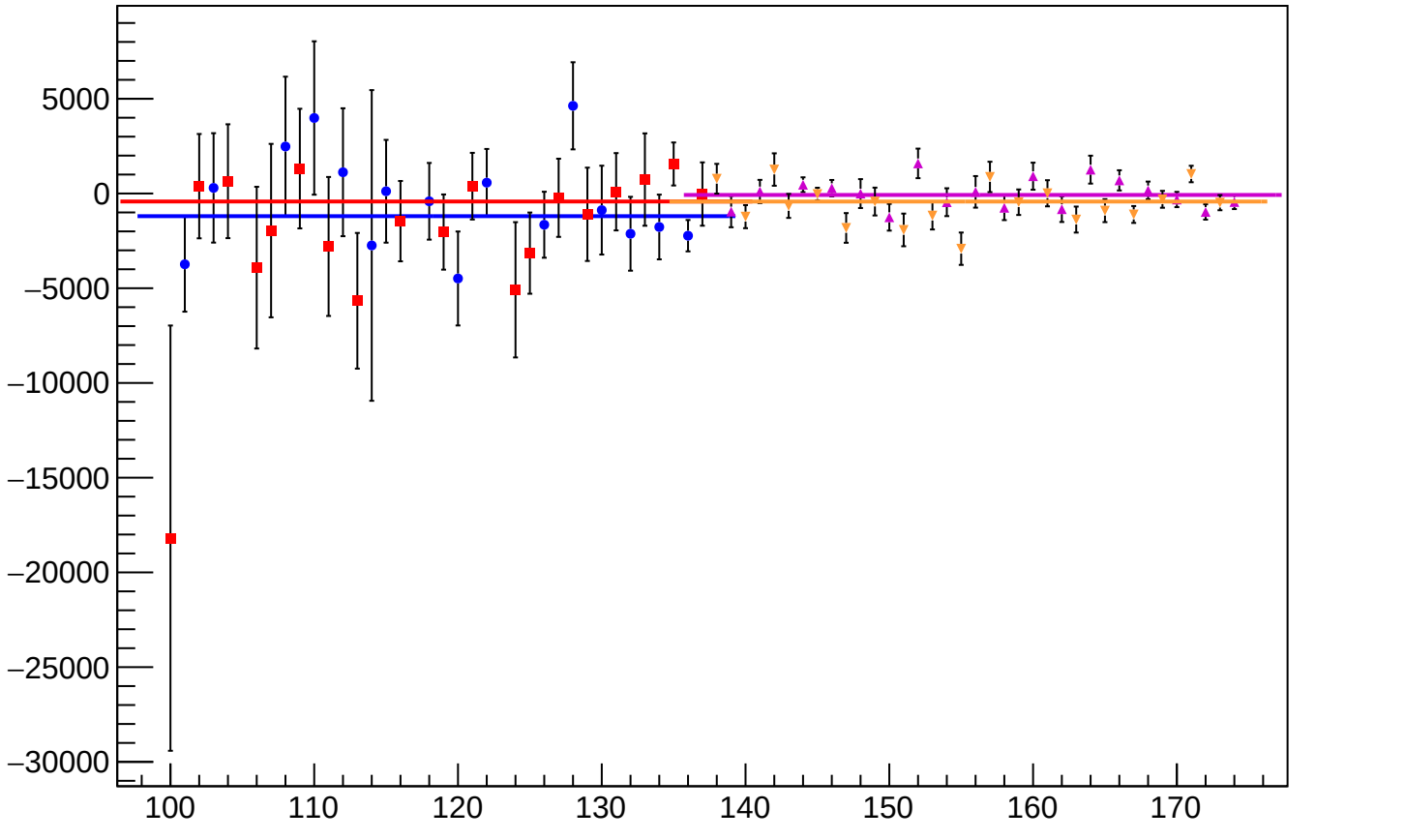
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.941+/-0.018 χ^2/NDF:650079.9/17

+ sign 105.489+/-0.017 χ^2/NDF: 3178289.1/34

All: 105.861+/-0.012 χ^2/NDF: 6538591.4/71

- 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: -425.209+/-131.845 χ^2/NDF:44.4/18

Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

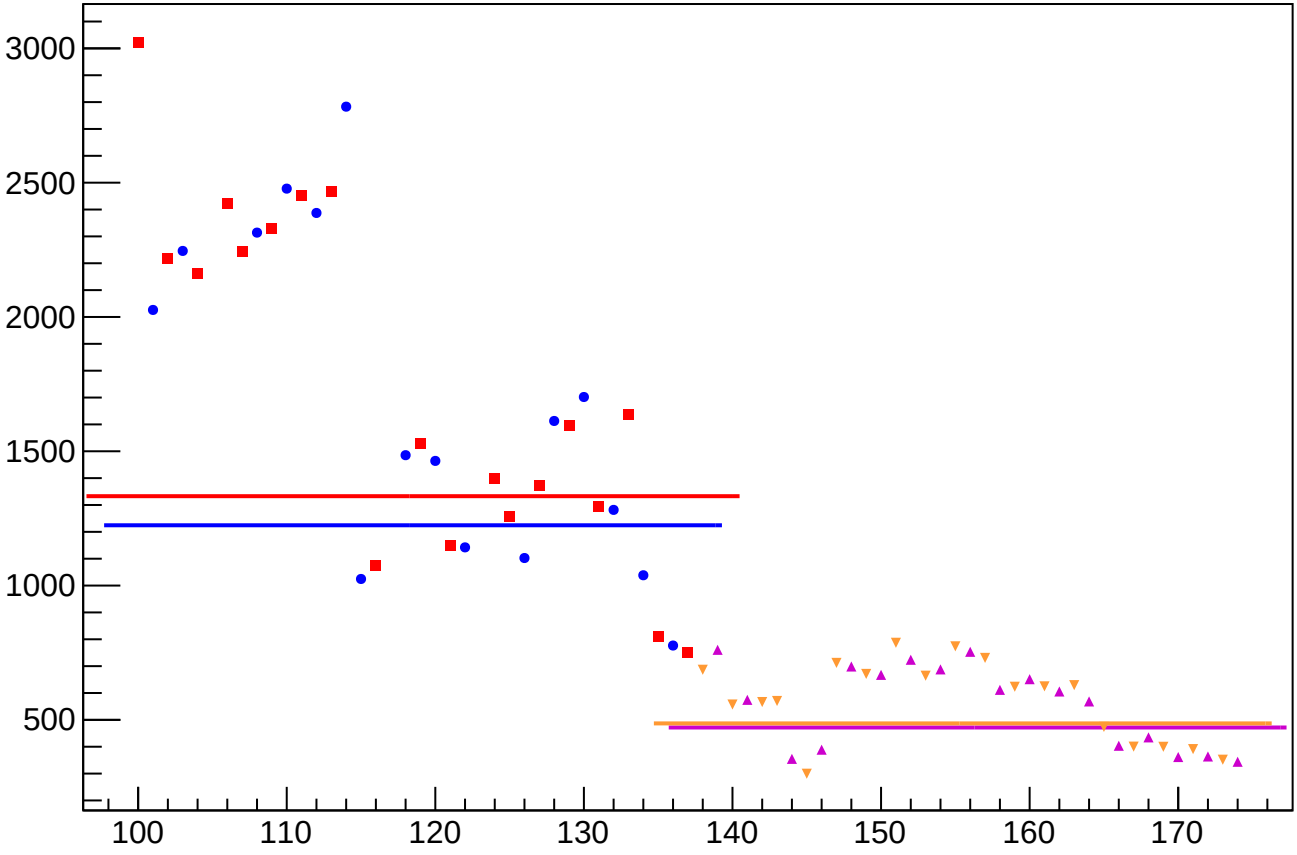
Left In: -77.195+/-128.587 χ^2/NDF:27.6/17

+ sign -477.018+/-127.341 χ^2/NDF: 62.7/34

All: -283.199+/-89.160 χ^2/NDF: 109.5/71

- sign -96.801+/-124.879 χ^2/NDF: 42.3/36

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 486.814+/-0.093 χ^2/NDF:2626036.4/18

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

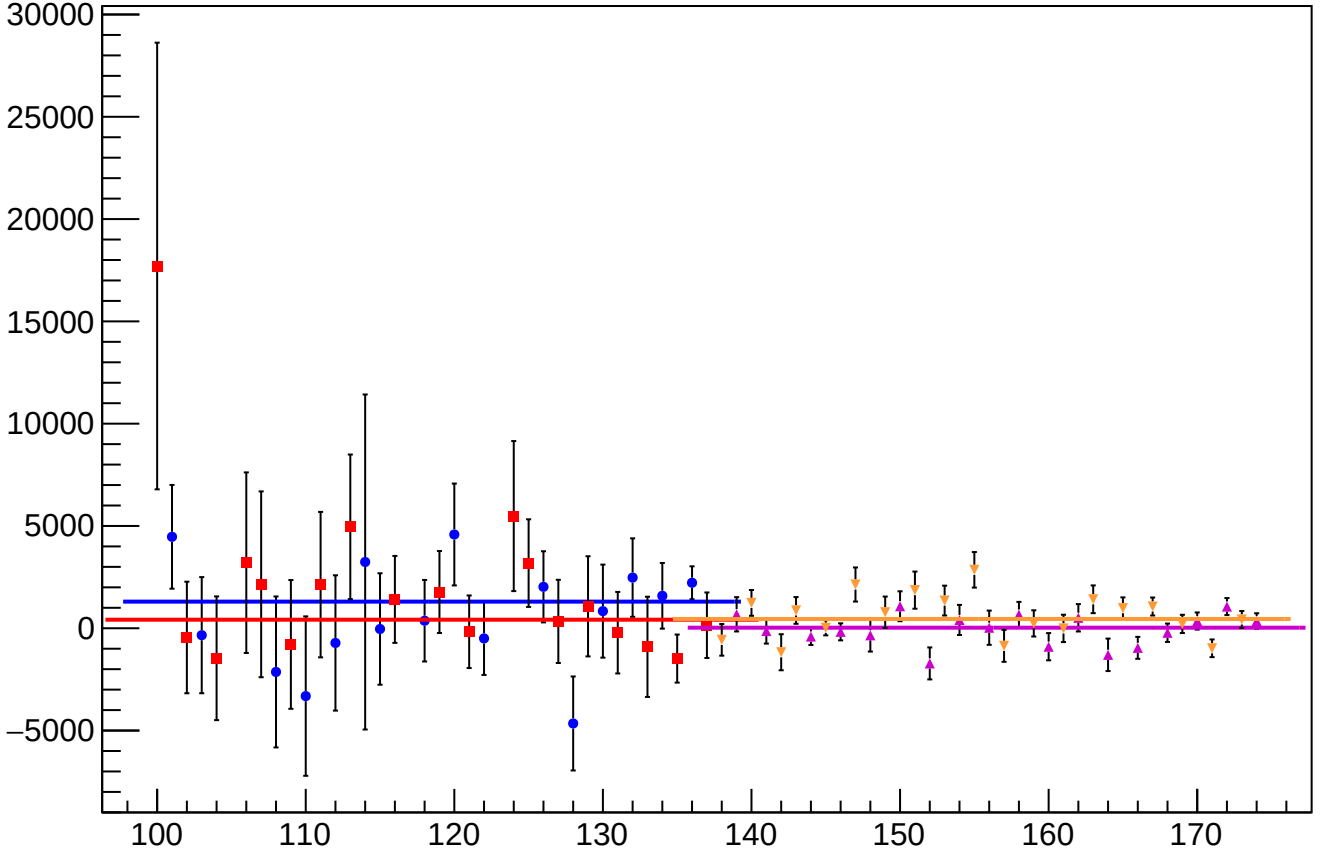
Left In: 471.568+/-0.091 χ^2/NDF:2396328.4/17

+ sign 536.353+/-0.090 χ^2/NDF: 8789787.3/34

All: 528.278+/-0.063 χ^2/NDF: 18295355.2/71

- 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: 453.550+/-133.492 χ^2/NDF:43.9/18

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

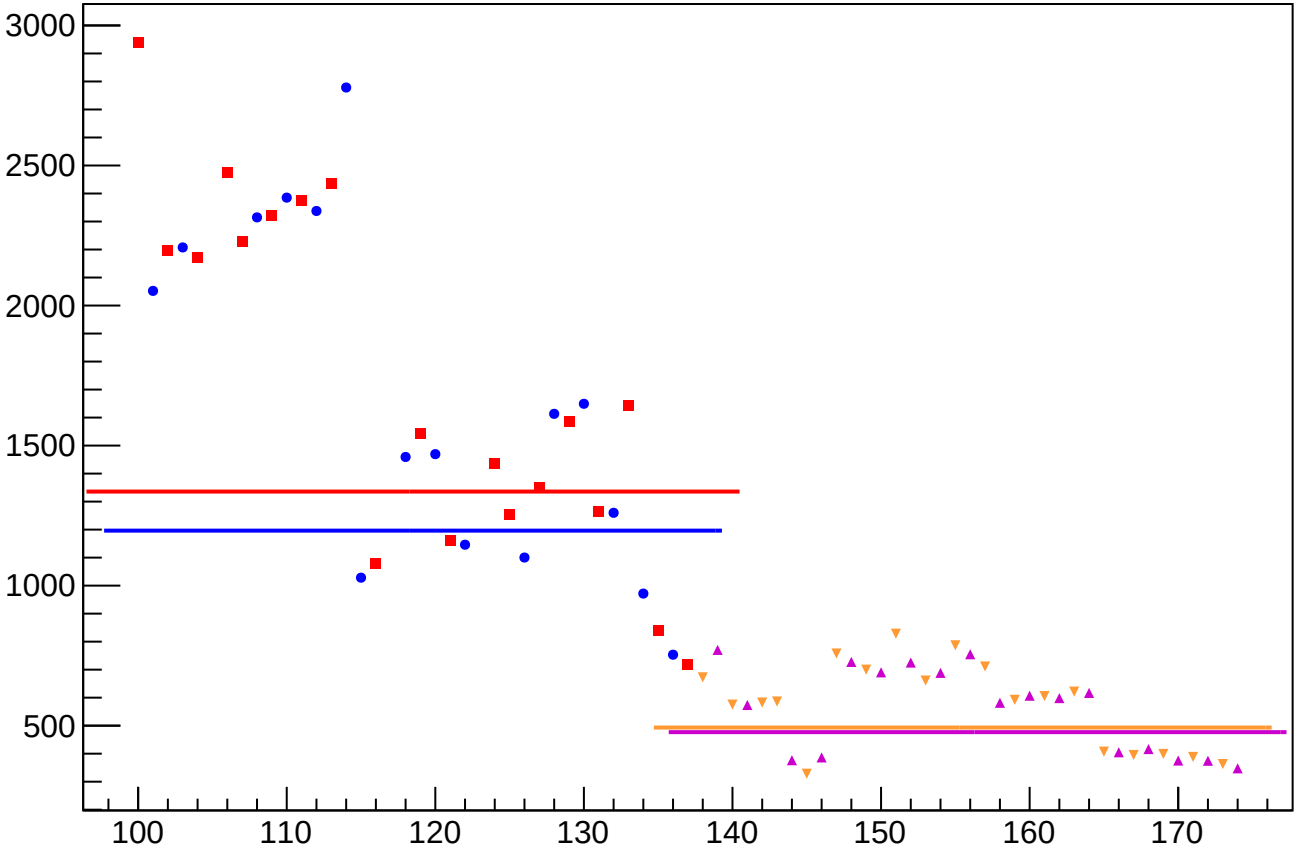
Left In: 27.379+/-129.482 χ^2/NDF:27.0/17

+ sign 513.976+/-128.649 χ^2/NDF: 63.3/34

All: 276.540+/-89.911 χ^2/NDF: 110.5/71

- 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: 493.284+/-0.094 χ^2/NDF:2439386.5/18

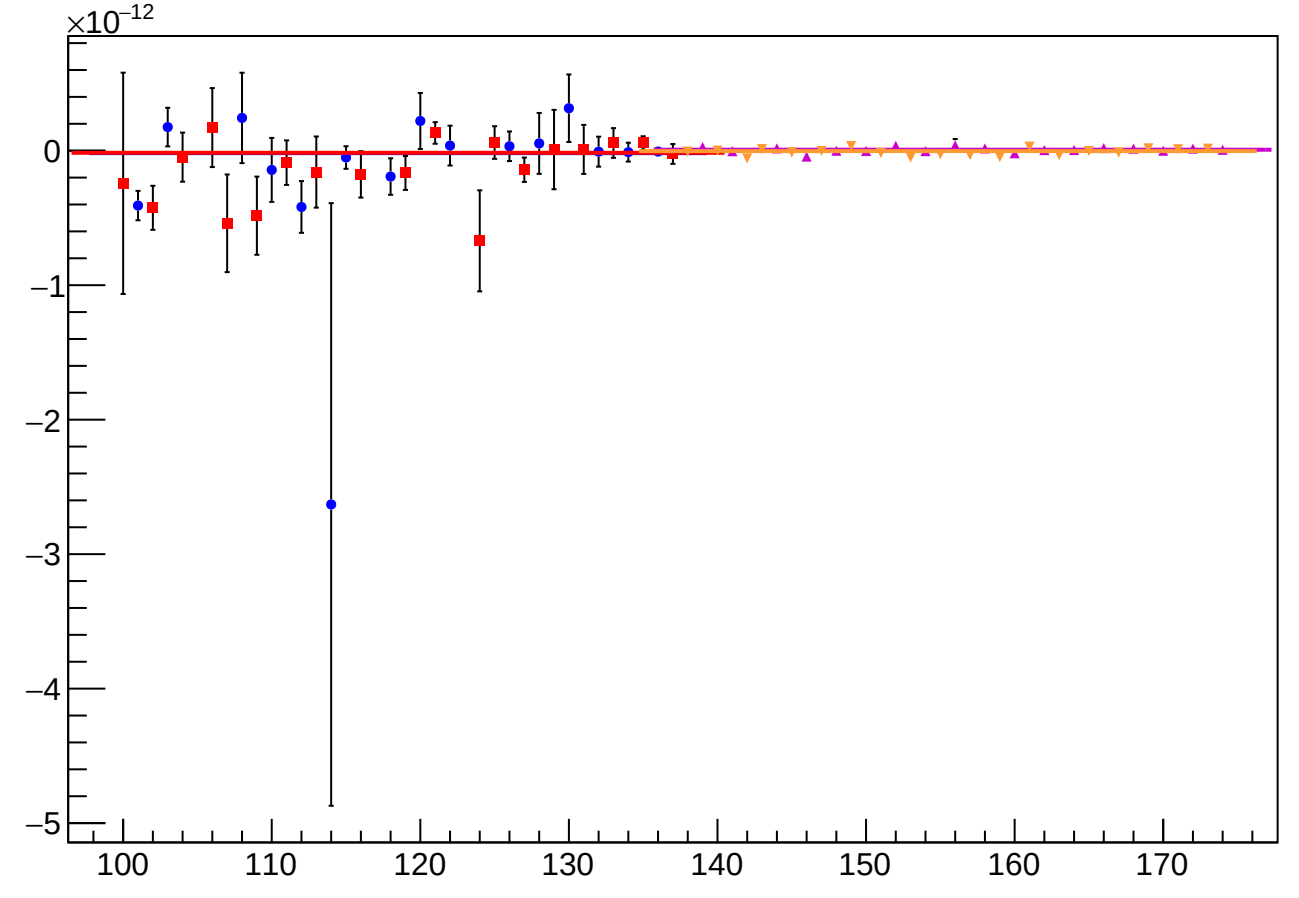
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 476.861+/-0.092 χ^2/NDF:2269678.8/17

+ sign 543.378+/-0.091 χ^2/NDF: 8423896.6/34

All: 534.590+/-0.064 χ^2/NDF: 17718705.9/71

- sign 526.199+/-0.089 χ^2/NDF: 9276564.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/18

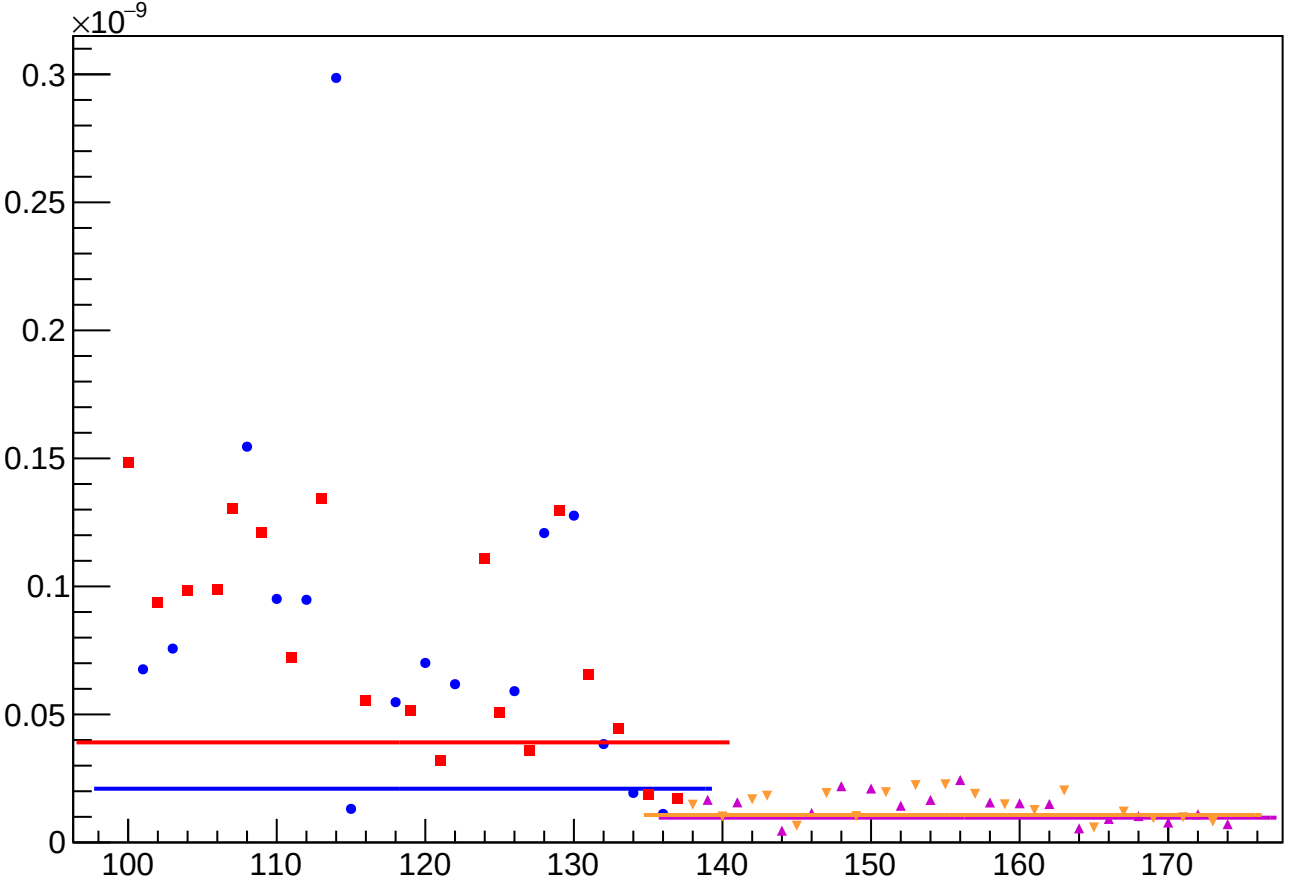
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 46.4/34

All: 0.000+/-0.000 χ^2/NDF: 89.0/71

- 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:1897824.0/18

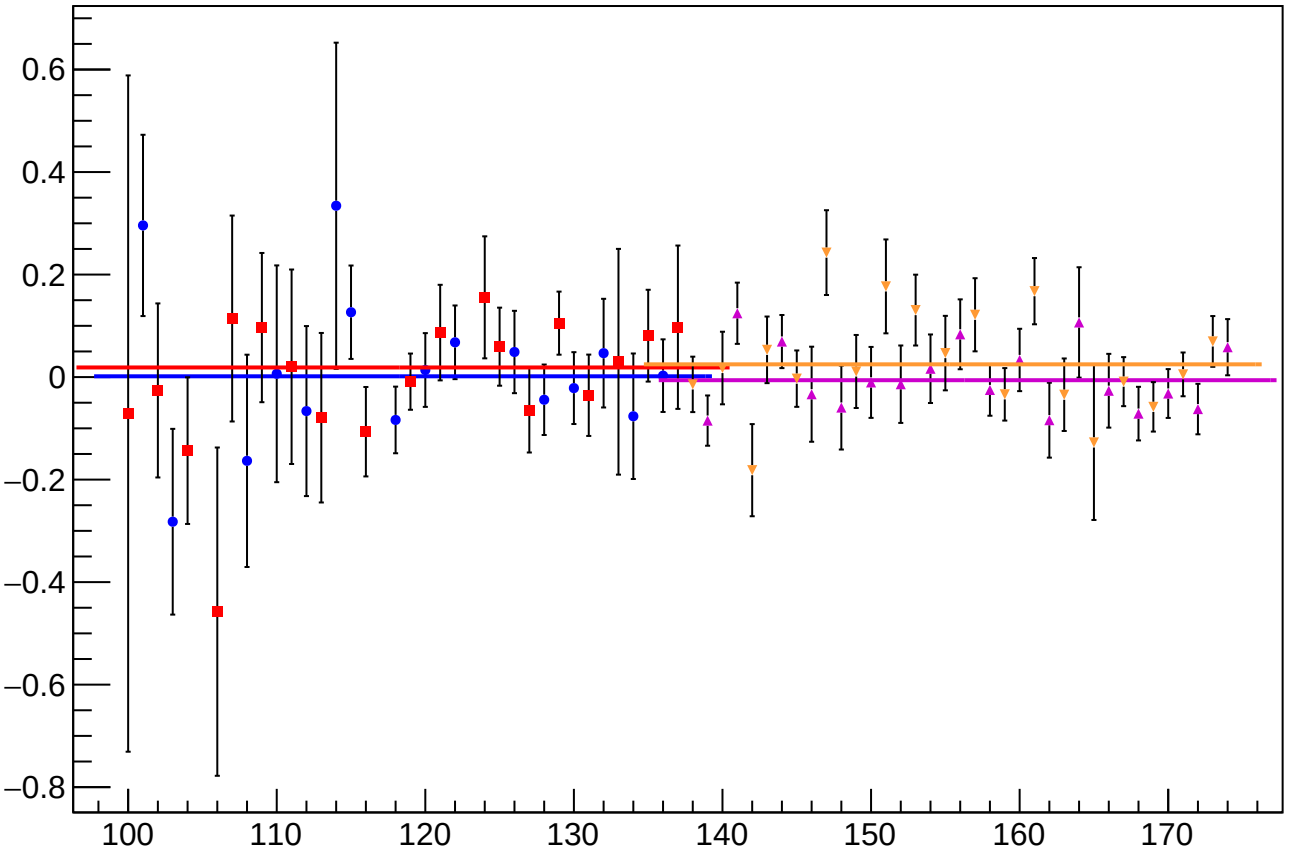
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2168065.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 5898903.0/34

All: 0.000+/-0.000 χ^2/NDF: 12396206.4/71

- 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: 0.025+/-0.014 χ^2/NDF:32.7/18

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

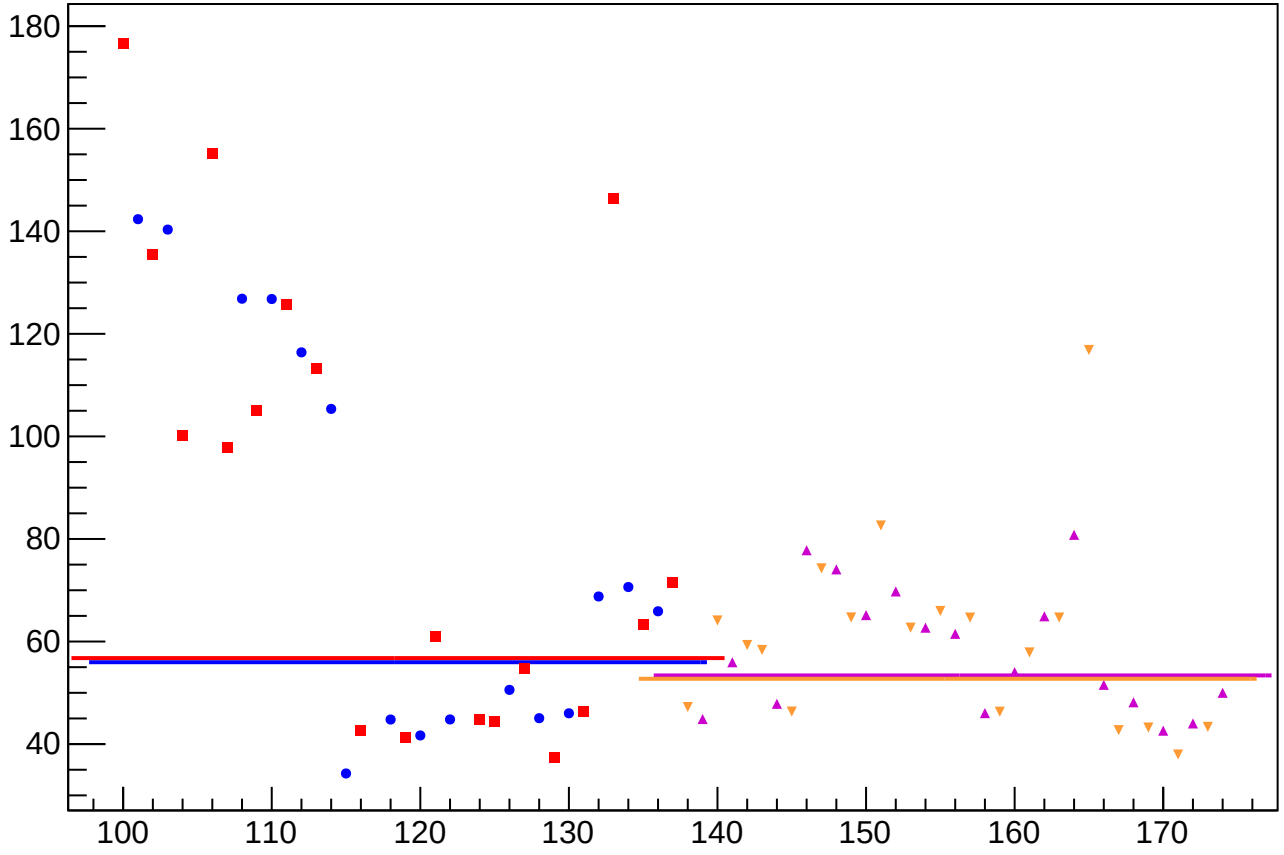
Left In: -0.006+/-0.014 χ^2/NDF:19.3/17

+ sign 0.019+/-0.012 χ^2/NDF: 46.5/34

All: 0.010+/-0.009 χ^2/NDF: 80.7/71

- 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: 52.736+/-0.010 χ^2/NDF:1630885.7/18

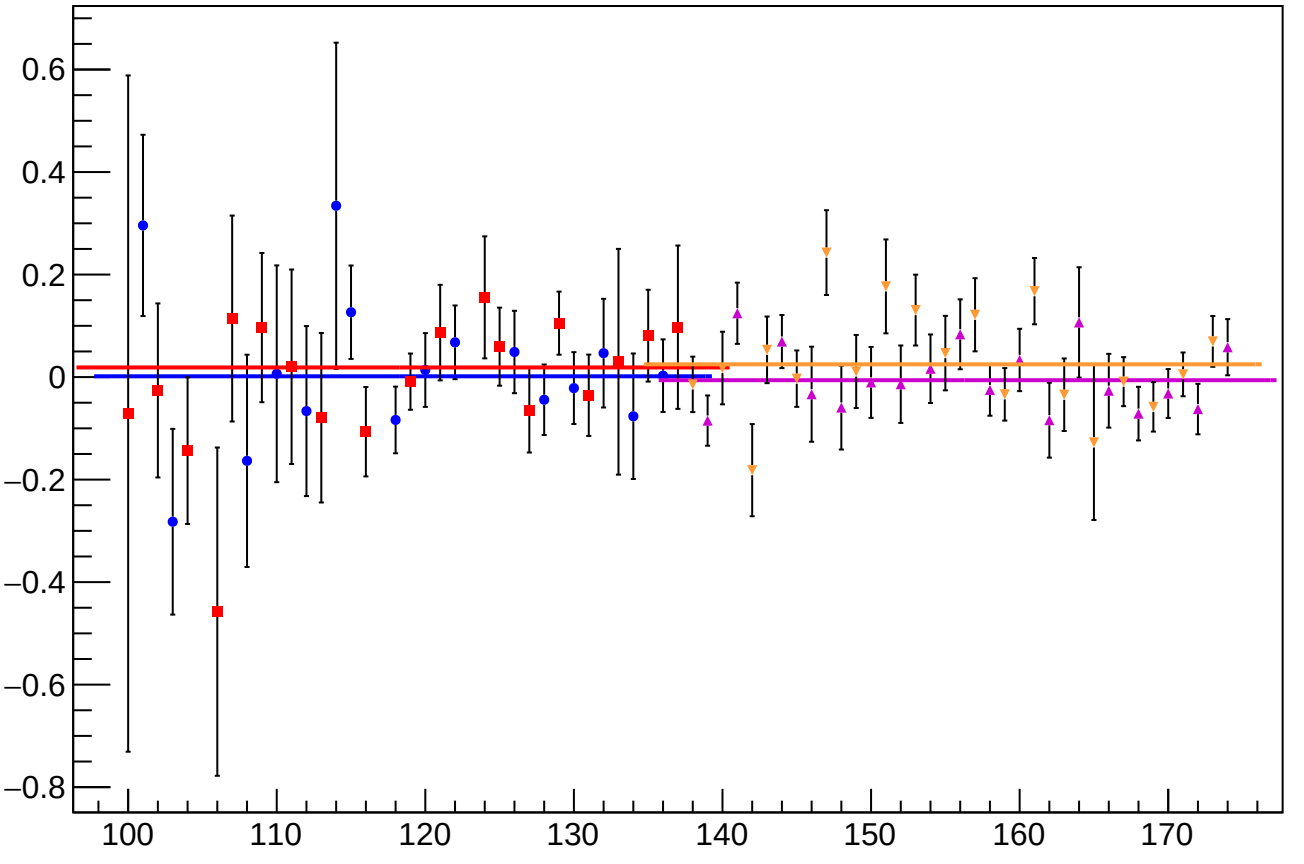
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.392+/-0.010 χ^2/NDF:997613.1/17

+ sign 53.602+/-0.009 χ^2/NDF: 3838605.1/34

All: 53.952+/-0.006 χ^2/NDF: 7422871.4/71

- 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: 0.025+/-0.014 χ^2/NDF:32.7/18

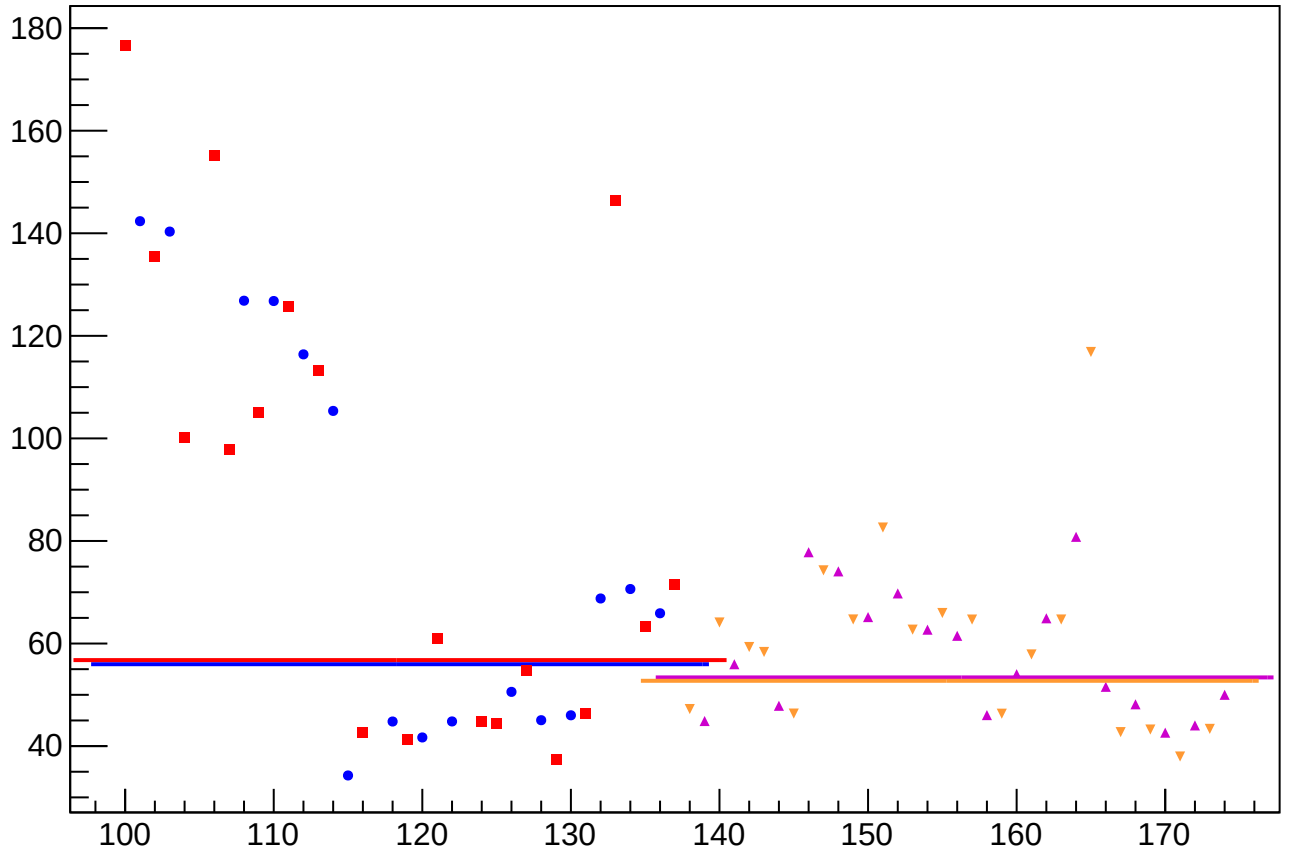
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.006+/-0.014 χ^2/NDF:19.3/17

+ sign 0.019+/-0.012 χ^2/NDF: 46.5/34

All: 0.010+/-0.009 χ^2/NDF: 80.7/71

- 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: 52.736+/-0.010 χ^2/NDF:1630885.7/18

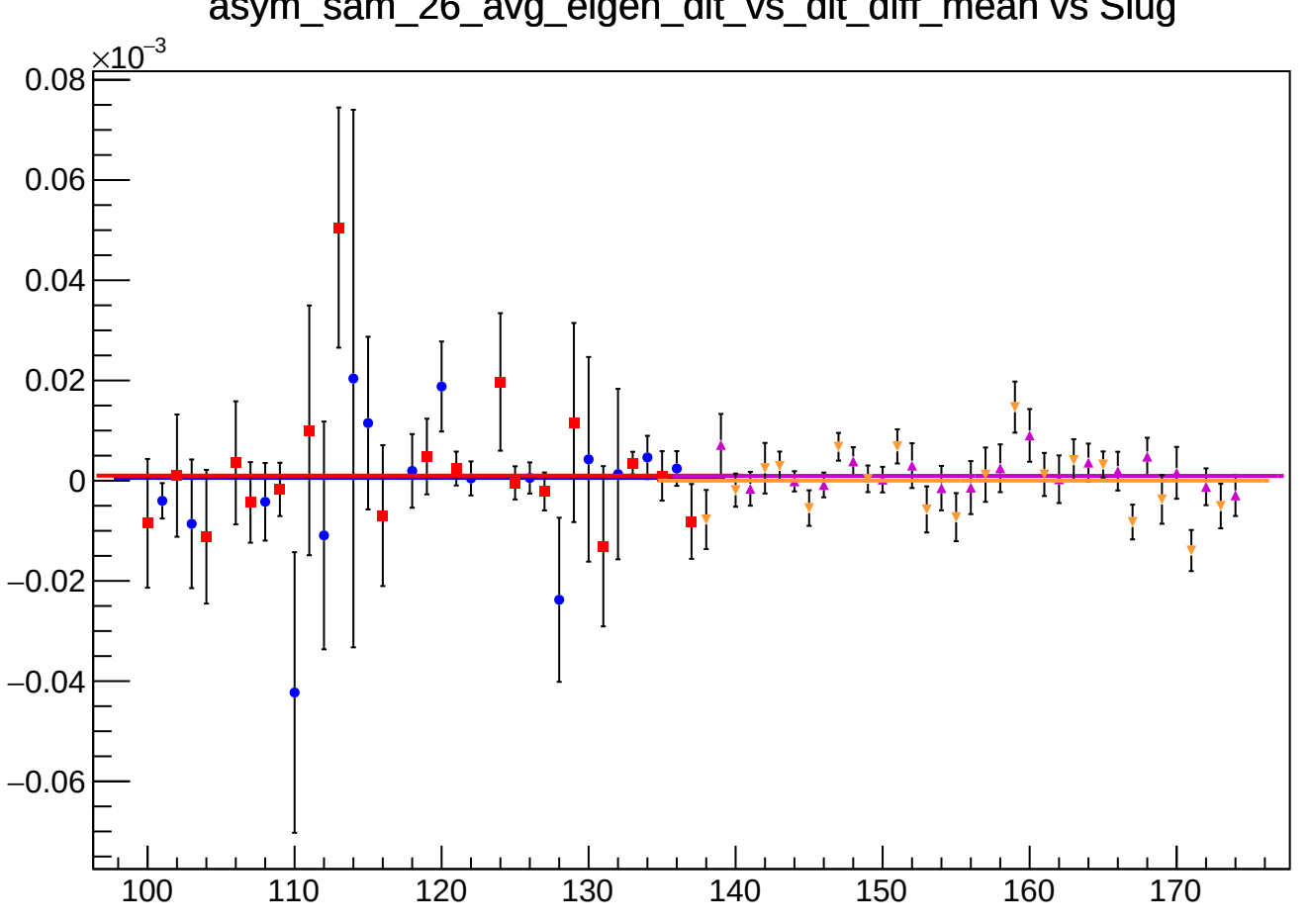
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.392+/-0.010 χ^2/NDF:997613.1/17

+ sign 53.602+/-0.009 χ^2/NDF: 3838605.1/34

All: 53.952+/-0.006 χ^2/NDF: 7422871.4/71

- 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:49.6/18

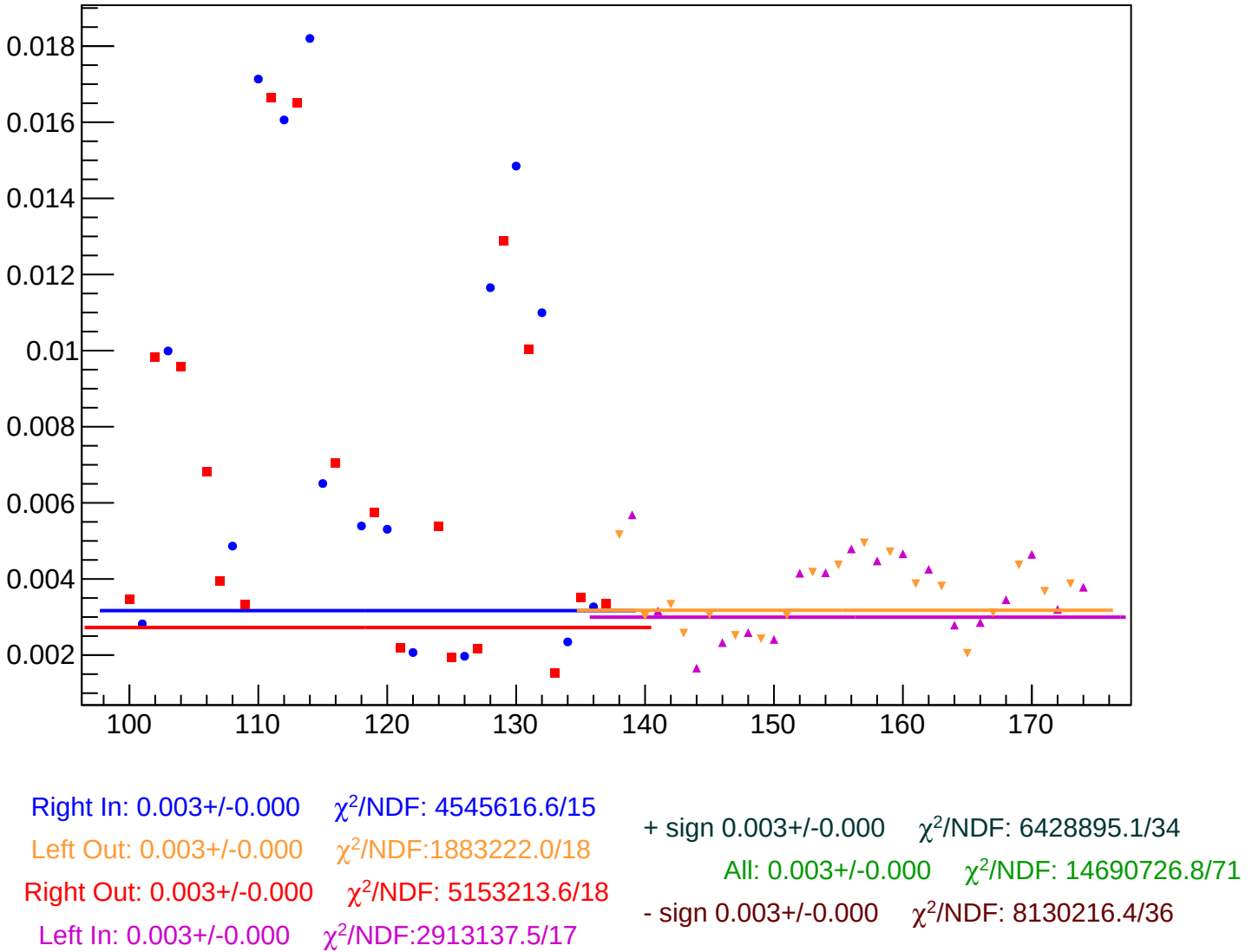
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

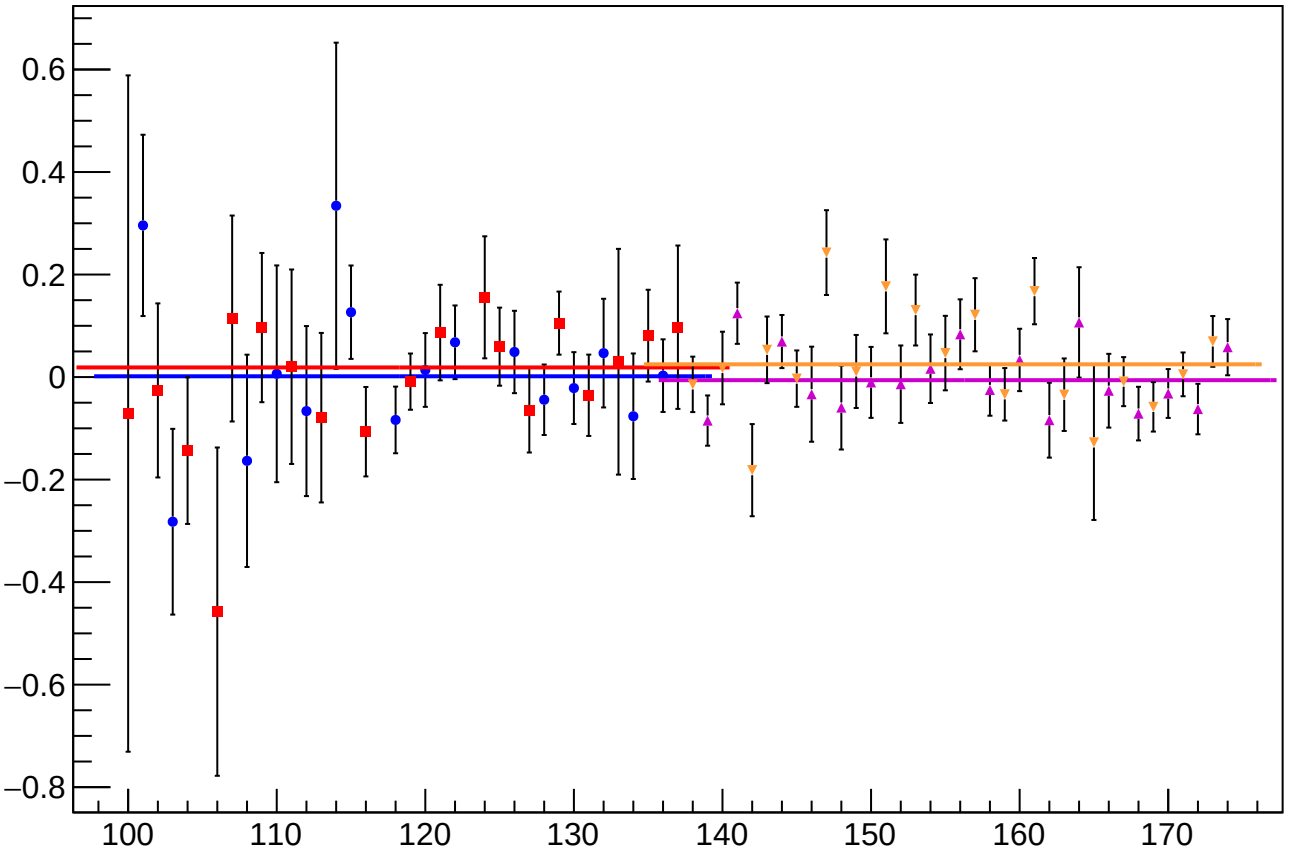
Left In: 0.000+/-0.000 χ^2/NDF:9.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 63.0/34

All: 0.000+/-0.000 χ^2/NDF: 87.1/71

- 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:1883222.0/18
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: 6428895.1/34
All: 0.003+/-0.000 χ²/NDF: 14690726.8/71
- sign 0.003+/-0.000 χ²/NDF: 8130216.4/36



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.025+/-0.014 χ^2/NDF:32.7/18

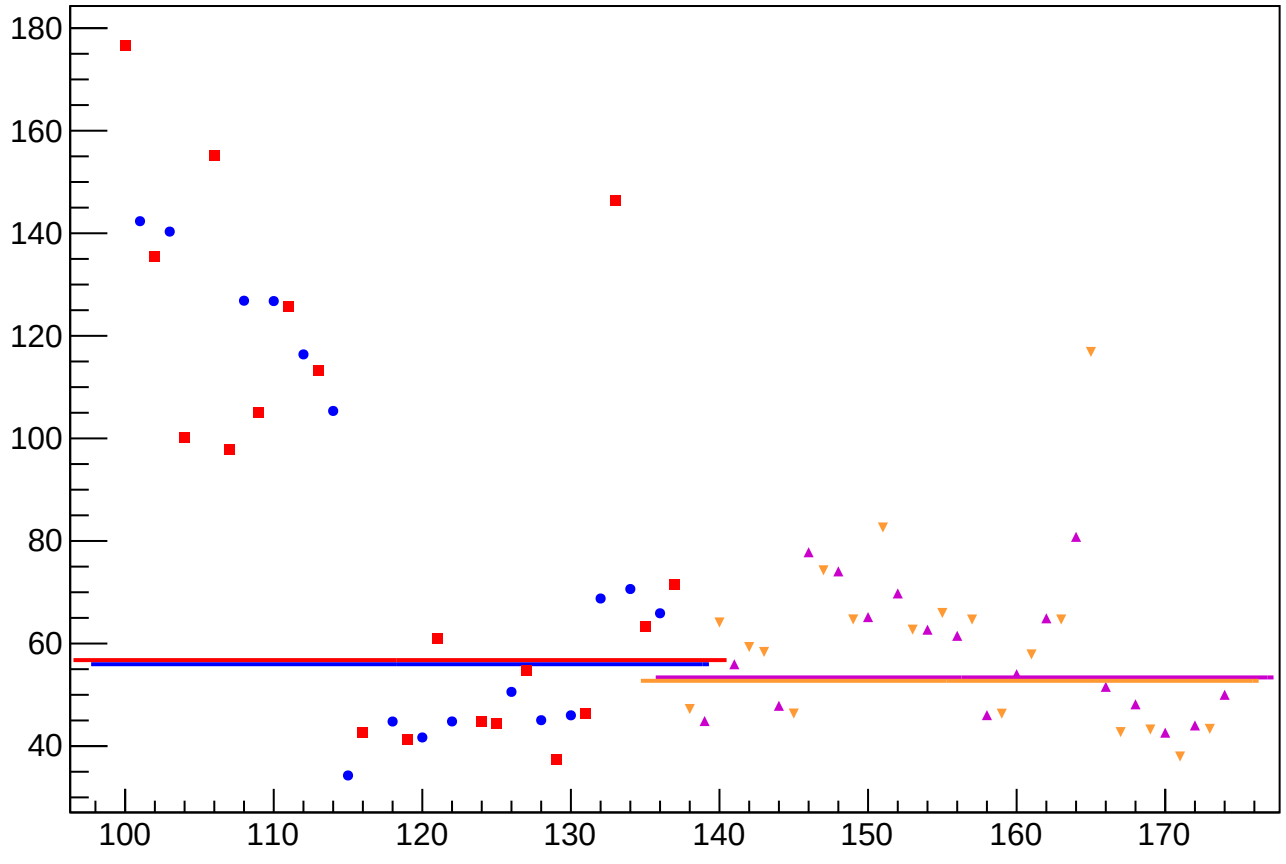
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.006+/-0.014 χ^2/NDF:19.3/17

+ sign 0.019+/-0.012 χ^2/NDF: 46.5/34

All: 0.010+/-0.009 χ^2/NDF: 80.7/71

- 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: 52.736+/-0.010 χ^2/NDF:1630872.7/18

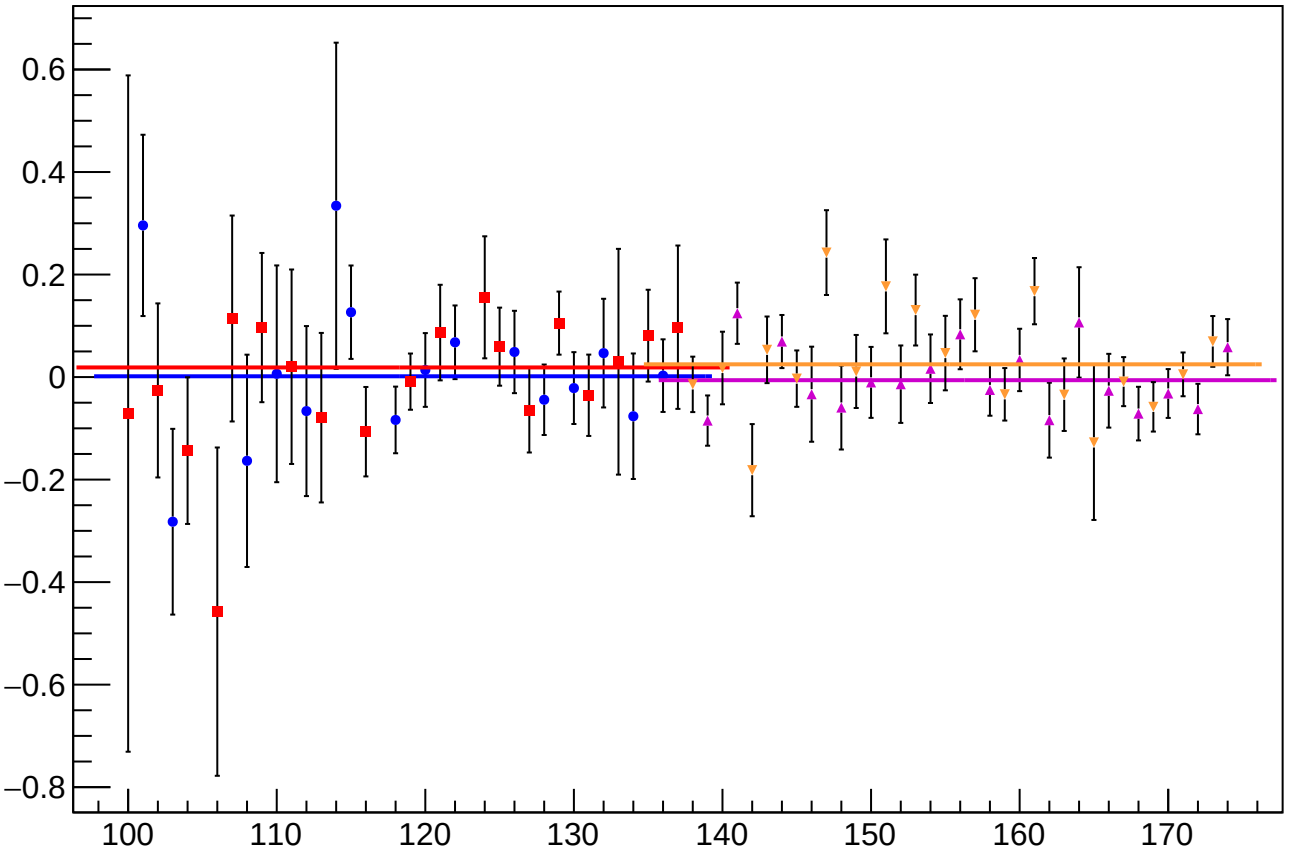
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.392+/-0.010 χ^2/NDF:997590.8/17

+ sign 53.603+/-0.009 χ^2/NDF: 3838507.6/34

All: 53.953+/-0.006 χ^2/NDF: 7422676.4/71

- 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: 0.025+/-0.014 χ^2/NDF:32.7/18

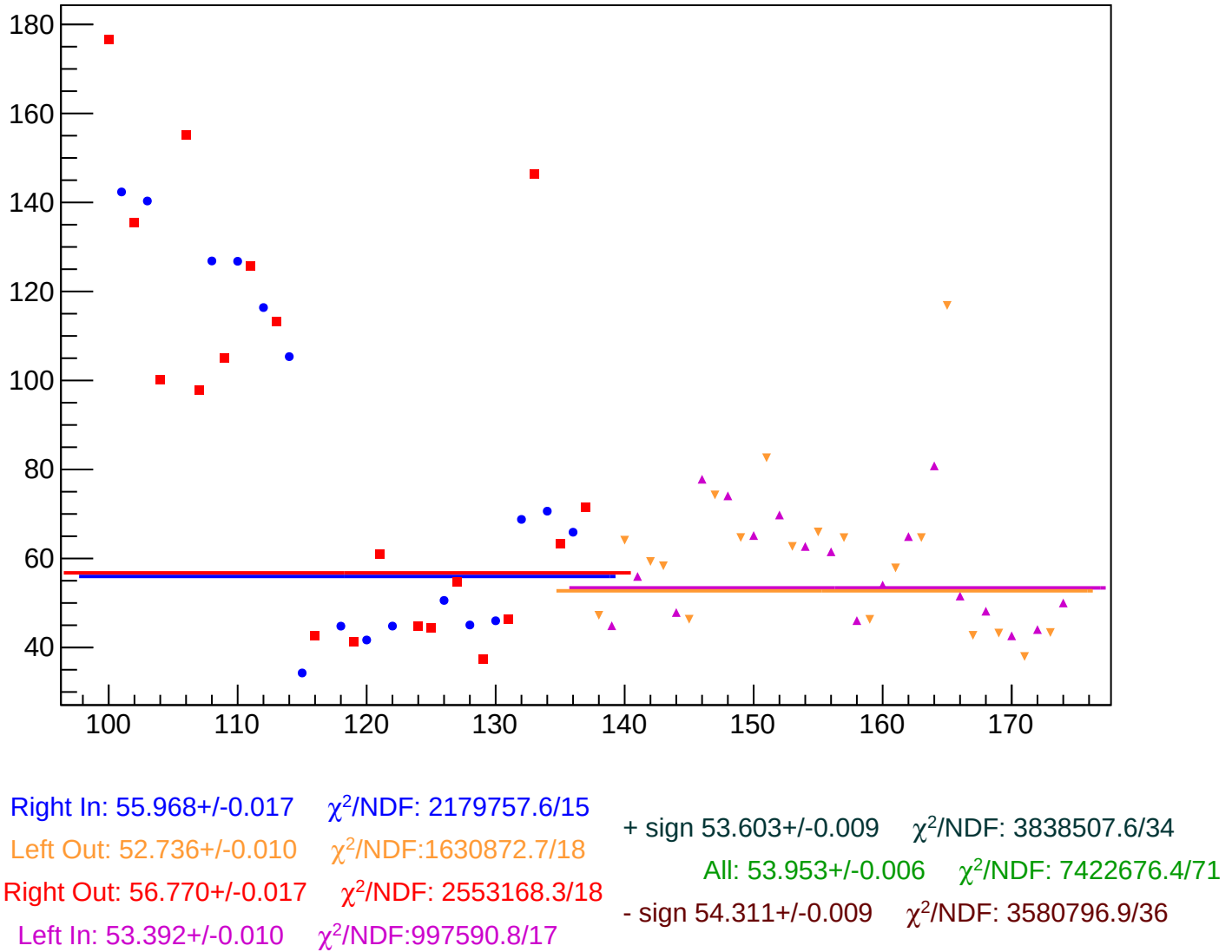
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

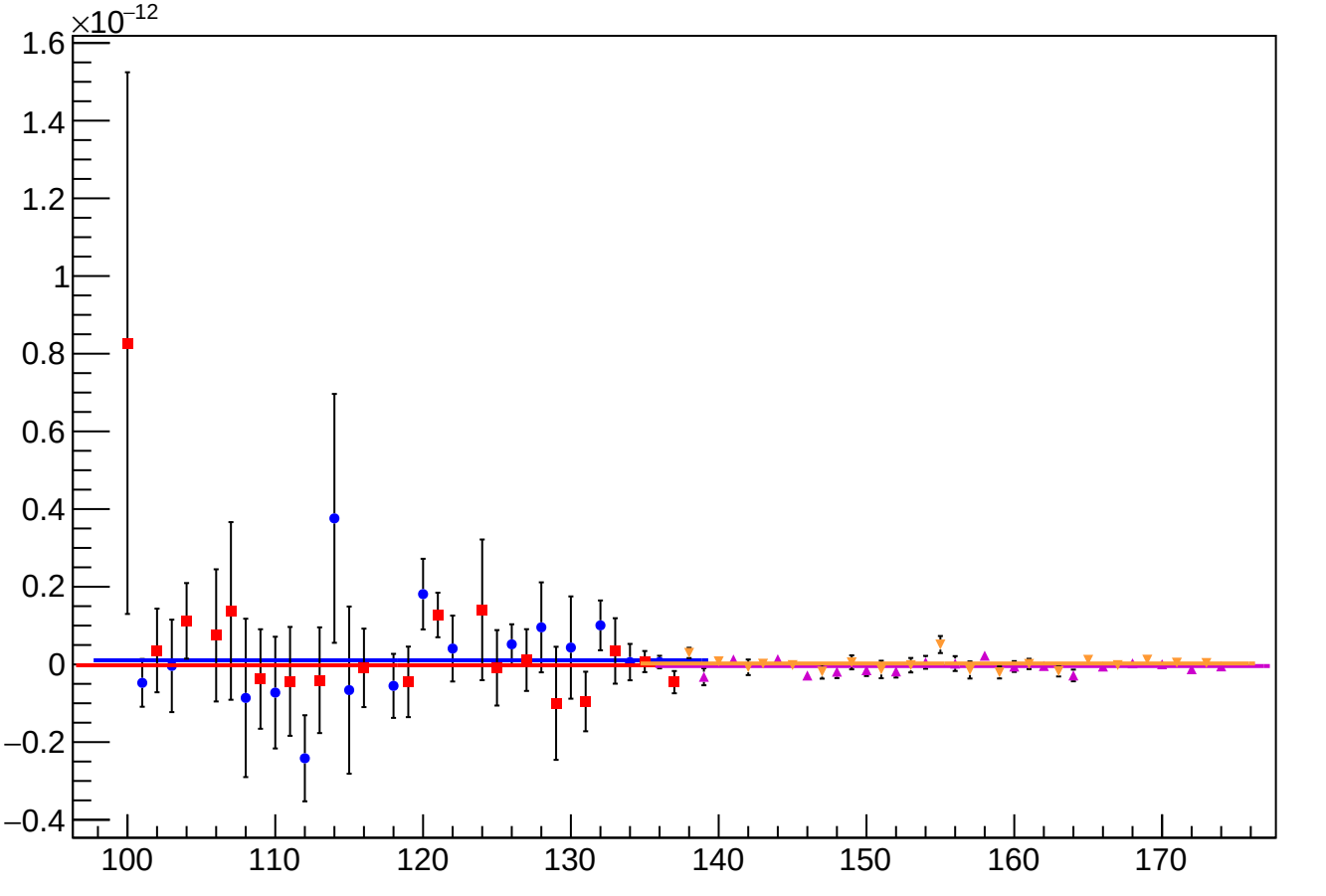
Left In: -0.006+/-0.014 χ^2/NDF:19.3/17

+ sign 0.019+/-0.012 χ^2/NDF: 46.5/34

All: 0.010+/-0.009 χ^2/NDF: 80.7/71

- sign 0.001+/-0.012 χ^2/NDF: 33.2/36


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
180
160
140
120
100
80
60
40
100
110
120
130
140
150
160
170
Right In: 55.968+/-0.017 χ²/NDF: 2179757.6/15
Left Out: 52.736+/-0.010 χ²/NDF:1630872.7/18
Right Out: 56.770+/-0.017 χ²/NDF: 2553168.3/18
Left In: 53.392+/-0.010 χ²/NDF:997590.8/17
+ sign 53.603+/-0.009 χ²/NDF: 3838507.6/34
All: 53.953+/-0.006 χ²/NDF: 7422676.4/71
- sign 54.311+/-0.009 χ²/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:19.6/18

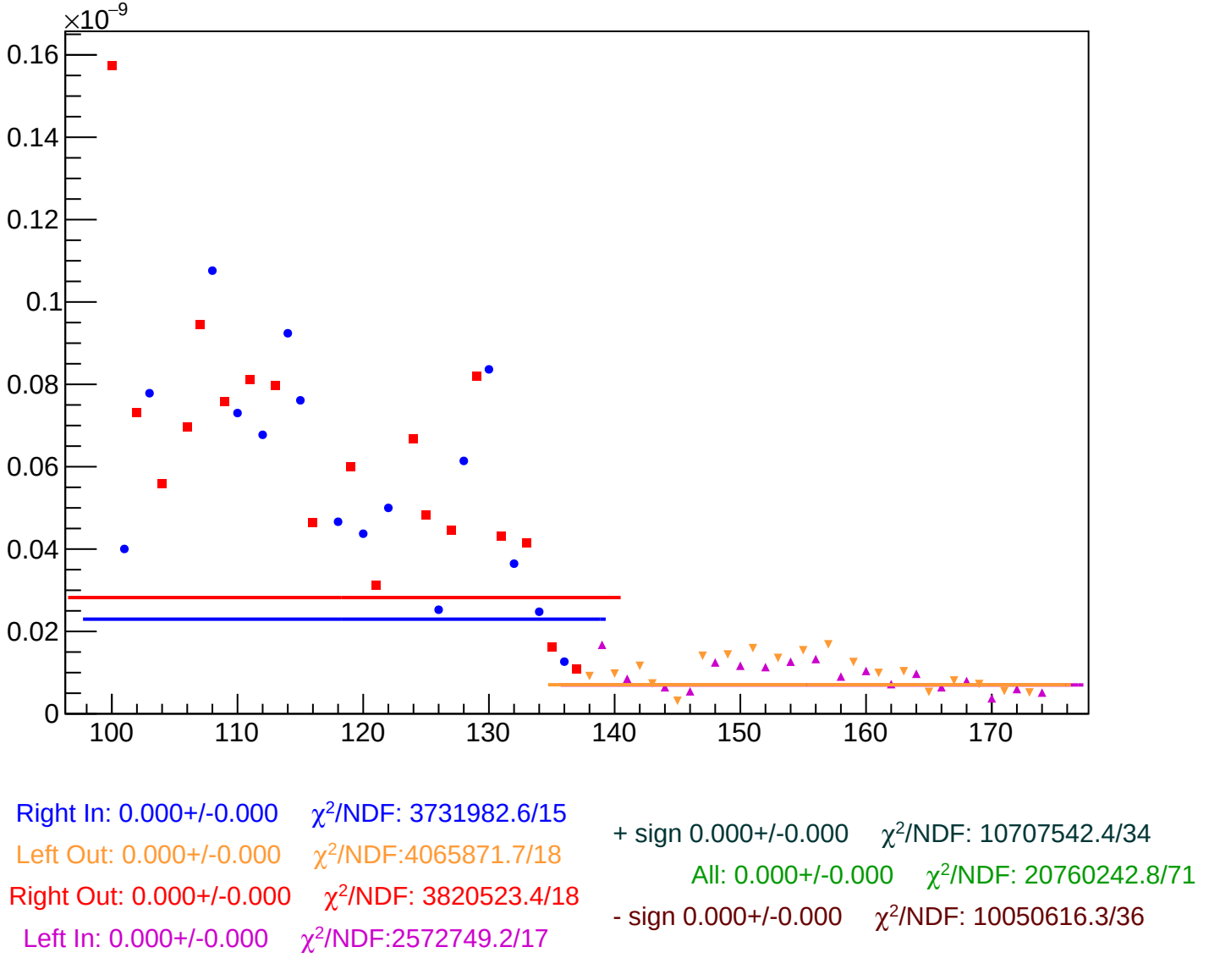
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:29.4/17

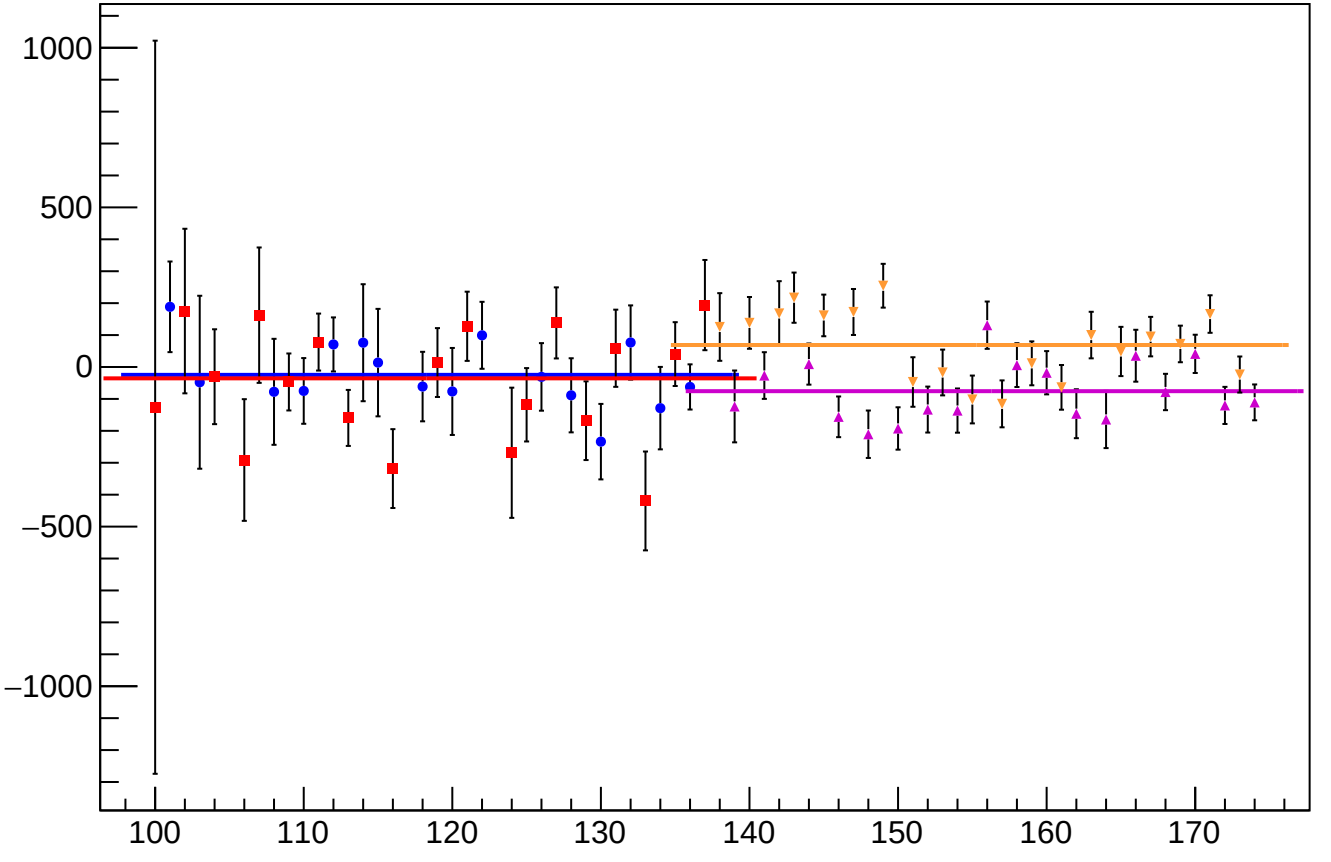
+ sign 0.000+/-0.000 χ^2/NDF: 35.6/34

All: -0.000+/-0.000 χ^2/NDF: 83.3/71

- sign -0.000+/-0.000 χ^2/NDF: 43.7/36


asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3731982.6/15
Left Out: 0.000+/-0.000 χ²/NDF:4065871.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 3820523.4/18
Left In: 0.000+/-0.000 χ²/NDF:2572749.2/17
+ sign 0.000+/-0.000 χ²/NDF: 10707542.4/34
All: 0.000+/-0.000 χ²/NDF: 20760242.8/71
- sign 0.000+/-0.000 χ²/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: 68.879+/-16.210 χ^2/NDF:42.2/18

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

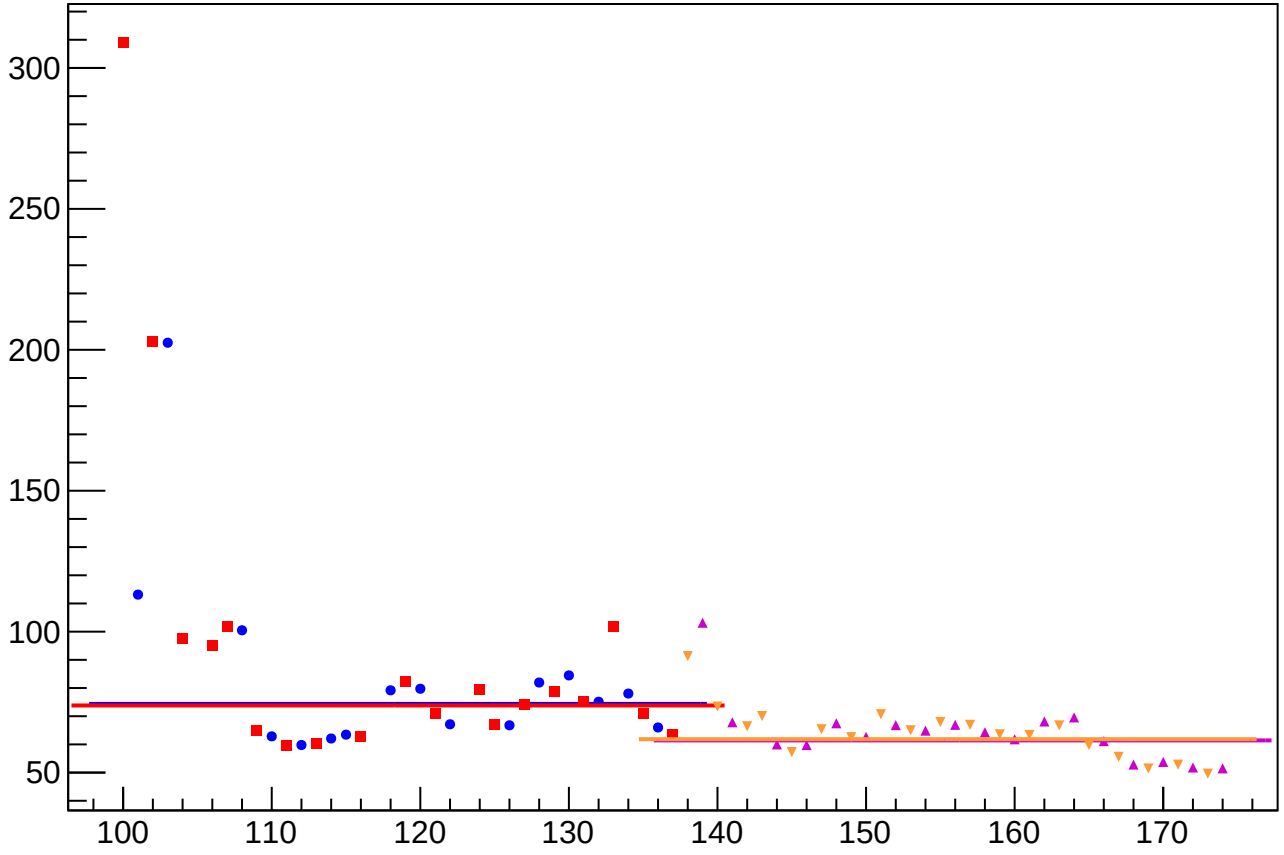
Left In: -75.735+/-16.177 χ^2/NDF:30.2/17

+ sign 46.515+/-14.139 χ^2/NDF: 61.2/34

All: -10.010+/-9.971 χ^2/NDF: 154.7/71

- 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: 61.854+/-0.011 χ^2/NDF:529272.3/18

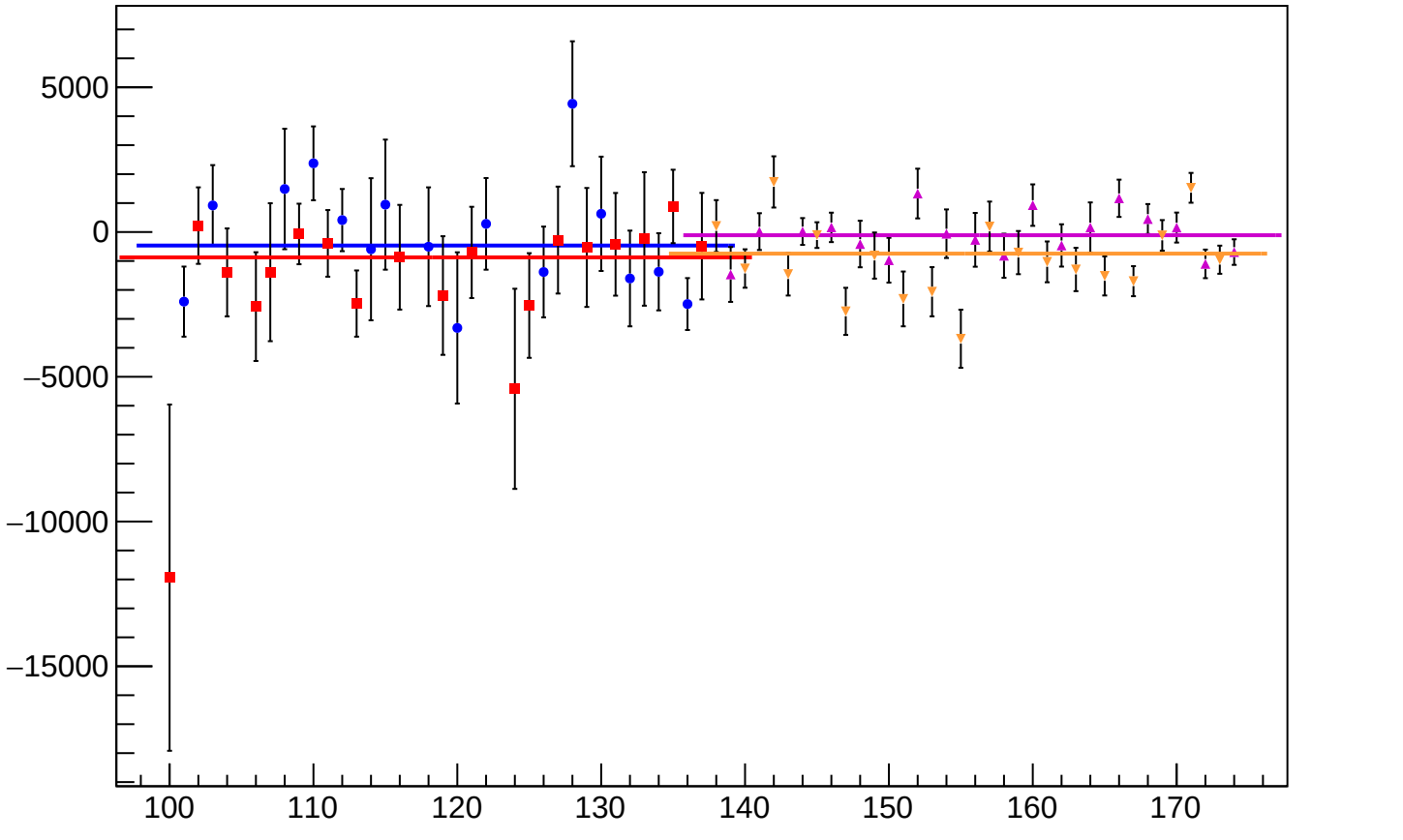
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 61.417+/-0.011 χ^2/NDF:565012.2/17

+ sign 64.847+/-0.010 χ^2/NDF: 1641976.8/34

All: 64.645+/-0.007 χ^2/NDF: 3426714.6/71

- 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: -745.664+/-153.003 χ^2/NDF:59.9/18

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

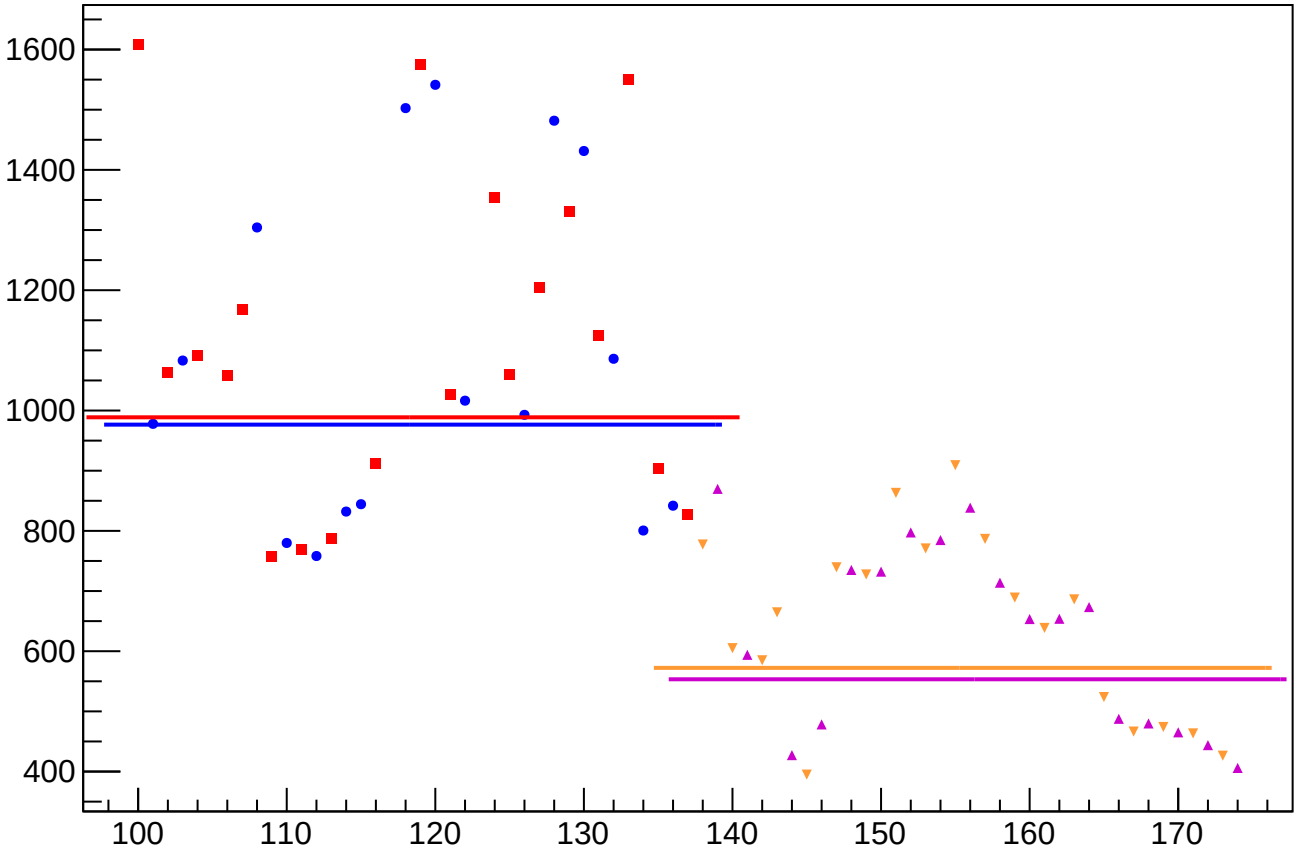
Left In: -110.366+/-148.636 χ^2/NDF:21.1/17

+ sign -705.833+/-141.667 χ^2/NDF: 84.1/34

All: -454.338+/-98.866 χ^2/NDF: 128.0/71

- 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: 572.309+/-0.108 χ^2/NDF:1813489.0/18

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

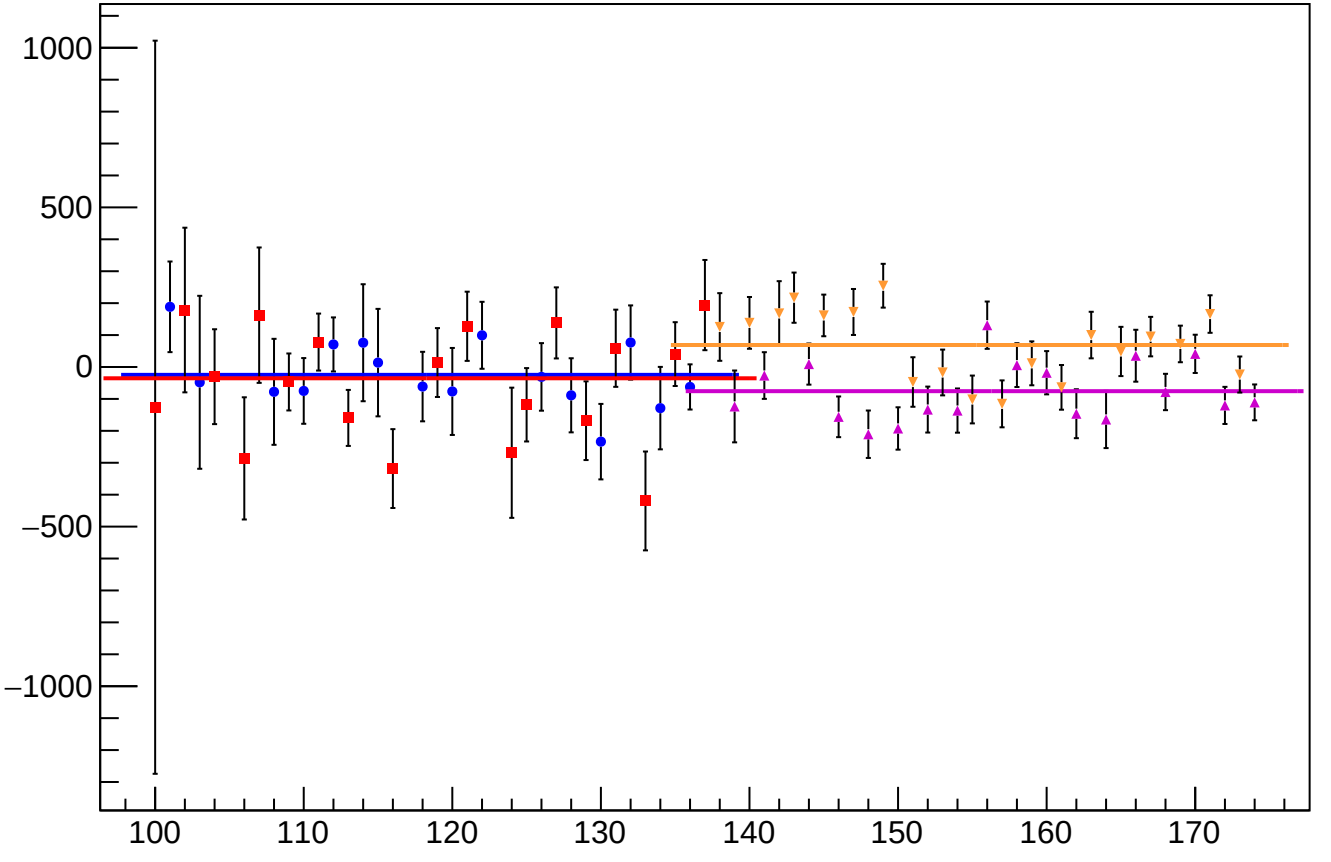
Left In: 553.336+/-0.105 χ^2/NDF:1778253.3/17

+ sign 629.997+/-0.100 χ^2/NDF: 4542527.2/34

All: 621.388+/-0.070 χ^2/NDF: 9411189.7/71

- 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: 68.882+/-16.210 χ^2/NDF:42.2/18

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

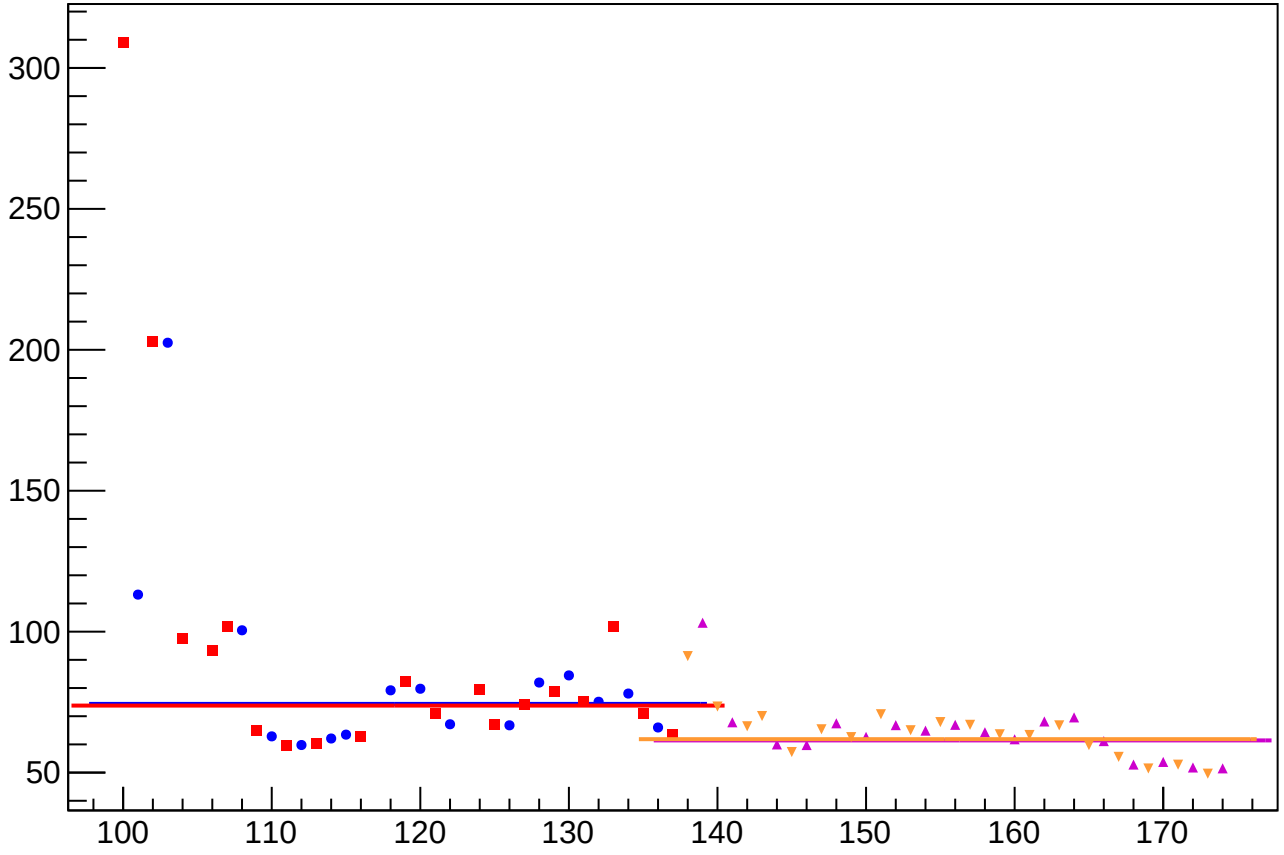
Left In: -75.733+/-16.177 χ^2/NDF:30.2/17

+ sign 46.515+/-14.139 χ^2/NDF: 61.2/34

All: -9.984+/-9.971 χ^2/NDF: 154.7/71

- 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: 61.854+/-0.011 χ^2/NDF:529272.3/18

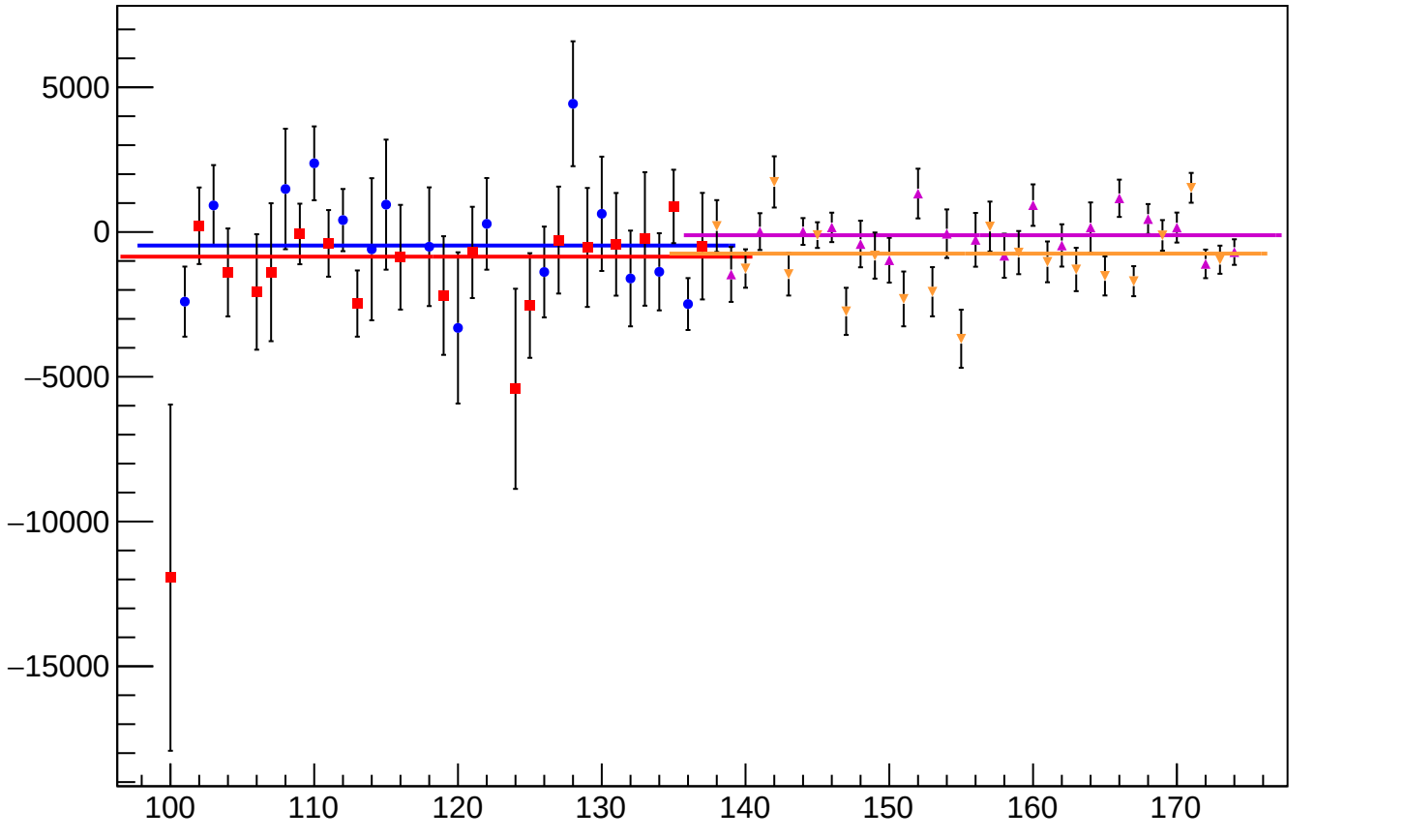
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.417+/-0.011 χ^2/NDF:565012.2/17

+ sign 64.847+/-0.010 χ^2/NDF: 1641978.7/34

All: 64.640+/-0.007 χ^2/NDF: 3420997.0/71

- 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: -745.660+/-153.003 χ^2/NDF:59.9/18

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

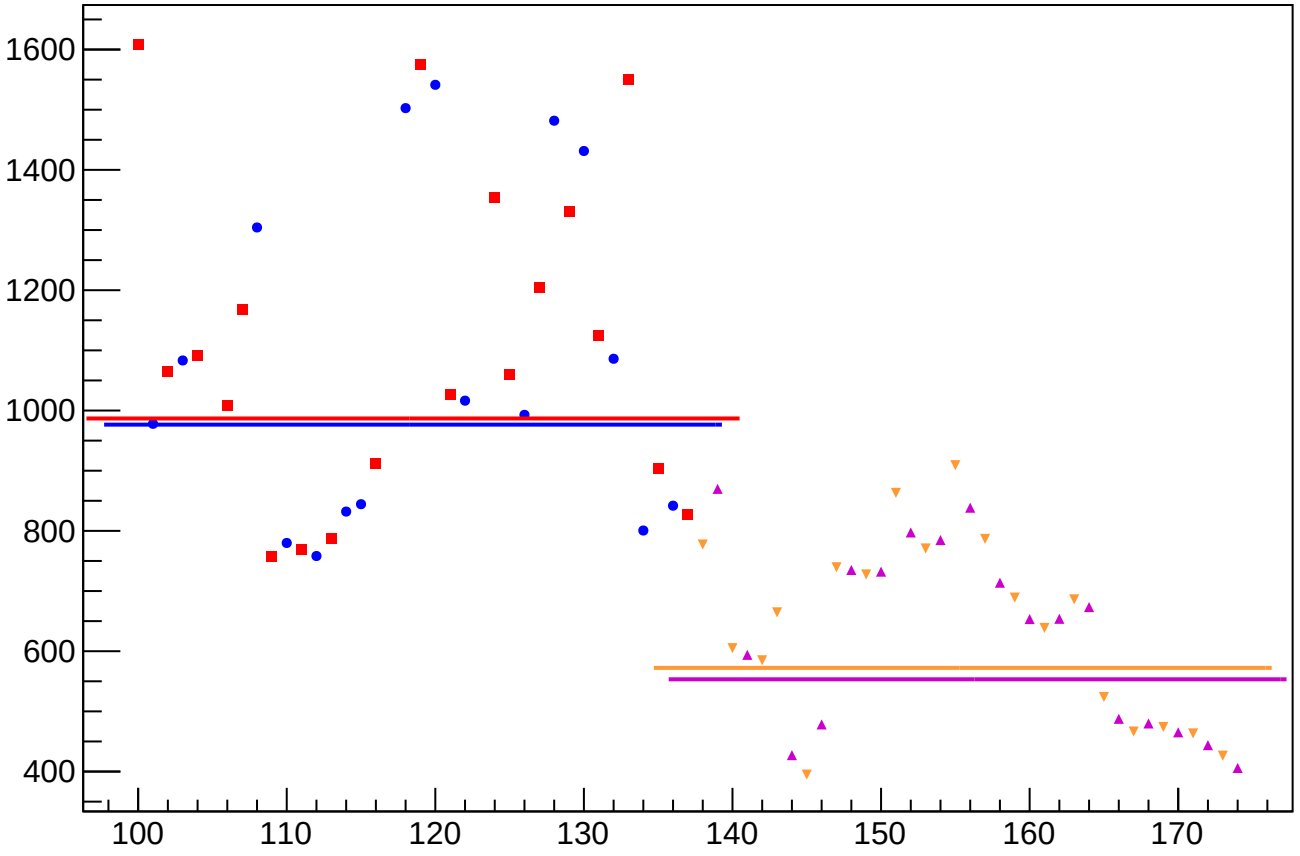
Left In: -110.364+/-148.636 χ^2/NDF:21.1/17

+ sign -705.828+/-141.667 χ^2/NDF: 84.1/34

All: -452.471+/-98.882 χ^2/NDF: 127.4/71

- 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: 572.309+/-0.108 χ^2/NDF:1813490.0/18

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

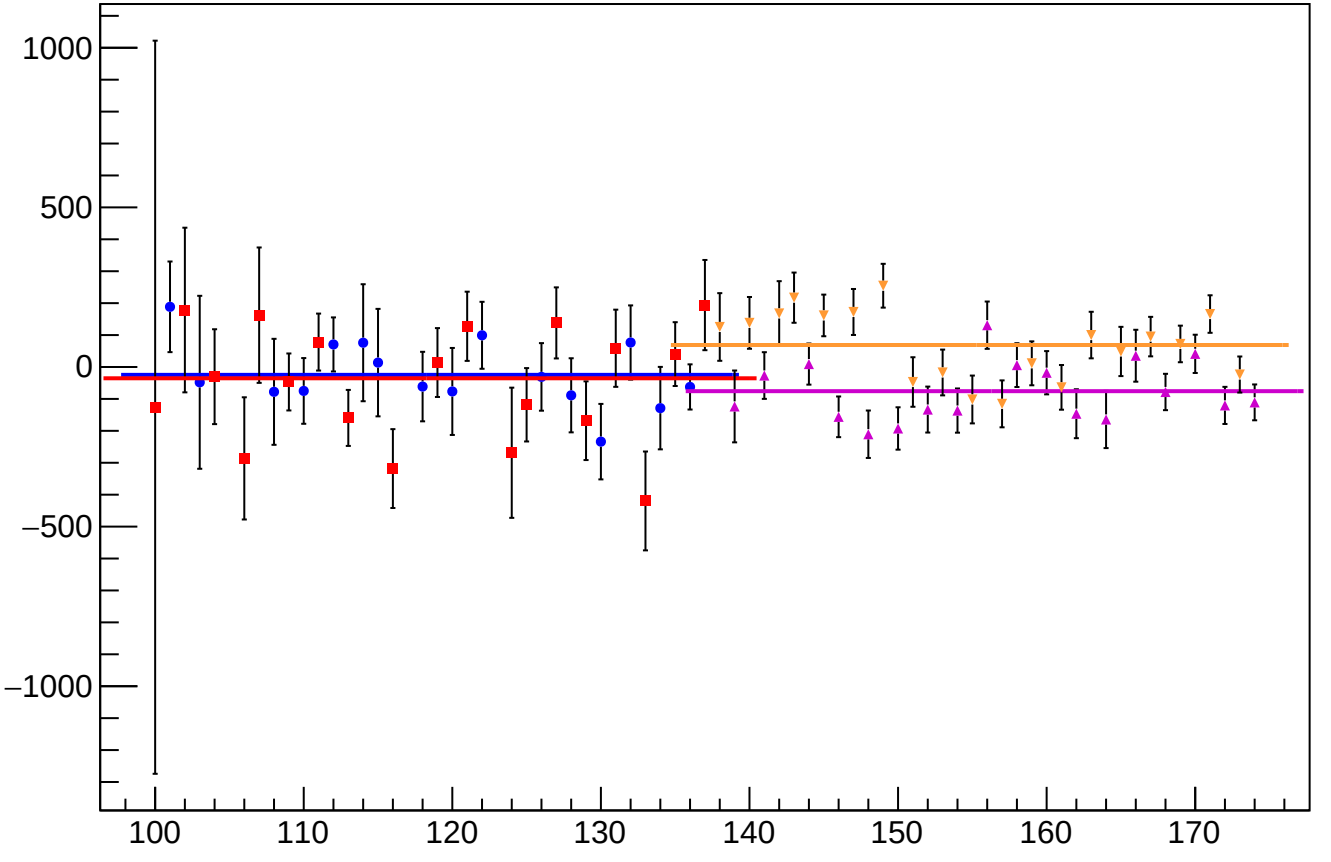
Left In: 553.336+/-0.105 χ^2/NDF:1778255.4/17

+ sign 629.996+/-0.100 χ^2/NDF: 4542588.3/34

All: 621.133+/-0.070 χ^2/NDF: 9379527.8/71

- 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: 68.882+/-16.210 χ^2/NDF:42.2/18

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

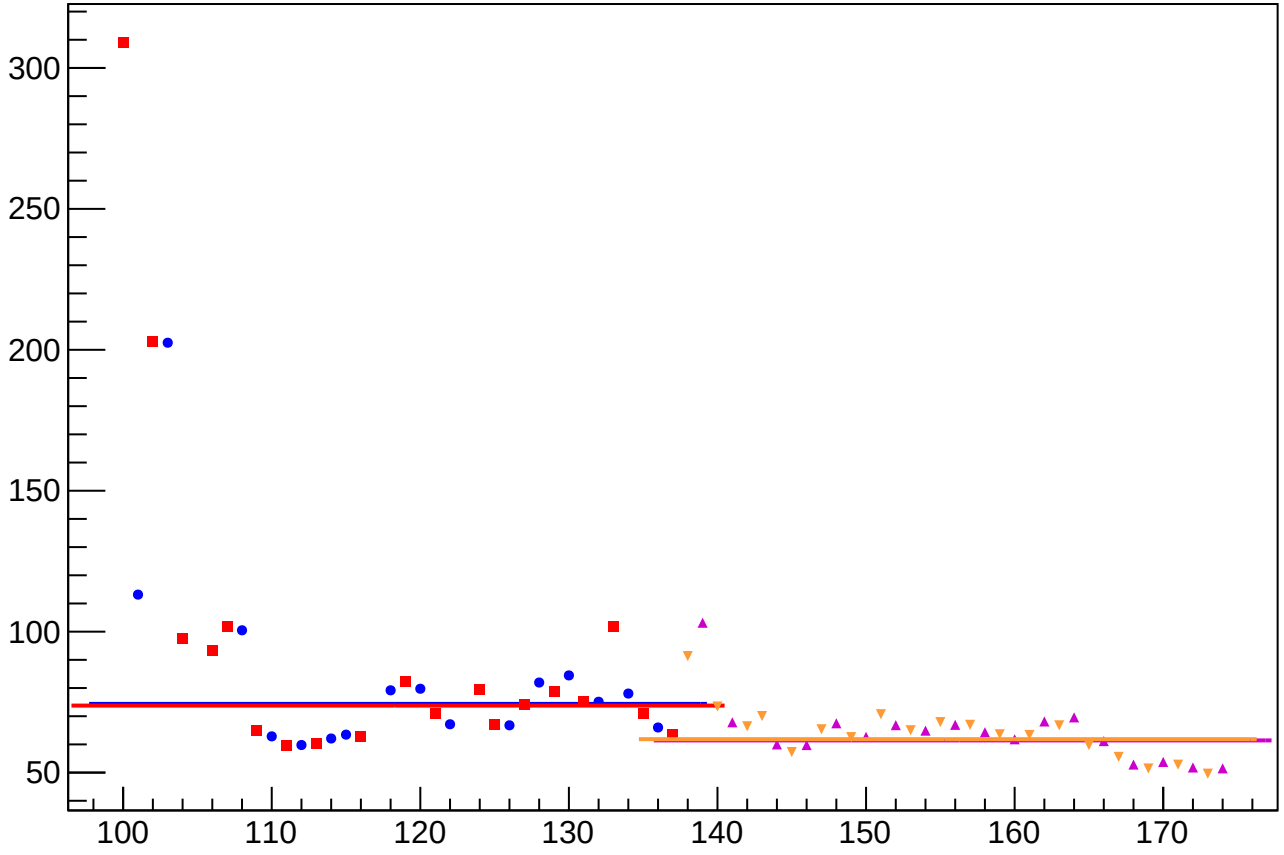
Left In: -75.733+/-16.177 χ^2/NDF:30.2/17

+ sign 46.515+/-14.139 χ^2/NDF: 61.2/34

All: -9.984+/-9.971 χ^2/NDF: 154.7/71

- 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: 61.854+/-0.011 χ^2/NDF:529272.3/18

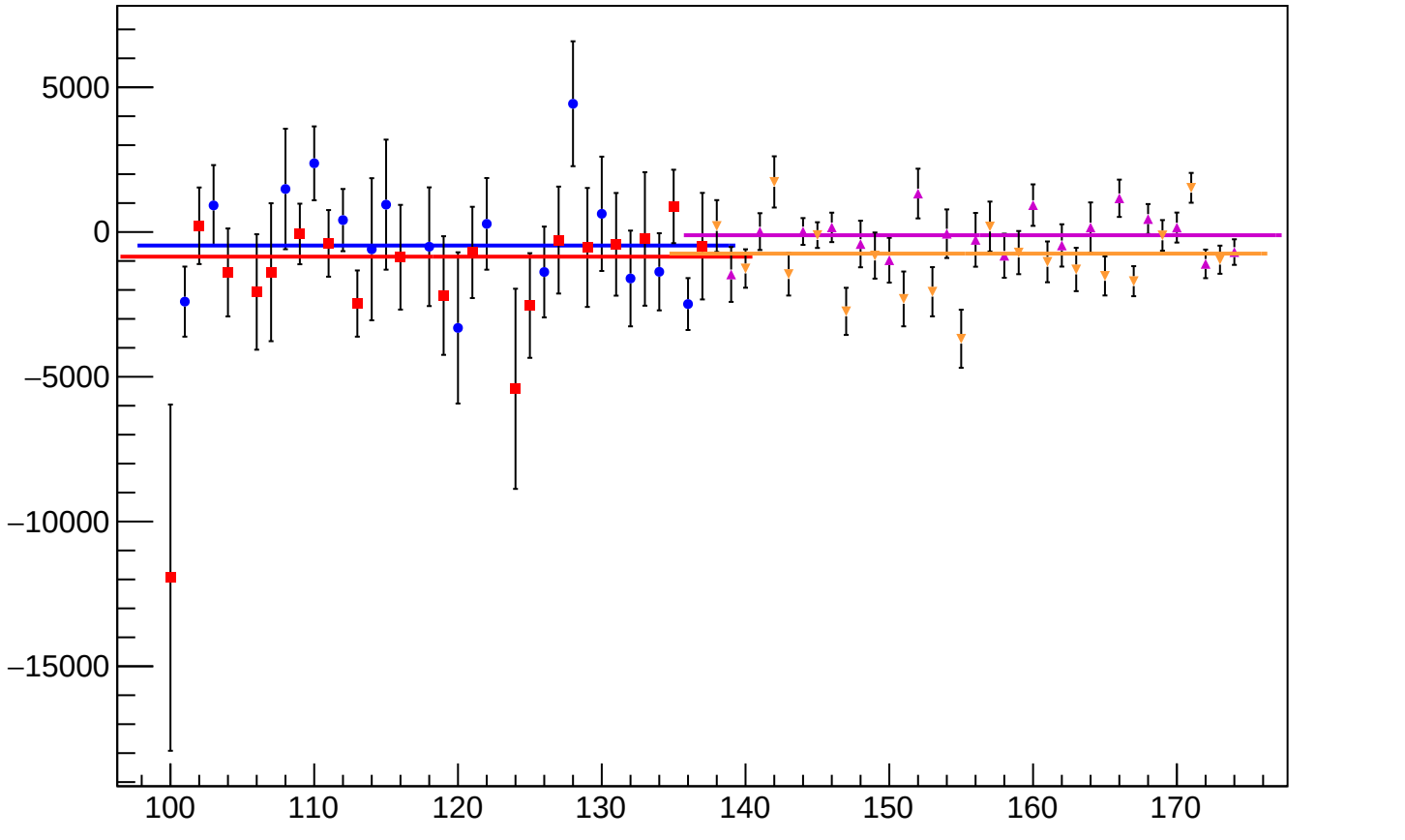
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.417+/-0.011 χ^2/NDF:565012.2/17

+ sign 64.847+/-0.010 χ^2/NDF: 1641978.7/34

All: 64.640+/-0.007 χ^2/NDF: 3420997.0/71

- 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: -745.660+/-153.003 χ^2/NDF:59.9/18

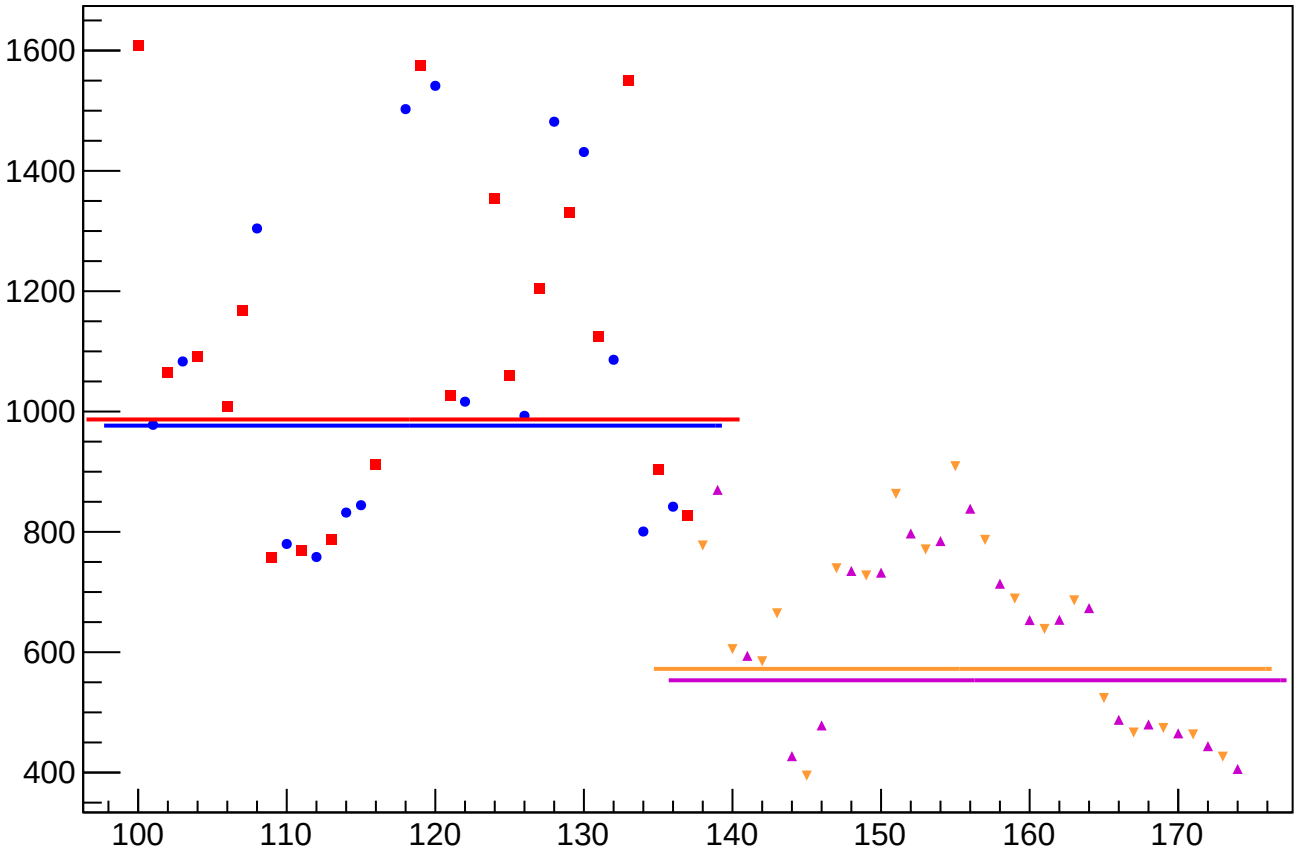
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -110.364+/-148.636 χ^2/NDF:21.1/17

+ sign -705.828+/-141.667 χ^2/NDF: 84.1/34

All: -452.471+/-98.882 χ^2/NDF: 127.4/71

- 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: 572.309+/-0.108 χ^2/NDF:1813490.0/18

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

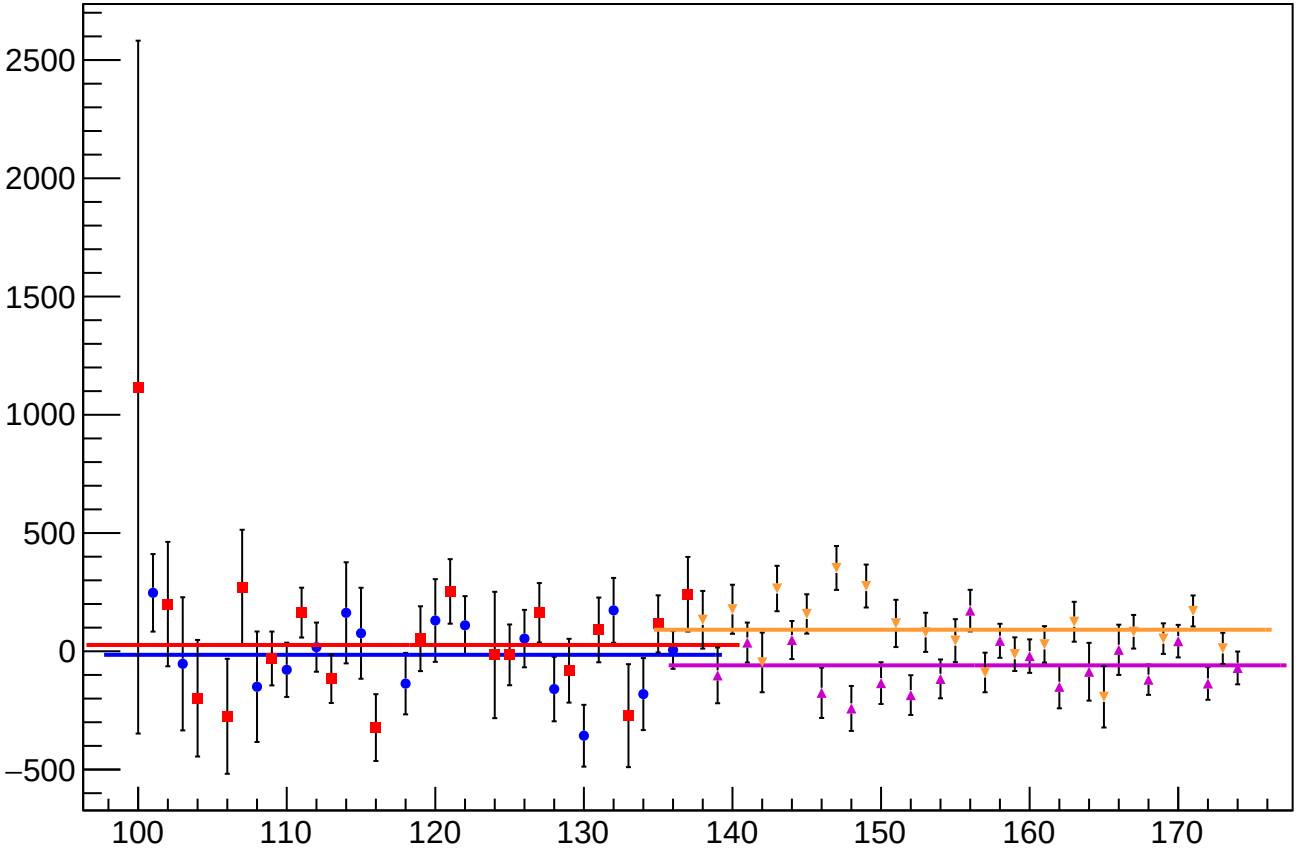
Left In: 553.336+/-0.105 χ^2/NDF:1778255.4/17

+ sign 629.996+/-0.100 χ^2/NDF: 4542588.3/34

All: 621.133+/-0.070 χ^2/NDF: 9379527.8/71

- 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: 91.100+/-19.281 χ^2/NDF:33.9/18

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

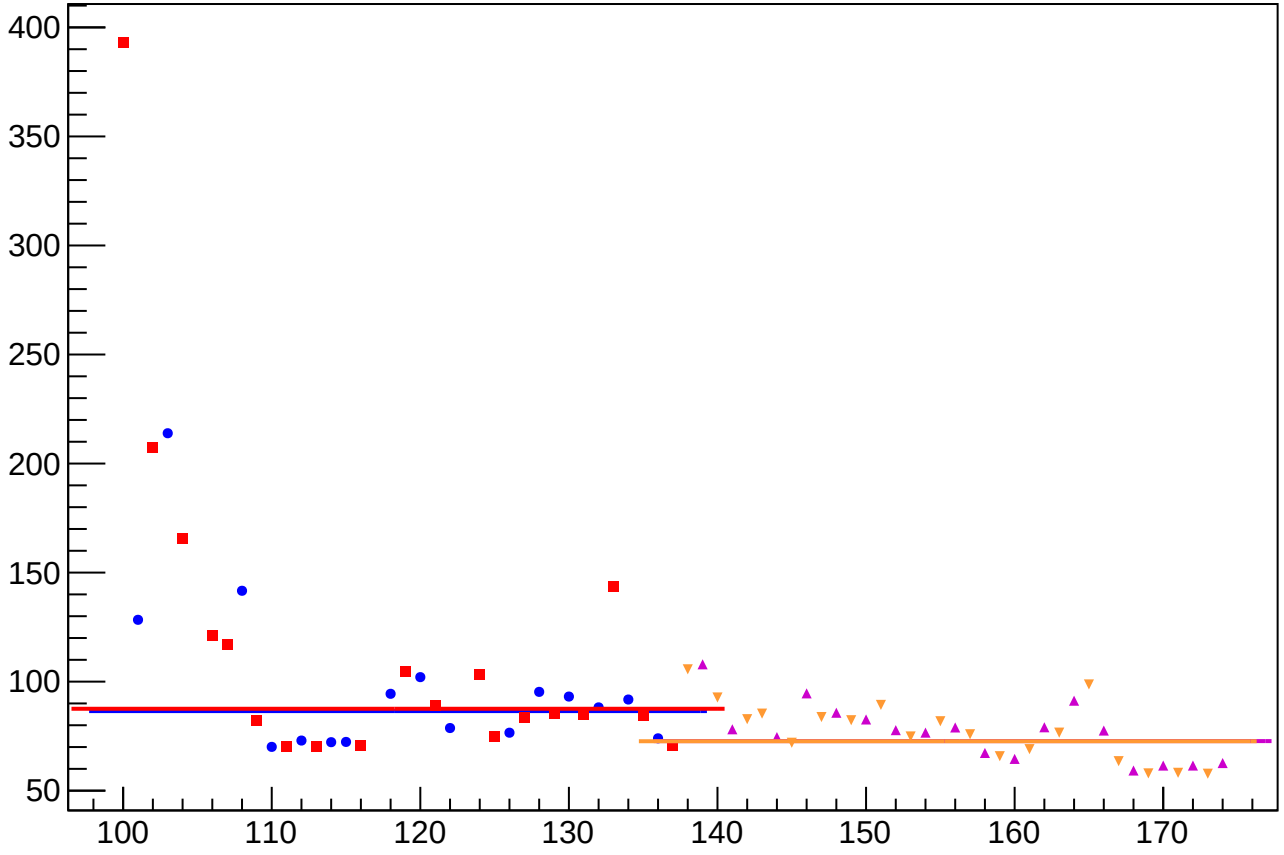
Left In: -59.488+/-19.415 χ^2/NDF:26.6/17

+ sign 65.017+/-16.743 χ^2/NDF: 59.6/34

All: 13.707+/-11.883 χ^2/NDF: 133.6/71

- 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: 72.665+/-0.014 χ^2/NDF:845034.4/18

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

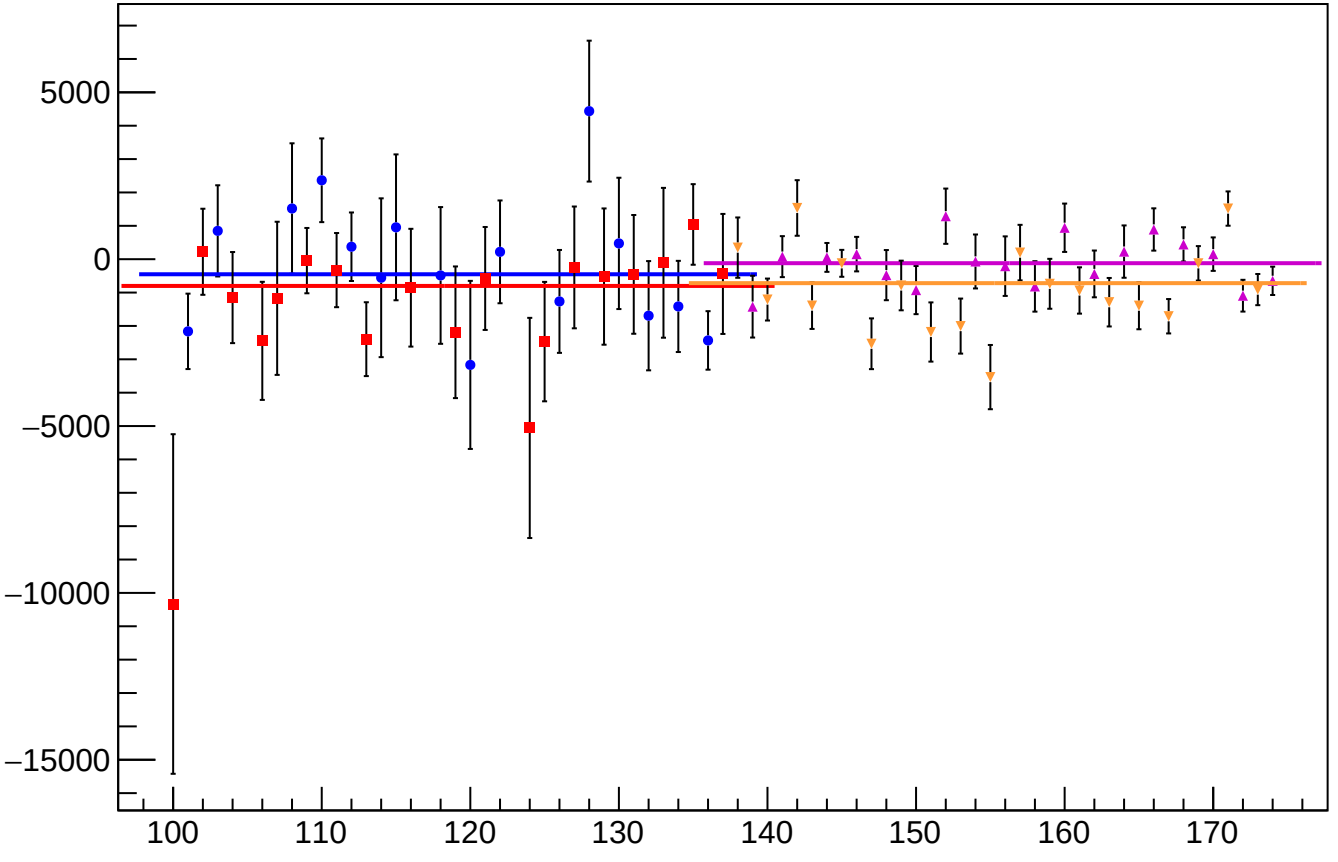
Left In: 72.730+/-0.014 χ^2/NDF:690970.9/17

+ sign 76.065+/-0.012 χ^2/NDF: 1954142.8/34

All: 76.213+/-0.008 χ^2/NDF: 4061035.9/71

- 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: -717.720+/-147.694 χ^2/NDF:58.8/18

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

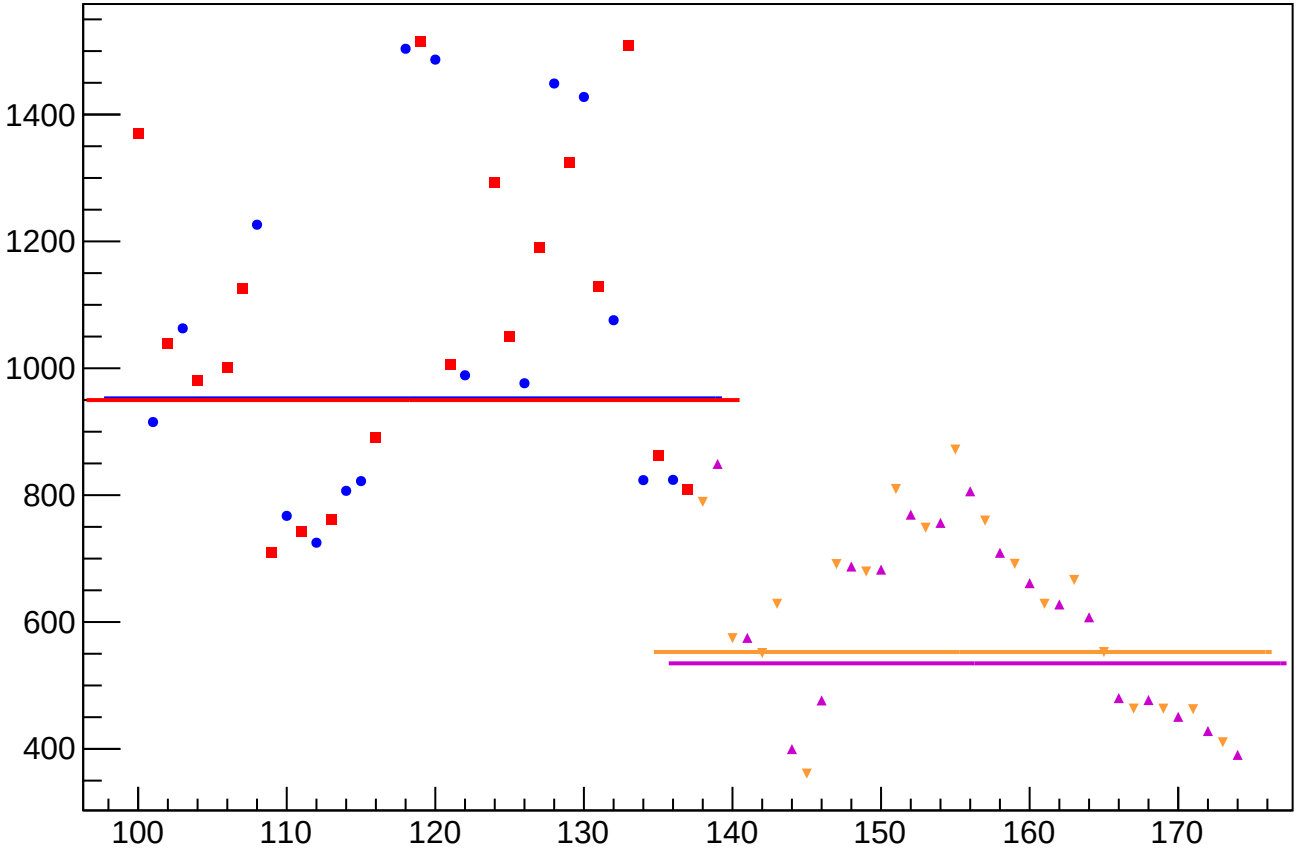
Left In: -119.747+/-143.781 χ^2/NDF:20.1/17

+ sign -680.354+/-136.942 χ^2/NDF: 83.0/34

All: -441.332+/-95.561 χ^2/NDF: 125.7/71

- 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: 552.773+/-0.104 χ^2/NDF:1872885.8/18

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

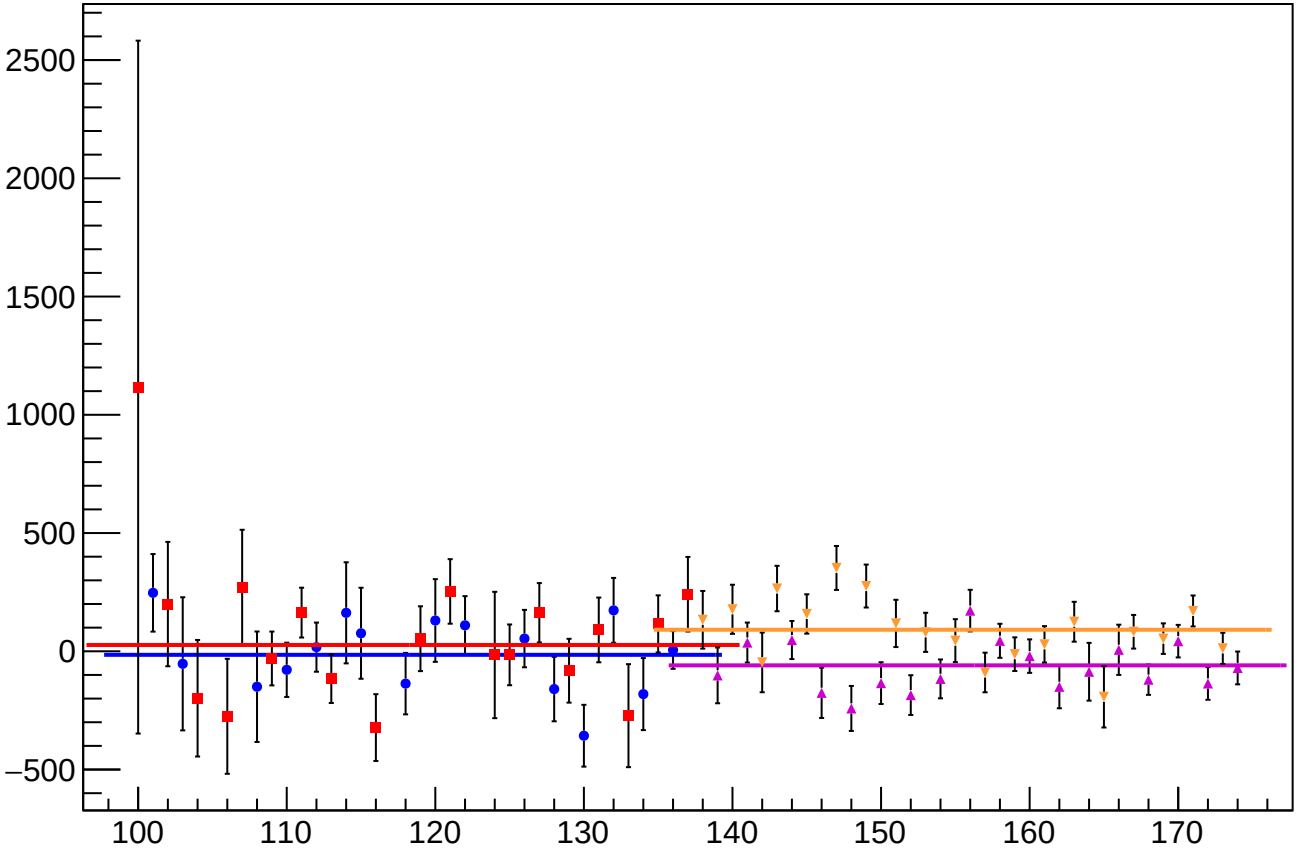
Left In: 534.882+/-0.102 χ^2/NDF:1768820.5/17

\+ sign 608.860+/-0.097 χ^2/NDF: 4675084.9/34

All: 600.499+/-0.068 χ^2/NDF: 9525981.6/71

\- 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: 91.101+/-19.281 χ^2/NDF:33.9/18

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

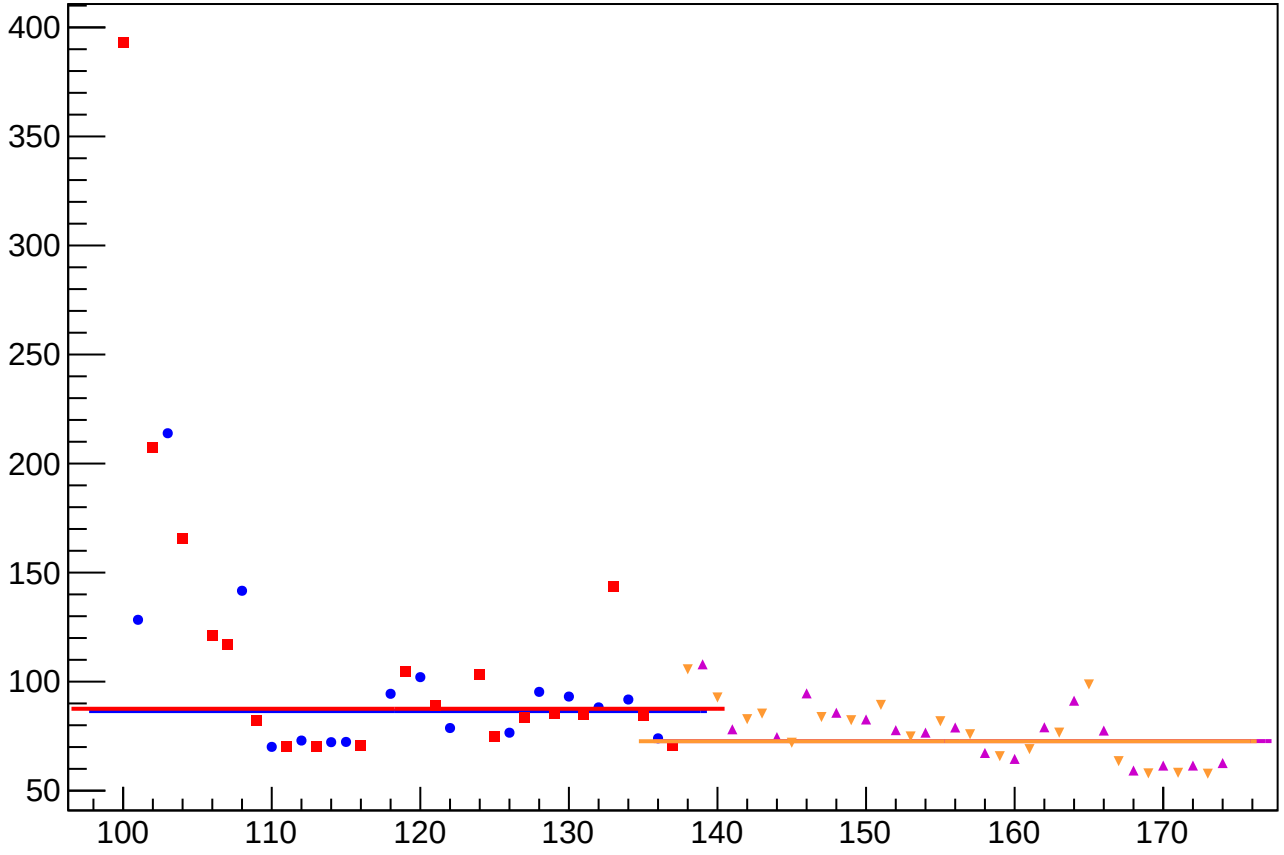
Left In: -59.487+/-19.415 χ^2/NDF:26.6/17

+ sign 65.017+/-16.743 χ^2/NDF: 59.6/34

All: 13.707+/-11.883 χ^2/NDF: 133.6/71

- 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: 72.665+/-0.014 χ^2/NDF:845044.8/18

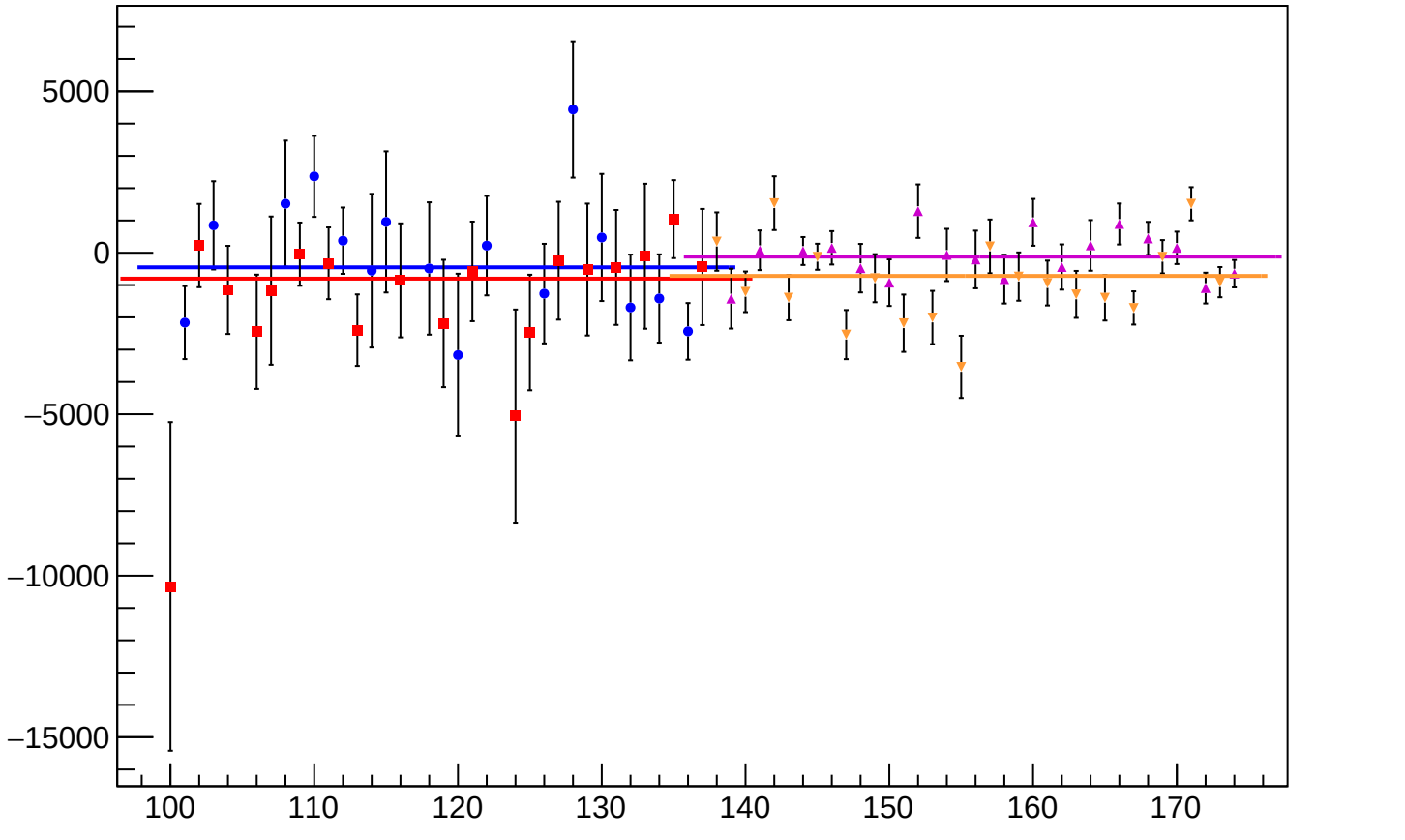
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 72.730+/-0.014 χ^2/NDF:690976.8/17

+ sign 76.065+/-0.012 χ^2/NDF: 1954148.0/34

All: 76.213+/-0.008 χ^2/NDF: 4061050.9/71

- 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: -717.721+/-147.693 χ^2/NDF:58.8/18

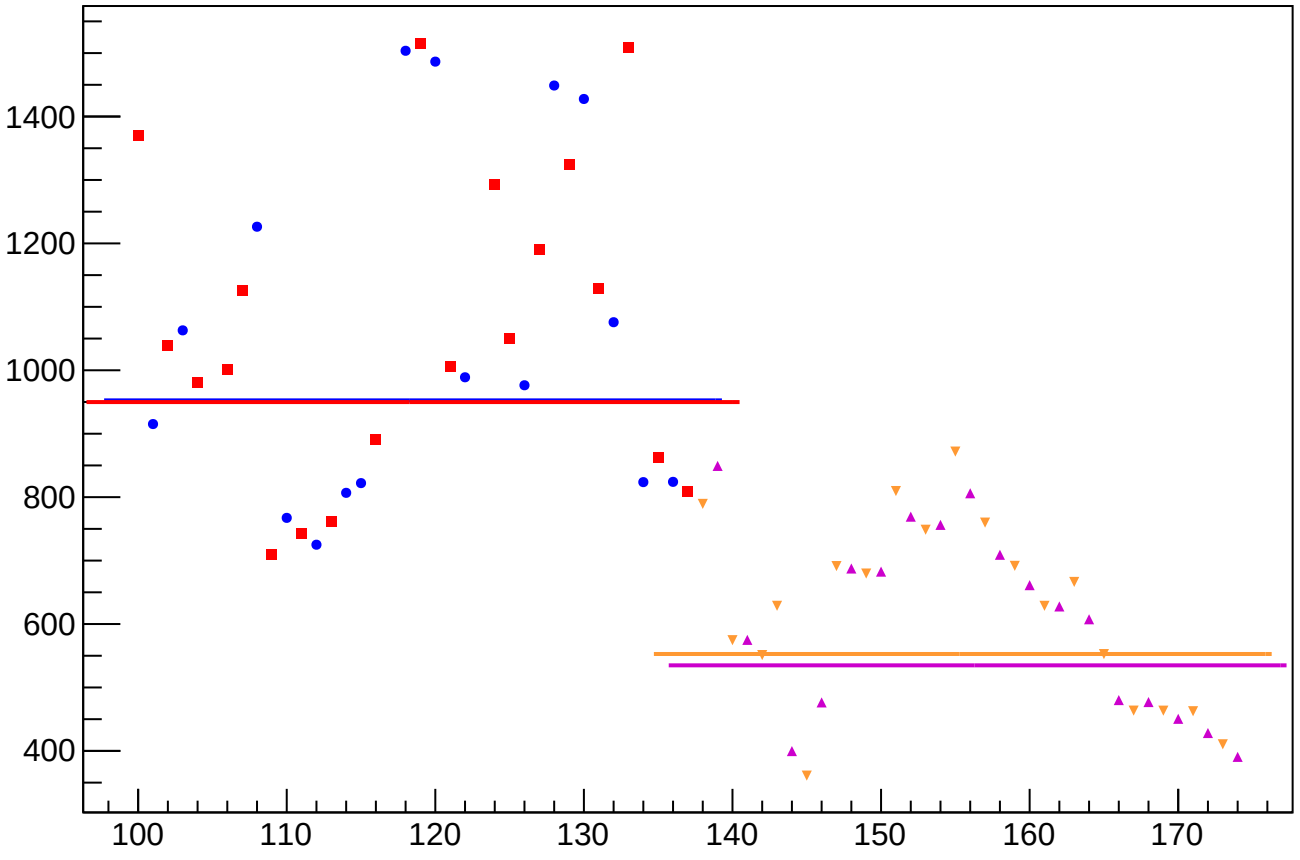
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -119.746+/-143.781 χ^2/NDF:20.1/17

+ sign -680.354+/-136.942 χ^2/NDF: 83.0/34

All: -441.332+/-95.561 χ^2/NDF: 125.7/71

- sign -214.460+/-133.416 χ^2/NDF: 36.8/36



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 552.772+/-0.104 χ^2/NDF:1872881.7/18

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

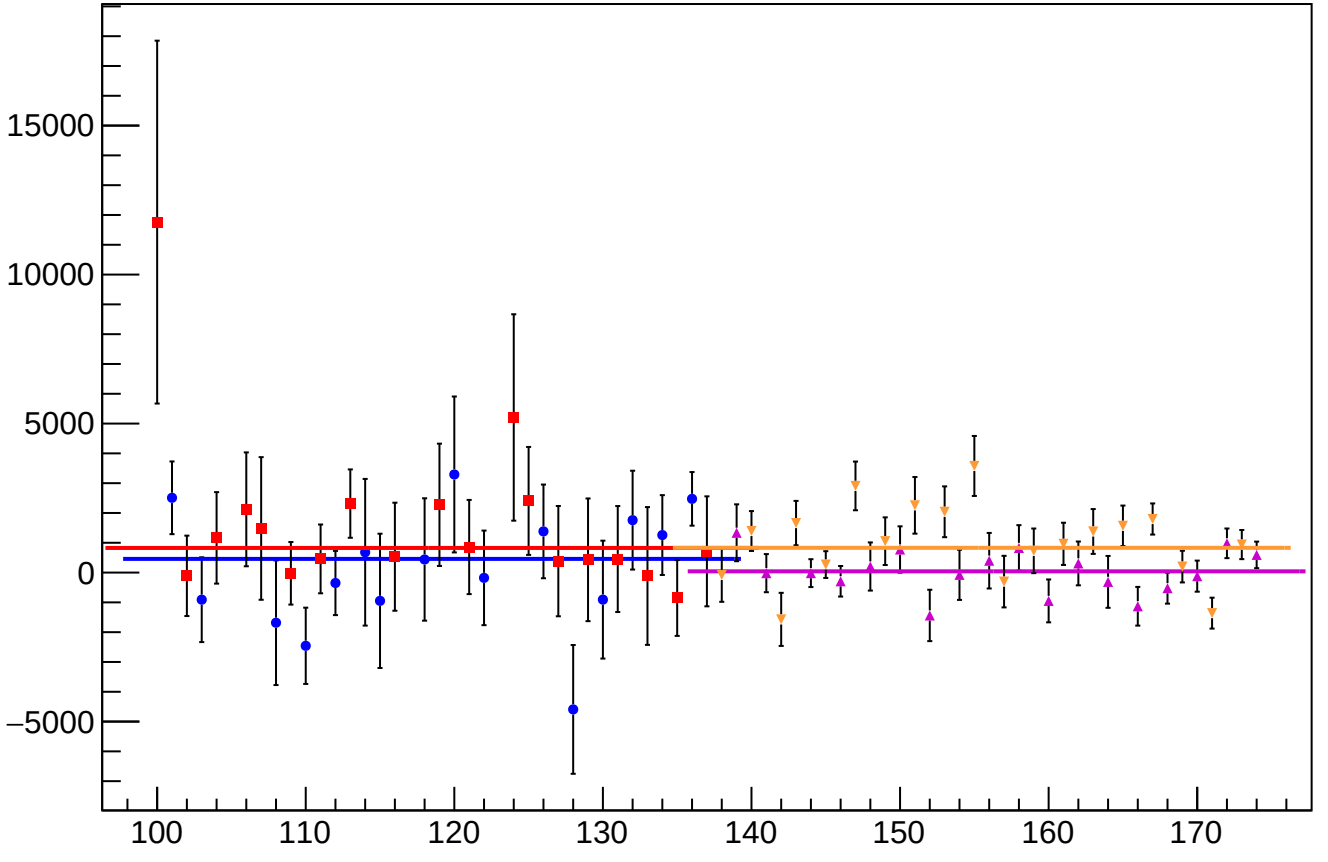
Left In: 534.882+/-0.102 χ^2/NDF:1768814.8/17

+ sign 608.860+/-0.097 χ^2/NDF: 4675076.0/34

All: 600.499+/-0.068 χ^2/NDF: 9525956.5/71

- 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: 830.508+/-153.983 χ^2/NDF:56.3/18

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

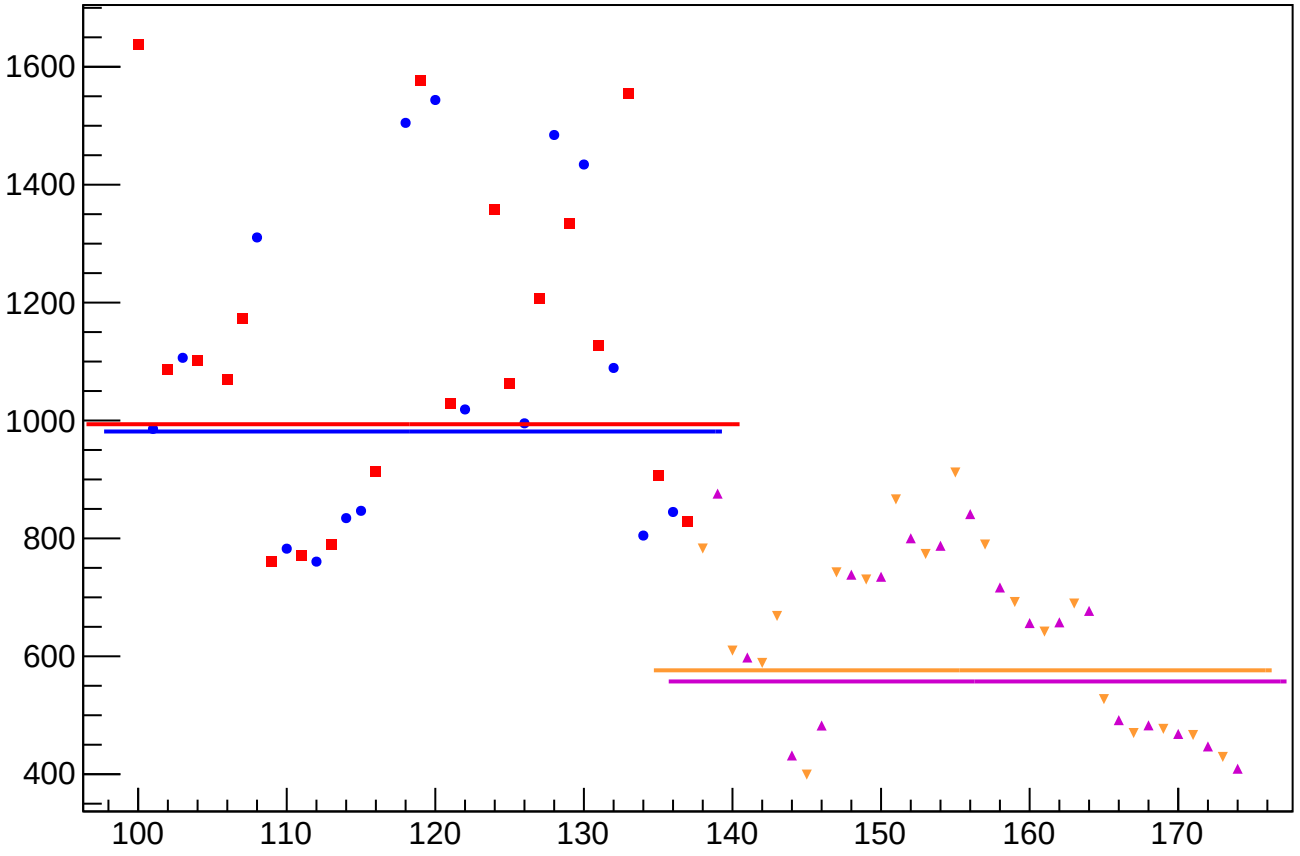
Left In: 41.995+/-149.646 χ^2/NDF:19.2/17

+ sign 777.381+/-142.544 χ^2/NDF: 81.7/34

All: 455.753+/-99.499 χ^2/NDF: 126.3/71

- 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: 576.212+/-0.109 χ^2/NDF:1789546.1/18

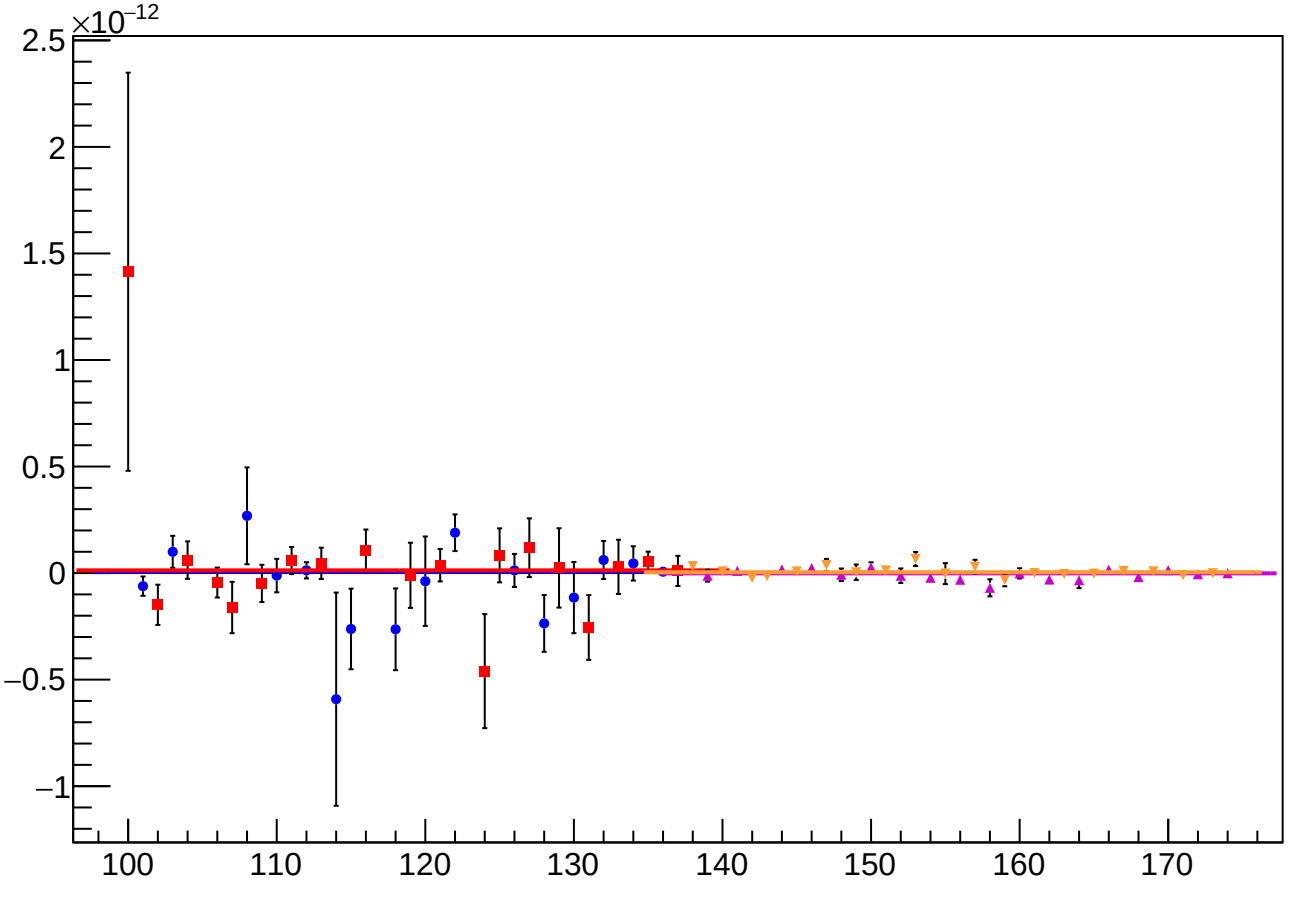
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 557.336+/-0.106 χ^2/NDF:1755138.2/17

+ sign 634.170+/-0.101 χ^2/NDF: 4507765.8/34

All: 625.615+/-0.070 χ^2/NDF: 9340818.9/71

- 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:14.3/18

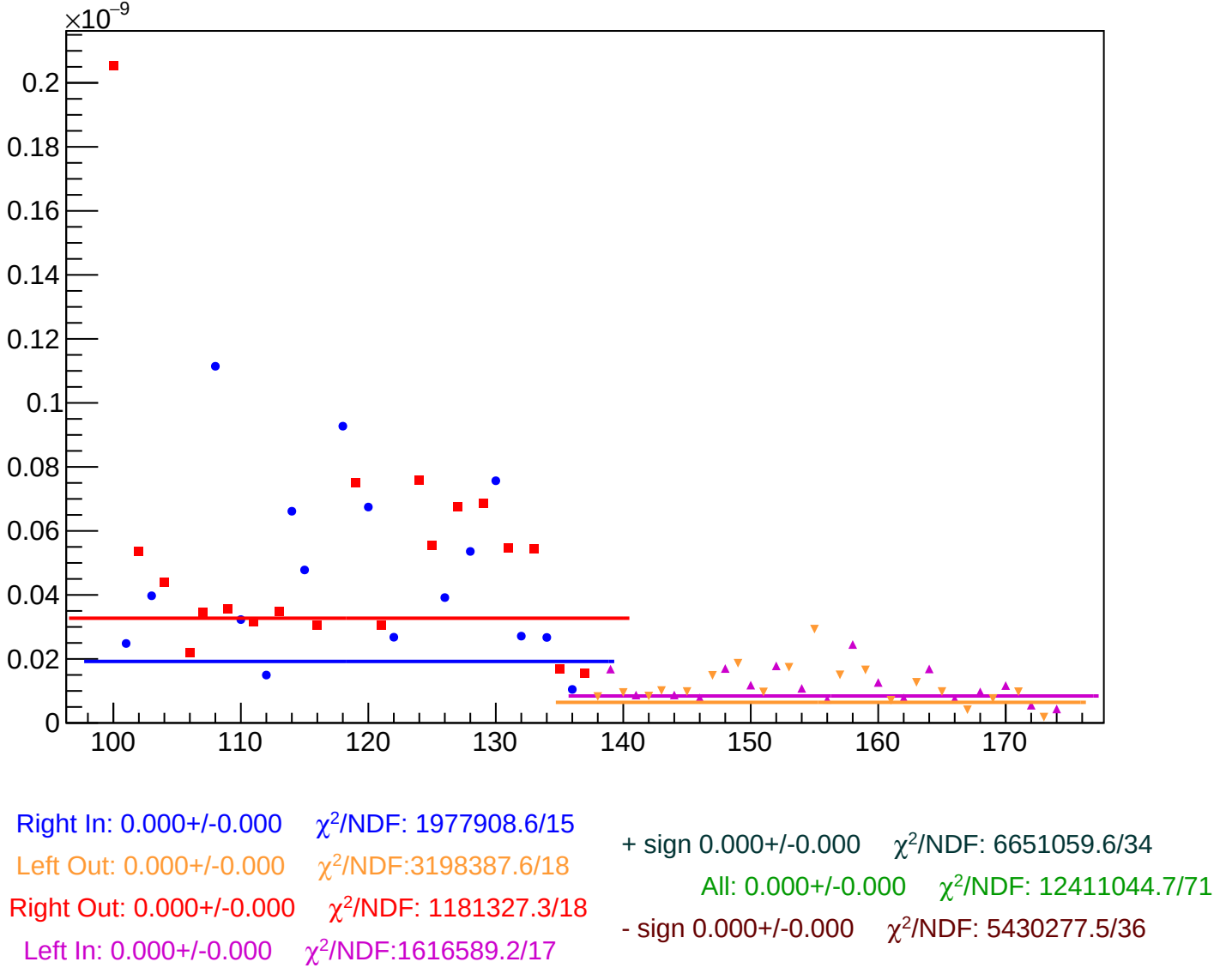
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.2/17

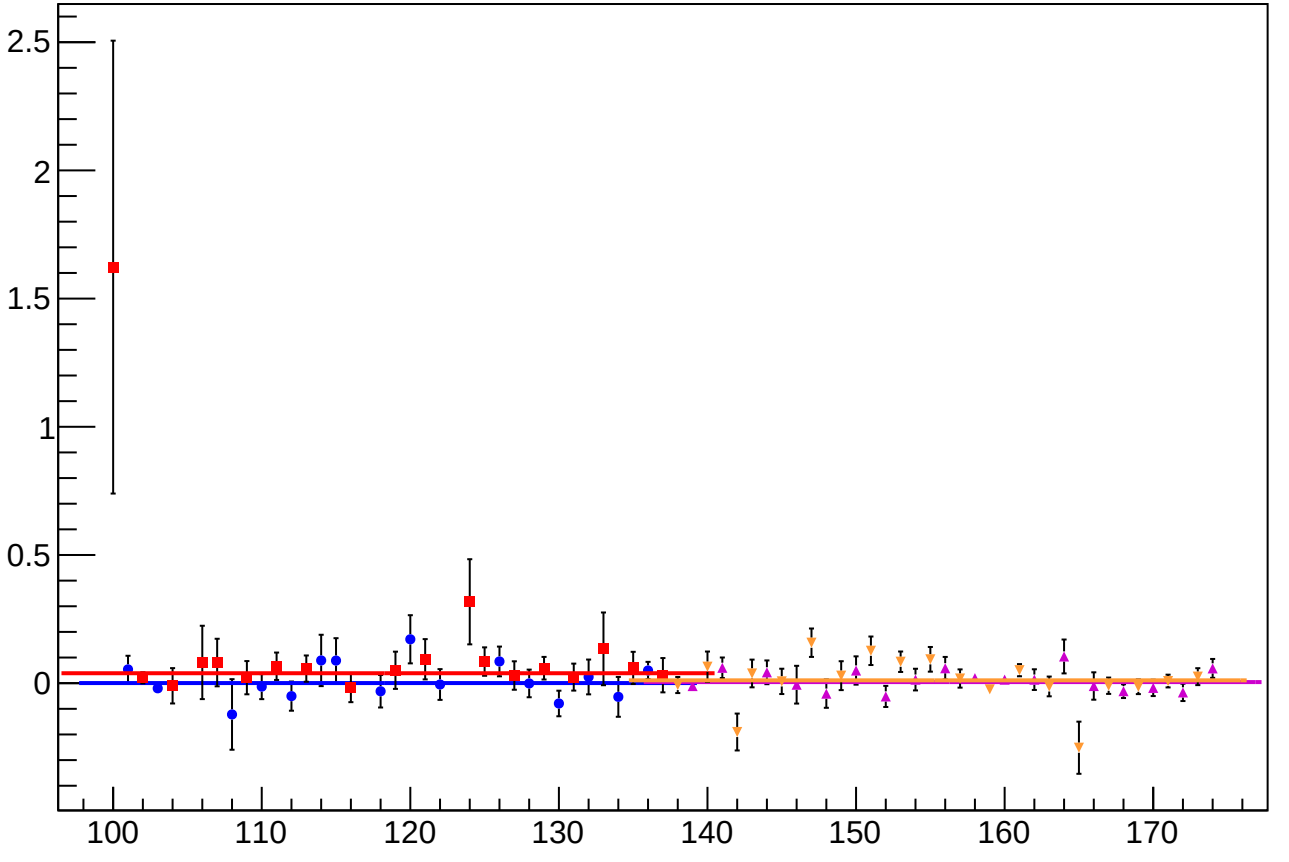
+ sign 0.000+/-0.000 χ^2/NDF: 34.0/34

All: 0.000+/-0.000 χ^2/NDF: 71.8/71

- 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:3198387.6/18
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: 6651059.6/34
All: 0.000+/-0.000 χ²/NDF: 12411044.7/71
- 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: 0.011+/-0.008 χ^2/NDF:42.7/18

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

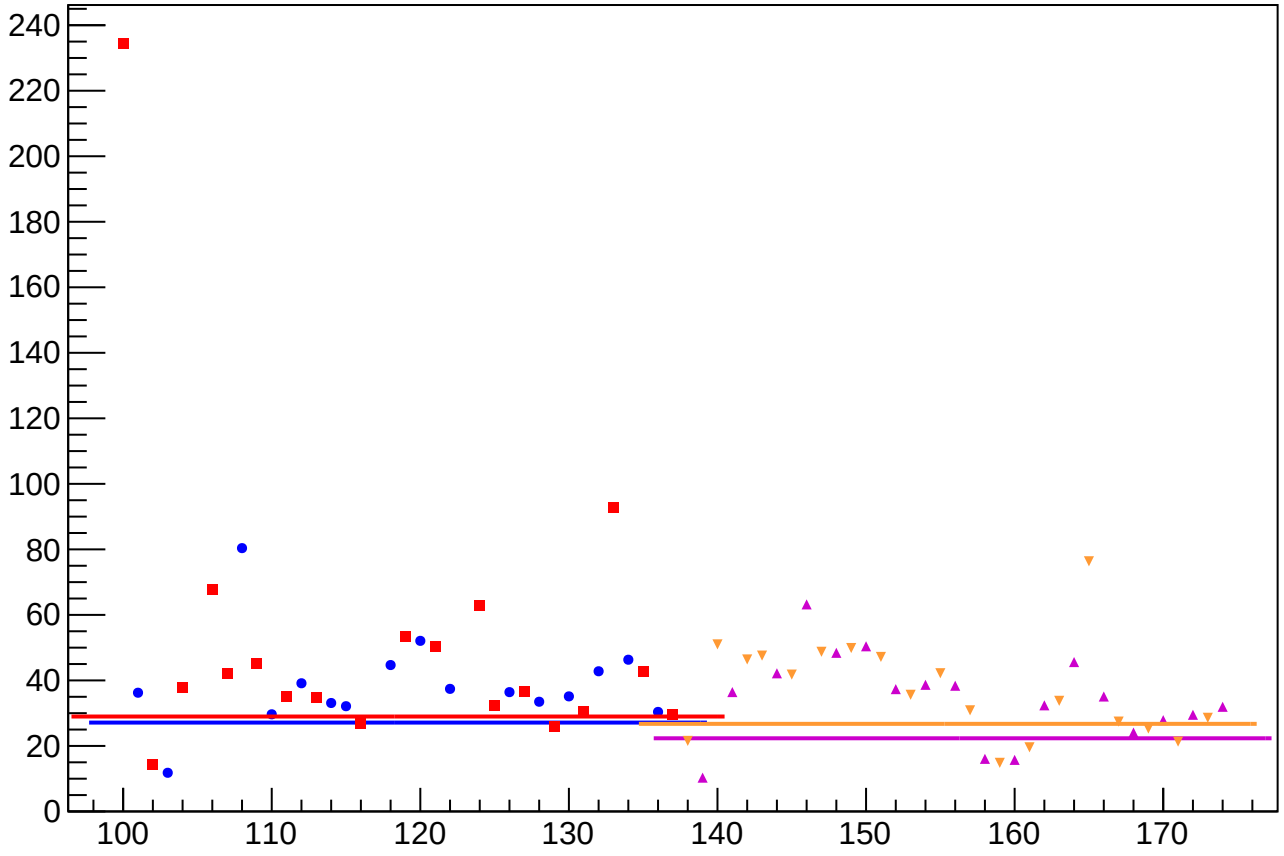
Left In: 0.004+/-0.007 χ^2/NDF:17.9/17

+ sign 0.008+/-0.007 χ^2/NDF: 59.7/34

All: 0.010+/-0.004 χ^2/NDF: 94.7/71

- 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: 26.741+/-0.006 χ^2/NDF:4156963.1/18

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

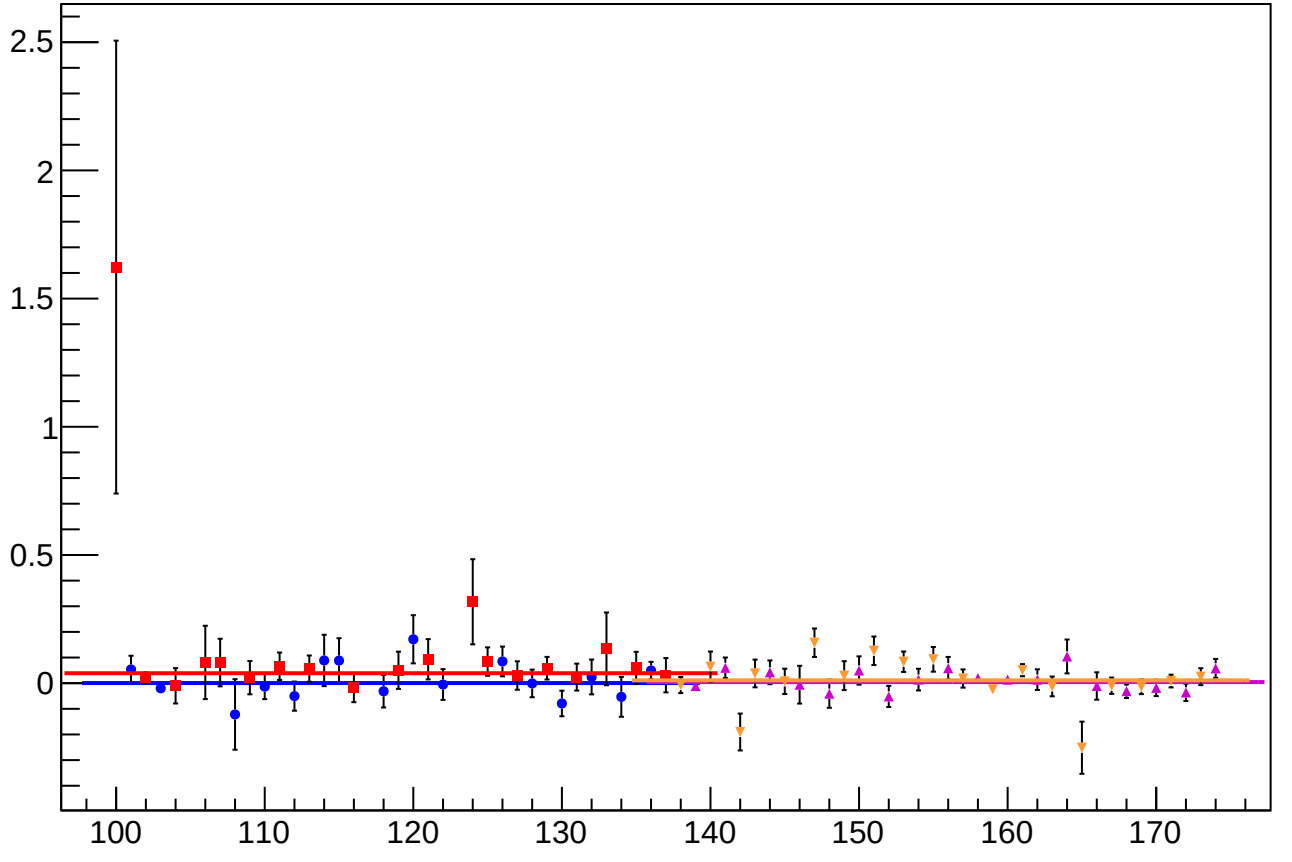
Left In: 22.334+/-0.005 χ^2/NDF:5927267.4/17

+ sign 26.857+/-0.005 χ^2/NDF: 6573728.3/34

All: 25.254+/-0.003 χ^2/NDF: 15600171.0/71

- 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: 0.011+/-0.008 χ^2/NDF:42.7/18

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

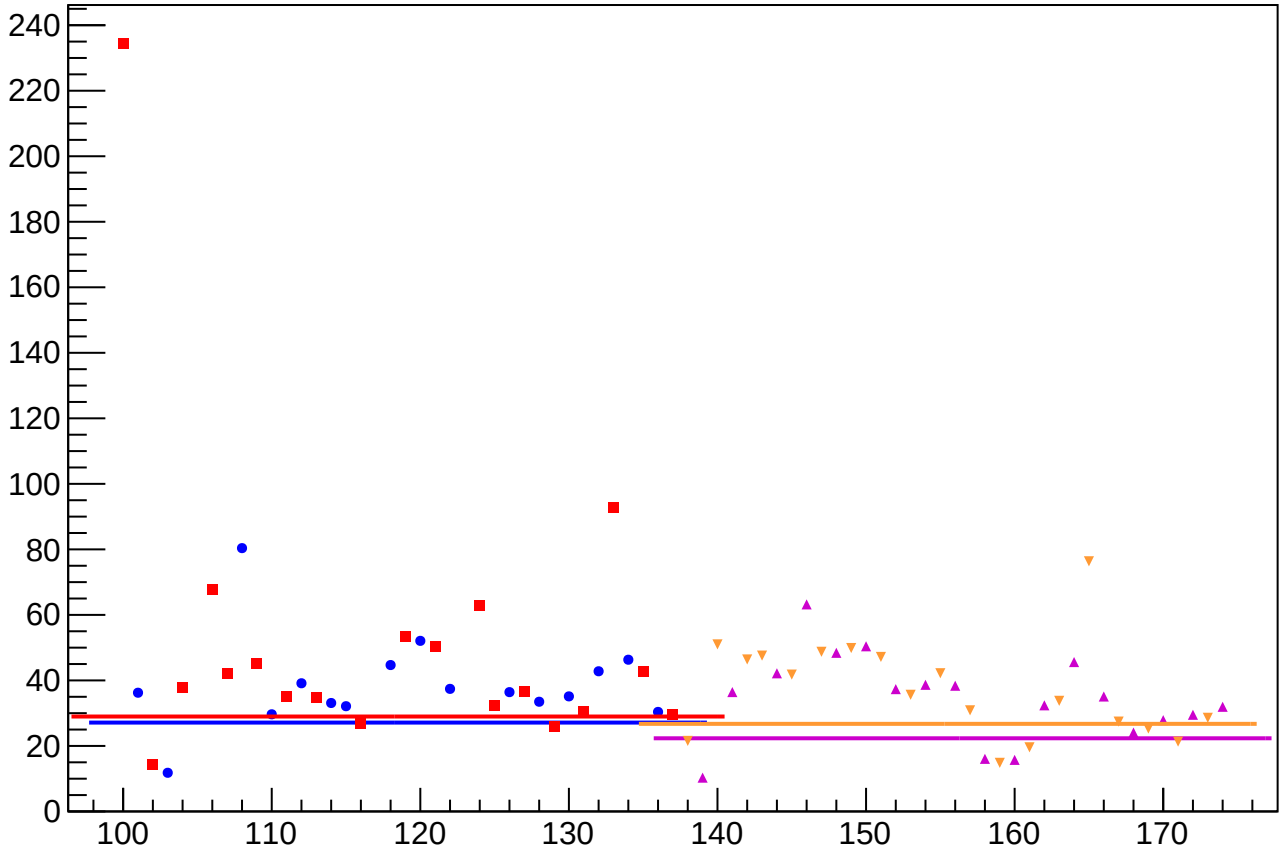
Left In: 0.004+/-0.007 χ^2/NDF:17.9/17

+ sign 0.008+/-0.007 χ^2/NDF: 59.7/34

All: 0.010+/-0.004 χ^2/NDF: 94.7/71

- 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: 26.741+/-0.006 χ^2/NDF:4156963.1/18

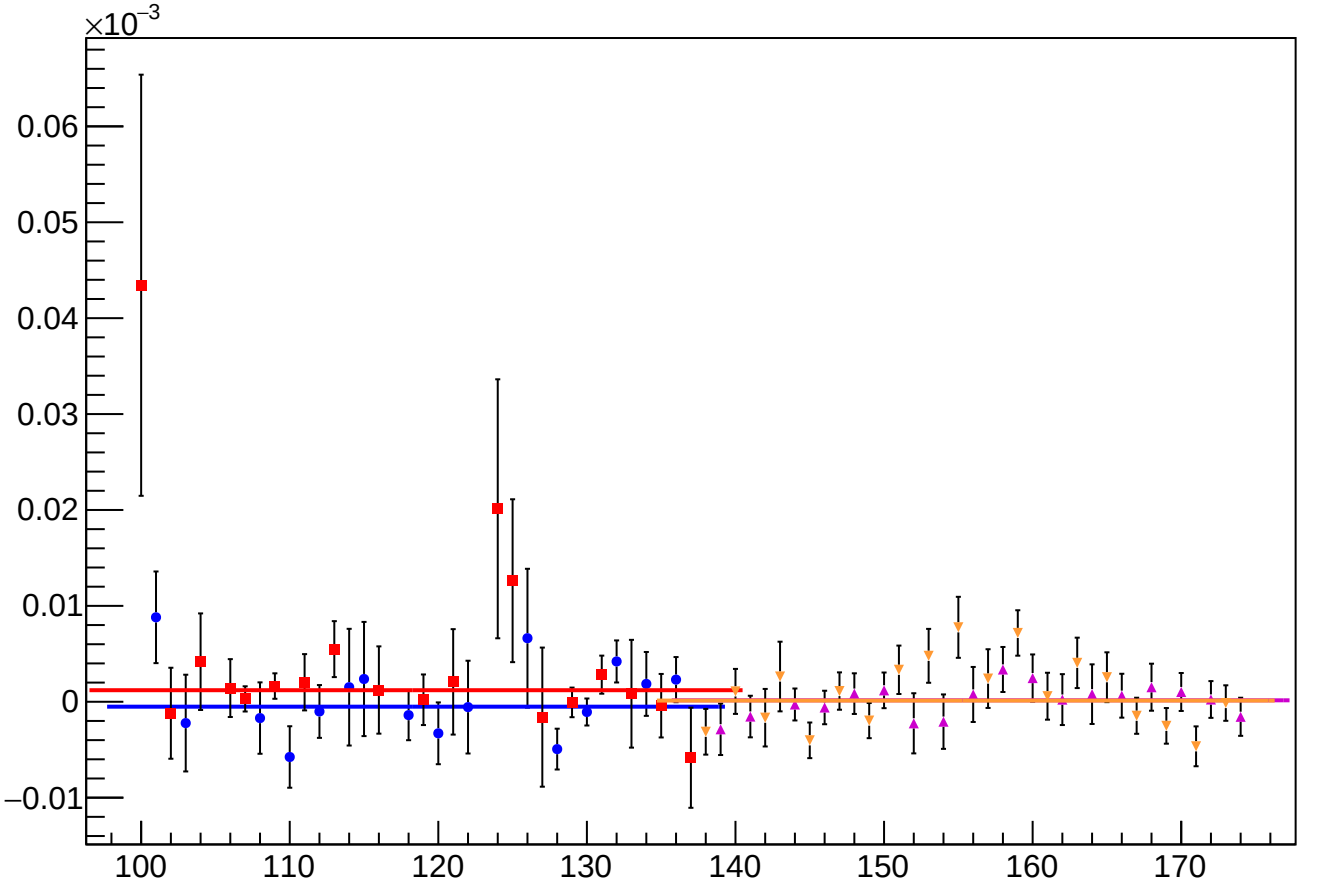
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.334+/-0.005 χ^2/NDF:5927267.4/17

+ sign 26.857+/-0.005 χ^2/NDF: 6573728.3/34

All: 25.254+/-0.003 χ^2/NDF: 15600171.0/71

- 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:40.1/18

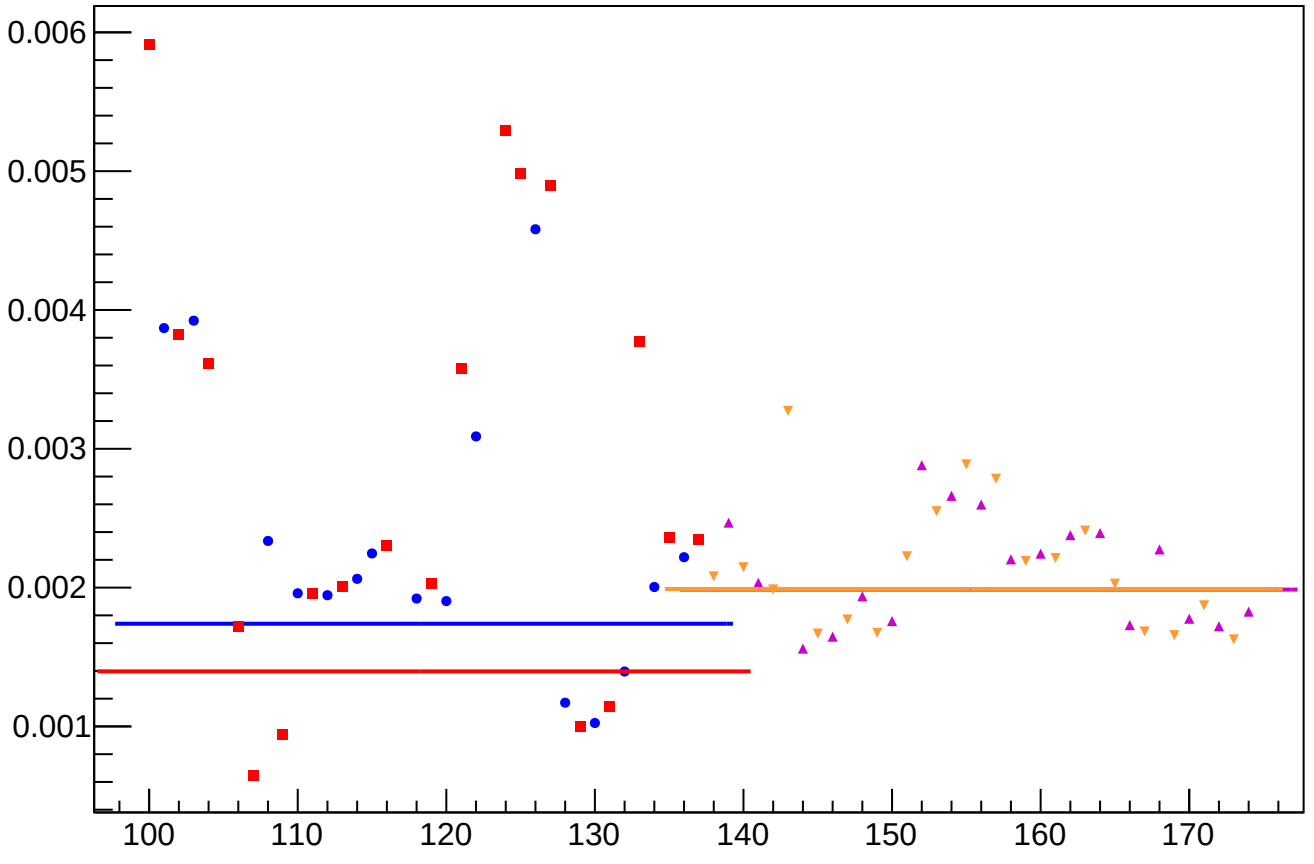
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:7.9/17

+ sign -0.000+/-0.000 χ^2/NDF: 60.6/34

All: 0.000+/-0.000 χ^2/NDF: 86.2/71

- 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:1080098.2/18

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

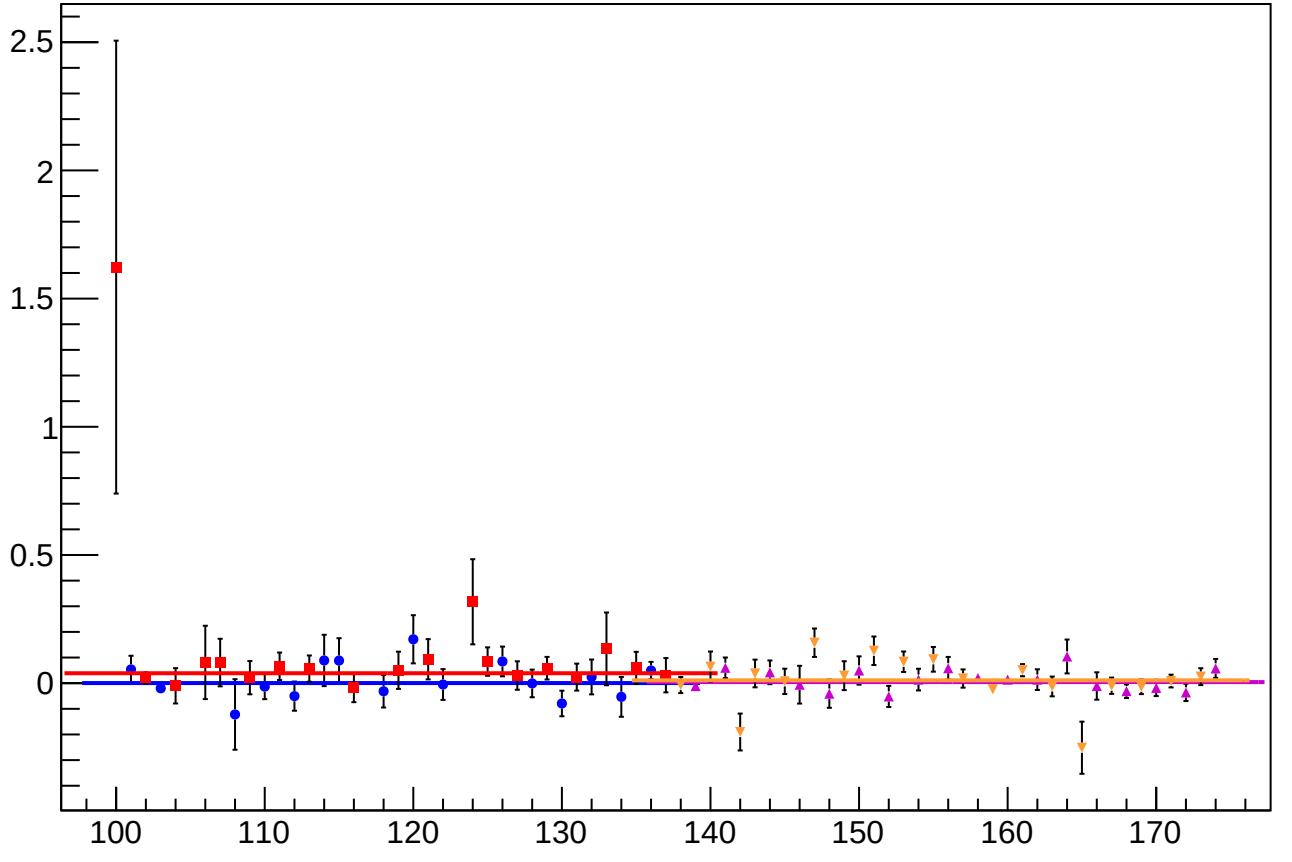
Left In: 0.002+/-0.000 χ^2/NDF:913039.5/17

+ sign 0.002+/-0.000 χ^2/NDF: 3385933.2/34

All: 0.002+/-0.000 χ^2/NDF: 9855800.1/71

- 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: 0.011+/-0.008 χ^2/NDF:42.7/18

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

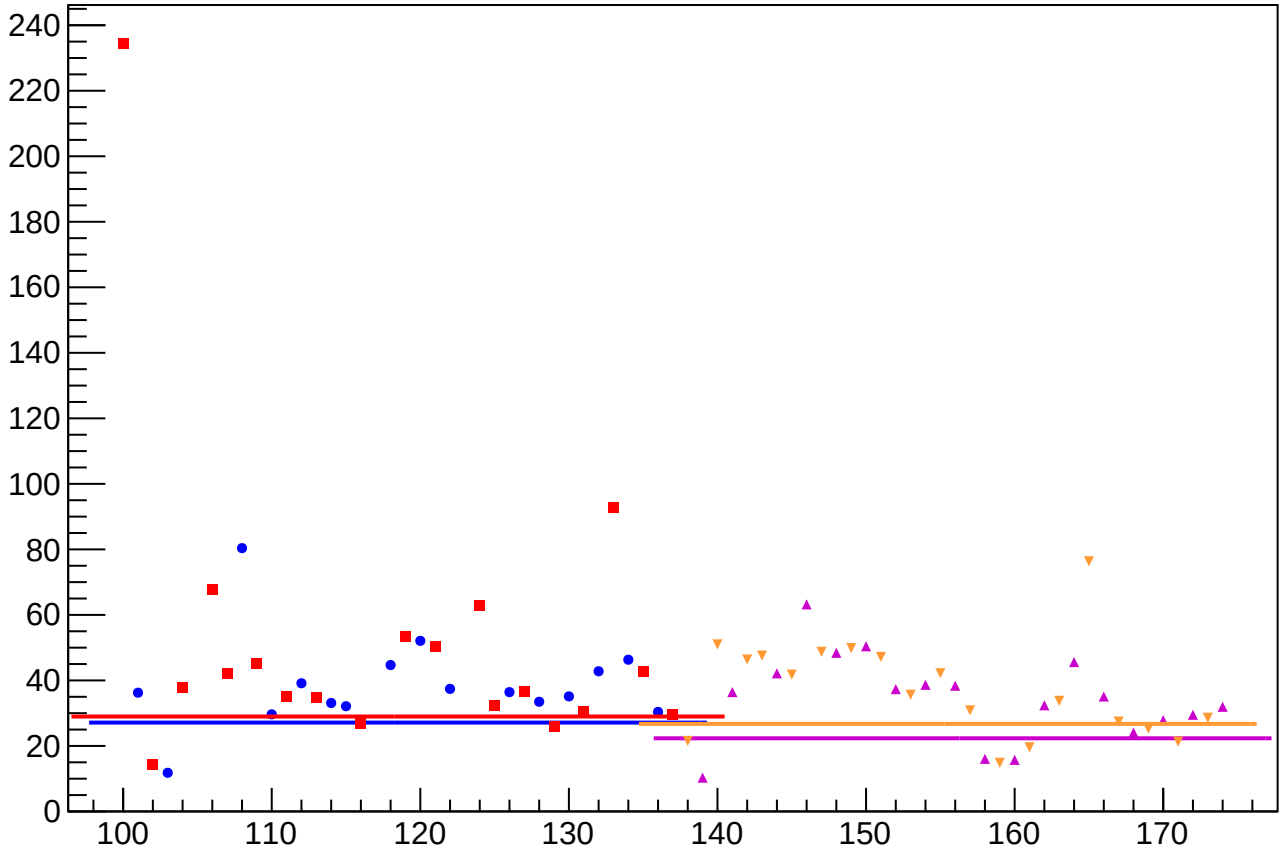
Left In: 0.004+/-0.007 χ^2/NDF:17.9/17

+ sign 0.008+/-0.007 χ^2/NDF: 59.7/34

All: 0.010+/-0.004 χ^2/NDF: 94.7/71

- 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: 26.740+/-0.006 χ^2/NDF:4157370.2/18

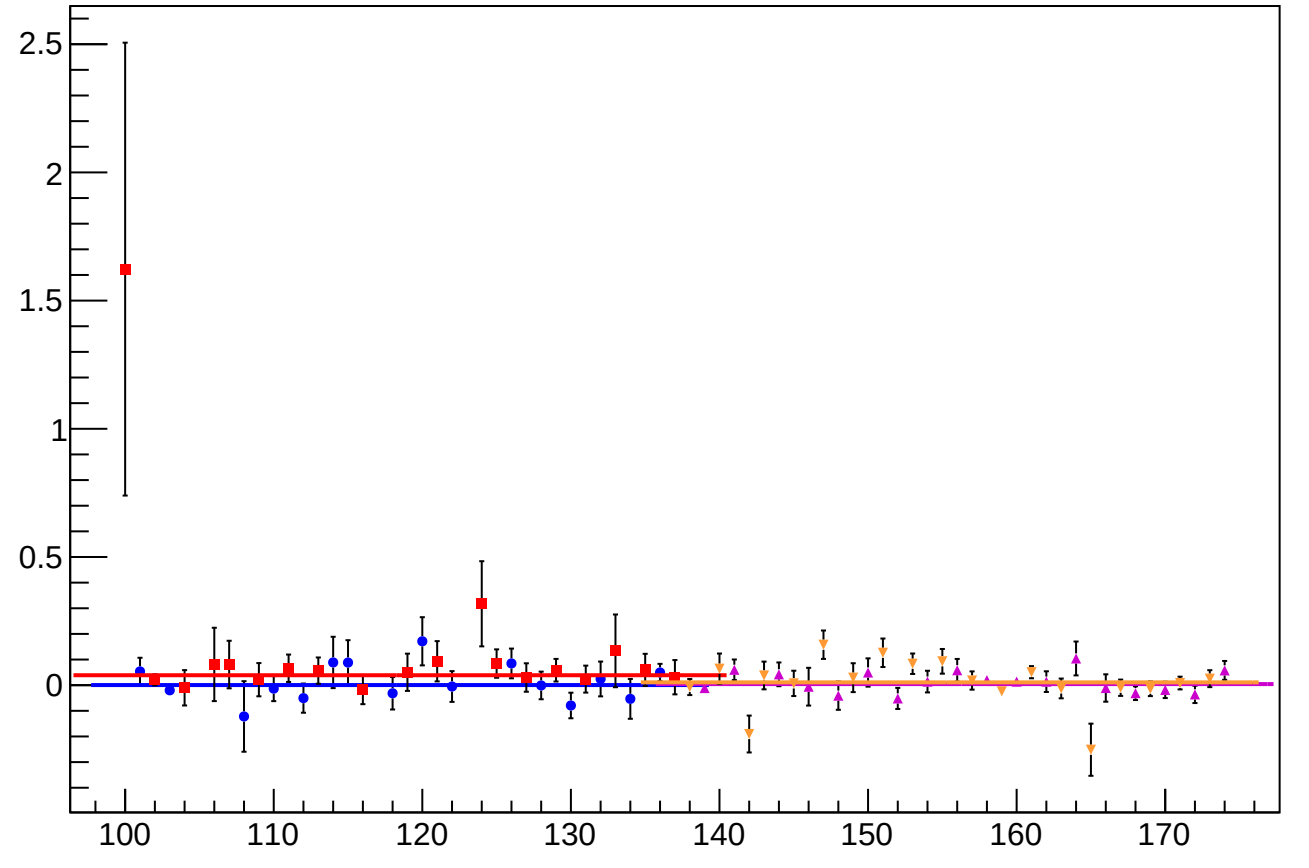
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.333+/-0.005 χ^2/NDF:5928189.5/17

+ sign 26.857+/-0.005 χ^2/NDF: 6574468.3/34

All: 25.253+/-0.003 χ^2/NDF: 15601684.8/71

- 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: 0.011+/-0.008 χ^2/NDF:42.7/18

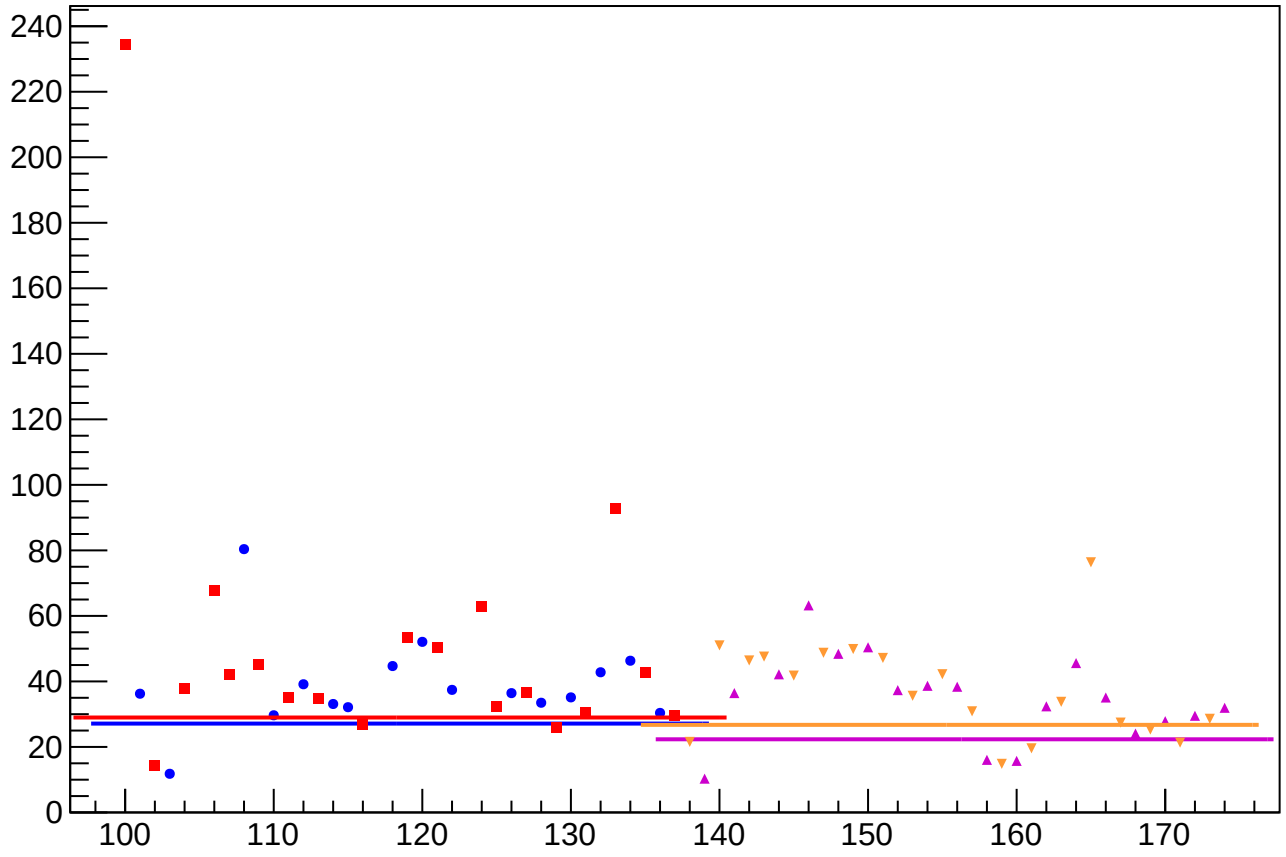
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.004+/-0.007 χ^2/NDF:17.9/17

+ sign 0.008+/-0.007 χ^2/NDF: 59.7/34

All: 0.010+/-0.004 χ^2/NDF: 94.7/71

- 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: 26.740+/-0.006 χ^2/NDF:4157370.2/18

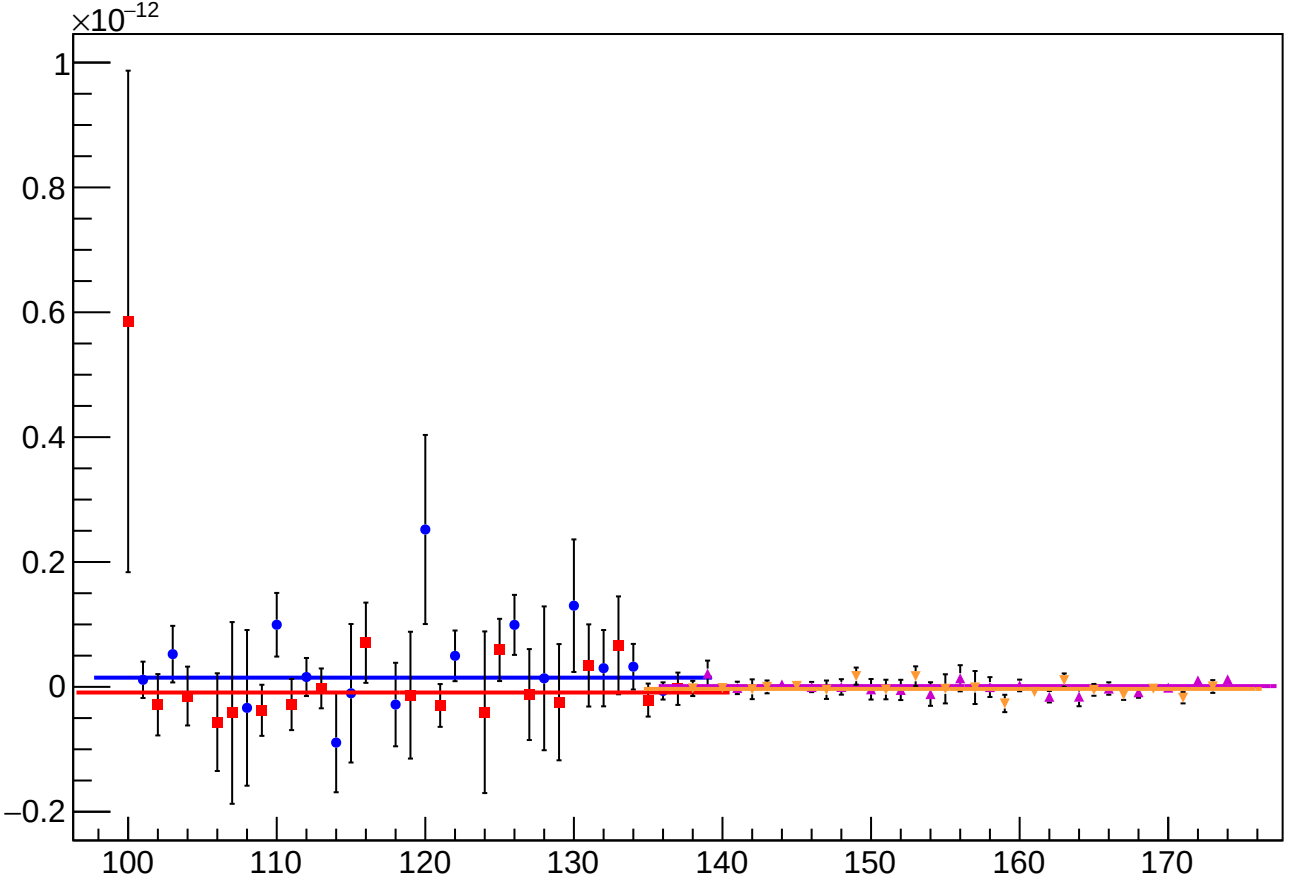
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.333+/-0.005 χ^2/NDF:5928189.5/17

+ sign 26.857+/-0.005 χ^2/NDF: 6574468.3/34

All: 25.253+/-0.003 χ^2/NDF: 15601684.8/71

- 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:13.3/18

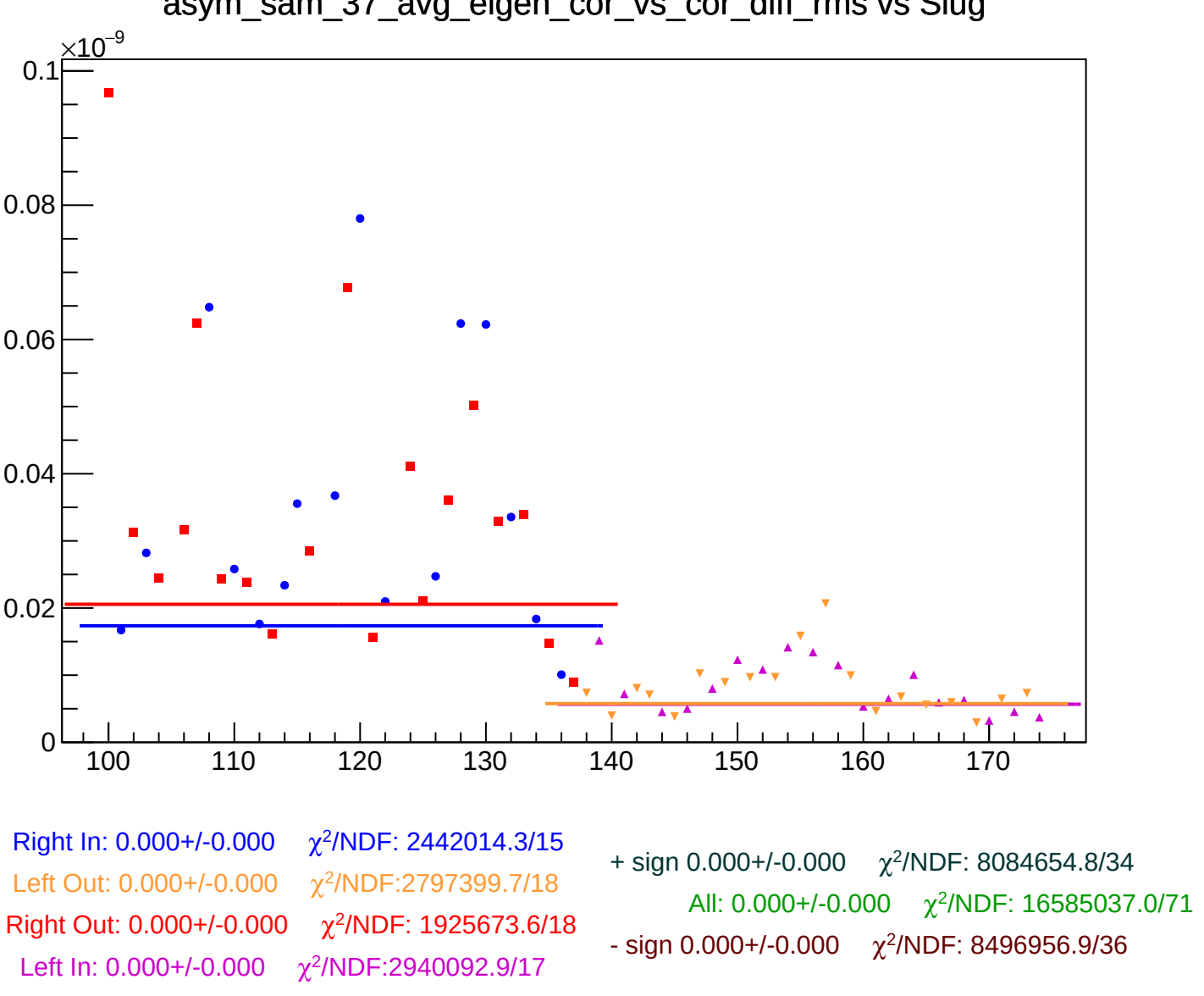
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/17

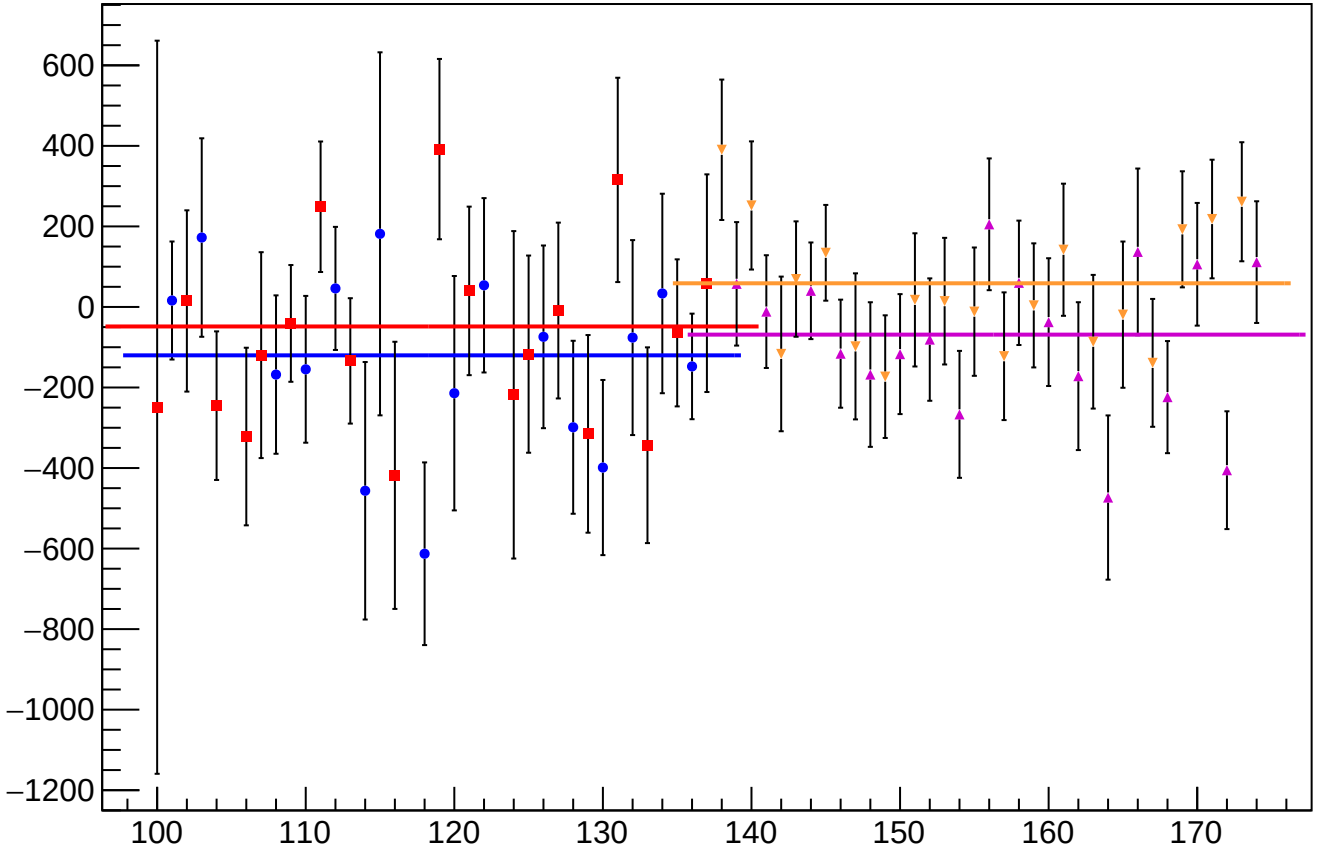
+ sign -0.000+/-0.000 χ^2/NDF: 32.7/34

All: -0.000+/-0.000 χ^2/NDF: 57.2/71

- sign 0.000+/-0.000 χ^2/NDF: 23.5/36


asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2442014.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2797399.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 1925673.6/18
Left In: 0.000+/-0.000 χ²/NDF:2940092.9/17
+ sign 0.000+/-0.000 χ²/NDF: 8084654.8/34
All: 0.000+/-0.000 χ²/NDF: 16585037.0/71
- sign 0.000+/-0.000 χ²/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: 58.766+/-35.939 χ^2/NDF:17.8/18

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

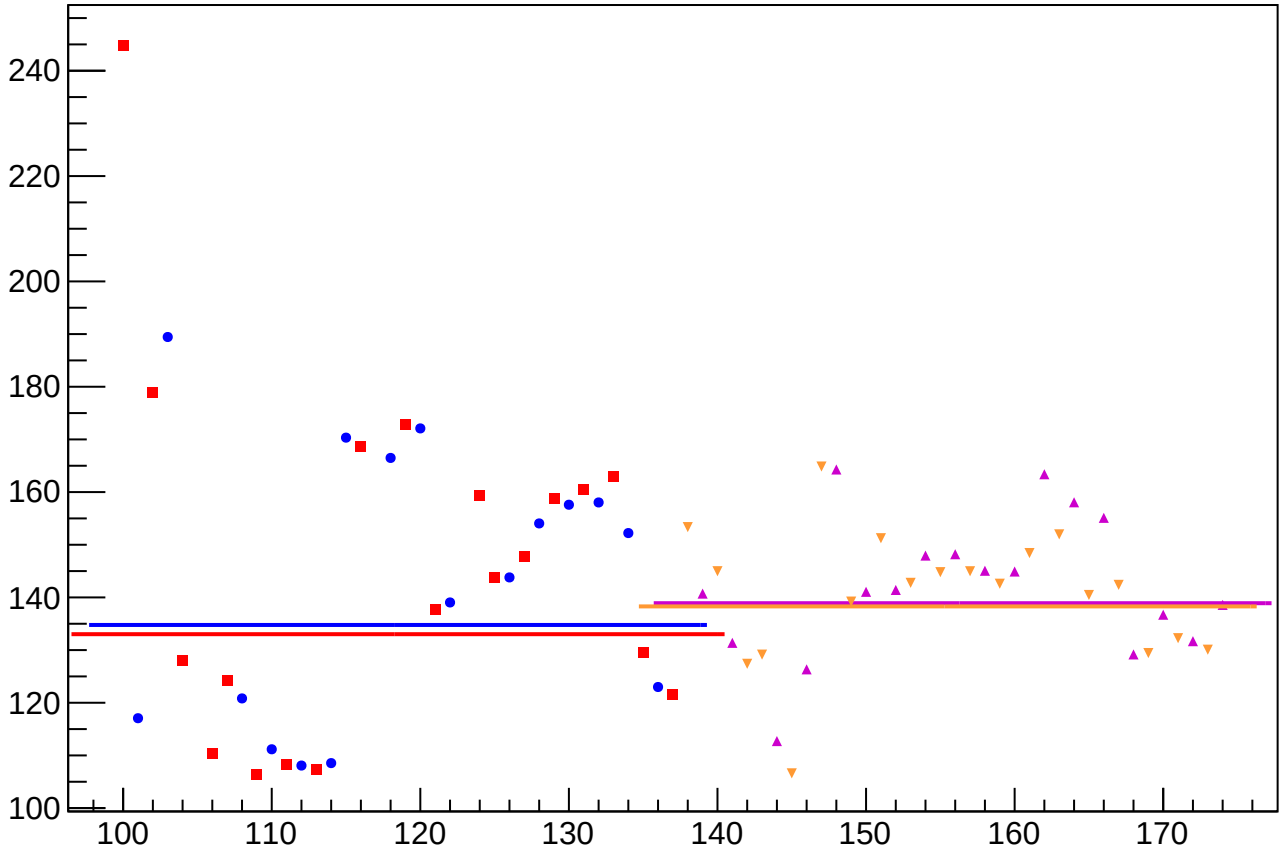
Left In: -68.716+/-36.286 χ^2/NDF:21.8/17

+ sign -0.443+/-29.397 χ^2/NDF: 39.4/34

All: -31.125+/-20.770 χ^2/NDF: 80.6/71

- 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: 138.293+/-0.025 χ^2/NDF:280383.9/18

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

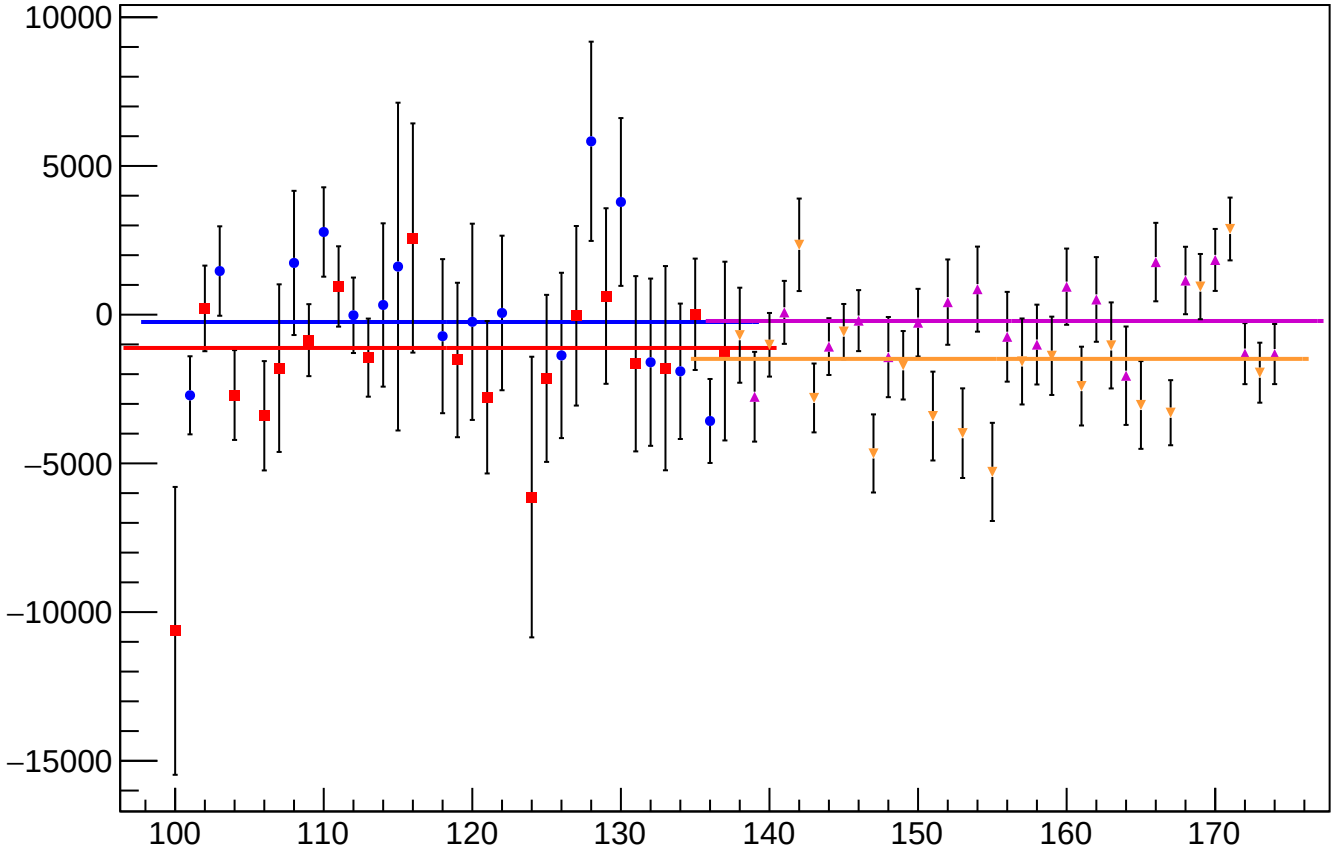
Left In: 138.902+/-0.026 χ^2/NDF:259384.8/17

+ sign 137.128+/-0.021 χ^2/NDF: 703518.2/34

All: 136.997+/-0.015 χ^2/NDF: 1476873.2/71

- 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: -1486.501+/-285.331 χ^2/NDF:51.1/18

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

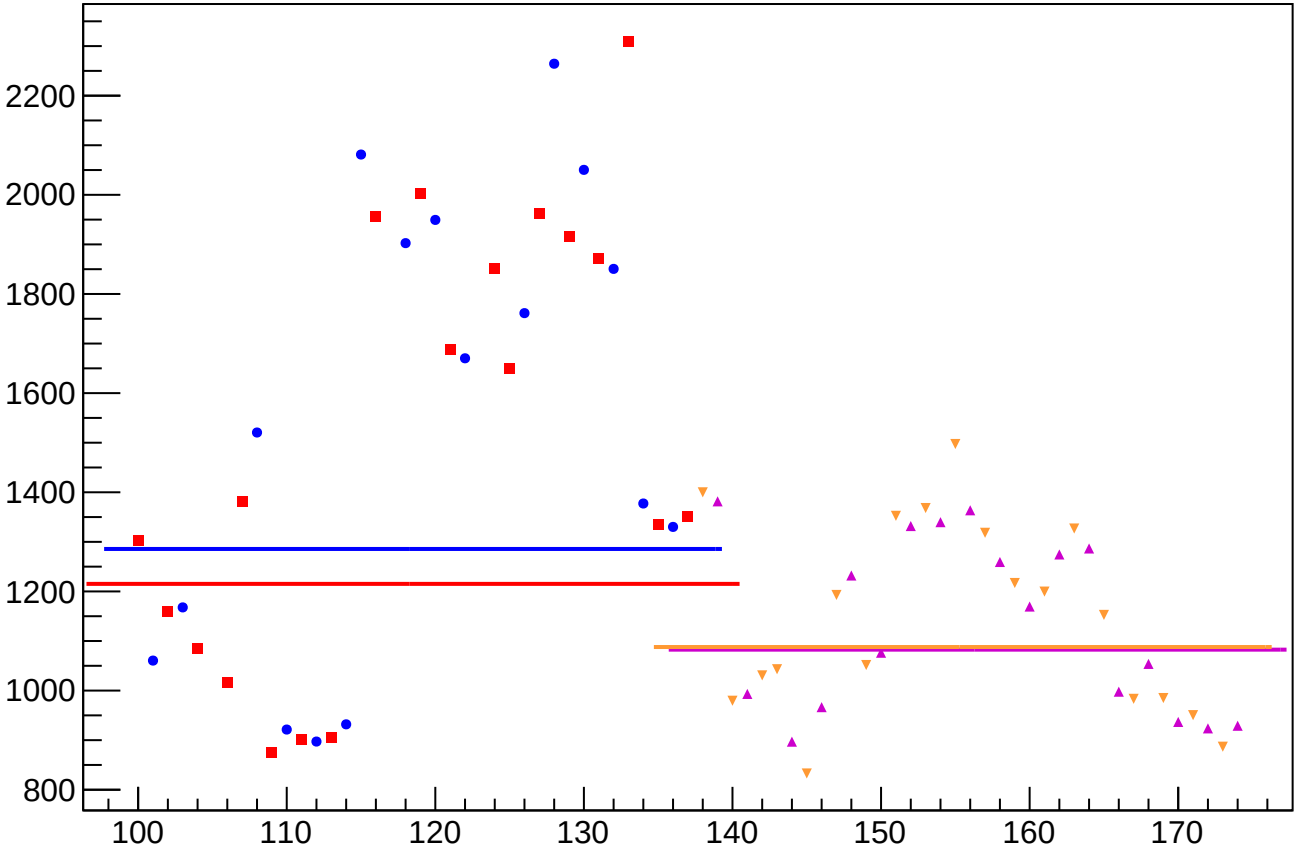
Left In: -212.558+/-284.663 χ^2/NDF:18.0/17

+ sign -1183.147+/-247.990 χ^2/NDF: 77.3/34

All: -813.167+/-173.660 χ^2/NDF: 115.8/71

- sign -457.160+/-243.263 χ^2/NDF: 34.2/36

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1087.862+/-0.202 χ^2/NDF:815086.3/18

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

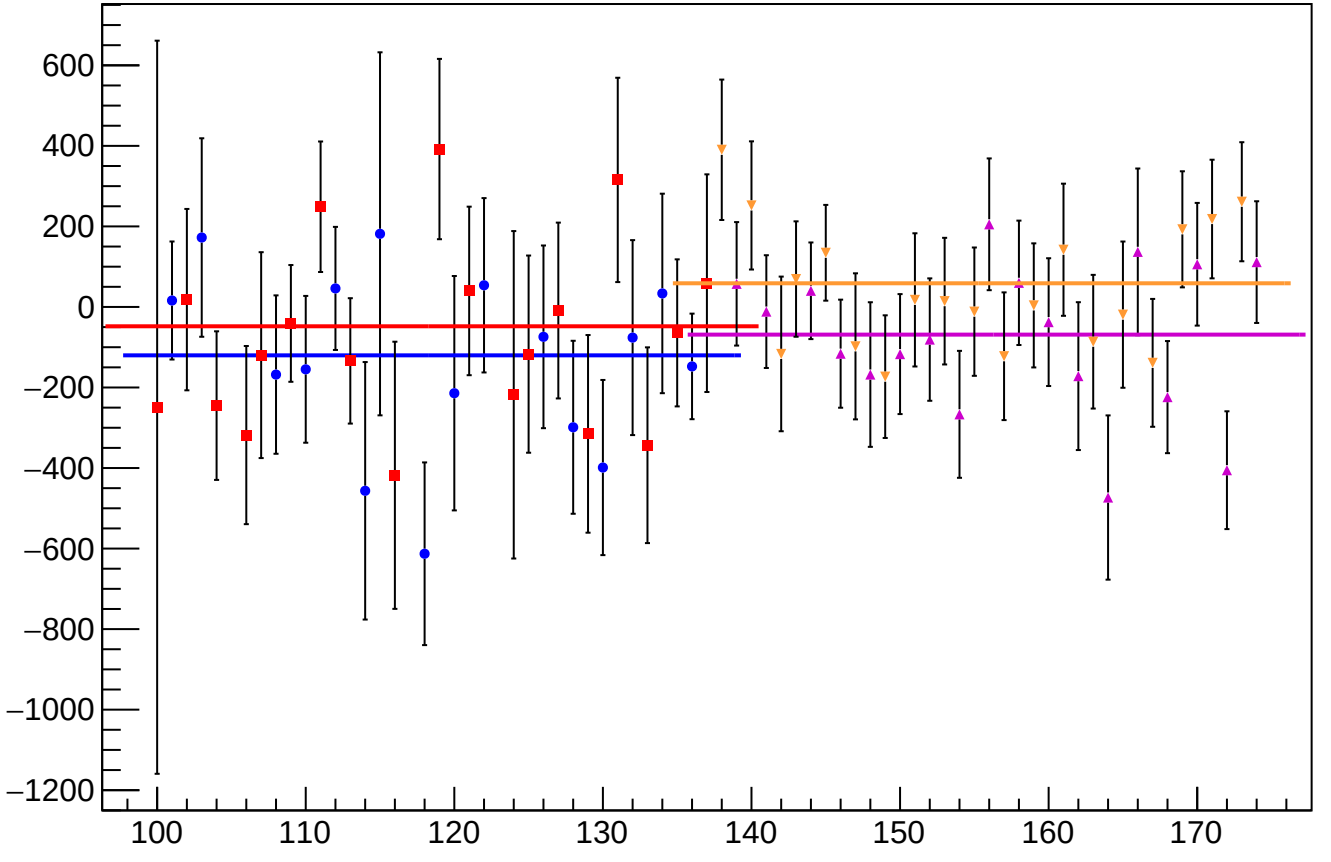
Left In: 1082.569+/-0.201 χ^2/NDF:666583.3/17

+ sign 1136.248+/-0.175 χ^2/NDF: 2220641.4/34

All: 1127.128+/-0.123 χ^2/NDF: 4395993.1/71

- sign 1118.353+/-0.172 χ^2/NDF: 2170044.0/36

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 58.769+/-35.939 χ^2/NDF:17.8/18

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

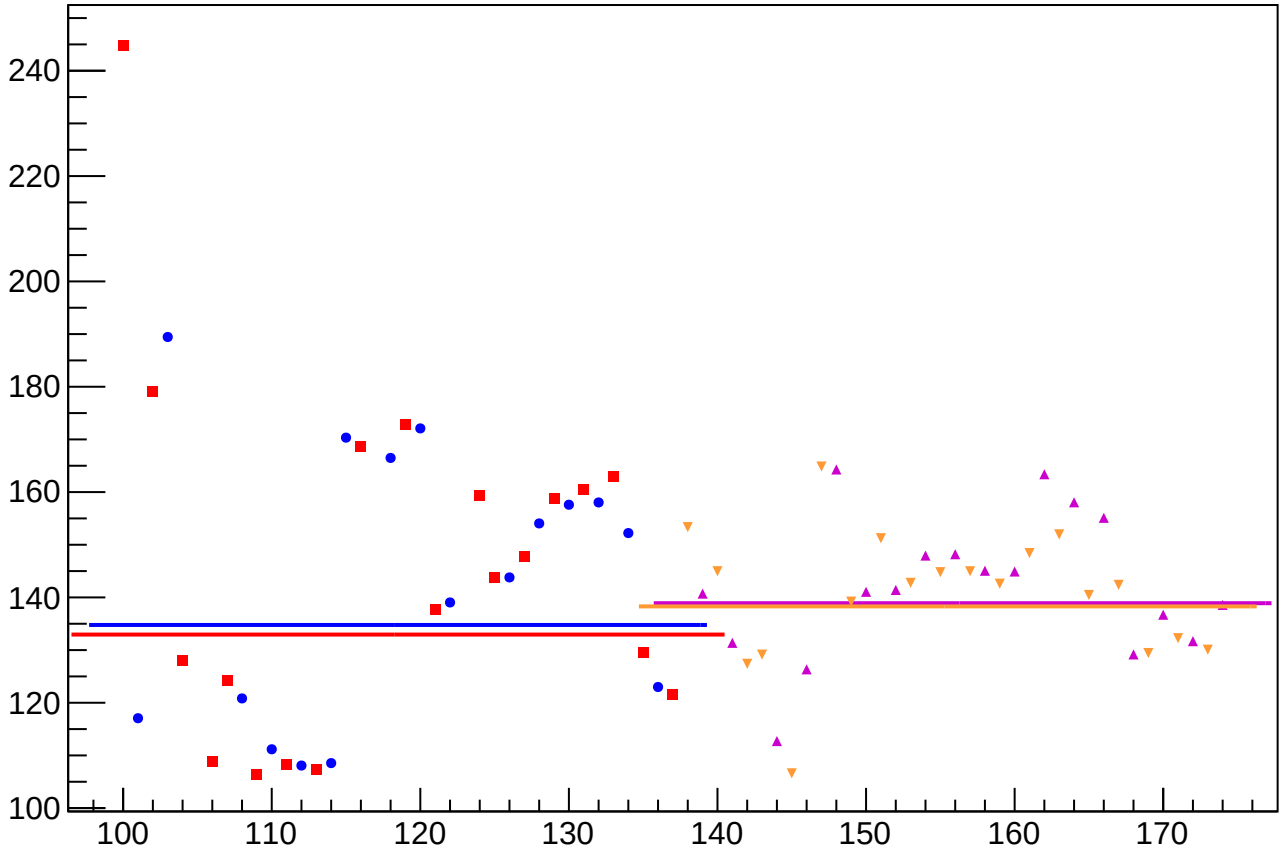
Left In: -68.715+/-36.286 χ^2/NDF:21.8/17

+ sign -0.444+/-29.397 χ^2/NDF: 39.5/34

All: -31.049+/-20.771 χ^2/NDF: 80.5/71

- sign -61.558+/-29.351 χ^2/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: 138.293+/-0.025 χ^2/NDF:280383.9/18

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

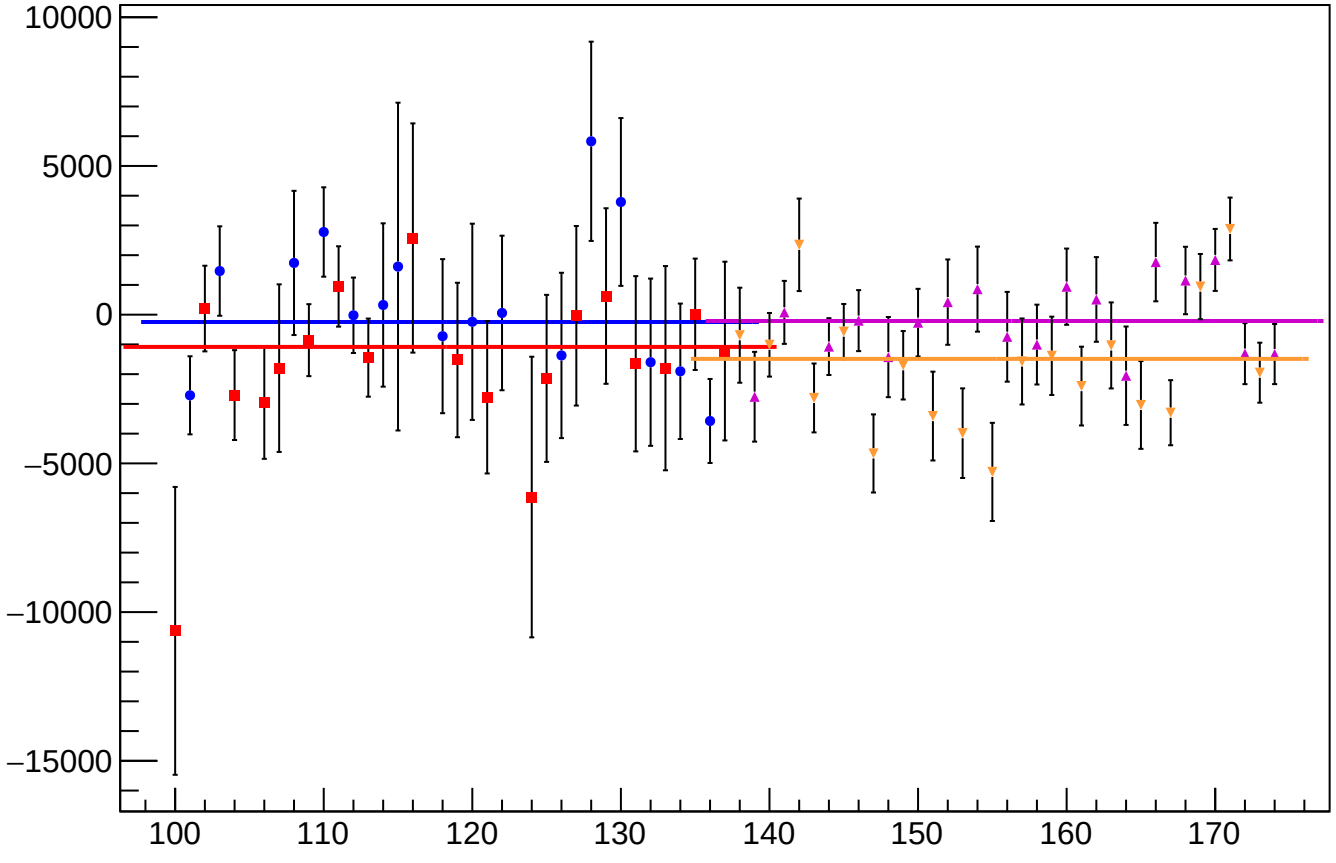
Left In: 138.902+/-0.026 χ^2/NDF:259384.8/17

+ sign 137.128+/-0.021 χ^2/NDF: 703521.2/34

All: 136.985+/-0.015 χ^2/NDF: 1480470.8/71

- sign 136.843+/-0.021 χ^2/NDF: 776855.8/36

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1486.497+/-285.331 χ^2/NDF:51.0/18

Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

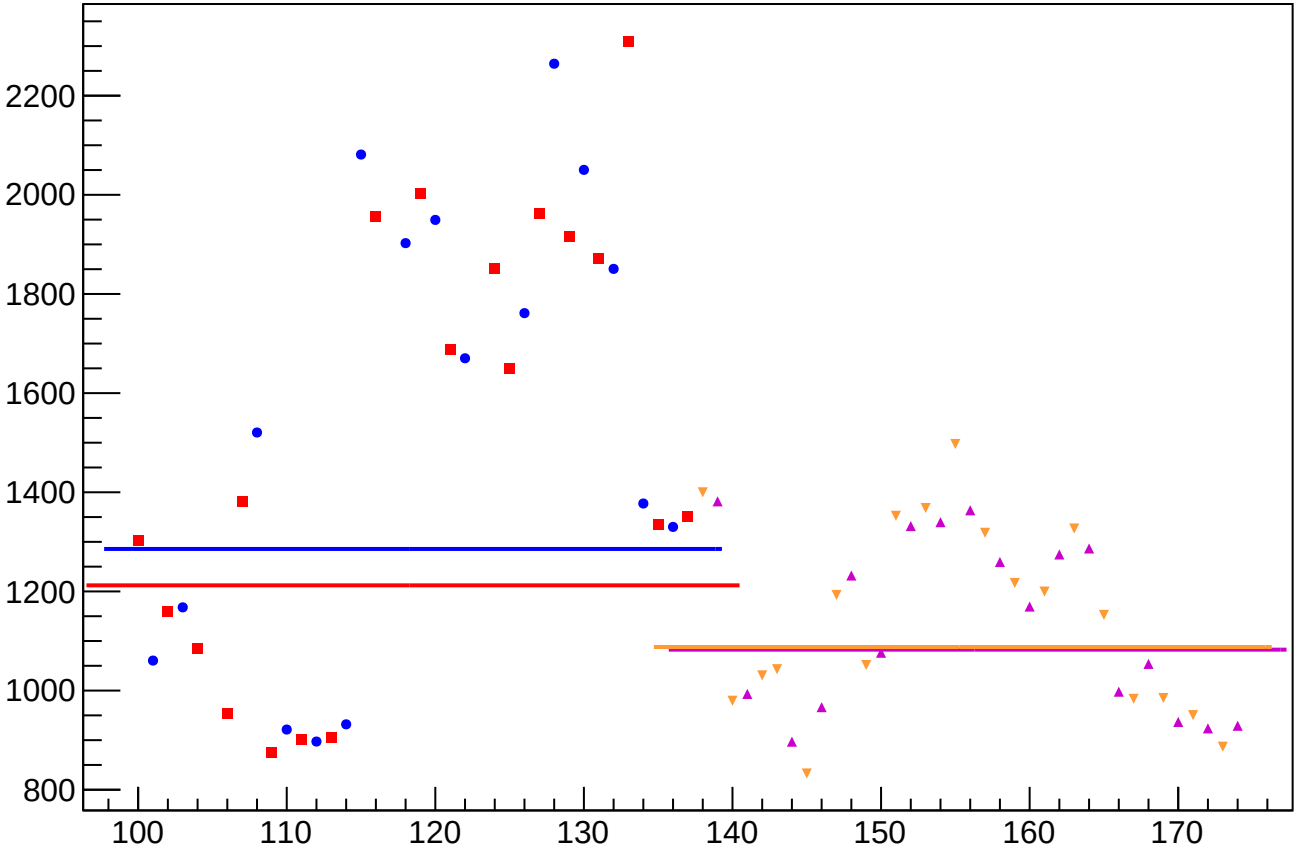
Left In: -212.565+/-284.663 χ^2/NDF:18.0/17

+ sign -1183.165+/-247.991 χ^2/NDF: 77.3/34

All: -808.173+/-173.707 χ^2/NDF: 115.1/71

- sign -446.960+/-243.392 χ^2/NDF: 33.3/36

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1087.862+/-0.202 χ^2/NDF:815087.0/18

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

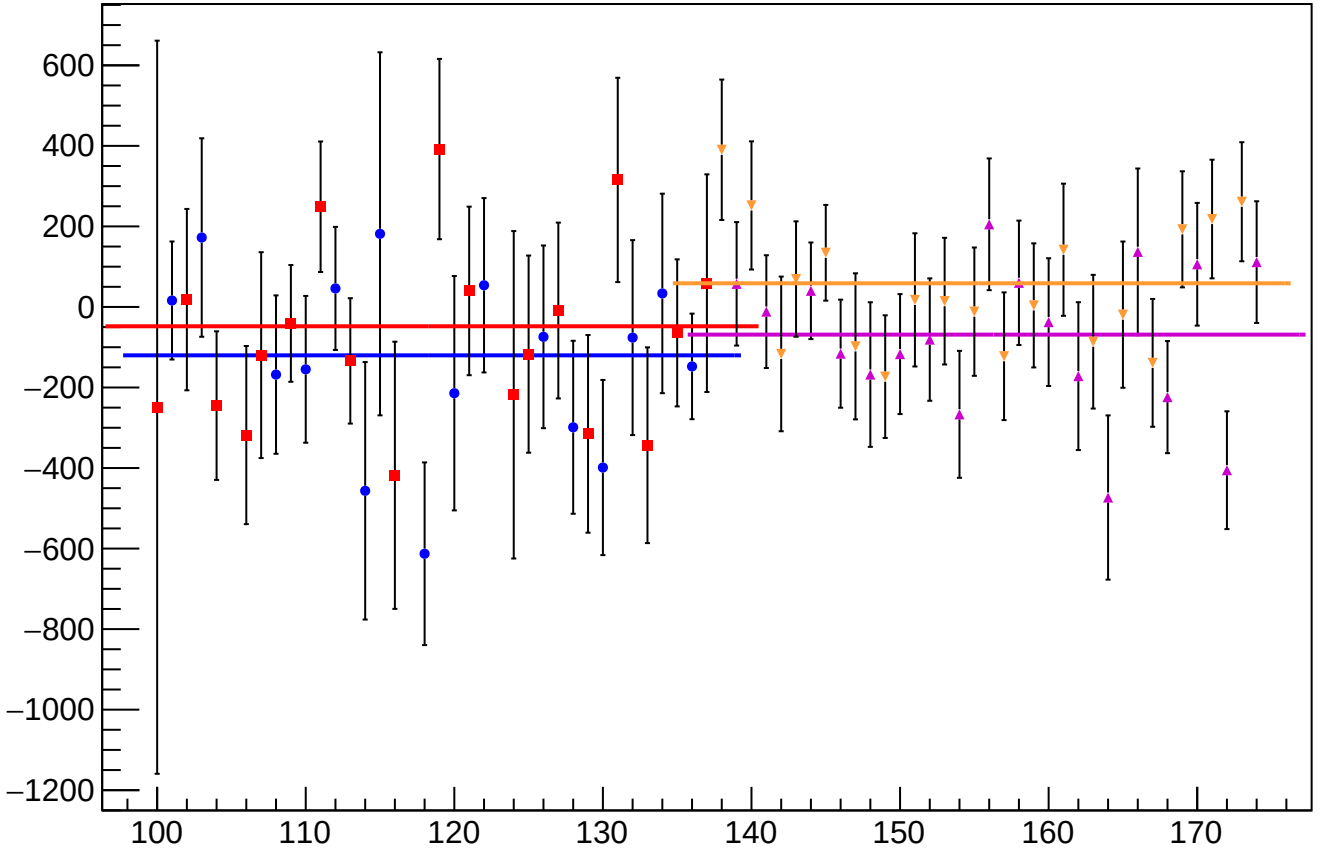
Left In: 1082.569+/-0.201 χ^2/NDF:666583.4/17

+ sign 1136.251+/-0.175 χ^2/NDF: 2220646.3/34

All: 1126.676+/-0.123 χ^2/NDF: 4405393.7/71

- 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: 58.769+/-35.939 χ^2/NDF:17.8/18

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

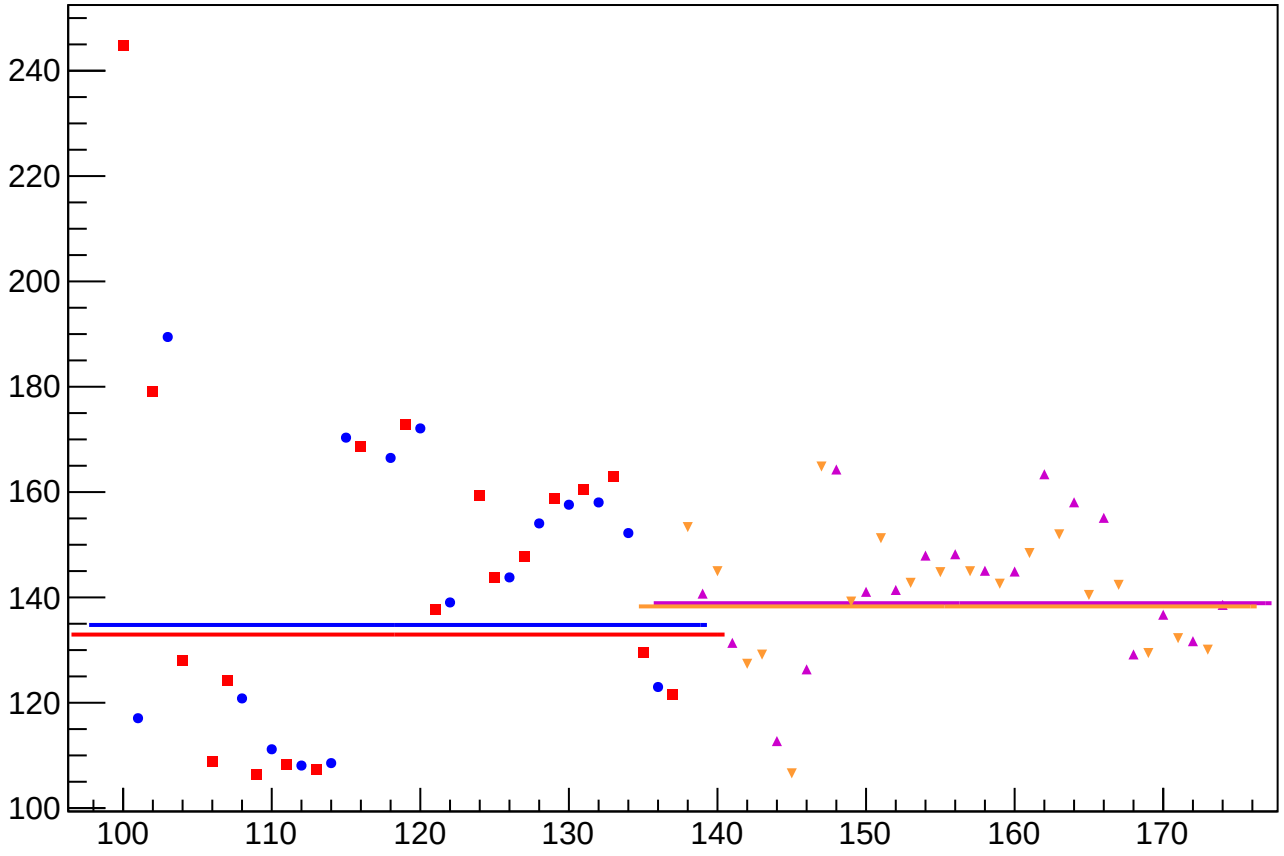
Left In: -68.715+/-36.286 χ^2/NDF:21.8/17

+ sign -0.444+/-29.397 χ^2/NDF: 39.5/34

All: -31.049+/-20.771 χ^2/NDF: 80.5/71

- 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: 138.293+/-0.025 χ^2/NDF:280383.9/18

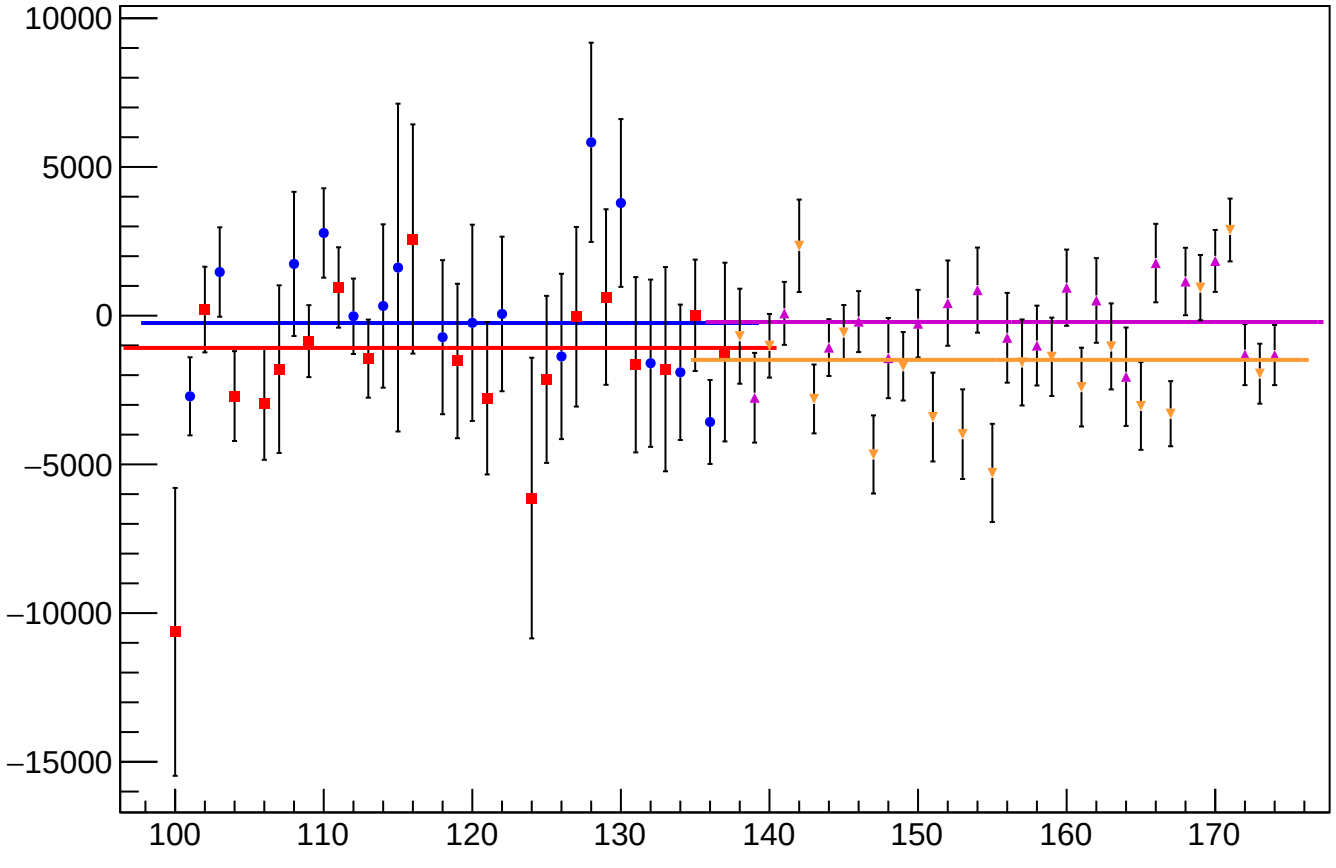
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 138.902+/-0.026 χ^2/NDF:259384.8/17

\+ sign 137.128+/-0.021 χ^2/NDF: 703521.2/34

All: 136.985+/-0.015 χ^2/NDF: 1480470.8/71

\- 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: -1486.497+/-285.331 χ^2/NDF:51.0/18

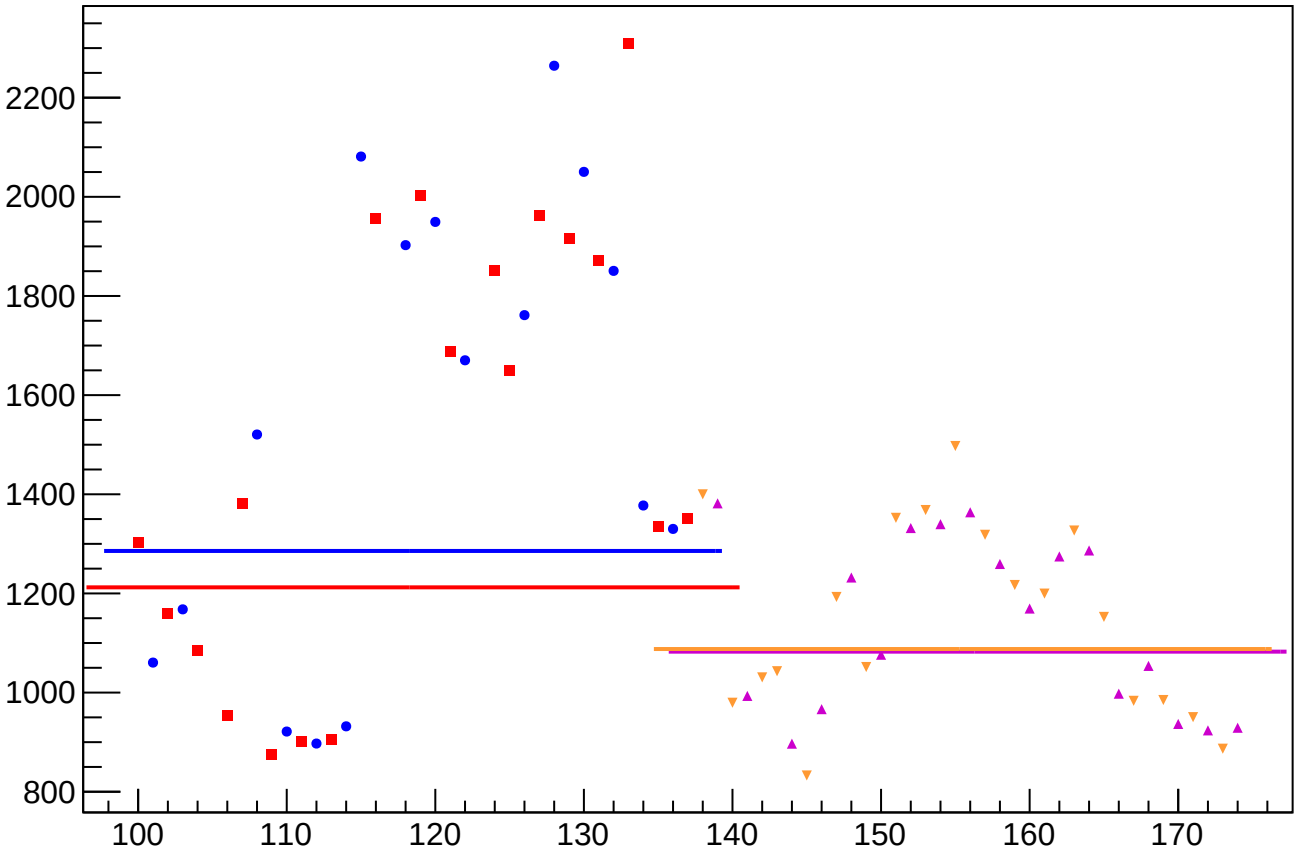
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -212.565+/-284.663 χ^2/NDF:18.0/17

\+ sign -1183.165+/-247.991 χ^2/NDF: 77.3/34

All: -808.173+/-173.707 χ^2/NDF: 115.1/71

\- 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: 1087.862+/-0.202 χ^2/NDF:815087.0/18

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

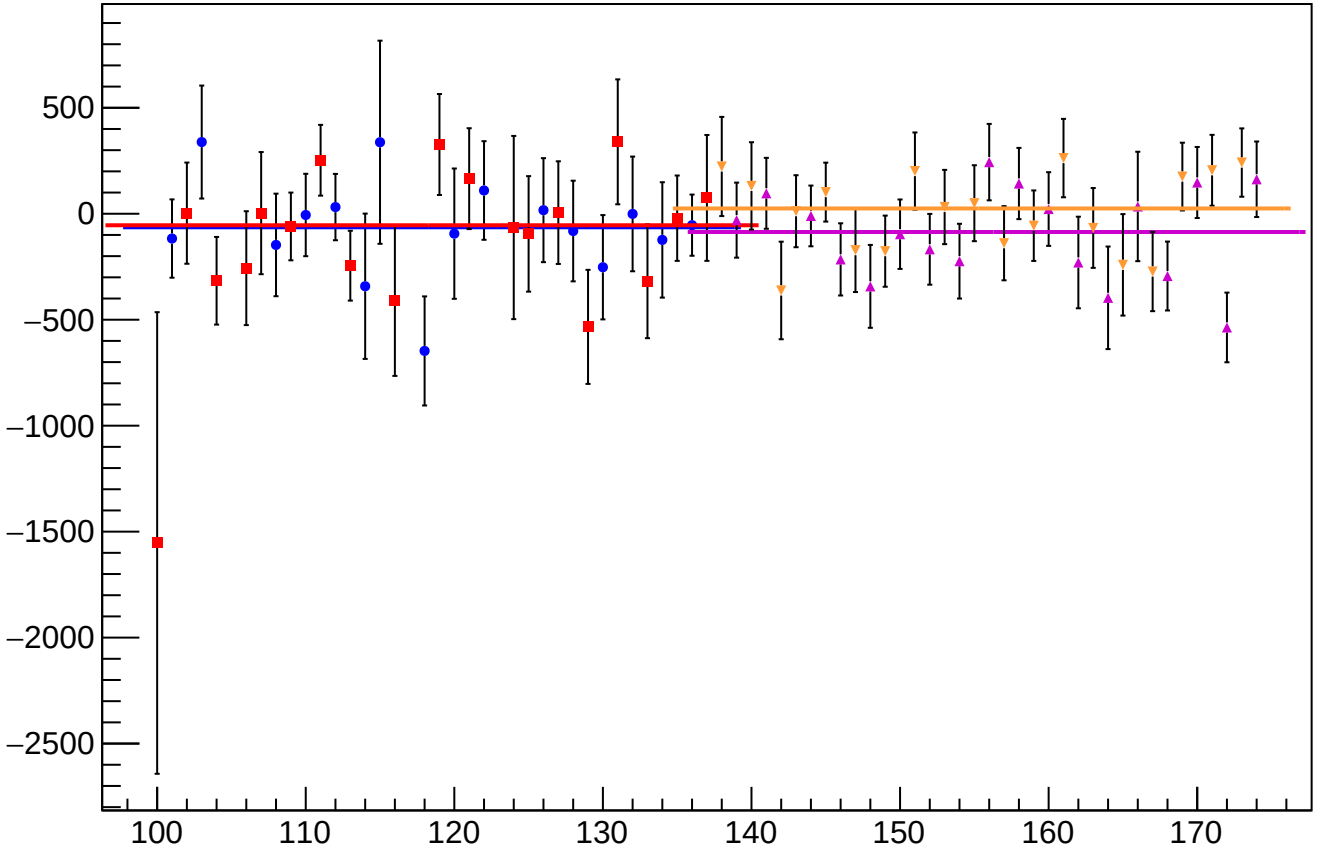
Left In: 1082.569+/-0.201 χ^2/NDF:666583.4/17

+ sign 1136.251+/-0.175 χ^2/NDF: 2220646.3/34

All: 1126.676+/-0.123 χ^2/NDF: 4405393.7/71

- 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: 25.036+/-41.256 χ^2/NDF:18.1/18

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

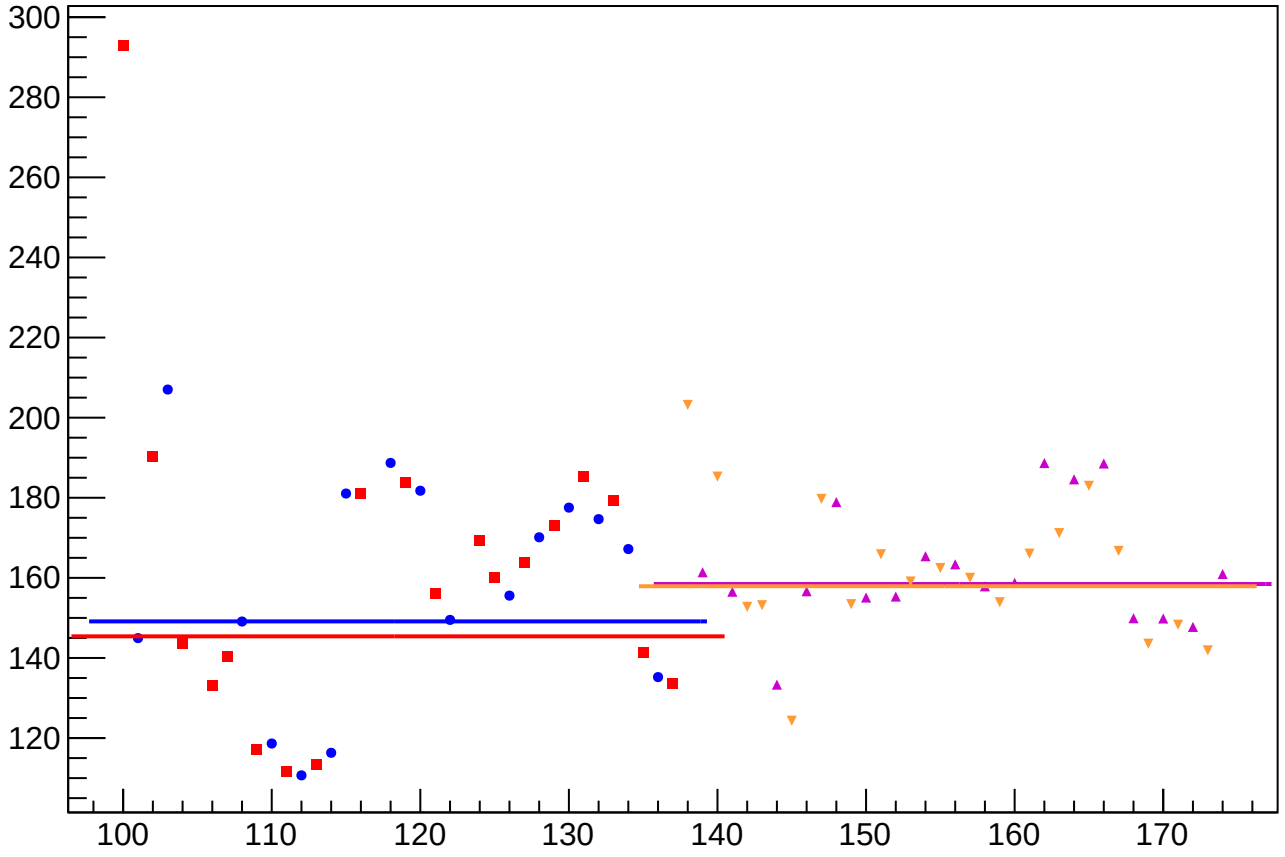
Left In: -86.156+/-41.635 χ^2/NDF:25.6/17

+ sign -5.686+/-33.367 χ^2/NDF: 30.6/34

All: -40.320+/-23.513 χ^2/NDF: 78.1/71

- 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: 157.905+/-0.029 χ^2/NDF:344326.7/18

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

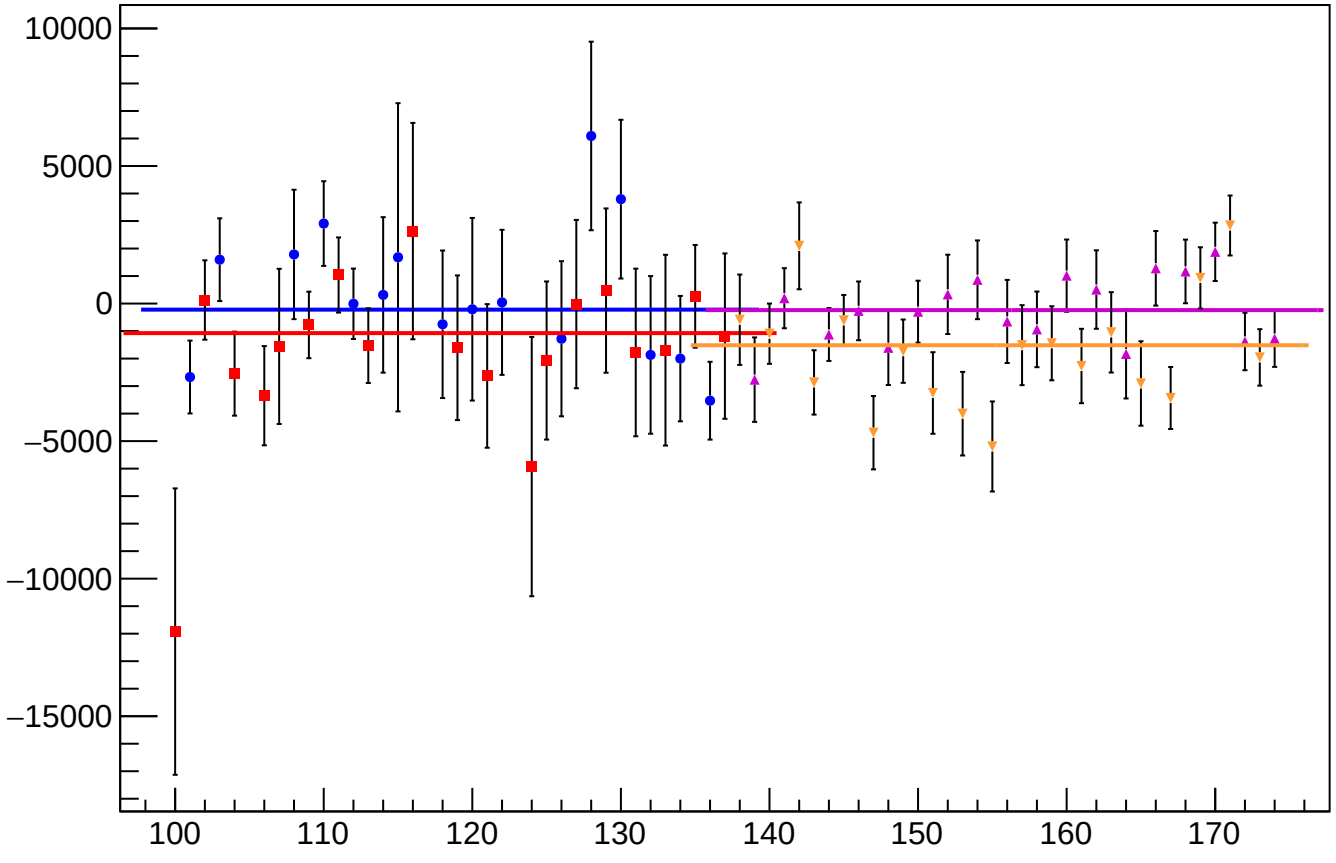
Left In: 158.460+/-0.029 χ^2/NDF:199885.9/17

+ sign 154.870+/-0.024 χ^2/NDF: 826624.7/34

All: 154.268+/-0.017 χ^2/NDF: 1625747.1/71

- sign 153.673+/-0.023 χ^2/NDF: 797827.8/36

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1515.759+/-289.346 χ^2/NDF:48.0/18

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

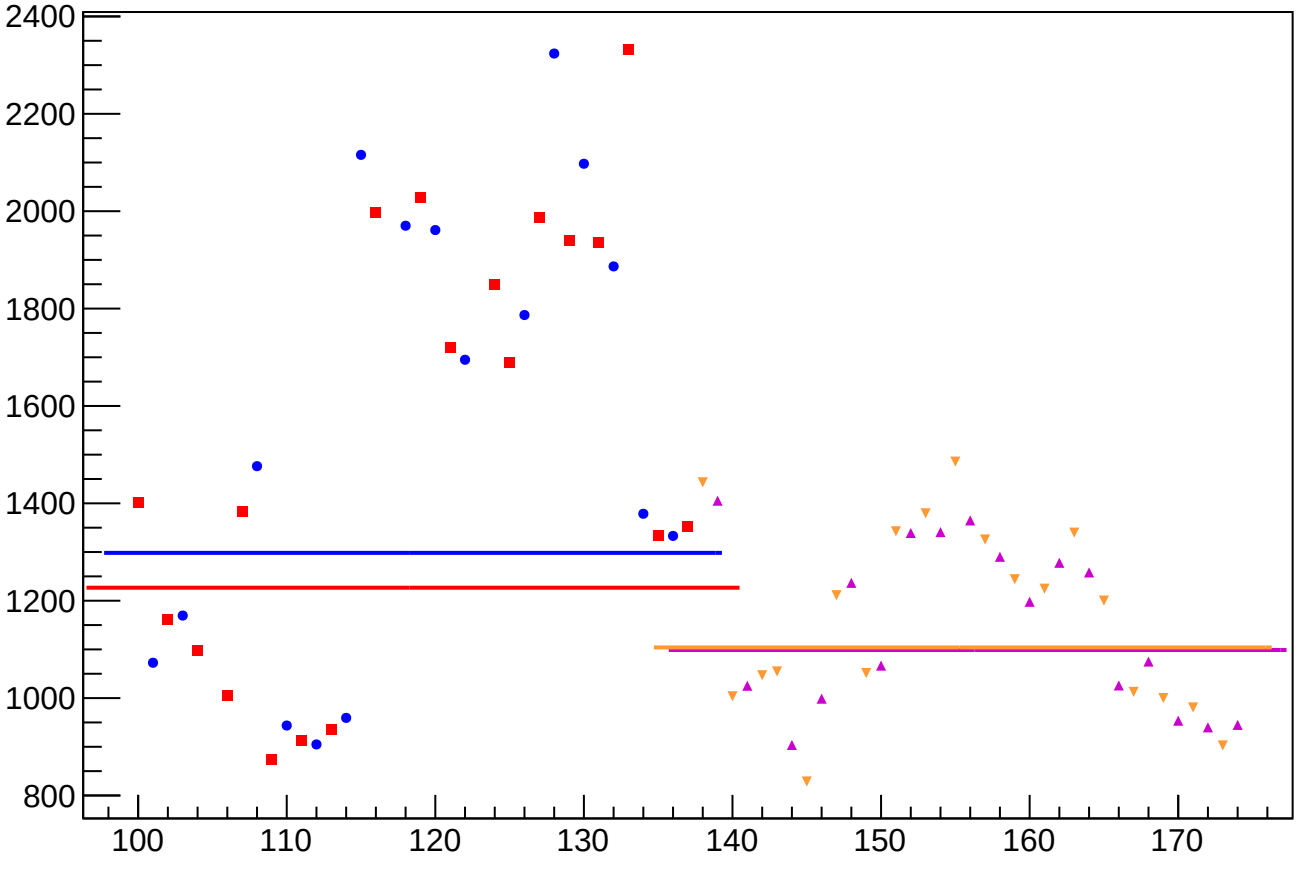
Left In: -238.698+/-288.761 χ^2/NDF:16.9/17

+ sign -1196.962+/-251.204 χ^2/NDF: 74.7/34

All: -824.345+/-175.918 χ^2/NDF: 111.9/71

- 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: 1104.029+/-0.205 χ^2/NDF:806891.1/18

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

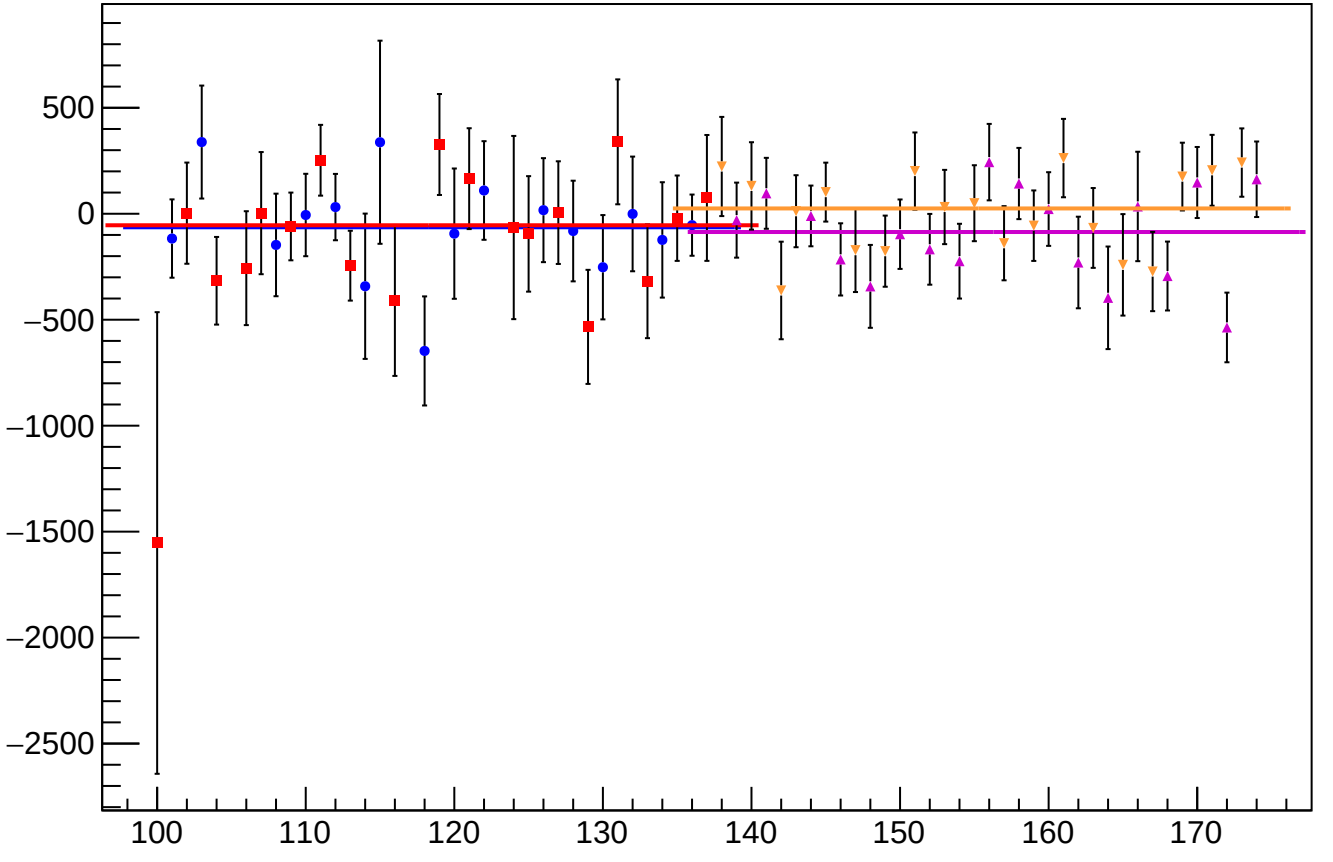
Left In: 1098.831+/-0.204 χ^2/NDF:622483.7/17

+ sign 1151.870+/-0.178 χ^2/NDF: 2211029.8/34

All: 1142.548+/-0.124 χ^2/NDF: 4350027.4/71

- 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: 25.038+/-41.256 χ^2/NDF:18.1/18

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

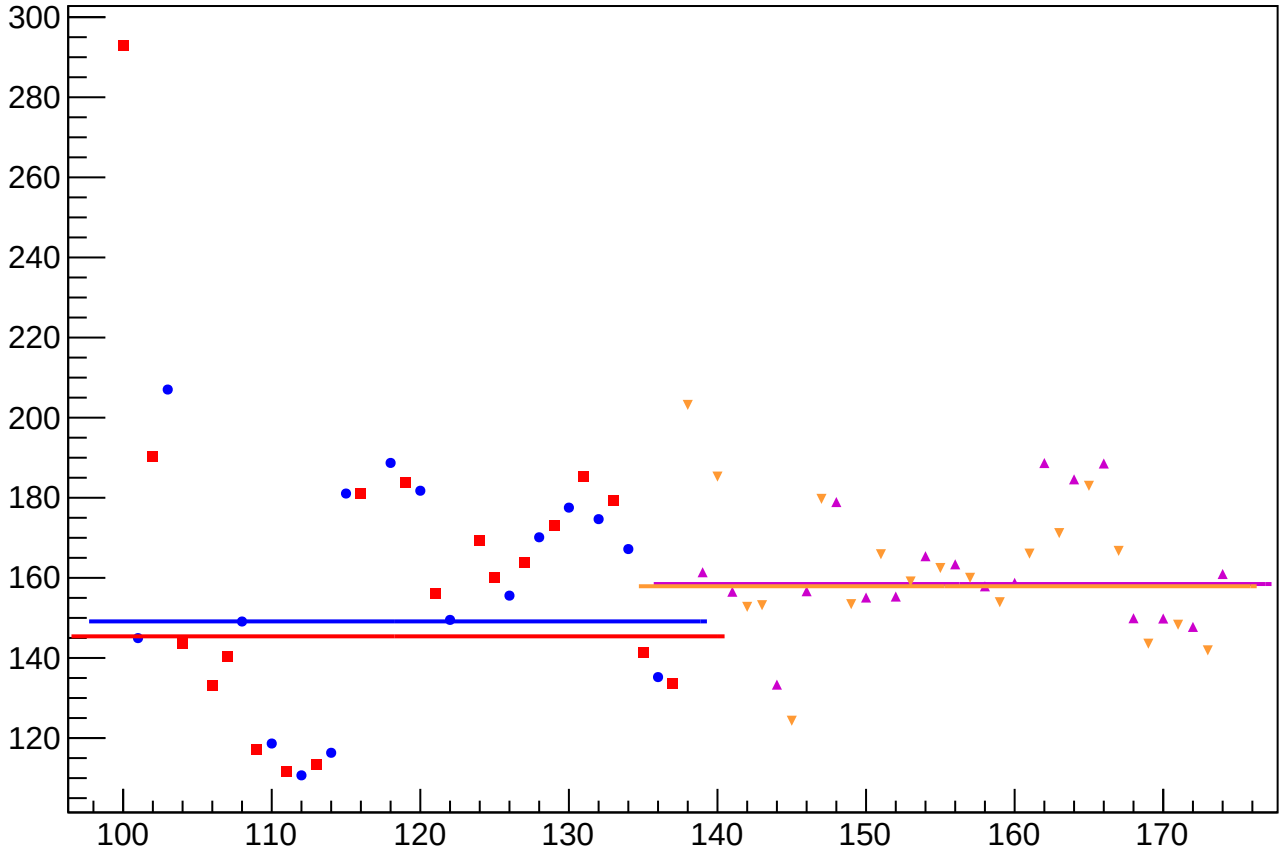
Left In: -86.156+/-41.635 χ^2/NDF:25.6/17

+ sign -5.683+/-33.367 χ^2/NDF: 30.6/34

All: -40.318+/-23.513 χ^2/NDF: 78.1/71

- 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: 157.905+/-0.029 χ^2/NDF:344322.0/18

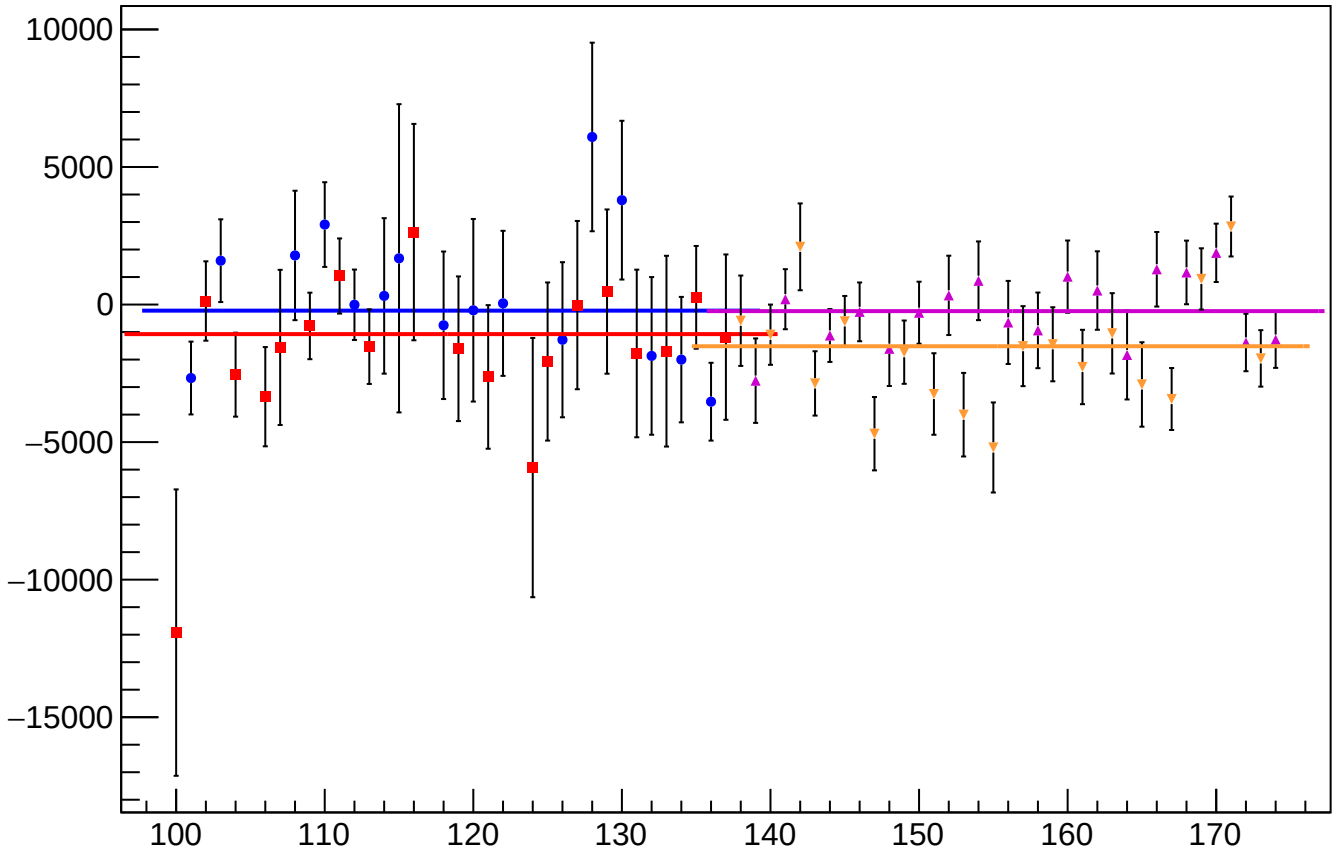
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 158.460+/-0.029 χ^2/NDF:199884.6/17

+ sign 154.870+/-0.024 χ^2/NDF: 826623.8/34

All: 154.268+/-0.017 χ^2/NDF: 1625750.9/71

- 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: -1515.756+/-289.345 χ^2/NDF:48.0/18

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

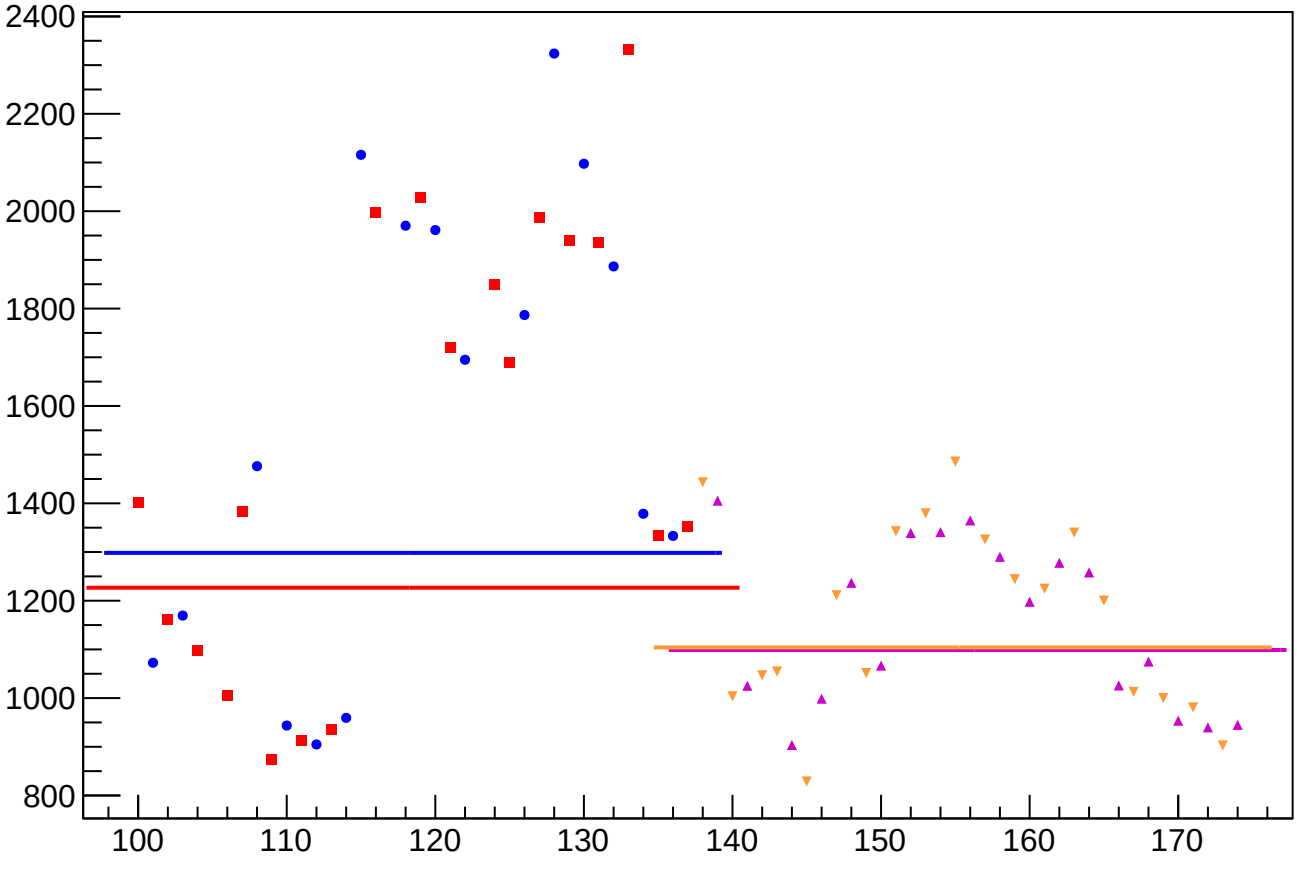
Left In: -238.696+/-288.761 χ^2/NDF:16.9/17

+ sign -1196.960+/-251.203 χ^2/NDF: 74.7/34

All: -824.343+/-175.918 χ^2/NDF: 111.9/71

- 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: 1104.028+/-0.205 χ^2/NDF:806894.7/18

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

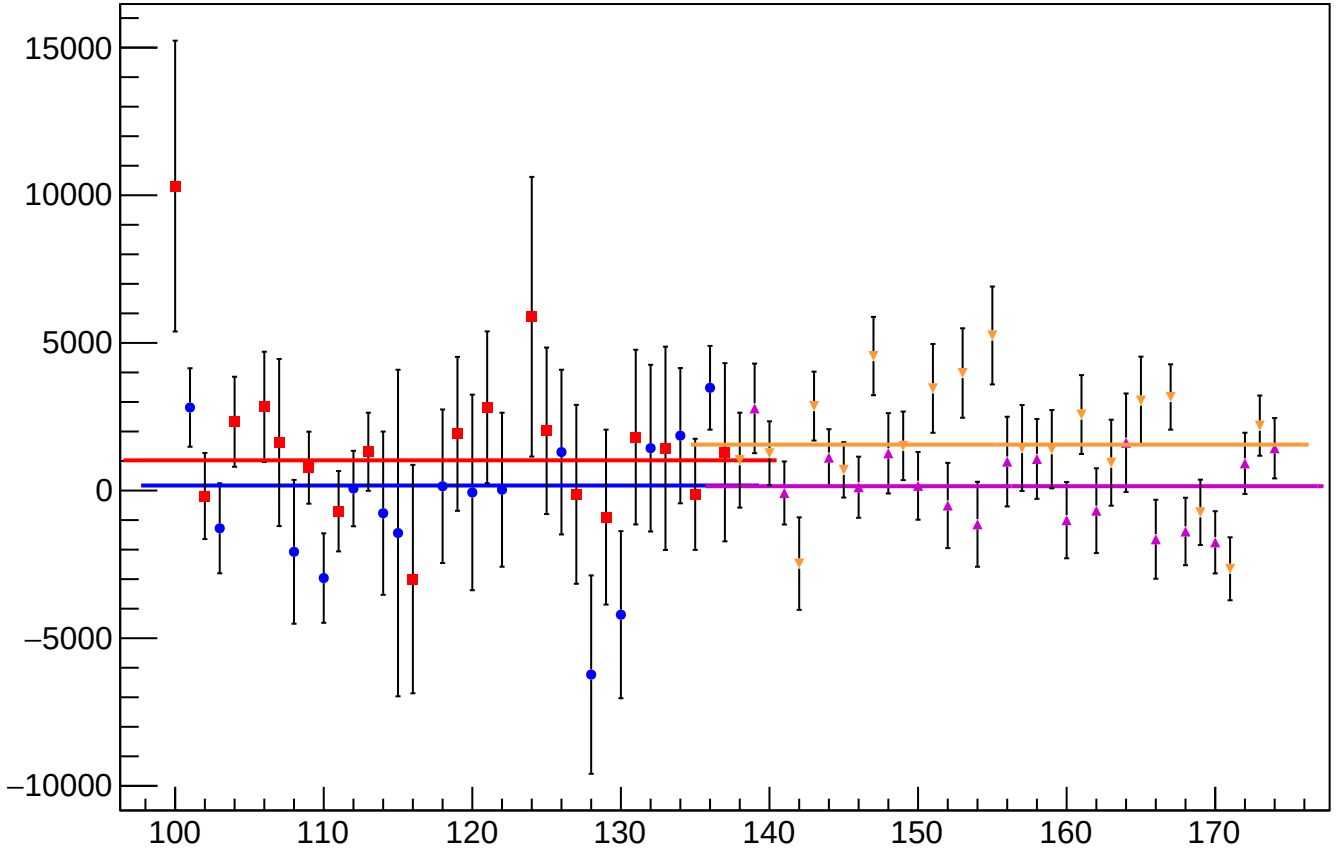
Left In: 1098.829+/-0.204 χ^2/NDF:622485.0/17

+ sign 1151.868+/-0.178 χ^2/NDF: 2211038.6/34

All: 1142.546+/-0.124 χ^2/NDF: 4350041.2/71

- 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: 1555.130+/-287.756 χ^2/NDF:47.3/18

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

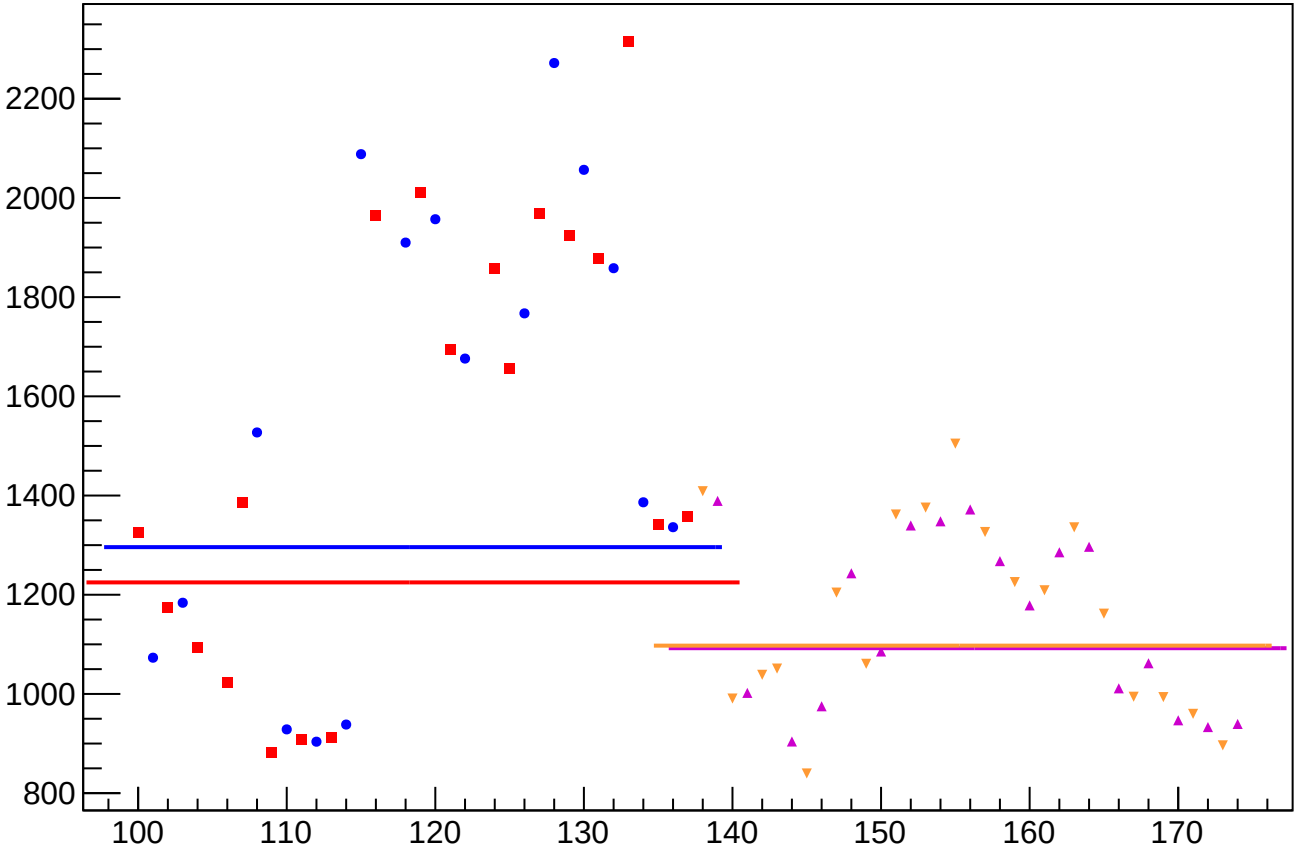
Left In: 147.586+/-287.136 χ^2/NDF:17.4/17

+ sign 1216.025+/-250.032 χ^2/NDF: 75.5/34

All: 792.201+/-175.106 χ^2/NDF: 112.7/71

- 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: 1097.393+/-0.203 χ^2/NDF:802307.8/18

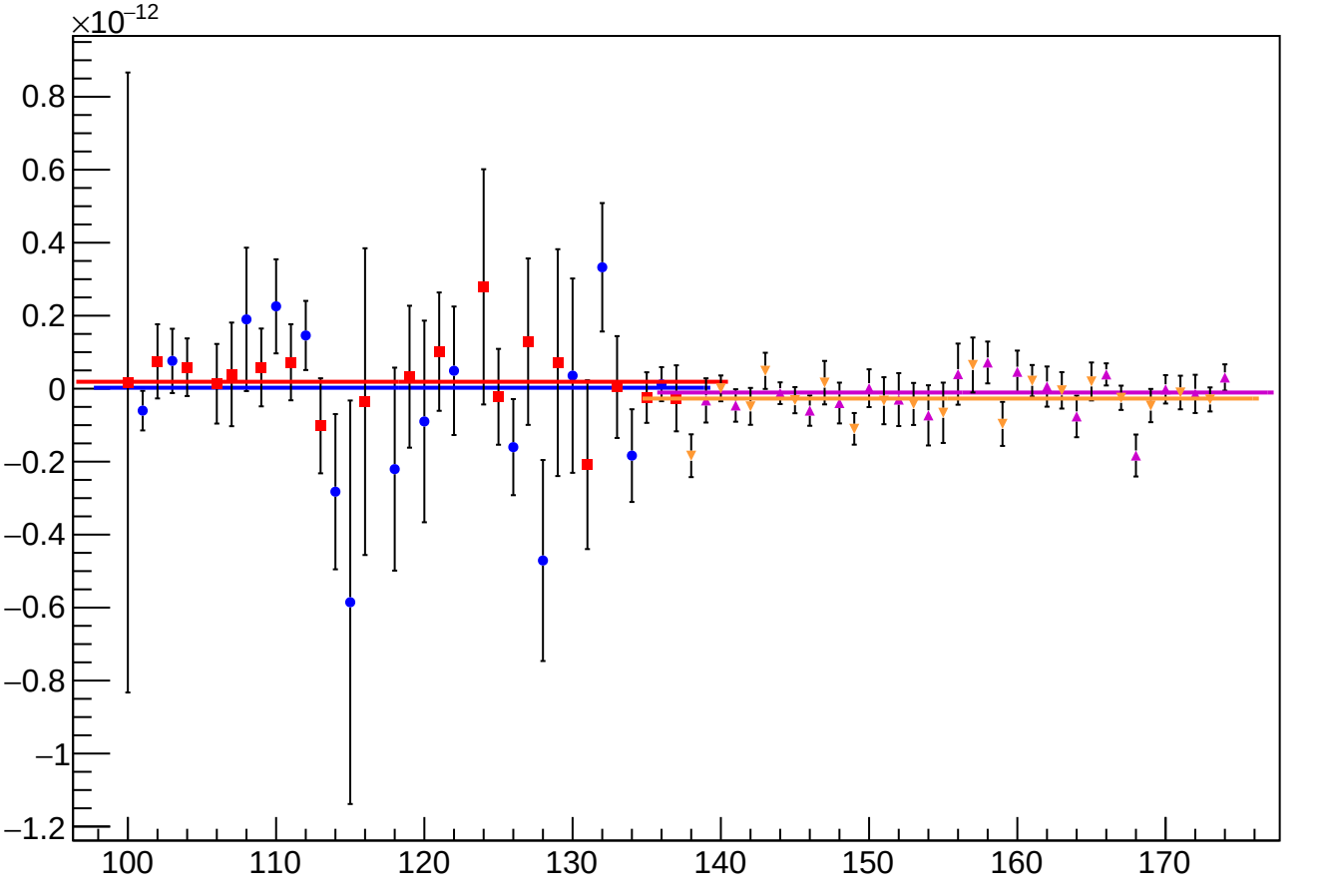
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1092.224+/-0.203 χ^2/NDF:655065.2/17

+ sign 1146.050+/-0.177 χ^2/NDF: 2189886.9/34

All: 1136.880+/-0.124 χ^2/NDF: 4336807.2/71

- sign 1128.053+/-0.173 χ^2/NDF: 2141640.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

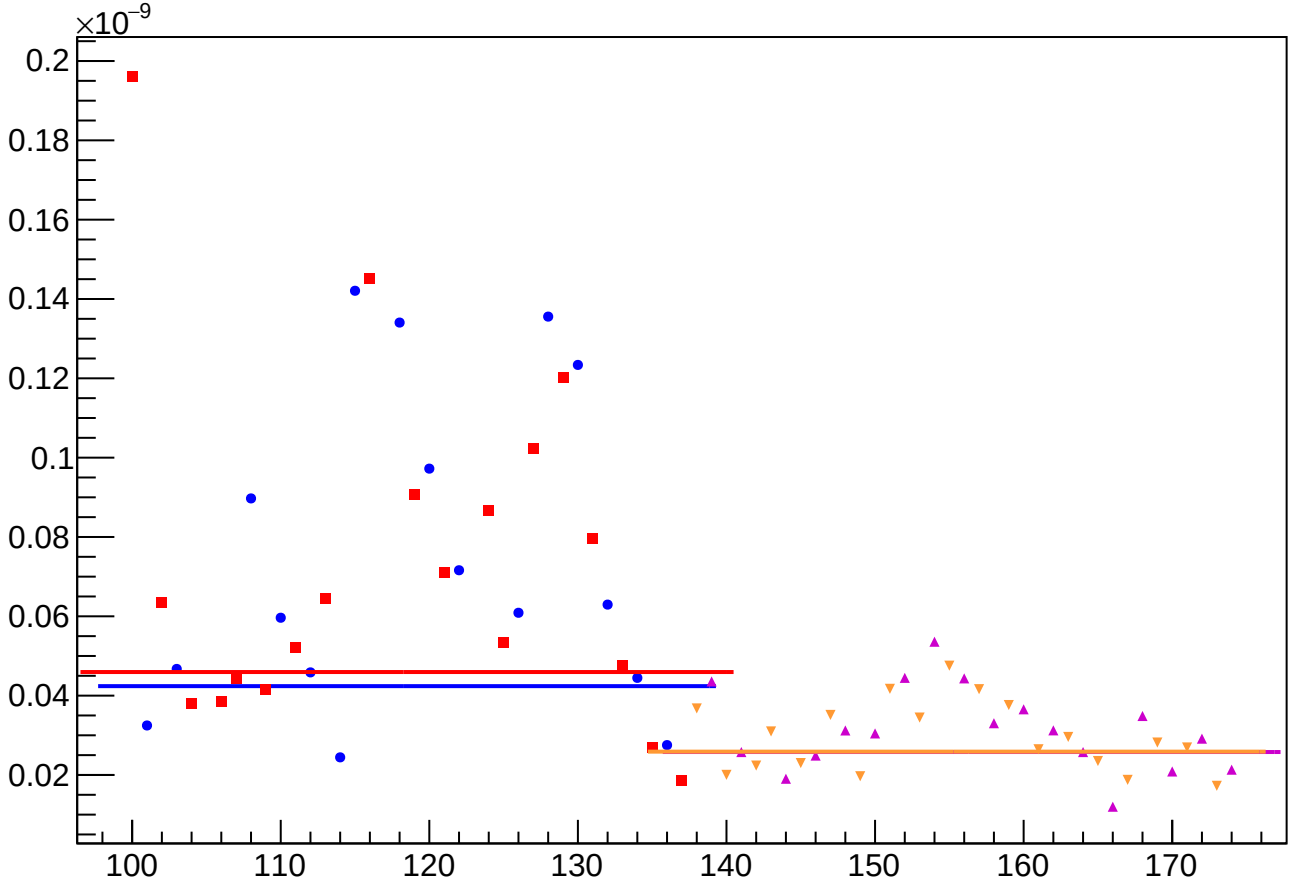
Left In: -0.000+/-0.000 χ^2/NDF:21.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 43.4/34

All: -0.000+/-0.000 χ^2/NDF: 71.4/71

- 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:972375.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

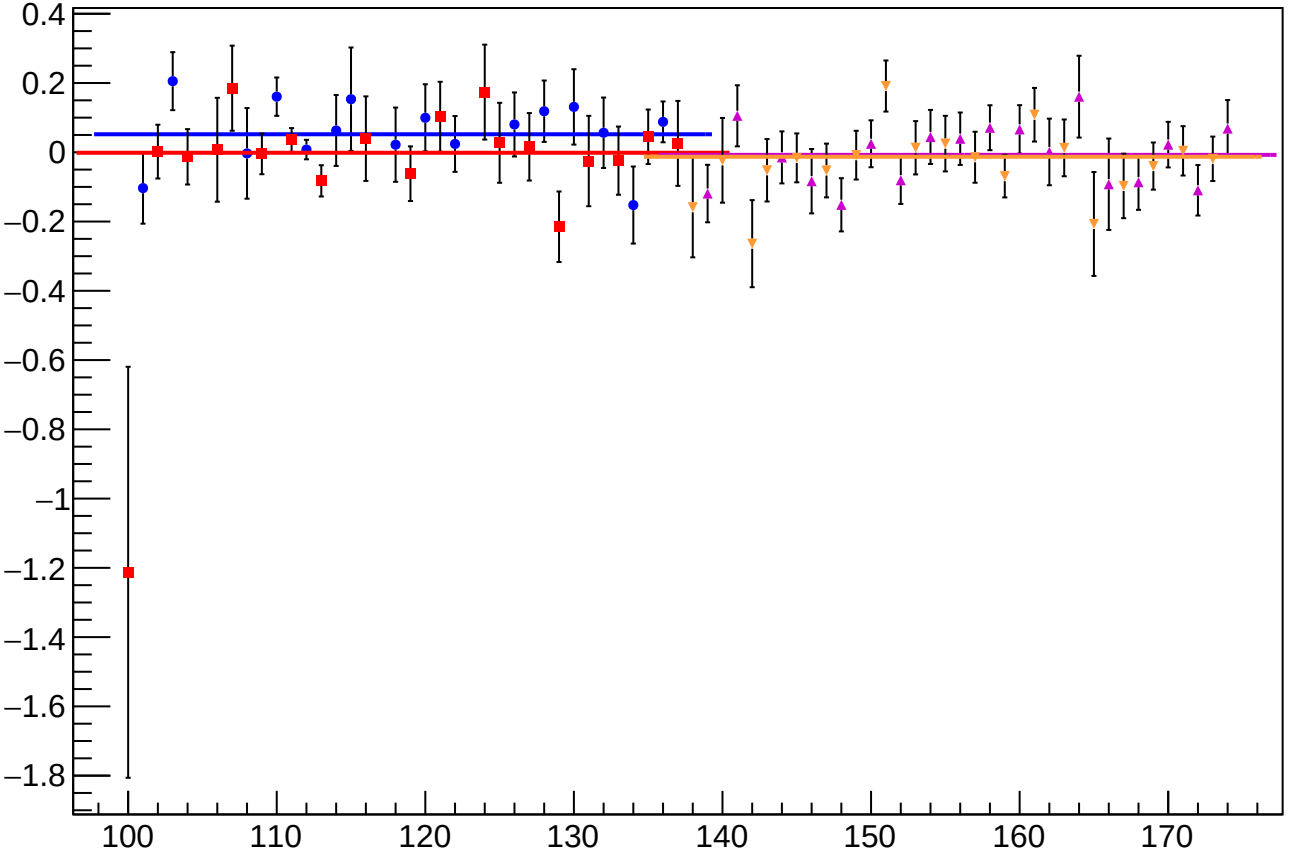
Left In: 0.000+/-0.000 χ^2/NDF:1424571.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 2967161.5/34

All: 0.000+/-0.000 χ^2/NDF: 6360095.3/71

- sign 0.000+/-0.000 χ^2/NDF: 3392393.8/36

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.013+/-0.018 χ^2/NDF:19.6/18

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

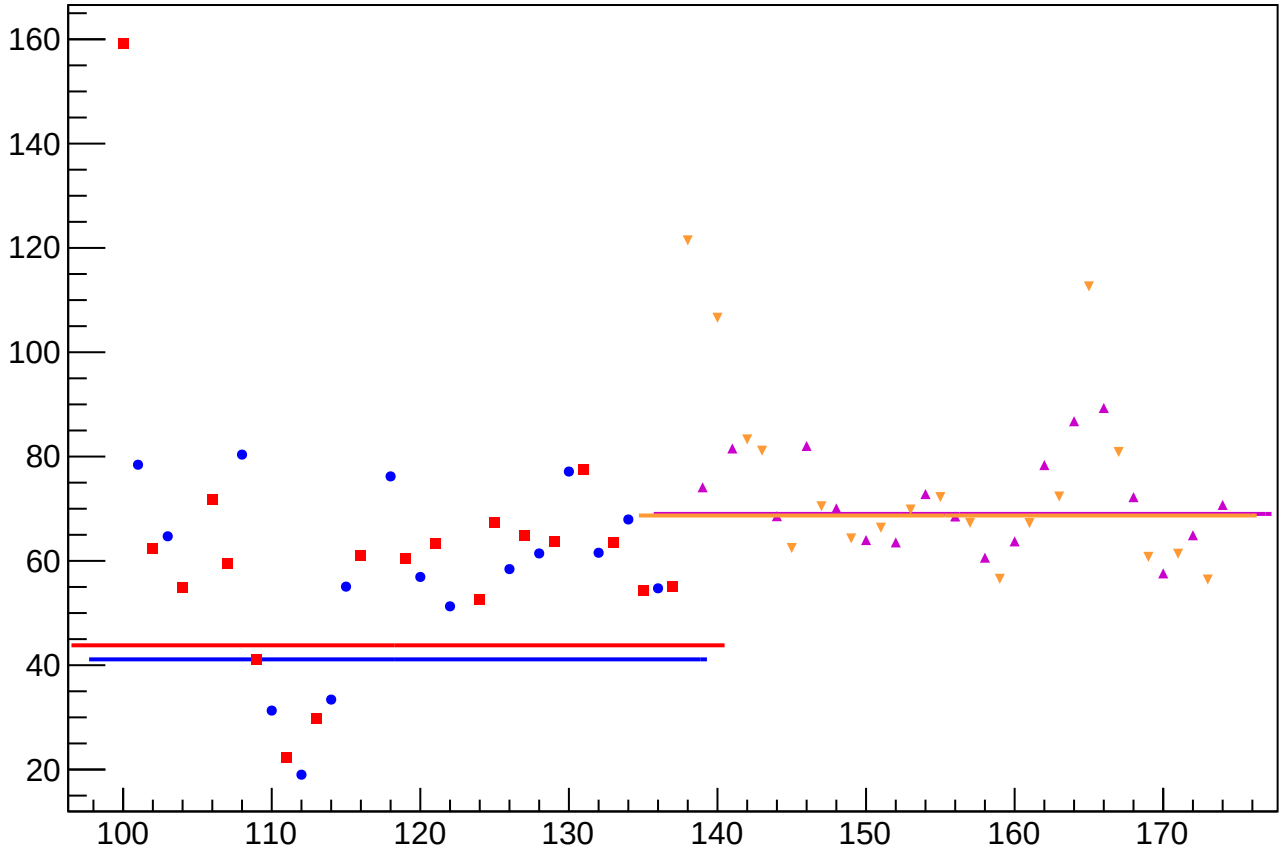
Left In: -0.007+/-0.019 χ^2/NDF:18.8/17

+ sign 0.021+/-0.013 χ^2/NDF: 44.0/34

All: 0.008+/-0.009 χ^2/NDF: 84.0/71

- 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: 68.701+/-0.013 χ^2/NDF:964163.8/18

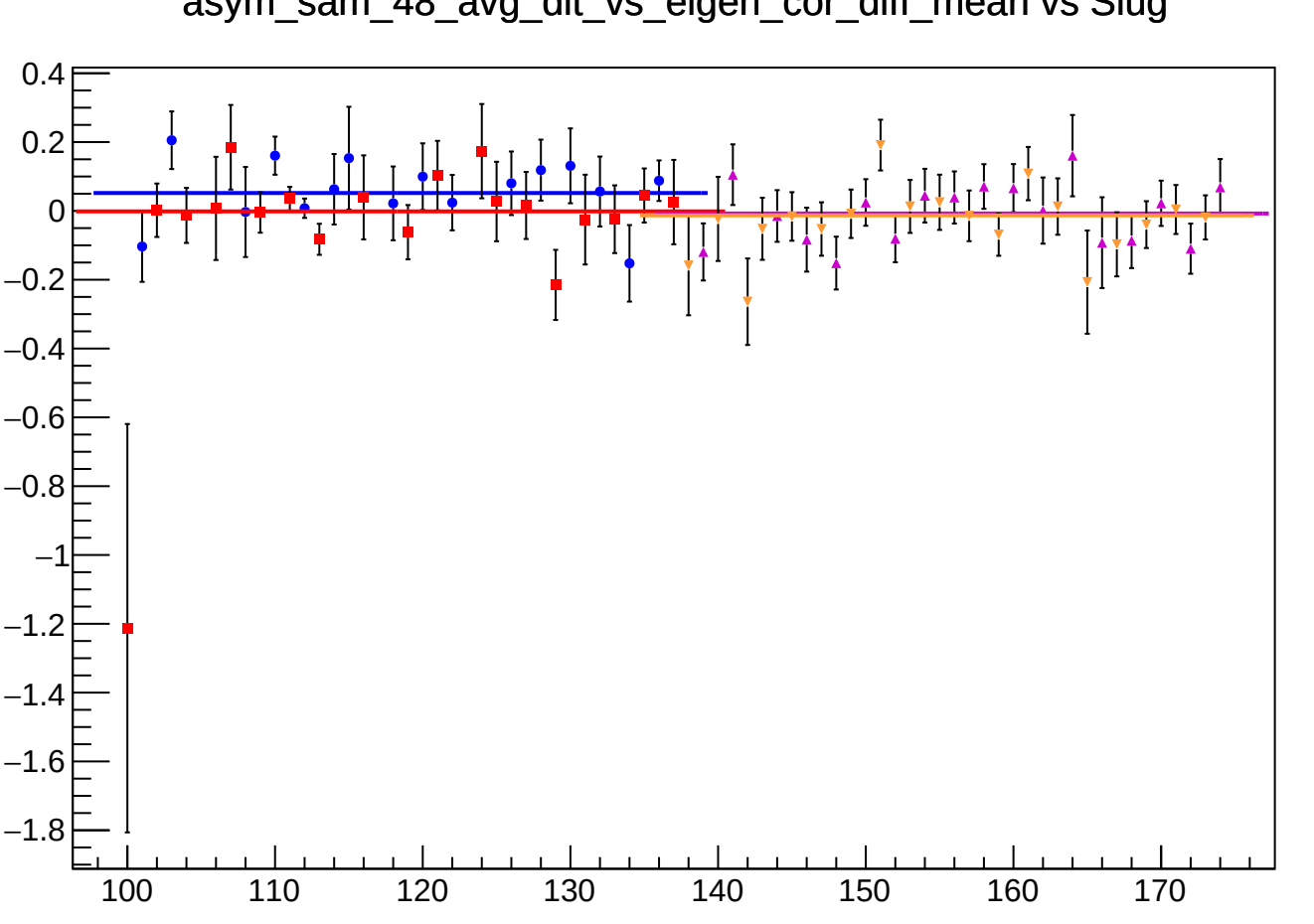
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.004+/-0.013 χ^2/NDF:343079.2/17

+ sign 54.441+/-0.009 χ^2/NDF: 6215912.2/34

All: 55.206+/-0.006 χ^2/NDF: 10529814.8/71

- 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: -0.013+/-0.018 χ^2/NDF:19.6/18

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

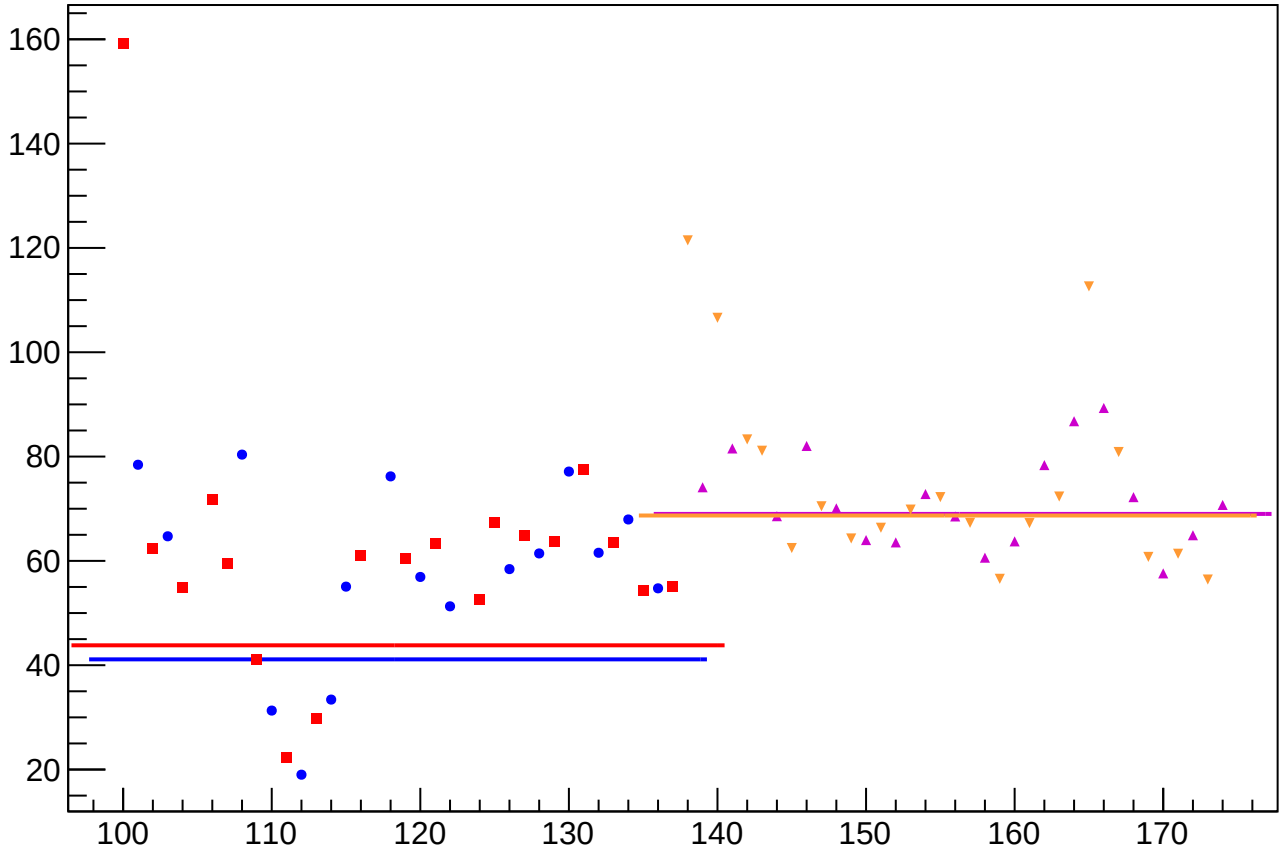
Left In: -0.007+/-0.019 χ^2/NDF:18.8/17

+ sign 0.021+/-0.013 χ^2/NDF: 44.0/34

All: 0.008+/-0.009 χ^2/NDF: 84.0/71

- 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: 68.701+/-0.013 χ^2/NDF:964163.8/18

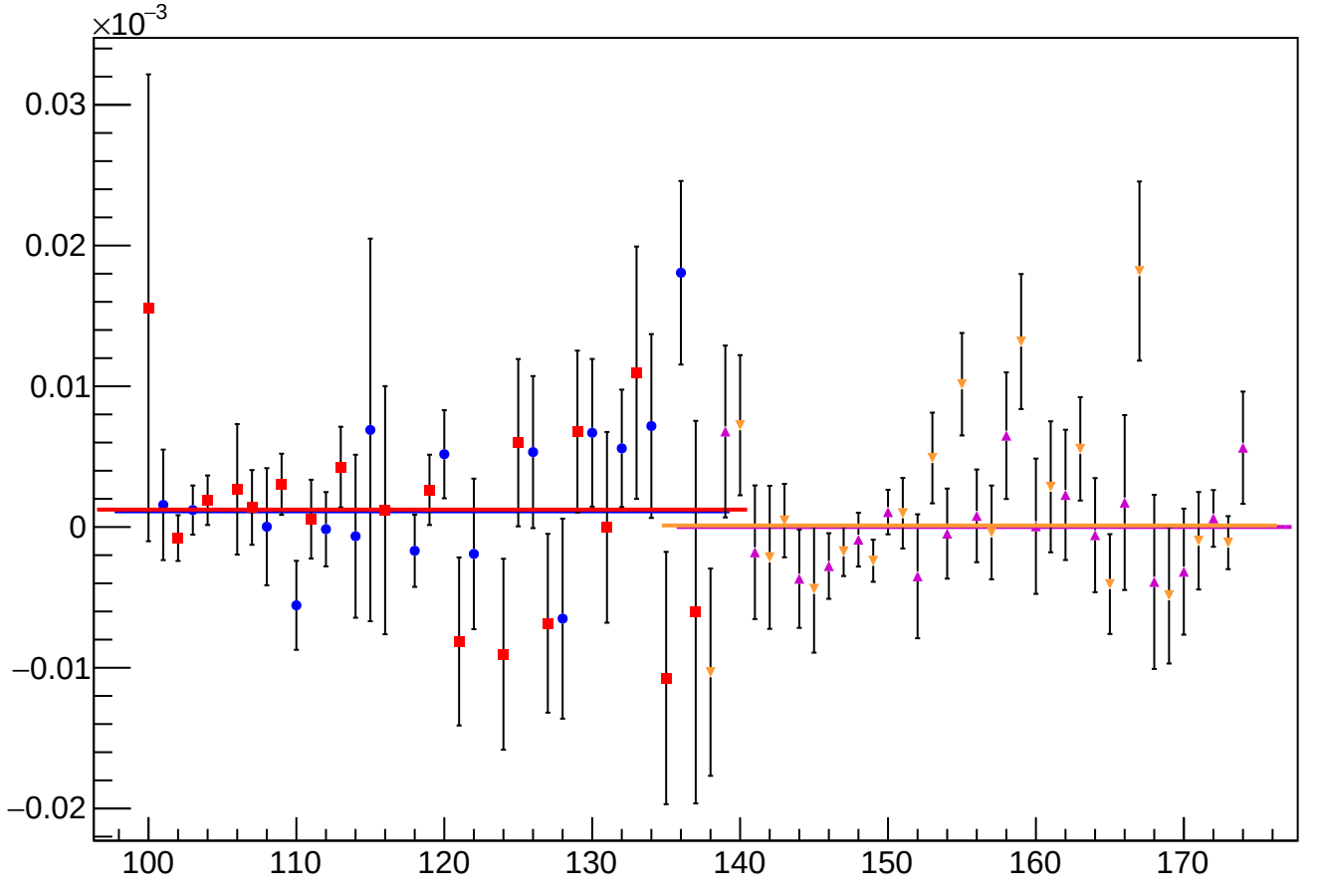
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.004+/-0.013 χ^2/NDF:343079.2/17

+ sign 54.441+/-0.009 χ^2/NDF: 6215912.2/34

All: 55.206+/-0.006 χ^2/NDF: 10529814.8/71

- 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:40.1/18

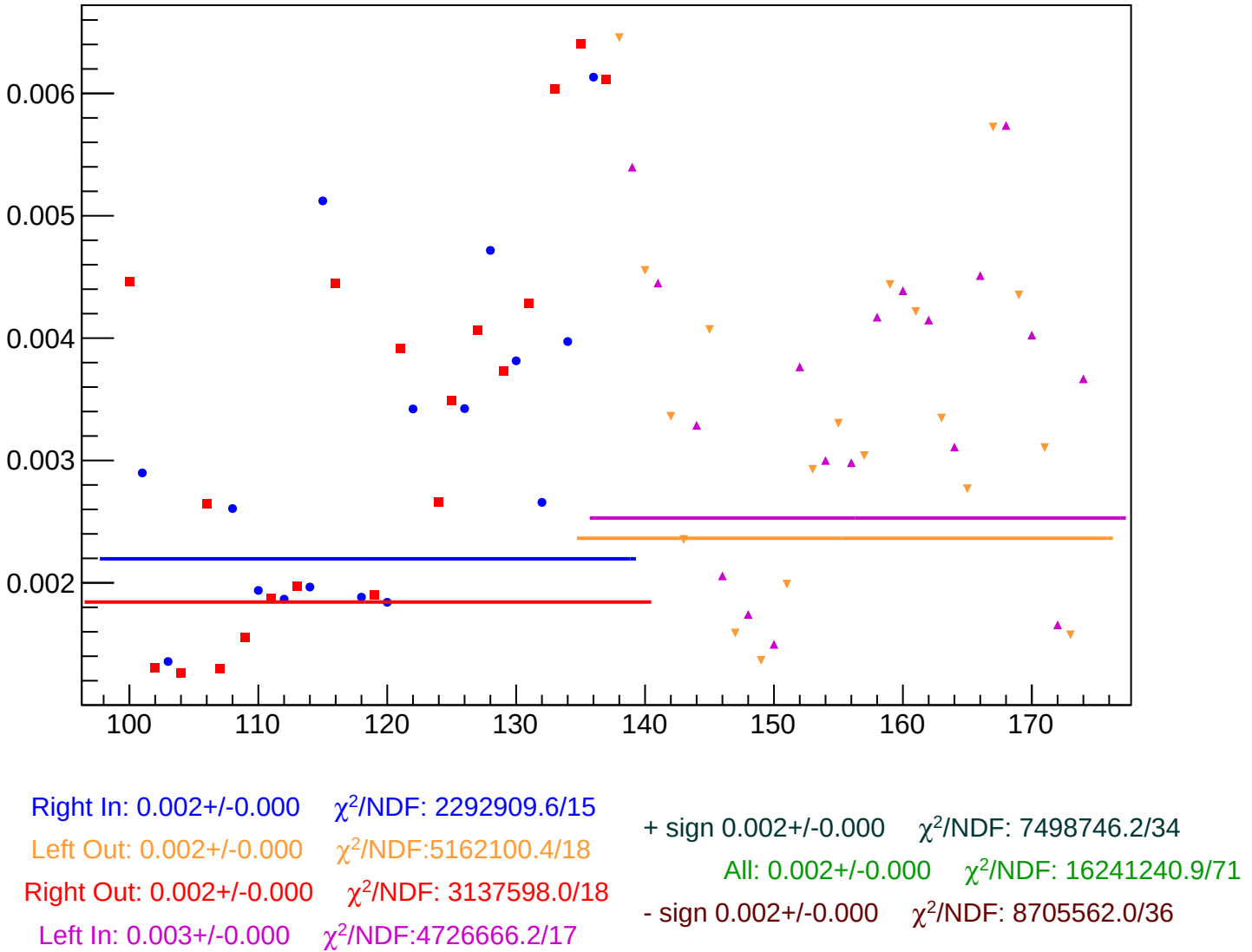
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

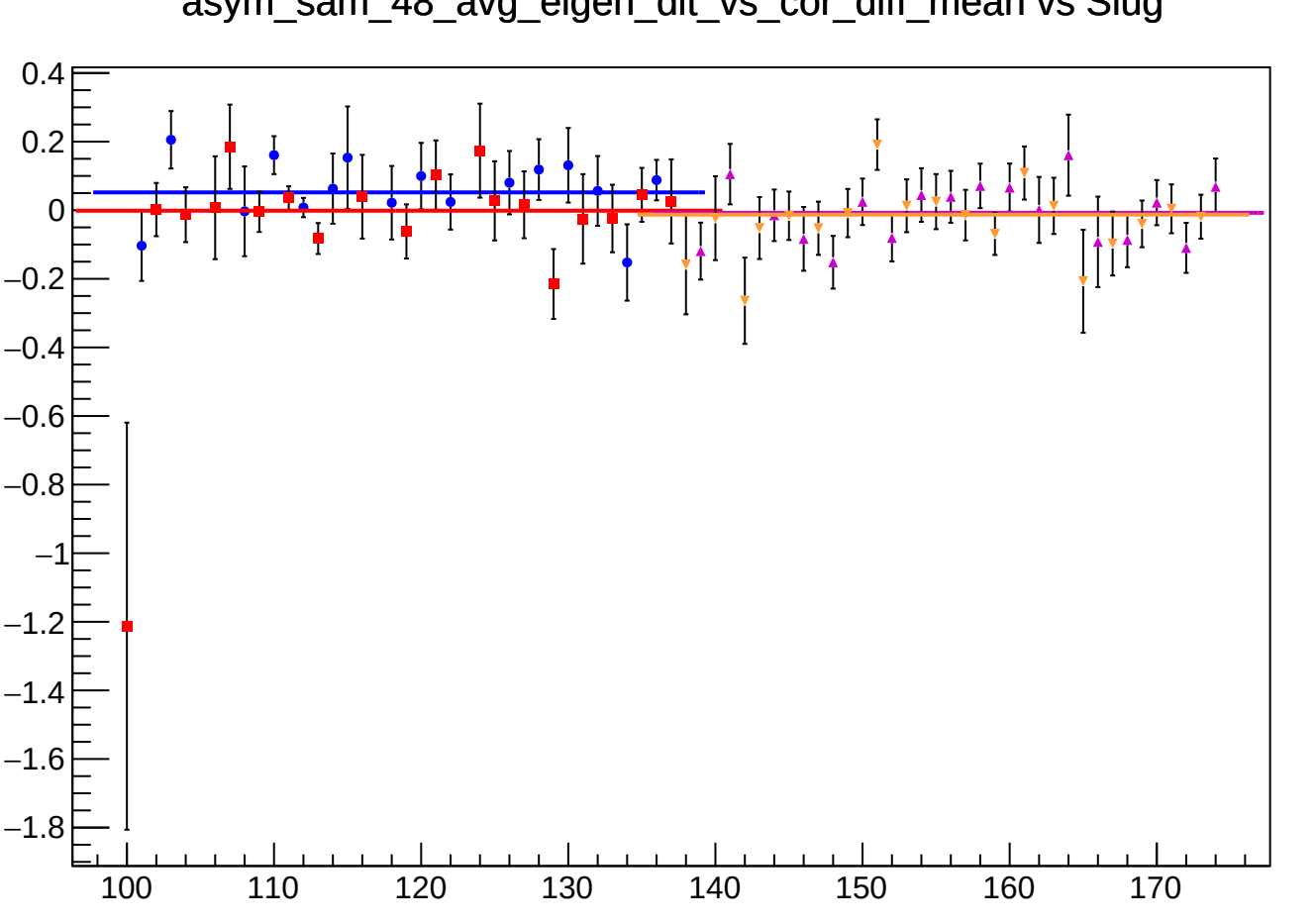
Left In: 0.000+/-0.000 χ^2/NDF:10.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 60.8/34

All: 0.000+/-0.000 χ^2/NDF: 88.8/71

- sign 0.000+/-0.000 χ^2/NDF: 28.0/36


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.006
0.005
0.004
0.003
0.002
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 2292909.6/15
Left Out: 0.002+/-0.000 χ²/NDF:5162100.4/18
Right Out: 0.002+/-0.000 χ²/NDF: 3137598.0/18
Left In: 0.003+/-0.000 χ²/NDF:4726666.2/17
+ sign 0.002+/-0.000 χ²/NDF: 7498746.2/34
All: 0.002+/-0.000 χ²/NDF: 16241240.9/71
- sign 0.002+/-0.000 χ²/NDF: 8705562.0/36



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.013+/-0.018 χ^2/NDF:19.6/18

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

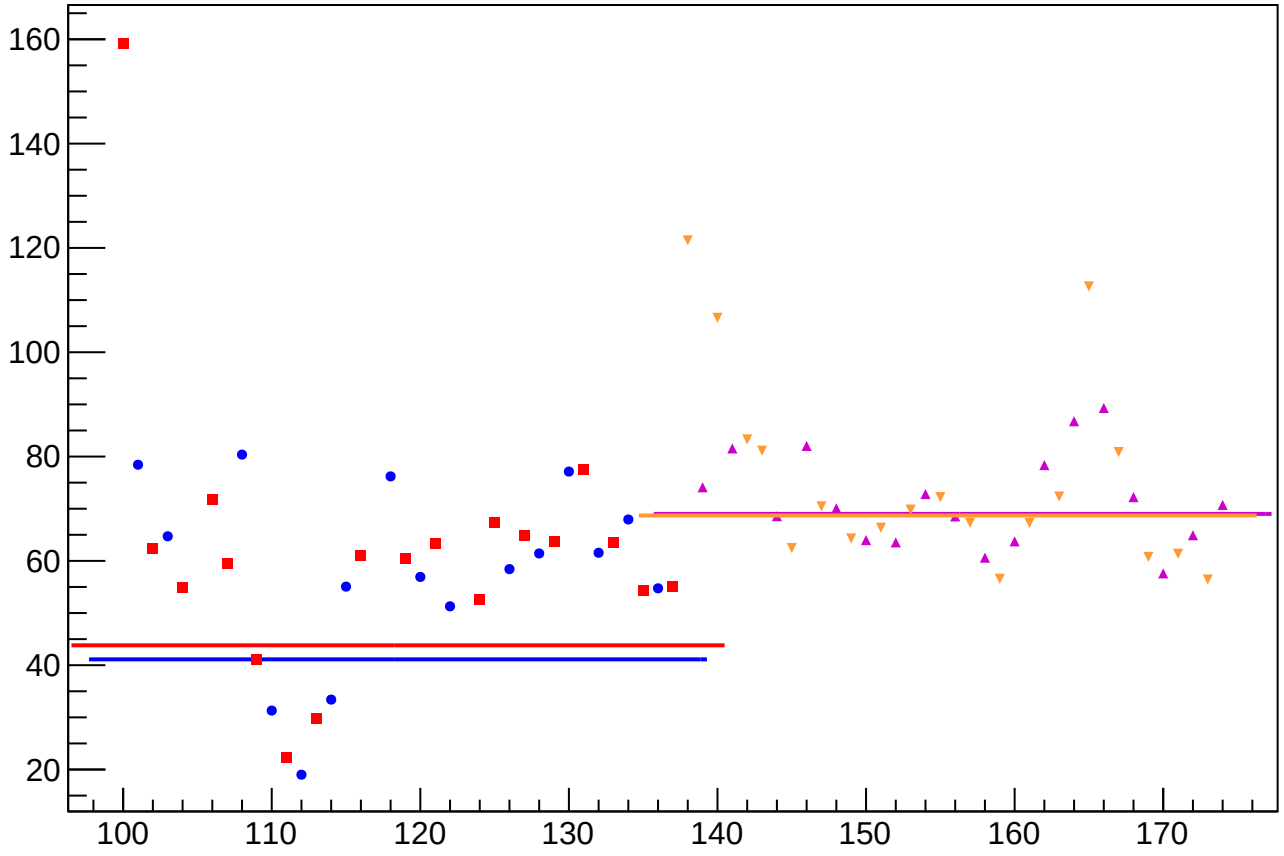
Left In: -0.007+/-0.019 χ^2/NDF:18.8/17

+ sign 0.021+/-0.013 χ^2/NDF: 44.0/34

All: 0.008+/-0.009 χ^2/NDF: 84.0/71

- sign -0.004+/-0.013 χ^2/NDF: 38.1/36

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 68.701+/-0.013 χ^2/NDF:964143.5/18

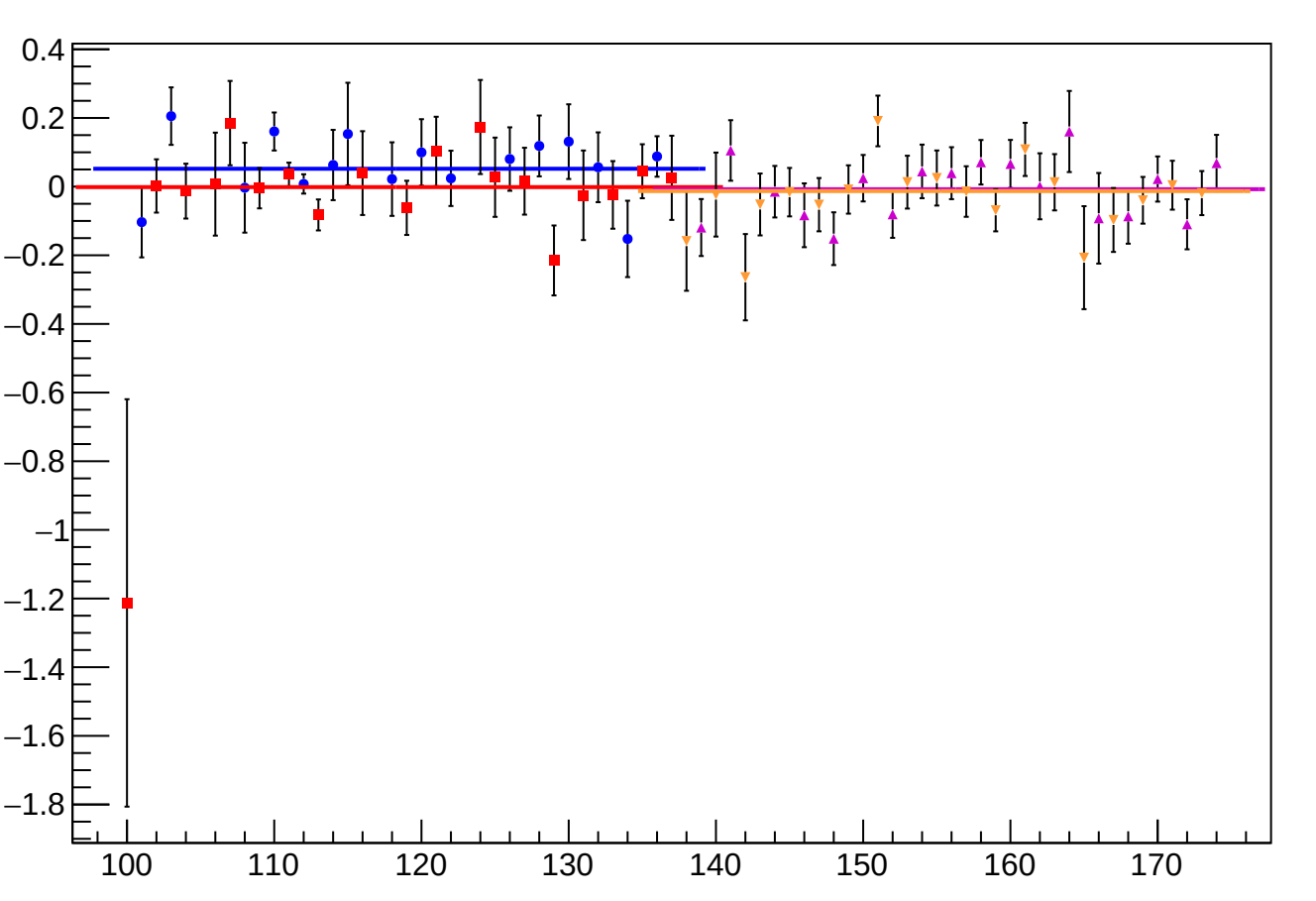
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.005+/-0.013 χ^2/NDF:343076.8/17

+ sign 54.441+/-0.009 χ^2/NDF: 6216326.5/34

All: 55.206+/-0.006 χ^2/NDF: 10530635.7/71

- 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: -0.013+/-0.018 χ^2/NDF:19.6/18

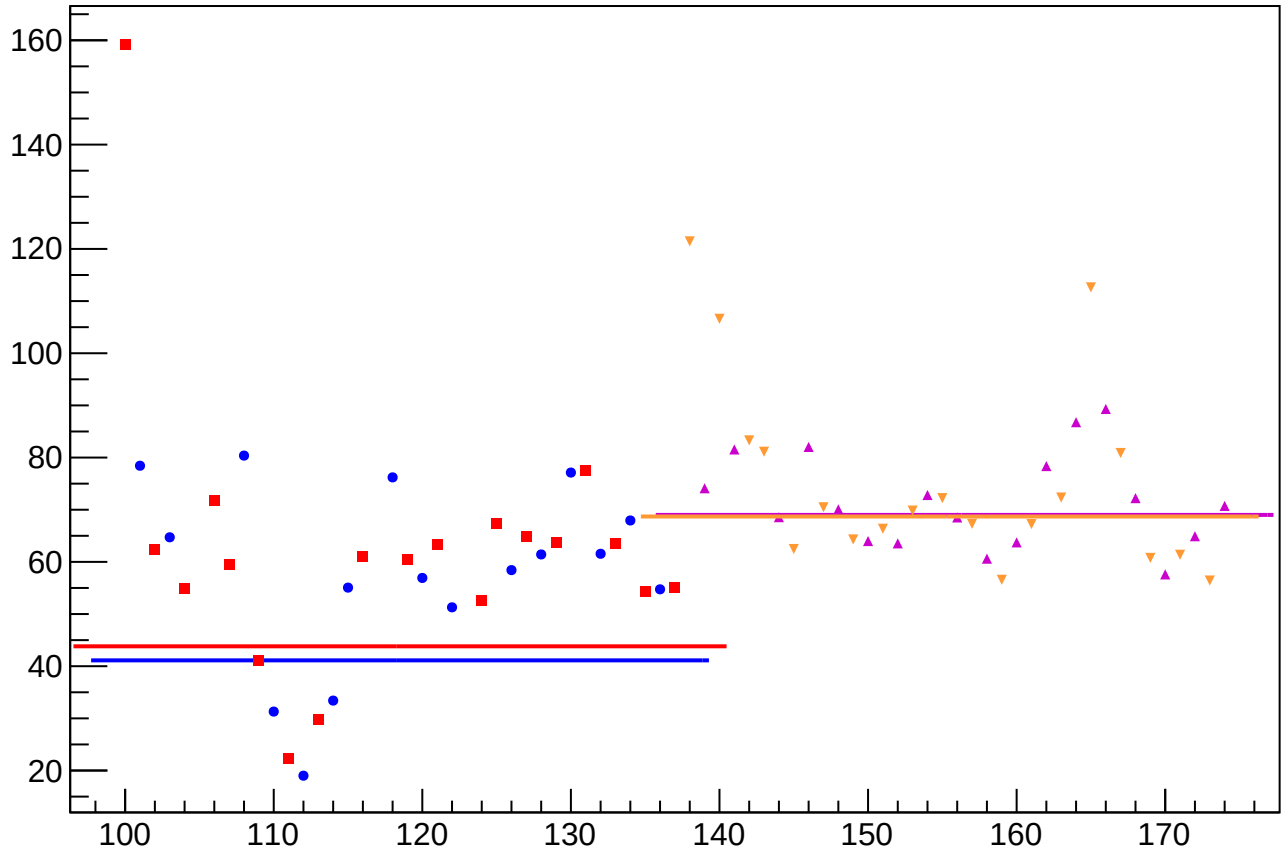
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.007+/-0.019 χ^2/NDF:18.8/17

+ sign 0.021+/-0.013 χ^2/NDF: 44.0/34

All: 0.008+/-0.009 χ^2/NDF: 84.0/71

- 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: 68.701+/-0.013 χ^2/NDF:964143.5/18

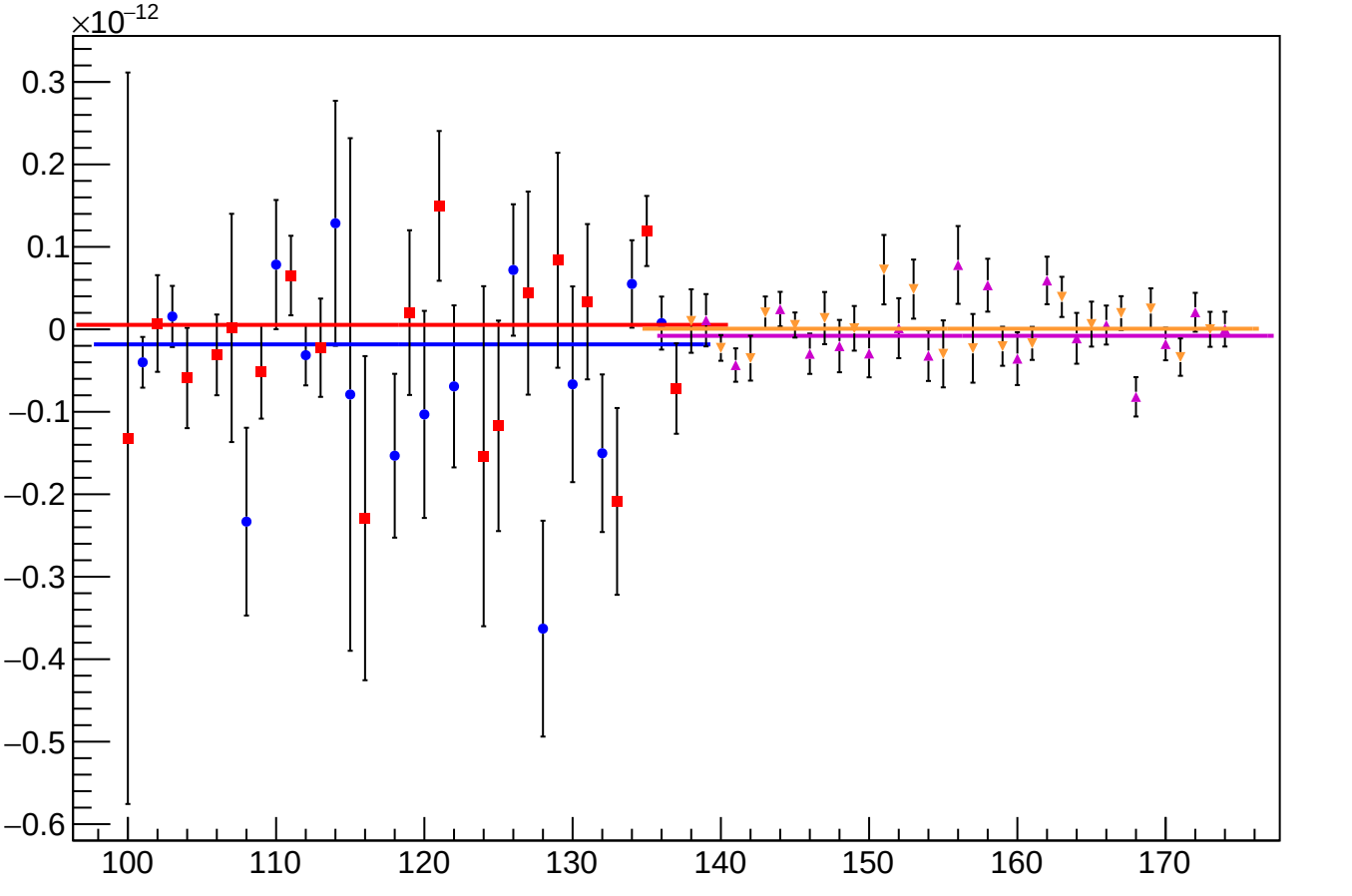
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.005+/-0.013 χ^2/NDF:343076.8/17

+ sign 54.441+/-0.009 χ^2/NDF: 6216326.5/34

All: 55.206+/-0.006 χ^2/NDF: 10530635.7/71

- 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:19.2/18

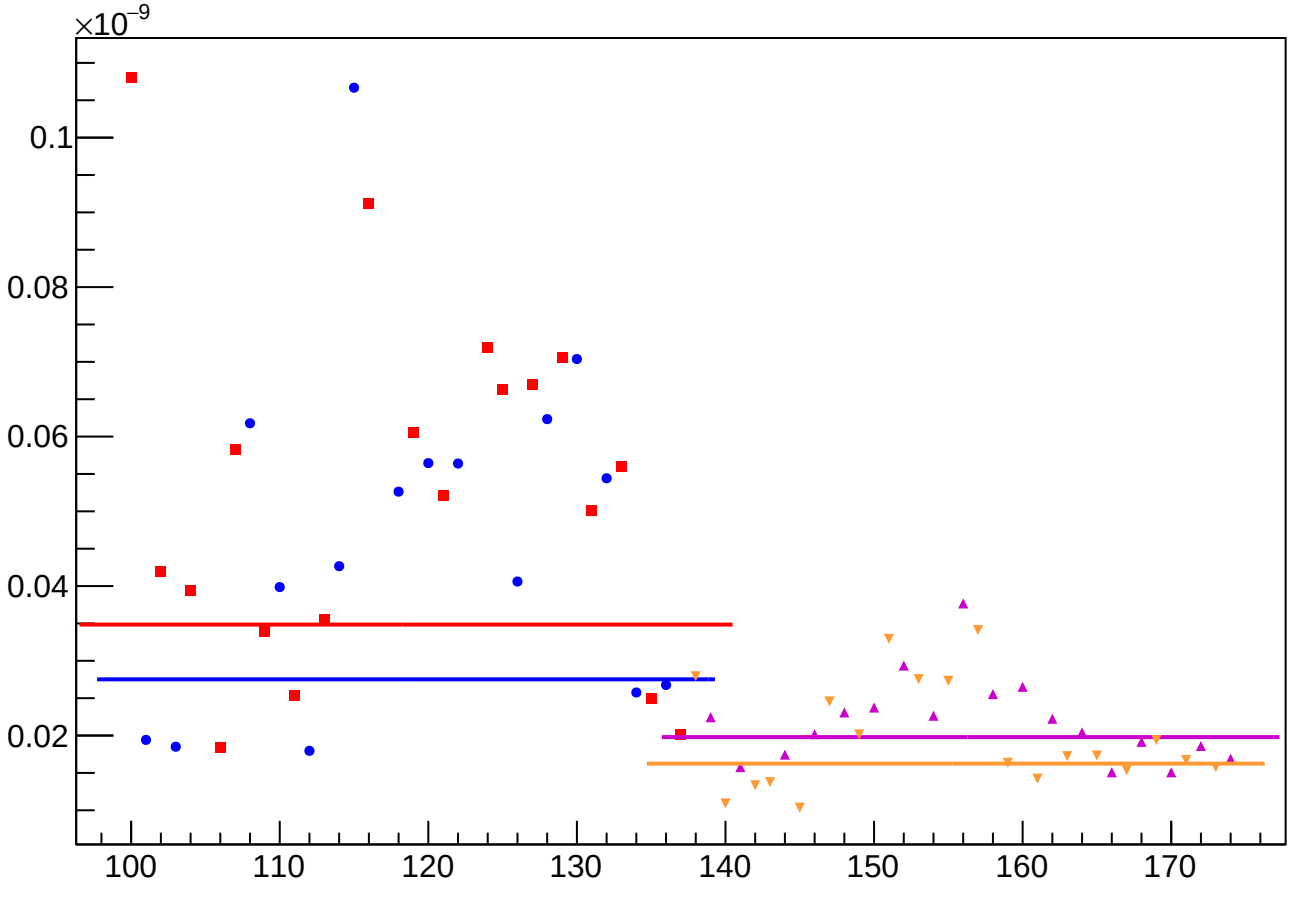
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:32.9/17

+ sign -0.000+/-0.000 χ^2/NDF: 43.7/34

All: -0.000+/-0.000 χ^2/NDF: 100.8/71

- 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:2048399.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

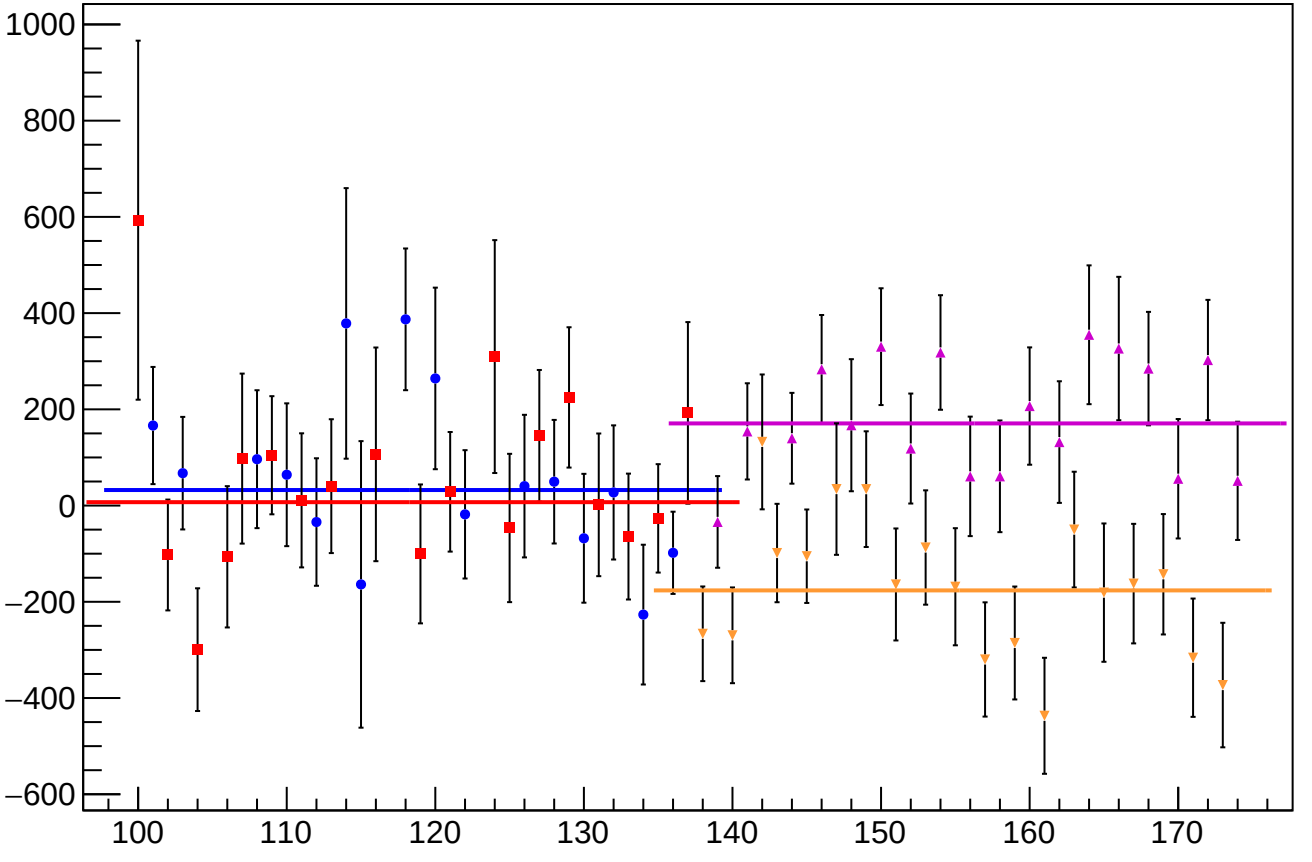
Left In: 0.000+/-0.000 χ^2/NDF:1025137.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 4918596.3/34

All: 0.000+/-0.000 χ^2/NDF: 9572580.5/71

- 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: -176.314+/-26.957 χ^2/NDF:25.5/18

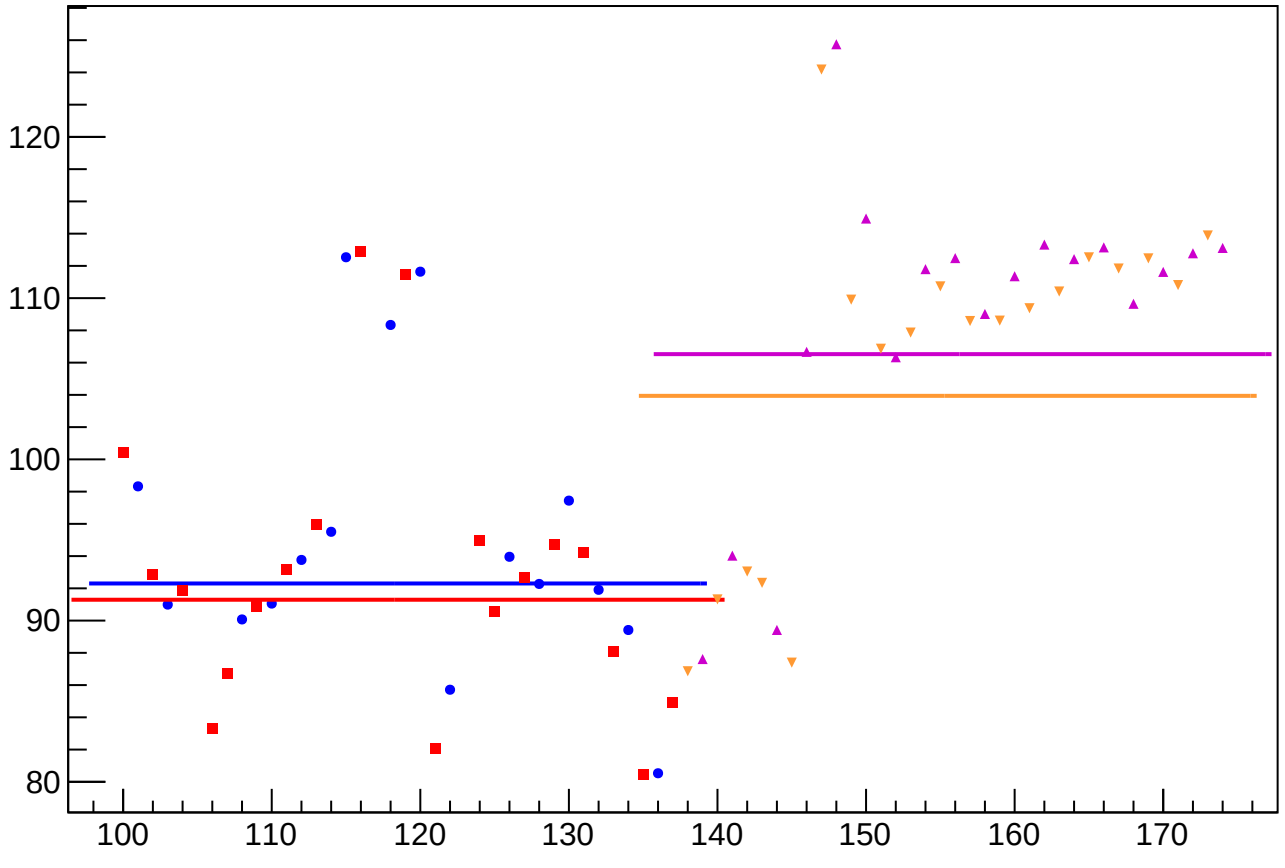
Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: 170.751+/-27.754 χ^2/NDF:17.7/17

+ sign -97.029+/-21.225 χ^2/NDF: 65.6/34

All: 2.860+/-15.053 χ^2/NDF: 159.7/71

- sign 103.942+/-21.351 χ^2/NDF: 49.6/36



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 103.940+/-0.019 χ^2/NDF:305463.8/18

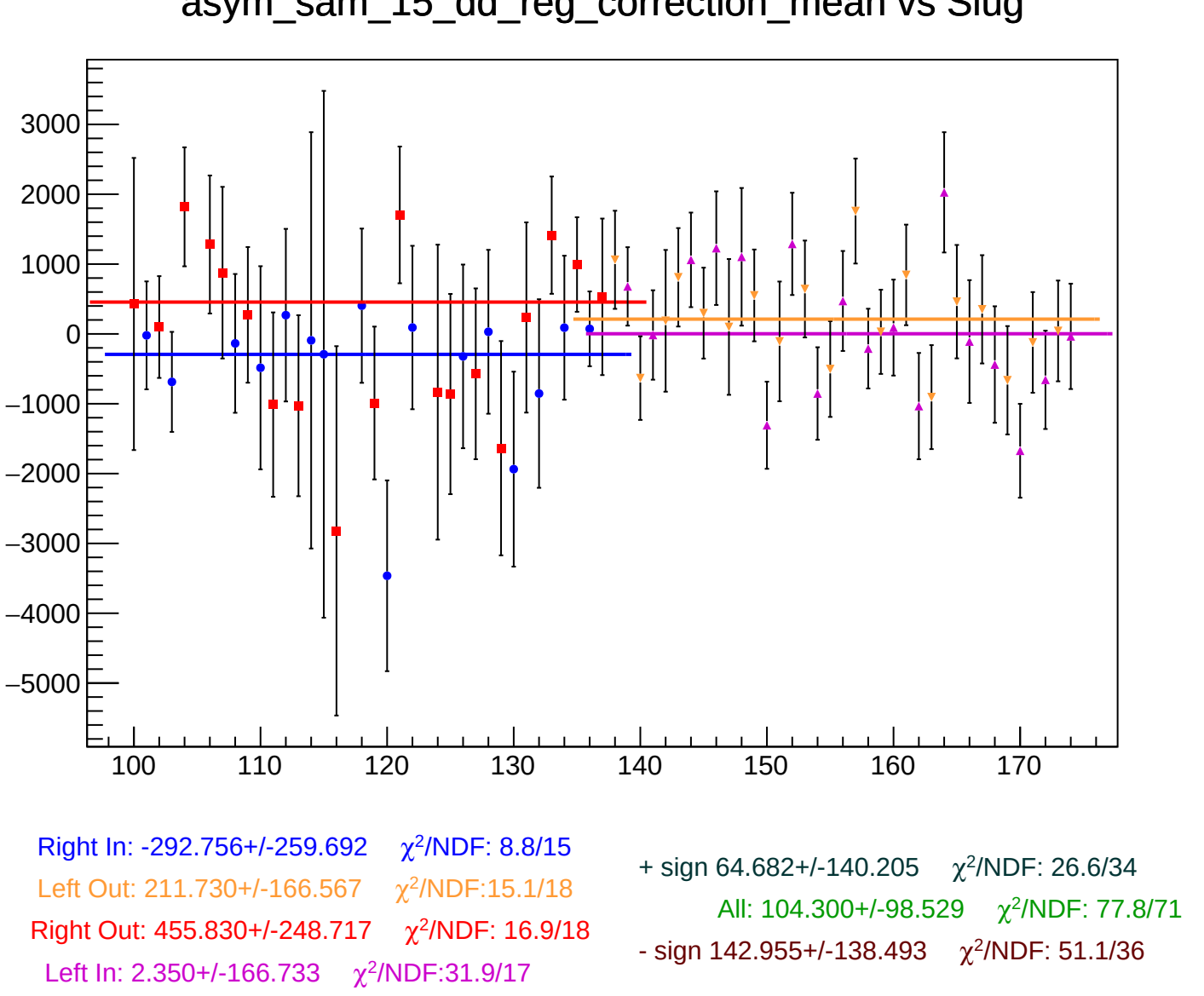
Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 106.527+/-0.020 χ^2/NDF:265825.3/17

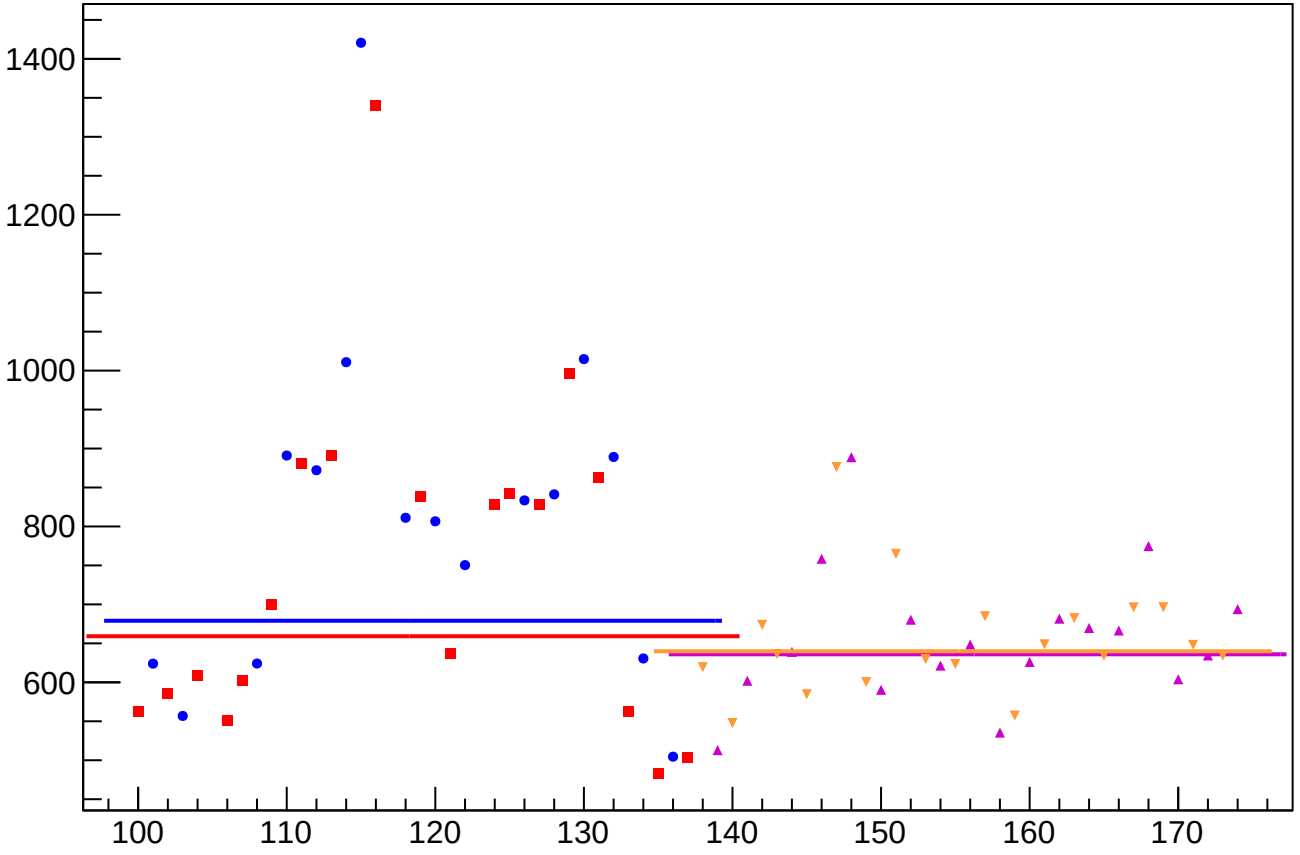
+ sign 99.517+/-0.015 χ^2/NDF: 554194.2/34

All: 99.911+/-0.011 χ^2/NDF: 1172432.1/71

- 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: 211.730+/-166.567 χ²/NDF:15.1/18
Right Out: 455.830+/-248.717 χ²/NDF: 16.9/18
Left In: 2.350+/-166.733 χ²/NDF:31.9/17
+ sign 64.682+/-140.205 χ²/NDF: 26.6/34
All: 104.300+/-98.529 χ²/NDF: 77.8/71
- 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: 639.847+/-0.118 χ^2/NDF:308231.8/18

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

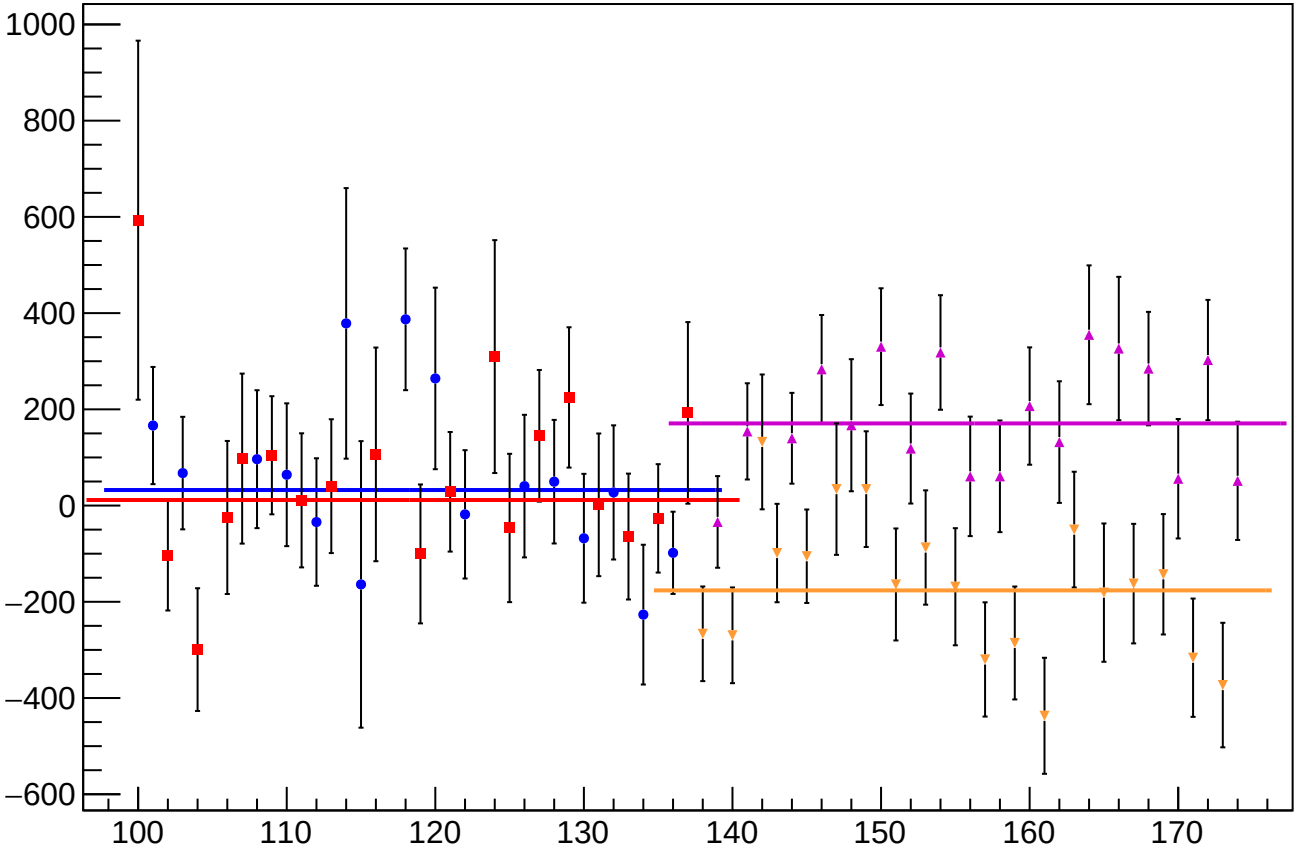
Left In: 635.957+/-0.118 χ^2/NDF:445077.5/17

+ sign 651.261+/-0.099 χ^2/NDF: 1108429.6/34

All: 647.152+/-0.070 χ^2/NDF: 2364759.9/71

- 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: -176.312+/-26.957 χ^2/NDF:25.5/18

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

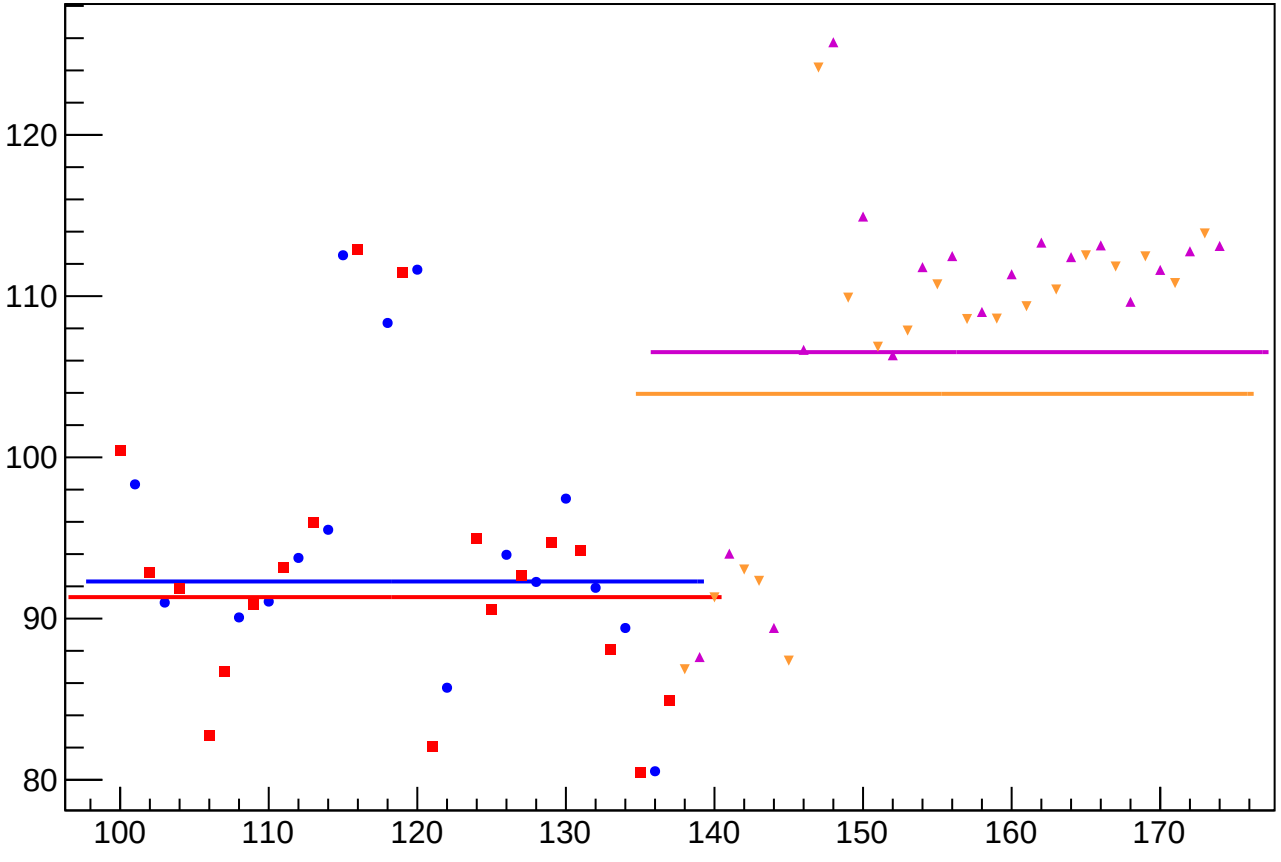
Left In: 170.753+/-27.754 χ^2/NDF:17.7/17

\+ sign -97.023+/-21.225 χ^2/NDF: 65.6/34

All: 3.766+/-15.064 χ^2/NDF: 159.2/71

\- 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: 103.940+/-0.019 χ^2/NDF:305463.8/18

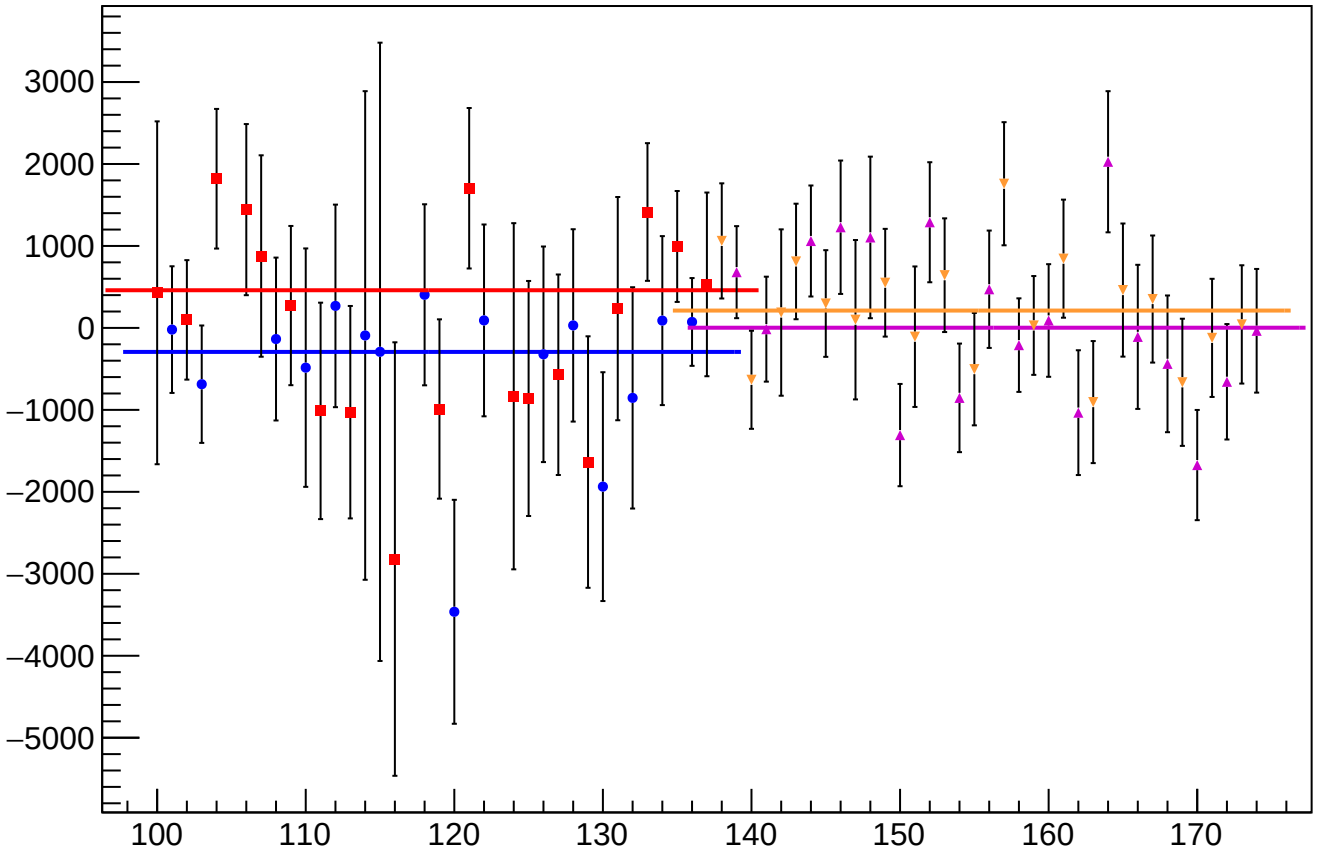
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.527+/-0.020 χ^2/NDF:265825.3/17

+ sign 99.517+/-0.015 χ^2/NDF: 554194.1/34

All: 99.932+/-0.011 χ^2/NDF: 1170060.8/71

- 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: 211.729+/-166.567 χ^2/NDF:15.1/18

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

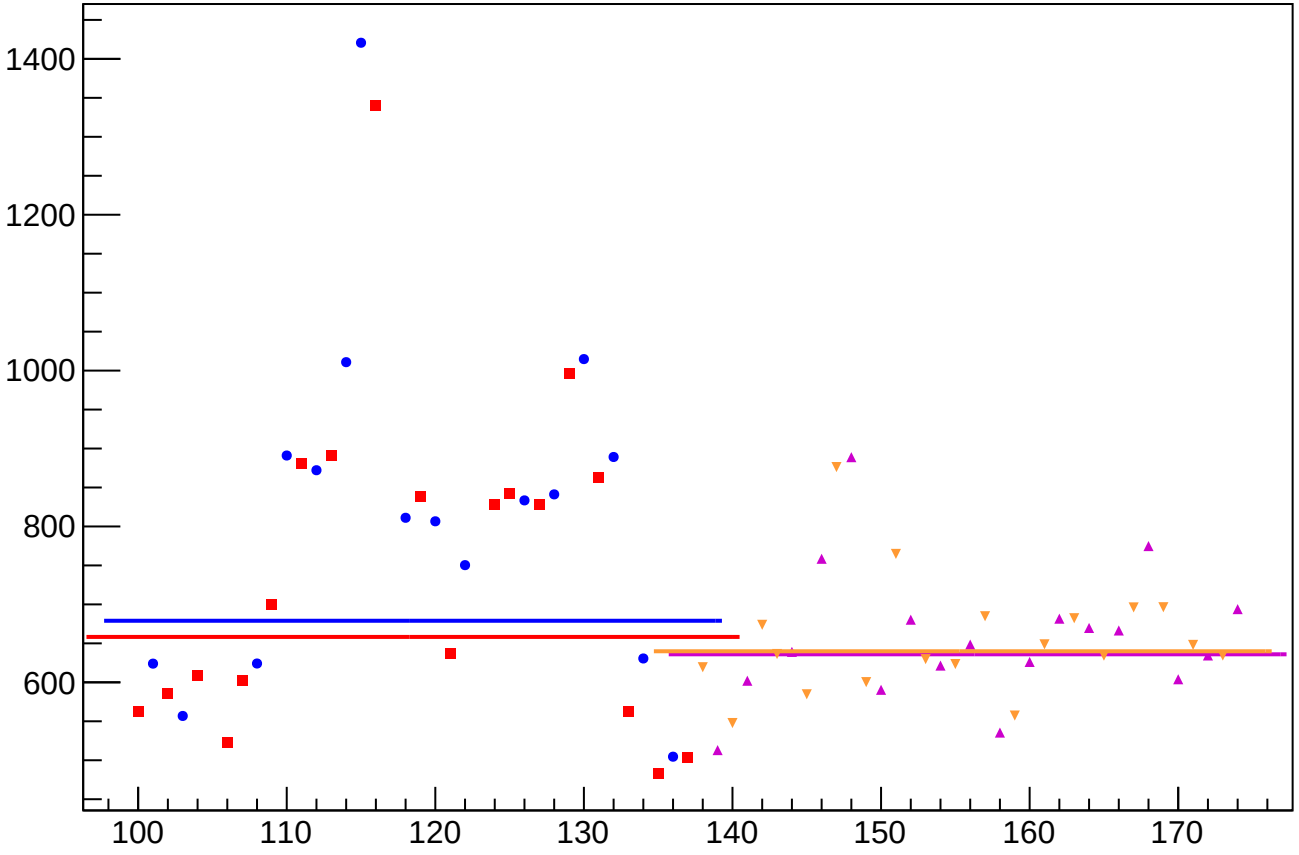
Left In: 2.352+/-166.733 χ^2/NDF:31.9/17

\+ sign 64.682+/-140.205 χ^2/NDF: 26.6/34

All: 104.523+/-98.580 χ^2/NDF: 78.1/71

\- 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: 639.848+/-0.118 χ^2/NDF:308232.9/18

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

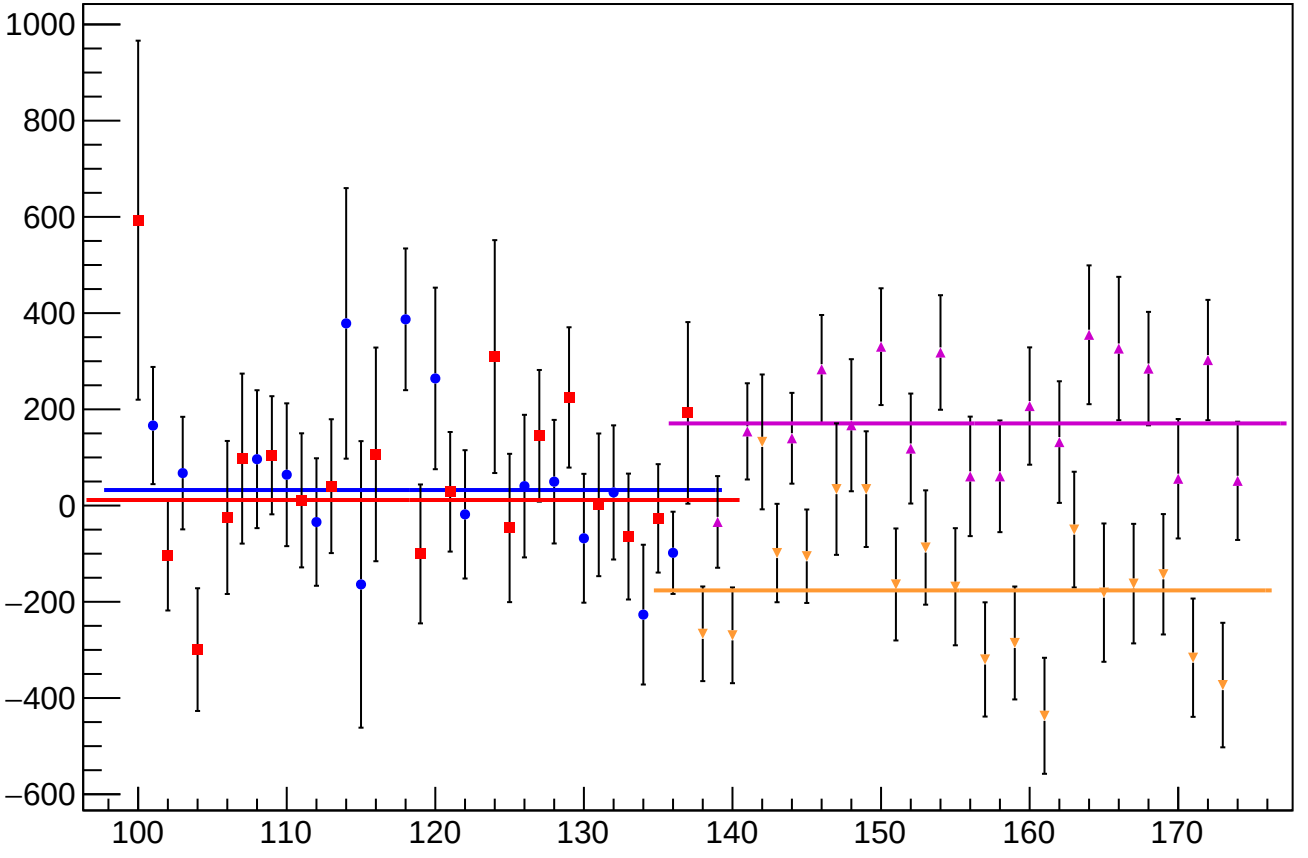
Left In: 635.957+/-0.118 χ^2/NDF:445078.4/17

+ sign 651.261+/-0.099 χ^2/NDF: 1108431.8/34

All: 647.004+/-0.070 χ^2/NDF: 2374101.7/71

- 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: -176.312+/-26.957 χ^2/NDF:25.5/18

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

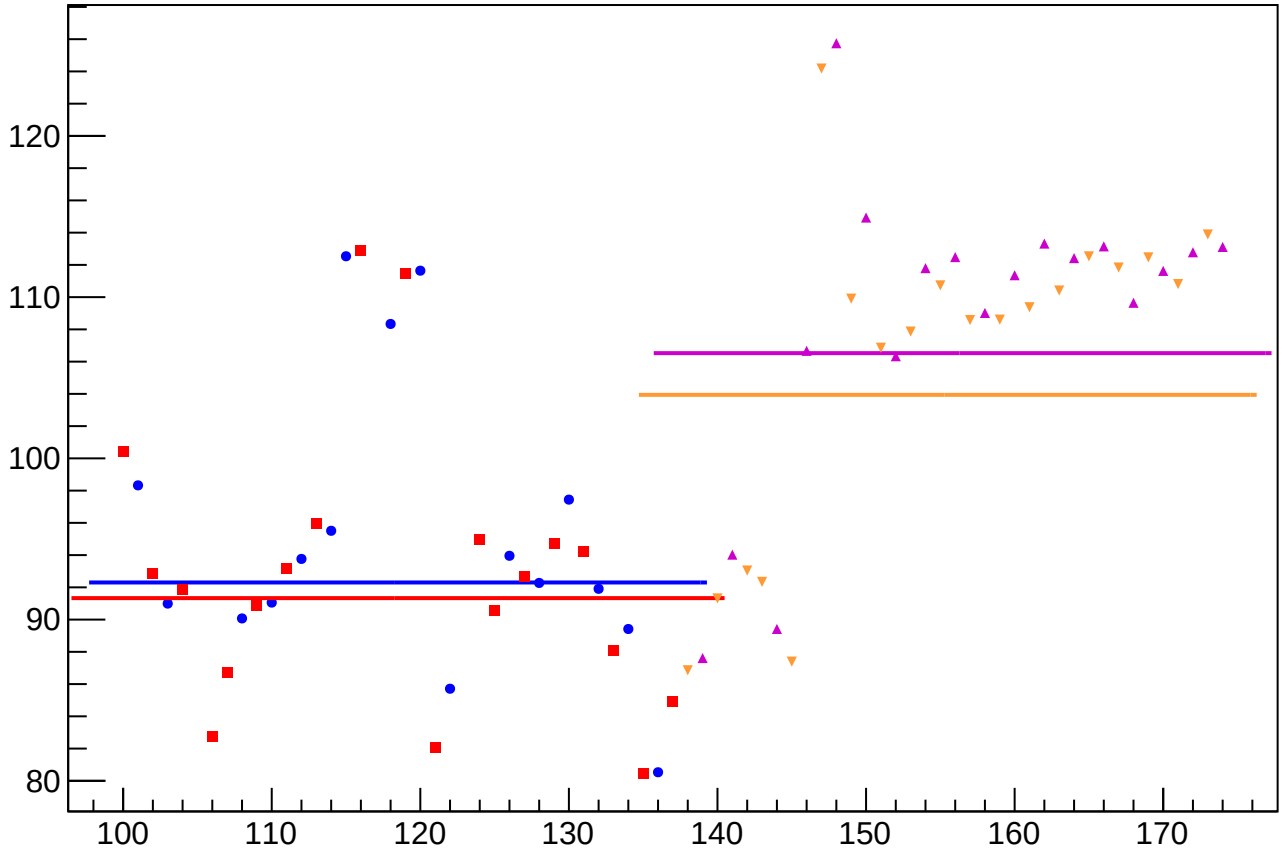
Left In: 170.753+/-27.754 χ^2/NDF:17.7/17

\+ sign -97.023+/-21.225 χ^2/NDF: 65.6/34

All: 3.766+/-15.064 χ^2/NDF: 159.2/71

\- 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: 103.940+/-0.019 χ^2/NDF:305463.8/18

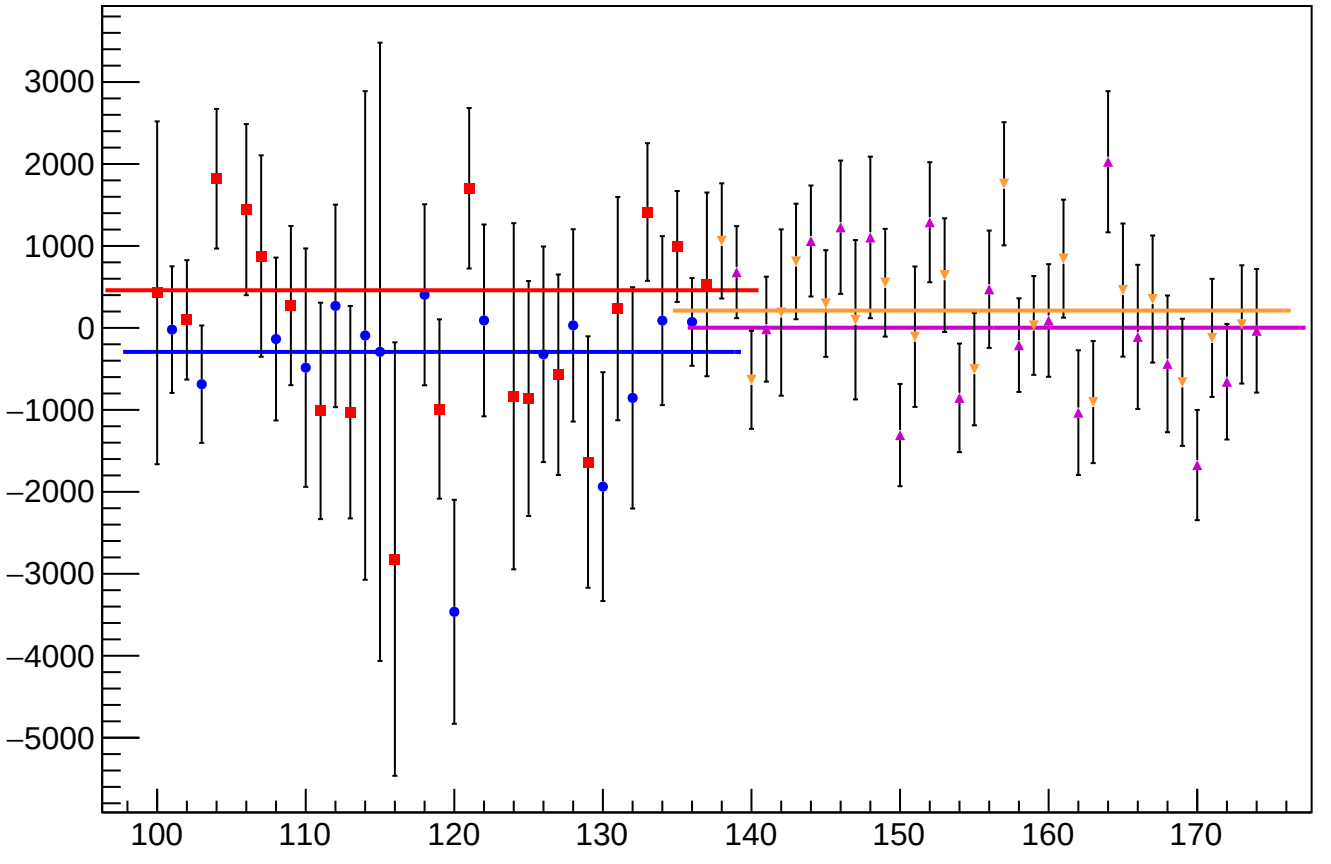
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.527+/-0.020 χ^2/NDF:265825.3/17

+ sign 99.517+/-0.015 χ^2/NDF: 554194.1/34

All: 99.932+/-0.011 χ^2/NDF: 1170060.8/71

- 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: 211.729+/-166.567 χ^2/NDF:15.1/18

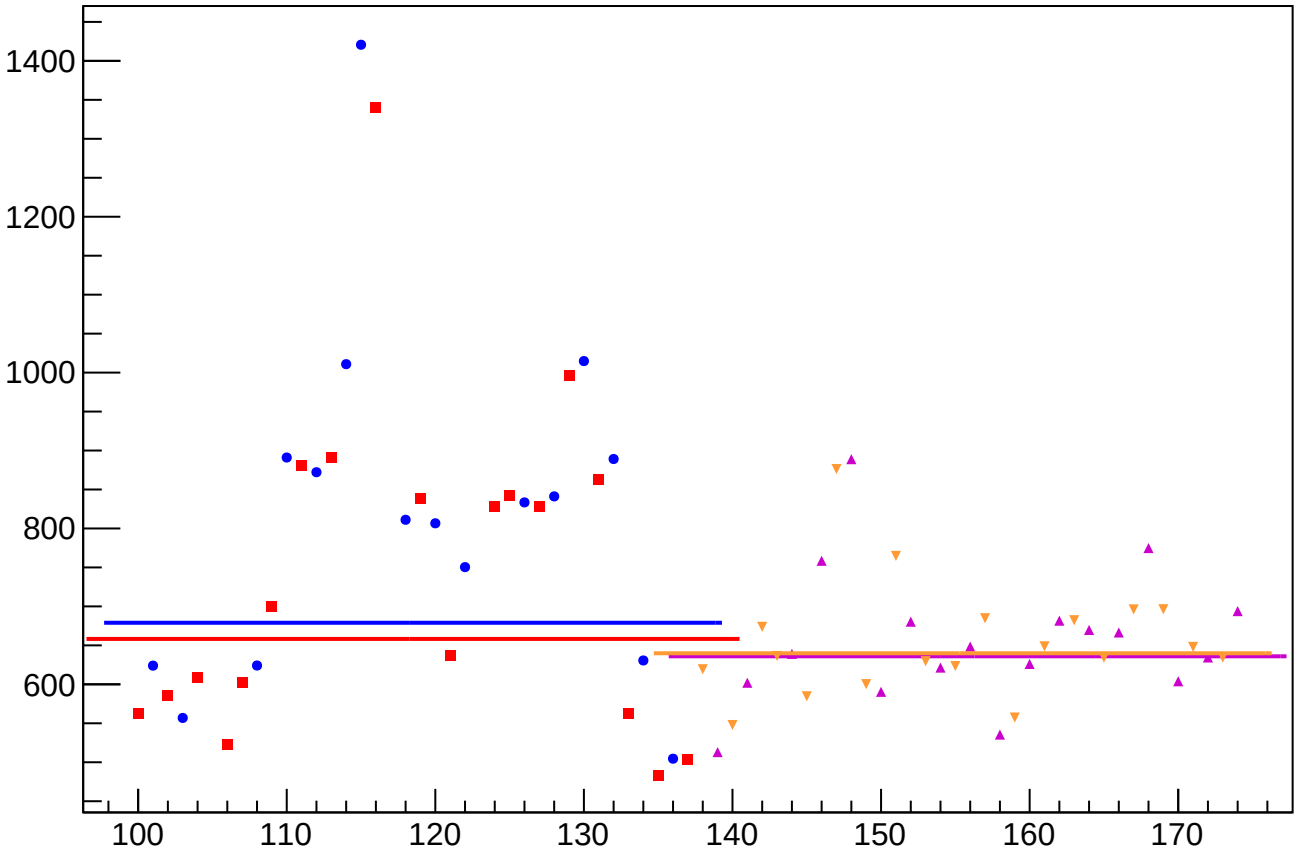
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 2.352+/-166.733 χ^2/NDF:31.9/17

\+ sign 64.682+/-140.205 χ^2/NDF: 26.6/34

All: 104.523+/-98.580 χ^2/NDF: 78.1/71

\- 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: 639.848+/-0.118 χ^2/NDF:308232.9/18

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

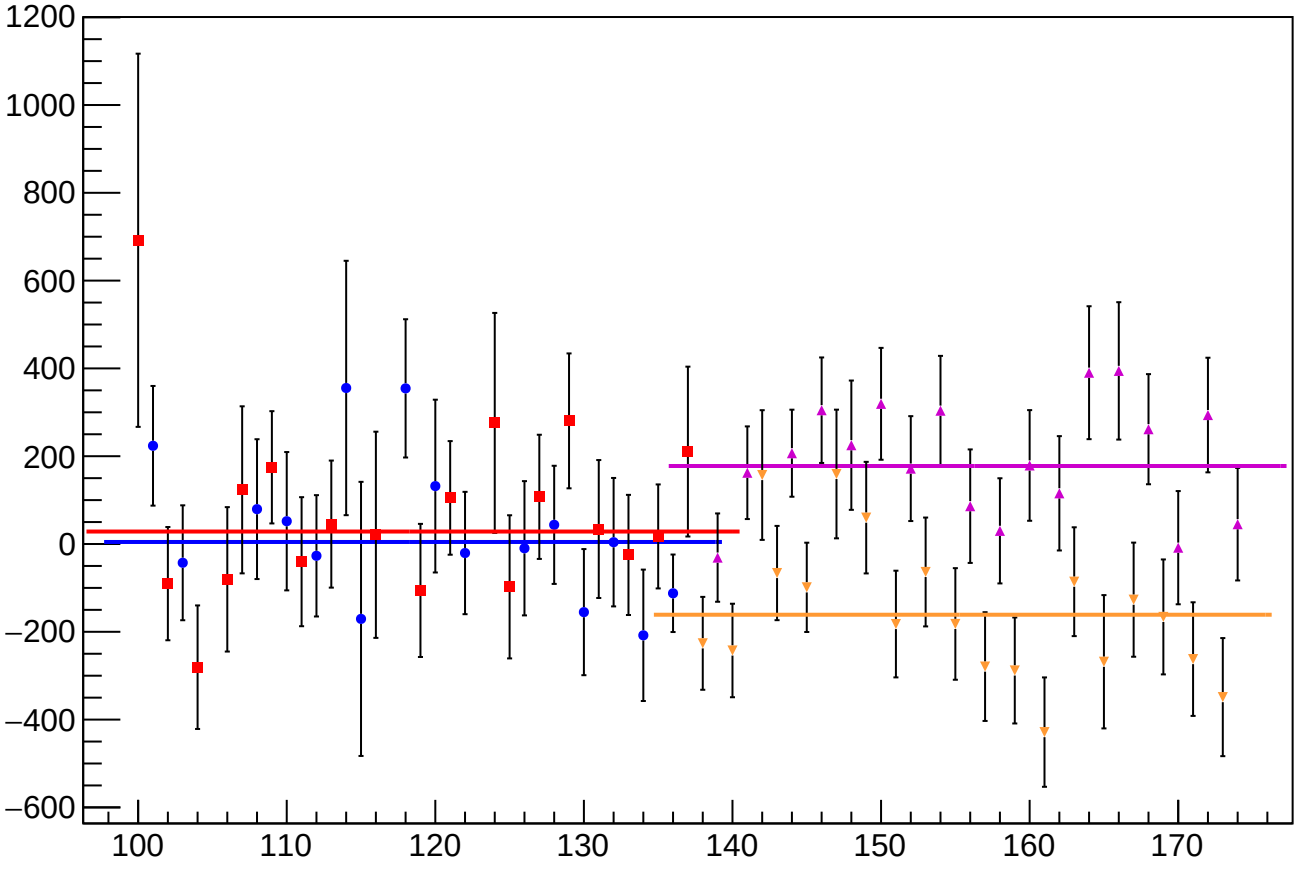
Left In: 635.957+/-0.118 χ^2/NDF:445078.4/17

+ sign 651.261+/-0.099 χ^2/NDF: 1108431.8/34

All: 647.004+/-0.070 χ^2/NDF: 2374101.7/71

- 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: -161.106+/-28.295 χ^2/NDF:25.4/18

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

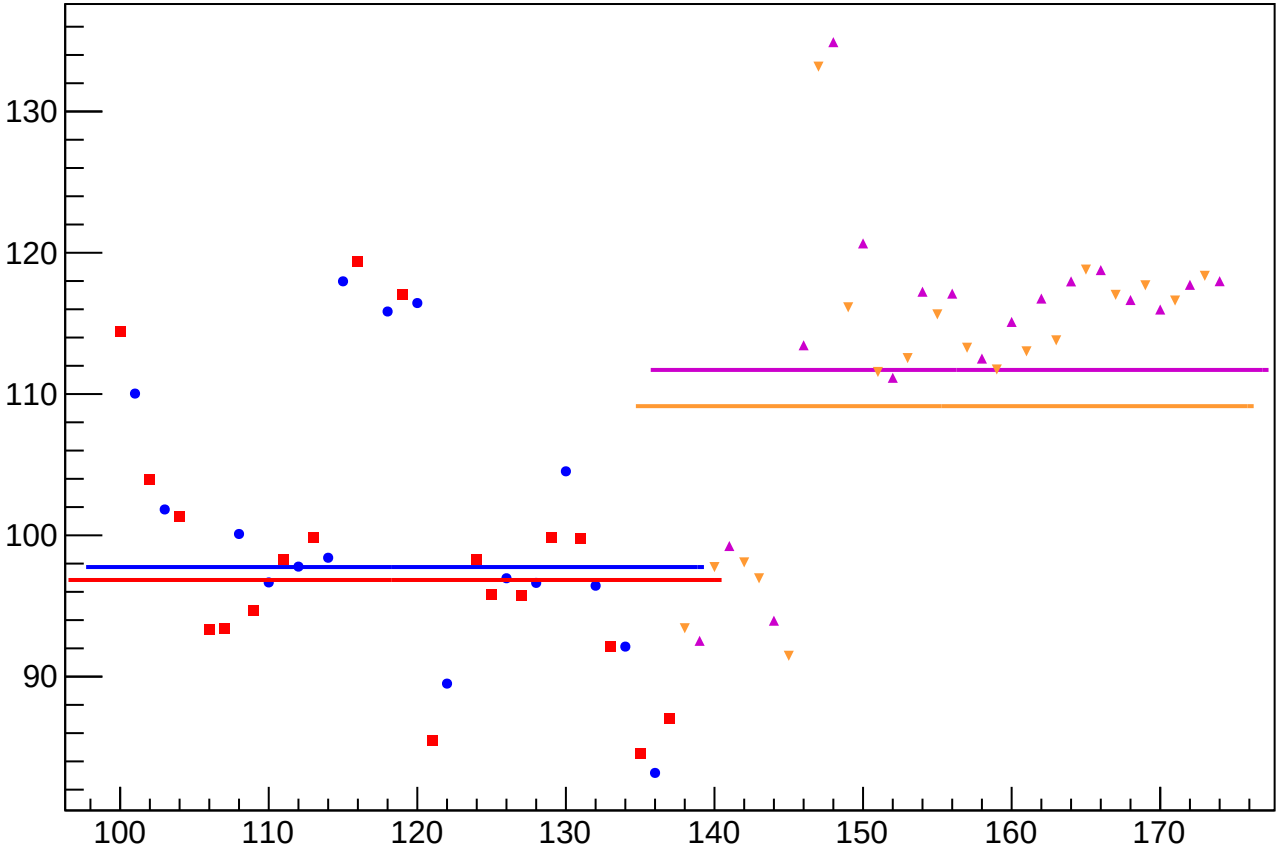
Left In: 177.686+/-29.104 χ^2/NDF:18.4/17

+ sign -98.917+/-22.365 χ^2/NDF: 53.6/34

All: 8.704+/-15.861 χ^2/NDF: 146.3/71

- 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: 109.143+/-0.020 χ^2/NDF:279664.2/18

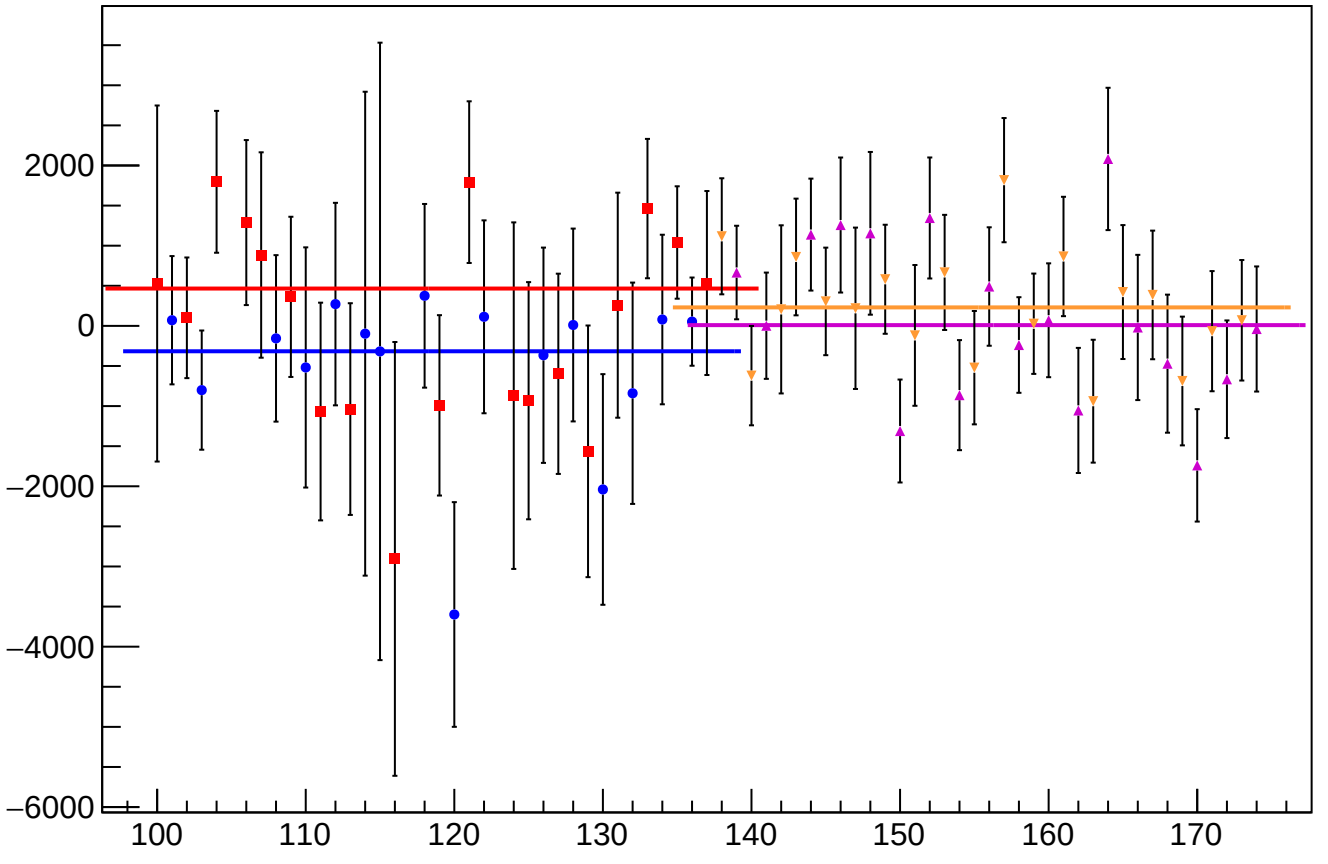
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 111.707+/-0.021 χ^2/NDF:258477.2/17

\+ sign 104.870+/-0.016 χ^2/NDF: 541877.8/34

All: 105.295+/-0.011 χ^2/NDF: 1127022.2/71

\- 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: 230.539+/-172.102 χ^2/NDF:15.0/18

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

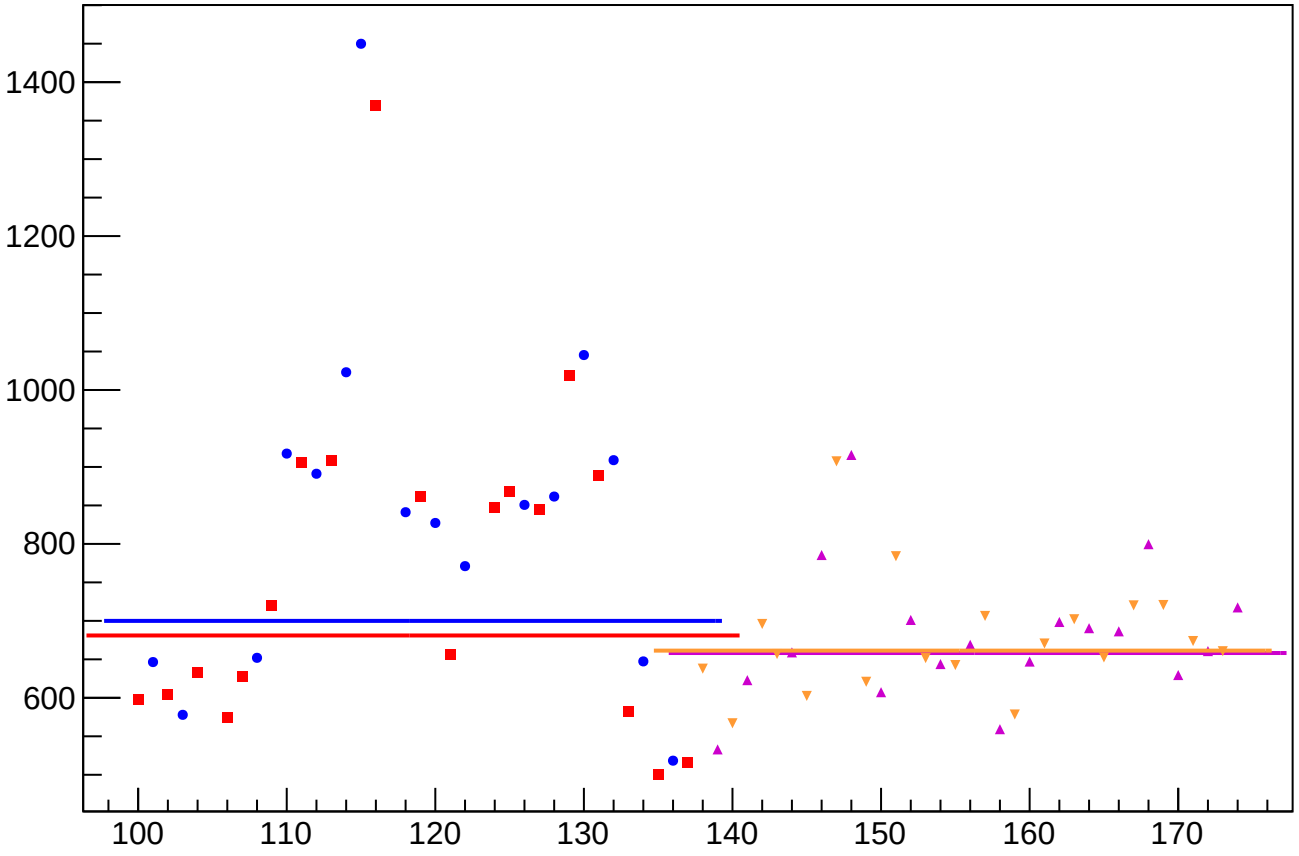
Left In: 9.478+/-172.473 χ^2/NDF:31.6/17

+ sign 70.385+/-144.737 χ^2/NDF: 27.1/34

All: 111.327+/-101.779 χ^2/NDF: 77.6/71

- 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: 661.342+/-0.122 χ^2/NDF:304094.9/18

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

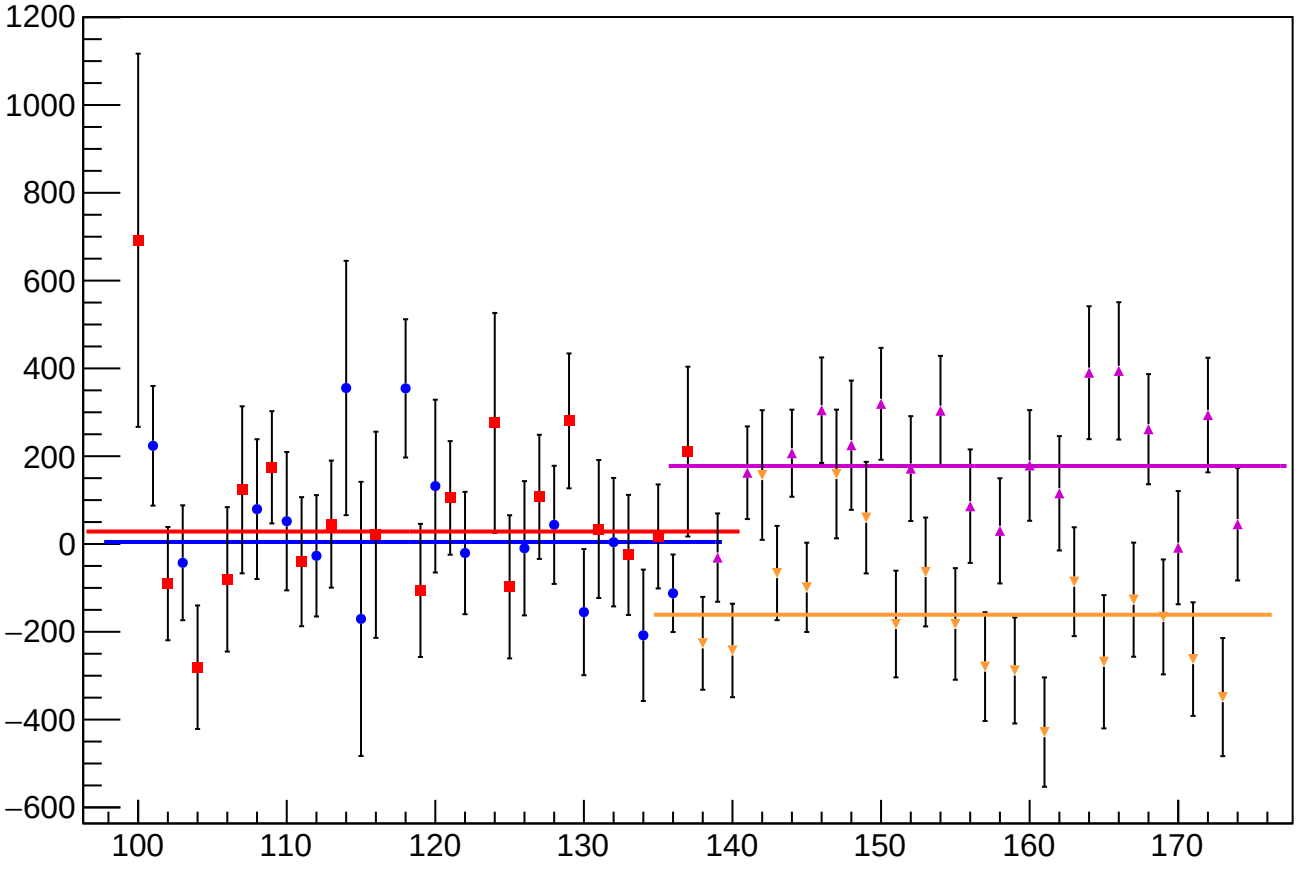
Left In: 658.229+/-0.122 χ^2/NDF:427159.2/17

+ sign 672.650+/-0.102 χ^2/NDF: 1087257.7/34

All: 668.944+/-0.072 χ^2/NDF: 2297270.9/71

- 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: -161.107+/-28.295 χ^2/NDF:25.4/18

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

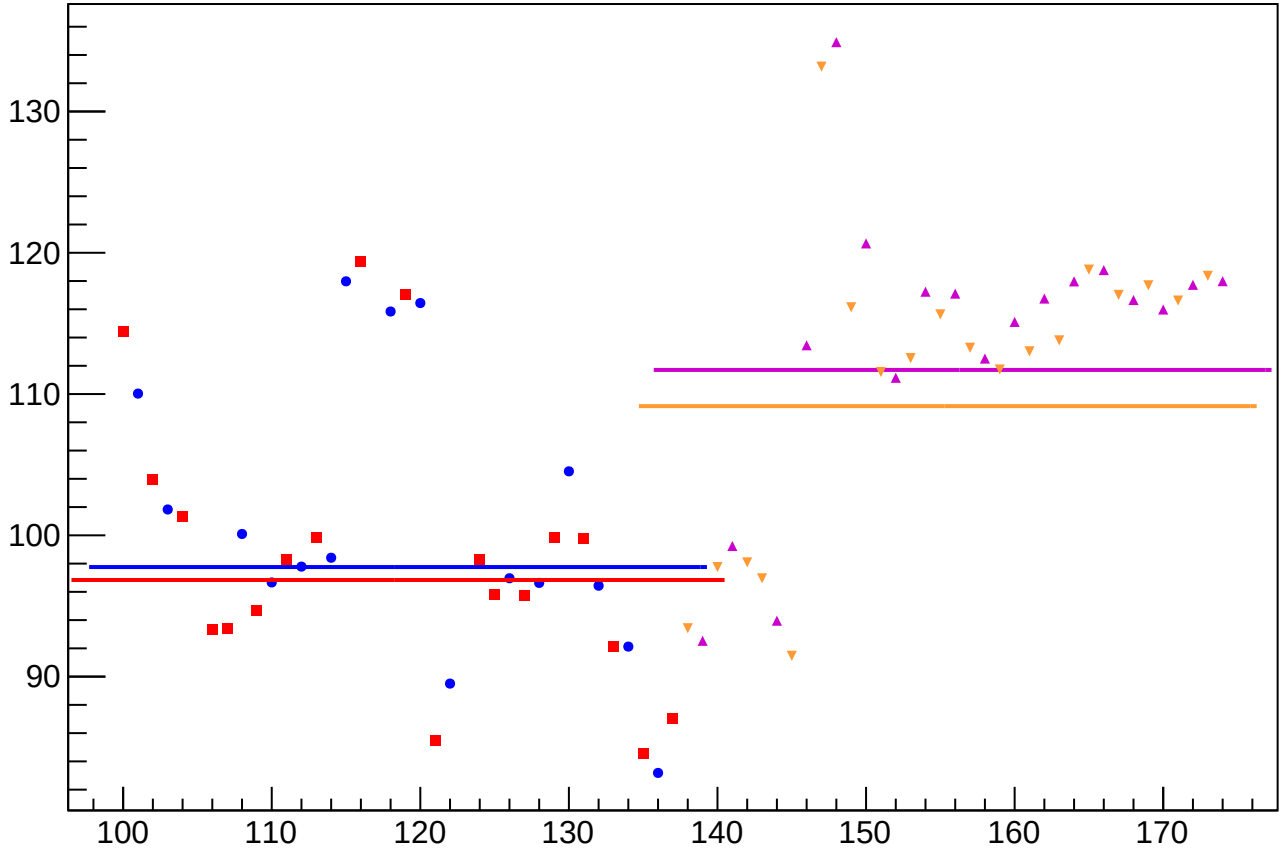
Left In: 177.687+/-29.104 χ^2/NDF:18.4/17

+ sign -98.917+/-22.365 χ^2/NDF: 53.6/34

All: 8.705+/-15.861 χ^2/NDF: 146.3/71

- 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: 109.143+/-0.020 χ^2/NDF:279663.7/18

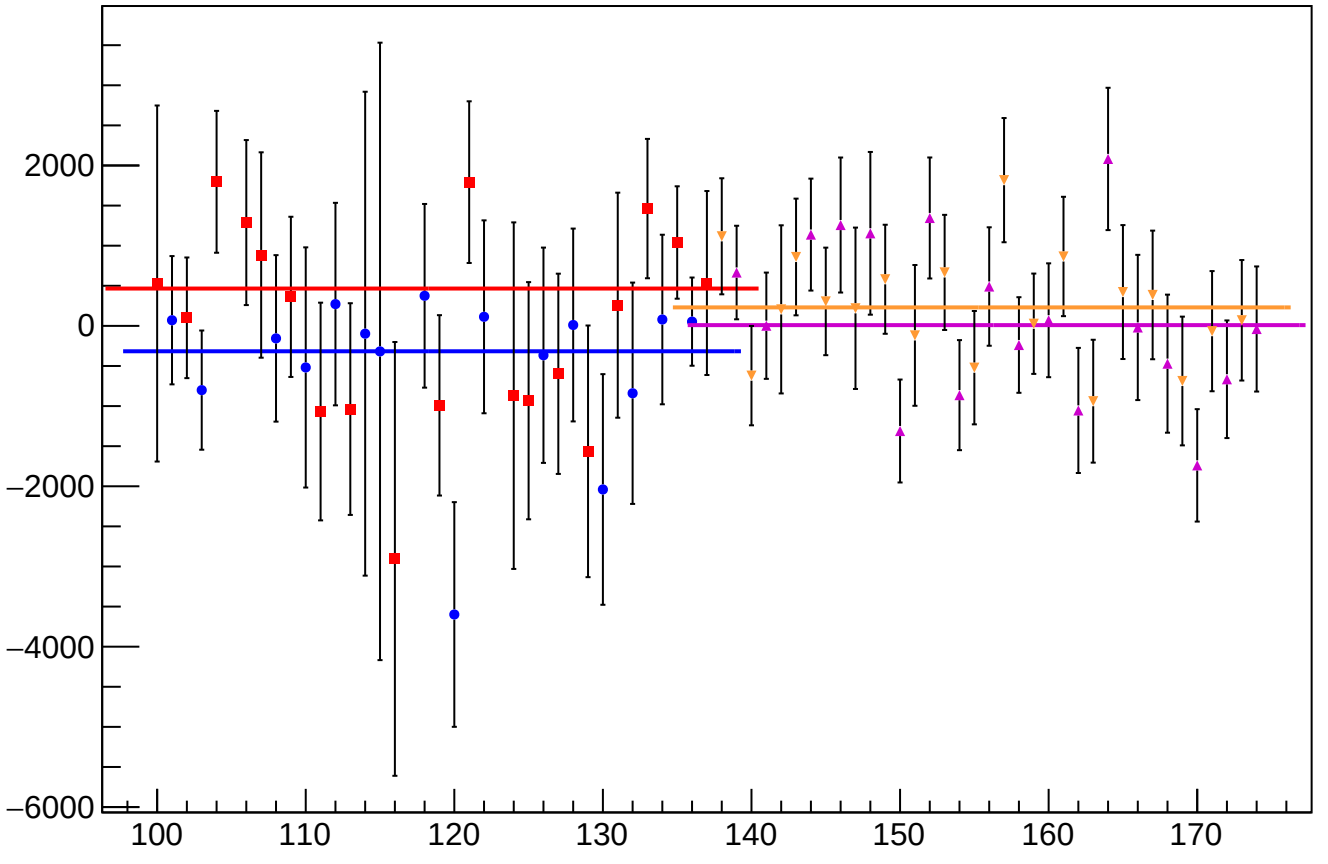
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 111.708+/-0.021 χ^2/NDF:258475.2/17

+ sign 104.870+/-0.016 χ^2/NDF: 541885.6/34

All: 105.295+/-0.011 χ^2/NDF: 1127042.9/71

- 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: 230.539+/-172.102 χ^2/NDF:15.0/18

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

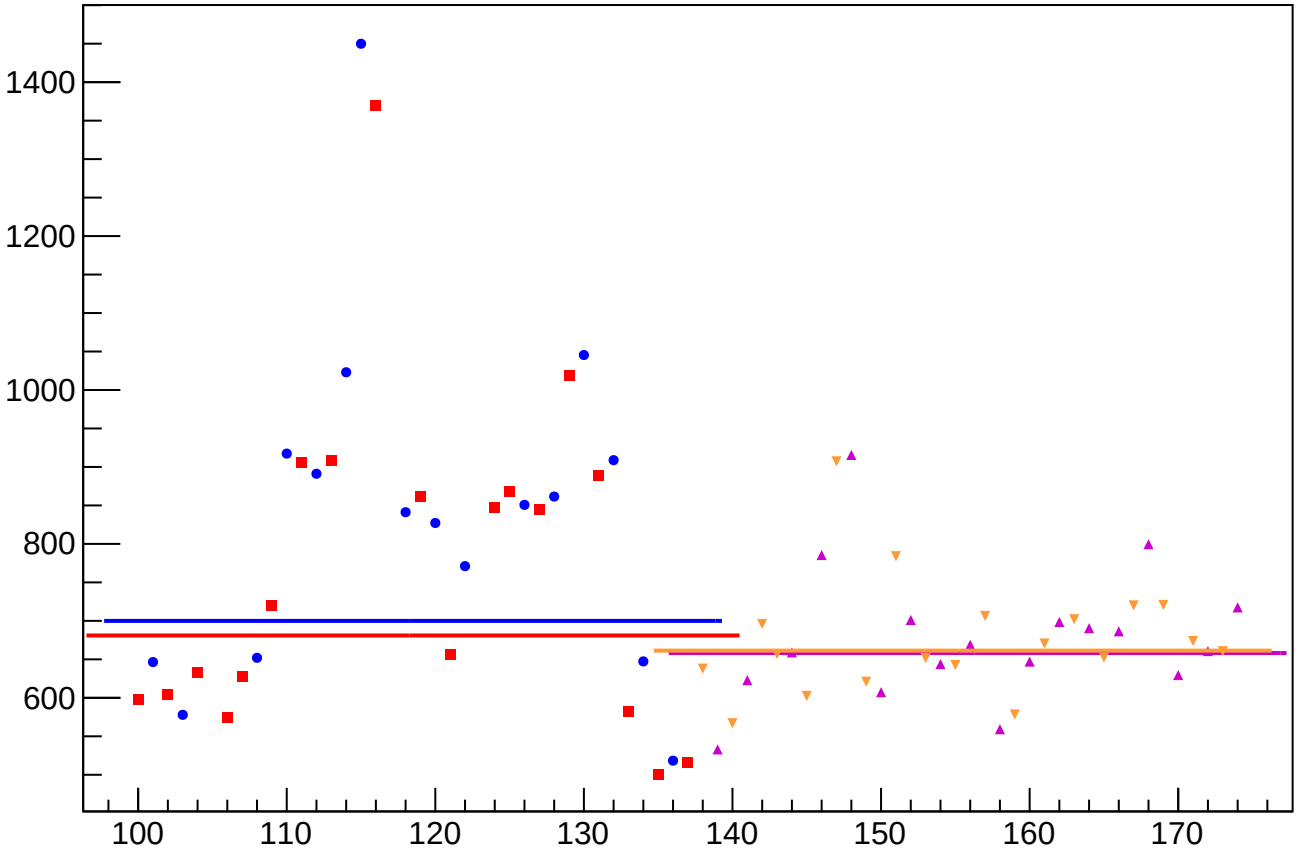
Left In: 9.478+/-172.473 χ^2/NDF:31.6/17

\+ sign 70.385+/-144.737 χ^2/NDF: 27.1/34

All: 111.327+/-101.779 χ^2/NDF: 77.6/71

\- 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: 661.343+/-0.122 χ^2/NDF:304095.1/18

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

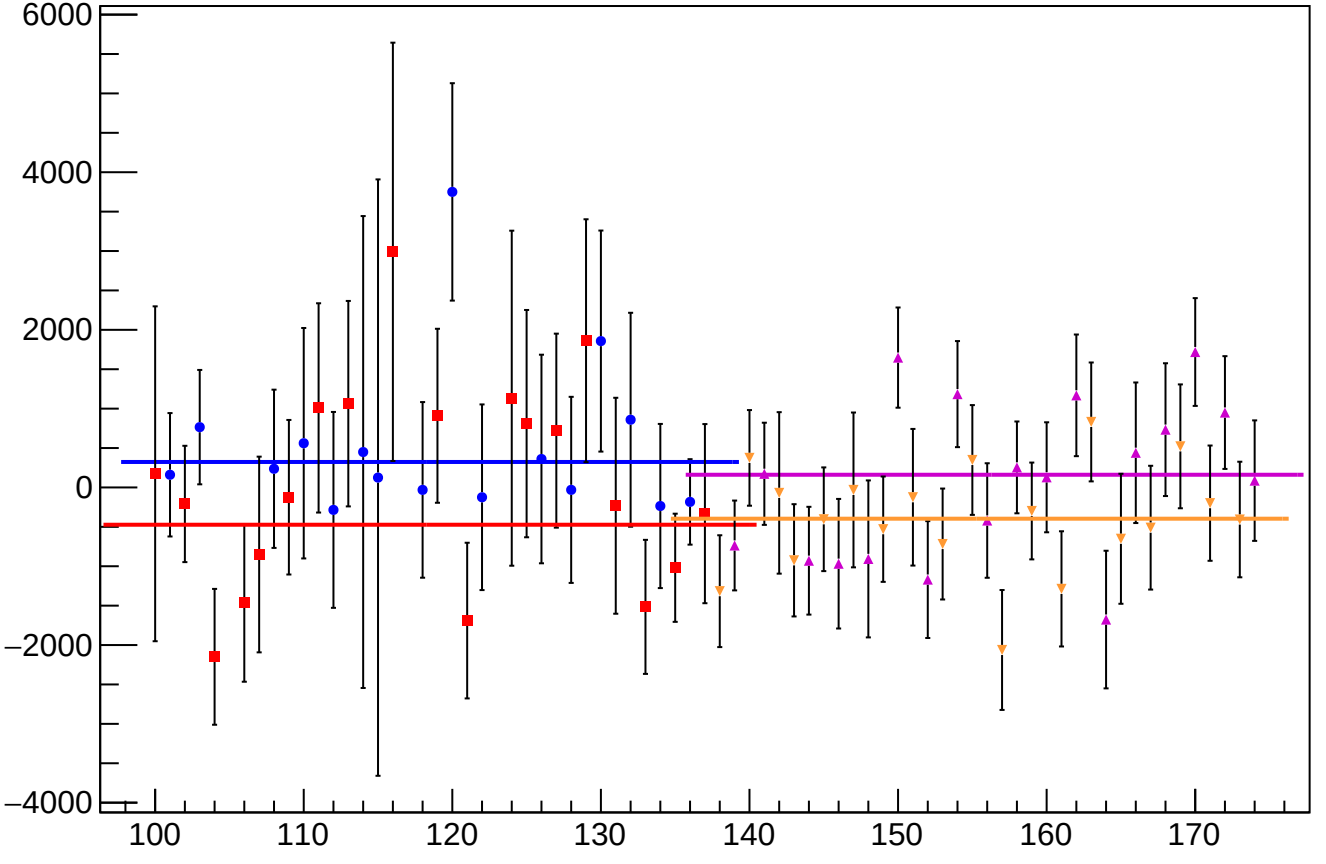
Left In: 658.229+/-0.122 χ^2/NDF:427160.2/17

+ sign 672.651+/-0.102 χ^2/NDF: 1087257.2/34

All: 668.944+/-0.072 χ^2/NDF: 2297272.5/71

- 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: -396.636+/-168.871 χ^2/NDF:16.1/18

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

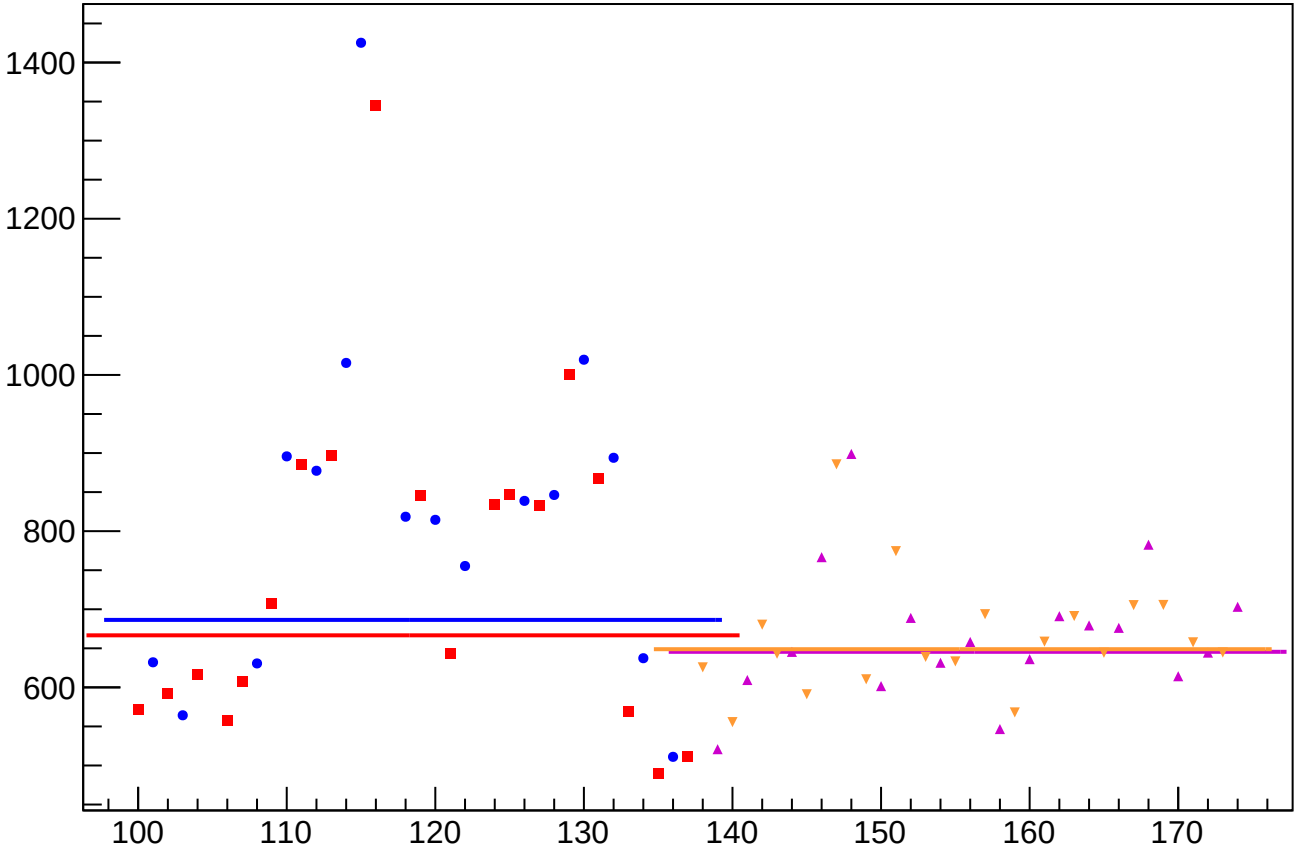
Left In: 160.950+/-169.182 χ^2/NDF:32.8/17

+ sign -185.740+/-141.994 χ^2/NDF: 31.1/34

All: -110.404+/-99.817 χ^2/NDF: 88.3/71

- 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: 648.875+/-0.119 χ^2/NDF:302376.7/18

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

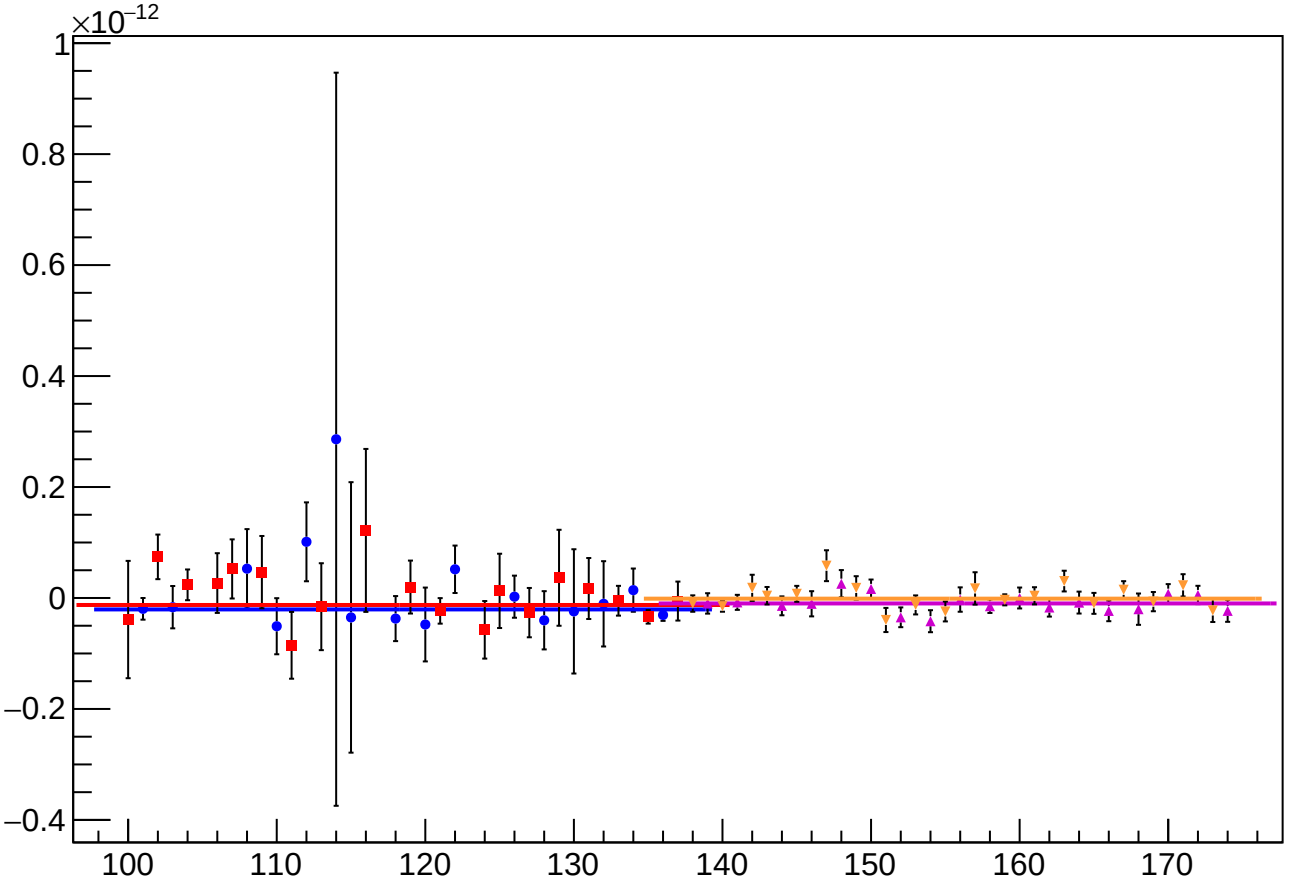
Left In: 645.539+/-0.120 χ^2/NDF:431482.1/17

+ sign 659.868+/-0.100 χ^2/NDF: 1080755.2/34

All: 655.947+/-0.071 χ^2/NDF: 2301981.3/71

- sign 652.117+/-0.099 χ^2/NDF: 1218212.1/36

asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/18

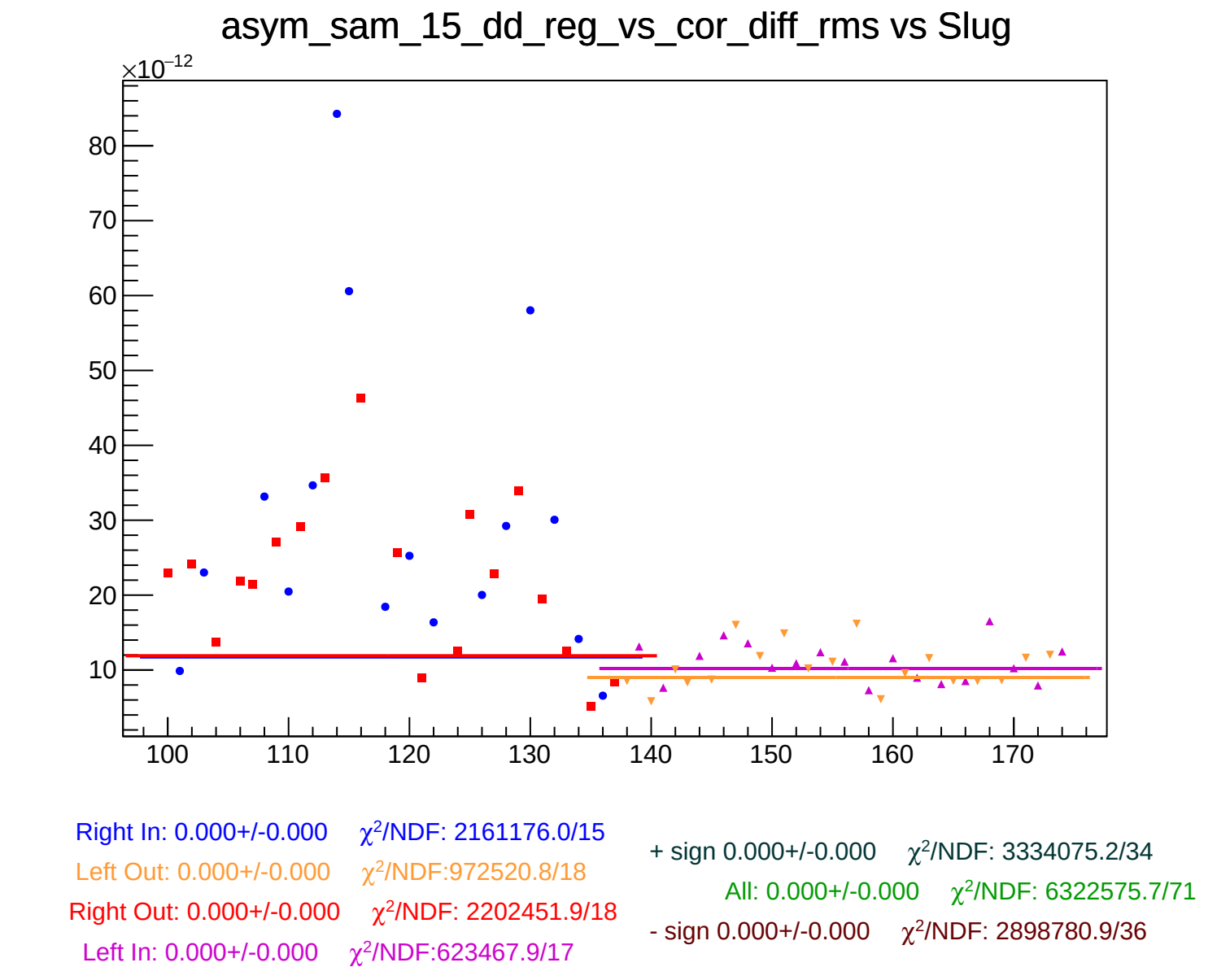
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/17

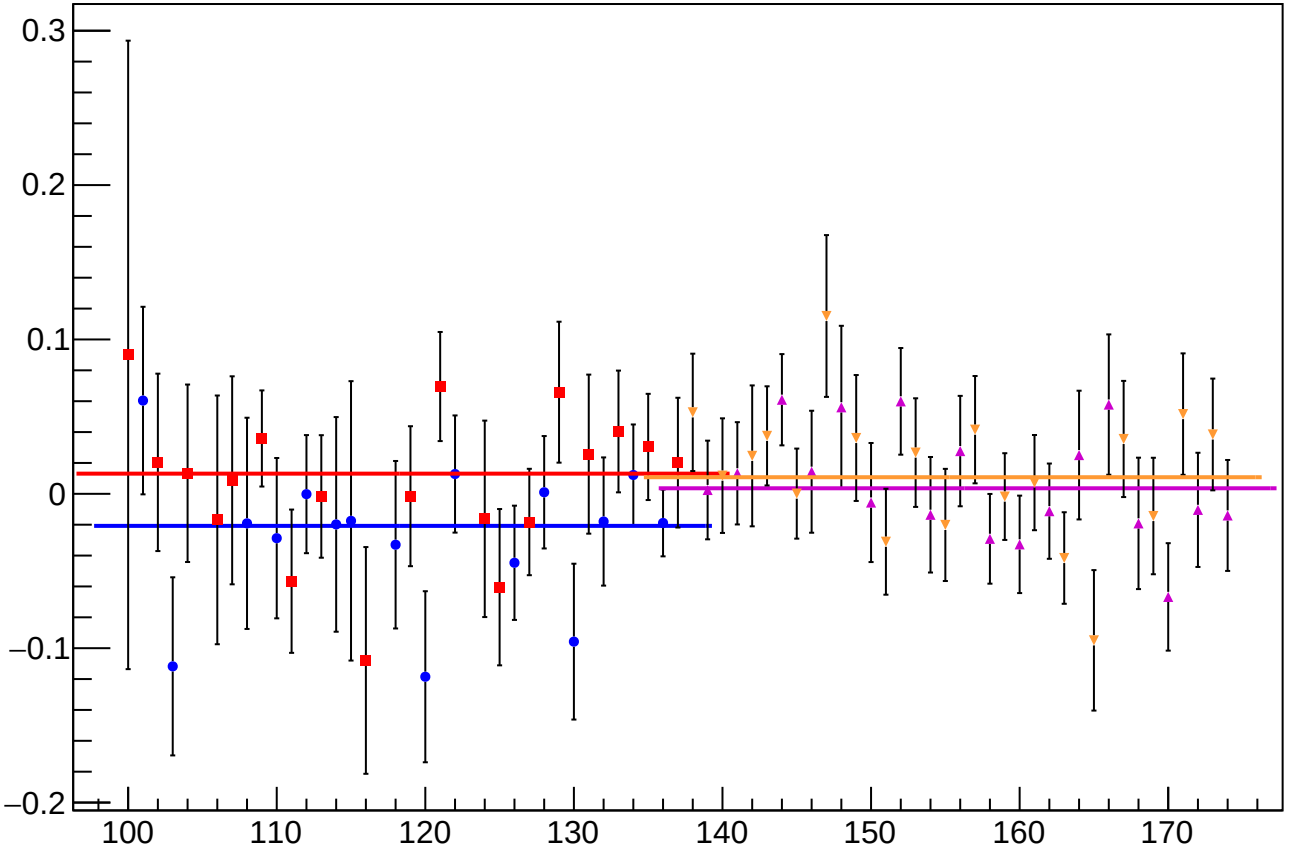
+ sign -0.000+/-0.000 χ^2/NDF: 36.3/34

All: -0.000+/-0.000 χ^2/NDF: 67.5/71

- sign -0.000+/-0.000 χ^2/NDF: 30.0/36


asym_sam_15_dd_reg_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: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:972520.8/18
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:623467.9/17
+ sign 0.000+/-0.000 χ²/NDF: 3334075.2/34
All: 0.000+/-0.000 χ²/NDF: 6322575.7/71
- sign 0.000+/-0.000 χ²/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:21.0/18

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

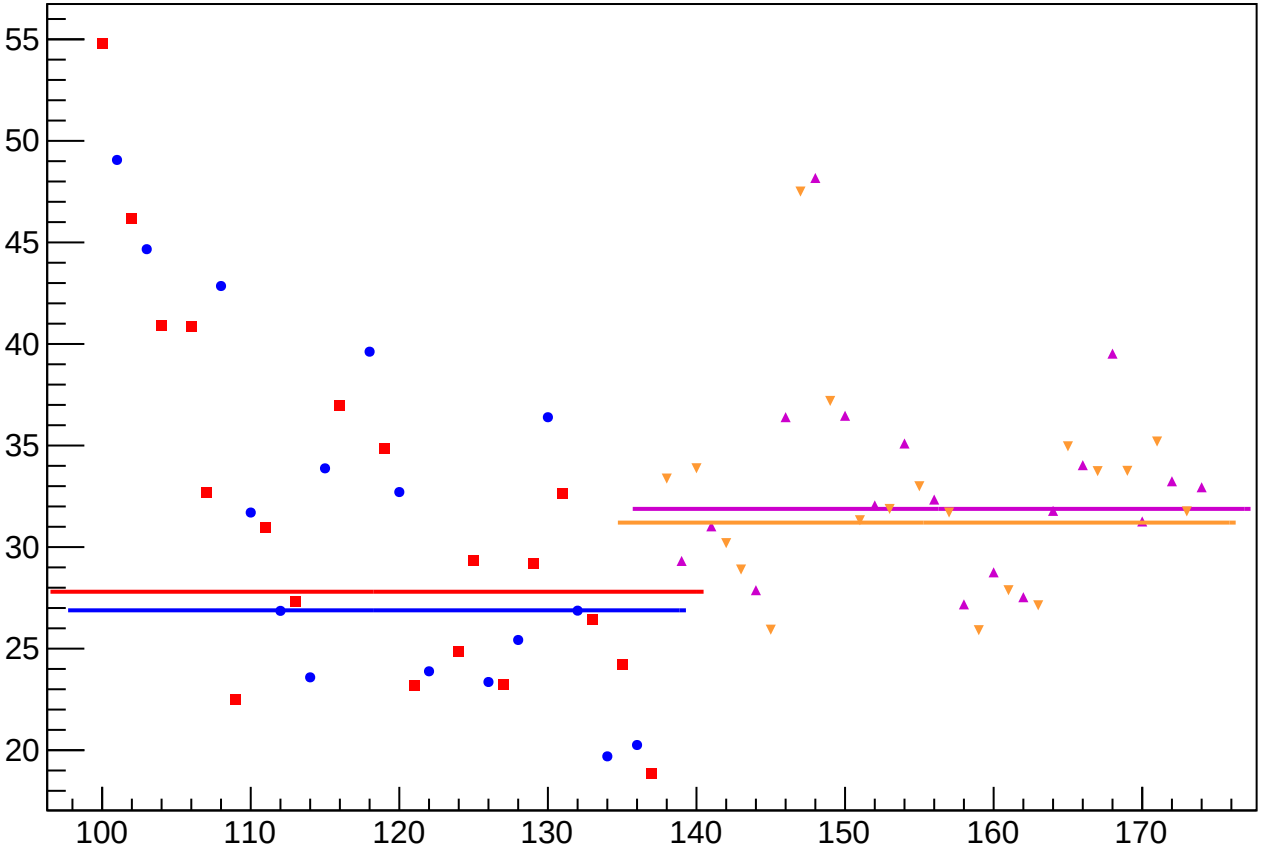
Left In: 0.004+/-0.008 χ^2/NDF:17.6/17

+ sign -0.001+/-0.006 χ^2/NDF: 39.1/34

All: 0.003+/-0.005 χ^2/NDF: 71.9/71

- 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: 31.206+/-0.006 χ^2/NDF:521177.4/18

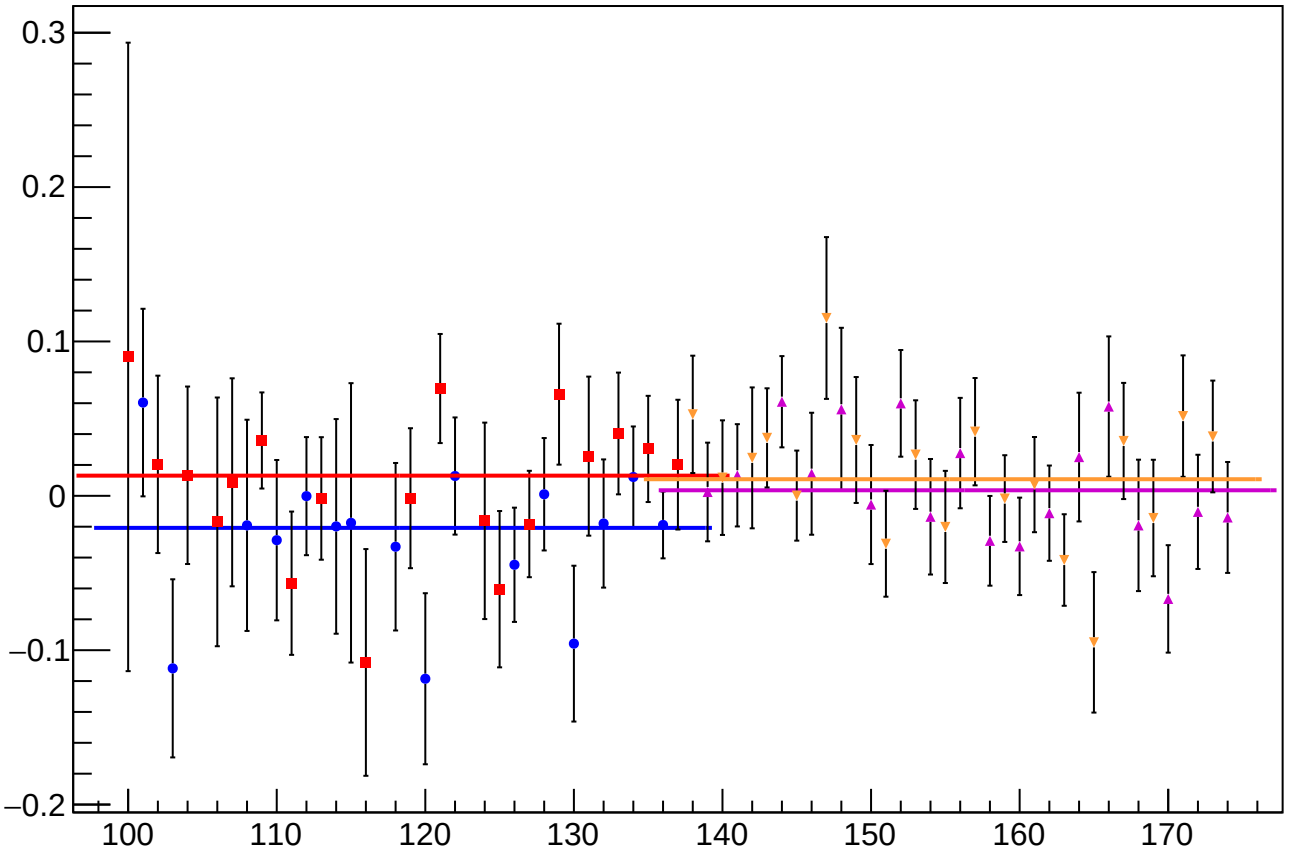
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.881+/-0.006 χ^2/NDF:496630.1/17

+ sign 29.580+/-0.005 χ^2/NDF: 1852474.8/34

All: 29.934+/-0.003 χ^2/NDF: 3307850.6/71

- 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:21.0/18

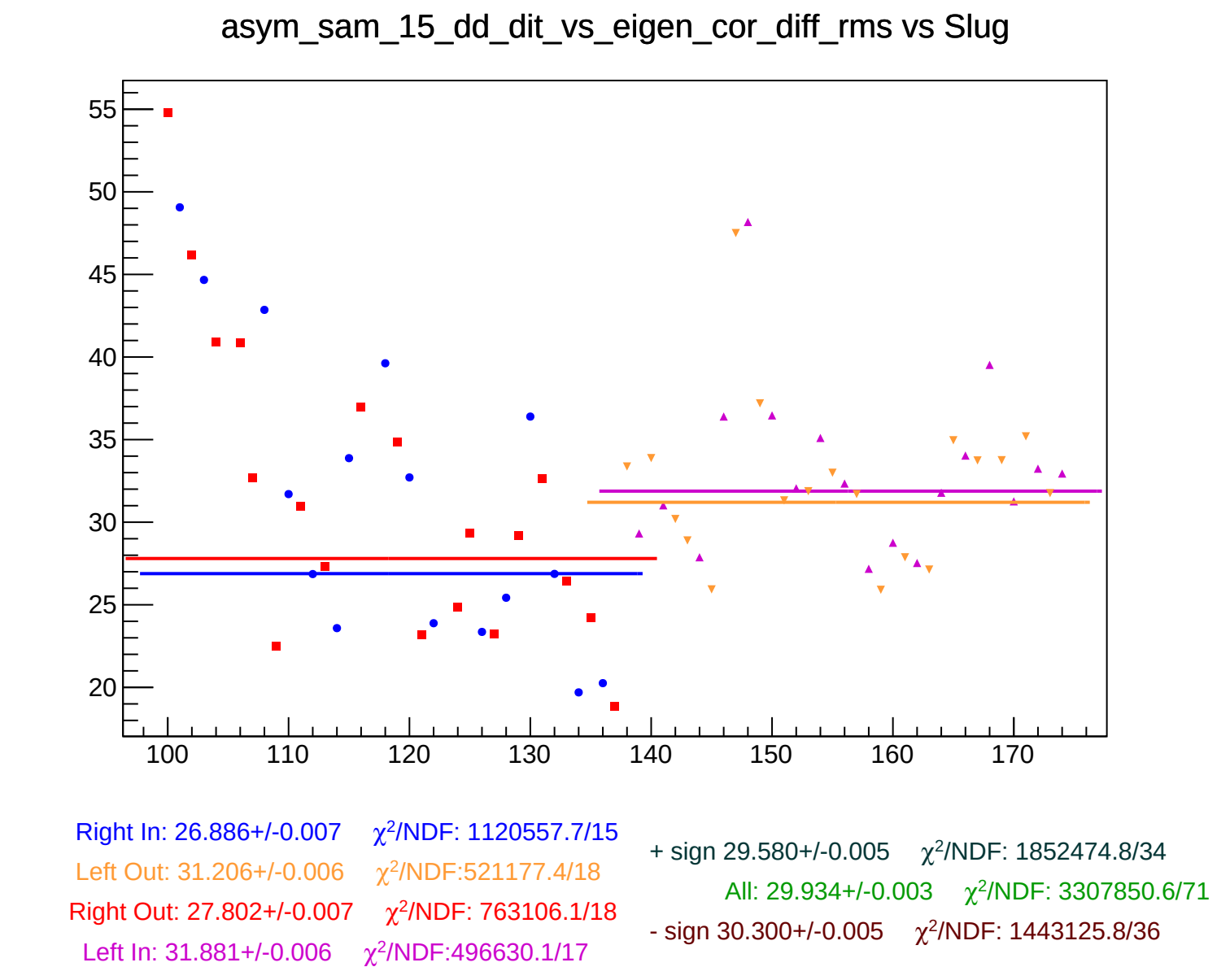
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

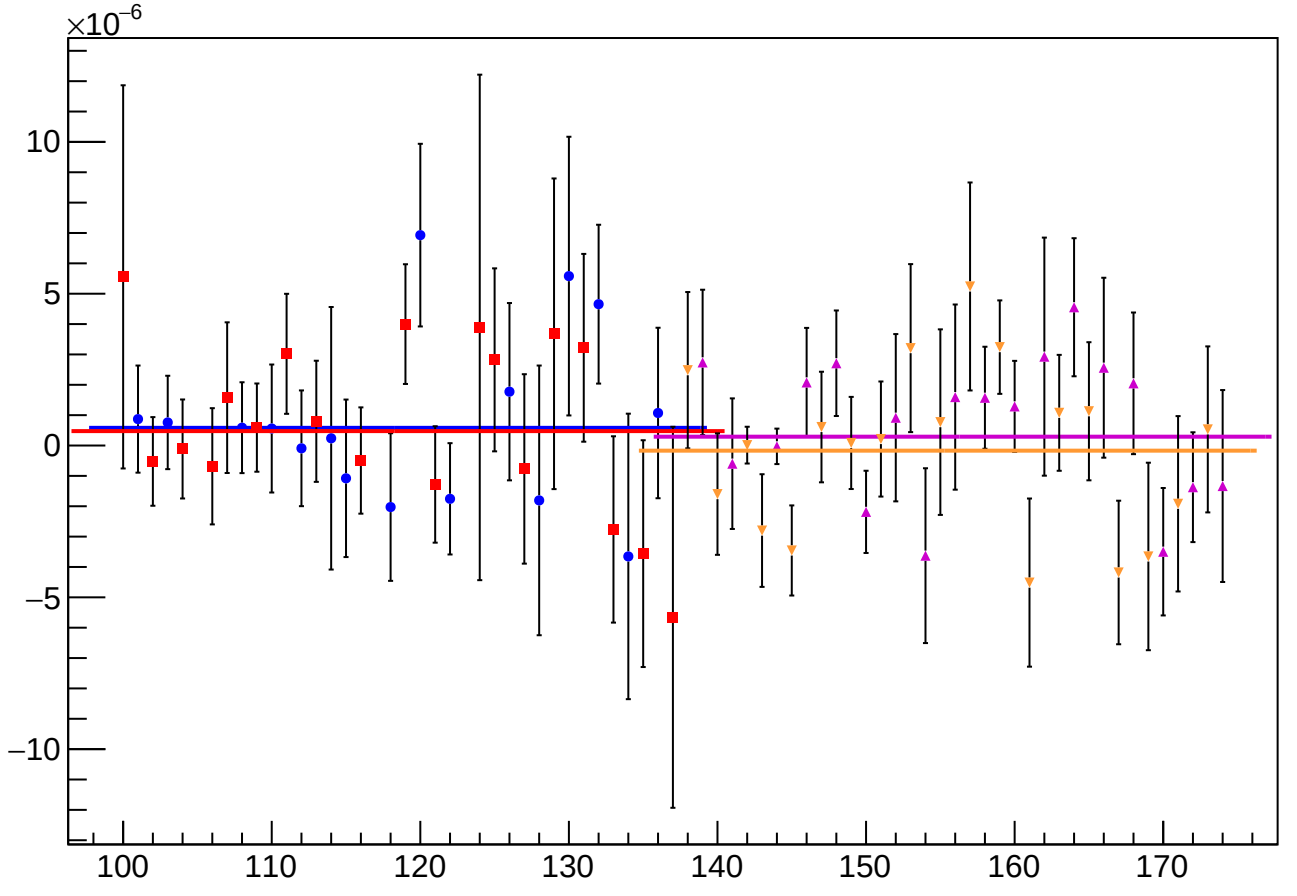
Left In: 0.004+/-0.008 χ^2/NDF:17.6/17

\+ sign -0.001+/-0.006 χ^2/NDF: 39.1/34

All: 0.003+/-0.005 χ^2/NDF: 71.9/71

\- sign 0.007+/-0.007 χ^2/NDF: 32.0/36


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug
55
50
45
40
35
30
25
20
100
110
120
130
140
150
160
170
Right In: 26.886+/-0.007 χ²/NDF: 1120557.7/15
Left Out: 31.206+/-0.006 χ²/NDF:521177.4/18
Right Out: 27.802+/-0.007 χ²/NDF: 763106.1/18
Left In: 31.881+/-0.006 χ²/NDF:496630.1/17
+ sign 29.580+/-0.005 χ²/NDF: 1852474.8/34
All: 29.934+/-0.003 χ²/NDF: 3307850.6/71
- sign 30.300+/-0.005 χ²/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:25.6/18

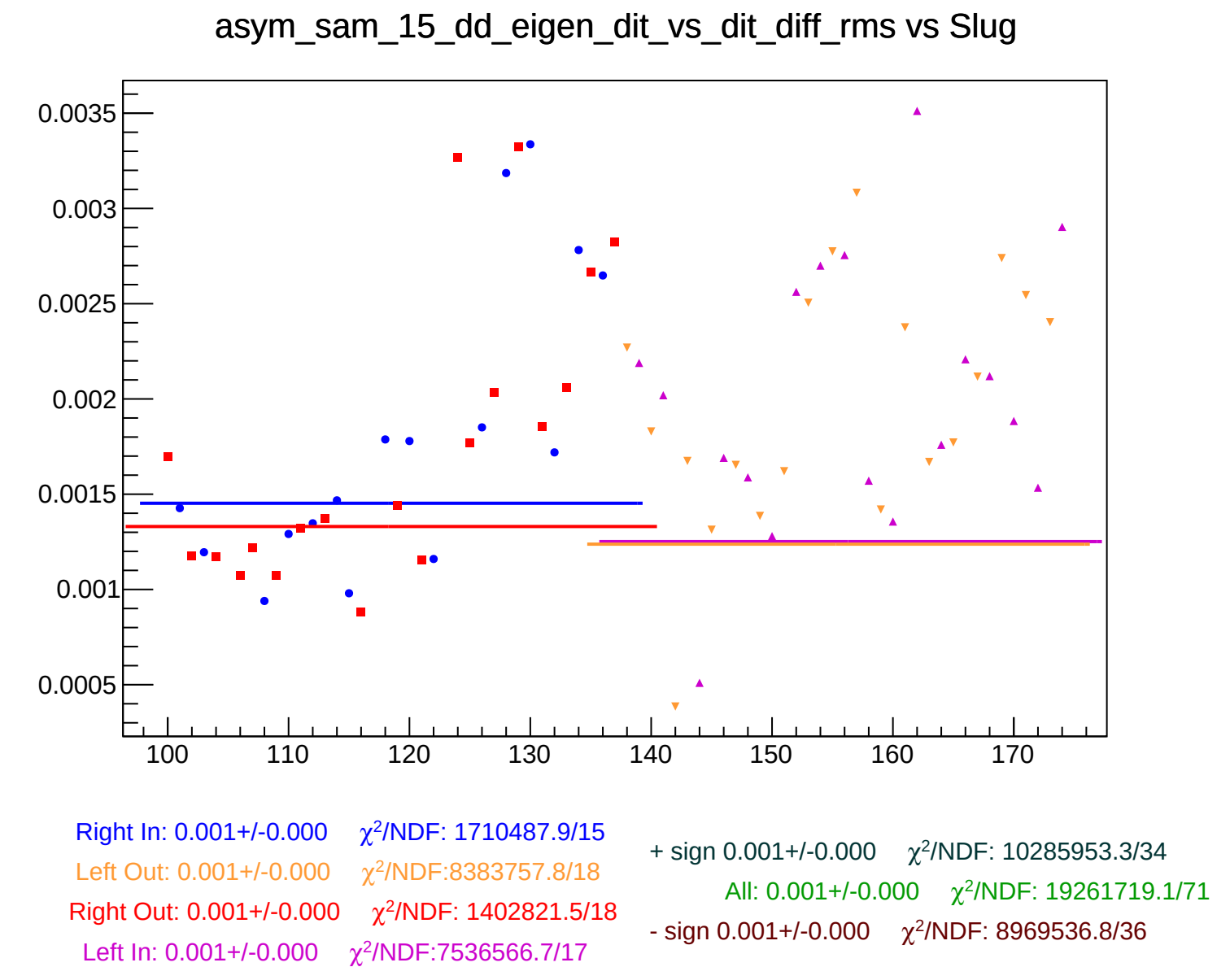
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

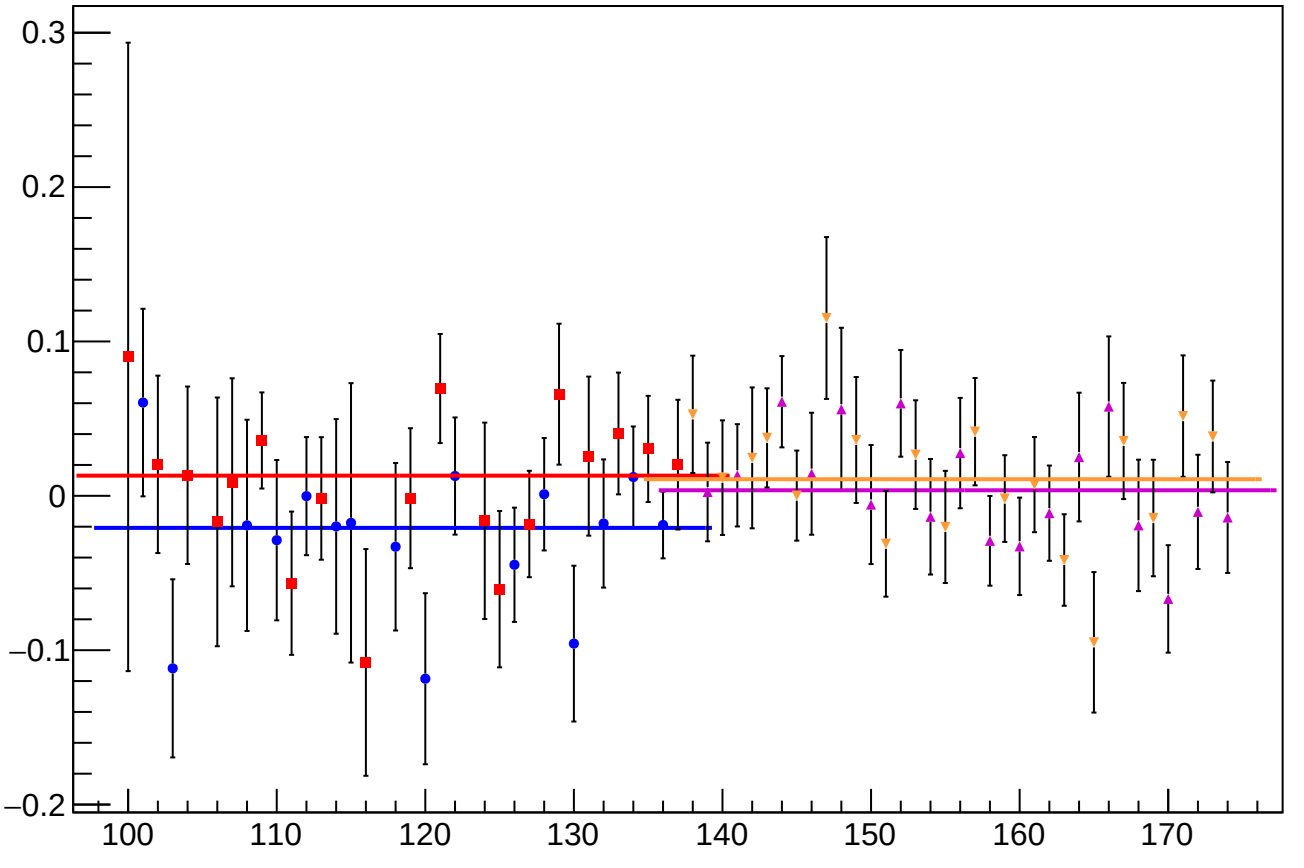
Left In: 0.000+/-0.000 χ^2/NDF:20.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 39.5/34

All: 0.000+/-0.000 χ^2/NDF: 73.6/71

- 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:8383757.8/18
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: 10285953.3/34
All: 0.001+/-0.000 χ²/NDF: 19261719.1/71
- 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:21.0/18

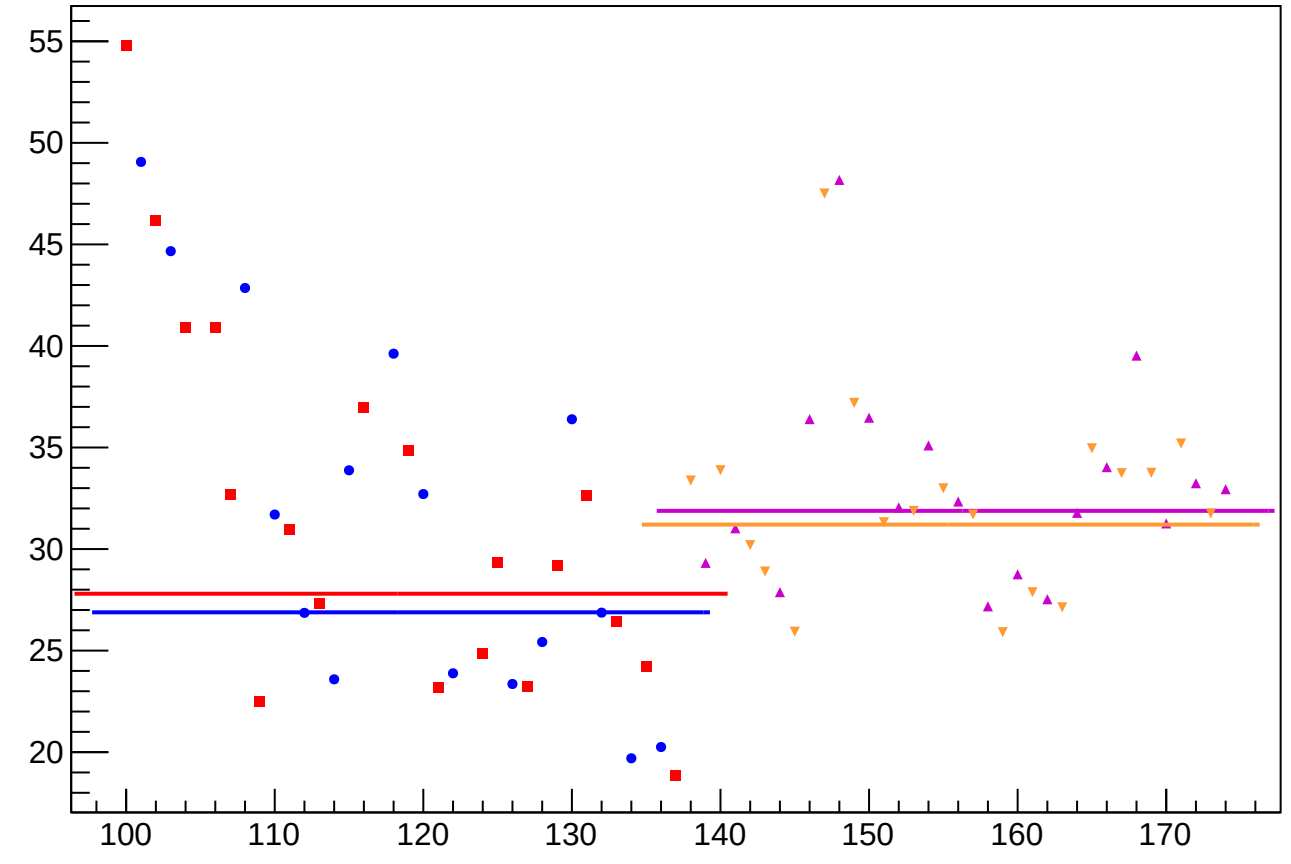
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.004+/-0.008 χ^2/NDF:17.6/17

+ sign -0.001+/-0.006 χ^2/NDF: 39.1/34

All: 0.003+/-0.005 χ^2/NDF: 71.9/71

- 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: 31.205+/-0.006 χ^2/NDF:521300.1/18

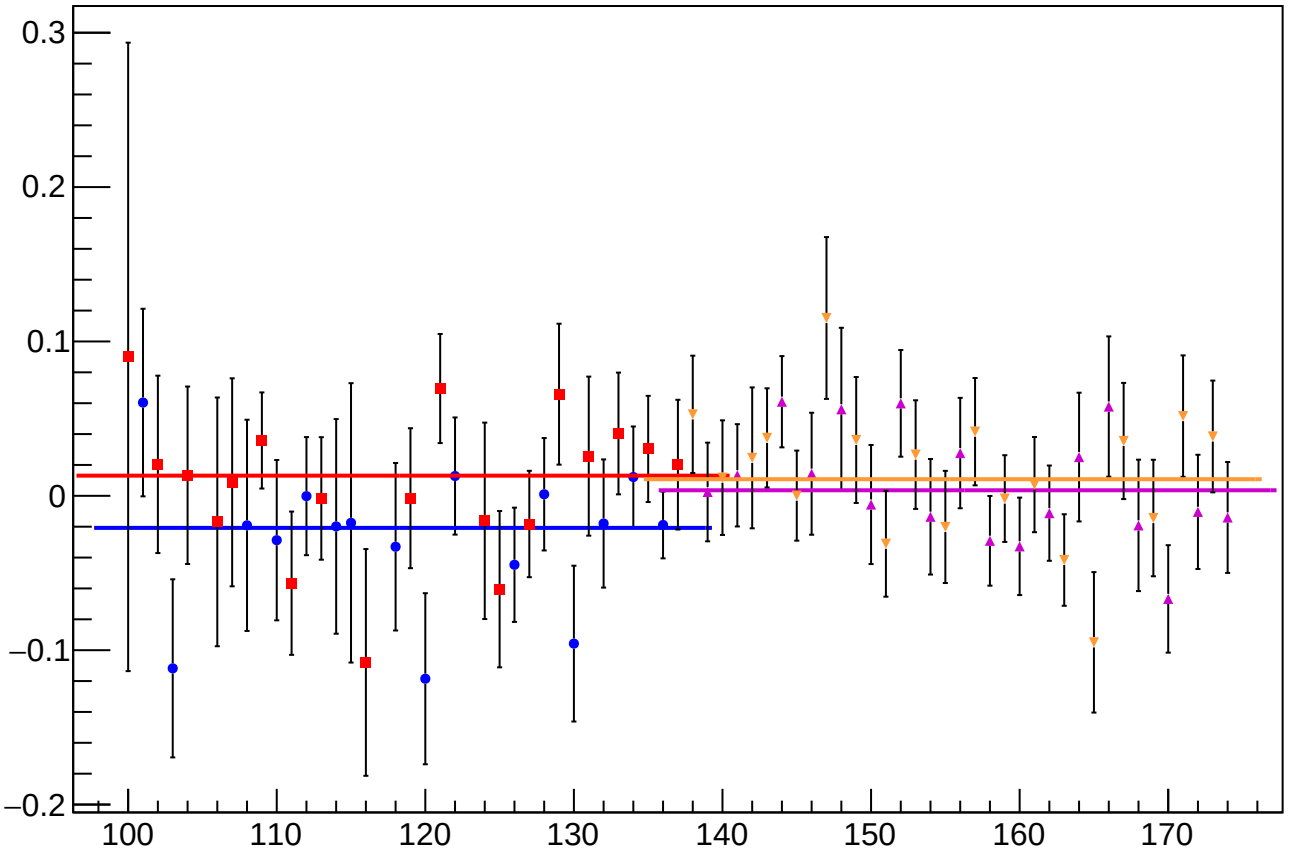
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.881+/-0.006 χ^2/NDF:496735.3/17

+ sign 29.580+/-0.005 χ^2/NDF: 1852696.3/34

All: 29.933+/-0.003 χ^2/NDF: 3308415.4/71

- 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:21.0/18

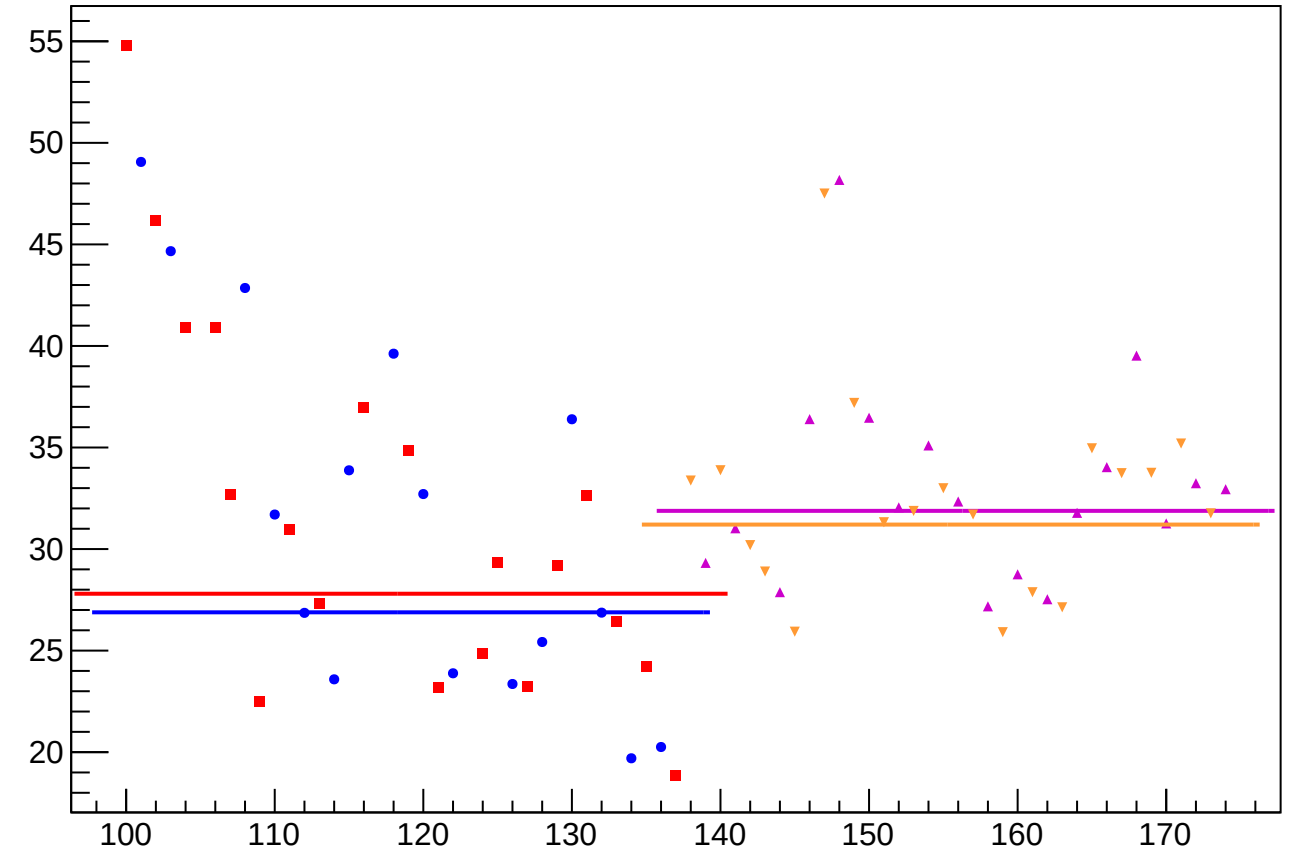
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.004+/-0.008 χ^2/NDF:17.6/17

+ sign -0.001+/-0.006 χ^2/NDF: 39.1/34

All: 0.003+/-0.005 χ^2/NDF: 71.9/71

- 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: 31.205+/-0.006 χ^2/NDF:521300.1/18

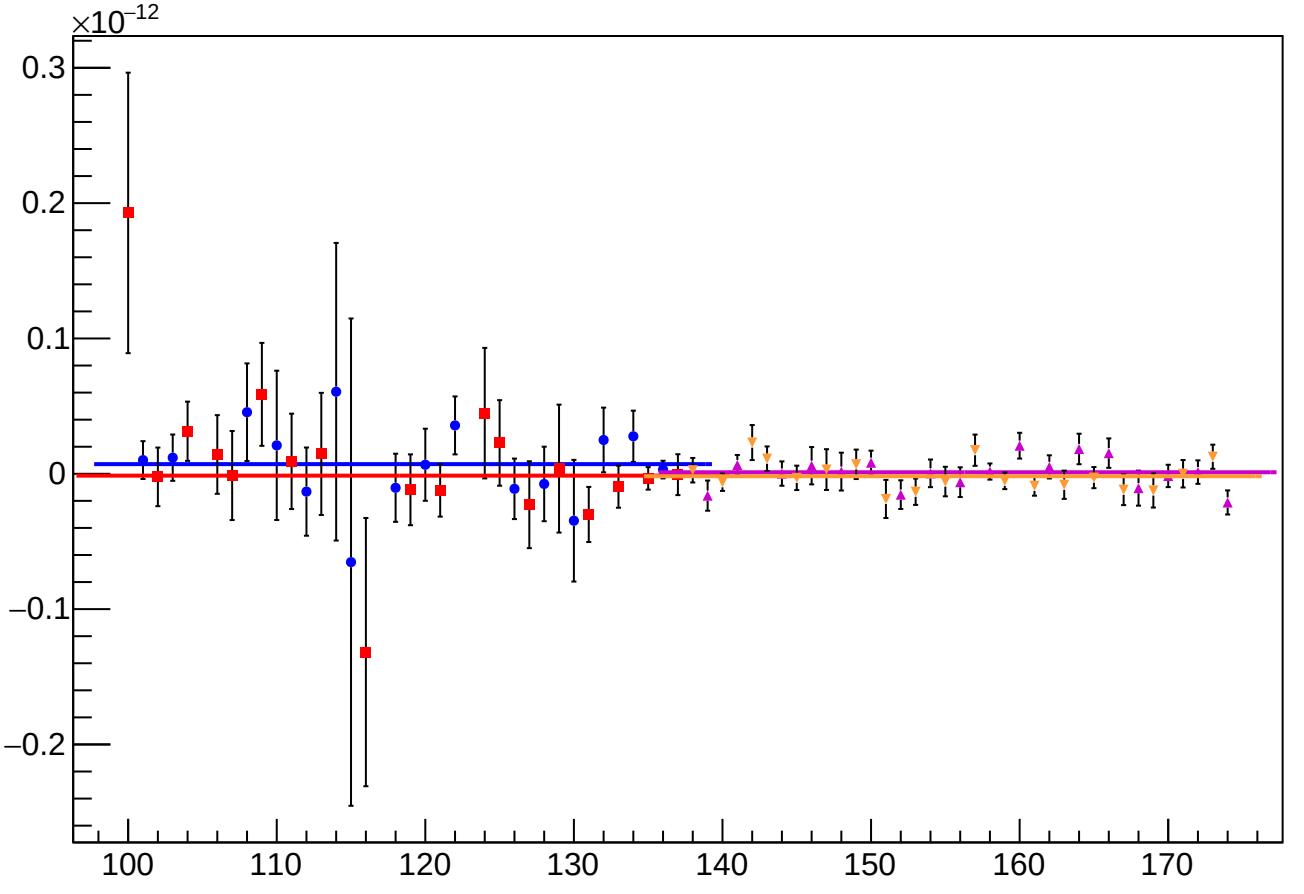
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.881+/-0.006 χ^2/NDF:496735.3/17

+ sign 29.580+/-0.005 χ^2/NDF: 1852696.3/34

All: 29.933+/-0.003 χ^2/NDF: 3308415.4/71

- 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:18.7/18

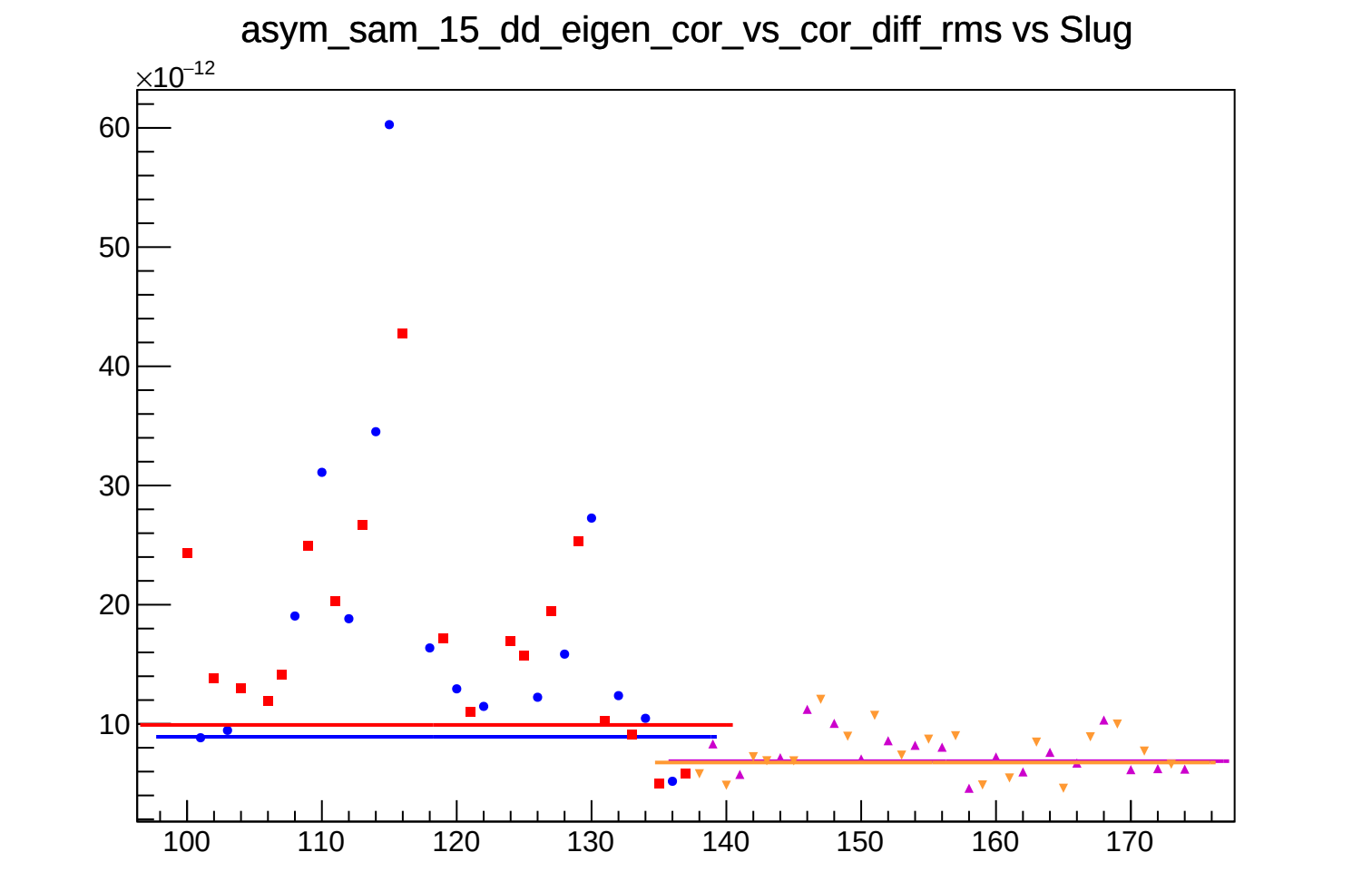
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:22.3/17

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

All: 0.000+/-0.000 χ^2/NDF: 68.0/71

- 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:1516107.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

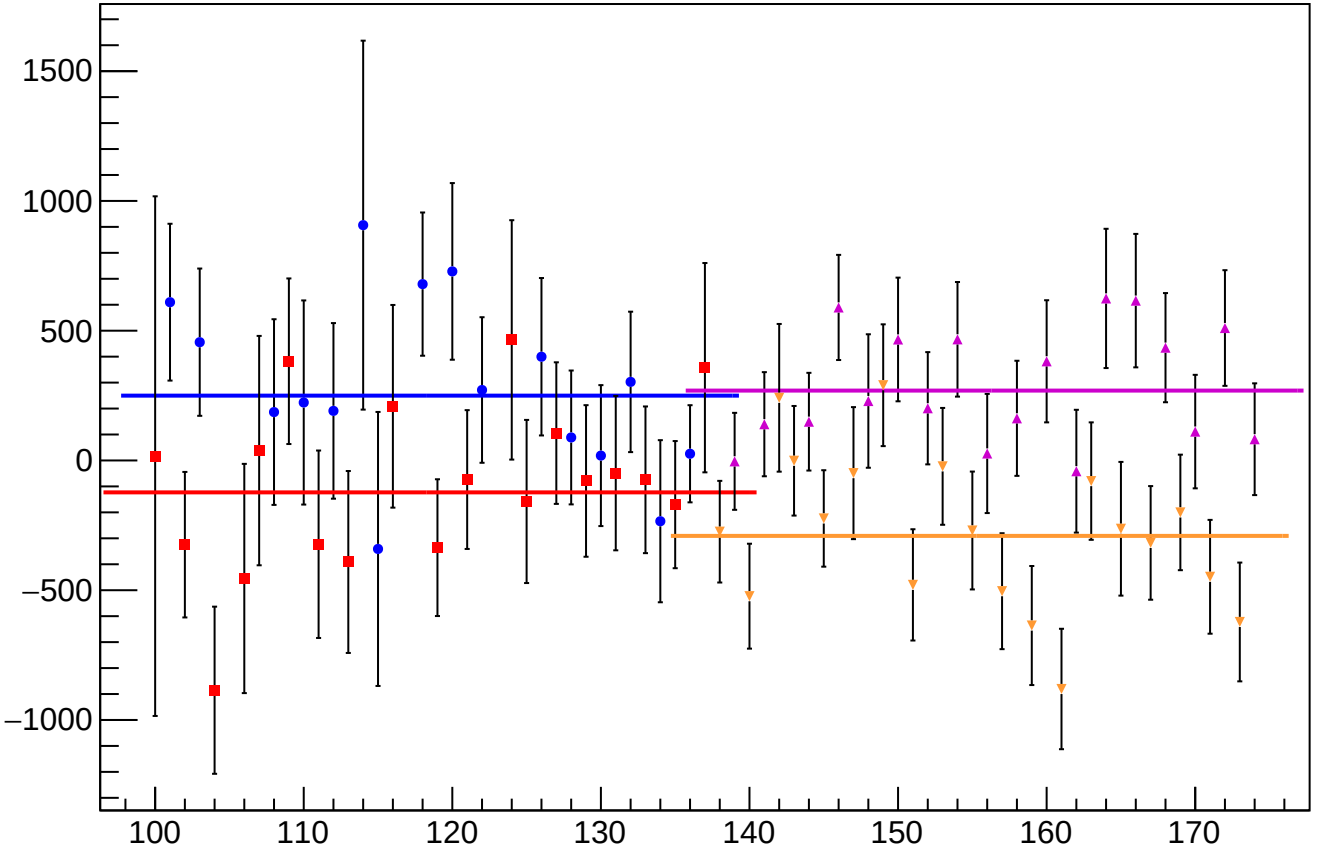
Left In: 0.000+/-0.000 χ^2/NDF:995549.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 4283060.3/34

All: 0.000+/-0.000 χ^2/NDF: 8591268.9/71

- 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: -290.659+/-51.168 χ^2/NDF:29.4/18

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

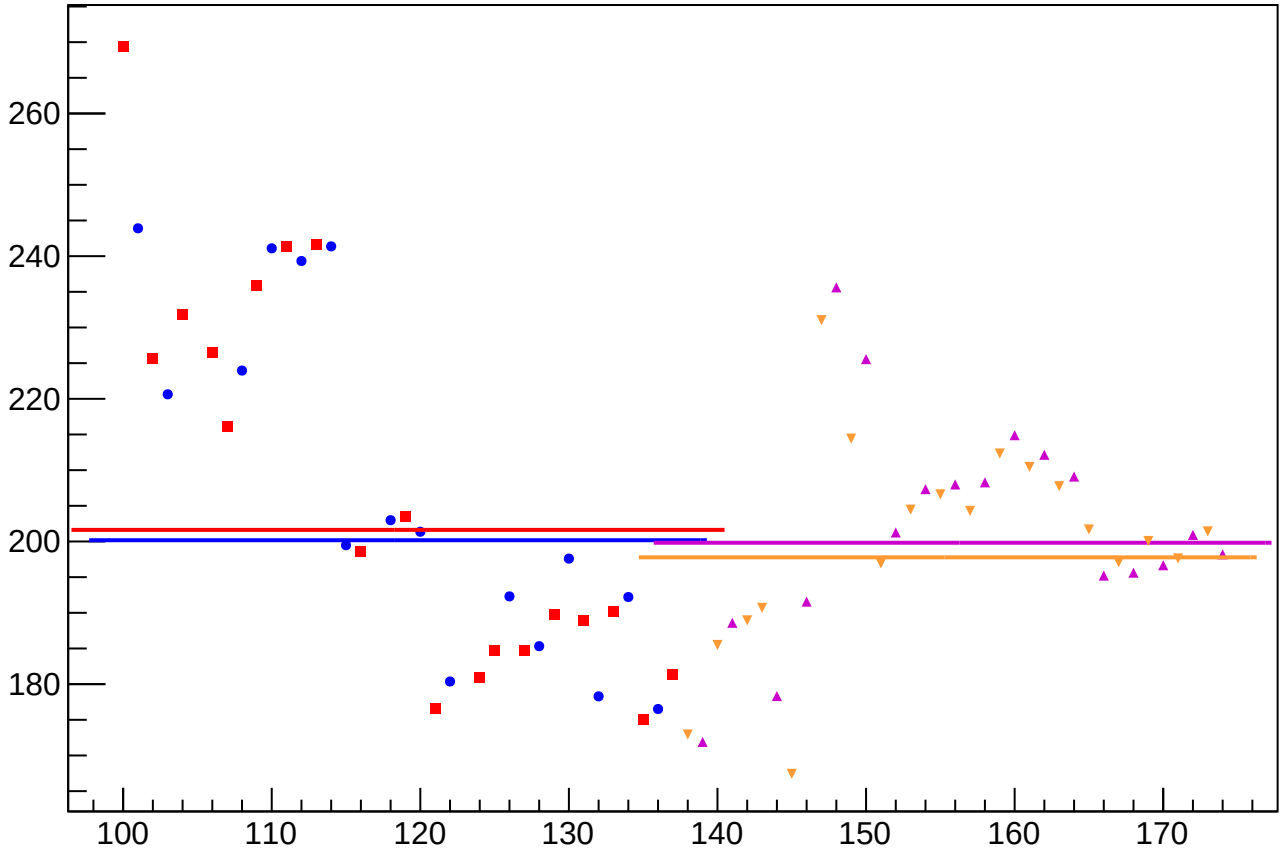
Left In: 269.222+/-51.976 χ^2/NDF:17.0/17

+ sign -118.630+/-42.246 χ^2/NDF: 78.6/34

All: 9.853+/-29.998 χ^2/NDF: 148.5/71

- 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: 197.777+/-0.036 χ^2/NDF:166961.8/18

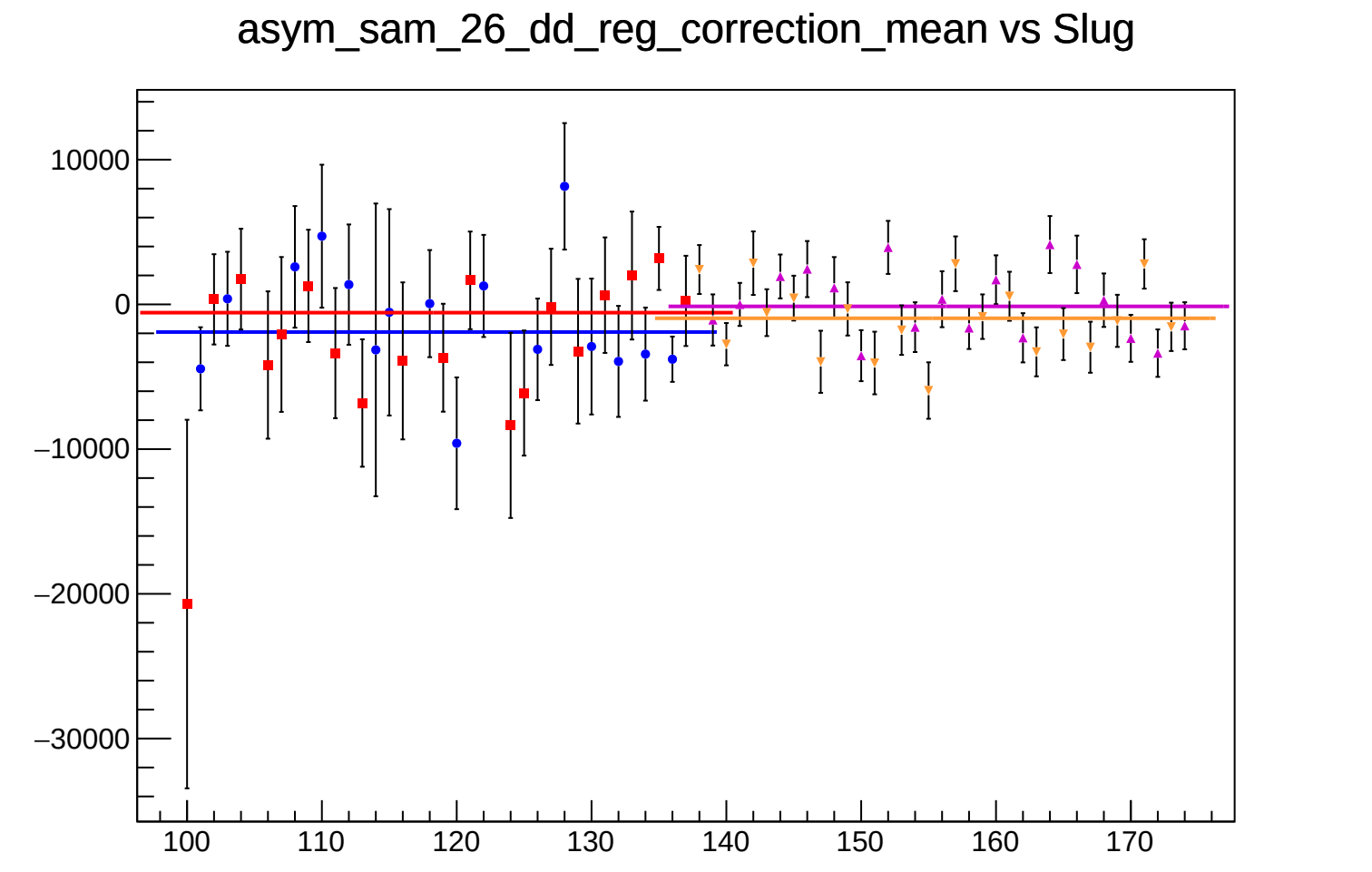
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 199.822+/-0.037 χ^2/NDF:168329.6/17

+ sign 198.541+/-0.030 χ^2/NDF: 349363.7/34

All: 199.470+/-0.021 χ^2/NDF: 717680.7/71

- 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: -958.781+/-401.666 χ^2/NDF:33.6/18

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

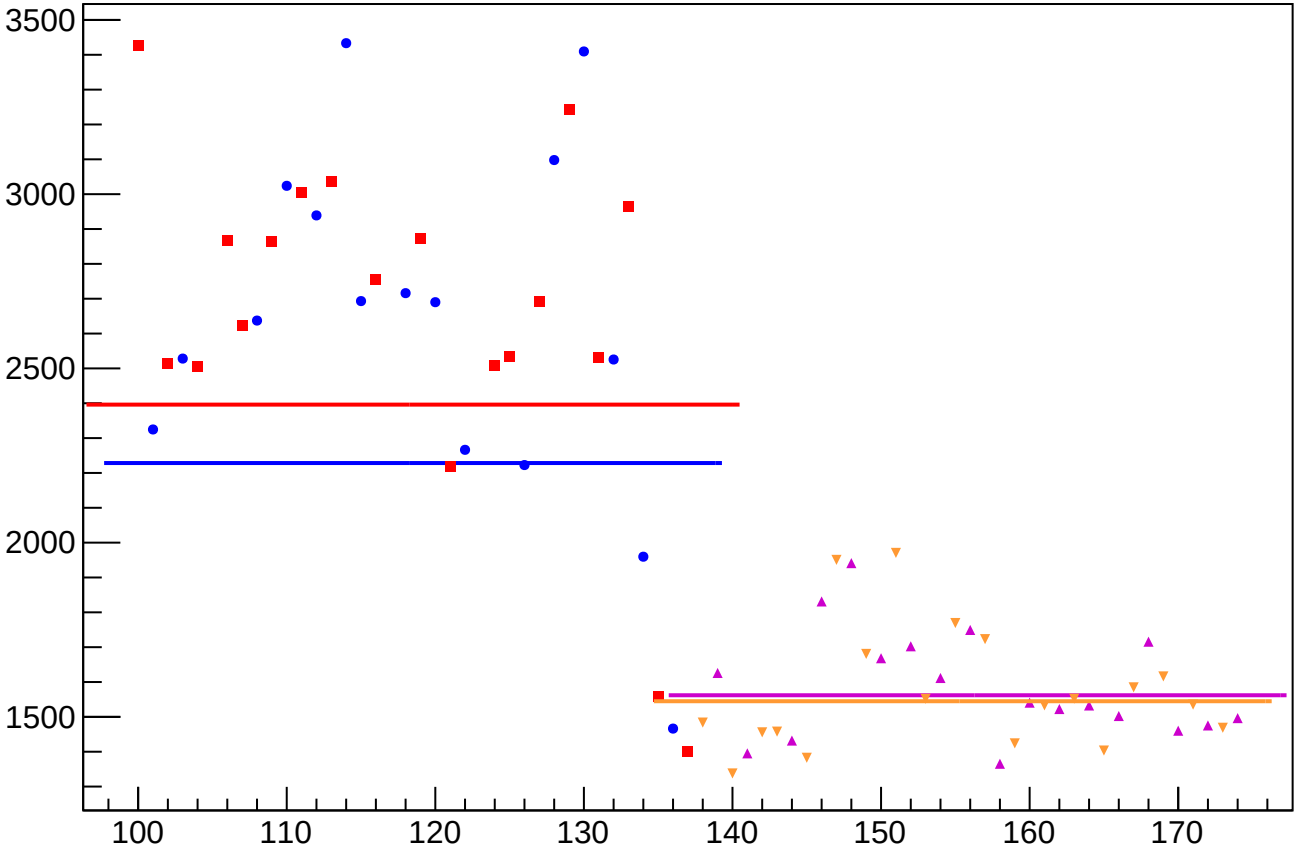
Left In: -137.319+/-407.484 χ^2/NDF:30.9/17

+ sign -1129.481+/-363.860 χ^2/NDF: 50.8/34

All: -679.475+/-259.858 χ^2/NDF: 99.7/71

- 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: 1544.889+/-0.284 χ^2/NDF:311290.4/18

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

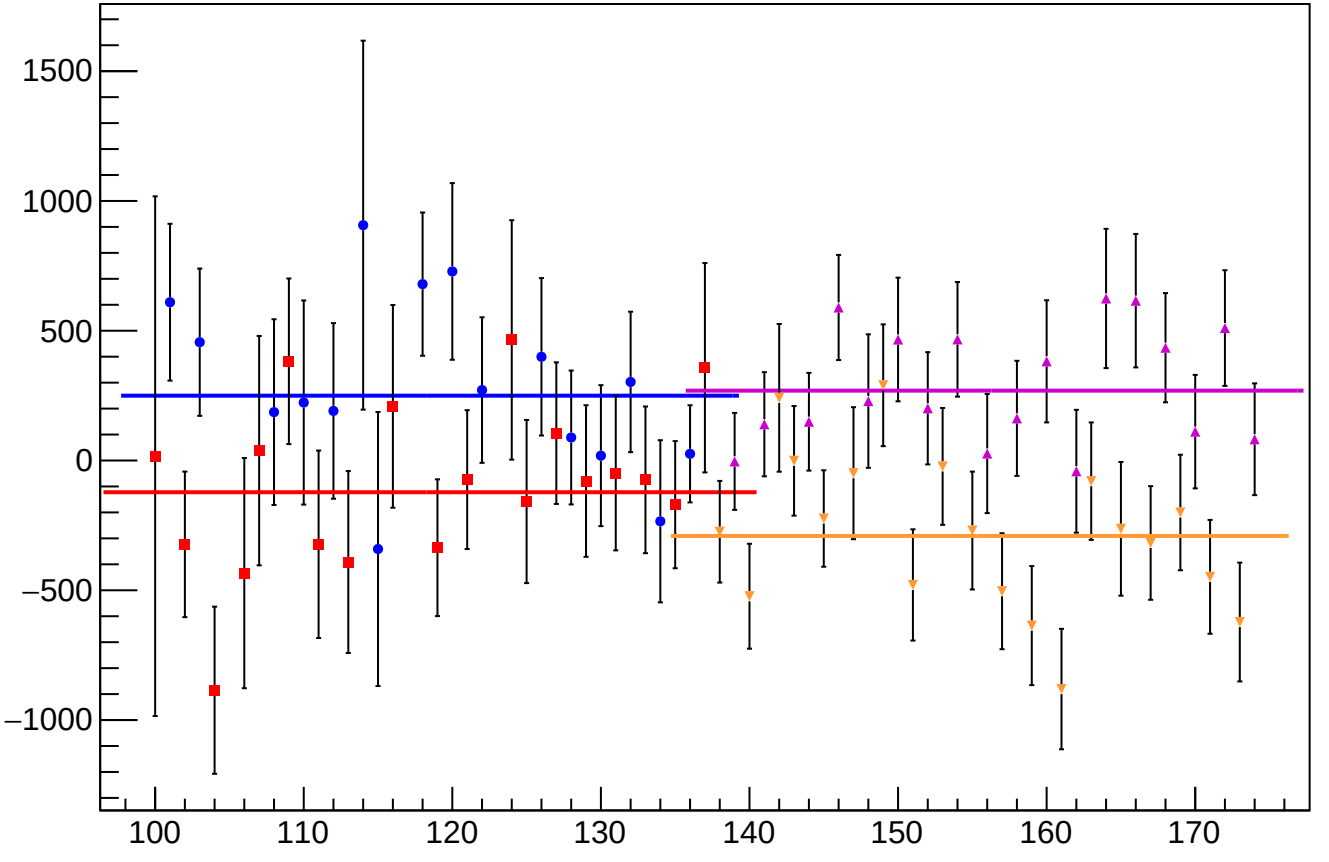
Left In: 1562.035+/-0.288 χ^2/NDF:255034.0/17

+ sign 1667.509+/-0.257 χ^2/NDF: 2297963.2/34

All: 1685.292+/-0.184 χ^2/NDF: 4786413.6/71

- 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: -290.655+/-51.168 χ^2/NDF:29.4/18

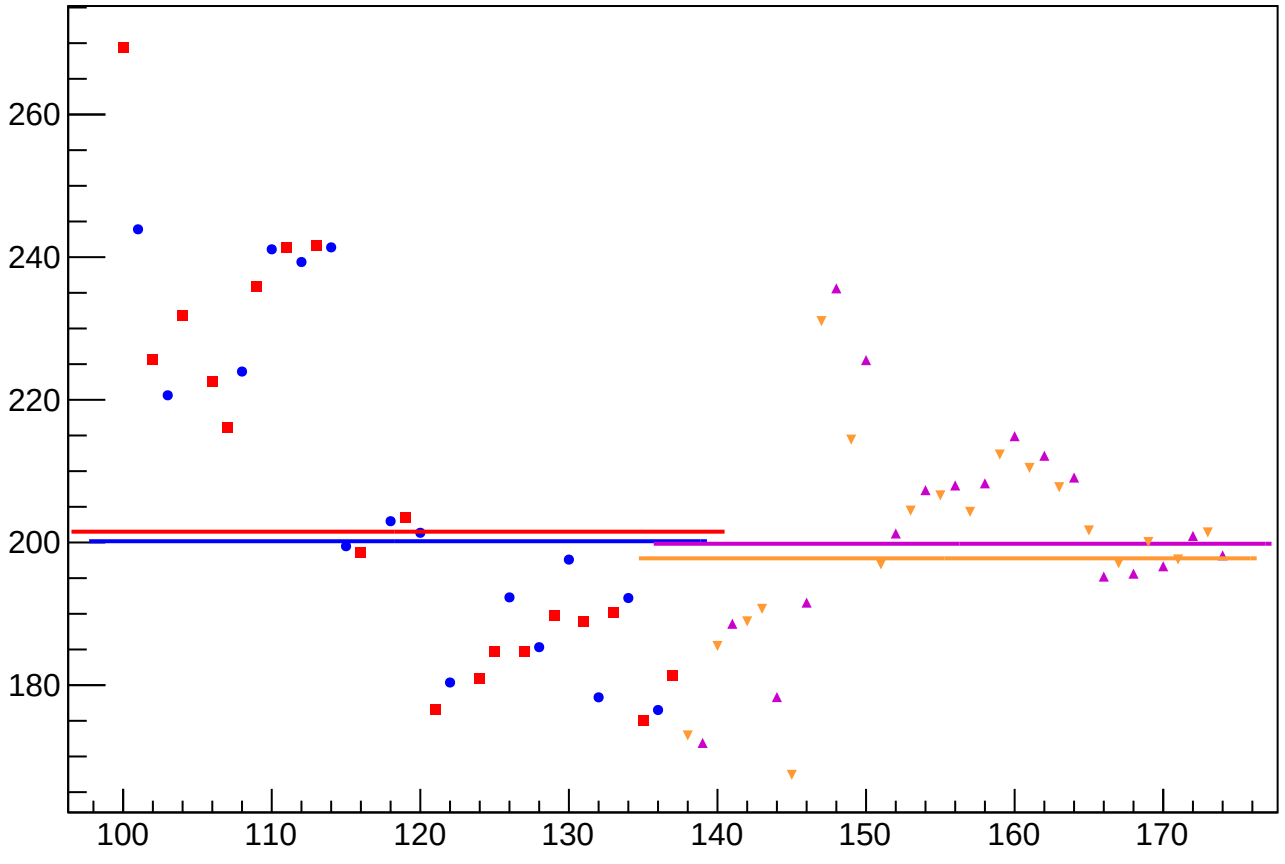
Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 269.225+/-51.976 χ^2/NDF:17.0/17

+ sign -118.627+/-42.246 χ^2/NDF: 78.6/34

All: 9.989+/-29.998 χ^2/NDF: 148.4/71

- 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: 197.777+/-0.036 χ^2/NDF:166961.8/18

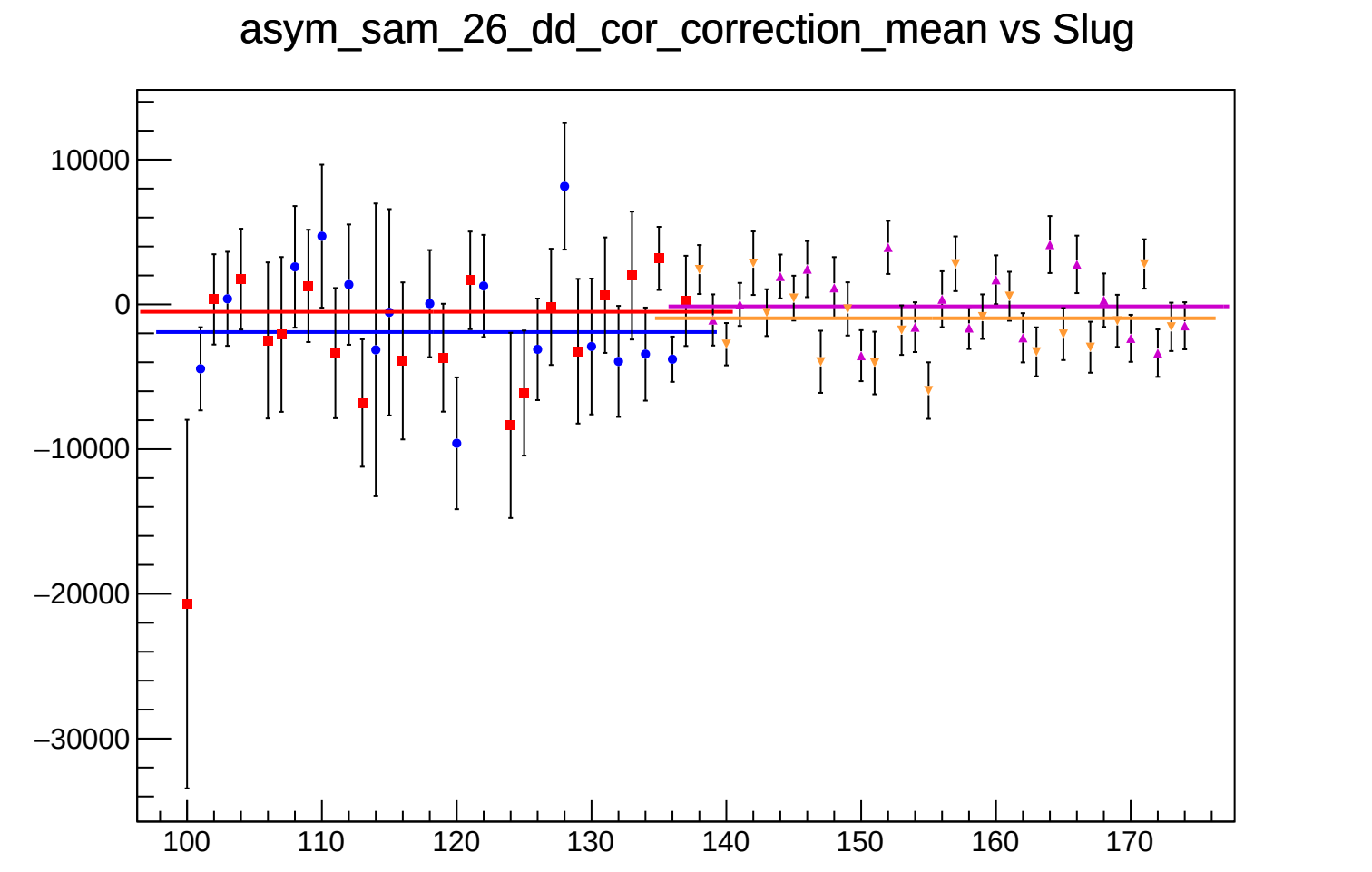
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.822+/-0.037 χ^2/NDF:168329.6/17

+ sign 198.541+/-0.030 χ^2/NDF: 349364.0/34

All: 199.451+/-0.021 χ^2/NDF: 715694.0/71

- 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: -958.781+/-401.666 χ^2/NDF:33.6/18

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

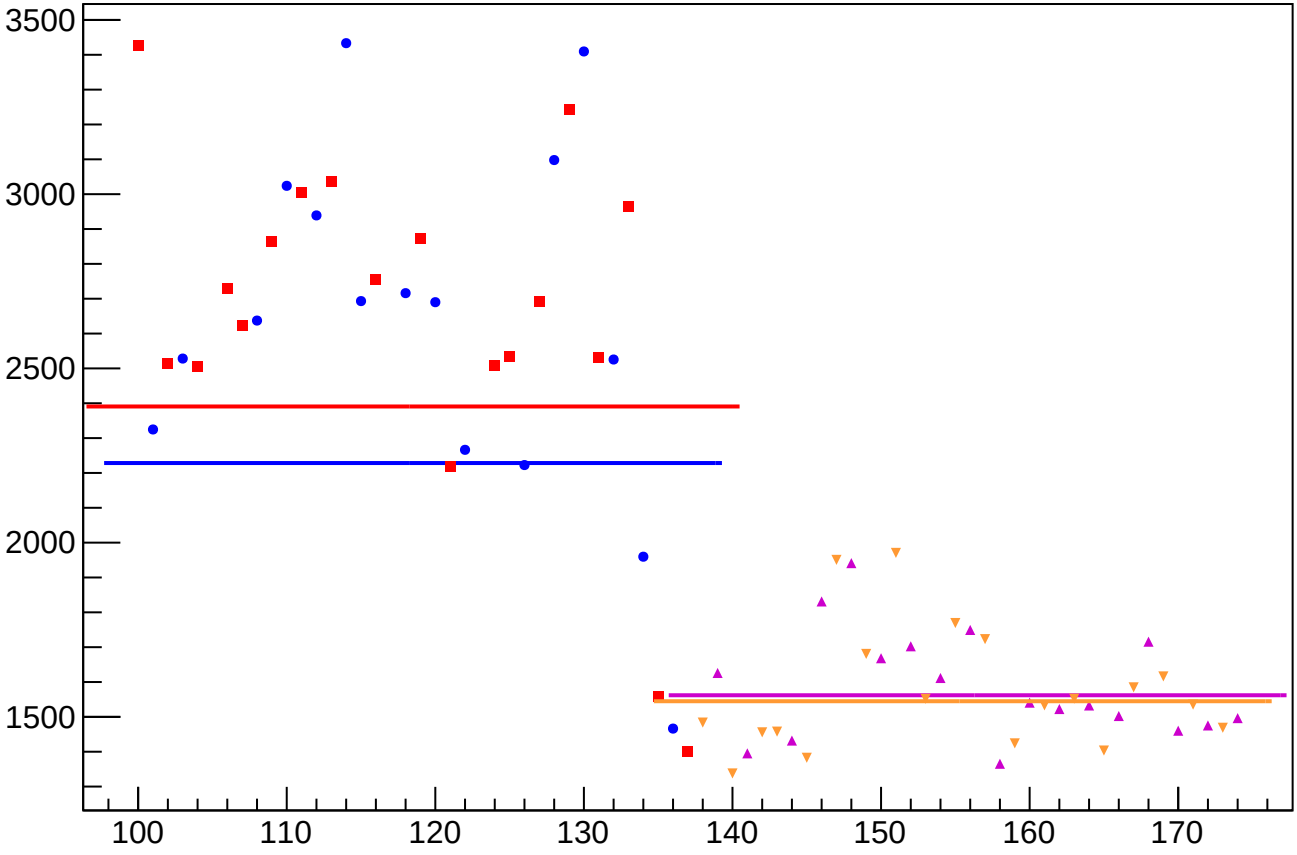
Left In: -137.323+/-407.485 χ^2/NDF:30.9/17

+ sign -1129.473+/-363.860 χ^2/NDF: 50.8/34

All: -674.550+/-259.896 χ^2/NDF: 99.3/71

- 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: 1544.890+/-0.284 χ^2/NDF:311290.4/18

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

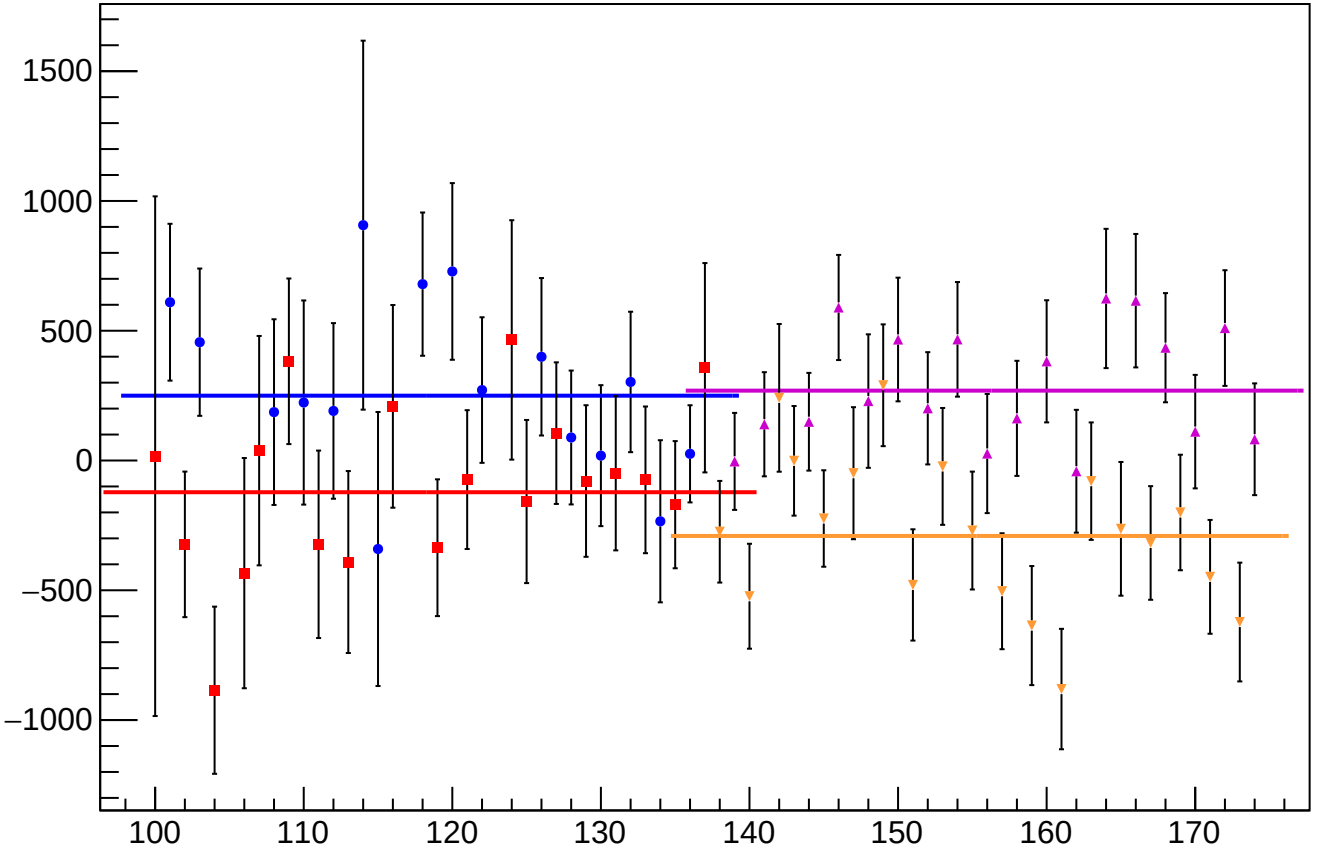
Left In: 1562.035+/-0.288 χ^2/NDF:255035.2/17

+ sign 1667.509+/-0.257 χ^2/NDF: 2297974.4/34

All: 1684.643+/-0.184 χ^2/NDF: 4754038.6/71

- 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: -290.655+/-51.168 χ^2/NDF:29.4/18

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

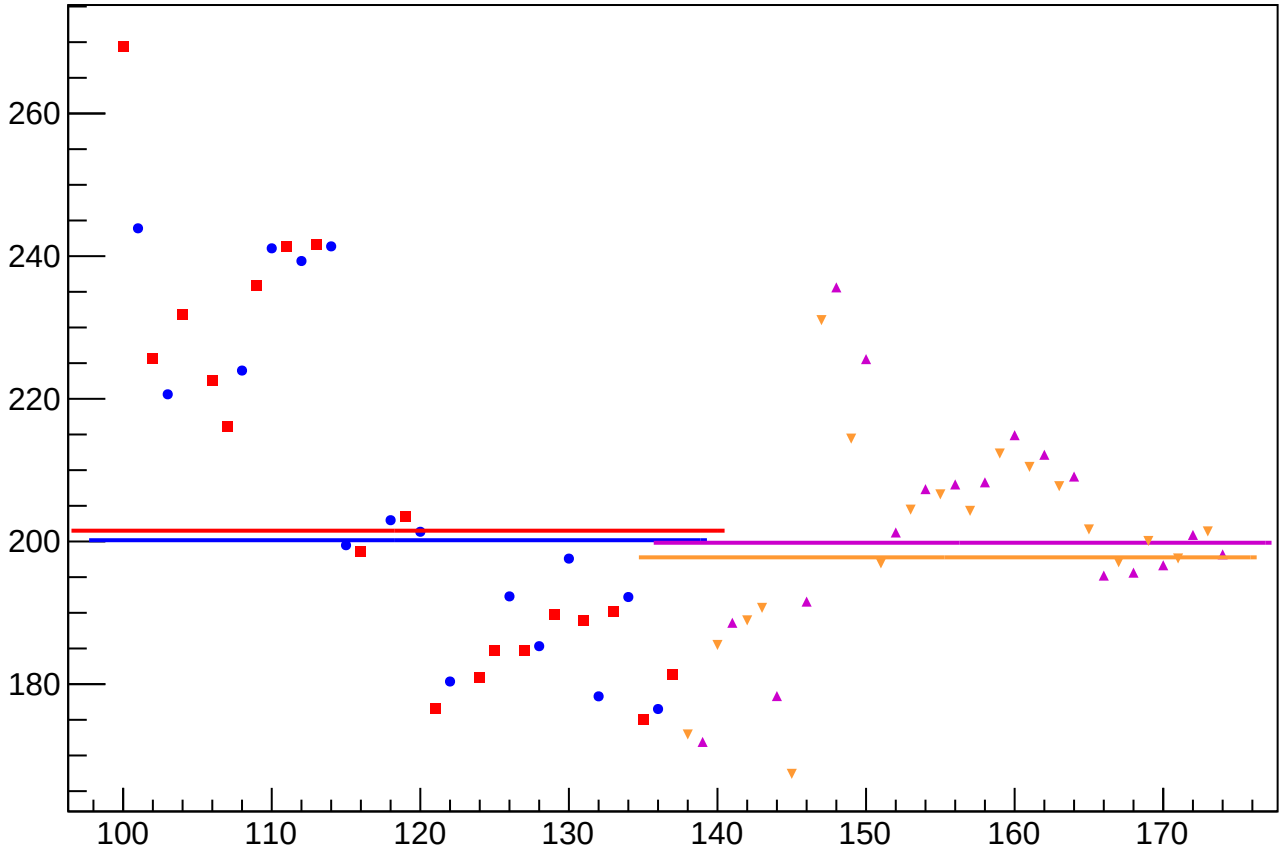
Left In: 269.225+/-51.976 χ^2/NDF:17.0/17

+ sign -118.627+/-42.246 χ^2/NDF: 78.6/34

All: 9.989+/-29.998 χ^2/NDF: 148.4/71

- 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: 197.777+/-0.036 χ^2/NDF:166961.8/18

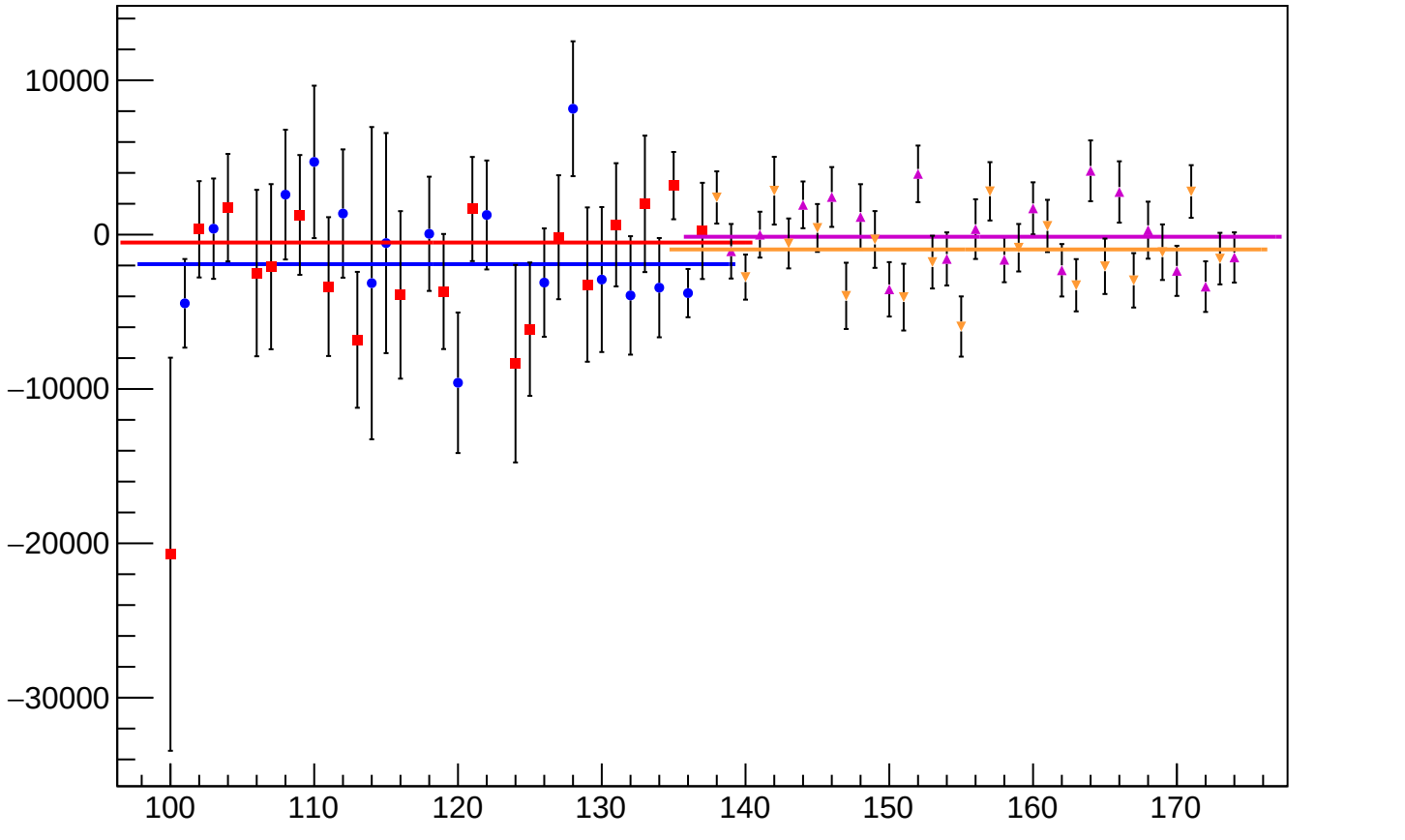
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.822+/-0.037 χ^2/NDF:168329.6/17

+ sign 198.541+/-0.030 χ^2/NDF: 349364.0/34

All: 199.451+/-0.021 χ^2/NDF: 715694.0/71

- 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: -958.781+/-401.666 χ^2/NDF:33.6/18

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 -1129.473+/-363.860 χ^2/NDF: 50.8/34

All: -674.550+/-259.896 χ^2/NDF: 99.3/71

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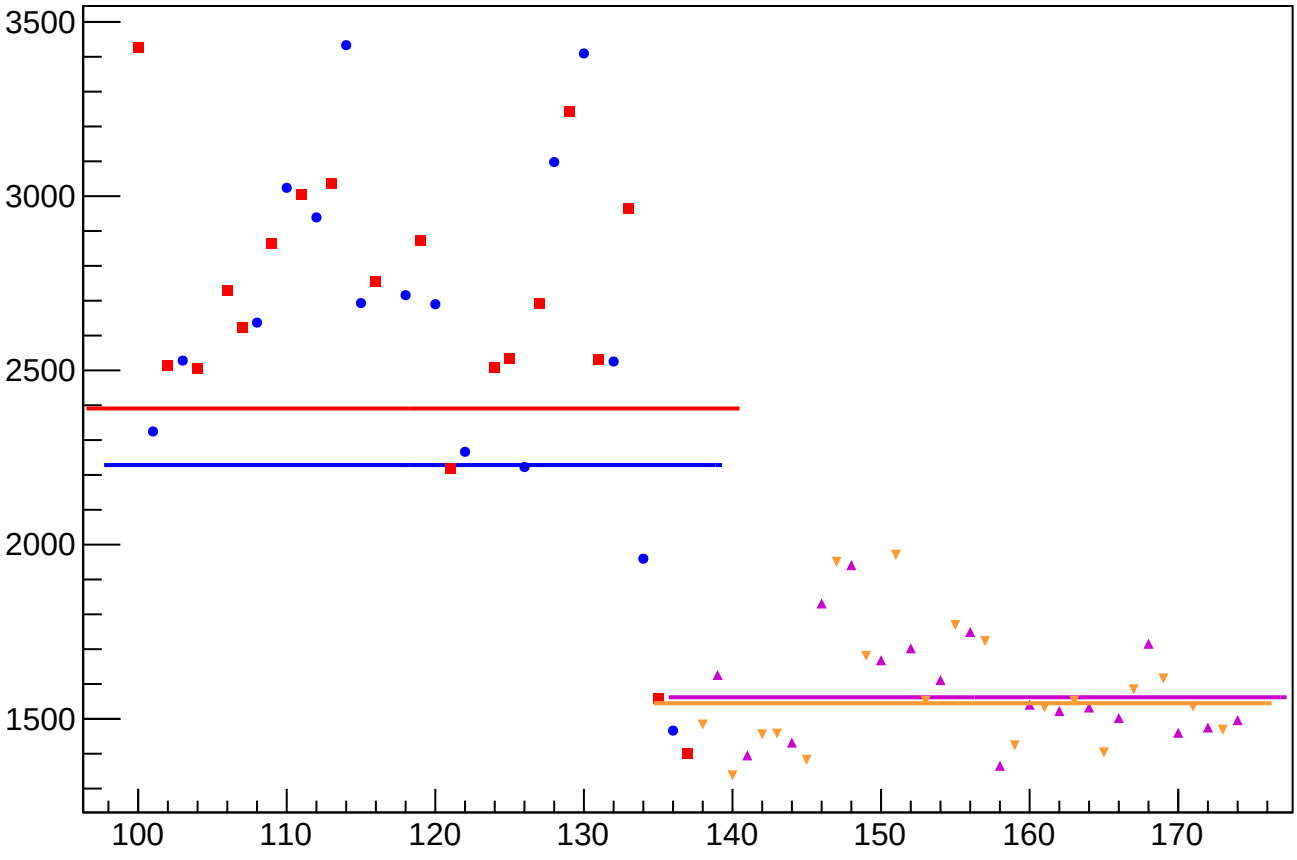


Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.890+/-0.284 χ^2/NDF:311290.4/18

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

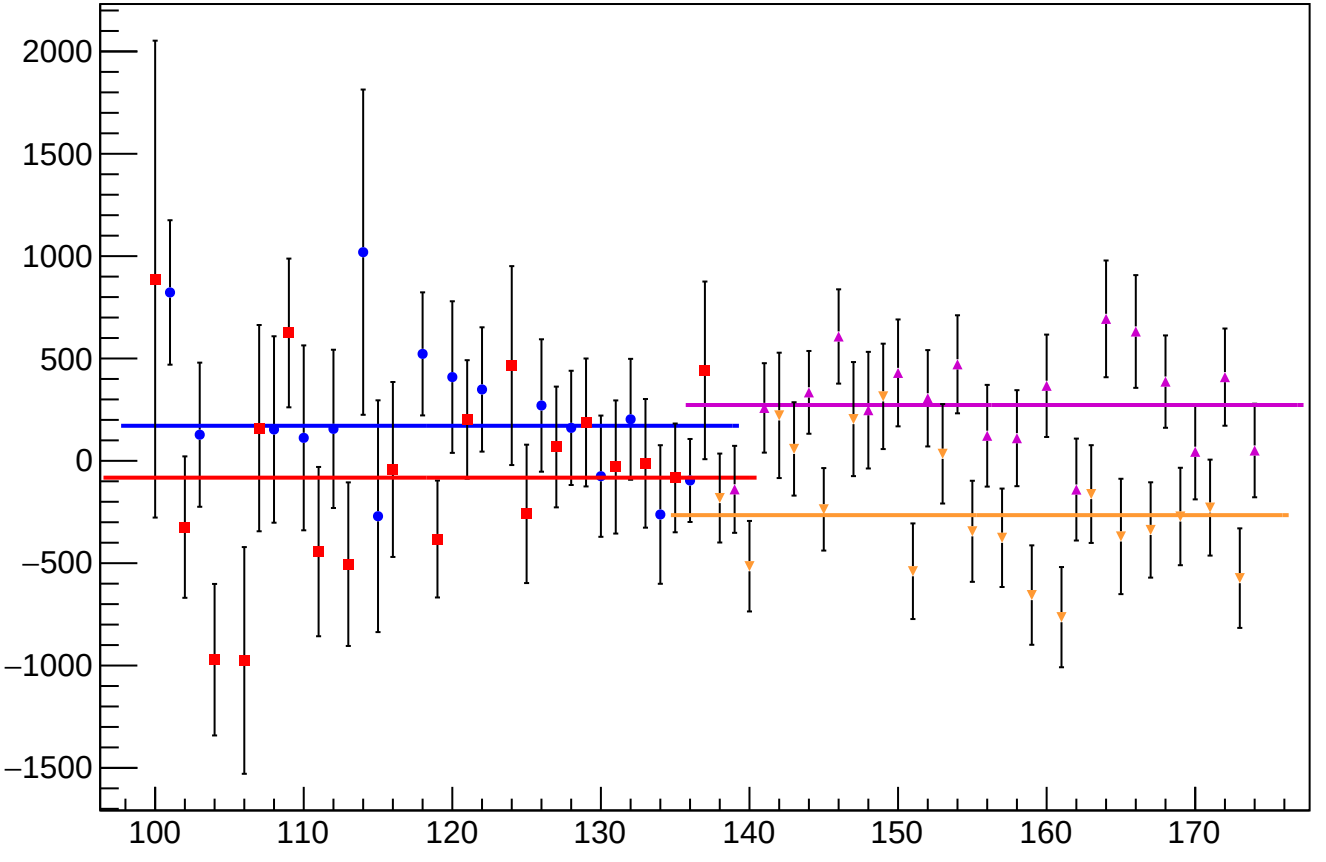
Left In: 1562.035+/-0.288 χ^2/NDF:255035.2/17

+ sign 1667.509+/-0.257 χ^2/NDF: 2297974.4/34

All: 1684.643+/-0.184 χ^2/NDF: 4754038.6/71

- 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: -265.270+/-55.207 χ^2/NDF:25.9/18

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

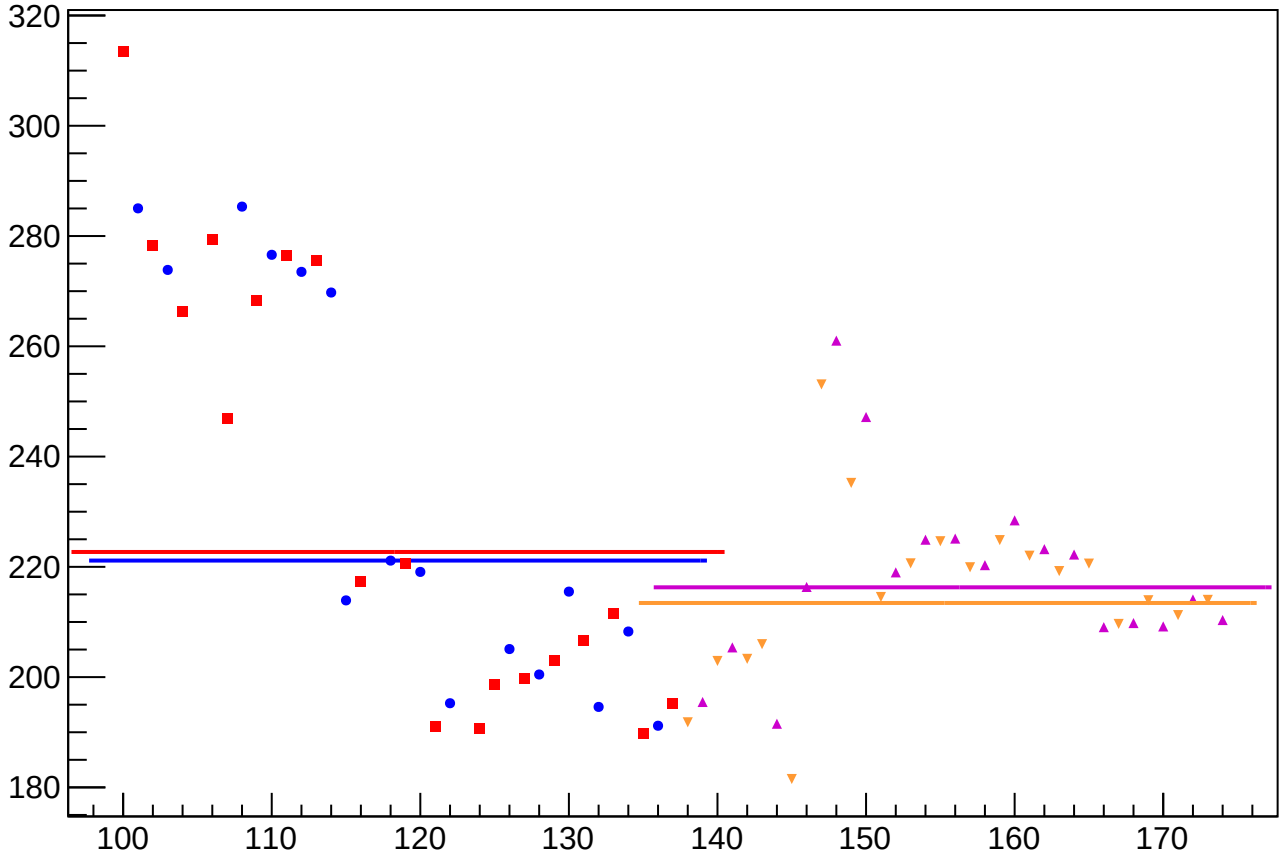
Left In: 272.770+/-56.264 χ^2/NDF:17.2/17

+ sign -131.636+/-45.987 χ^2/NDF: 56.5/34

All: 12.684+/-32.695 χ^2/NDF: 127.8/71

- 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: 213.448+/-0.039 χ^2/NDF:151130.5/18

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

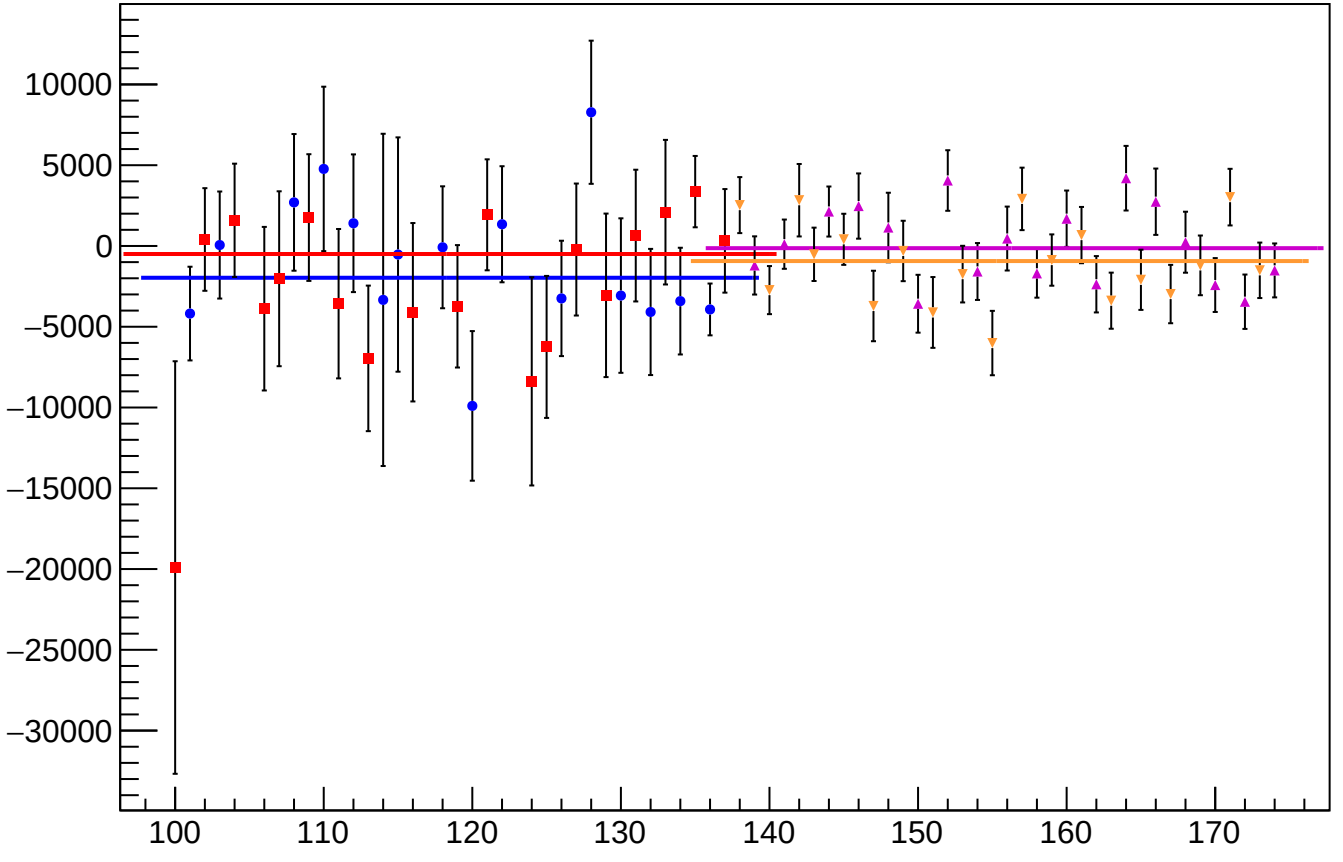
Left In: 216.287+/-0.040 χ^2/NDF:150925.9/17

\+ sign 215.802+/-0.033 χ^2/NDF: 481716.1/34

All: 217.048+/-0.023 χ^2/NDF: 970875.3/71

\- sign 218.321+/-0.033 χ^2/NDF: 486192.6/36

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -934.051+/-411.425 χ^2/NDF:33.3/18

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

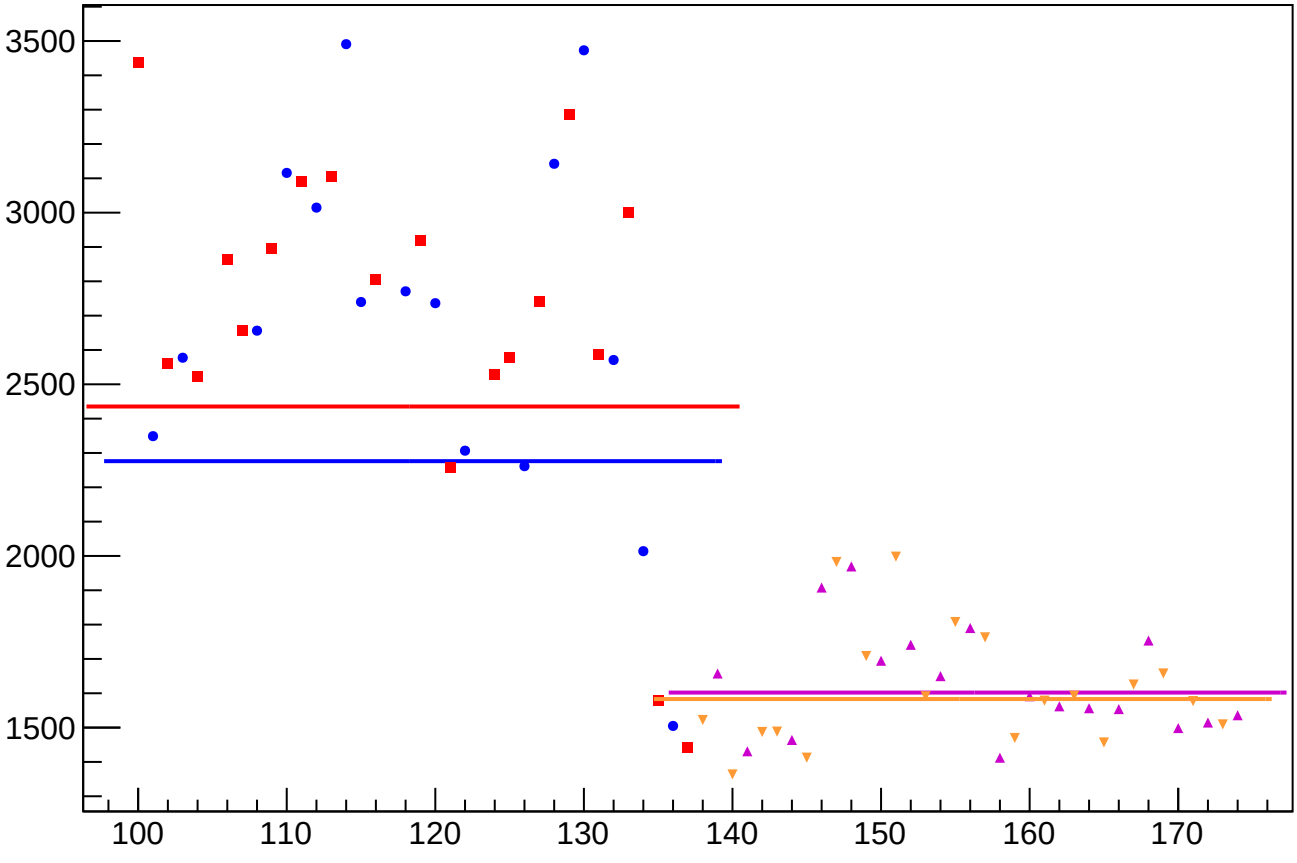
Left In: -135.649+/-417.809 χ^2/NDF:30.9/17

+ sign -1120.588+/-372.445 χ^2/NDF: 50.6/34

All: -668.644+/-266.004 χ^2/NDF: 99.4/71

- 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: 1583.171+/-0.291 χ^2/NDF:297397.0/18

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

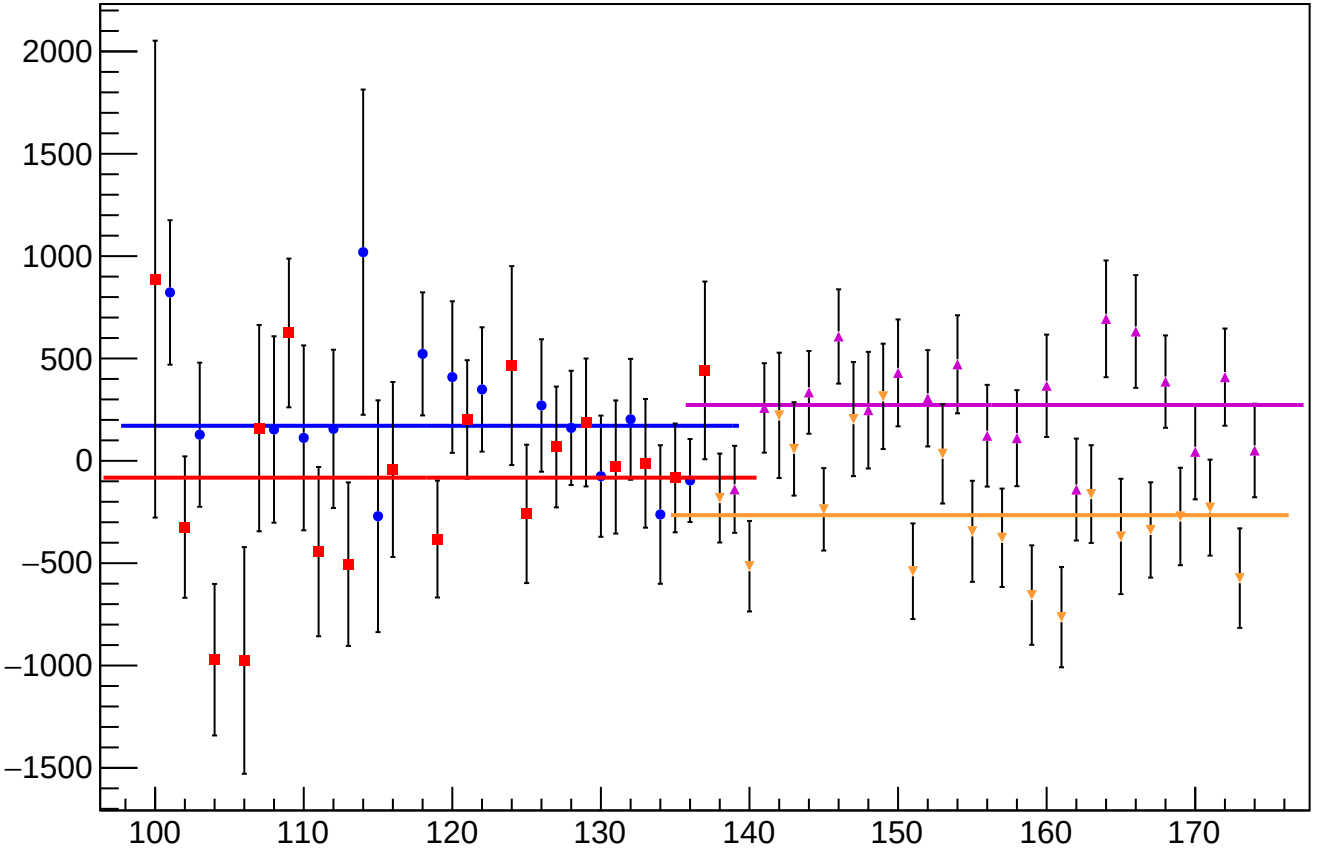
Left In: 1602.040+/-0.295 χ^2/NDF:247163.6/17

+ sign 1708.261+/-0.263 χ^2/NDF: 2248567.0/34

All: 1726.688+/-0.188 χ^2/NDF: 4670482.9/71

- 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: -265.273+/-55.207 χ^2/NDF:25.9/18

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

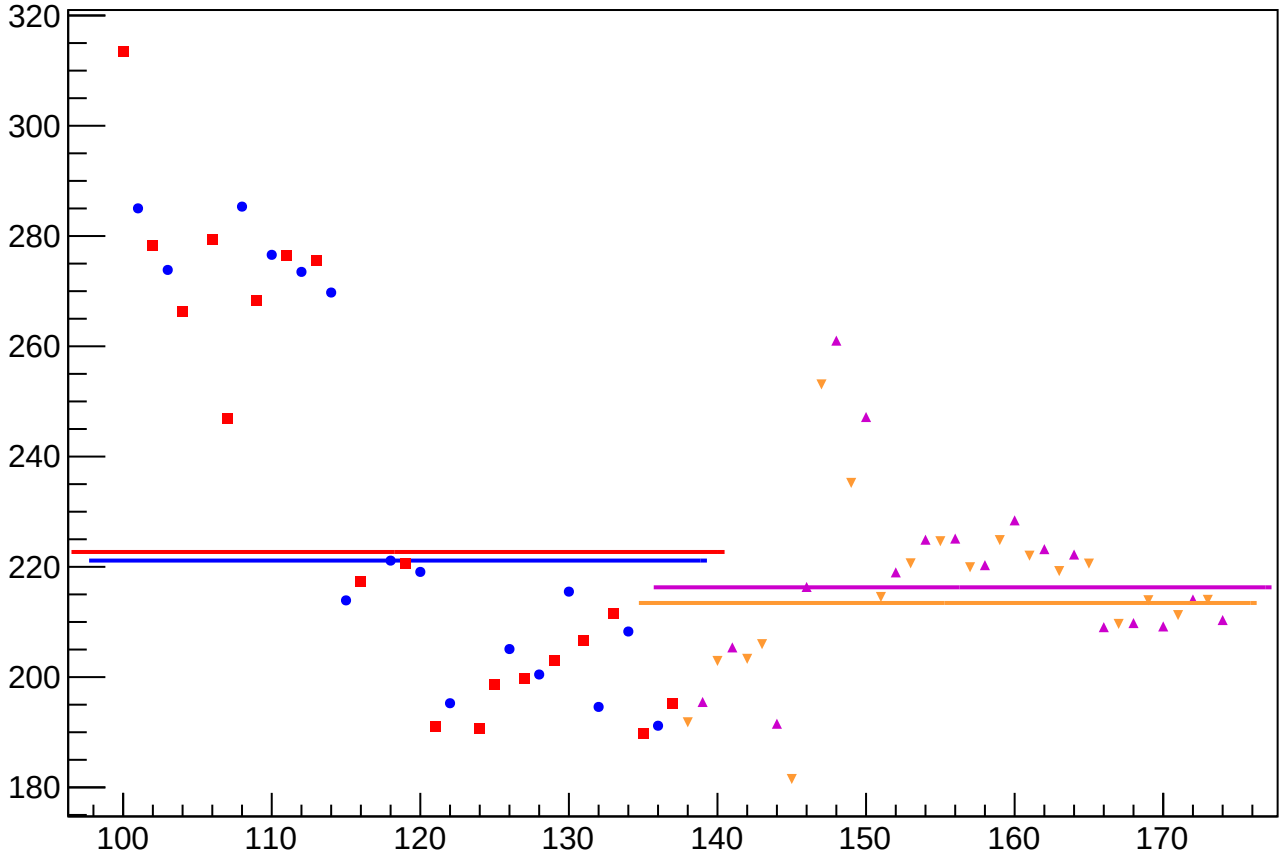
Left In: 272.772+/-56.263 χ^2/NDF:17.2/17

+ sign -131.636+/-45.987 χ^2/NDF: 56.5/34

All: 12.684+/-32.694 χ^2/NDF: 127.8/71

- 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: 213.448+/-0.039 χ^2/NDF:151134.7/18

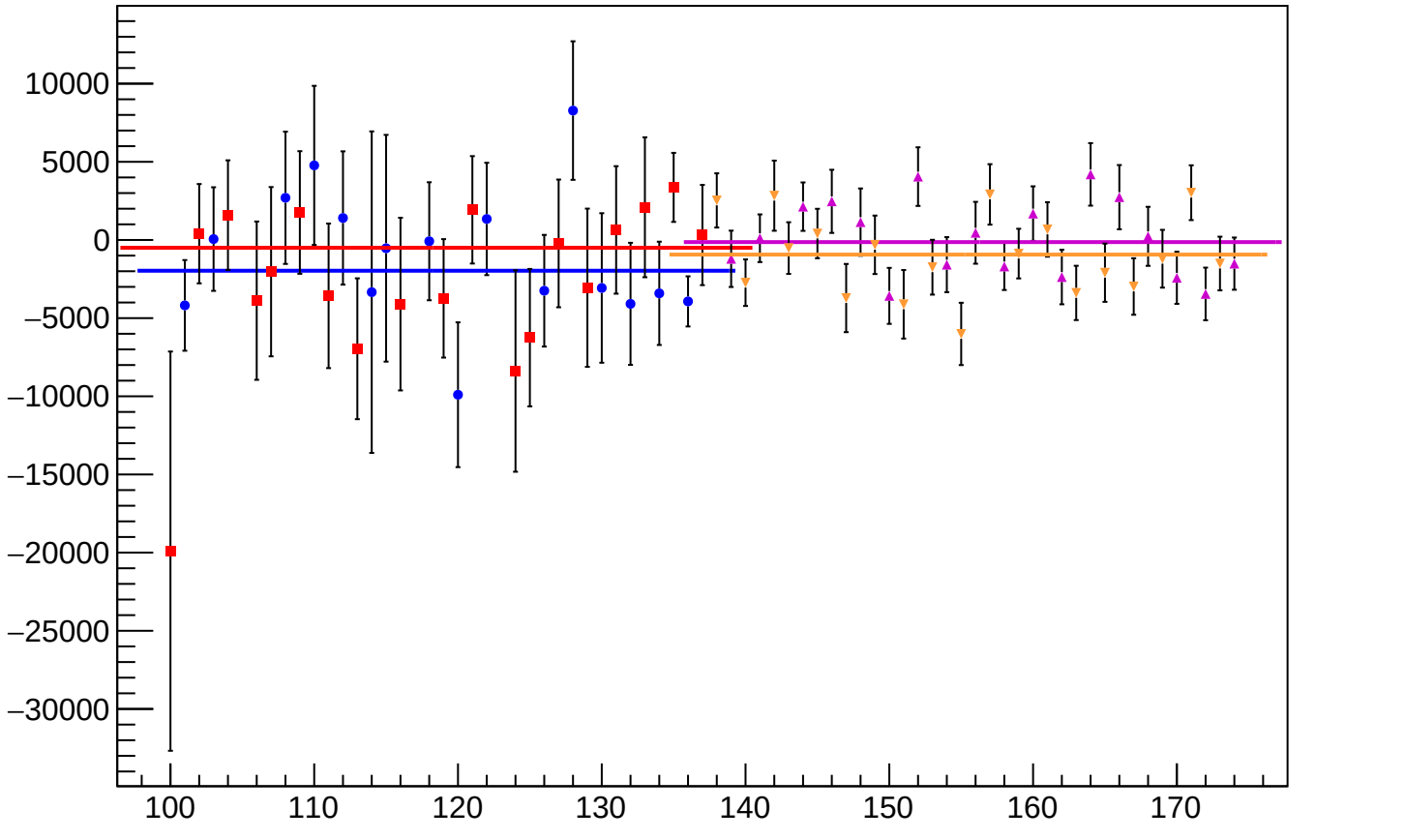
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.287+/-0.040 χ^2/NDF:150928.4/17

+ sign 215.802+/-0.033 χ^2/NDF: 481712.0/34

All: 217.047+/-0.023 χ^2/NDF: 970864.8/71

- 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: -934.052+/-411.425 χ^2/NDF:33.3/18

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

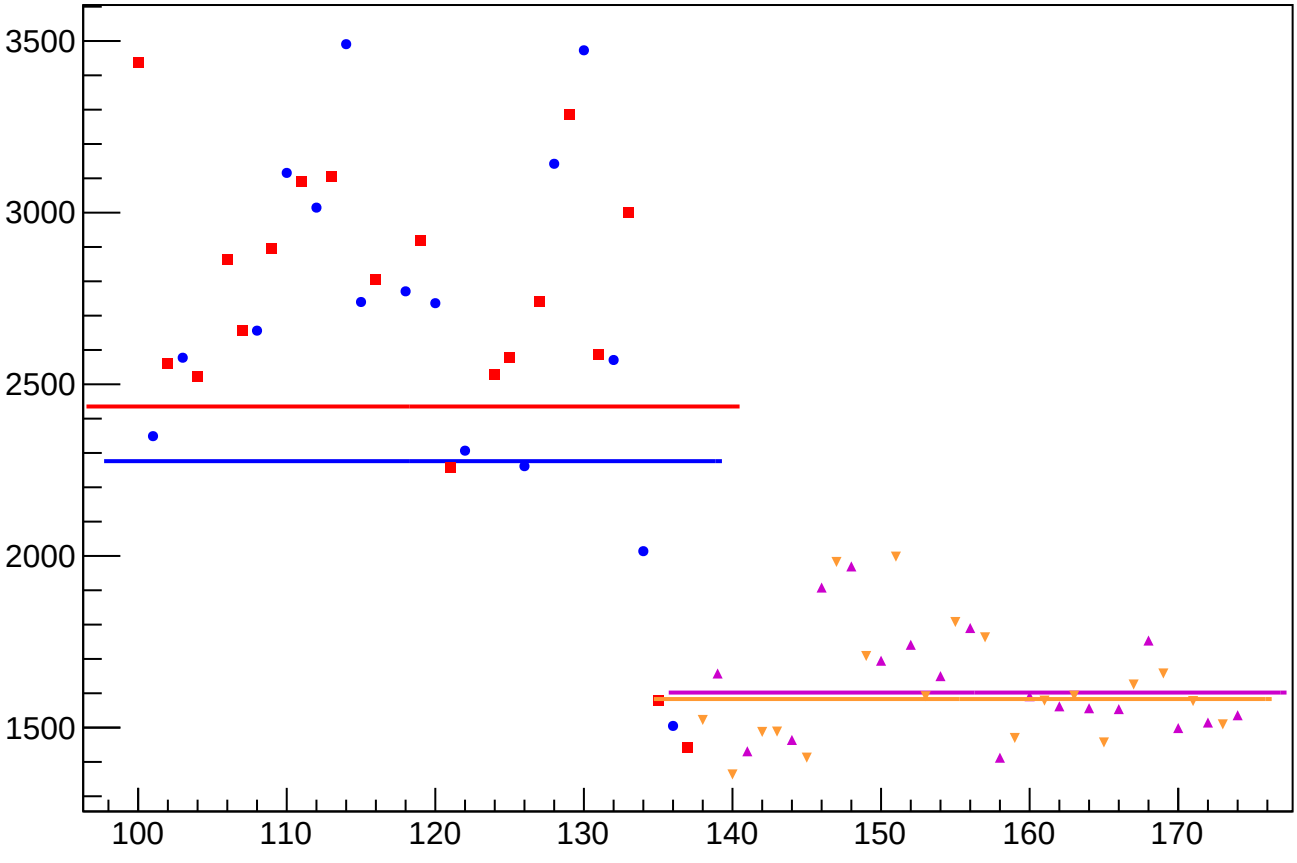
Left In: -135.649+/-417.809 χ^2/NDF:30.9/17

+ sign -1120.588+/-372.445 χ^2/NDF: 50.6/34

All: -668.644+/-266.004 χ^2/NDF: 99.4/71

- 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: 1583.171+/-0.291 χ^2/NDF:297399.5/18

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

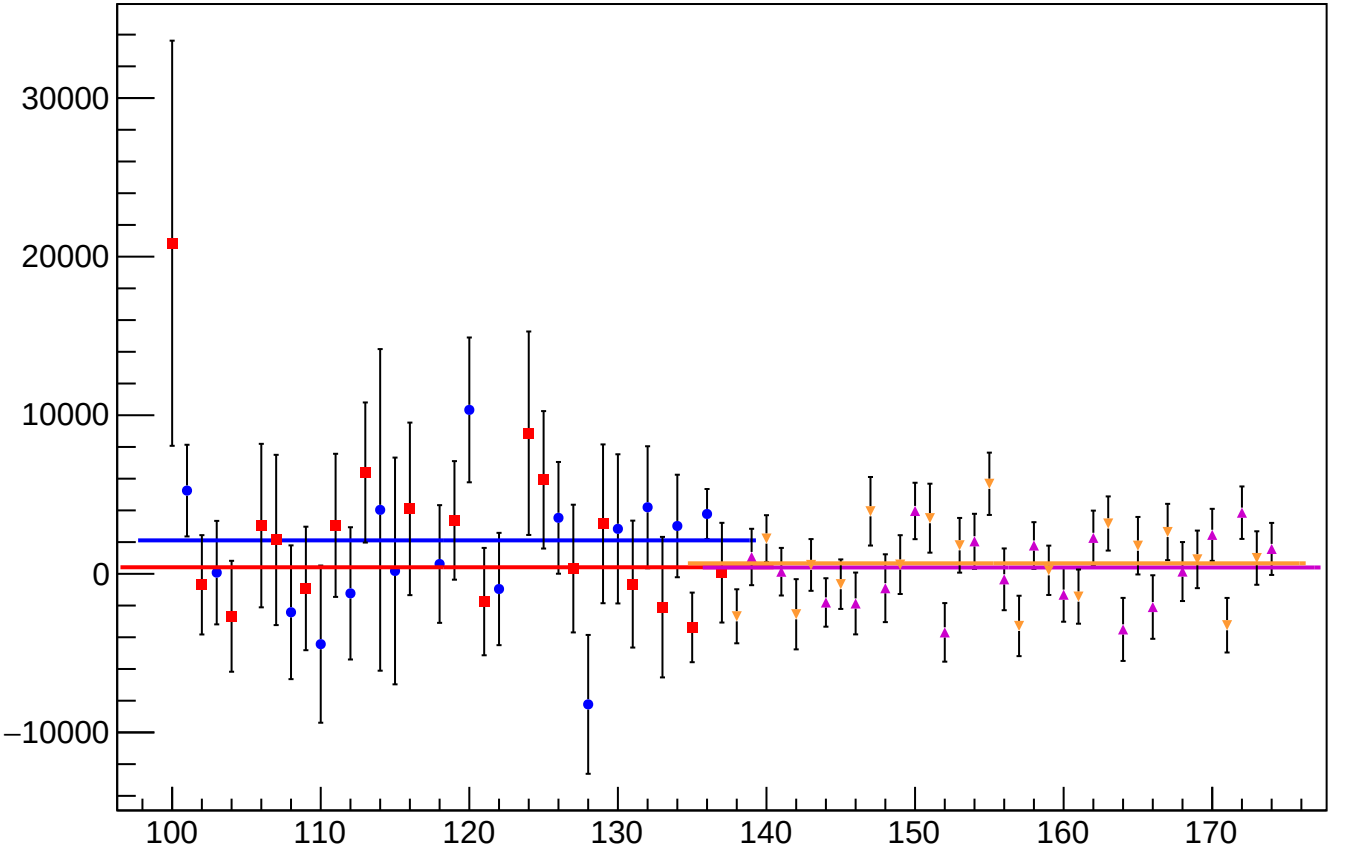
Left In: 1602.040+/-0.295 χ^2/NDF:247165.1/17

+ sign 1708.261+/-0.263 χ^2/NDF: 2248554.6/34

All: 1726.687+/-0.188 χ^2/NDF: 4670458.0/71

- 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: 663.249+/-405.073 χ^2/NDF:33.6/18

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

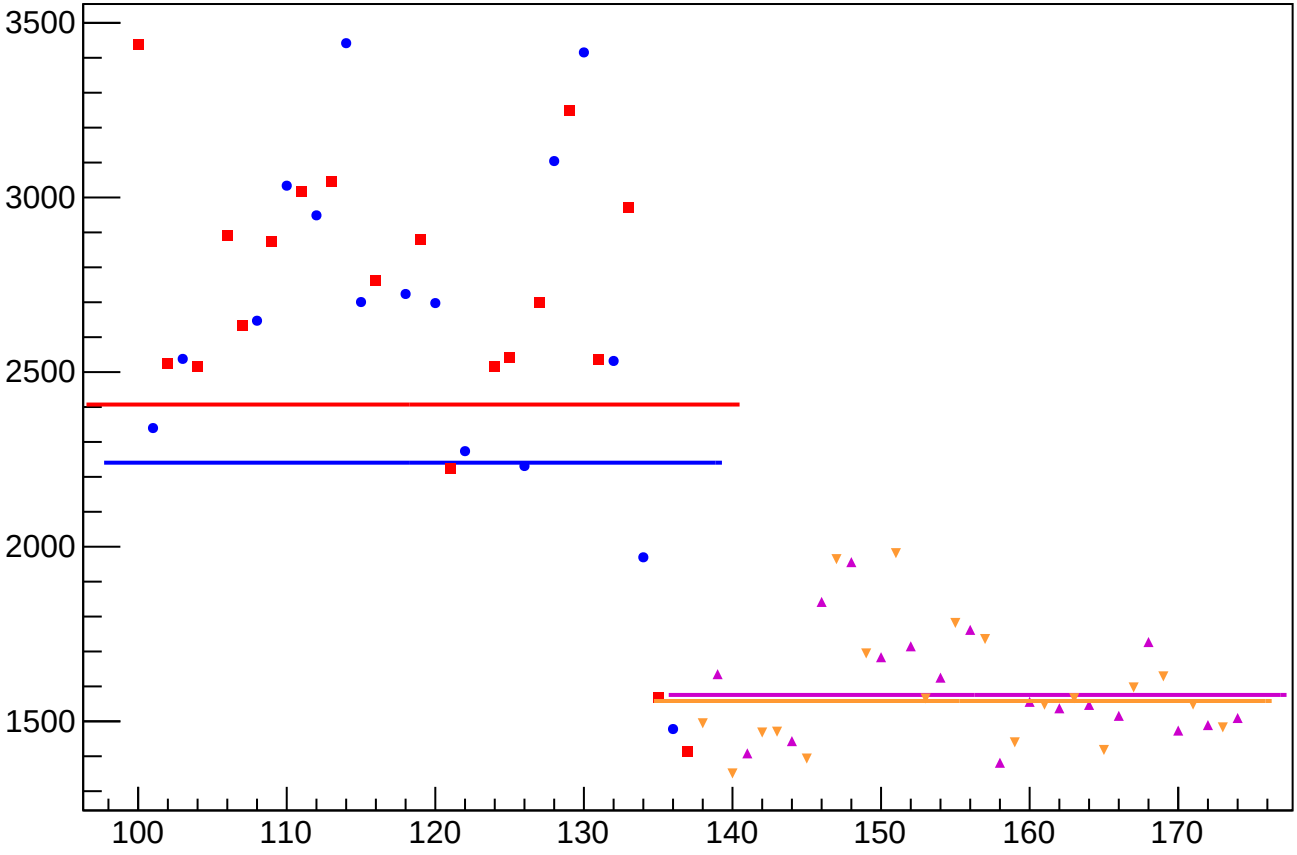
Left In: 400.666+/-410.962 χ^2/NDF:28.9/17

+ sign 924.217+/-366.710 χ^2/NDF: 52.6/34

All: 668.822+/-261.893 χ^2/NDF: 97.1/71

- 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: 1558.249+/-0.286 χ^2/NDF:305967.6/18

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

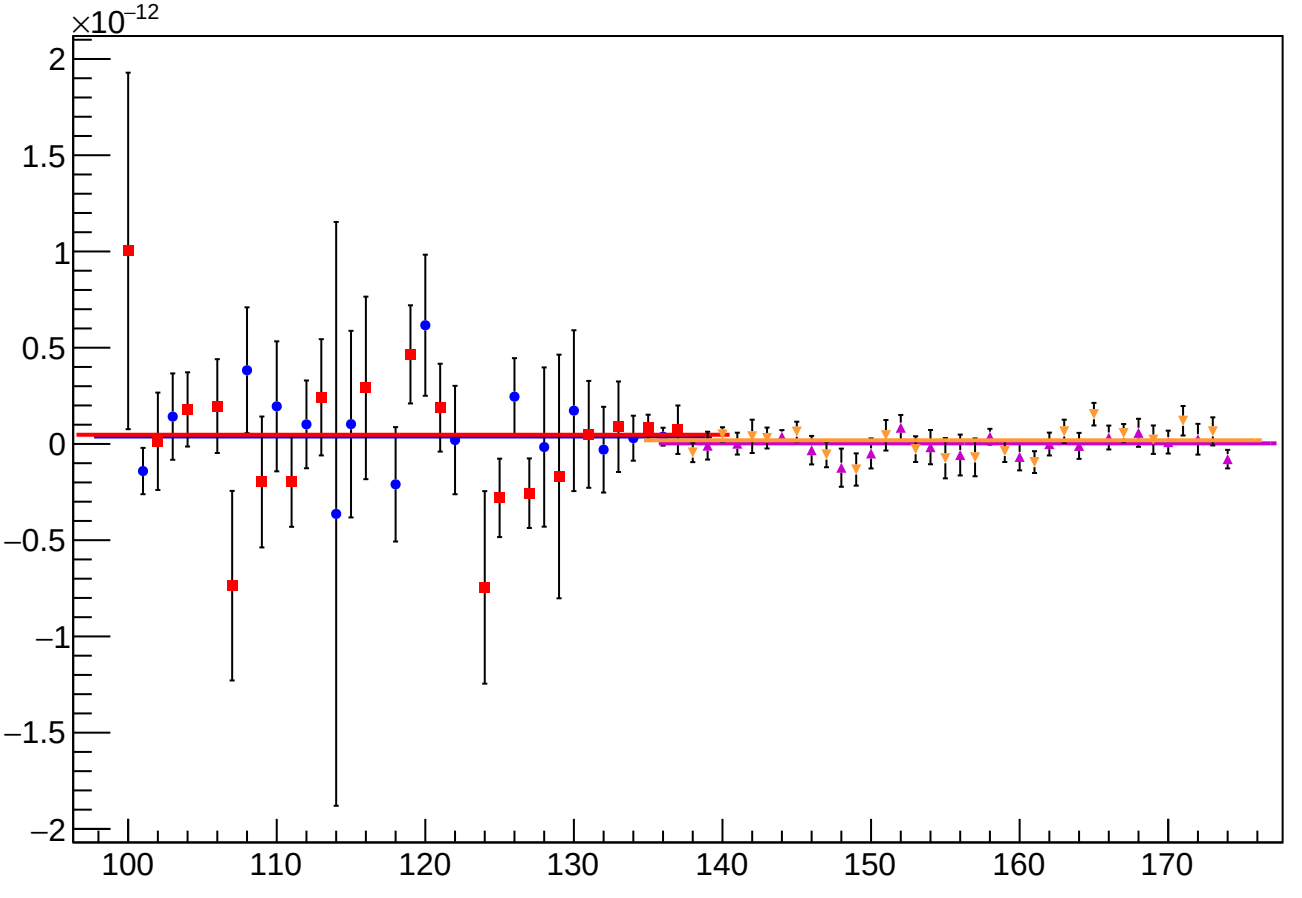
Left In: 1575.606+/-0.291 χ^2/NDF:249332.3/17

+ sign 1681.377+/-0.259 χ^2/NDF: 2263666.7/34

All: 1699.277+/-0.185 χ^2/NDF: 4712966.9/71

- 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:23.5/18

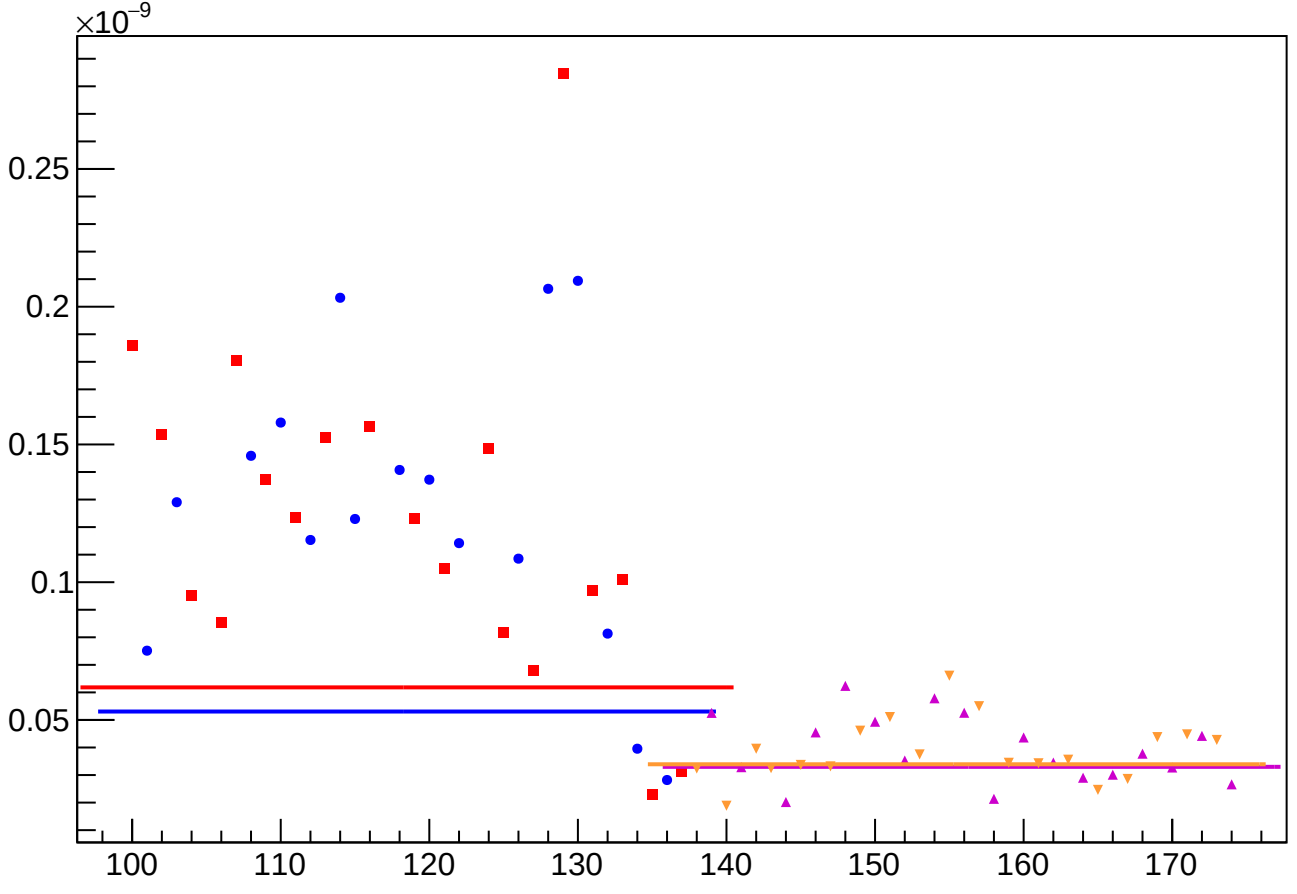
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 32.2/34

All: 0.000+/-0.000 χ^2/NDF: 62.7/71

- 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:939303.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

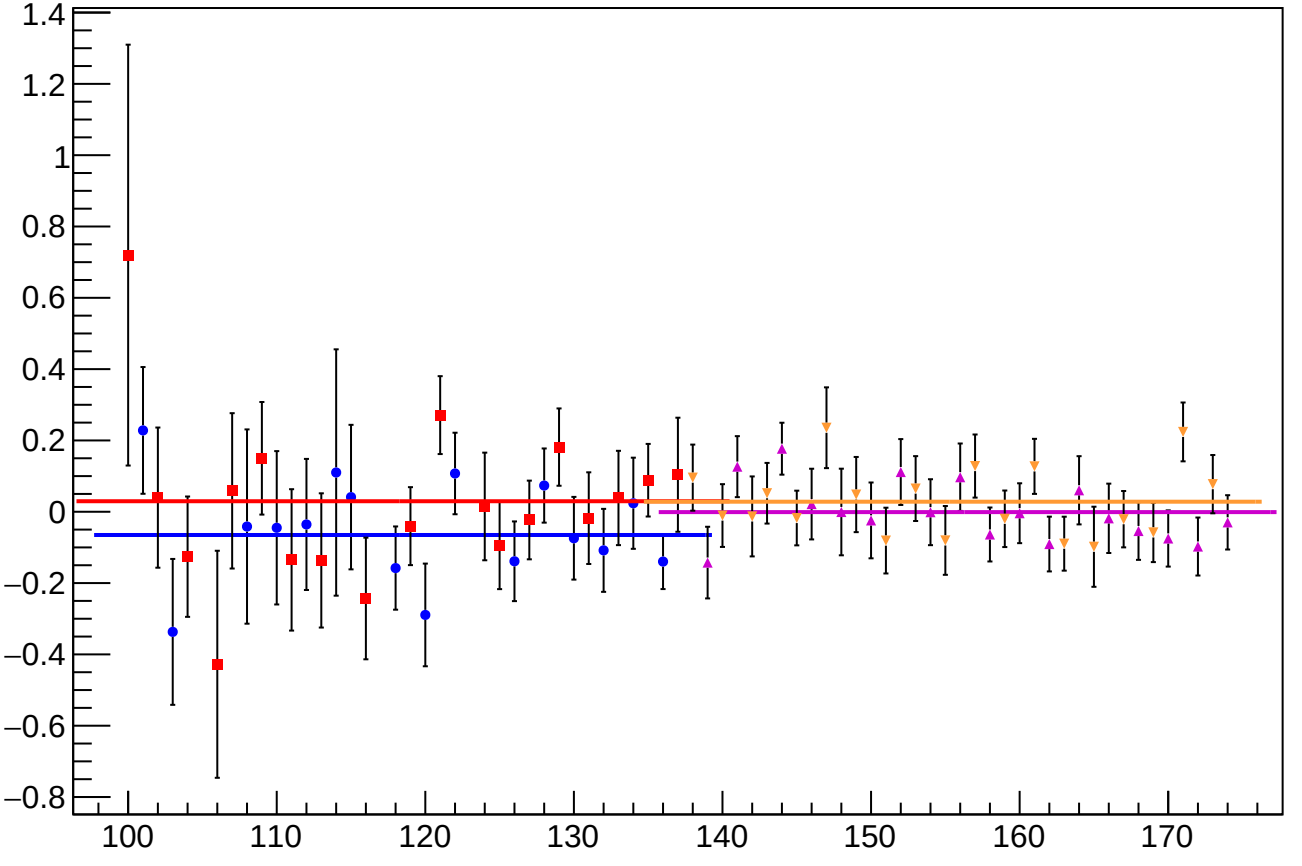
Left In: 0.000+/-0.000 χ^2/NDF:1278871.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 3998545.3/34

All: 0.000+/-0.000 χ^2/NDF: 8493873.6/71

- 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: 0.028+/-0.020 χ^2/NDF:21.9/18

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

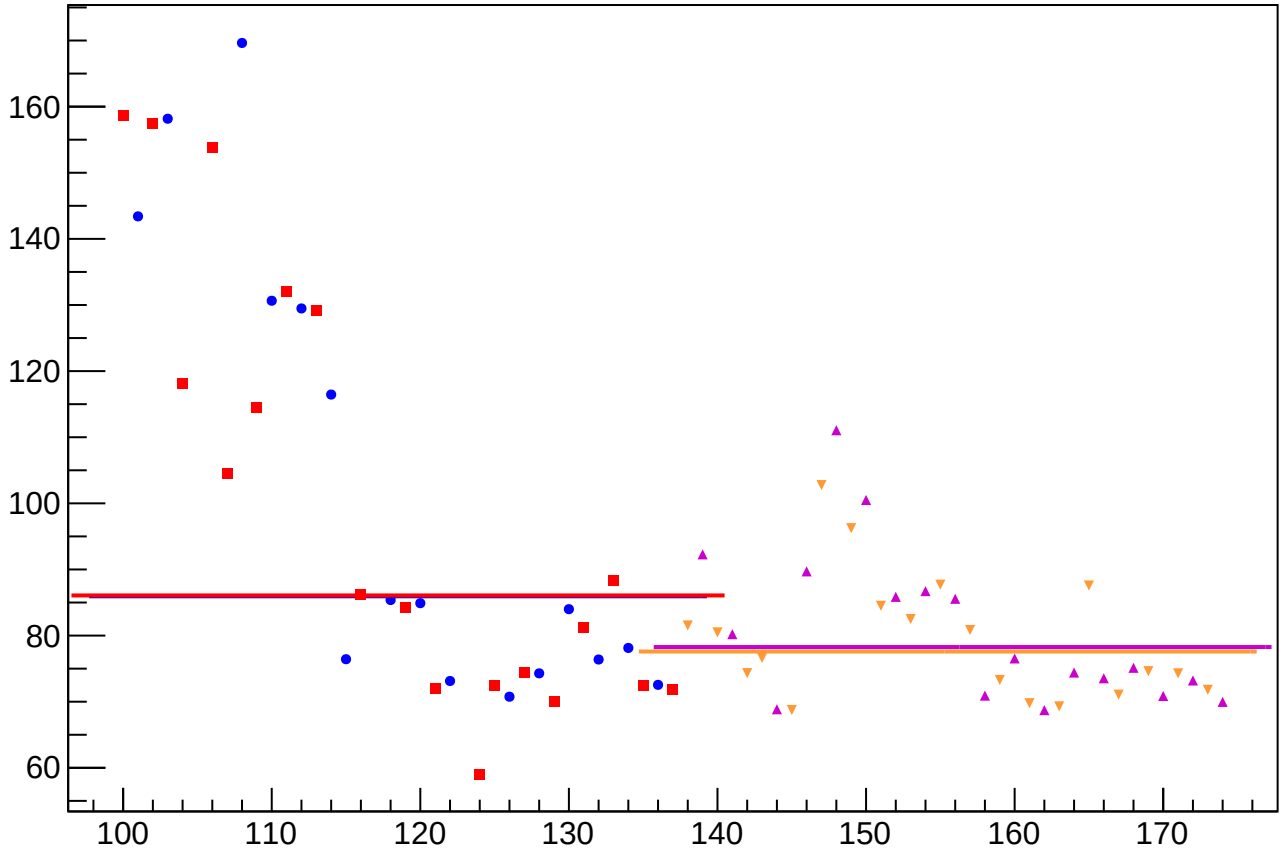
Left In: -0.001+/-0.021 χ^2/NDF:18.2/17

+ sign 0.003+/-0.017 χ^2/NDF: 41.9/34

All: 0.005+/-0.012 χ^2/NDF: 78.8/71

- 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: 77.590+/-0.014 χ^2/NDF:333200.4/18

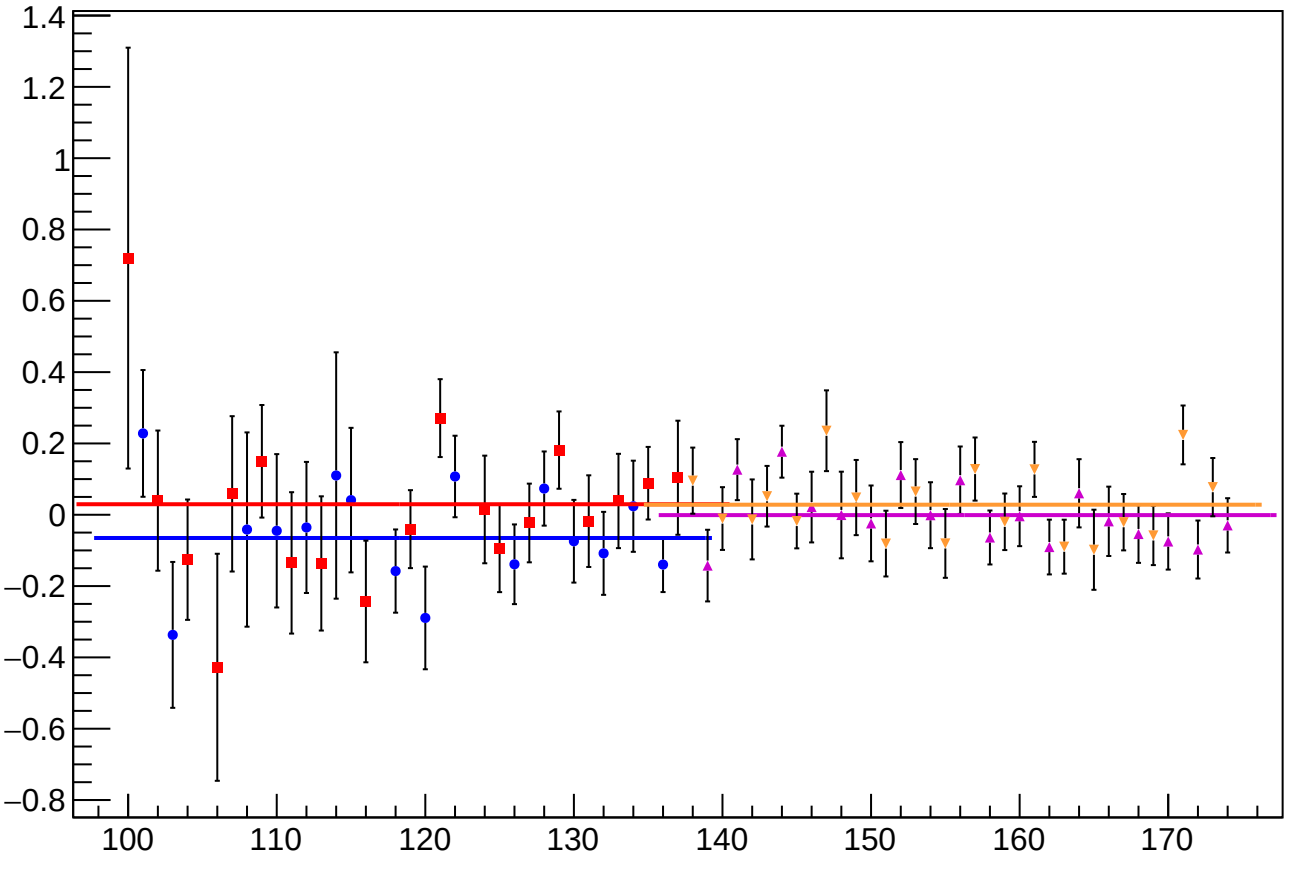
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.269+/-0.015 χ^2/NDF:486150.9/17

+ sign 79.833+/-0.012 χ^2/NDF: 1460276.6/34

All: 80.140+/-0.009 χ^2/NDF: 3019792.4/71

- sign 80.454+/-0.012 χ^2/NDF: 1558234.4/36



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.020 χ^2/NDF:21.9/18

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

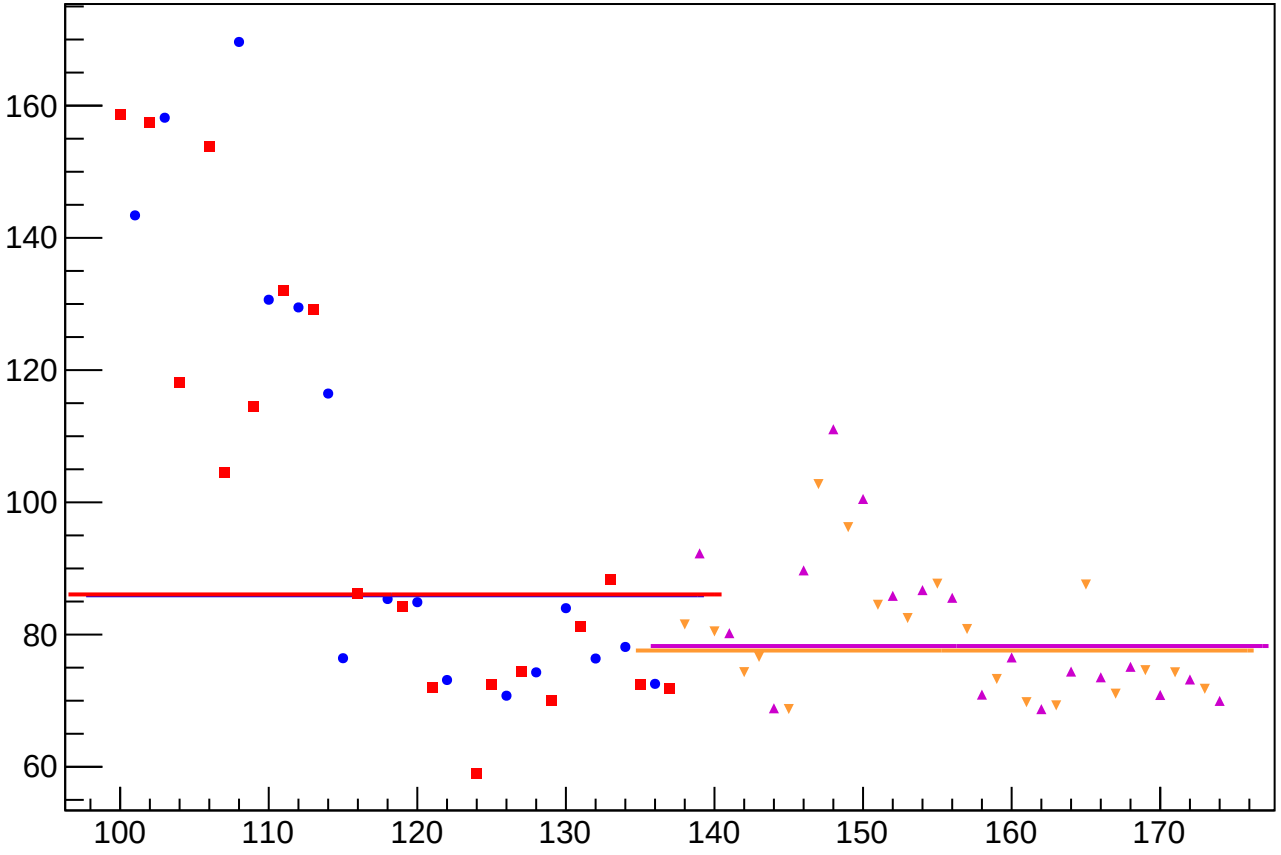
Left In: -0.001+/-0.021 χ^2/NDF:18.2/17

+ sign 0.003+/-0.017 χ^2/NDF: 41.9/34

All: 0.005+/-0.012 χ^2/NDF: 78.8/71

- sign 0.008+/-0.017 χ^2/NDF: 36.9/36

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.590+/-0.014 χ^2/NDF:333200.4/18

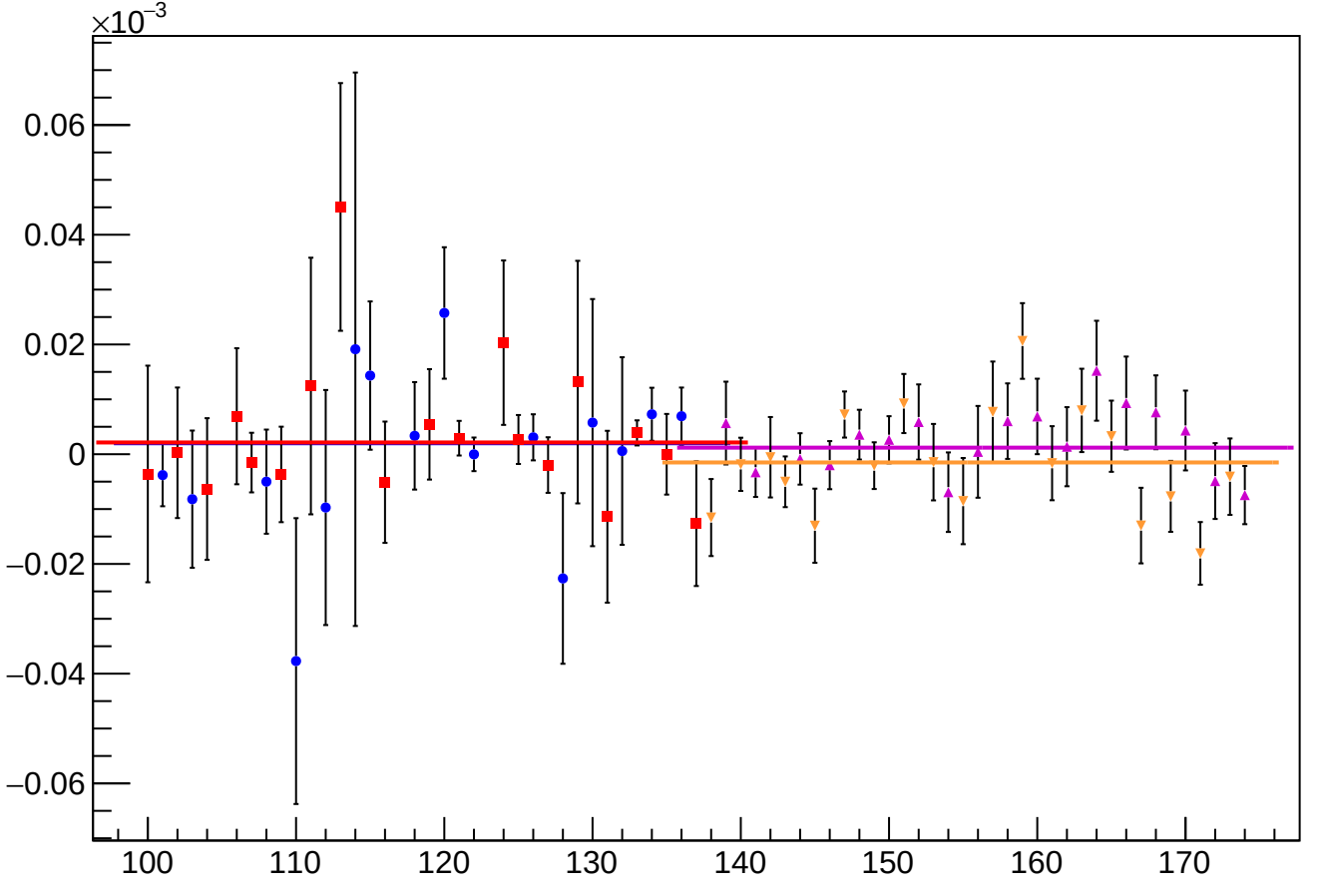
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.269+/-0.015 χ^2/NDF:486150.9/17

+ sign 79.833+/-0.012 χ^2/NDF: 1460276.6/34

All: 80.140+/-0.009 χ^2/NDF: 3019792.4/71

- 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:40.3/18

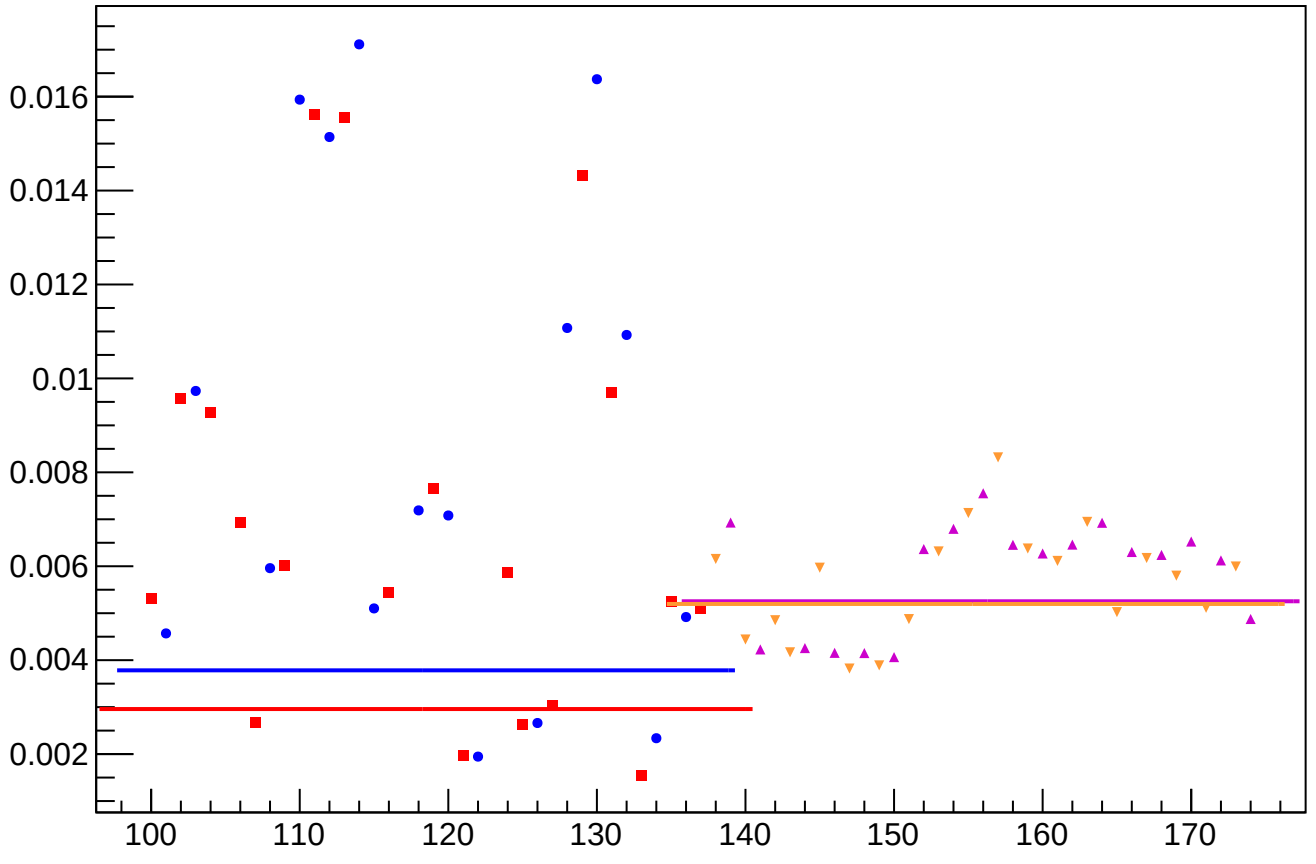
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 57.7/34

All: 0.000+/-0.000 χ^2/NDF: 84.2/71

- 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:1317420.7/18

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

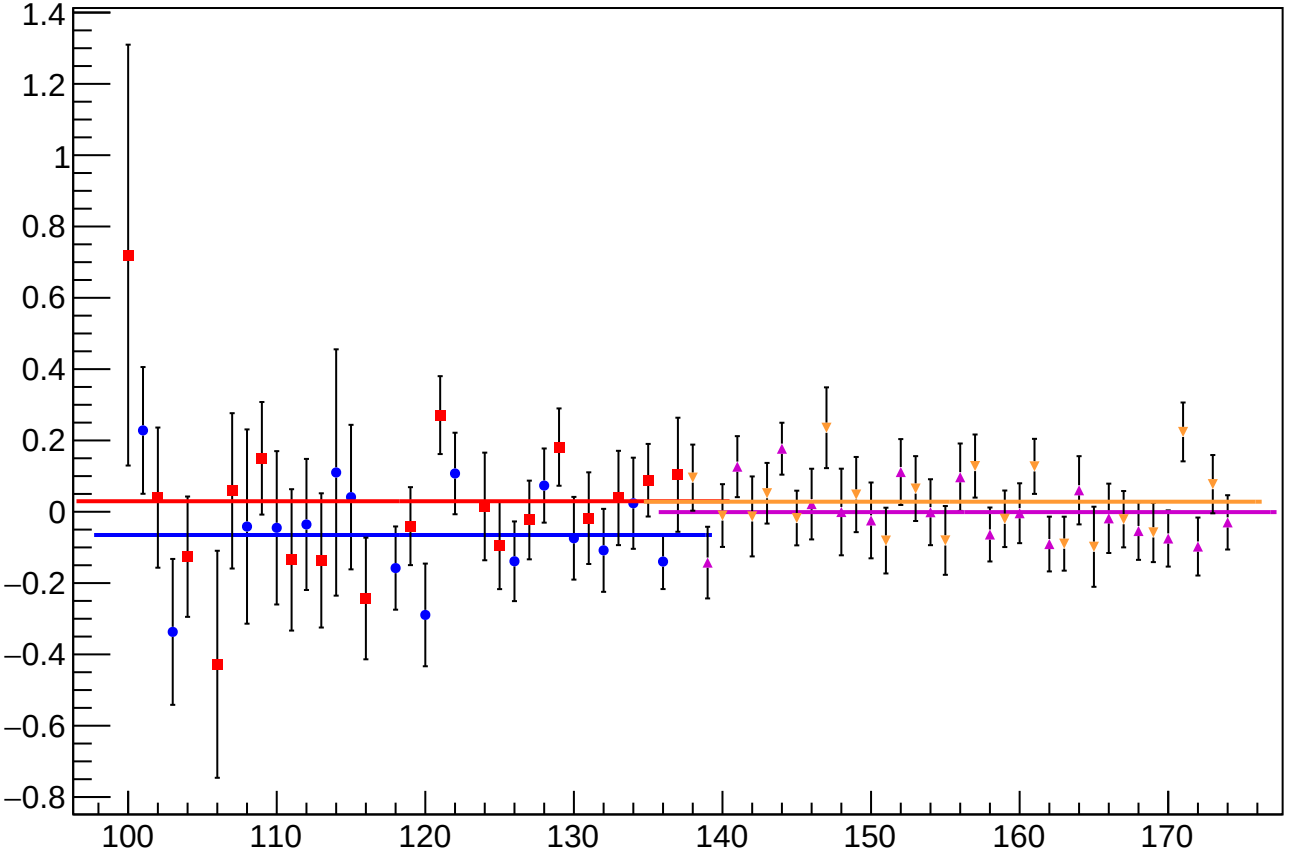
Left In: 0.005+/-0.000 χ^2/NDF:1389275.1/17

+ sign 0.005+/-0.000 χ^2/NDF: 6818097.3/34

All: 0.004+/-0.000 χ^2/NDF: 16708941.0/71

- 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: 0.028+/-0.020 χ^2/NDF:21.9/18

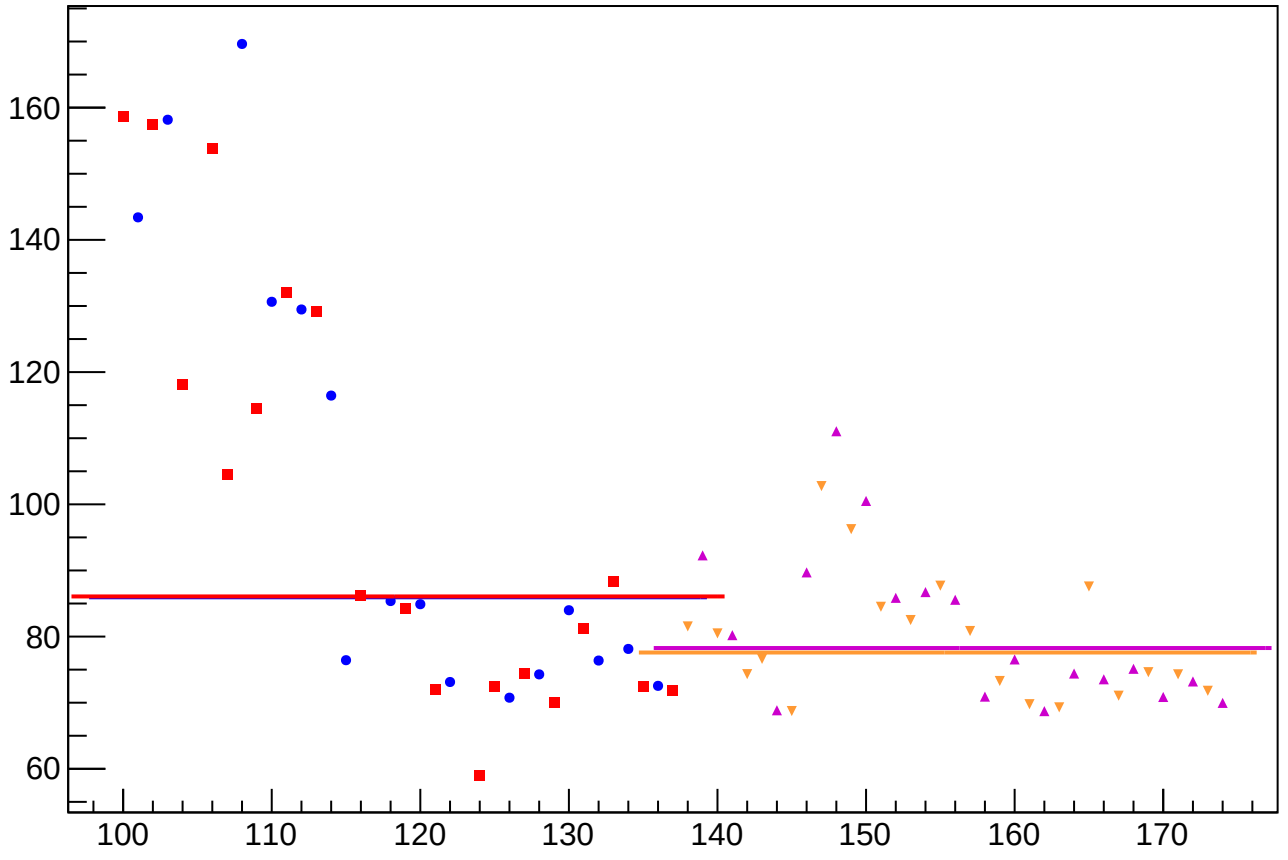
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.001+/-0.021 χ^2/NDF:18.2/17

+ sign 0.003+/-0.017 χ^2/NDF: 41.9/34

All: 0.005+/-0.012 χ^2/NDF: 78.8/71

- 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: 77.590+/-0.014 χ^2/NDF:333240.6/18

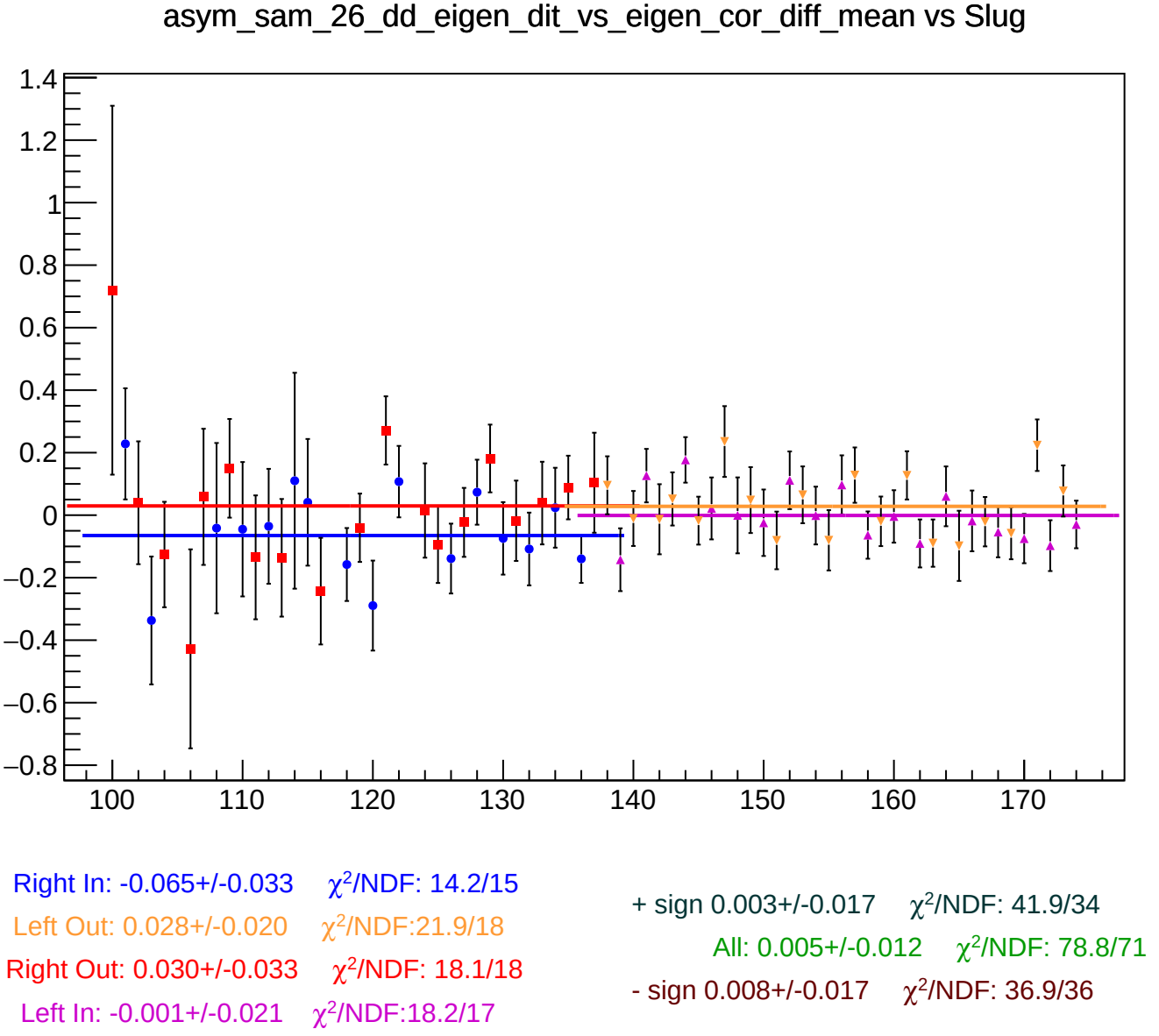
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

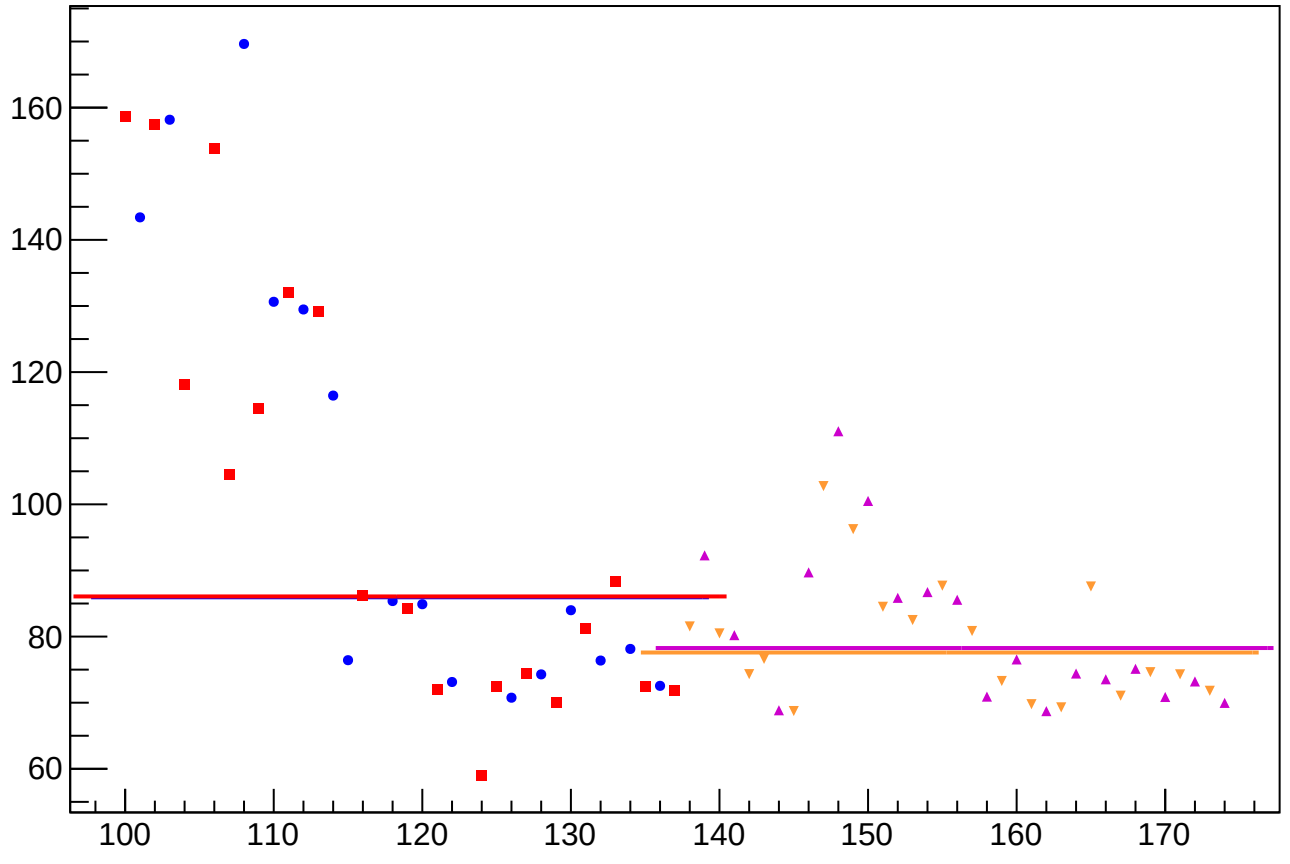
Left In: 78.268+/-0.015 χ^2/NDF:486189.4/17

+ sign 79.832+/-0.012 χ^2/NDF: 1460259.6/34

All: 80.139+/-0.009 χ^2/NDF: 3019781.7/71

- 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: 0.028+/-0.020 χ²/NDF:21.9/18
Right Out: 0.030+/-0.033 χ²/NDF: 18.1/18
Left In: -0.001+/-0.021 χ²/NDF:18.2/17
+ sign 0.003+/-0.017 χ²/NDF: 41.9/34
All: 0.005+/-0.012 χ²/NDF: 78.8/71
- sign 0.008+/-0.017 χ²/NDF: 36.9/36



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.590+/-0.014 χ^2/NDF:333240.6/18

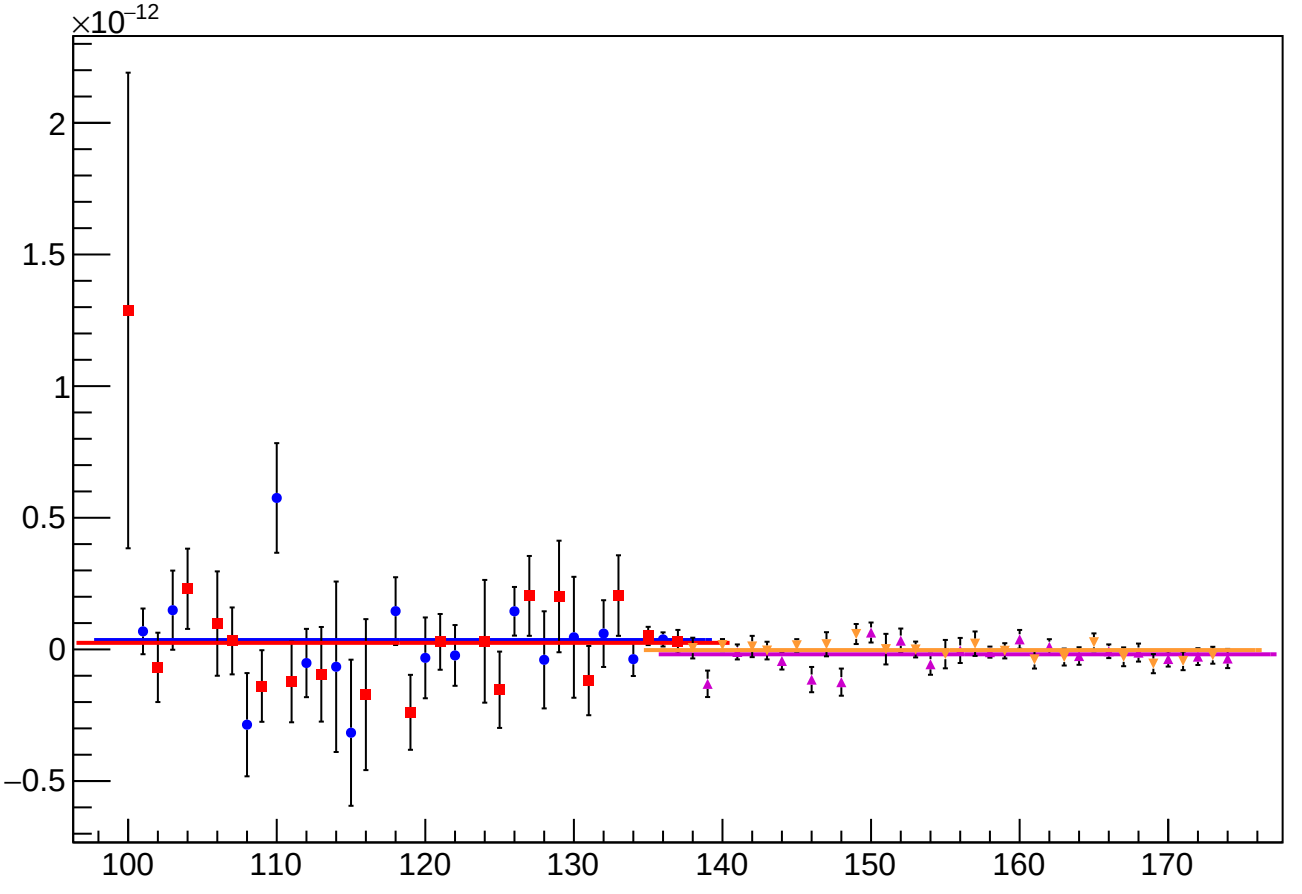
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.268+/-0.015 χ^2/NDF:486189.4/17

+ sign 79.832+/-0.012 χ^2/NDF: 1460259.6/34

All: 80.139+/-0.009 χ^2/NDF: 3019781.7/71

- 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:11.3/18

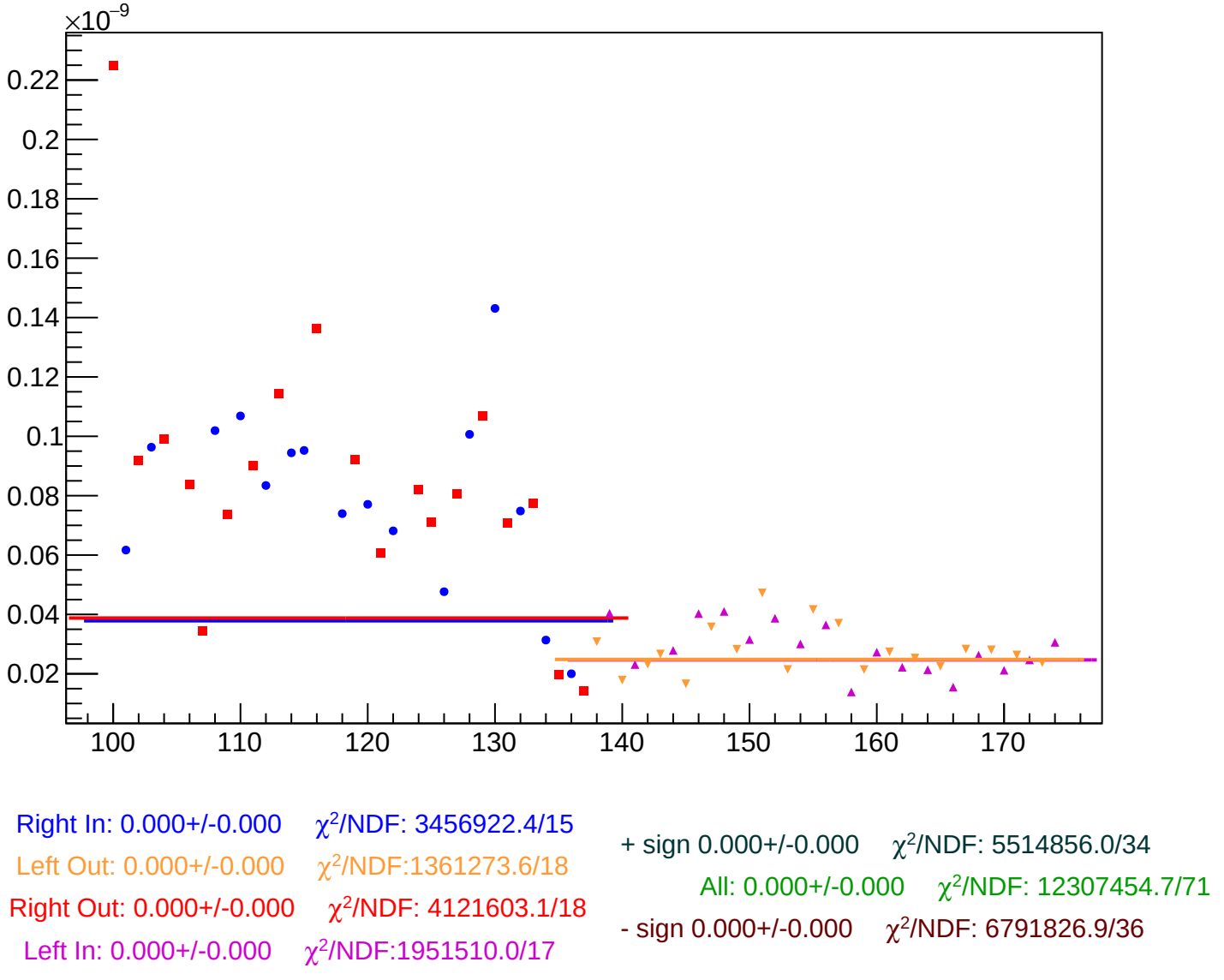
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:25.5/17

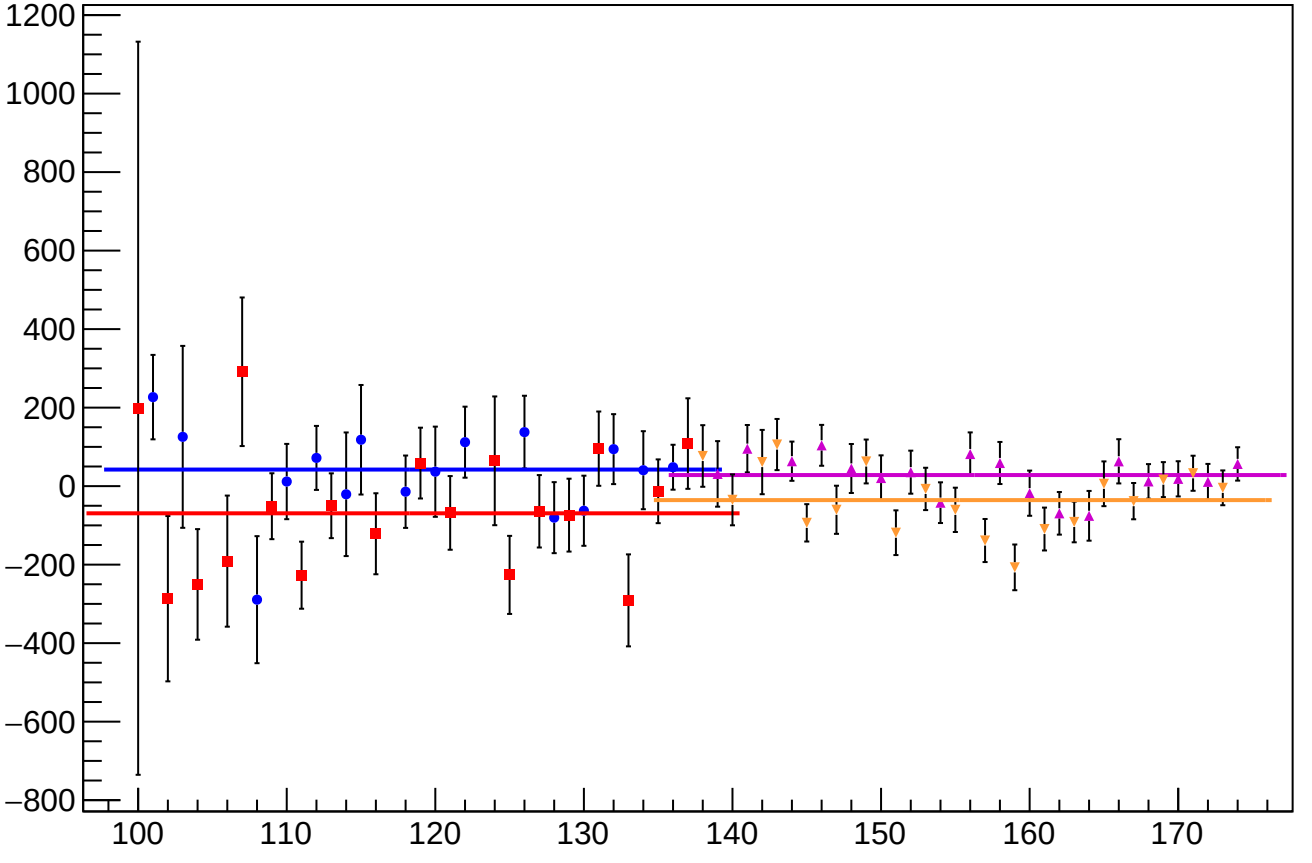
+ sign 0.000+/-0.000 χ^2/NDF: 30.7/34

All: -0.000+/-0.000 χ^2/NDF: 79.8/71

- sign -0.000+/-0.000 χ^2/NDF: 46.8/36


asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^-9
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3456922.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1361273.6/18
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:1951510.0/17
+ sign 0.000+/-0.000 χ²/NDF: 5514856.0/34
All: 0.000+/-0.000 χ²/NDF: 12307454.7/71
- sign 0.000+/-0.000 χ²/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: -35.619+/-12.498 χ^2/NDF:35.4/18

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

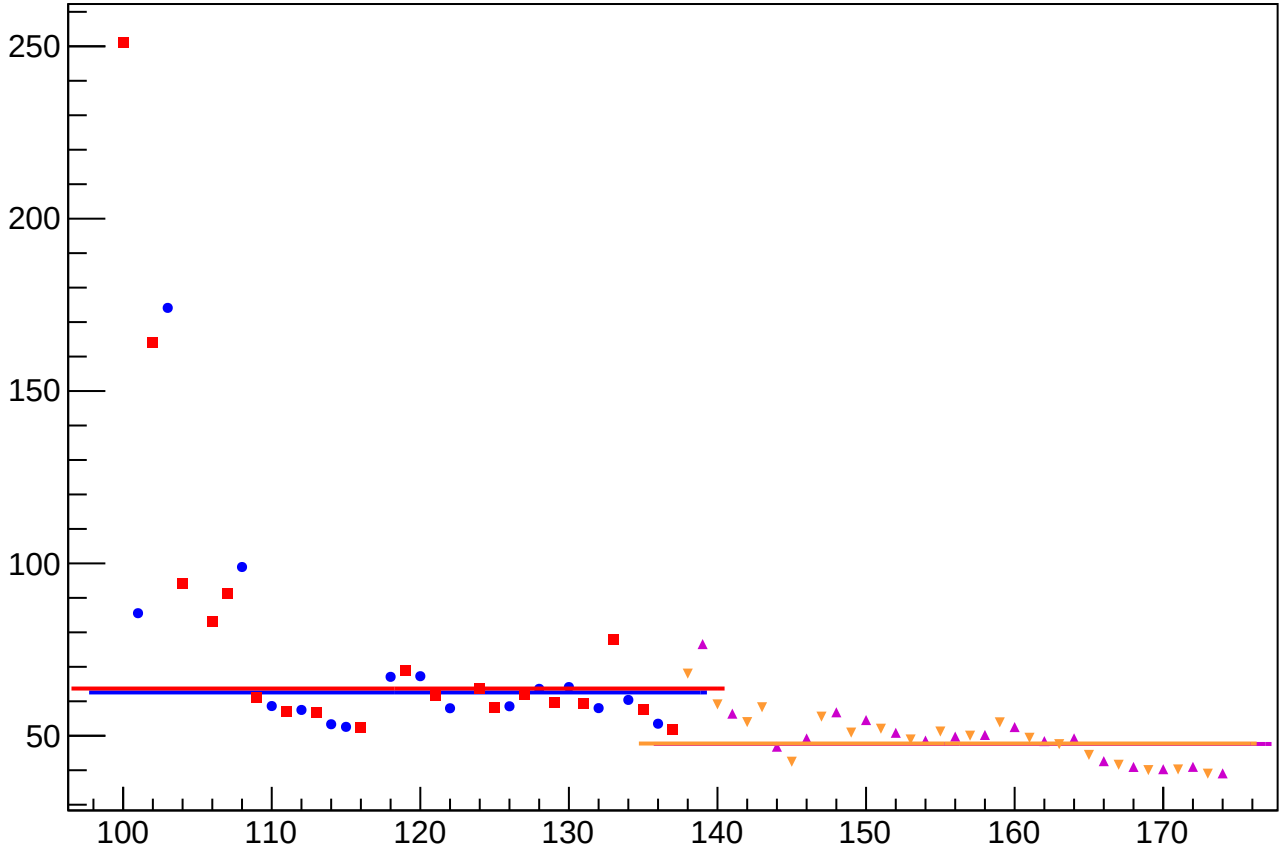
Left In: 28.225+/-12.520 χ^2/NDF:14.8/17

+ sign -19.237+/-11.105 χ^2/NDF: 57.1/34

All: -5.695+/-7.865 χ^2/NDF: 112.9/71

- 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: 47.747+/-0.009 χ^2/NDF:605906.7/18

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

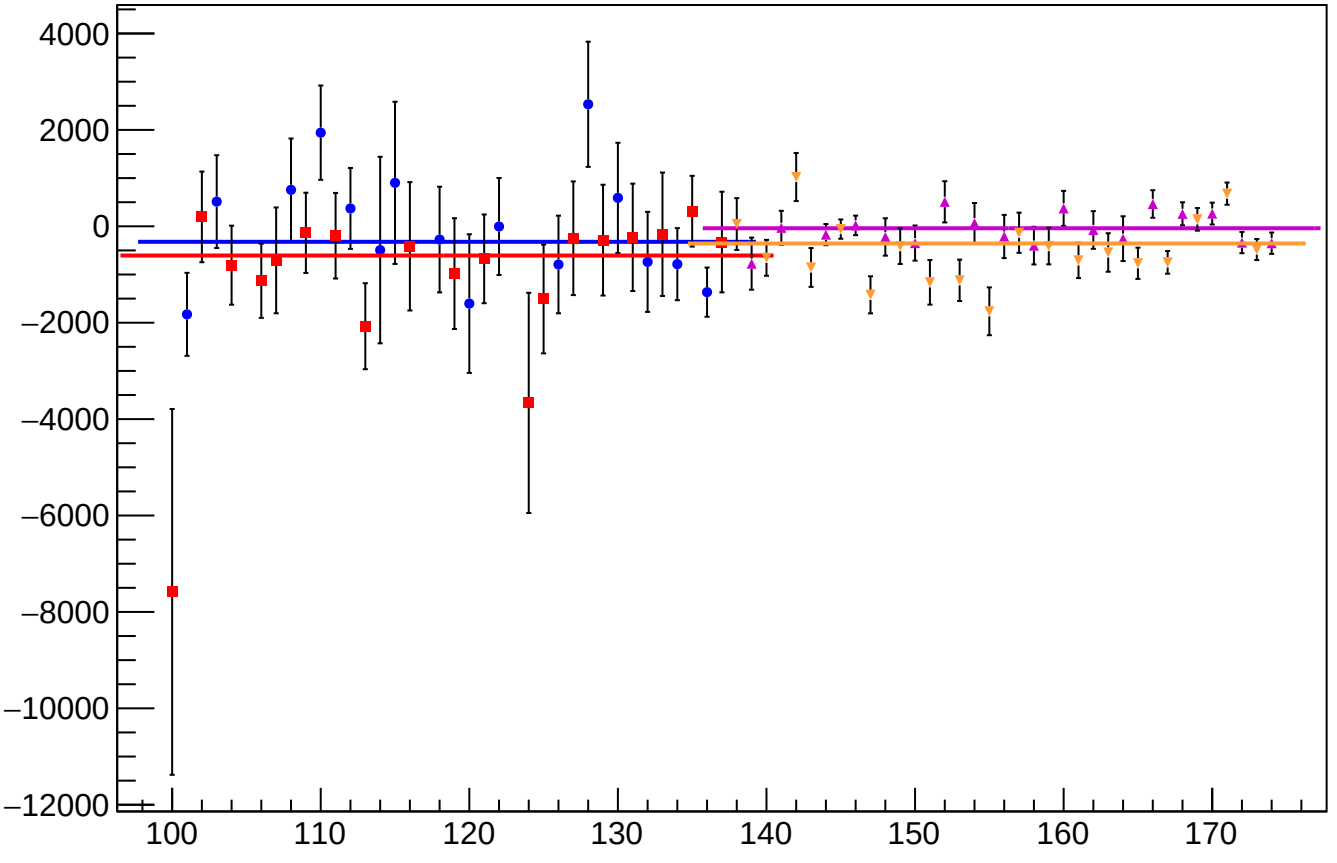
Left In: 47.618+/-0.009 χ^2/NDF:627320.8/17

+ sign 50.865+/-0.008 χ^2/NDF: 1956292.8/34

All: 50.915+/-0.006 χ^2/NDF: 4104777.9/71

- sign 50.965+/-0.008 χ^2/NDF: 2148404.4/36

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -356.281+/-73.330 χ^2/NDF:65.4/18

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

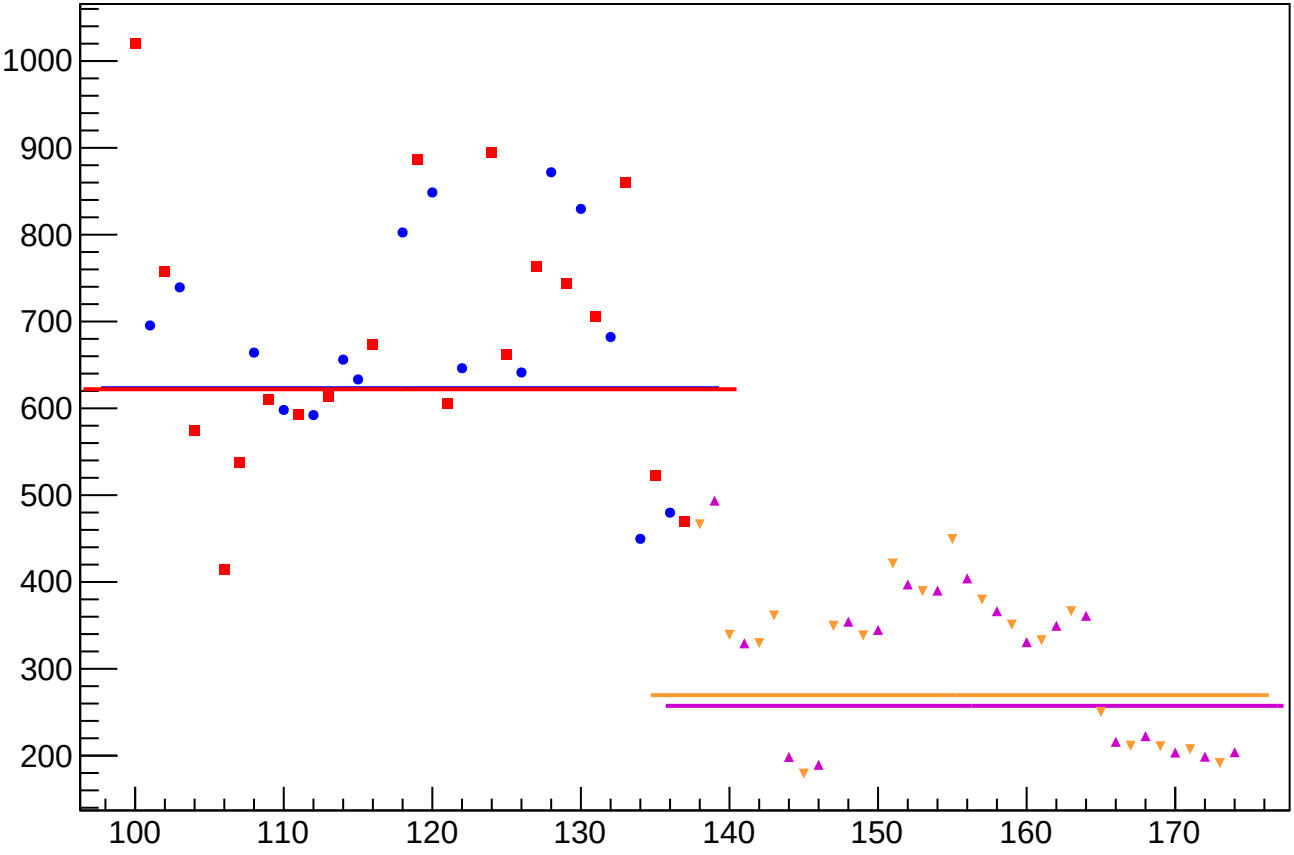
Left In: -40.233+/-70.340 χ^2/NDF:17.7/17

+ sign -353.290+/-70.091 χ^2/NDF: 88.1/34

All: -214.969+/-48.565 χ^2/NDF: 131.1/71

- 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: 269.694+/-0.052 χ^2/NDF:2733287.6/18

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

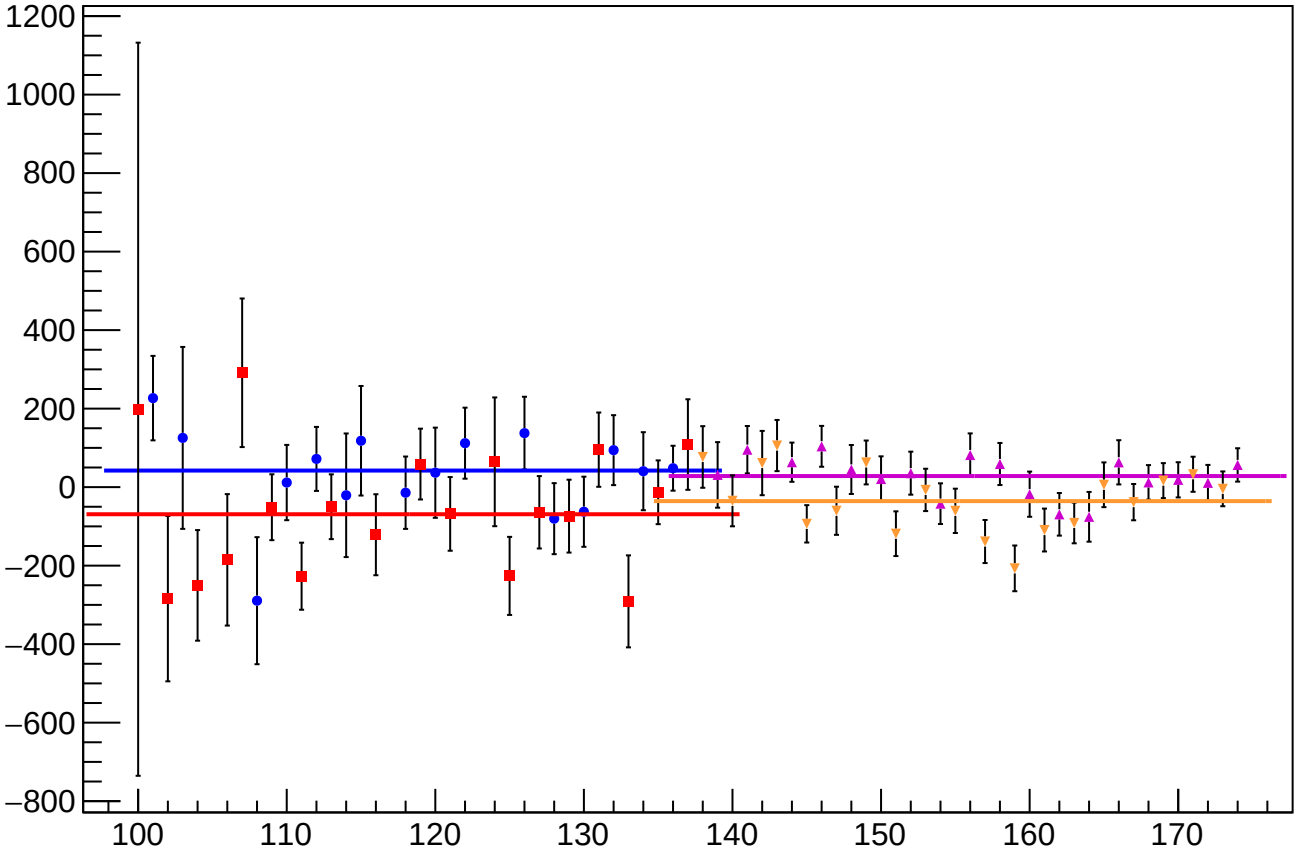
Left In: 257.345+/-0.050 χ^2/NDF:2605187.8/17

+ sign 300.228+/-0.050 χ^2/NDF: 7313297.1/34

All: 293.687+/-0.034 χ^2/NDF: 15000883.2/71

- 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: -35.617+/-12.498 χ^2/NDF:35.4/18

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

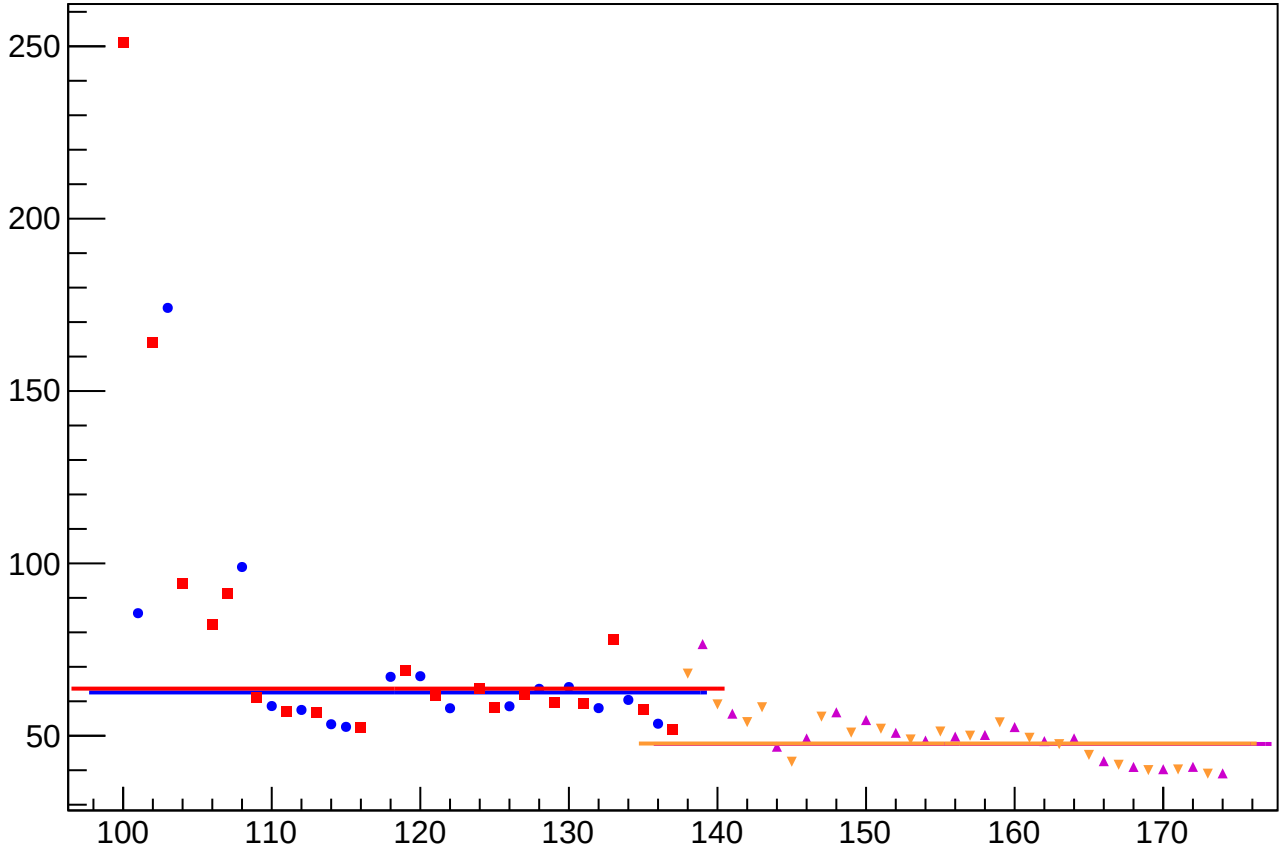
Left In: 28.223+/-12.520 χ^2/NDF:14.8/17

+ sign -19.237+/-11.105 χ^2/NDF: 57.1/34

All: -5.676+/-7.865 χ^2/NDF: 112.8/71

- 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: 47.747+/-0.009 χ^2/NDF:605906.6/18

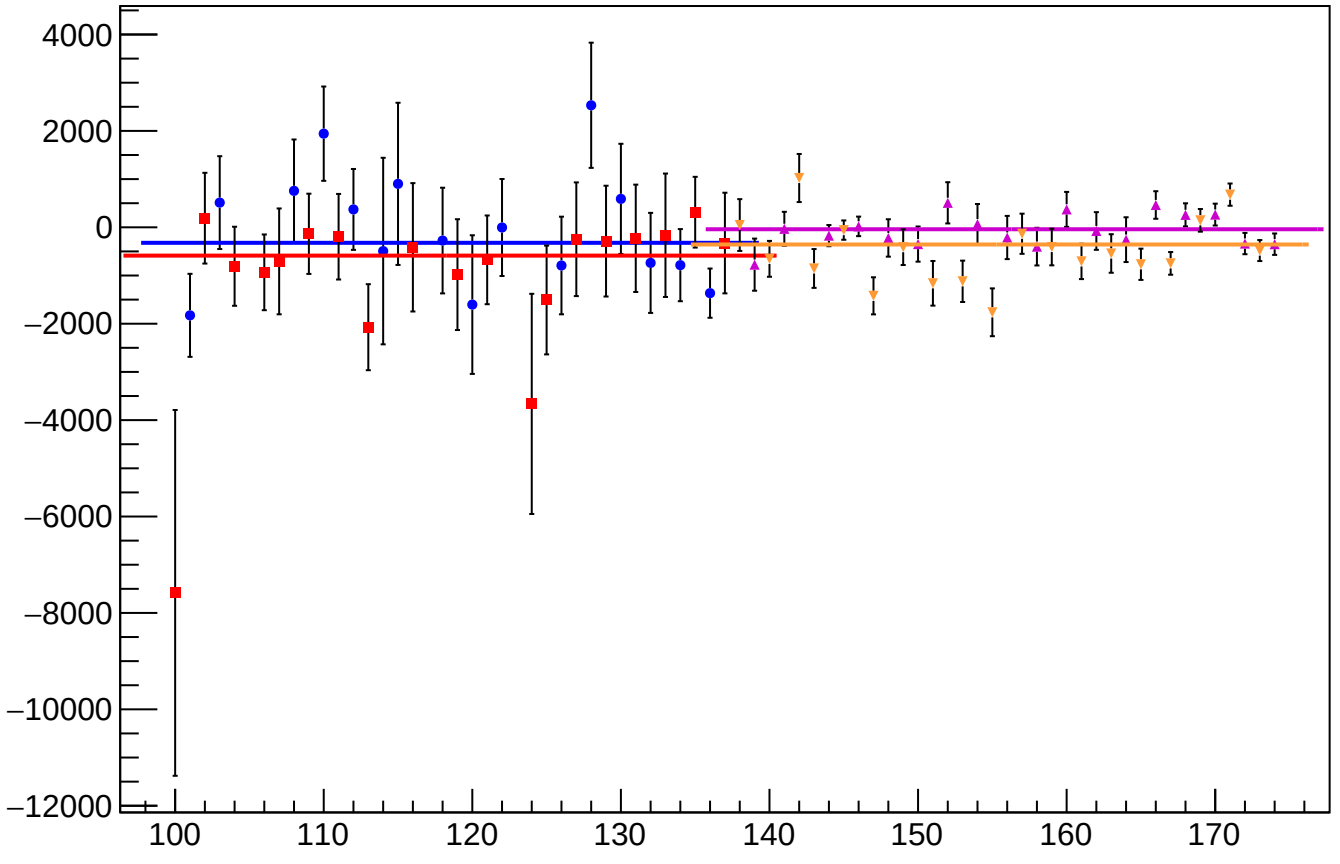
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.618+/-0.009 χ^2/NDF:627320.8/17

+ sign 50.865+/-0.008 χ^2/NDF: 1956294.5/34

All: 50.912+/-0.006 χ^2/NDF: 4099897.0/71

- 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: -356.276+/-73.330 χ^2/NDF:65.4/18

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

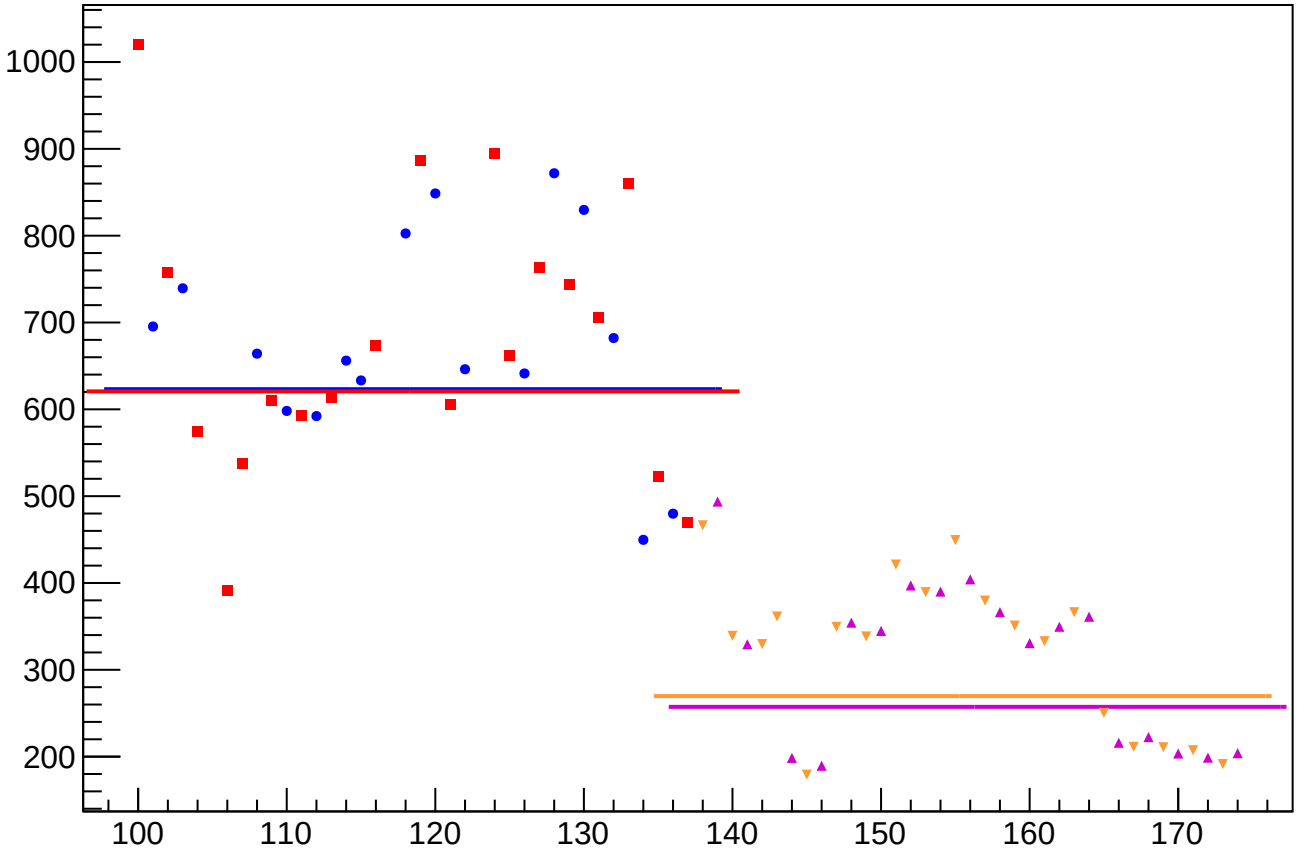
Left In: -40.237+/-70.340 χ^2/NDF:17.7/17

+ sign -353.286+/-70.091 χ^2/NDF: 88.1/34

All: -214.103+/-48.569 χ^2/NDF: 130.5/71

- 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: 269.694+/-0.052 χ^2/NDF:2733293.4/18

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

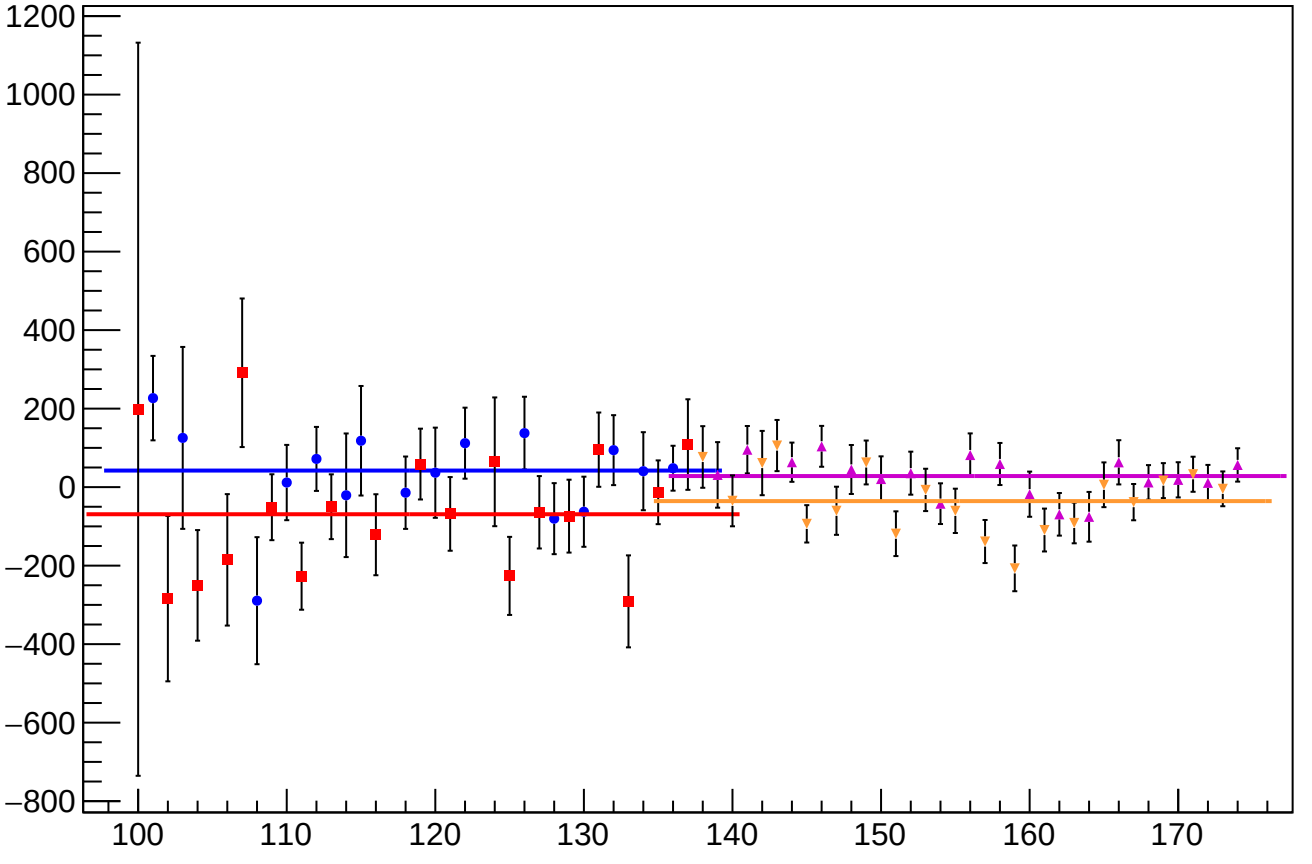
Left In: 257.345+/-0.050 χ^2/NDF:2605182.5/17

+ sign 300.228+/-0.050 χ^2/NDF: 7313360.4/34

All: 293.578+/-0.034 χ^2/NDF: 14982998.2/71

- 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: -35.617+/-12.498 χ^2/NDF:35.4/18

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

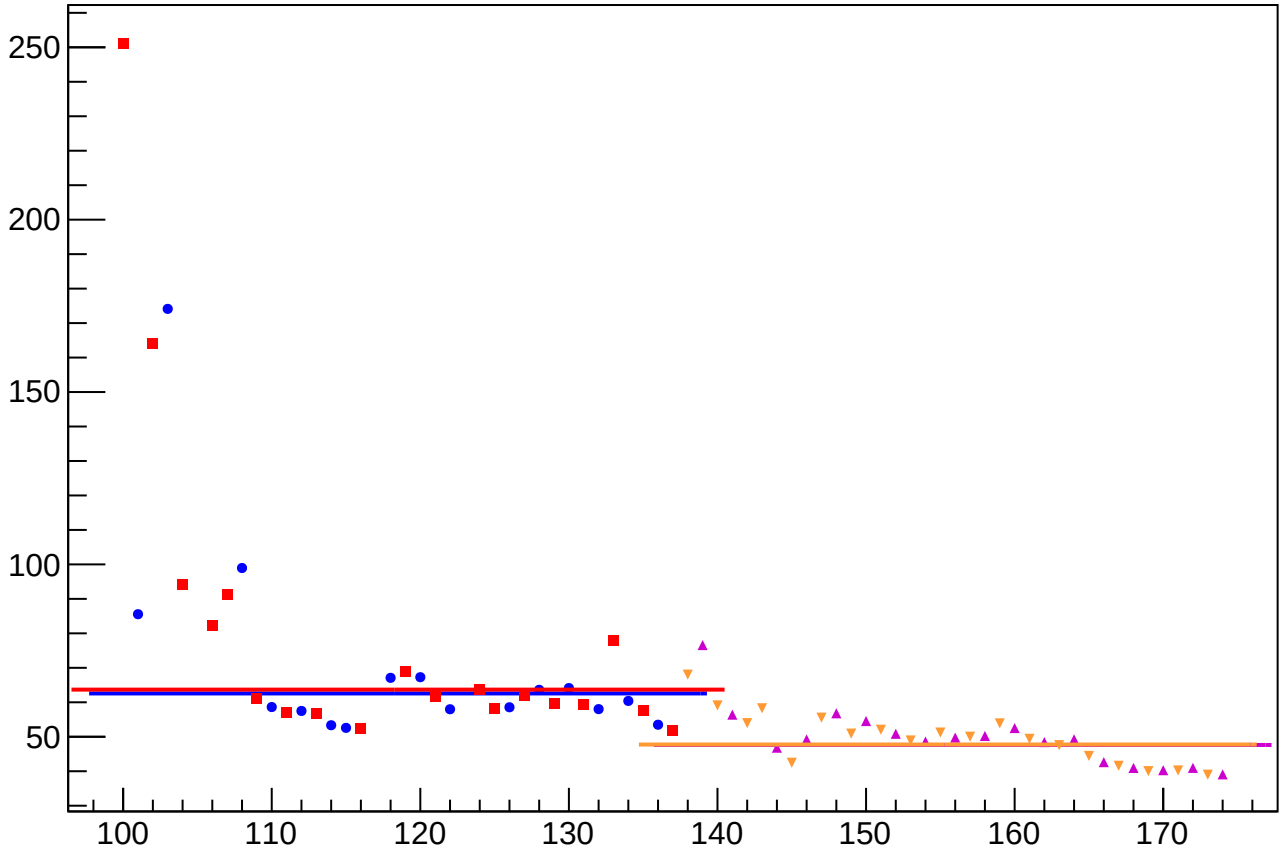
Left In: 28.223+/-12.520 χ^2/NDF:14.8/17

+ sign -19.237+/-11.105 χ^2/NDF: 57.1/34

All: -5.676+/-7.865 χ^2/NDF: 112.8/71

- 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: 47.747+/-0.009 χ^2/NDF:605906.6/18

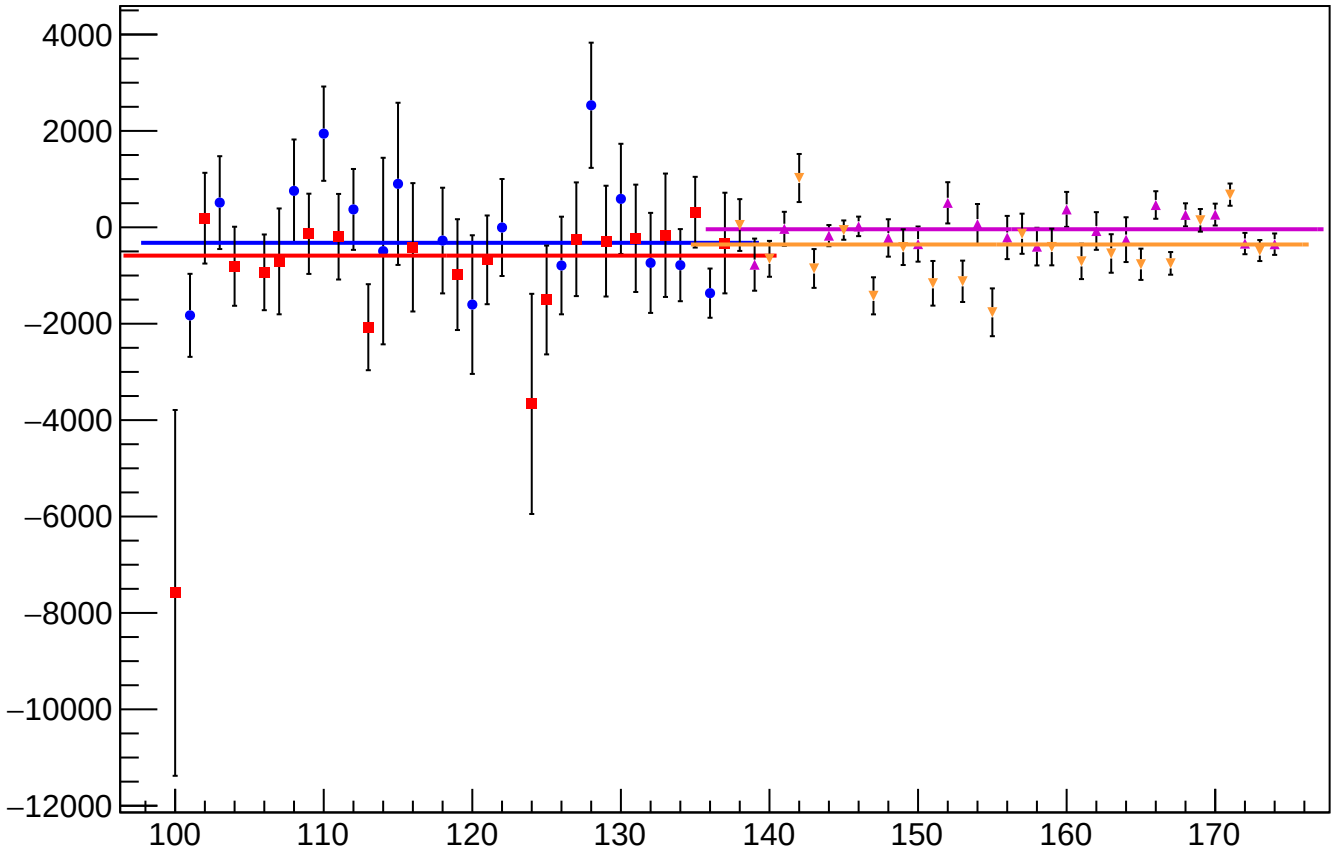
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.618+/-0.009 χ^2/NDF:627320.8/17

+ sign 50.865+/-0.008 χ^2/NDF: 1956294.5/34

All: 50.912+/-0.006 χ^2/NDF: 4099897.0/71

- 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: -356.276+/-73.330 χ^2/NDF:65.4/18

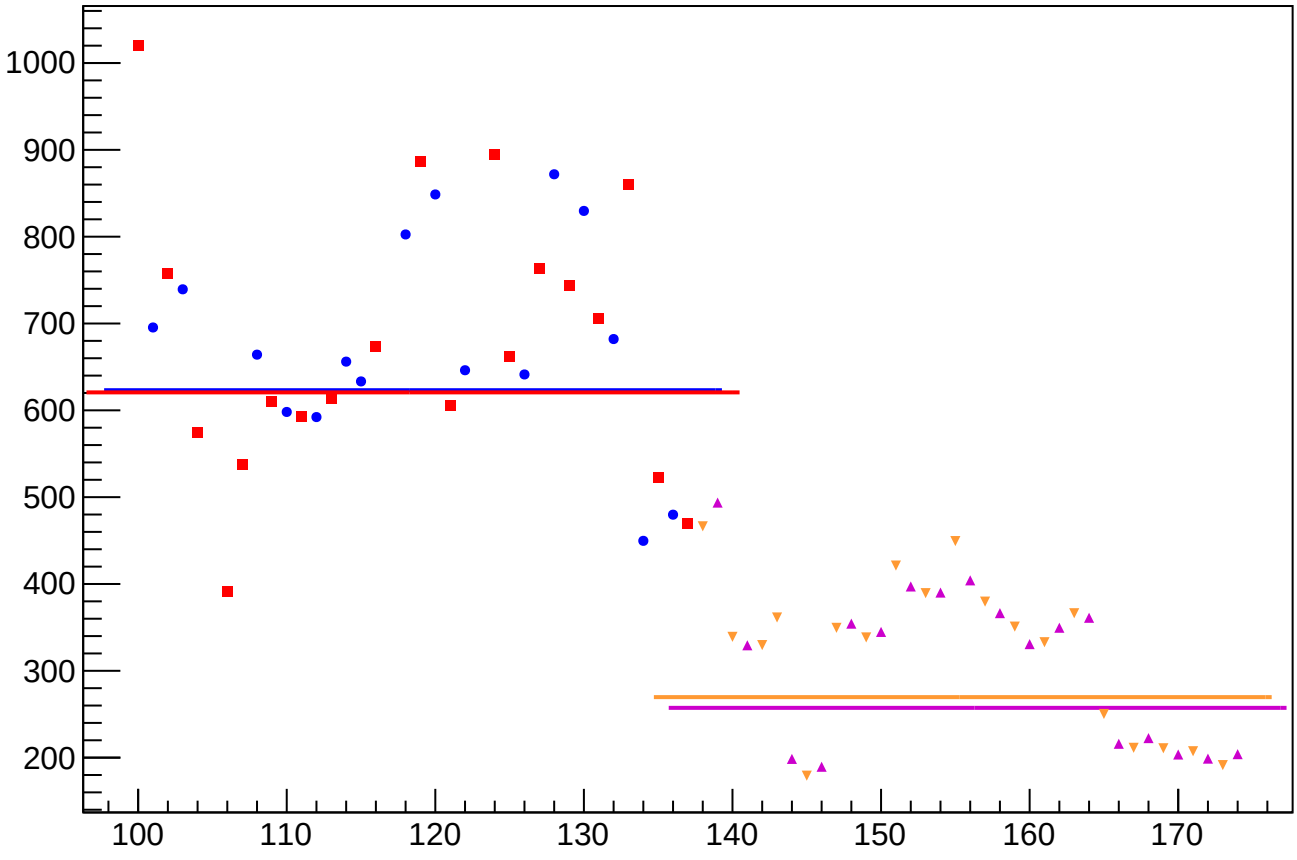
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -40.237+/-70.340 χ^2/NDF:17.7/17

+ sign -353.286+/-70.091 χ^2/NDF: 88.1/34

All: -214.103+/-48.569 χ^2/NDF: 130.5/71

- 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: 269.694+/-0.052 χ^2/NDF:2733293.4/18

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

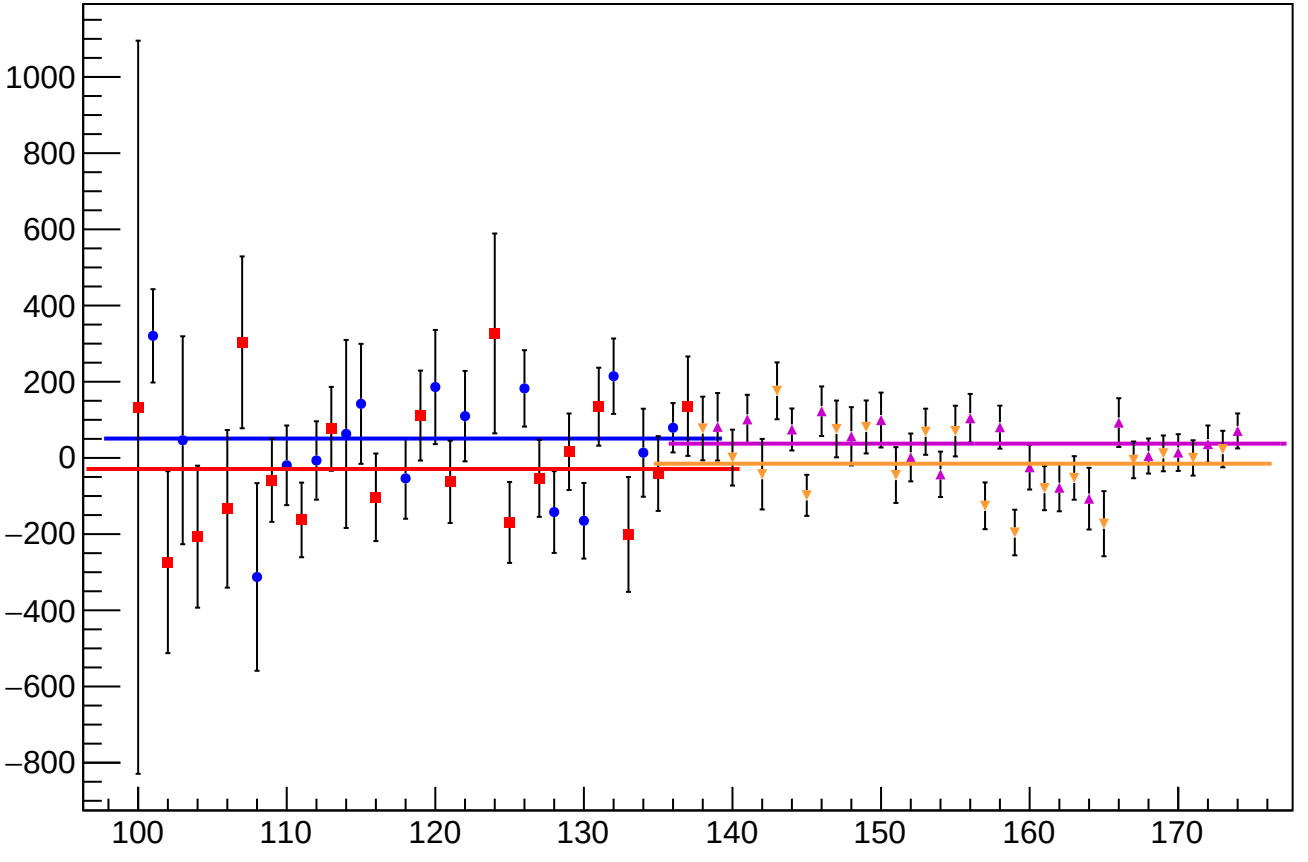
Left In: 257.345+/-0.050 χ^2/NDF:2605182.5/17

+ sign 300.228+/-0.050 χ^2/NDF: 7313360.4/34

All: 293.578+/-0.034 χ^2/NDF: 14982998.2/71

- 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: -15.132+/-13.983 χ^2/NDF:36.0/18

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

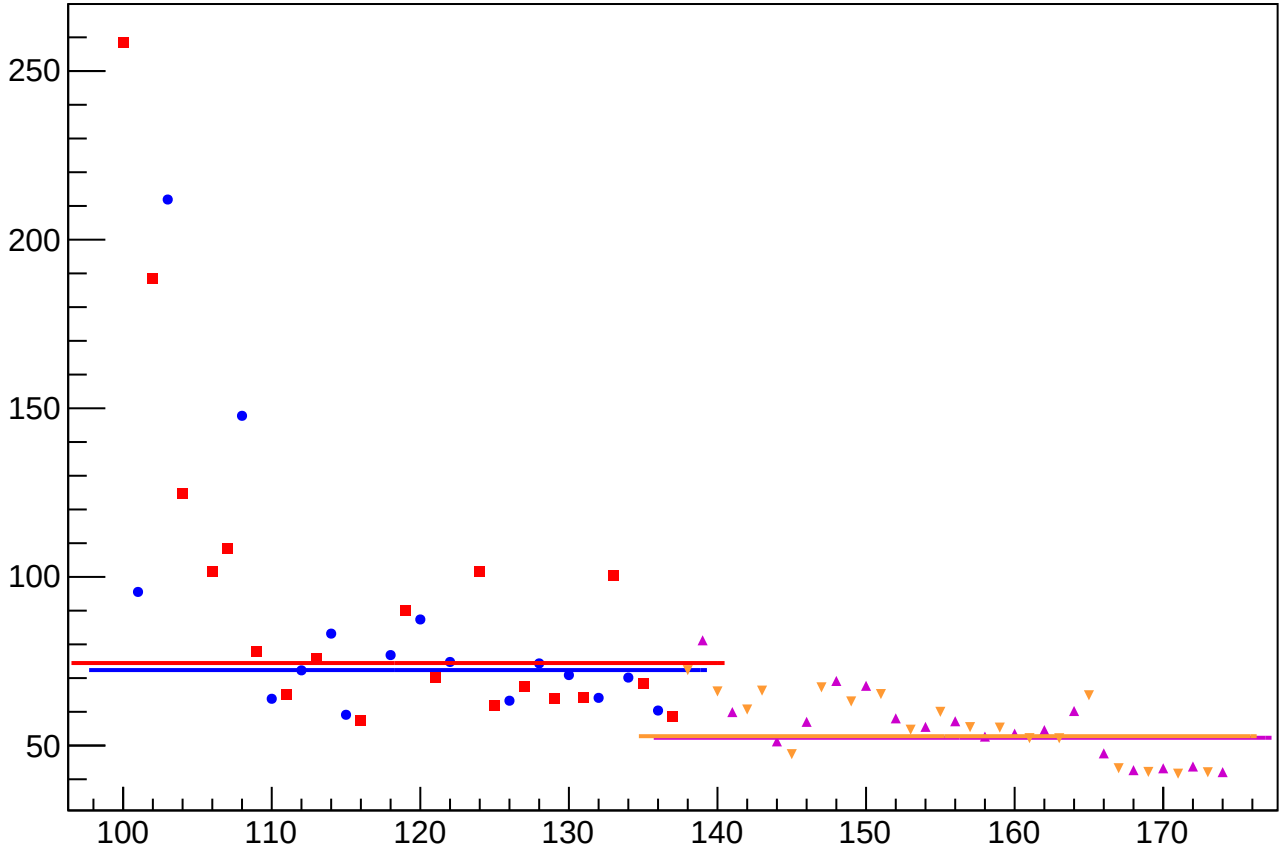
Left In: 37.481+/-13.951 χ^2/NDF:17.8/17

+ sign -2.199+/-12.537 χ^2/NDF: 63.2/34

All: 11.329+/-8.875 χ^2/NDF: 106.2/71

- 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: 52.773+/-0.010 χ^2/NDF:921029.3/18

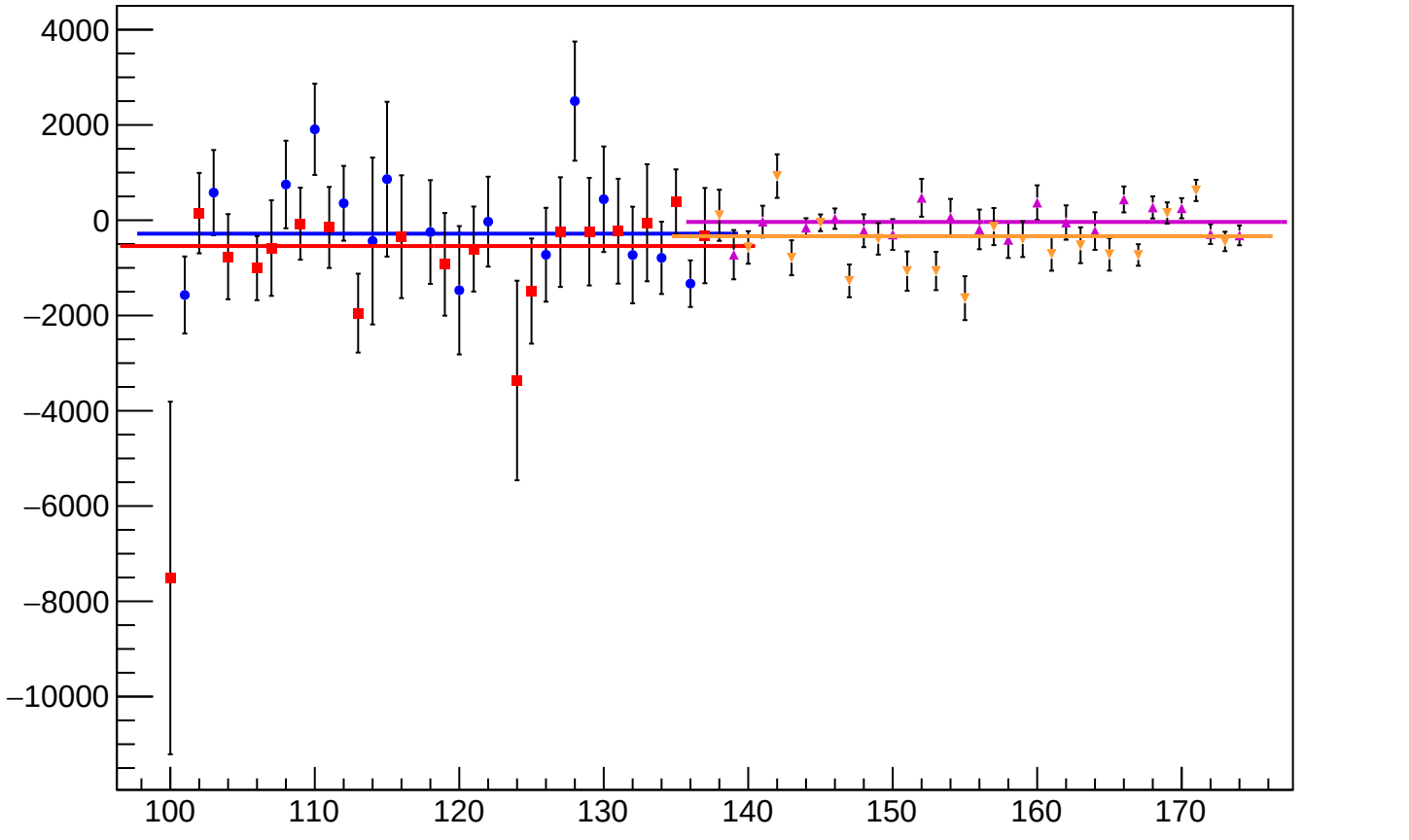
Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 52.306+/-0.010 χ^2/NDF:825931.3/17

+ sign 56.616+/-0.009 χ^2/NDF: 2629968.6/34

All: 56.554+/-0.006 χ^2/NDF: 5461273.3/71

- 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: -335.254+/-68.573 χ^2/NDF:64.4/18

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

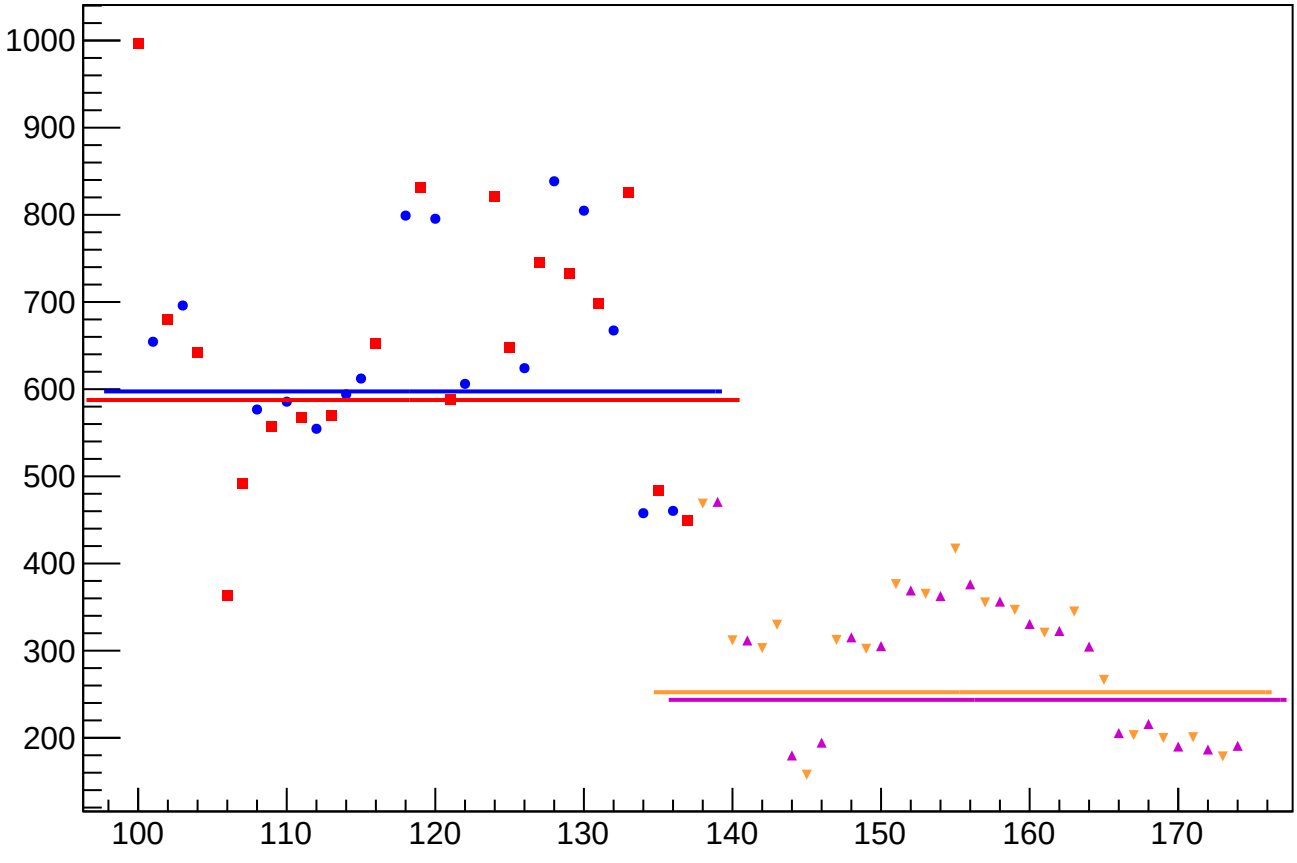
Left In: -36.280+/-66.477 χ^2/NDF:17.5/17

+ sign -330.833+/-65.662 χ^2/NDF: 87.2/34

All: -200.640+/-45.705 χ^2/NDF: 130.4/71

- 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: 252.323+/-0.048 χ^2/NDF:2824796.2/18

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

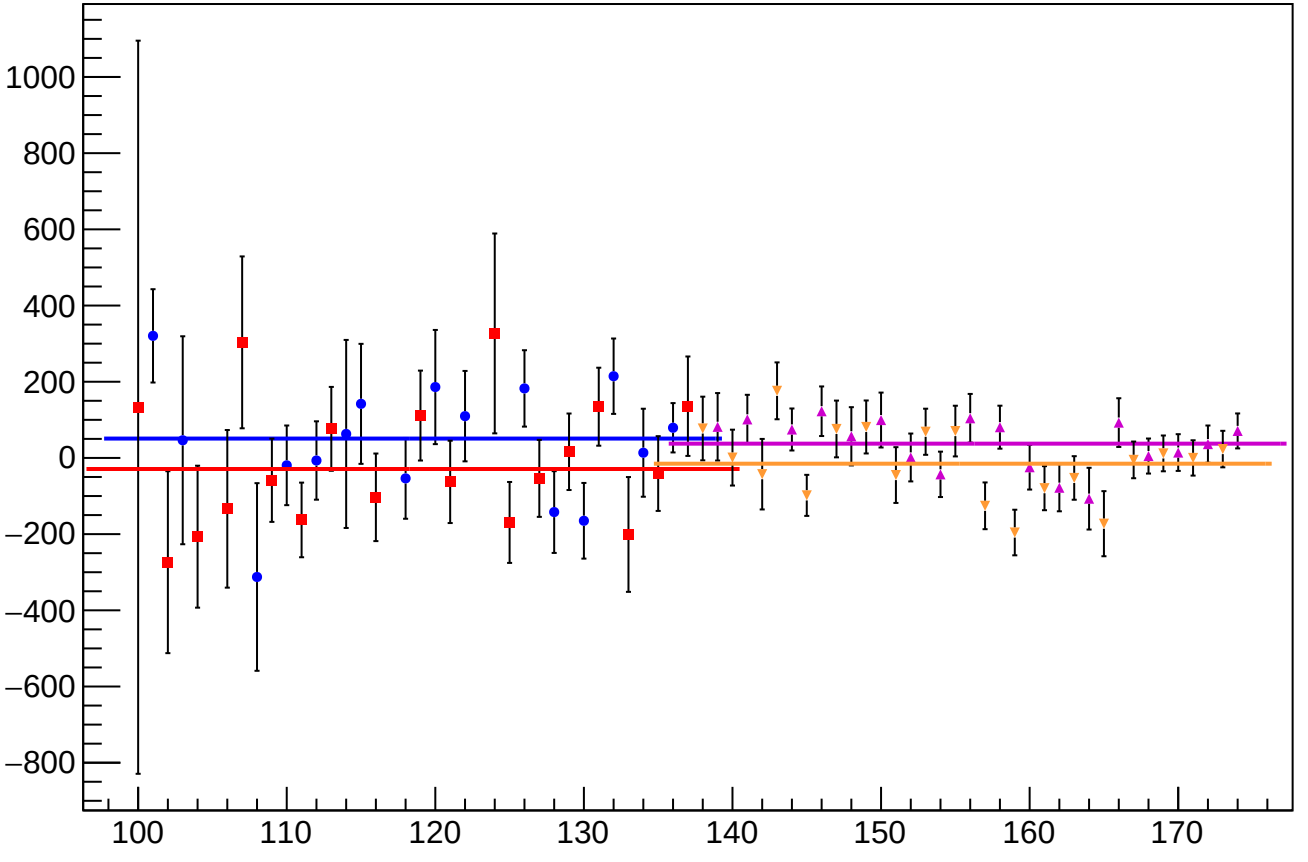
Left In: 243.584+/-0.047 χ^2/NDF:2443707.2/17

+ sign 280.999+/-0.046 χ^2/NDF: 7567957.7/34

All: 276.437+/-0.032 χ^2/NDF: 15166166.6/71

- 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: -15.131+/-13.983 χ^2/NDF:36.0/18

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

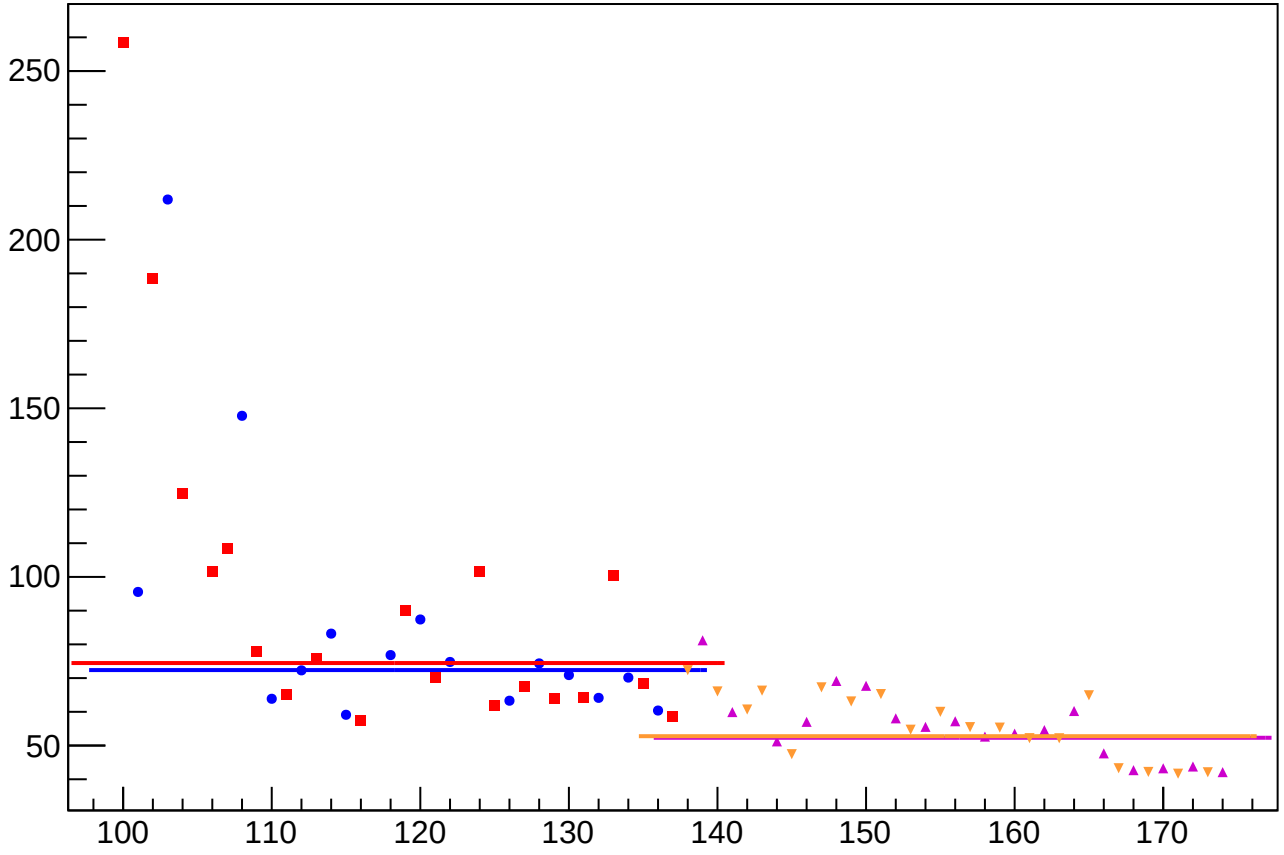
Left In: 37.481+/-13.951 χ^2/NDF:17.8/17

+ sign -2.199+/-12.537 χ^2/NDF: 63.2/34

All: 11.330+/-8.875 χ^2/NDF: 106.2/71

- 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: 52.773+/-0.010 χ^2/NDF:921052.0/18

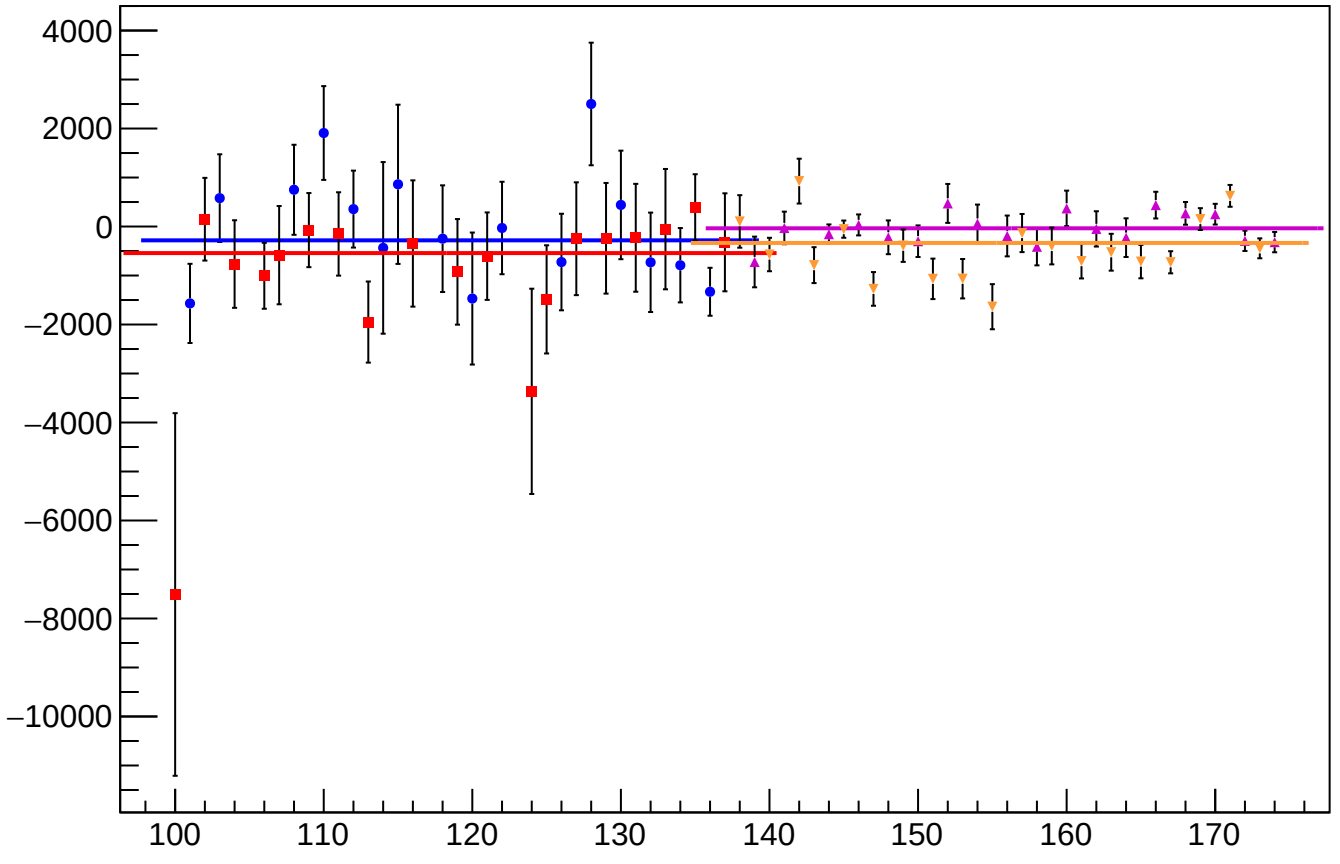
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 52.306+/-0.010 χ^2/NDF:825939.8/17

+ sign 56.616+/-0.009 χ^2/NDF: 2629978.1/34

All: 56.554+/-0.006 χ^2/NDF: 5461271.1/71

- 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: -335.255+/-68.573 χ^2/NDF:64.4/18

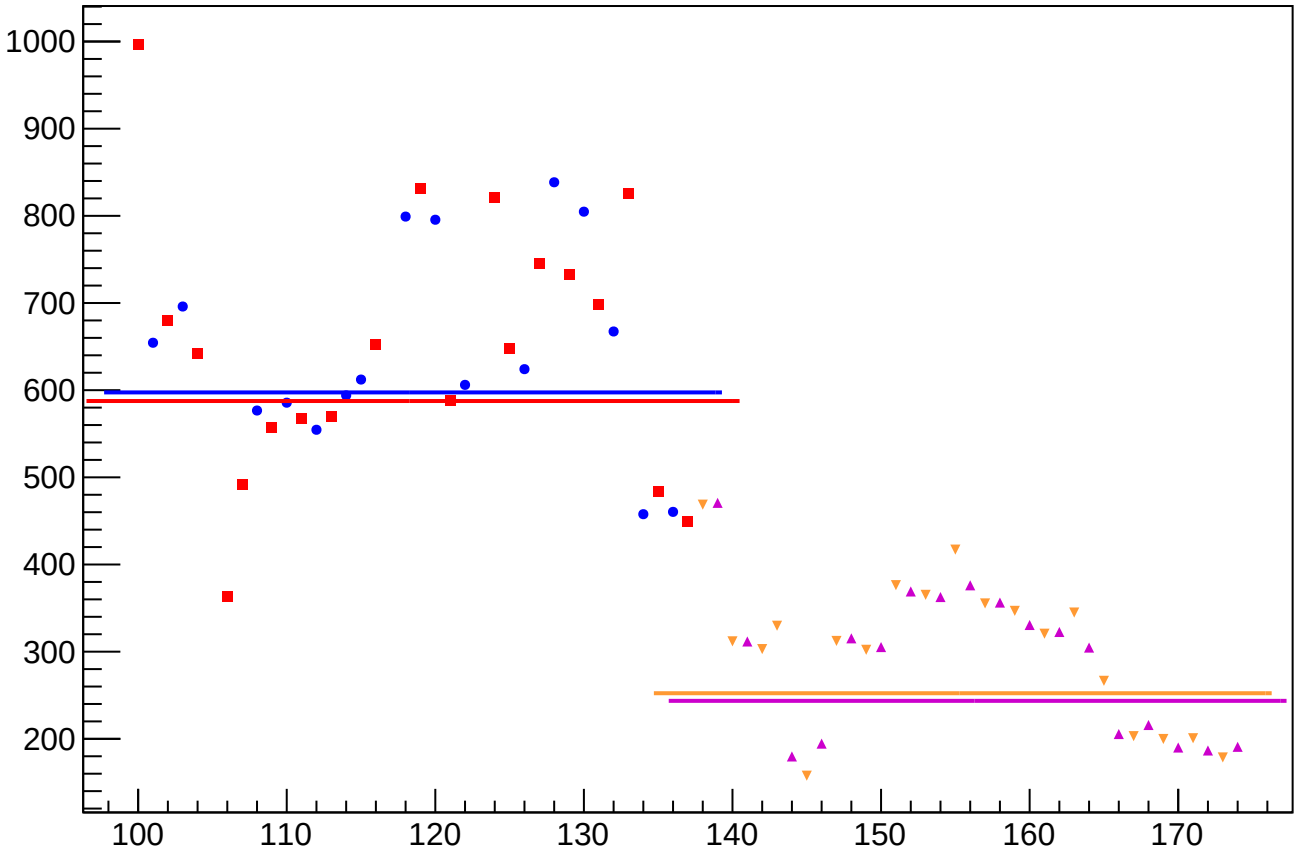
Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: -36.279+/-66.477 χ^2/NDF:17.5/17

+ sign -330.833+/-65.662 χ^2/NDF: 87.2/34

All: -200.640+/-45.705 χ^2/NDF: 130.4/71

- sign -78.276+/-63.657 χ^2/NDF: 35.5/36



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 252.323+/-0.048 χ^2/NDF:2824786.2/18

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

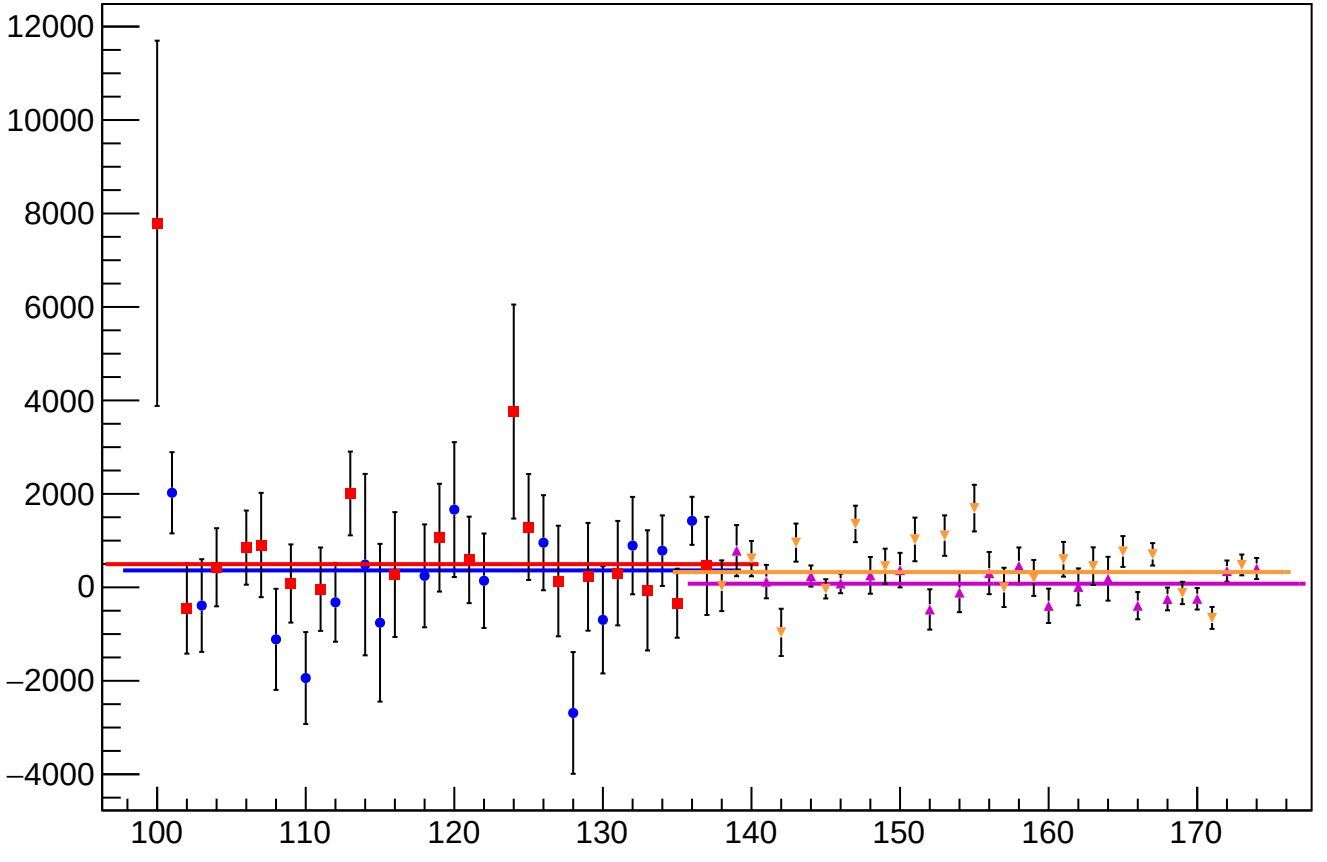
Left In: 243.584+/-0.047 χ^2/NDF:2443700.8/17

+ sign 280.999+/-0.046 χ^2/NDF: 7567954.1/34

All: 276.437+/-0.032 χ^2/NDF: 15166158.5/71

- 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: 327.108+/-74.569 χ^2/NDF:60.0/18

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

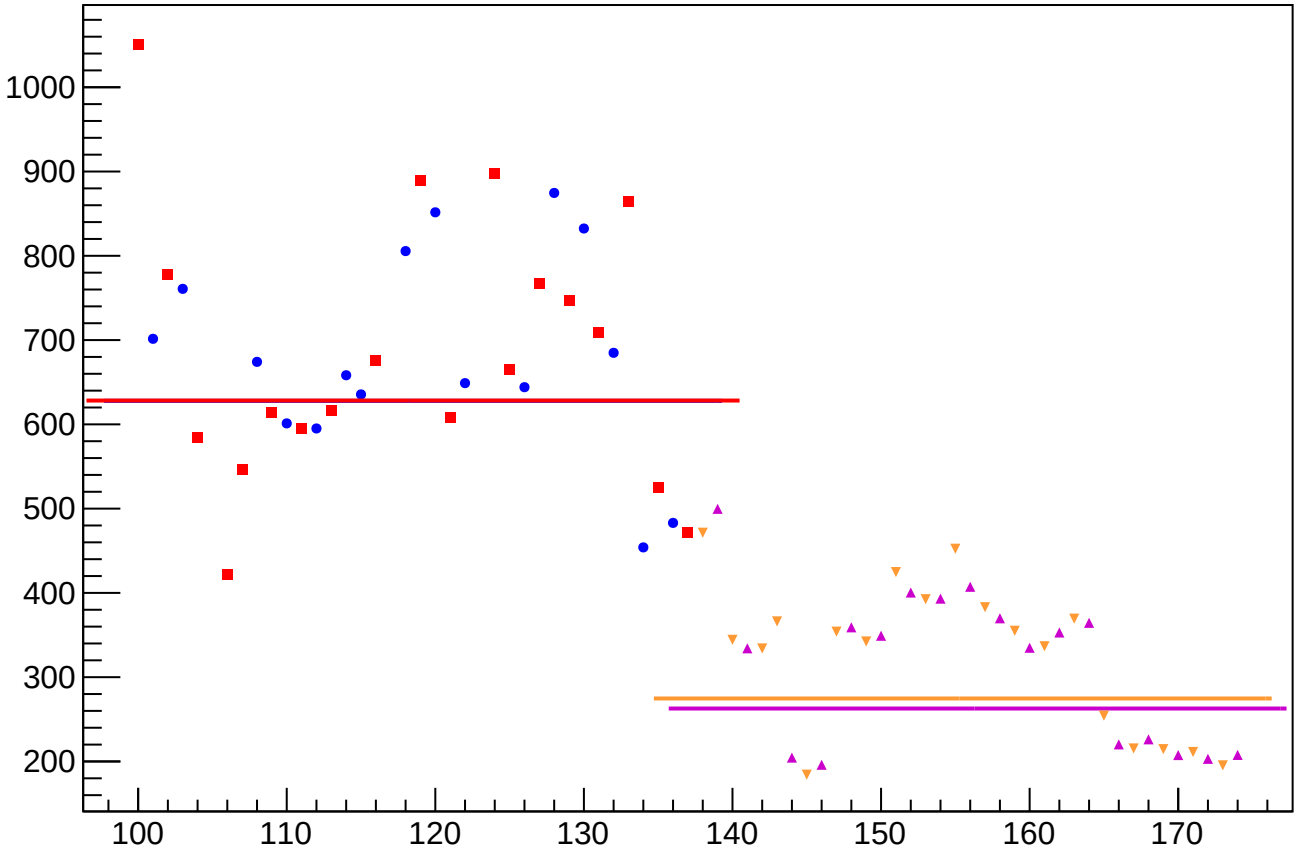
Left In: 78.153+/-71.681 χ^2/NDF:17.6/17

+ sign 330.207+/-71.219 χ^2/NDF: 85.1/34

All: 217.773+/-49.403 χ^2/NDF: 123.1/71

- 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: 274.724+/-0.053 χ^2/NDF:2643006.6/18

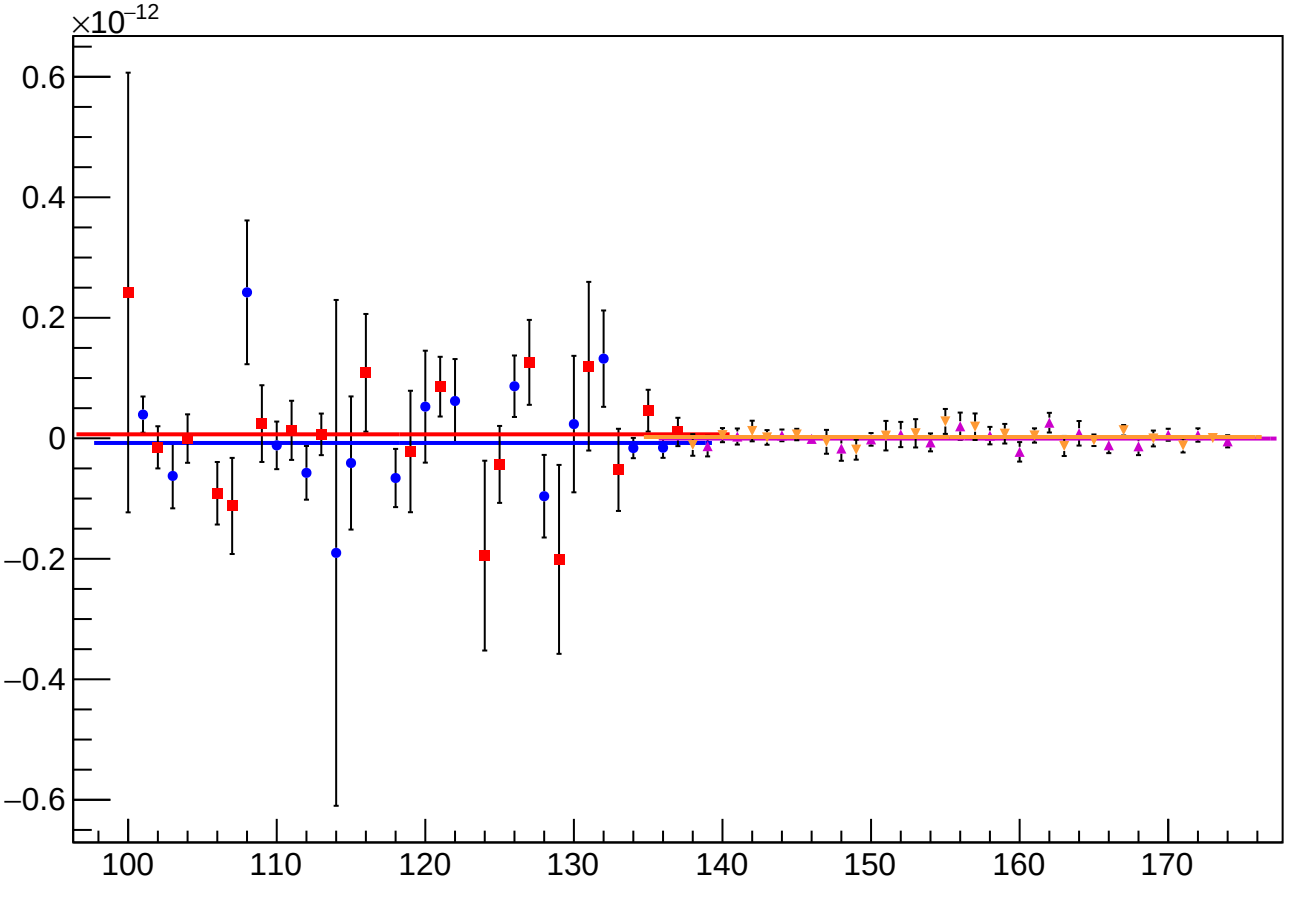
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 262.801+/-0.051 χ^2/NDF:2504143.9/17

+ sign 305.745+/-0.050 χ^2/NDF: 7150361.1/34

All: 299.475+/-0.035 χ^2/NDF: 14645098.0/71

- sign 293.661+/-0.048 χ^2/NDF: 7464864.0/36



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/18

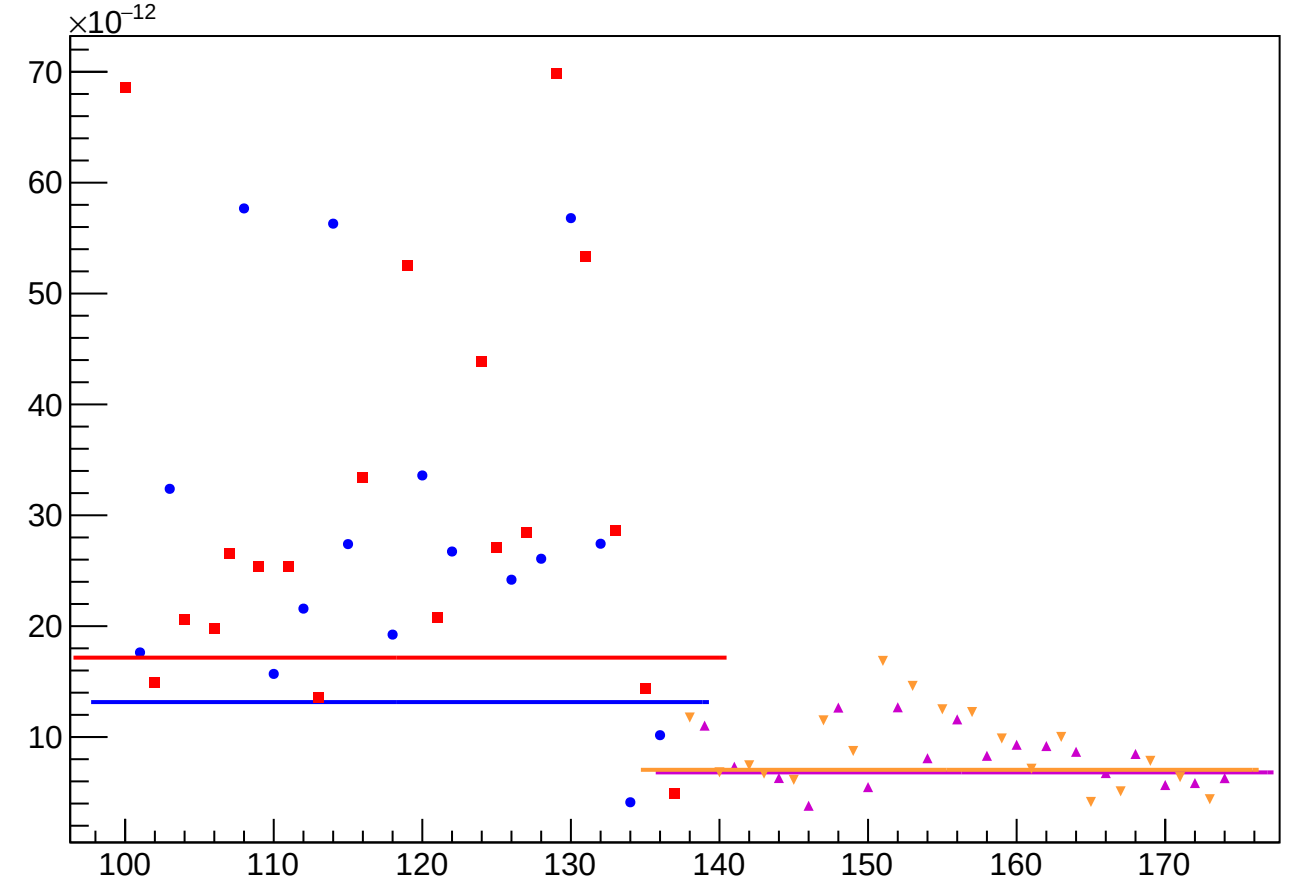
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

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

+ sign 0.000+/-0.000 χ^2/NDF: 31.6/34

All: 0.000+/-0.000 χ^2/NDF: 61.8/71

- 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:1683783.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

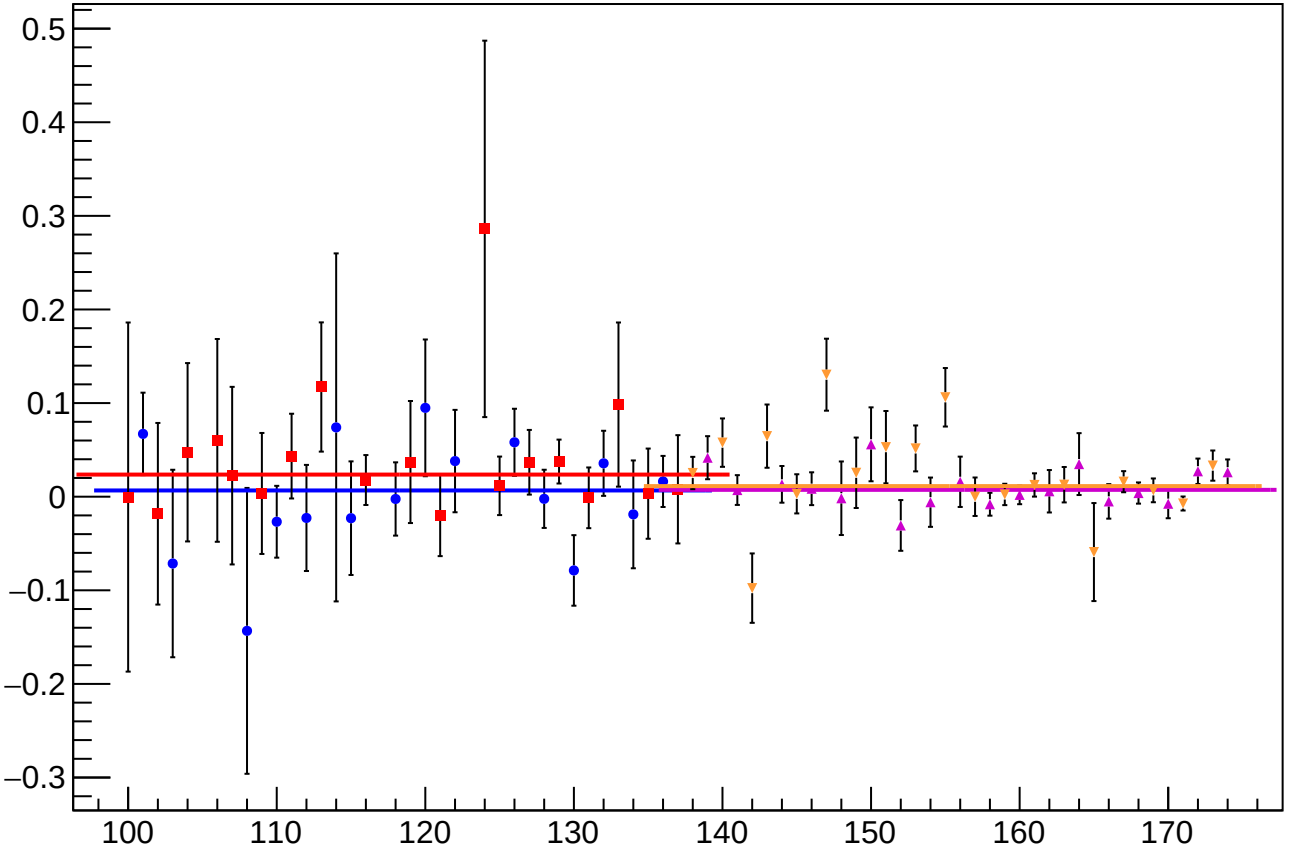
Left In: 0.000+/-0.000 χ^2/NDF:1122016.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 4538379.9/34

All: 0.000+/-0.000 χ^2/NDF: 8817707.9/71

- 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: 0.011+/-0.004 χ^2/NDF:49.0/18

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

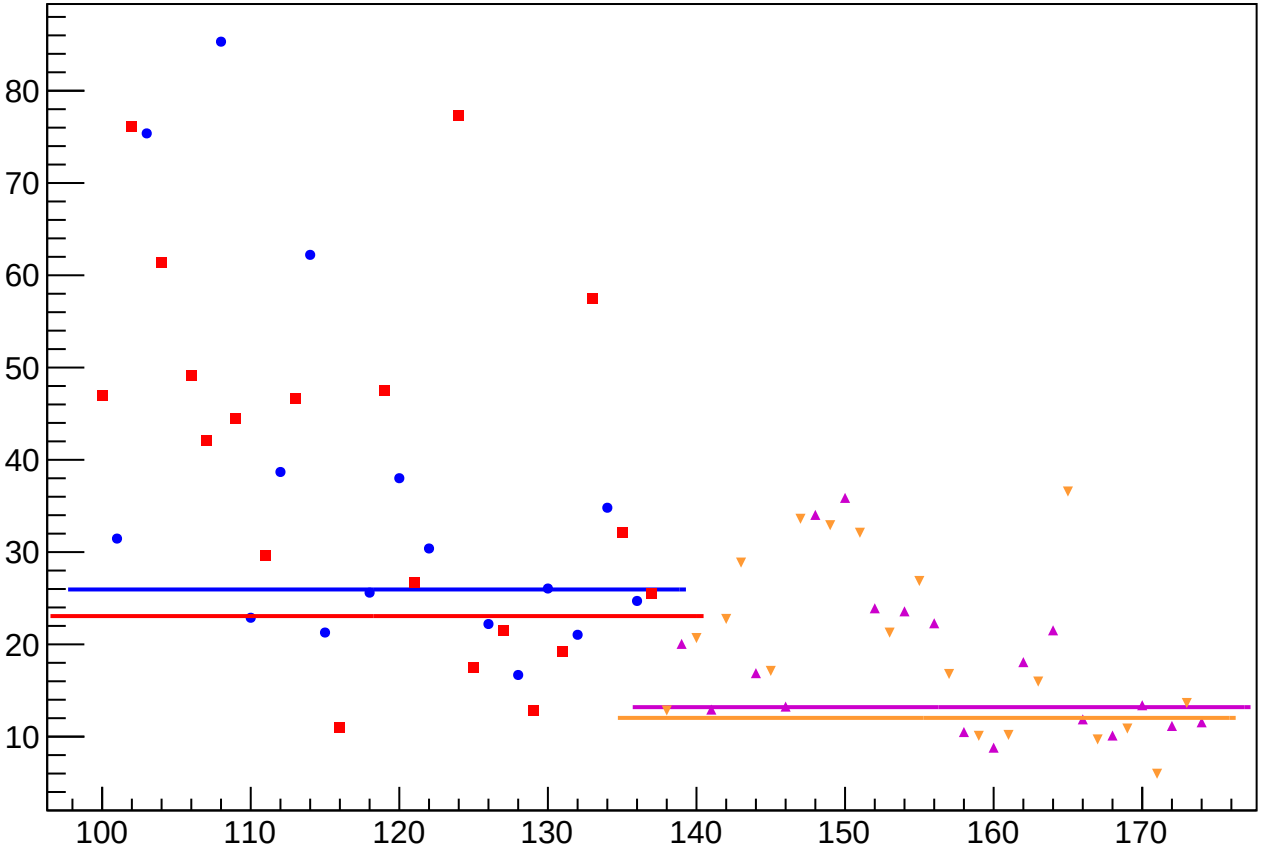
Left In: 0.007+/-0.004 χ^2/NDF:14.3/17

+ sign 0.011+/-0.004 χ^2/NDF: 64.2/34

All: 0.010+/-0.003 χ^2/NDF: 88.2/71

- 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: 12.032+/-0.003 χ^2/NDF:5698061.1/18

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

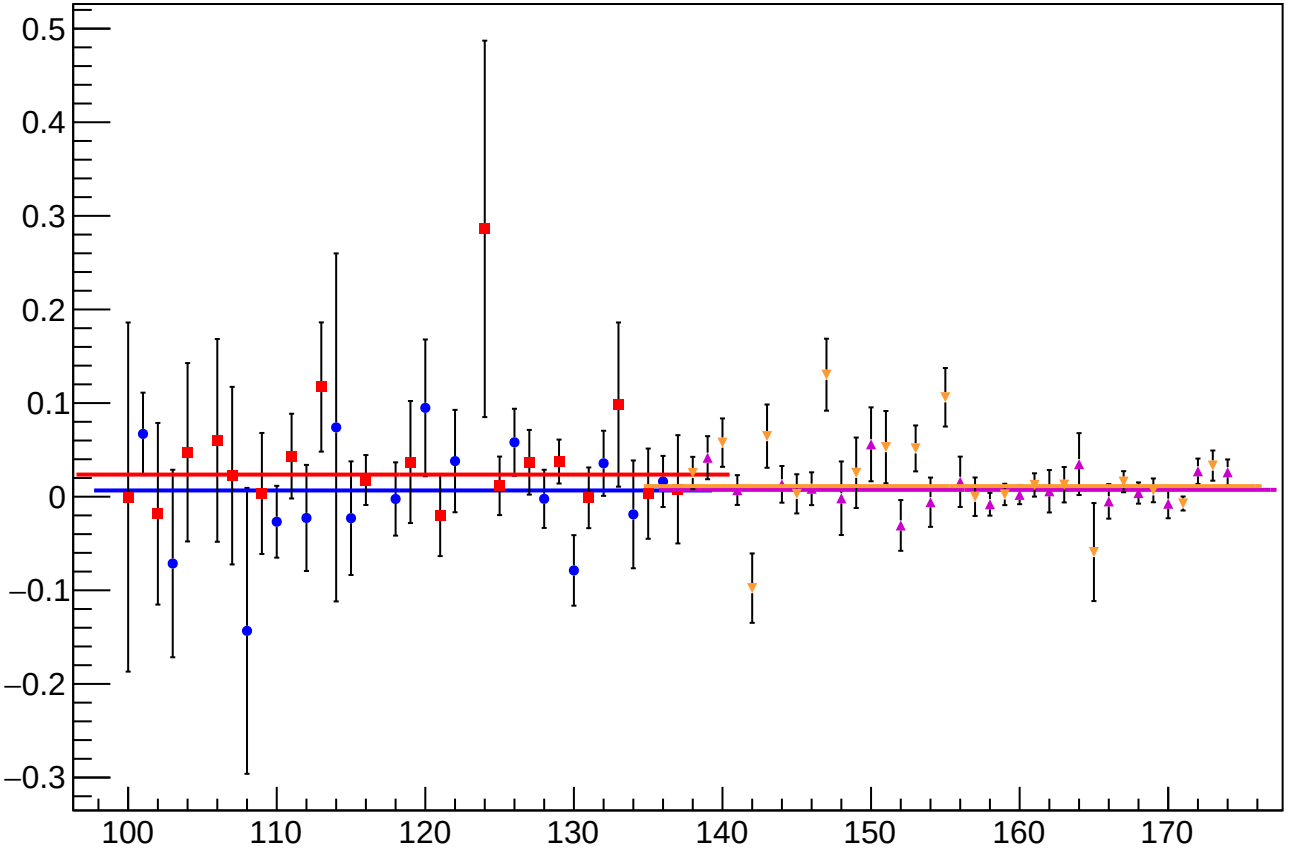
Left In: 13.197+/-0.003 χ^2/NDF:3260698.7/17

+ sign 13.498+/-0.003 χ^2/NDF: 9892609.4/34

All: 13.955+/-0.002 χ^2/NDF: 18123242.5/71

- sign 14.447+/-0.003 χ^2/NDF: 8163804.4/36

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.011+/-0.004 χ^2/NDF:49.0/18

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

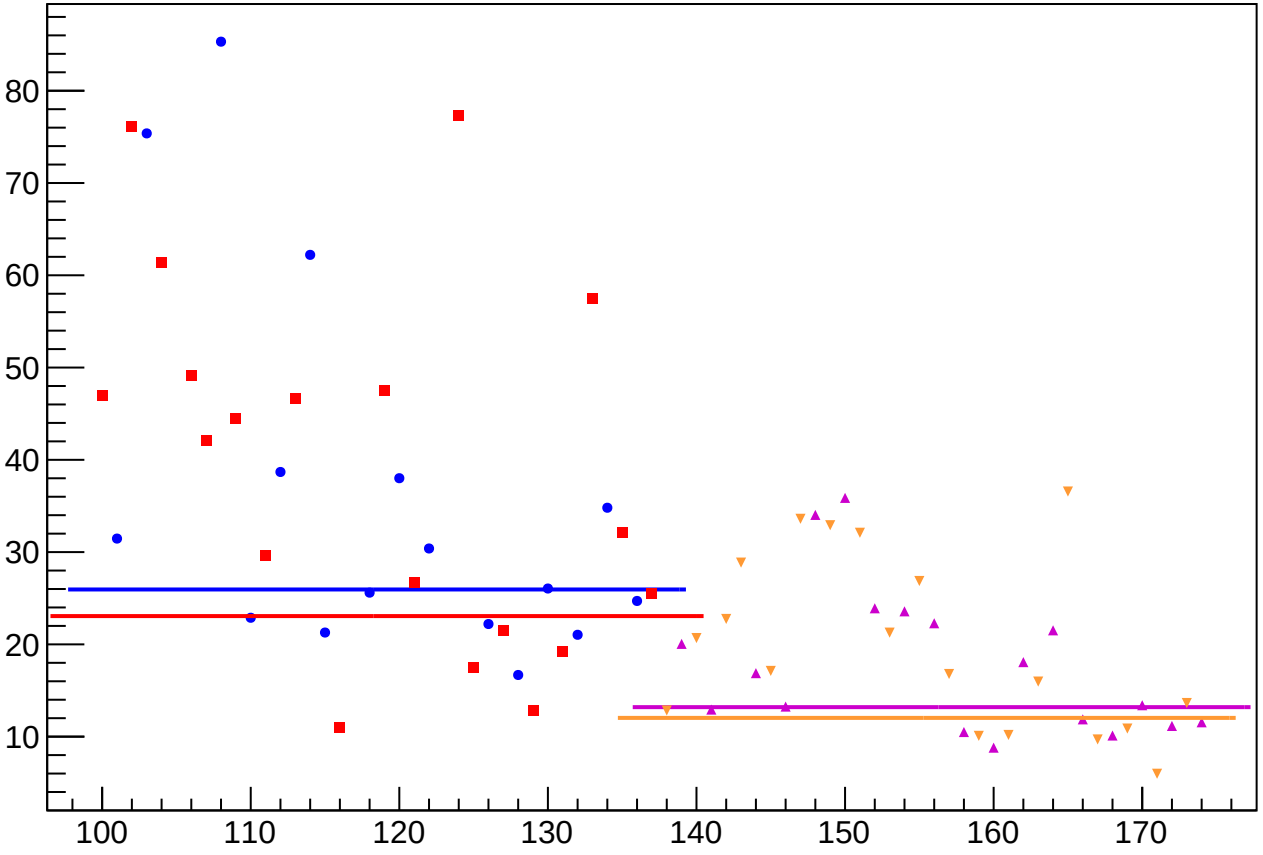
Left In: 0.007+/-0.004 χ^2/NDF:14.3/17

+ sign 0.011+/-0.004 χ^2/NDF: 64.2/34

All: 0.010+/-0.003 χ^2/NDF: 88.2/71

- sign 0.009+/-0.004 χ^2/NDF: 23.9/36

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.032+/-0.003 χ^2/NDF:5698061.1/18

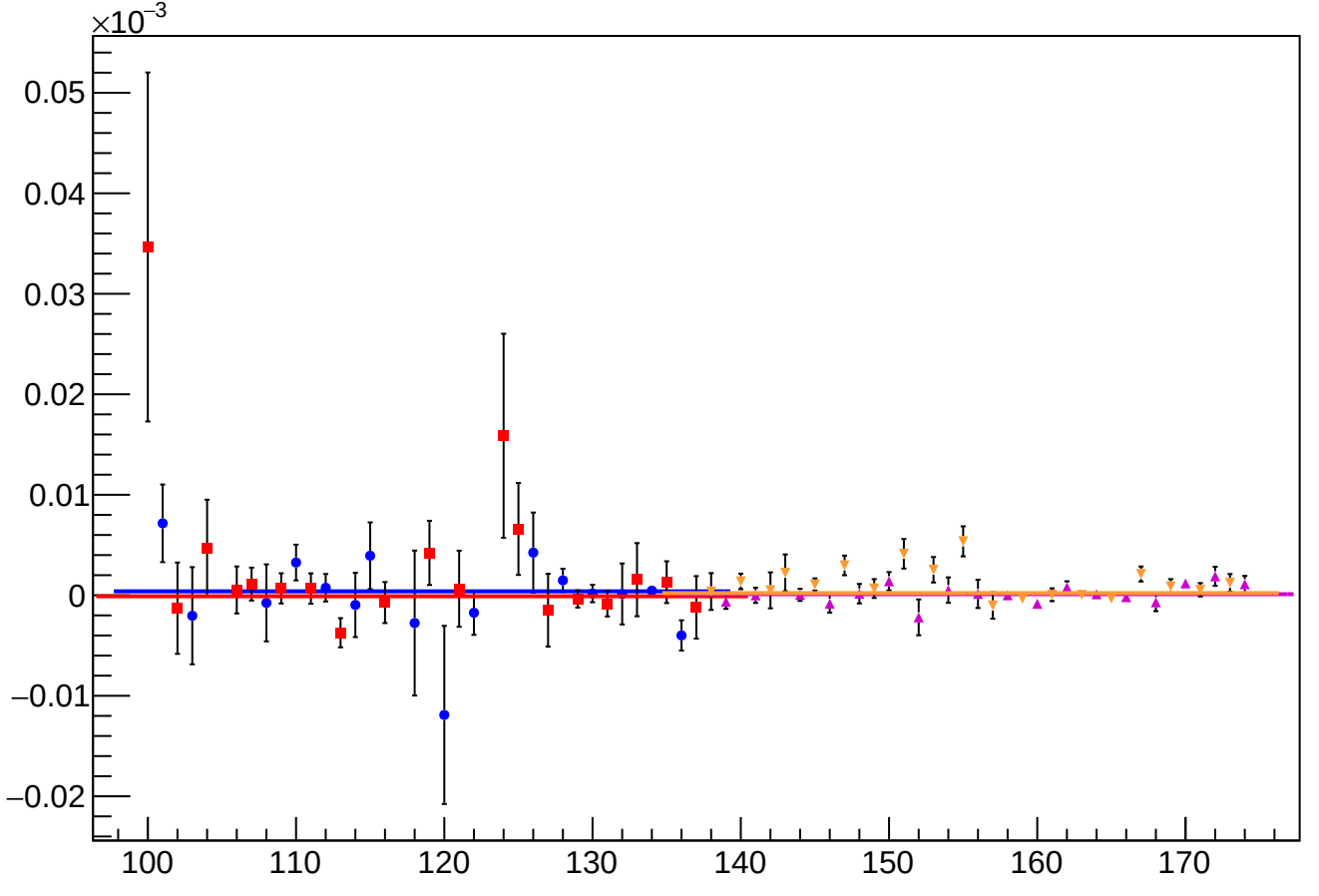
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.197+/-0.003 χ^2/NDF:3260698.7/17

+ sign 13.498+/-0.003 χ^2/NDF: 9892609.4/34

All: 13.955+/-0.002 χ^2/NDF: 18123242.5/71

- 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:54.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

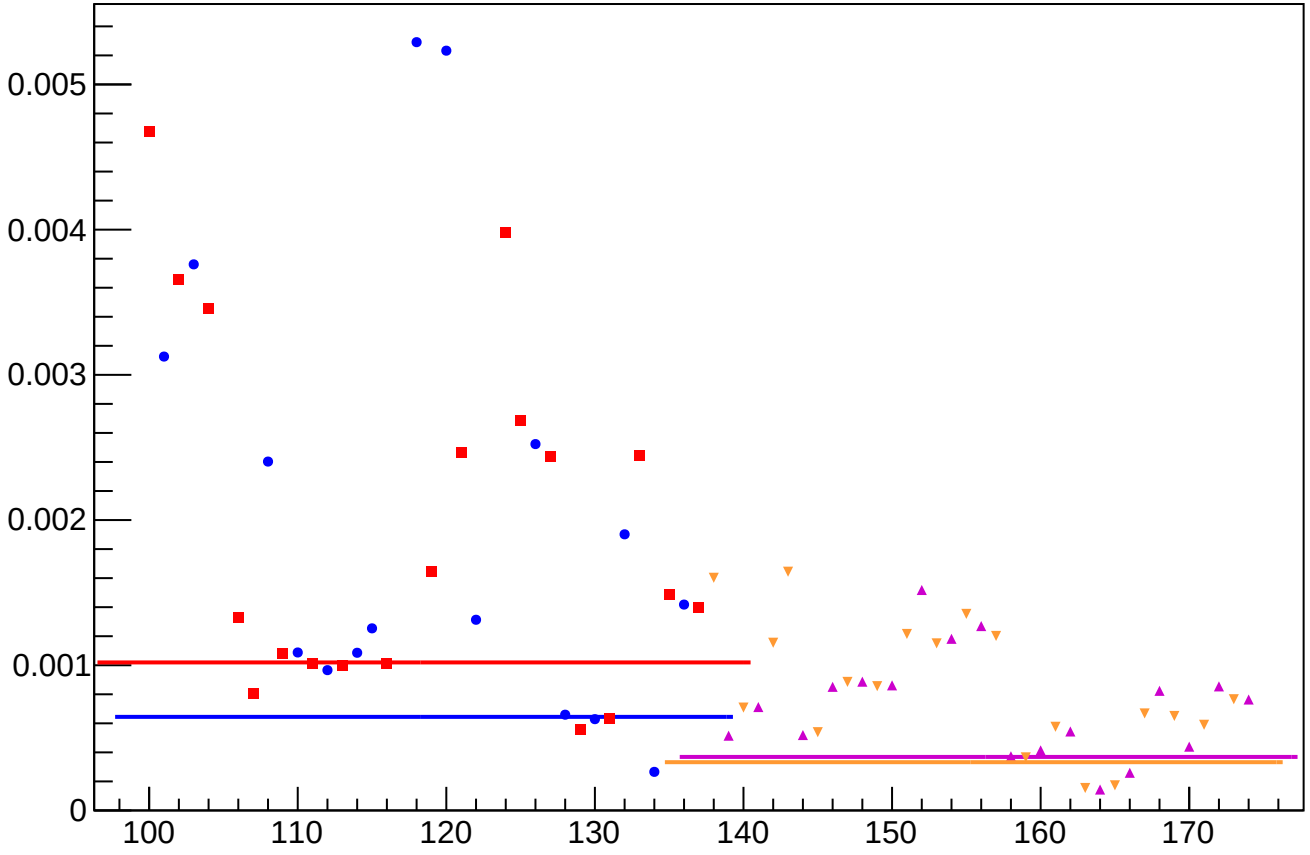
Left In: 0.000+/-0.000 χ^2/NDF:22.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 75.7/34

All: 0.000+/-0.000 χ^2/NDF: 119.6/71

- sign 0.000+/-0.000 χ^2/NDF: 43.2/36

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12496986.6/18

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

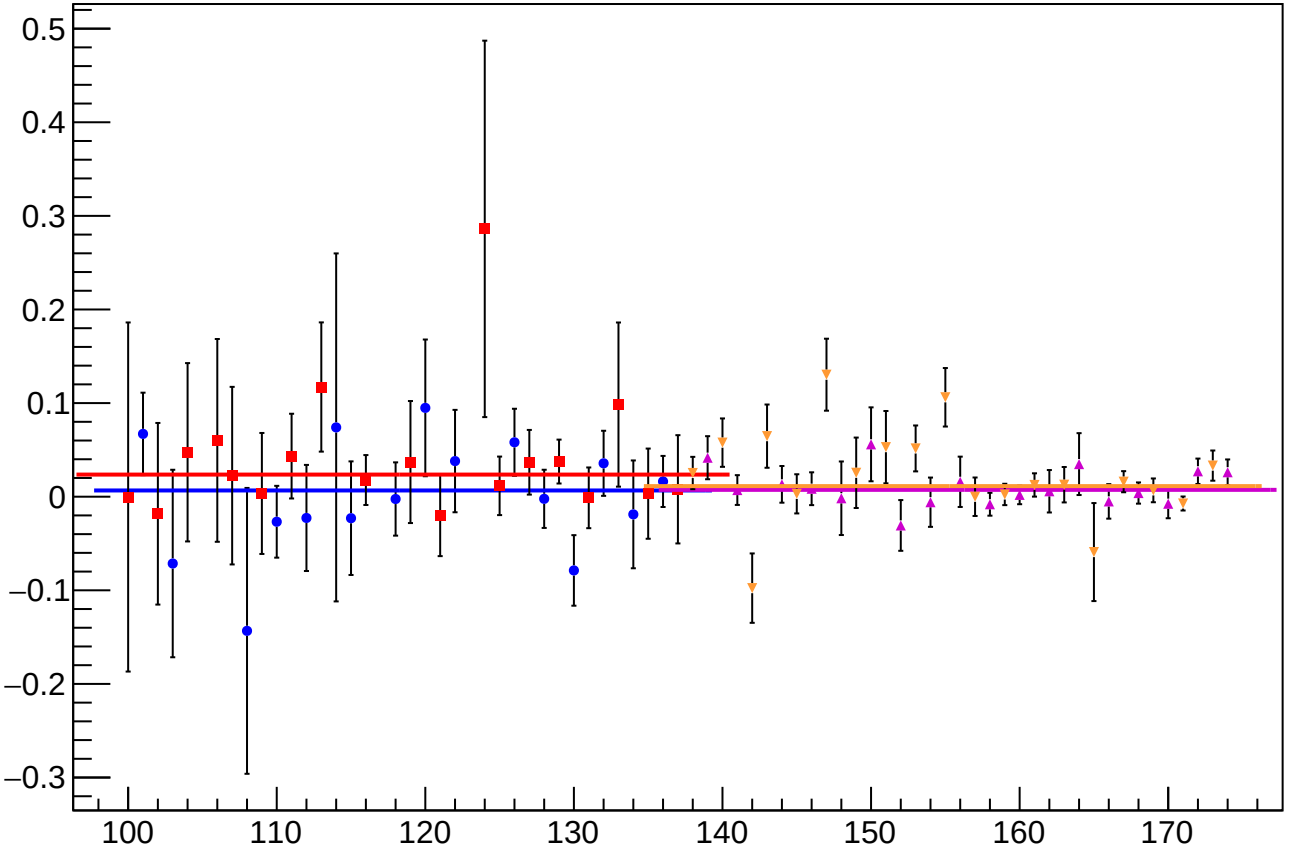
Left In: 0.000+/-0.000 χ^2/NDF:9598492.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 20583247.4/34

All: 0.000+/-0.000 χ^2/NDF: 37921765.9/71

- sign 0.000+/-0.000 χ^2/NDF: 17155805.2/36

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.011+/-0.004 χ^2/NDF:49.0/18

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

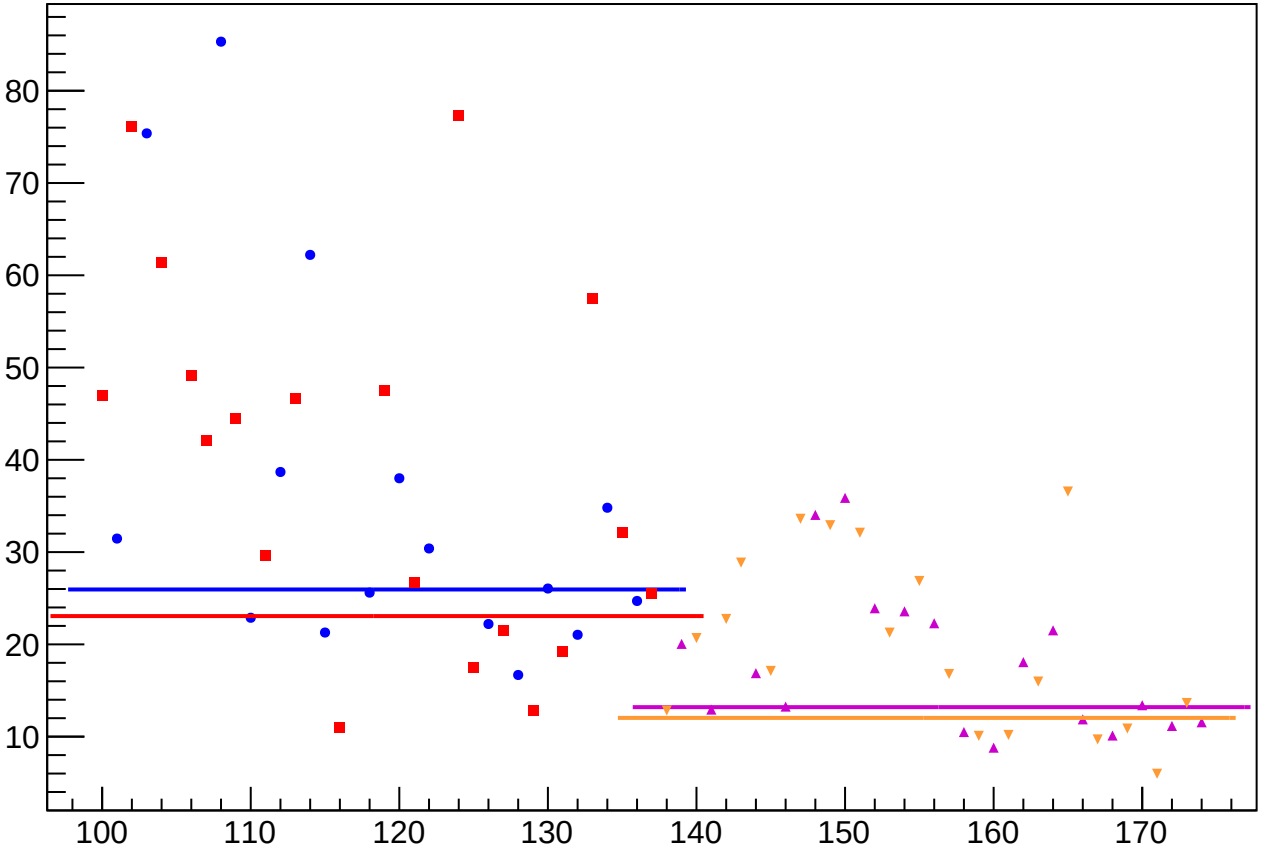
Left In: 0.007+/-0.004 χ^2/NDF:14.3/17

+ sign 0.011+/-0.004 χ^2/NDF: 64.2/34

All: 0.010+/-0.003 χ^2/NDF: 88.2/71

- sign 0.009+/-0.004 χ^2/NDF: 23.9/36

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.032+/-0.003 χ^2/NDF:5698276.2/18

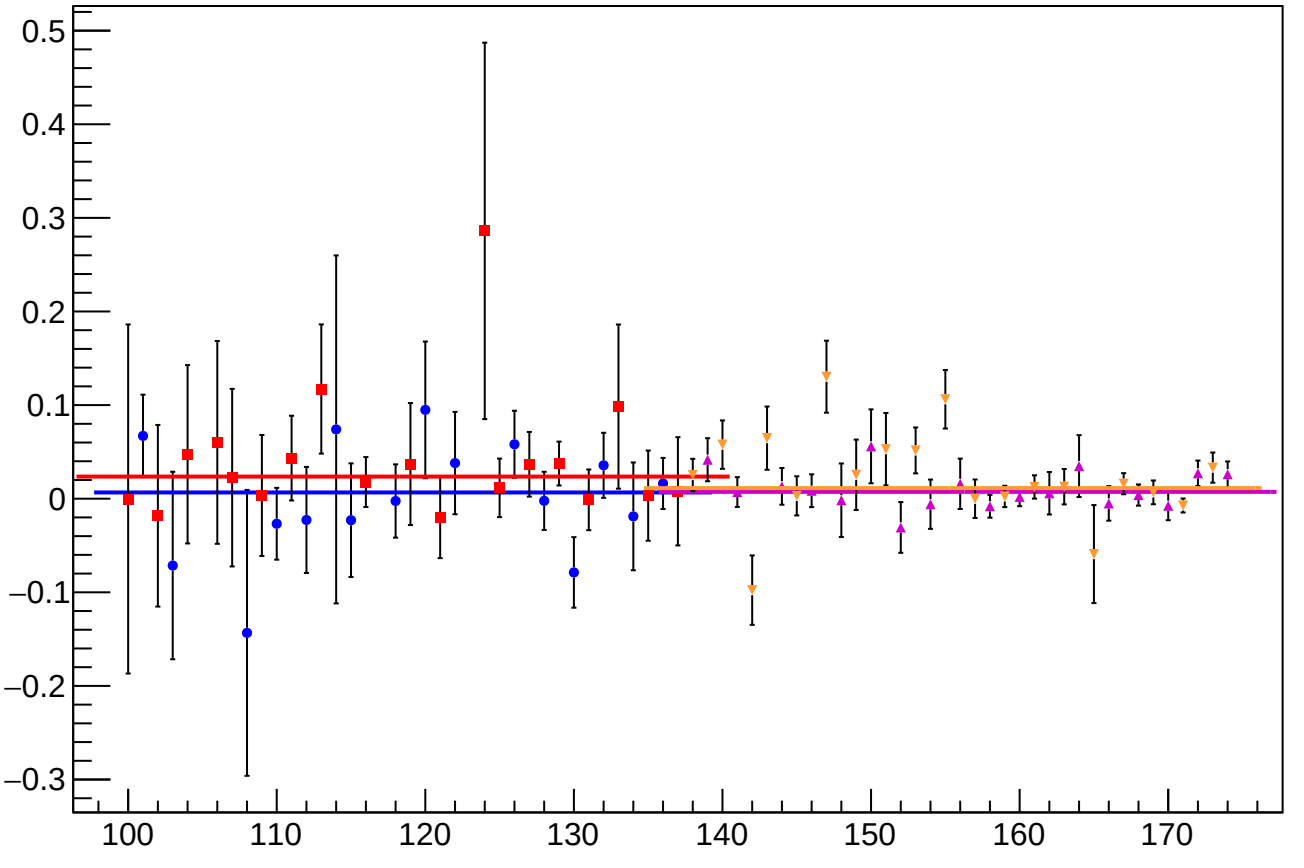
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.197+/-0.003 χ^2/NDF:3260822.8/17

\+ sign 13.498+/-0.003 χ^2/NDF: 9892815.9/34

All: 13.955+/-0.002 χ^2/NDF: 18123479.5/71

\- 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: 0.011+/-0.004 χ^2/NDF:49.0/18

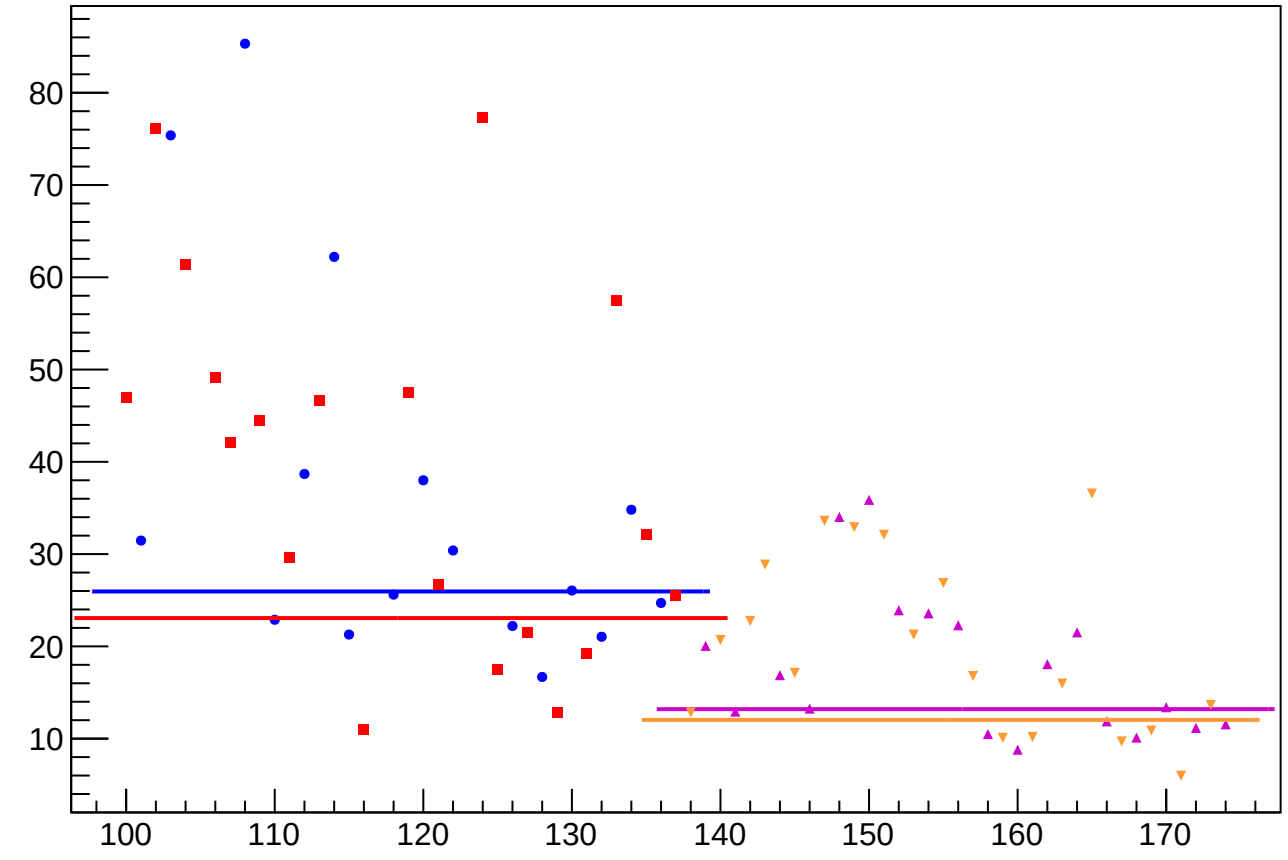
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.007+/-0.004 χ^2/NDF:14.3/17

+ sign 0.011+/-0.004 χ^2/NDF: 64.2/34

All: 0.010+/-0.003 χ^2/NDF: 88.2/71

- 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: 12.032+/-0.003 χ^2/NDF:5698276.2/18

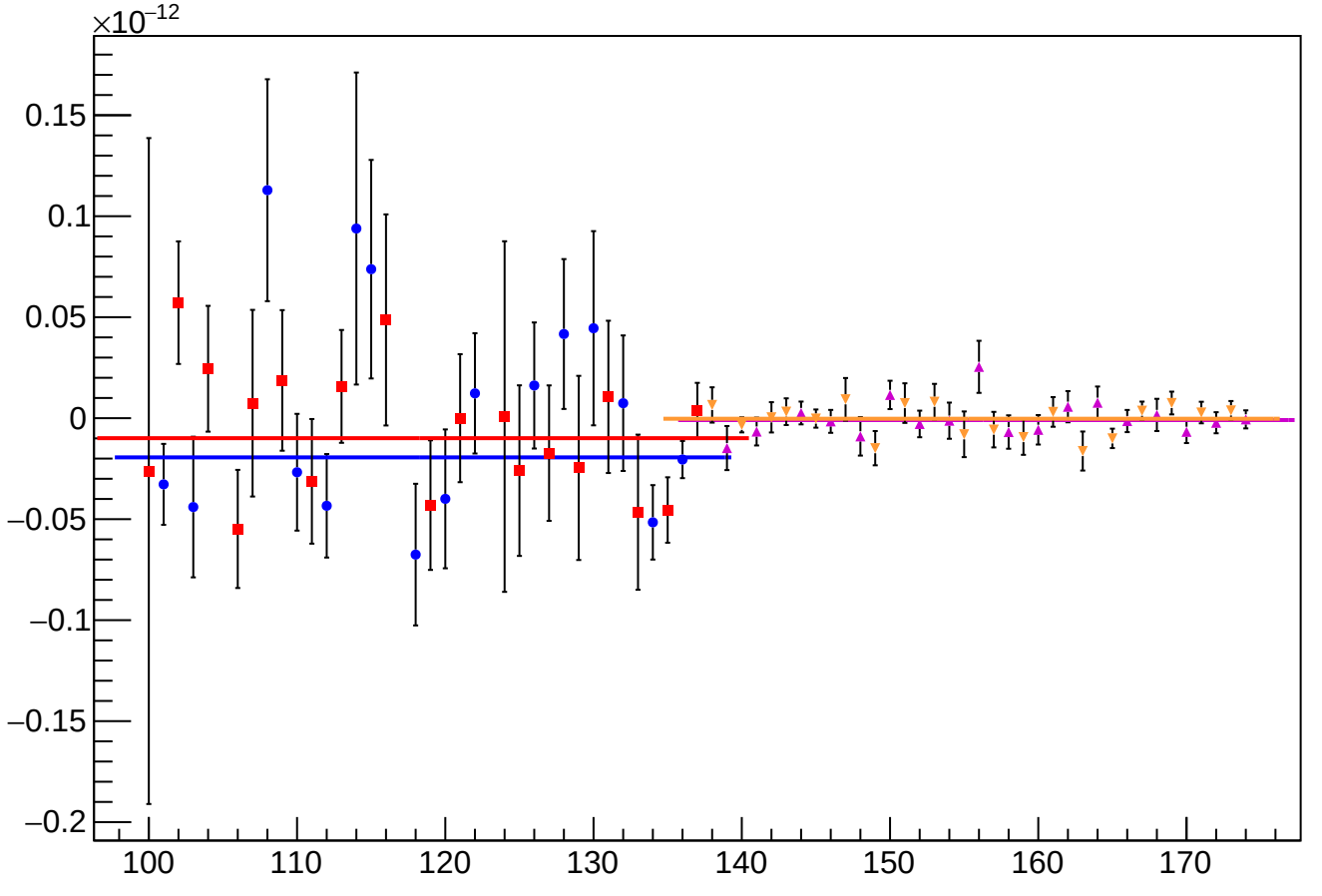
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.197+/-0.003 χ^2/NDF:3260822.8/17

+ sign 13.498+/-0.003 χ^2/NDF: 9892815.9/34

All: 13.955+/-0.002 χ^2/NDF: 18123479.5/71

- 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:19.6/18

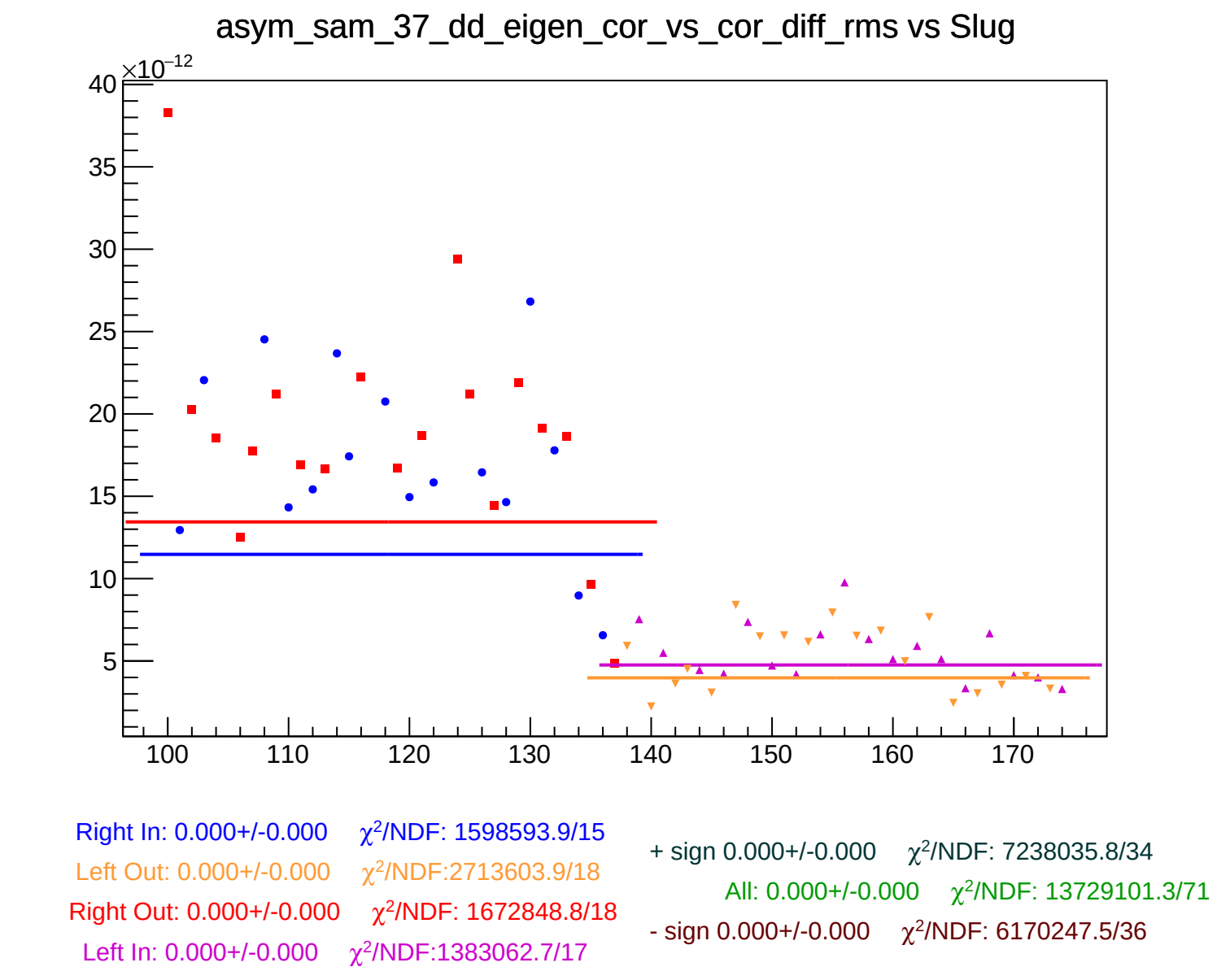
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.9/17

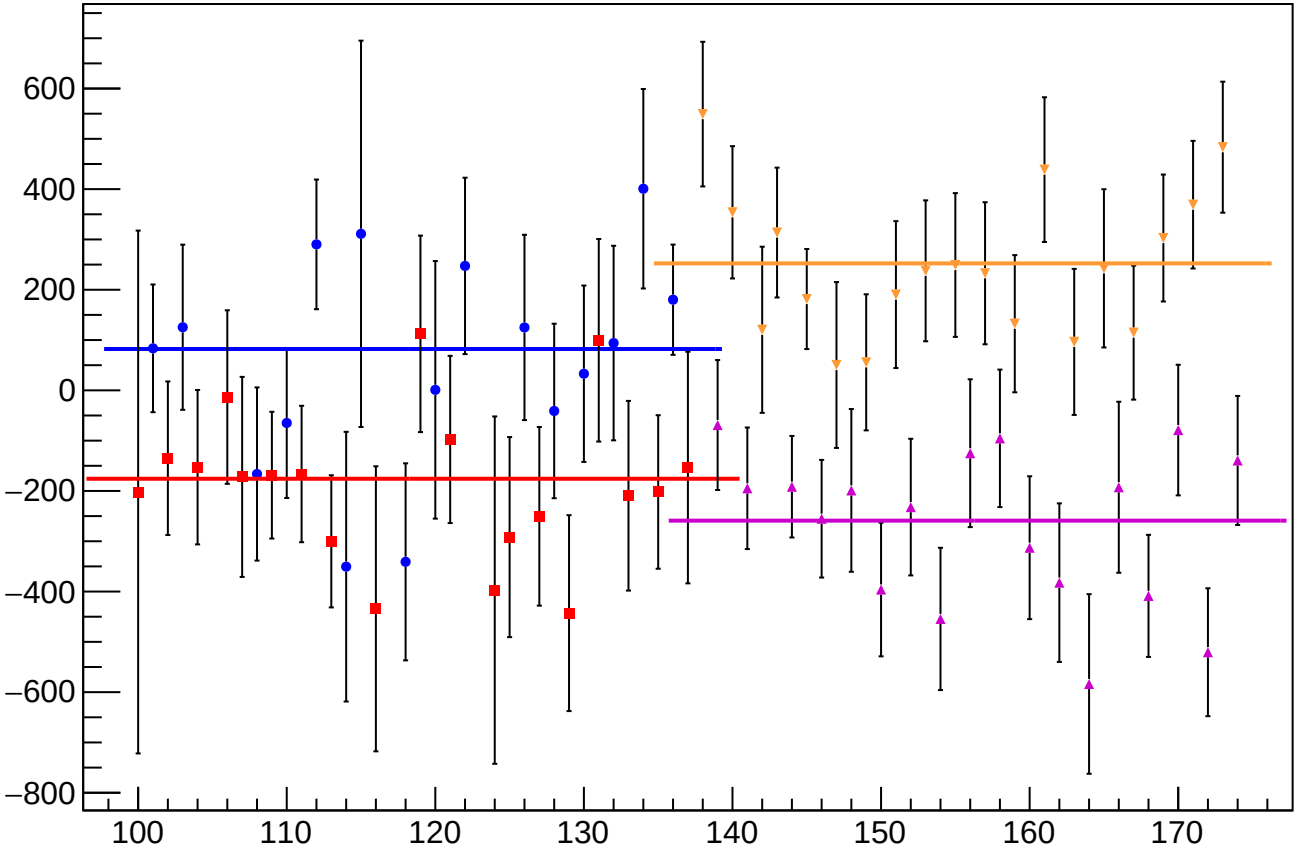
+ sign -0.000+/-0.000 χ^2/NDF: 54.8/34

All: -0.000+/-0.000 χ^2/NDF: 91.7/71

- 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
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2713603.9/18
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: 7238035.8/34
All: 0.000+/-0.000 χ²/NDF: 13729101.3/71
- 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: 252.360+/-31.270 χ^2/NDF:18.9/18

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

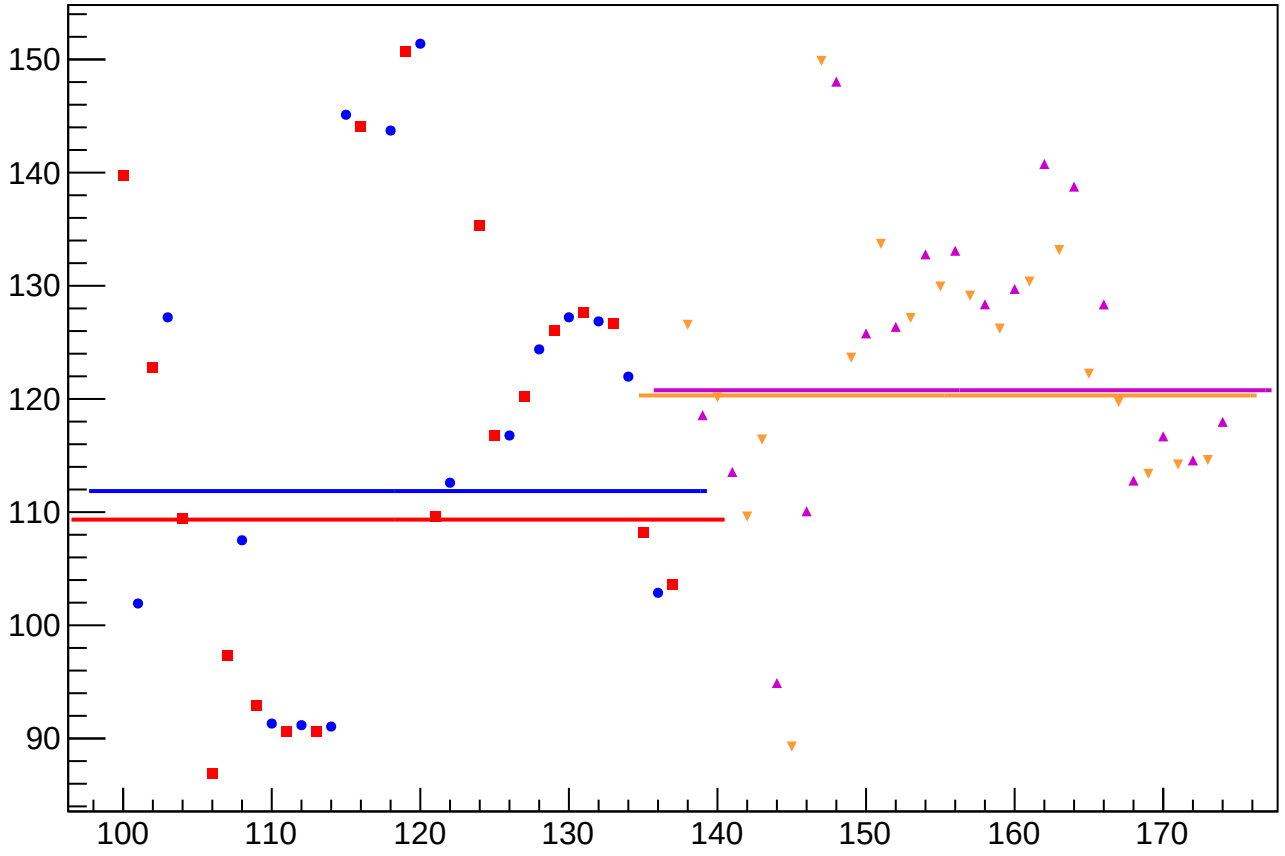
Left In: -259.041+/-31.555 χ^2/NDF:21.1/17

+ sign 191.920+/-25.110 χ^2/NDF: 47.8/34

All: -19.408+/-17.692 χ^2/NDF: 222.0/71

- 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: 120.309+/-0.022 χ^2/NDF:356588.7/18

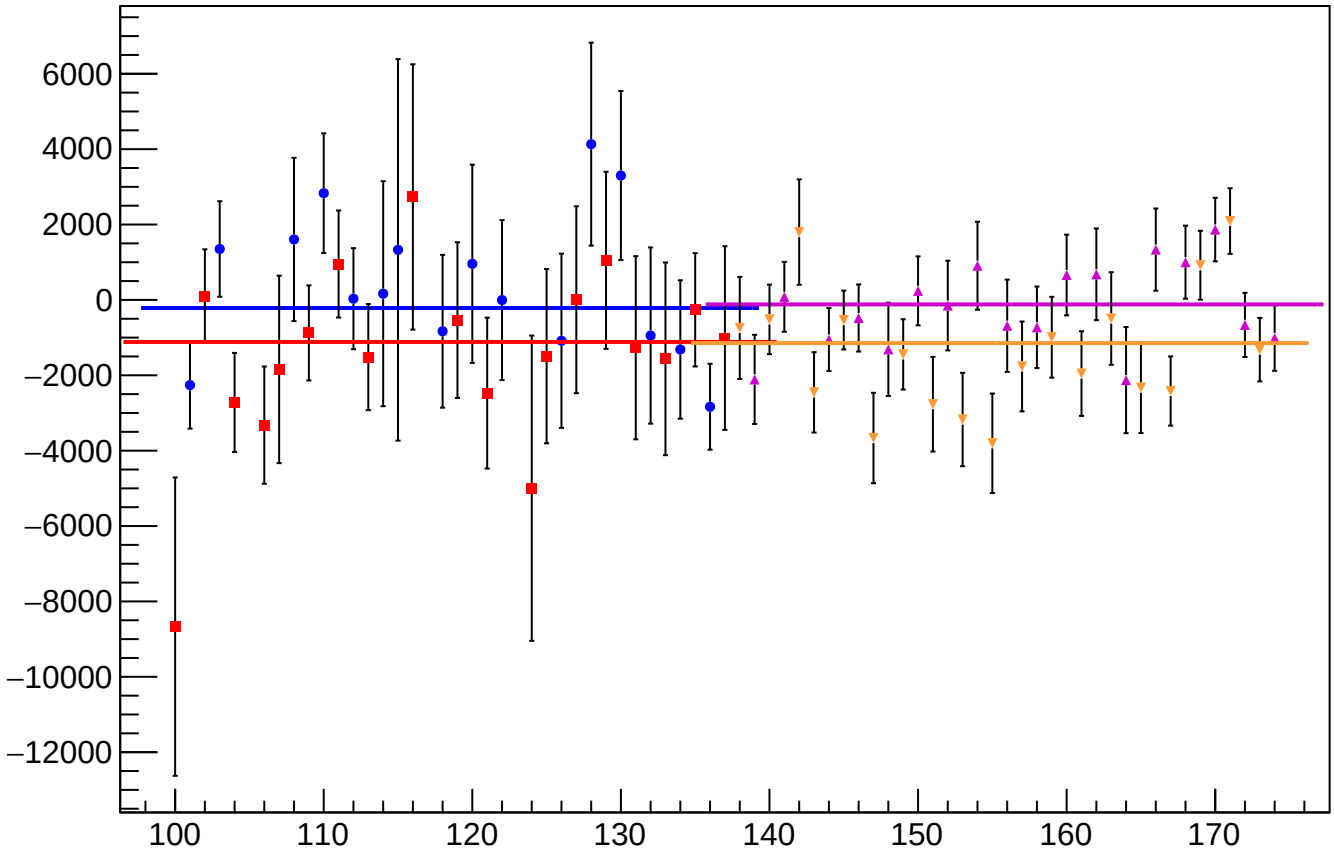
Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 120.770+/-0.022 χ^2/NDF:334380.5/17

+ sign 117.309+/-0.018 χ^2/NDF: 714445.1/34

All: 116.889+/-0.013 χ^2/NDF: 1515754.9/71

- 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: -1145.010+/-240.554 χ^2/NDF:43.0/18

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

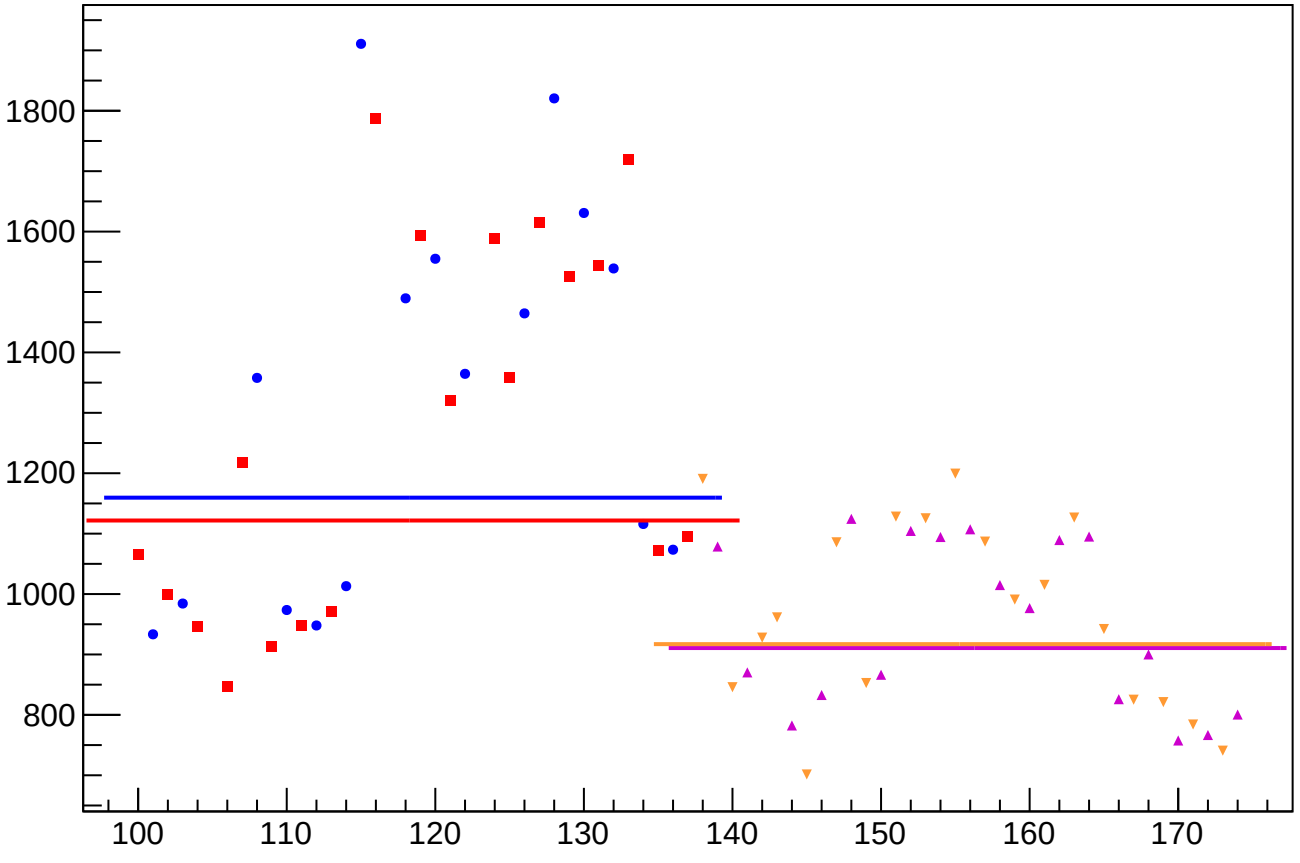
Left In: -119.456+/-239.365 χ^2/NDF:19.8/17

+ sign -933.756+/-211.502 χ^2/NDF: 66.8/34

All: -642.956+/-148.420 χ^2/NDF: 109.0/71

- 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: 917.096+/-0.170 χ^2/NDF:804040.6/18

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

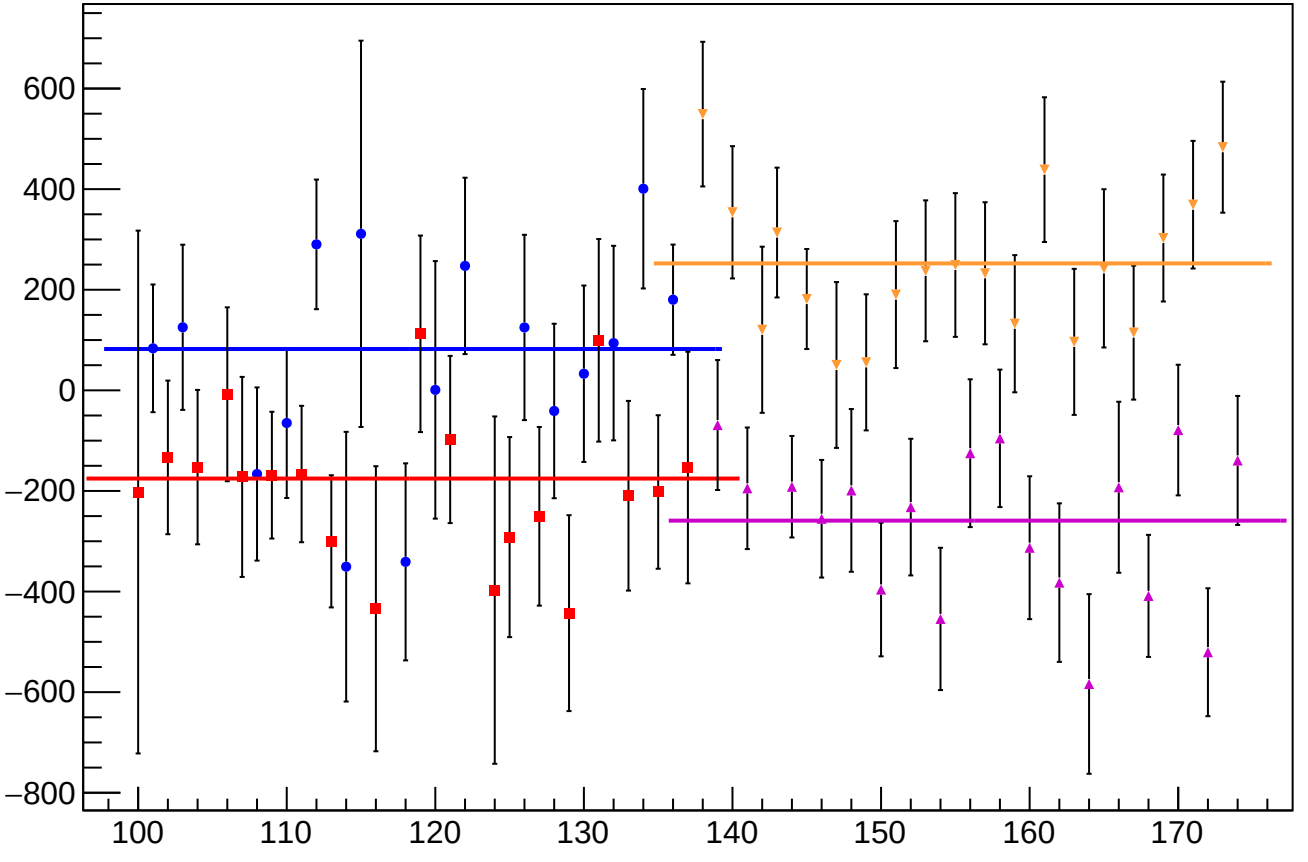
Left In: 910.626+/-0.169 χ^2/NDF:596434.7/17

+ sign 972.126+/-0.150 χ^2/NDF: 1948904.4/34

All: 966.898+/-0.105 χ^2/NDF: 3707354.8/71

- sign 961.827+/-0.147 χ^2/NDF: 1756043.3/36

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 252.362+/-31.270 χ^2/NDF:18.9/18

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

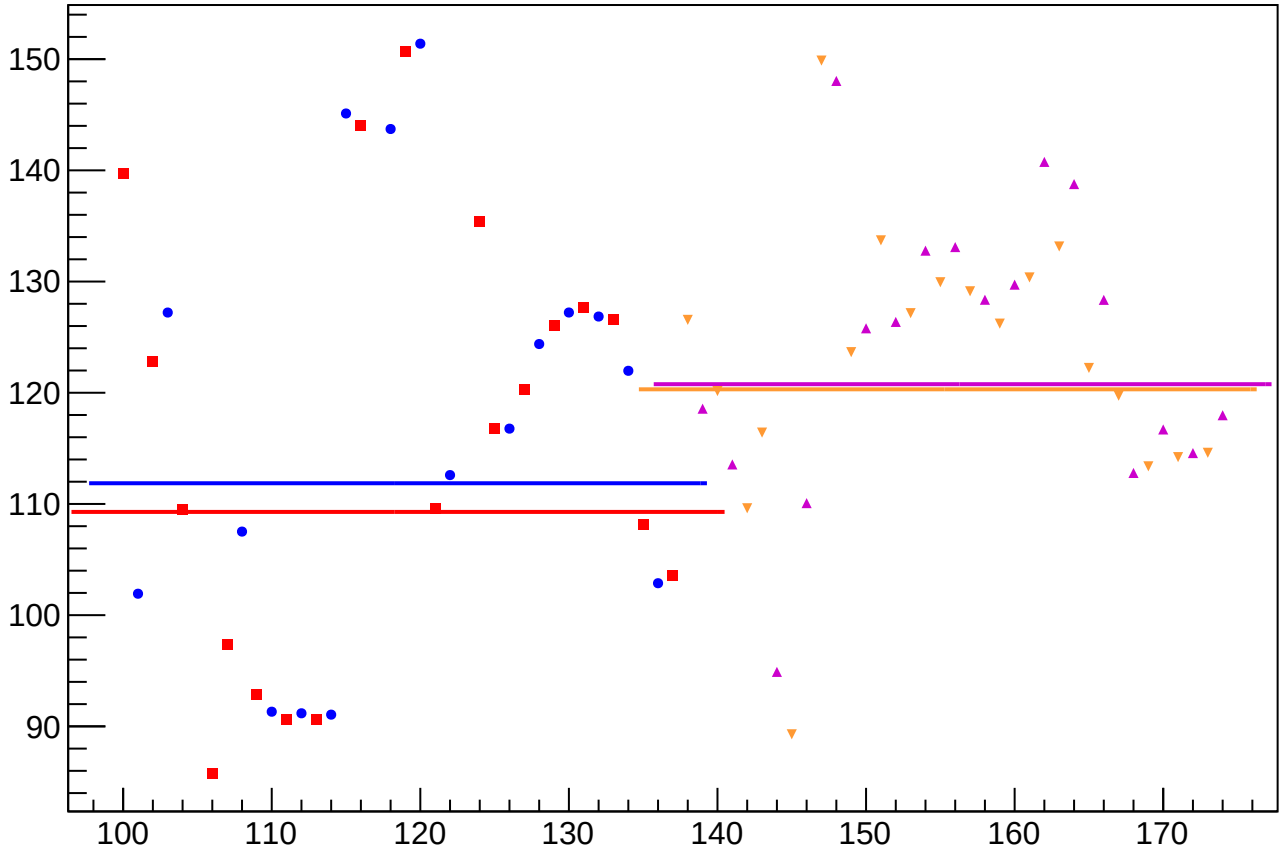
Left In: -259.042+/-31.555 χ^2/NDF:21.1/17

+ sign 191.918+/-25.110 χ^2/NDF: 47.8/34

All: -19.327+/-17.693 χ^2/NDF: 222.0/71

- 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: 120.309+/-0.022 χ^2/NDF:356588.7/18

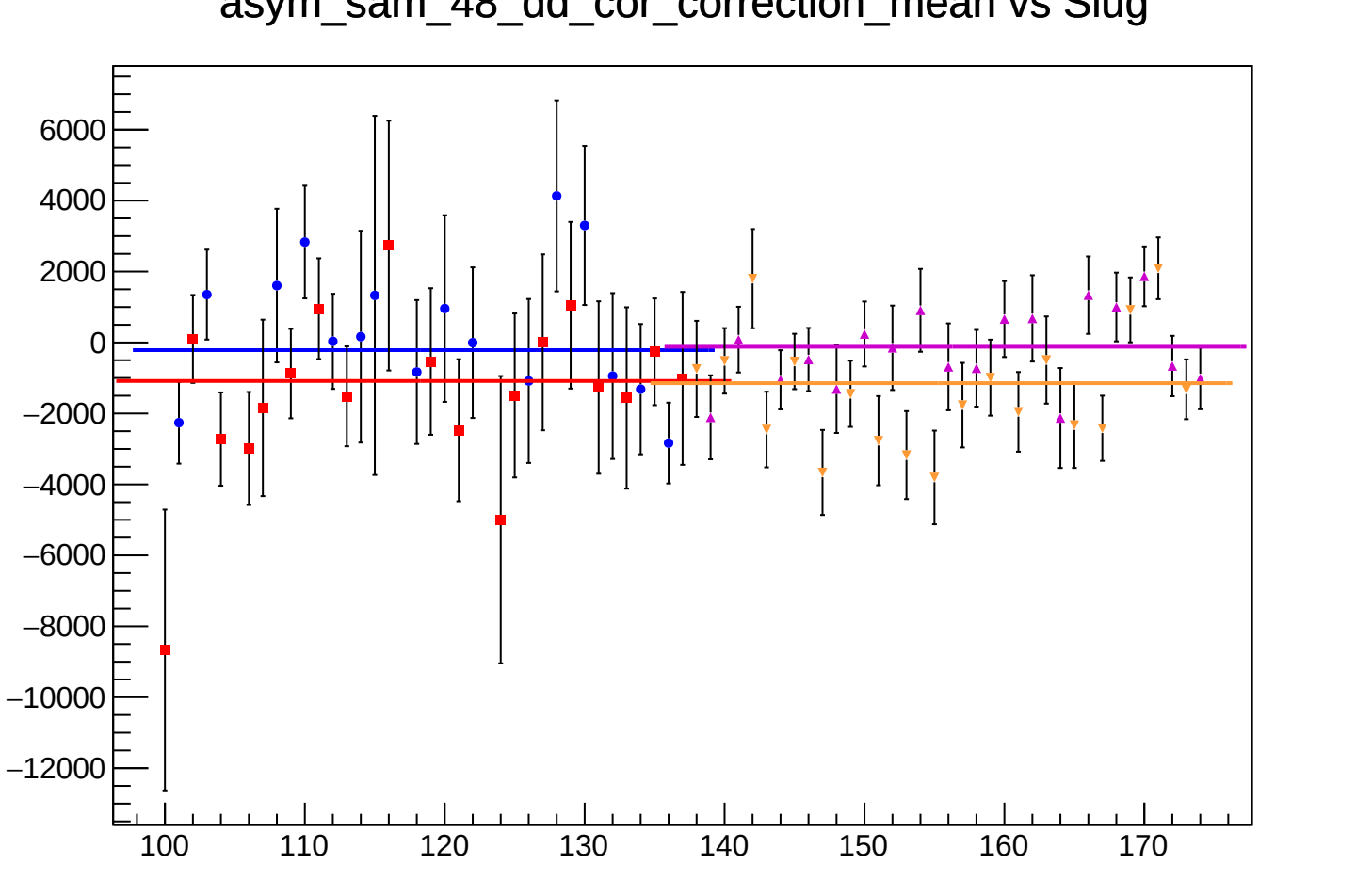
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 120.770+/-0.022 χ^2/NDF:334380.5/17

+ sign 117.309+/-0.018 χ^2/NDF: 714445.9/34

All: 116.879+/-0.013 χ^2/NDF: 1520256.0/71

- 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: -1145.010+/-240.554 χ^2/NDF:43.0/18

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

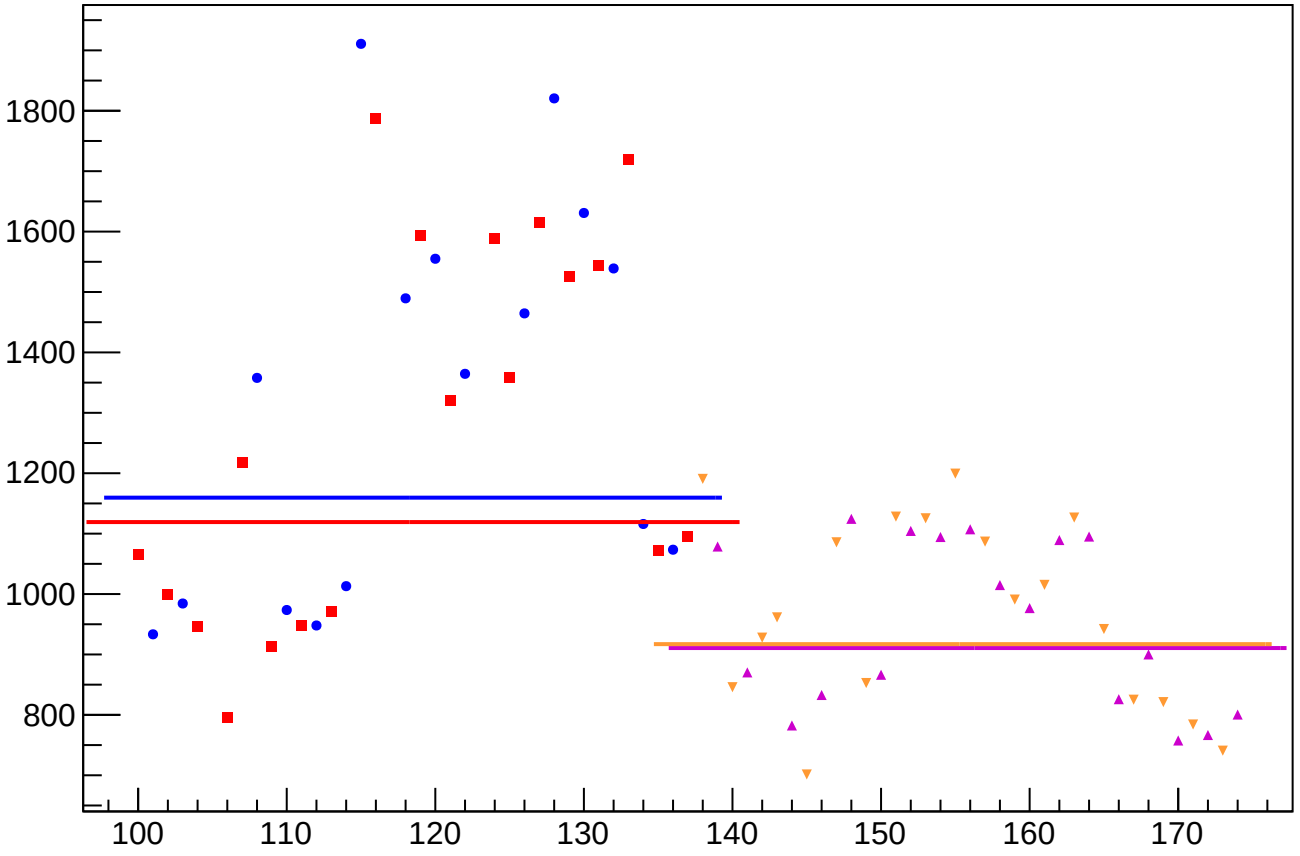
Left In: -119.461+/-239.366 χ^2/NDF:19.8/17

+ sign -933.779+/-211.503 χ^2/NDF: 66.8/34

All: -638.992+/-148.452 χ^2/NDF: 108.2/71

- sign -352.747+/-208.416 χ^2/NDF: 37.6/36

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 917.096+/-0.170 χ^2/NDF:804040.2/18

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

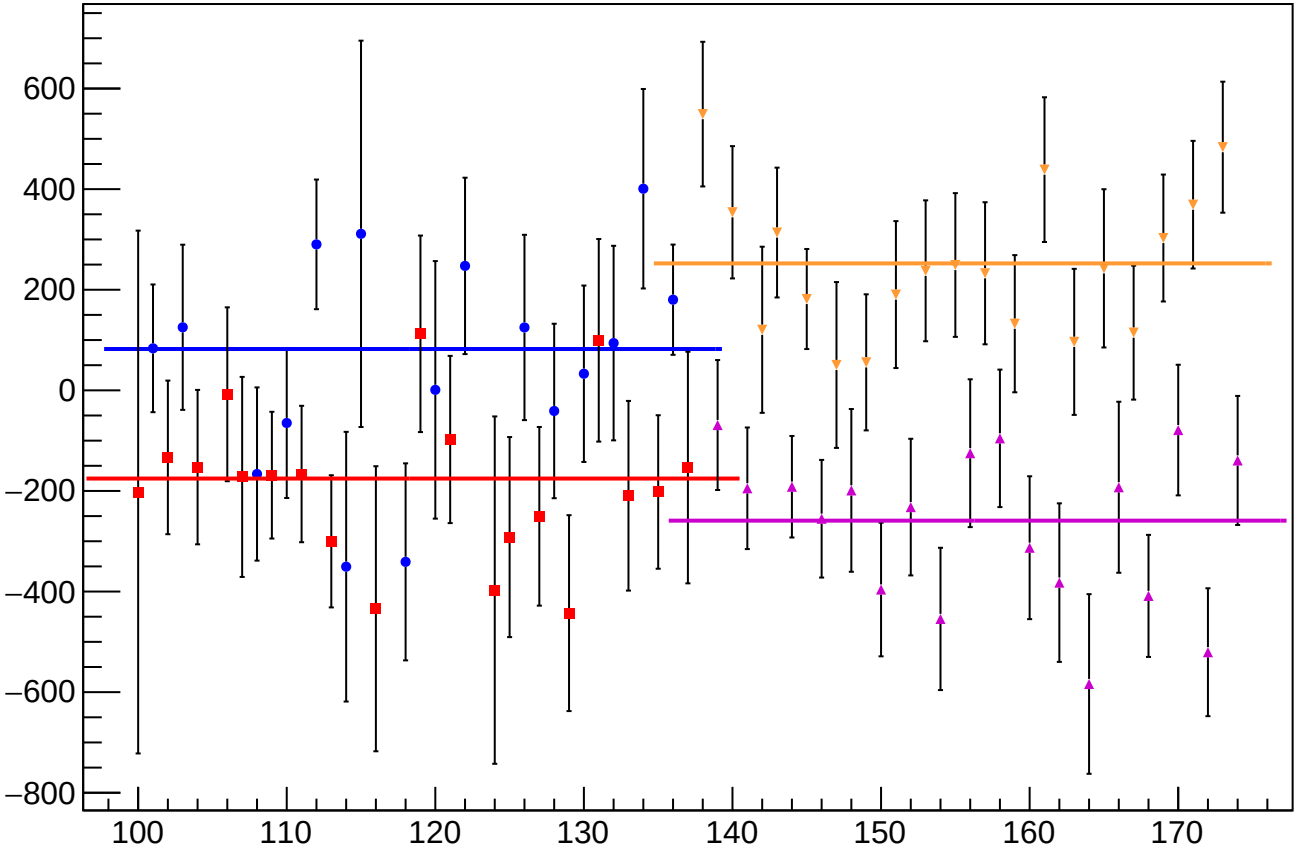
Left In: 910.626+/-0.169 χ^2/NDF:596435.3/17

+ sign 972.128+/-0.150 χ^2/NDF: 1948904.4/34

All: 966.515+/-0.105 χ^2/NDF: 3718415.1/71

- 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: 252.362+/-31.270 χ^2/NDF:18.9/18

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

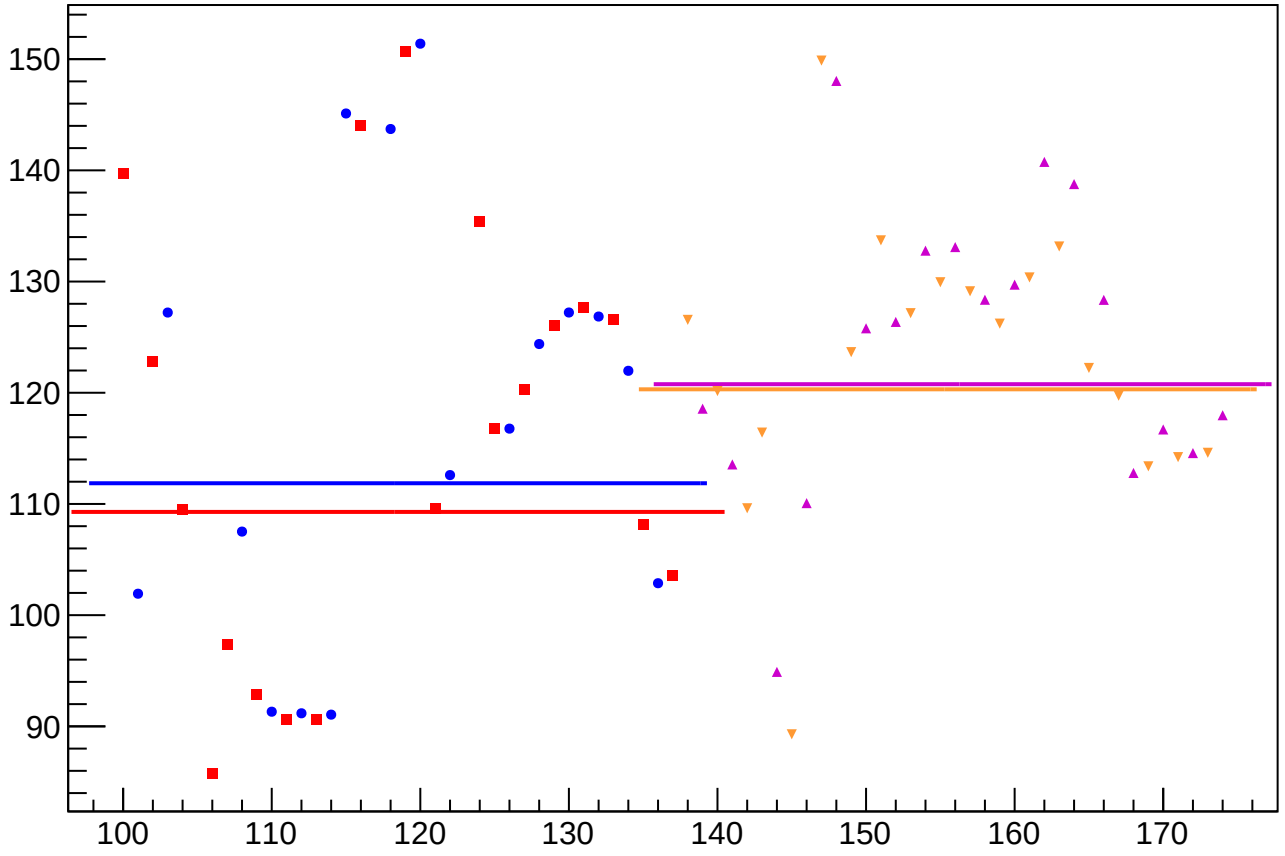
Left In: -259.042+/-31.555 χ^2/NDF:21.1/17

+ sign 191.918+/-25.110 χ^2/NDF: 47.8/34

All: -19.327+/-17.693 χ^2/NDF: 222.0/71

- 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: 120.309+/-0.022 χ^2/NDF:356588.7/18

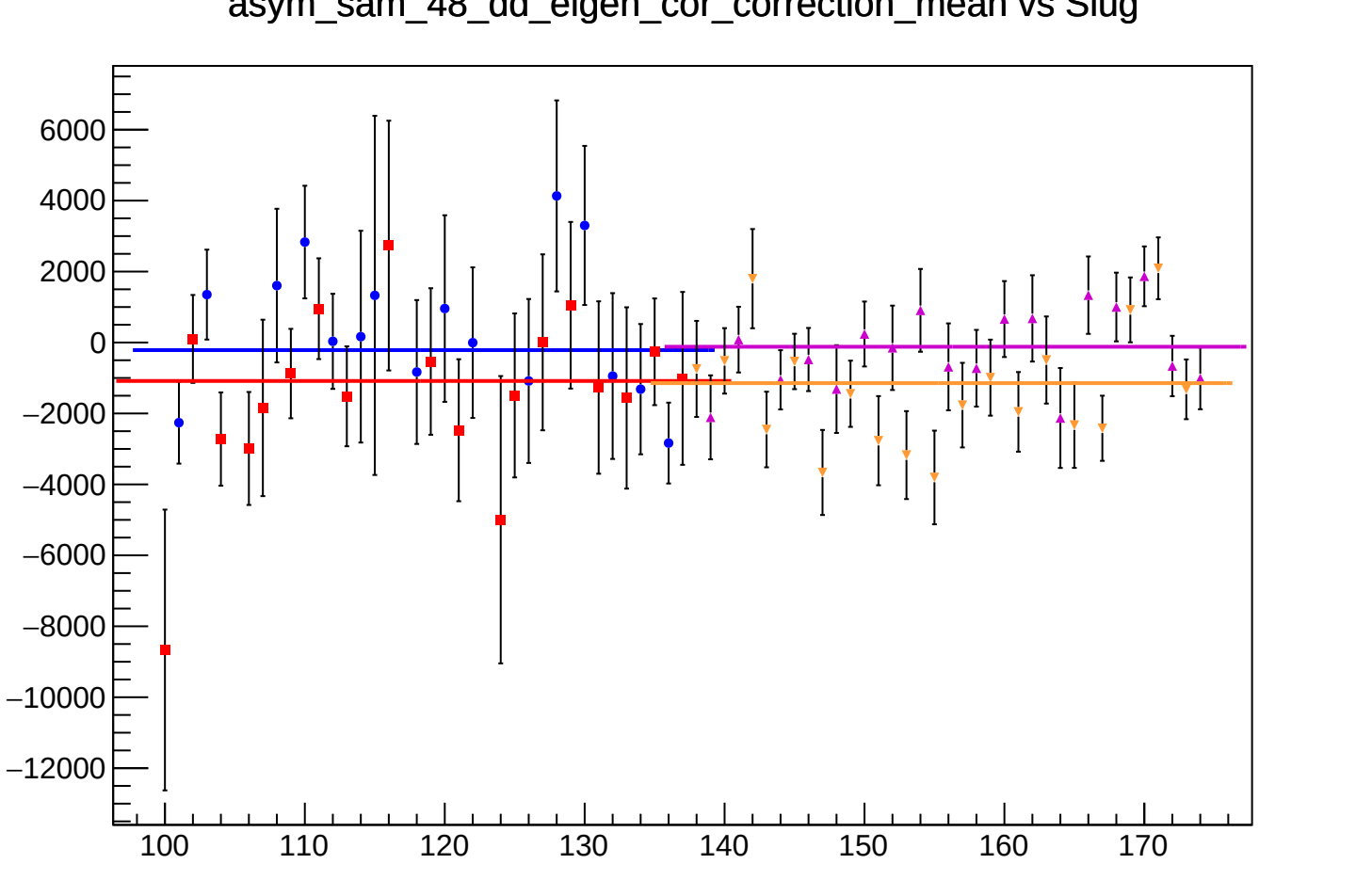
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 120.770+/-0.022 χ^2/NDF:334380.5/17

+ sign 117.309+/-0.018 χ^2/NDF: 714445.9/34

All: 116.879+/-0.013 χ^2/NDF: 1520256.0/71

- 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: -1145.010+/-240.554 χ^2/NDF:43.0/18

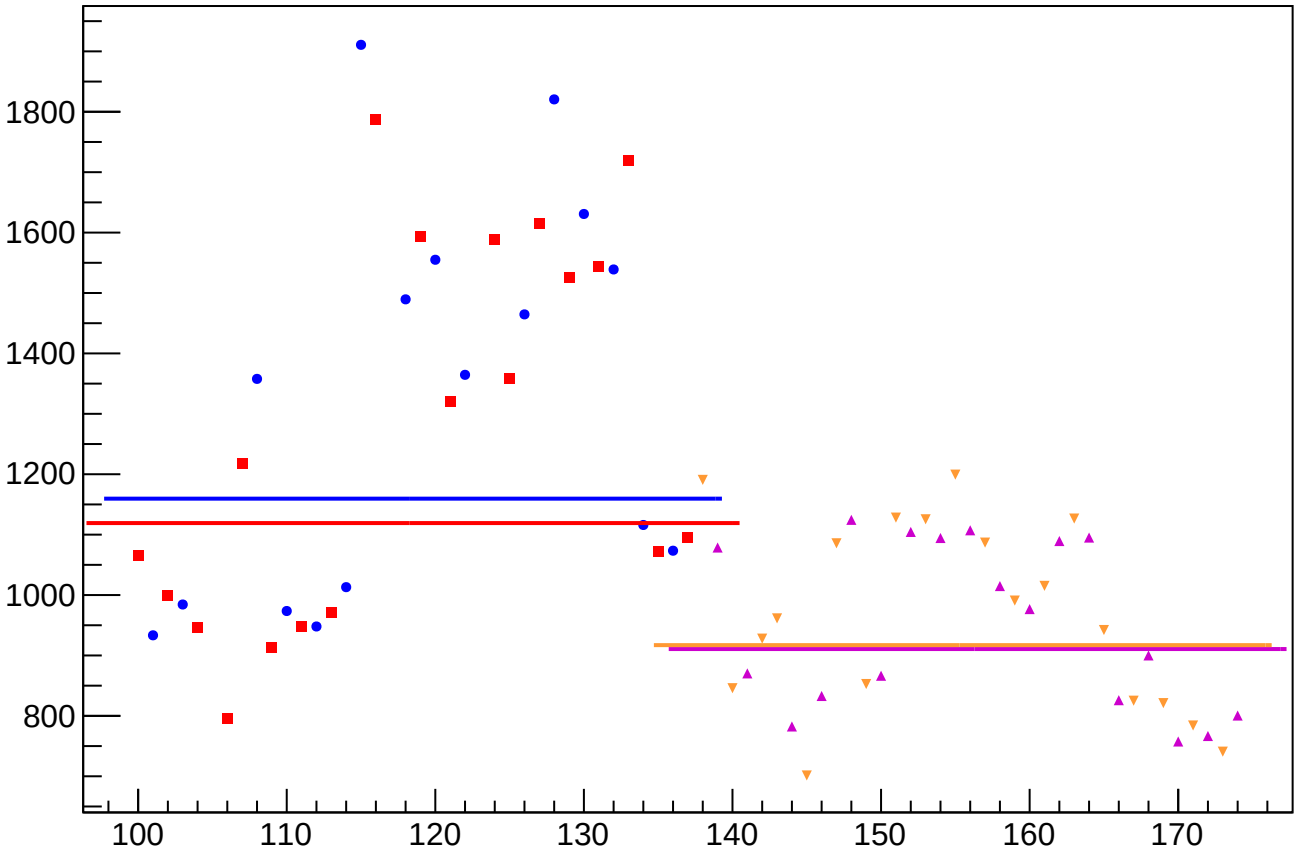
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -119.461+/-239.366 χ^2/NDF:19.8/17

+ sign -933.779+/-211.503 χ^2/NDF: 66.8/34

All: -638.992+/-148.452 χ^2/NDF: 108.2/71

- 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: 917.096+/-0.170 χ^2/NDF:804040.2/18

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

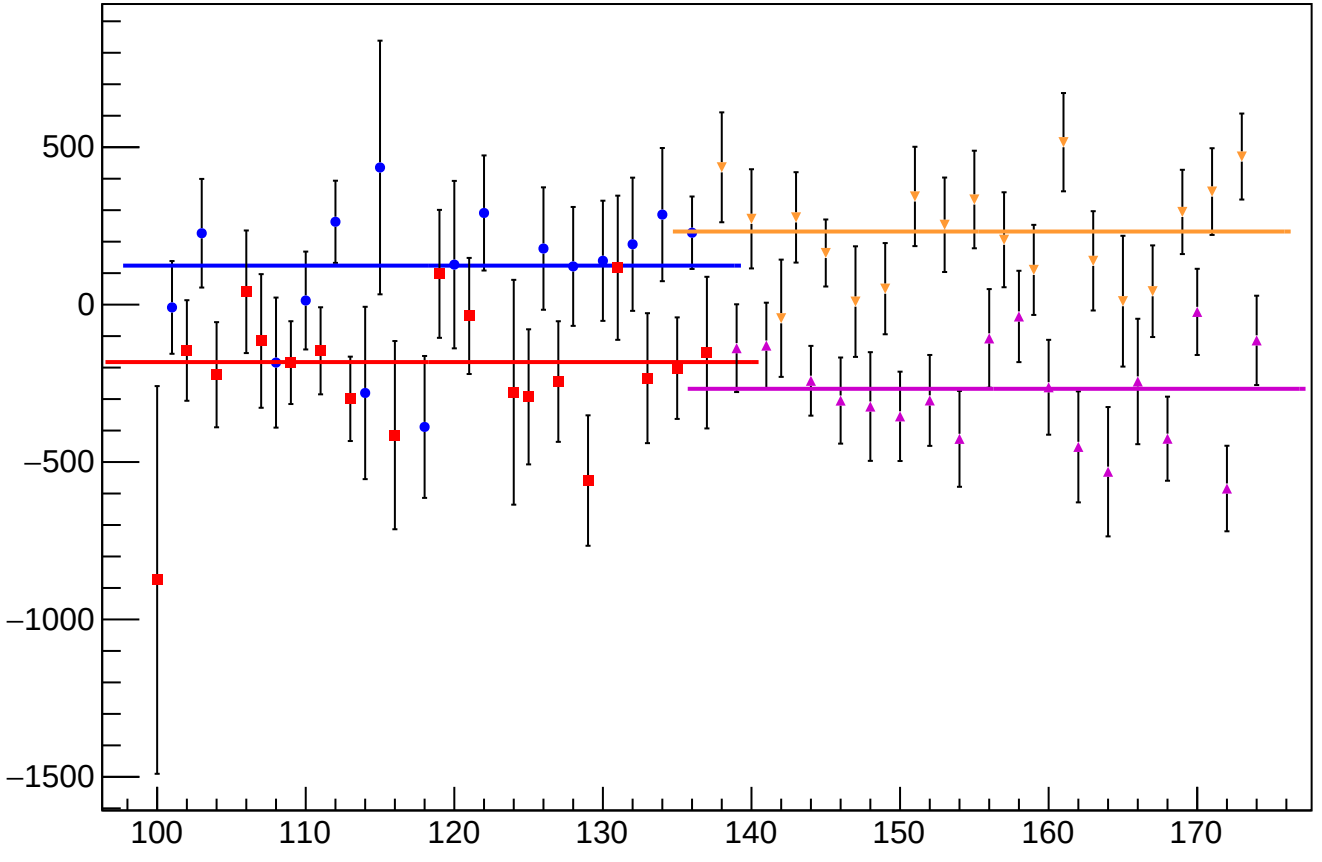
Left In: 910.626+/-0.169 χ^2/NDF:596435.3/17

+ sign 972.128+/-0.150 χ^2/NDF: 1948904.4/34

All: 966.515+/-0.105 χ^2/NDF: 3718415.1/71

- 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: 232.190+/-34.269 χ^2/NDF:19.6/18

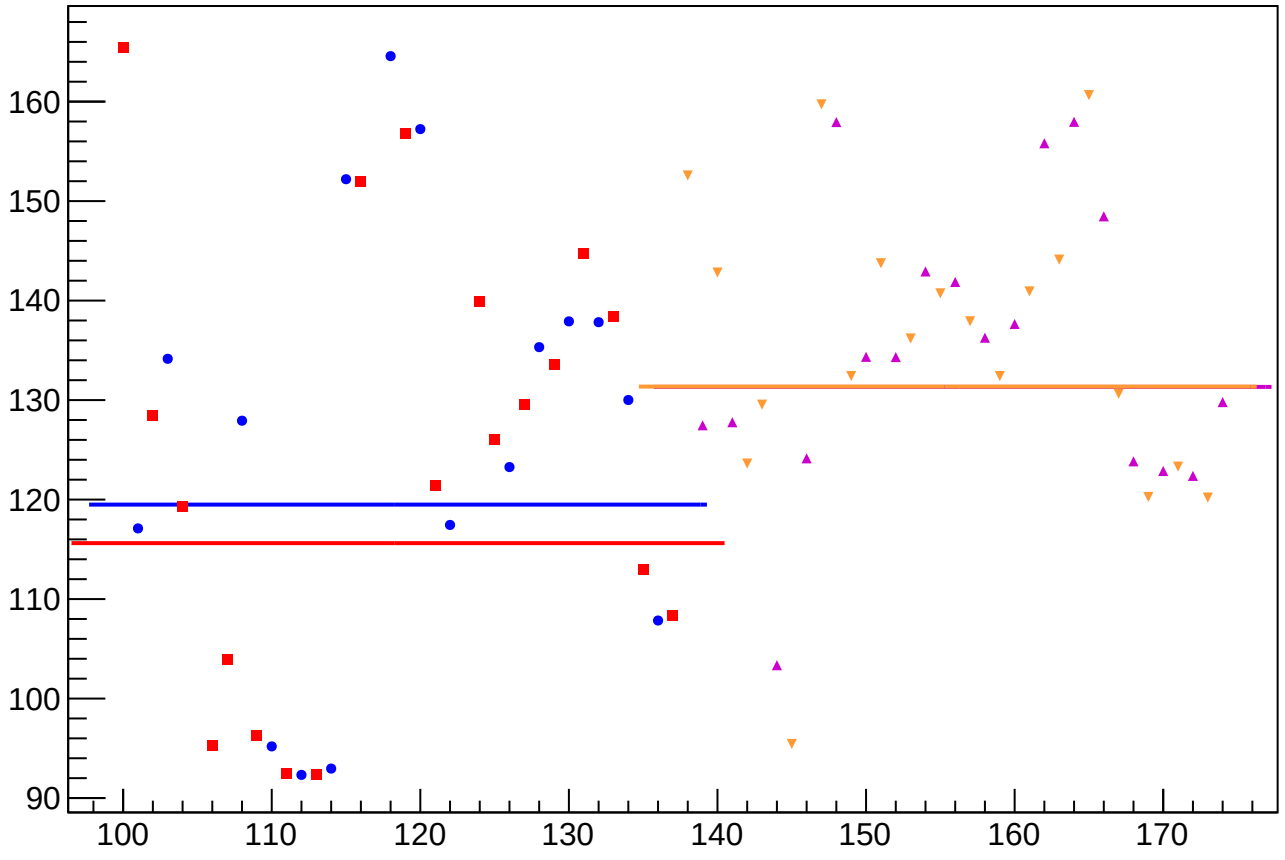
Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: -267.408+/-34.478 χ^2/NDF:21.2/17

+ sign 192.703+/-27.316 χ^2/NDF: 38.7/34

All: -23.691+/-19.186 χ^2/NDF: 198.3/71

- sign -234.379+/-26.954 χ^2/NDF: 35.8/36



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 131.357+/-0.024 χ^2/NDF:443736.4/18

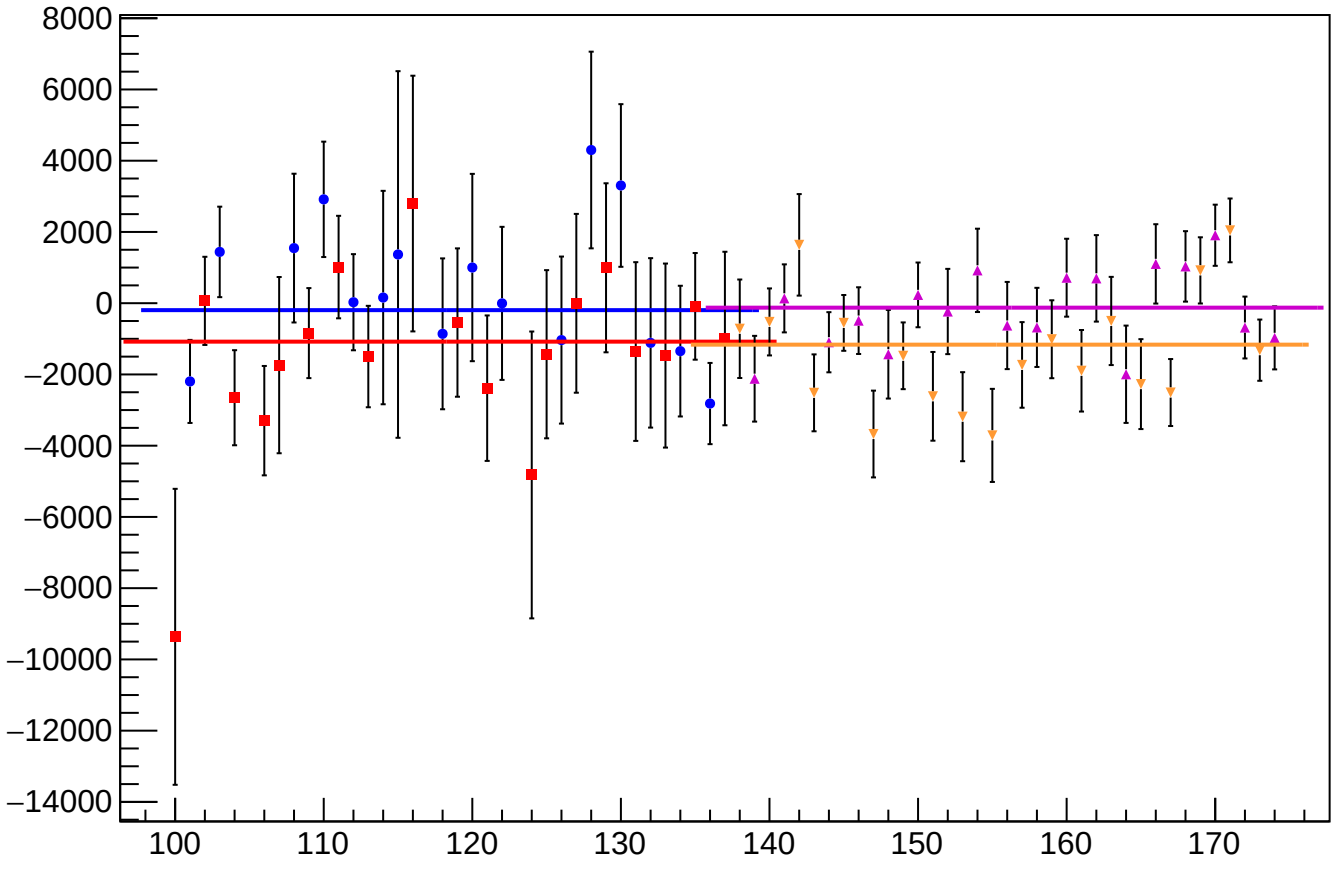
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 131.324+/-0.024 χ^2/NDF:321535.2/17

+ sign 127.032+/-0.019 χ^2/NDF: 911367.7/34

All: 126.113+/-0.014 χ^2/NDF: 1825642.8/71

- 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: -1163.876+/-244.104 χ^2/NDF:40.4/18

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

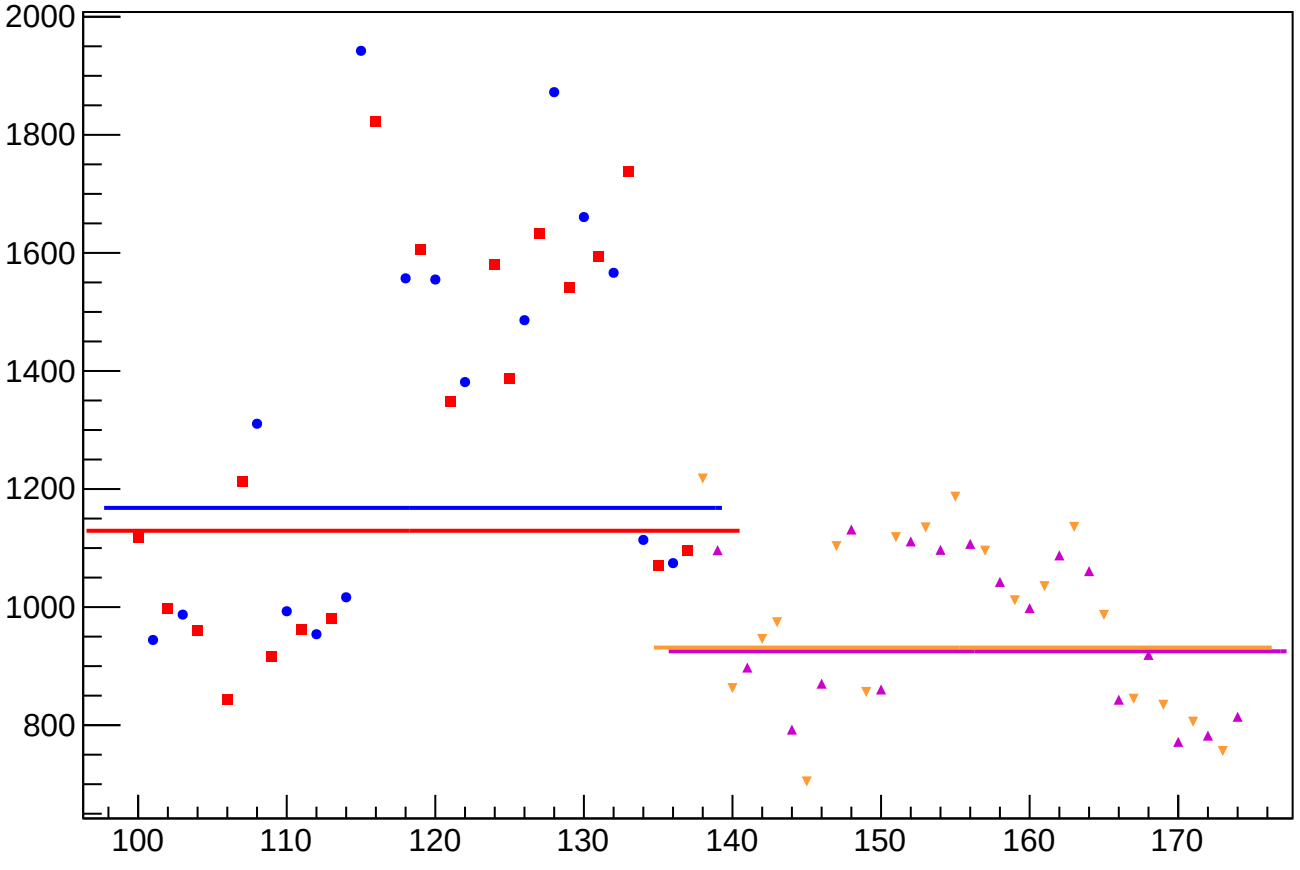
Left In: -125.512+/-243.009 χ^2/NDF:19.2/17

+ sign -941.587+/-214.277 χ^2/NDF: 64.4/34

All: -646.285+/-150.371 χ^2/NDF: 105.7/71

- 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: 931.454+/-0.173 χ^2/NDF:779249.0/18

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

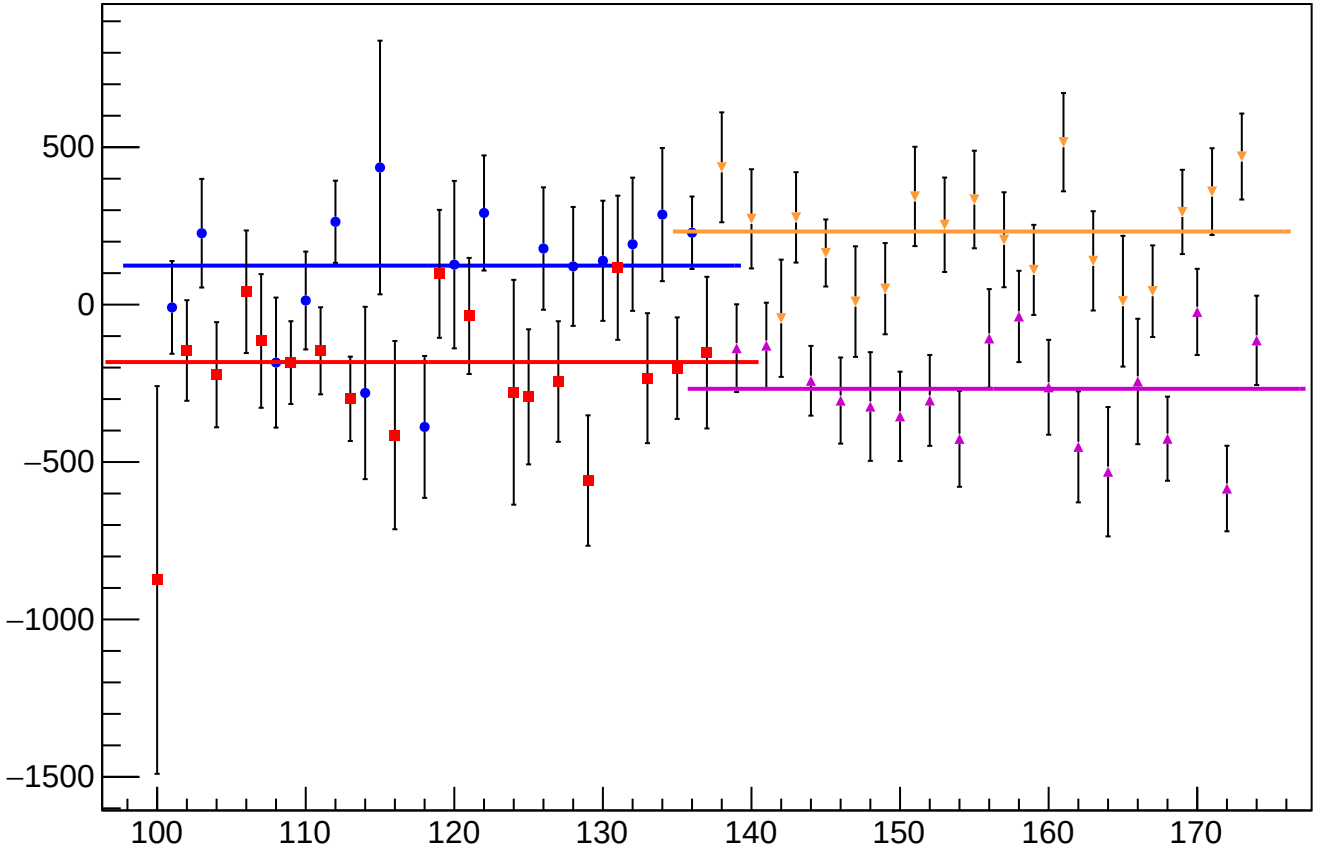
Left In: 925.110+/-0.172 χ^2/NDF:546437.5/17

+ sign 985.744+/-0.152 χ^2/NDF: 1919764.0/34

All: 980.420+/-0.106 χ^2/NDF: 3622654.8/71

- 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: 232.193+/-34.269 χ^2/NDF:19.6/18

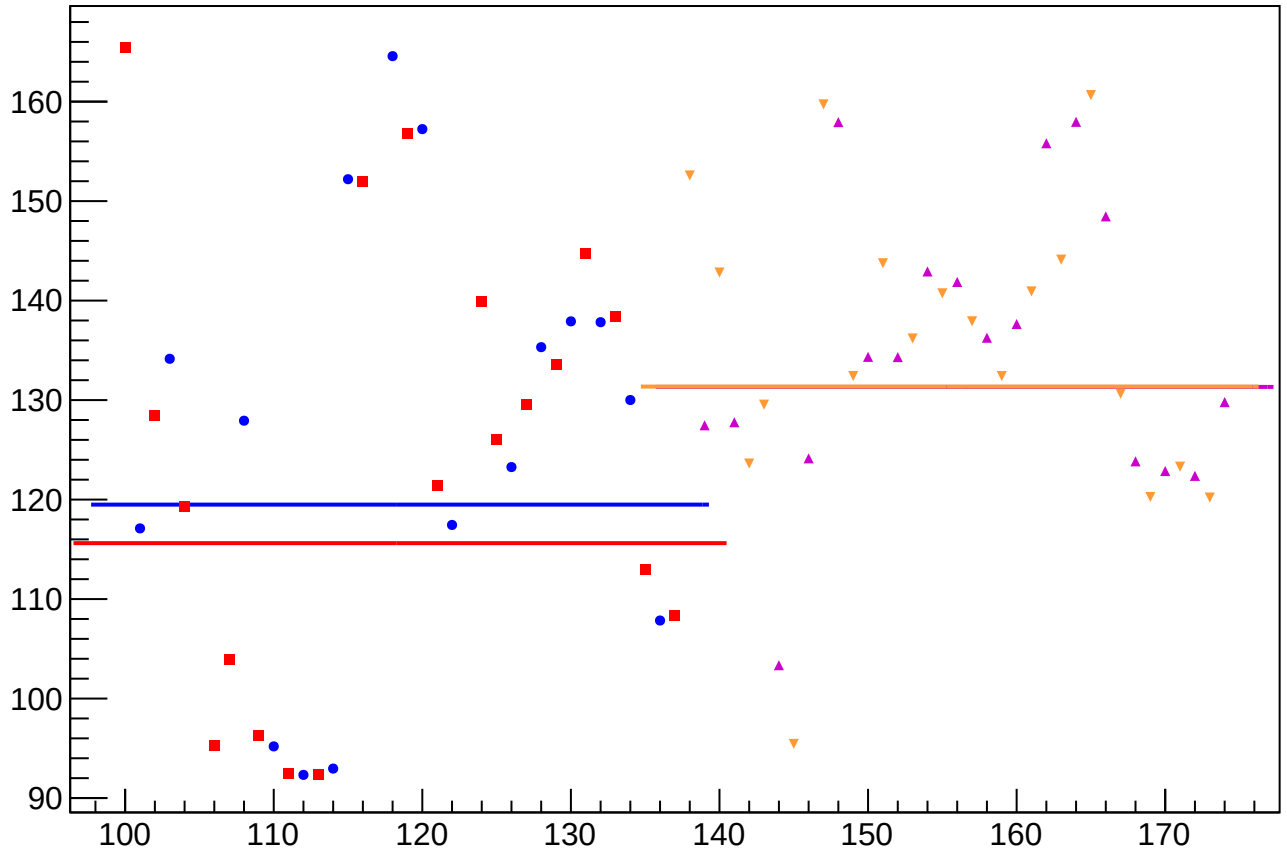
Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: -267.409+/-34.478 χ^2/NDF:21.2/17

+ sign 192.706+/-27.316 χ^2/NDF: 38.7/34

All: -23.690+/-19.186 χ^2/NDF: 198.3/71

- sign -234.379+/-26.954 χ^2/NDF: 35.8/36



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 131.357+/-0.024 χ^2/NDF:443738.0/18

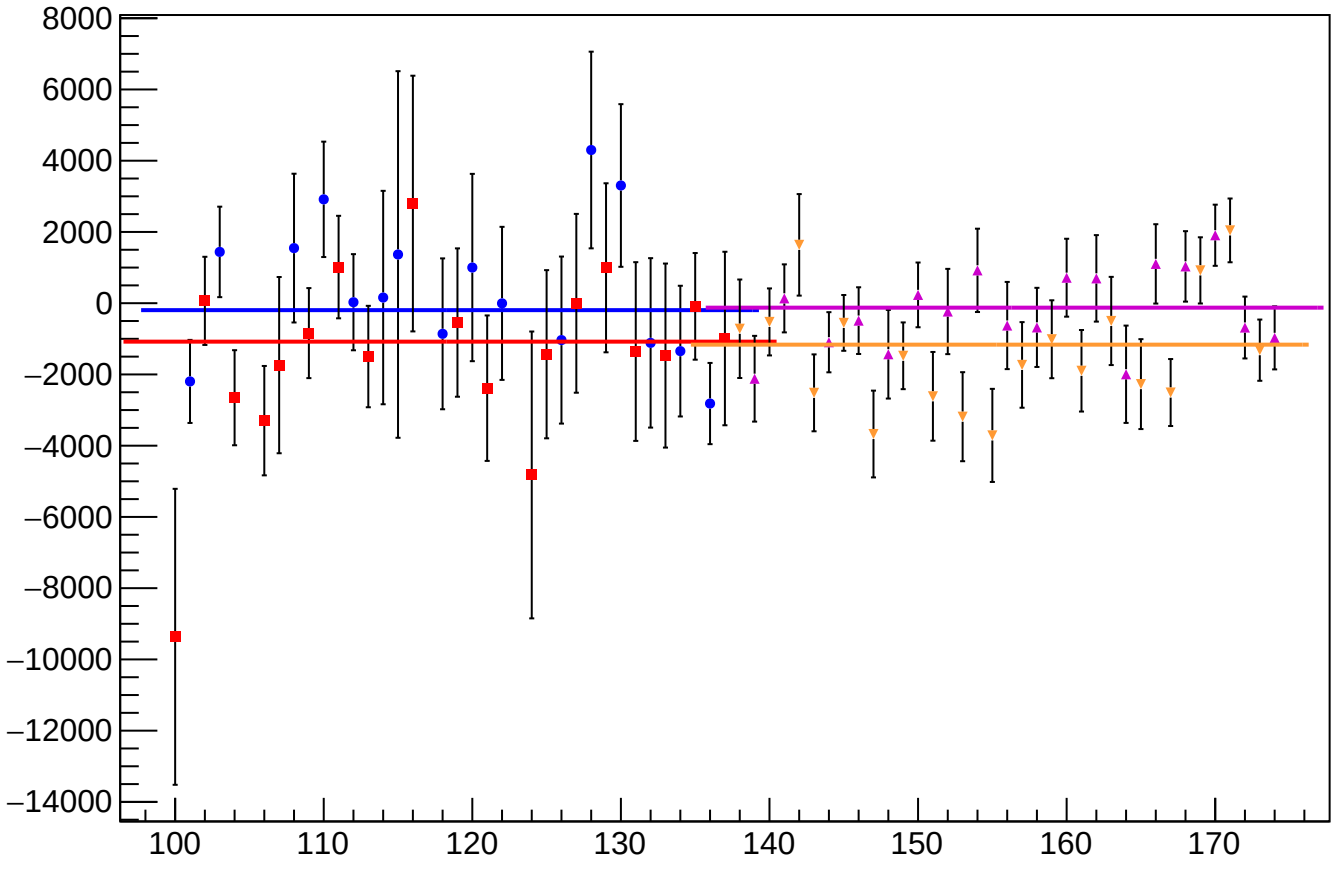
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 131.324+/-0.024 χ^2/NDF:321535.4/17

+ sign 127.032+/-0.019 χ^2/NDF: 911372.9/34

All: 126.113+/-0.014 χ^2/NDF: 1825654.6/71

- 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: -1163.873+/-244.103 χ^2/NDF:40.4/18

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

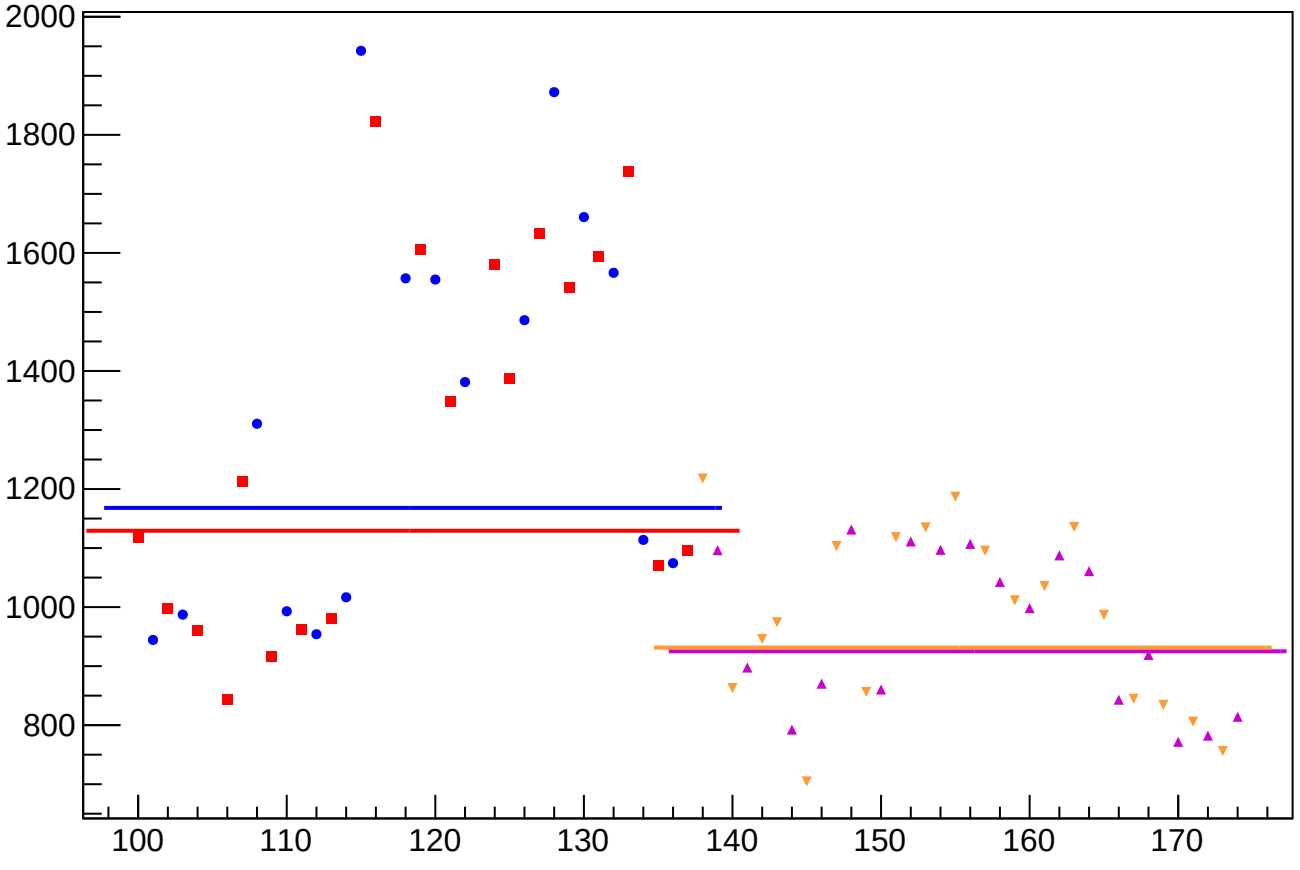
Left In: -125.511+/-243.008 χ^2/NDF:19.2/17

+ sign -941.586+/-214.277 χ^2/NDF: 64.4/34

All: -646.284+/-150.371 χ^2/NDF: 105.7/71

- 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: 931.453+/-0.173 χ^2/NDF:779252.7/18

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

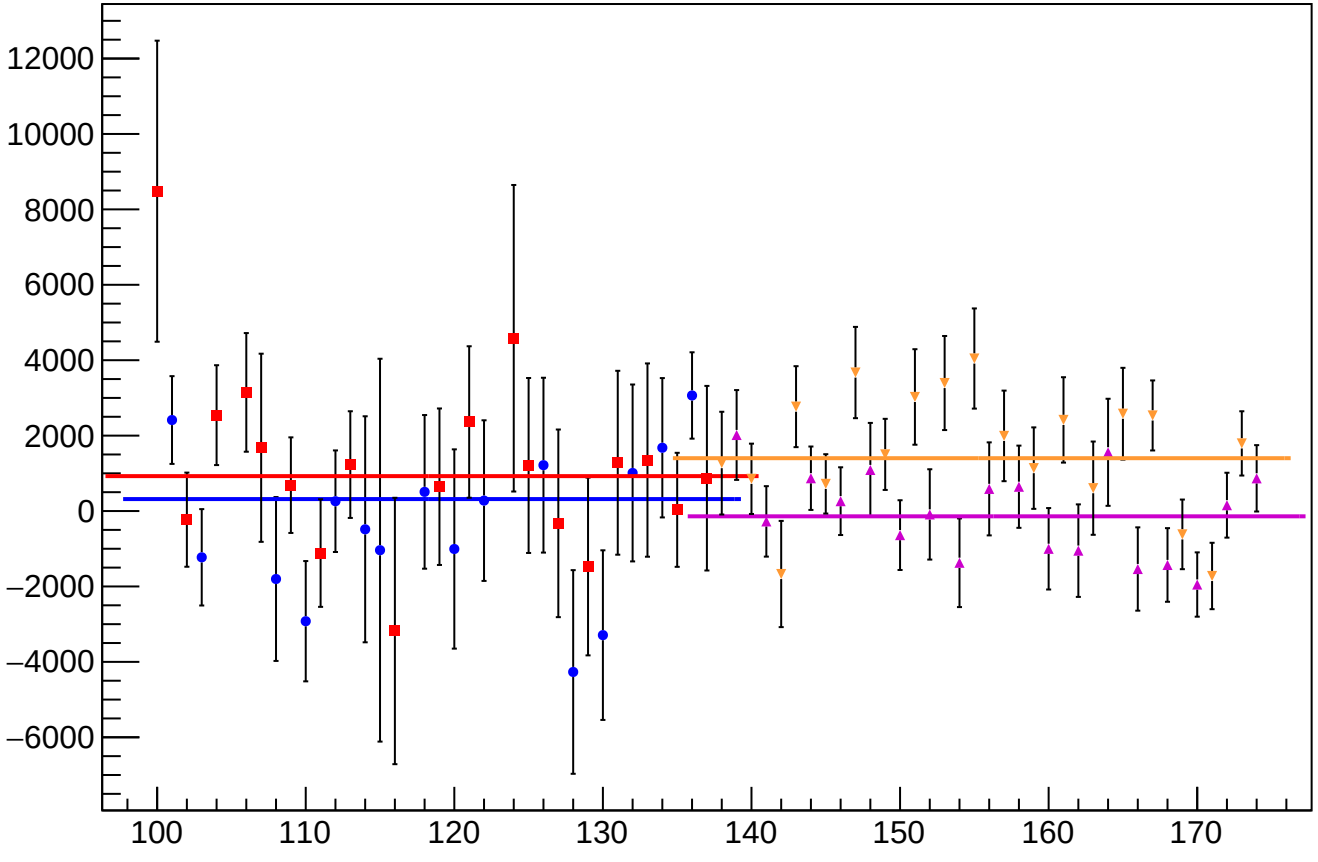
Left In: 925.110+/-0.172 χ^2/NDF:546438.4/17

+ sign 985.743+/-0.152 χ^2/NDF: 1919772.3/34

All: 980.419+/-0.106 χ^2/NDF: 3622667.0/71

- 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: 1401.596+/-242.704 χ^2/NDF:40.7/18

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

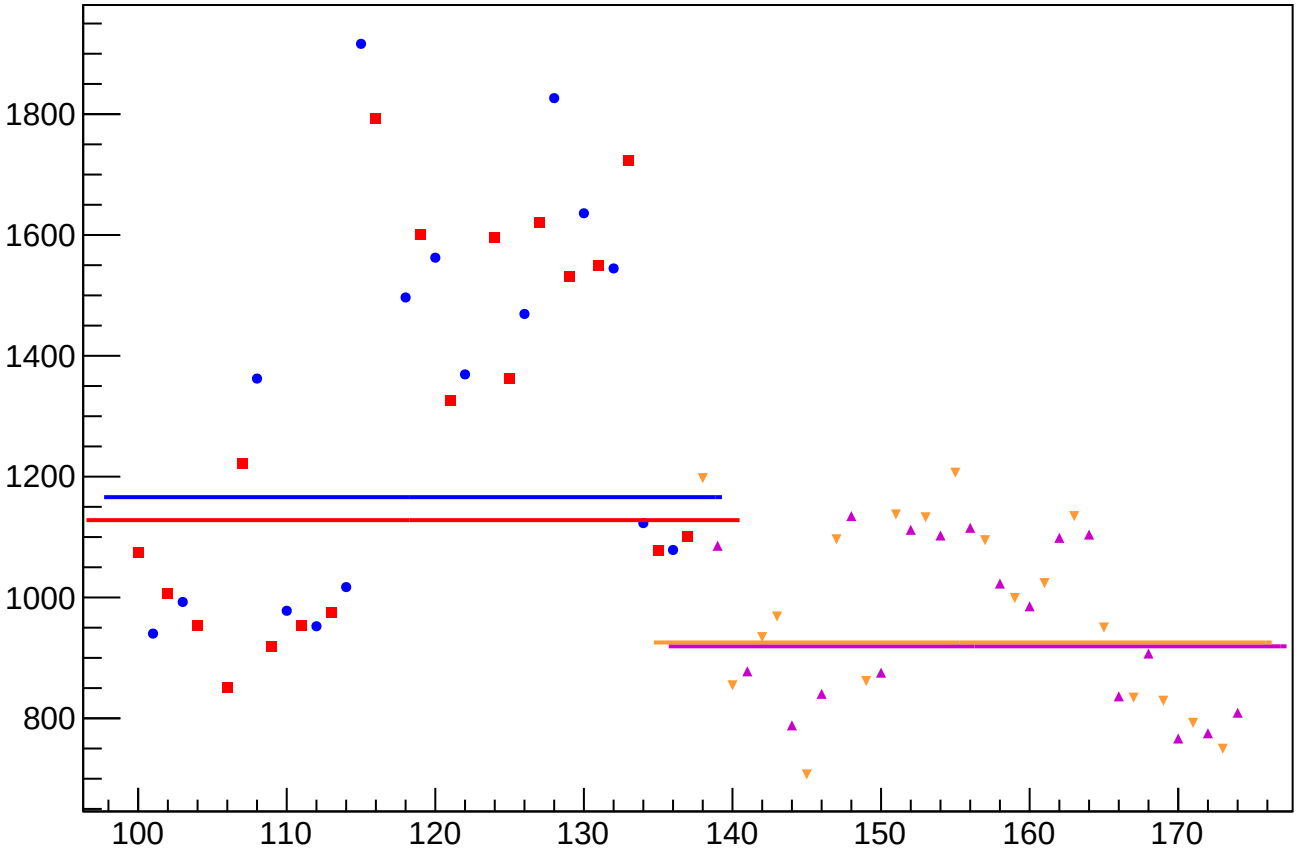
Left In: -140.027+/-241.554 χ^2/NDF:20.1/17

\+ sign 1154.169+/-213.220 χ^2/NDF: 67.4/34

All: 629.293+/-149.637 χ^2/NDF: 118.7/71

\- 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: 925.539+/-0.172 χ^2/NDF:792483.9/18

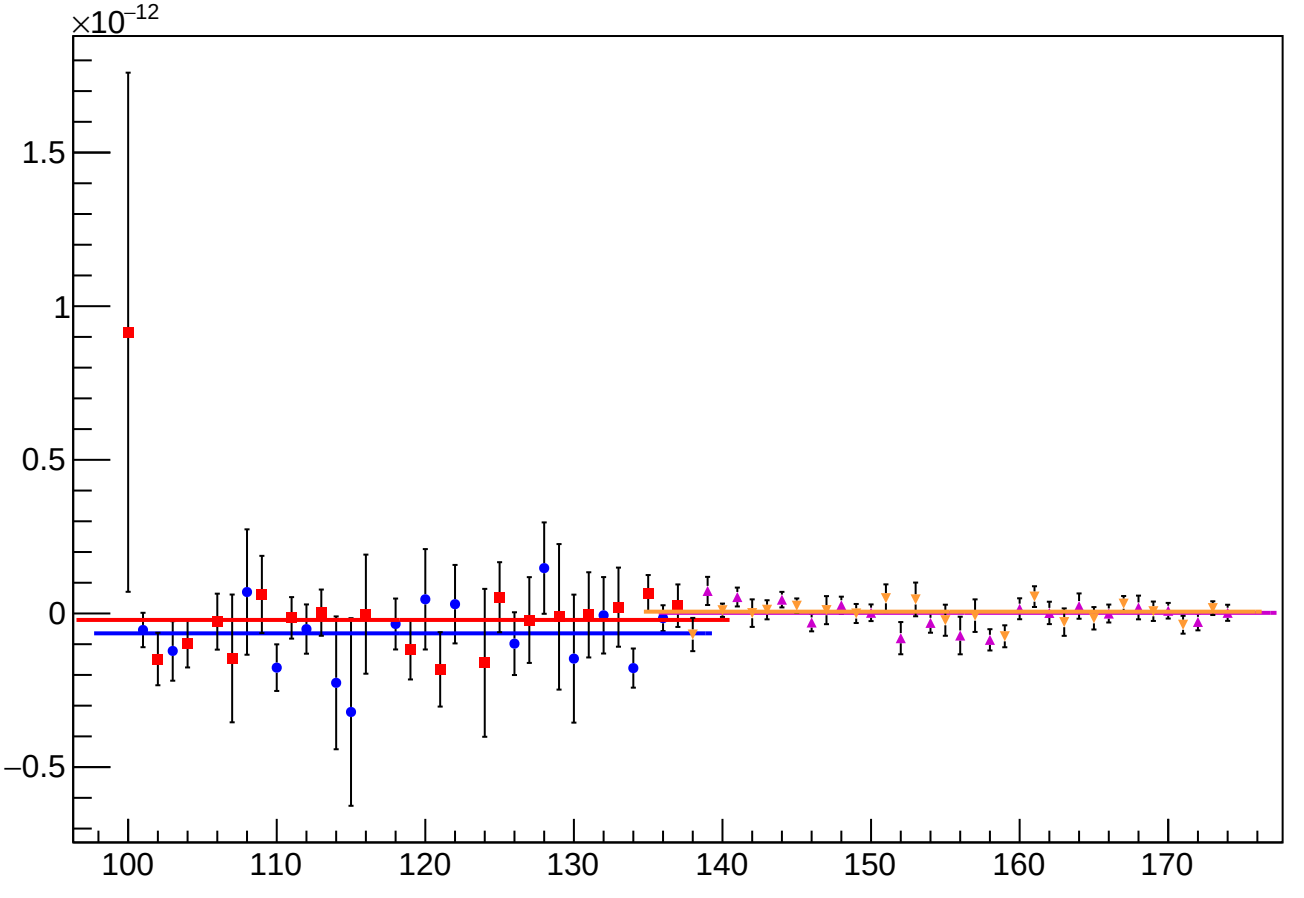
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 919.152+/-0.171 χ^2/NDF:587134.0/17

+ sign 980.426+/-0.151 χ^2/NDF: 1917767.2/34

All: 975.172+/-0.106 χ^2/NDF: 3647599.1/71

- 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:16.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

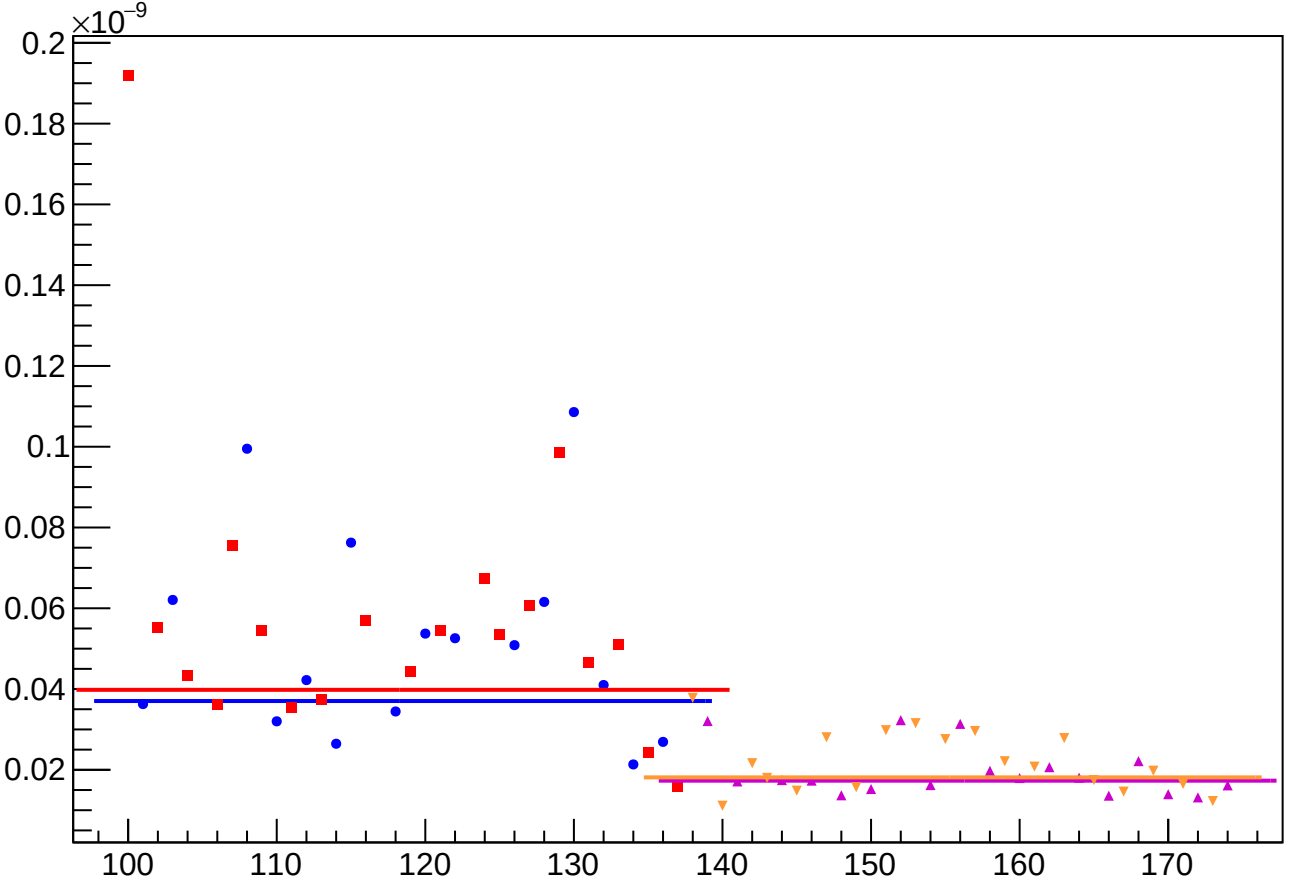
Left In: 0.000+/-0.000 χ^2/NDF:23.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 37.9/34

All: -0.000+/-0.000 χ^2/NDF: 73.7/71

- 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:1370746.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

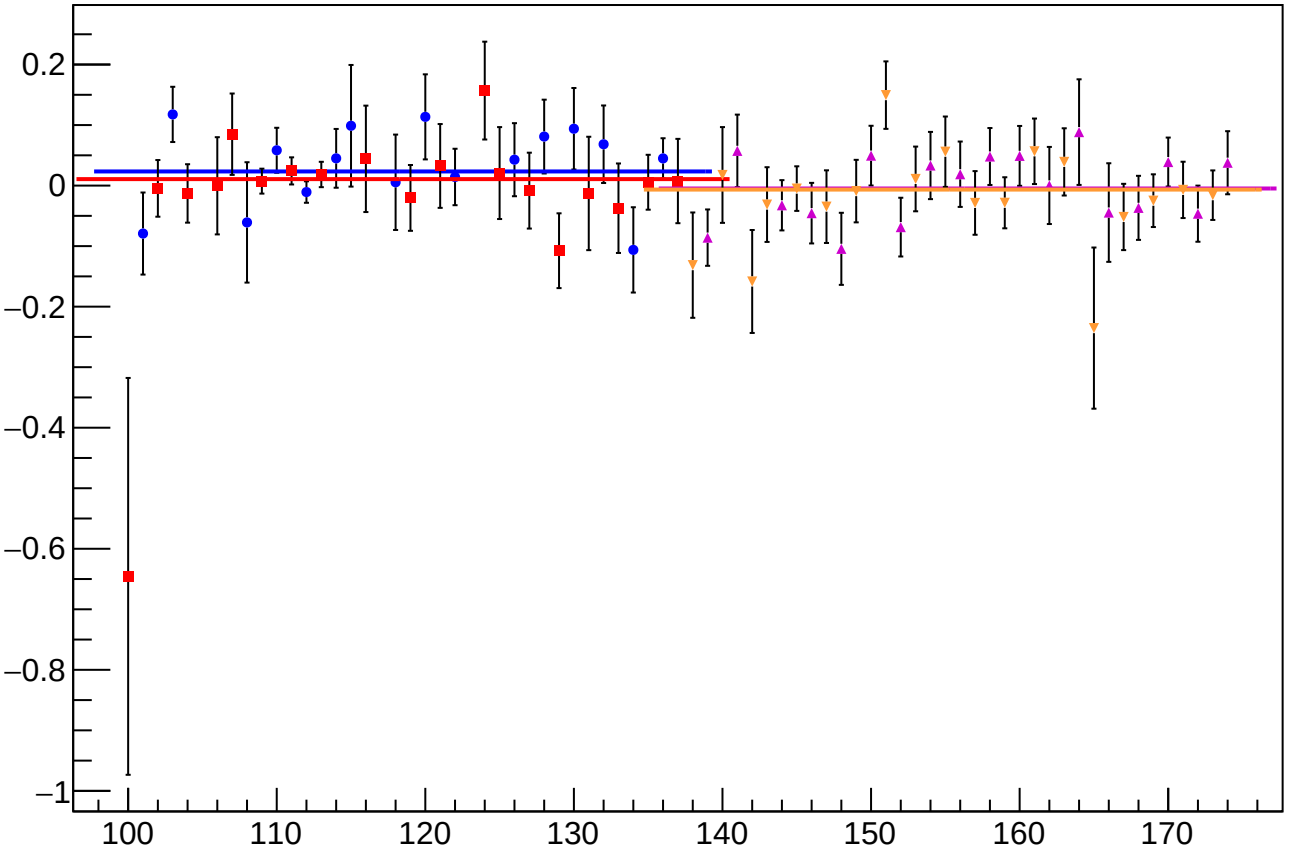
Left In: 0.000+/-0.000 χ^2/NDF:700051.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 3705655.9/34

All: 0.000+/-0.000 χ^2/NDF: 7032535.8/71

- 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: -0.007+/-0.012 χ^2/NDF:21.2/18

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

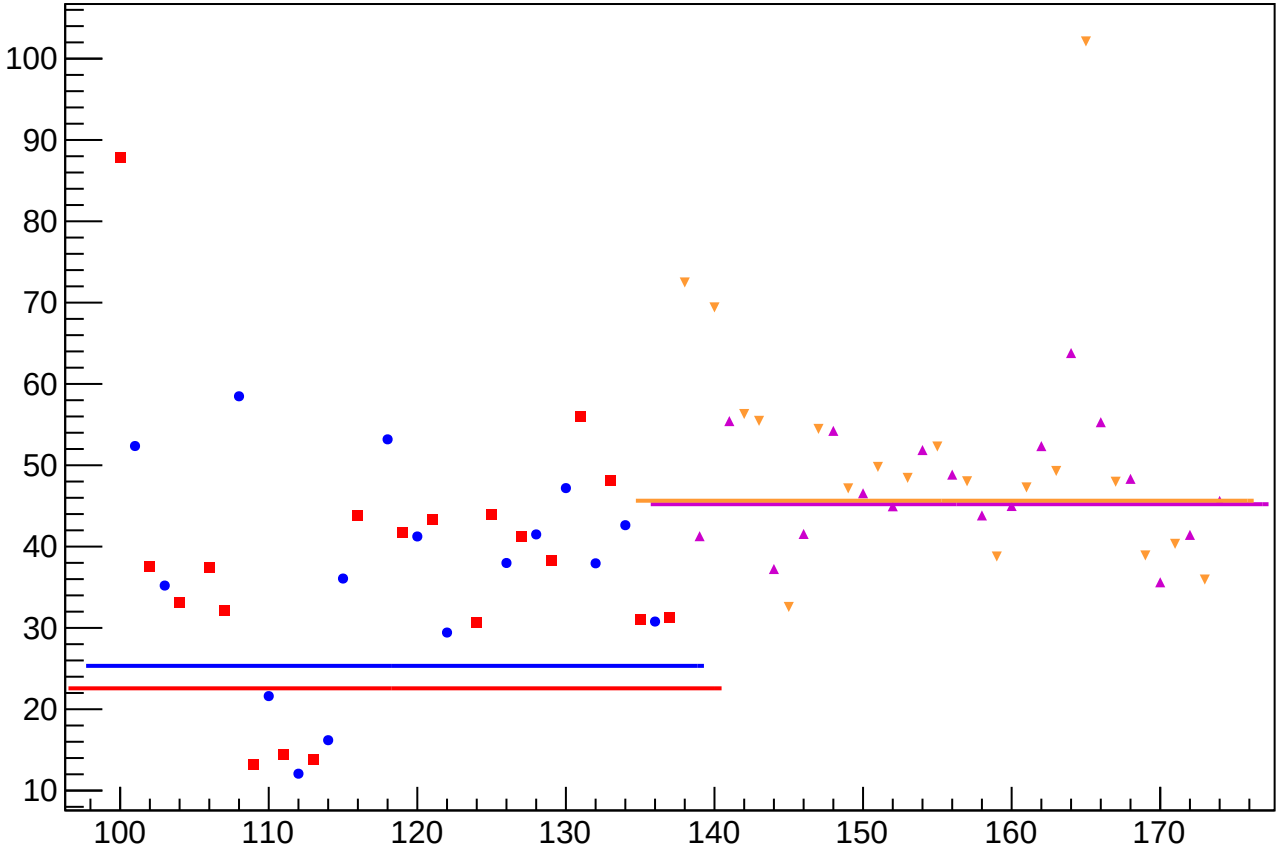
Left In: -0.005+/-0.012 χ^2/NDF:18.5/17

+ sign 0.010+/-0.008 χ^2/NDF: 45.2/34

All: 0.007+/-0.006 χ^2/NDF: 79.1/71

- 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: 45.642+/-0.009 χ^2/NDF:1409427.4/18

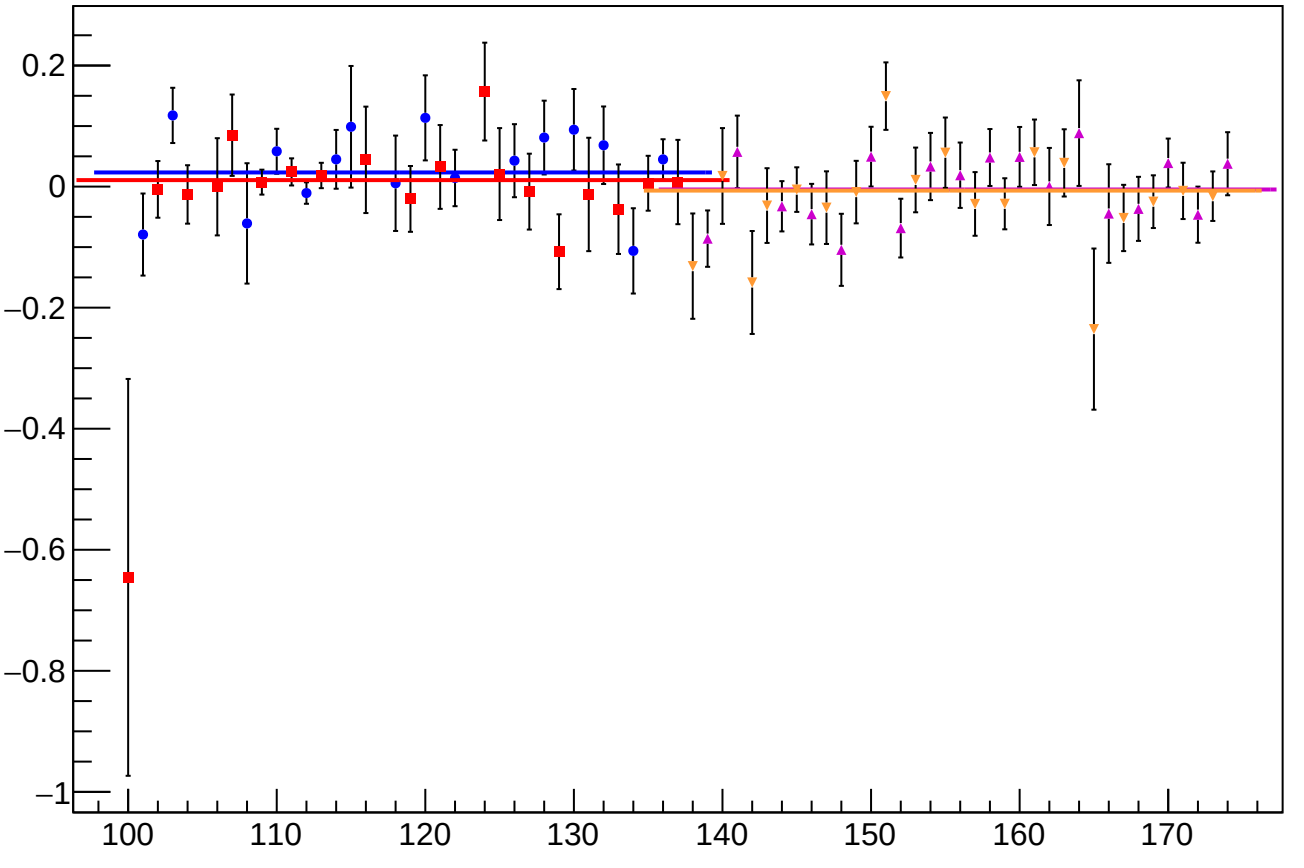
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.213+/-0.009 χ^2/NDF:523558.6/17

+ sign 34.425+/-0.006 χ^2/NDF: 7348533.4/34

All: 32.821+/-0.004 χ^2/NDF: 15331164.9/71

- 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: -0.007+/-0.012 χ^2/NDF:21.2/18

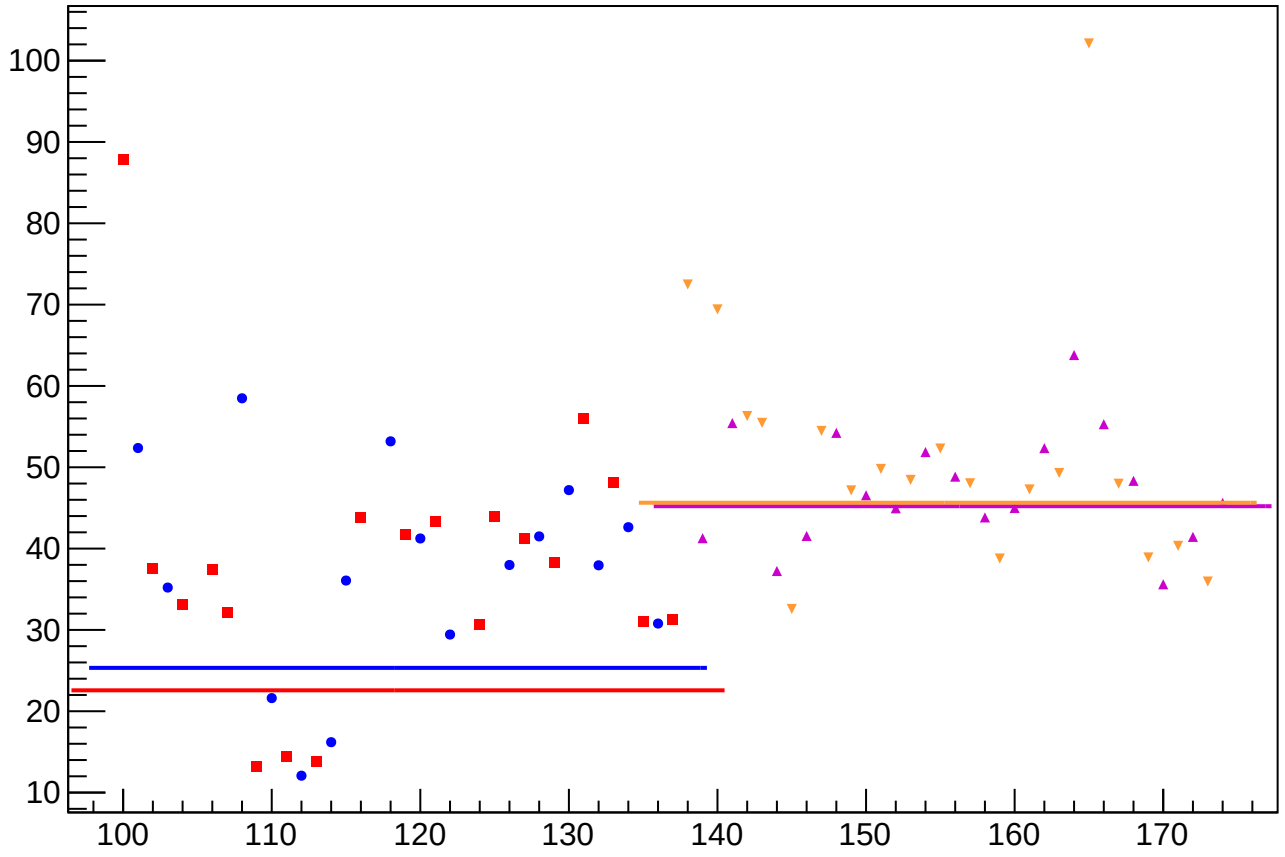
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.012 χ^2/NDF:18.5/17

+ sign 0.010+/-0.008 χ^2/NDF: 45.2/34

All: 0.007+/-0.006 χ^2/NDF: 79.1/71

- 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: 45.642+/-0.009 χ^2/NDF:1409427.4/18

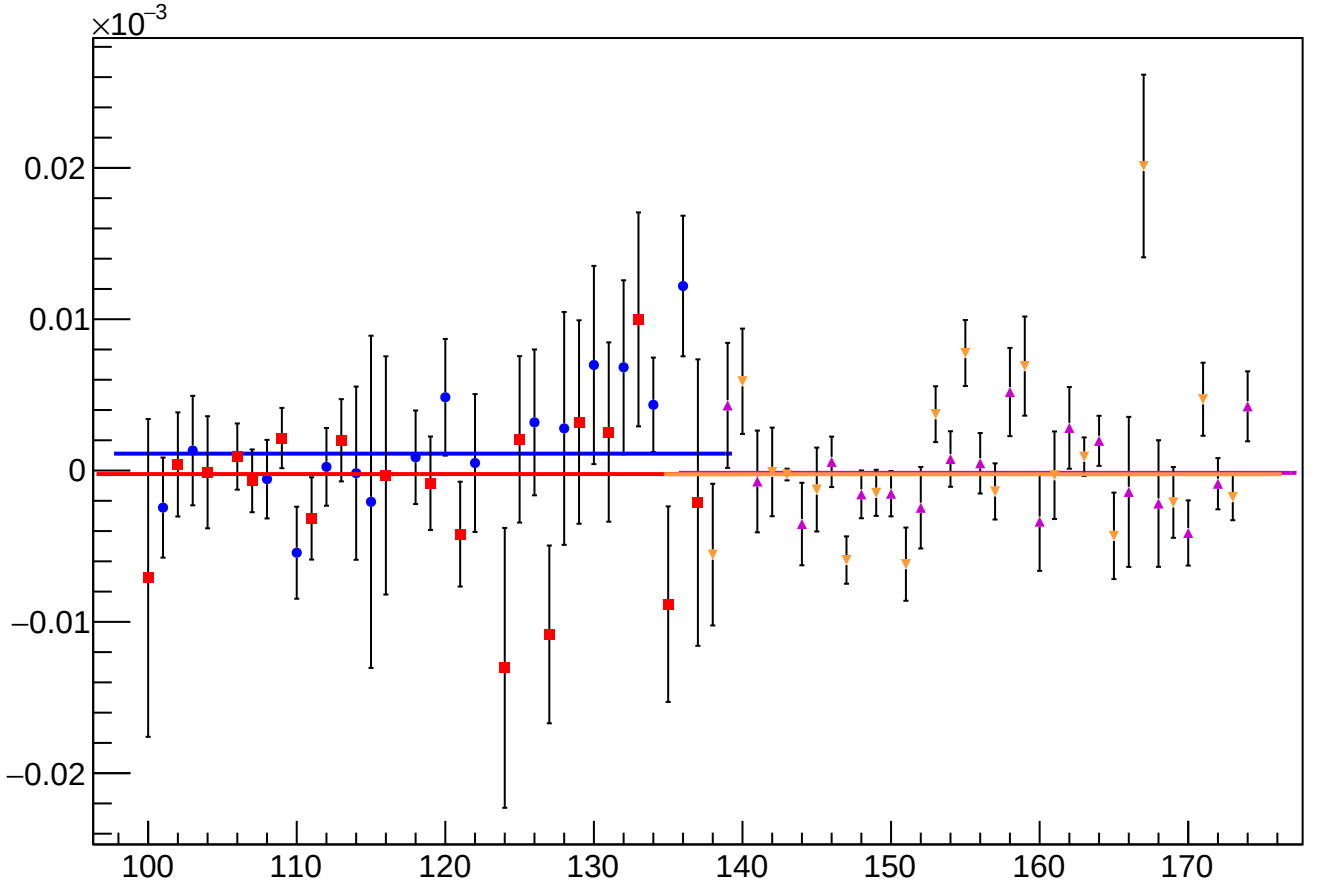
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.213+/-0.009 χ^2/NDF:523558.6/17

+ sign 34.425+/-0.006 χ^2/NDF: 7348533.4/34

All: 32.821+/-0.004 χ^2/NDF: 15331164.9/71

- 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:67.7/18

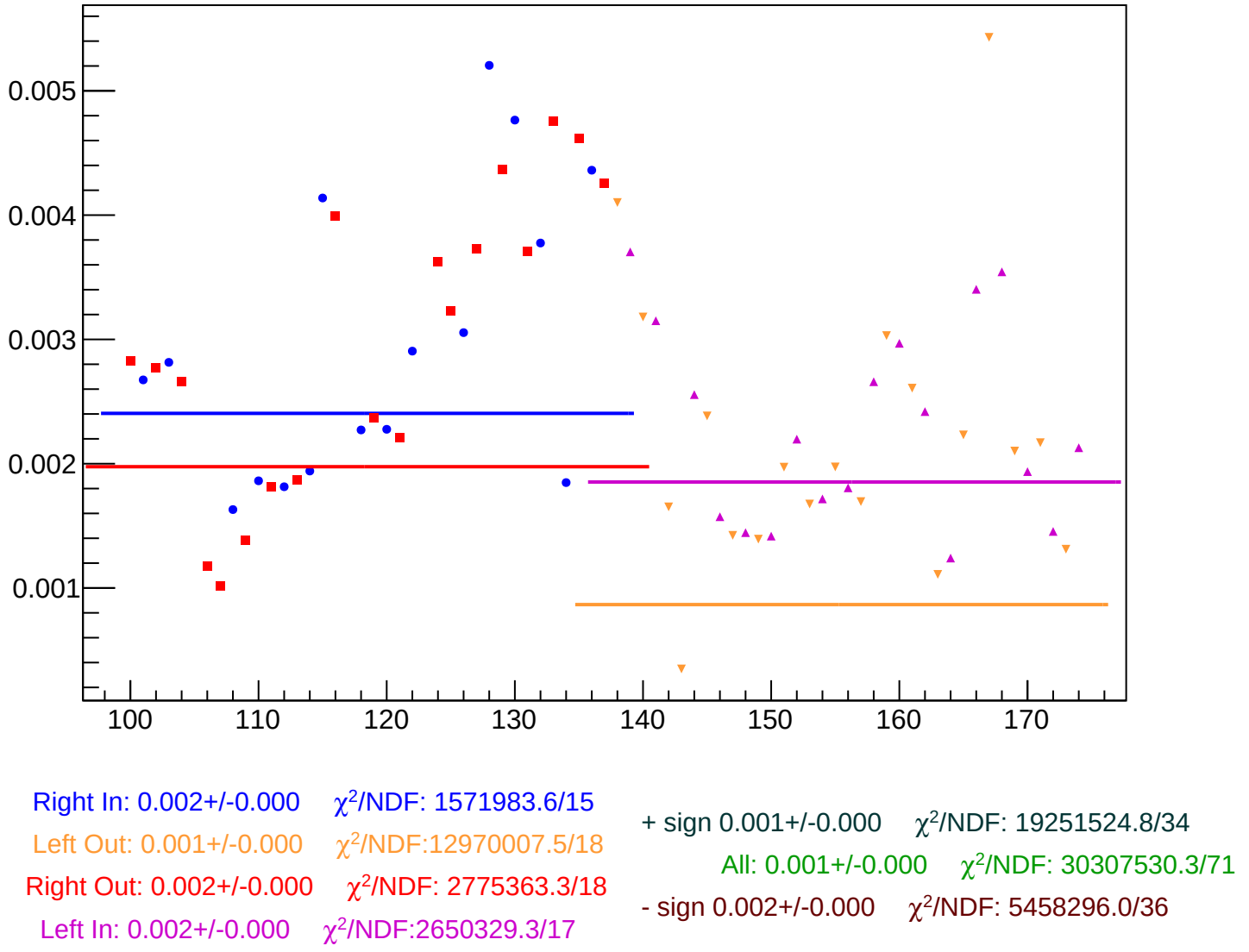
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

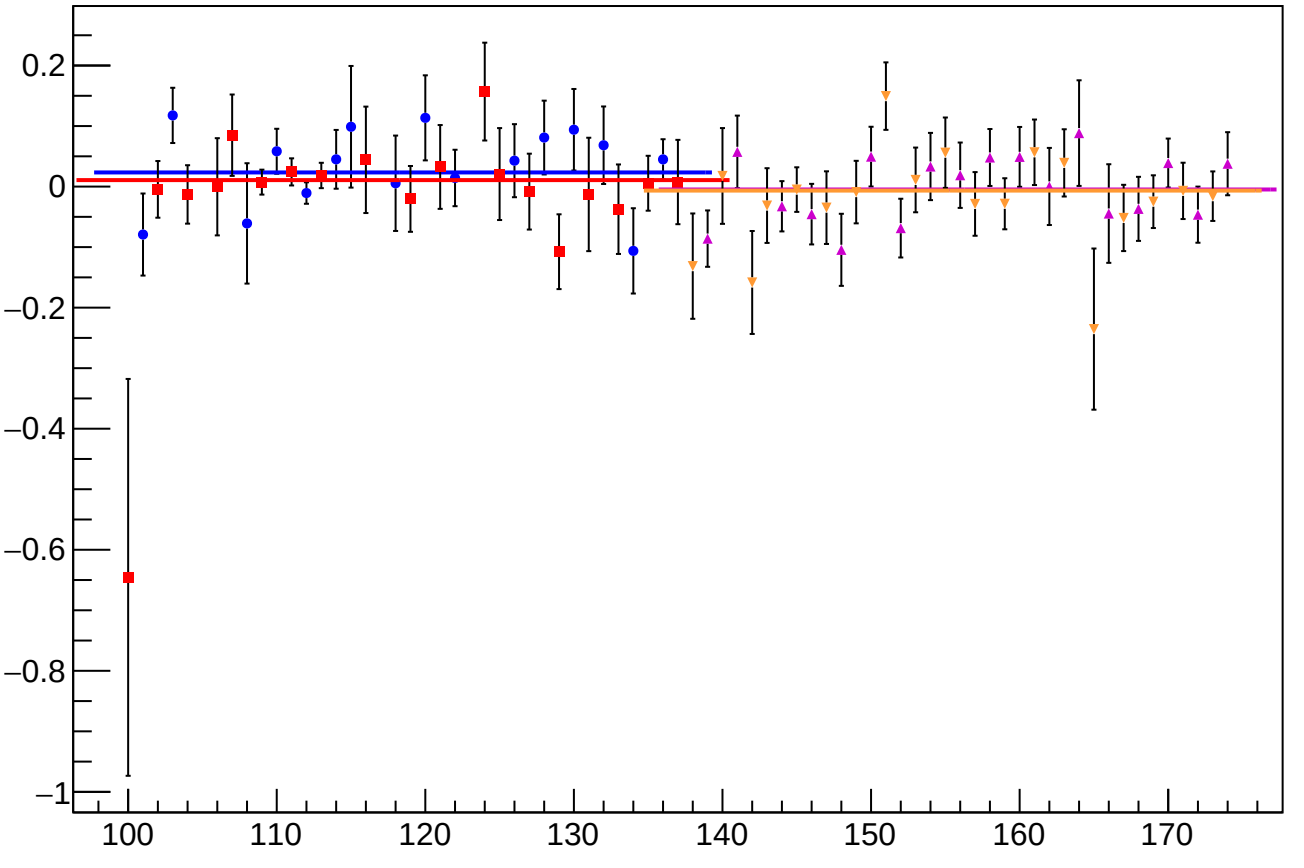
Left In: -0.000+/-0.000 χ^2/NDF:20.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 85.7/34

All: -0.000+/-0.000 χ^2/NDF: 121.2/71

- 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:12970007.5/18
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: 19251524.8/34
All: 0.001+/-0.000 χ²/NDF: 30307530.3/71
- sign 0.002+/-0.000 χ²/NDF: 5458296.0/36



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.007+/-0.012 χ^2/NDF:21.2/18

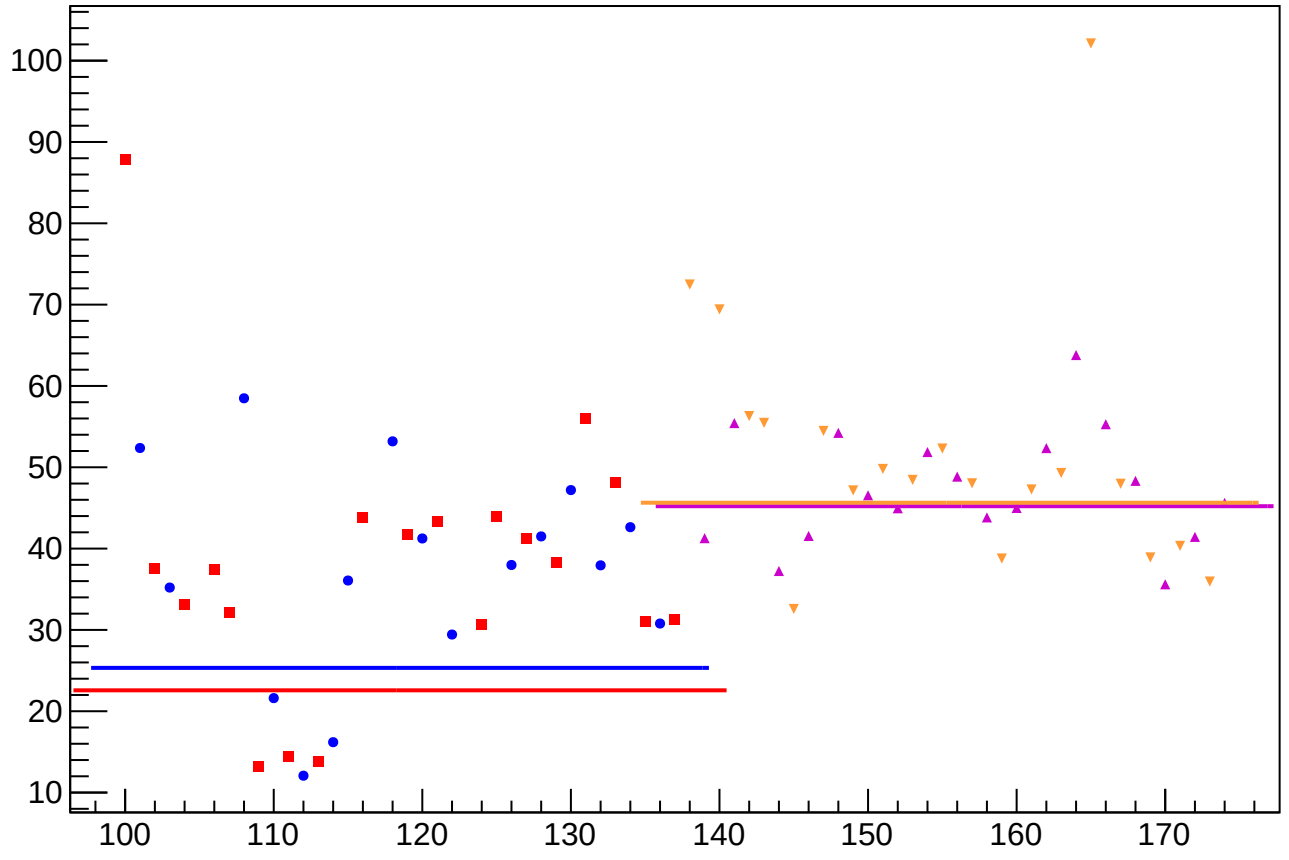
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.012 χ^2/NDF:18.5/17

+ sign 0.010+/-0.008 χ^2/NDF: 45.2/34

All: 0.007+/-0.006 χ^2/NDF: 79.1/71

- 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: 45.642+/-0.009 χ^2/NDF:1409416.0/18

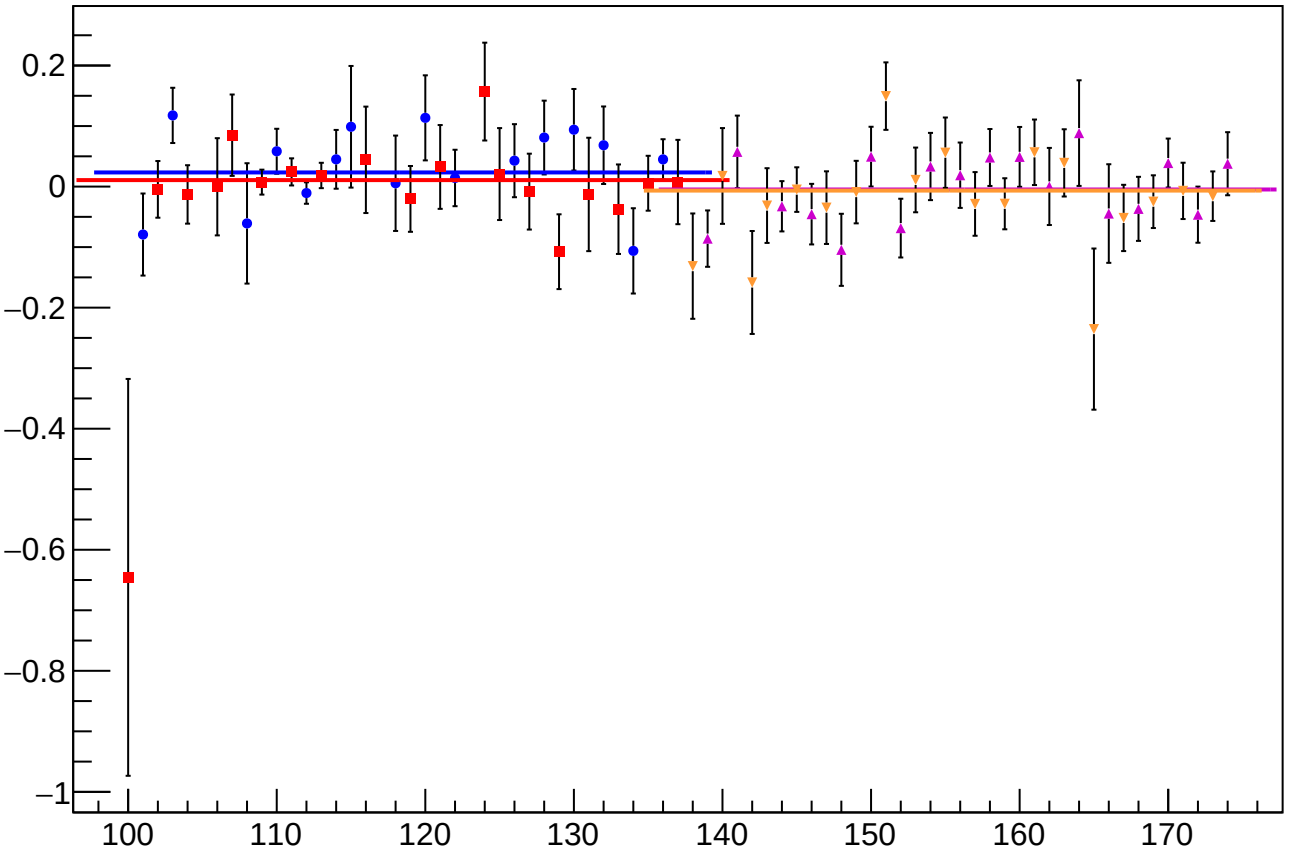
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.213+/-0.009 χ^2/NDF:523570.6/17

+ sign 34.424+/-0.006 χ^2/NDF: 7349474.6/34

All: 32.820+/-0.004 χ^2/NDF: 15332402.8/71

- 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: -0.007+/-0.012 χ^2/NDF:21.2/18

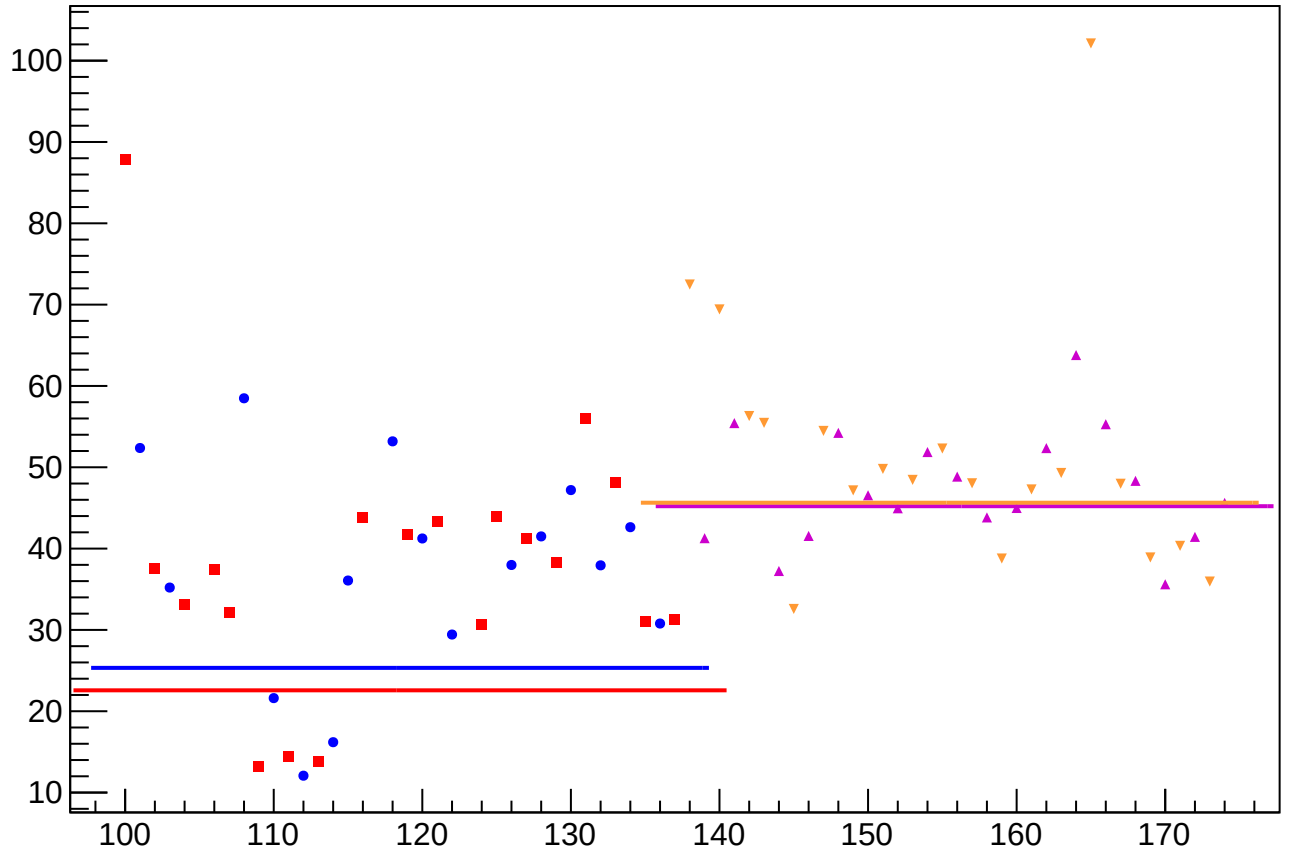
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.012 χ^2/NDF:18.5/17

+ sign 0.010+/-0.008 χ^2/NDF: 45.2/34

All: 0.007+/-0.006 χ^2/NDF: 79.1/71

- 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: 45.642+/-0.009 χ^2/NDF:1409416.0/18

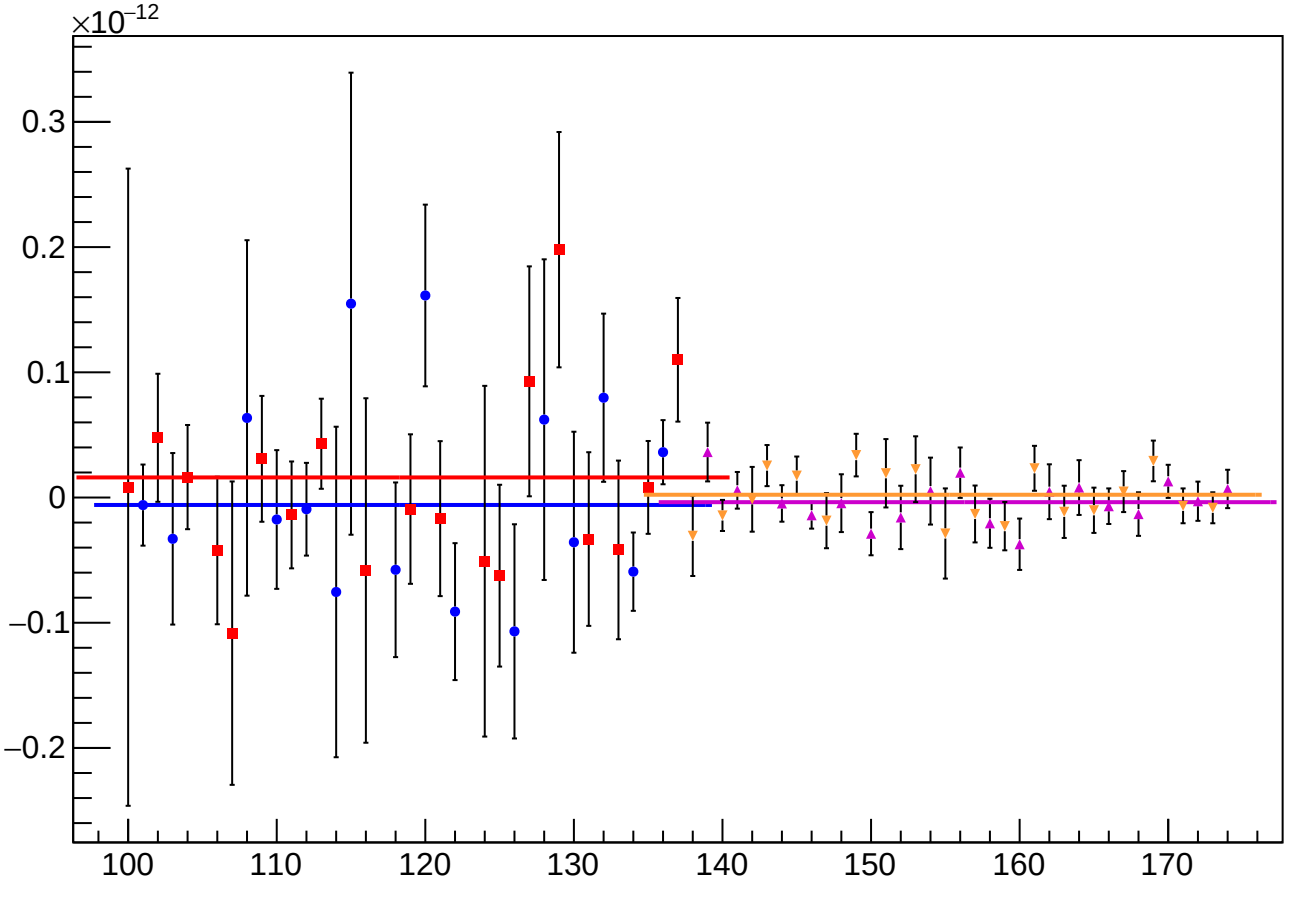
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.213+/-0.009 χ^2/NDF:523570.6/17

+ sign 34.424+/-0.006 χ^2/NDF: 7349474.6/34

All: 32.820+/-0.004 χ^2/NDF: 15332402.8/71

- 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:20.3/18

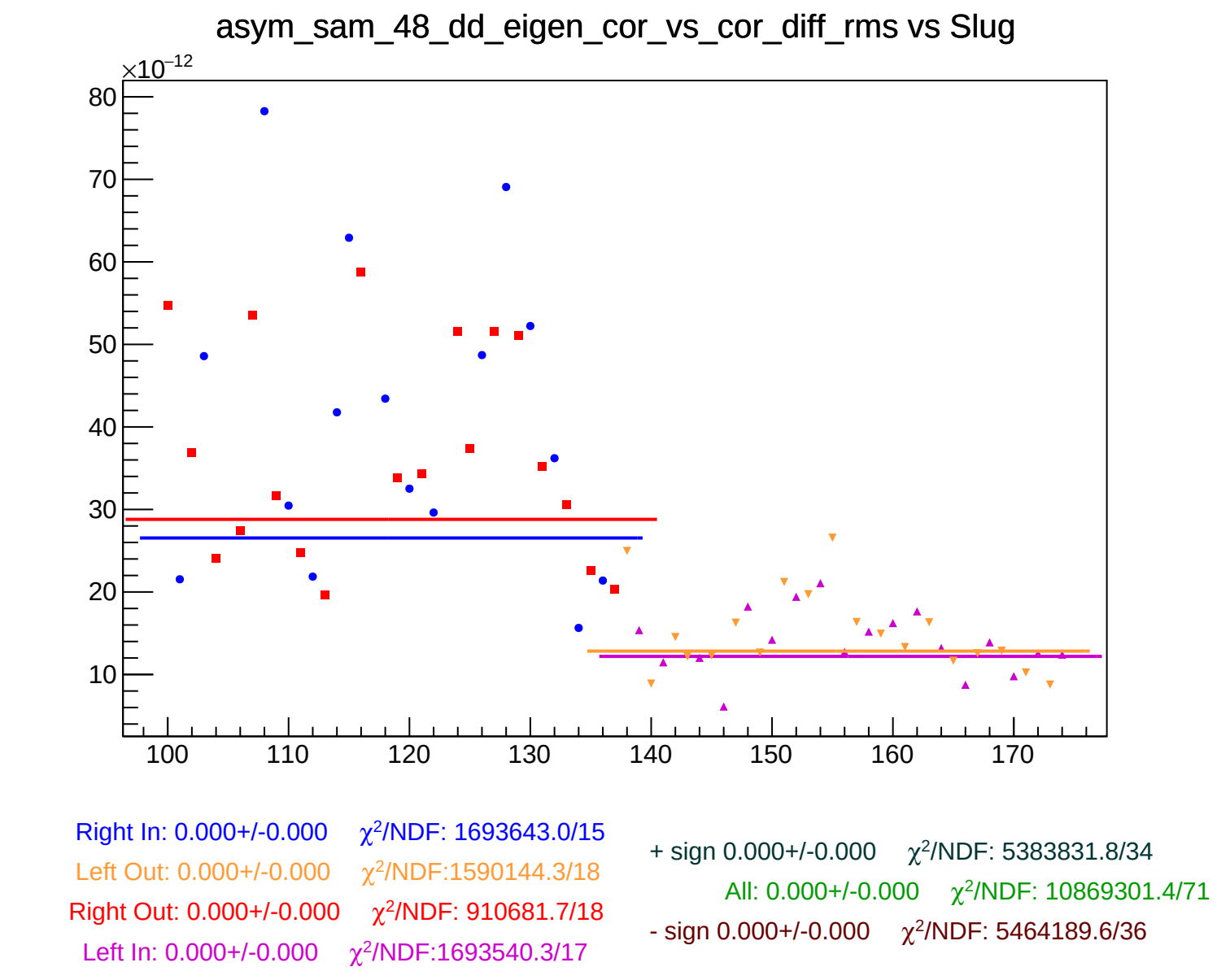
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:14.4/17

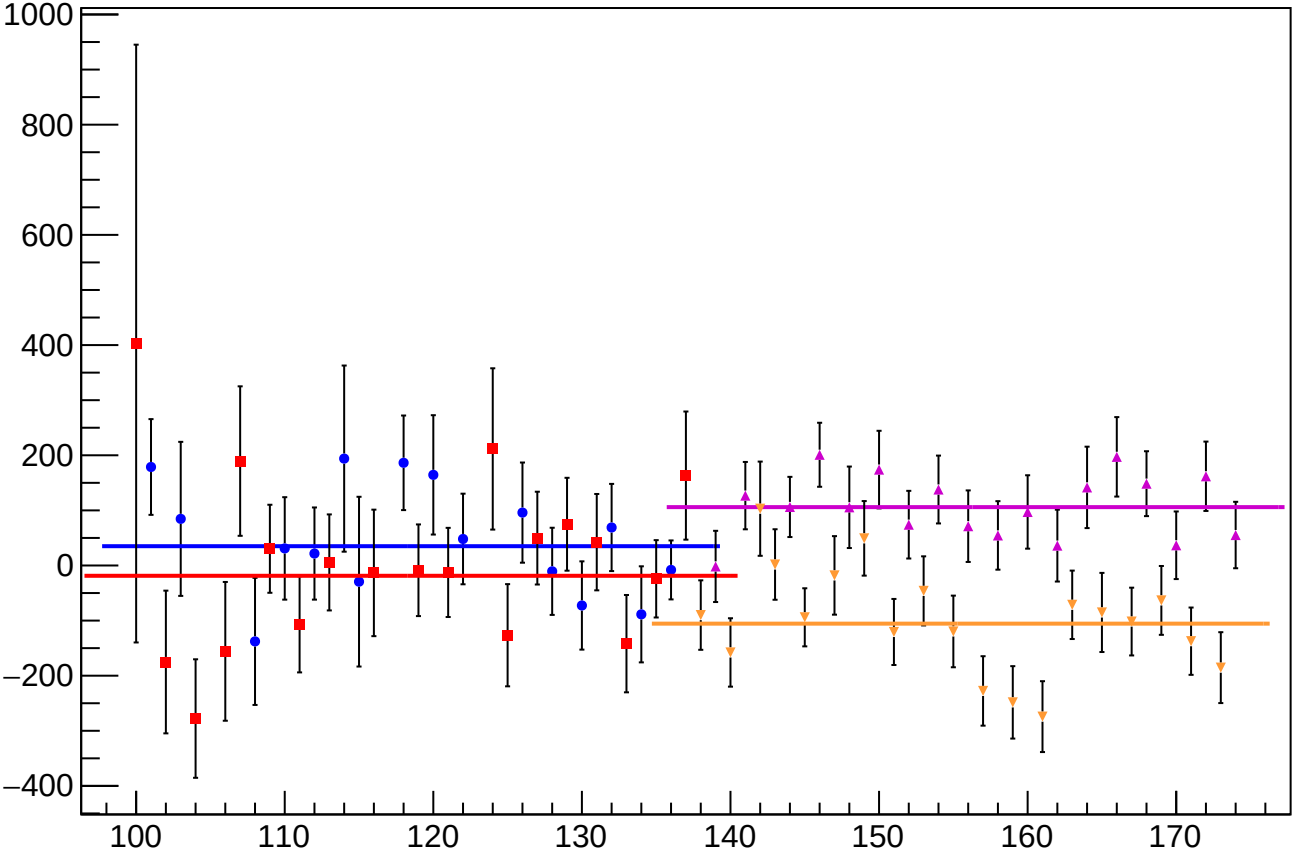
+ sign 0.000+/-0.000 χ^2/NDF: 39.4/34

All: -0.000+/-0.000 χ^2/NDF: 71.3/71

- 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:1590144.3/18
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: 5383831.8/34
All: 0.000+/-0.000 χ²/NDF: 10869301.4/71
- 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: -105.547+/-14.671 χ^2/NDF:35.4/18

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

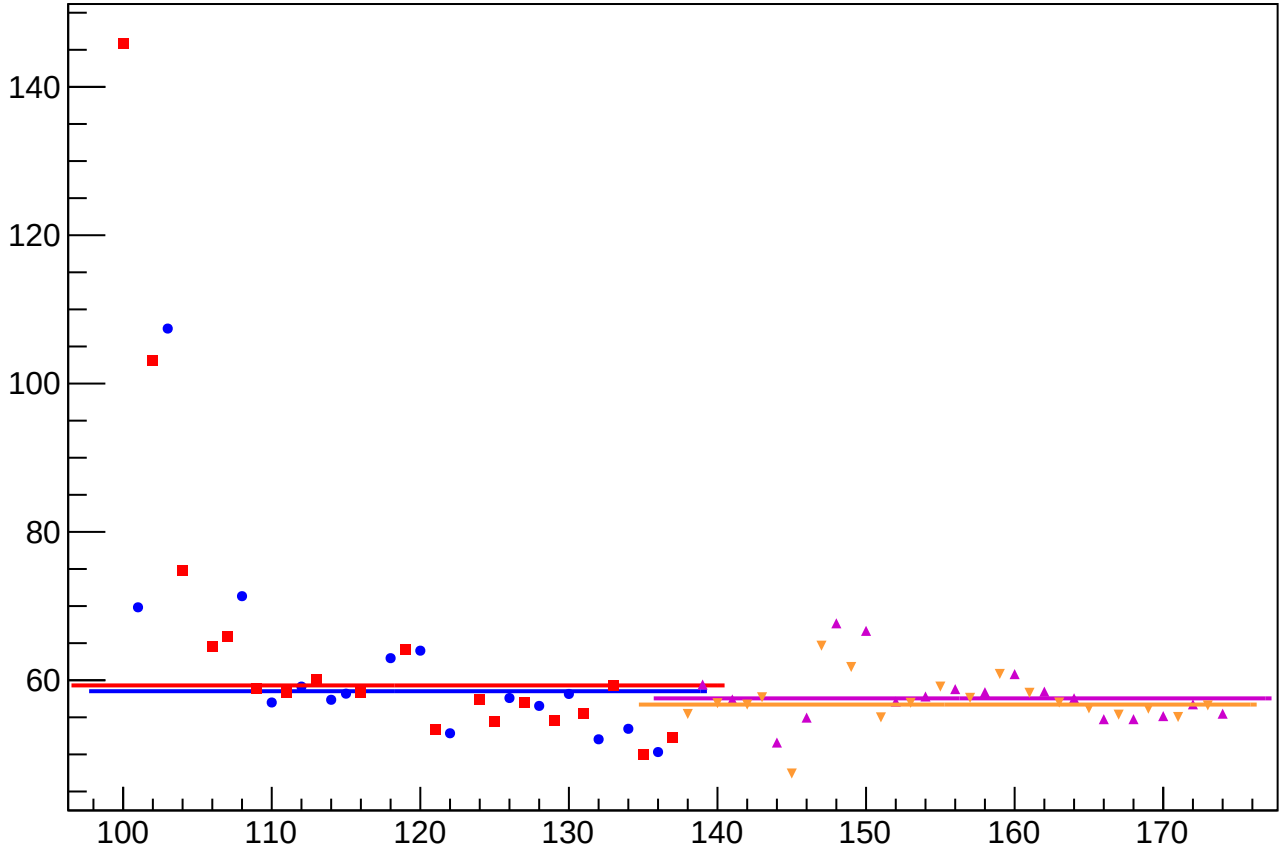
Left In: 105.926+/-14.964 χ^2/NDF:14.3/17

\+ sign -62.642+/-12.229 χ^2/NDF: 79.6/34

All: 1.217+/-8.706 χ^2/NDF: 194.4/71

\- 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: 56.720+/-0.010 χ^2/NDF:116308.3/18

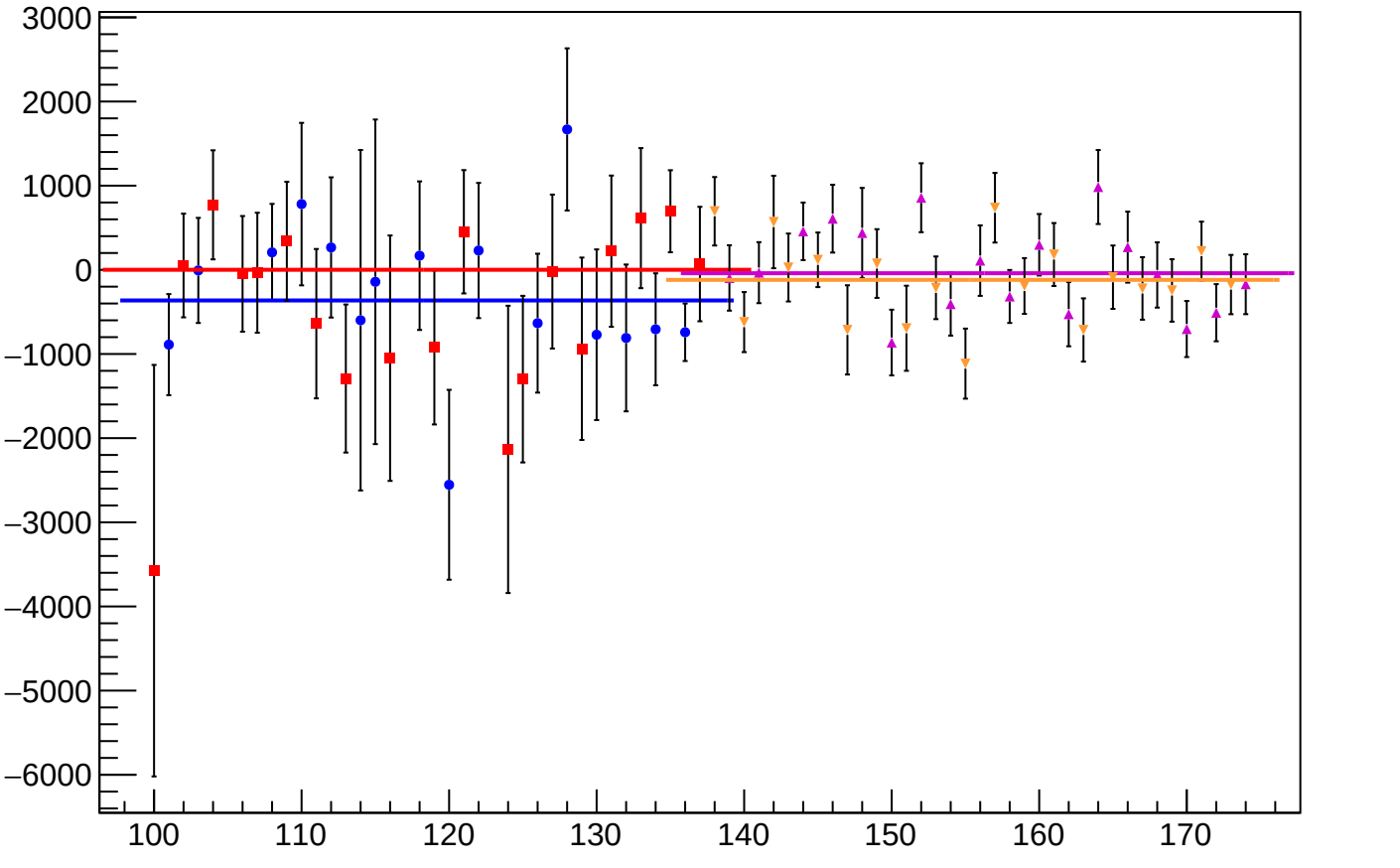
Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.555+/-0.011 χ^2/NDF:120057.1/17

+ sign 57.270+/-0.009 χ^2/NDF: 518259.2/34

All: 57.681+/-0.006 χ^2/NDF: 1058045.2/71

- sign 58.103+/-0.009 χ^2/NDF: 535208.3/36



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -119.357+/-89.000 χ^2/NDF:25.5/18

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

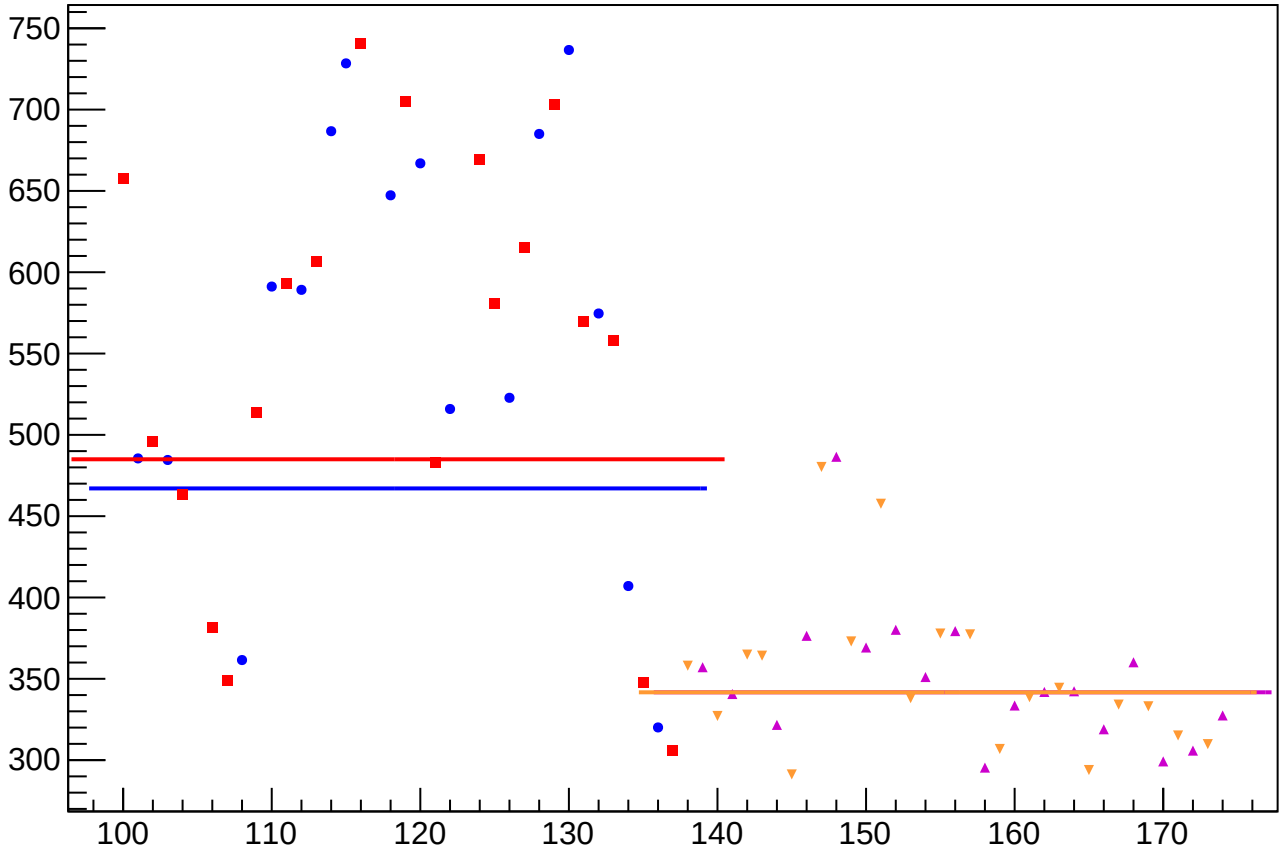
Left In: -40.259+/-89.341 χ^2/NDF:31.1/17

\+ sign -167.175+/-79.833 χ^2/NDF: 42.2/34

All: -100.177+/-56.612 χ^2/NDF: 89.8/71

\- 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: 341.694+/-0.063 χ^2/NDF:432816.5/18

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

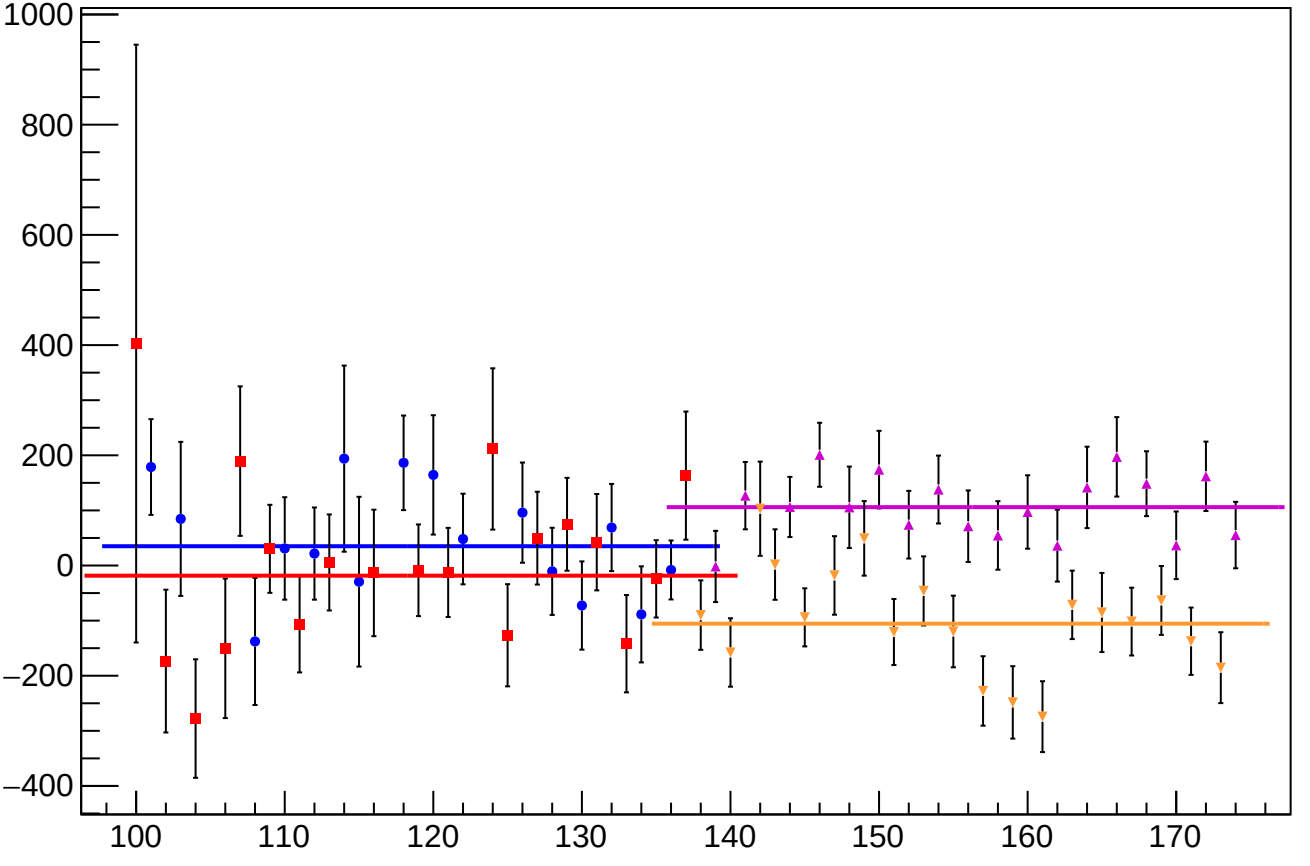
Left In: 341.704+/-0.063 χ^2/NDF:329095.4/17

+ sign 366.192+/-0.056 χ^2/NDF: 2238601.5/34

All: 367.717+/-0.040 χ^2/NDF: 4432542.4/71

- 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: -105.545+/-14.671 χ^2/NDF:35.4/18

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

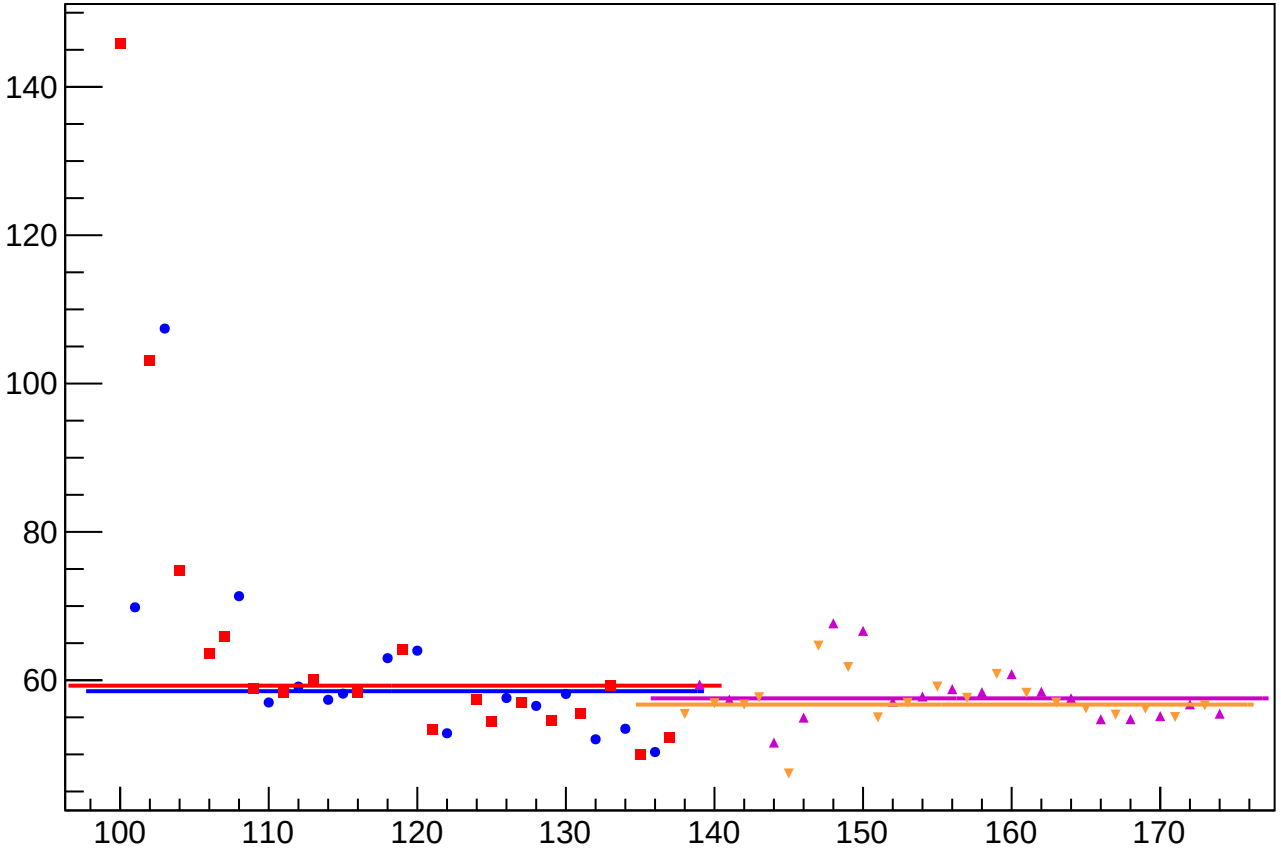
Left In: 105.927+/-14.964 χ^2/NDF:14.3/17

+ sign -62.641+/-12.229 χ^2/NDF: 79.6/34

All: 1.261+/-8.706 χ^2/NDF: 194.3/71

- 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: 56.720+/-0.010 χ^2/NDF:116308.3/18

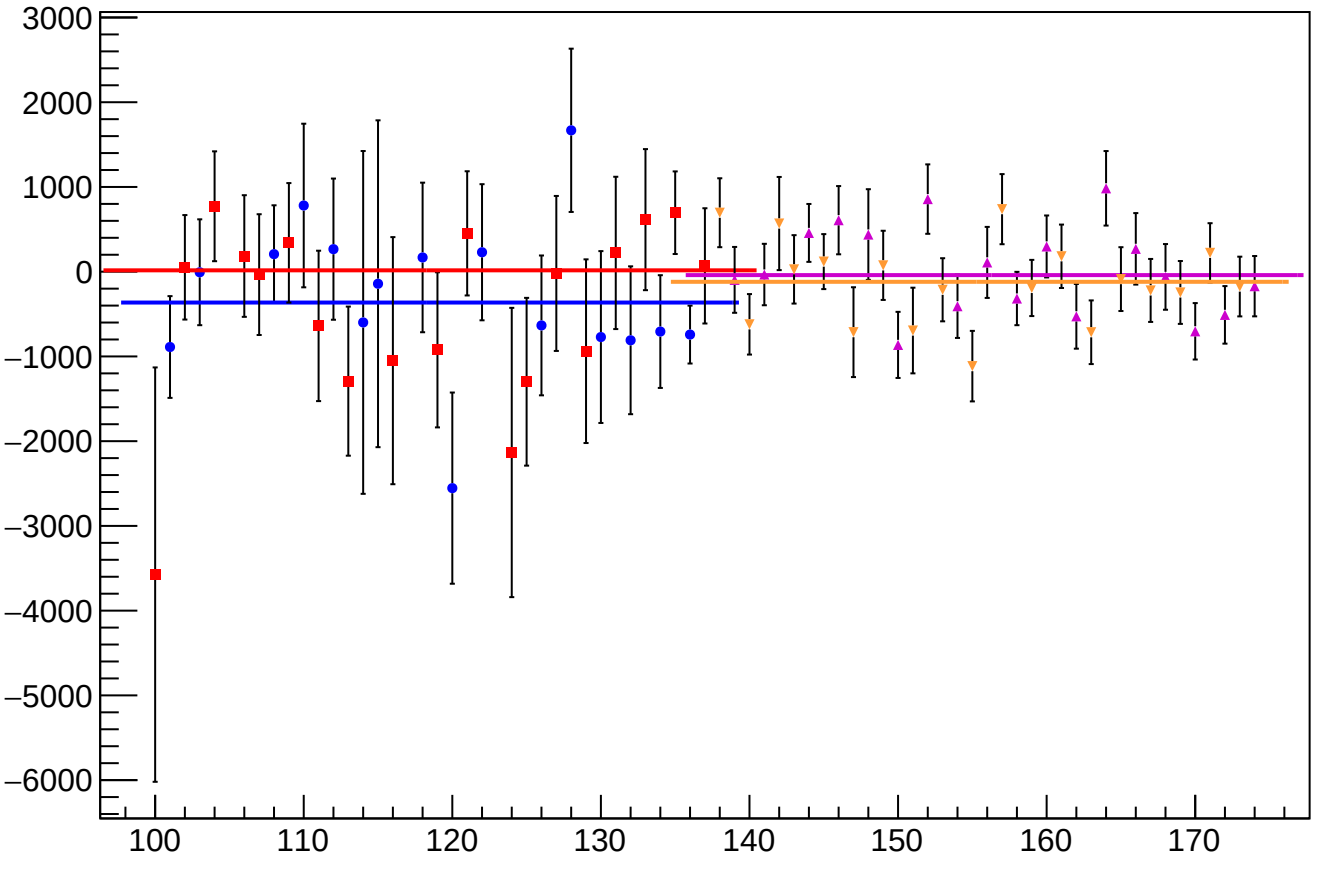
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.555+/-0.011 χ^2/NDF:120057.1/17

\+ sign 57.270+/-0.009 χ^2/NDF: 518261.3/34

All: 57.676+/-0.006 χ^2/NDF: 1056630.7/71

\- 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: -119.358+/-89.000 χ^2/NDF:25.5/18

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

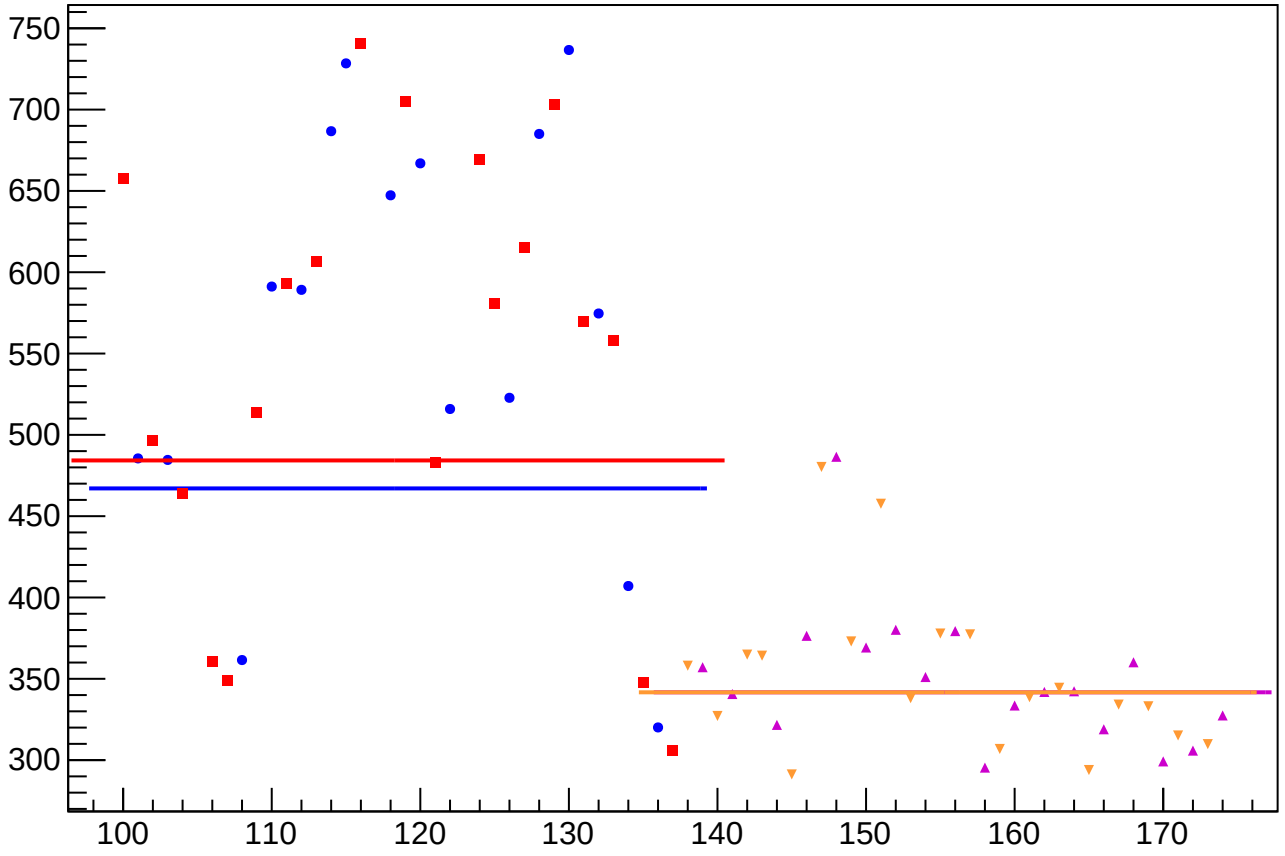
Left In: -40.259+/-89.341 χ^2/NDF:31.1/17

\+ sign -167.168+/-79.833 χ^2/NDF: 42.2/34

All: -98.757+/-56.629 χ^2/NDF: 90.0/71

\- 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: 341.694+/-0.063 χ^2/NDF:432816.0/18

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

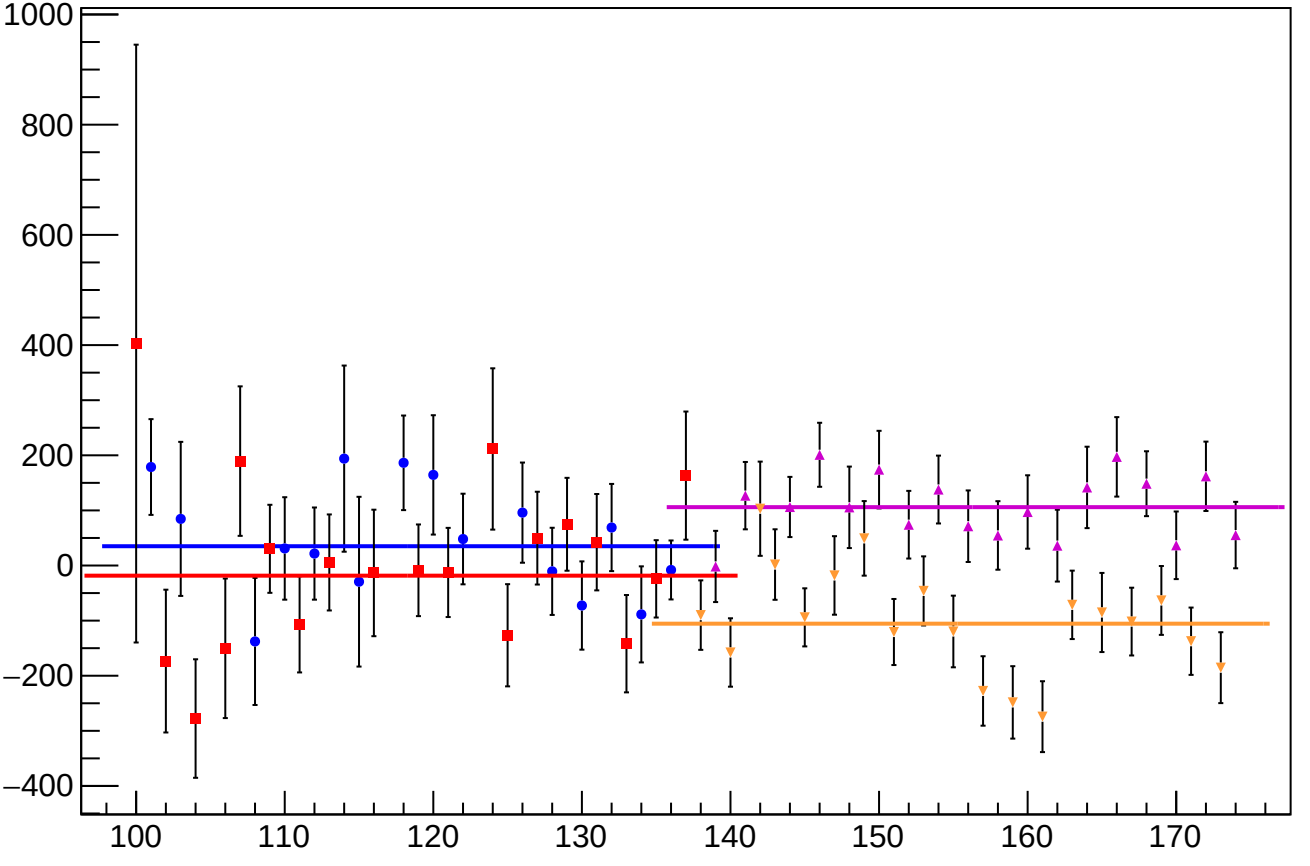
Left In: 341.704+/-0.063 χ^2/NDF:329097.4/17

+ sign 366.193+/-0.056 χ^2/NDF: 2238626.8/34

All: 367.581+/-0.040 χ^2/NDF: 4432393.3/71

- 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: -105.545+/-14.671 χ^2/NDF:35.4/18

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

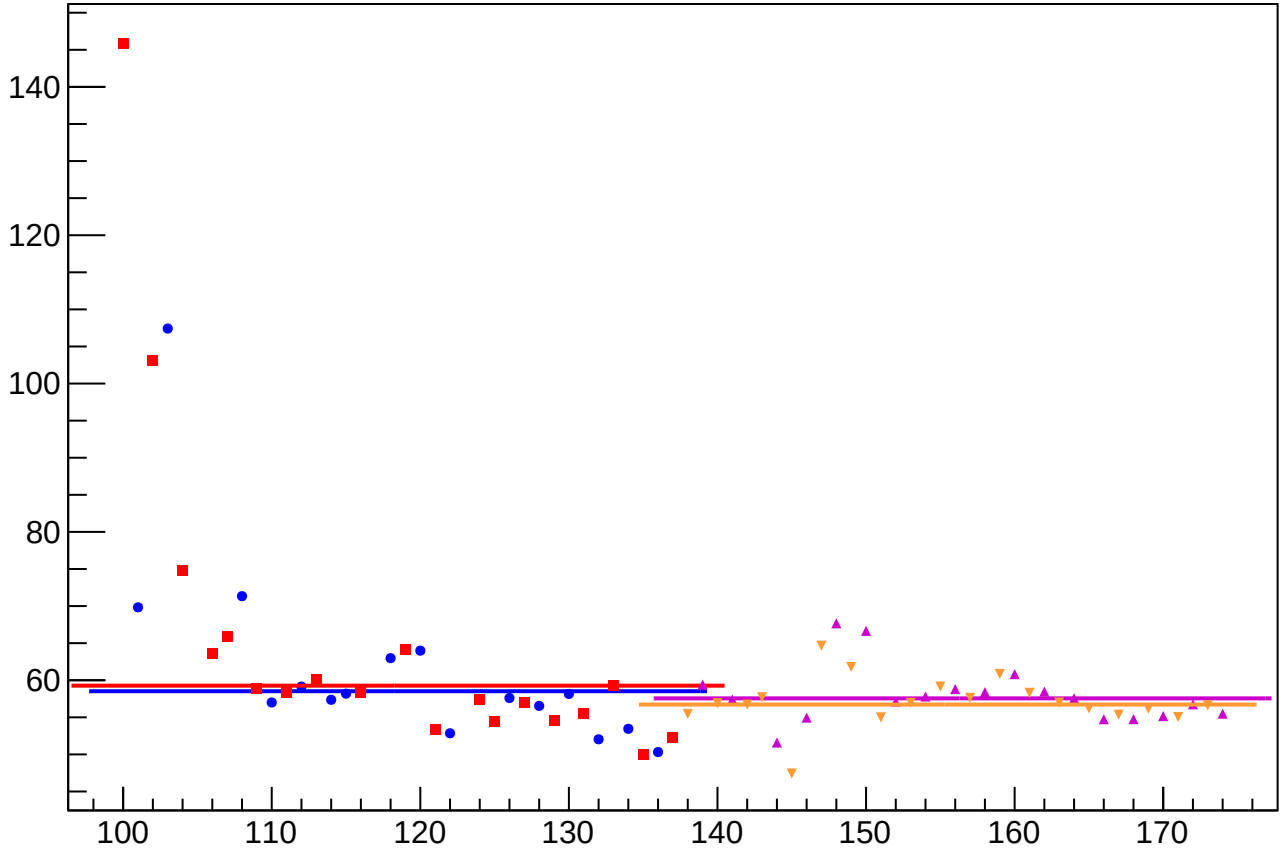
Left In: 105.927+/-14.964 χ^2/NDF:14.3/17

+ sign -62.641+/-12.229 χ^2/NDF: 79.6/34

All: 1.261+/-8.706 χ^2/NDF: 194.3/71

- 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: 56.720+/-0.010 χ^2/NDF:116308.3/18

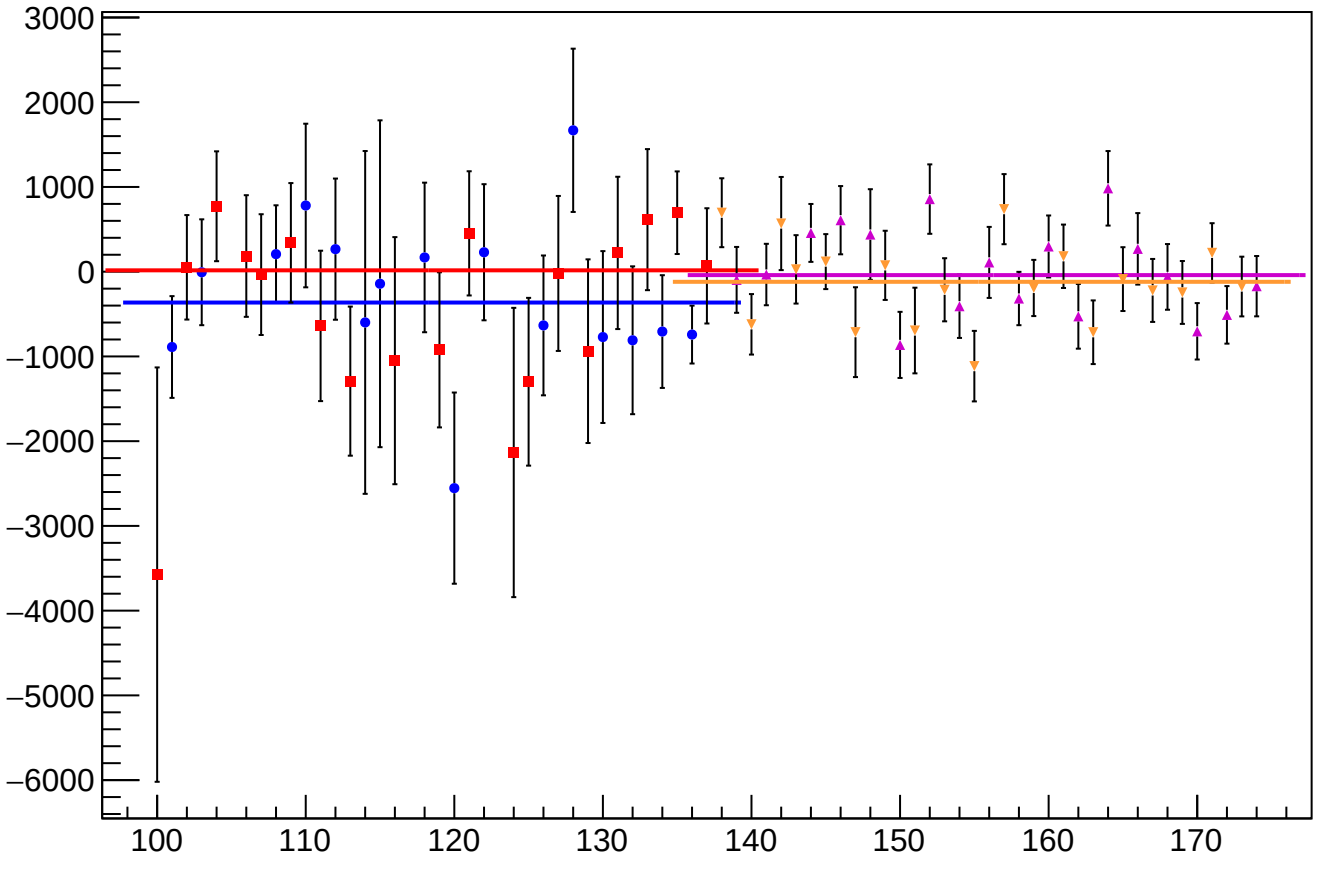
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.555+/-0.011 χ^2/NDF:120057.1/17

+ sign 57.270+/-0.009 χ^2/NDF: 518261.3/34

All: 57.676+/-0.006 χ^2/NDF: 1056630.7/71

- 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: -119.358+/-89.000 χ^2/NDF:25.5/18

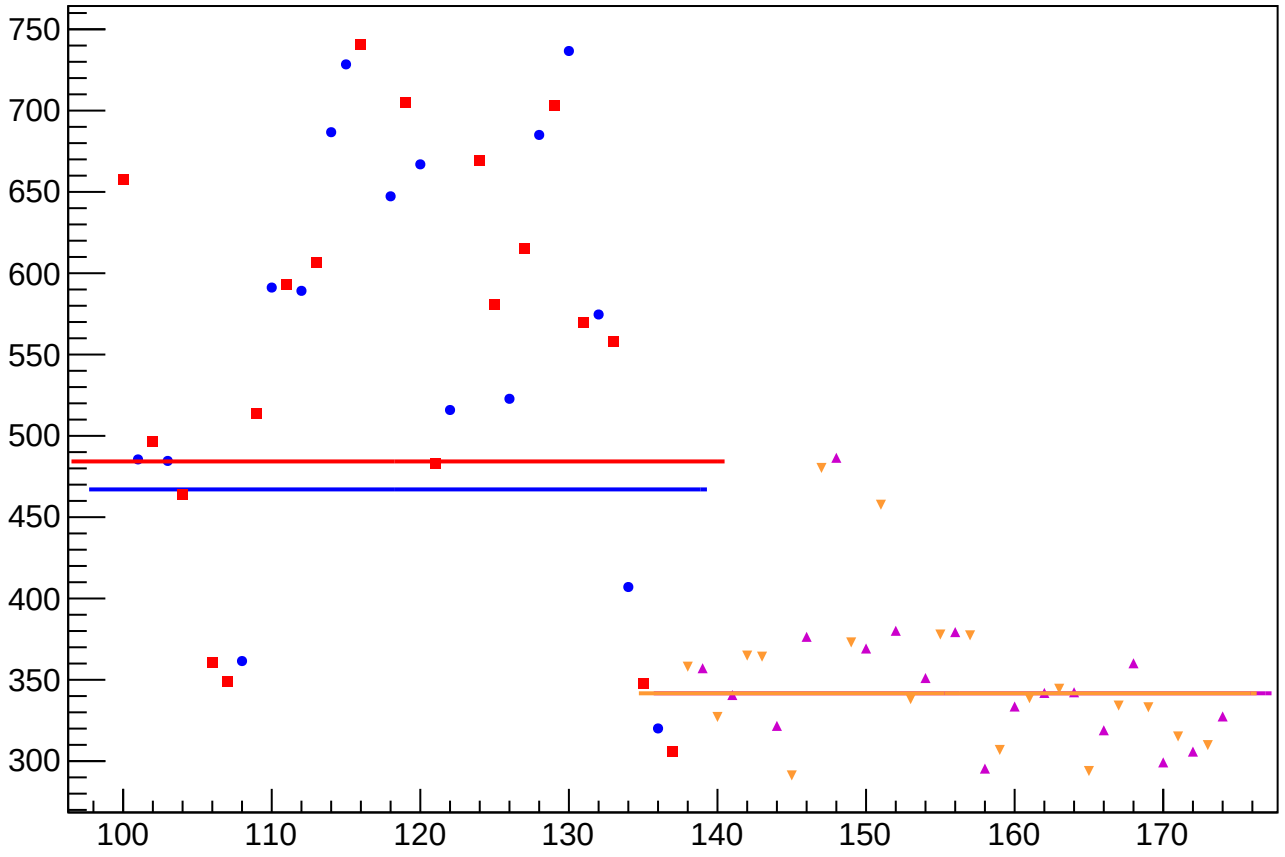
Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -40.259+/-89.341 χ^2/NDF:31.1/17

+ sign -167.168+/-79.833 χ^2/NDF: 42.2/34

All: -98.757+/-56.629 χ^2/NDF: 90.0/71

- sign -29.476+/-80.339 χ^2/NDF: 46.3/36



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 341.694+/-0.063 χ^2/NDF:432816.0/18

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

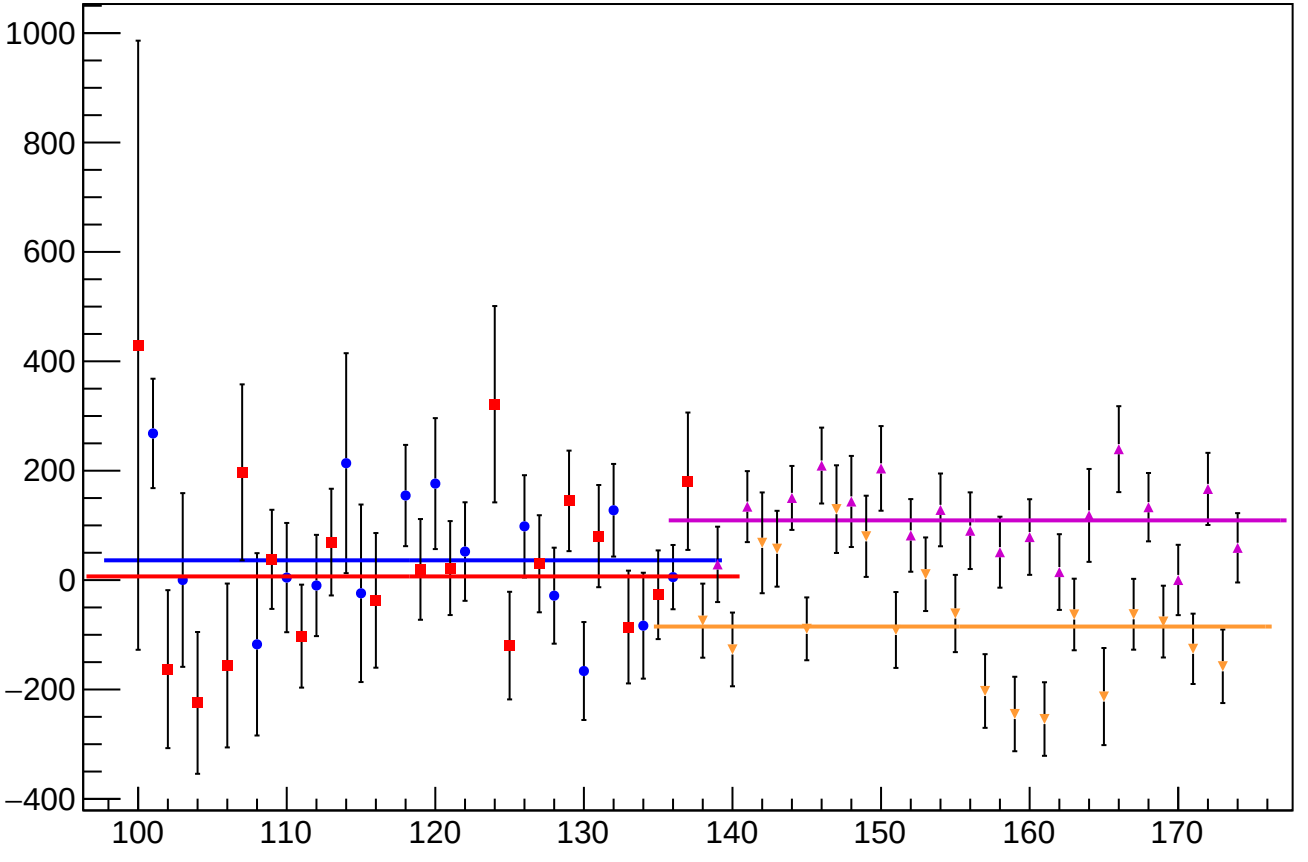
Left In: 341.704+/-0.063 χ^2/NDF:329097.4/17

+ sign 366.193+/-0.056 χ^2/NDF: 2238626.8/34

All: 367.581+/-0.040 χ^2/NDF: 4432393.3/71

- 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: -84.909+/-15.841 χ^2/NDF:40.4/18

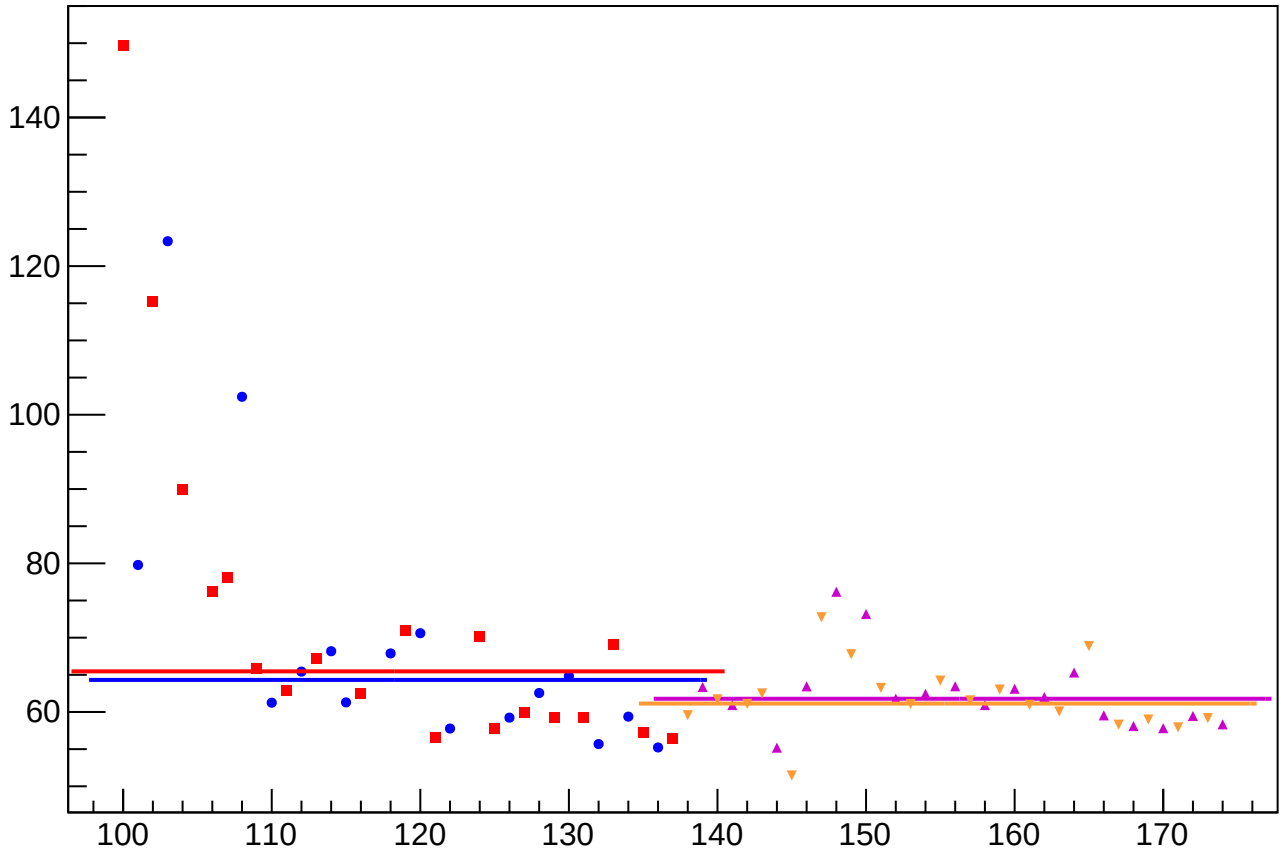
Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: 109.187+/-16.119 χ^2/NDF:16.1/17

\+ sign -49.159+/-13.298 χ^2/NDF: 77.3/34

All: 13.743+/-9.466 χ^2/NDF: 171.3/71

\- sign 78.350+/-13.477 χ^2/NDF: 48.6/36



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.133+/-0.011 χ^2/NDF:152346.1/18

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

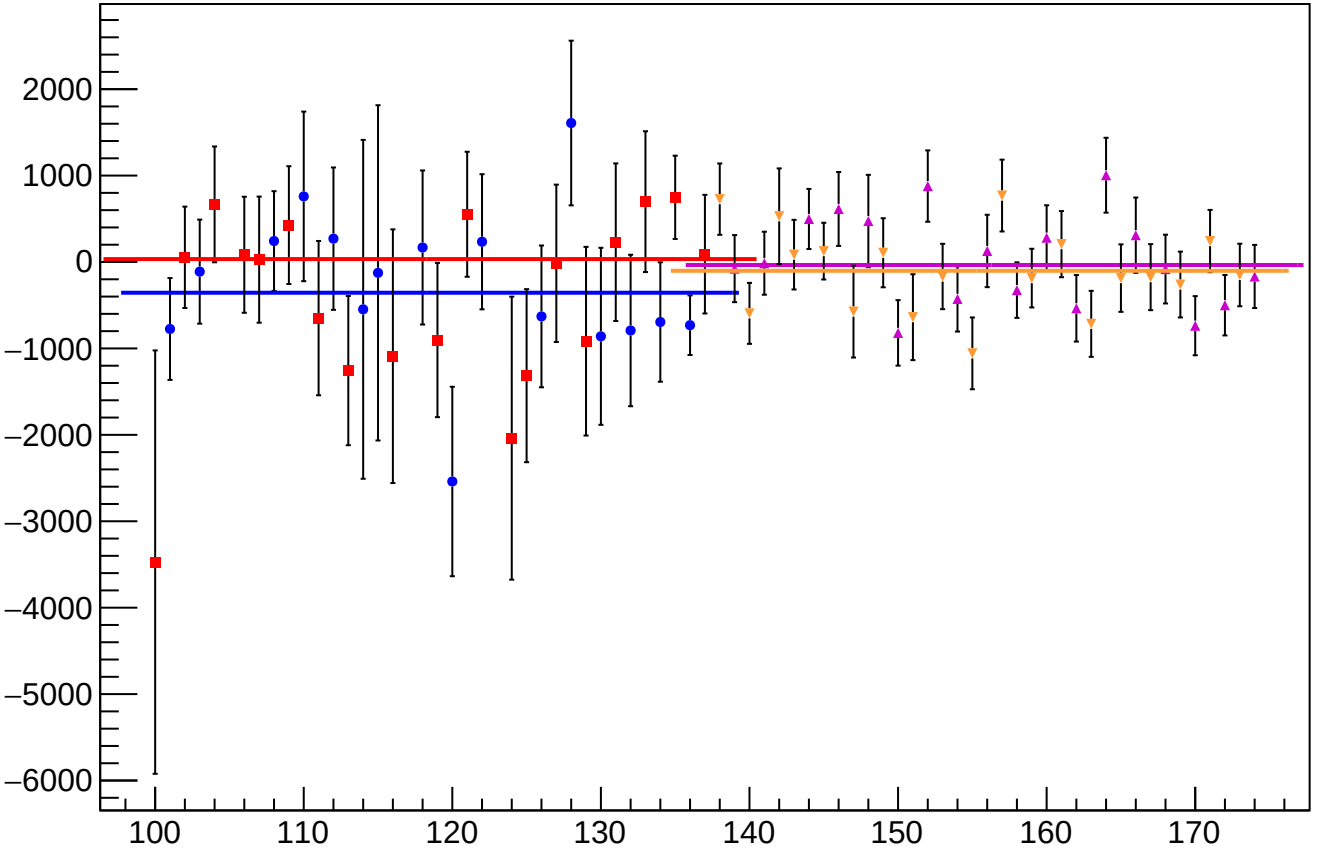
Left In: 61.780+/-0.011 χ^2/NDF:161551.3/17

+ sign 62.073+/-0.009 χ^2/NDF: 708259.9/34

All: 62.476+/-0.007 χ^2/NDF: 1387370.4/71

- 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: -101.489+/-90.154 χ^2/NDF:24.4/18

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

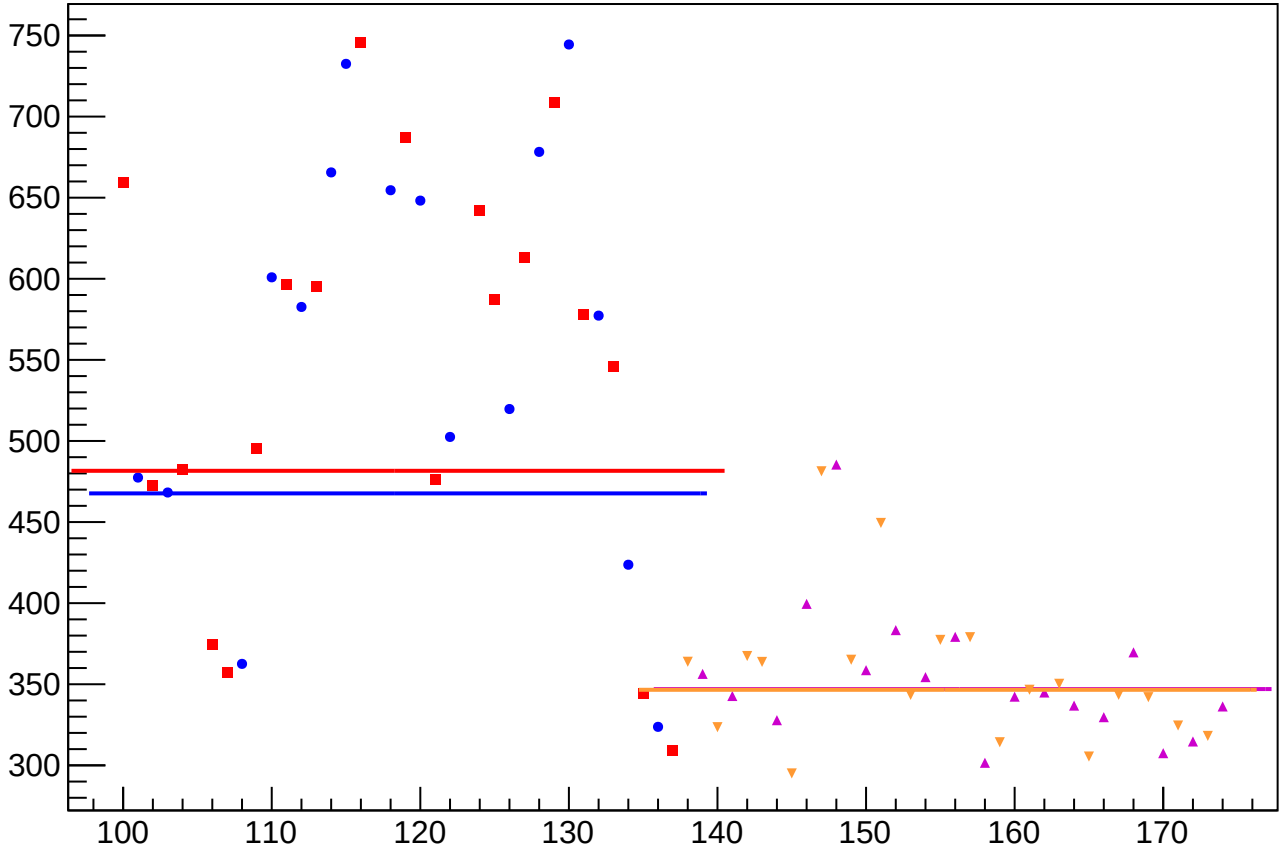
Left In: -34.868+/-90.677 χ^2/NDF:31.7/17

+ sign -152.285+/-80.639 χ^2/NDF: 40.8/34

All: -87.116+/-57.190 χ^2/NDF: 89.3/71

- 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: 346.589+/-0.064 χ^2/NDF:370435.5/18

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

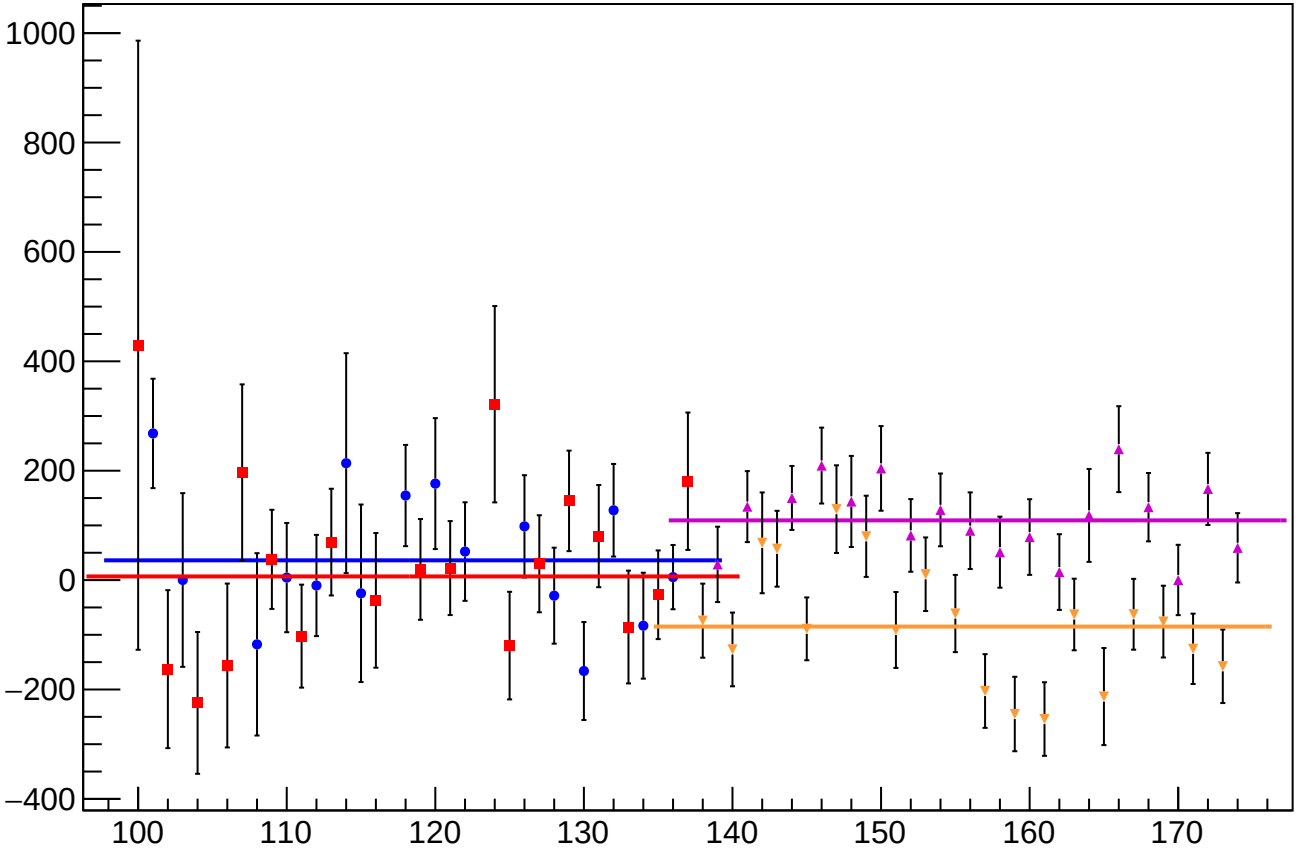
Left In: 347.034+/-0.064 χ^2/NDF:298605.6/17

+ sign 370.800+/-0.057 χ^2/NDF: 2077774.6/34

All: 372.340+/-0.040 χ^2/NDF: 4111430.6/71

- 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: -84.908+/-15.841 χ^2/NDF:40.4/18

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

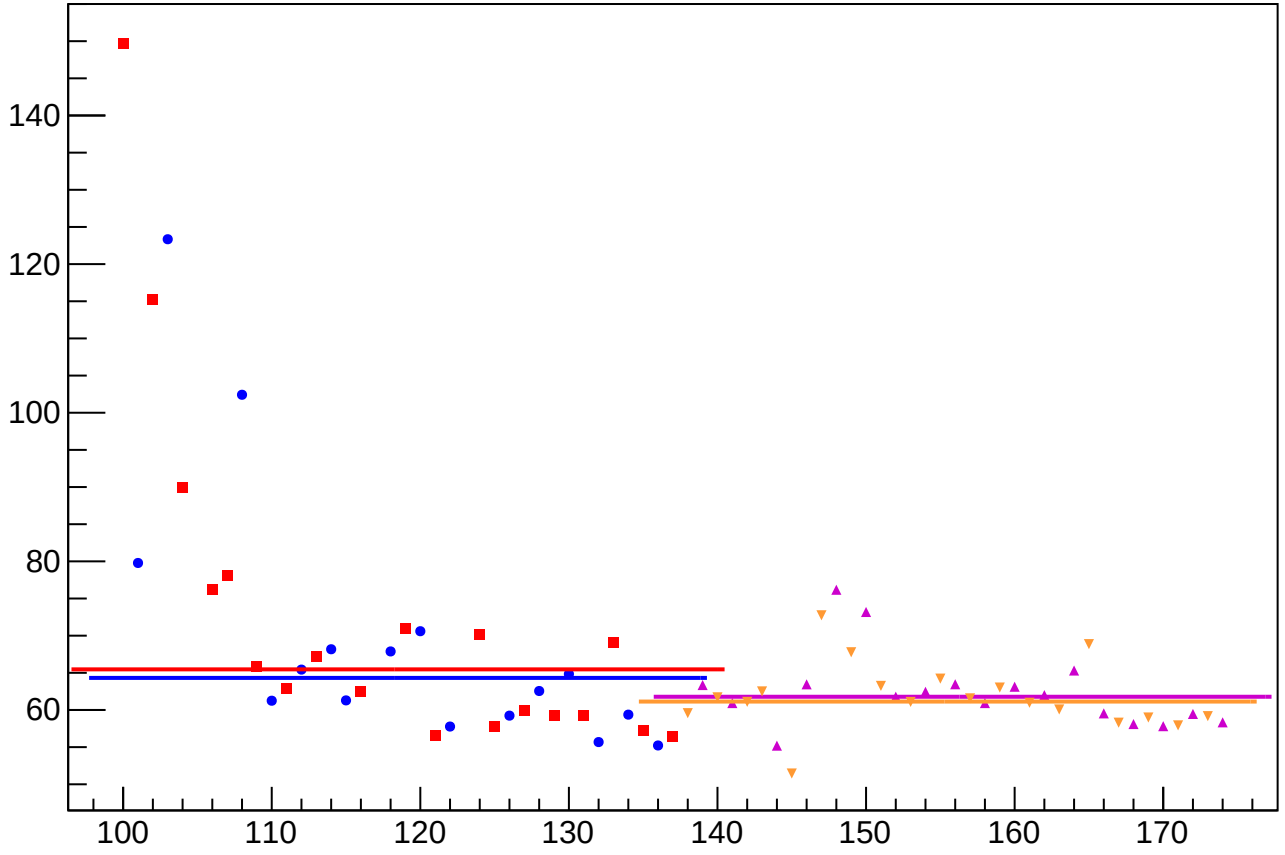
Left In: 109.187+/-16.119 χ^2/NDF:16.1/17

+ sign -49.159+/-13.298 χ^2/NDF: 77.3/34

All: 13.743+/-9.466 χ^2/NDF: 171.3/71

- 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: 61.133+/-0.011 χ^2/NDF:152350.7/18

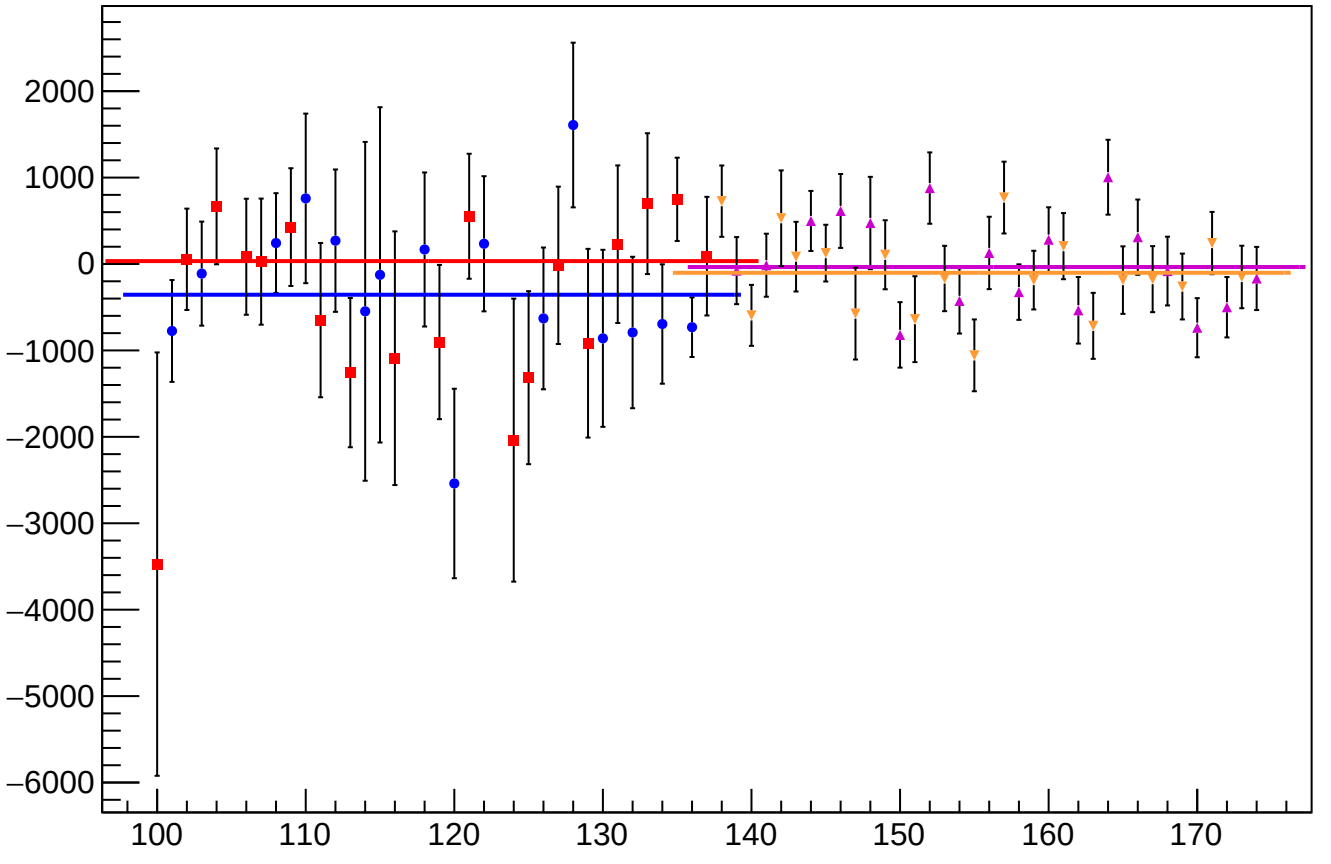
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 61.780+/-0.011 χ^2/NDF:161554.1/17

+ sign 62.073+/-0.009 χ^2/NDF: 708270.6/34

All: 62.476+/-0.007 χ^2/NDF: 1387387.6/71

- 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: -101.489+/-90.154 χ^2/NDF:24.4/18

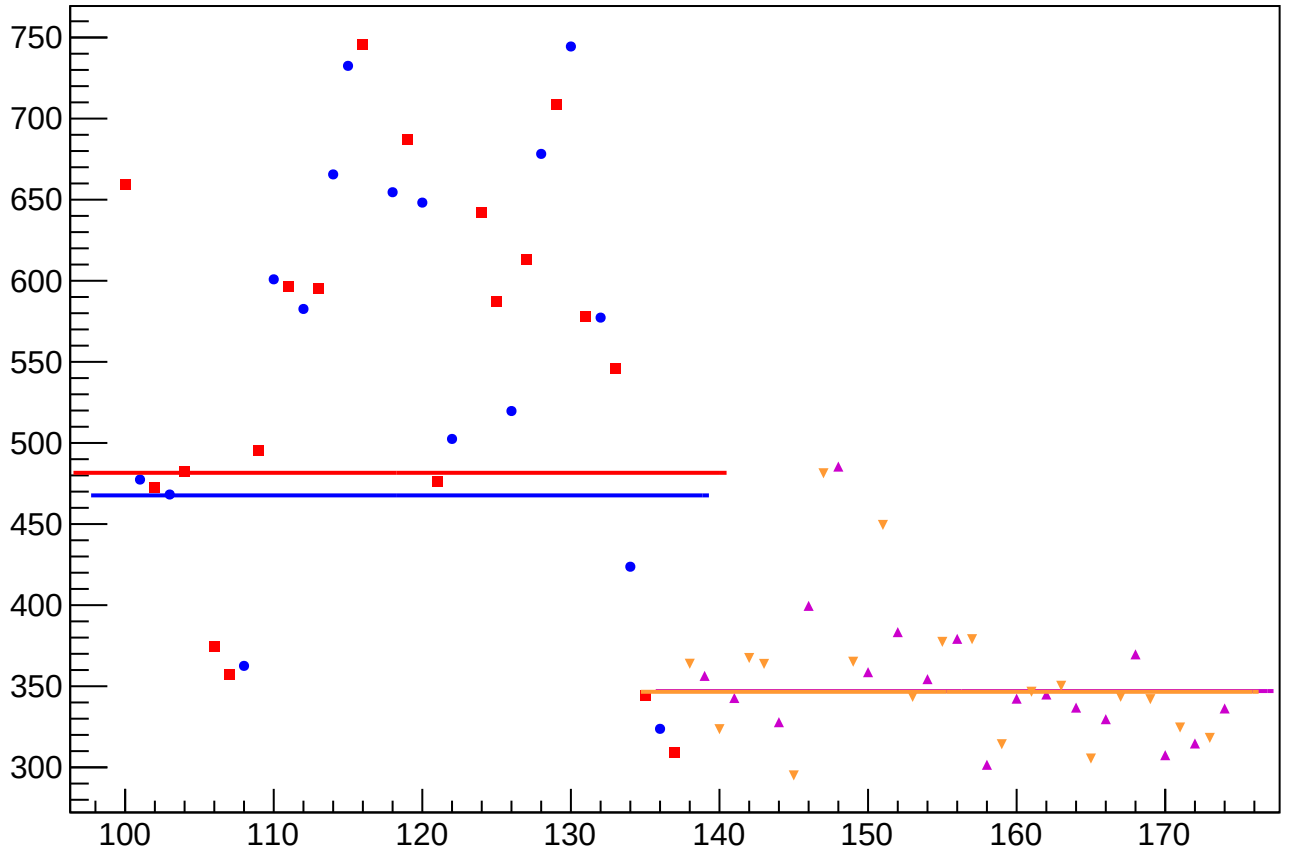
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -34.868+/-90.677 χ^2/NDF:31.7/17

+ sign -152.285+/-80.639 χ^2/NDF: 40.8/34

All: -87.116+/-57.190 χ^2/NDF: 89.3/71

- 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: 346.589+/-0.064 χ^2/NDF:370434.5/18

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

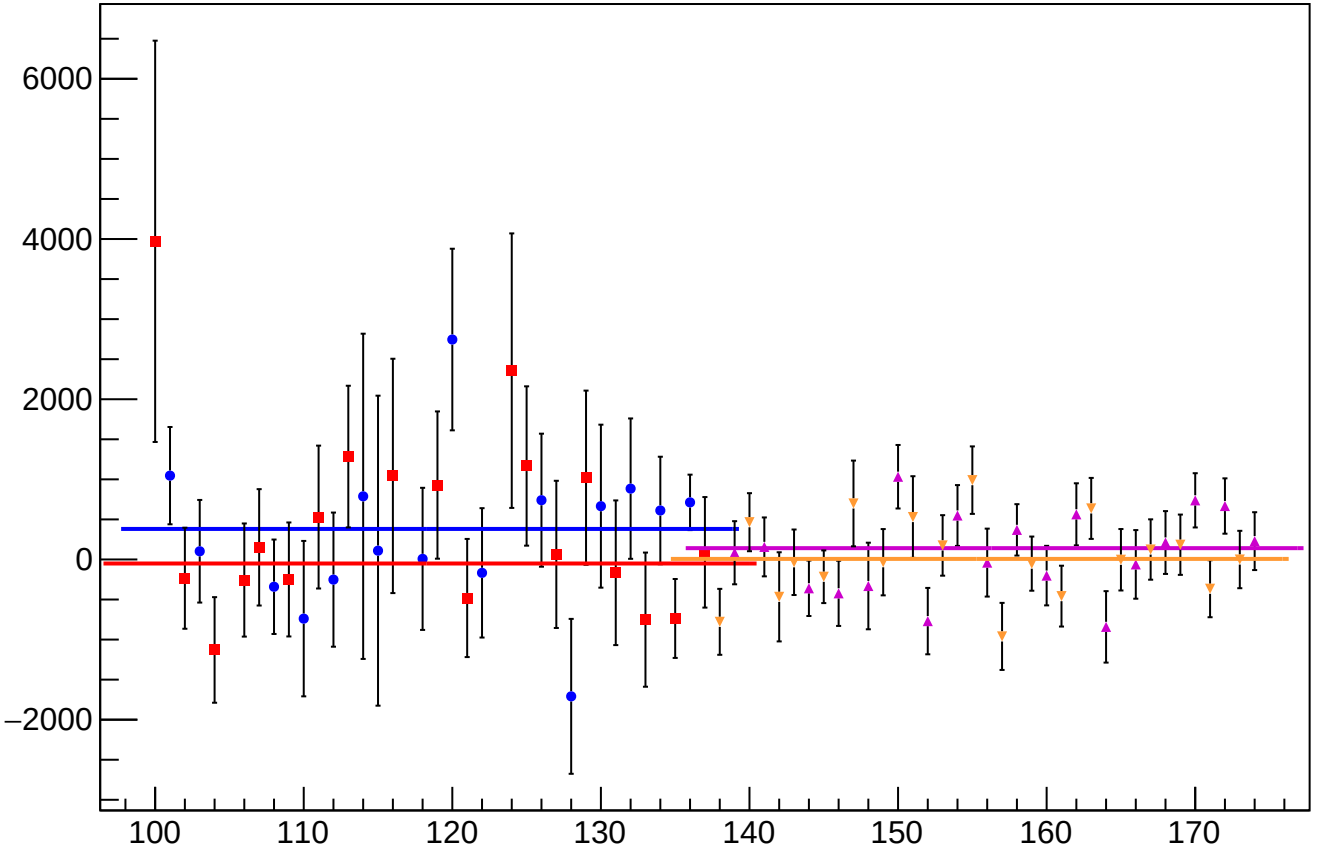
Left In: 347.035+/-0.064 χ^2/NDF:298606.0/17

+ sign 370.800+/-0.057 χ^2/NDF: 2077767.8/34

All: 372.340+/-0.040 χ^2/NDF: 4111413.9/71

- 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: 7.018+/-90.268 χ^2/NDF:25.8/18

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

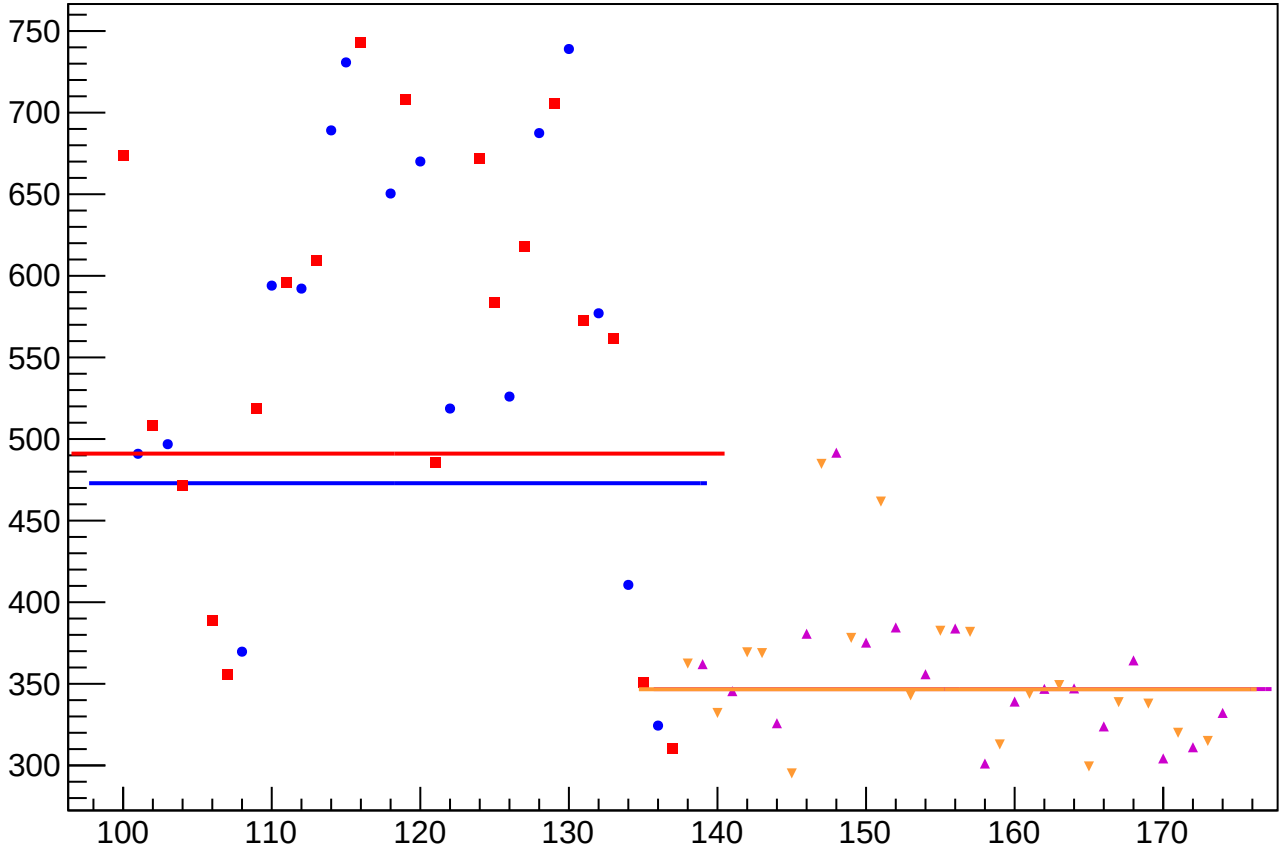
Left In: 141.119+/-90.641 χ^2/NDF:29.2/17

+ sign 80.445+/-80.925 χ^2/NDF: 45.4/34

All: 92.215+/-57.396 χ^2/NDF: 92.9/71

- 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: 346.672+/-0.064 χ^2/NDF:419461.6/18

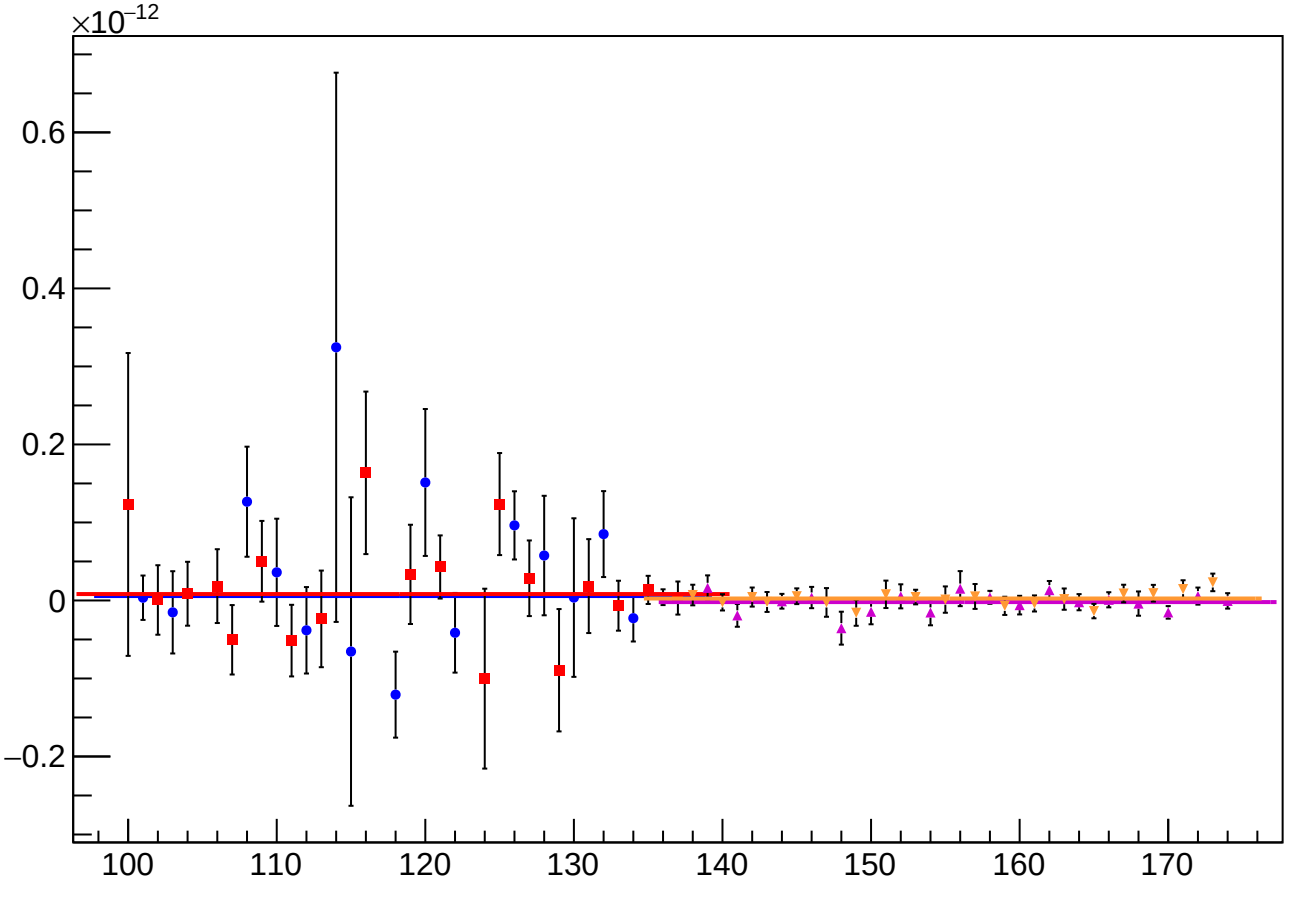
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 346.772+/-0.064 χ^2/NDF:318345.2/17

+ sign 371.454+/-0.057 χ^2/NDF: 2187700.5/34

All: 373.038+/-0.041 χ^2/NDF: 4333960.5/71

- 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:11.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

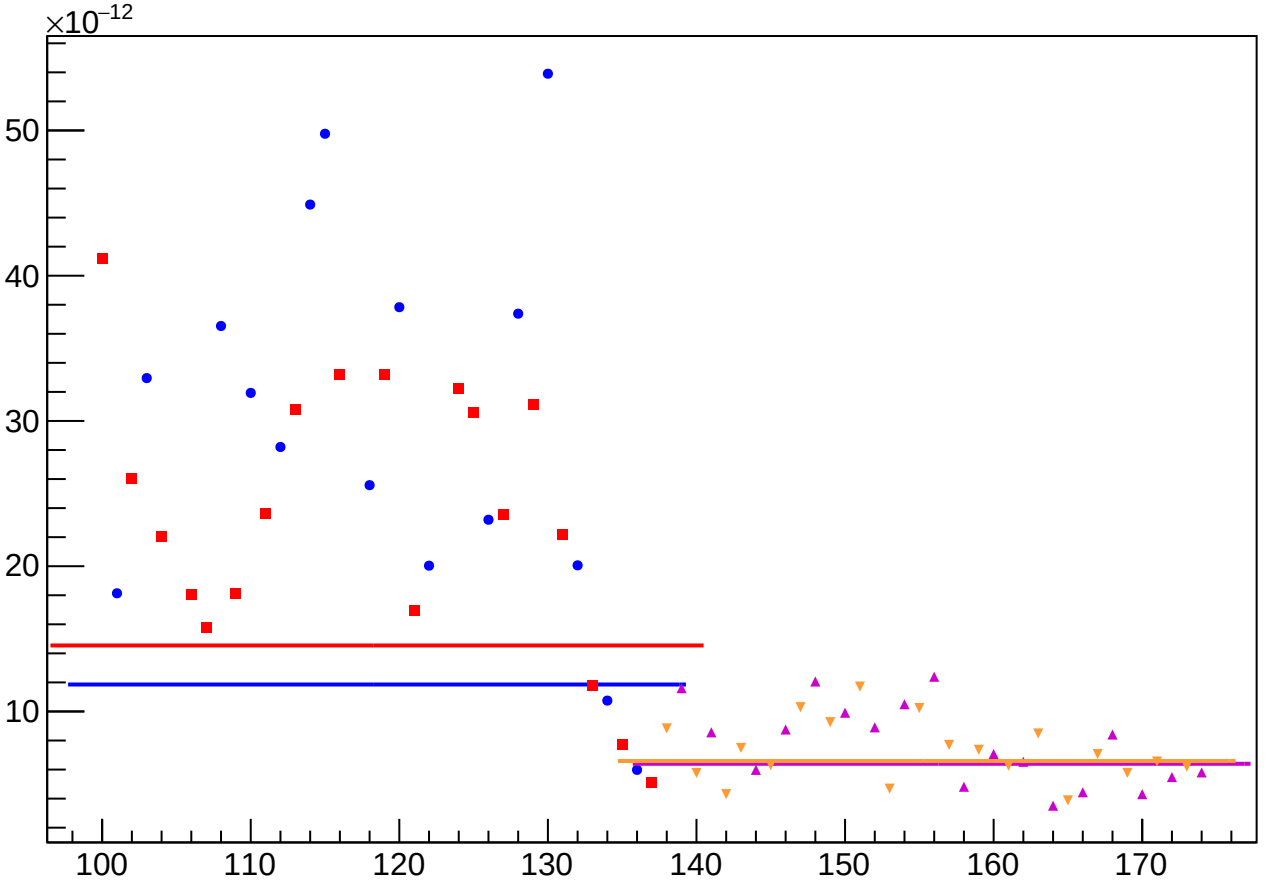
Left In: -0.000+/-0.000 χ^2/NDF:13.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 32.6/34

All: 0.000+/-0.000 χ^2/NDF: 62.0/71

- sign -0.000+/-0.000 χ^2/NDF: 28.2/36

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:878445.3/18

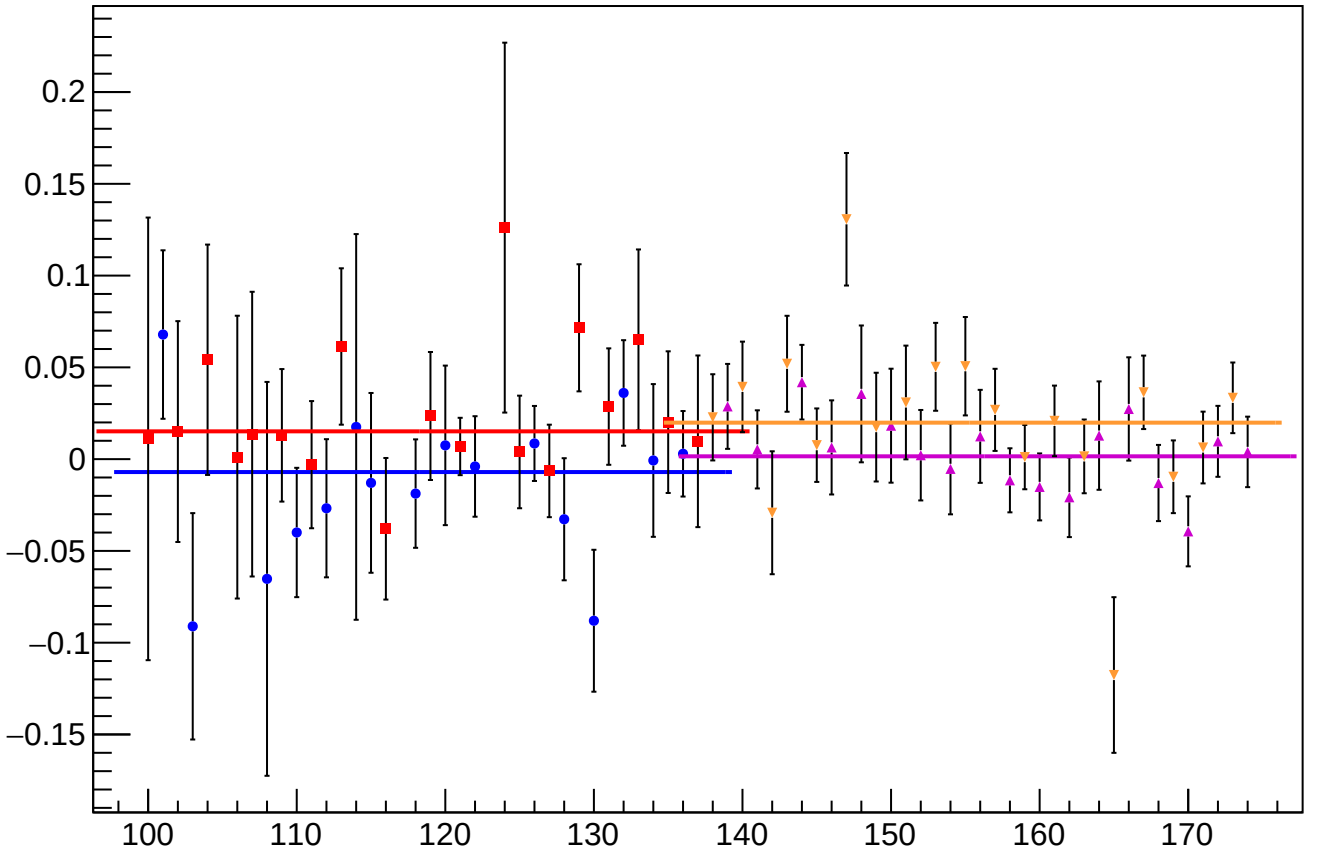
Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1383379.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 4484642.4/34

All: 0.000+/-0.000 χ^2/NDF: 9047751.1/71

- sign 0.000+/-0.000 χ^2/NDF: 4562640.0/36



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.020+/-0.005 χ^2/NDF:33.6/18

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

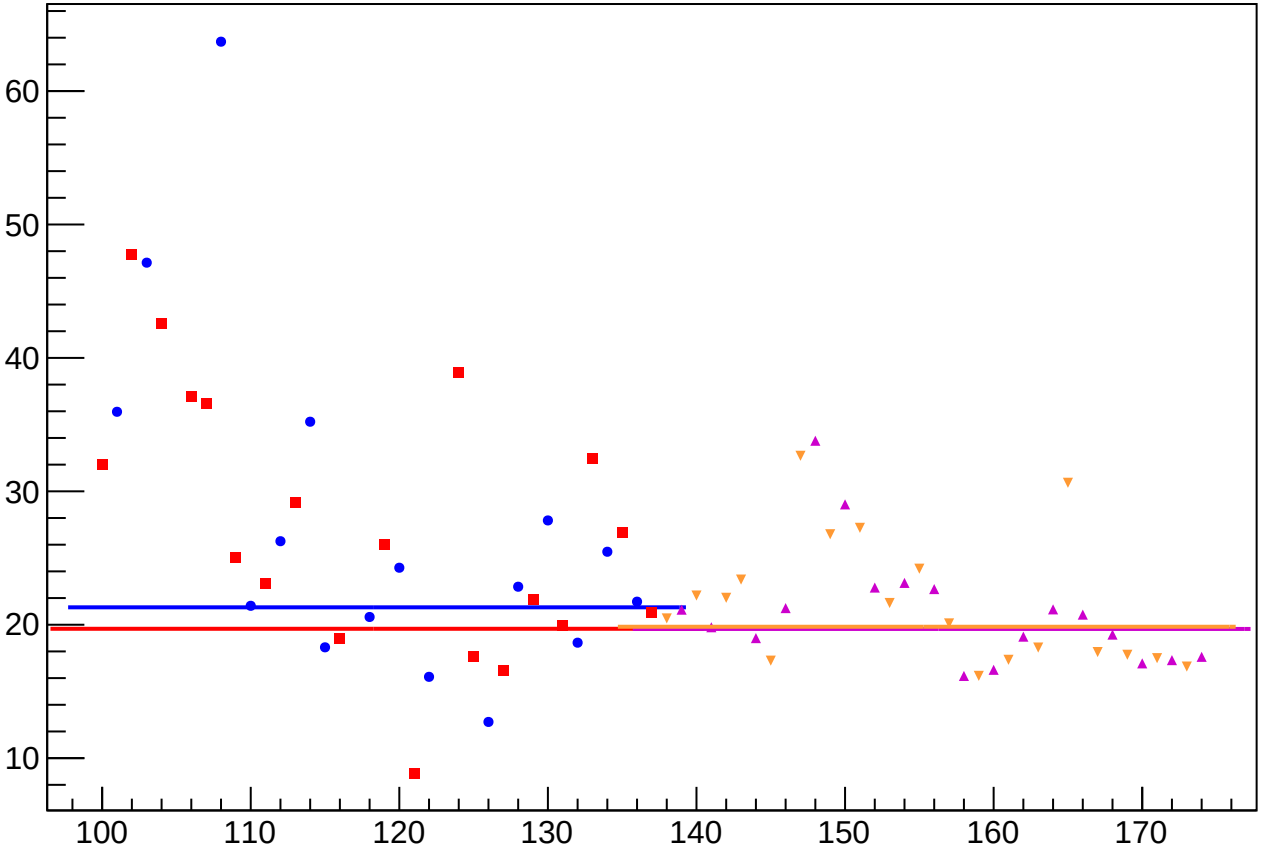
Left In: 0.002+/-0.005 χ^2/NDF:15.5/17

+ sign 0.013+/-0.005 χ^2/NDF: 55.0/34

All: 0.009+/-0.003 χ^2/NDF: 83.8/71

- sign 0.006+/-0.004 χ^2/NDF: 27.5/36

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 19.849+/-0.004 χ^2/NDF:1017276.9/18

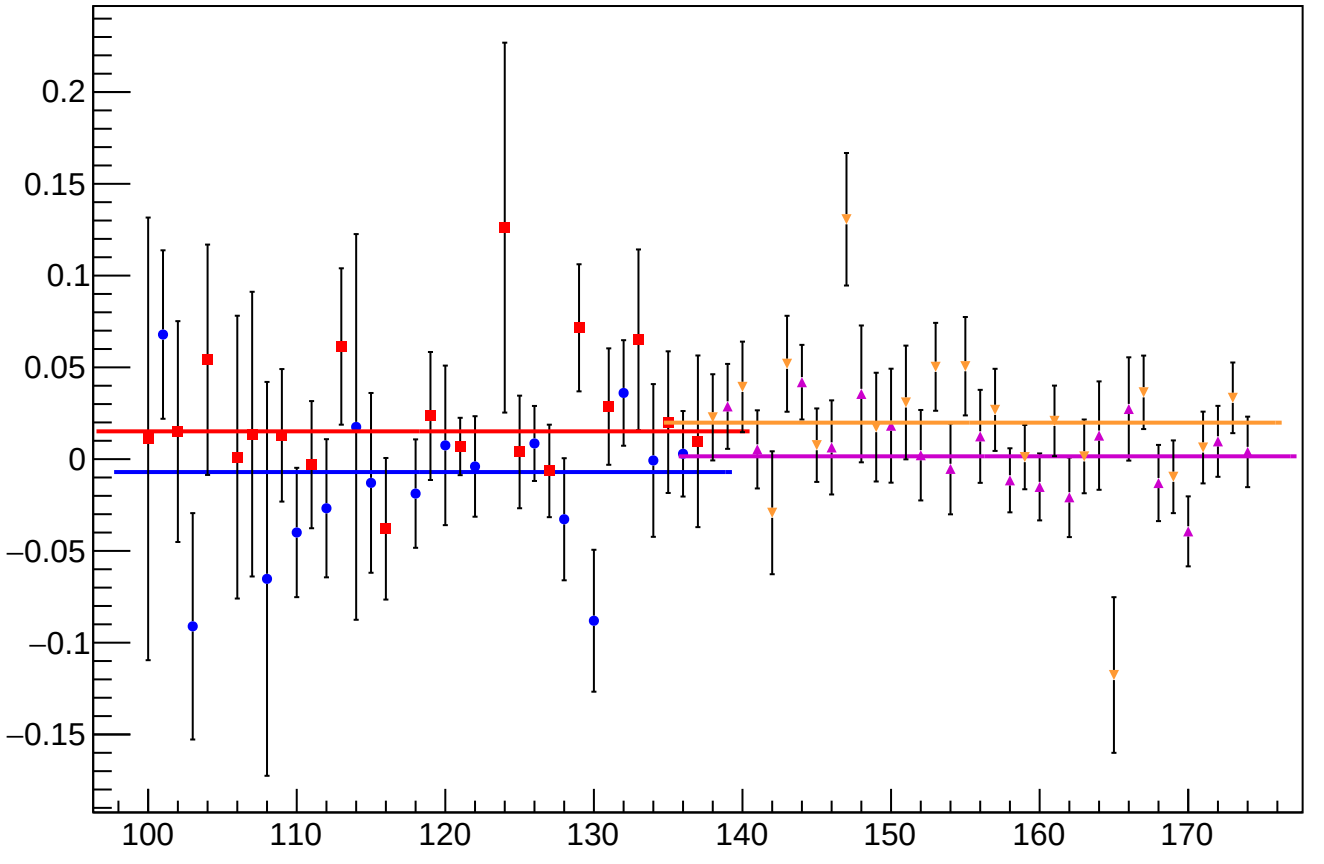
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.684+/-0.004 χ^2/NDF:820727.1/17

\+ sign 20.247+/-0.003 χ^2/NDF: 2538099.2/34

All: 19.964+/-0.002 χ^2/NDF: 5813427.8/71

\- 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: 0.020+/-0.005 χ^2/NDF:33.6/18

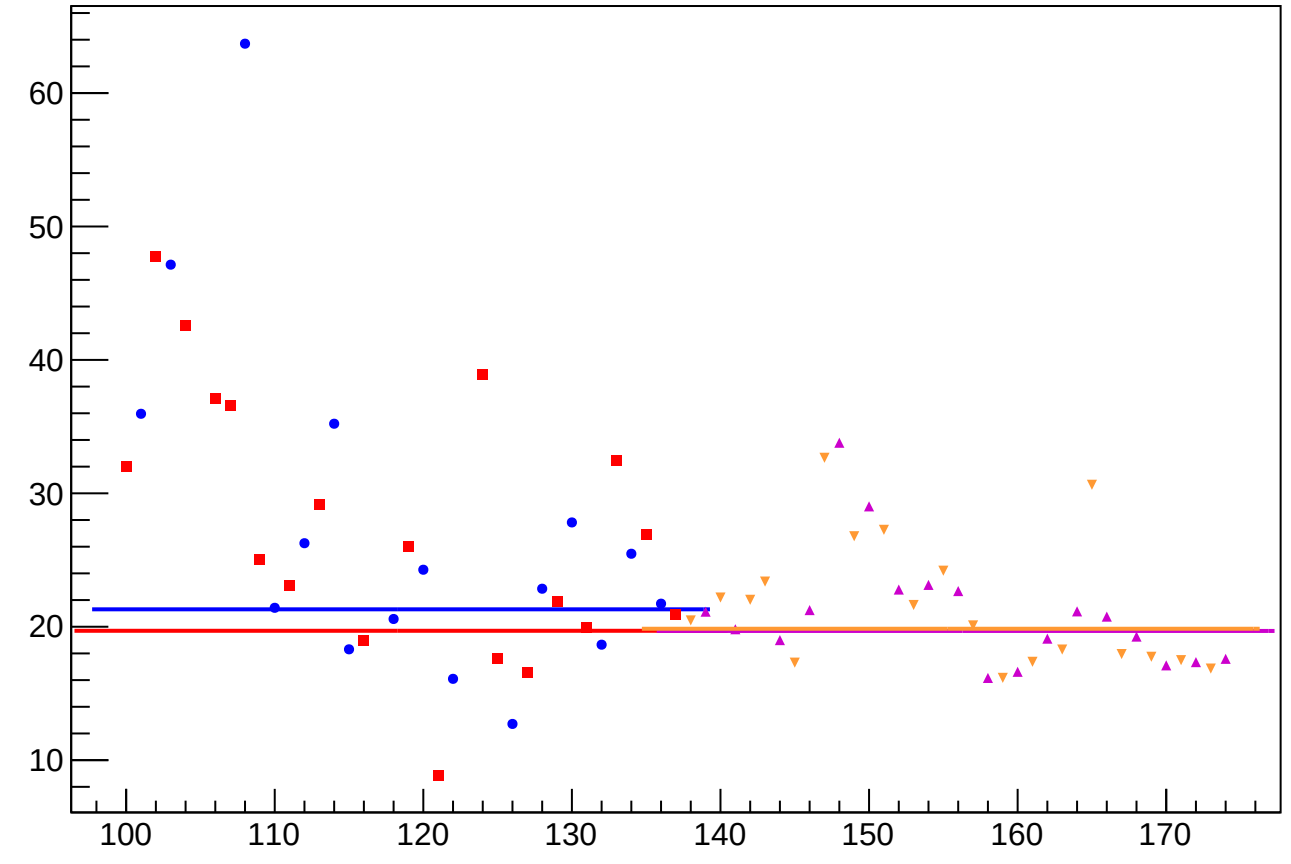
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.002+/-0.005 χ^2/NDF:15.5/17

+ sign 0.013+/-0.005 χ^2/NDF: 55.0/34

All: 0.009+/-0.003 χ^2/NDF: 83.8/71

- 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: 19.849+/-0.004 χ^2/NDF:1017276.9/18

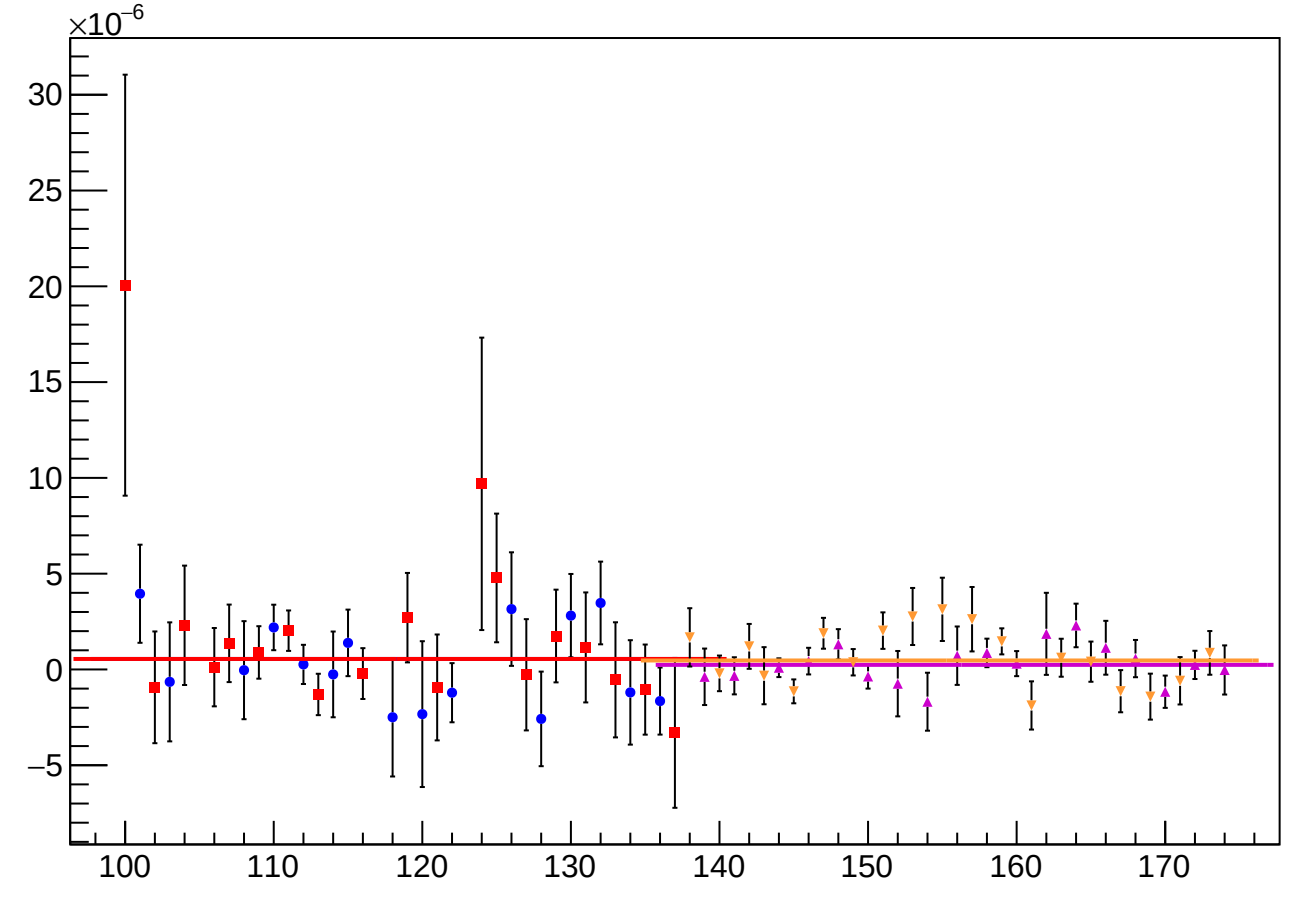
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.684+/-0.004 χ^2/NDF:820727.1/17

\+ sign 20.247+/-0.003 χ^2/NDF: 2538099.2/34

All: 19.964+/-0.002 χ^2/NDF: 5813427.8/71

\- sign 19.688+/-0.003 χ^2/NDF: 3259709.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/18

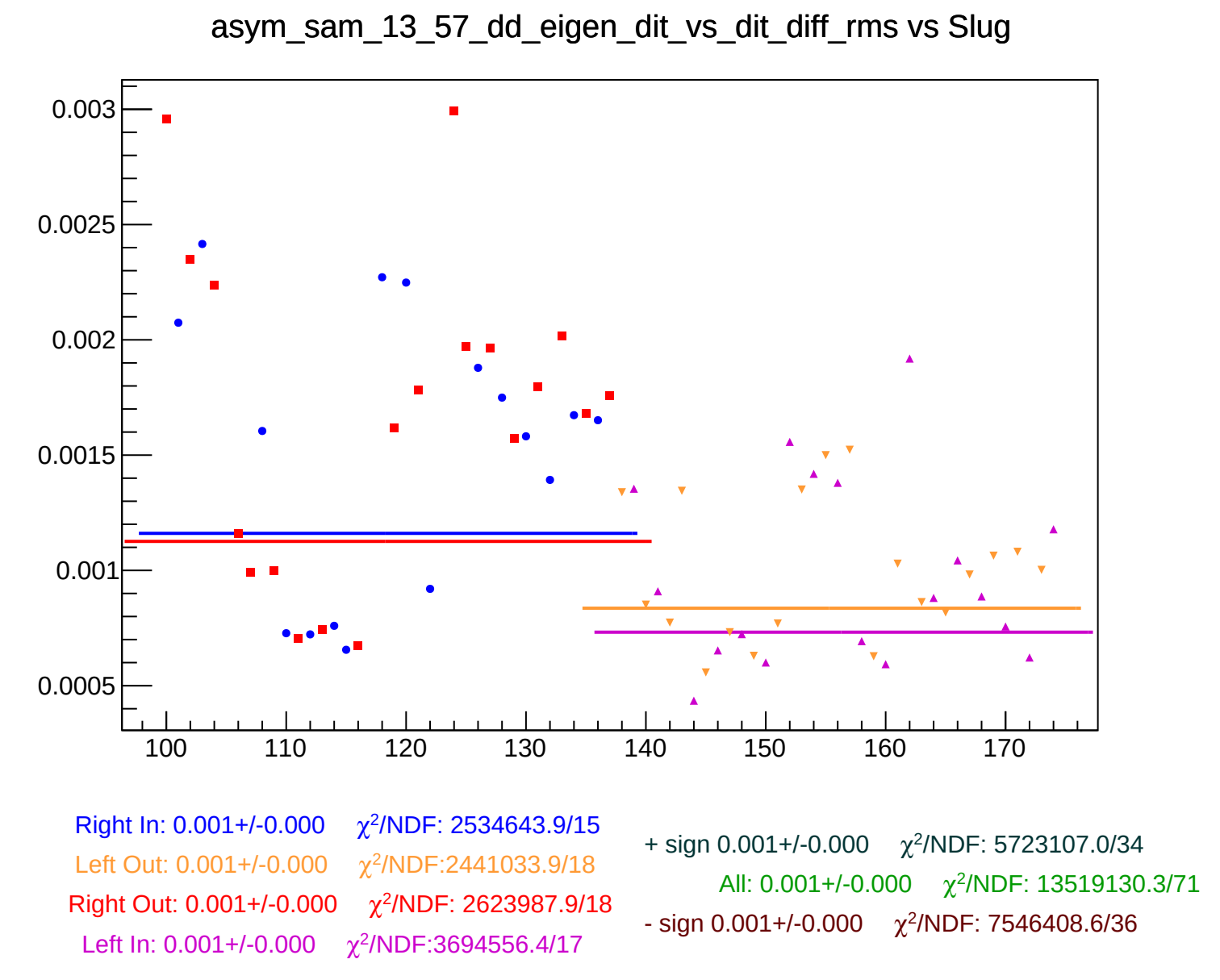
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 46.5/34

All: 0.000+/-0.000 χ^2/NDF: 76.1/71

- sign 0.000+/-0.000 χ^2/NDF: 29.1/36


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug
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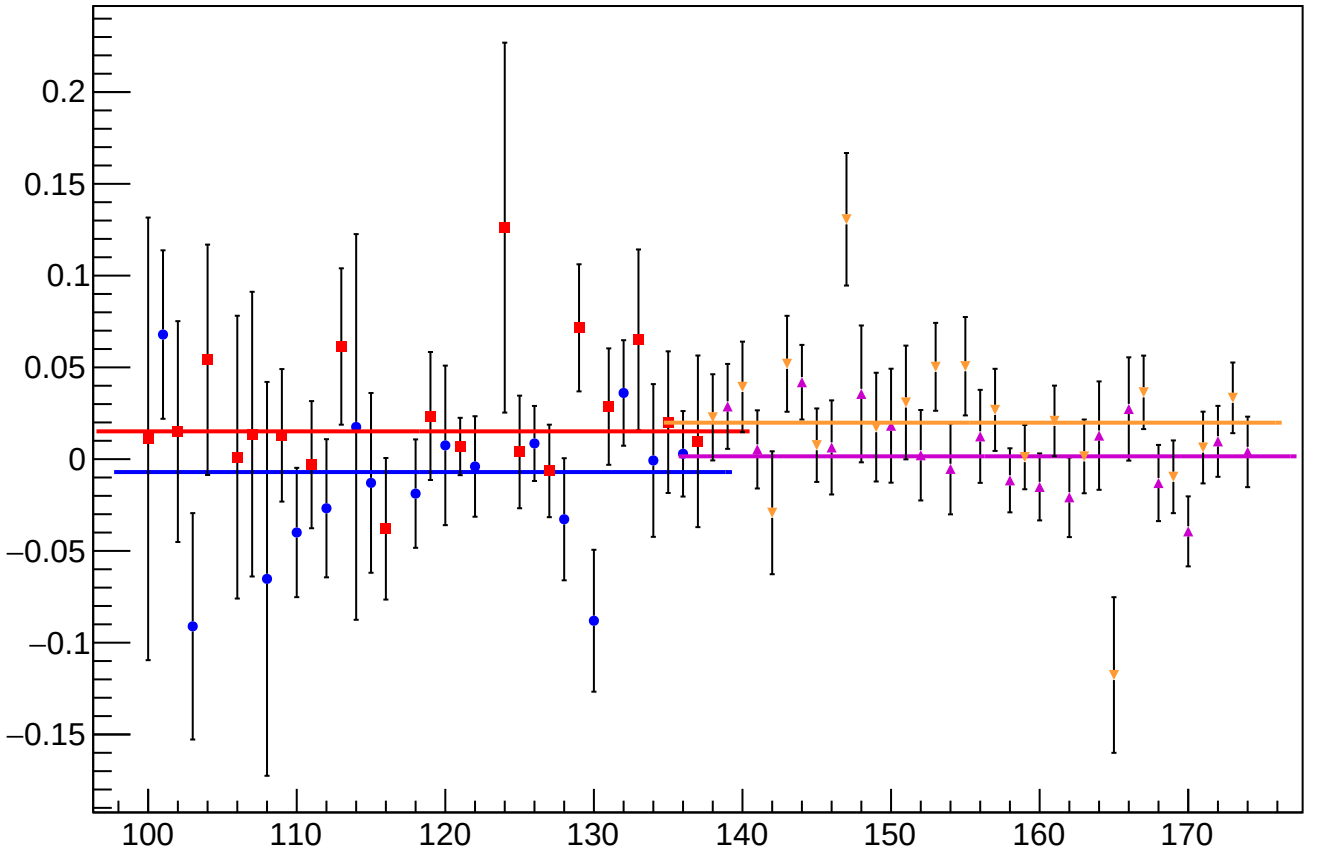
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2441033.9/18
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:3694556.4/17
+ sign 0.001+/-0.000 χ²/NDF: 5723107.0/34
All: 0.001+/-0.000 χ²/NDF: 13519130.3/71
- sign 0.001+/-0.000 χ²/NDF: 7546408.6/36



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.020+/-0.005 χ^2/NDF:33.6/18

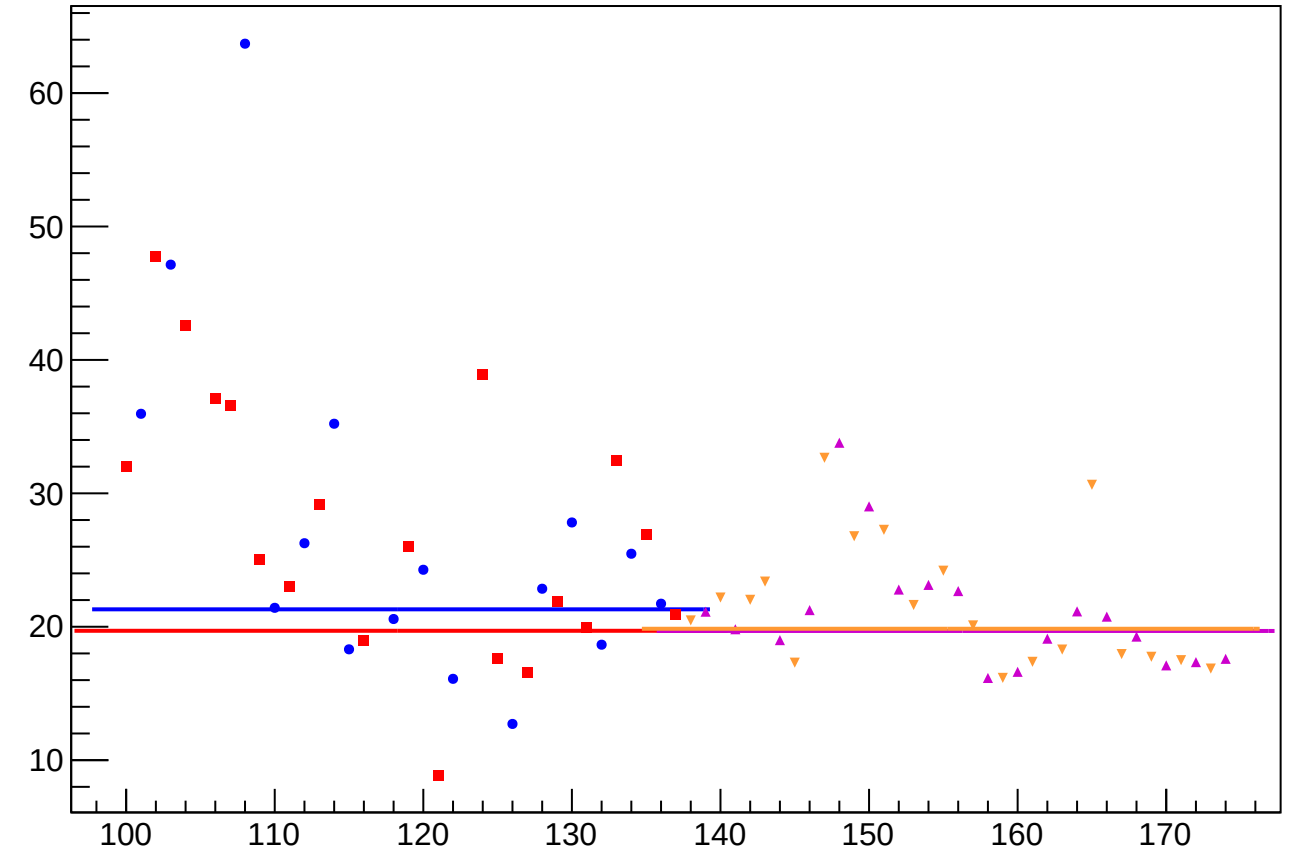
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.002+/-0.005 χ^2/NDF:15.5/17

+ sign 0.013+/-0.005 χ^2/NDF: 55.0/34

All: 0.009+/-0.003 χ^2/NDF: 83.8/71

- 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: 19.849+/-0.004 χ^2/NDF:1017393.2/18

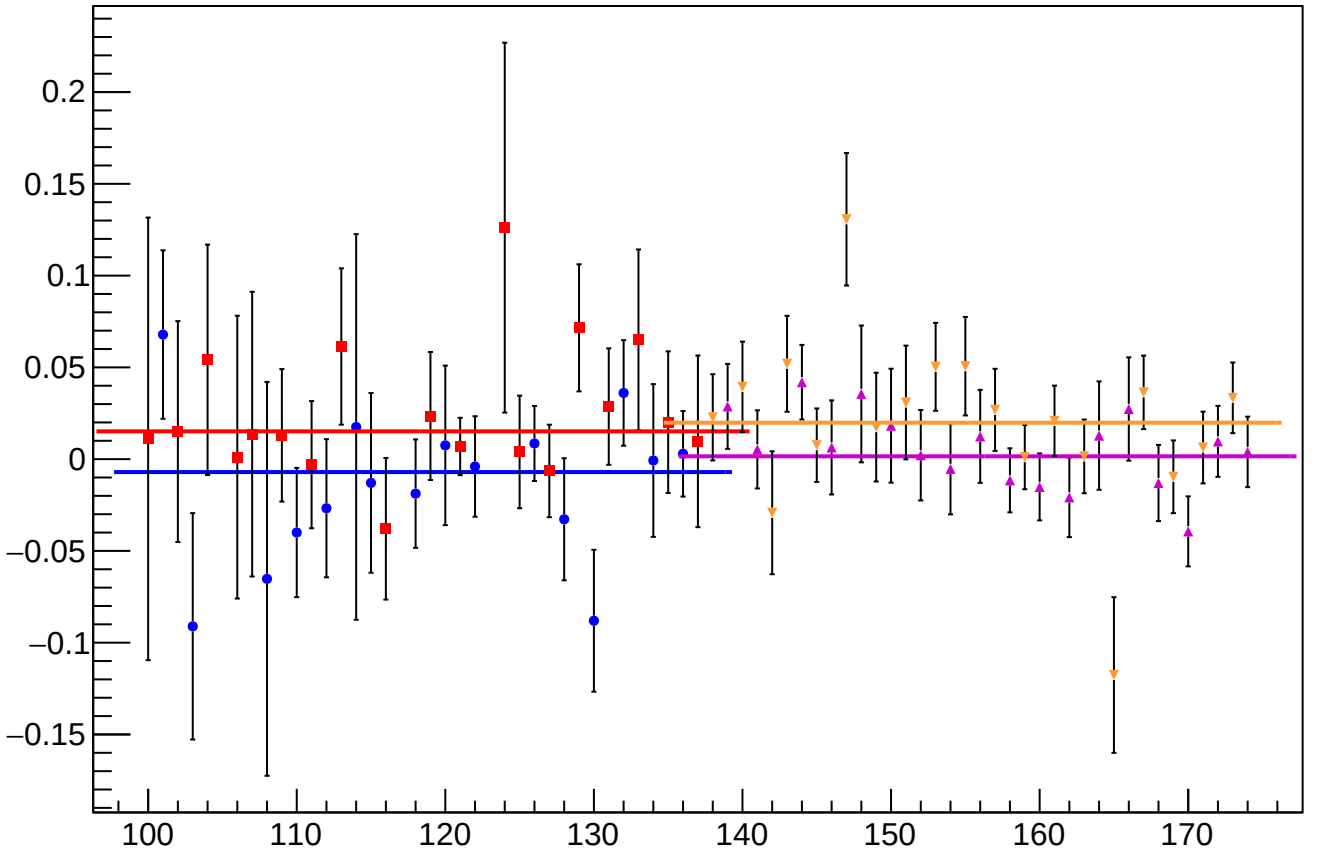
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.684+/-0.004 χ^2/NDF:820793.9/17

\+ sign 20.247+/-0.003 χ^2/NDF: 2538066.3/34

All: 19.964+/-0.002 χ^2/NDF: 5813085.3/71

\- sign 19.688+/-0.003 χ^2/NDF: 3259409.9/36



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.020+/-0.005 χ^2/NDF:33.6/18

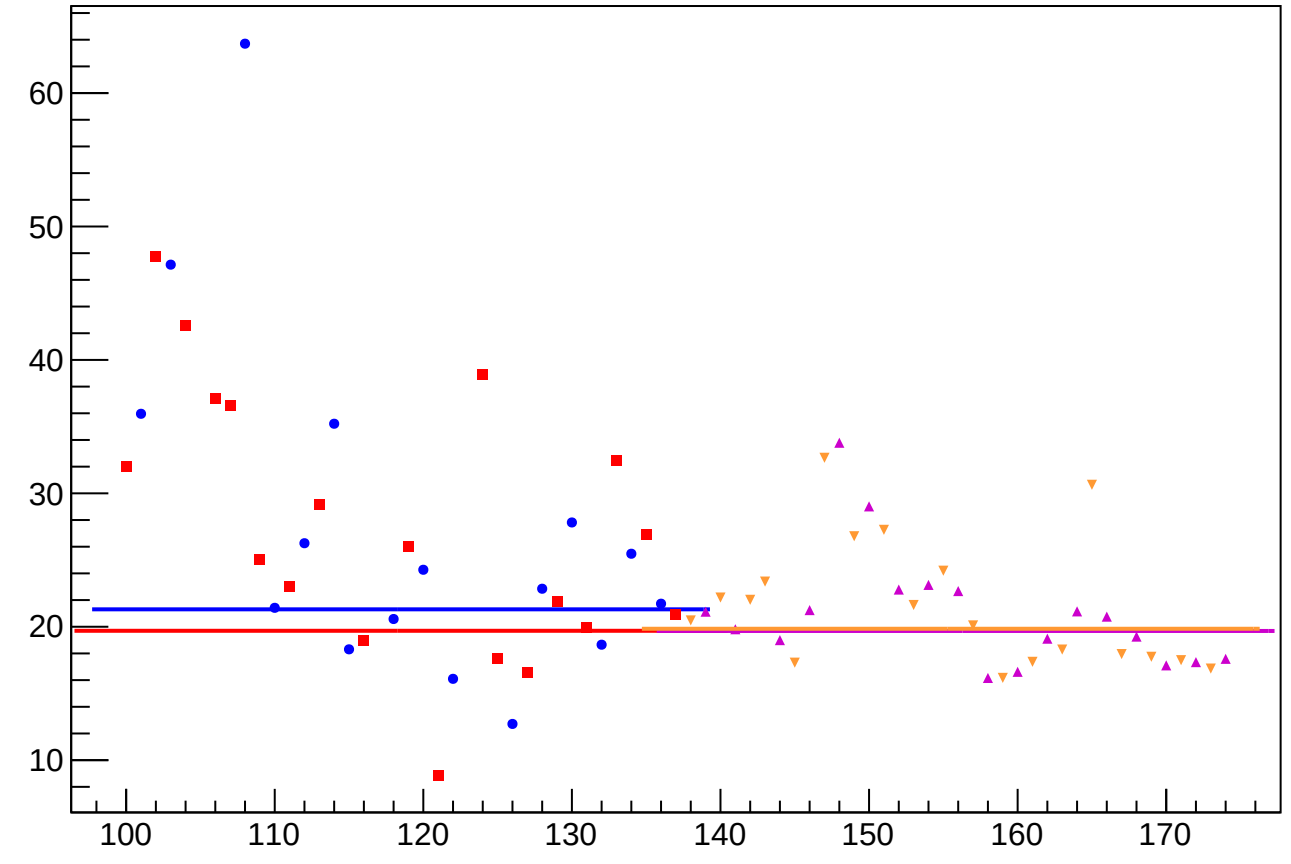
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.002+/-0.005 χ^2/NDF:15.5/17

+ sign 0.013+/-0.005 χ^2/NDF: 55.0/34

All: 0.009+/-0.003 χ^2/NDF: 83.8/71

- 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: 19.849+/-0.004 χ^2/NDF:1017393.2/18

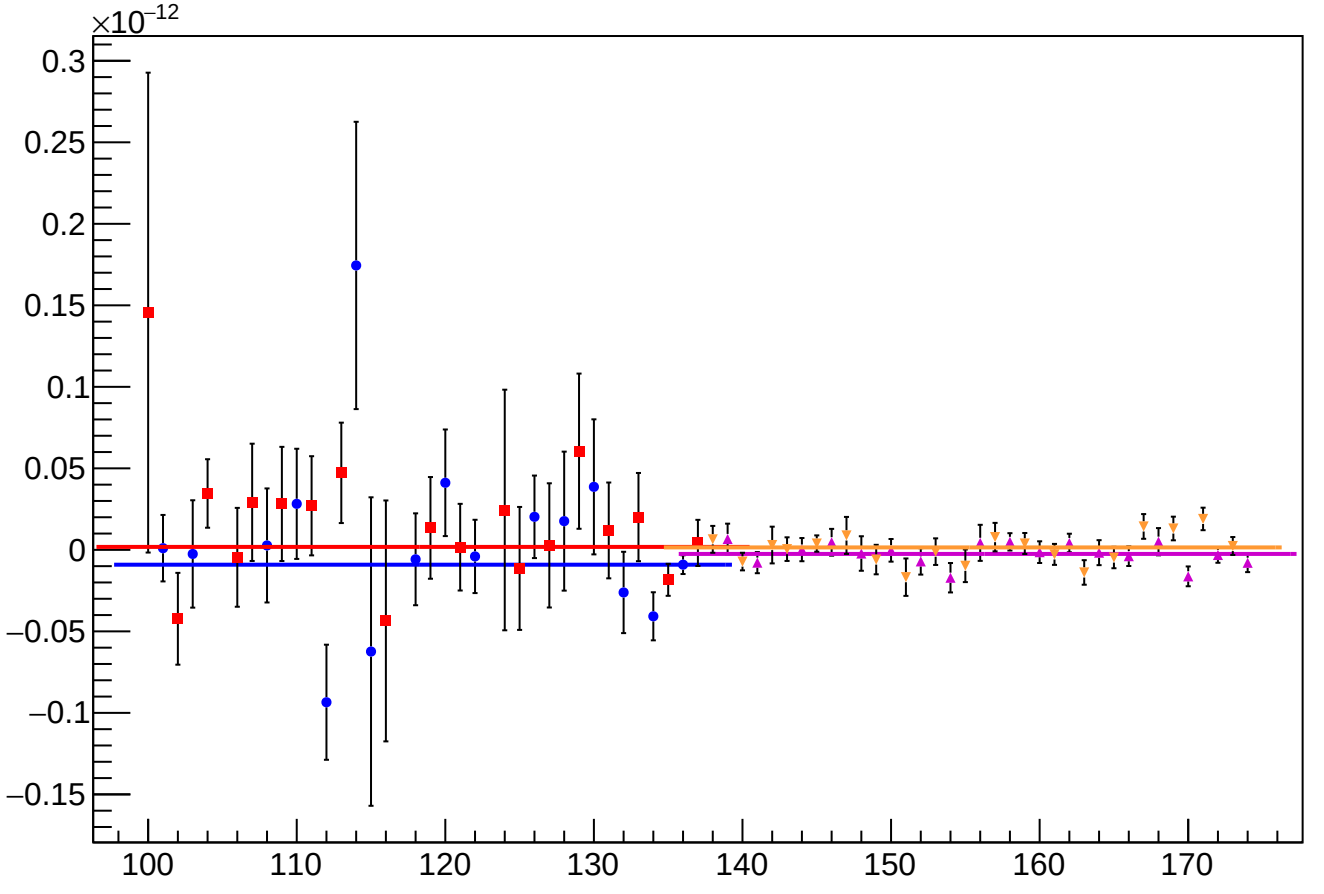
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.684+/-0.004 χ^2/NDF:820793.9/17

+ sign 20.247+/-0.003 χ^2/NDF: 2538066.3/34

All: 19.964+/-0.002 χ^2/NDF: 5813085.3/71

- 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:26.2/18

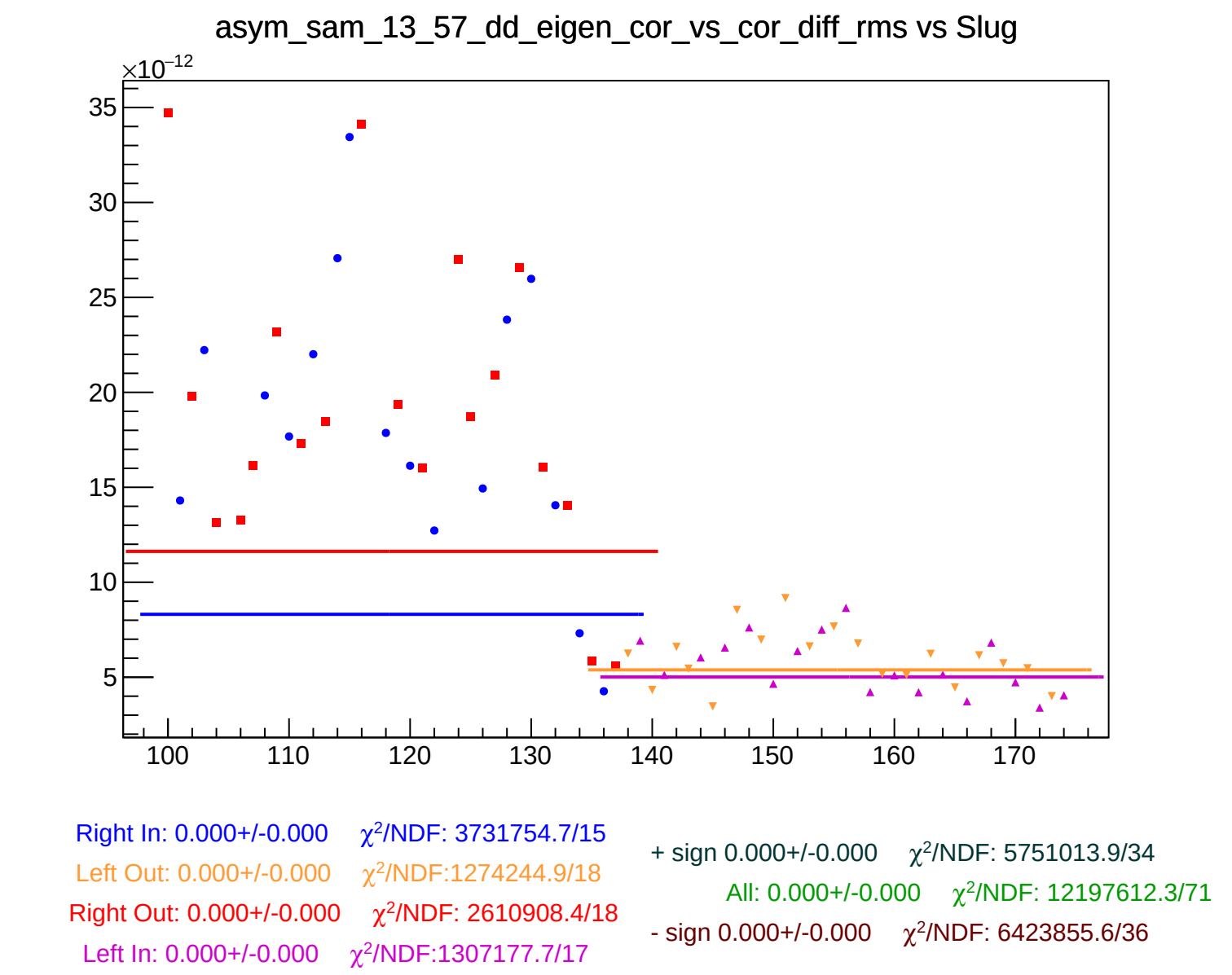
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 53.7/34

All: -0.000+/-0.000 χ^2/NDF: 88.6/71

- sign -0.000+/-0.000 χ^2/NDF: 33.7/36


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug
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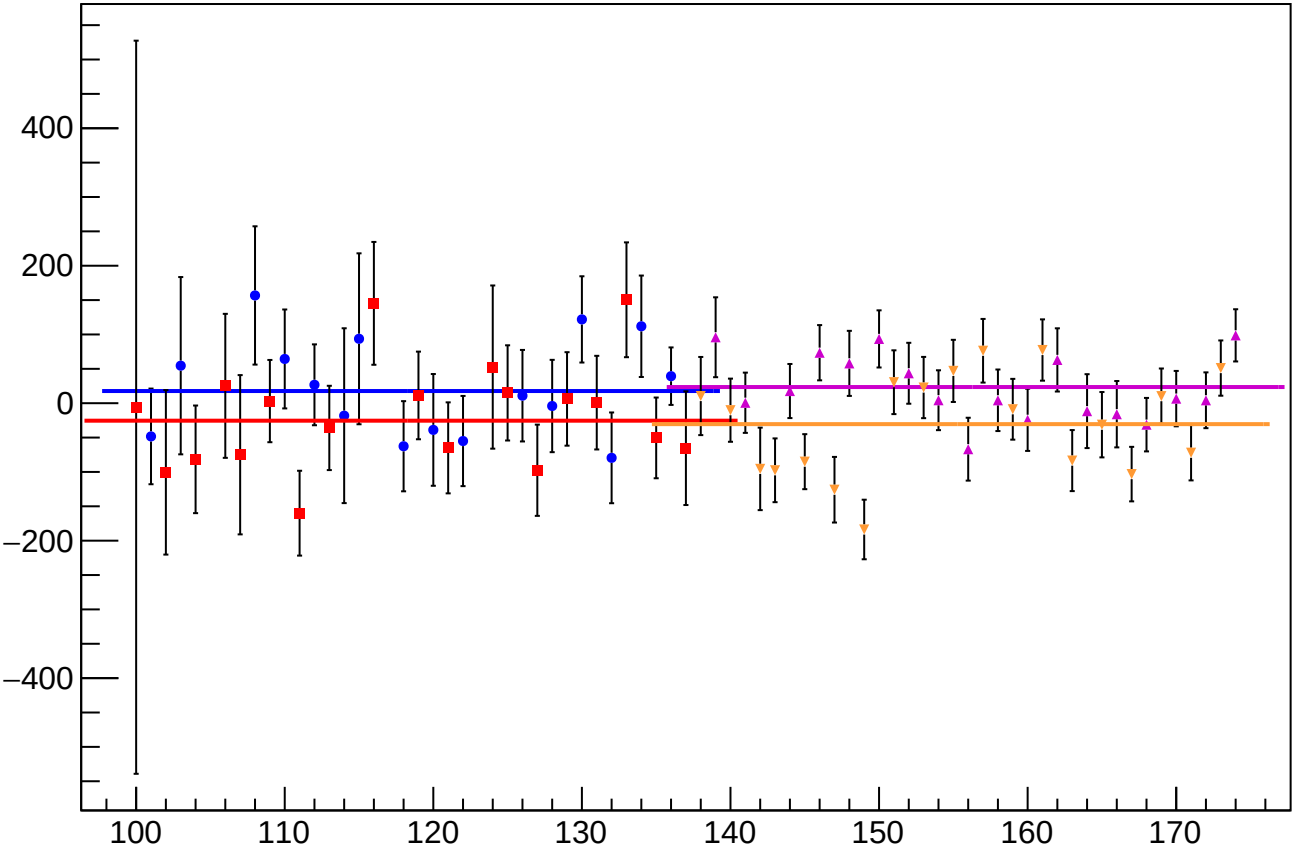
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1274244.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:1307177.7/17
+ sign 0.000+/-0.000 χ²/NDF: 5751013.9/34
All: 0.000+/-0.000 χ²/NDF: 12197612.3/71
- sign 0.000+/-0.000 χ²/NDF: 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: -30.454+/-10.260 χ^2/NDF:50.8/18

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

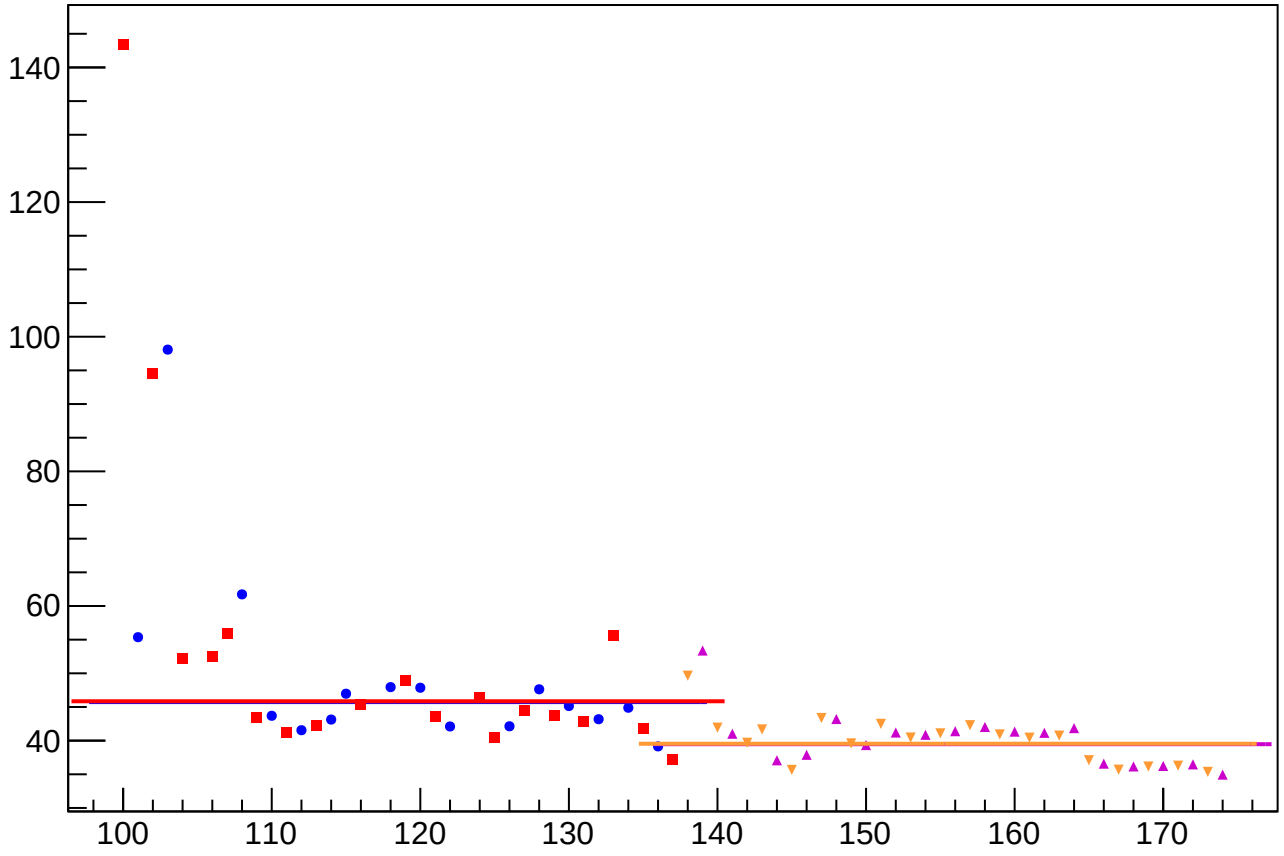
Left In: 23.517+/-10.296 χ^2/NDF:20.5/17

\+ sign -18.104+/-8.847 χ^2/NDF: 70.4/34

All: -3.685+/-6.258 χ^2/NDF: 120.0/71

\- 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: 39.541+/-0.007 χ^2/NDF:200367.6/18

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

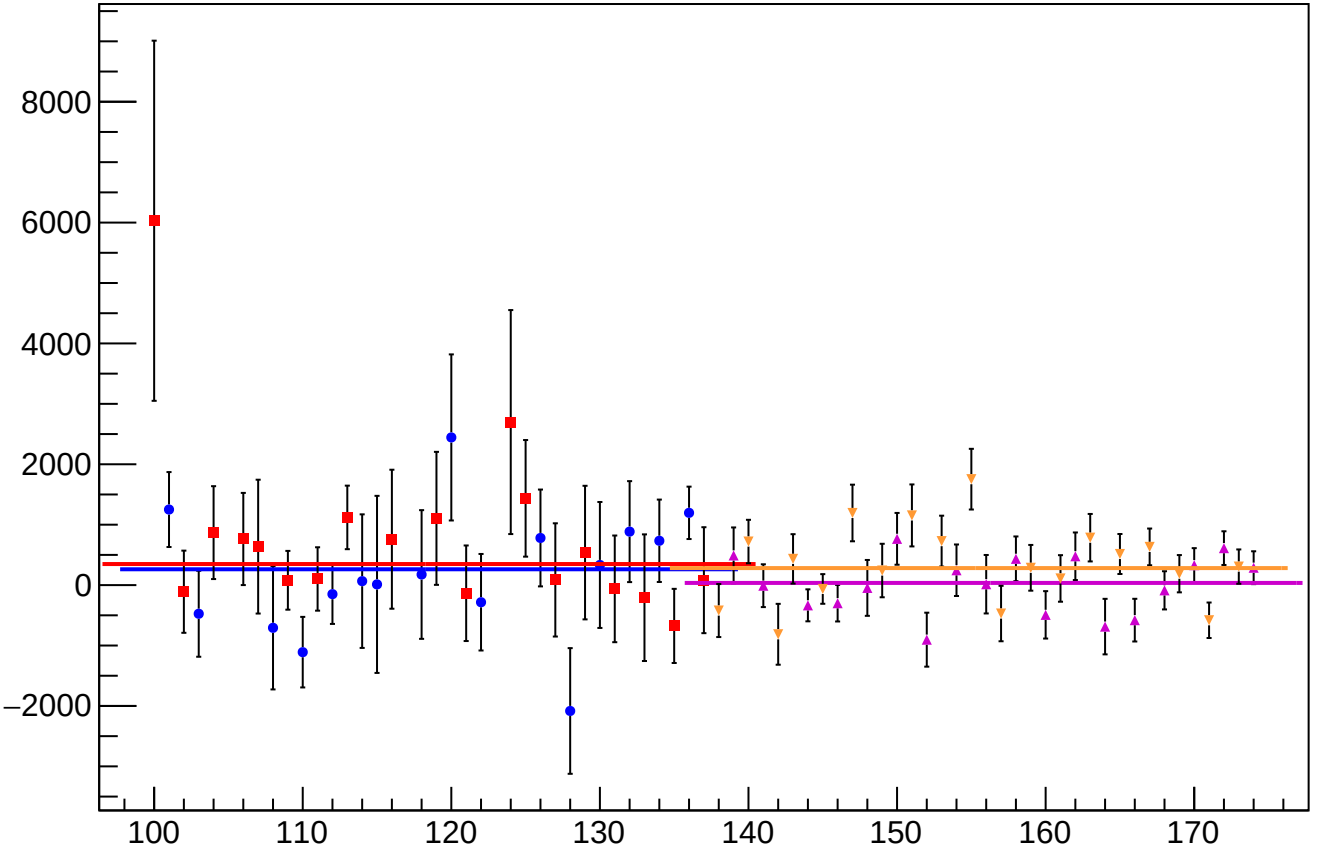
Left In: 39.472+/-0.007 χ^2/NDF:239078.6/17

+ sign 41.127+/-0.006 χ^2/NDF: 888265.5/34

All: 41.131+/-0.004 χ^2/NDF: 1867574.4/71

- sign 41.135+/-0.006 χ^2/NDF: 979308.2/36

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 281.723+/-83.947 χ^2/NDF:42.4/18

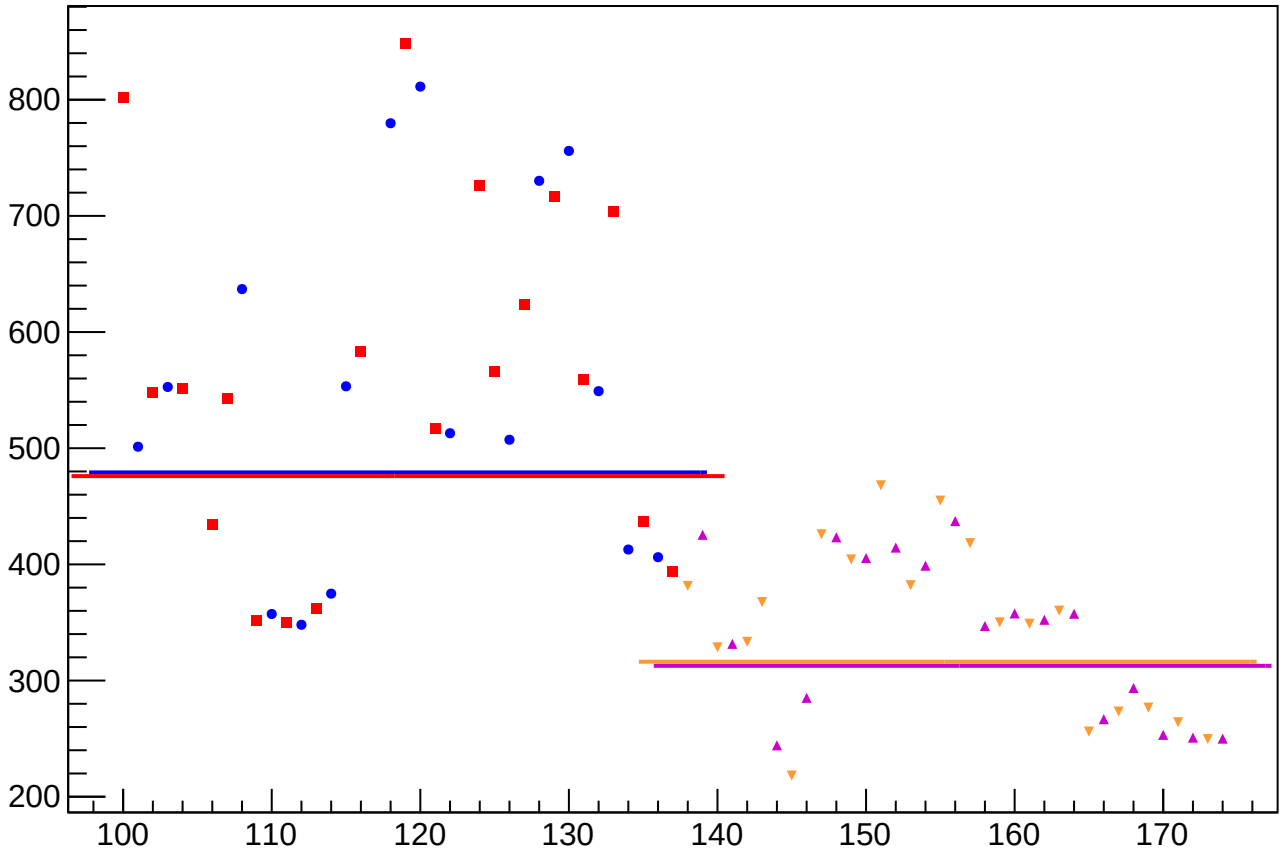
Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 36.110+/-83.133 χ^2/NDF:27.9/17

+ sign 278.352+/-76.460 χ^2/NDF: 67.4/34

All: 183.379+/-53.731 χ^2/NDF: 115.7/71

- sign 90.720+/-75.522 χ^2/NDF: 45.3/36



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 316.196+/-0.059 χ^2/NDF:1430771.6/18

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

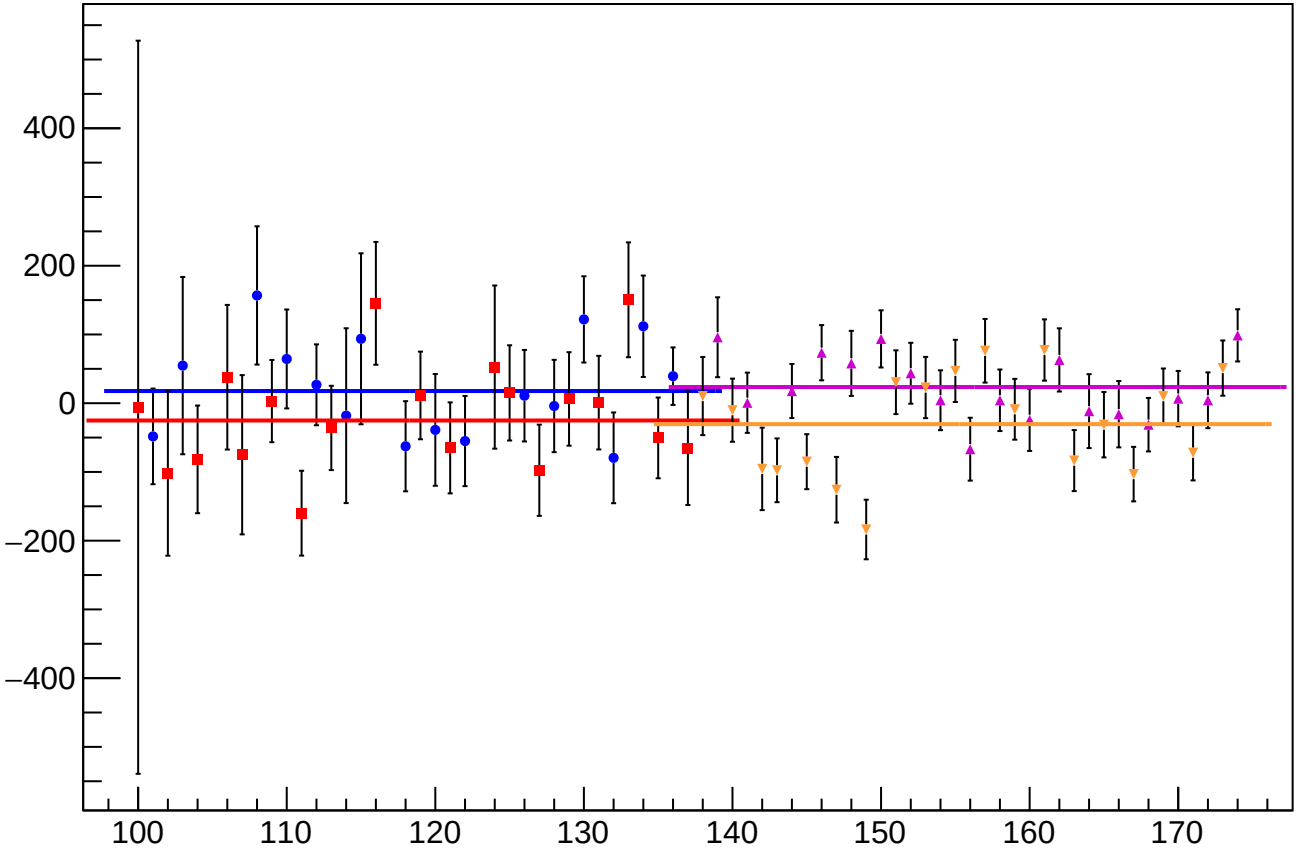
Left In: 312.688+/-0.059 χ^2/NDF:1218205.8/17

+ sign 343.972+/-0.054 χ^2/NDF: 3668244.9/34

All: 342.579+/-0.038 χ^2/NDF: 7242597.5/71

- 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: -30.455+/-10.260 χ^2/NDF:50.8/18

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

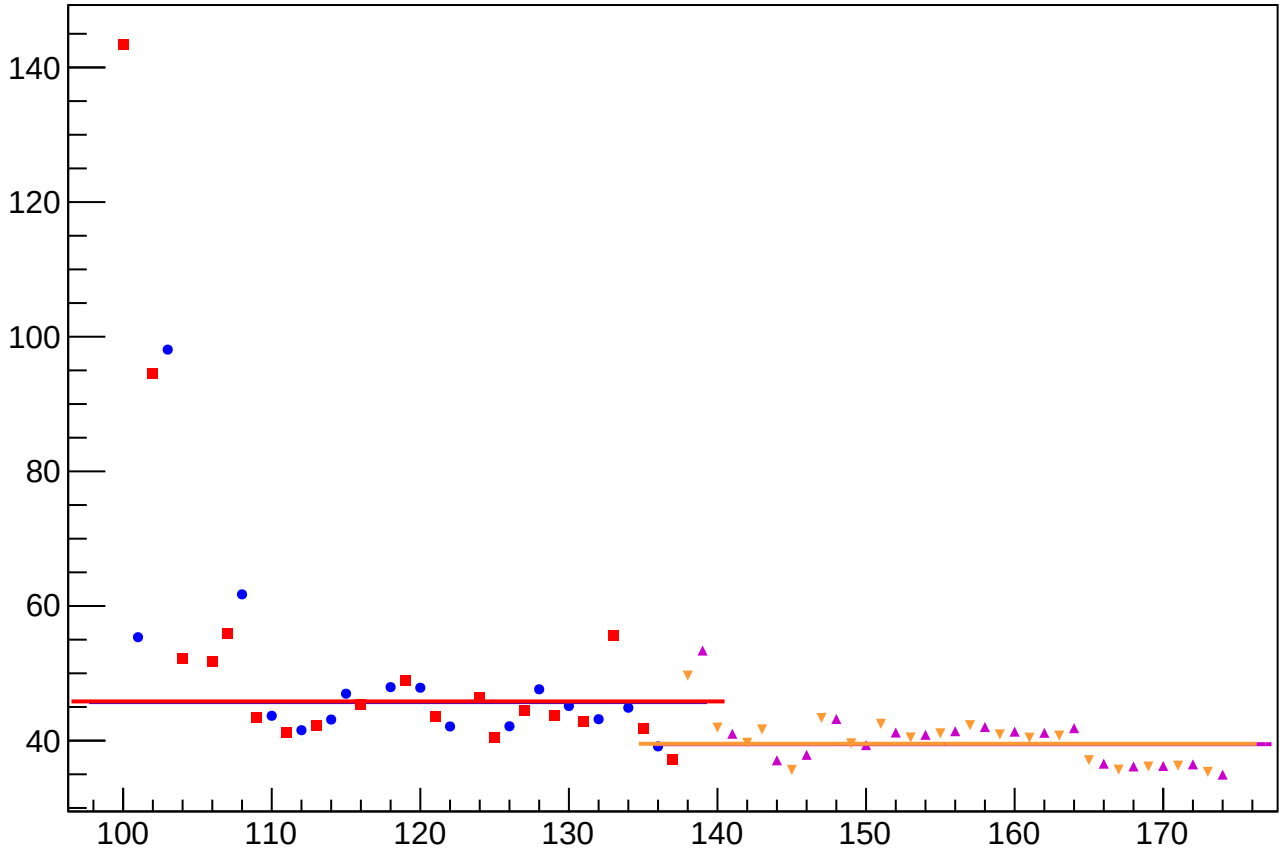
Left In: 23.516+/-10.296 χ^2/NDF:20.5/17

+ sign -18.104+/-8.847 χ^2/NDF: 70.4/34

All: -3.645+/-6.258 χ^2/NDF: 120.1/71

- 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: 39.541+/-0.007 χ^2/NDF:200367.6/18

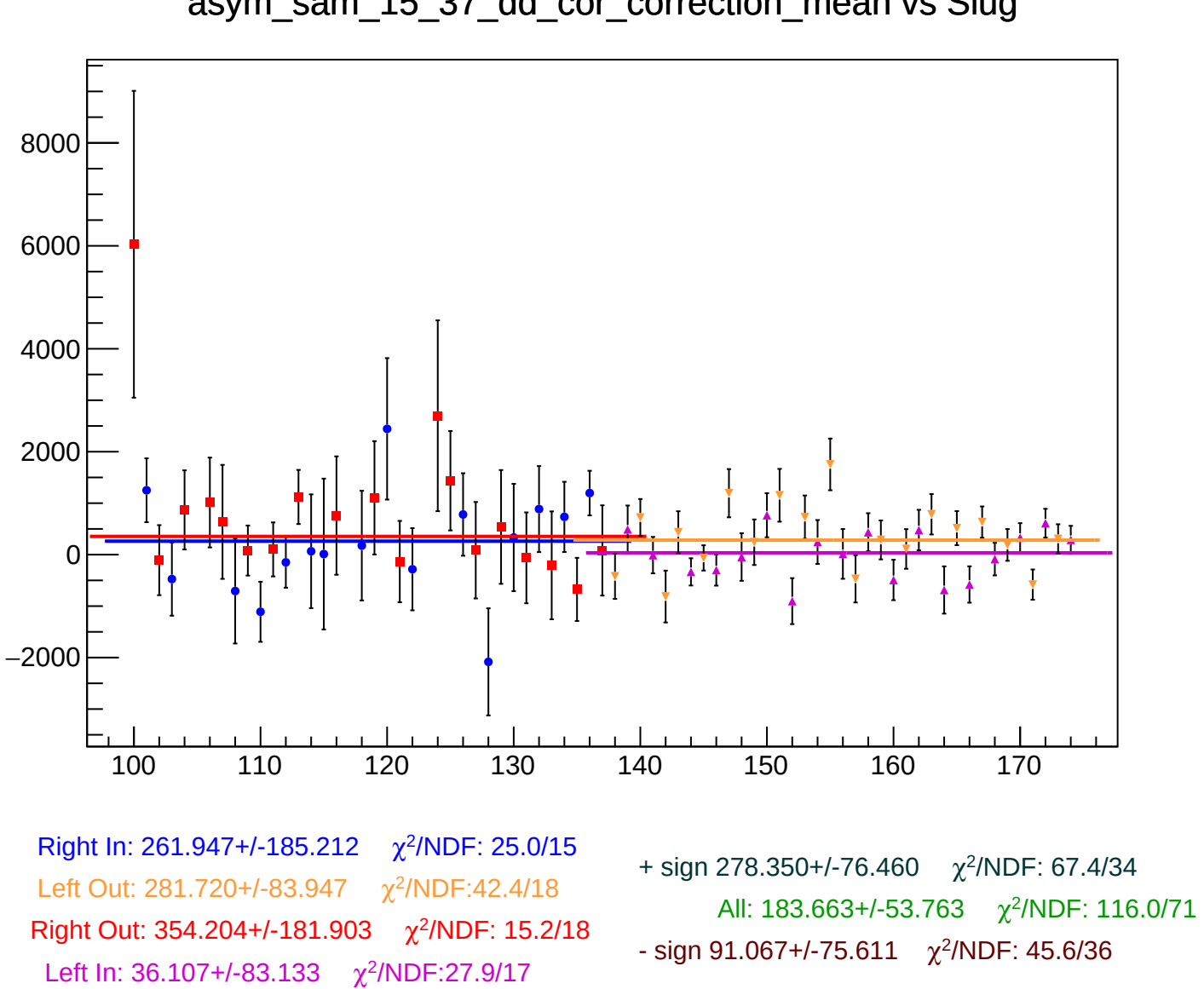
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.472+/-0.007 χ^2/NDF:239078.6/17

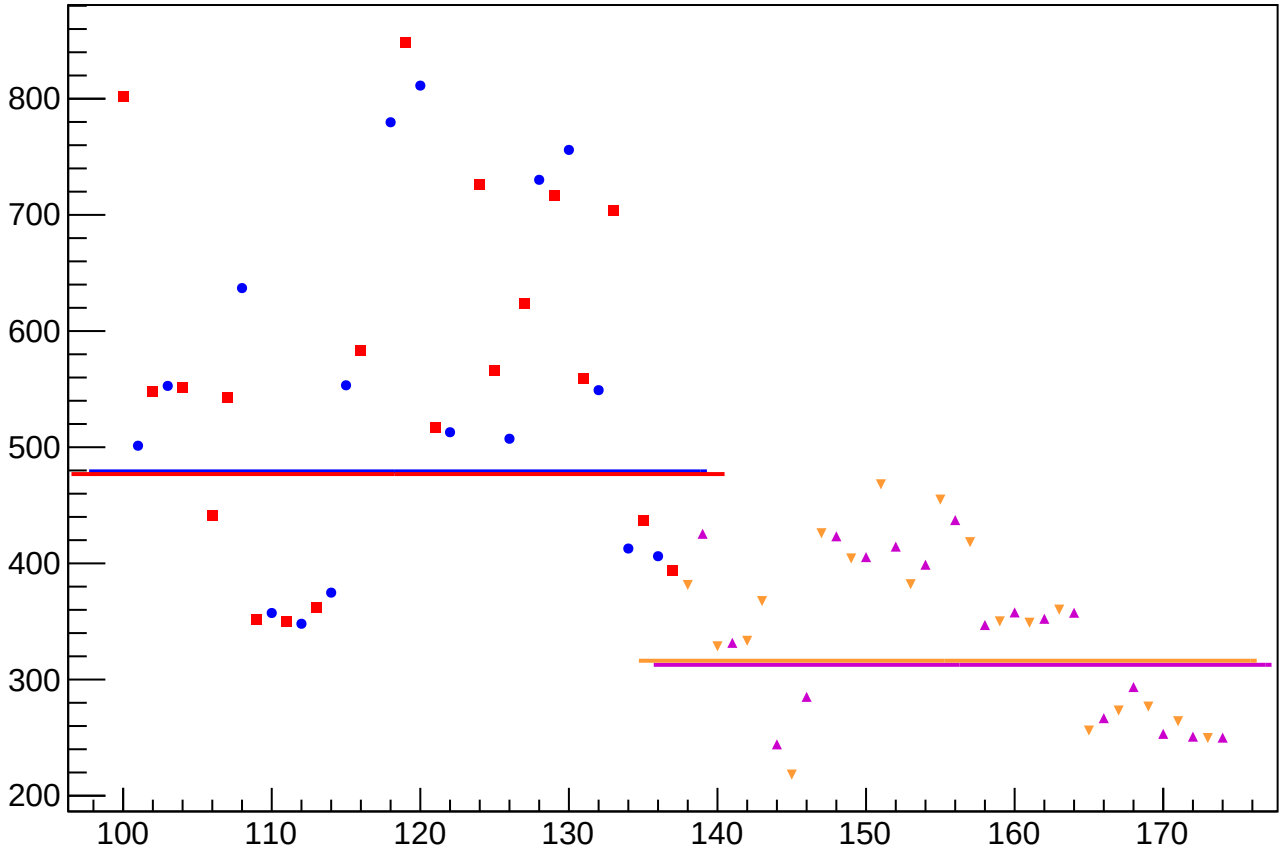
+ sign 41.127+/-0.006 χ^2/NDF: 888268.4/34

All: 41.128+/-0.004 χ^2/NDF: 1864357.7/71

- 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: 281.720+/-83.947 χ²/NDF:42.4/18
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: 36.107+/-83.133 χ²/NDF:27.9/17
+ sign 278.350+/-76.460 χ²/NDF: 67.4/34
All: 183.663+/-53.763 χ²/NDF: 116.0/71
- sign 91.067+/-75.611 χ²/NDF: 45.6/36

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 316.196+/-0.059 χ^2/NDF:1430767.8/18

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

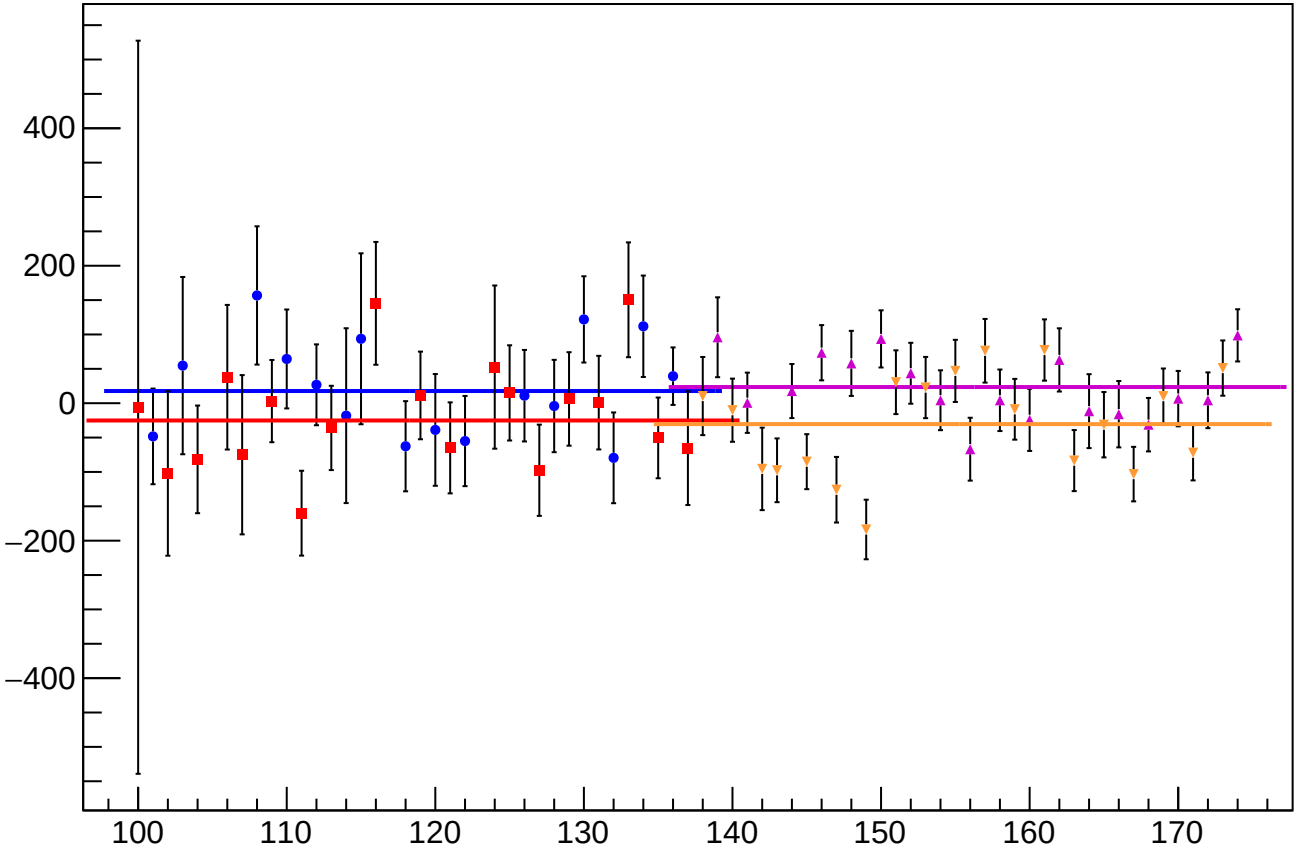
Left In: 312.688+/-0.059 χ^2/NDF:1218212.8/17

+ sign 343.973+/-0.054 χ^2/NDF: 3668290.8/34

All: 342.499+/-0.038 χ^2/NDF: 7239921.6/71

- 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: -30.455+/-10.260 χ^2/NDF:50.8/18

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

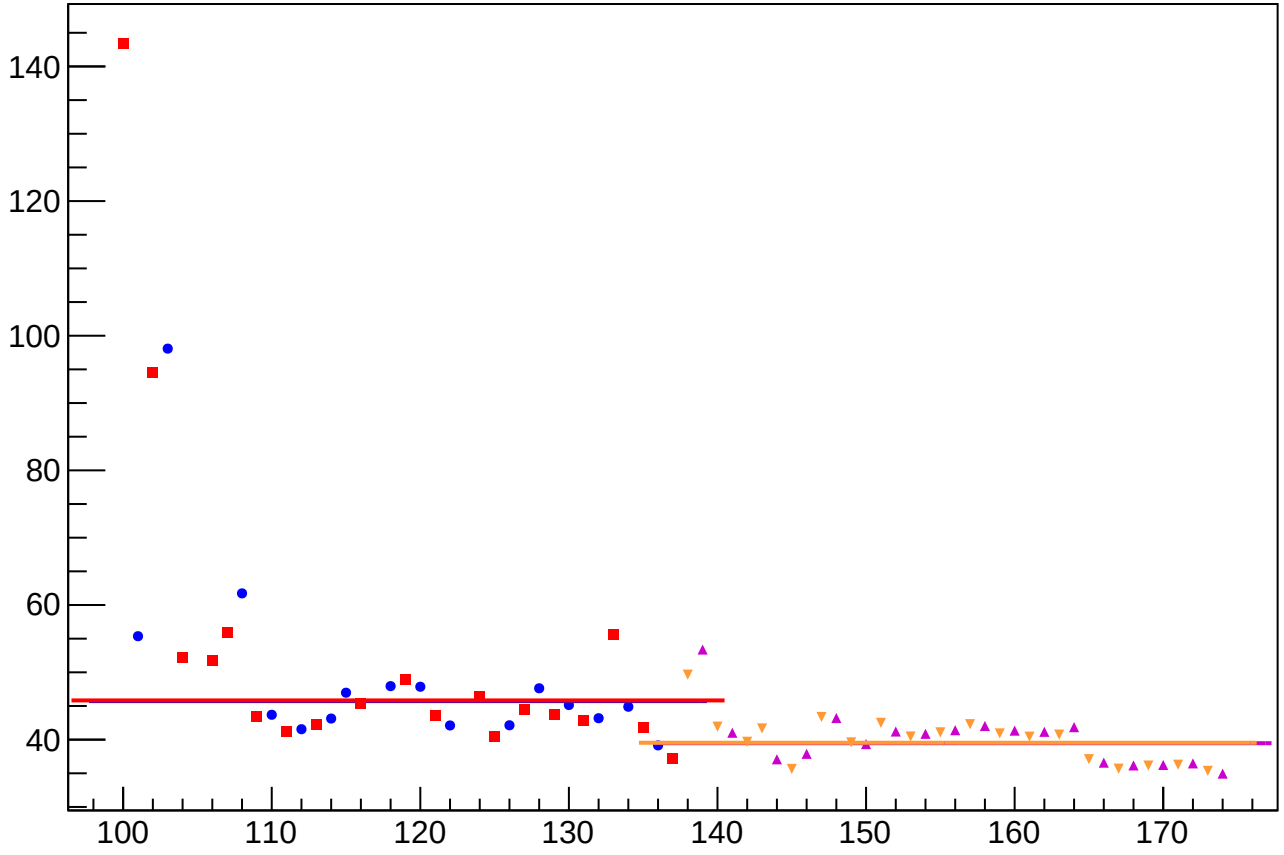
Left In: 23.516+/-10.296 χ^2/NDF:20.5/17

+ sign -18.104+/-8.847 χ^2/NDF: 70.4/34

All: -3.645+/-6.258 χ^2/NDF: 120.1/71

- 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: 39.541+/-0.007 χ^2/NDF:200367.6/18

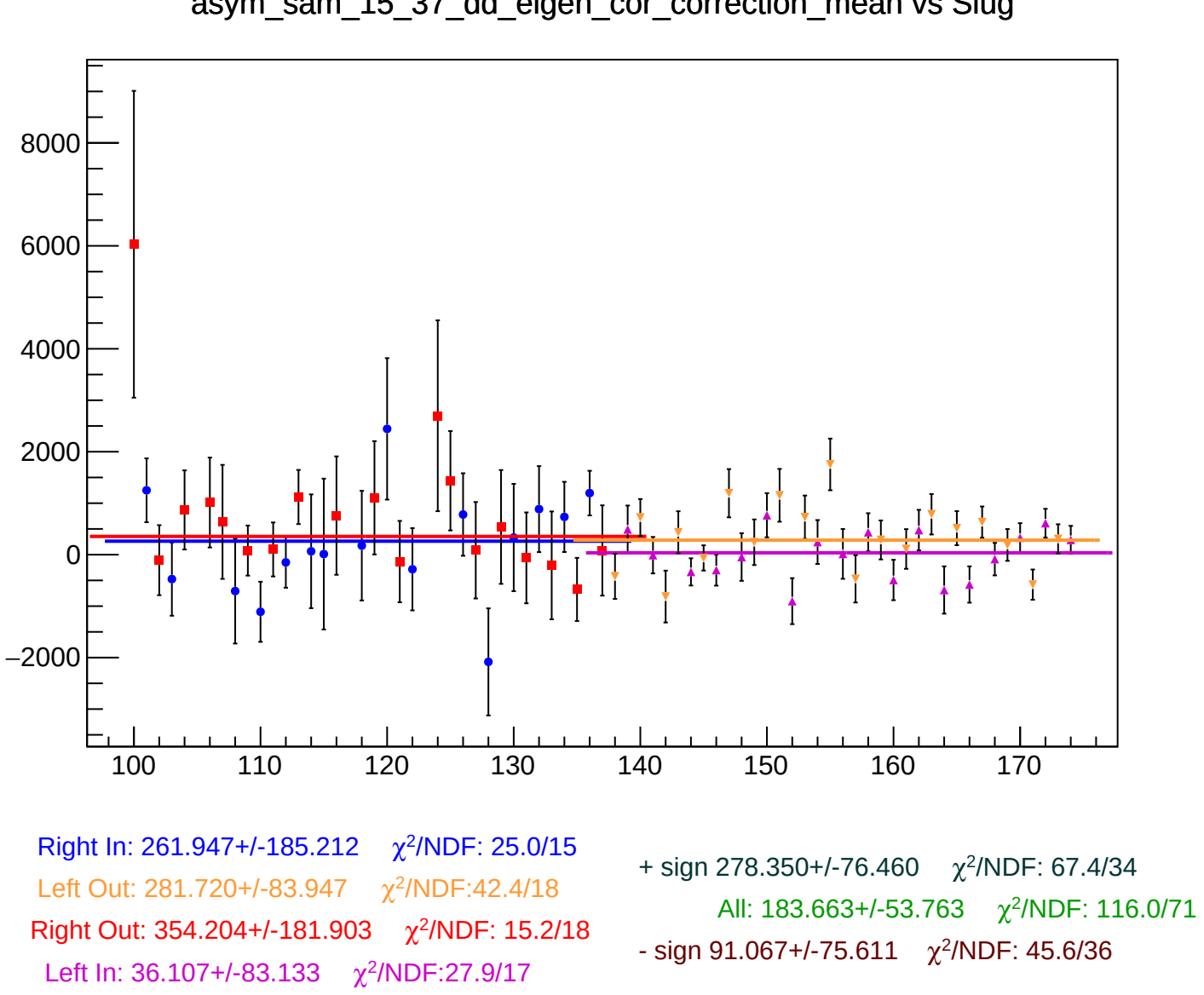
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.472+/-0.007 χ^2/NDF:239078.6/17

+ sign 41.127+/-0.006 χ^2/NDF: 888268.4/34

All: 41.128+/-0.004 χ^2/NDF: 1864357.7/71

- sign 41.128+/-0.006 χ^2/NDF: 976089.3/36


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
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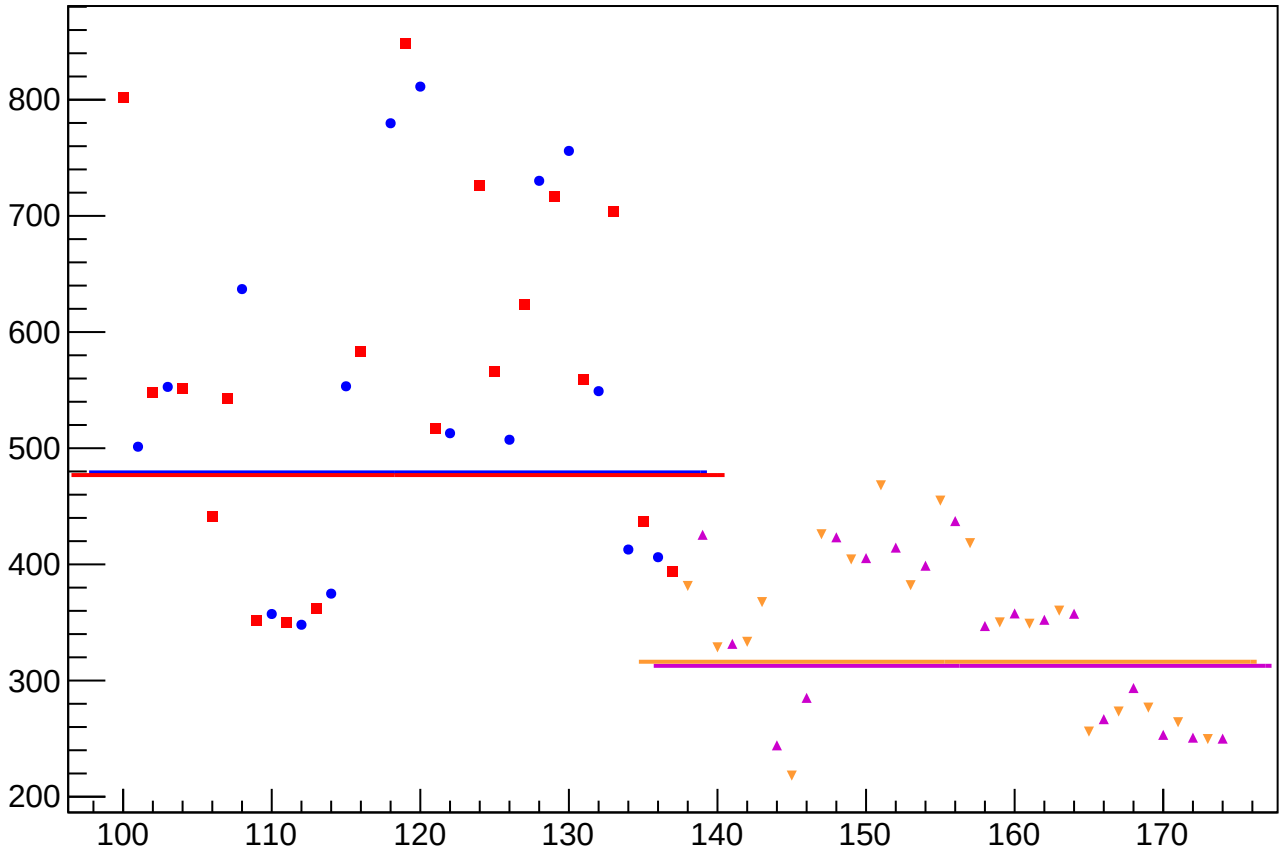
−2000
100
110
120
130
140
150
160
170
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 281.720+/-83.947 χ²/NDF:42.4/18
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: 36.107+/-83.133 χ²/NDF:27.9/17
+ sign 278.350+/-76.460 χ²/NDF: 67.4/34
All: 183.663+/-53.763 χ²/NDF: 116.0/71
- sign 91.067+/-75.611 χ²/NDF: 45.6/36



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 316.196+/-0.059 χ^2/NDF:1430767.8/18

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

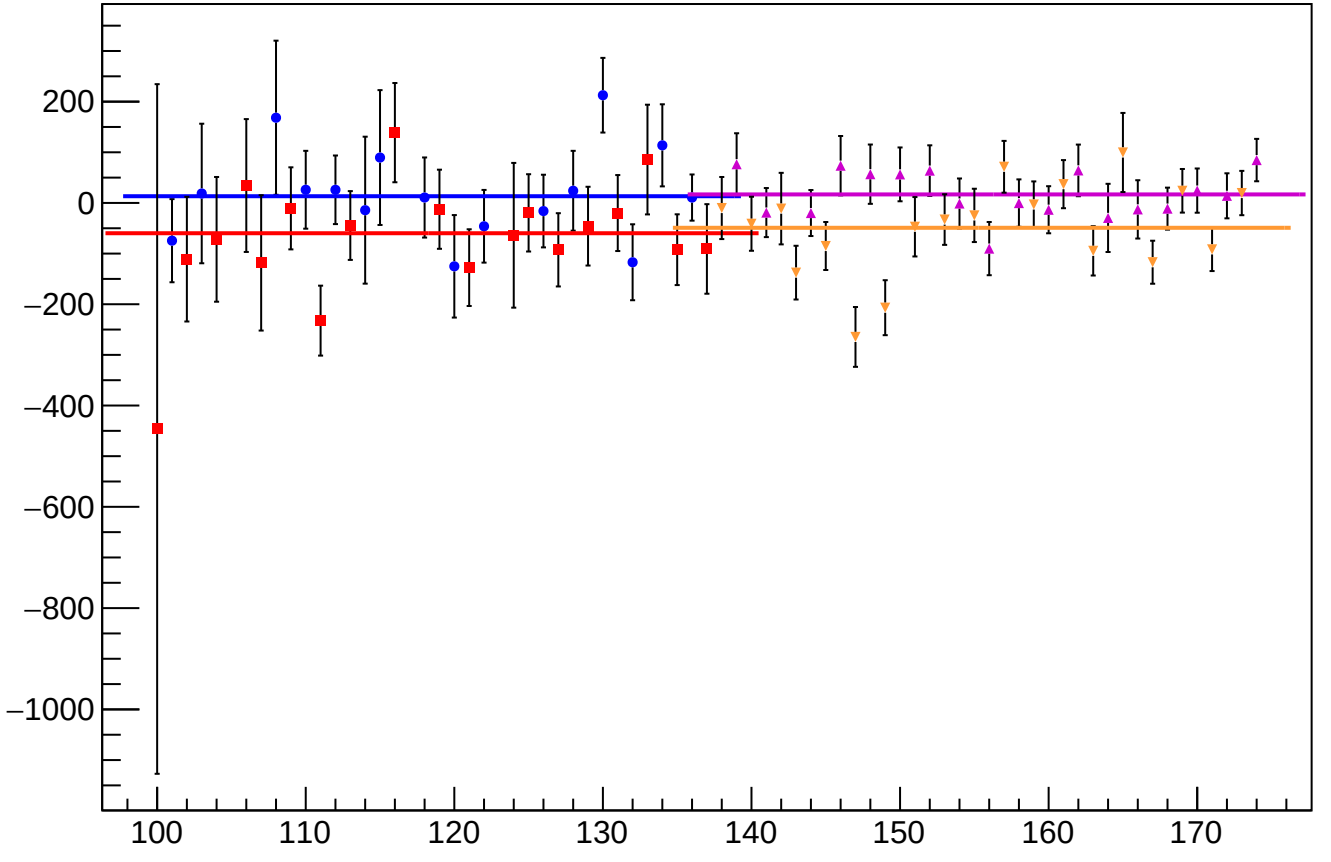
Left In: 312.688+/-0.059 χ^2/NDF:1218212.8/17

+ sign 343.973+/-0.054 χ^2/NDF: 3668290.8/34

All: 342.499+/-0.038 χ^2/NDF: 7239921.6/71

- 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: -49.079+/-11.664 χ^2/NDF:49.4/18

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

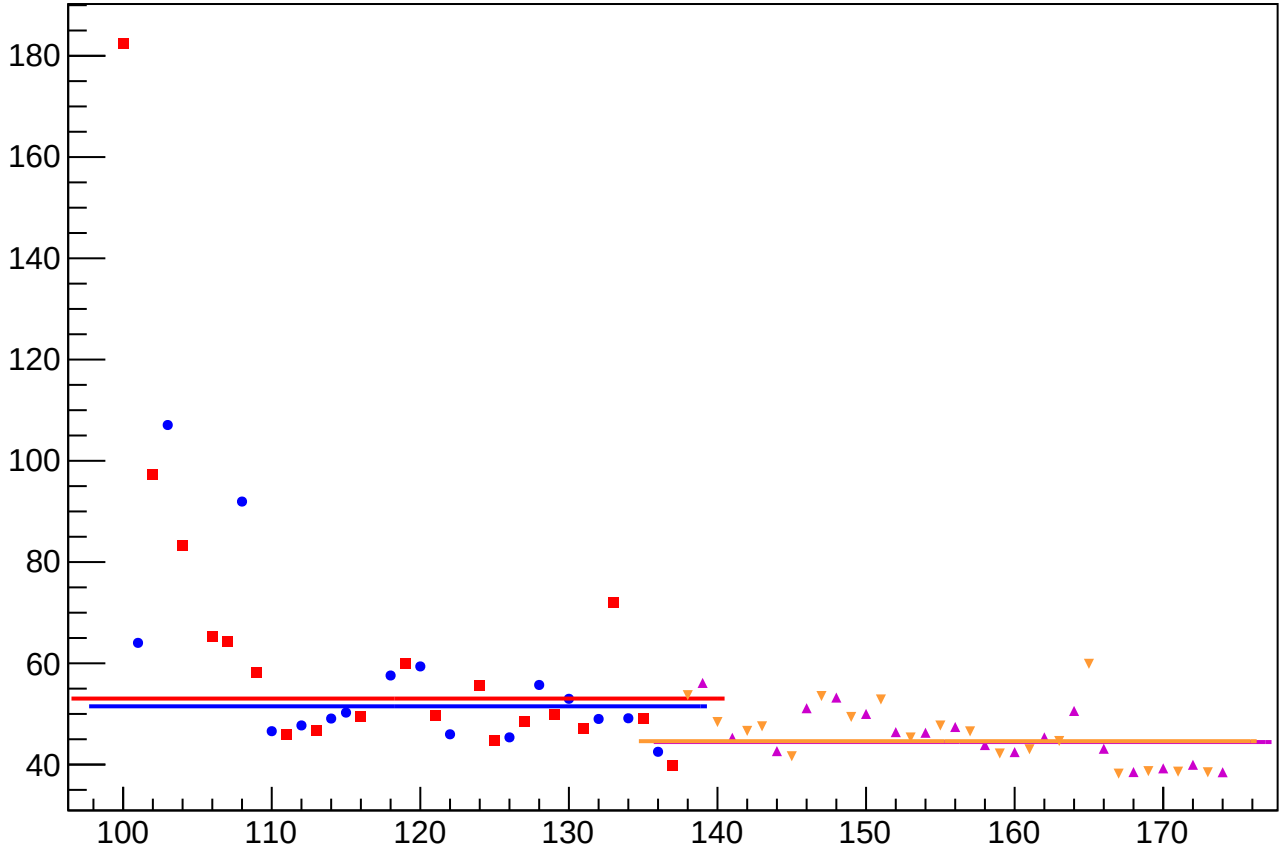
Left In: 16.817+/-11.706 χ^2/NDF:14.6/17

+ sign -33.077+/-10.056 χ^2/NDF: 74.0/34

All: -17.853+/-7.137 χ^2/NDF: 120.0/71

- 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: 44.618+/-0.008 χ^2/NDF:427371.5/18

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

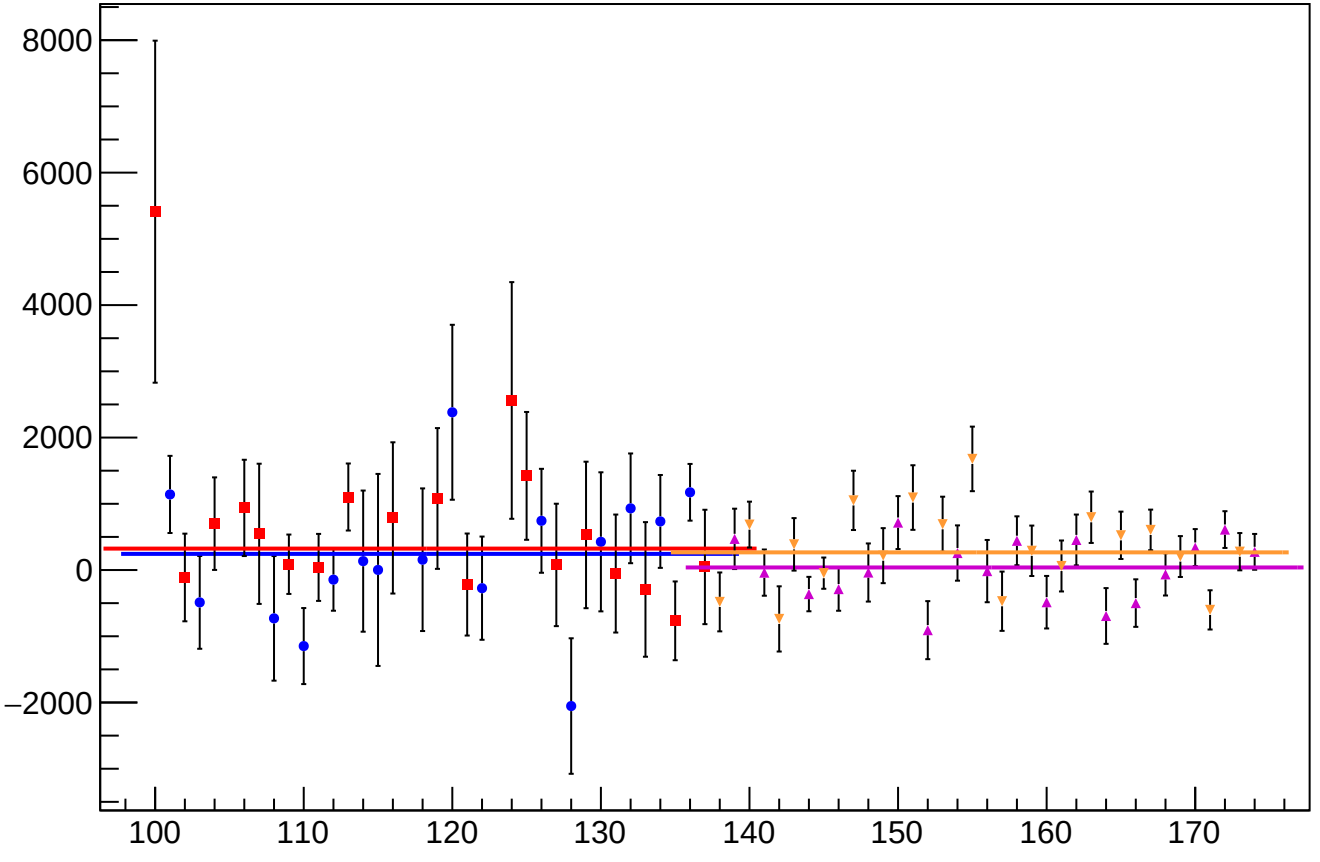
Left In: 44.447+/-0.008 χ^2/NDF:334434.5/17

+ sign 46.386+/-0.007 χ^2/NDF: 1273446.6/34

All: 46.493+/-0.005 χ^2/NDF: 2591320.3/71

- 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: 266.683+/-83.013 χ^2/NDF:41.0/18

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

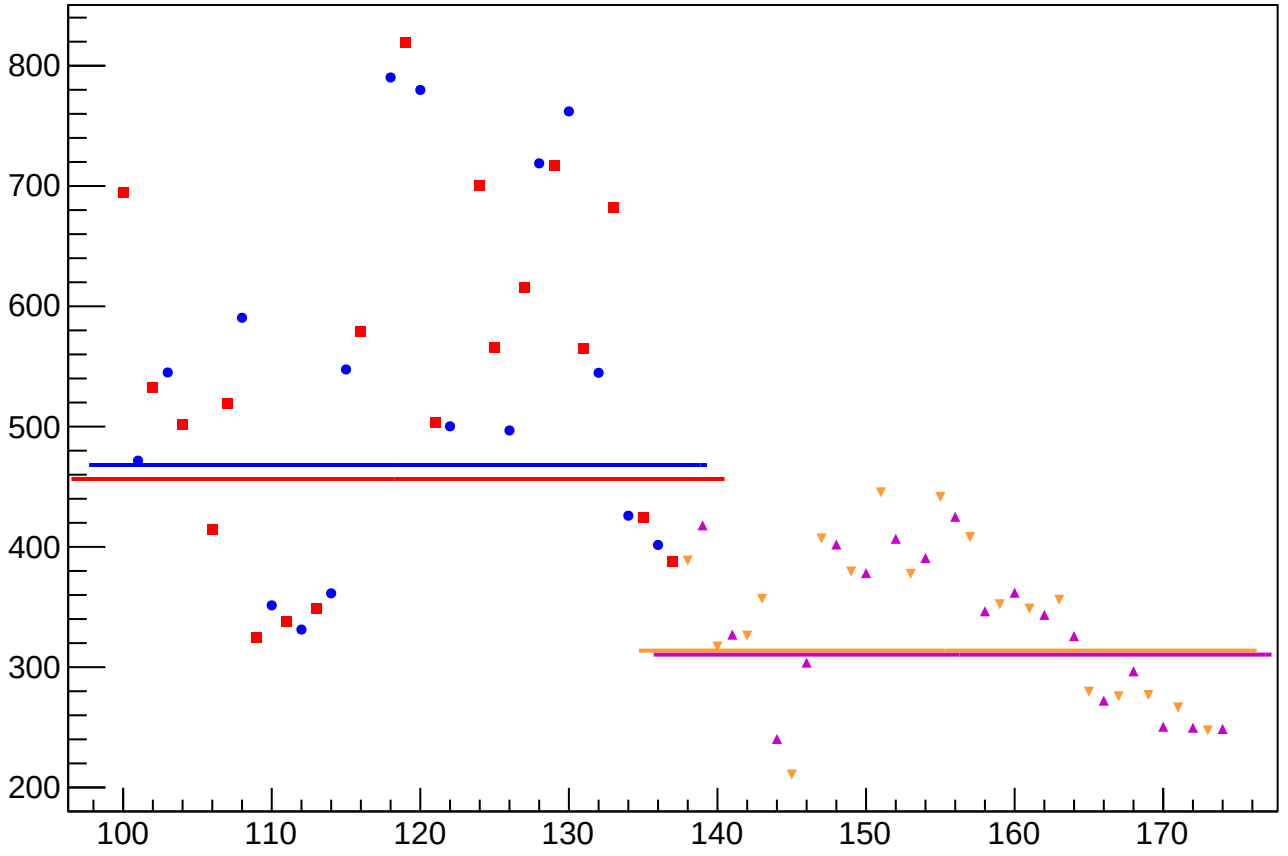
Left In: 38.861+/-82.376 χ^2/NDF:27.9/17

+ sign 262.706+/-75.447 χ^2/NDF: 66.6/34

All: 175.775+/-52.984 χ^2/NDF: 115.7/71

- 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: 313.771+/-0.059 χ^2/NDF:1319609.8/18

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

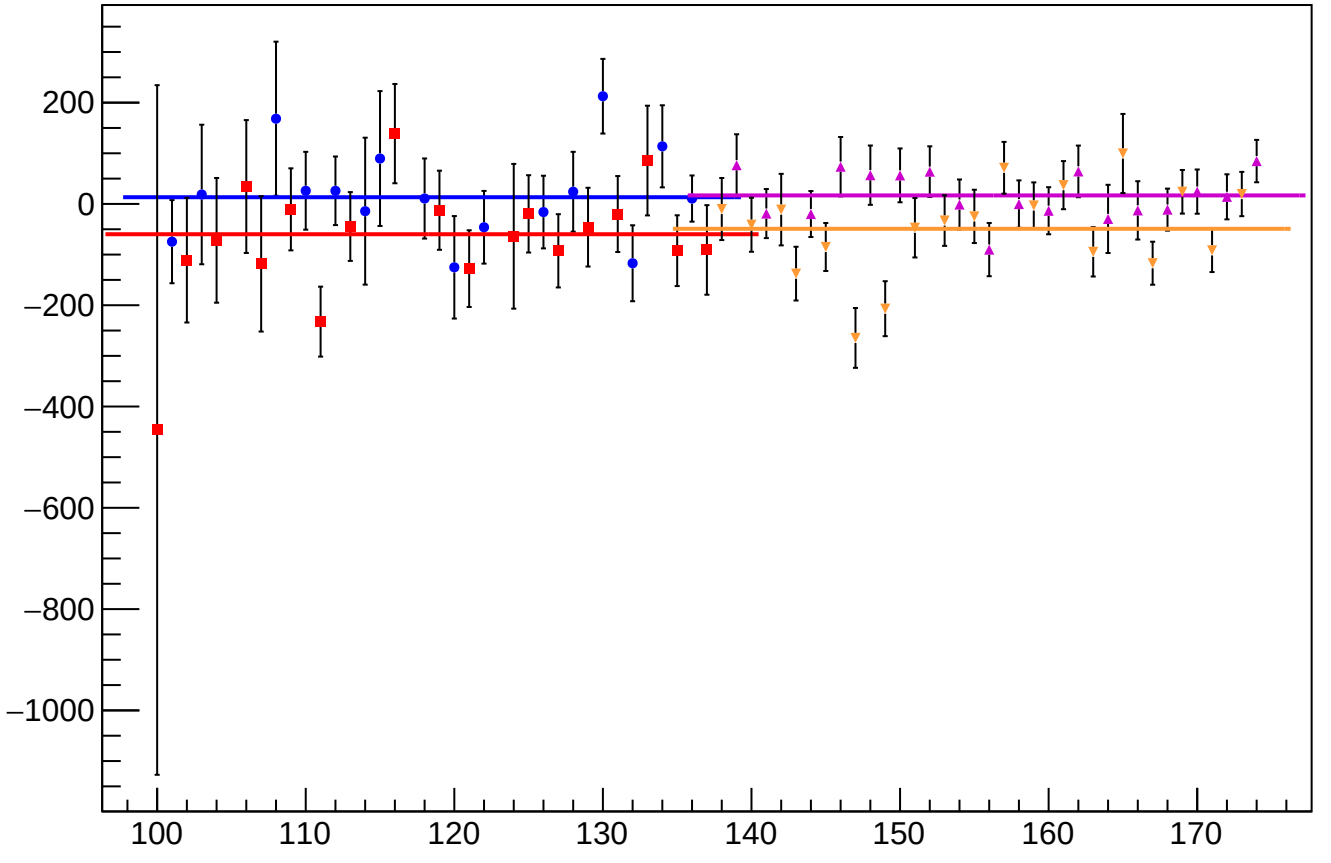
Left In: 310.437+/-0.058 χ^2/NDF:1085947.1/17

+ sign 340.618+/-0.053 χ^2/NDF: 3504709.4/34

All: 338.920+/-0.037 χ^2/NDF: 6829992.8/71

- sign 337.267+/-0.053 χ^2/NDF: 3323284.7/36

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -49.079+/-11.664 χ^2/NDF:49.4/18

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

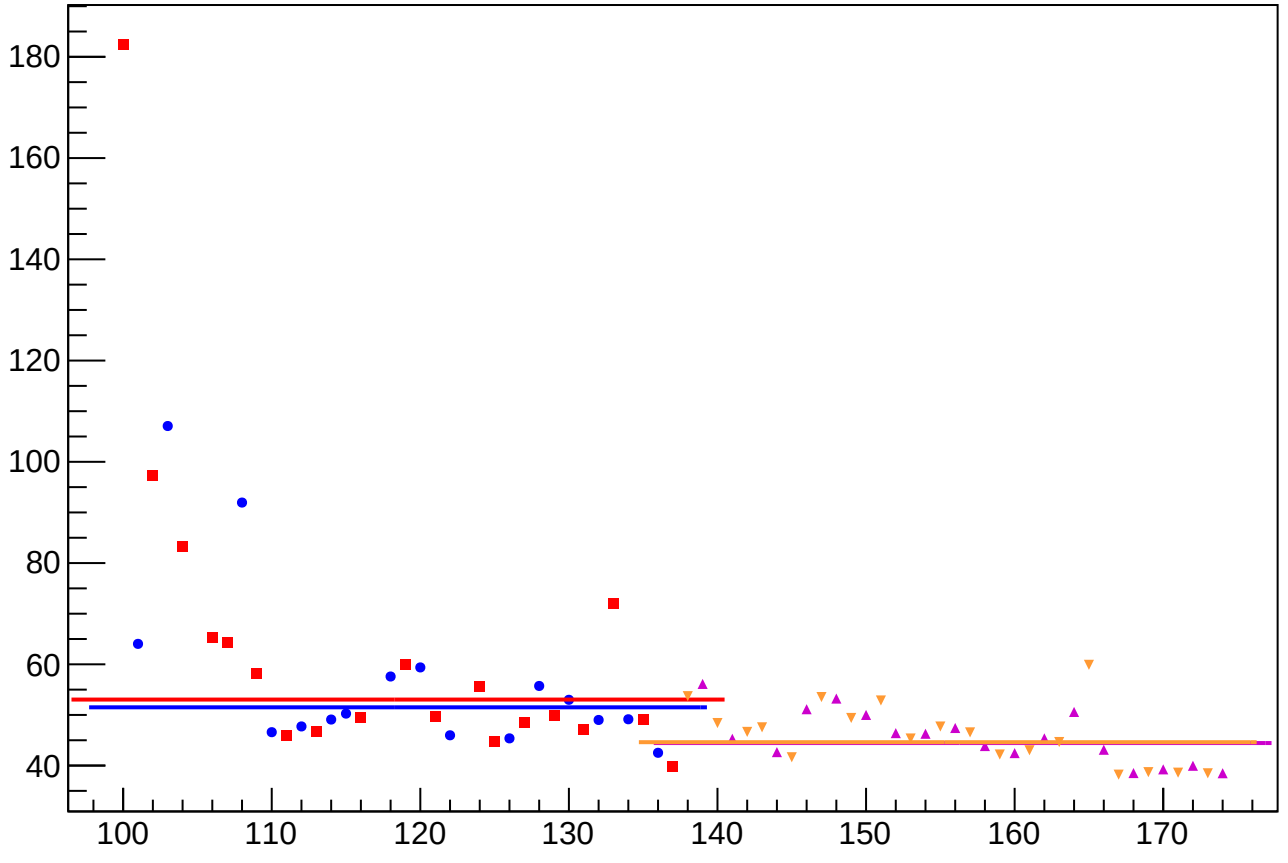
Left In: 16.817+/-11.706 χ^2/NDF:14.6/17

+ sign -33.077+/-10.056 χ^2/NDF: 74.0/34

All: -17.853+/-7.137 χ^2/NDF: 120.0/71

- 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: 44.618+/-0.008 χ^2/NDF:427374.8/18

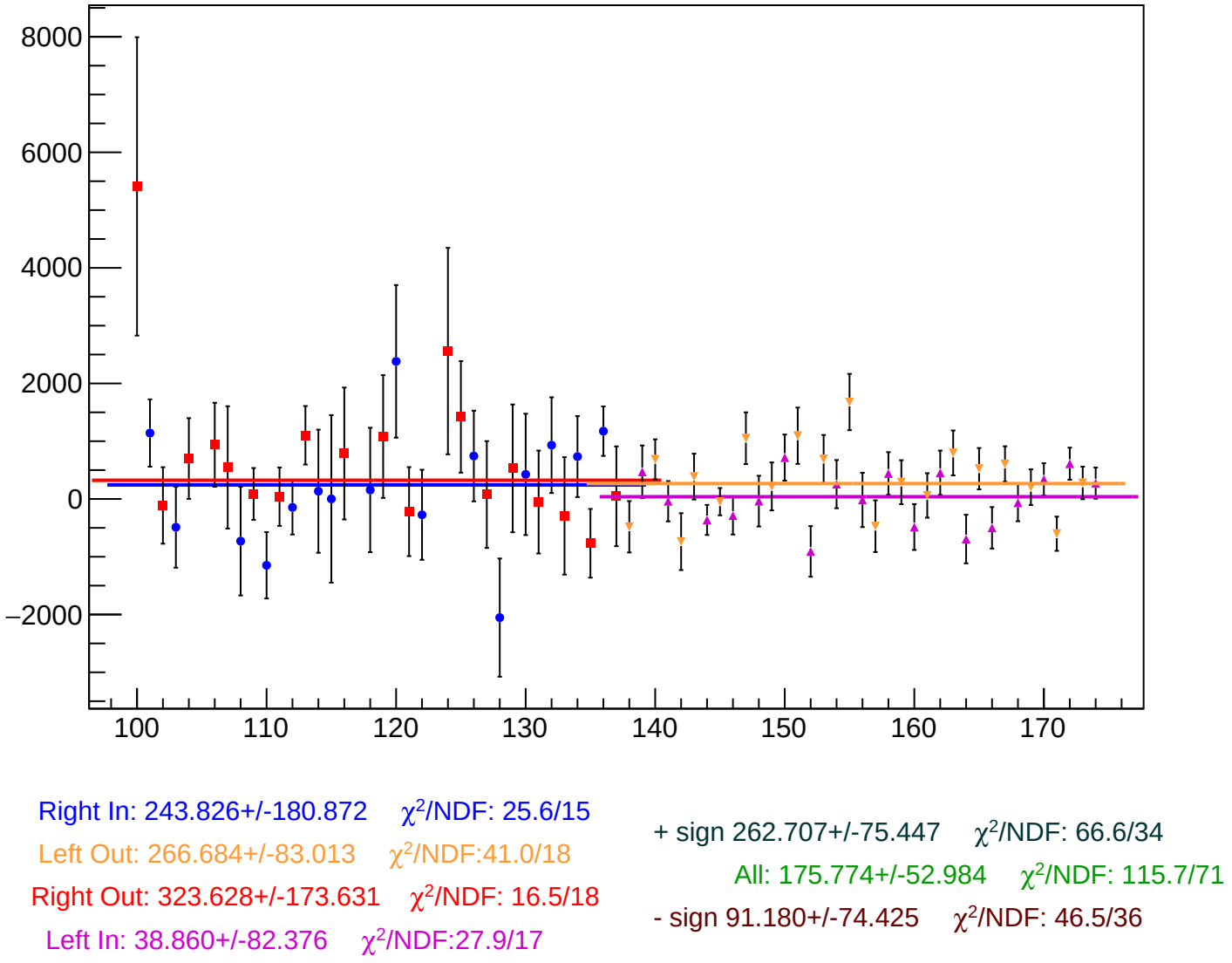
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

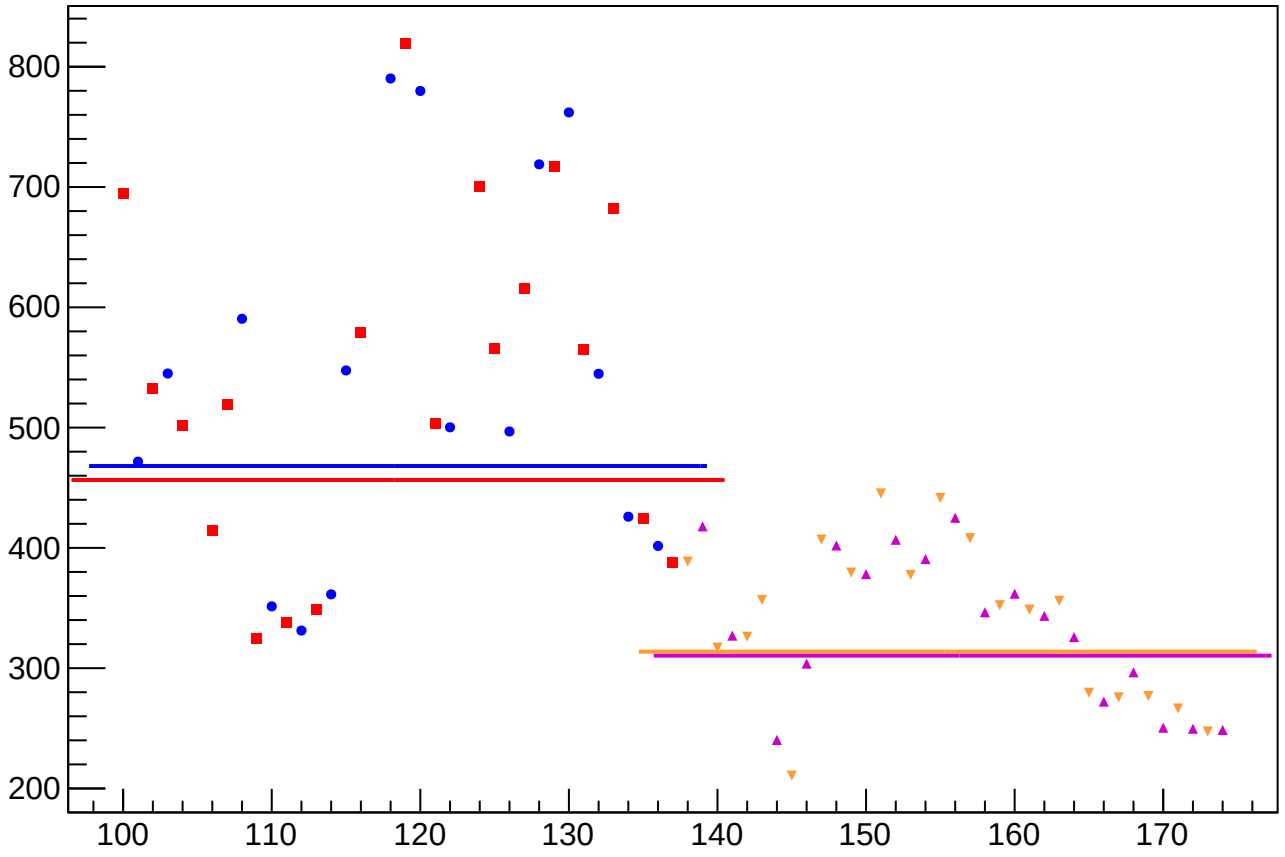
Left In: 44.447+/-0.008 χ^2/NDF:334433.8/17

+ sign 46.386+/-0.007 χ^2/NDF: 1273454.3/34

All: 46.493+/-0.005 χ^2/NDF: 2591337.1/71

- sign 46.601+/-0.007 χ^2/NDF: 1317425.9/36


asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 243.826+/-180.872 χ²/NDF: 25.6/15
Left Out: 266.684+/-83.013 χ²/NDF:41.0/18
Right Out: 323.628+/-173.631 χ²/NDF: 16.5/18
Left In: 38.860+/-82.376 χ²/NDF:27.9/17
+ sign 262.707+/-75.447 χ²/NDF: 66.6/34
All: 175.774+/-52.984 χ²/NDF: 115.7/71
- sign 91.180+/-74.425 χ²/NDF: 46.5/36



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 313.771+/-0.059 χ^2/NDF:1319606.2/18

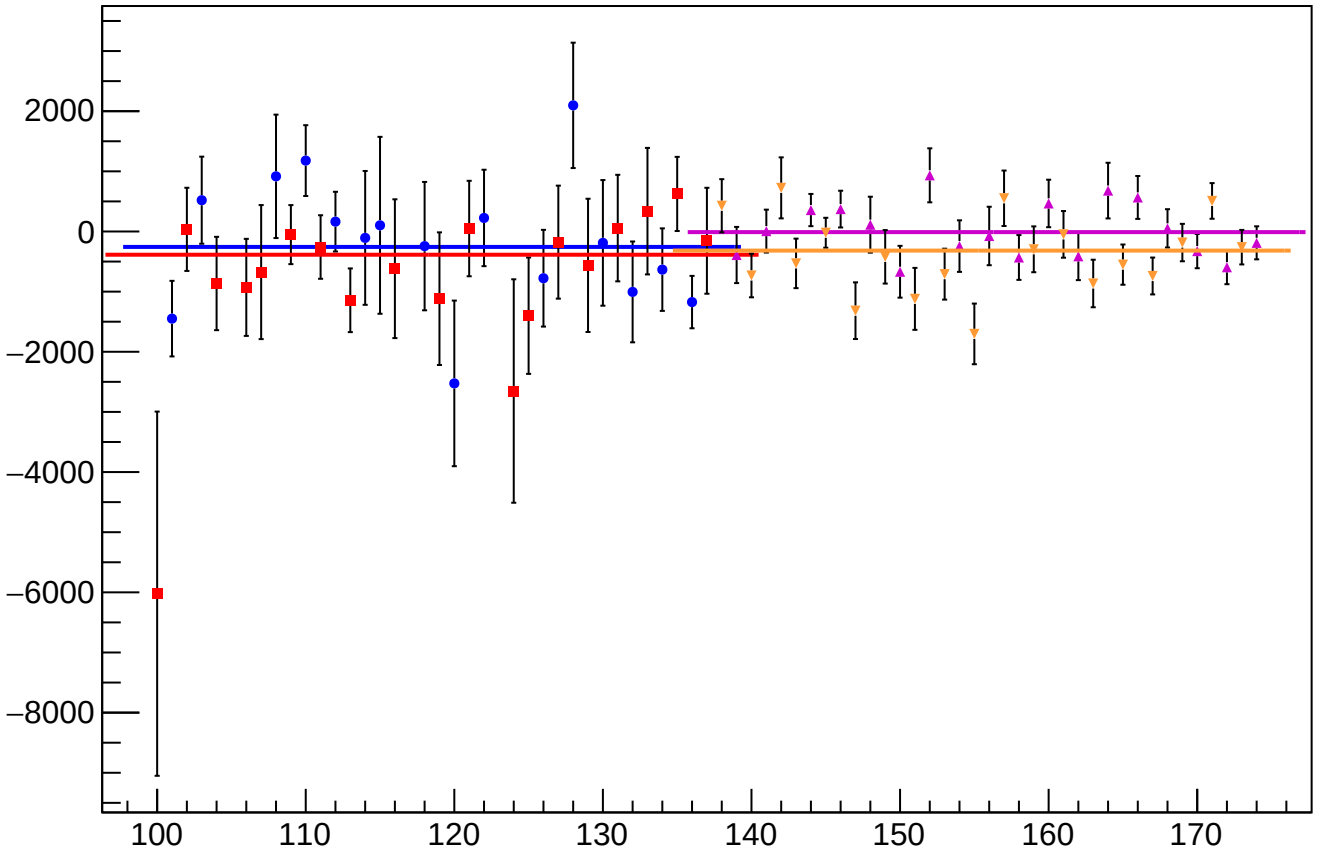
Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 310.438+/-0.058 χ^2/NDF:1085939.3/17

+ sign 340.618+/-0.053 χ^2/NDF: 3504693.0/34

All: 338.920+/-0.037 χ^2/NDF: 6829949.3/71

- 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: -317.776+/-84.646 χ^2/NDF:41.8/18

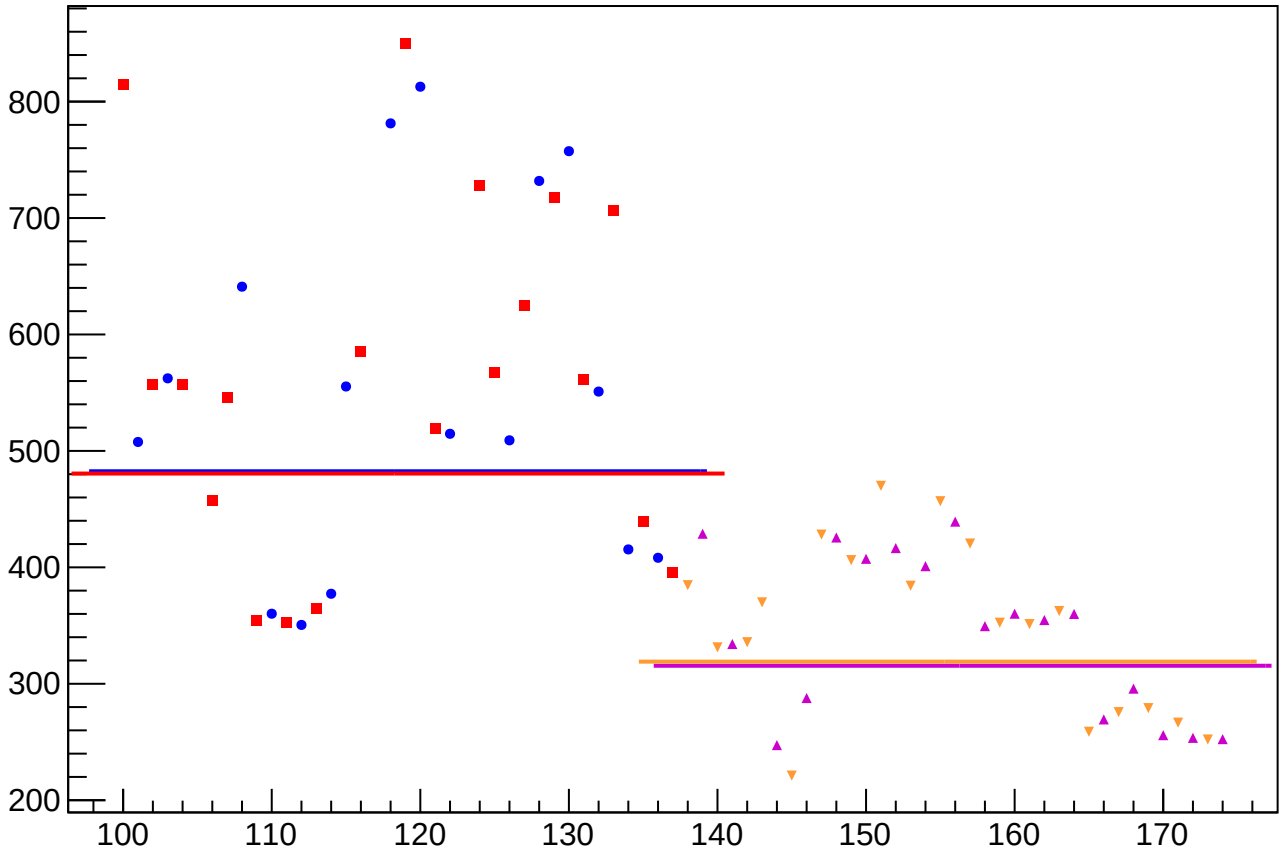
Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -10.548+/-83.835 χ^2/NDF:25.8/17

\+ sign -307.348+/-77.076 χ^2/NDF: 68.8/34

All: -190.374+/-54.178 χ^2/NDF: 116.9/71

\- sign -76.130+/-76.171 χ^2/NDF: 43.6/36



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 319.014+/-0.060 χ^2/NDF:1400547.7/18

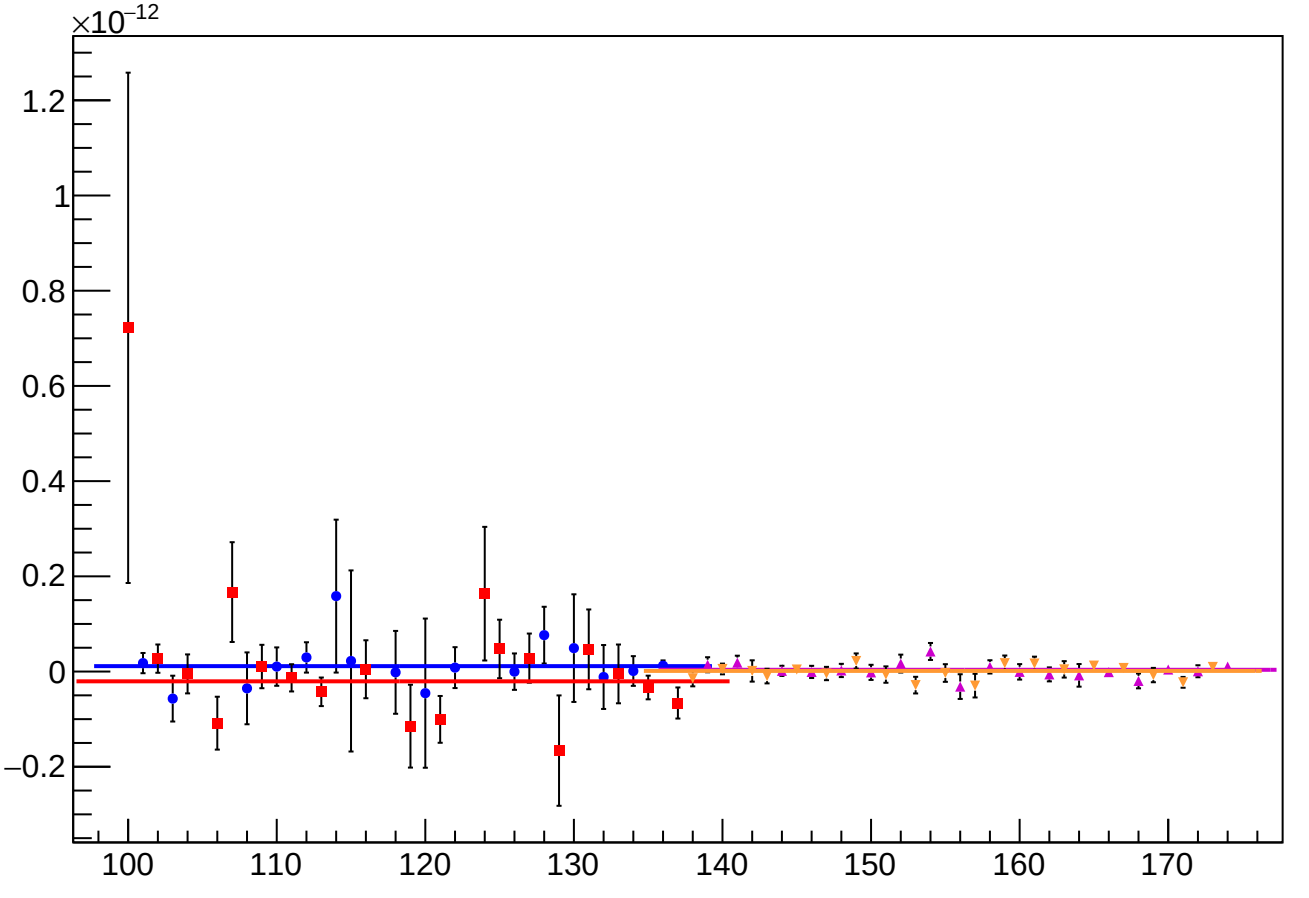
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 315.486+/-0.059 χ^2/NDF:1194019.0/17

+ sign 346.951+/-0.055 χ^2/NDF: 3622044.5/34

All: 345.603+/-0.038 χ^2/NDF: 7163898.7/71

- 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:17.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

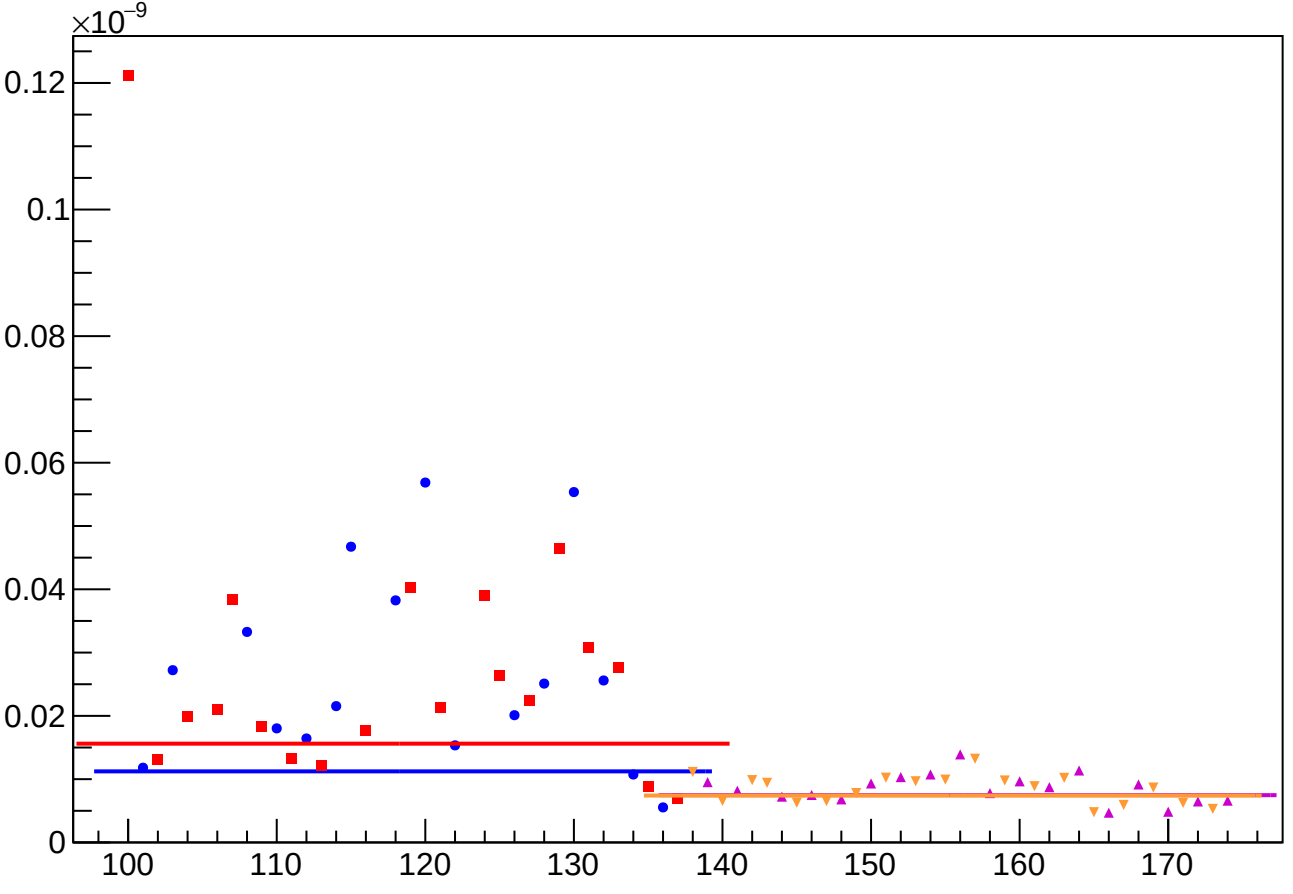
Left In: 0.000+/-0.000 χ^2/NDF:12.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 24.1/34

All: 0.000+/-0.000 χ^2/NDF: 65.7/71

- 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:847307.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

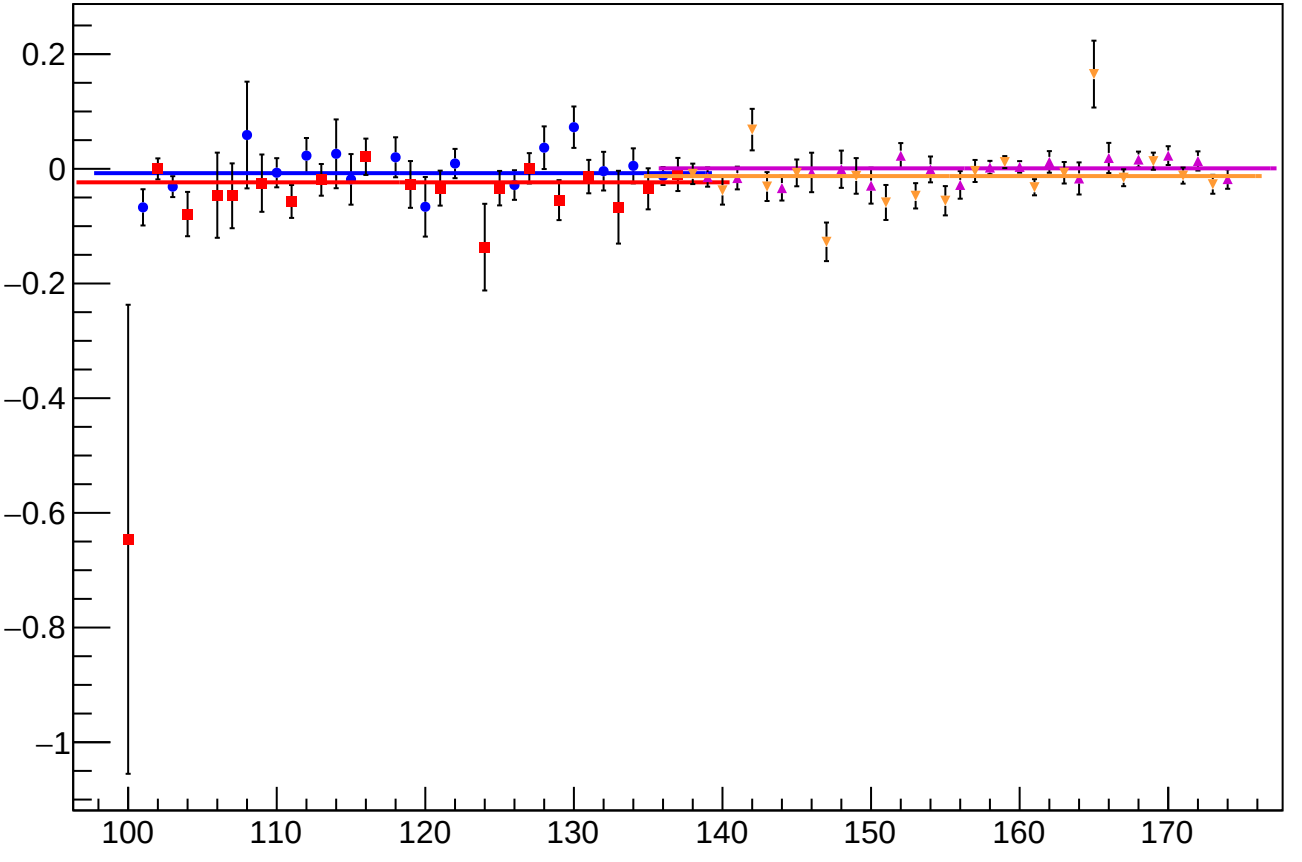
Left In: 0.000+/-0.000 χ^2/NDF:768616.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 3345724.4/34

All: 0.000+/-0.000 χ^2/NDF: 6452583.1/71

- 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: -0.013+/-0.004 χ^2/NDF:46.6/18

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

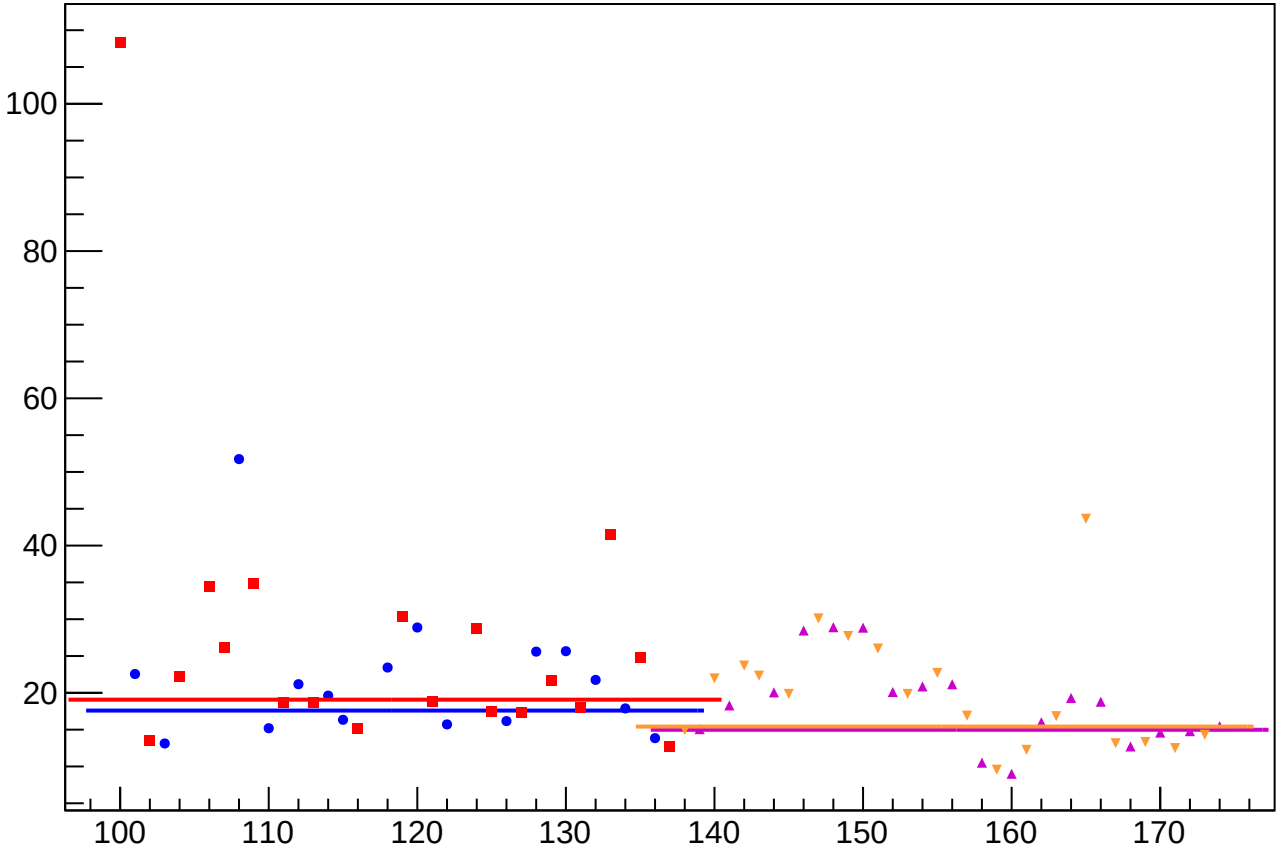
Left In: 0.001+/-0.004 χ^2/NDF:13.6/17

+ sign -0.011+/-0.004 χ^2/NDF: 63.6/34

All: -0.008+/-0.003 χ^2/NDF: 101.1/71

- 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: 15.418+/-0.003 χ^2/NDF:3045528.3/18

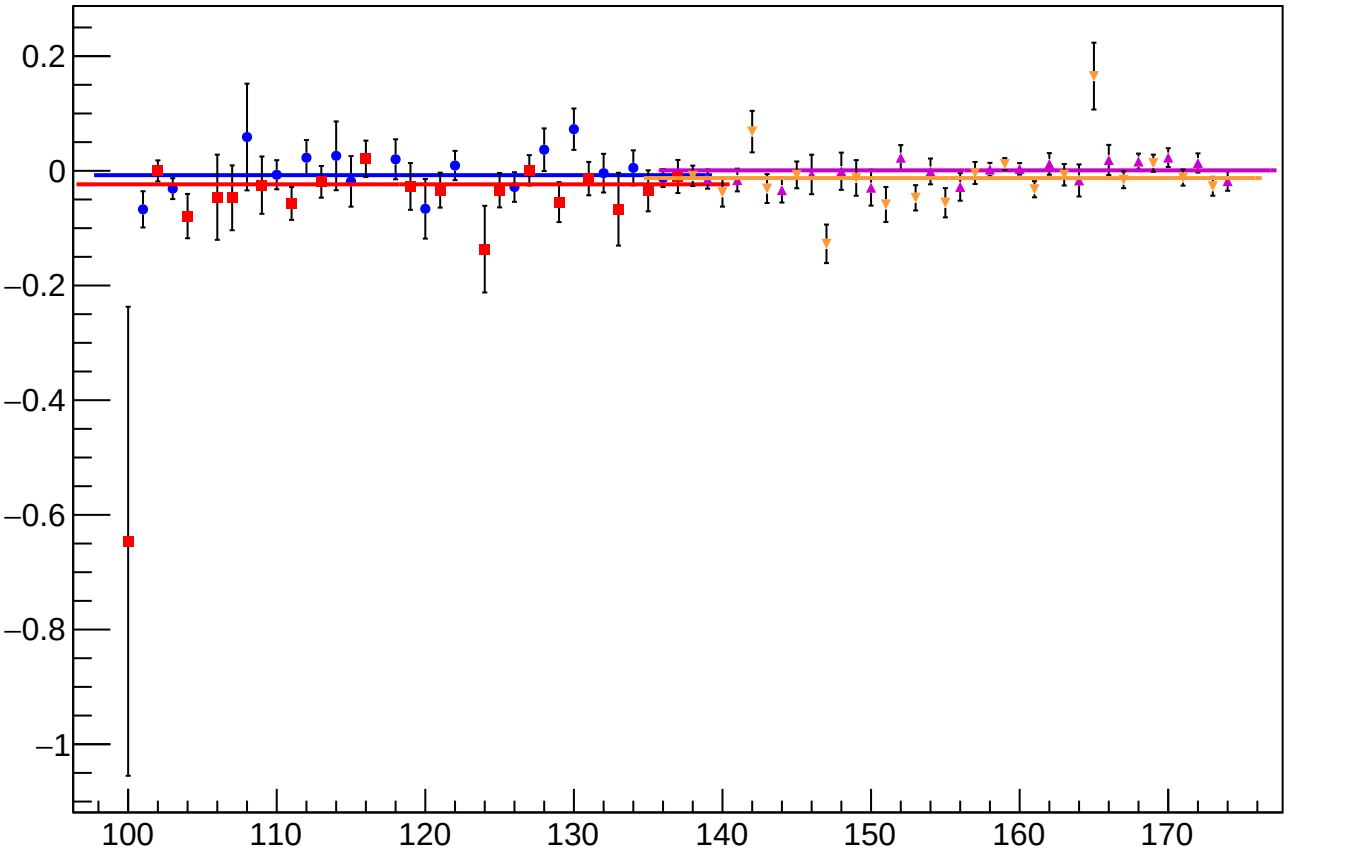
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.982+/-0.003 χ^2/NDF:2768108.8/17

\+ sign 15.995+/-0.003 χ^2/NDF: 4172567.9/34

All: 15.960+/-0.002 χ^2/NDF: 8618411.6/71

\- 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: -0.013+/-0.004 χ^2/NDF:46.6/18

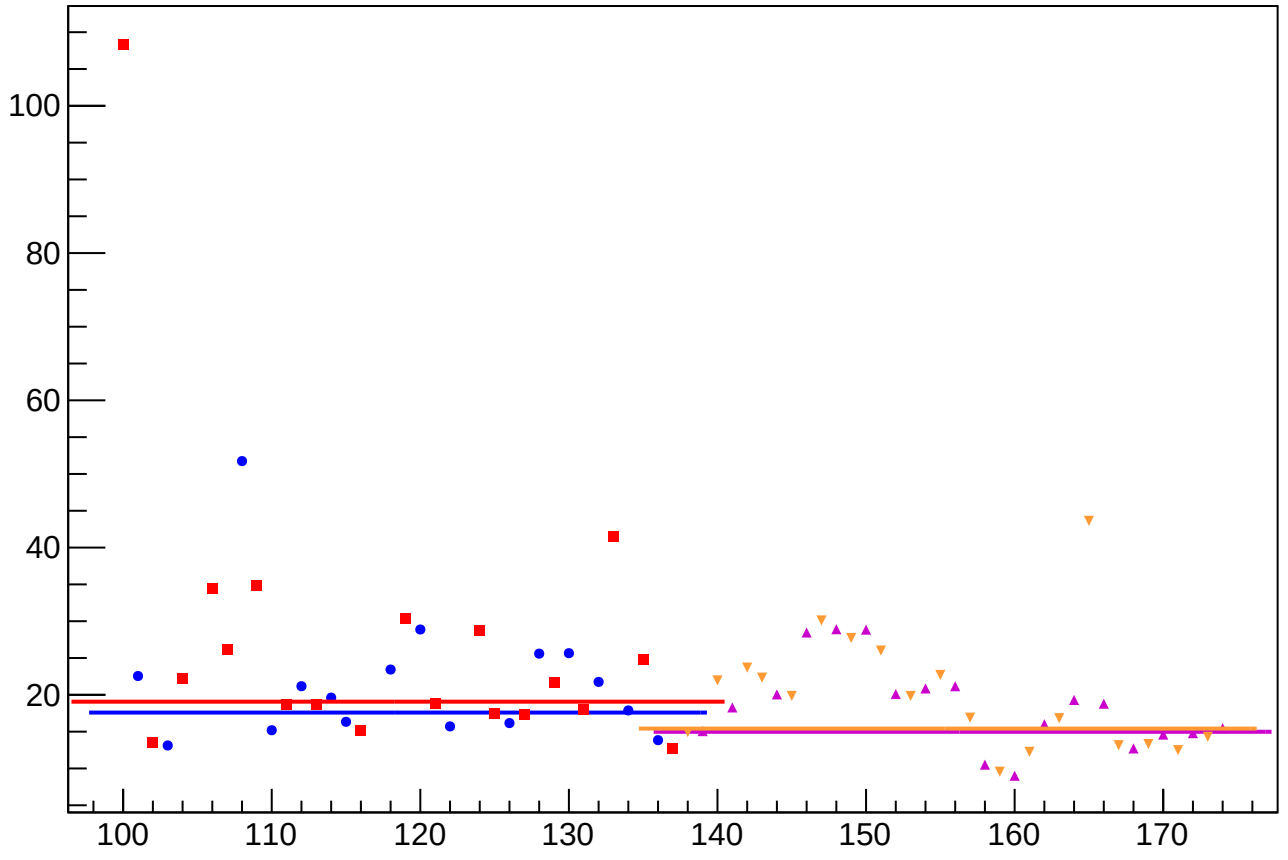
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.004 χ^2/NDF:13.6/17

+ sign -0.011+/-0.004 χ^2/NDF: 63.6/34

All: -0.008+/-0.003 χ^2/NDF: 101.1/71

- 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: 15.418+/-0.003 χ^2/NDF:3045528.3/18

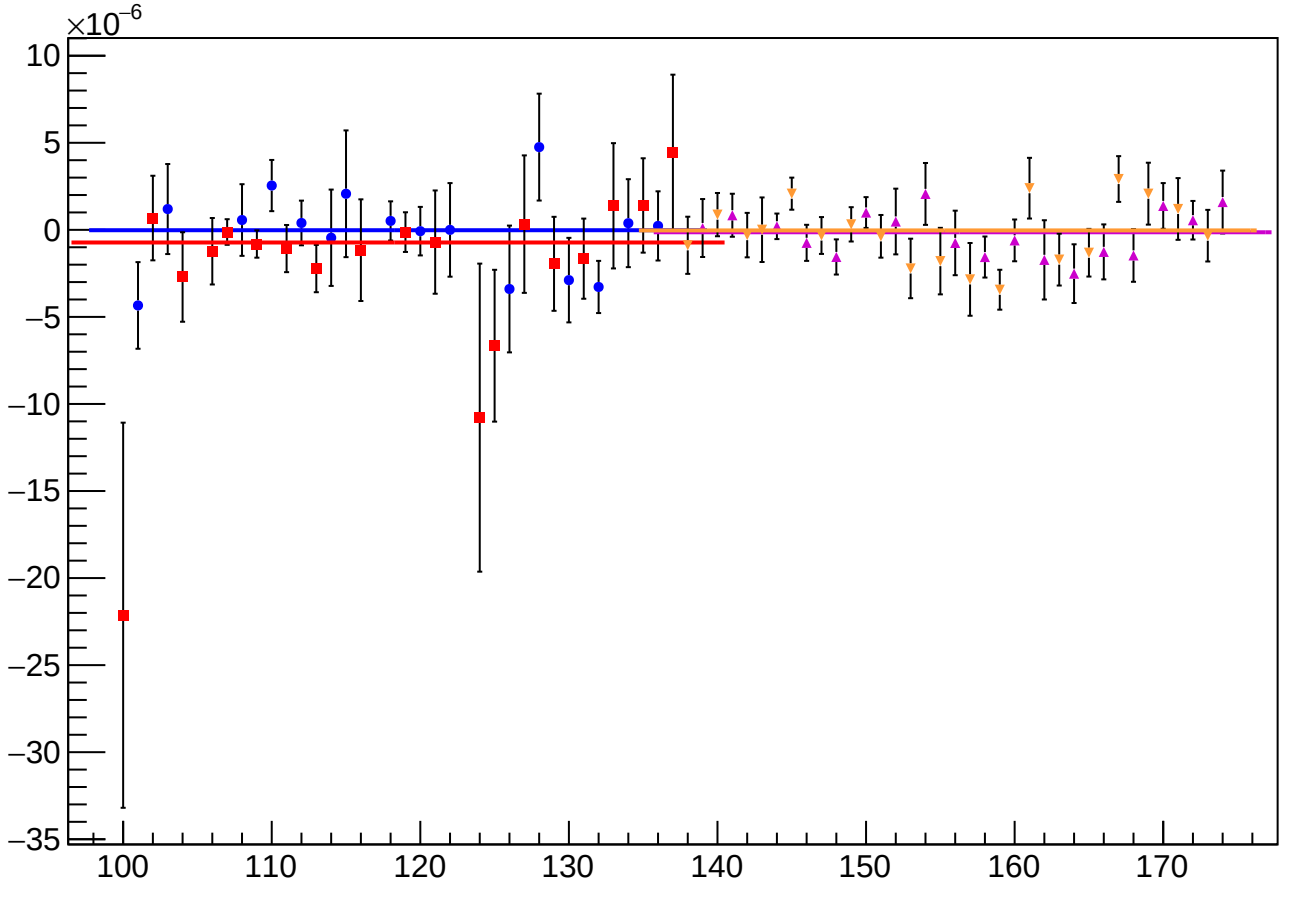
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.982+/-0.003 χ^2/NDF:2768108.8/17

+ sign 15.995+/-0.003 χ^2/NDF: 4172567.9/34

All: 15.960+/-0.002 χ^2/NDF: 8618411.6/71

- 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:30.6/18

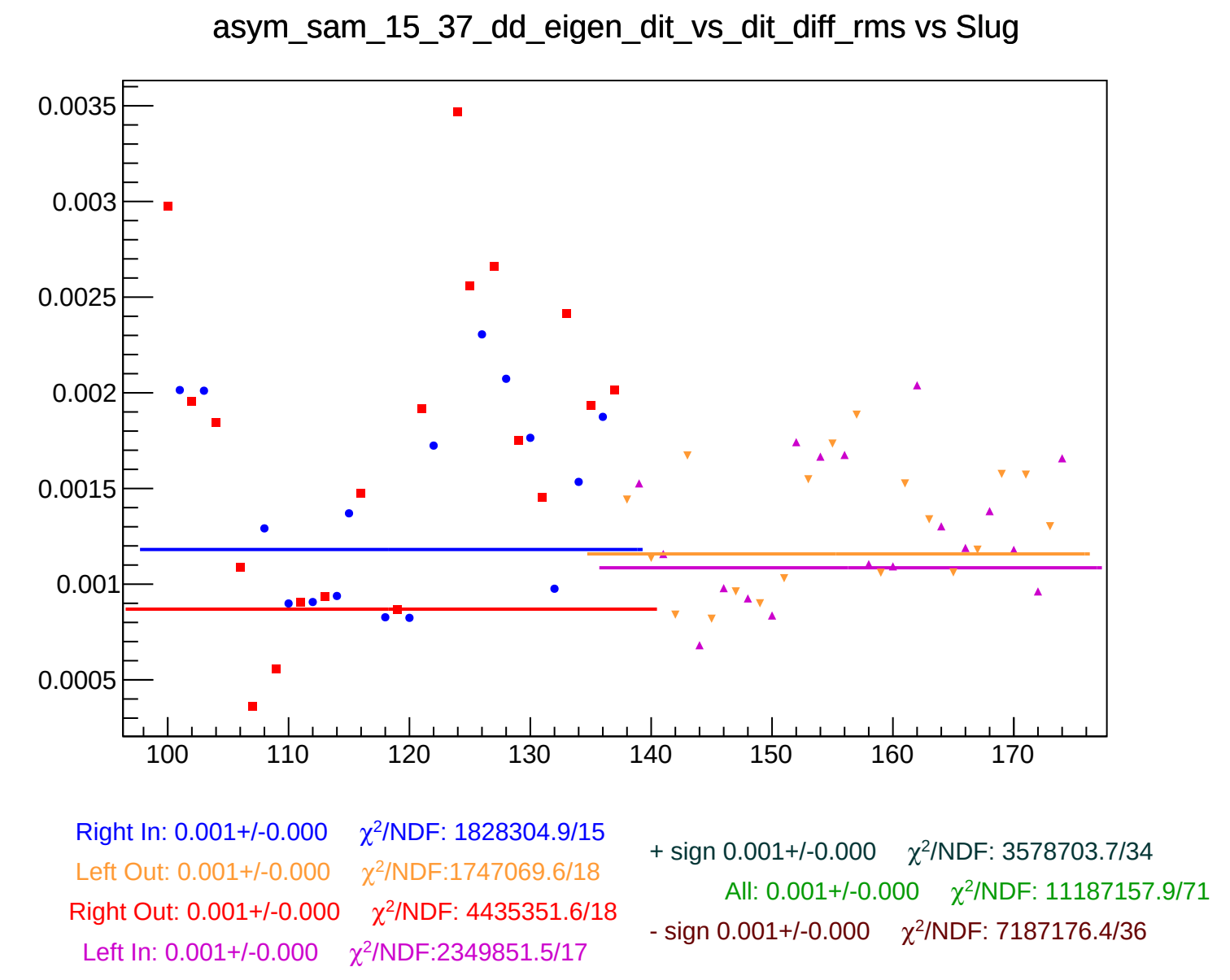
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

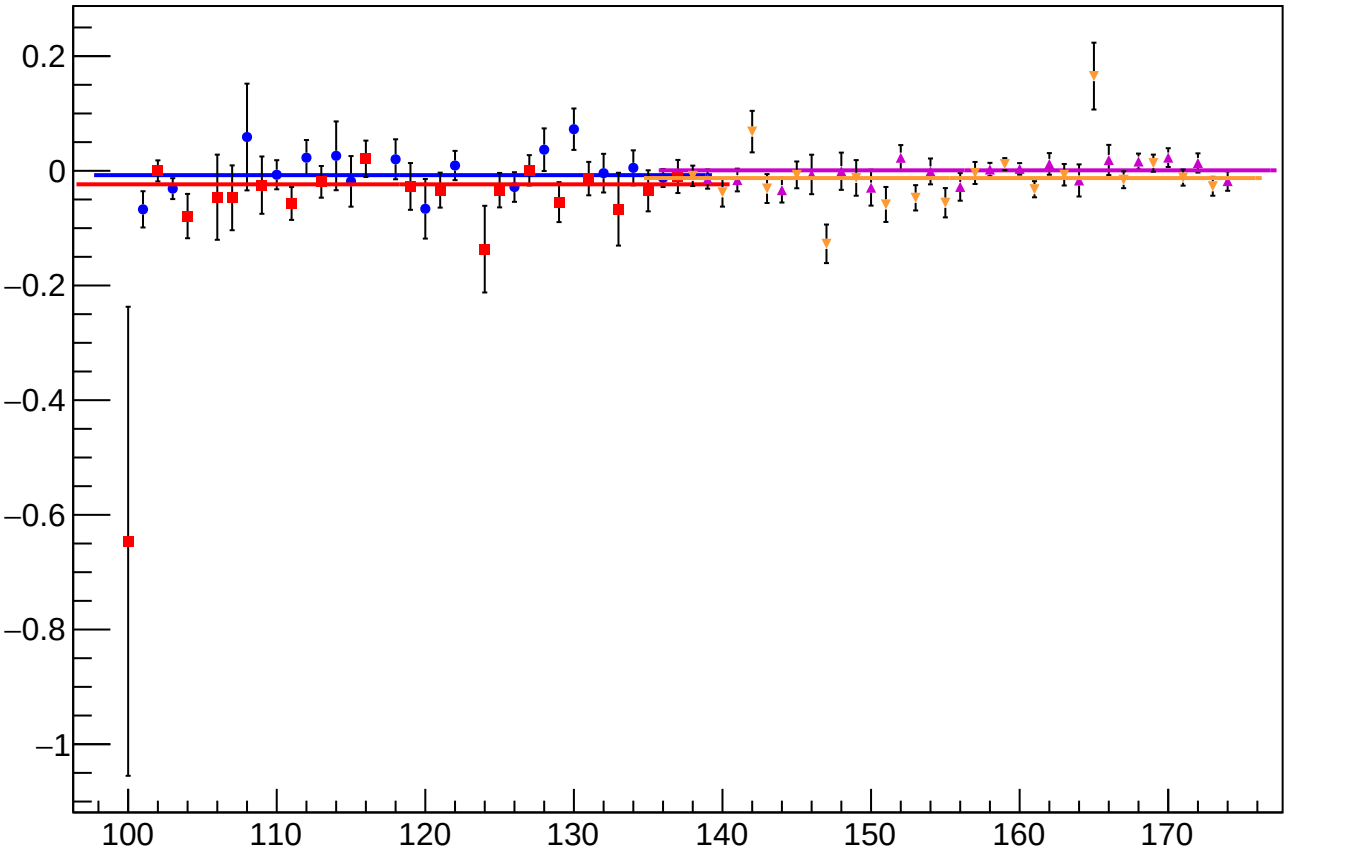
Left In: -0.000+/-0.000 χ^2/NDF:14.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 47.1/34

All: -0.000+/-0.000 χ^2/NDF: 76.9/71

- 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:1747069.6/18
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: 3578703.7/34
All: 0.001+/-0.000 χ²/NDF: 11187157.9/71
- sign 0.001+/-0.000 χ²/NDF: 7187176.4/36



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.013+/-0.004 χ^2/NDF:46.6/18

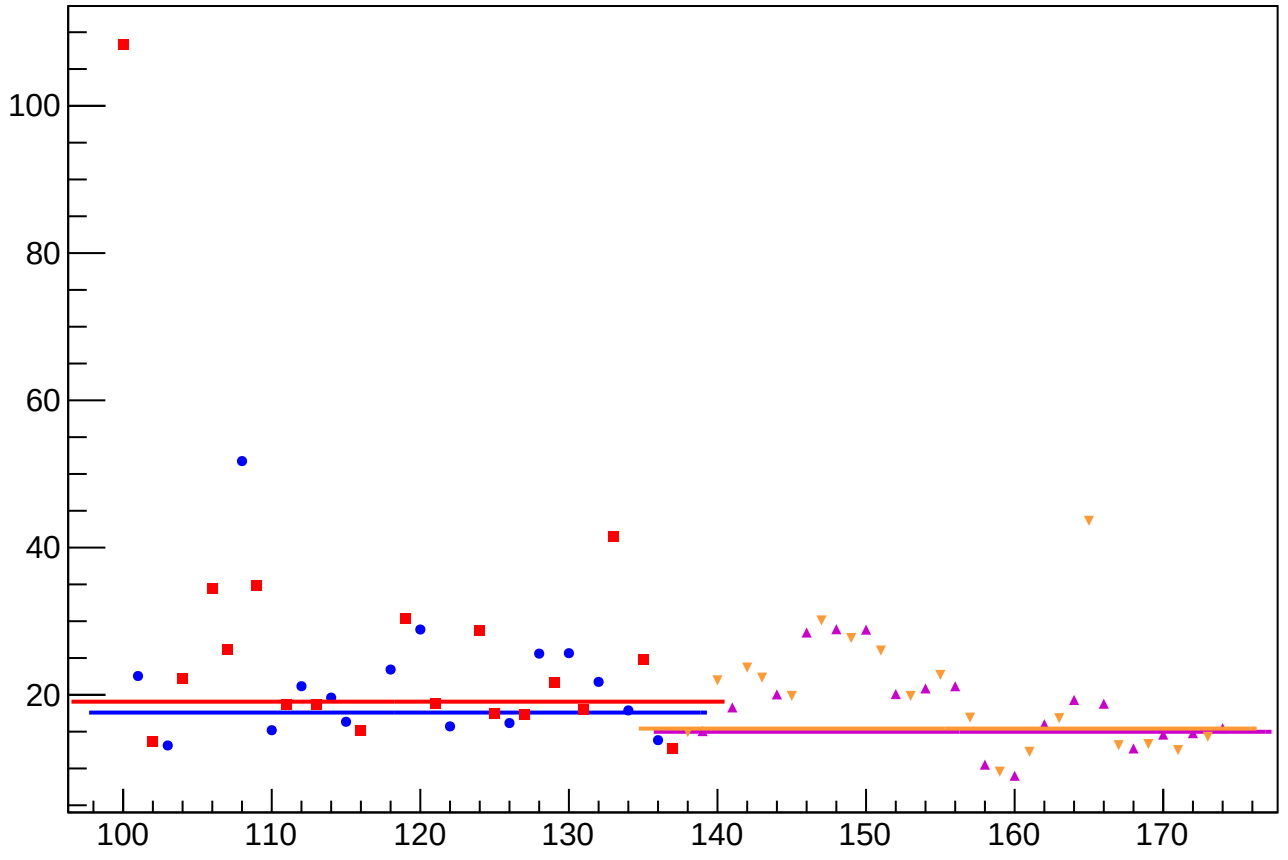
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.004 χ^2/NDF:13.6/17

+ sign -0.011+/-0.004 χ^2/NDF: 63.6/34

All: -0.008+/-0.003 χ^2/NDF: 101.1/71

- 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: 15.418+/-0.003 χ^2/NDF:3045780.3/18

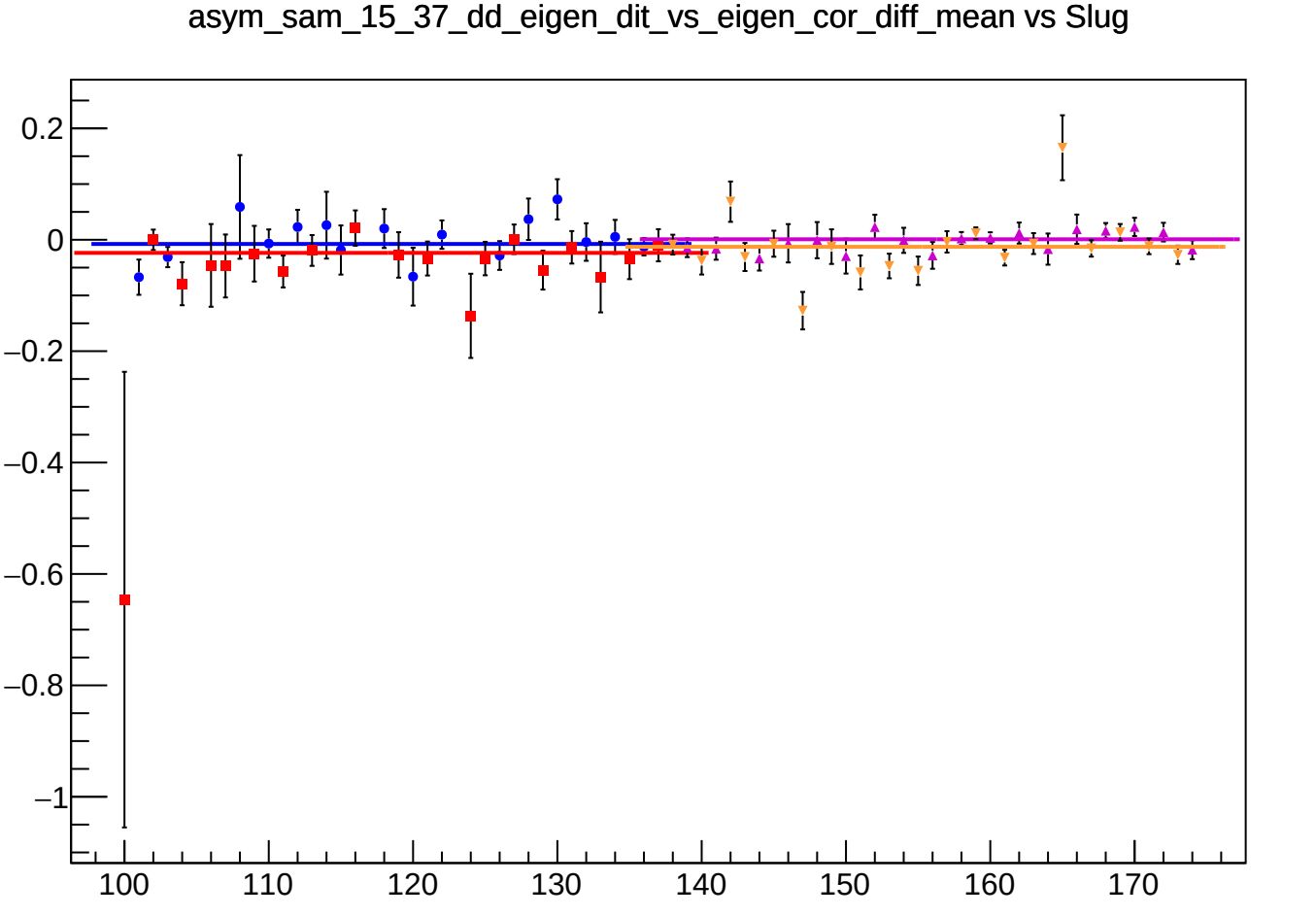
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

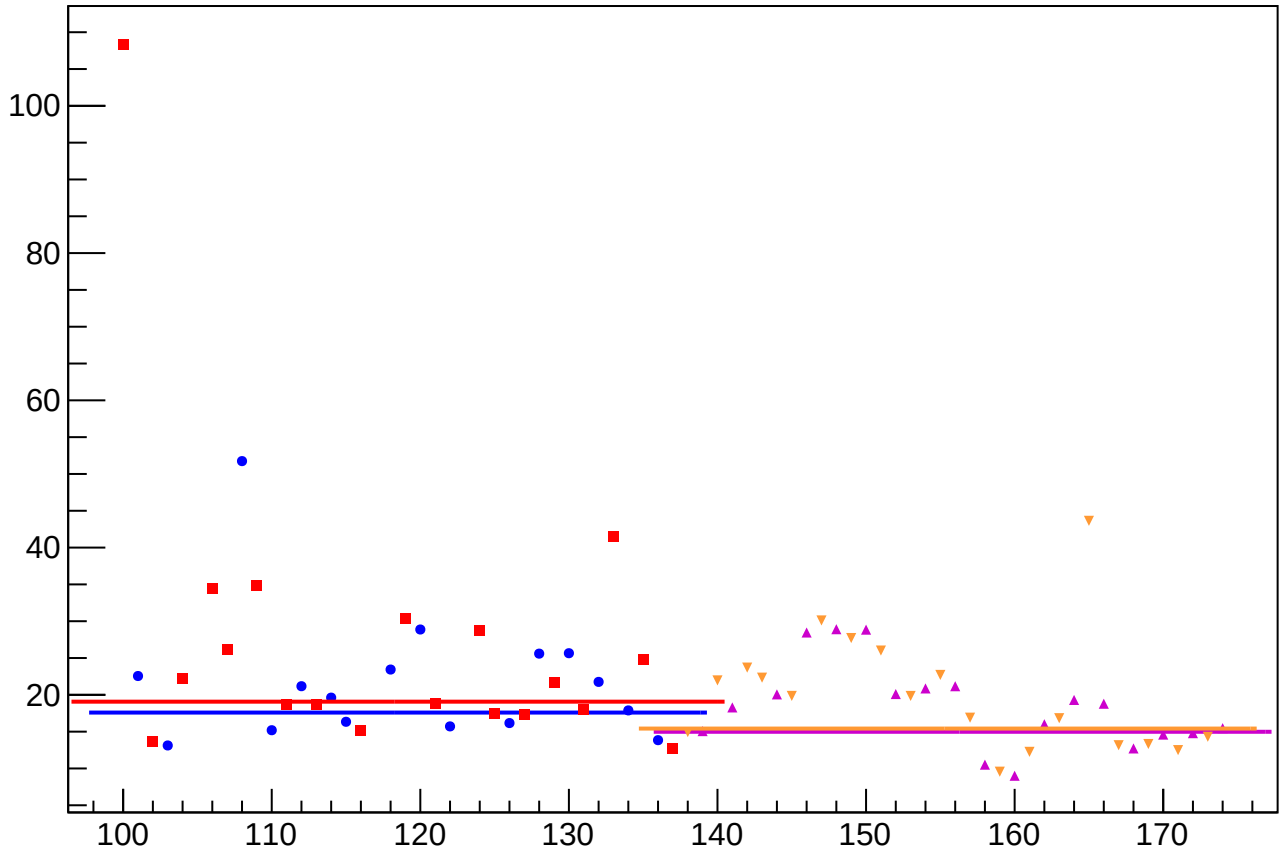
Left In: 14.982+/-0.003 χ^2/NDF:2768423.5/17

+ sign 15.995+/-0.003 χ^2/NDF: 4172890.1/34

All: 15.960+/-0.002 χ^2/NDF: 8619092.8/71

- 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: -0.013+/-0.004 χ²/NDF:46.6/18
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: 63.6/34
All: -0.008+/-0.003 χ²/NDF: 101.1/71
- sign -0.005+/-0.004 χ²/NDF: 35.9/36



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.418+/-0.003 χ^2/NDF:3045780.3/18

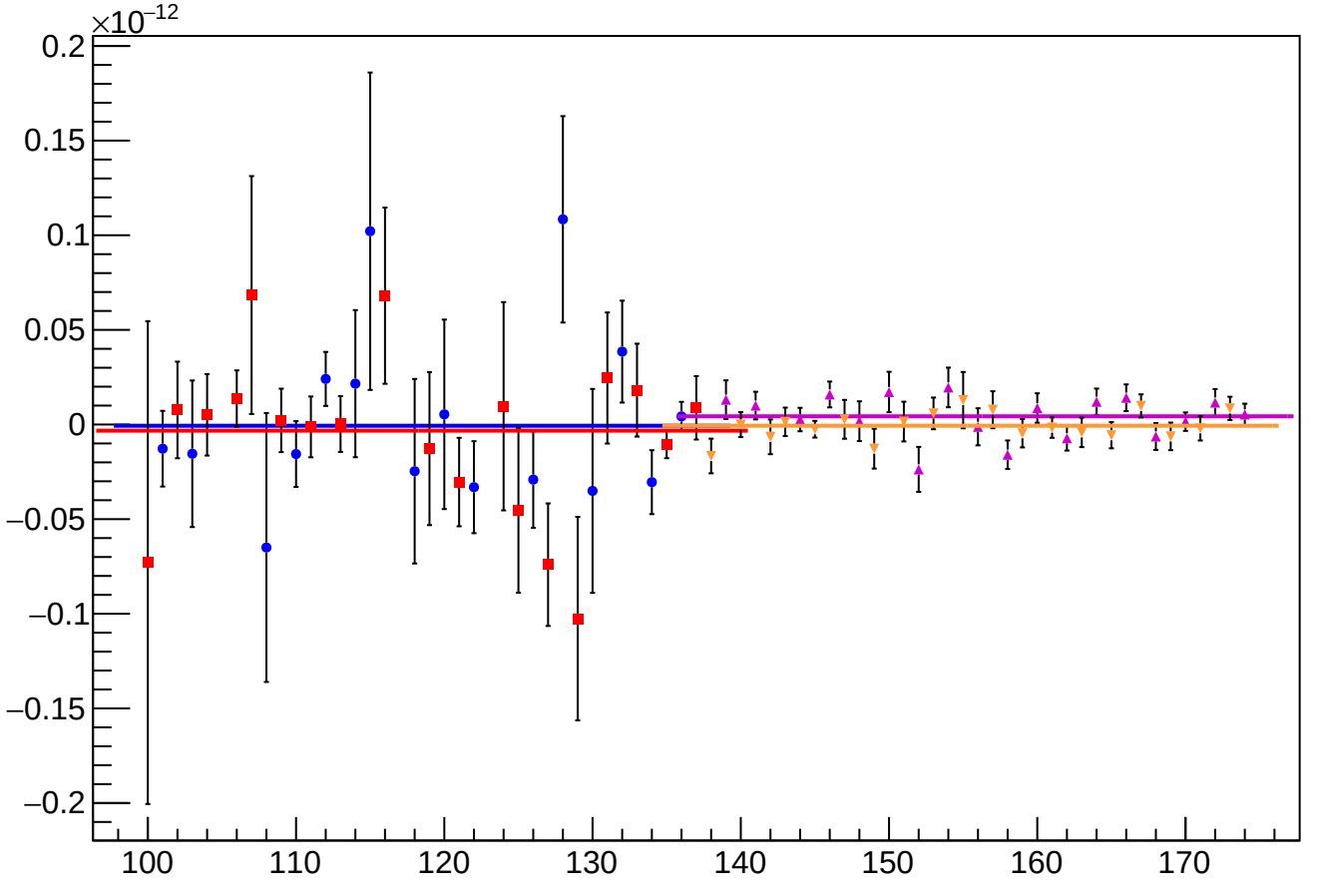
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.982+/-0.003 χ^2/NDF:2768423.5/17

+ sign 15.995+/-0.003 χ^2/NDF: 4172890.1/34

All: 15.960+/-0.002 χ^2/NDF: 8619092.8/71

- 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:14.2/18

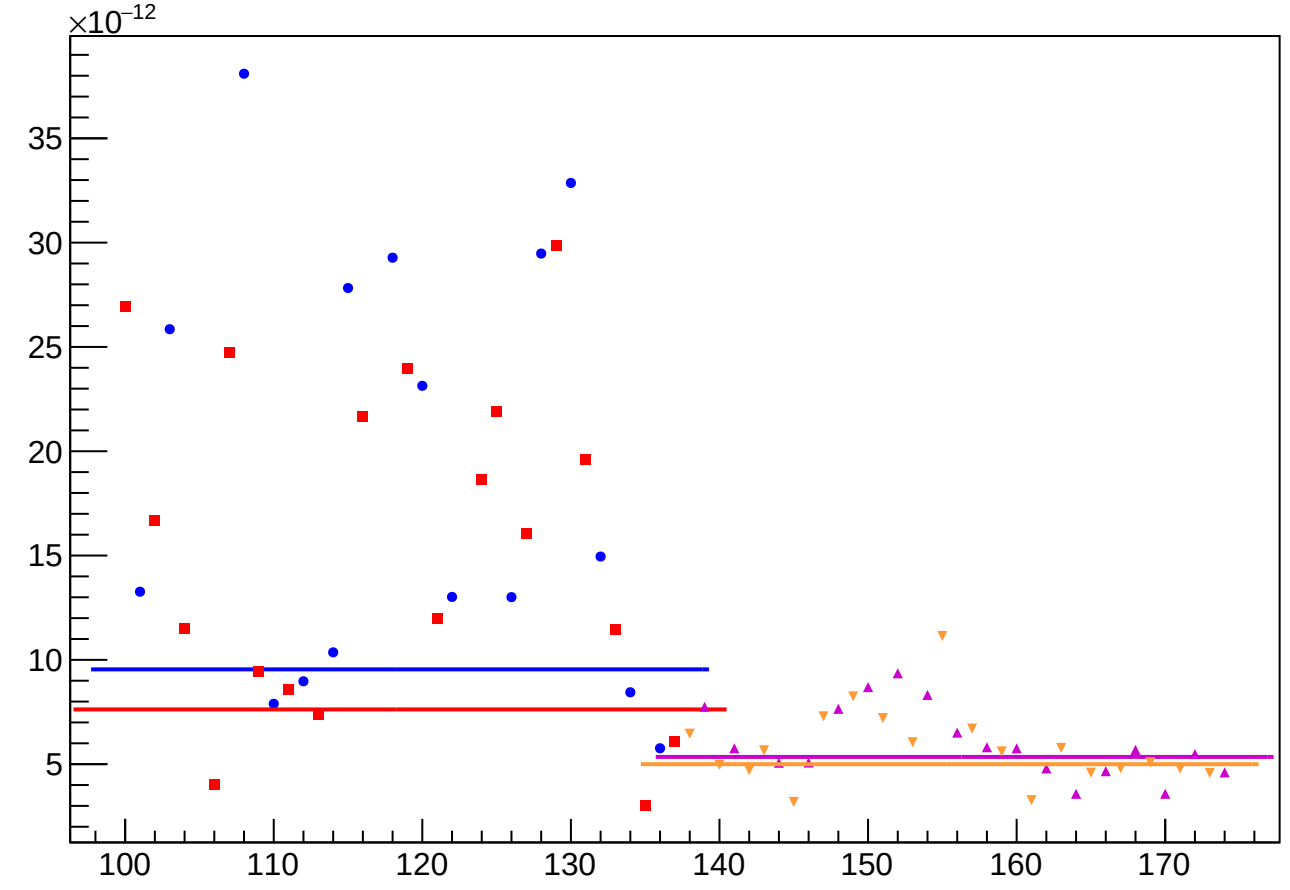
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:31.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 34.5/34

All: 0.000+/-0.000 χ^2/NDF: 90.6/71

- 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:1476779.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

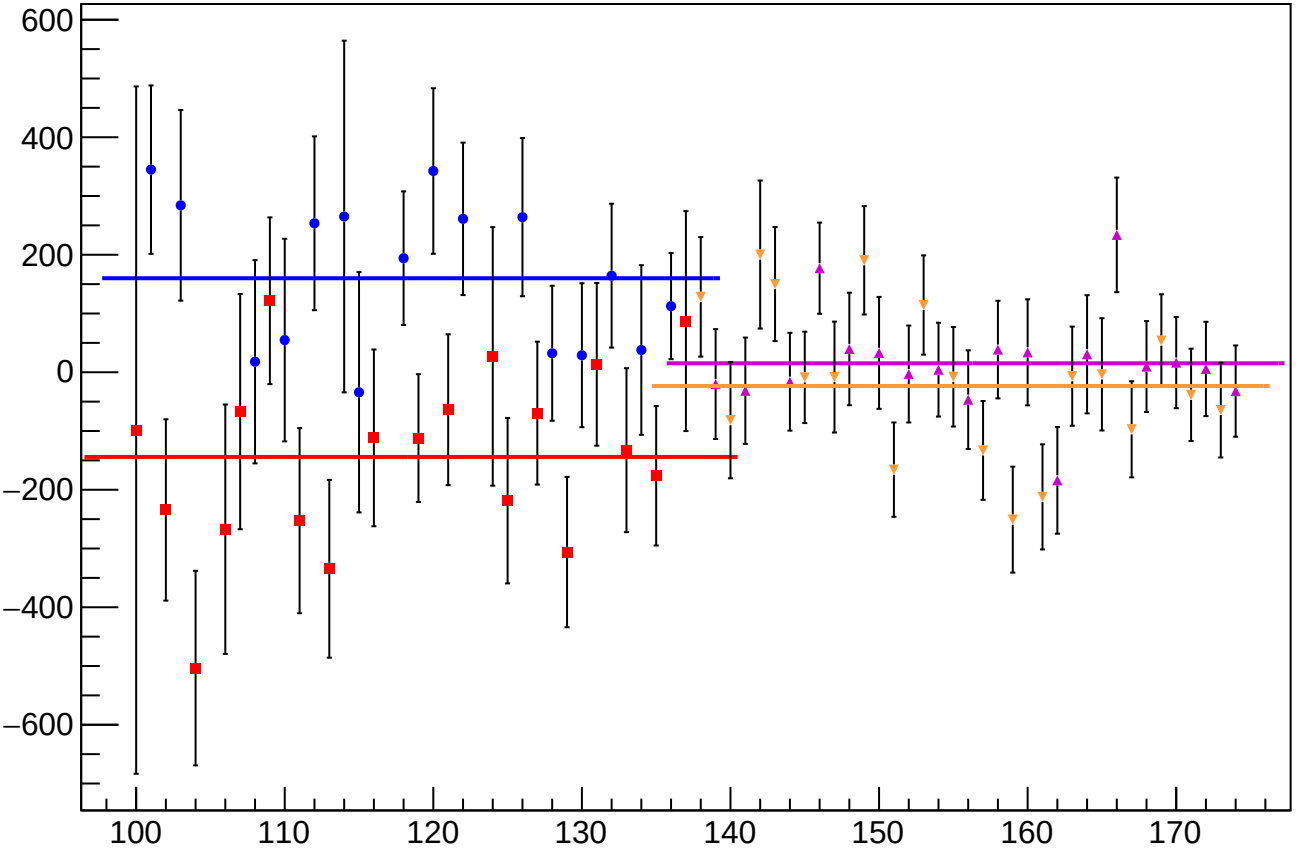
Left In: 0.000+/-0.000 χ^2/NDF:1309835.6/17

+ sign 0.000+/-0.000 χ^2/NDF: 5560493.5/34

All: 0.000+/-0.000 χ^2/NDF: 10419817.1/71

- 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: -23.369+/-20.150 χ^2/NDF:34.9/18

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

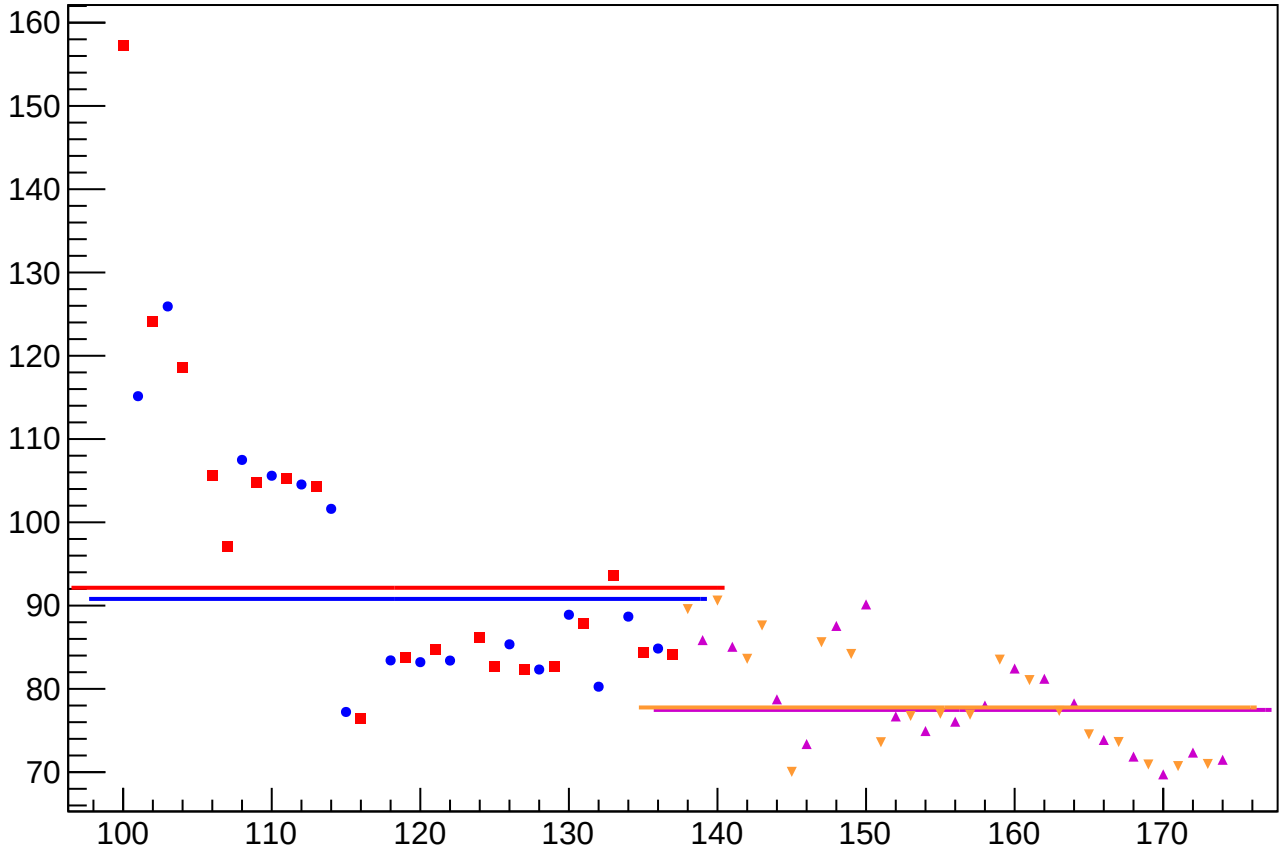
Left In: 15.253+/-20.167 χ^2/NDF:16.0/17

+ sign 23.949+/-17.357 χ^2/NDF: 67.3/34

All: -0.922+/-12.279 χ^2/NDF: 120.9/71

- 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: 77.767+/-0.014 χ^2/NDF:198369.5/18

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

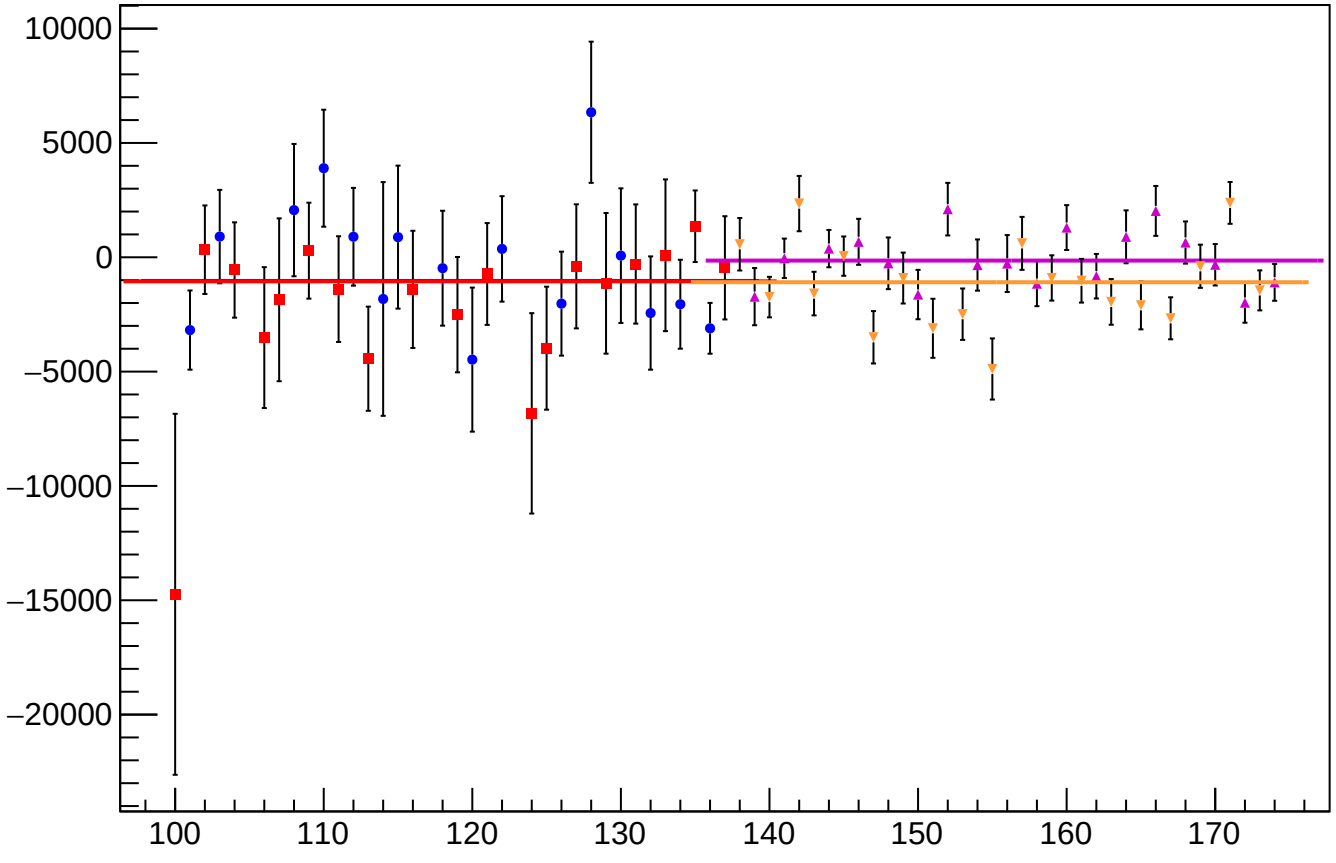
Left In: 77.474+/-0.014 χ^2/NDF:159303.5/17

+ sign 81.130+/-0.012 χ^2/NDF: 687066.8/34

All: 81.193+/-0.009 χ^2/NDF: 1421240.9/71

- sign 81.256+/-0.012 χ^2/NDF: 734121.6/36

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1090.508+/-233.993 χ^2/NDF:51.2/18

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

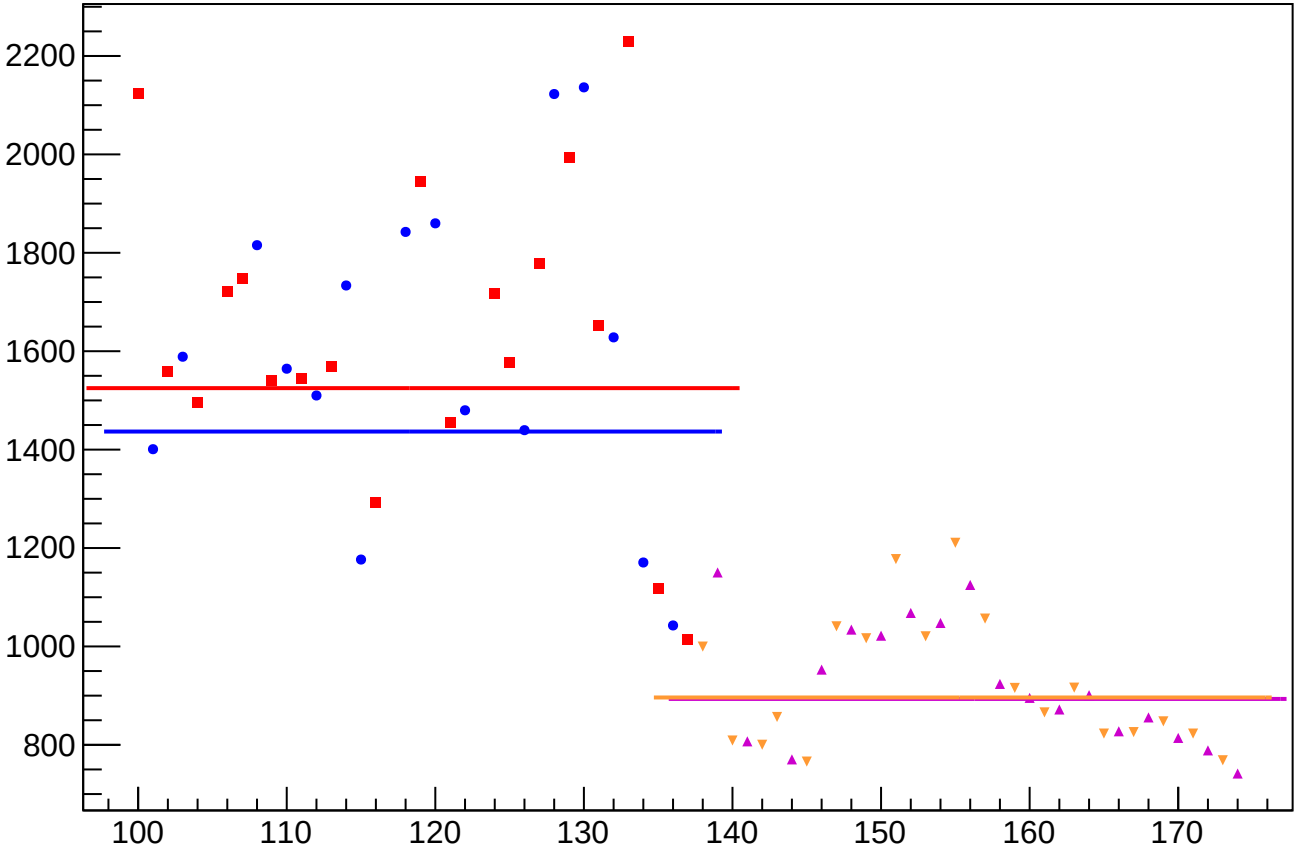
Left In: -144.226+/-234.065 χ^2/NDF:23.5/17

+ sign -1082.012+/-215.329 χ^2/NDF: 71.4/34

All: -680.903+/-152.659 χ^2/NDF: 116.9/71

- 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: 896.252+/-0.165 χ^2/NDF:507018.4/18

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

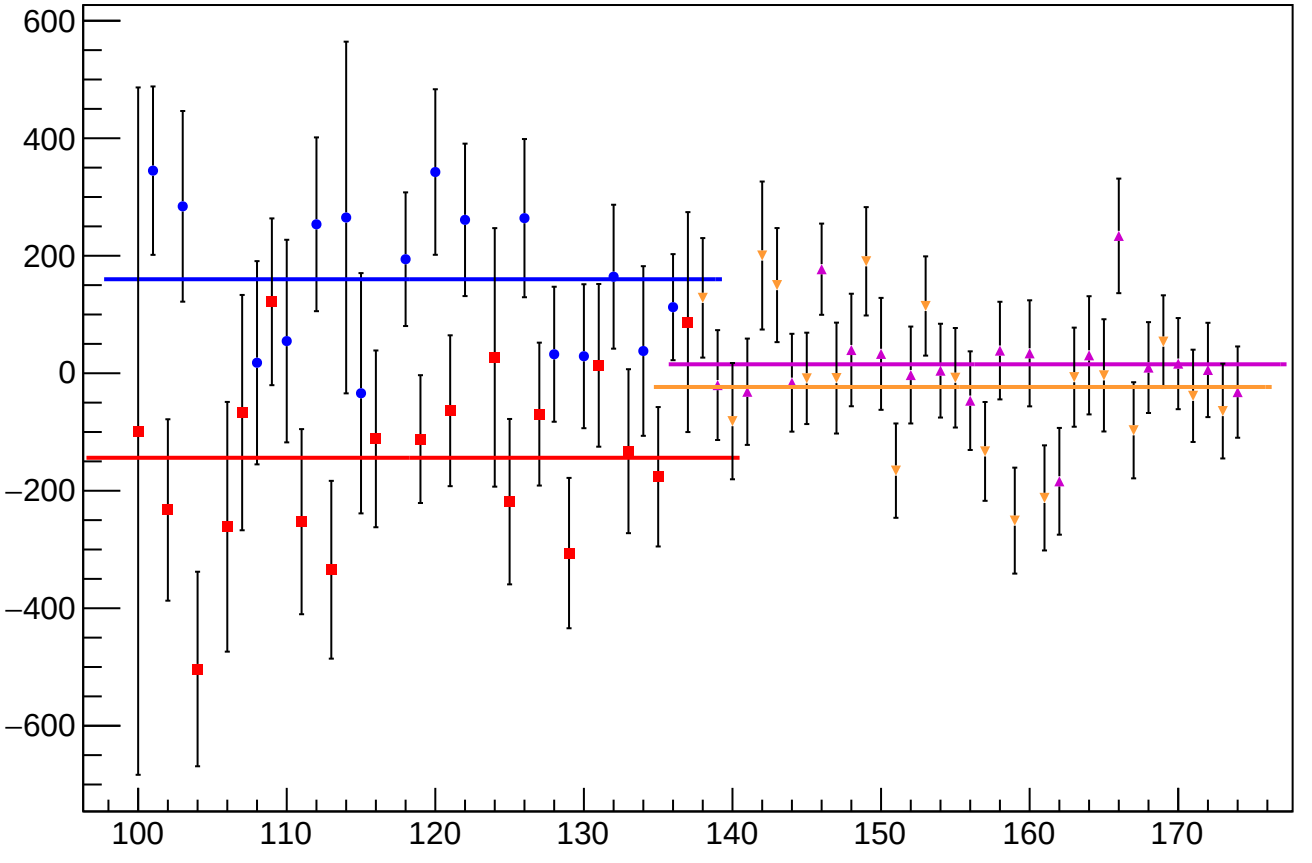
Left In: 893.327+/-0.166 χ^2/NDF:497412.7/17

+ sign 979.034+/-0.152 χ^2/NDF: 2817024.1/34

All: 981.881+/-0.108 χ^2/NDF: 5927937.1/71

- 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: -23.368+/-20.150 χ^2/NDF:34.9/18

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

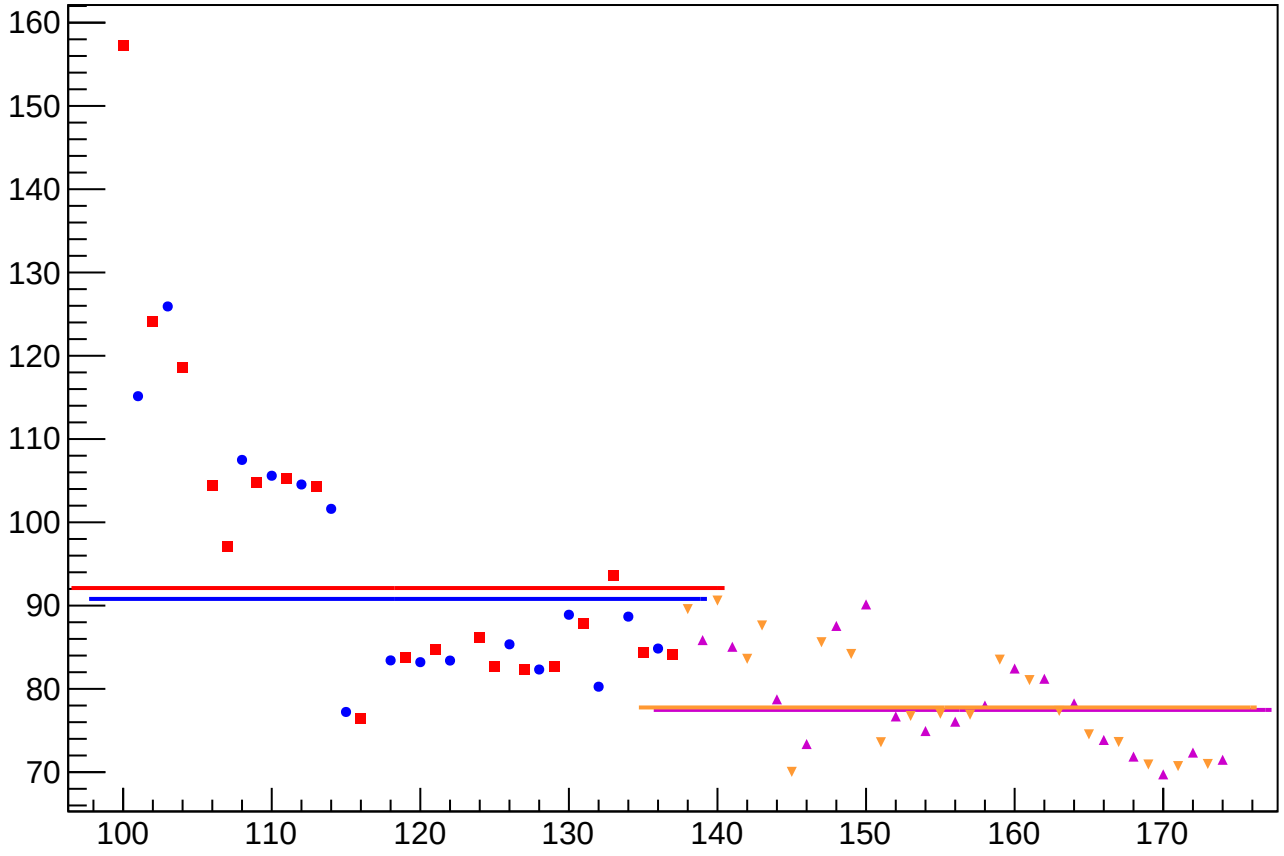
Left In: 15.256+/-20.167 χ^2/NDF:16.0/17

+ sign 23.949+/-17.357 χ^2/NDF: 67.3/34

All: -0.886+/-12.279 χ^2/NDF: 120.8/71

- 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: 77.767+/-0.014 χ^2/NDF:198369.5/18

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

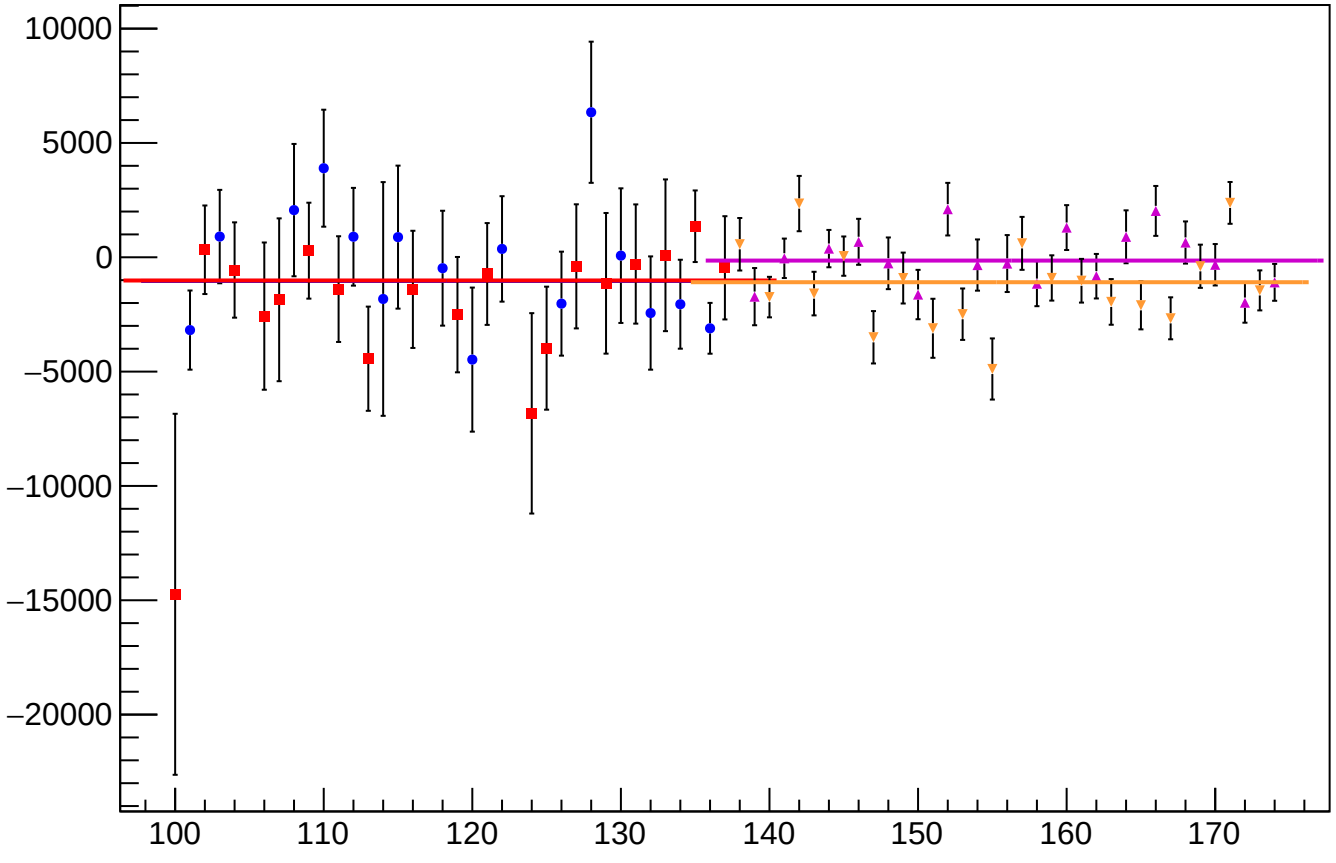
Left In: 77.474+/-0.014 χ^2/NDF:159303.5/17

+ sign 81.130+/-0.012 χ^2/NDF: 687068.8/34

All: 81.189+/-0.009 χ^2/NDF: 1418716.9/71

- sign 81.247+/-0.012 χ^2/NDF: 731602.8/36

asym_sam_24_68_dd_cor_correction_mean vs Slug



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1090.505+/-233.992 χ^2/NDF:51.2/18

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

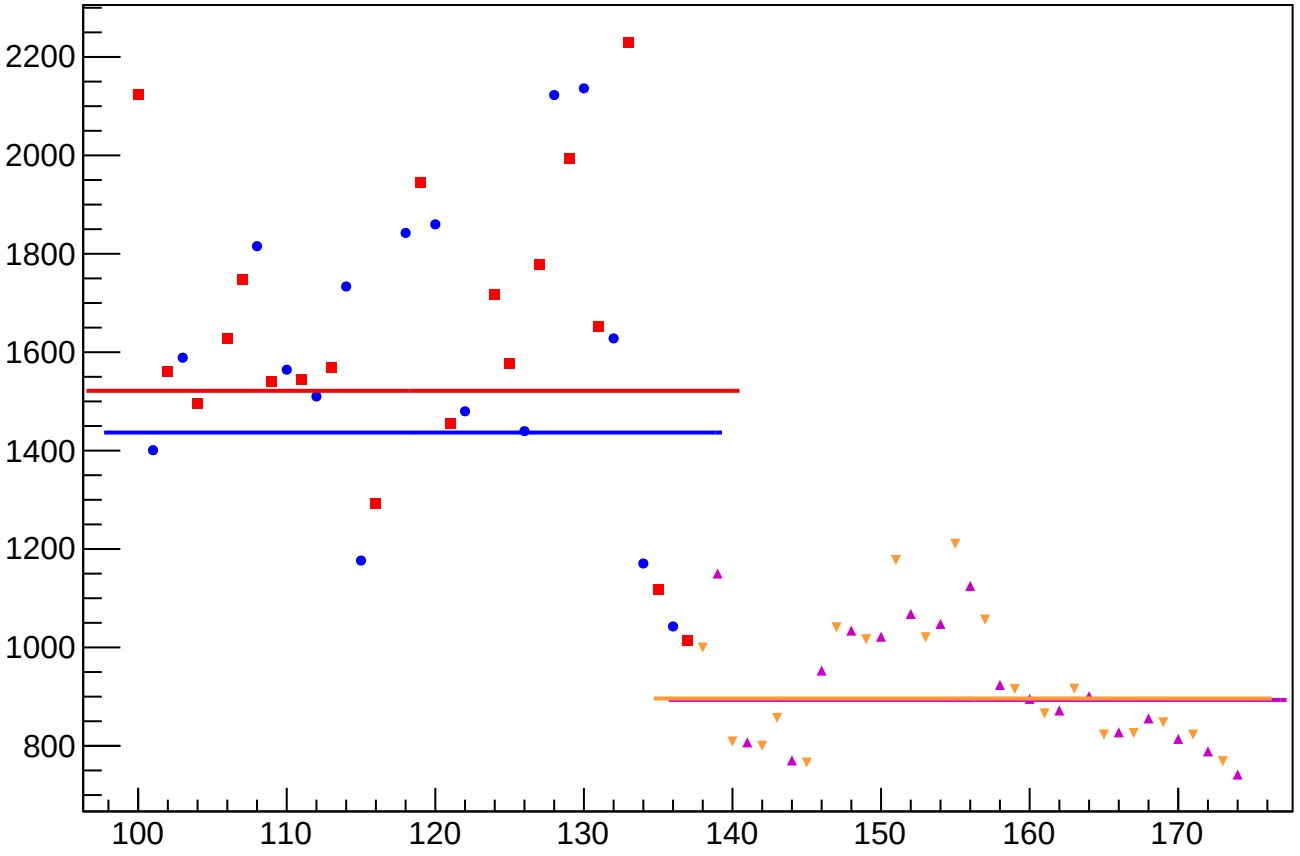
Left In: -144.225+/-234.065 χ^2/NDF:23.5/17

+ sign -1082.005+/-215.329 χ^2/NDF: 71.4/34

All: -678.227+/-152.676 χ^2/NDF: 116.4/71

- 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: 896.252+/-0.165 χ^2/NDF:507019.9/18

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

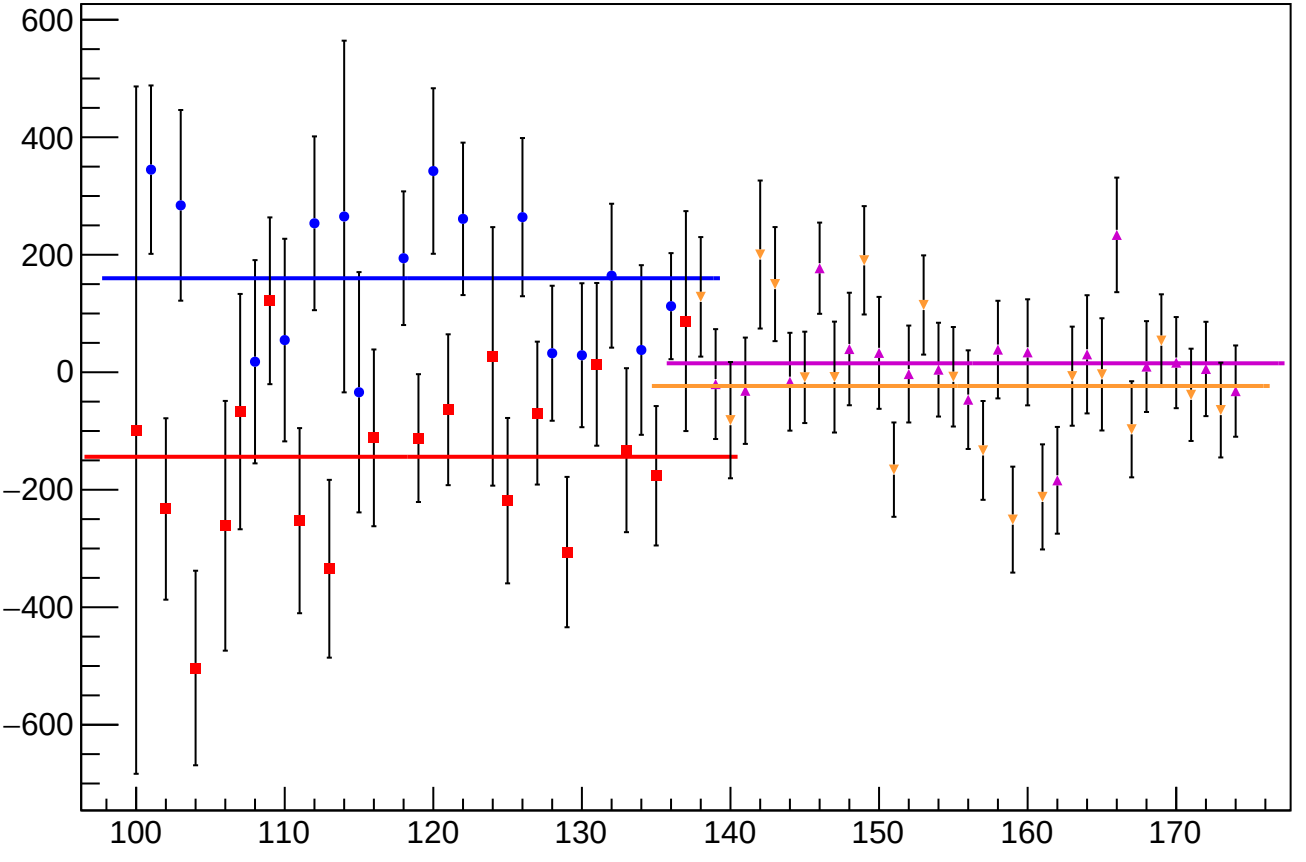
Left In: 893.327+/-0.166 χ^2/NDF:497412.1/17

+ sign 979.033+/-0.152 χ^2/NDF: 2817049.1/34

All: 981.518+/-0.108 χ^2/NDF: 5893318.8/71

- 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: -23.368+/-20.150 χ^2/NDF:34.9/18

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

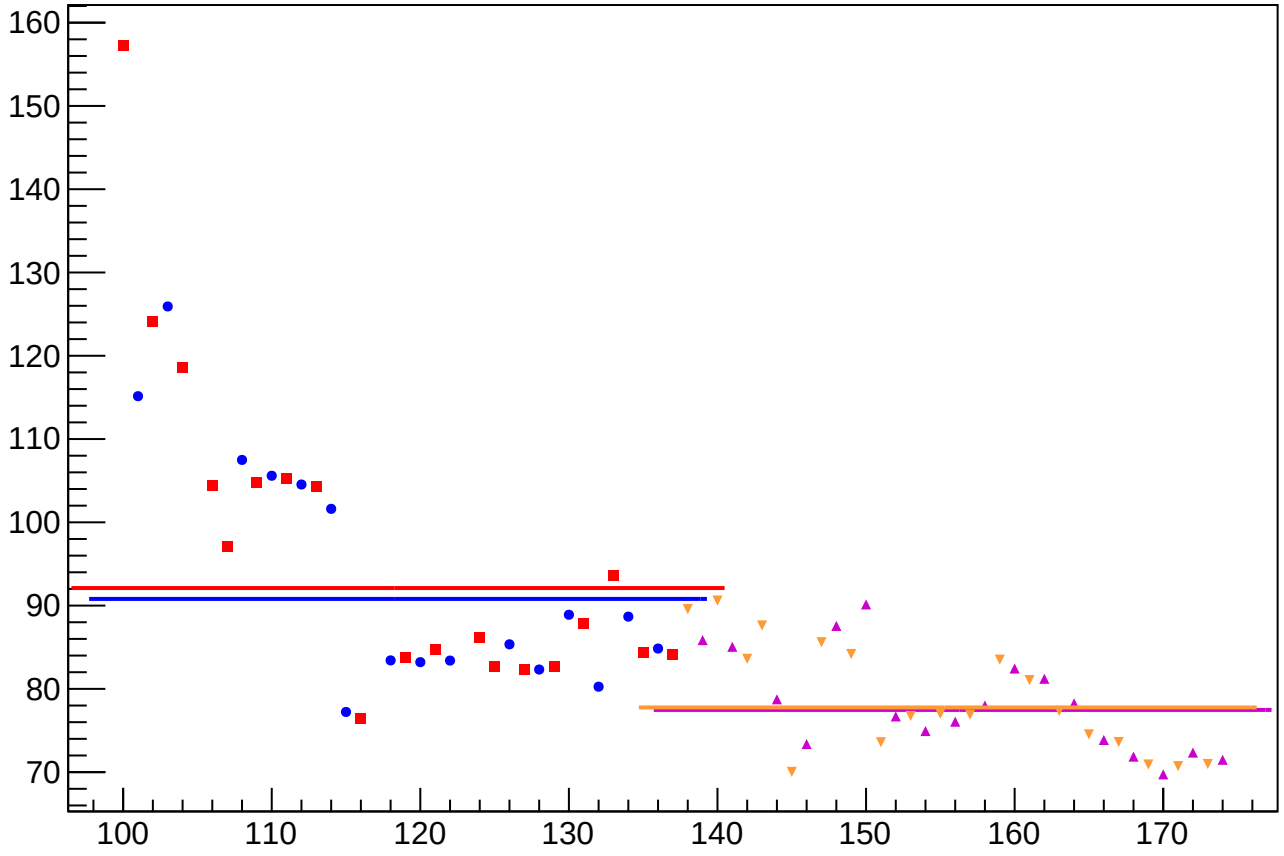
Left In: 15.256+/-20.167 χ^2/NDF:16.0/17

+ sign 23.949+/-17.357 χ^2/NDF: 67.3/34

All: -0.886+/-12.279 χ^2/NDF: 120.8/71

- 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: 77.767+/-0.014 χ^2/NDF:198369.5/18

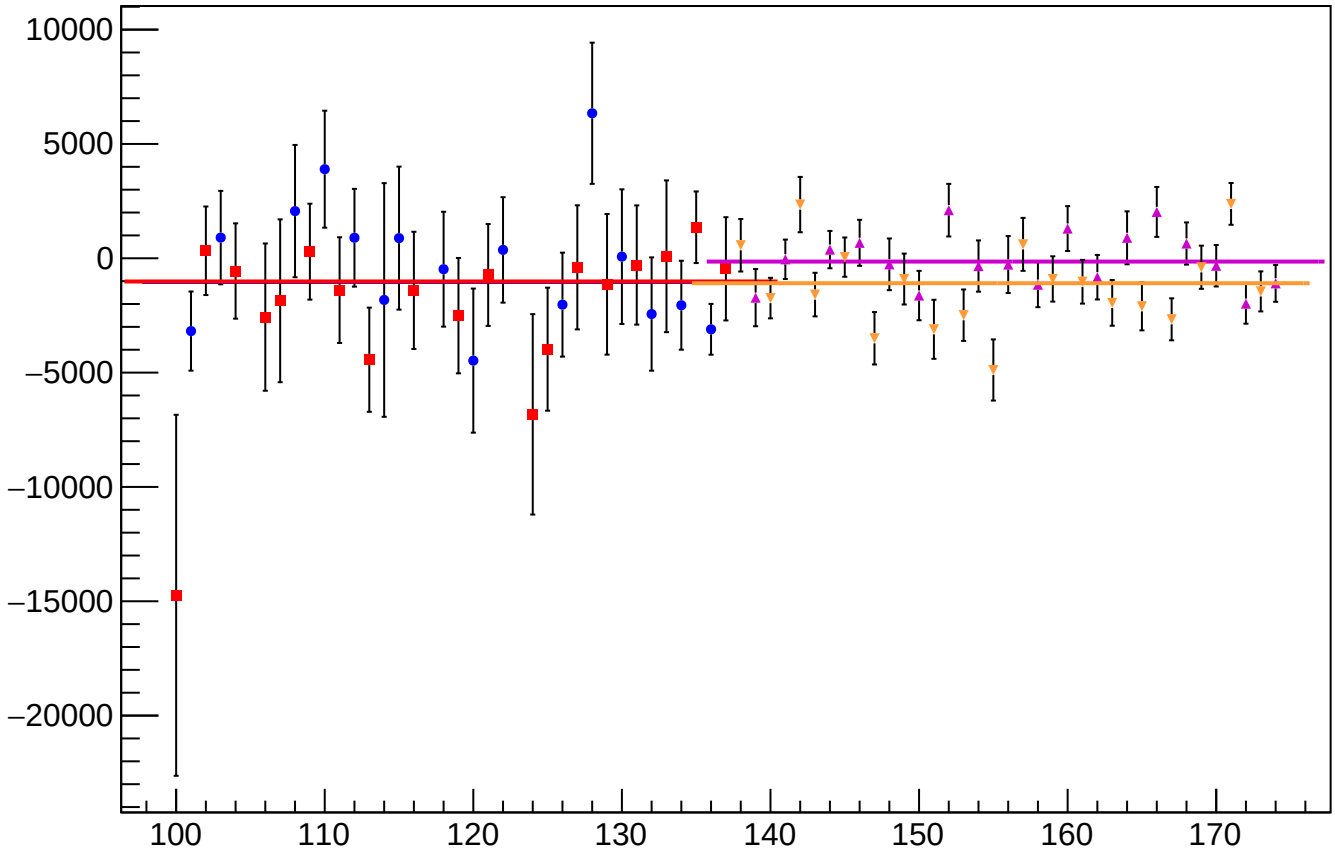
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.474+/-0.014 χ^2/NDF:159303.5/17

\+ sign 81.130+/-0.012 χ^2/NDF: 687068.8/34

All: 81.189+/-0.009 χ^2/NDF: 1418716.9/71

\- 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: -1090.505+/-233.992 χ^2/NDF:51.2/18

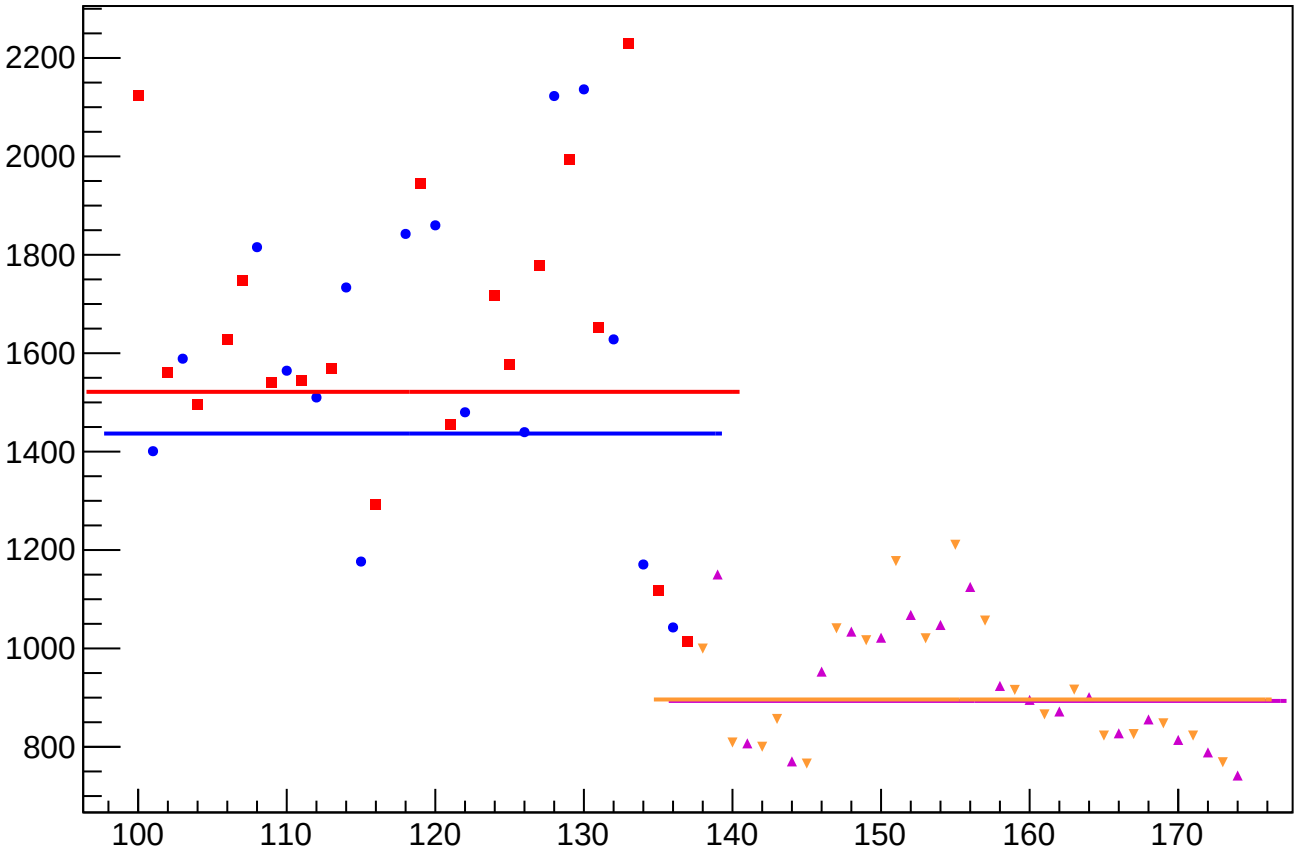
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -144.225+/-234.065 χ^2/NDF:23.5/17

+ sign -1082.005+/-215.329 χ^2/NDF: 71.4/34

All: -678.227+/-152.676 χ^2/NDF: 116.4/71

- 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: 896.252+/-0.165 χ^2/NDF:507019.9/18

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

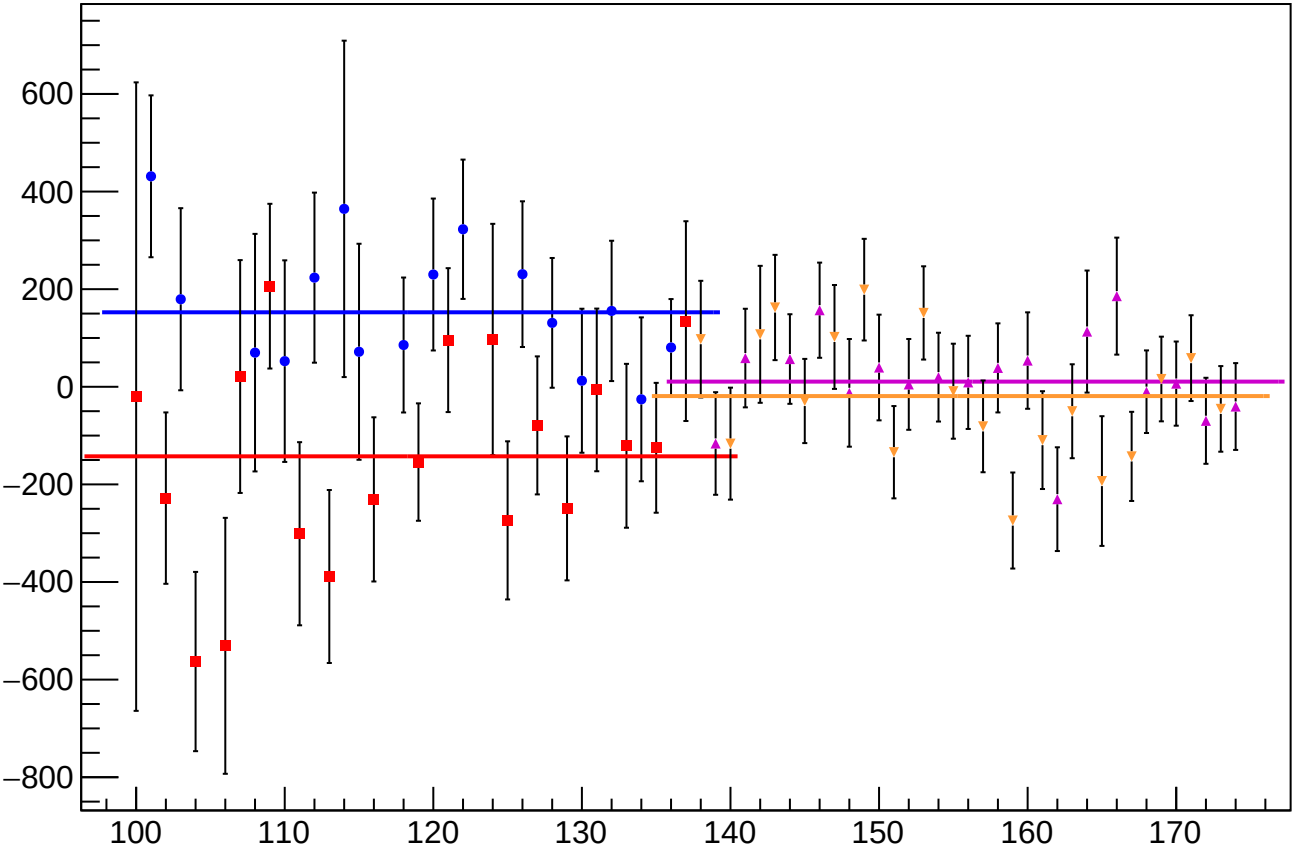
Left In: 893.327+/-0.166 χ^2/NDF:497412.1/17

+ sign 979.033+/-0.152 χ^2/NDF: 2817049.1/34

All: 981.518+/-0.108 χ^2/NDF: 5893318.8/71

- 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: -19.039+/-22.838 χ^2/NDF:28.3/18

Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

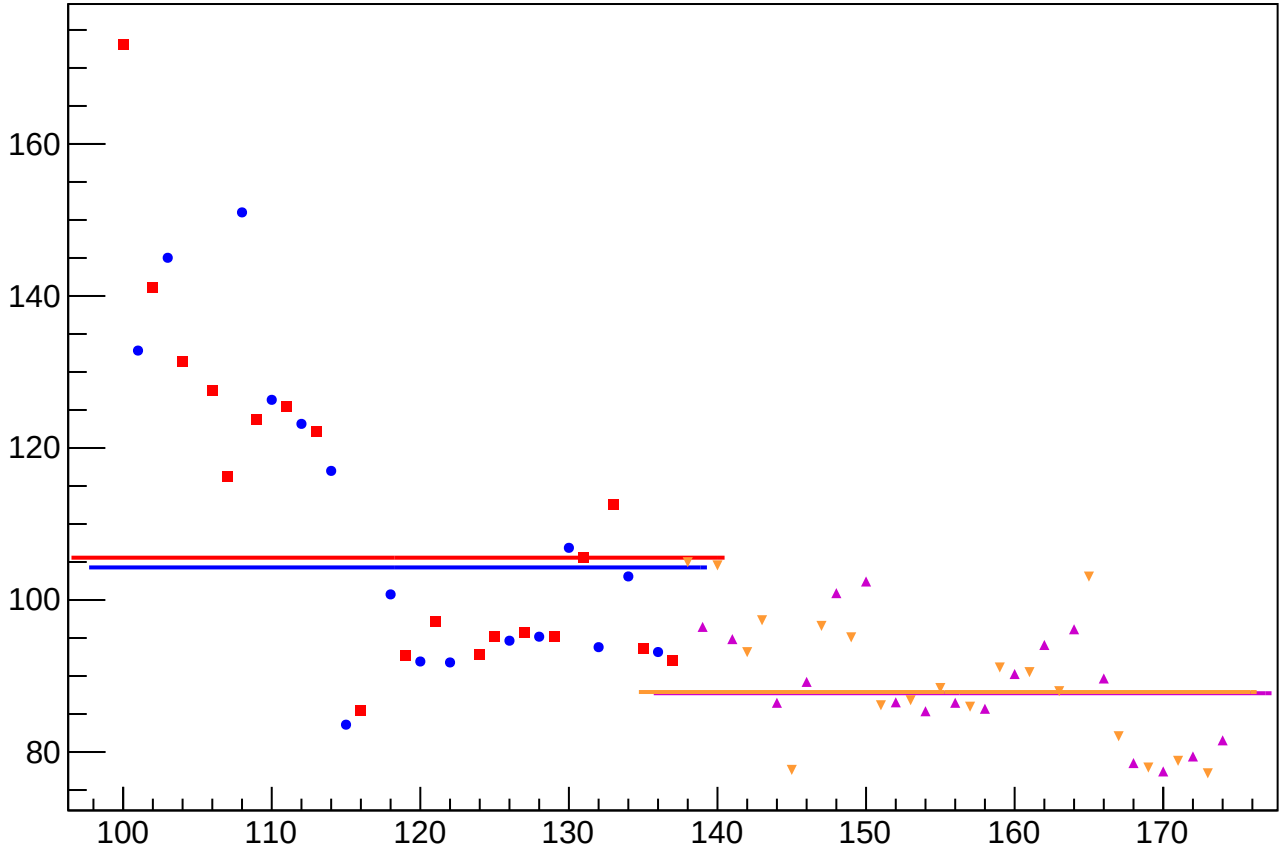
Left In: 10.593+/-22.943 χ^2/NDF:13.8/17

+ sign 24.057+/-19.764 χ^2/NDF: 51.2/34

All: -2.030+/-13.995 χ^2/NDF: 102.6/71

- sign -28.260+/-19.819 χ^2/NDF: 48.0/36

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 87.893+/-0.016 χ^2/NDF:269055.7/18

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

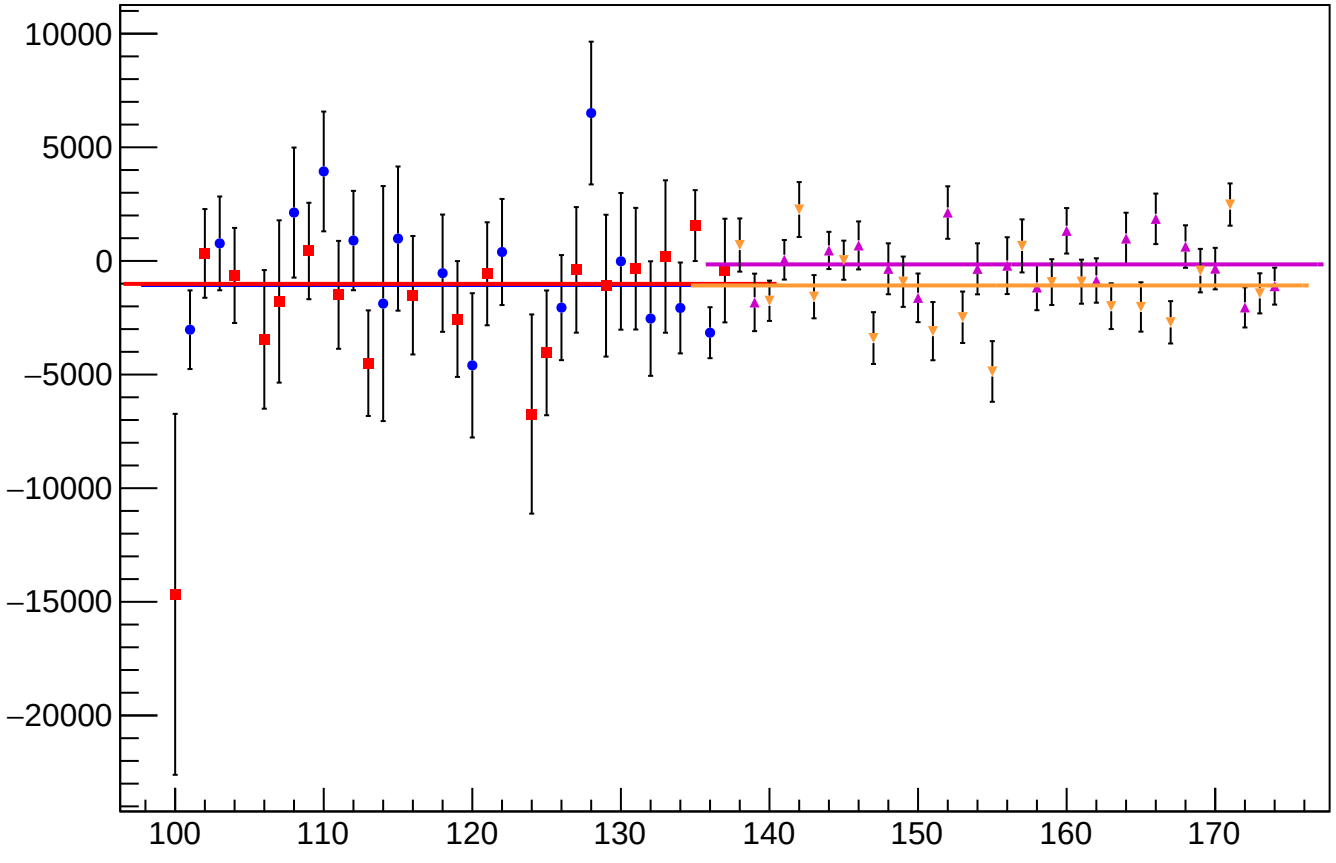
Left In: 87.734+/-0.016 χ^2/NDF:190585.9/17

+ sign 92.008+/-0.014 χ^2/NDF: 906066.9/34

All: 92.134+/-0.010 χ^2/NDF: 1748131.0/71

- sign 92.260+/-0.014 χ^2/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: -1078.662+/-235.770 χ^2/NDF:50.8/18

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

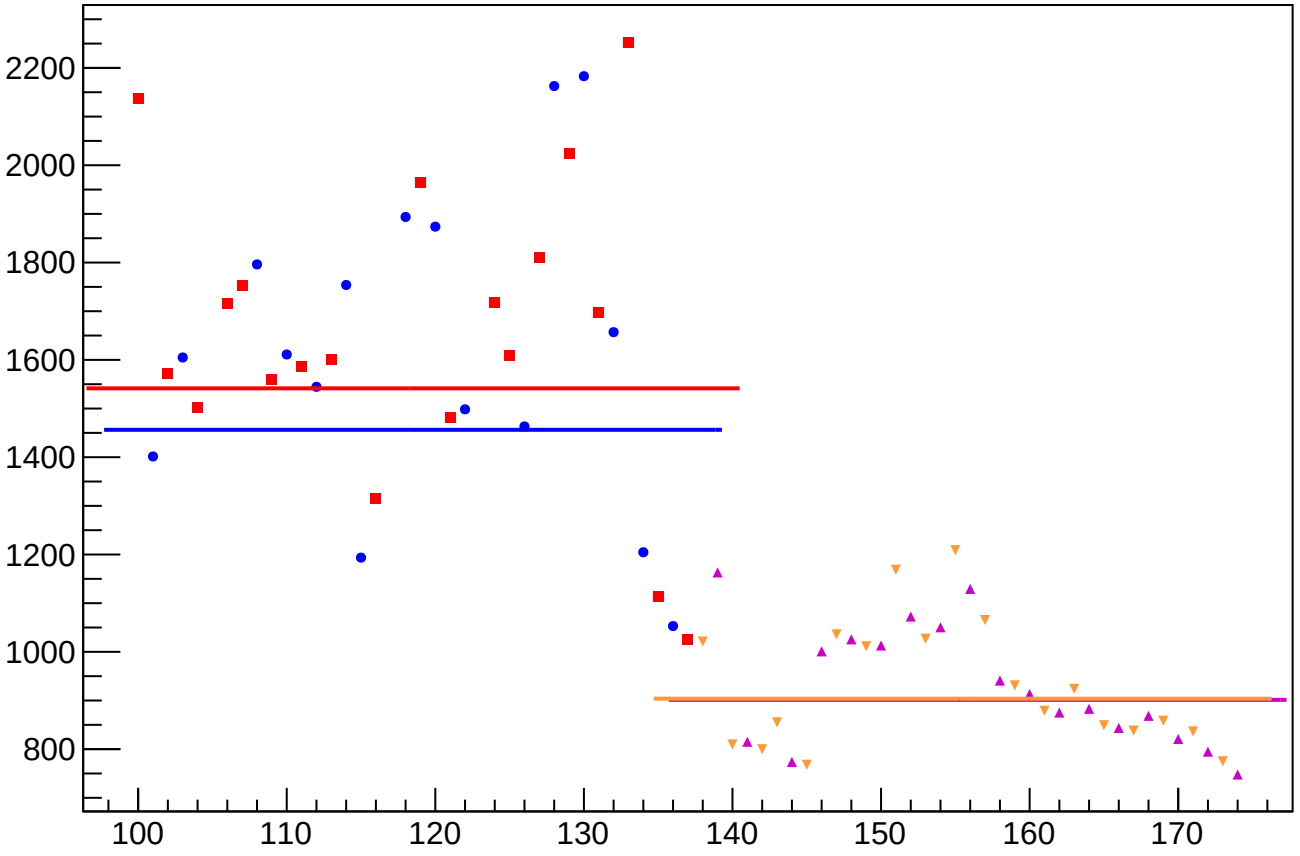
Left In: -152.287+/-236.083 χ^2/NDF:23.5/17

+ sign -1075.734+/-217.158 χ^2/NDF: 70.9/34

All: -678.127+/-153.990 χ^2/NDF: 116.3/71

- 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: 903.791+/-0.167 χ^2/NDF:486660.3/18

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

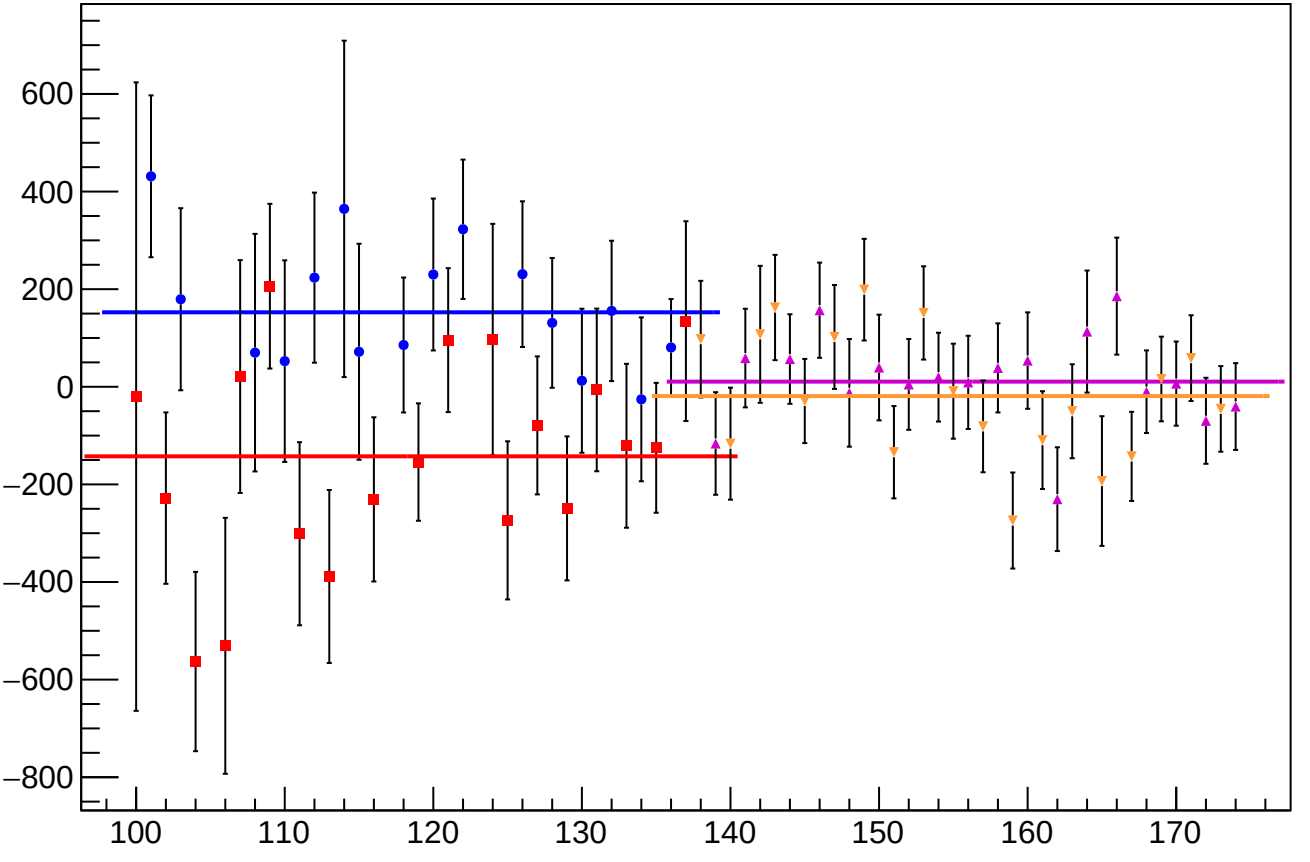
Left In: 901.320+/-0.167 χ^2/NDF:492690.4/17

+ sign 987.579+/-0.154 χ^2/NDF: 2837080.3/34

All: 990.595+/-0.109 χ^2/NDF: 5970893.7/71

- 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: -19.039+/-22.838 χ^2/NDF:28.3/18

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

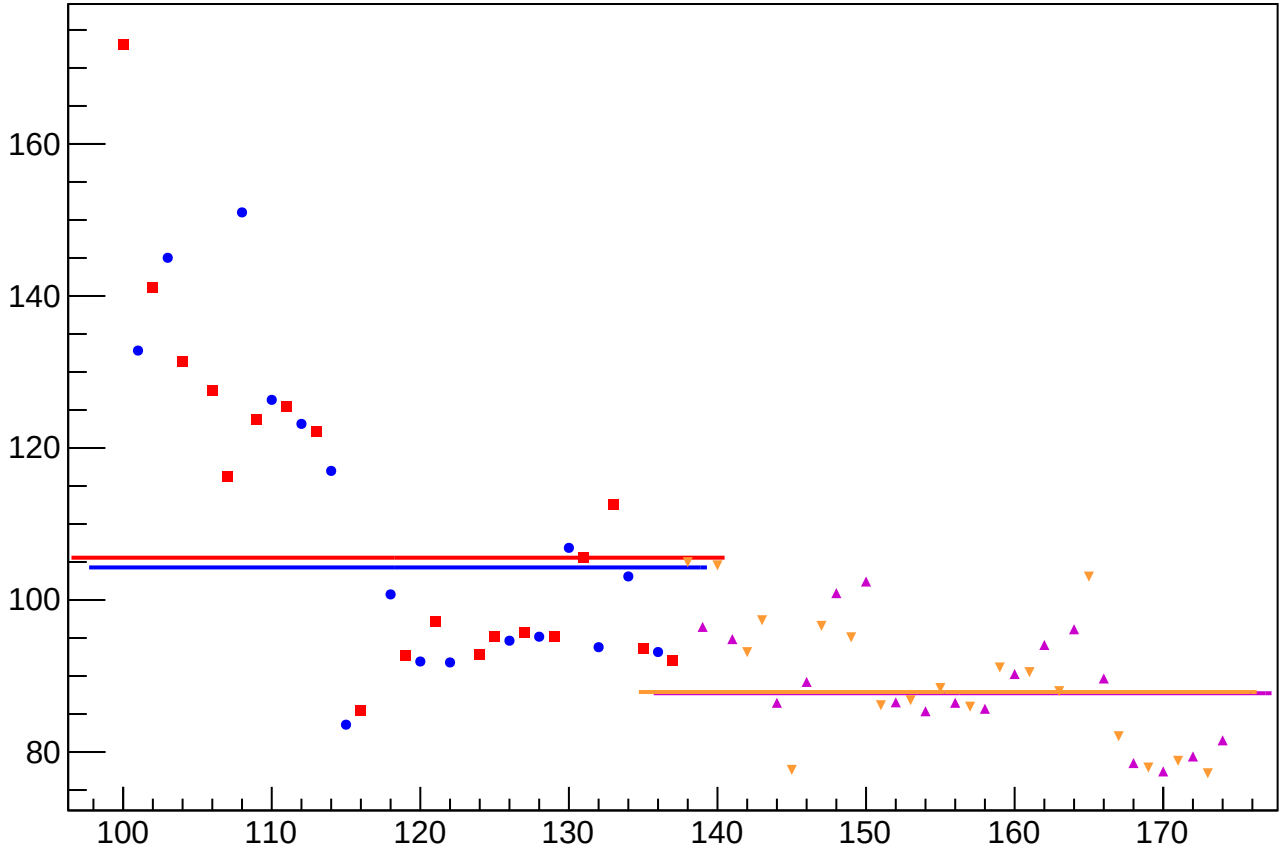
Left In: 10.593+/-22.943 χ^2/NDF:13.8/17

+ sign 24.058+/-19.764 χ^2/NDF: 51.1/34

All: -2.029+/-13.995 χ^2/NDF: 102.6/71

- 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: 87.893+/-0.016 χ^2/NDF:269053.7/18

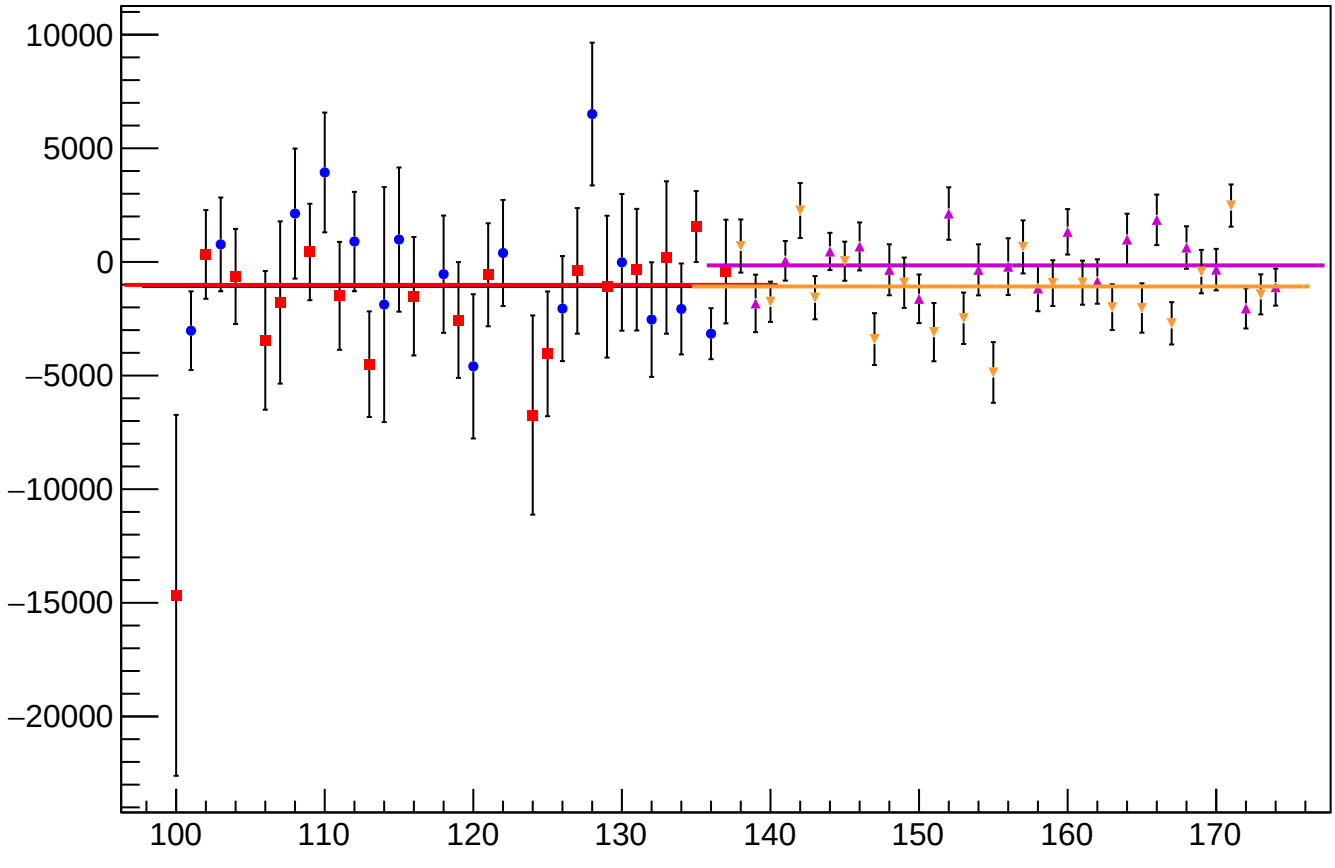
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 87.734+/-0.016 χ^2/NDF:190586.4/17

+ sign 92.008+/-0.014 χ^2/NDF: 906036.2/34

All: 92.134+/-0.010 χ^2/NDF: 1748078.3/71

- 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: -1078.662+/-235.770 χ^2/NDF:50.8/18

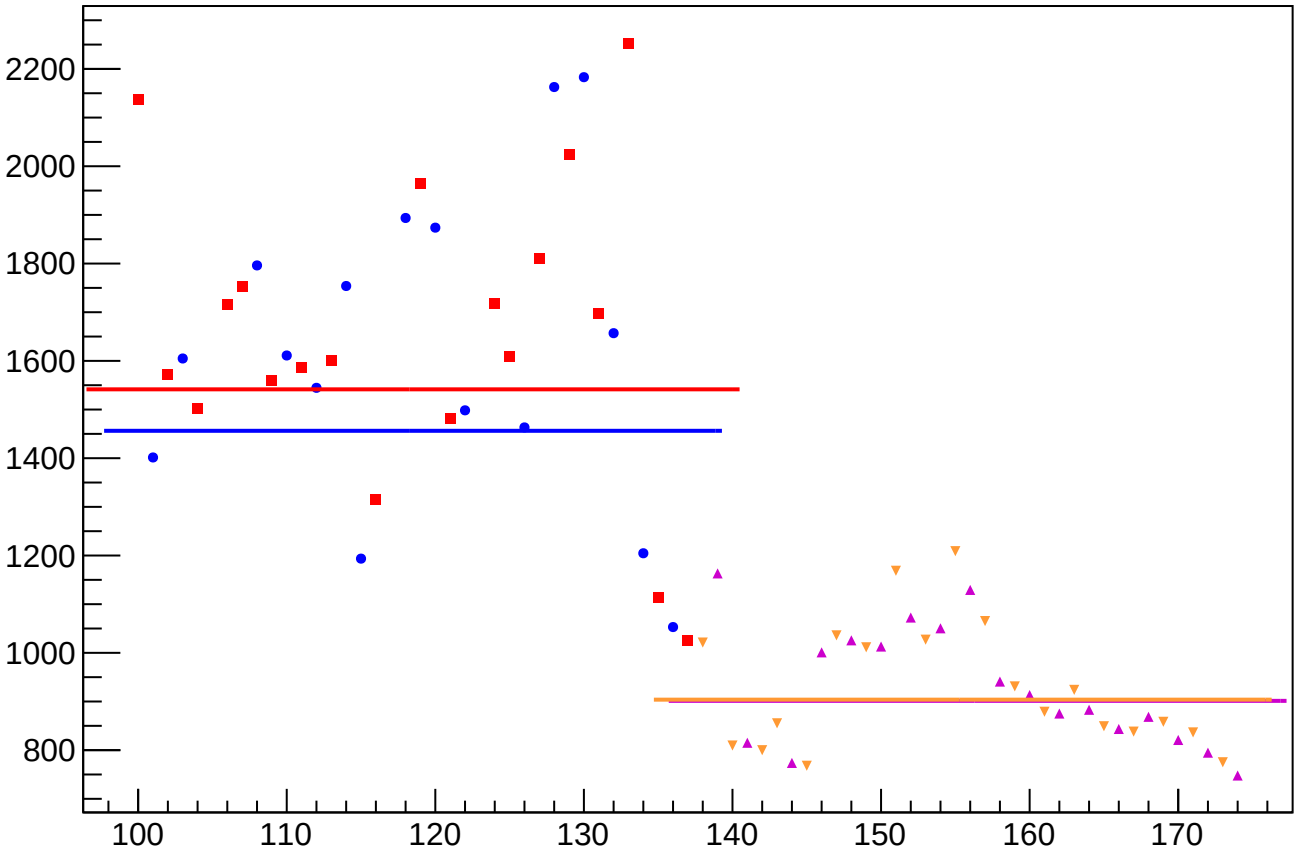
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -152.286+/-236.083 χ^2/NDF:23.5/17

+ sign -1075.734+/-217.158 χ^2/NDF: 70.9/34

All: -678.126+/-153.990 χ^2/NDF: 116.3/71

- 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: 903.790+/-0.167 χ^2/NDF:486661.2/18

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

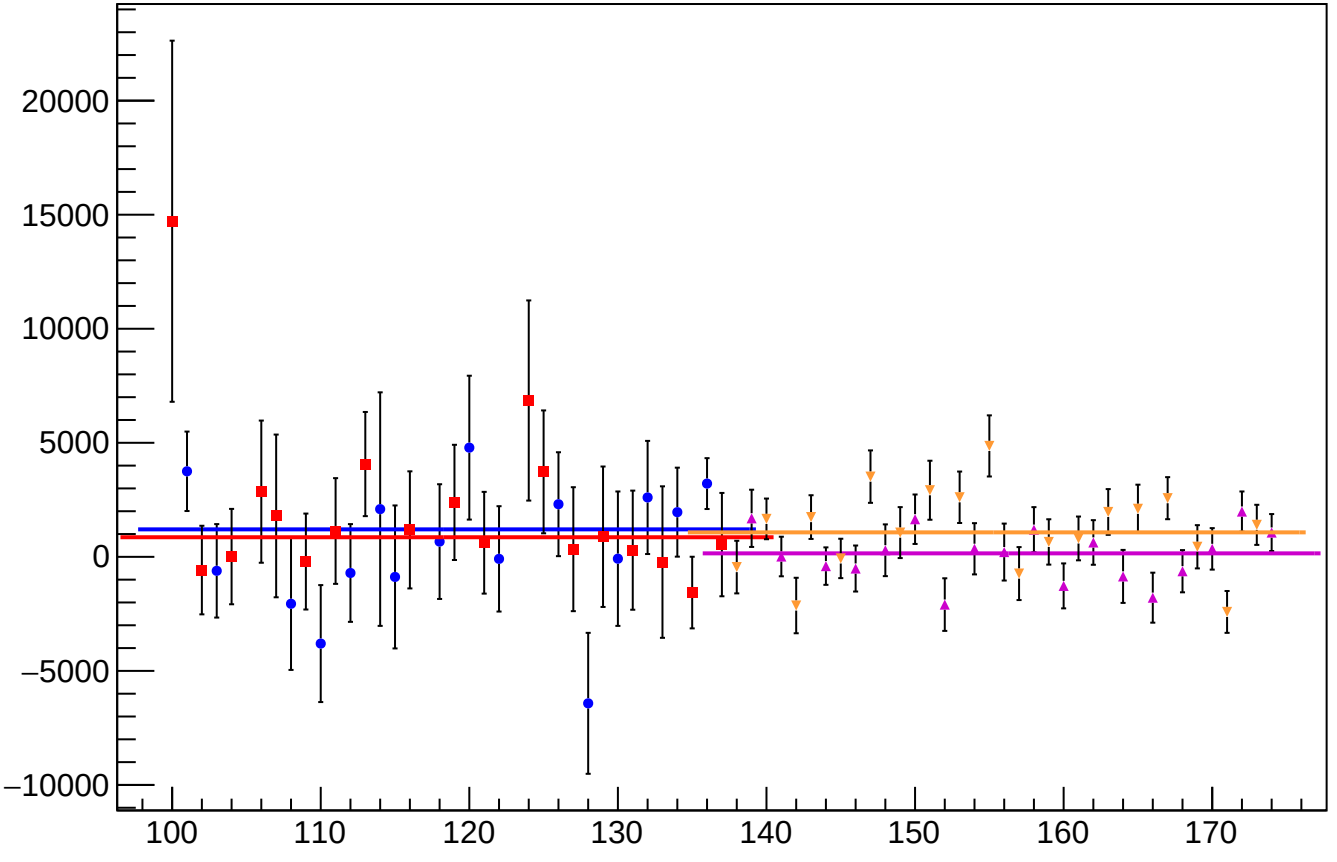
Left In: 901.319+/-0.167 χ^2/NDF:492689.8/17

\+ sign 987.578+/-0.154 χ^2/NDF: 2837072.4/34

All: 990.595+/-0.109 χ^2/NDF: 5970877.6/71

\- 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: 1073.027+/-234.947 χ^2/NDF:49.9/18

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

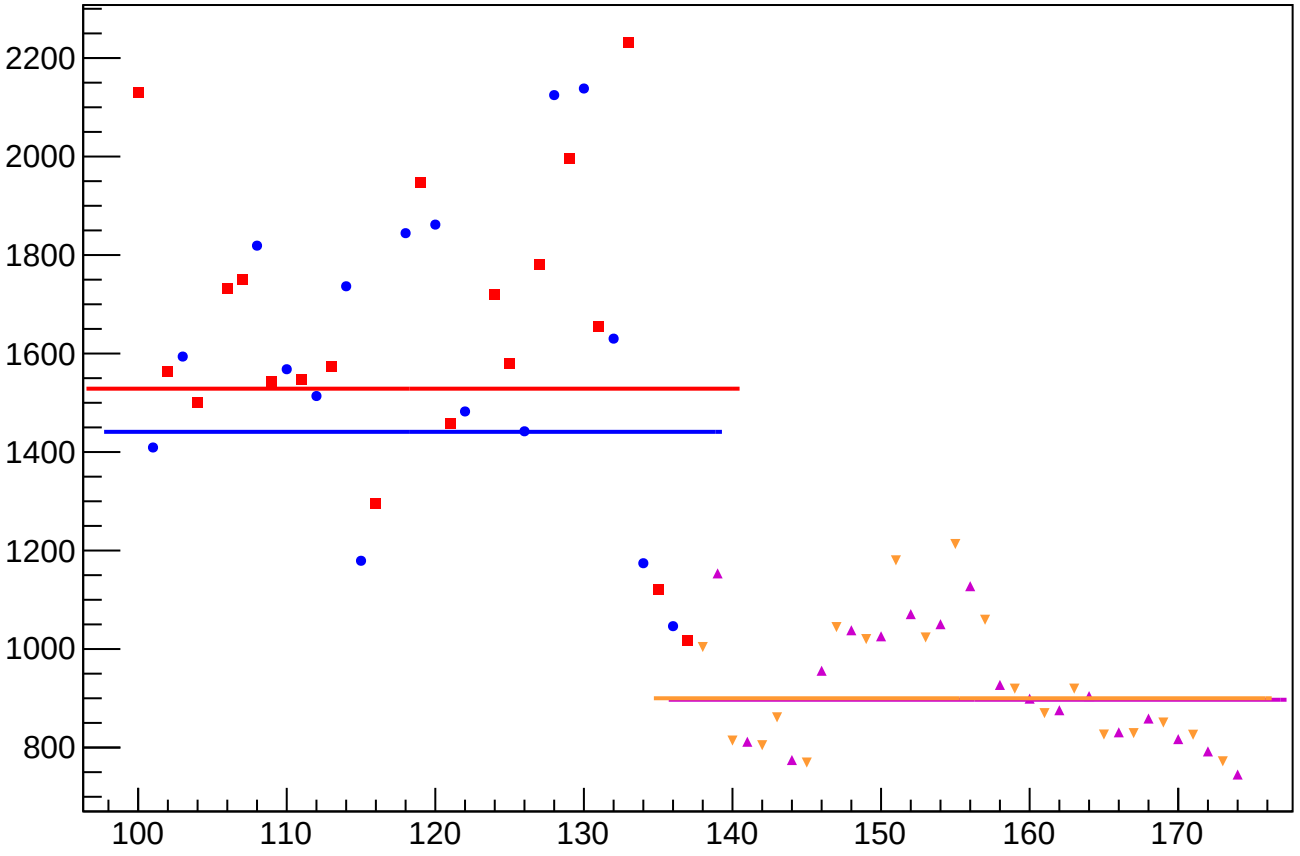
Left In: 152.888+/-235.002 χ^2/NDF:21.9/17

+ sign 1093.238+/-216.164 χ^2/NDF: 71.1/34

All: 676.480+/-153.245 χ^2/NDF: 114.2/71

- 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: 900.033+/-0.166 χ^2/NDF:501461.9/18

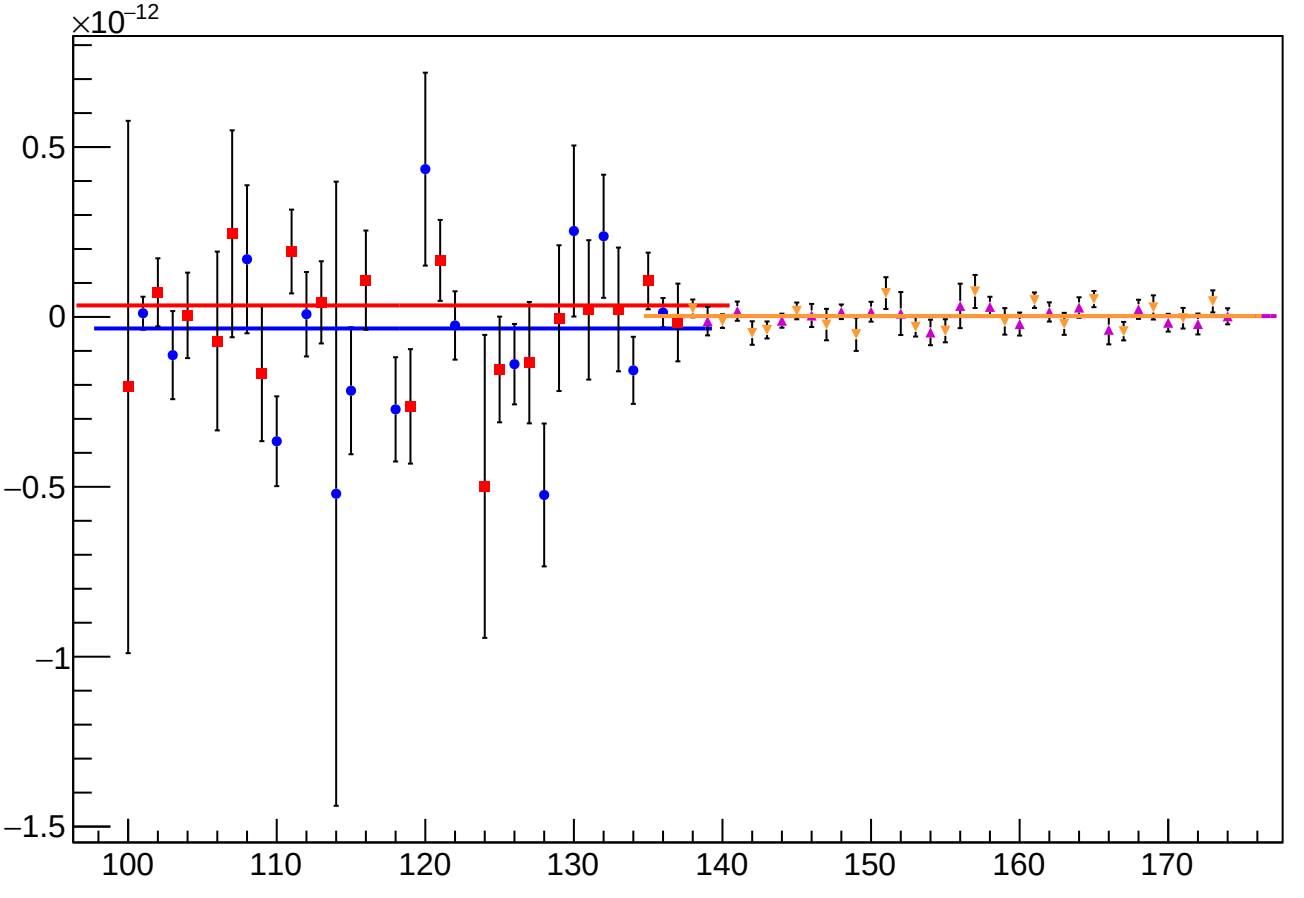
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 897.010+/-0.166 χ^2/NDF:492026.1/17

+ sign 983.077+/-0.153 χ^2/NDF: 2799878.3/34

All: 985.858+/-0.108 χ^2/NDF: 5890982.6/71

- 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:29.3/18

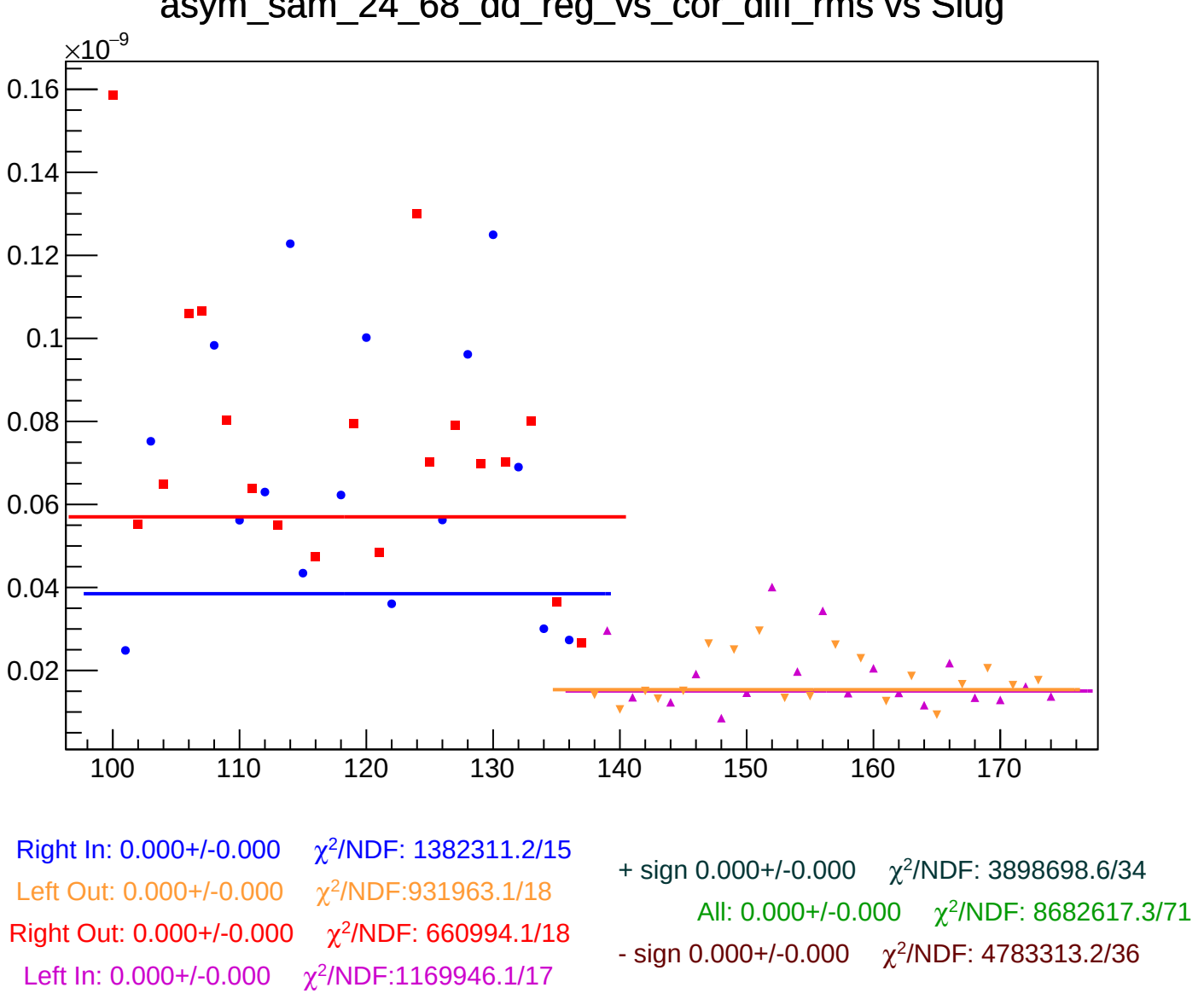
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

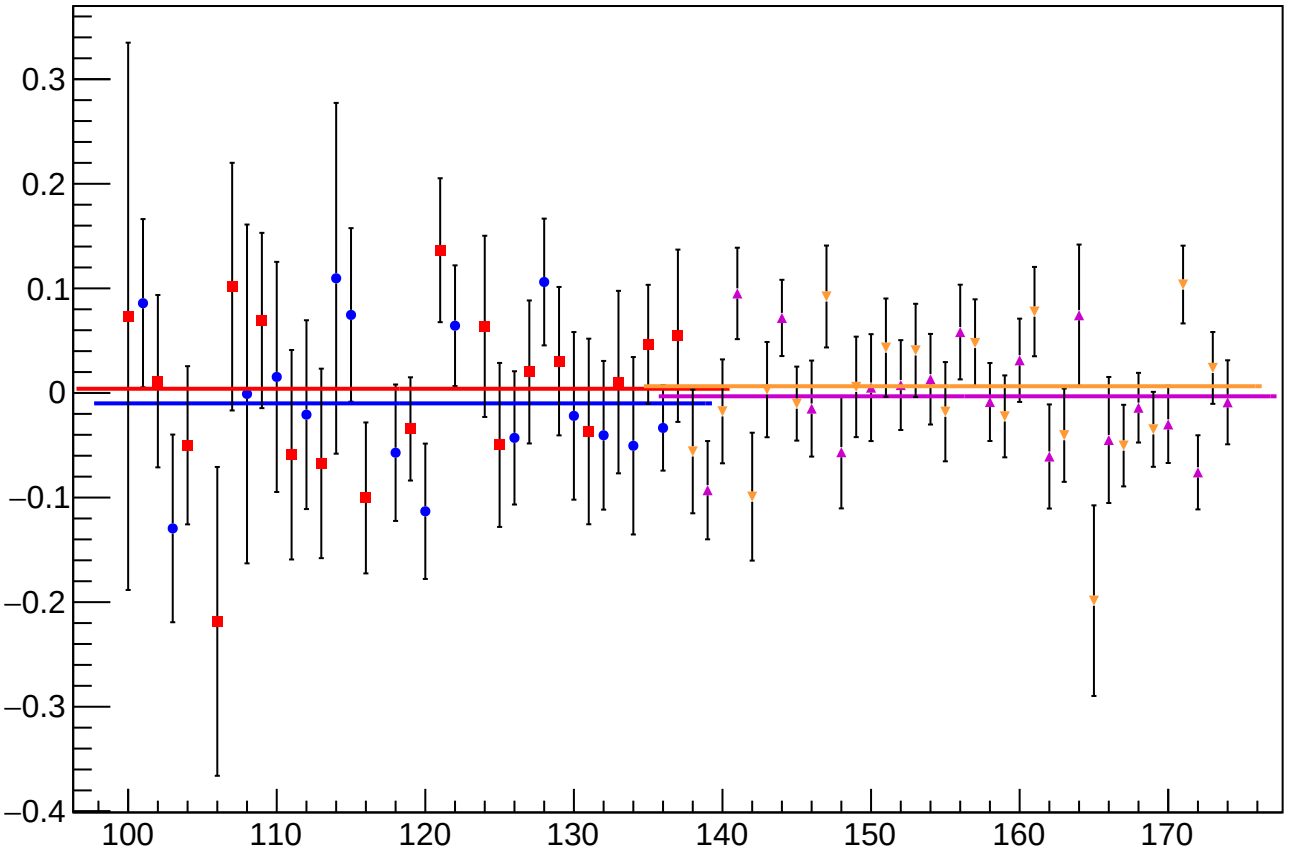
Left In: 0.000+/-0.000 χ^2/NDF:7.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 58.7/34

All: 0.000+/-0.000 χ^2/NDF: 80.6/71

- 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:931963.1/18
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: 3898698.6/34
All: 0.000+/-0.000 χ²/NDF: 8682617.3/71
- 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:30.1/18

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

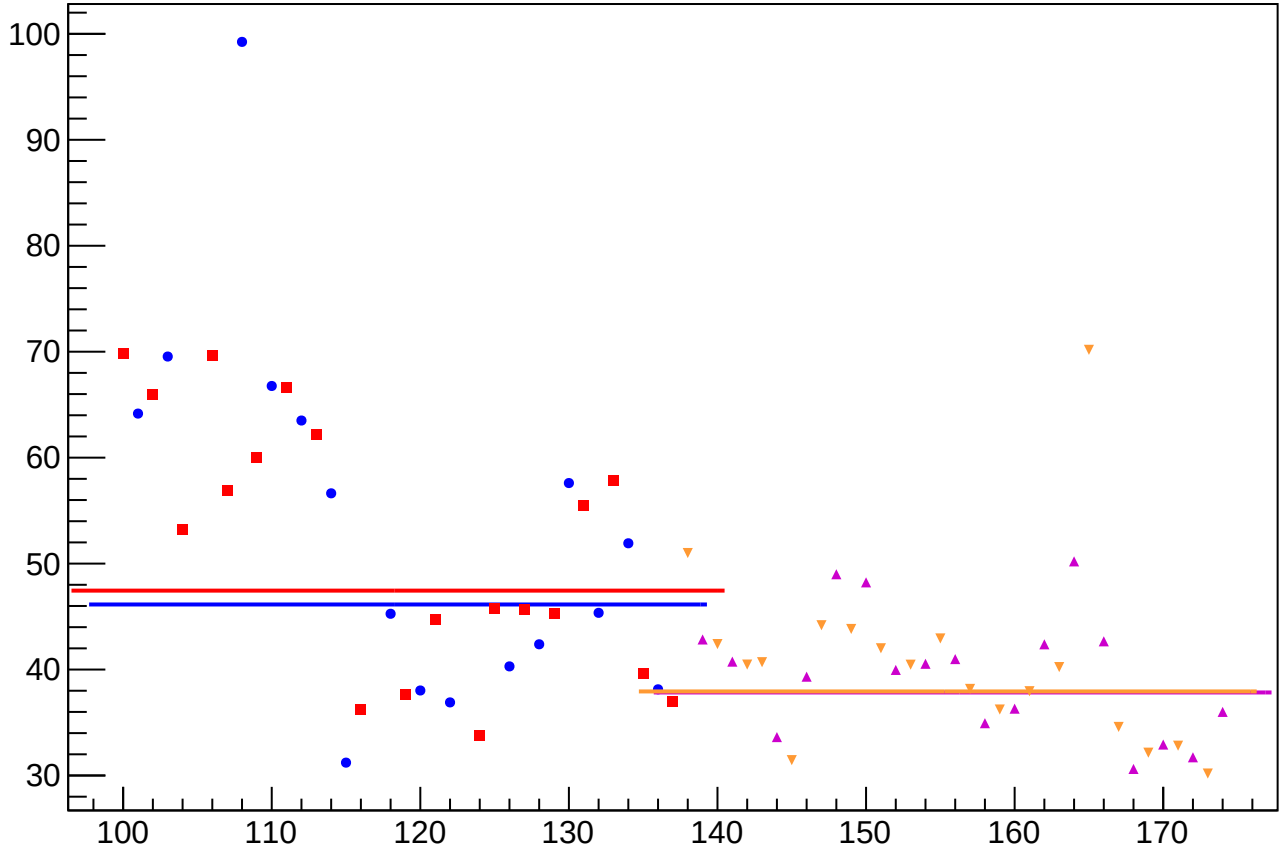
Left In: -0.003+/-0.010 χ^2/NDF:24.8/17

+ sign 0.003+/-0.009 χ^2/NDF: 45.0/34

All: 0.001+/-0.006 χ^2/NDF: 83.9/71

- 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: 37.934+/-0.007 χ^2/NDF:764586.2/18

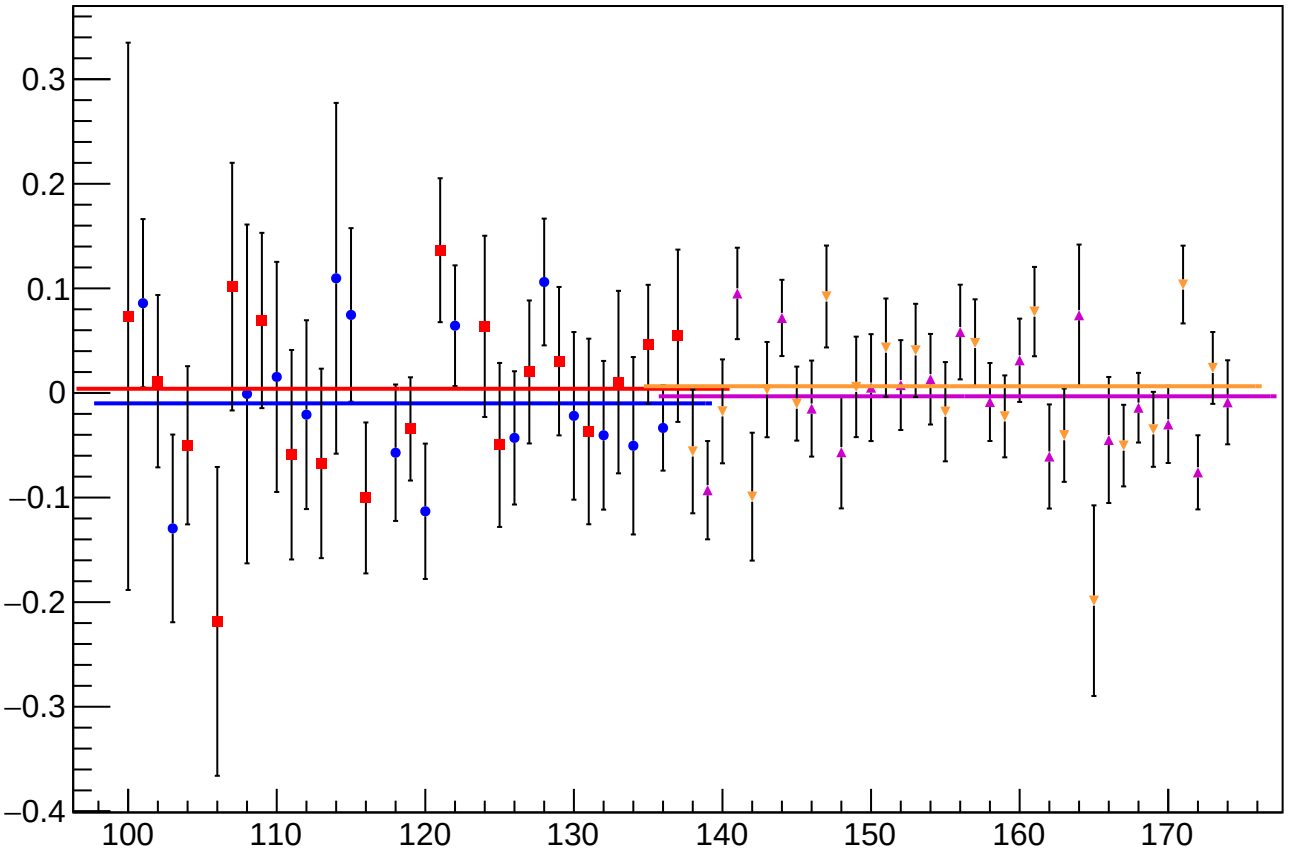
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 37.838+/-0.007 χ^2/NDF:556457.4/17

+ sign 39.886+/-0.006 χ^2/NDF: 1985015.8/34

All: 40.004+/-0.004 χ^2/NDF: 3627187.1/71

- 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:30.1/18

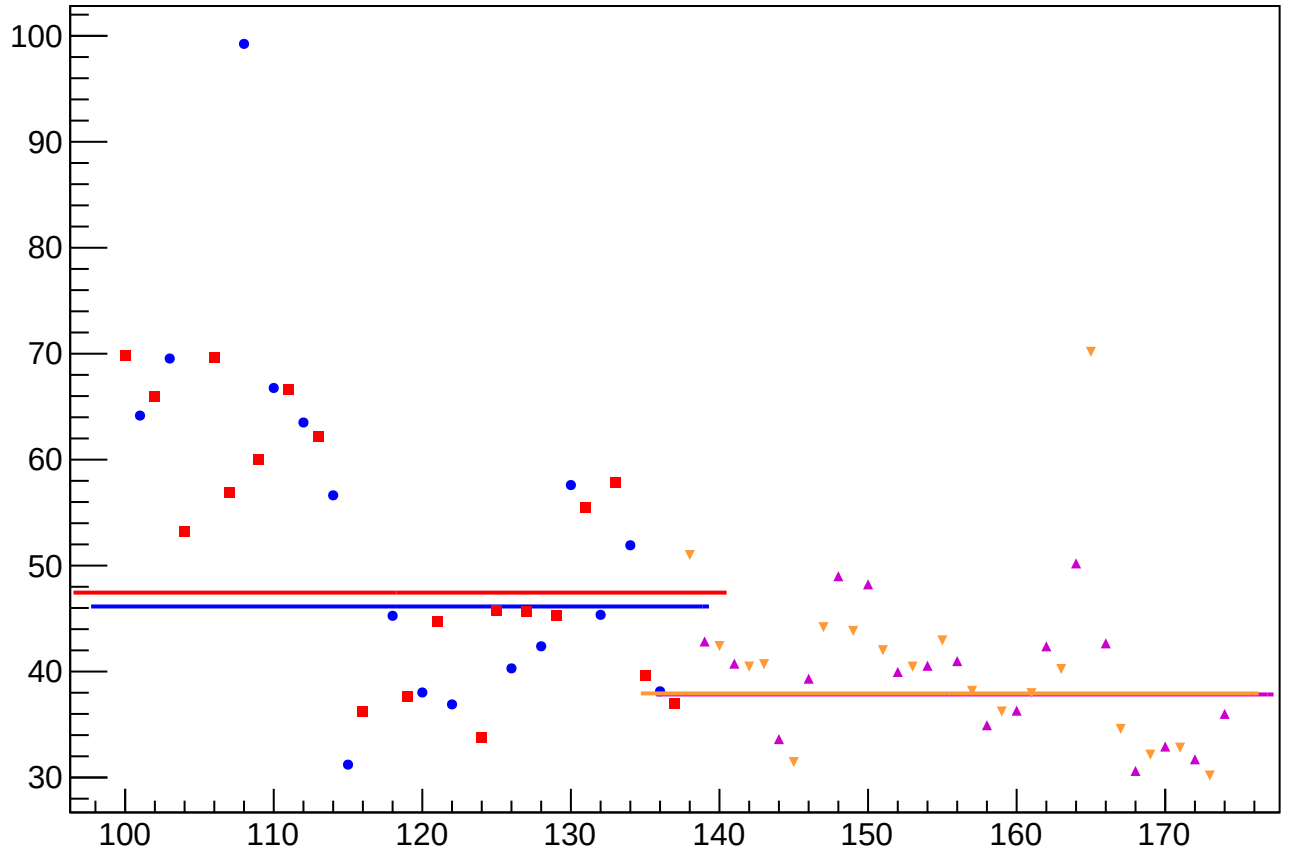
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.010 χ^2/NDF:24.8/17

+ sign 0.003+/-0.009 χ^2/NDF: 45.0/34

All: 0.001+/-0.006 χ^2/NDF: 83.9/71

- 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: 37.934+/-0.007 χ^2/NDF:764586.2/18

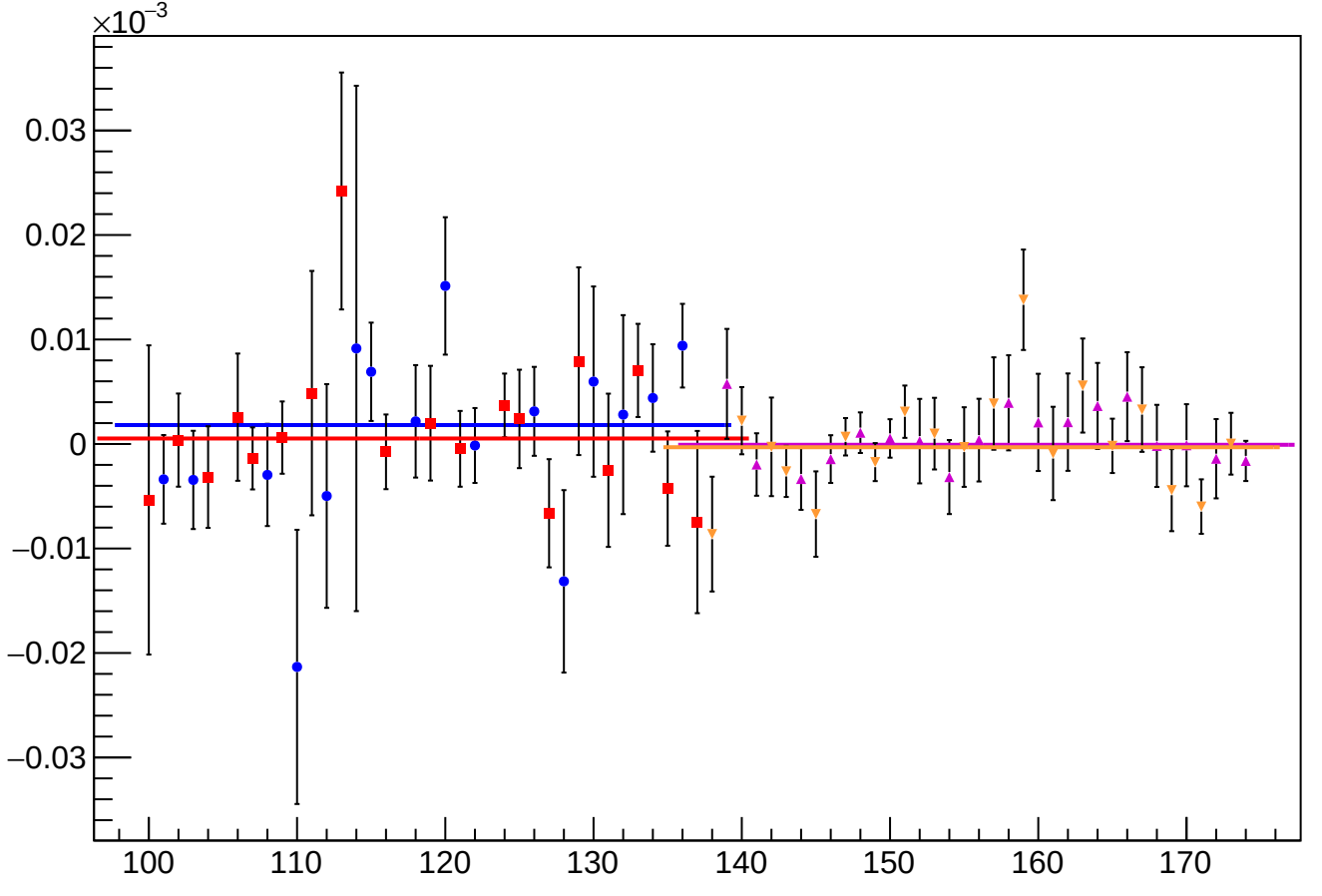
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 37.838+/-0.007 χ^2/NDF:556457.4/17

+ sign 39.886+/-0.006 χ^2/NDF: 1985015.8/34

All: 40.004+/-0.004 χ^2/NDF: 3627187.1/71

- 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:27.1/18

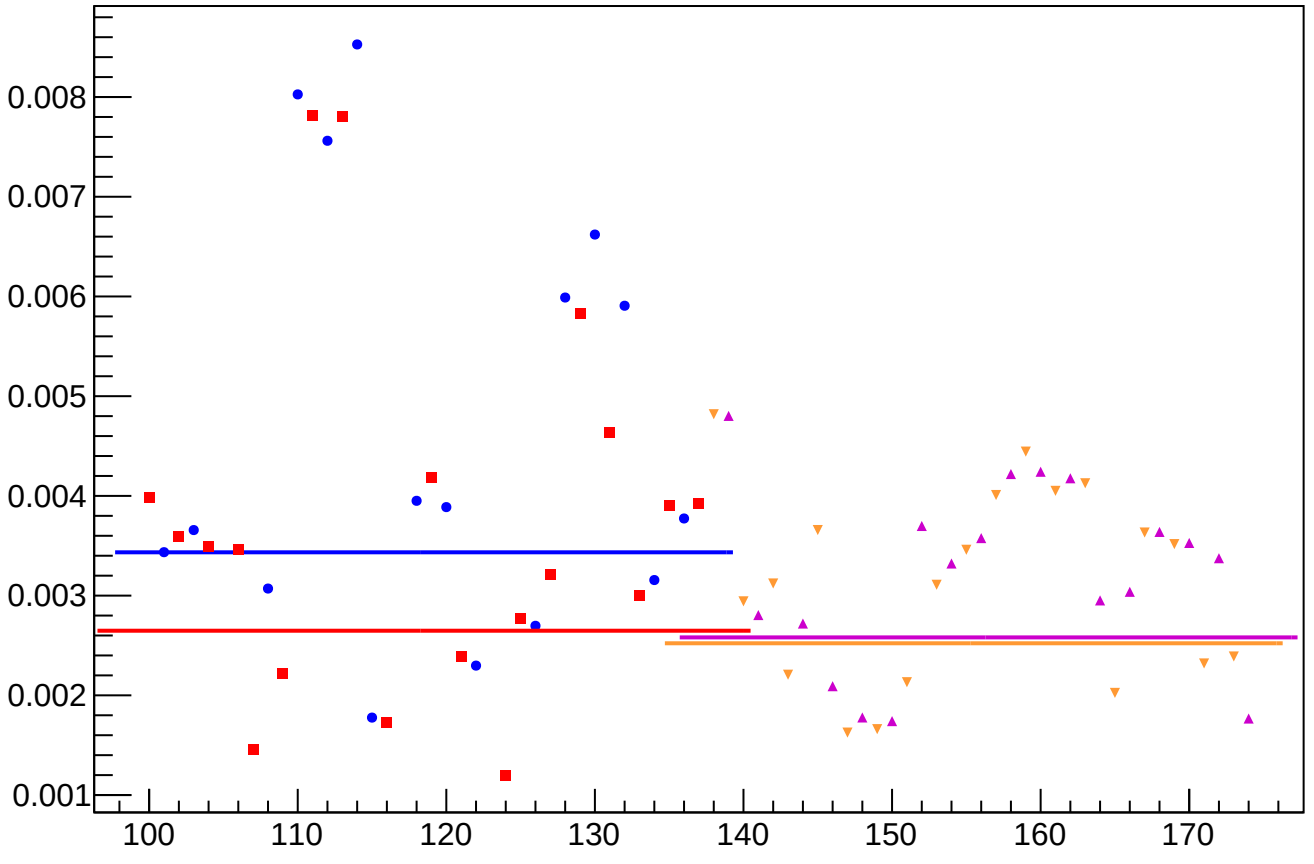
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 49.0/34

All: 0.000+/-0.000 χ^2/NDF: 71.4/71

- 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:3185111.1/18

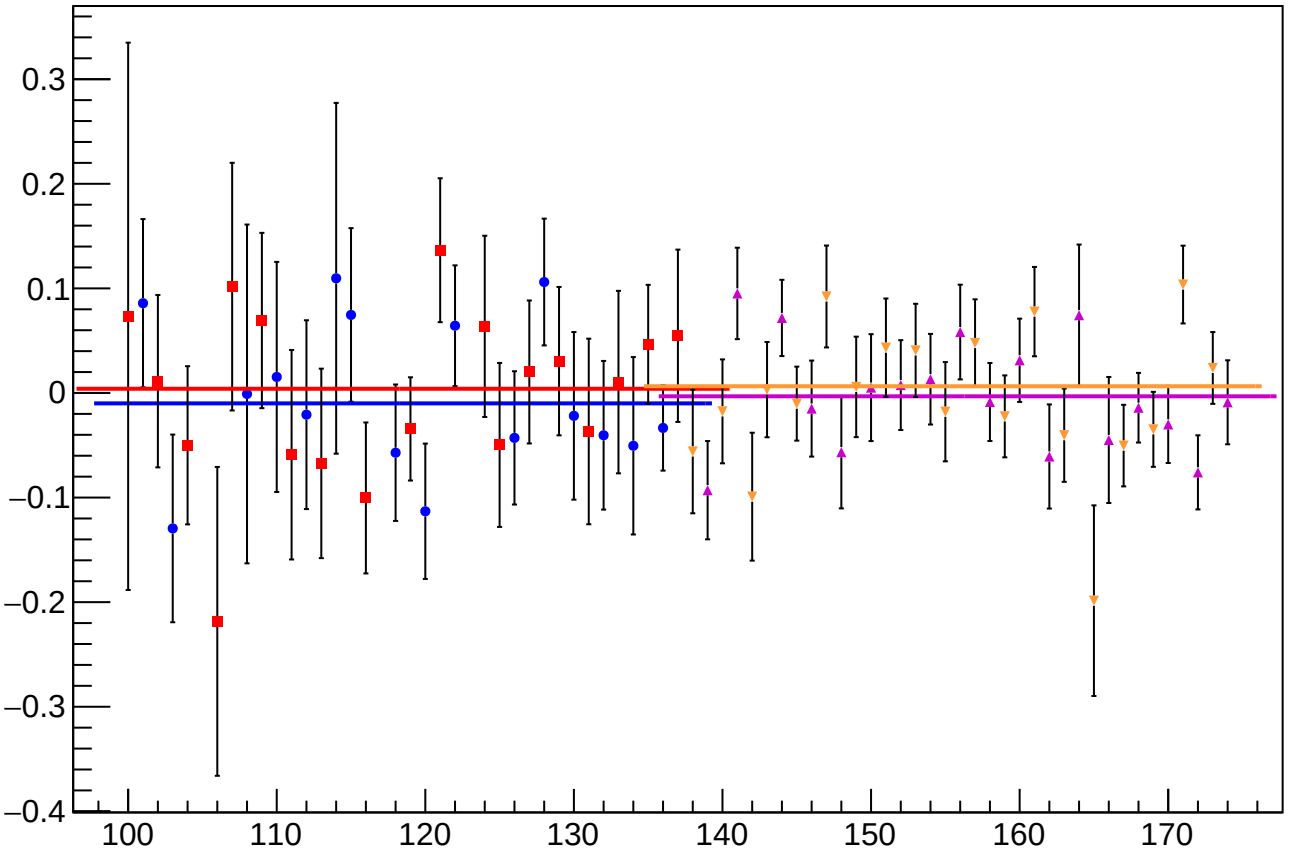
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3083547.3/17

+ sign 0.003+/-0.000 χ^2/NDF: 5636317.3/34

All: 0.003+/-0.000 χ^2/NDF: 11453174.2/71

- 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:30.1/18

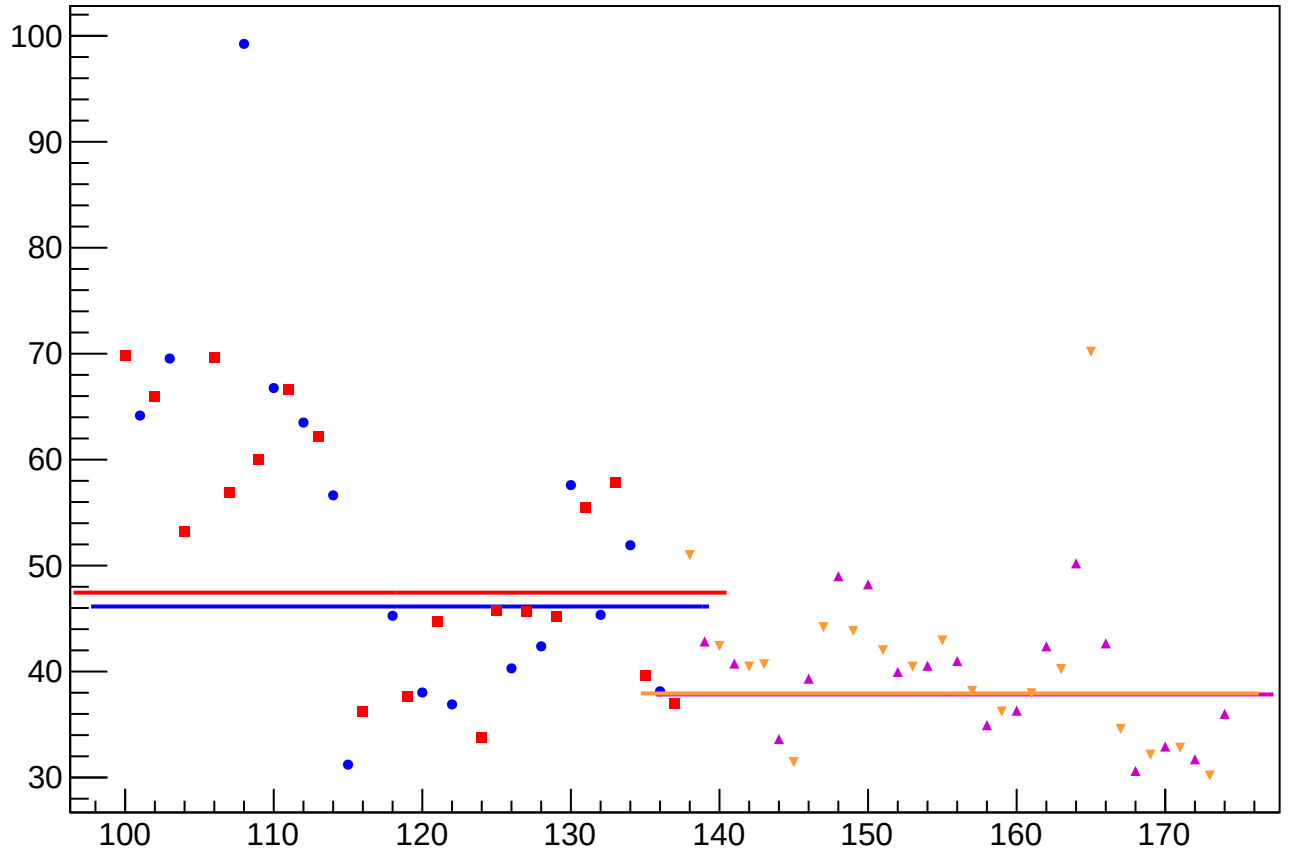
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.010 χ^2/NDF:24.8/17

+ sign 0.003+/-0.009 χ^2/NDF: 45.0/34

All: 0.001+/-0.006 χ^2/NDF: 83.9/71

- 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: 37.934+/-0.007 χ^2/NDF:764609.1/18

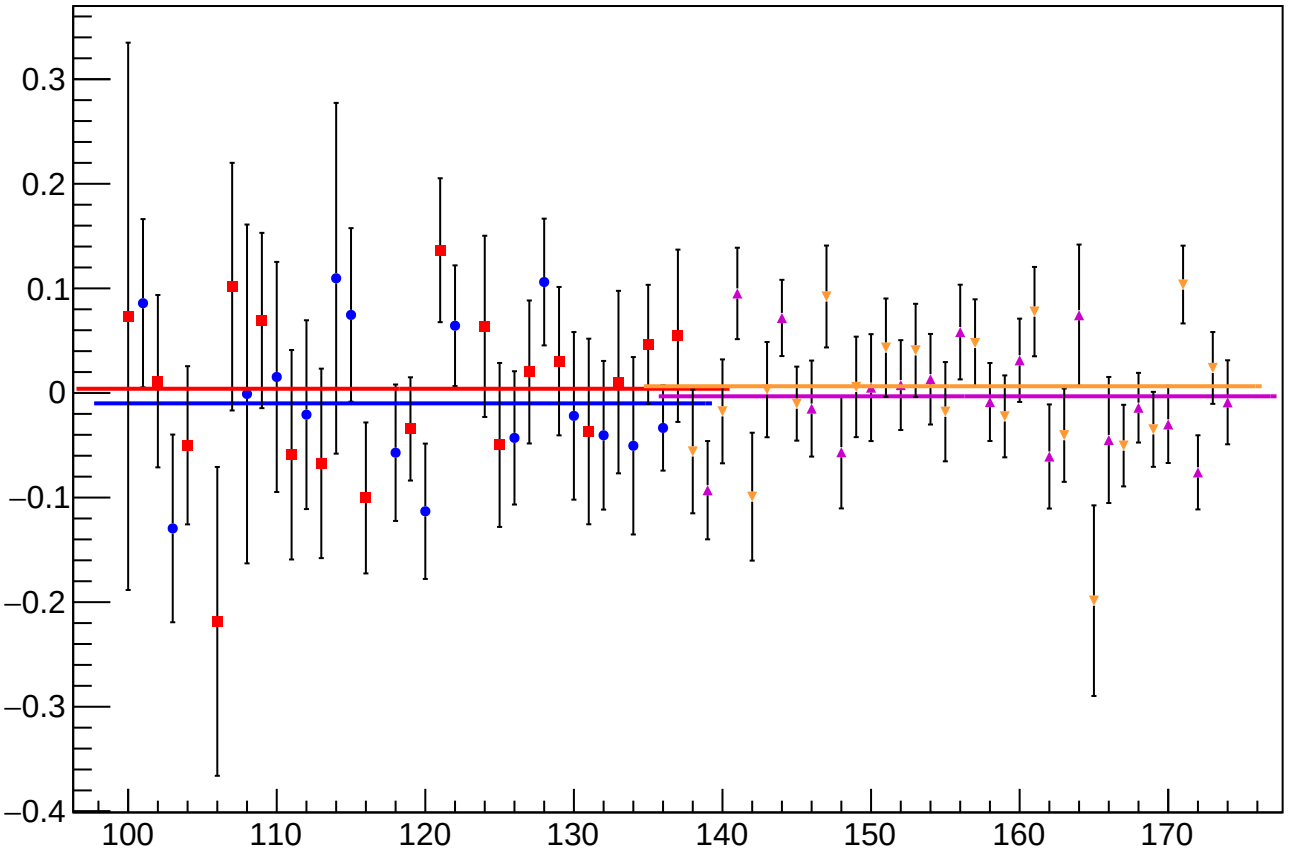
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 37.837+/-0.007 χ^2/NDF:556506.3/17

+ sign 39.886+/-0.006 χ^2/NDF: 1984895.7/34

All: 40.003+/-0.004 χ^2/NDF: 3627034.1/71

- 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:30.1/18

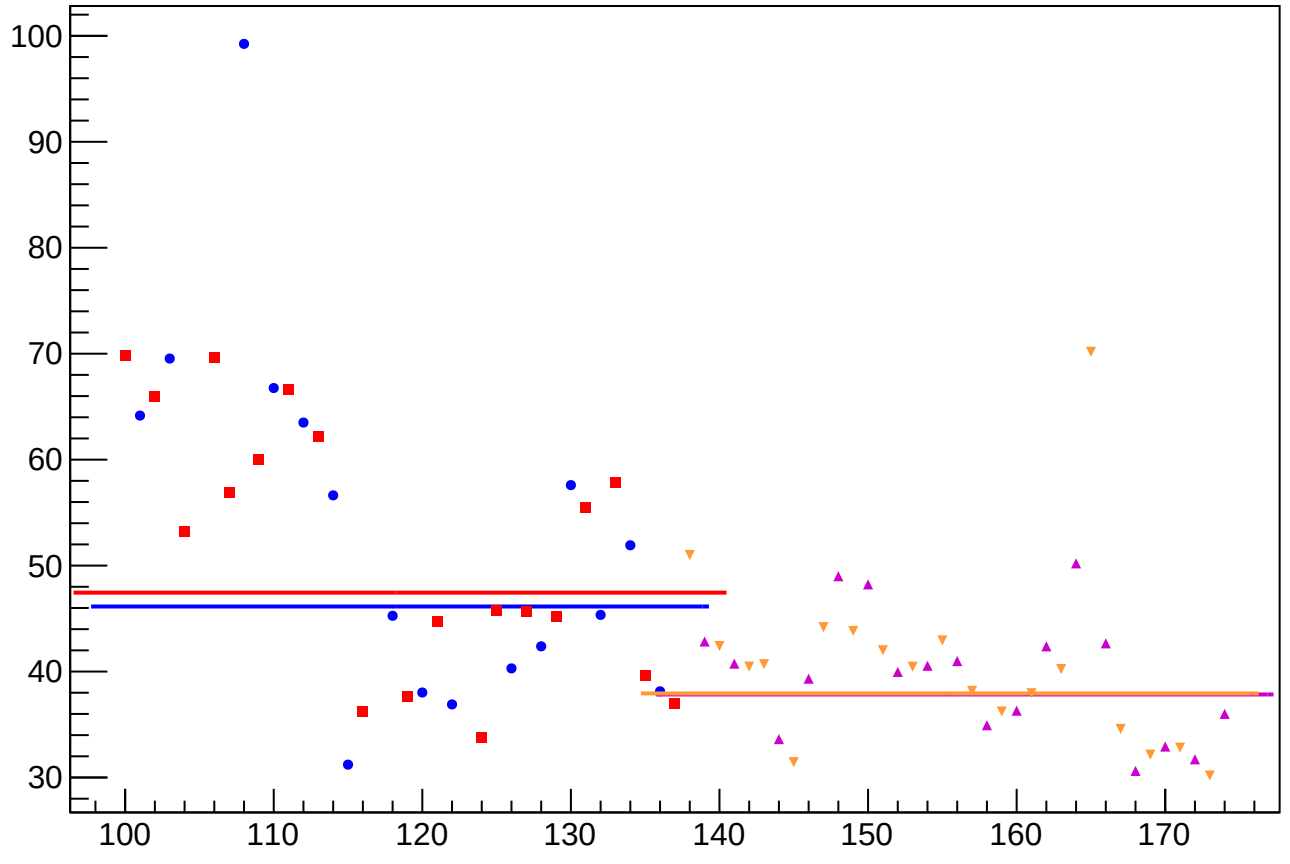
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.010 χ^2/NDF:24.8/17

+ sign 0.003+/-0.009 χ^2/NDF: 45.0/34

All: 0.001+/-0.006 χ^2/NDF: 83.9/71

- 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: 37.934+/-0.007 χ^2/NDF:764609.1/18

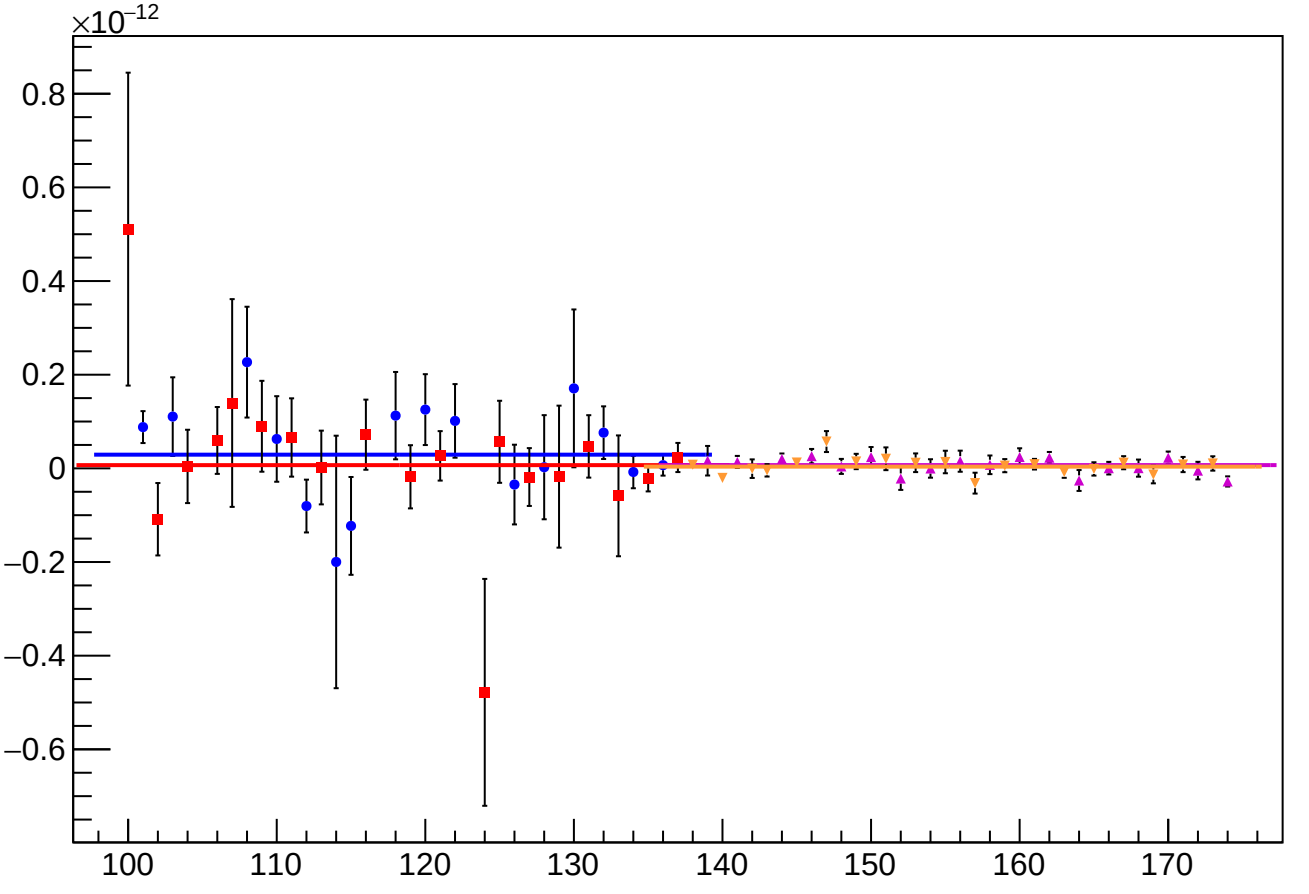
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 37.837+/-0.007 χ^2/NDF:556506.3/17

+ sign 39.886+/-0.006 χ^2/NDF: 1984895.7/34

All: 40.003+/-0.004 χ^2/NDF: 3627034.1/71

- 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:18.7/18

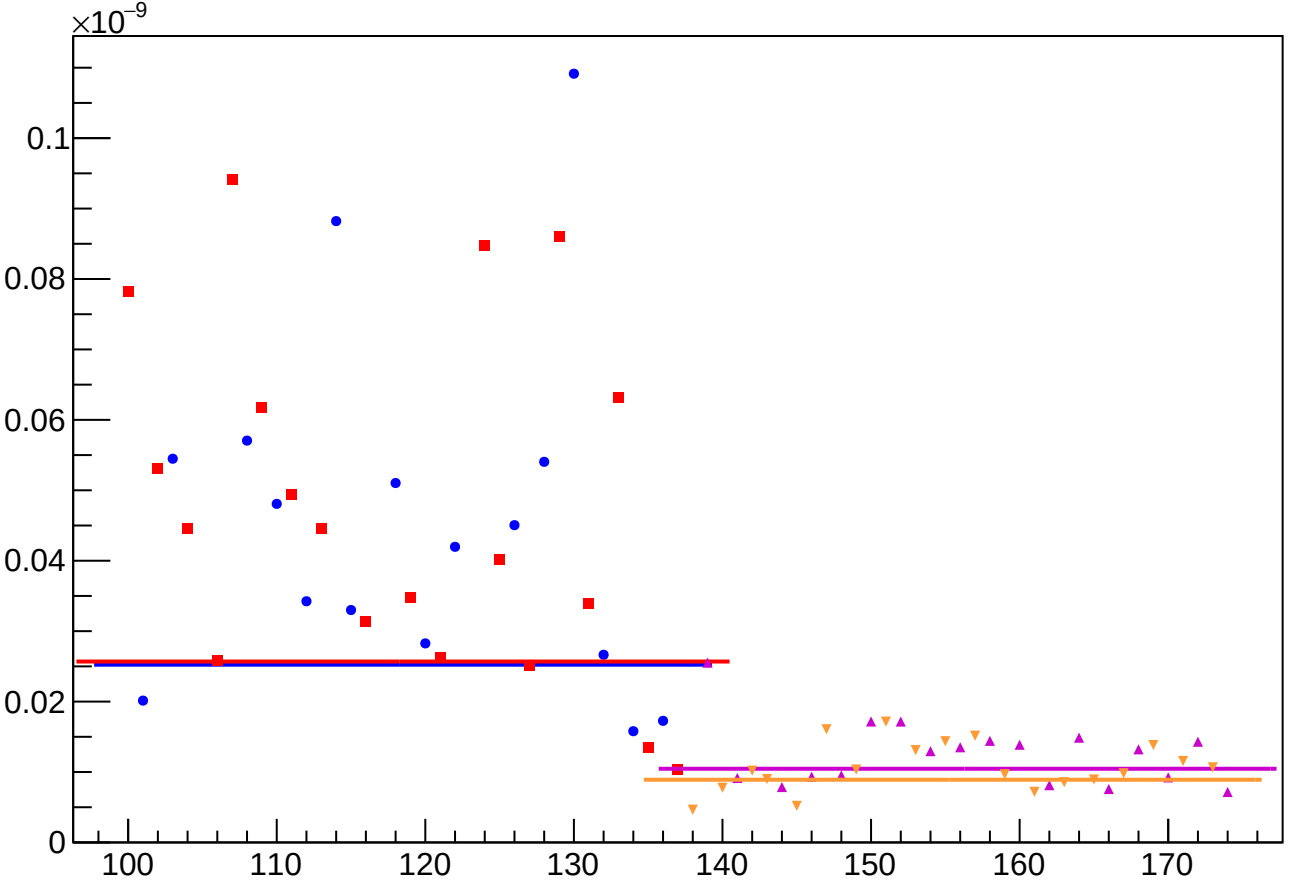
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:22.7/17

+ sign 0.000+/-0.000 χ^2/NDF: 43.0/34

All: 0.000+/-0.000 χ^2/NDF: 80.1/71

- 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:1791851.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

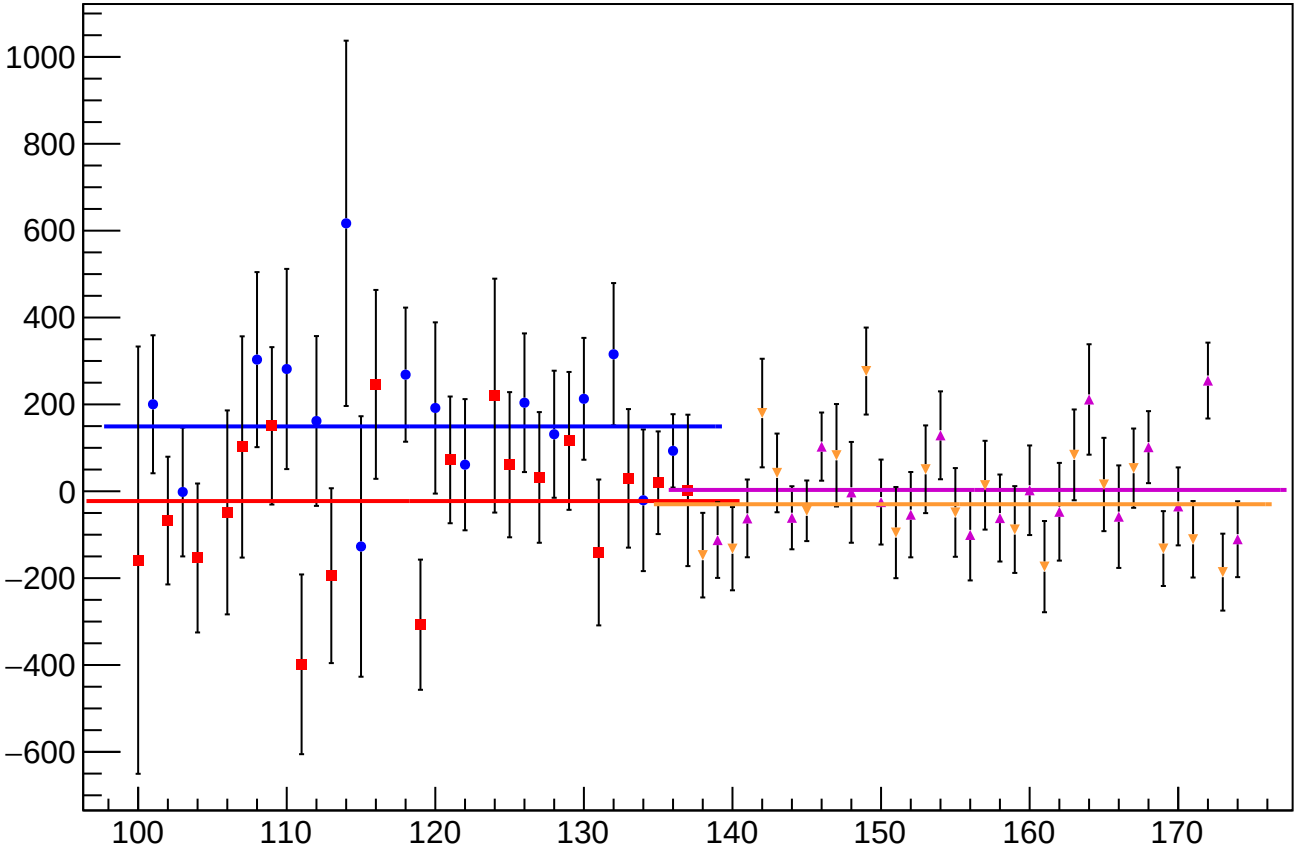
Left In: 0.000+/-0.000 χ^2/NDF:1726954.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 6667546.3/34

All: 0.000+/-0.000 χ^2/NDF: 13519641.5/71

- 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: -29.834+/-22.153 χ^2/NDF:27.4/18

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

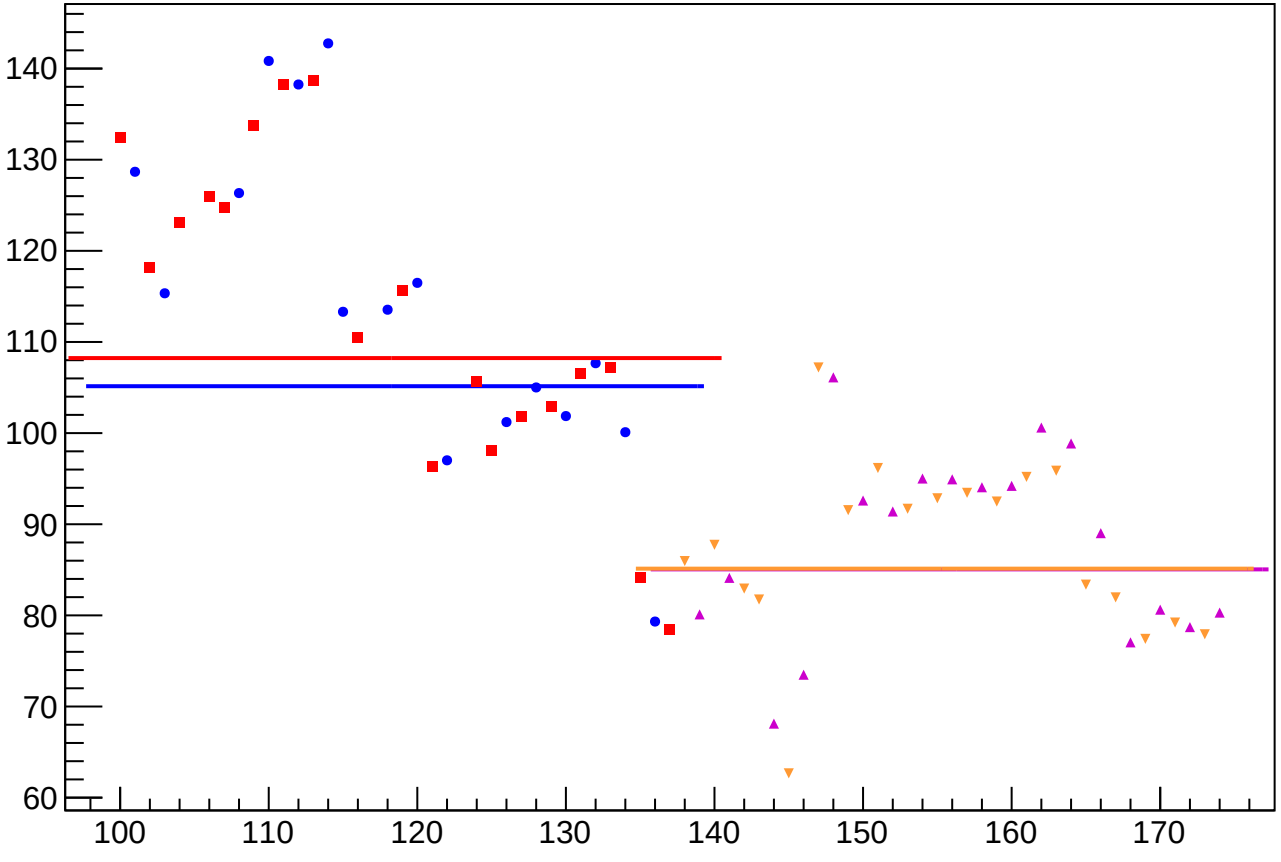
Left In: 3.082+/-22.263 χ^2/NDF:22.8/17

+ sign 12.721+/-19.343 χ^2/NDF: 50.9/34

All: 4.931+/-13.721 χ^2/NDF: 88.6/71

- 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: 85.127+/-0.016 χ^2/NDF:437489.0/18

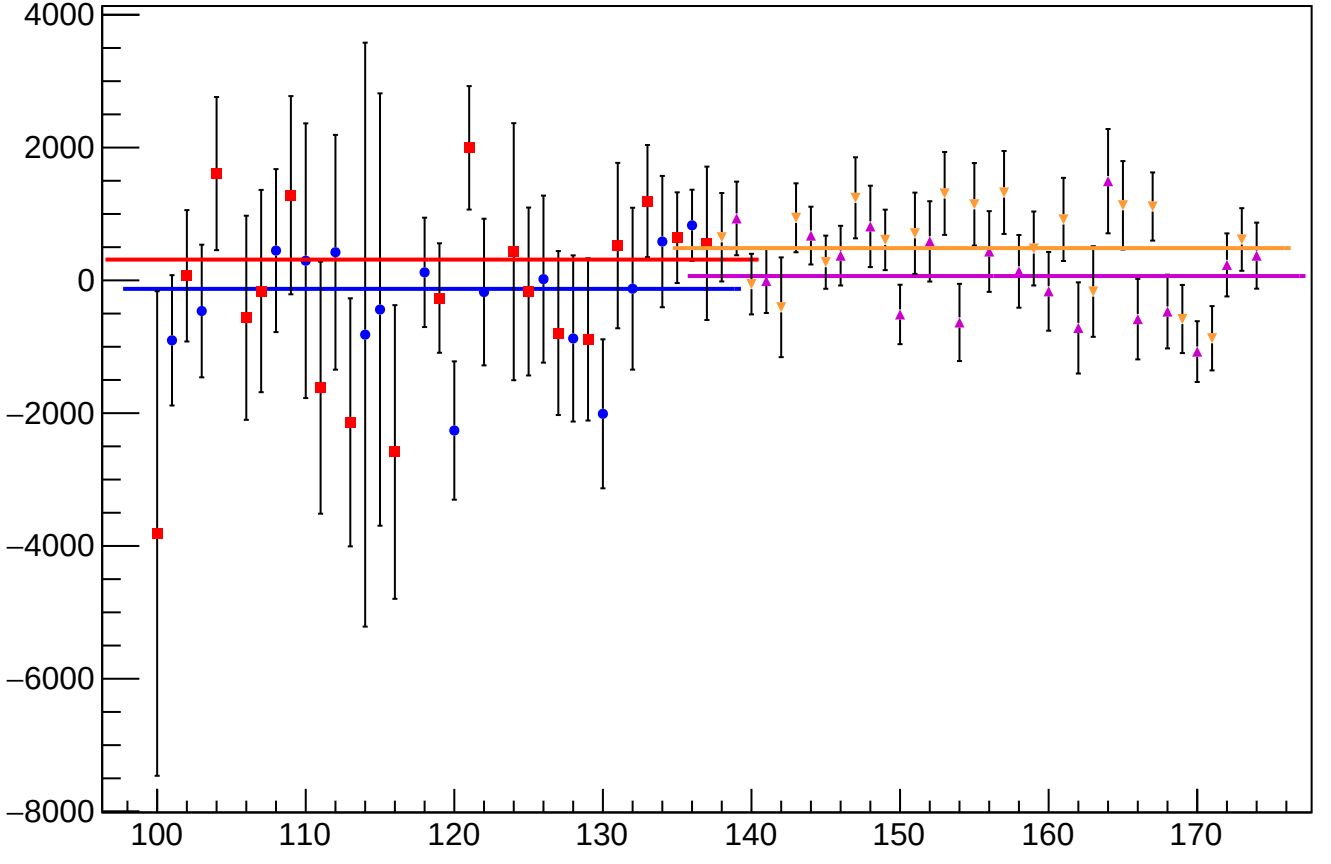
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 85.046+/-0.016 χ^2/NDF:418120.6/17

+ sign 89.883+/-0.014 χ^2/NDF: 1233890.1/34

All: 90.194+/-0.010 χ^2/NDF: 2514094.5/71

- 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: 485.895+/-125.765 χ^2/NDF:26.4/18

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

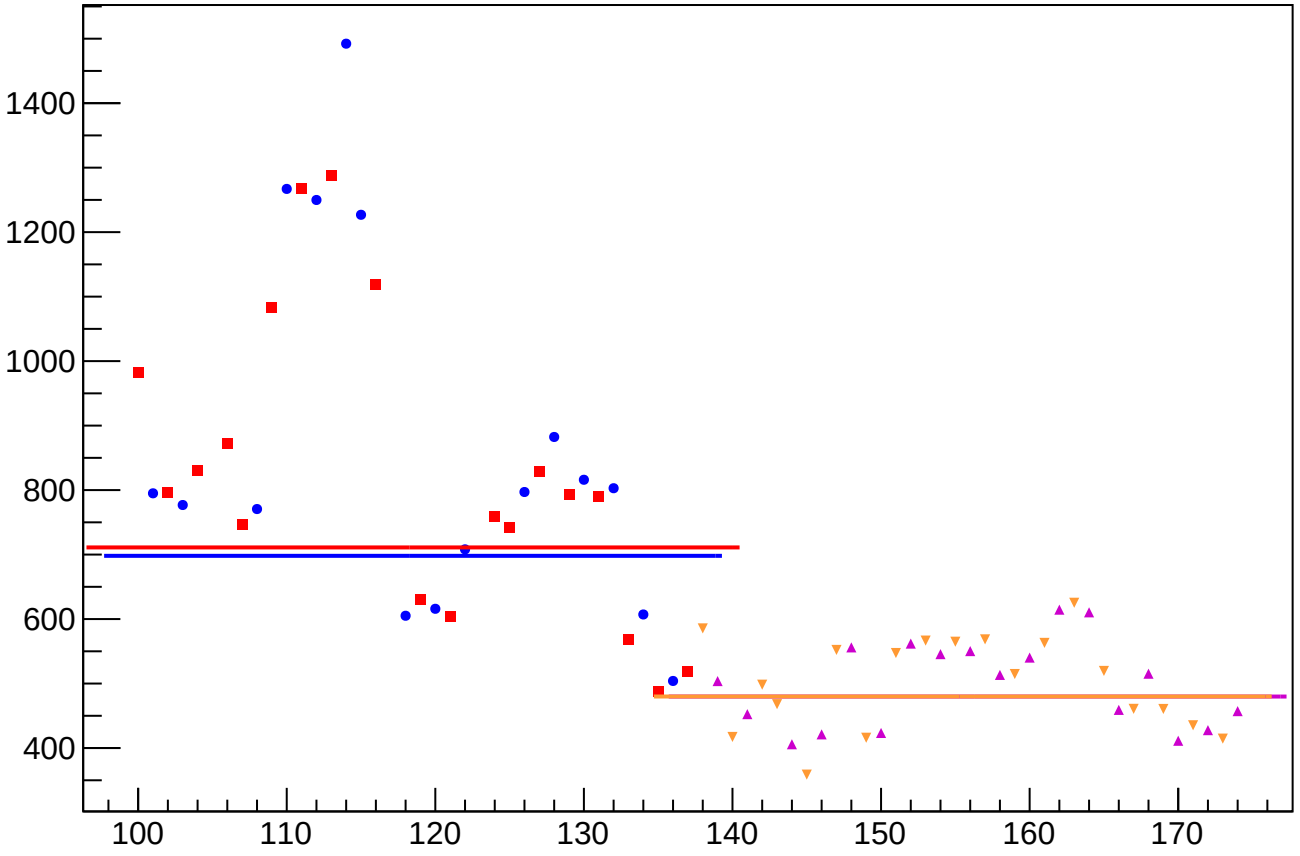
Left In: 65.137+/-126.001 χ^2/NDF:24.1/17

+ sign 375.506+/-113.899 χ^2/NDF: 43.0/34

All: 242.809+/-80.641 χ^2/NDF: 85.6/71

- sign 109.434+/-114.190 χ^2/NDF: 39.8/36

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 479.906+/-0.089 χ^2/NDF:683560.8/18

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

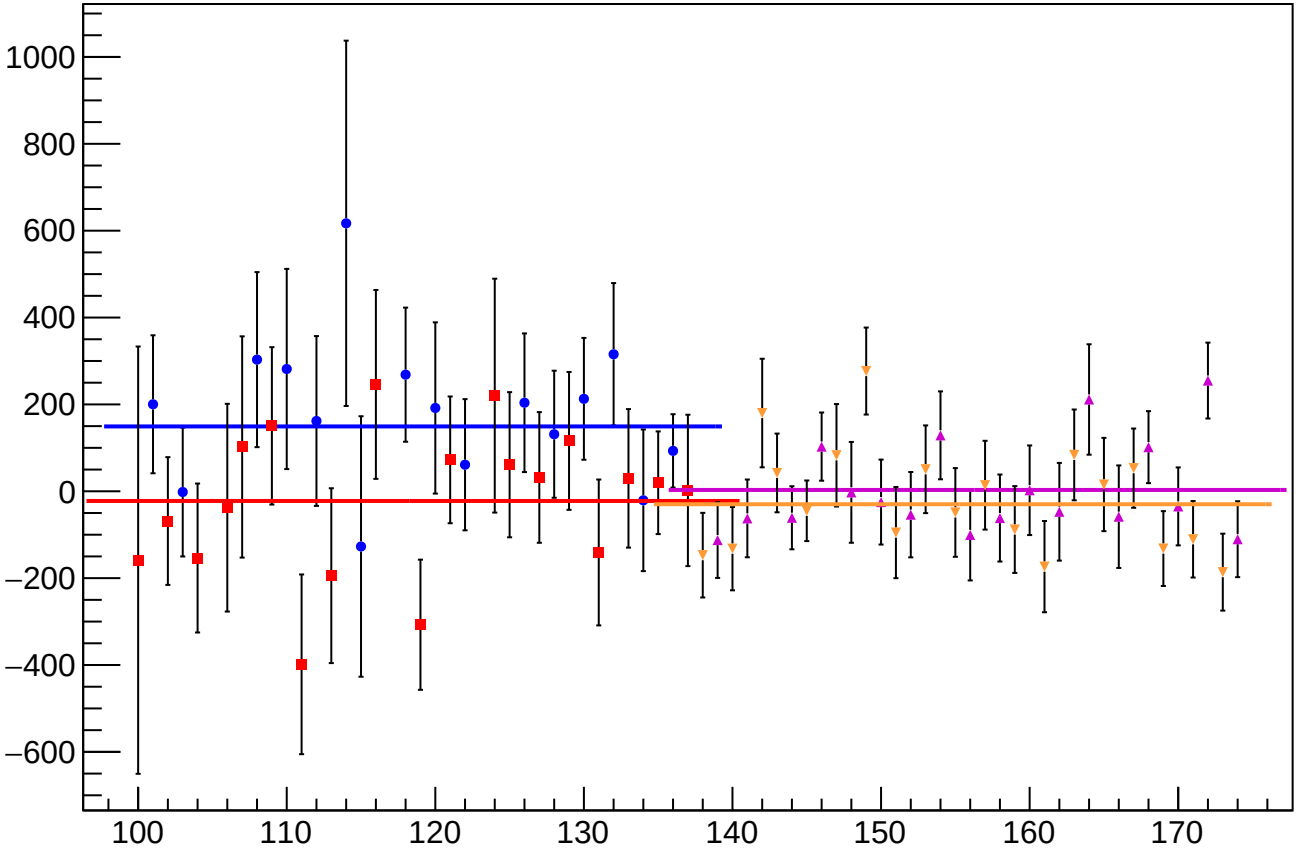
Left In: 479.847+/-0.089 χ^2/NDF:498249.6/17

+ sign 519.129+/-0.081 χ^2/NDF: 2678361.8/34

All: 520.146+/-0.057 χ^2/NDF: 5415738.3/71

- 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: -29.835+/-22.153 χ^2/NDF:27.4/18

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

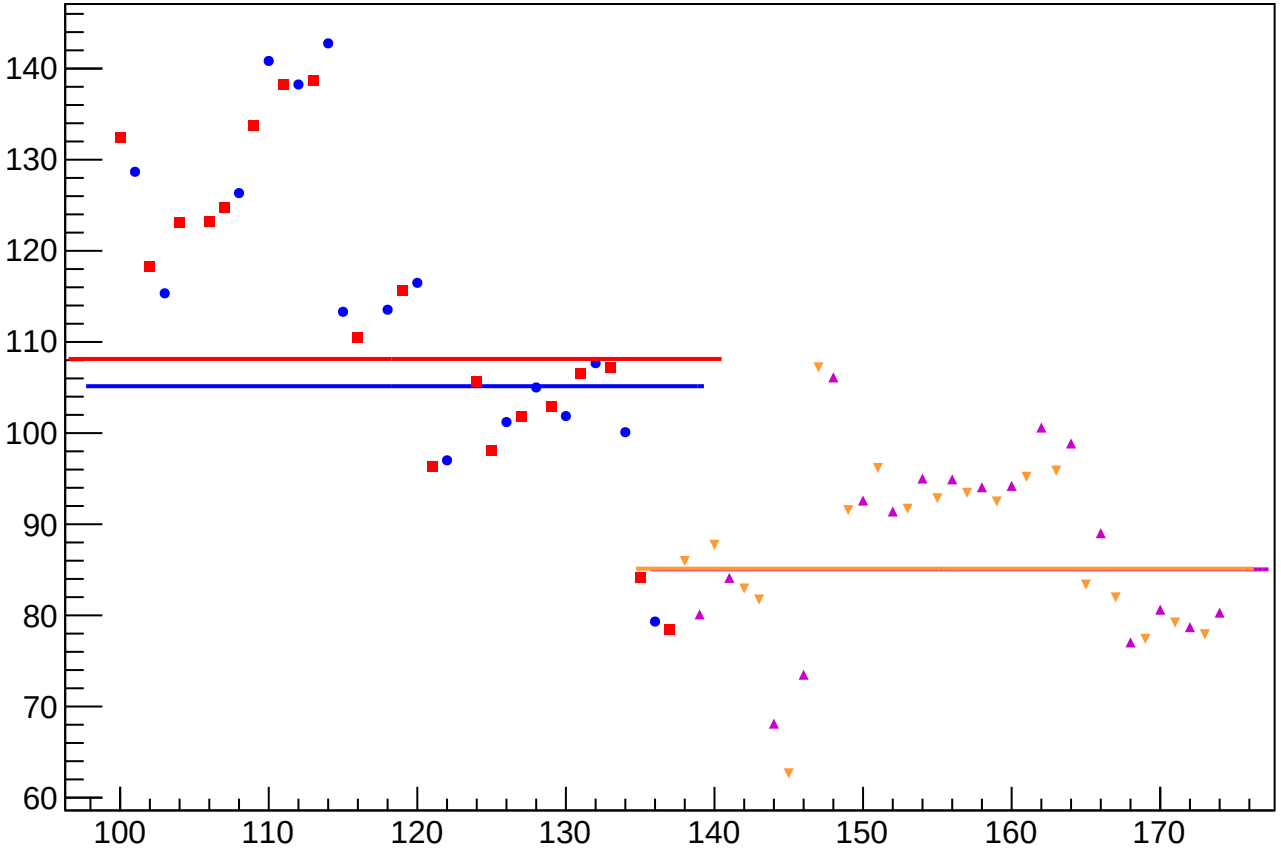
Left In: 3.082+/-22.263 χ^2/NDF:22.8/17

+ sign 12.718+/-19.343 χ^2/NDF: 50.9/34

All: 4.962+/-13.721 χ^2/NDF: 88.5/71

- 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: 85.127+/-0.016 χ^2/NDF:437489.0/18

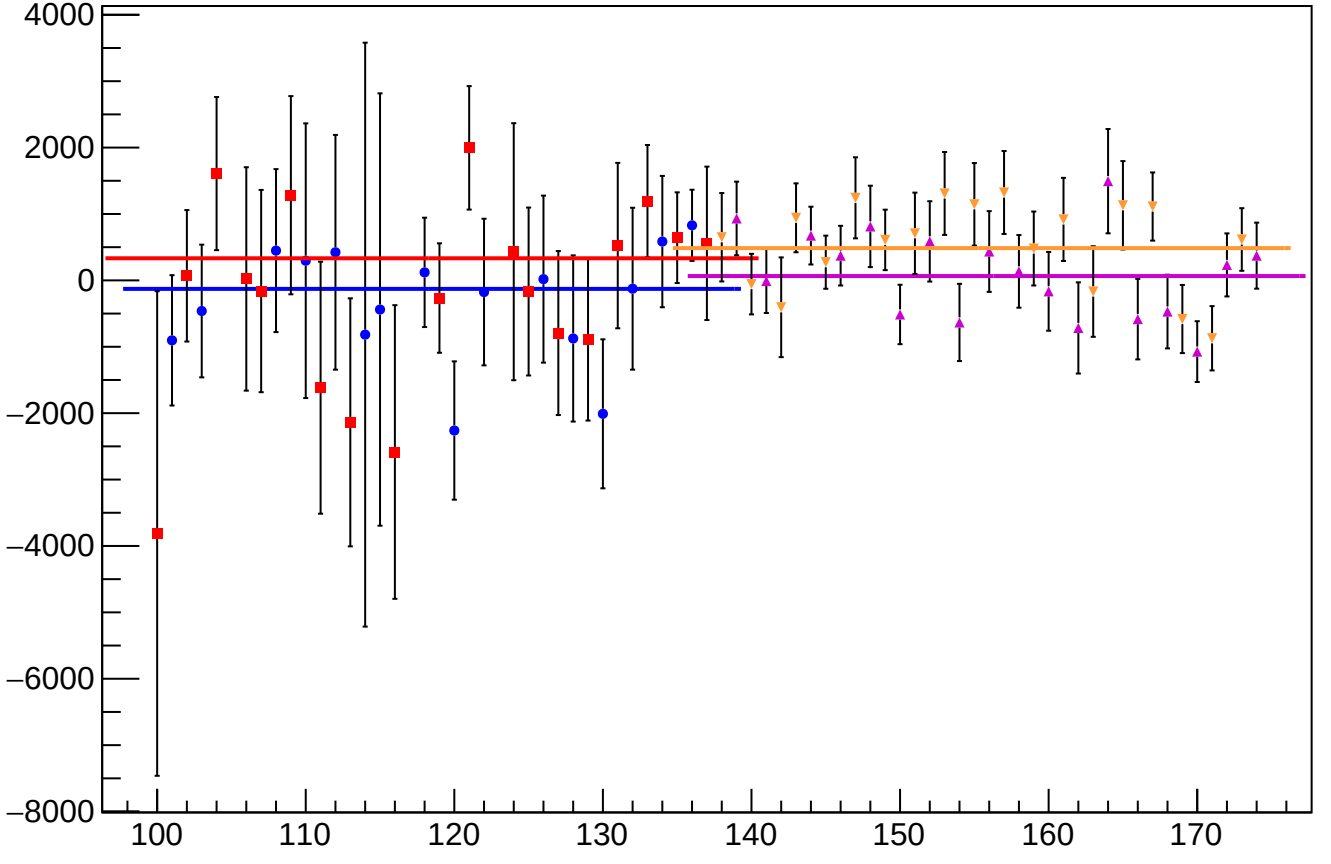
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.046+/-0.016 χ^2/NDF:418120.6/17

+ sign 89.883+/-0.014 χ^2/NDF: 1233890.5/34

All: 90.181+/-0.010 χ^2/NDF: 2505724.5/71

- 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: 485.897+/-125.765 χ^2/NDF:26.4/18

Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

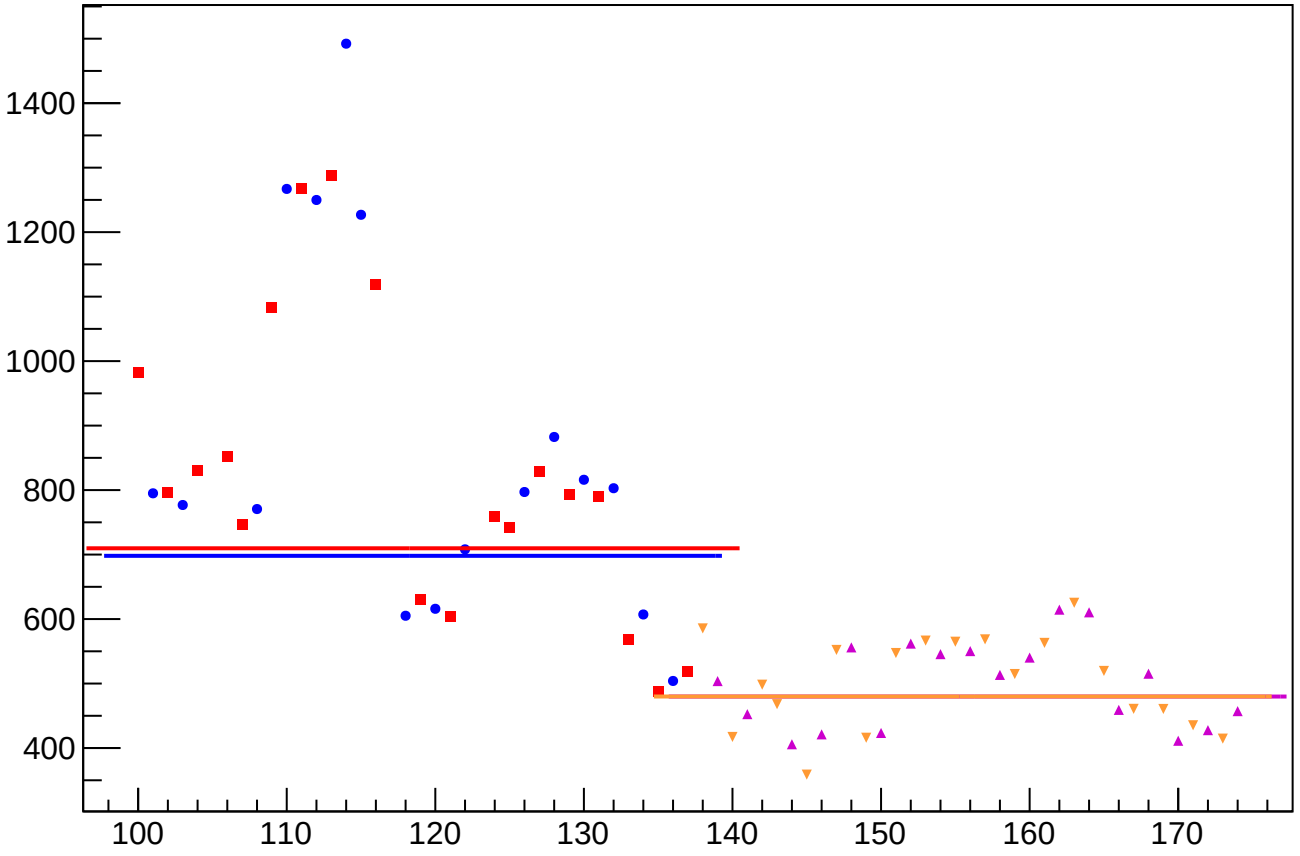
Left In: 65.137+/-126.001 χ^2/NDF:24.1/17

+ sign 375.509+/-113.899 χ^2/NDF: 43.0/34

All: 244.519+/-80.660 χ^2/NDF: 85.3/71

- 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: 479.906+/-0.089 χ^2/NDF:683559.0/18

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

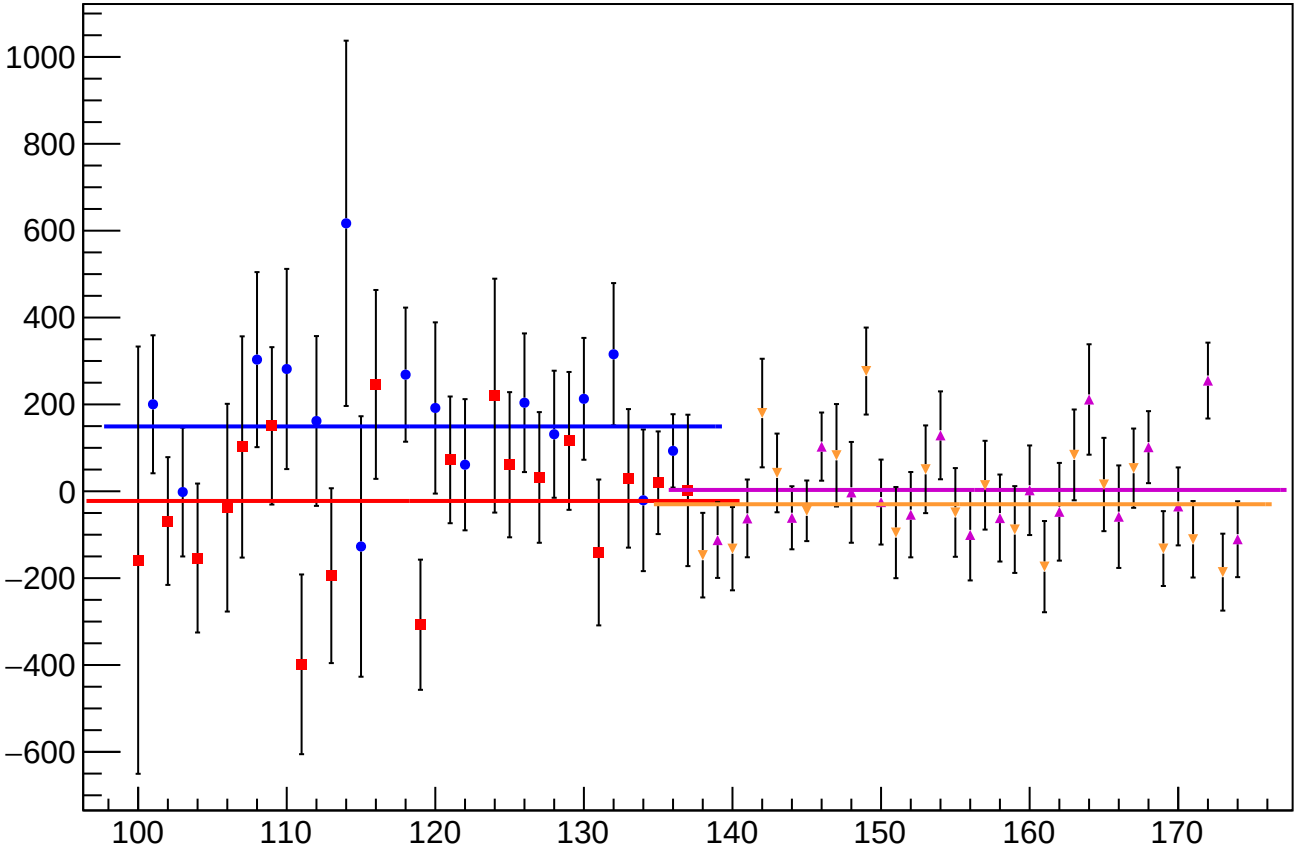
Left In: 479.847+/-0.089 χ^2/NDF:498252.5/17

+ sign 519.129+/-0.081 χ^2/NDF: 2678370.7/34

All: 519.939+/-0.057 χ^2/NDF: 5388645.1/71

- 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: -29.835+/-22.153 χ^2/NDF:27.4/18

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

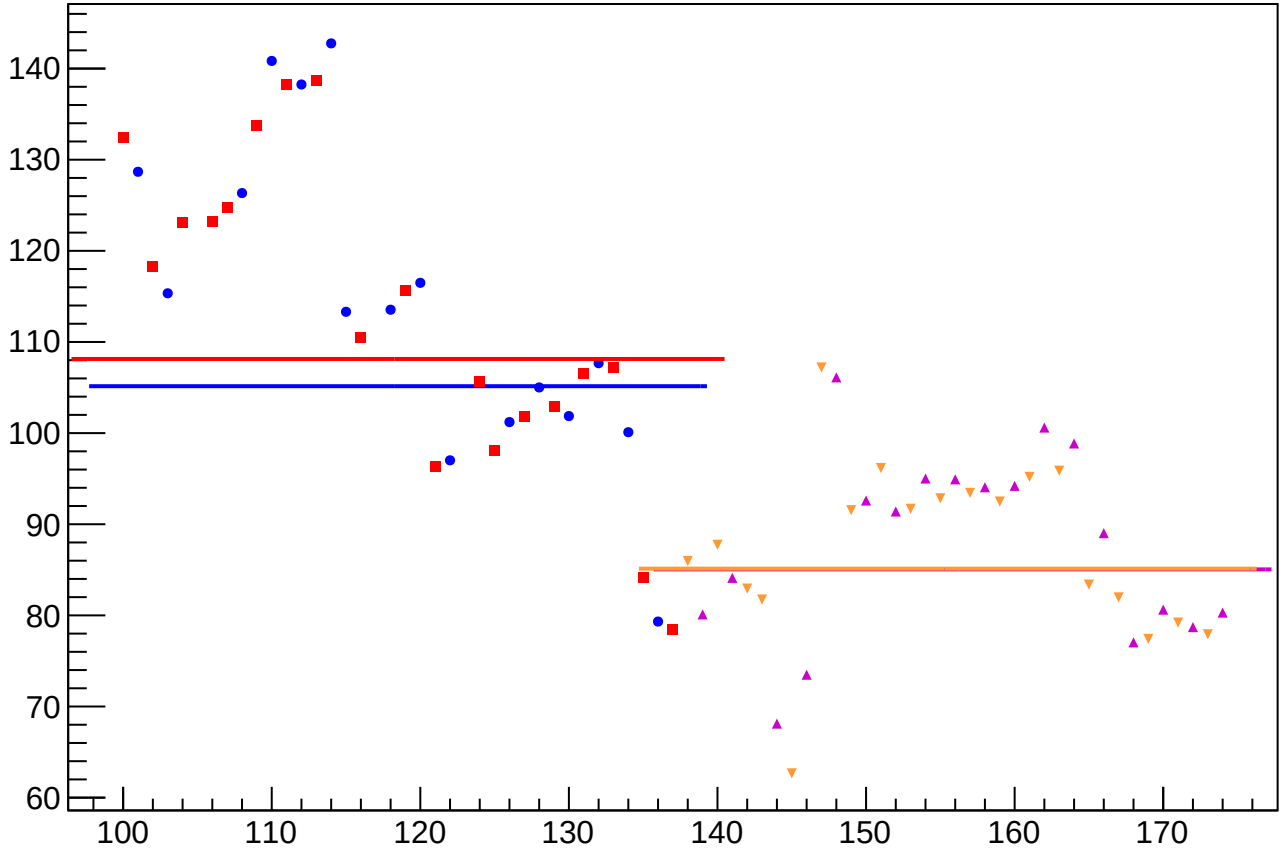
Left In: 3.082+/-22.263 χ^2/NDF:22.8/17

+ sign 12.718+/-19.343 χ^2/NDF: 50.9/34

All: 4.962+/-13.721 χ^2/NDF: 88.5/71

- 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: 85.127+/-0.016 χ^2/NDF:437489.0/18

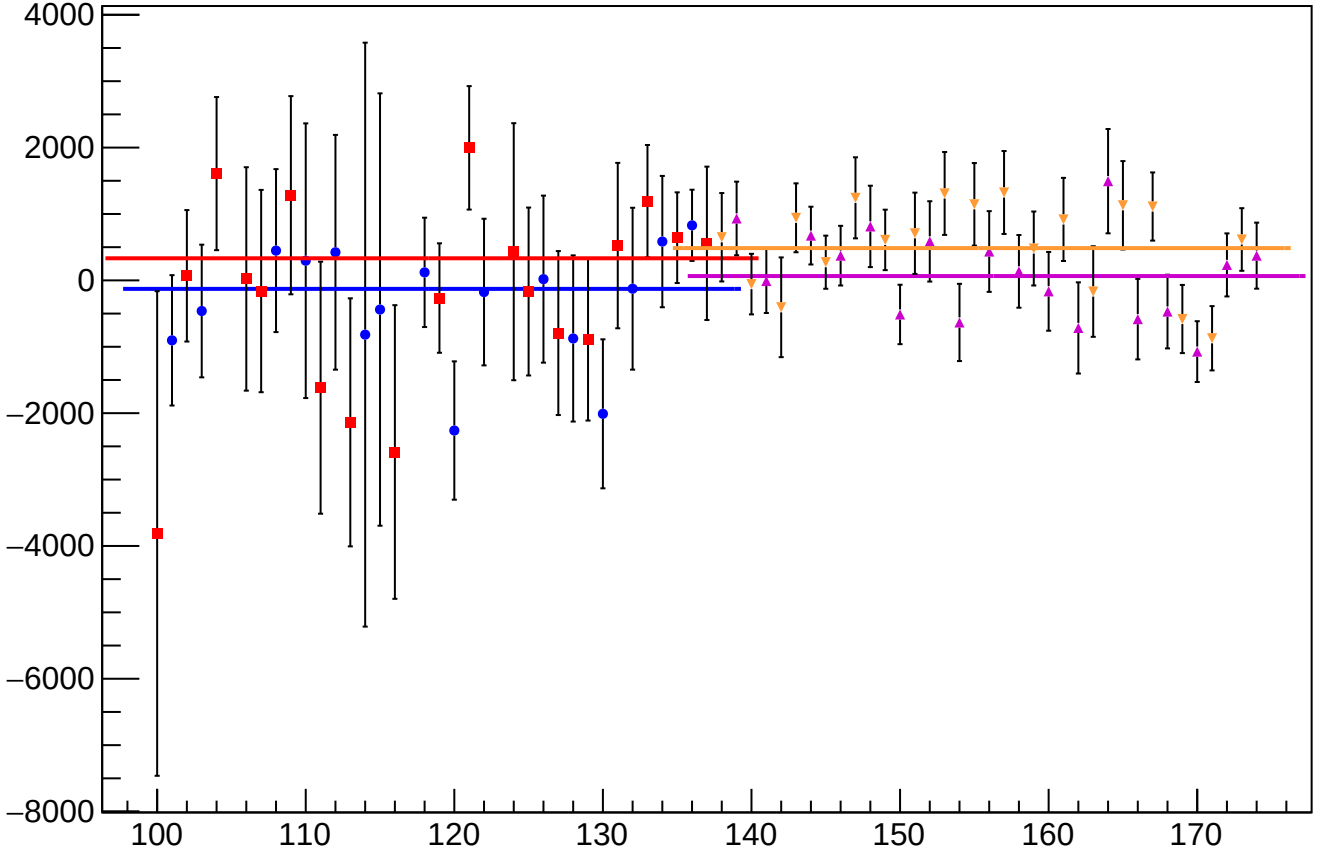
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.046+/-0.016 χ^2/NDF:418120.6/17

+ sign 89.883+/-0.014 χ^2/NDF: 1233890.5/34

All: 90.181+/-0.010 χ^2/NDF: 2505724.5/71

- 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: 485.897+/-125.765 χ^2/NDF:26.4/18

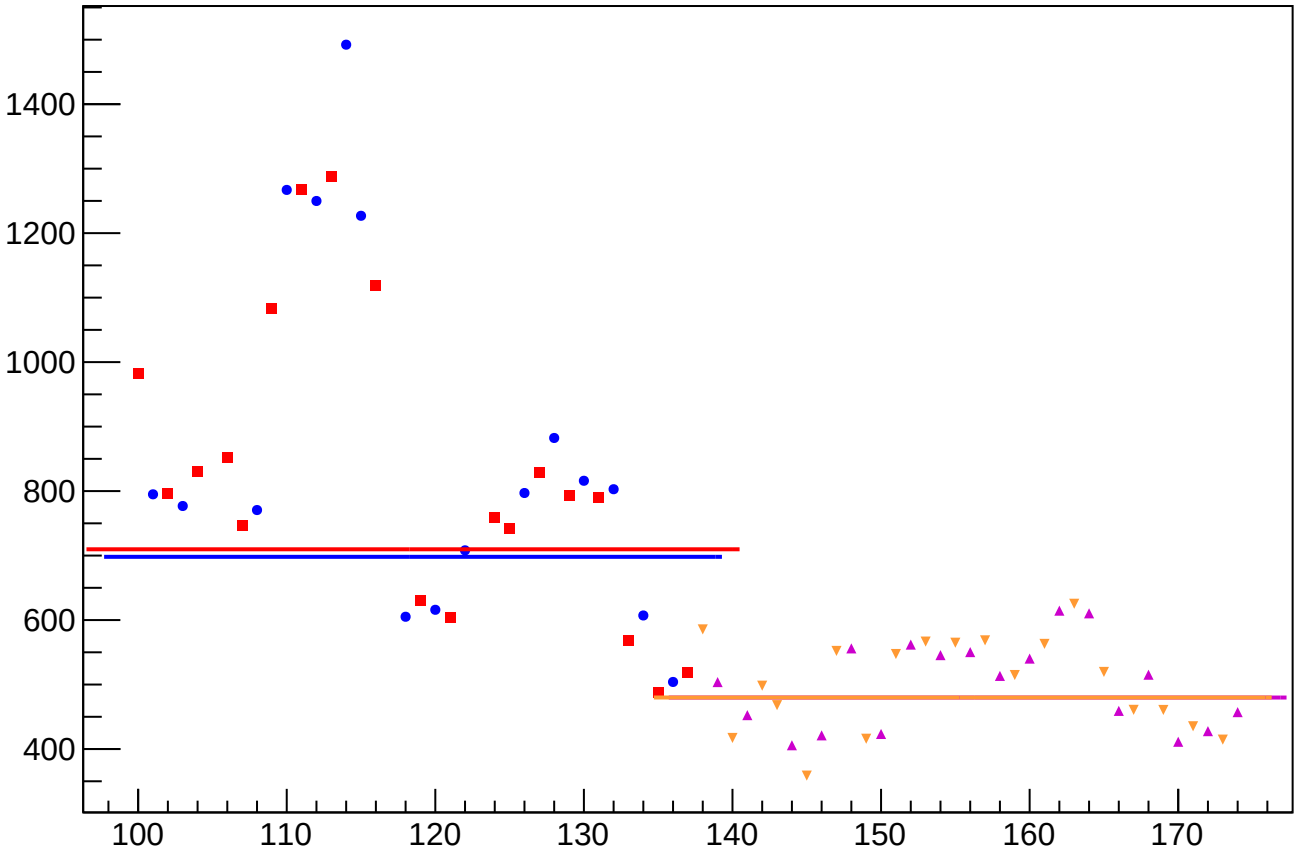
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 65.137+/-126.001 χ^2/NDF:24.1/17

+ sign 375.509+/-113.899 χ^2/NDF: 43.0/34

All: 244.519+/-80.660 χ^2/NDF: 85.3/71

- 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: 479.906+/-0.089 χ^2/NDF:683559.0/18

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

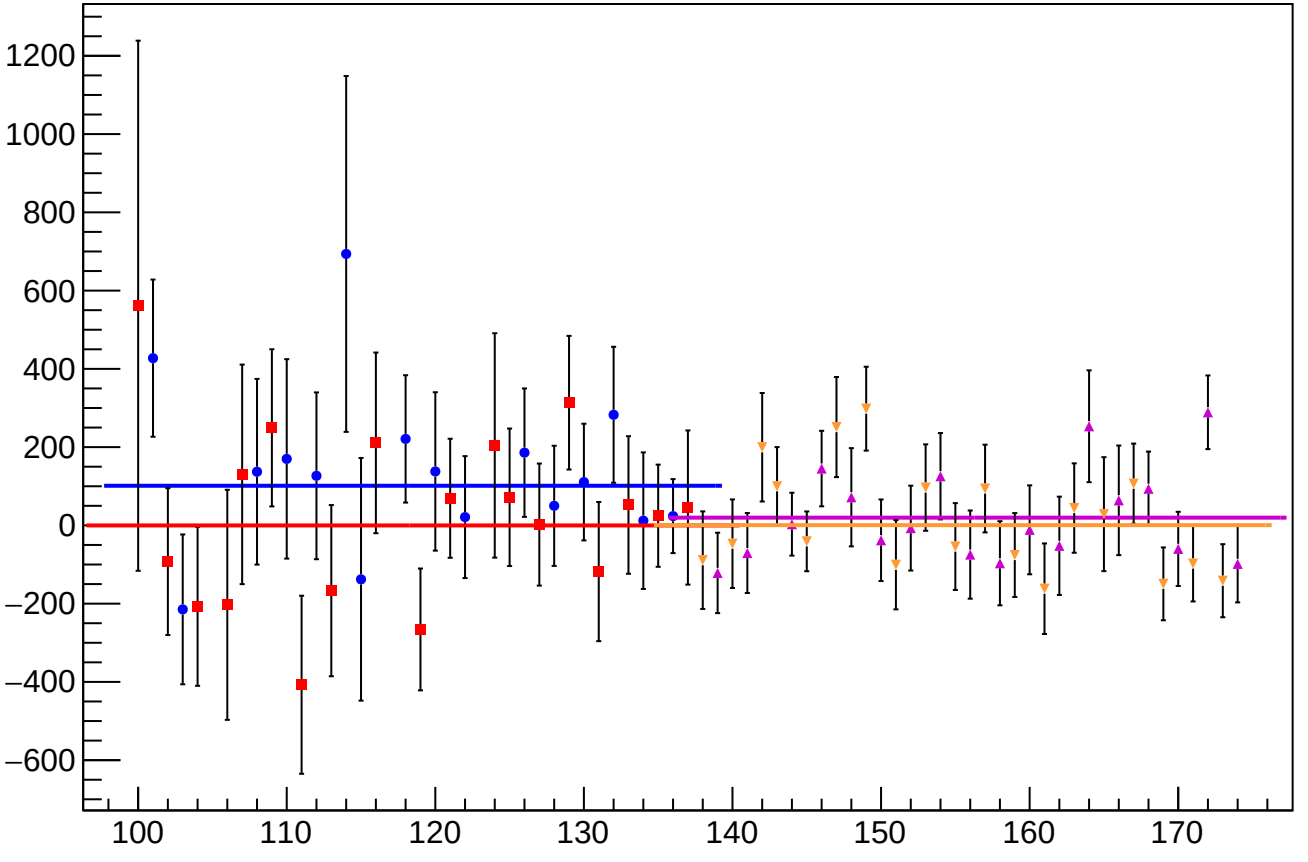
Left In: 479.847+/-0.089 χ^2/NDF:498252.5/17

+ sign 519.129+/-0.081 χ^2/NDF: 2678370.7/34

All: 519.939+/-0.057 χ^2/NDF: 5388645.1/71

- 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: 0.608+/-24.611 χ^2/NDF:27.7/18

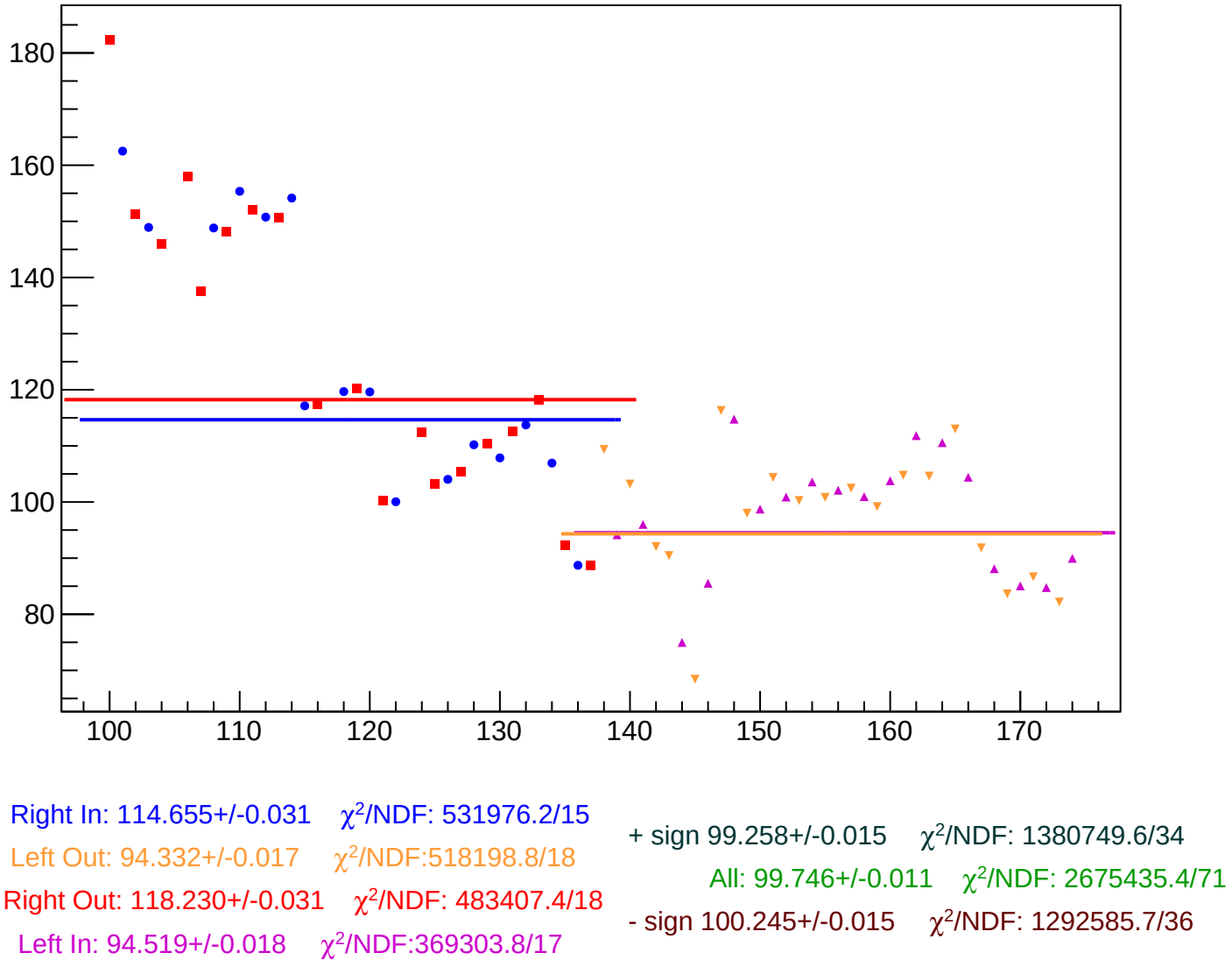
Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

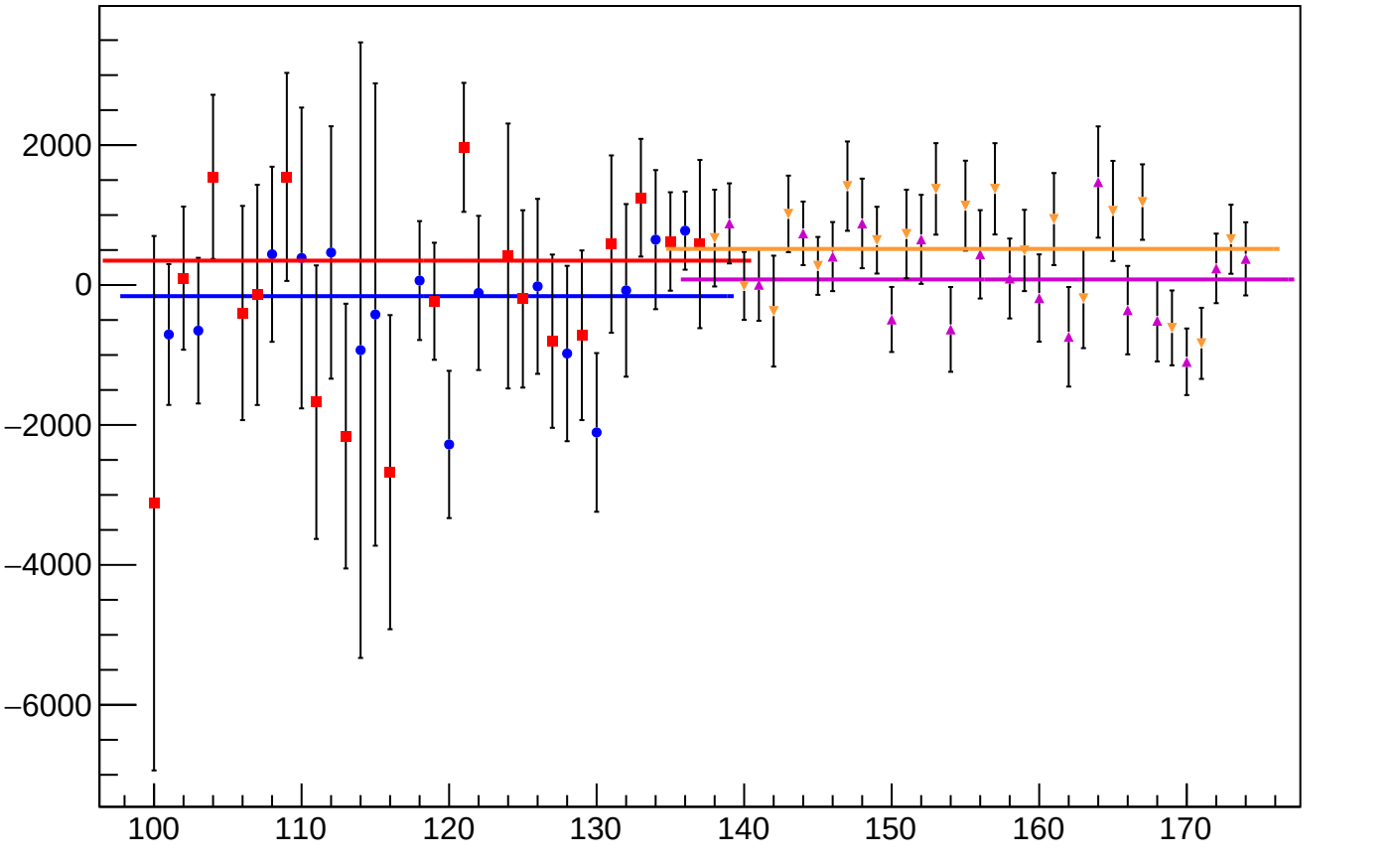
Left In: 19.749+/-24.845 χ^2/NDF:21.9/17

+ sign 25.011+/-21.422 χ^2/NDF: 42.8/34

All: 20.031+/-15.224 χ^2/NDF: 81.5/71

- sign 14.950+/-21.639 χ^2/NDF: 38.6/36


dit_asym_sam_26_48_dd_rms vs Slug
180
160
140
120
100
80
100
110
120
130
140
150
160
170
Right In: 114.655+/-0.031 χ²/NDF: 531976.2/15
Left Out: 94.332+/-0.017 χ²/NDF:518198.8/18
Right Out: 118.230+/-0.031 χ²/NDF: 483407.4/18
Left In: 94.519+/-0.018 χ²/NDF:369303.8/17
+ sign 99.258+/-0.015 χ²/NDF: 1380749.6/34
All: 99.746+/-0.011 χ²/NDF: 2675435.4/71
- sign 100.245+/-0.015 χ²/NDF: 1292585.7/36



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 516.451+/-131.697 χ^2/NDF:25.3/18

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

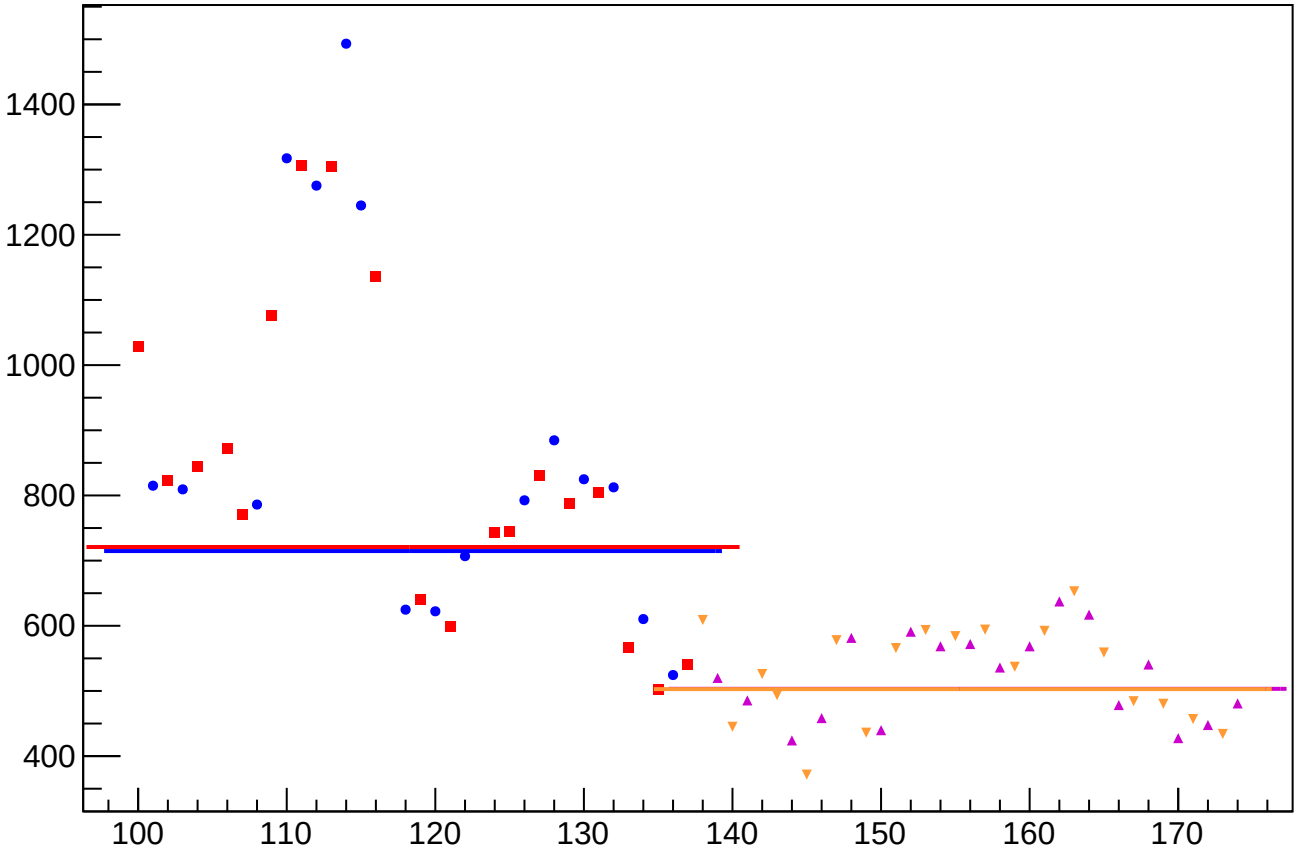
Left In: 79.651+/-132.118 χ^2/NDF:22.7/17

+ sign 390.090+/-118.743 χ^2/NDF: 42.2/34

All: 260.543+/-84.045 χ^2/NDF: 82.4/71

- 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: 502.819+/-0.093 χ^2/NDF:681201.6/18

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

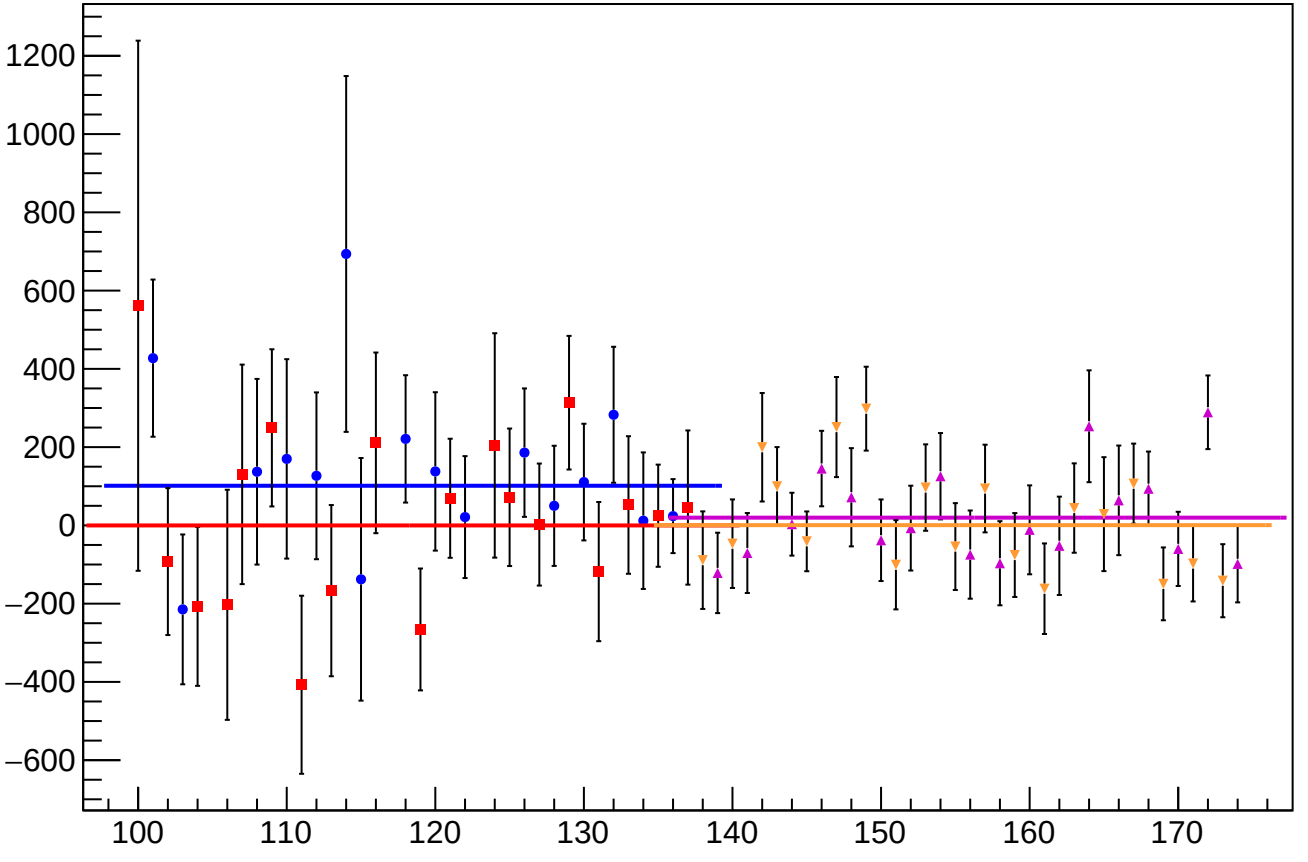
Left In: 503.275+/-0.093 χ^2/NDF:464370.7/17

+ sign 542.444+/-0.084 χ^2/NDF: 2525418.4/34

All: 543.432+/-0.059 χ^2/NDF: 5034484.9/71

- 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: 0.606+/-24.611 χ^2/NDF:27.7/18

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

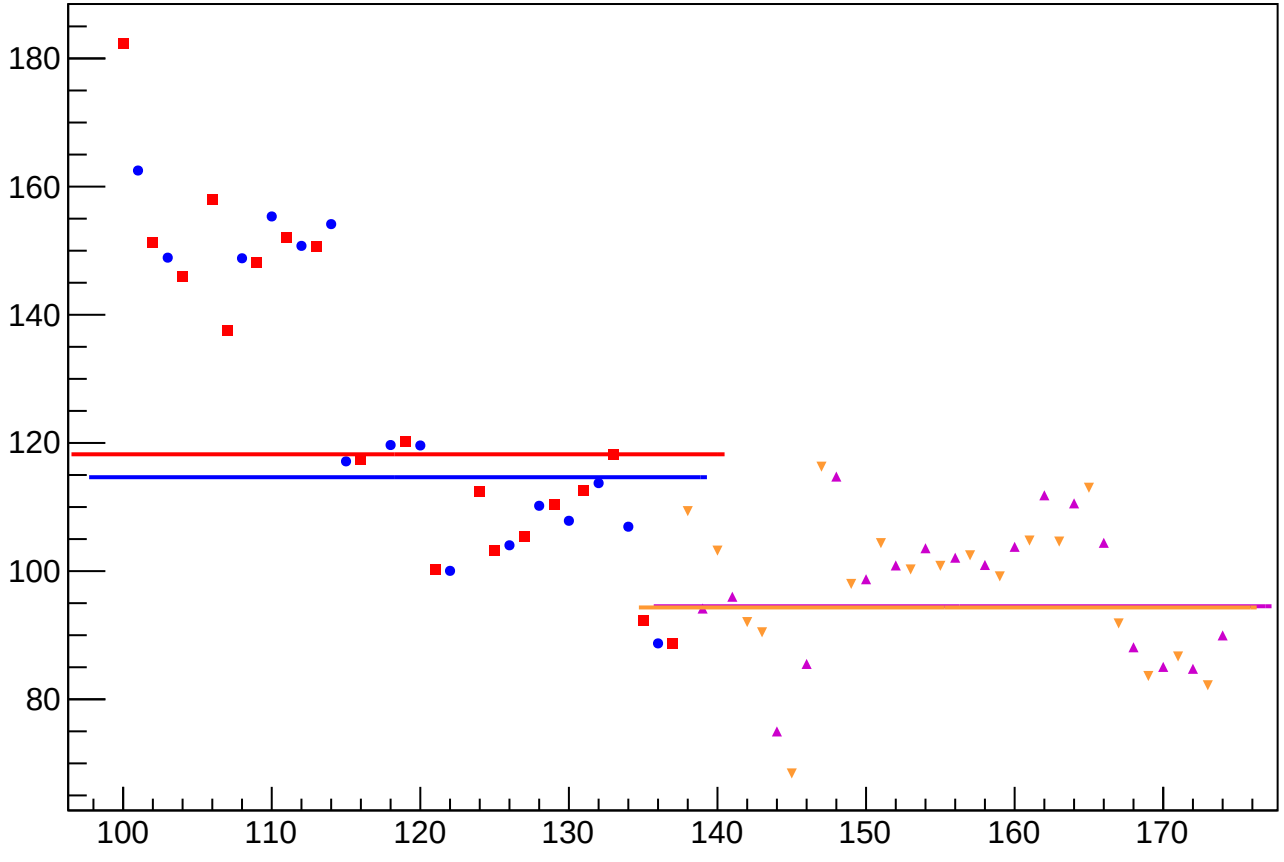
Left In: 19.750+/-24.845 χ^2/NDF:21.9/17

+ sign 25.009+/-21.422 χ^2/NDF: 42.8/34

All: 20.031+/-15.224 χ^2/NDF: 81.5/71

- 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: 94.332+/-0.017 χ^2/NDF:518206.1/18

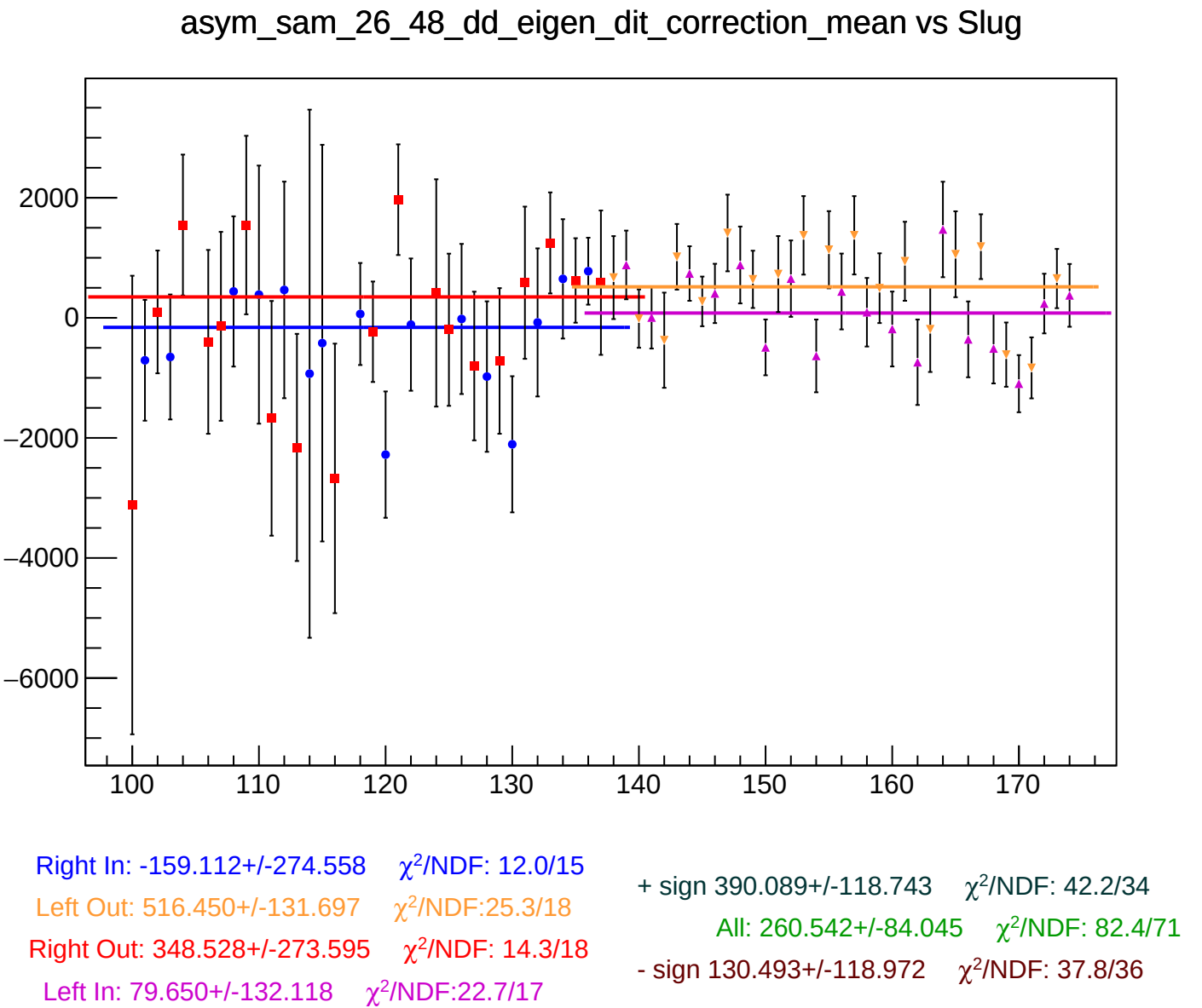
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

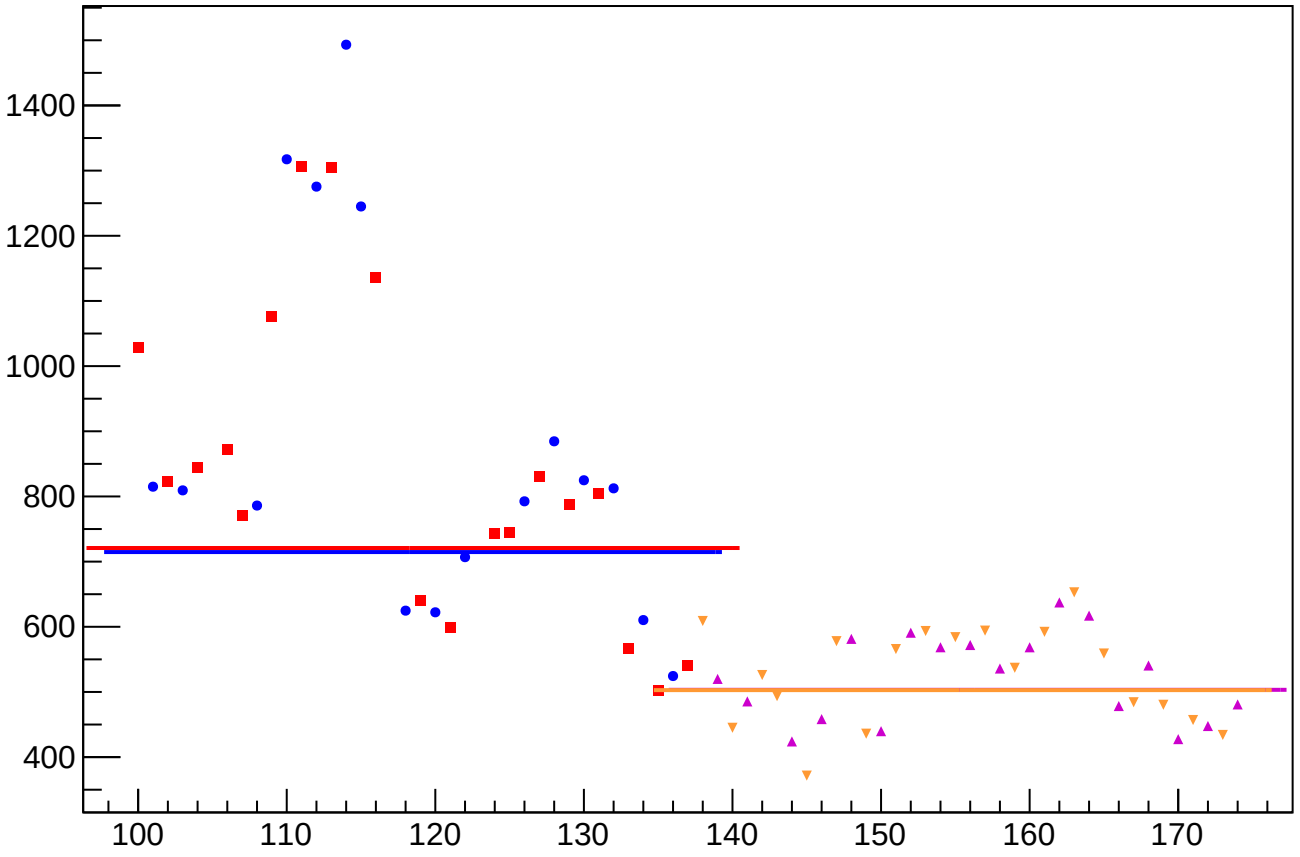
Left In: 94.519+/-0.018 χ^2/NDF:369305.6/17

+ sign 99.258+/-0.015 χ^2/NDF: 1380748.4/34

All: 99.746+/-0.011 χ^2/NDF: 2675428.3/71

- sign 100.245+/-0.015 χ^2/NDF: 1292579.9/36


asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -159.112+/-274.558 χ²/NDF: 12.0/15
Left Out: 516.450+/-131.697 χ²/NDF:25.3/18
Right Out: 348.528+/-273.595 χ²/NDF: 14.3/18
Left In: 79.650+/-132.118 χ²/NDF:22.7/17
+ sign 390.089+/-118.743 χ²/NDF: 42.2/34
All: 260.542+/-84.045 χ²/NDF: 82.4/71
- sign 130.493+/-118.972 χ²/NDF: 37.8/36



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 502.819+/-0.093 χ^2/NDF:681203.6/18

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

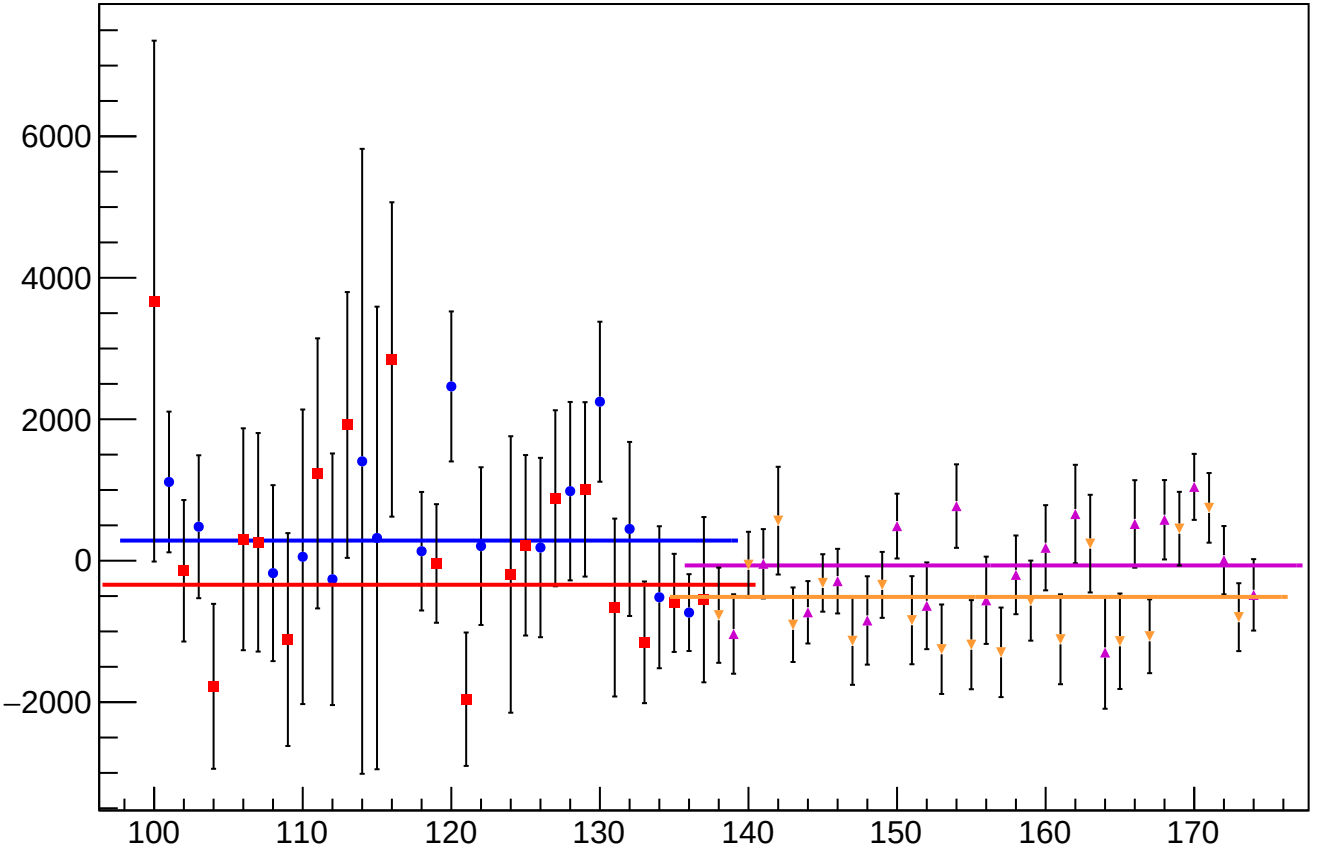
Left In: 503.275+/-0.093 χ^2/NDF:464370.1/17

+ sign 542.444+/-0.084 χ^2/NDF: 2525415.5/34

All: 543.432+/-0.059 χ^2/NDF: 5034473.5/71

- 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: -511.772+/-127.833 χ^2/NDF:23.8/18

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

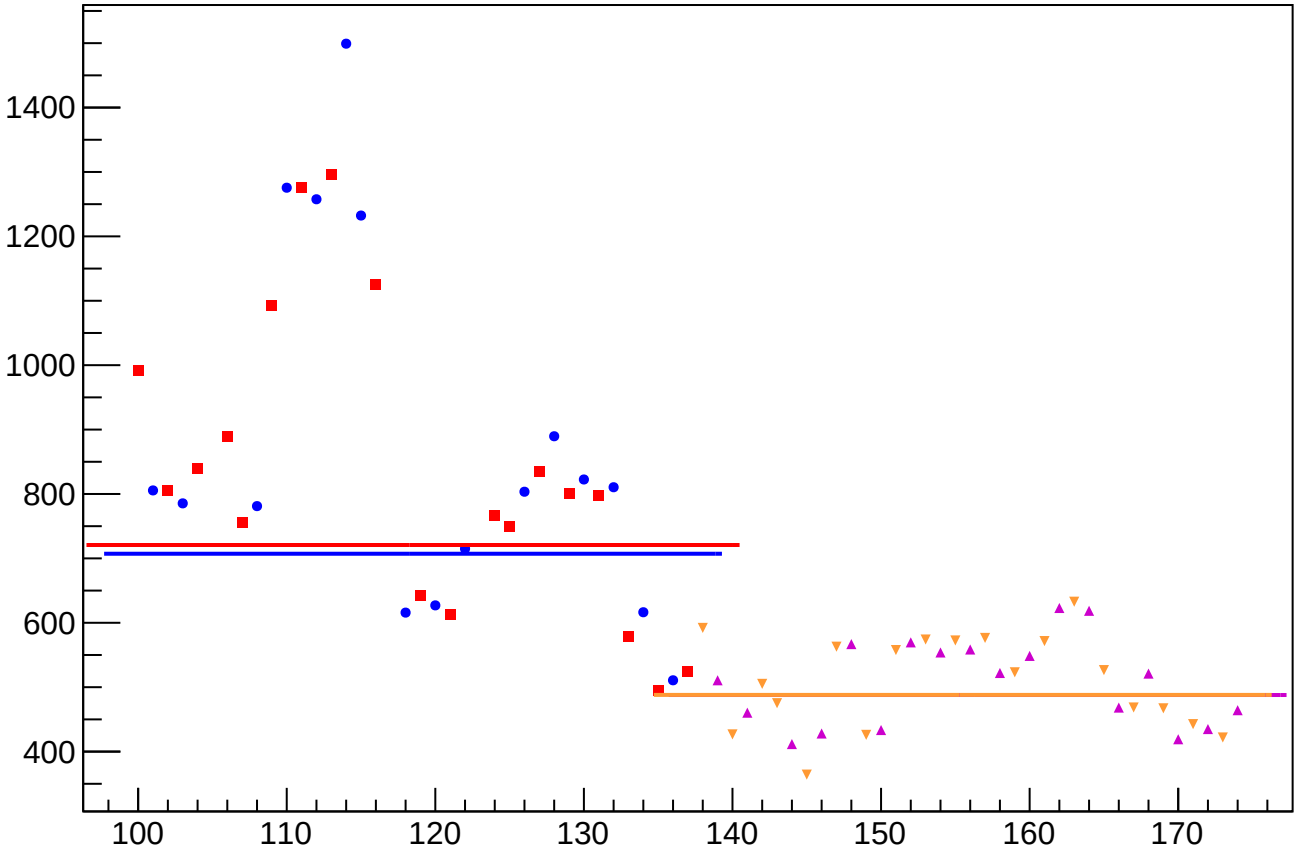
Left In: -66.789+/-128.065 χ^2/NDF:24.3/17

\+ sign -367.614+/-115.689 χ^2/NDF: 43.6/34

All: -242.078+/-81.910 χ^2/NDF: 85.2/71

\- 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: 488.019+/-0.090 χ^2/NDF:669227.7/18

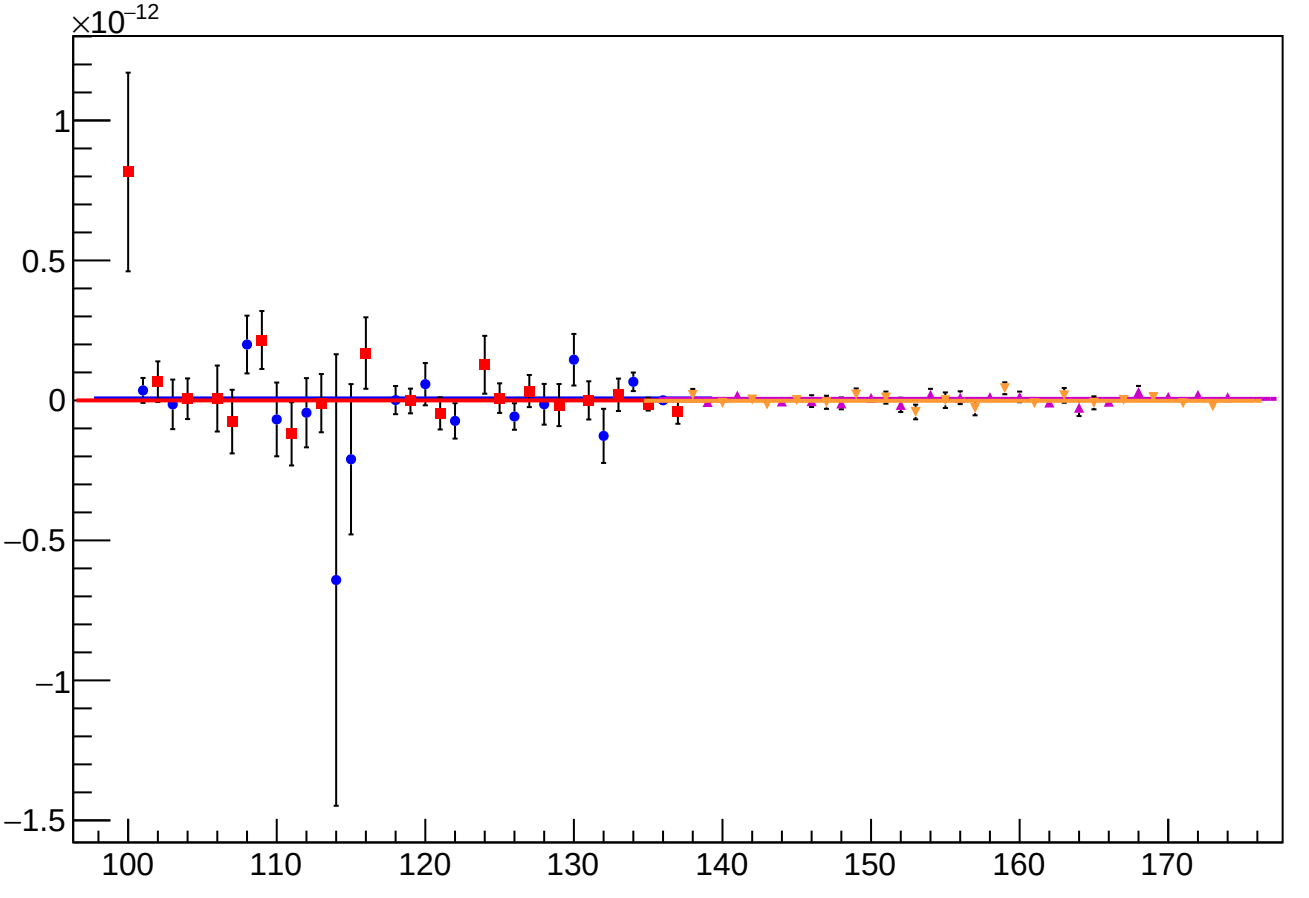
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 487.854+/-0.091 χ^2/NDF:488458.9/17

+ sign 527.687+/-0.082 χ^2/NDF: 2630086.6/34

All: 528.698+/-0.058 χ^2/NDF: 5323134.5/71

- 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:14.4/18

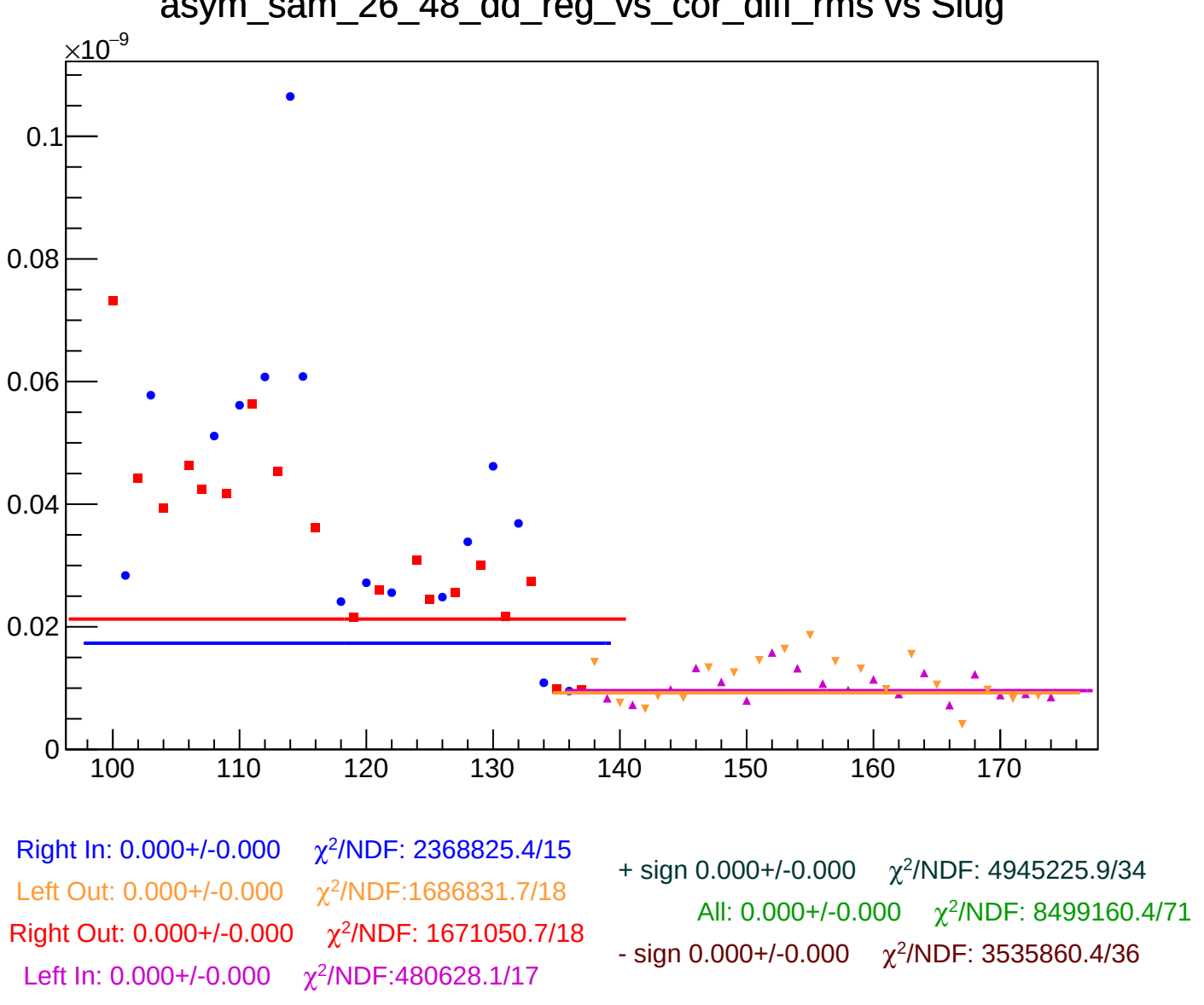
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/17

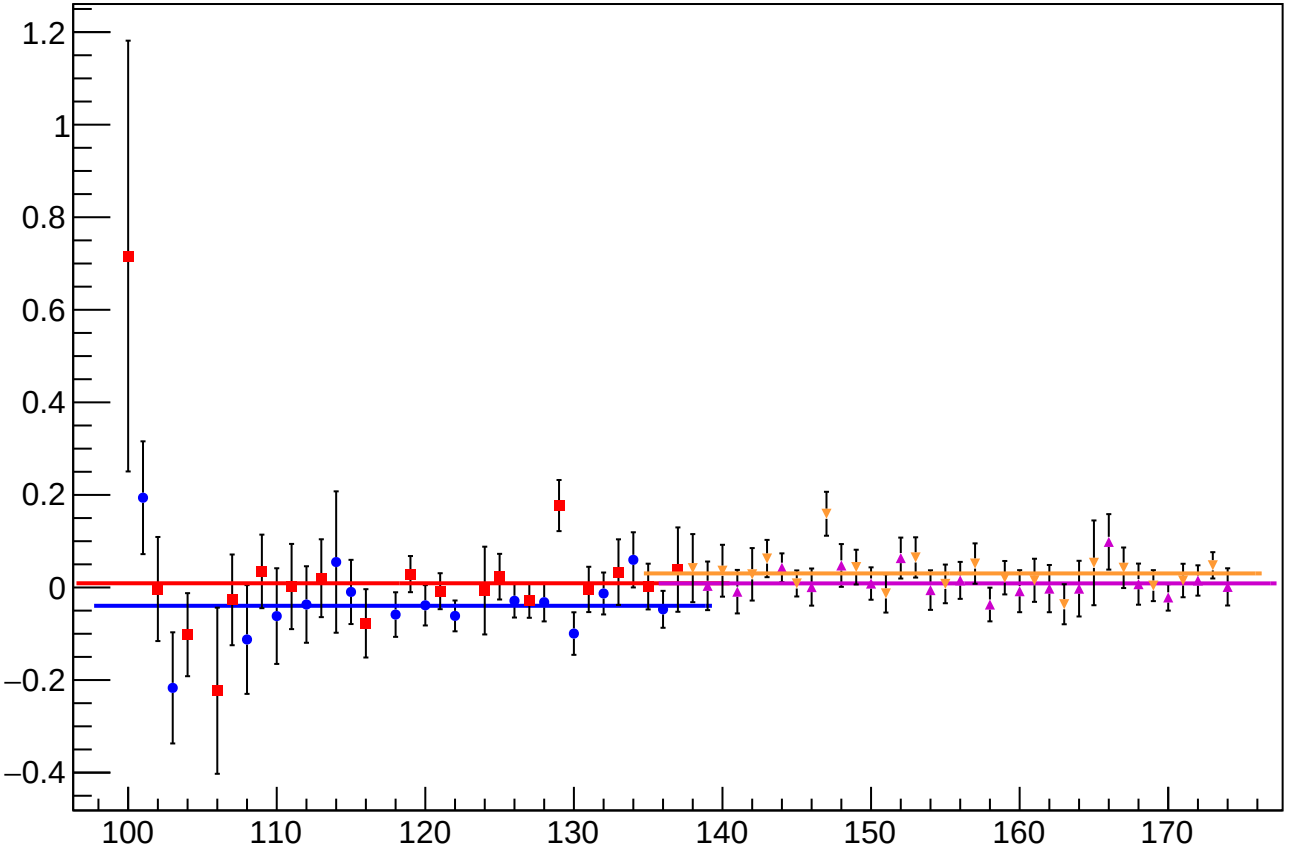
+ sign -0.000+/-0.000 χ^2/NDF: 32.2/34

All: 0.000+/-0.000 χ^2/NDF: 59.5/71

- sign 0.000+/-0.000 χ^2/NDF: 26.2/36


asym_sam_26_48_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: 2368825.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1686831.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 1671050.7/18
Left In: 0.000+/-0.000 χ²/NDF:480628.1/17
+ sign 0.000+/-0.000 χ²/NDF: 4945225.9/34
All: 0.000+/-0.000 χ²/NDF: 8499160.4/71
- sign 0.000+/-0.000 χ²/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: 0.030+/-0.009 χ^2/NDF:14.9/18

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

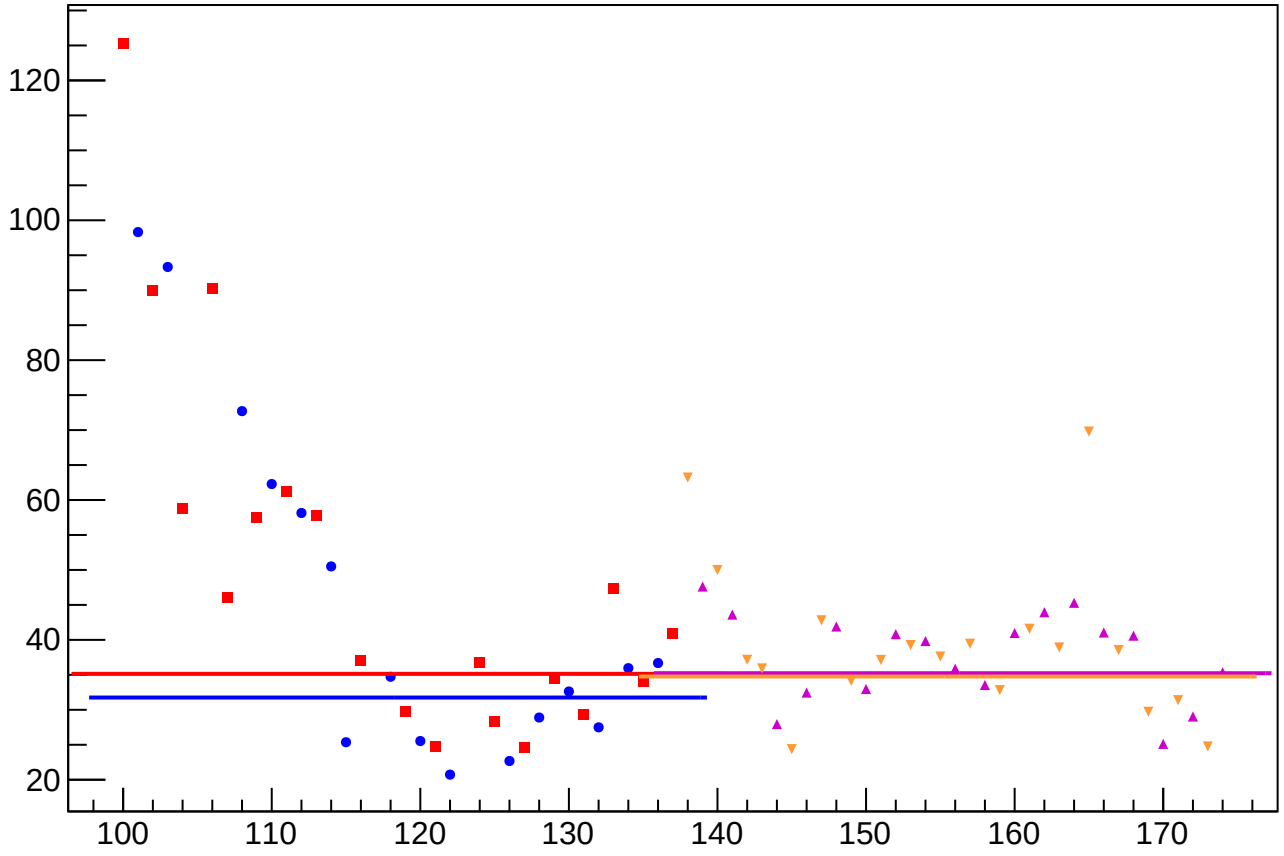
Left In: 0.009+/-0.010 χ^2/NDF:9.0/17

+ sign 0.007+/-0.008 χ^2/NDF: 46.0/34

All: 0.008+/-0.006 χ^2/NDF: 73.4/71

- sign 0.009+/-0.008 χ^2/NDF: 27.3/36

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 34.761+/-0.007 χ^2/NDF:1527253.8/18

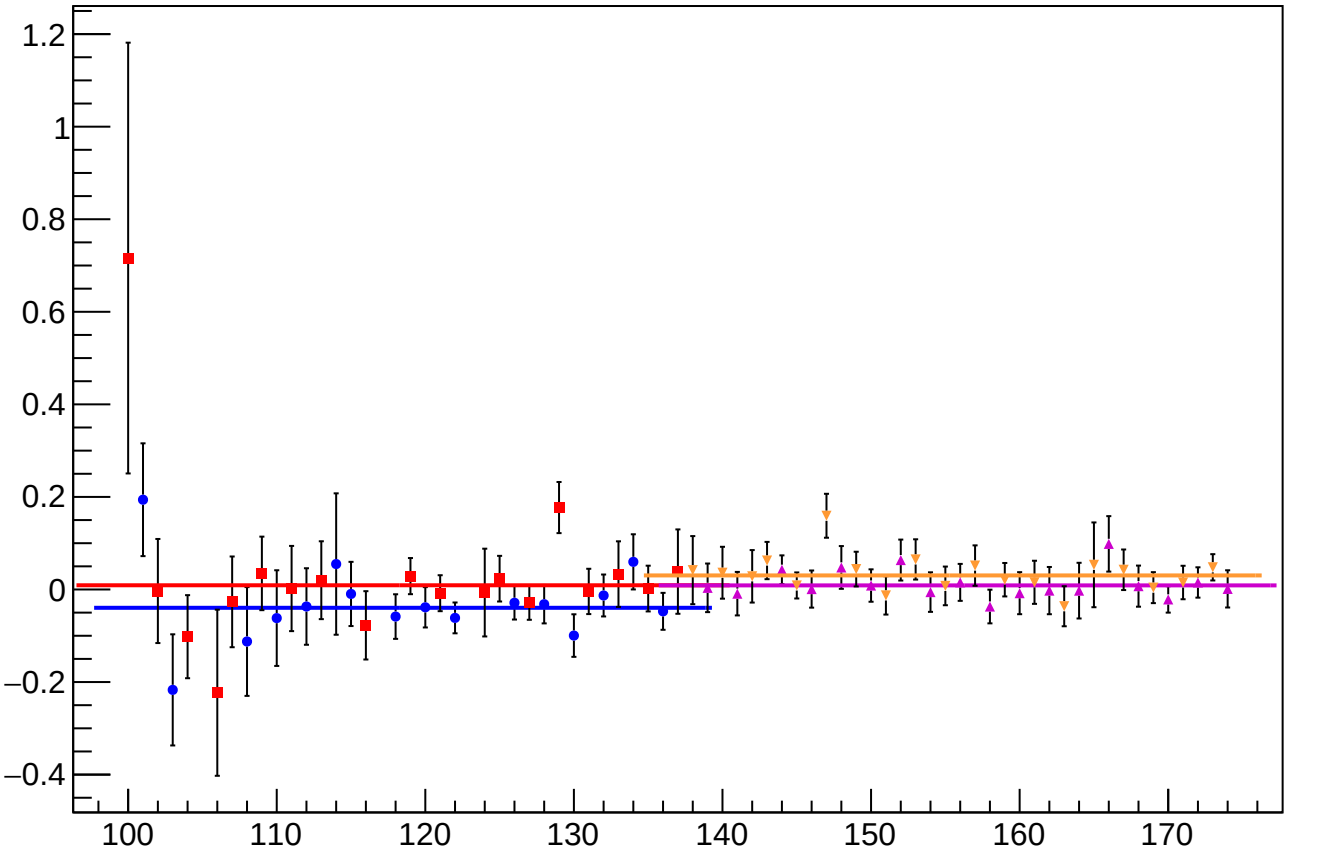
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.233+/-0.007 χ^2/NDF:921067.3/17

+ sign 33.748+/-0.005 χ^2/NDF: 3848781.7/34

All: 34.448+/-0.004 χ^2/NDF: 6649511.0/71

- sign 35.203+/-0.006 χ^2/NDF: 2765802.9/36



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:14.9/18

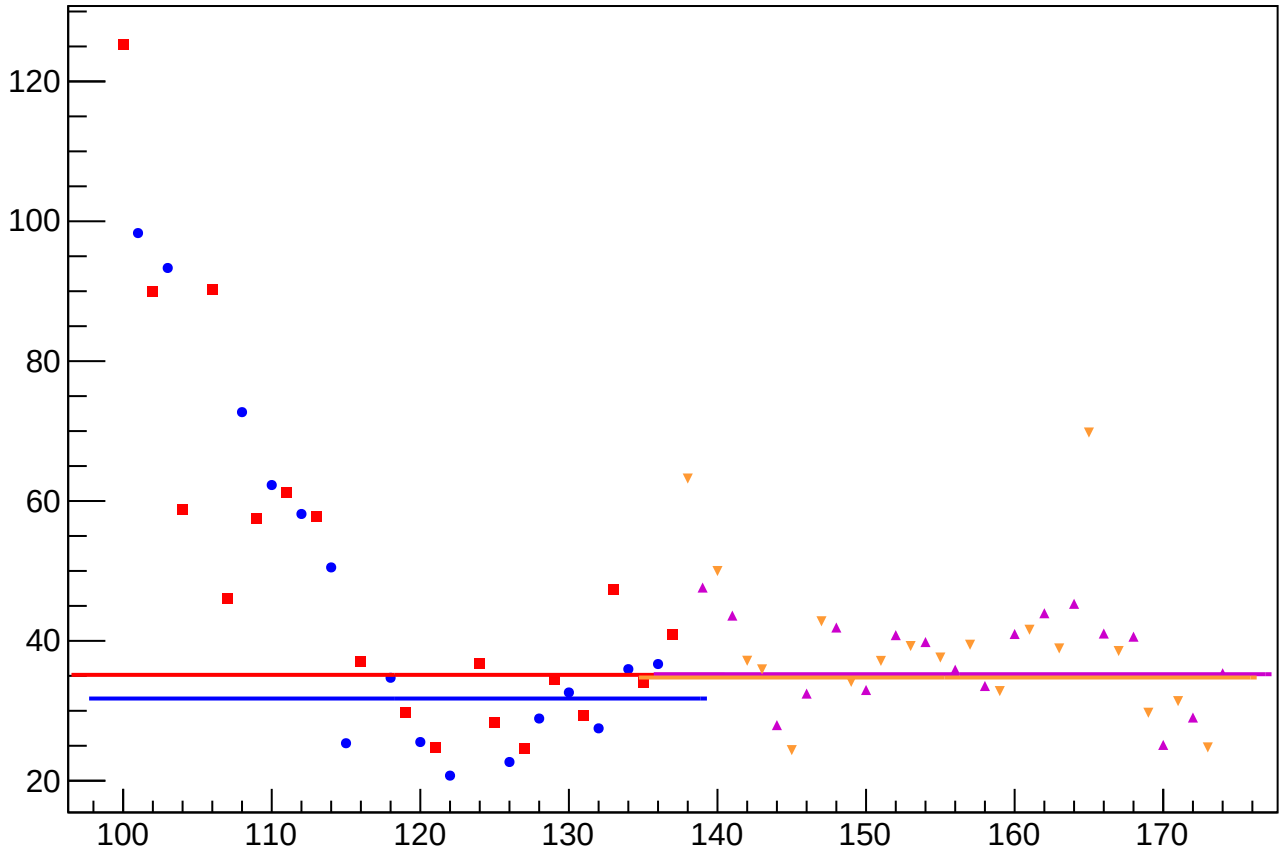
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.009+/-0.010 χ^2/NDF:9.0/17

+ sign 0.007+/-0.008 χ^2/NDF: 46.0/34

All: 0.008+/-0.006 χ^2/NDF: 73.4/71

- 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: 34.761+/-0.007 χ^2/NDF:1527253.8/18

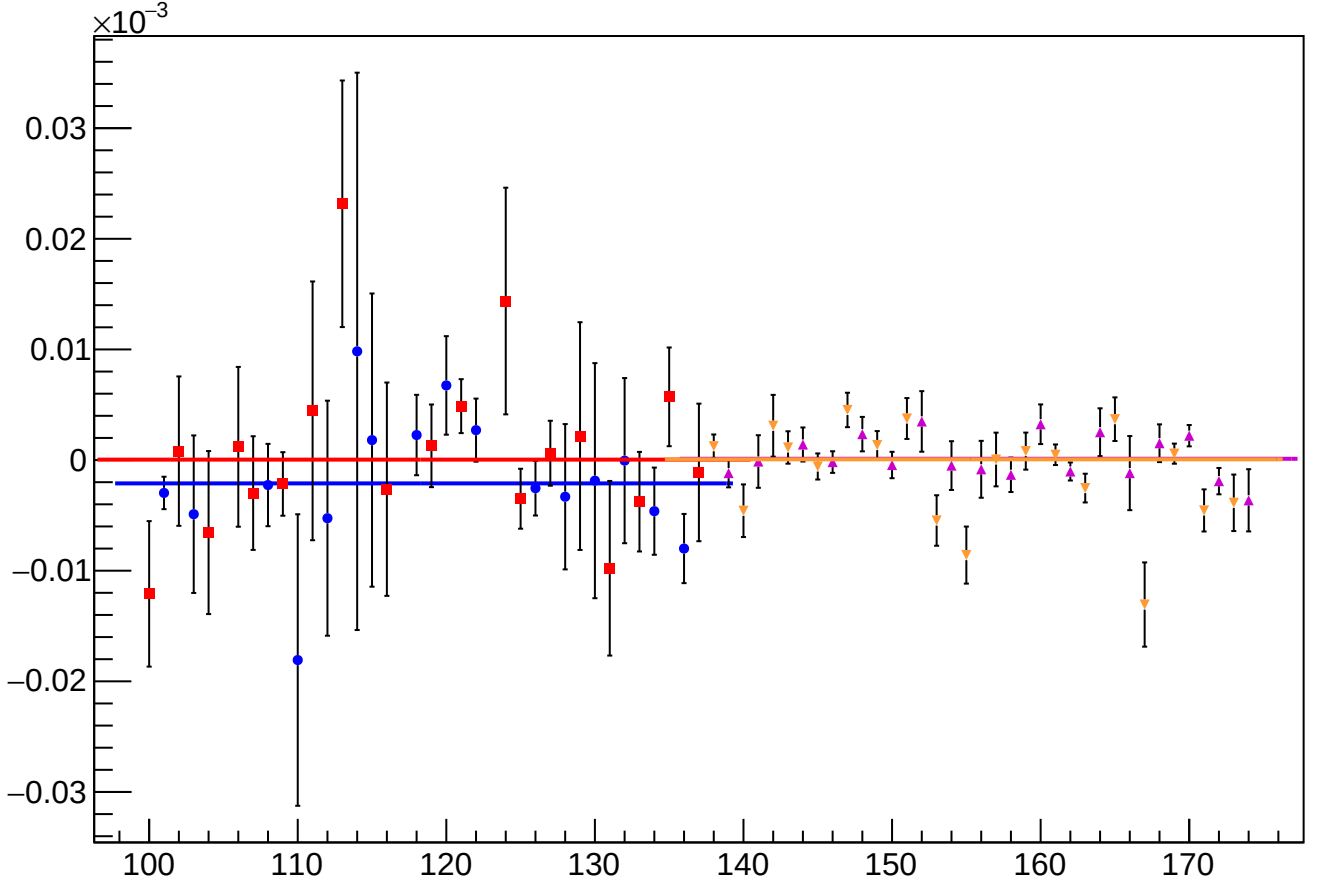
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.233+/-0.007 χ^2/NDF:921067.3/17

\+ sign 33.748+/-0.005 χ^2/NDF: 3848781.7/34

All: 34.448+/-0.004 χ^2/NDF: 6649511.0/71

\- 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:65.7/18

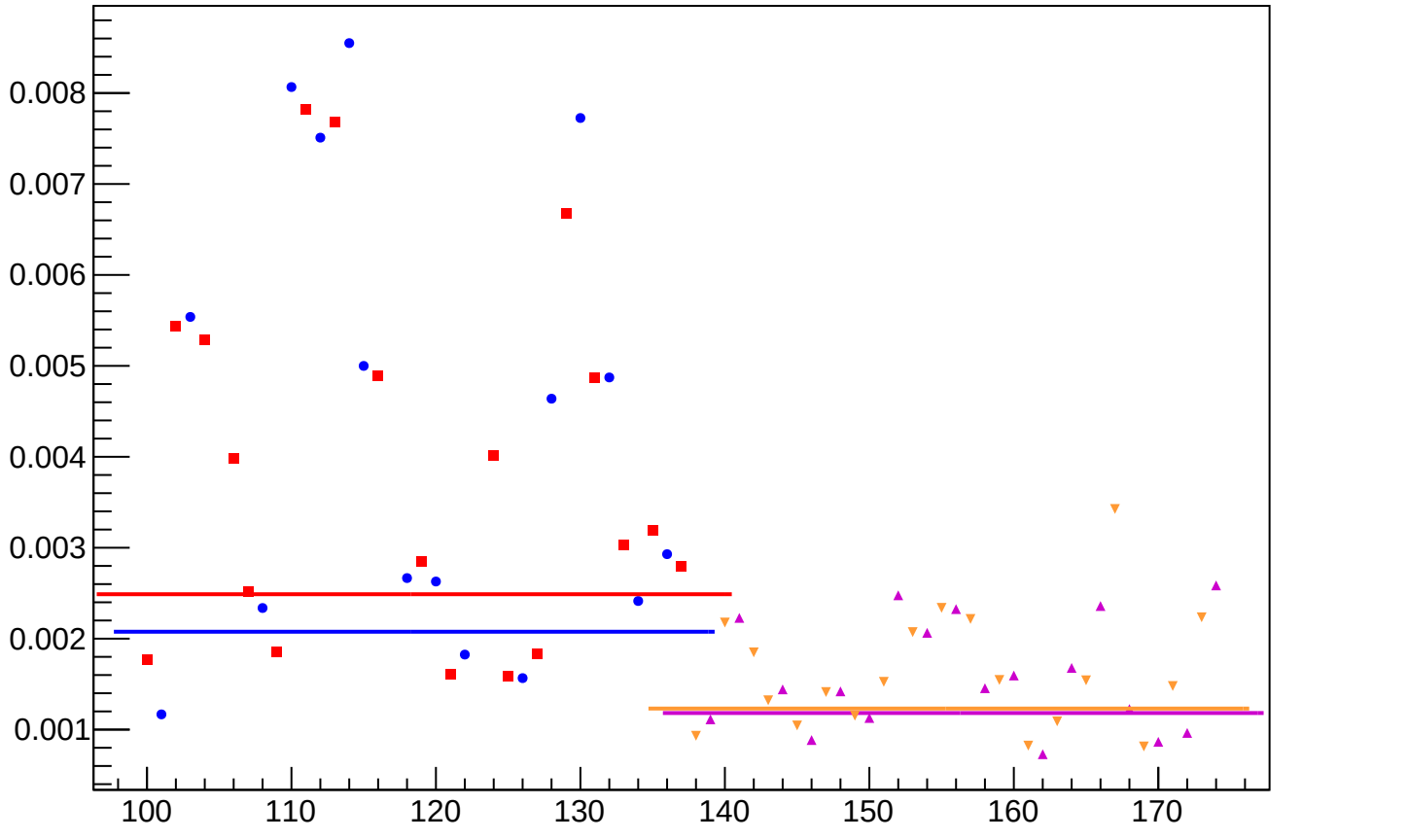
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:23.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 85.4/34

All: -0.000+/-0.000 χ^2/NDF: 130.4/71

- sign 0.000+/-0.000 χ^2/NDF: 44.5/36



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3641810.1/18

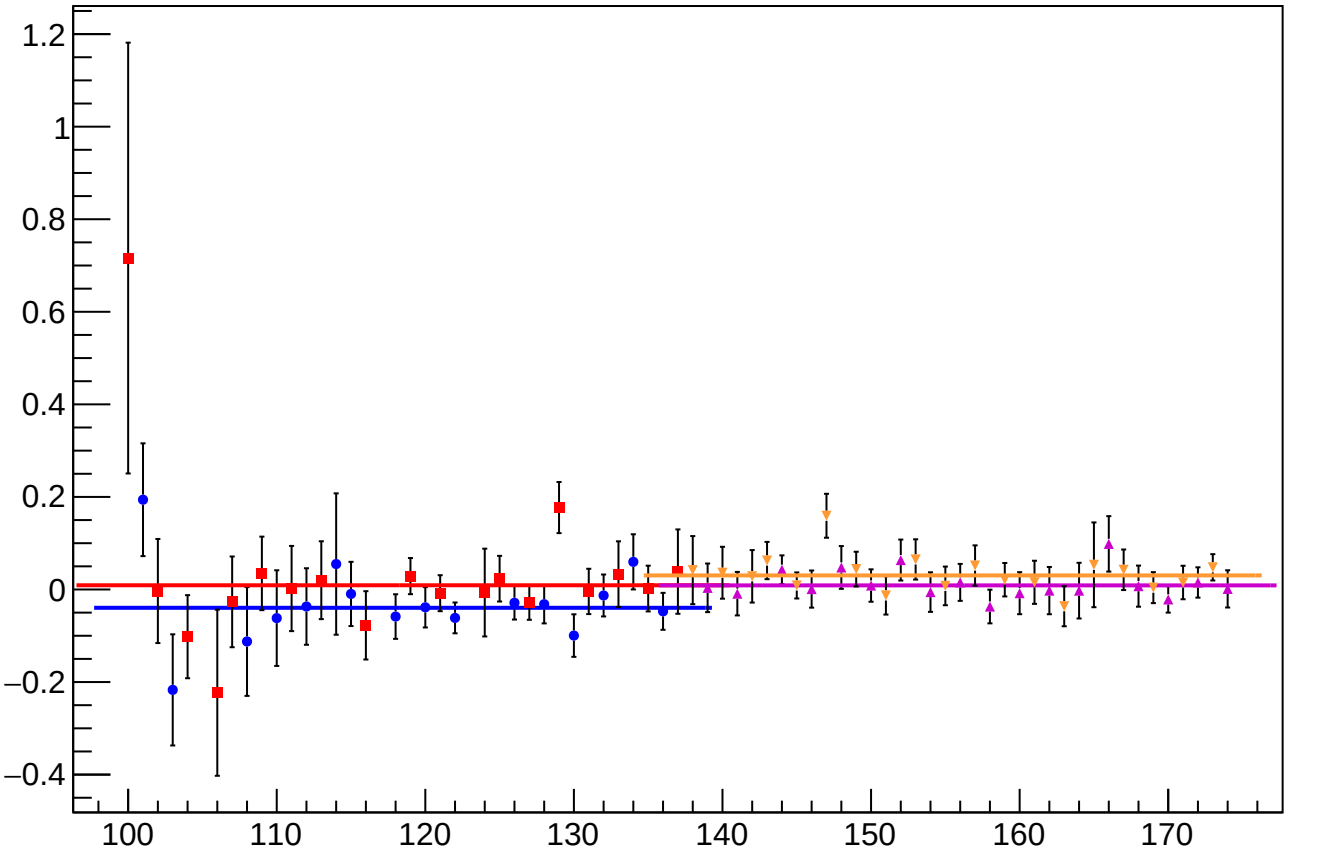
Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:3767370.5/17

+ sign 0.001+/-0.000 χ^2/NDF: 9064502.6/34

All: 0.001+/-0.000 χ^2/NDF: 18773665.3/71

- sign 0.001+/-0.000 χ^2/NDF: 9700060.3/36



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:14.9/18

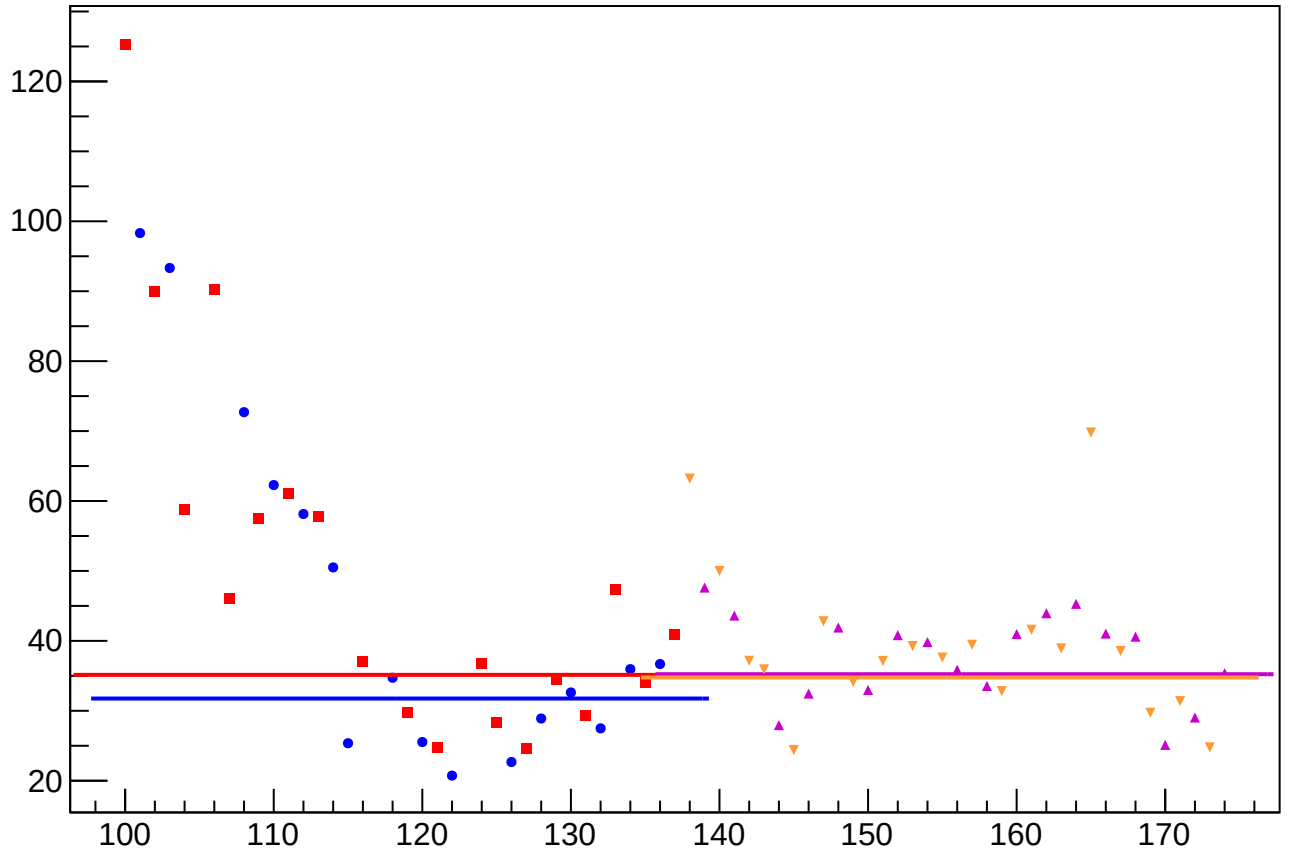
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.009+/-0.010 χ^2/NDF:9.0/17

+ sign 0.007+/-0.008 χ^2/NDF: 46.0/34

All: 0.008+/-0.006 χ^2/NDF: 73.4/71

- 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: 34.761+/-0.007 χ^2/NDF:1527287.9/18

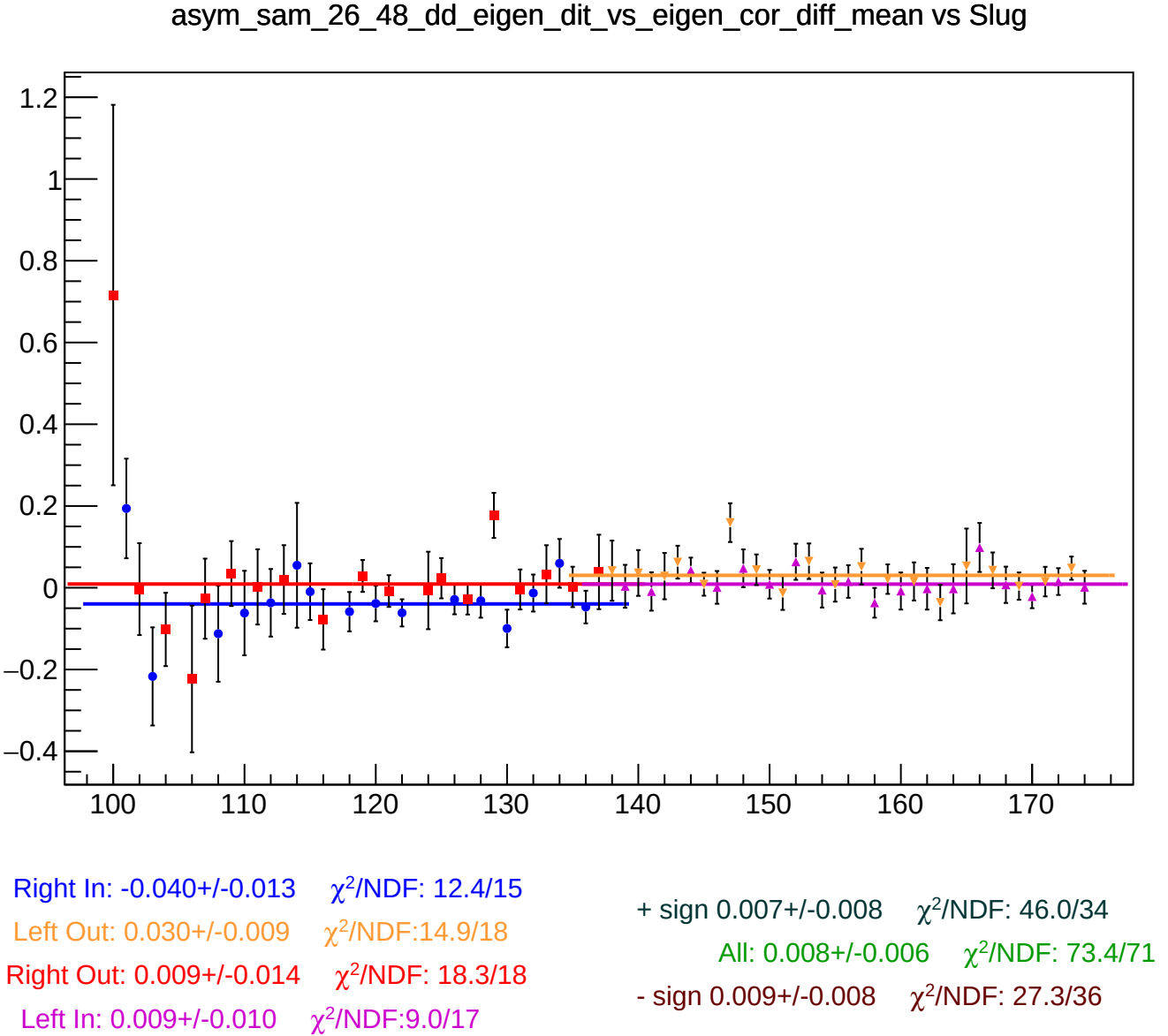
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

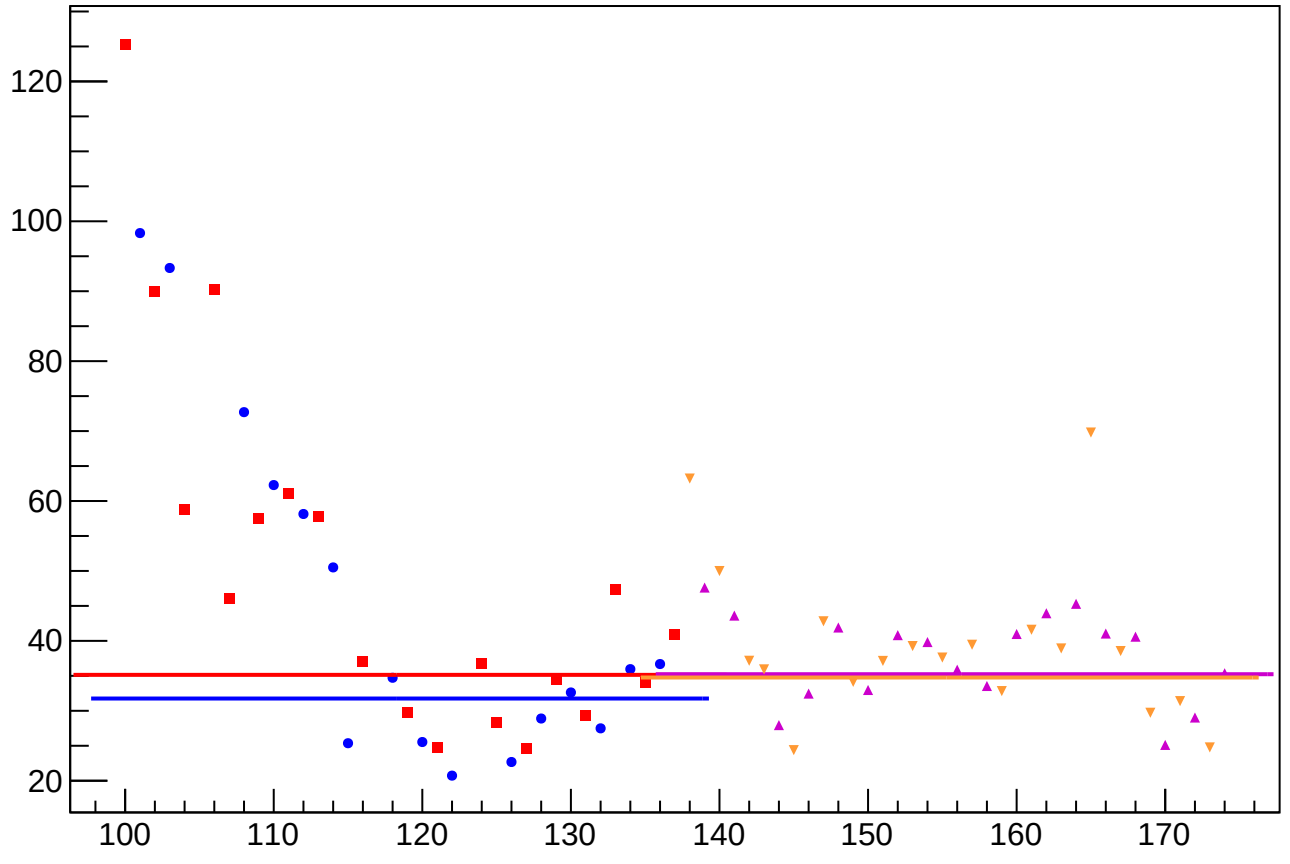
Left In: 35.233+/-0.007 χ^2/NDF:921083.1/17

\+ sign 33.748+/-0.005 χ^2/NDF: 3848771.9/34

All: 34.448+/-0.004 χ^2/NDF: 6649412.2/71

\- sign 35.204+/-0.006 χ^2/NDF: 2765714.2/36


asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: -0.040+/-0.013 χ²/NDF: 12.4/15
Left Out: 0.030+/-0.009 χ²/NDF:14.9/18
Right Out: 0.009+/-0.014 χ²/NDF: 18.3/18
Left In: 0.009+/-0.010 χ²/NDF:9.0/17
+ sign 0.007+/-0.008 χ²/NDF: 46.0/34
All: 0.008+/-0.006 χ²/NDF: 73.4/71
- sign 0.009+/-0.008 χ²/NDF: 27.3/36



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 34.761+/-0.007 χ^2/NDF:1527287.9/18

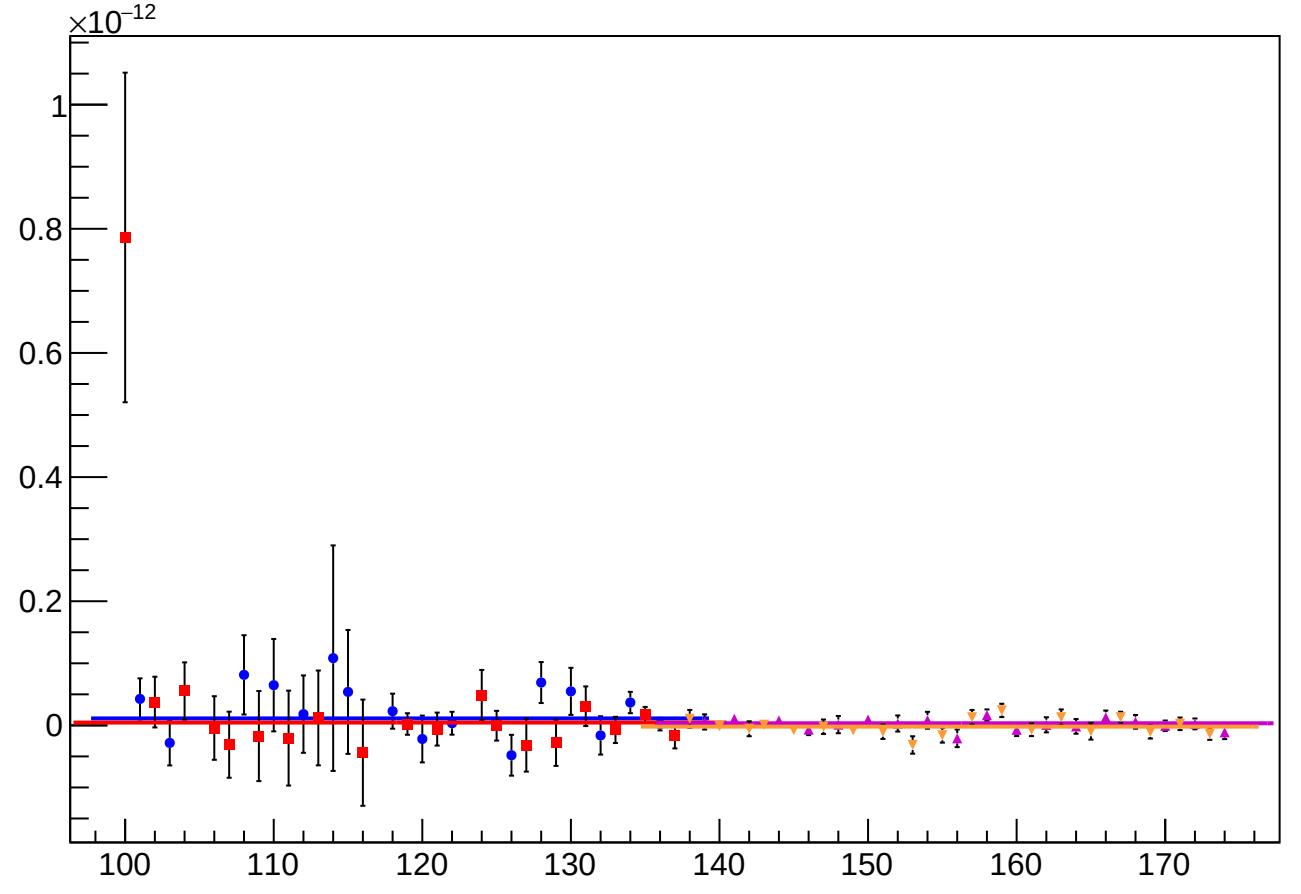
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.233+/-0.007 χ^2/NDF:921083.1/17

+ sign 33.748+/-0.005 χ^2/NDF: 3848771.9/34

All: 34.448+/-0.004 χ^2/NDF: 6649412.2/71

- 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:23.2/18

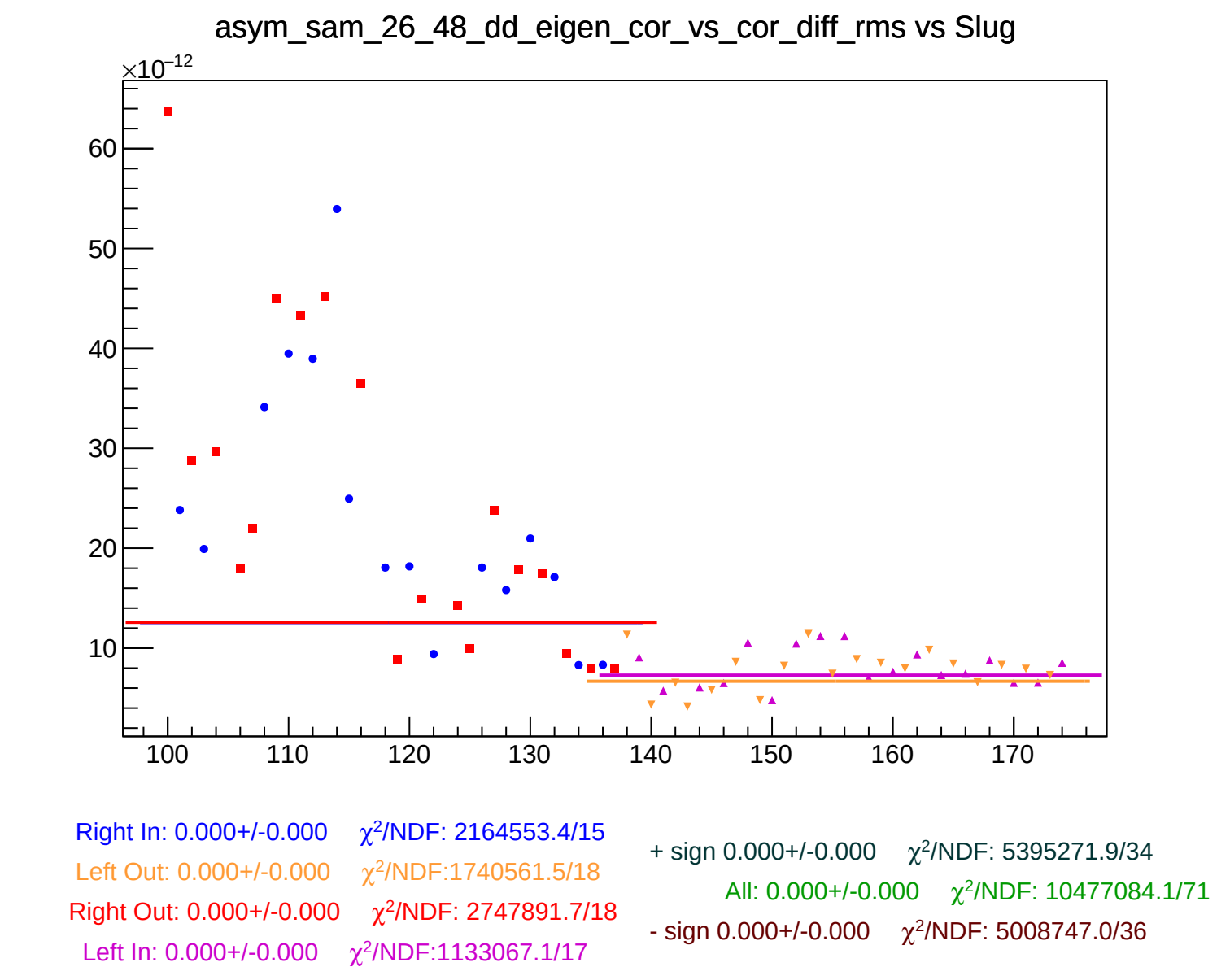
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/17

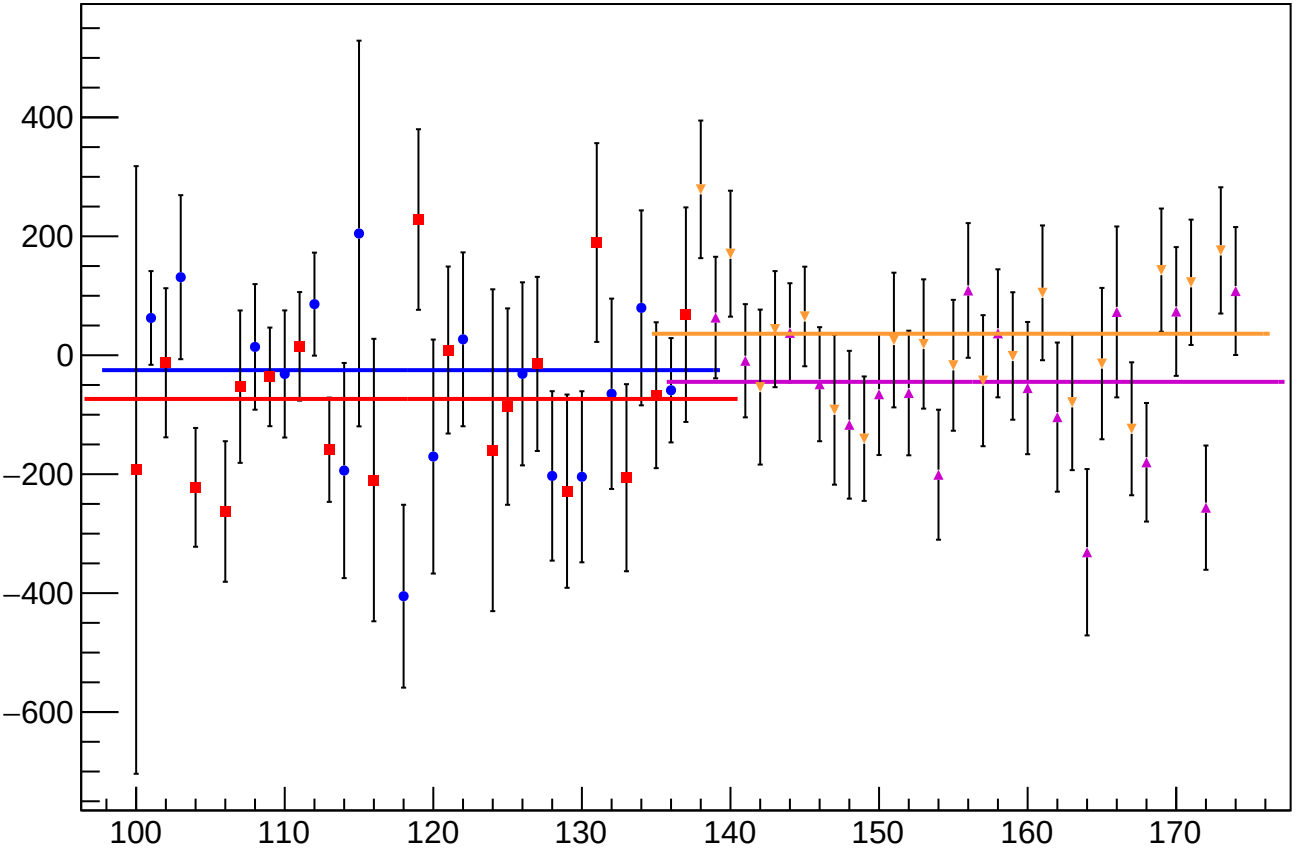
+ sign -0.000+/-0.000 χ^2/NDF: 43.8/34

All: 0.000+/-0.000 χ^2/NDF: 75.7/71

- sign 0.000+/-0.000 χ^2/NDF: 30.0/36


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1740561.5/18
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:1133067.1/17
+ sign 0.000+/-0.000 χ²/NDF: 5395271.9/34
All: 0.000+/-0.000 χ²/NDF: 10477084.1/71
- sign 0.000+/-0.000 χ²/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: 36.182+/-24.940 χ^2/NDF:18.5/18

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

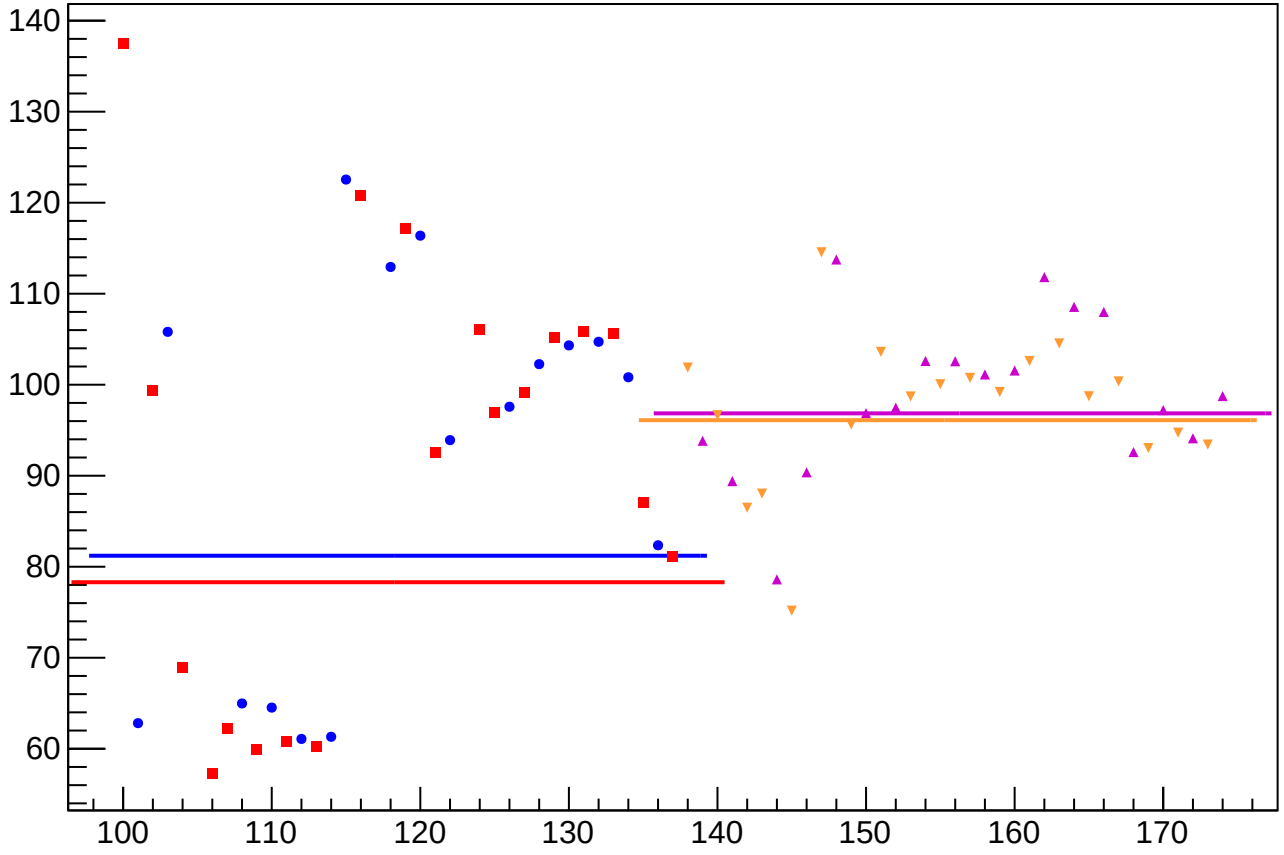
Left In: -44.726+/-25.270 χ^2/NDF:21.4/17

+ sign 12.329+/-19.488 χ^2/NDF: 37.0/34

All: -22.494+/-13.717 χ^2/NDF: 82.0/71

- 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: 96.101+/-0.018 χ^2/NDF:239835.5/18

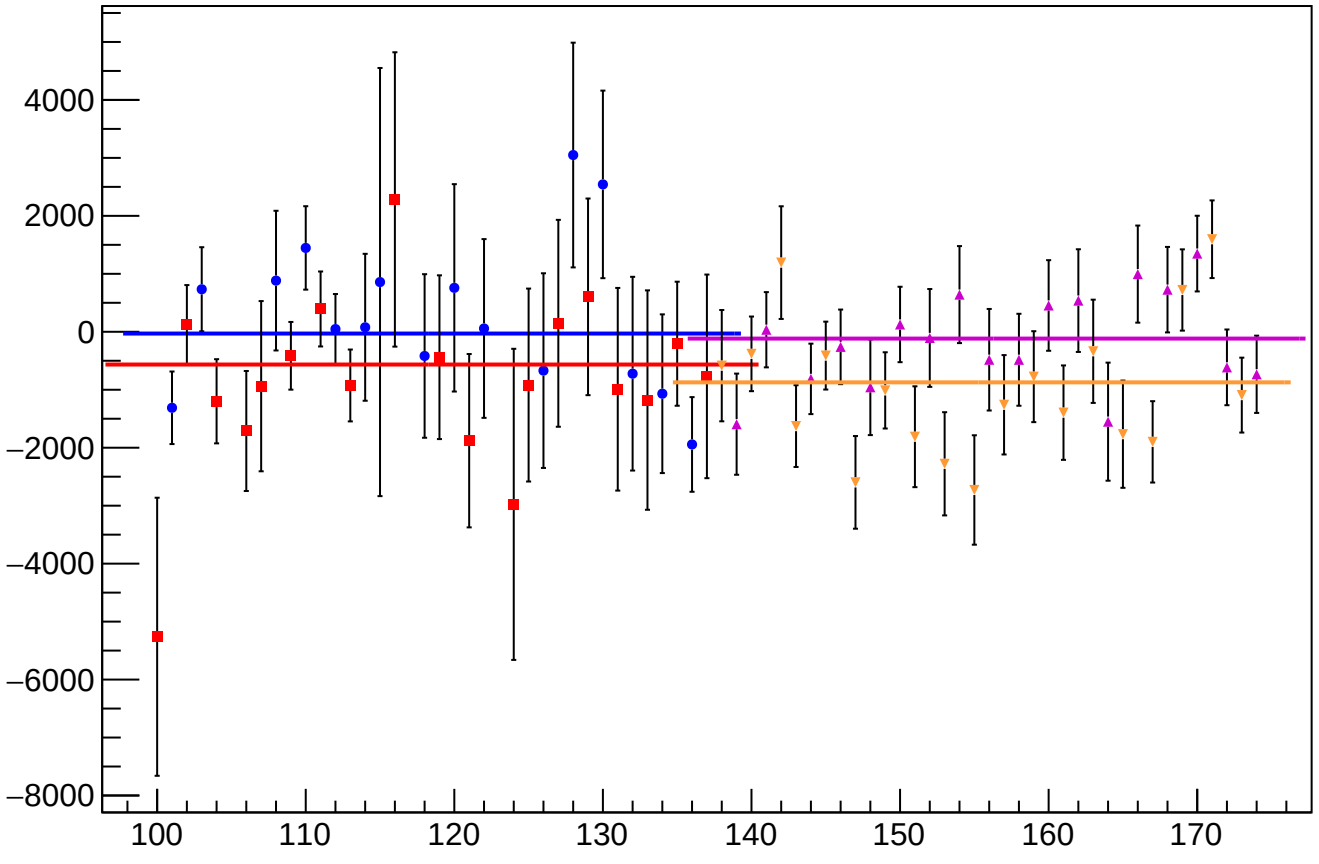
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 96.853+/-0.018 χ^2/NDF:233389.8/17

+ sign 90.302+/-0.014 χ^2/NDF: 1305179.4/34

All: 89.712+/-0.010 χ^2/NDF: 2925576.4/71

- sign 89.132+/-0.014 χ^2/NDF: 1616760.1/36



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -872.372+/-174.934 χ^2/NDF:42.1/18

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

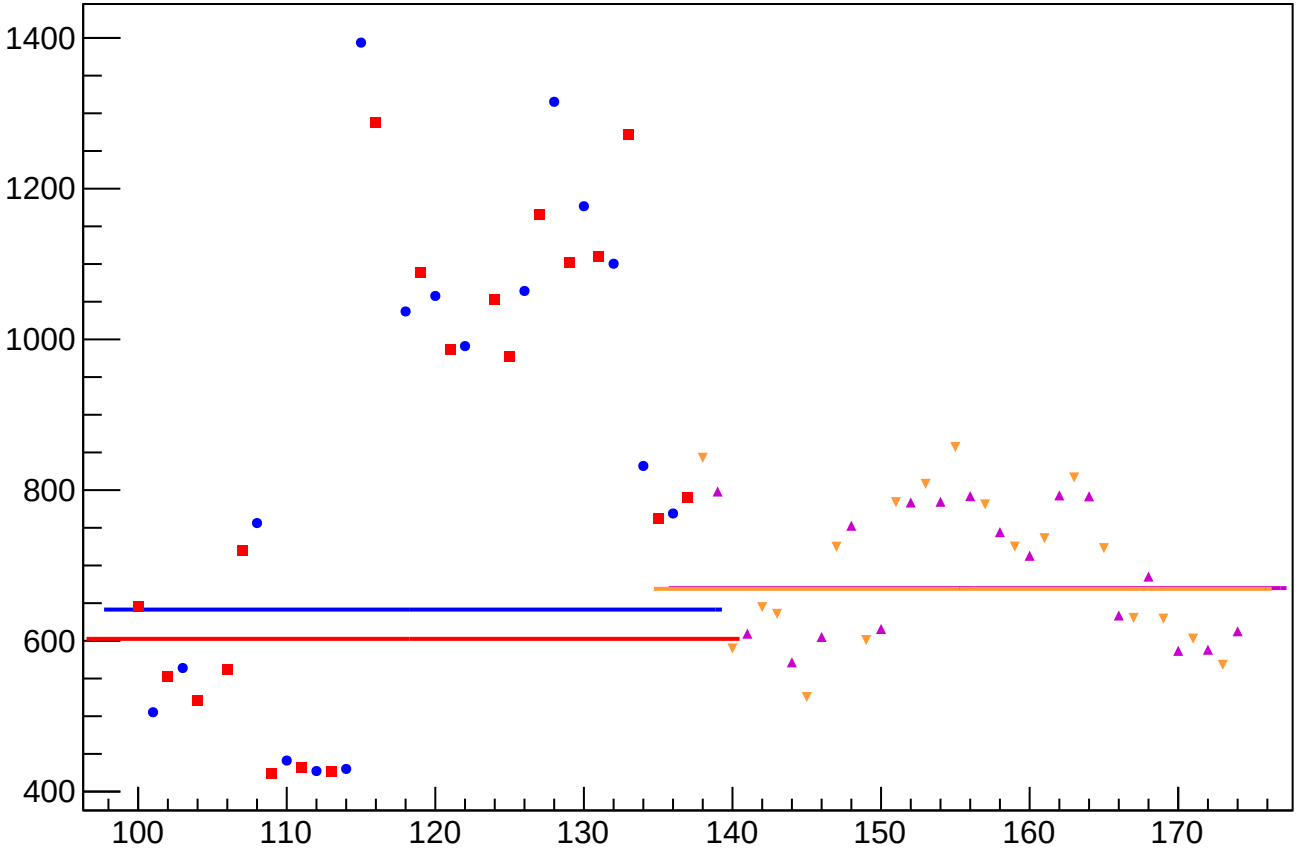
Left In: -117.348+/-175.565 χ^2/NDF:19.3/17

+ sign -605.784+/-144.612 χ^2/NDF: 71.3/34

All: -436.477+/-101.096 χ^2/NDF: 108.9/71

- 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: 669.057+/-0.124 χ^2/NDF:616789.0/18

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

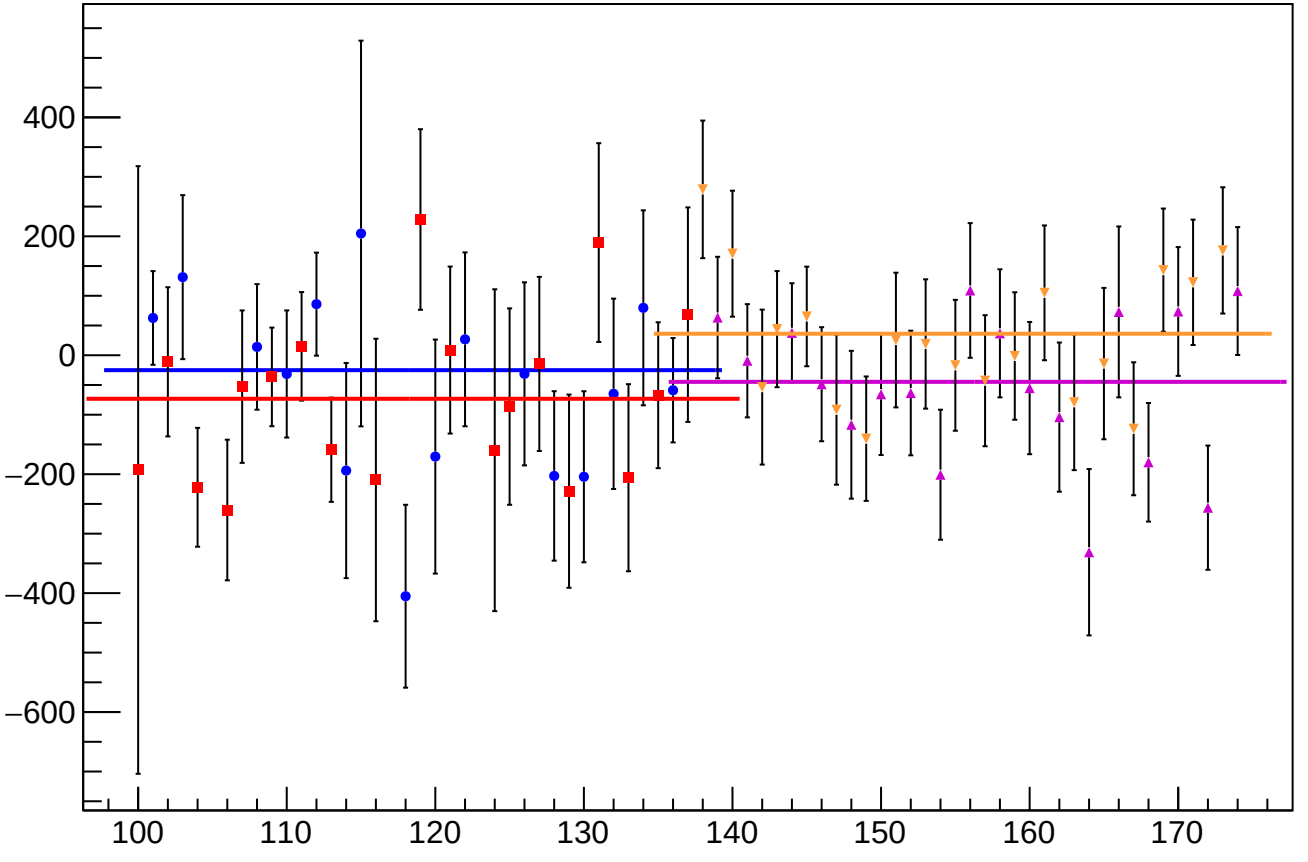
Left In: 670.007+/-0.124 χ^2/NDF:453724.7/17

+ sign 660.332+/-0.102 χ^2/NDF: 2507496.1/34

All: 653.176+/-0.071 χ^2/NDF: 5144559.2/71

- 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: 36.184+/-24.940 χ^2/NDF:18.5/18

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

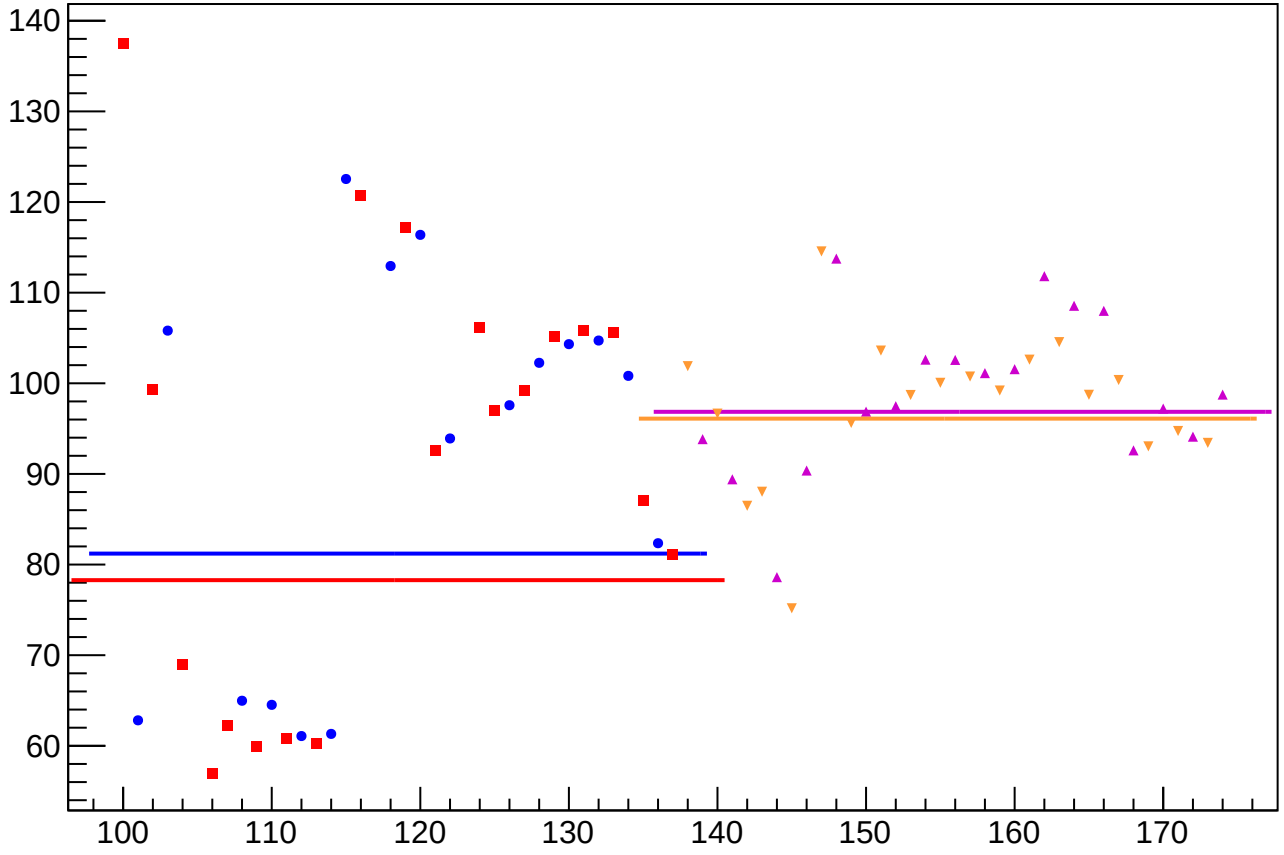
Left In: -44.724+/-25.270 χ^2/NDF:21.4/17

+ sign 12.329+/-19.488 χ^2/NDF: 37.0/34

All: -22.437+/-13.717 χ^2/NDF: 81.9/71

- 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: 96.101+/-0.018 χ^2/NDF:239835.5/18

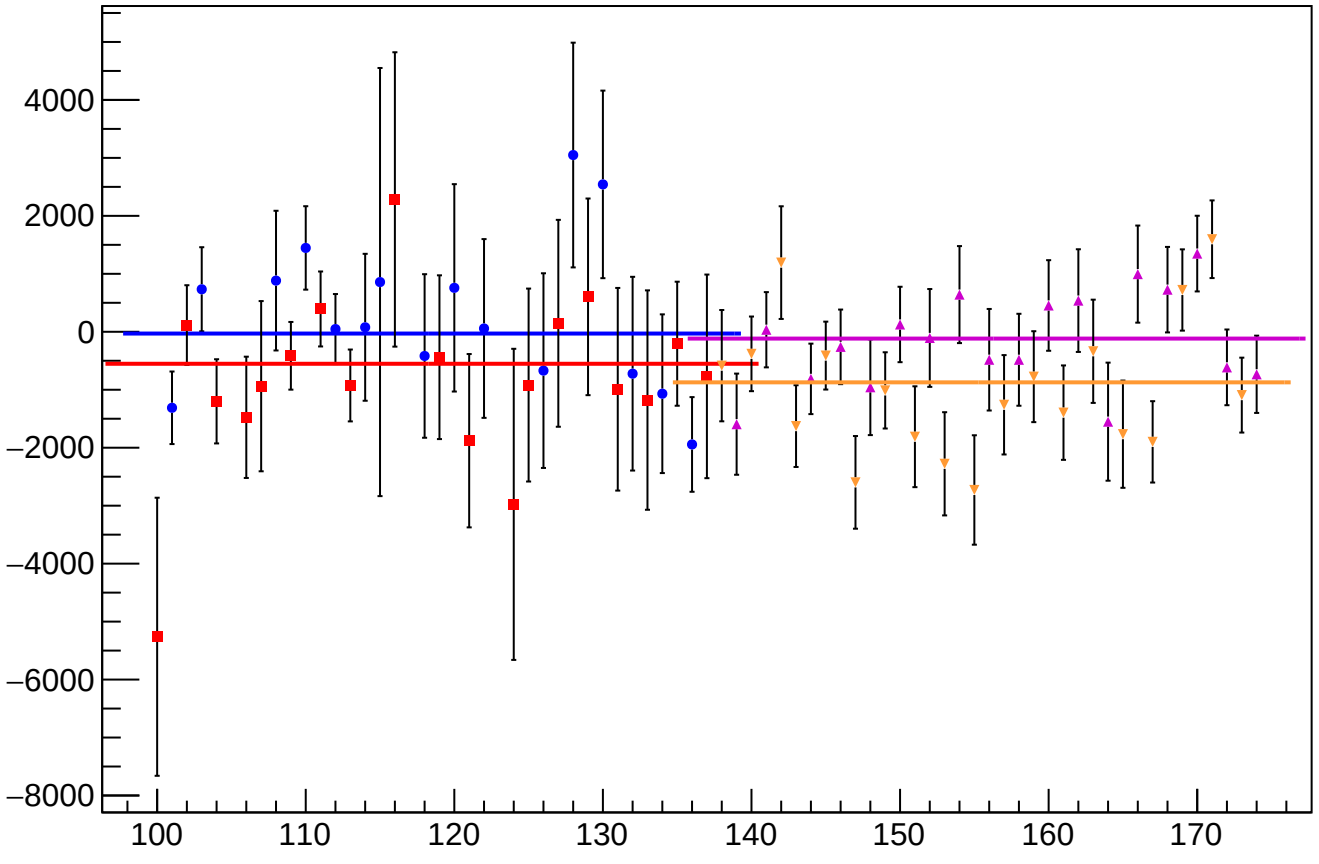
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.853+/-0.018 χ^2/NDF:233389.8/17

+ sign 90.302+/-0.014 χ^2/NDF: 1305181.0/34

All: 89.708+/-0.010 χ^2/NDF: 2928631.2/71

- 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: -872.370+/-174.934 χ^2/NDF:42.1/18

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

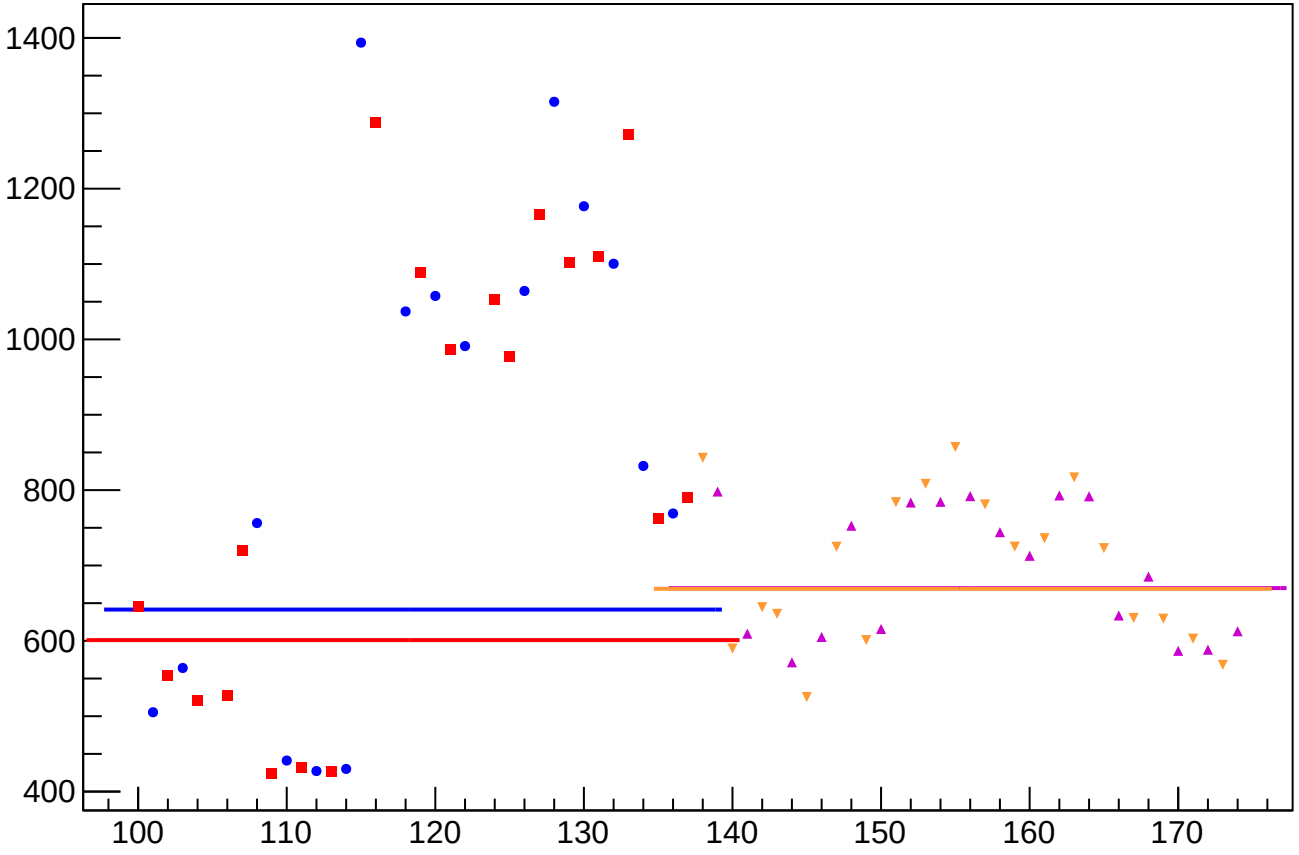
Left In: -117.351+/-175.565 χ^2/NDF:19.3/17

+ sign -605.796+/-144.613 χ^2/NDF: 71.3/34

All: -434.131+/-101.108 χ^2/NDF: 108.3/71

- 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: 669.058+/-0.124 χ^2/NDF:616789.1/18

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

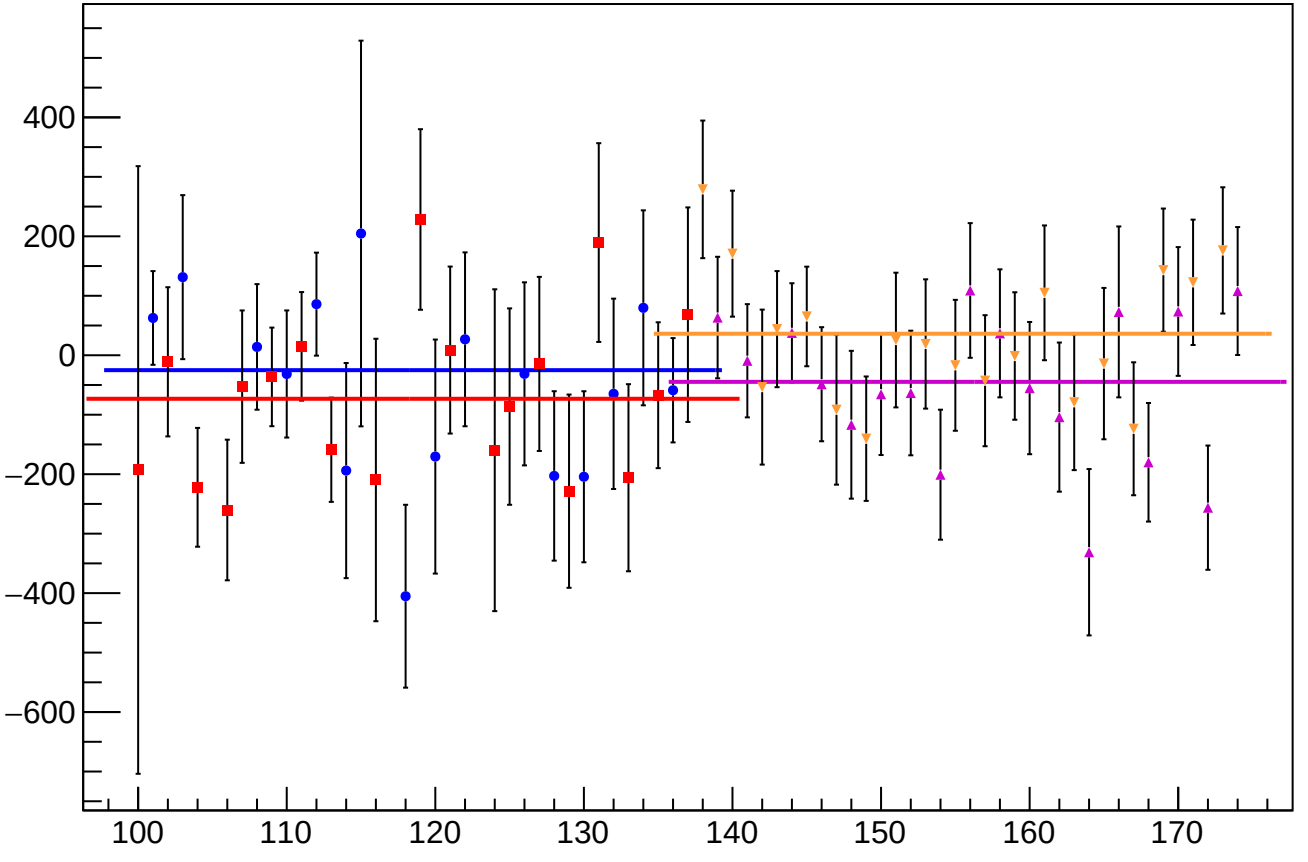
Left In: 670.007+/-0.124 χ^2/NDF:453725.2/17

+ sign 660.335+/-0.102 χ^2/NDF: 2507445.0/34

All: 652.887+/-0.071 χ^2/NDF: 5157364.0/71

- sign 645.765+/-0.100 χ^2/NDF: 2639541.8/36

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 36.184+/-24.940 χ^2/NDF:18.5/18

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

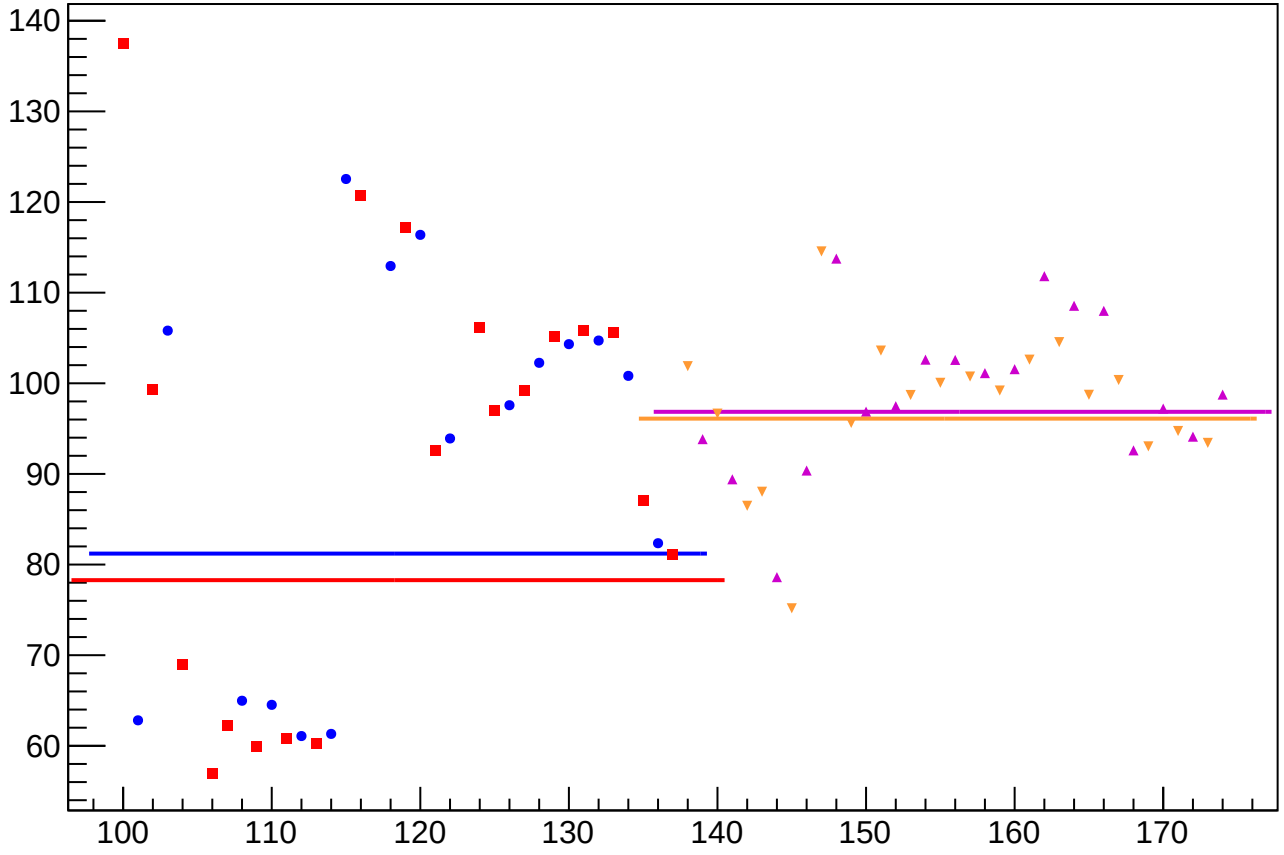
Left In: -44.724+/-25.270 χ^2/NDF:21.4/17

+ sign 12.329+/-19.488 χ^2/NDF: 37.0/34

All: -22.437+/-13.717 χ^2/NDF: 81.9/71

- 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: 96.101+/-0.018 χ^2/NDF:239835.5/18

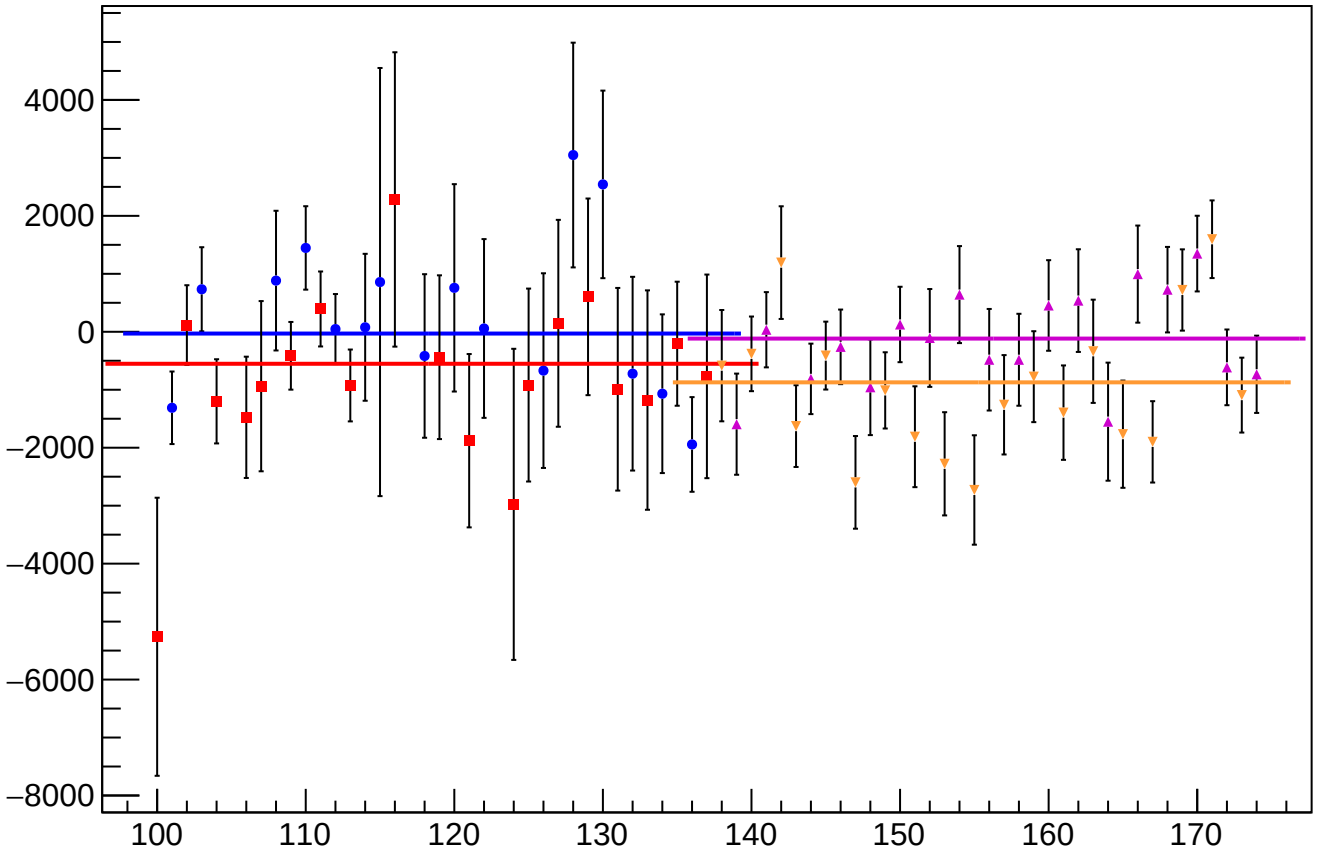
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.853+/-0.018 χ^2/NDF:233389.8/17

+ sign 90.302+/-0.014 χ^2/NDF: 1305181.0/34

All: 89.708+/-0.010 χ^2/NDF: 2928631.2/71

- 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: -872.370+/-174.934 χ^2/NDF:42.1/18

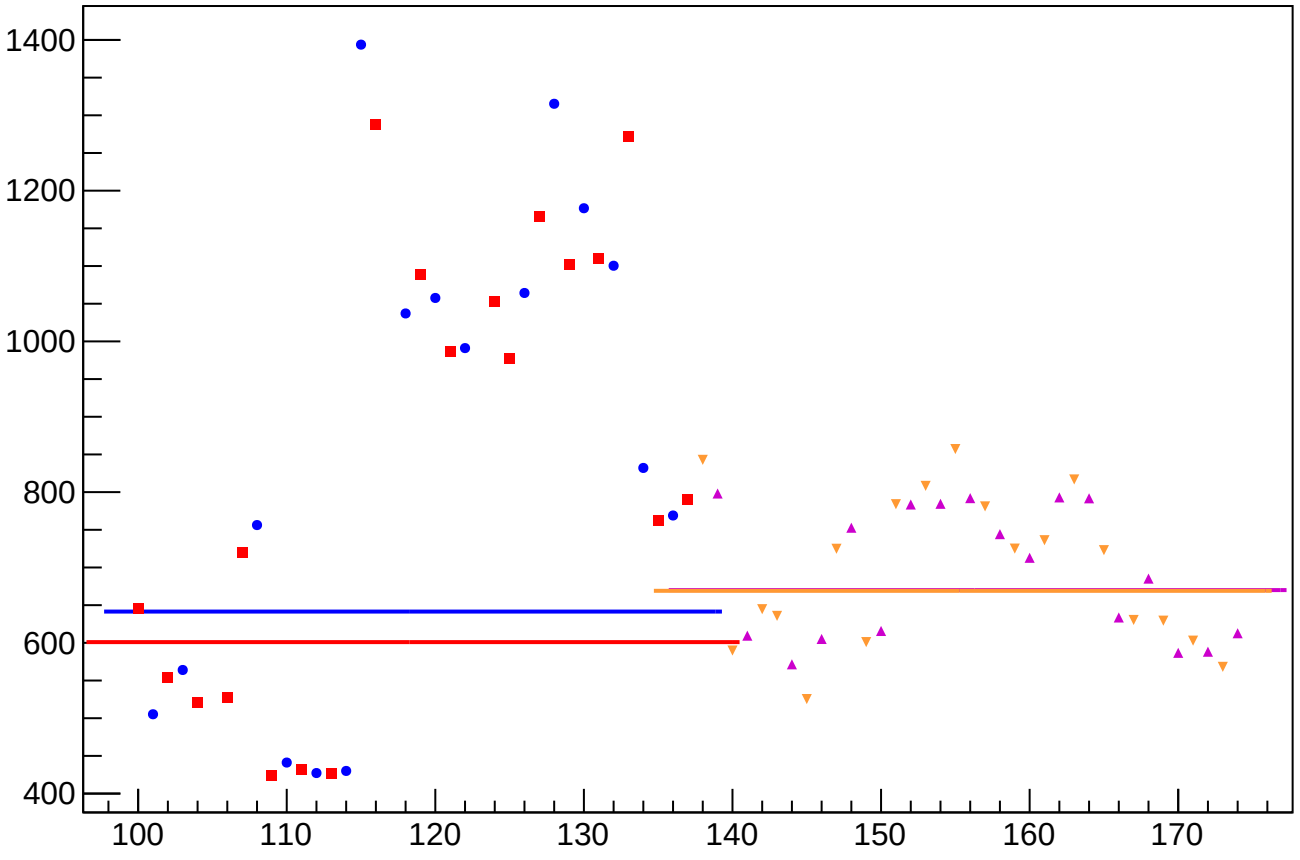
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -117.351+/-175.565 χ^2/NDF:19.3/17

+ sign -605.796+/-144.613 χ^2/NDF: 71.3/34

All: -434.131+/-101.108 χ^2/NDF: 108.3/71

- 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: 669.058+/-0.124 χ^2/NDF:616789.1/18

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

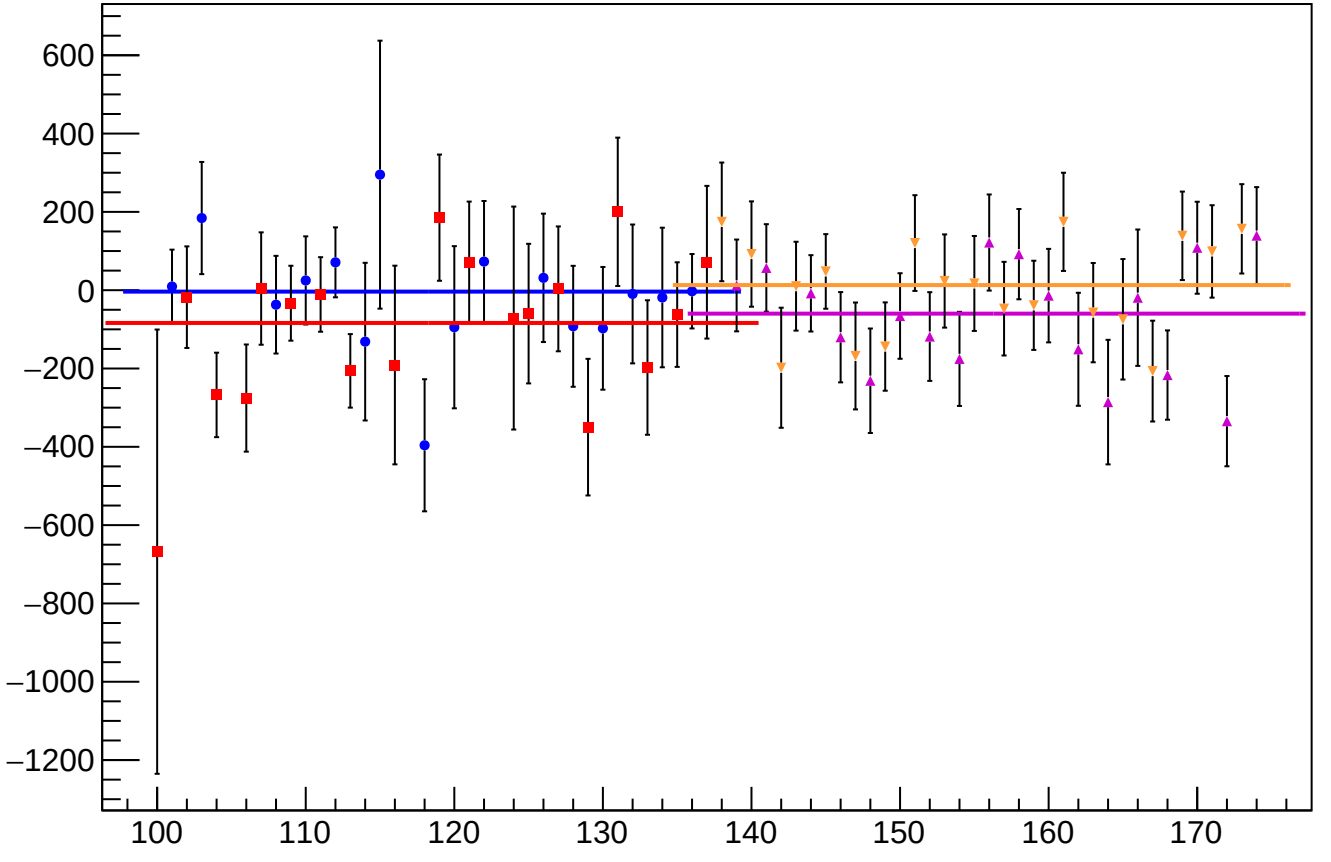
Left In: 670.007+/-0.124 χ^2/NDF:453725.2/17

+ sign 660.335+/-0.102 χ^2/NDF: 2507445.0/34

All: 652.887+/-0.071 χ^2/NDF: 5157364.0/71

- 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: 13.042+/-28.068 χ^2/NDF:17.0/18

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

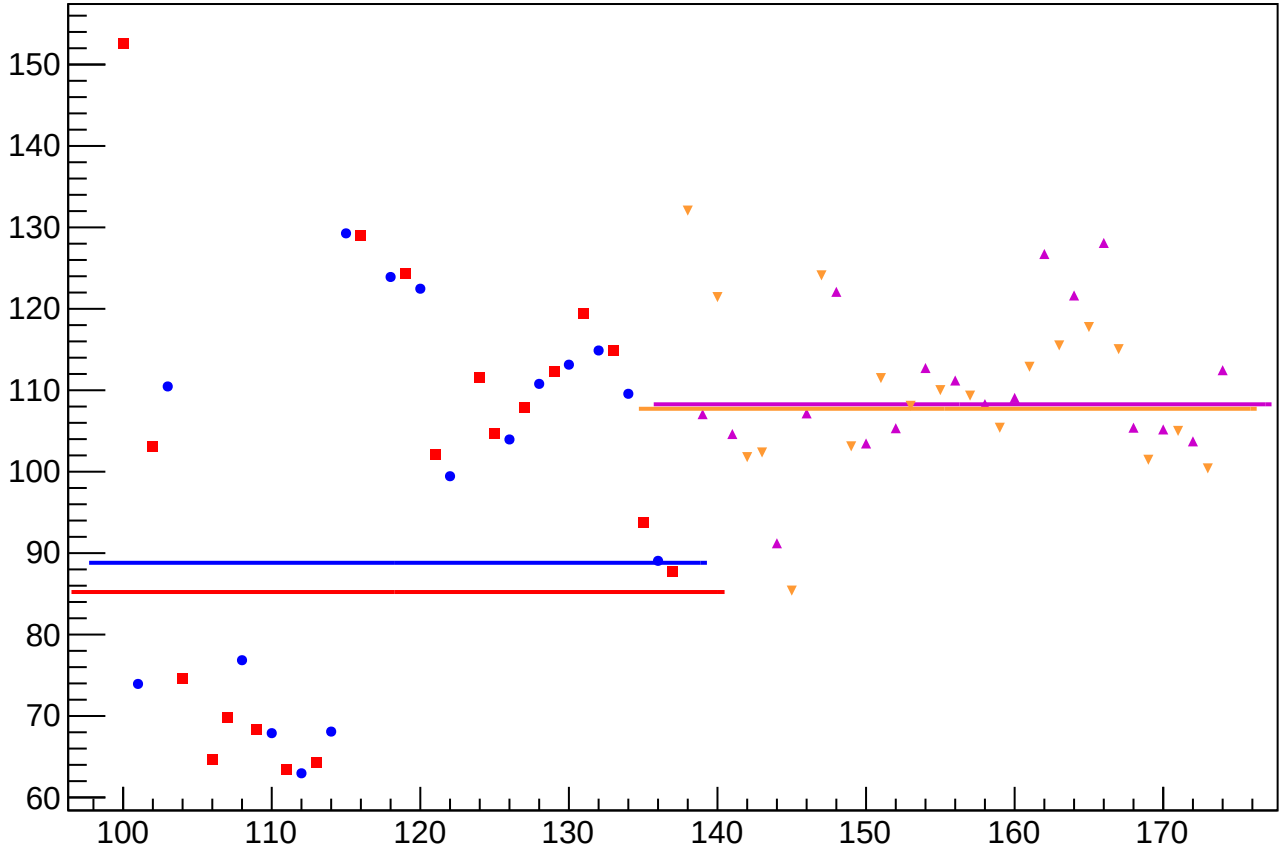
Left In: -59.877+/-28.369 χ^2/NDF:23.6/17

+ sign 6.319+/-21.685 χ^2/NDF: 27.5/34

All: -32.389+/-15.235 χ^2/NDF: 76.8/71

- 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: 107.727+/-0.020 χ^2/NDF:266988.3/18

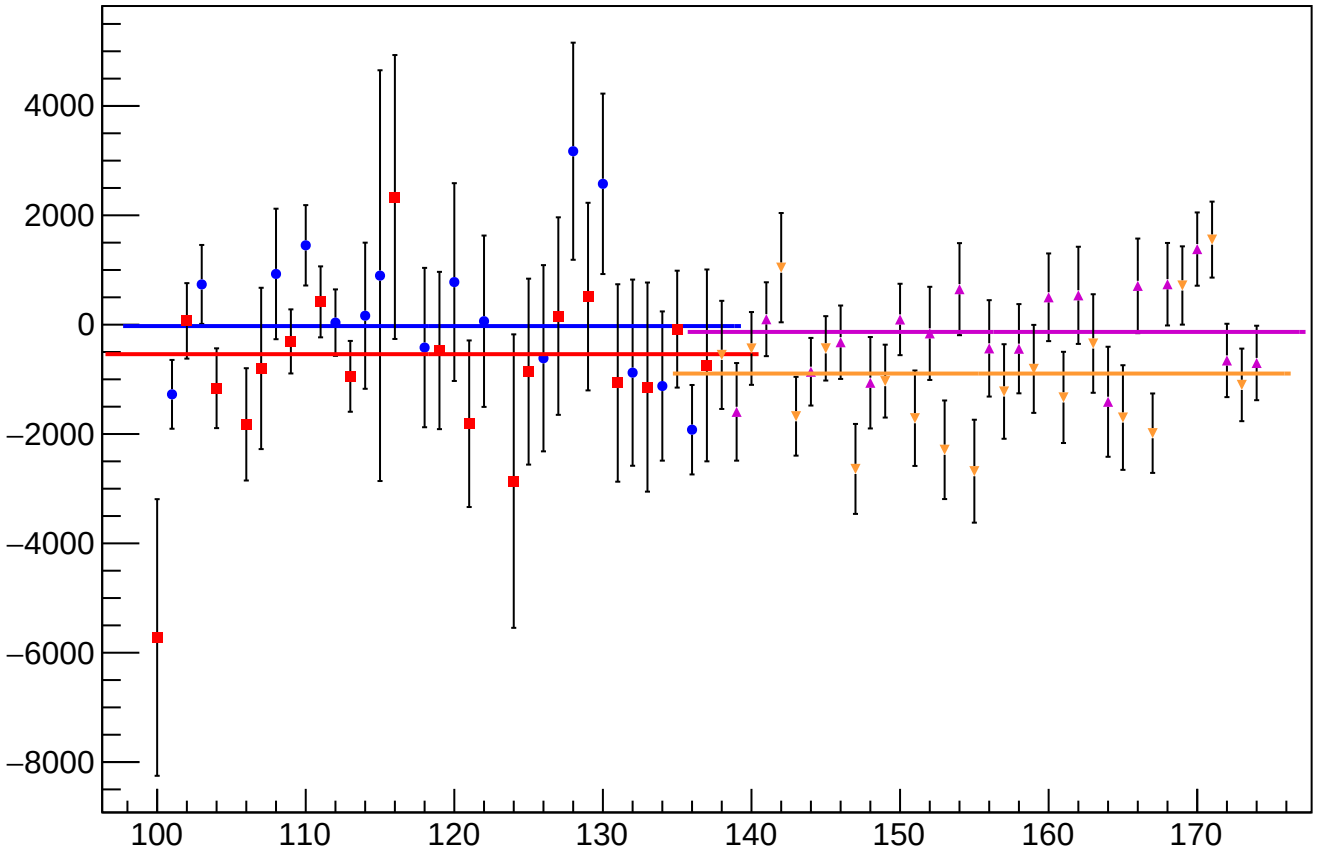
Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 108.276+/-0.020 χ^2/NDF:175235.1/17

+ sign 100.102+/-0.015 χ^2/NDF: 1357707.2/34

All: 99.217+/-0.011 χ^2/NDF: 2991977.8/71

- sign 98.353+/-0.015 χ^2/NDF: 1627684.5/36



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -894.161+/-178.685 χ^2/NDF:38.9/18

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

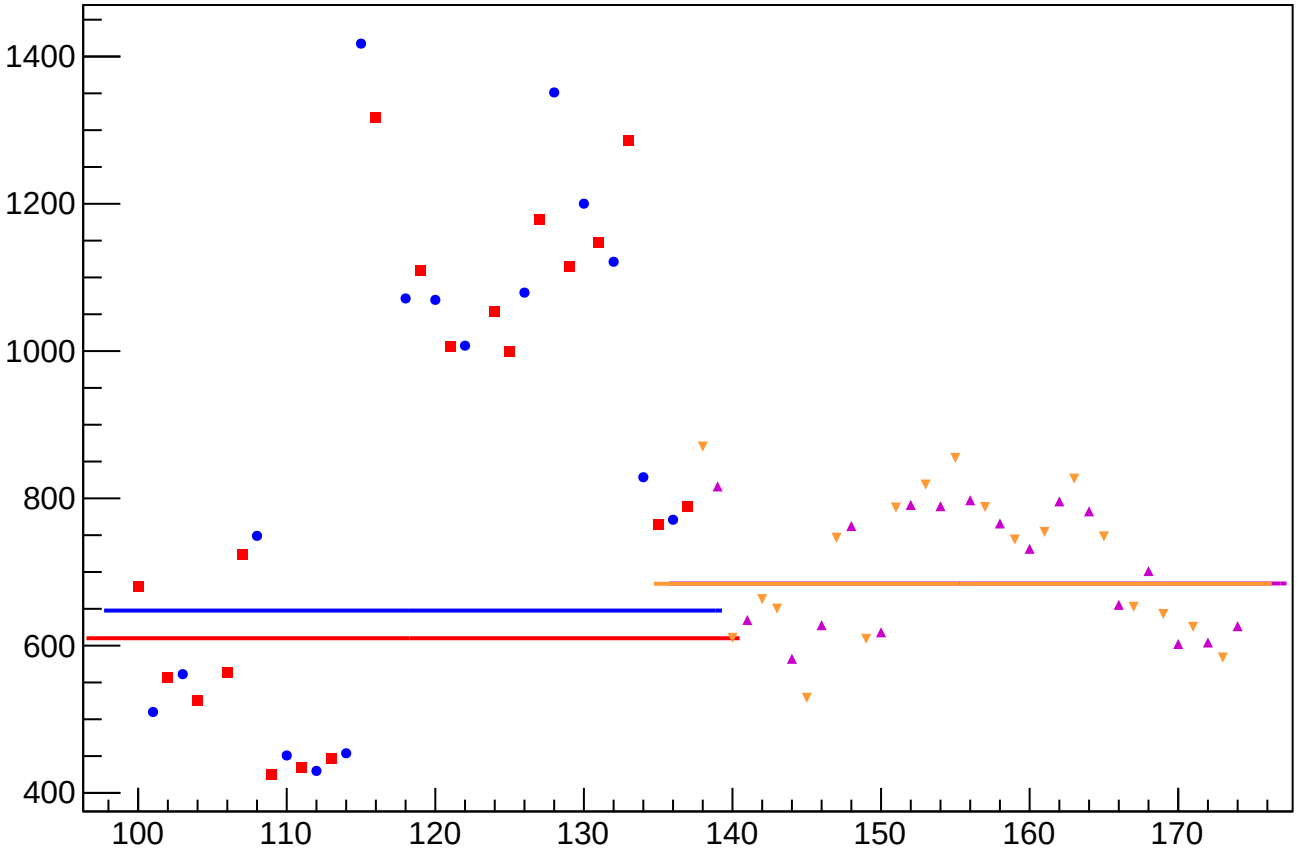
Left In: -132.853+/-179.198 χ^2/NDF:18.2/17

\+ sign -614.711+/-147.152 χ^2/NDF: 68.0/34

All: -442.281+/-102.866 χ^2/NDF: 104.4/71

\- 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: 684.051+/-0.126 χ^2/NDF:597984.0/18

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

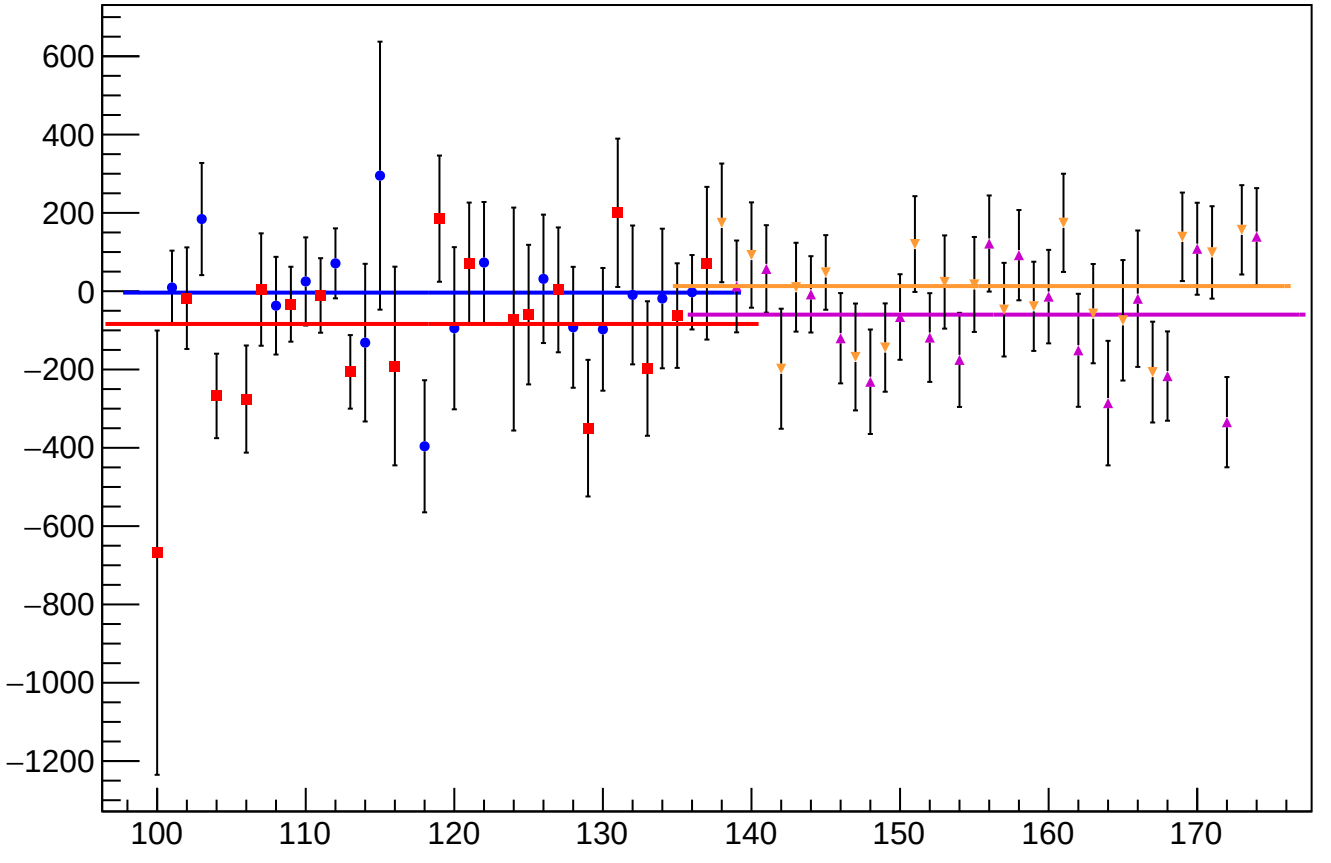
Left In: 684.400+/-0.127 χ^2/NDF:410270.2/17

+ sign 672.334+/-0.104 χ^2/NDF: 2512524.0/34

All: 664.987+/-0.073 χ^2/NDF: 5129182.3/71

- 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: 13.043+/-28.068 χ^2/NDF:17.0/18

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

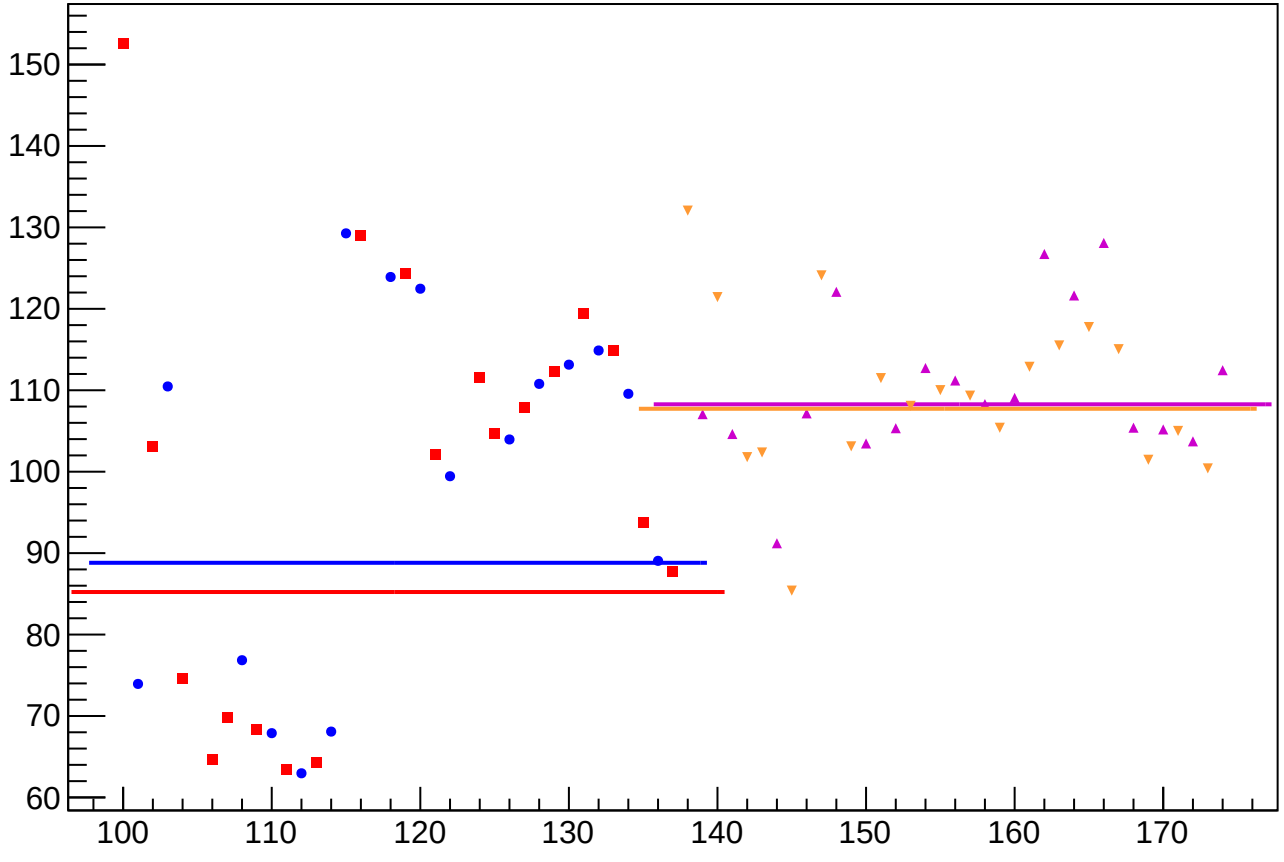
Left In: -59.877+/-28.369 χ^2/NDF:23.6/17

+ sign 6.320+/-21.685 χ^2/NDF: 27.5/34

All: -32.388+/-15.235 χ^2/NDF: 76.8/71

- 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: 107.727+/-0.020 χ^2/NDF:266986.4/18

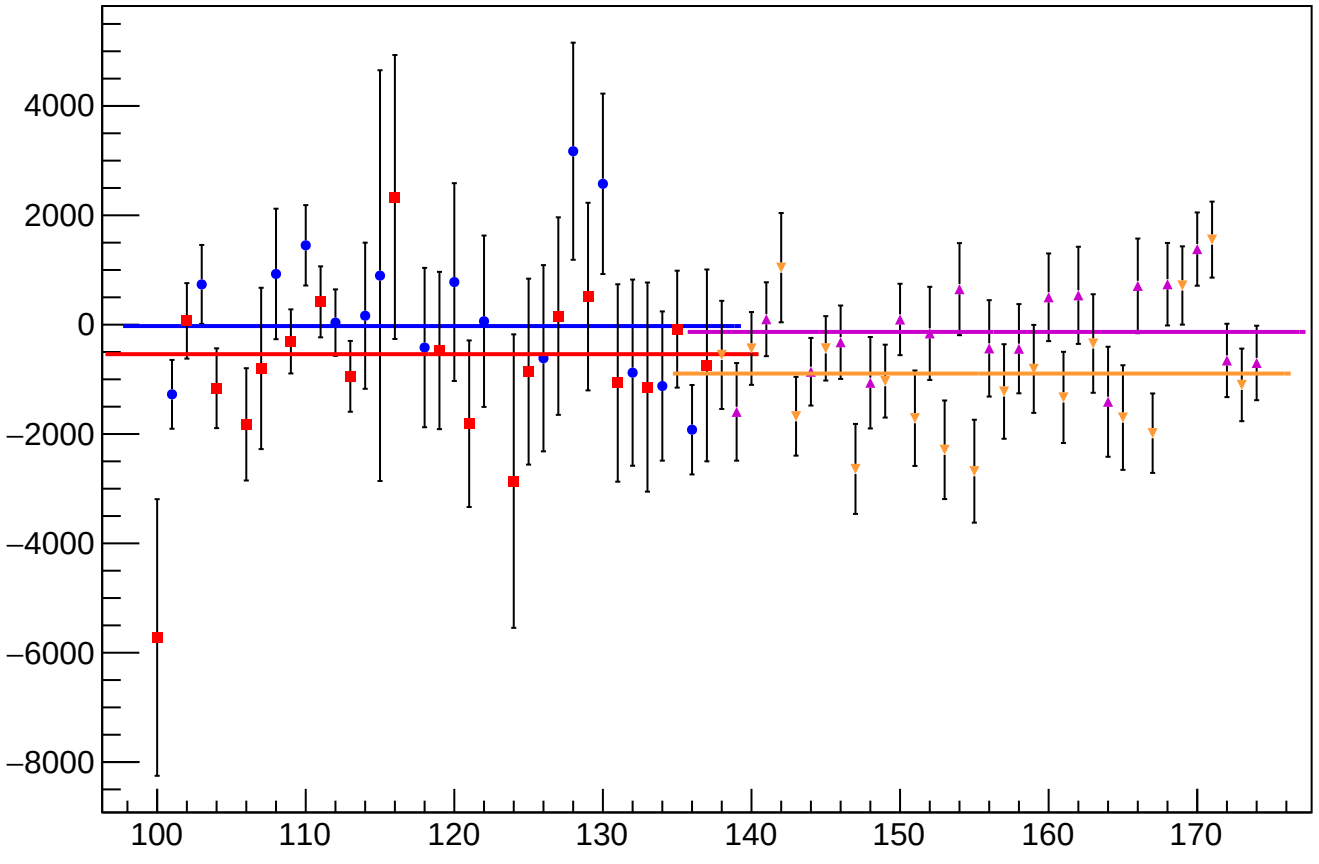
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 108.276+/-0.020 χ^2/NDF:175233.2/17

+ sign 100.102+/-0.015 χ^2/NDF: 1357712.1/34

All: 99.217+/-0.011 χ^2/NDF: 2991992.9/71

- 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: -894.159+/-178.685 χ^2/NDF:38.9/18

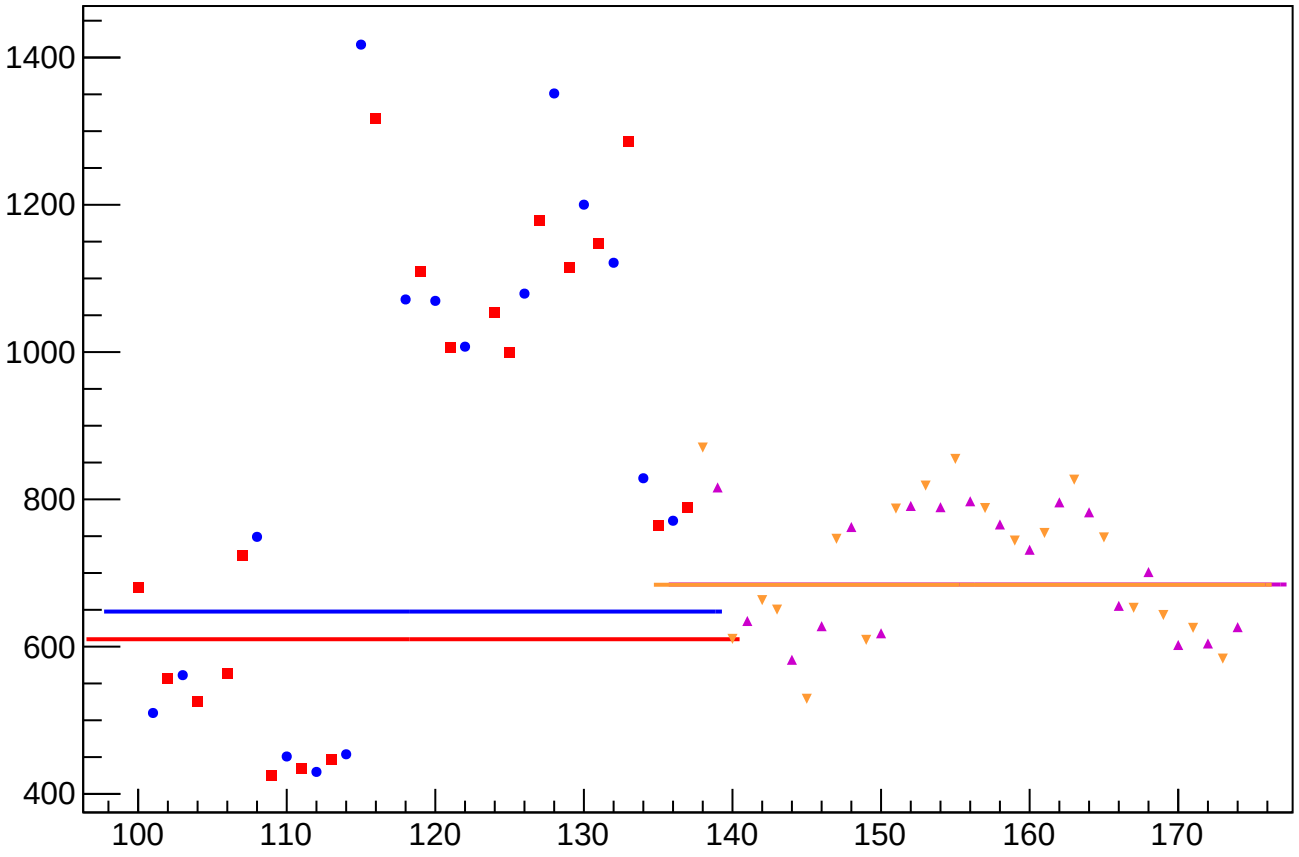
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -132.851+/-179.198 χ^2/NDF:18.2/17

\+ sign -614.709+/-147.152 χ^2/NDF: 68.0/34

All: -442.280+/-102.866 χ^2/NDF: 104.4/71

\- 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: 684.051+/-0.126 χ^2/NDF:597984.7/18

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

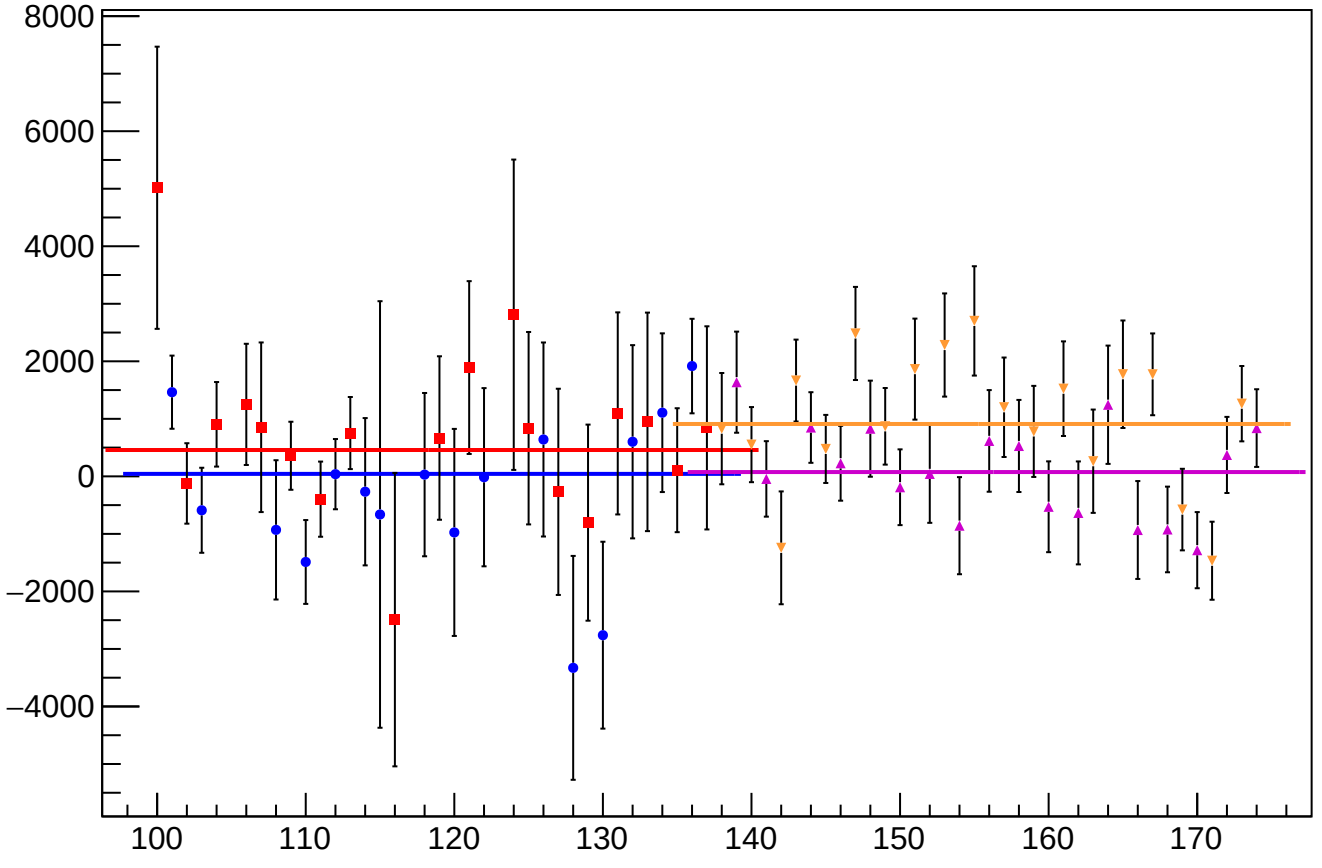
Left In: 684.400+/-0.127 χ^2/NDF:410267.8/17

+ sign 672.334+/-0.104 χ^2/NDF: 2512529.8/34

All: 664.987+/-0.073 χ^2/NDF: 5129189.6/71

- 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: 910.554+/-176.817 χ^2/NDF:38.2/18

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

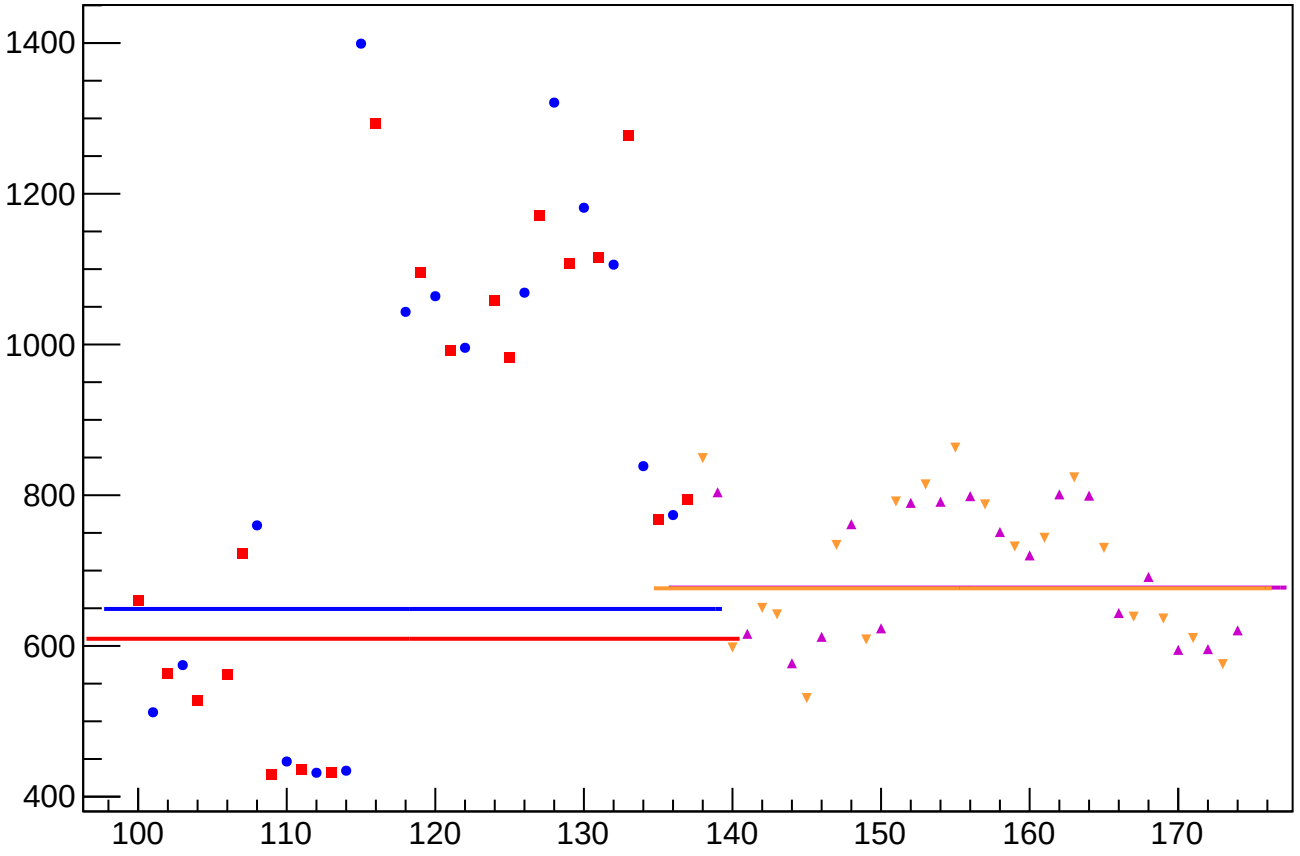
Left In: 74.871+/-177.479 χ^2/NDF:19.1/17

+ sign 635.957+/-146.174 χ^2/NDF: 69.0/34

All: 417.971+/-102.196 χ^2/NDF: 105.4/71

- 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: 676.452+/-0.125 χ^2/NDF:604484.8/18

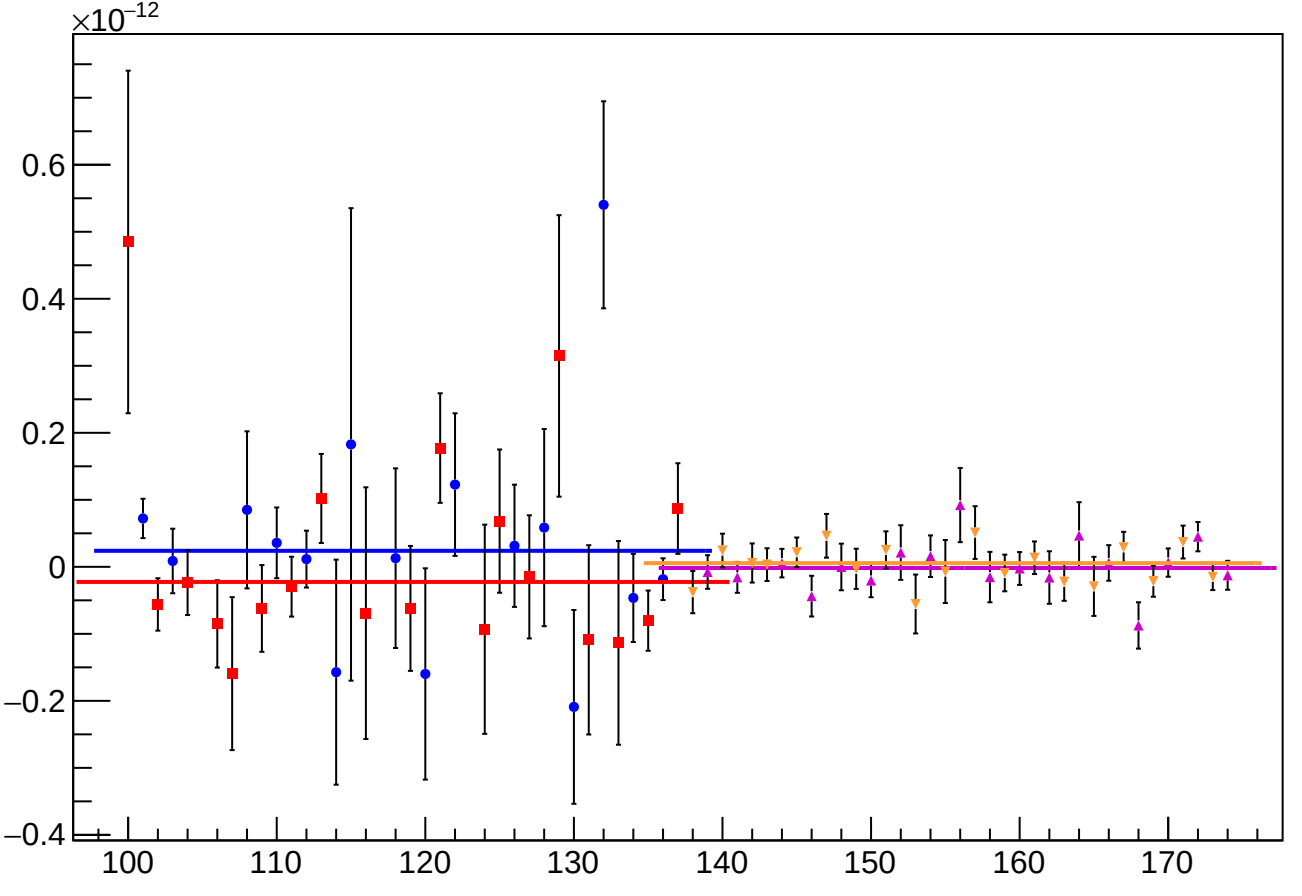
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 677.460+/-0.125 χ^2/NDF:444209.4/17

+ sign 667.790+/-0.103 χ^2/NDF: 2465461.8/34

All: 660.528+/-0.072 χ^2/NDF: 5065919.7/71

- 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:15.5/18

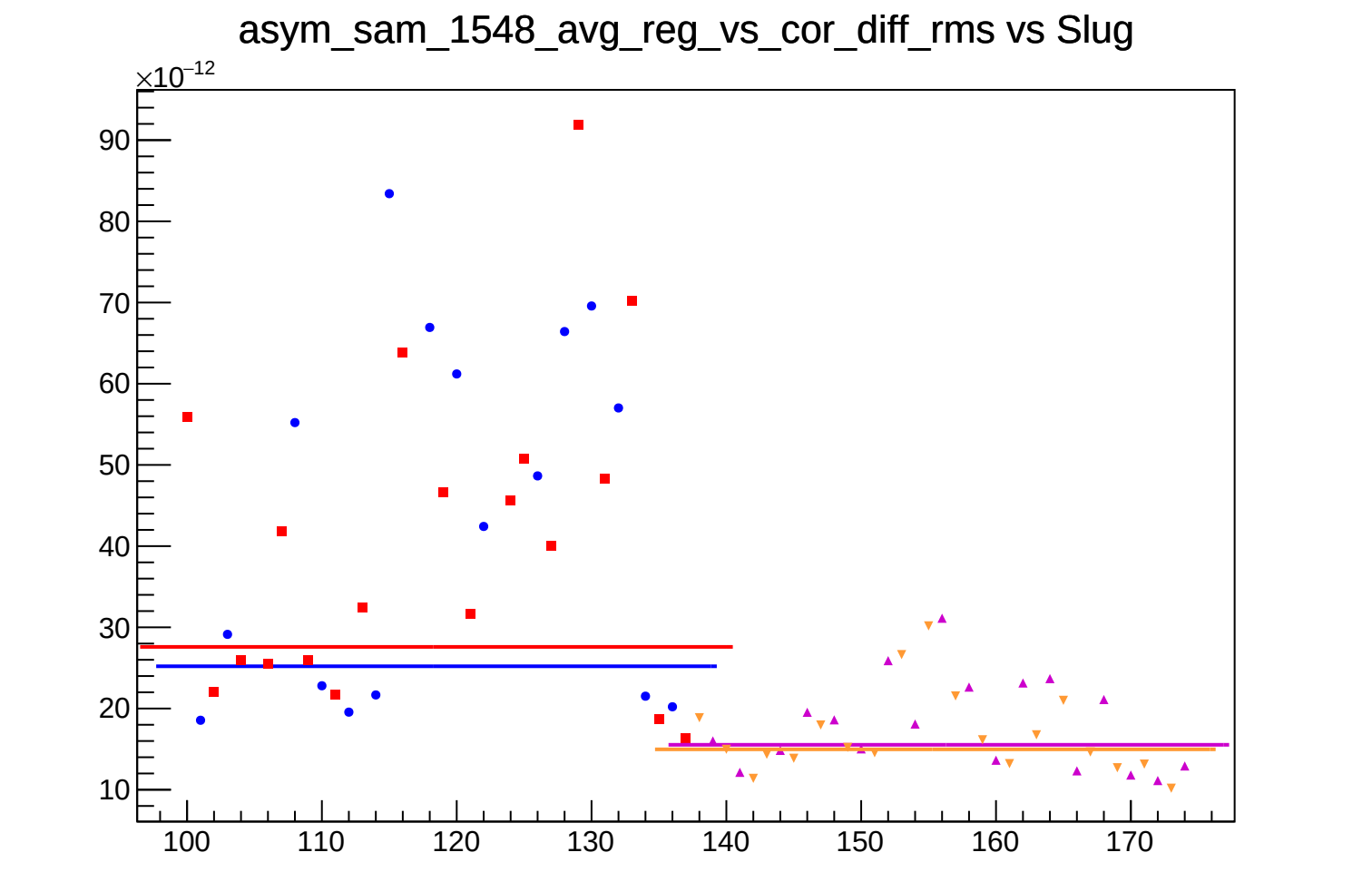
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:18.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 40.4/34

All: 0.000+/-0.000 χ^2/NDF: 88.8/71

- sign -0.000+/-0.000 χ^2/NDF: 46.0/36


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug
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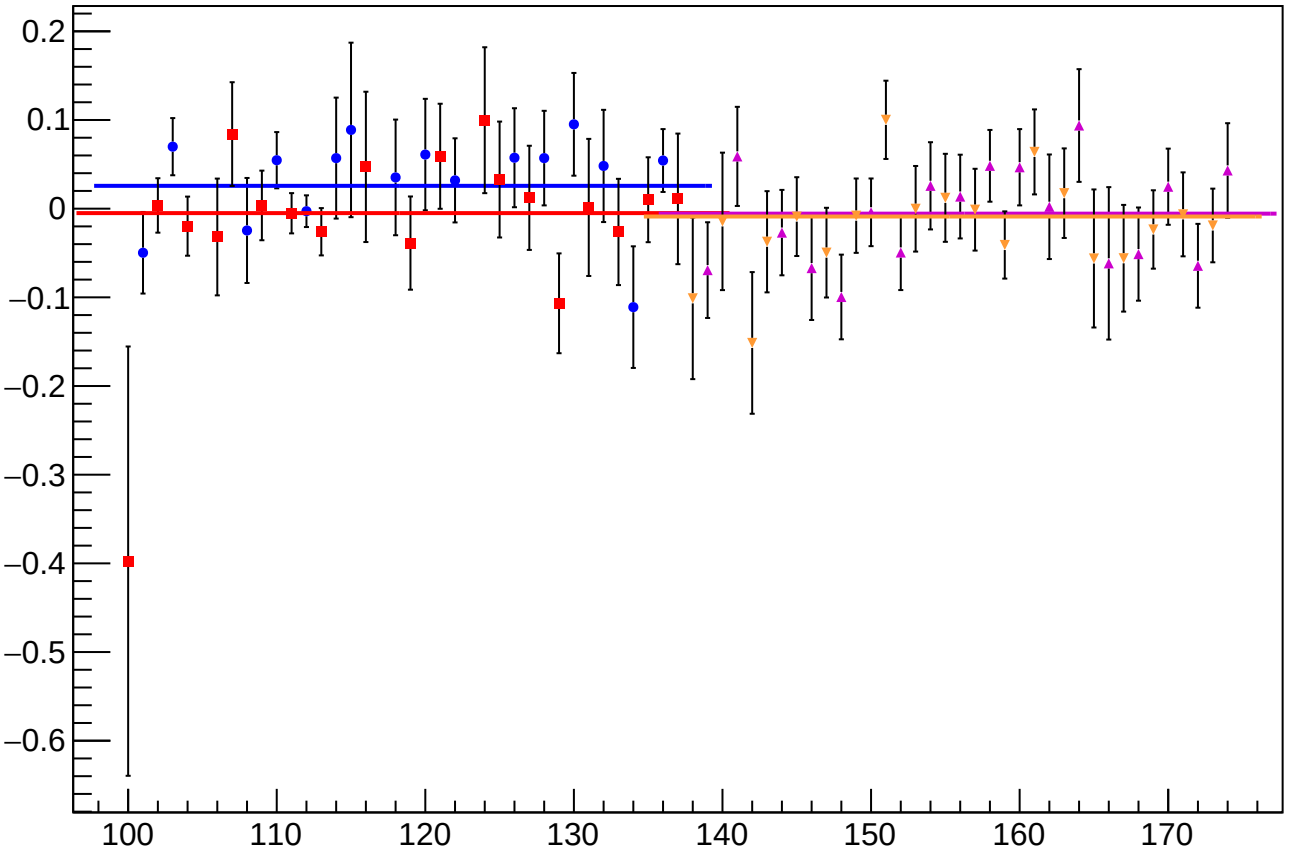
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:697159.5/18
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:864768.9/17
+ sign 0.000+/-0.000 χ²/NDF: 2781424.7/34
All: 0.000+/-0.000 χ²/NDF: 5587758.3/71
- sign 0.000+/-0.000 χ²/NDF: 2791326.8/36



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.012 χ^2/NDF:15.9/18

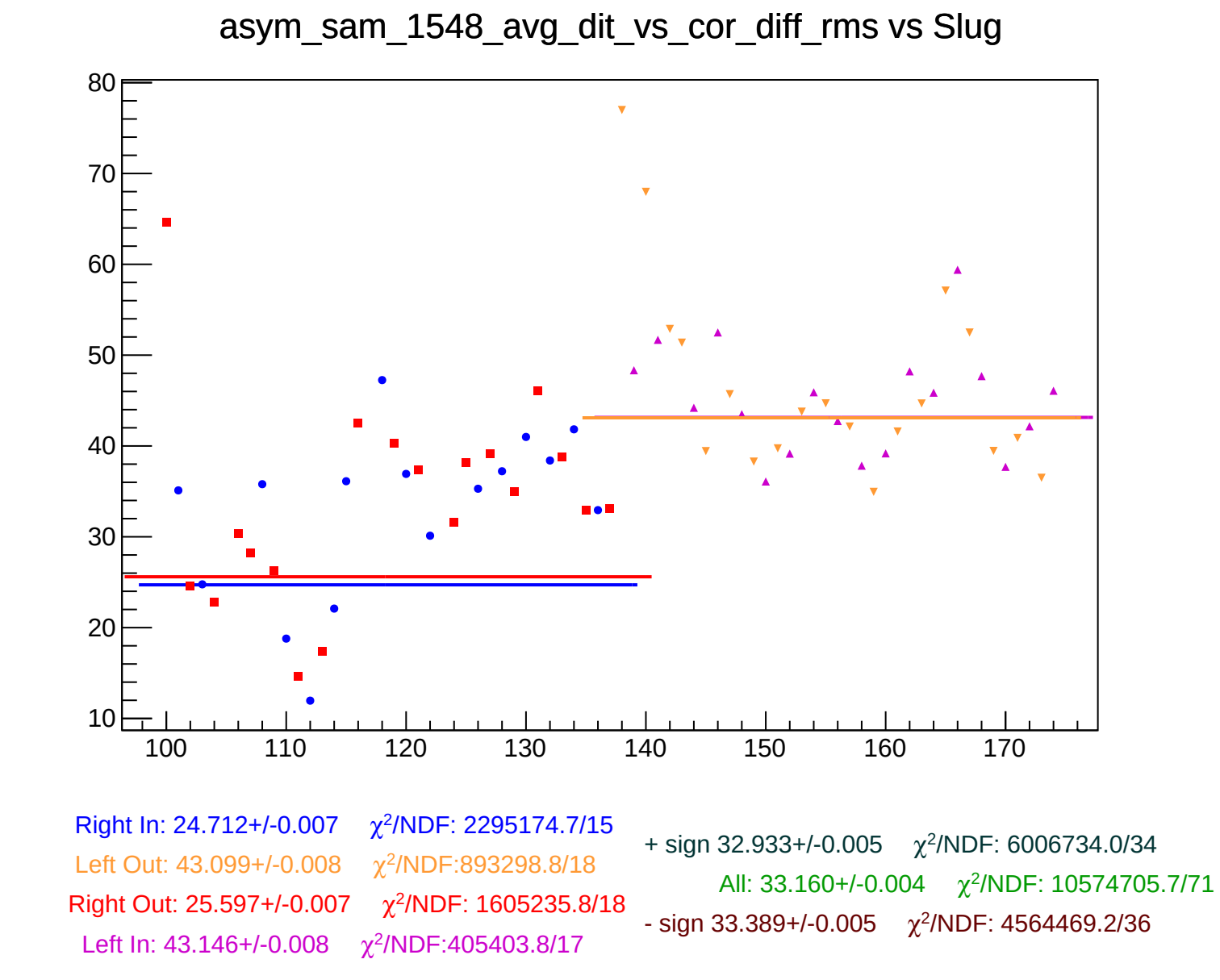
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.012 χ^2/NDF:19.3/17

+ sign 0.010+/-0.008 χ^2/NDF: 37.4/34

All: 0.003+/-0.005 χ^2/NDF: 72.4/71

- sign -0.005+/-0.008 χ^2/NDF: 32.9/36


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug
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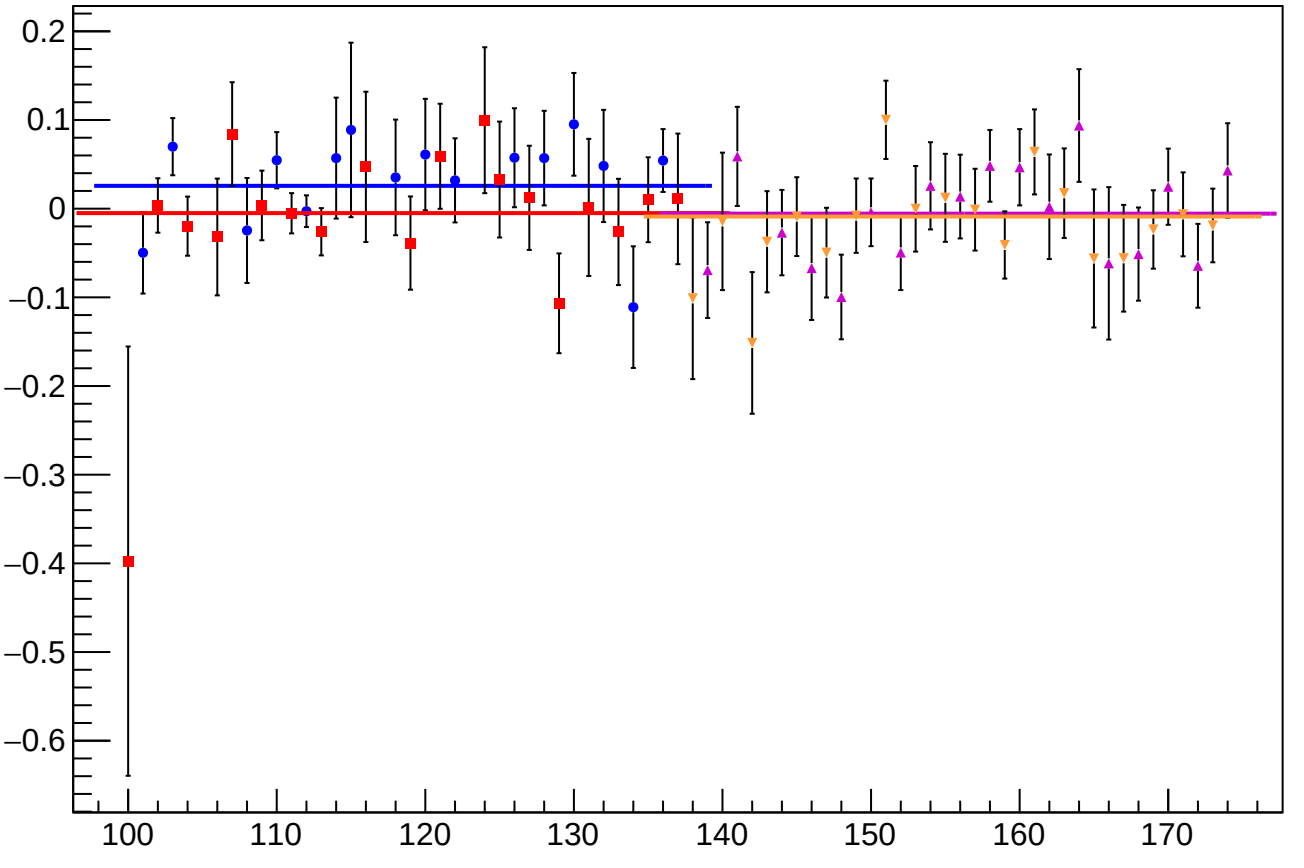
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 43.099+/-0.008 χ²/NDF:893298.8/18
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 43.146+/-0.008 χ²/NDF:405403.8/17
+ sign 32.933+/-0.005 χ²/NDF: 6006734.0/34
All: 33.160+/-0.004 χ²/NDF: 10574705.7/71
- sign 33.389+/-0.005 χ²/NDF: 4564469.2/36



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.012 χ^2/NDF:15.9/18

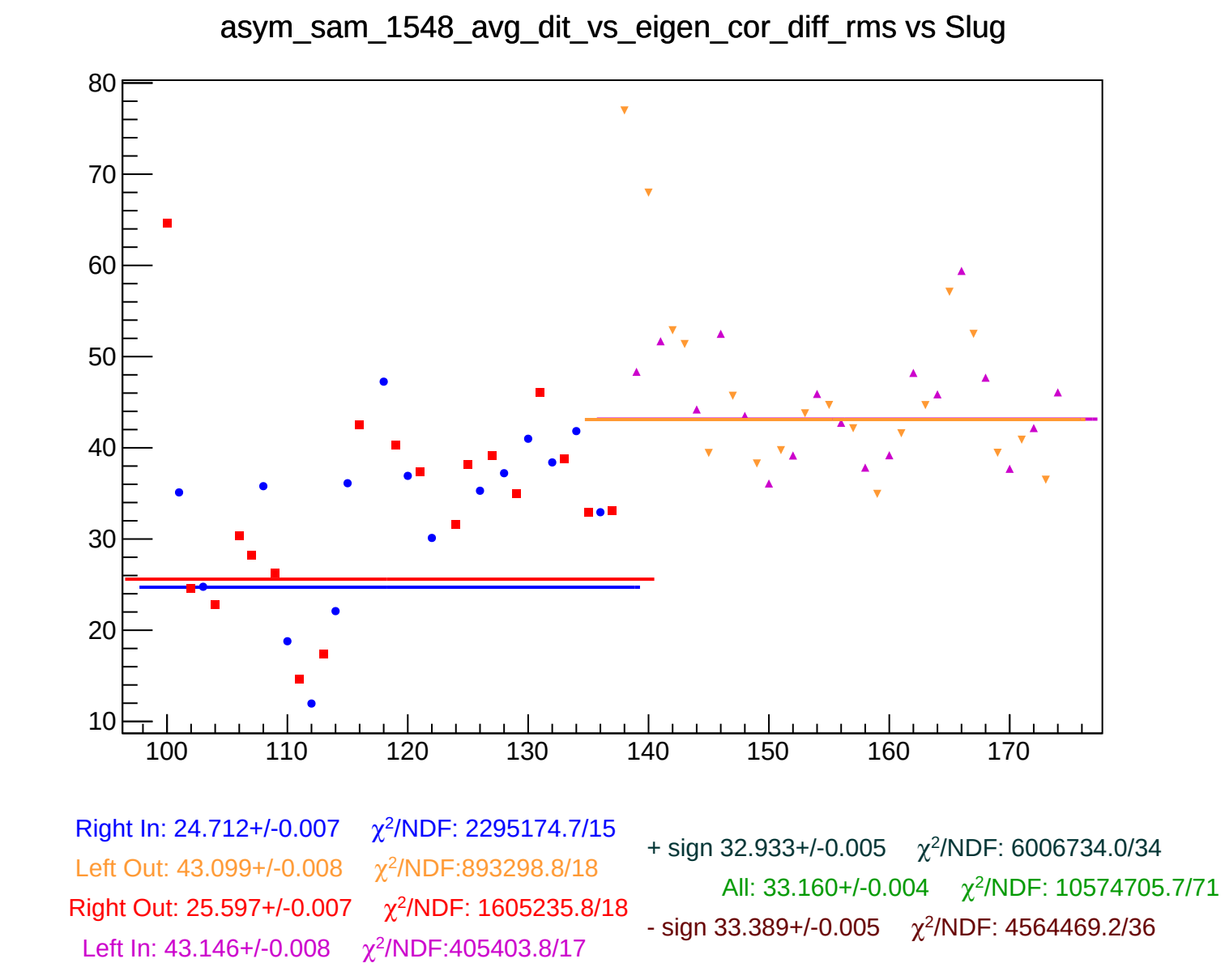
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.012 χ^2/NDF:19.3/17

+ sign 0.010+/-0.008 χ^2/NDF: 37.4/34

All: 0.003+/-0.005 χ^2/NDF: 72.4/71

- sign -0.005+/-0.008 χ^2/NDF: 32.9/36


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug
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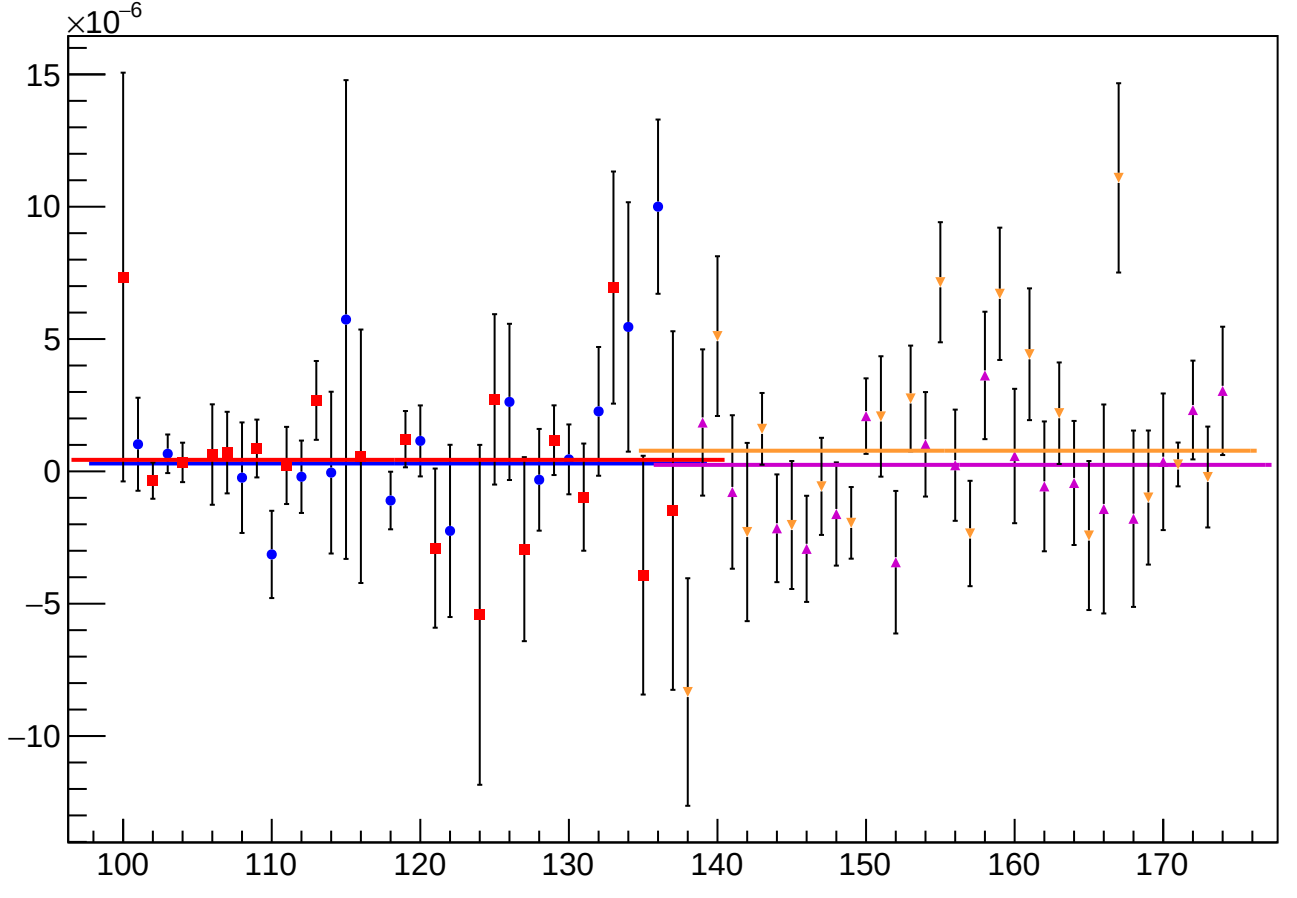
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 43.099+/-0.008 χ²/NDF:893298.8/18
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 43.146+/-0.008 χ²/NDF:405403.8/17
+ sign 32.933+/-0.005 χ²/NDF: 6006734.0/34
All: 33.160+/-0.004 χ²/NDF: 10574705.7/71
- sign 33.389+/-0.005 χ²/NDF: 4564469.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.4/18

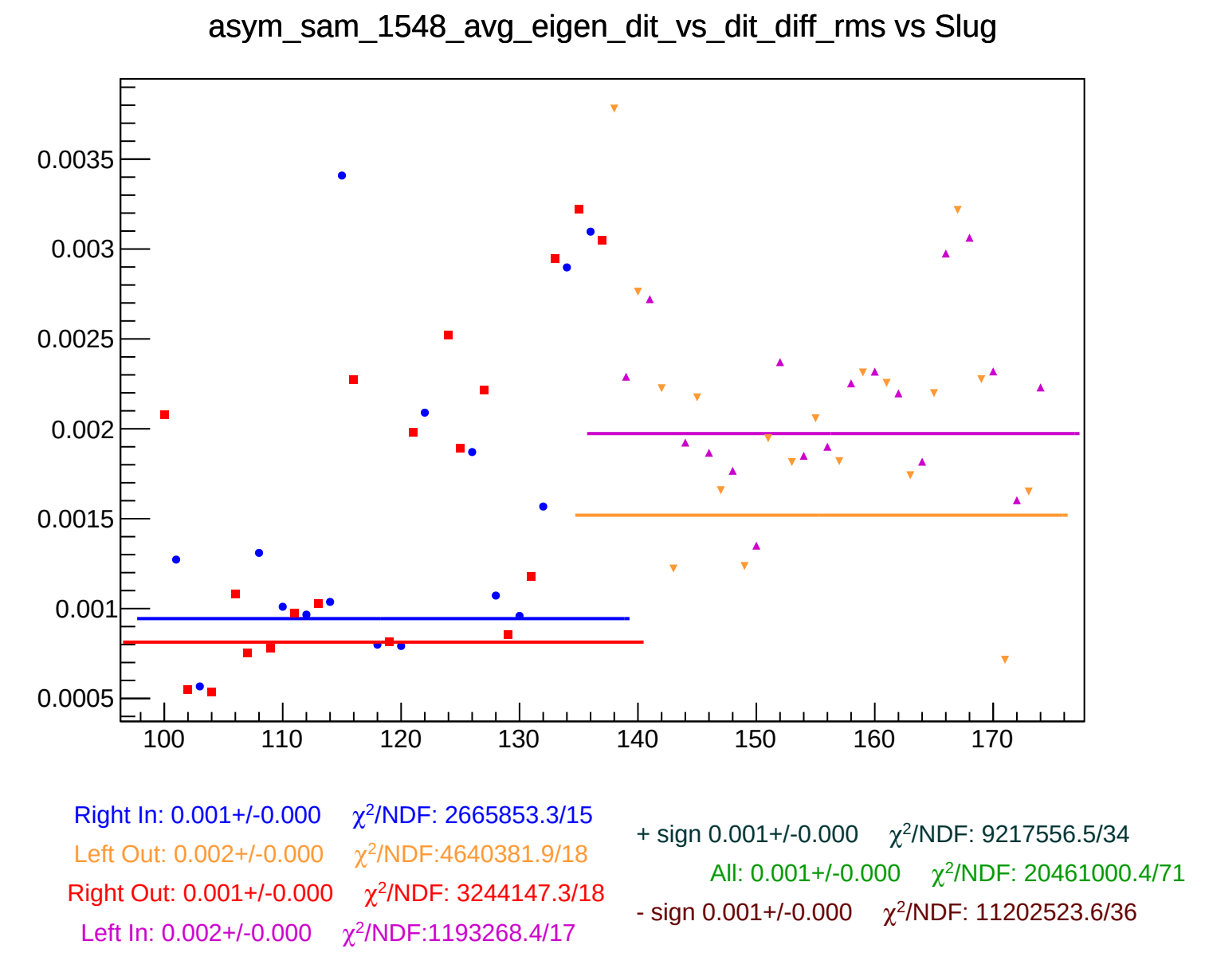
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:14.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 64.4/34

All: 0.000+/-0.000 χ^2/NDF: 91.5/71

- sign 0.000+/-0.000 χ^2/NDF: 27.0/36


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
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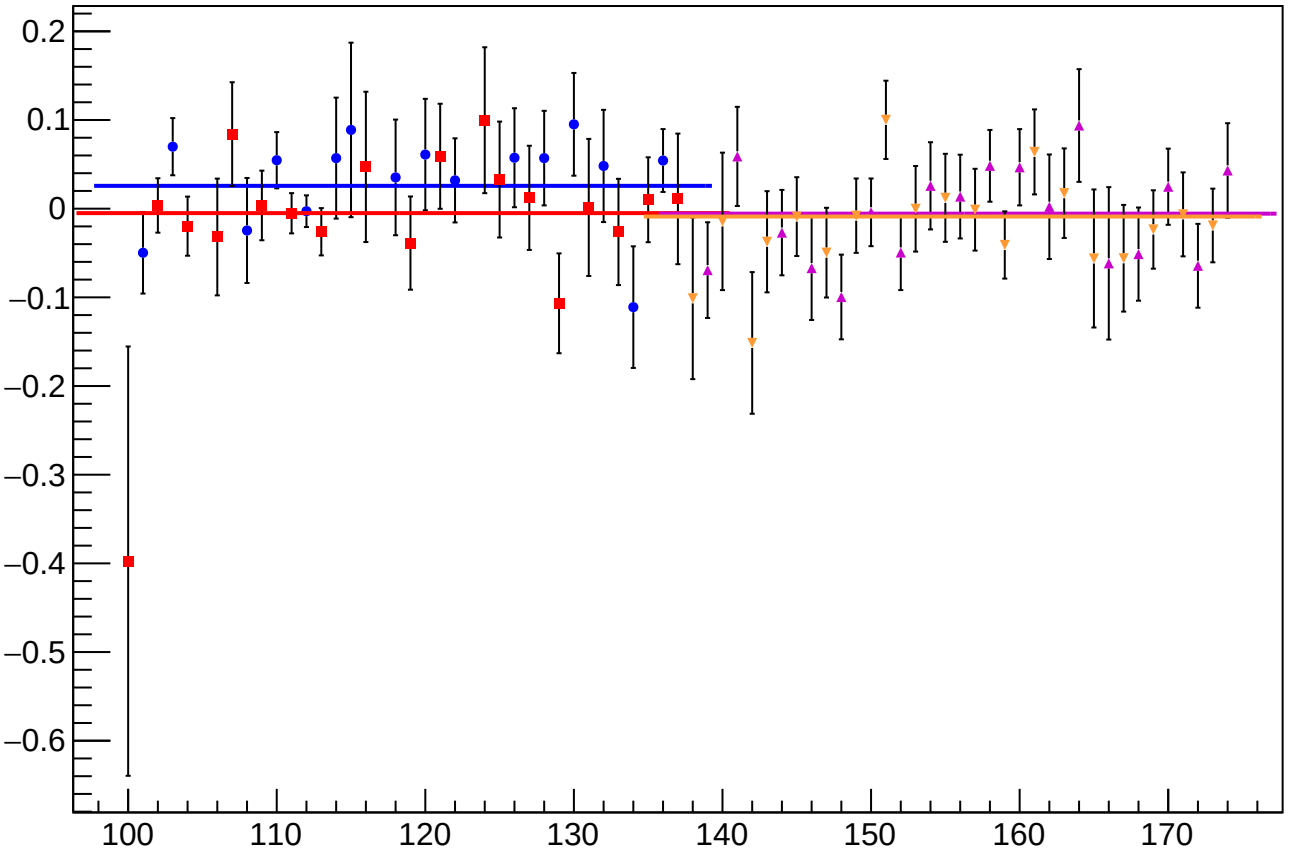
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:4640381.9/18
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:1193268.4/17
+ sign 0.001+/-0.000 χ²/NDF: 9217556.5/34
All: 0.001+/-0.000 χ²/NDF: 20461000.4/71
- sign 0.001+/-0.000 χ²/NDF: 11202523.6/36



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.012 χ^2/NDF:15.9/18

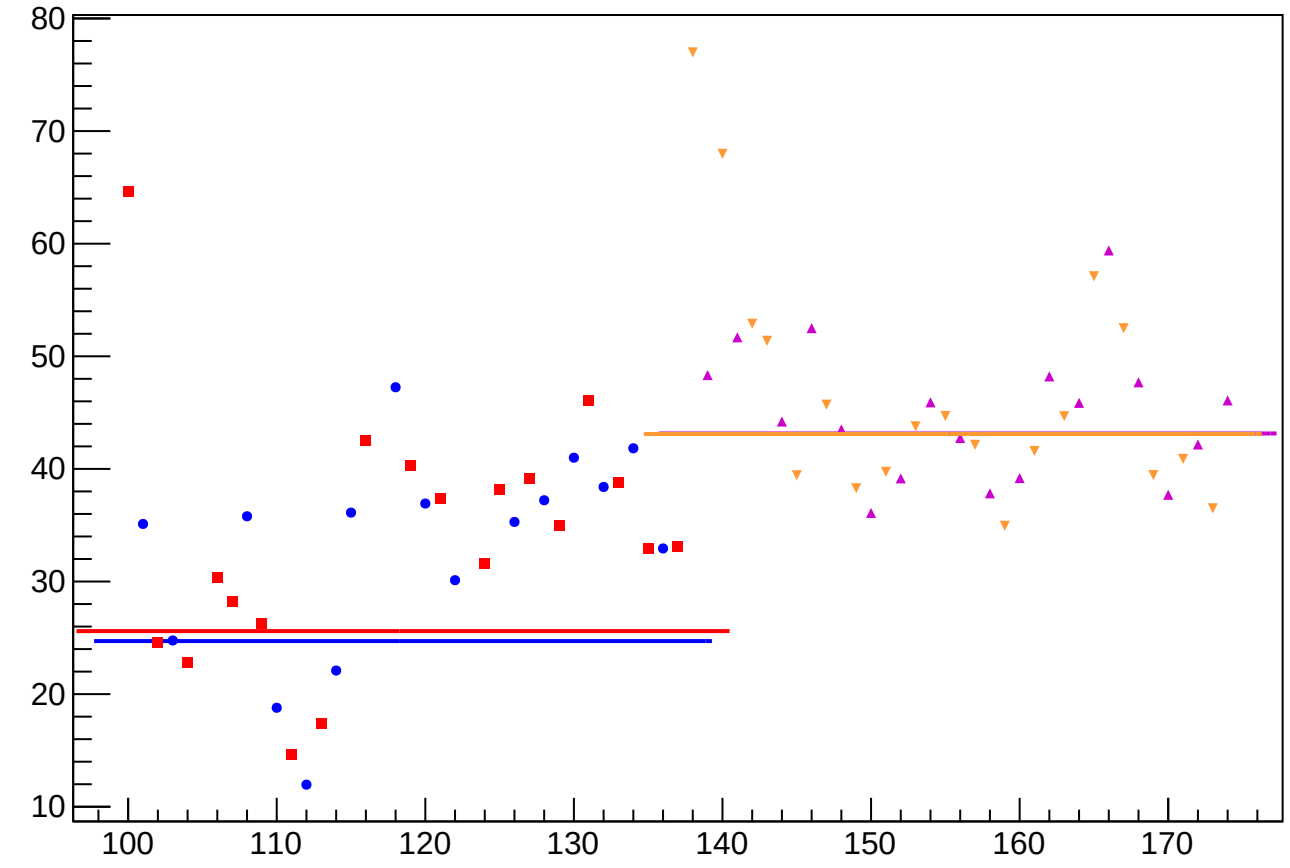
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.012 χ^2/NDF:19.3/17

+ sign 0.010+/-0.008 χ^2/NDF: 37.4/34

All: 0.003+/-0.005 χ^2/NDF: 72.4/71

- 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: 43.100+/-0.008 χ^2/NDF:893282.9/18

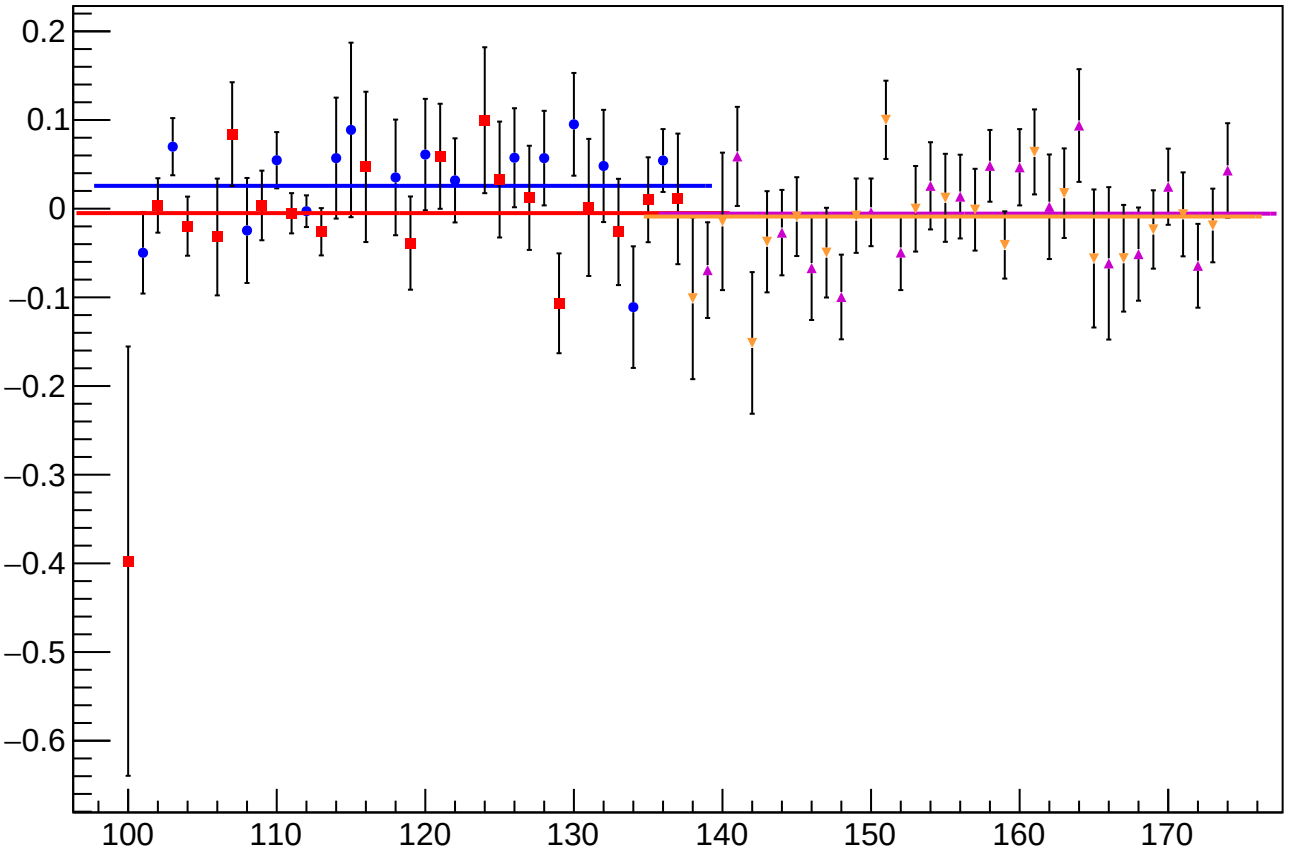
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.147+/-0.008 χ^2/NDF:405400.8/17

+ sign 32.932+/-0.005 χ^2/NDF: 6007194.6/34

All: 33.160+/-0.004 χ^2/NDF: 10575555.0/71

- 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+/-0.012 χ^2/NDF:15.9/18

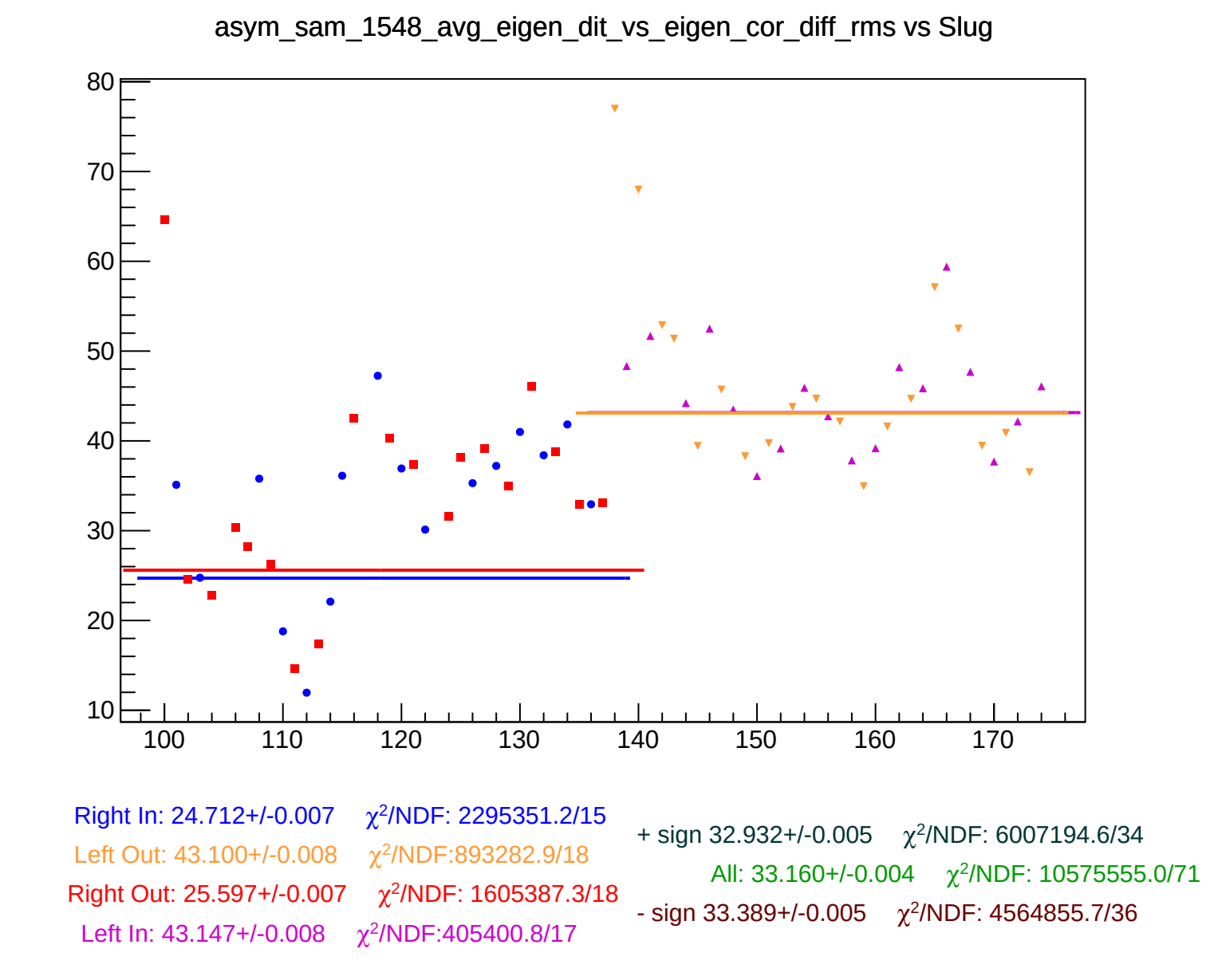
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.012 χ^2/NDF:19.3/17

+ sign 0.010+/-0.008 χ^2/NDF: 37.4/34

All: 0.003+/-0.005 χ^2/NDF: 72.4/71

- sign -0.005+/-0.008 χ^2/NDF: 32.9/36


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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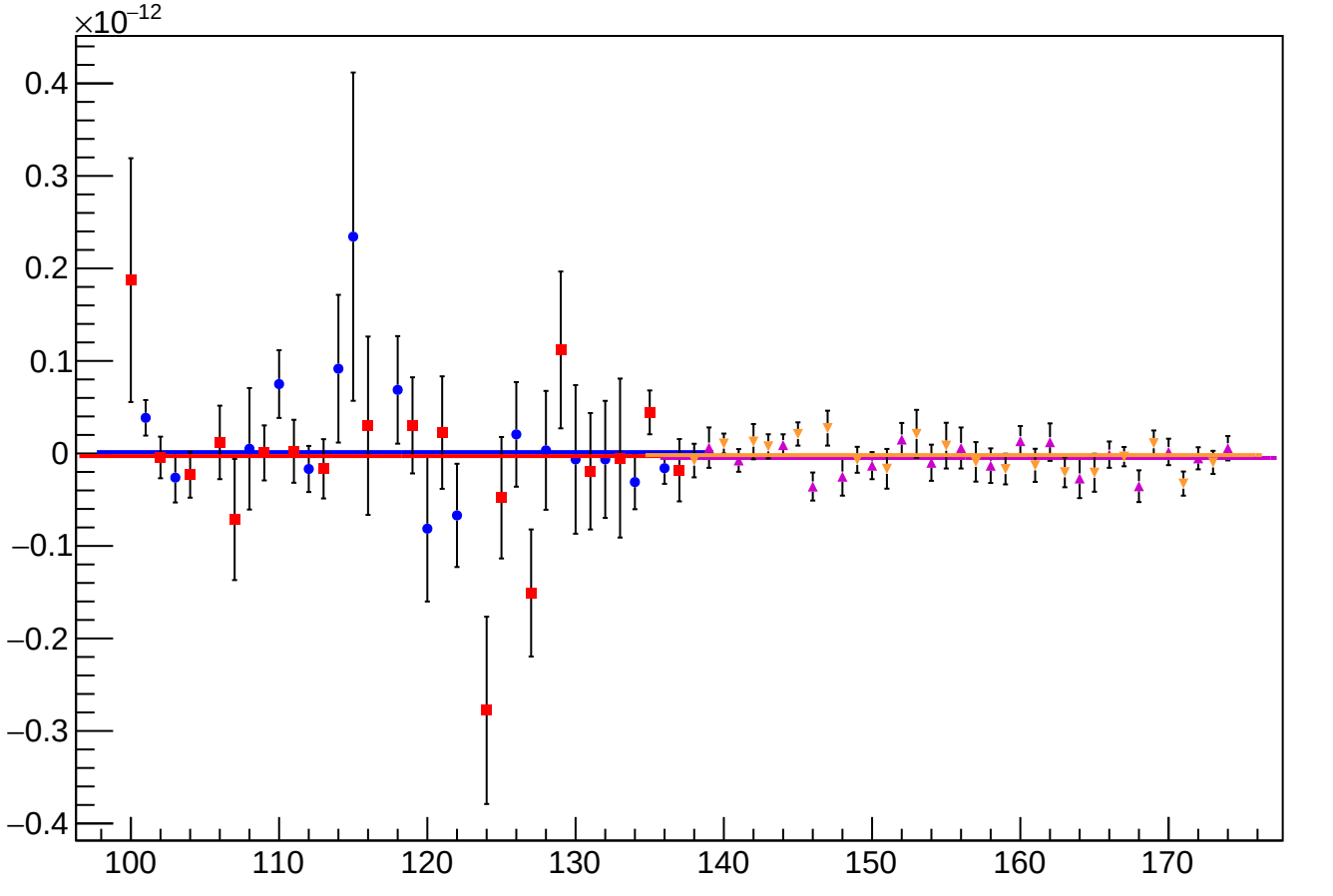
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 43.100+/-0.008 χ²/NDF:893282.9/18
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 43.147+/-0.008 χ²/NDF:405400.8/17
+ sign 32.932+/-0.005 χ²/NDF: 6007194.6/34
All: 33.160+/-0.004 χ²/NDF: 10575555.0/71
- sign 33.389+/-0.005 χ²/NDF: 4564855.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/18

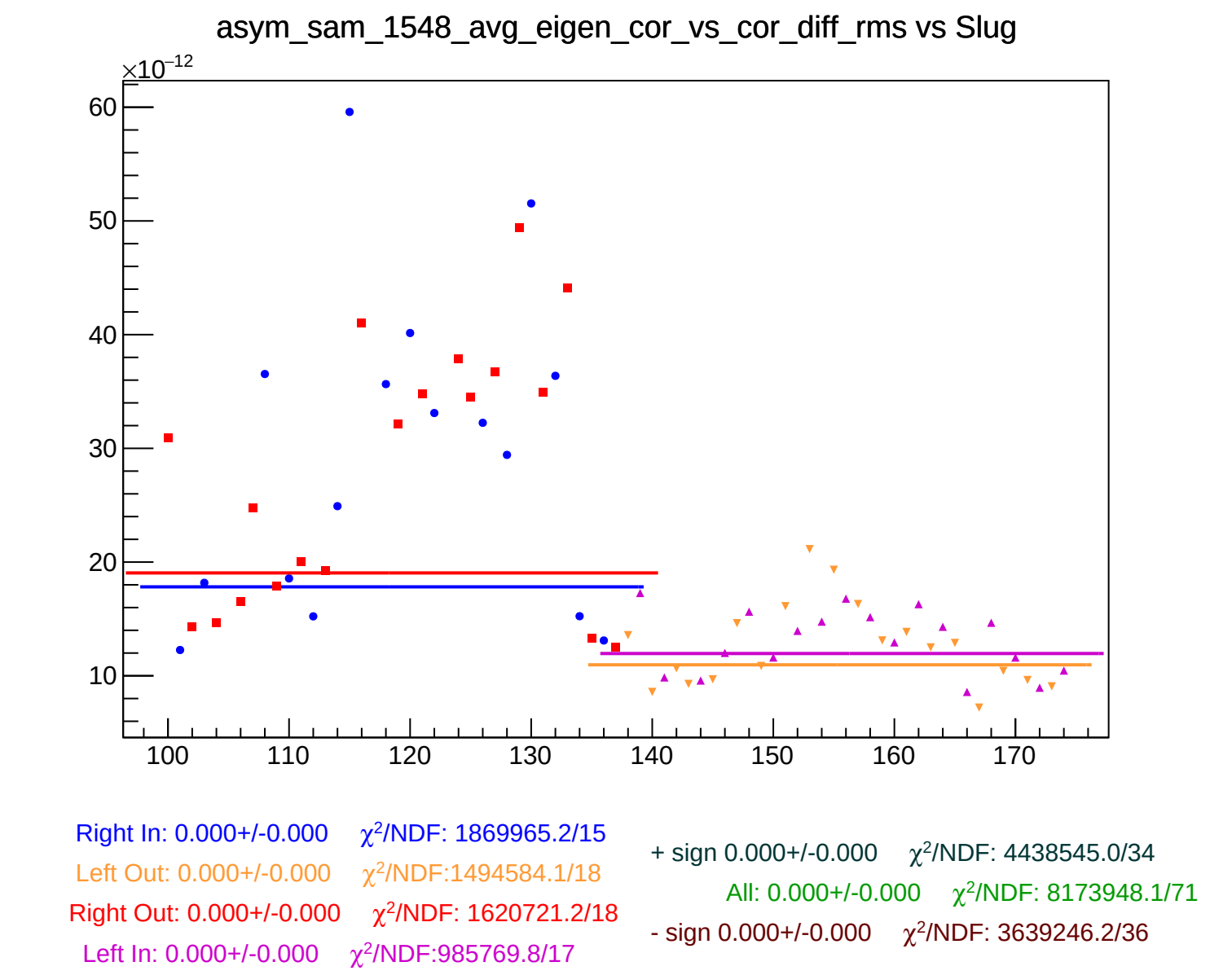
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:16.1/17

+ sign -0.000+/-0.000 χ^2/NDF: 39.0/34

All: -0.000+/-0.000 χ^2/NDF: 79.0/71

- 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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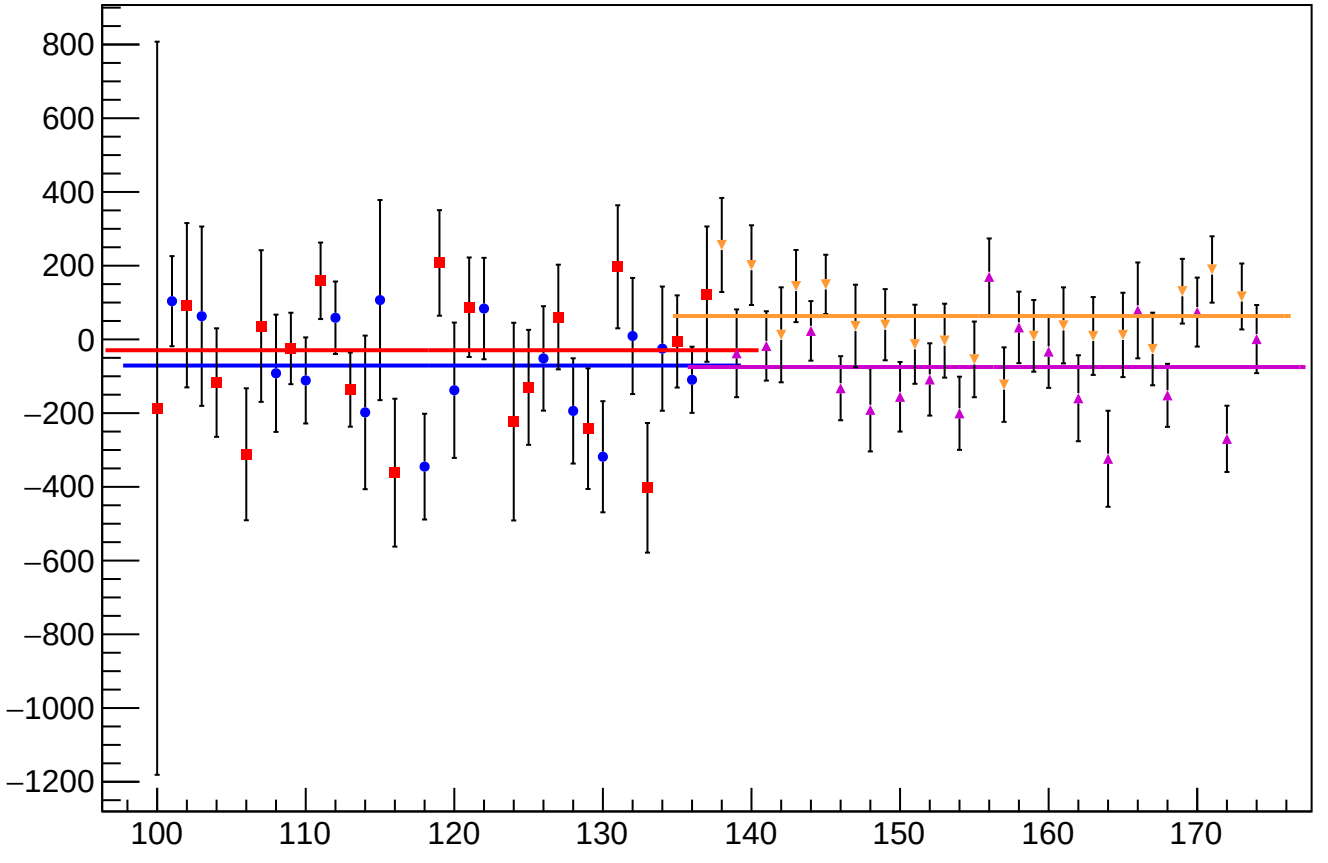
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1494584.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:985769.8/17
+ sign 0.000+/-0.000 χ²/NDF: 4438545.0/34
All: 0.000+/-0.000 χ²/NDF: 8173948.1/71
- sign 0.000+/-0.000 χ²/NDF: 3639246.2/36

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 63.387+/-23.062 χ^2/NDF:16.2/18

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

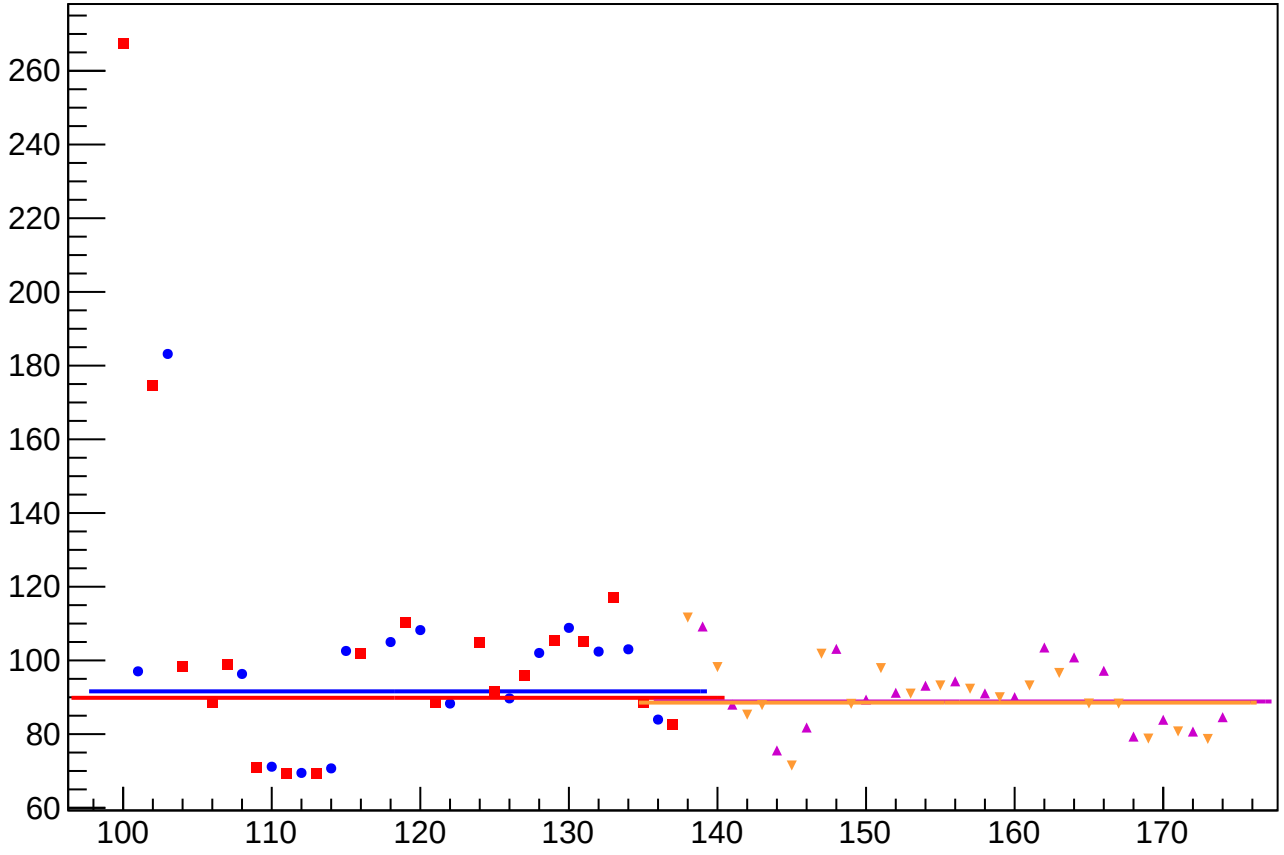
Left In: -74.964+/-23.248 χ^2/NDF:27.1/17

+ sign 22.933+/-19.278 χ^2/NDF: 40.5/34

All: -18.923+/-13.616 χ^2/NDF: 102.2/71

- 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: 88.558+/-0.016 χ^2/NDF:304707.0/18

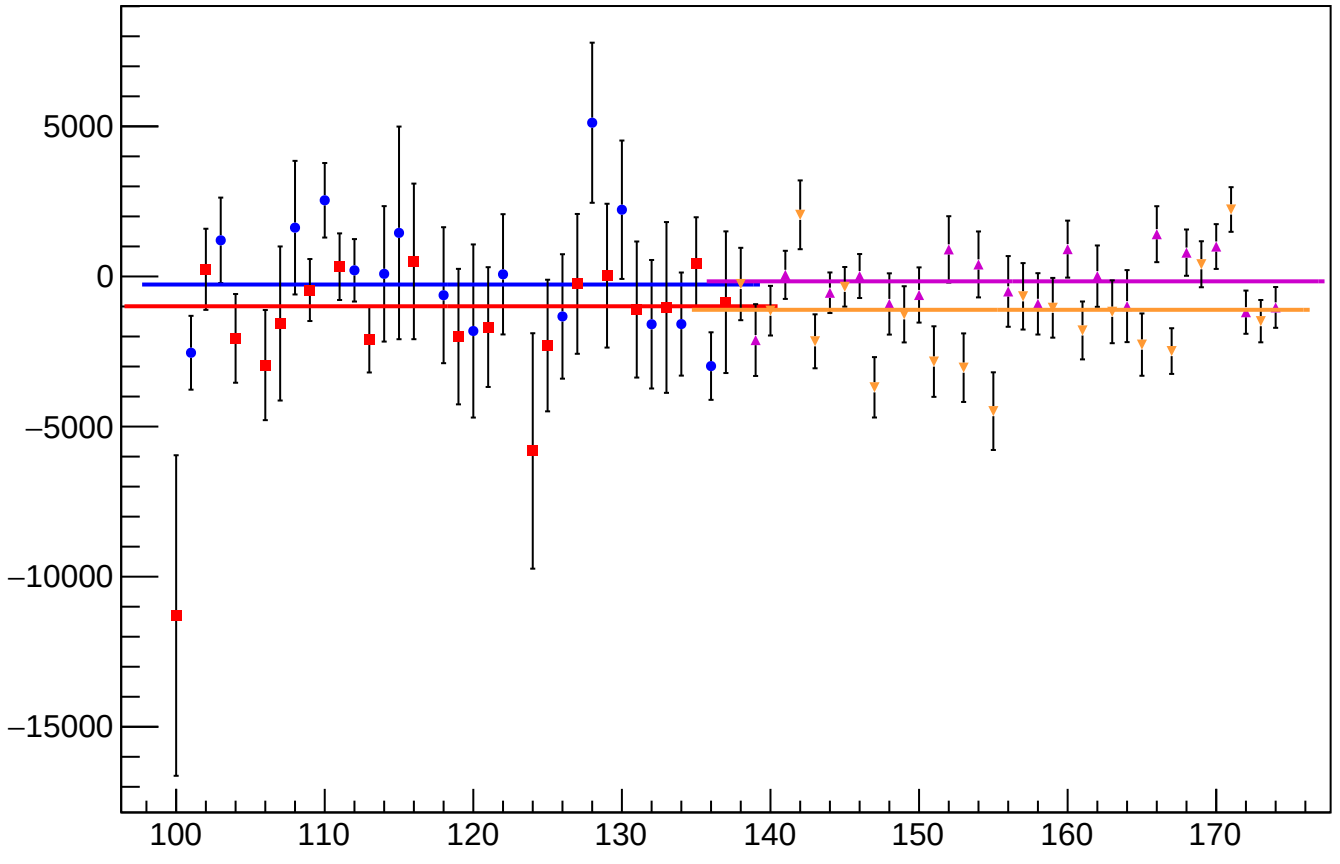
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 88.855+/-0.016 χ^2/NDF:277480.9/17

+ sign 89.477+/-0.014 χ^2/NDF: 895917.5/34

All: 89.323+/-0.010 χ^2/NDF: 1921105.5/71

- 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: -1110.552+/-210.088 χ^2/NDF:58.9/18

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

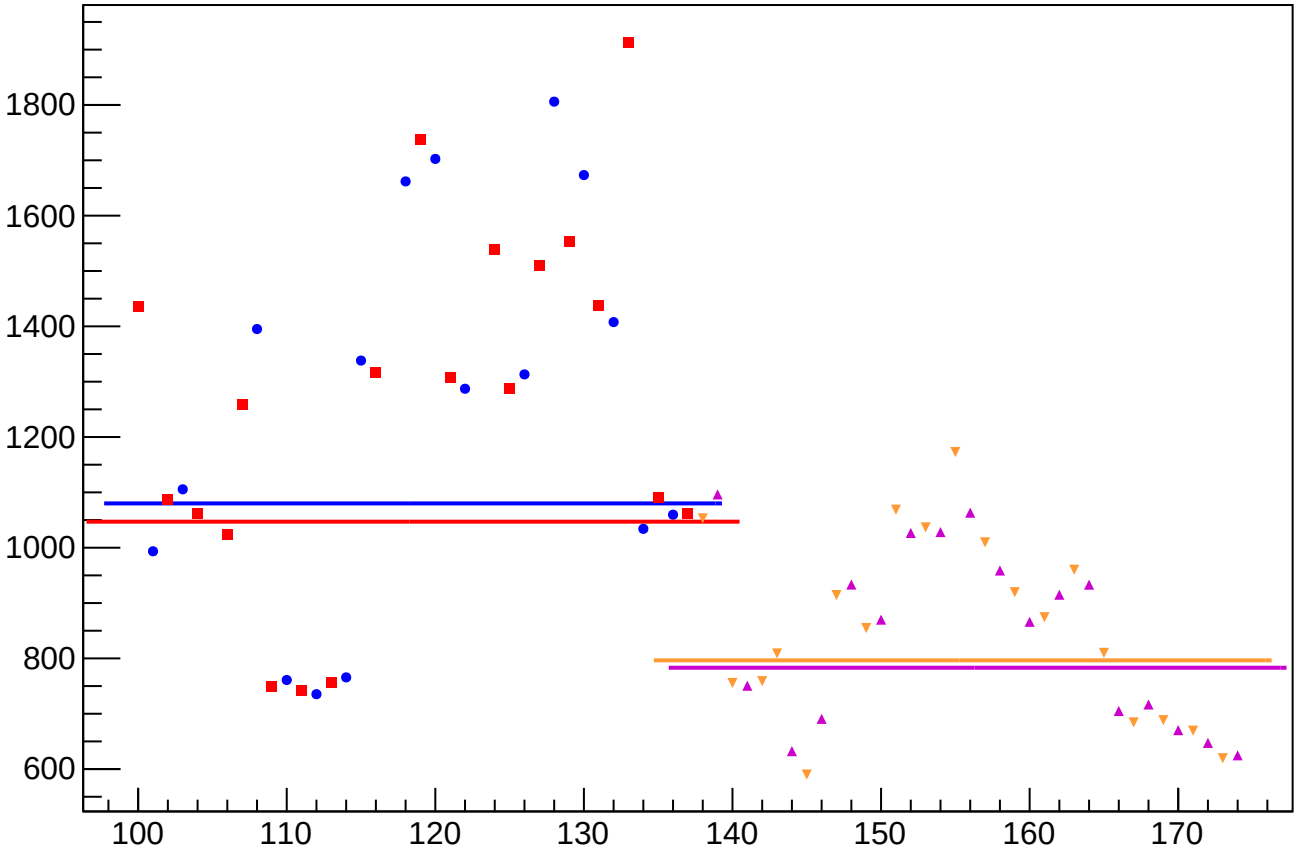
Left In: -162.304+/-207.314 χ^2/NDF:18.0/17

+ sign -941.754+/-187.855 χ^2/NDF: 85.5/34

All: -633.625+/-131.501 χ^2/NDF: 124.8/71

- 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: 796.483+/-0.149 χ^2/NDF:1128530.5/18

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

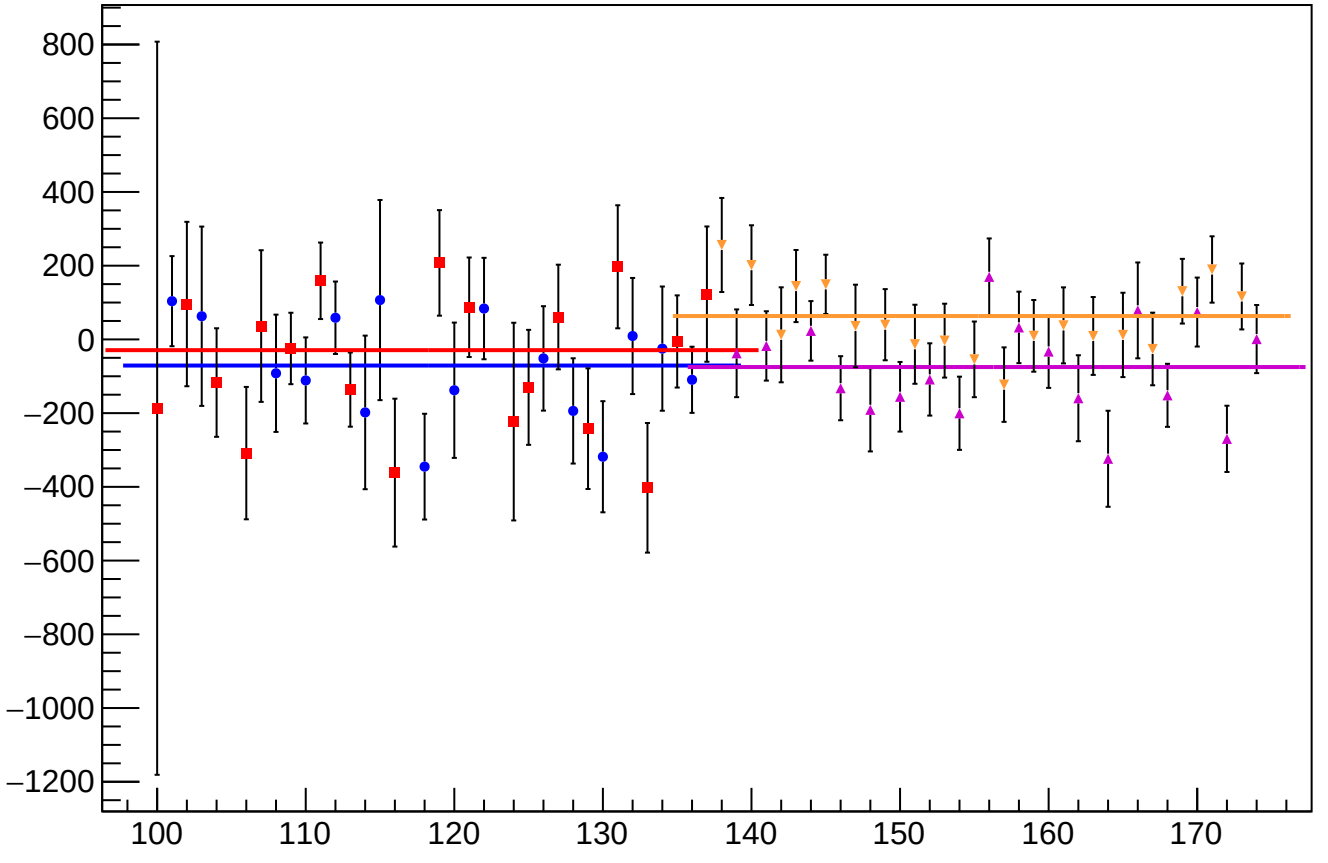
Left In: 783.134+/-0.147 χ^2/NDF:1036288.1/17

+ sign 853.325+/-0.133 χ^2/NDF: 2912371.2/34

All: 845.937+/-0.093 χ^2/NDF: 5837531.7/71

- 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: 63.390+/-23.062 χ^2/NDF:16.2/18

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

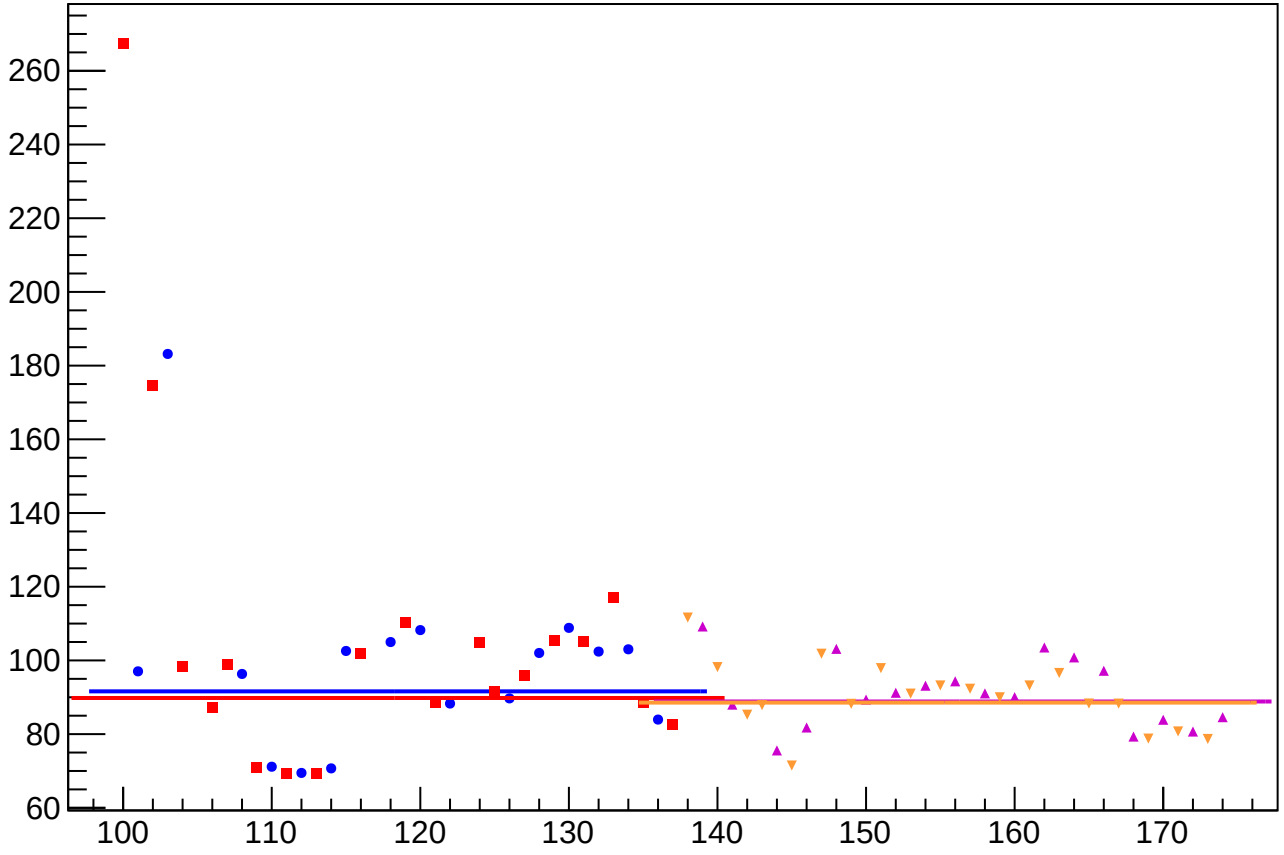
Left In: -74.963+/-23.248 χ^2/NDF:27.1/17

+ sign 22.932+/-19.278 χ^2/NDF: 40.5/34

All: -18.883+/-13.616 χ^2/NDF: 102.2/71

- 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: 88.558+/-0.016 χ^2/NDF:304707.0/18

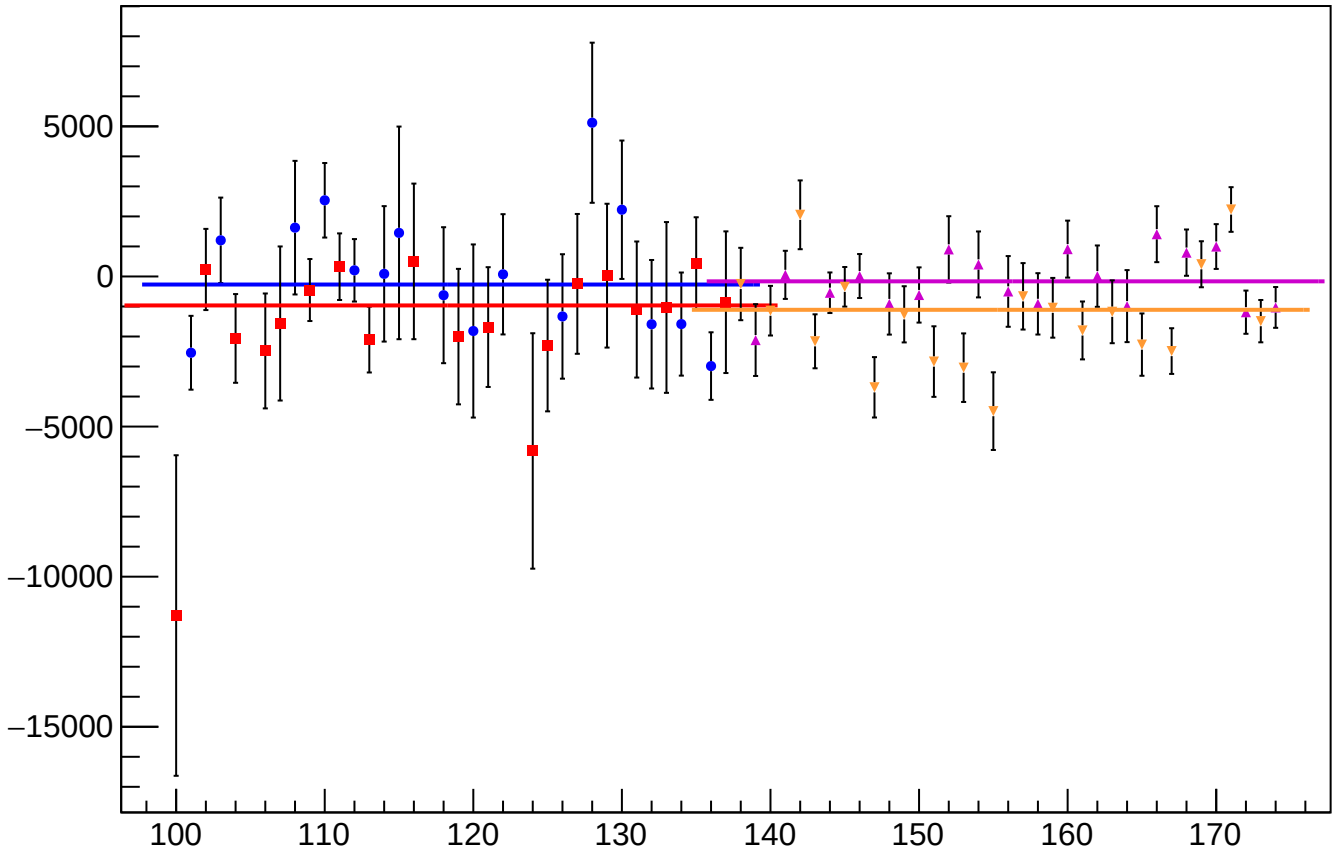
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.855+/-0.016 χ^2/NDF:277480.9/17

+ sign 89.477+/-0.014 χ^2/NDF: 895920.6/34

All: 89.316+/-0.010 χ^2/NDF: 1921570.2/71

- 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: -1110.547+/-210.088 χ^2/NDF:58.9/18

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

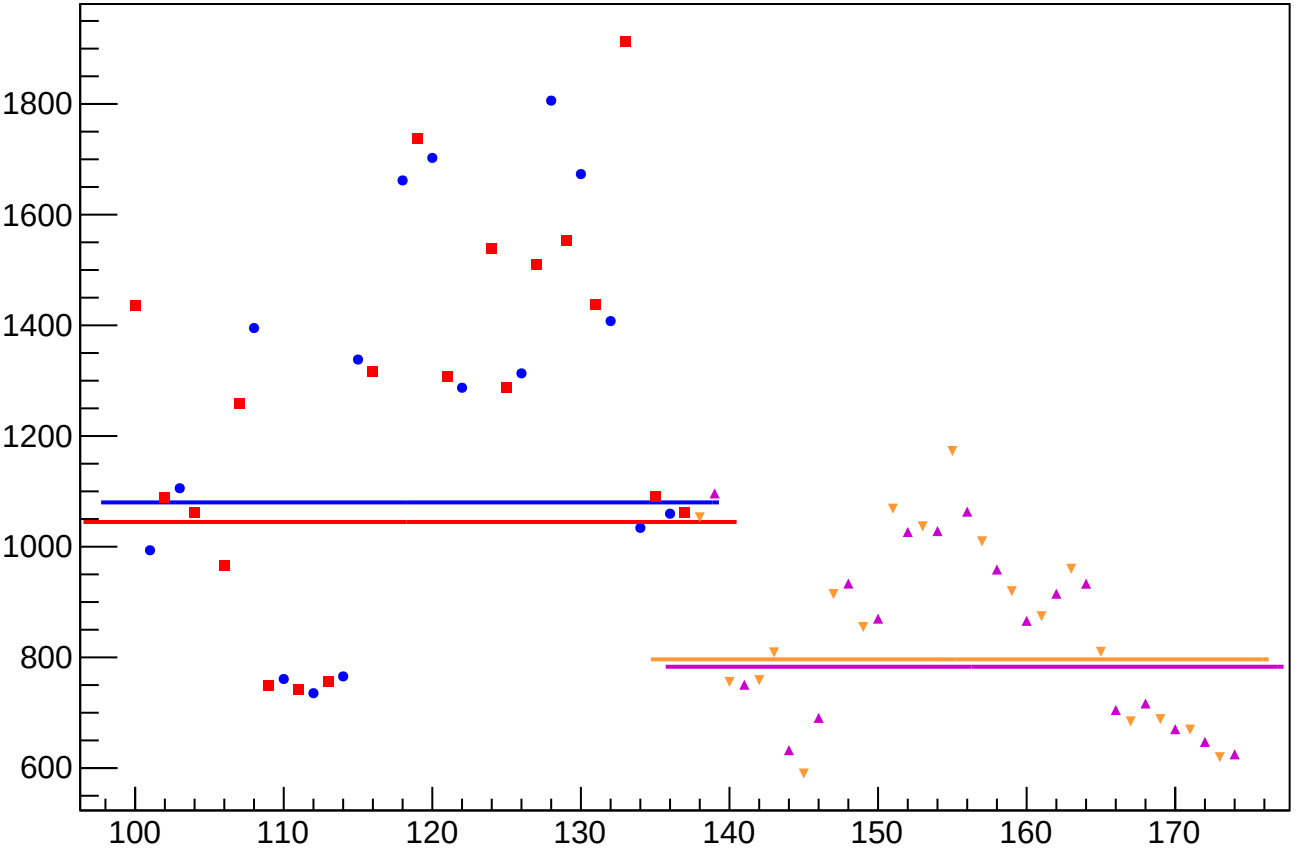
Left In: -162.308+/-207.314 χ^2/NDF:18.0/17

\+ sign -941.757+/-187.855 χ^2/NDF: 85.5/34

All: -630.503+/-131.529 χ^2/NDF: 124.1/71

\- 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: 796.483+/-0.149 χ^2/NDF:1128532.2/18

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

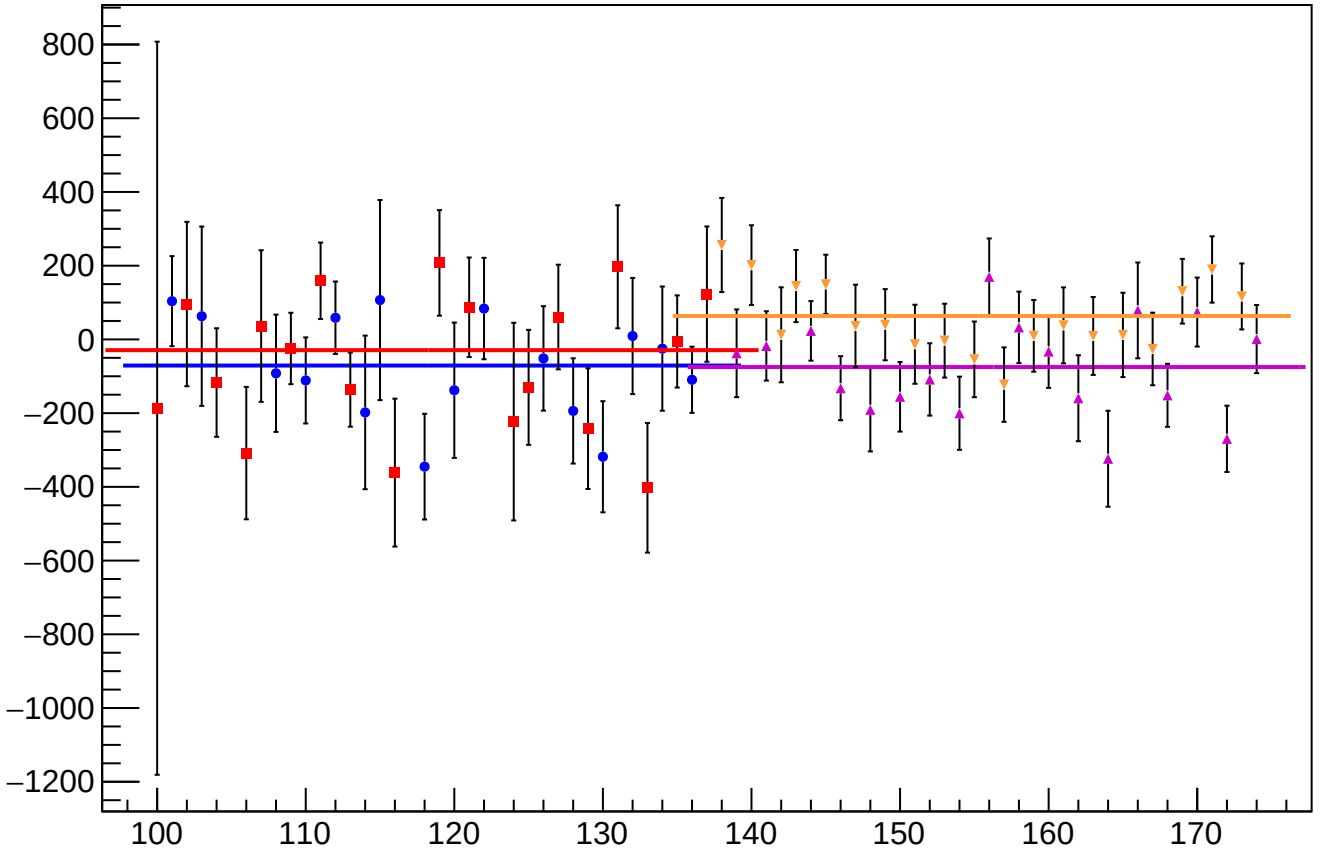
Left In: 783.134+/-0.147 χ^2/NDF:1036288.1/17

+ sign 853.325+/-0.133 χ^2/NDF: 2912415.5/34

All: 845.598+/-0.093 χ^2/NDF: 5827060.4/71

- 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: 63.390+/-23.062 χ^2/NDF:16.2/18

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

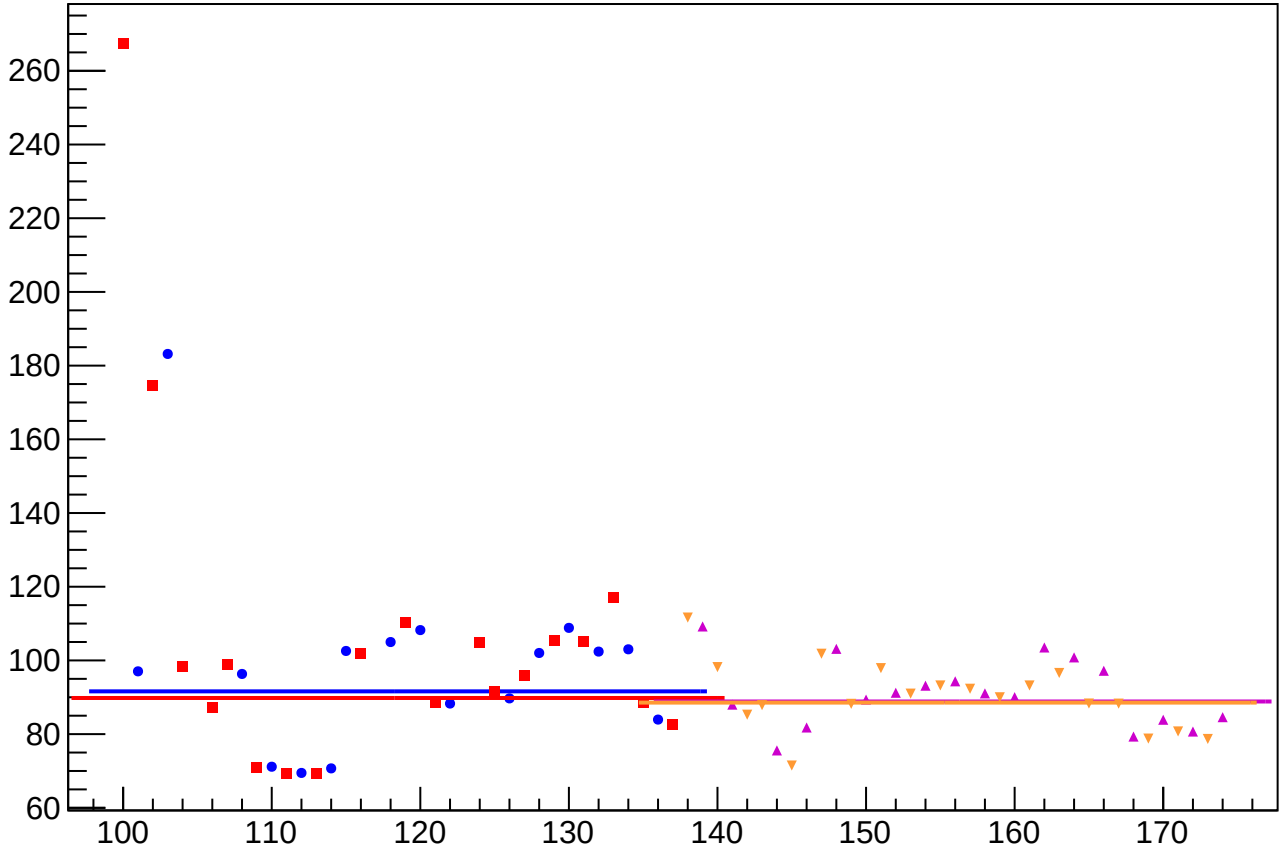
Left In: -74.963+/-23.248 χ^2/NDF:27.1/17

+ sign 22.932+/-19.278 χ^2/NDF: 40.5/34

All: -18.883+/-13.616 χ^2/NDF: 102.2/71

- 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: 88.558+/-0.016 χ^2/NDF:304707.0/18

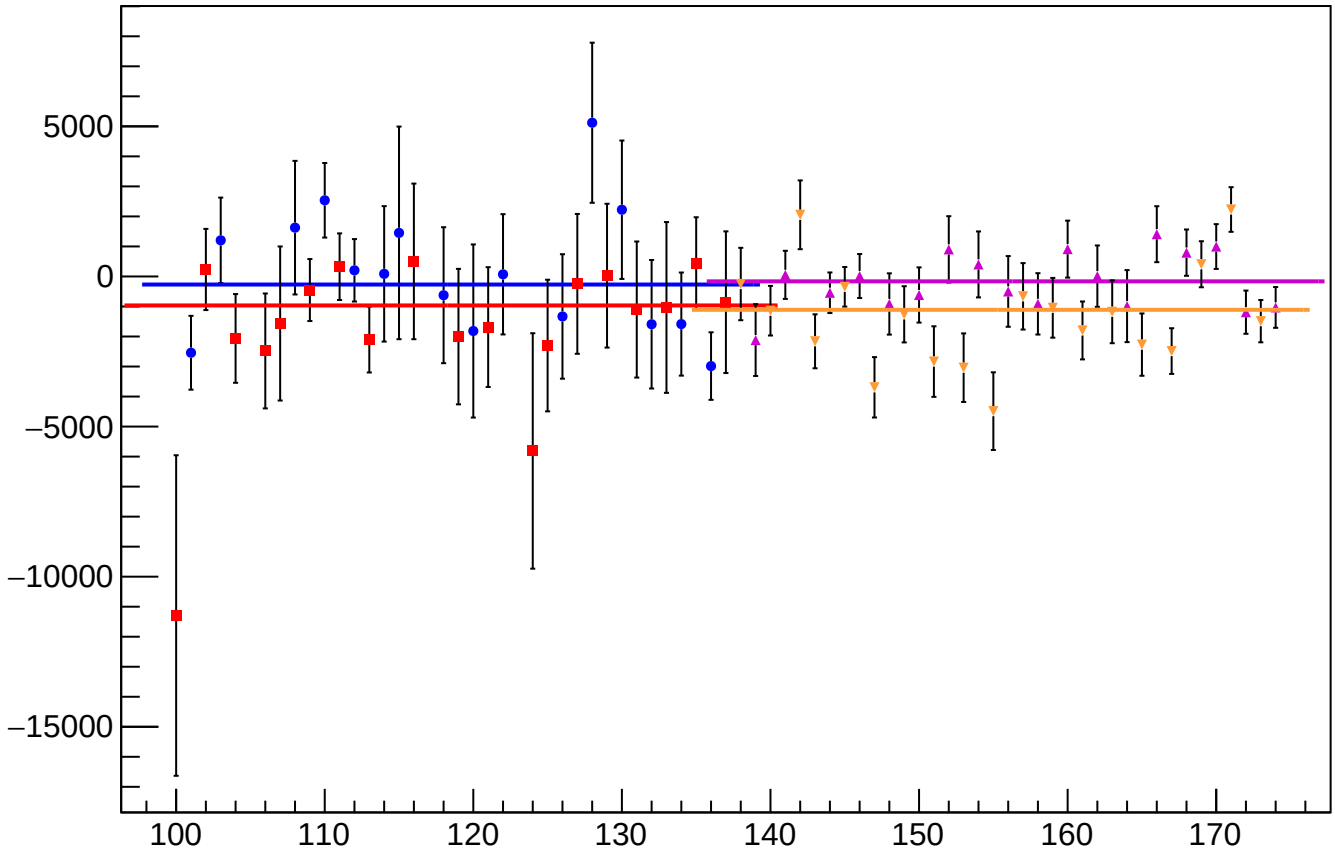
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.855+/-0.016 χ^2/NDF:277480.9/17

+ sign 89.477+/-0.014 χ^2/NDF: 895920.6/34

All: 89.316+/-0.010 χ^2/NDF: 1921570.2/71

- 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: -1110.547+/-210.088 χ^2/NDF:58.9/18

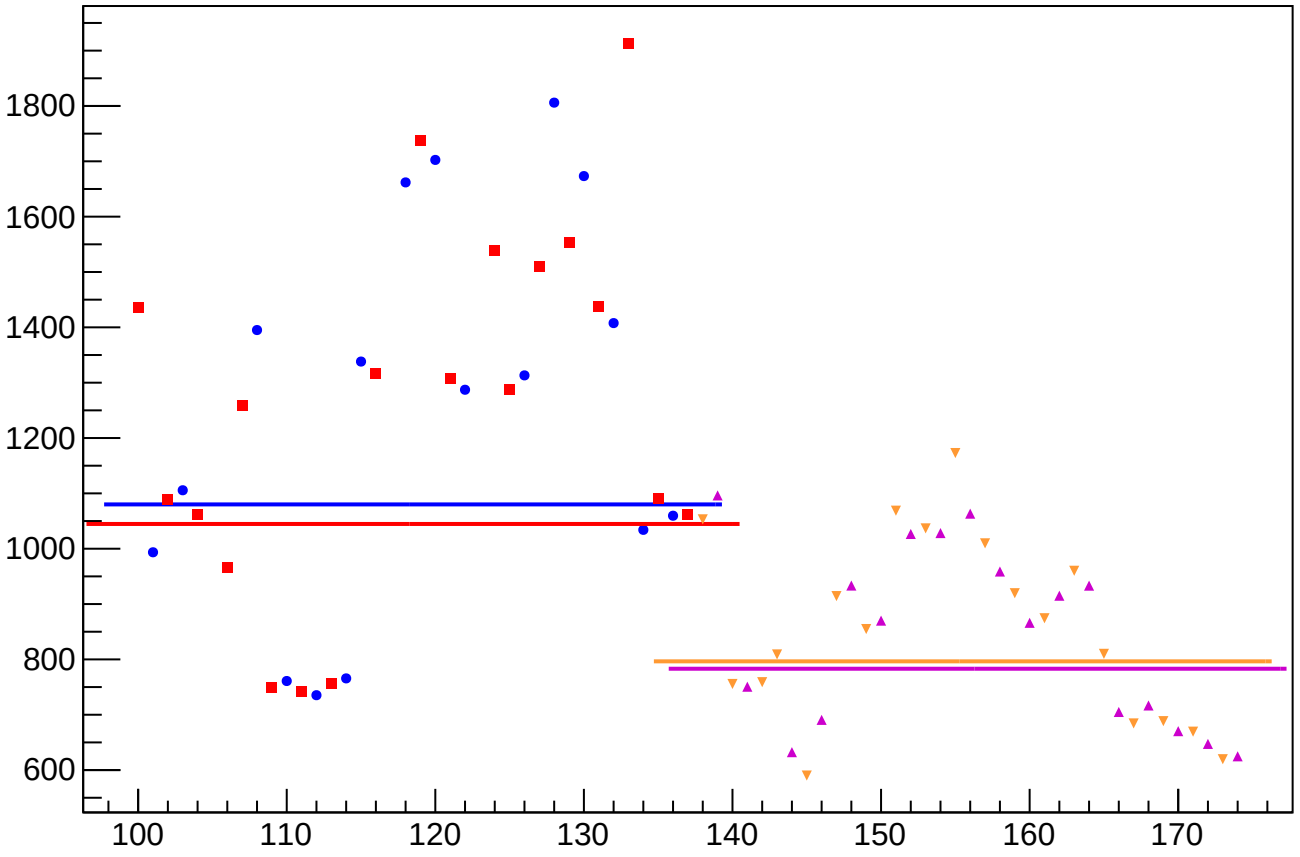
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -162.308+/-207.314 χ^2/NDF:18.0/17

+ sign -941.757+/-187.855 χ^2/NDF: 85.5/34

All: -630.503+/-131.529 χ^2/NDF: 124.1/71

- 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: 796.483+/-0.149 χ^2/NDF:1128532.2/18

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

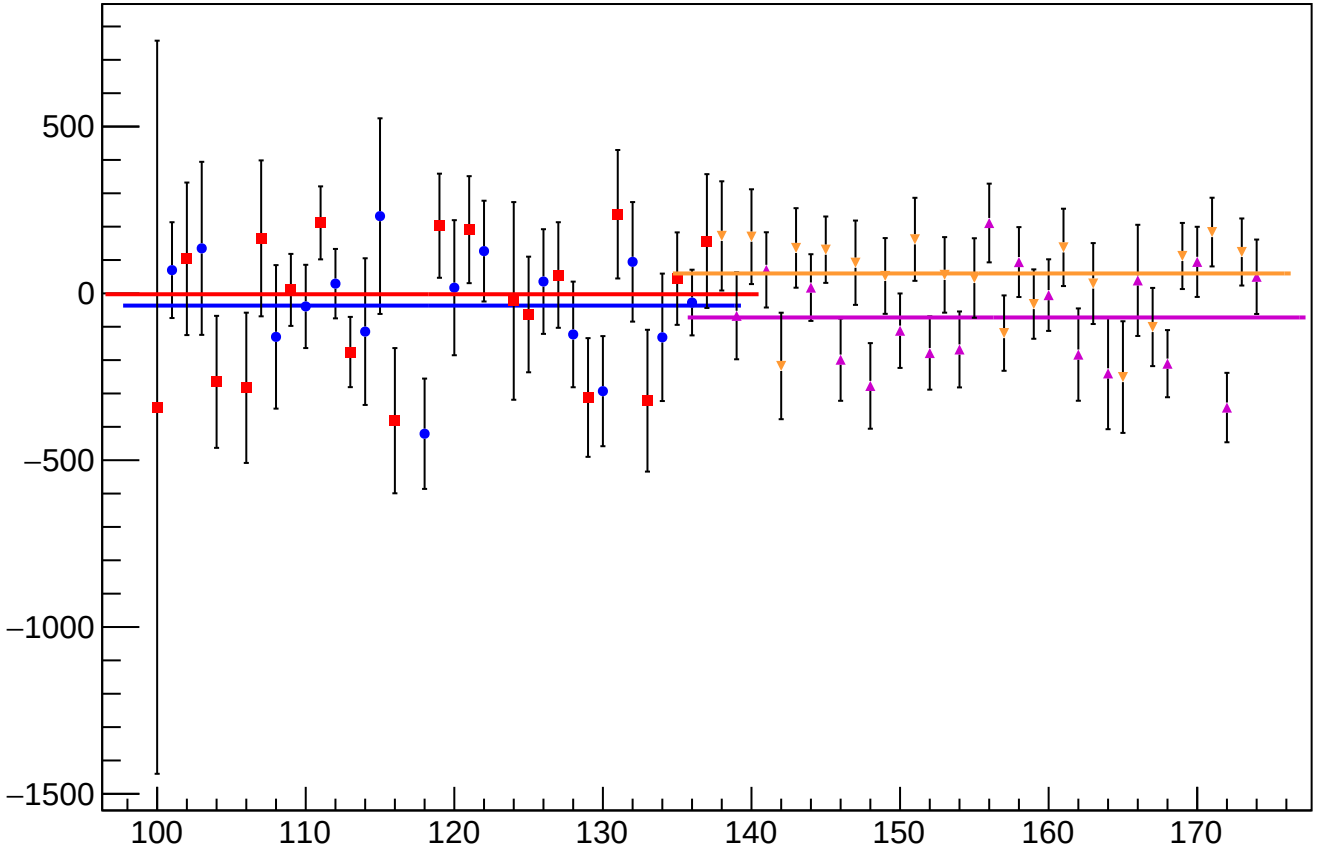
Left In: 783.134+/-0.147 χ^2/NDF:1036288.1/17

+ sign 853.325+/-0.133 χ^2/NDF: 2912415.5/34

All: 845.598+/-0.093 χ^2/NDF: 5827060.4/71

- 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: 59.734+/-27.040 χ^2/NDF:17.0/18

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

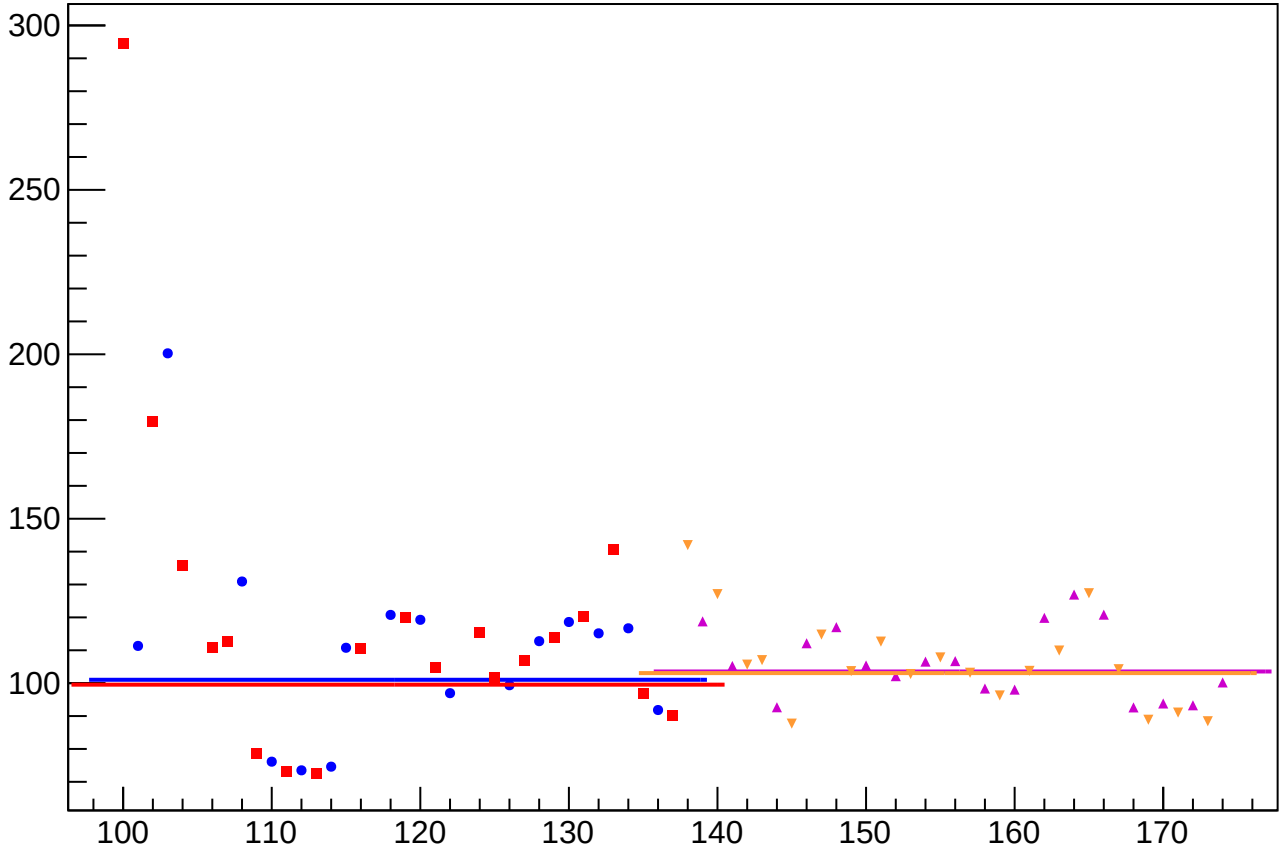
Left In: -72.148+/-27.315 χ^2/NDF:30.9/17

+ sign 28.452+/-22.220 χ^2/NDF: 34.1/34

All: -10.077+/-15.709 χ^2/NDF: 97.9/71

- 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: 103.063+/-0.019 χ^2/NDF:420864.9/18

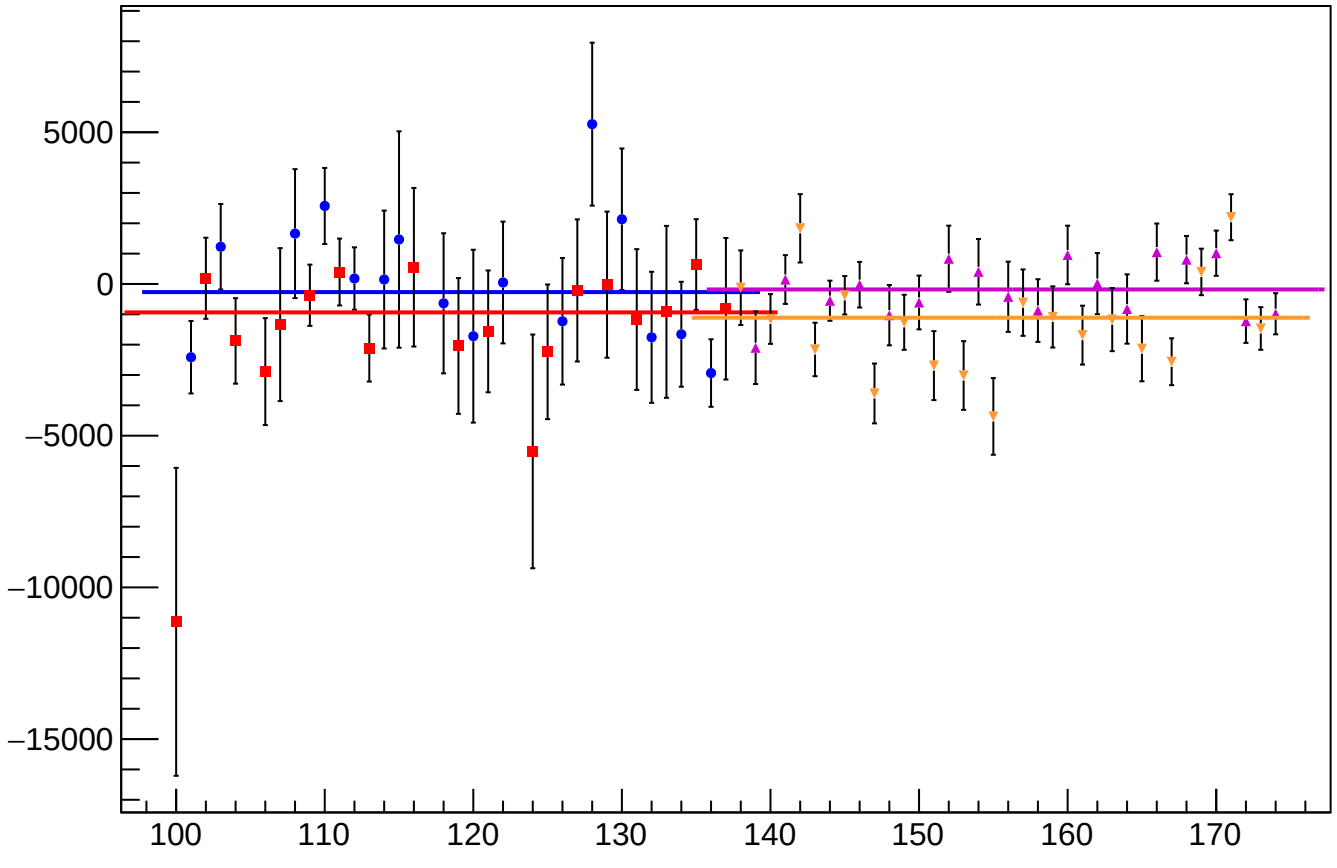
Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 103.553+/-0.019 χ^2/NDF:247535.7/17

+ sign 102.403+/-0.016 χ^2/NDF: 1140627.2/34

All: 102.299+/-0.011 χ^2/NDF: 2283318.3/71

- 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: -1112.691+/-208.748 χ^2/NDF:56.3/18

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

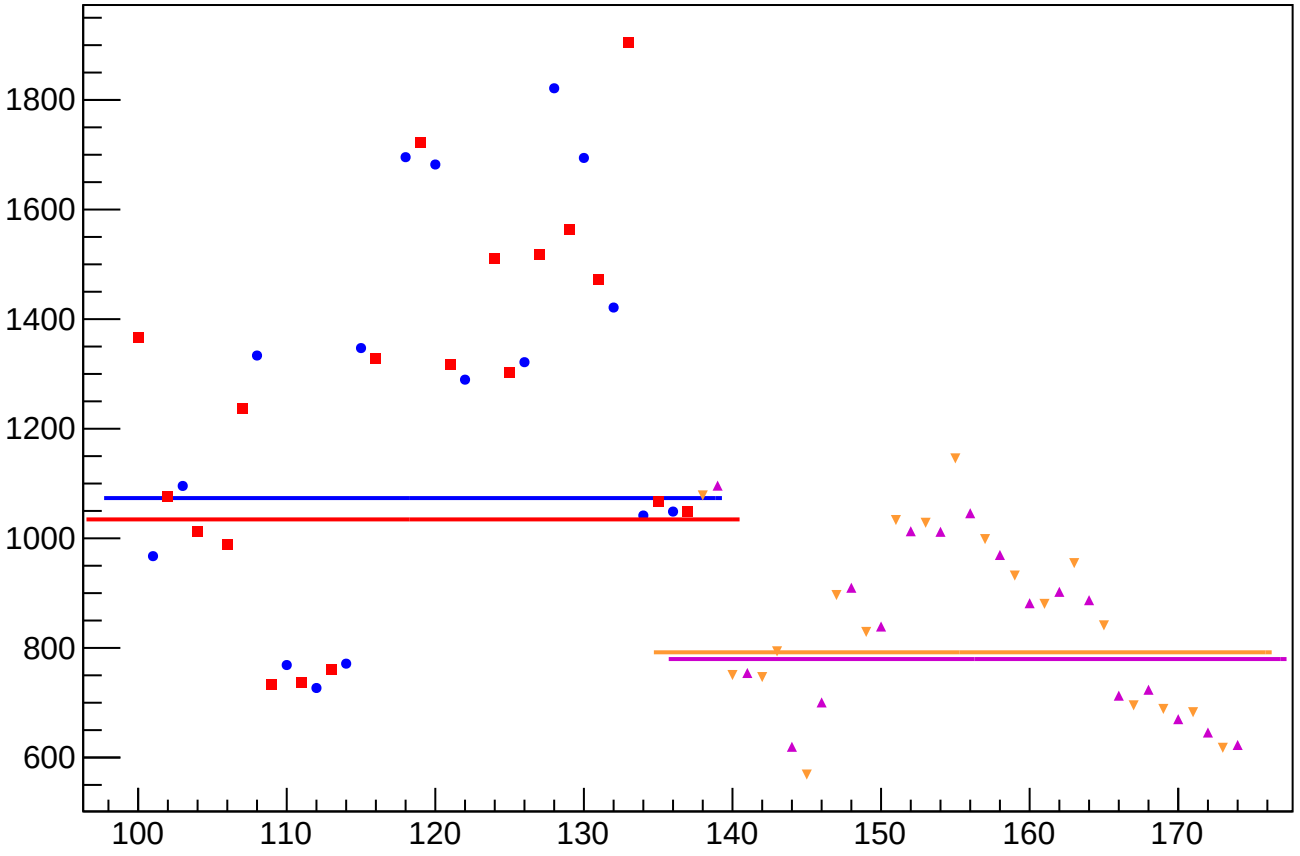
Left In: -180.668+/-206.314 χ^2/NDF:16.8/17

+ sign -943.448+/-186.671 χ^2/NDF: 83.0/34

All: -636.705+/-130.677 χ^2/NDF: 121.2/71

- 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: 792.006+/-0.148 χ^2/NDF:1136469.5/18

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

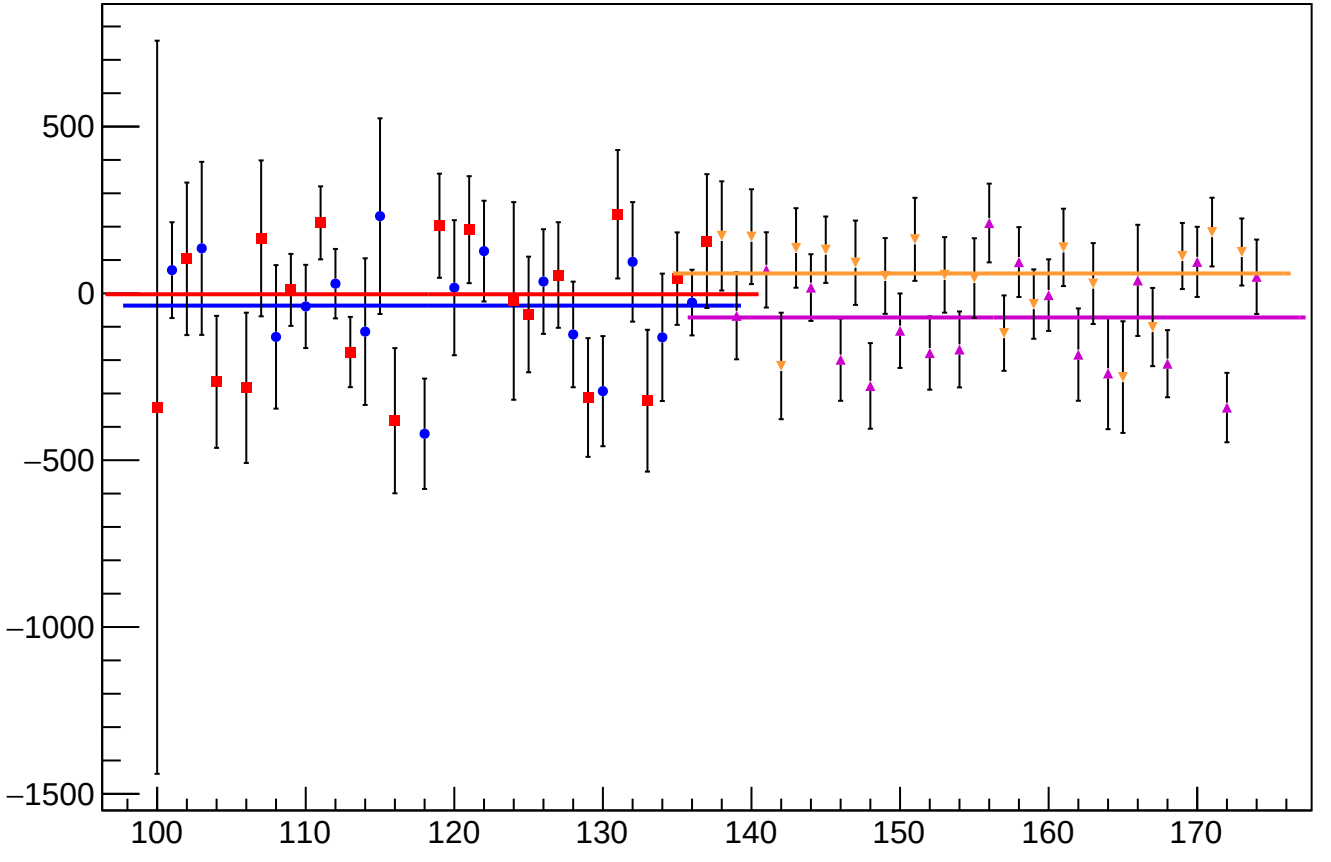
Left In: 779.690+/-0.146 χ^2/NDF:992235.9/17

+ sign 848.390+/-0.132 χ^2/NDF: 2941875.8/34

All: 841.075+/-0.092 χ^2/NDF: 5820344.5/71

- 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: 59.736+/-27.041 χ^2/NDF:17.0/18

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

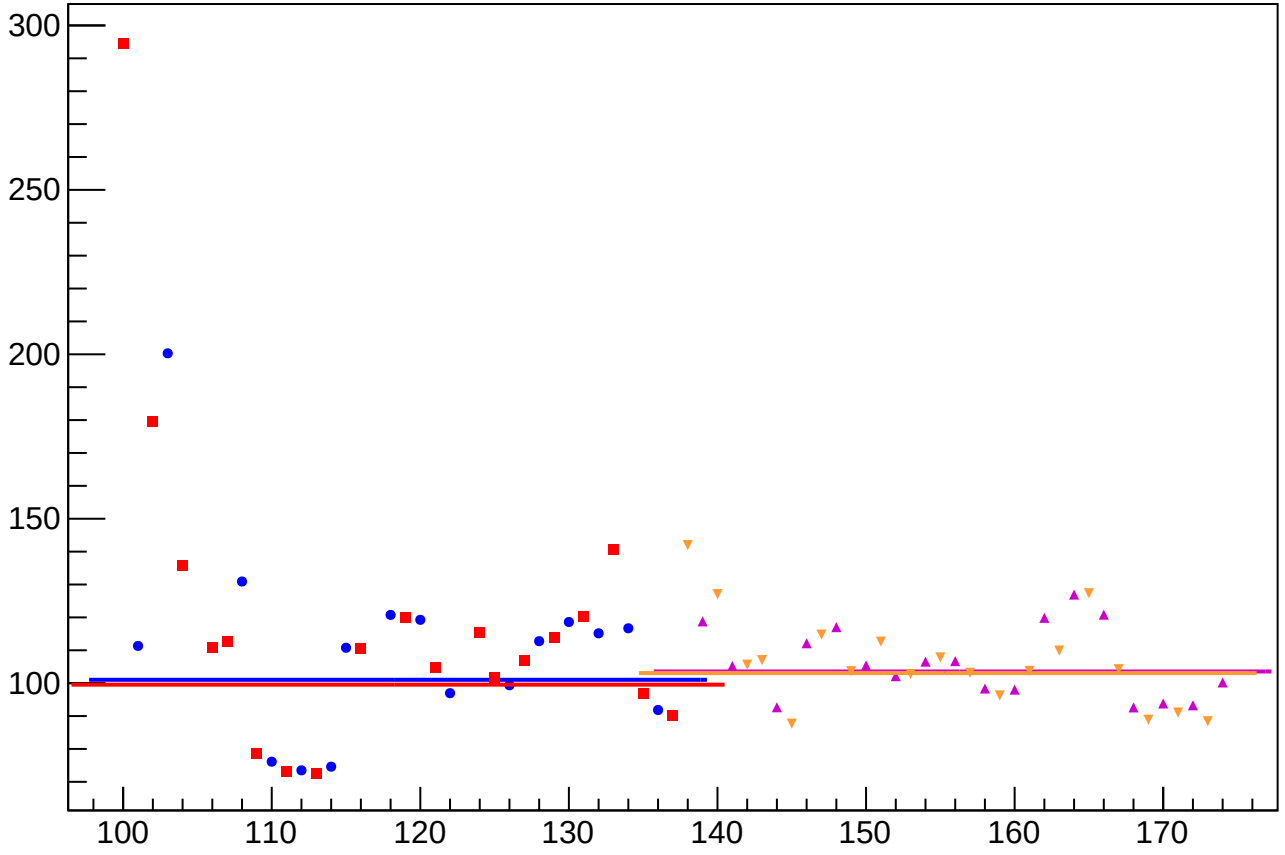
Left In: -72.148+/-27.315 χ^2/NDF:30.9/17

+ sign 28.453+/-22.220 χ^2/NDF: 34.1/34

All: -10.076+/-15.709 χ^2/NDF: 97.9/71

- 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: 103.063+/-0.019 χ^2/NDF:420861.7/18

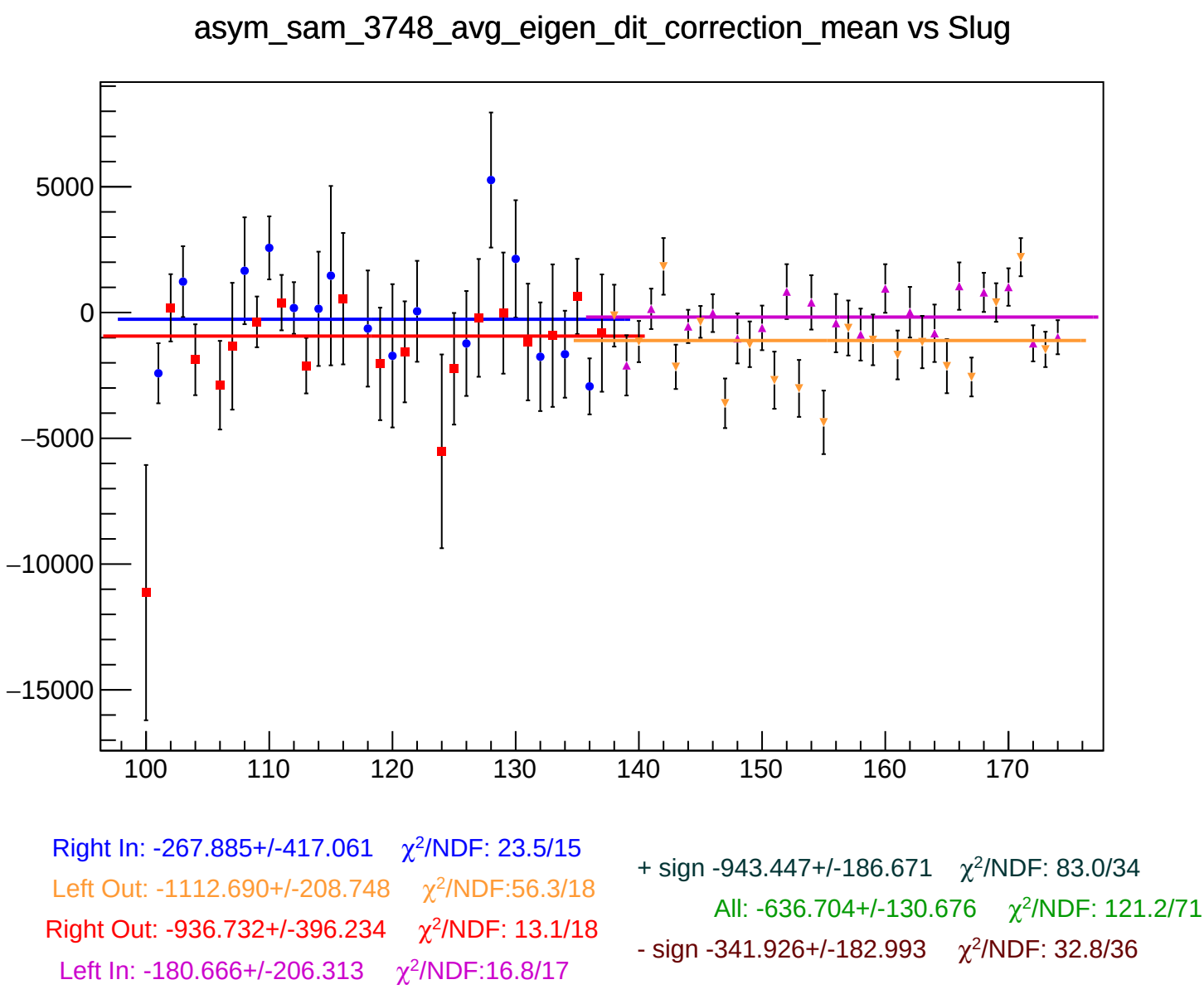
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

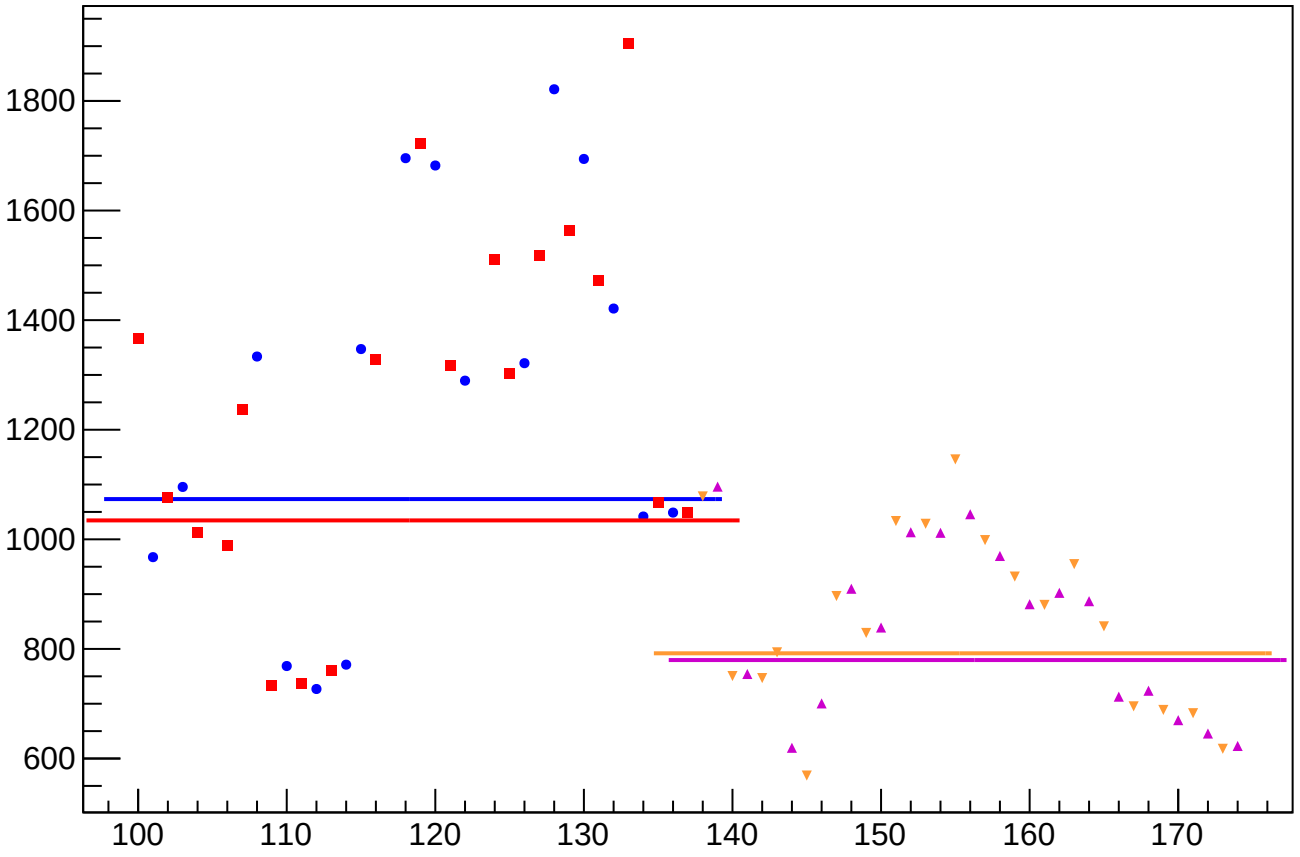
Left In: 103.553+/-0.019 χ^2/NDF:247535.9/17

+ sign 102.403+/-0.016 χ^2/NDF: 1140623.5/34

All: 102.300+/-0.011 χ^2/NDF: 2283318.3/71

- sign 102.196+/-0.016 χ^2/NDF: 1142608.0/36


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -267.885+/-417.061 χ²/NDF: 23.5/15
Left Out: -1112.690+/-208.748 χ²/NDF:56.3/18
Right Out: -936.732+/-396.234 χ²/NDF: 13.1/18
Left In: -180.666+/-206.313 χ²/NDF:16.8/17
+ sign -943.447+/-186.671 χ²/NDF: 83.0/34
All: -636.704+/-130.676 χ²/NDF: 121.2/71
- sign -341.926+/-182.993 χ²/NDF: 32.8/36



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 792.005+/-0.148 χ^2/NDF:1136472.4/18

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

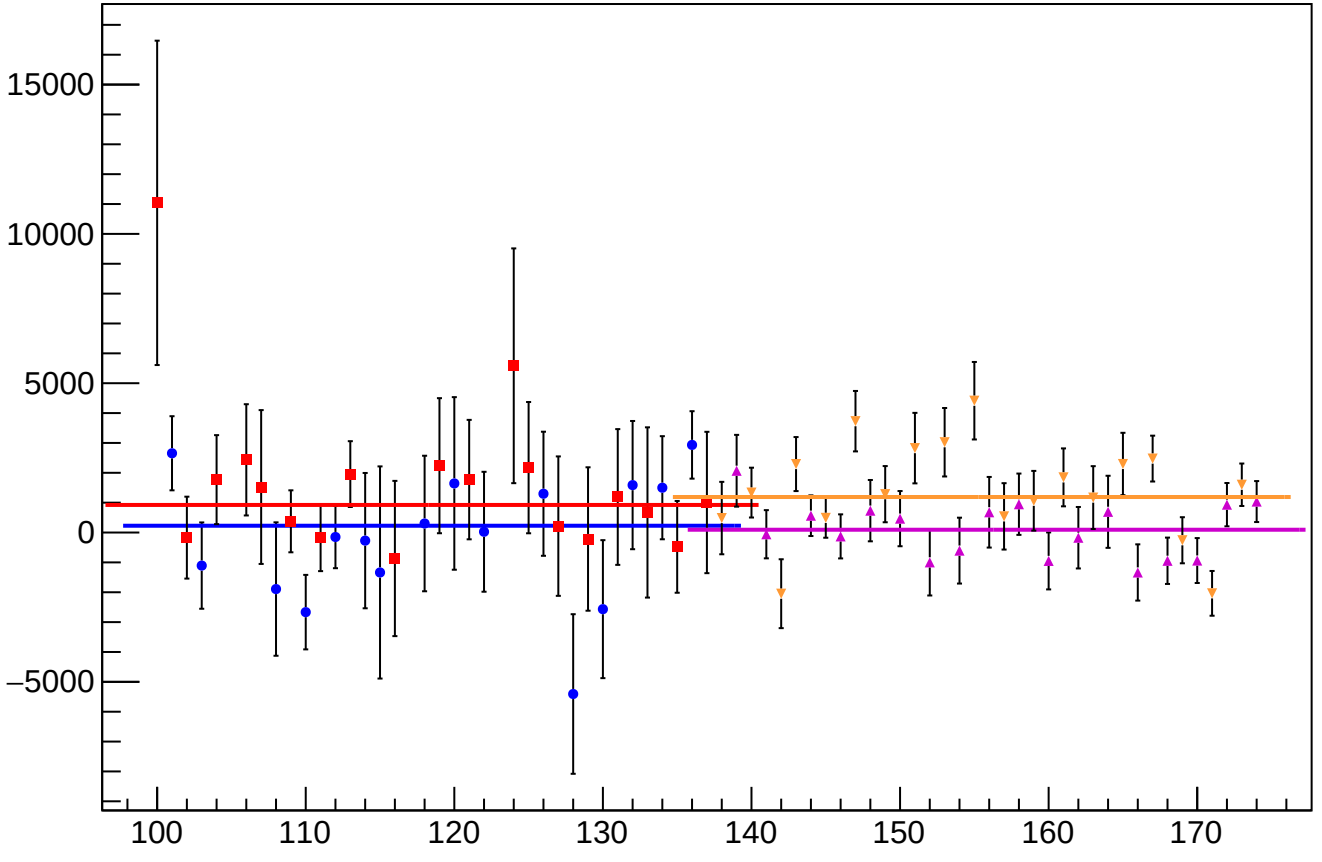
Left In: 779.689+/-0.146 χ^2/NDF:992237.4/17

+ sign 848.388+/-0.132 χ^2/NDF: 2941882.9/34

All: 841.074+/-0.092 χ^2/NDF: 5820355.5/71

- 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: 1189.372+/-211.465 χ^2/NDF:54.9/18

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

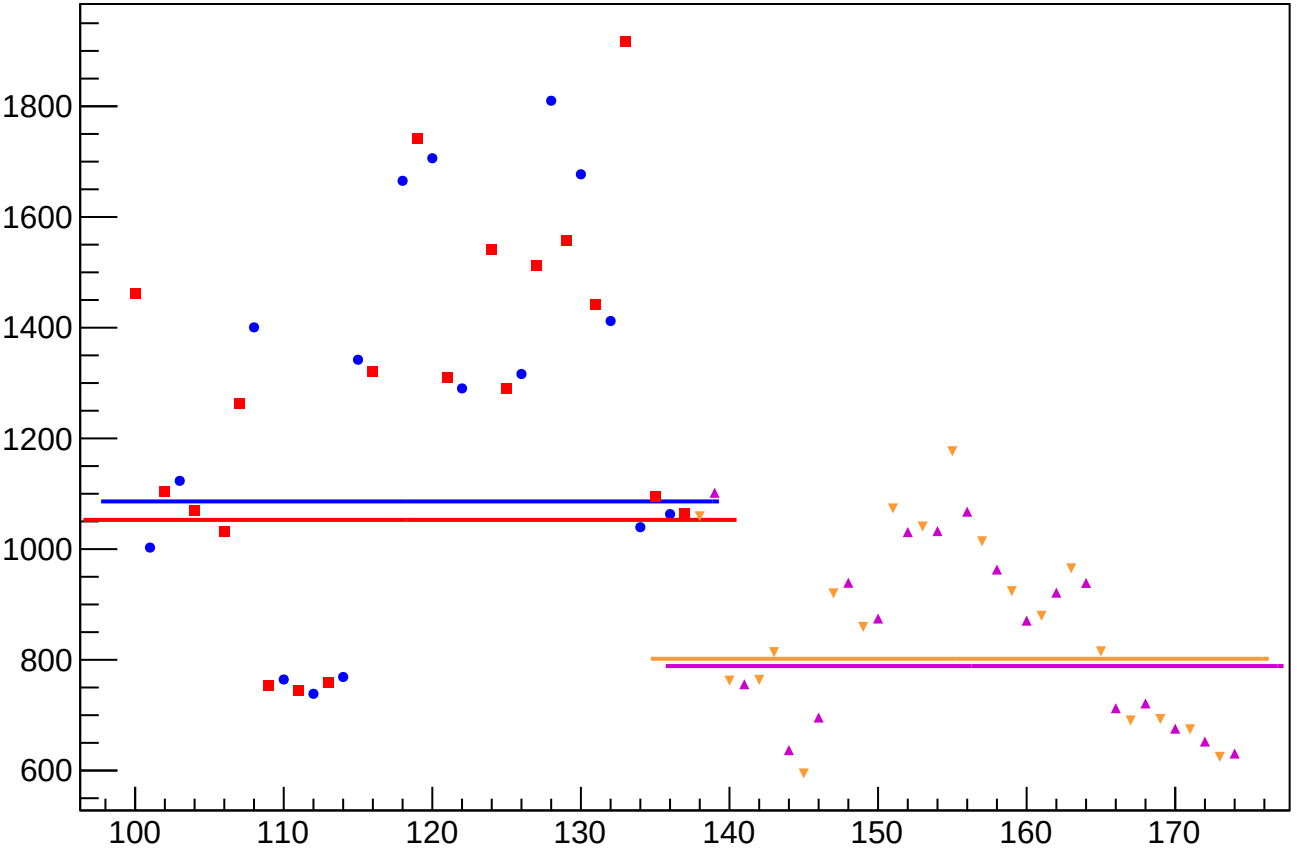
Left In: 93.601+/-208.738 χ^2/NDF:16.9/17

+ sign 996.200+/-189.042 χ^2/NDF: 83.5/34

All: 625.506+/-132.352 χ^2/NDF: 122.5/71

- 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: 801.917+/-0.150 χ^2/NDF:1114099.7/18

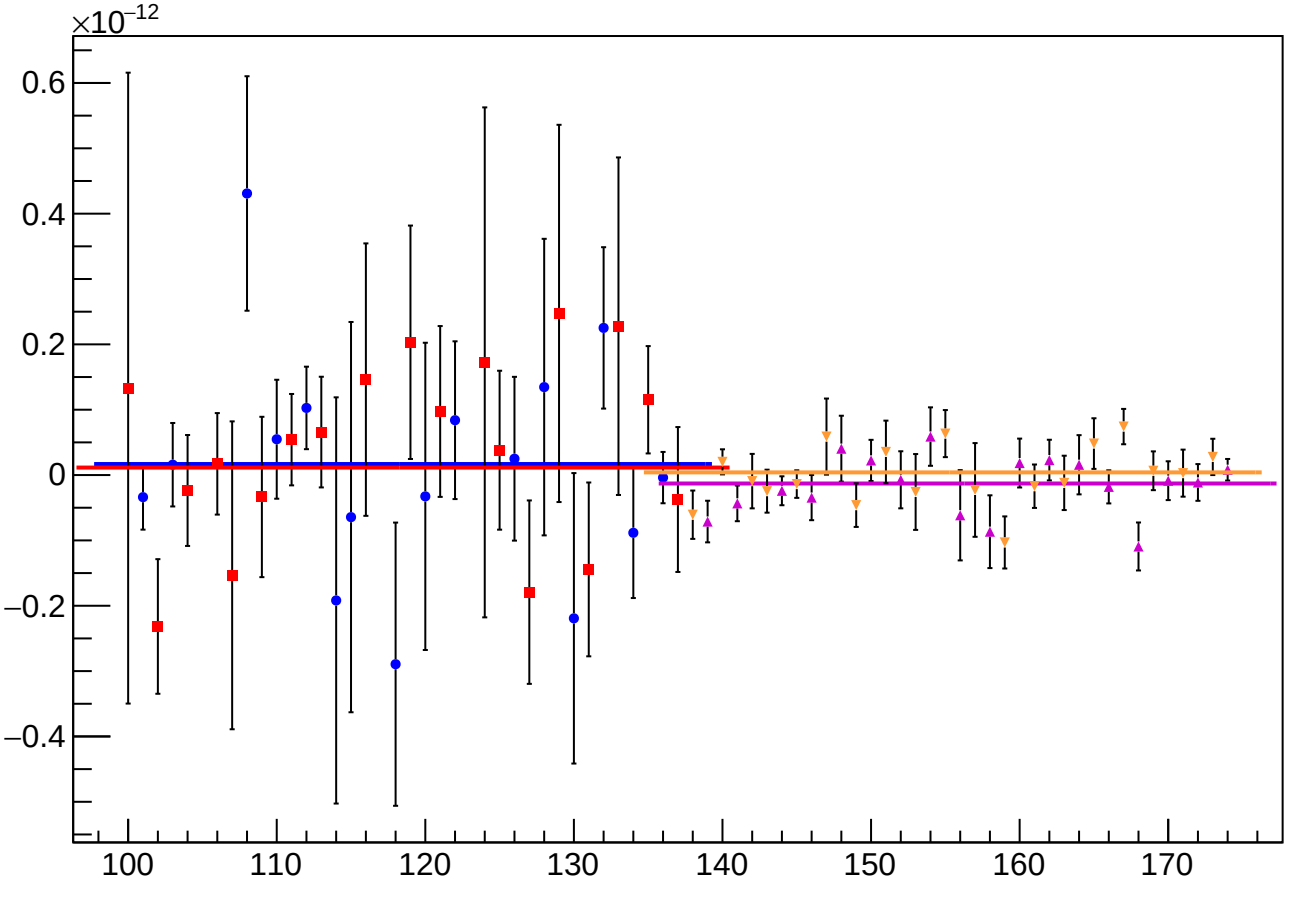
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 788.728+/-0.148 χ^2/NDF:1021435.7/17

+ sign 858.996+/-0.134 χ^2/NDF: 2887167.6/34

All: 851.642+/-0.094 χ^2/NDF: 5785942.3/71

- 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:28.6/18

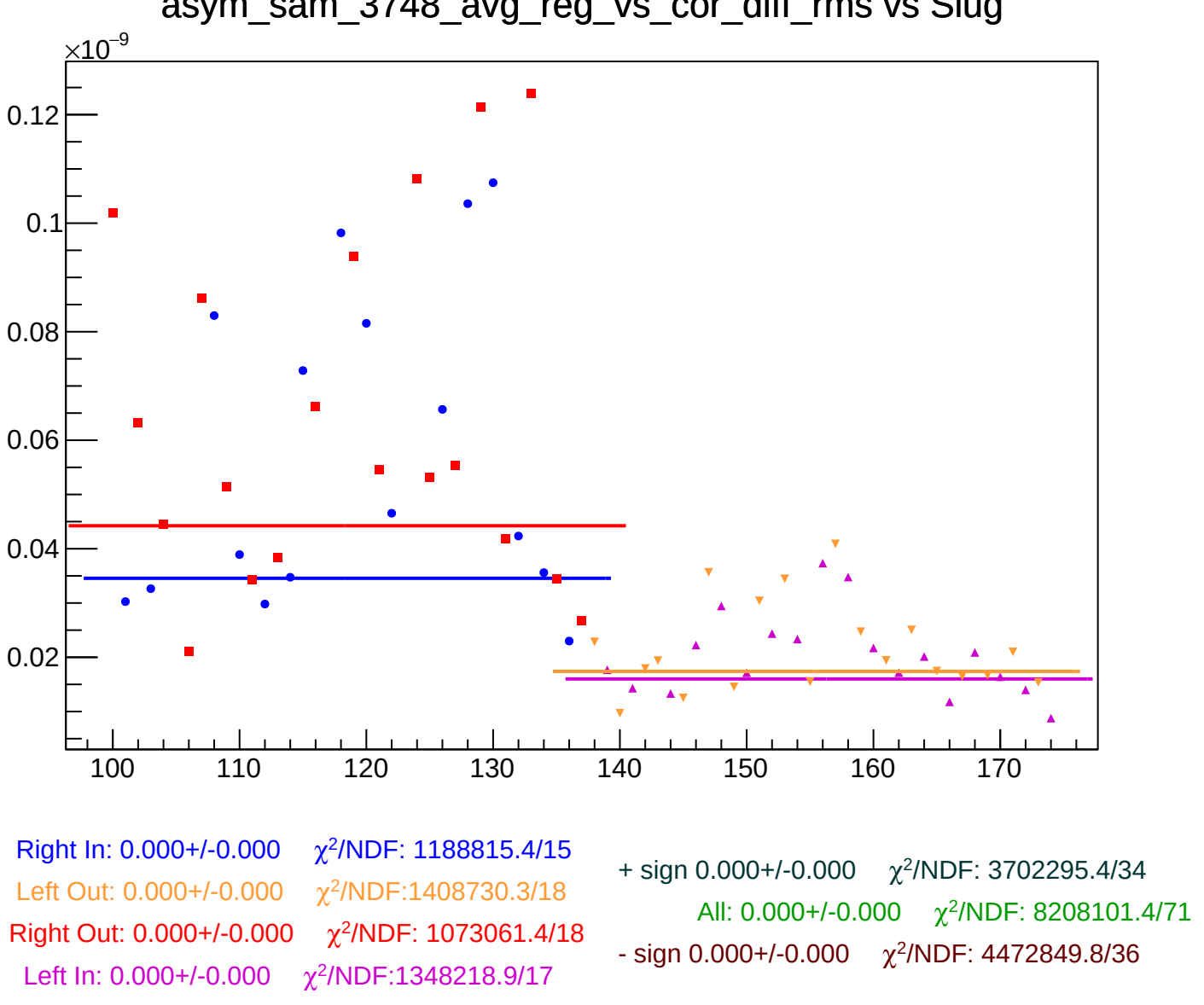
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:23.4/17

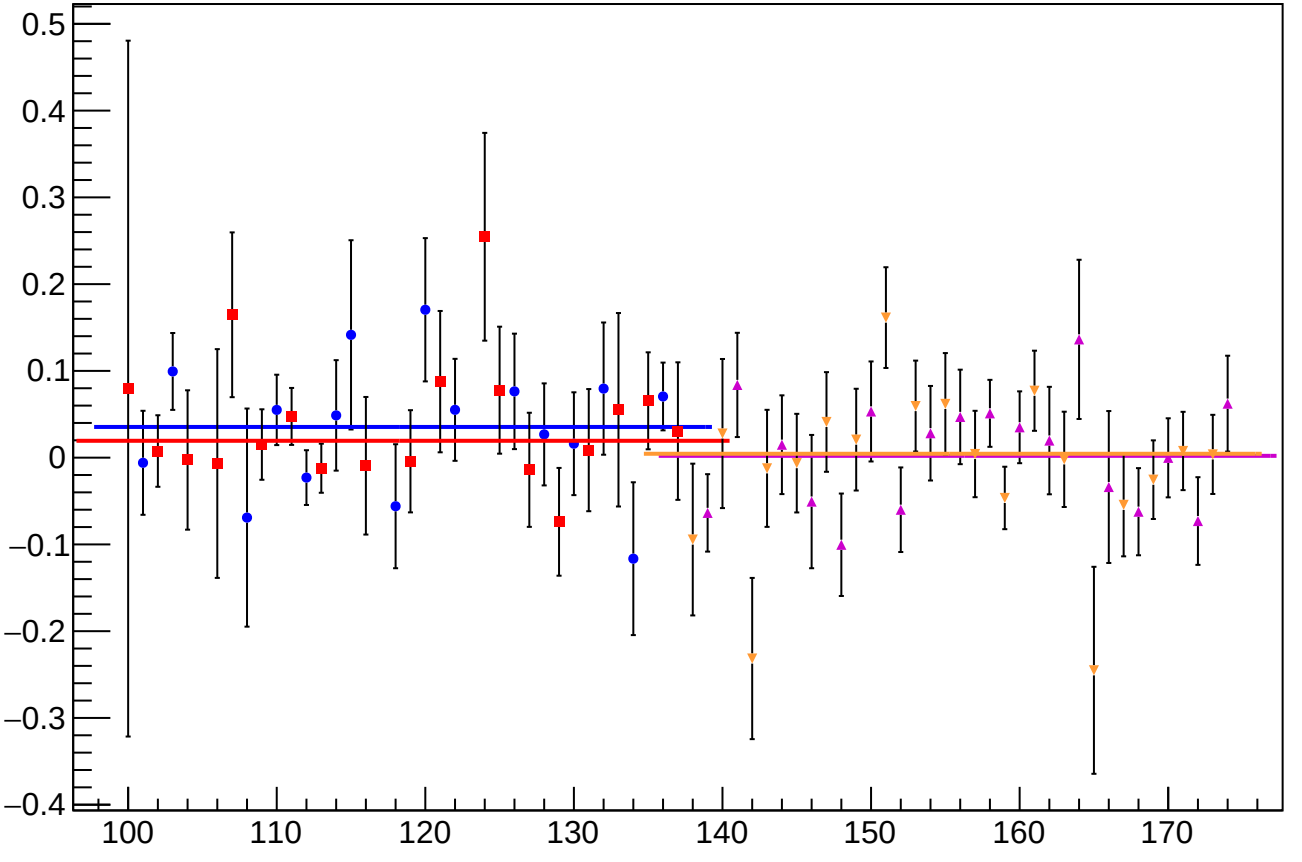
+ sign 0.000+/-0.000 χ^2/NDF: 45.8/34

All: -0.000+/-0.000 χ^2/NDF: 88.6/71

- sign -0.000+/-0.000 χ^2/NDF: 40.0/36


asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1188815.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1408730.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 1073061.4/18
Left In: 0.000+/-0.000 χ²/NDF:1348218.9/17
+ sign 0.000+/-0.000 χ²/NDF: 3702295.4/34
All: 0.000+/-0.000 χ²/NDF: 8208101.4/71
- sign 0.000+/-0.000 χ²/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:28.0/18

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

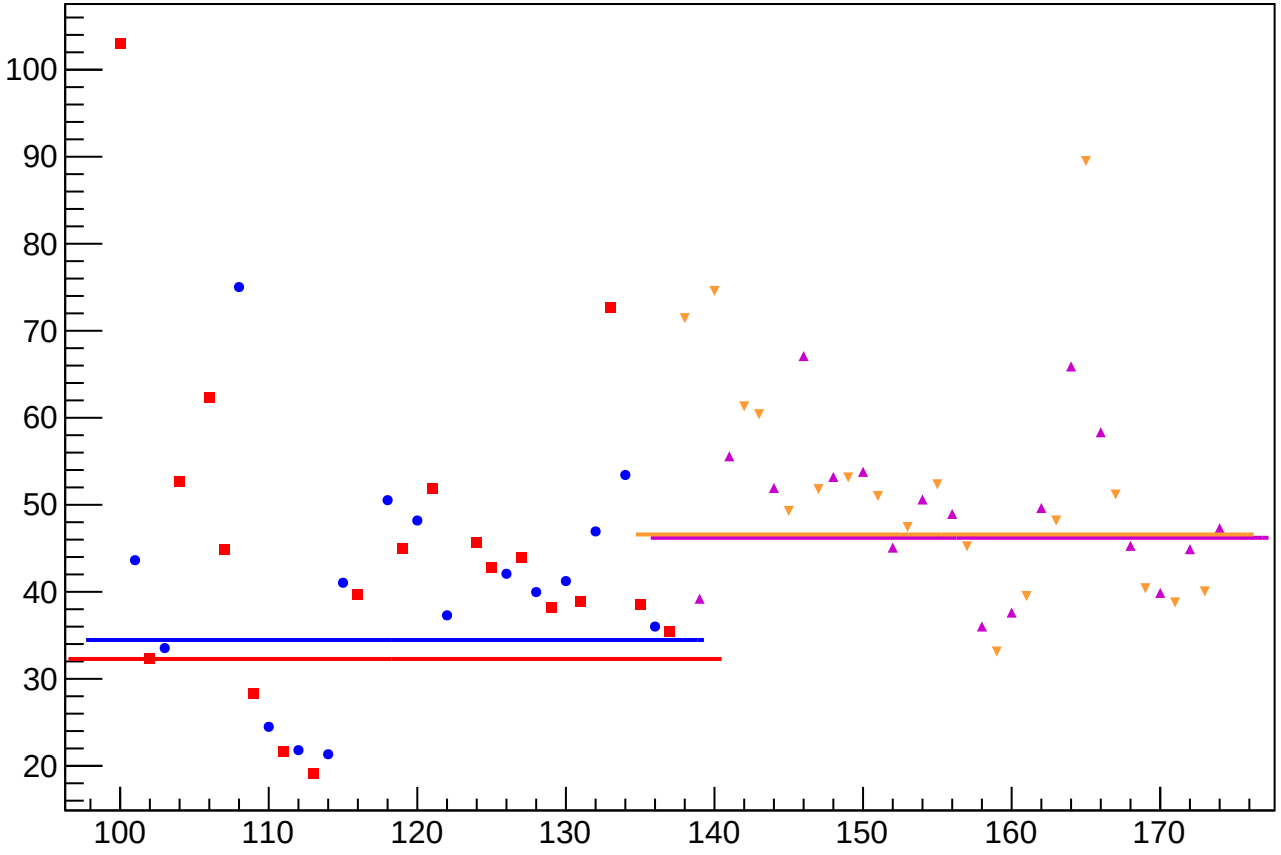
Left In: 0.002+/-0.013 χ^2/NDF:20.6/17

+ sign 0.018+/-0.009 χ^2/NDF: 47.7/34

All: 0.014+/-0.007 χ^2/NDF: 82.9/71

- 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: 46.592+/-0.009 χ^2/NDF:1323790.5/18

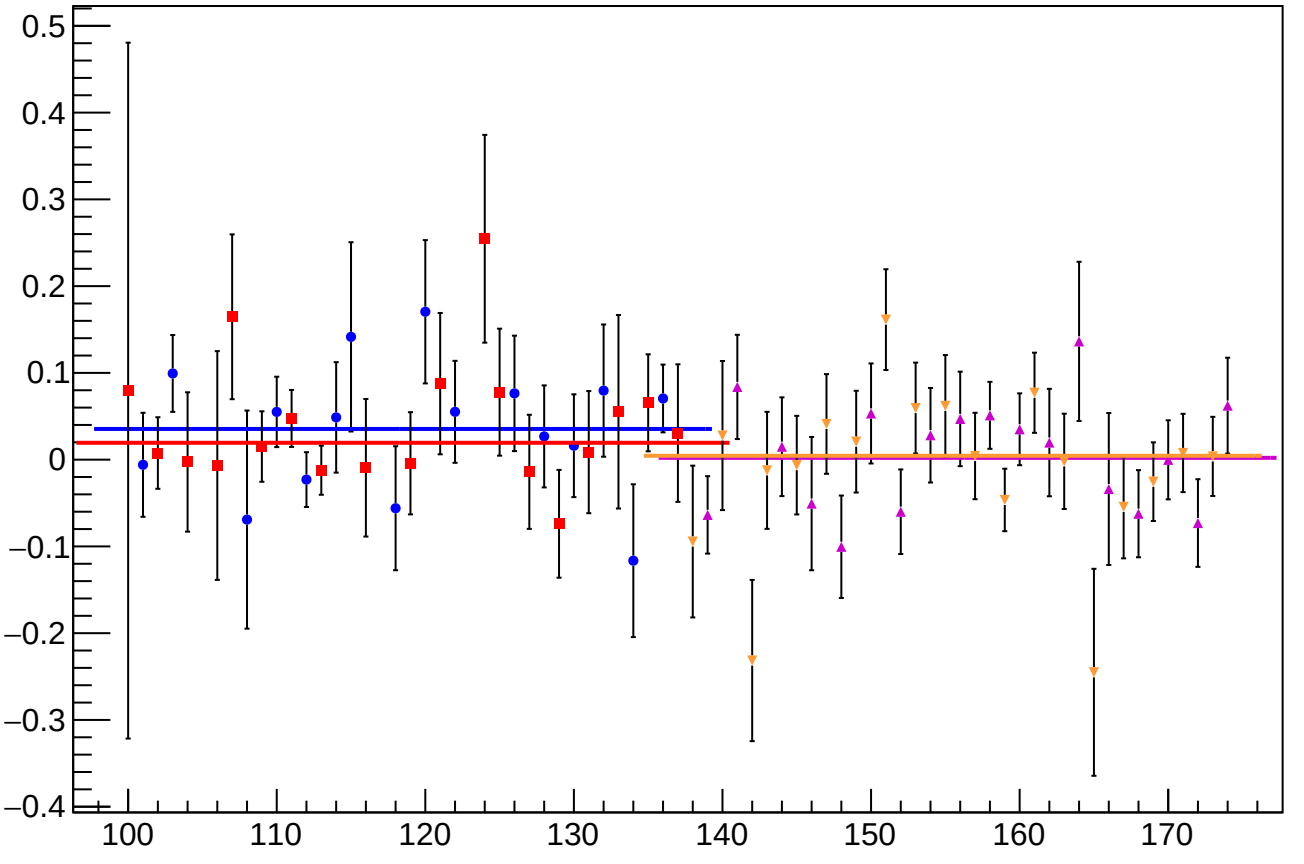
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.210+/-0.009 χ^2/NDF:751415.2/17

+ sign 41.095+/-0.007 χ^2/NDF: 3327732.5/34

All: 40.291+/-0.005 χ^2/NDF: 6952611.3/71

- 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:28.0/18

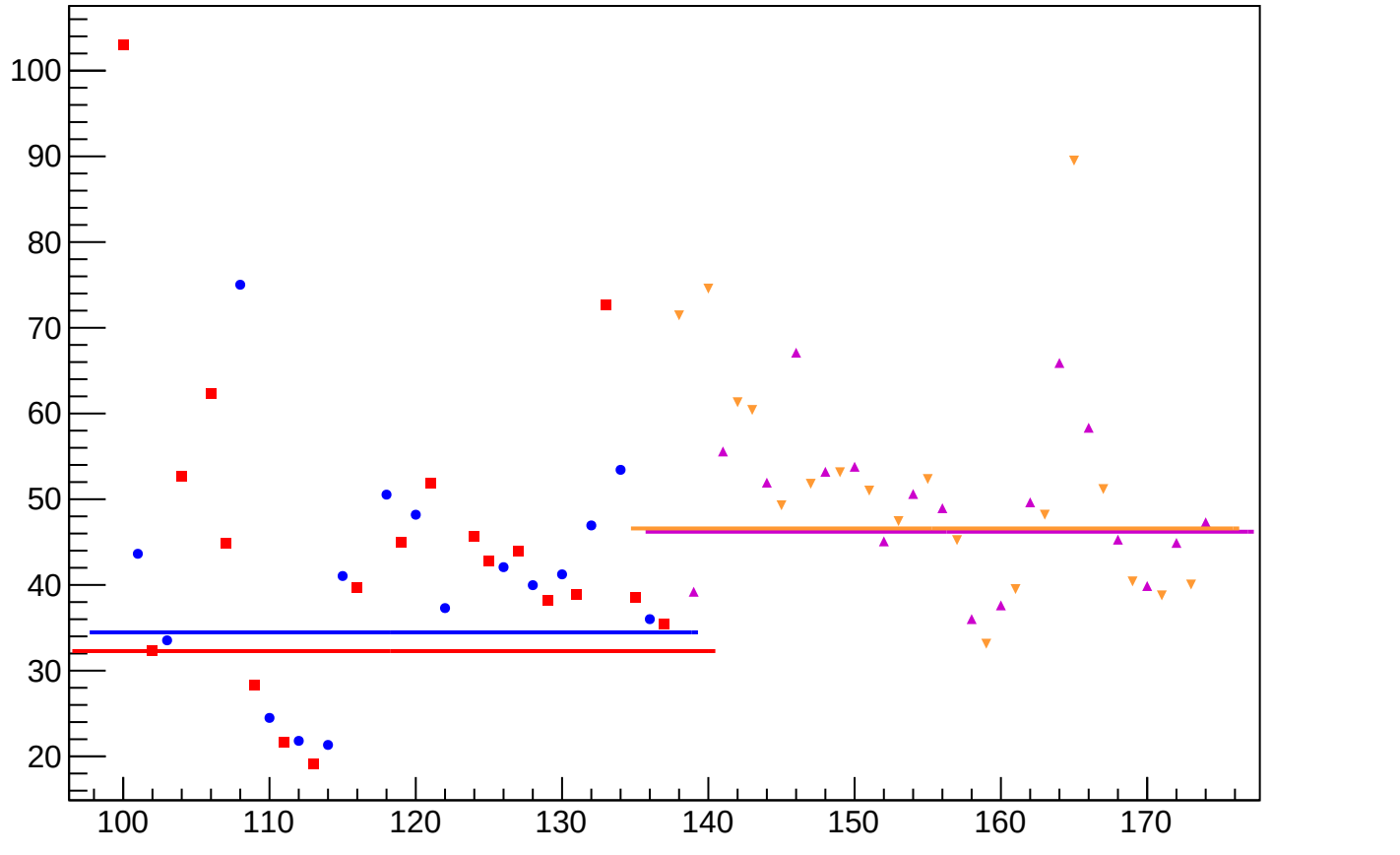
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.002+/-0.013 χ^2/NDF:20.6/17

+ sign 0.018+/-0.009 χ^2/NDF: 47.7/34

All: 0.014+/-0.007 χ^2/NDF: 82.9/71

- 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: 46.592+/-0.009 χ^2/NDF:1323790.5/18

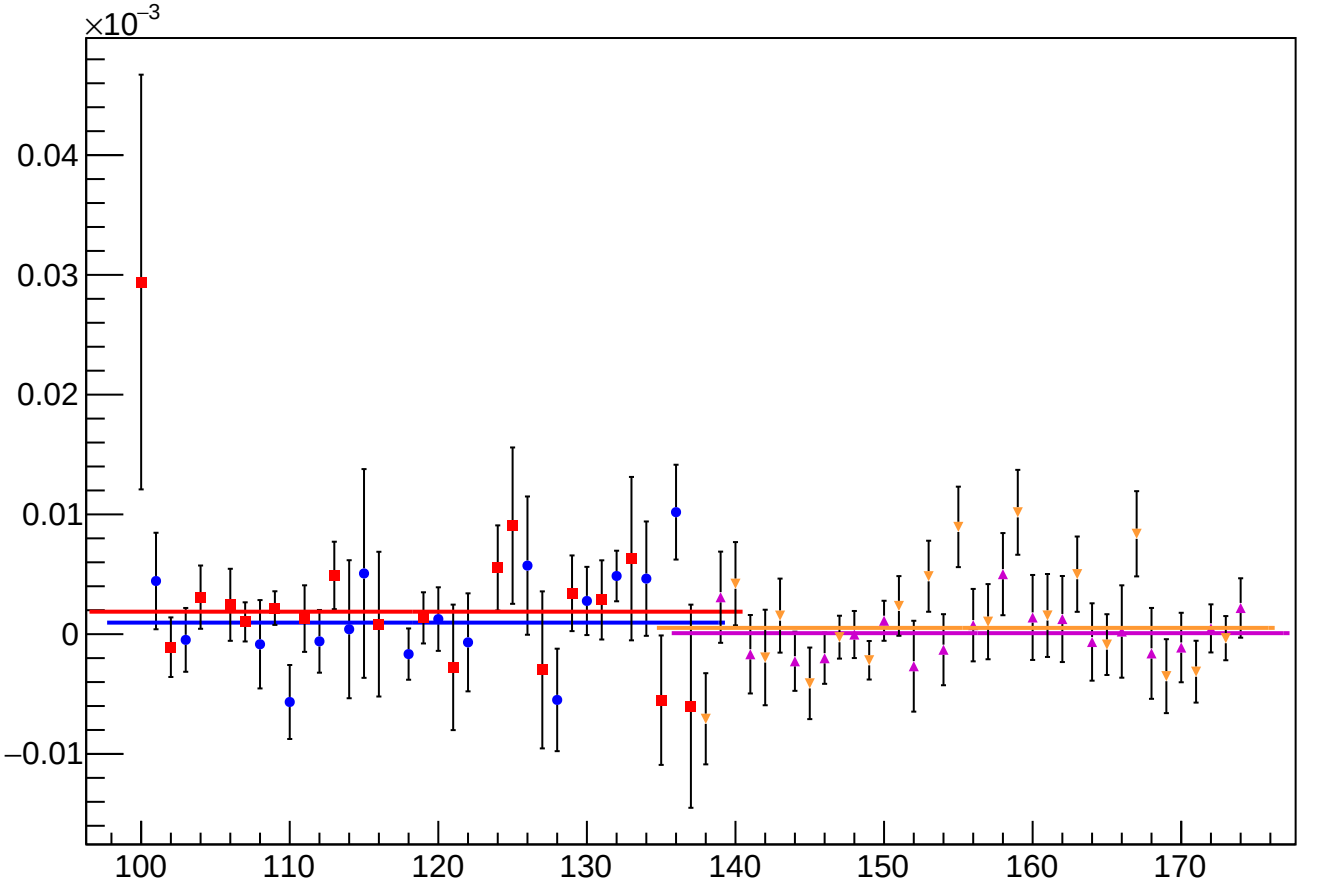
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.210+/-0.009 χ^2/NDF:751415.2/17

+ sign 41.095+/-0.007 χ^2/NDF: 3327732.5/34

All: 40.291+/-0.005 χ^2/NDF: 6952611.3/71

- 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:38.6/18

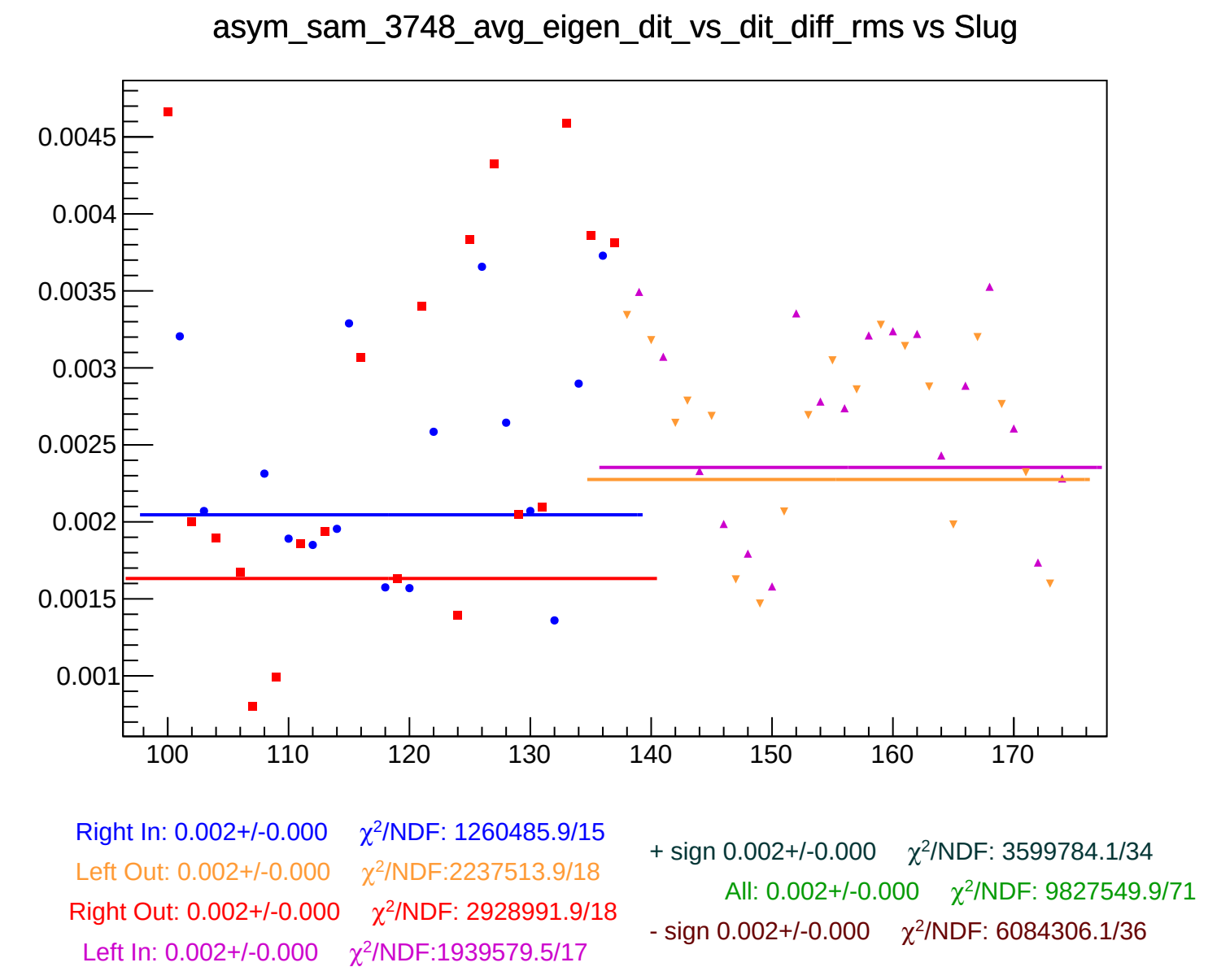
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

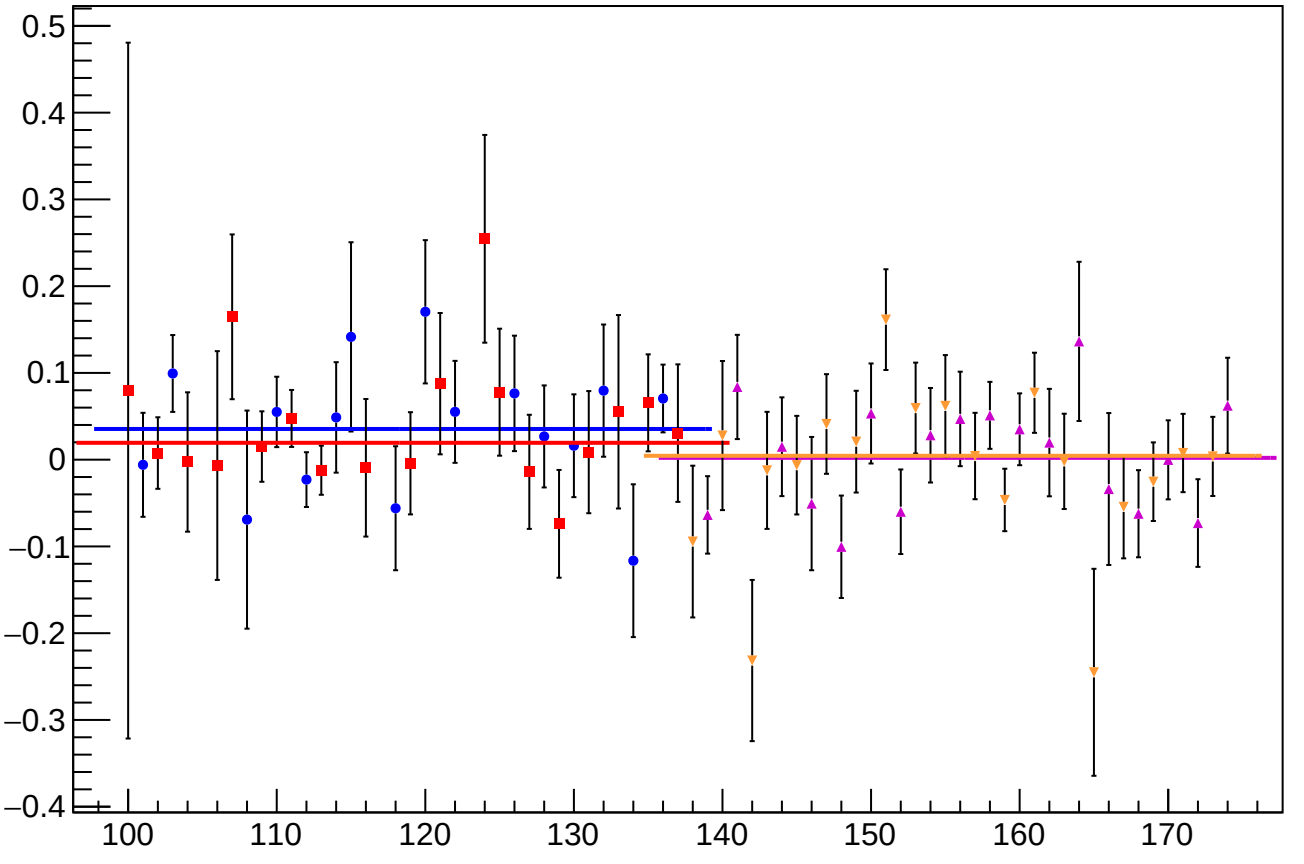
Left In: 0.000+/-0.000 χ^2/NDF:7.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 59.7/34

All: 0.000+/-0.000 χ^2/NDF: 84.0/71

- 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:2237513.9/18
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: 3599784.1/34
All: 0.002+/-0.000 χ²/NDF: 9827549.9/71
- 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:28.0/18

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

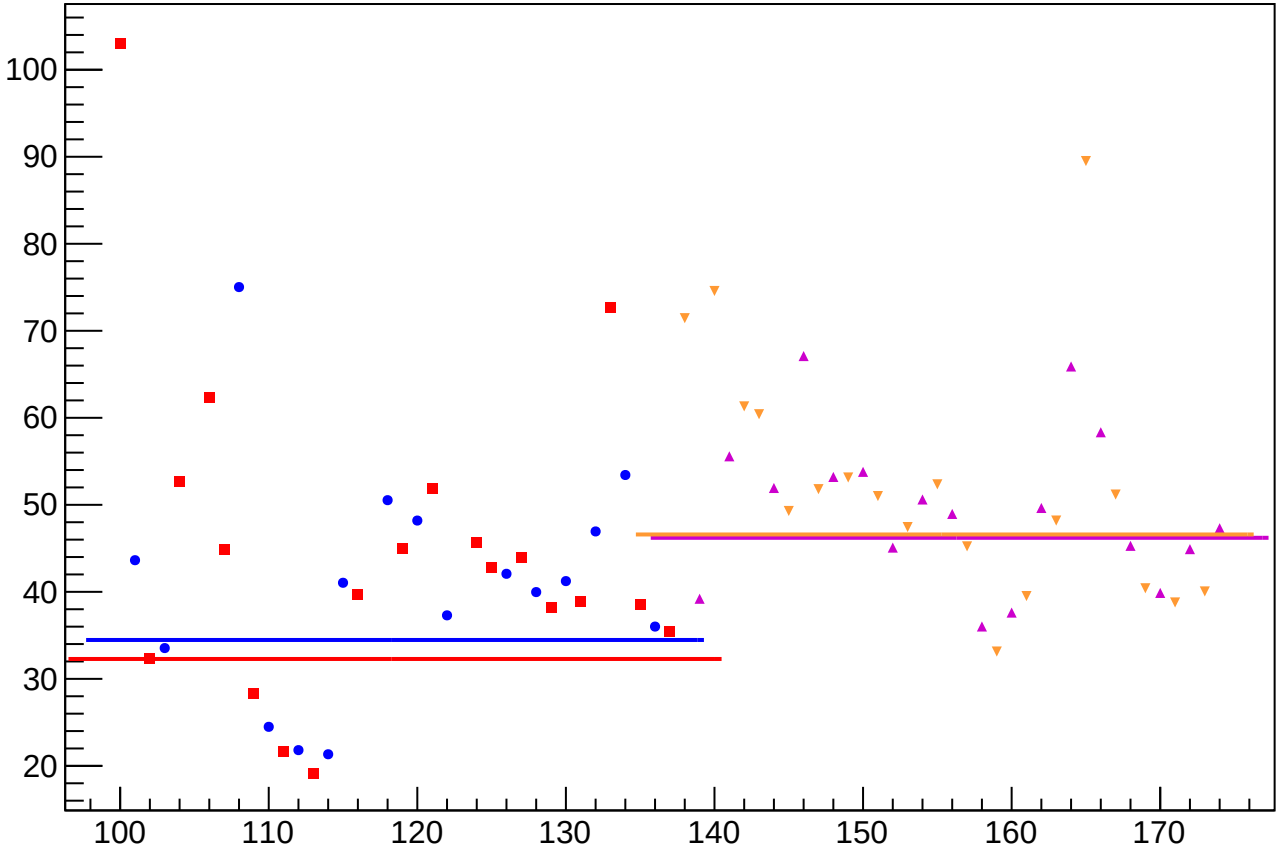
Left In: 0.002+/-0.013 χ^2/NDF:20.6/17

+ sign 0.018+/-0.009 χ^2/NDF: 47.7/34

All: 0.014+/-0.007 χ^2/NDF: 82.9/71

- sign 0.010+/-0.009 χ^2/NDF: 34.8/36

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 46.593+/-0.009 χ^2/NDF:1323802.7/18

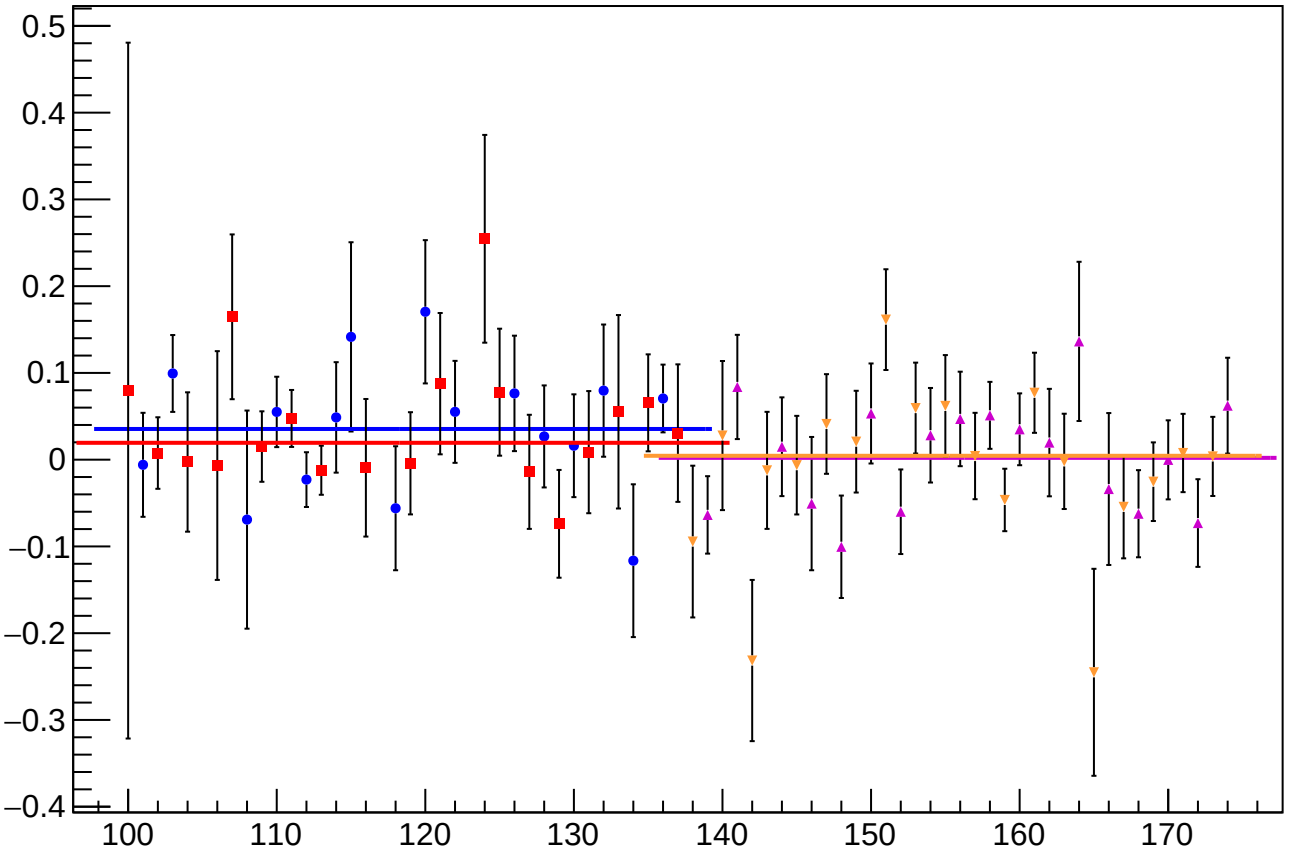
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.211+/-0.009 χ^2/NDF:751449.8/17

+ sign 41.095+/-0.007 χ^2/NDF: 3327716.8/34

All: 40.291+/-0.005 χ^2/NDF: 6952602.8/71

- sign 39.533+/-0.006 χ^2/NDF: 3596188.7/36



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.0/18

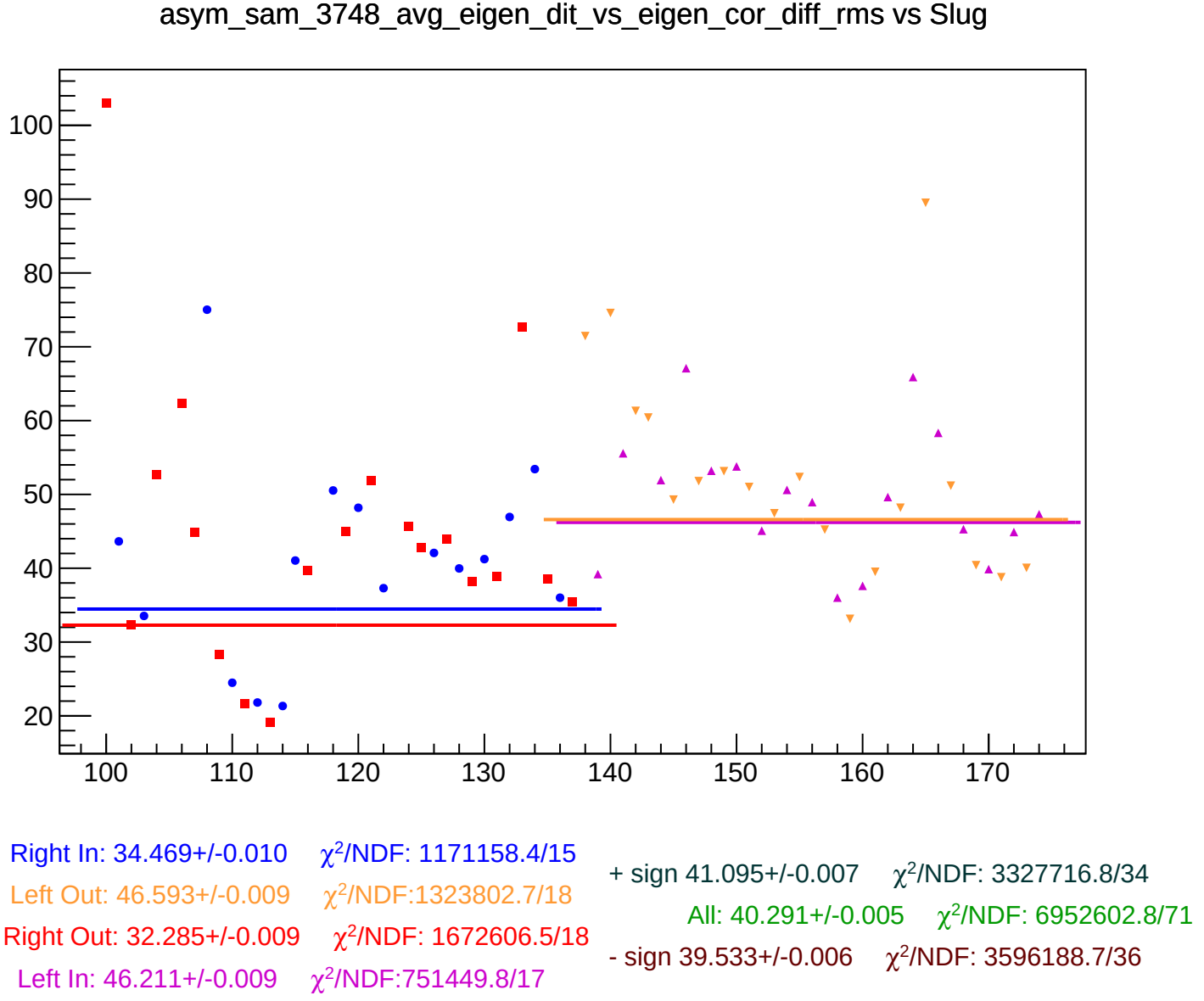
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.002+/-0.013 χ^2/NDF:20.6/17

+ sign 0.018+/-0.009 χ^2/NDF: 47.7/34

All: 0.014+/-0.007 χ^2/NDF: 82.9/71

- sign 0.010+/-0.009 χ^2/NDF: 34.8/36


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
90
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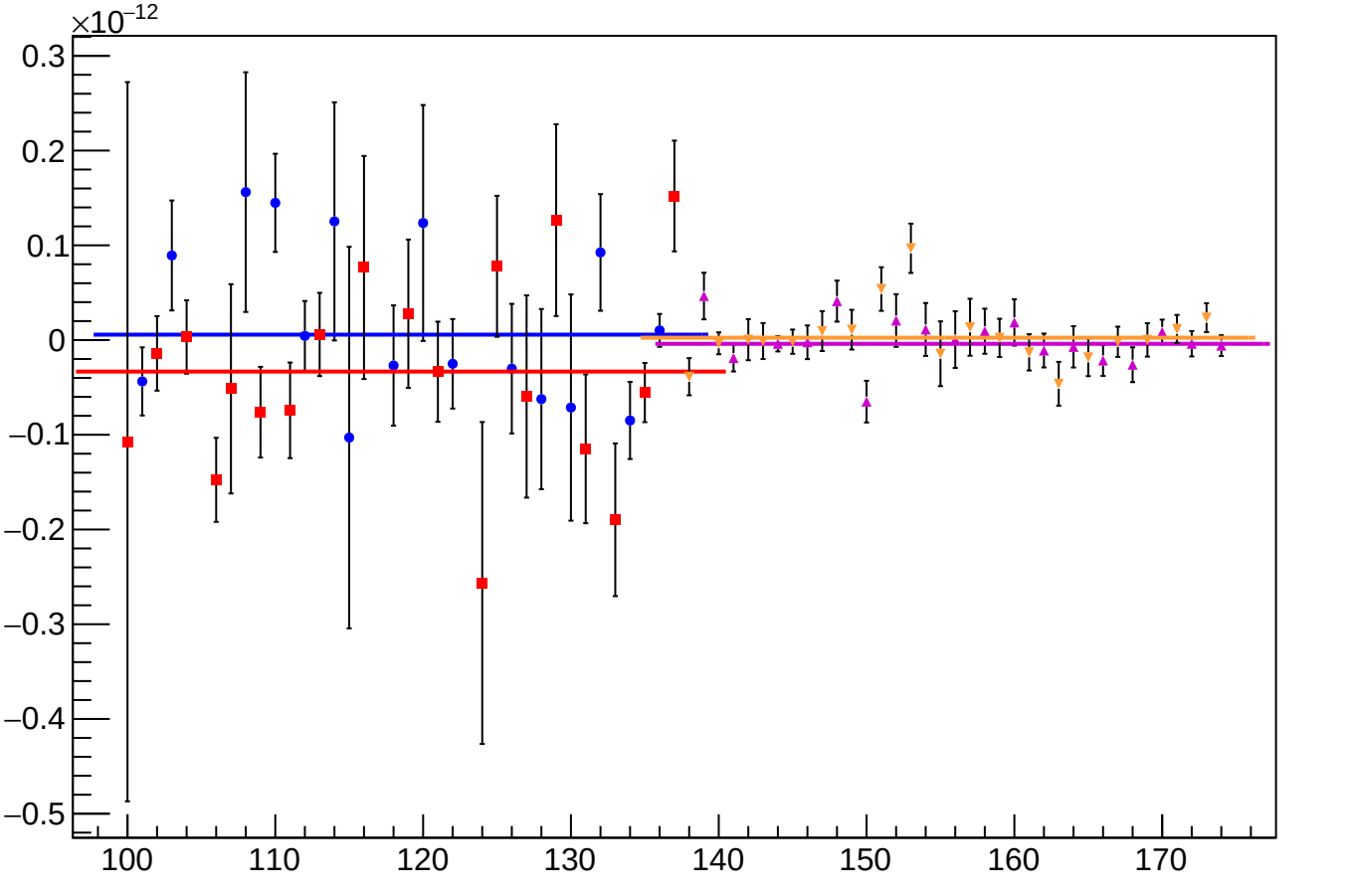
140
150
160
170
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 46.593+/-0.009 χ²/NDF:1323802.7/18
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 46.211+/-0.009 χ²/NDF:751449.8/17
+ sign 41.095+/-0.007 χ²/NDF: 3327716.8/34
All: 40.291+/-0.005 χ²/NDF: 6952602.8/71
- sign 39.533+/-0.006 χ²/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:32.2/18

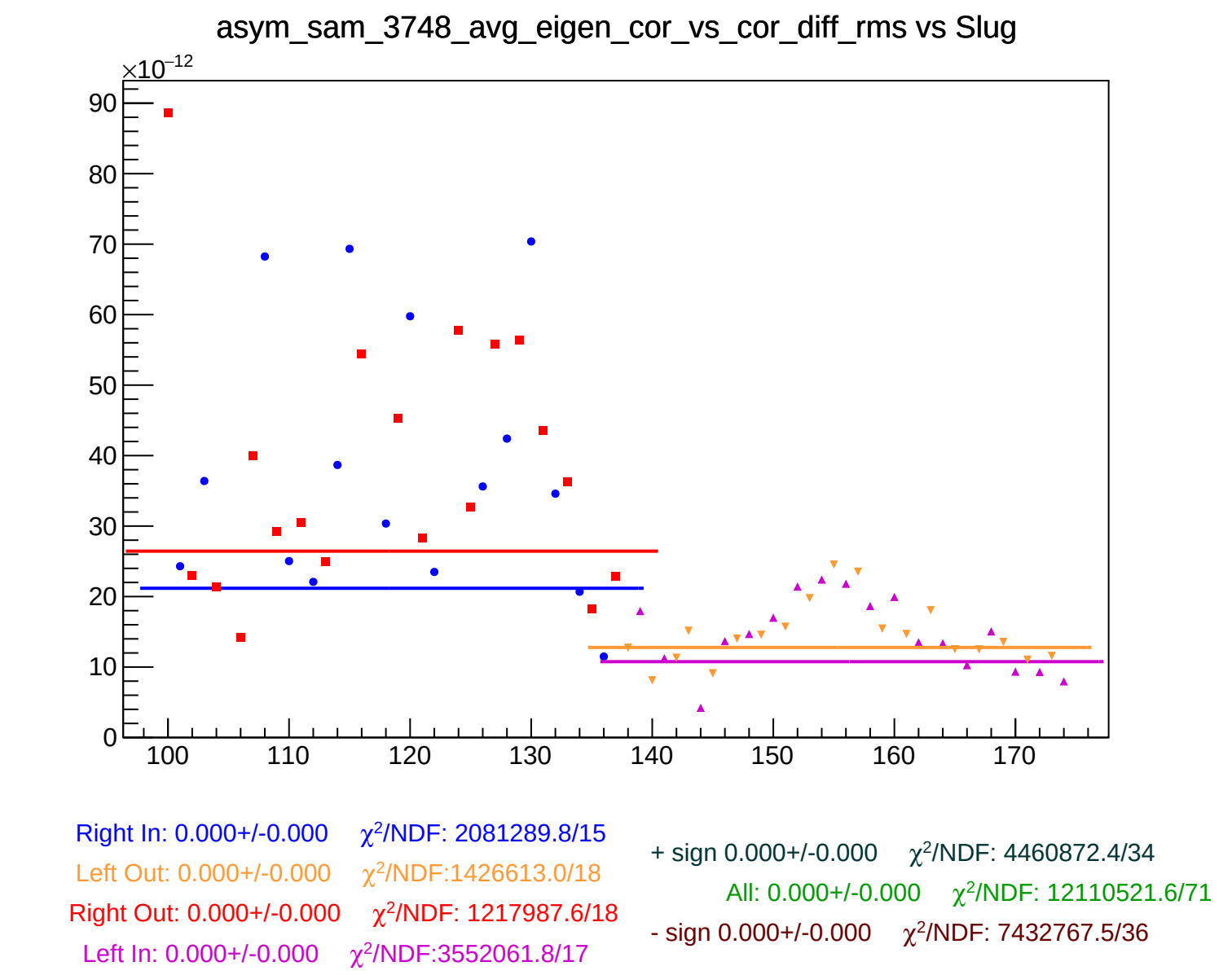
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:23.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 55.8/34

All: -0.000+/-0.000 χ^2/NDF: 120.2/71

- 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
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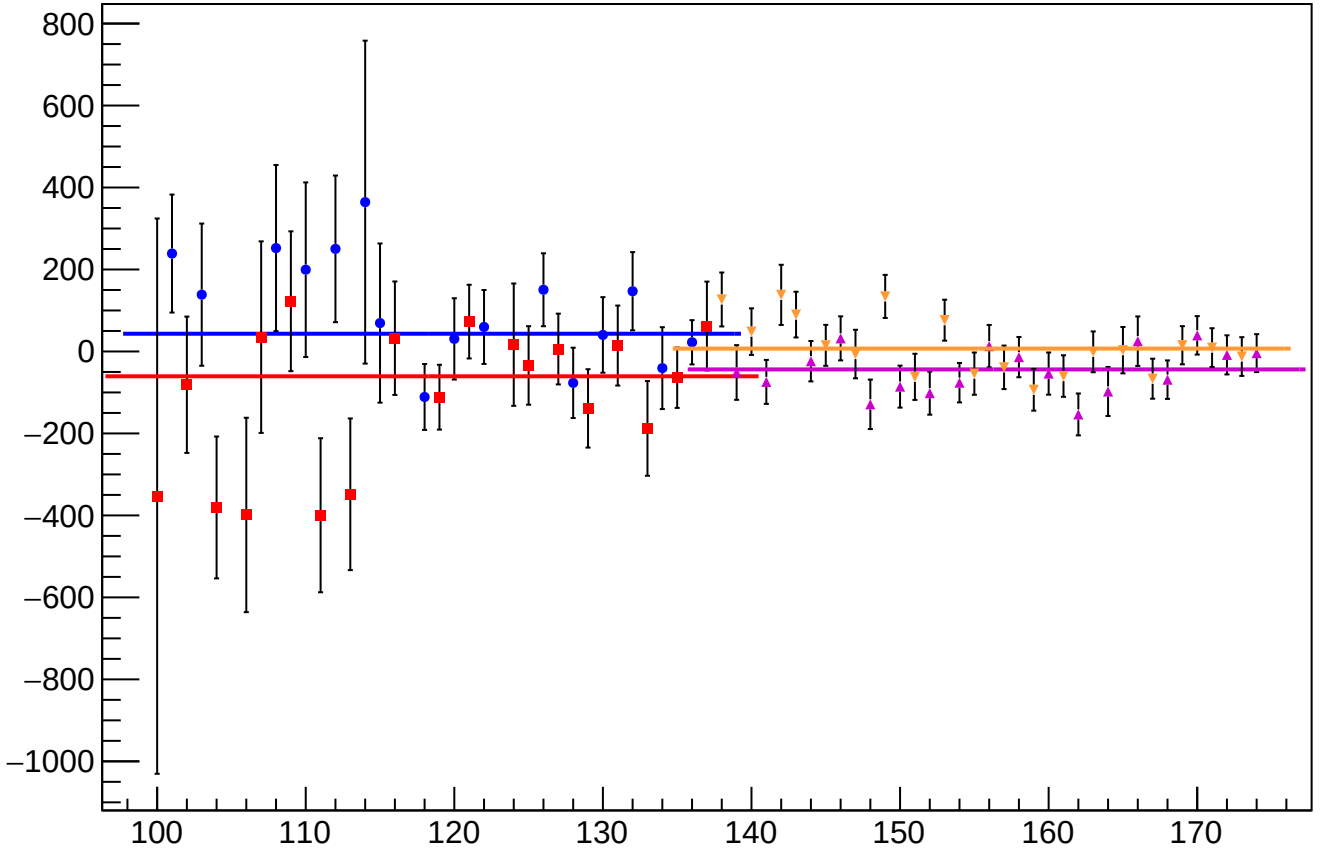
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1426613.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3552061.8/17
+ sign 0.000+/-0.000 χ²/NDF: 4460872.4/34
All: 0.000+/-0.000 χ²/NDF: 12110521.6/71
- sign 0.000+/-0.000 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: 7.020+/-12.119 χ^2/NDF:28.9/18

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

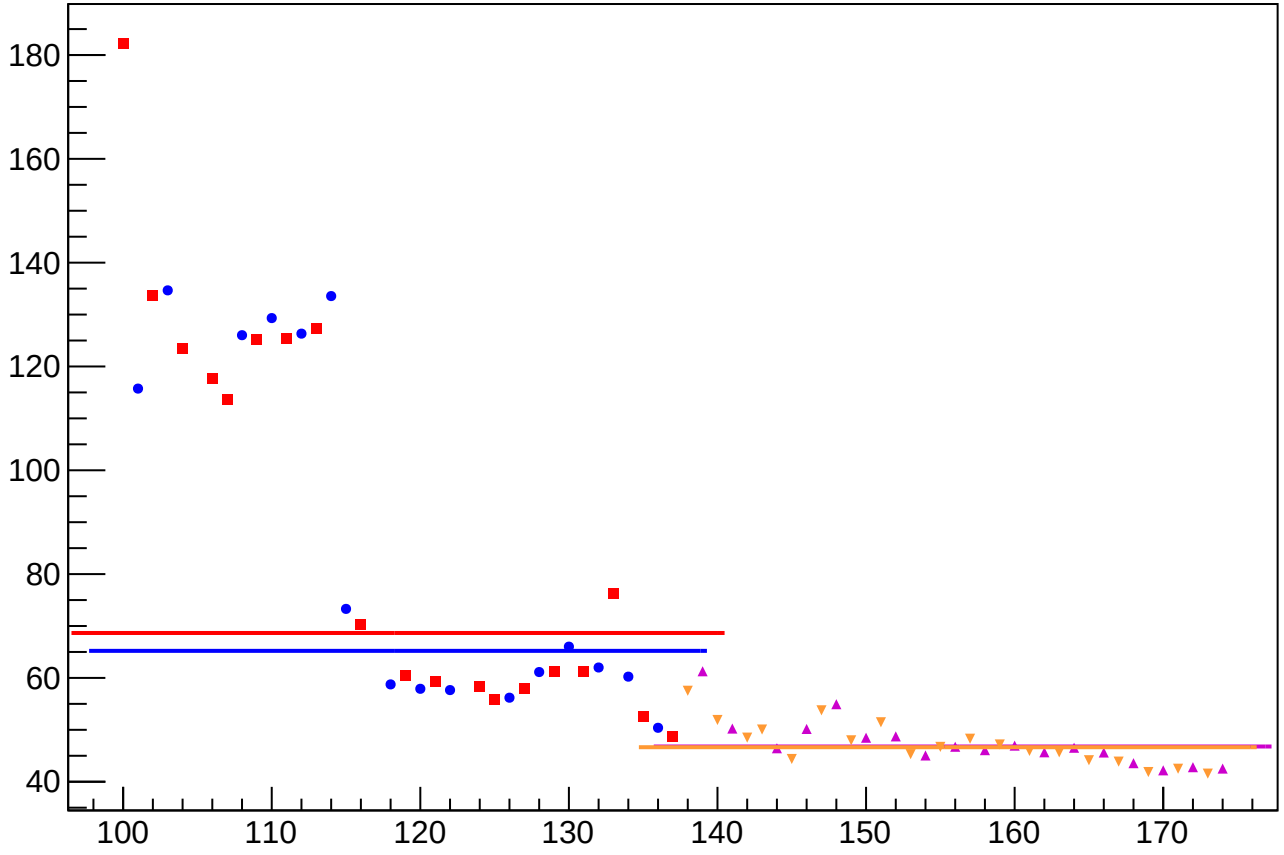
Left In: -43.781+/-12.220 χ^2/NDF:19.9/17

+ sign 13.576+/-10.968 χ^2/NDF: 45.5/34

All: -16.110+/-7.811 χ^2/NDF: 100.9/71

- 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: 46.648+/-0.009 χ^2/NDF:203980.8/18

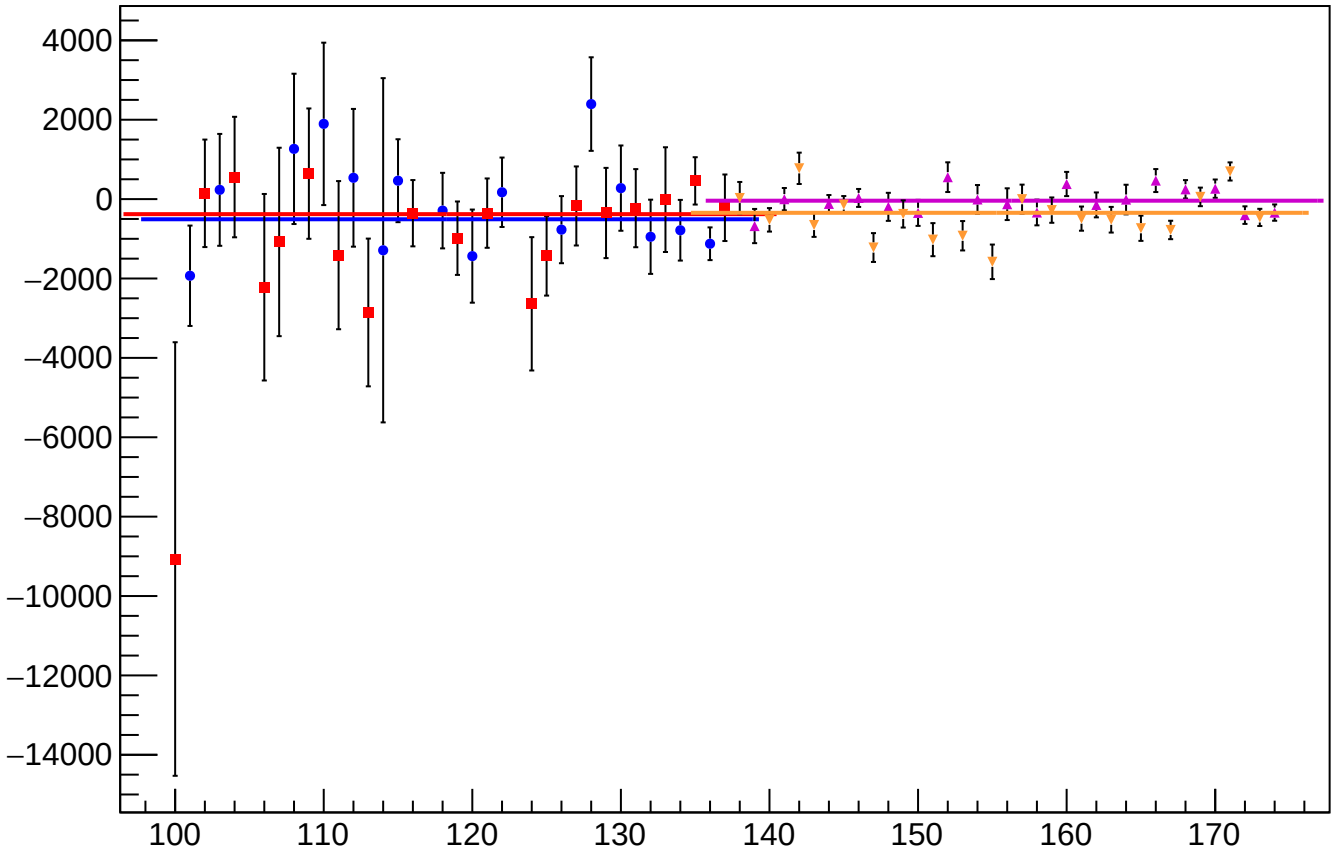
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 46.786+/-0.009 χ^2/NDF:216189.4/17

+ sign 50.008+/-0.008 χ^2/NDF: 2499821.5/34

All: 50.265+/-0.006 χ^2/NDF: 5455333.1/71

- 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: -345.240+/-67.966 χ^2/NDF:60.6/18

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

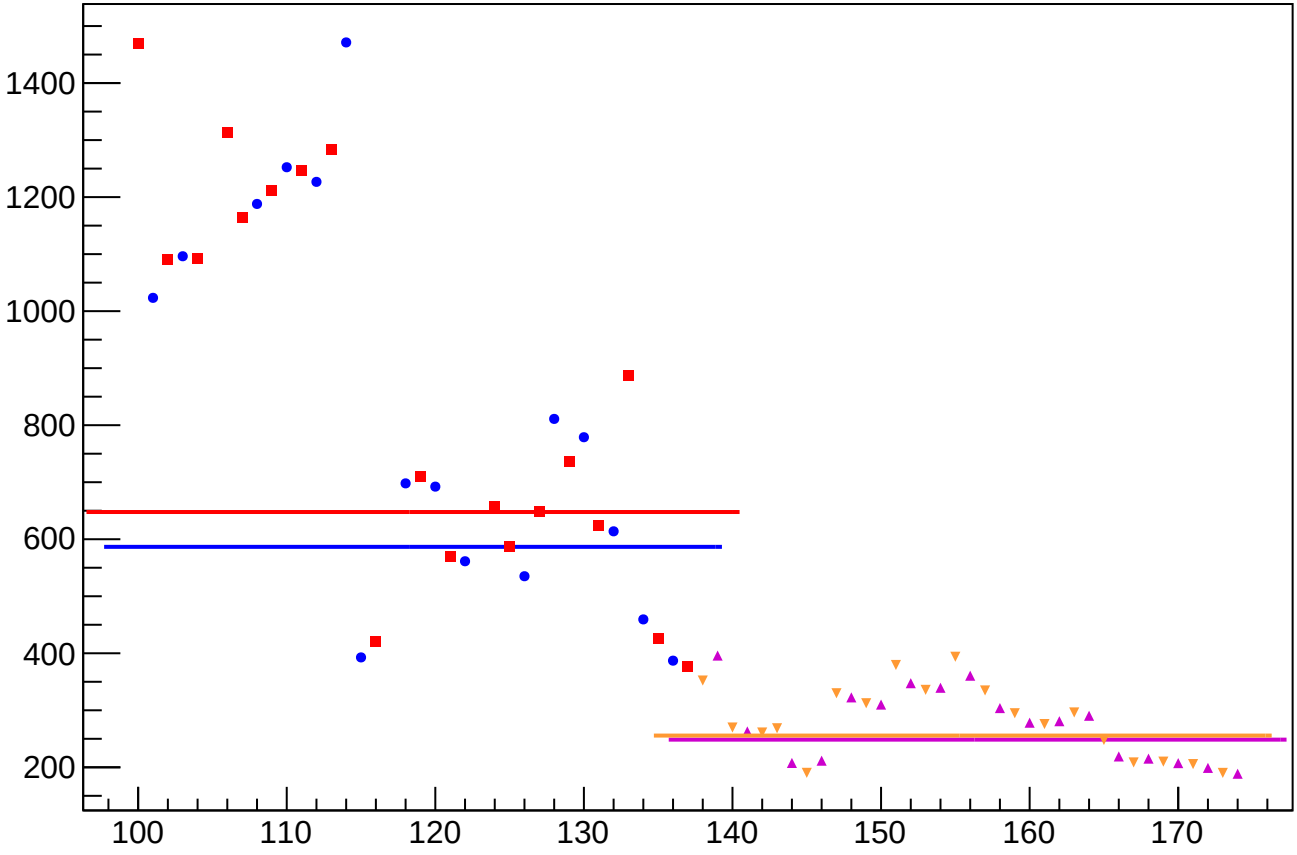
Left In: -39.944+/-66.363 χ^2/NDF:20.1/17

+ sign -357.608+/-65.331 χ^2/NDF: 76.7/34

All: -206.934+/-45.808 χ^2/NDF: 120.6/71

- 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: 255.663+/-0.048 χ^2/NDF:1523533.1/18

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

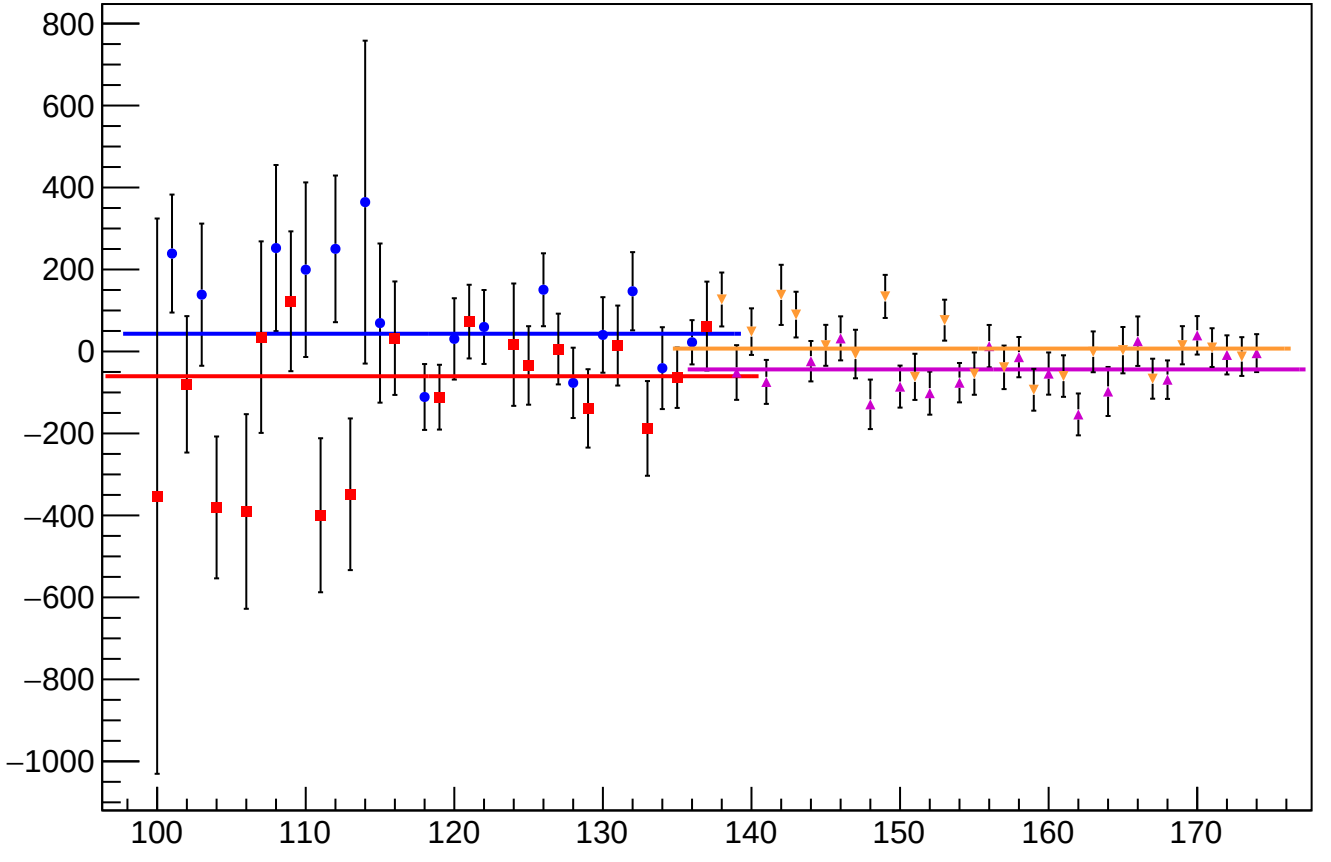
Left In: 248.525+/-0.047 χ^2/NDF:1459861.9/17

+ sign 280.826+/-0.046 χ^2/NDF: 7182498.2/34

All: 277.146+/-0.032 χ^2/NDF: 15304253.2/71

- 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: 7.020+/-12.119 χ^2/NDF:28.9/18

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

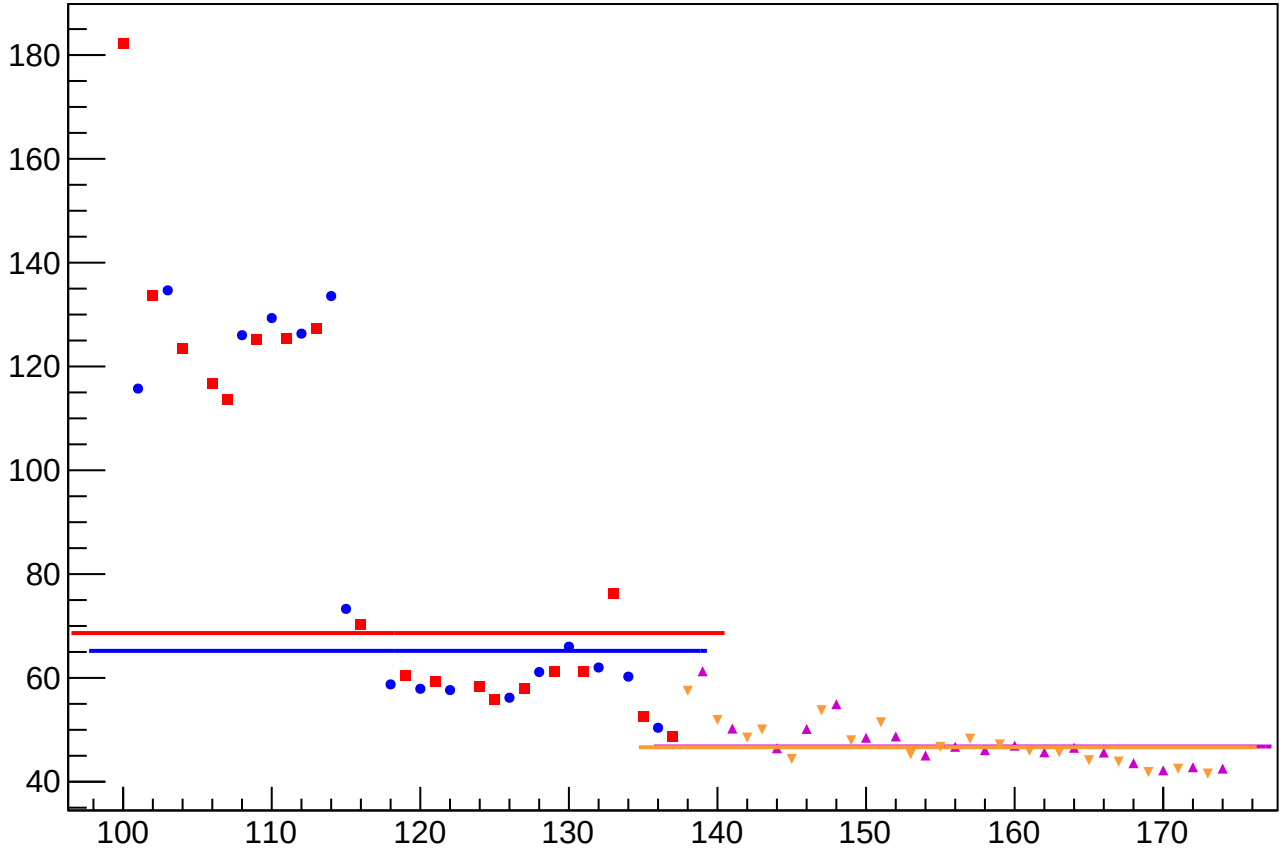
Left In: -43.779+/-12.220 χ^2/NDF:19.9/17

+ sign 13.576+/-10.968 χ^2/NDF: 45.5/34

All: -16.097+/-7.811 χ^2/NDF: 100.8/71

- 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: 46.648+/-0.009 χ^2/NDF:203980.8/18

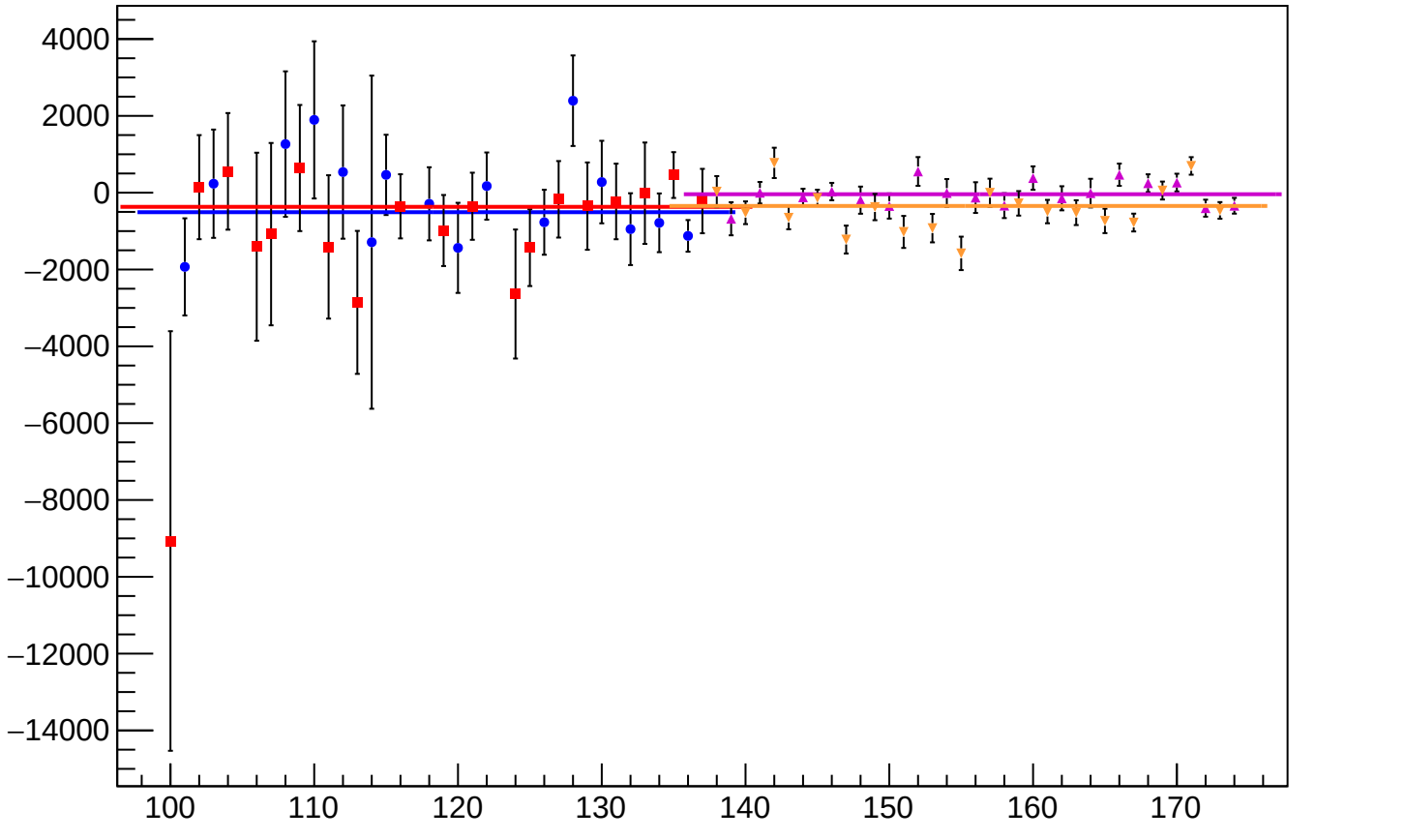
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.786+/-0.009 χ^2/NDF:216189.3/17

+ sign 50.008+/-0.008 χ^2/NDF: 2499823.6/34

All: 50.264+/-0.006 χ^2/NDF: 5450472.9/71

- 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: -345.238+/-67.965 χ^2/NDF:60.6/18

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

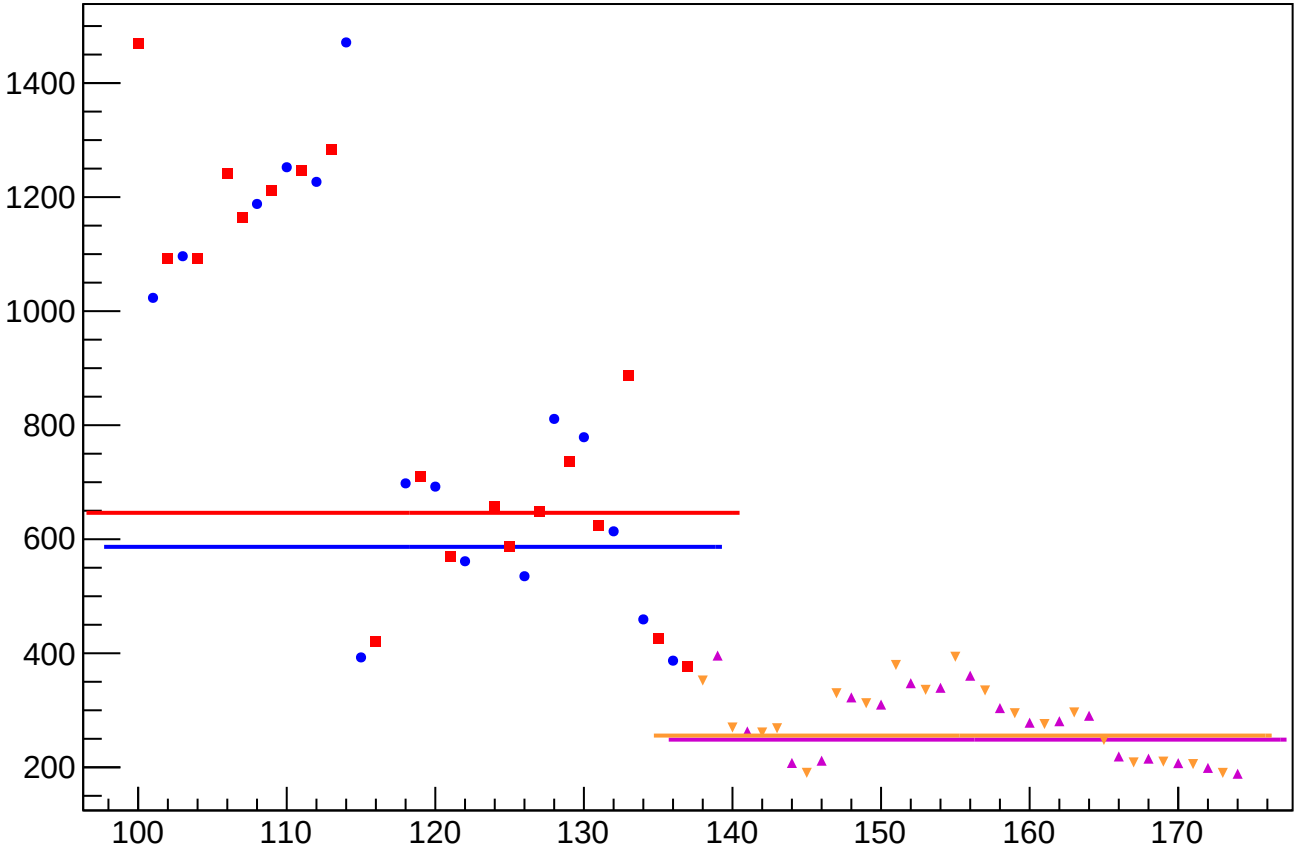
Left In: -39.942+/-66.363 χ^2/NDF:20.1/17

+ sign -357.605+/-65.331 χ^2/NDF: 76.7/34

All: -206.590+/-45.808 χ^2/NDF: 120.1/71

- 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: 255.663+/-0.048 χ^2/NDF:1523542.0/18

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

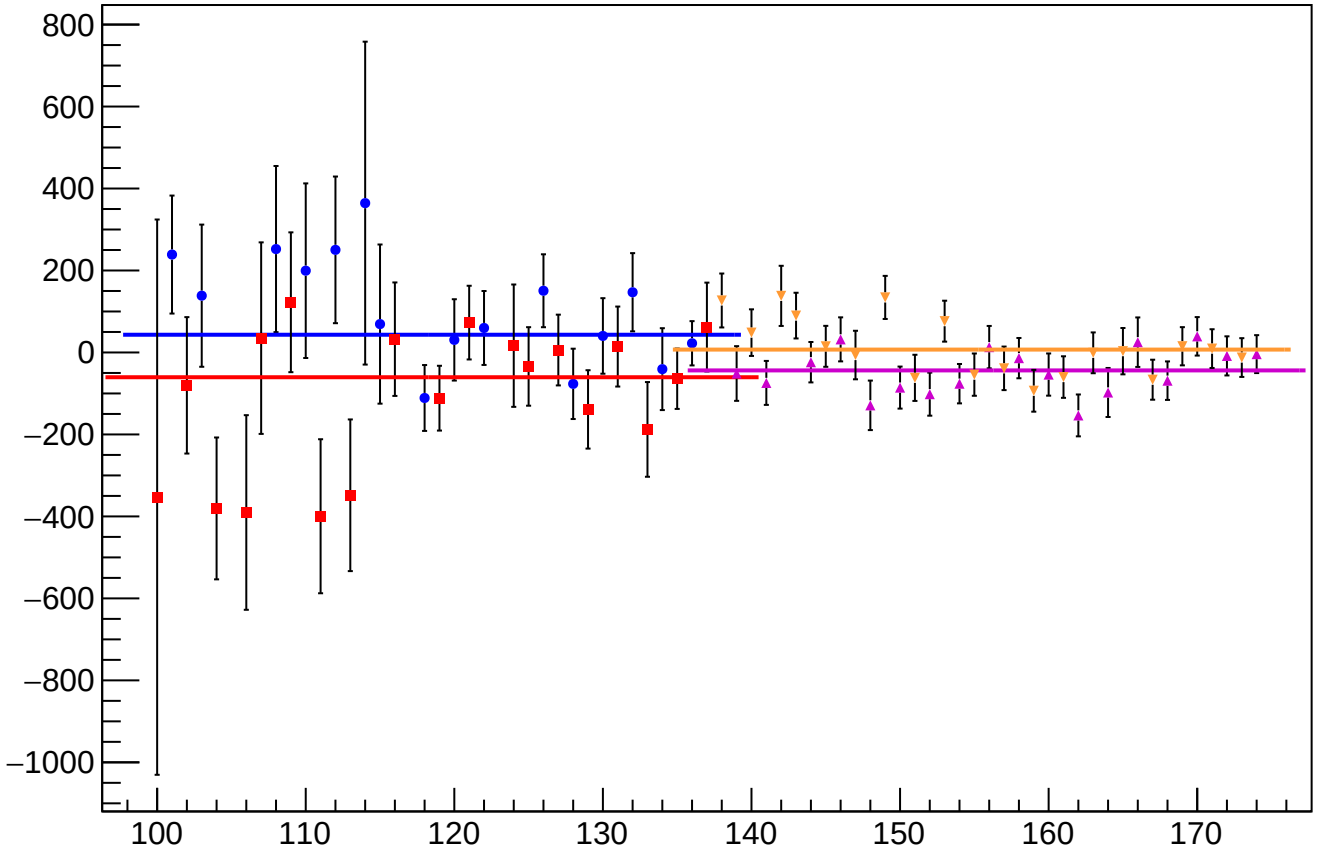
Left In: 248.525+/-0.047 χ^2/NDF:1459857.6/17

+ sign 280.825+/-0.046 χ^2/NDF: 7182533.7/34

All: 277.089+/-0.032 χ^2/NDF: 15226036.4/71

- 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: 7.020+/-12.119 χ^2/NDF:28.9/18

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

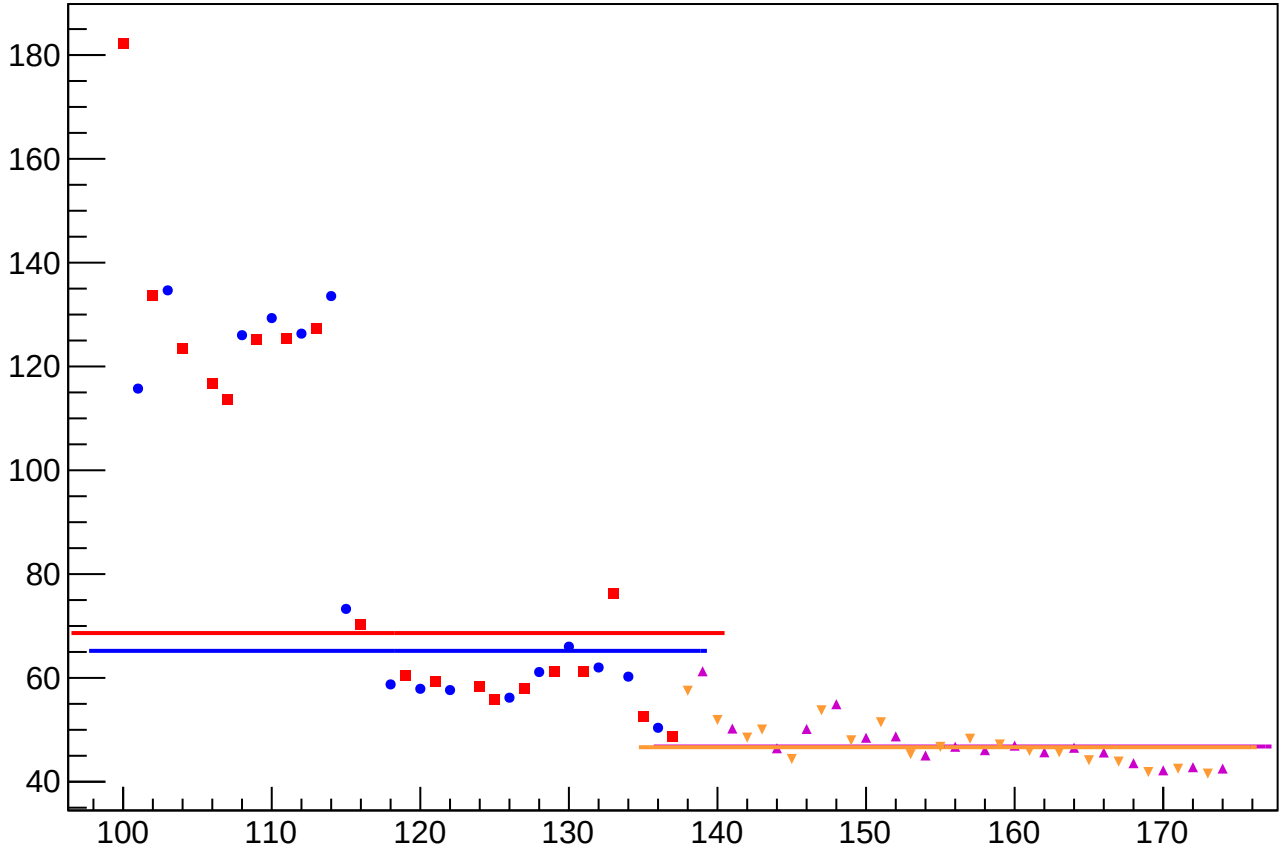
Left In: -43.779+/-12.220 χ^2/NDF:19.9/17

+ sign 13.576+/-10.968 χ^2/NDF: 45.5/34

All: -16.097+/-7.811 χ^2/NDF: 100.8/71

- 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: 46.648+/-0.009 χ^2/NDF:203980.8/18

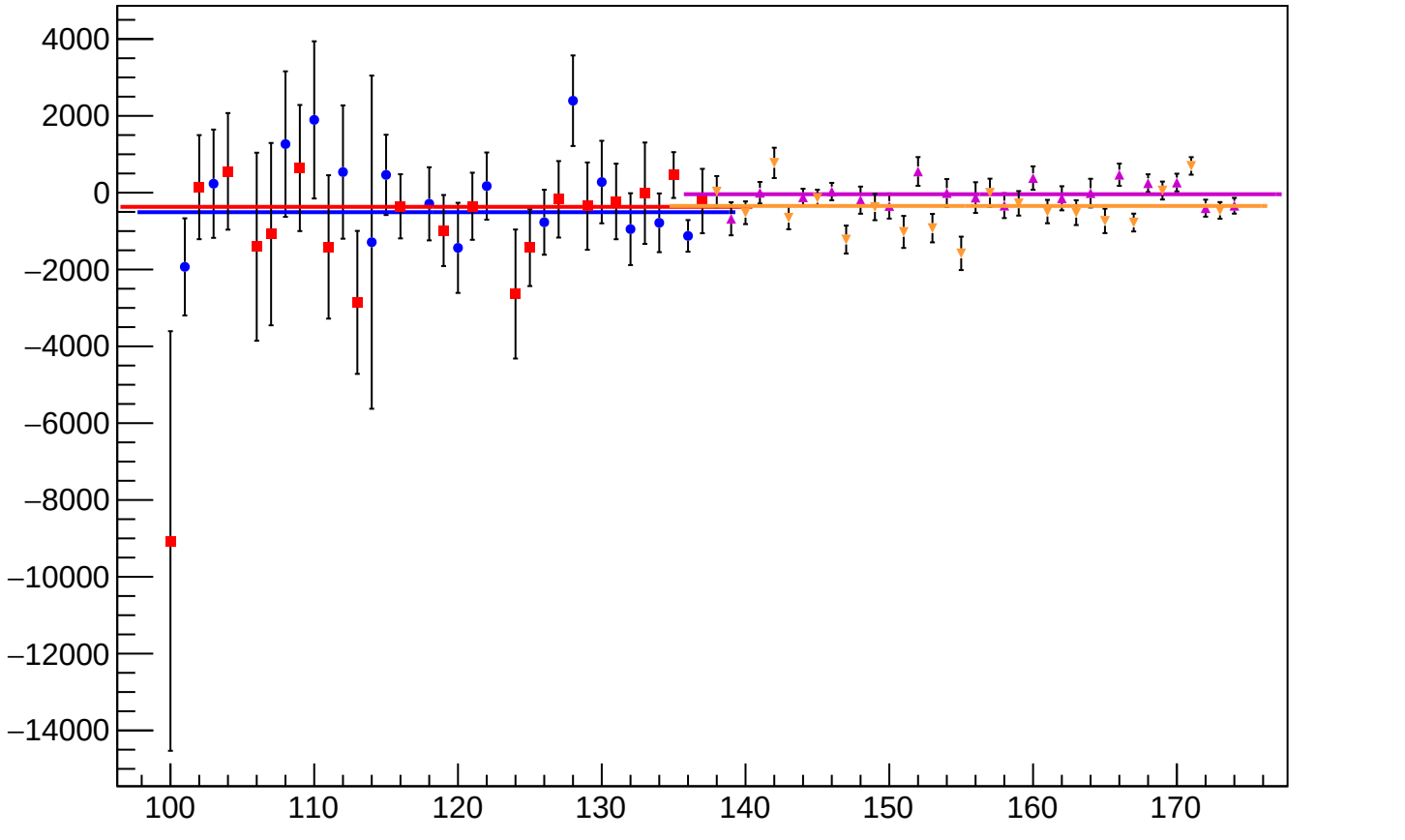
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.786+/-0.009 χ^2/NDF:216189.3/17

+ sign 50.008+/-0.008 χ^2/NDF: 2499823.6/34

All: 50.264+/-0.006 χ^2/NDF: 5450472.9/71

- 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: -345.238+/-67.965 χ^2/NDF:60.6/18

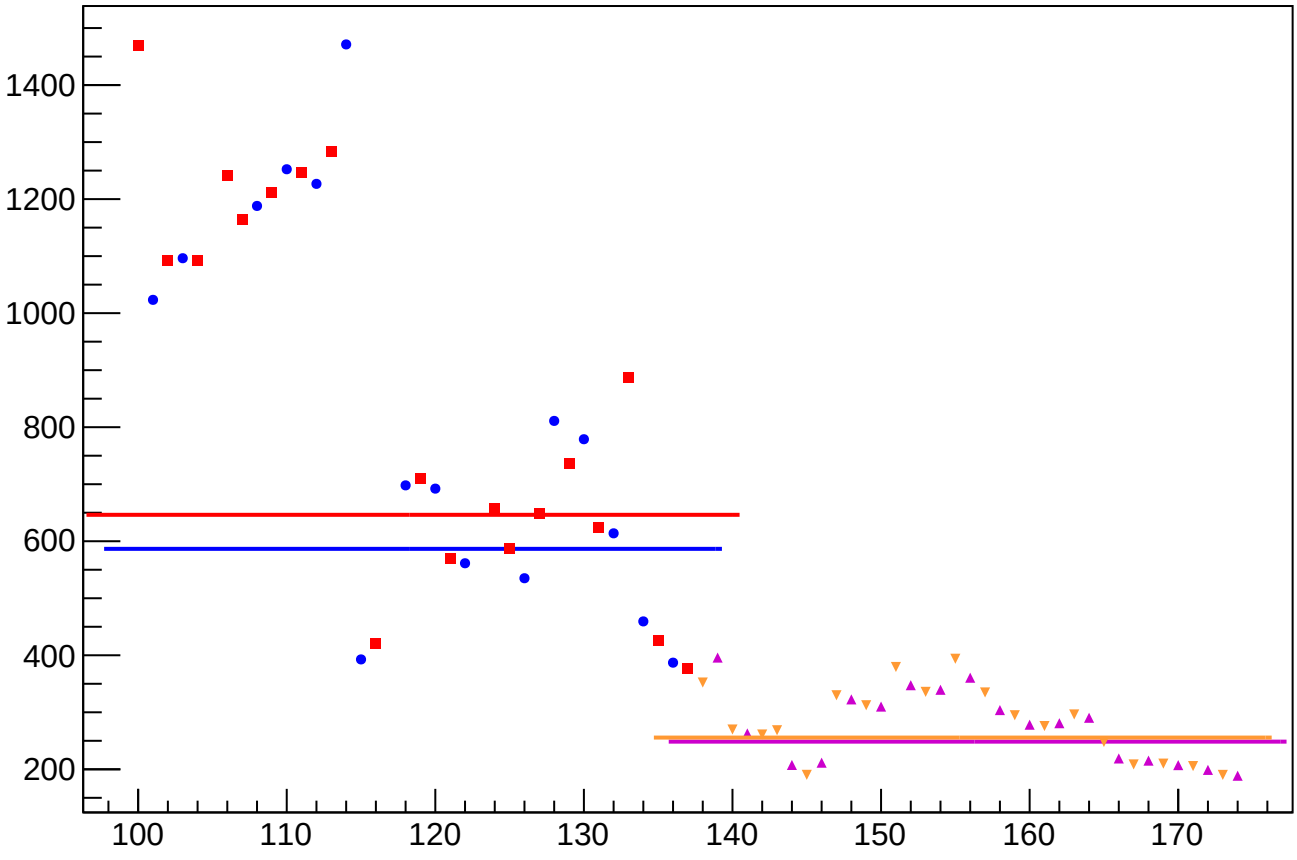
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -39.942+/-66.363 χ^2/NDF:20.1/17

+ sign -357.605+/-65.331 χ^2/NDF: 76.7/34

All: -206.590+/-45.808 χ^2/NDF: 120.1/71

- 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: 255.663+/-0.048 χ^2/NDF:1523542.0/18

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

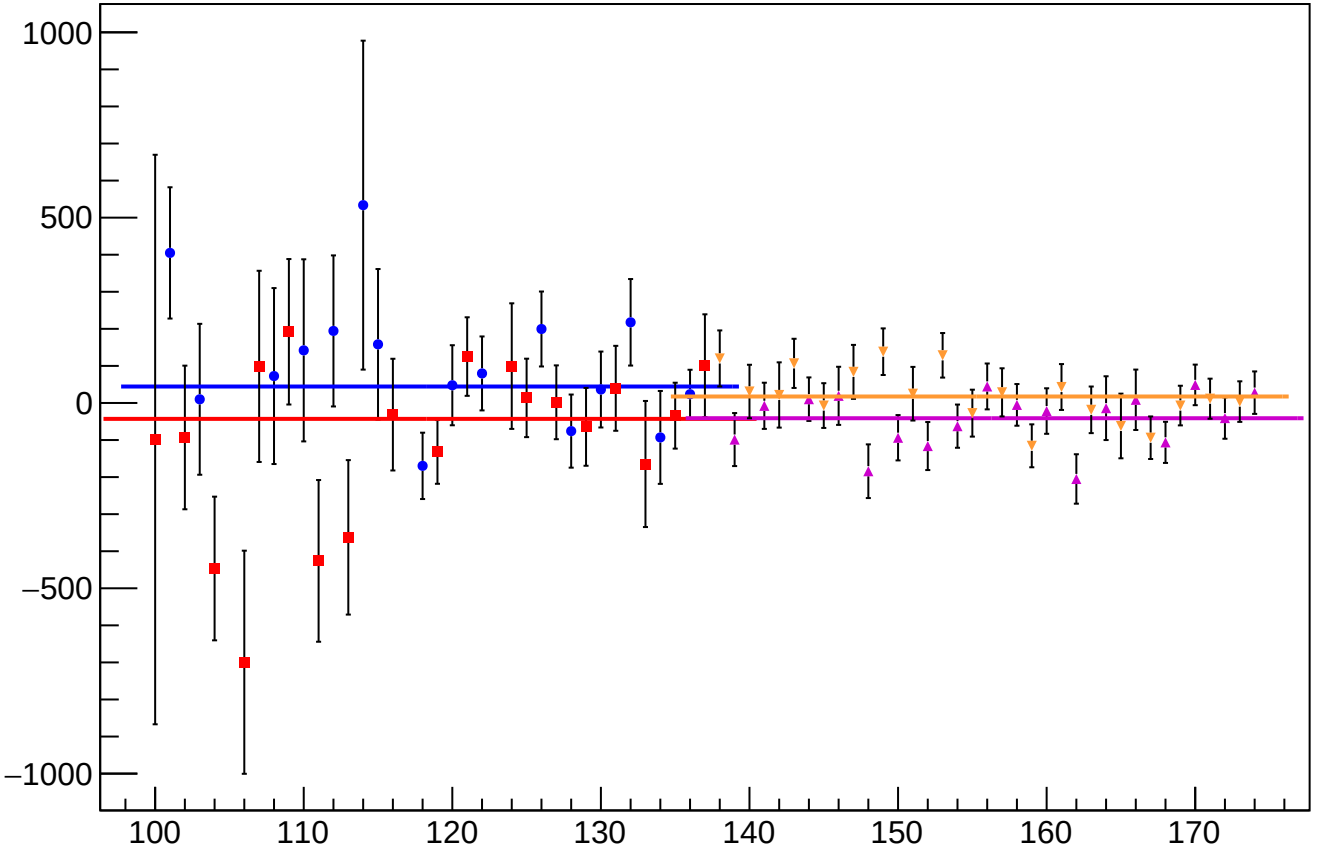
Left In: 248.525+/-0.047 χ^2/NDF:1459857.6/17

+ sign 280.825+/-0.046 χ^2/NDF: 7182533.7/34

All: 277.089+/-0.032 χ^2/NDF: 15226036.4/71

- 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: 17.462+/-14.639 χ^2/NDF:23.0/18

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

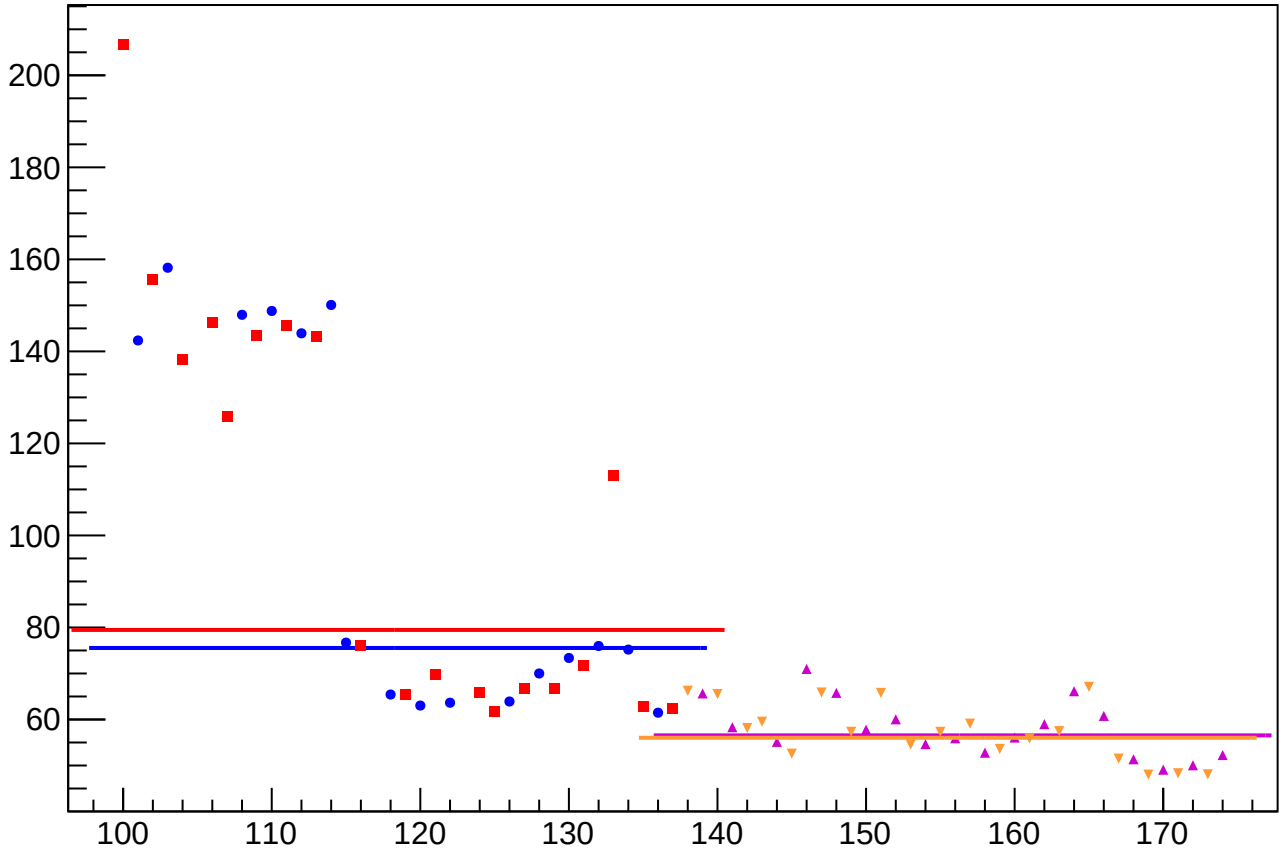
Left In: -41.182+/-14.852 χ^2/NDF:22.9/17

+ sign 22.665+/-13.148 χ^2/NDF: 43.3/34

All: -8.775+/-9.390 χ^2/NDF: 101.1/71

- 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: 56.029+/-0.010 χ^2/NDF:341542.4/18

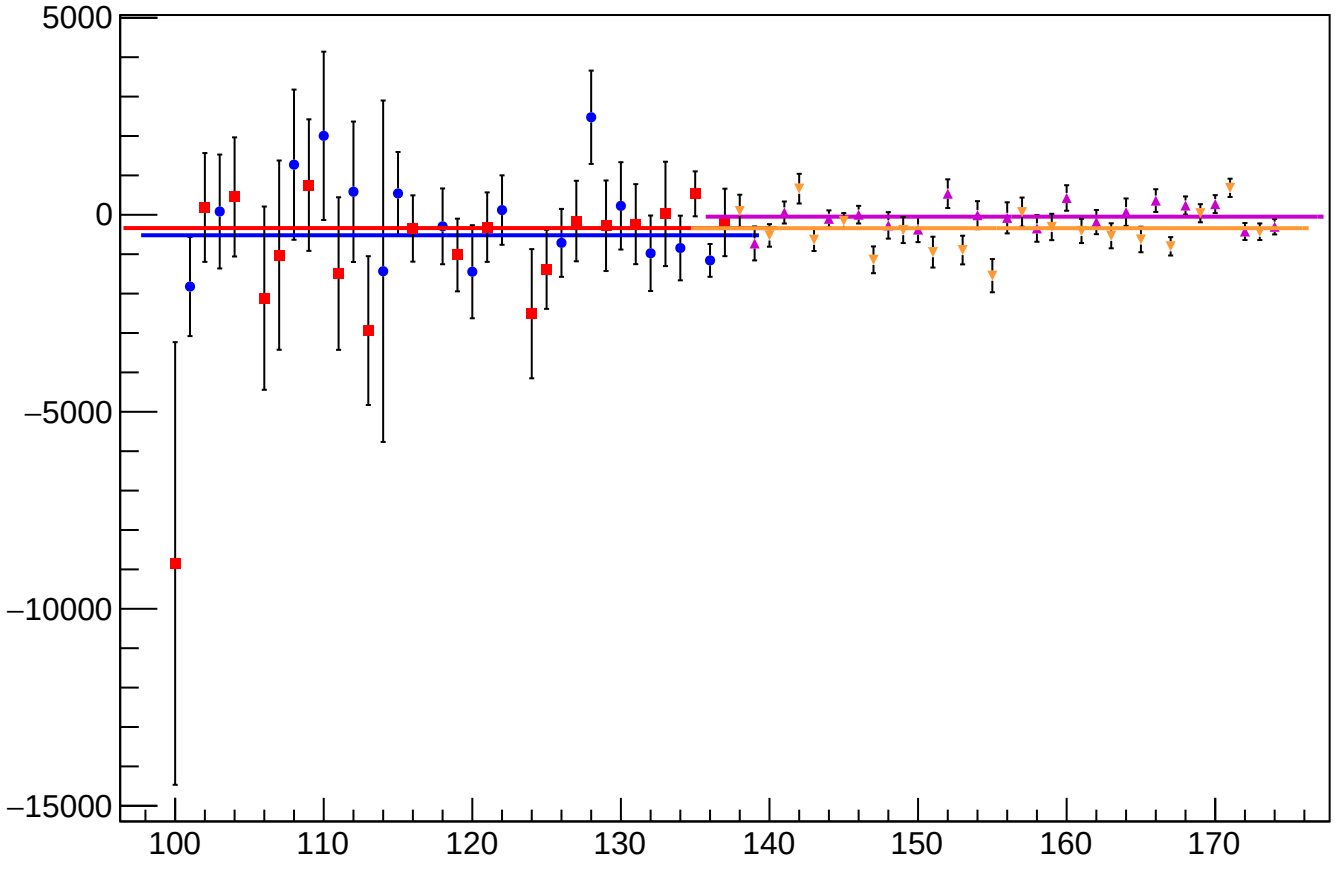
Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 56.546+/-0.011 χ^2/NDF:279497.1/17

+ sign 59.801+/-0.009 χ^2/NDF: 2494041.5/34

All: 60.275+/-0.007 χ^2/NDF: 5340167.4/71

- sign 60.769+/-0.009 χ^2/NDF: 2840805.6/36



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -339.800+/-66.572 χ^2/NDF:57.9/18

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

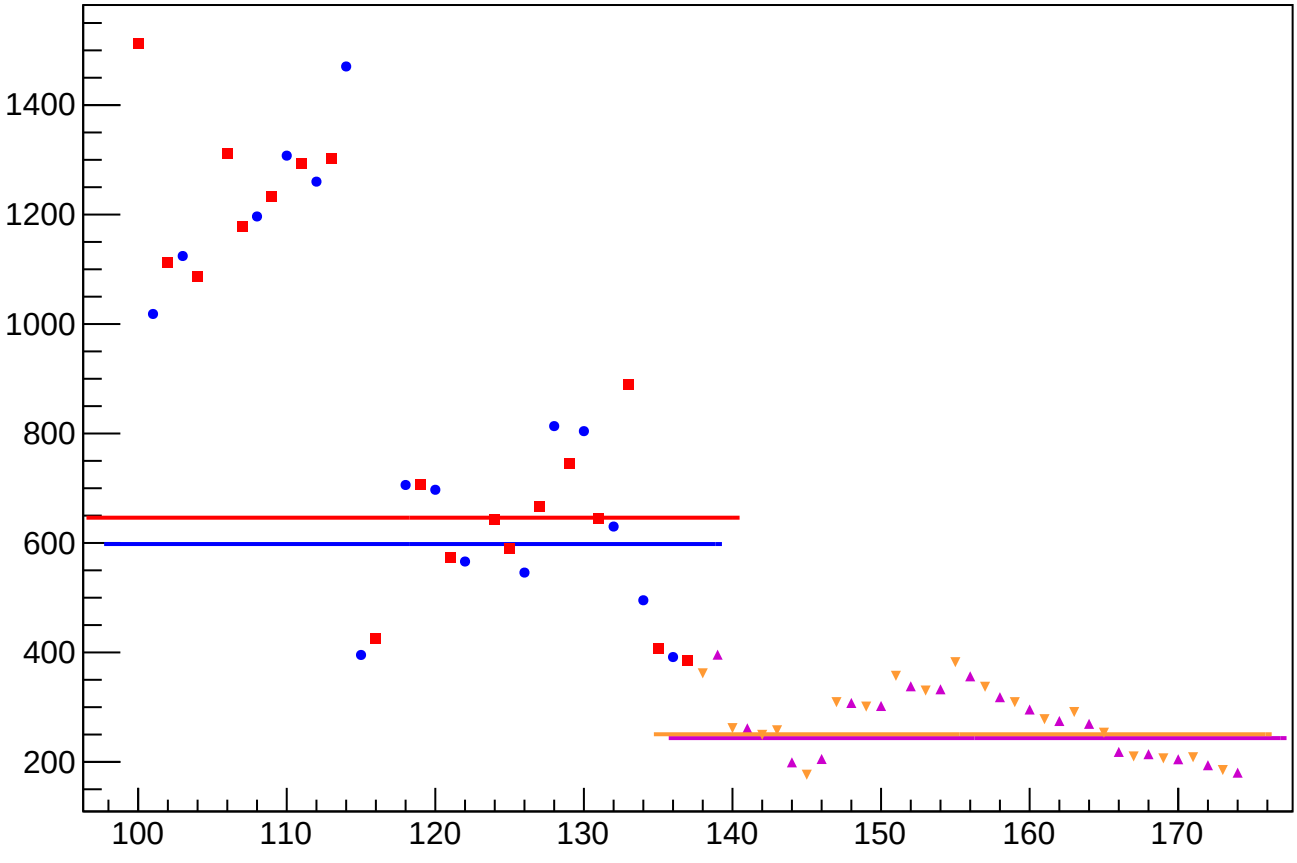
Left In: -47.646+/-65.170 χ^2/NDF:20.2/17

+ sign -352.491+/-64.175 χ^2/NDF: 74.2/34

All: -206.546+/-45.017 χ^2/NDF: 117.7/71

- 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: 250.517+/-0.047 χ^2/NDF:1592137.9/18

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

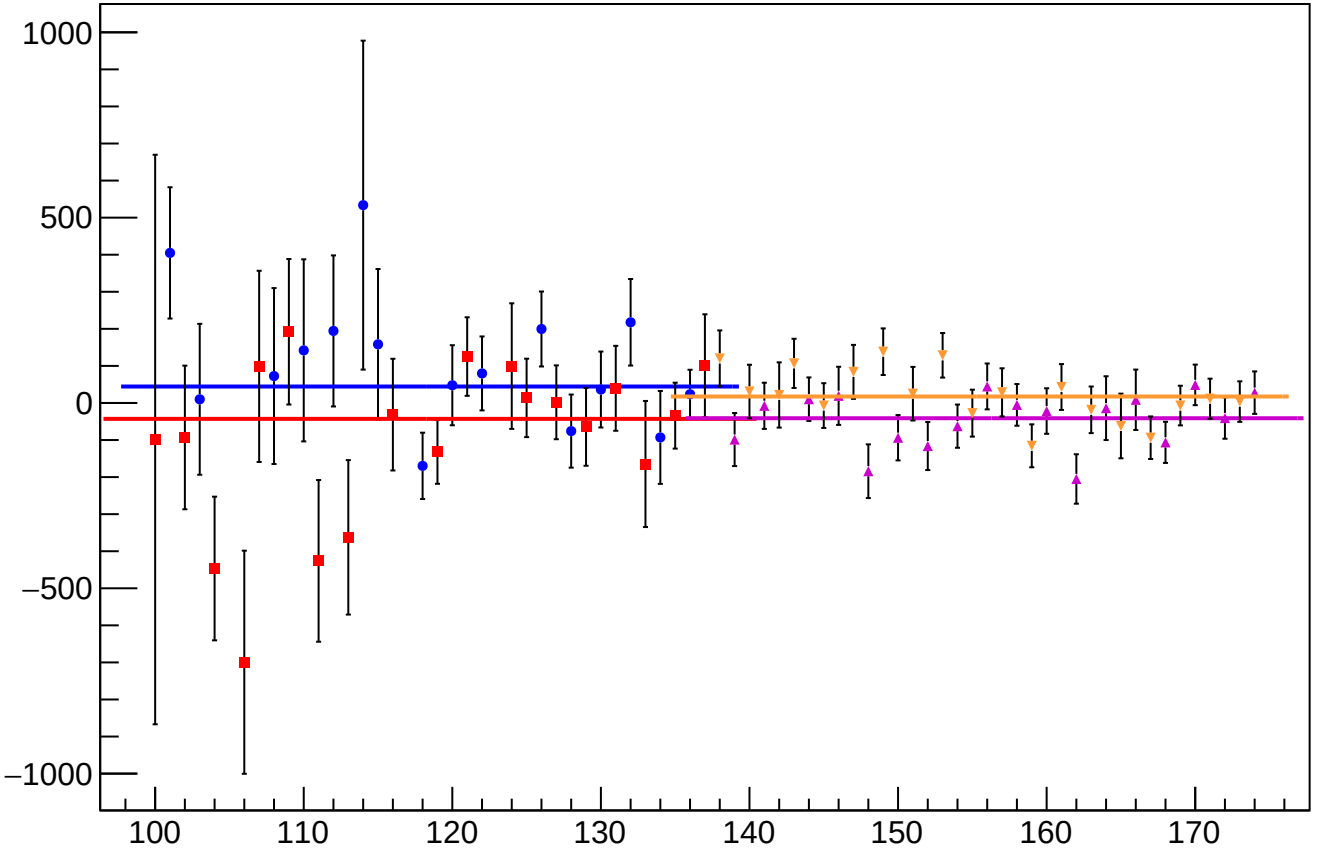
Left In: 243.485+/-0.046 χ^2/NDF:1567829.7/17

+ sign 275.095+/-0.045 χ^2/NDF: 7494557.4/34

All: 271.432+/-0.032 χ^2/NDF: 15907514.1/71

- 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: 17.461+/-14.639 χ^2/NDF:23.0/18

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

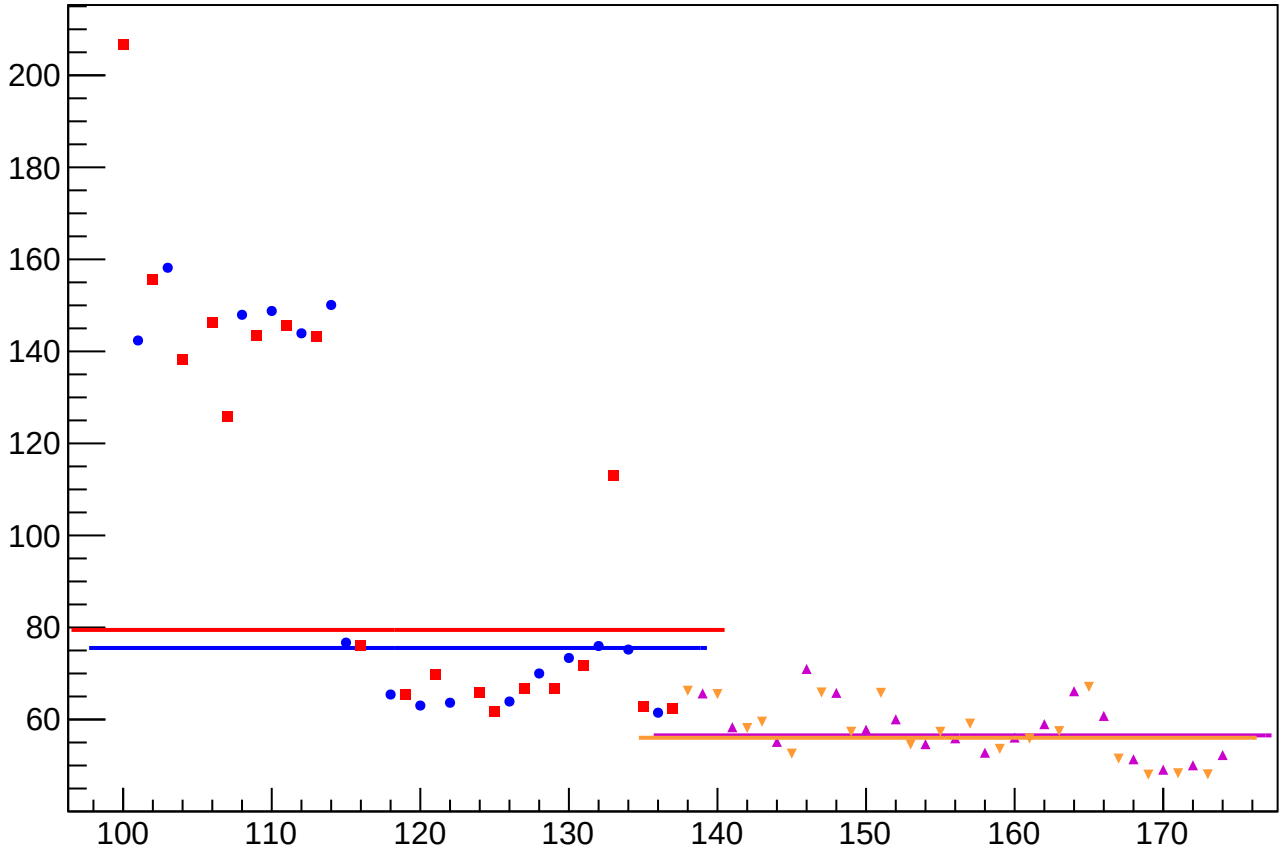
Left In: -41.182+/-14.852 χ^2/NDF:22.9/17

+ sign 22.665+/-13.148 χ^2/NDF: 43.3/34

All: -8.775+/-9.390 χ^2/NDF: 101.1/71

- 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: 56.029+/-0.010 χ^2/NDF:341544.6/18

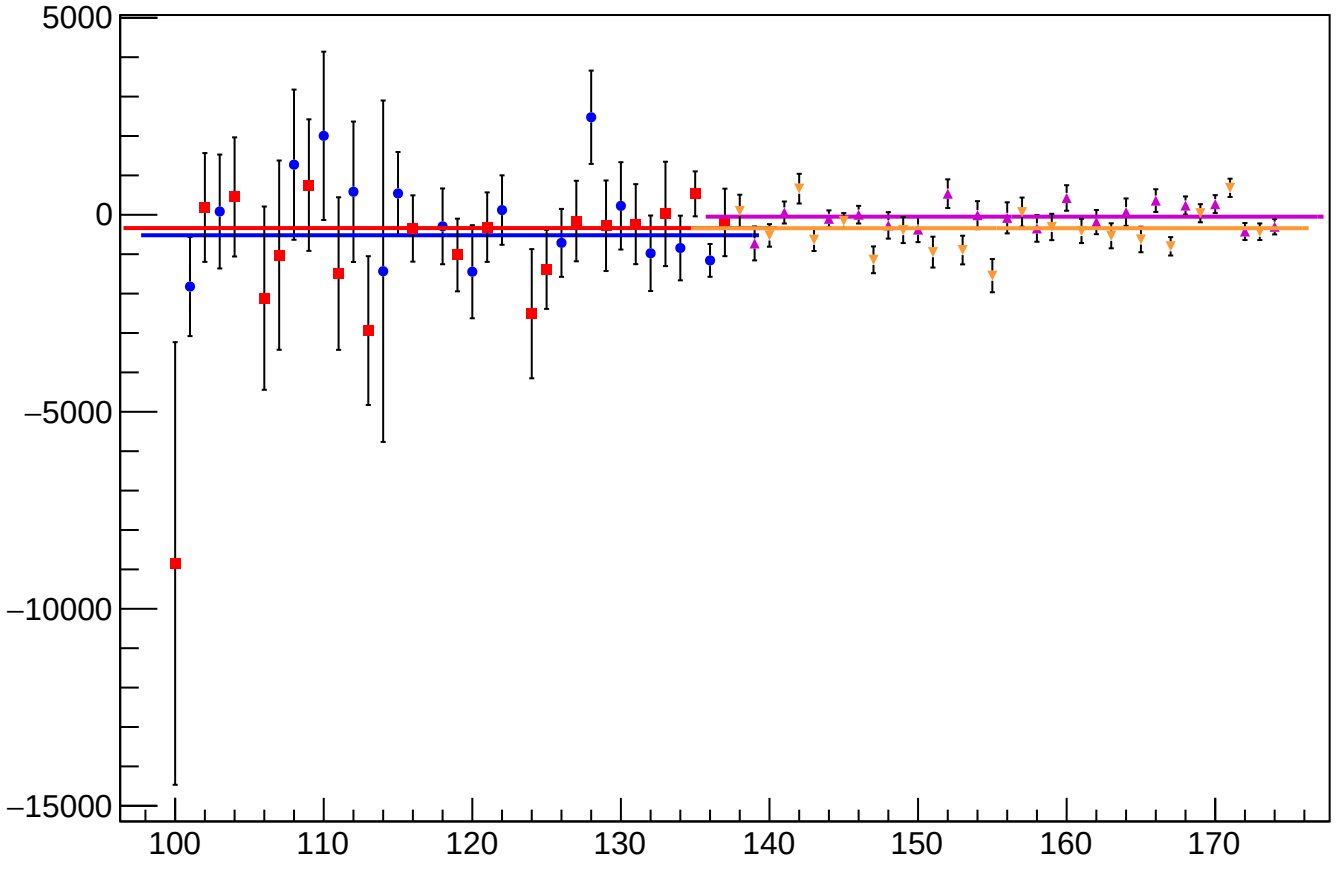
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 56.546+/-0.011 χ^2/NDF:279498.2/17

+ sign 59.801+/-0.009 χ^2/NDF: 2494005.0/34

All: 60.275+/-0.007 χ^2/NDF: 5340094.1/71

- 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: -339.798+/-66.572 χ^2/NDF:57.9/18

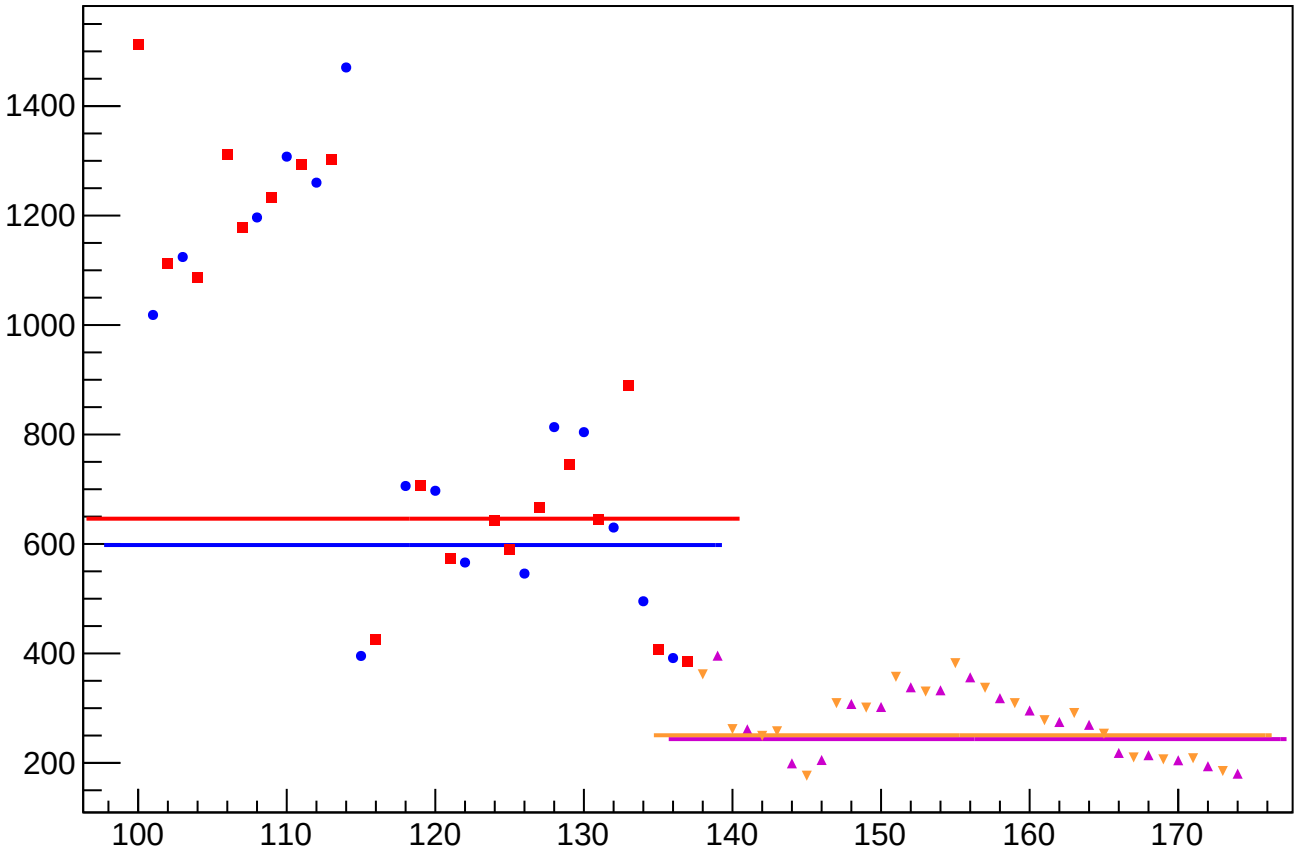
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -47.645+/-65.170 χ^2/NDF:20.2/17

+ sign -352.490+/-64.175 χ^2/NDF: 74.2/34

All: -206.545+/-45.017 χ^2/NDF: 117.7/71

- 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: 250.516+/-0.047 χ^2/NDF:1592140.2/18

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

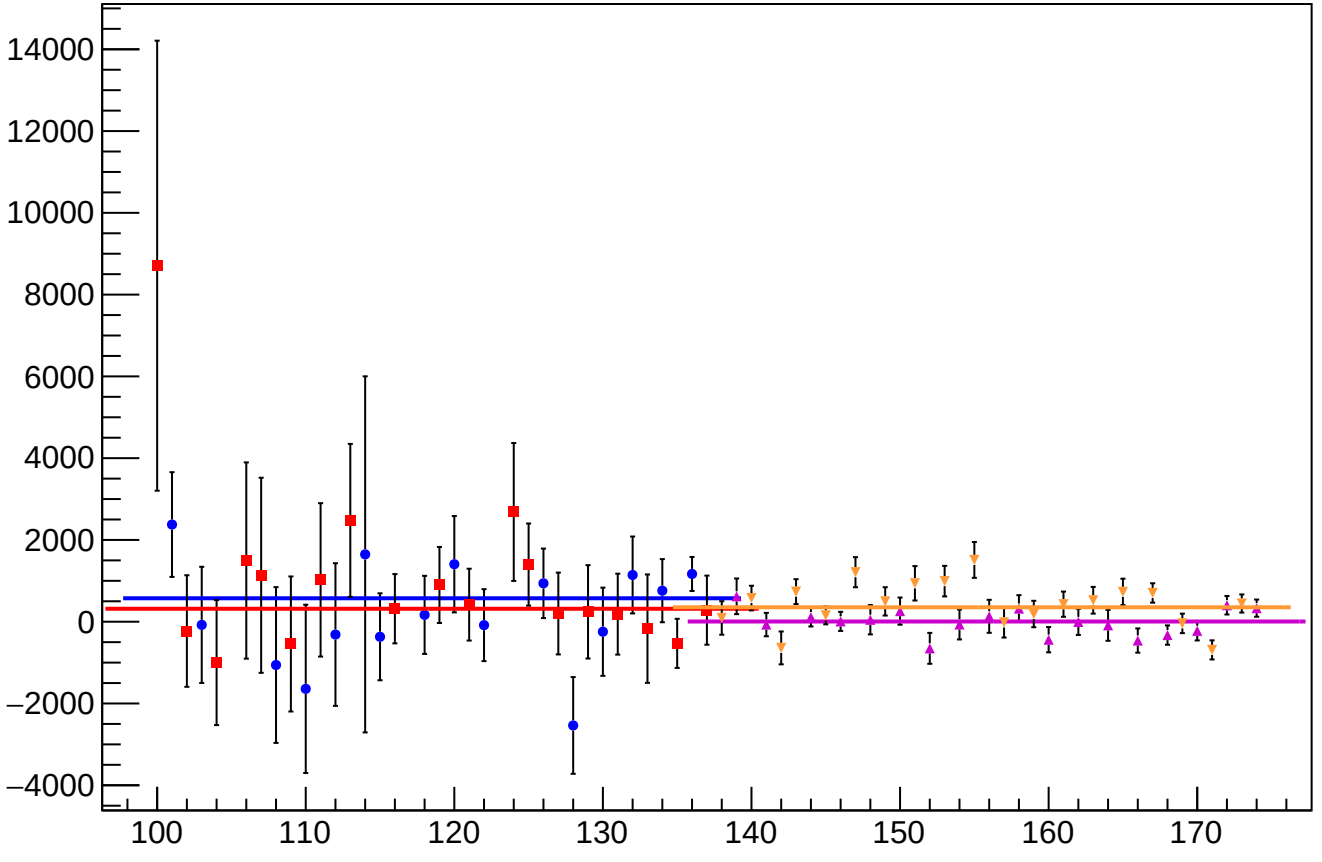
Left In: 243.485+/-0.046 χ^2/NDF:1567821.5/17

+ sign 275.094+/-0.045 χ^2/NDF: 7494551.6/34

All: 271.432+/-0.032 χ^2/NDF: 15907489.0/71

- 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: 353.295+/-69.190 χ^2/NDF:54.9/18

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

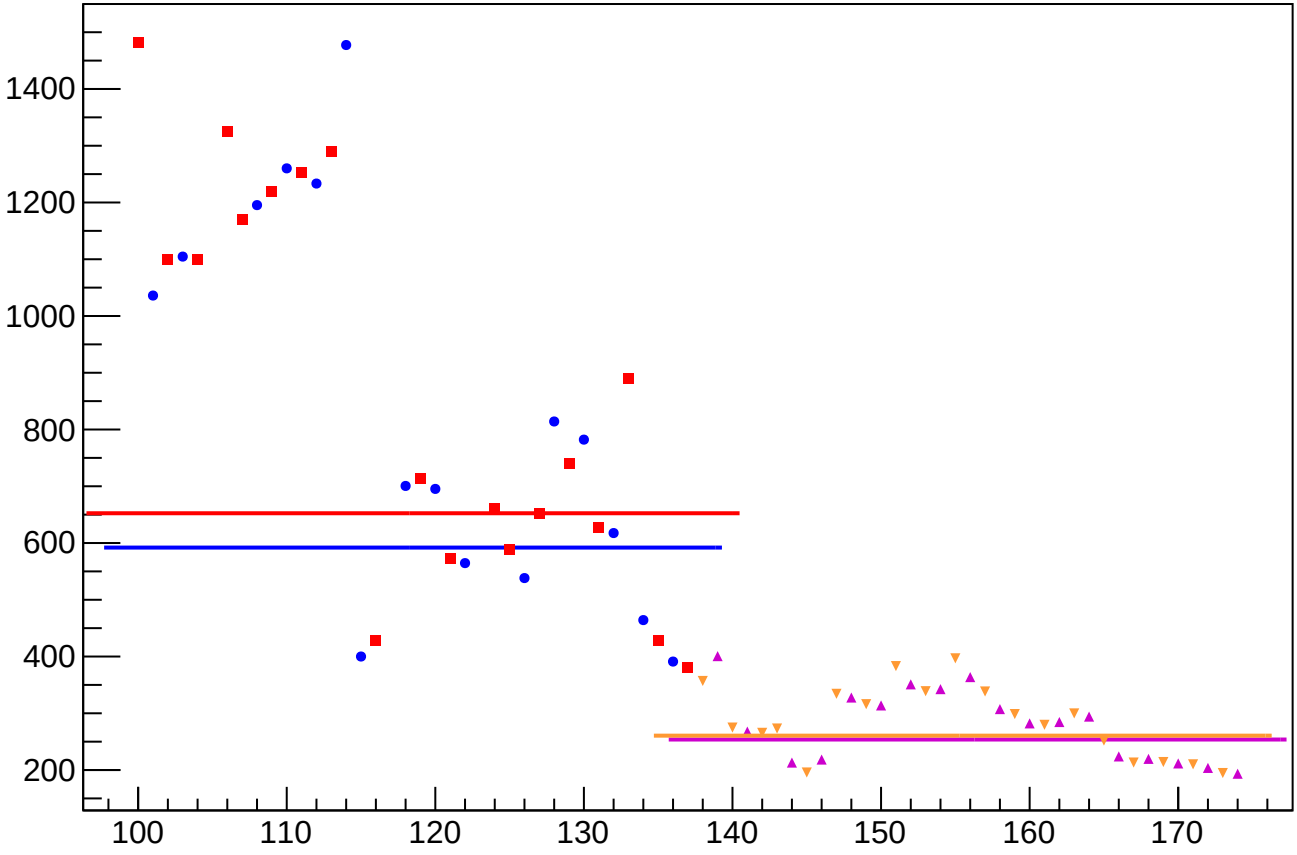
Left In: 5.280+/-67.671 χ^2/NDF:20.0/17

+ sign 370.324+/-66.459 χ^2/NDF: 72.3/34

All: 195.200+/-46.637 χ^2/NDF: 118.3/71

- 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: 260.590+/-0.049 χ^2/NDF:1456280.2/18

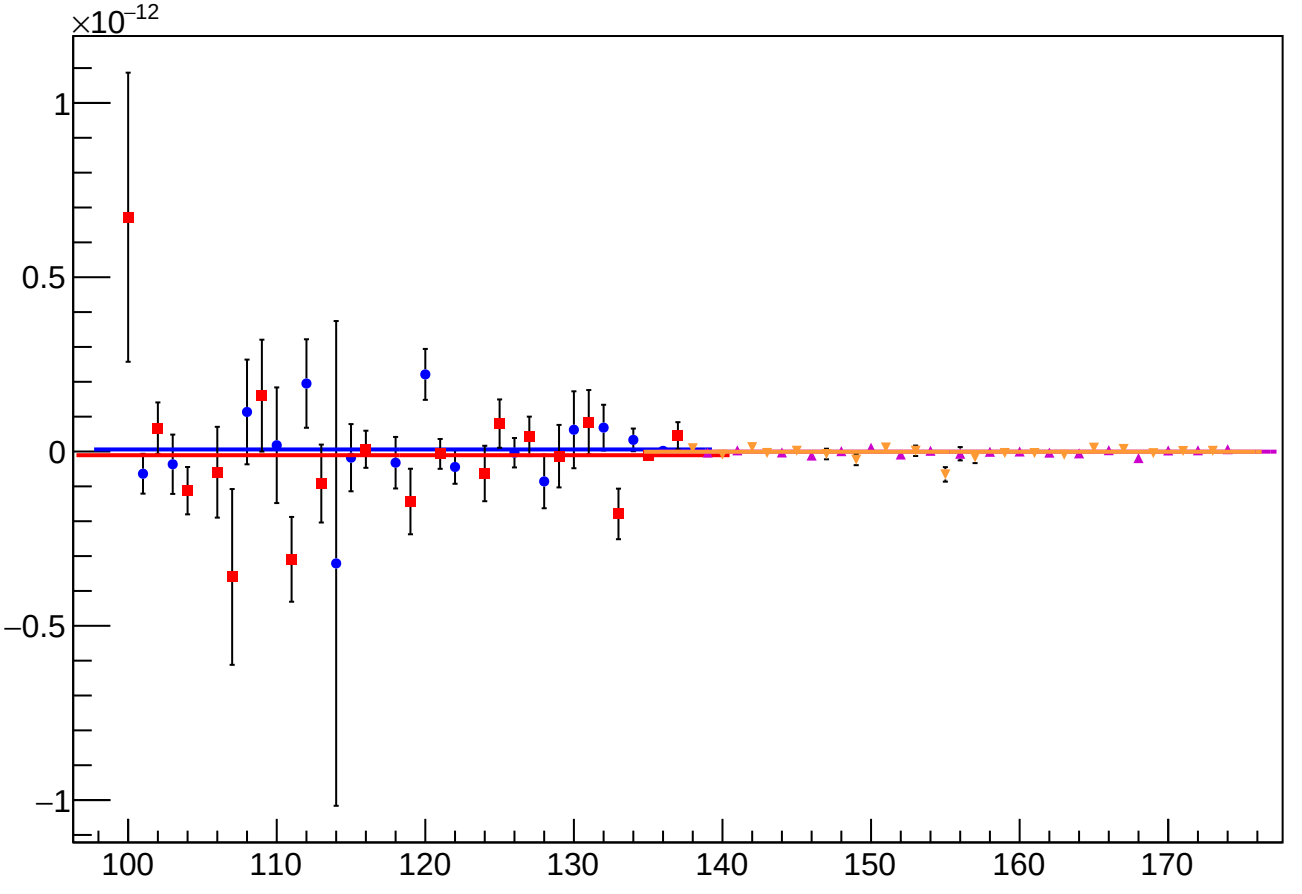
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 253.764+/-0.048 χ^2/NDF:1388610.5/17

+ sign 286.231+/-0.047 χ^2/NDF: 7041815.9/34

All: 282.755+/-0.033 χ^2/NDF: 14992125.6/71

- 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:21.8/18

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

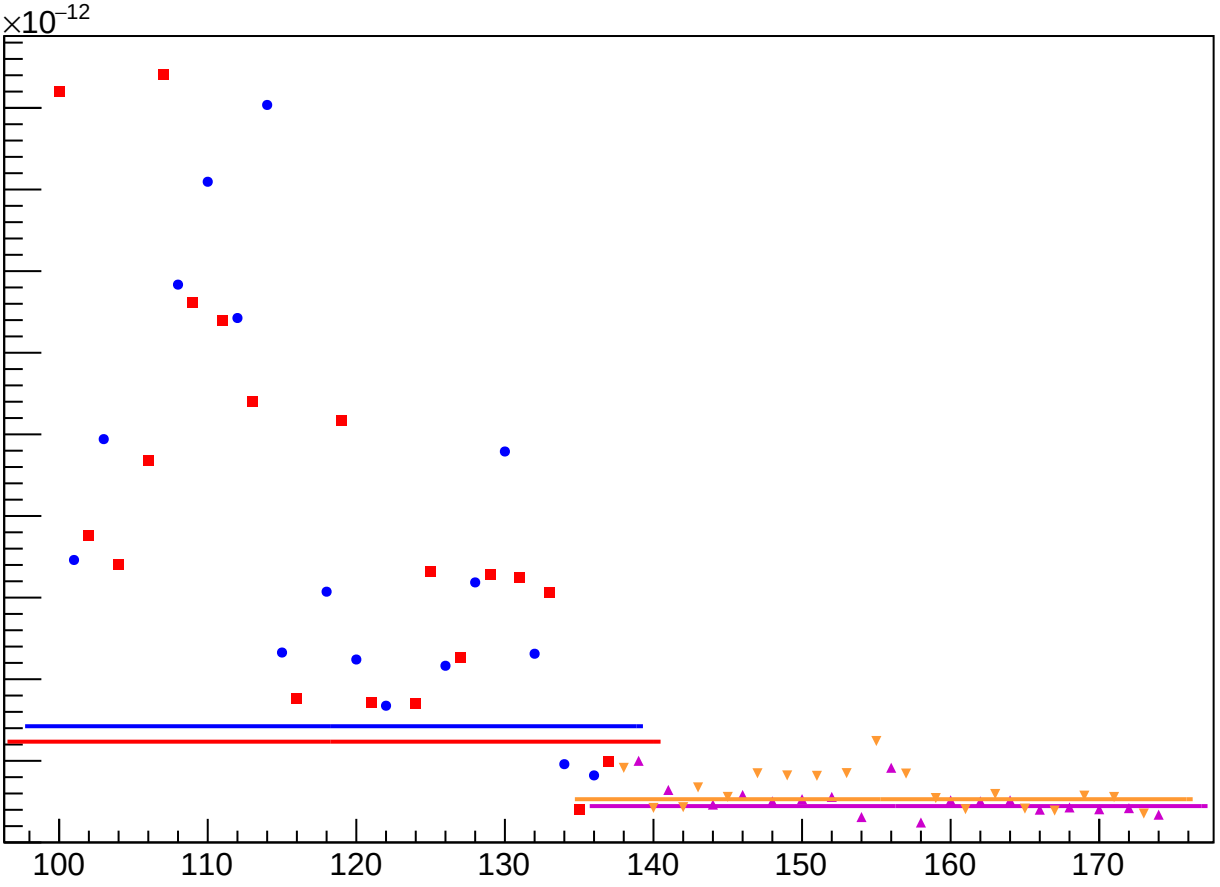
Left In: -0.000+/-0.000 χ^2/NDF:11.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 40.4/34

All: -0.000+/-0.000 χ^2/NDF: 82.1/71

- 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:1215797.4/18

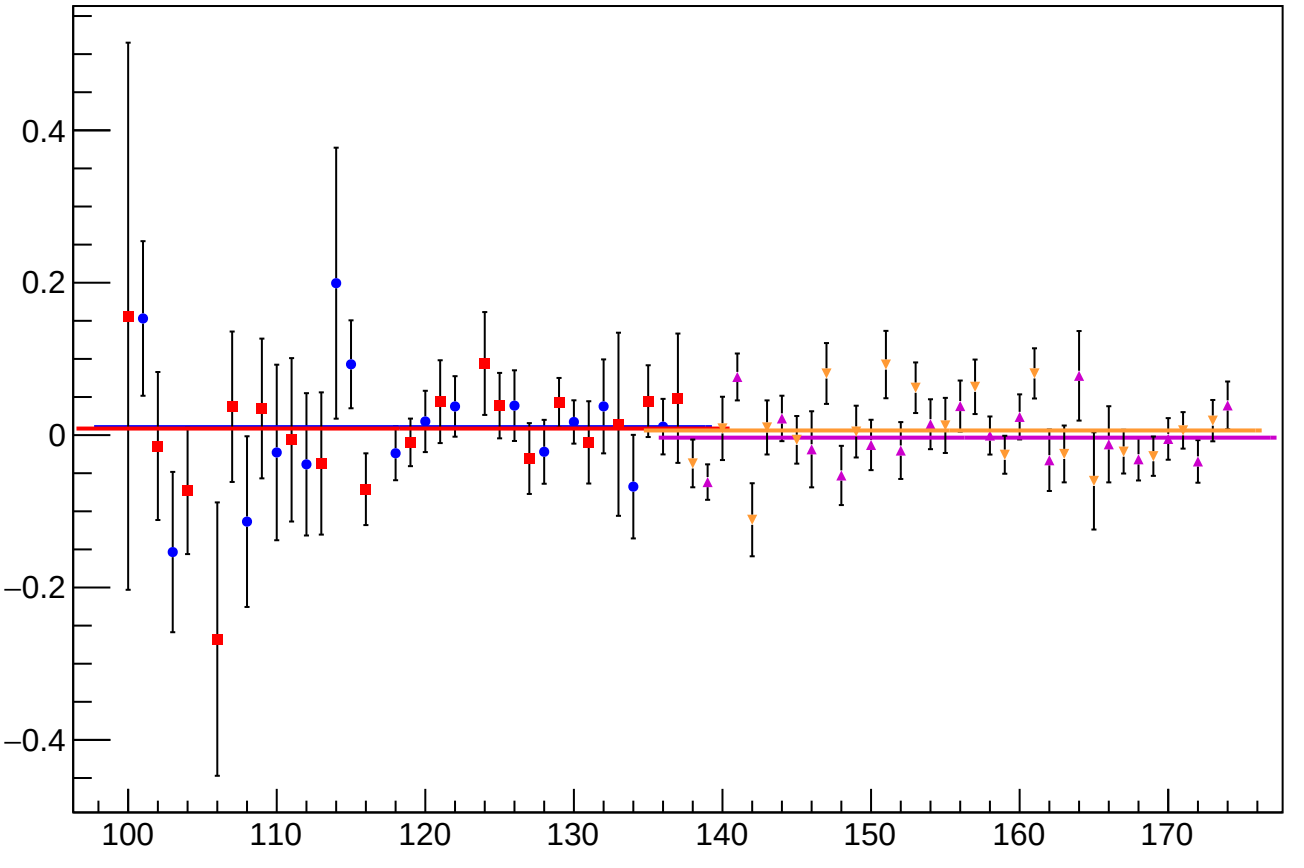
Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:885090.4/17

+ sign 0.000+/-0.000 χ^2/NDF: 5087940.7/34

All: 0.000+/-0.000 χ^2/NDF: 10721801.0/71

- sign 0.000+/-0.000 χ^2/NDF: 5436892.4/36



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.008 χ^2/NDF:32.3/18

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

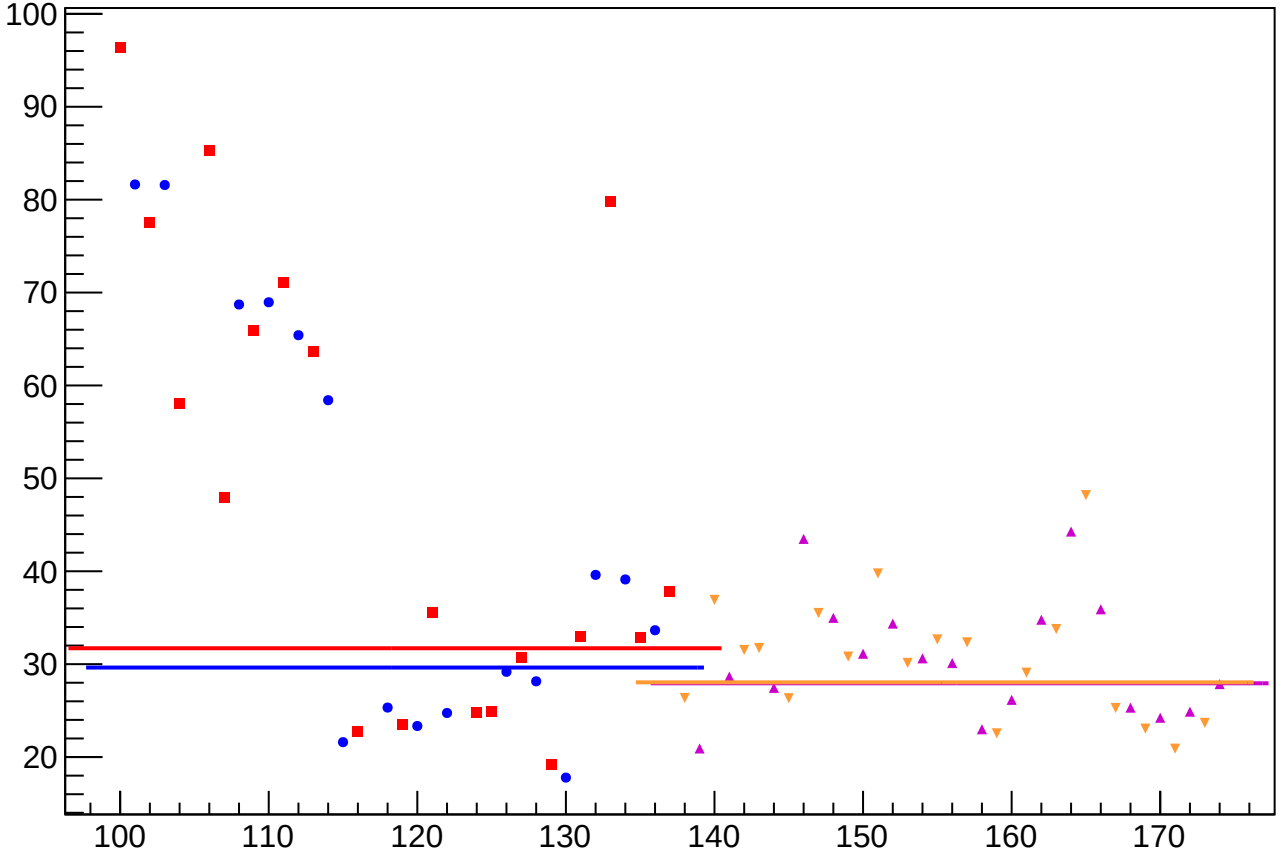
Left In: -0.003+/-0.008 χ^2/NDF:25.0/17

+ sign 0.007+/-0.006 χ^2/NDF: 45.5/34

All: 0.003+/-0.005 χ^2/NDF: 84.2/71

- 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: 28.042+/-0.005 χ^2/NDF:1096928.6/18

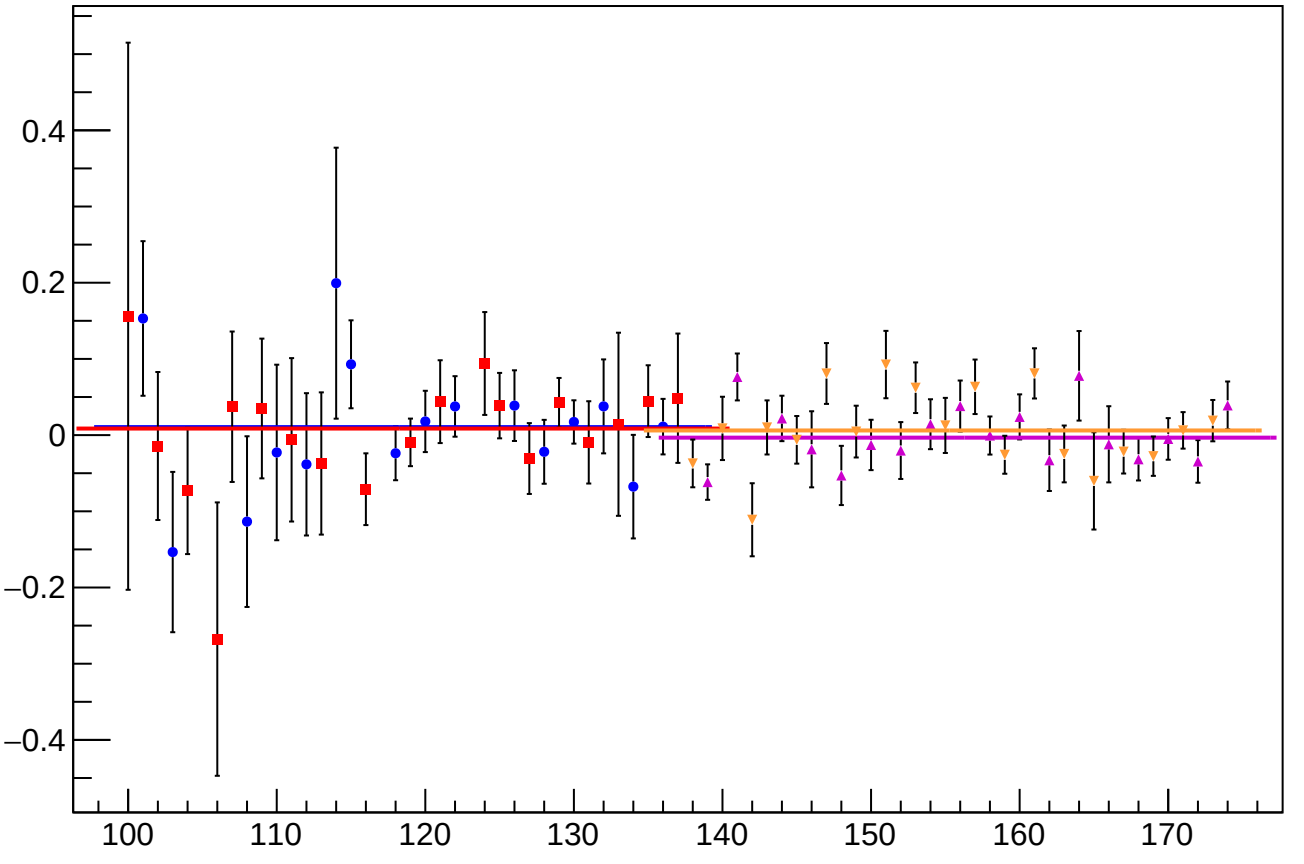
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.939+/-0.005 χ^2/NDF:969676.6/17

+ sign 28.463+/-0.005 χ^2/NDF: 3569057.9/34

All: 28.661+/-0.003 χ^2/NDF: 7316540.1/71

- 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+/-0.008 χ^2/NDF:32.3/18

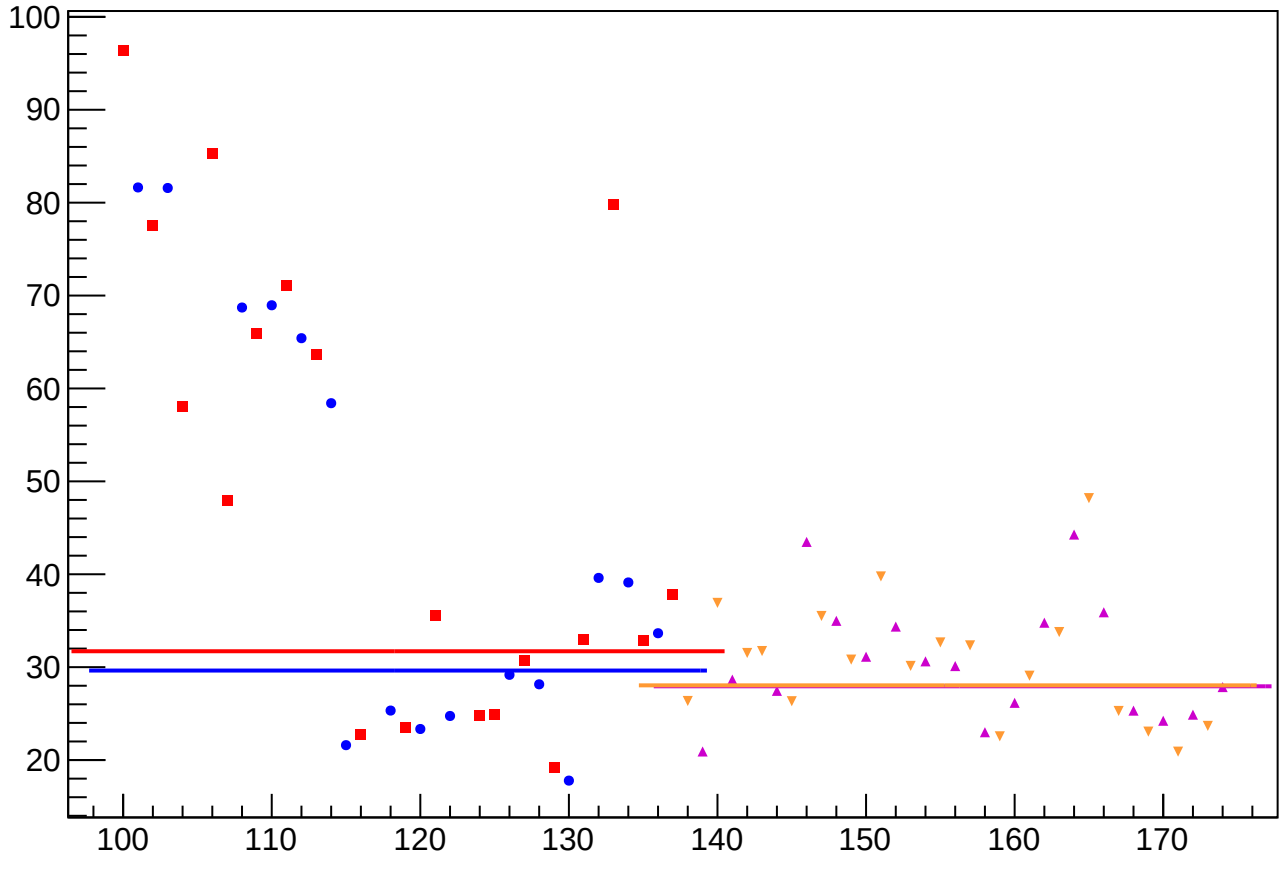
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.008 χ^2/NDF:25.0/17

+ sign 0.007+/-0.006 χ^2/NDF: 45.5/34

All: 0.003+/-0.005 χ^2/NDF: 84.2/71

- 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: 28.042+/-0.005 χ^2/NDF:1096928.6/18

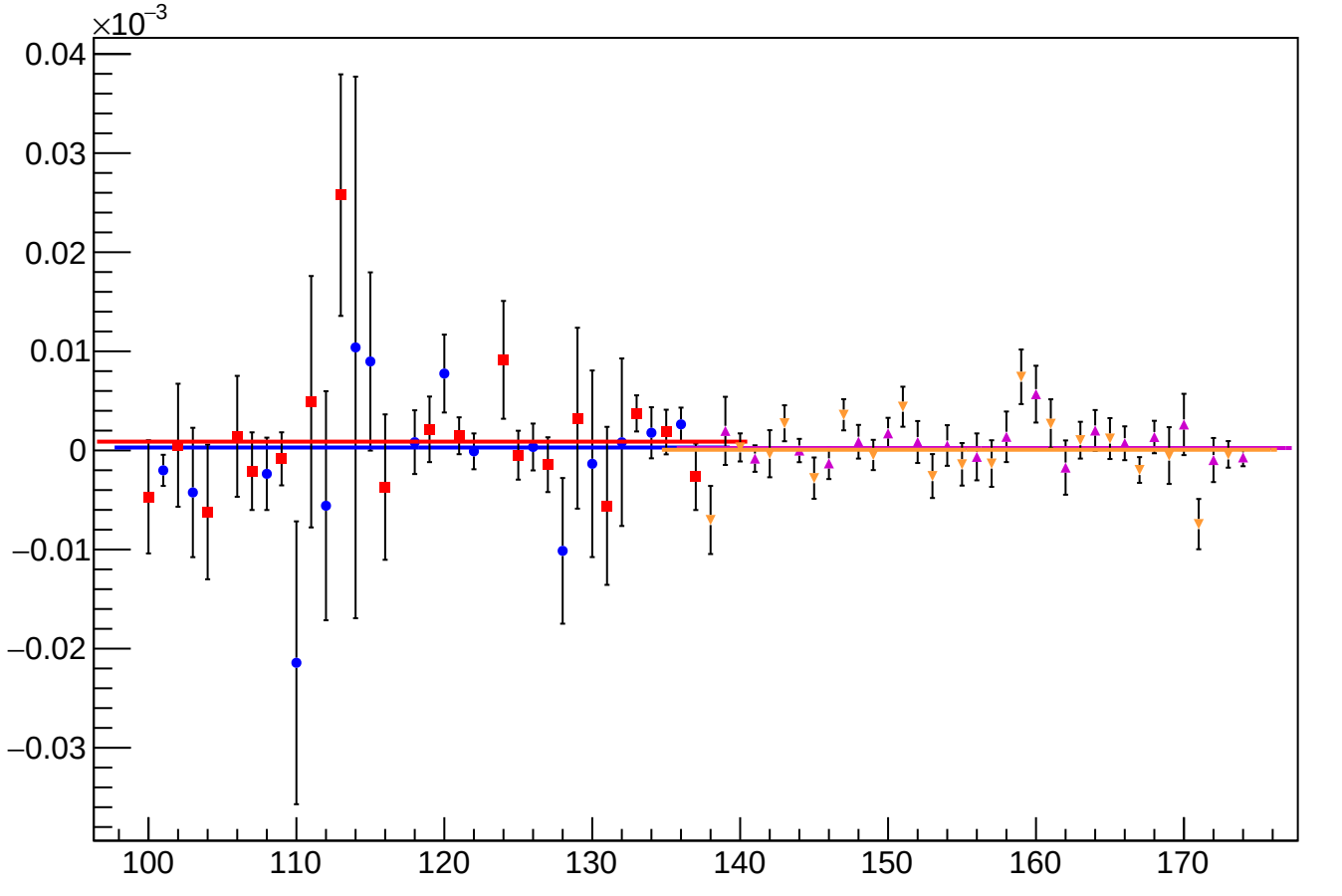
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.939+/-0.005 χ^2/NDF:969676.6/17

+ sign 28.463+/-0.005 χ^2/NDF: 3569057.9/34

All: 28.661+/-0.003 χ^2/NDF: 7316540.1/71

- 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:40.6/18

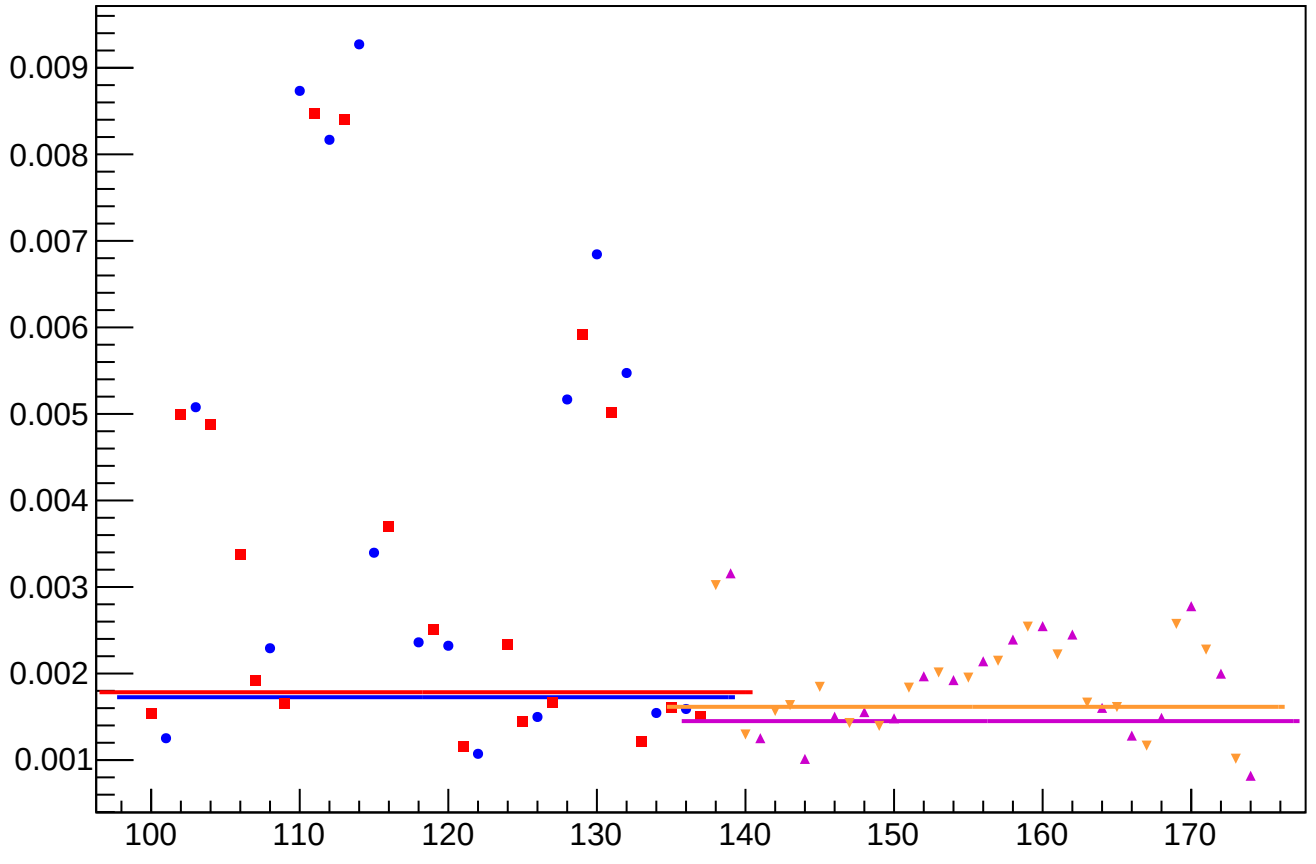
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 55.5/34

All: 0.000+/-0.000 χ^2/NDF: 82.4/71

- sign 0.000+/-0.000 χ^2/NDF: 26.7/36



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2118783.9/18

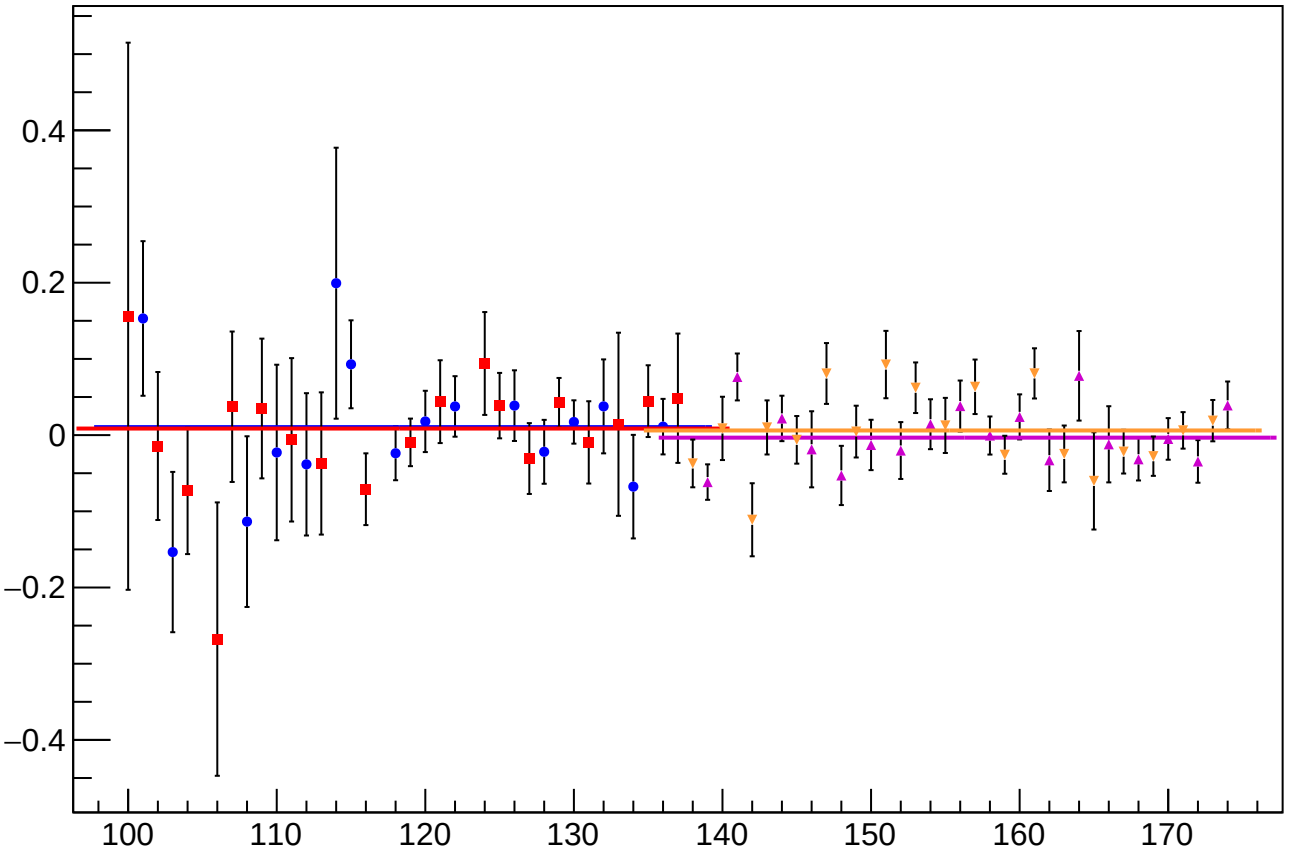
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:3580872.9/17

+ sign 0.002+/-0.000 χ^2/NDF: 6082946.0/34

All: 0.002+/-0.000 χ^2/NDF: 13780873.9/71

- sign 0.002+/-0.000 χ^2/NDF: 7590386.3/36



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.008 χ^2/NDF:32.3/18

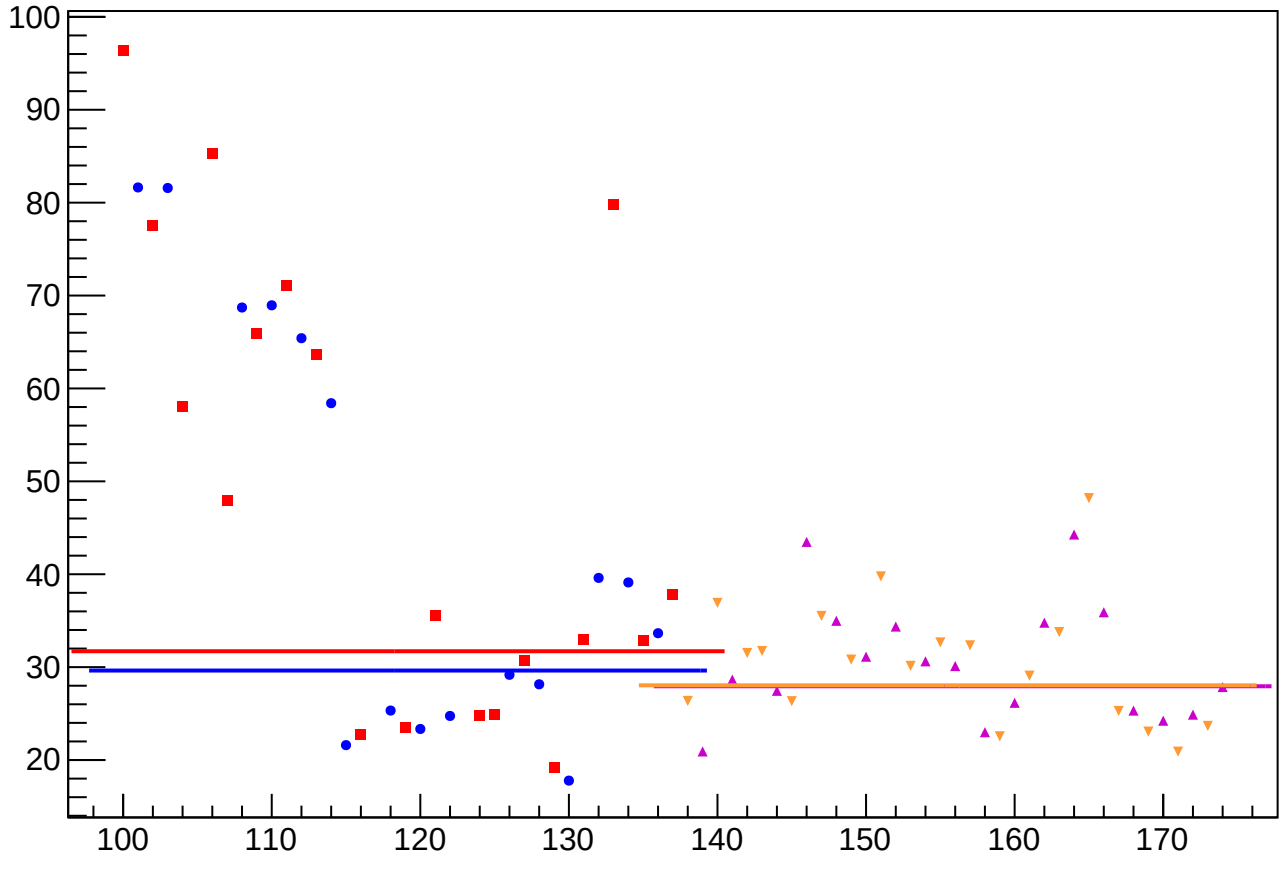
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.008 χ^2/NDF:25.0/17

+ sign 0.007+/-0.006 χ^2/NDF: 45.5/34

All: 0.003+/-0.005 χ^2/NDF: 84.2/71

- 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: 28.042+/-0.005 χ^2/NDF:1096965.9/18

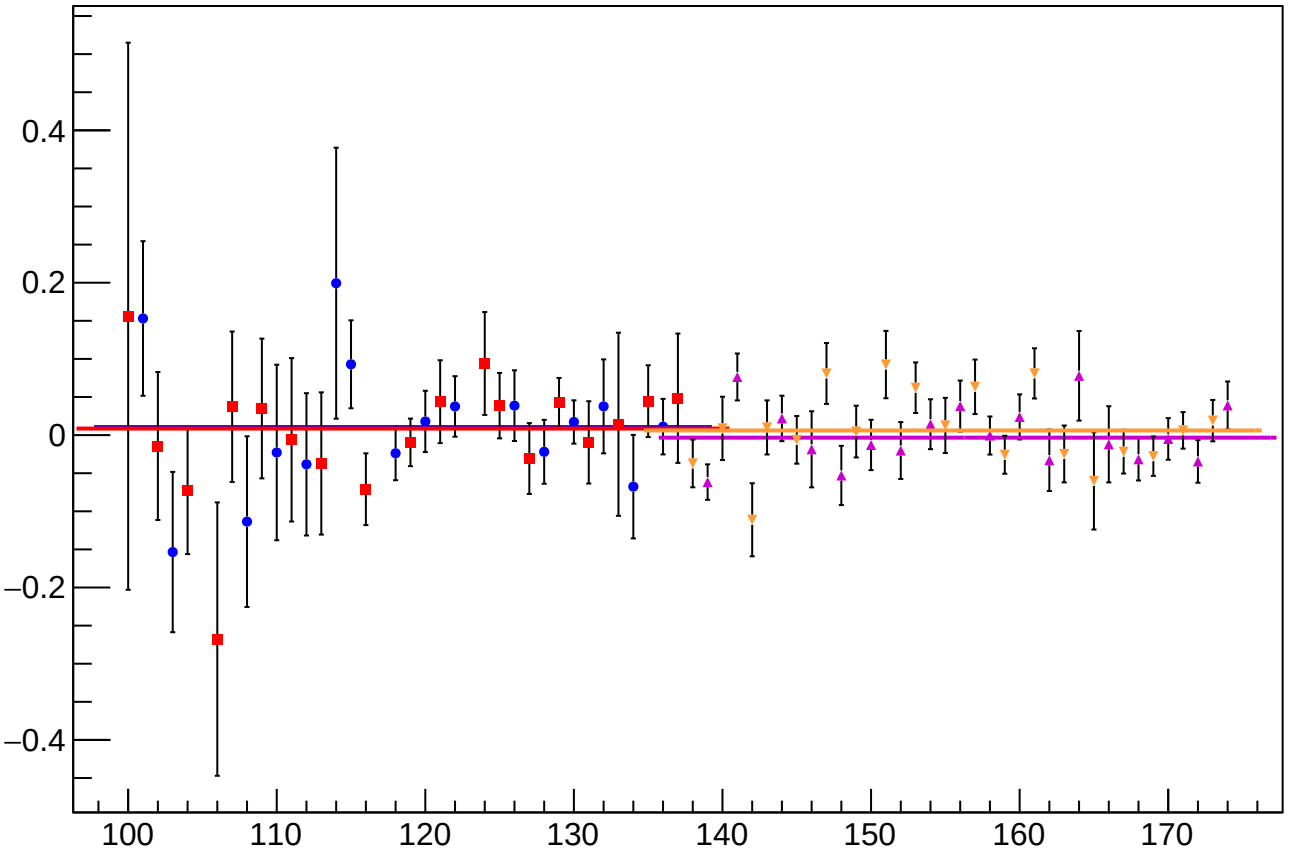
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.940+/-0.005 χ^2/NDF:969685.2/17

+ sign 28.463+/-0.005 χ^2/NDF: 3569256.5/34

All: 28.661+/-0.003 χ^2/NDF: 7316816.8/71

- sign 28.866+/-0.005 χ^2/NDF: 3743736.5/36



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.008 χ^2/NDF:32.3/18

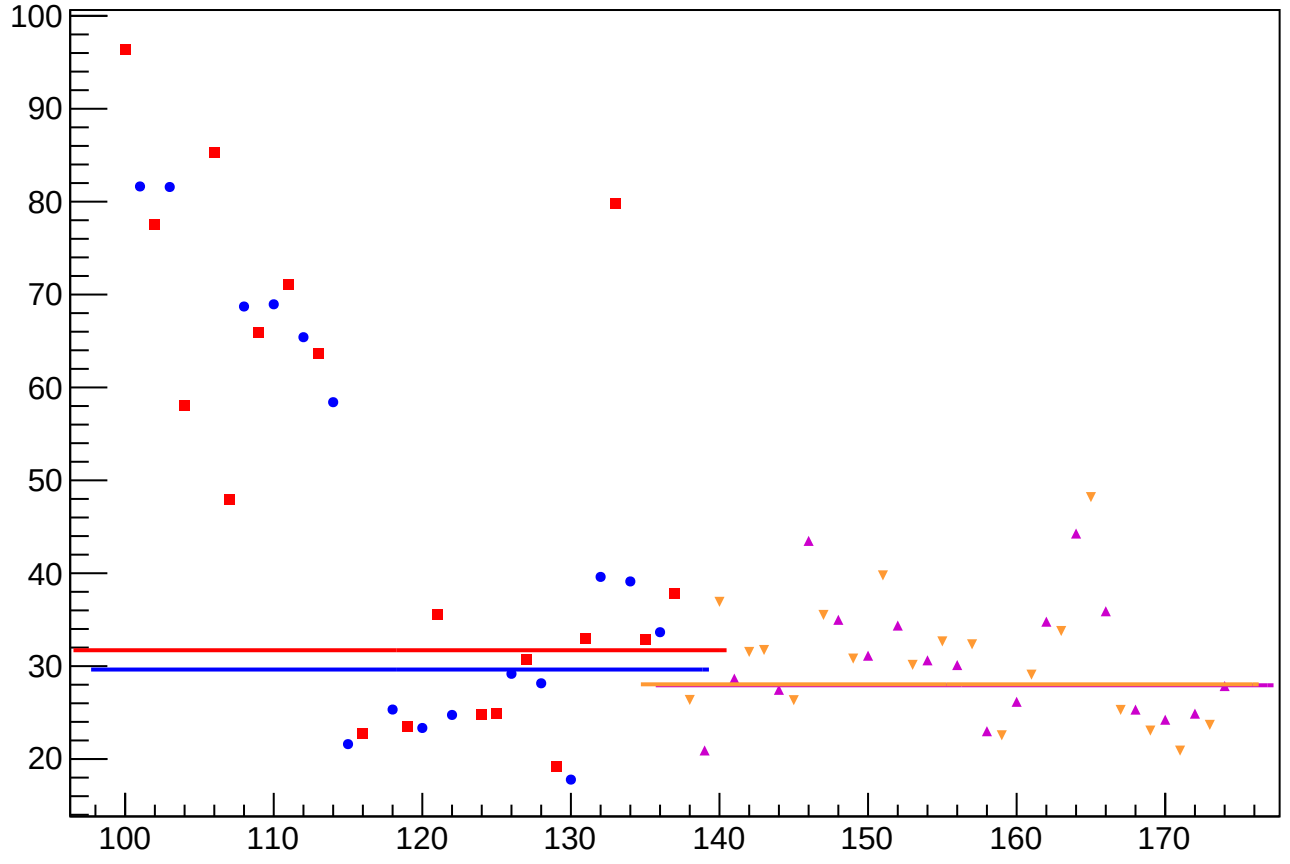
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.008 χ^2/NDF:25.0/17

+ sign 0.007+/-0.006 χ^2/NDF: 45.5/34

All: 0.003+/-0.005 χ^2/NDF: 84.2/71

- 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: 28.042+/-0.005 χ^2/NDF:1096965.9/18

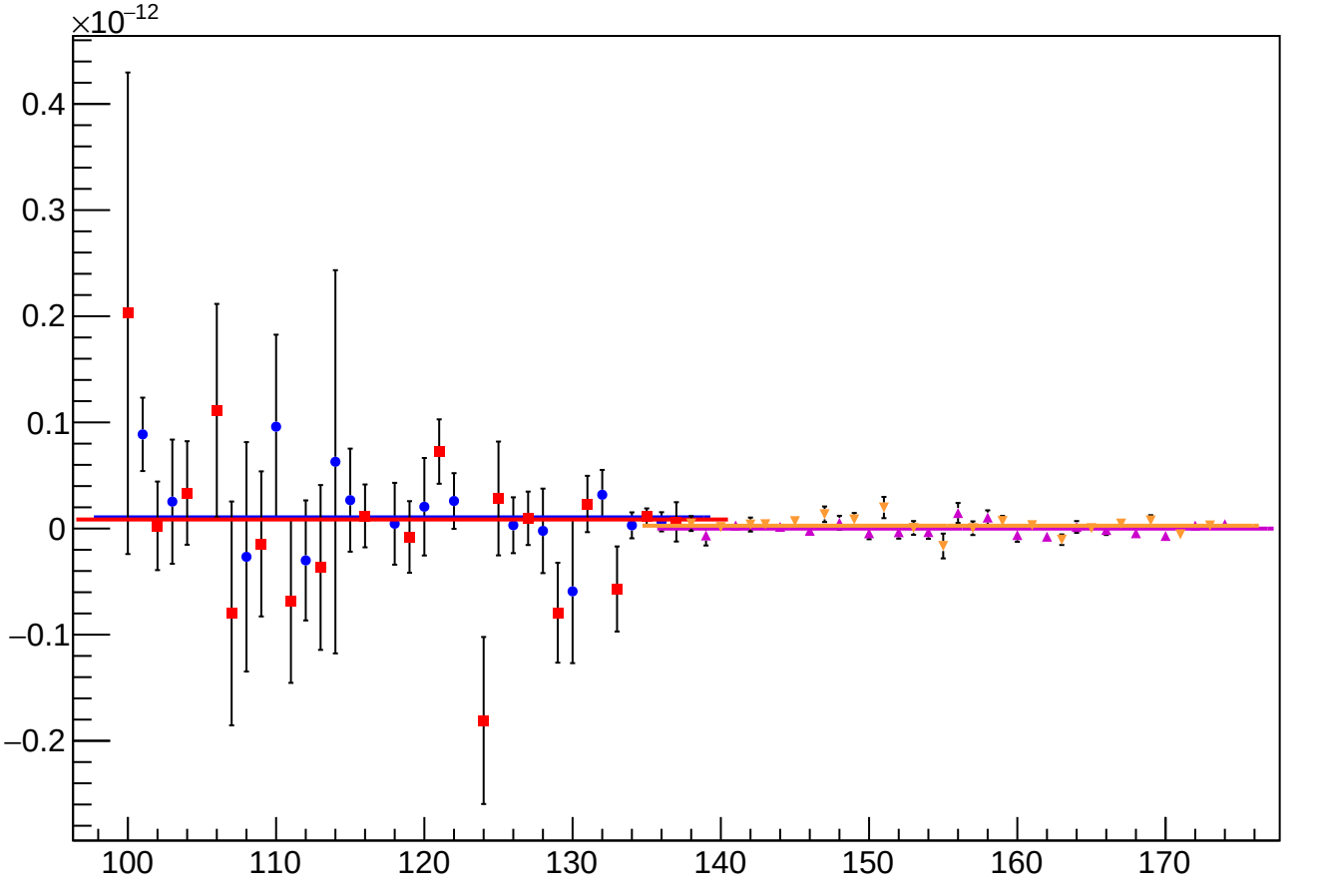
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.940+/-0.005 χ^2/NDF:969685.2/17

+ sign 28.463+/-0.005 χ^2/NDF: 3569256.5/34

All: 28.661+/-0.003 χ^2/NDF: 7316816.8/71

- 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:23.4/18

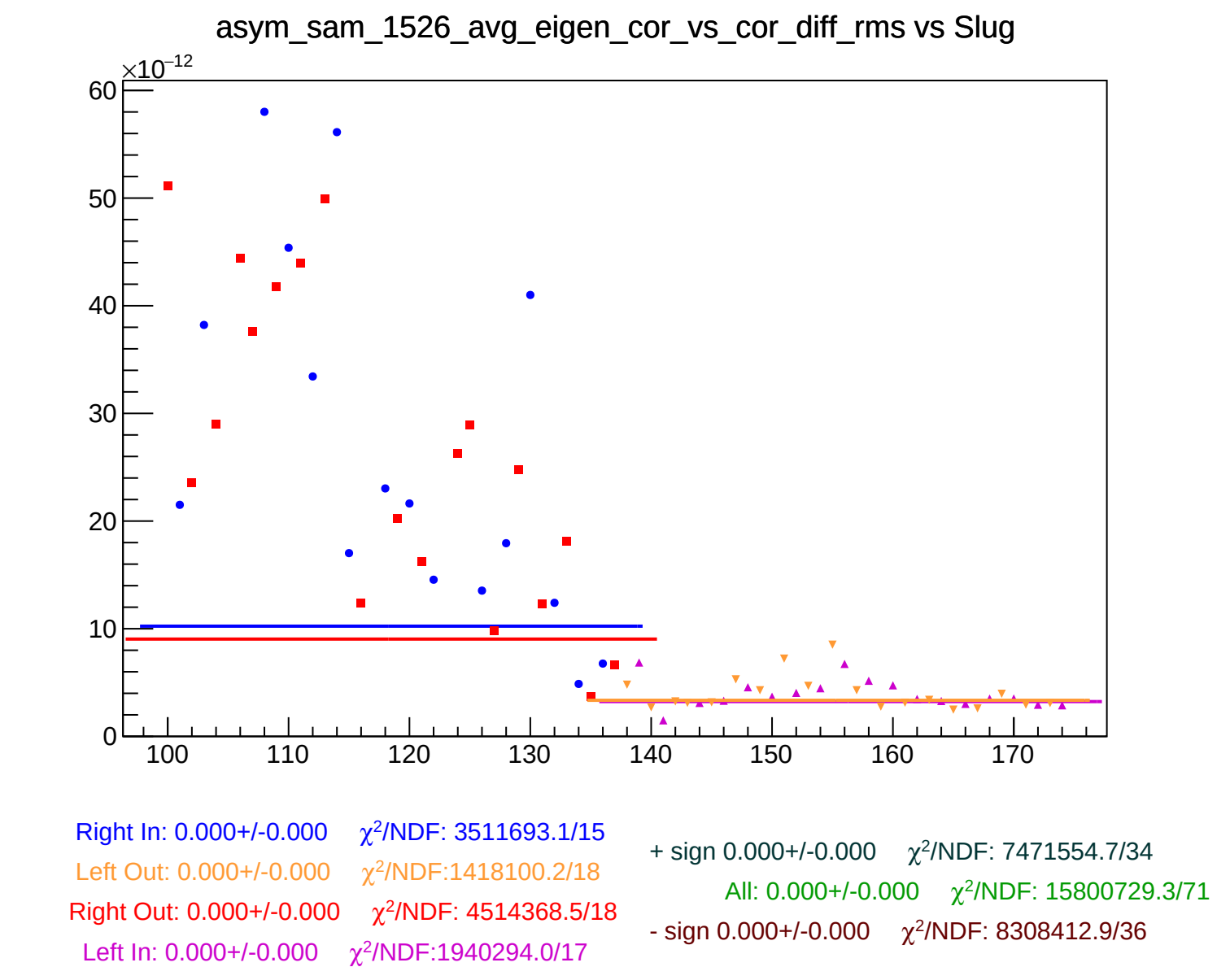
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/17

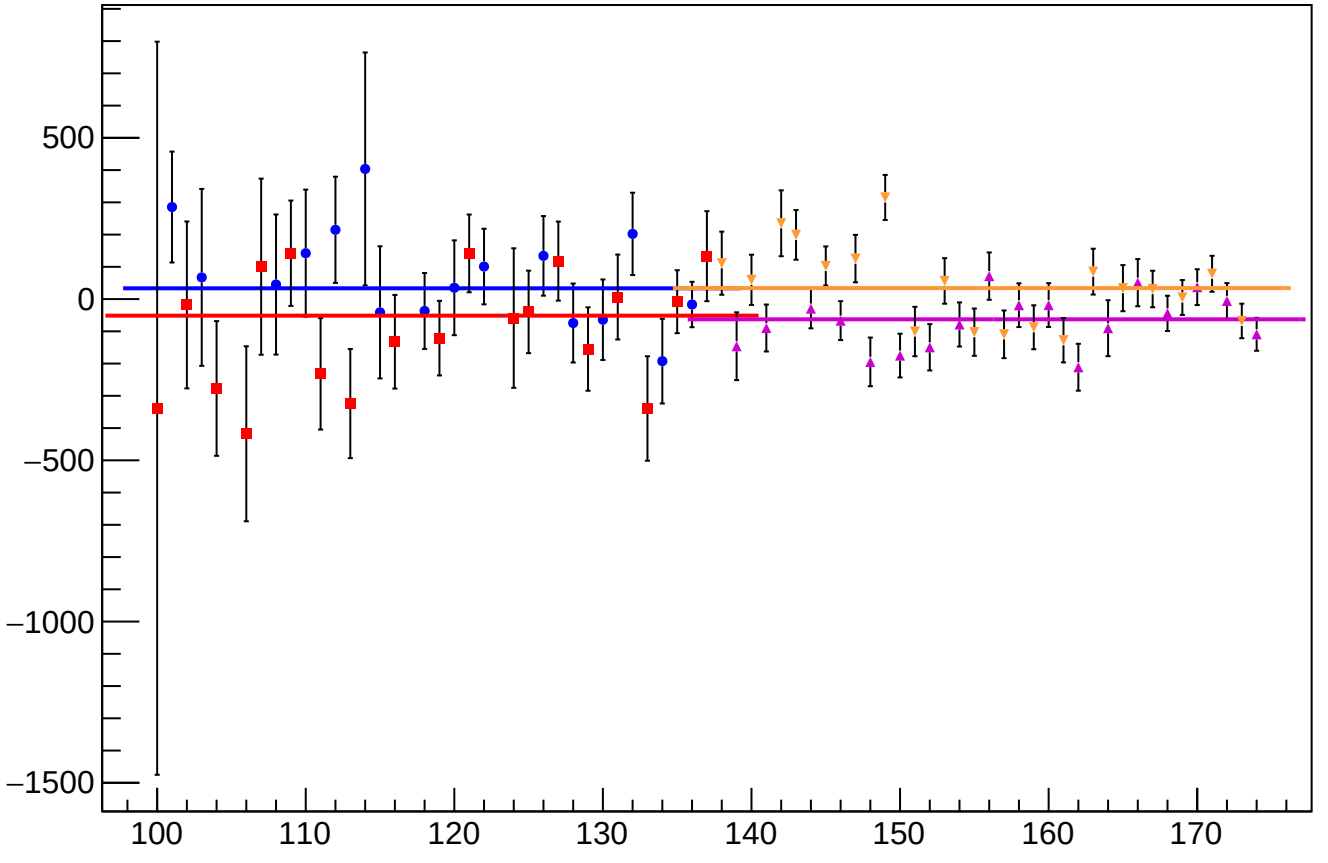
+ sign 0.000+/-0.000 χ^2/NDF: 35.1/34

All: 0.000+/-0.000 χ^2/NDF: 78.8/71

- sign 0.000+/-0.000 χ^2/NDF: 40.8/36


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3511693.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1418100.2/18
Right Out: 0.000+/-0.000 χ²/NDF: 4514368.5/18
Left In: 0.000+/-0.000 χ²/NDF:1940294.0/17
+ sign 0.000+/-0.000 χ²/NDF: 7471554.7/34
All: 0.000+/-0.000 χ²/NDF: 15800729.3/71
- sign 0.000+/-0.000 χ²/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: 34.081+/-15.660 χ^2/NDF:52.4/18

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

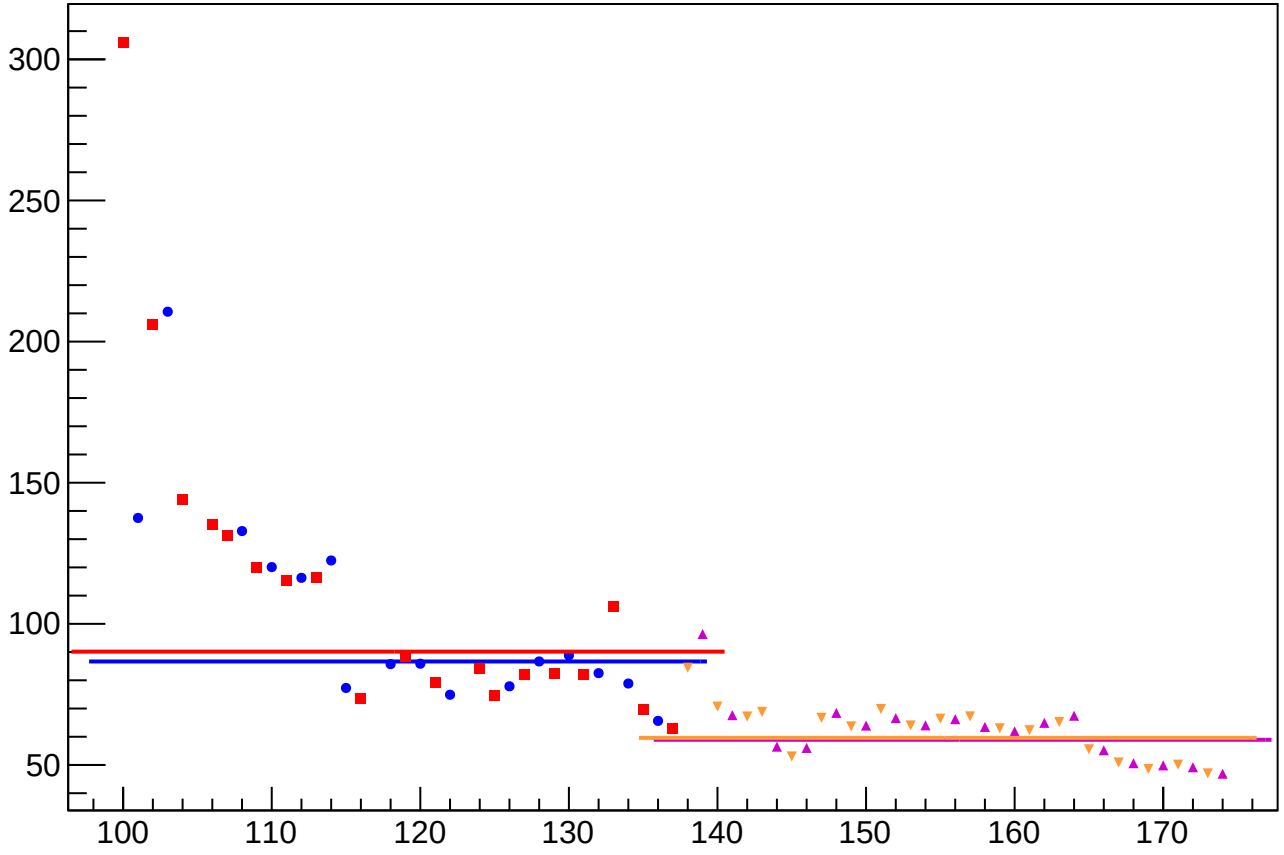
Left In: -62.724+/-15.572 χ^2/NDF:24.5/17

+ sign 33.967+/-14.215 χ^2/NDF: 65.2/34

All: -13.422+/-10.052 χ^2/NDF: 131.6/71

- 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: 59.606+/-0.011 χ^2/NDF:665354.5/18

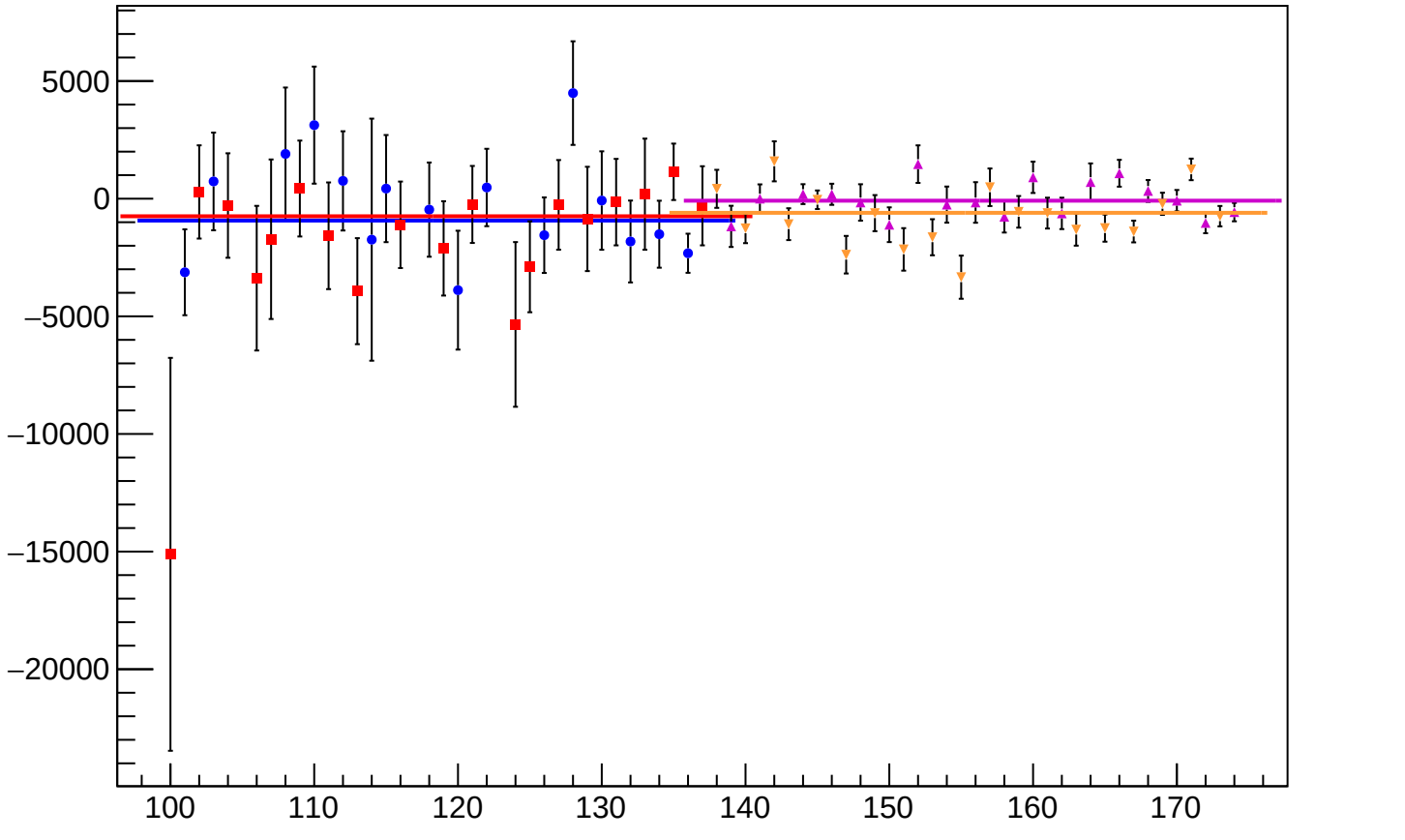
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 58.929+/-0.011 χ^2/NDF:711287.6/17

+ sign 64.370+/-0.010 χ^2/NDF: 2755385.9/34

All: 64.247+/-0.007 χ^2/NDF: 5955166.0/71

- 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: -600.367+/-138.697 χ^2/NDF:54.7/18

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

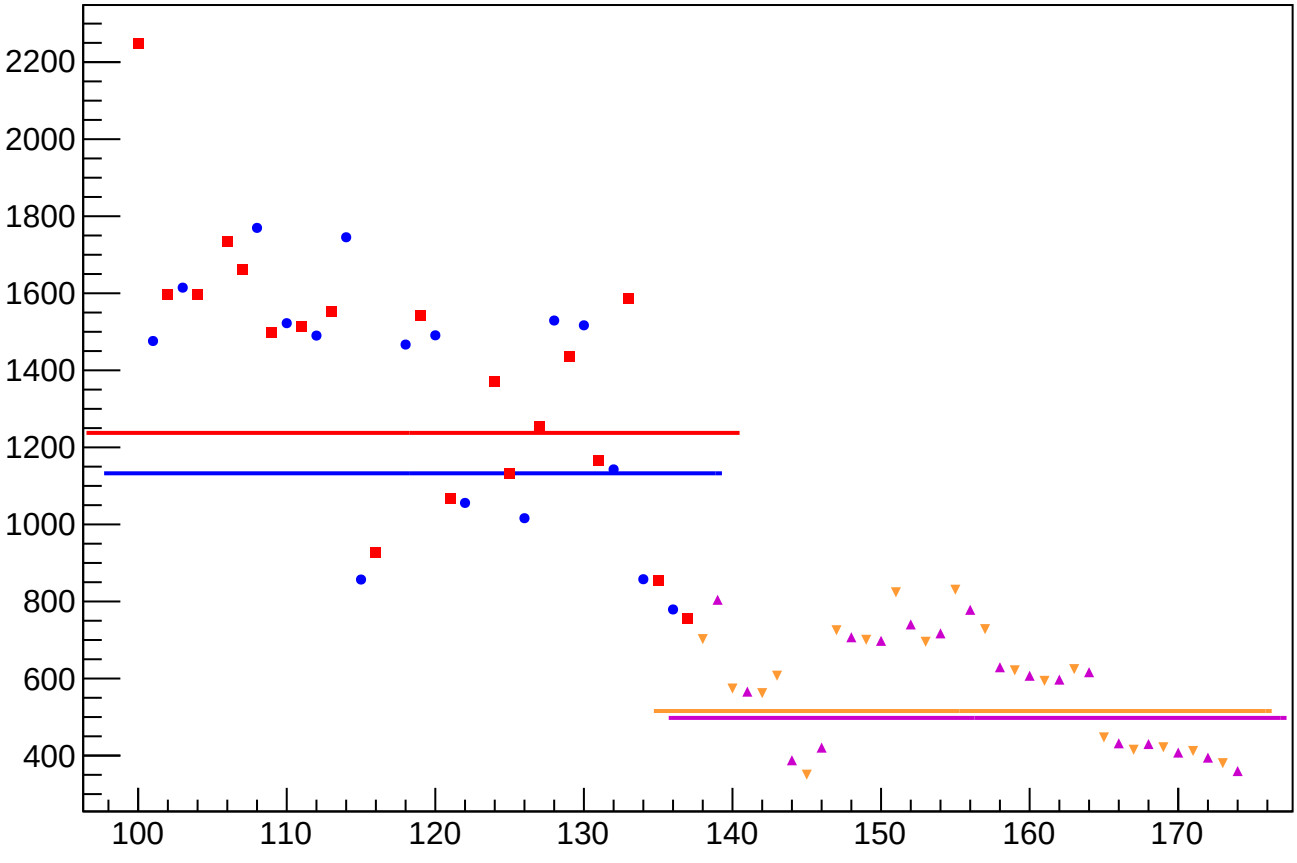
Left In: -84.820+/-134.463 χ^2/NDF:24.2/17

\+ sign -630.035+/-132.305 χ^2/NDF: 73.7/34

All: -376.882+/-92.448 χ^2/NDF: 119.9/71

\- 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: 515.668+/-0.098 χ^2/NDF:2120110.0/18

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

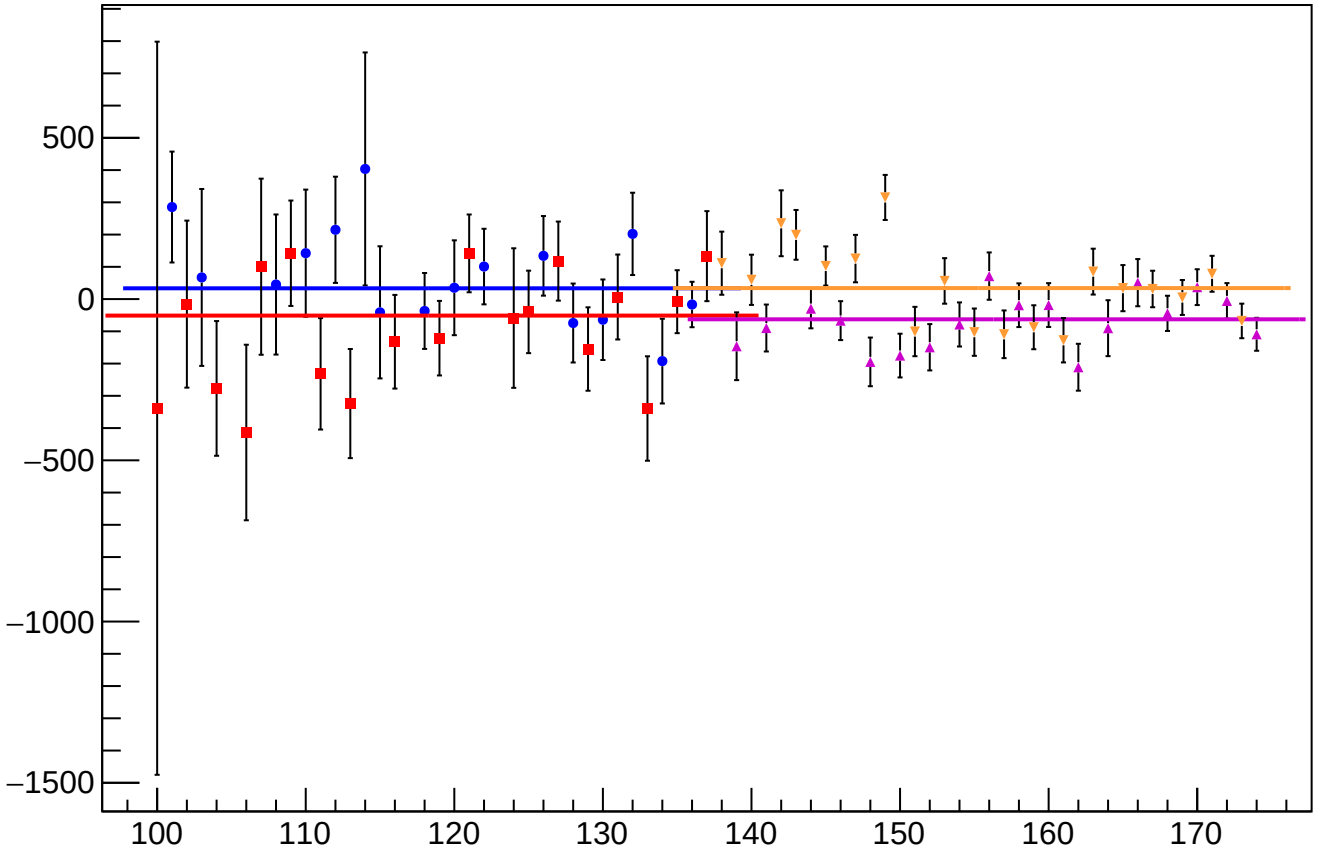
Left In: 497.777+/-0.095 χ^2/NDF:2045373.8/17

+ sign 571.230+/-0.094 χ^2/NDF: 6808609.6/34

All: 562.522+/-0.065 χ^2/NDF: 14384747.7/71

- 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: 34.083+/-15.660 χ^2/NDF:52.4/18

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

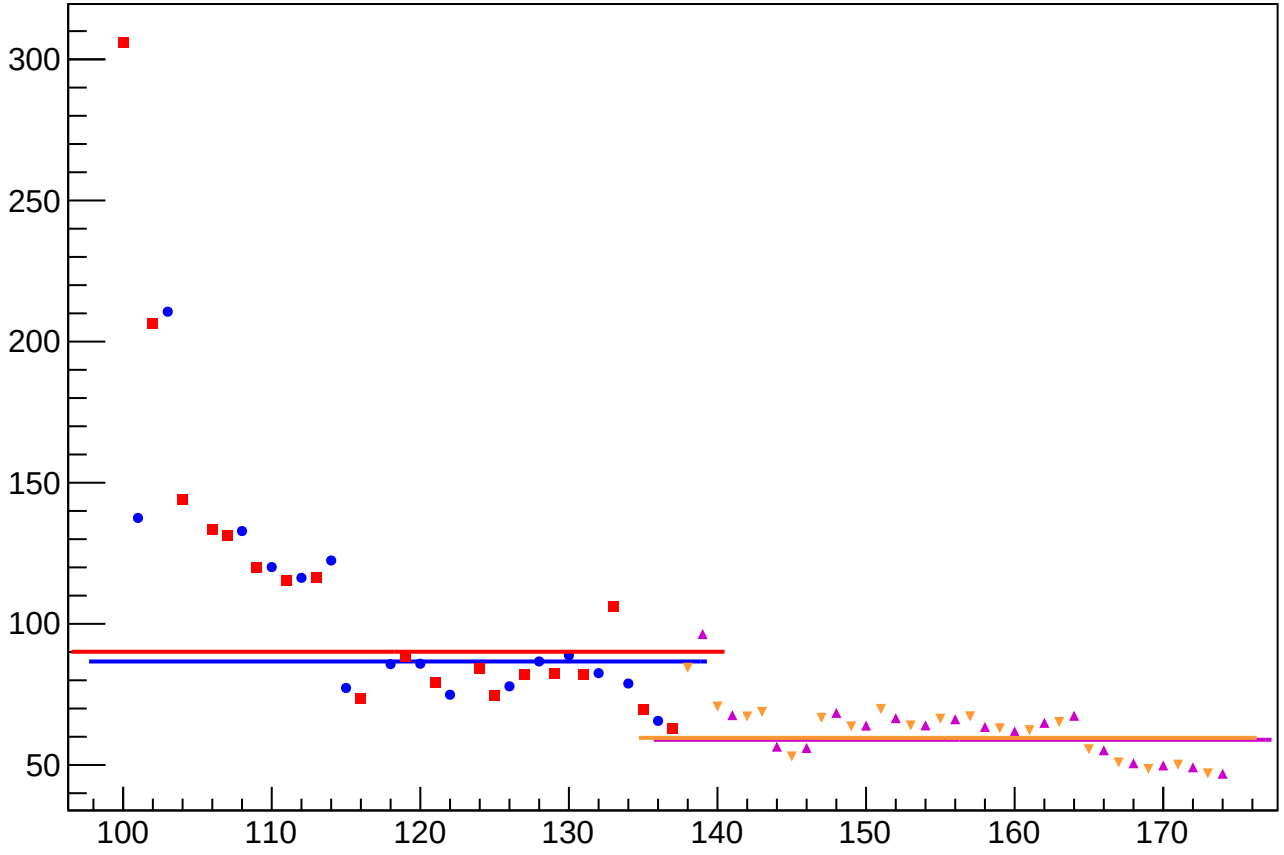
Left In: -62.722+/-15.572 χ^2/NDF:24.5/17

+ sign 33.967+/-14.215 χ^2/NDF: 65.2/34

All: -13.408+/-10.053 χ^2/NDF: 131.5/71

- 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: 59.606+/-0.011 χ^2/NDF:665354.5/18

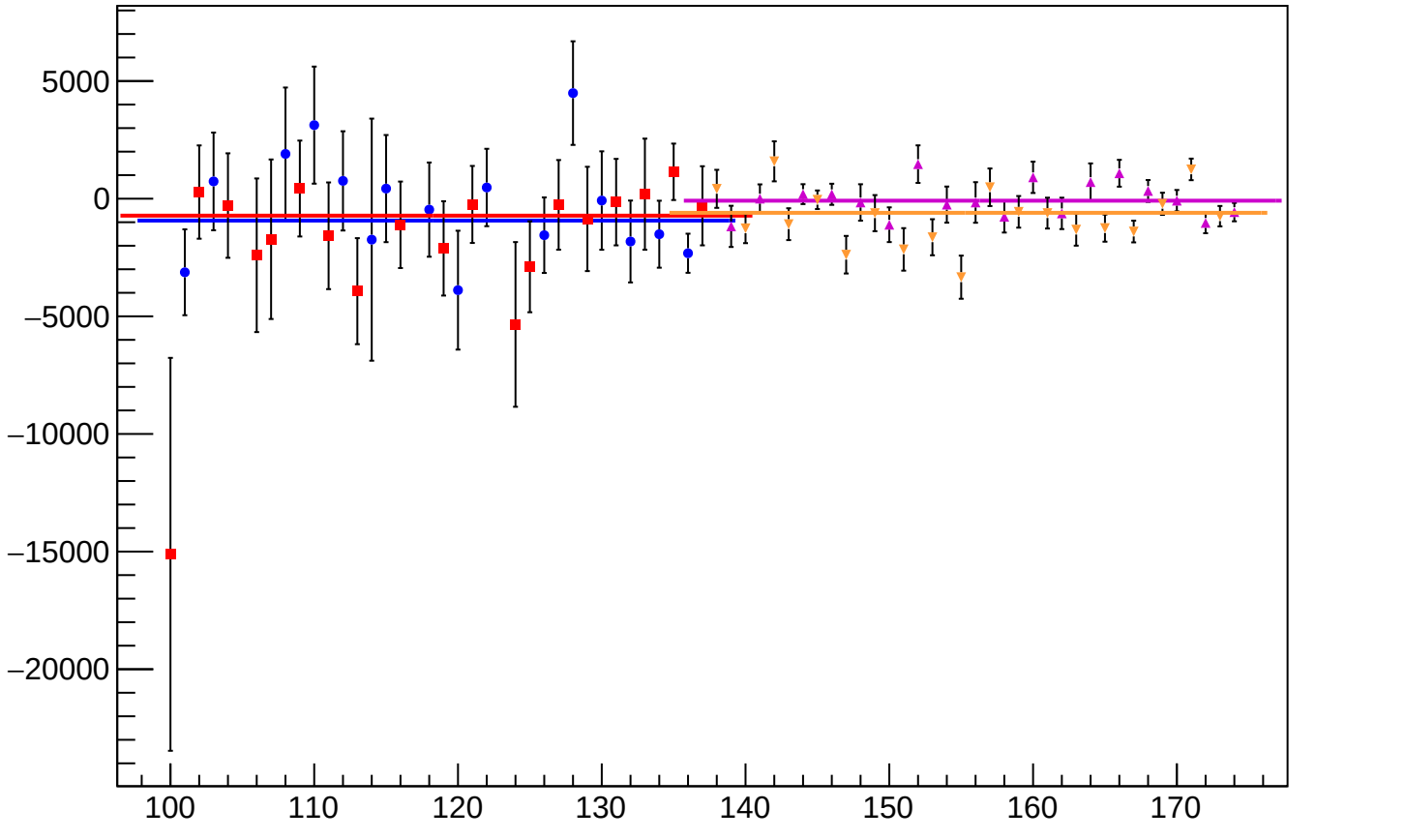
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.929+/-0.011 χ^2/NDF:711287.6/17

+ sign 64.370+/-0.010 χ^2/NDF: 2755388.2/34

All: 64.244+/-0.007 χ^2/NDF: 5947178.2/71

- 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: -600.363+/-138.697 χ^2/NDF:54.7/18

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

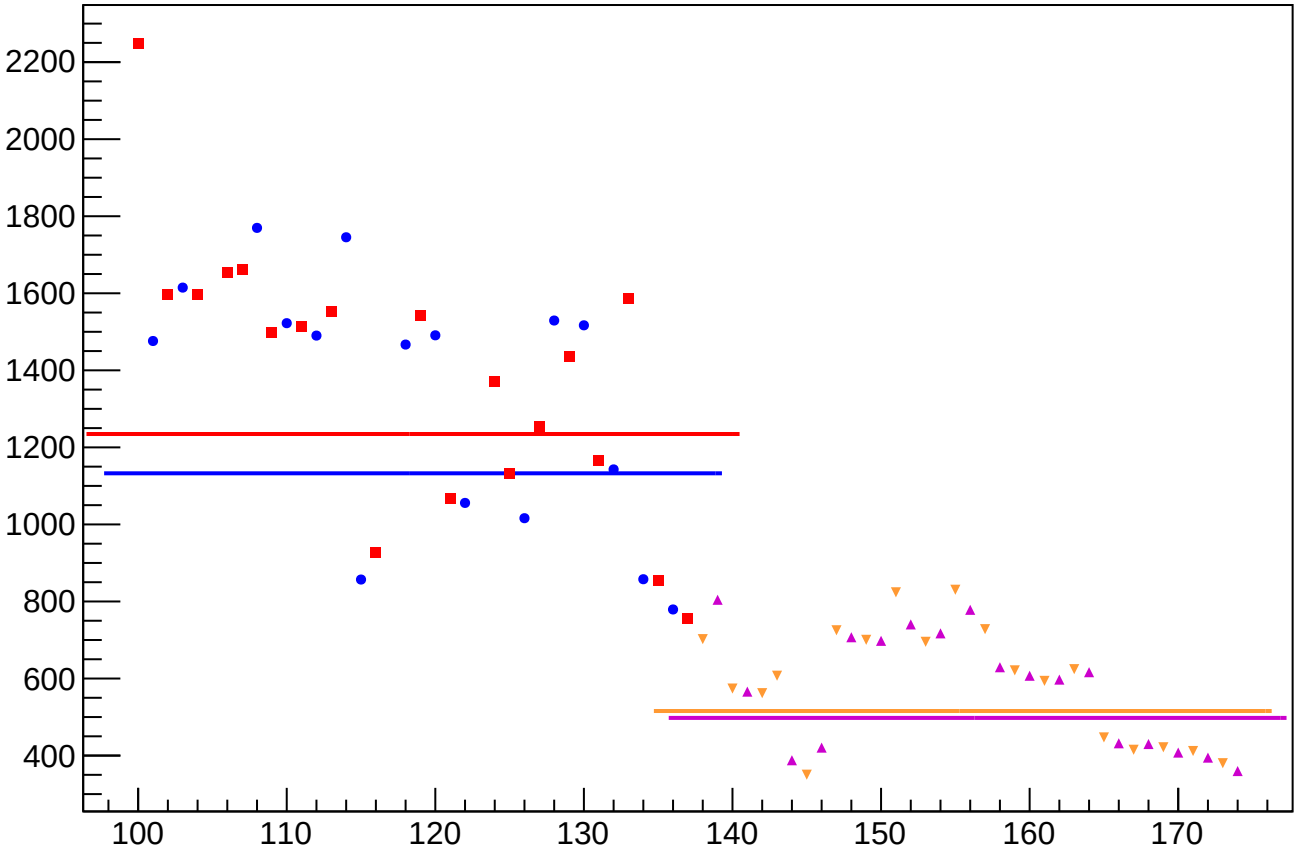
Left In: -84.817+/-134.463 χ^2/NDF:24.2/17

+ sign -630.028+/-132.305 χ^2/NDF: 73.7/34

All: -375.802+/-92.453 χ^2/NDF: 119.3/71

- sign -133.195+/-129.246 χ^2/NDF: 38.4/36

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 515.667+/-0.098 χ^2/NDF:2120113.3/18

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

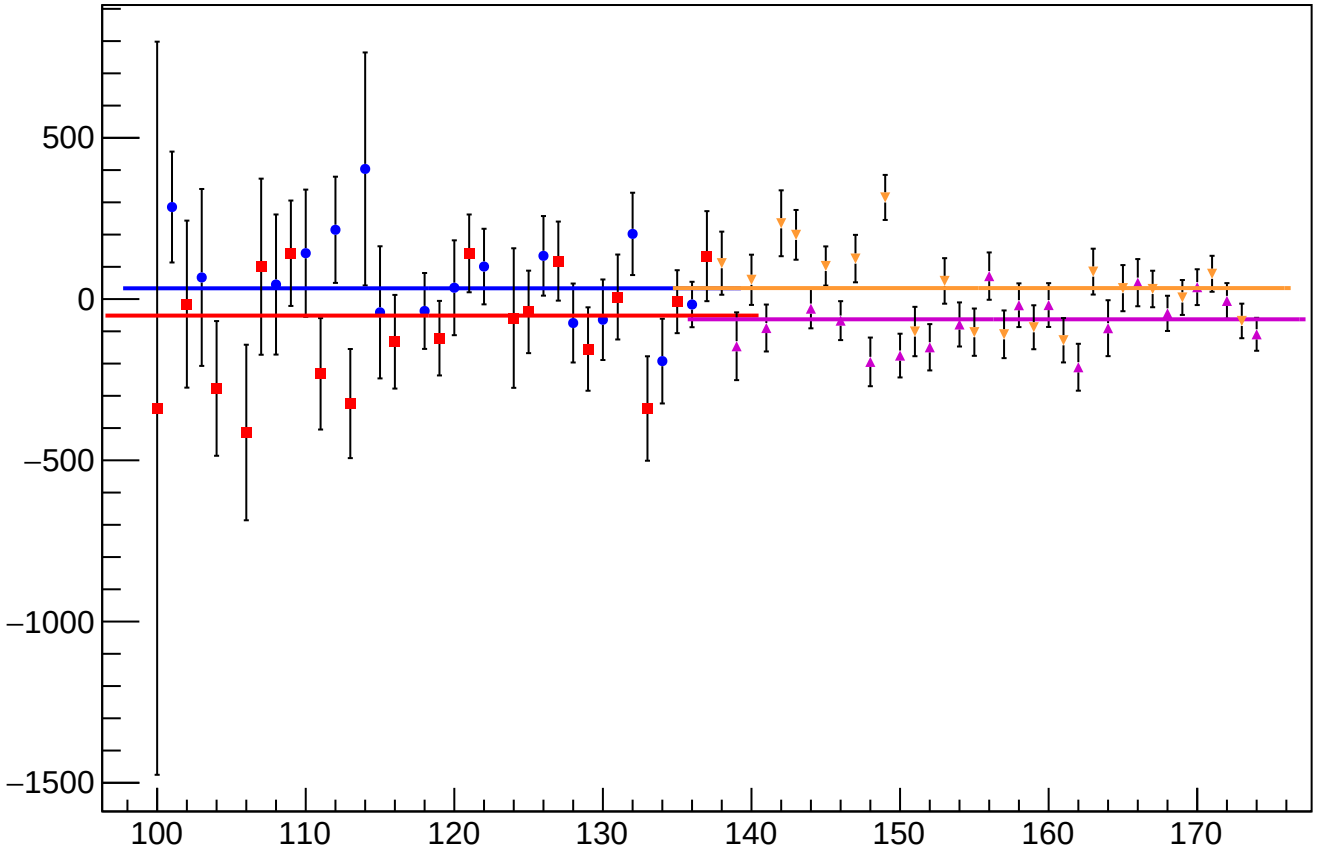
Left In: 497.777+/-0.095 χ^2/NDF:2045375.4/17

+ sign 571.230+/-0.094 χ^2/NDF: 6808649.4/34

All: 562.338+/-0.065 χ^2/NDF: 14319038.5/71

- 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: 34.083+/-15.660 χ^2/NDF:52.4/18

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

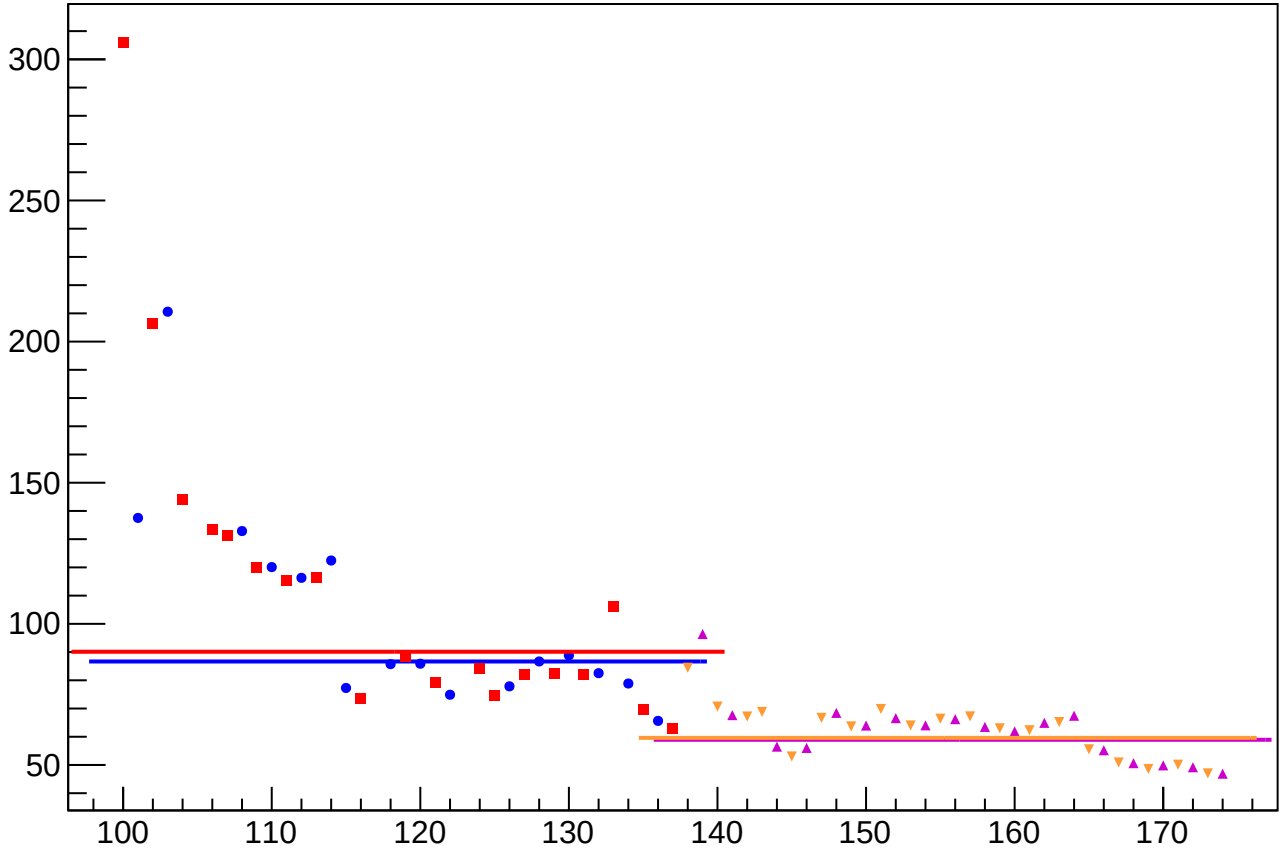
Left In: -62.722+/-15.572 χ^2/NDF:24.5/17

+ sign 33.967+/-14.215 χ^2/NDF: 65.2/34

All: -13.408+/-10.053 χ^2/NDF: 131.5/71

- 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: 59.606+/-0.011 χ^2/NDF:665354.5/18

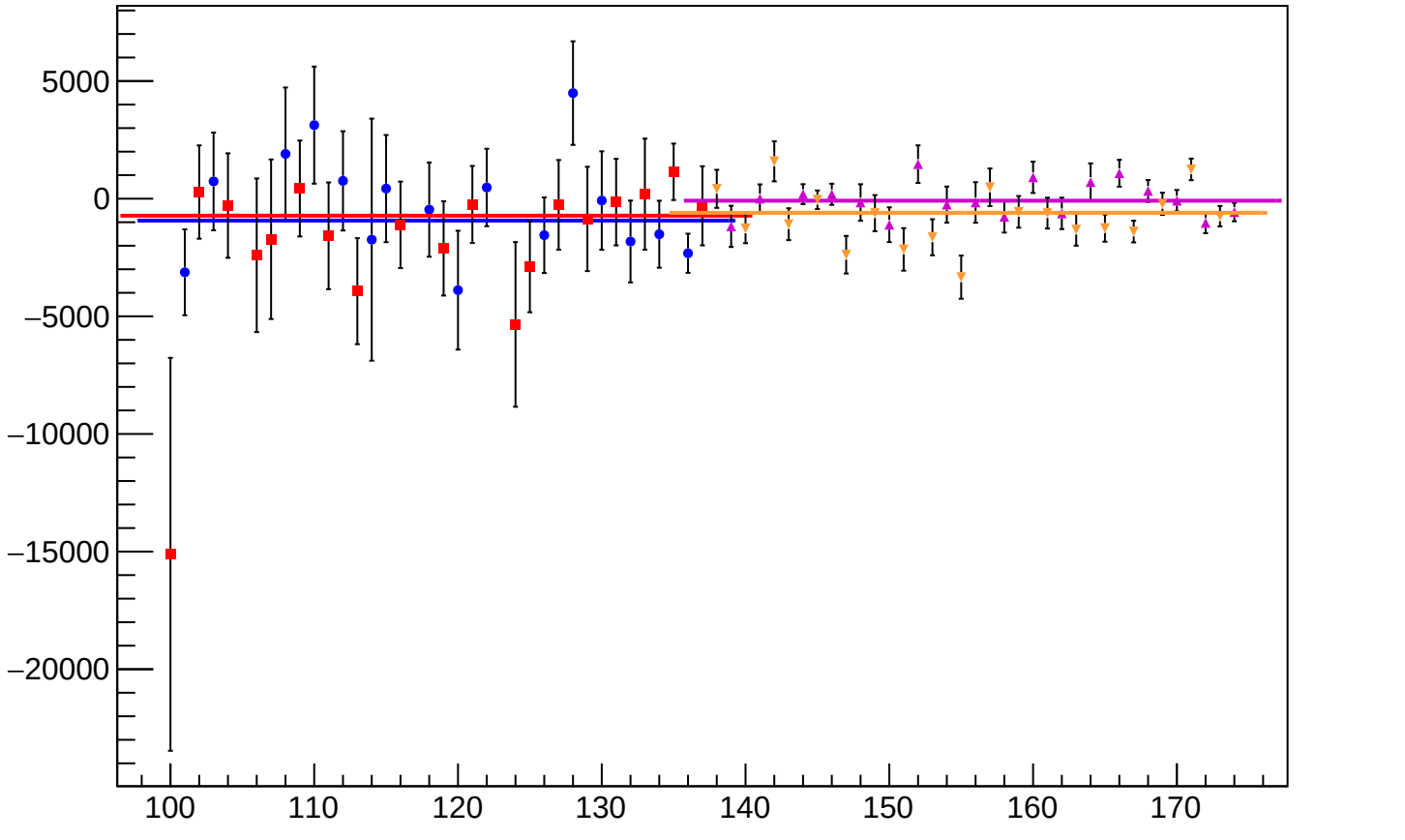
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.929+/-0.011 χ^2/NDF:711287.6/17

+ sign 64.370+/-0.010 χ^2/NDF: 2755388.2/34

All: 64.244+/-0.007 χ^2/NDF: 5947178.2/71

- 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: -600.363+/-138.697 χ^2/NDF:54.7/18

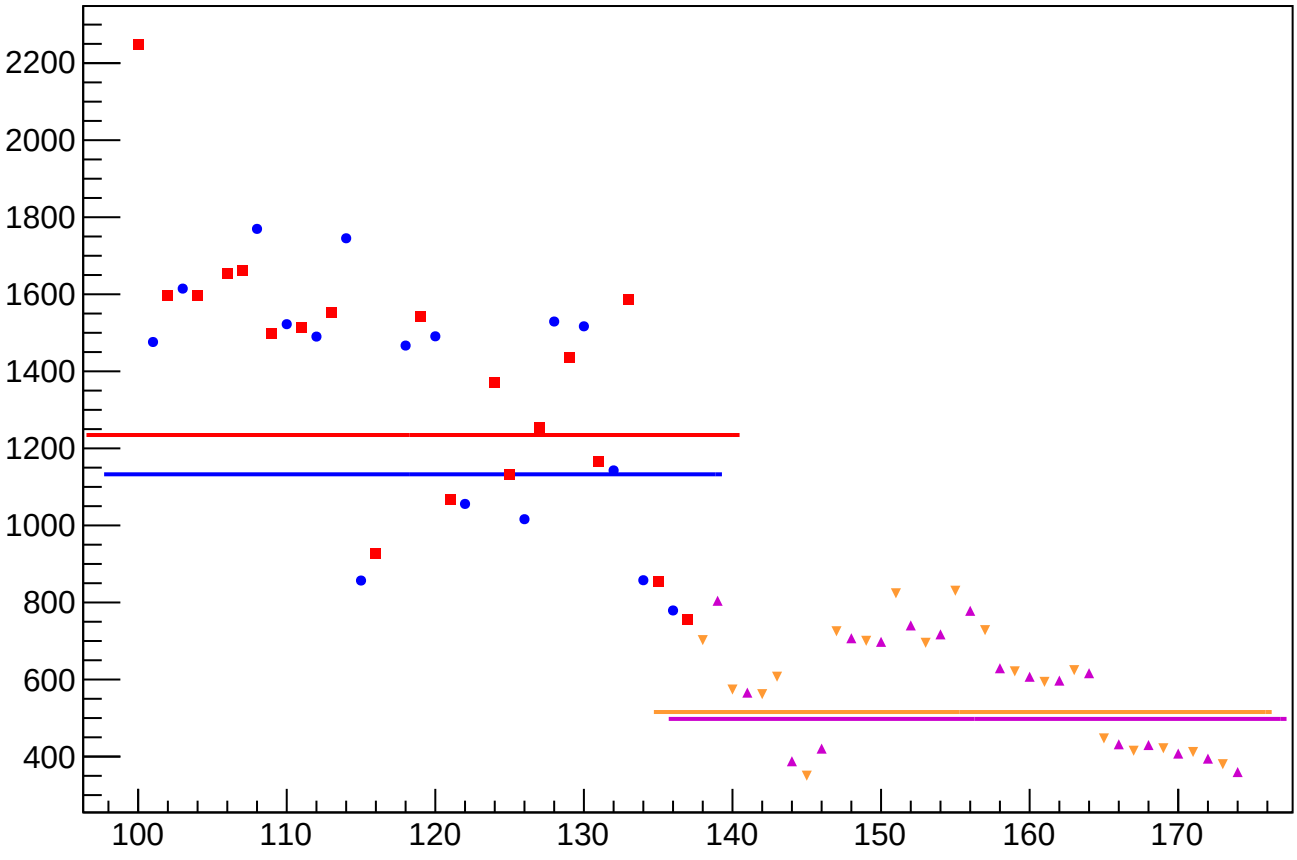
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -84.817+/-134.463 χ^2/NDF:24.2/17

+ sign -630.028+/-132.305 χ^2/NDF: 73.7/34

All: -375.802+/-92.453 χ^2/NDF: 119.3/71

- 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: 515.667+/-0.098 χ^2/NDF:2120113.3/18

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

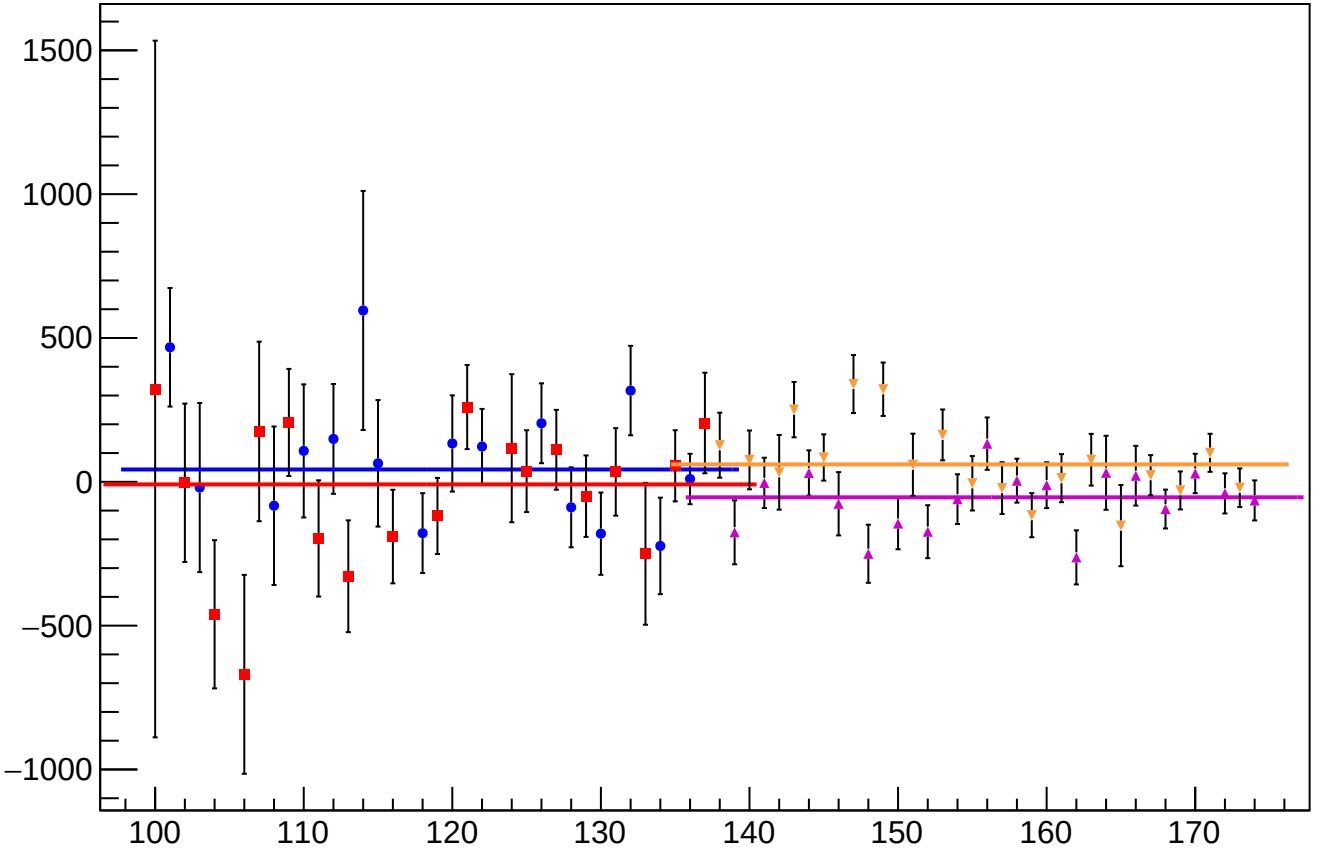
Left In: 497.777+/-0.095 χ^2/NDF:2045375.4/17

+ sign 571.230+/-0.094 χ^2/NDF: 6808649.4/34

All: 562.338+/-0.065 χ^2/NDF: 14319038.5/71

- 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: 60.544+/-19.876 χ^2/NDF:34.6/18

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

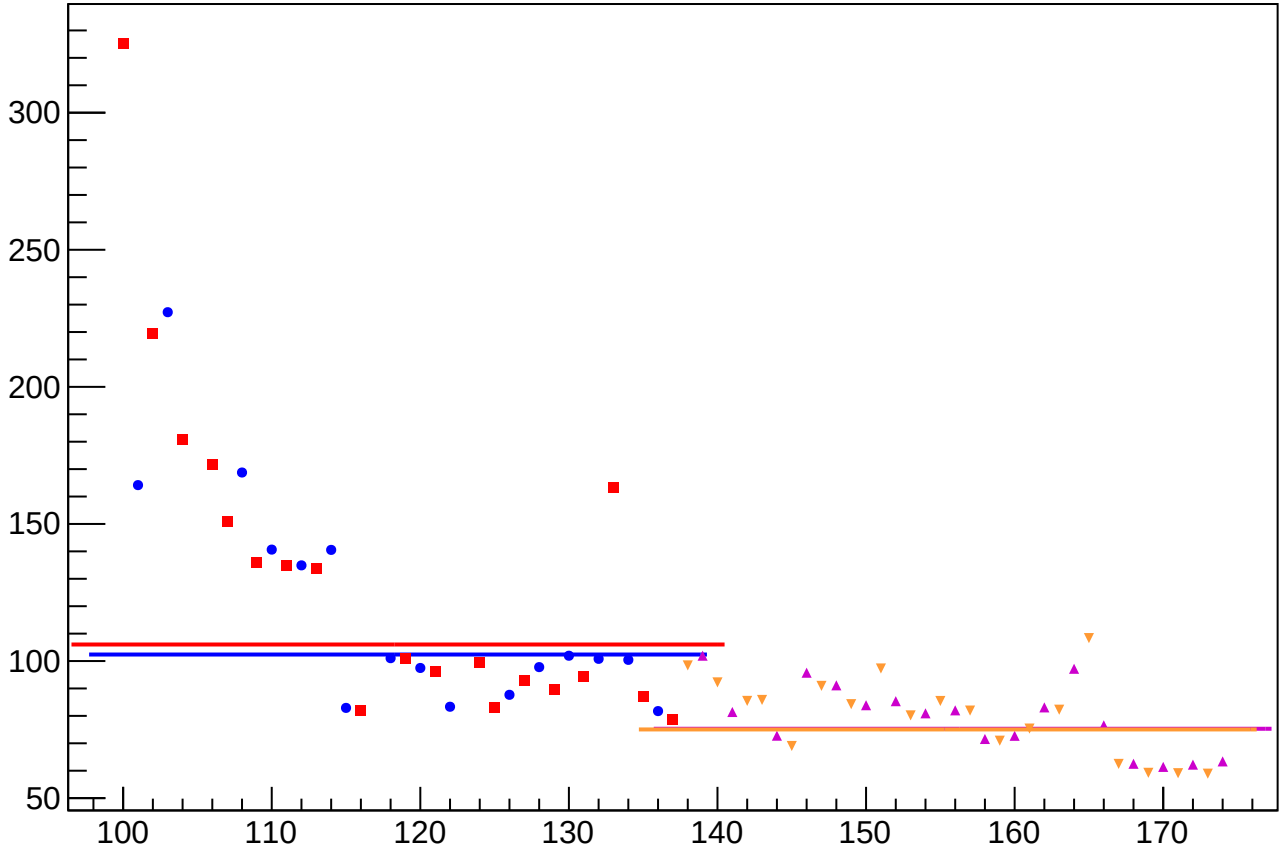
Left In: -53.941+/-20.037 χ^2/NDF:22.1/17

+ sign 57.045+/-17.795 χ^2/NDF: 55.1/34

All: 6.481+/-12.657 χ^2/NDF: 115.8/71

- 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: 75.051+/-0.014 χ^2/NDF:929023.5/18

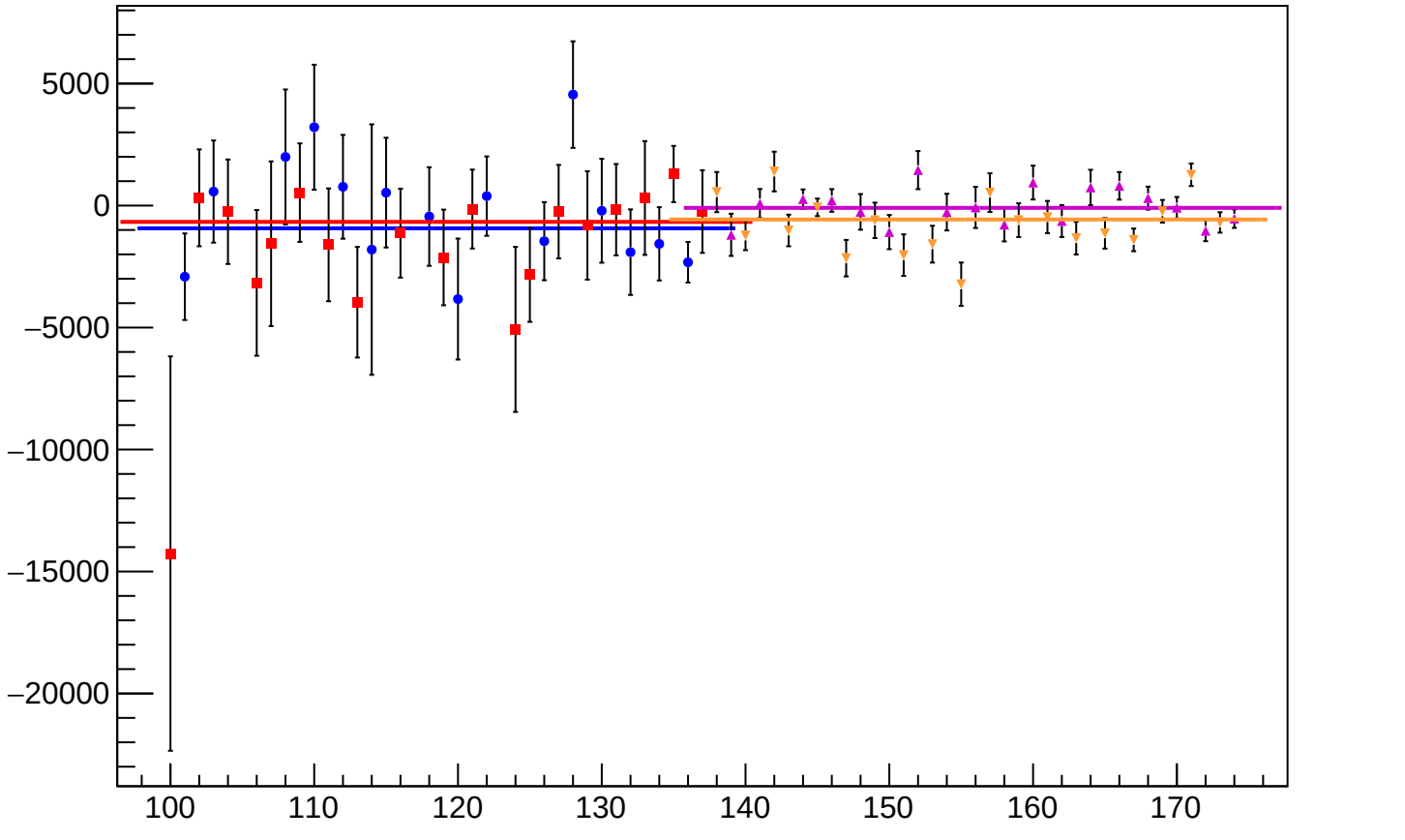
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 75.300+/-0.014 χ^2/NDF:668034.7/17

+ sign 80.474+/-0.013 χ^2/NDF: 2661529.2/34

All: 80.838+/-0.009 χ^2/NDF: 5427478.4/71

- 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: -570.521+/-135.548 χ^2/NDF:53.2/18

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

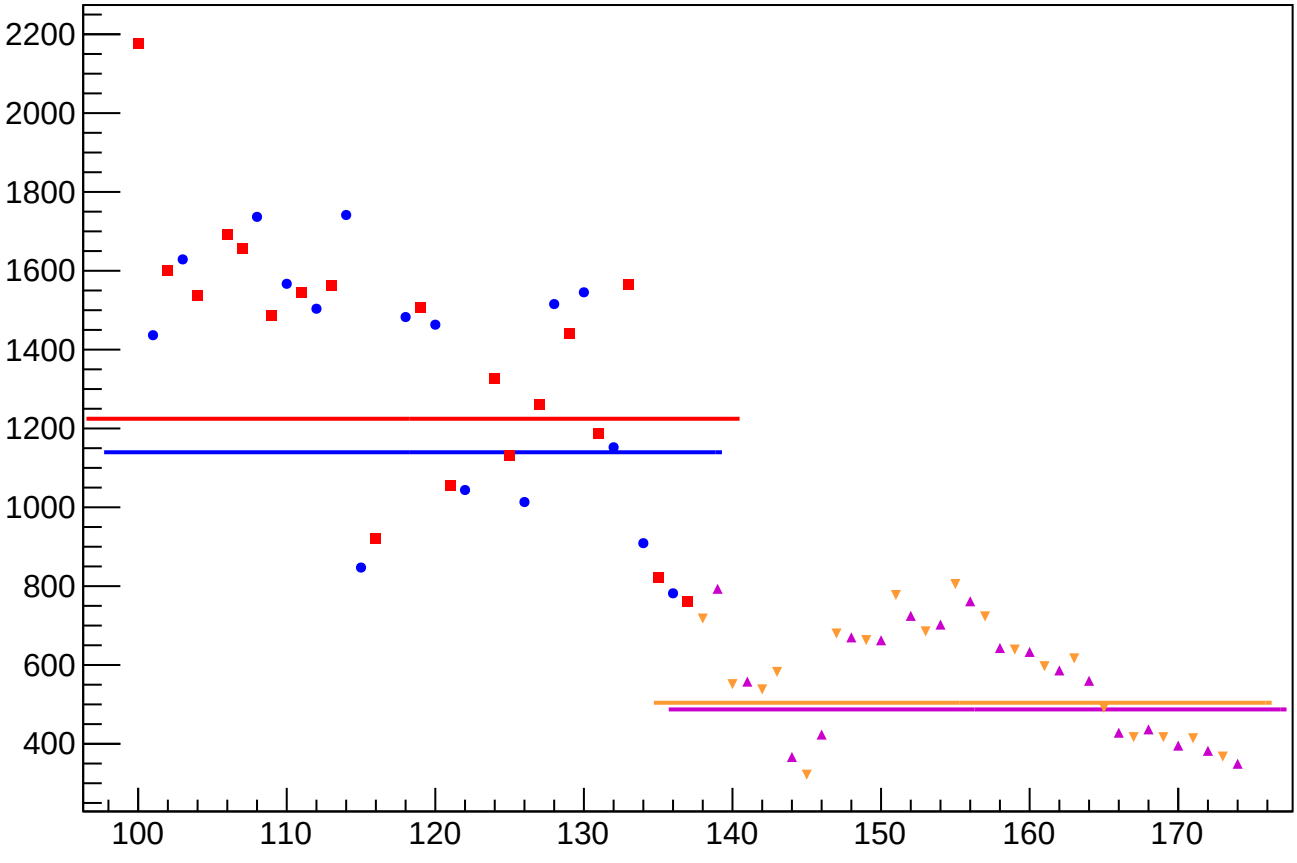
Left In: -94.149+/-131.890 χ^2/NDF:23.8/17

+ sign -601.534+/-129.609 χ^2/NDF: 72.3/34

All: -364.380+/-90.656 χ^2/NDF: 117.5/71

- 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: 504.216+/-0.096 χ^2/NDF:2209815.4/18

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

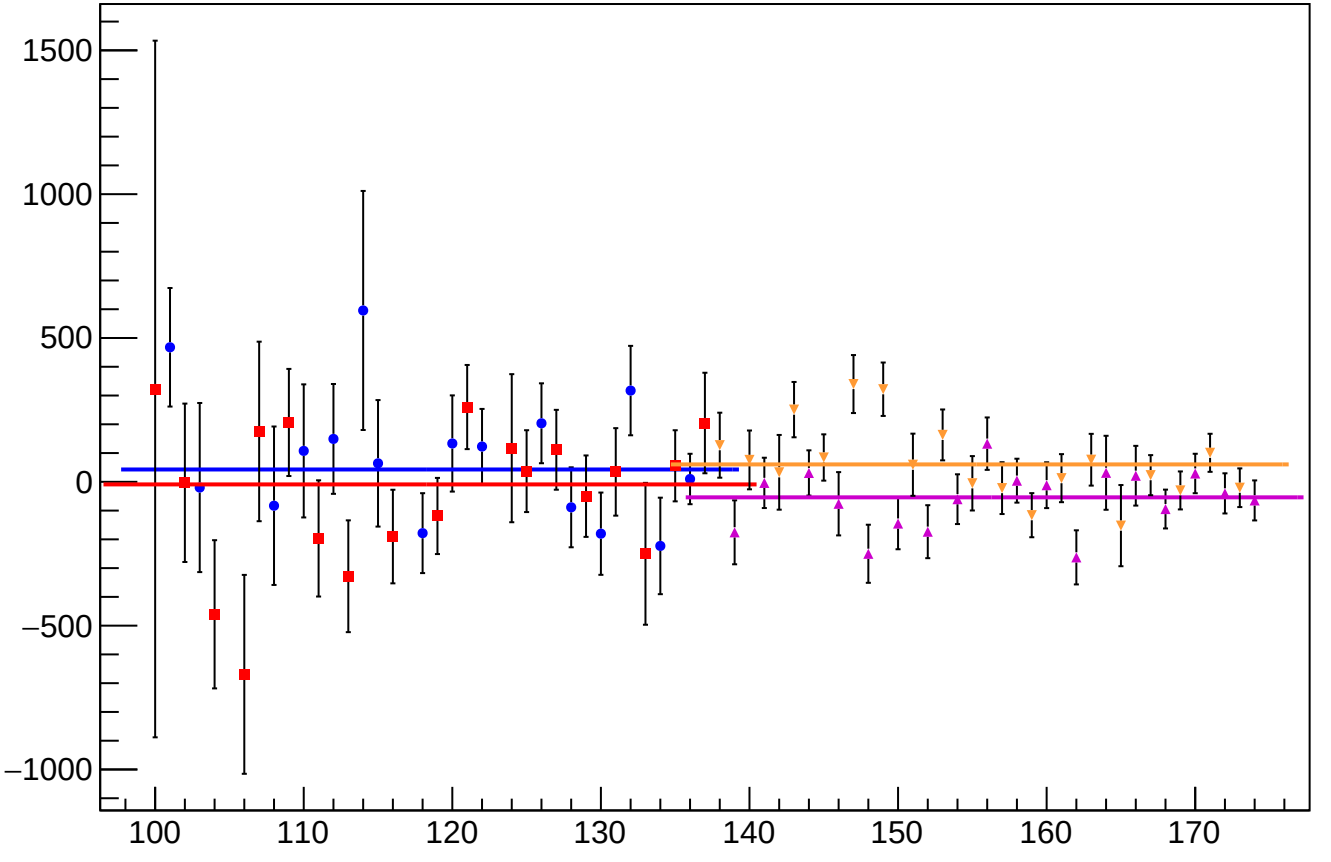
Left In: 487.268+/-0.093 χ^2/NDF:2085049.7/17

+ sign 558.676+/-0.092 χ^2/NDF: 7070268.0/34

All: 550.447+/-0.064 χ^2/NDF: 14781464.7/71

- 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: 60.543+/-19.876 χ^2/NDF:34.6/18

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

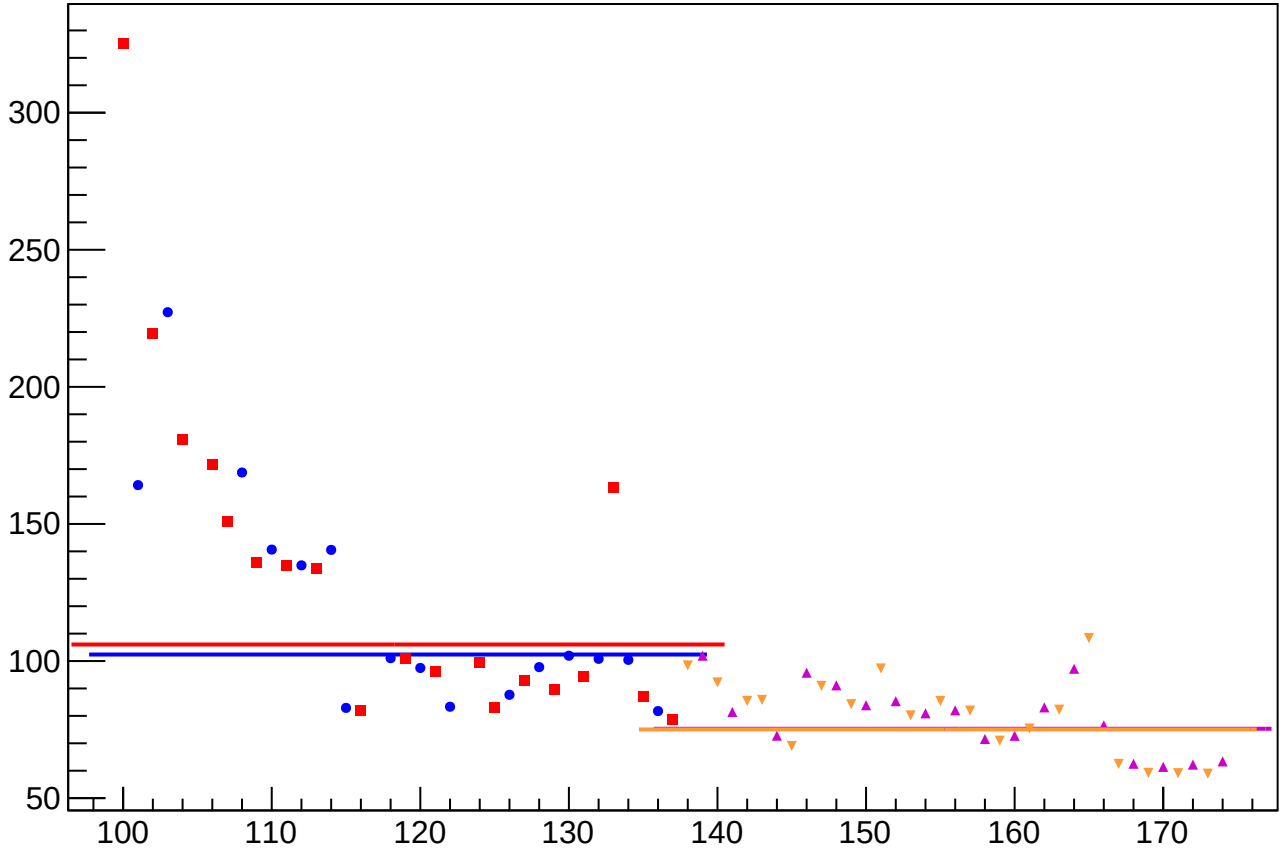
Left In: -53.940+/-20.037 χ^2/NDF:22.1/17

+ sign 57.044+/-17.795 χ^2/NDF: 55.1/34

All: 6.481+/-12.657 χ^2/NDF: 115.8/71

- 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: 75.051+/-0.014 χ^2/NDF:929022.6/18

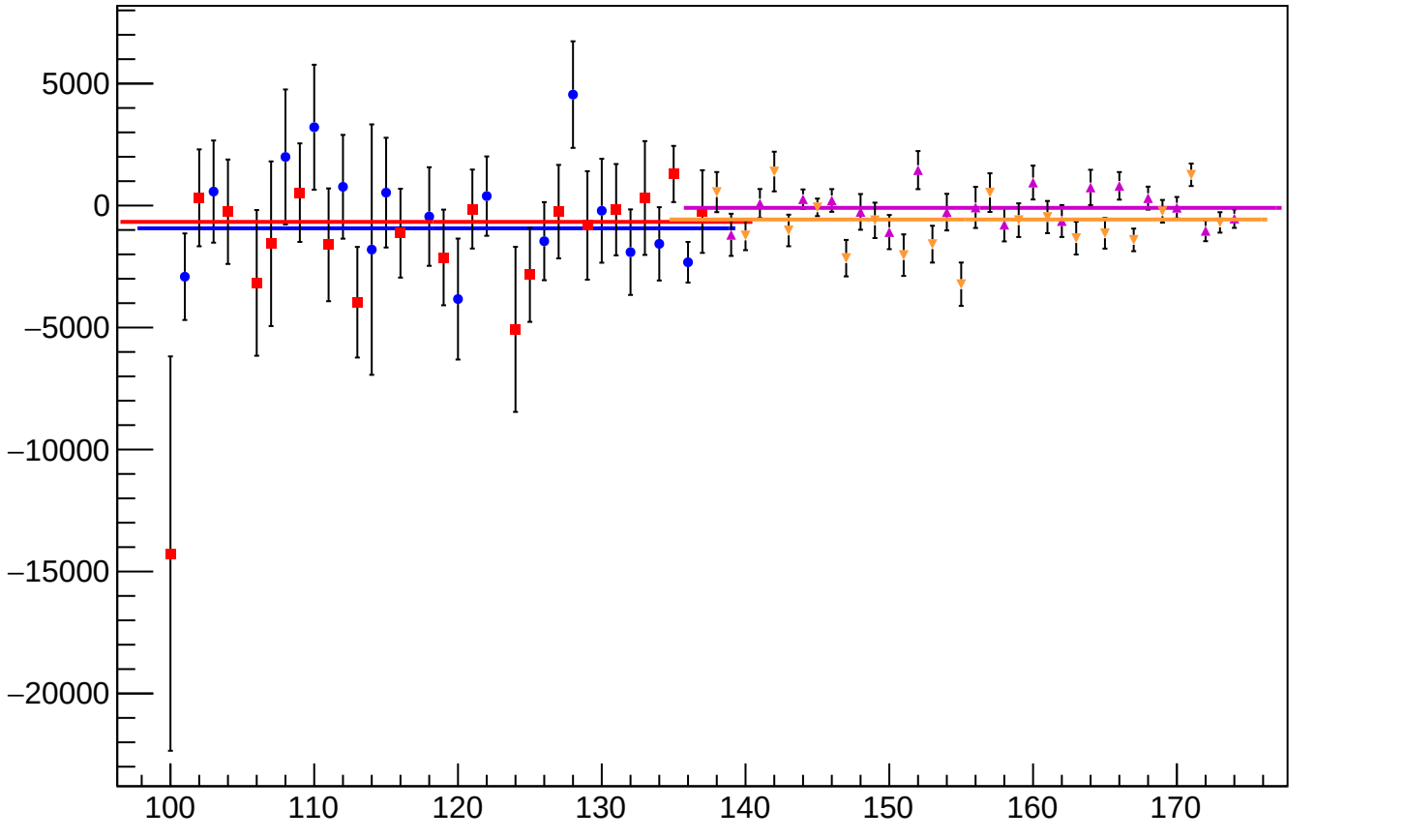
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 75.301+/-0.014 χ^2/NDF:668030.6/17

+ sign 80.474+/-0.013 χ^2/NDF: 2661500.4/34

All: 80.838+/-0.009 χ^2/NDF: 5427424.3/71

- 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: -570.520+/-135.548 χ^2/NDF:53.2/18

Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

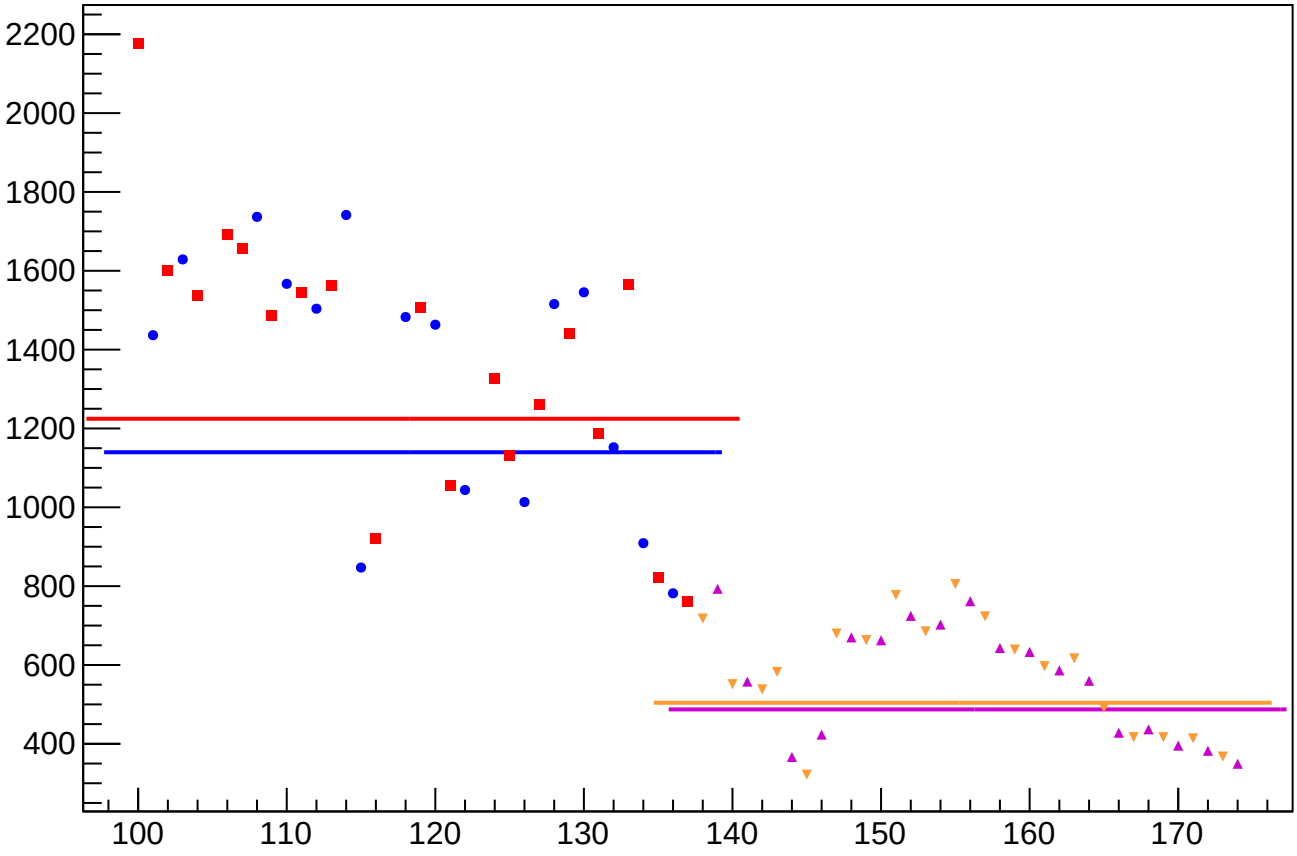
Left In: -94.148+/-131.890 χ^2/NDF:23.8/17

+ sign -601.533+/-129.609 χ^2/NDF: 72.3/34

All: -364.379+/-90.656 χ^2/NDF: 117.5/71

- 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: 504.215+/-0.096 χ^2/NDF:2209823.7/18

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

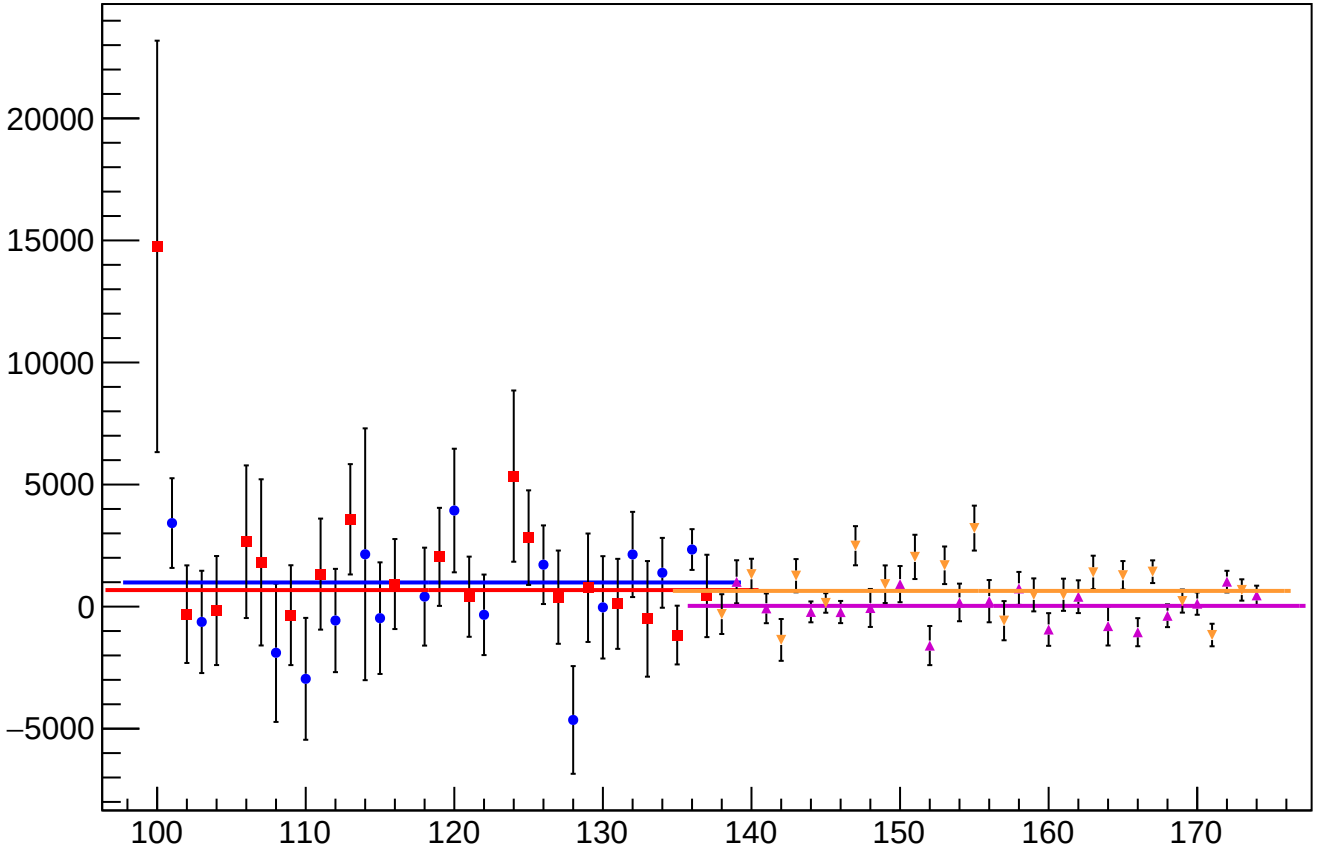
Left In: 487.268+/-0.093 χ^2/NDF:2085043.3/17

+ sign 558.676+/-0.092 χ^2/NDF: 7070267.5/34

All: 550.446+/-0.064 χ^2/NDF: 14781440.8/71

- 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: 643.643+/-139.700 χ^2/NDF:51.7/18

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

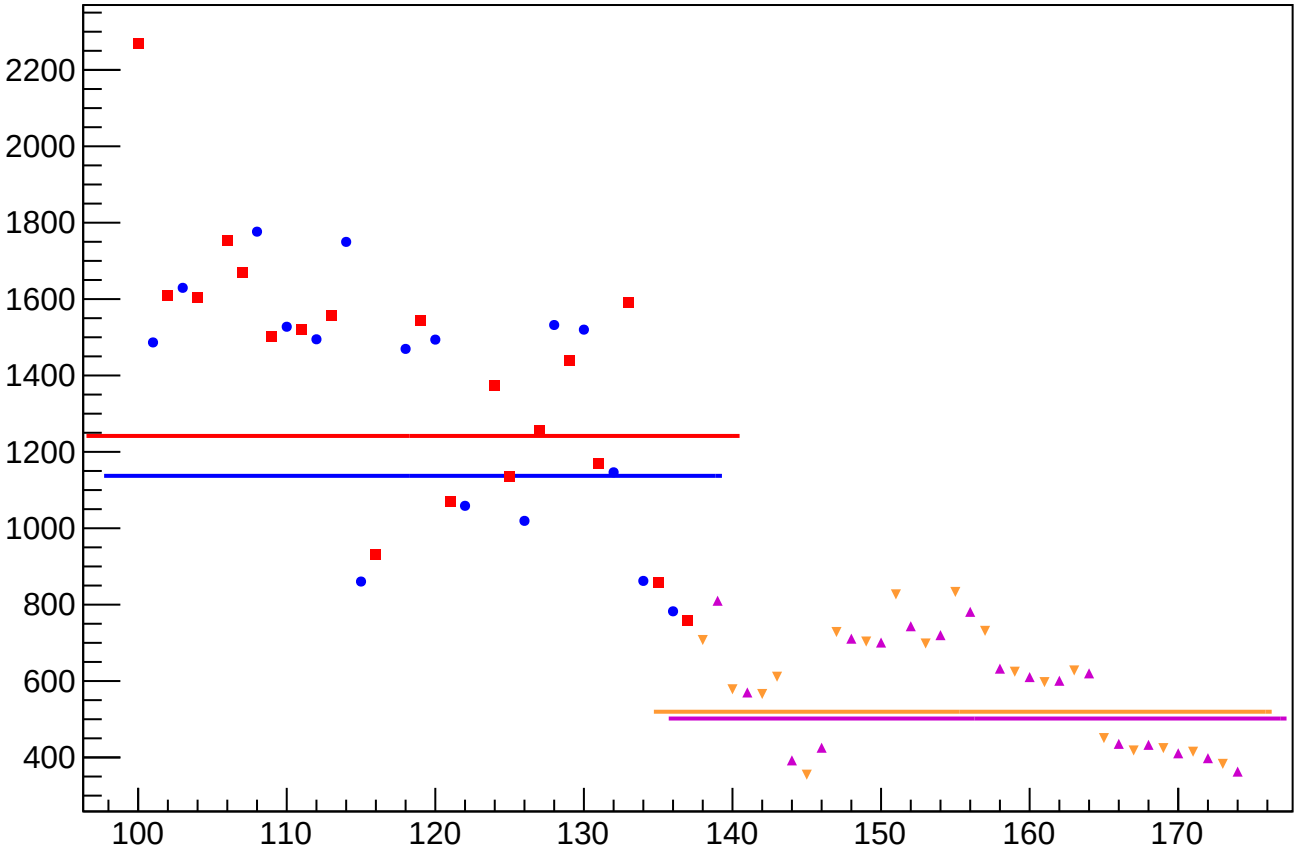
Left In: 30.465+/-135.496 χ^2/NDF:22.7/17

+ sign 674.957+/-133.222 χ^2/NDF: 71.3/34

All: 370.721+/-93.110 χ^2/NDF: 117.9/71

- 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: 519.659+/-0.099 χ^2/NDF:2091394.3/18

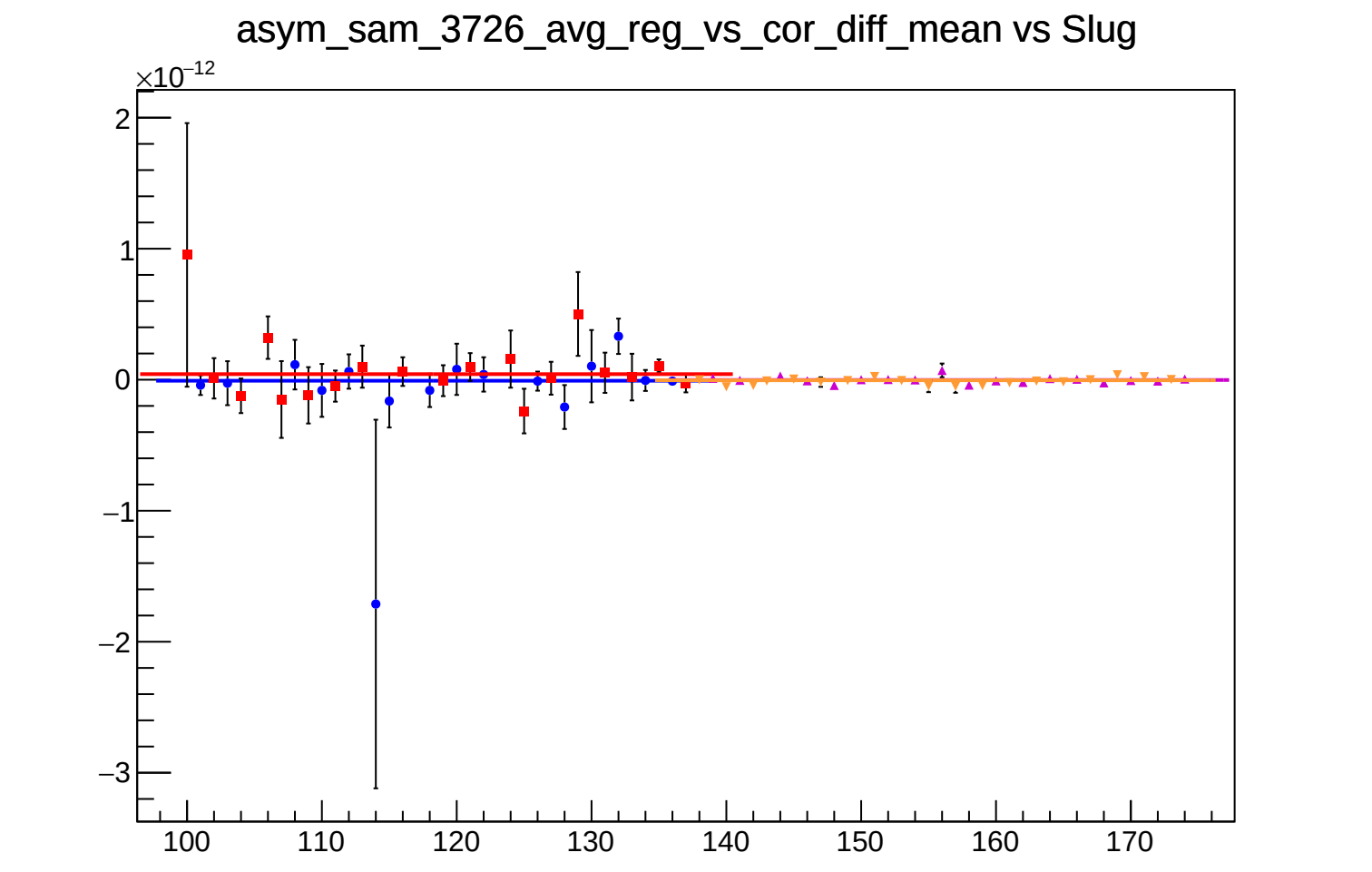
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

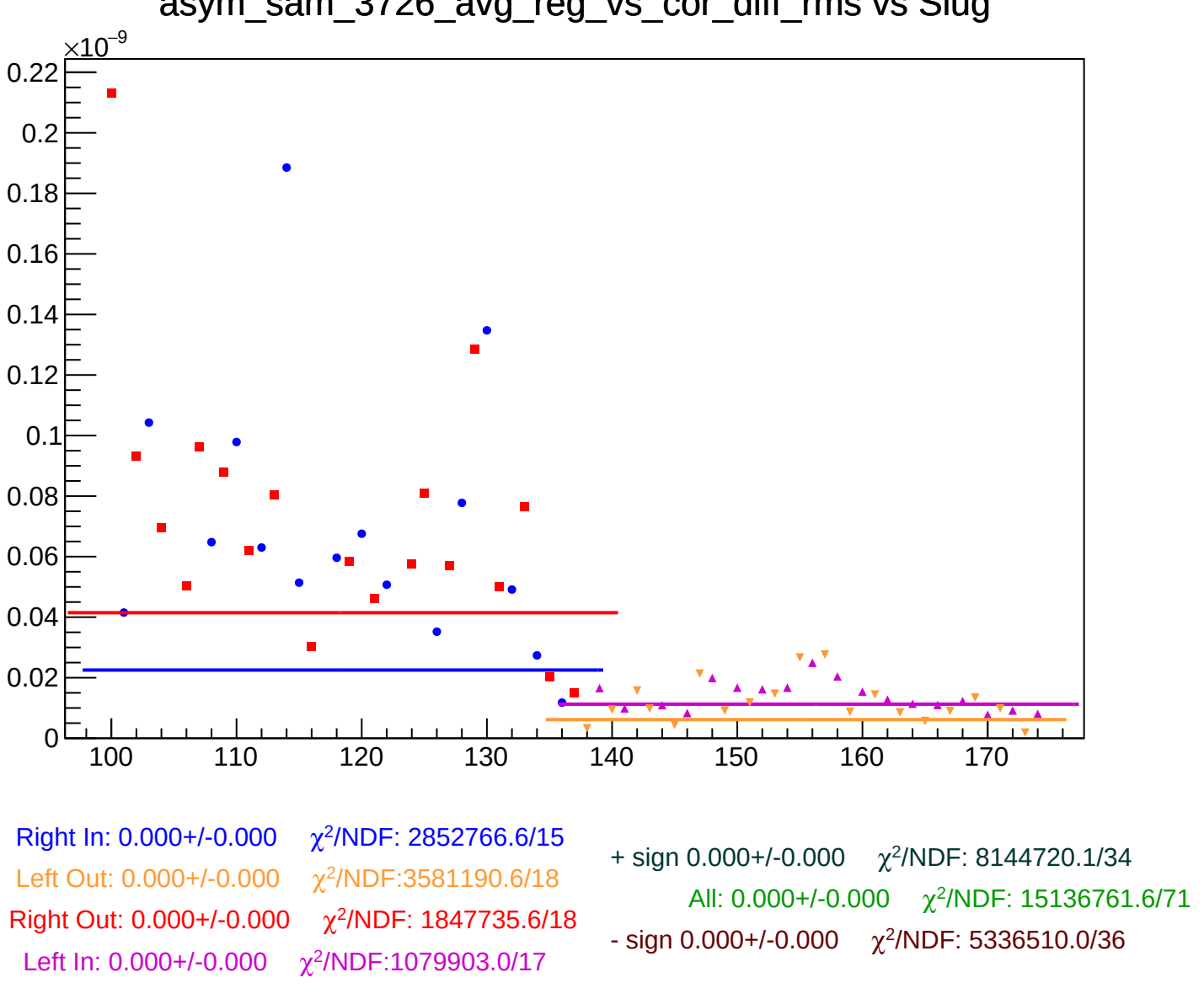
Left In: 501.849+/-0.096 χ^2/NDF:2018867.9/17

+ sign 575.602+/-0.094 χ^2/NDF: 6755543.9/34

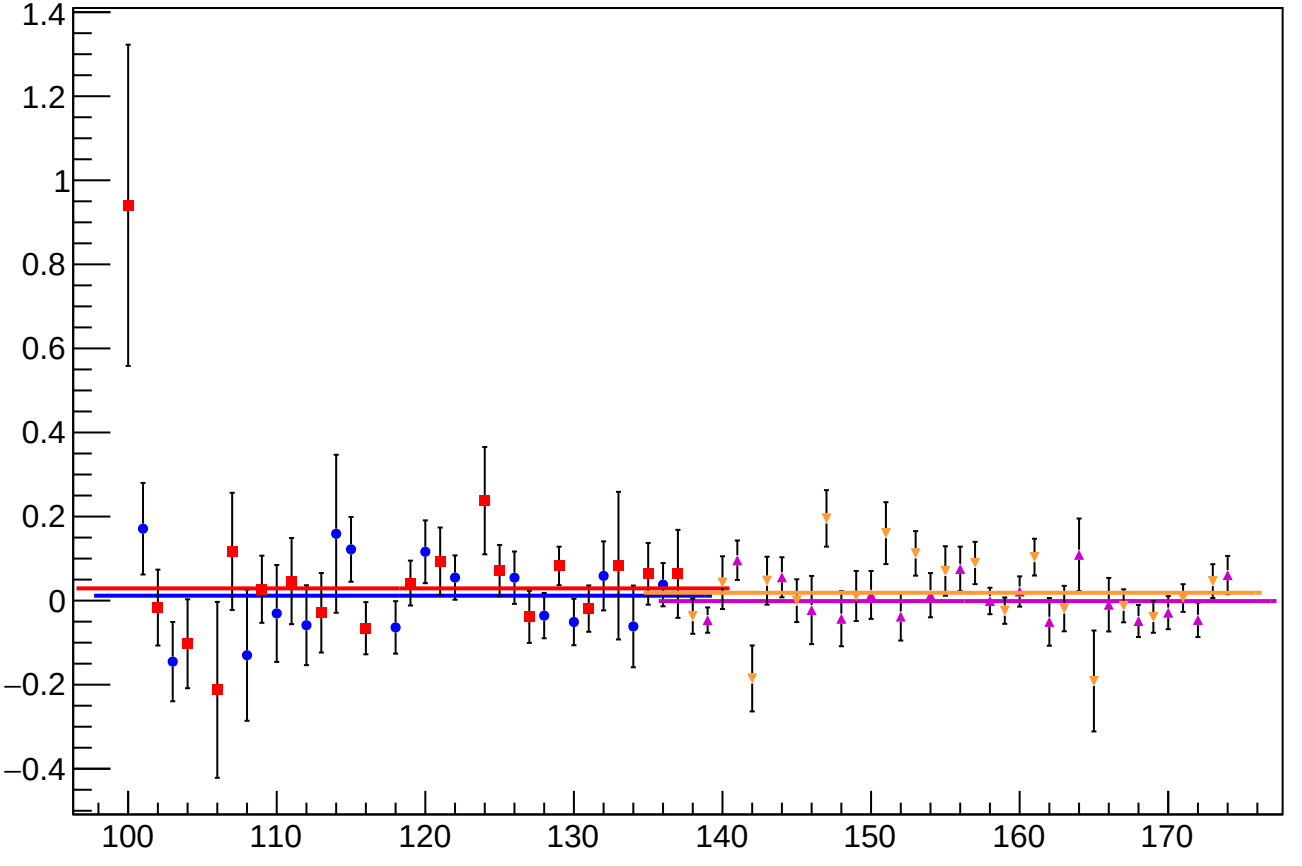
All: 566.956+/-0.066 χ^2/NDF: 14272292.7/71

- sign 558.699+/-0.092 χ^2/NDF: 7500279.8/36


asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.7/15
Left Out: -0.000+/-0.000 χ²/NDF:26.5/18
Right Out: 0.000+/-0.000 χ²/NDF: 15.5/18
Left In: -0.000+/-0.000 χ²/NDF:10.9/17
+ sign -0.000+/-0.000 χ²/NDF: 38.3/34
All: -0.000+/-0.000 χ²/NDF: 67.8/71
- sign -0.000+/-0.000 χ²/NDF: 29.1/36


asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3581190.6/18
Right Out: 0.000+/-0.000 χ²/NDF: 1847735.6/18
Left In: 0.000+/-0.000 χ²/NDF:1079903.0/17
+ sign 0.000+/-0.000 χ²/NDF: 8144720.1/34
All: 0.000+/-0.000 χ²/NDF: 15136761.6/71
- sign 0.000+/-0.000 χ²/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: 0.019+/-0.011 χ^2/NDF:38.3/18

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

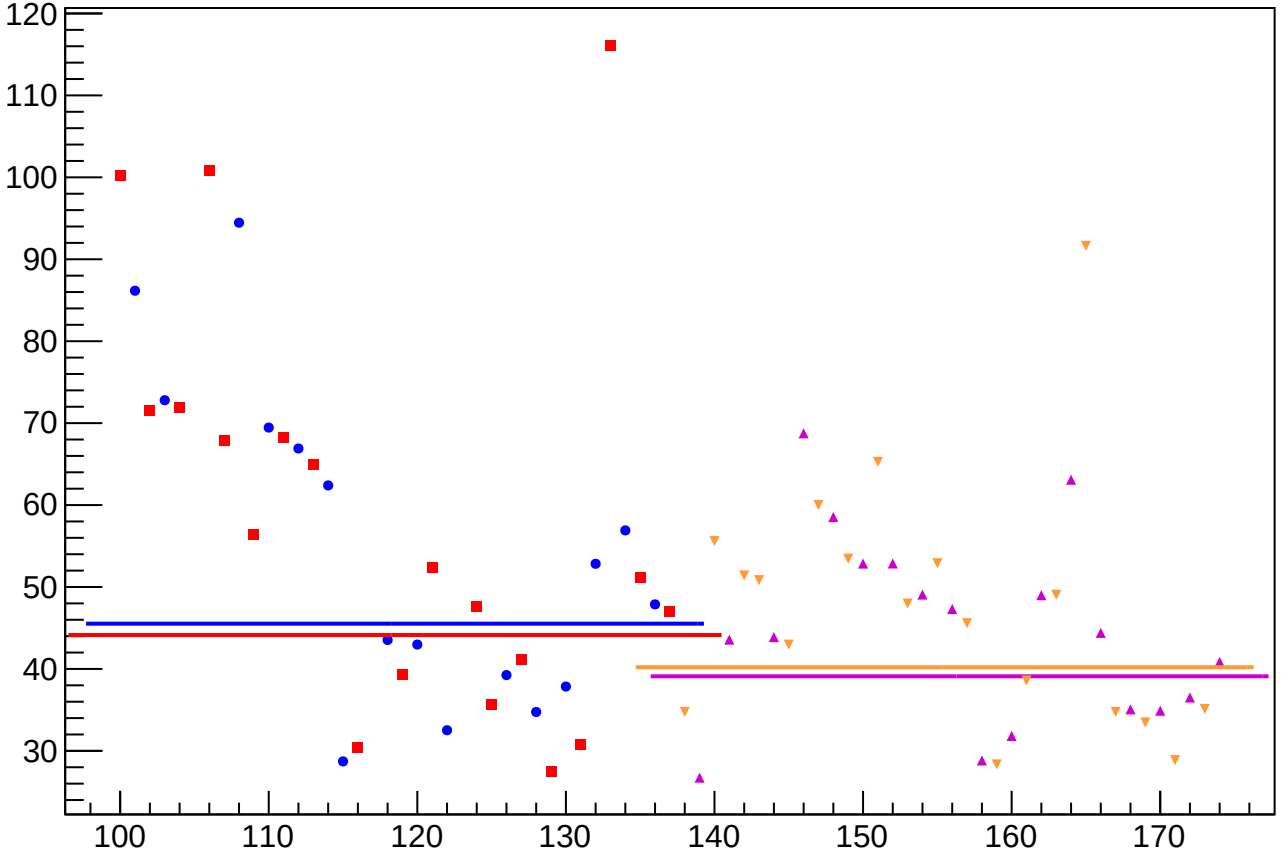
Left In: -0.001+/-0.011 χ^2/NDF:19.0/17

+ sign 0.017+/-0.009 χ^2/NDF: 55.3/34

All: 0.012+/-0.007 χ^2/NDF: 96.5/71

- 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: 40.204+/-0.008 χ^2/NDF:2015790.9/18

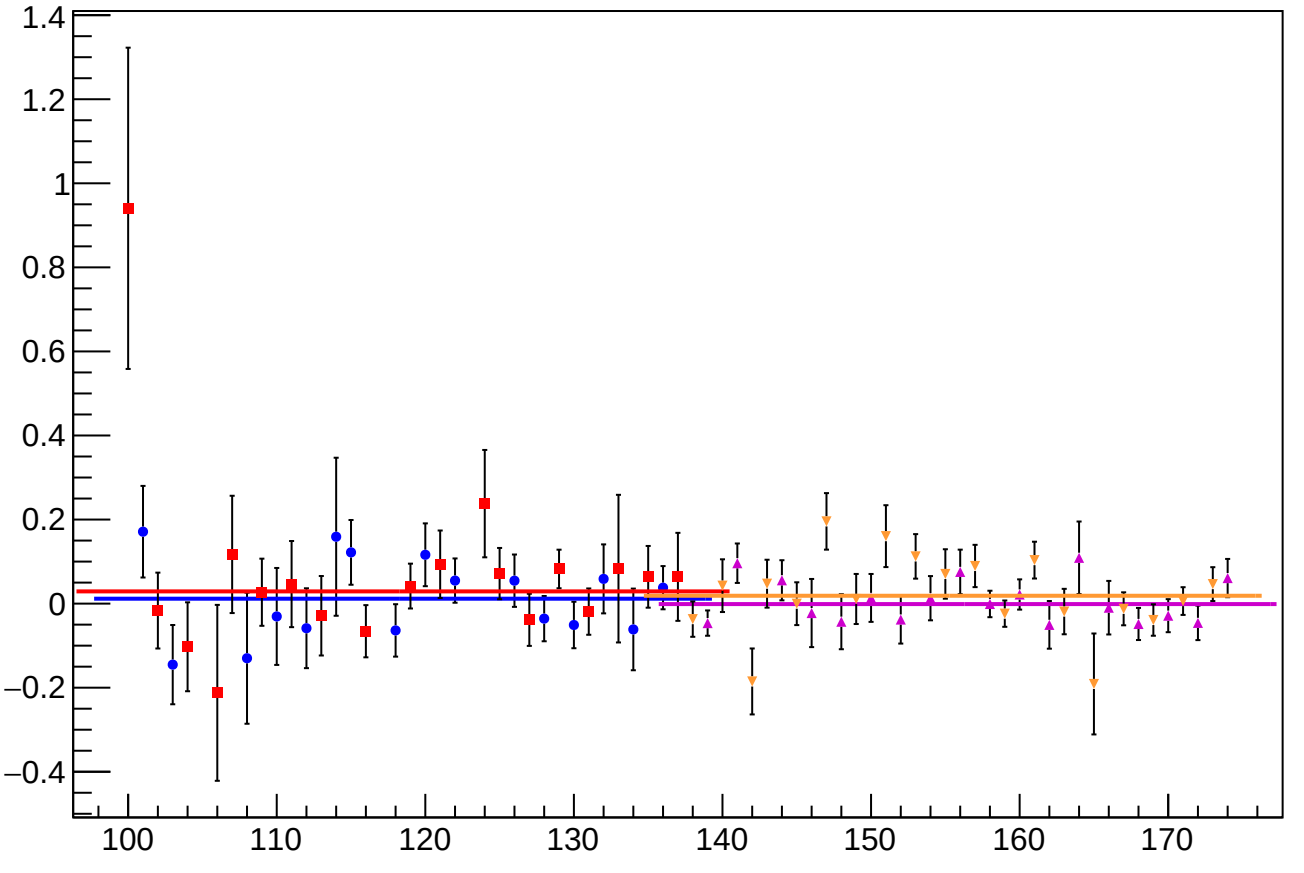
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.099+/-0.008 χ^2/NDF:1752268.7/17

\+ sign 41.615+/-0.007 χ^2/NDF: 3393730.4/34

All: 41.017+/-0.005 χ^2/NDF: 7021726.3/71

\- sign 40.444+/-0.007 χ^2/NDF: 3612260.8/36



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.3/18

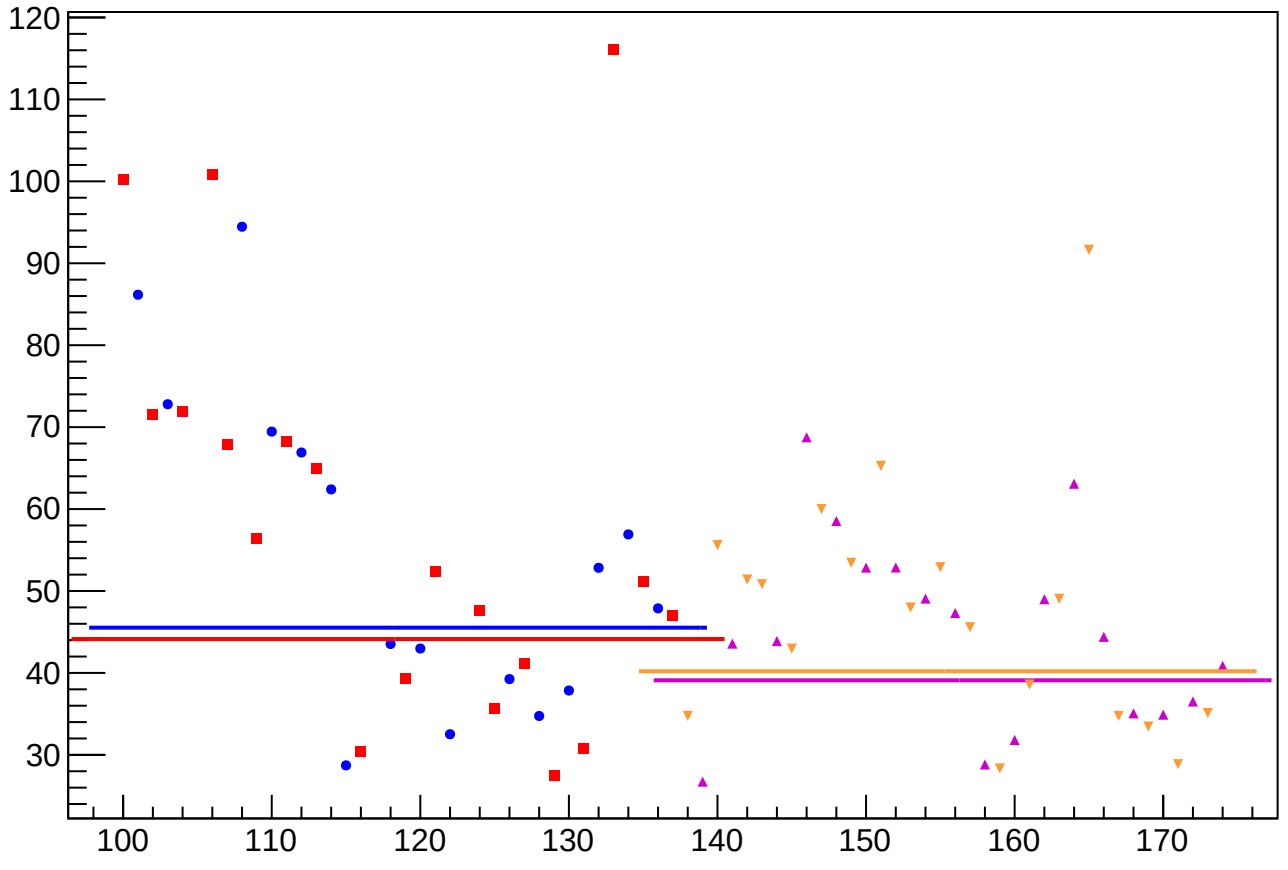
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.011 χ^2/NDF:19.0/17

+ sign 0.017+/-0.009 χ^2/NDF: 55.3/34

All: 0.012+/-0.007 χ^2/NDF: 96.5/71

- 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: 40.204+/-0.008 χ^2/NDF:2015790.9/18

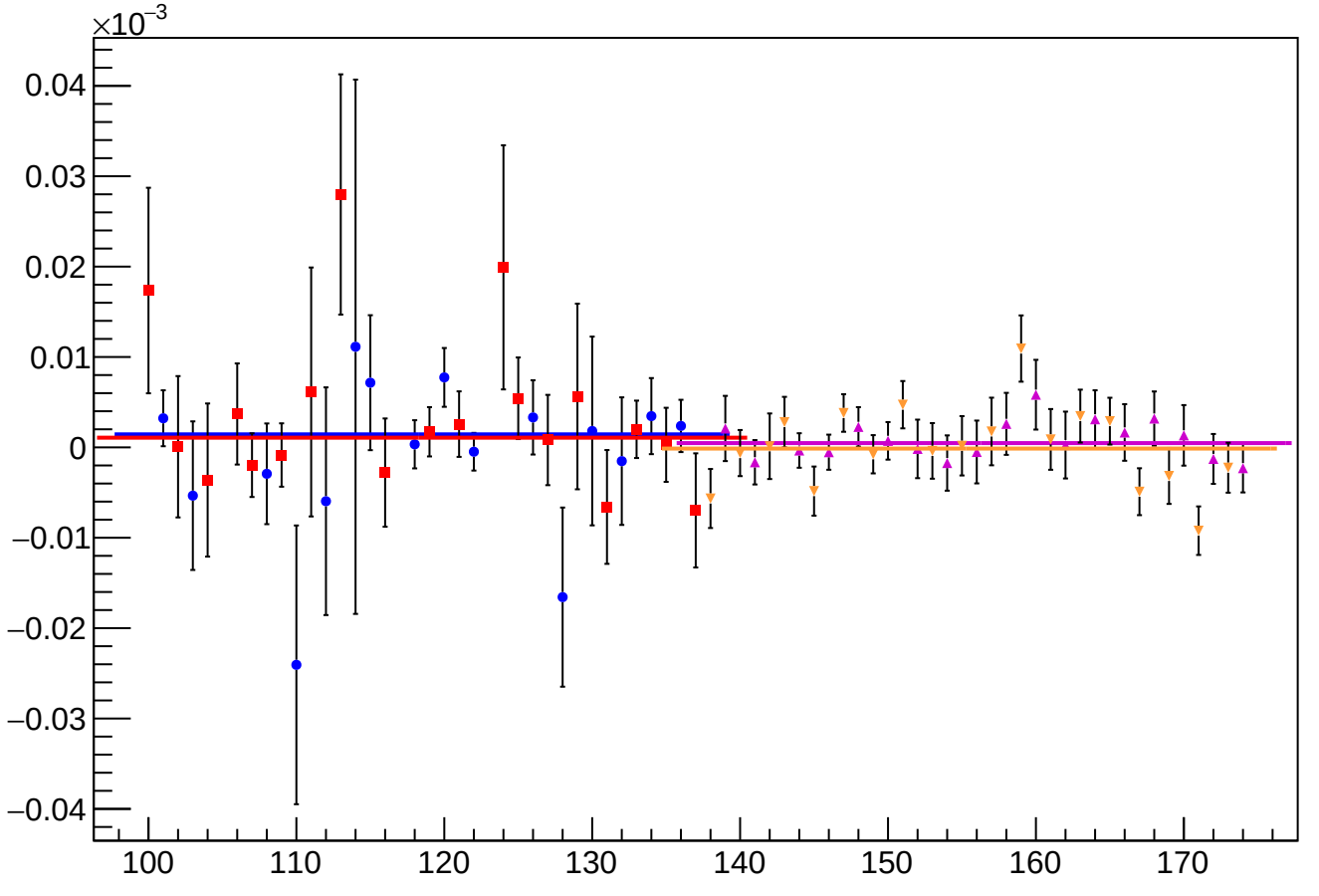
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.099+/-0.008 χ^2/NDF:1752268.7/17

+ sign 41.615+/-0.007 χ^2/NDF: 3393730.4/34

All: 41.017+/-0.005 χ^2/NDF: 7021726.3/71

- 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:42.9/18

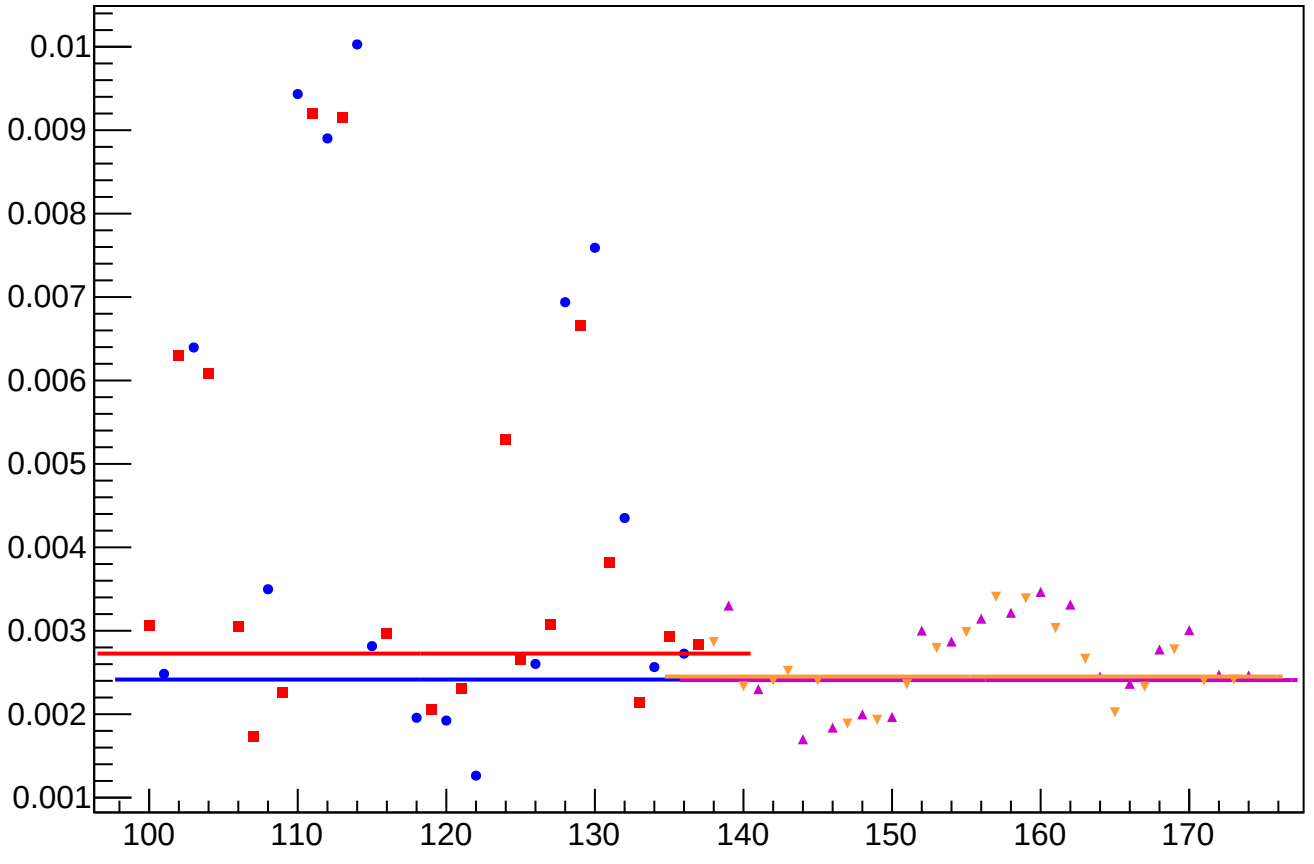
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 58.7/34

All: 0.000+/-0.000 χ^2/NDF: 82.1/71

- 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:801010.1/18

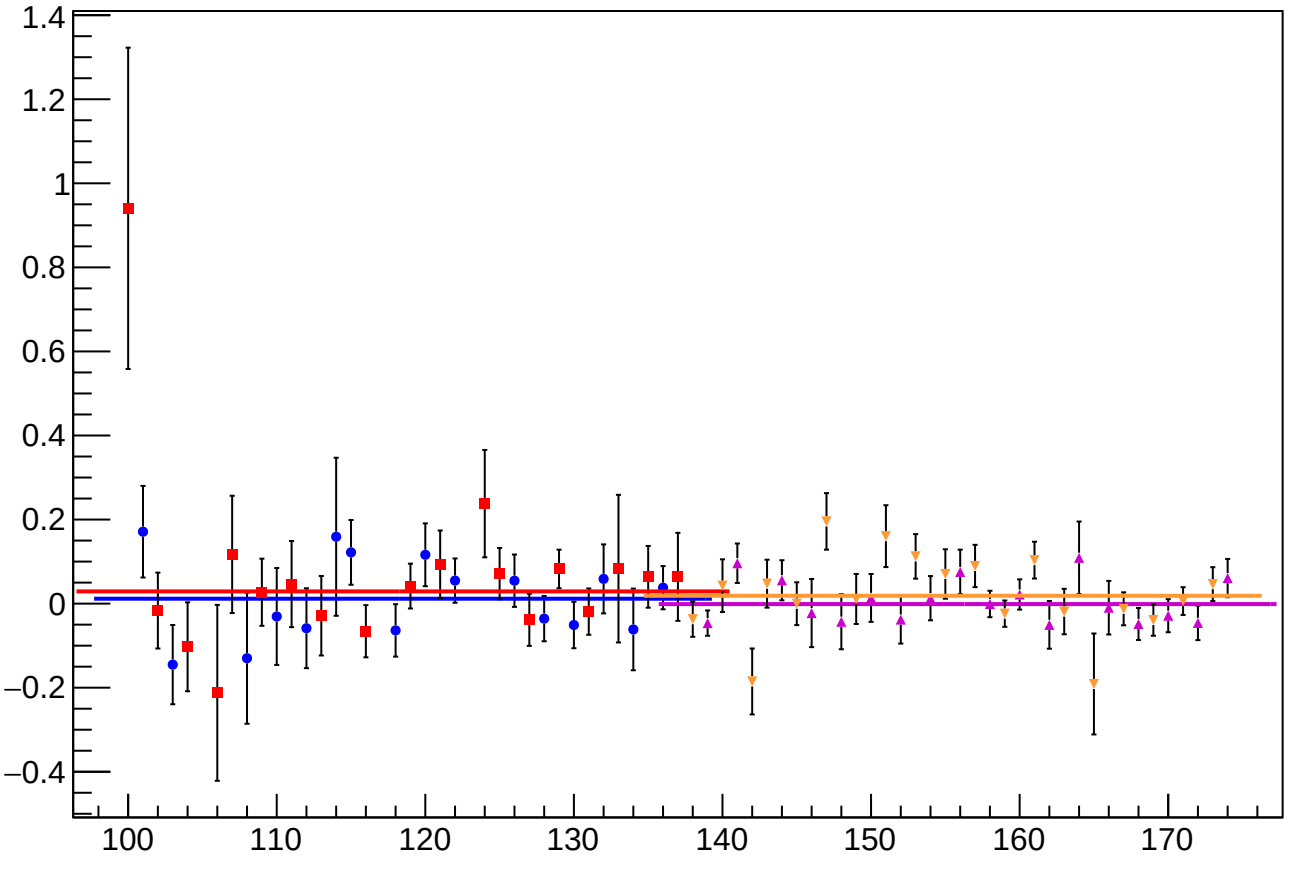
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1415128.2/17

+ sign 0.002+/-0.000 χ^2/NDF: 4234827.3/34

All: 0.002+/-0.000 χ^2/NDF: 8282540.7/71

- 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: 0.019+/-0.011 χ^2/NDF:38.3/18

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

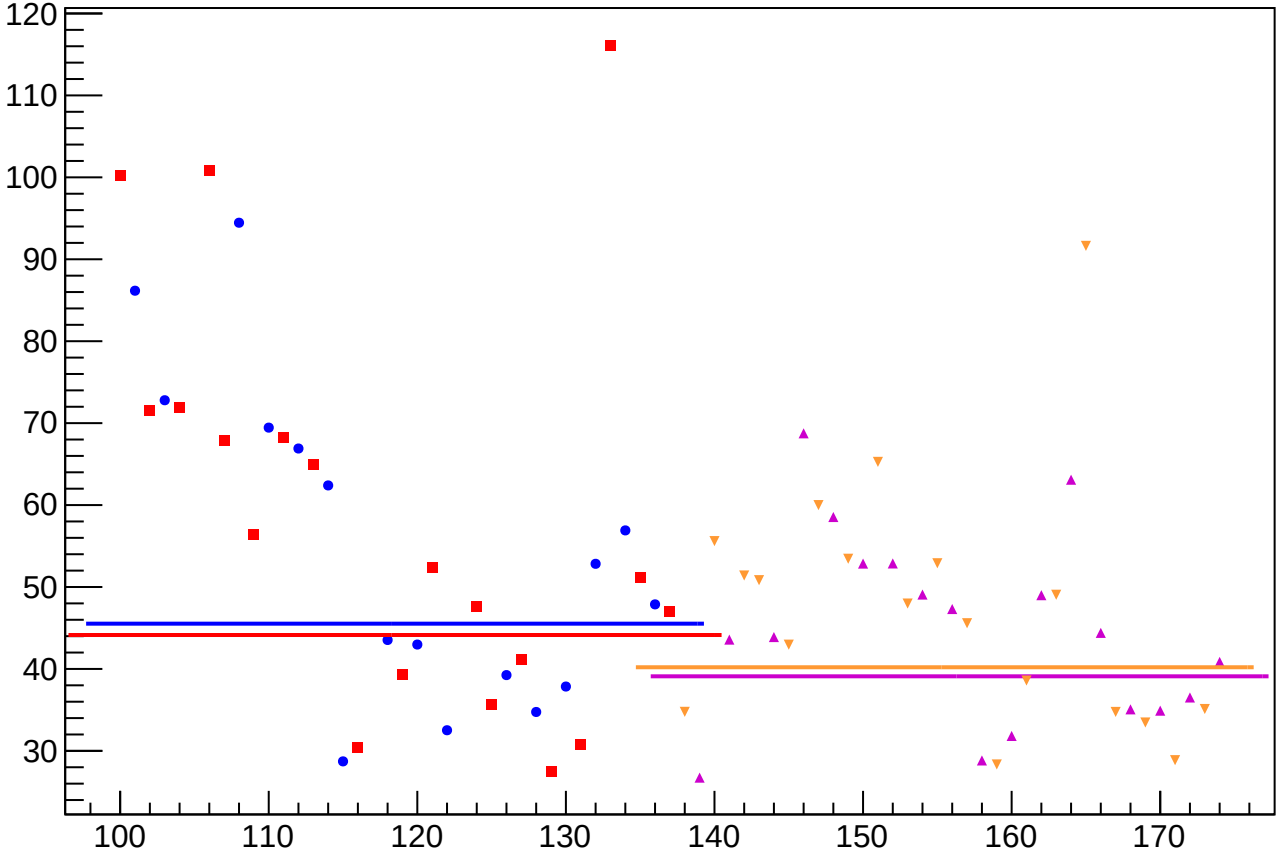
Left In: -0.001+/-0.011 χ^2/NDF:19.0/17

+ sign 0.017+/-0.009 χ^2/NDF: 55.3/34

All: 0.012+/-0.007 χ^2/NDF: 96.5/71

- 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: 40.205+/-0.008 χ^2/NDF:2015819.3/18

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

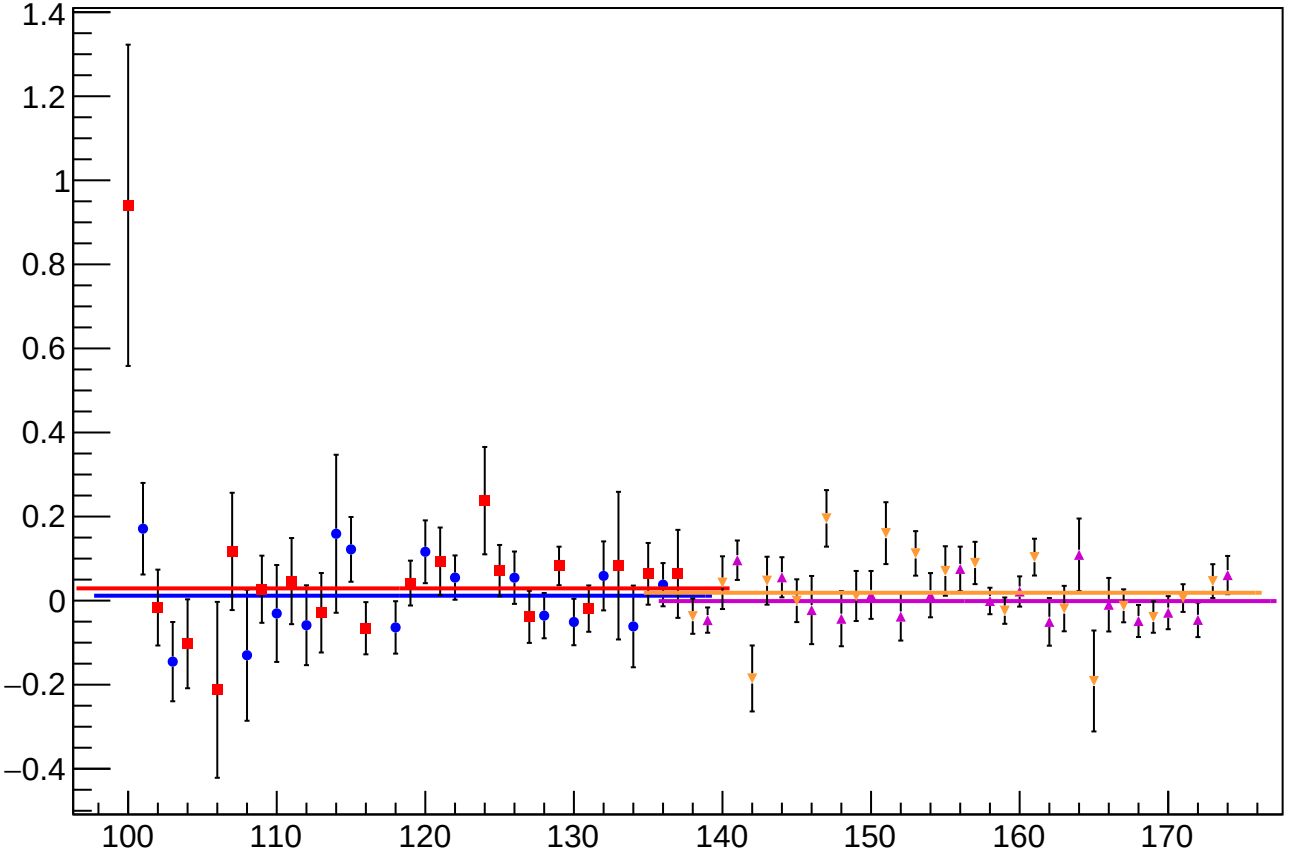
Left In: 39.100+/-0.008 χ^2/NDF:1752309.8/17

\+ sign 41.615+/-0.007 χ^2/NDF: 3393701.5/34

All: 41.018+/-0.005 χ^2/NDF: 7021654.7/71

\- 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: 0.019+/-0.011 χ^2/NDF:38.3/18

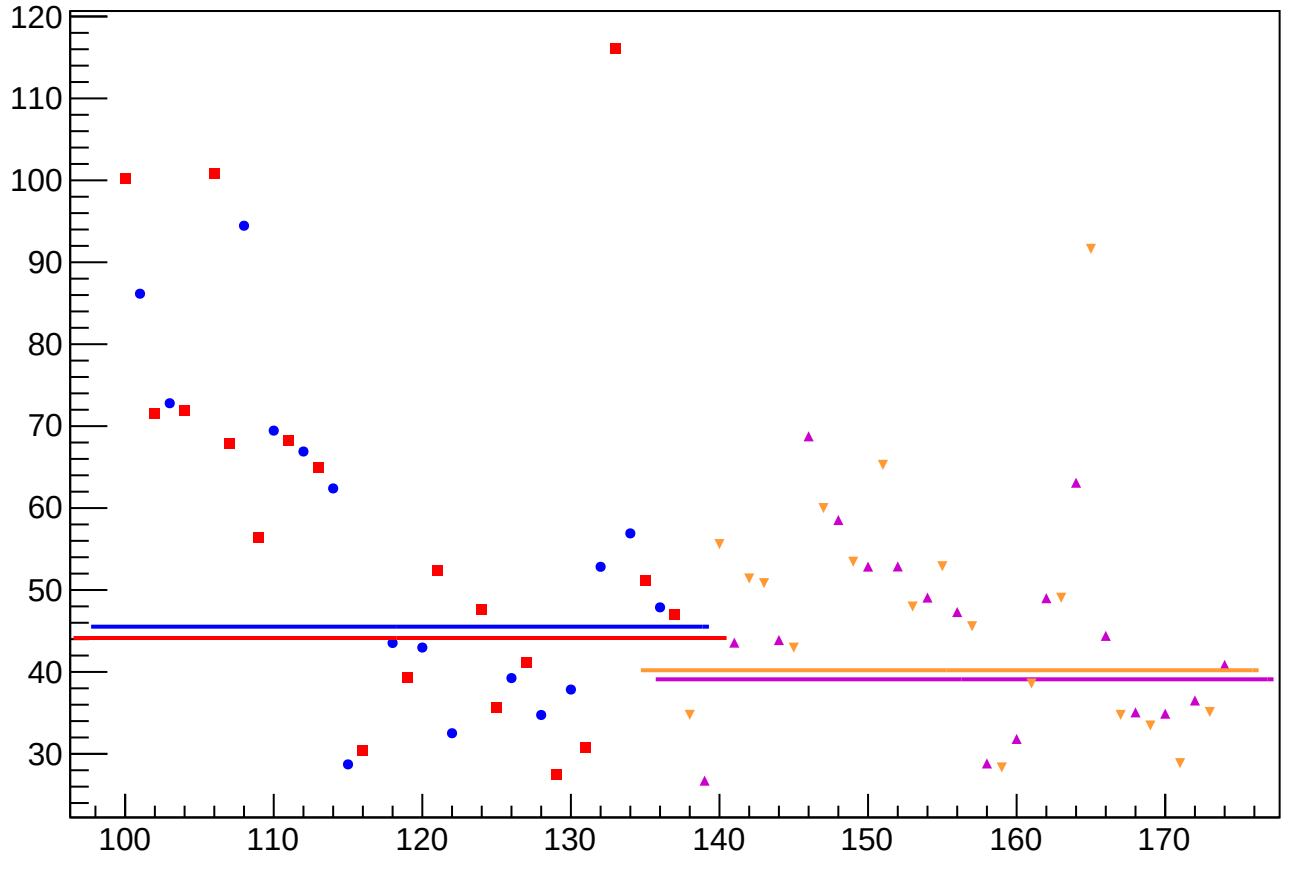
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.011 χ^2/NDF:19.0/17

+ sign 0.017+/-0.009 χ^2/NDF: 55.3/34

All: 0.012+/-0.007 χ^2/NDF: 96.5/71

- 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: 40.205+/-0.008 χ^2/NDF:2015819.3/18

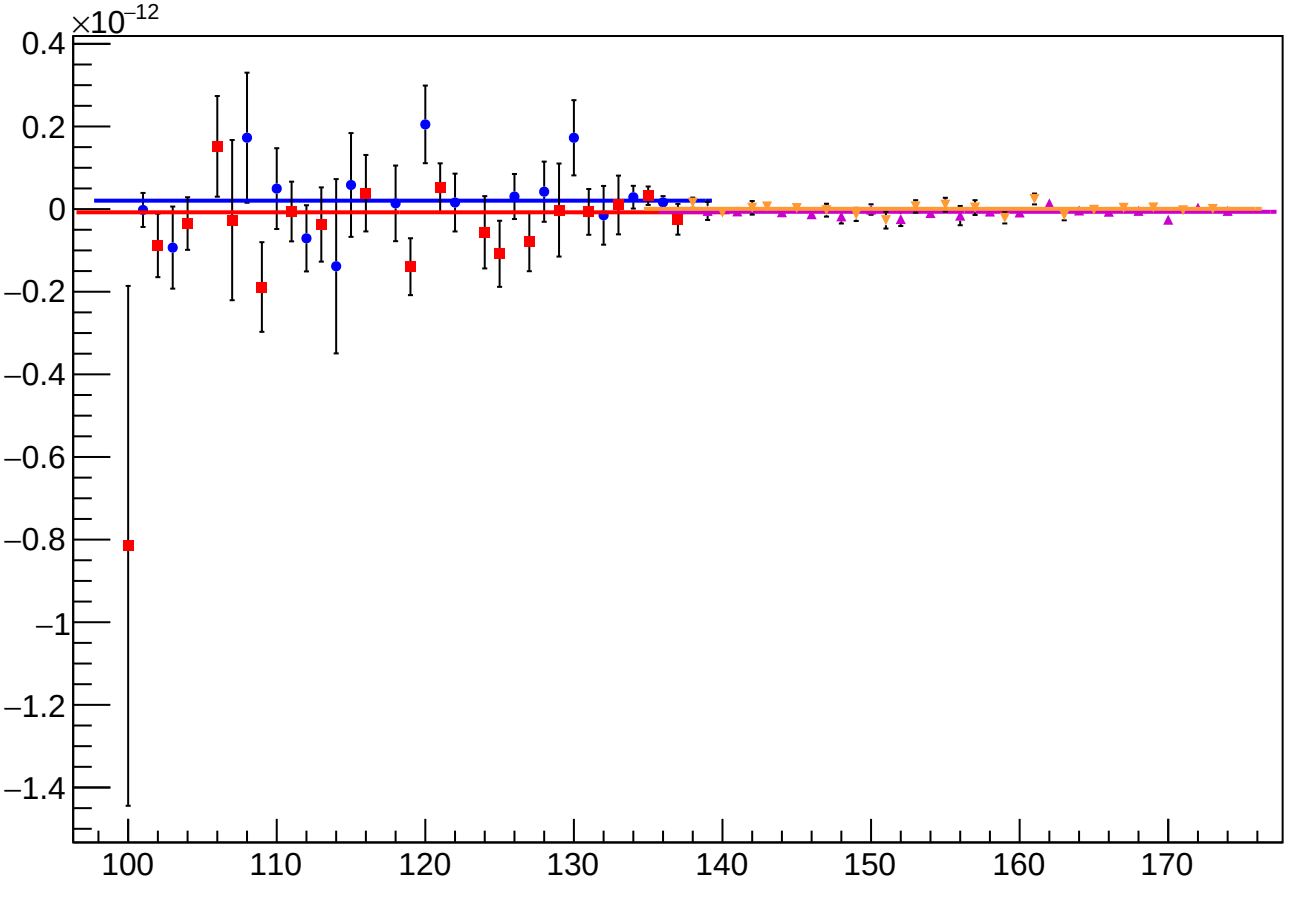
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.100+/-0.008 χ^2/NDF:1752309.8/17

+ sign 41.615+/-0.007 χ^2/NDF: 3393701.5/34

All: 41.018+/-0.005 χ^2/NDF: 7021654.7/71

- 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:13.7/18

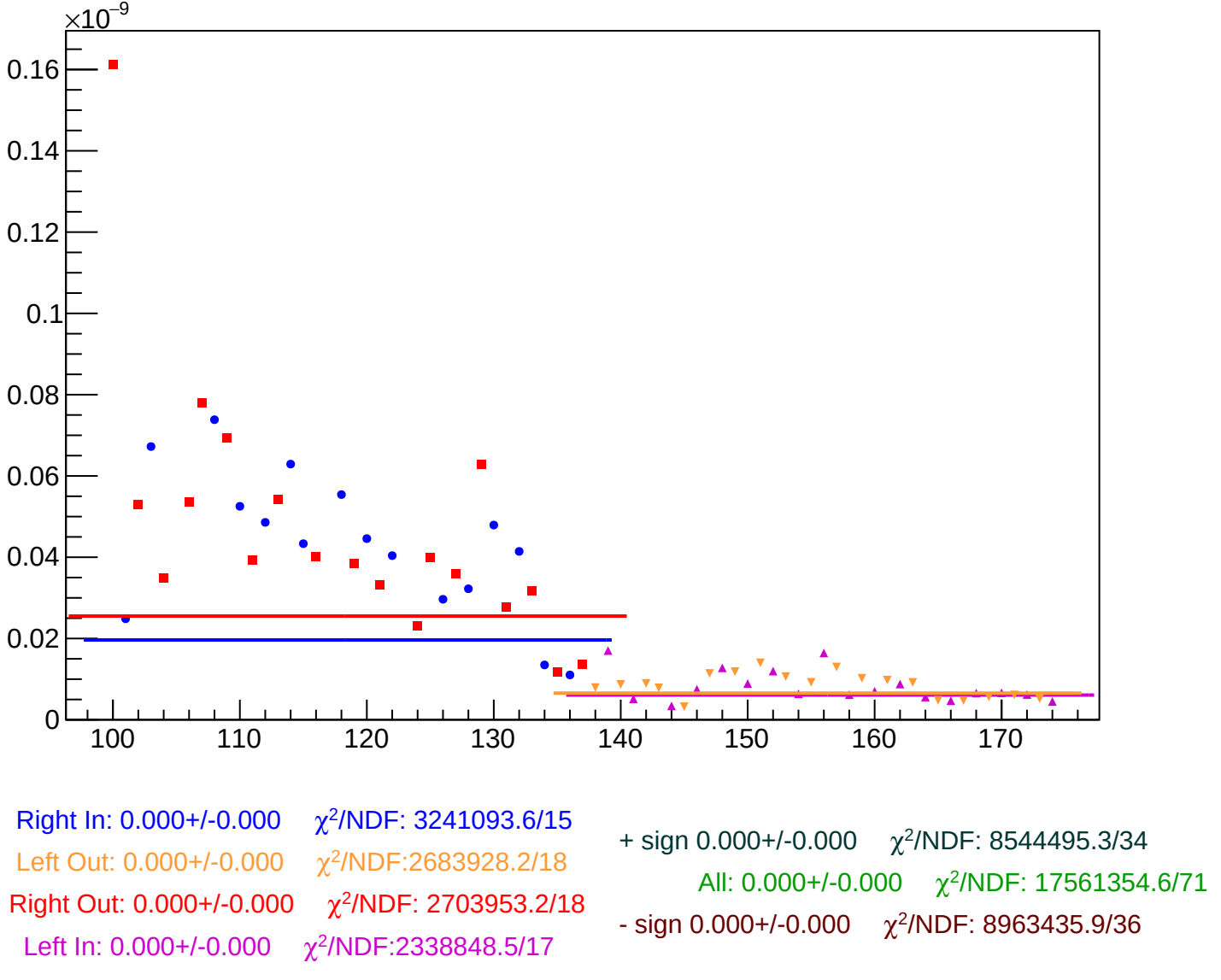
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:11.3/17

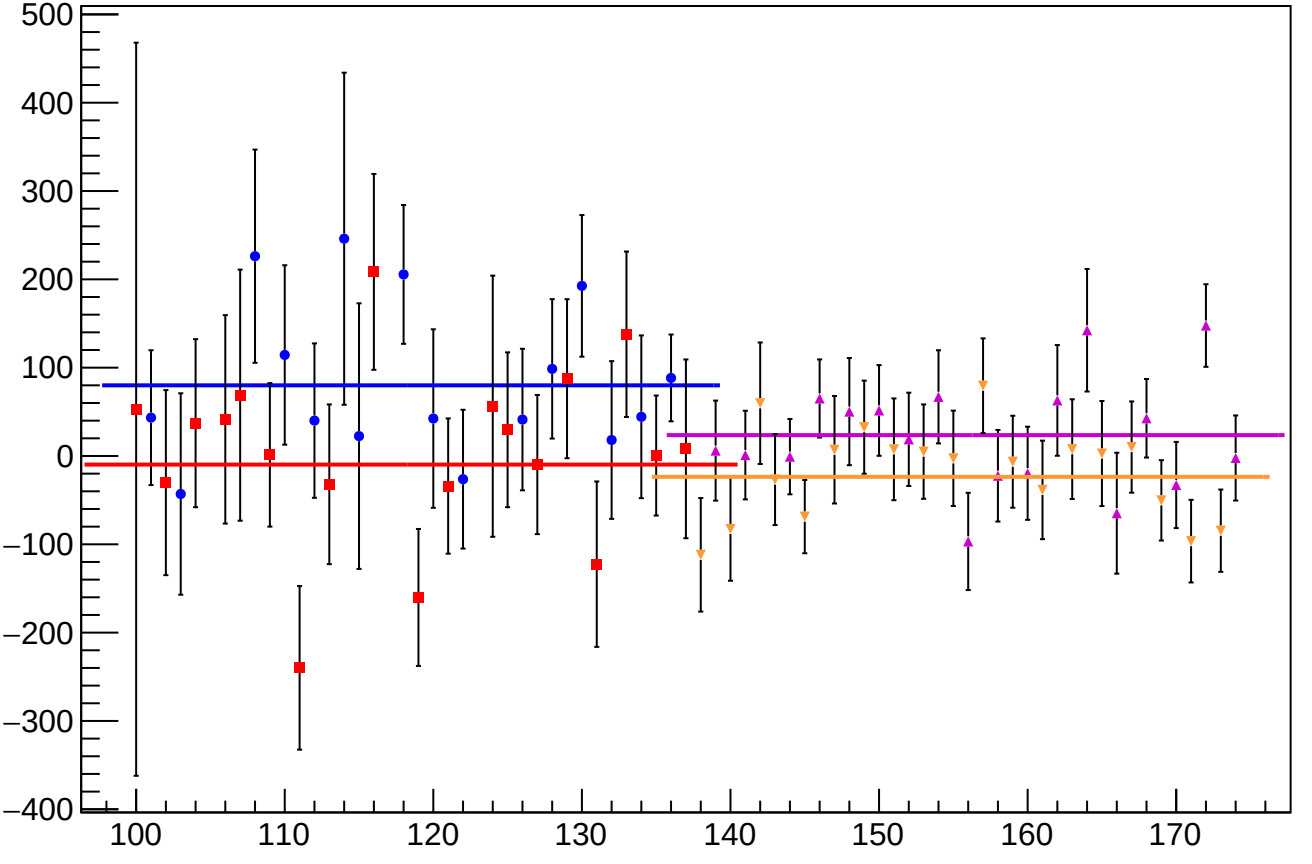
+ sign 0.000+/-0.000 χ^2/NDF: 28.5/34

All: -0.000+/-0.000 χ^2/NDF: 64.8/71

- 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:2683928.2/18
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: 8544495.3/34
All: 0.000+/-0.000 χ²/NDF: 17561354.6/71
- 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: -23.621+/-12.183 χ^2/NDF:17.0/18

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

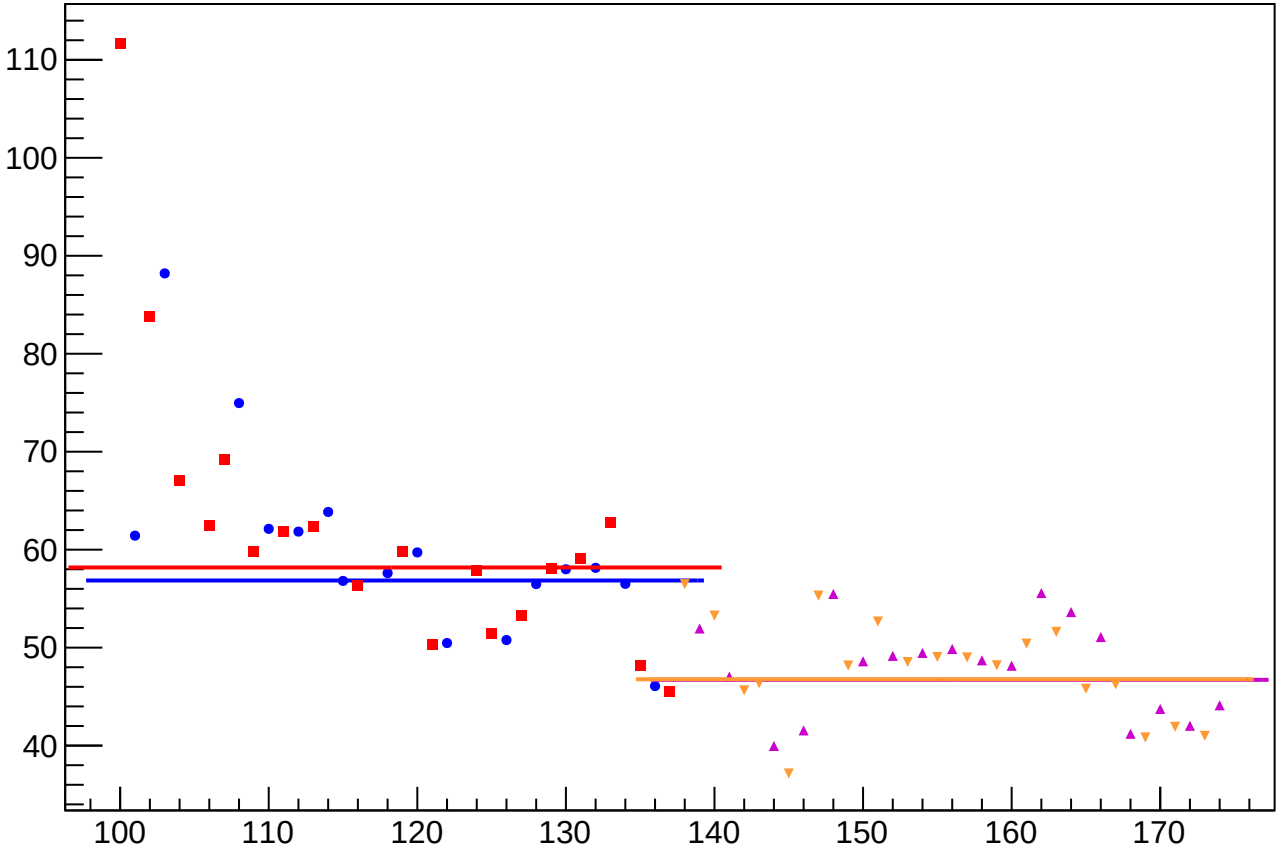
Left In: 23.644+/-12.225 χ^2/NDF:22.8/17

+ sign 1.608+/-10.597 χ^2/NDF: 46.1/34

All: 8.553+/-7.509 χ^2/NDF: 91.9/71

- 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: 46.772+/-0.009 χ^2/NDF:361071.1/18

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

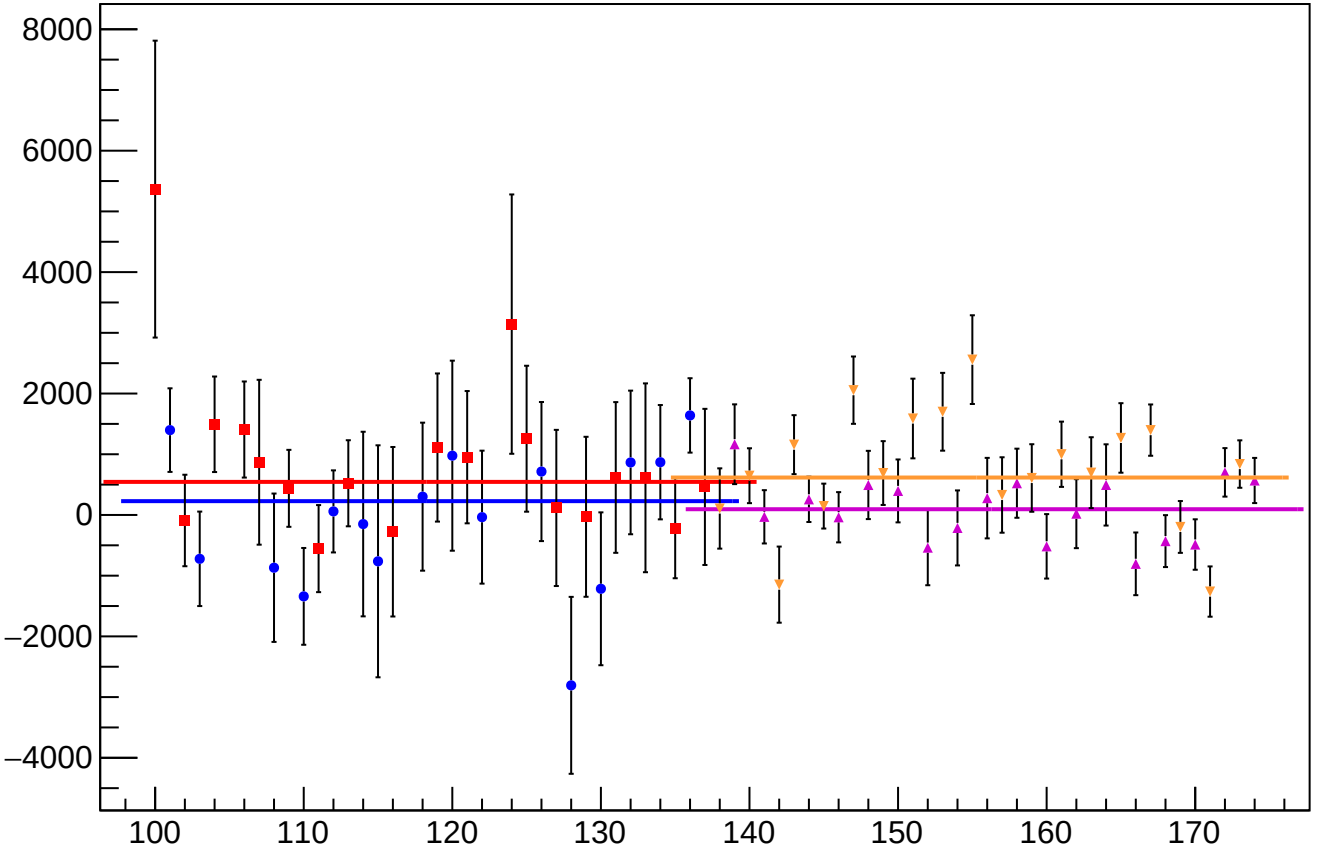
Left In: 46.714+/-0.009 χ^2/NDF:291815.0/17

+ sign 49.227+/-0.007 χ^2/NDF: 1036219.6/34

All: 49.359+/-0.005 χ^2/NDF: 2069733.4/71

- 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: 616.626+/-116.628 χ^2/NDF:60.2/18

Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

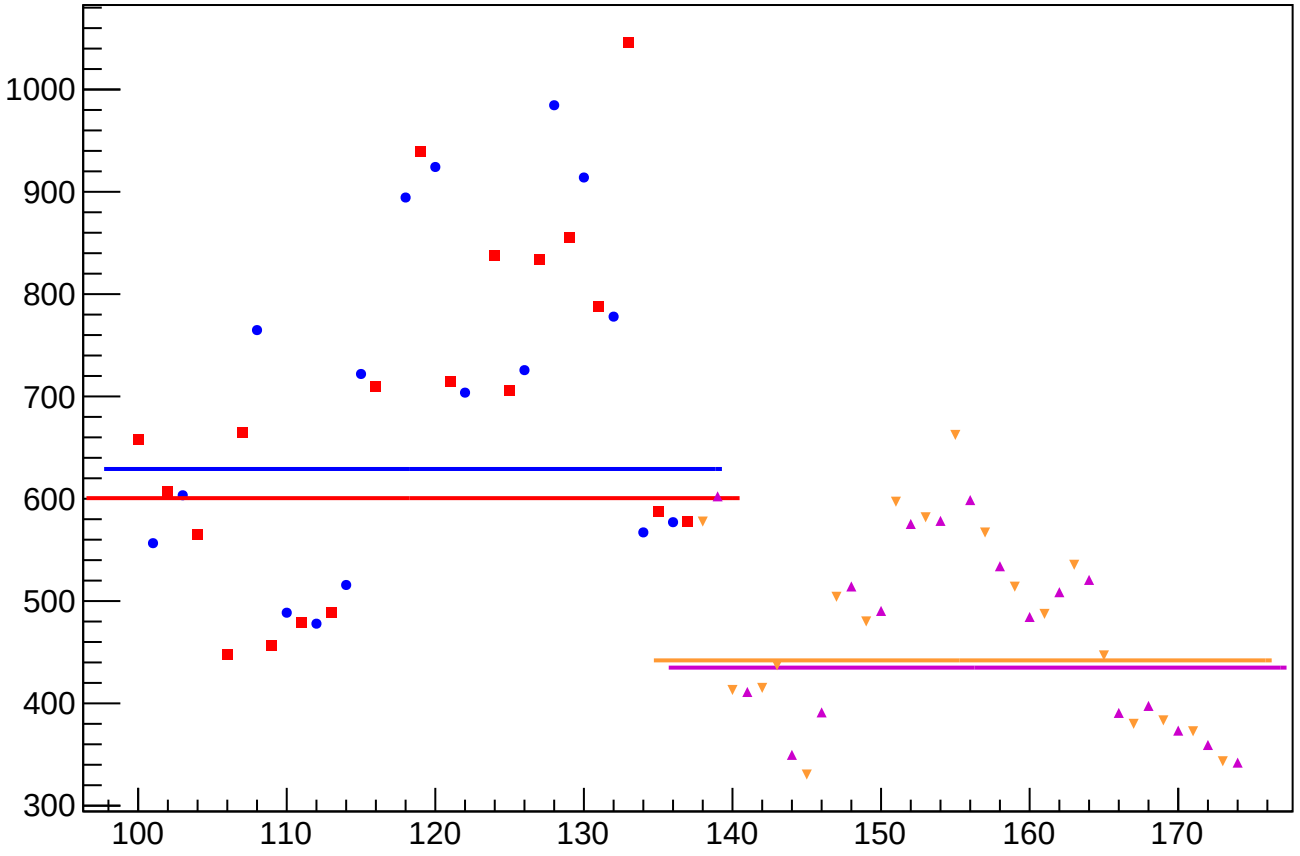
Left In: 94.535+/-115.188 χ^2/NDF:17.9/17

\+ sign 542.901+/-105.000 χ^2/NDF: 84.0/34

All: 360.864+/-73.435 χ^2/NDF: 124.3/71

\- sign 186.571+/-102.742 χ^2/NDF: 34.4/36

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 442.020+/-0.082 χ^2/NDF:1147138.6/18

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

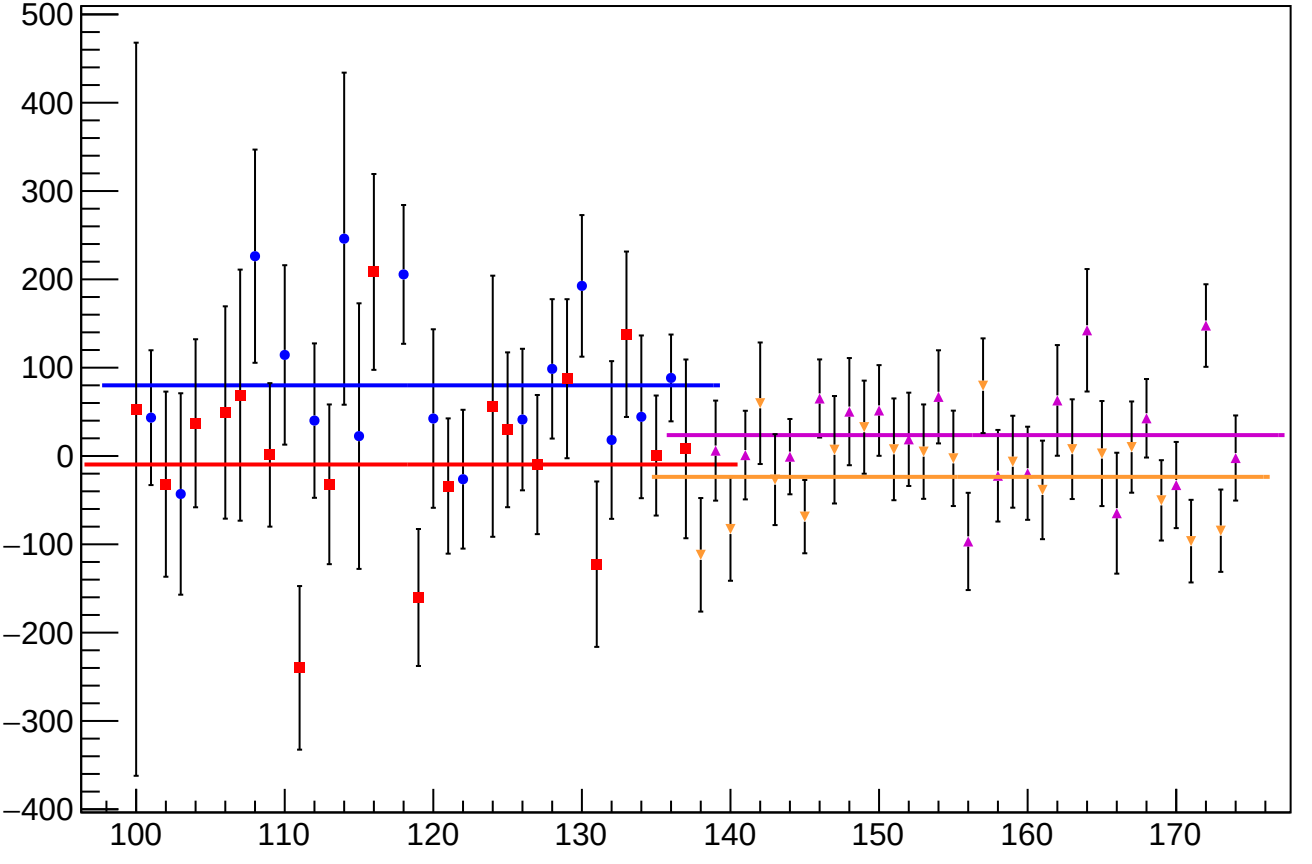
Left In: 434.943+/-0.081 χ^2/NDF:1072258.5/17

+ sign 477.465+/-0.074 χ^2/NDF: 2814832.0/34

All: 473.041+/-0.052 χ^2/NDF: 5614167.8/71

- 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: -23.623+/-12.183 χ^2/NDF:17.0/18

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

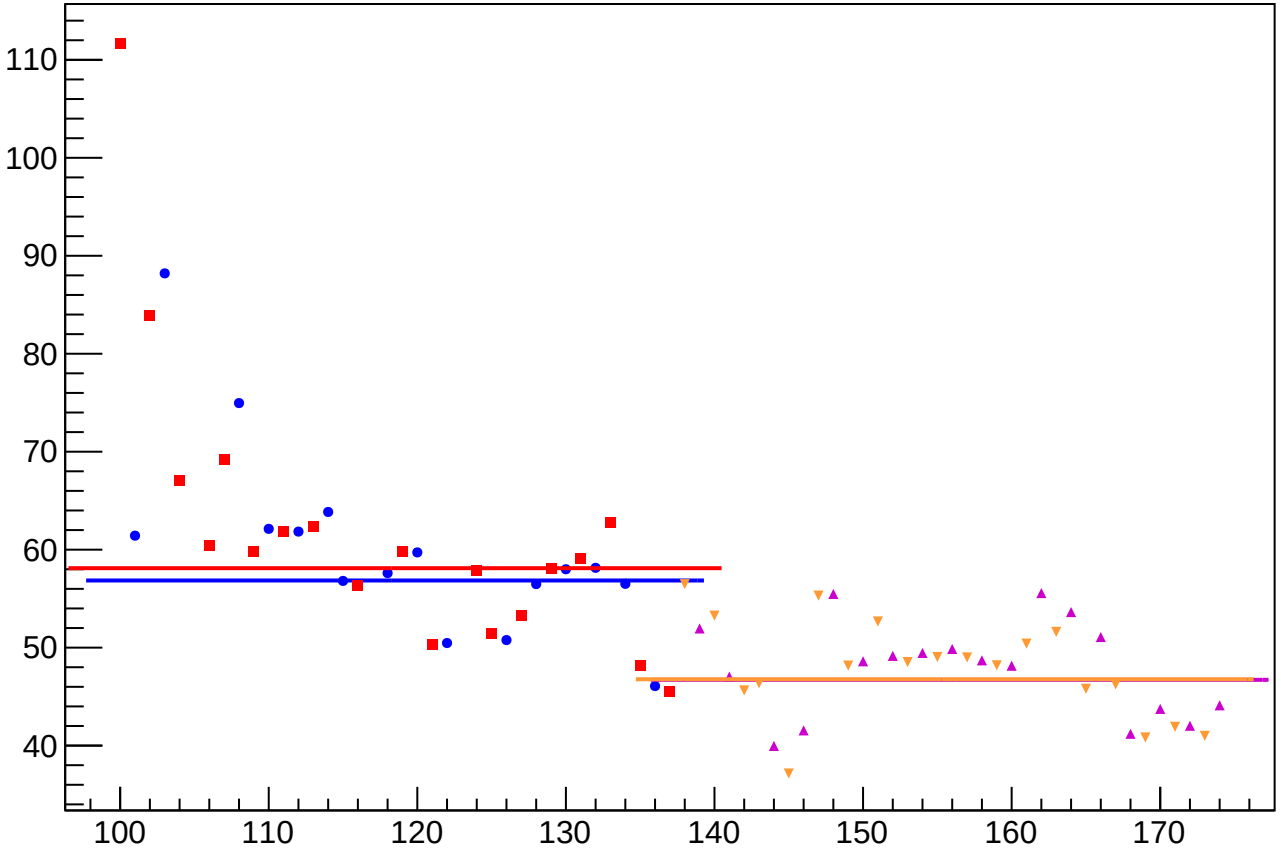
Left In: 23.644+/-12.225 χ^2/NDF:22.8/17

+ sign 1.608+/-10.597 χ^2/NDF: 46.1/34

All: 8.569+/-7.509 χ^2/NDF: 92.0/71

- 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: 46.772+/-0.009 χ^2/NDF:361071.1/18

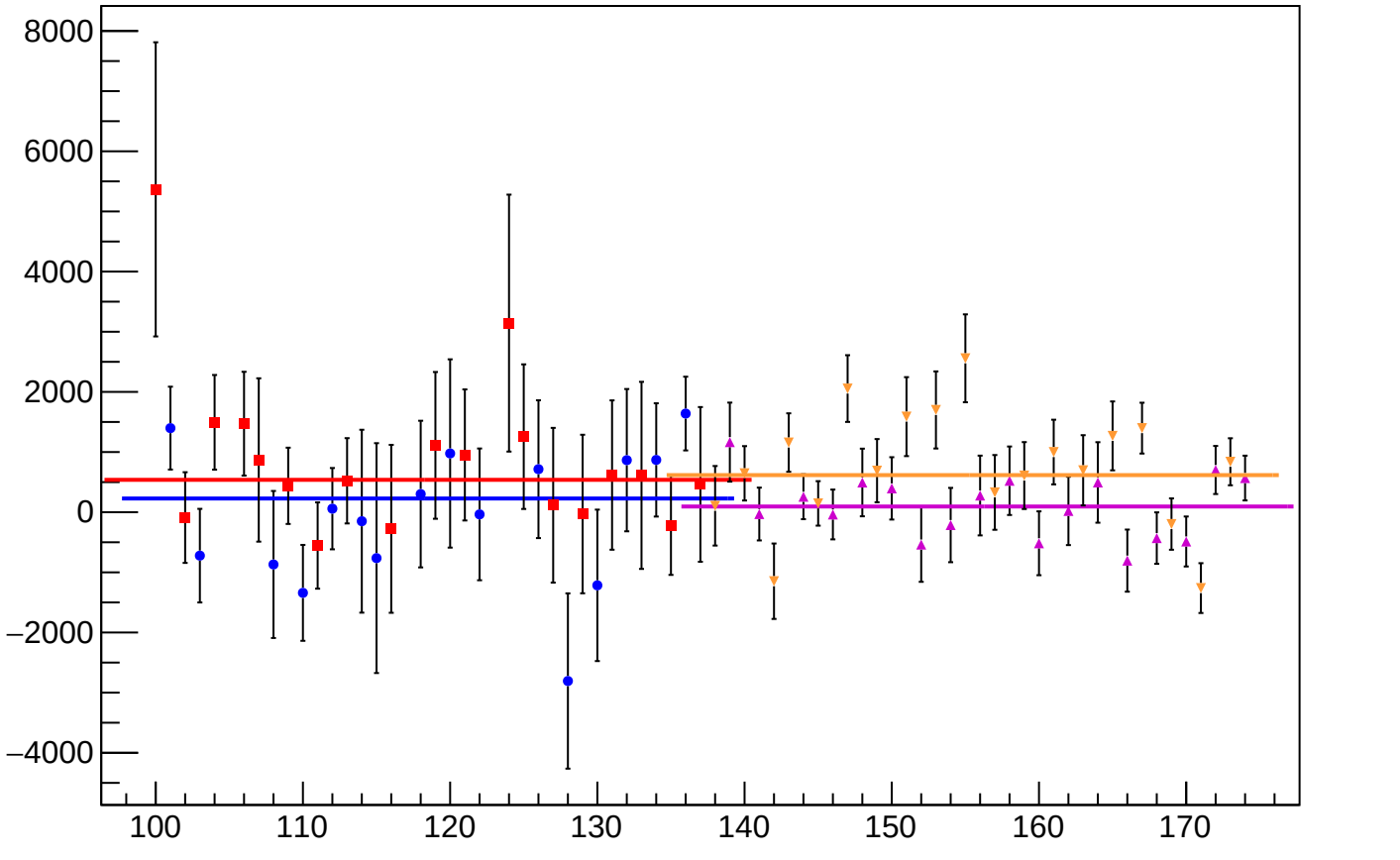
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.714+/-0.009 χ^2/NDF:291815.0/17

+ sign 49.227+/-0.007 χ^2/NDF: 1036223.6/34

All: 49.349+/-0.005 χ^2/NDF: 2062280.9/71

- 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: 616.624+/-116.628 χ^2/NDF:60.2/18

Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

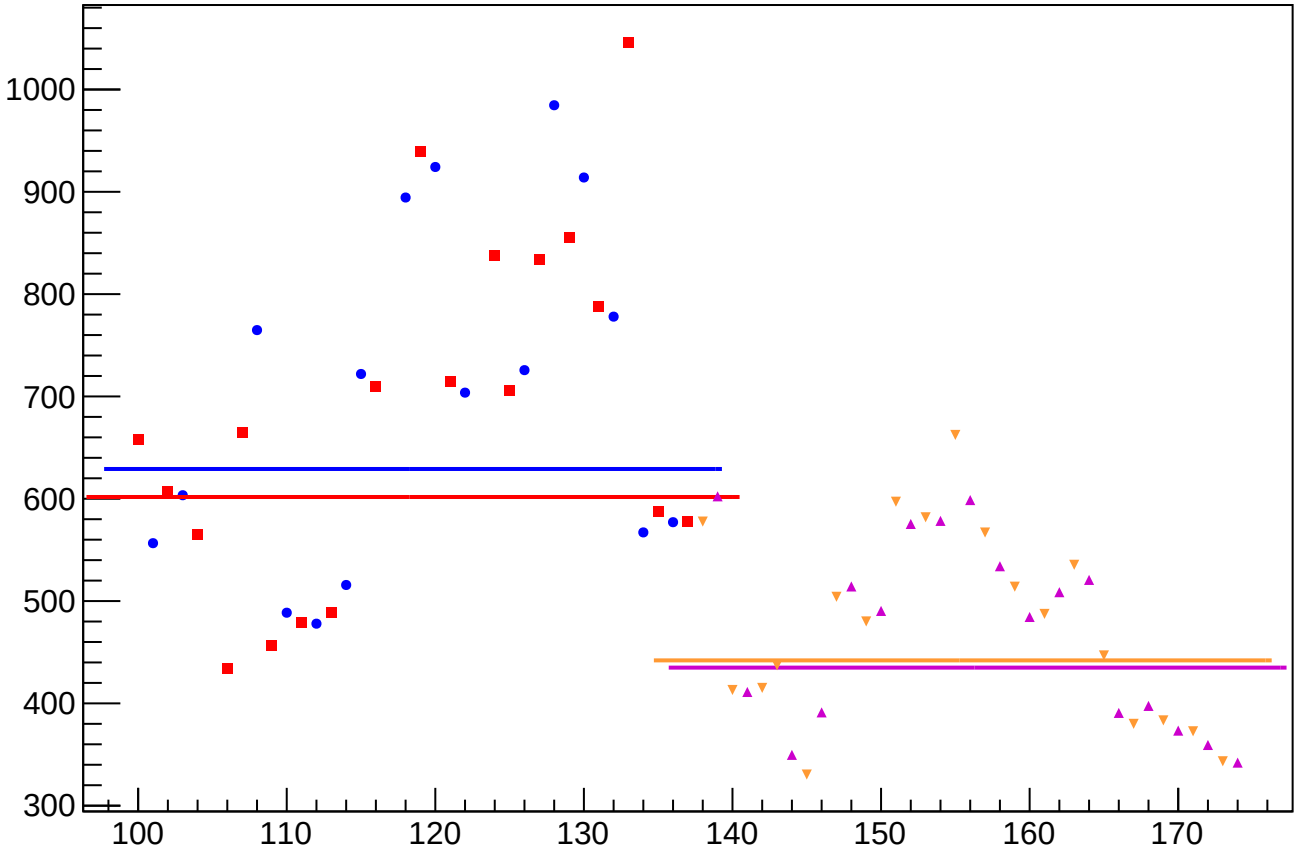
Left In: 94.538+/-115.188 χ^2/NDF:17.9/17

\+ sign 542.908+/-105.000 χ^2/NDF: 84.0/34

All: 359.929+/-73.486 χ^2/NDF: 124.2/71

\- 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: 442.020+/-0.082 χ^2/NDF:1147138.4/18

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

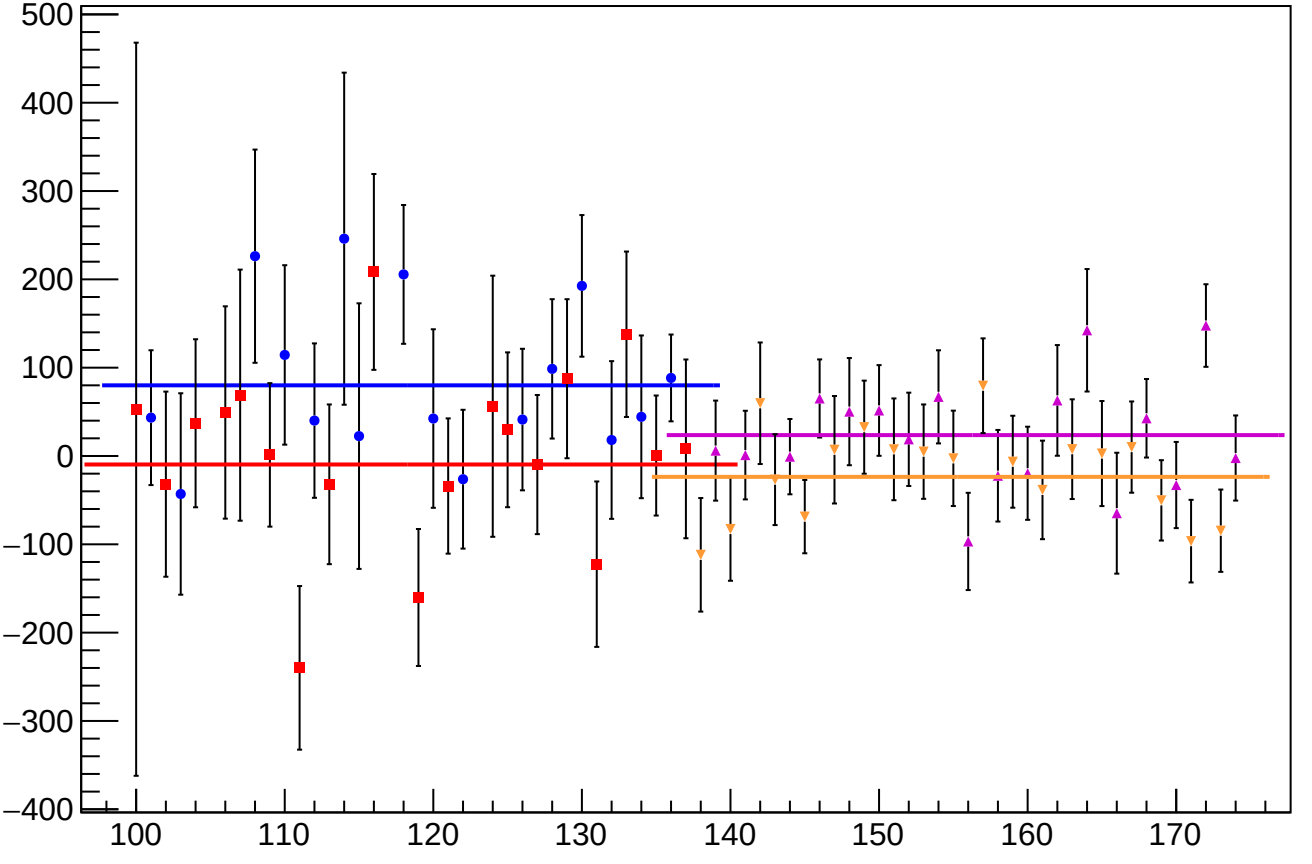
Left In: 434.943+/-0.081 χ^2/NDF:1072258.2/17

+ sign 477.465+/-0.074 χ^2/NDF: 2814862.4/34

All: 472.982+/-0.052 χ^2/NDF: 5616365.8/71

- 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: -23.623+/-12.183 χ^2/NDF:17.0/18

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

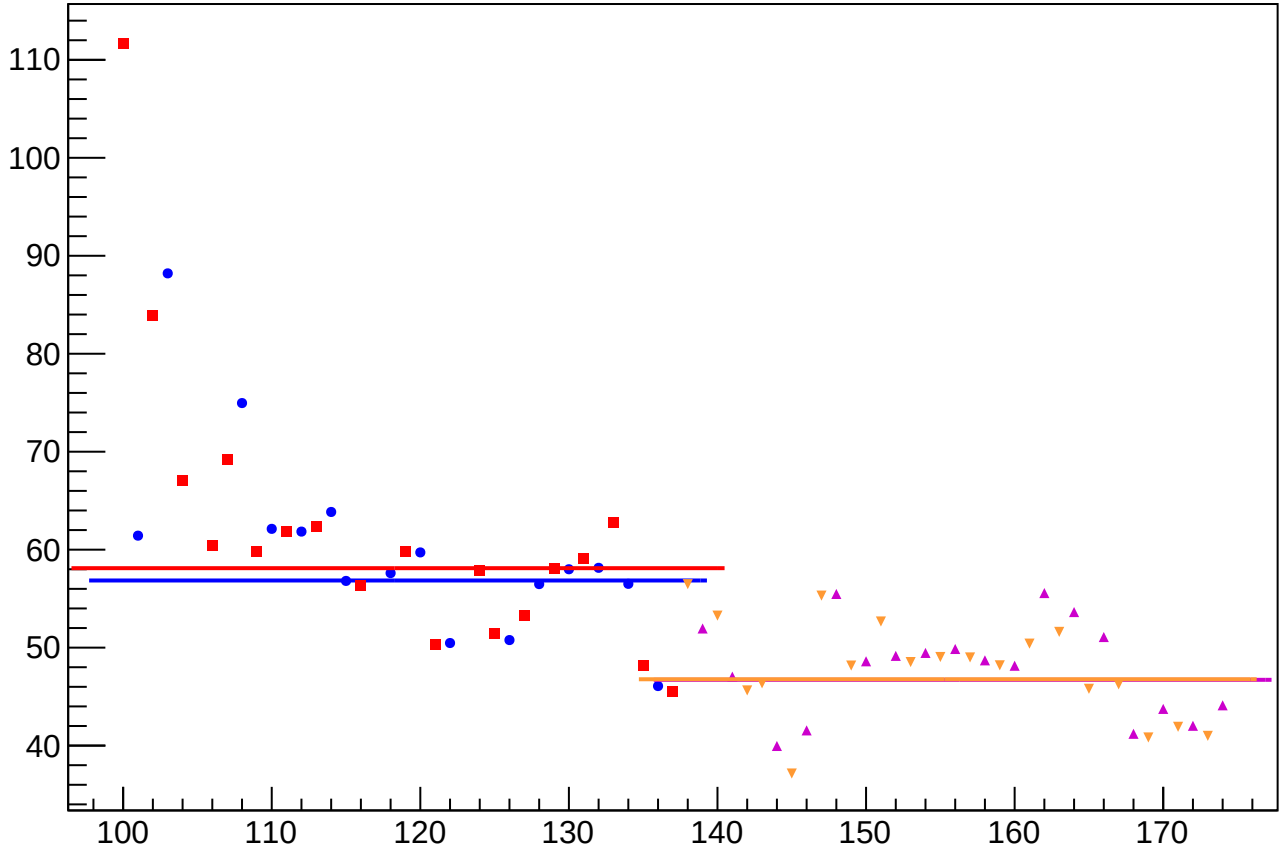
Left In: 23.644+/-12.225 χ^2/NDF:22.8/17

+ sign 1.608+/-10.597 χ^2/NDF: 46.1/34

All: 8.569+/-7.509 χ^2/NDF: 92.0/71

- 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: 46.772+/-0.009 χ^2/NDF:361071.1/18

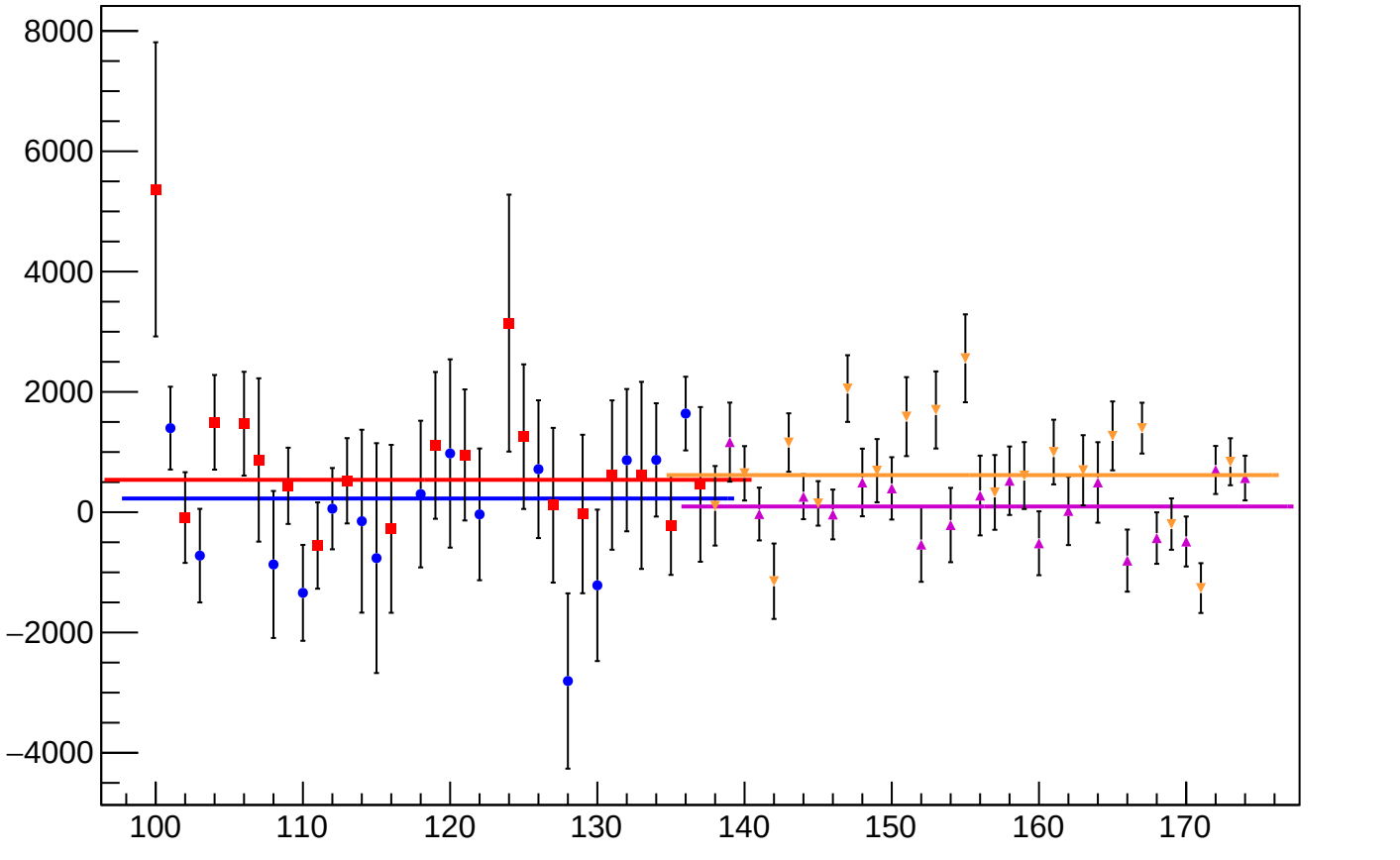
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.714+/-0.009 χ^2/NDF:291815.0/17

+ sign 49.227+/-0.007 χ^2/NDF: 1036223.6/34

All: 49.349+/-0.005 χ^2/NDF: 2062280.9/71

- 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: 616.624+/-116.628 χ^2/NDF:60.2/18

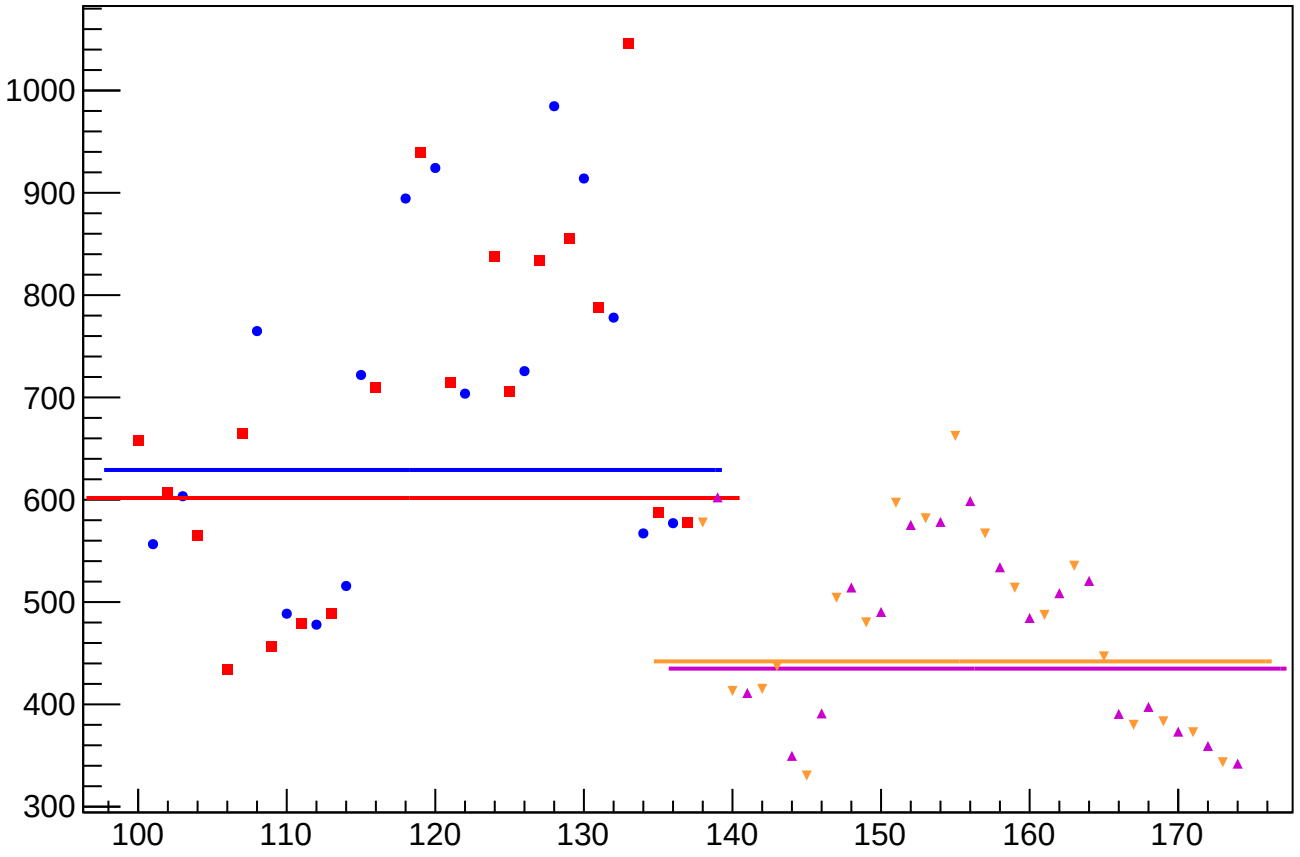
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 94.538+/-115.188 χ^2/NDF:17.9/17

\+ sign 542.908+/-105.000 χ^2/NDF: 84.0/34

All: 359.929+/-73.486 χ^2/NDF: 124.2/71

\- 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: 442.020+/-0.082 χ^2/NDF:1147138.4/18

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

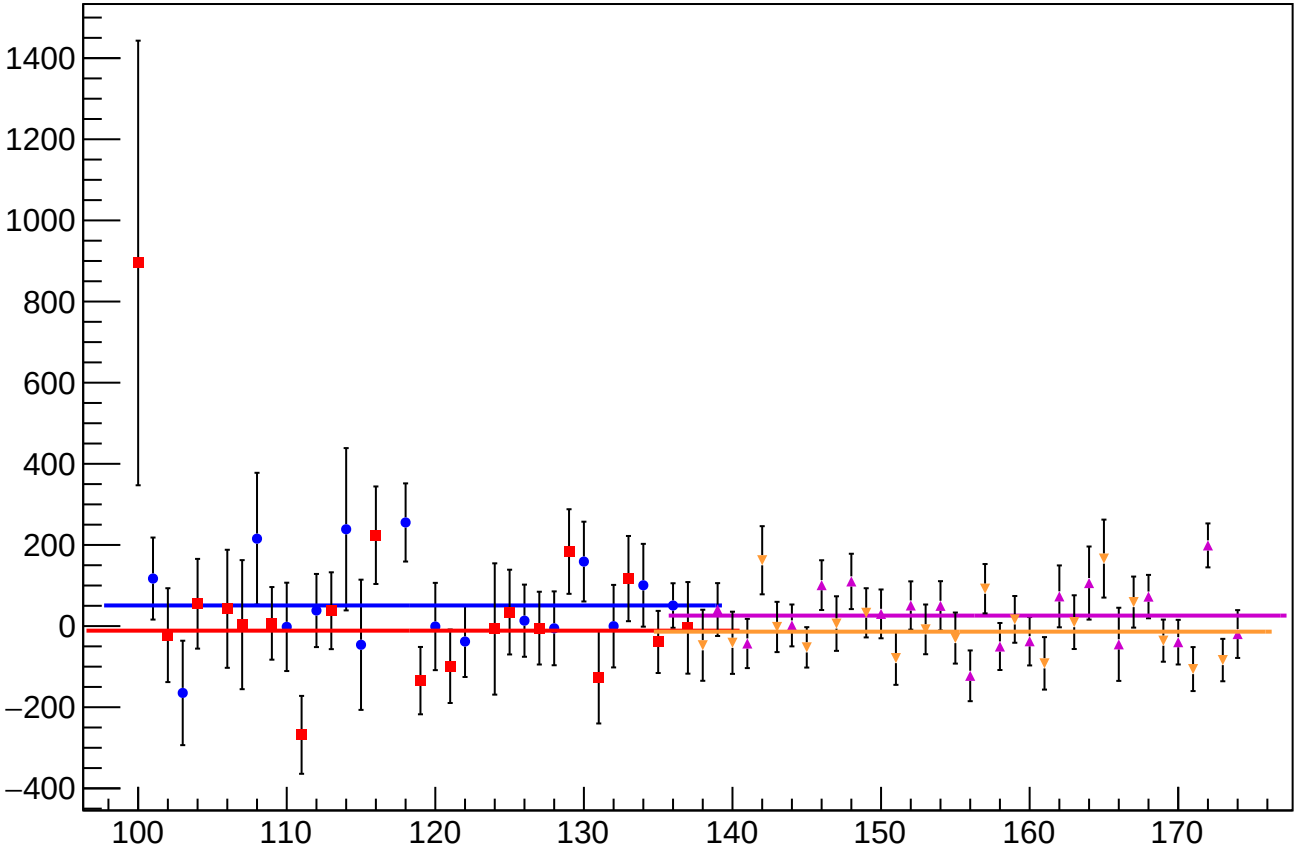
Left In: 434.943+/-0.081 χ^2/NDF:1072258.2/17

+ sign 477.465+/-0.074 χ^2/NDF: 2814862.4/34

All: 472.982+/-0.052 χ^2/NDF: 5616365.8/71

- 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: -13.726+/-14.398 χ^2/NDF:21.6/18

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

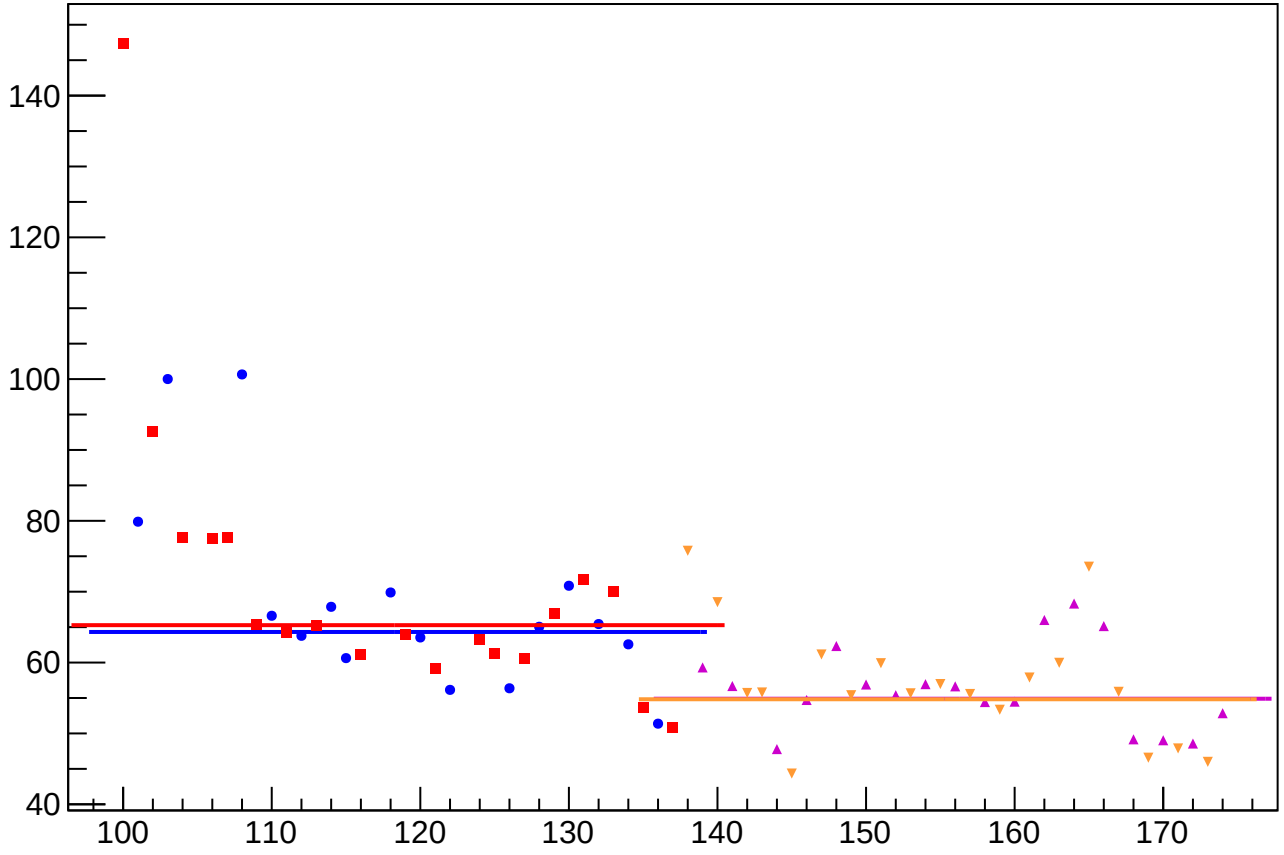
Left In: 25.862+/-14.504 χ^2/NDF:28.2/17

+ sign 2.861+/-12.412 χ^2/NDF: 40.6/34

All: 9.469+/-8.793 χ^2/NDF: 95.1/71

- 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: 54.822+/-0.010 χ^2/NDF:534891.0/18

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

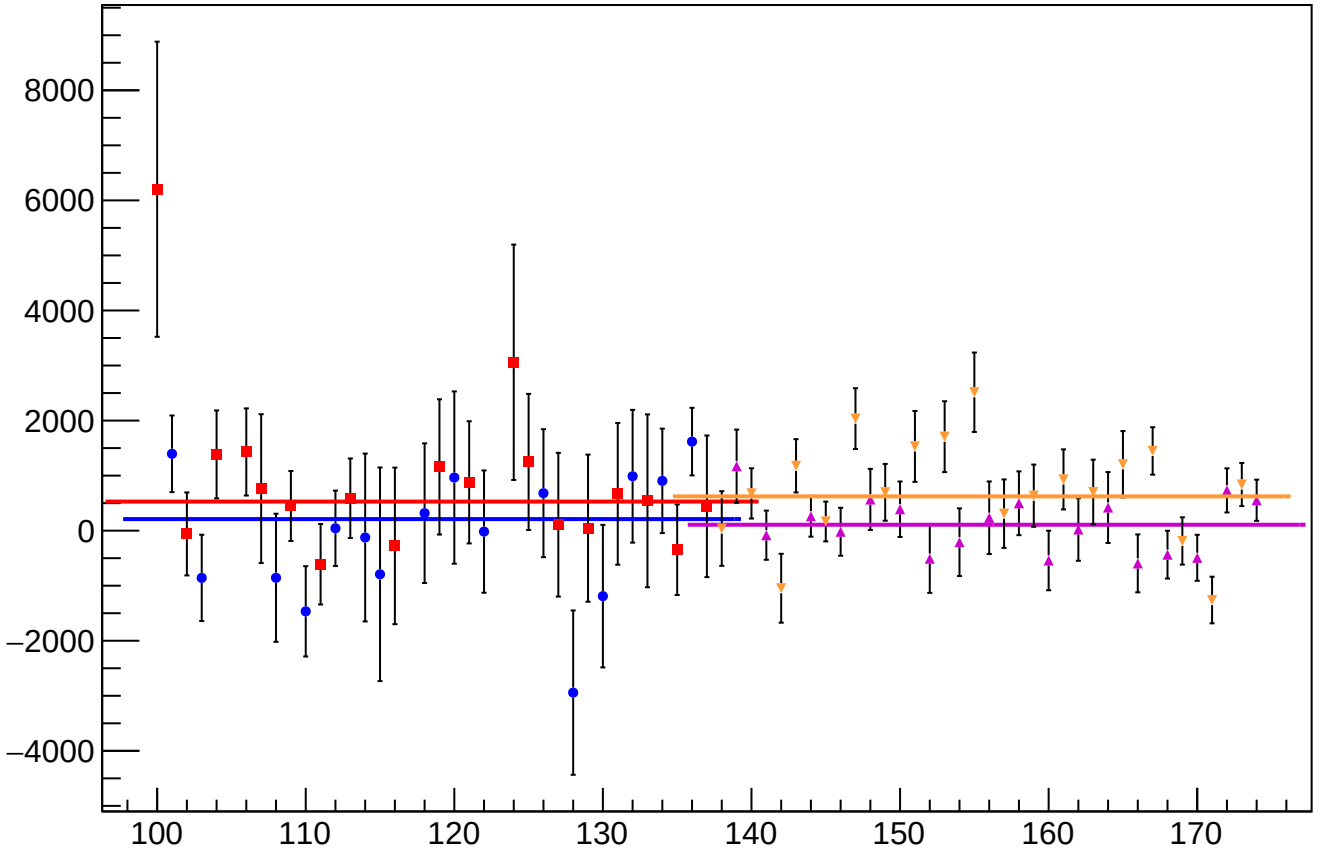
Left In: 54.897+/-0.010 χ^2/NDF:267091.6/17

+ sign 57.260+/-0.009 χ^2/NDF: 1223225.0/34

All: 57.440+/-0.006 χ^2/NDF: 2078971.8/71

- 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: 622.949+/-117.170 χ^2/NDF:57.9/18

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

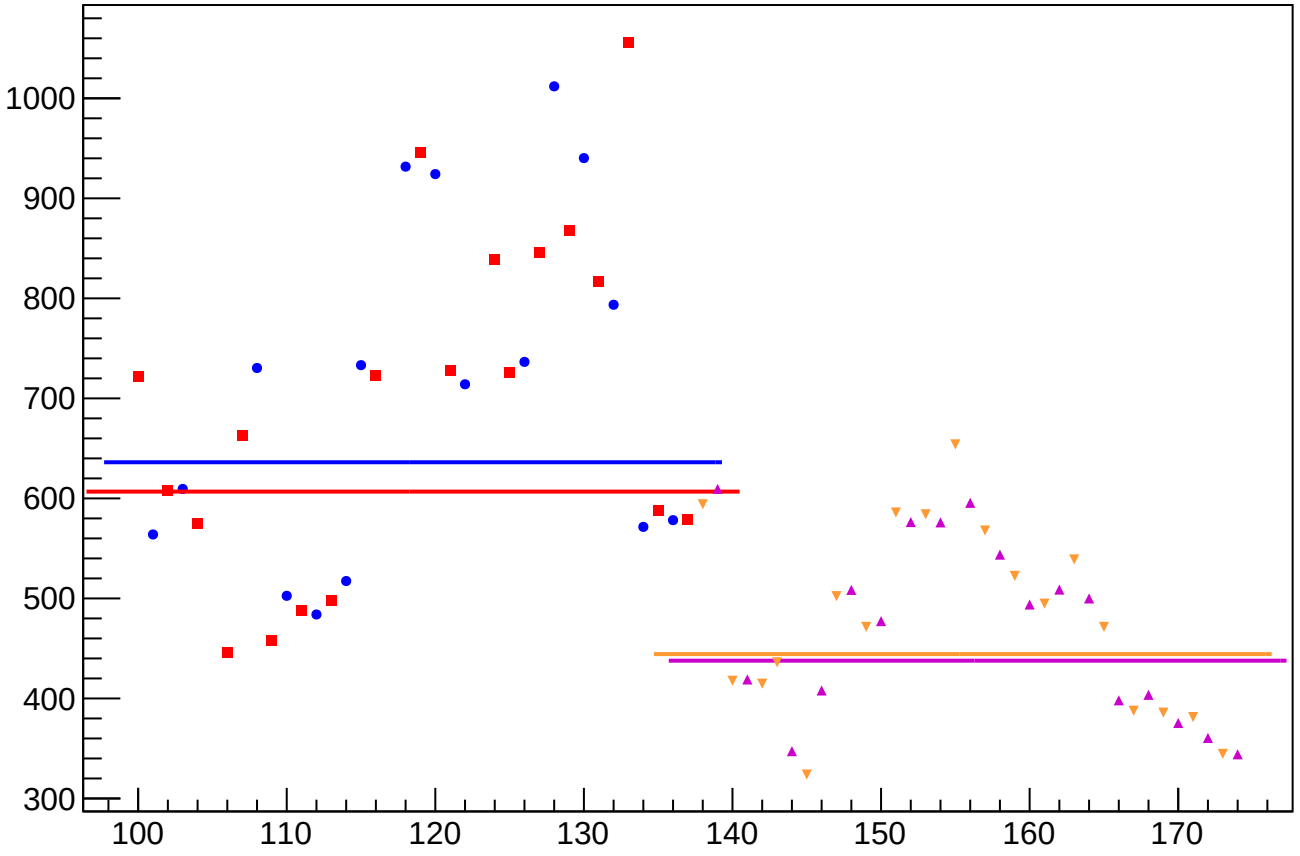
Left In: 107.356+/-115.891 χ^2/NDF:16.7/17

\+ sign 545.467+/-105.607 χ^2/NDF: 82.6/34

All: 365.551+/-73.907 χ^2/NDF: 121.5/71

\- sign 192.855+/-103.466 χ^2/NDF: 33.2/36

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 444.351+/-0.083 χ^2/NDF:1154694.5/18

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

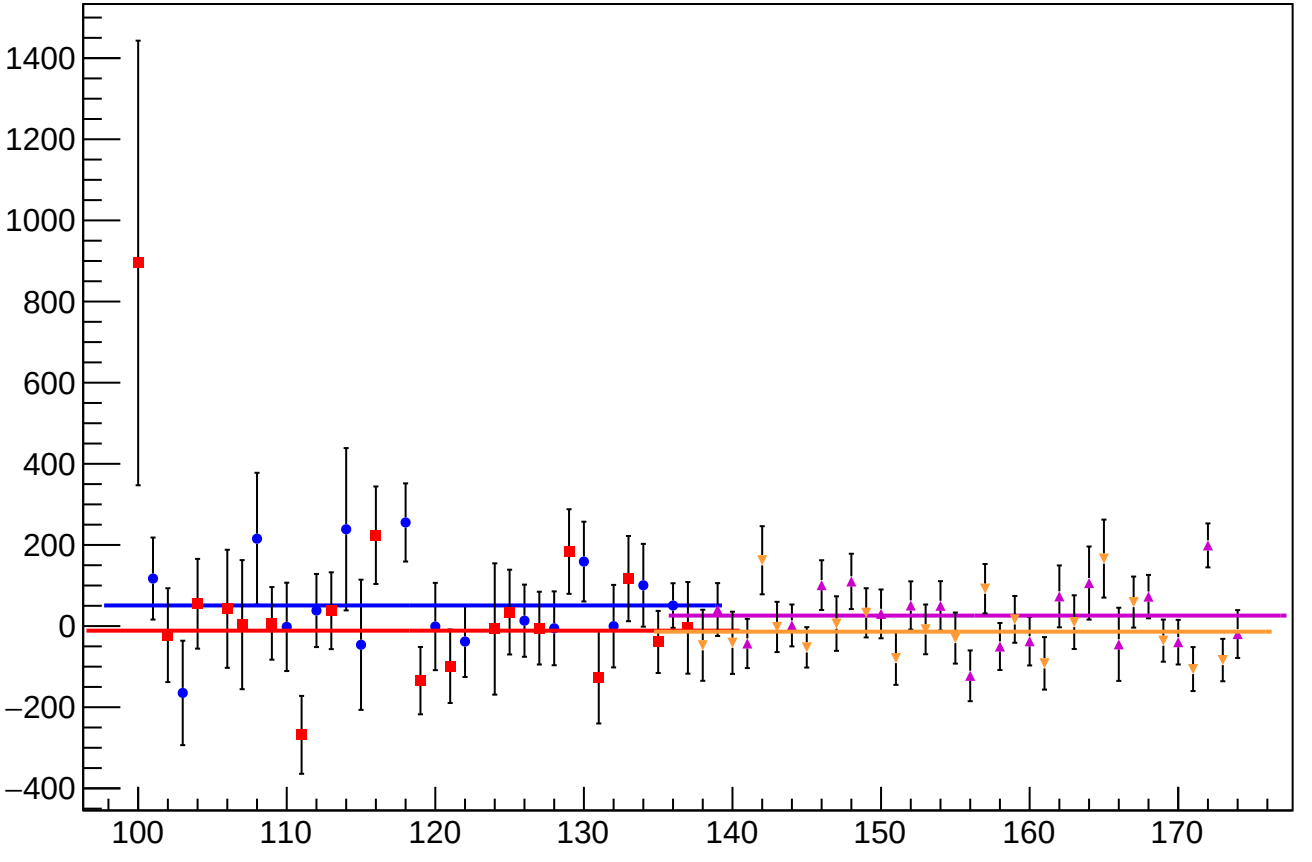
Left In: 437.766+/-0.082 χ^2/NDF:1031836.4/17

+ sign 480.339+/-0.075 χ^2/NDF: 2865443.5/34

All: 476.119+/-0.052 χ^2/NDF: 5660887.5/71

- 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: -13.727+/-14.398 χ^2/NDF:21.6/18

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

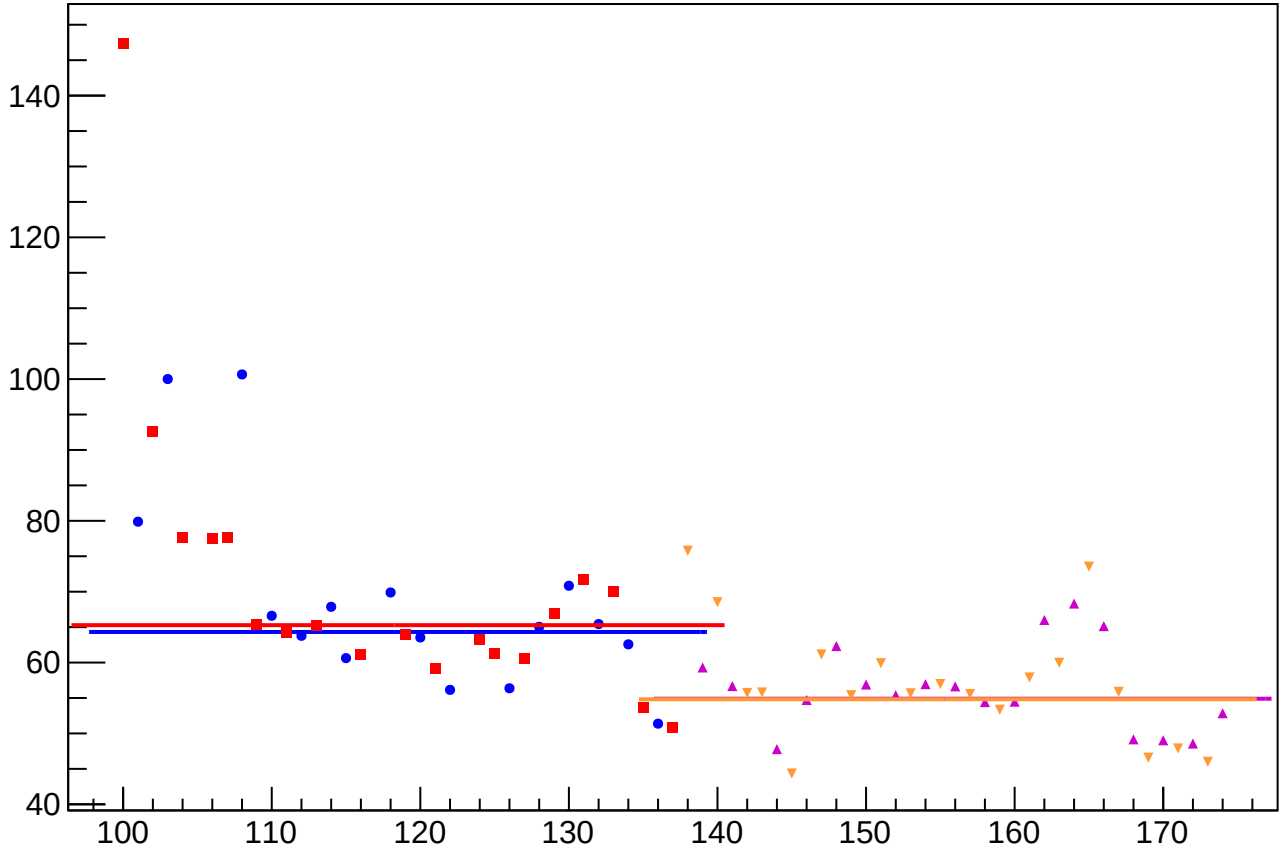
Left In: 25.862+/-14.504 χ^2/NDF:28.2/17

+ sign 2.860+/-12.412 χ^2/NDF: 40.6/34

All: 9.468+/-8.793 χ^2/NDF: 95.1/71

- 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: 54.822+/-0.010 χ^2/NDF:534880.1/18

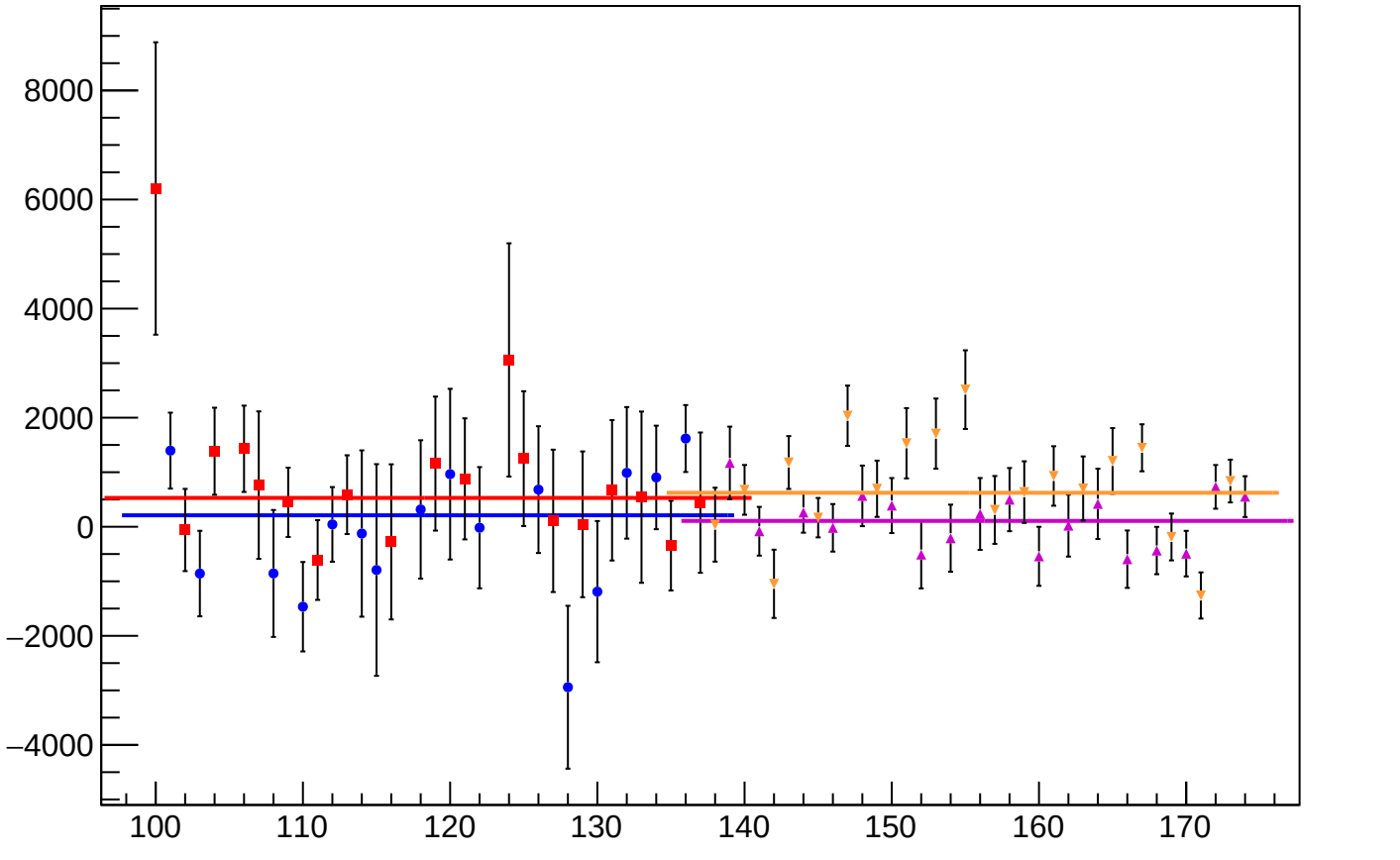
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 54.897+/-0.010 χ^2/NDF:267091.0/17

+ sign 57.261+/-0.009 χ^2/NDF: 1223202.2/34

All: 57.440+/-0.006 χ^2/NDF: 2078941.5/71

- 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: 622.948+/-117.170 χ^2/NDF:57.9/18

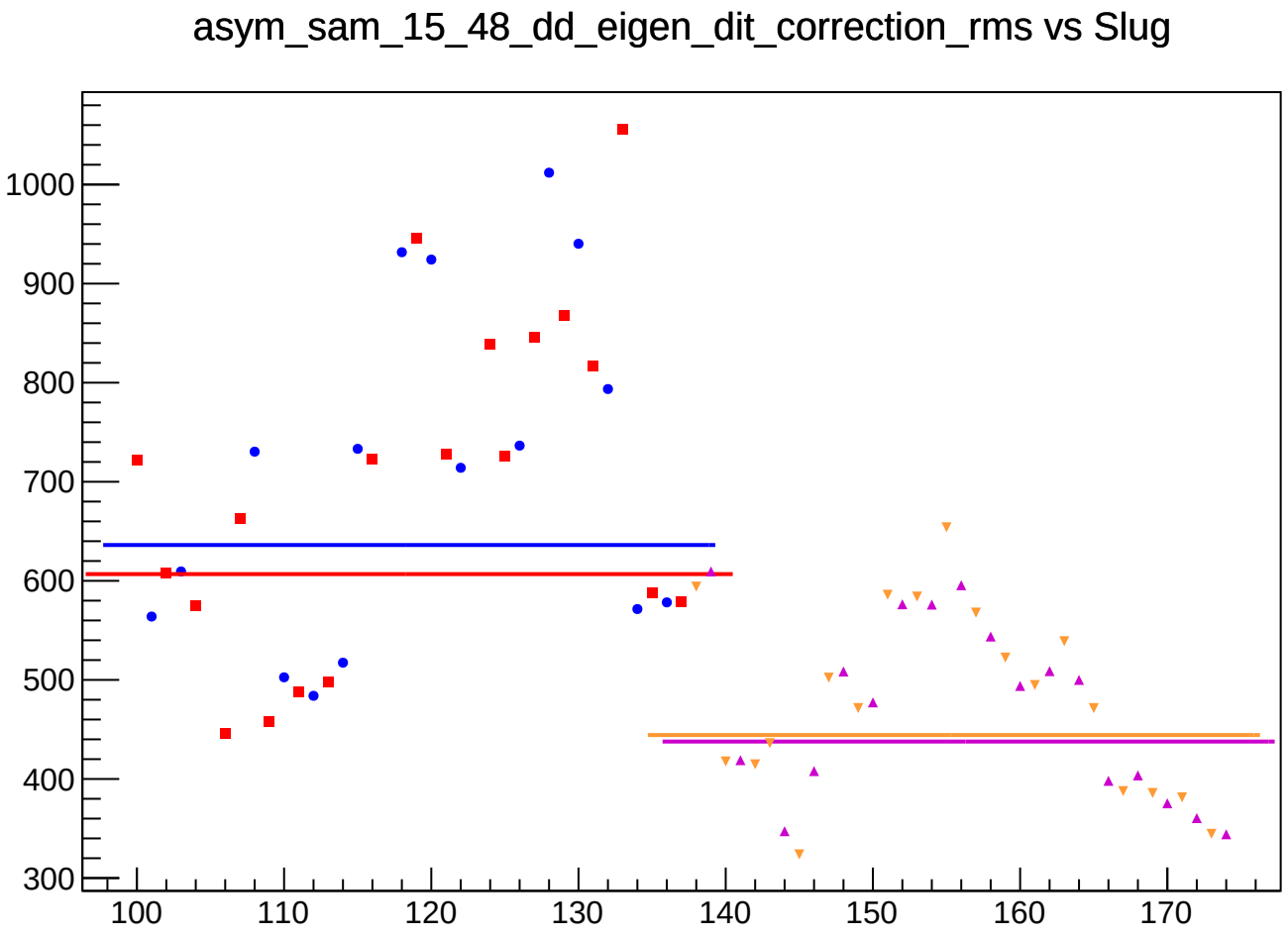
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 107.355+/-115.891 χ^2/NDF:16.7/17

\+ sign 545.466+/-105.607 χ^2/NDF: 82.6/34

All: 365.550+/-73.907 χ^2/NDF: 121.5/71

\- 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: 444.350+/-0.083 χ^2/NDF:1154703.3/18

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

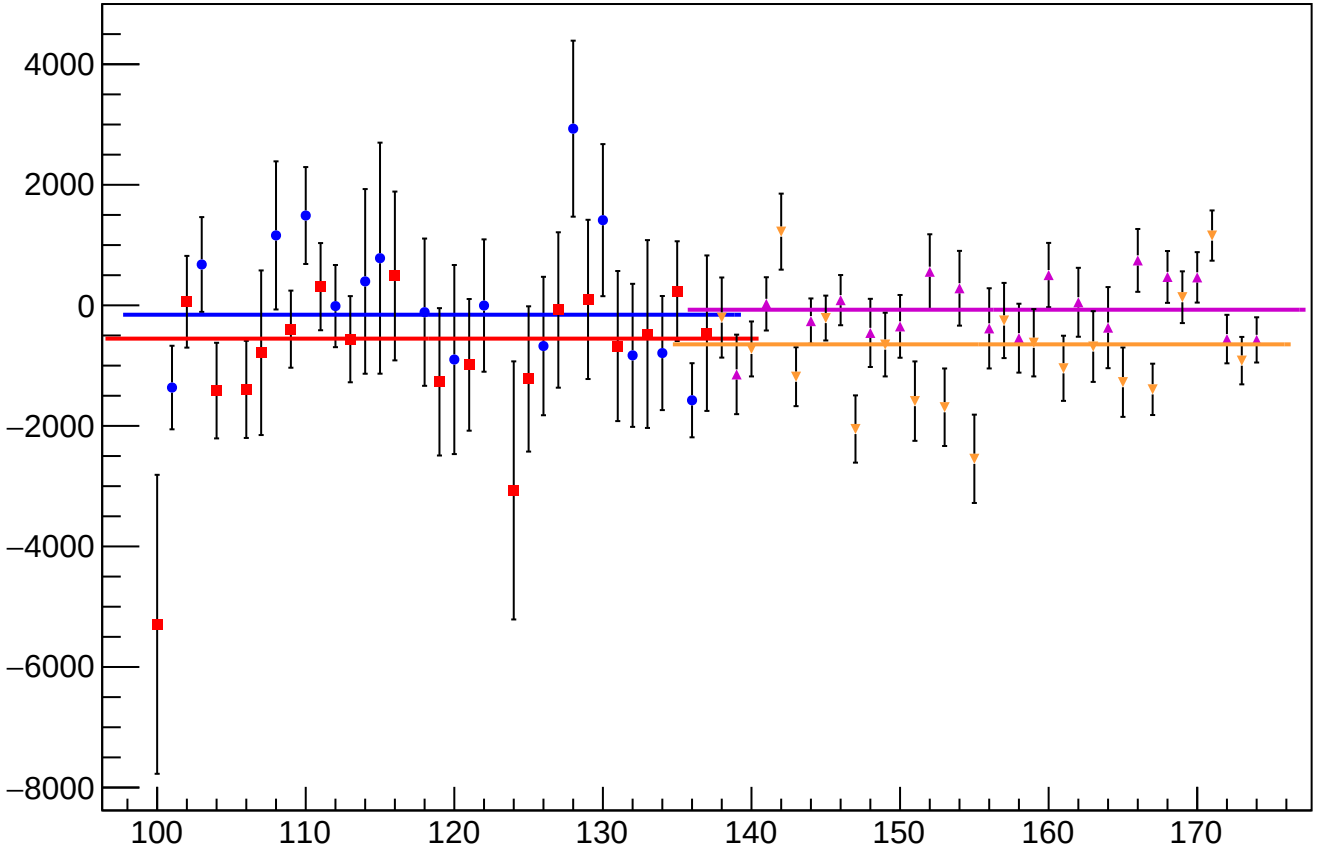
Left In: 437.765+/-0.082 χ^2/NDF:1031845.2/17

+ sign 480.338+/-0.075 χ^2/NDF: 2865460.0/34

All: 476.118+/-0.052 χ^2/NDF: 5660921.6/71

- 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: -647.045+/-117.324 χ^2/NDF:57.3/18

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

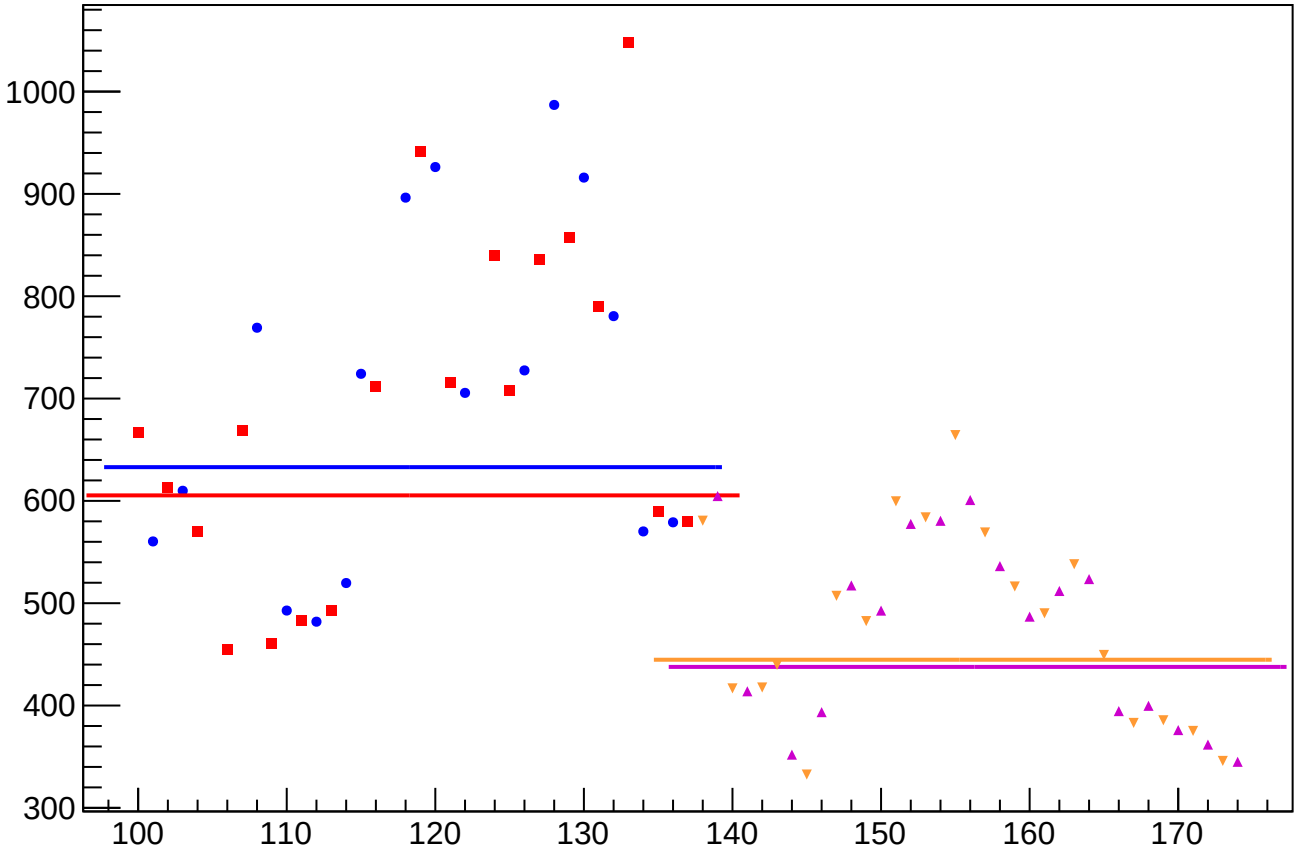
Left In: -72.664+/-115.902 χ^2/NDF:16.5/17

+ sign -553.899+/-105.621 χ^2/NDF: 83.1/34

All: -358.141+/-73.888 χ^2/NDF: 121.9/71

- 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: 444.762+/-0.083 χ^2/NDF:1134915.2/18

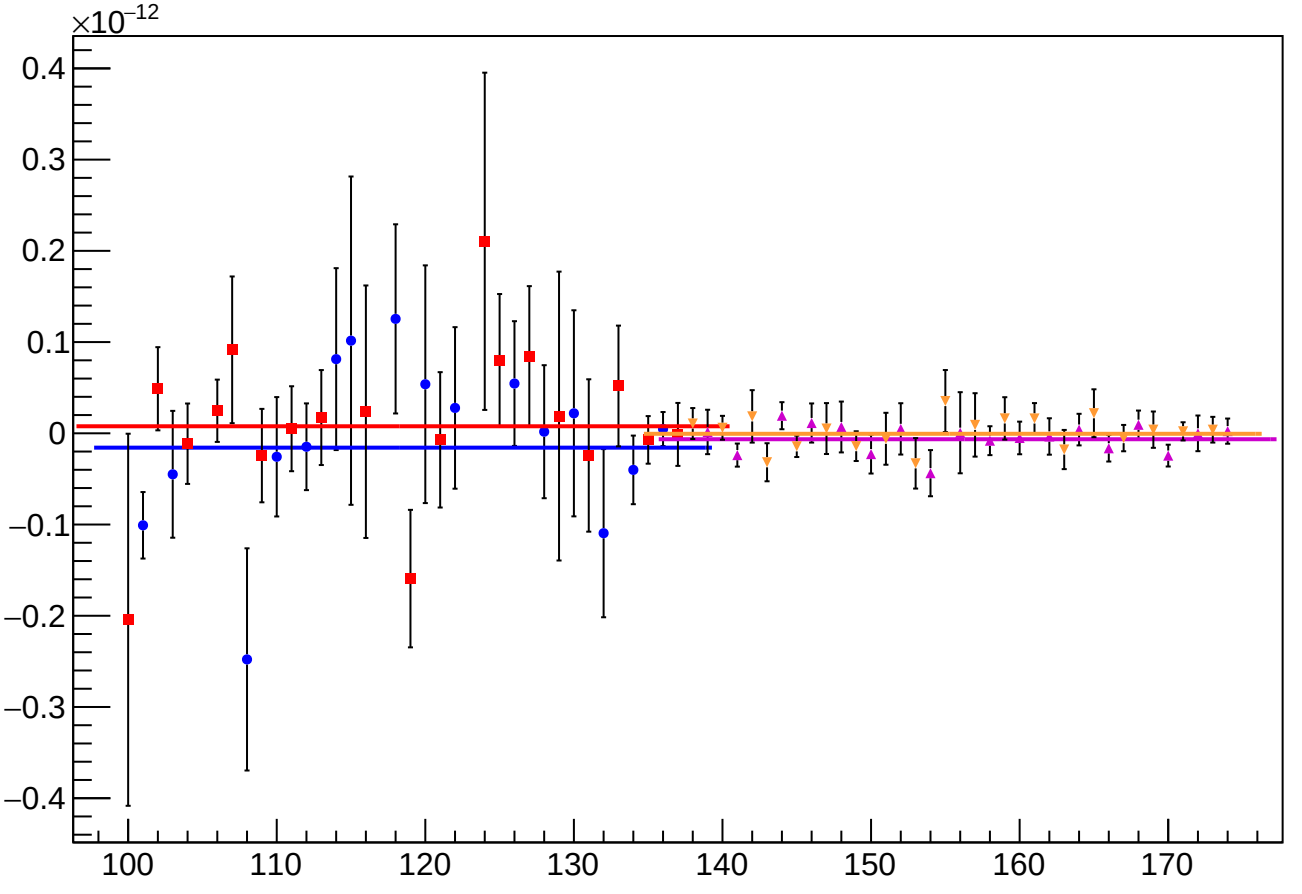
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 437.751+/-0.082 χ^2/NDF:1058612.4/17

+ sign 480.437+/-0.075 χ^2/NDF: 2791601.2/34

All: 476.108+/-0.052 χ^2/NDF: 5564490.1/71

- 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:11.3/18

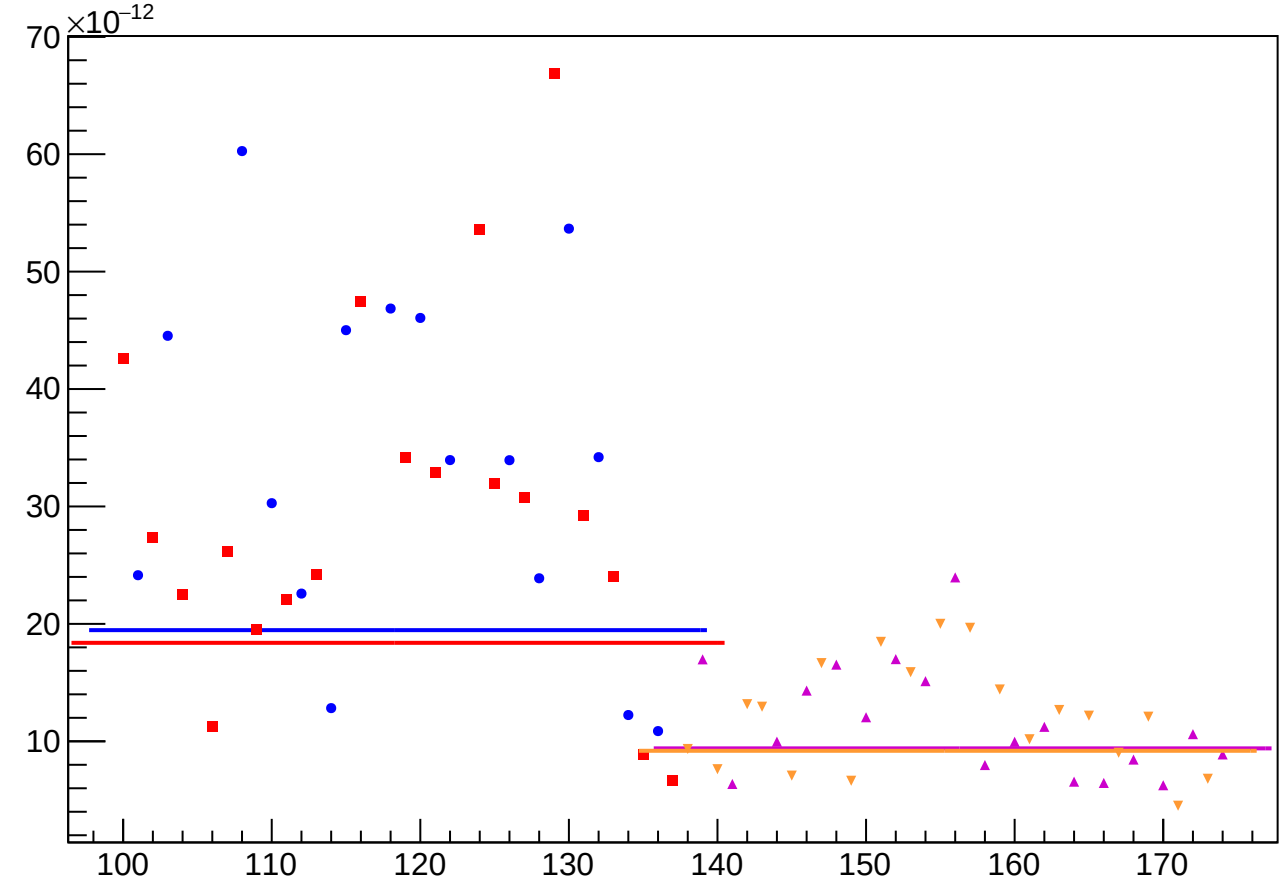
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/17

+ sign -0.000+/-0.000 χ^2/NDF: 29.5/34

All: -0.000+/-0.000 χ^2/NDF: 57.6/71

- sign -0.000+/-0.000 χ^2/NDF: 27.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1829706.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

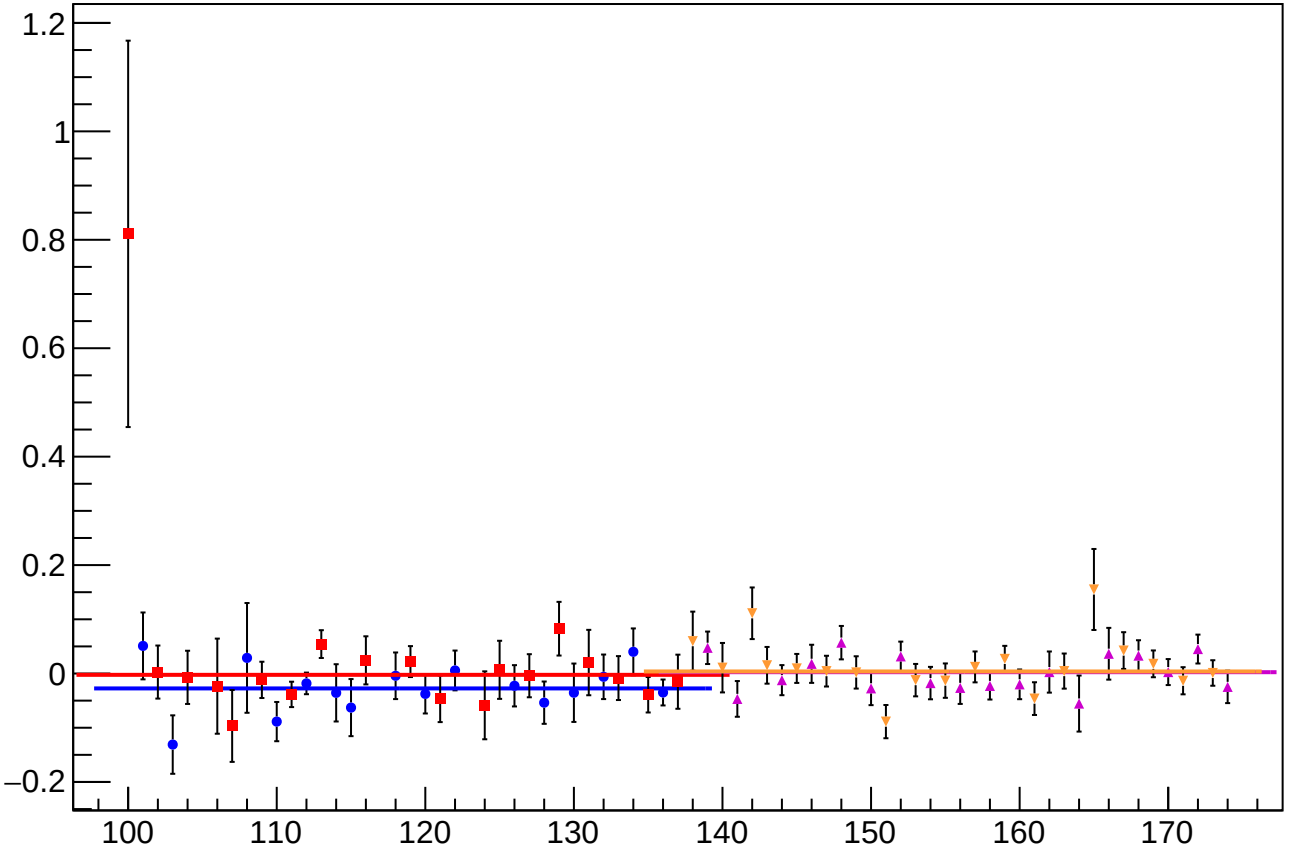
Left In: 0.000+/-0.000 χ^2/NDF:1368482.2/17

+ sign 0.000+/-0.000 χ^2/NDF: 4768608.8/34

All: 0.000+/-0.000 χ^2/NDF: 8562718.2/71

- 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:26.0/18

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

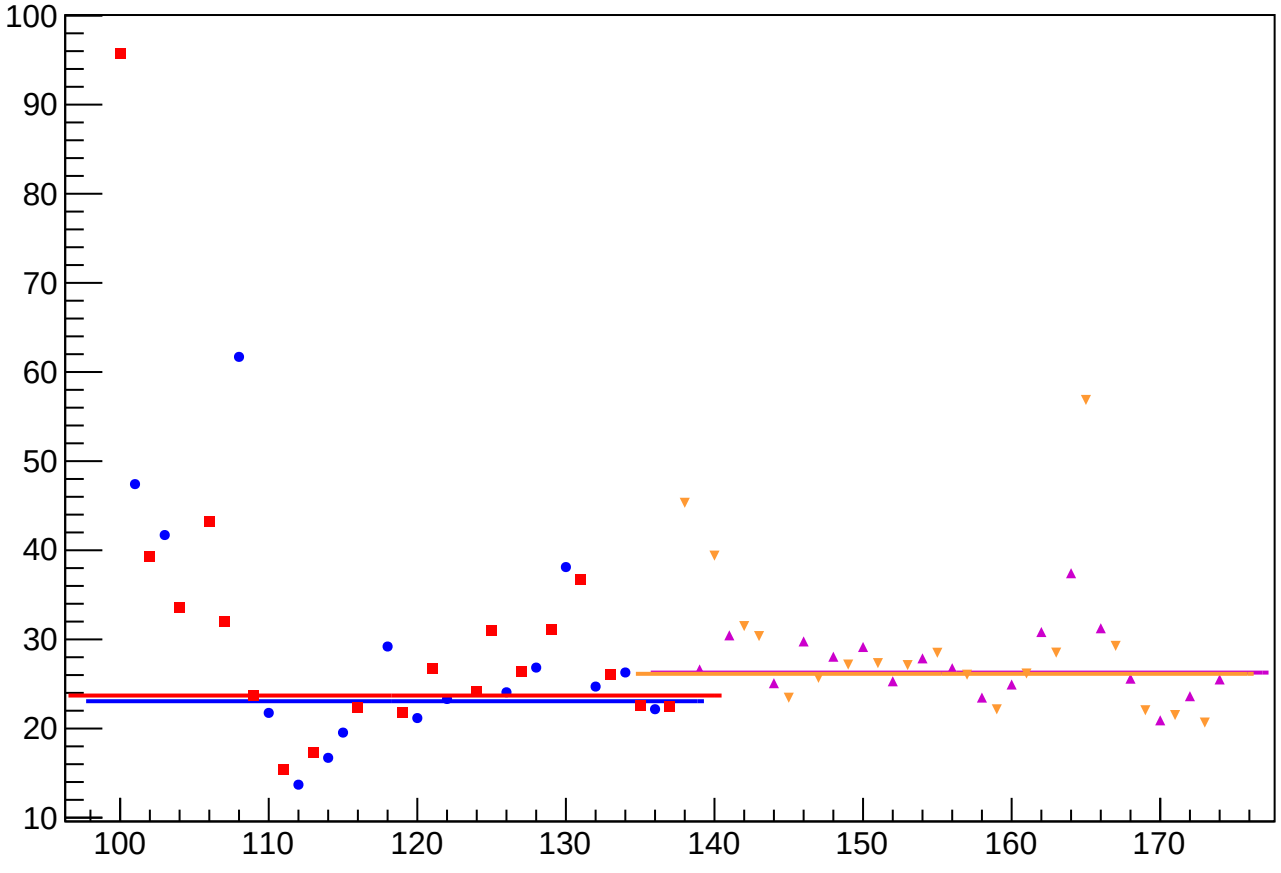
Left In: 0.002+/-0.007 χ^2/NDF:19.6/17

+ sign -0.007+/-0.006 χ^2/NDF: 46.7/34

All: -0.003+/-0.004 χ^2/NDF: 89.6/71

- 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: 26.140+/-0.005 χ^2/NDF:1164967.9/18

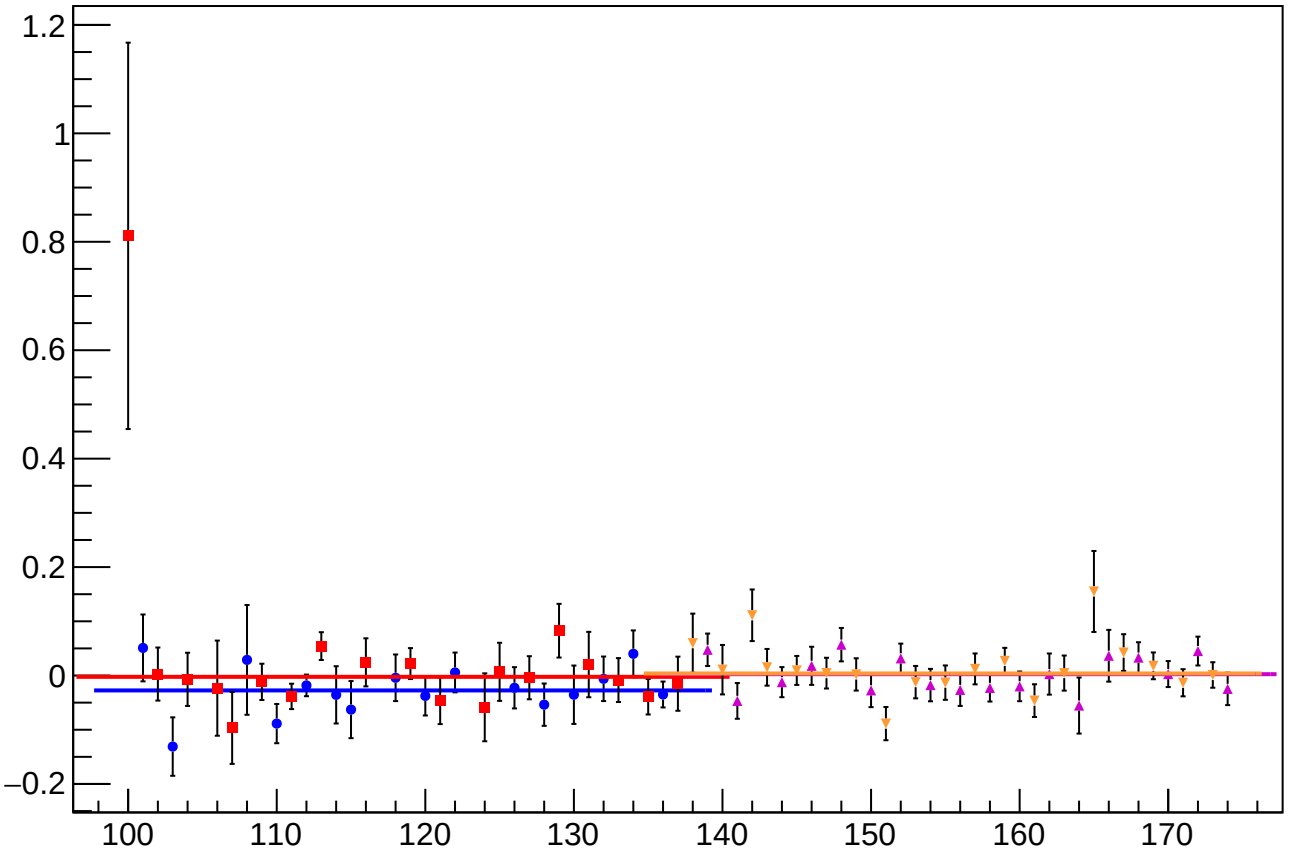
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.277+/-0.005 χ^2/NDF:383796.1/17

+ sign 25.034+/-0.004 χ^2/NDF: 2866605.2/34

All: 25.180+/-0.003 χ^2/NDF: 4438433.0/71

- 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:26.0/18

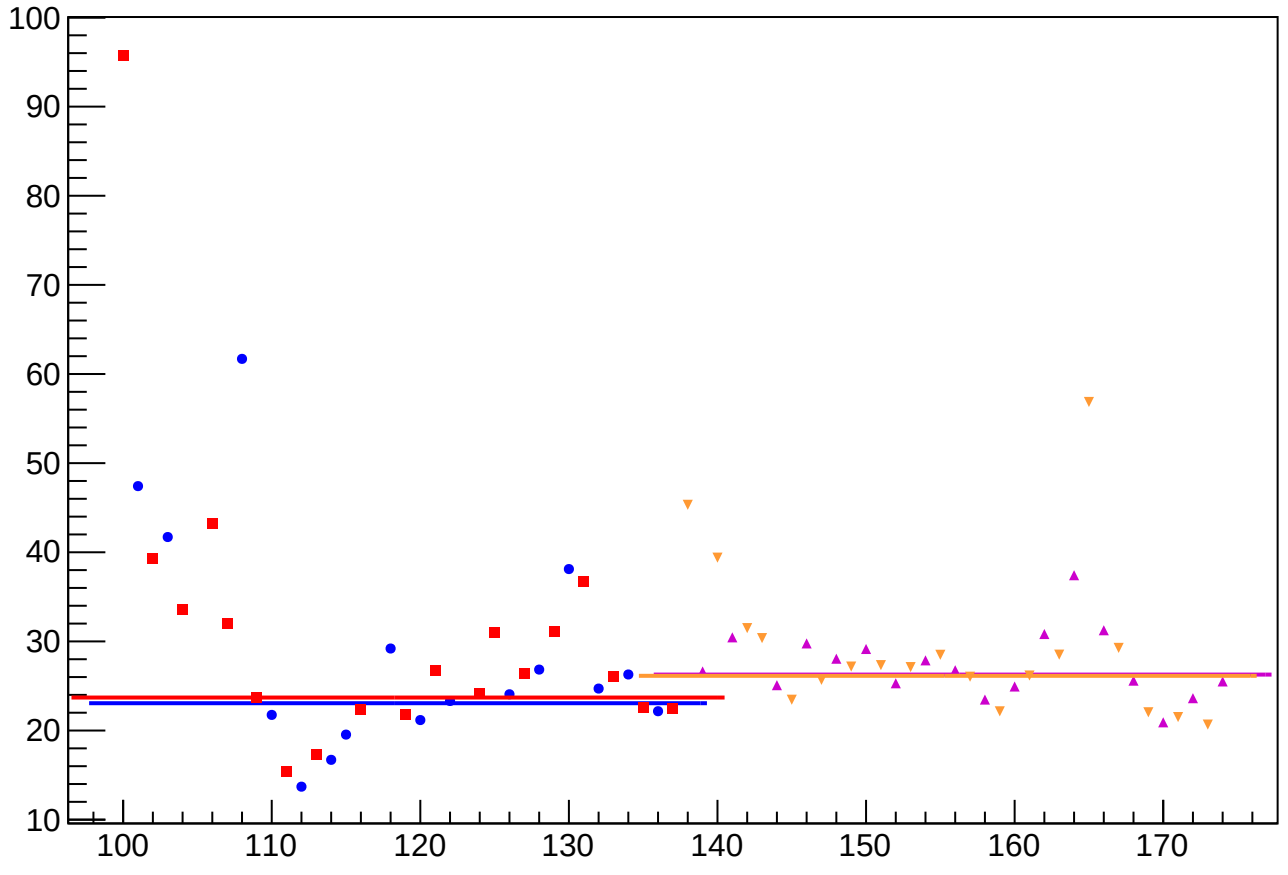
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.007 χ^2/NDF:19.6/17

+ sign -0.007+/-0.006 χ^2/NDF: 46.7/34

All: -0.003+/-0.004 χ^2/NDF: 89.6/71

- 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: 26.140+/-0.005 χ^2/NDF:1164967.9/18

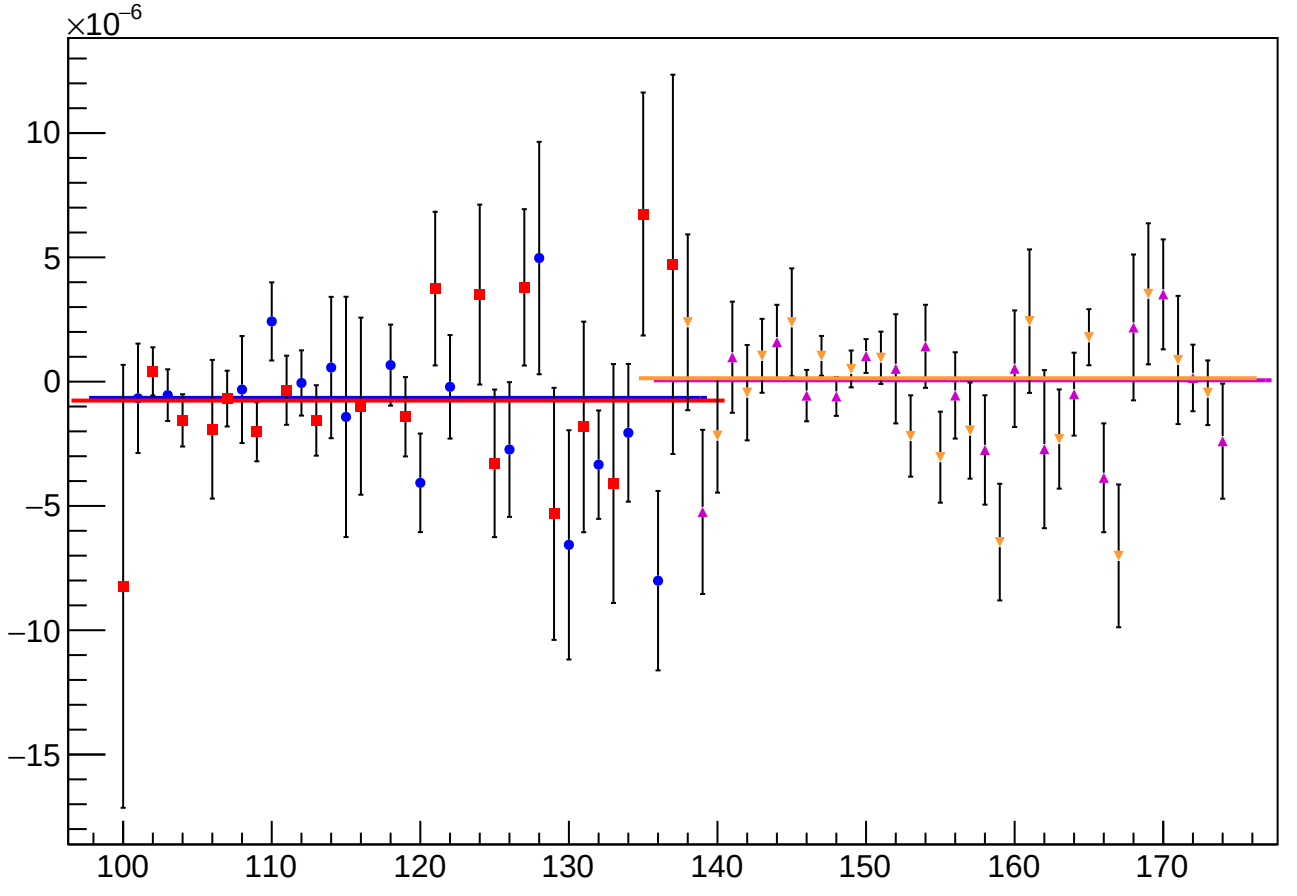
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.277+/-0.005 χ^2/NDF:383796.1/17

+ sign 25.034+/-0.004 χ^2/NDF: 2866605.2/34

All: 25.180+/-0.003 χ^2/NDF: 4438433.0/71

- 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:31.4/18

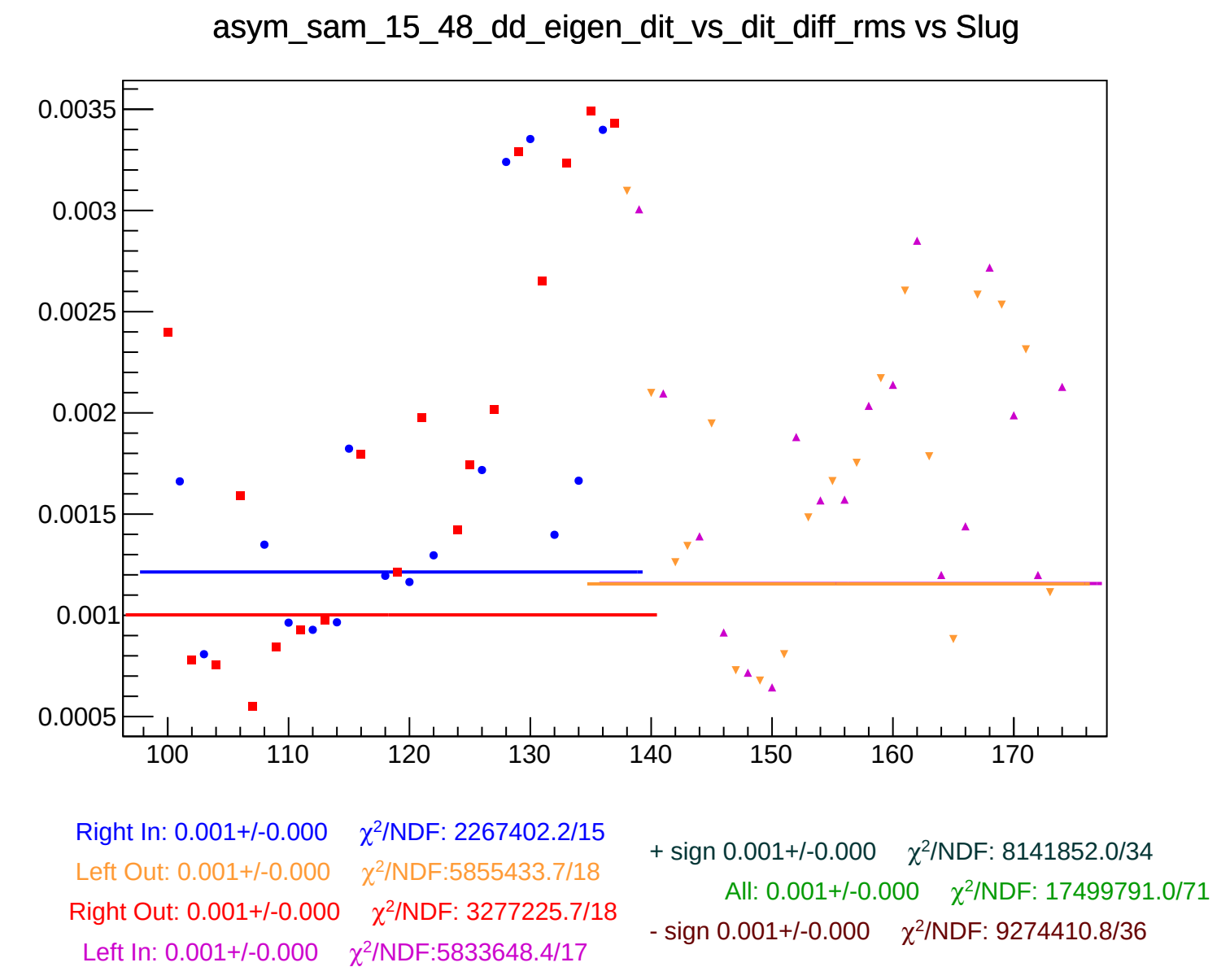
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

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

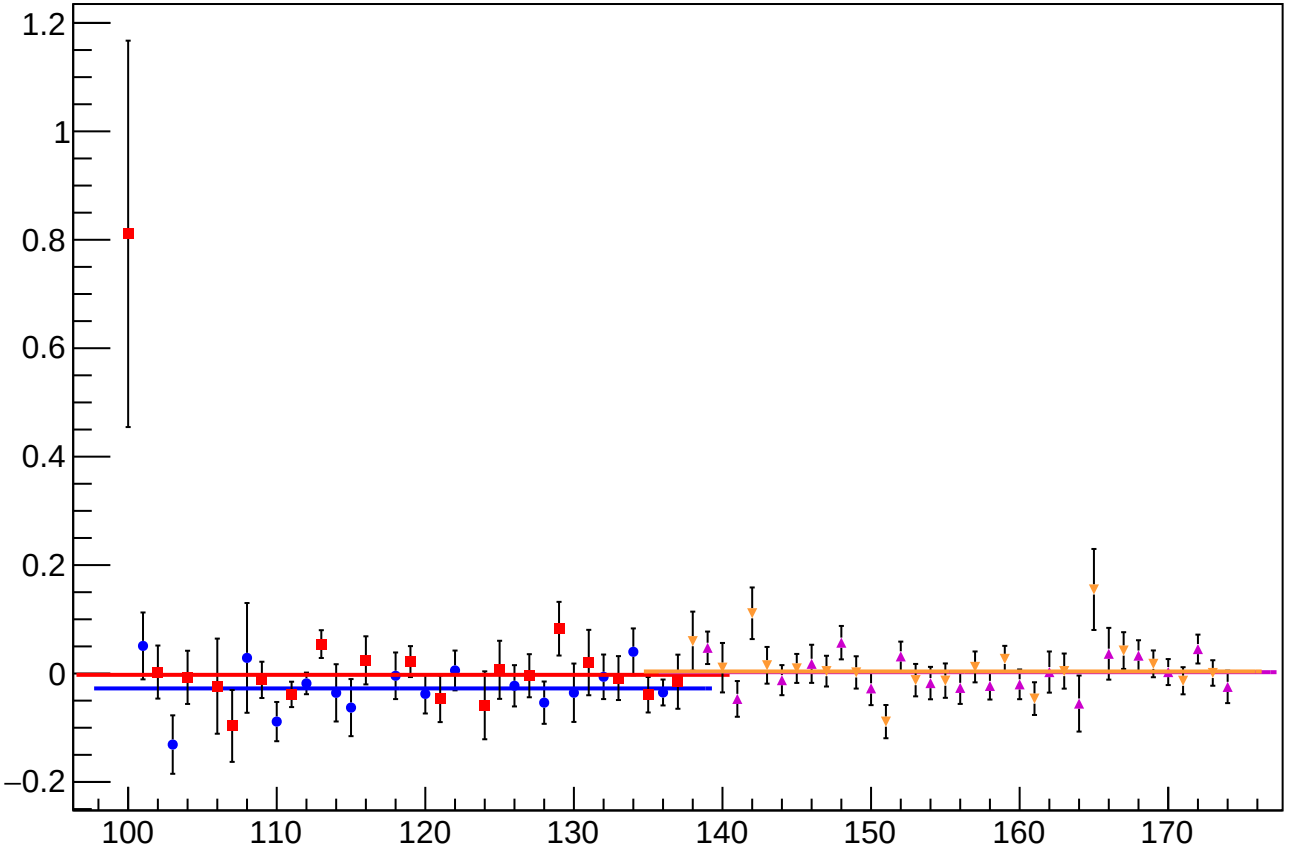
\+ sign -0.000+/-0.000 χ^2/NDF: 50.6/34

All: -0.000+/-0.000 χ^2/NDF: 85.8/71

\- 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:5855433.7/18
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: 8141852.0/34
All: 0.001+/-0.000 χ²/NDF: 17499791.0/71
- sign 0.001+/-0.000 χ²/NDF: 9274410.8/36

asym_sam_15_48_dd_eigen_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:26.0/18

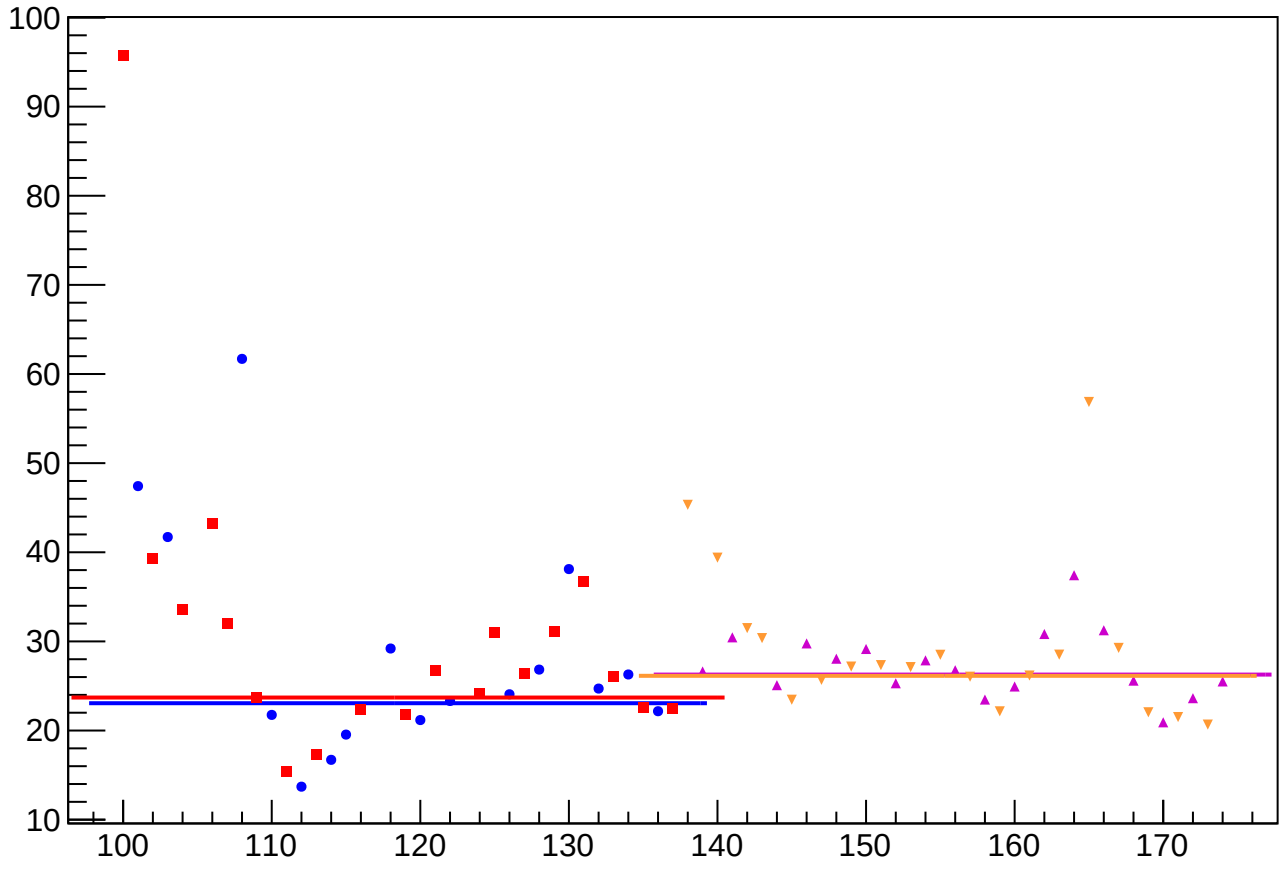
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.007 χ^2/NDF:19.6/17

+ sign -0.007+/-0.006 χ^2/NDF: 46.7/34

All: -0.003+/-0.004 χ^2/NDF: 89.6/71

- 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: 26.140+/-0.005 χ^2/NDF:1164922.7/18

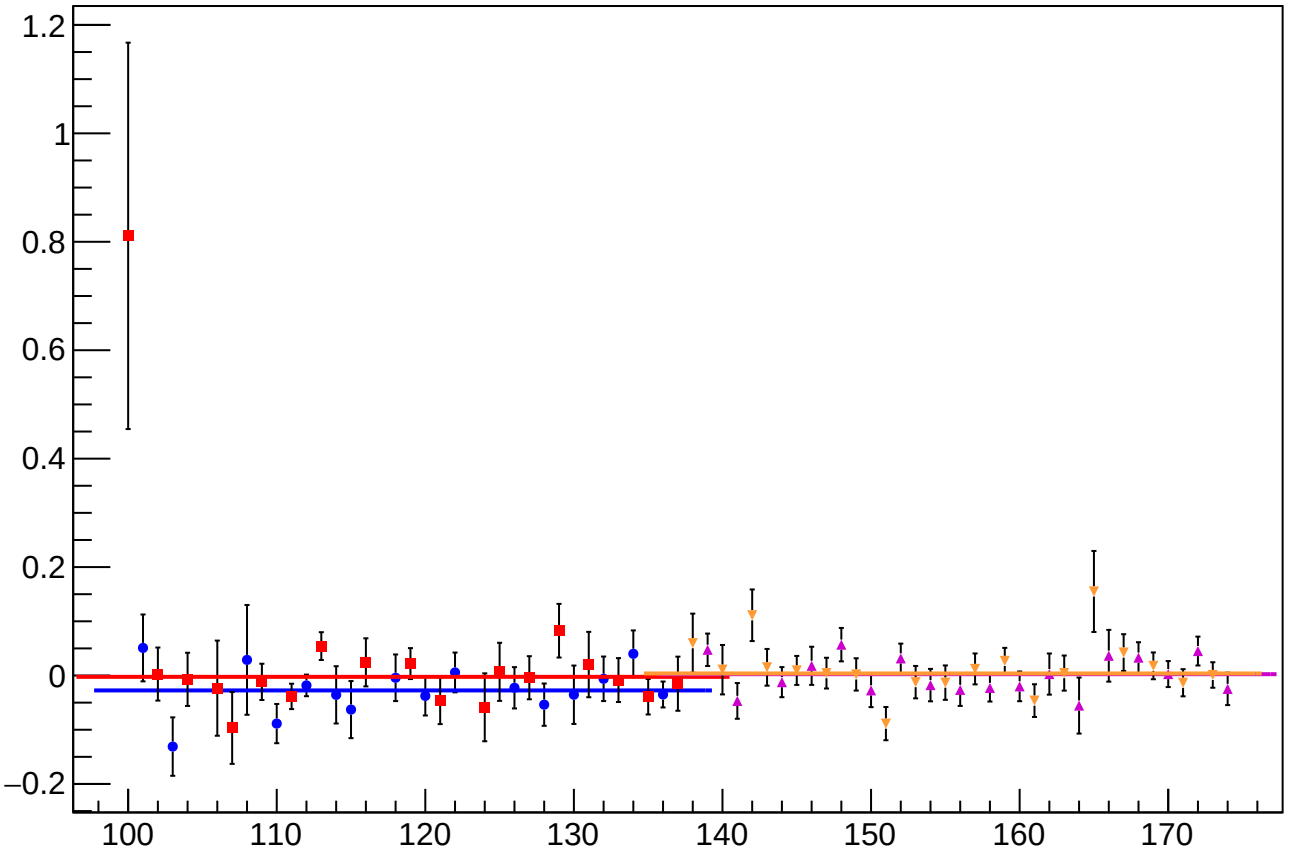
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.277+/-0.005 χ^2/NDF:383800.2/17

+ sign 25.034+/-0.004 χ^2/NDF: 2866621.5/34

All: 25.180+/-0.003 χ^2/NDF: 4438521.4/71

- 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:26.0/18

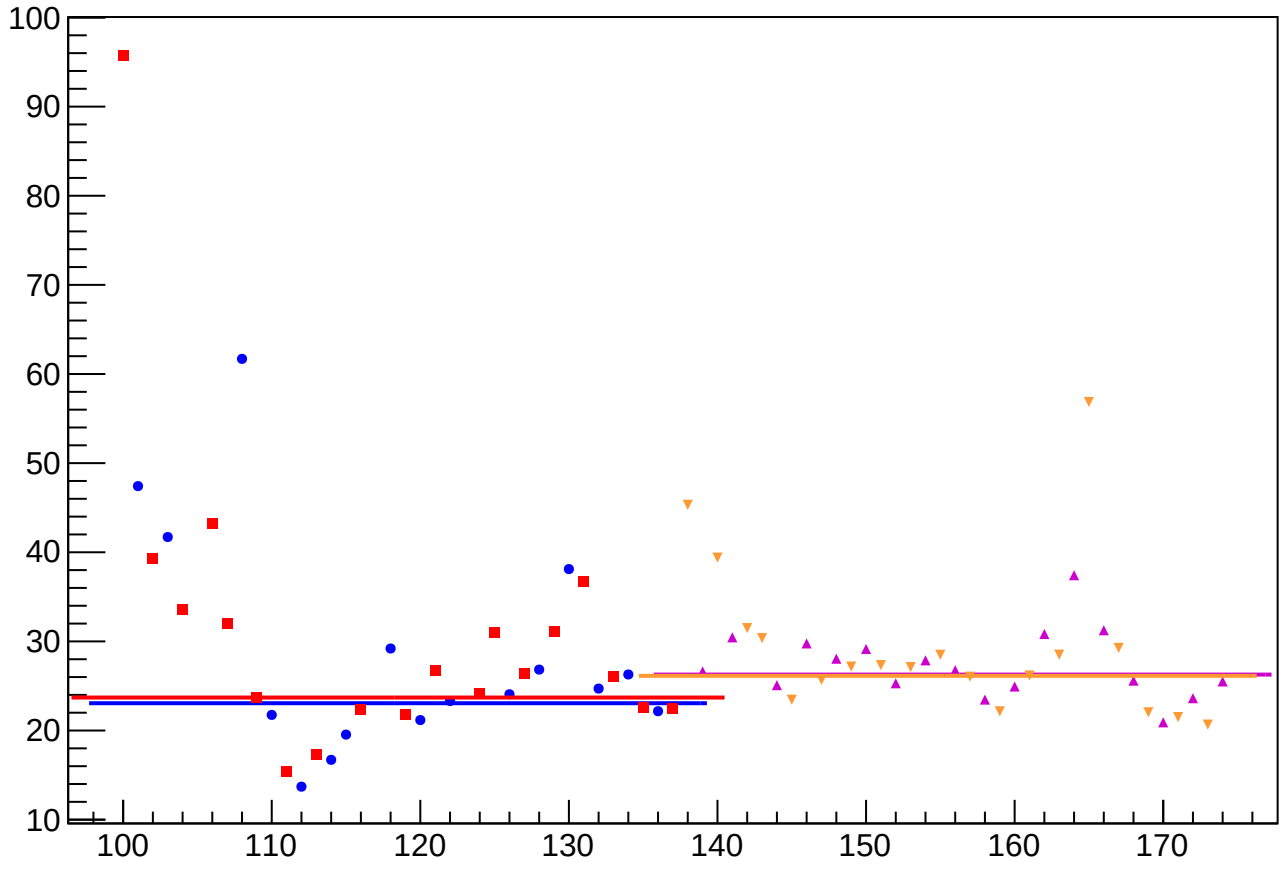
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.007 χ^2/NDF:19.6/17

+ sign -0.007+/-0.006 χ^2/NDF: 46.7/34

All: -0.003+/-0.004 χ^2/NDF: 89.6/71

- 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: 26.140+/-0.005 χ^2/NDF:1164922.7/18

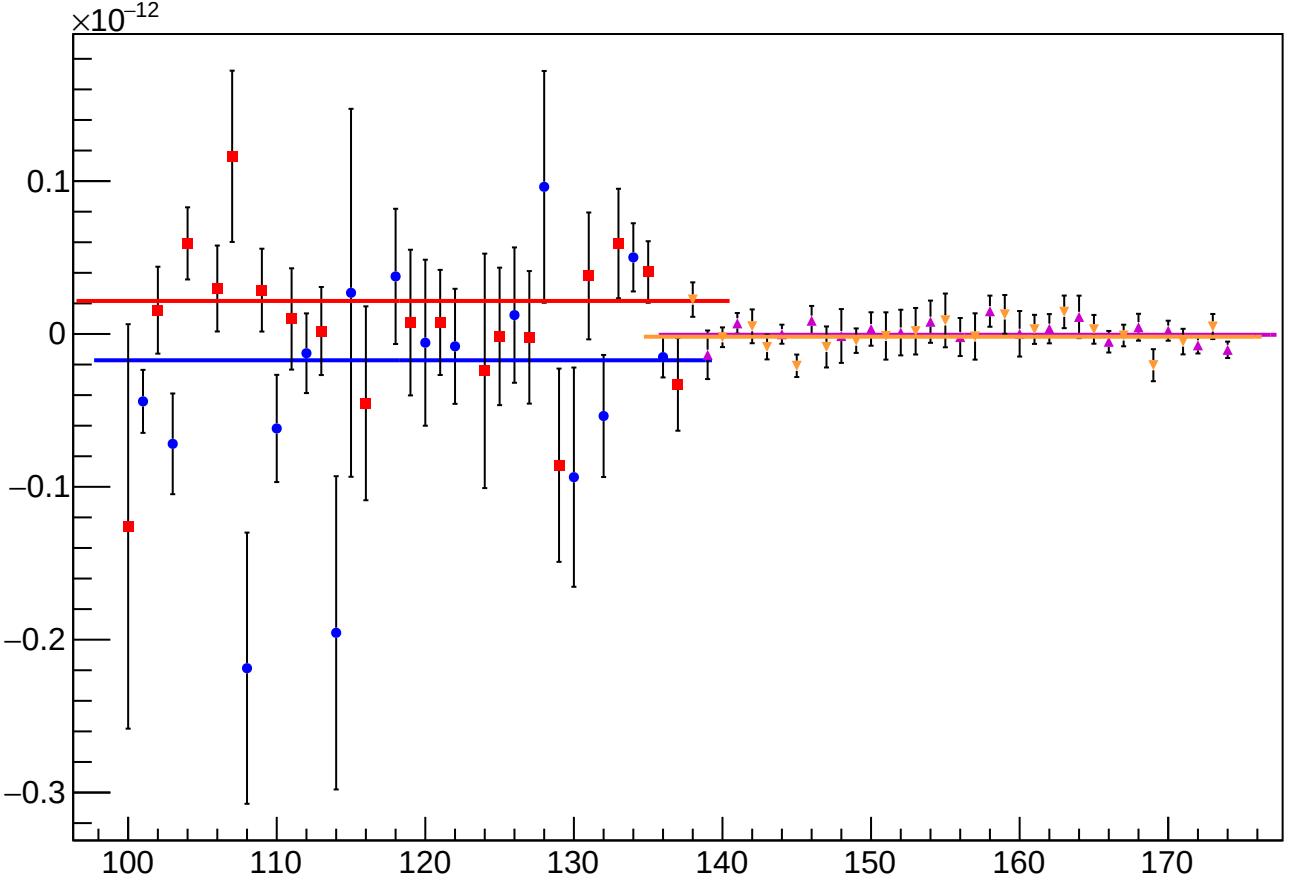
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.277+/-0.005 χ^2/NDF:383800.2/17

+ sign 25.034+/-0.004 χ^2/NDF: 2866621.5/34

All: 25.180+/-0.003 χ^2/NDF: 4438521.4/71

- 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:21.3/18

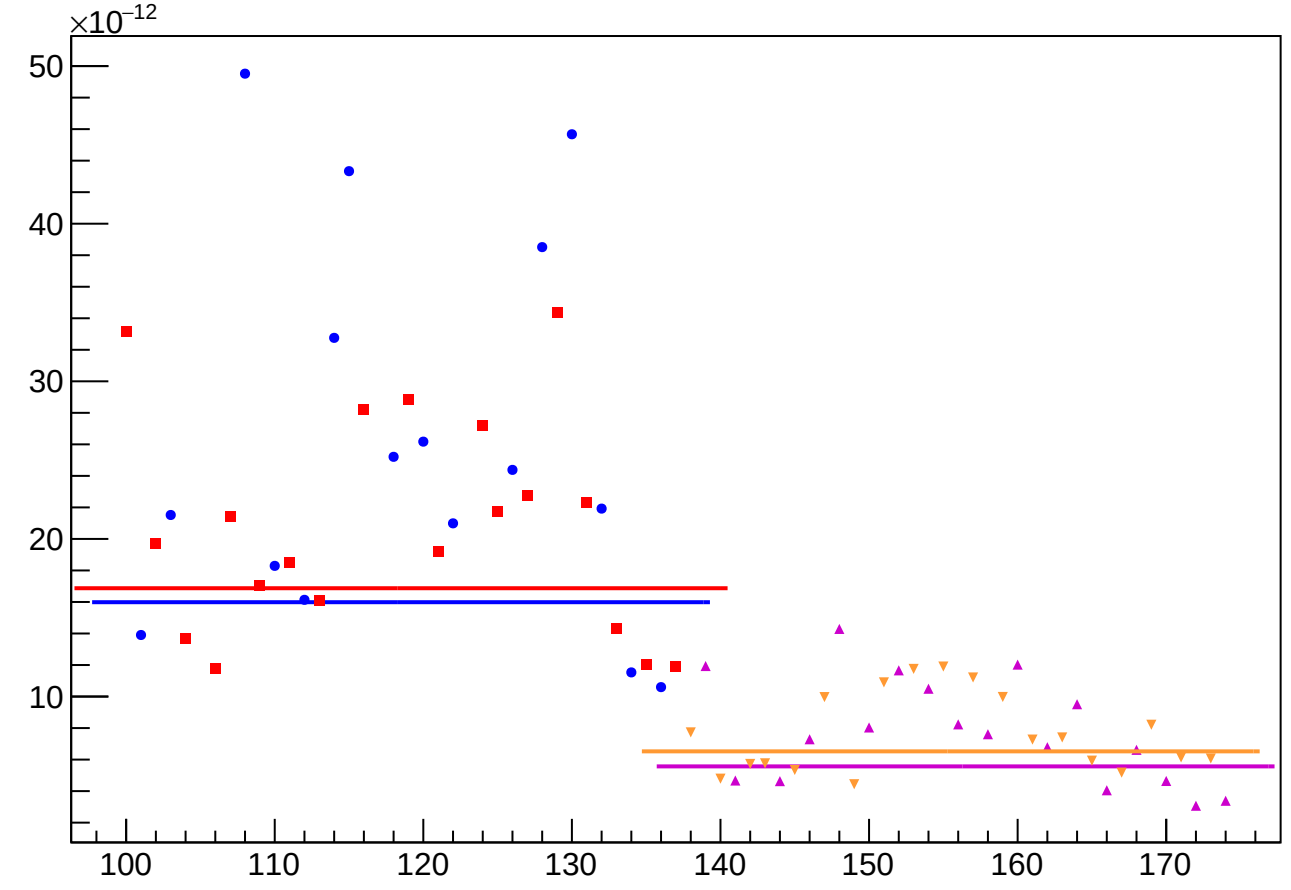
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.4/17

+ sign -0.000+/-0.000 χ^2/NDF: 54.8/34

All: -0.000+/-0.000 χ^2/NDF: 94.4/71

- sign 0.000+/-0.000 χ^2/NDF: 37.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1605298.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

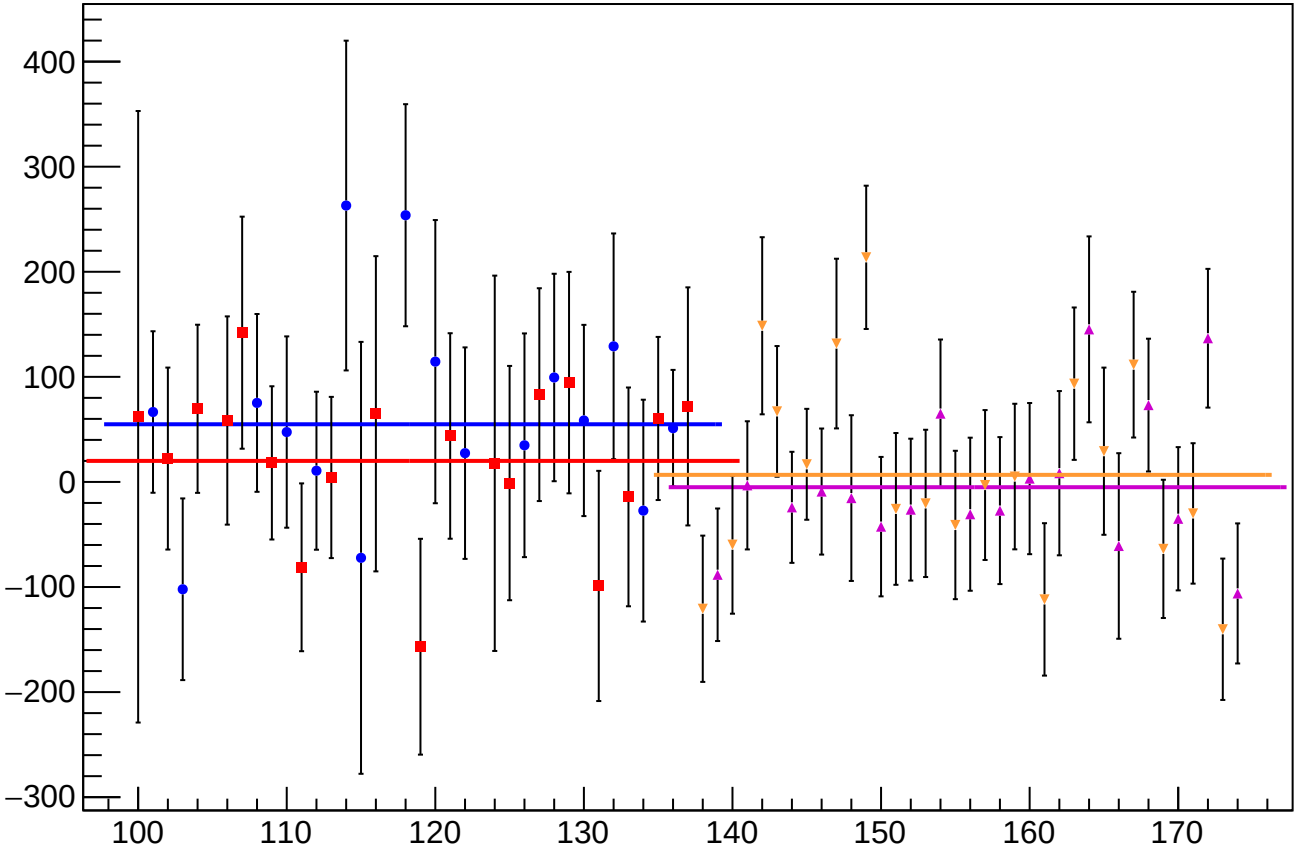
Left In: 0.000+/-0.000 χ^2/NDF:3313281.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 6119490.9/34

All: 0.000+/-0.000 χ^2/NDF: 14344025.0/71

- sign 0.000+/-0.000 χ^2/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: 6.737+/-15.835 χ^2/NDF:33.3/18

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

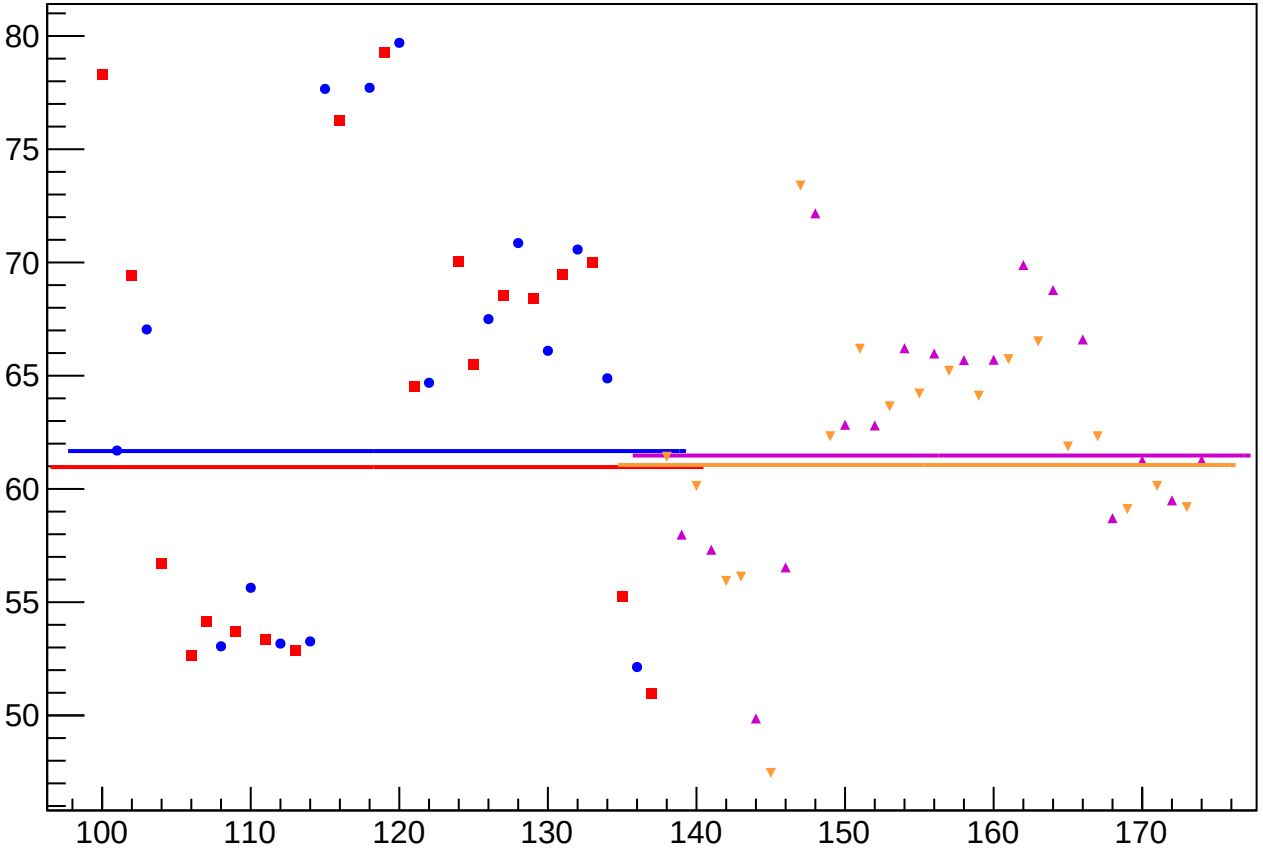
Left In: -5.014+/-16.031 χ^2/NDF:15.5/17

+ sign 22.057+/-13.075 χ^2/NDF: 47.3/34

All: 12.715+/-9.244 χ^2/NDF: 73.8/71

- 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: 61.057+/-0.011 χ^2/NDF:252244.0/18

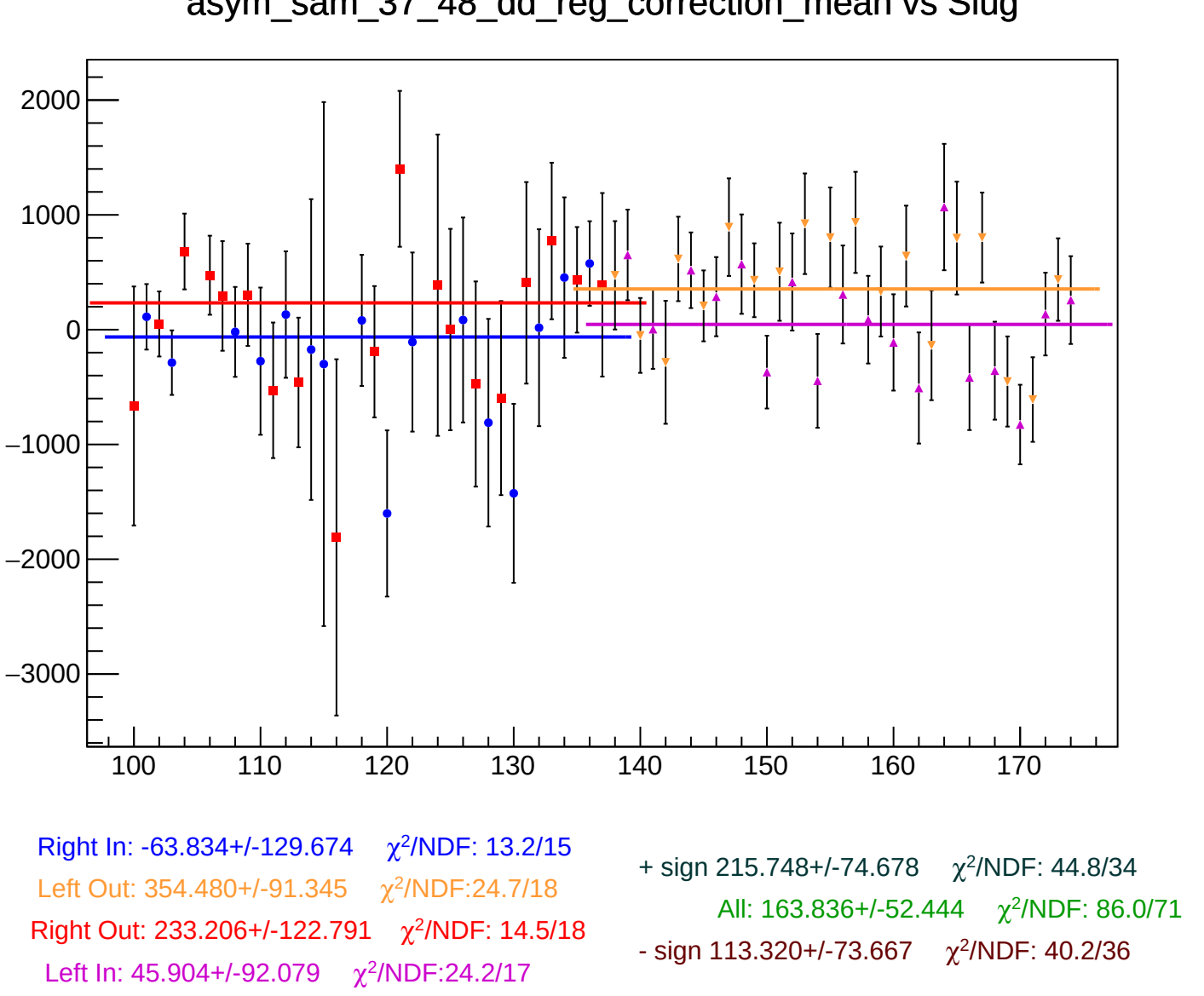
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.476+/-0.011 χ^2/NDF:244005.1/17

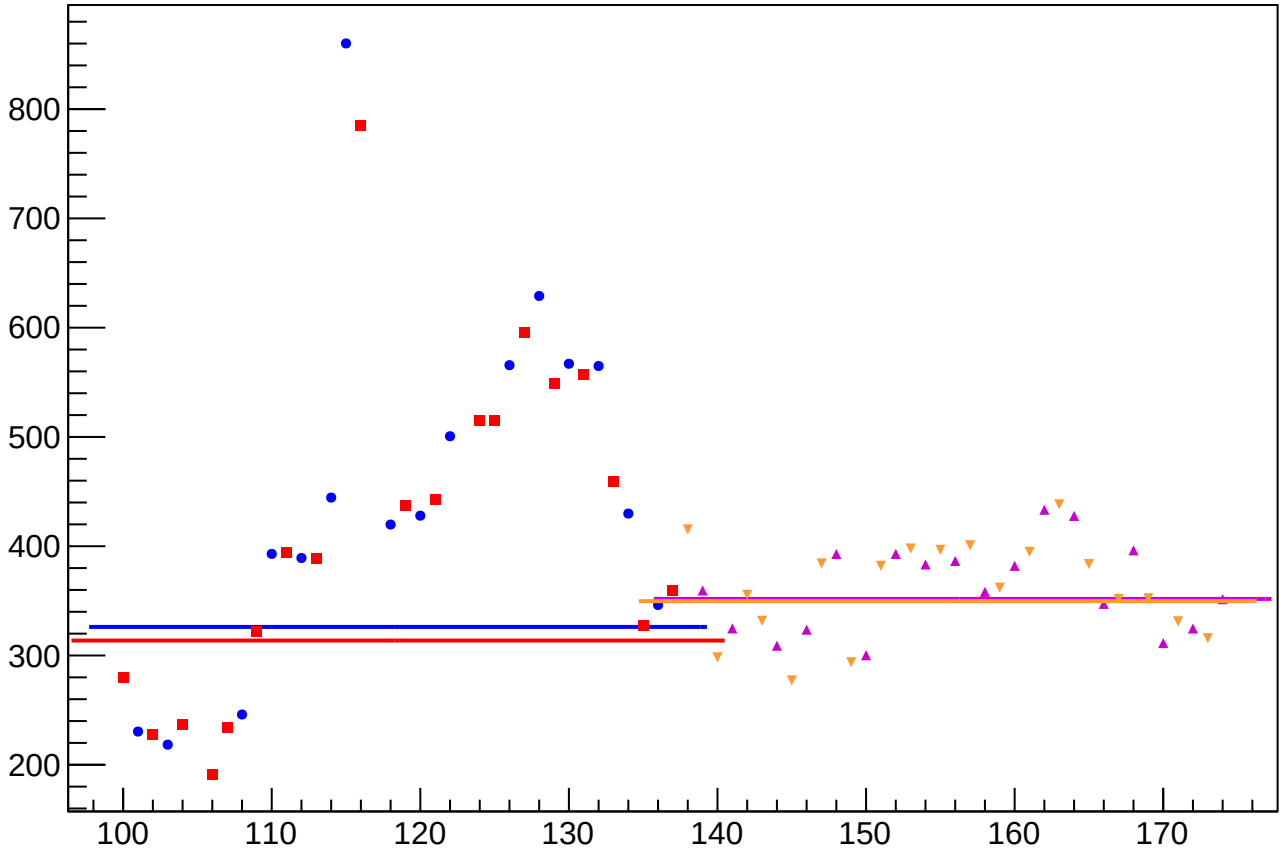
+ sign 61.253+/-0.009 χ^2/NDF: 520315.8/34

All: 61.279+/-0.007 χ^2/NDF: 1049198.9/71

- sign 61.305+/-0.009 χ^2/NDF: 528866.9/36


asym_sam_37_48_dd_reg_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: -63.834+/-129.674 χ²/NDF: 13.2/15
Left Out: 354.480+/-91.345 χ²/NDF:24.7/18
Right Out: 233.206+/-122.791 χ²/NDF: 14.5/18
Left In: 45.904+/-92.079 χ²/NDF:24.2/17
+ sign 215.748+/-74.678 χ²/NDF: 44.8/34
All: 163.836+/-52.444 χ²/NDF: 86.0/71
- sign 113.320+/-73.667 χ²/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: 349.730+/-0.065 χ^2/NDF:487294.7/18

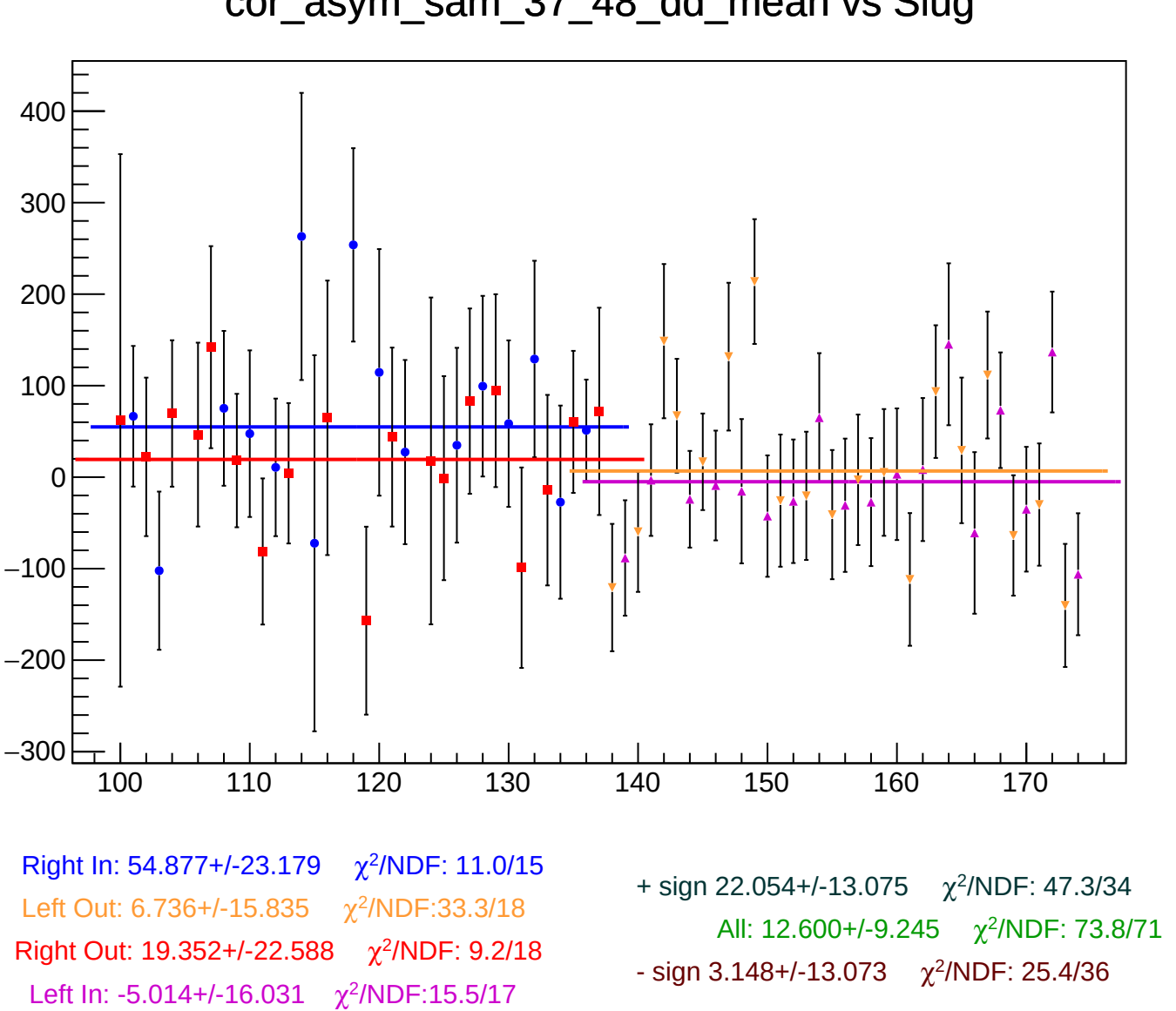
Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 351.782+/-0.065 χ^2/NDF:341242.4/17

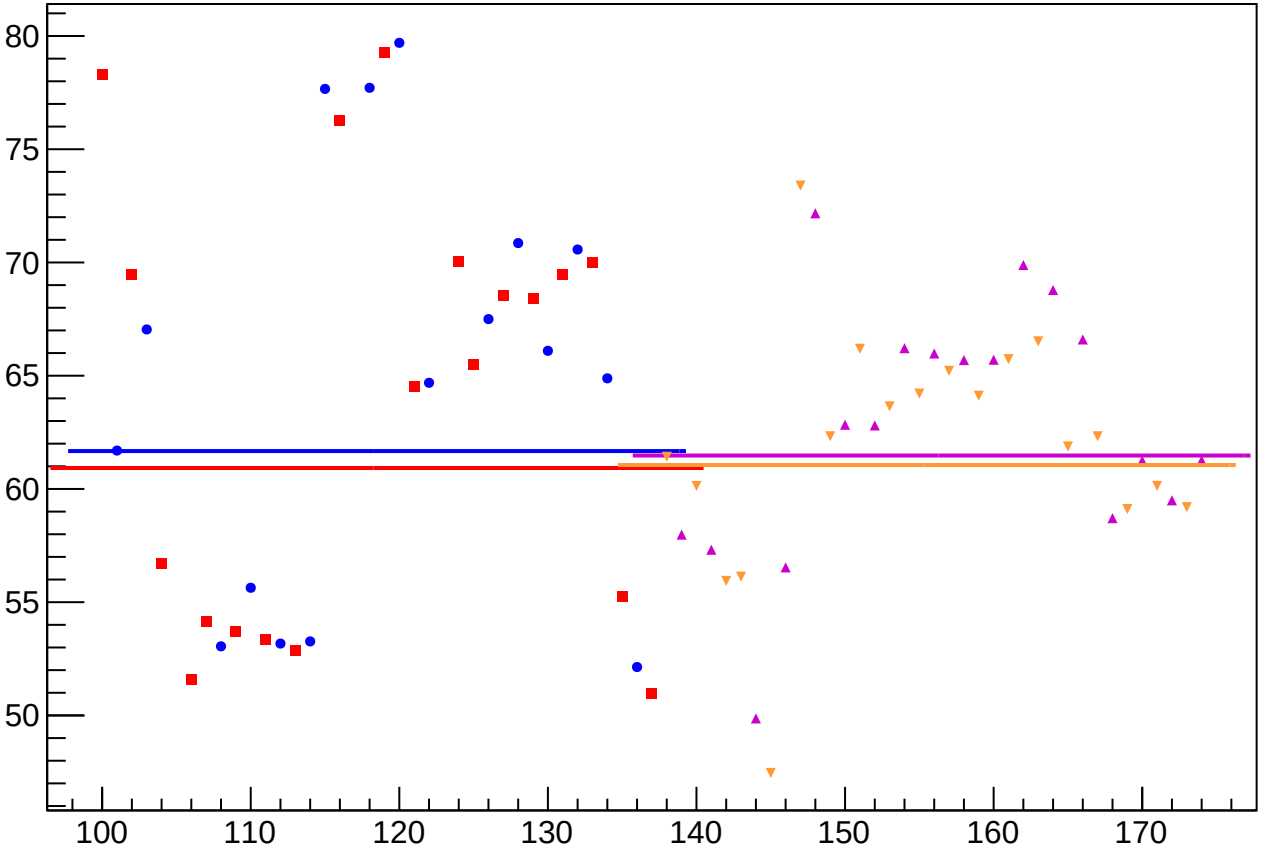
+ sign 341.909+/-0.053 χ^2/NDF: 2265499.7/34

All: 339.961+/-0.037 χ^2/NDF: 4520083.2/71

- sign 338.065+/-0.052 χ^2/NDF: 2251897.5/36


cor_asym_sam_37_48_dd_mean vs Slug
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: 6.736+/-15.835 χ²/NDF:33.3/18
Right Out: 19.352+/-22.588 χ²/NDF: 9.2/18
Left In: -5.014+/-16.031 χ²/NDF:15.5/17
+ sign 22.054+/-13.075 χ²/NDF: 47.3/34
All: 12.600+/-9.245 χ²/NDF: 73.8/71
- sign 3.148+/-13.073 χ²/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: 61.057+/-0.011 χ^2/NDF:252244.0/18

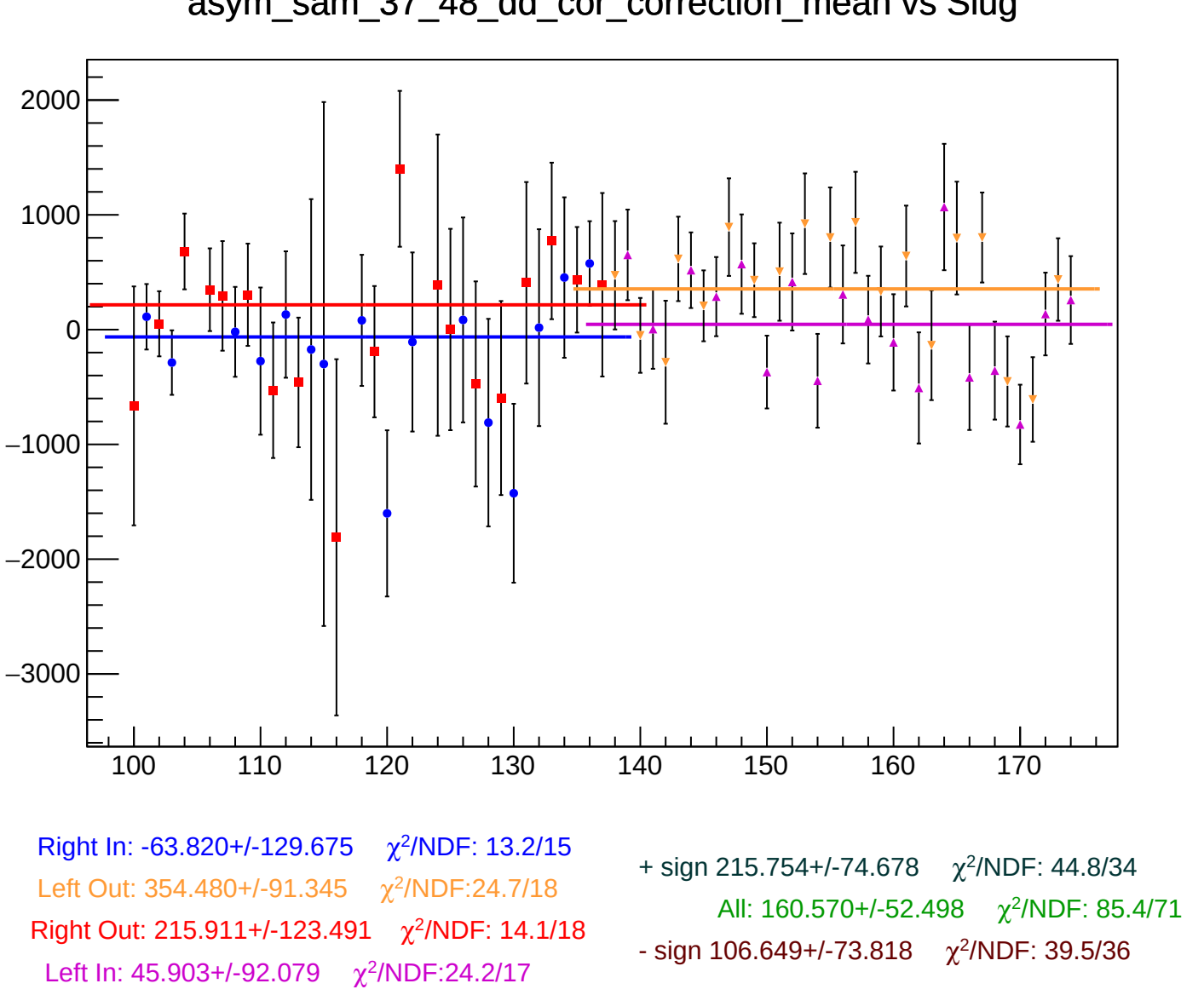
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.476+/-0.011 χ^2/NDF:244005.1/17

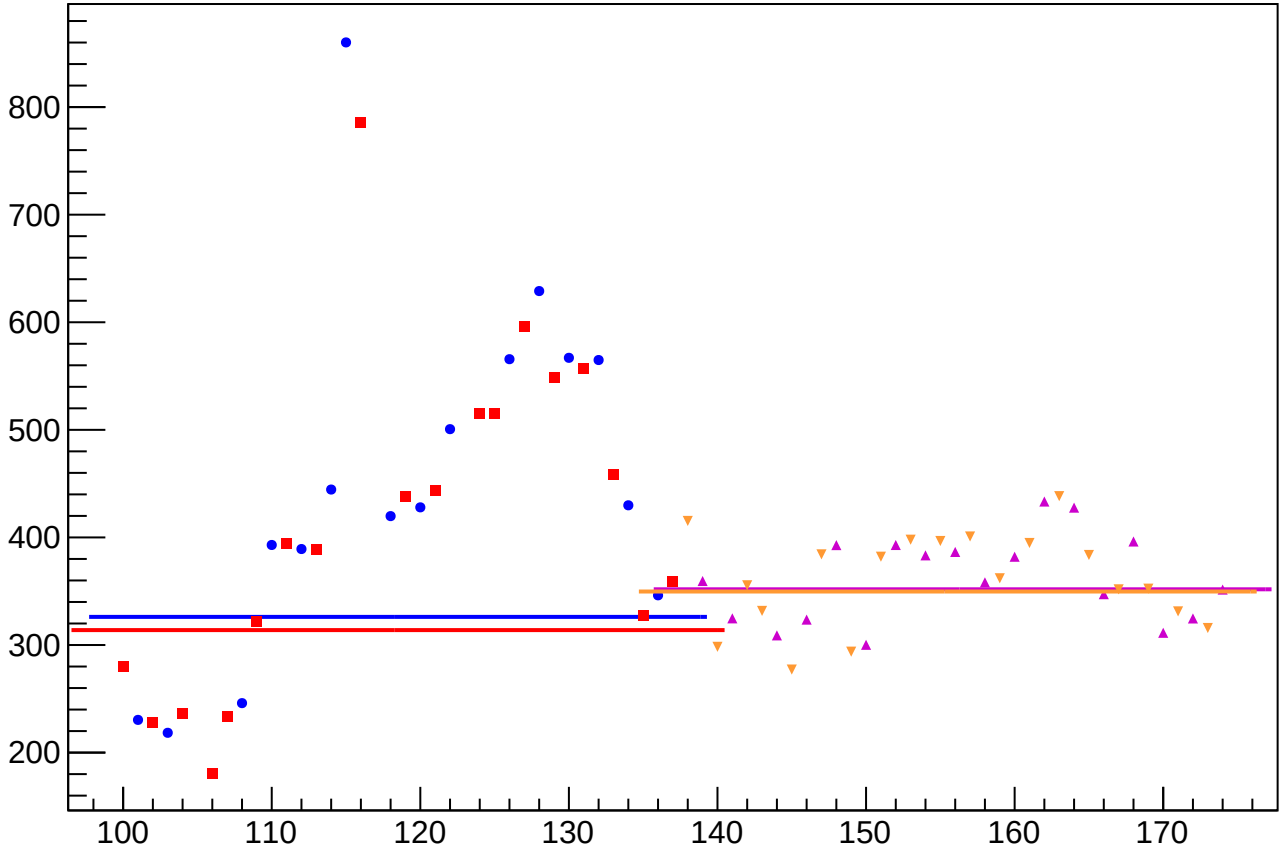
+ sign 61.253+/-0.009 χ^2/NDF: 520316.0/34

All: 61.272+/-0.007 χ^2/NDF: 1052700.3/71

- 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: 354.480+/-91.345 χ²/NDF:24.7/18
Right Out: 215.911+/-123.491 χ²/NDF: 14.1/18
Left In: 45.903+/-92.079 χ²/NDF:24.2/17
+ sign 215.754+/-74.678 χ²/NDF: 44.8/34
All: 160.570+/-52.498 χ²/NDF: 85.4/71
- 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: 349.730+/-0.065 χ^2/NDF:487292.8/18

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

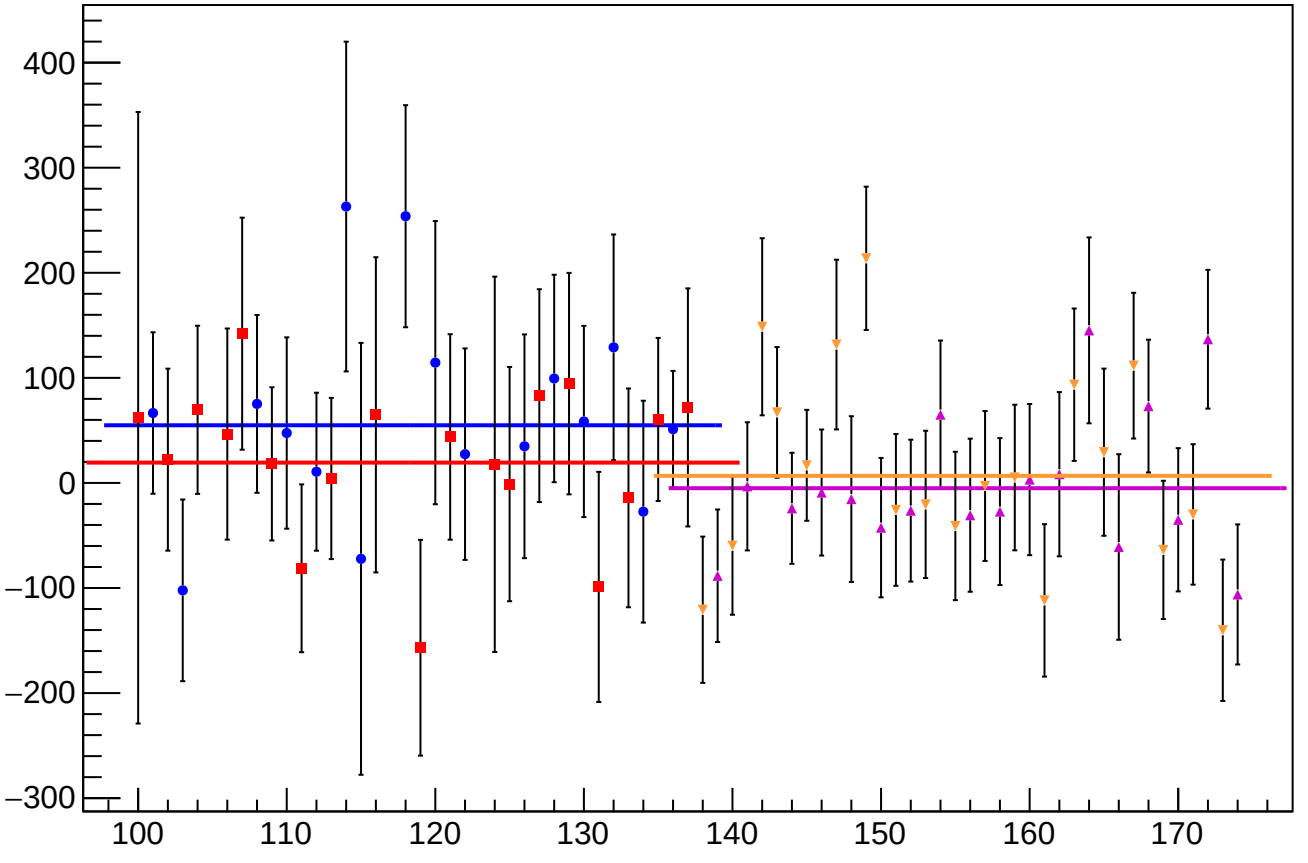
Left In: 351.782+/-0.065 χ^2/NDF:341243.8/17

\+ sign 341.910+/-0.053 χ^2/NDF: 2265426.4/34

All: 340.050+/-0.037 χ^2/NDF: 4536105.5/71

\- 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: 6.736+/-15.835 χ^2/NDF:33.3/18

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

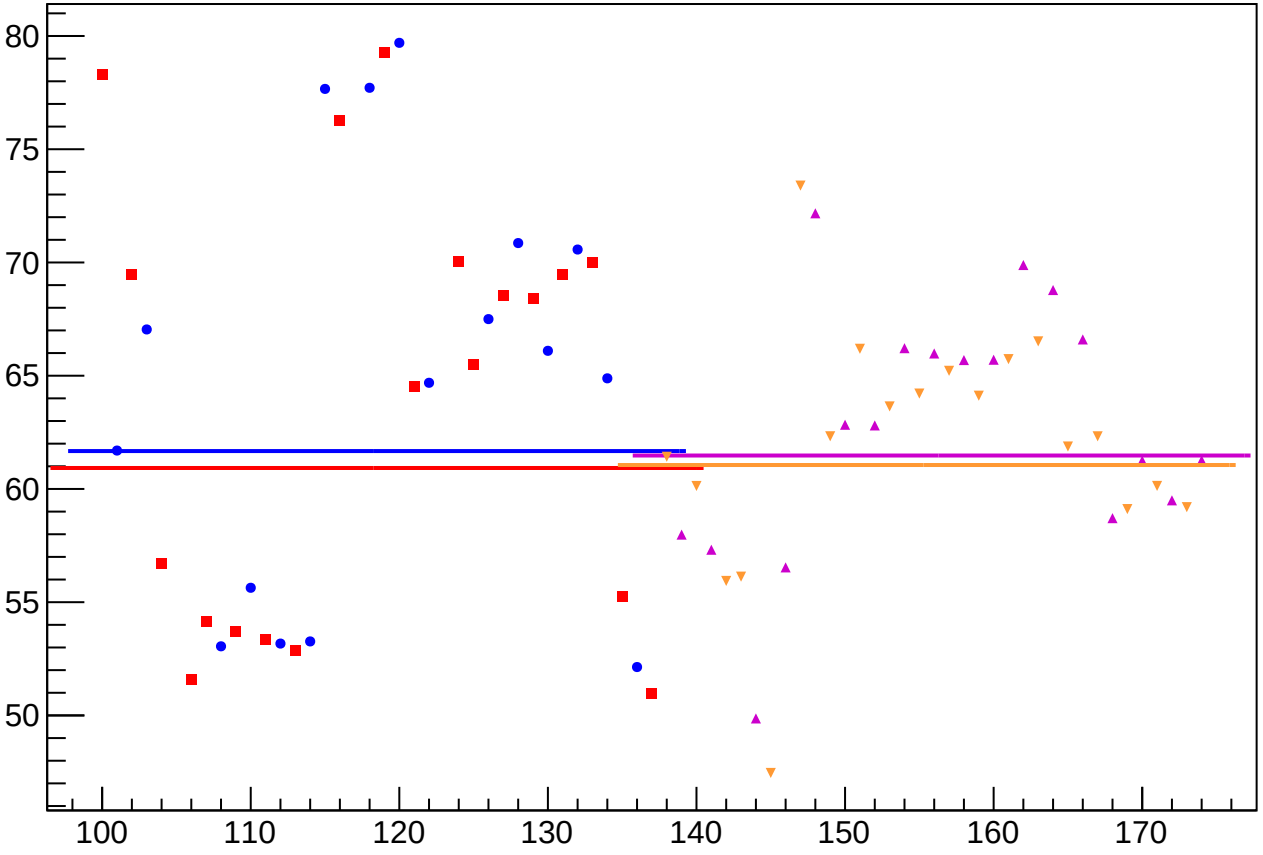
Left In: -5.014+/-16.031 χ^2/NDF:15.5/17

+ sign 22.054+/-13.075 χ^2/NDF: 47.3/34

All: 12.600+/-9.245 χ^2/NDF: 73.8/71

- 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: 61.057+/-0.011 χ^2/NDF:252244.0/18

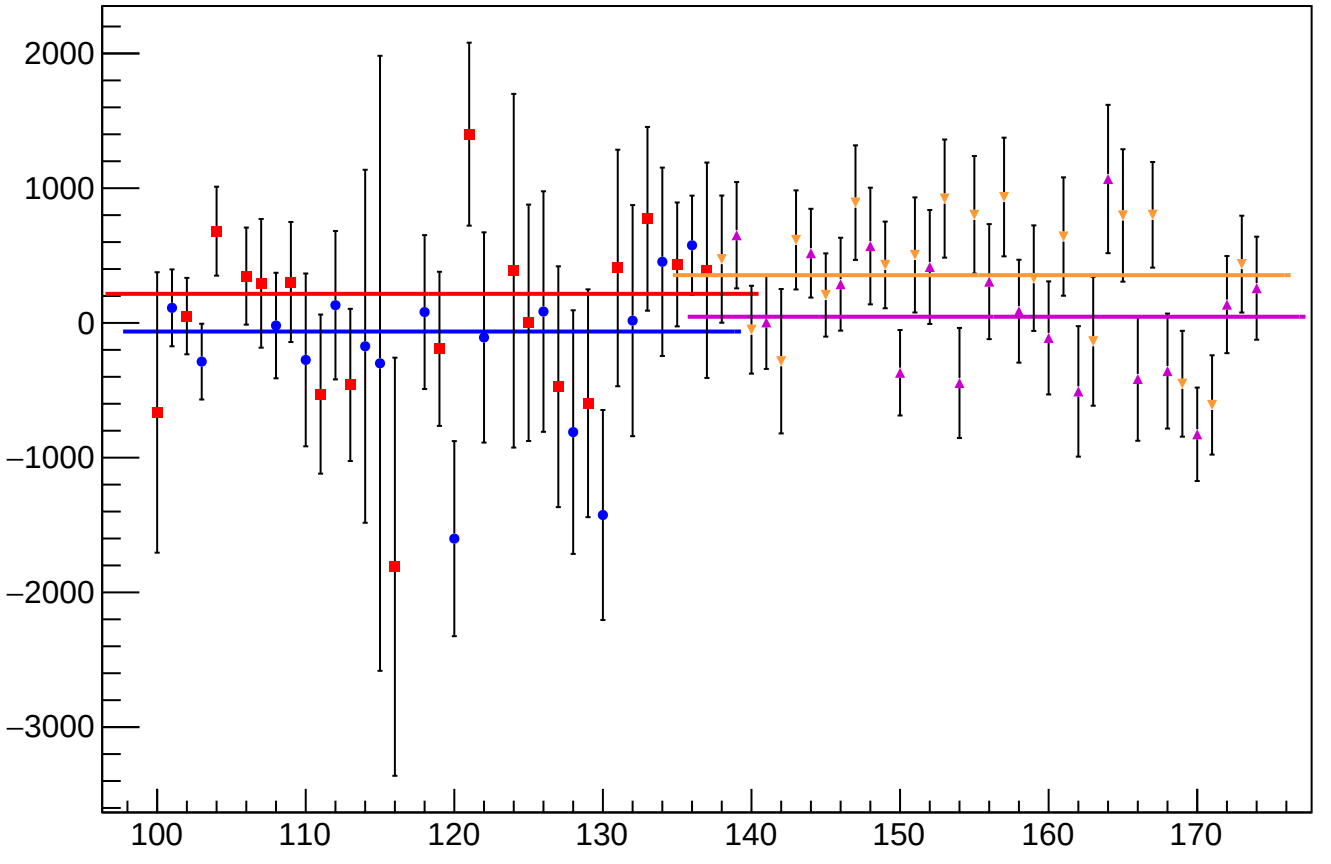
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.476+/-0.011 χ^2/NDF:244005.1/17

+ sign 61.253+/-0.009 χ^2/NDF: 520316.0/34

All: 61.272+/-0.007 χ^2/NDF: 1052700.3/71

- 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: 354.480+/-91.345 χ^2/NDF:24.7/18

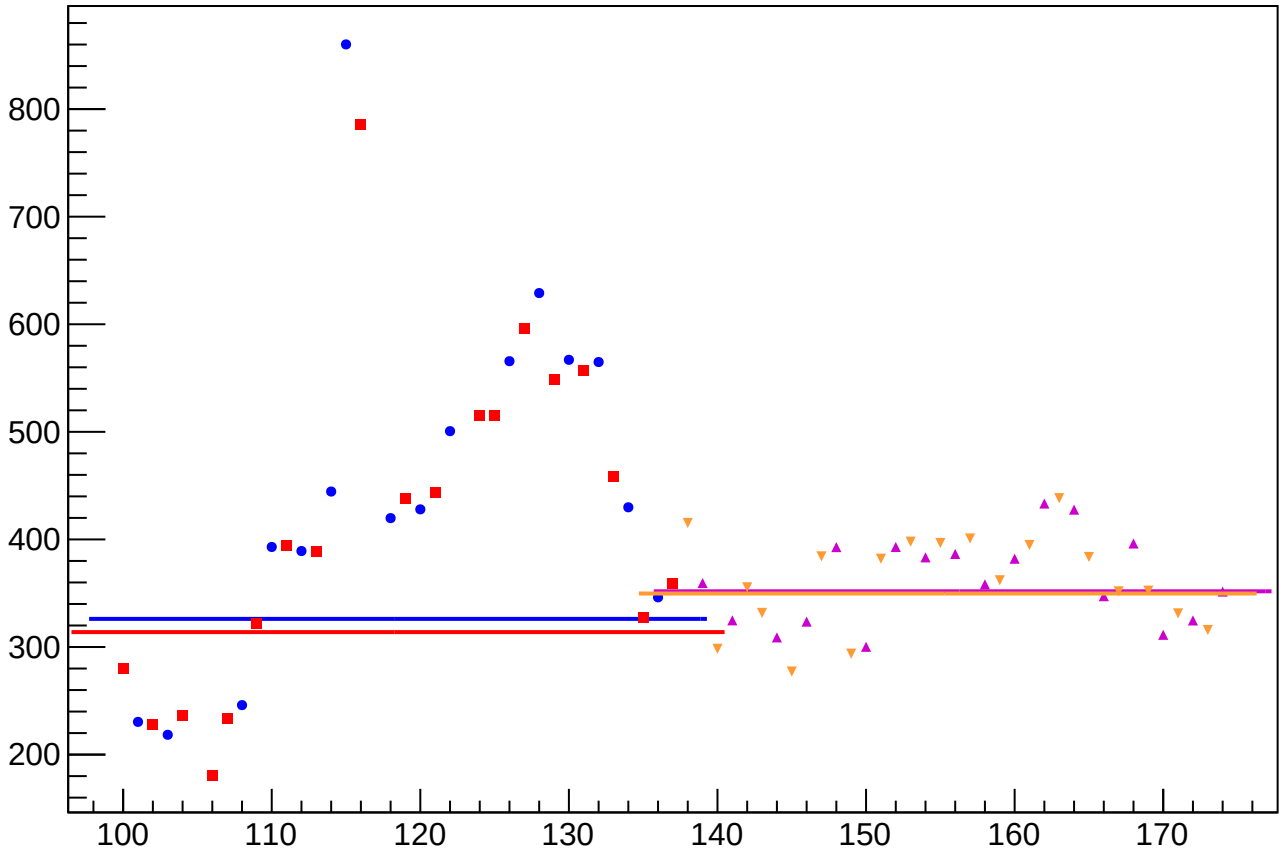
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 45.903+/-92.079 χ^2/NDF:24.2/17

+ sign 215.754+/-74.678 χ^2/NDF: 44.8/34

All: 160.570+/-52.498 χ^2/NDF: 85.4/71

- 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: 349.730+/-0.065 χ^2/NDF:487292.8/18

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

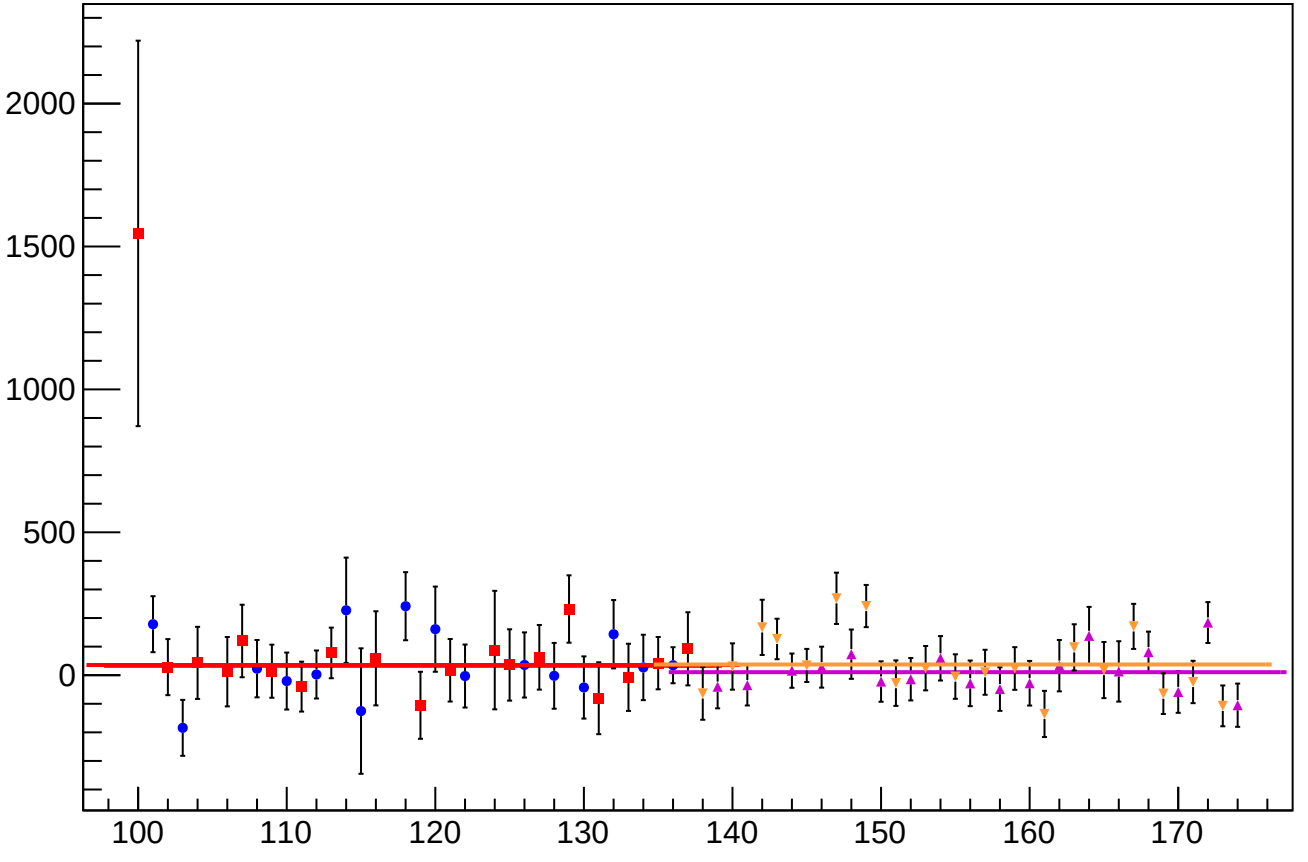
Left In: 351.782+/-0.065 χ^2/NDF:341243.8/17

+ sign 341.910+/-0.053 χ^2/NDF: 2265426.4/34

All: 340.050+/-0.037 χ^2/NDF: 4536105.5/71

- 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: 37.495+/-17.797 χ^2/NDF:35.0/18

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

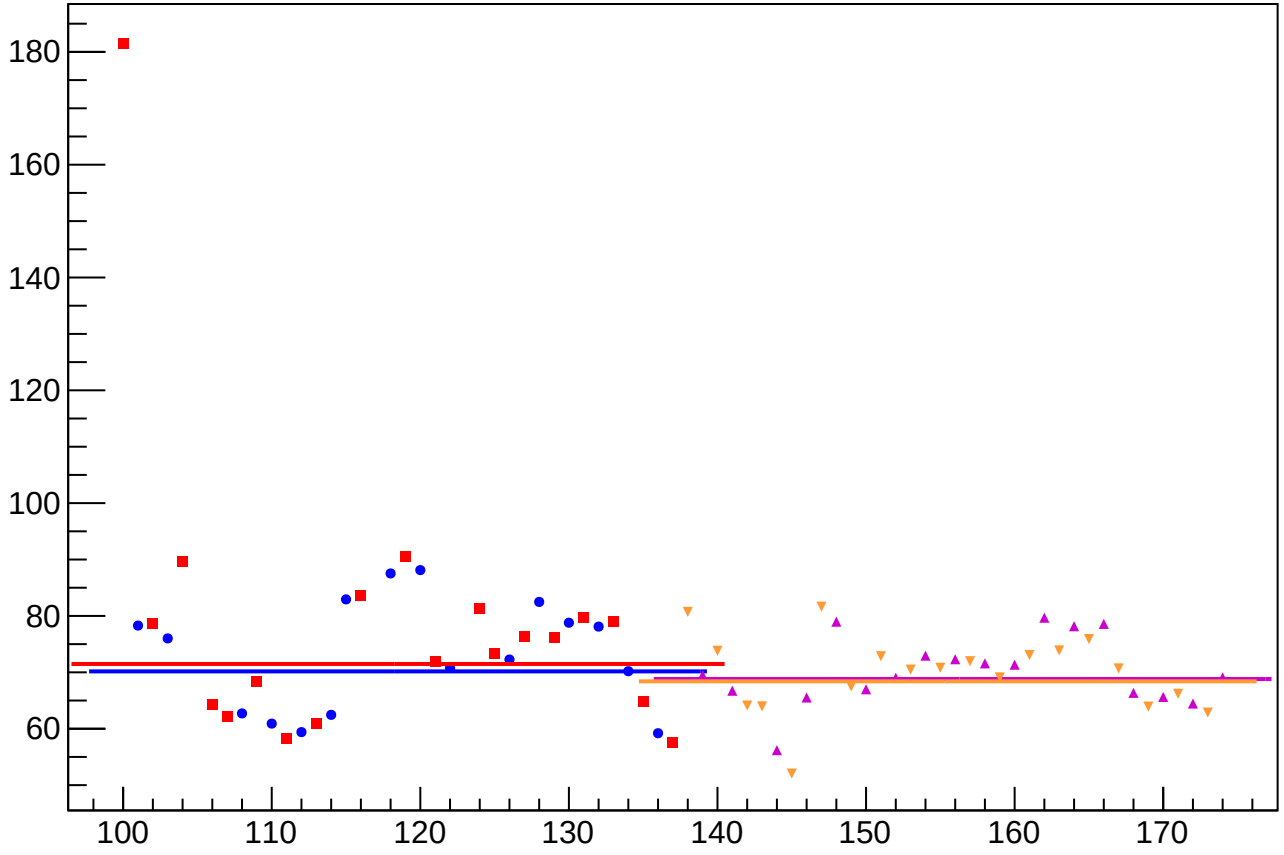
Left In: 10.546+/-18.014 χ^2/NDF:15.0/17

+ sign 36.216+/-14.759 χ^2/NDF: 49.5/34

All: 27.416+/-10.487 χ^2/NDF: 77.9/71

- 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: 68.402+/-0.013 χ^2/NDF:324340.3/18

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

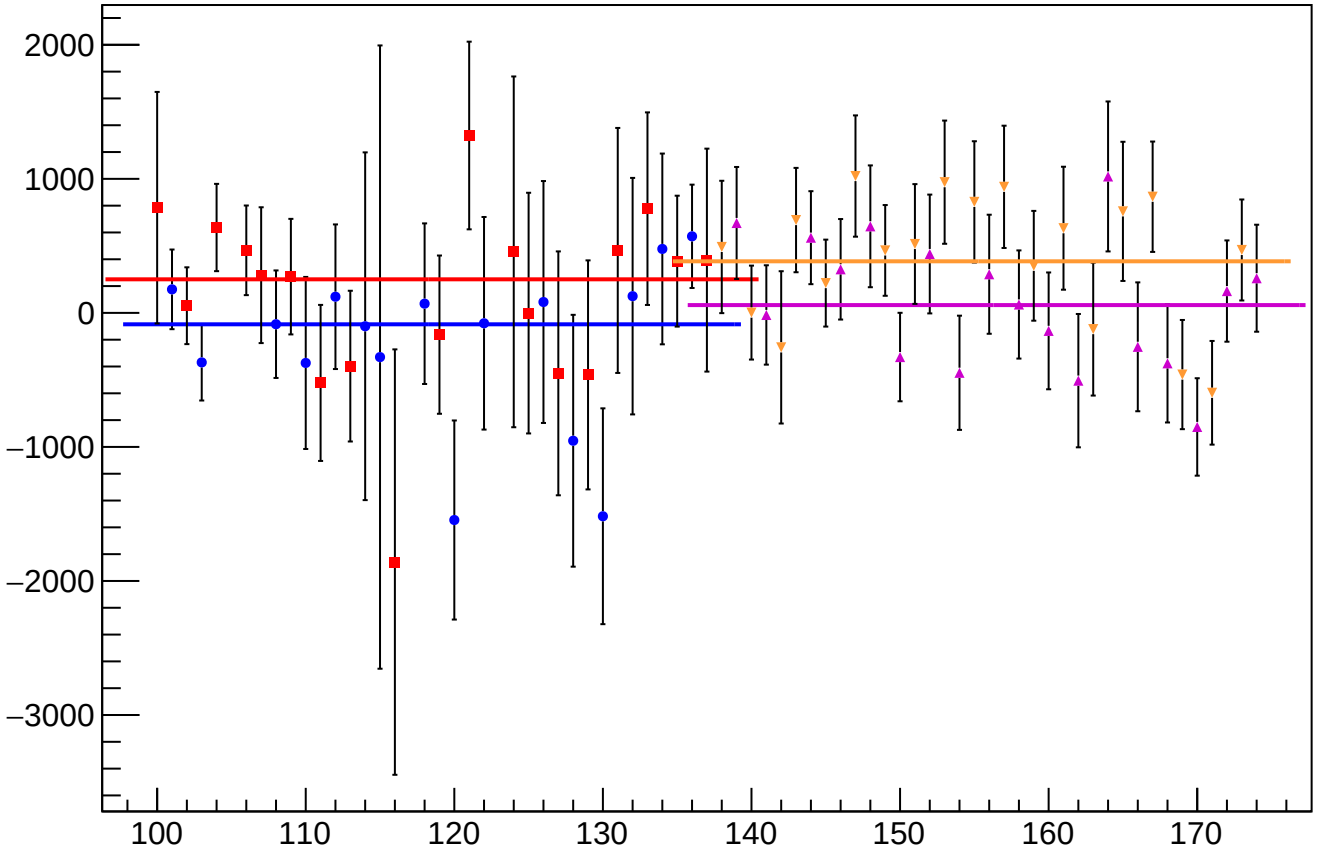
Left In: 68.813+/-0.013 χ^2/NDF:215200.1/17

+ sign 68.953+/-0.010 χ^2/NDF: 599734.0/34

All: 69.301+/-0.007 χ^2/NDF: 1156751.3/71

- sign 69.655+/-0.011 χ^2/NDF: 554775.9/36

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 384.824+/-95.936 χ^2/NDF:23.6/18

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

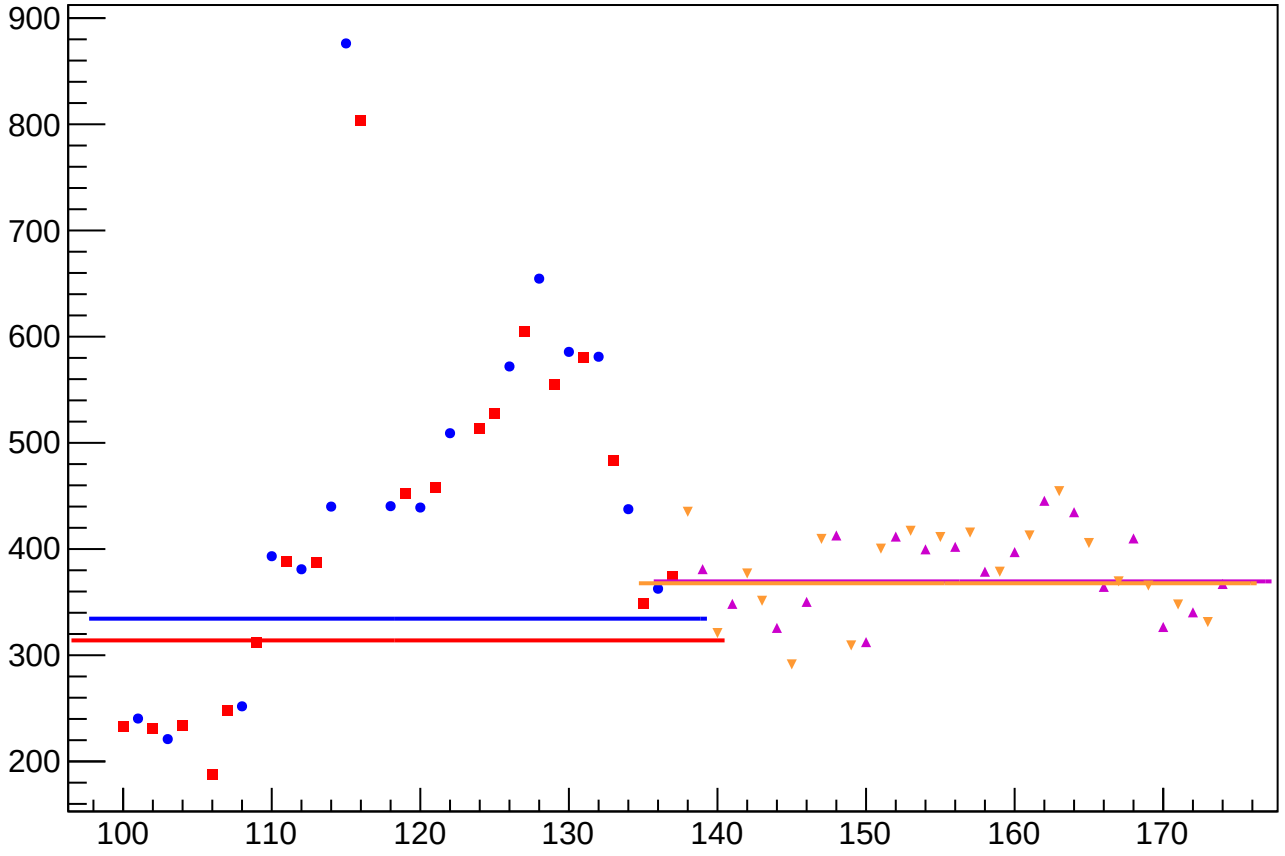
Left In: 58.197+/-96.638 χ^2/NDF:22.7/17

+ sign 223.773+/-77.782 χ^2/NDF: 45.5/34

All: 176.528+/-54.381 χ^2/NDF: 82.9/71

- 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: 367.769+/-0.068 χ^2/NDF:455942.1/18

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

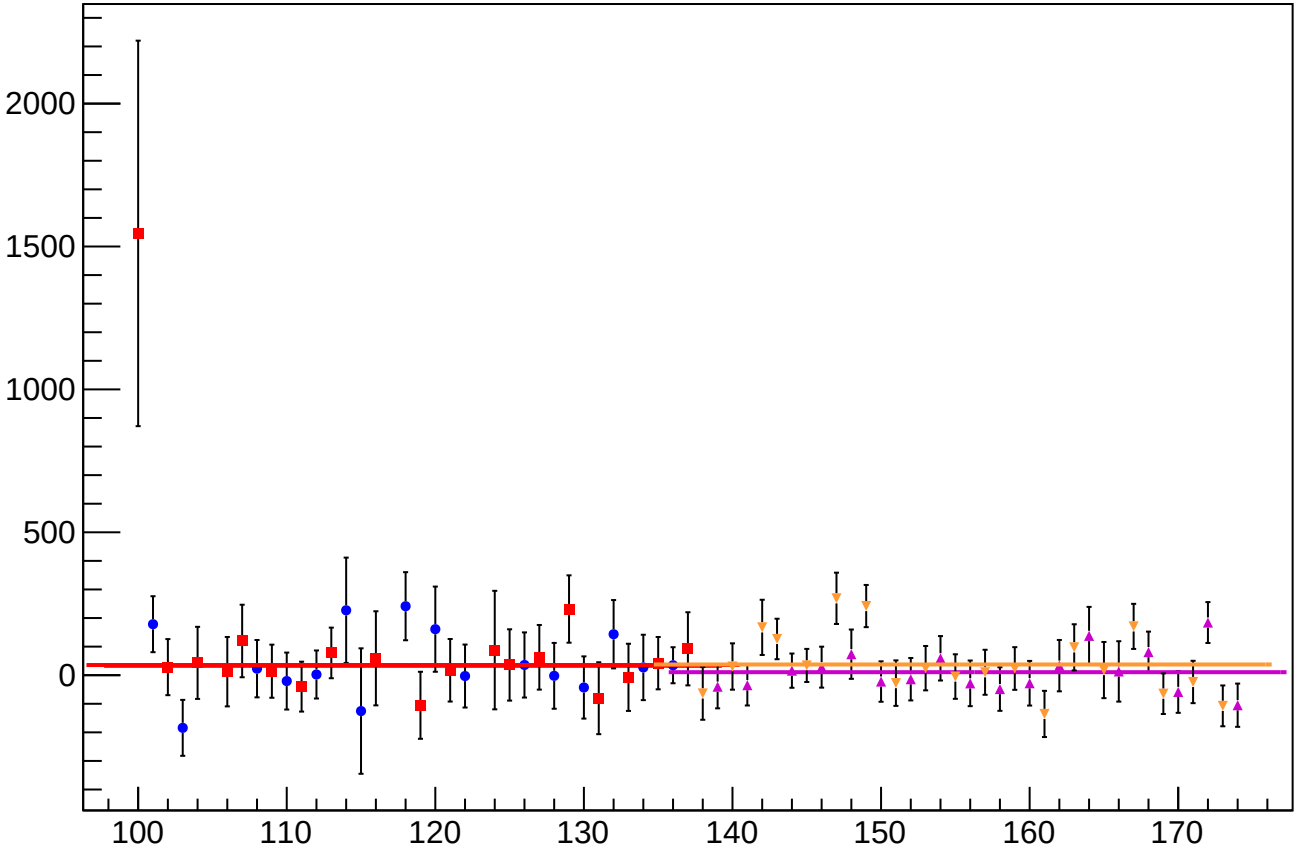
Left In: 369.542+/-0.068 χ^2/NDF:301902.1/17

+ sign 356.346+/-0.055 χ^2/NDF: 2269310.7/34

All: 352.282+/-0.038 χ^2/NDF: 4738159.2/71

- 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: 37.494+/-17.797 χ^2/NDF:35.0/18

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

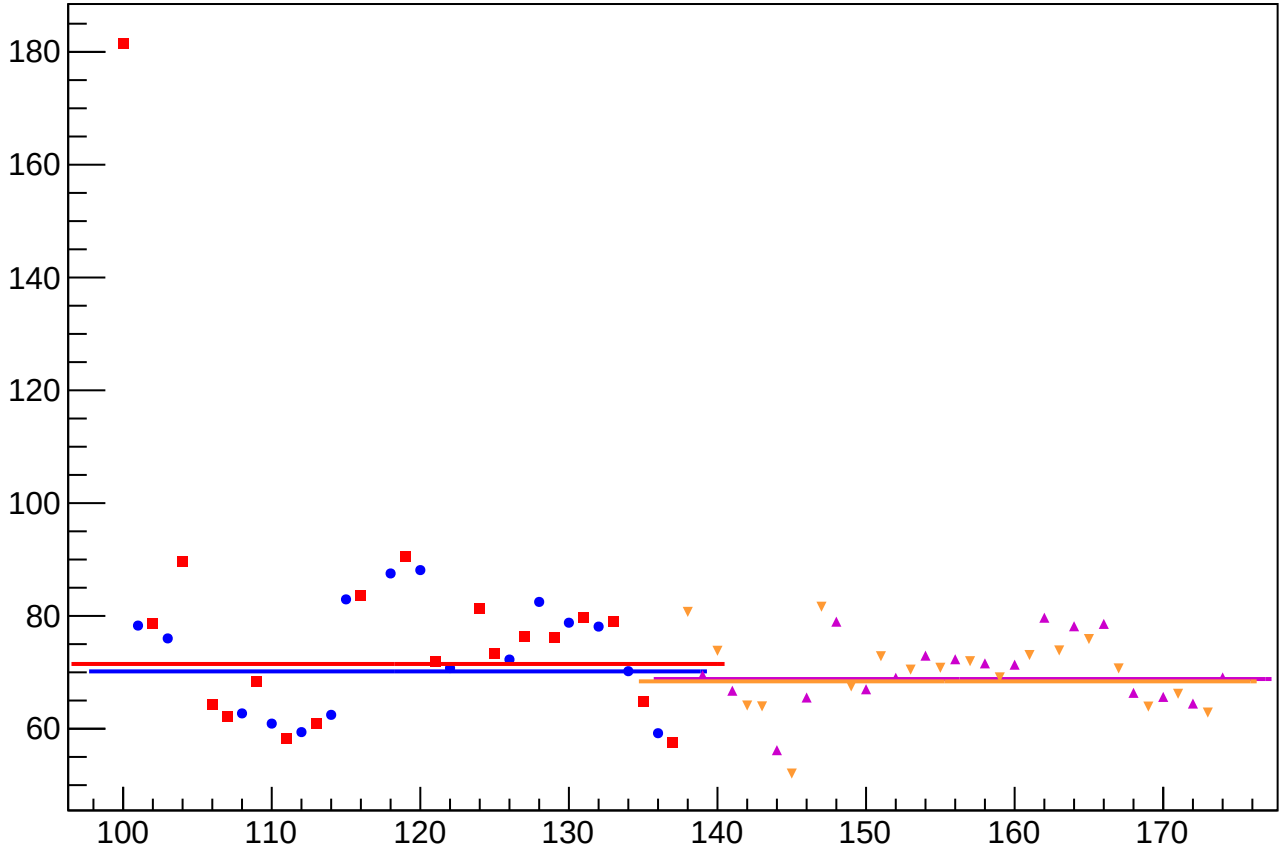
Left In: 10.546+/-18.014 χ^2/NDF:15.0/17

+ sign 36.215+/-14.759 χ^2/NDF: 49.5/34

All: 27.416+/-10.487 χ^2/NDF: 77.9/71

- 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: 68.402+/-0.013 χ^2/NDF:324346.7/18

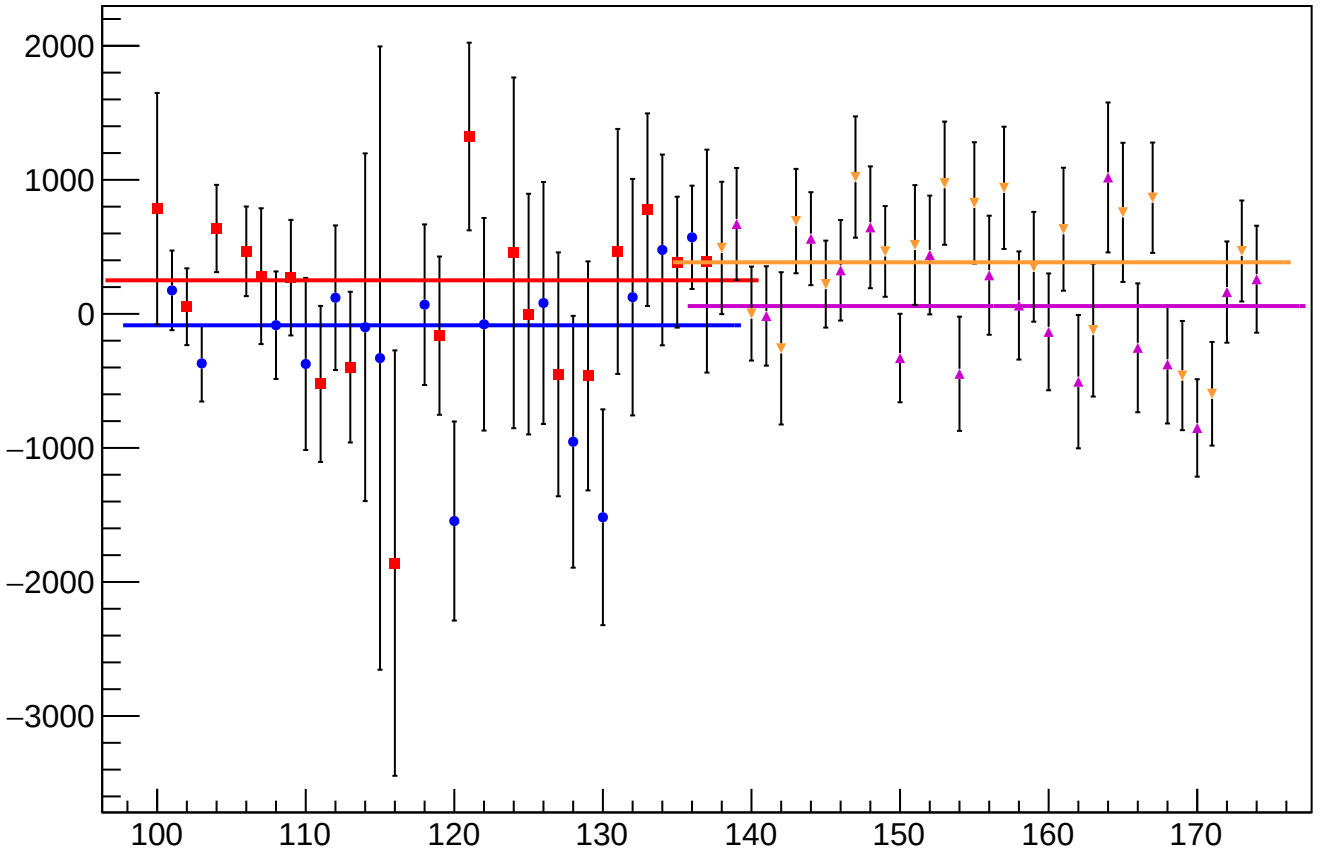
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 68.813+/-0.013 χ^2/NDF:215202.3/17

+ sign 68.953+/-0.010 χ^2/NDF: 599744.4/34

All: 69.301+/-0.007 χ^2/NDF: 1156771.6/71

- 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: 384.823+/-95.936 χ^2/NDF:23.6/18

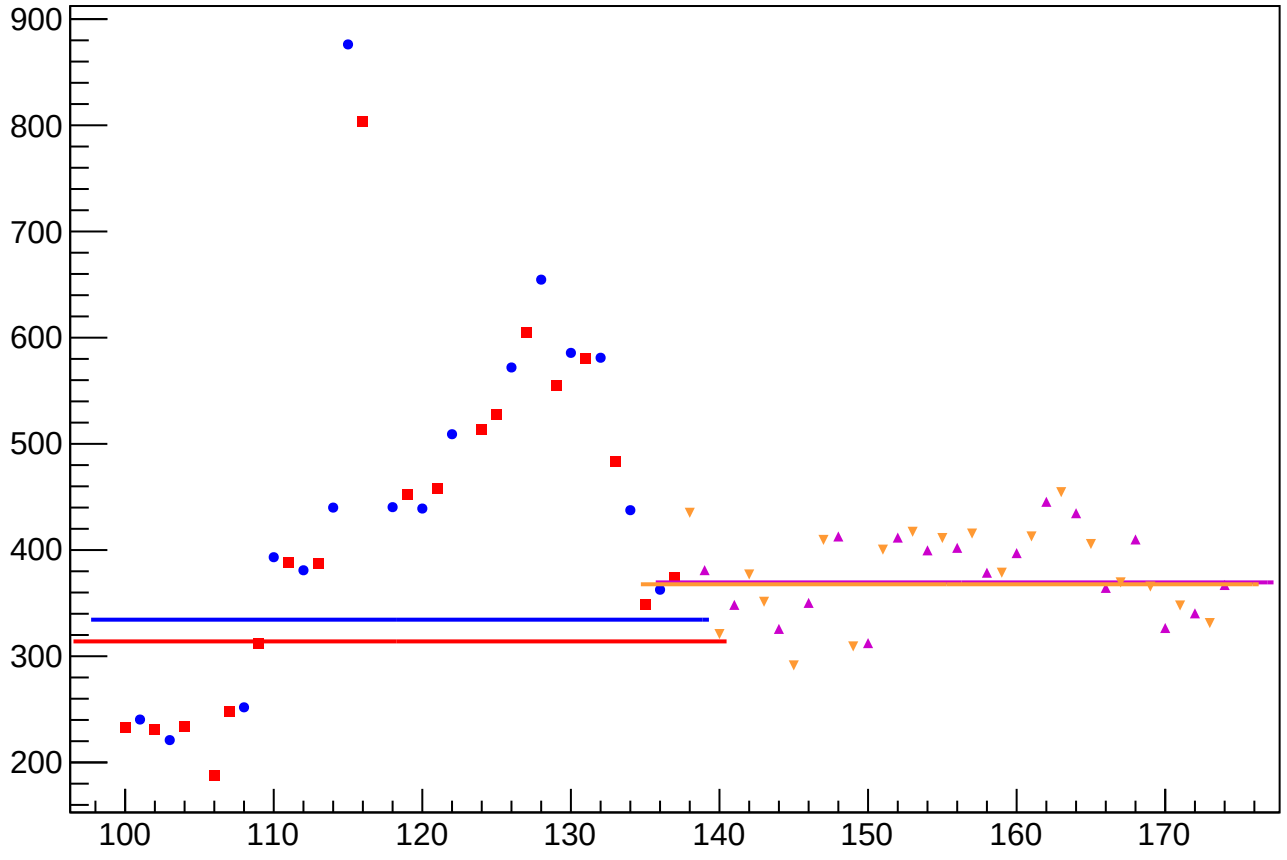
Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: 58.197+/-96.638 χ^2/NDF:22.7/17

\+ sign 223.772+/-77.782 χ^2/NDF: 45.5/34

All: 176.527+/-54.381 χ^2/NDF: 82.9/71

\- 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: 367.769+/-0.068 χ^2/NDF:455946.2/18

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

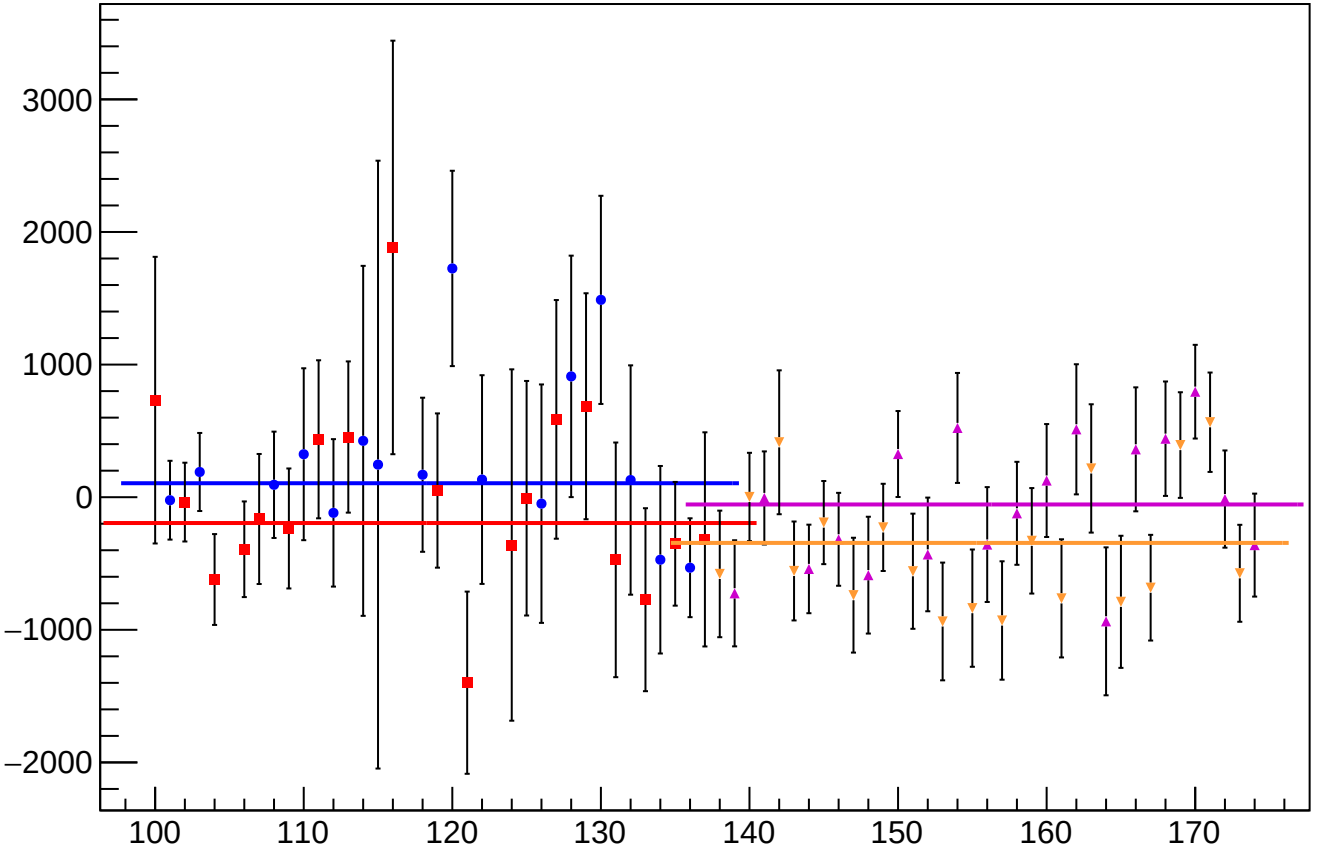
Left In: 369.542+/-0.068 χ^2/NDF:301902.5/17

+ sign 356.346+/-0.055 χ^2/NDF: 2269311.6/34

All: 352.282+/-0.038 χ^2/NDF: 4738157.5/71

- 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: -344.681+/-92.794 χ^2/NDF:23.2/18

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

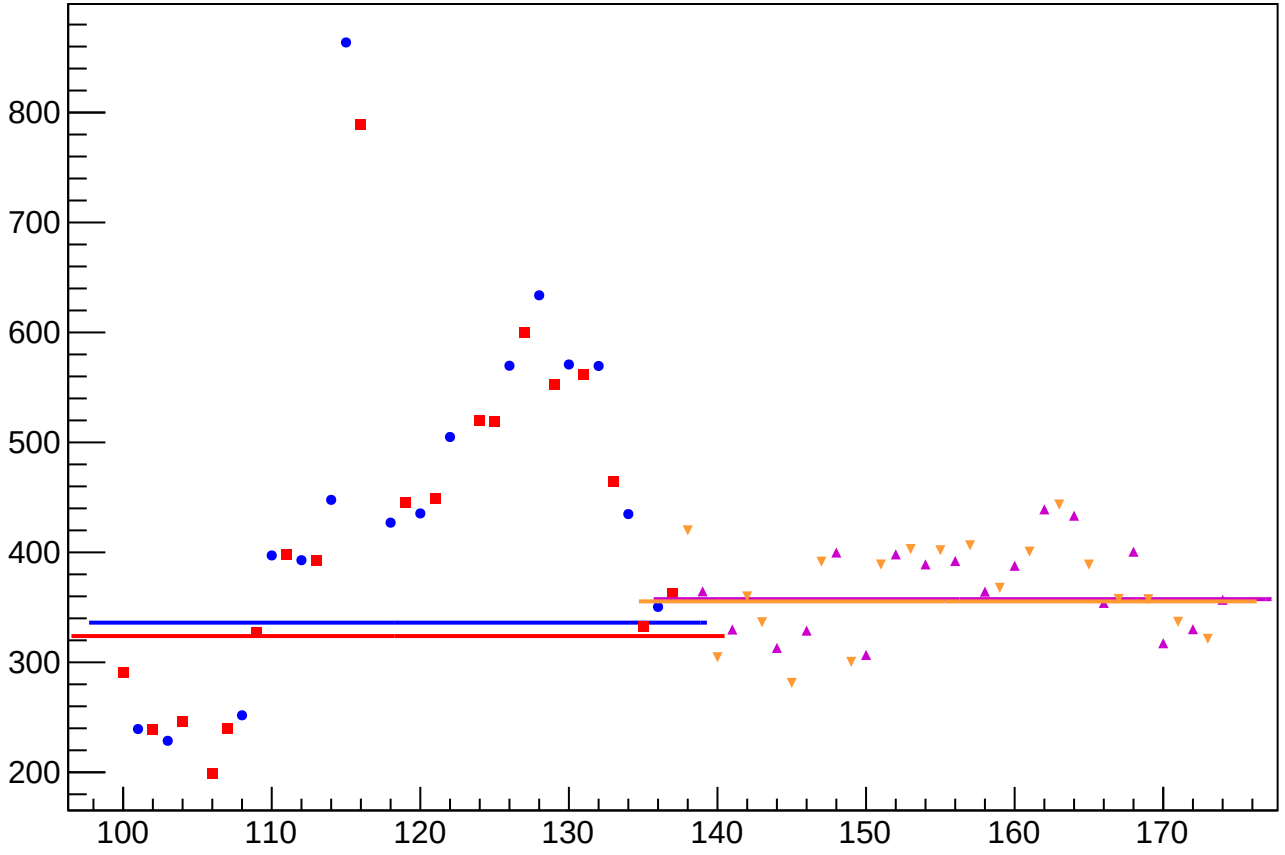
Left In: -54.778+/-93.537 χ^2/NDF:24.1/17

+ sign -197.393+/-76.110 χ^2/NDF: 43.9/34

All: -150.301+/-53.474 χ^2/NDF: 82.7/71

- 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: 355.432+/-0.066 χ^2/NDF:473617.1/18

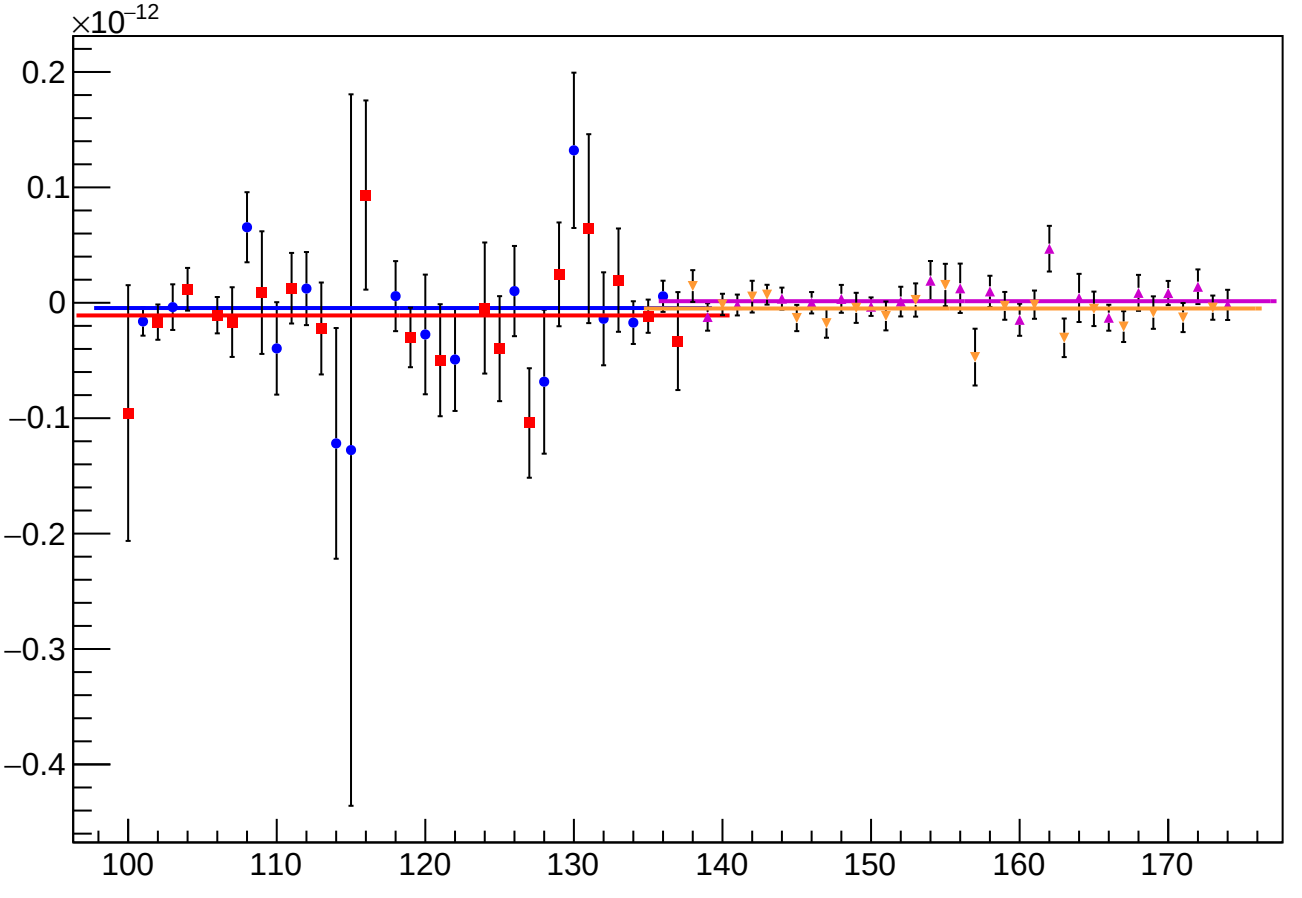
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 357.460+/-0.066 χ^2/NDF:331754.5/17

+ sign 349.103+/-0.054 χ^2/NDF: 2121044.4/34

All: 347.306+/-0.038 χ^2/NDF: 4211785.0/71

- 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:15.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

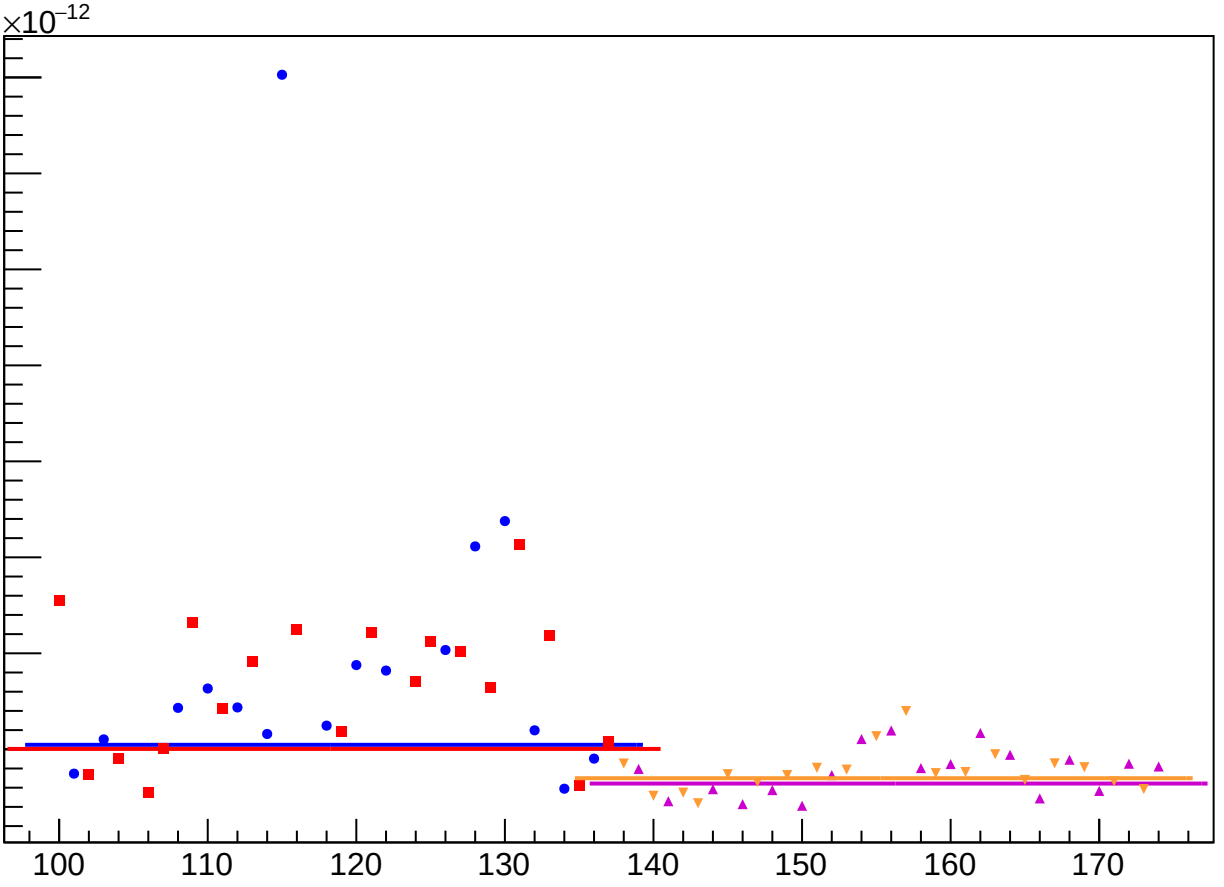
Left In: 0.000+/-0.000 χ^2/NDF:13.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/34

All: -0.000+/-0.000 χ^2/NDF: 61.7/71

- 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:735069.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

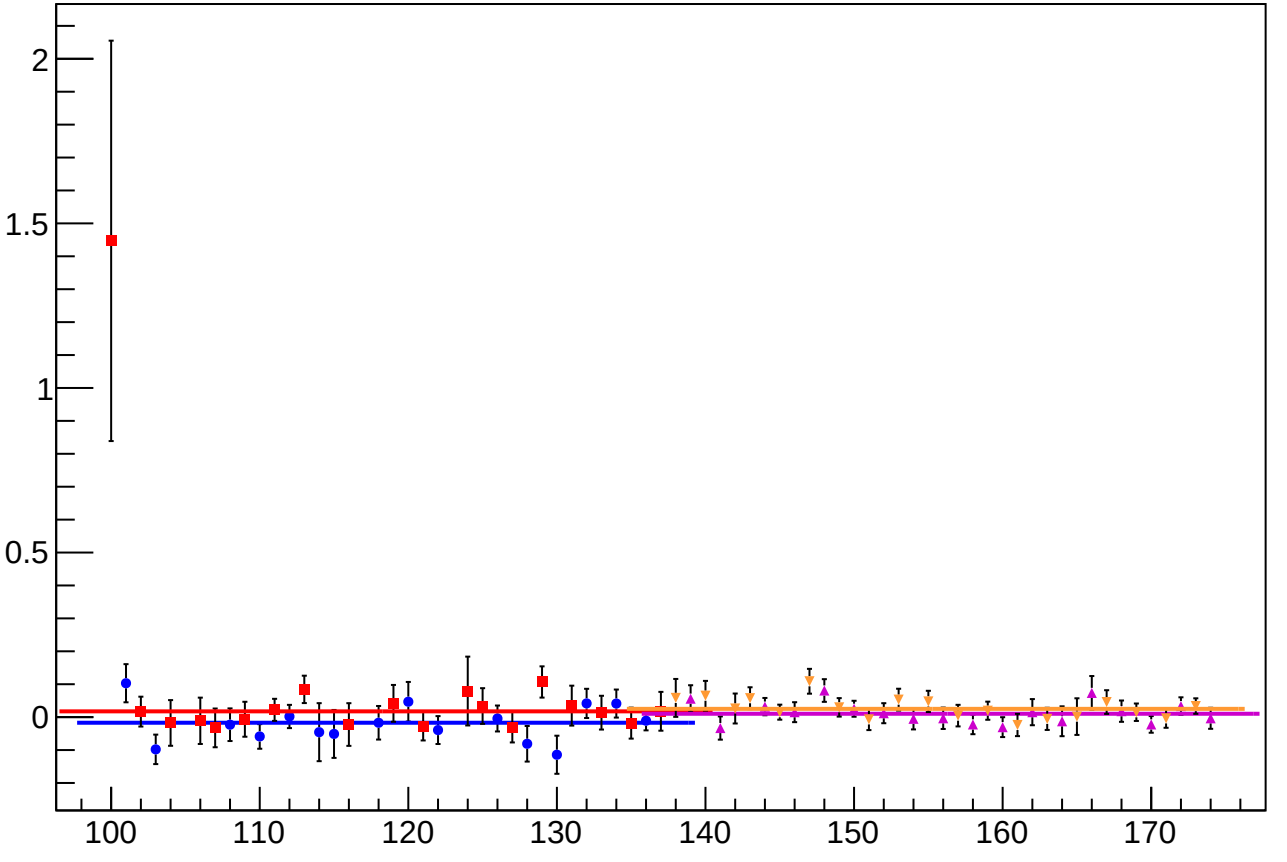
Left In: 0.000+/-0.000 χ^2/NDF:1122366.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 2404038.9/34

All: 0.000+/-0.000 χ^2/NDF: 5513461.0/71

- 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:14.5/18

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

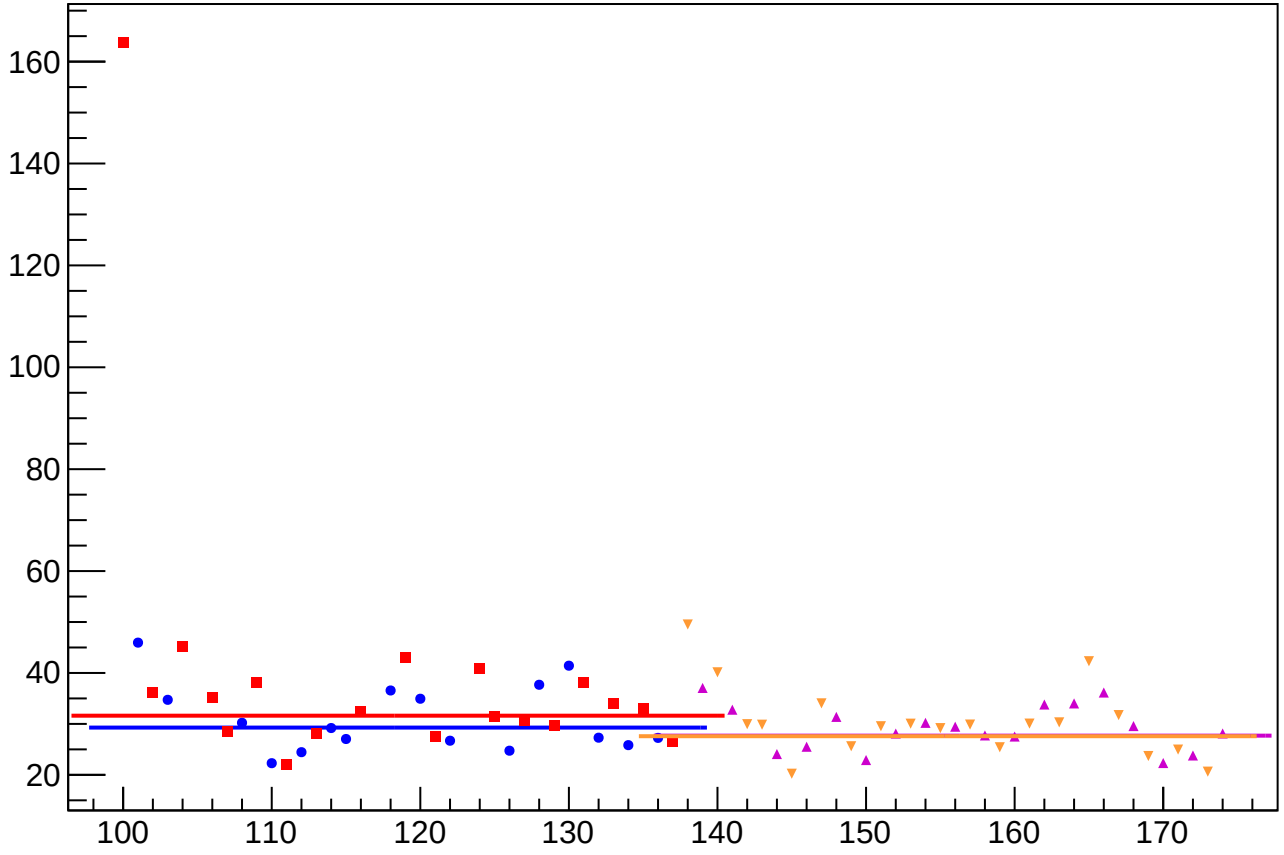
Left In: 0.010+/-0.007 χ^2/NDF:15.9/17

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/34

All: 0.012+/-0.004 χ^2/NDF: 76.1/71

- 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: 27.585+/-0.005 χ^2/NDF:1205984.8/18

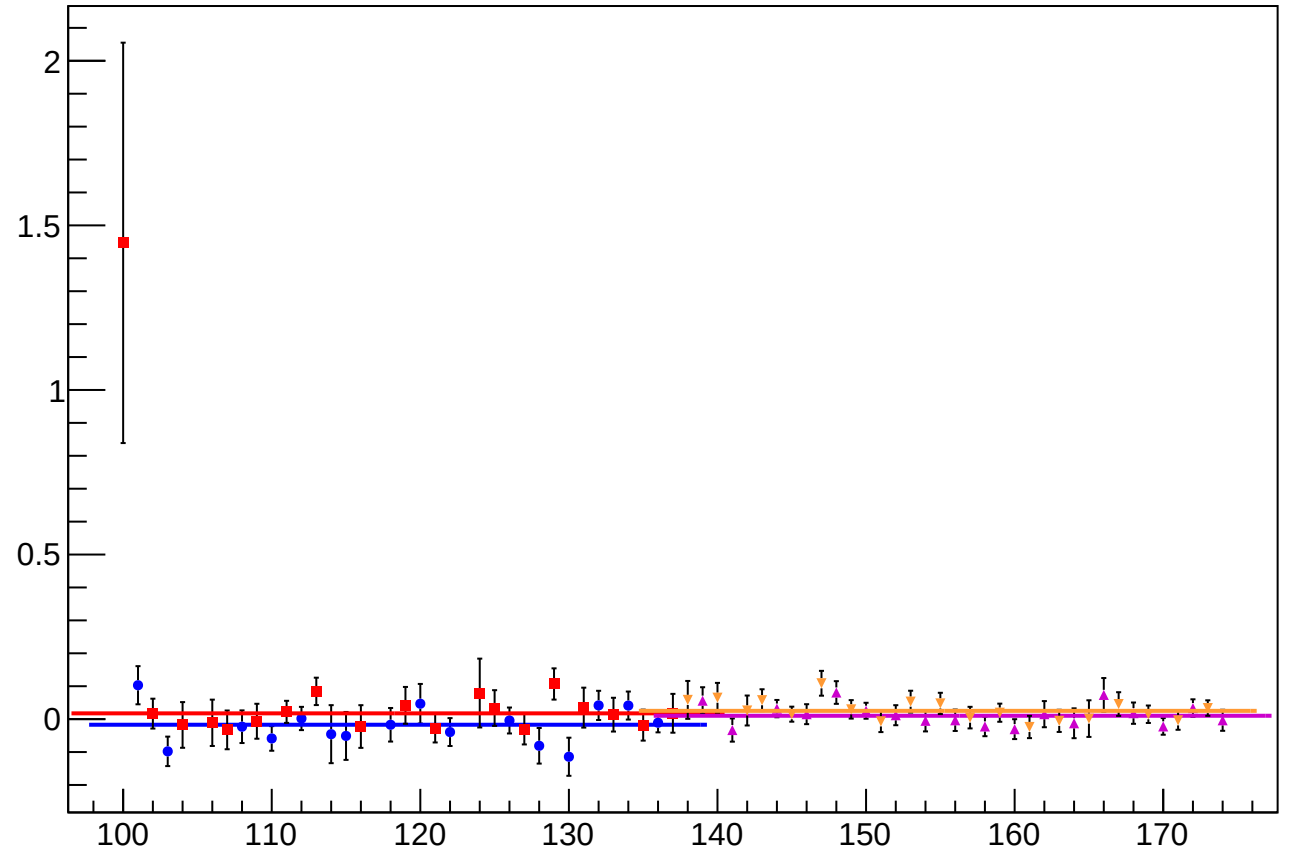
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.695+/-0.005 χ^2/NDF:595016.1/17

+ sign 28.087+/-0.004 χ^2/NDF: 1797974.9/34

All: 28.419+/-0.003 χ^2/NDF: 3129320.3/71

- 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:14.5/18

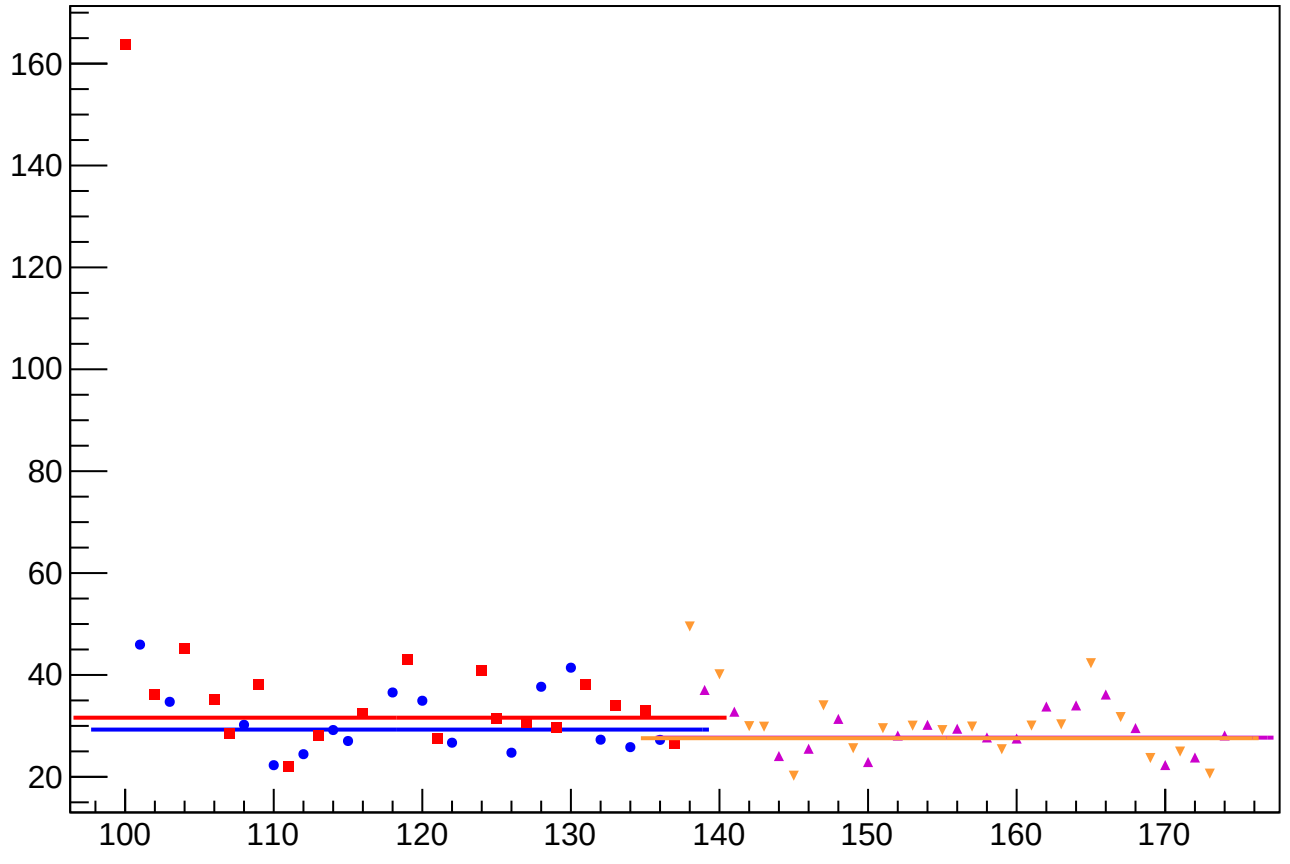
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.010+/-0.007 χ^2/NDF:15.9/17

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/34

All: 0.012+/-0.004 χ^2/NDF: 76.1/71

- 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: 27.585+/-0.005 χ^2/NDF:1205984.8/18

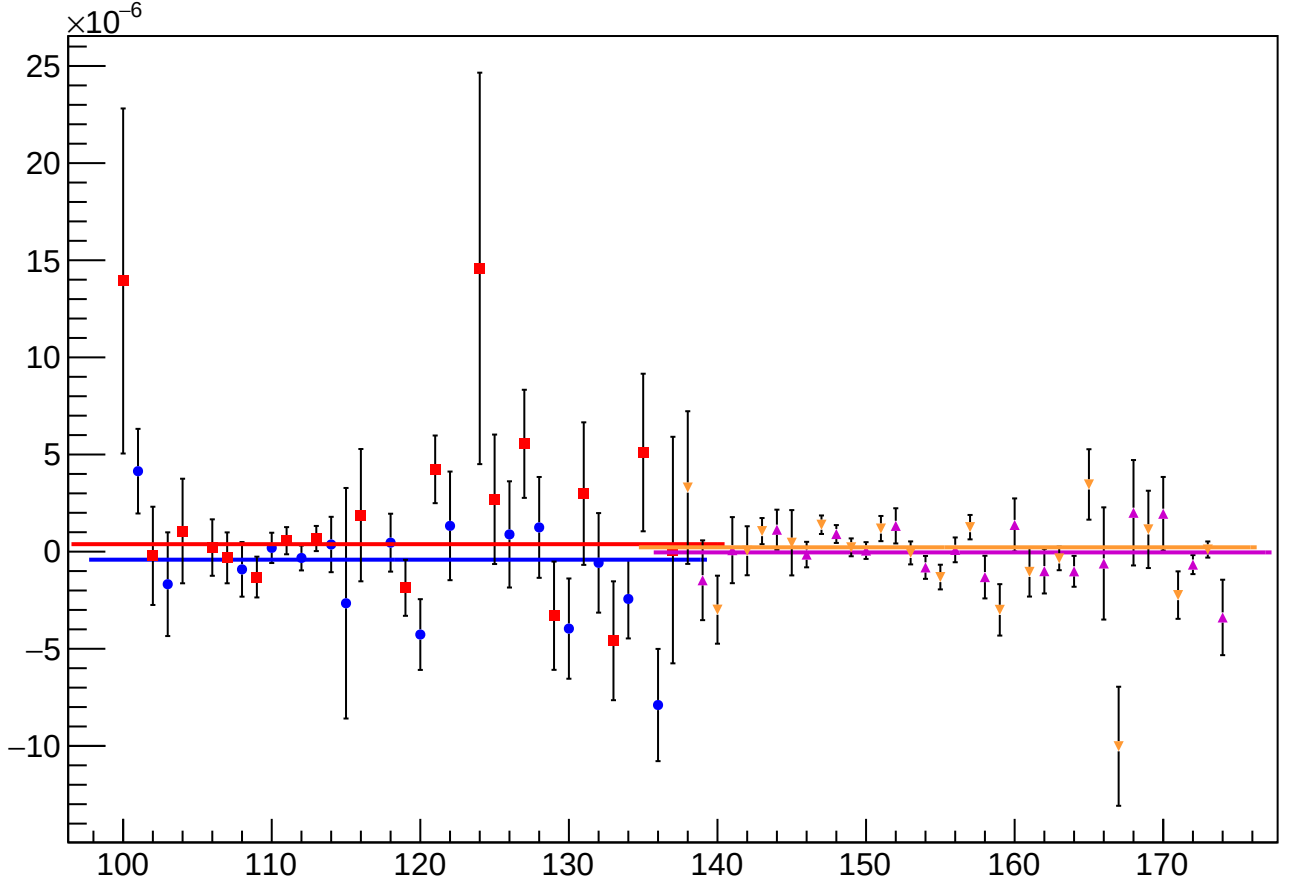
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.695+/-0.005 χ^2/NDF:595016.1/17

+ sign 28.087+/-0.004 χ^2/NDF: 1797974.9/34

All: 28.419+/-0.003 χ^2/NDF: 3129320.3/71

- 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:49.0/18

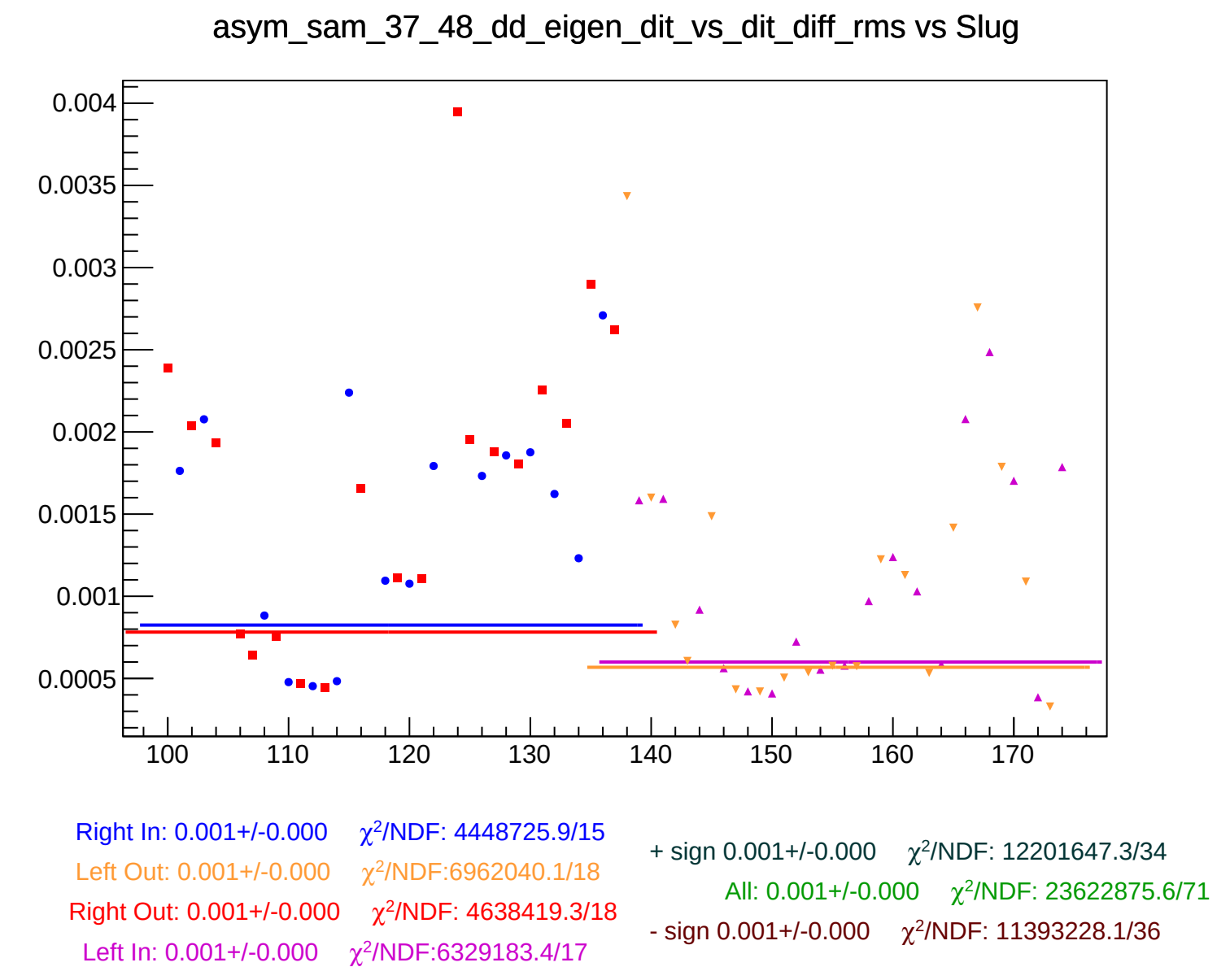
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

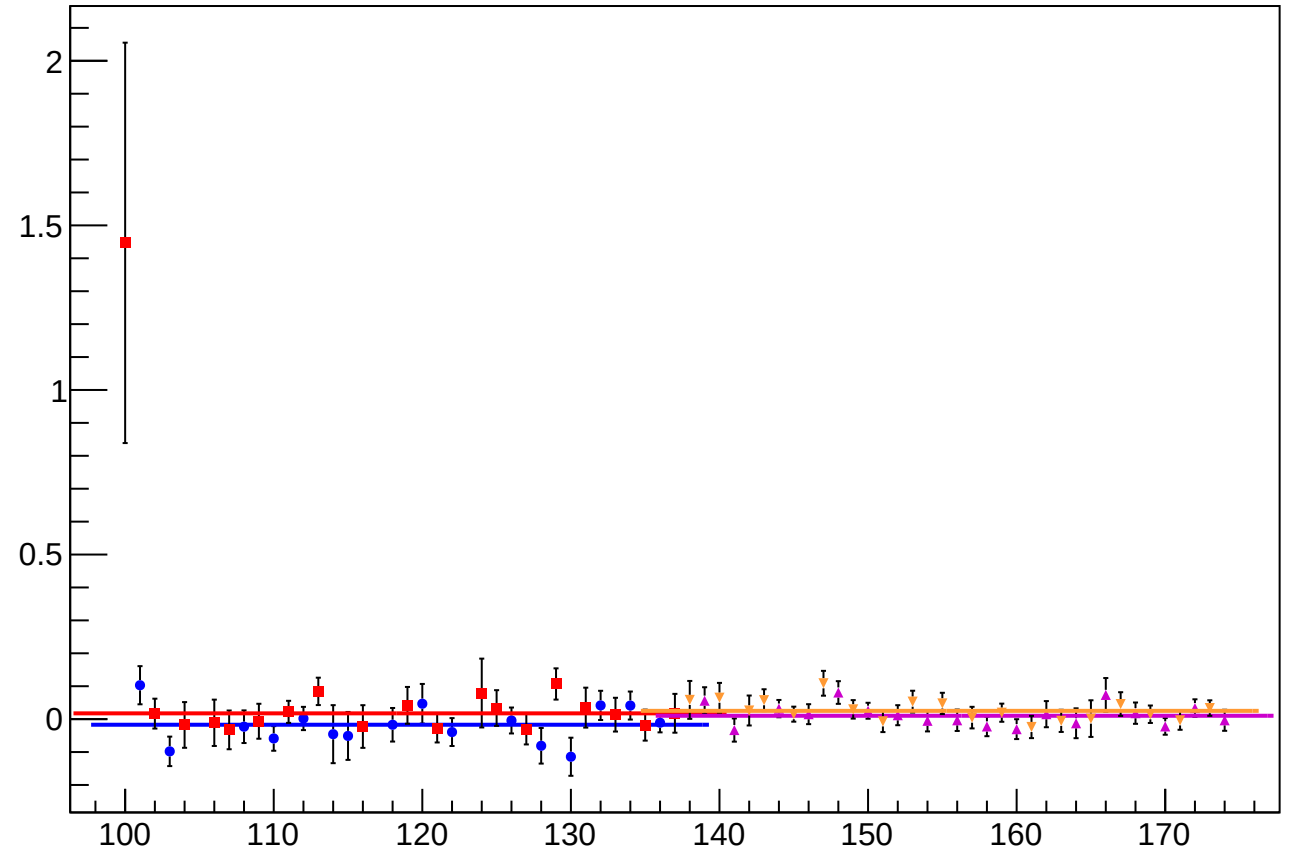
Left In: -0.000+/-0.000 χ^2/NDF:21.1/17

+ sign 0.000+/-0.000 χ^2/NDF: 72.7/34

All: 0.000+/-0.000 χ^2/NDF: 120.2/71

- 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:6962040.1/18
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: 12201647.3/34
All: 0.001+/-0.000 χ²/NDF: 23622875.6/71
- 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:14.5/18

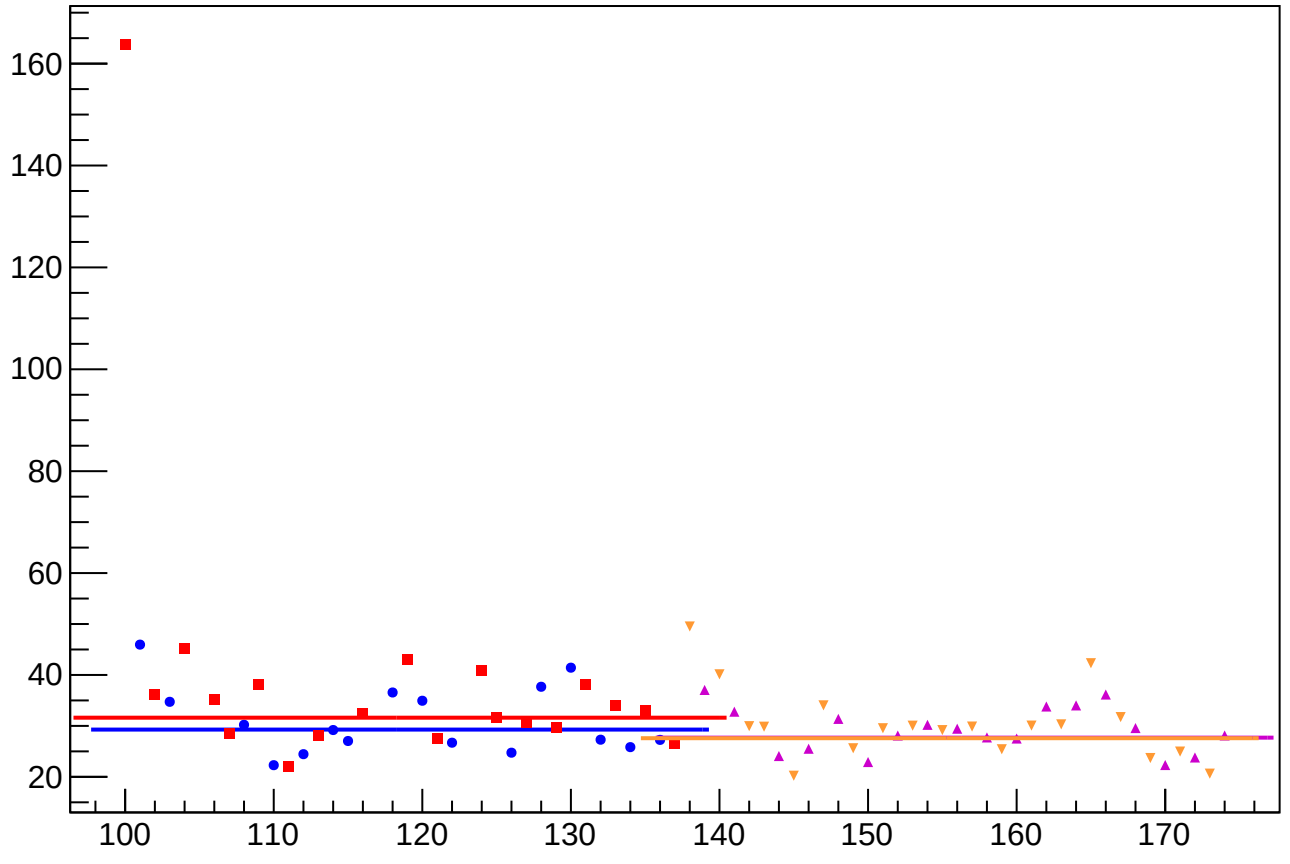
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.010+/-0.007 χ^2/NDF:15.9/17

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/34

All: 0.012+/-0.004 χ^2/NDF: 76.1/71

- 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: 27.585+/-0.005 χ^2/NDF:1206042.5/18

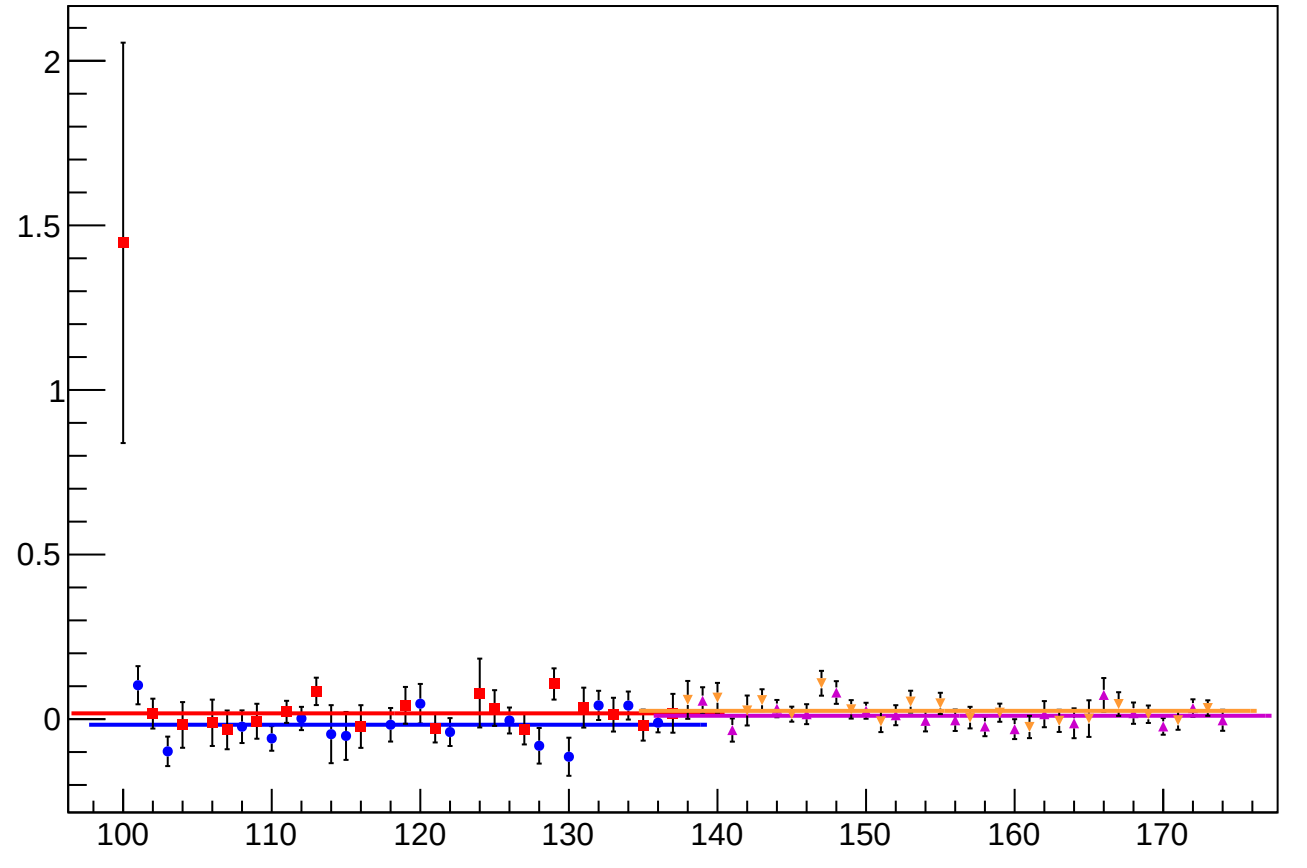
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.694+/-0.005 χ^2/NDF:595003.4/17

+ sign 28.087+/-0.004 χ^2/NDF: 1798044.2/34

All: 28.419+/-0.003 χ^2/NDF: 3129407.8/71

- 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:14.5/18

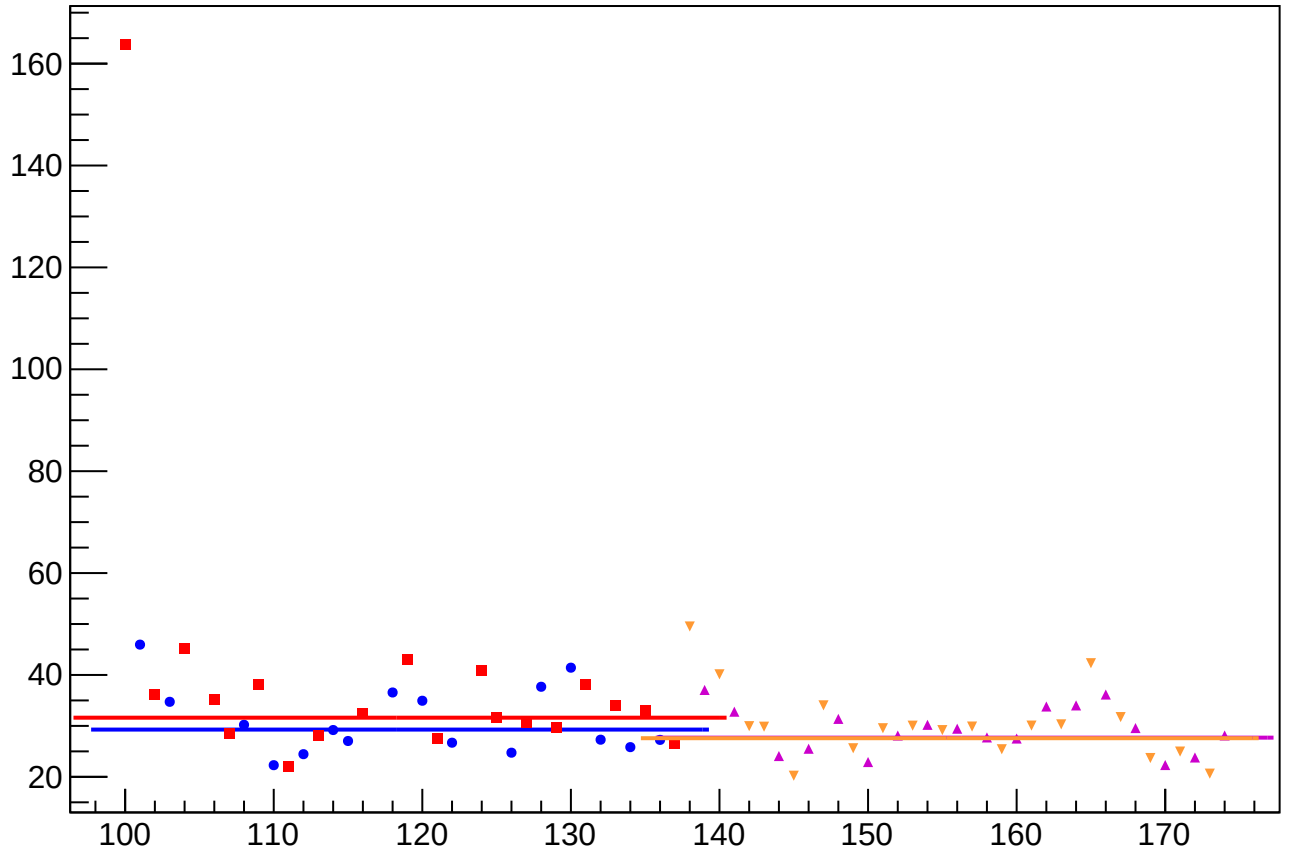
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.010+/-0.007 χ^2/NDF:15.9/17

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/34

All: 0.012+/-0.004 χ^2/NDF: 76.1/71

- 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: 27.585+/-0.005 χ^2/NDF:1206042.5/18

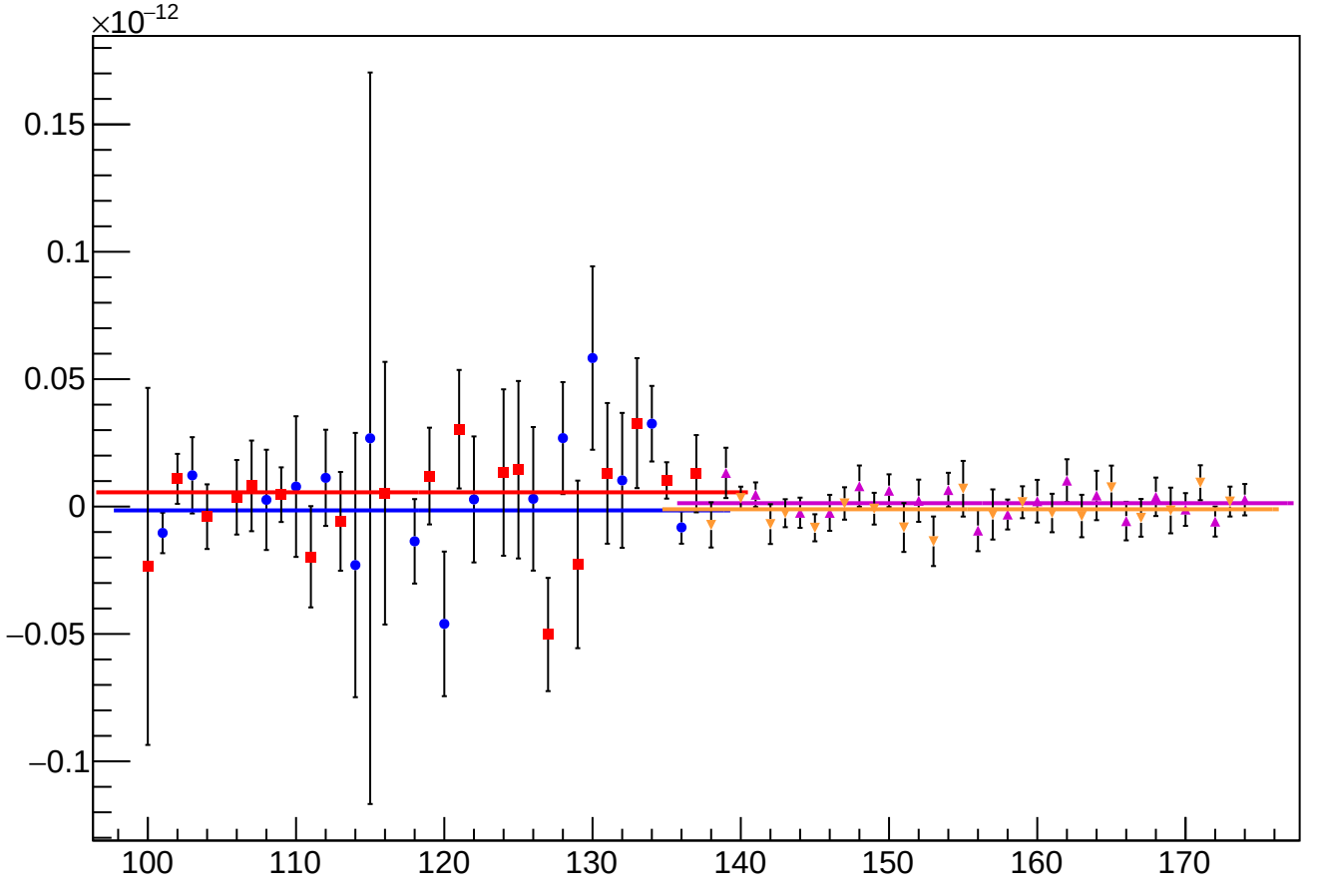
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.694+/-0.005 χ^2/NDF:595003.4/17

+ sign 28.087+/-0.004 χ^2/NDF: 1798044.2/34

All: 28.419+/-0.003 χ^2/NDF: 3129407.8/71

- 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:11.0/18

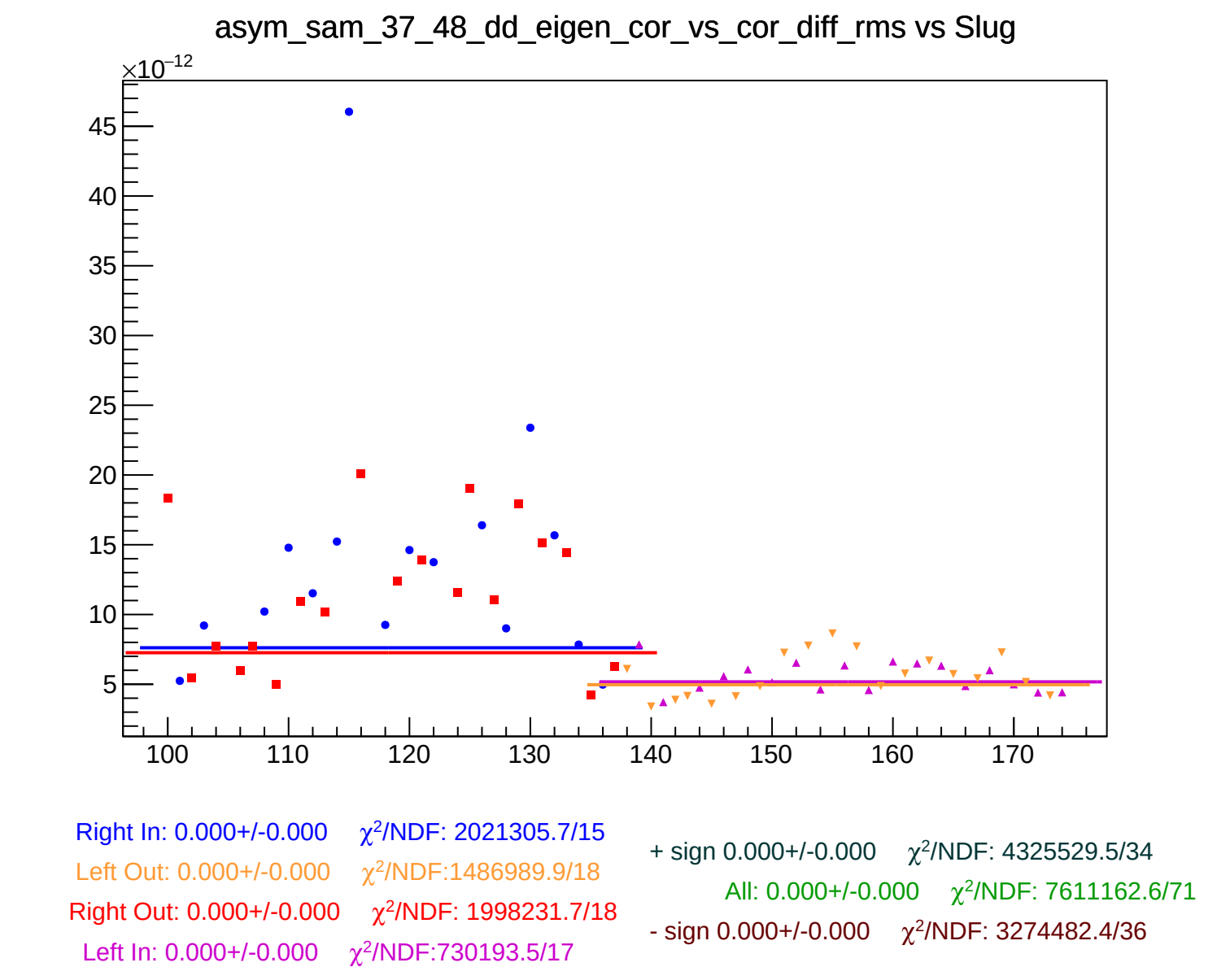
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/17

+ sign -0.000+/-0.000 χ^2/NDF: 28.0/34

All: 0.000+/-0.000 χ^2/NDF: 55.4/71

- 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
45
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100
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120
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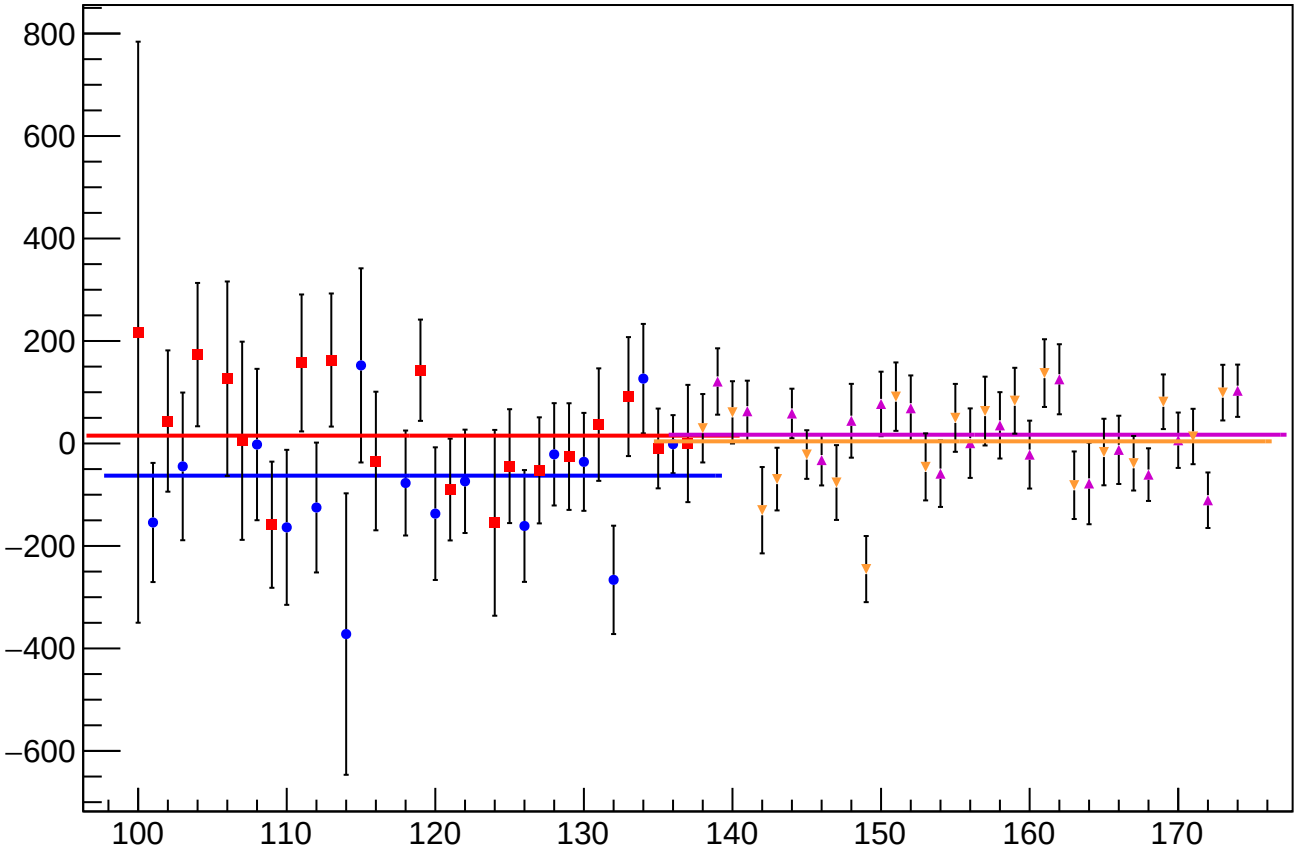
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1486989.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:730193.5/17
+ sign 0.000+/-0.000 χ²/NDF: 4325529.5/34
All: 0.000+/-0.000 χ²/NDF: 7611162.6/71
- sign 0.000+/-0.000 χ²/NDF: 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: 4.165+/-14.131 χ^2/NDF:38.2/18

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

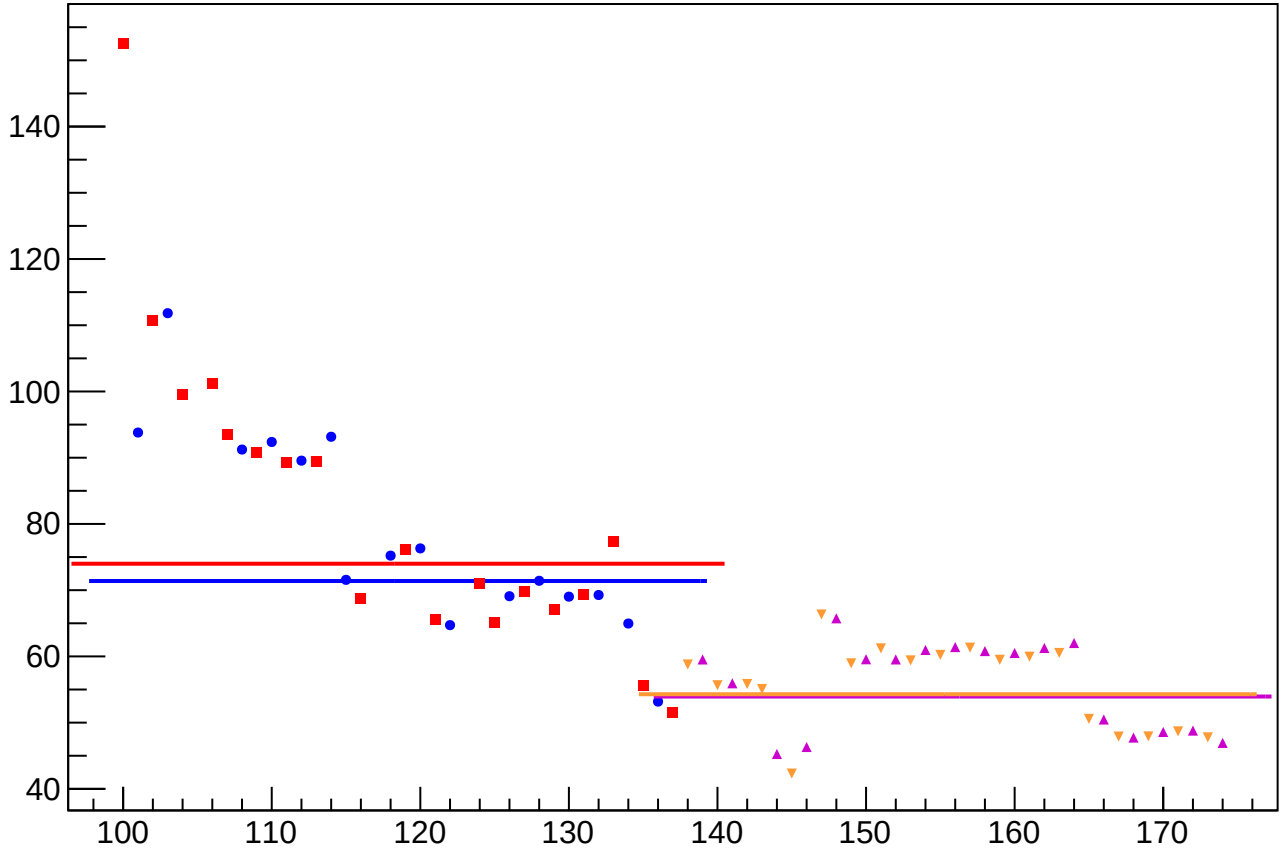
Left In: 17.084+/-14.130 χ^2/NDF:23.3/17

+ sign -10.057+/-12.541 χ^2/NDF: 56.4/34

All: 3.273+/-8.886 χ^2/NDF: 93.5/71

- 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: 54.289+/-0.010 χ^2/NDF:435041.9/18

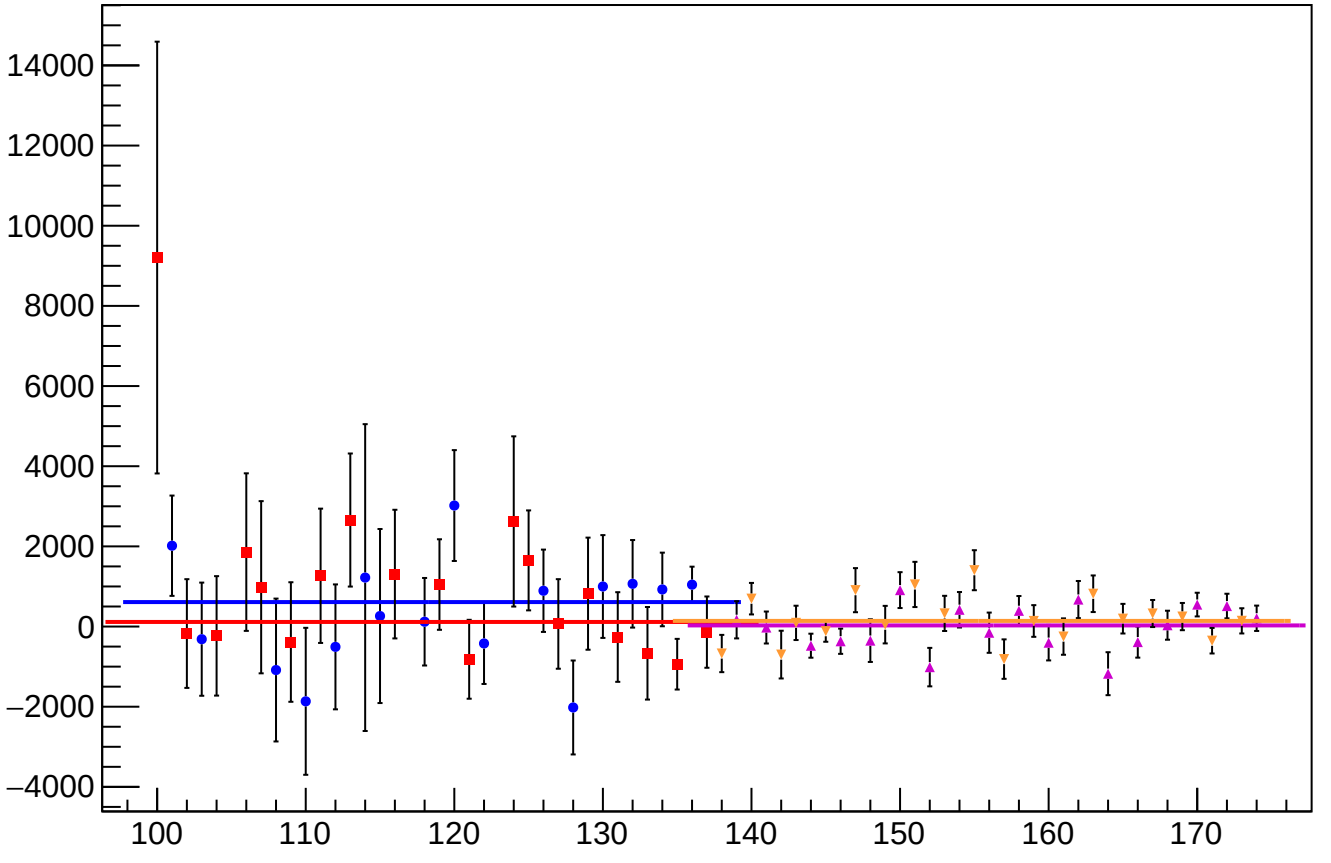
Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 53.943+/-0.010 χ^2/NDF:457266.2/17

+ sign 57.919+/-0.009 χ^2/NDF: 1647539.2/34

All: 57.993+/-0.006 χ^2/NDF: 3571599.8/71

- sign 58.067+/-0.009 χ^2/NDF: 1923923.0/36



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 140.810+/-91.714 χ^2/NDF:28.7/18

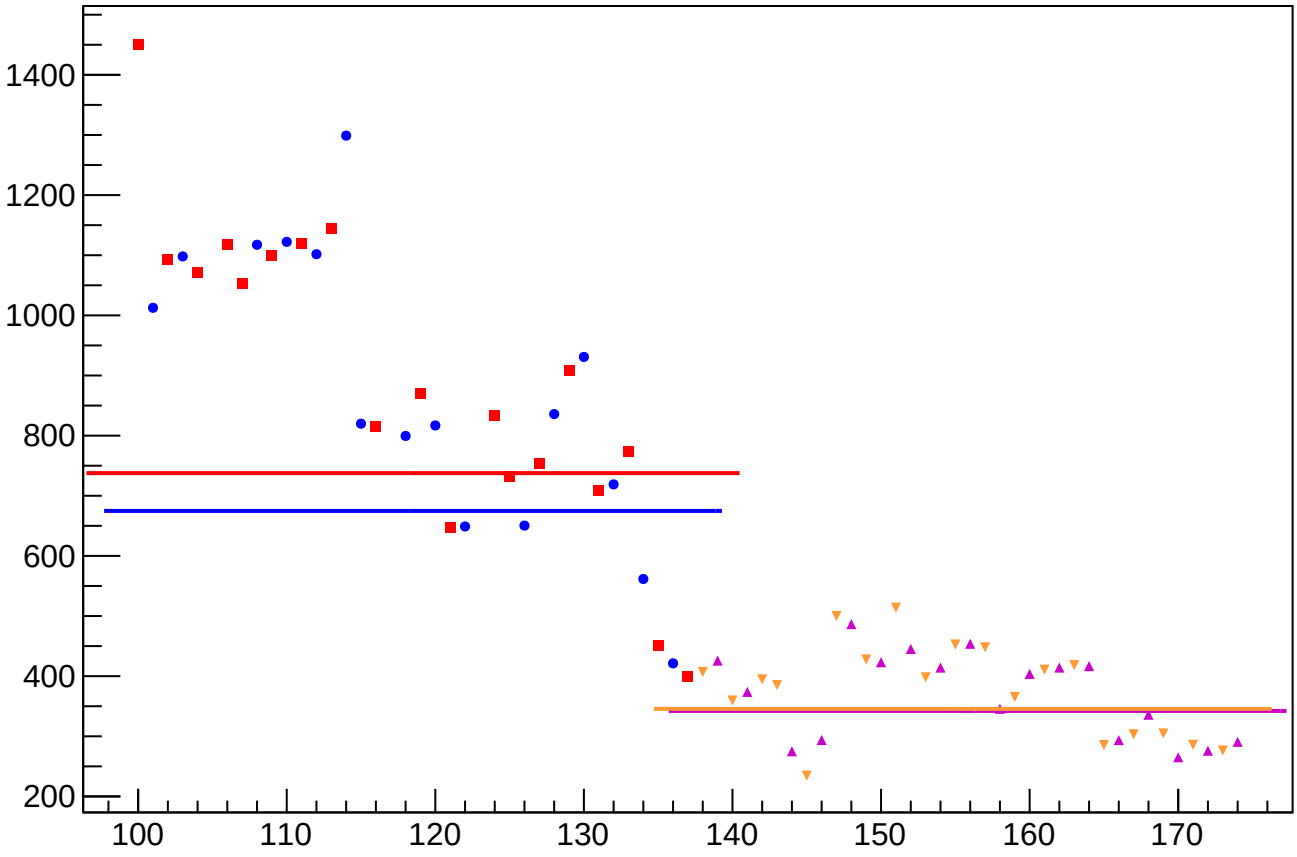
Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 28.059+/-90.901 χ^2/NDF:30.5/17

+ sign 190.452+/-86.733 χ^2/NDF: 47.2/34

All: 113.137+/-61.276 χ^2/NDF: 94.9/71

- sign 36.088+/-86.583 χ^2/NDF: 46.1/36



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 345.652+/-0.065 χ^2/NDF:1405219.7/18

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

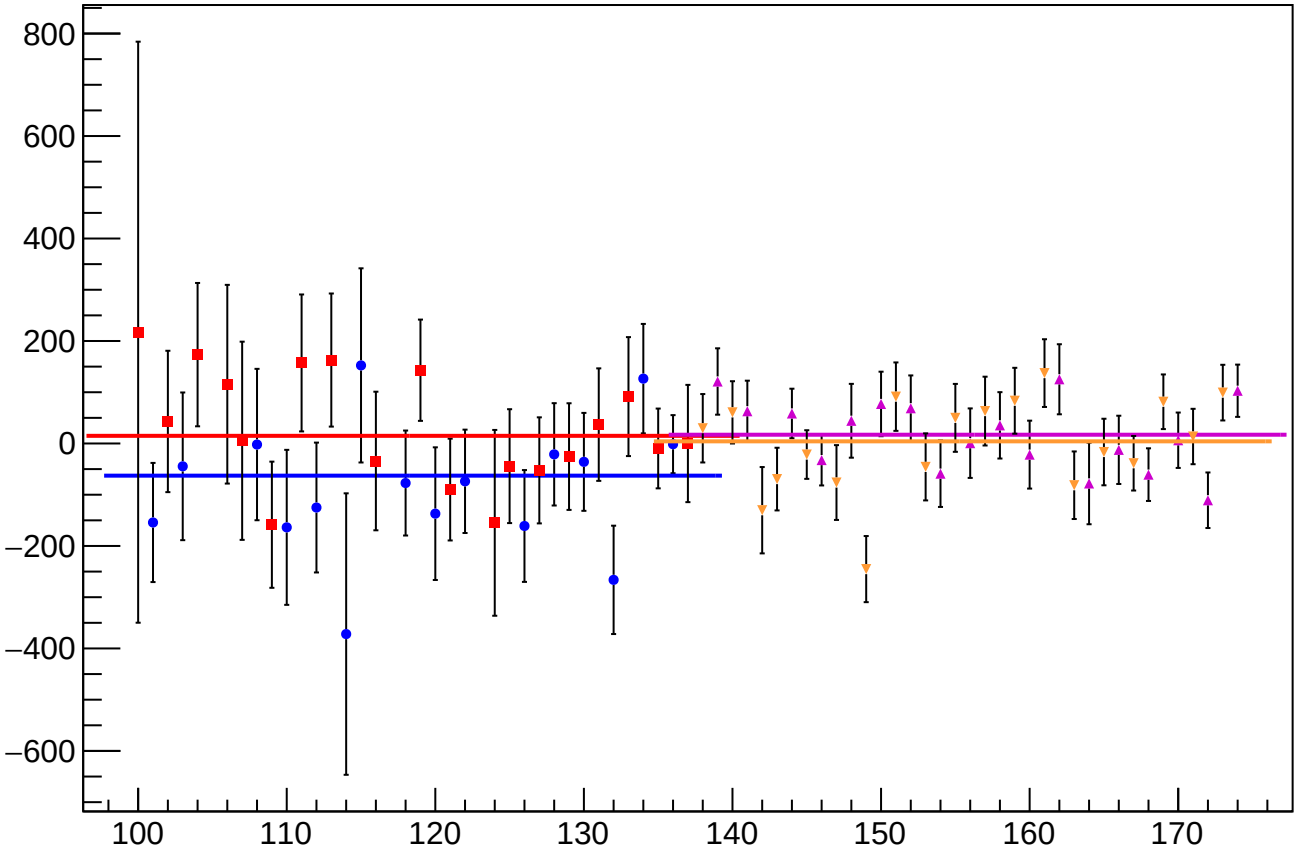
Left In: 342.174+/-0.064 χ^2/NDF:1121560.8/17

+ sign 380.439+/-0.061 χ^2/NDF: 5745565.7/34

All: 379.645+/-0.043 χ^2/NDF: 11895477.6/71

- 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: 4.165+/-14.131 χ^2/NDF:38.2/18

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

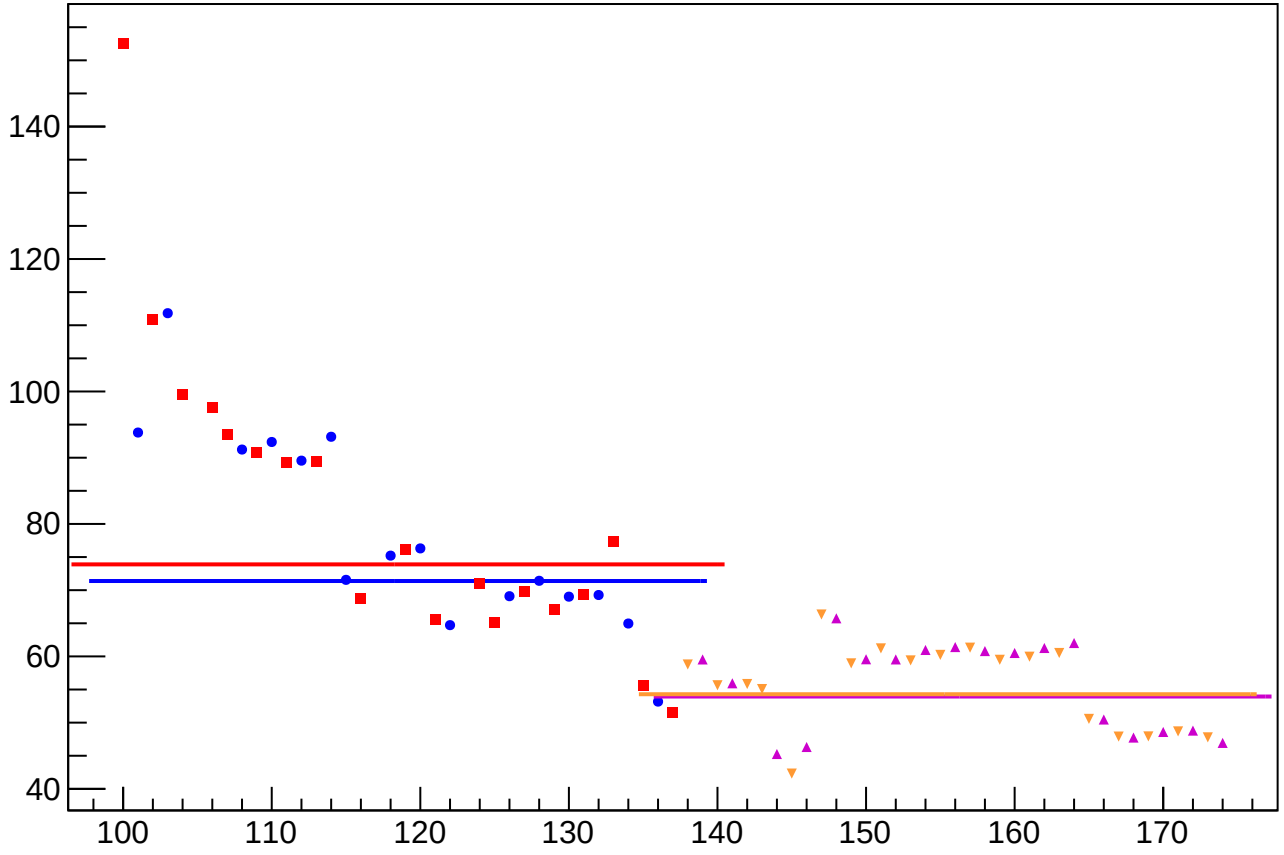
Left In: 17.084+/-14.130 χ^2/NDF:23.3/17

+ sign -10.055+/-12.541 χ^2/NDF: 56.4/34

All: 3.236+/-8.887 χ^2/NDF: 93.4/71

- sign 16.641+/-12.595 χ^2/NDF: 34.7/36

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.289+/-0.010 χ^2/NDF:435041.9/18

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

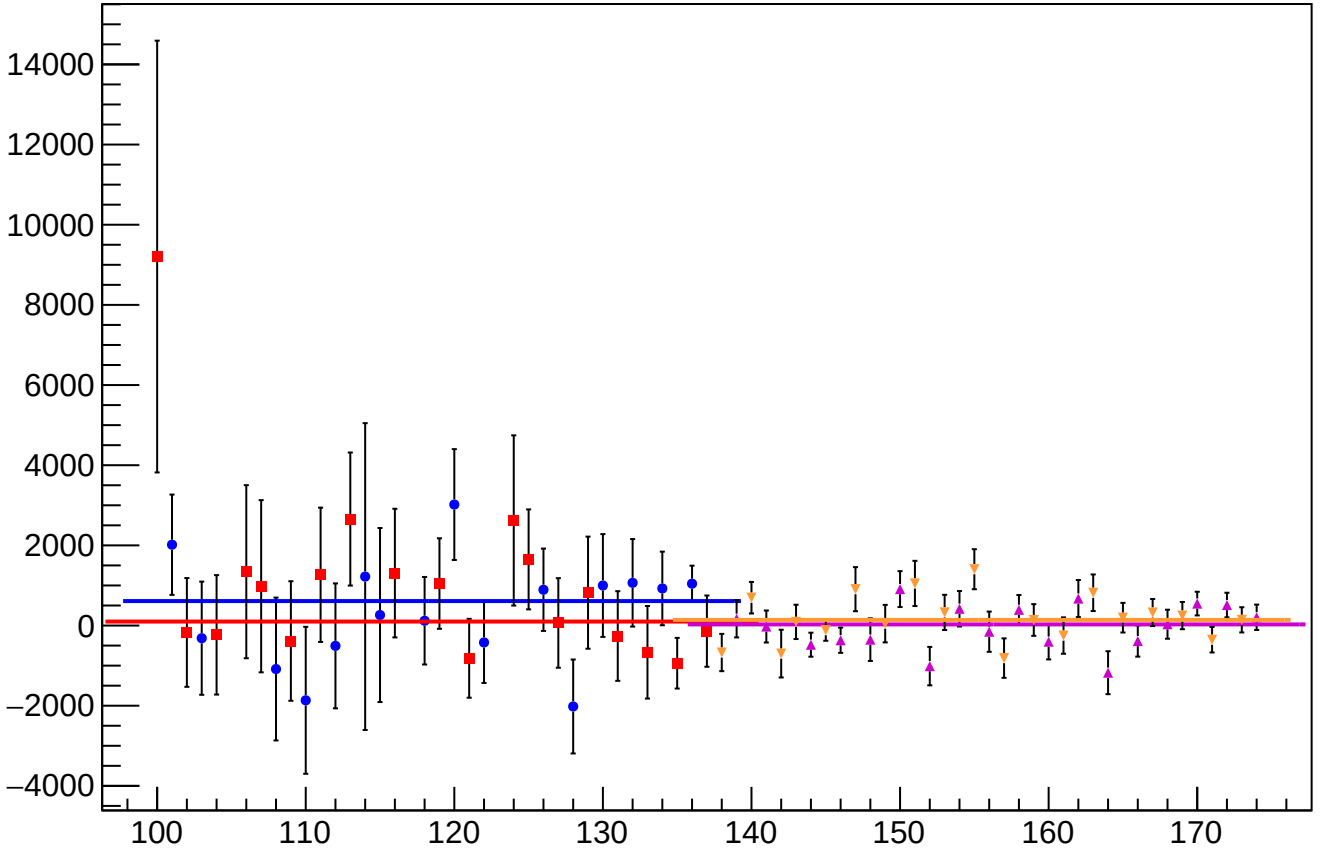
Left In: 53.943+/-0.010 χ^2/NDF:457266.2/17

+ sign 57.919+/-0.009 χ^2/NDF: 1647541.8/34

All: 57.981+/-0.006 χ^2/NDF: 3551289.9/71

- sign 58.043+/-0.009 χ^2/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: 140.807+/-91.714 χ^2/NDF:28.7/18

Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

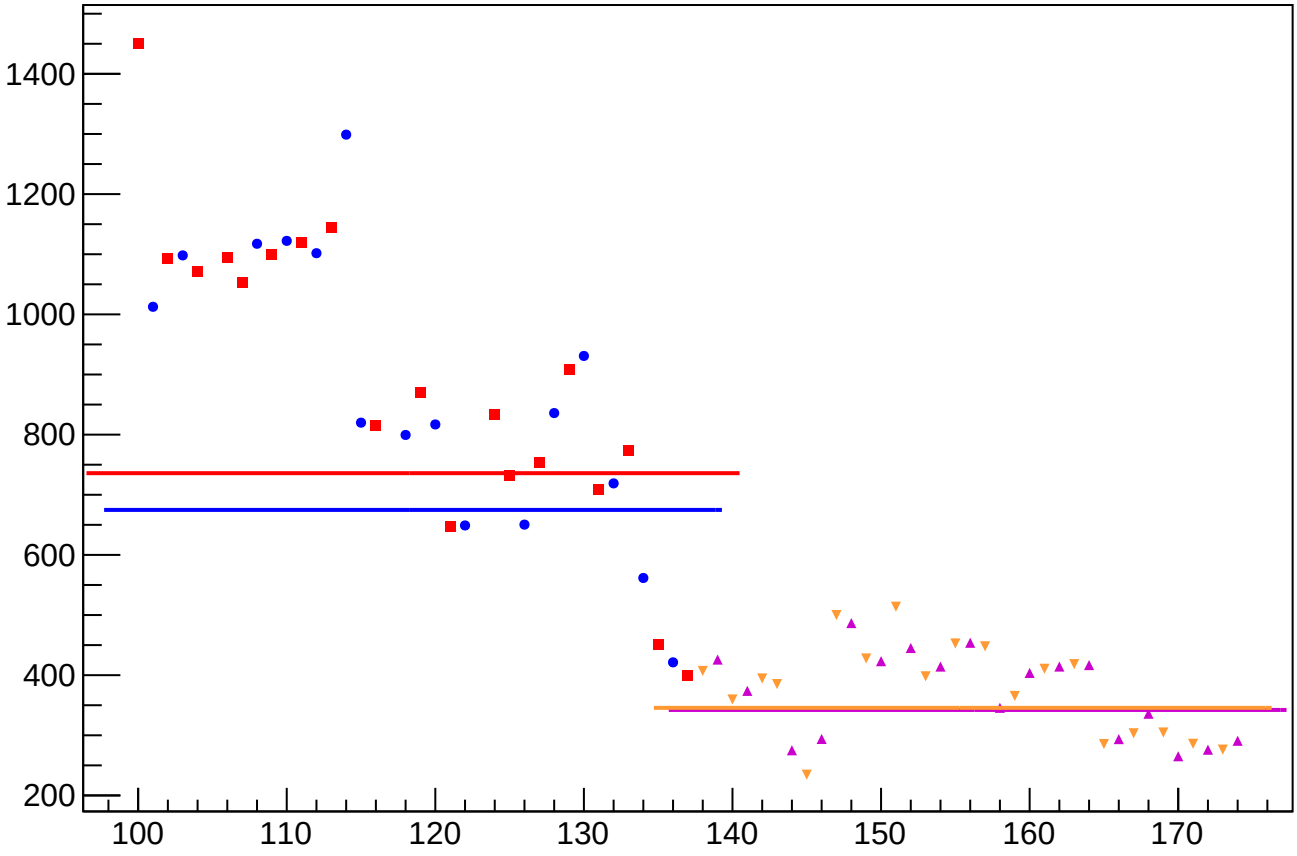
Left In: 28.061+/-90.901 χ^2/NDF:30.5/17

+ sign 190.449+/-86.733 χ^2/NDF: 47.2/34

All: 112.438+/-61.282 χ^2/NDF: 94.4/71

- sign 34.670+/-86.598 χ^2/NDF: 45.6/36

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 345.652+/-0.065 χ^2/NDF:1405219.9/18

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

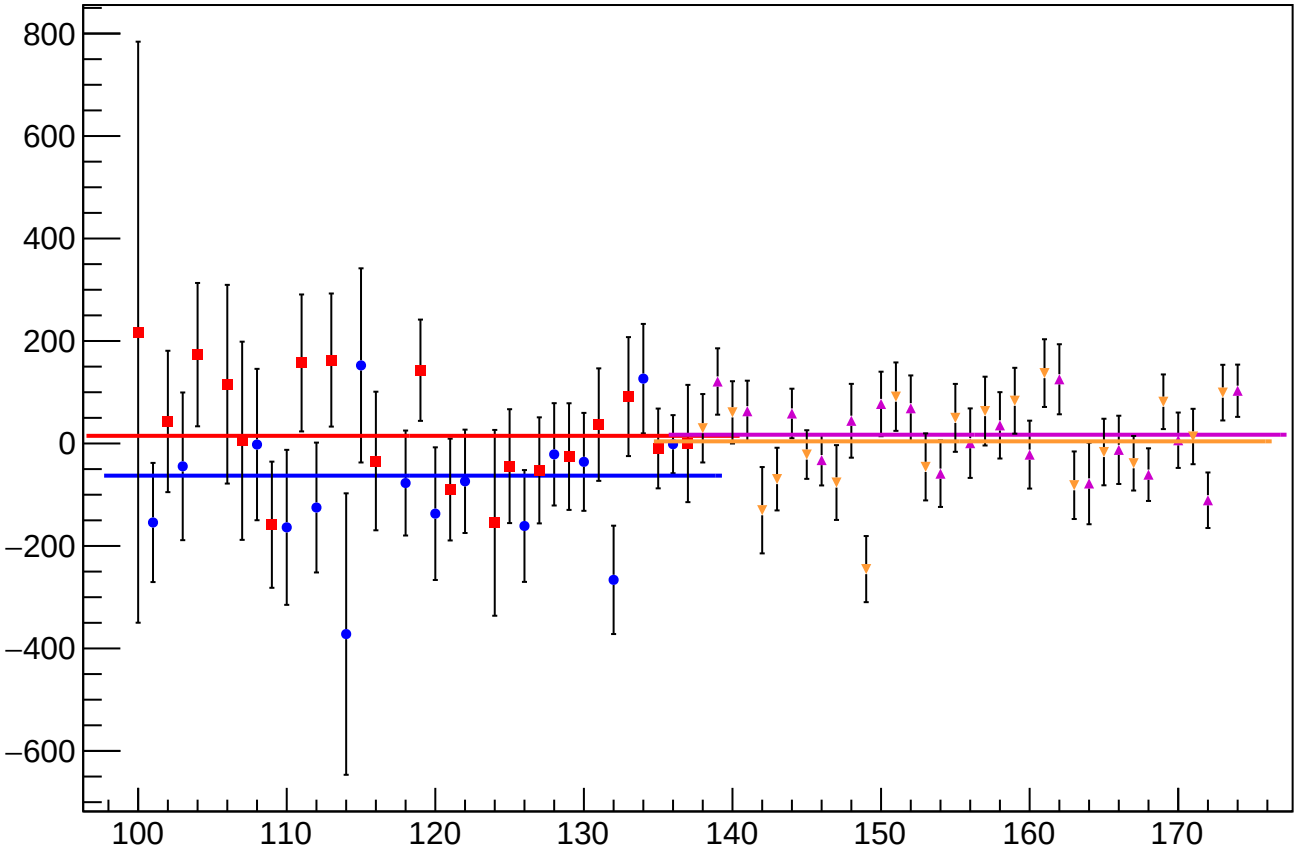
Left In: 342.174+/-0.064 χ^2/NDF:1121568.6/17

+ sign 380.439+/-0.061 χ^2/NDF: 5745586.8/34

All: 379.503+/-0.043 χ^2/NDF: 11833273.5/71

- 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: 4.165+/-14.131 χ^2/NDF:38.2/18

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

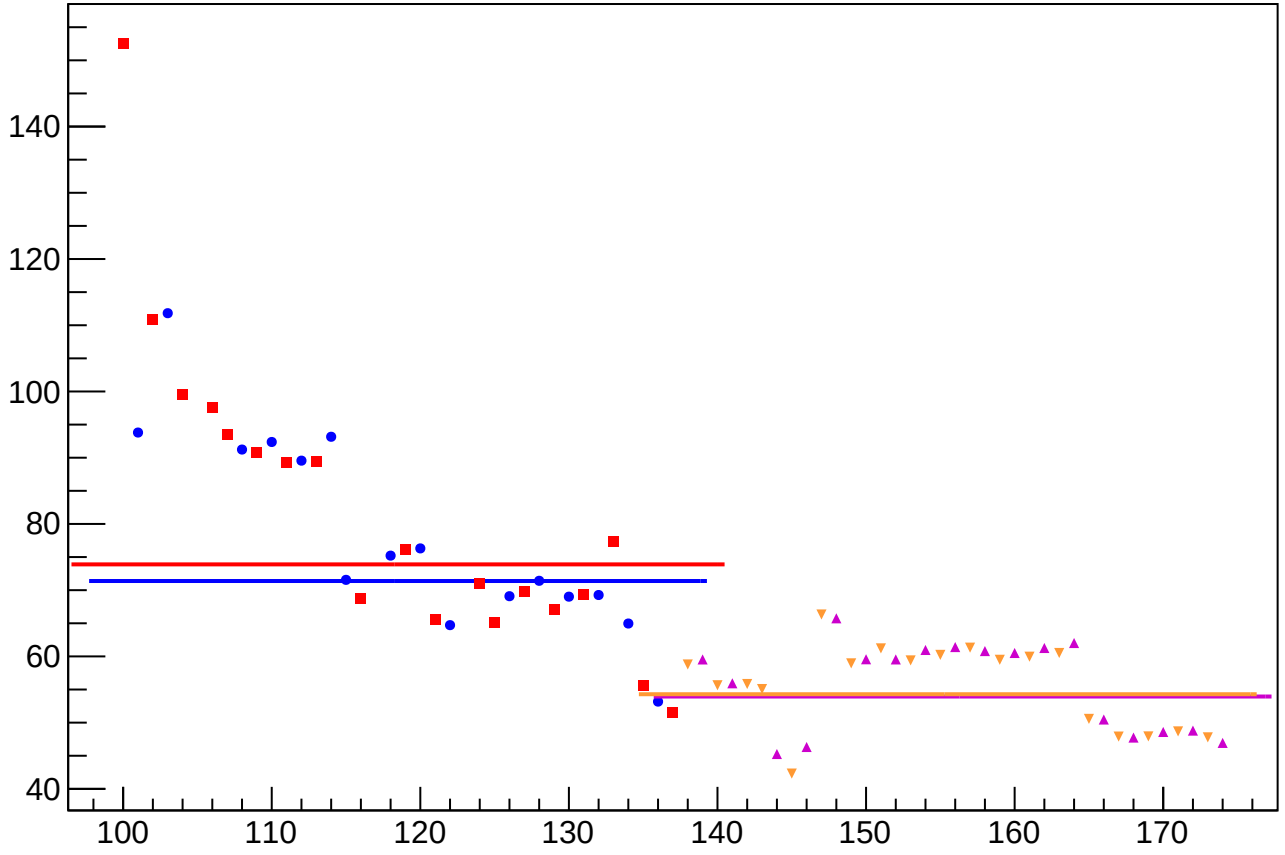
Left In: 17.084+/-14.130 χ^2/NDF:23.3/17

+ sign -10.055+/-12.541 χ^2/NDF: 56.4/34

All: 3.236+/-8.887 χ^2/NDF: 93.4/71

- sign 16.641+/-12.595 χ^2/NDF: 34.7/36

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.289+/-0.010 χ^2/NDF:435041.9/18

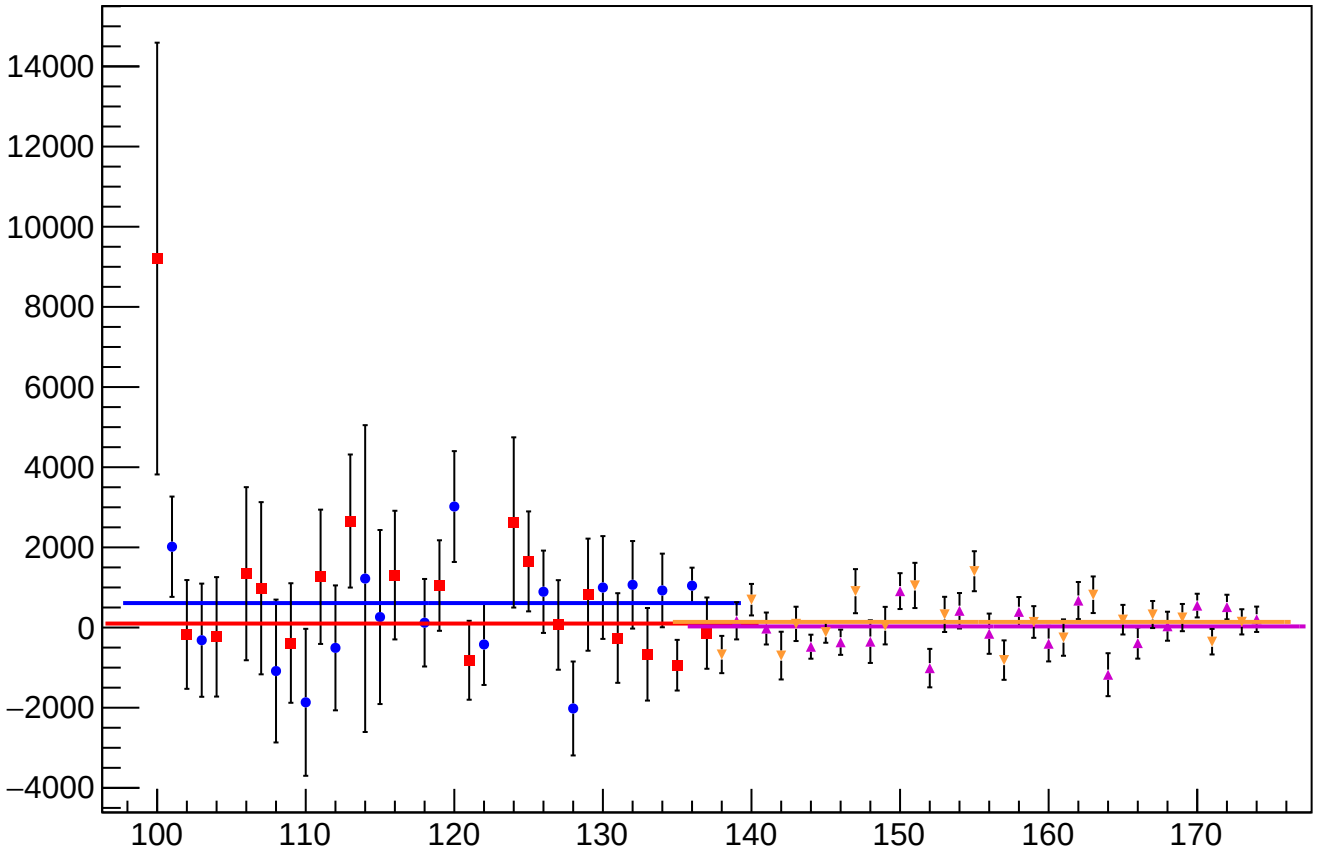
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.943+/-0.010 χ^2/NDF:457266.2/17

+ sign 57.919+/-0.009 χ^2/NDF: 1647541.8/34

All: 57.981+/-0.006 χ^2/NDF: 3551289.9/71

- sign 58.043+/-0.009 χ^2/NDF: 1903651.1/36



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 140.807+/-91.714 χ^2/NDF:28.7/18

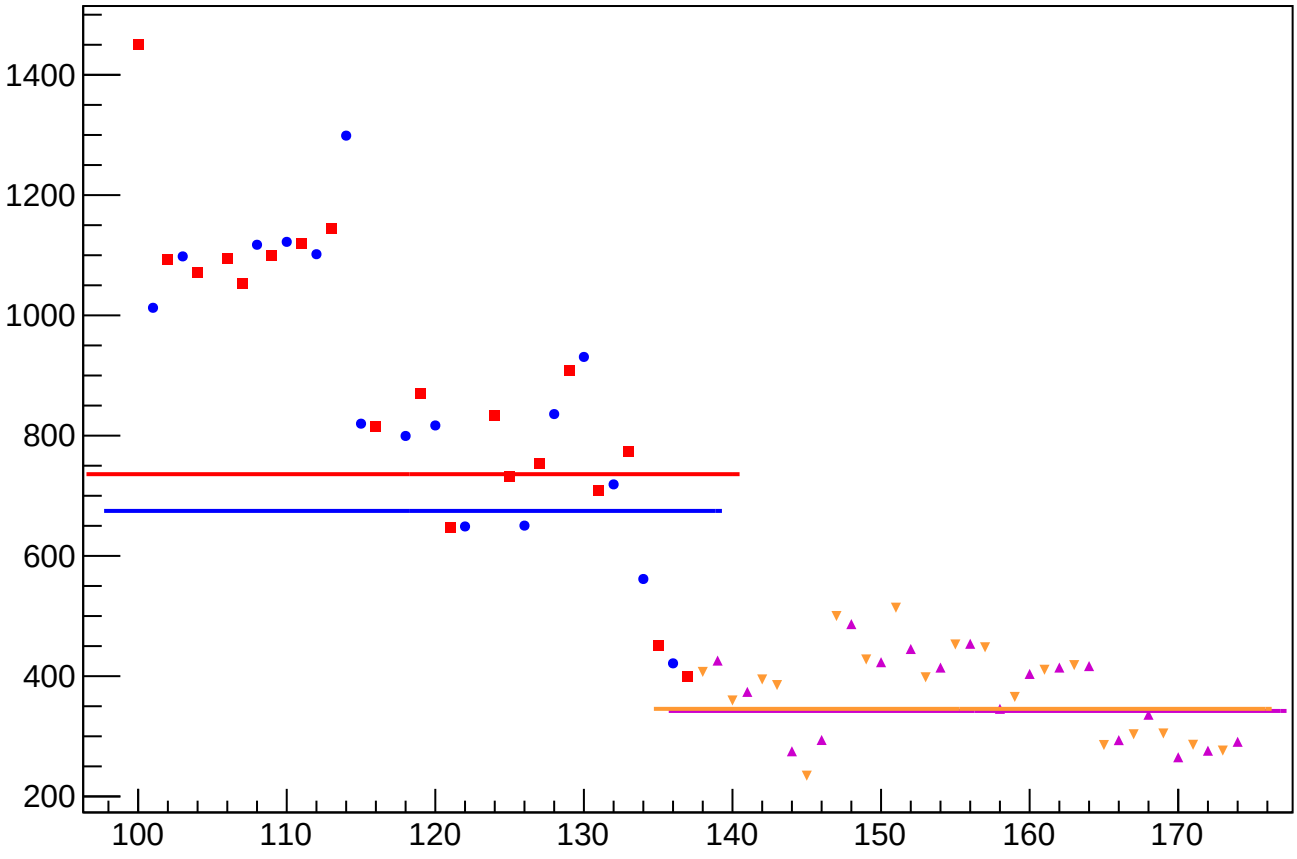
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 28.061+/-90.901 χ^2/NDF:30.5/17

+ sign 190.449+/-86.733 χ^2/NDF: 47.2/34

All: 112.438+/-61.282 χ^2/NDF: 94.4/71

- 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: 345.652+/-0.065 χ^2/NDF:1405219.9/18

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

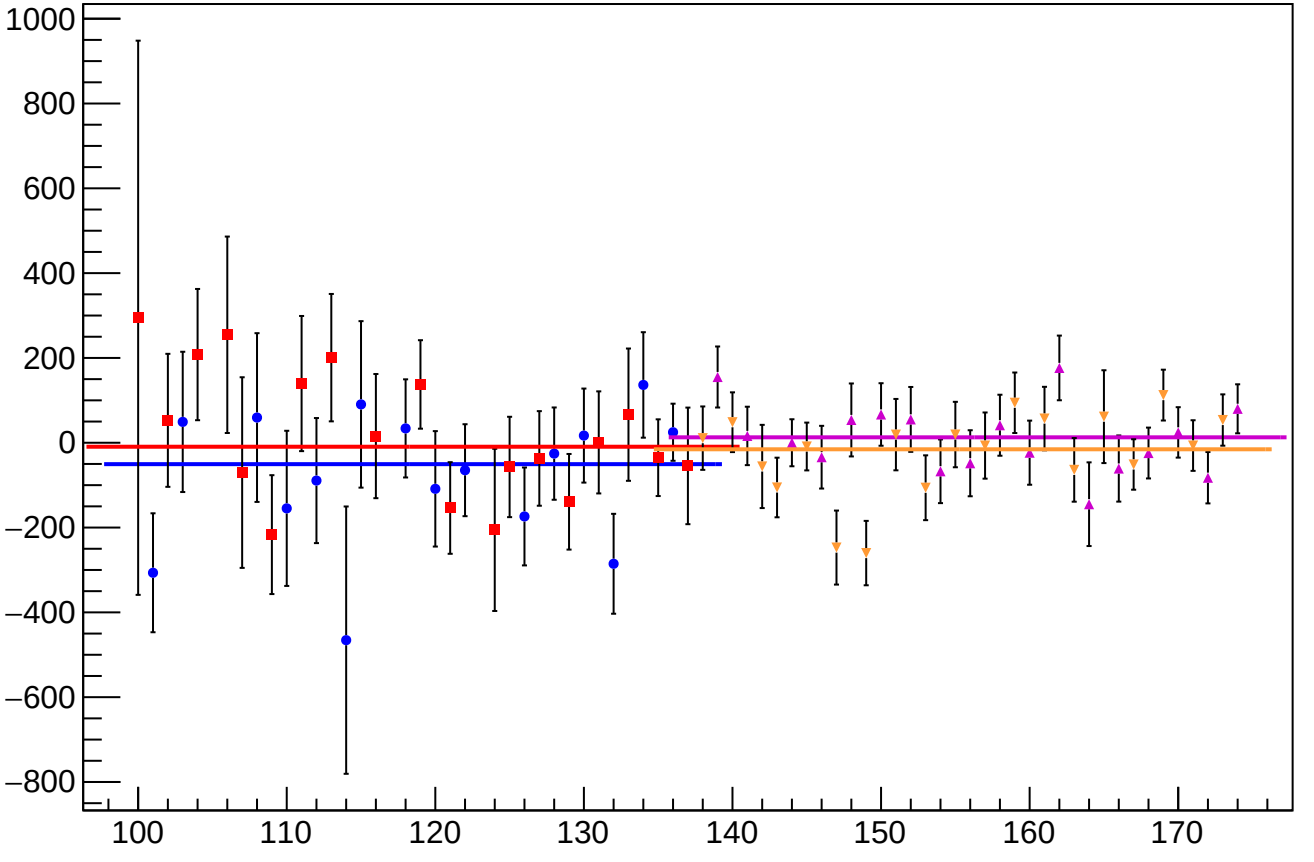
Left In: 342.174+/-0.064 χ^2/NDF:1121568.6/17

+ sign 380.439+/-0.061 χ^2/NDF: 5745586.8/34

All: 379.503+/-0.043 χ^2/NDF: 11833273.5/71

- 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: -15.419+/-16.436 χ^2/NDF:32.5/18

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

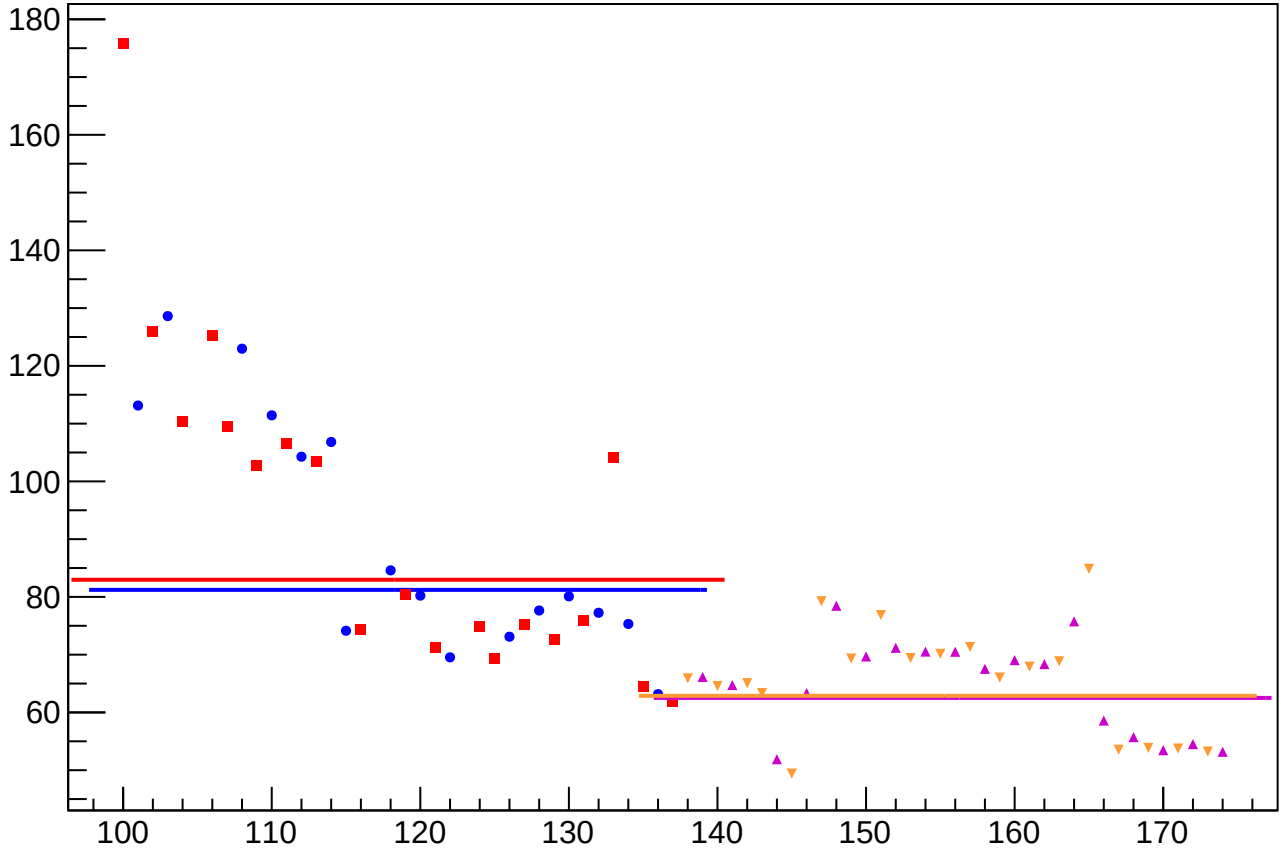
Left In: 12.805+/-16.474 χ^2/NDF:19.9/17

+ sign -23.085+/-14.527 χ^2/NDF: 49.9/34

All: -7.601+/-10.288 χ^2/NDF: 88.0/71

- 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: 62.881+/-0.012 χ^2/NDF:613926.4/18

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

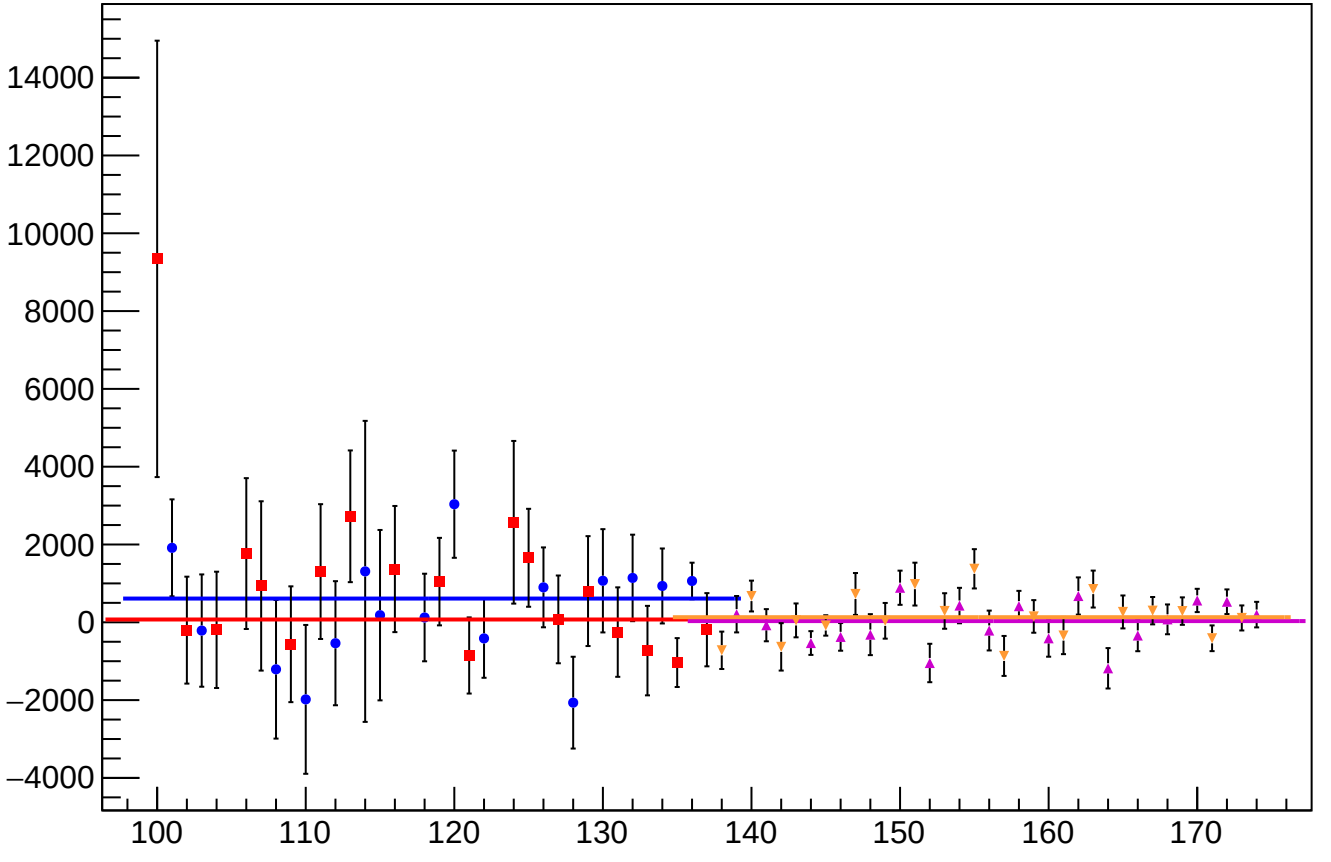
Left In: 62.513+/-0.012 χ^2/NDF:474752.0/17

+ sign 66.892+/-0.010 χ^2/NDF: 1821337.3/34

All: 66.929+/-0.007 χ^2/NDF: 3697743.6/71

- 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: 131.186+/-94.400 χ^2/NDF:27.4/18

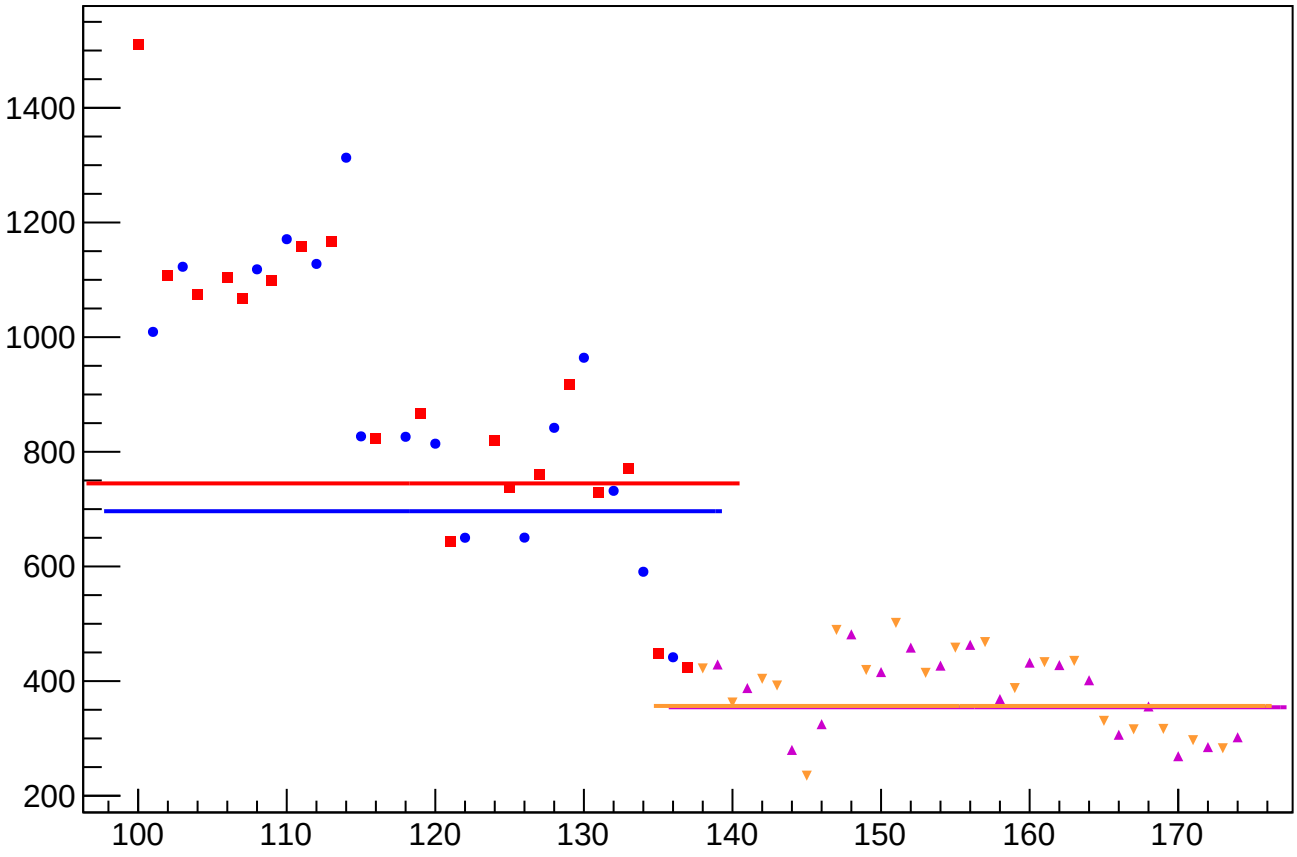
Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 31.176+/-94.096 χ^2/NDF:30.7/17

+ sign 182.037+/-89.251 χ^2/NDF: 45.9/34

All: 108.734+/-63.166 χ^2/NDF: 94.2/71

- 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: 356.678+/-0.067 χ^2/NDF:1344962.4/18

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

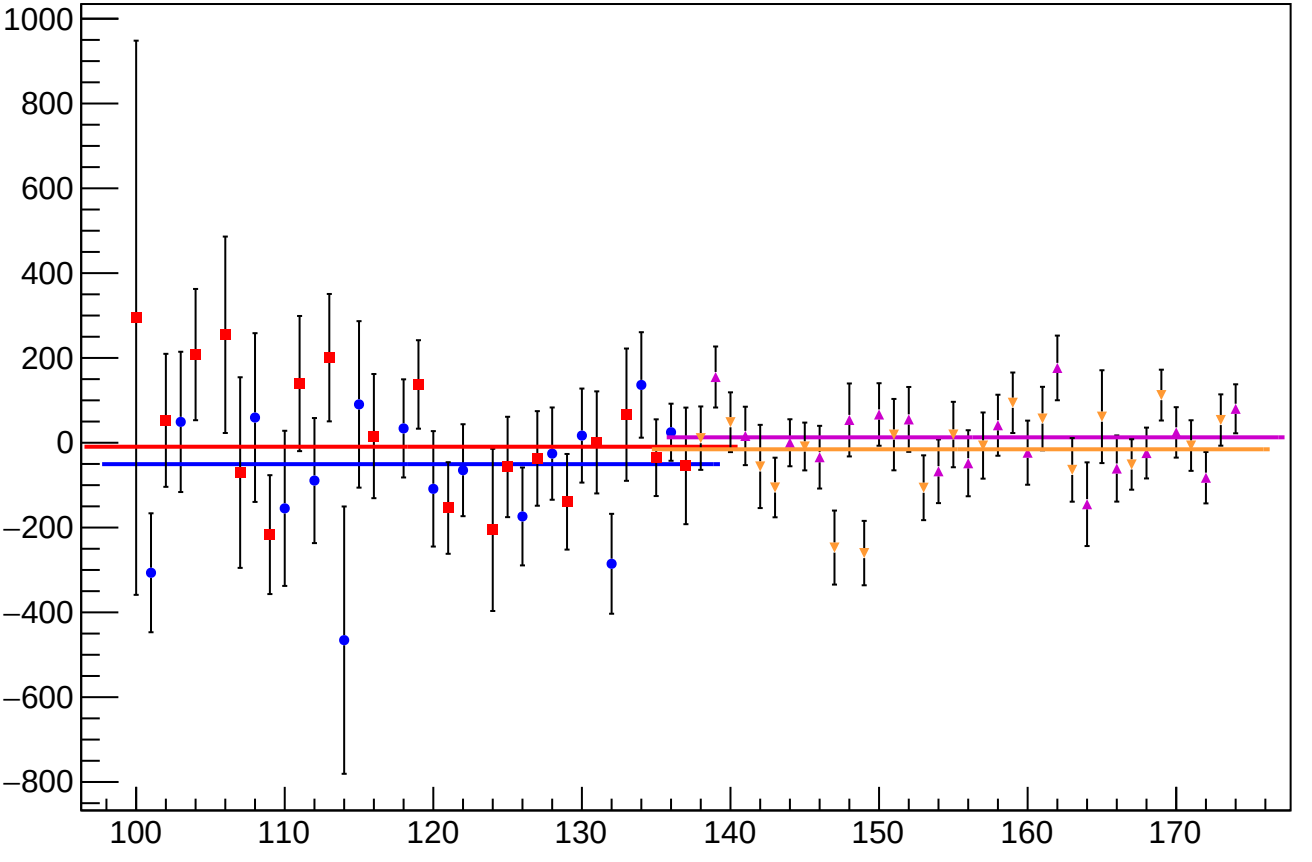
Left In: 354.379+/-0.067 χ^2/NDF:1040946.1/17

+ sign 392.725+/-0.063 χ^2/NDF: 5608594.7/34

All: 392.523+/-0.045 χ^2/NDF: 11494656.8/71

- 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: -15.418+/-16.436 χ^2/NDF:32.5/18

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

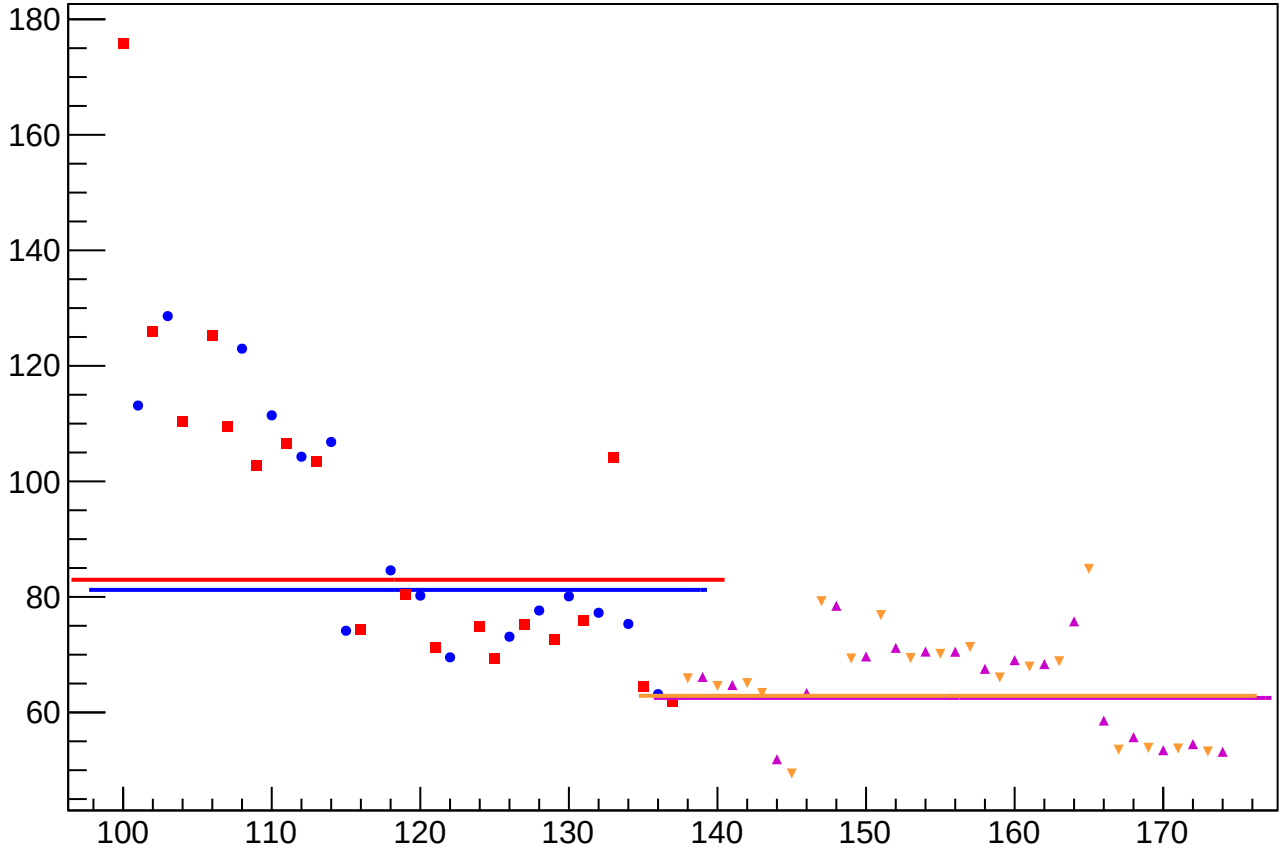
Left In: 12.804+/-16.474 χ^2/NDF:19.9/17

+ sign -23.084+/-14.527 χ^2/NDF: 49.9/34

All: -7.601+/-10.288 χ^2/NDF: 88.0/71

- 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: 62.881+/-0.012 χ^2/NDF:613922.5/18

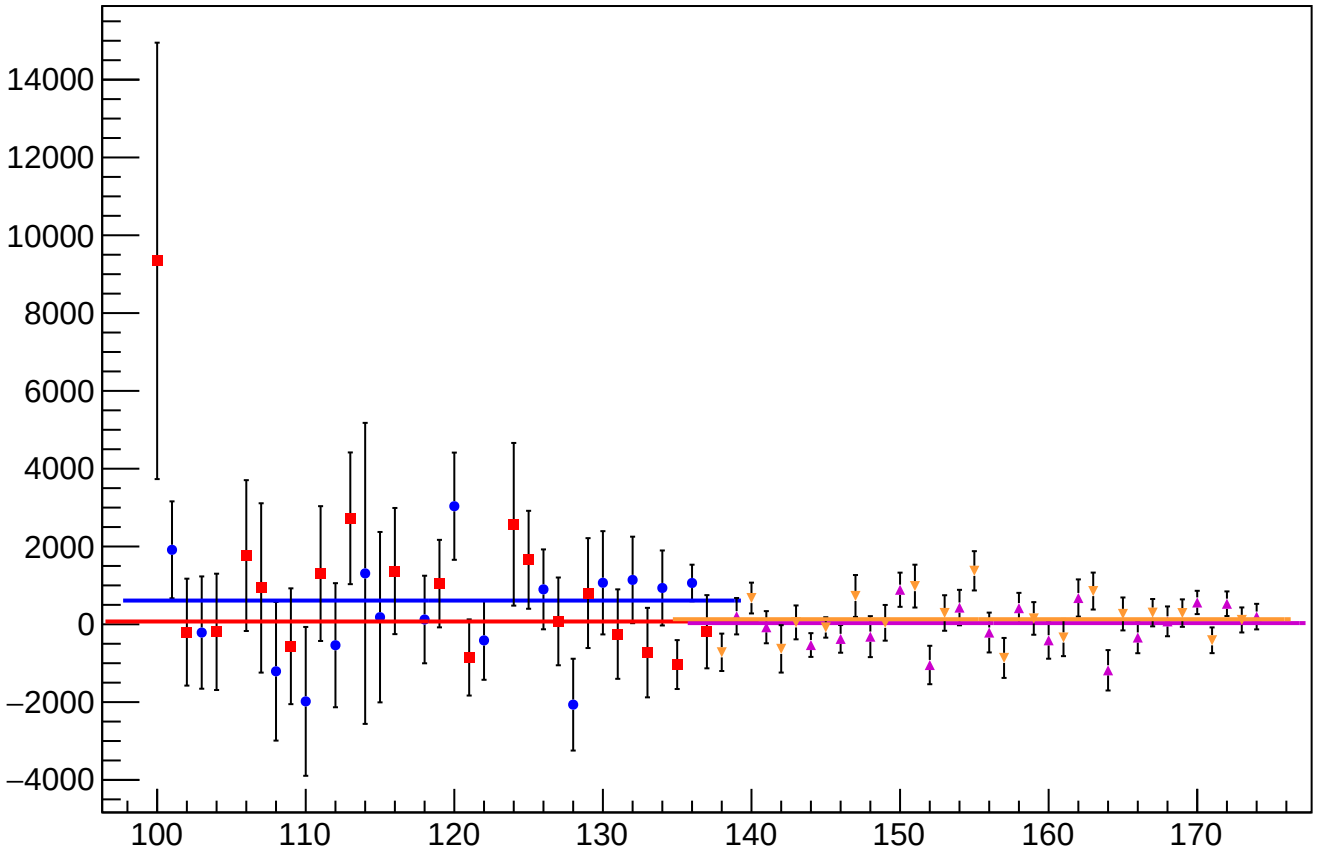
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.513+/-0.012 χ^2/NDF:474742.3/17

+ sign 66.892+/-0.010 χ^2/NDF: 1821290.1/34

All: 66.929+/-0.007 χ^2/NDF: 3697648.0/71

- 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: 131.187+/-94.400 χ^2/NDF:27.4/18

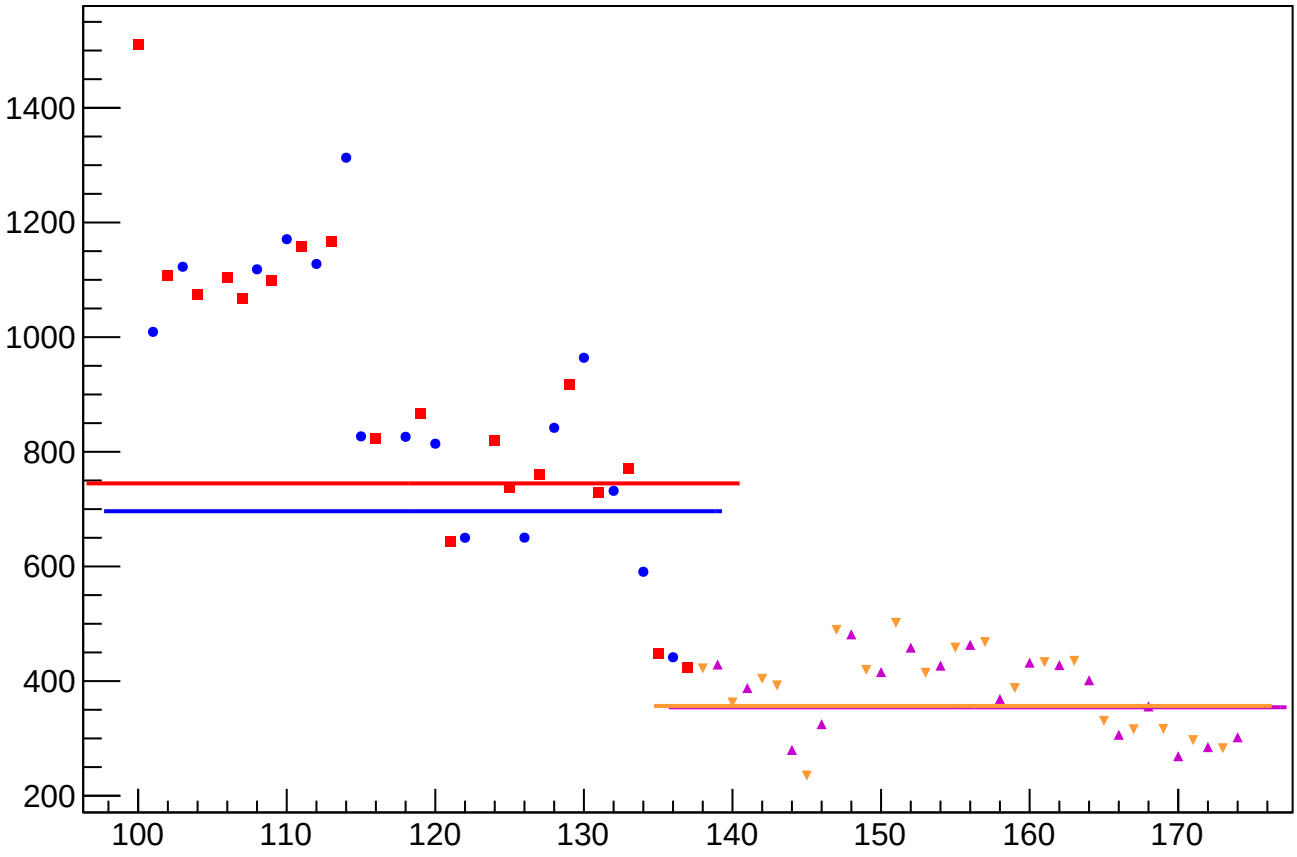
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 31.176+/-94.097 χ^2/NDF:30.7/17

+ sign 182.038+/-89.251 χ^2/NDF: 45.9/34

All: 108.735+/-63.166 χ^2/NDF: 94.2/71

- 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: 356.678+/-0.067 χ^2/NDF:1344975.5/18

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

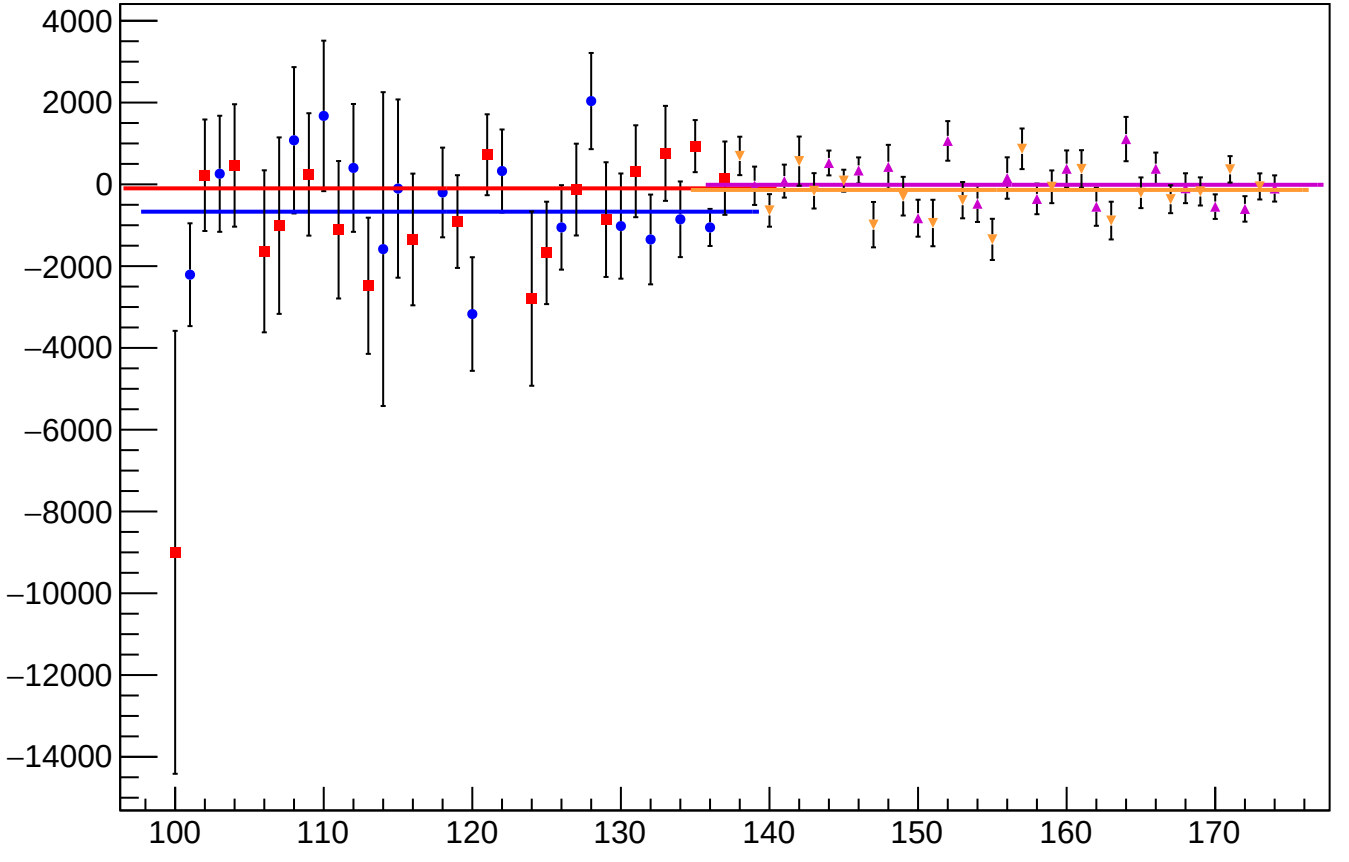
Left In: 354.380+/-0.067 χ^2/NDF:1040949.0/17

+ sign 392.725+/-0.063 χ^2/NDF: 5608582.2/34

All: 392.524+/-0.045 χ^2/NDF: 11494619.4/71

- 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: -136.611+/-92.863 χ^2/NDF:28.4/18

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

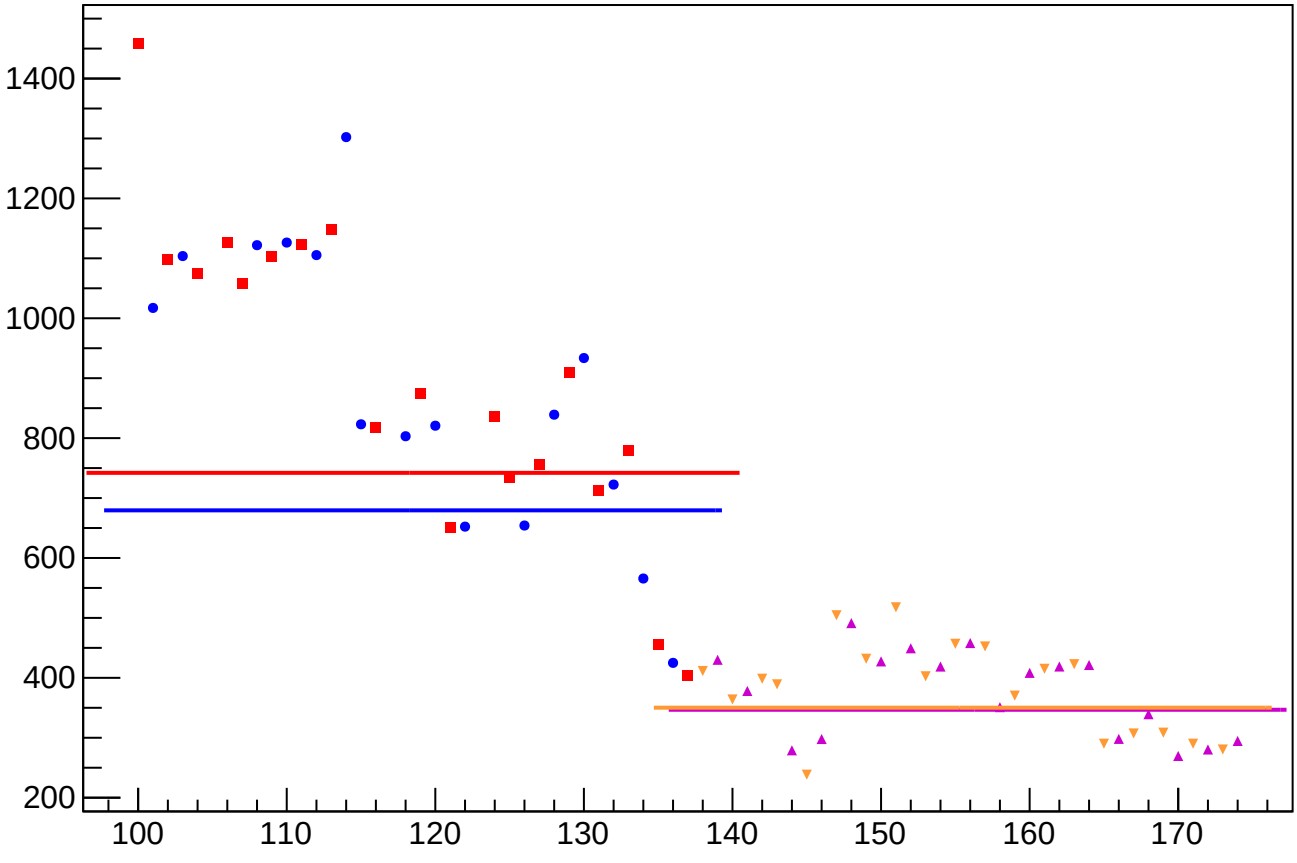
Left In: -10.794+/-92.062 χ^2/NDF:29.4/17

+ sign -193.456+/-87.761 χ^2/NDF: 48.0/34

All: -106.092+/-62.010 χ^2/NDF: 94.3/71

- 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: 350.201+/-0.066 χ^2/NDF:1375273.4/18

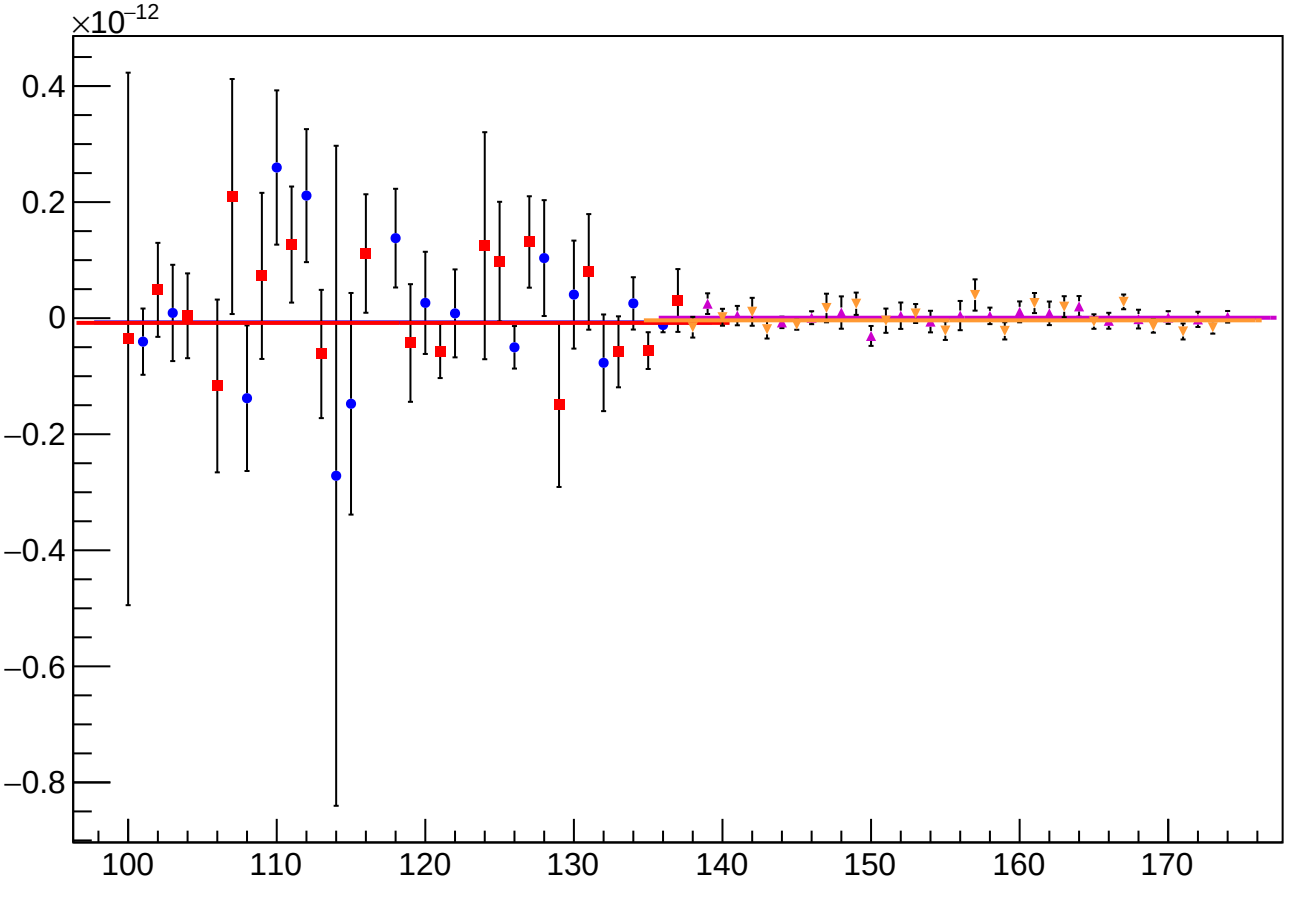
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 346.725+/-0.065 χ^2/NDF:1098148.8/17

+ sign 385.391+/-0.062 χ^2/NDF: 5663437.2/34

All: 384.630+/-0.044 χ^2/NDF: 11731902.7/71

- 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:26.2/18

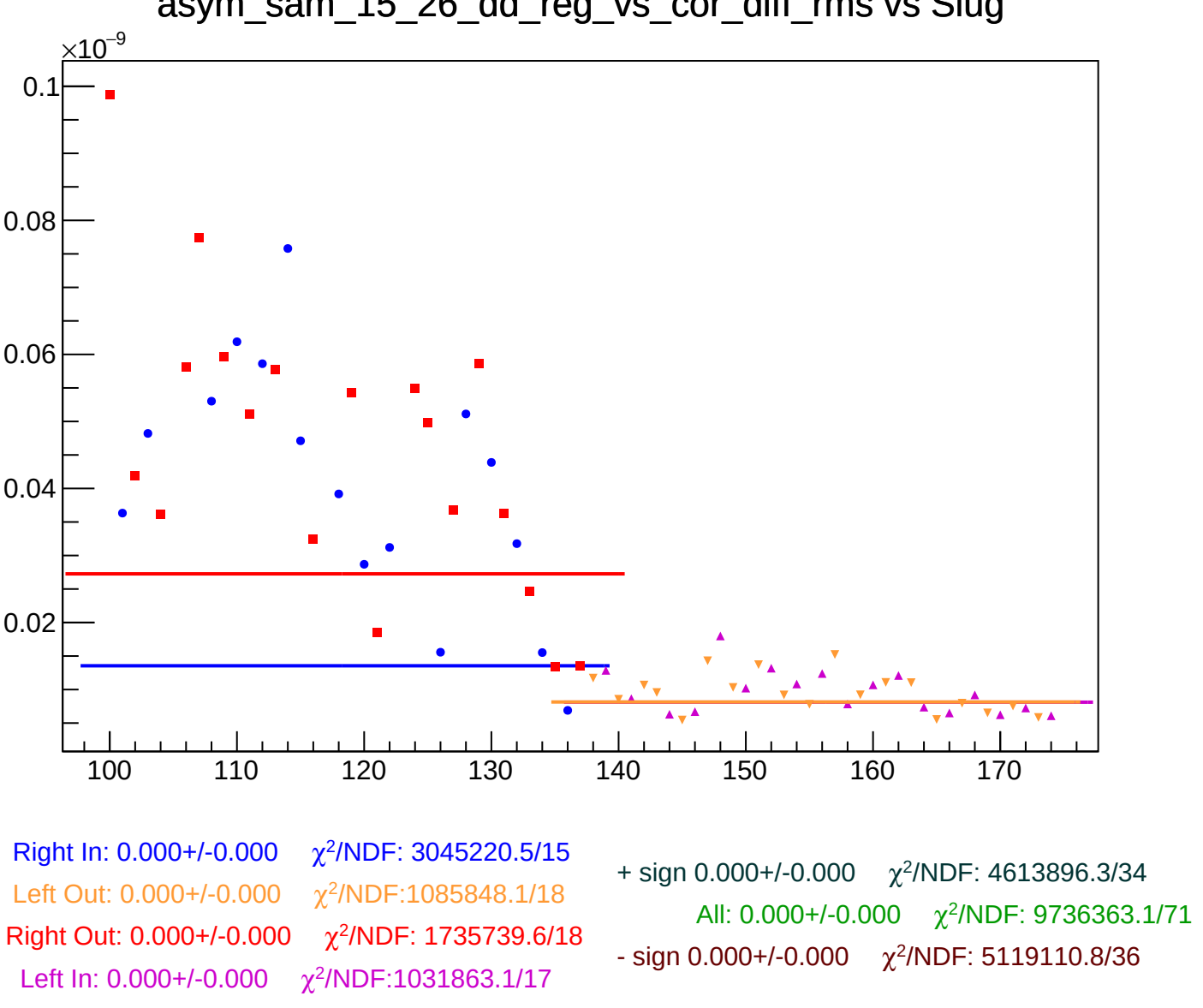
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/17

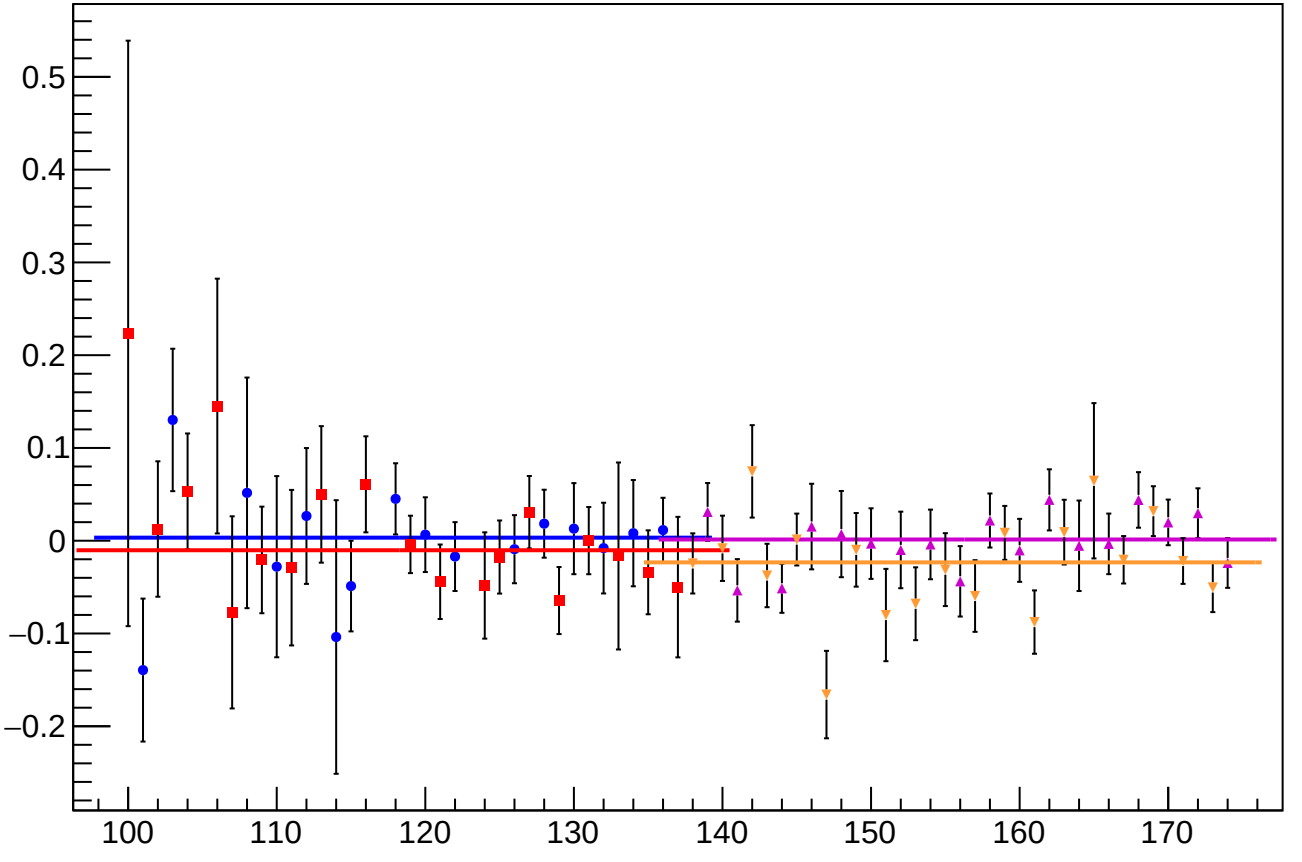
+ sign -0.000+/-0.000 χ^2/NDF: 43.5/34

All: -0.000+/-0.000 χ^2/NDF: 69.9/71

- 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
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:1085848.1/18
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: 4613896.3/34
All: 0.000+/-0.000 χ²/NDF: 9736363.1/71
- 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: -0.023+/-0.008 χ^2/NDF:29.8/18

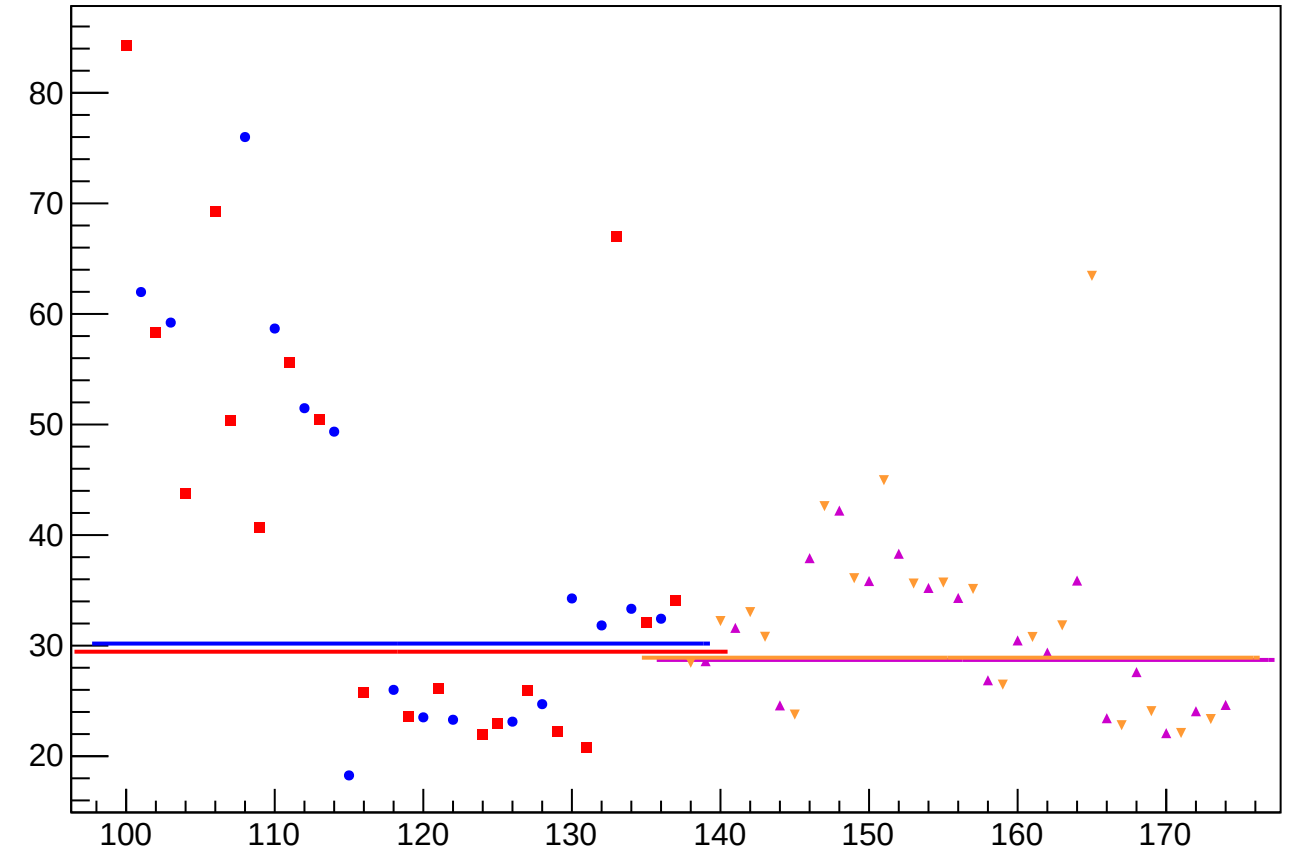
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.001+/-0.008 χ^2/NDF:16.1/17

+ sign -0.016+/-0.007 χ^2/NDF: 43.3/34

All: -0.009+/-0.005 χ^2/NDF: 73.5/71

- 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: 28.910+/-0.005 χ^2/NDF:1512083.3/18

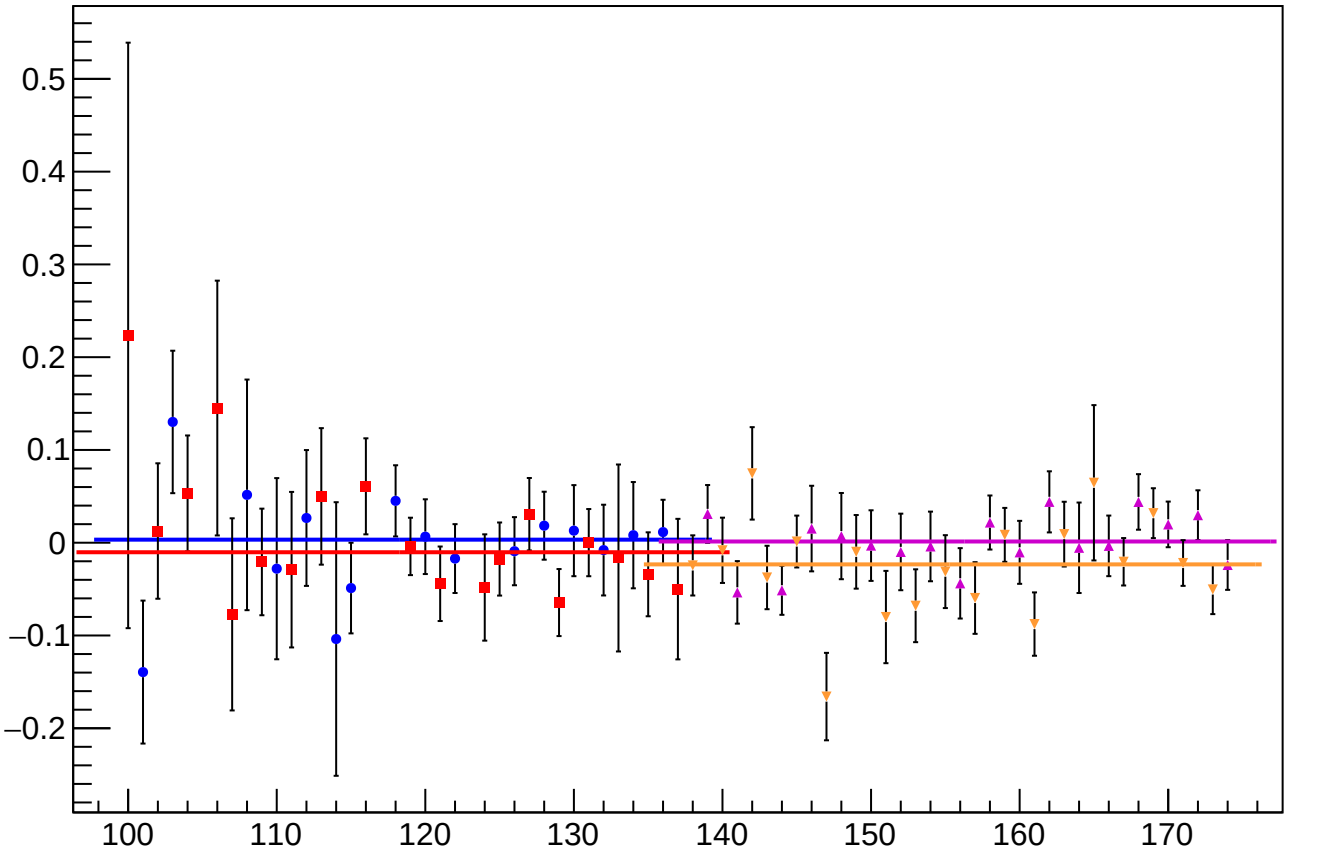
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.707+/-0.005 χ^2/NDF:957464.9/17

+ sign 29.272+/-0.005 χ^2/NDF: 3214942.5/34

All: 29.099+/-0.003 χ^2/NDF: 6029386.7/71

- 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: -0.023+/-0.008 χ^2/NDF:29.8/18

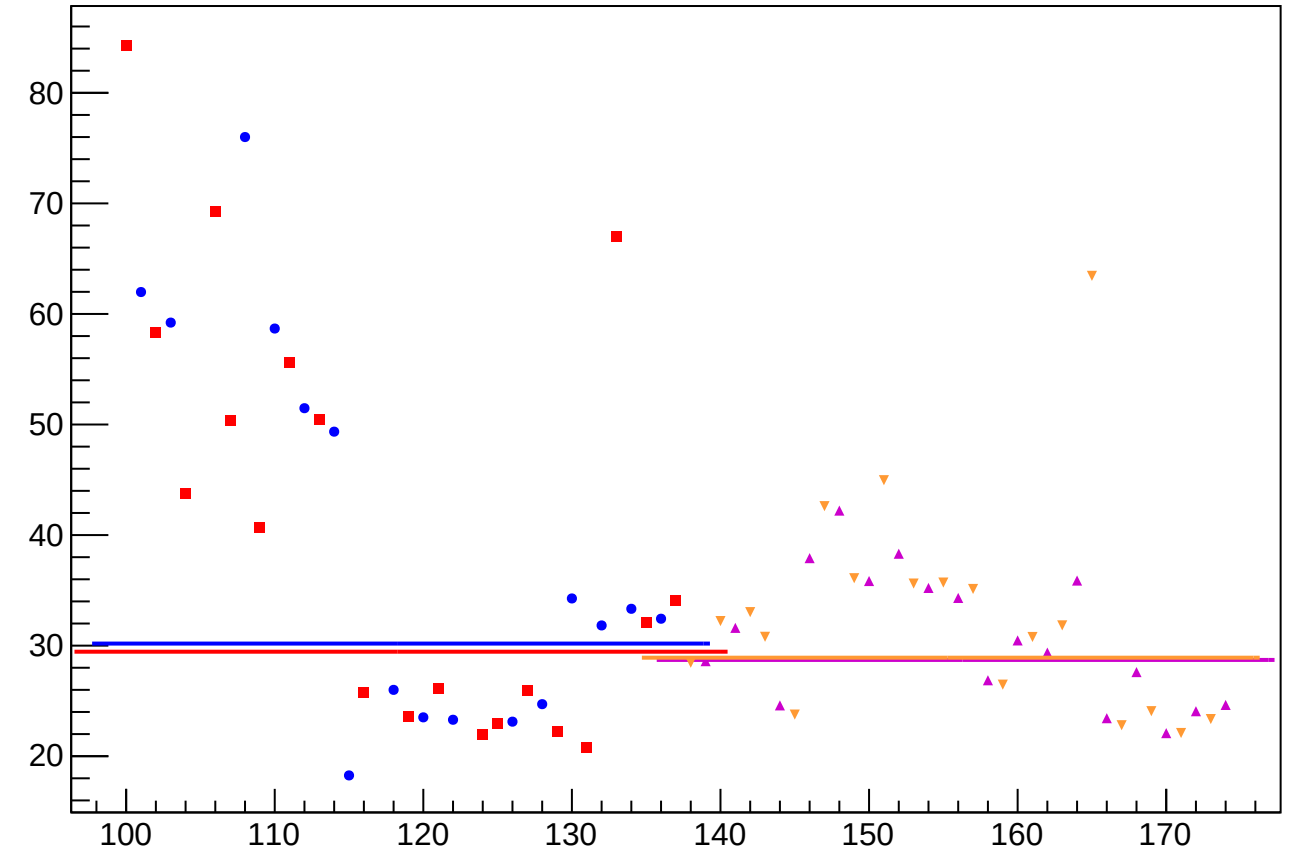
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.001+/-0.008 χ^2/NDF:16.1/17

+ sign -0.016+/-0.007 χ^2/NDF: 43.3/34

All: -0.009+/-0.005 χ^2/NDF: 73.5/71

- 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: 28.910+/-0.005 χ^2/NDF:1512083.3/18

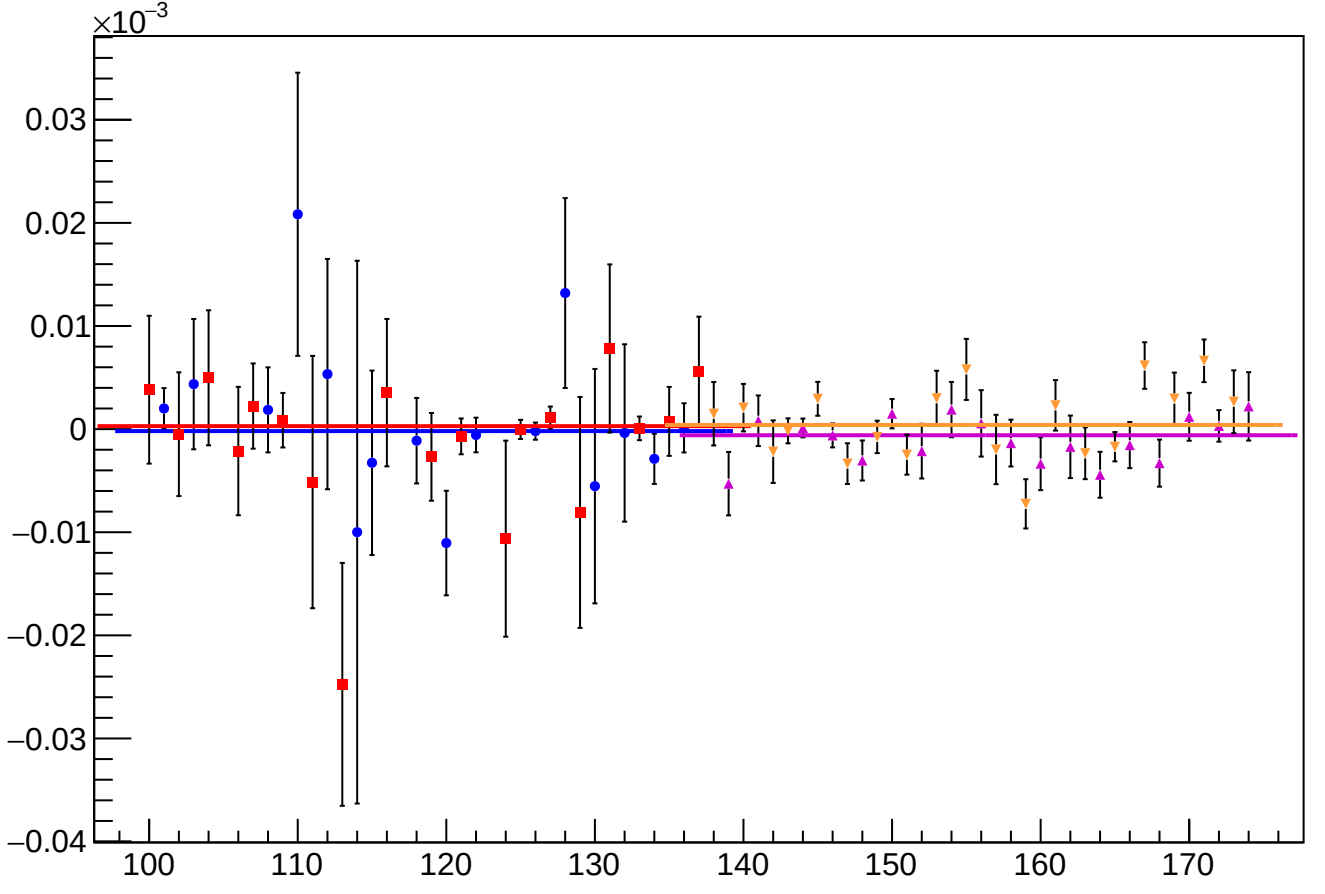
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.707+/-0.005 χ^2/NDF:957464.9/17

+ sign 29.272+/-0.005 χ^2/NDF: 3214942.5/34

All: 29.099+/-0.003 χ^2/NDF: 6029386.7/71

- 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:46.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

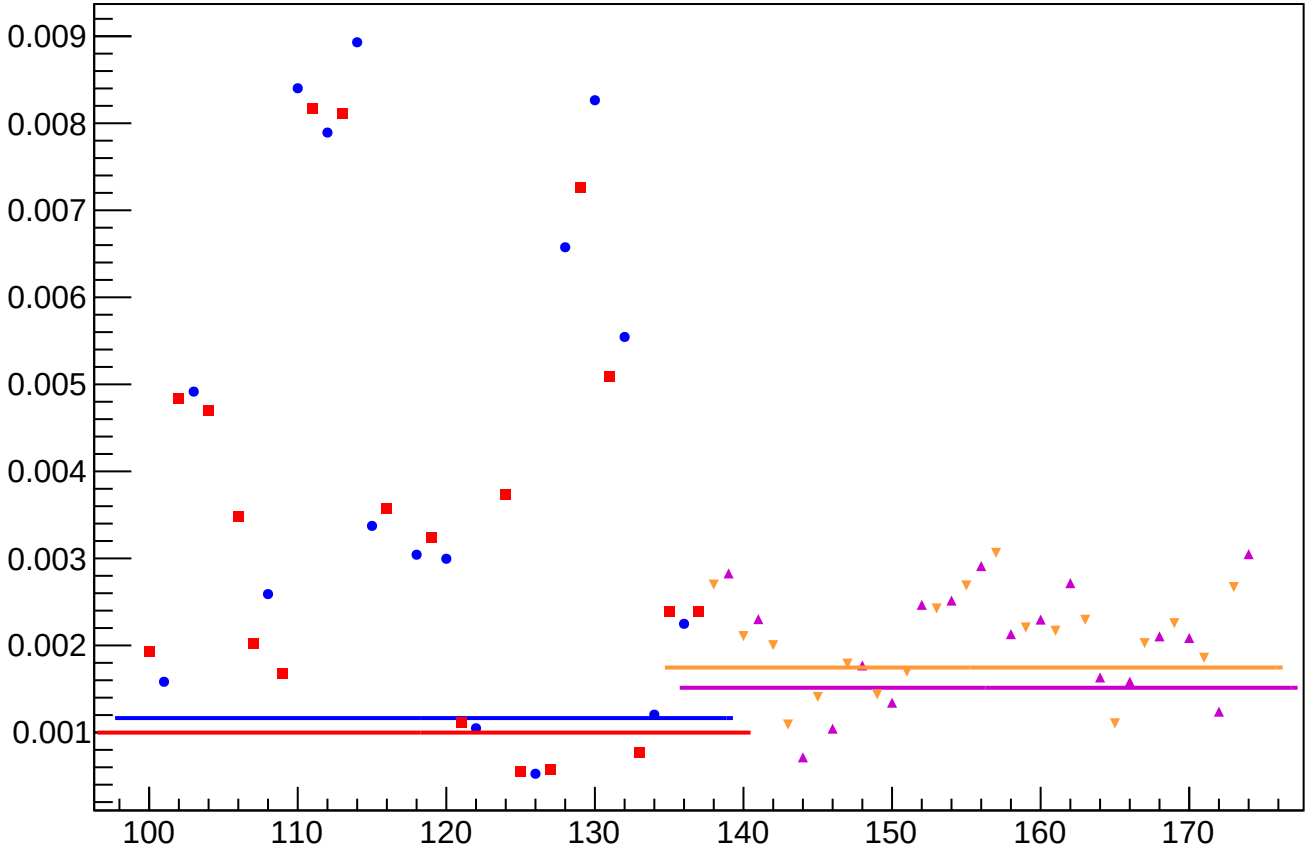
Left In: -0.000+/-0.000 χ^2/NDF:16.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 60.3/34

All: -0.000+/-0.000 χ^2/NDF: 89.9/71

- sign -0.000+/-0.000 χ^2/NDF: 29.0/36

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2584554.8/18

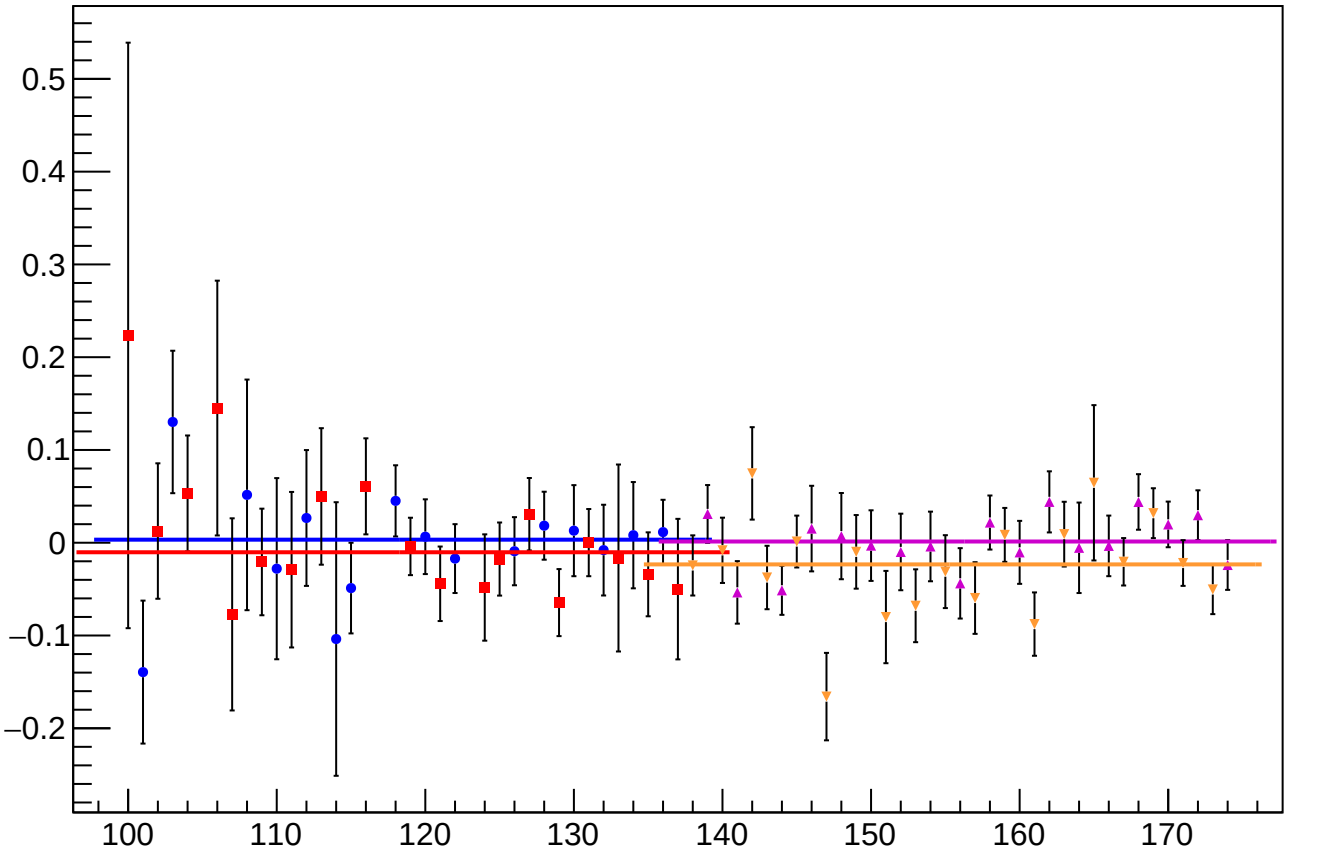
Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.002+/-0.000 χ^2/NDF:4823131.7/17

+ sign 0.002+/-0.000 χ^2/NDF: 10583510.6/34

All: 0.001+/-0.000 χ^2/NDF: 23891358.0/71

- sign 0.001+/-0.000 χ^2/NDF: 12893728.3/36



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.023+/-0.008 χ^2/NDF:29.8/18

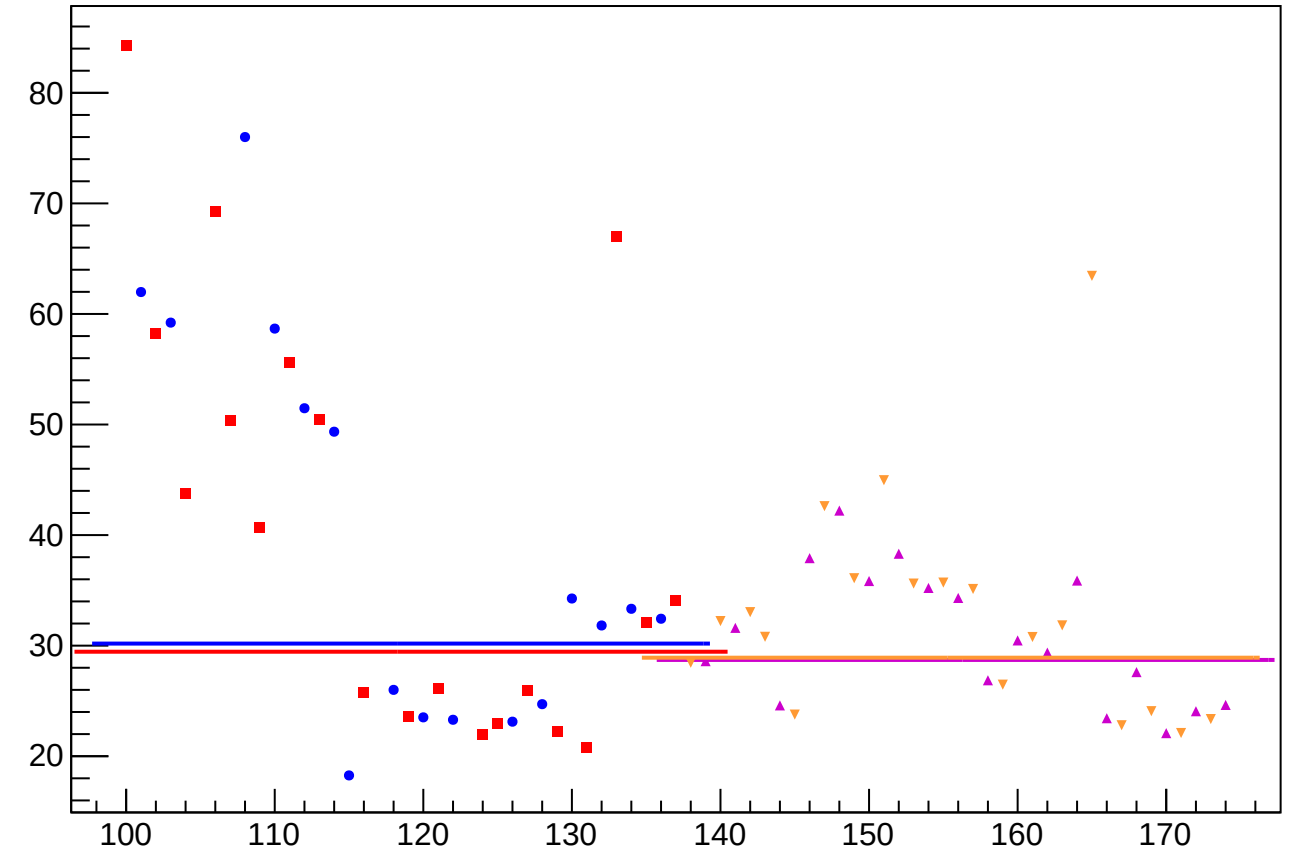
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.001+/-0.008 χ^2/NDF:16.1/17

+ sign -0.016+/-0.007 χ^2/NDF: 43.3/34

All: -0.009+/-0.005 χ^2/NDF: 73.5/71

- 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: 28.910+/-0.005 χ^2/NDF:1512068.3/18

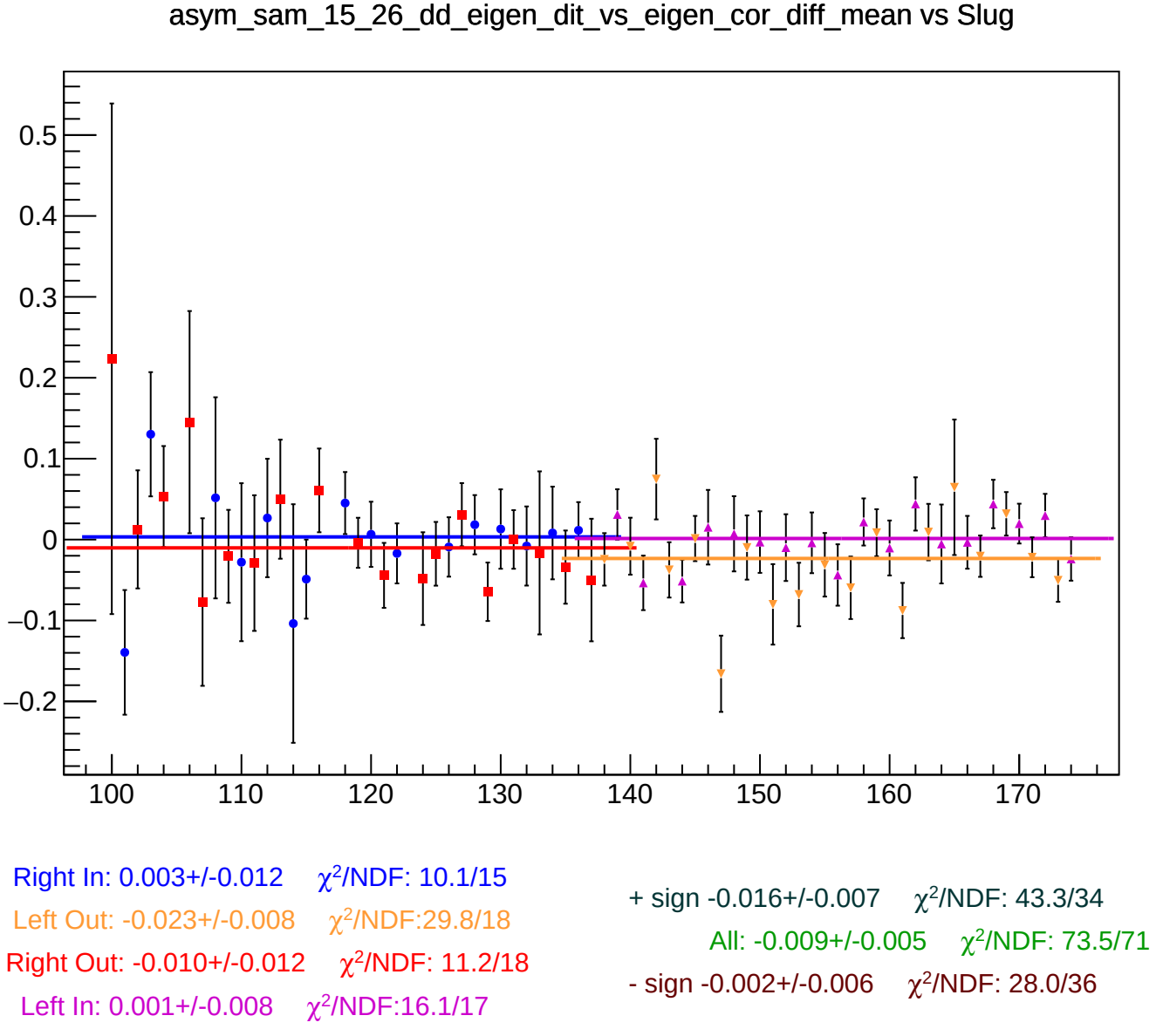
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

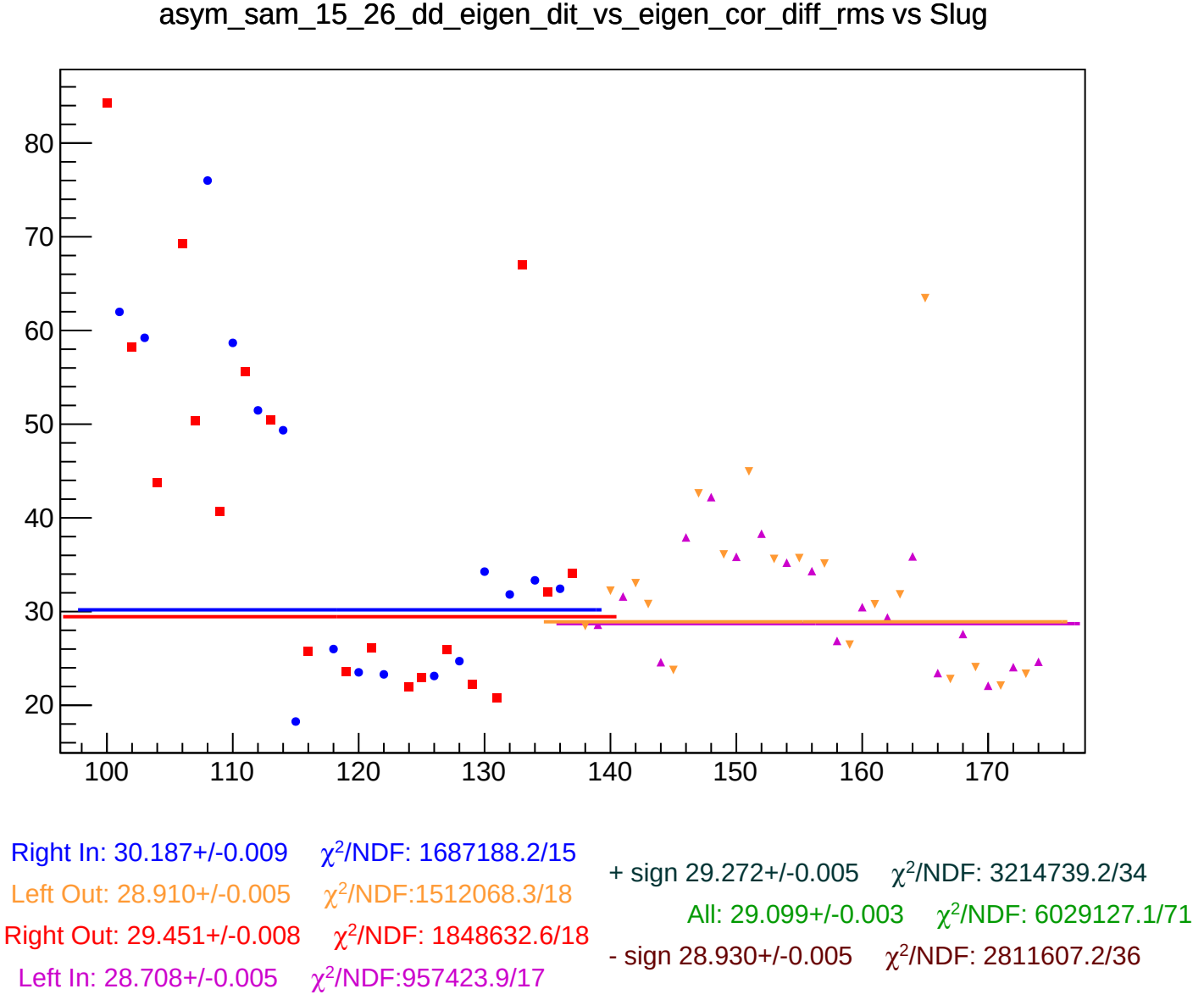
Left In: 28.708+/-0.005 χ^2/NDF:957423.9/17

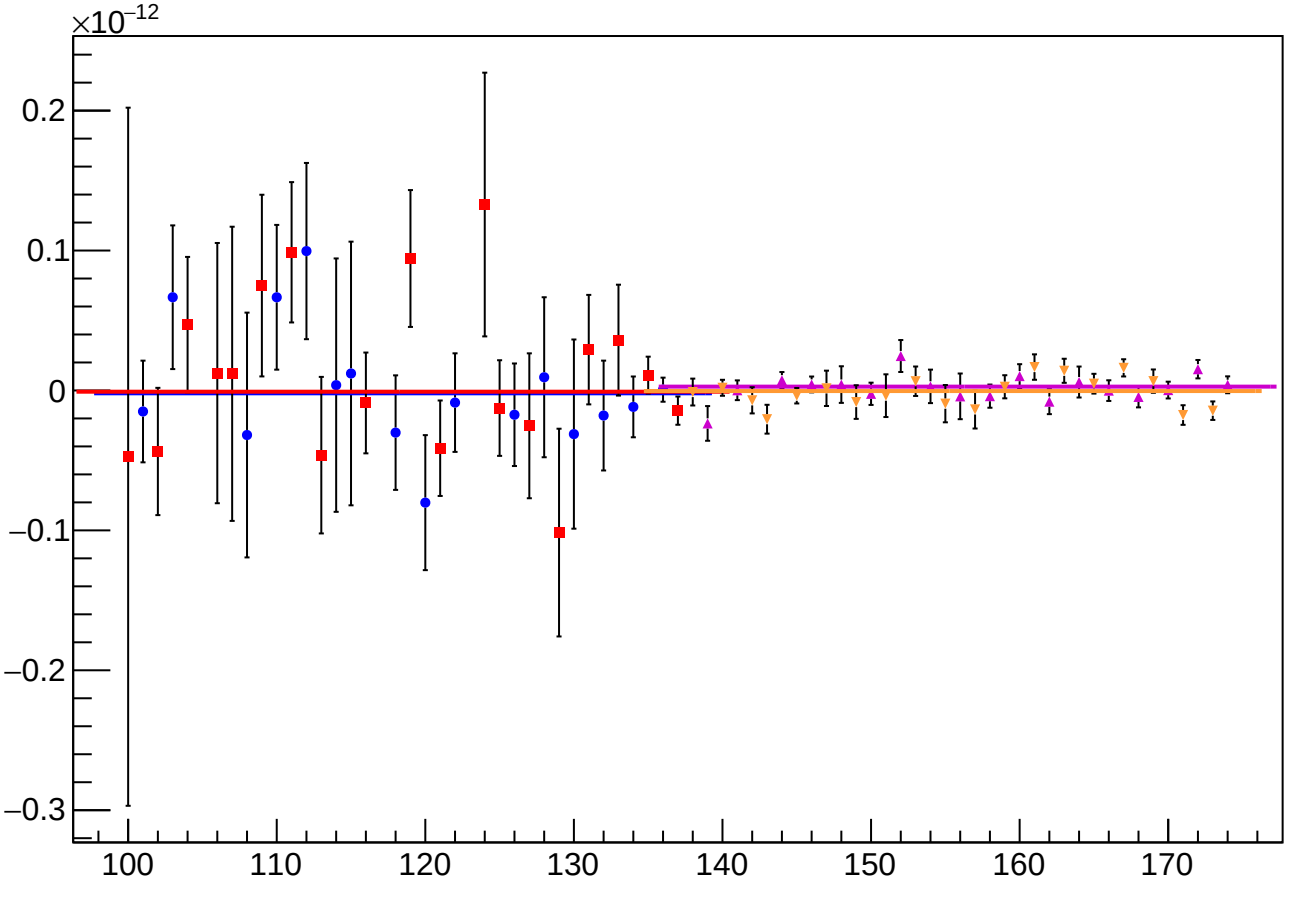
+ sign 29.272+/-0.005 χ^2/NDF: 3214739.2/34

All: 29.099+/-0.003 χ^2/NDF: 6029127.1/71

- 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: -0.023+/-0.008 χ²/NDF:29.8/18
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.001+/-0.008 χ²/NDF:16.1/17
+ sign -0.016+/-0.007 χ²/NDF: 43.3/34
All: -0.009+/-0.005 χ²/NDF: 73.5/71
- sign -0.002+/-0.006 χ²/NDF: 28.0/36


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 28.910+/-0.005 χ²/NDF:1512068.3/18
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 28.708+/-0.005 χ²/NDF:957423.9/17
+ sign 29.272+/-0.005 χ²/NDF: 3214739.2/34
All: 29.099+/-0.003 χ²/NDF: 6029127.1/71
- sign 28.930+/-0.005 χ²/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:32.7/18

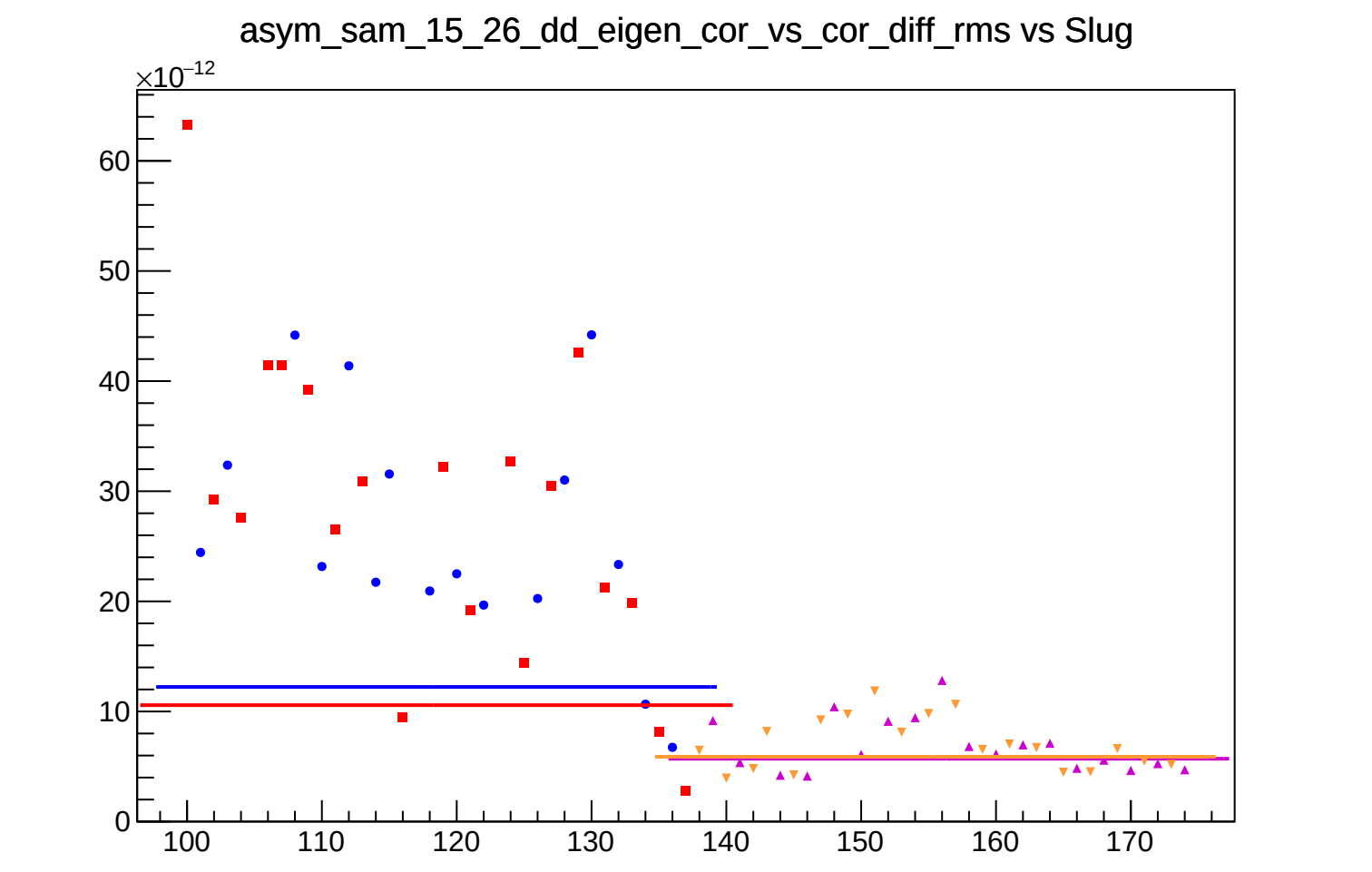
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:17.5/17

+ sign -0.000+/-0.000 χ^2/NDF: 43.2/34

All: 0.000+/-0.000 χ^2/NDF: 83.8/71

- 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:1985875.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

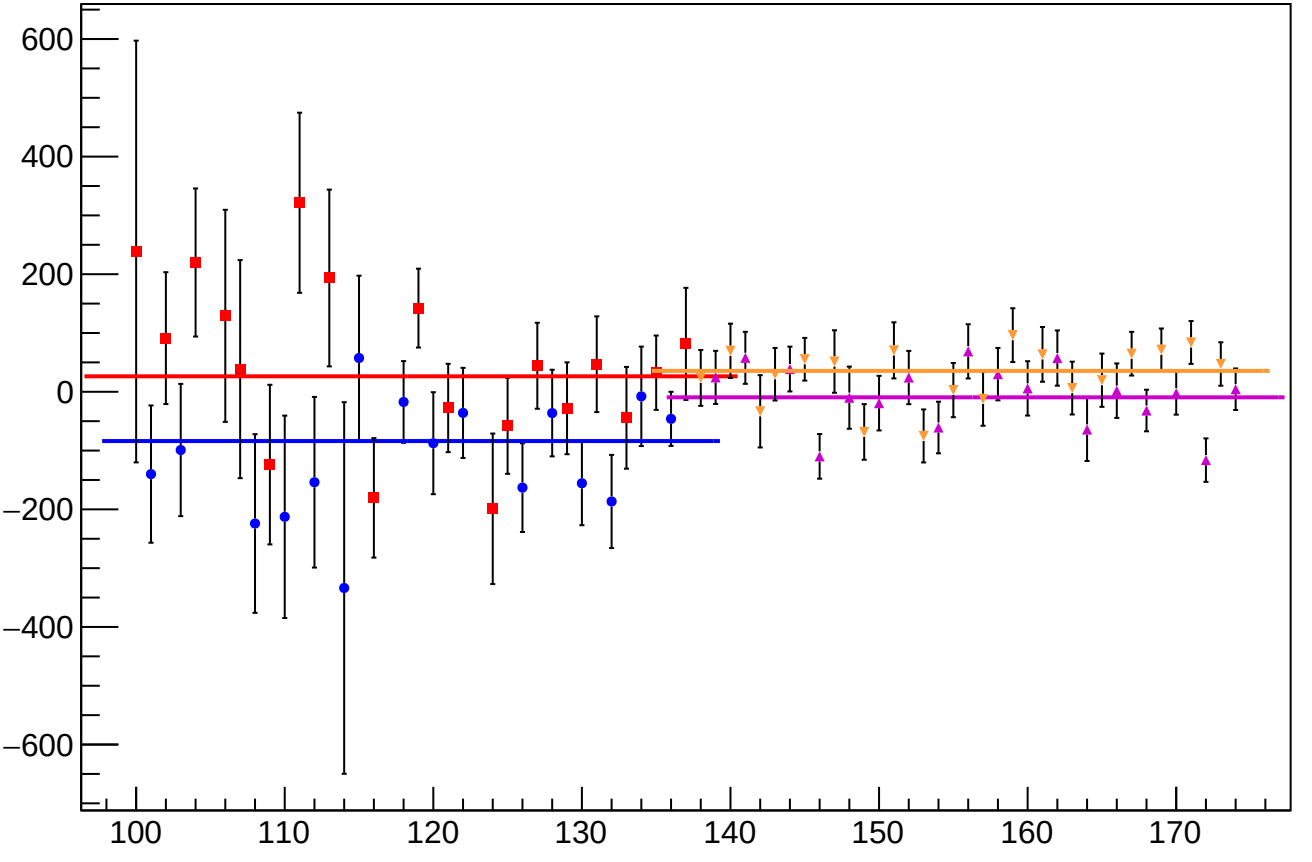
Left In: 0.000+/-0.000 χ^2/NDF:1730776.5/17

+ sign 0.000+/-0.000 χ^2/NDF: 7026644.7/34

All: 0.000+/-0.000 χ^2/NDF: 14543832.9/71

- 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: 35.555+/-9.993 χ^2/NDF:21.4/18

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

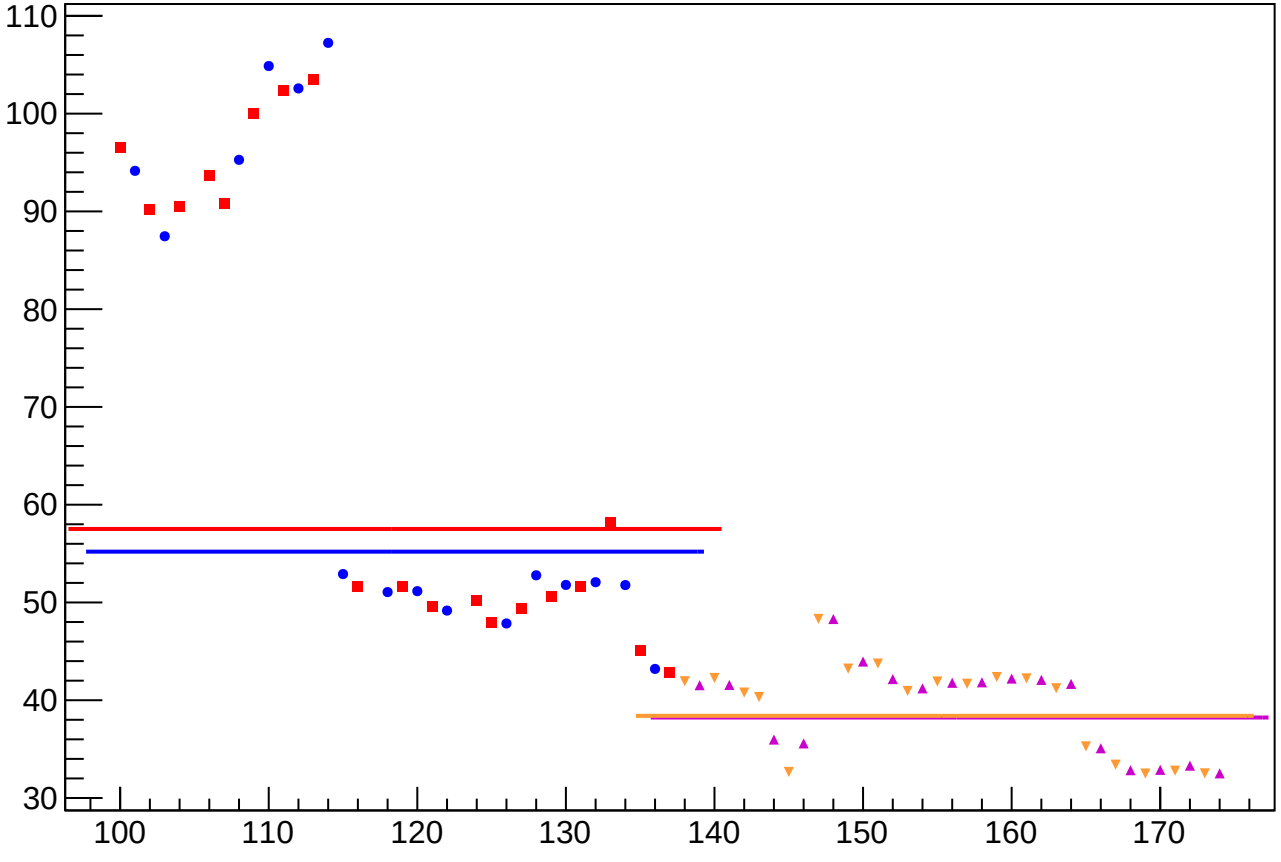
Left In: -9.436+/-10.001 χ^2/NDF:29.2/17

+ sign 14.243+/-9.057 χ^2/NDF: 57.4/34

All: 5.498+/-6.423 χ^2/NDF: 113.7/71

- 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: 38.403+/-0.007 χ^2/NDF:459215.5/18

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

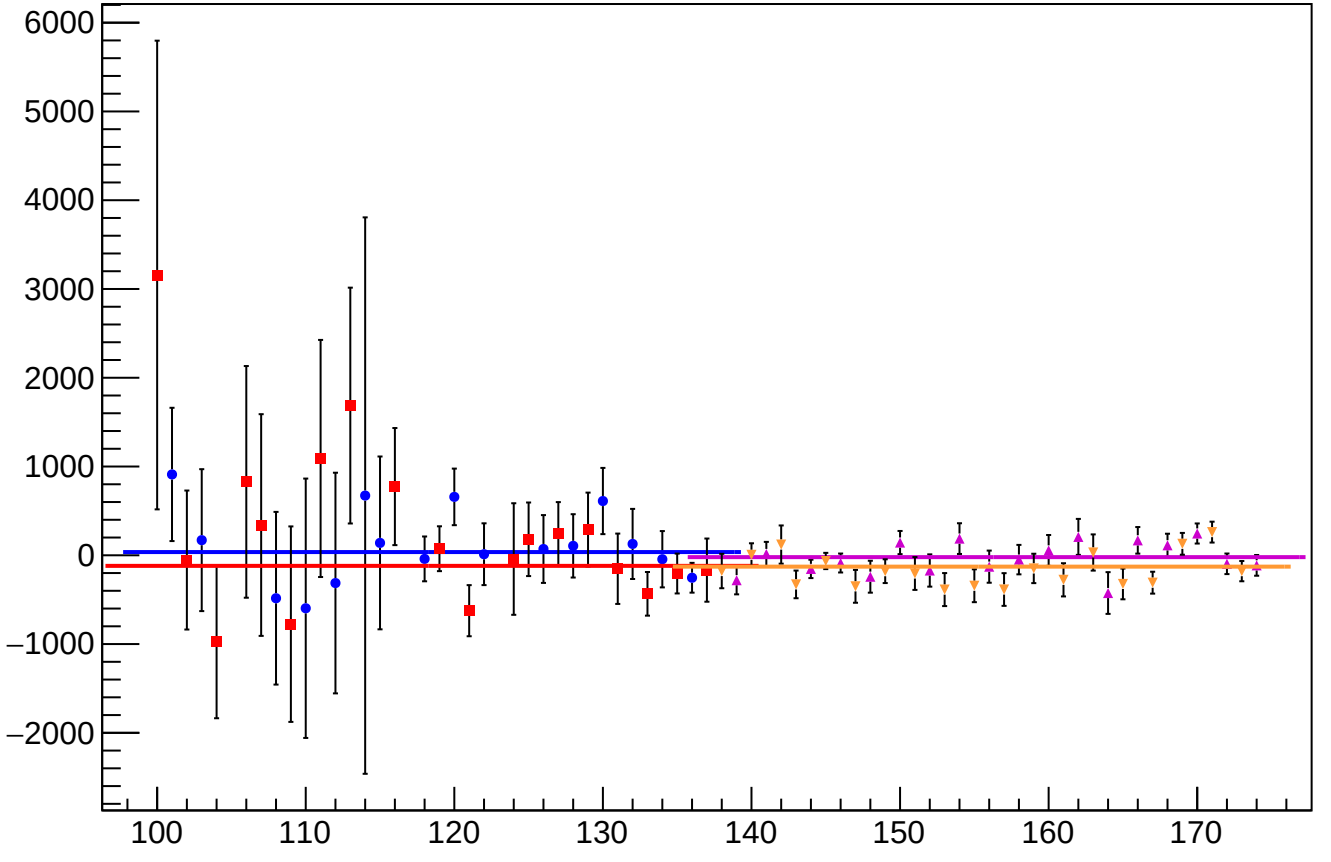
Left In: 38.232+/-0.007 χ^2/NDF:413789.5/17

+ sign 41.402+/-0.006 χ^2/NDF: 2620381.7/34

All: 41.460+/-0.005 χ^2/NDF: 5583633.3/71

- 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: -127.860+/-33.838 χ^2/NDF:31.8/18

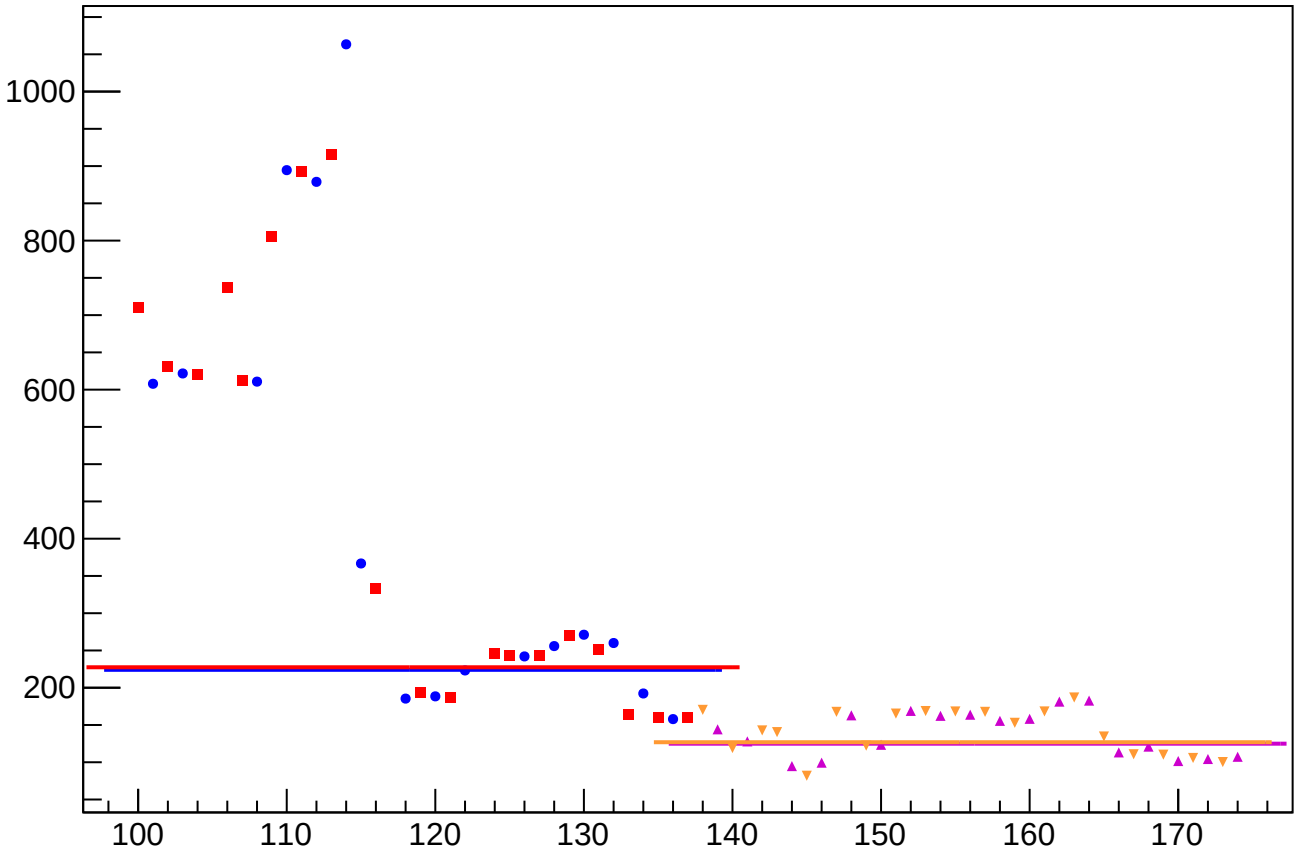
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -20.785+/-33.349 χ^2/NDF:24.0/17

+ sign -108.869+/-31.821 χ^2/NDF: 45.9/34

All: -69.743+/-22.385 χ^2/NDF: 89.9/71

- 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: 126.871+/-0.024 χ^2/NDF:1669850.2/18

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

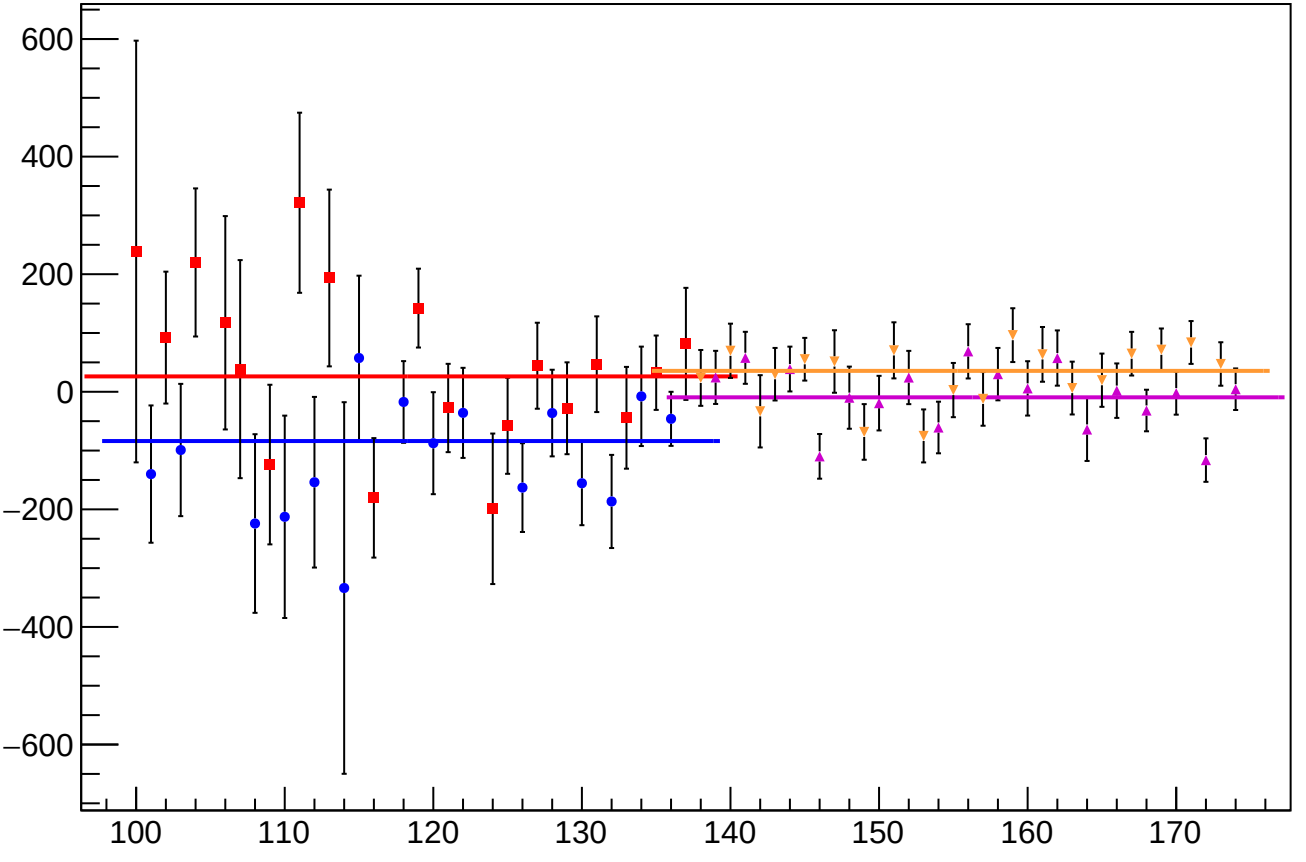
Left In: 124.910+/-0.024 χ^2/NDF:1330114.1/17

+ sign 138.111+/-0.023 χ^2/NDF: 6545592.7/34

All: 137.037+/-0.016 χ^2/NDF: 13563289.8/71

- 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: 35.556+/-9.993 χ^2/NDF:21.4/18

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

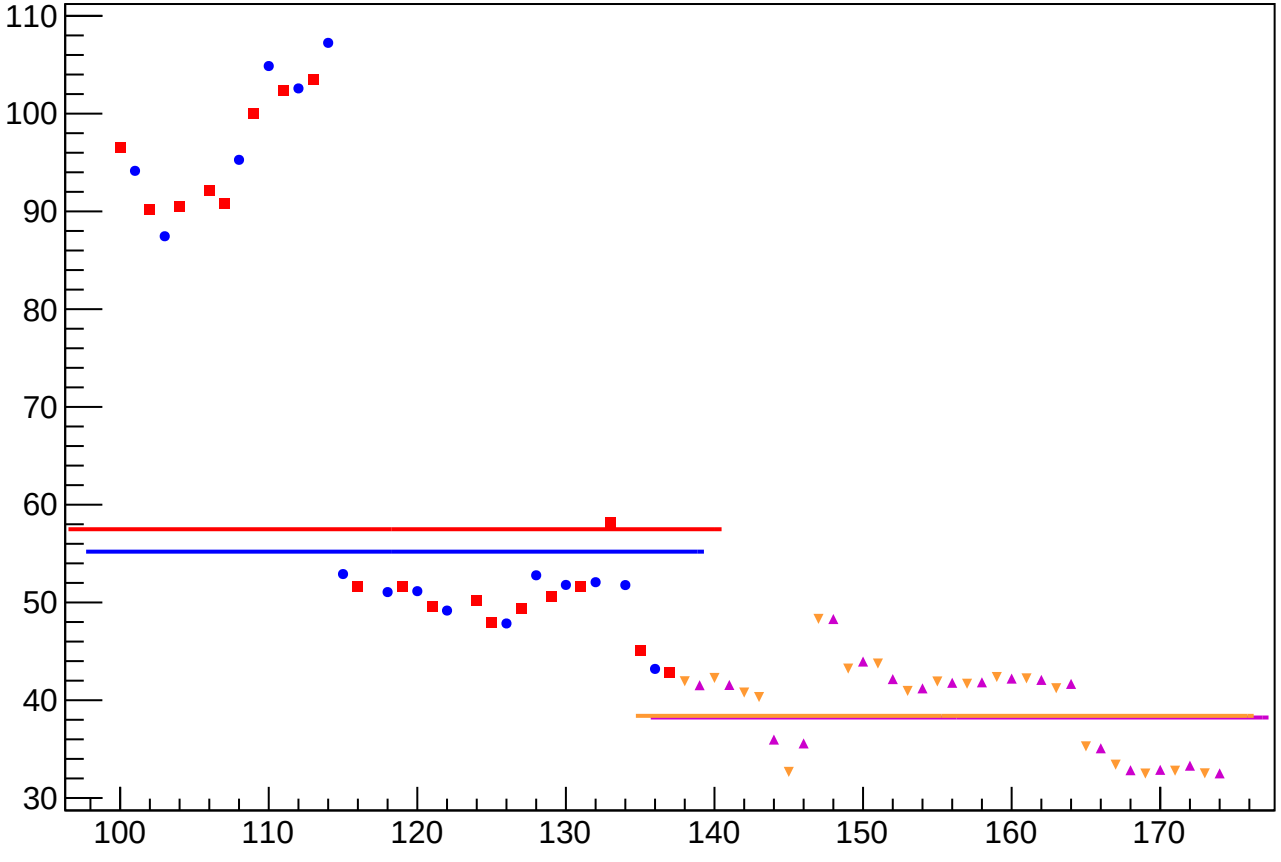
Left In: -9.435+/-10.001 χ^2/NDF:29.2/17

+ sign 14.245+/-9.057 χ^2/NDF: 57.4/34

All: 5.485+/-6.423 χ^2/NDF: 113.6/71

- 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: 38.403+/-0.007 χ^2/NDF:459215.5/18

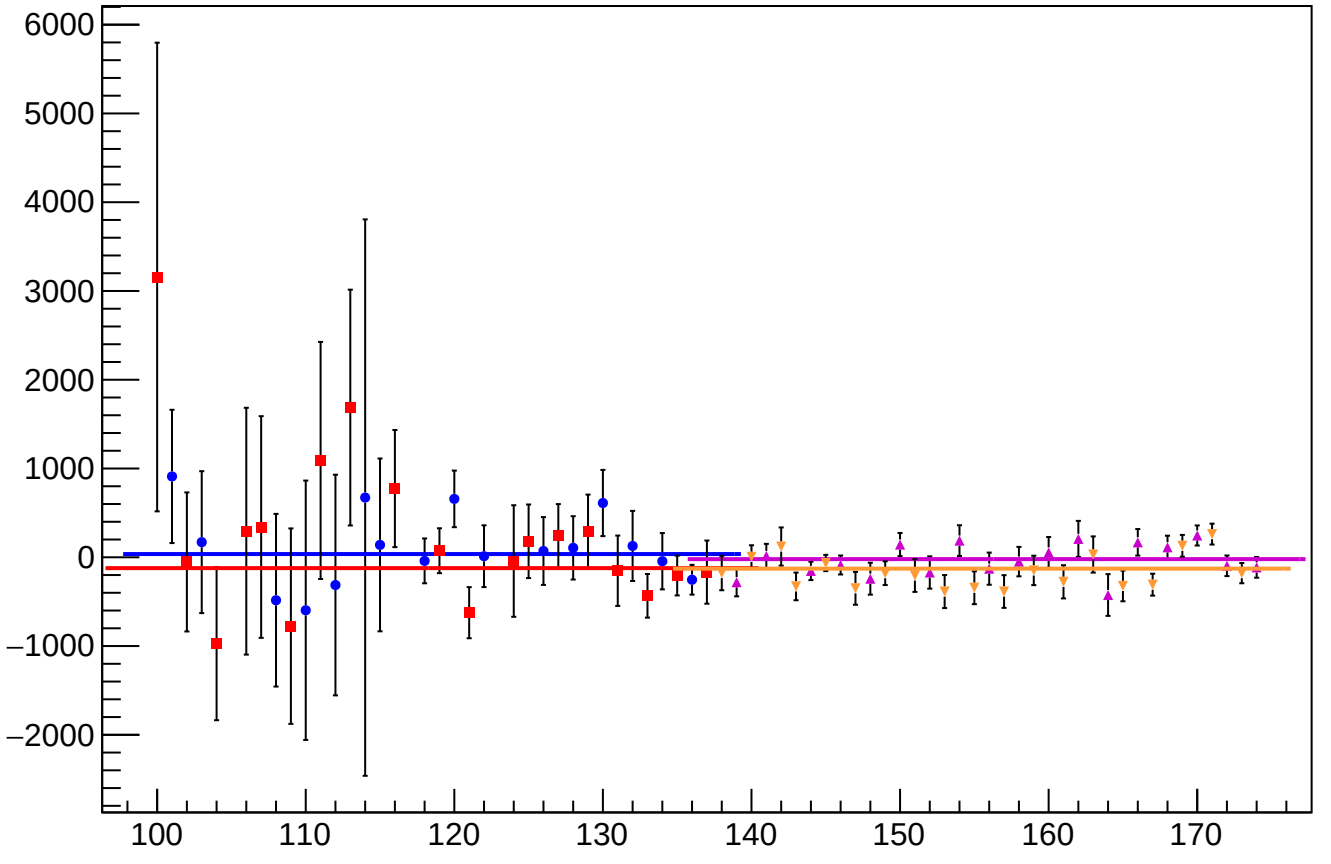
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.232+/-0.007 χ^2/NDF:413789.5/17

+ sign 41.402+/-0.006 χ^2/NDF: 2620381.9/34

All: 41.457+/-0.005 χ^2/NDF: 5572219.1/71

- 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: -127.862+/-33.838 χ^2/NDF:31.8/18

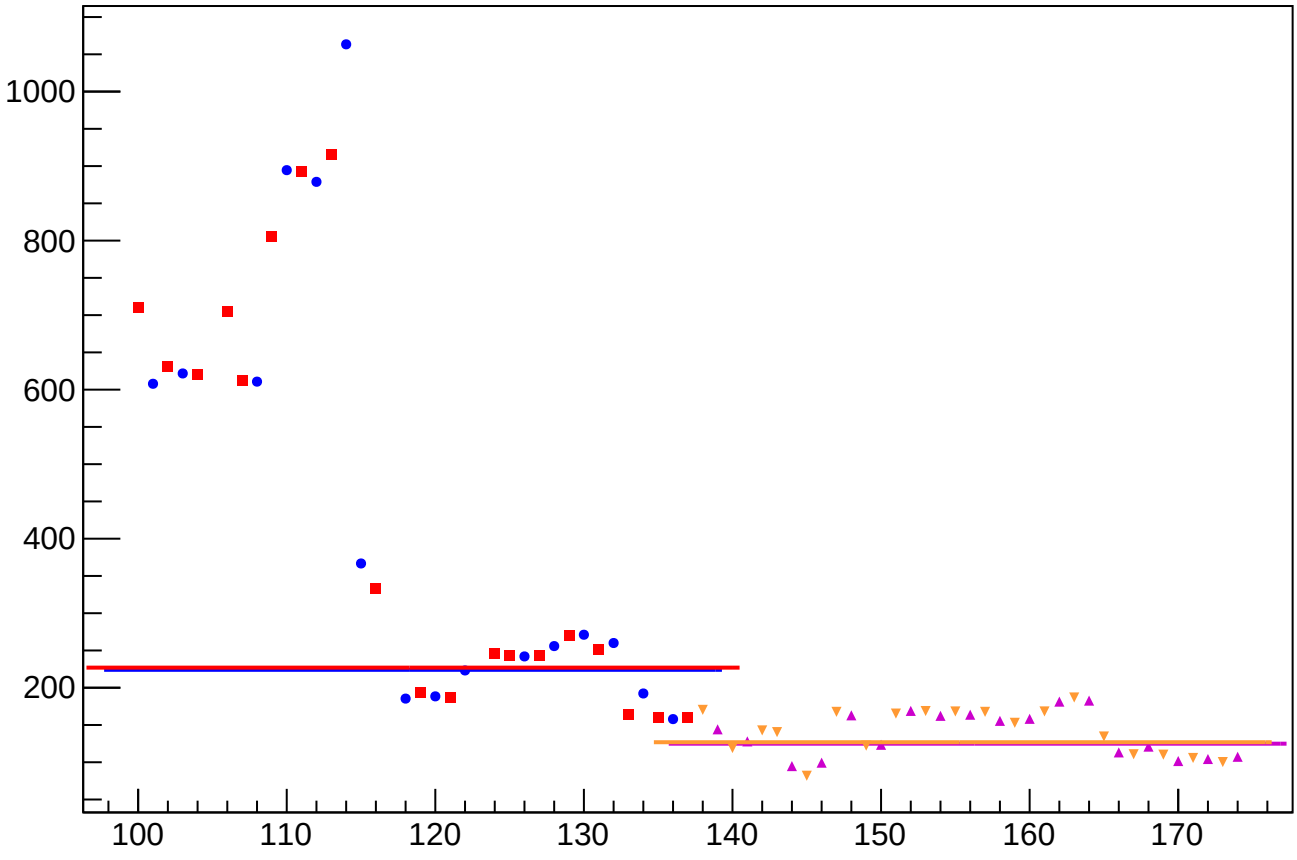
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -20.786+/-33.349 χ^2/NDF:24.0/17

+ sign -108.870+/-31.821 χ^2/NDF: 45.9/34

All: -69.913+/-22.385 χ^2/NDF: 89.4/71

- 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: 126.871+/-0.024 χ^2/NDF:1669847.8/18

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

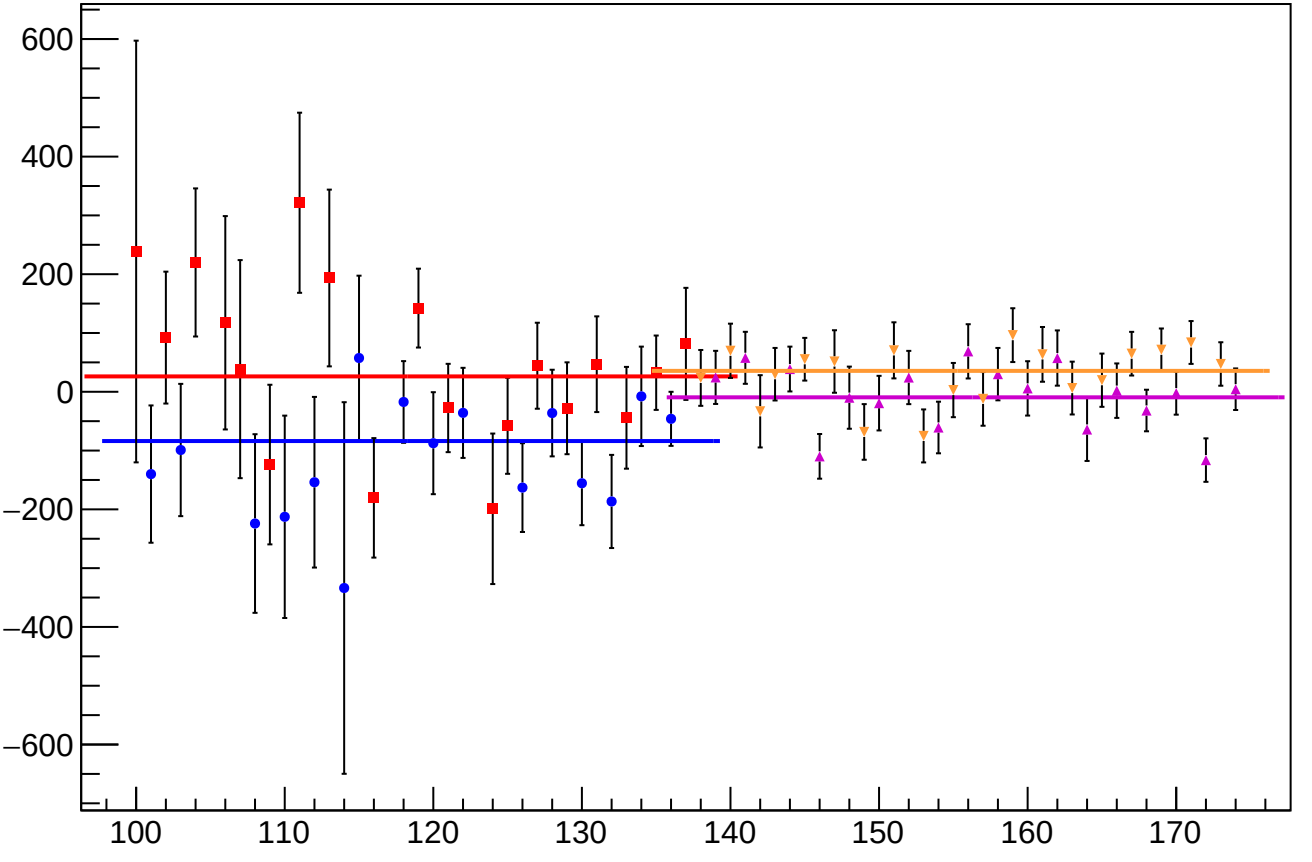
Left In: 124.910+/-0.024 χ^2/NDF:1330123.5/17

+ sign 138.111+/-0.023 χ^2/NDF: 6545594.9/34

All: 137.008+/-0.016 χ^2/NDF: 13474620.0/71

- 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: 35.556+/-9.993 χ^2/NDF:21.4/18

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

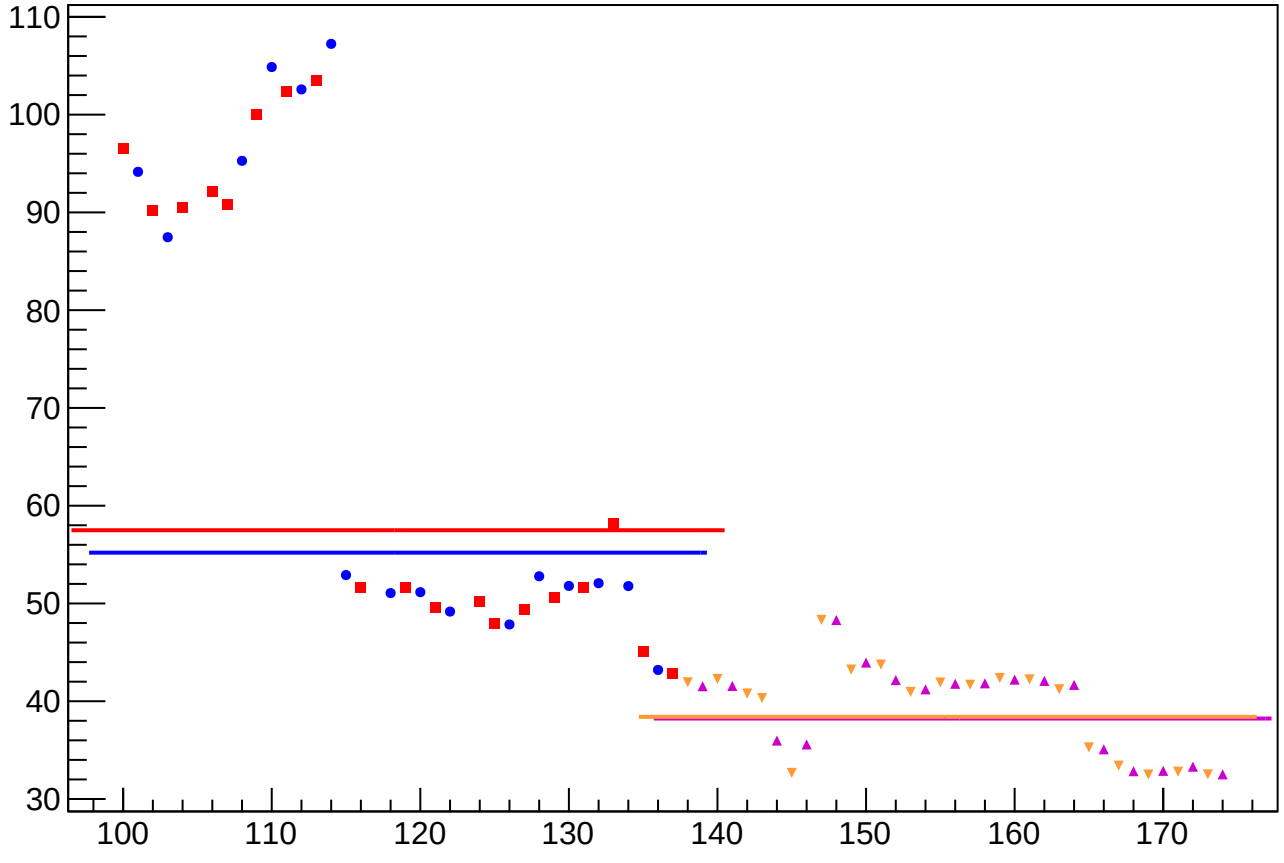
Left In: -9.435+/-10.001 χ^2/NDF:29.2/17

+ sign 14.245+/-9.057 χ^2/NDF: 57.4/34

All: 5.485+/-6.423 χ^2/NDF: 113.6/71

- 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: 38.403+/-0.007 χ^2/NDF:459215.5/18

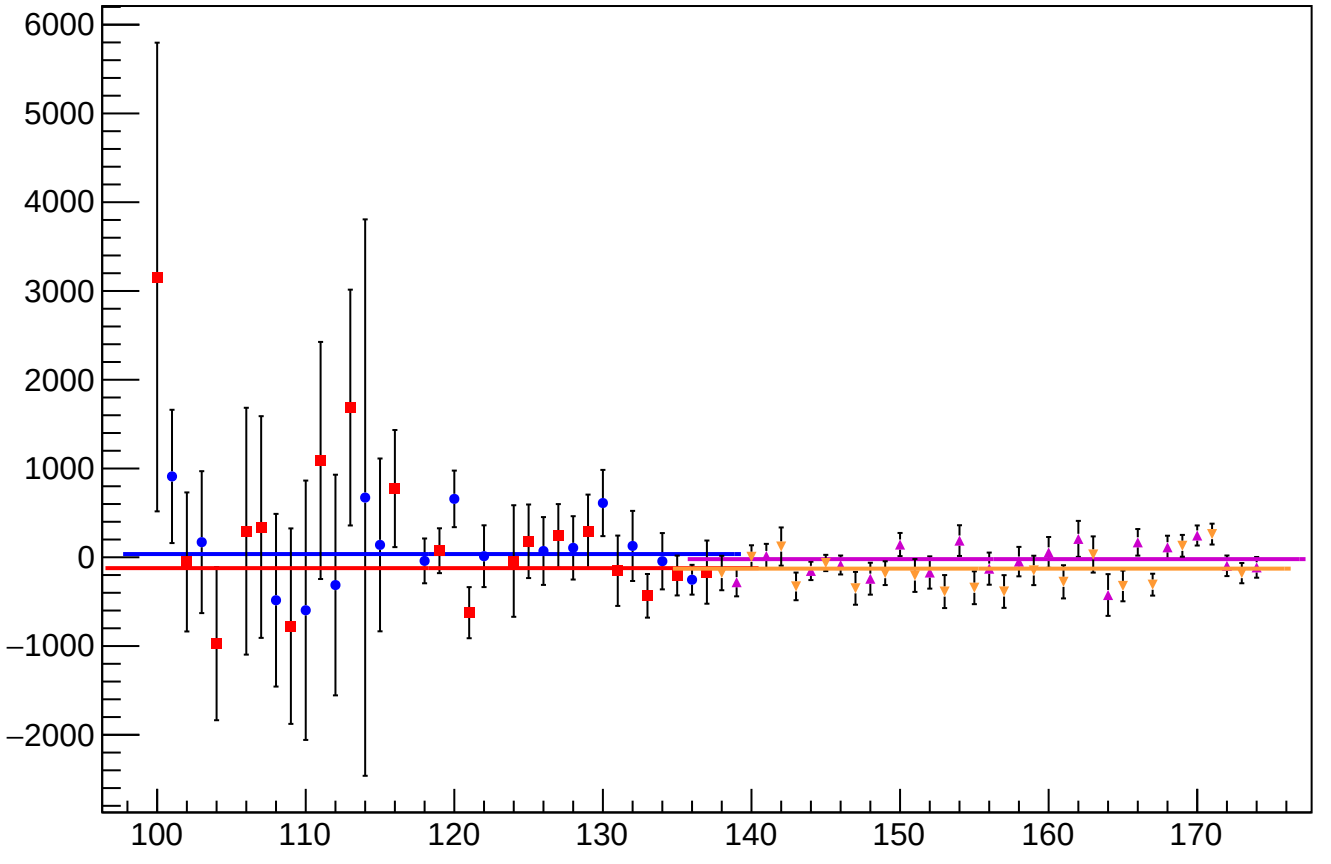
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.232+/-0.007 χ^2/NDF:413789.5/17

+ sign 41.402+/-0.006 χ^2/NDF: 2620381.9/34

All: 41.457+/-0.005 χ^2/NDF: 5572219.1/71

- 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: -127.862+/-33.838 χ^2/NDF:31.8/18

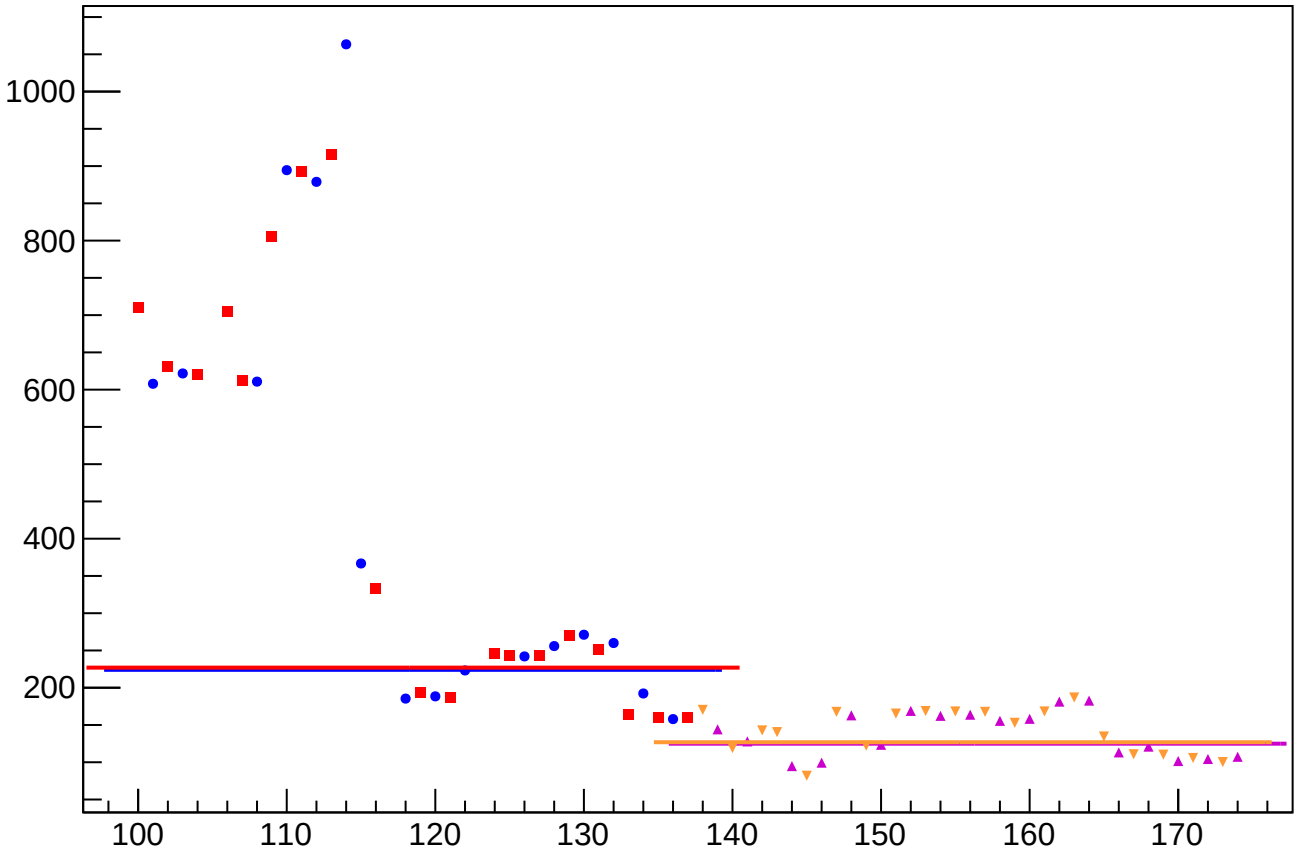
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -20.786+/-33.349 χ^2/NDF:24.0/17

+ sign -108.870+/-31.821 χ^2/NDF: 45.9/34

All: -69.913+/-22.385 χ^2/NDF: 89.4/71

- 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: 126.871+/-0.024 χ^2/NDF:1669847.8/18

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

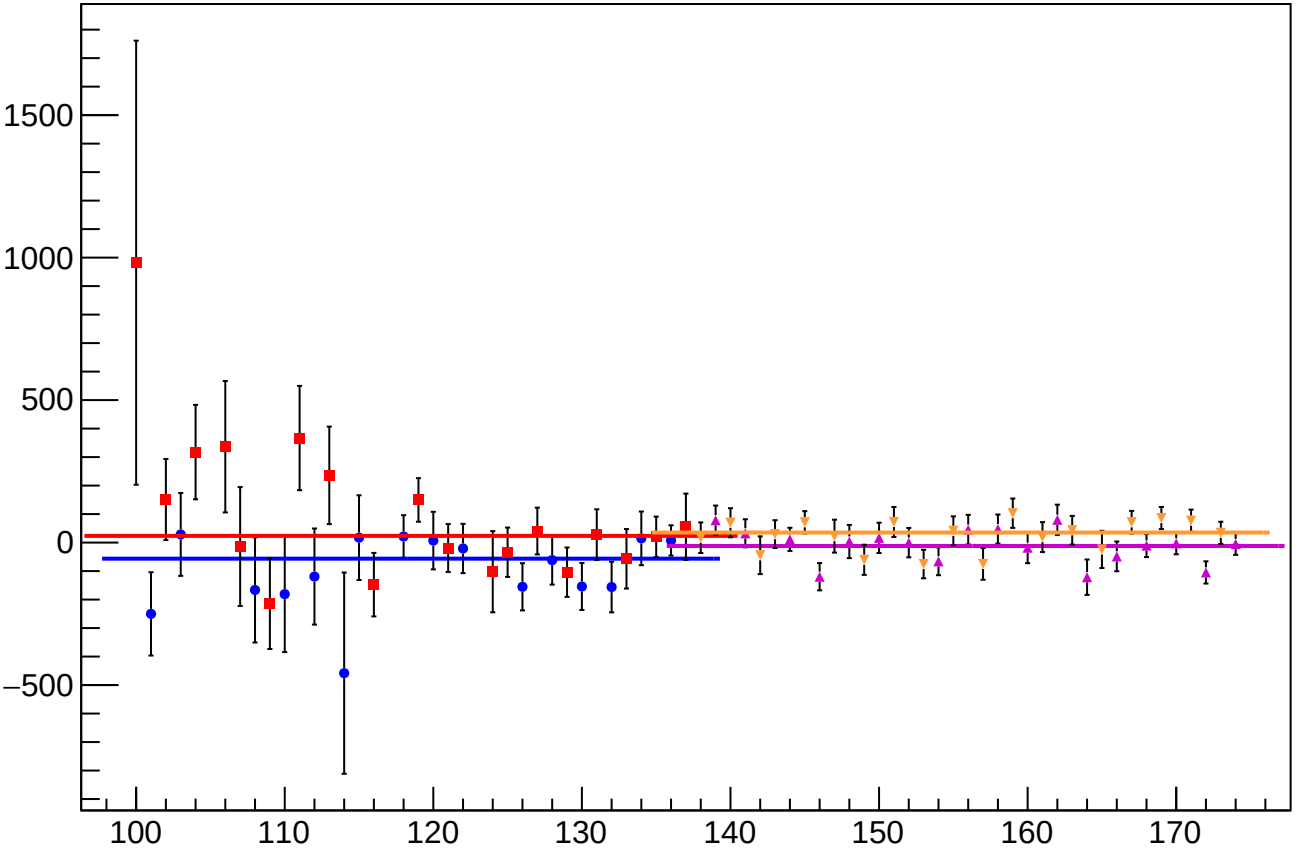
Left In: 124.910+/-0.024 χ^2/NDF:1330123.5/17

+ sign 138.111+/-0.023 χ^2/NDF: 6545594.9/34

All: 137.008+/-0.016 χ^2/NDF: 13474620.0/71

- 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: 35.229+/-11.083 χ^2/NDF:21.9/18

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

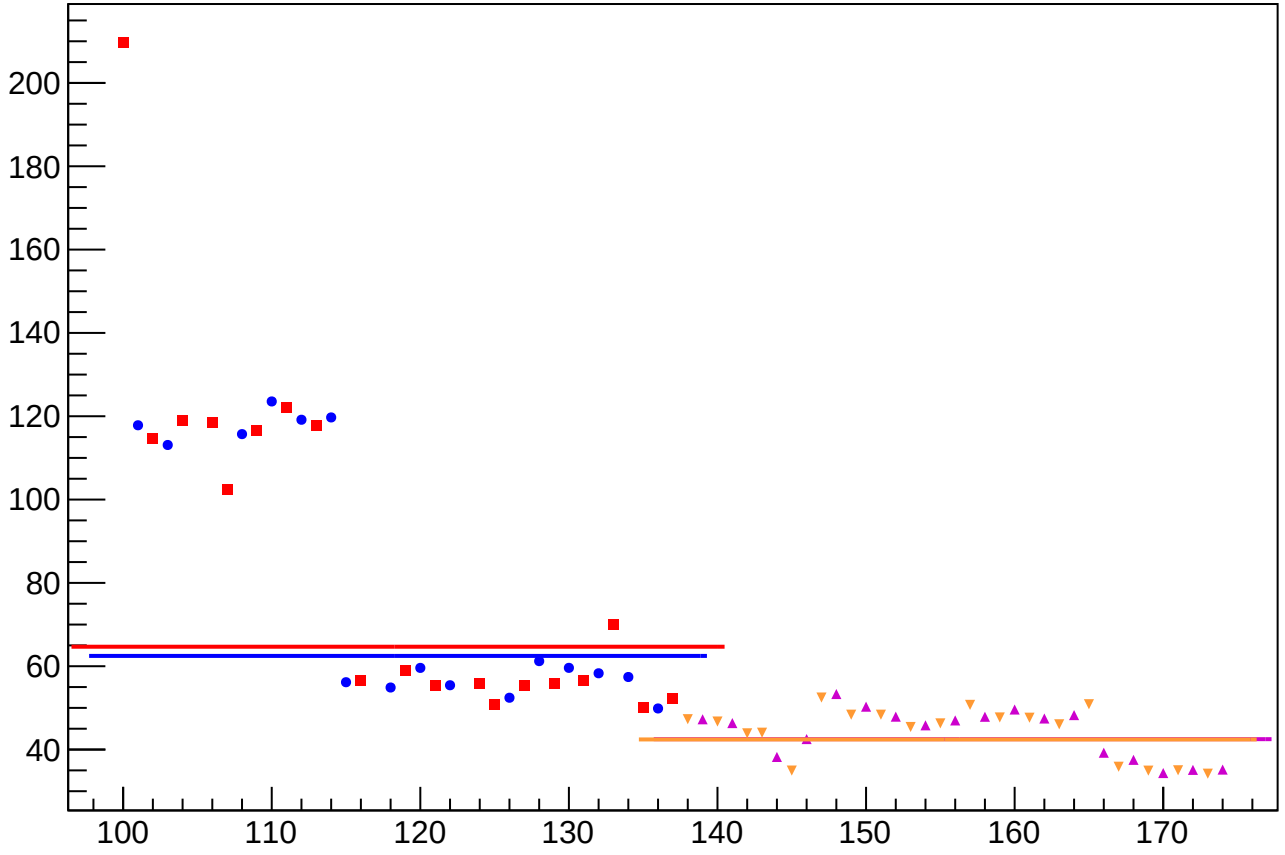
Left In: -11.935+/-11.187 χ^2/NDF:25.9/17

+ sign 19.650+/-10.097 χ^2/NDF: 45.7/34

All: 6.940+/-7.183 χ^2/NDF: 100.6/71

- 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: 42.426+/-0.008 χ^2/NDF:655903.0/18

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

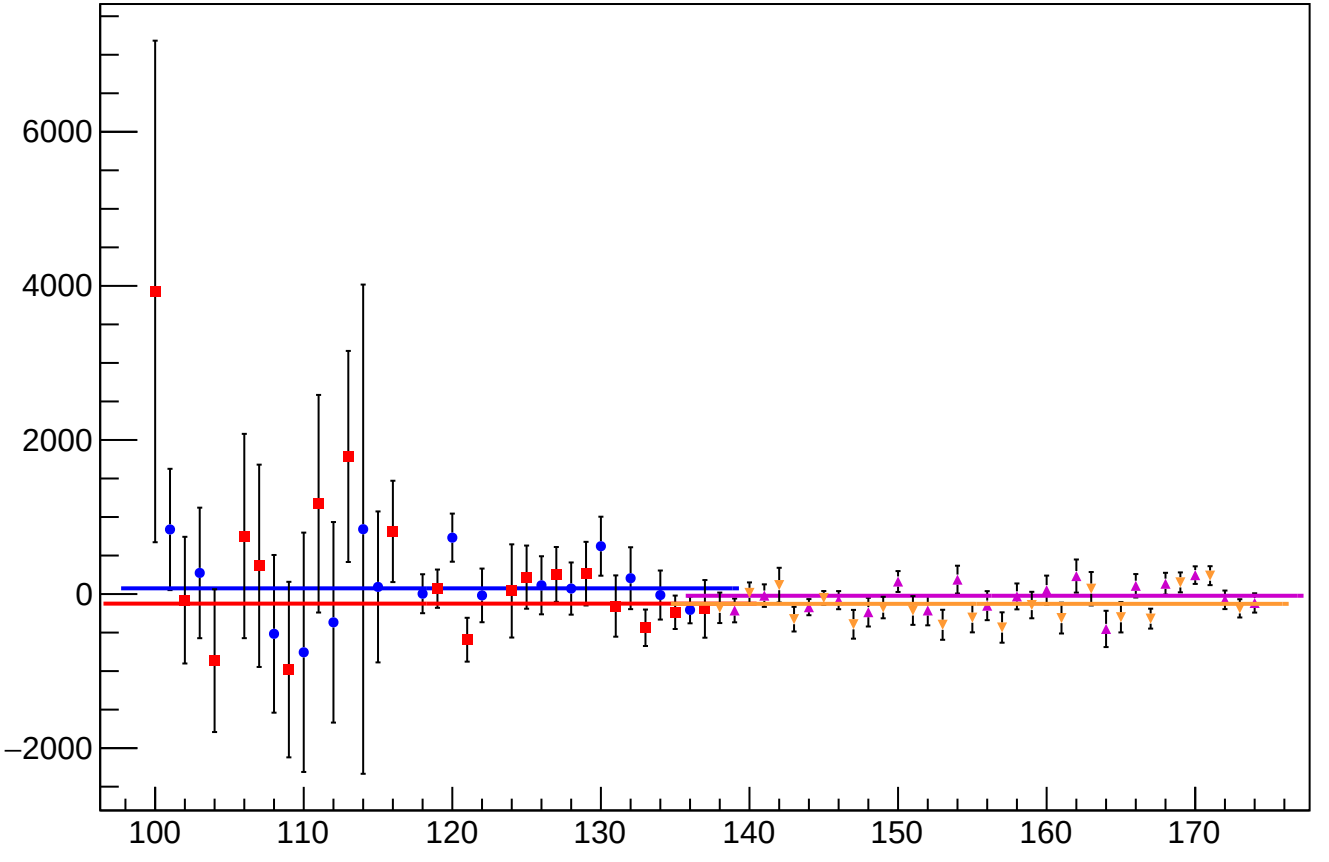
Left In: 42.493+/-0.008 χ^2/NDF:573925.4/17

+ sign 45.834+/-0.007 χ^2/NDF: 3116718.7/34

All: 45.992+/-0.005 χ^2/NDF: 6580681.5/71

- 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: -127.015+/-35.073 χ^2/NDF:30.6/18

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

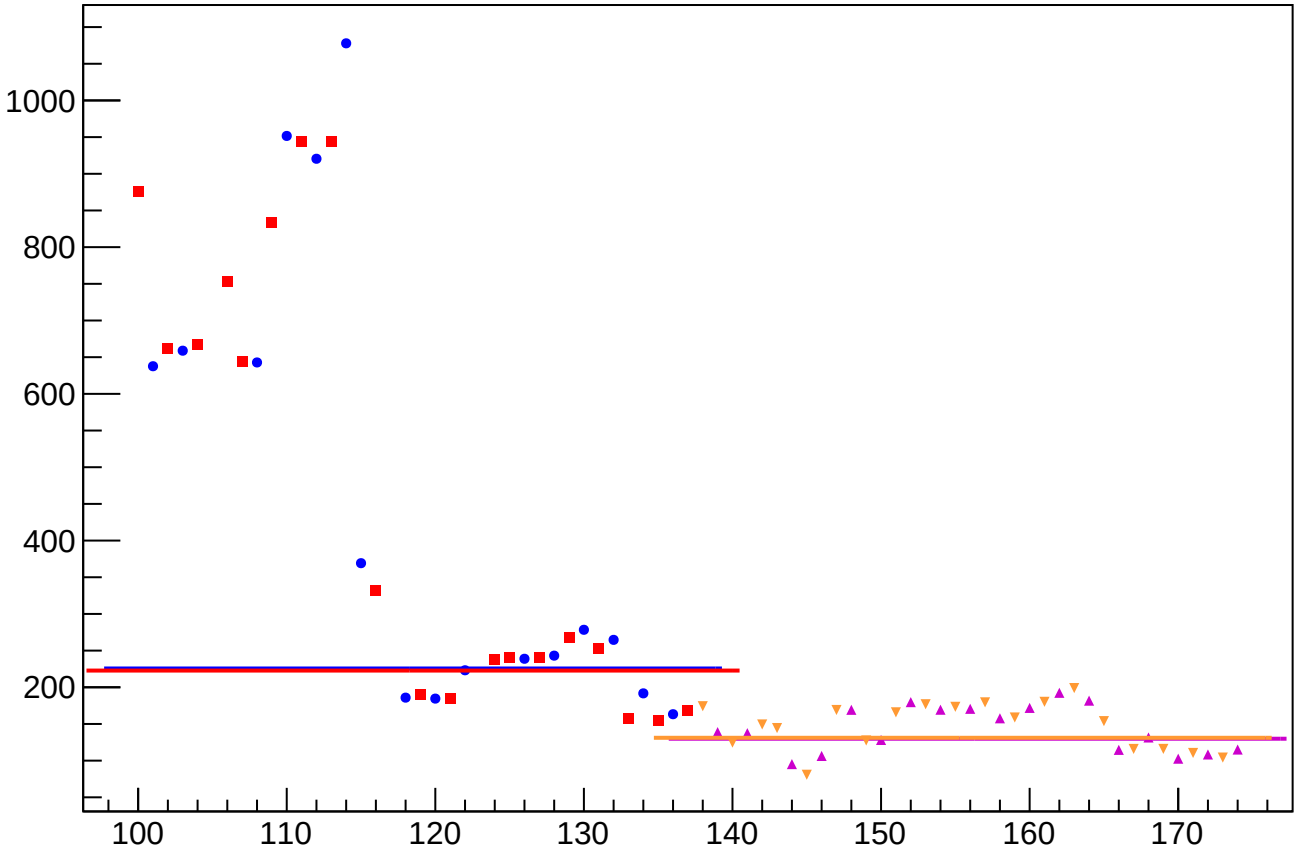
Left In: -22.053+/-34.780 χ^2/NDF:22.8/17

+ sign -102.639+/-32.881 χ^2/NDF: 45.8/34

All: -68.176+/-23.167 χ^2/NDF: 88.1/71

- sign -34.202+/-32.647 χ^2/NDF: 40.1/36

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 131.141+/-0.025 χ^2/NDF:1842427.2/18

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

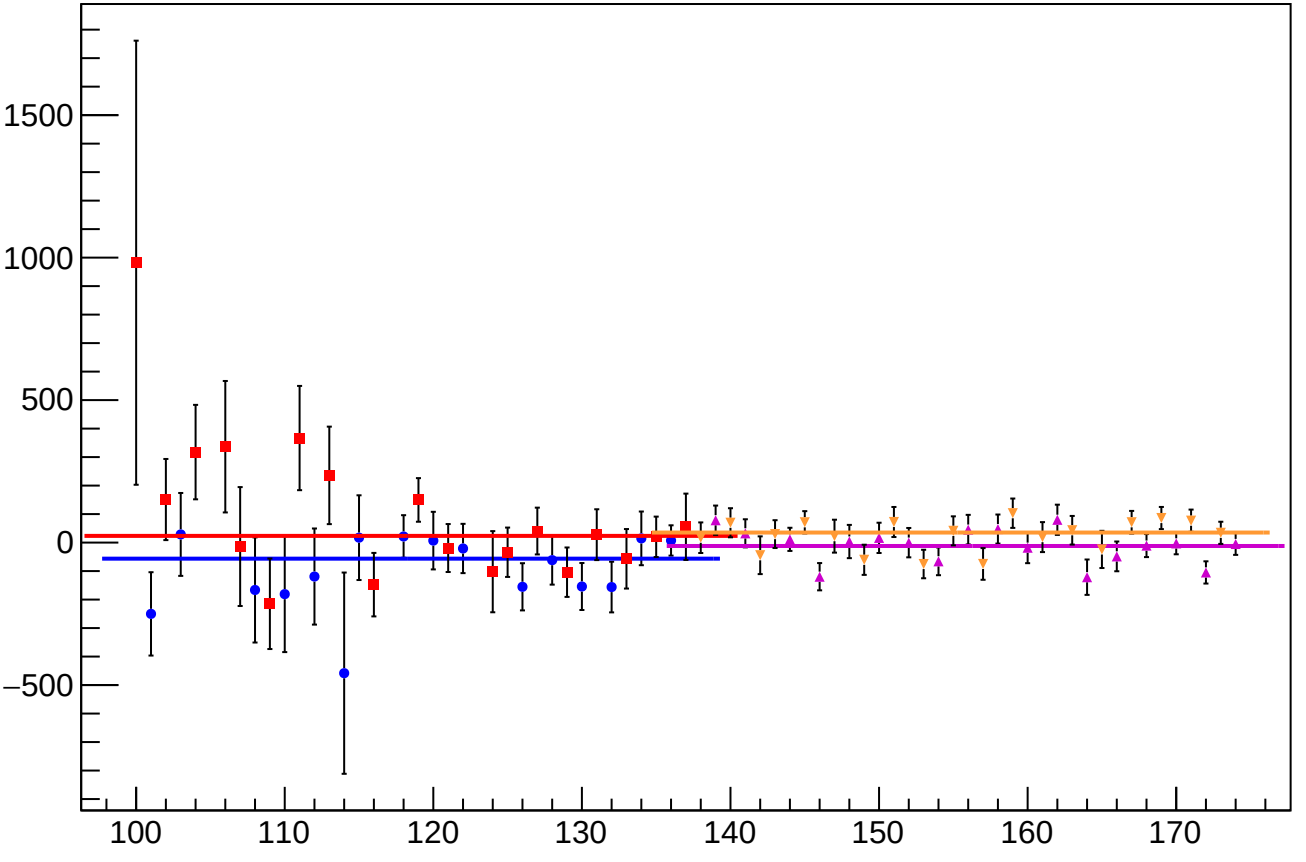
Left In: 129.869+/-0.025 χ^2/NDF:1368359.2/17

+ sign 142.581+/-0.023 χ^2/NDF: 6625540.5/34

All: 141.744+/-0.016 χ^2/NDF: 13542287.2/71

- 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: 35.230+/-11.083 χ^2/NDF:21.9/18

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

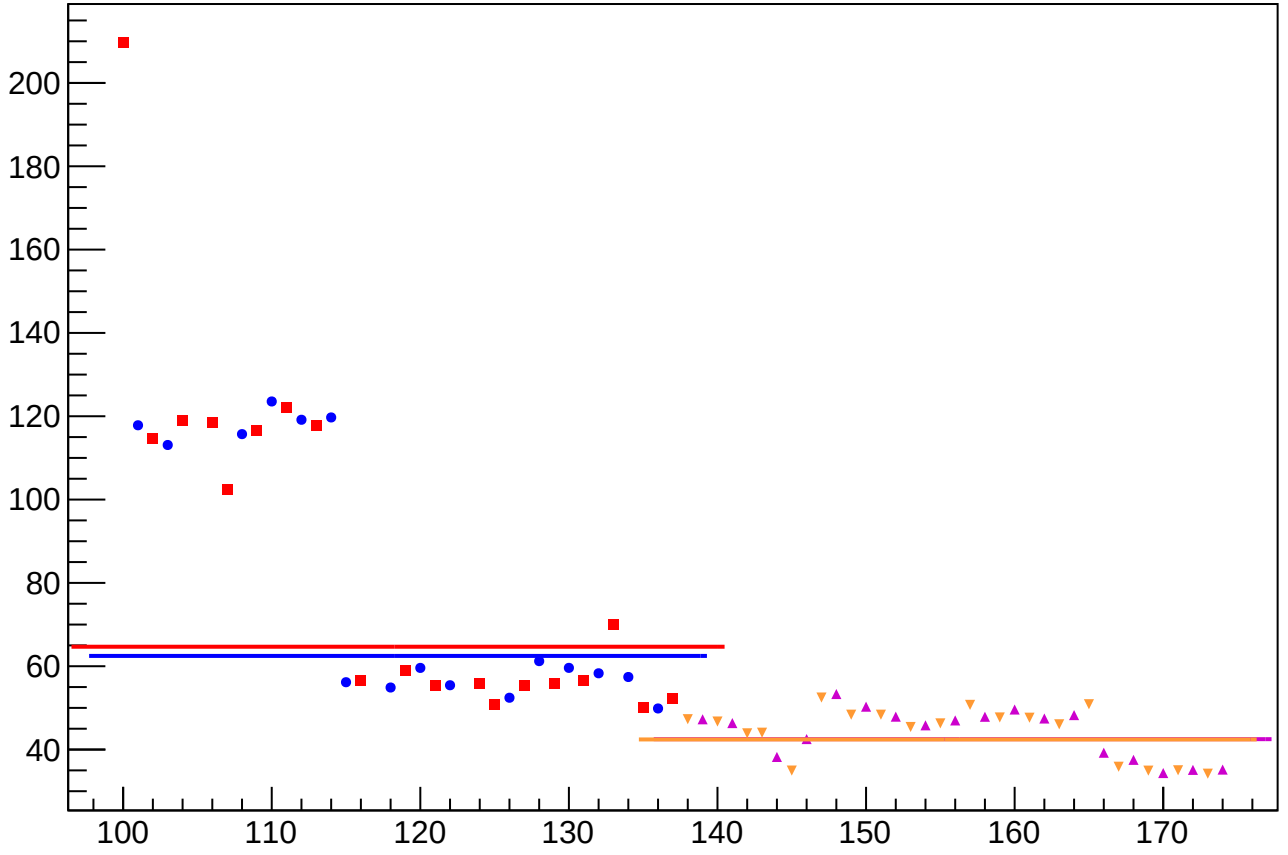
Left In: -11.935+/-11.187 χ^2/NDF:25.9/17

+ sign 19.651+/-10.097 χ^2/NDF: 45.7/34

All: 6.941+/-7.183 χ^2/NDF: 100.6/71

- 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: 42.426+/-0.008 χ^2/NDF:655916.0/18

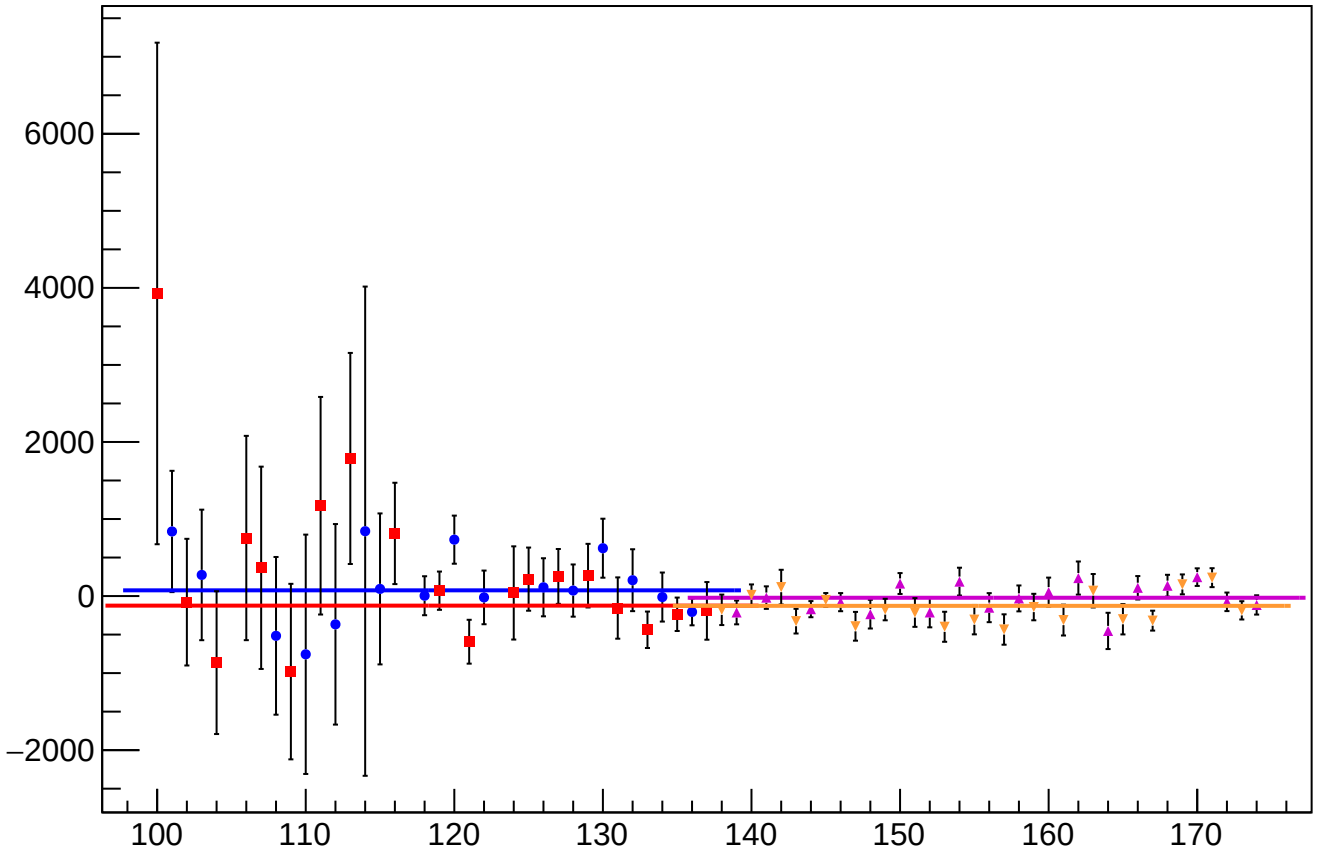
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.493+/-0.008 χ^2/NDF:573927.7/17

+ sign 45.834+/-0.007 χ^2/NDF: 3116665.4/34

All: 45.992+/-0.005 χ^2/NDF: 6580577.7/71

- 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: -127.015+/-35.073 χ^2/NDF:30.6/18

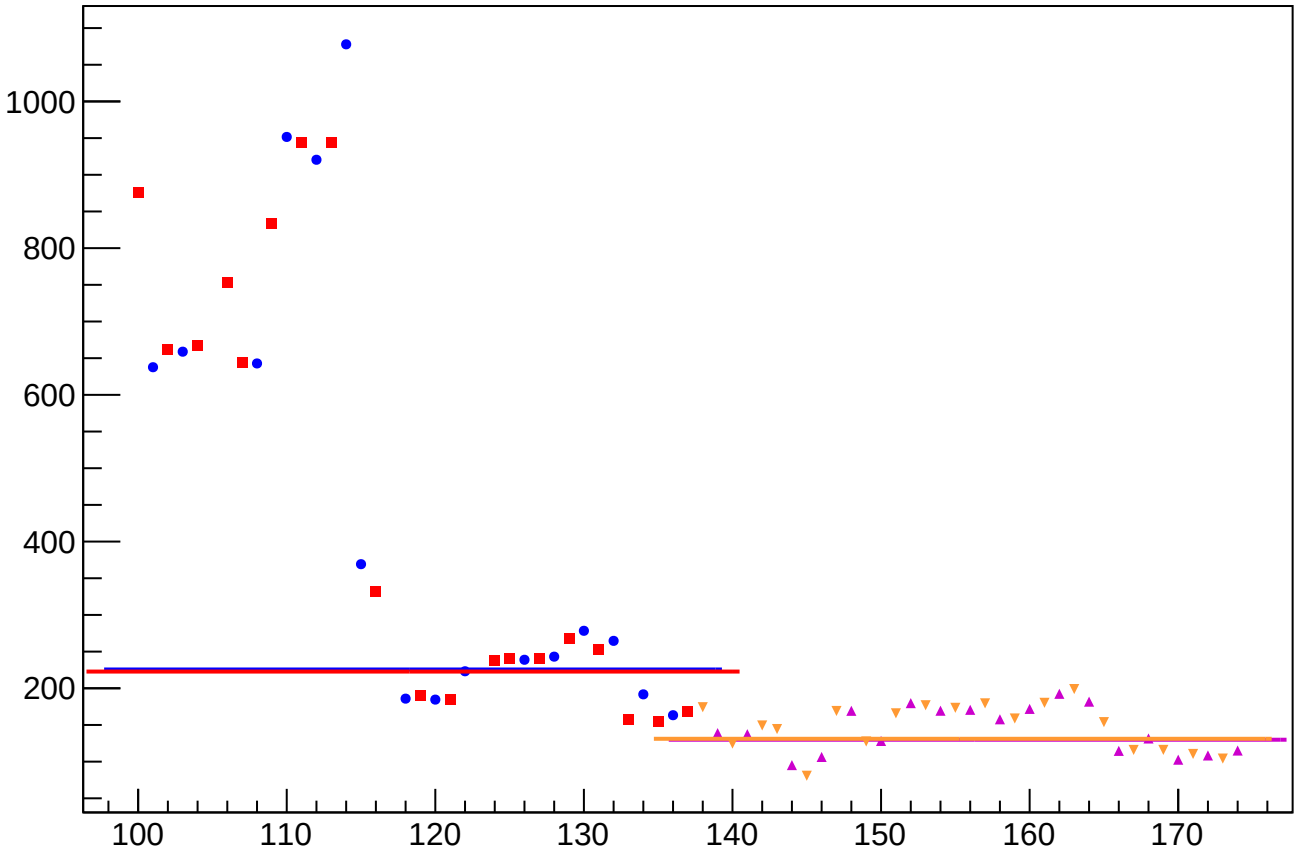
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -22.053+/-34.780 χ^2/NDF:22.8/17

+ sign -102.639+/-32.881 χ^2/NDF: 45.8/34

All: -68.176+/-23.167 χ^2/NDF: 88.1/71

- 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: 131.142+/-0.025 χ^2/NDF:1842416.0/18

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

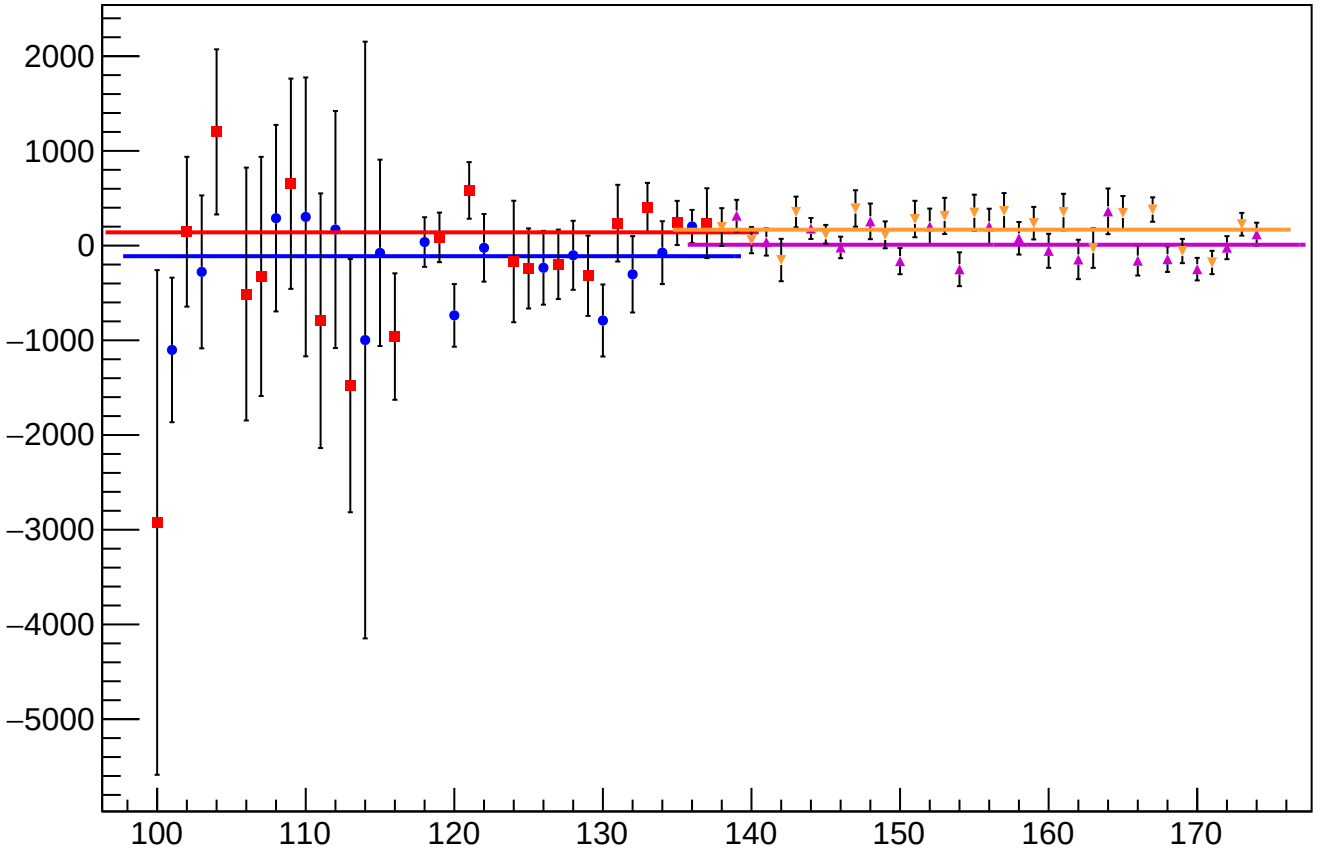
Left In: 129.869+/-0.025 χ^2/NDF:1368353.8/17

+ sign 142.581+/-0.023 χ^2/NDF: 6625504.2/34

All: 141.744+/-0.016 χ^2/NDF: 13542230.5/71

- 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: 168.005+/-35.456 χ^2/NDF:25.5/18

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

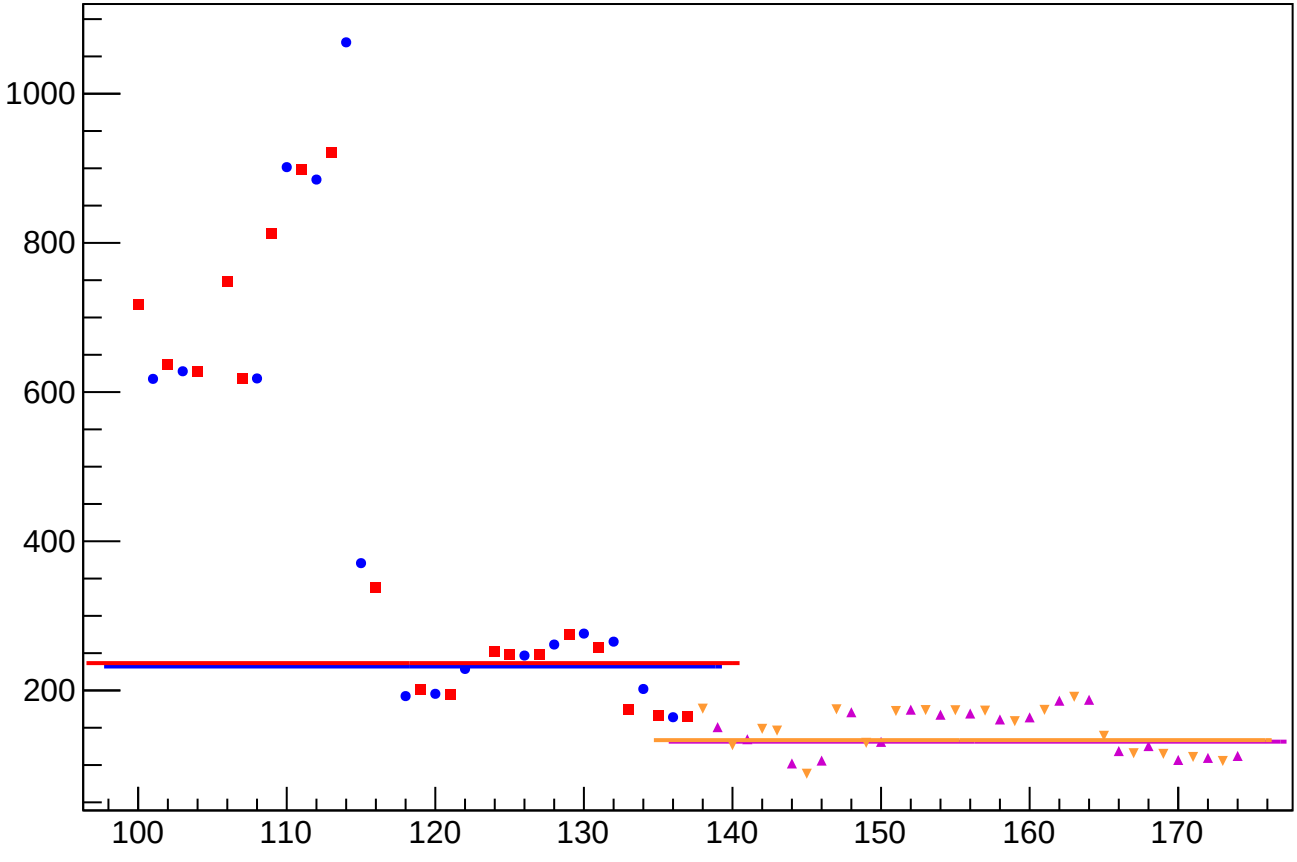
Left In: 8.988+/-34.969 χ^2/NDF:24.4/17

+ sign 134.743+/-33.282 χ^2/NDF: 45.8/34

All: 78.598+/-23.426 χ^2/NDF: 92.0/71

- 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: 133.378+/-0.025 χ^2/NDF:1514276.9/18

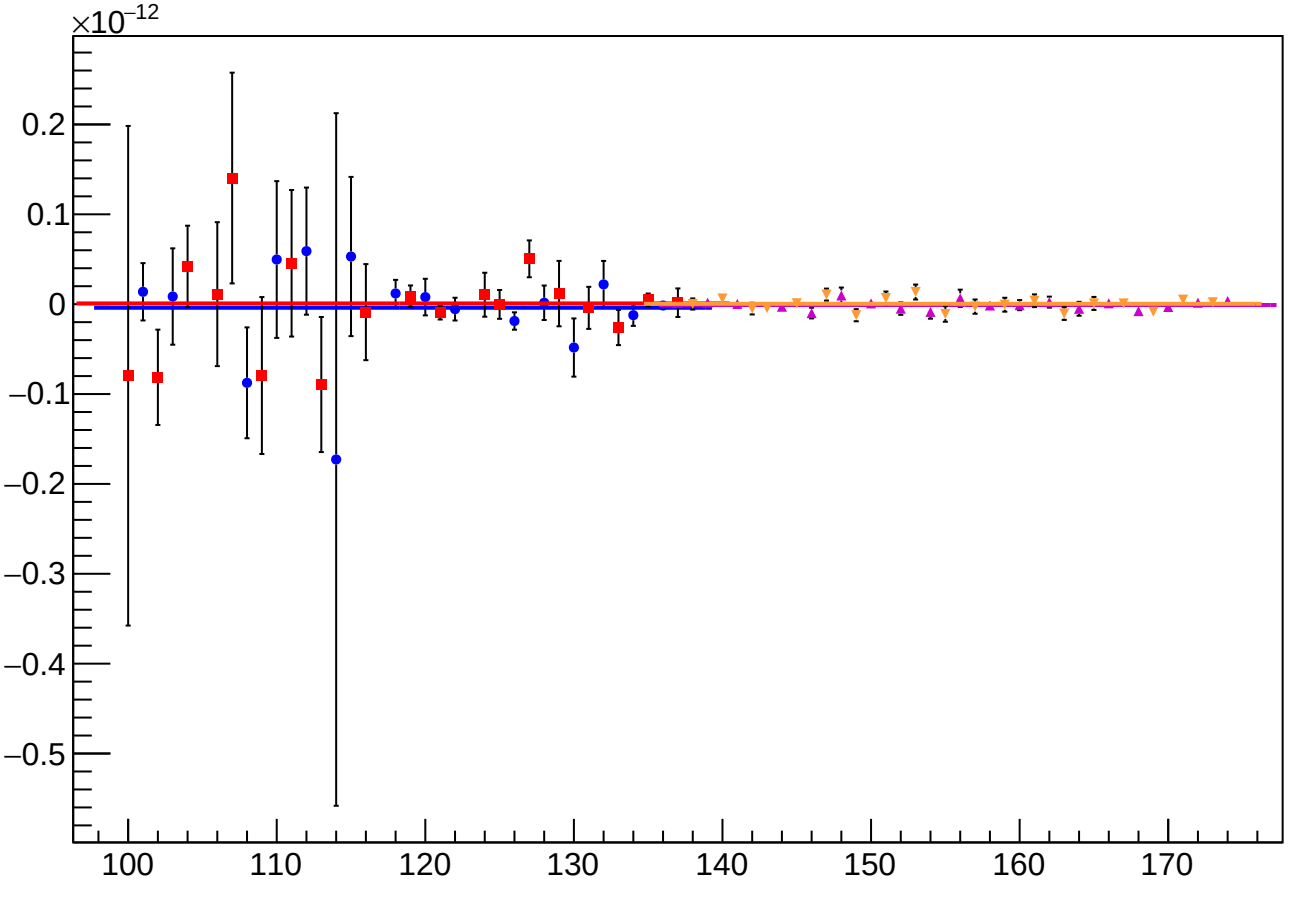
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 131.347+/-0.025 χ^2/NDF:1210428.7/17

+ sign 145.110+/-0.024 χ^2/NDF: 6242549.7/34

All: 144.041+/-0.017 χ^2/NDF: 12983469.3/71

- 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:22.5/18

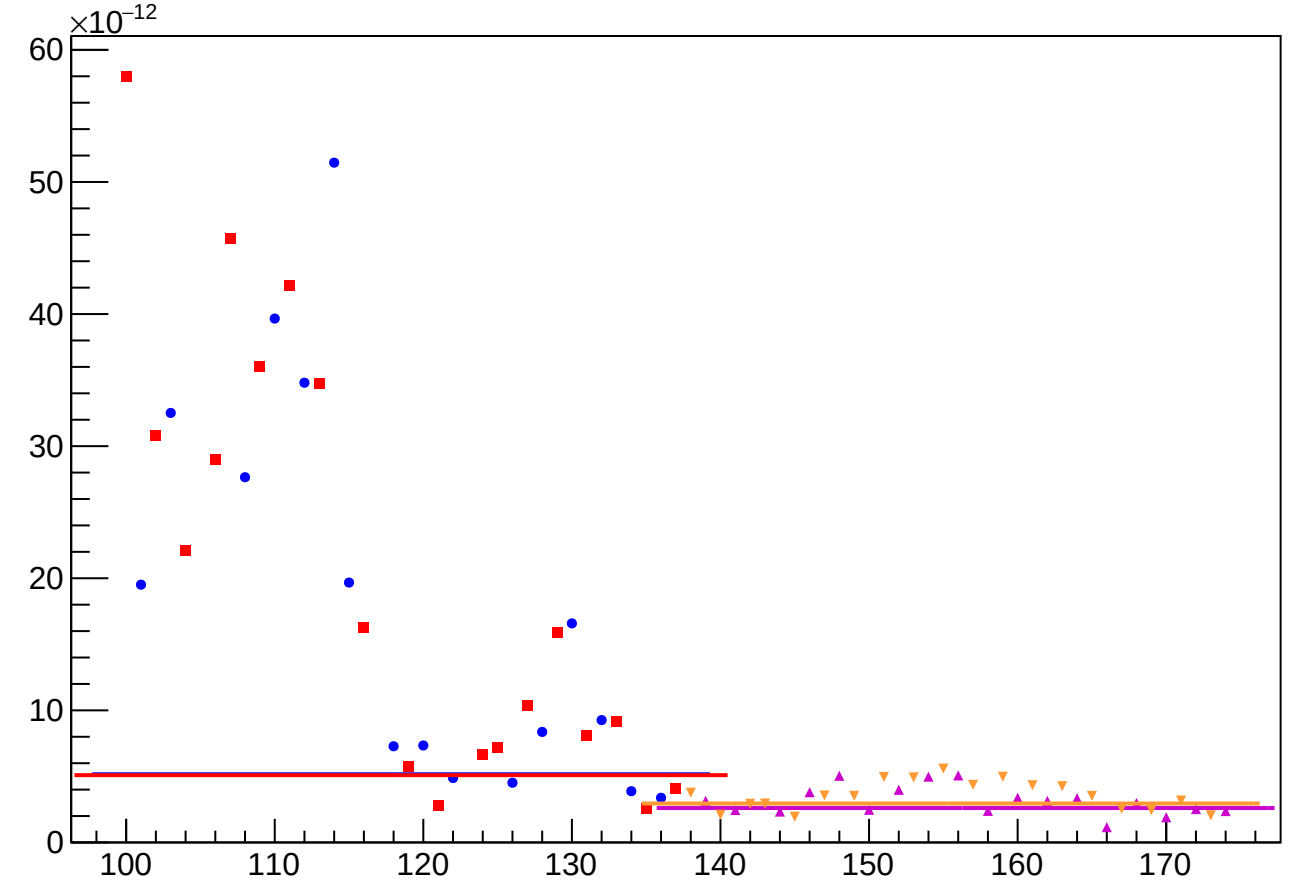
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:11.0/17

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/34

All: -0.000+/-0.000 χ^2/NDF: 64.6/71

- 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:1347530.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

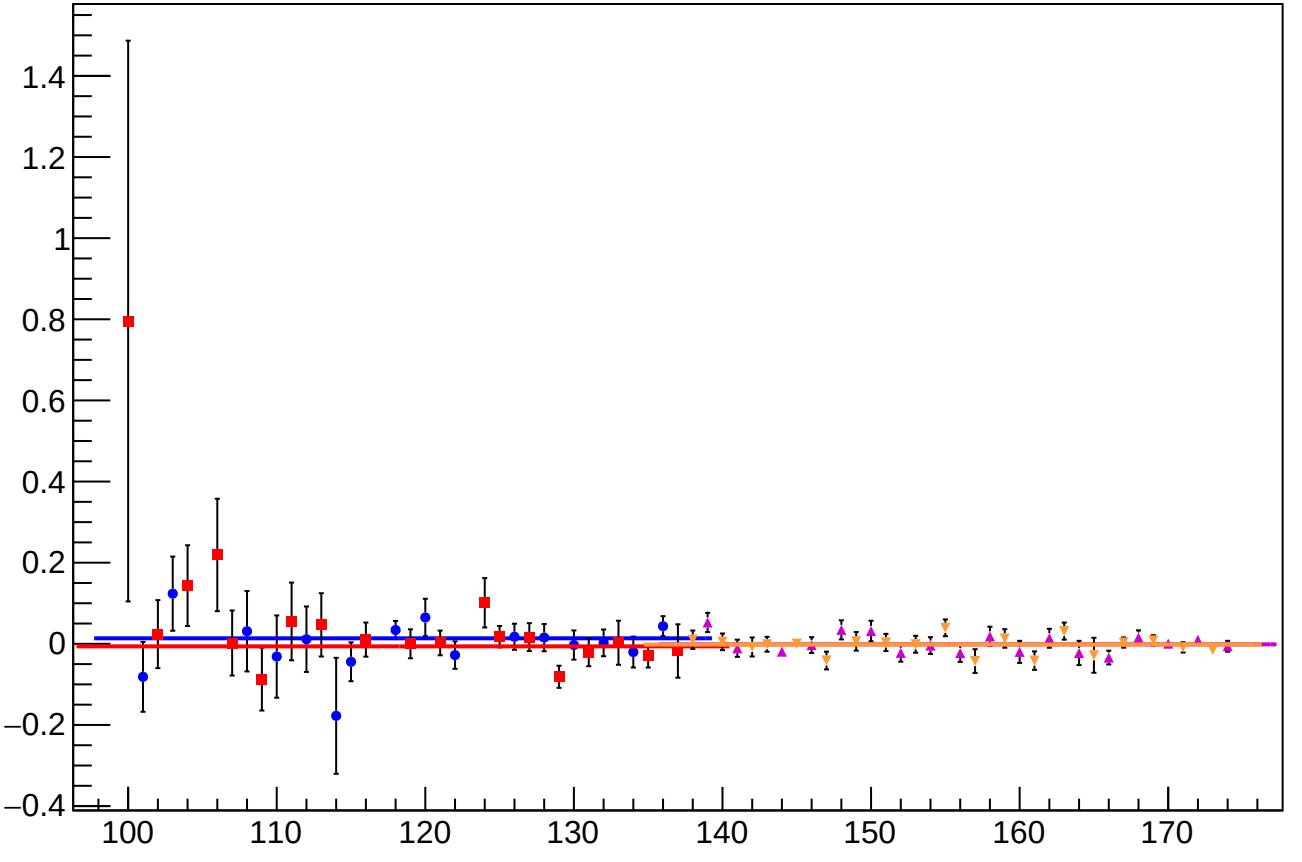
Left In: 0.000+/-0.000 χ^2/NDF:1249670.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 4620123.5/34

All: 0.000+/-0.000 χ^2/NDF: 9938132.4/71

- 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: -0.002+/-0.004 χ^2/NDF:18.7/18

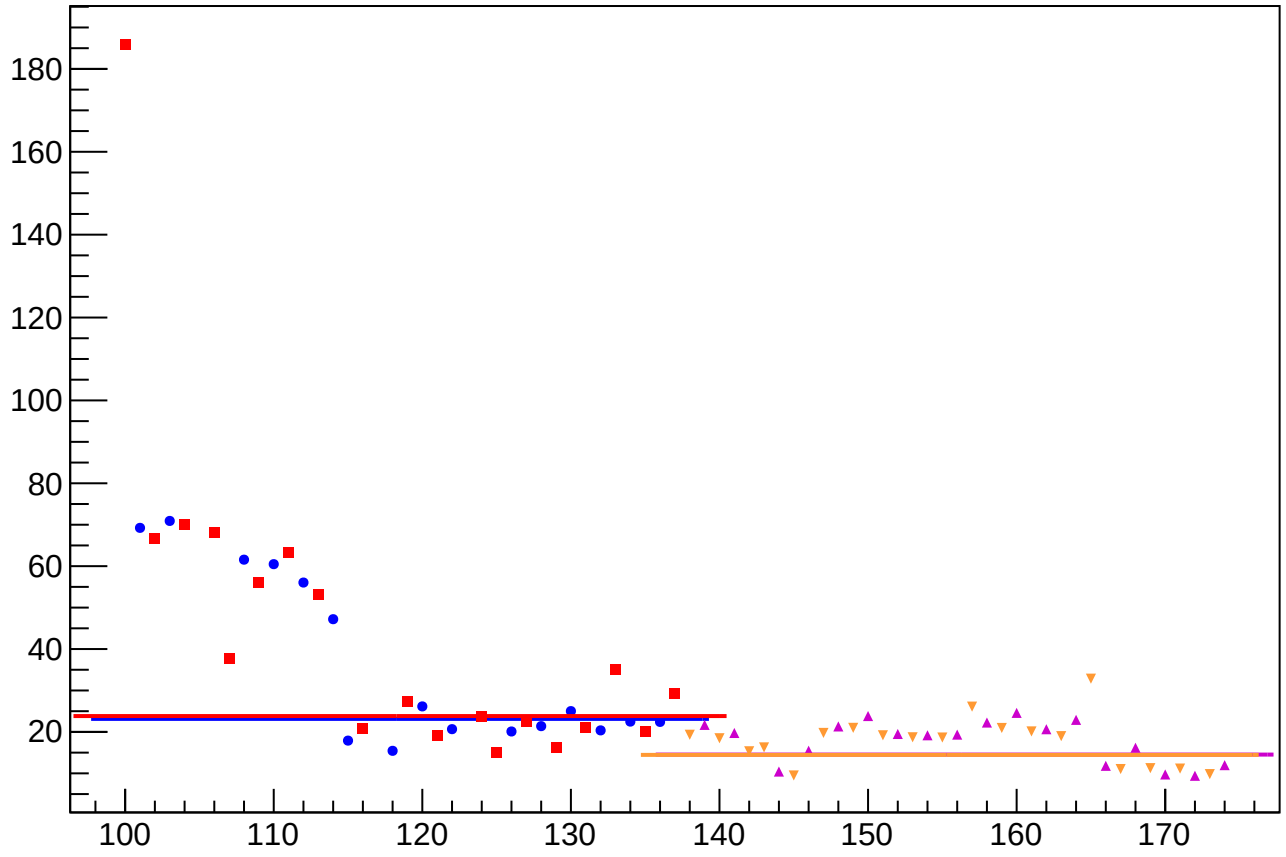
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.004 χ^2/NDF:21.4/17

+ sign 0.000+/-0.004 χ^2/NDF: 33.1/34

All: -0.001+/-0.003 χ^2/NDF: 76.3/71

- 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: 14.457+/-0.003 χ^2/NDF:2921128.1/18

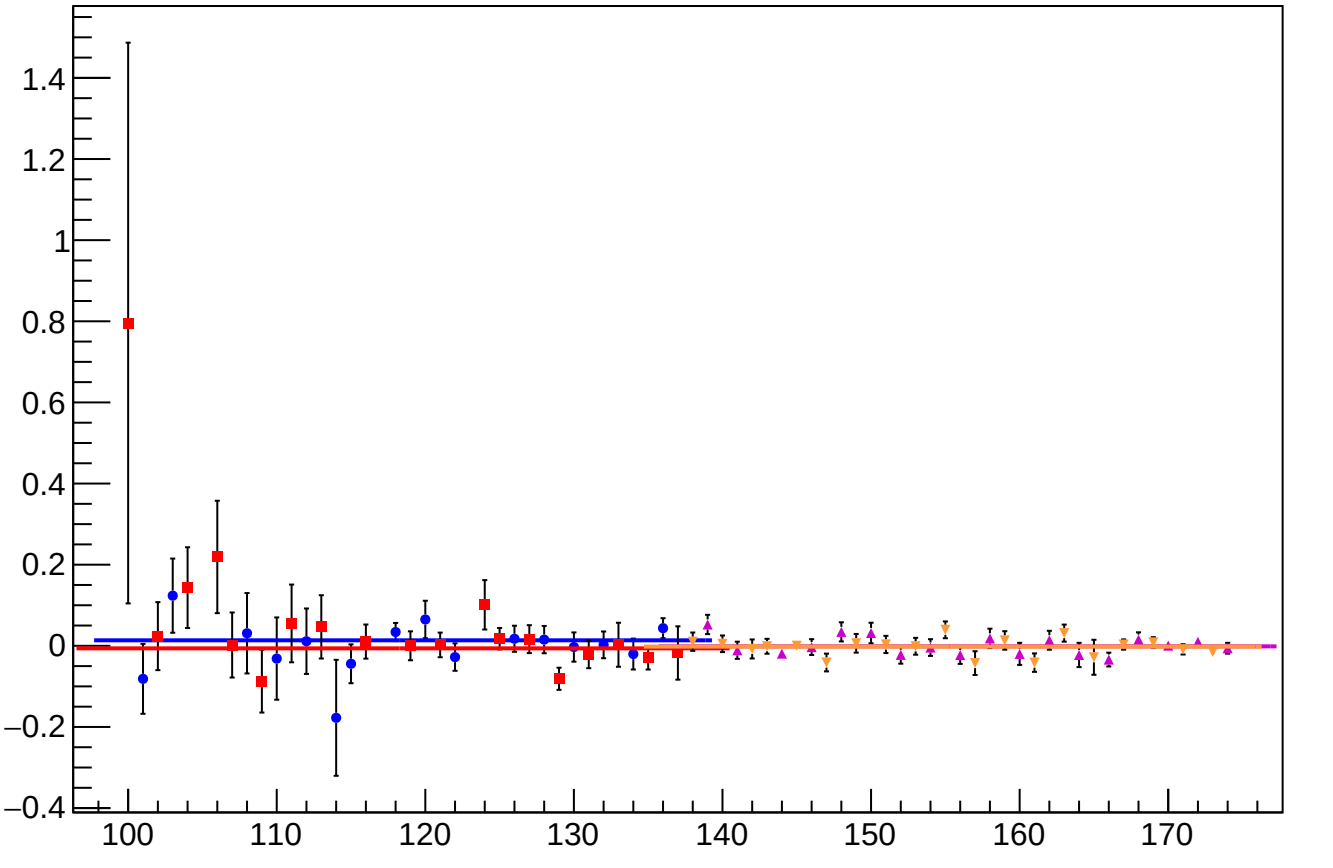
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.529+/-0.003 χ^2/NDF:3050693.6/17

+ sign 15.696+/-0.003 χ^2/NDF: 6662567.0/34

All: 15.775+/-0.002 χ^2/NDF: 14075341.4/71

- 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: -0.002+/-0.004 χ^2/NDF:18.7/18

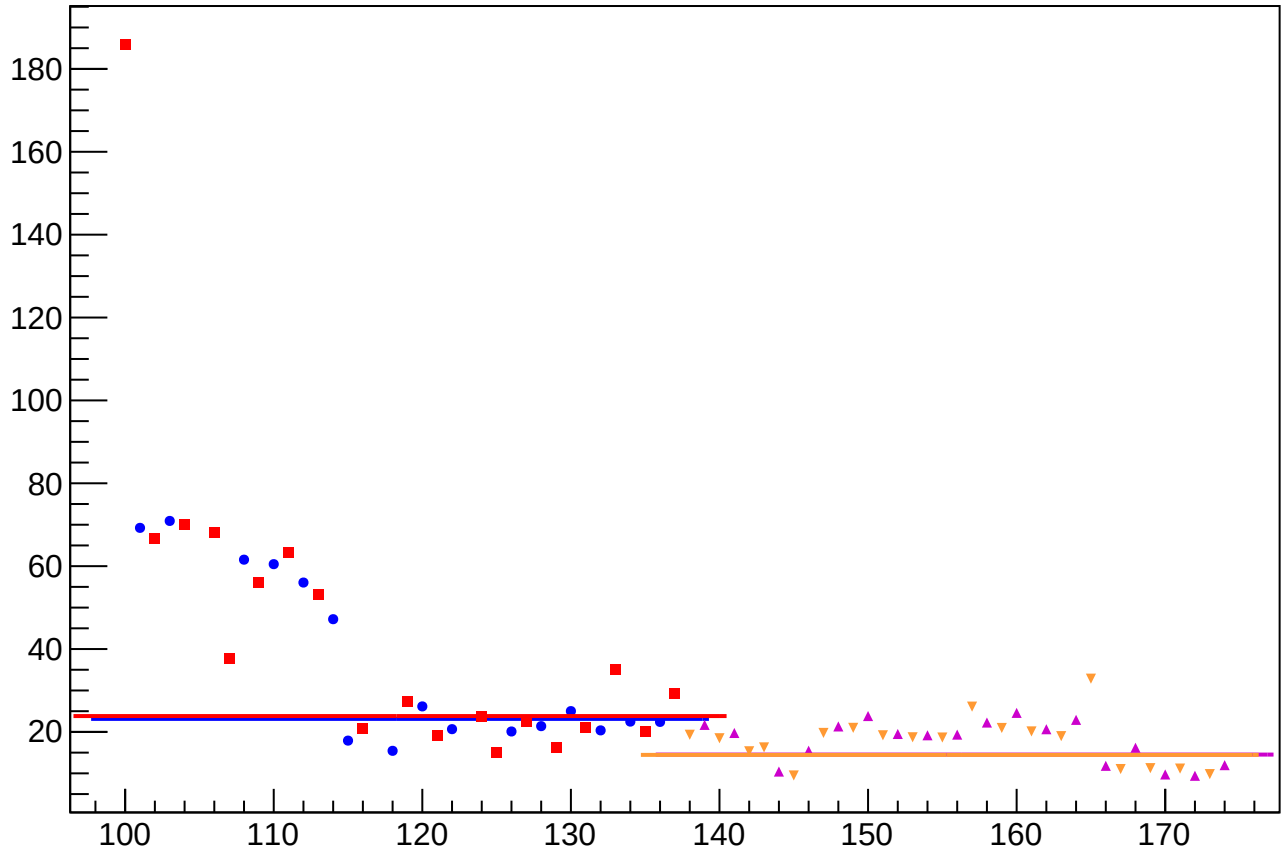
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.004 χ^2/NDF:21.4/17

+ sign 0.000+/-0.004 χ^2/NDF: 33.1/34

All: -0.001+/-0.003 χ^2/NDF: 76.3/71

- 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: 14.457+/-0.003 χ^2/NDF:2921128.1/18

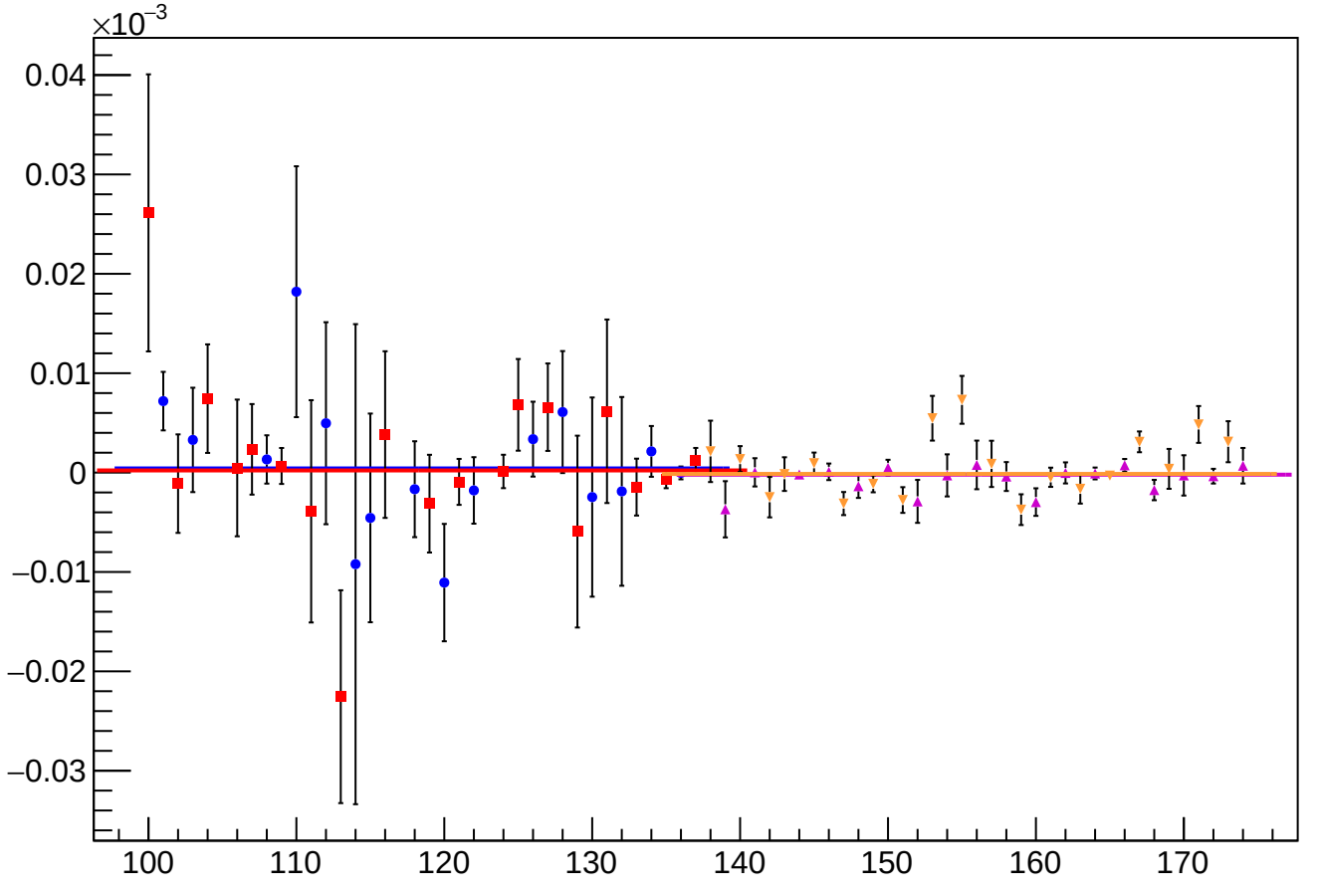
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.529+/-0.003 χ^2/NDF:3050693.6/17

+ sign 15.696+/-0.003 χ^2/NDF: 6662567.0/34

All: 15.775+/-0.002 χ^2/NDF: 14075341.4/71

- 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:58.3/18

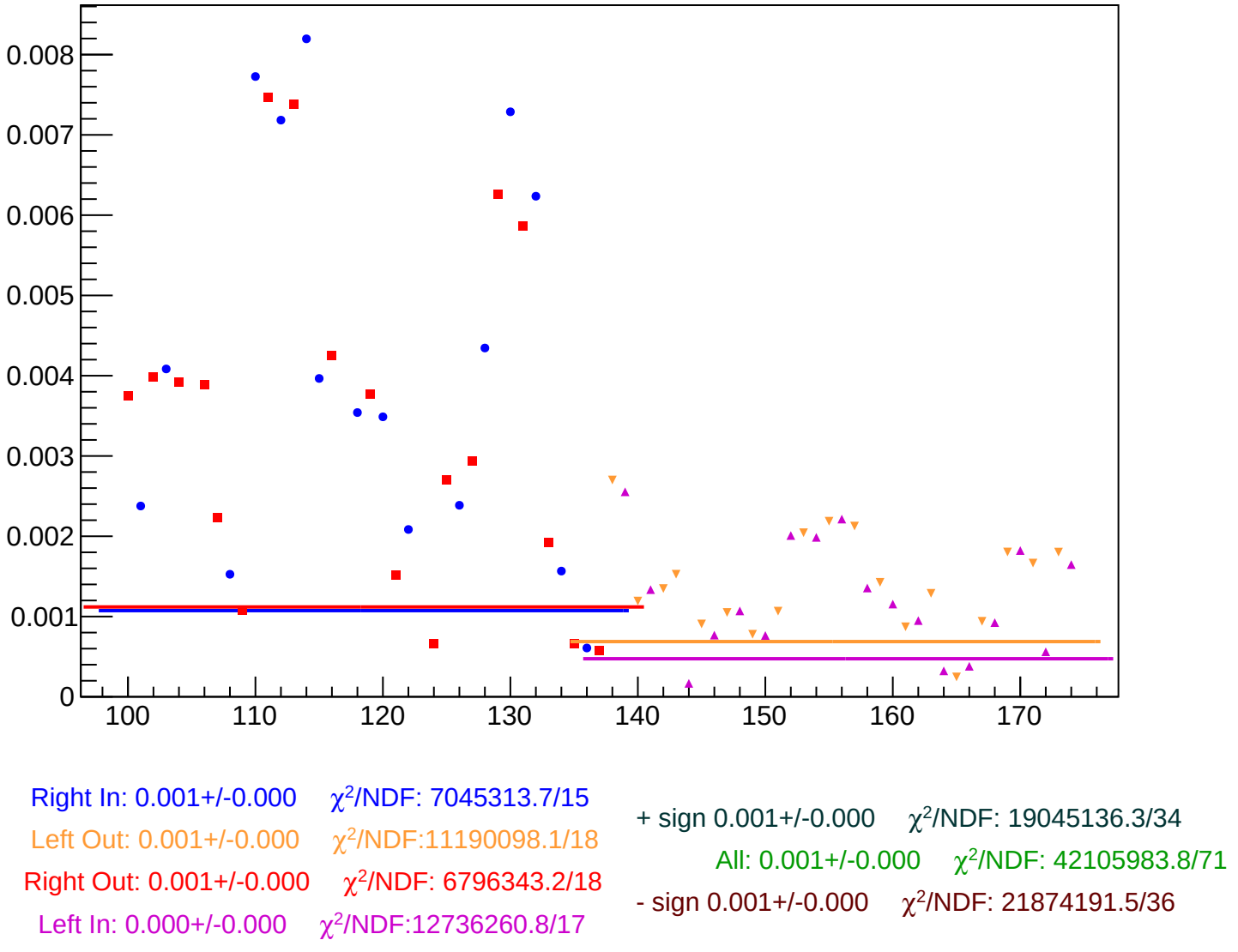
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

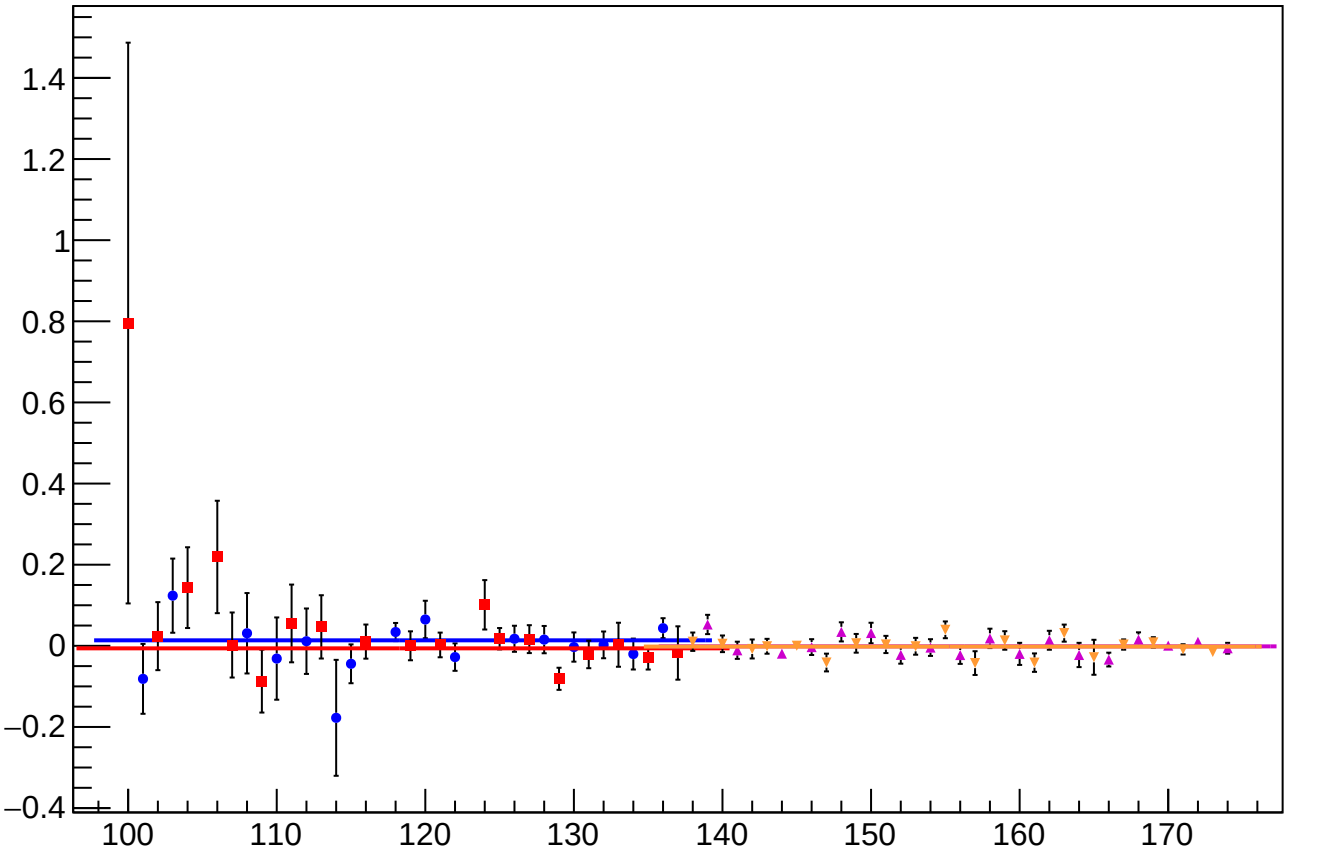
Left In: -0.000+/-0.000 χ^2/NDF:13.9/17

+ sign -0.000+/-0.000 χ^2/NDF: 74.4/34

All: -0.000+/-0.000 χ^2/NDF: 106.9/71

- 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:11190098.1/18
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: 19045136.3/34
All: 0.001+/-0.000 χ²/NDF: 42105983.8/71
- sign 0.001+/-0.000 χ²/NDF: 21874191.5/36



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:18.7/18

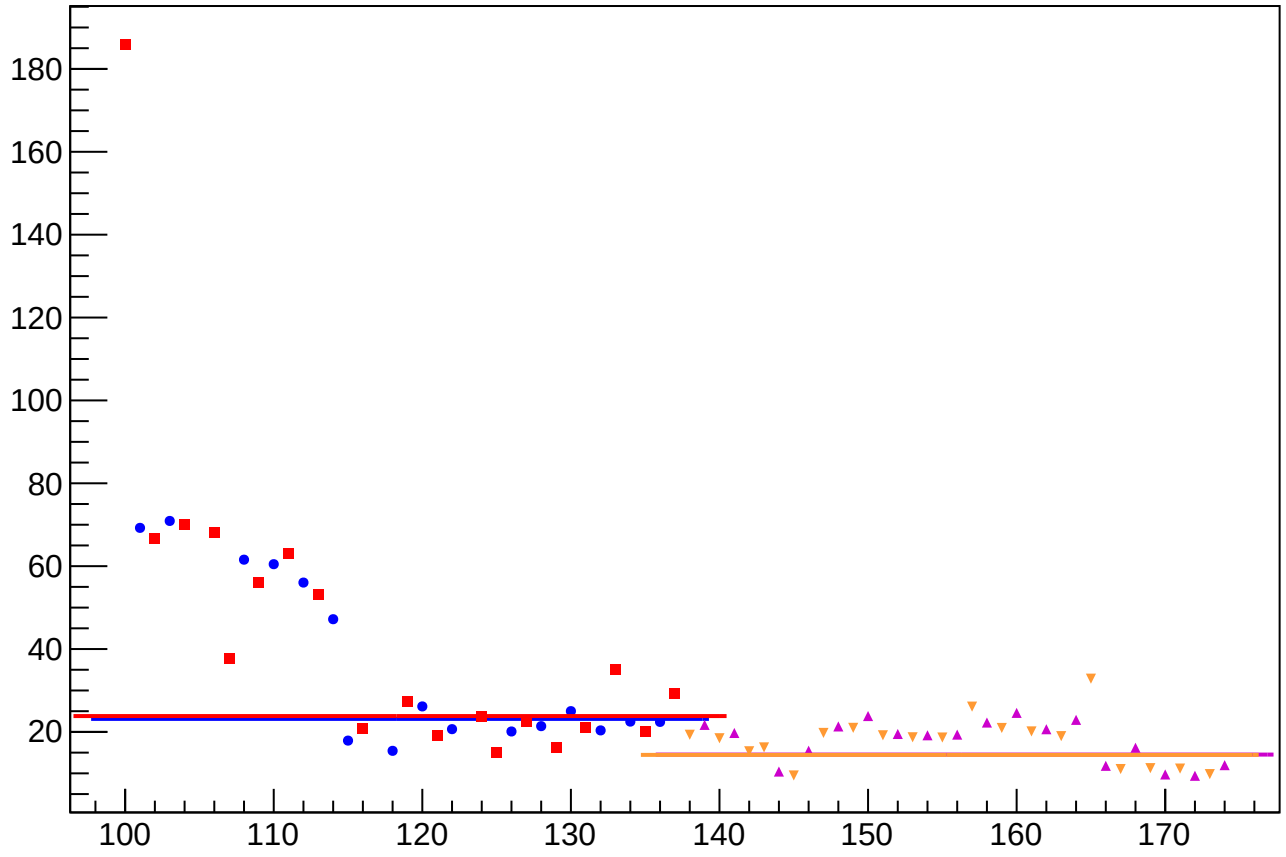
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.004 χ^2/NDF:21.4/17

+ sign 0.000+/-0.004 χ^2/NDF: 33.1/34

All: -0.001+/-0.003 χ^2/NDF: 76.3/71

- 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: 14.457+/-0.003 χ^2/NDF:2921257.8/18

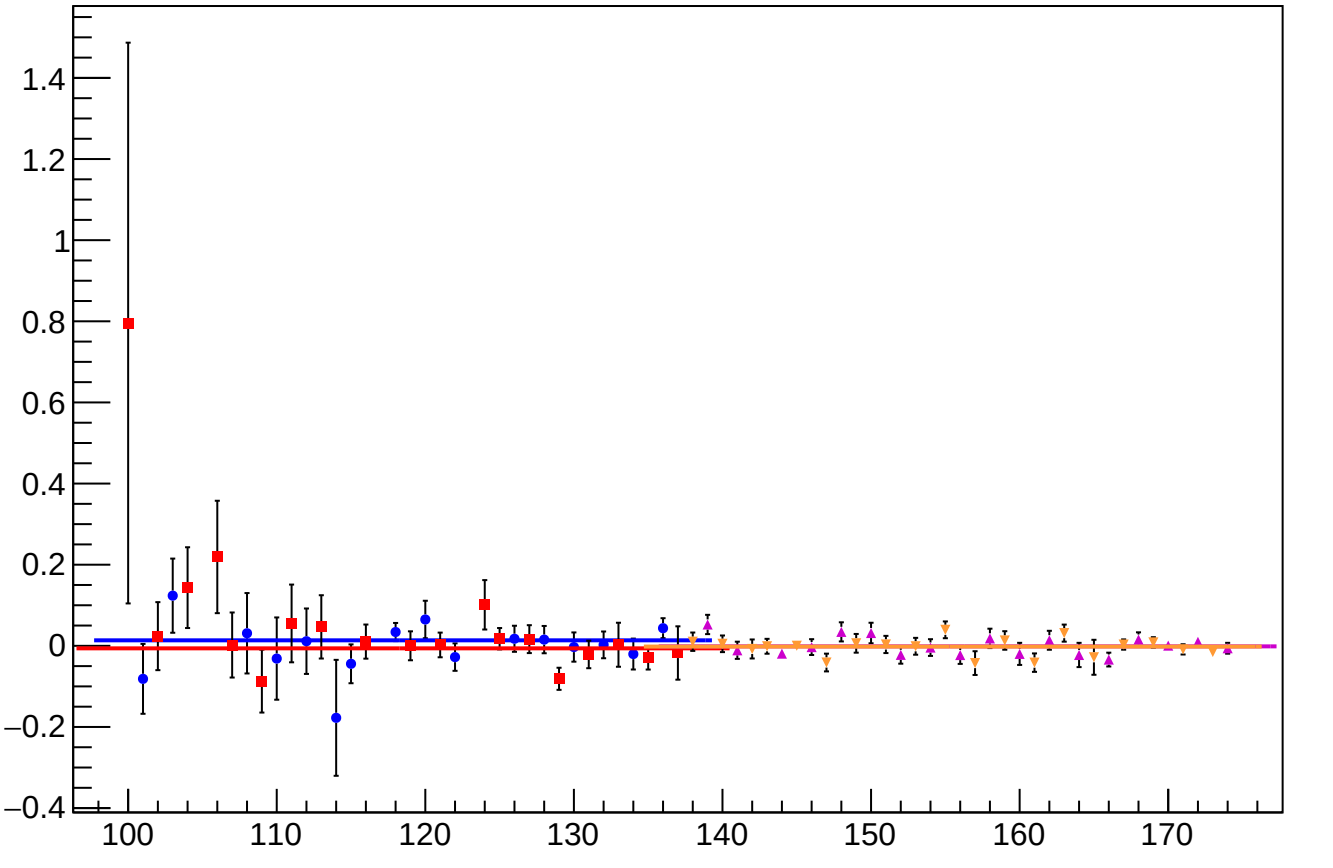
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.529+/-0.003 χ^2/NDF:3050731.8/17

+ sign 15.696+/-0.003 χ^2/NDF: 6662423.2/34

All: 15.775+/-0.002 χ^2/NDF: 14075025.9/71

- 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: -0.002+/-0.004 χ^2/NDF:18.7/18

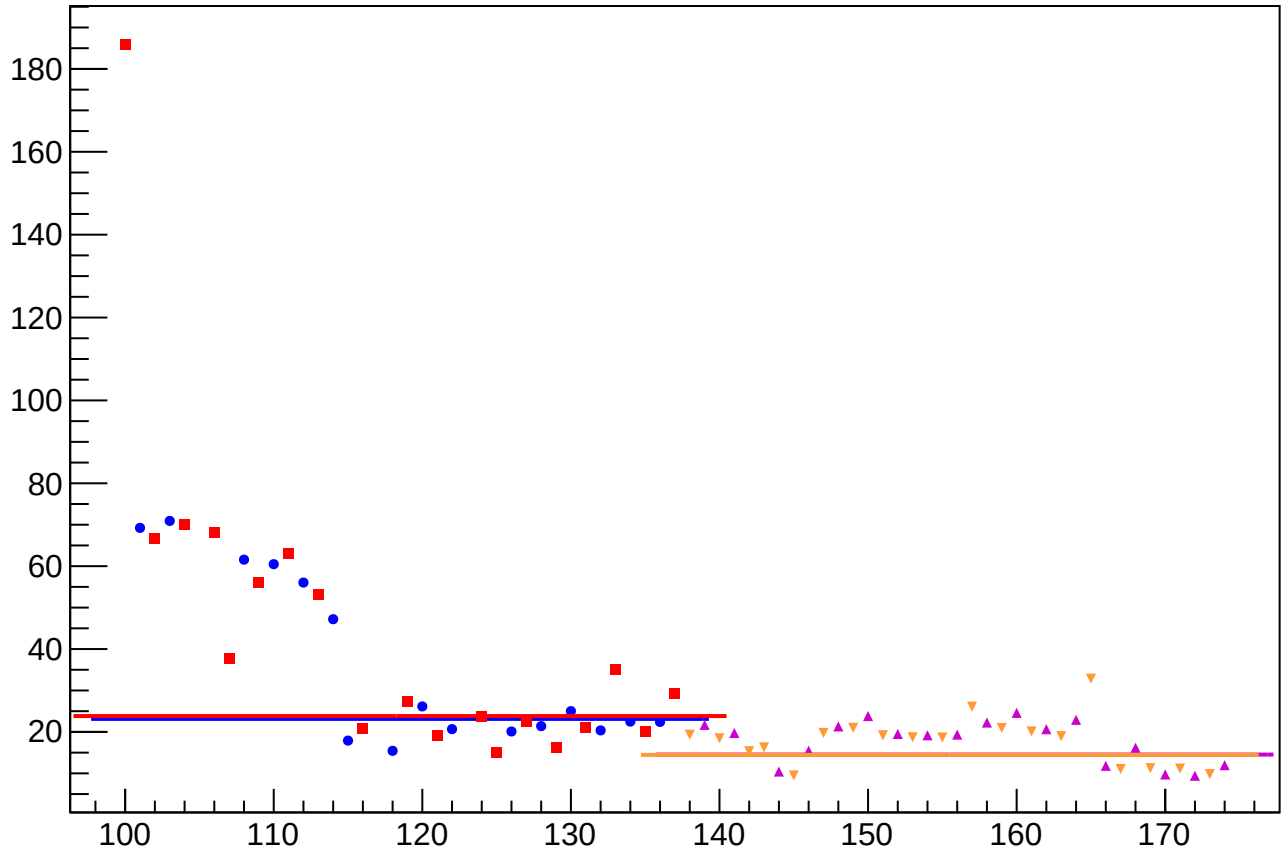
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.004 χ^2/NDF:21.4/17

+ sign 0.000+/-0.004 χ^2/NDF: 33.1/34

All: -0.001+/-0.003 χ^2/NDF: 76.3/71

- 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: 14.457+/-0.003 χ^2/NDF:2921257.8/18

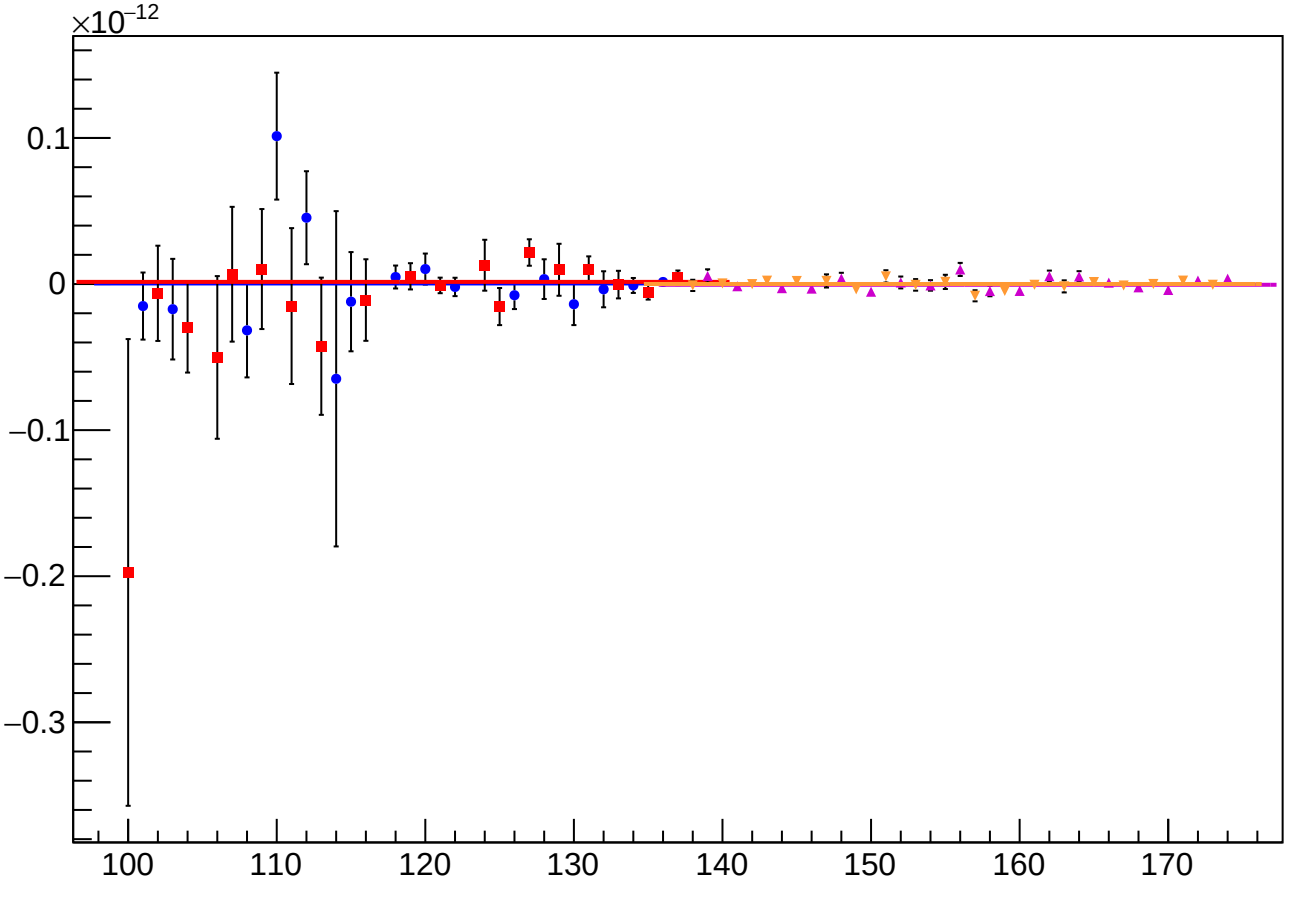
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.529+/-0.003 χ^2/NDF:3050731.8/17

+ sign 15.696+/-0.003 χ^2/NDF: 6662423.2/34

All: 15.775+/-0.002 χ^2/NDF: 14075025.9/71

- 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:13.6/18

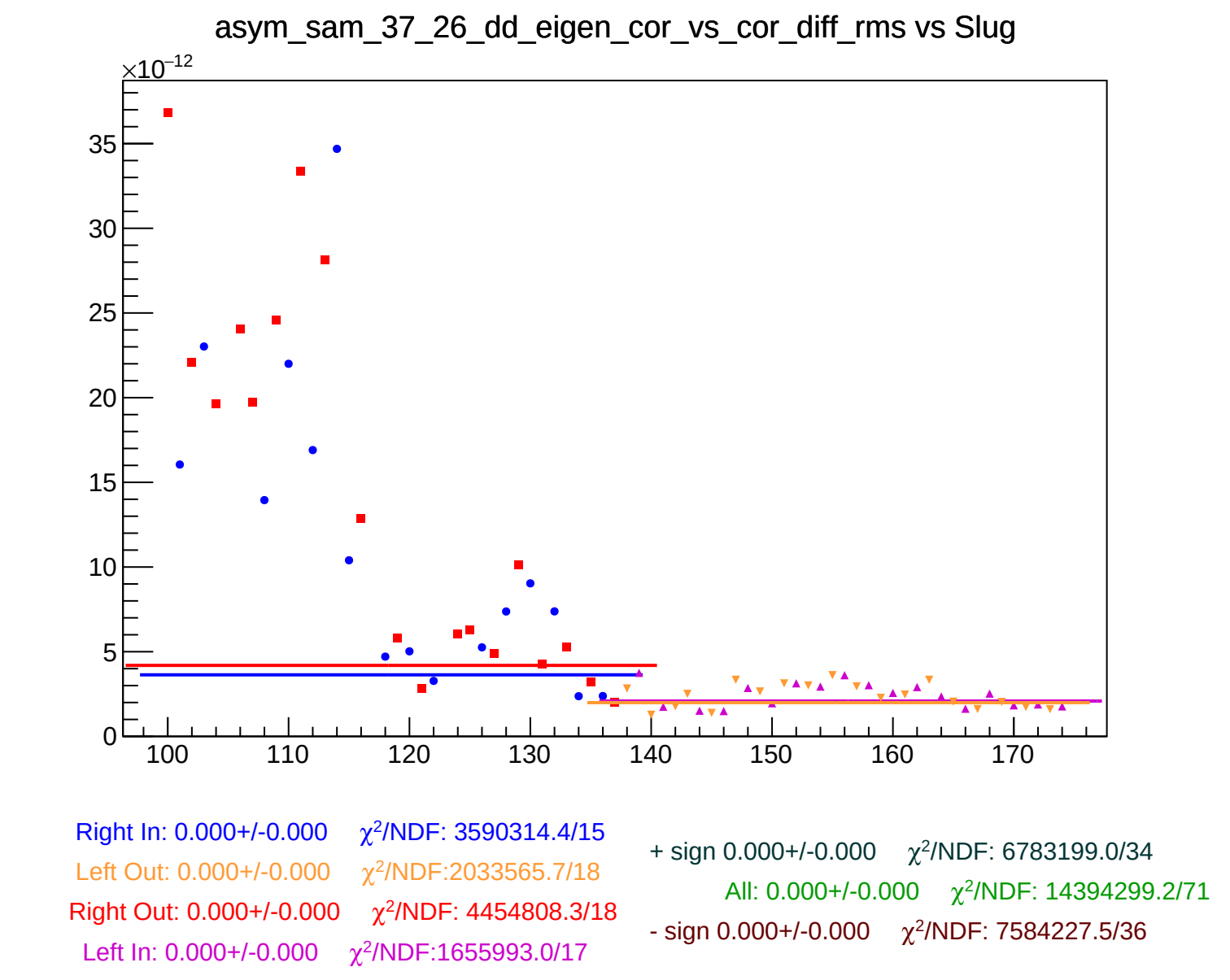
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:30.0/17

+ sign 0.000+/-0.000 χ^2/NDF: 26.5/34

All: -0.000+/-0.000 χ^2/NDF: 73.0/71

- sign -0.000+/-0.000 χ^2/NDF: 46.2/36


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
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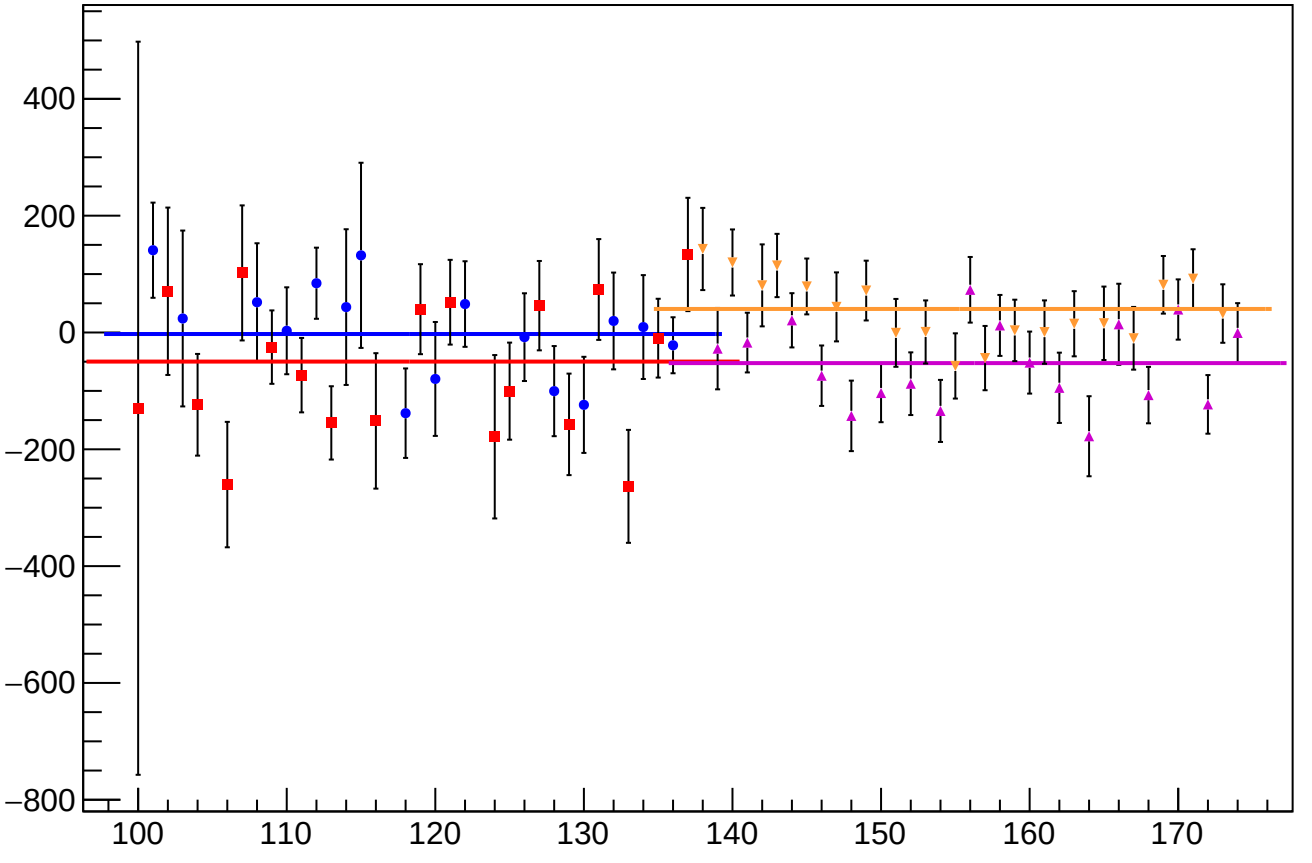
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2033565.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1655993.0/17
+ sign 0.000+/-0.000 χ²/NDF: 6783199.0/34
All: 0.000+/-0.000 χ²/NDF: 14394299.2/71
- sign 0.000+/-0.000 χ²/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: 40.295+/-12.620 χ^2/NDF:17.8/18

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

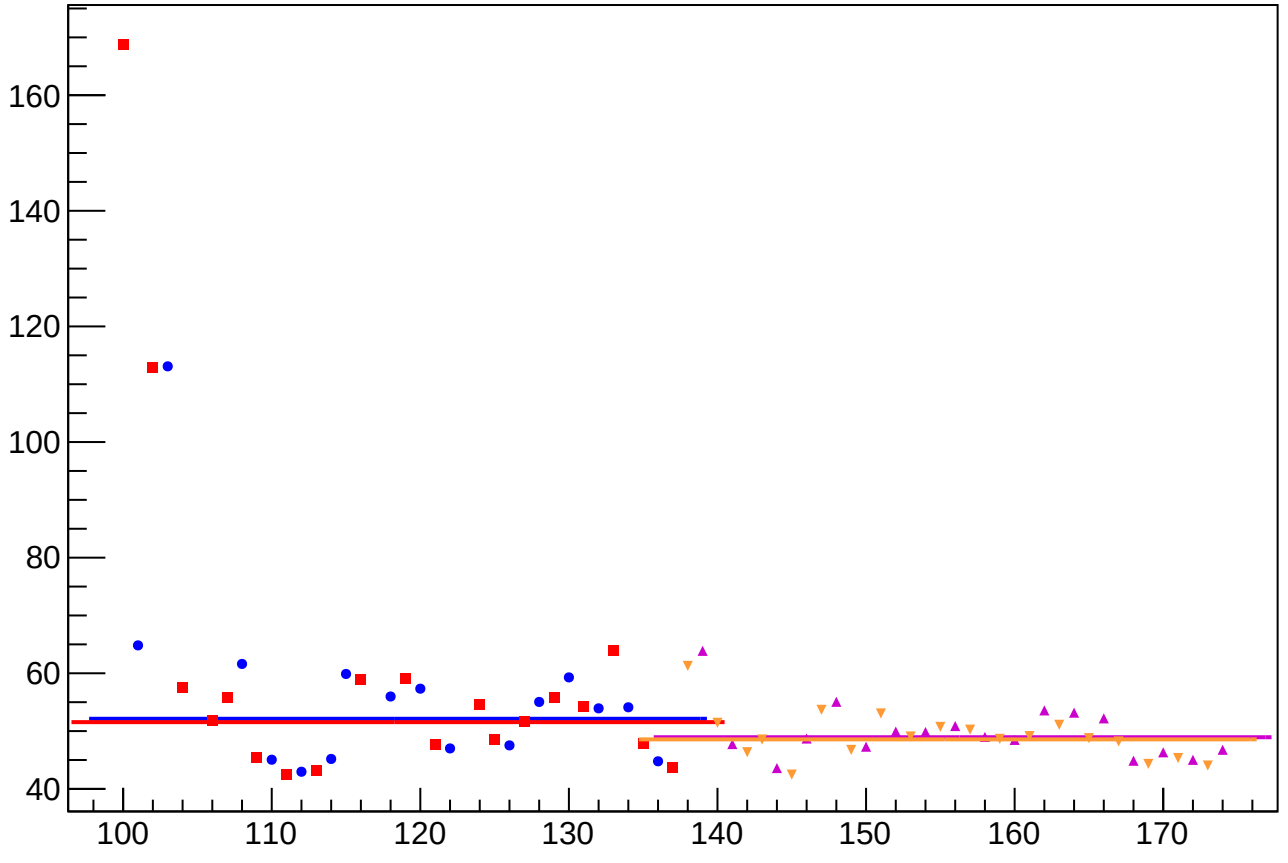
Left In: -52.419+/-12.778 χ^2/NDF:28.1/17

+ sign 28.070+/-10.672 χ^2/NDF: 35.7/34

All: -11.653+/-7.559 χ^2/NDF: 120.9/71

- 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: 48.567+/-0.009 χ^2/NDF:182977.8/18

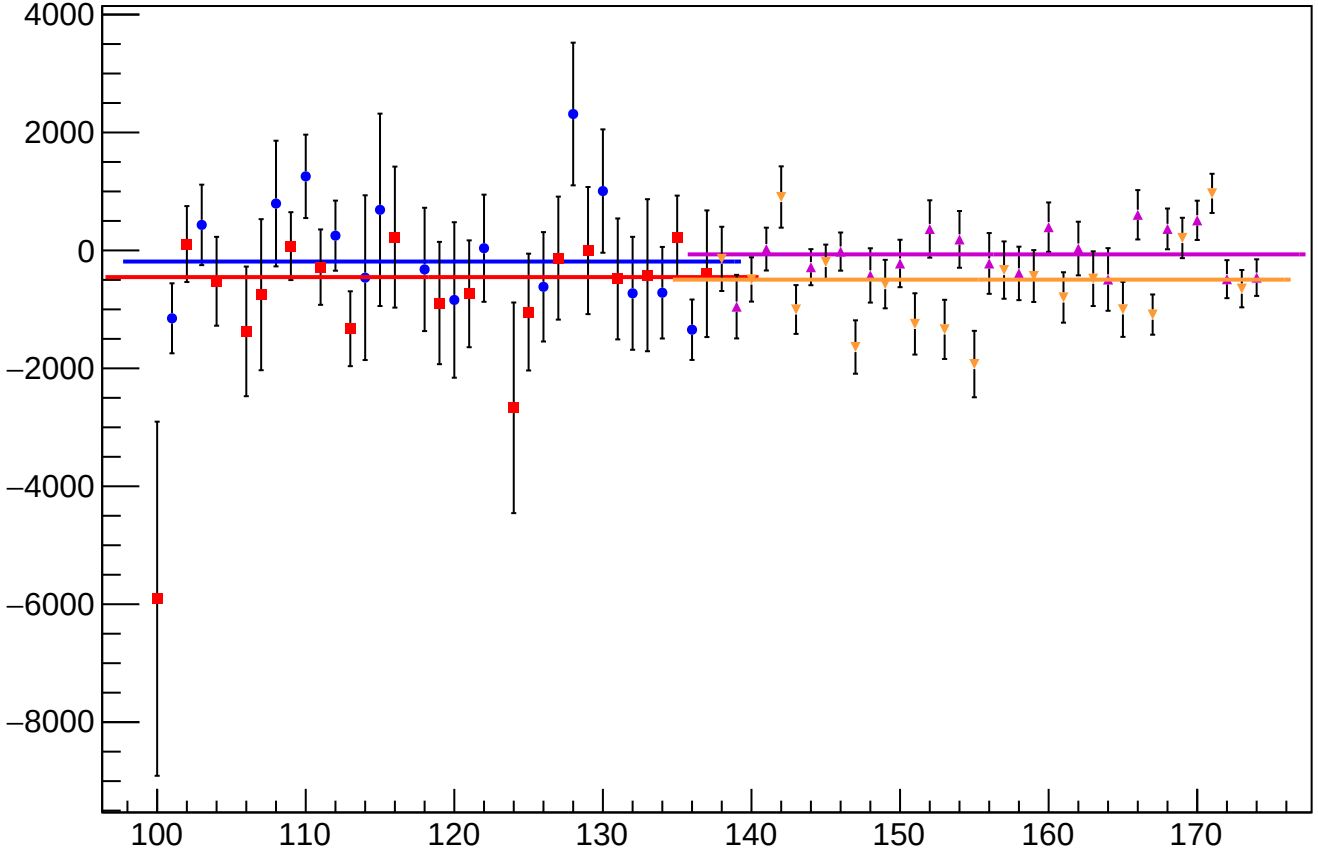
Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 48.937+/-0.009 χ^2/NDF:205092.4/17

+ sign 49.582+/-0.008 χ^2/NDF: 791271.4/34

All: 49.648+/-0.005 χ^2/NDF: 1660995.4/71

- 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: -495.482+/-93.907 χ^2/NDF:56.7/18

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

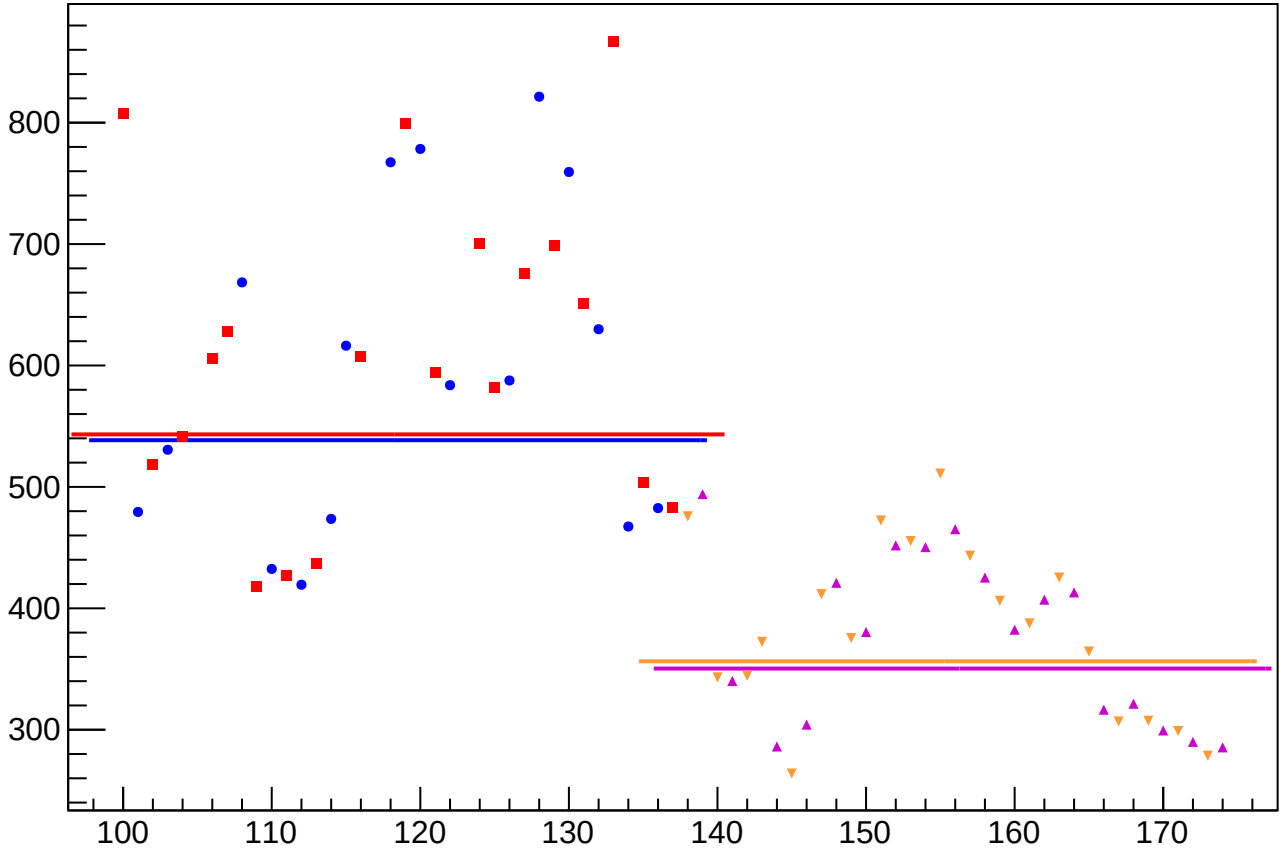
Left In: -67.068+/-92.651 χ^2/NDF:18.0/17

\+ sign -442.595+/-85.434 χ^2/NDF: 79.9/34

All: -285.840+/-60.025 χ^2/NDF: 118.9/71

\- 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: 356.384+/-0.066 χ^2/NDF:1069907.4/18

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

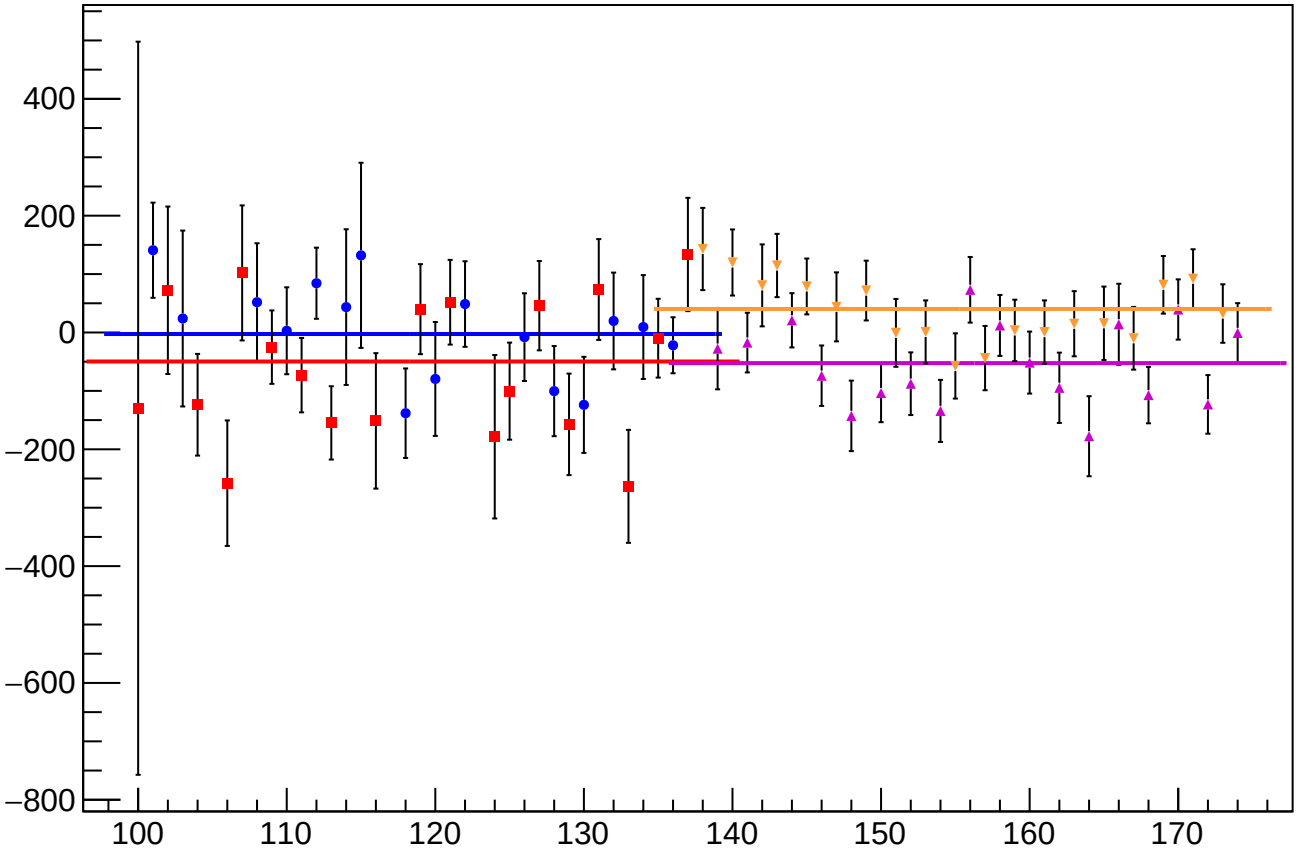
Left In: 350.383+/-0.066 χ^2/NDF:960322.3/17

+ sign 387.760+/-0.060 χ^2/NDF: 2979584.0/34

All: 385.544+/-0.042 χ^2/NDF: 6062520.9/71

- 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: 40.296+/-12.620 χ^2/NDF:17.8/18

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

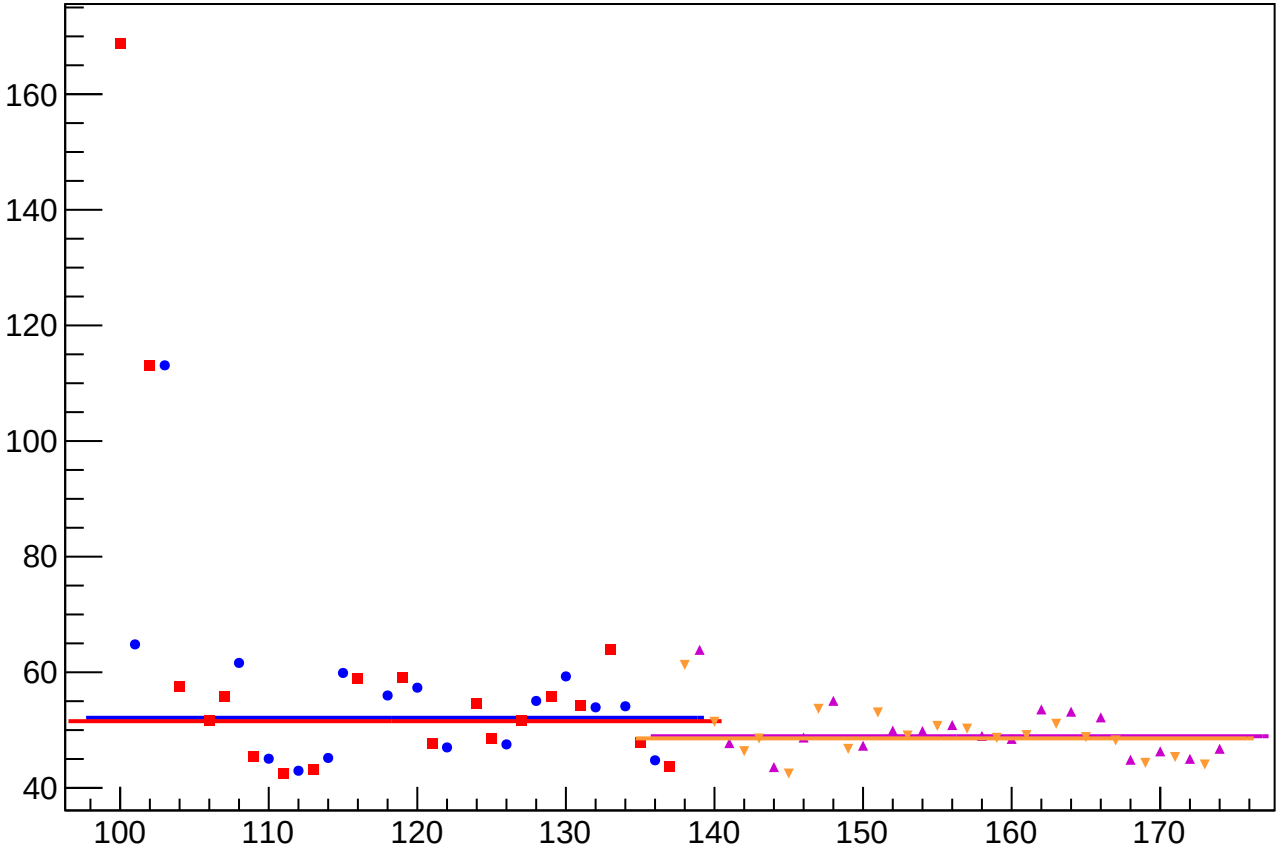
Left In: -52.417+/-12.778 χ^2/NDF:28.1/17

+ sign 28.070+/-10.672 χ^2/NDF: 35.7/34

All: -11.635+/-7.559 χ^2/NDF: 120.8/71

- 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: 48.567+/-0.009 χ^2/NDF:182977.8/18

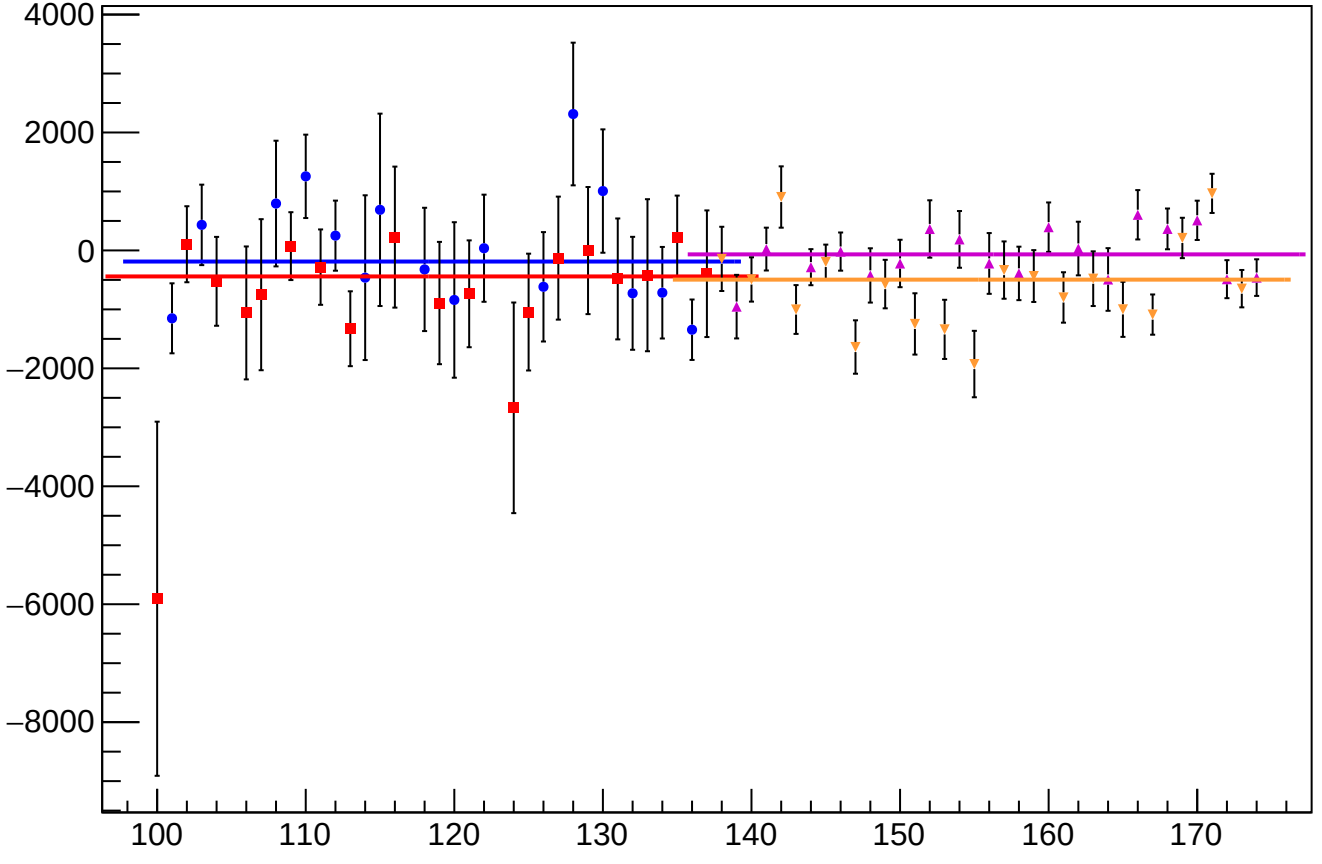
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 48.937+/-0.009 χ^2/NDF:205092.4/17

+ sign 49.582+/-0.008 χ^2/NDF: 791273.7/34

All: 49.647+/-0.005 χ^2/NDF: 1661013.3/71

- 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: -495.479+/-93.907 χ^2/NDF:56.7/18

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

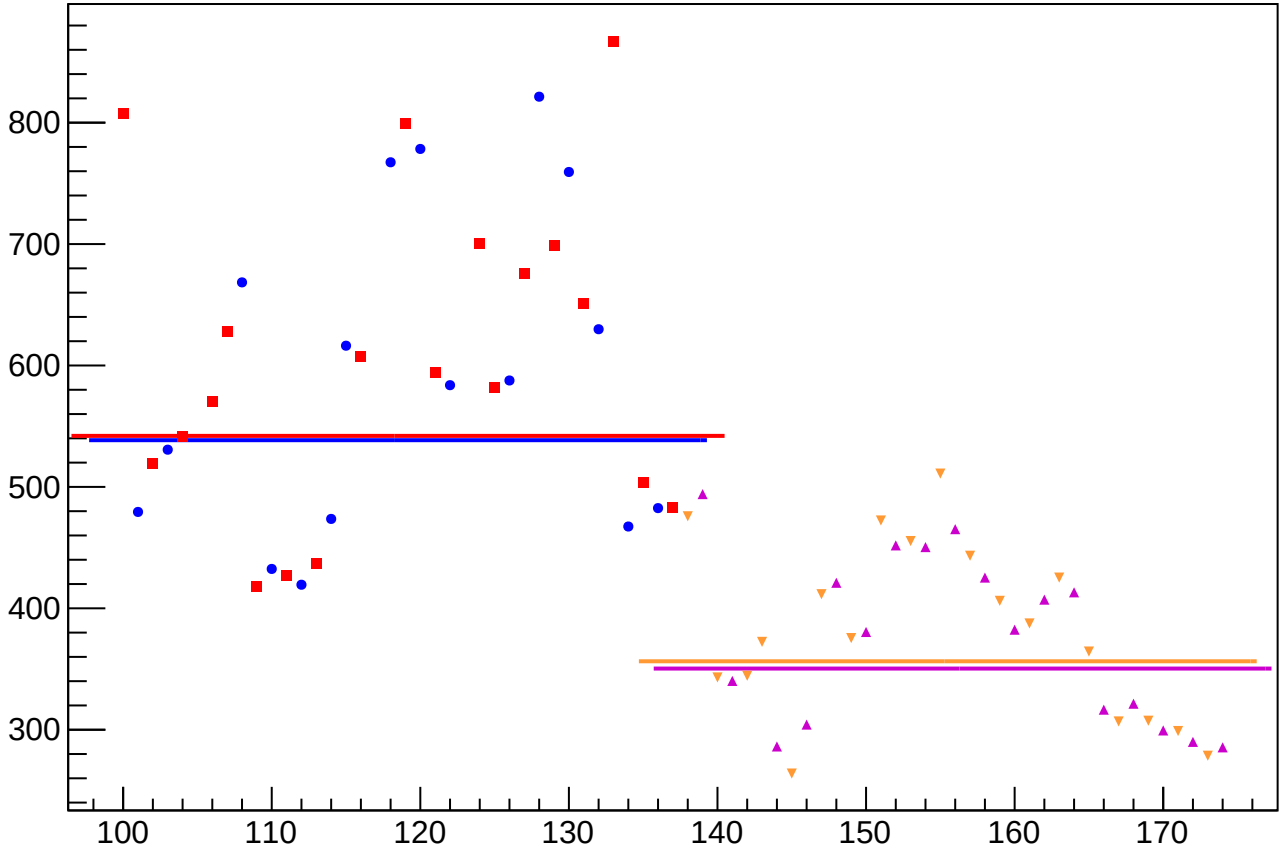
Left In: -67.069+/-92.651 χ^2/NDF:18.0/17

+ sign -442.590+/-85.434 χ^2/NDF: 79.9/34

All: -284.827+/-60.030 χ^2/NDF: 118.3/71

- 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: 356.384+/-0.066 χ^2/NDF:1069911.3/18

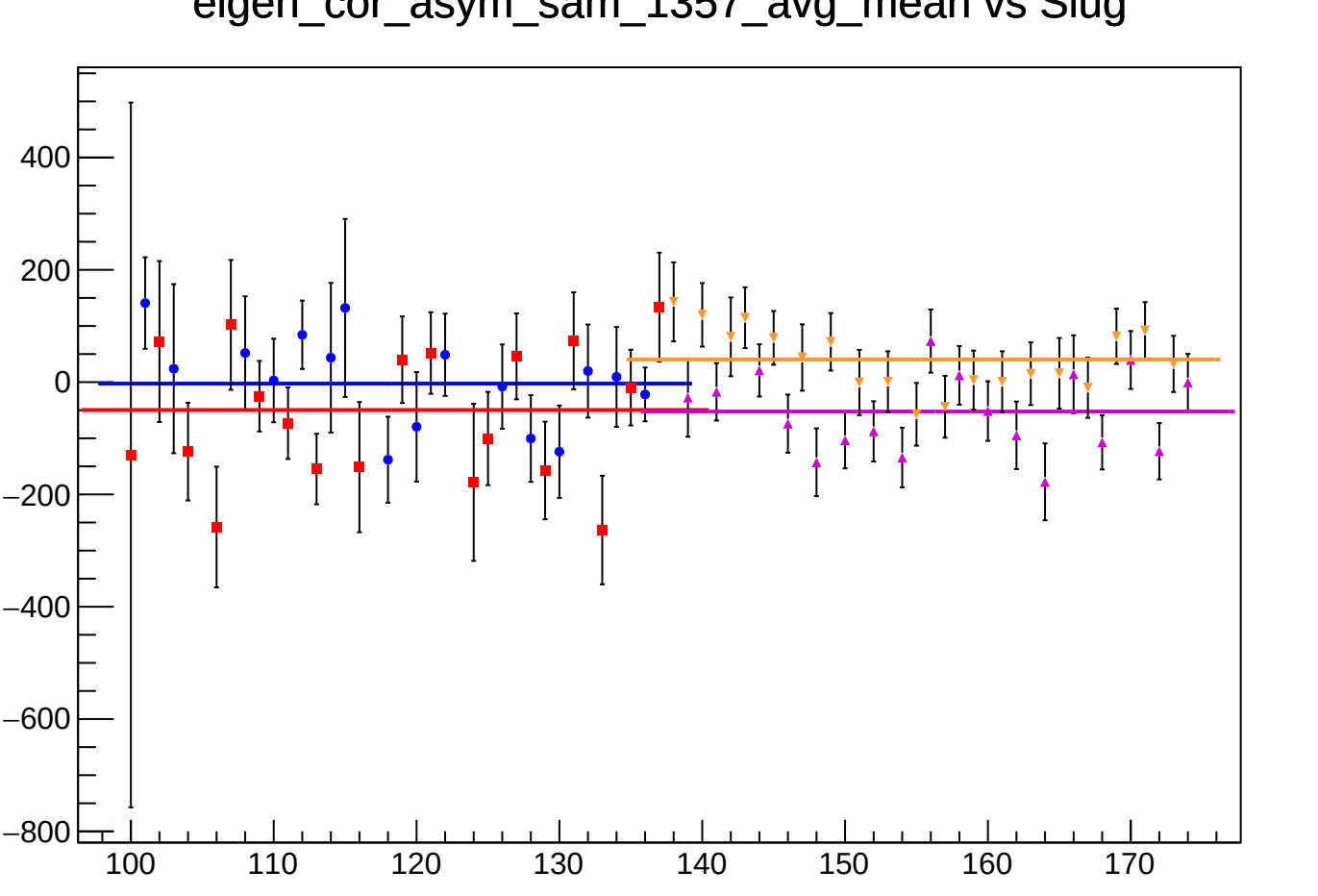
Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 350.383+/-0.066 χ^2/NDF:960322.7/17

+ sign 387.760+/-0.060 χ^2/NDF: 2979641.0/34

All: 385.413+/-0.042 χ^2/NDF: 6036407.5/71

- sign 383.124+/-0.060 χ^2/NDF: 3053784.3/36



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 40.296+/-12.620 χ^2/NDF:17.8/18

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

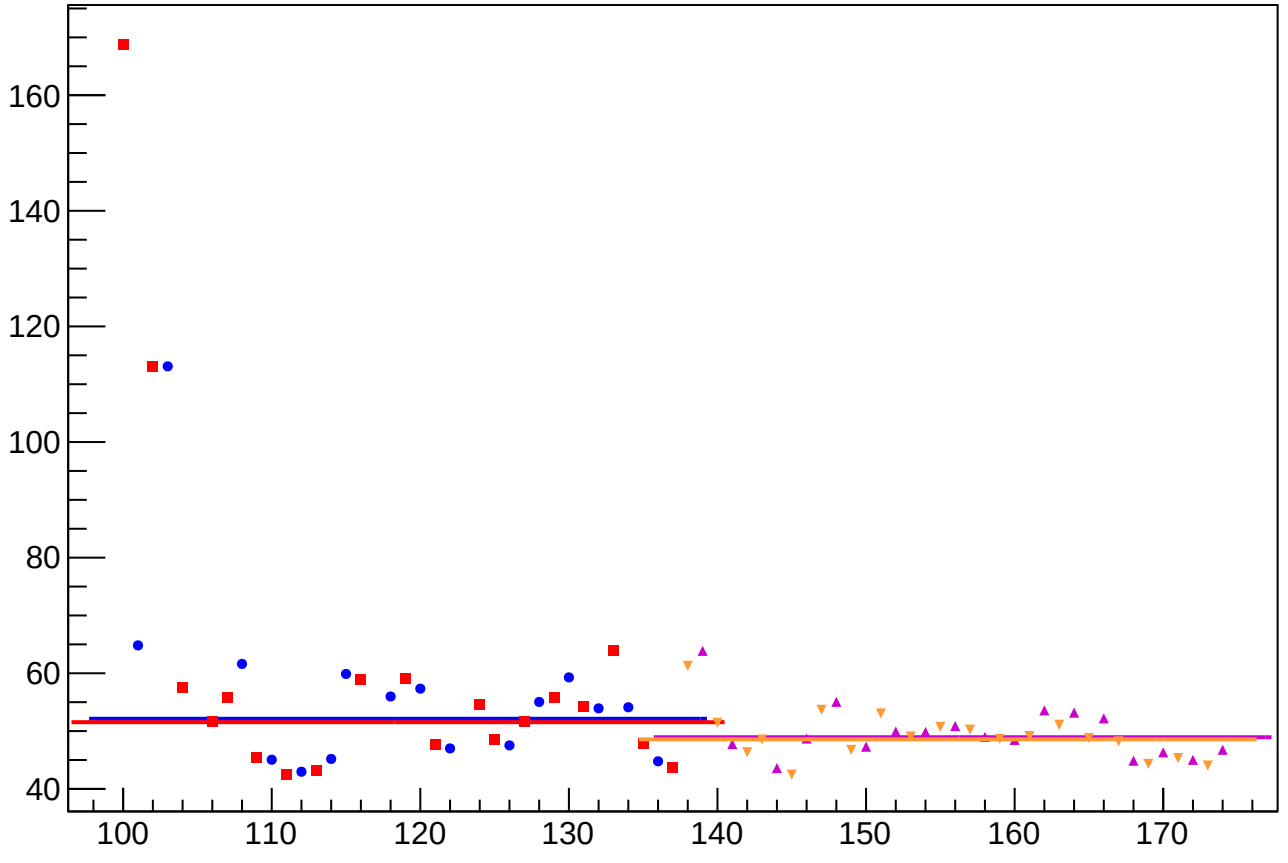
Left In: -52.417+/-12.778 χ^2/NDF:28.1/17

+ sign 28.070+/-10.672 χ^2/NDF: 35.7/34

All: -11.635+/-7.559 χ^2/NDF: 120.8/71

- 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: 48.567+/-0.009 χ^2/NDF:182977.8/18

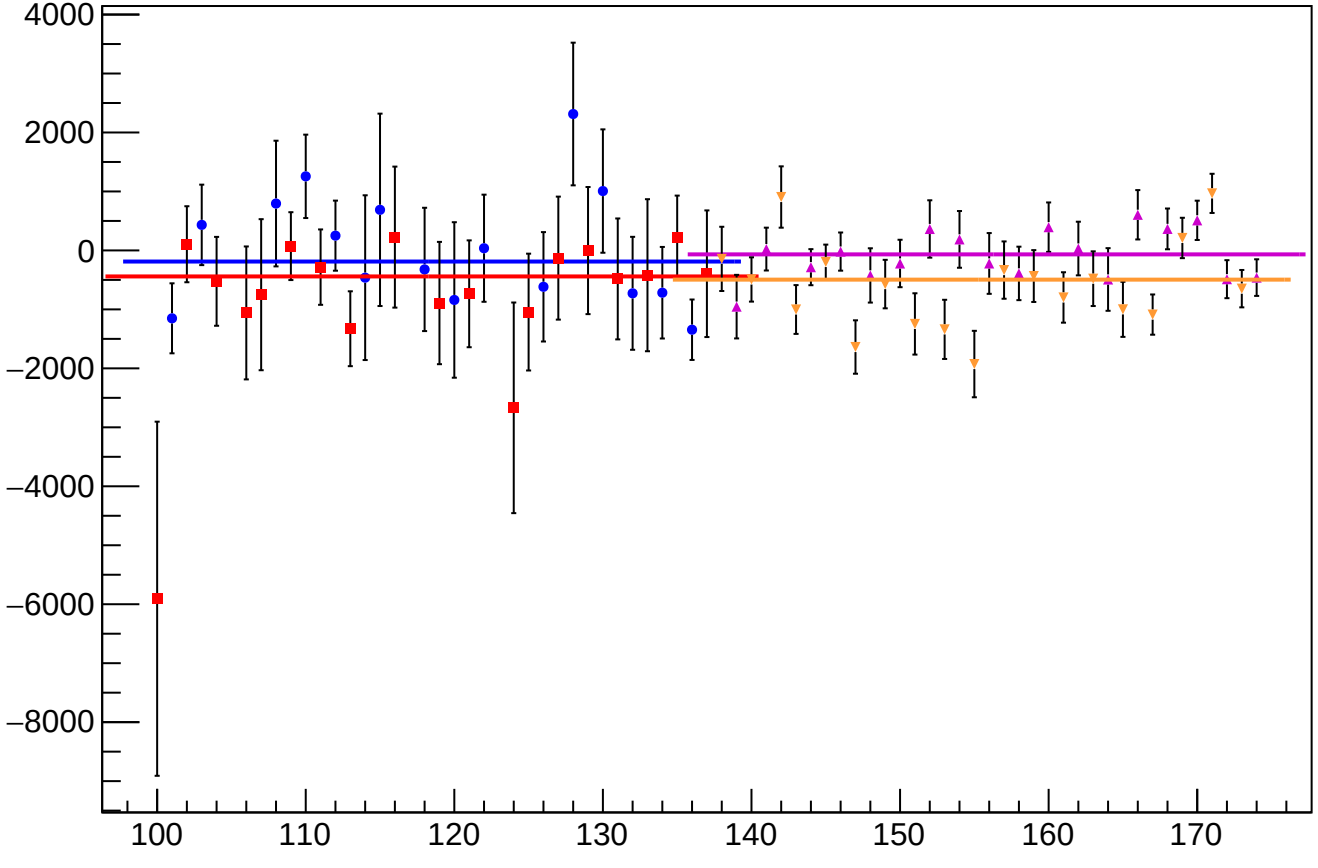
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 48.937+/-0.009 χ^2/NDF:205092.4/17

+ sign 49.582+/-0.008 χ^2/NDF: 791273.7/34

All: 49.647+/-0.005 χ^2/NDF: 1661013.3/71

- 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: -495.479+/-93.907 χ^2/NDF:56.7/18

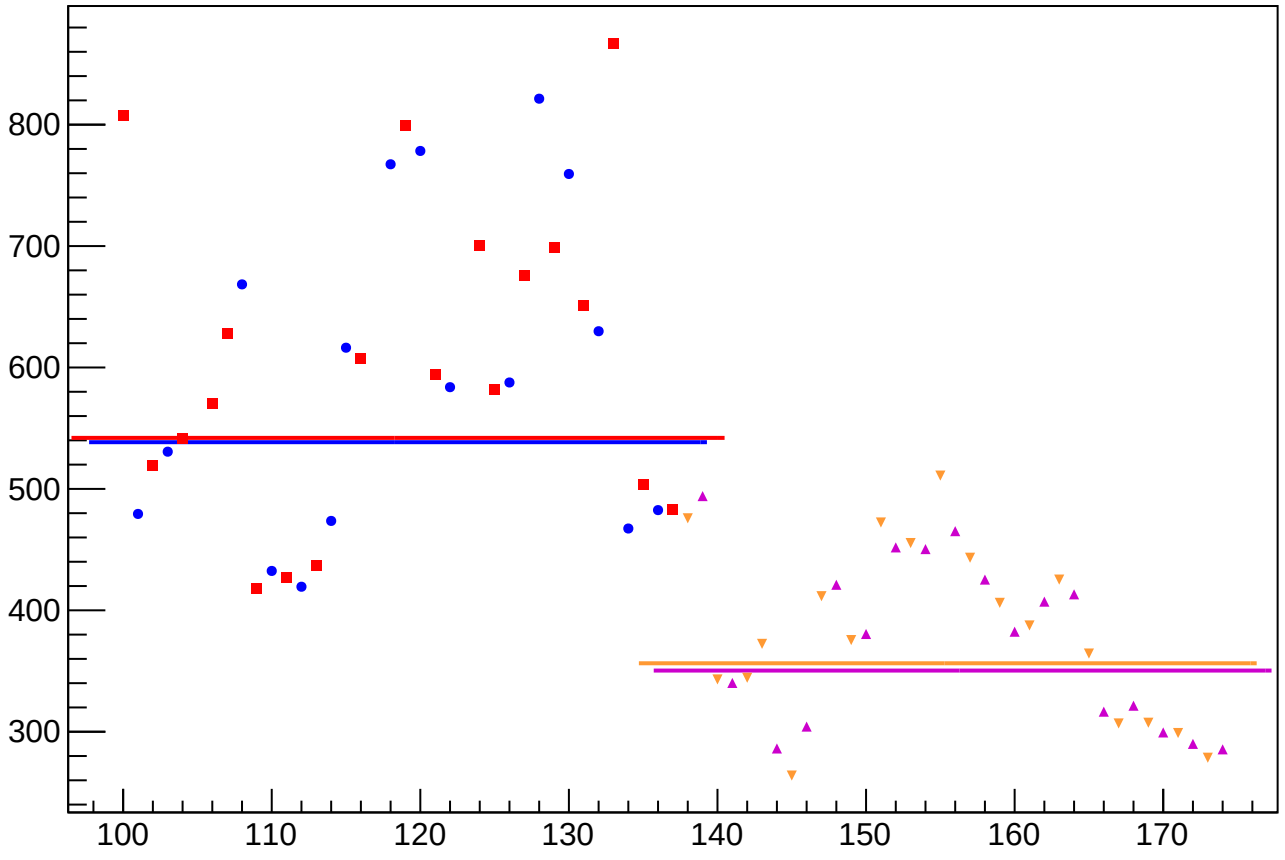
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -67.069+/-92.651 χ^2/NDF:18.0/17

+ sign -442.590+/-85.434 χ^2/NDF: 79.9/34

All: -284.827+/-60.030 χ^2/NDF: 118.3/71

- 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: 356.384+/-0.066 χ^2/NDF:1069911.3/18

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

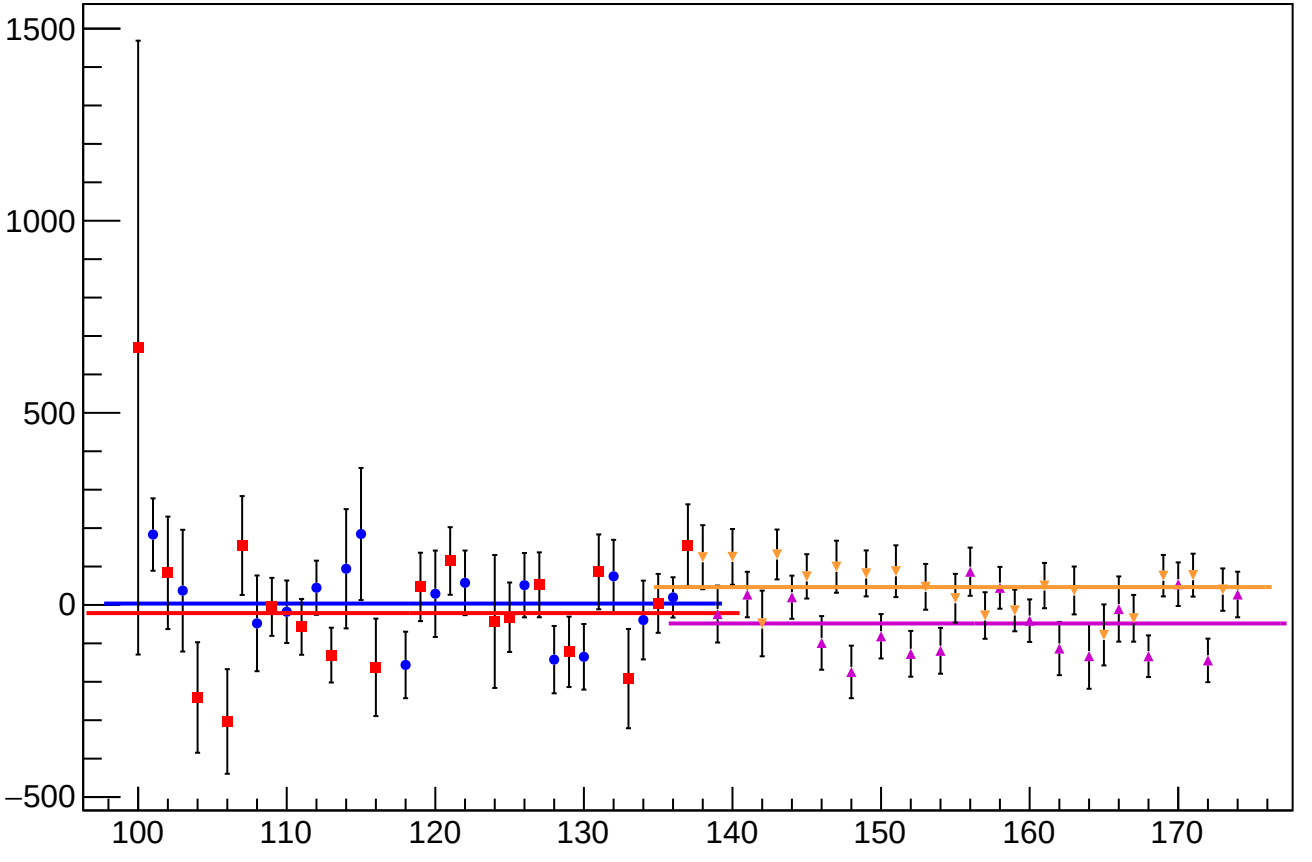
Left In: 350.383+/-0.066 χ^2/NDF:960322.7/17

+ sign 387.760+/-0.060 χ^2/NDF: 2979641.0/34

All: 385.413+/-0.042 χ^2/NDF: 6036407.5/71

- 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: 46.389+/-14.384 χ^2/NDF:14.4/18

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

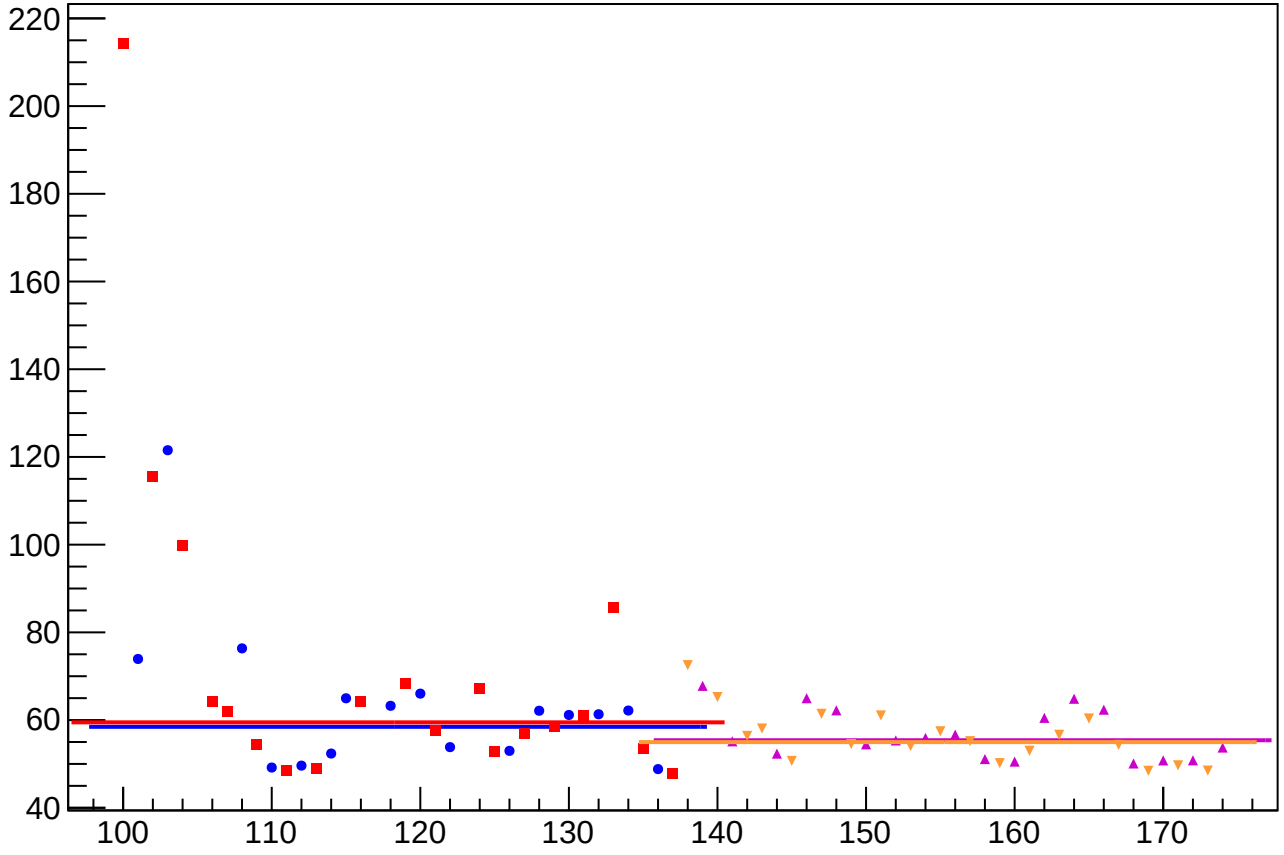
Left In: -48.188+/-14.565 χ^2/NDF:30.5/17

+ sign 33.958+/-12.116 χ^2/NDF: 33.1/34

All: -2.738+/-8.621 χ^2/NDF: 107.6/71

- 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: 54.976+/-0.010 χ^2/NDF:286367.8/18

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

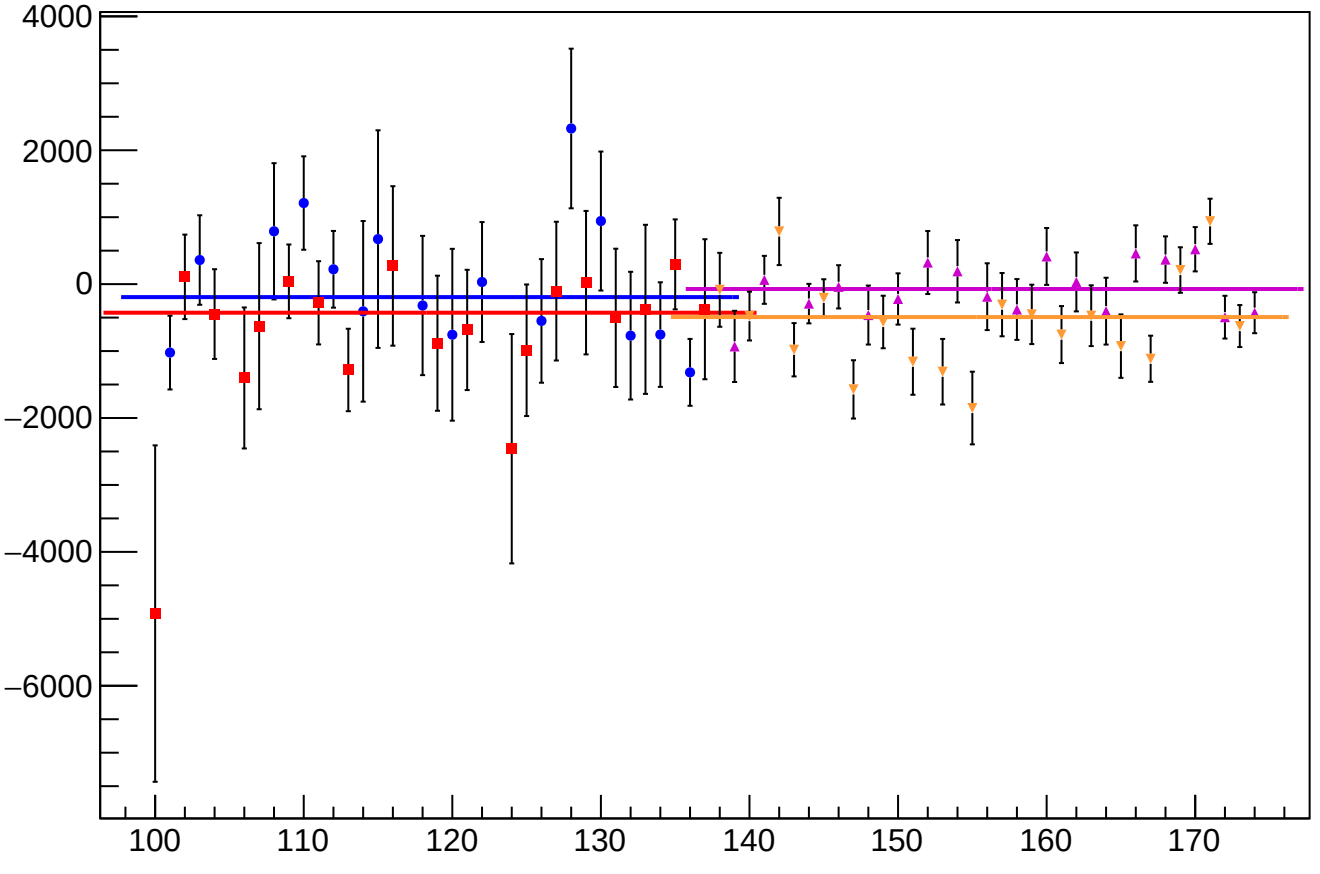
Left In: 55.401+/-0.010 χ^2/NDF:244879.5/17

+ sign 55.990+/-0.009 χ^2/NDF: 903543.6/34

All: 56.284+/-0.006 χ^2/NDF: 1981347.0/71

- sign 56.586+/-0.009 χ^2/NDF: 1075407.8/36

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -491.946+/-92.113 χ^2/NDF:53.7/18

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

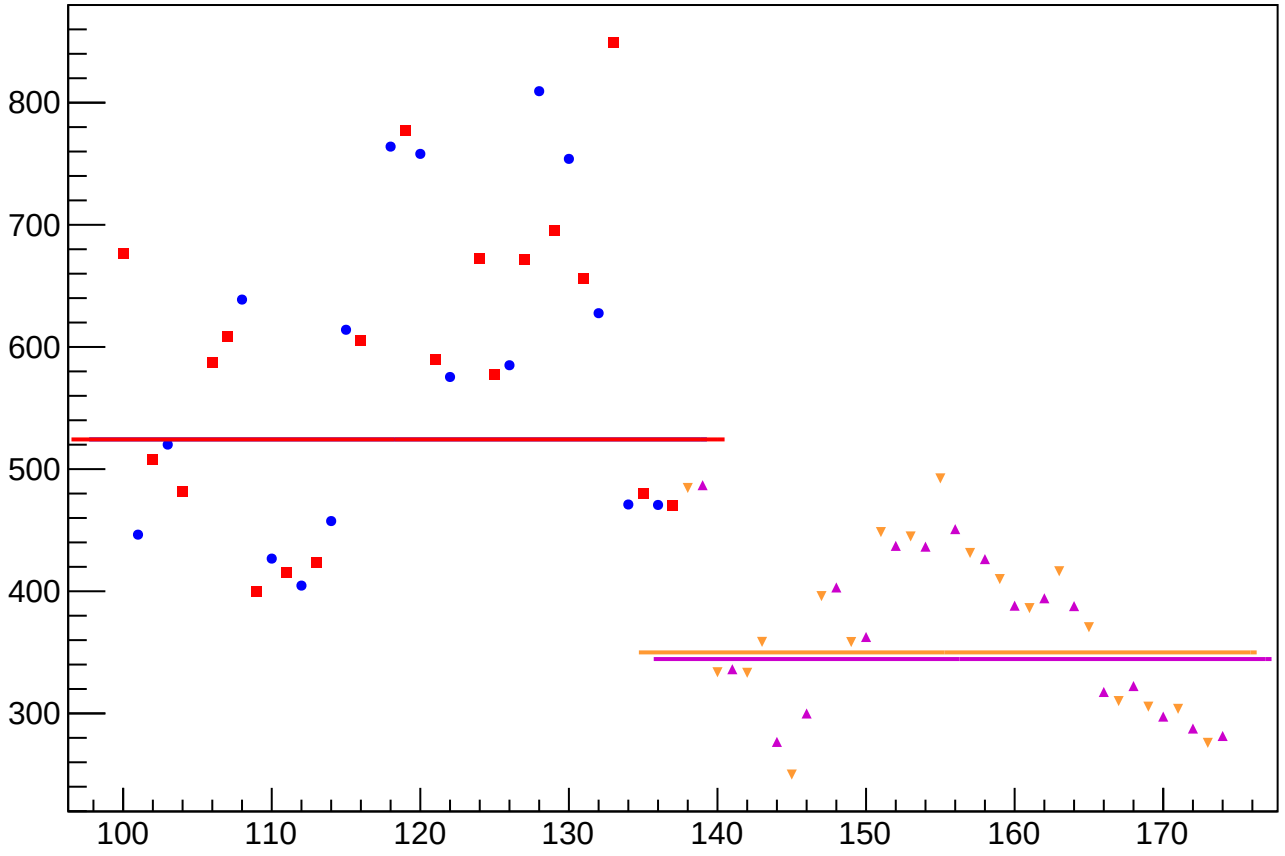
Left In: -72.955+/-91.035 χ^2/NDF:17.1/17

+ sign -440.046+/-83.710 χ^2/NDF: 76.4/34

All: -285.684+/-58.810 χ^2/NDF: 114.1/71

- 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: 349.956+/-0.065 χ^2/NDF:1067386.2/18

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

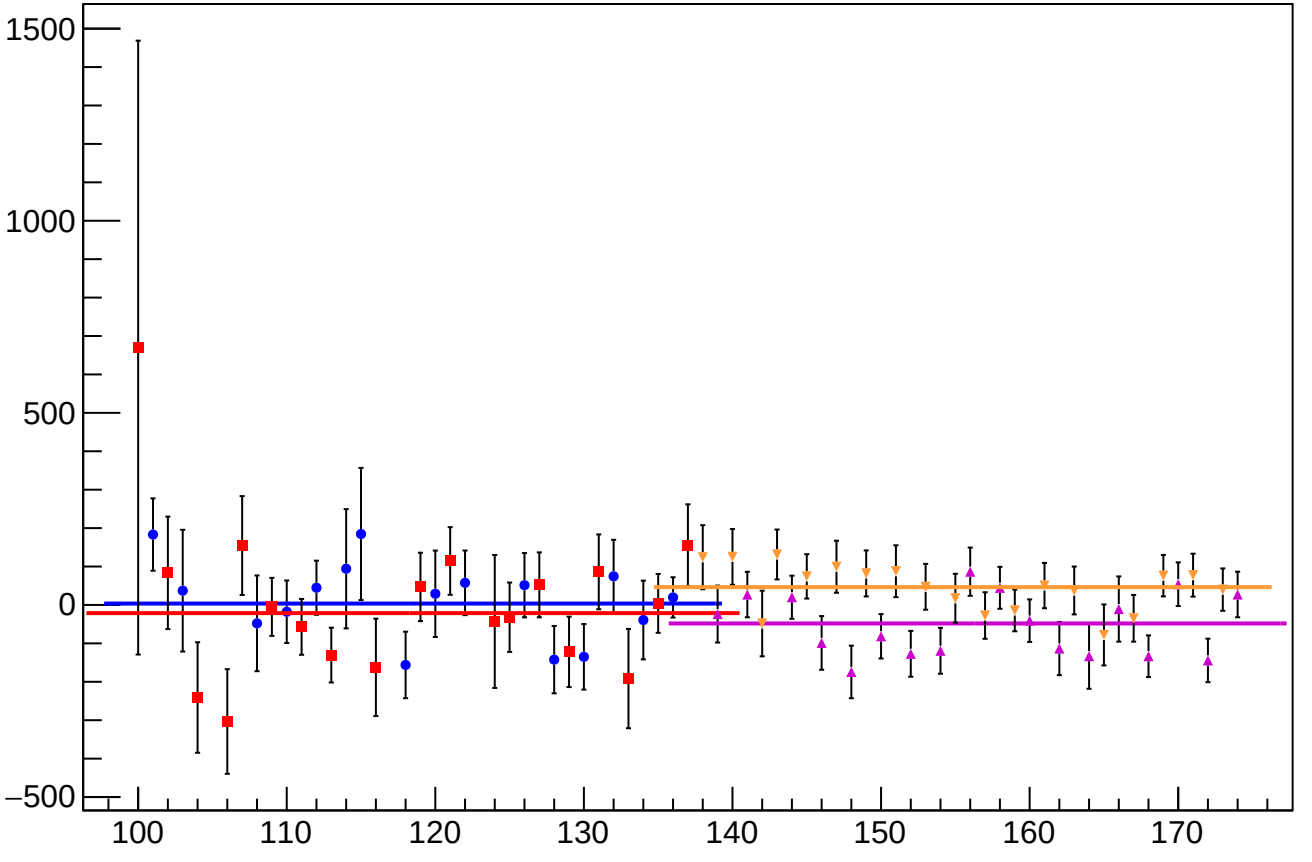
Left In: 344.507+/-0.064 χ^2/NDF:906128.1/17

+ sign 380.319+/-0.059 χ^2/NDF: 2973858.5/34

All: 378.205+/-0.042 χ^2/NDF: 5941345.6/71

- 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: 46.389+/-14.384 χ^2/NDF:14.4/18

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

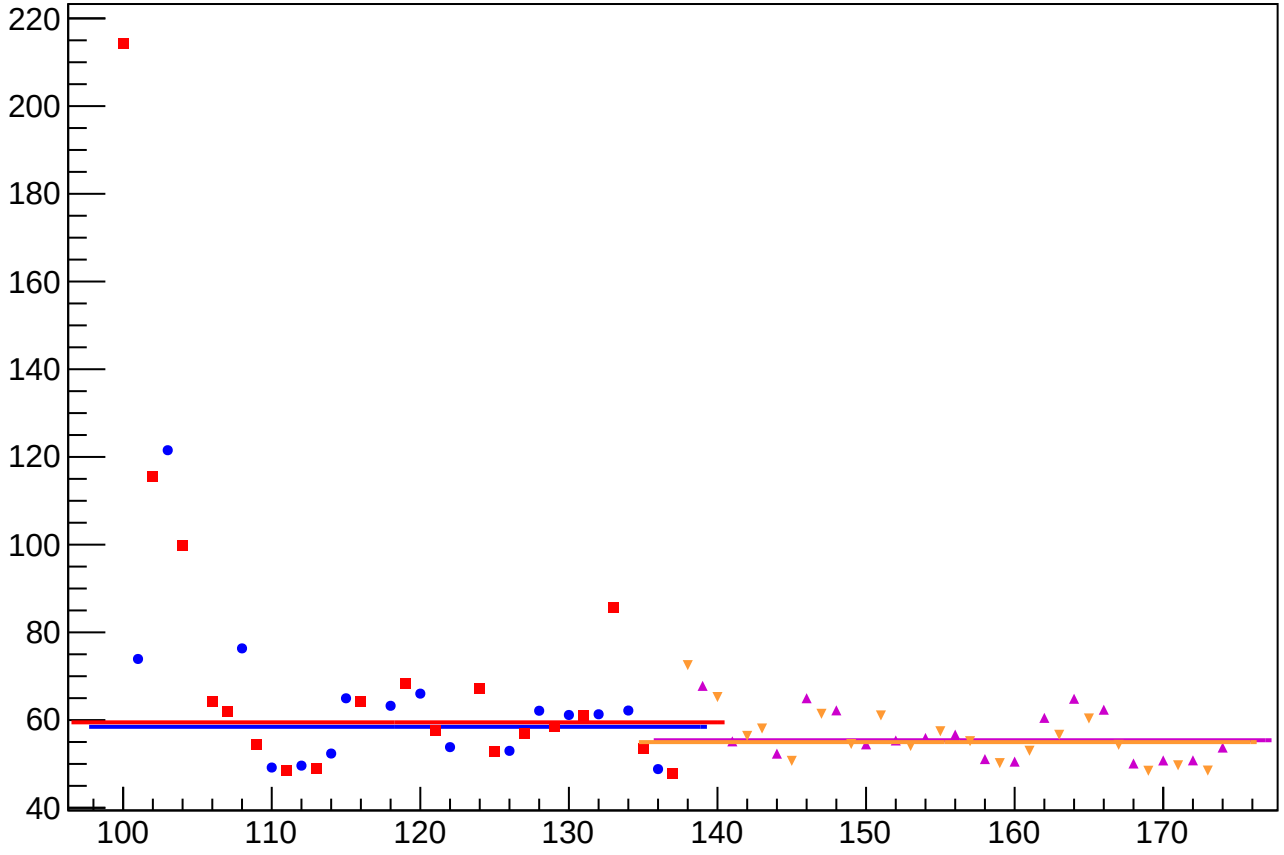
Left In: -48.187+/-14.565 χ^2/NDF:30.5/17

+ sign 33.958+/-12.116 χ^2/NDF: 33.1/34

All: -2.737+/-8.621 χ^2/NDF: 107.6/71

- 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: 54.976+/-0.010 χ^2/NDF:286374.4/18

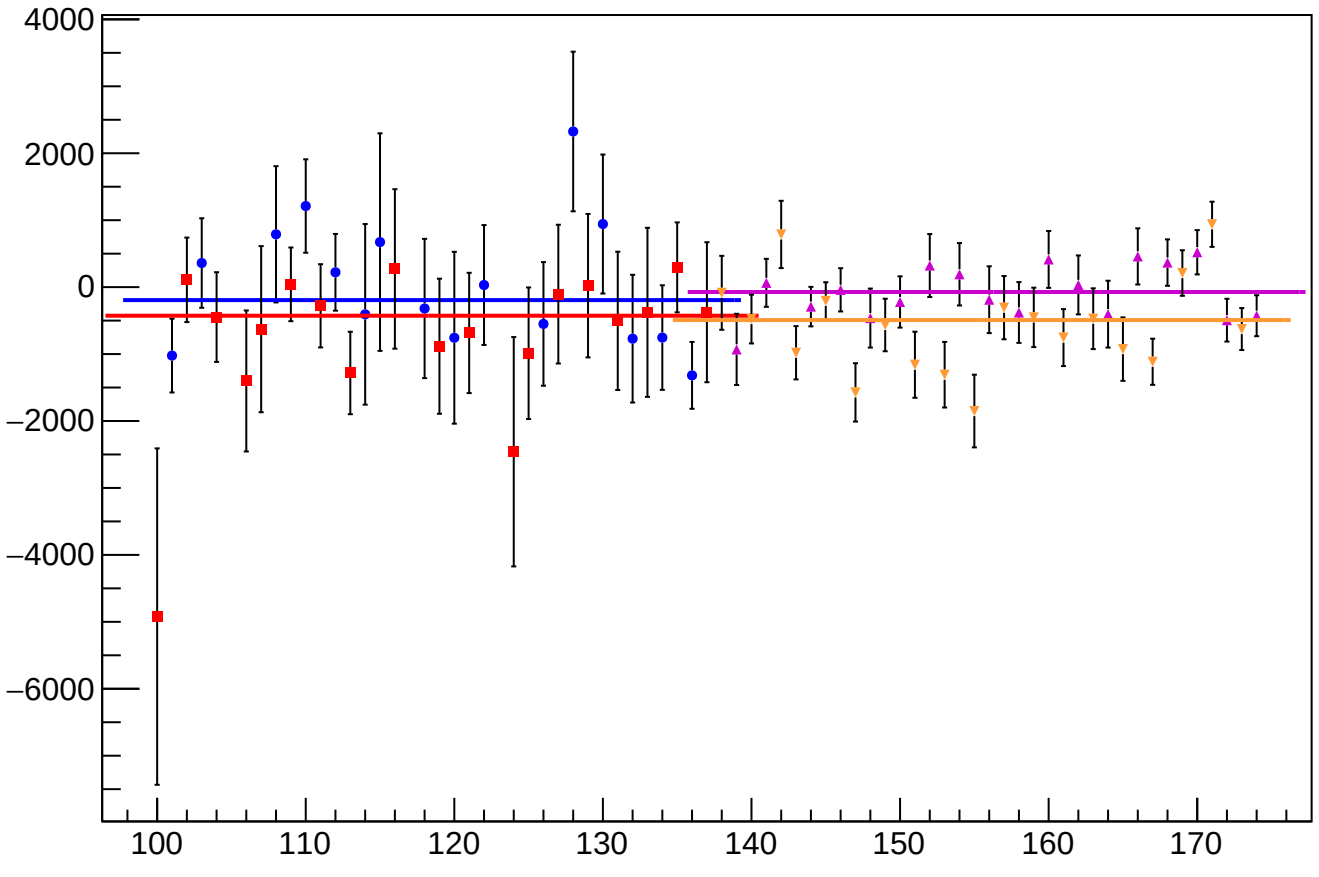
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 55.401+/-0.010 χ^2/NDF:244881.6/17

+ sign 55.990+/-0.009 χ^2/NDF: 903545.8/34

All: 56.284+/-0.006 χ^2/NDF: 1981351.0/71

- 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: -491.946+/-92.113 χ^2/NDF:53.7/18

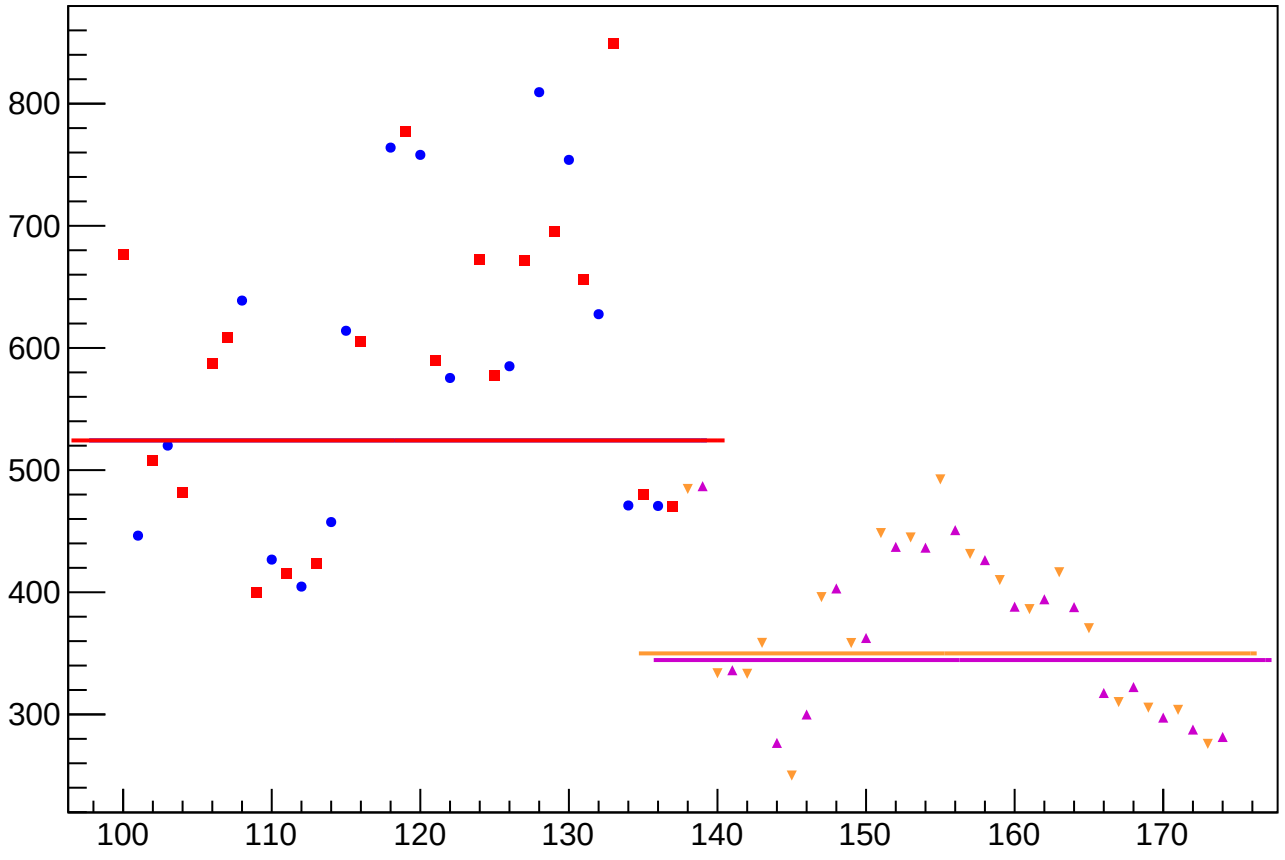
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -72.954+/-91.035 χ^2/NDF:17.1/17

+ sign -440.046+/-83.710 χ^2/NDF: 76.4/34

All: -285.684+/-58.810 χ^2/NDF: 114.1/71

- 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: 349.956+/-0.065 χ^2/NDF:1067380.4/18

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

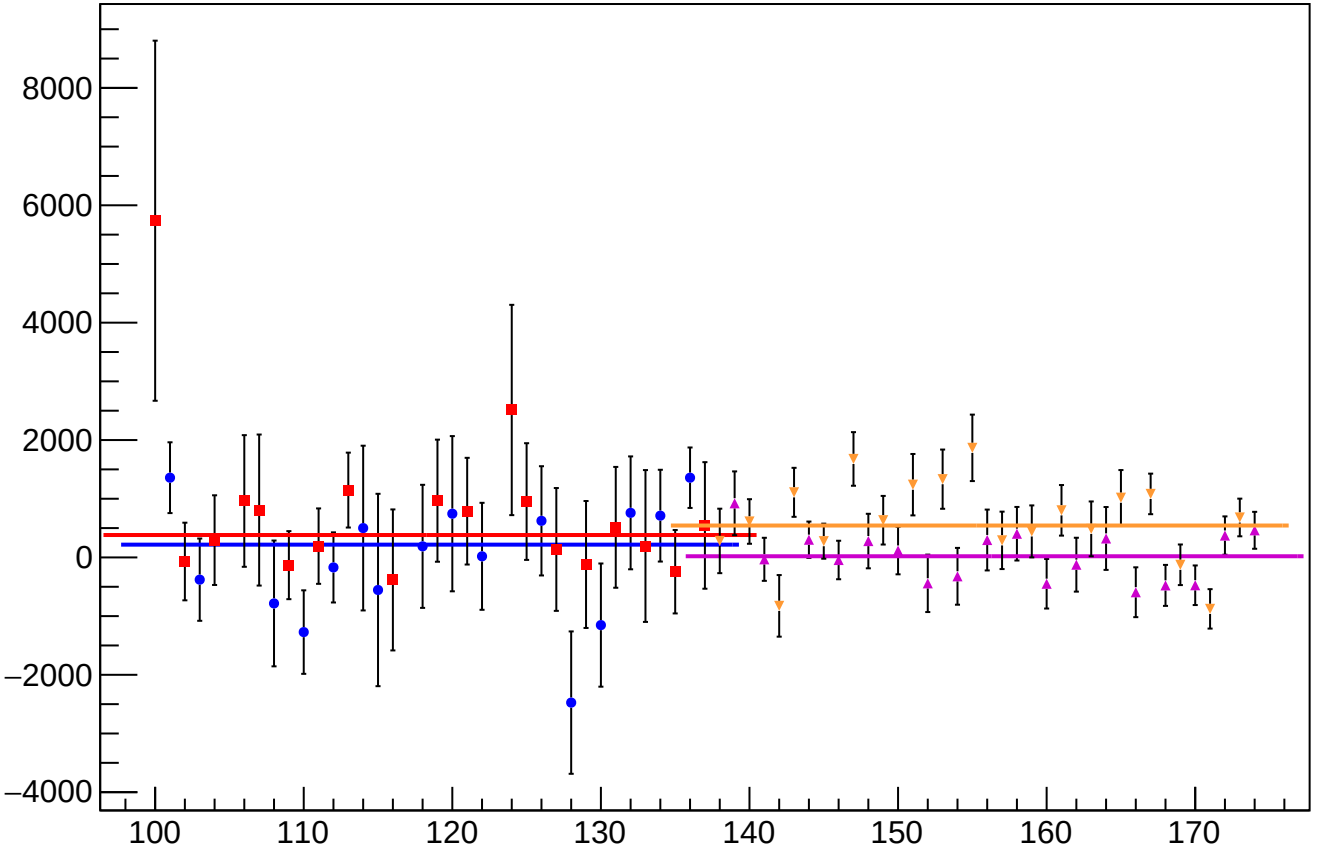
Left In: 344.507+/-0.064 χ^2/NDF:906120.8/17

+ sign 380.319+/-0.059 χ^2/NDF: 2973849.9/34

All: 378.205+/-0.042 χ^2/NDF: 5941322.6/71

- 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: 543.636+/-94.829 χ^2/NDF:51.5/18

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

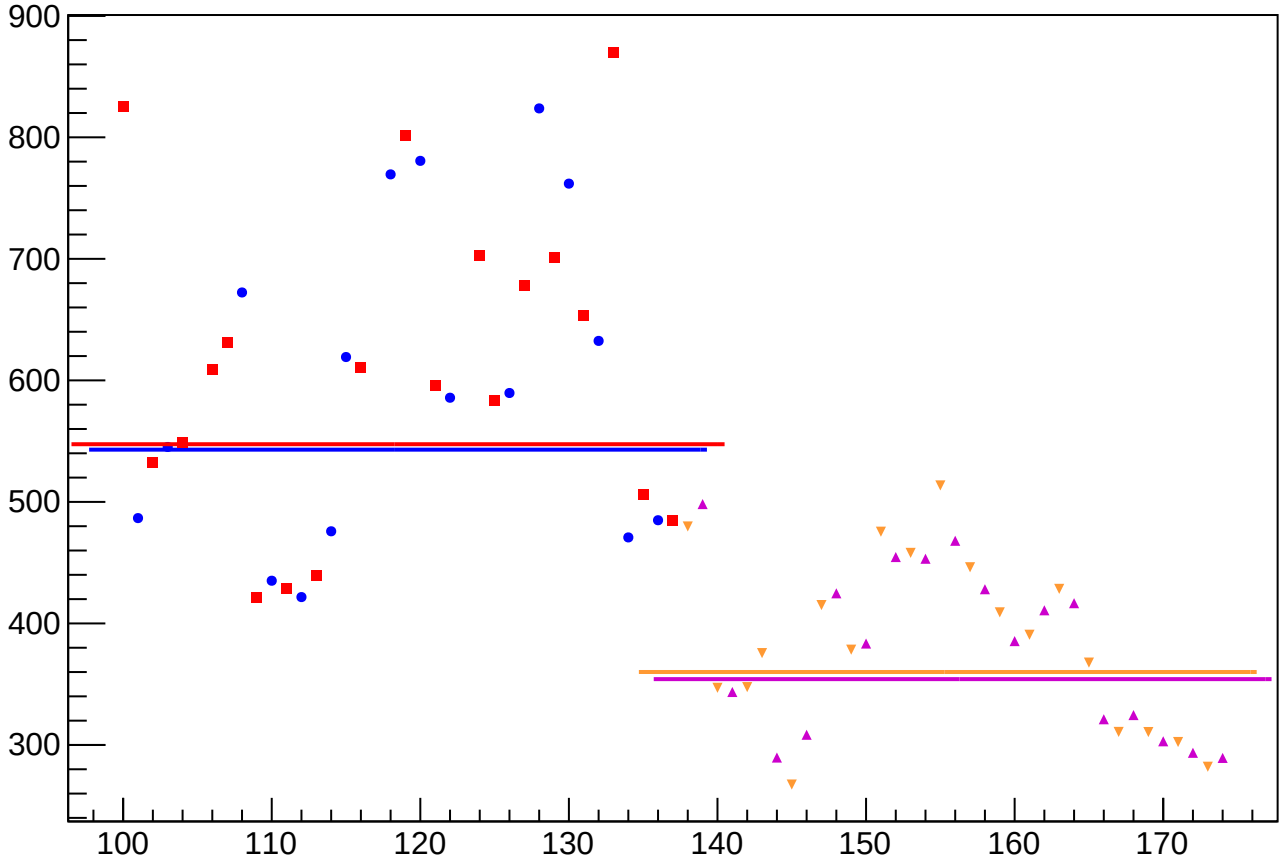
Left In: 20.058+/-93.611 χ^2/NDF:17.4/17

+ sign 487.329+/-86.249 χ^2/NDF: 76.5/34

All: 282.268+/-60.611 χ^2/NDF: 117.6/71

- 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: 360.044+/-0.067 χ^2/NDF:1044849.6/18

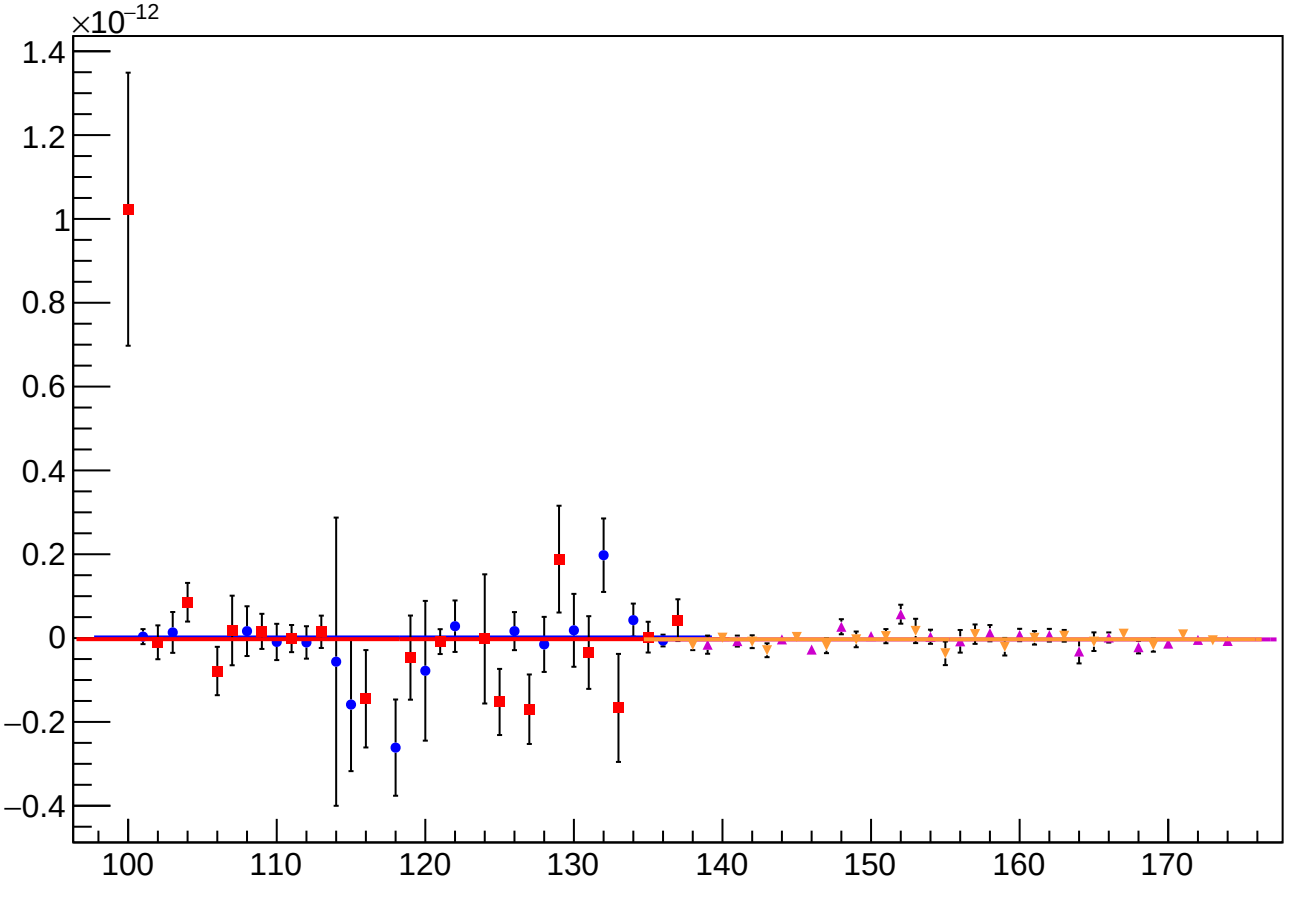
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 354.171+/-0.066 χ^2/NDF:936730.5/17

+ sign 391.656+/-0.061 χ^2/NDF: 2936351.9/34

All: 389.484+/-0.043 χ^2/NDF: 5970251.0/71

- sign 387.365+/-0.060 χ^2/NDF: 3031394.1/36



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/18

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

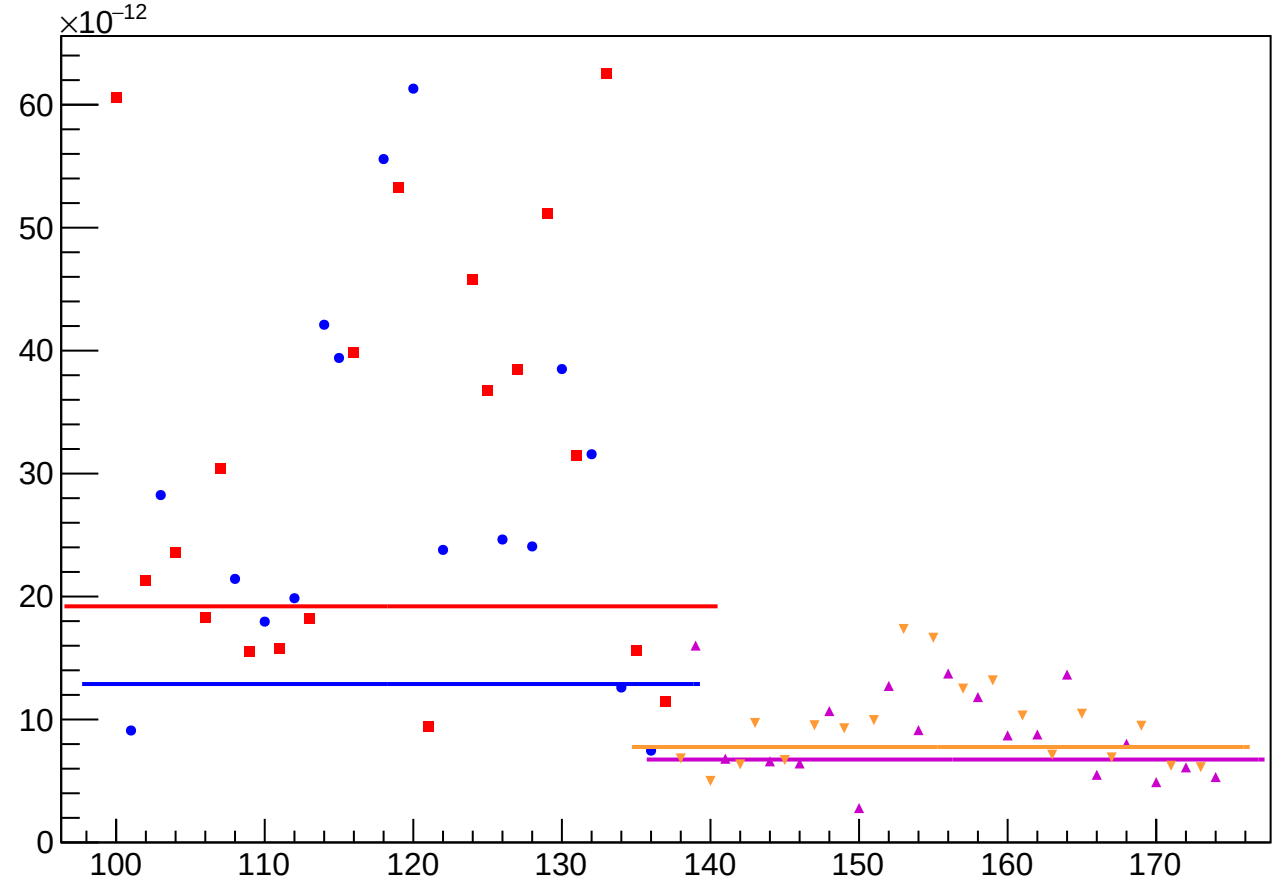
Left In: -0.000+/-0.000 χ^2/NDF:21.3/17

+ sign -0.000+/-0.000 χ^2/NDF: 25.6/34

All: -0.000+/-0.000 χ^2/NDF: 77.0/71

- 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:1165088.0/18

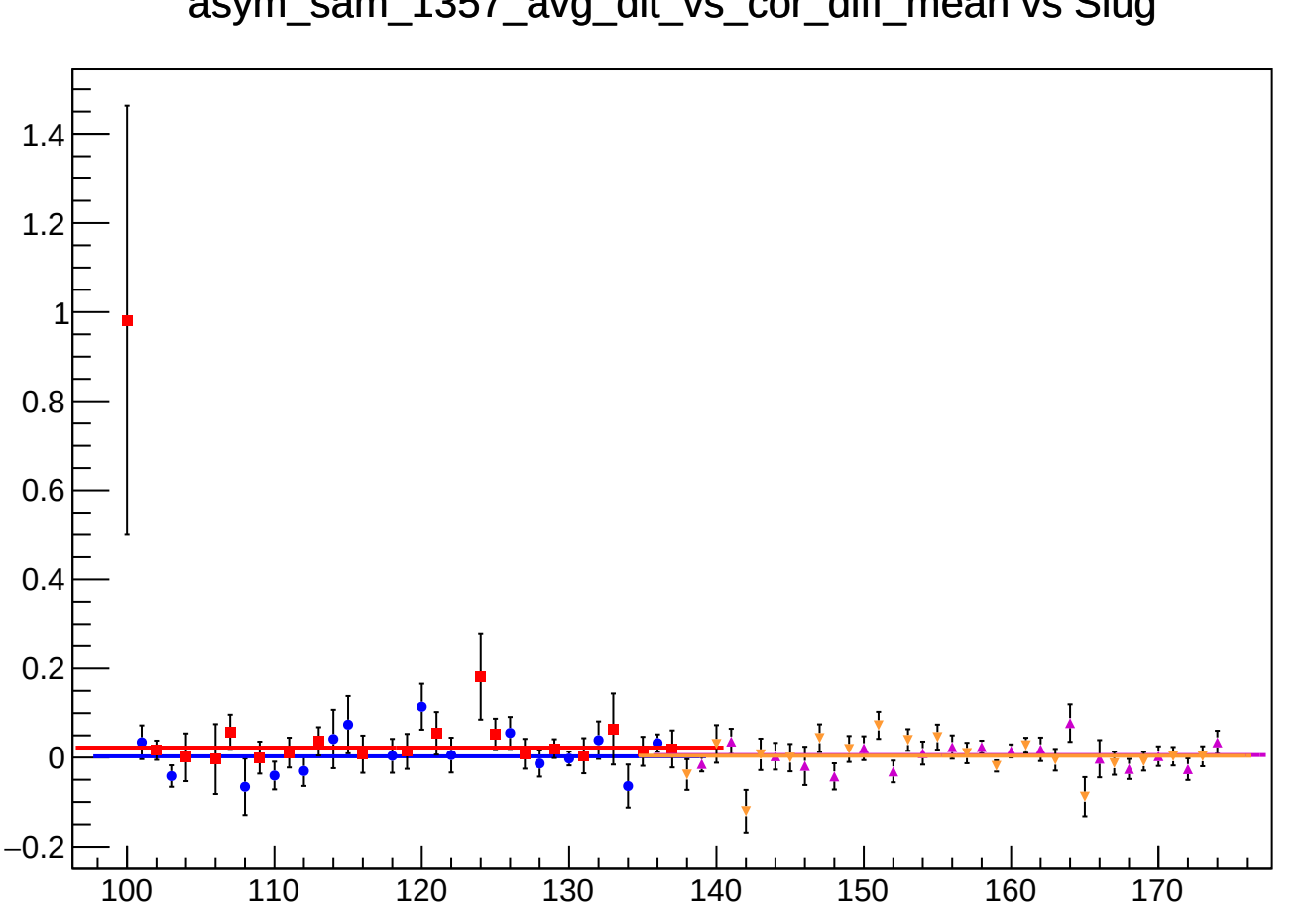
Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1703786.9/17

+ sign 0.000+/-0.000 χ^2/NDF: 3484647.0/34

All: 0.000+/-0.000 χ^2/NDF: 8611275.9/71

- sign 0.000+/-0.000 χ^2/NDF: 5049772.5/36



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.7/18

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

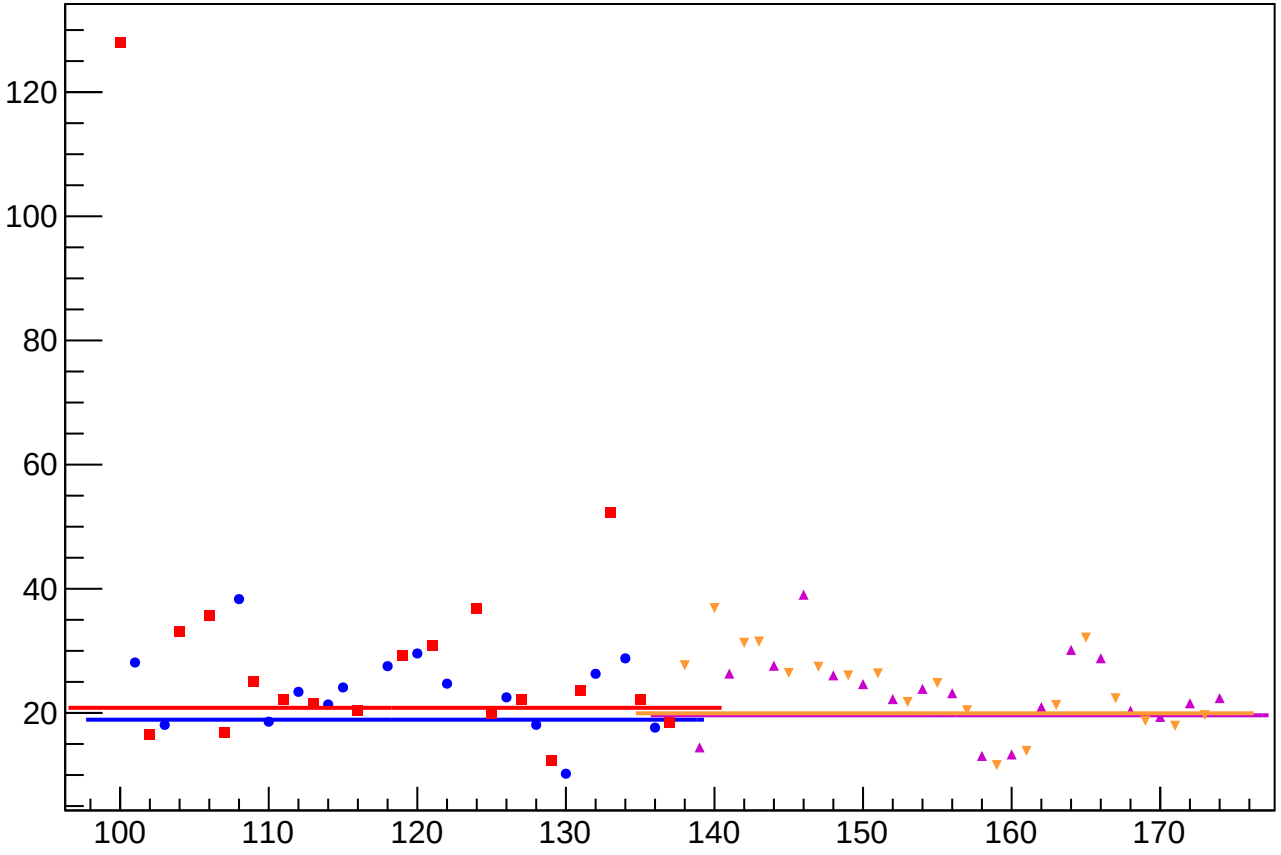
Left In: 0.006+/-0.006 χ^2/NDF:18.7/17

+ sign 0.004+/-0.005 χ^2/NDF: 52.6/34

All: 0.007+/-0.003 χ^2/NDF: 86.1/71

- 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: 19.939+/-0.004 χ^2/NDF:2534059.0/18

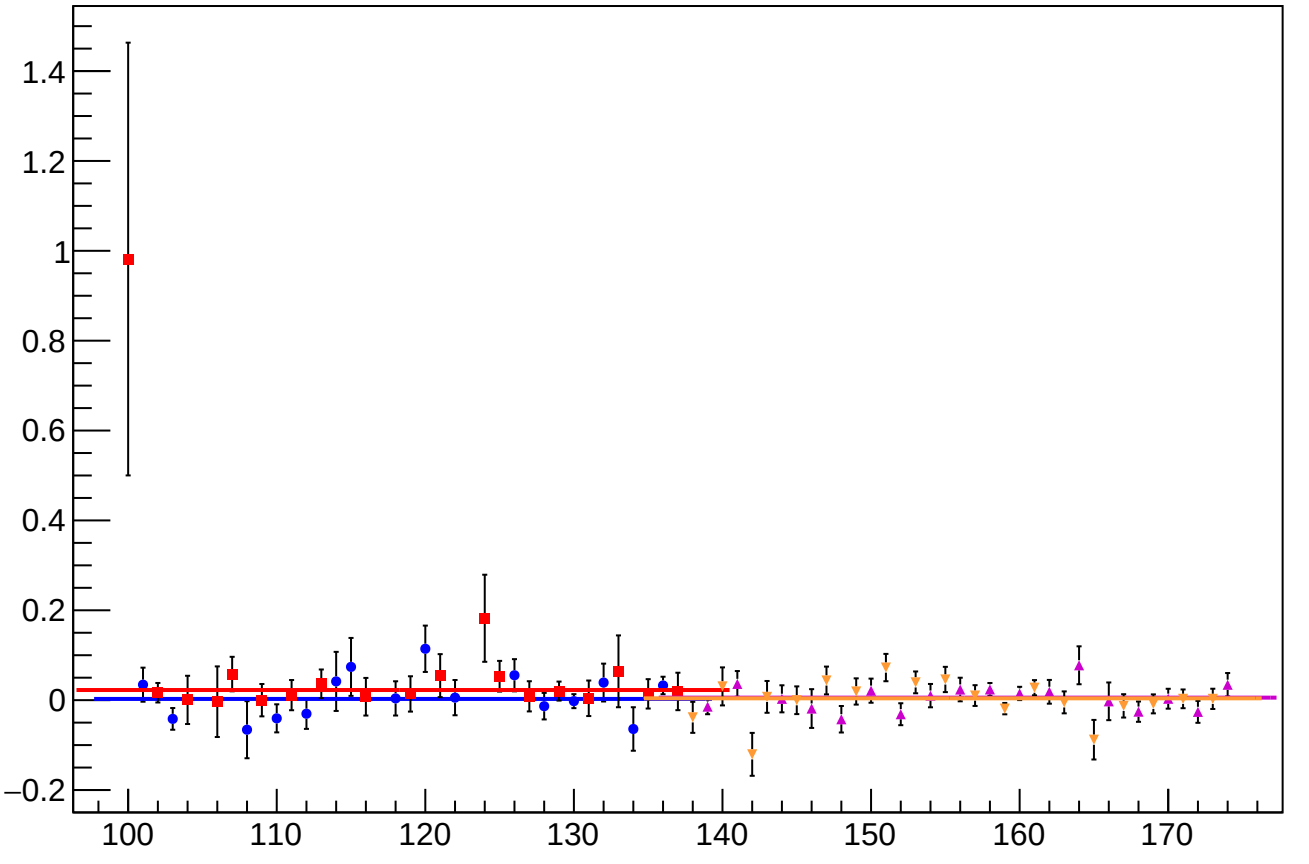
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.620+/-0.004 χ^2/NDF:2170157.4/17

+ sign 19.589+/-0.003 χ^2/NDF: 3947270.6/34

All: 19.782+/-0.002 χ^2/NDF: 7444842.4/71

- 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:30.7/18

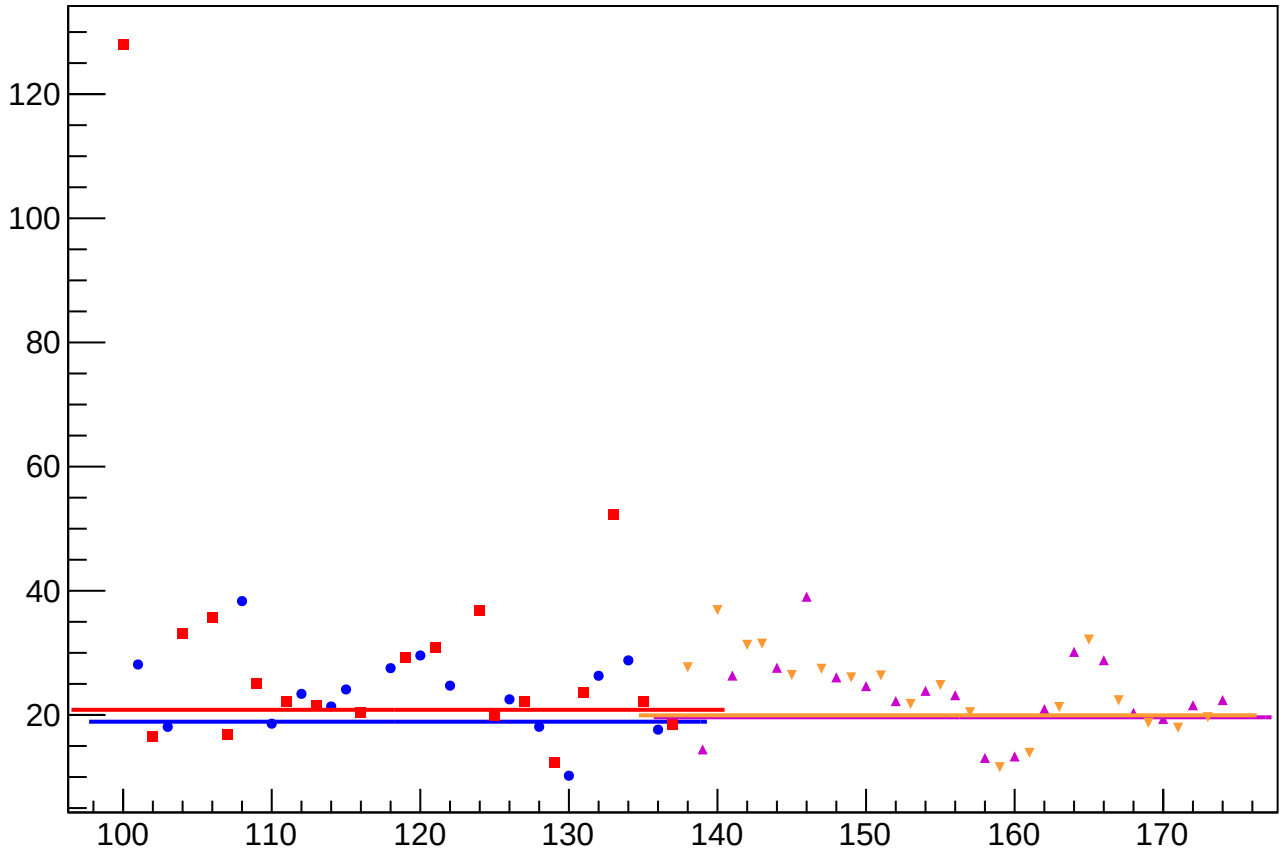
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.006+/-0.006 χ^2/NDF:18.7/17

+ sign 0.004+/-0.005 χ^2/NDF: 52.6/34

All: 0.007+/-0.003 χ^2/NDF: 86.1/71

- 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: 19.939+/-0.004 χ^2/NDF:2534059.0/18

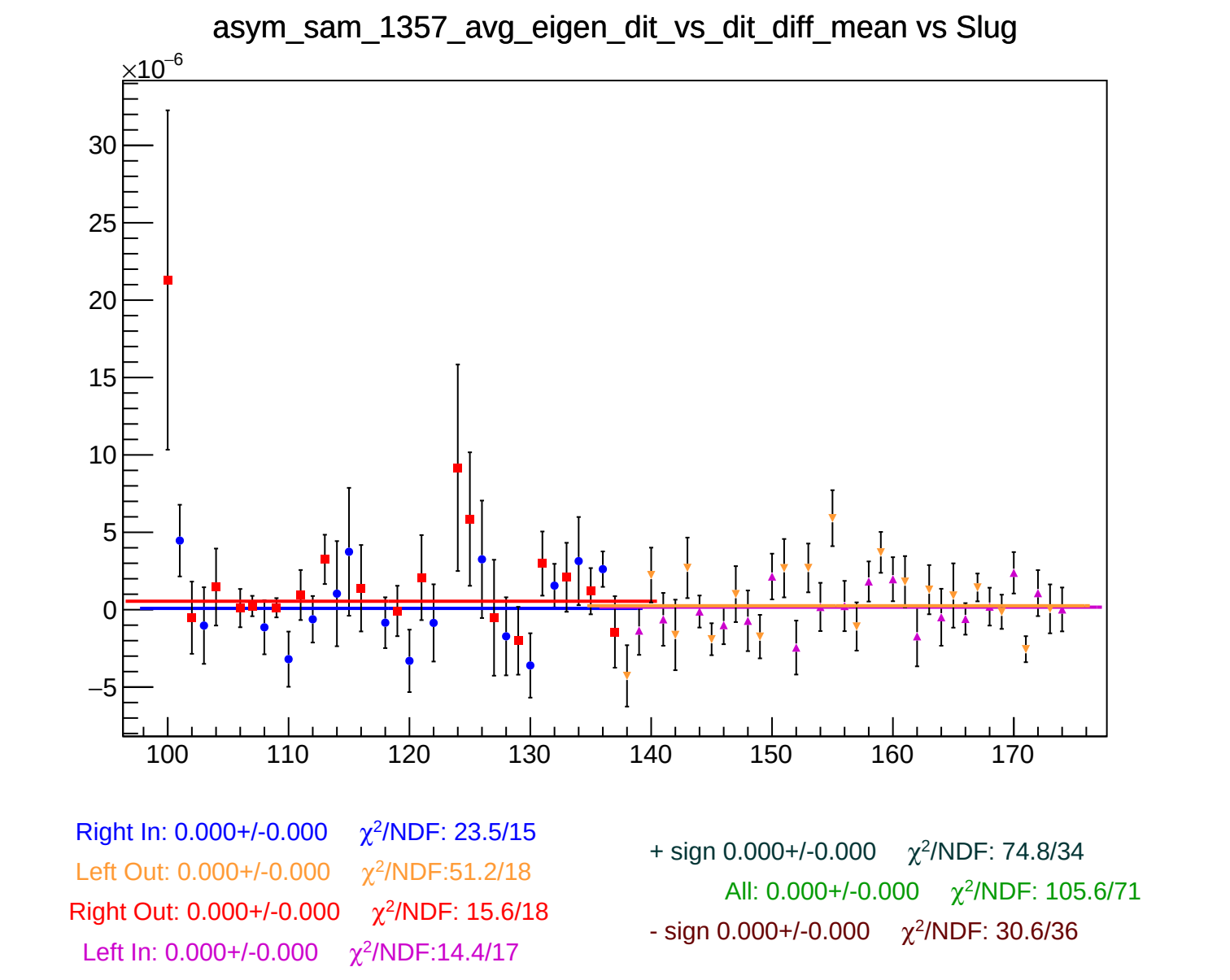
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.620+/-0.004 χ^2/NDF:2170157.4/17

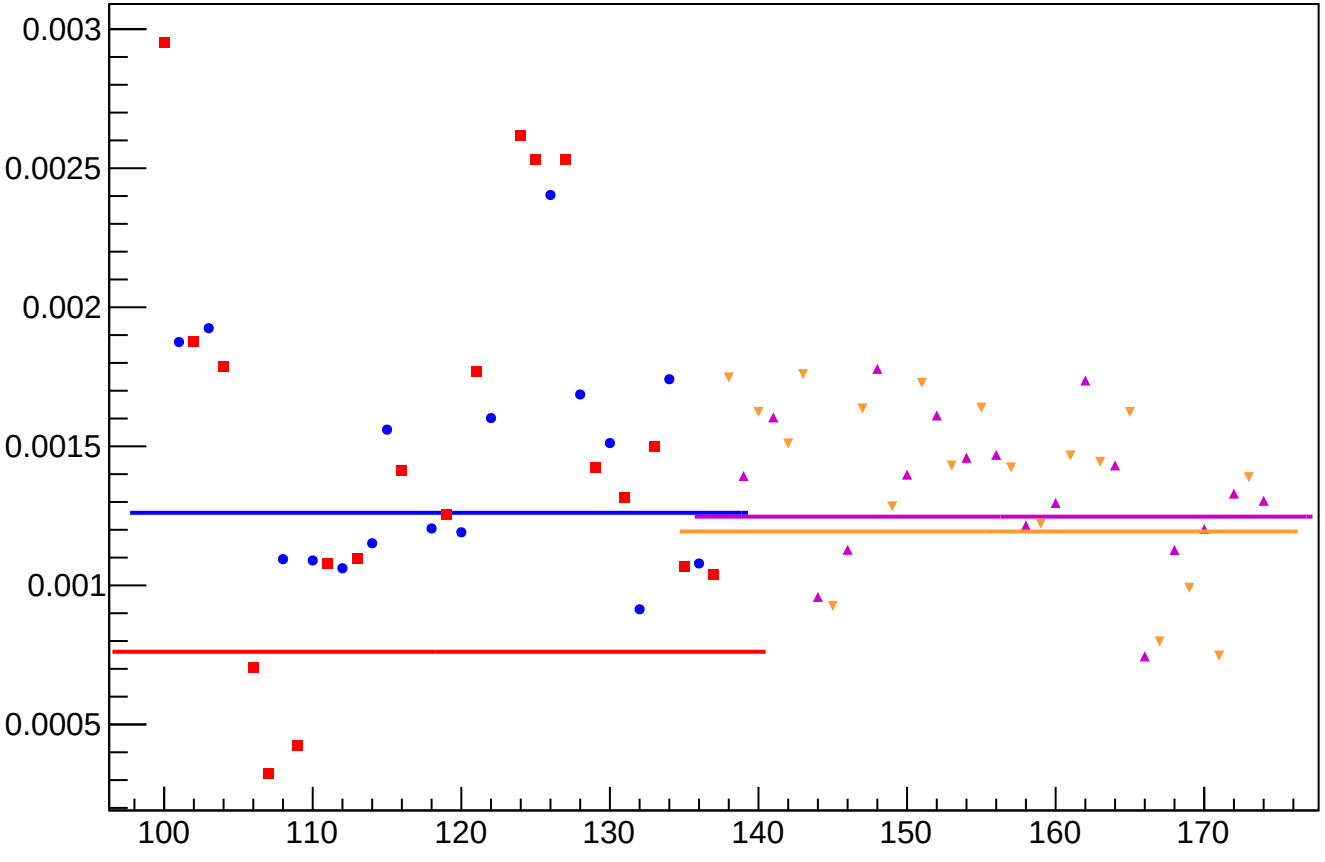
+ sign 19.589+/-0.003 χ^2/NDF: 3947270.6/34

All: 19.782+/-0.002 χ^2/NDF: 7444842.4/71

- 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:51.2/18
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: 74.8/34
All: 0.000+/-0.000 χ²/NDF: 105.6/71
- sign 0.000+/-0.000 χ²/NDF: 30.6/36

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:2353685.7/18

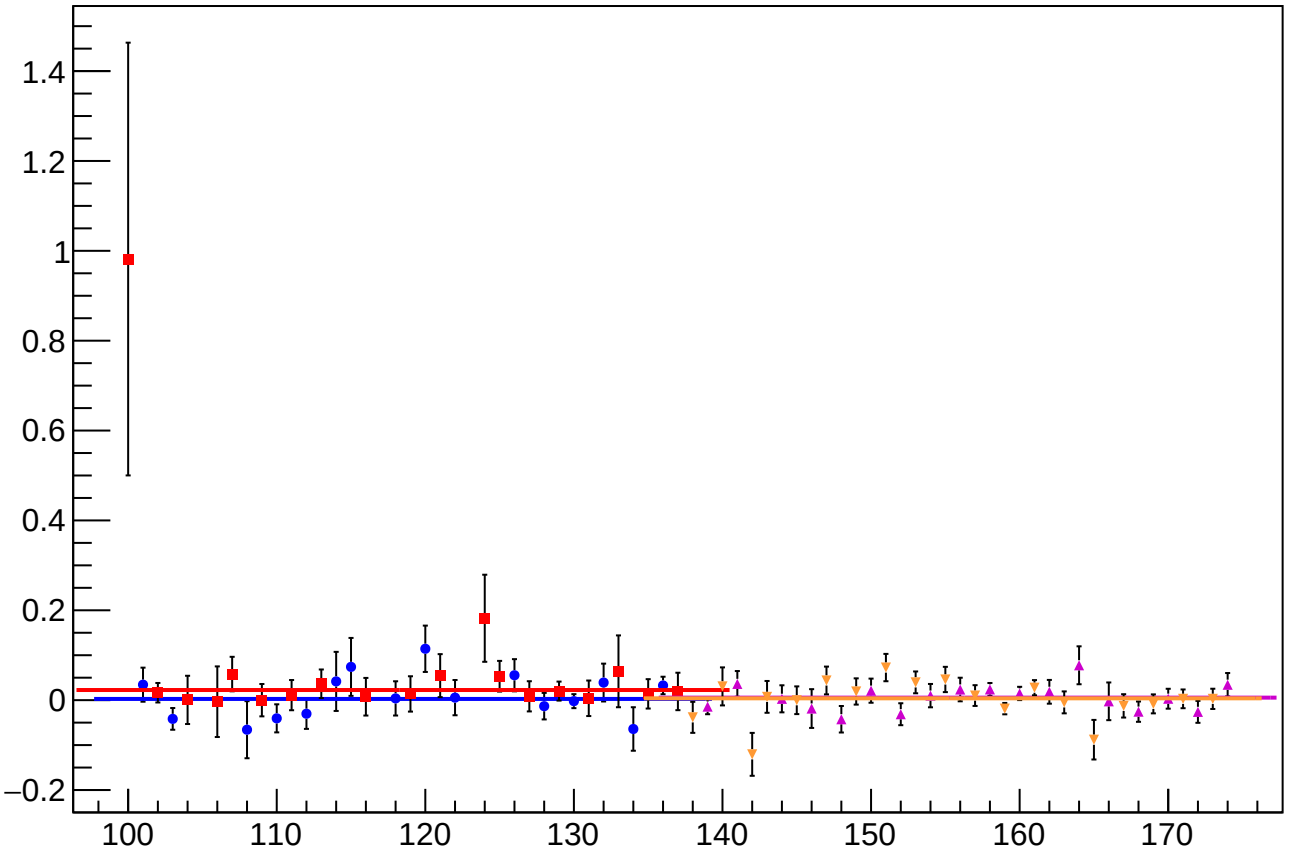
Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1276516.6/17

+ sign 0.001+/-0.000 χ^2/NDF: 3287523.1/34

All: 0.001+/-0.000 χ^2/NDF: 11990283.4/71

- sign 0.001+/-0.000 χ^2/NDF: 8039211.8/36



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.7/18

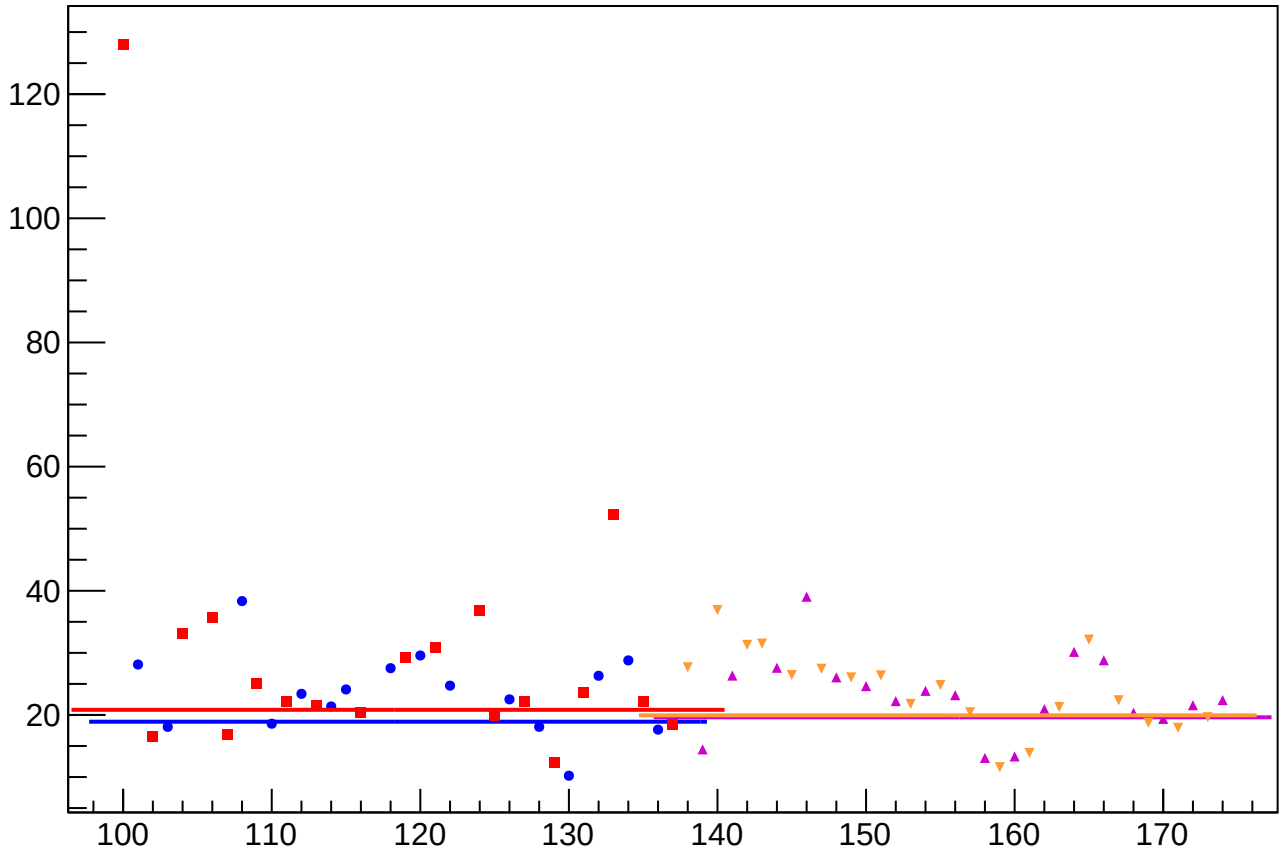
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.006+/-0.006 χ^2/NDF:18.7/17

+ sign 0.004+/-0.005 χ^2/NDF: 52.6/34

All: 0.007+/-0.003 χ^2/NDF: 86.1/71

- 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: 19.939+/-0.004 χ^2/NDF:2534257.5/18

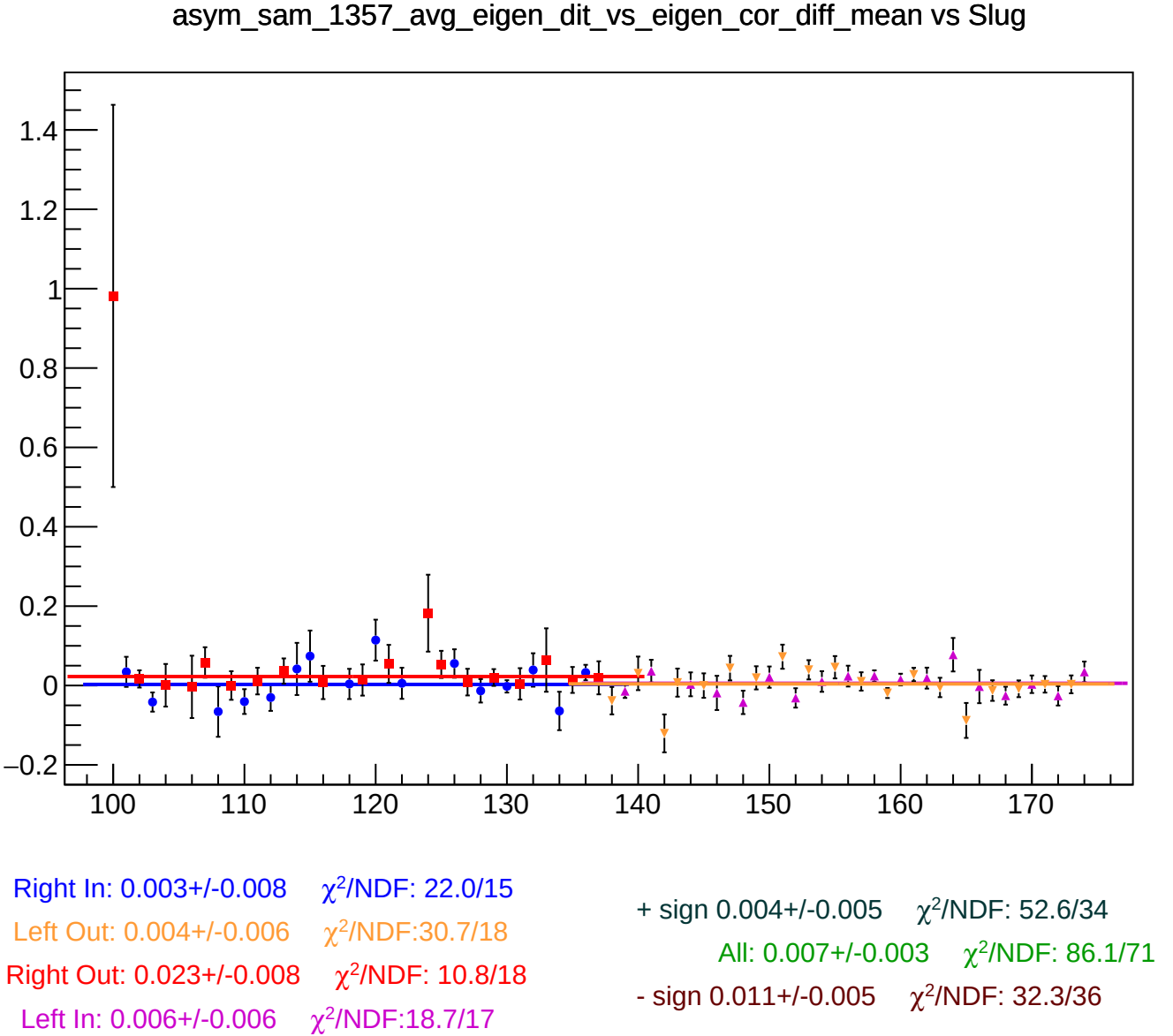
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

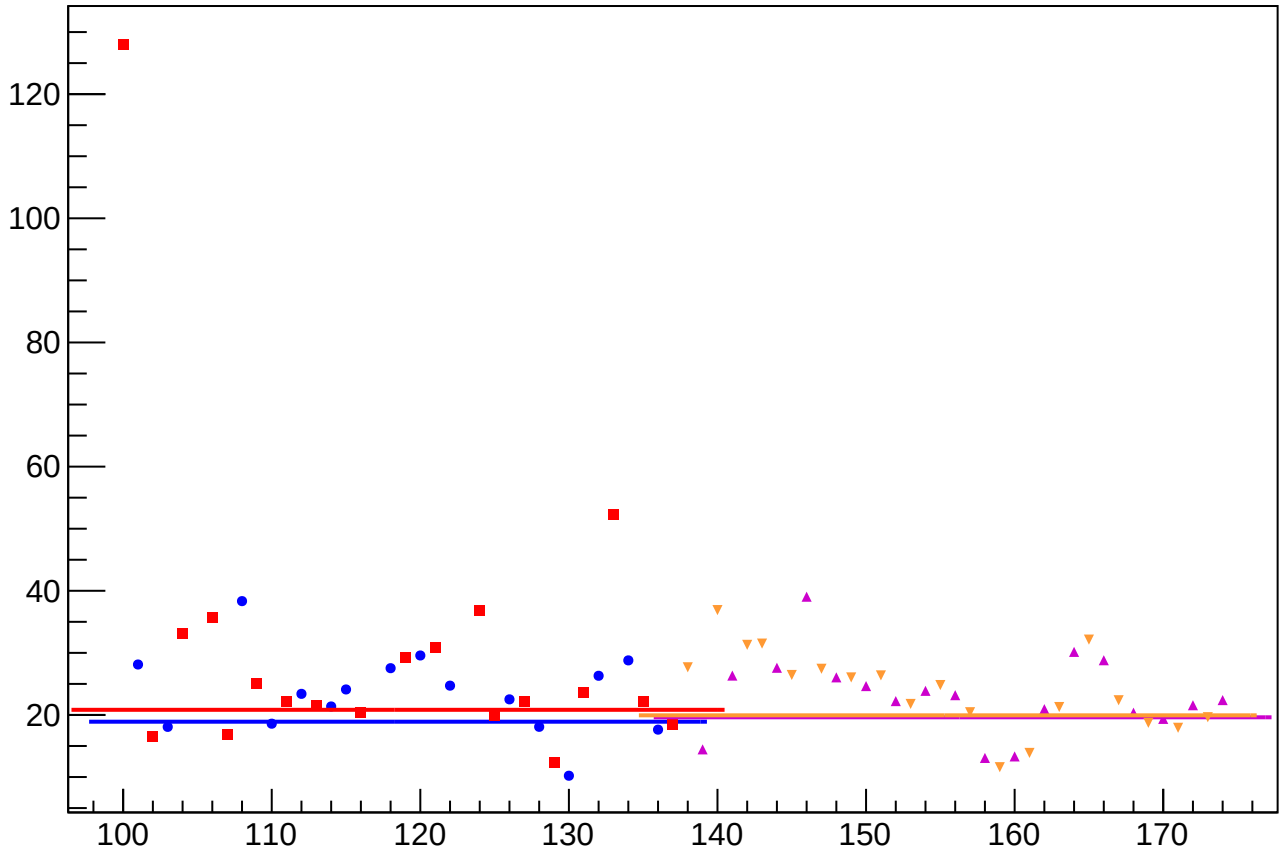
Left In: 19.620+/-0.004 χ^2/NDF:2170261.2/17

+ sign 19.589+/-0.003 χ^2/NDF: 3947337.6/34

All: 19.783+/-0.002 χ^2/NDF: 7445009.6/71

- sign 19.982+/-0.003 χ^2/NDF: 3490340.0/36


asym_sam_1357_avg_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
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.008 χ²/NDF: 22.0/15
Left Out: 0.004+/-0.006 χ²/NDF:30.7/18
Right Out: 0.023+/-0.008 χ²/NDF: 10.8/18
Left In: 0.006+/-0.006 χ²/NDF:18.7/17
+ sign 0.004+/-0.005 χ²/NDF: 52.6/34
All: 0.007+/-0.003 χ²/NDF: 86.1/71
- sign 0.011+/-0.005 χ²/NDF: 32.3/36



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 19.939+/-0.004 χ^2/NDF:2534257.5/18

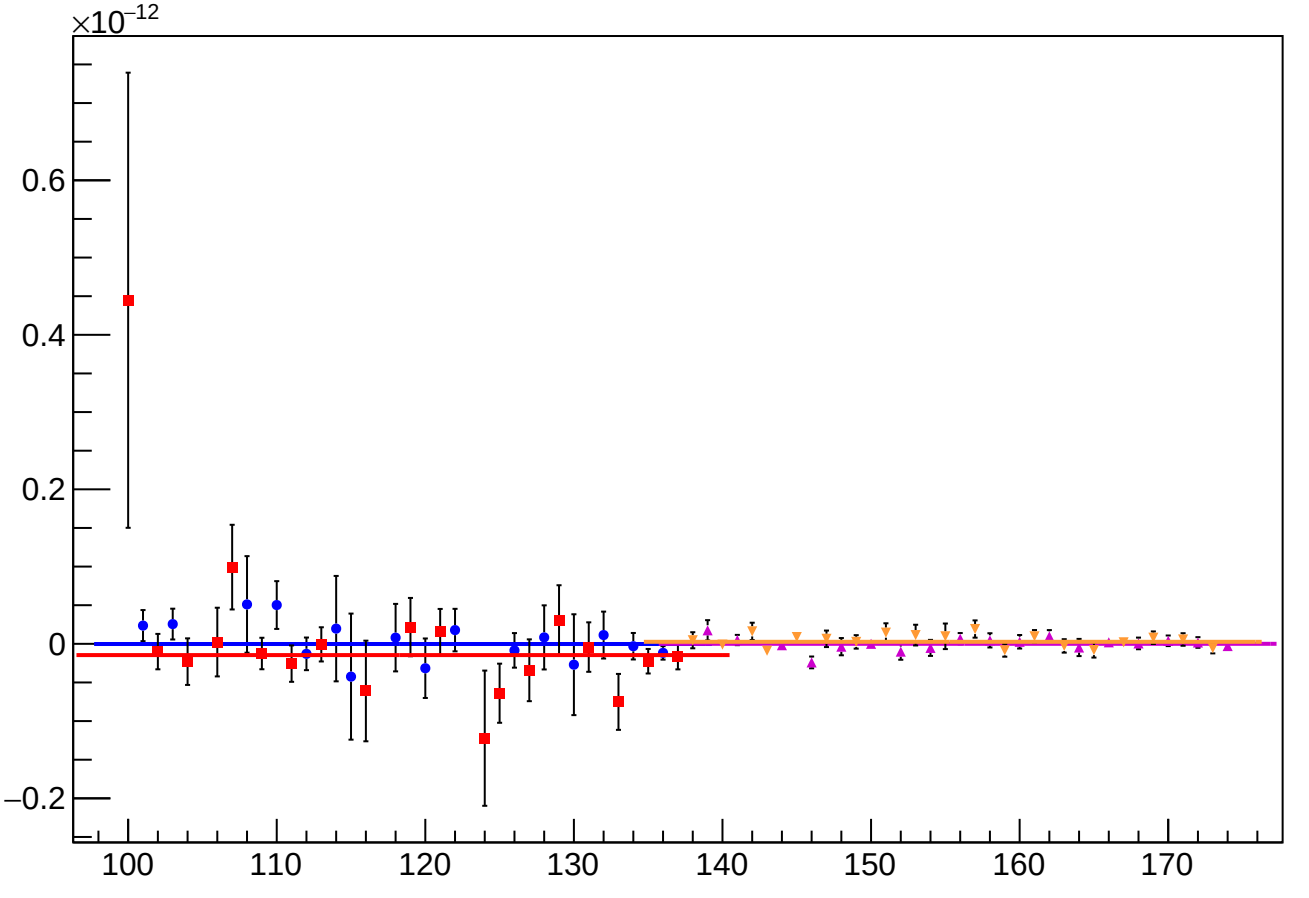
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.620+/-0.004 χ^2/NDF:2170261.2/17

+ sign 19.589+/-0.003 χ^2/NDF: 3947337.6/34

All: 19.783+/-0.002 χ^2/NDF: 7445009.6/71

- 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:16.8/18

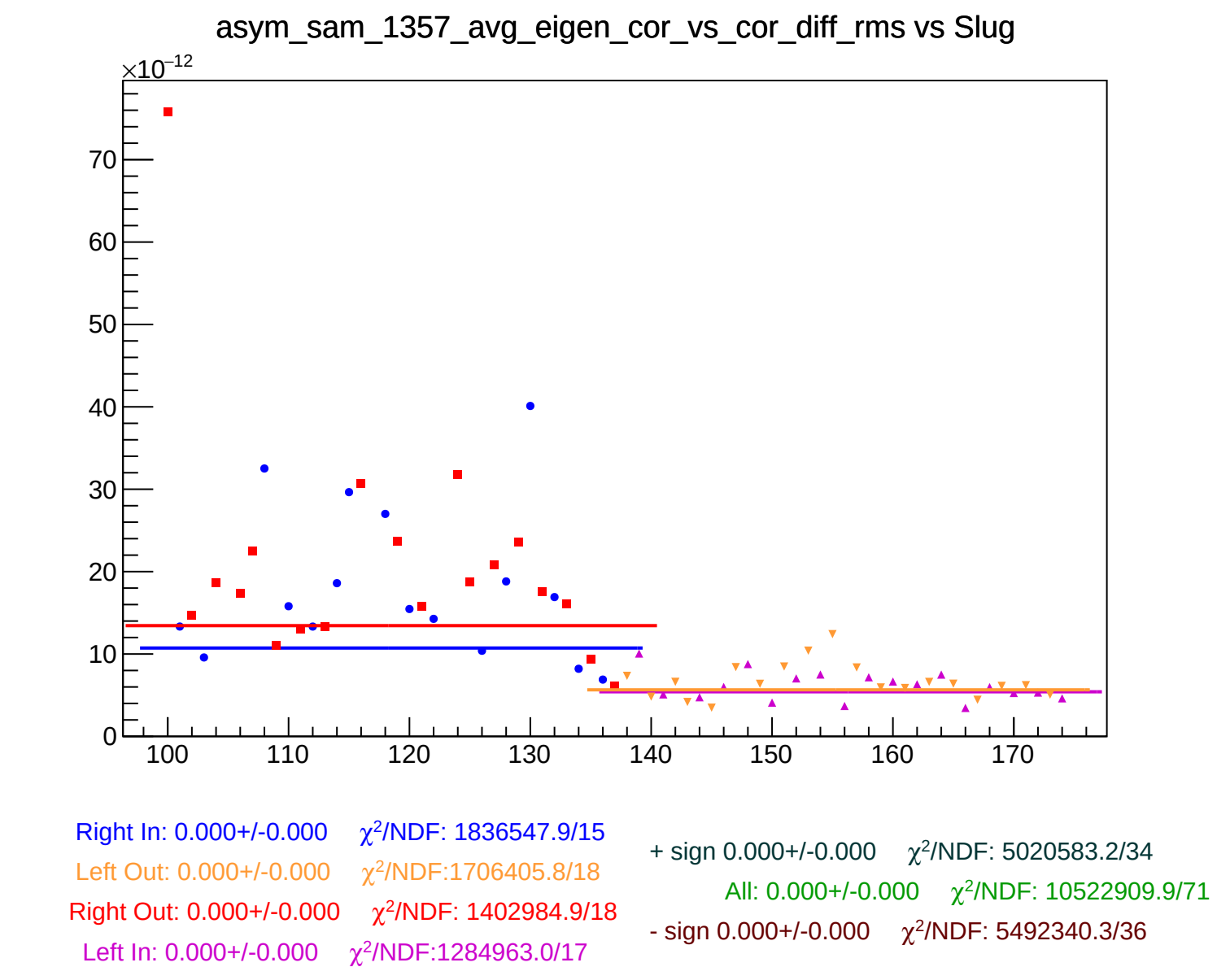
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:17.1/17

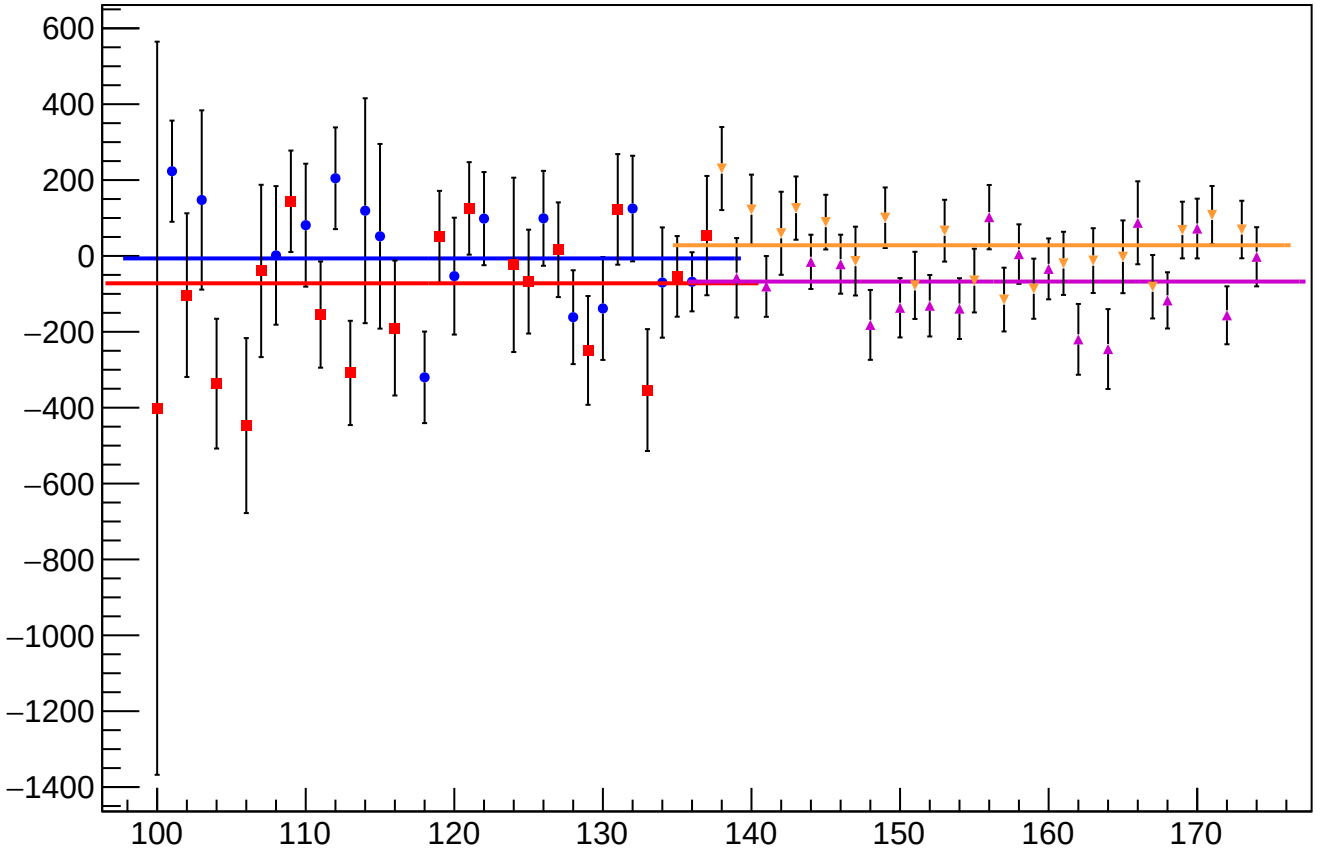
+ sign 0.000+/-0.000 χ^2/NDF: 27.5/34

All: 0.000+/-0.000 χ^2/NDF: 68.7/71

- 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:1706405.8/18
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: 5020583.2/34
All: 0.000+/-0.000 χ²/NDF: 10522909.9/71
- 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: 28.166+/-19.323 χ^2/NDF:19.6/18

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

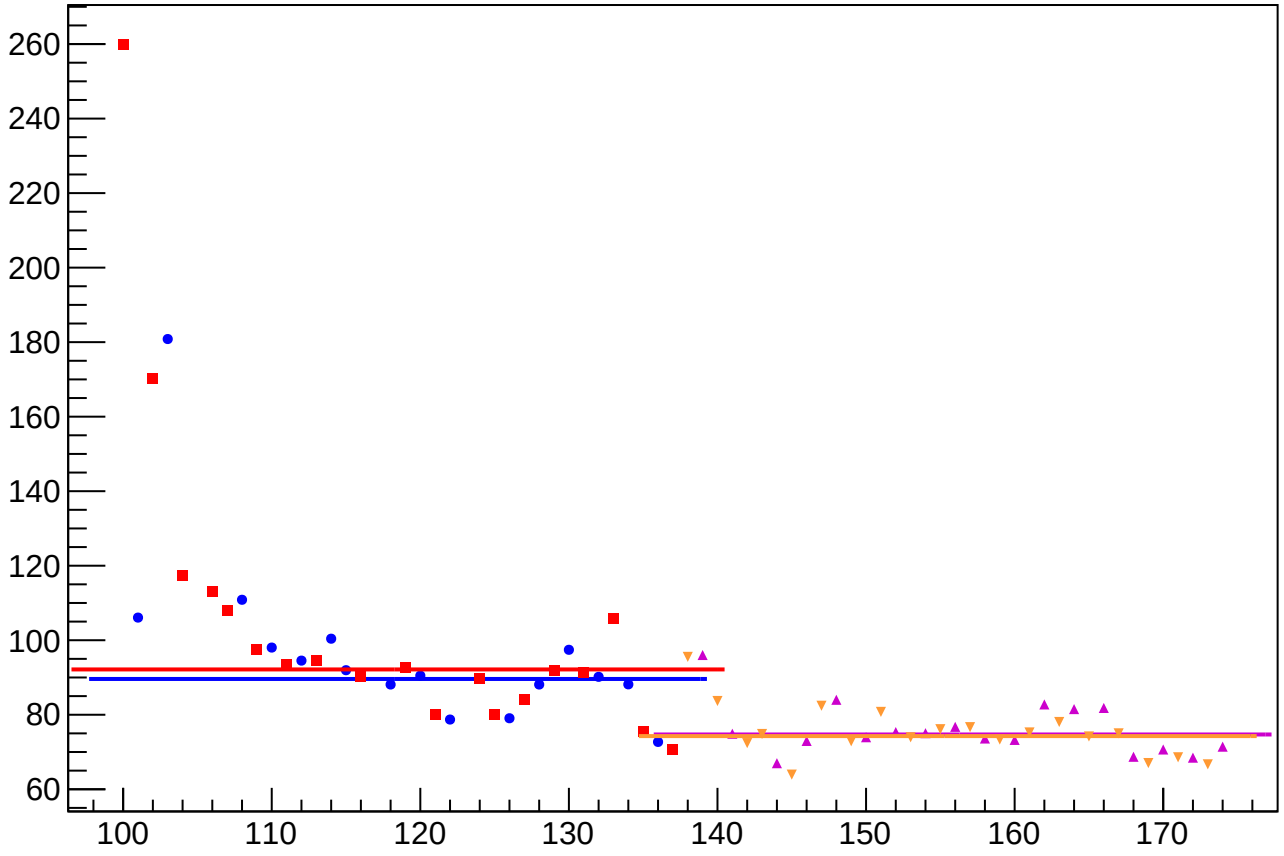
Left In: -67.533+/-19.526 χ^2/NDF:22.9/17

+ sign 19.795+/-16.834 χ^2/NDF: 39.3/34

All: -23.882+/-11.975 χ^2/NDF: 98.6/71

- 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: 74.269+/-0.014 χ^2/NDF:222842.2/18

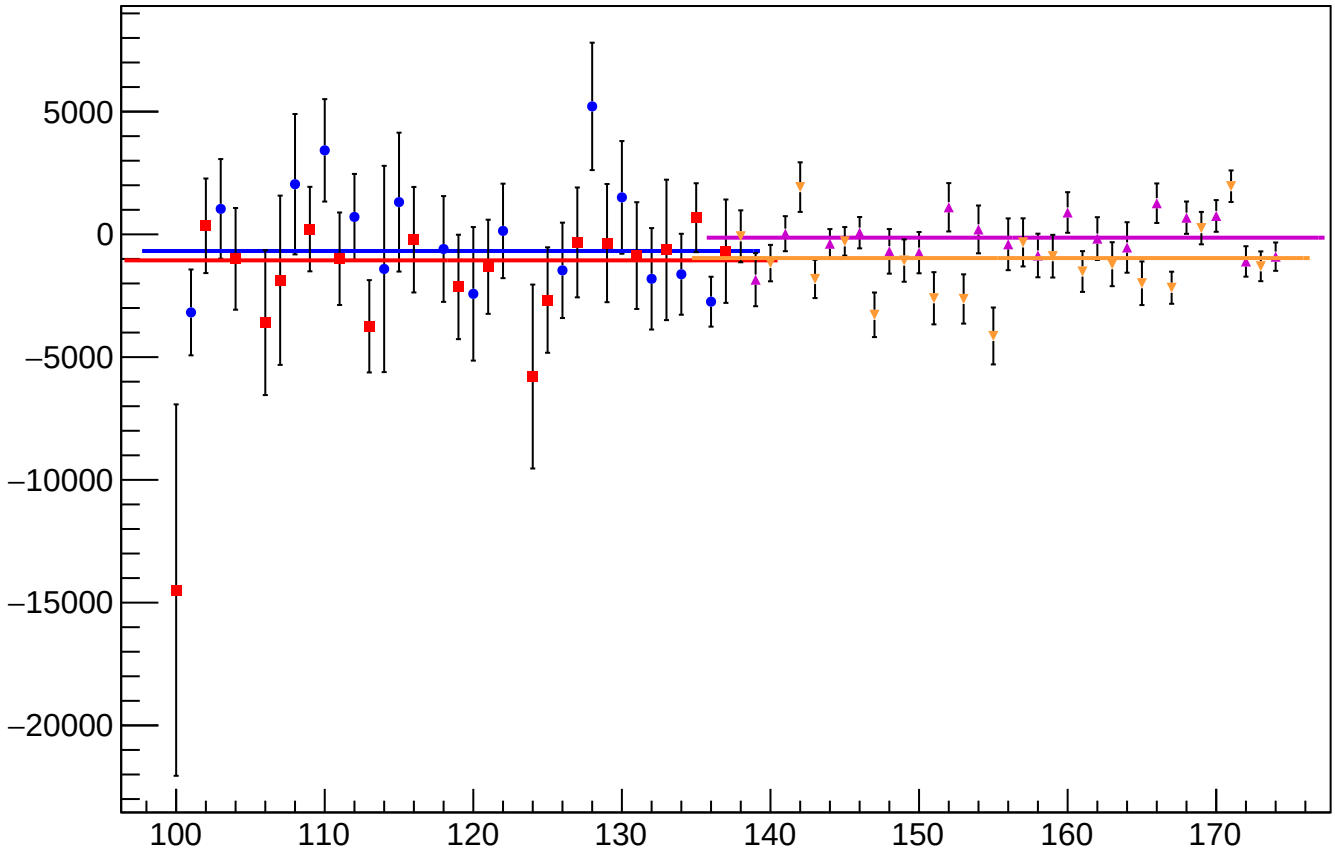
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 74.703+/-0.014 χ^2/NDF:197212.0/17

+ sign 77.966+/-0.012 χ^2/NDF: 1024852.7/34

All: 78.411+/-0.008 χ^2/NDF: 2148412.6/71

- 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: -965.968+/-183.870 χ^2/NDF:60.9/18

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

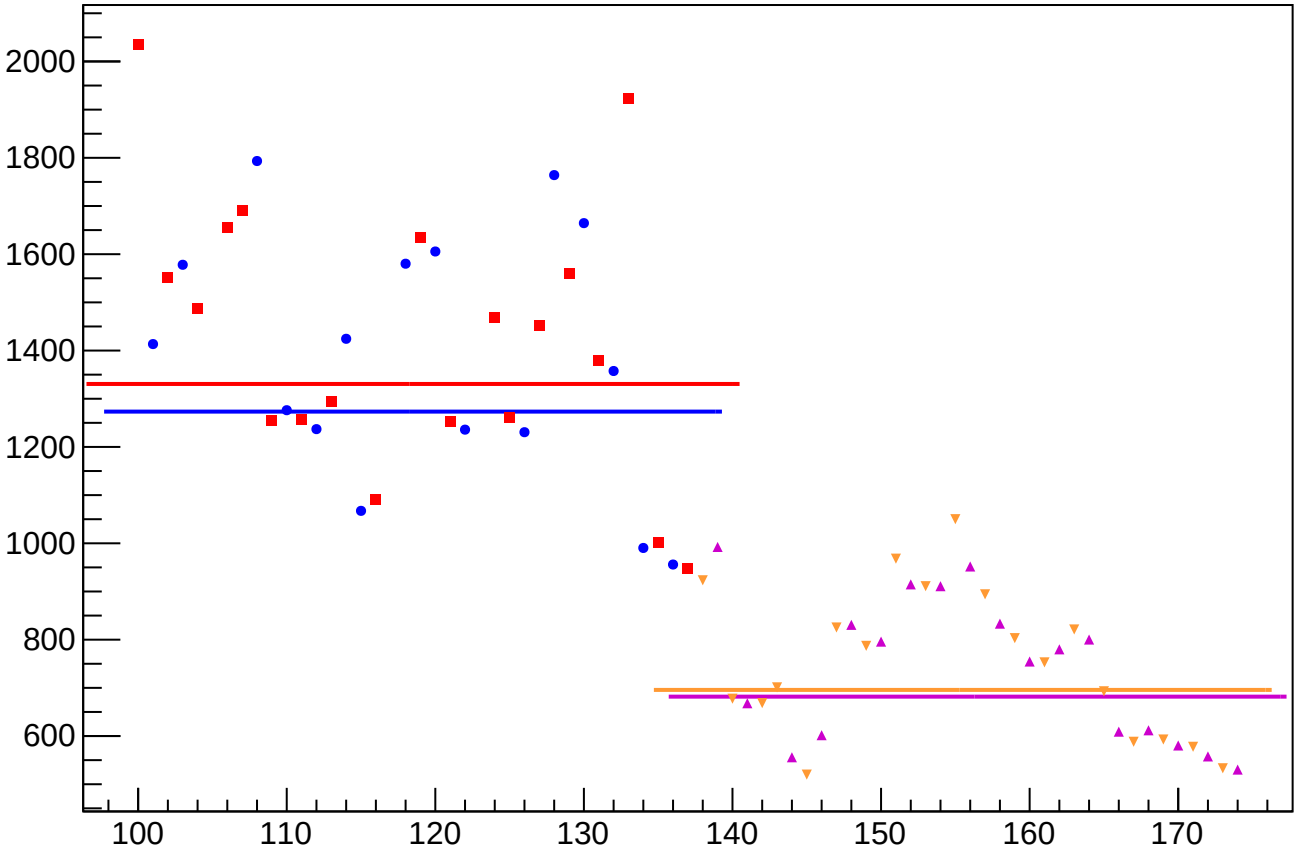
Left In: -135.098+/-180.909 χ^2/NDF:18.5/17

+ sign -929.895+/-171.995 χ^2/NDF: 81.4/34

All: -582.589+/-120.897 χ^2/NDF: 122.5/71

- 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: 695.746+/-0.130 χ^2/NDF:1226457.9/18

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

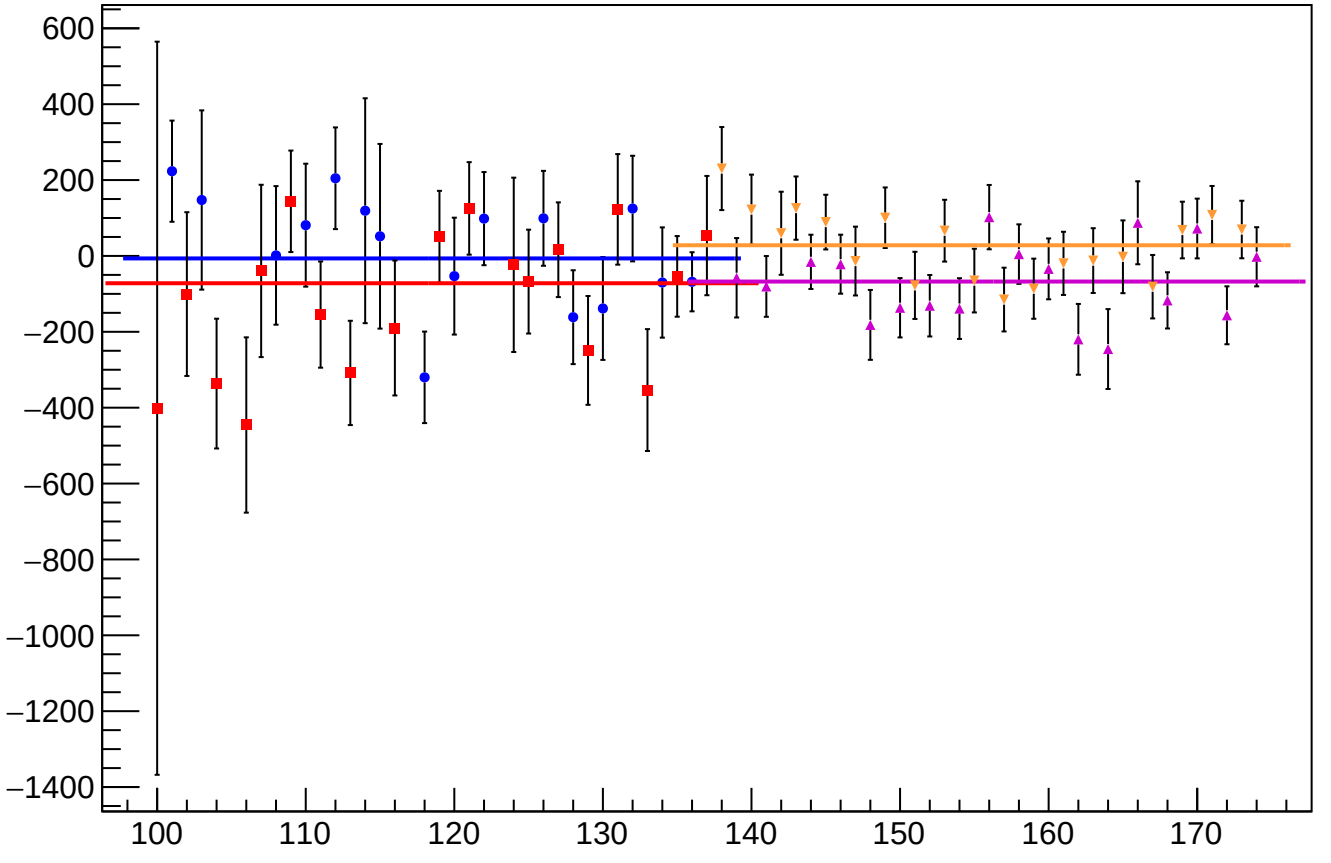
Left In: 681.773+/-0.128 χ^2/NDF:1163084.8/17

+ sign 767.942+/-0.122 χ^2/NDF: 4290764.8/34

All: 762.845+/-0.085 χ^2/NDF: 8945567.6/71

- 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: 28.168+/-19.323 χ^2/NDF:19.6/18

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

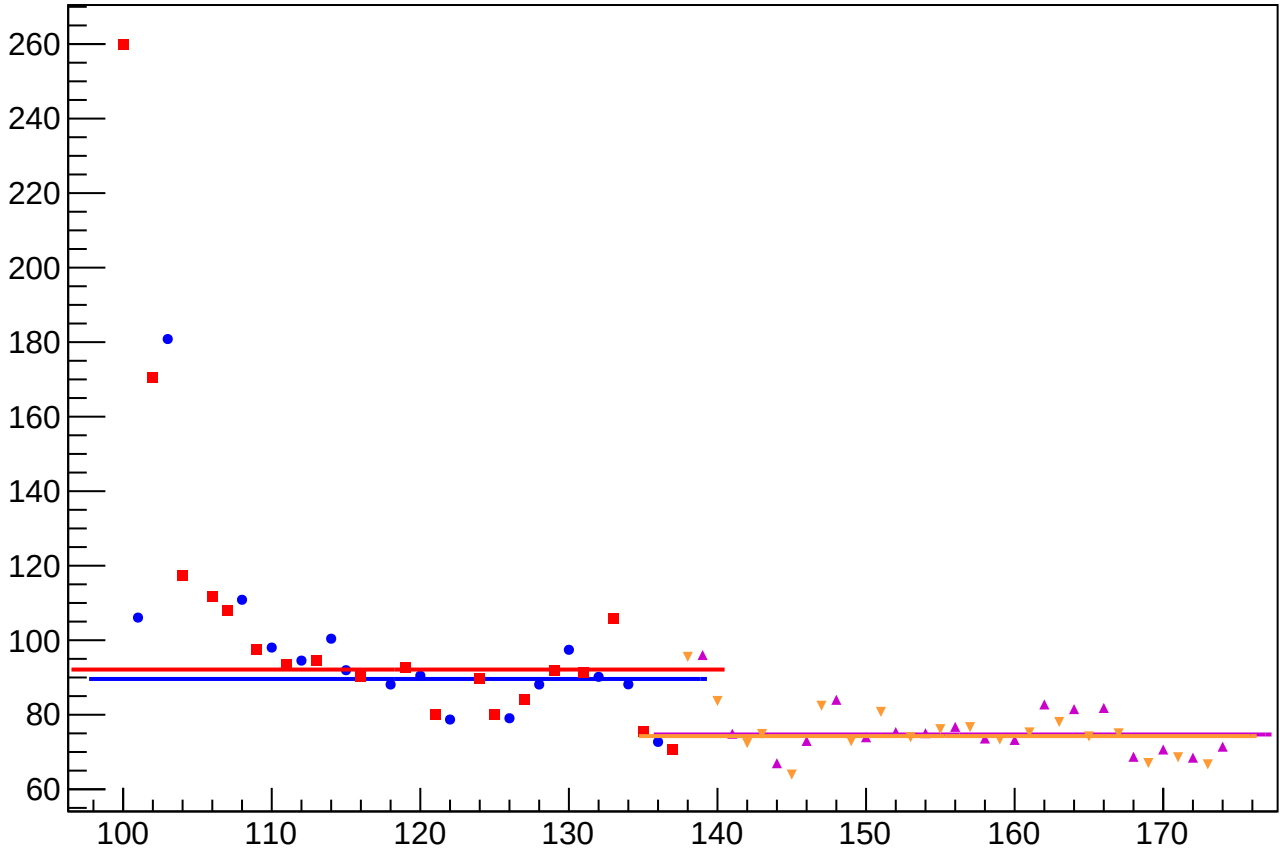
Left In: -67.532+/-19.526 χ^2/NDF:22.9/17

+ sign 19.795+/-16.834 χ^2/NDF: 39.3/34

All: -23.864+/-11.975 χ^2/NDF: 98.5/71

- 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: 74.269+/-0.014 χ^2/NDF:222842.2/18

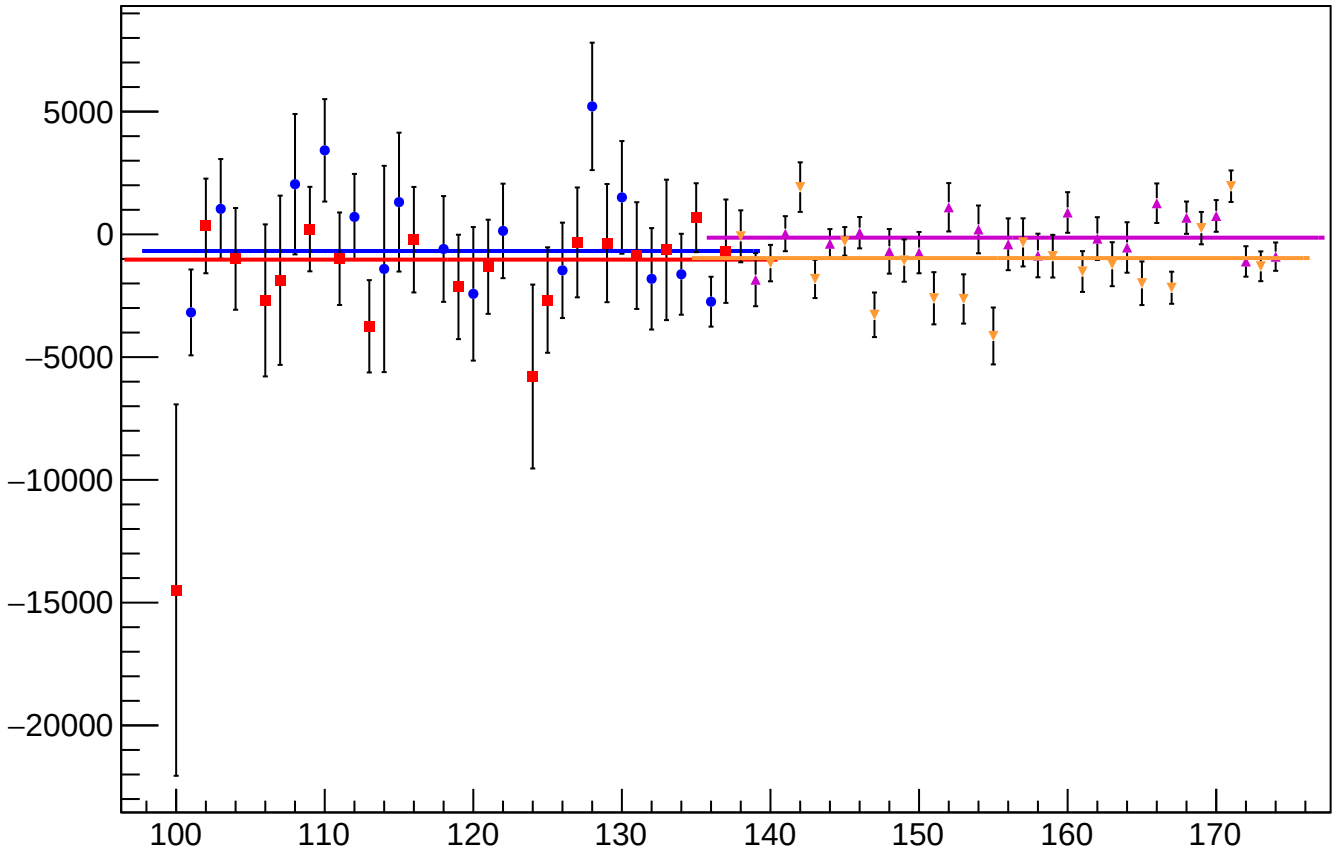
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 74.703+/-0.014 χ^2/NDF:197212.0/17

+ sign 77.966+/-0.012 χ^2/NDF: 1024856.1/34

All: 78.408+/-0.008 χ^2/NDF: 2145180.6/71

- 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: -965.963+/-183.870 χ^2/NDF:60.9/18

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

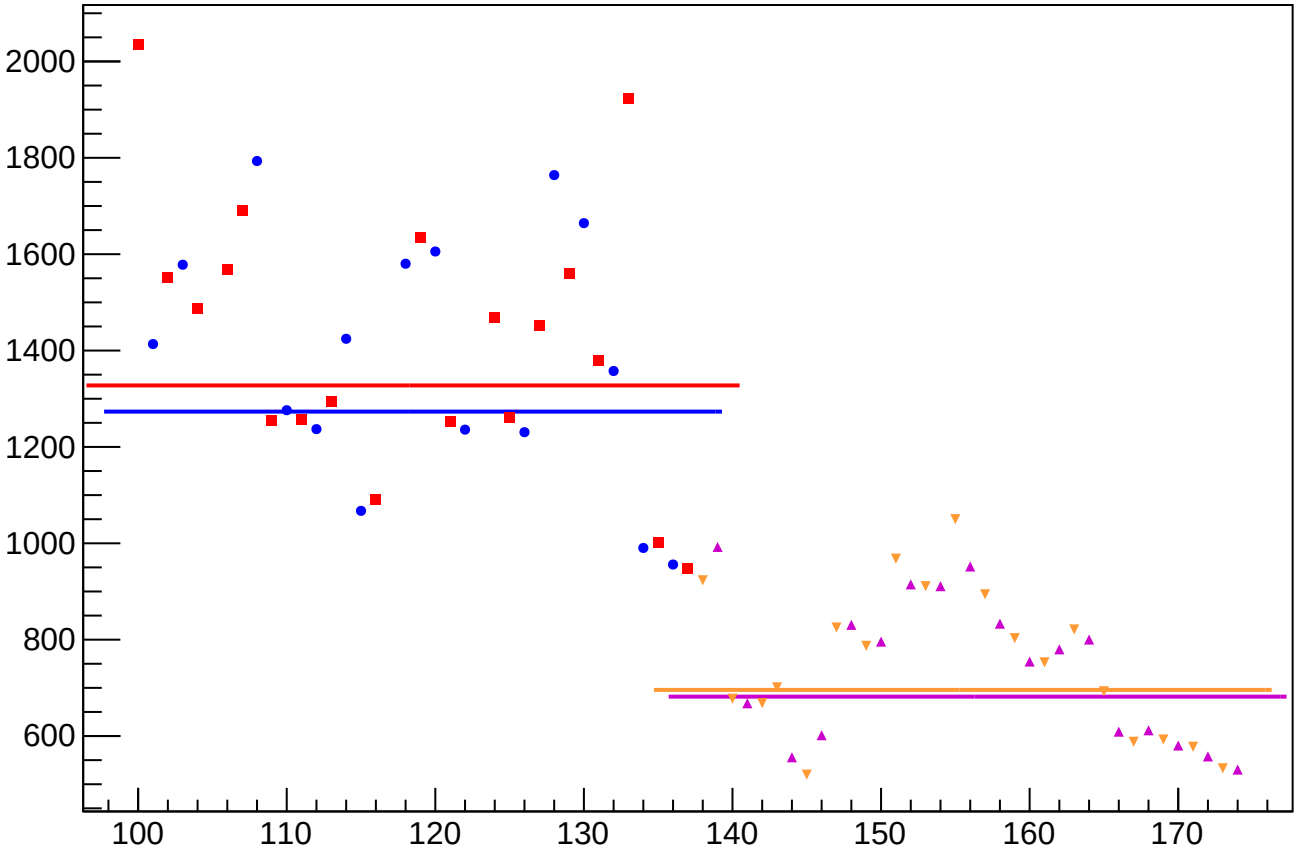
Left In: -135.099+/-180.909 χ^2/NDF:18.5/17

+ sign -929.886+/-171.995 χ^2/NDF: 81.4/34

All: -580.772+/-120.906 χ^2/NDF: 121.9/71

- 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: 695.745+/-0.130 χ^2/NDF:1226461.2/18

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

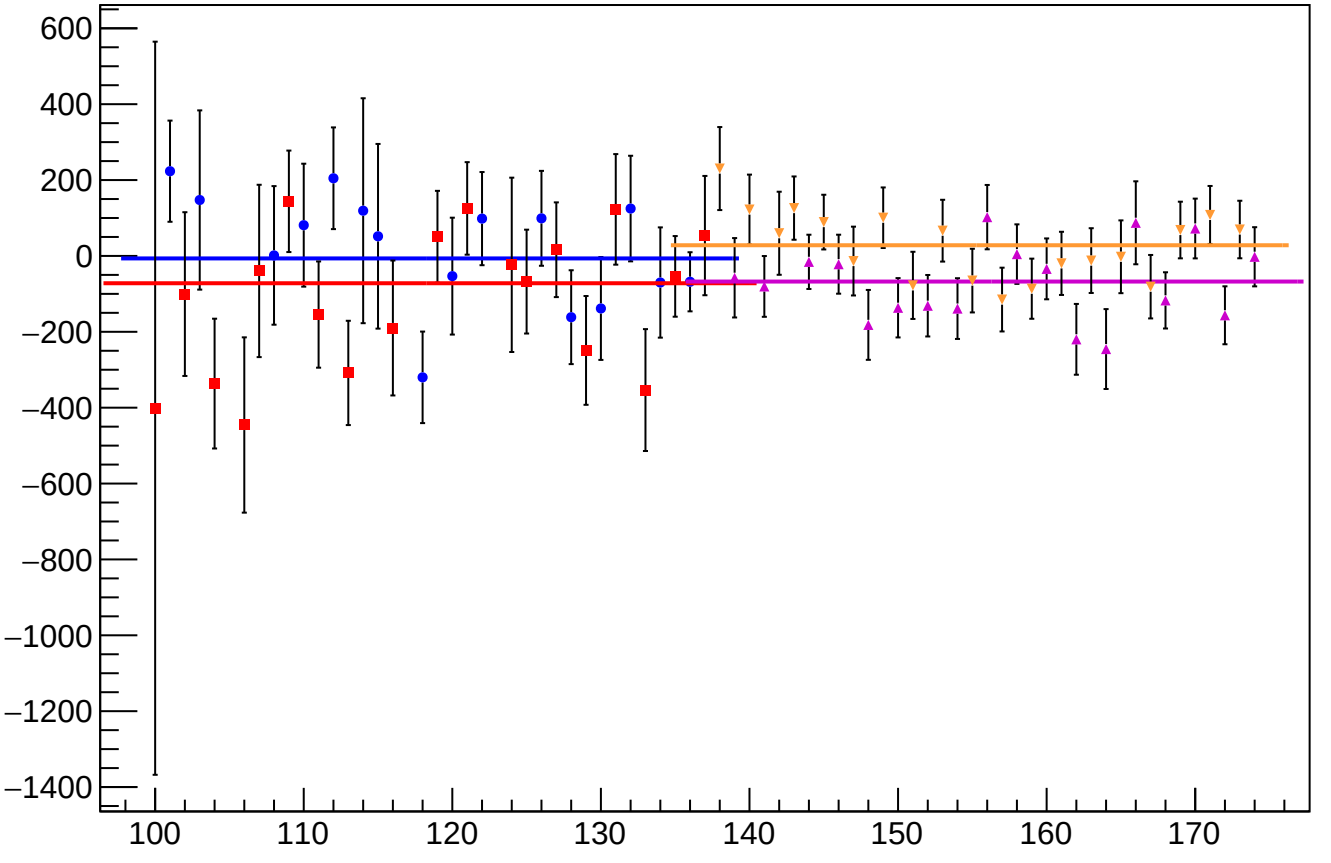
Left In: 681.773+/-0.128 χ^2/NDF:1163083.3/17

+ sign 767.941+/-0.122 χ^2/NDF: 4290810.6/34

All: 762.576+/-0.085 χ^2/NDF: 8898634.2/71

- 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: 28.168+/-19.323 χ^2/NDF:19.6/18

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

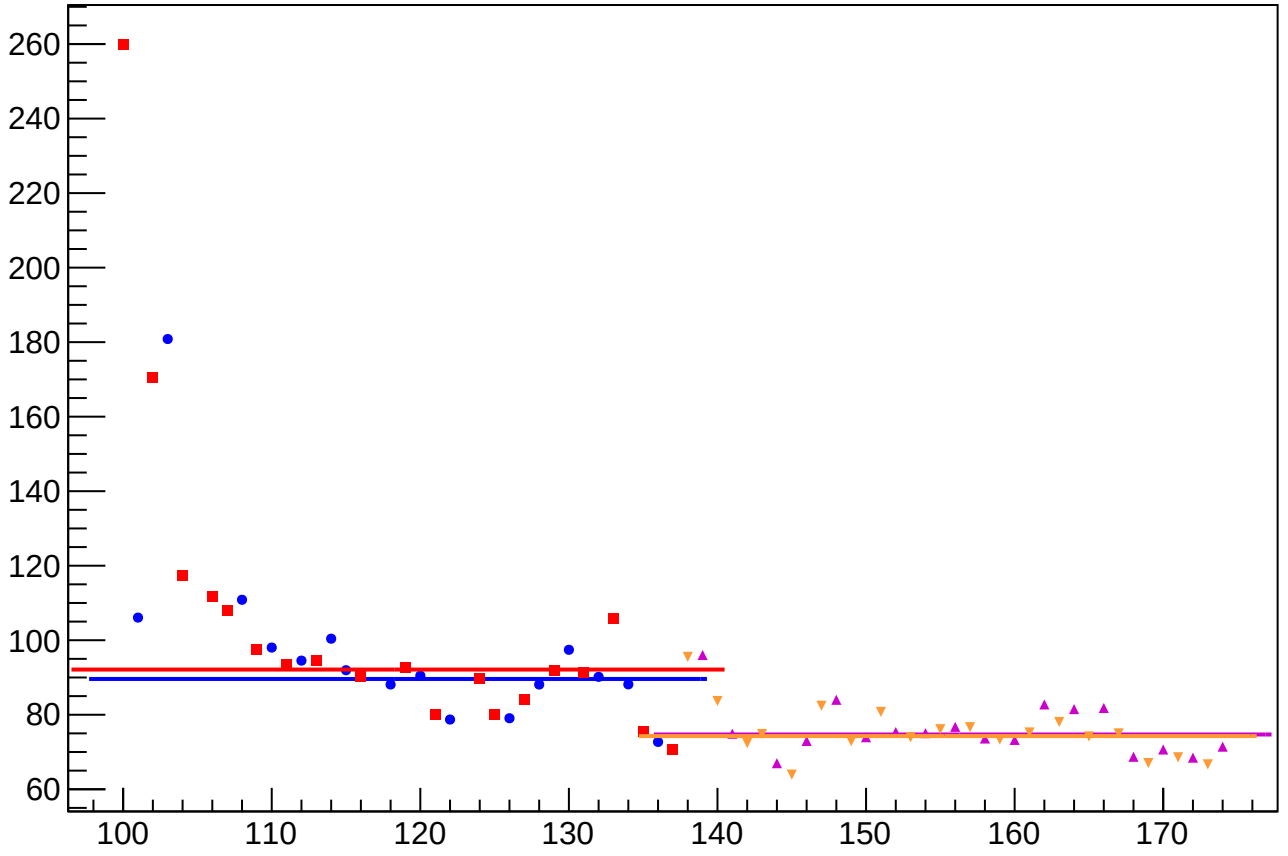
Left In: -67.532+/-19.526 χ^2/NDF:22.9/17

+ sign 19.795+/-16.834 χ^2/NDF: 39.3/34

All: -23.864+/-11.975 χ^2/NDF: 98.5/71

- 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: 74.269+/-0.014 χ^2/NDF:222842.2/18

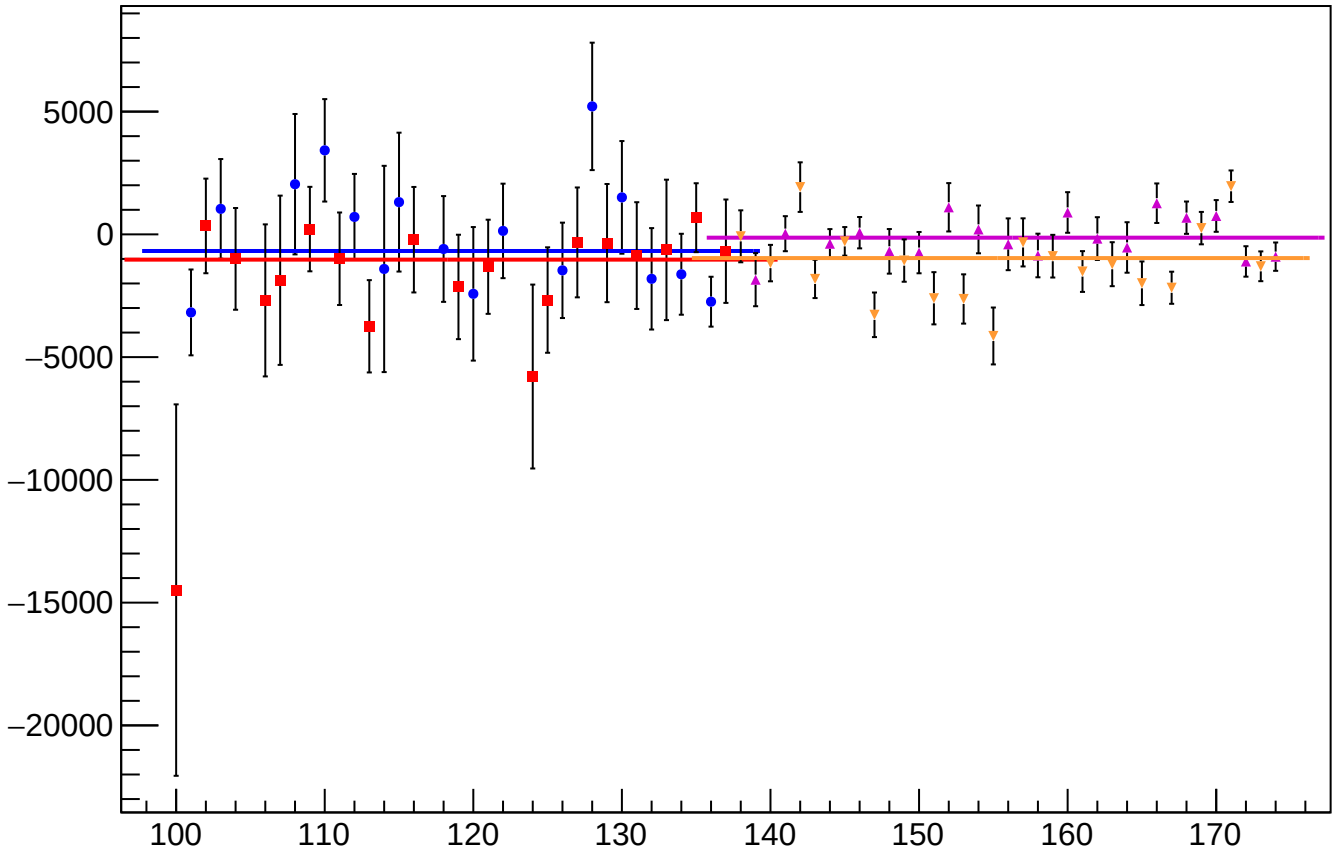
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 74.703+/-0.014 χ^2/NDF:197212.0/17

+ sign 77.966+/-0.012 χ^2/NDF: 1024856.1/34

All: 78.408+/-0.008 χ^2/NDF: 2145180.6/71

- 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: -965.963+/-183.870 χ^2/NDF:60.9/18

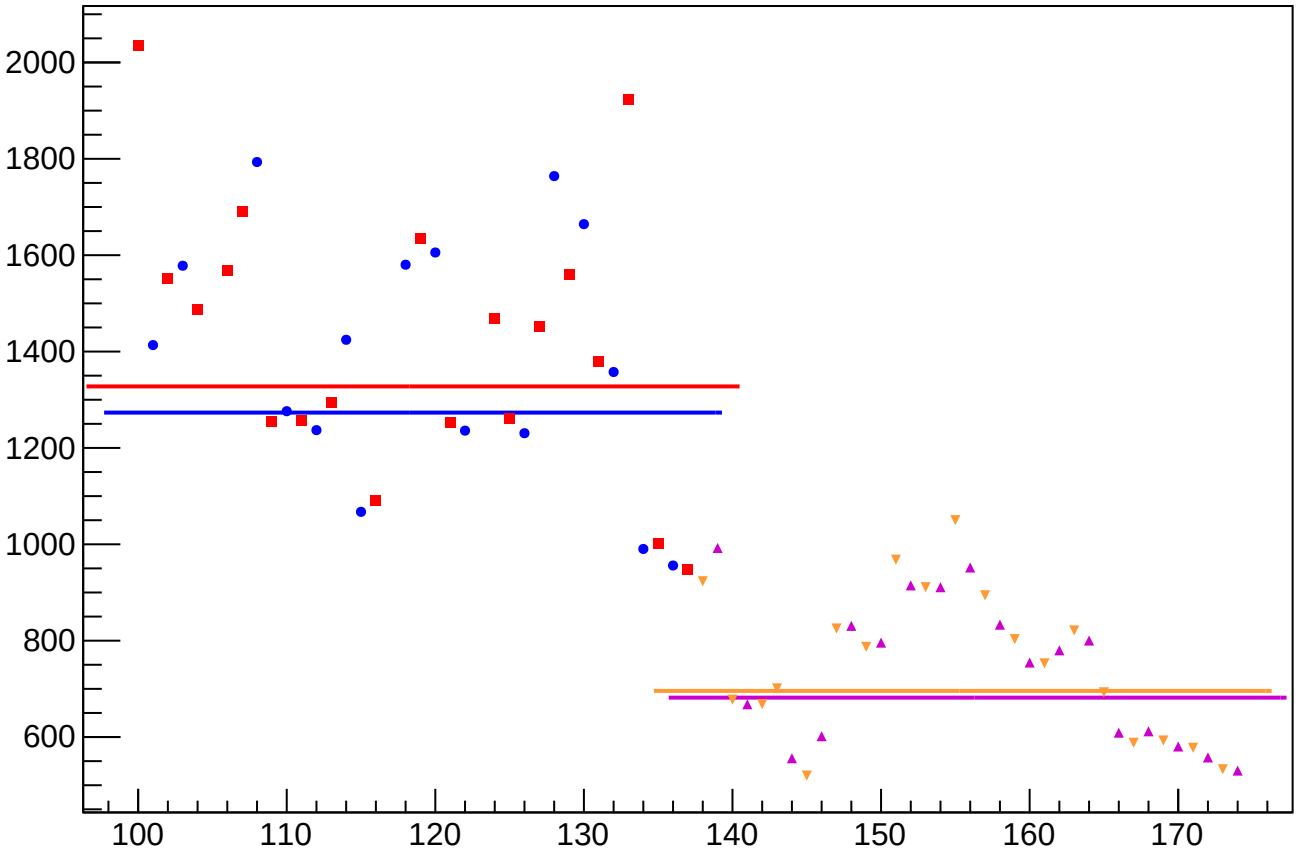
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -135.099+/-180.909 χ^2/NDF:18.5/17

+ sign -929.886+/-171.995 χ^2/NDF: 81.4/34

All: -580.772+/-120.906 χ^2/NDF: 121.9/71

- 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: 695.745+/-0.130 χ^2/NDF:1226461.2/18

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

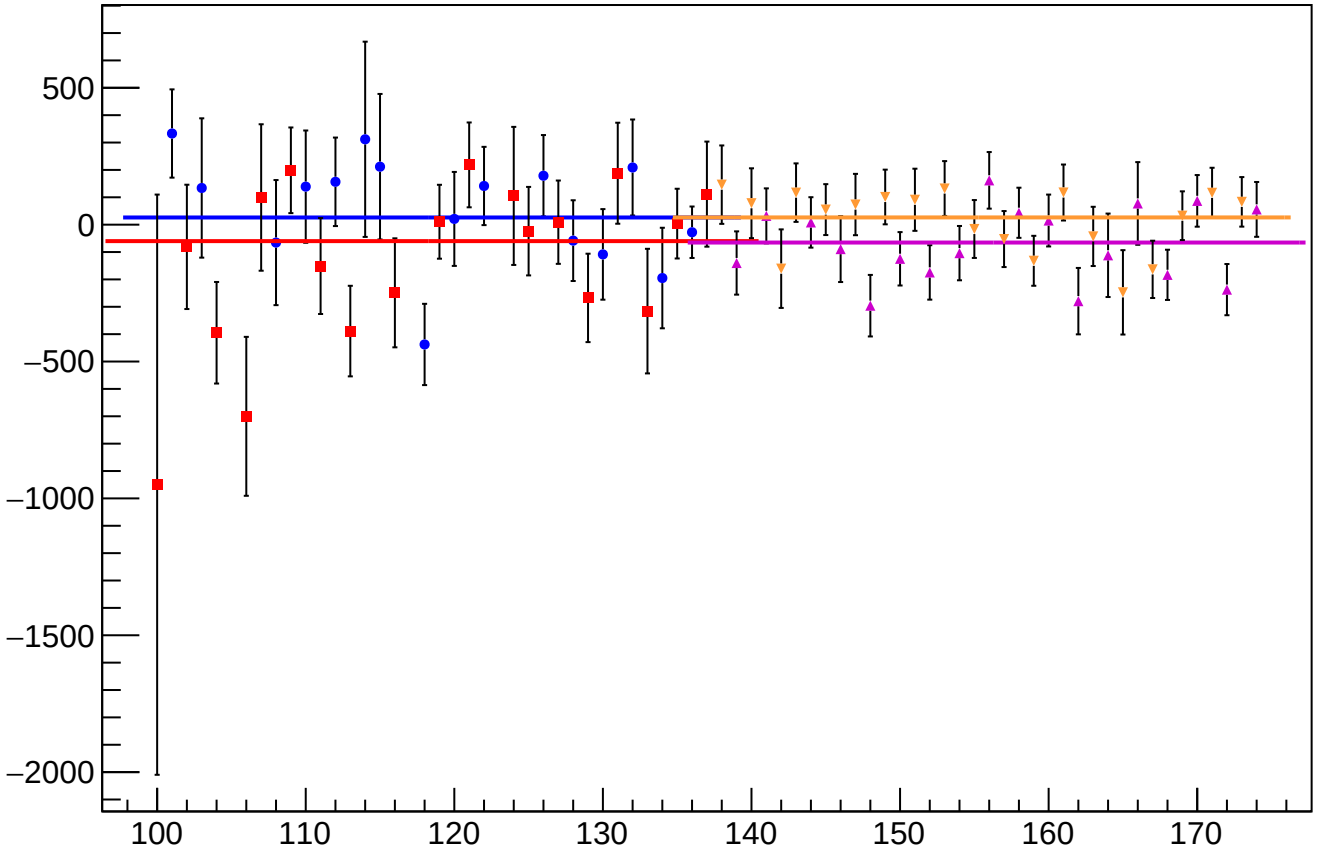
Left In: 681.773+/-0.128 χ^2/NDF:1163083.3/17

+ sign 767.941+/-0.122 χ^2/NDF: 4290810.6/34

All: 762.576+/-0.085 χ^2/NDF: 8898634.2/71

- 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: 26.442+/-24.206 χ^2/NDF:18.3/18

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

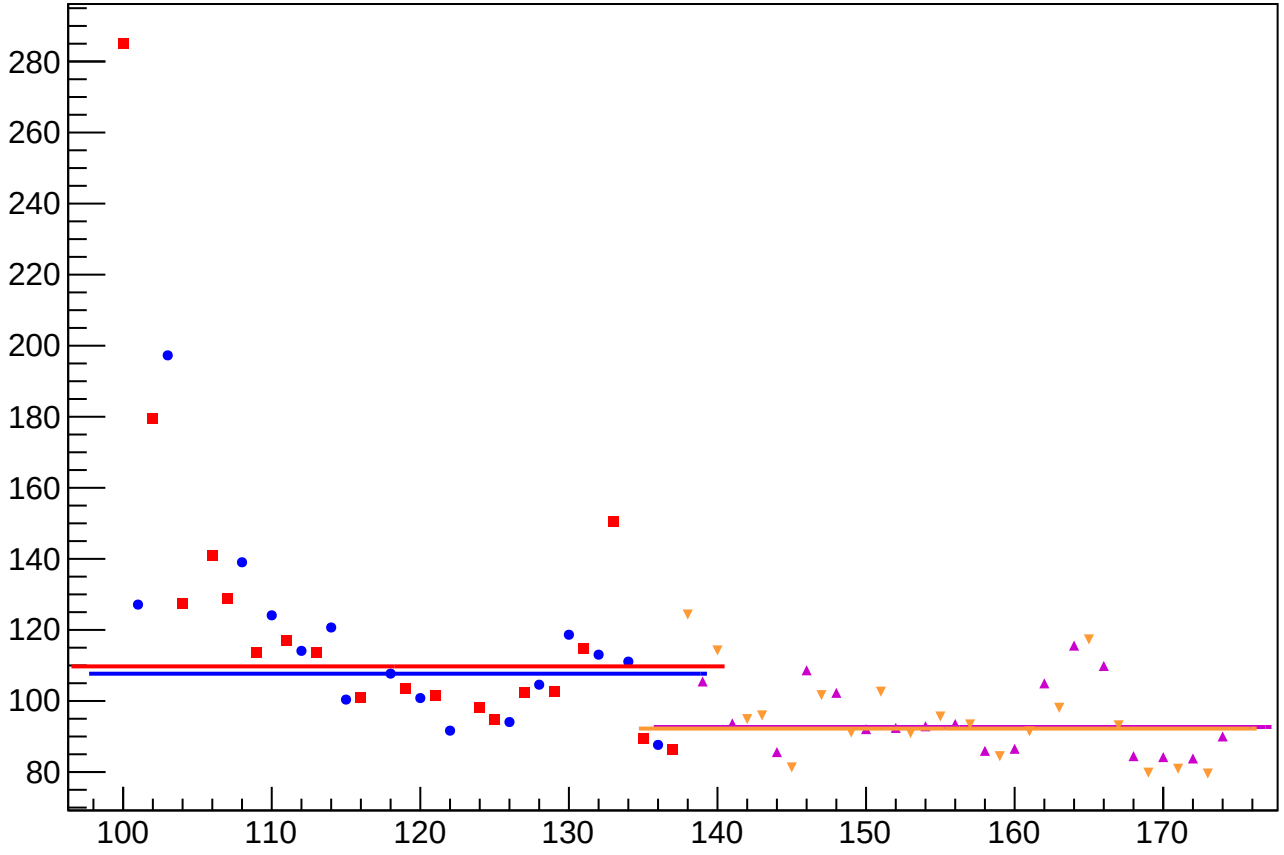
Left In: -65.315+/-24.455 χ^2/NDF:28.1/17

+ sign 26.393+/-20.873 χ^2/NDF: 39.7/34

All: -18.363+/-14.830 χ^2/NDF: 104.1/71

- 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: 92.232+/-0.017 χ^2/NDF:406702.6/18

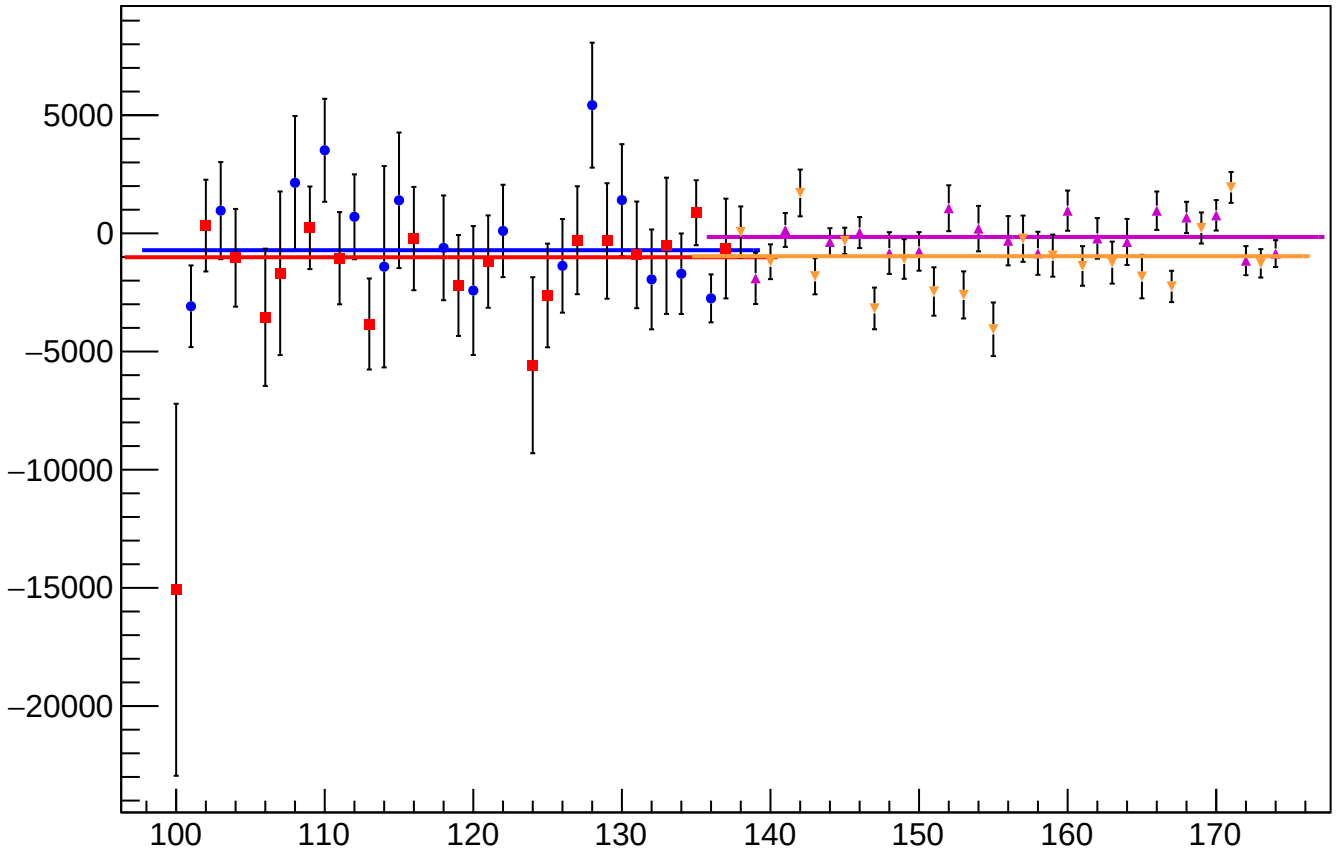
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 92.677+/-0.017 χ^2/NDF:248737.8/17

+ sign 96.193+/-0.015 χ^2/NDF: 1098690.3/34

All: 96.628+/-0.010 χ^2/NDF: 2091651.9/71

- 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: -966.623+/-182.673 χ^2/NDF:58.3/18

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

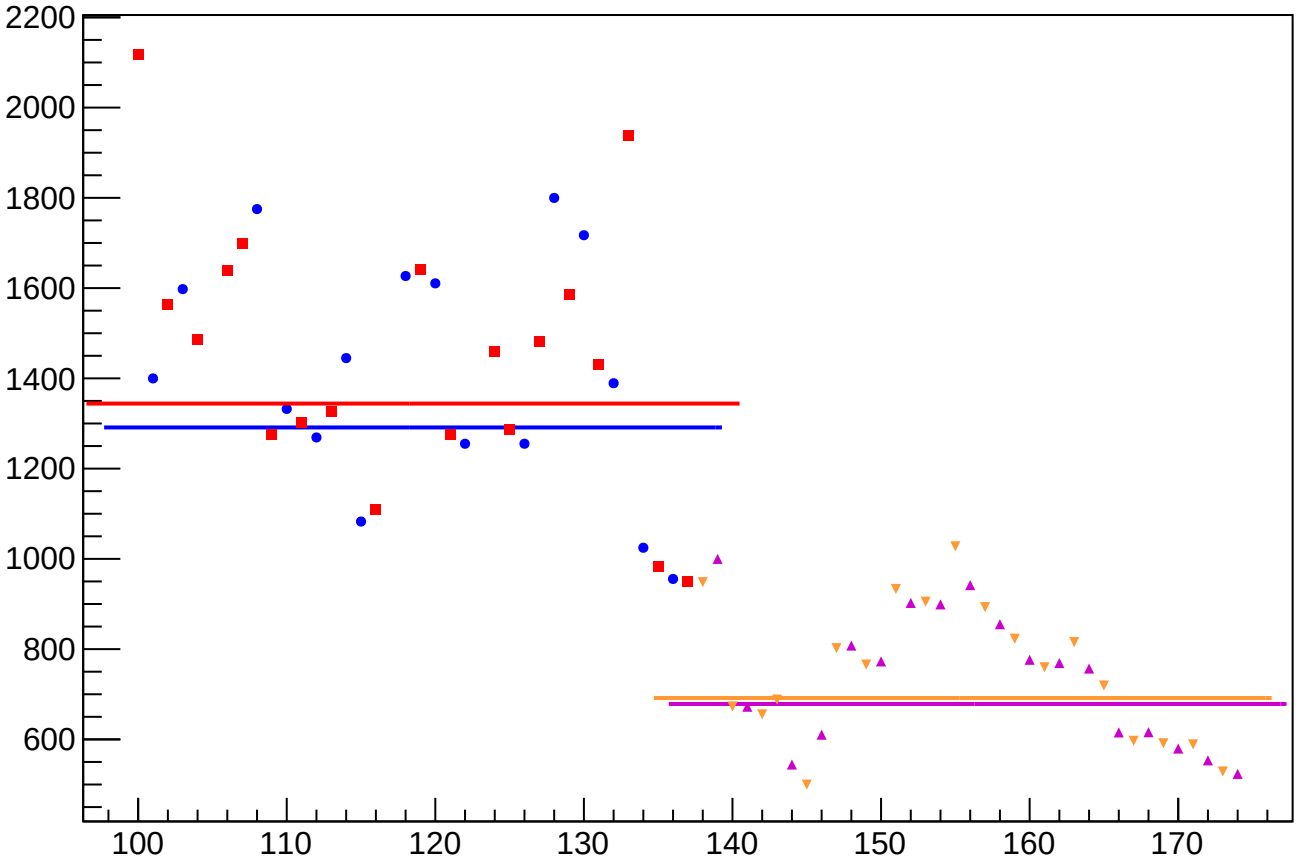
Left In: -152.805+/-180.074 χ^2/NDF:17.8/17

+ sign -936.019+/-171.303 χ^2/NDF: 78.7/34

All: -589.739+/-120.478 χ^2/NDF: 118.9/71

- 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: 691.709+/-0.129 χ^2/NDF:1244985.1/18

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

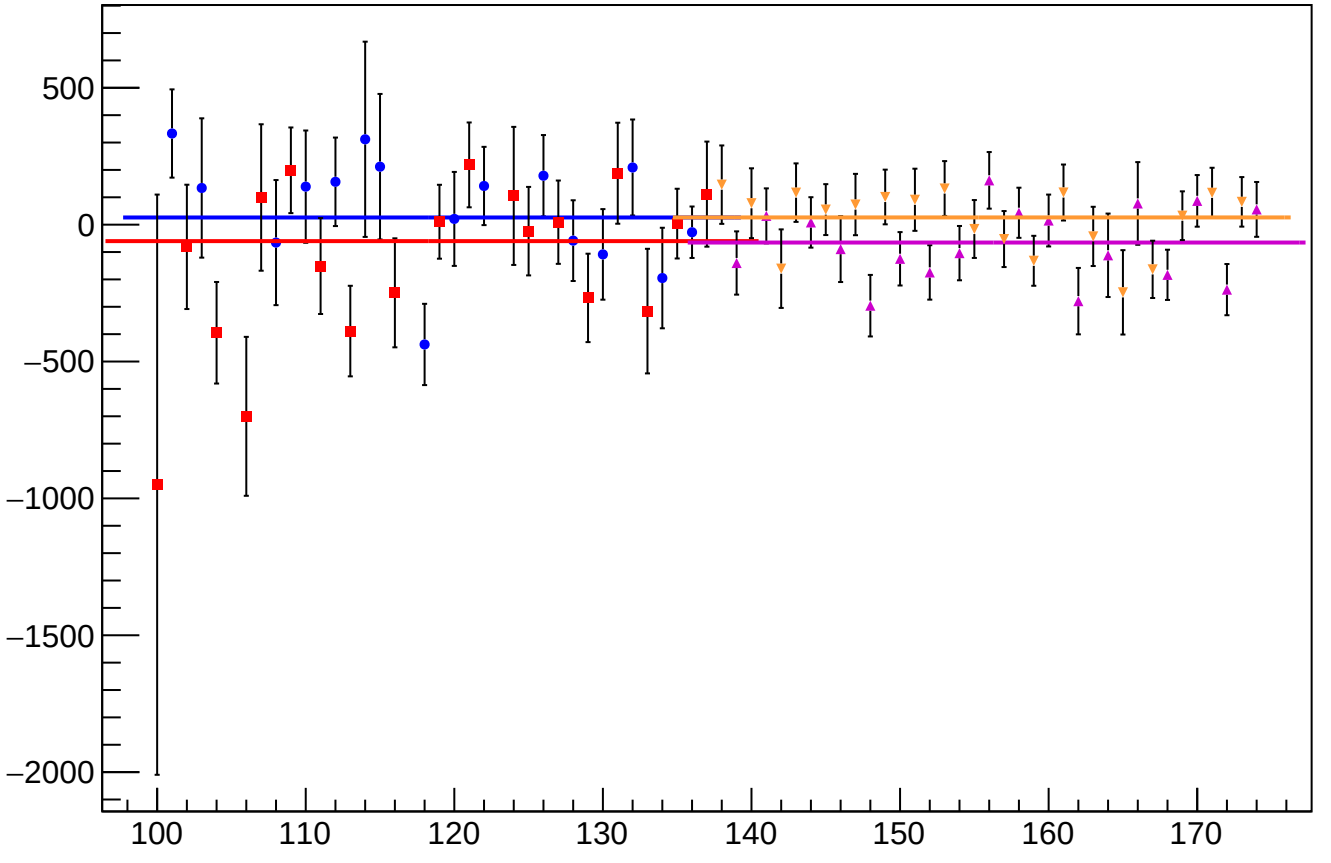
Left In: 678.492+/-0.127 χ^2/NDF:1156155.1/17

\+ sign 764.017+/-0.121 χ^2/NDF: 4454070.6/34

All: 759.230+/-0.085 χ^2/NDF: 9226580.4/71

\- 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: 26.442+/-24.207 χ^2/NDF:18.3/18

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

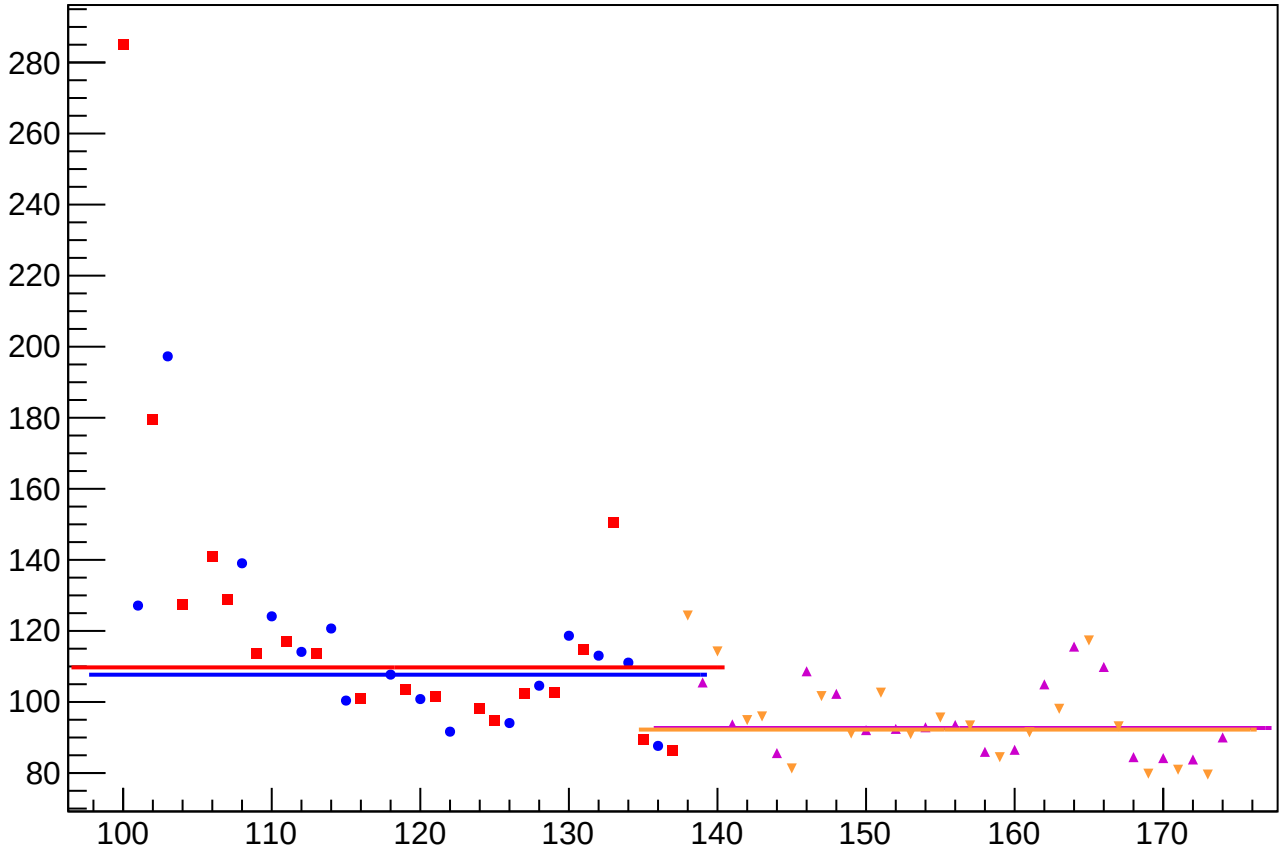
Left In: -65.314+/-24.455 χ^2/NDF:28.1/17

+ sign 26.393+/-20.873 χ^2/NDF: 39.7/34

All: -18.362+/-14.830 χ^2/NDF: 104.1/71

- 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: 92.233+/-0.017 χ^2/NDF:406697.0/18

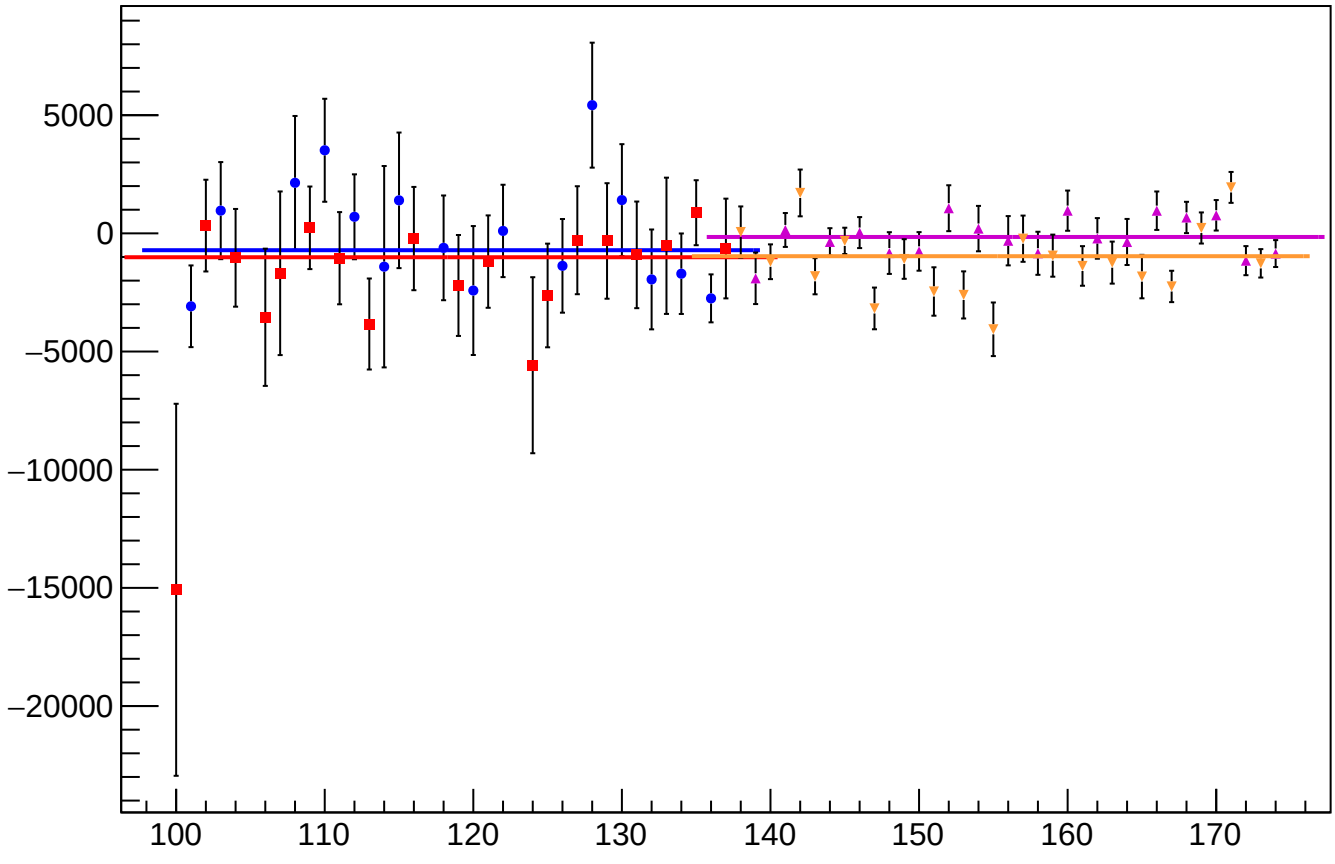
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 92.677+/-0.017 χ^2/NDF:248740.8/17

+ sign 96.194+/-0.015 χ^2/NDF: 1098645.0/34

All: 96.628+/-0.010 χ^2/NDF: 2091580.9/71

- 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: -966.621+/-182.673 χ^2/NDF:58.3/18

Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

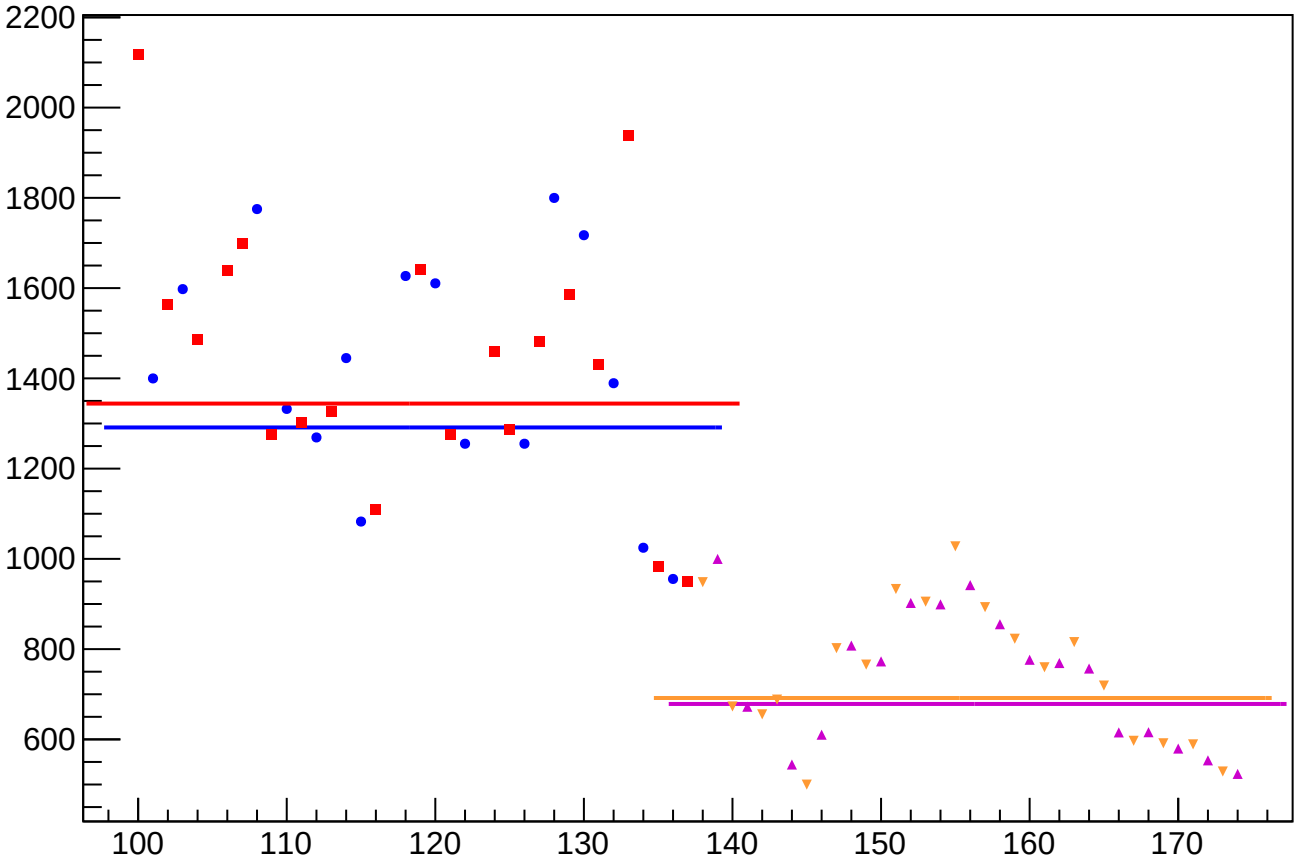
Left In: -152.804+/-180.074 χ^2/NDF:17.8/17

+ sign -936.017+/-171.303 χ^2/NDF: 78.7/34

All: -589.737+/-120.478 χ^2/NDF: 118.9/71

- sign -250.809+/-169.474 χ^2/NDF: 32.1/36

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 691.707+/-0.129 χ^2/NDF:1244992.2/18

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

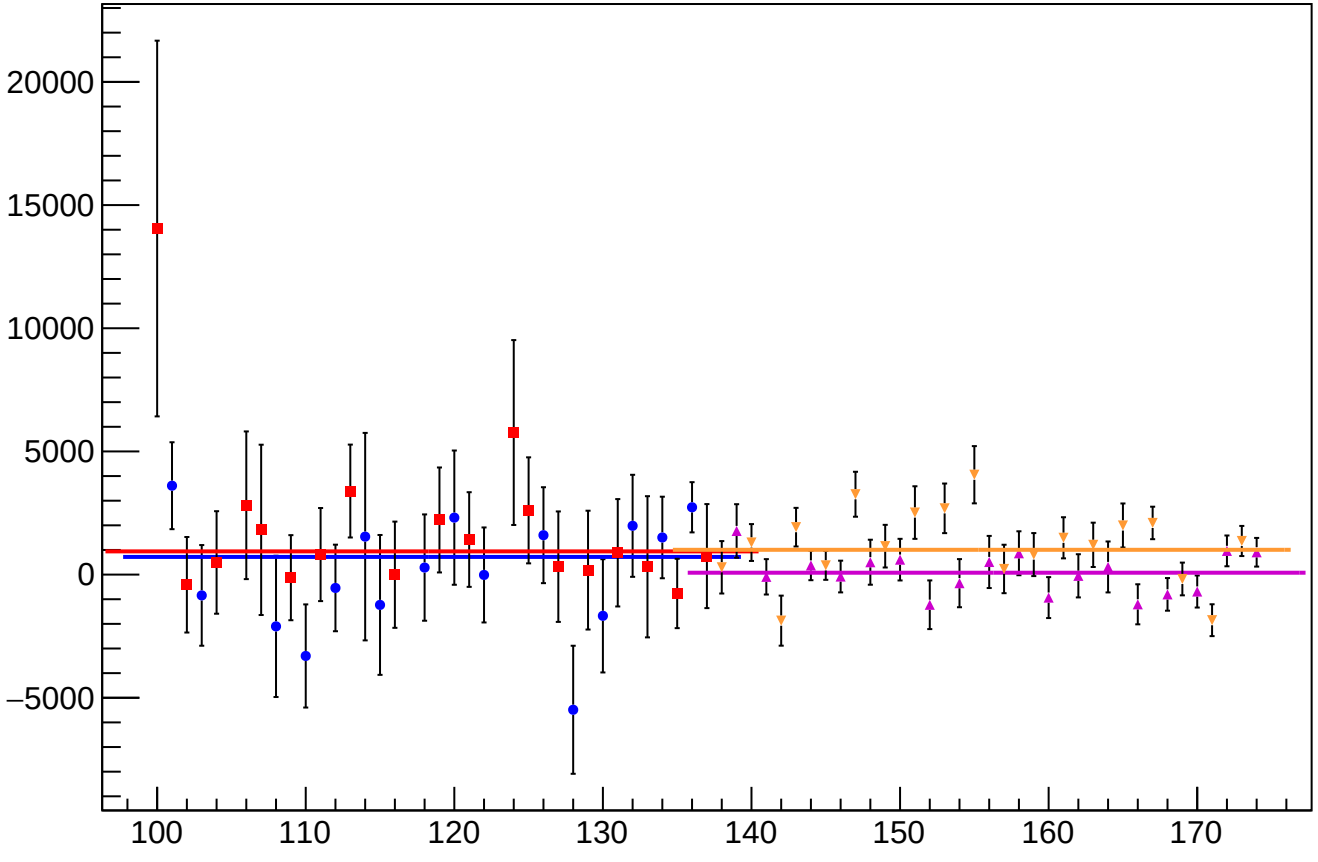
Left In: 678.490+/-0.127 χ^2/NDF:1156159.0/17

\+ sign 764.016+/-0.121 χ^2/NDF: 4454074.1/34

All: 759.229+/-0.085 χ^2/NDF: 9226585.4/71

\- 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: 1006.335+/-185.007 χ^2/NDF:57.0/18

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

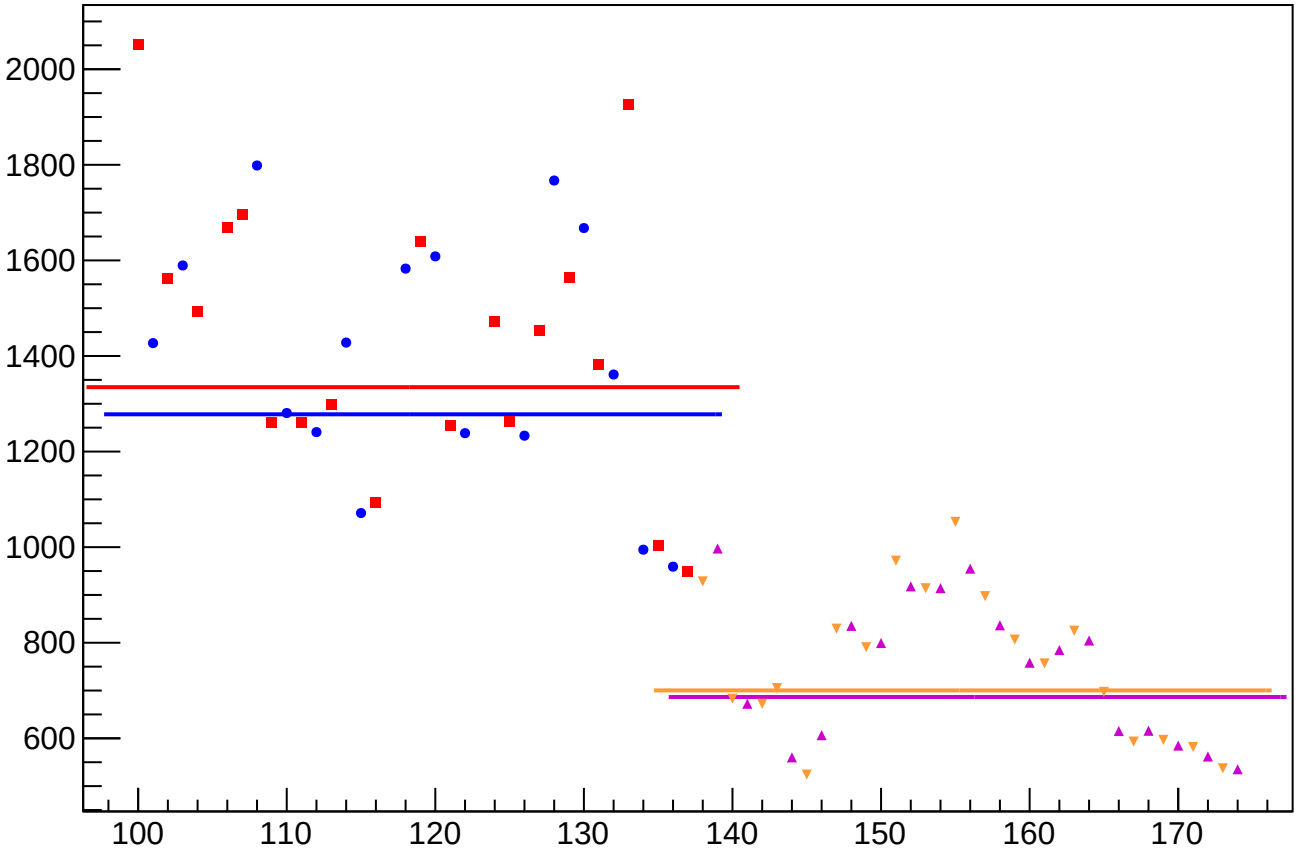
Left In: 76.196+/-182.103 χ^2/NDF:17.5/17

\+ sign 970.084+/-173.003 χ^2/NDF: 78.3/34

All: 569.664+/-121.628 χ^2/NDF: 119.7/71

\- 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: 700.269+/-0.131 χ^2/NDF:1208742.1/18

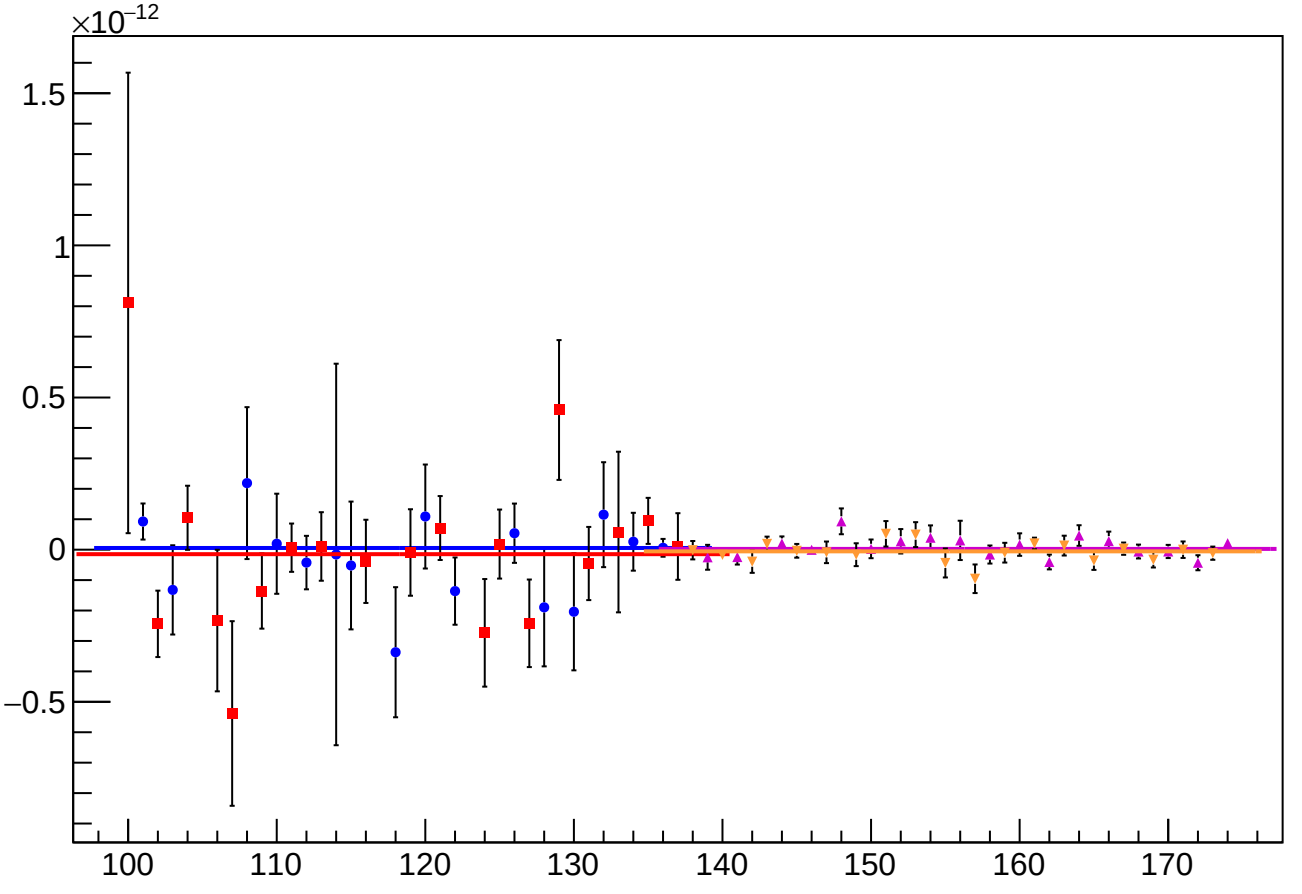
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 686.512+/-0.129 χ^2/NDF:1144042.2/17

+ sign 772.805+/-0.122 χ^2/NDF: 4255000.9/34

All: 767.824+/-0.086 χ^2/NDF: 8862978.5/71

- 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:15.2/18

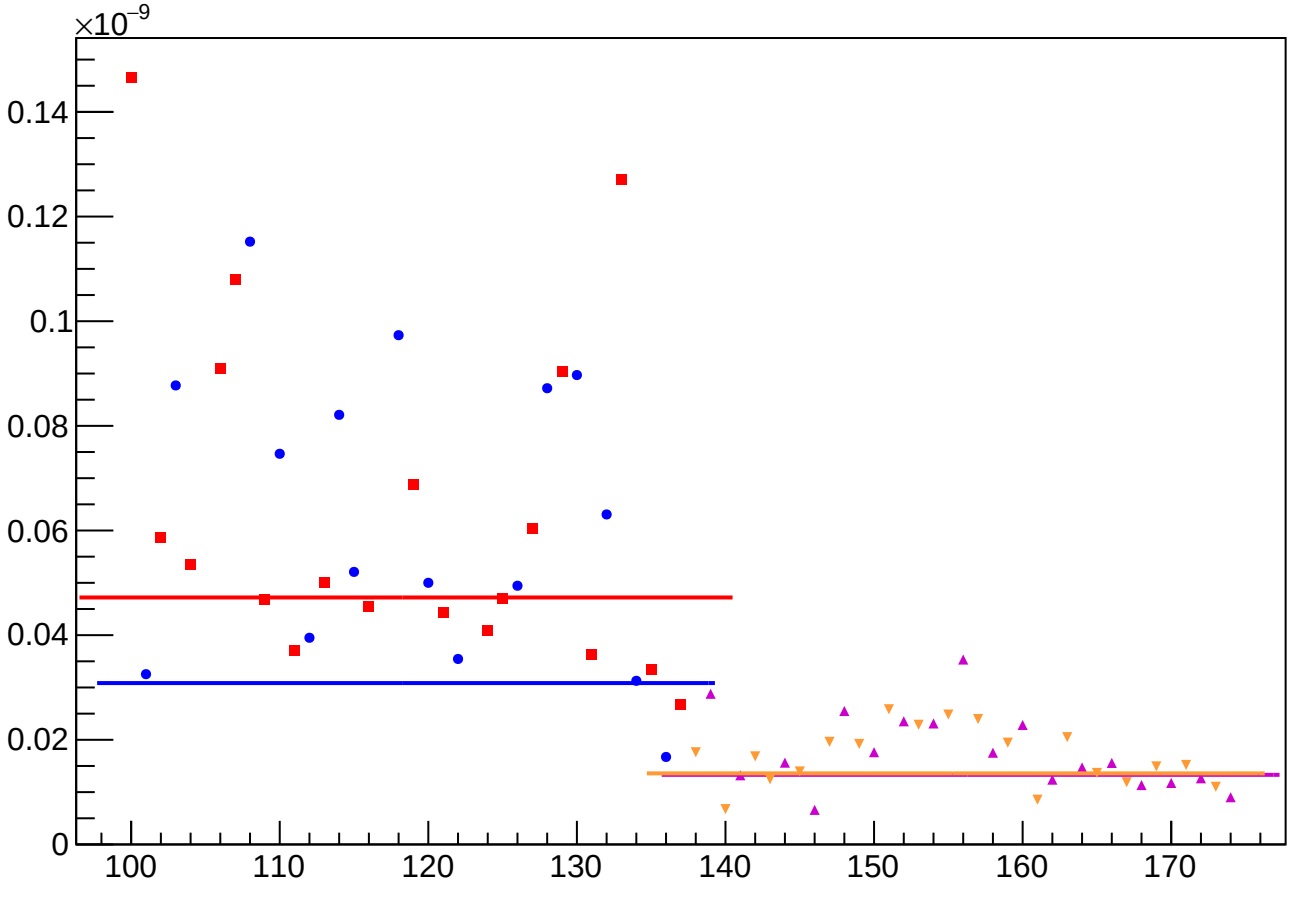
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:19.2/17

+ sign -0.000+/-0.000 χ^2/NDF: 27.1/34

All: -0.000+/-0.000 χ^2/NDF: 71.1/71

- 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:1394499.2/18

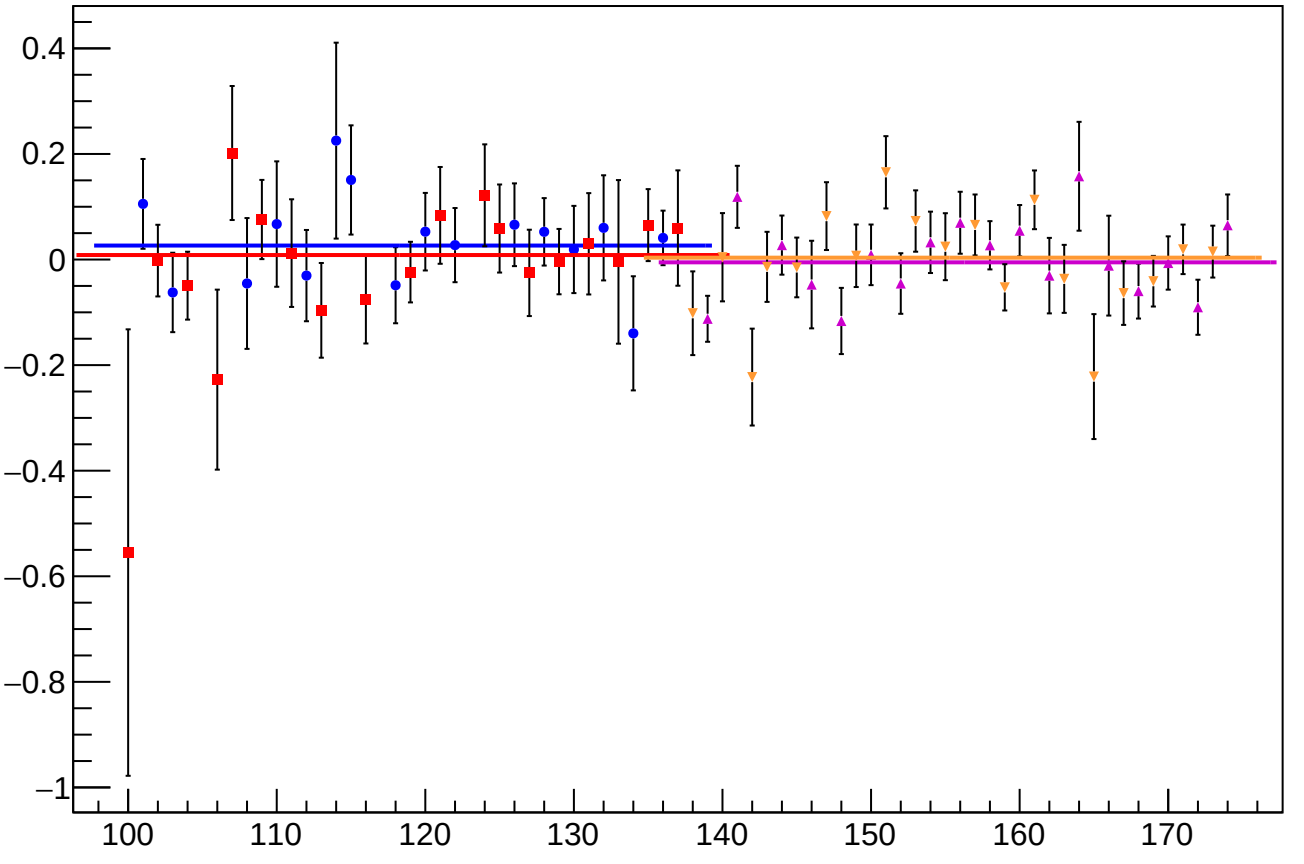
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1773728.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 4491652.2/34

All: 0.000+/-0.000 χ^2/NDF: 9670973.1/71

- 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: 0.004+/-0.014 χ^2/NDF:29.6/18

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

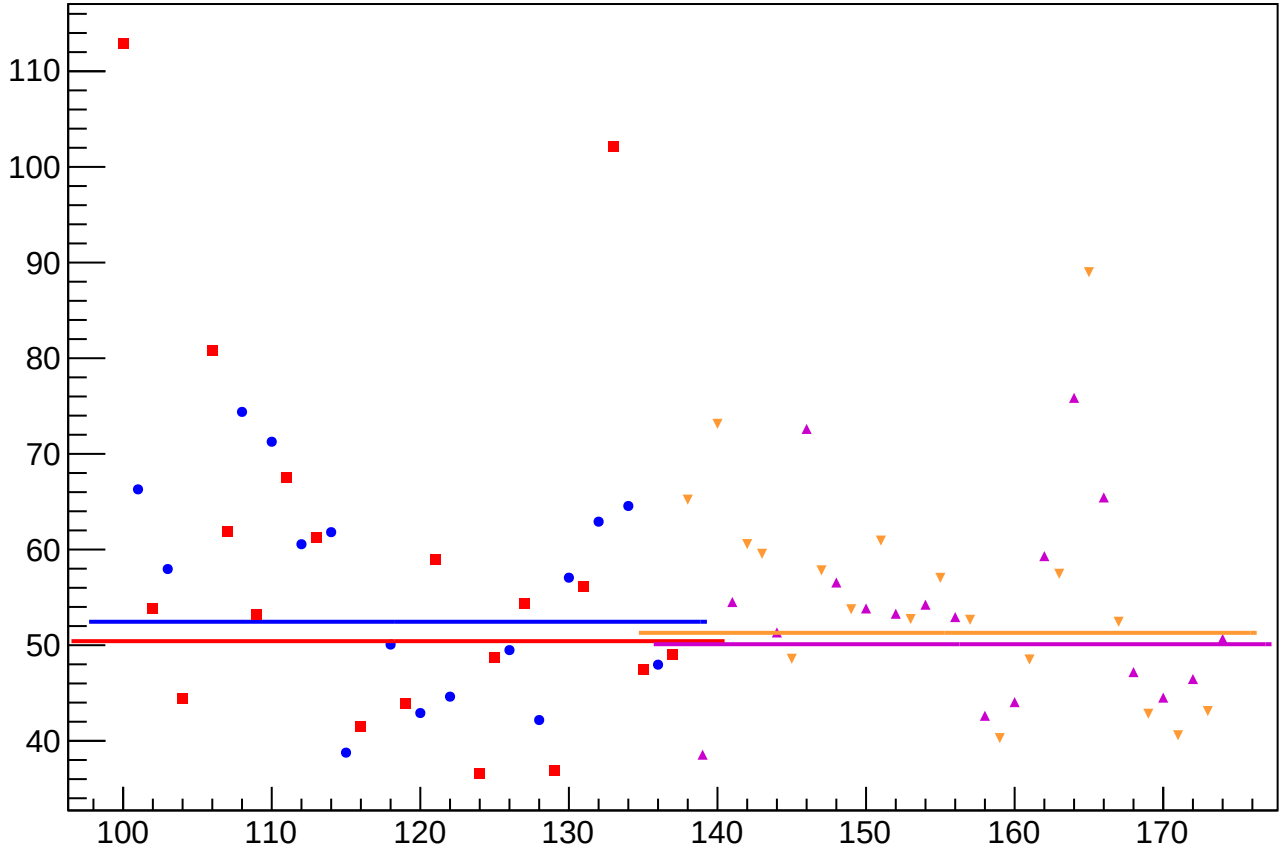
Left In: -0.005+/-0.014 χ^2/NDF:26.7/17

+ sign 0.011+/-0.011 χ^2/NDF: 40.4/34

All: 0.005+/-0.008 χ^2/NDF: 81.9/71

- 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: 51.294+/-0.010 χ^2/NDF:912009.5/18

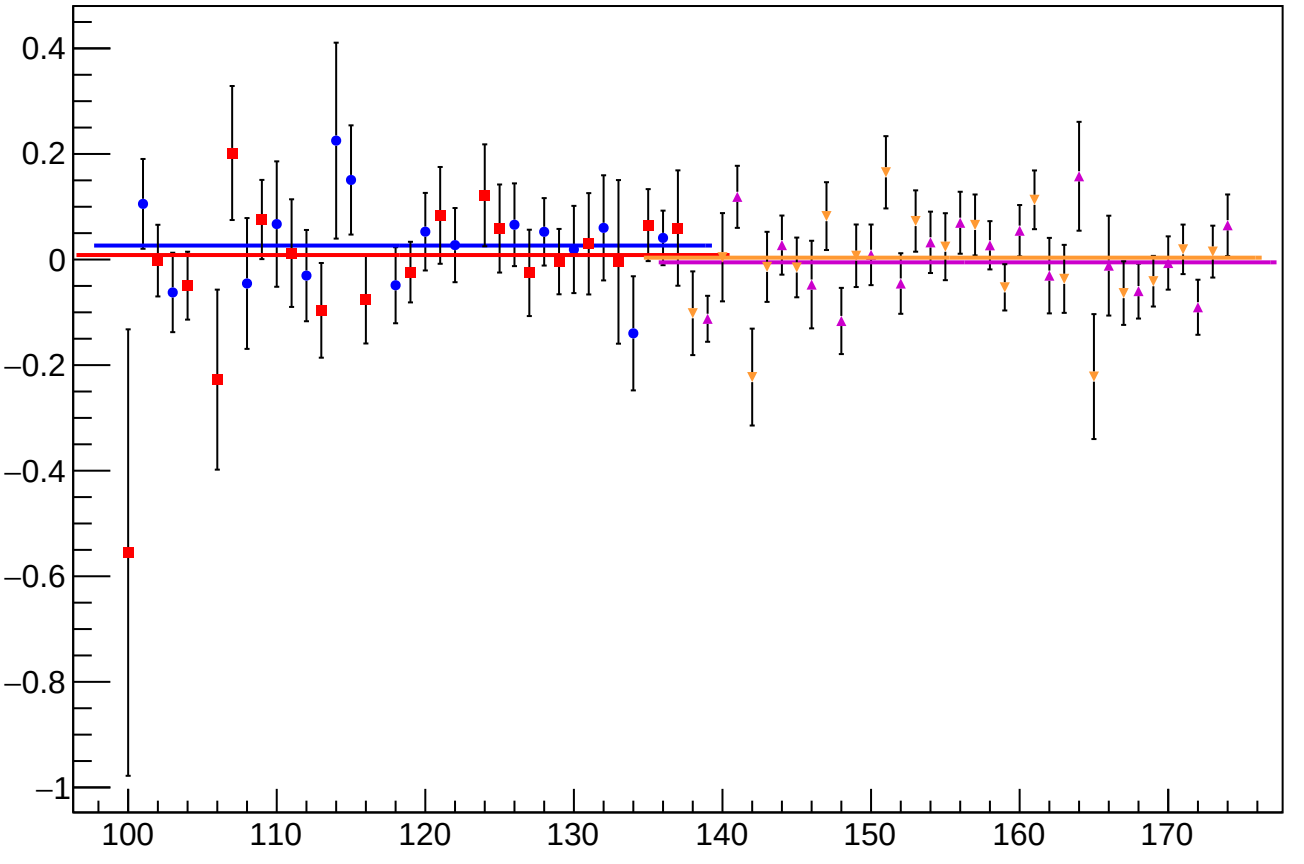
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.103+/-0.010 χ^2/NDF:686433.4/17

+ sign 51.656+/-0.008 χ^2/NDF: 1334445.5/34

All: 50.913+/-0.006 χ^2/NDF: 2714525.1/71

- 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: 0.004+/-0.014 χ^2/NDF:29.6/18

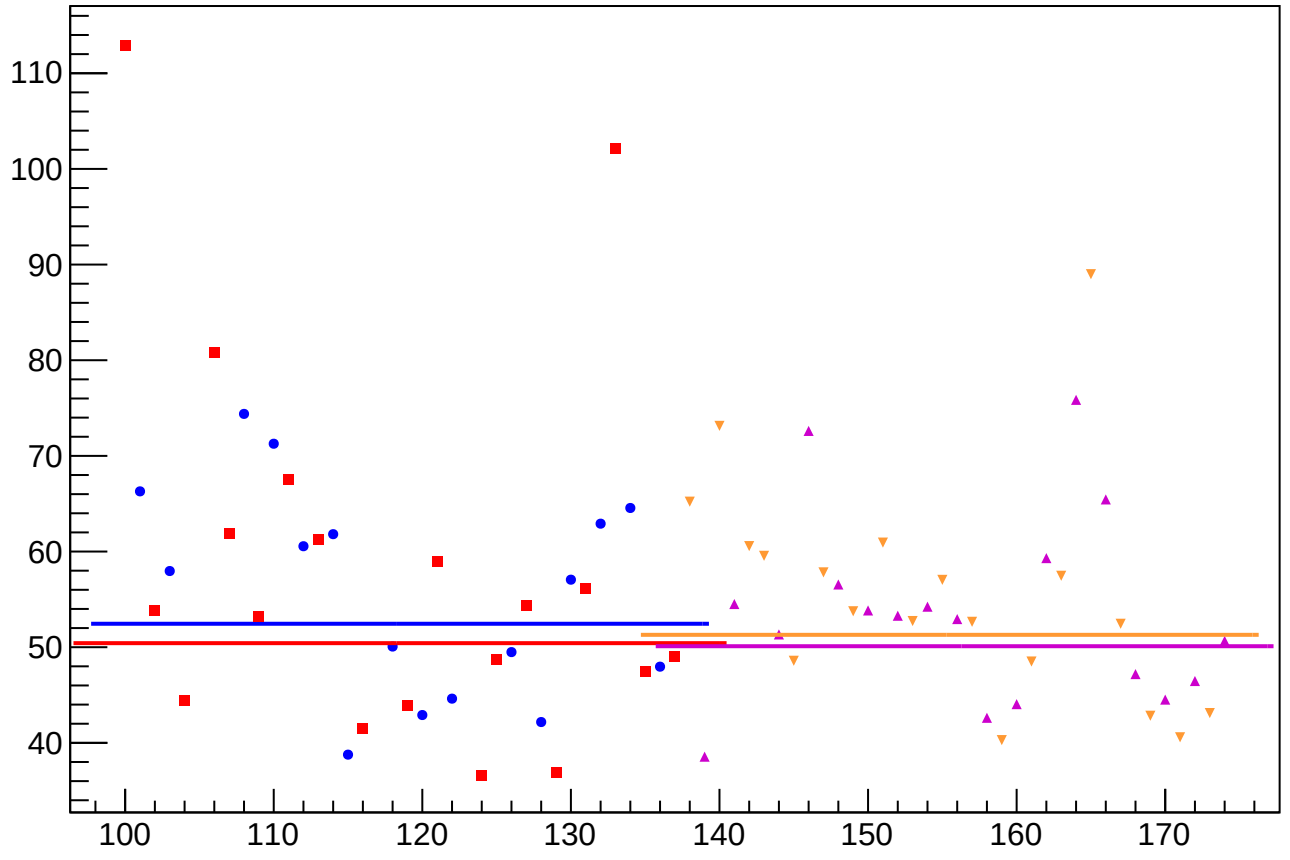
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.014 χ^2/NDF:26.7/17

+ sign 0.011+/-0.011 χ^2/NDF: 40.4/34

All: 0.005+/-0.008 χ^2/NDF: 81.9/71

- 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: 51.294+/-0.010 χ^2/NDF:912009.5/18

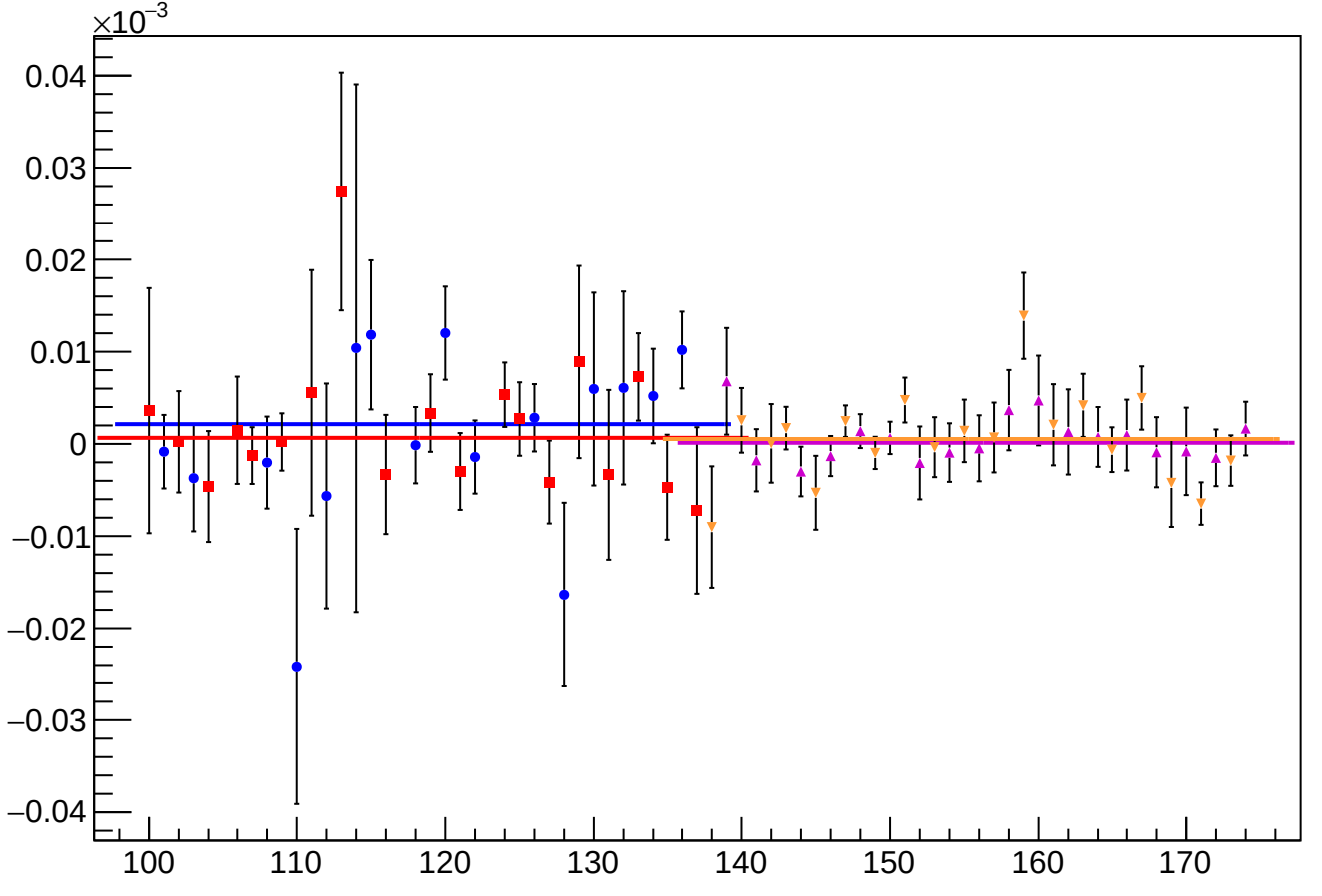
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.103+/-0.010 χ^2/NDF:686433.4/17

+ sign 51.656+/-0.008 χ^2/NDF: 1334445.5/34

All: 50.913+/-0.006 χ^2/NDF: 2714525.1/71

- 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:32.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

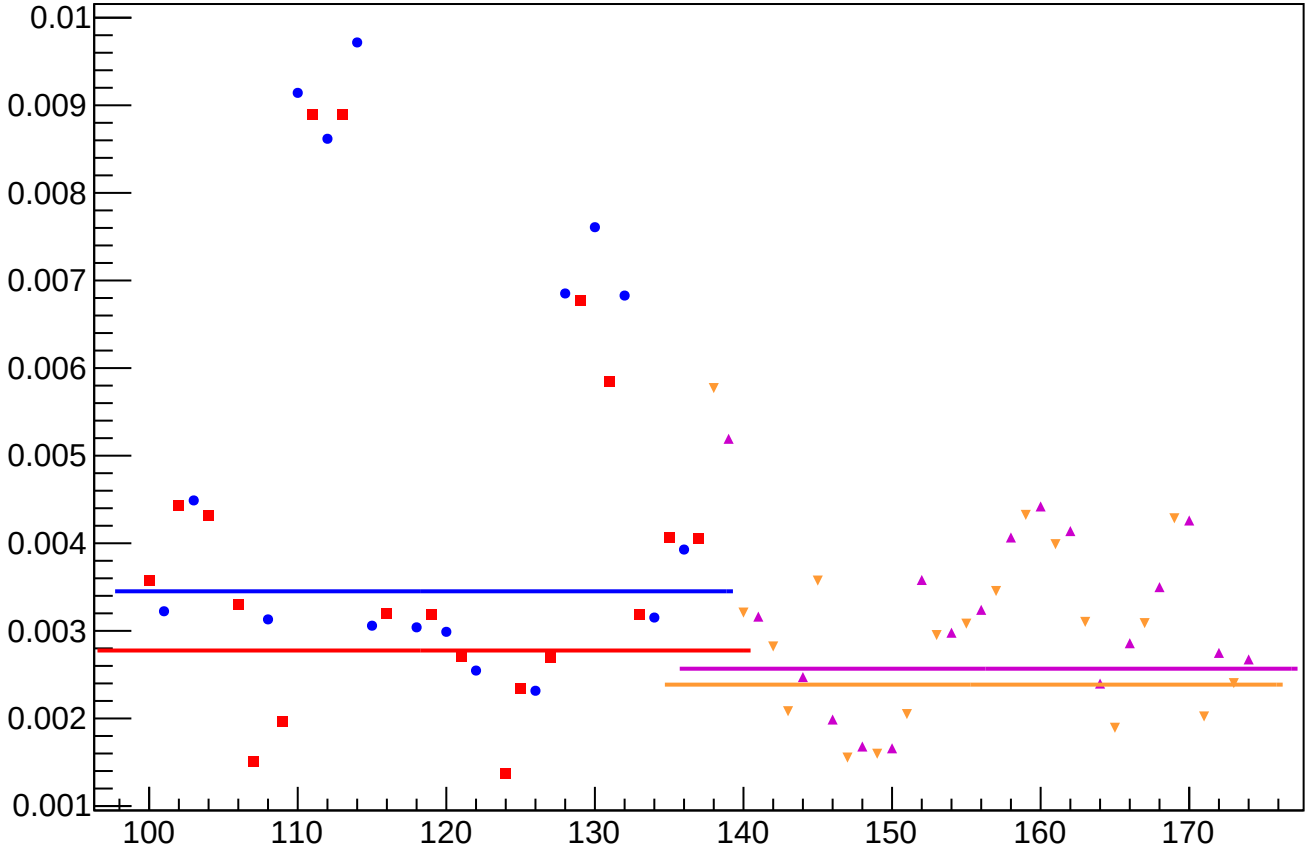
Left In: 0.000+/-0.000 χ^2/NDF:6.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 53.5/34

All: 0.000+/-0.000 χ^2/NDF: 75.7/71

- sign 0.000+/-0.000 χ^2/NDF: 21.8/36

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3324185.1/18

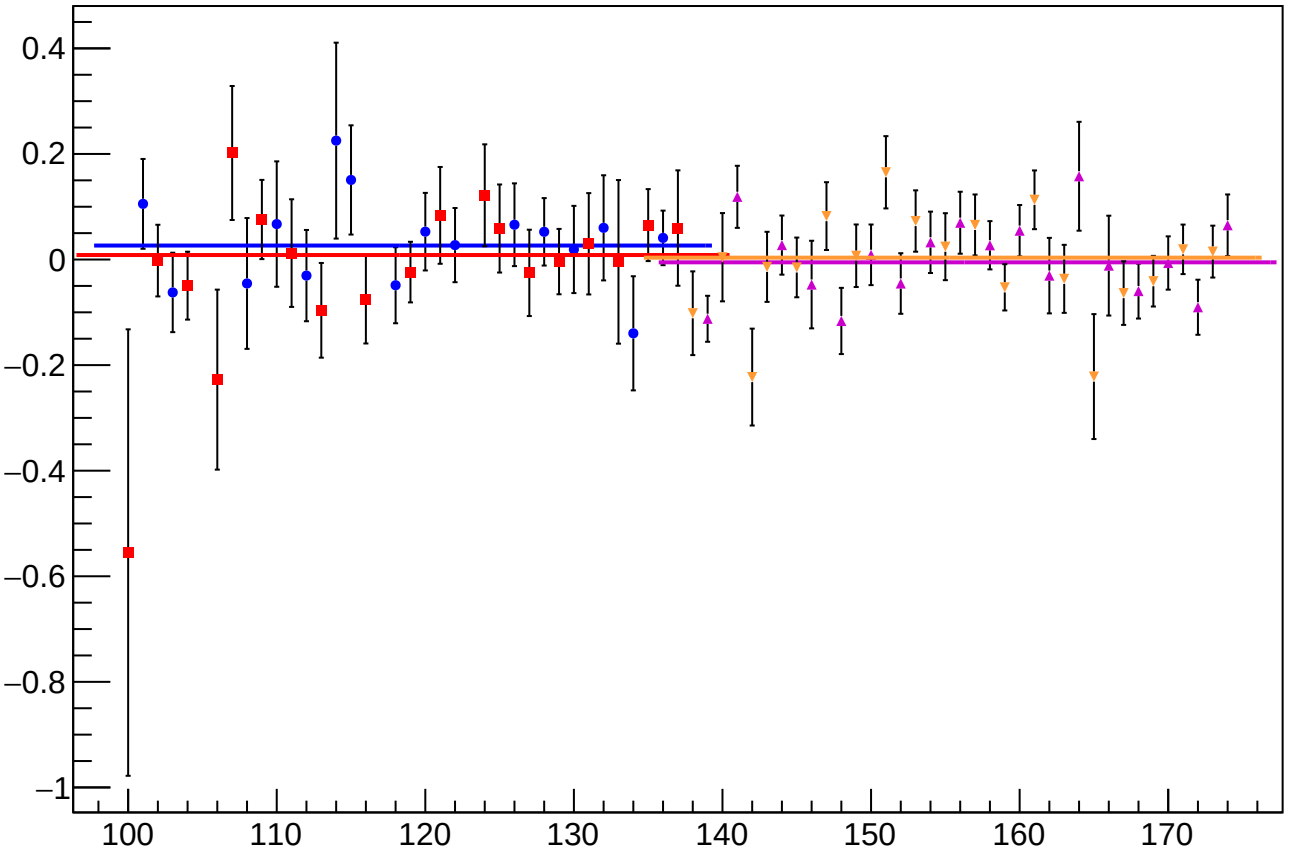
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3018362.0/17

+ sign 0.003+/-0.000 χ^2/NDF: 6239508.4/34

All: 0.003+/-0.000 χ^2/NDF: 12045244.0/71

- 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: 0.004+/-0.014 χ^2/NDF:29.6/18

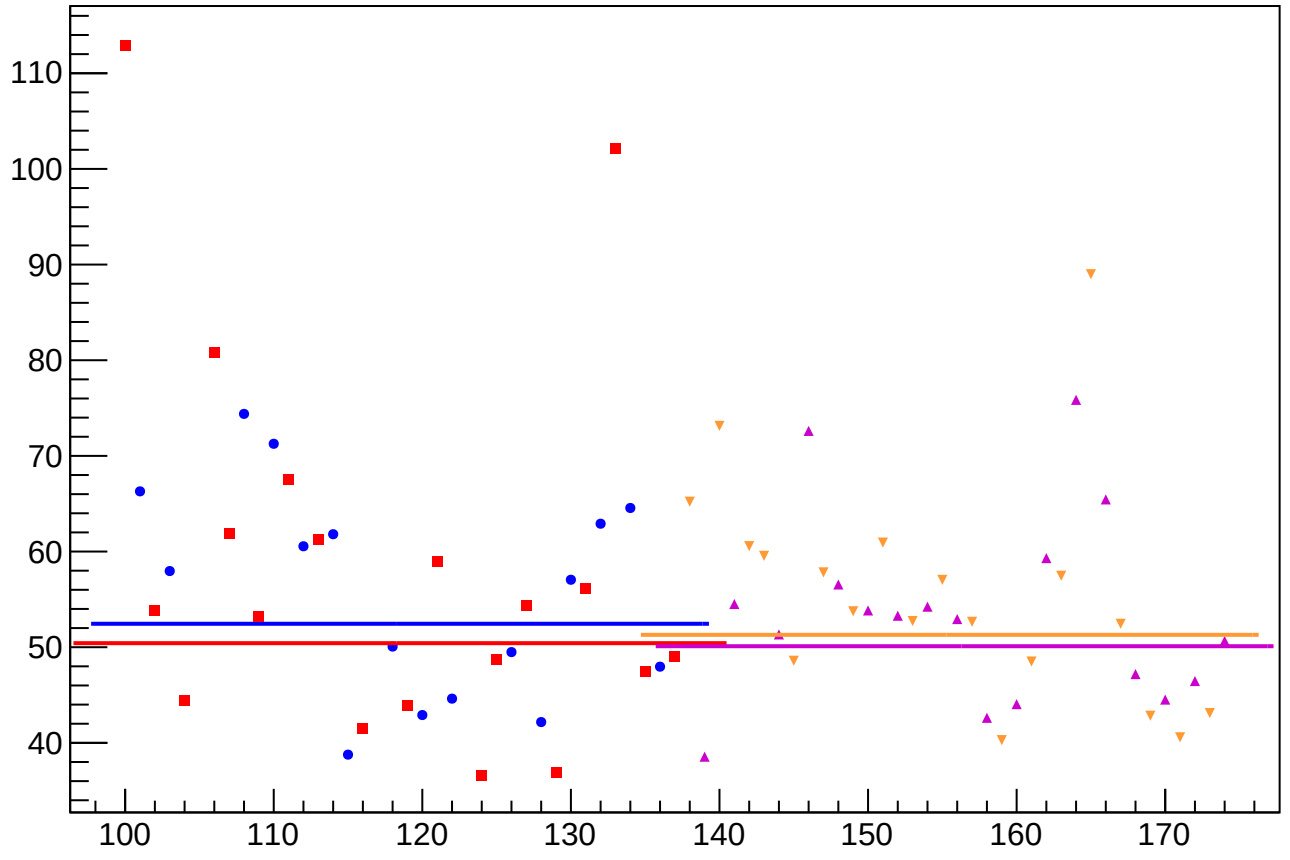
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.014 χ^2/NDF:26.7/17

+ sign 0.011+/-0.011 χ^2/NDF: 40.4/34

All: 0.005+/-0.008 χ^2/NDF: 81.9/71

- 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: 51.294+/-0.010 χ^2/NDF:912025.7/18

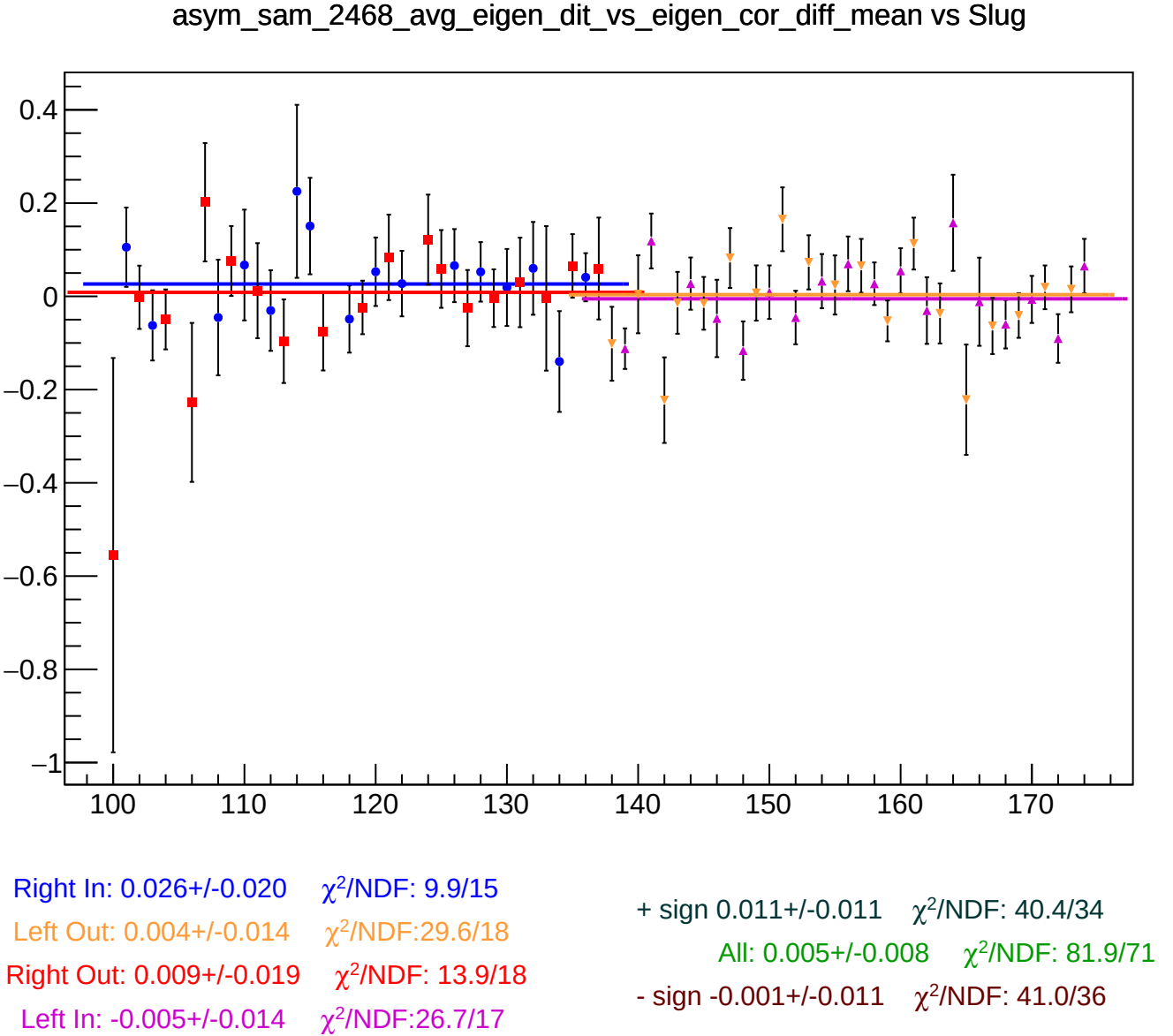
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

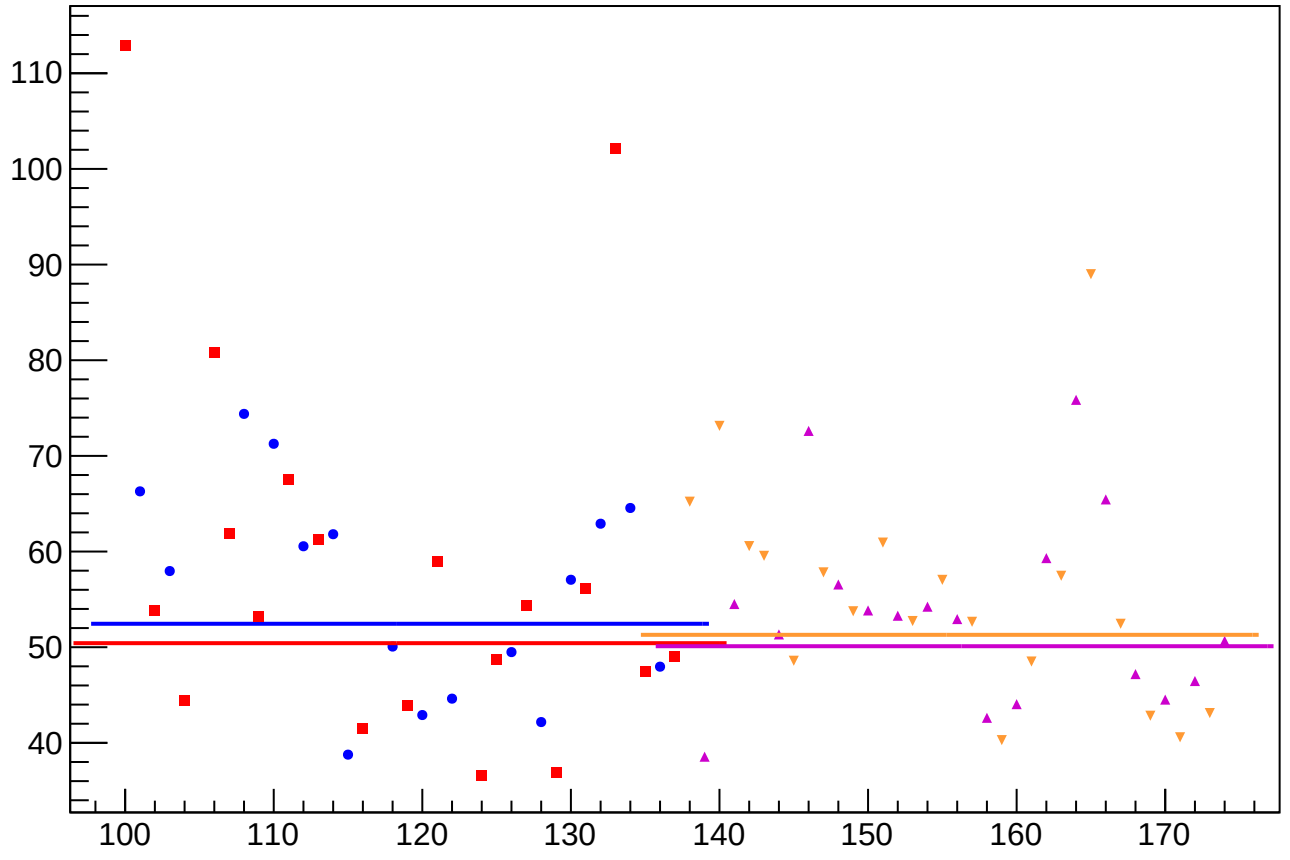
Left In: 50.103+/-0.010 χ^2/NDF:686510.1/17

+ sign 51.656+/-0.008 χ^2/NDF: 1334403.3/34

All: 50.913+/-0.006 χ^2/NDF: 2714564.5/71

- sign 50.207+/-0.008 χ^2/NDF: 1363624.0/36


asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
Right In: 0.026+/-0.020 χ²/NDF: 9.9/15
Left Out: 0.004+/-0.014 χ²/NDF:29.6/18
Right Out: 0.009+/-0.019 χ²/NDF: 13.9/18
Left In: -0.005+/-0.014 χ²/NDF:26.7/17
+ sign 0.011+/-0.011 χ²/NDF: 40.4/34
All: 0.005+/-0.008 χ²/NDF: 81.9/71
- sign -0.001+/-0.011 χ²/NDF: 41.0/36



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 51.294+/-0.010 χ^2/NDF:912025.7/18

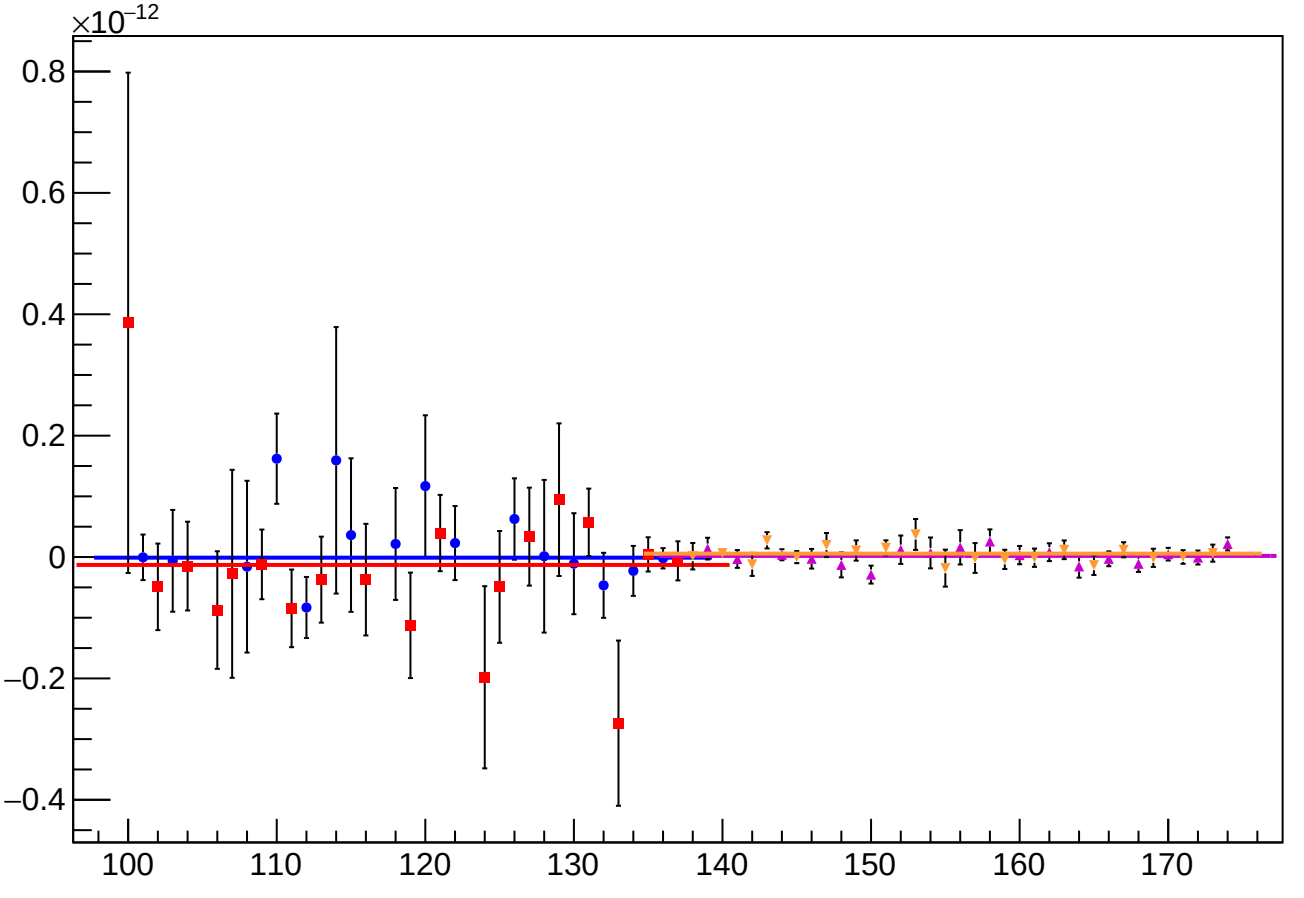
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.103+/-0.010 χ^2/NDF:686510.1/17

+ sign 51.656+/-0.008 χ^2/NDF: 1334403.3/34

All: 50.913+/-0.006 χ^2/NDF: 2714564.5/71

- 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:10.2/18

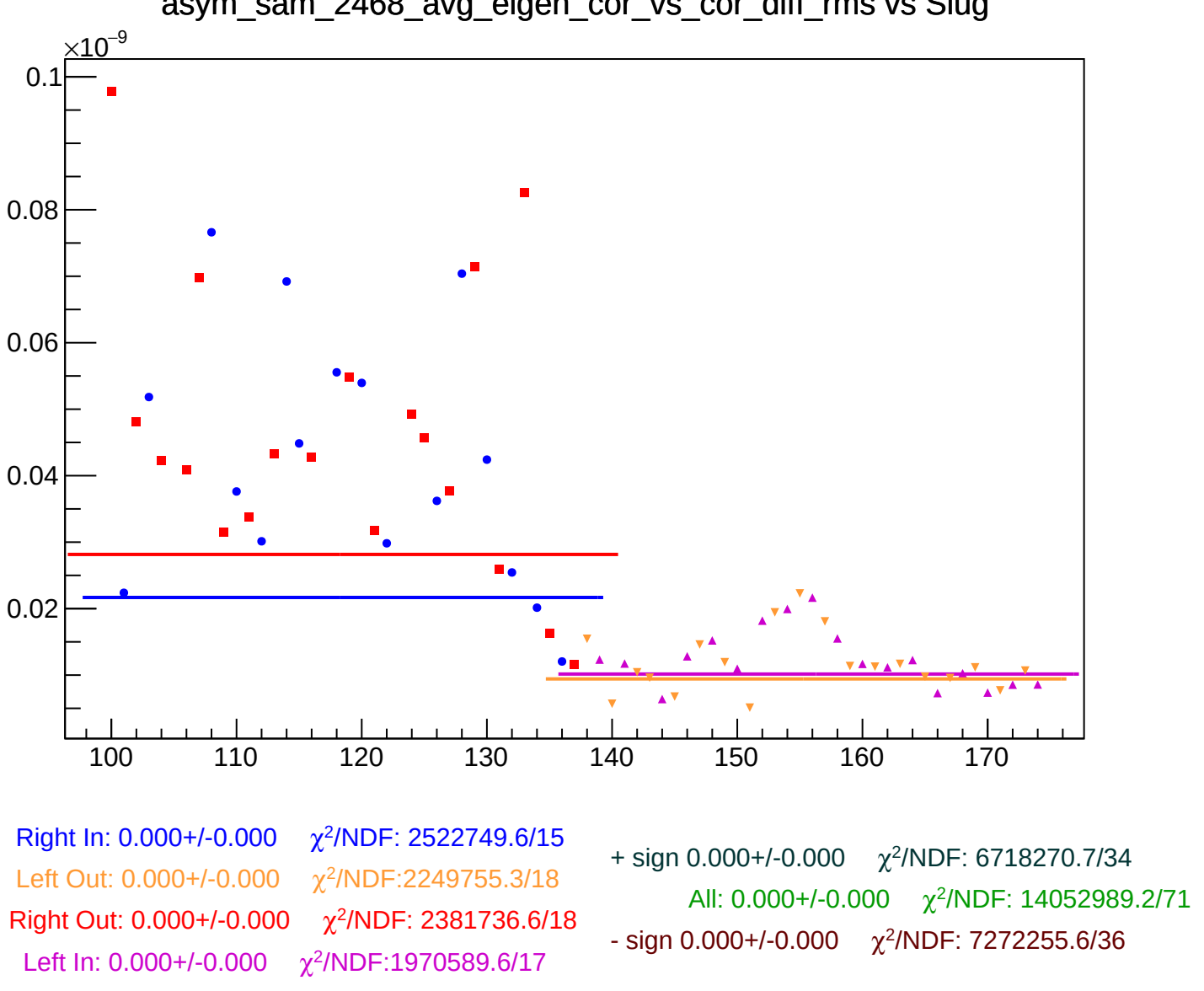
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/17

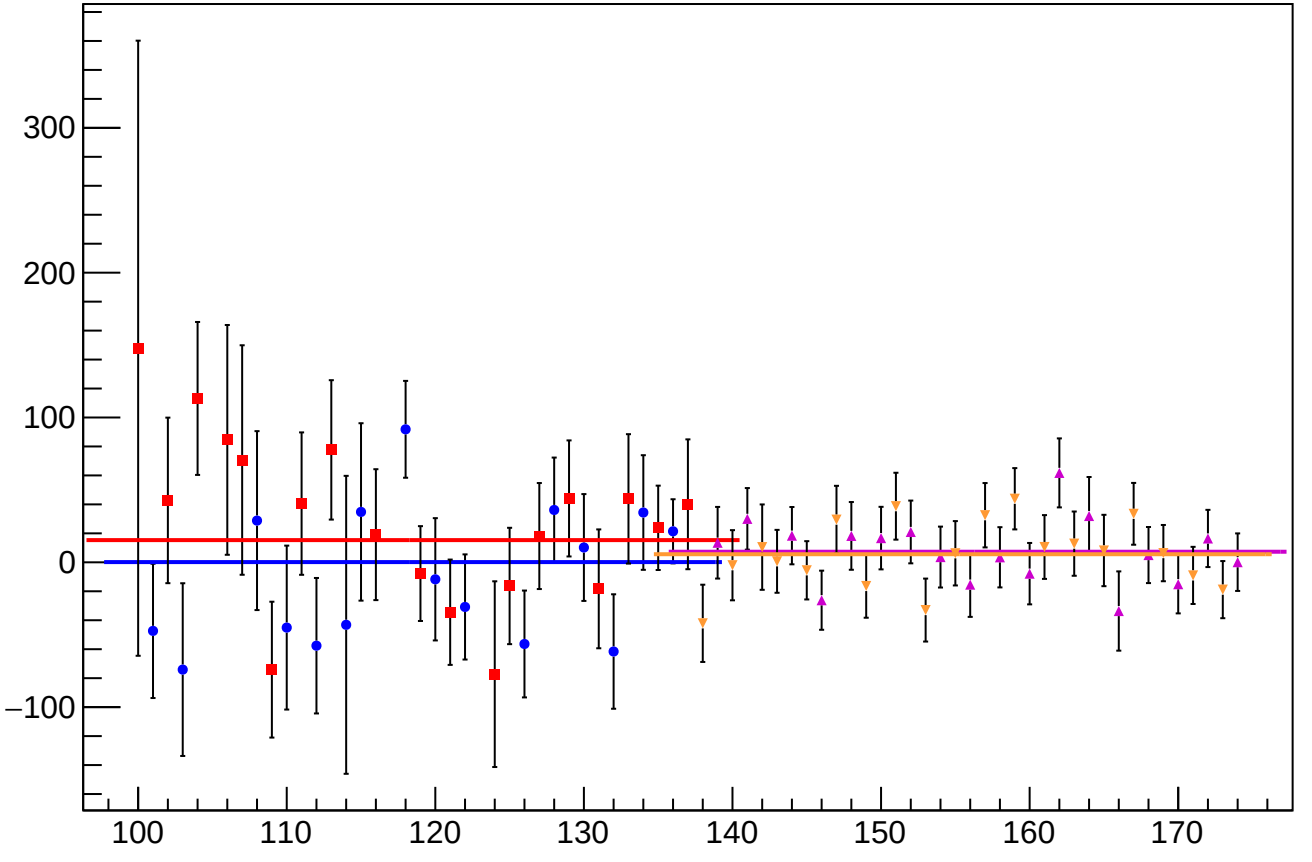
+ sign 0.000+/-0.000 χ^2/NDF: 21.8/34

All: 0.000+/-0.000 χ^2/NDF: 50.2/71

- sign 0.000+/-0.000 χ^2/NDF: 27.7/36


asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2522749.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2249755.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 2381736.6/18
Left In: 0.000+/-0.000 χ²/NDF:1970589.6/17
+ sign 0.000+/-0.000 χ²/NDF: 6718270.7/34
All: 0.000+/-0.000 χ²/NDF: 14052989.2/71
- sign 0.000+/-0.000 χ²/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: 5.591+/-5.079 χ^2/NDF:19.7/18

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

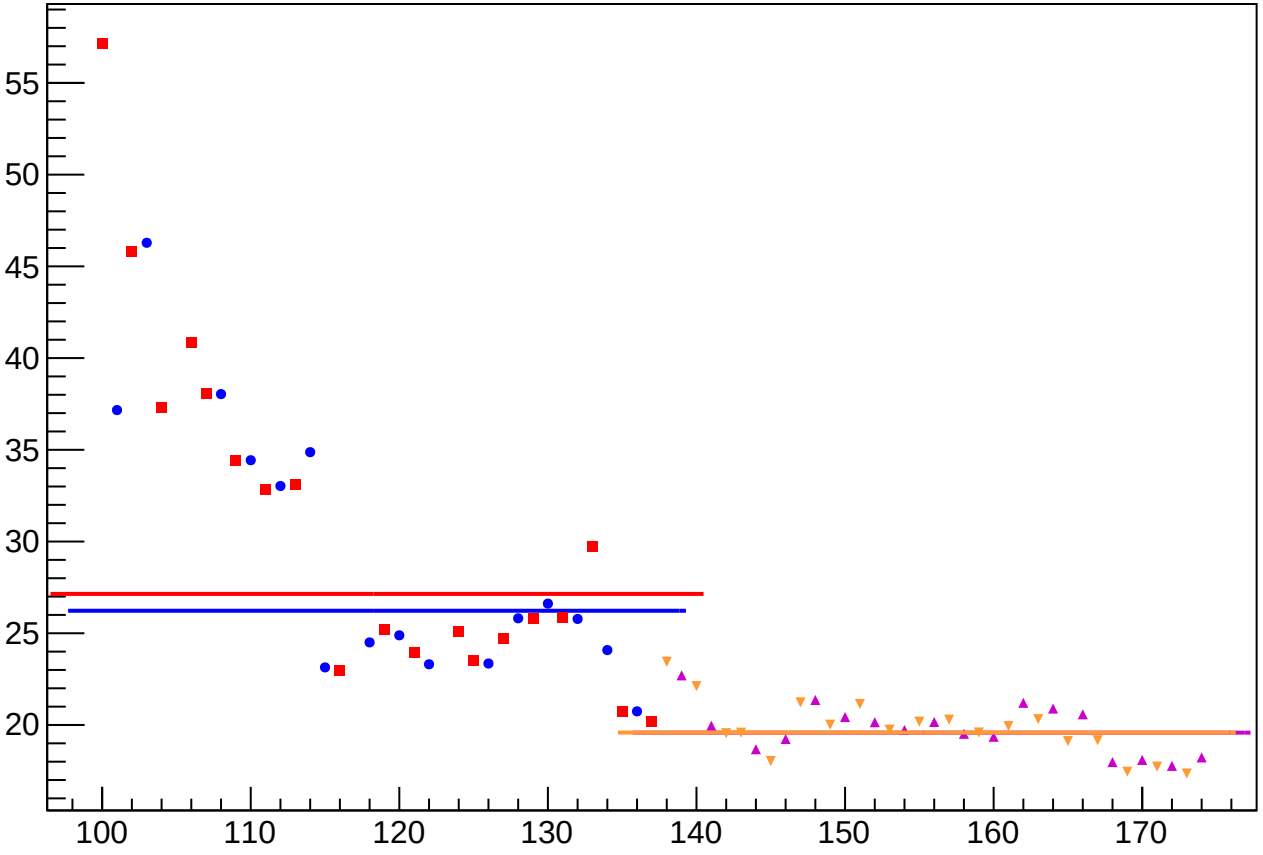
Left In: 7.309+/-5.102 χ^2/NDF:16.5/17

+ sign 4.484+/-4.533 χ^2/NDF: 41.2/34

All: 6.674+/-3.218 χ^2/NDF: 76.7/71

- 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: 19.587+/-0.004 χ^2/NDF:170519.9/18

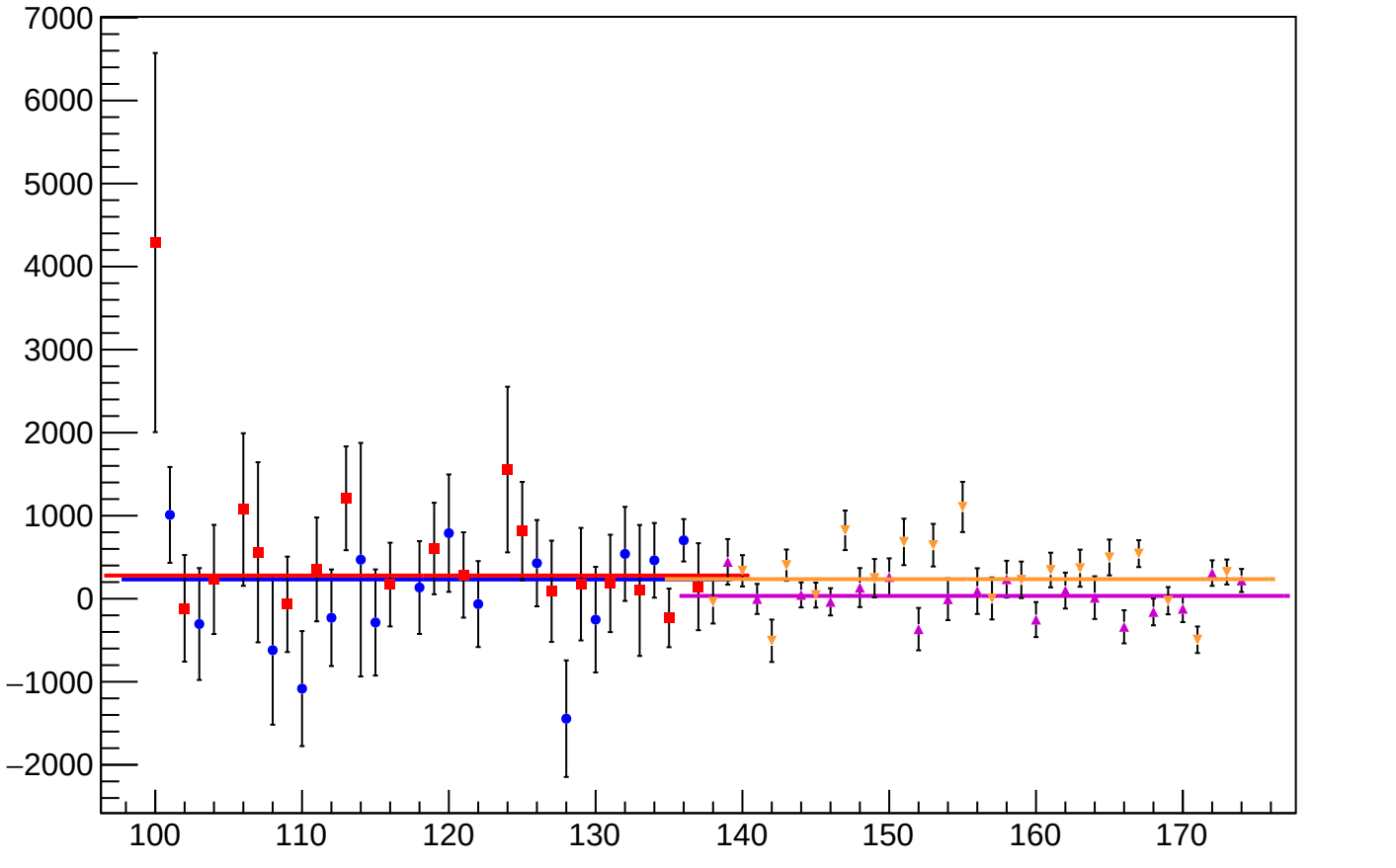
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.582+/-0.004 χ^2/NDF:122500.1/17

+ sign 20.938+/-0.003 χ^2/NDF: 1542249.3/34

All: 21.009+/-0.002 χ^2/NDF: 3291479.2/71

- 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: 235.885+/-46.349 χ^2/NDF:61.9/18

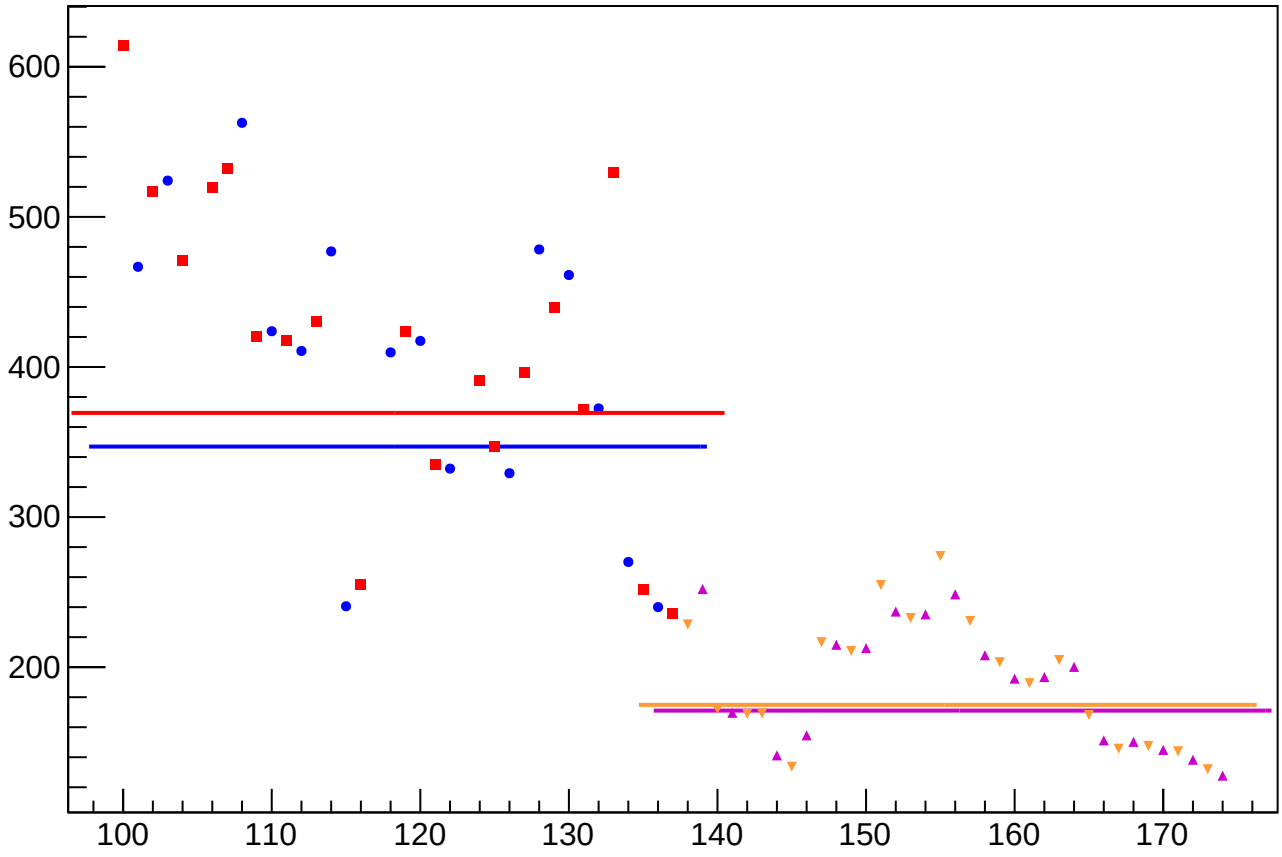
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 33.709+/-45.538 χ^2/NDF:19.7/17

+ sign 235.484+/-43.833 χ^2/NDF: 81.6/34

All: 145.256+/-30.806 χ^2/NDF: 124.6/71

- 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: 174.907+/-0.033 χ^2/NDF:1364639.0/18

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

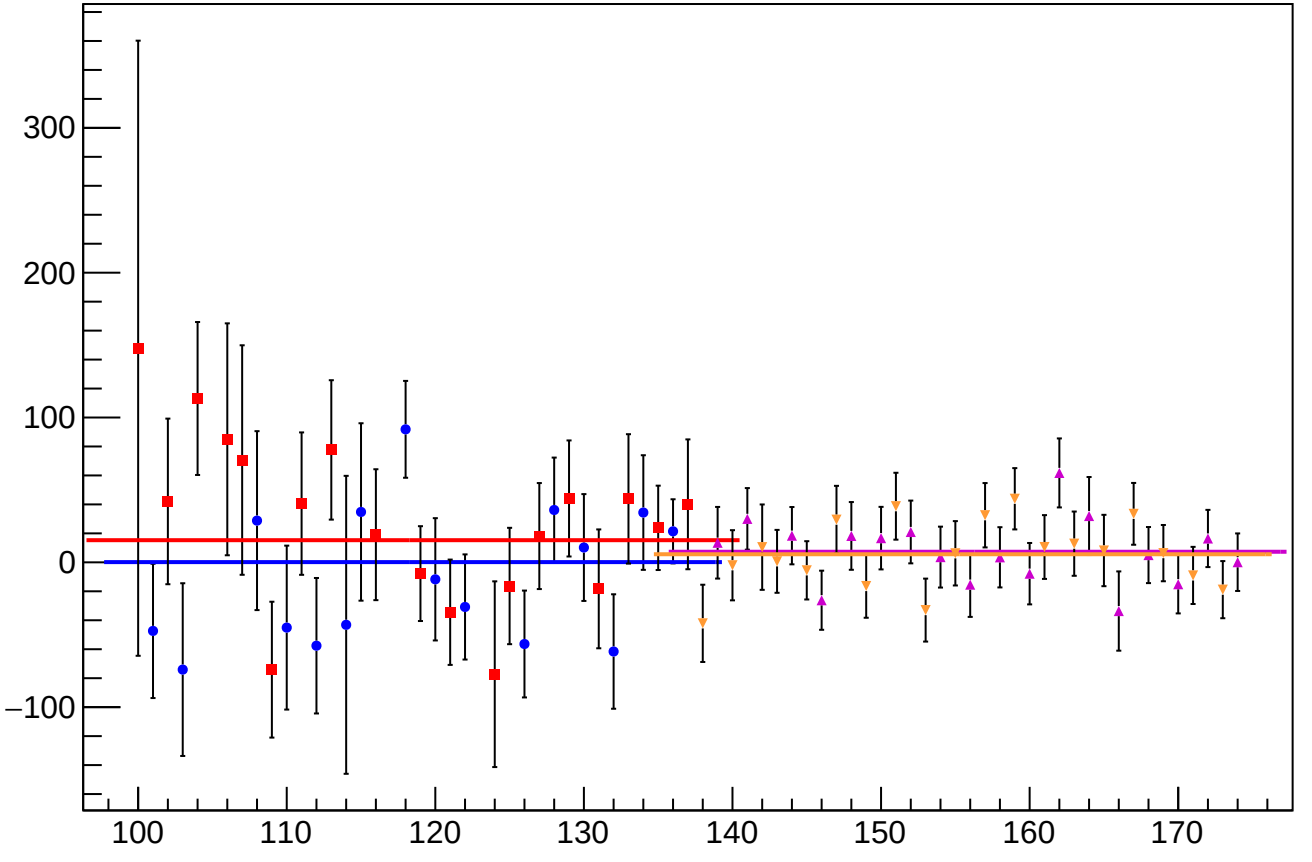
Left In: 171.066+/-0.032 χ^2/NDF:1346717.0/17

+ sign 193.080+/-0.031 χ^2/NDF: 5333970.4/34

All: 191.547+/-0.022 χ^2/NDF: 11236278.2/71

- 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: 5.590+/-5.079 χ^2/NDF:19.7/18

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

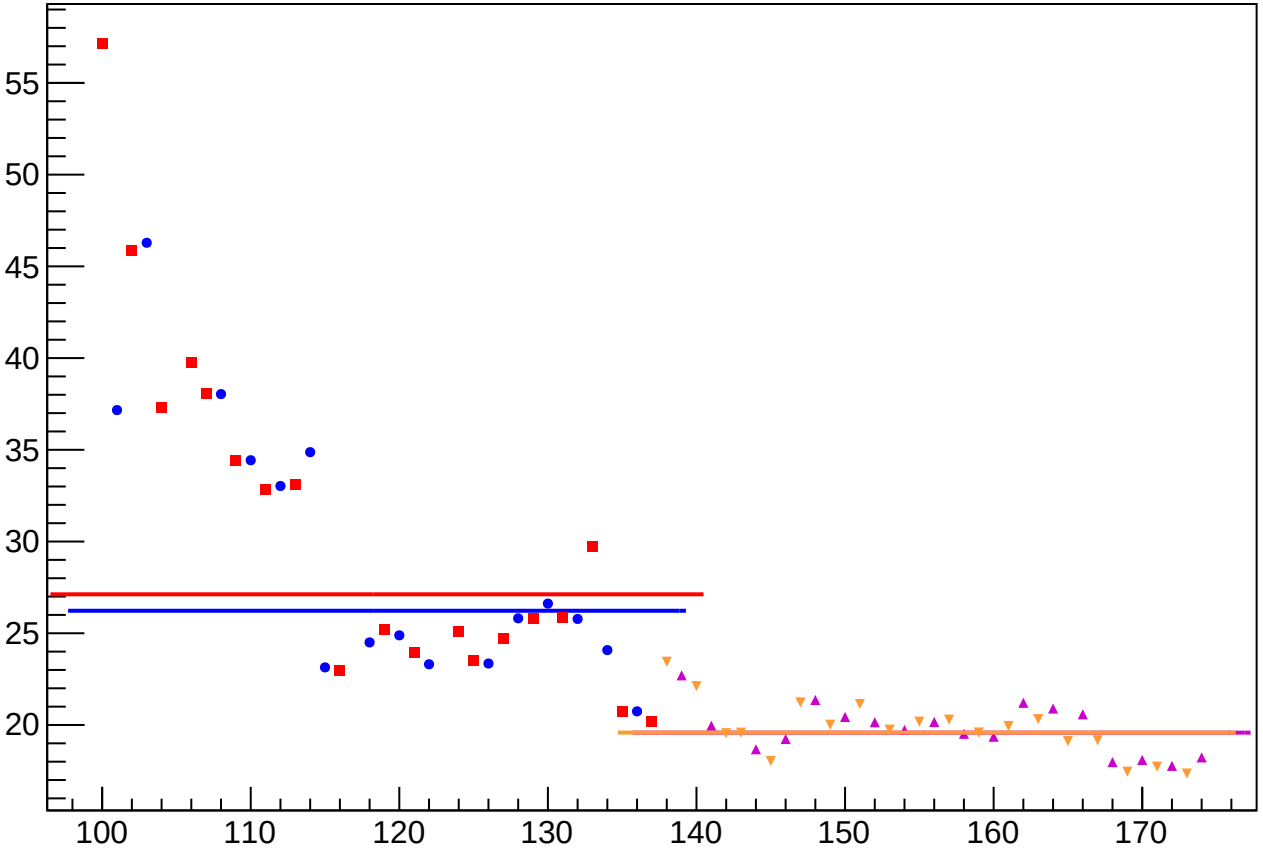
Left In: 7.310+/-5.102 χ^2/NDF:16.5/17

\+ sign 4.484+/-4.533 χ^2/NDF: 41.2/34

All: 6.670+/-3.218 χ^2/NDF: 76.6/71

\- 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: 19.587+/-0.004 χ^2/NDF:170519.9/18

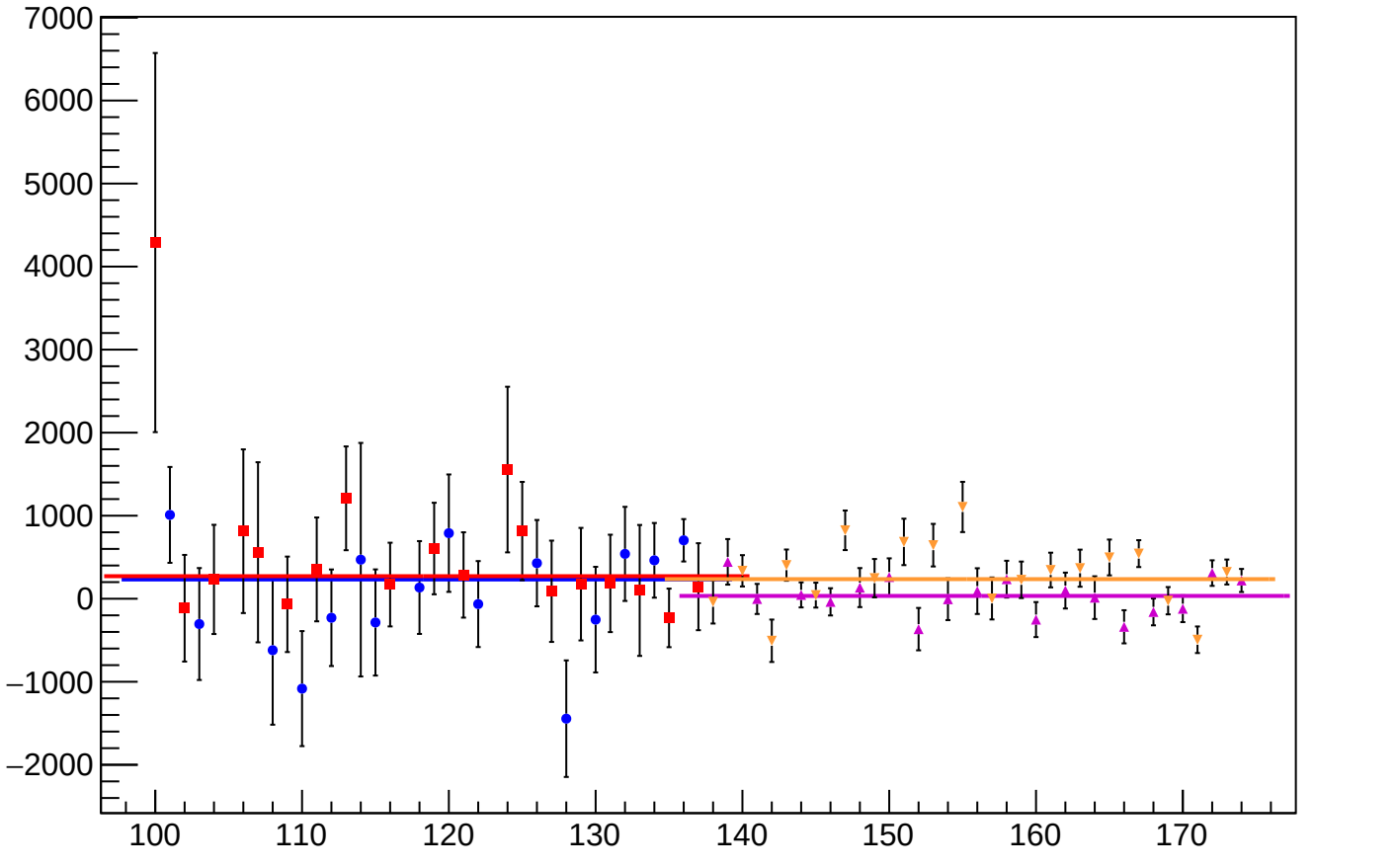
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.582+/-0.004 χ^2/NDF:122500.1/17

+ sign 20.938+/-0.003 χ^2/NDF: 1542252.6/34

All: 21.006+/-0.002 χ^2/NDF: 3276407.3/71

- 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: 235.884+/-46.349 χ^2/NDF:61.9/18

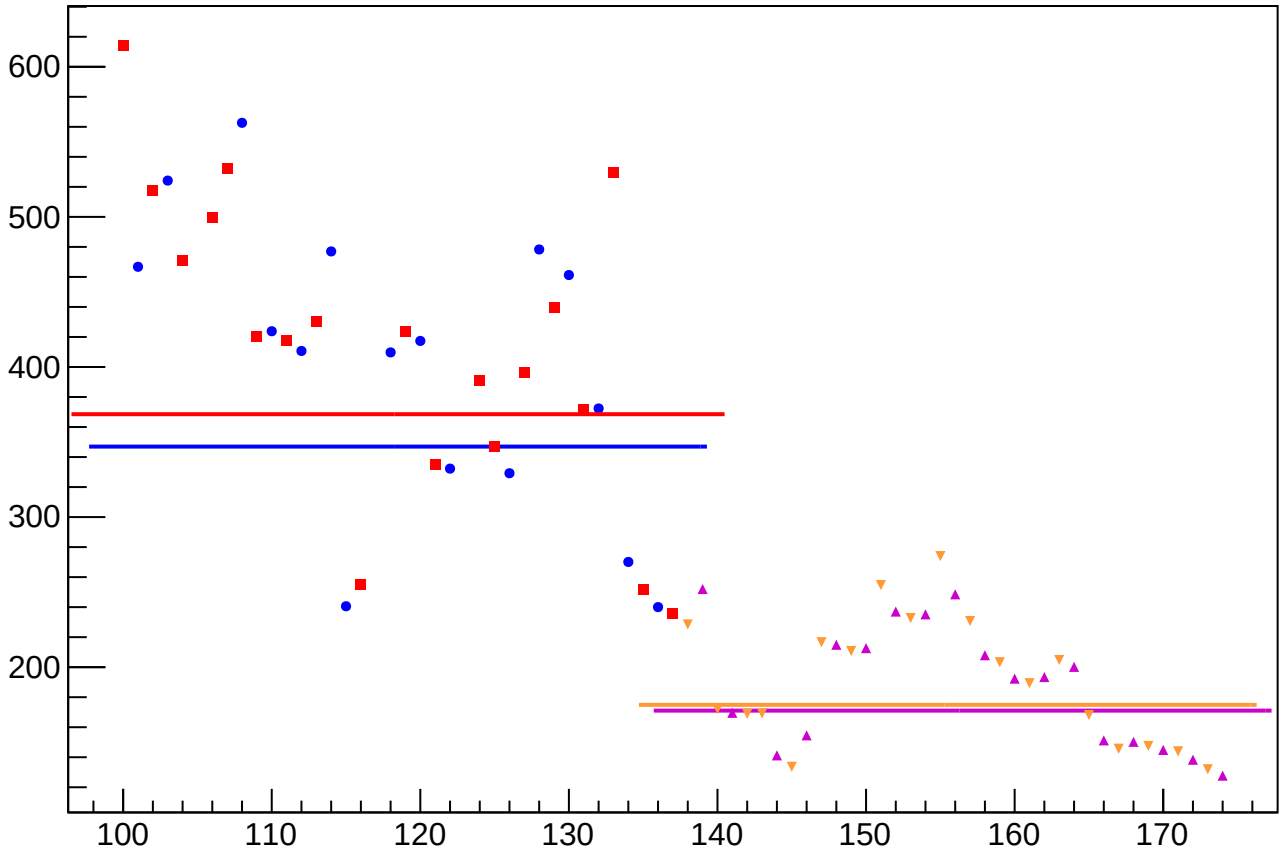
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 33.709+/-45.538 χ^2/NDF:19.7/17

+ sign 235.483+/-43.833 χ^2/NDF: 81.6/34

All: 144.867+/-30.808 χ^2/NDF: 124.0/71

- 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: 174.906+/-0.033 χ^2/NDF:1364641.4/18

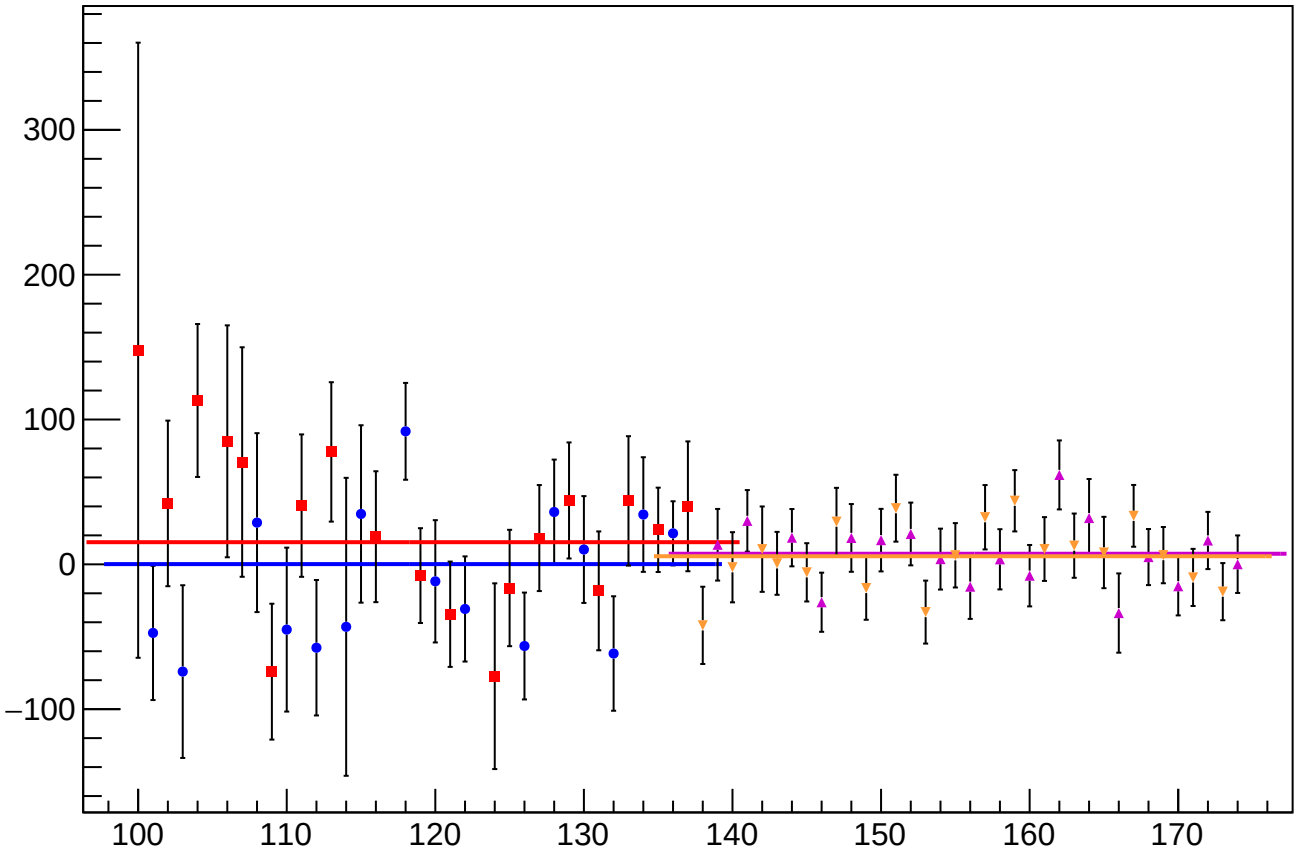
Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 171.066+/-0.032 χ^2/NDF:1346713.3/17

+ sign 193.080+/-0.031 χ^2/NDF: 5334000.2/34

All: 191.479+/-0.022 χ^2/NDF: 11176327.9/71

- 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: 5.590+/-5.079 χ^2/NDF:19.7/18

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

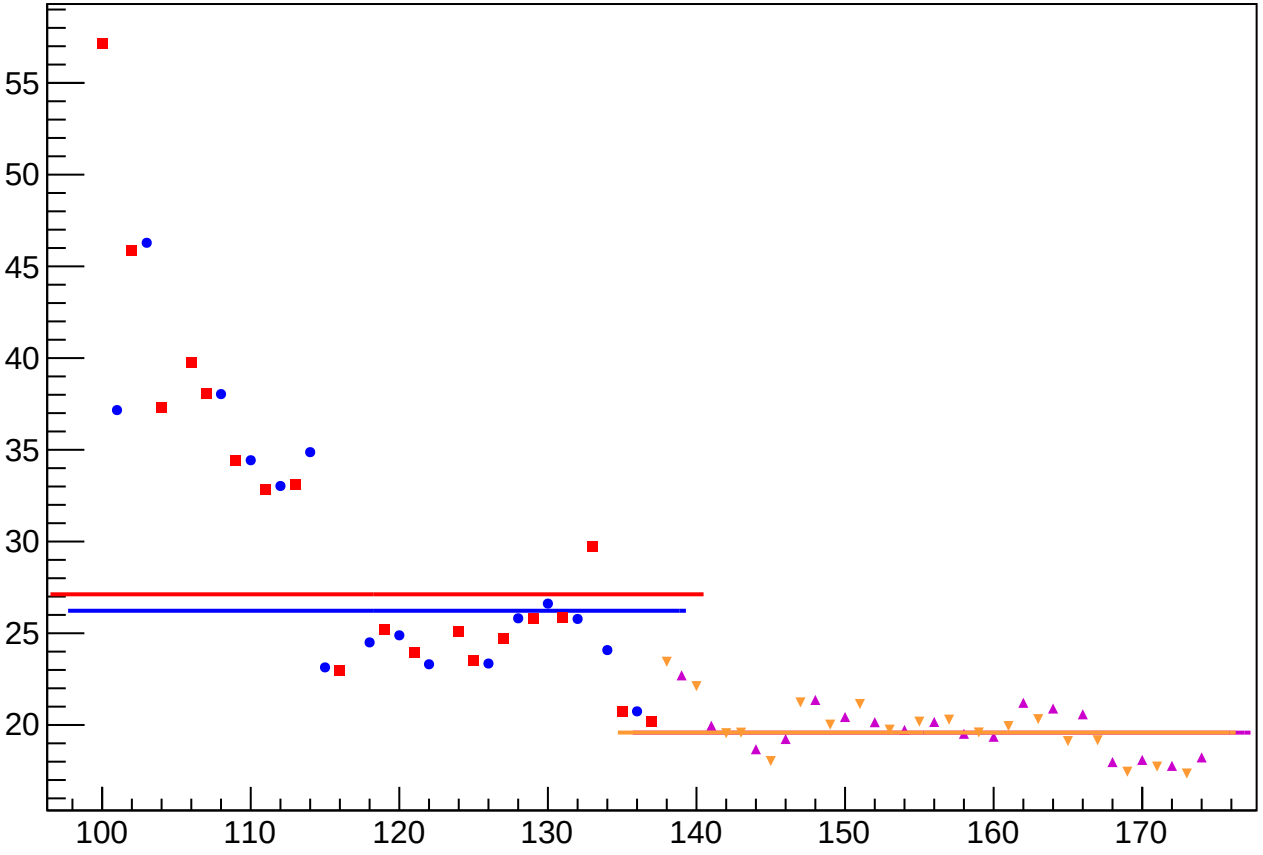
Left In: 7.310+/-5.102 χ^2/NDF:16.5/17

\+ sign 4.484+/-4.533 χ^2/NDF: 41.2/34

All: 6.670+/-3.218 χ^2/NDF: 76.6/71

\- 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: 19.587+/-0.004 χ^2/NDF:170519.9/18

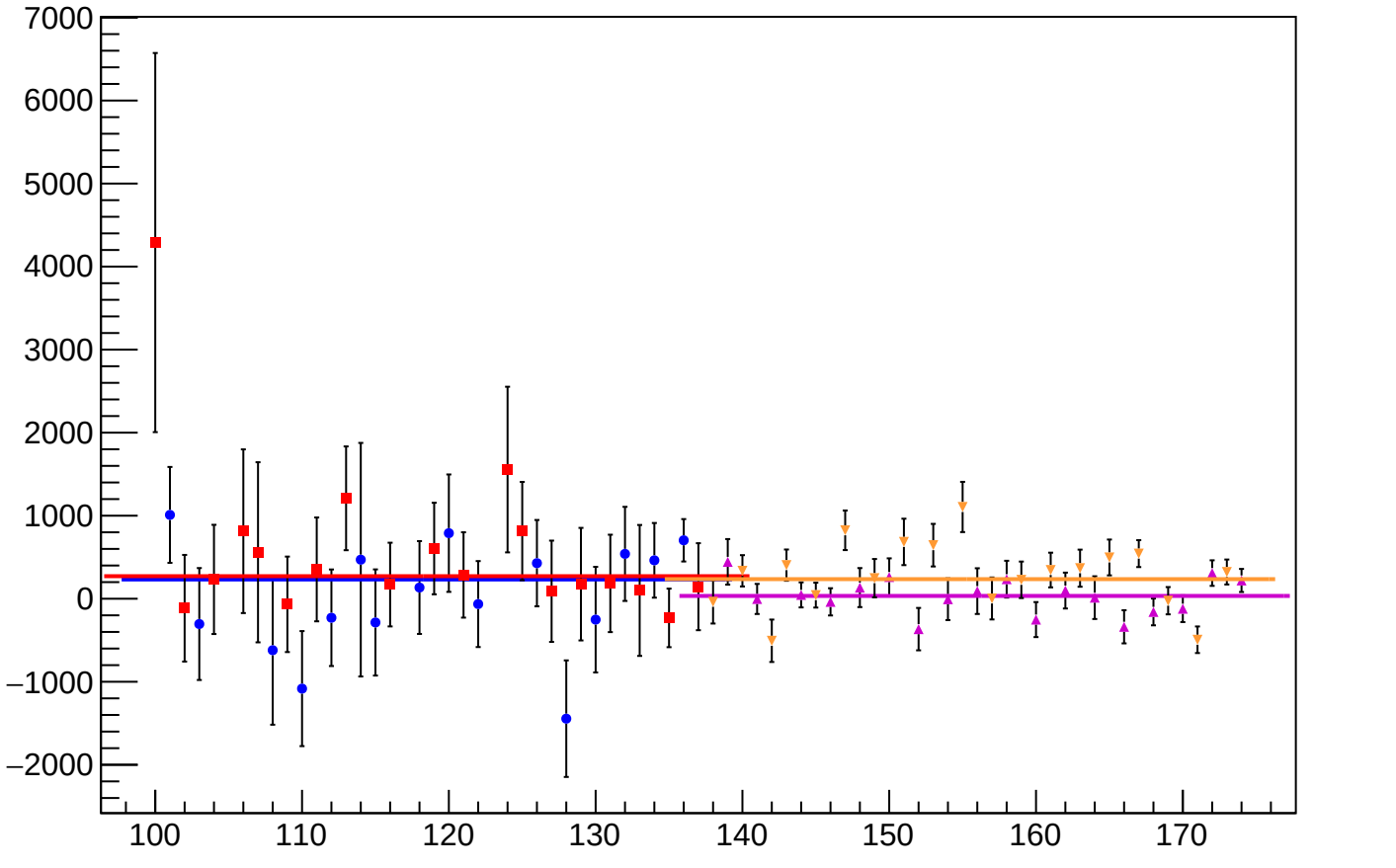
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.582+/-0.004 χ^2/NDF:122500.1/17

+ sign 20.938+/-0.003 χ^2/NDF: 1542252.6/34

All: 21.006+/-0.002 χ^2/NDF: 3276407.3/71

- 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: 235.884+/-46.349 χ^2/NDF:61.9/18

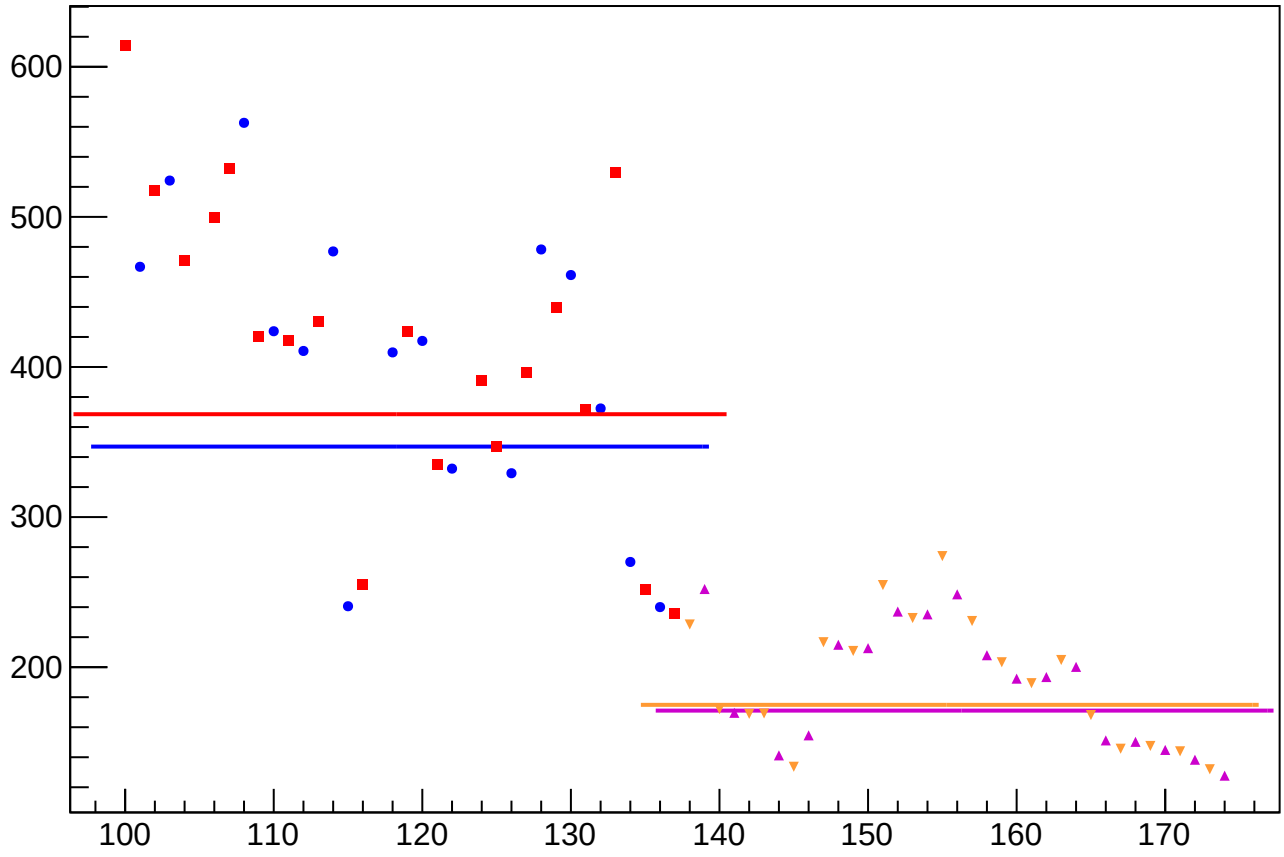
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 33.709+/-45.538 χ^2/NDF:19.7/17

+ sign 235.483+/-43.833 χ^2/NDF: 81.6/34

All: 144.867+/-30.808 χ^2/NDF: 124.0/71

- 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: 174.906+/-0.033 χ^2/NDF:1364641.4/18

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

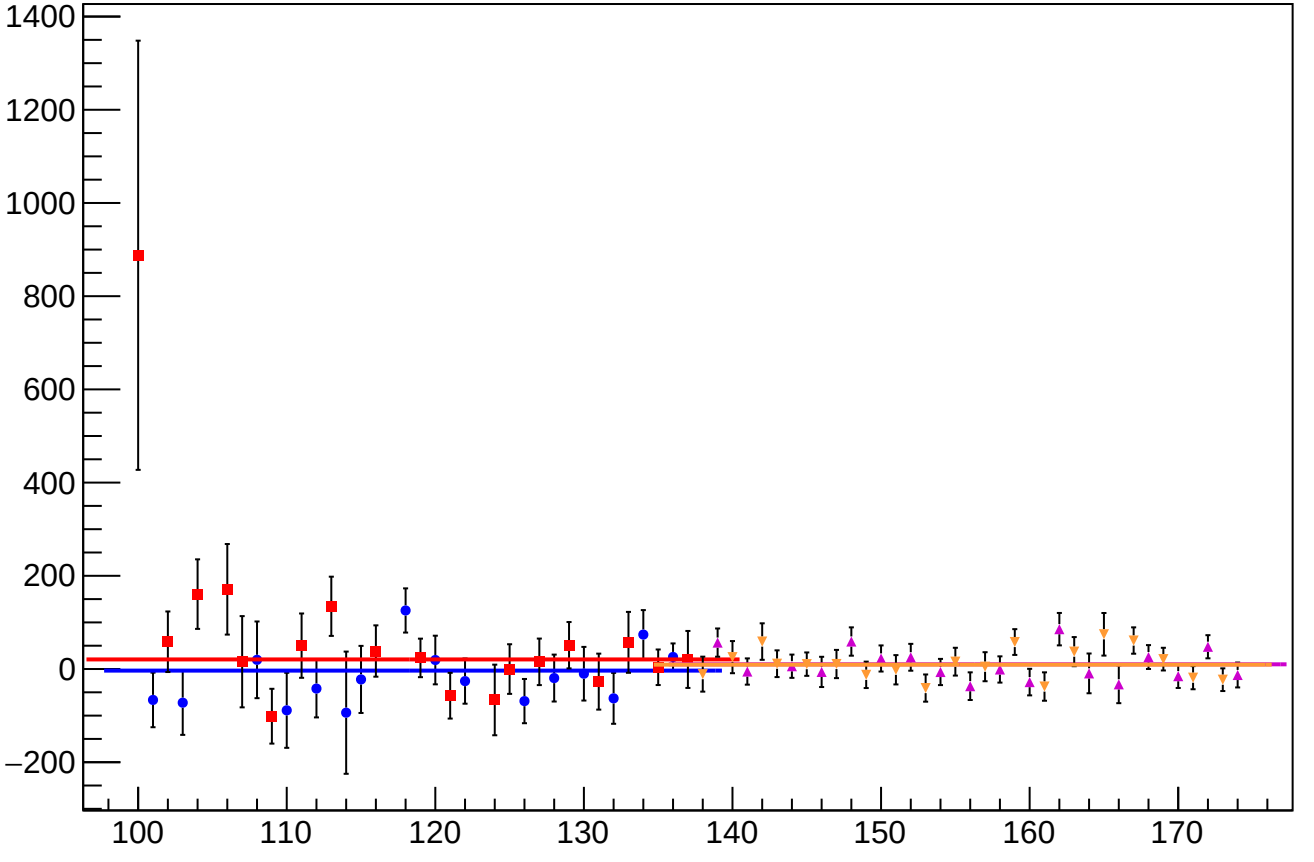
Left In: 171.066+/-0.032 χ^2/NDF:1346713.3/17

+ sign 193.080+/-0.031 χ^2/NDF: 5334000.2/34

All: 191.479+/-0.022 χ^2/NDF: 11176327.9/71

- 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: 9.345+/-6.770 χ^2/NDF:20.8/18

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

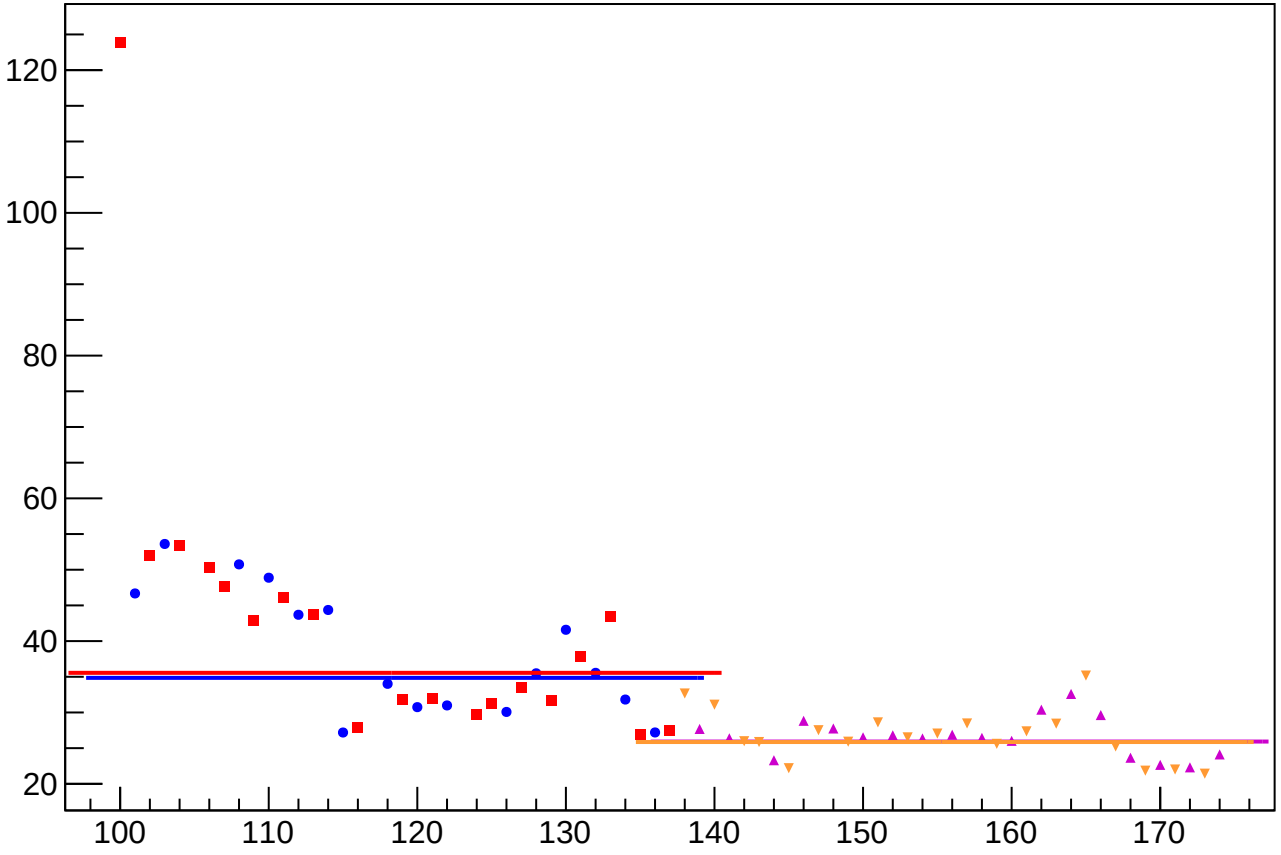
Left In: 10.077+/-6.829 χ^2/NDF:21.2/17

+ sign 6.747+/-6.042 χ^2/NDF: 40.0/34

All: 9.461+/-4.290 χ^2/NDF: 85.2/71

- 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: 25.859+/-0.005 χ^2/NDF:465334.2/18

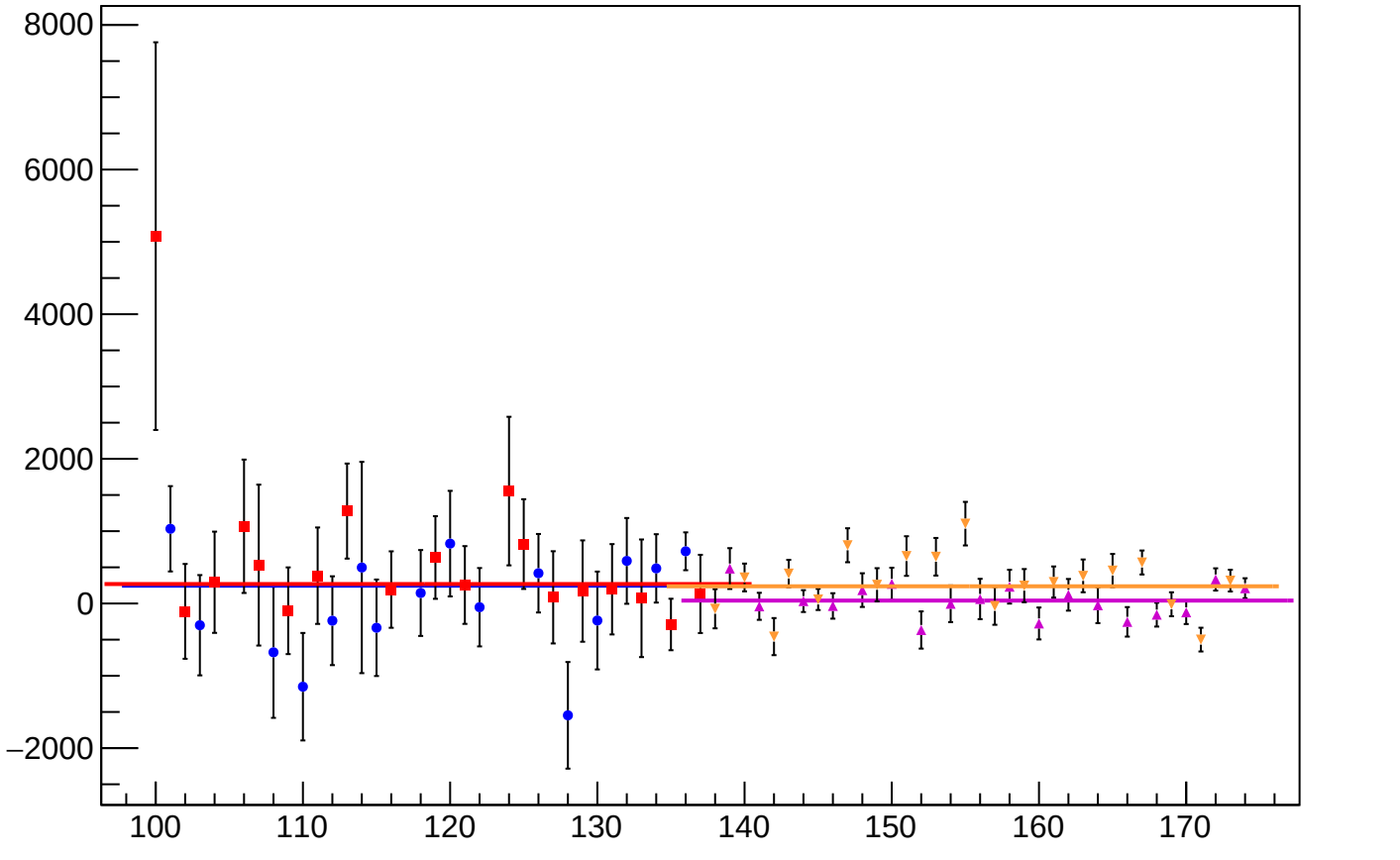
Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 25.925+/-0.005 χ^2/NDF:257738.9/17

+ sign 27.689+/-0.004 χ^2/NDF: 1841558.3/34

All: 27.790+/-0.003 χ^2/NDF: 3692698.6/71

- sign 27.892+/-0.004 χ^2/NDF: 1850011.5/36



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 237.979+/-46.897 χ^2/NDF:59.4/18

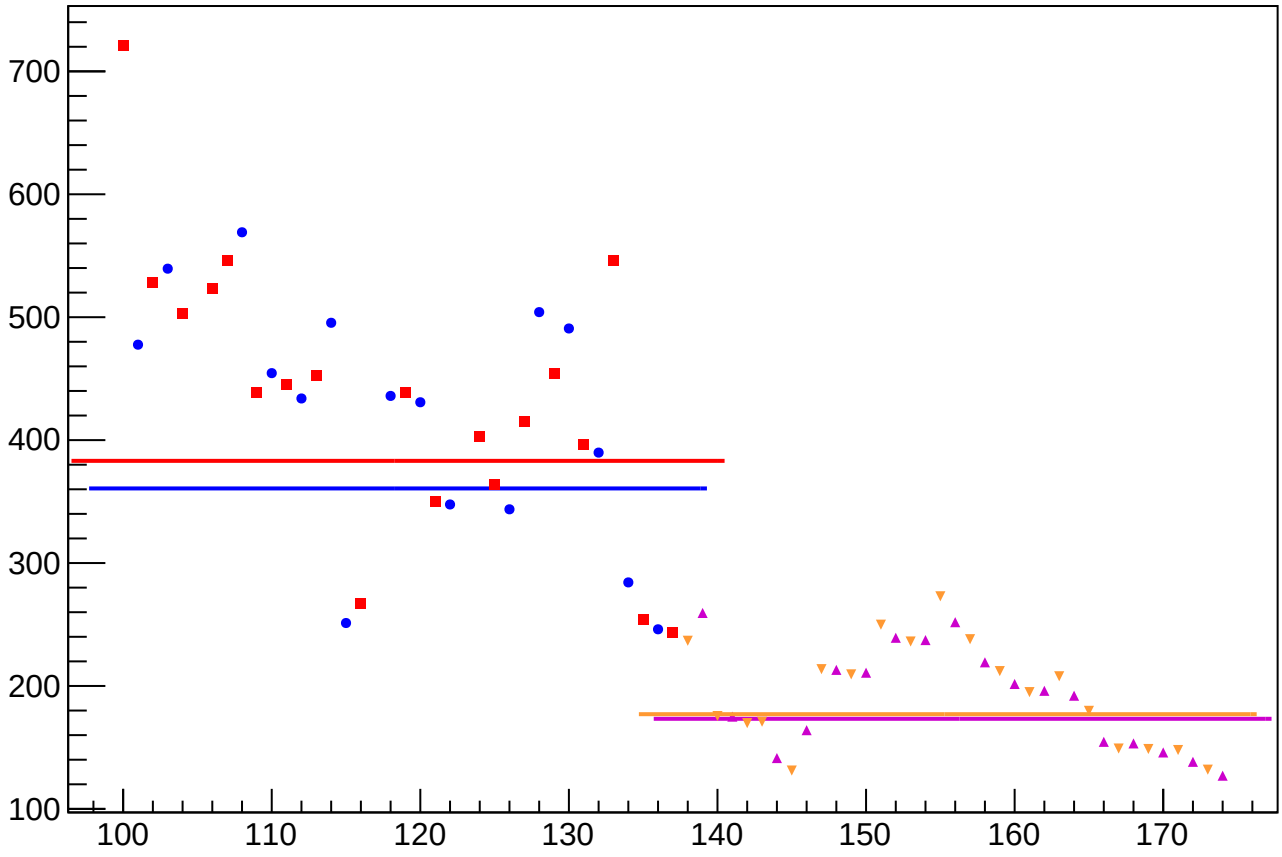
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 40.135+/-46.183 χ^2/NDF:19.4/17

+ sign 238.837+/-44.477 χ^2/NDF: 79.2/34

All: 149.050+/-31.285 χ^2/NDF: 121.5/71

- 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: 177.041+/-0.033 χ^2/NDF:1399790.0/18

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

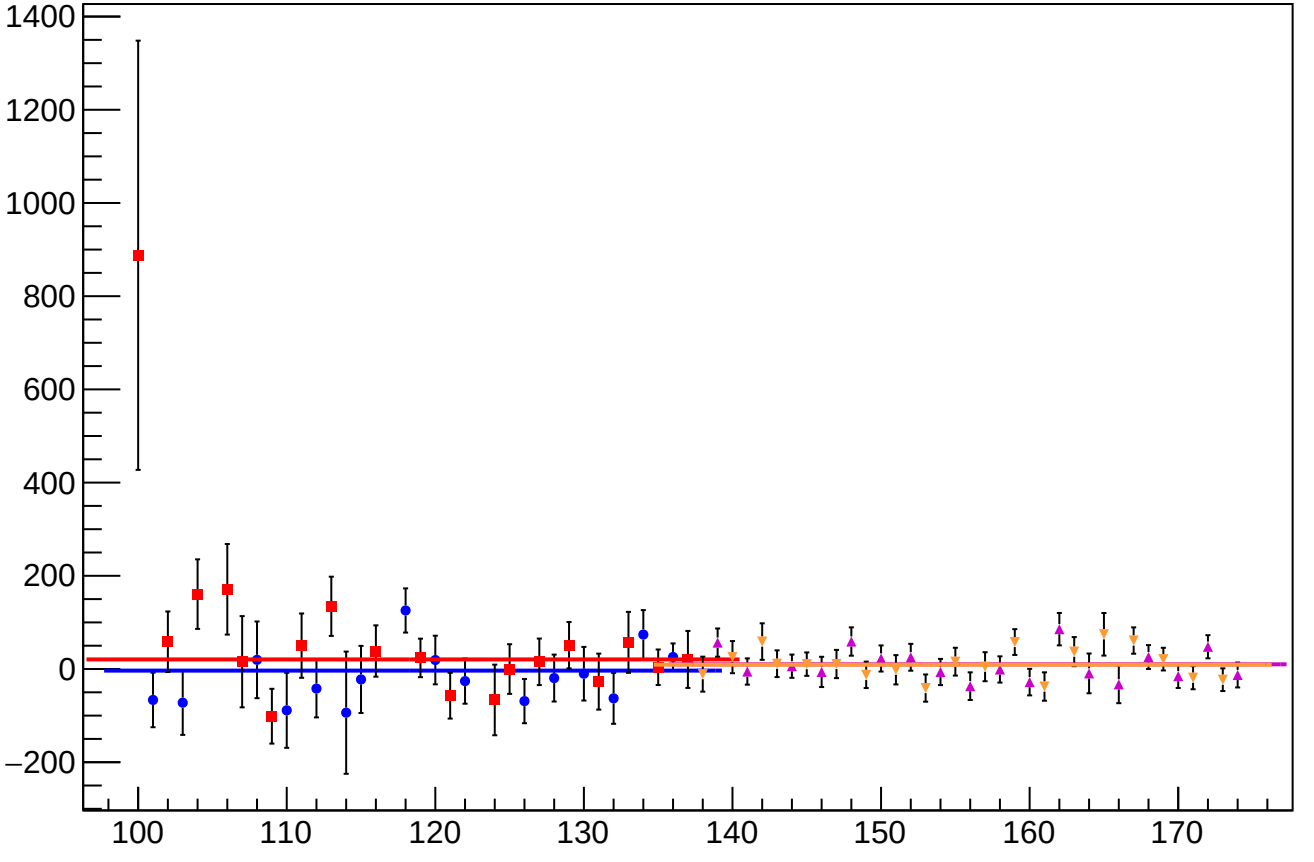
Left In: 173.287+/-0.033 χ^2/NDF:1388803.5/17

+ sign 195.505+/-0.031 χ^2/NDF: 5576037.6/34

All: 194.008+/-0.022 χ^2/NDF: 11721415.2/71

- 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: 9.346+/-6.770 χ^2/NDF:20.8/18

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

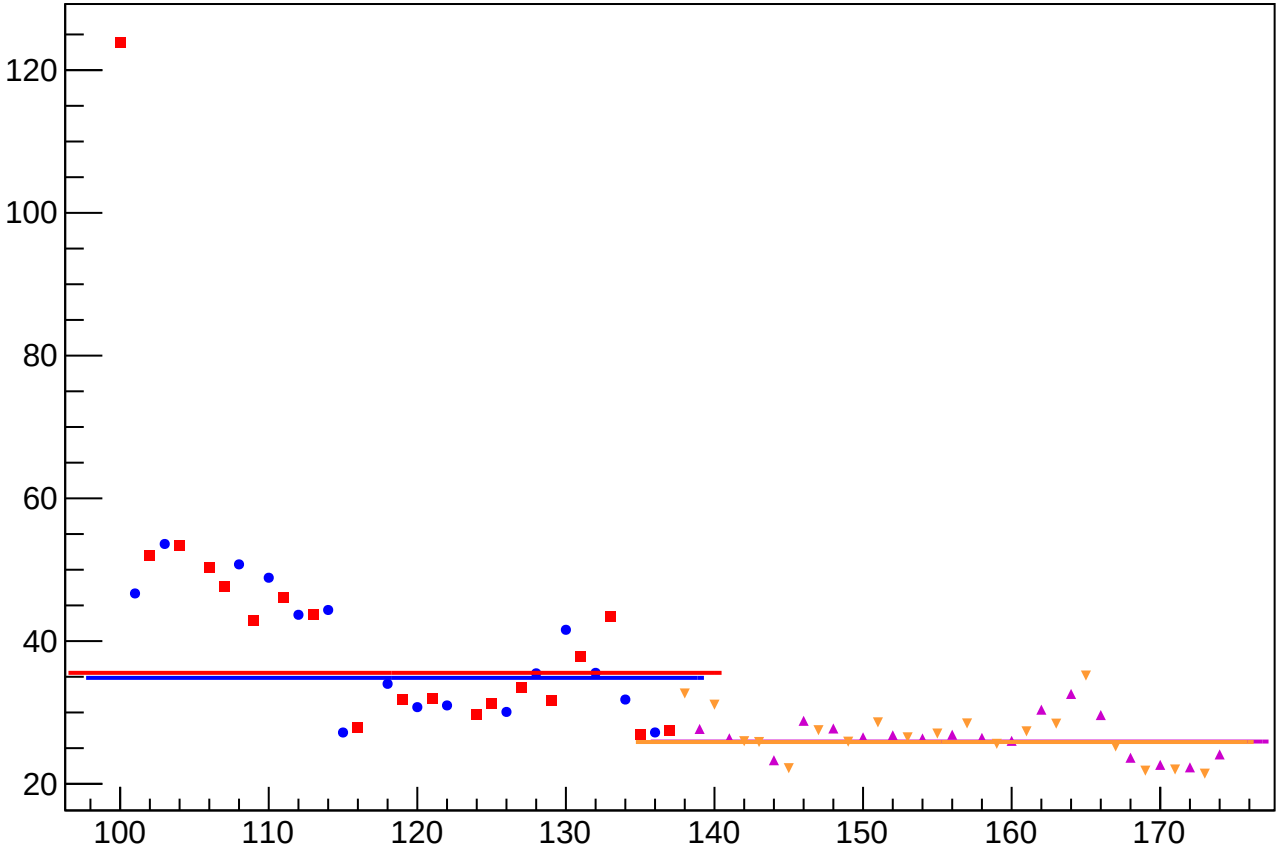
Left In: 10.077+/-6.829 χ^2/NDF:21.2/17

+ sign 6.747+/-6.042 χ^2/NDF: 40.0/34

All: 9.461+/-4.290 χ^2/NDF: 85.2/71

- 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: 25.859+/-0.005 χ^2/NDF:465325.7/18

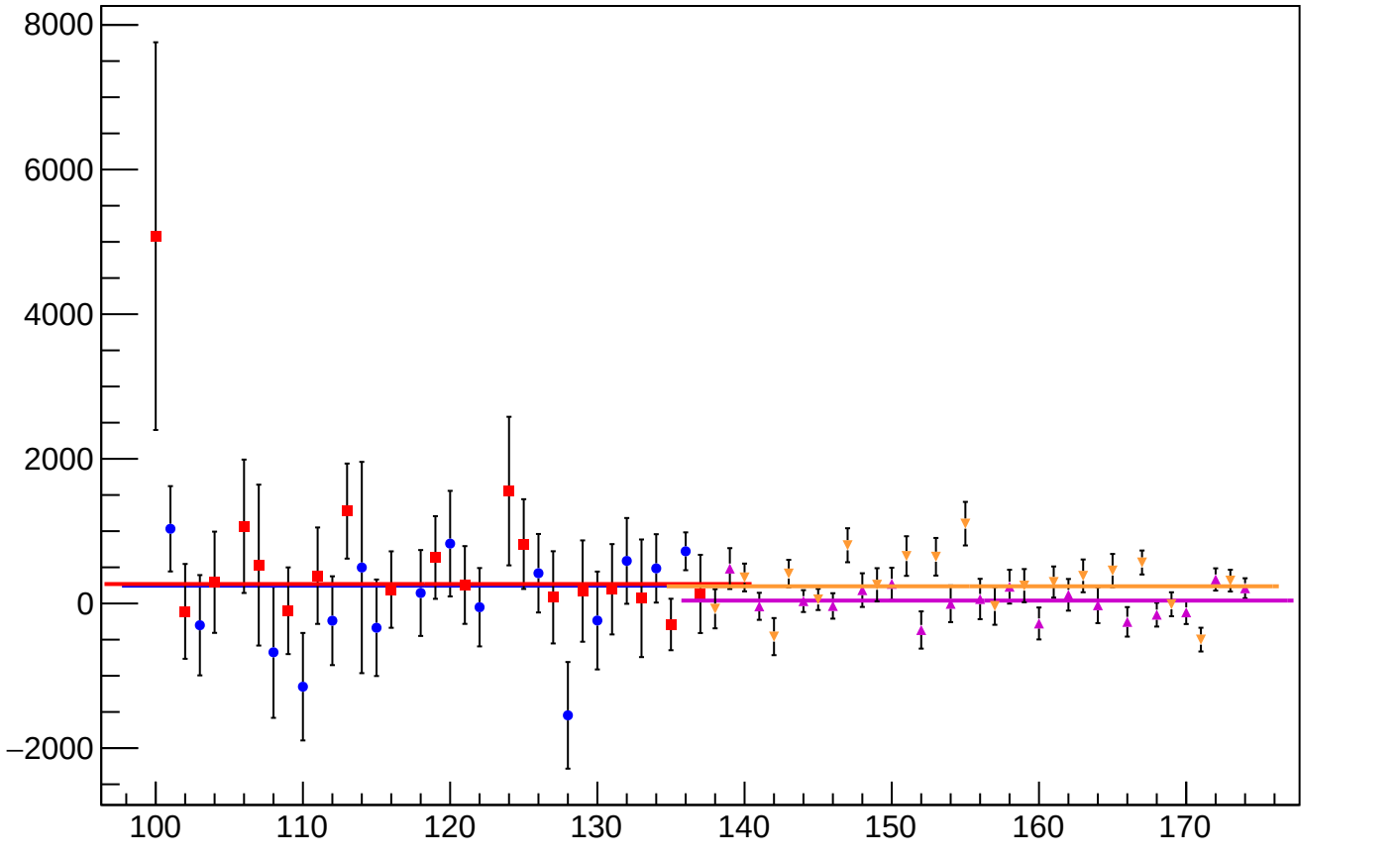
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 25.925+/-0.005 χ^2/NDF:257737.2/17

+ sign 27.689+/-0.004 χ^2/NDF: 1841422.9/34

All: 27.790+/-0.003 χ^2/NDF: 3692467.5/71

- 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: 237.979+/-46.897 χ^2/NDF:59.4/18

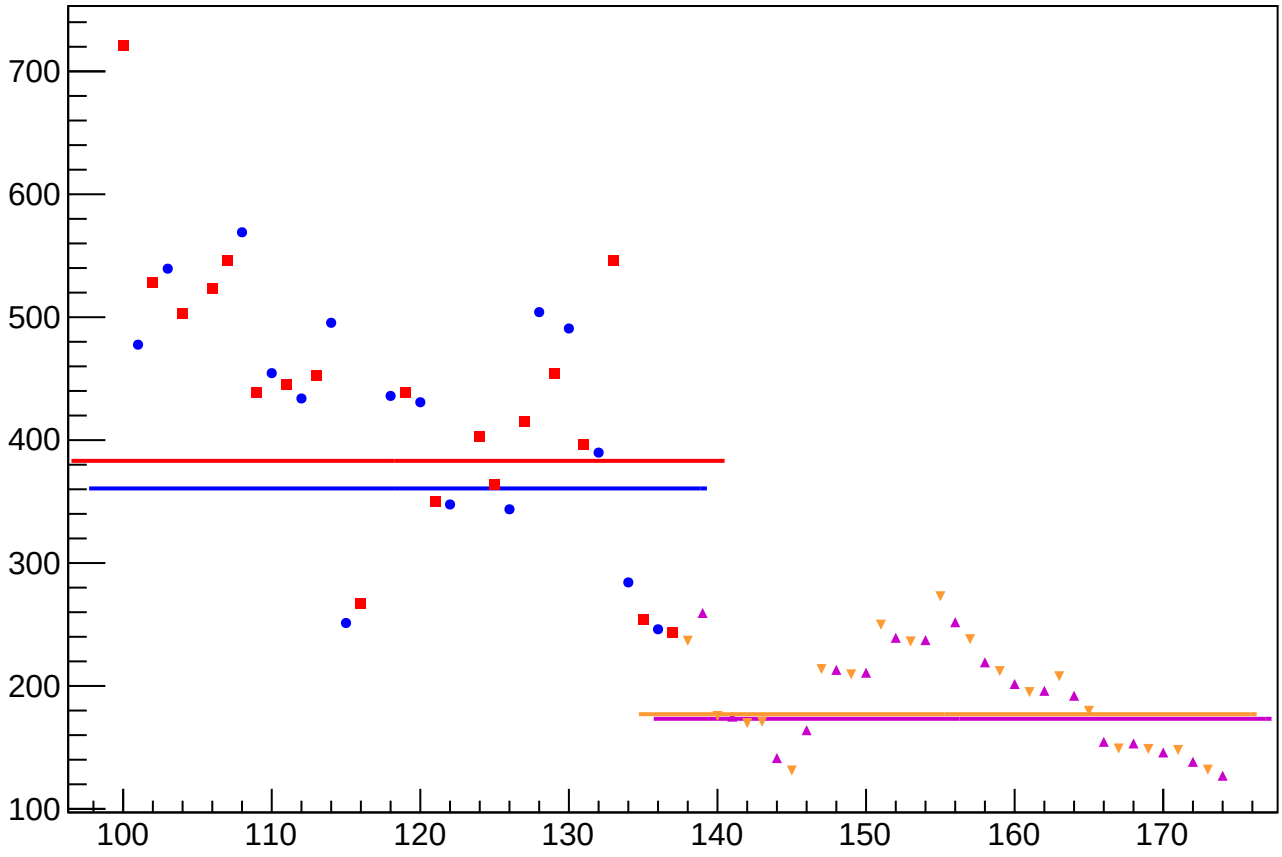
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 40.135+/-46.183 χ^2/NDF:19.4/17

+ sign 238.836+/-44.477 χ^2/NDF: 79.2/34

All: 149.050+/-31.285 χ^2/NDF: 121.5/71

- 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: 177.041+/-0.033 χ^2/NDF:1399807.8/18

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

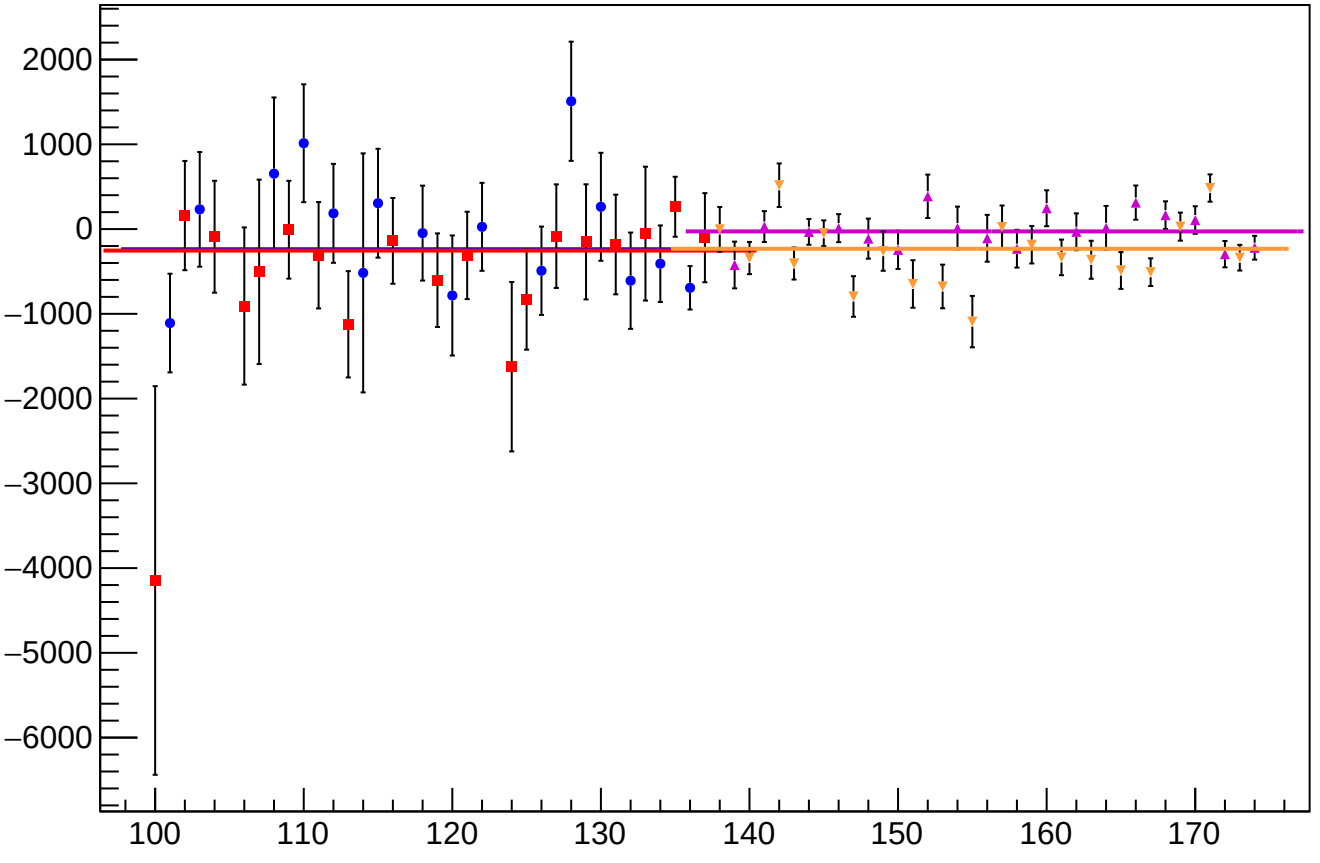
Left In: 173.287+/-0.033 χ^2/NDF:1388818.4/17

+ sign 195.504+/-0.031 χ^2/NDF: 5576050.8/34

All: 194.008+/-0.022 χ^2/NDF: 11721445.9/71

- 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: -232.306+/-46.662 χ^2/NDF:59.3/18

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

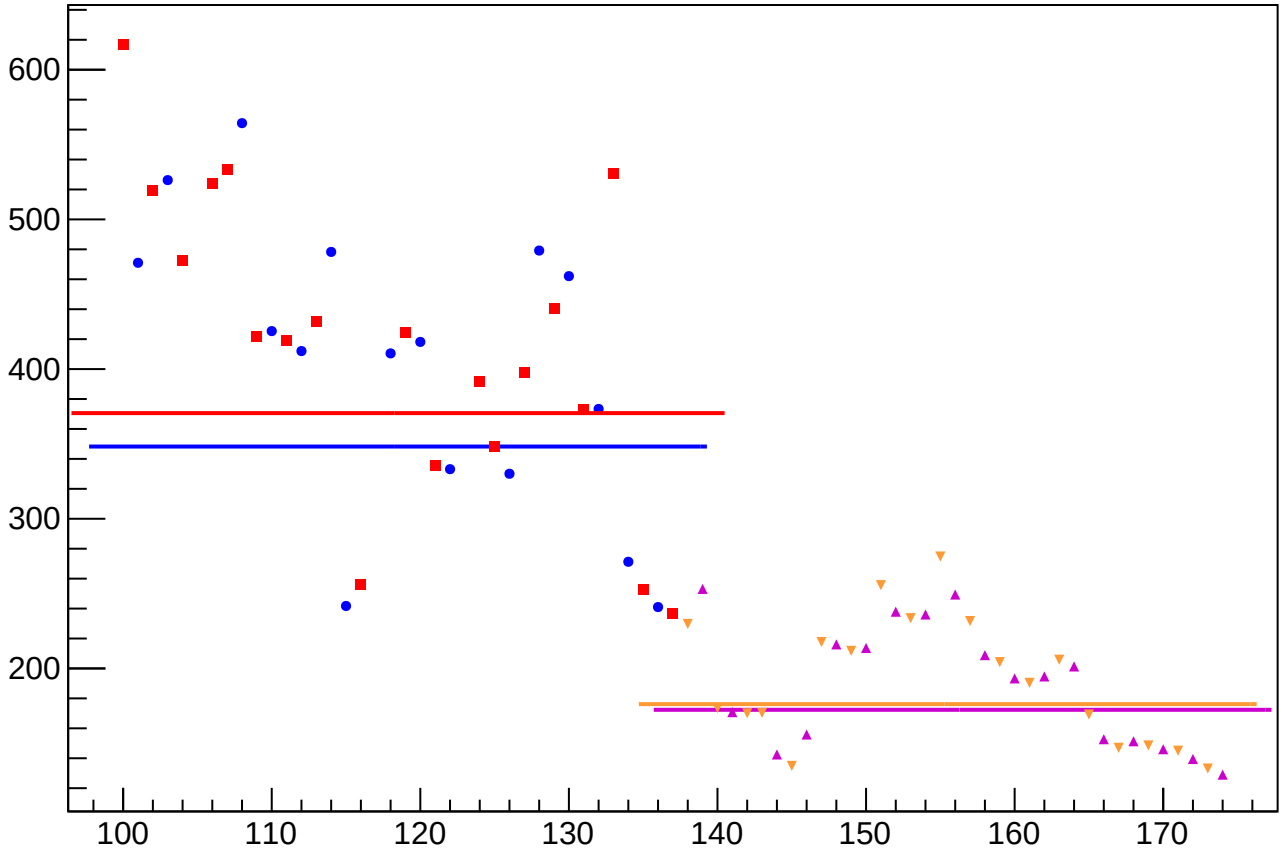
Left In: -27.393+/-45.863 χ^2/NDF:18.3/17

+ sign -232.915+/-44.114 χ^2/NDF: 79.2/34

All: -139.967+/-31.009 χ^2/NDF: 120.3/71

- 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: 176.163+/-0.033 χ^2/NDF:1342778.1/18

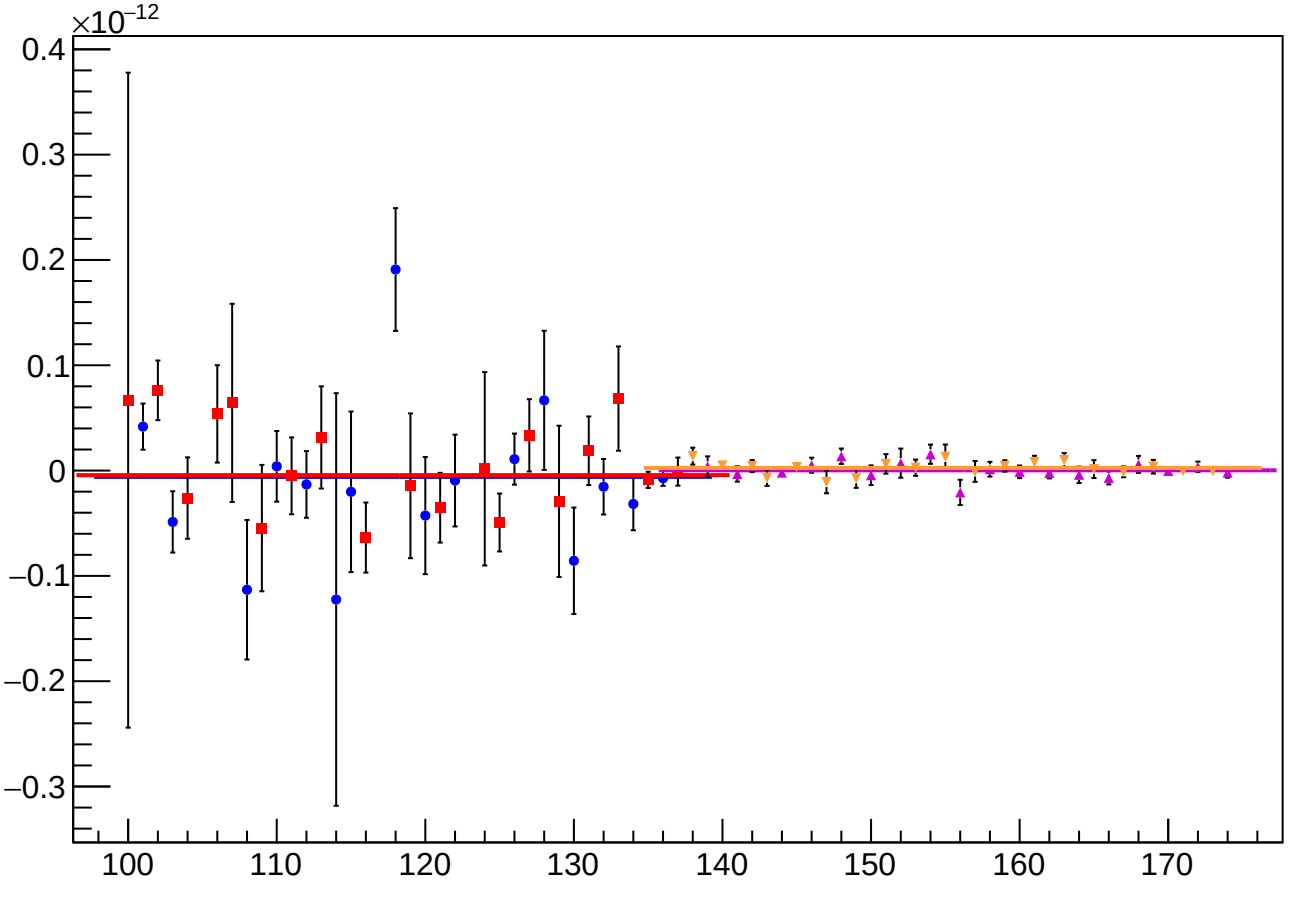
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 172.369+/-0.032 χ^2/NDF:1322251.7/17

+ sign 194.444+/-0.031 χ^2/NDF: 5289320.2/34

All: 192.943+/-0.022 χ^2/NDF: 11135381.2/71

- 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:11.6/18

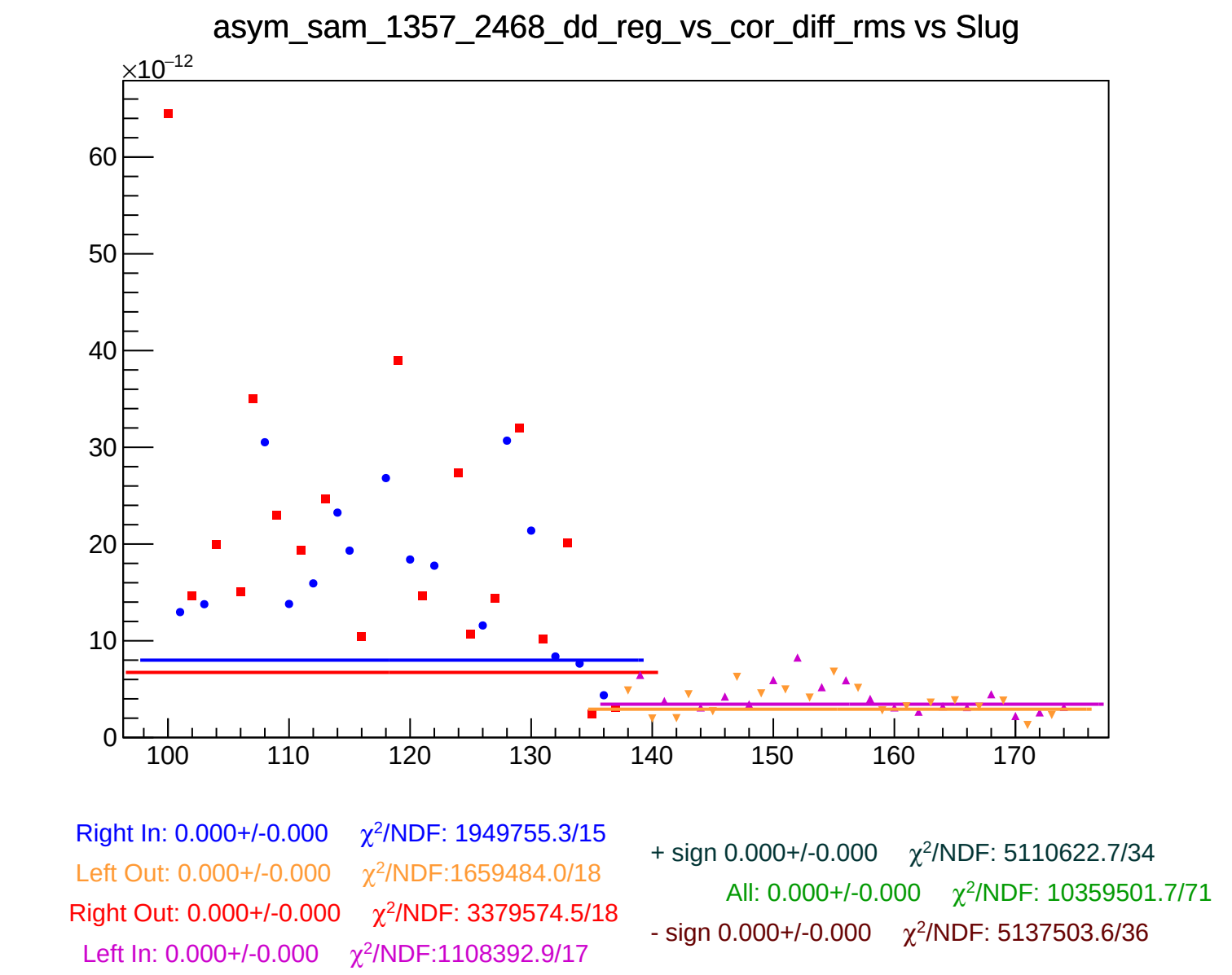
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 41.0/34

All: 0.000+/-0.000 χ^2/NDF: 79.5/71

- sign -0.000+/-0.000 χ^2/NDF: 37.4/36


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
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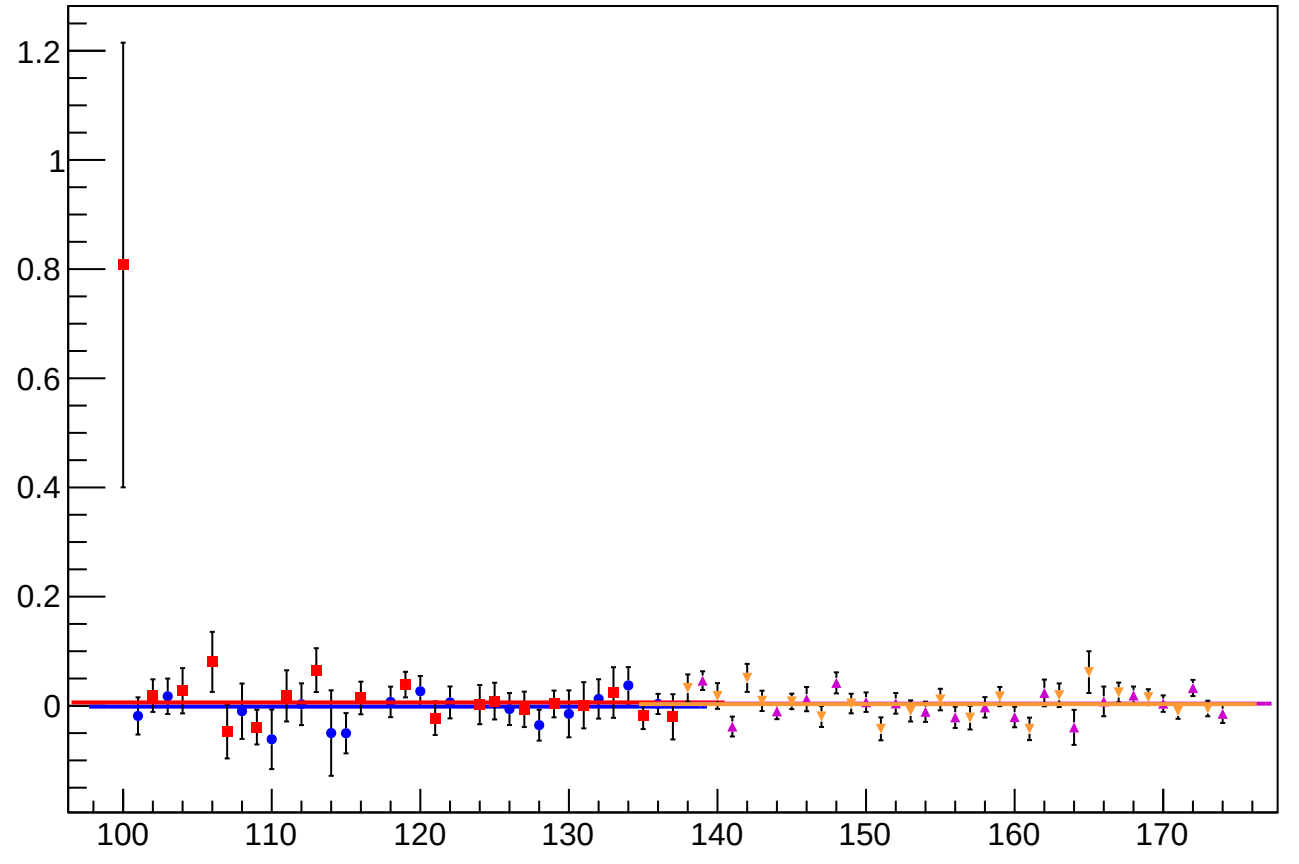
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1659484.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:1108392.9/17
+ sign 0.000+/-0.000 χ²/NDF: 5110622.7/34
All: 0.000+/-0.000 χ²/NDF: 10359501.7/71
- sign 0.000+/-0.000 χ²/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:25.2/18

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

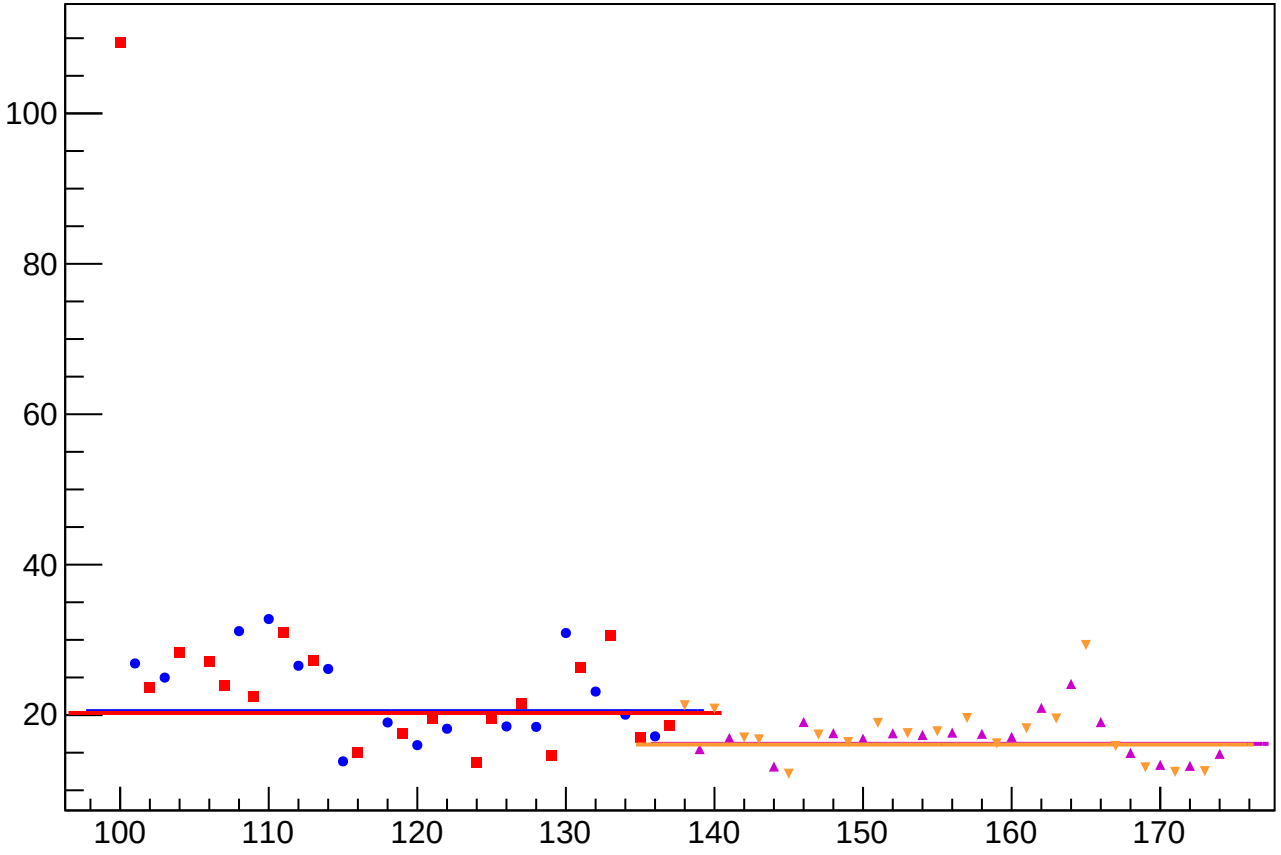
Left In: 0.004+/-0.004 χ^2/NDF:28.8/17

+ sign 0.002+/-0.004 χ^2/NDF: 33.7/34

All: 0.003+/-0.003 χ^2/NDF: 79.0/71

- 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: 16.084+/-0.003 χ^2/NDF:1107558.7/18

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

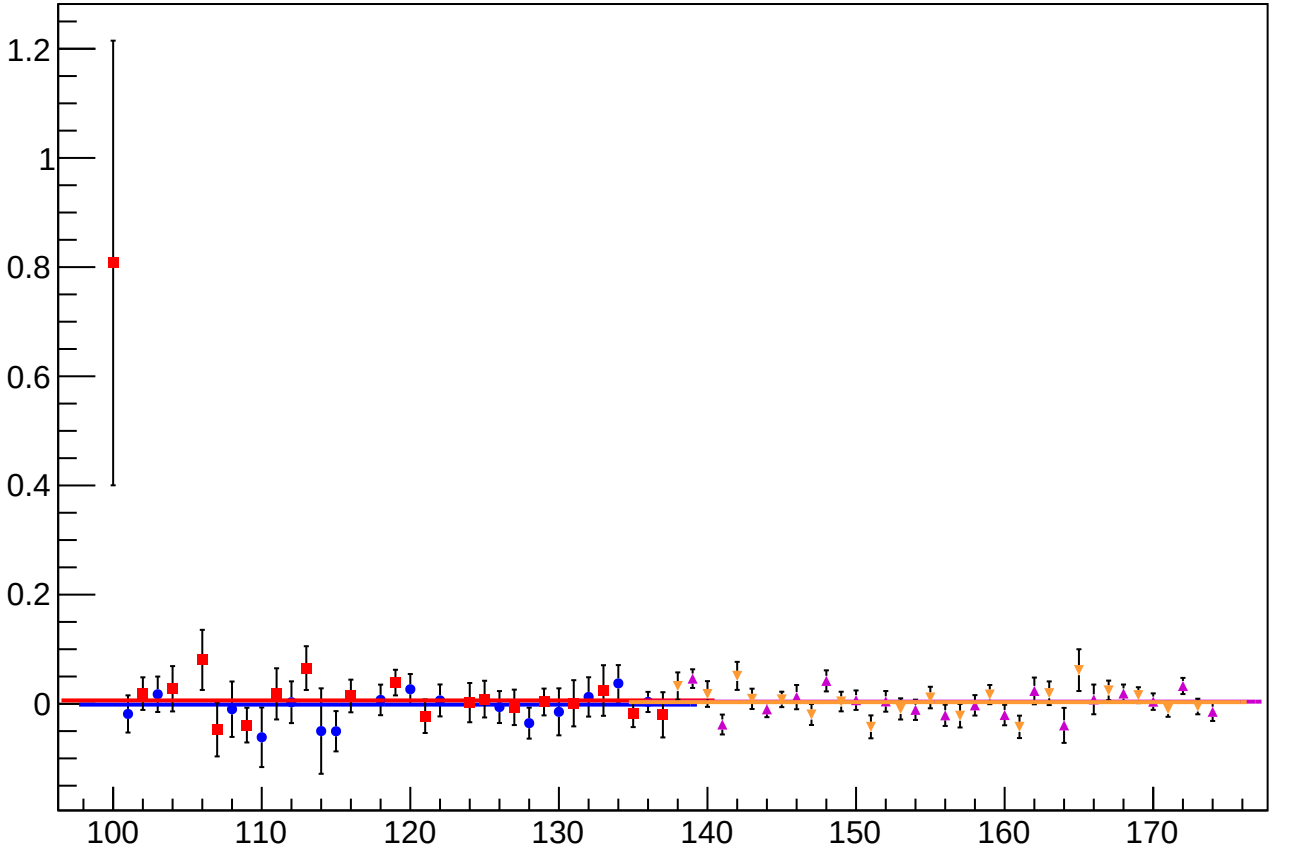
Left In: 16.175+/-0.003 χ^2/NDF:580886.8/17

+ sign 17.064+/-0.003 χ^2/NDF: 2285862.9/34

All: 17.095+/-0.002 χ^2/NDF: 4148326.8/71

- sign 17.127+/-0.003 χ^2/NDF: 1862191.8/36

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/18

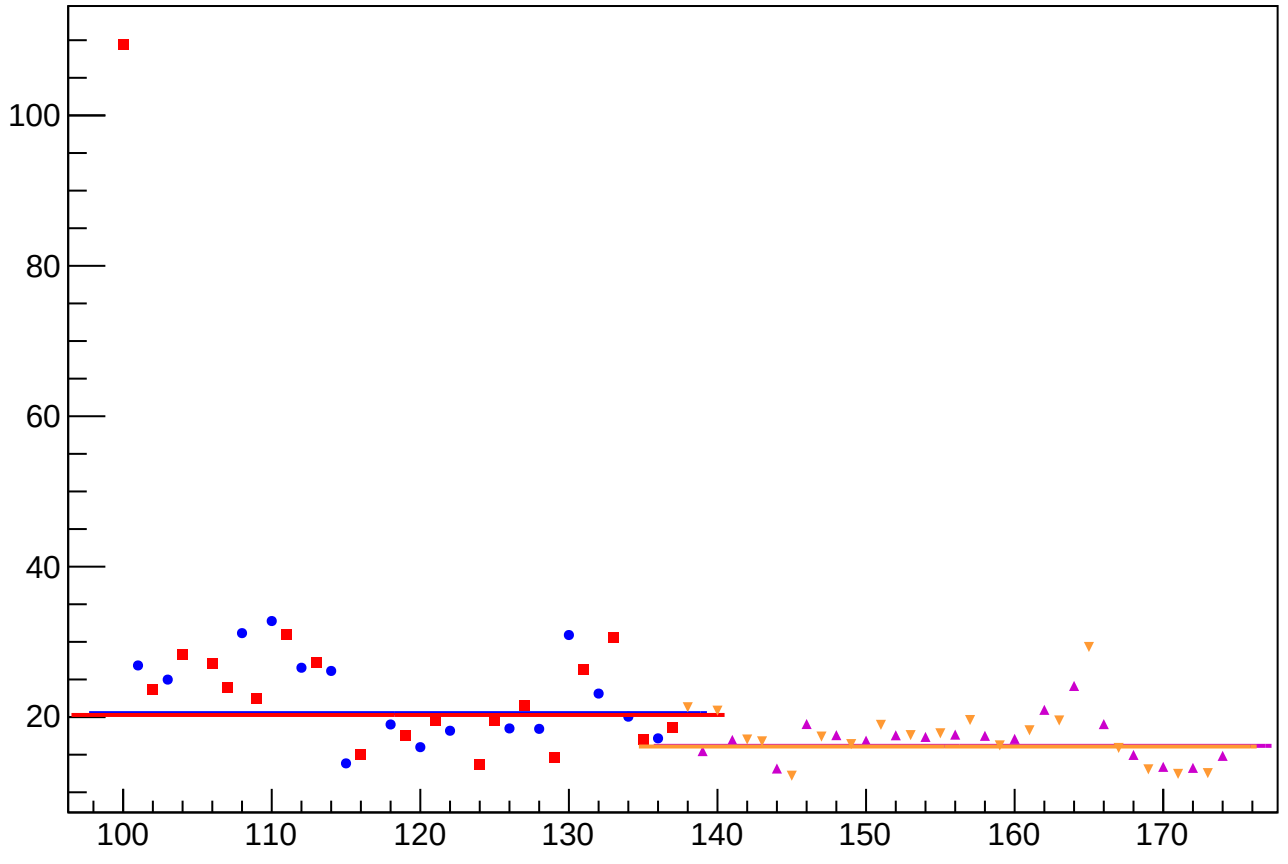
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.004+/-0.004 χ^2/NDF:28.8/17

+ sign 0.002+/-0.004 χ^2/NDF: 33.7/34

All: 0.003+/-0.003 χ^2/NDF: 79.0/71

- 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: 16.084+/-0.003 χ^2/NDF:1107558.7/18

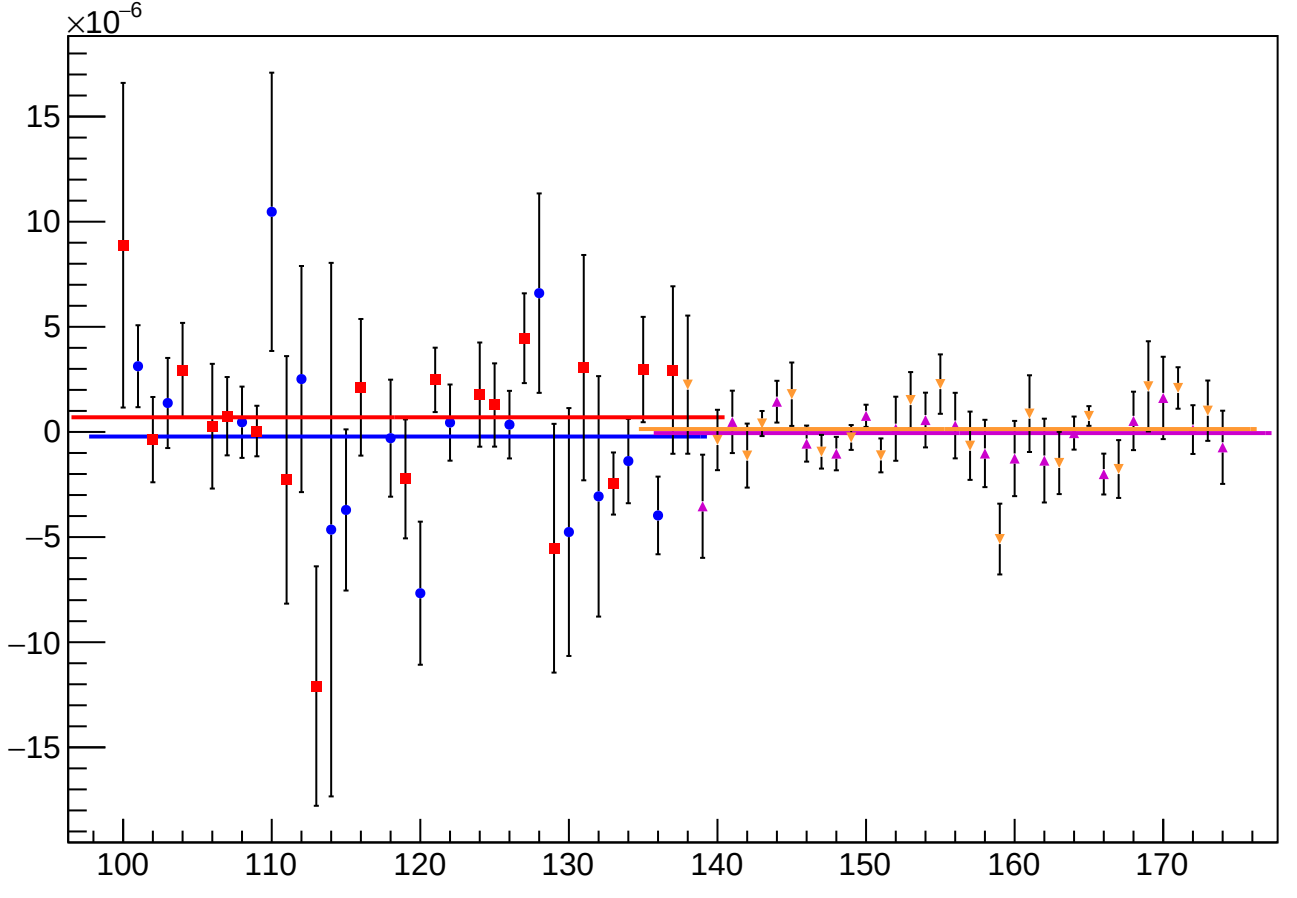
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.175+/-0.003 χ^2/NDF:580886.8/17

+ sign 17.064+/-0.003 χ^2/NDF: 2285862.9/34

All: 17.095+/-0.002 χ^2/NDF: 4148326.8/71

- 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:30.8/18

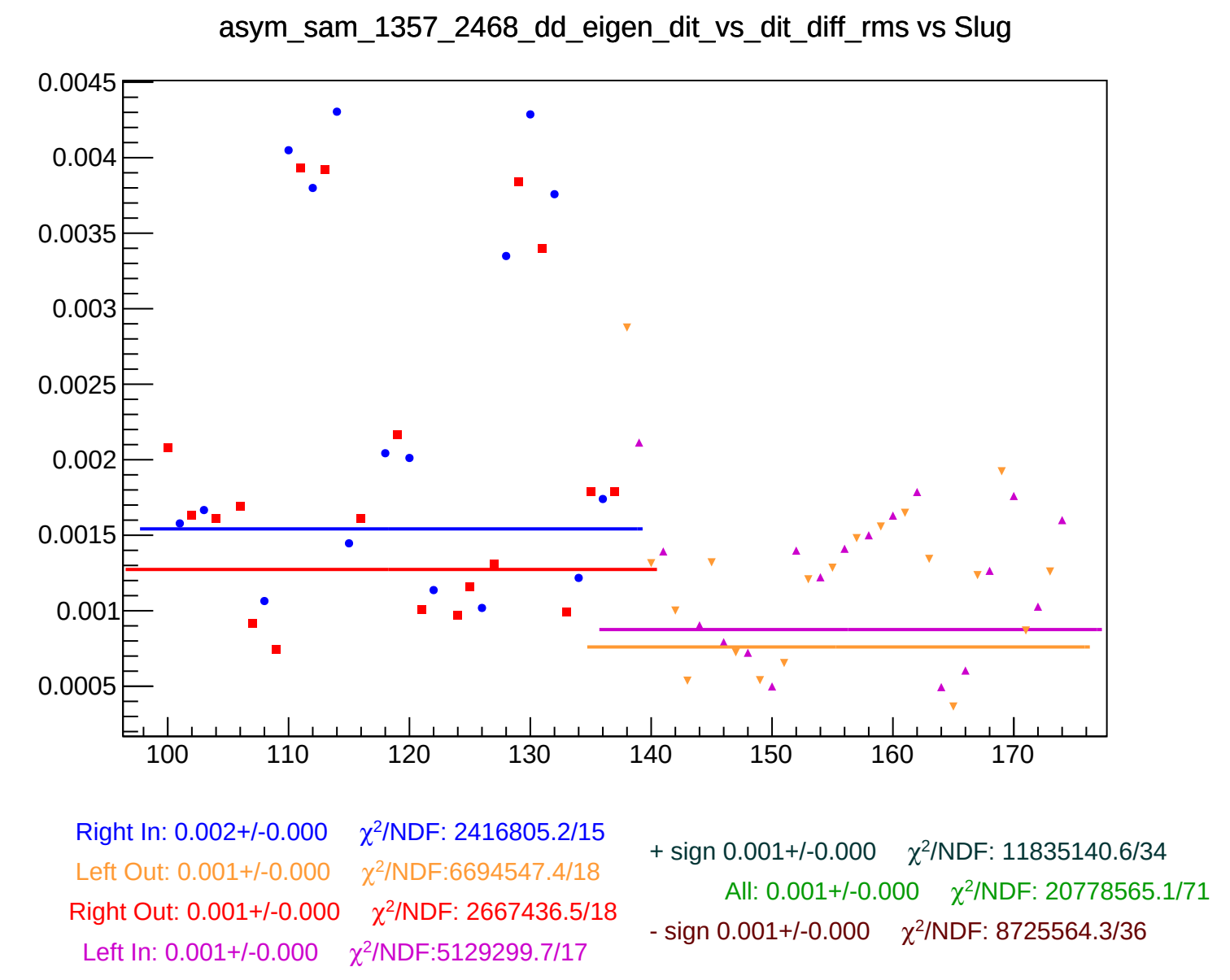
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:15.3/17

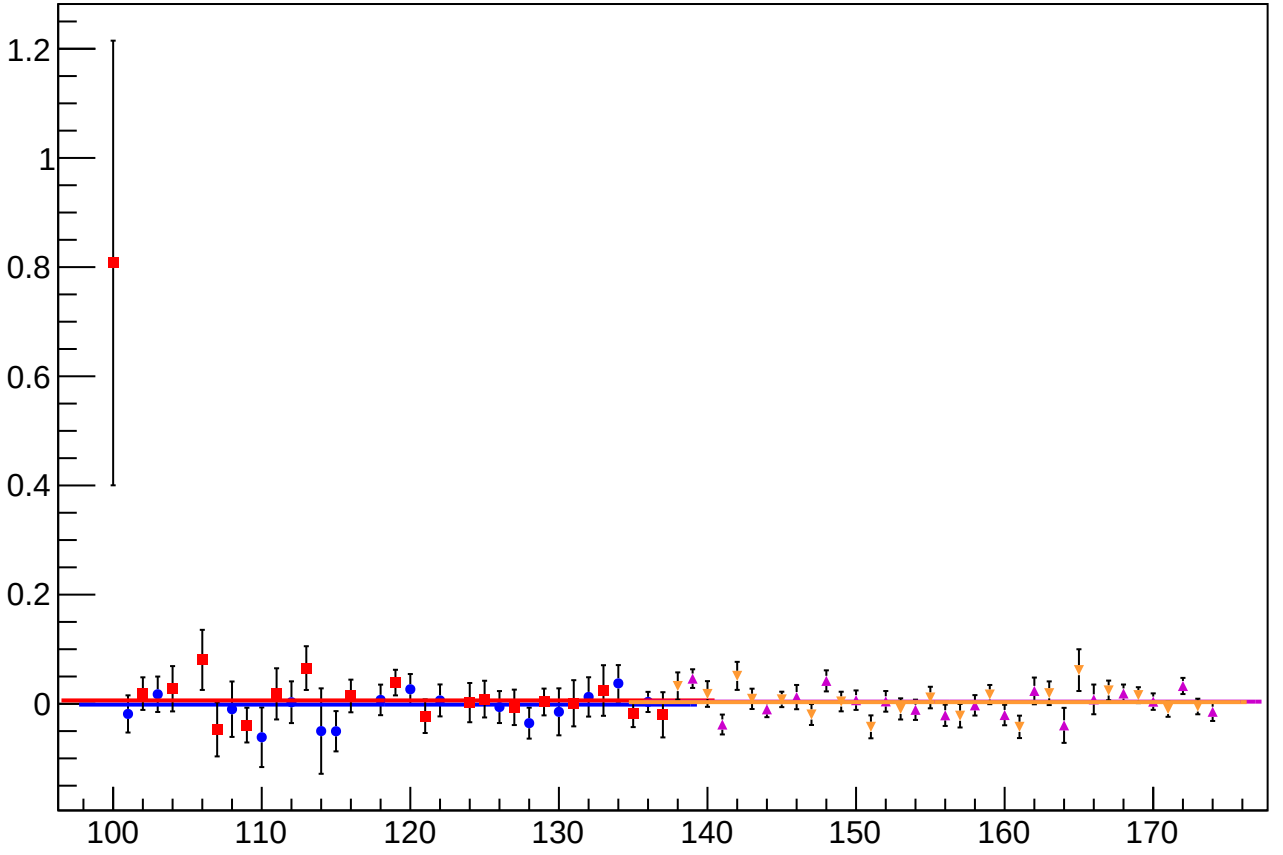
+ sign 0.000+/-0.000 χ^2/NDF: 51.0/34

All: 0.000+/-0.000 χ^2/NDF: 89.0/71

- 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:6694547.4/18
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: 11835140.6/34
All: 0.001+/-0.000 χ²/NDF: 20778565.1/71
- sign 0.001+/-0.000 χ²/NDF: 8725564.3/36

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/18

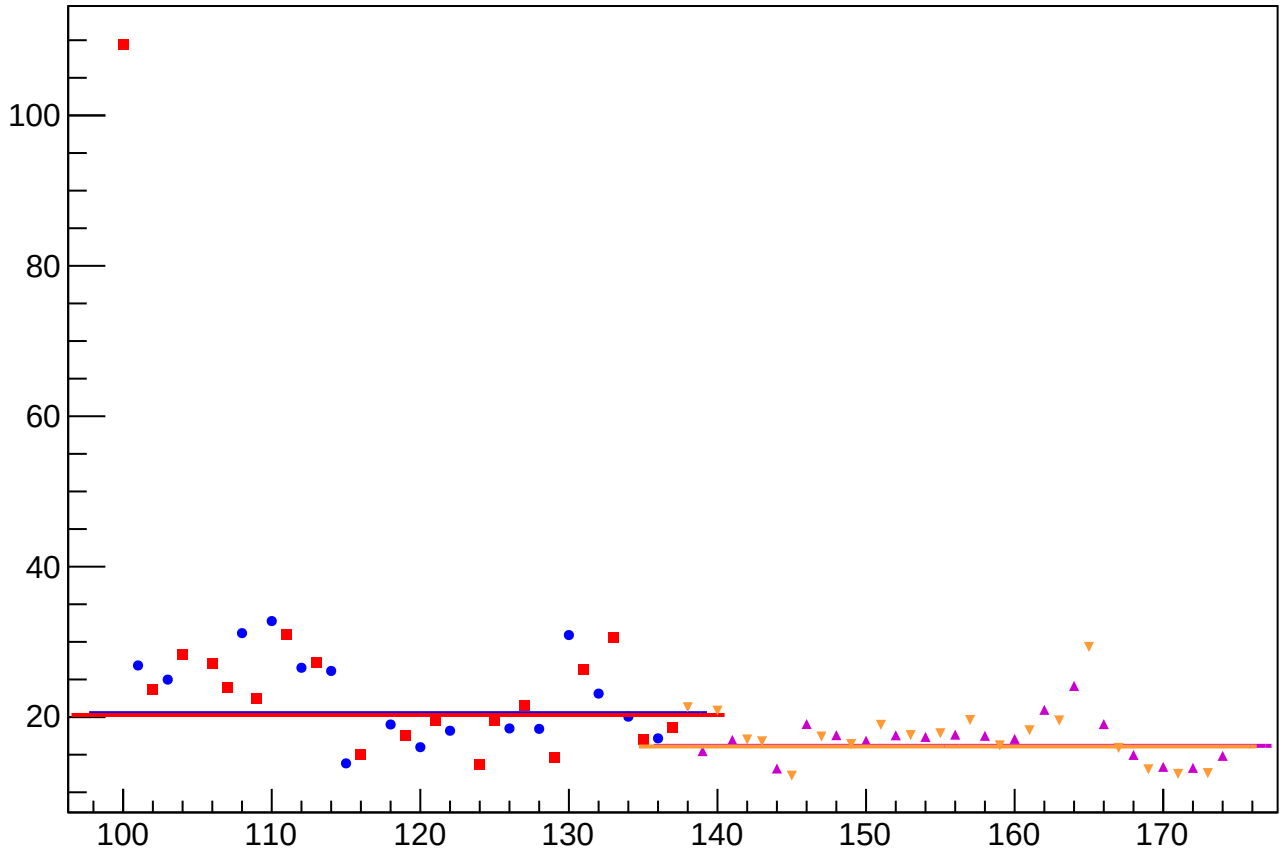
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.004+/-0.004 χ^2/NDF:28.8/17

+ sign 0.002+/-0.004 χ^2/NDF: 33.7/34

All: 0.003+/-0.003 χ^2/NDF: 79.0/71

- 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: 16.084+/-0.003 χ^2/NDF:1107512.1/18

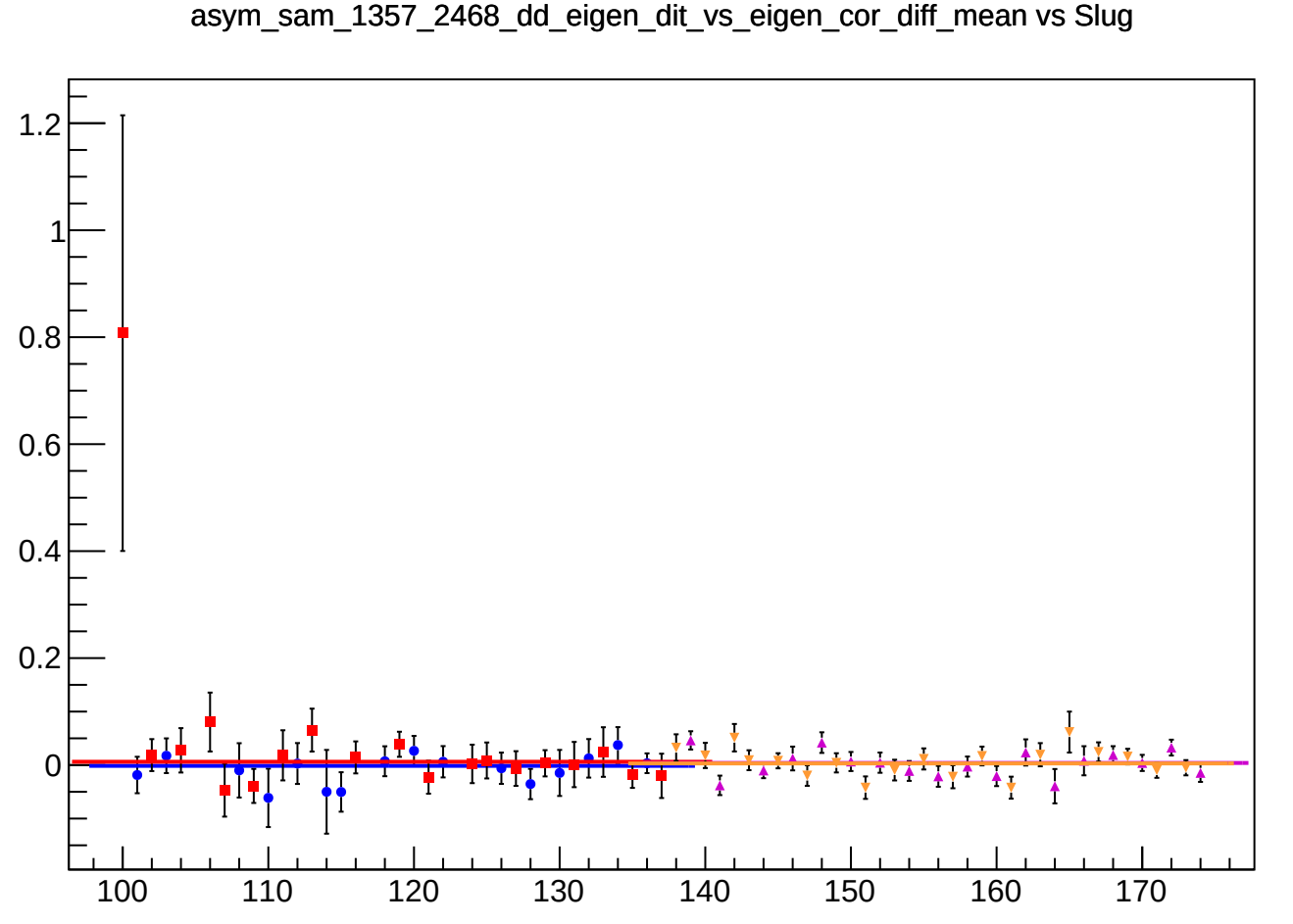
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.175+/-0.003 χ^2/NDF:580900.5/17

+ sign 17.064+/-0.003 χ^2/NDF: 2285555.0/34

All: 17.095+/-0.002 χ^2/NDF: 4147892.2/71

- 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:25.2/18

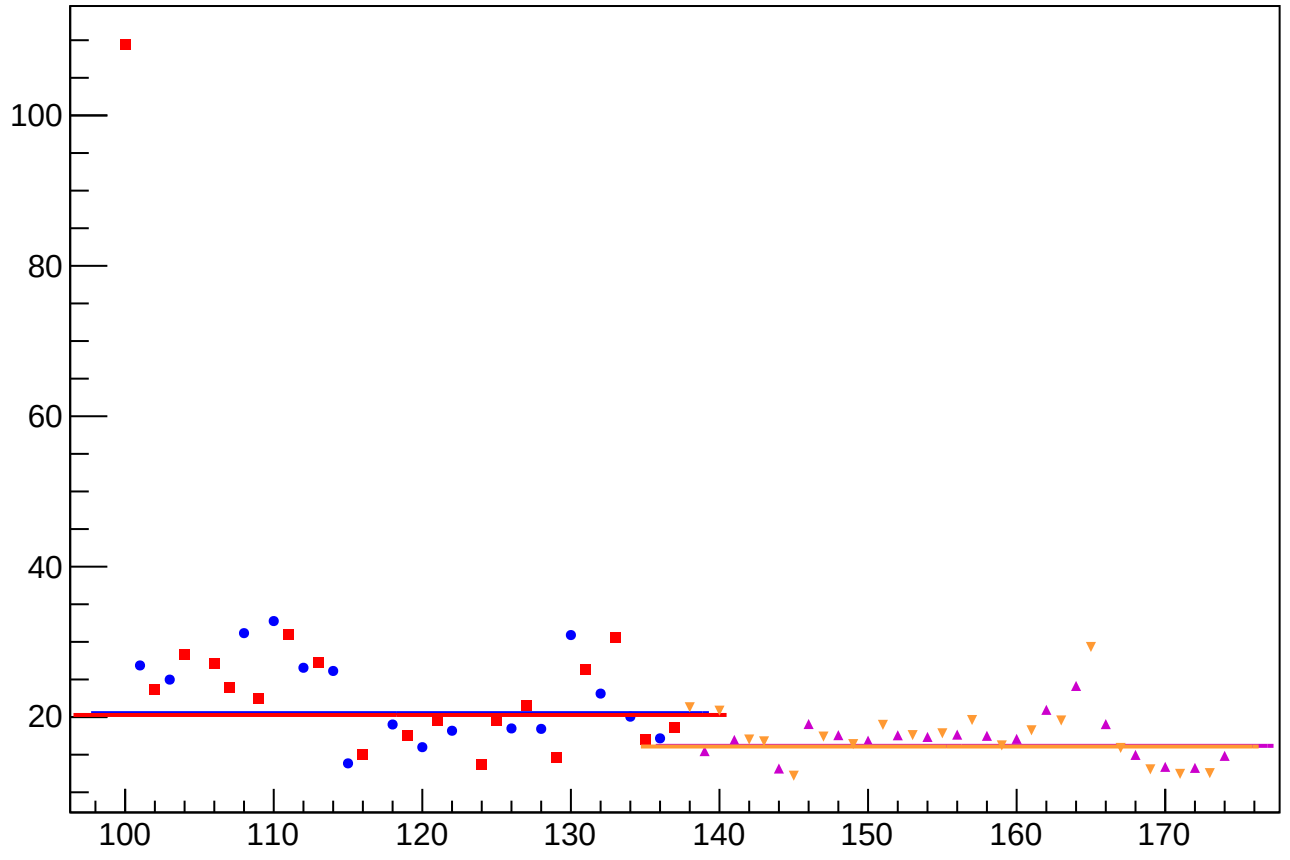
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.004+/-0.004 χ^2/NDF:28.8/17

+ sign 0.002+/-0.004 χ^2/NDF: 33.7/34

All: 0.003+/-0.003 χ^2/NDF: 79.0/71

- 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: 16.084+/-0.003 χ^2/NDF:1107512.1/18

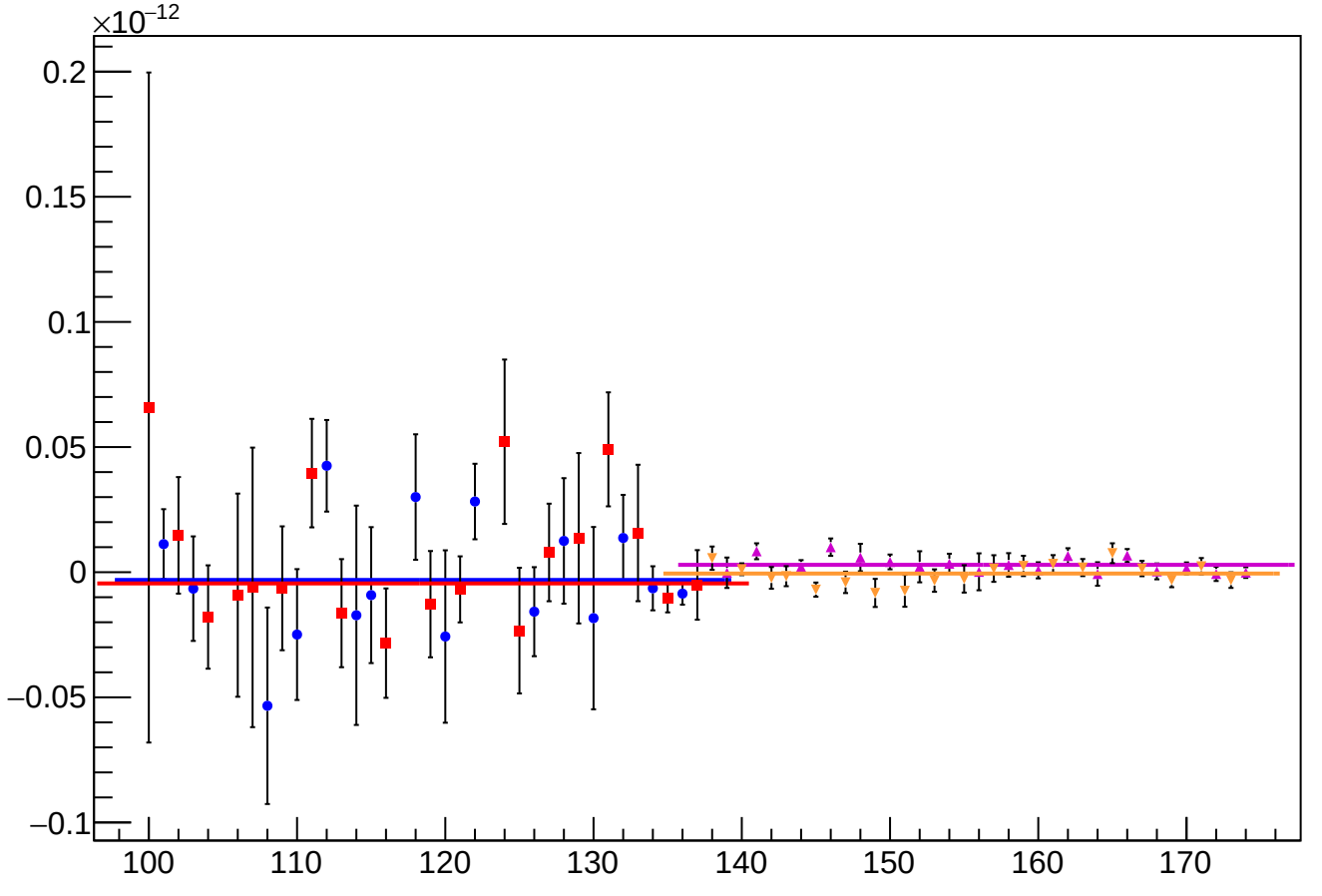
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.175+/-0.003 χ^2/NDF:580900.5/17

+ sign 17.064+/-0.003 χ^2/NDF: 2285555.0/34

All: 17.095+/-0.002 χ^2/NDF: 4147892.2/71

- sign 17.127+/-0.003 χ^2/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:21.3/18

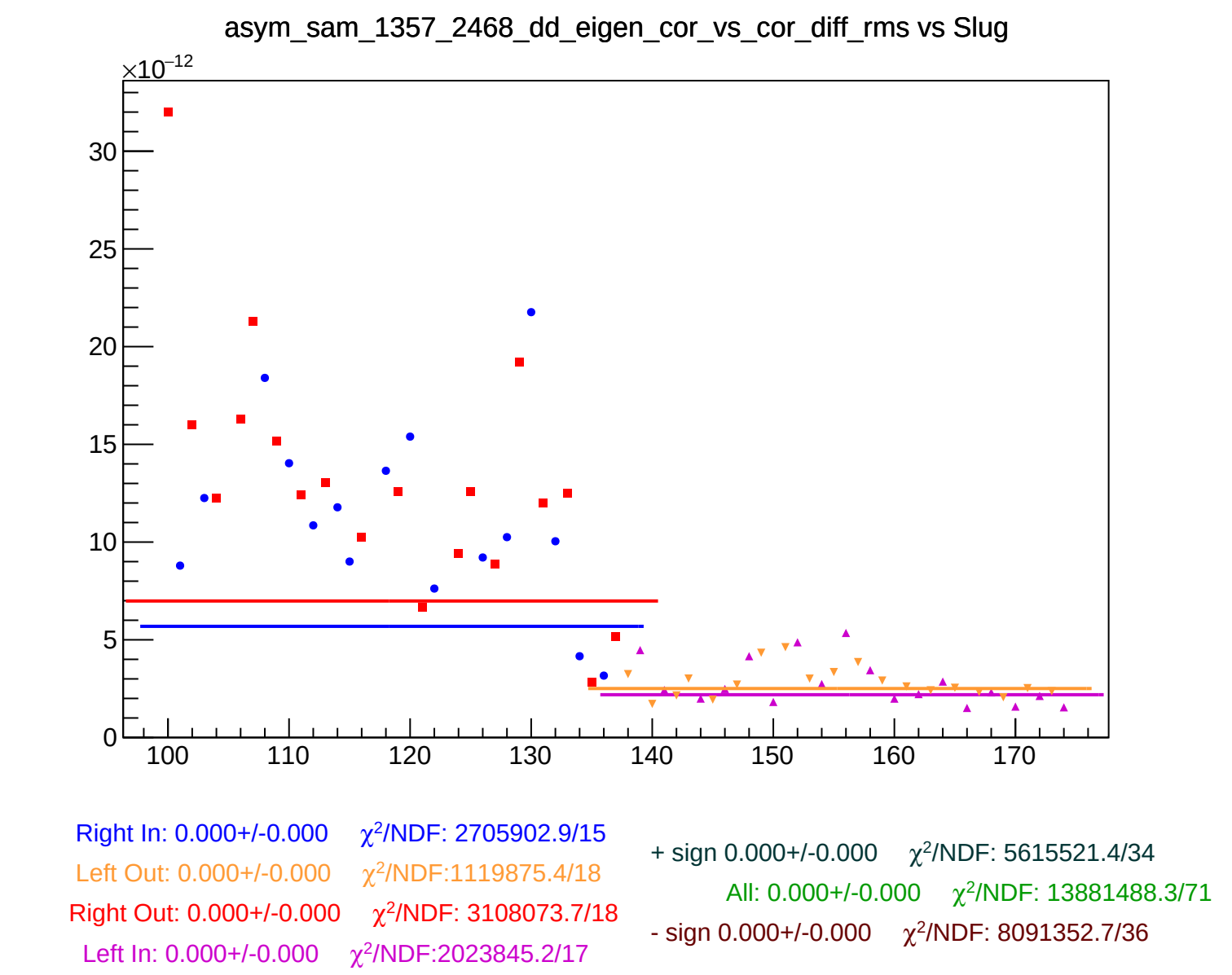
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:17.1/17

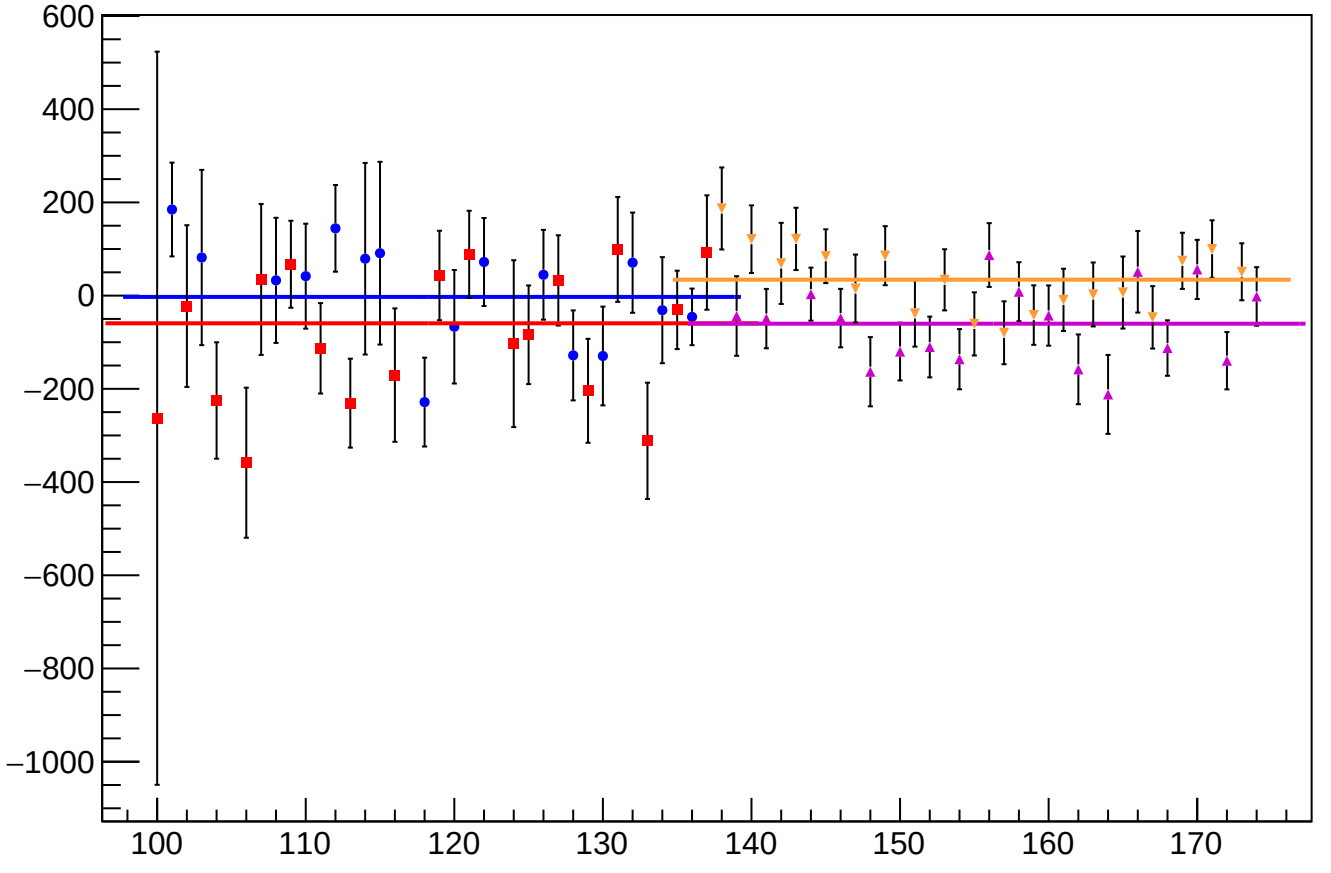
+ sign -0.000+/-0.000 χ^2/NDF: 41.8/34

All: 0.000+/-0.000 χ^2/NDF: 90.1/71

- 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:1119875.4/18
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: 5615521.4/34
All: 0.000+/-0.000 χ²/NDF: 13881488.3/71
- 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: 34.225+/-15.507 χ^2/NDF:19.0/18

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

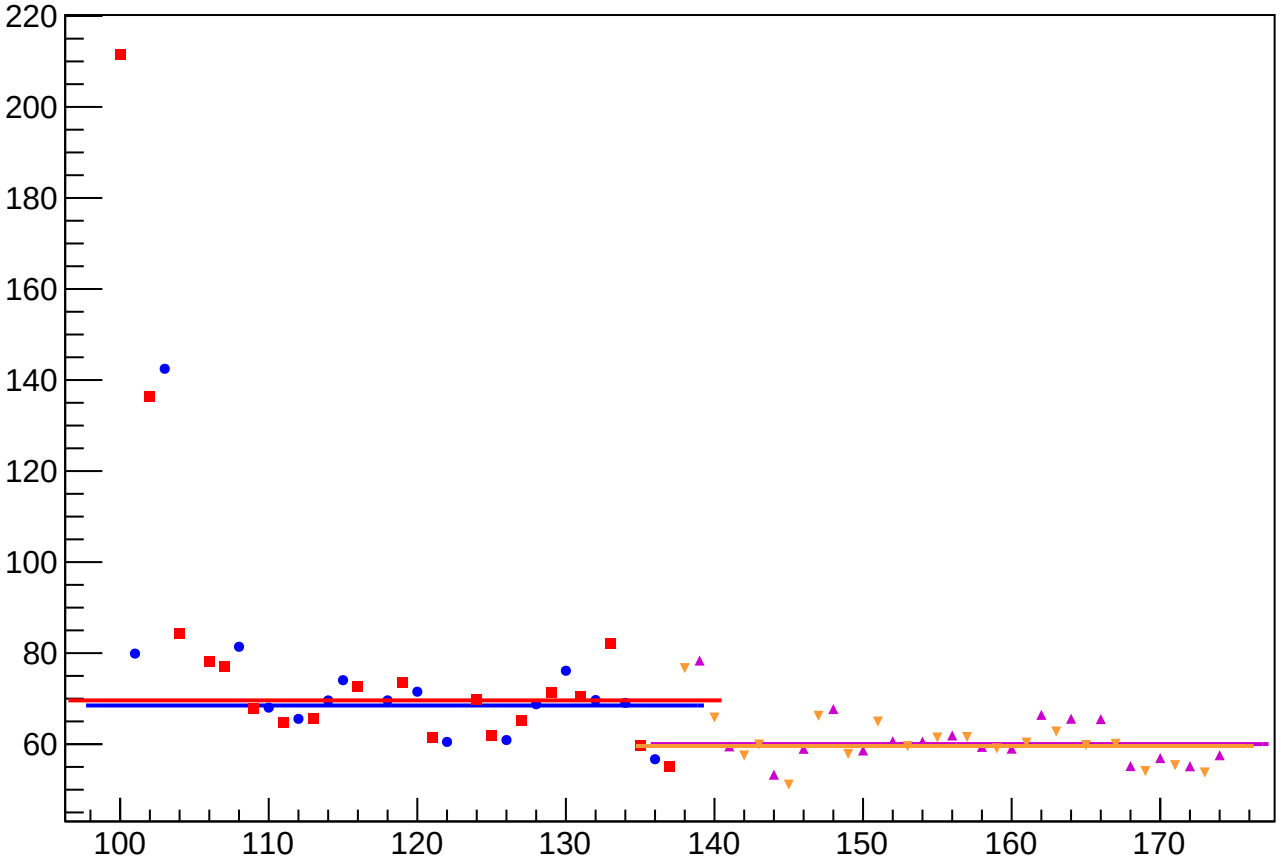
Left In: -60.237+/-15.690 χ^2/NDF:25.3/17

+ sign 24.636+/-13.346 χ^2/NDF: 38.1/34

All: -17.246+/-9.486 χ^2/NDF: 109.0/71

- 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: 59.602+/-0.011 χ^2/NDF:216376.4/18

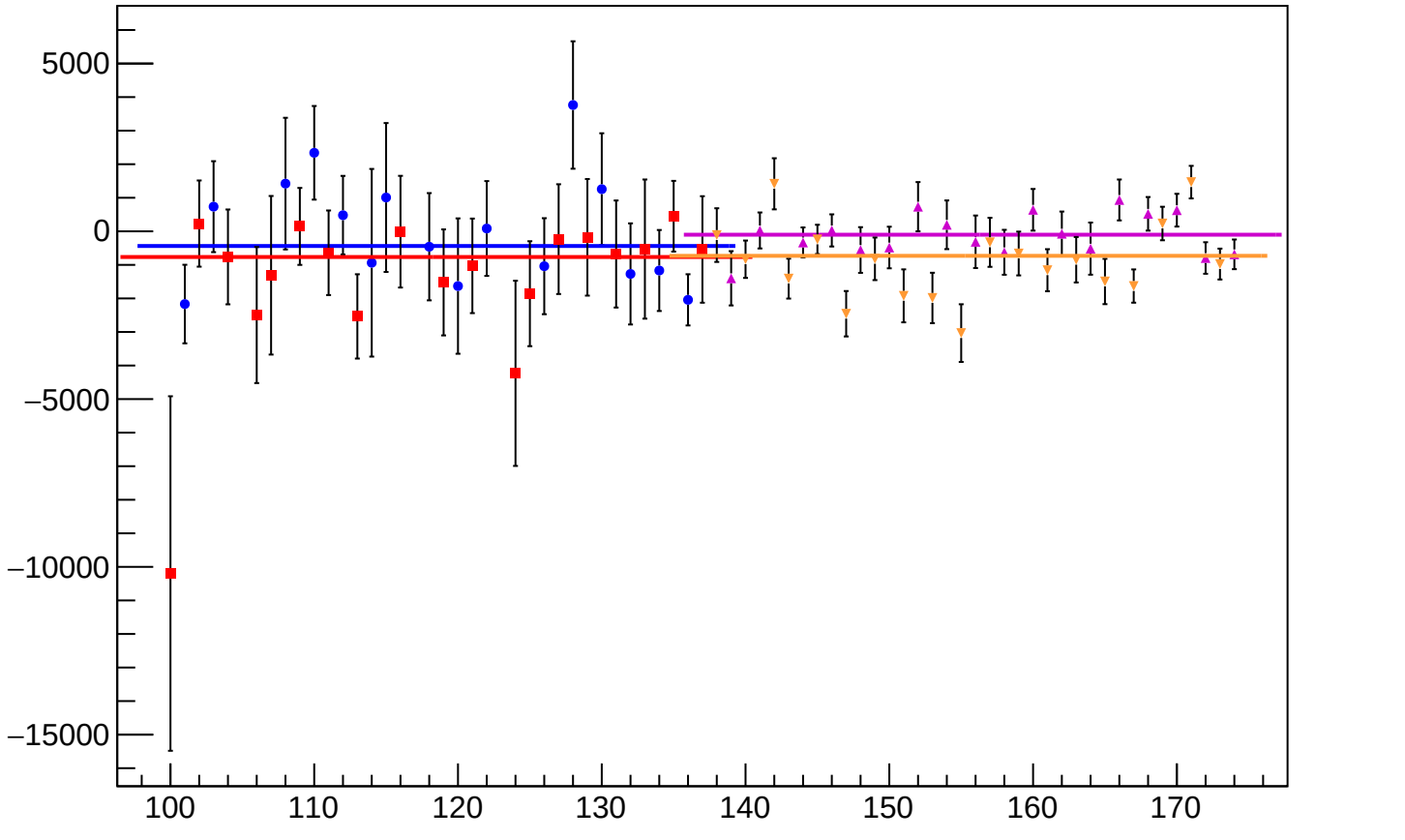
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.021+/-0.011 χ^2/NDF:210645.7/17

+ sign 61.908+/-0.009 χ^2/NDF: 858910.0/34

All: 62.215+/-0.007 χ^2/NDF: 1787674.5/71

- 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: -730.527+/-138.444 χ^2/NDF:59.8/18

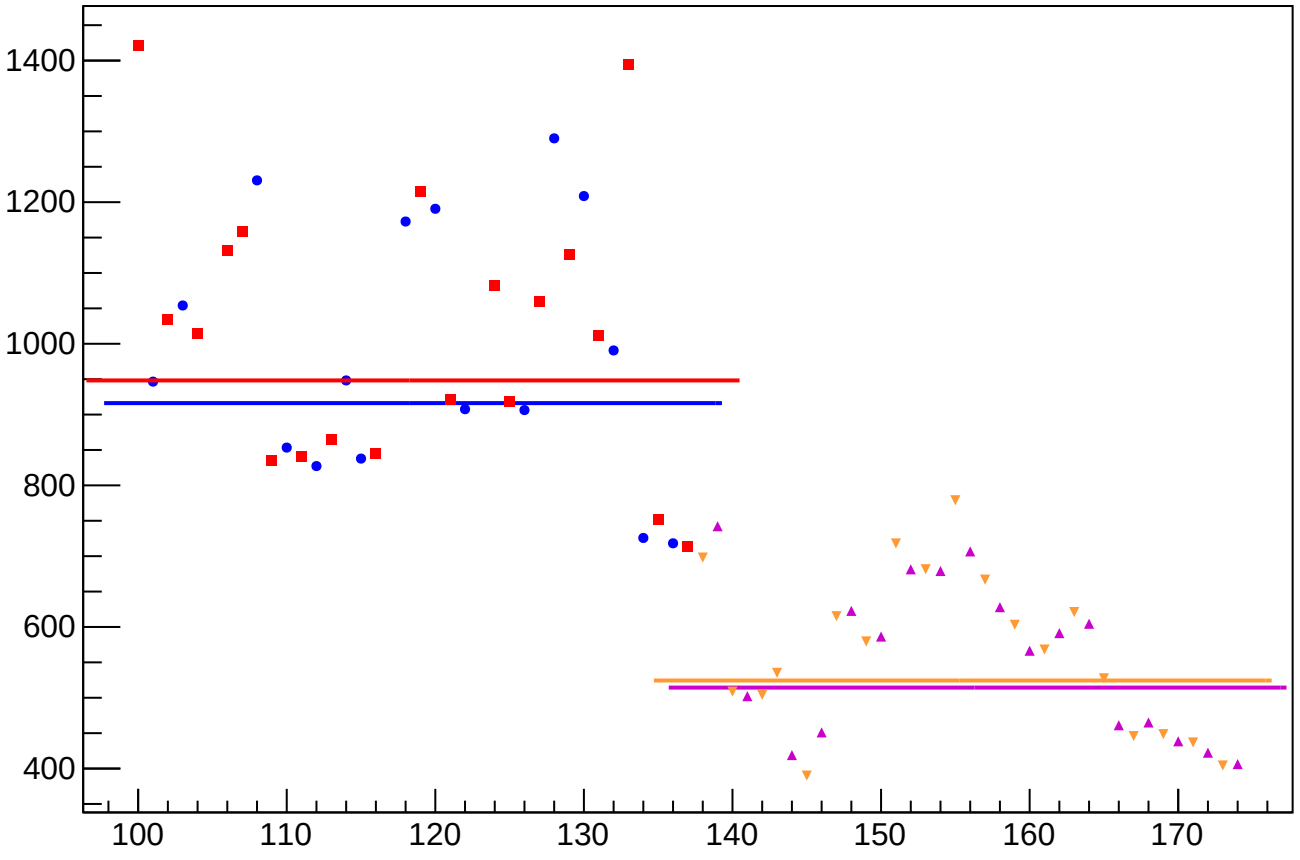
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -101.212+/-136.328 χ^2/NDF:18.3/17

+ sign -690.654+/-128.682 χ^2/NDF: 80.9/34

All: -436.058+/-90.455 χ^2/NDF: 121.4/71

- 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: 524.374+/-0.098 χ^2/NDF:1175088.9/18

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

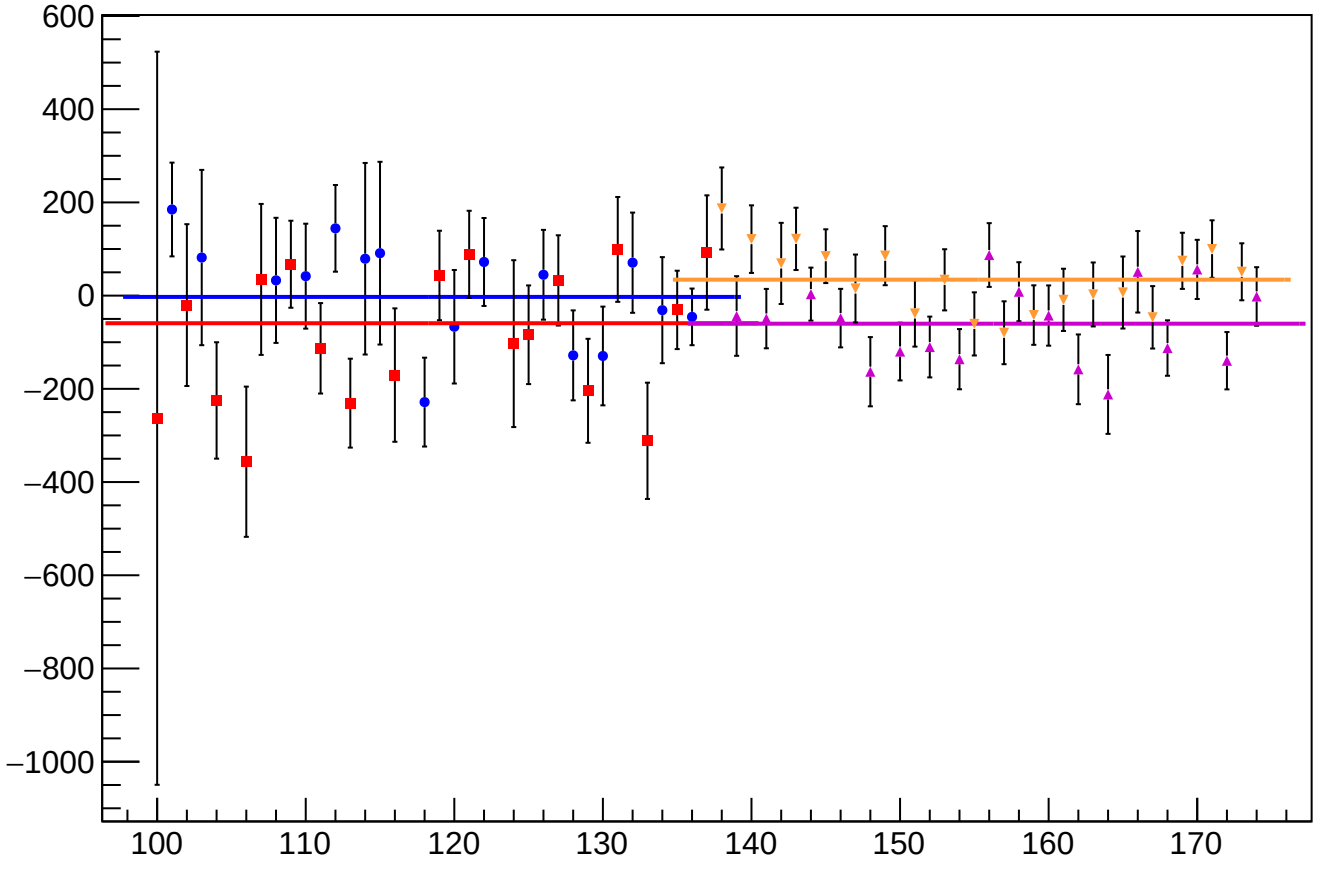
Left In: 514.368+/-0.096 χ^2/NDF:1095405.5/17

+ sign 577.676+/-0.091 χ^2/NDF: 3863383.7/34

All: 574.130+/-0.064 χ^2/NDF: 8005476.3/71

- 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: 34.227+/-15.507 χ^2/NDF:19.0/18

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

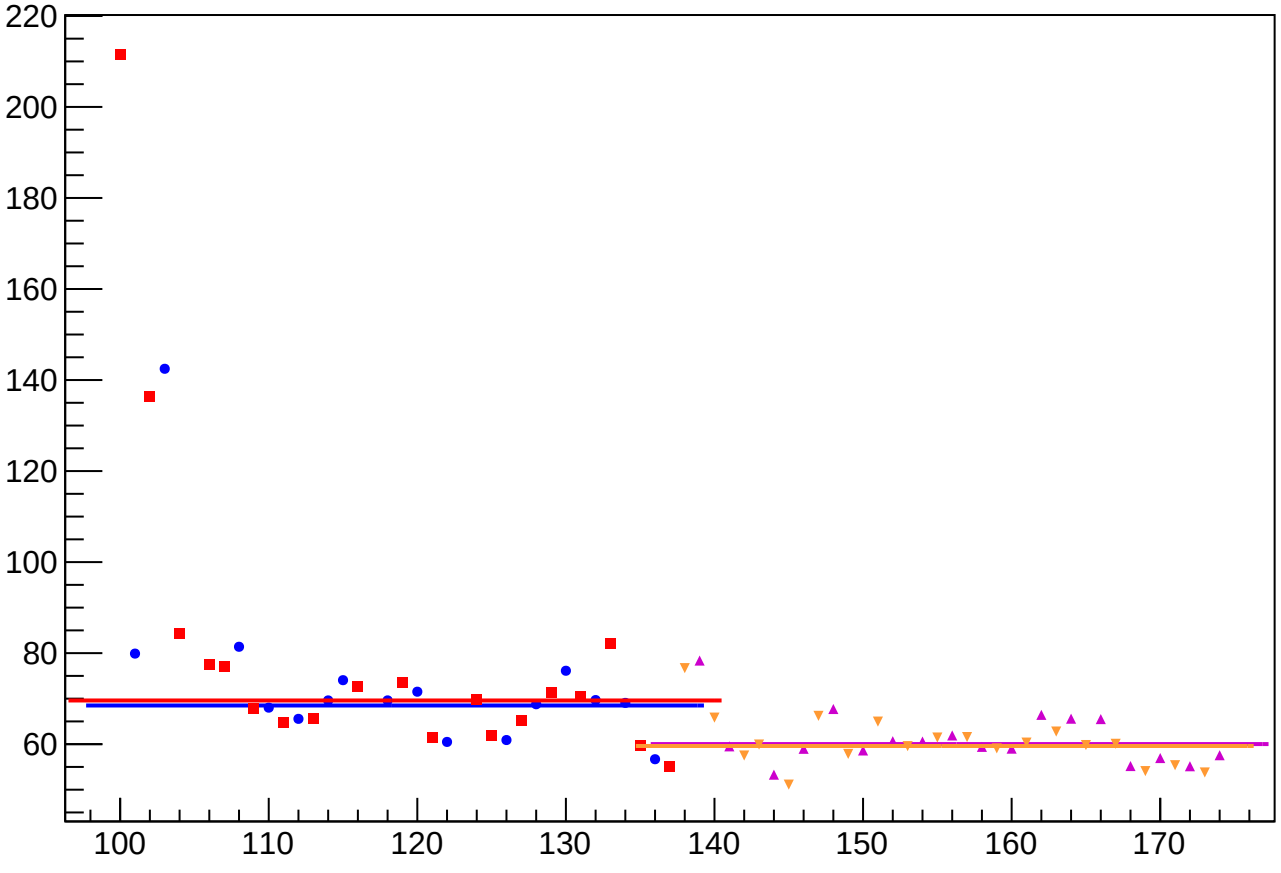
Left In: -60.235+/-15.690 χ^2/NDF:25.3/17

+ sign 24.635+/-13.346 χ^2/NDF: 38.1/34

All: -17.230+/-9.486 χ^2/NDF: 109.0/71

- 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: 59.602+/-0.011 χ^2/NDF:216376.4/18

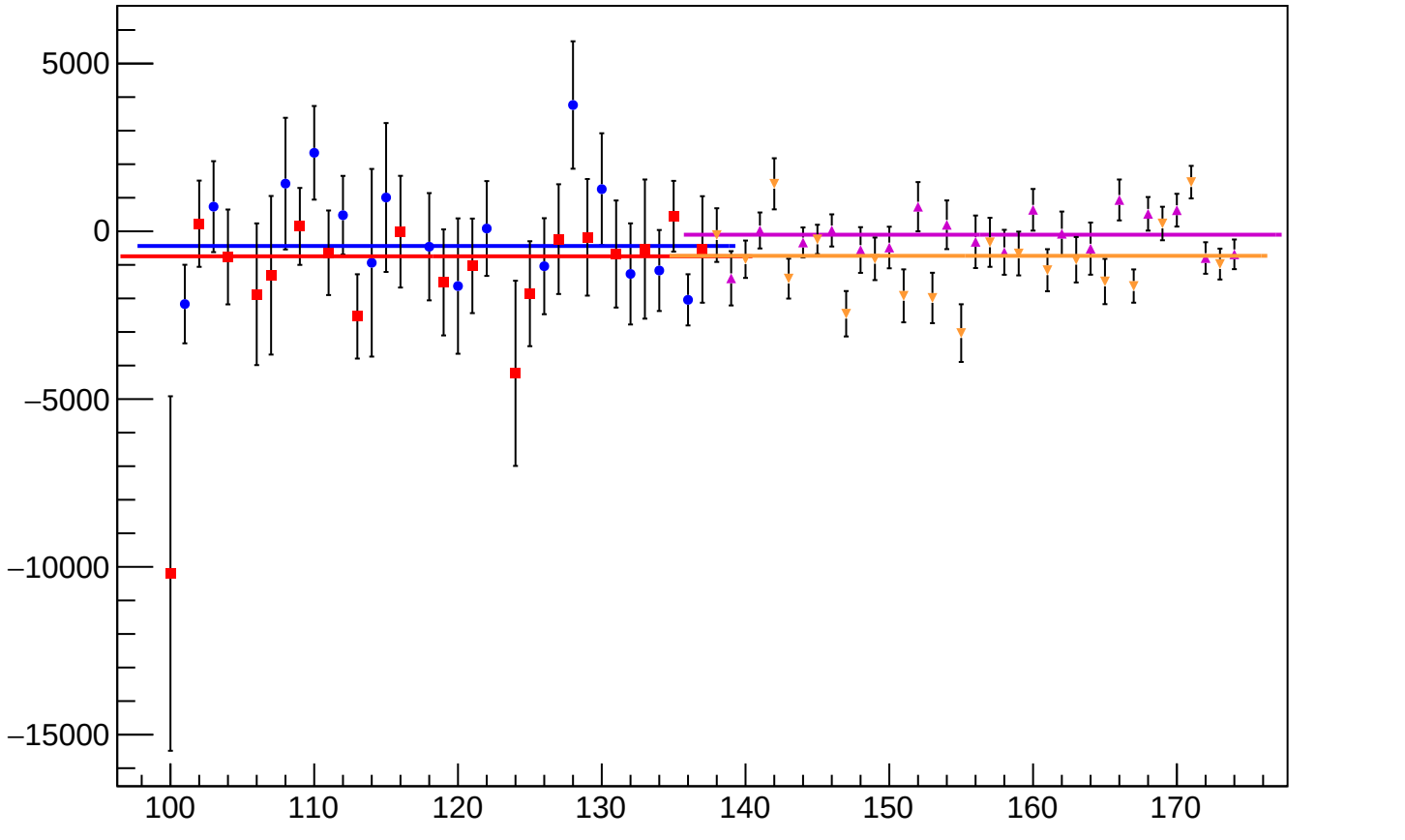
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.021+/-0.011 χ^2/NDF:210645.7/17

+ sign 61.908+/-0.009 χ^2/NDF: 858913.0/34

All: 62.213+/-0.007 χ^2/NDF: 1786231.3/71

- 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: -730.523+/-138.444 χ^2/NDF:59.8/18

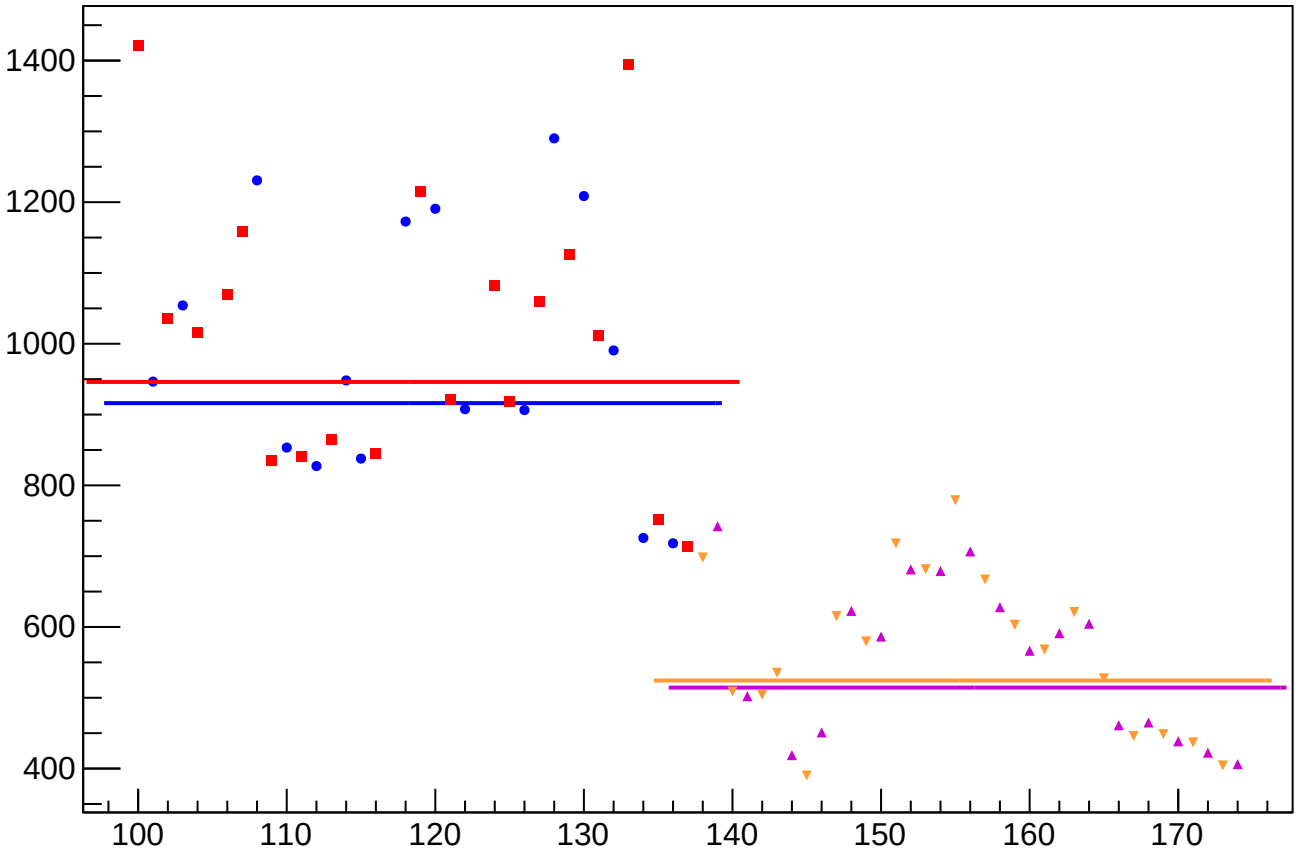
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -101.213+/-136.328 χ^2/NDF:18.3/17

+ sign -690.648+/-128.682 χ^2/NDF: 80.9/34

All: -434.629+/-90.462 χ^2/NDF: 120.8/71

- sign -184.490+/-127.196 χ^2/NDF: 32.0/36



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 524.374+/-0.098 χ^2/NDF:1175092.5/18

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

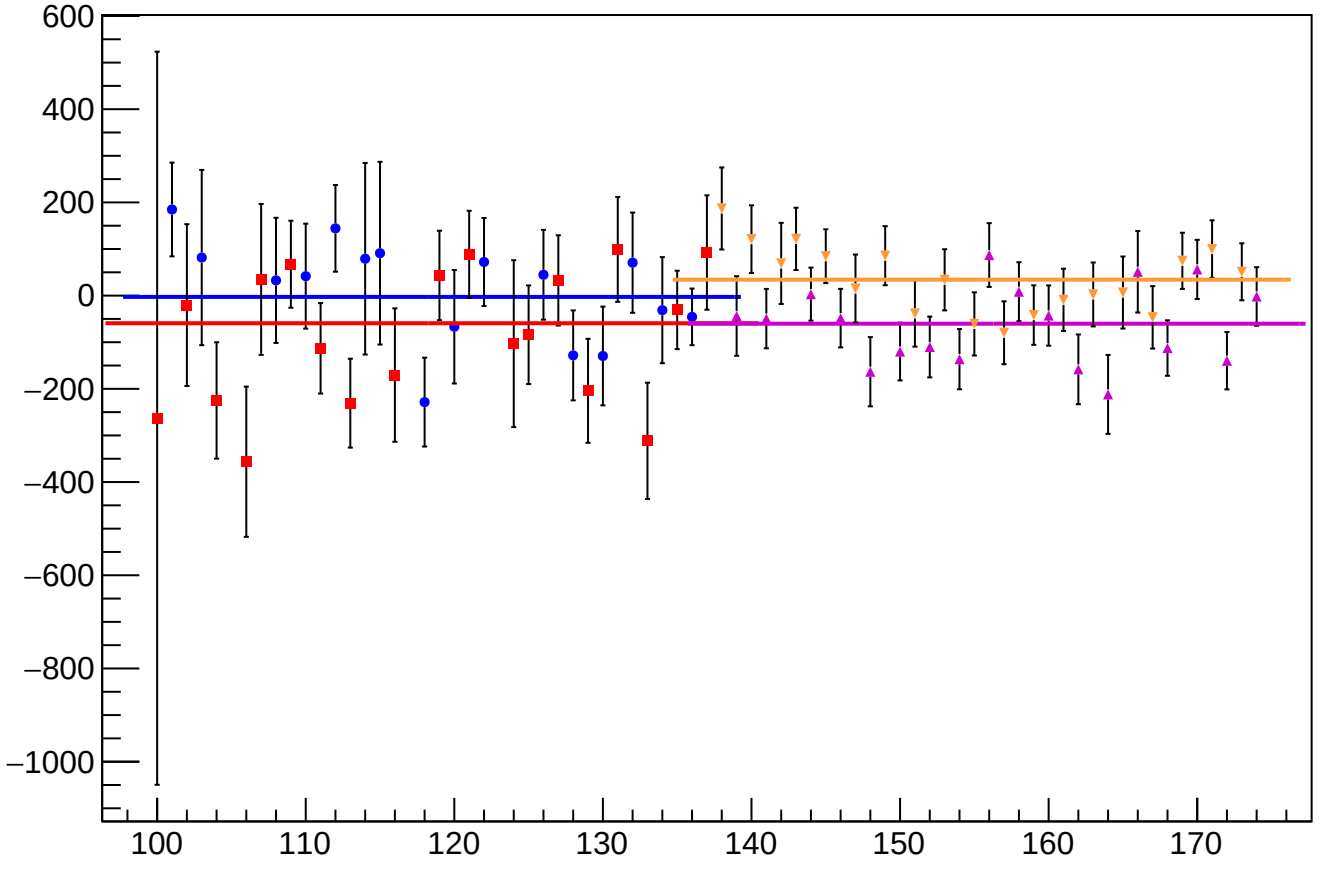
Left In: 514.368+/-0.096 χ^2/NDF:1095404.6/17

+ sign 577.676+/-0.091 χ^2/NDF: 3863435.6/34

All: 573.929+/-0.064 χ^2/NDF: 7964613.5/71

- sign 570.267+/-0.090 χ^2/NDF: 4097824.5/36

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 34.227+/-15.507 χ^2/NDF:19.0/18

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

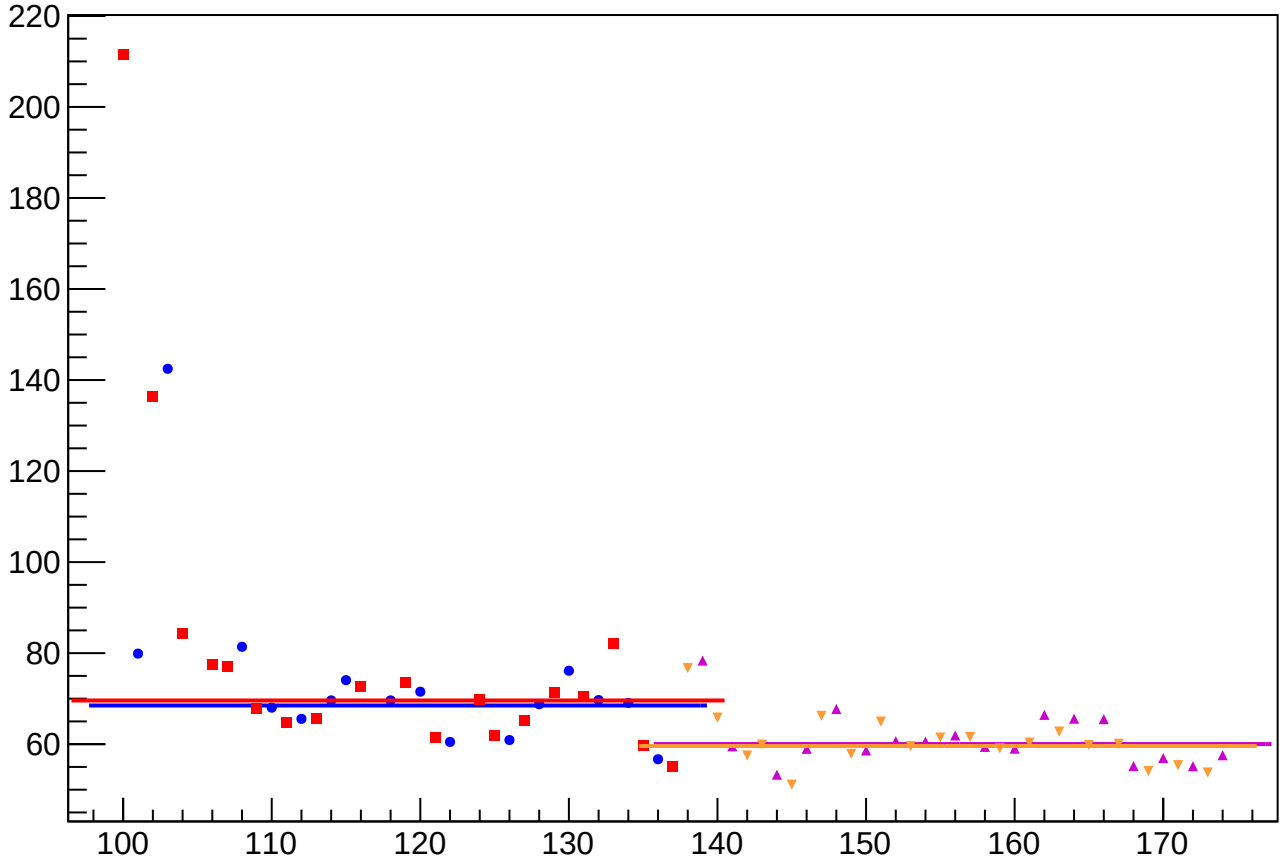
Left In: -60.235+/-15.690 χ^2/NDF:25.3/17

+ sign 24.635+/-13.346 χ^2/NDF: 38.1/34

All: -17.230+/-9.486 χ^2/NDF: 109.0/71

- 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: 59.602+/-0.011 χ^2/NDF:216376.4/18

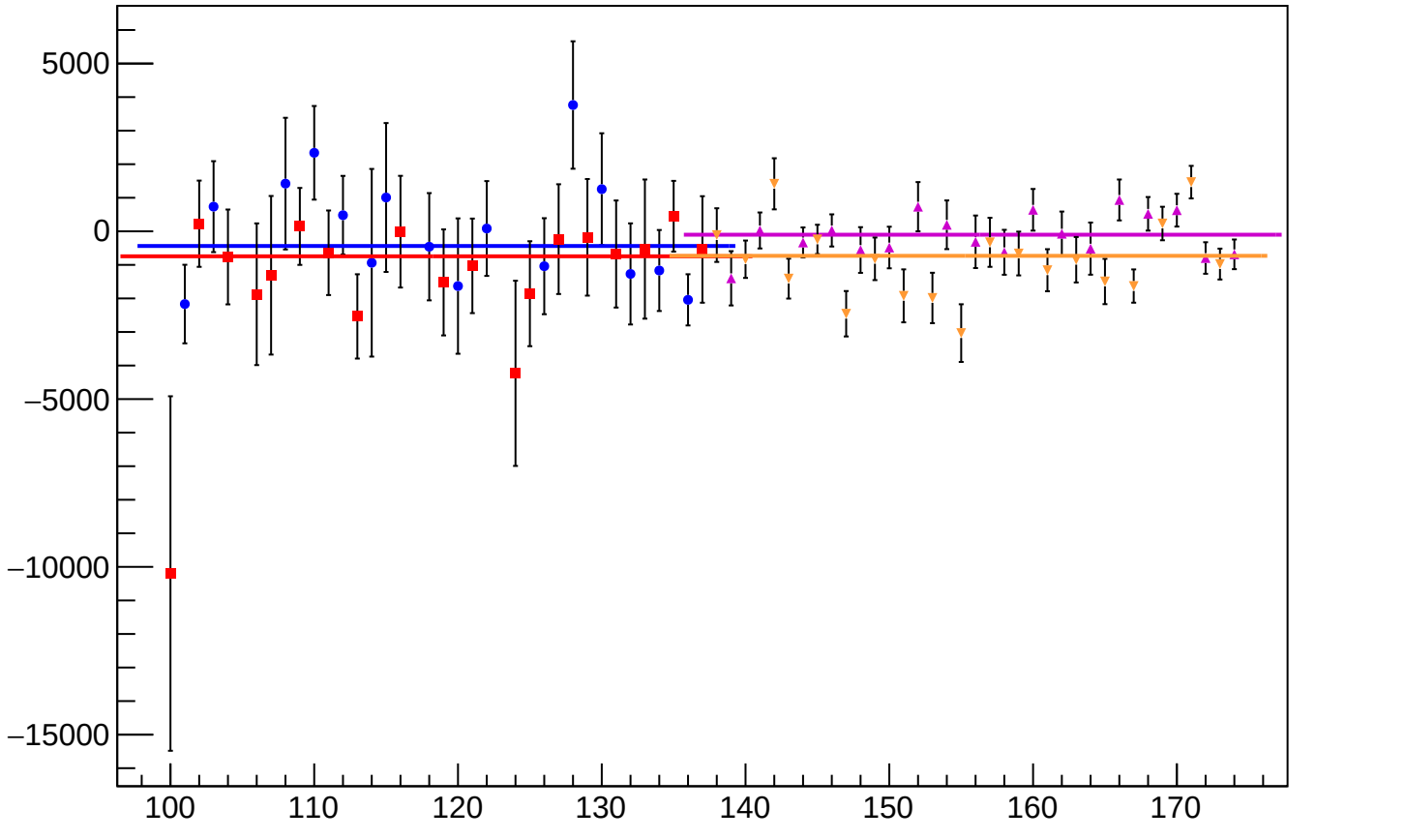
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.021+/-0.011 χ^2/NDF:210645.7/17

+ sign 61.908+/-0.009 χ^2/NDF: 858913.0/34

All: 62.213+/-0.007 χ^2/NDF: 1786231.3/71

- 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: -730.523+/-138.444 χ^2/NDF:59.8/18

Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

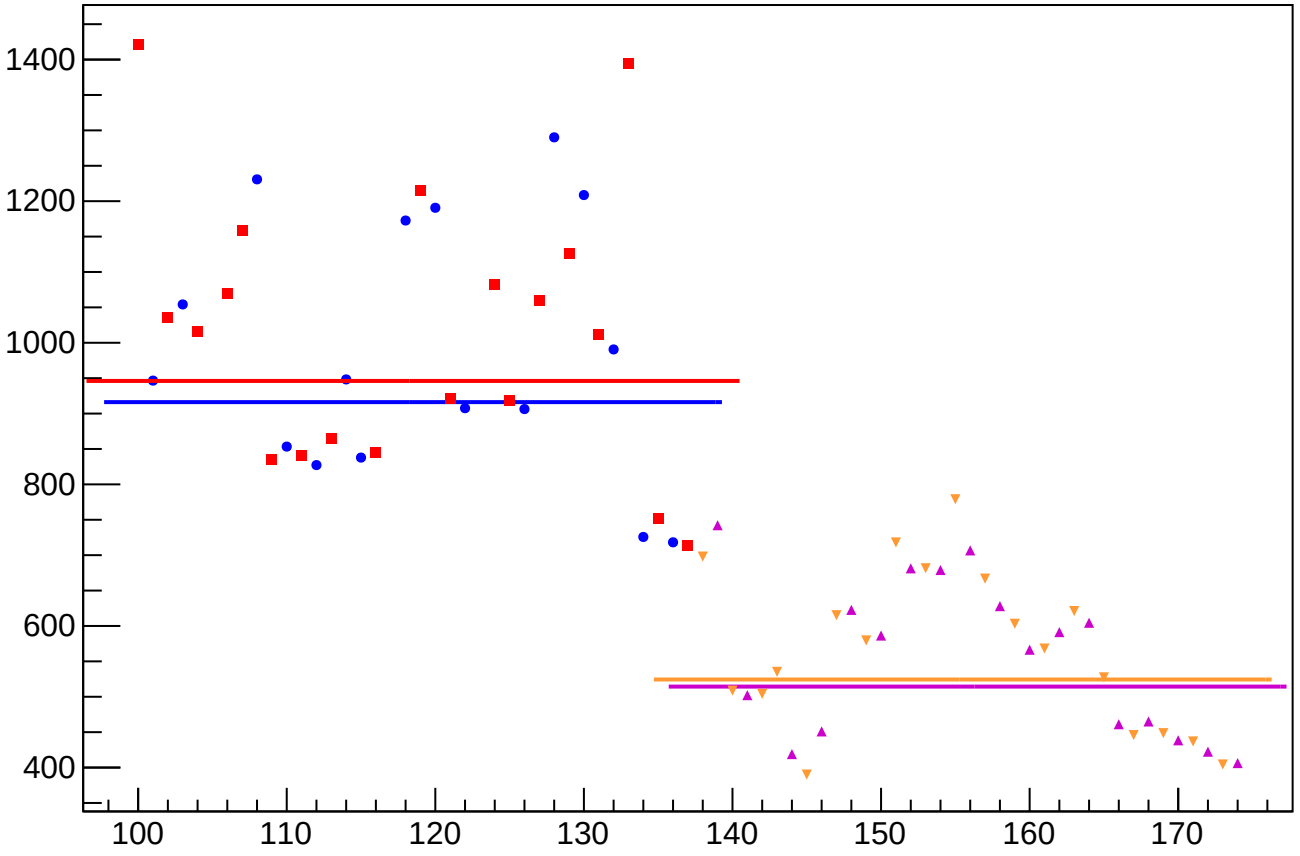
Left In: -101.213+/-136.328 χ^2/NDF:18.3/17

+ sign -690.648+/-128.682 χ^2/NDF: 80.9/34

All: -434.629+/-90.462 χ^2/NDF: 120.8/71

- sign -184.490+/-127.196 χ^2/NDF: 32.0/36

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 524.374+/-0.098 χ^2/NDF:1175092.5/18

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

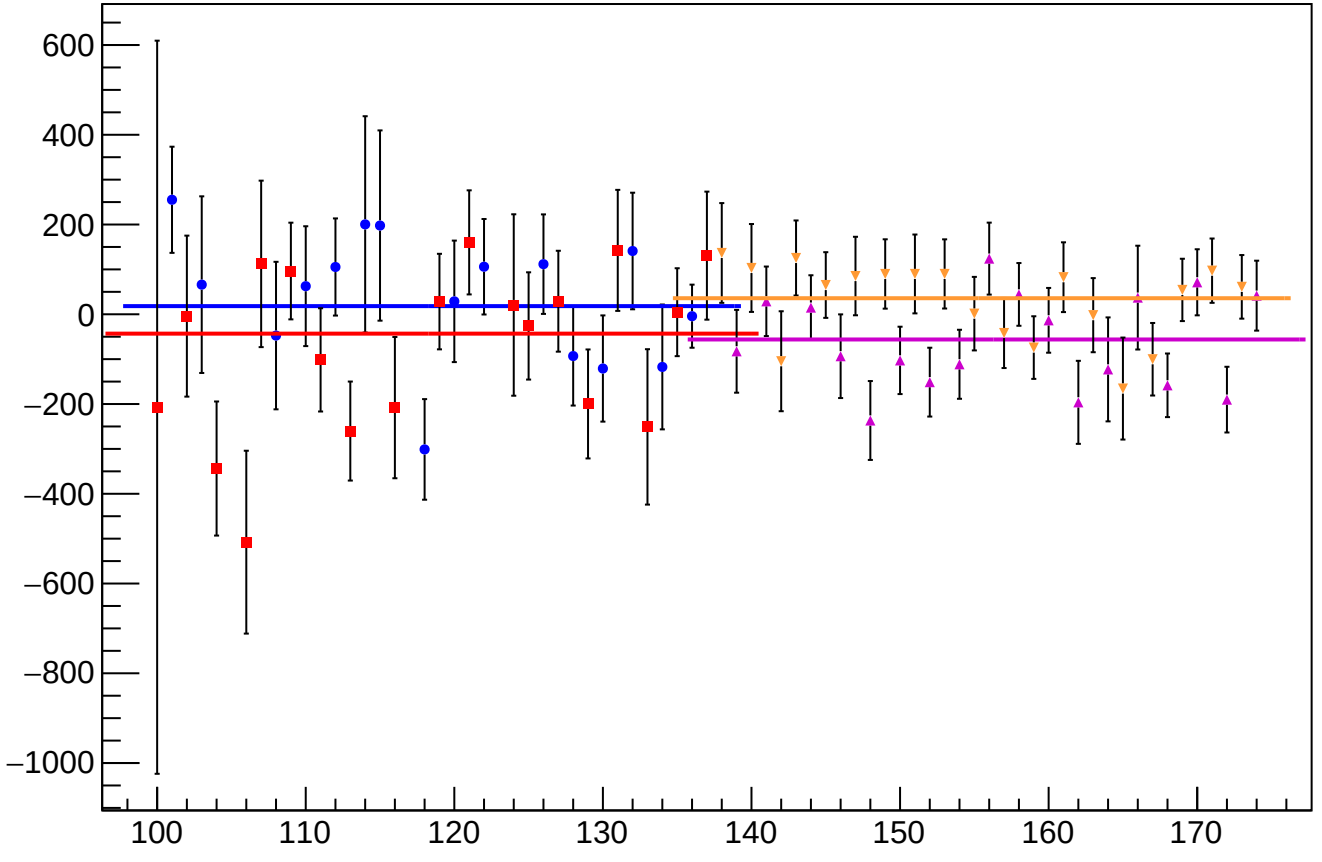
Left In: 514.368+/-0.096 χ^2/NDF:1095404.6/17

\+ sign 577.676+/-0.091 χ^2/NDF: 3863435.6/34

All: 573.929+/-0.064 χ^2/NDF: 7964613.5/71

\- 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: 35.790+/-18.718 χ^2/NDF:17.0/18

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

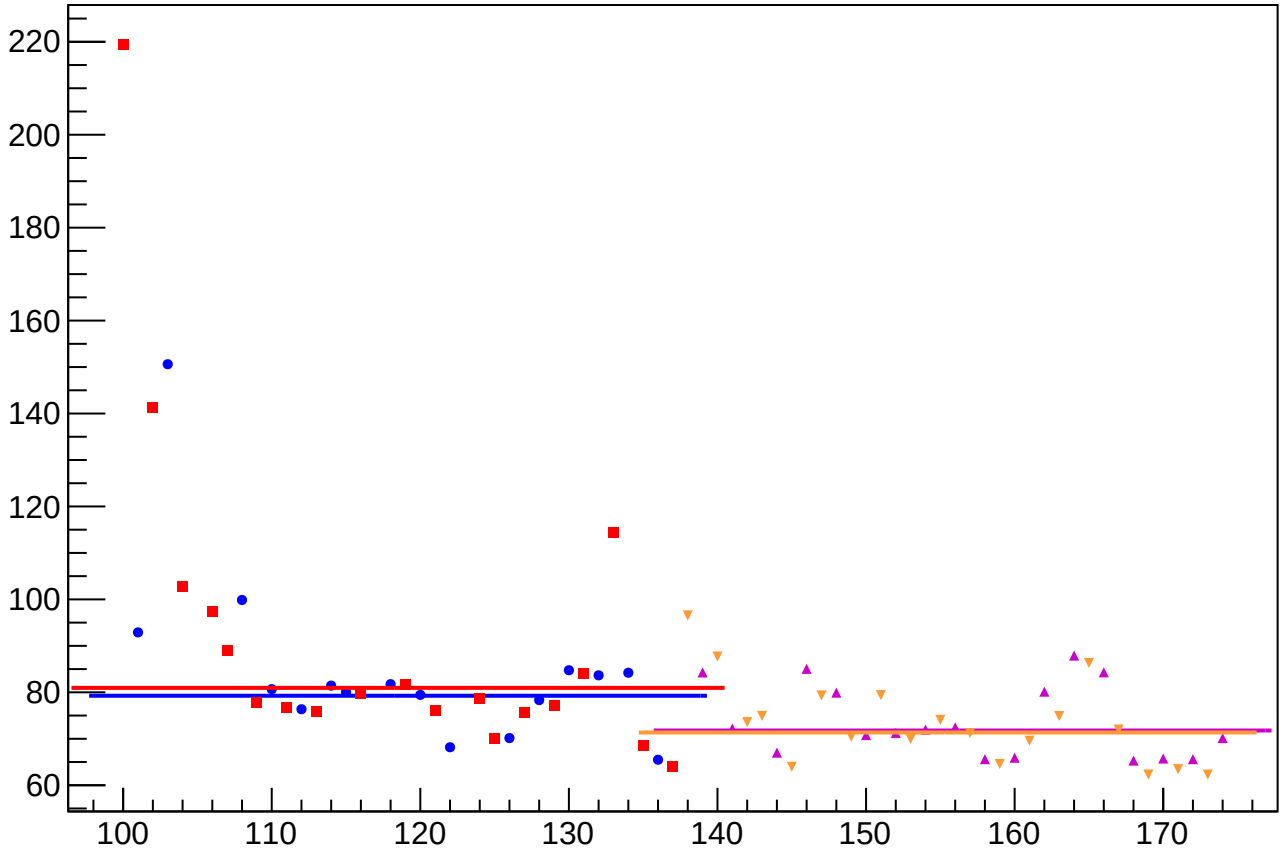
Left In: -56.158+/-18.929 χ^2/NDF:29.8/17

+ sign 30.935+/-15.931 χ^2/NDF: 37.4/34

All: -10.345+/-11.329 χ^2/NDF: 108.6/71

- 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: 71.355+/-0.013 χ^2/NDF:369079.1/18

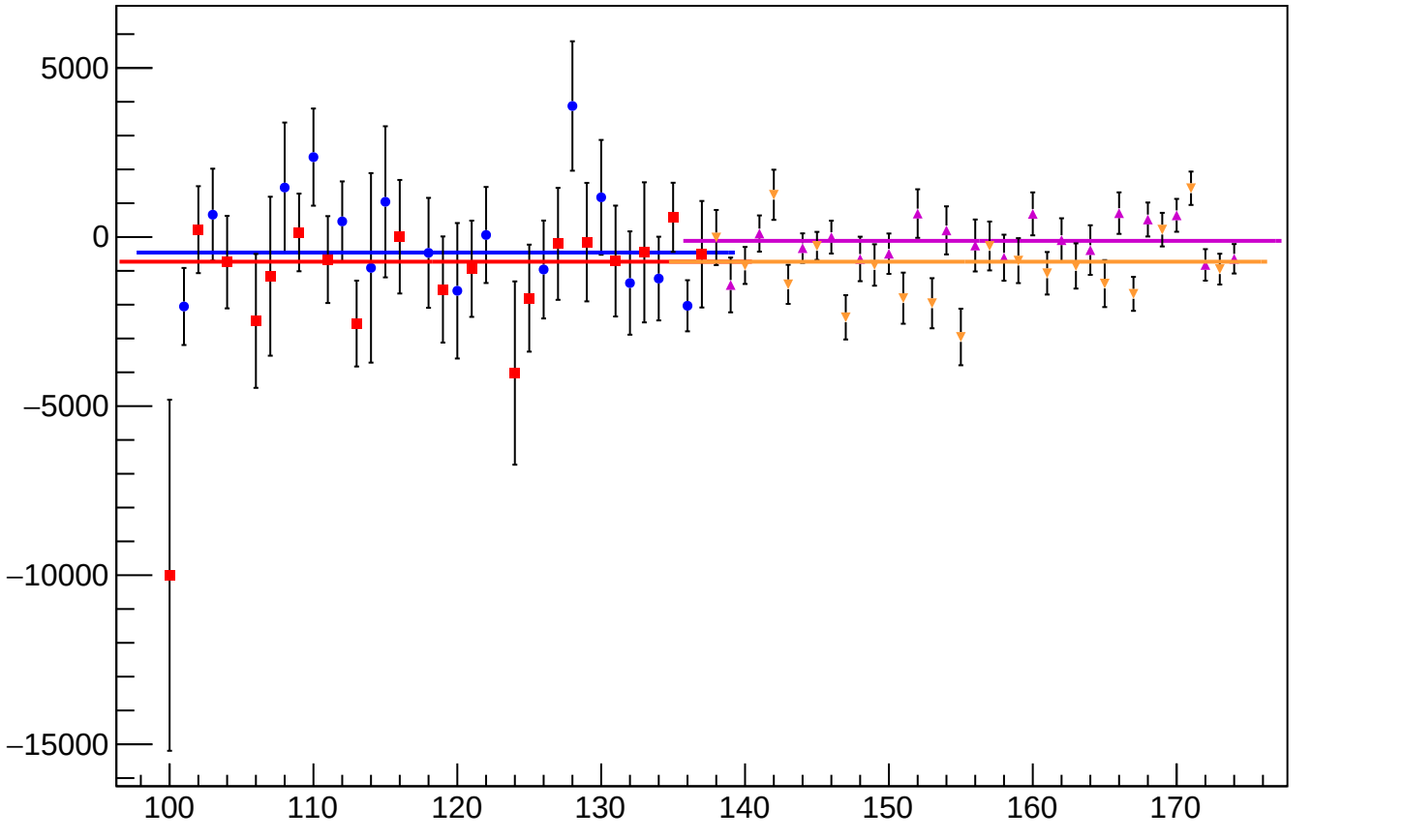
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 71.781+/-0.013 χ^2/NDF:256149.9/17

+ sign 73.535+/-0.011 χ^2/NDF: 912408.3/34

All: 73.917+/-0.008 χ^2/NDF: 1814513.8/71

- 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: -729.130+/-136.858 χ^2/NDF:57.2/18

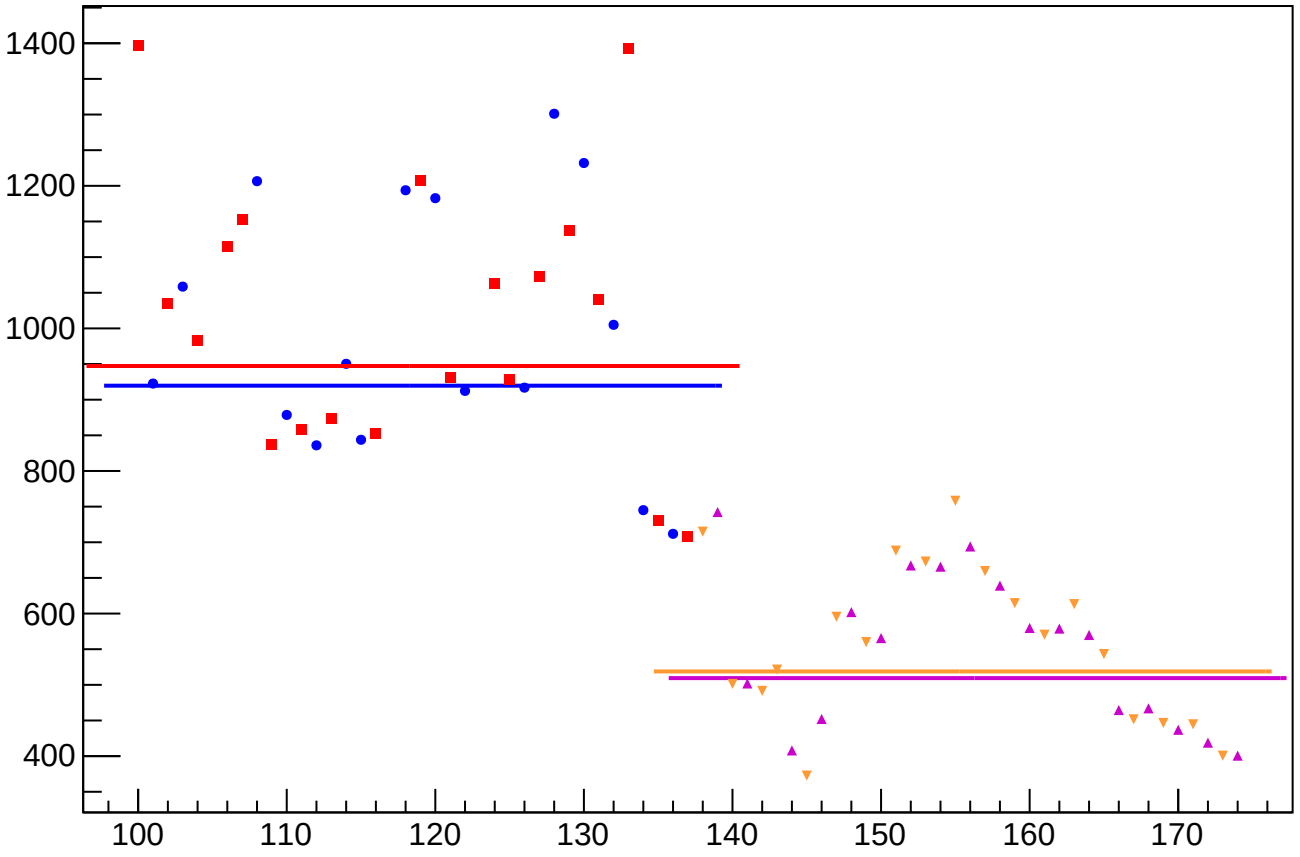
Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: -112.772+/-135.008 χ^2/NDF:17.4/17

+ sign -693.201+/-127.464 χ^2/NDF: 78.0/34

All: -439.635+/-89.637 χ^2/NDF: 117.4/71

- sign -191.542+/-126.081 χ^2/NDF: 31.6/36



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 518.804+/-0.097 χ^2/NDF:1186627.2/18

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

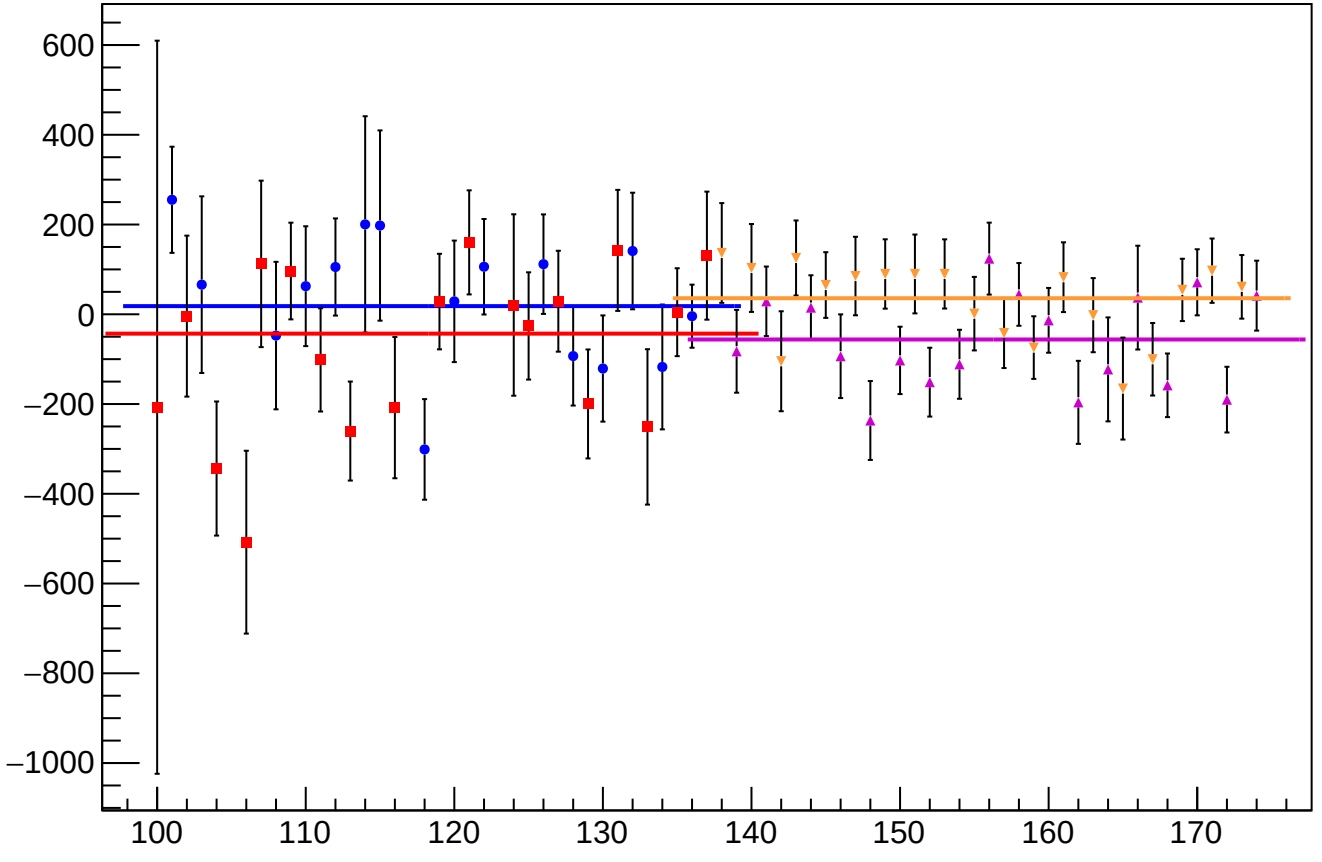
Left In: 509.446+/-0.095 χ^2/NDF:1072116.7/17

+ sign 571.944+/-0.090 χ^2/NDF: 3976490.2/34

All: 568.654+/-0.063 χ^2/NDF: 8166546.5/71

- sign 565.434+/-0.089 χ^2/NDF: 4187420.0/36

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 35.790+/-18.719 χ^2/NDF:17.0/18

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

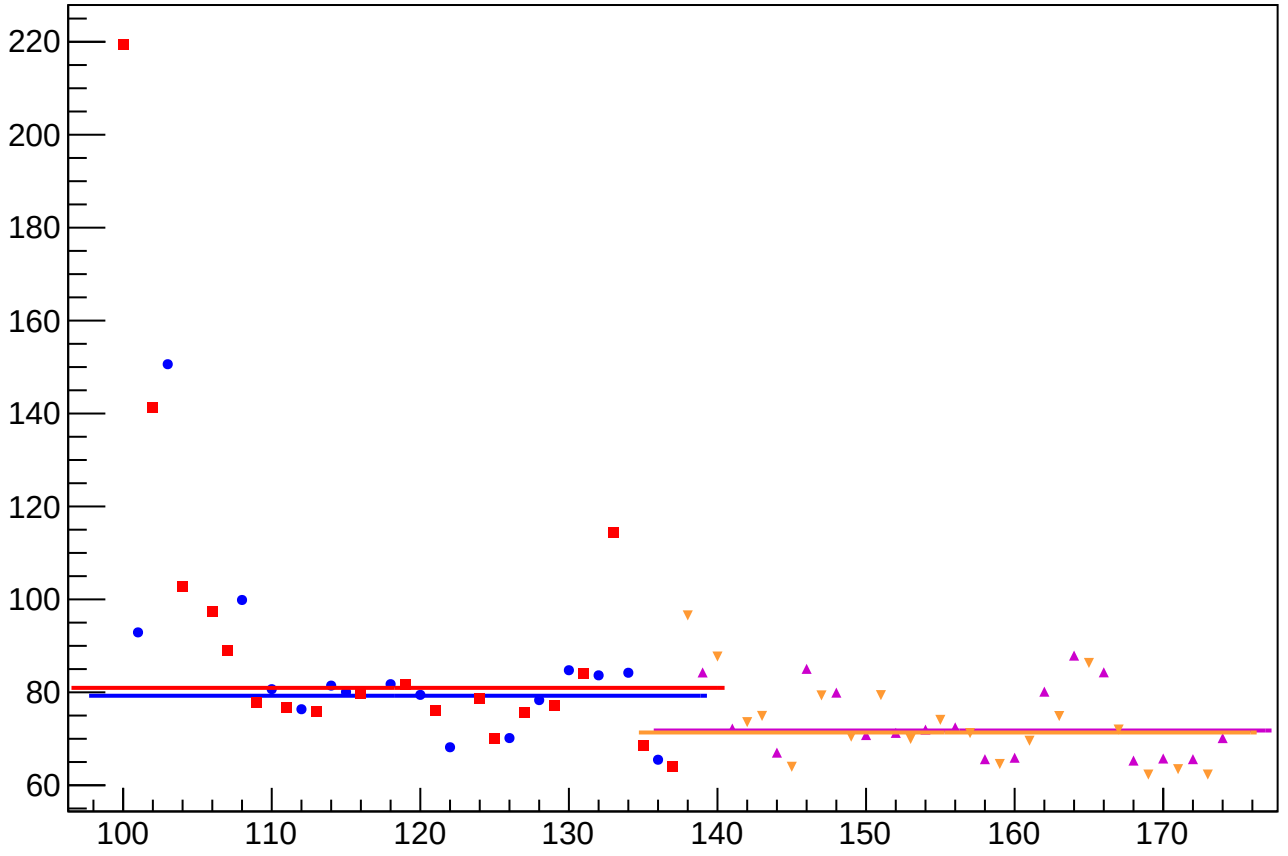
Left In: -56.157+/-18.929 χ^2/NDF:29.8/17

+ sign 30.935+/-15.931 χ^2/NDF: 37.4/34

All: -10.345+/-11.329 χ^2/NDF: 108.6/71

- sign -52.574+/-16.114 χ^2/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: 71.356+/-0.013 χ^2/NDF:369078.0/18

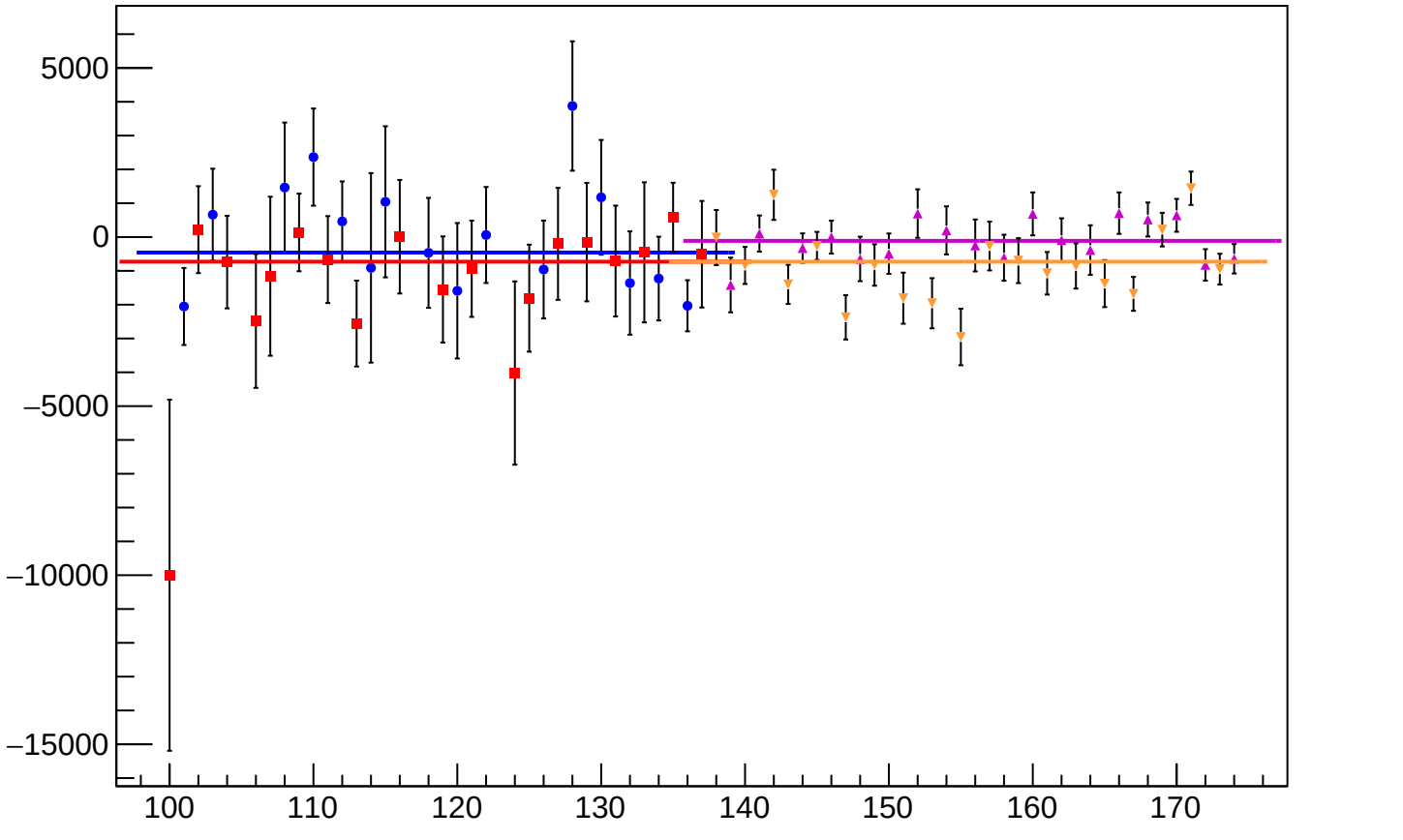
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 71.782+/-0.013 χ^2/NDF:256153.5/17

+ sign 73.535+/-0.011 χ^2/NDF: 912392.9/34

All: 73.917+/-0.008 χ^2/NDF: 1814498.4/71

- 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: -729.130+/-136.858 χ^2/NDF:57.2/18

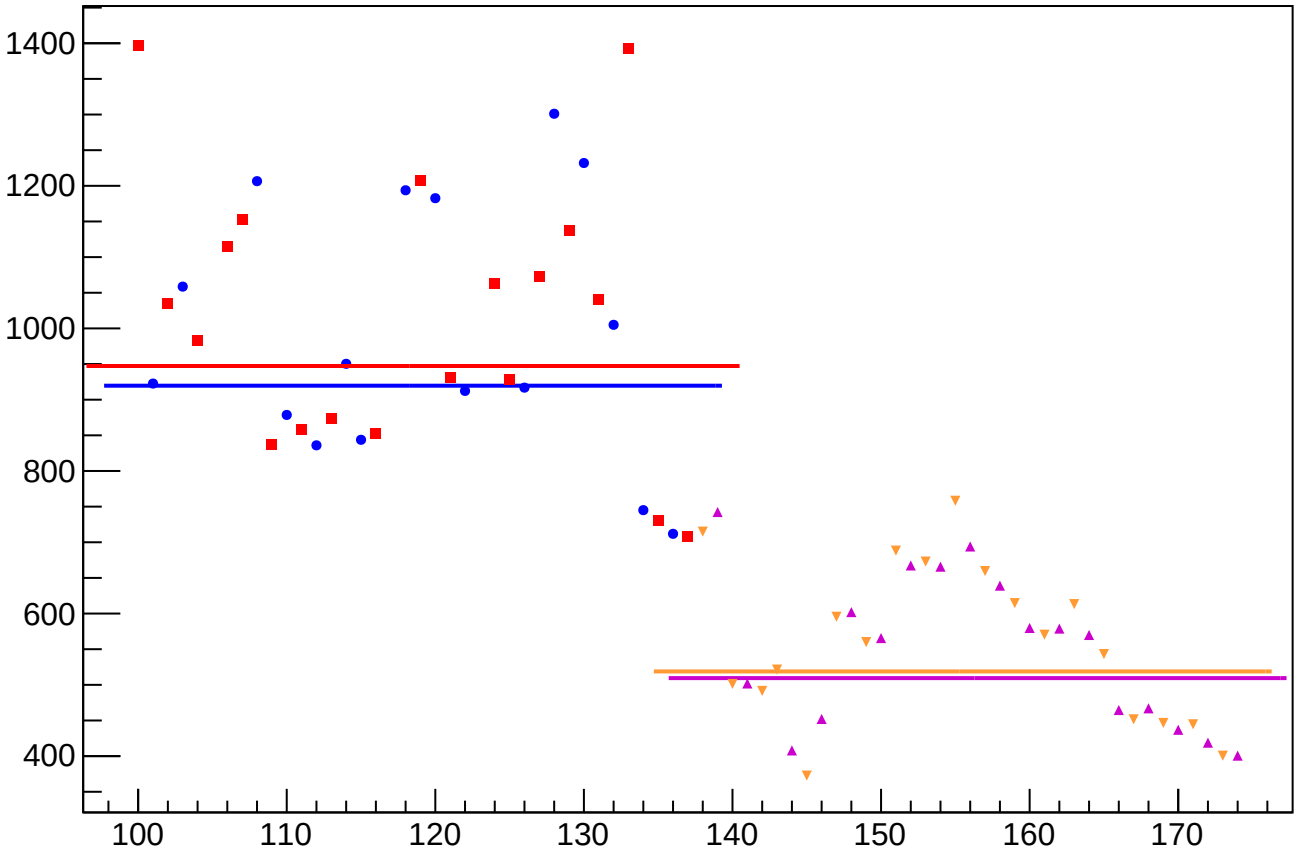
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -112.771+/-135.008 χ^2/NDF:17.4/17

+ sign -693.199+/-127.463 χ^2/NDF: 78.0/34

All: -439.634+/-89.637 χ^2/NDF: 117.4/71

- 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: 518.804+/-0.097 χ^2/NDF:1186630.0/18

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

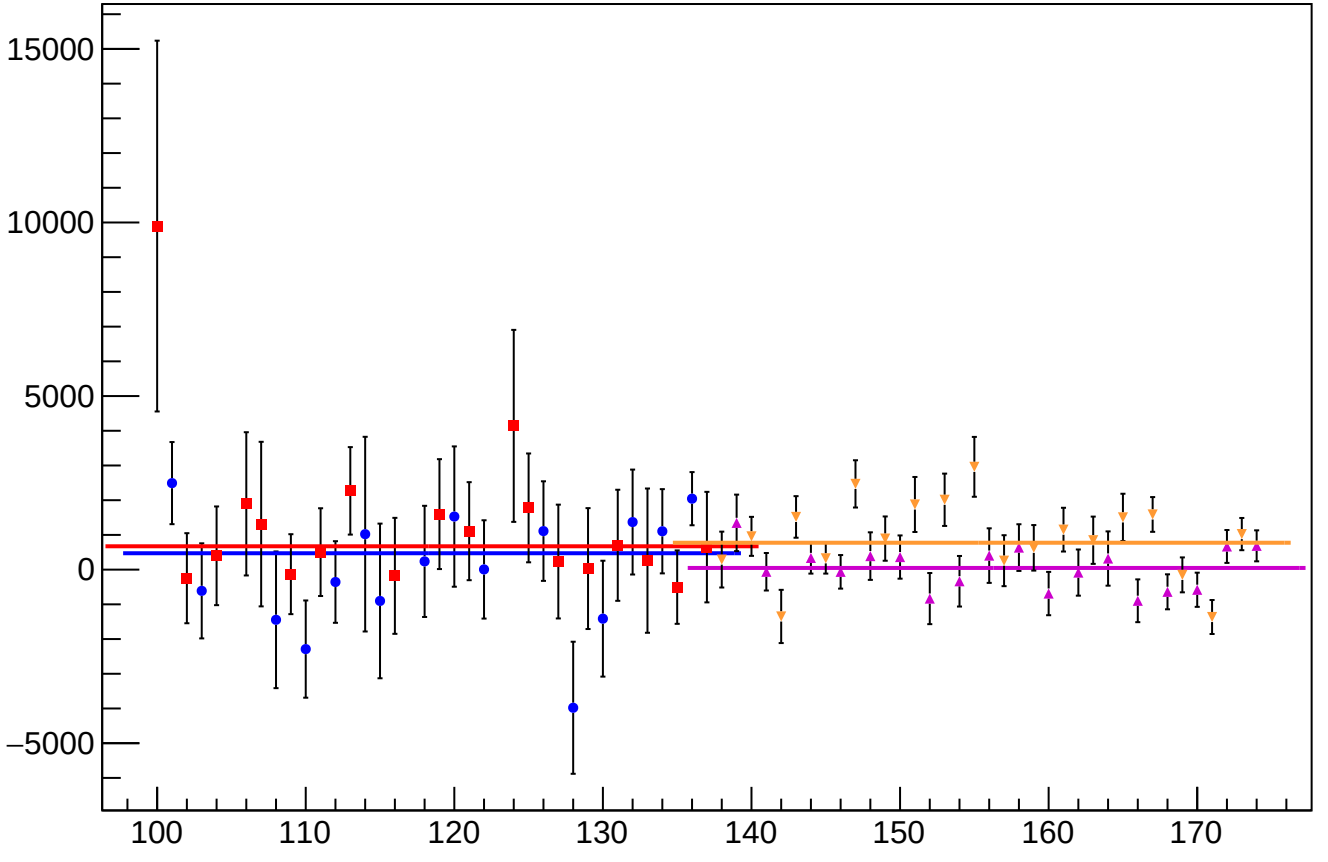
Left In: 509.445+/-0.095 χ^2/NDF:1072116.6/17

+ sign 571.943+/-0.090 χ^2/NDF: 3976489.3/34

All: 568.653+/-0.063 χ^2/NDF: 8166541.0/71

- 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: 774.716+/-139.408 χ^2/NDF:55.5/18

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

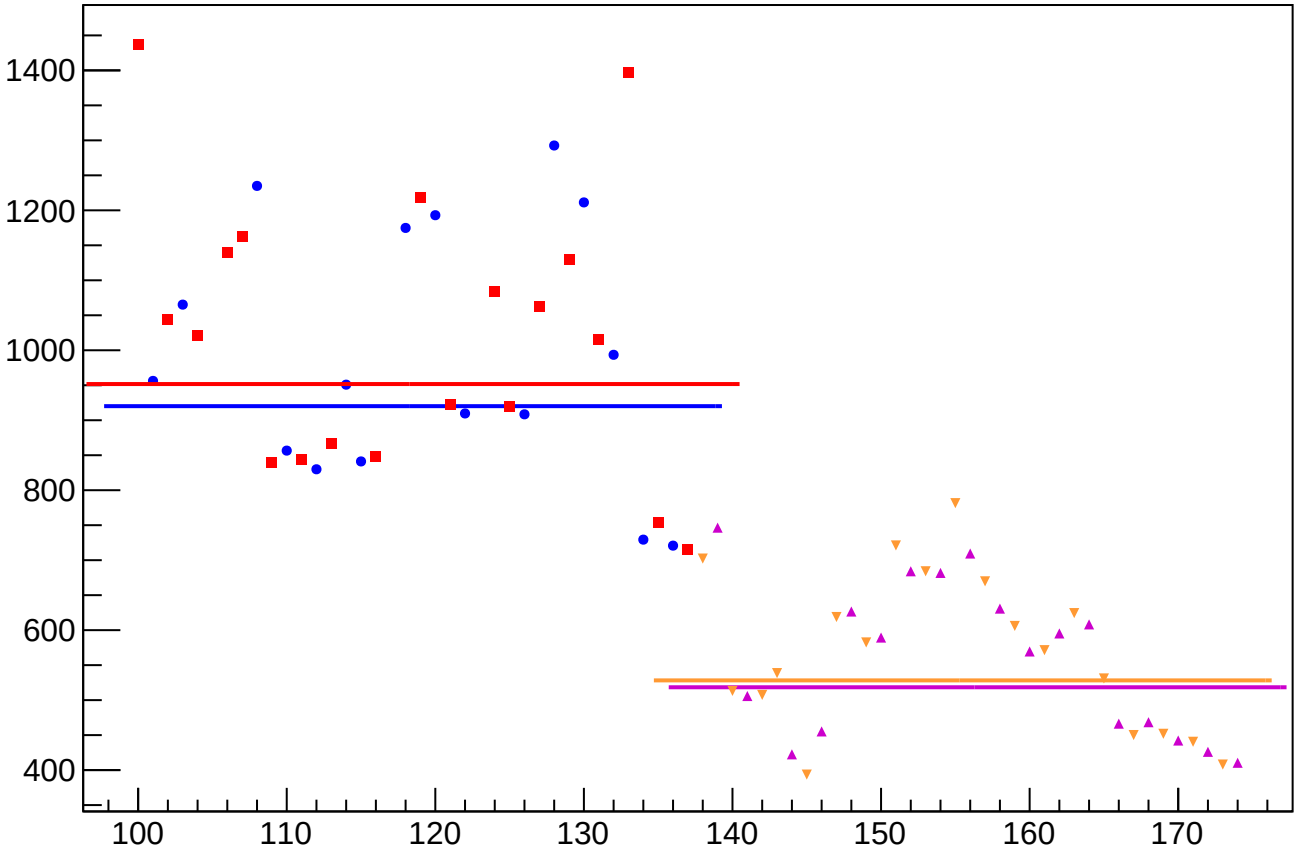
Left In: 48.351+/-137.339 χ^2/NDF:17.4/17

+ sign 733.345+/-129.531 χ^2/NDF: 77.7/34

All: 428.139+/-91.070 χ^2/NDF: 119.0/71

- 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: 528.204+/-0.099 χ^2/NDF:1155892.3/18

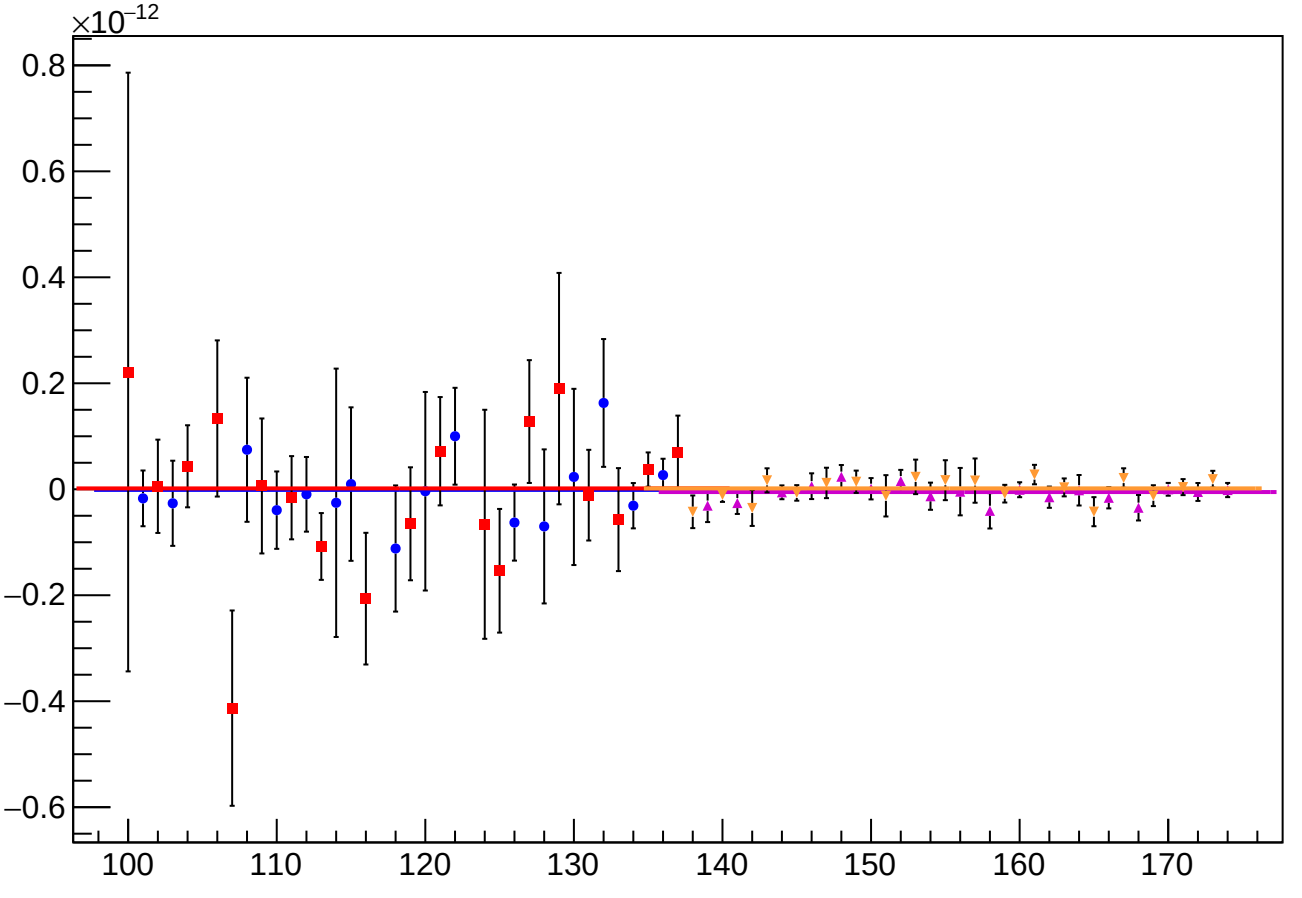
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 518.371+/-0.097 χ^2/NDF:1075576.0/17

\+ sign 581.769+/-0.092 χ^2/NDF: 3824977.4/34

All: 578.307+/-0.064 χ^2/NDF: 7918019.0/71

\- 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:14.1/18

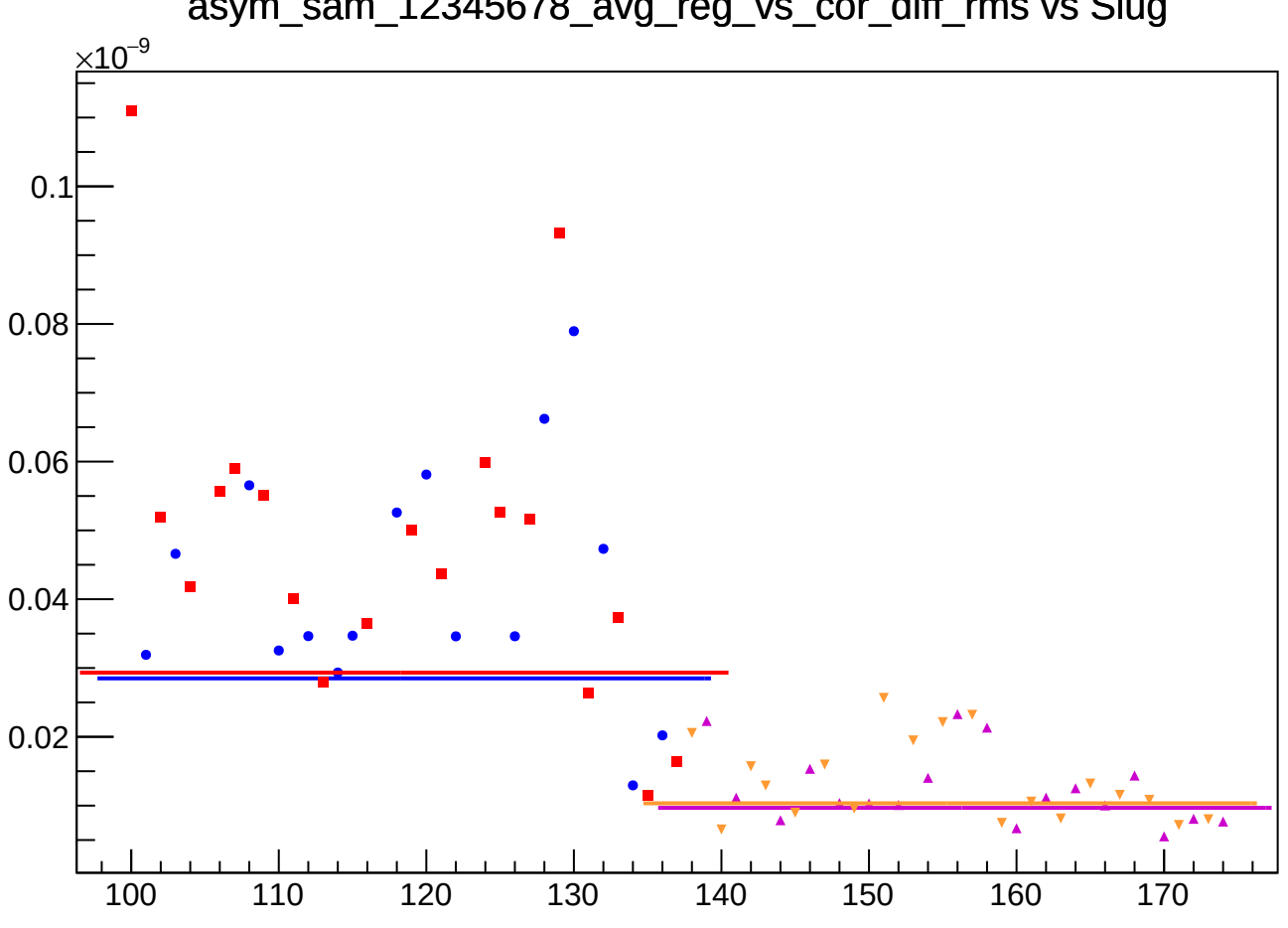
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/17

+ sign 0.000+/-0.000 χ^2/NDF: 21.1/34

All: -0.000+/-0.000 χ^2/NDF: 50.0/71

- 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:1668273.7/18

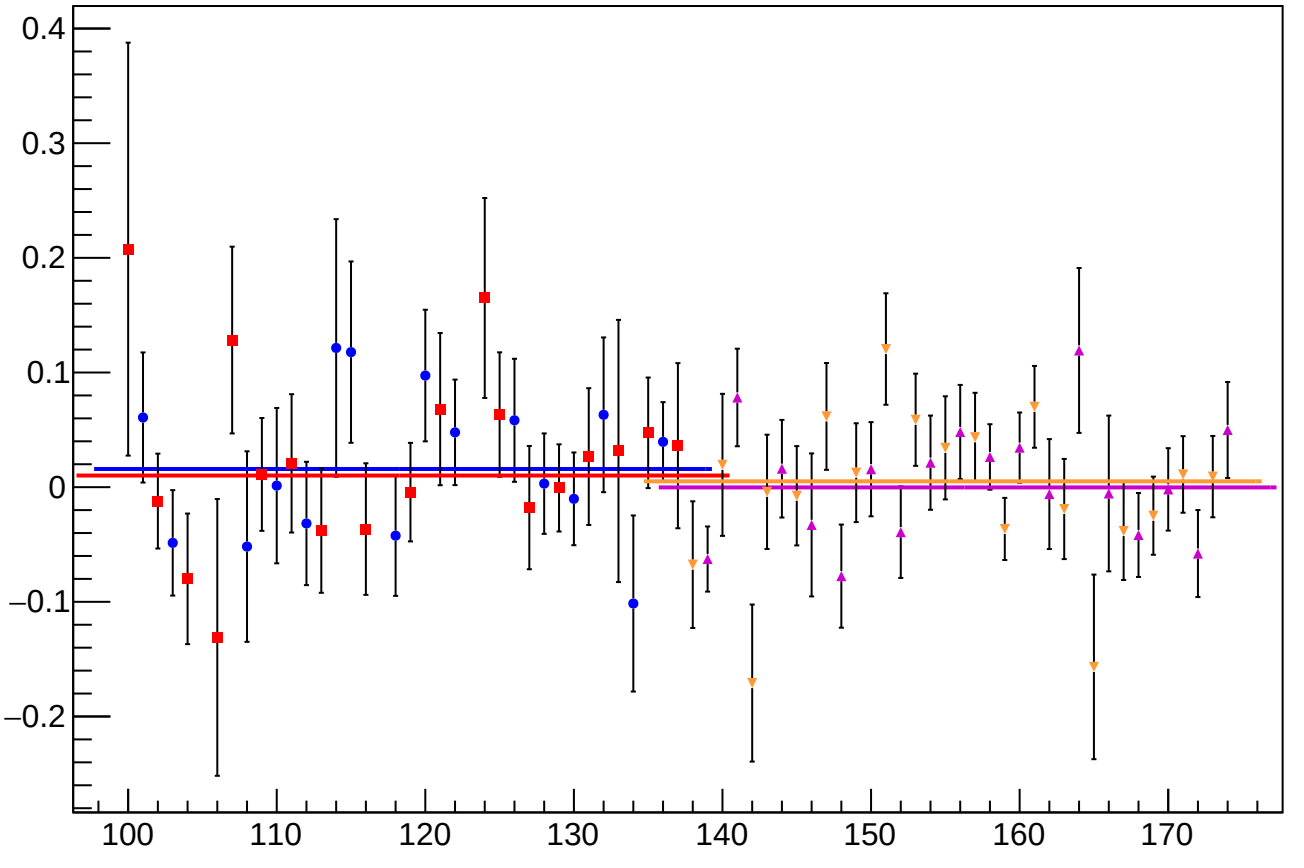
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1472207.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 4786641.9/34

All: 0.000+/-0.000 χ^2/NDF: 9915334.7/71

- 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:30.7/18

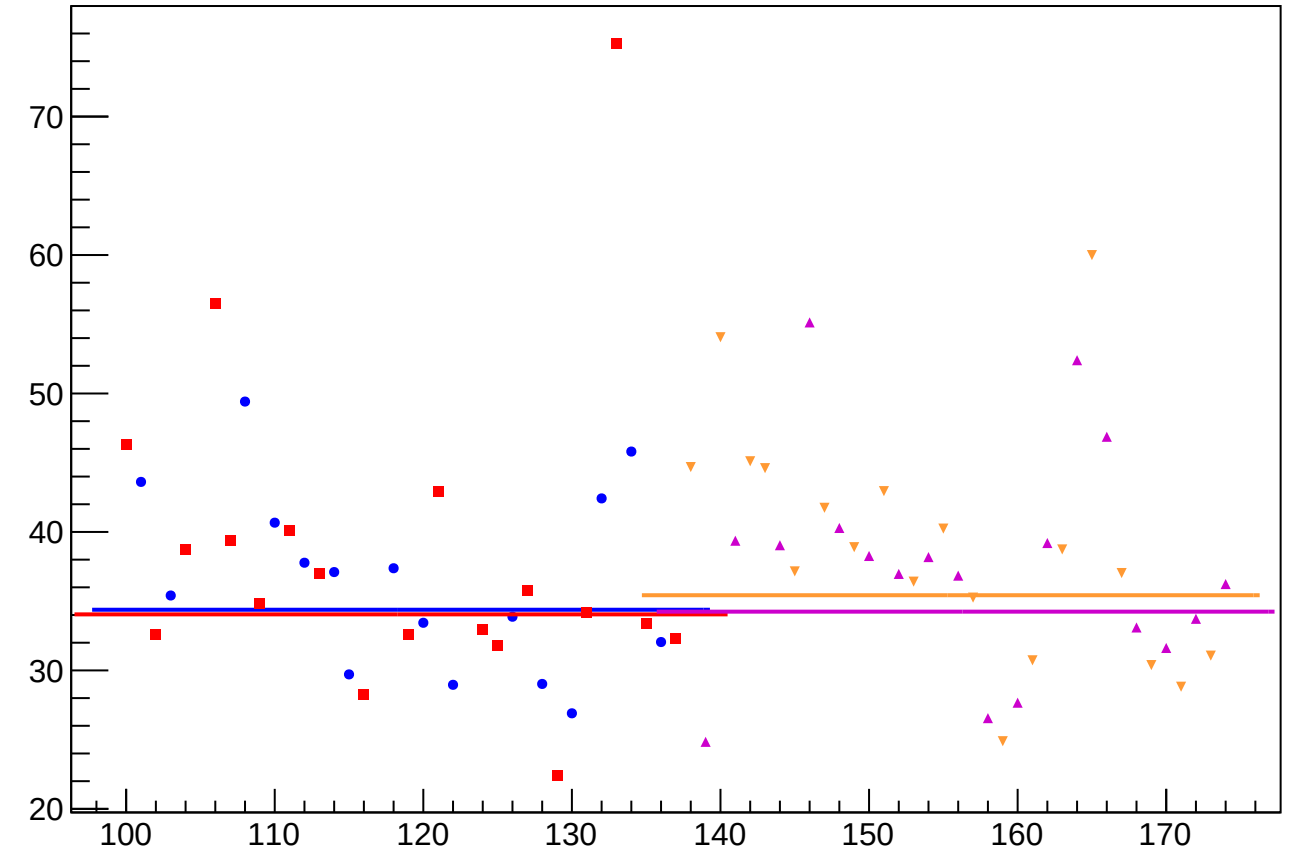
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.009 χ^2/NDF:24.3/17

+ sign 0.009+/-0.008 χ^2/NDF: 45.9/34

All: 0.006+/-0.005 χ^2/NDF: 86.0/71

- 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: 35.430+/-0.007 χ^2/NDF:1160280.7/18

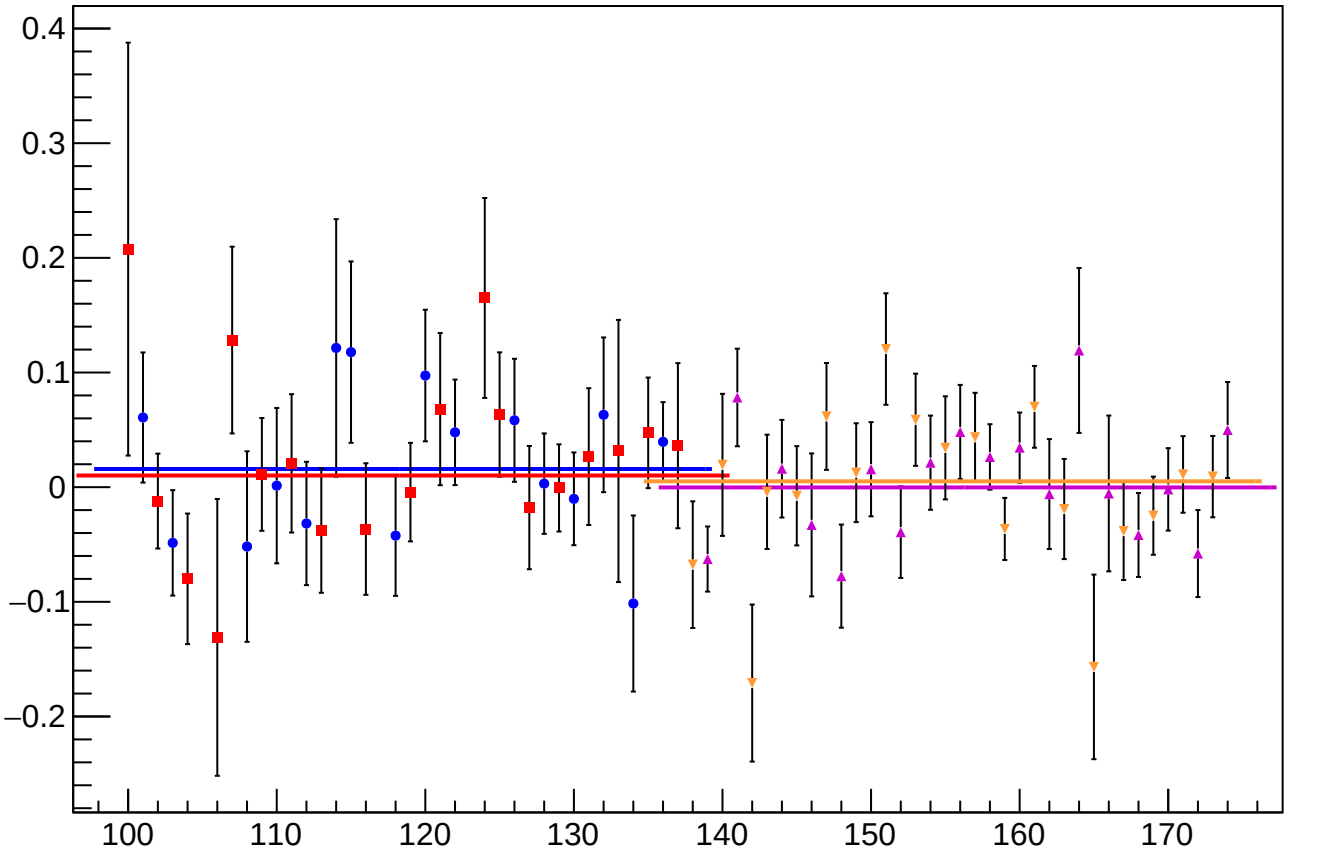
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

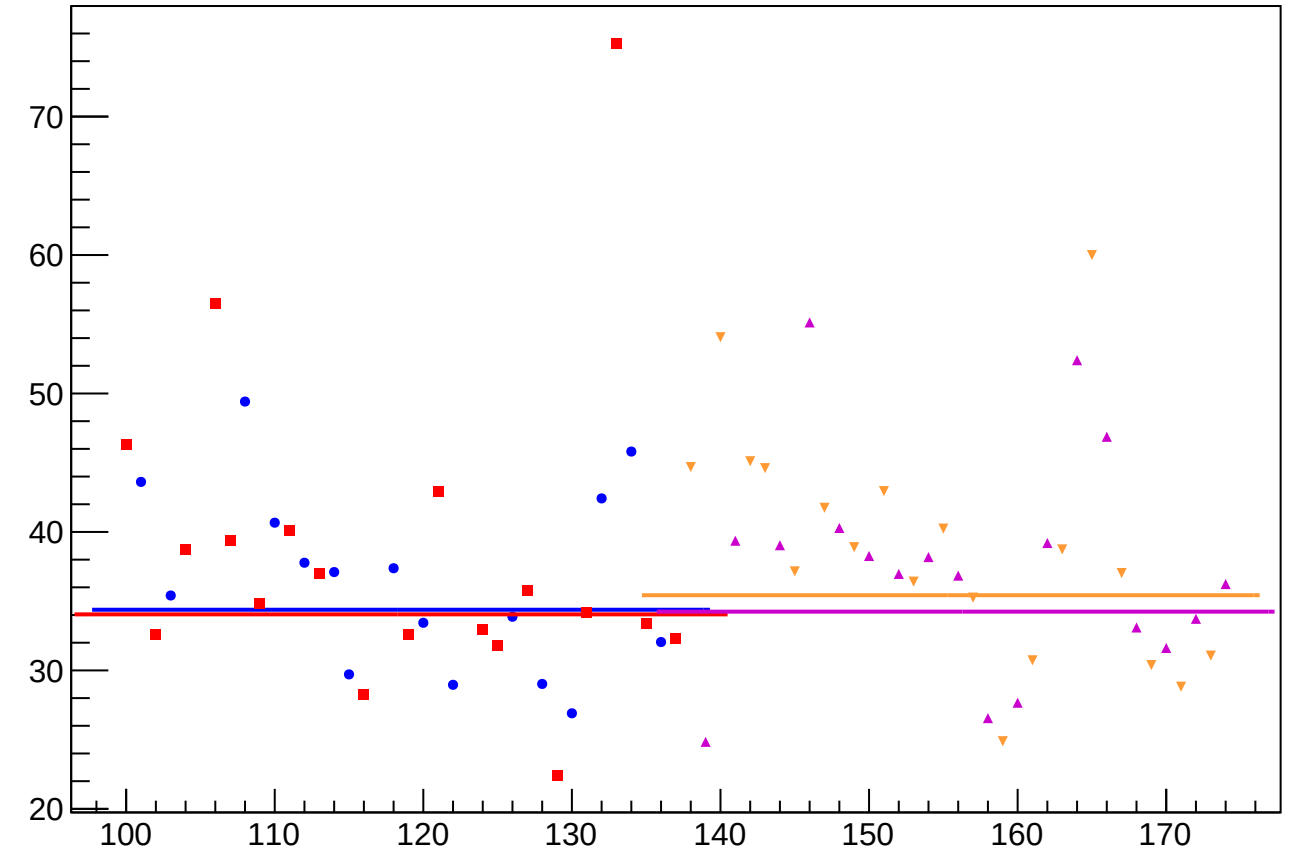
Left In: 34.244+/-0.007 χ^2/NDF:1062220.0/17

+ sign 35.075+/-0.006 χ^2/NDF: 1536256.5/34

All: 34.617+/-0.004 χ^2/NDF: 3254962.6/71

- sign 34.178+/-0.005 χ^2/NDF: 1705211.7/36


asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.005+/-0.010 χ²/NDF:30.7/18
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: -0.000+/-0.009 χ²/NDF:24.3/17
+ sign 0.009+/-0.008 χ²/NDF: 45.9/34
All: 0.006+/-0.005 χ²/NDF: 86.0/71
- sign 0.003+/-0.008 χ²/NDF: 39.9/36



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.430+/-0.007 χ^2/NDF:1160280.7/18

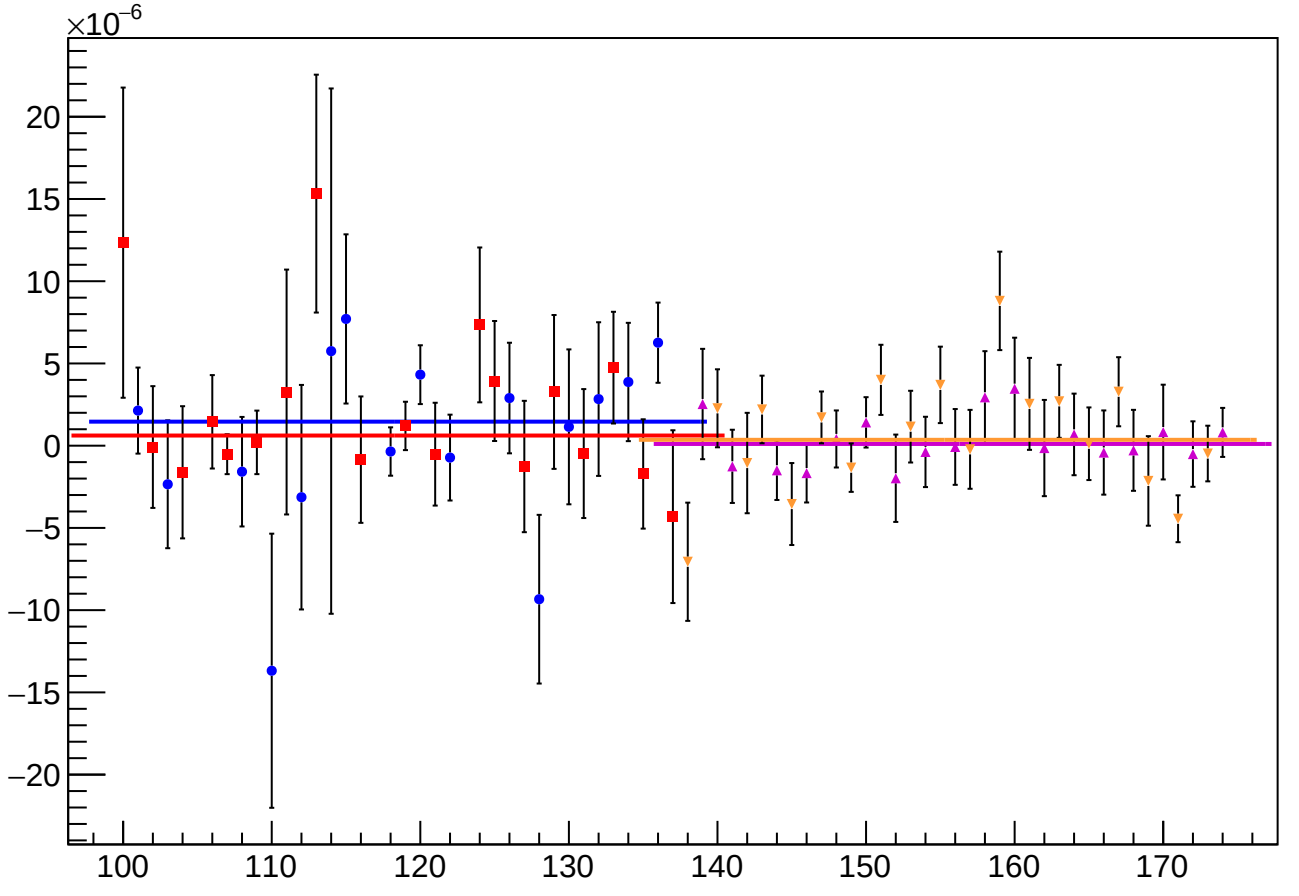
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.244+/-0.007 χ^2/NDF:1062220.0/17

+ sign 35.075+/-0.006 χ^2/NDF: 1536256.5/34

All: 34.617+/-0.004 χ^2/NDF: 3254962.6/71

- 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:39.7/18

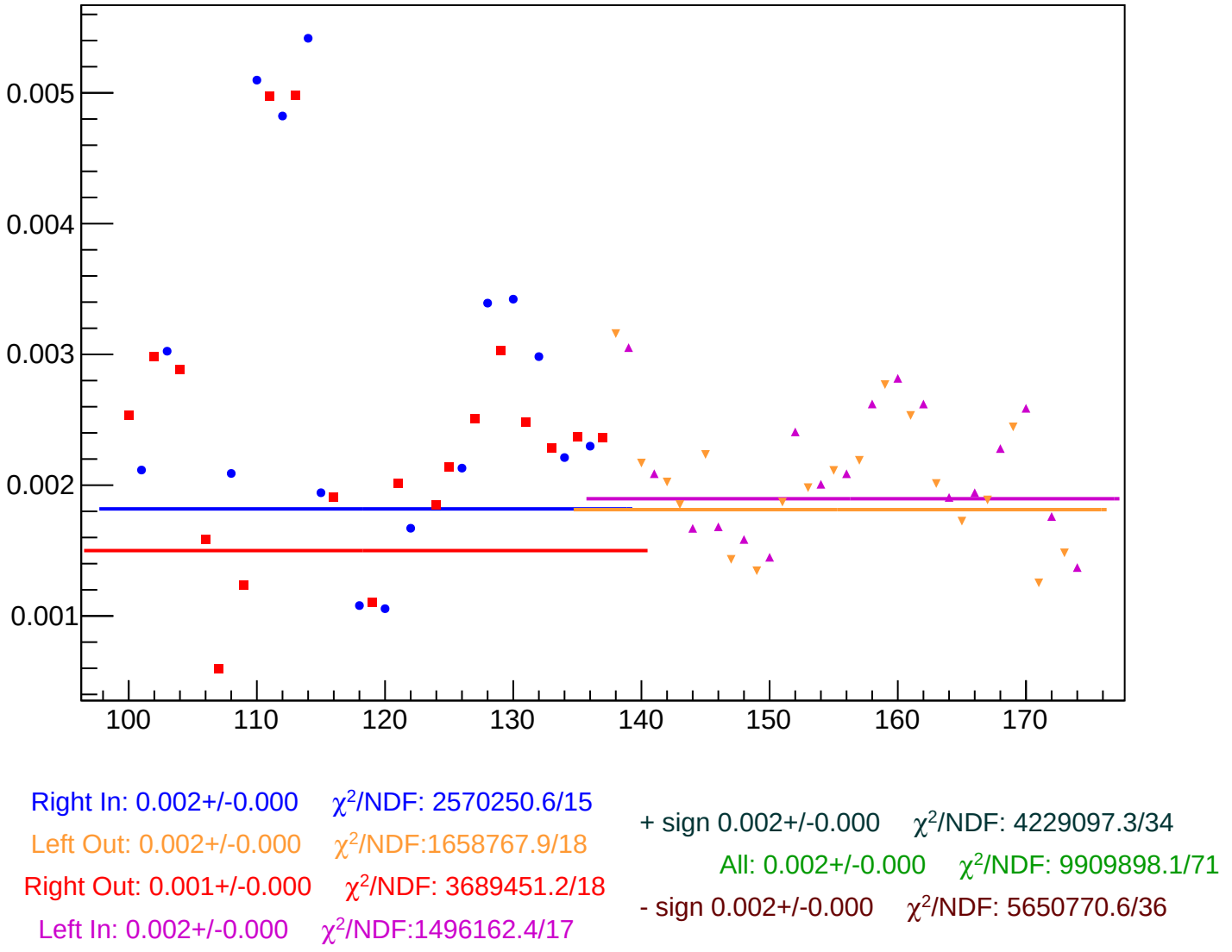
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

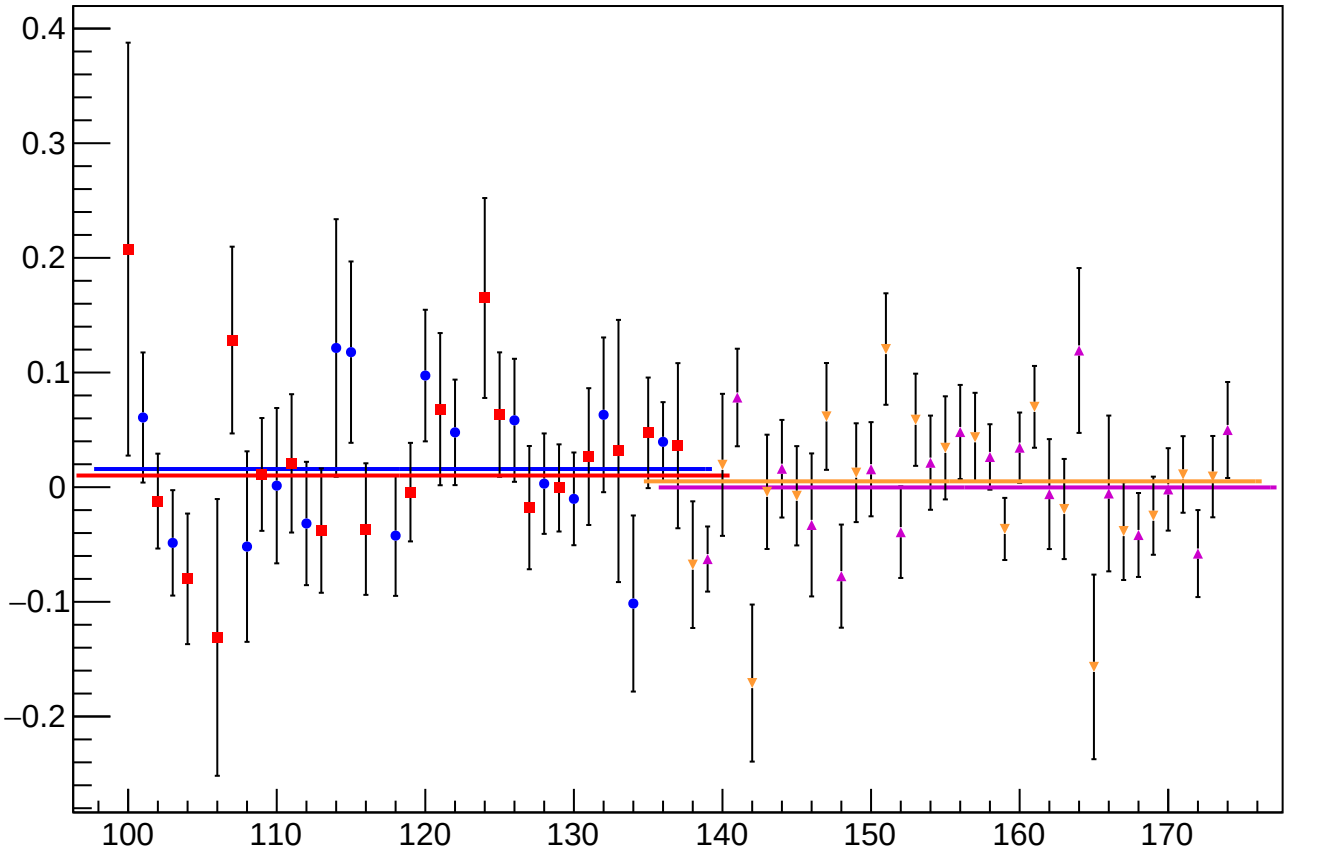
Left In: 0.000+/-0.000 χ^2/NDF:6.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 62.2/34

All: 0.000+/-0.000 χ^2/NDF: 83.8/71

- sign 0.000+/-0.000 χ^2/NDF: 21.1/36


asym_sam_12345678_avg_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: 2570250.6/15
Left Out: 0.002+/-0.000 χ²/NDF:1658767.9/18
Right Out: 0.001+/-0.000 χ²/NDF: 3689451.2/18
Left In: 0.002+/-0.000 χ²/NDF:1496162.4/17
+ sign 0.002+/-0.000 χ²/NDF: 4229097.3/34
All: 0.002+/-0.000 χ²/NDF: 9909898.1/71
- sign 0.002+/-0.000 χ²/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:30.7/18

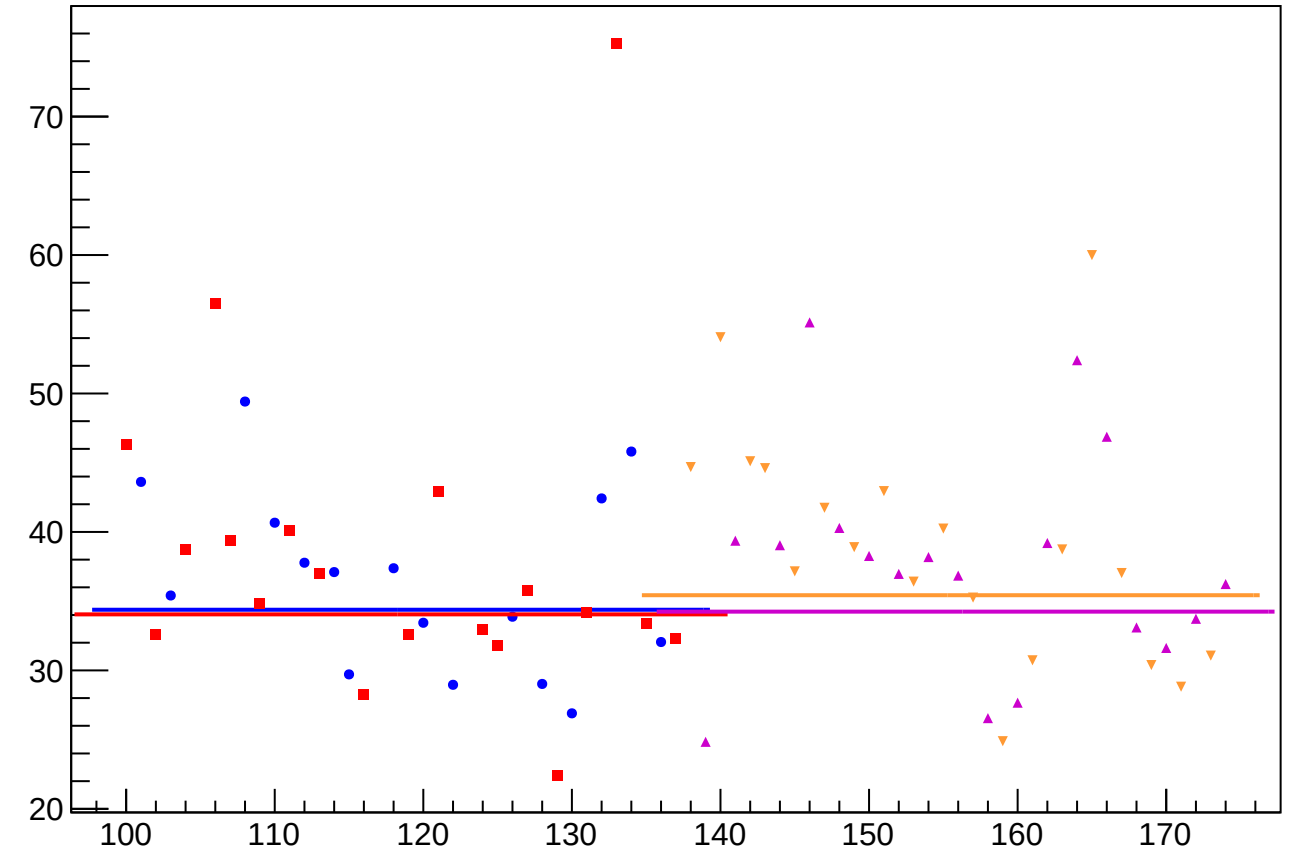
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.009 χ^2/NDF:24.3/17

+ sign 0.009+/-0.008 χ^2/NDF: 45.9/34

All: 0.006+/-0.005 χ^2/NDF: 86.0/71

- 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: 35.430+/-0.007 χ^2/NDF:1160344.6/18

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

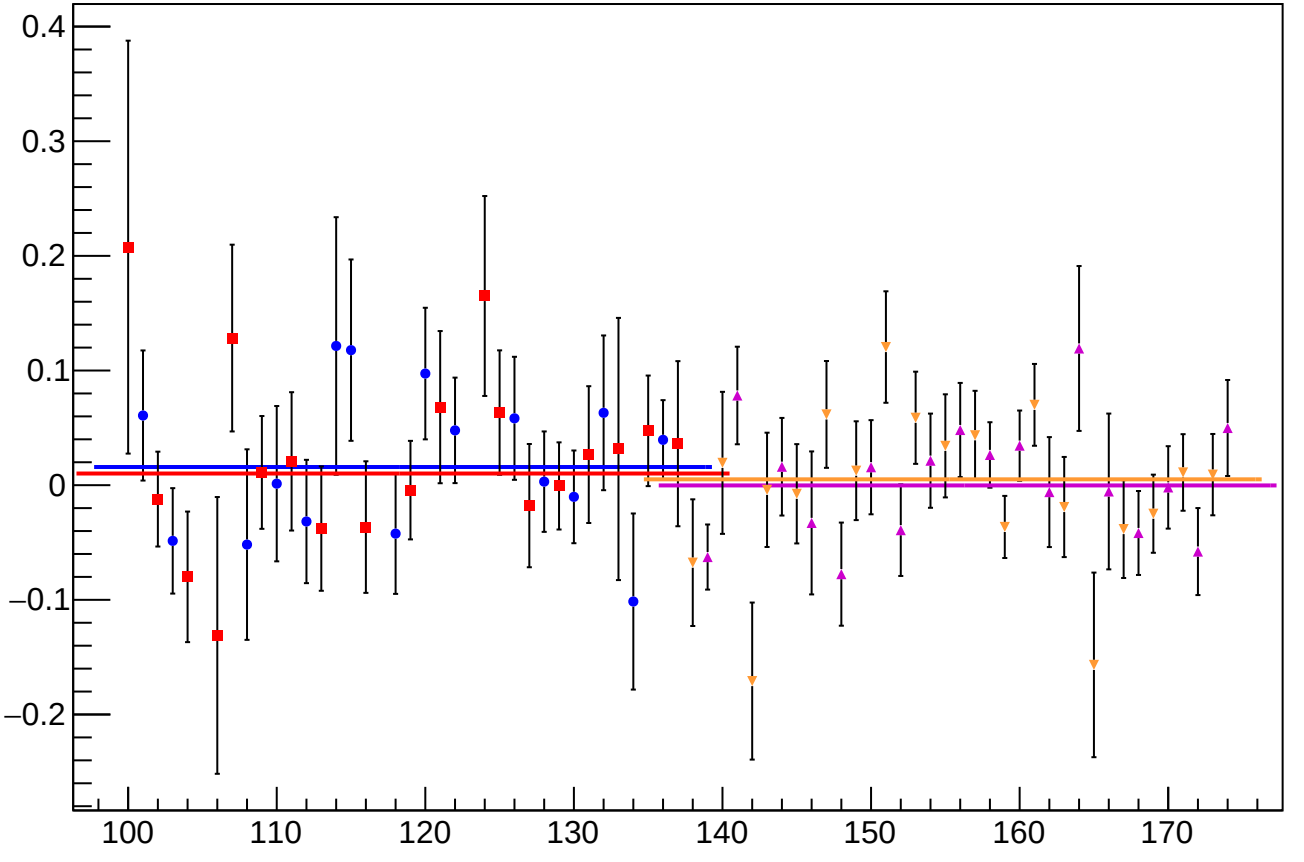
Left In: 34.244+/-0.007 χ^2/NDF:1062290.2/17

+ sign 35.074+/-0.006 χ^2/NDF: 1536392.6/34

All: 34.617+/-0.004 χ^2/NDF: 3255211.3/71

- sign 34.178+/-0.005 χ^2/NDF: 1705328.6/36

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.7/18

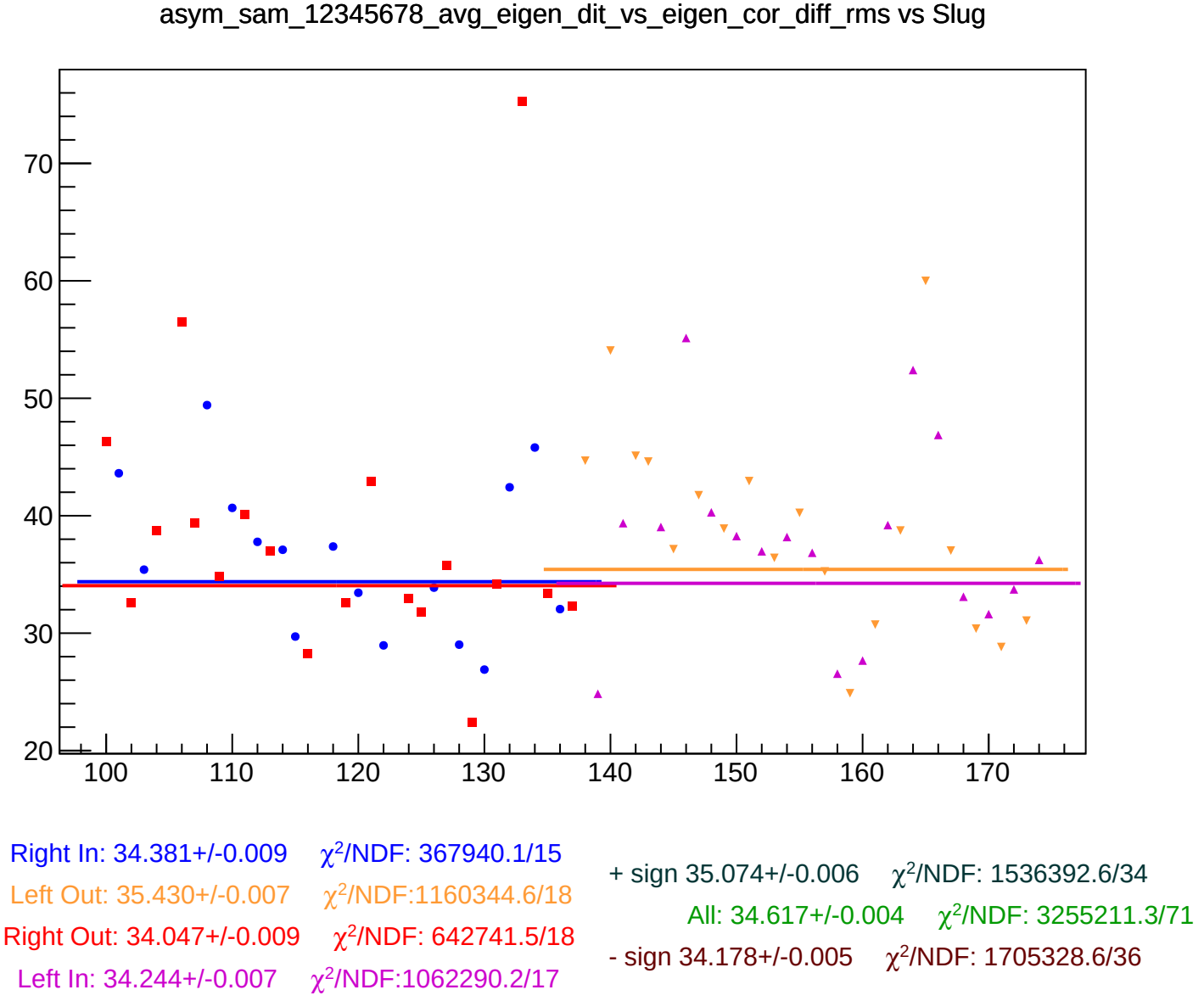
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

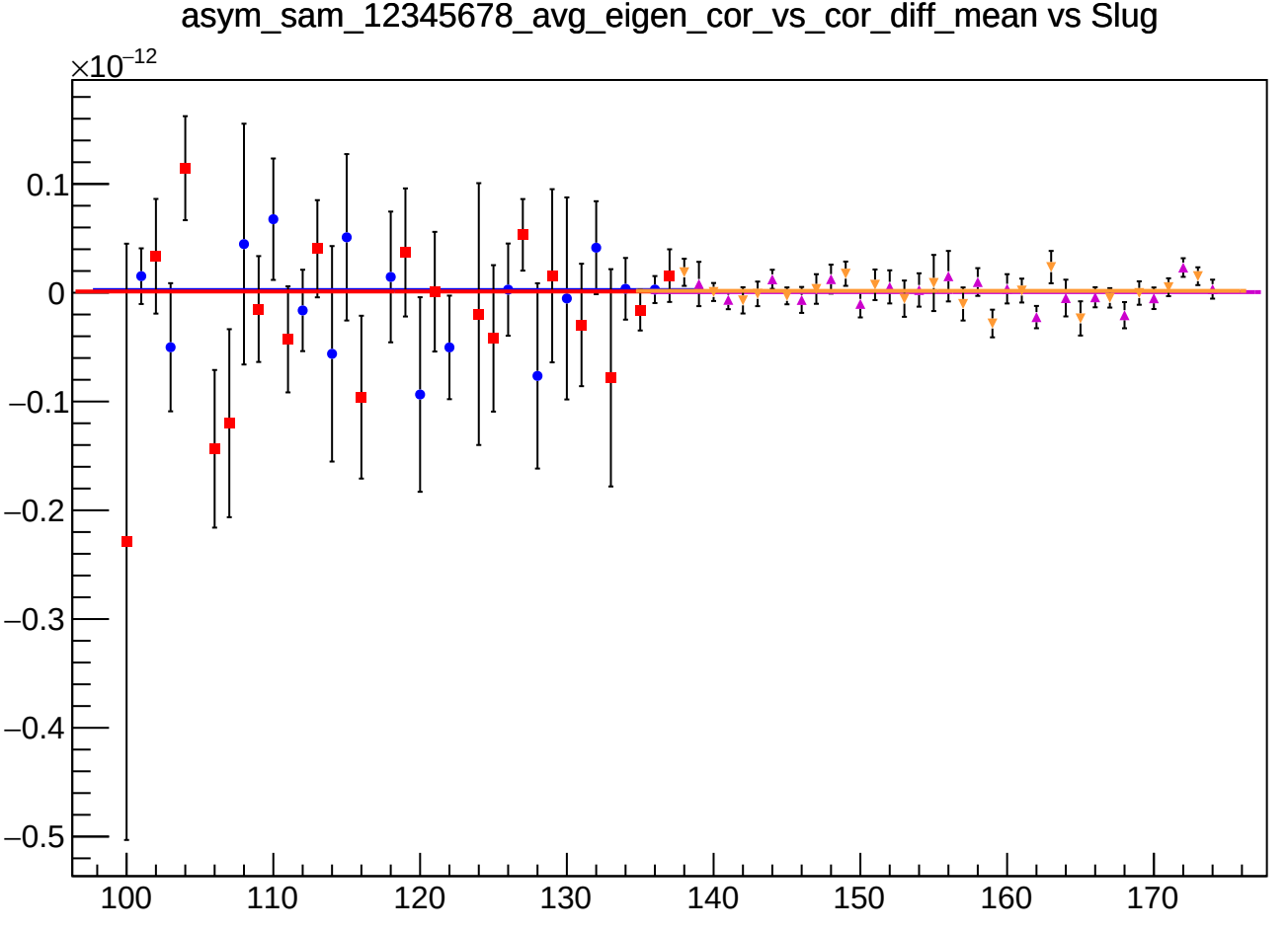
Left In: -0.000+/-0.009 χ^2/NDF:24.3/17

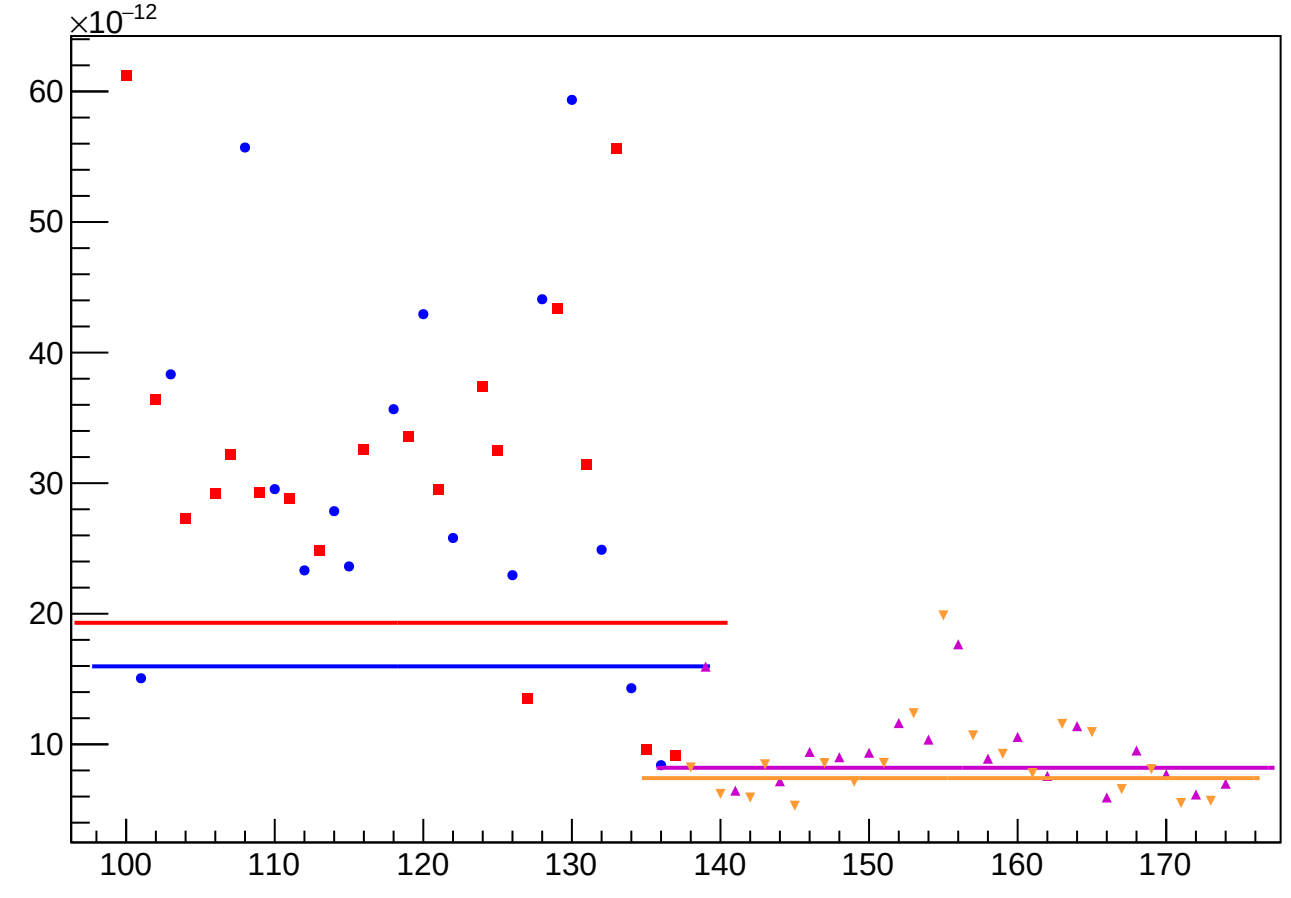
+ sign 0.009+/-0.008 χ^2/NDF: 45.9/34

All: 0.006+/-0.005 χ^2/NDF: 86.0/71

- sign 0.003+/-0.008 χ^2/NDF: 39.9/36


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 35.430+/-0.007 χ²/NDF:1160344.6/18
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 34.244+/-0.007 χ²/NDF:1062290.2/17
+ sign 35.074+/-0.006 χ²/NDF: 1536392.6/34
All: 34.617+/-0.004 χ²/NDF: 3255211.3/71
- sign 34.178+/-0.005 χ²/NDF: 1705328.6/36


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 7.7/15
Left Out: 0.000+/-0.000 χ²/NDF:19.6/18
Right Out: 0.000+/-0.000 χ²/NDF: 21.5/18
Left In: 0.000+/-0.000 χ²/NDF:21.5/17
+ sign 0.000+/-0.000 χ²/NDF: 27.3/34
All: 0.000+/-0.000 χ²/NDF: 70.4/71
- sign 0.000+/-0.000 χ²/NDF: 43.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1537725.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

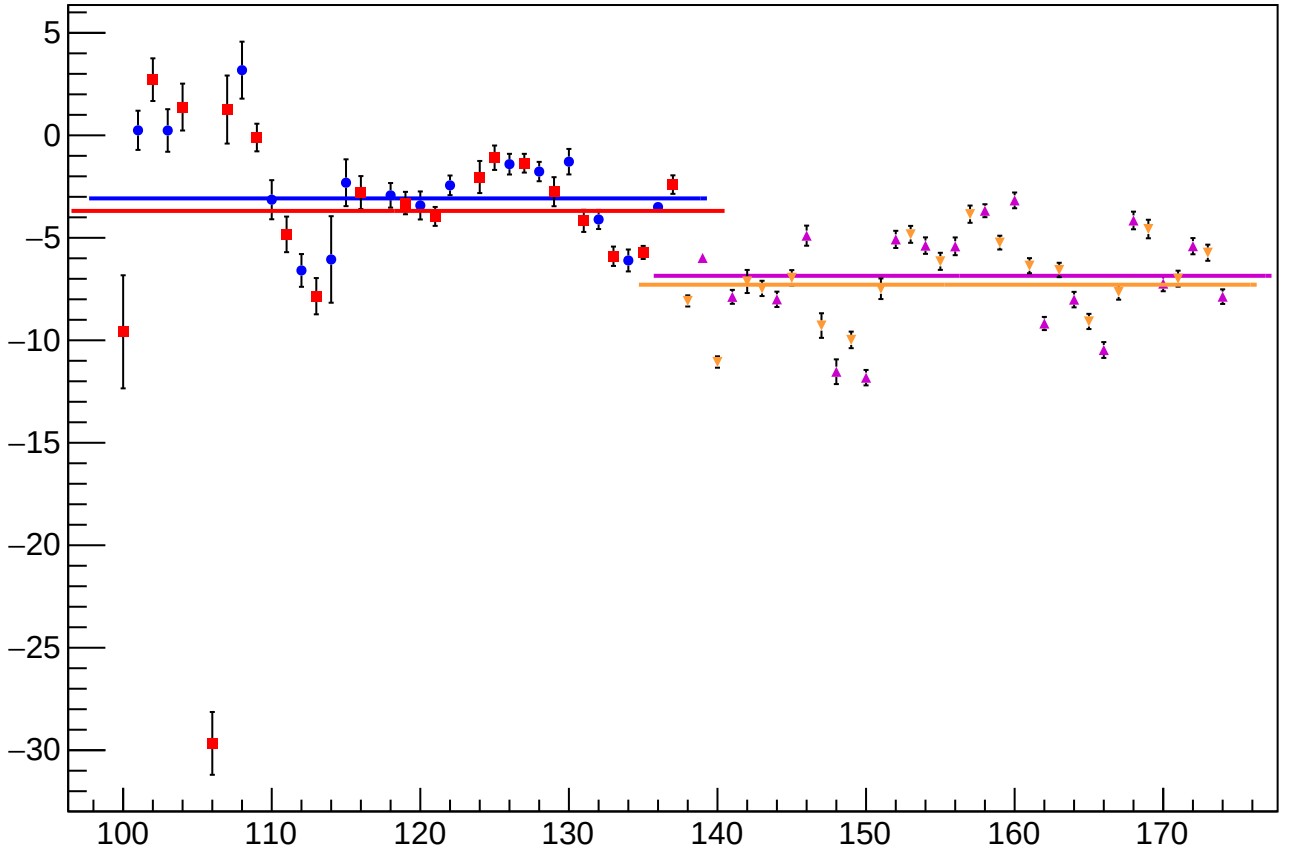
Left In: 0.000+/-0.000 χ^2/NDF:1366500.8/17

+ sign 0.000+/-0.000 χ^2/NDF: 6135141.9/34

All: 0.000+/-0.000 χ^2/NDF: 12267639.5/71

- sign 0.000+/-0.000 χ^2/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: -7.288+/-0.088 χ^2/NDF:483.7/18

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

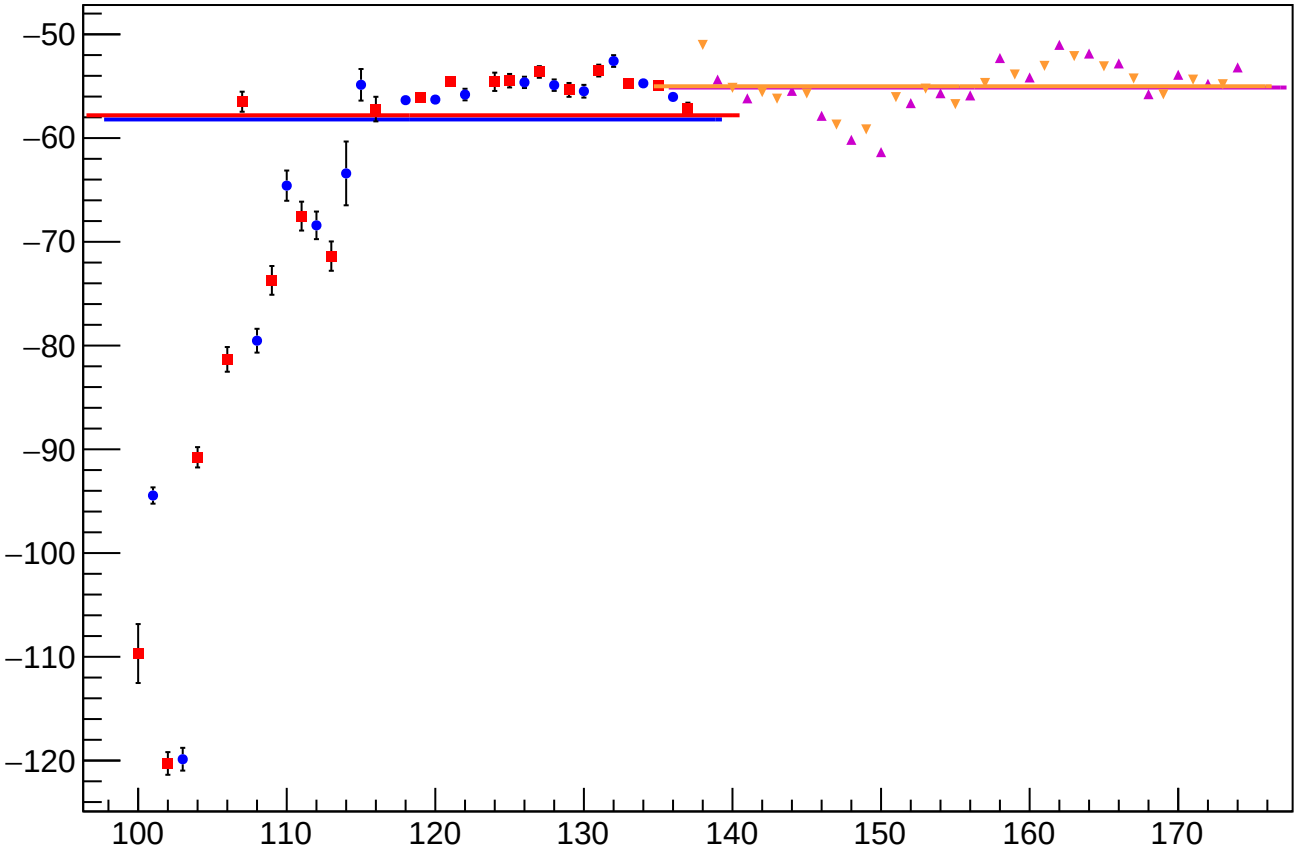
Left In: -6.853+/-0.087 χ^2/NDF:728.3/17

+ sign -6.043+/-0.074 χ^2/NDF: 1300.6/34

All: -6.007+/-0.052 χ^2/NDF: 2931.8/71

- sign -5.969+/-0.074 χ^2/NDF: 1630.7/36

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -55.007+/-0.065 χ^2/NDF:944.4/18

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

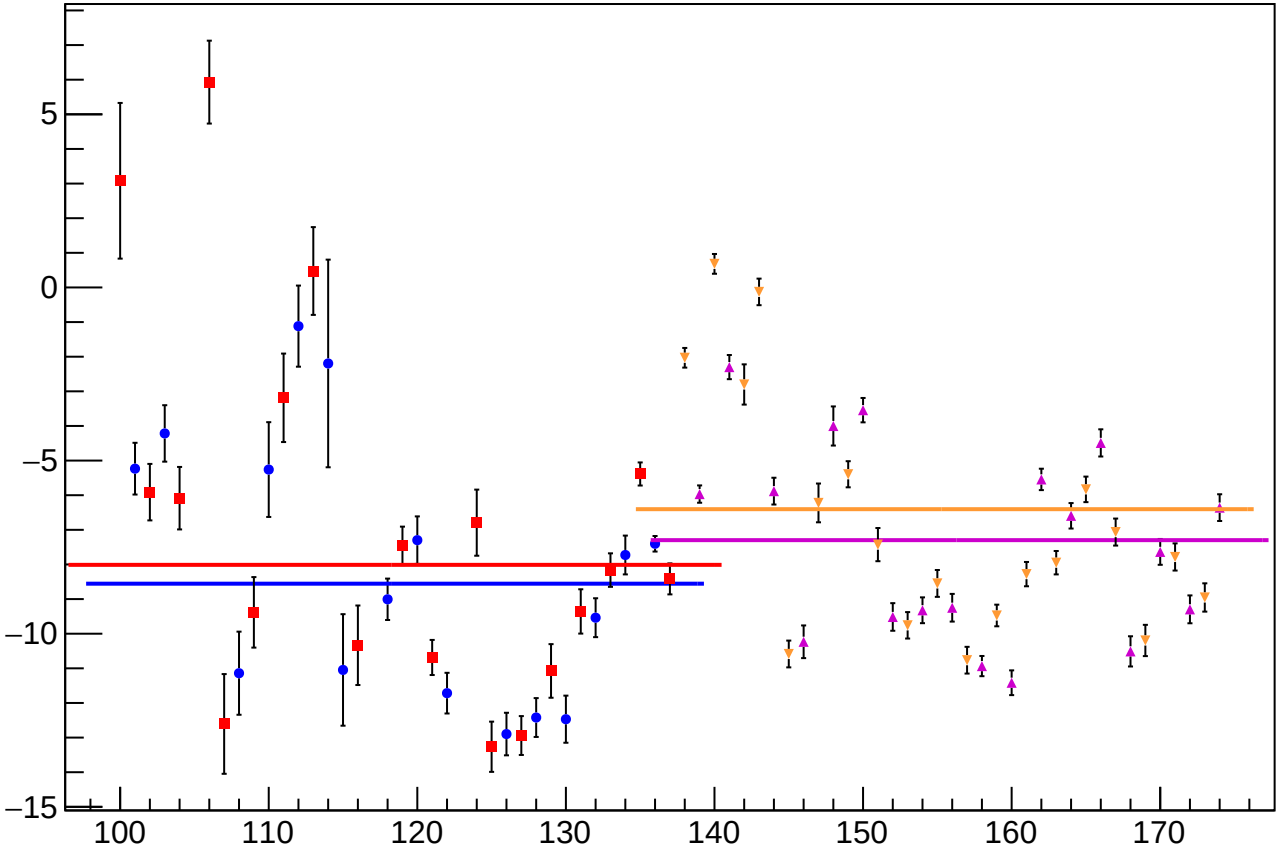
Left In: -55.127+/-0.067 χ^2/NDF:1724.7/17

+ sign -55.599+/-0.058 χ^2/NDF: 7524.6/34

All: -55.614+/-0.042 χ^2/NDF: 15345.5/71

- 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: -6.404+/-0.086 χ^2/NDF:1796.0/18

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

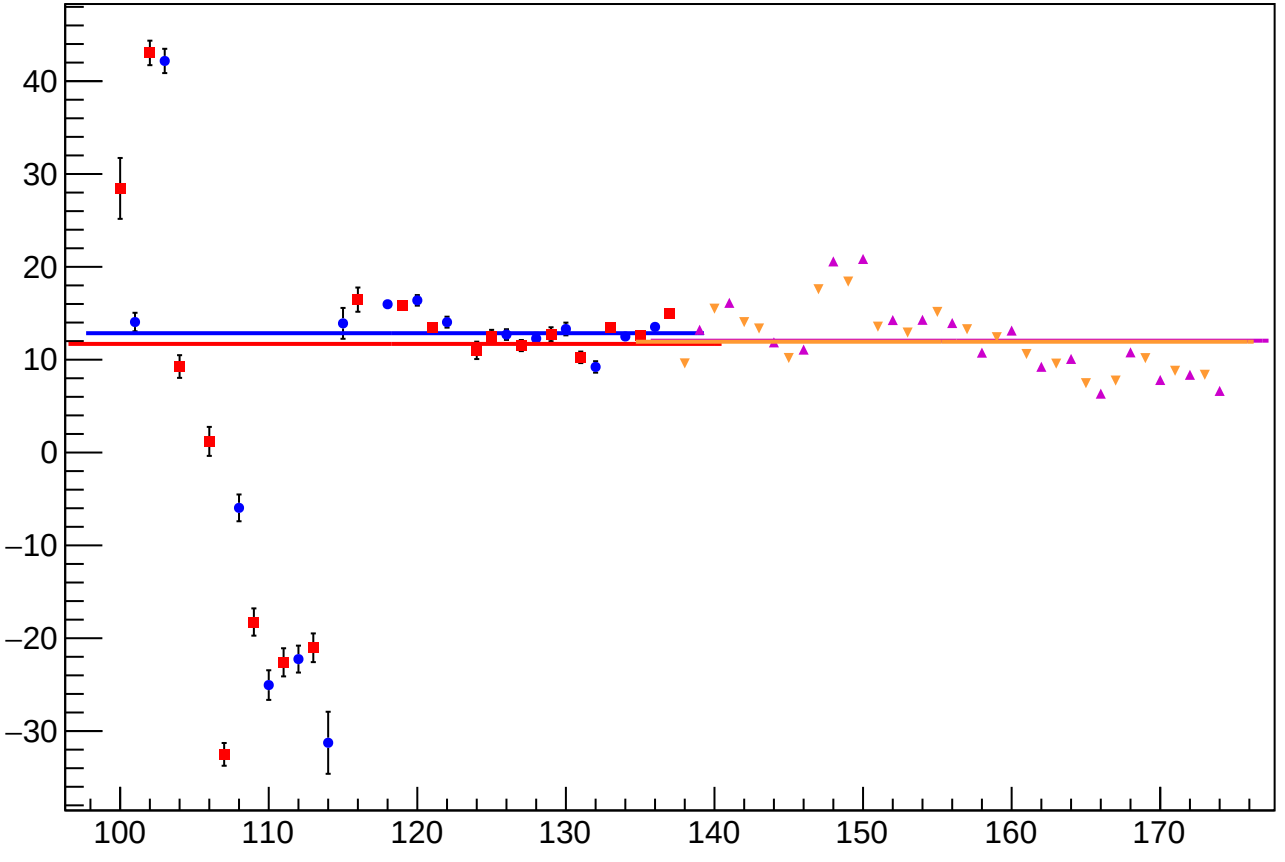
Left In: -7.298+/-0.086 χ^2/NDF:978.6/17

+ sign -6.968+/-0.074 χ^2/NDF: 2259.8/34

All: -7.216+/-0.053 χ^2/NDF: 3766.9/71

- 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: 11.935+/-0.073 χ^2/NDF:1768.5/18

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

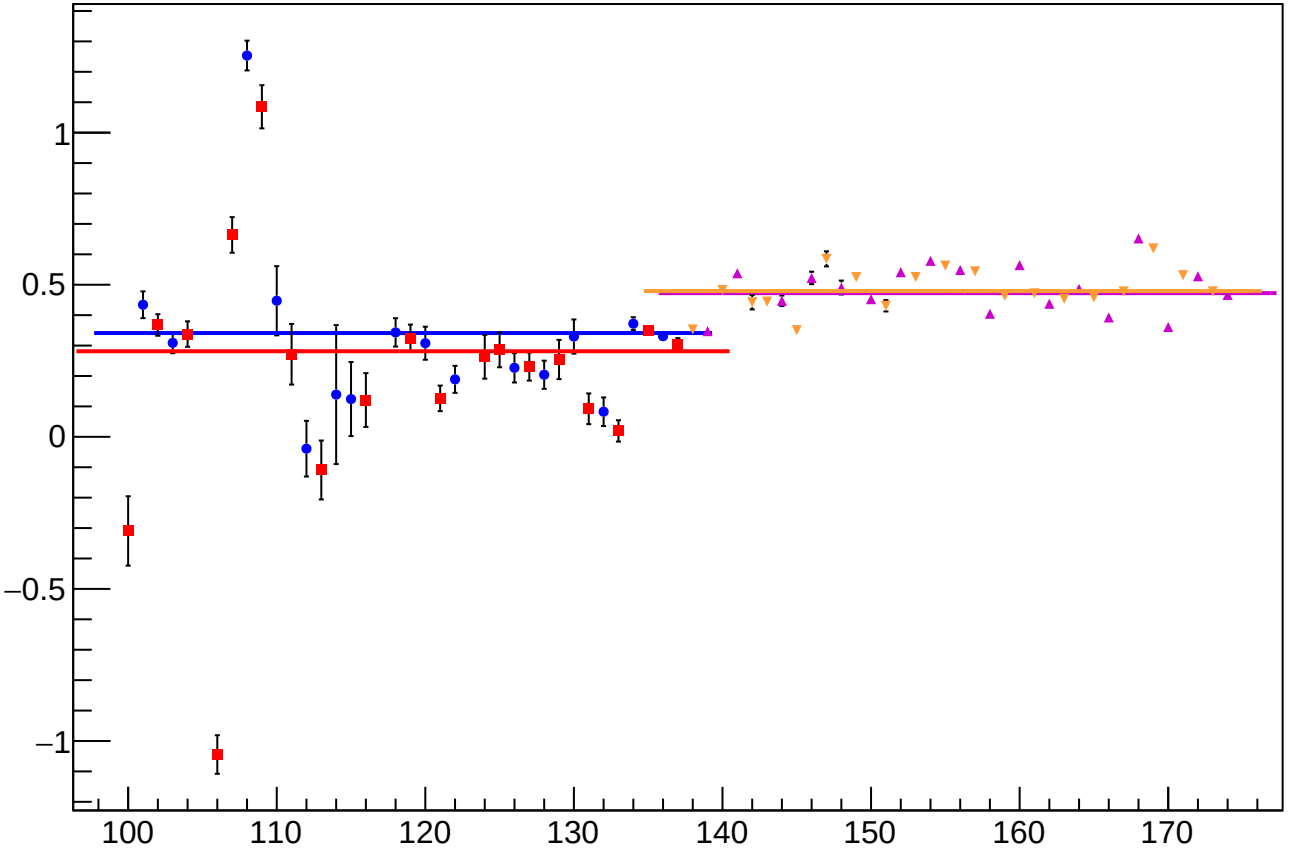
Left In: 12.047+/-0.074 χ^2/NDF:2757.8/17

+ sign 12.110+/-0.066 χ^2/NDF: 3927.1/34

All: 12.047+/-0.047 χ^2/NDF: 10189.6/71

- 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: 0.479+/-0.003 χ^2/NDF:427.2/18

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

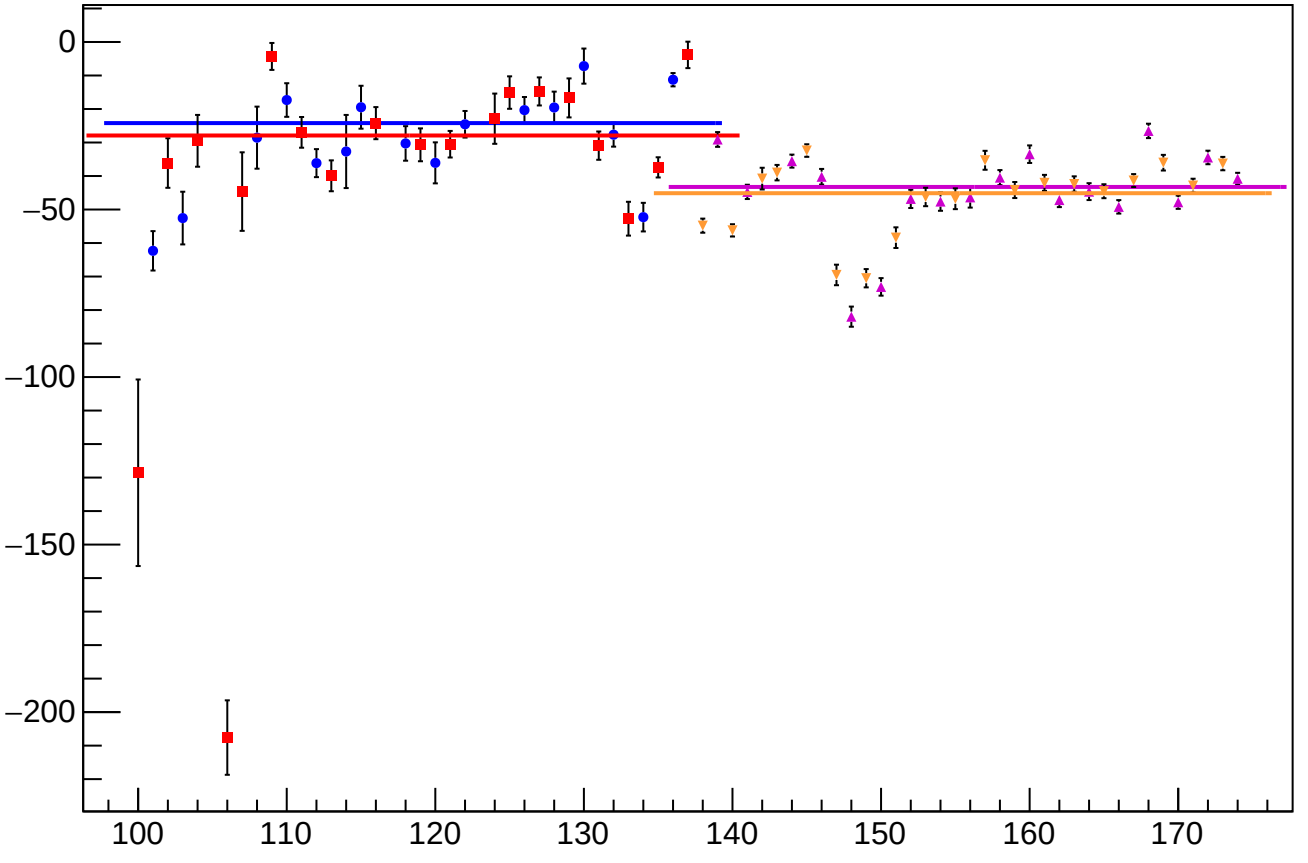
Left In: 0.472+/-0.003 χ^2/NDF:727.6/17

+ sign 0.460+/-0.003 χ^2/NDF: 1125.4/34

All: 0.454+/-0.002 χ^2/NDF: 3083.9/71

- 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: -45.130+/-0.534 χ^2/NDF:336.6/18

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

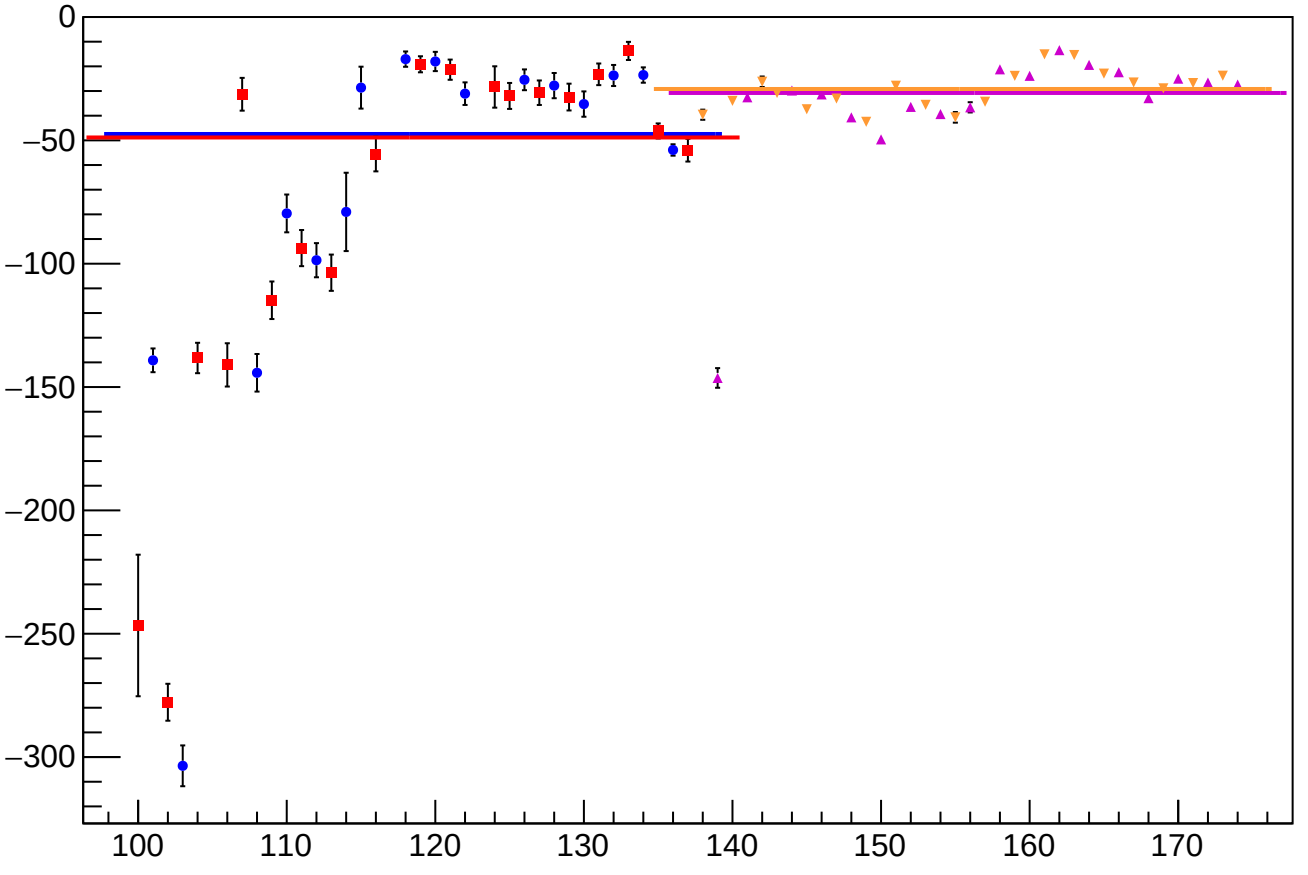
Left In: -43.262+/-0.534 χ^2/NDF:474.7/17

+ sign -41.057+/-0.479 χ^2/NDF: 806.1/34

All: -40.776+/-0.340 χ^2/NDF: 1844.3/71

- 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: -29.174+/-0.383 χ^2/NDF:372.7/18

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

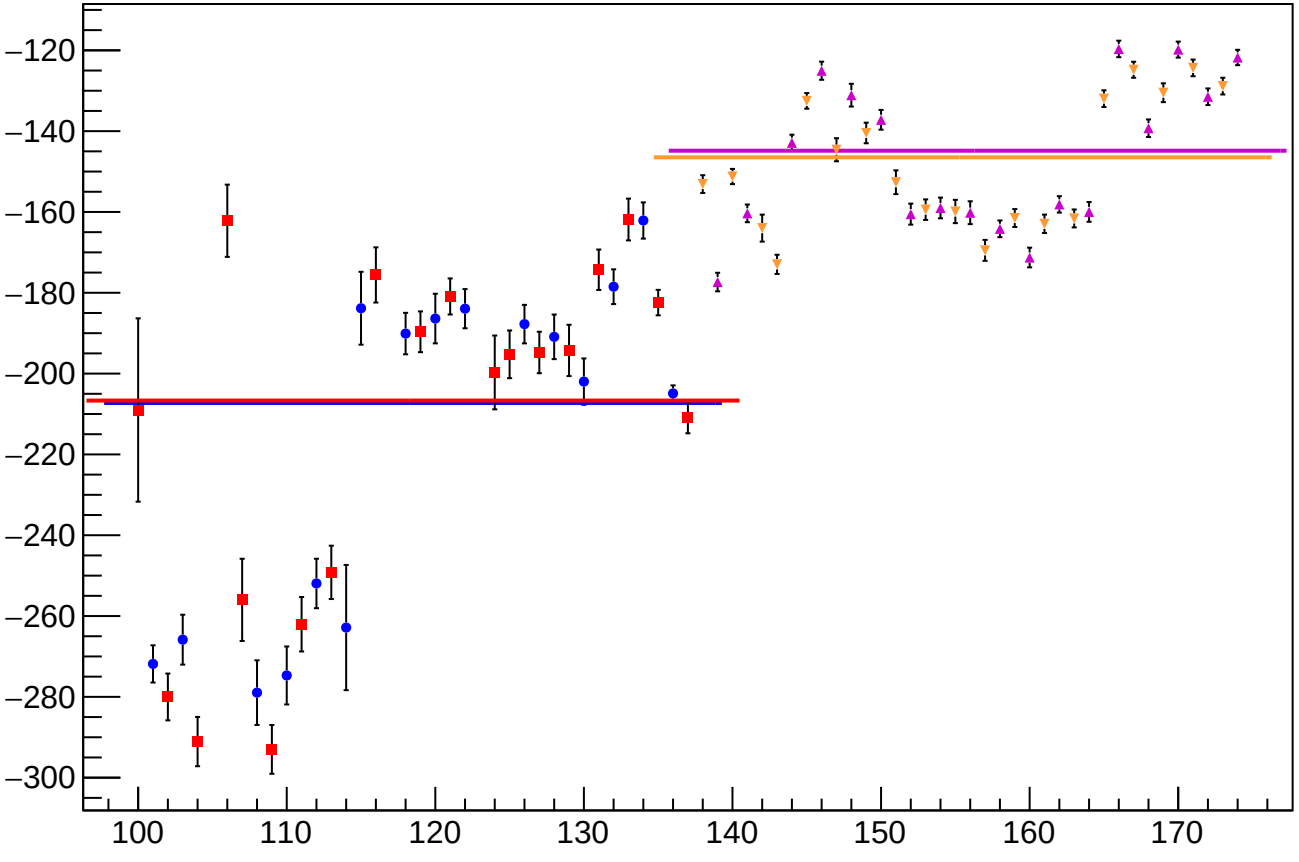
Left In: -30.787+/-0.390 χ^2/NDF:1303.6/17

+ sign -31.145+/-0.362 χ^2/NDF: 2491.2/34

All: -31.835+/-0.259 χ^2/NDF: 5786.9/71

- 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: -146.476+/-0.529 χ^2/NDF:904.8/18

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

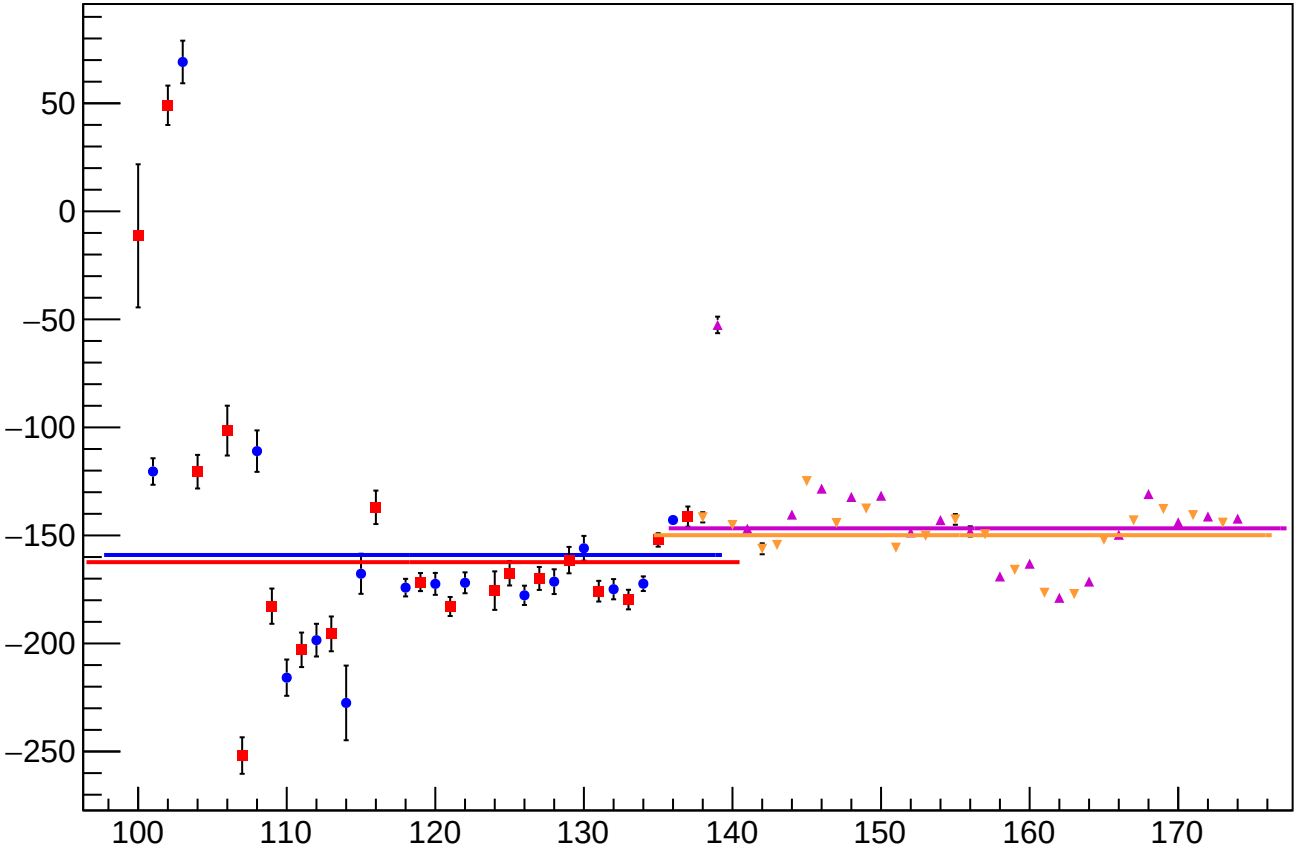
Left In: -144.840+/-0.528 χ^2/NDF:1251.5/17

+ sign -156.661+/-0.482 χ^2/NDF: 3868.8/34

All: -155.262+/-0.343 χ^2/NDF: 8102.8/71

- 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: -149.886+/-0.436 χ^2/NDF:982.9/18

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

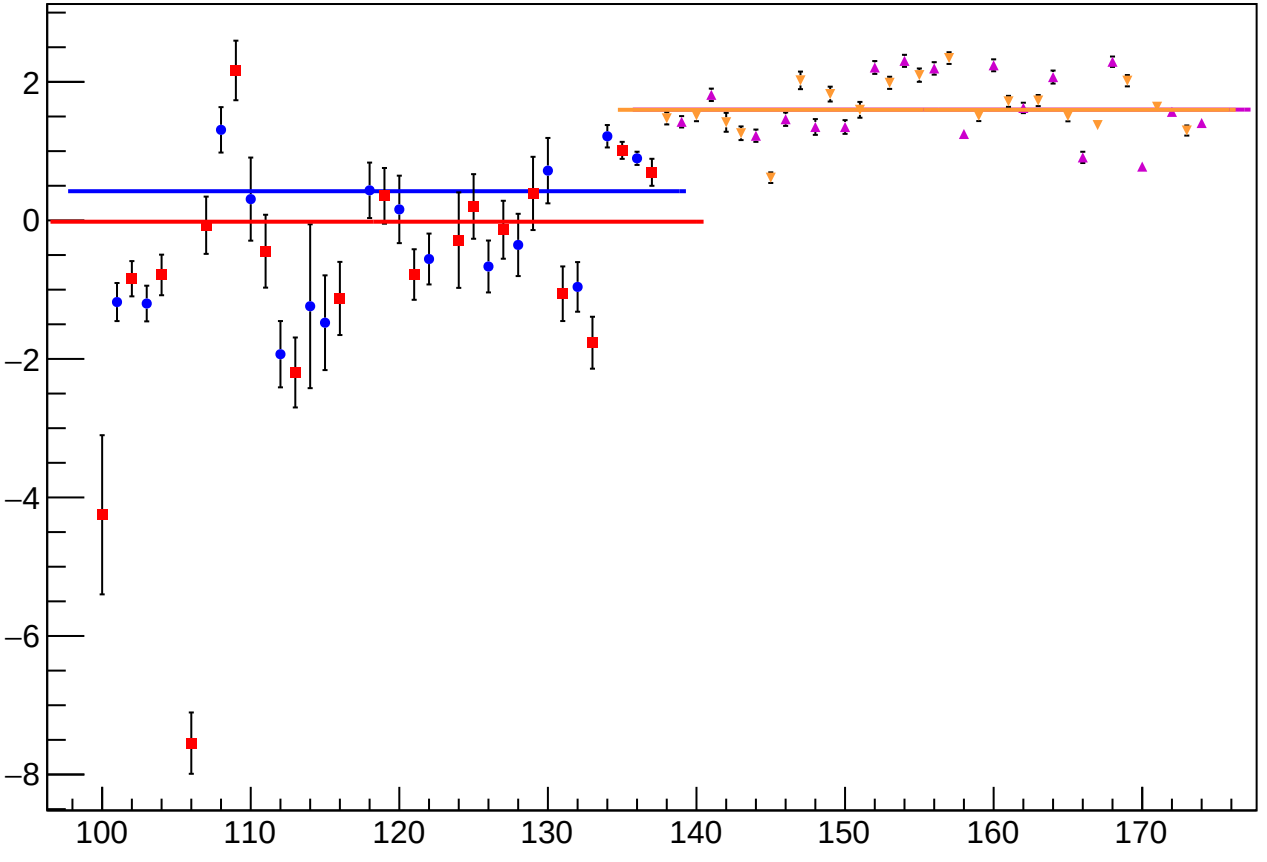
Left In: -146.715+/-0.441 χ^2/NDF:1710.2/17

+ sign -150.917+/-0.411 χ^2/NDF: 1848.3/34

All: -149.623+/-0.293 χ^2/NDF: 4577.0/71

- 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: 1.597+/-0.020 χ^2/NDF:380.1/18

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

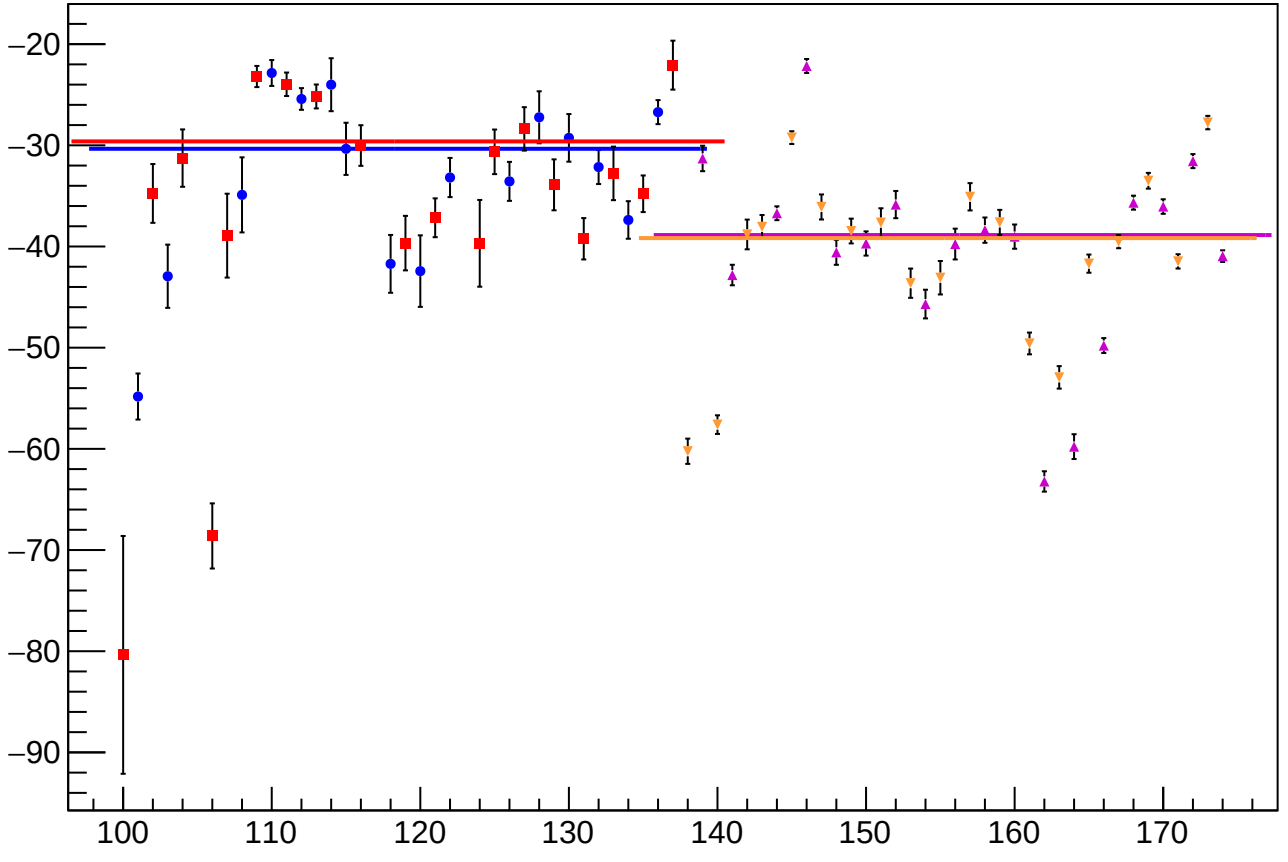
Left In: 1.599+/-0.019 χ^2/NDF:607.0/17

\+ sign 1.498+/-0.019 χ^2/NDF: 878.9/34

All: 1.494+/-0.013 χ^2/NDF: 2441.1/71

\- 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: -39.170+/-0.221 χ^2/NDF:1580.8/18

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

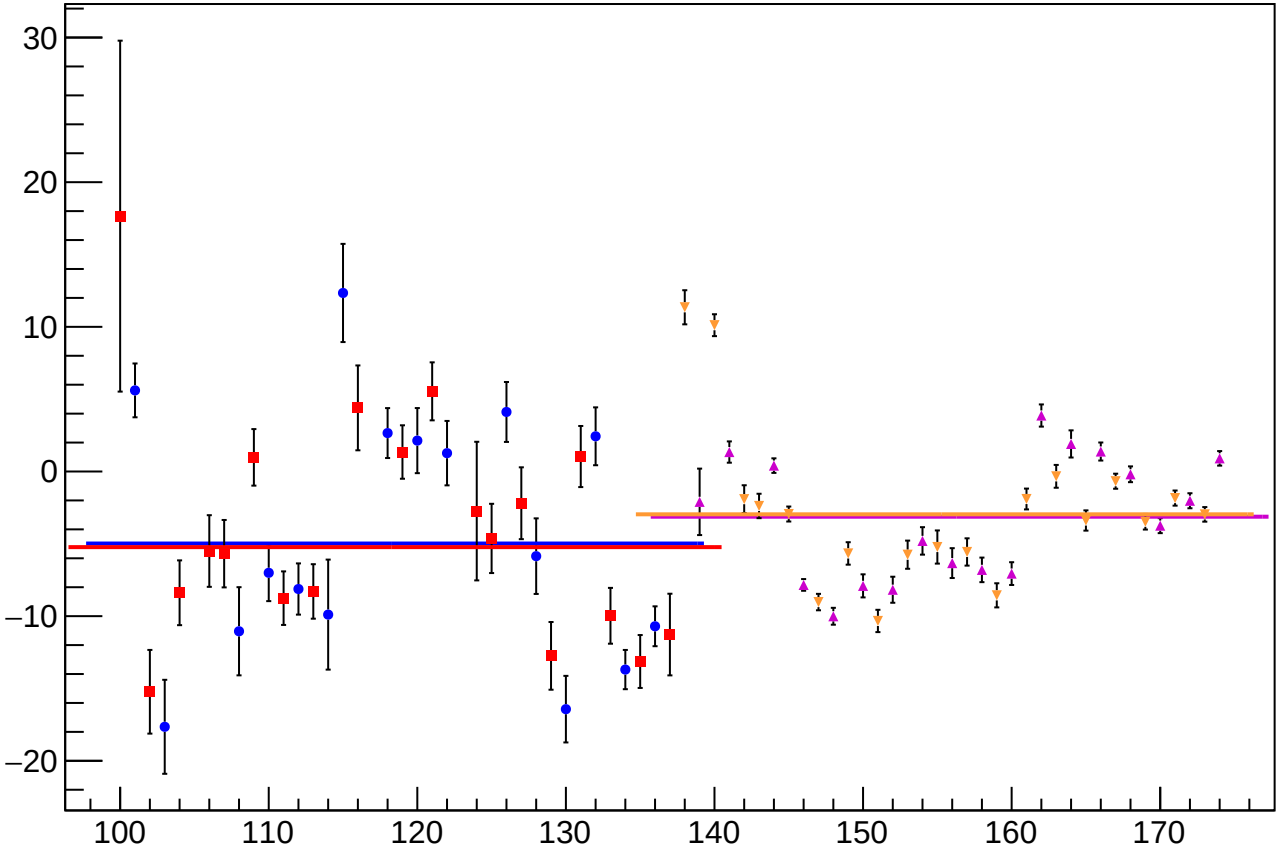
Left In: -38.869+/-0.210 χ^2/NDF:1932.5/17

+ sign -37.562+/-0.200 χ^2/NDF: 2125.6/34

All: -37.379+/-0.138 χ^2/NDF: 4735.6/71

- 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: -2.960+/-0.159 χ^2/NDF:768.4/18

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

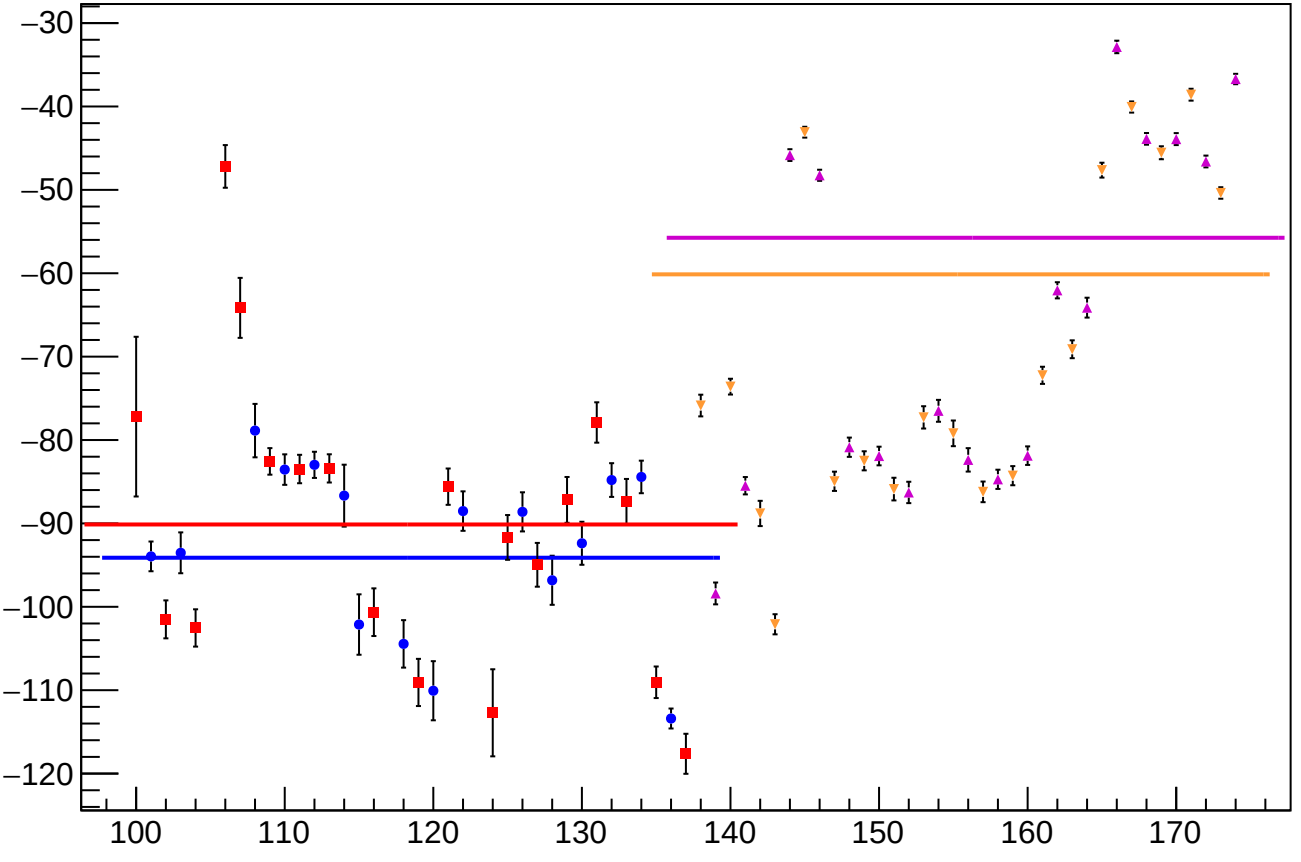
Left In: -3.125+/-0.152 χ^2/NDF:748.7/17

+ sign -3.138+/-0.151 χ^2/NDF: 1020.1/34

All: -3.216+/-0.105 χ^2/NDF: 1920.6/71

- 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: -60.131+/-0.220 χ^2/NDF:7777.4/18

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

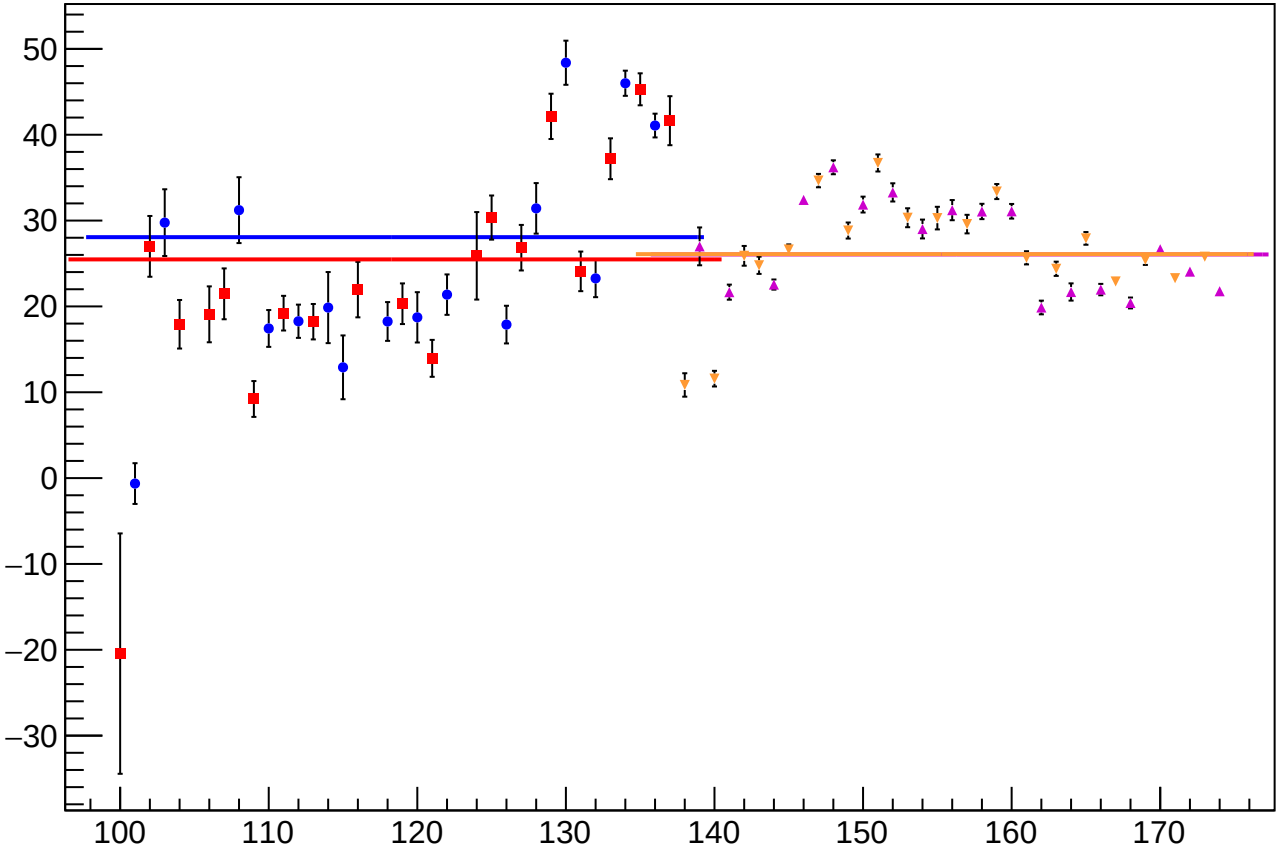
Left In: -55.745+/-0.210 χ^2/NDF:8257.2/17

+ sign -65.014+/-0.204 χ^2/NDF: 11673.4/34

All: -62.527+/-0.141 χ^2/NDF: 24495.5/71

- 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: 26.089+/-0.180 χ^2/NDF:794.8/18

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

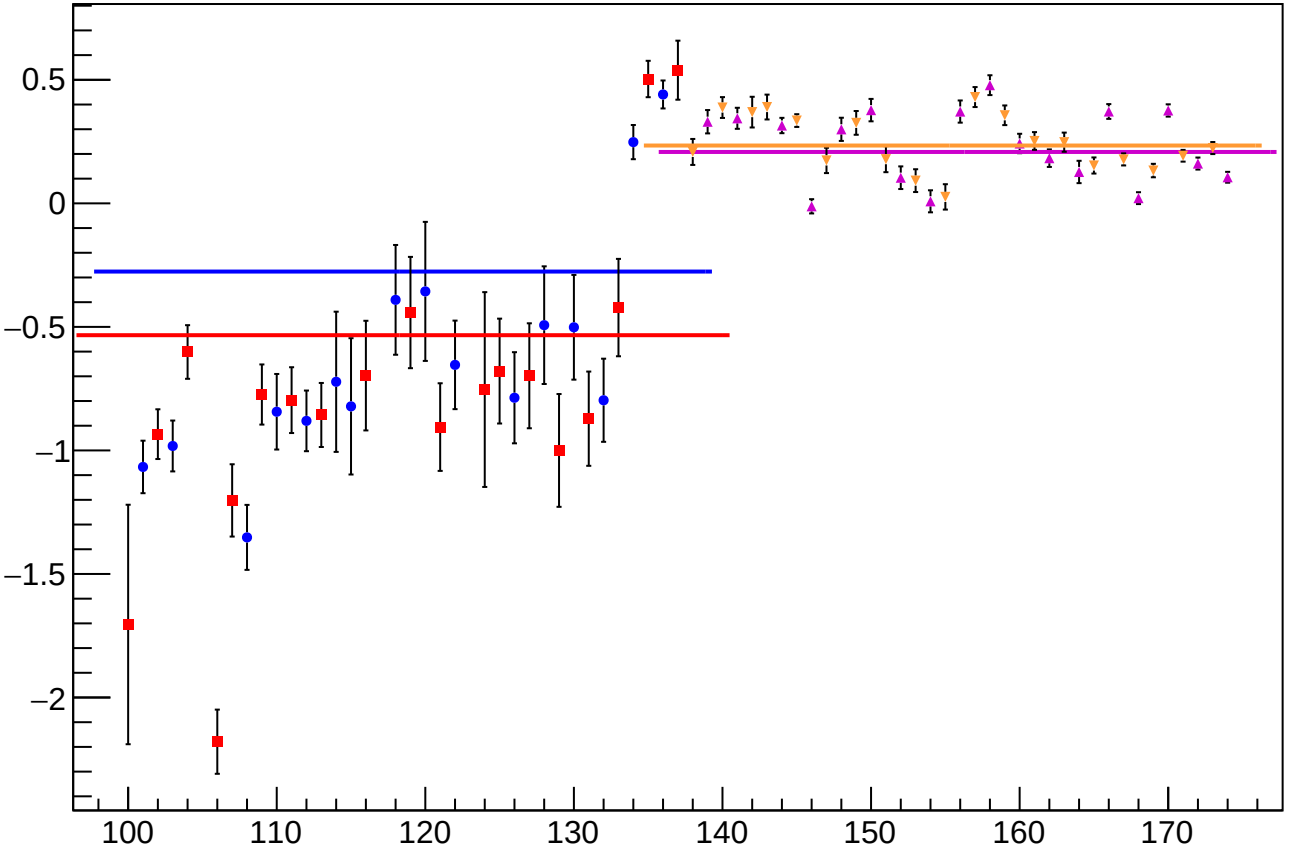
Left In: 26.053+/-0.174 χ^2/NDF:825.8/17

+ sign 26.270+/-0.172 χ^2/NDF: 1388.9/34

All: 26.134+/-0.120 χ^2/NDF: 2571.5/71

- 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: 0.234+/-0.008 χ^2/NDF:137.1/18

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

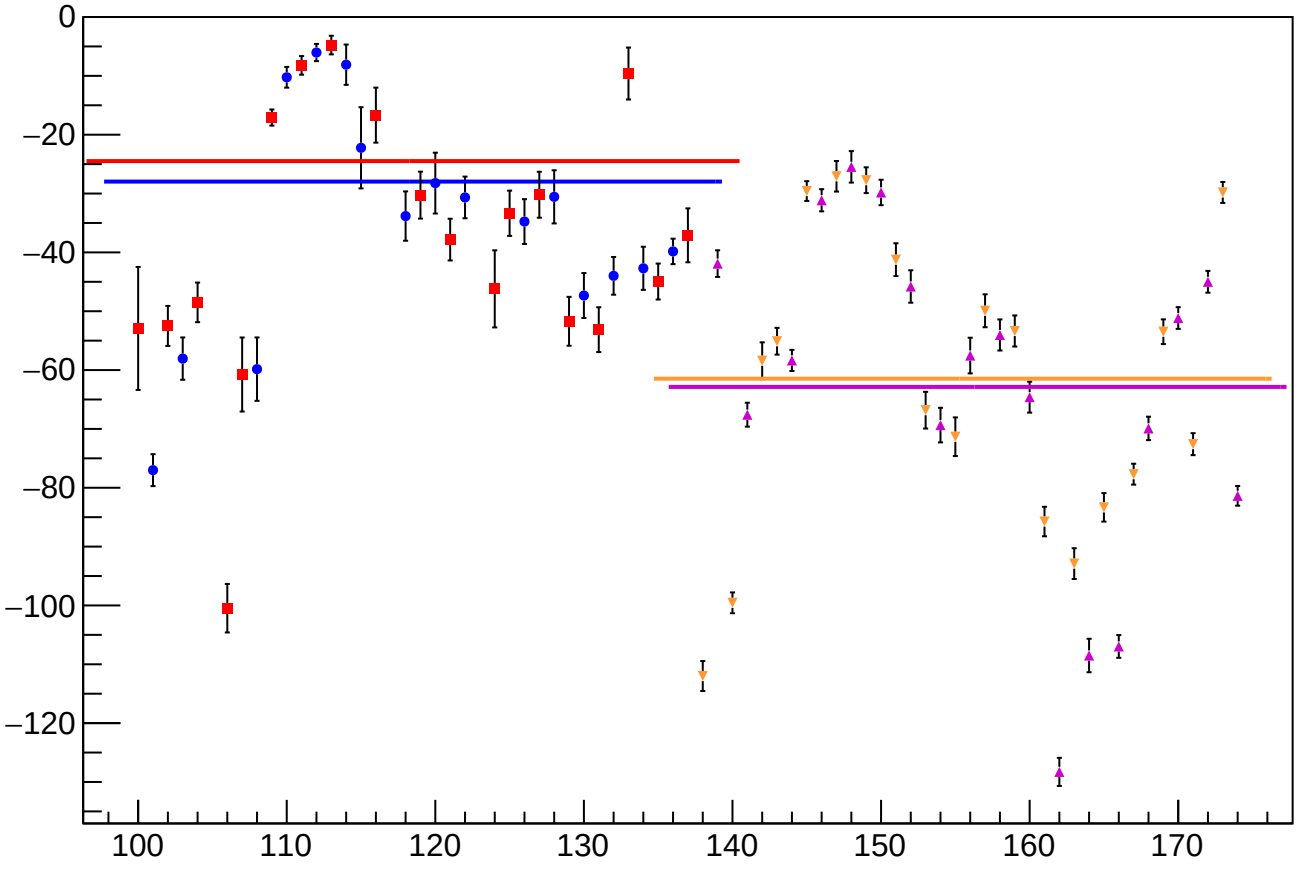
Left In: 0.208+/-0.008 χ^2/NDF:354.5/17

+ sign 0.201+/-0.008 χ^2/NDF: 851.7/34

All: 0.184+/-0.005 χ^2/NDF: 2207.7/71

- 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: -61.463+/-0.520 χ^2/NDF:2499.8/18

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

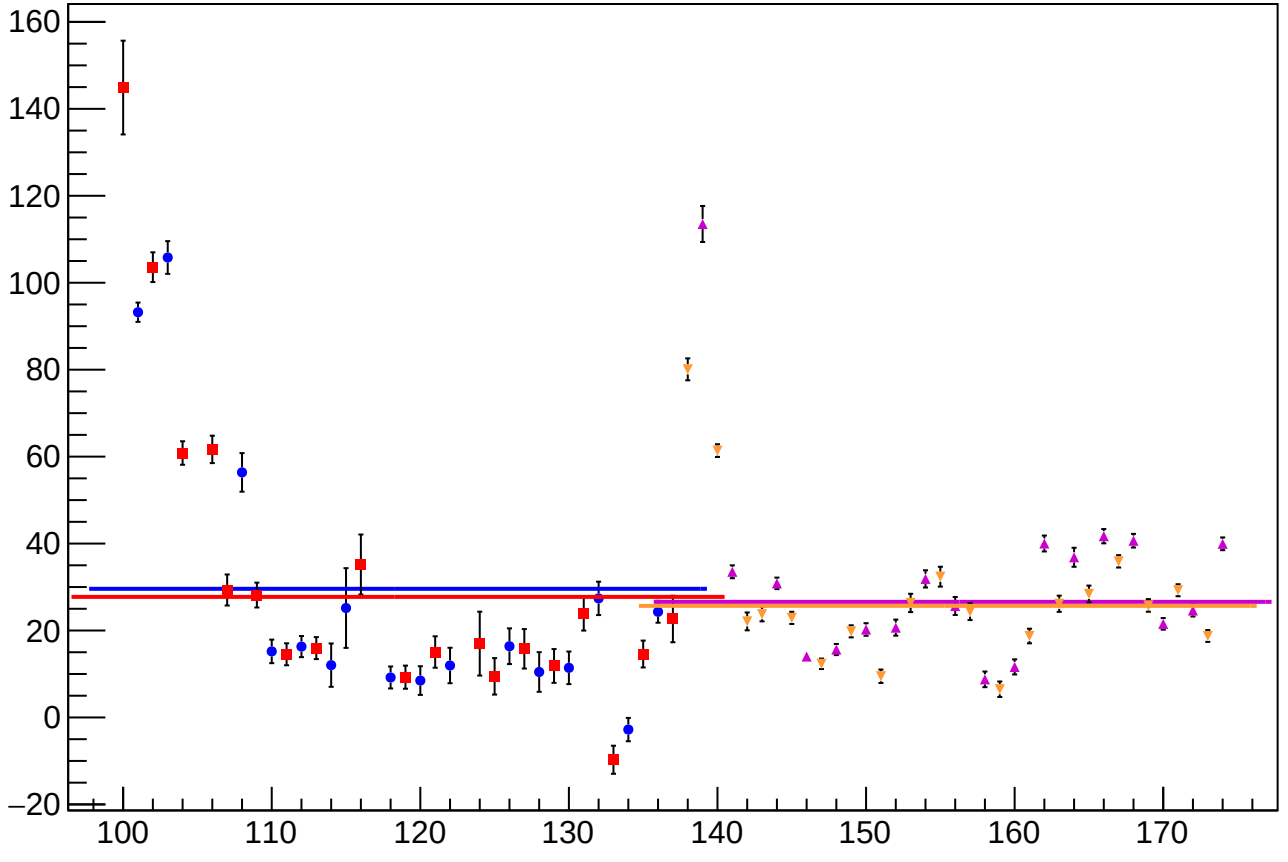
Left In: -62.864+/-0.514 χ^2/NDF:2665.2/17

+ sign -50.137+/-0.423 χ^2/NDF: 4797.3/34

All: -49.264+/-0.293 χ^2/NDF: 10554.5/71

- 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: 25.669+/-0.370 χ^2/NDF:1542.8/18

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

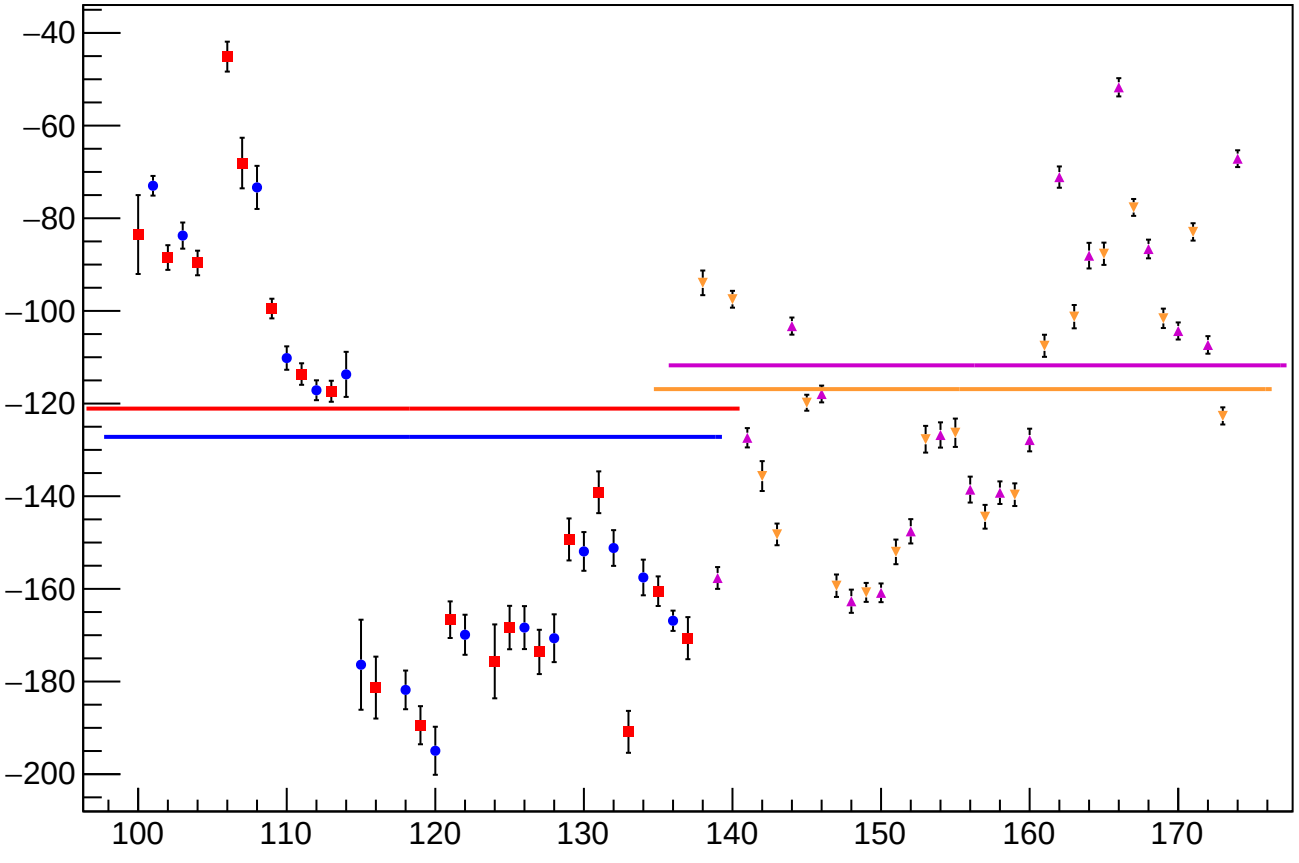
Left In: 26.595+/-0.374 χ^2/NDF:1213.9/17

+ sign 26.352+/-0.337 χ^2/NDF: 3228.0/34

All: 26.575+/-0.239 χ^2/NDF: 5629.6/71

- 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: -116.881+/-0.515 χ^2/NDF:2627.0/18

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

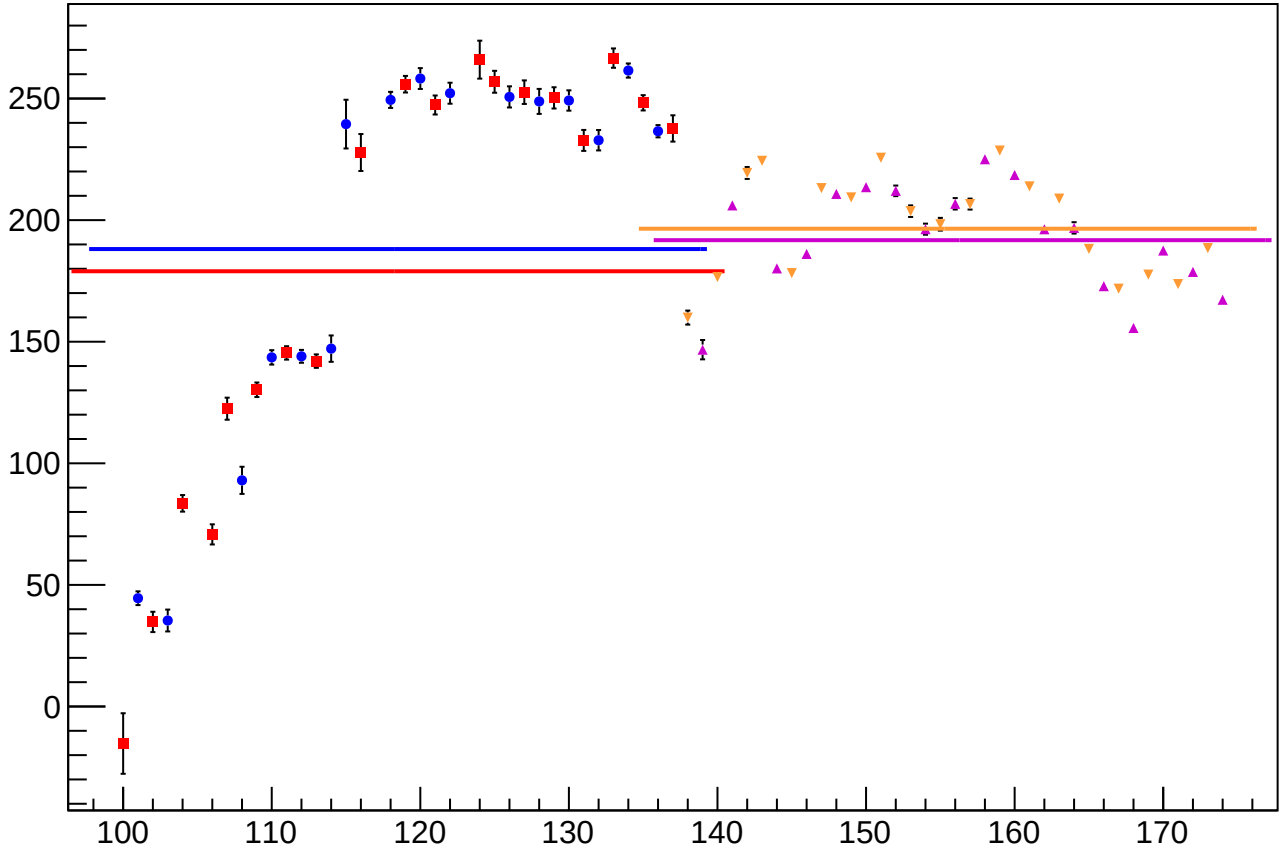
Left In: -111.750+/-0.509 χ^2/NDF:4048.2/17

+ sign -119.751+/-0.438 χ^2/NDF: 4916.6/34

All: -117.052+/-0.306 χ^2/NDF: 11534.1/71

- 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: 196.474+/-0.424 χ^2/NDF:2203.5/18

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

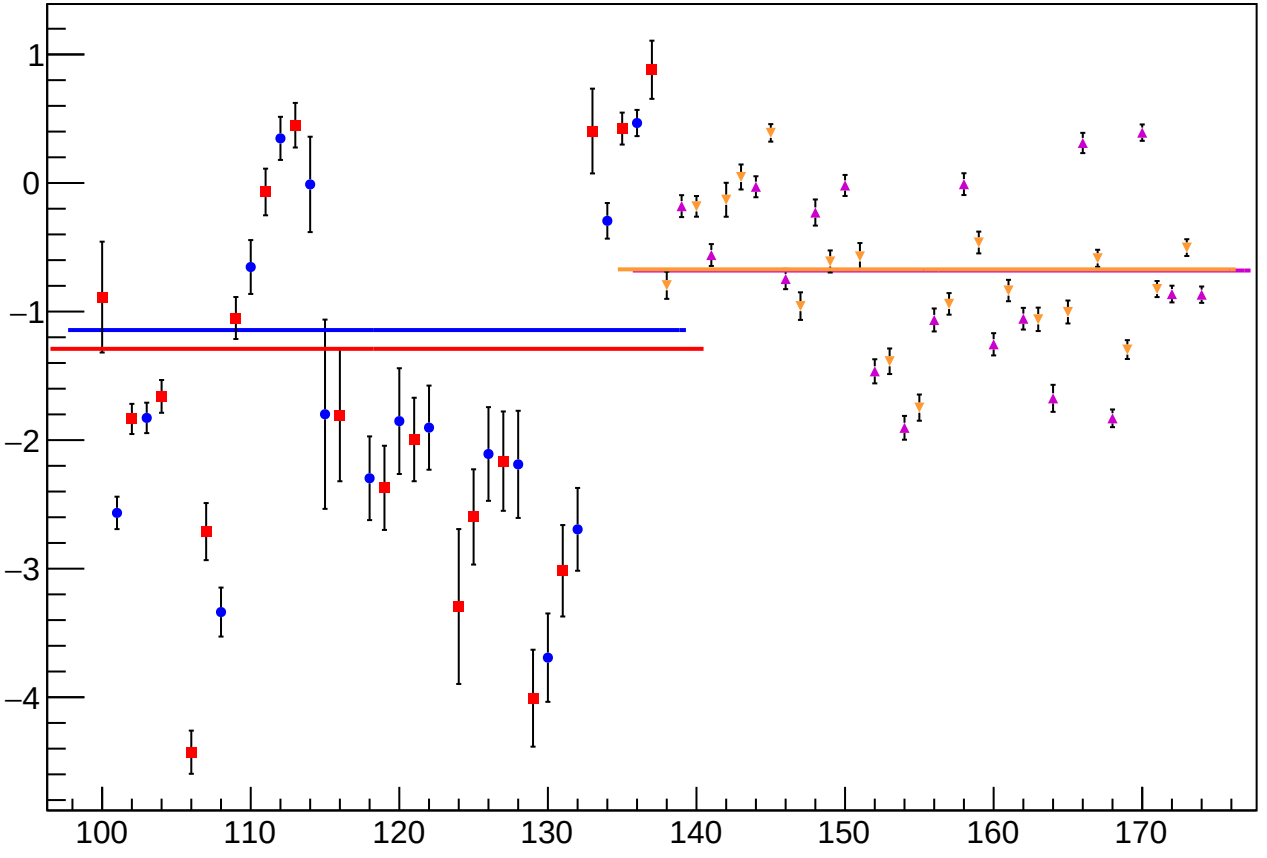
Left In: 191.756+/-0.426 χ^2/NDF:2042.8/17

+ sign 195.000+/-0.385 χ^2/NDF: 9390.6/34

All: 192.227+/-0.272 χ^2/NDF: 18368.3/71

- 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: -0.672+/-0.019 χ^2/NDF:663.3/18

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

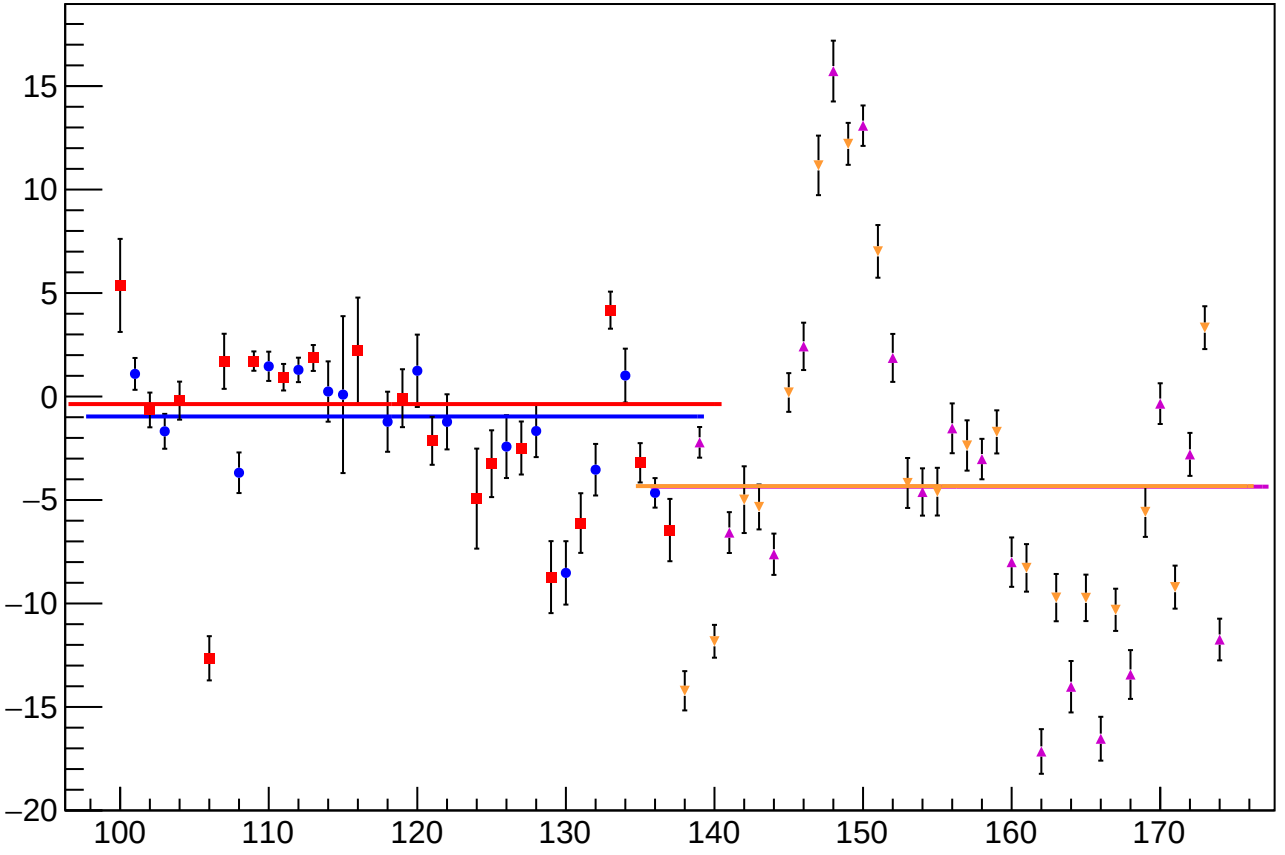
Left In: -0.681+/-0.019 χ^2/NDF:1402.7/17

+ sign -0.737+/-0.018 χ^2/NDF: 1534.1/34

All: -0.751+/-0.013 χ^2/NDF: 4078.5/71

- 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: -4.328+/-0.250 χ^2/NDF:862.6/18

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

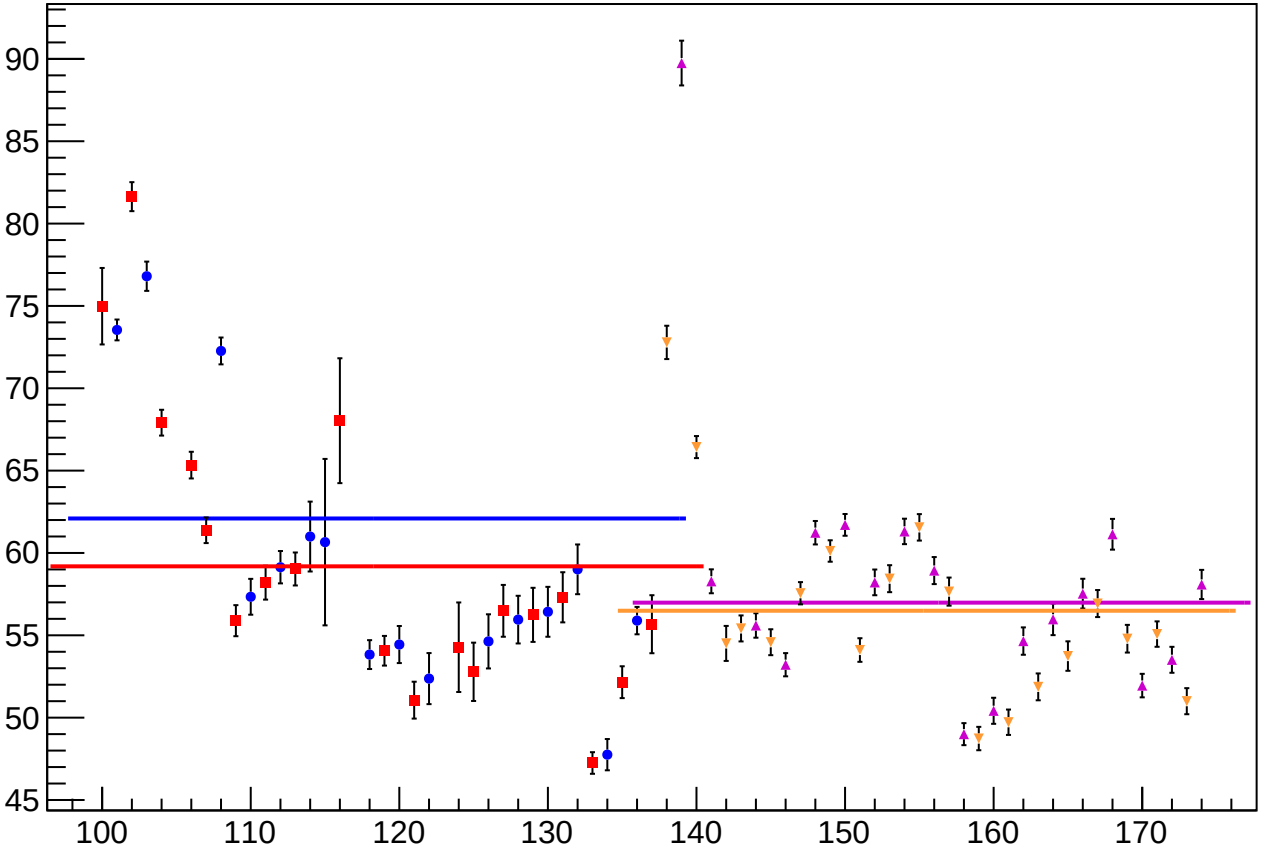
Left In: -4.355+/-0.249 χ^2/NDF:1075.9/17

+ sign -2.668+/-0.178 χ^2/NDF: 1055.2/34

All: -2.391+/-0.122 χ^2/NDF: 2558.3/71

- 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: 56.491+/-0.180 χ^2/NDF:876.6/18

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

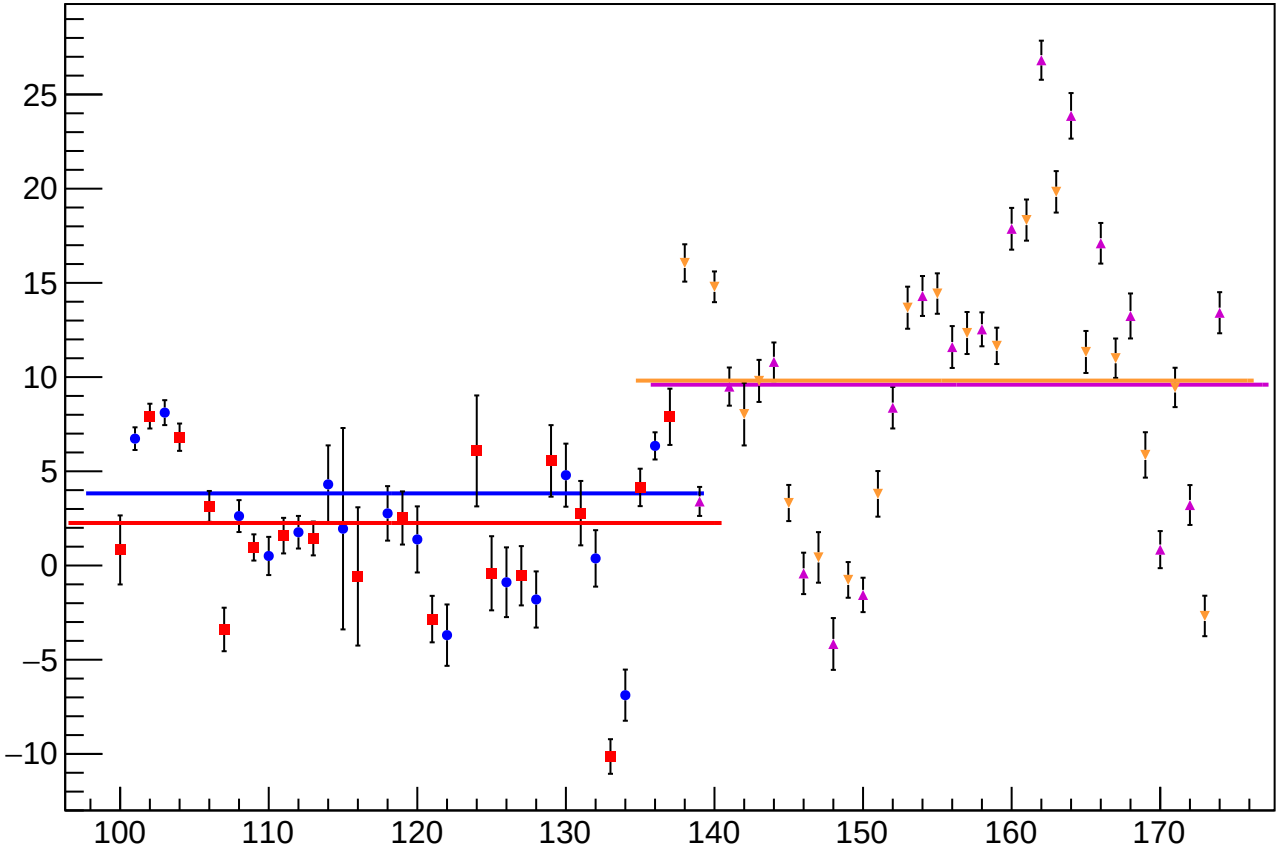
Left In: 56.983+/-0.186 χ^2/NDF:1054.0/17

+ sign 58.258+/-0.149 χ^2/NDF: 2483.0/34

All: 58.024+/-0.105 χ^2/NDF: 4995.8/71

- 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: 9.814+/-0.246 χ^2/NDF:654.5/18

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

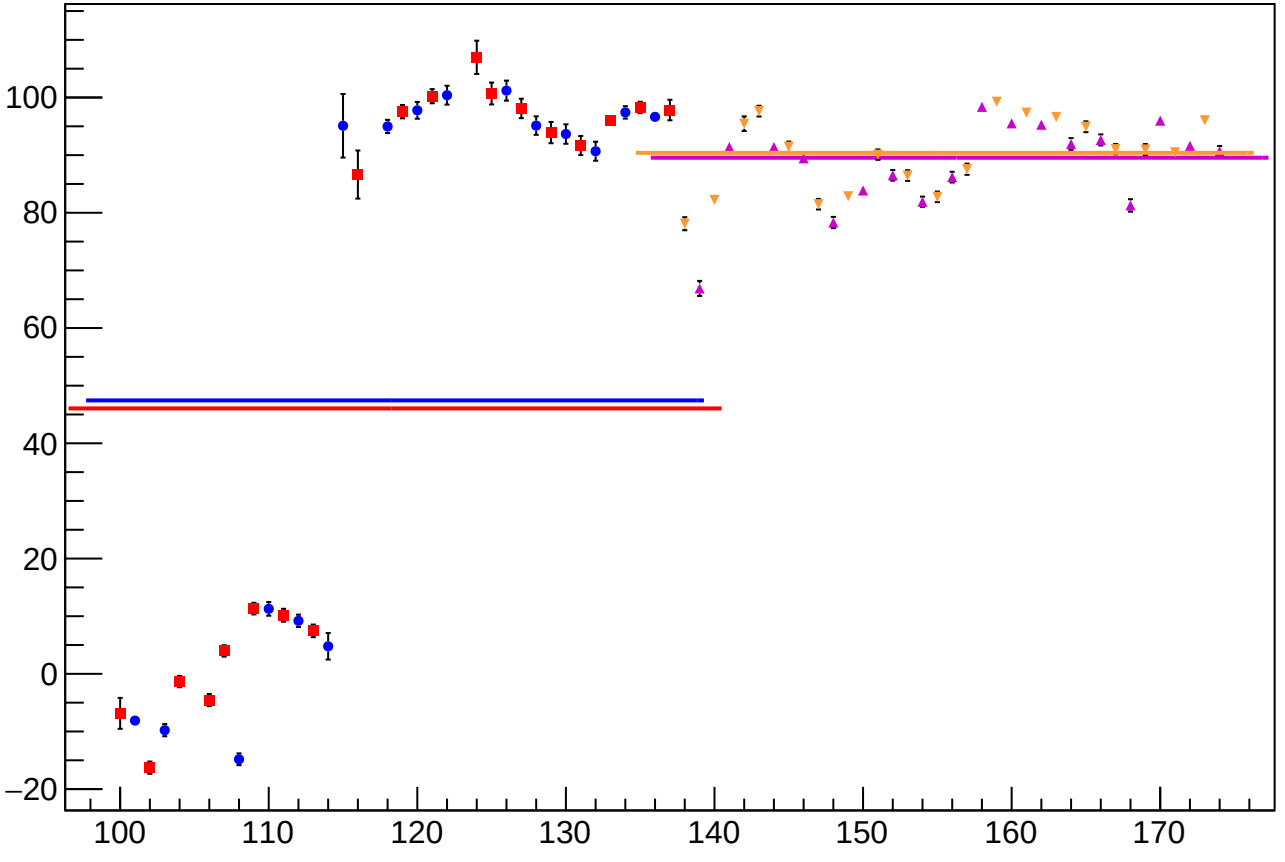
Left In: 9.598+/-0.245 χ^2/NDF:1089.4/17

+ sign 7.047+/-0.180 χ^2/NDF: 1136.9/34

All: 6.478+/-0.125 χ^2/NDF: 3063.7/71

- 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: 90.402+/-0.205 χ^2/NDF:917.4/18

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

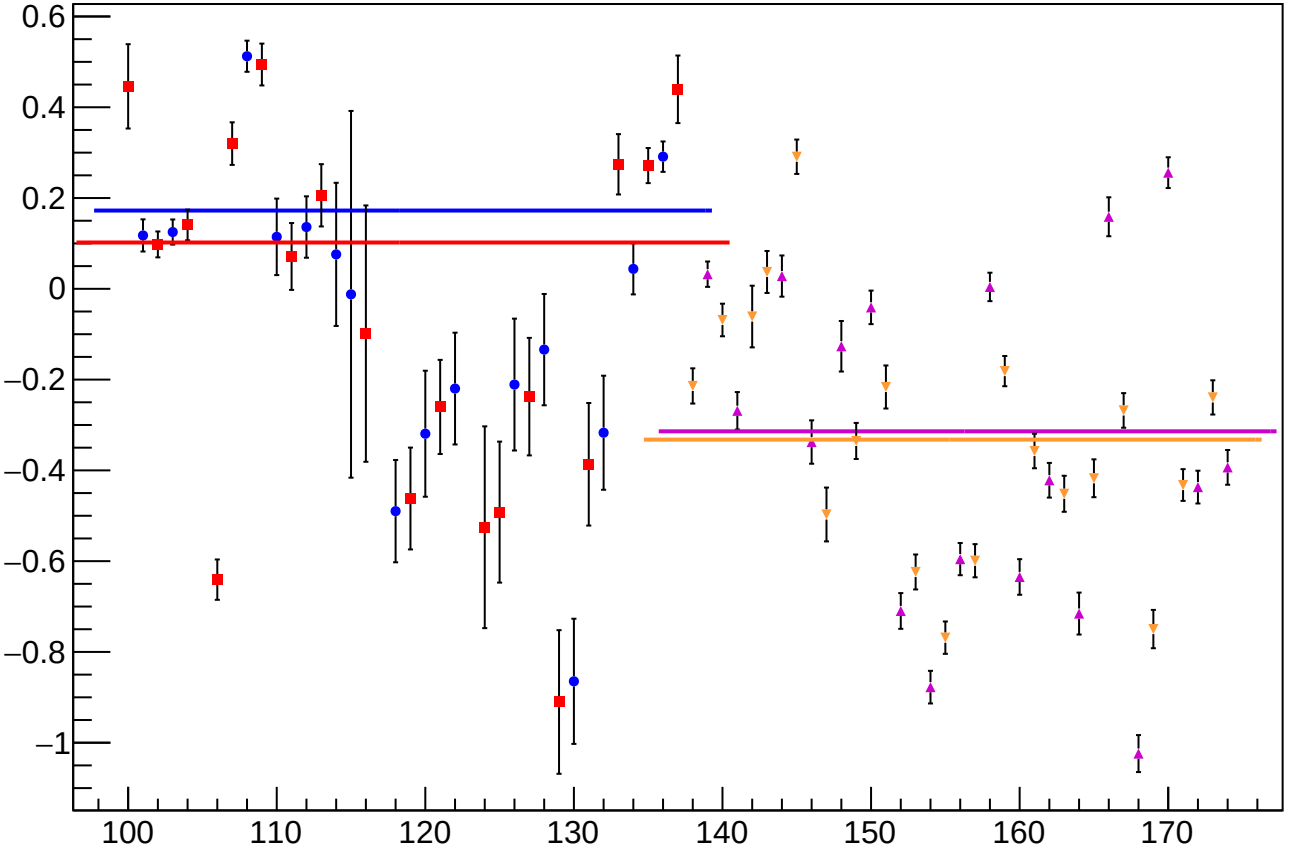
Left In: 89.550+/-0.210 χ^2/NDF:998.2/17

\+ sign 77.191+/-0.171 χ^2/NDF: 41270.5/34

All: 75.700+/-0.120 χ^2/NDF: 86474.8/71

\- 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: -0.332+/-0.009 χ^2/NDF:836.9/18

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

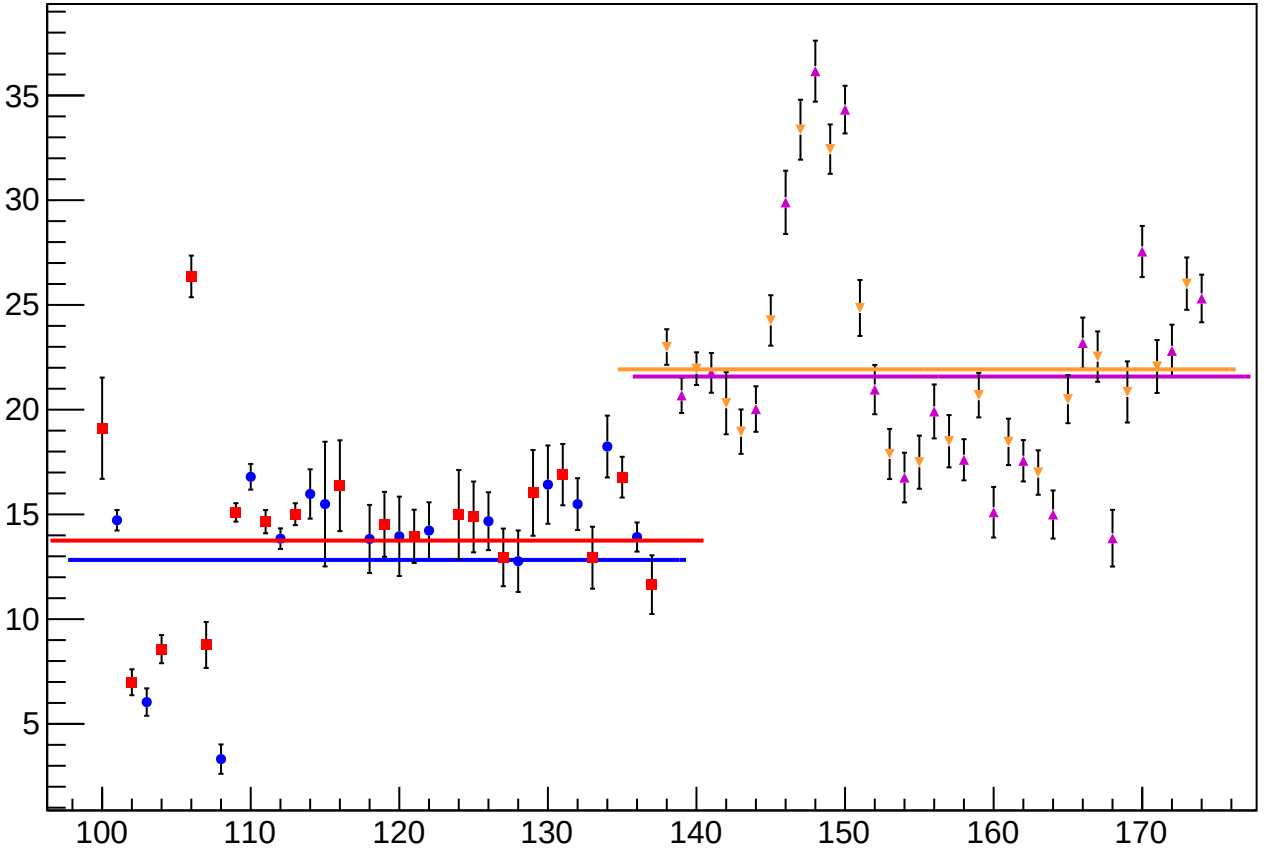
Left In: -0.314+/-0.009 χ^2/NDF:1664.5/17

+ sign -0.184+/-0.008 χ^2/NDF: 1999.3/34

All: -0.185+/-0.005 χ^2/NDF: 4883.2/71

- 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: 21.926+/-0.262 χ^2/NDF:239.6/18

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

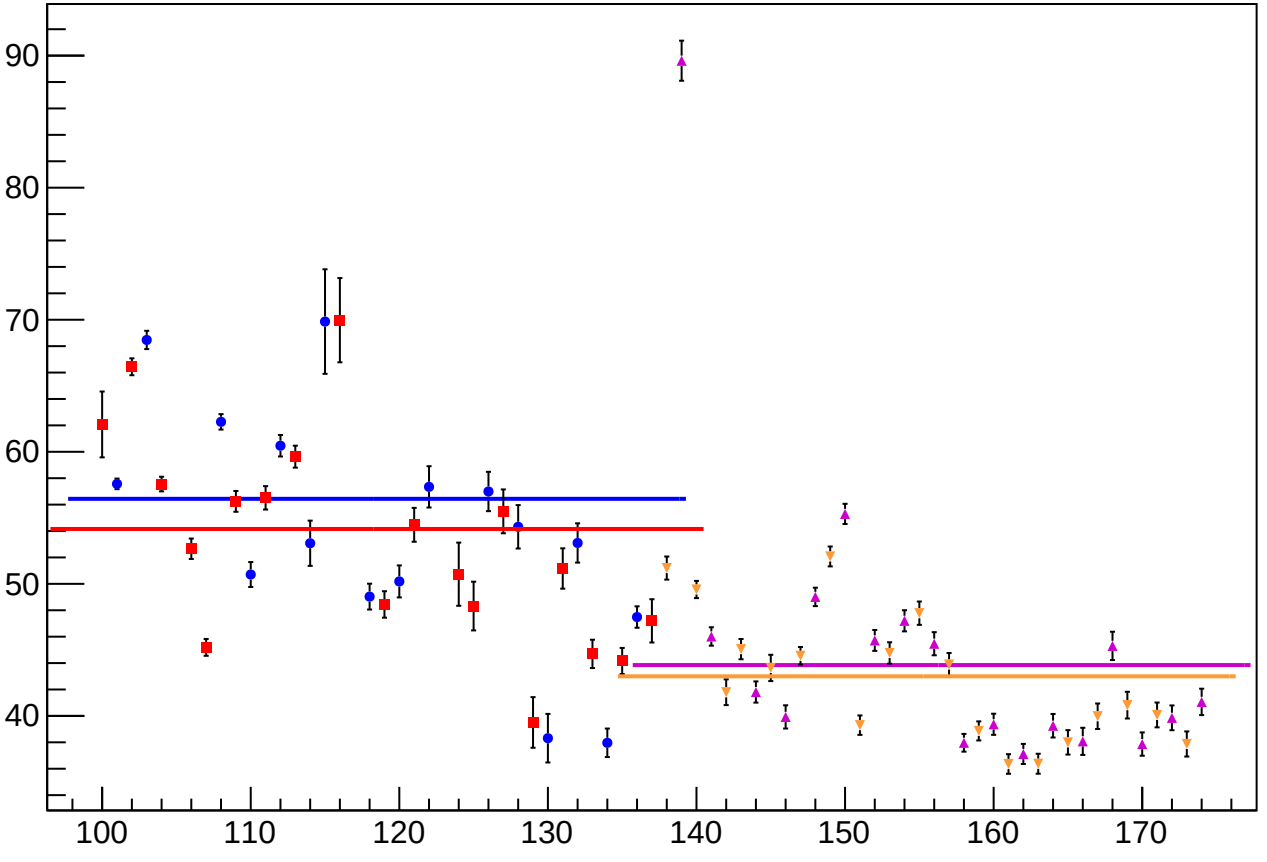
Left In: 21.581+/-0.268 χ^2/NDF:442.1/17

+ sign 16.470+/-0.166 χ^2/NDF: 1350.9/34

All: 16.548+/-0.116 χ^2/NDF: 2737.3/71

- 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: 42.998+/-0.188 χ^2/NDF:681.4/18

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

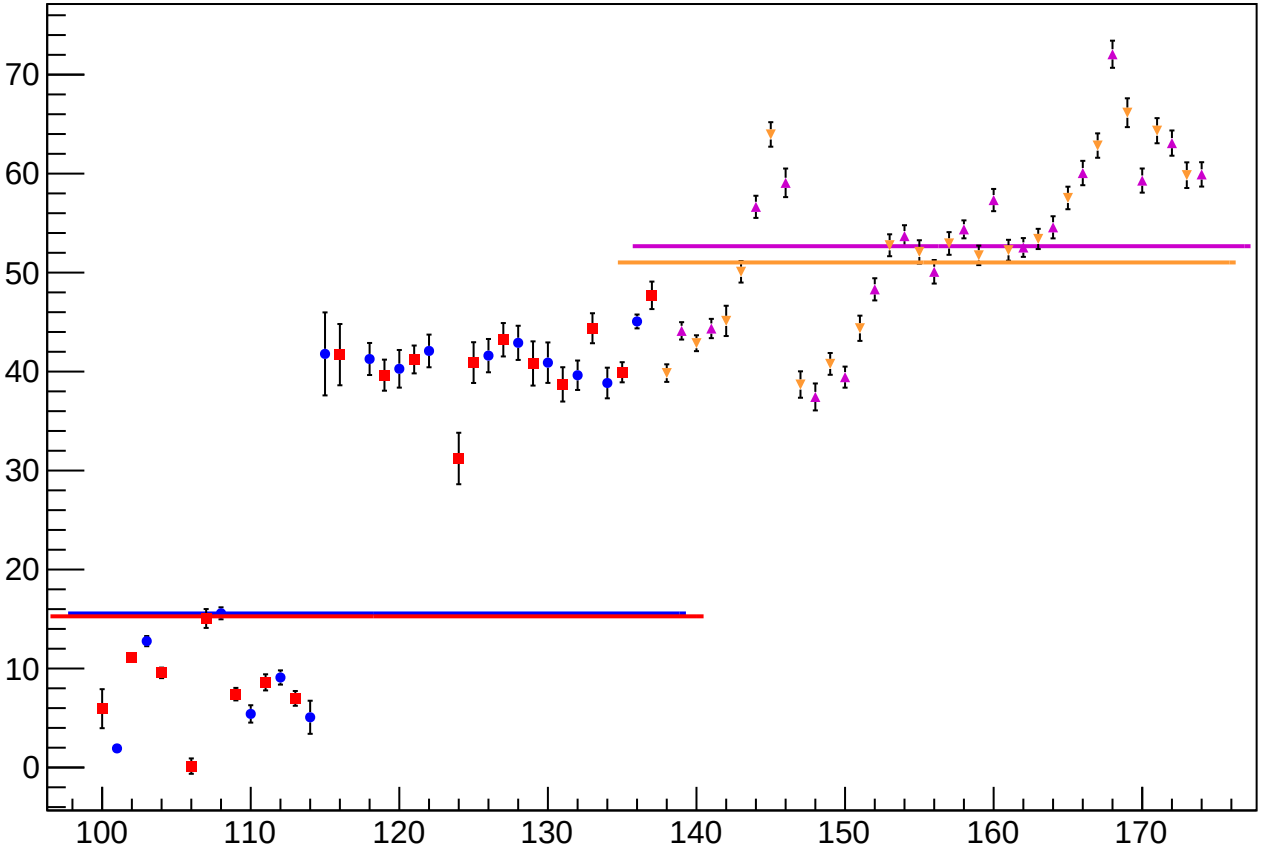
Left In: 43.850+/-0.198 χ^2/NDF:1569.3/17

+ sign 48.612+/-0.143 χ^2/NDF: 3907.0/34

All: 48.487+/-0.103 χ^2/NDF: 7671.2/71

- 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: 51.024+/-0.258 χ^2/NDF:987.9/18

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

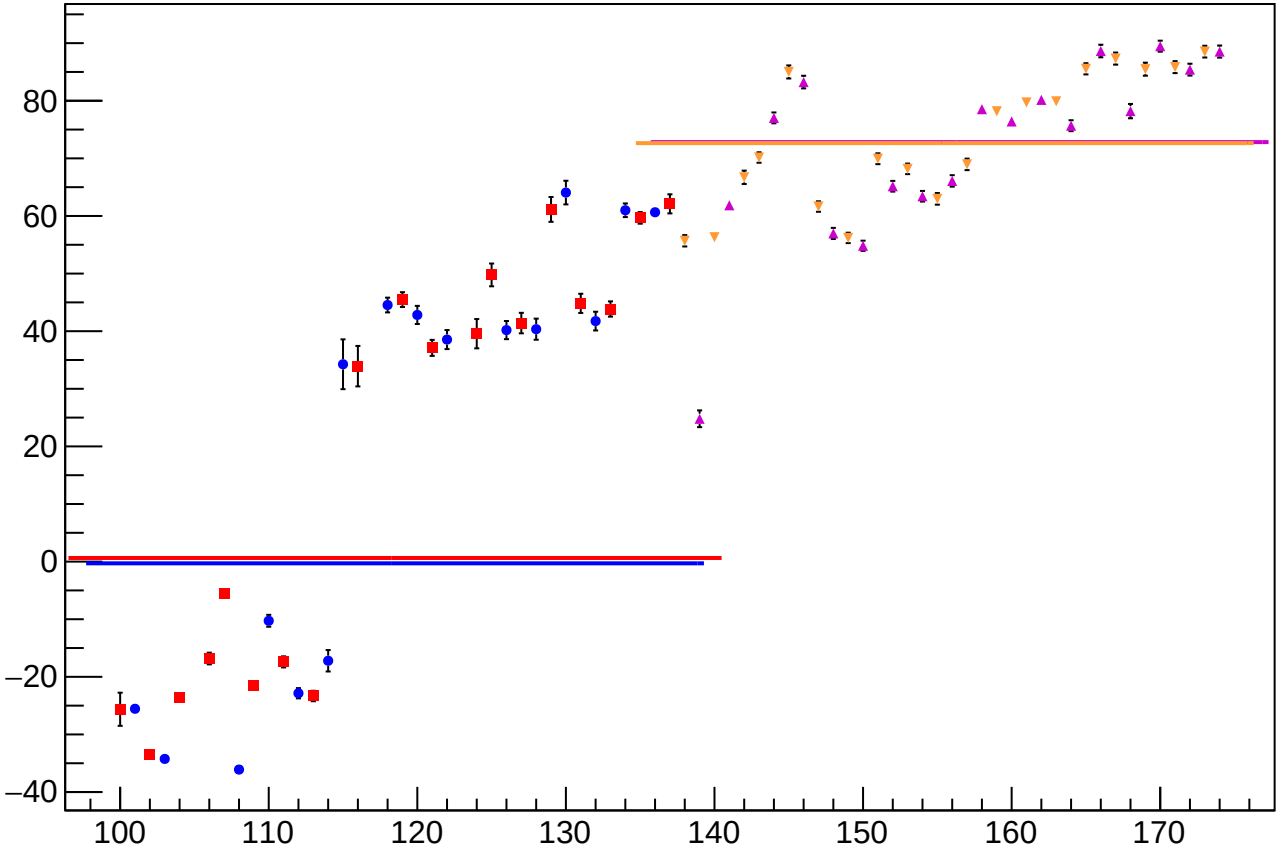
Left In: 52.667+/-0.263 χ^2/NDF:891.4/17

+ sign 30.028+/-0.165 χ^2/NDF: 17367.6/34

All: 30.301+/-0.118 χ^2/NDF: 34063.3/71

- 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: 72.646+/-0.215 χ^2/NDF:2612.0/18

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

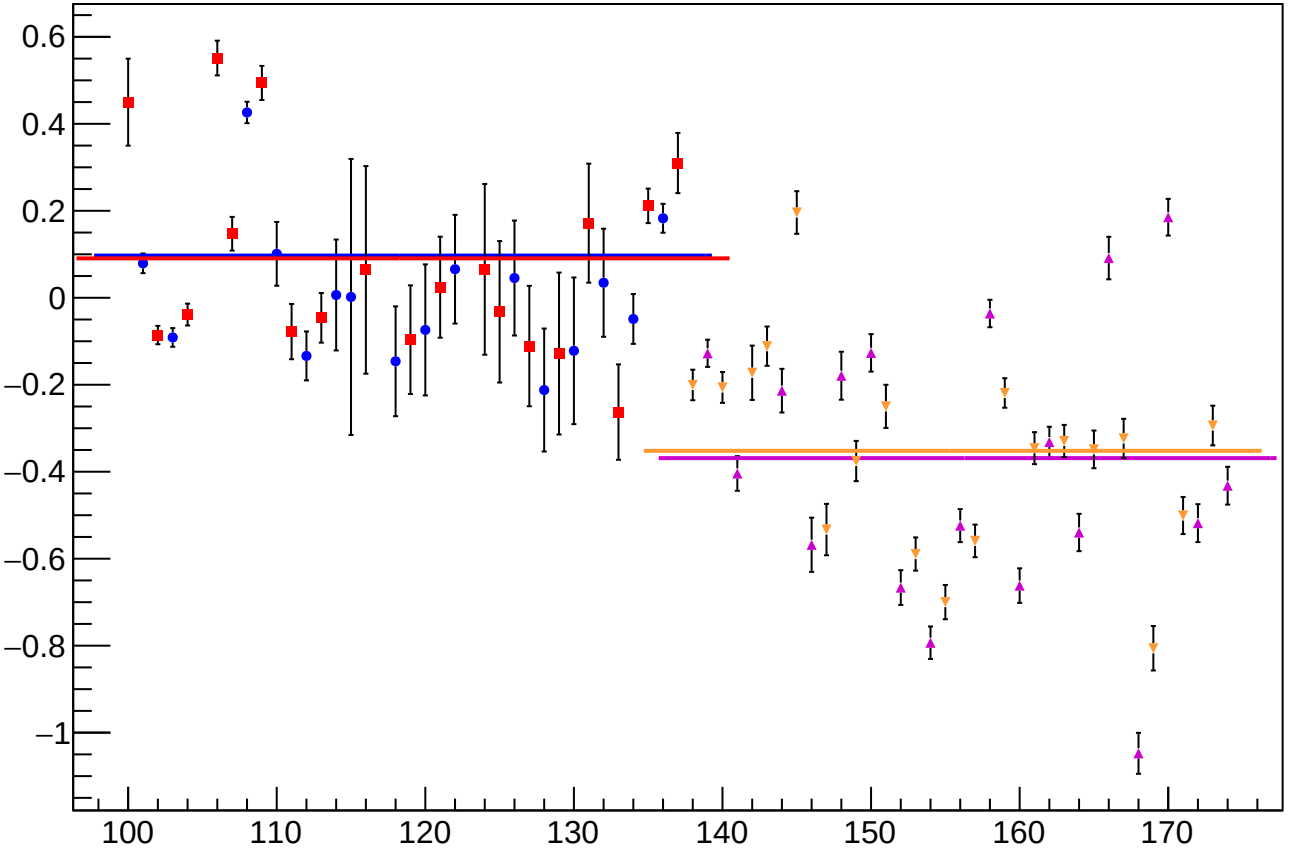
Left In: 72.822+/-0.223 χ^2/NDF:3360.0/17

+ sign 43.227+/-0.166 χ^2/NDF: 70104.1/34

All: 42.959+/-0.119 χ^2/NDF: 133174.4/71

- 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: -0.352+/-0.010 χ^2/NDF:467.0/18

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

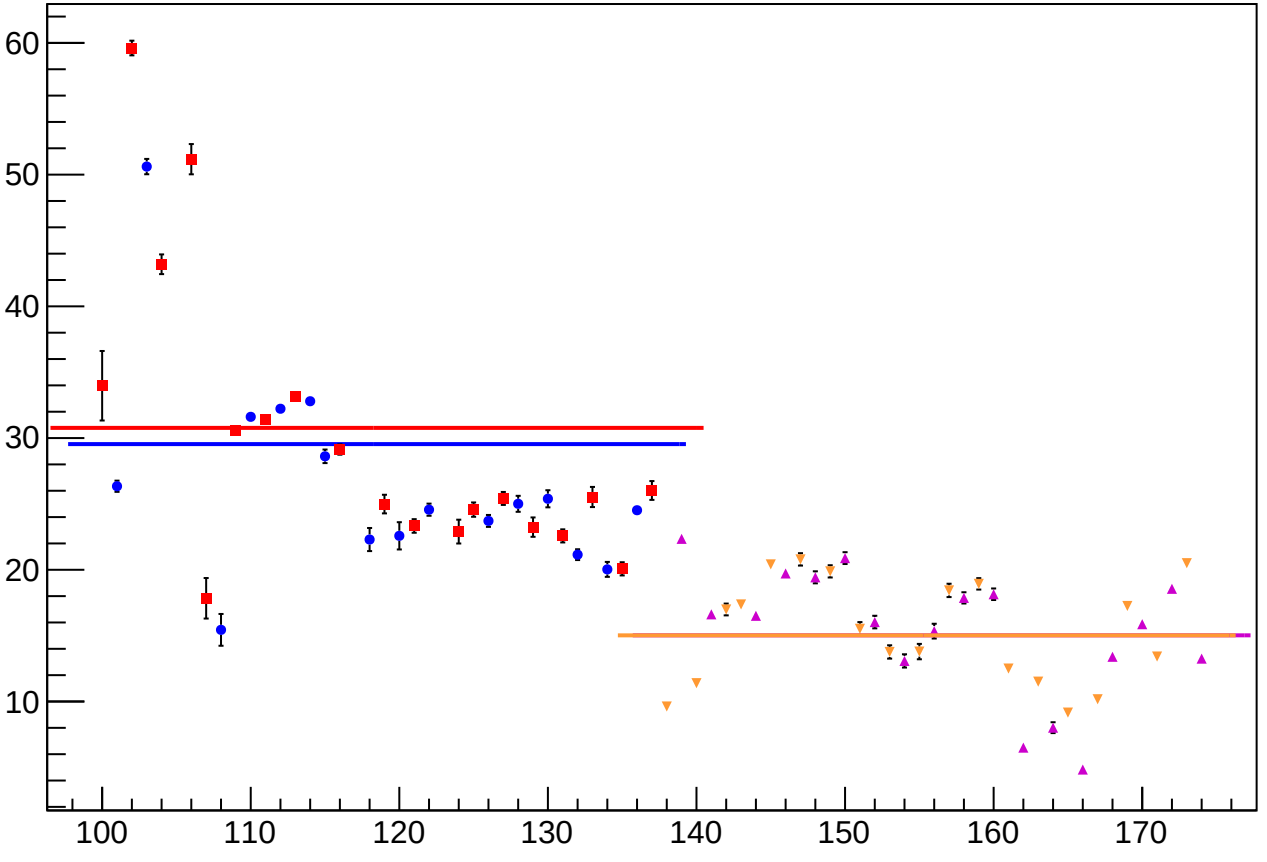
Left In: -0.369+/-0.010 χ^2/NDF:990.2/17

+ sign -0.161+/-0.007 χ^2/NDF: 1686.8/34

All: -0.169+/-0.005 χ^2/NDF: 4023.3/71

- 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: 15.022+/-0.085 χ^2/NDF:2358.0/18

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

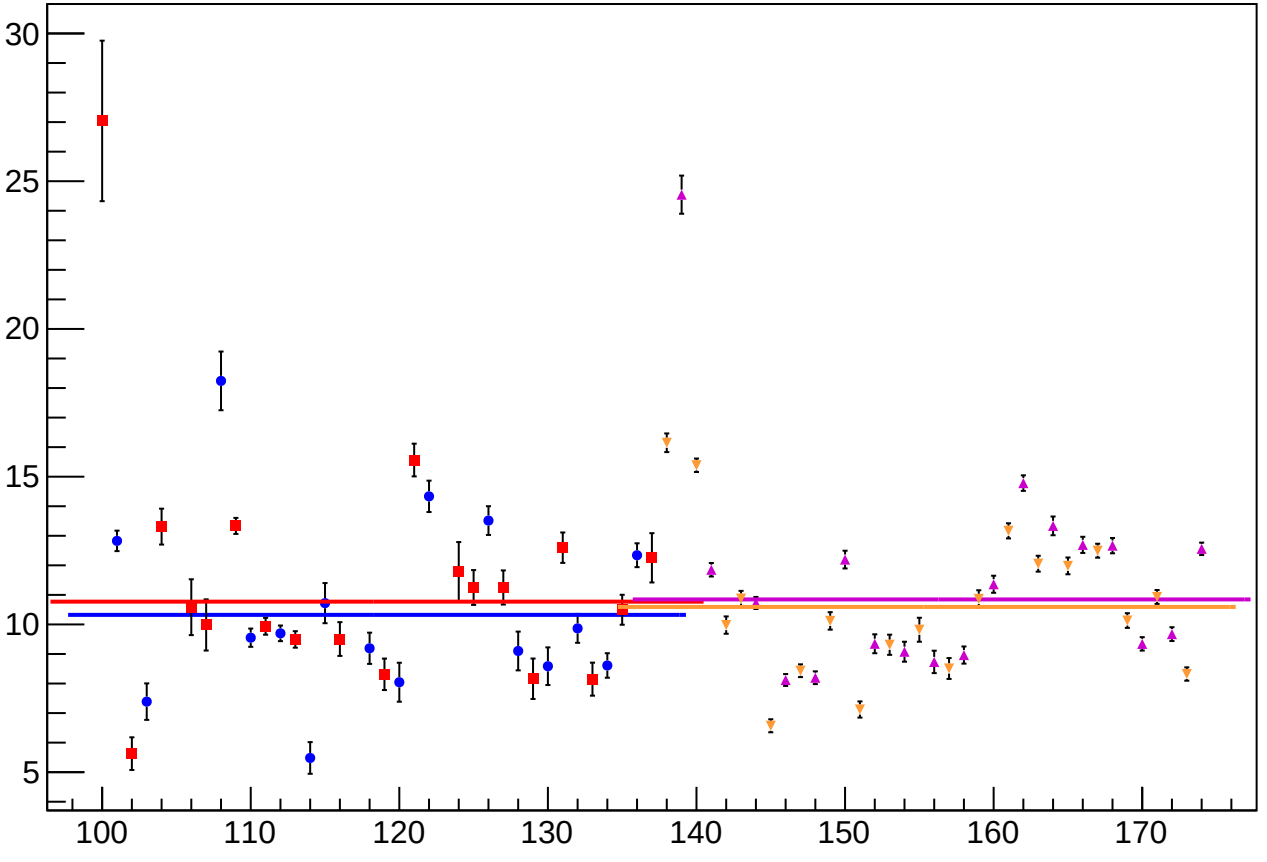
Left In: 15.024+/-0.084 χ^2/NDF:3148.2/17

+ sign 21.693+/-0.062 χ^2/NDF: 19206.9/34

All: 22.532+/-0.042 χ^2/NDF: 46200.2/71

- 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: 10.592+/-0.061 χ^2/NDF:1730.1/18

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

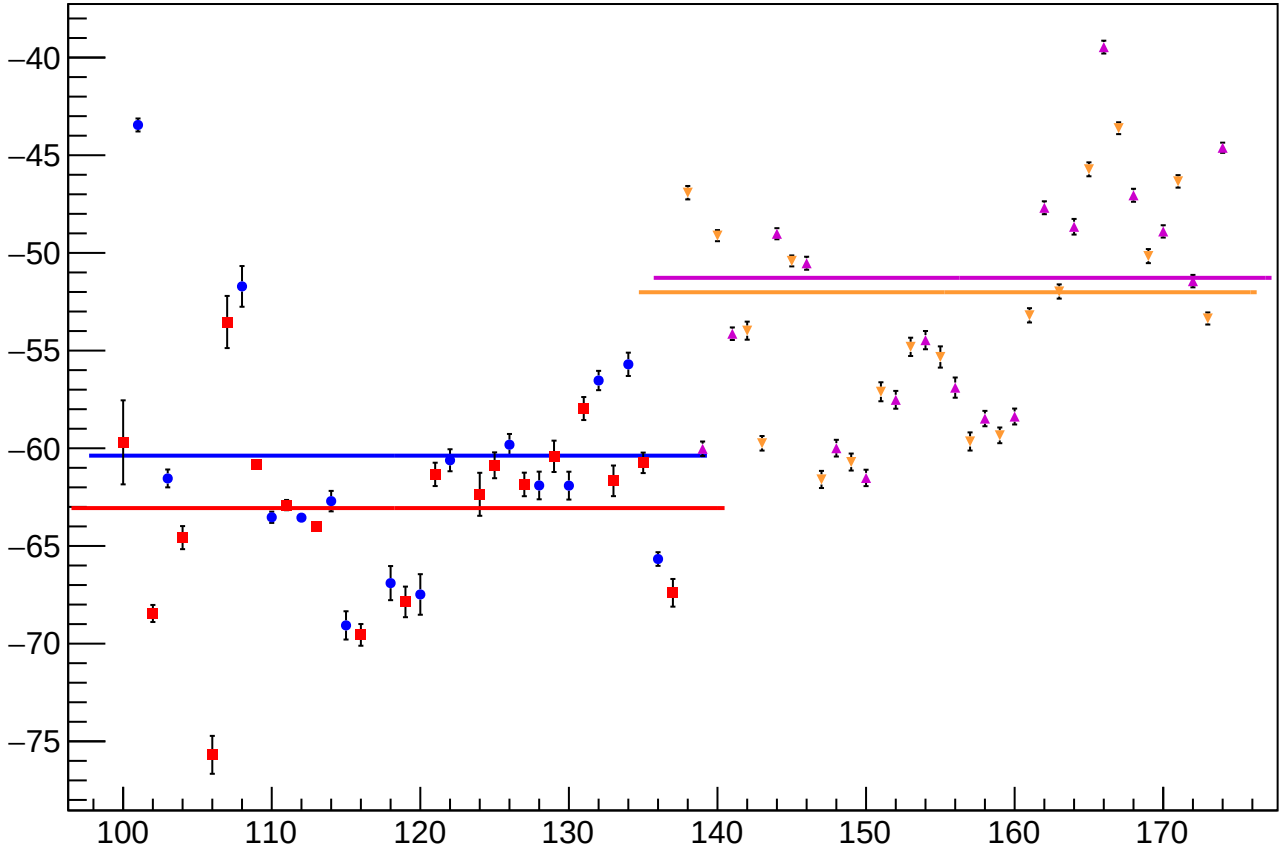
Left In: 10.846+/-0.061 χ^2/NDF:1467.2/17

+ sign 10.533+/-0.054 χ^2/NDF: 2137.1/34

All: 10.680+/-0.038 χ^2/NDF: 4035.6/71

- 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: -52.013+/-0.084 χ^2/NDF:3910.9/18

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

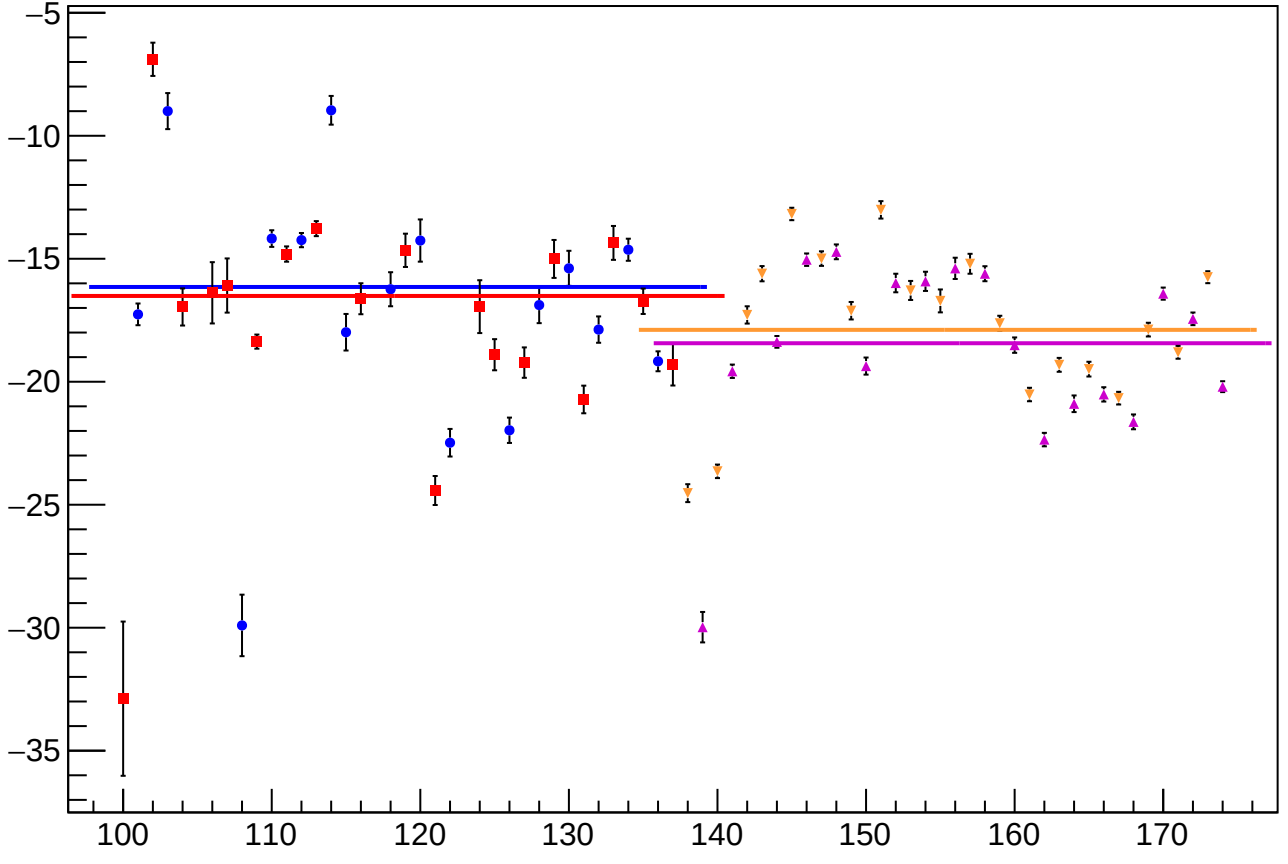
Left In: -51.276+/-0.084 χ^2/NDF:5022.7/17

+ sign -55.007+/-0.068 χ^2/NDF: 11025.8/34

All: -55.376+/-0.047 χ^2/NDF: 24465.0/71

- 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: -17.890+/-0.070 χ^2/NDF:1884.3/18

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

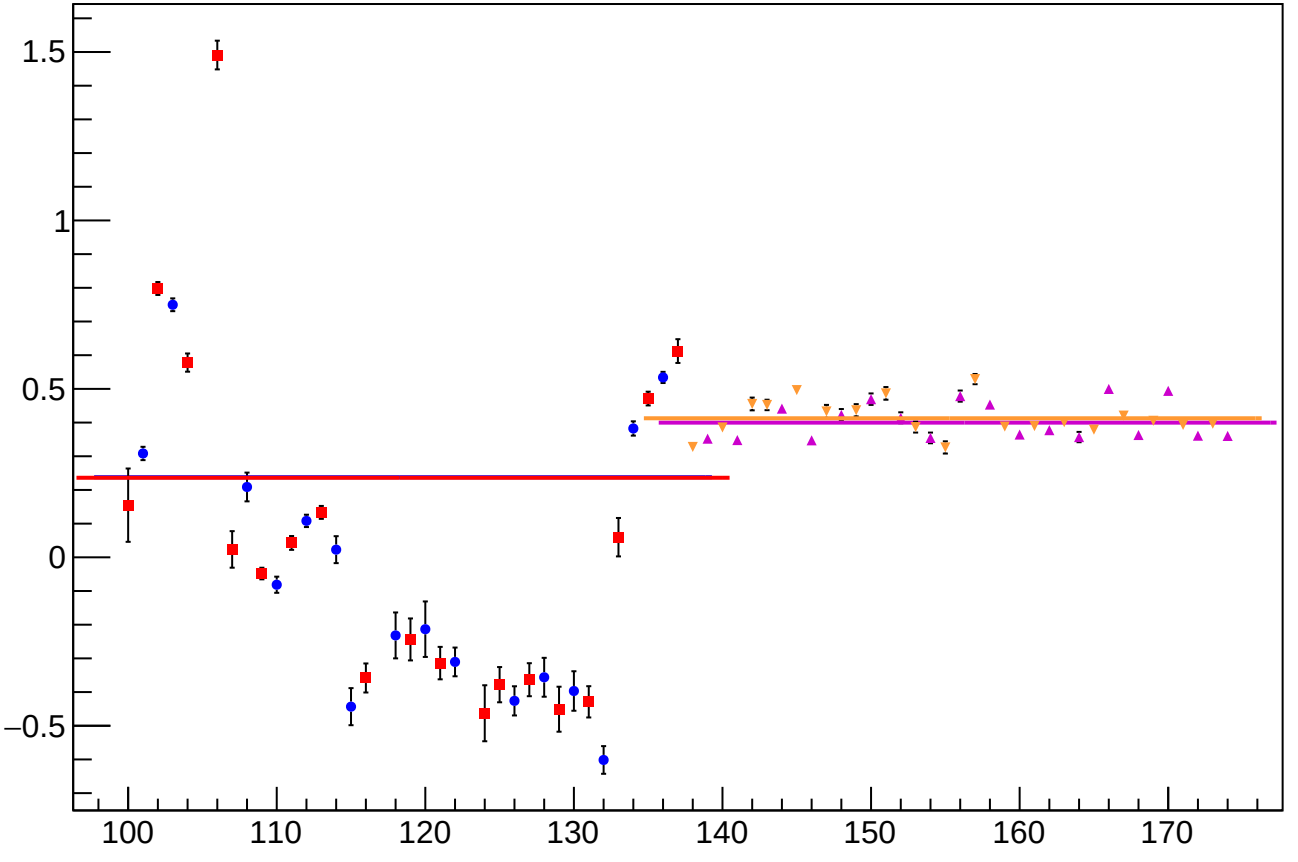
Left In: -18.435+/-0.070 χ^2/NDF:1490.1/17

+ sign -17.489+/-0.061 χ^2/NDF: 2826.0/34

All: -17.733+/-0.043 χ^2/NDF: 5213.9/71

- 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: 0.413+/-0.003 χ^2/NDF:232.4/18

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

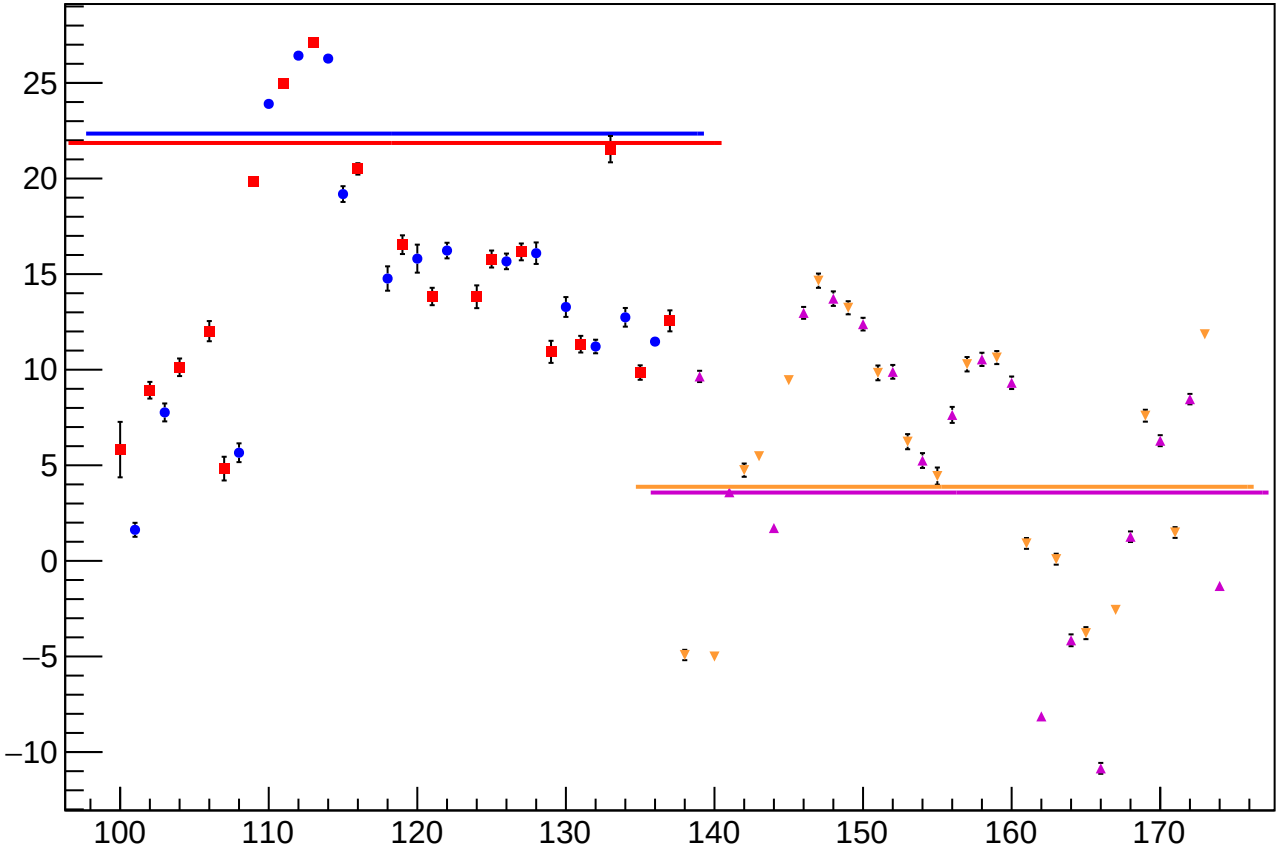
Left In: 0.400+/-0.003 χ^2/NDF:309.2/17

+ sign 0.384+/-0.003 χ^2/NDF: 3376.9/34

All: 0.378+/-0.002 χ^2/NDF: 7734.3/71

- 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: 3.876+/-0.068 χ^2/NDF:8522.0/18

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

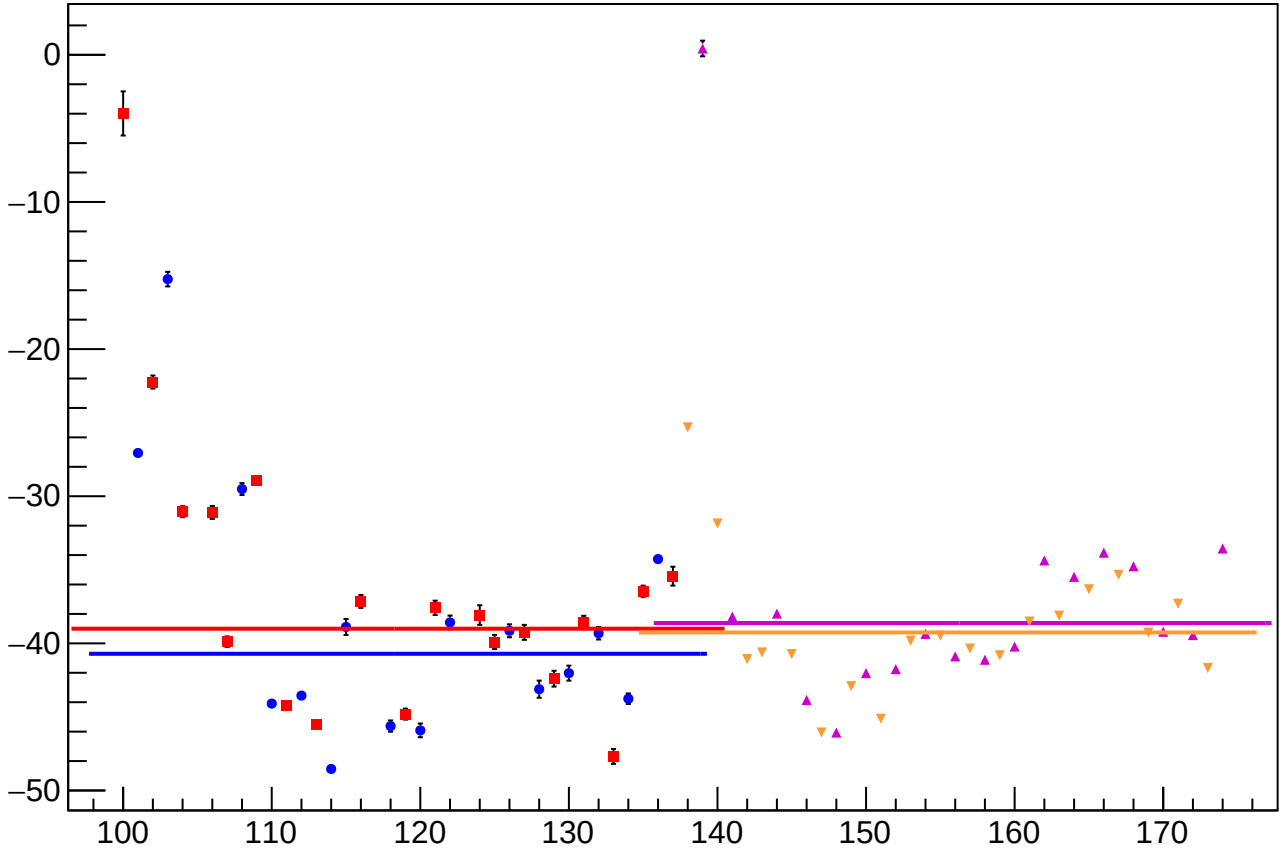
Left In: 3.574+/-0.069 χ^2/NDF:10205.5/17

+ sign 14.812+/-0.044 χ^2/NDF: 64397.8/34

All: 15.581+/-0.029 χ^2/NDF: 134317.4/71

- 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: -39.259+/-0.049 χ^2/NDF:8223.6/18

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

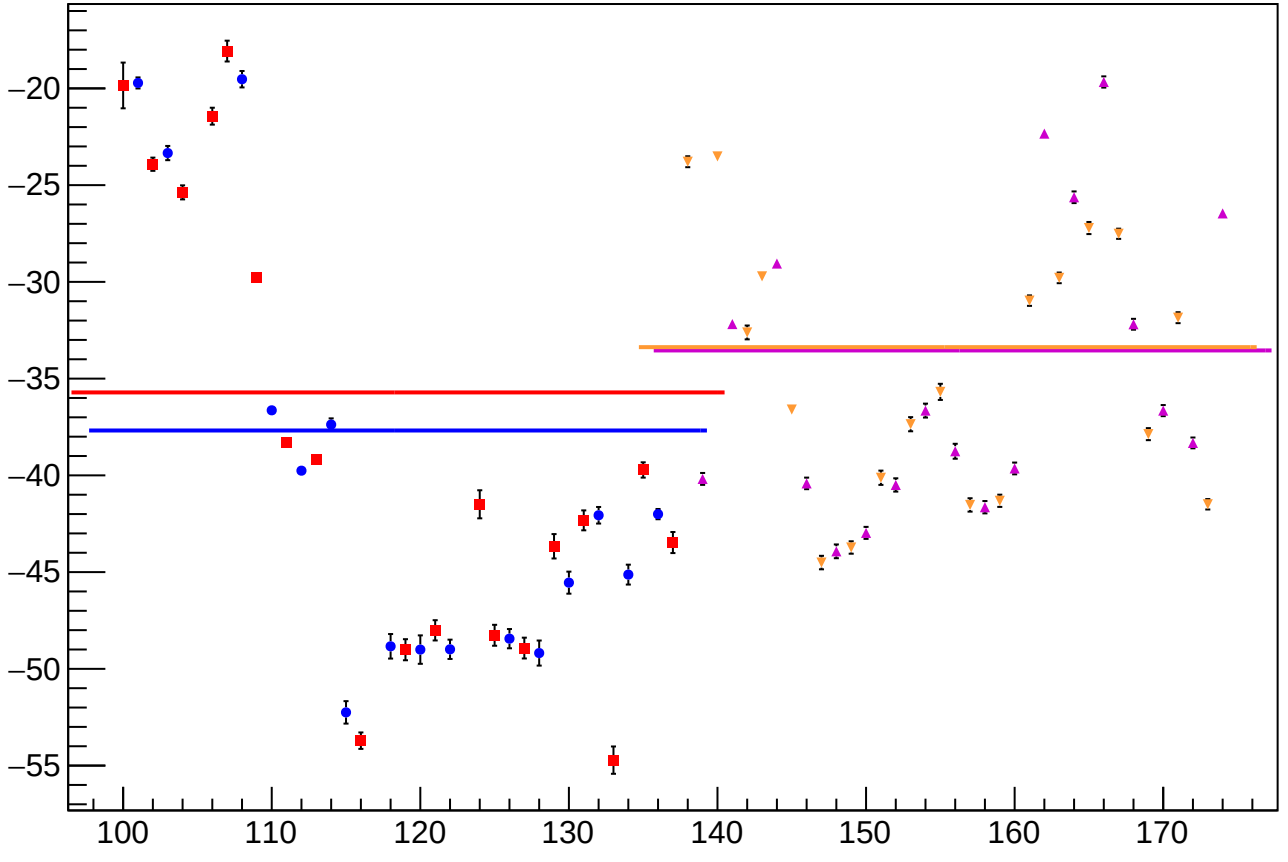
Left In: -38.619+/-0.051 χ^2/NDF:10683.1/17

+ sign -39.677+/-0.041 χ^2/NDF: 16259.7/34

All: -39.214+/-0.029 χ^2/NDF: 37318.6/71

- 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: -33.374+/-0.068 χ^2/NDF:9555.0/18

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

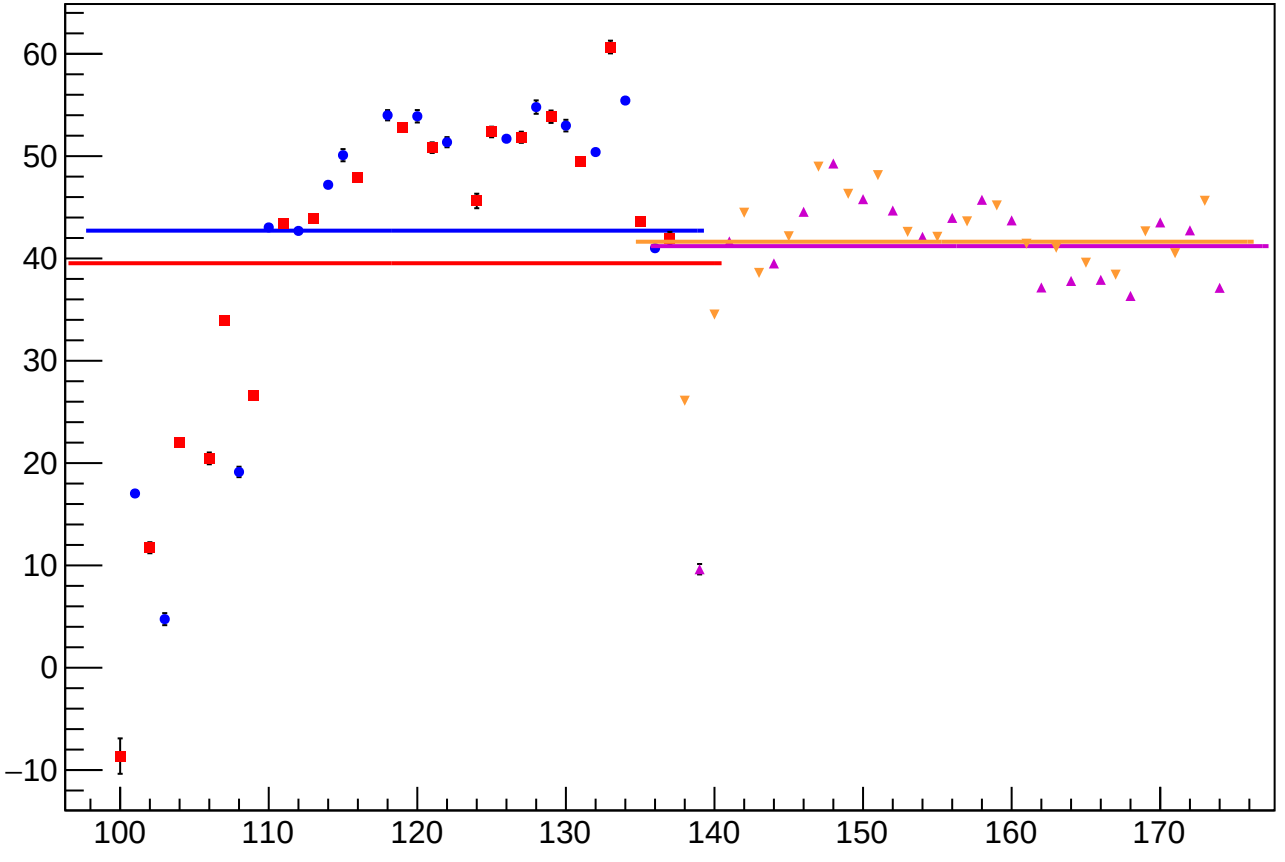
Left In: -33.543+/-0.068 χ^2/NDF:11273.3/17

+ sign -35.341+/-0.050 χ^2/NDF: 22262.0/34

All: -34.999+/-0.034 χ^2/NDF: 47432.5/71

- 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: 41.637+/-0.056 χ^2/NDF:6925.3/18

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

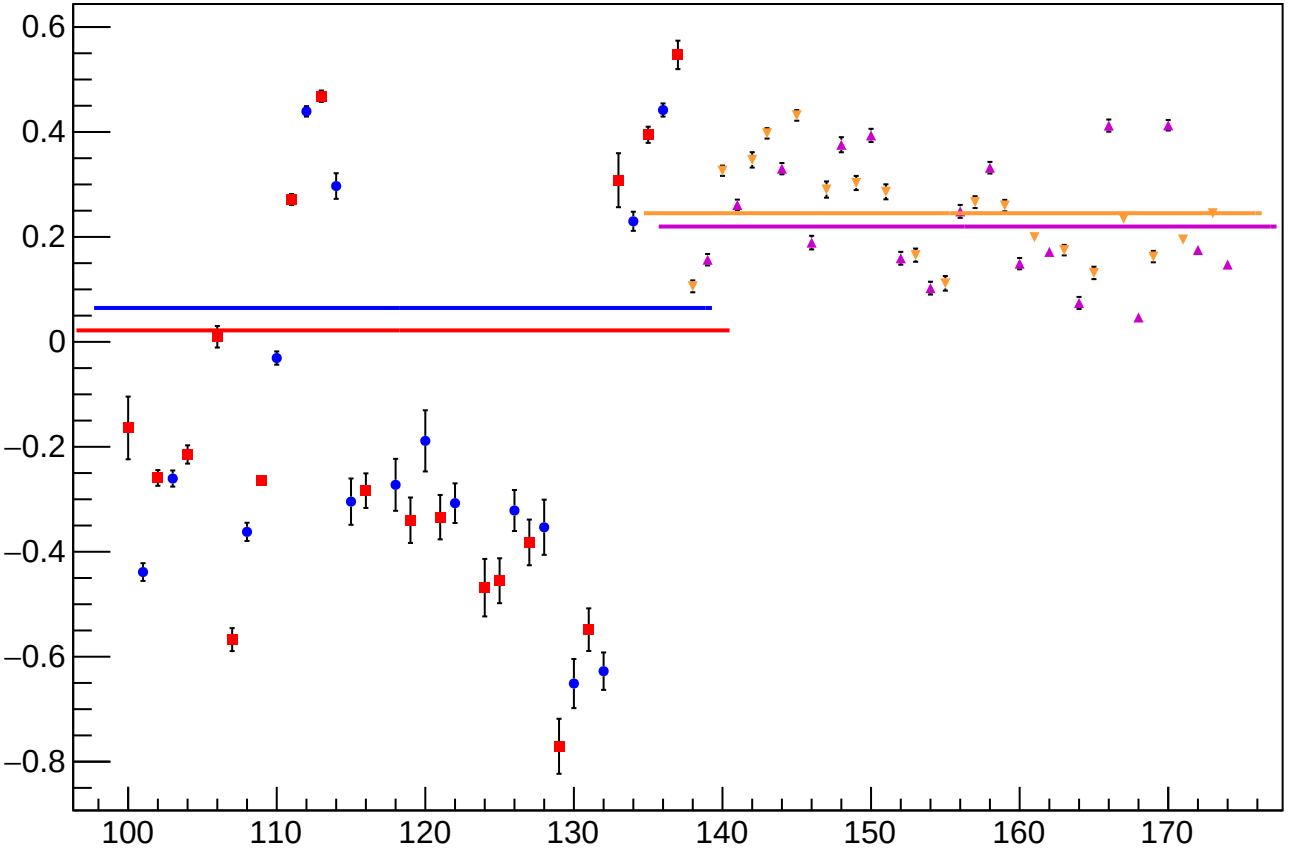
Left In: 41.205+/-0.057 χ^2/NDF:7864.2/17

+ sign 41.962+/-0.047 χ^2/NDF: 21803.2/34

All: 41.285+/-0.033 χ^2/NDF: 48360.5/71

- 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: 0.245+/-0.003 χ^2/NDF:1267.1/18

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

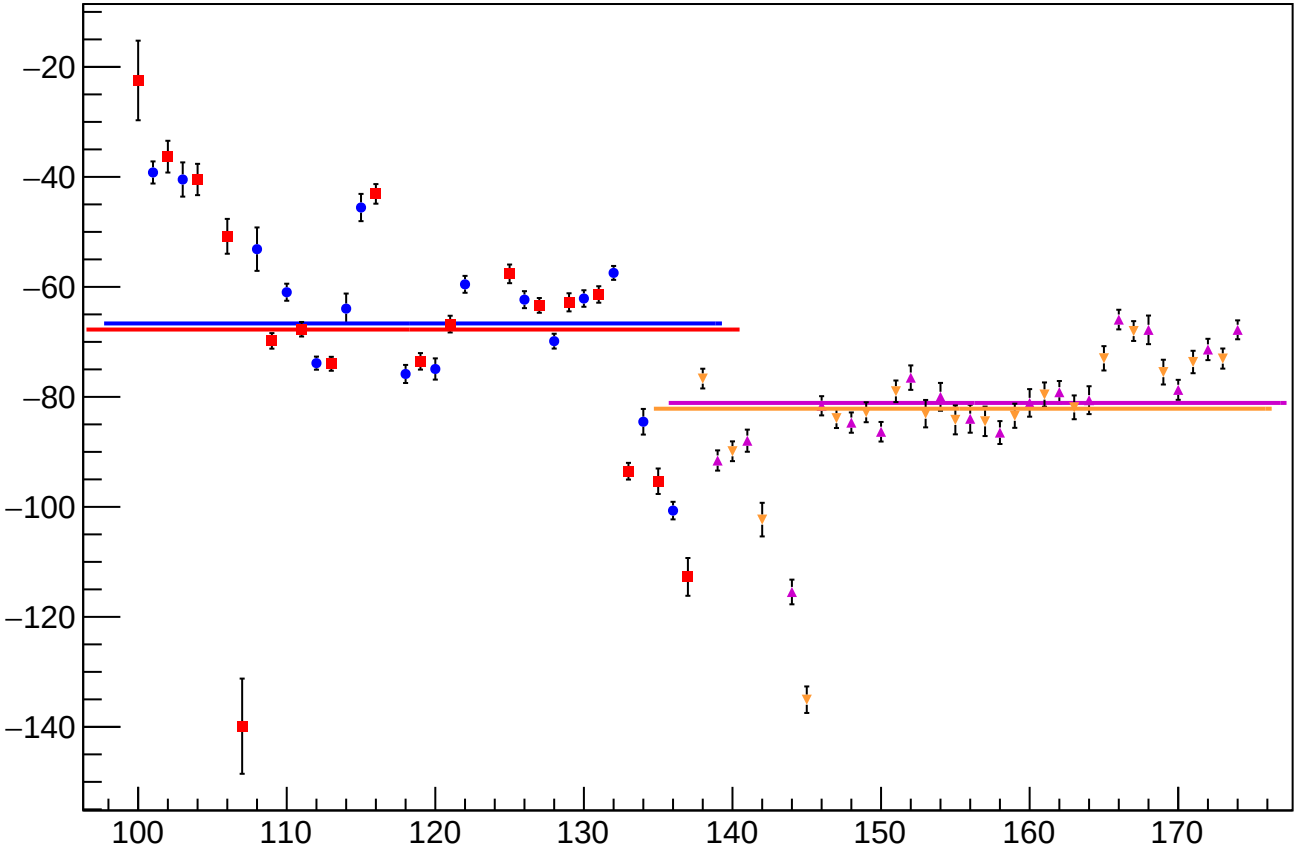
Left In: 0.220+/-0.003 χ^2/NDF:2002.5/17

+ sign 0.206+/-0.002 χ^2/NDF: 7855.5/34

All: 0.188+/-0.002 χ^2/NDF: 17919.5/71

- 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: -82.149+/-0.494 χ^2/NDF:689.4/17

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

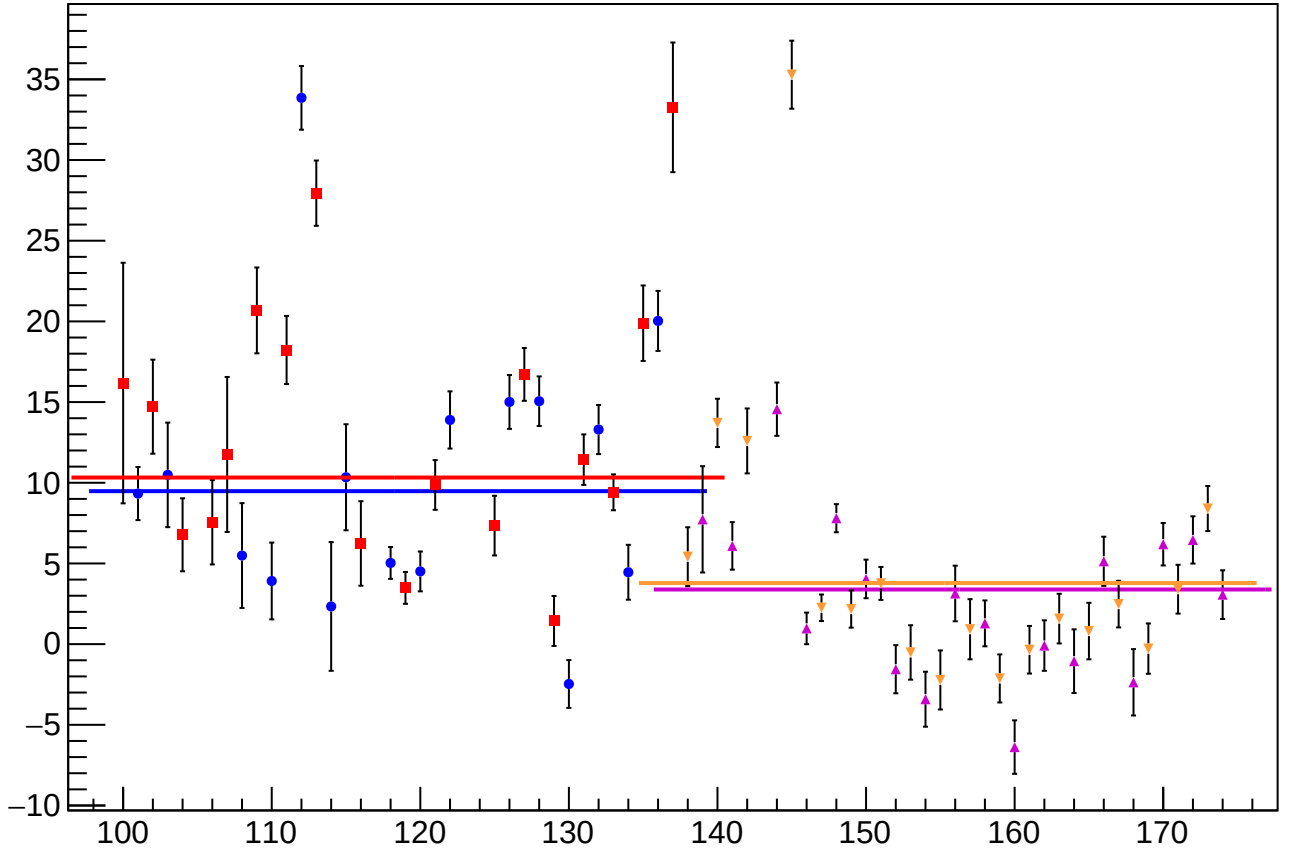
Left In: -81.098+/-0.480 χ^2/NDF:489.4/17

+ sign -73.262+/-0.323 χ^2/NDF: 2306.4/33

All: -73.402+/-0.226 χ^2/NDF: 4490.1/69

- 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: 3.786+/-0.336 χ^2/NDF:359.5/17

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

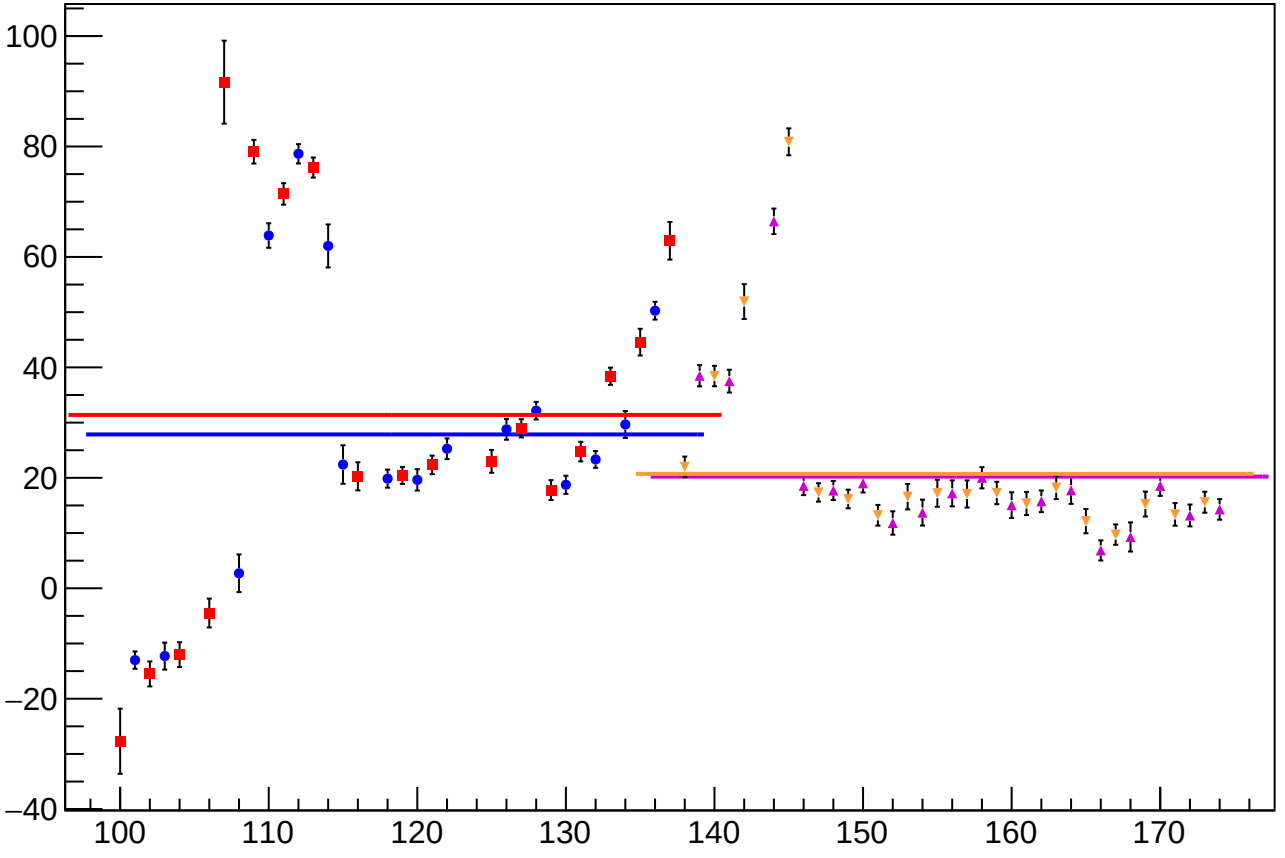
Left In: 3.385+/-0.337 χ^2/NDF:175.0/17

\+ sign 5.958+/-0.264 χ^2/NDF: 810.8/33

All: 5.972+/-0.188 χ^2/NDF: 1407.9/69

\- 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: 20.716+/-0.484 χ^2/NDF:919.9/17

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

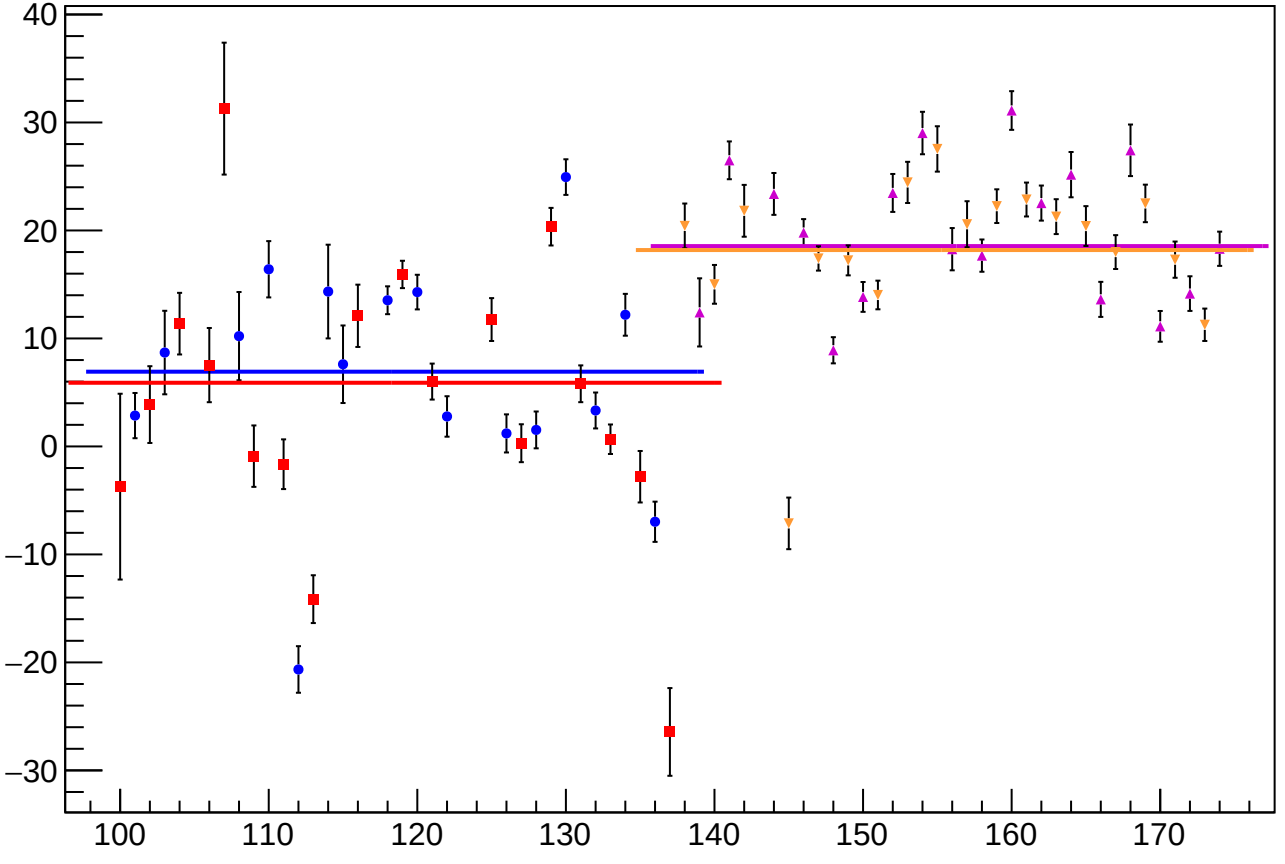
Left In: 20.222+/-0.471 χ^2/NDF:696.4/17

+ sign 24.296+/-0.342 χ^2/NDF: 3503.2/33

All: 24.961+/-0.241 χ^2/NDF: 7490.1/69

- 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: 18.185+/-0.392 χ^2/NDF:210.0/17

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

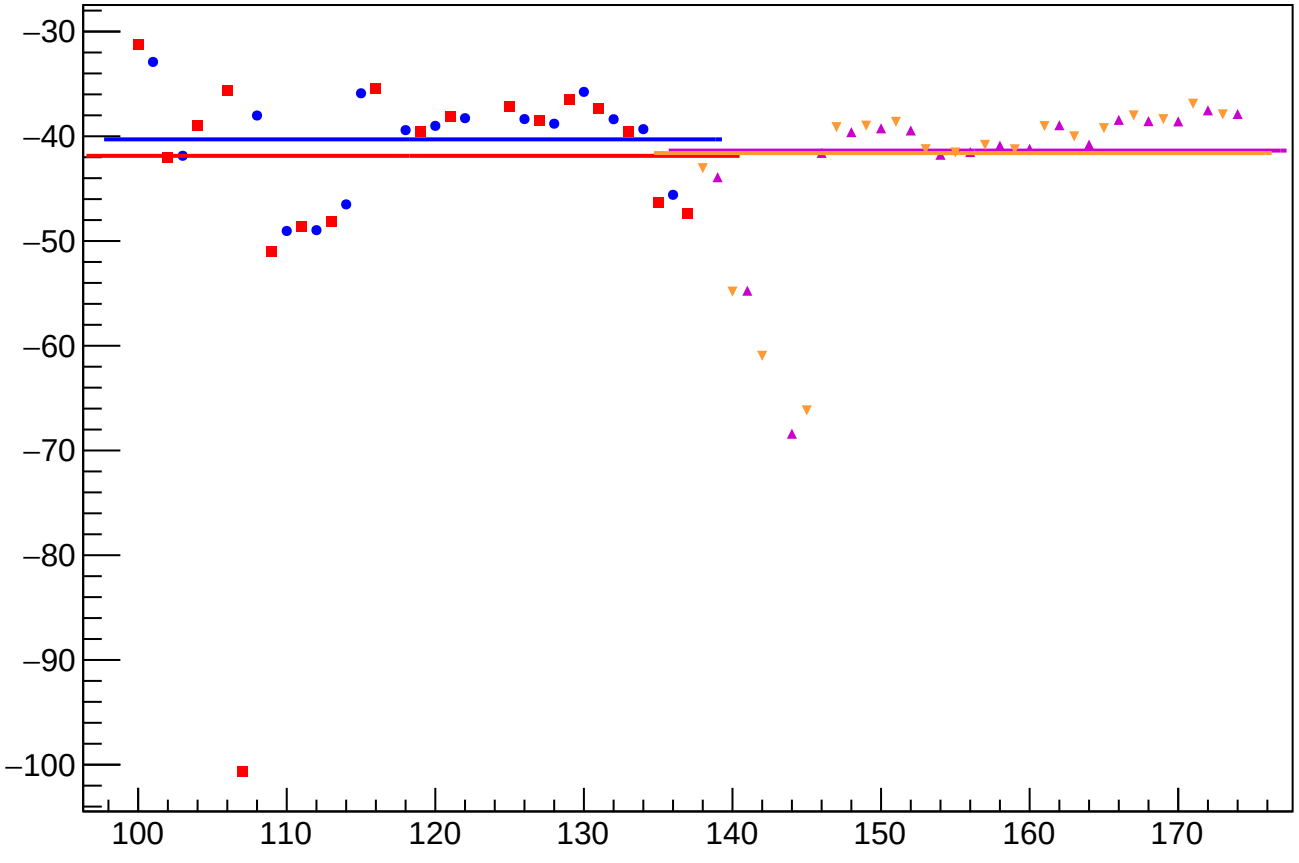
Left In: 18.553+/-0.390 χ^2/NDF:266.0/17

+ sign 13.855+/-0.307 χ^2/NDF: 972.3/33

All: 13.823+/-0.217 χ^2/NDF: 2002.9/69

- 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: -41.605+/-0.018 χ^2/NDF:132655.9/17

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

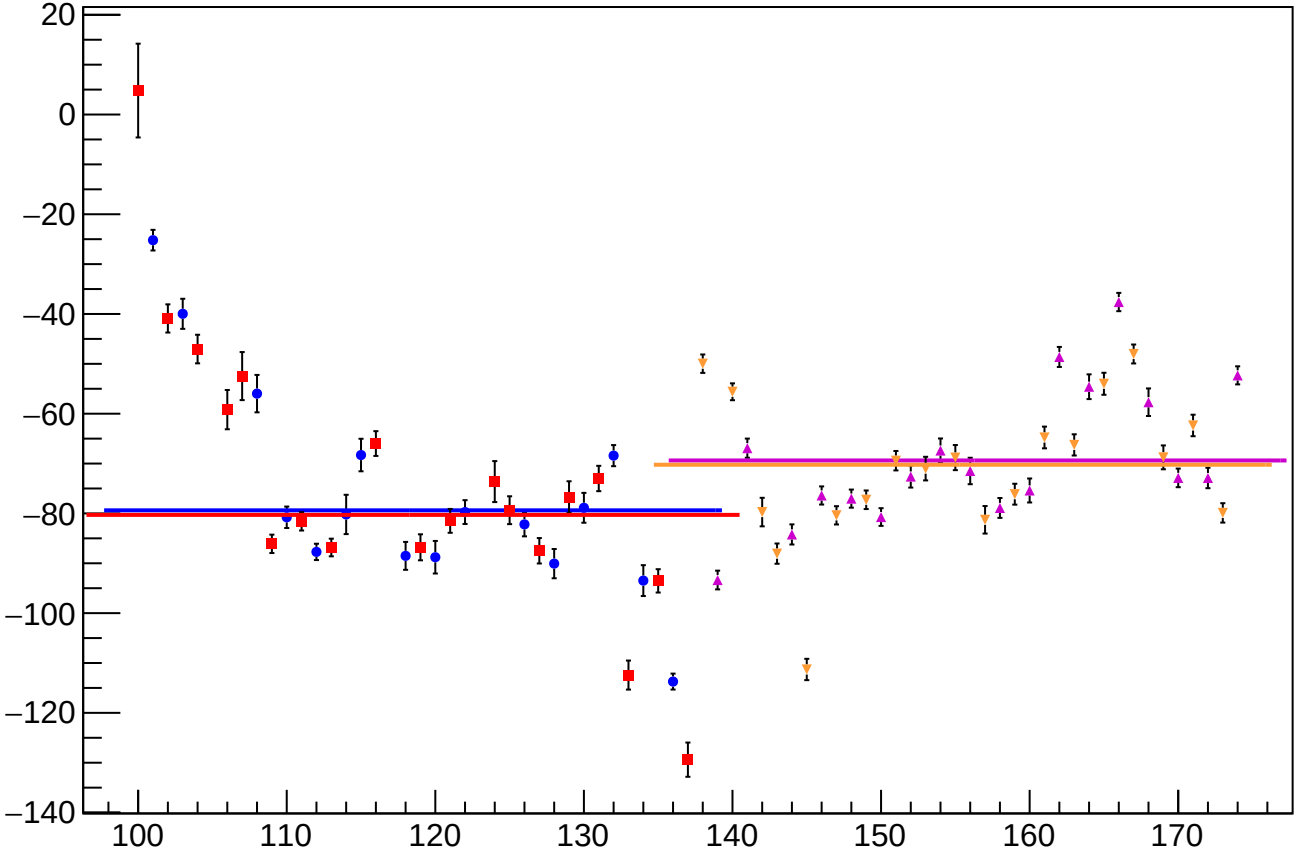
Left In: -41.366+/-0.018 χ^2/NDF:108458.0/17

+ sign -41.278+/-0.016 χ^2/NDF: 154629.2/33

All: -41.381+/-0.011 χ^2/NDF: 322095.4/69

- 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: -70.240+/-0.480 χ^2/NDF:960.2/18

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

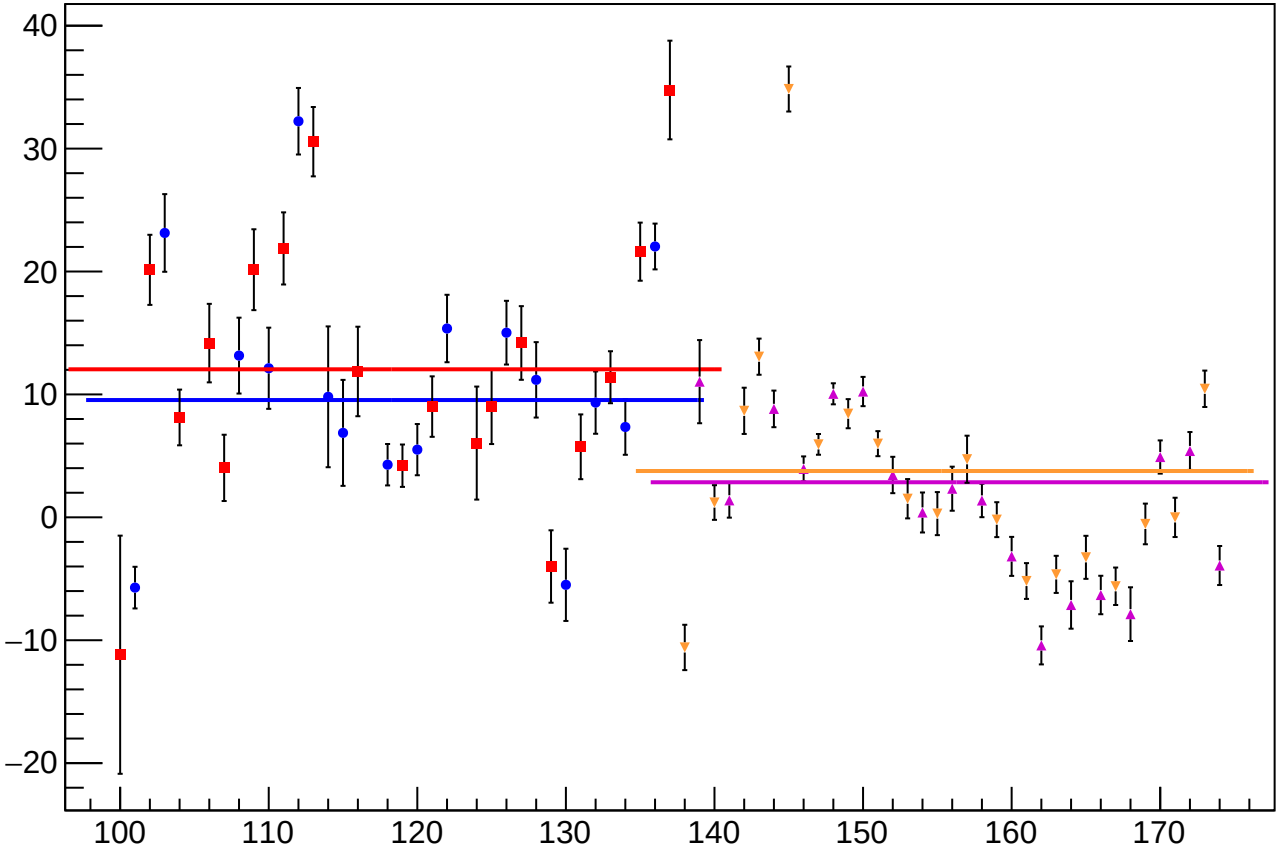
Left In: -69.379+/-0.480 χ^2/NDF:879.5/17

+ sign -73.729+/-0.378 χ^2/NDF: 2574.5/34

All: -73.669+/-0.266 χ^2/NDF: 4568.8/71

- 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: 3.768+/-0.328 χ^2/NDF:594.8/18

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

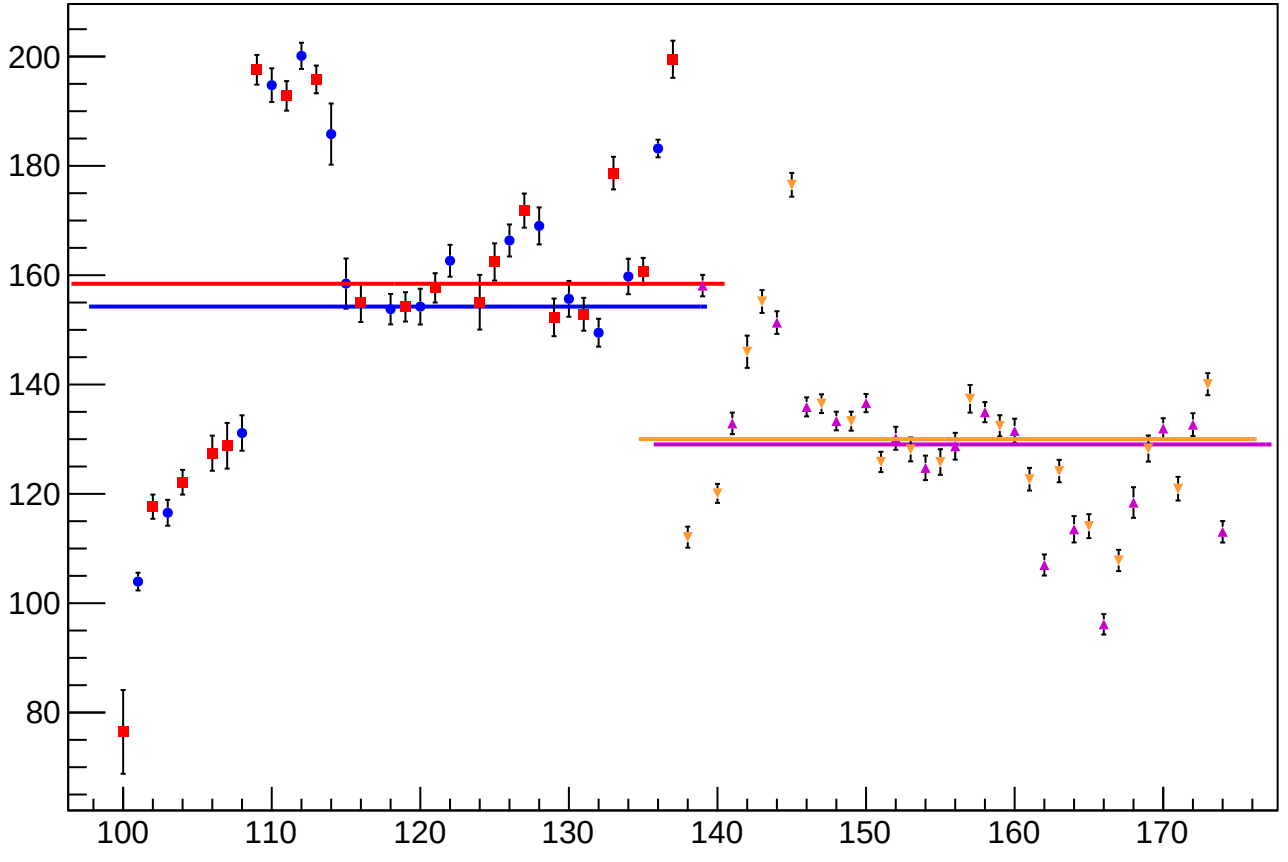
Left In: 2.853+/-0.336 χ^2/NDF:333.5/17

\+ sign 5.028+/-0.290 χ^2/NDF: 929.4/34

All: 4.945+/-0.208 χ^2/NDF: 1621.8/71

\- 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: 130.016+/-0.471 χ^2/NDF:1033.6/18

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

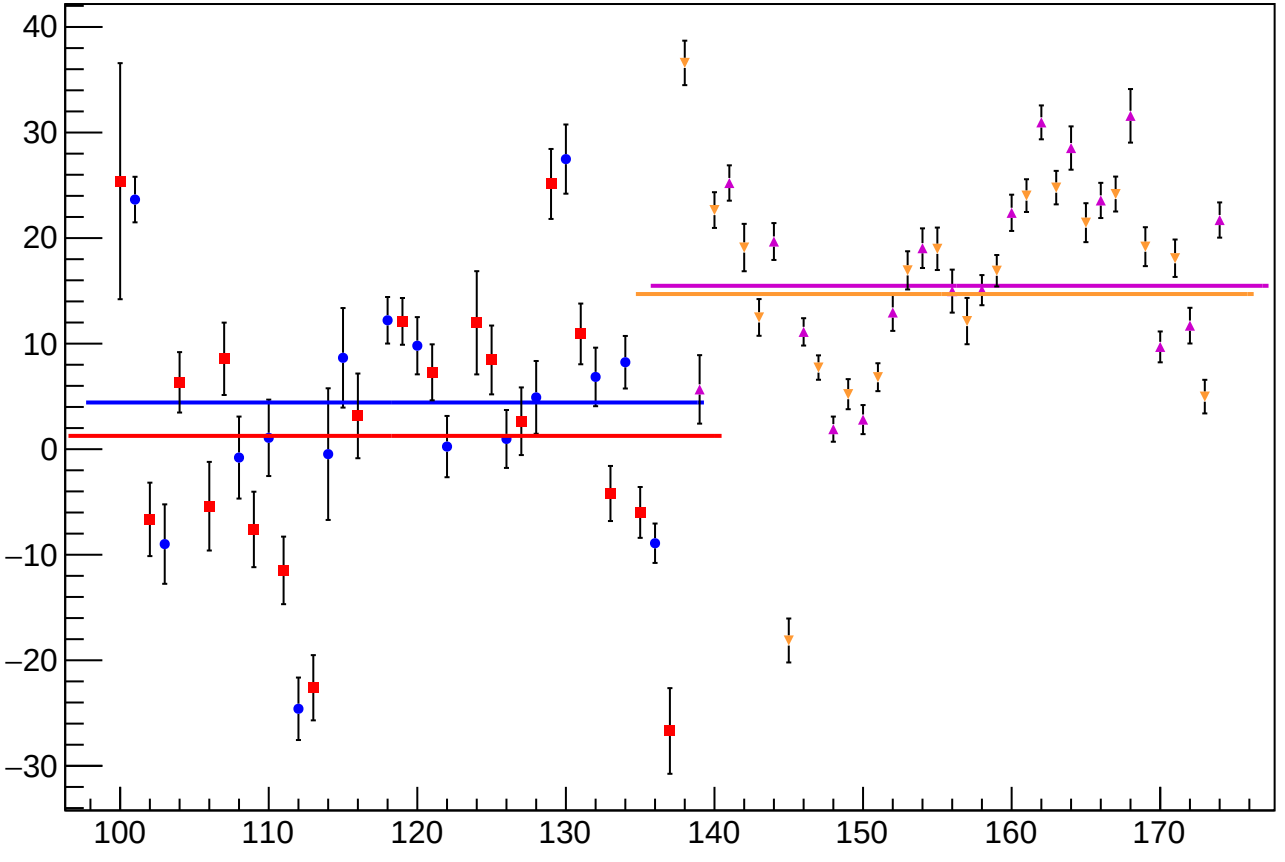
Left In: 129.042+/-0.471 χ^2/NDF:964.4/17

+ sign 138.170+/-0.384 χ^2/NDF: 4138.2/34

All: 138.346+/-0.273 χ^2/NDF: 8023.2/71

- 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: 14.699+/-0.382 χ^2/NDF:679.5/18

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

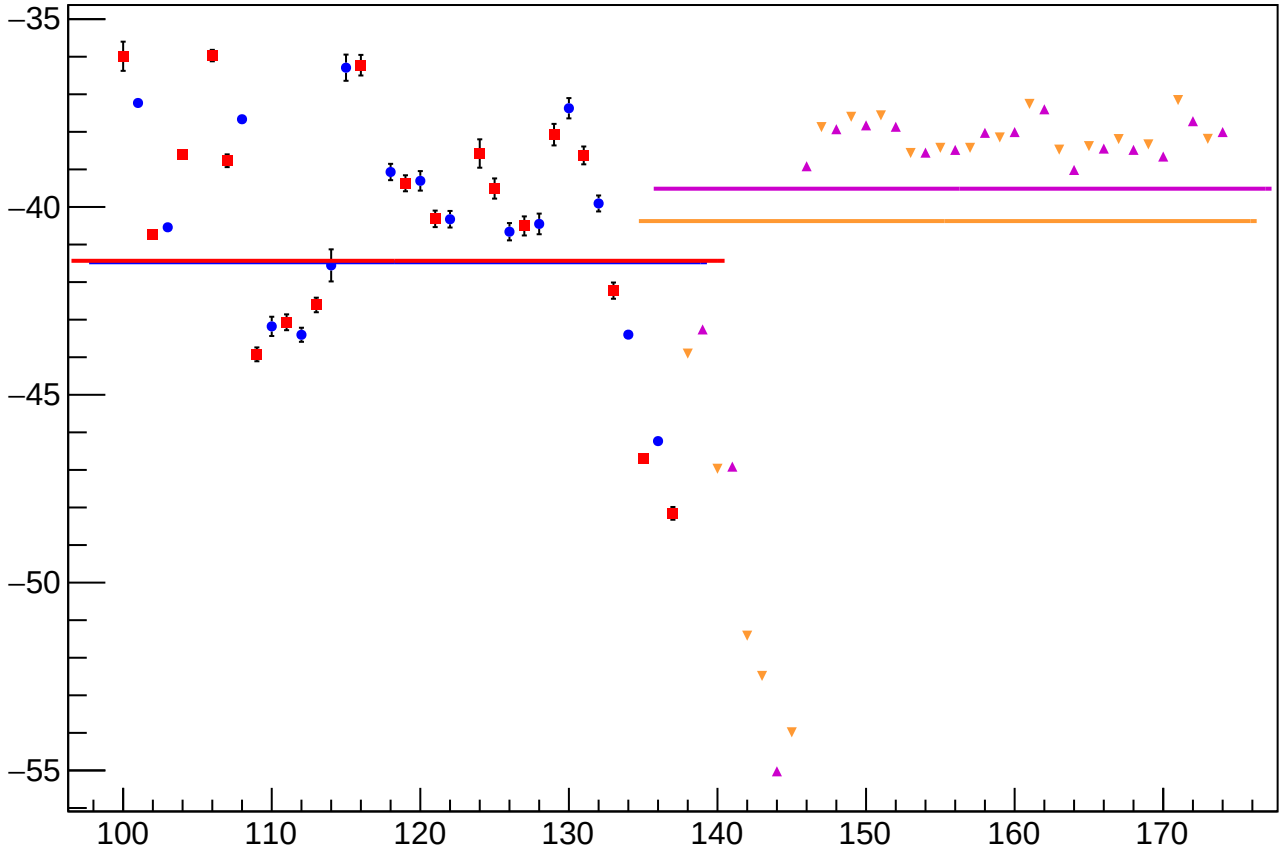
Left In: 15.480+/-0.389 χ^2/NDF:528.5/17

+ sign 12.408+/-0.337 χ^2/NDF: 1156.5/34

All: 12.377+/-0.241 χ^2/NDF: 2244.4/71

- 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: -40.376+/-0.018 χ^2/NDF:76433.8/18

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

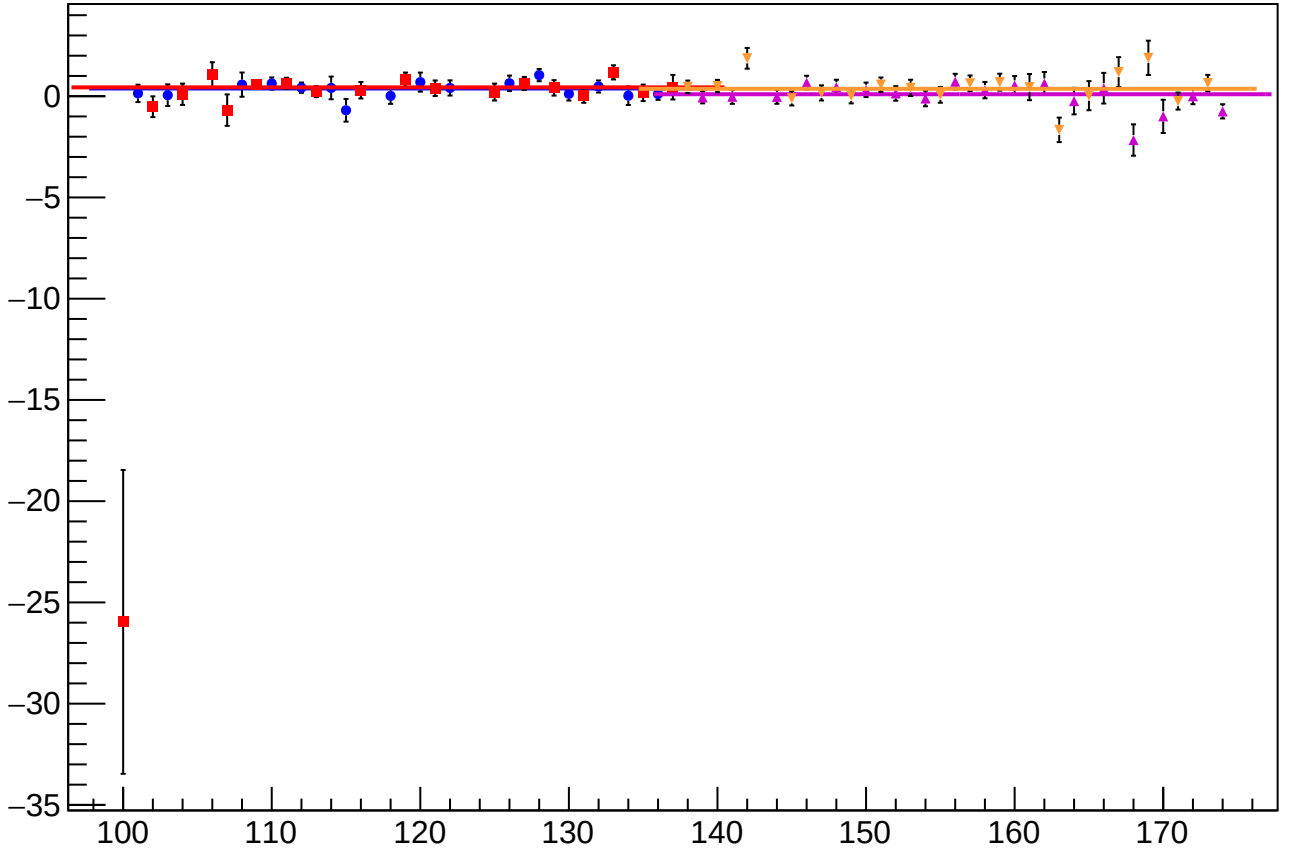
Left In: -39.514+/-0.018 χ^2/NDF:44424.5/17

+ sign -40.571+/-0.016 χ^2/NDF: 85025.5/34

All: -40.200+/-0.011 χ^2/NDF: 140707.1/71

- 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: 0.366+/-0.099 χ^2/NDF:32.5/17

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

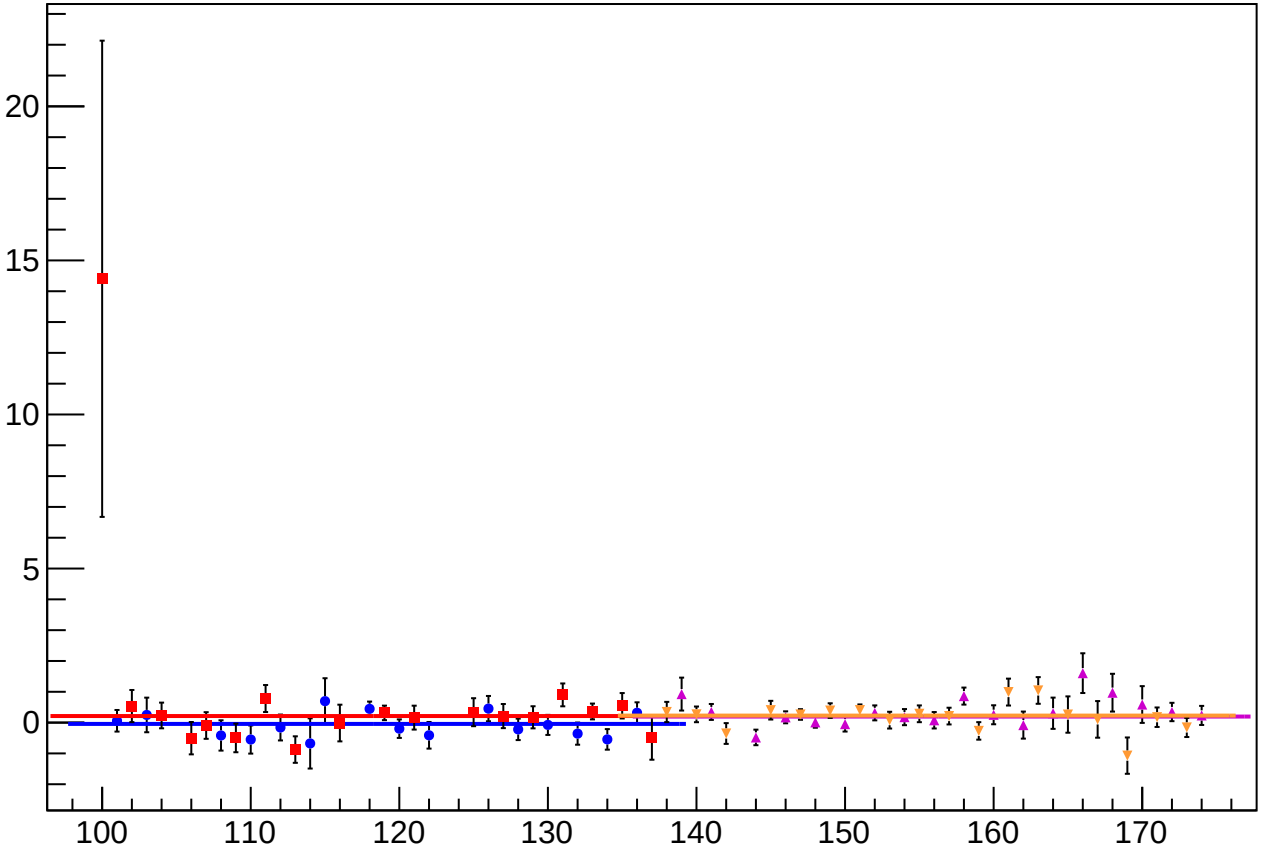
Left In: 0.097+/-0.096 χ^2/NDF:26.0/17

+ sign 0.375+/-0.067 χ^2/NDF: 46.5/33

All: 0.325+/-0.047 χ^2/NDF: 109.3/69

- 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: 0.228+/-0.068 χ^2/NDF:21.4/17

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

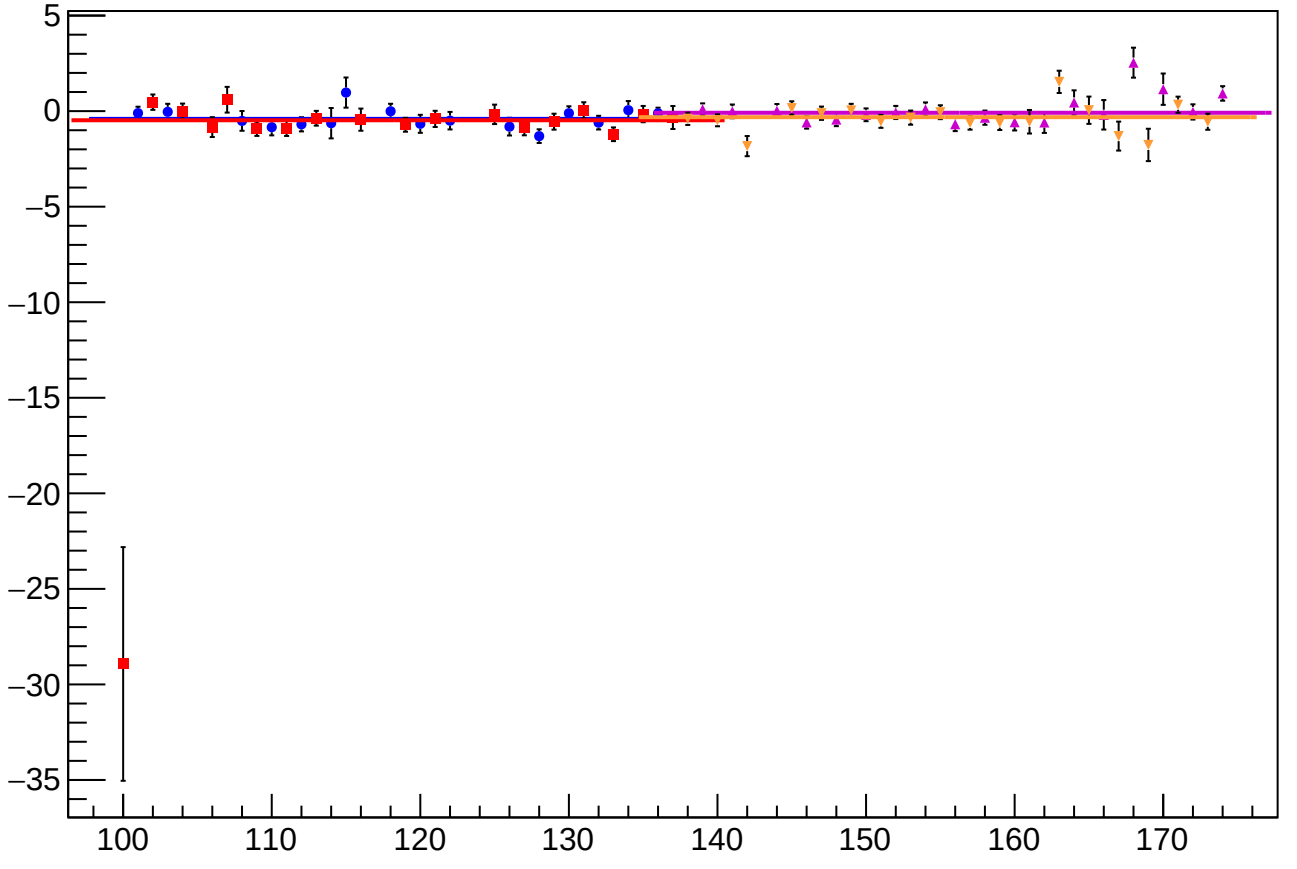
Left In: 0.196+/-0.068 χ^2/NDF:25.4/17

+ sign 0.135+/-0.055 χ^2/NDF: 41.8/33

All: 0.169+/-0.039 χ^2/NDF: 90.4/69

- 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: -0.317+/-0.096 χ^2/NDF:31.7/17

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

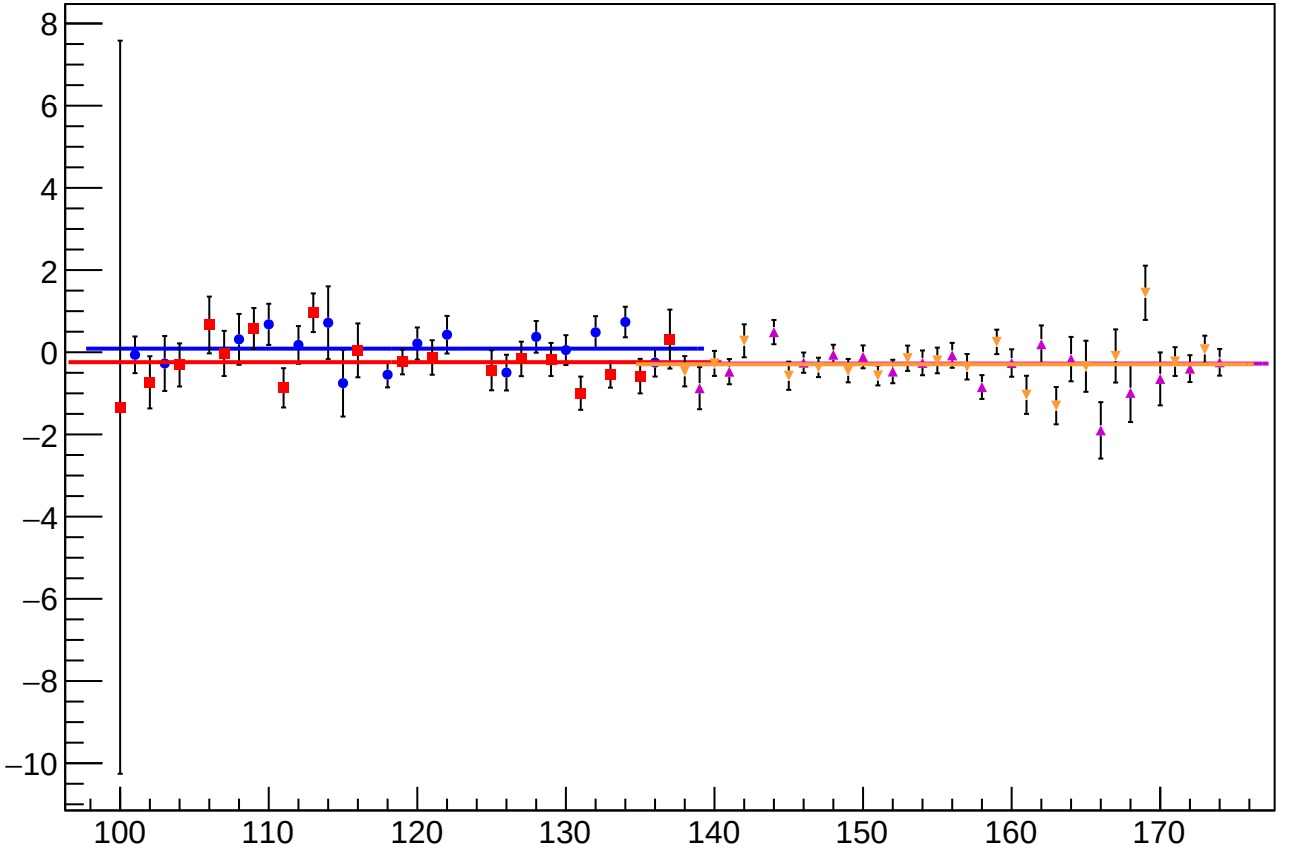
Left In: -0.086+/-0.094 χ^2/NDF:31.0/17

+ sign -0.358+/-0.070 χ^2/NDF: 49.9/33

All: -0.309+/-0.050 χ^2/NDF: 131.9/69

- 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: -0.292+/-0.080 χ^2/NDF:24.1/17

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

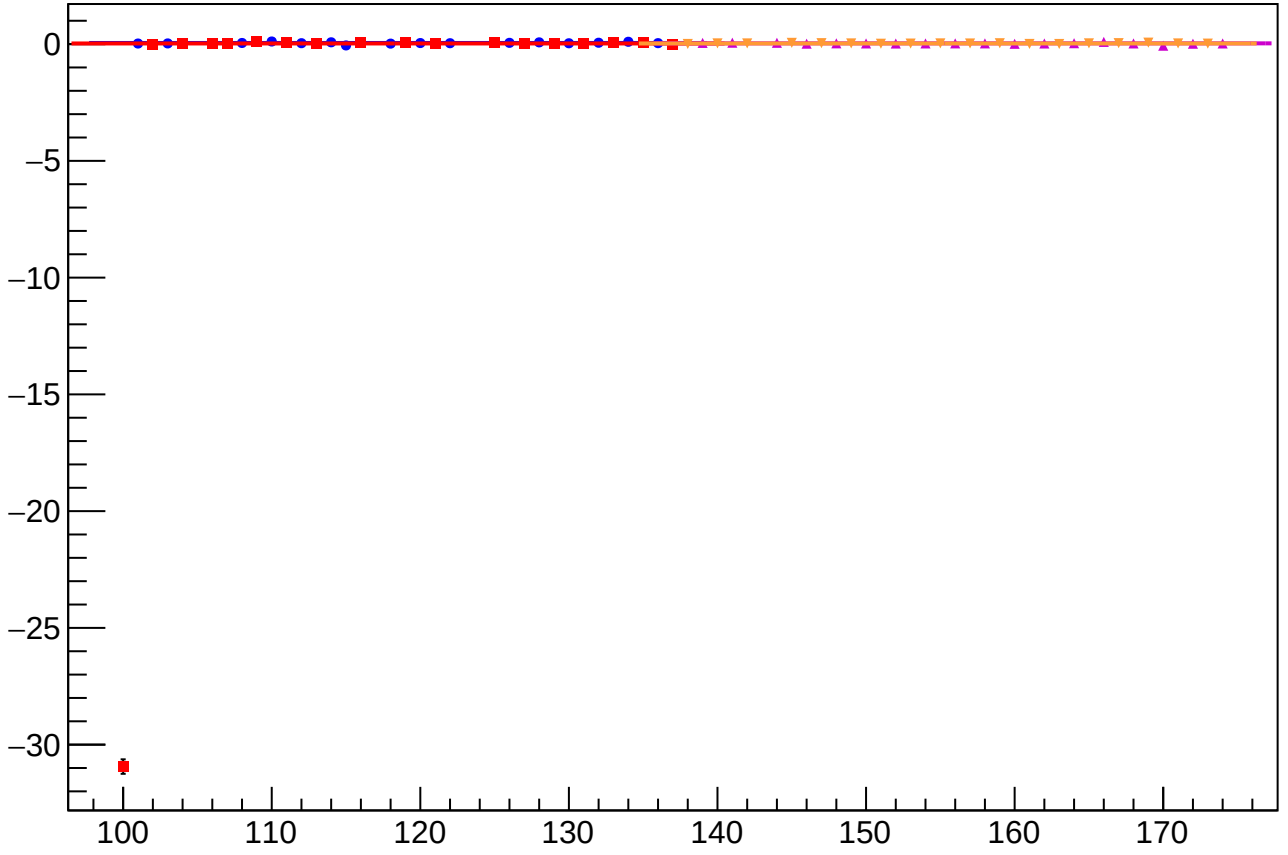
Left In: -0.275+/-0.079 χ^2/NDF:22.6/17

+ sign -0.159+/-0.064 χ^2/NDF: 47.9/33

All: -0.211+/-0.045 χ^2/NDF: 91.6/69

- 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: 0.028+/-0.004 χ^2/NDF:12.2/17

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

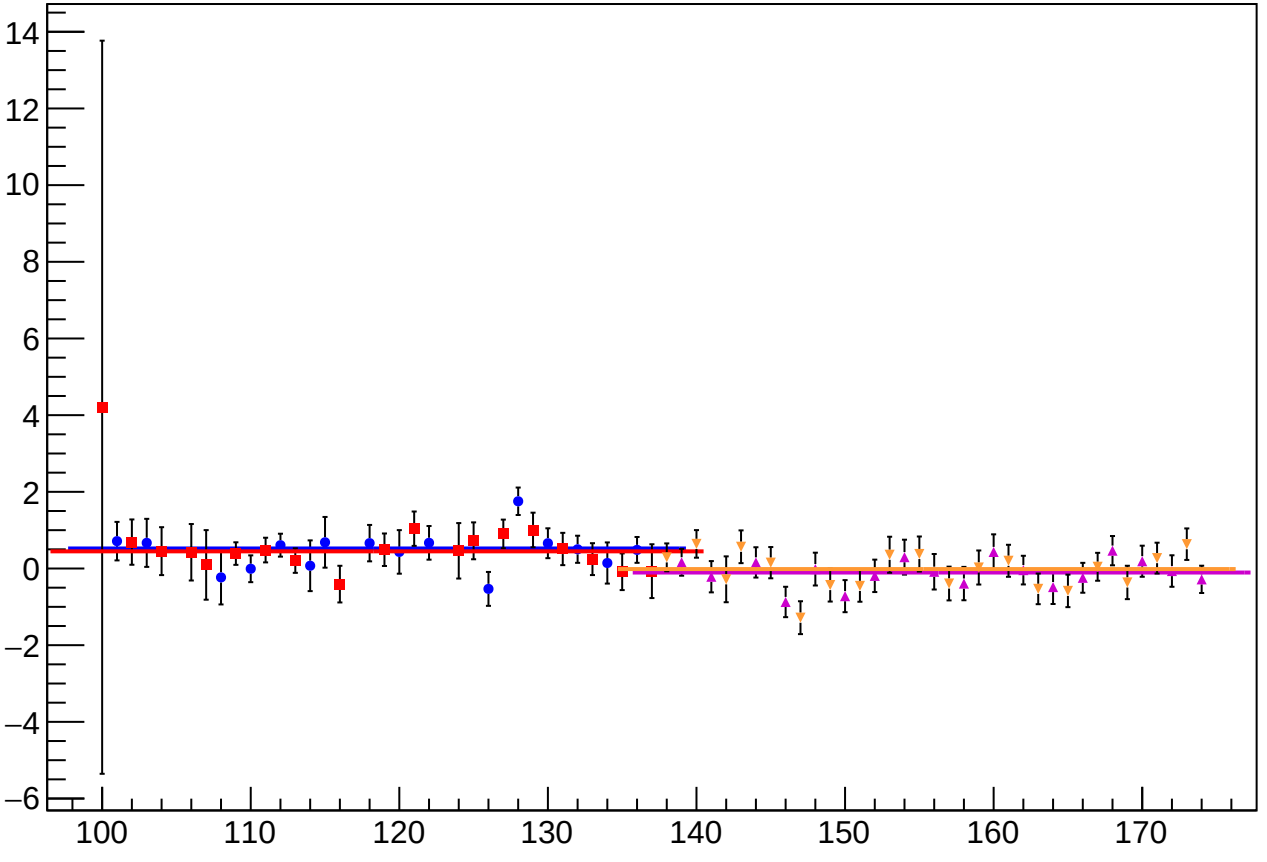
Left In: 0.032+/-0.003 χ^2/NDF:30.4/17

+ sign 0.033+/-0.003 χ^2/NDF: 39.9/33

All: 0.032+/-0.002 χ^2/NDF: 10091.7/69

- 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: -0.015+/-0.096 χ^2/NDF:26.6/18

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

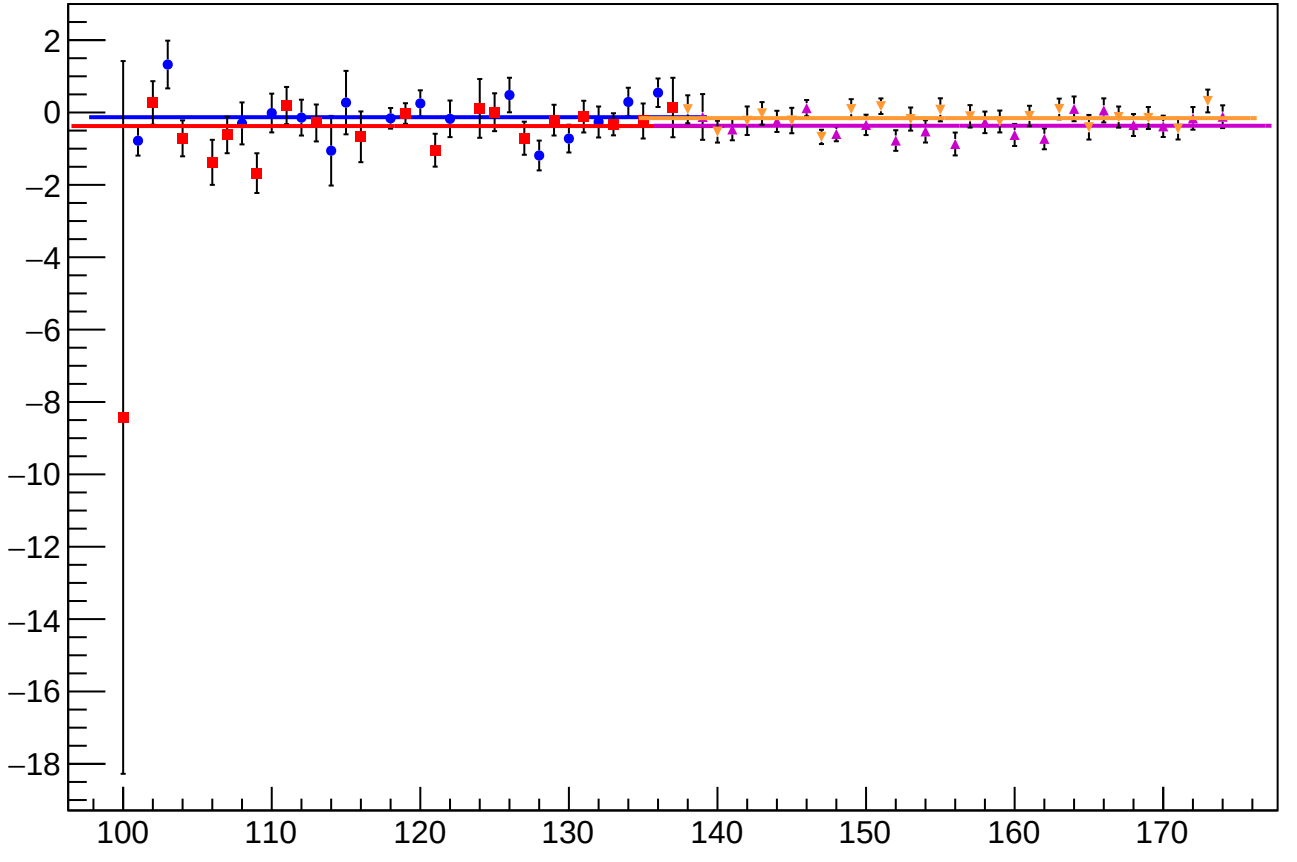
Left In: -0.105+/-0.096 χ^2/NDF:13.6/17

+ sign 0.221+/-0.072 χ^2/NDF: 62.9/34

All: 0.183+/-0.050 χ^2/NDF: 103.6/71

- 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: -0.156+/-0.067 χ^2/NDF:17.5/18

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

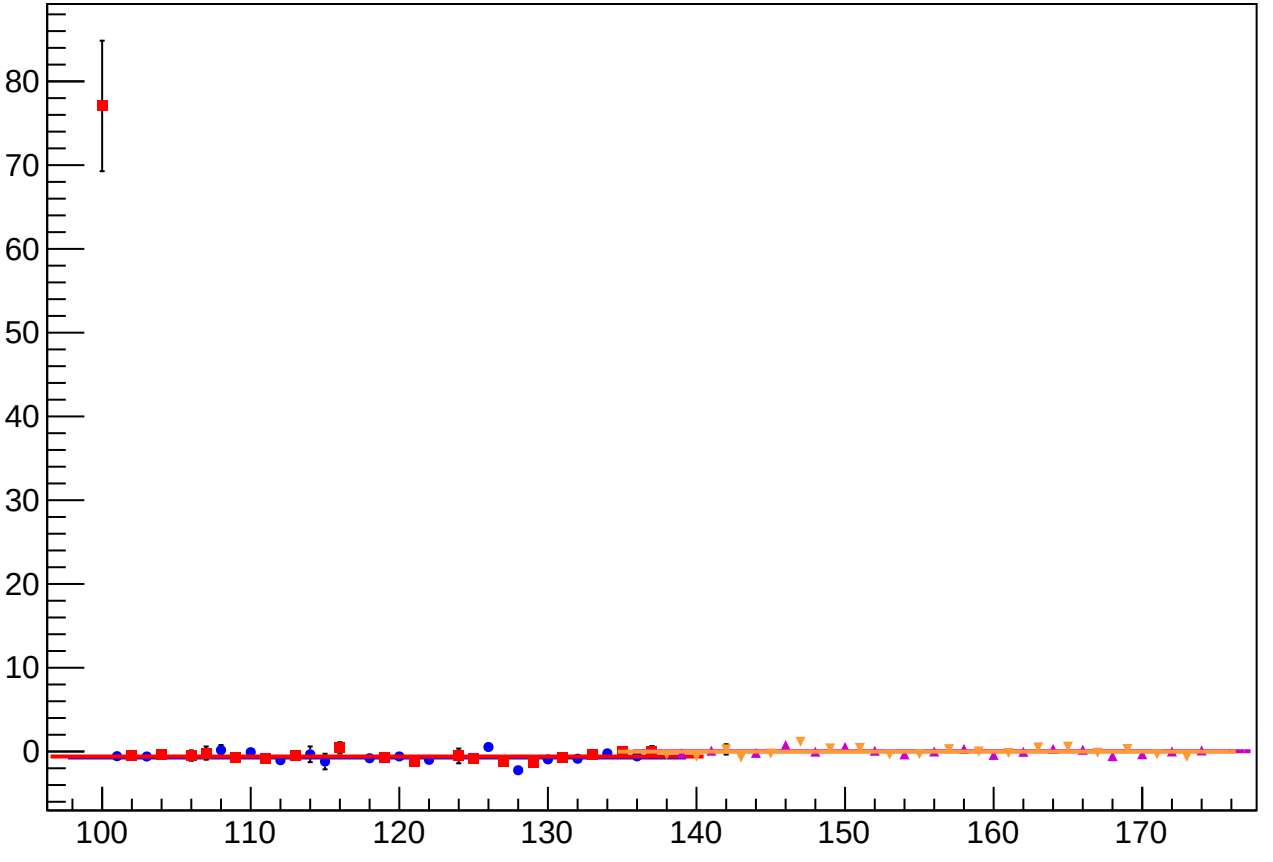
Left In: -0.366+/-0.069 χ^2/NDF:18.1/17

+ sign -0.149+/-0.058 χ^2/NDF: 42.1/34

All: -0.257+/-0.041 χ^2/NDF: 85.6/71

- 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: -0.011+/-0.094 χ^2/NDF:26.3/18

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

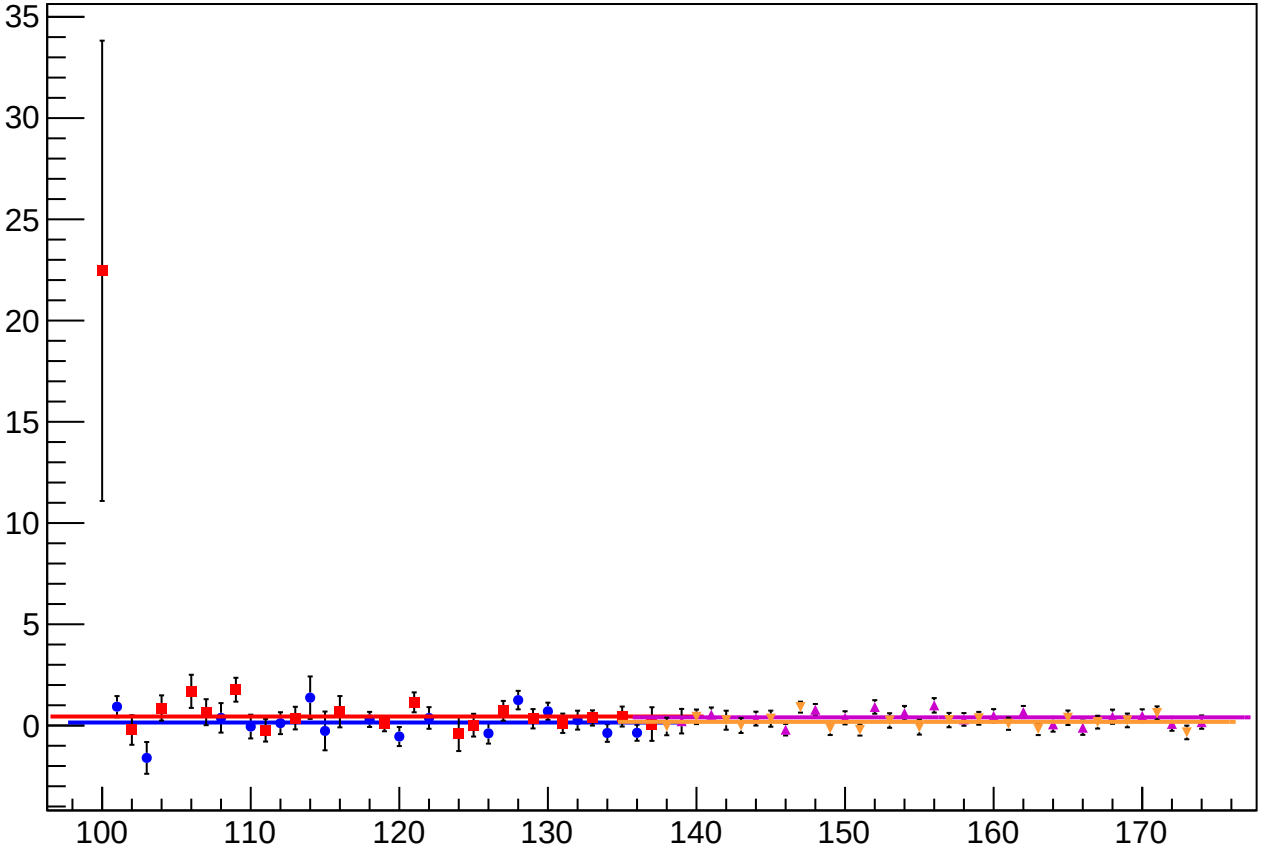
Left In: 0.033+/-0.094 χ^2/NDF:12.2/17

+ sign -0.275+/-0.075 χ^2/NDF: 72.0/34

All: -0.239+/-0.053 χ^2/NDF: 212.4/71

- 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: 0.181+/-0.078 χ^2/NDF:18.2/18

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

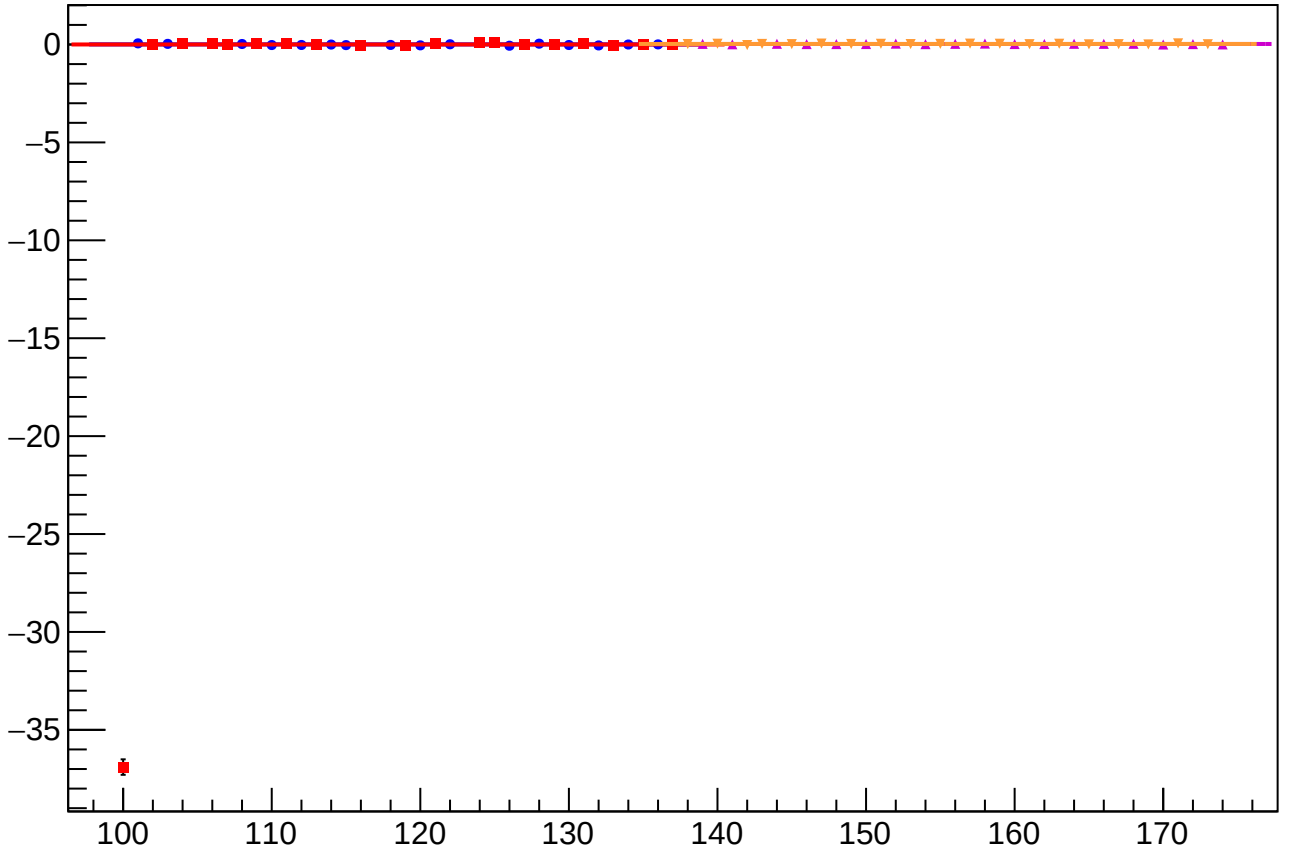
Left In: 0.404+/-0.079 χ^2/NDF:17.4/17

+ sign 0.172+/-0.066 χ^2/NDF: 41.5/34

All: 0.292+/-0.047 χ^2/NDF: 85.4/71

- 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+/-0.004 χ^2/NDF:21.7/18

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

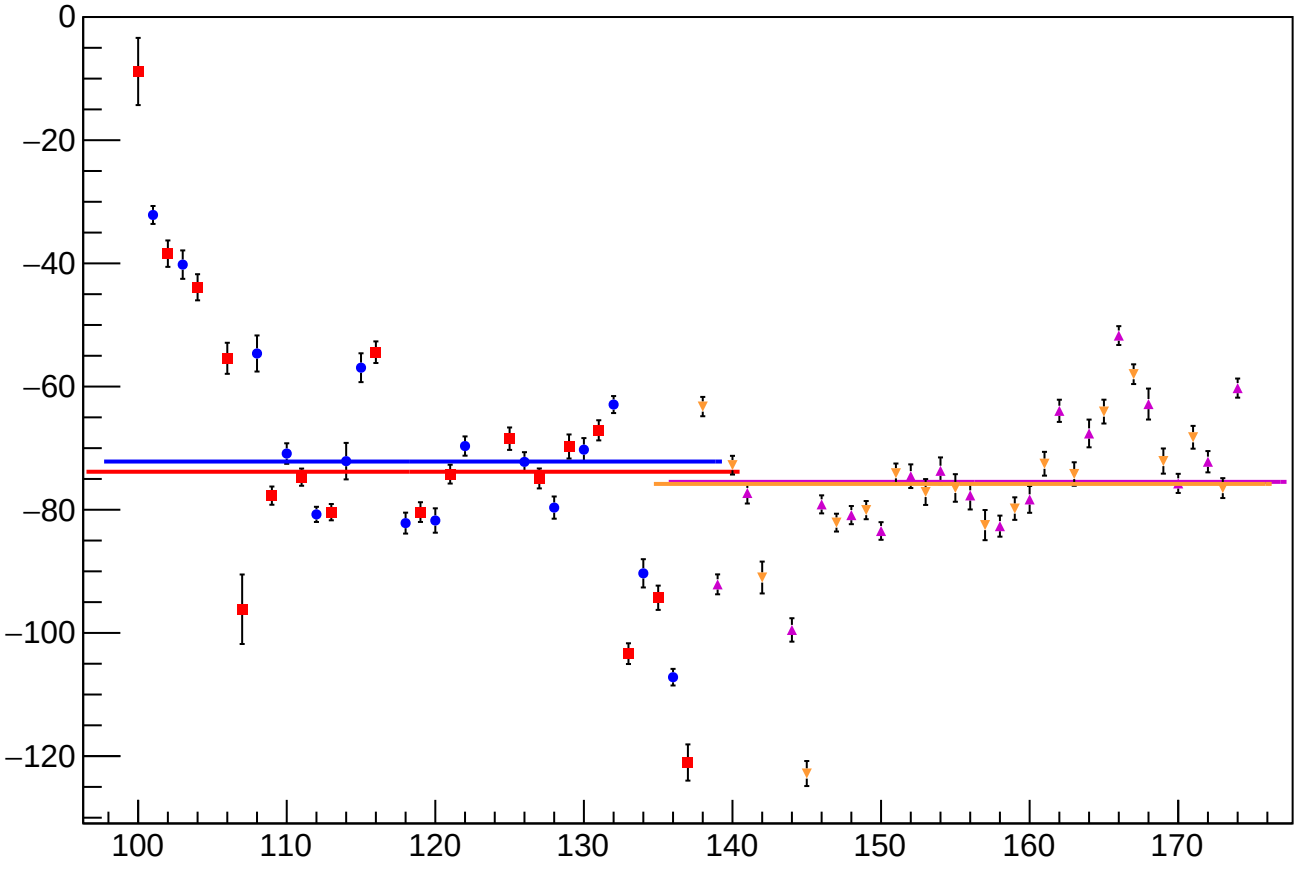
Left In: 0.027+/-0.003 χ^2/NDF:12.9/17

+ sign 0.024+/-0.003 χ^2/NDF: 46.1/34

All: 0.023+/-0.002 χ^2/NDF: 8821.6/71

- 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: -75.807+/-0.424 χ^2/NDF:863.3/17

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

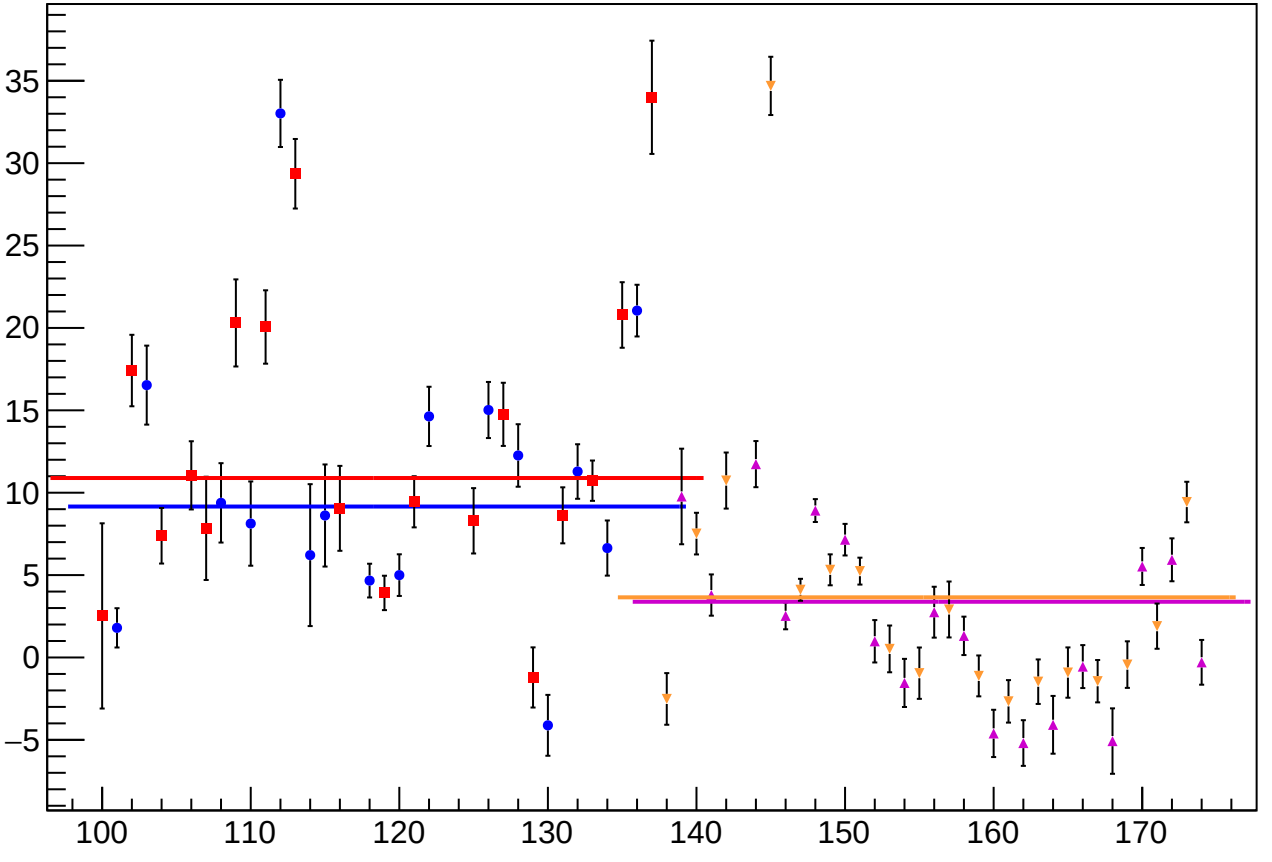
Left In: -75.473+/-0.412 χ^2/NDF:757.7/17

+ sign -74.025+/-0.302 χ^2/NDF: 2835.4/33

All: -74.362+/-0.212 χ^2/NDF: 5160.8/69

- 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: 3.650+/-0.284 χ^2/NDF:481.6/17

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

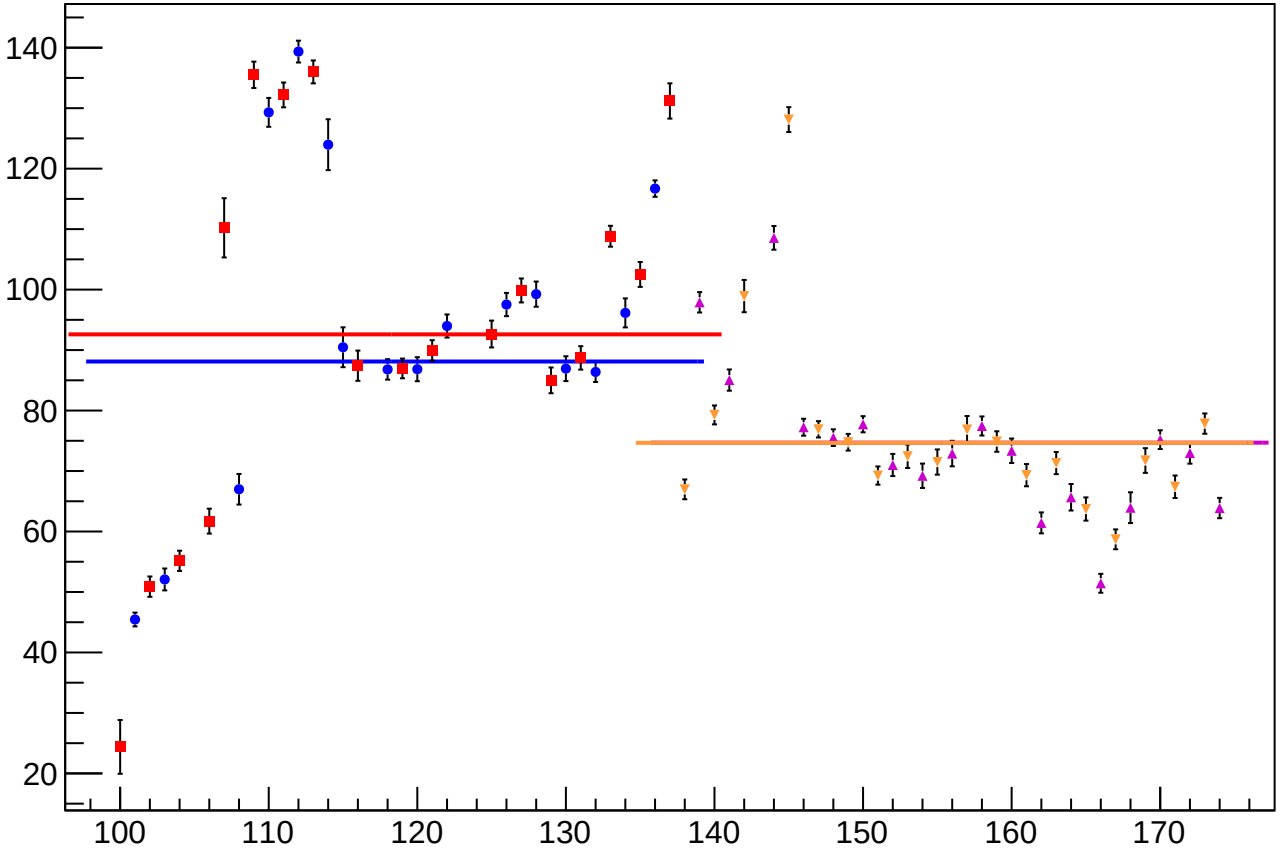
Left In: 3.382+/-0.286 χ^2/NDF:268.2/17

\+ sign 5.353+/-0.236 χ^2/NDF: 949.8/33

All: 5.479+/-0.168 χ^2/NDF: 1713.6/69

\- 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: 74.663+/-0.414 χ^2/NDF:967.6/17

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

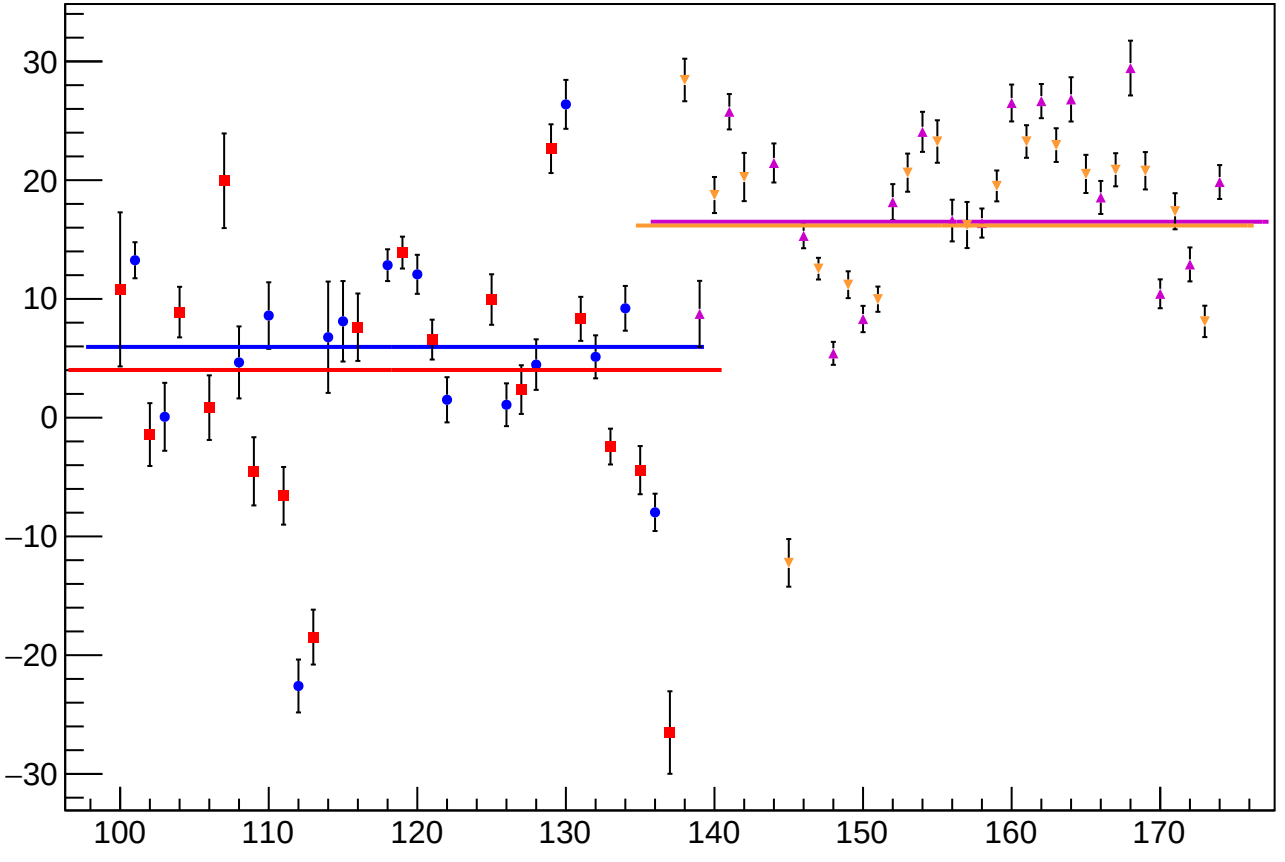
Left In: 74.694+/-0.403 χ^2/NDF:905.6/17

+ sign 80.556+/-0.310 χ^2/NDF: 4991.8/33

All: 81.303+/-0.219 χ^2/NDF: 9929.0/69

- 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: 16.181+/-0.333 χ^2/NDF:468.1/17

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

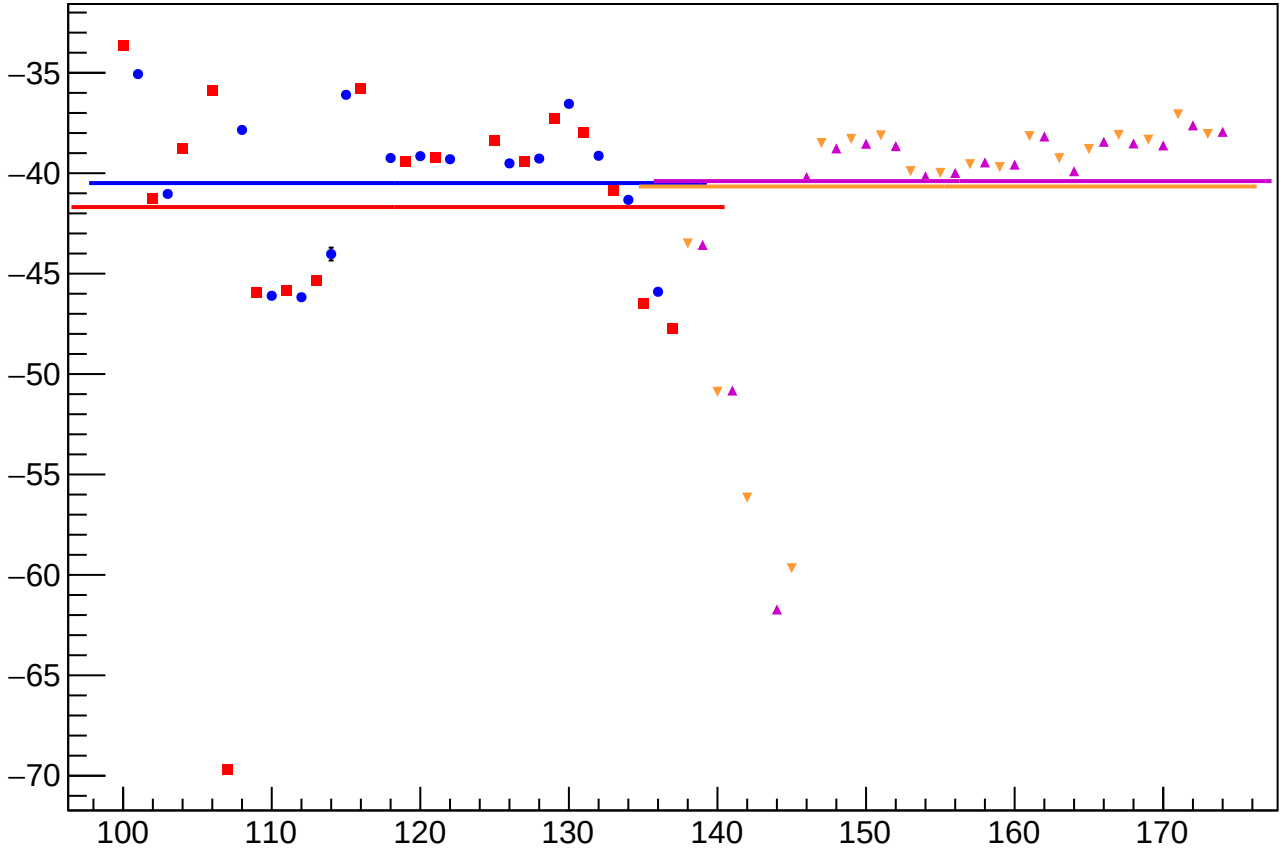
Left In: 16.498+/-0.332 χ^2/NDF:456.6/17

+ sign 12.989+/-0.276 χ^2/NDF: 1188.5/33

All: 12.886+/-0.196 χ^2/NDF: 2484.4/69

- 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: -40.661+/-0.016 χ^2/NDF:114295.6/17

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

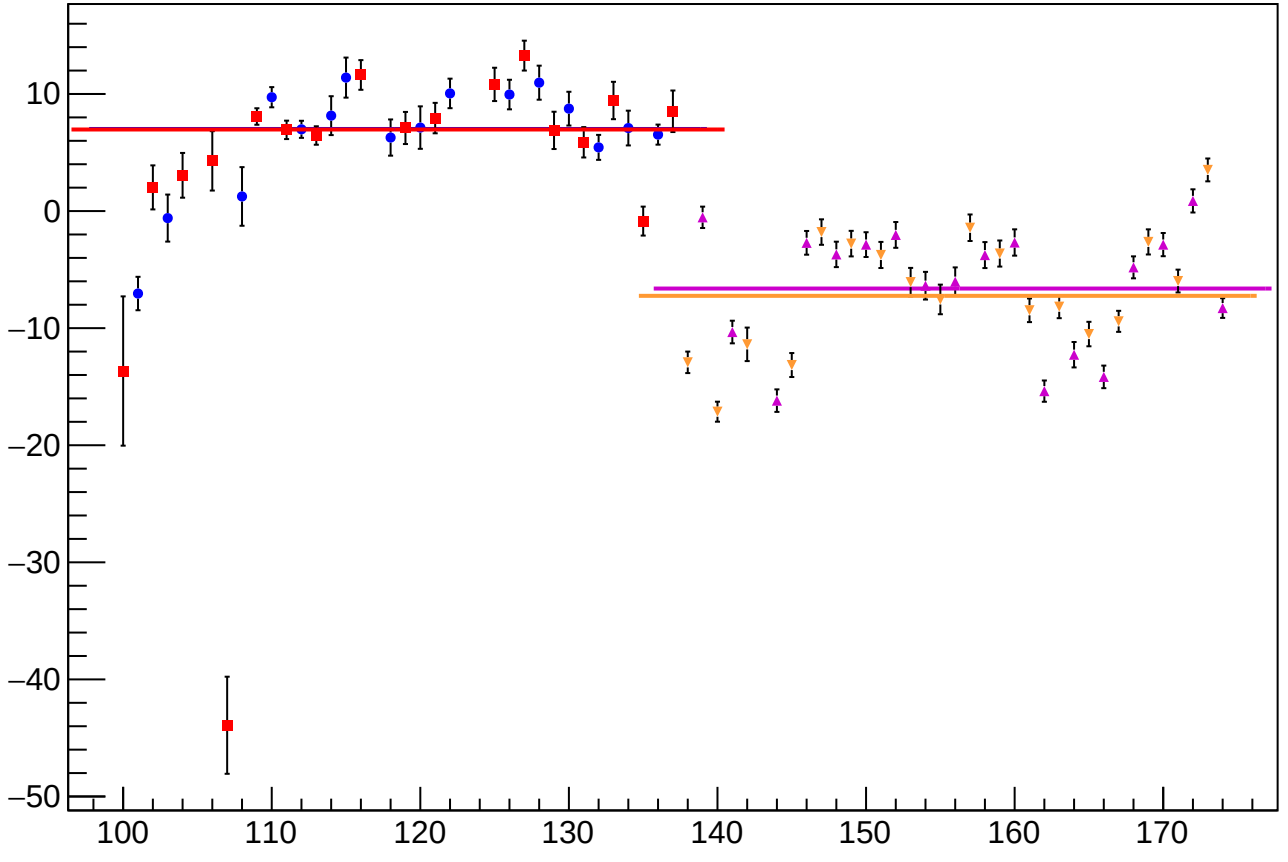
Left In: -40.392+/-0.015 χ^2/NDF:93433.2/17

+ sign -40.622+/-0.014 χ^2/NDF: 132448.8/33

All: -40.643+/-0.010 χ^2/NDF: 264270.6/69

- 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: -7.240+/-0.246 χ^2/NDF:462.8/17

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

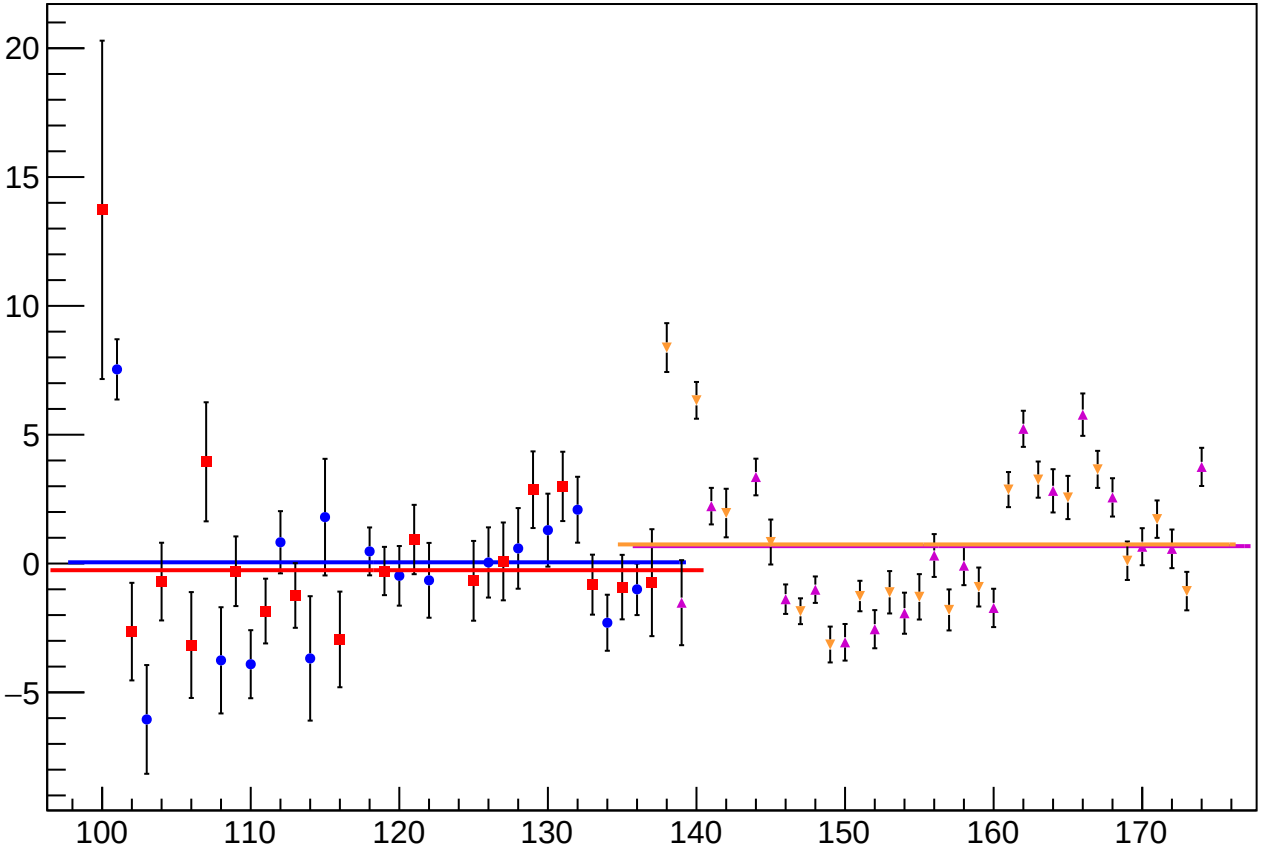
Left In: -6.617+/-0.238 χ^2/NDF:489.7/17

+ sign -1.715+/-0.193 χ^2/NDF: 1919.4/33

All: -1.512+/-0.134 χ^2/NDF: 3943.6/69

- 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: 0.742+/-0.173 χ^2/NDF:275.0/17

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

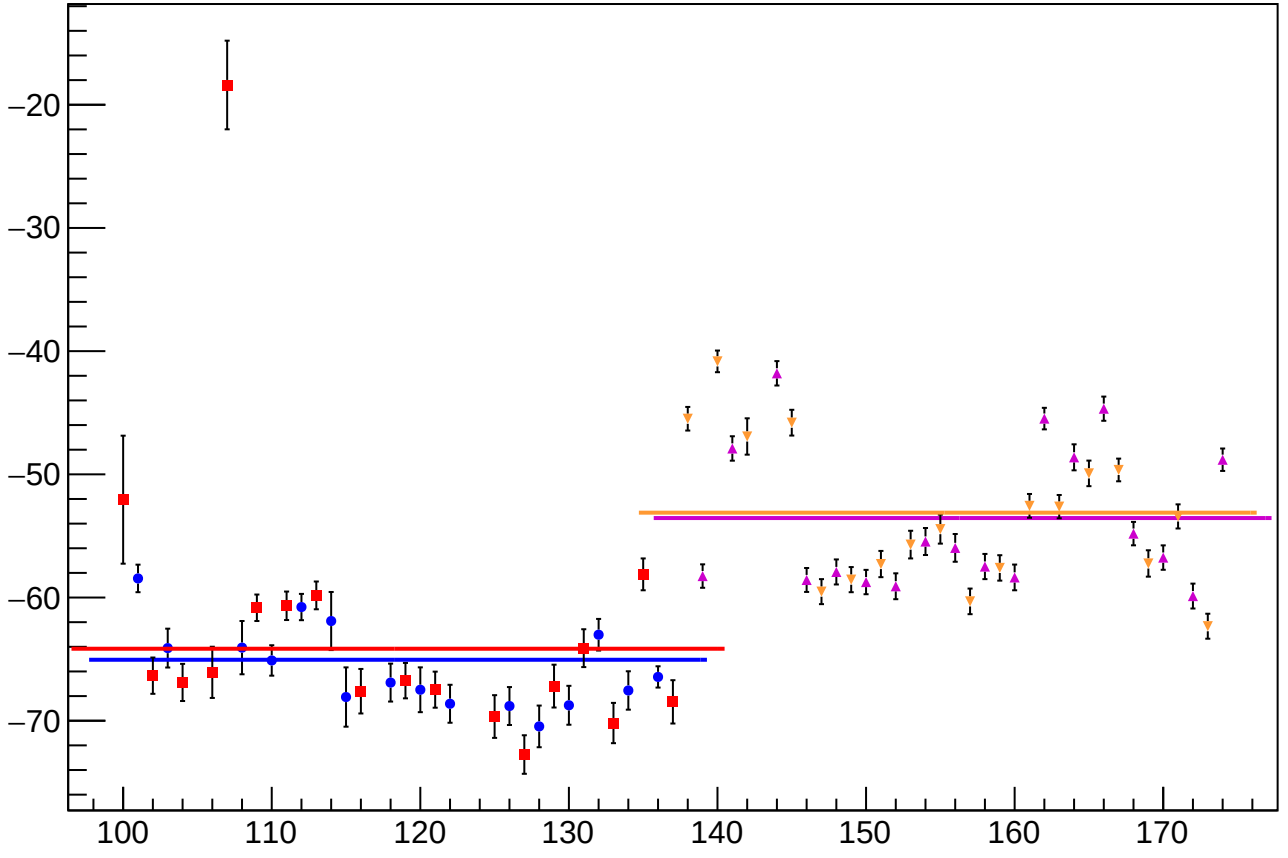
Left In: 0.675+/-0.172 χ^2/NDF:224.4/17

+ sign 0.594+/-0.153 χ^2/NDF: 353.4/33

All: 0.542+/-0.109 χ^2/NDF: 611.5/69

- 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: -53.110+/-0.242 χ^2/NDF:603.7/17

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

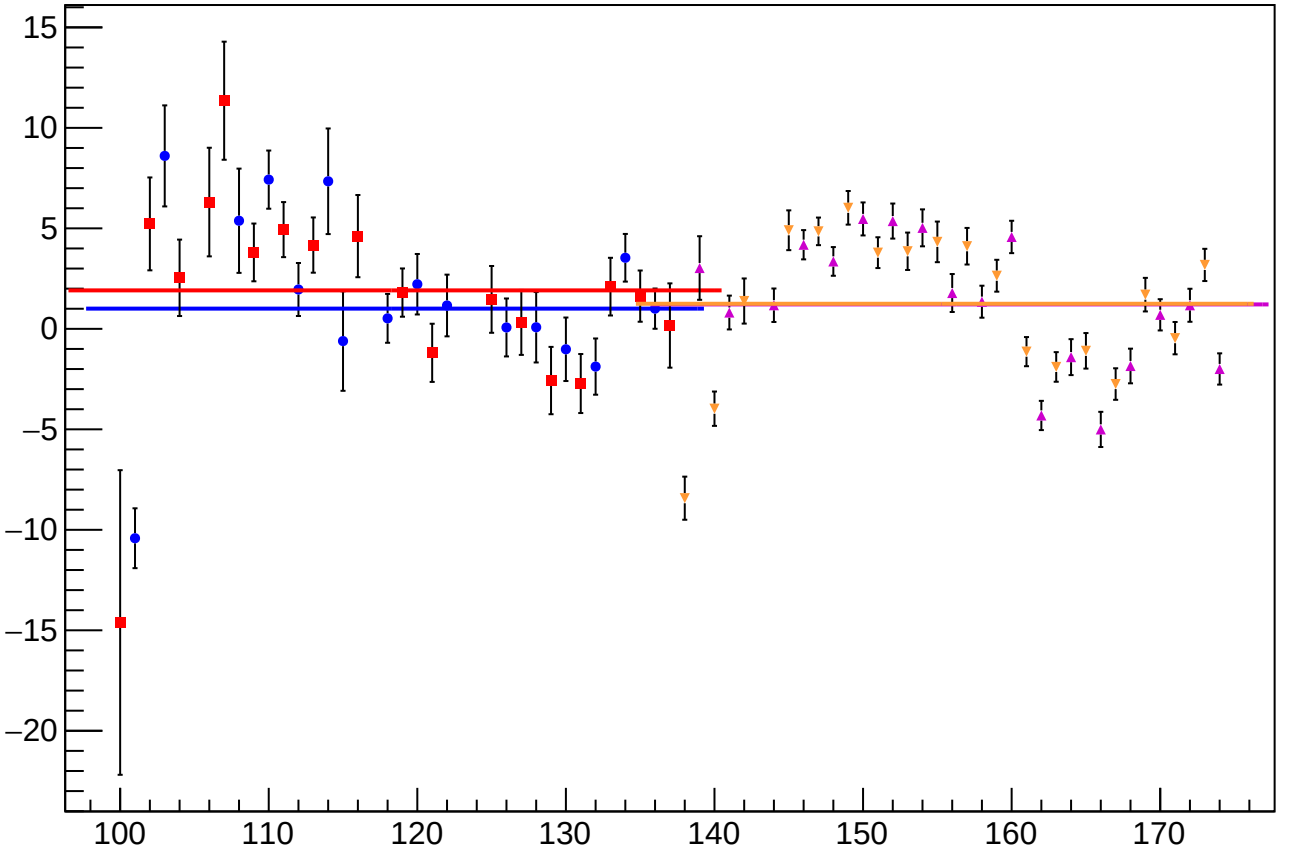
Left In: -53.548+/-0.235 χ^2/NDF:609.6/17

\+ sign -56.904+/-0.200 χ^2/NDF: 1472.8/33

All: -56.804+/-0.140 χ^2/NDF: 2994.7/69

\- 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: 1.247+/-0.198 χ^2/NDF:306.2/17

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

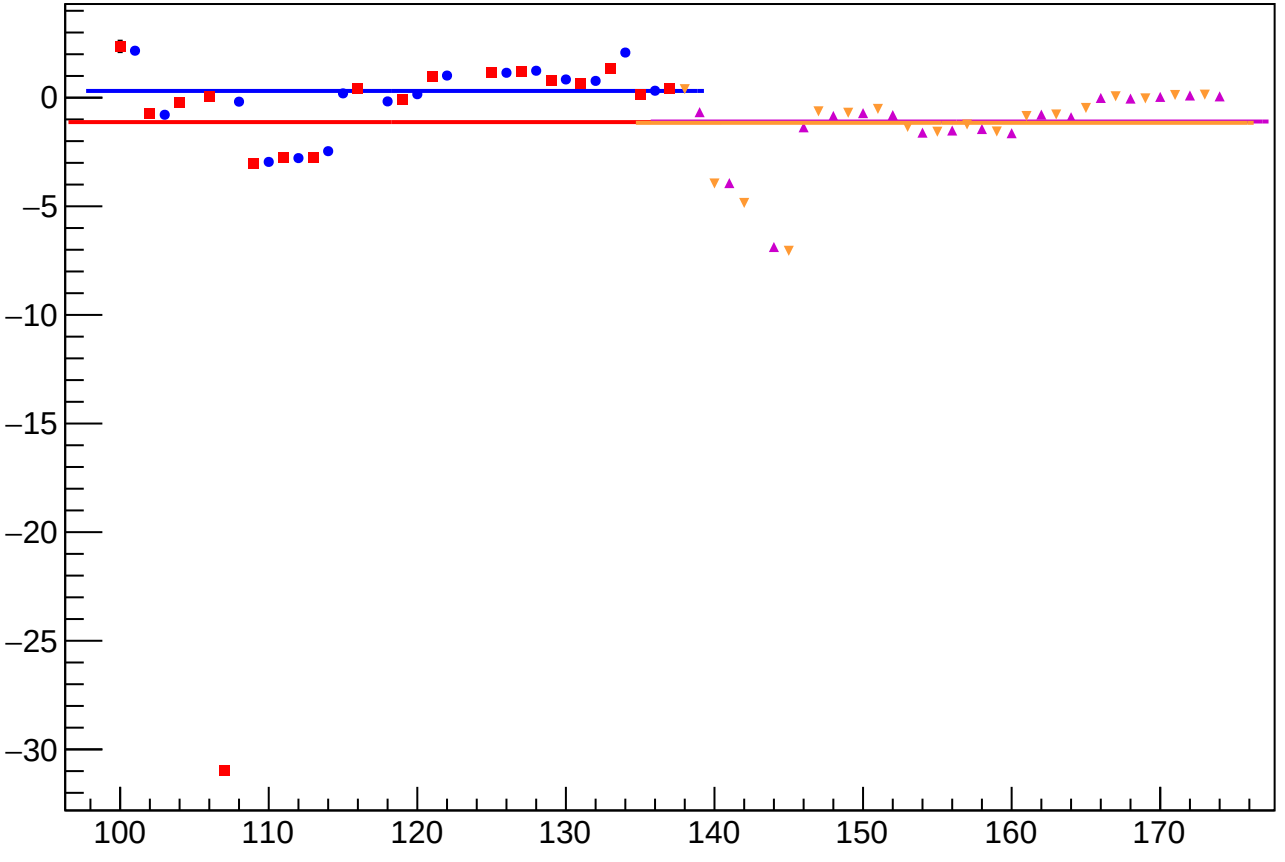
Left In: 1.215+/-0.196 χ^2/NDF:258.4/17

\+ sign 1.195+/-0.175 χ^2/NDF: 415.7/33

All: 1.276+/-0.124 χ^2/NDF: 731.7/69

\- 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: -1.157+/-0.009 χ^2/NDF:37254.0/17

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

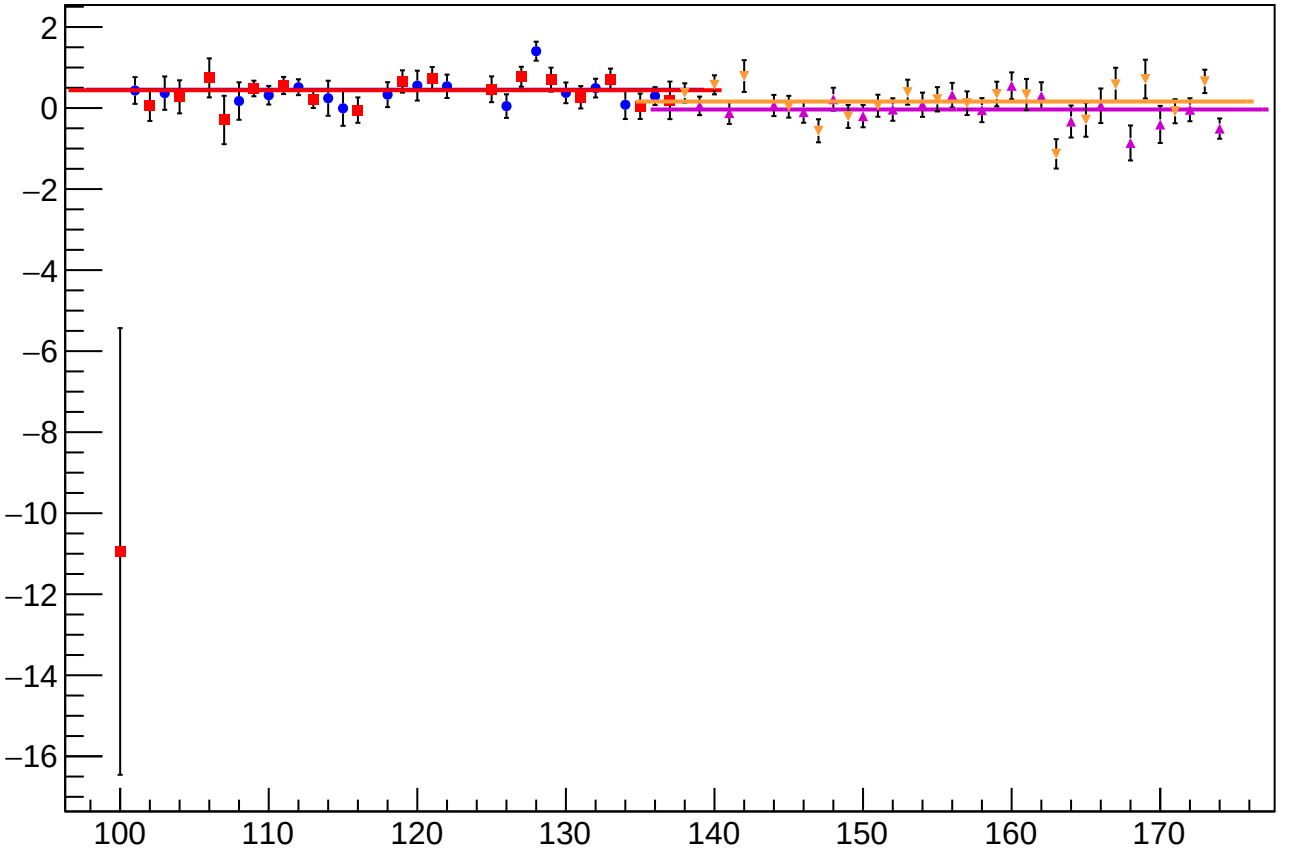
Left In: -1.097+/-0.009 χ^2/NDF:28457.4/17

+ sign -0.932+/-0.008 χ^2/NDF: 46211.6/33

All: -1.018+/-0.006 χ^2/NDF: 121230.7/69

- 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: 0.161+/-0.072 χ^2/NDF:35.9/17

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

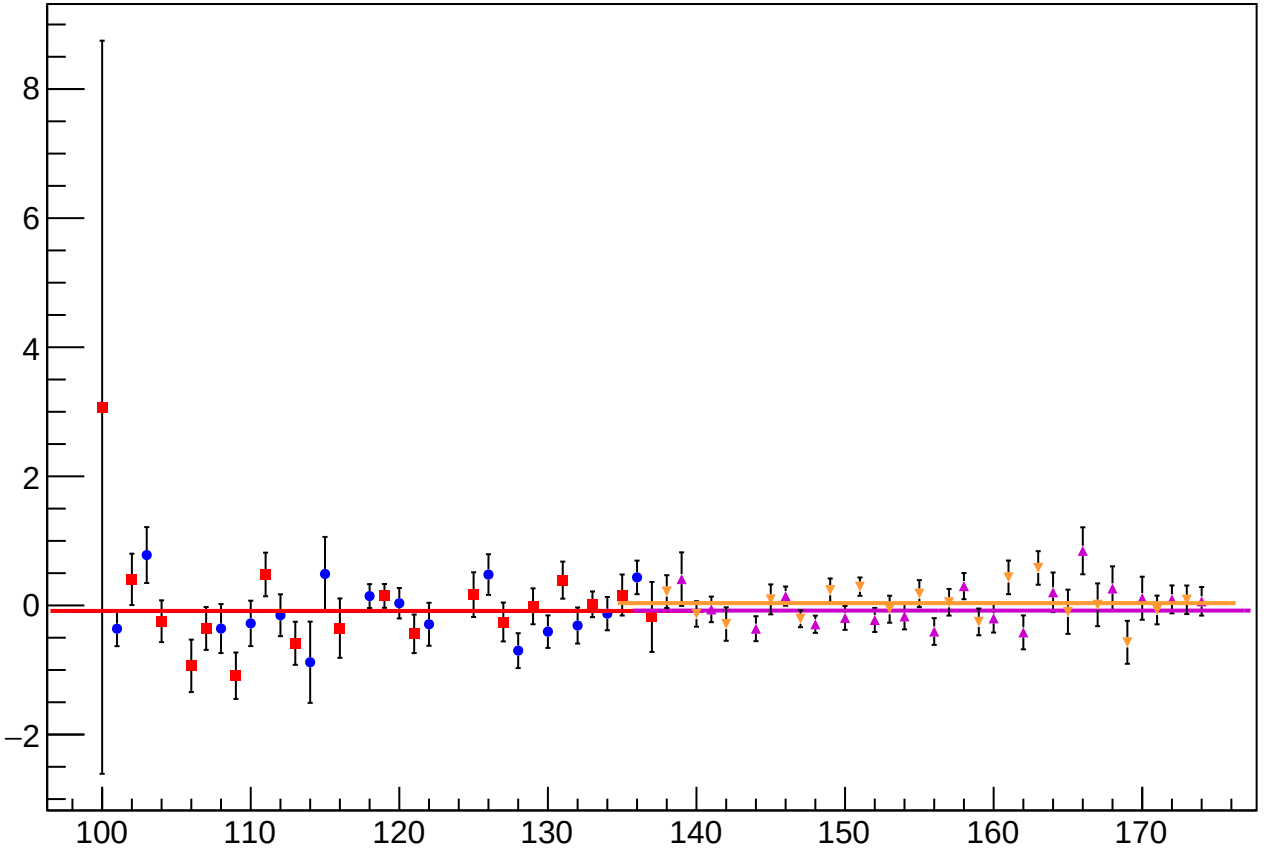
Left In: -0.036+/-0.070 χ^2/NDF:15.7/17

+ sign 0.309+/-0.051 χ^2/NDF: 66.8/33

All: 0.255+/-0.035 χ^2/NDF: 126.2/69

- 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: 0.036+/-0.050 χ^2/NDF:23.9/17

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

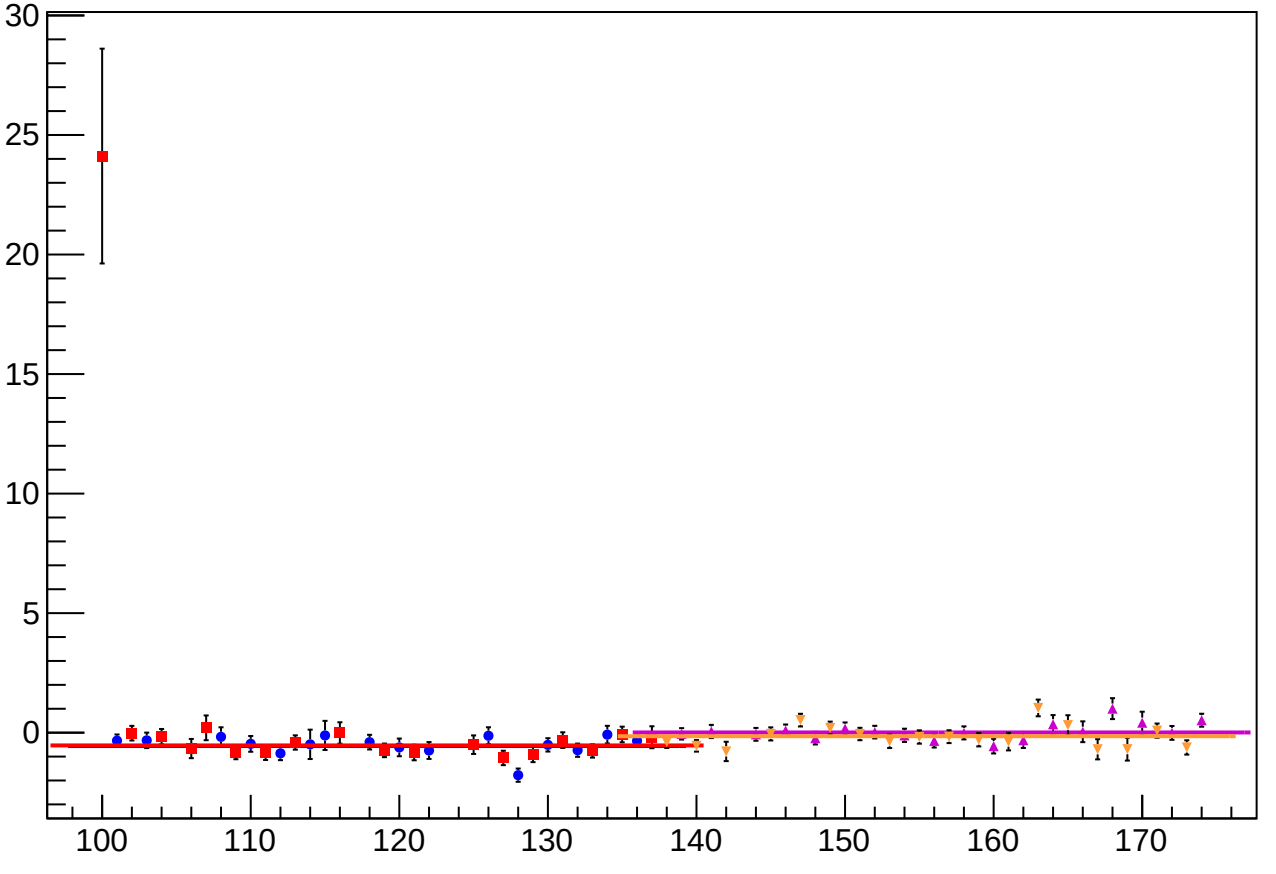
Left In: -0.080+/-0.050 χ^2/NDF:27.1/17

+ sign -0.003+/-0.041 χ^2/NDF: 51.2/33

All: -0.042+/-0.029 χ^2/NDF: 108.0/69

- 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: -0.148+/-0.071 χ^2/NDF:34.4/17

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

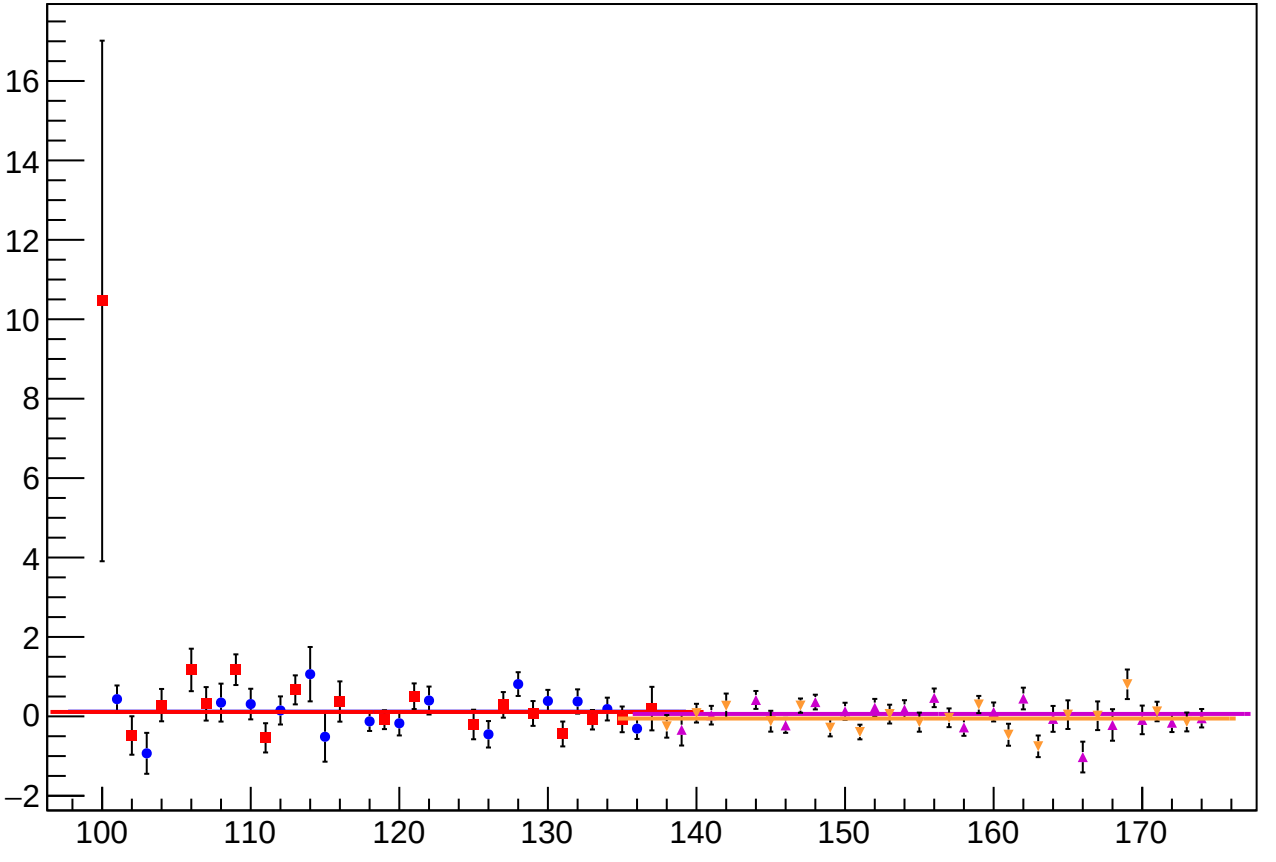
Left In: 0.009+/-0.069 χ^2/NDF:18.0/17

+ sign -0.328+/-0.053 χ^2/NDF: 77.6/33

All: -0.274+/-0.037 χ^2/NDF: 173.1/69

- 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: -0.054+/-0.058 χ^2/NDF:27.7/17

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

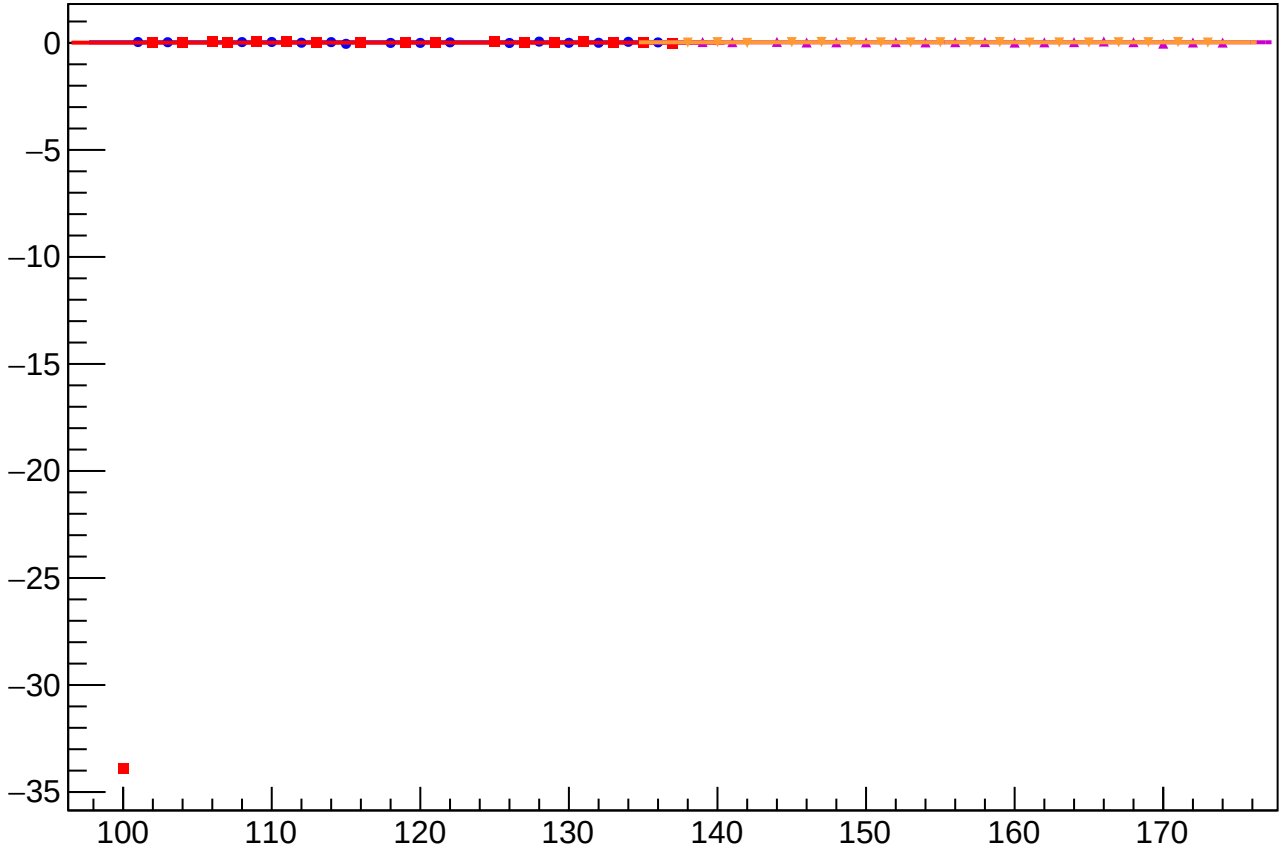
Left In: 0.061+/-0.058 χ^2/NDF:26.6/17

+ sign 0.002+/-0.048 χ^2/NDF: 54.1/33

All: 0.039+/-0.034 χ^2/NDF: 111.2/69

- 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:14.7/17

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

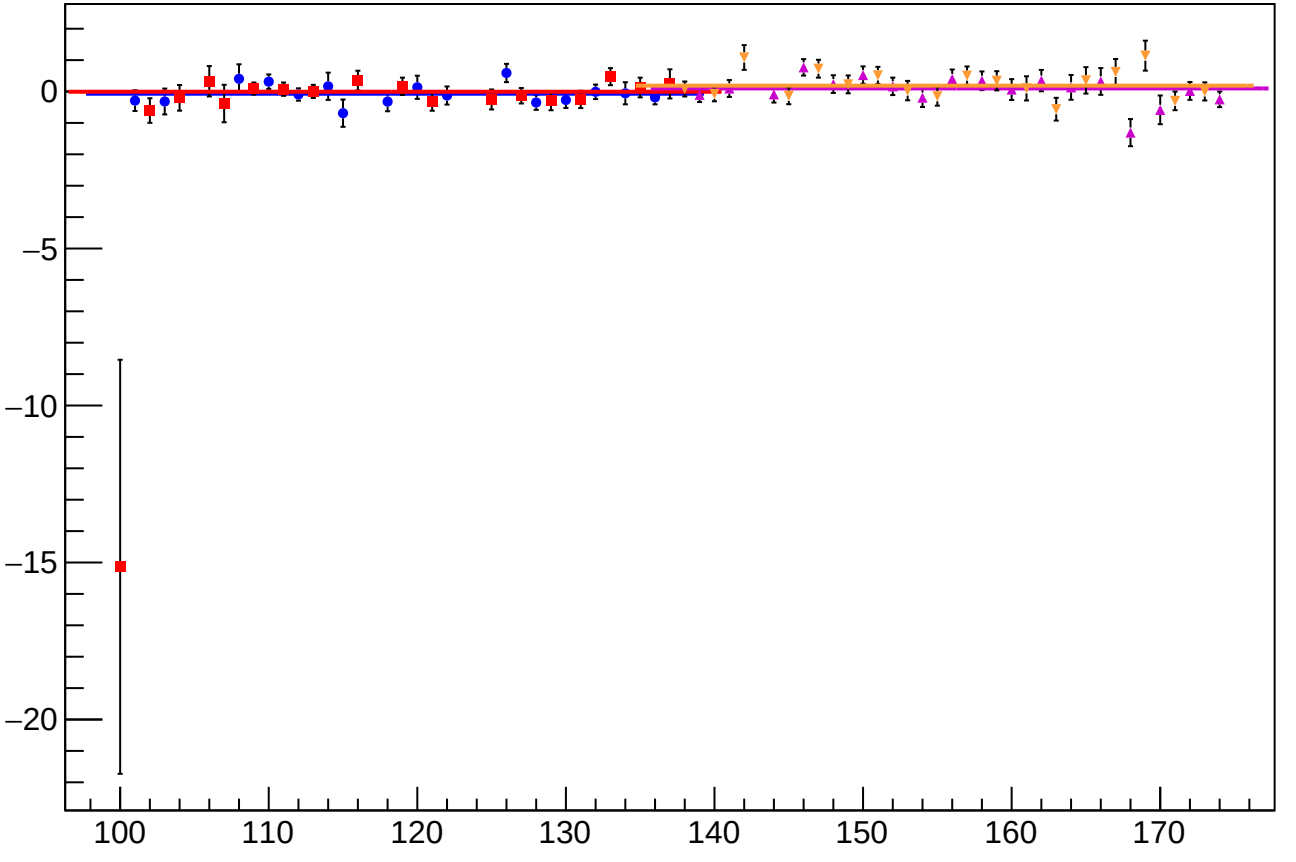
Left In: 0.029+/-0.003 χ^2/NDF:32.6/17

+ sign 0.028+/-0.002 χ^2/NDF: 29.4/33

All: 0.027+/-0.002 χ^2/NDF: 22334.9/69

- 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: 0.187+/-0.072 χ^2/NDF:28.8/17

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

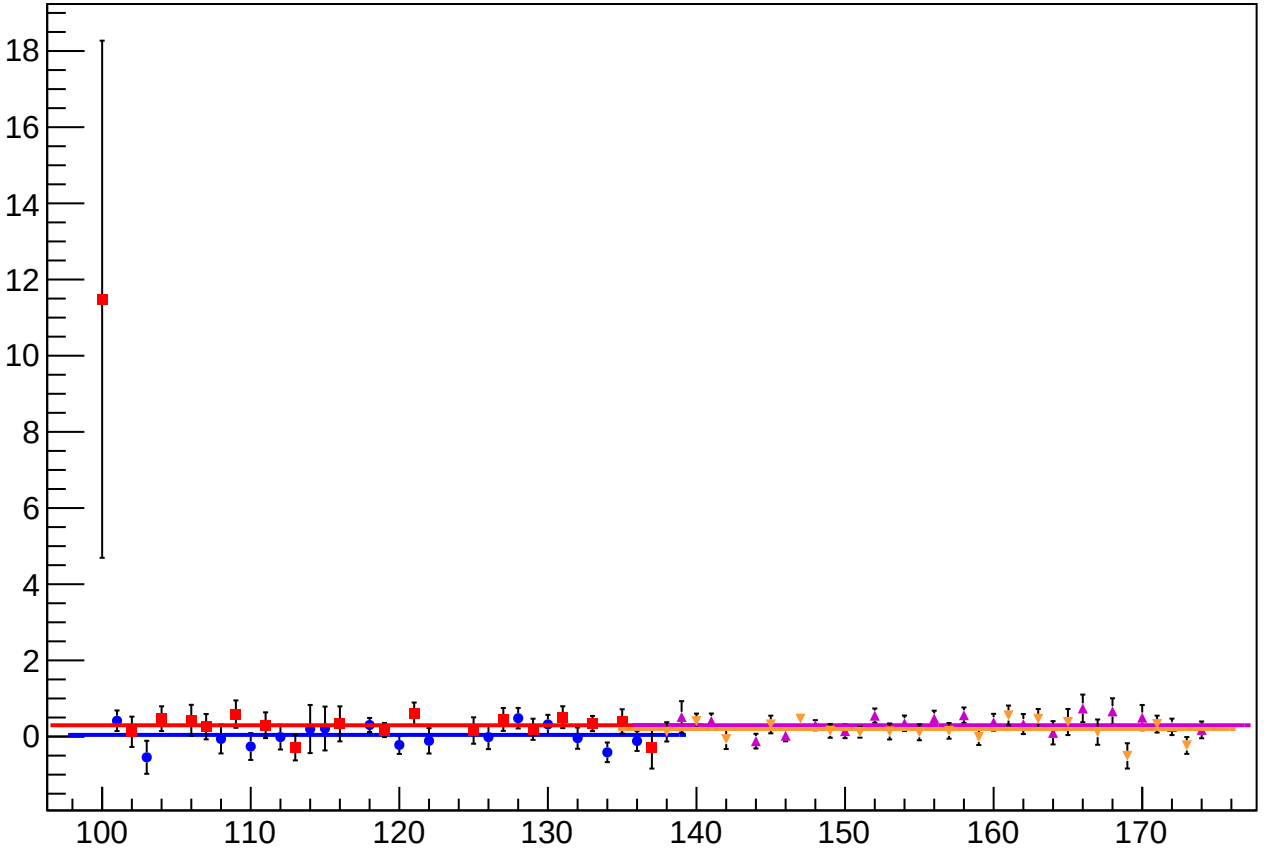
Left In: 0.098+/-0.070 χ^2/NDF:28.9/17

+ sign 0.057+/-0.051 χ^2/NDF: 50.7/33

All: 0.051+/-0.035 χ^2/NDF: 98.9/69

- 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: 0.199+/-0.050 χ^2/NDF:20.5/17

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

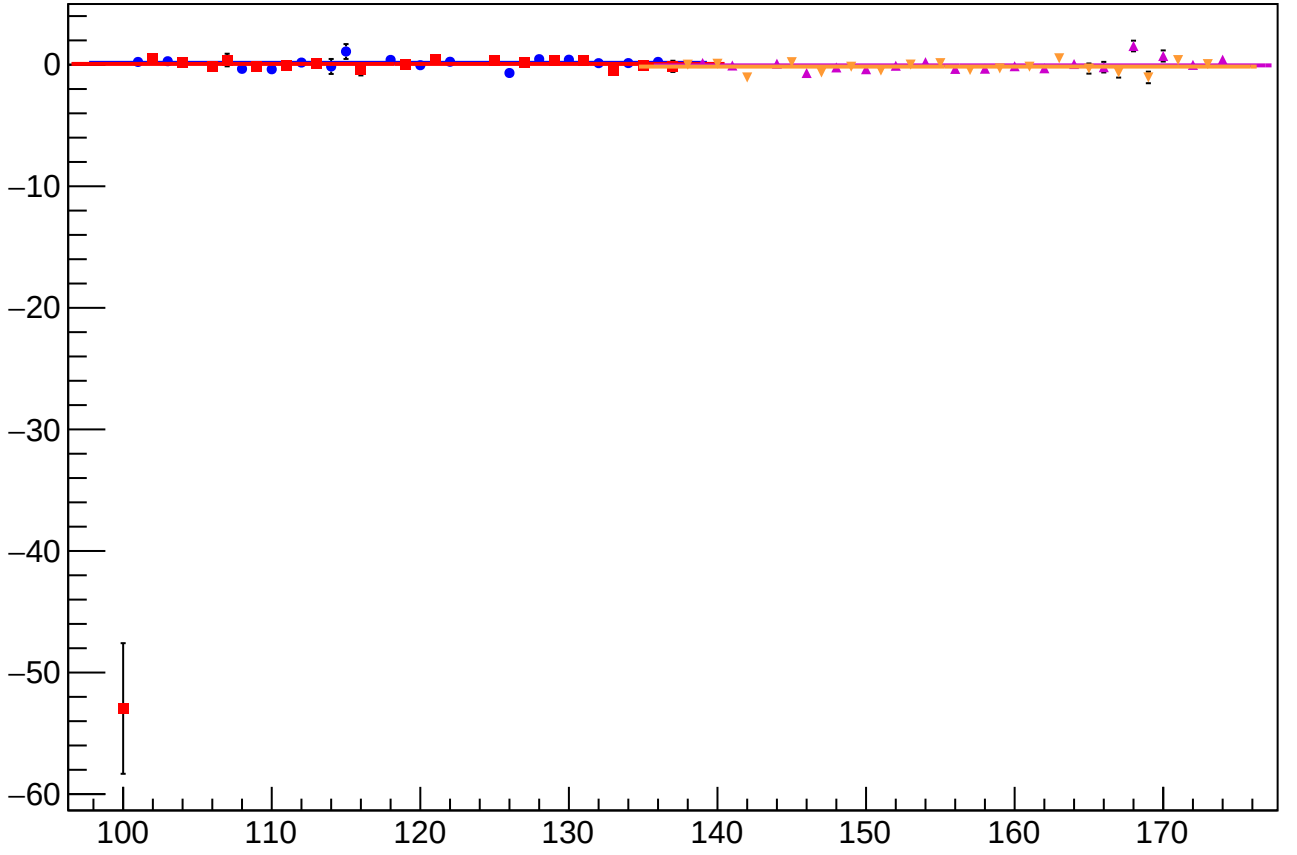
Left In: 0.297+/-0.050 χ^2/NDF:17.5/17

+ sign 0.150+/-0.041 χ^2/NDF: 39.3/33

All: 0.223+/-0.029 χ^2/NDF: 74.1/69

- 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: -0.155+/-0.071 χ^2/NDF:27.9/17

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

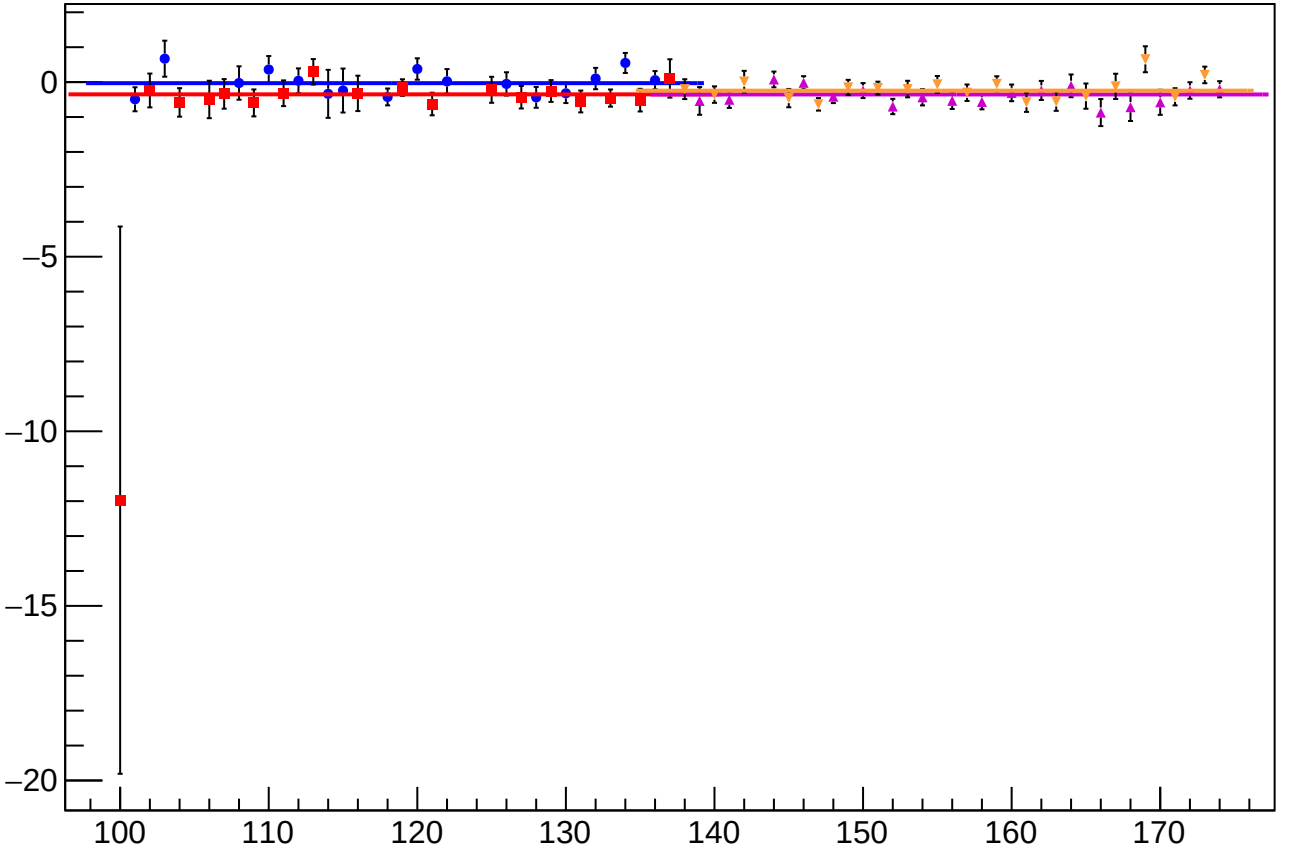
Left In: -0.055+/-0.069 χ^2/NDF:31.9/17

\+ sign -0.019+/-0.053 χ^2/NDF: 51.9/33

All: -0.012+/-0.037 χ^2/NDF: 194.5/69

\- 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: -0.245+/-0.058 χ^2/NDF:21.2/17

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

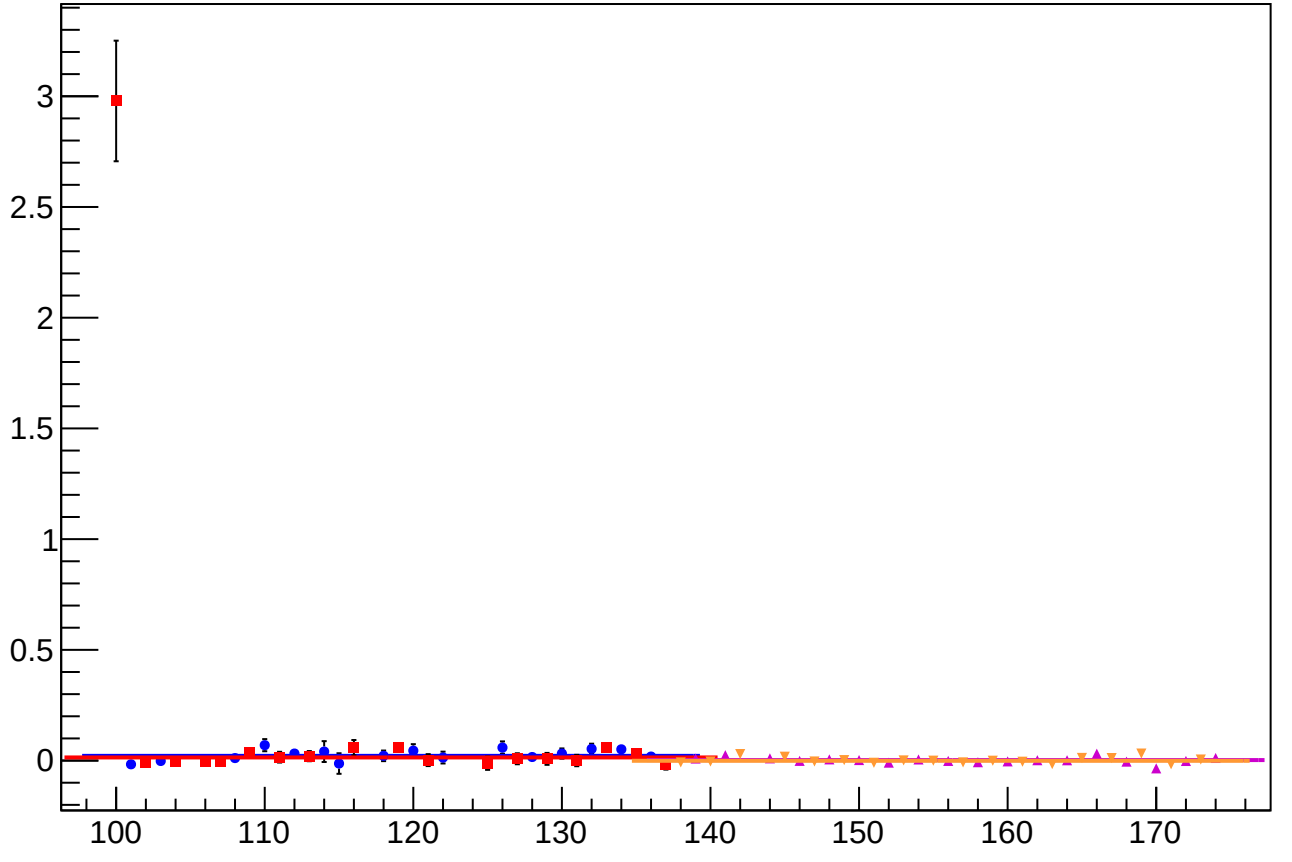
Left In: -0.354+/-0.058 χ^2/NDF:16.4/17

+ sign -0.175+/-0.048 χ^2/NDF: 42.4/33

All: -0.264+/-0.034 χ^2/NDF: 75.1/69

- 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:17.9/17

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

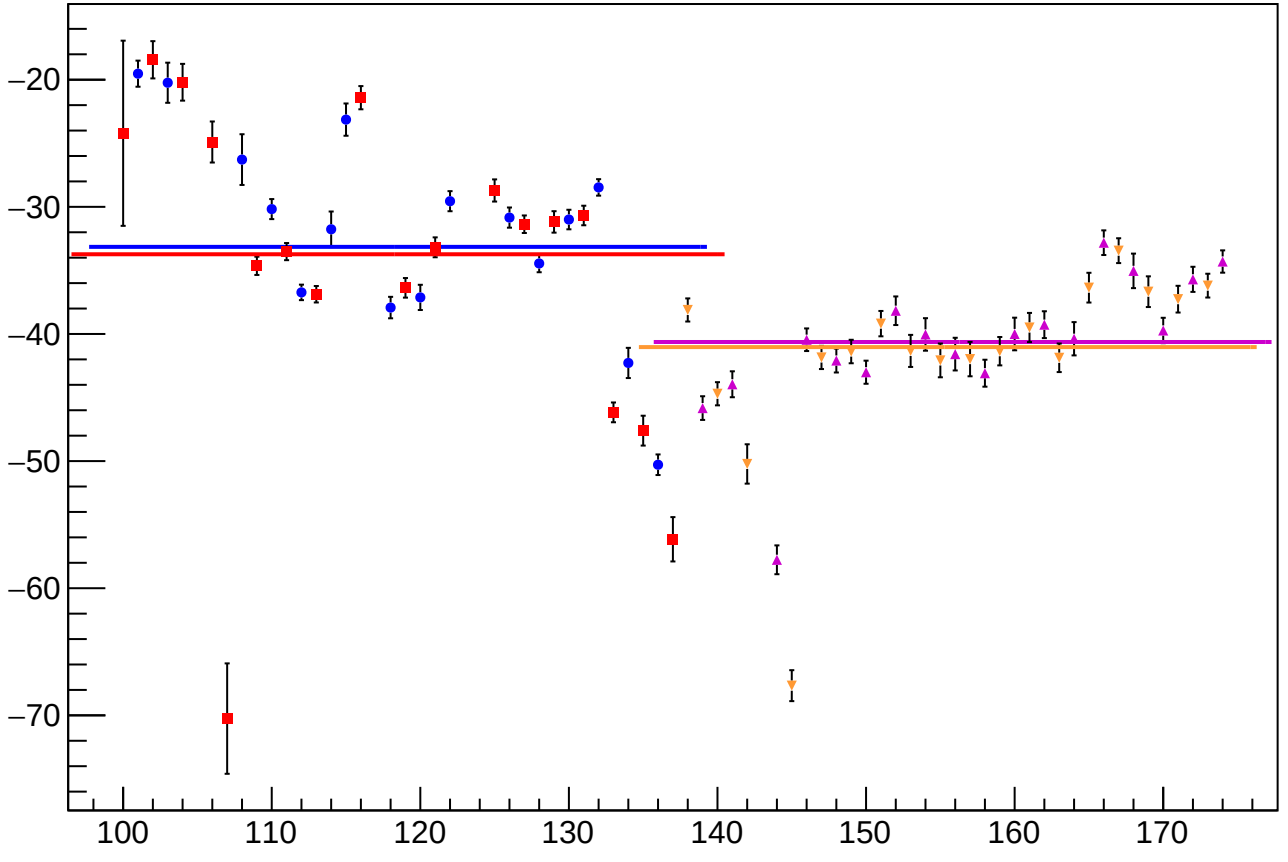
Left In: 0.002+/-0.003 χ^2/NDF:17.9/17

+ sign 0.004+/-0.002 χ^2/NDF: 56.8/33

All: 0.004+/-0.002 χ^2/NDF: 220.3/69

- 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: -41.032+/-0.254 χ^2/NDF:677.1/17

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

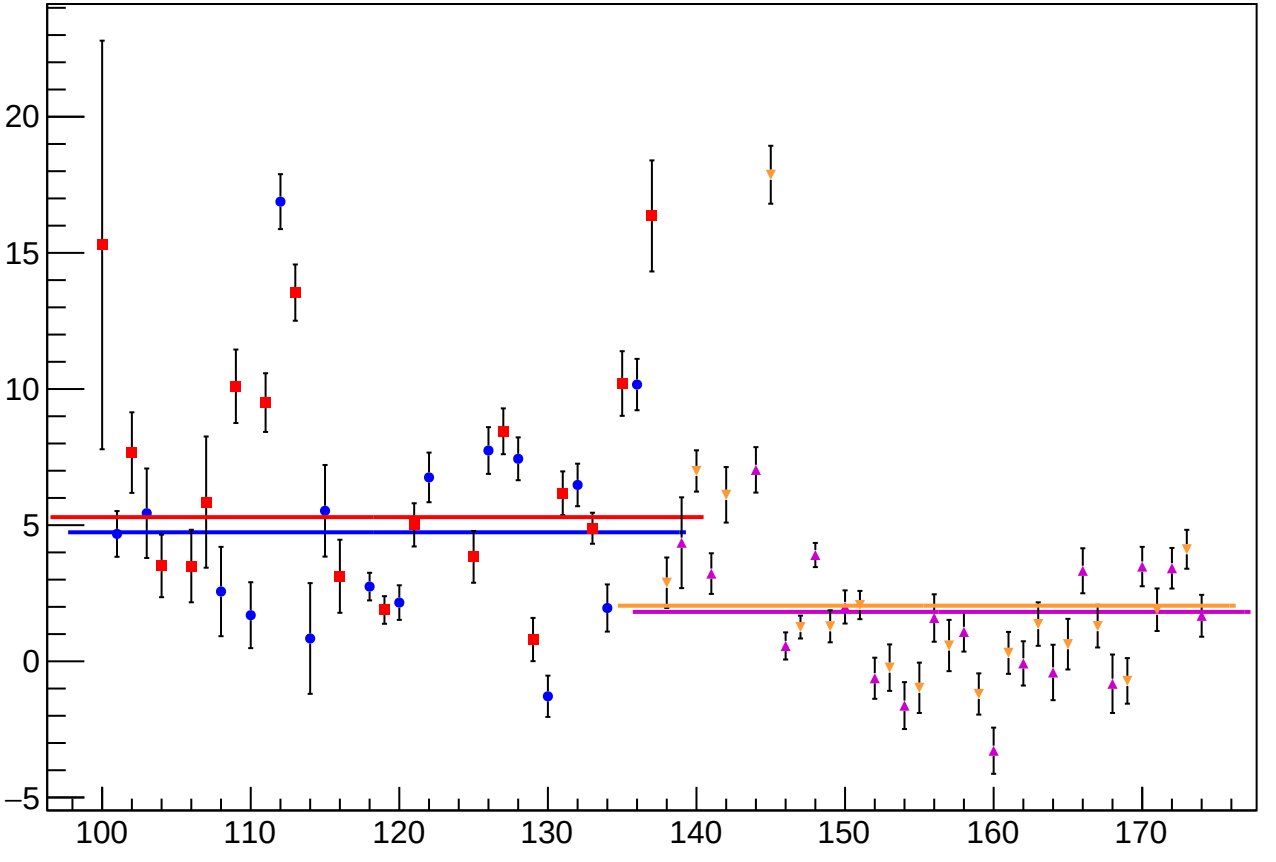
Left In: -40.631+/-0.247 χ^2/NDF:451.9/17

+ sign -36.491+/-0.165 χ^2/NDF: 2245.8/33

All: -36.600+/-0.116 χ^2/NDF: 4291.8/69

- 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: 2.043+/-0.173 χ^2/NDF:352.6/17

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

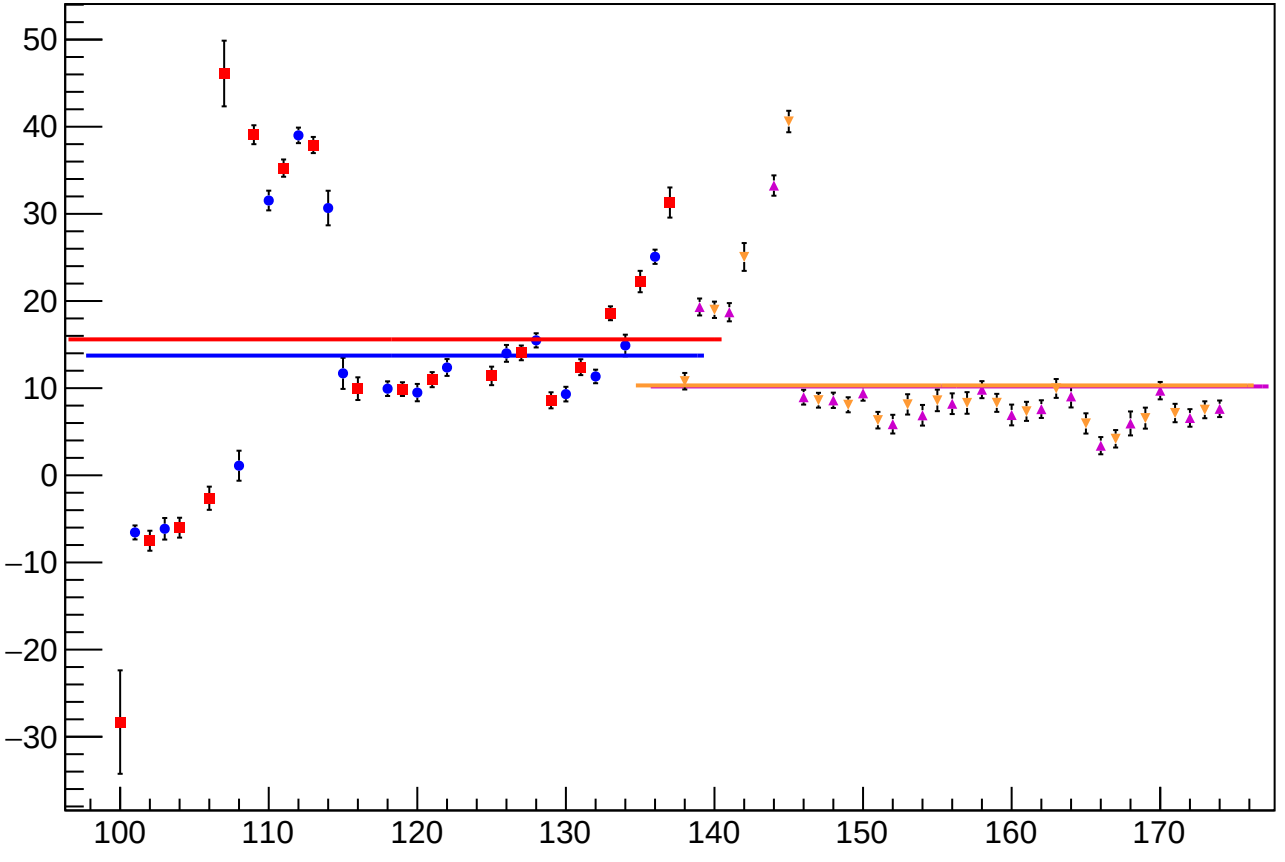
Left In: 1.815+/-0.173 χ^2/NDF:166.6/17

+ sign 3.075+/-0.136 χ^2/NDF: 775.5/33

All: 3.099+/-0.096 χ^2/NDF: 1338.8/69

- 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: 10.313+/-0.249 χ^2/NDF:901.1/17

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

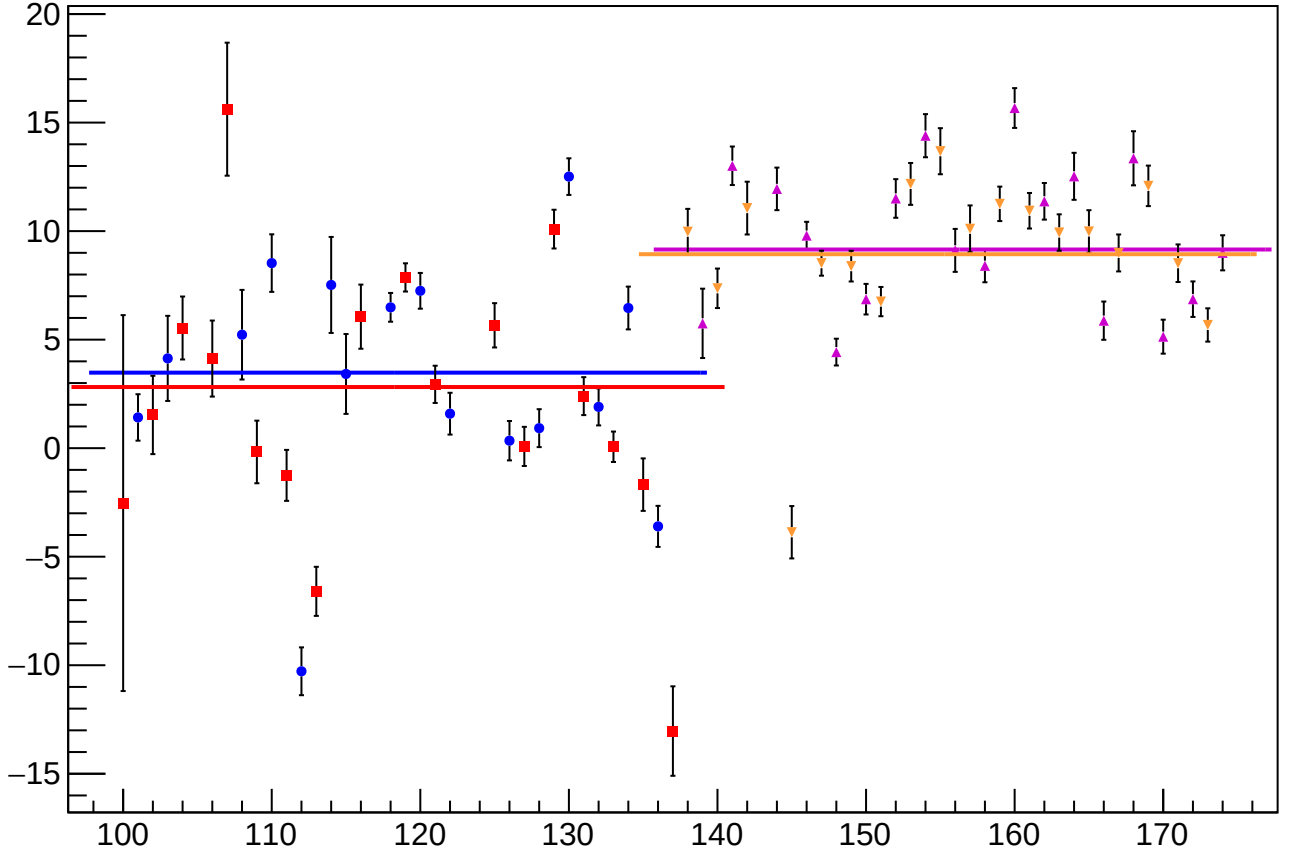
Left In: 10.197+/-0.242 χ^2/NDF:669.8/17

\+ sign 12.039+/-0.175 χ^2/NDF: 3346.5/33

All: 12.428+/-0.123 χ^2/NDF: 7093.2/69

\- 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: 8.937+/-0.202 χ^2/NDF:210.6/17

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

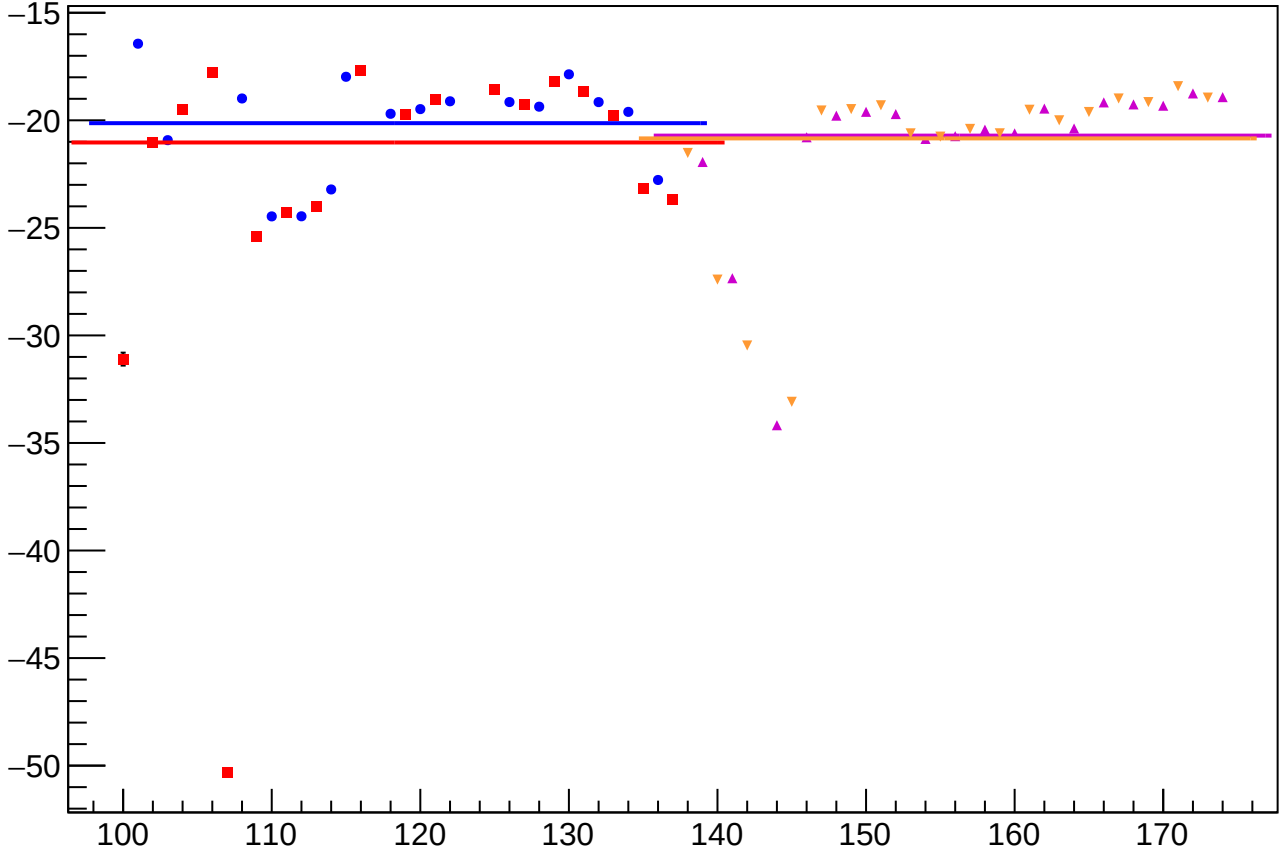
Left In: 9.153+/-0.200 χ^2/NDF:264.1/17

\+ sign 6.825+/-0.158 χ^2/NDF: 922.0/33

All: 6.792+/-0.112 χ^2/NDF: 1908.8/69

\- 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: -20.841+/-0.009 χ^2/NDF:128892.7/17

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

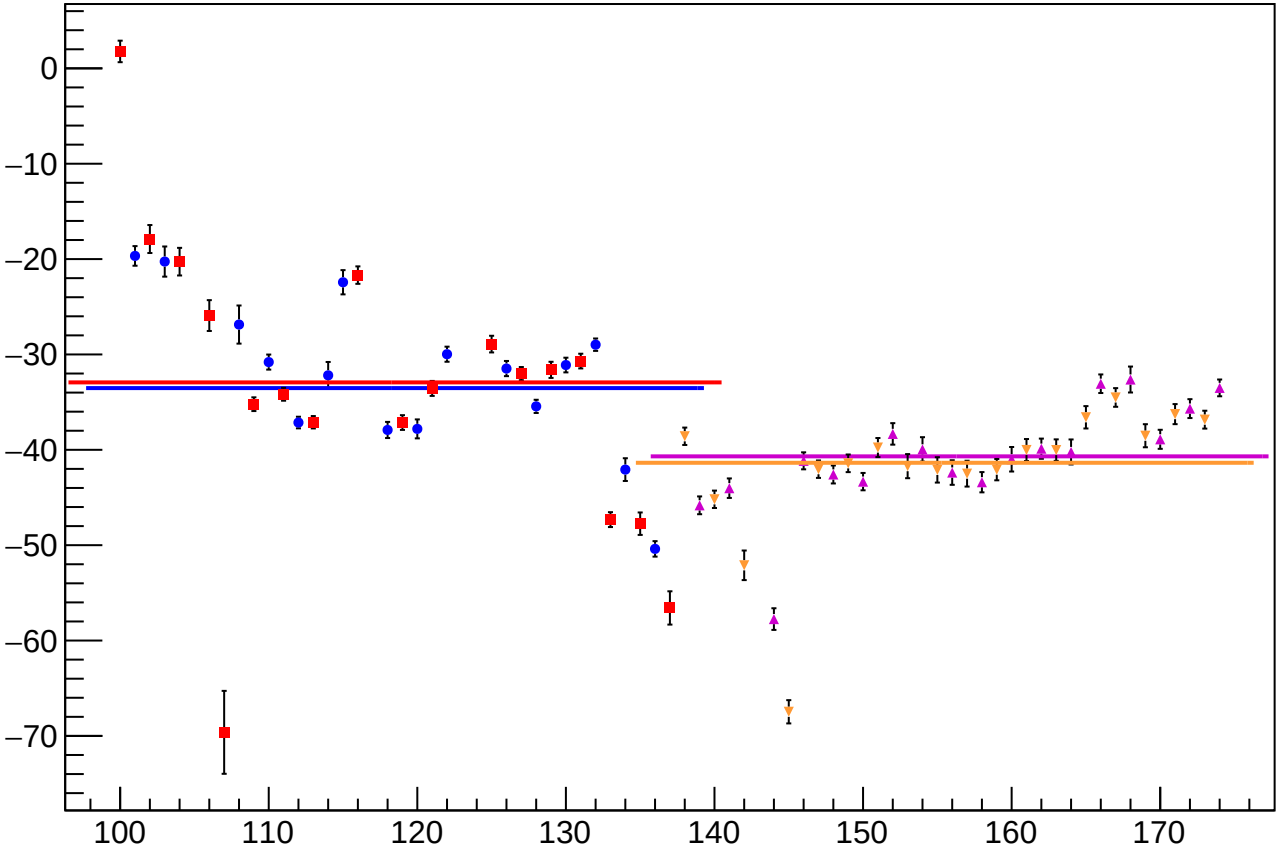
Left In: -20.712+/-0.009 χ^2/NDF:104959.9/17

+ sign -20.662+/-0.008 χ^2/NDF: 150184.6/33

All: -20.725+/-0.006 χ^2/NDF: 313076.3/69

- 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: -41.359+/-0.255 χ^2/NDF:658.1/17

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

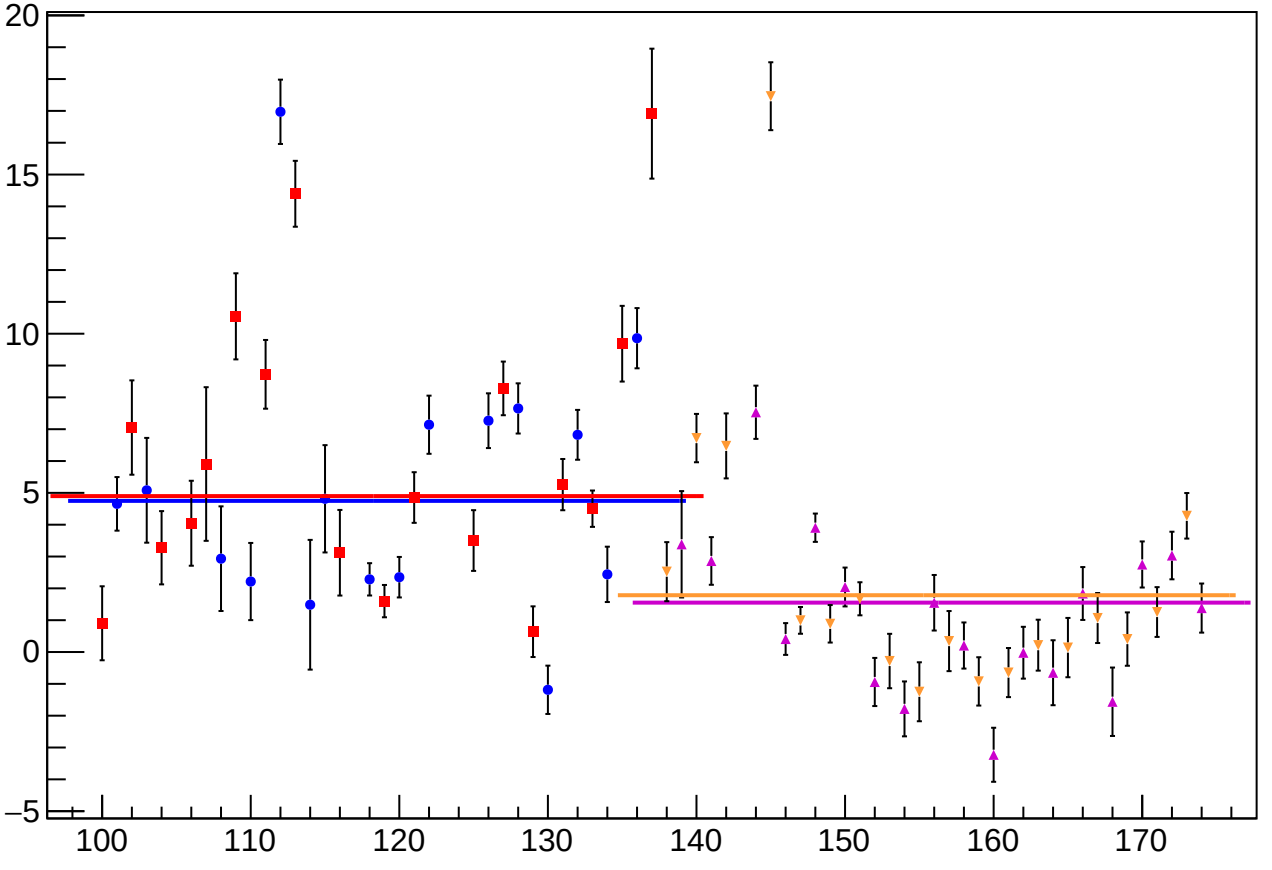
Left In: -40.686+/-0.247 χ^2/NDF:484.9/17

+ sign -36.850+/-0.166 χ^2/NDF: 2211.9/33

All: -36.520+/-0.115 χ^2/NDF: 5442.4/69

- 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: 1.784+/-0.173 χ^2/NDF:350.6/17

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

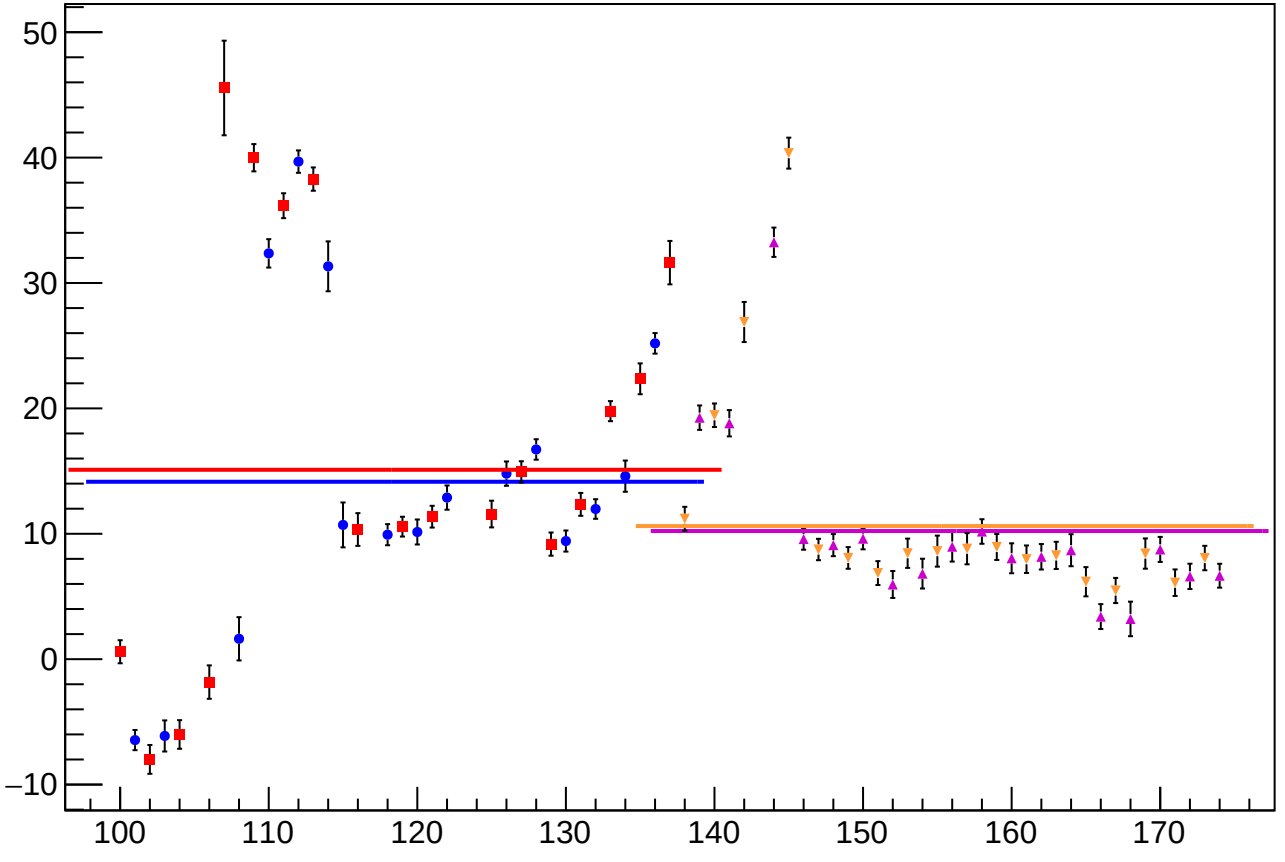
Left In: 1.552+/-0.174 χ^2/NDF:173.9/17

\+ sign 2.919+/-0.136 χ^2/NDF: 788.6/33

All: 2.878+/-0.096 χ^2/NDF: 1378.5/69

\- 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: 10.616+/-0.249 χ^2/NDF:891.8/17

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

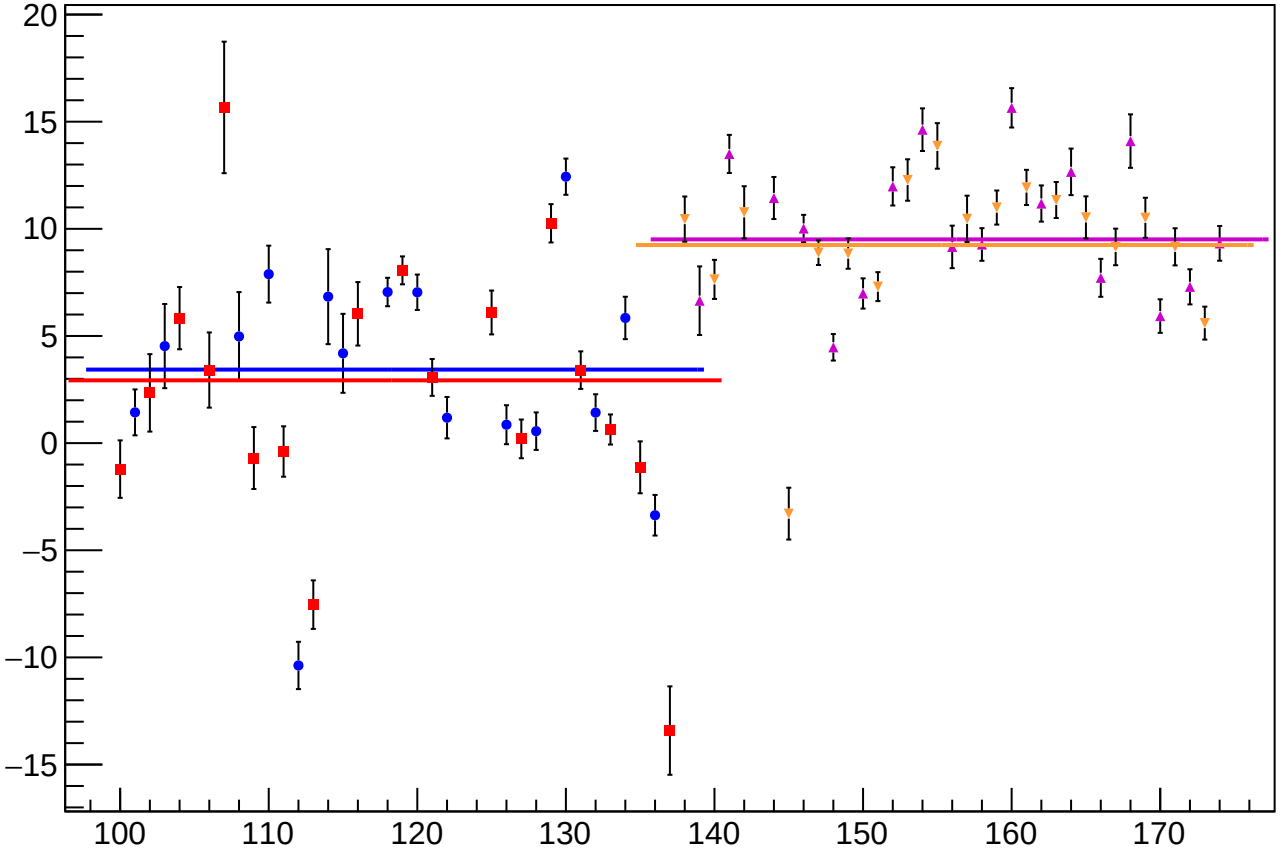
Left In: 10.220+/-0.243 χ^2/NDF:680.2/17

+ sign 12.395+/-0.175 χ^2/NDF: 3395.5/33

All: 12.536+/-0.123 χ^2/NDF: 7382.2/69

- 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: 9.244+/-0.202 χ^2/NDF:200.4/17

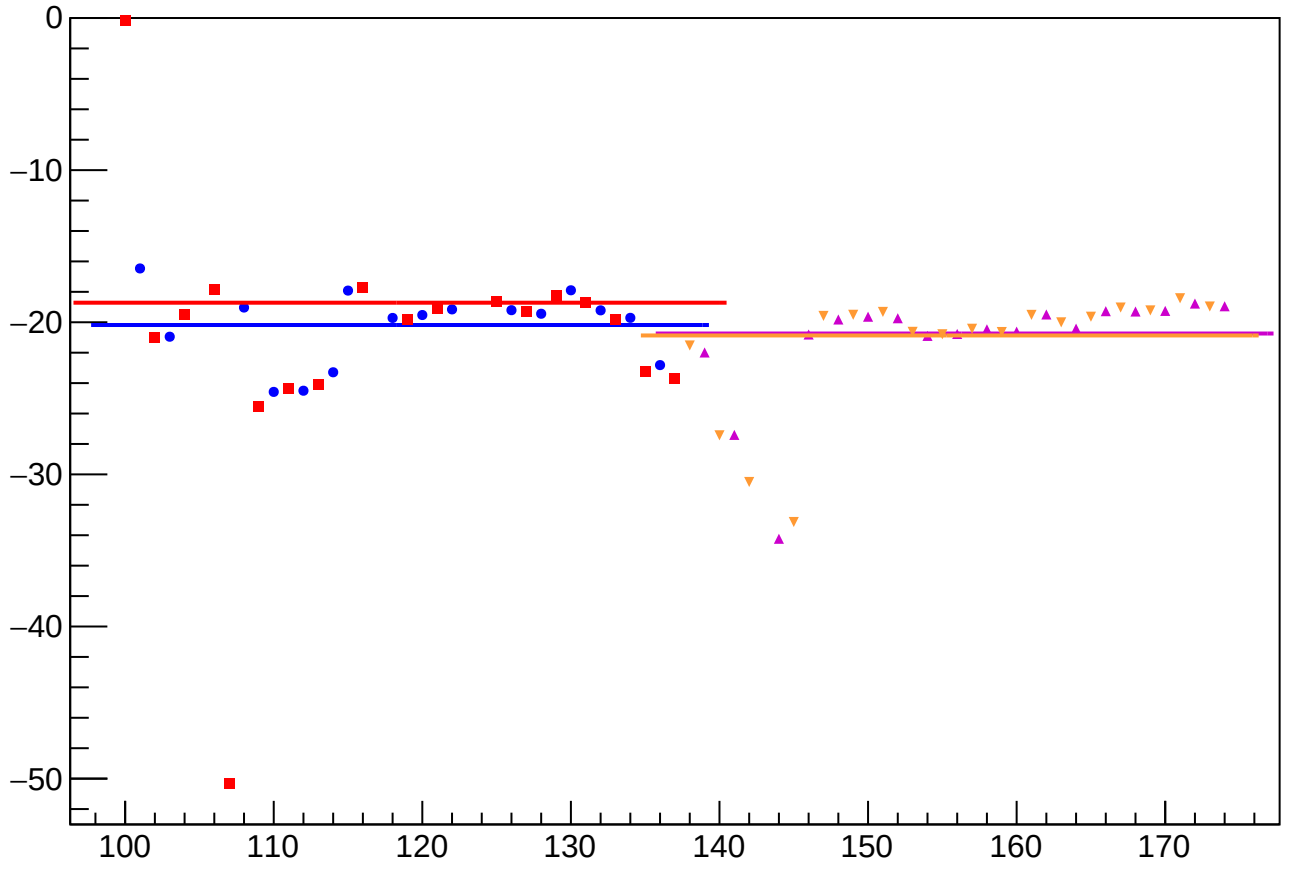
Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.507+/-0.201 χ^2/NDF:244.1/17

+ sign 6.996+/-0.158 χ^2/NDF: 944.9/33

All: 6.982+/-0.112 χ^2/NDF: 1970.8/69

- sign 6.968+/-0.157 χ^2/NDF: 1025.9/35



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.867+/-0.009 χ^2/NDF:128606.2/17

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

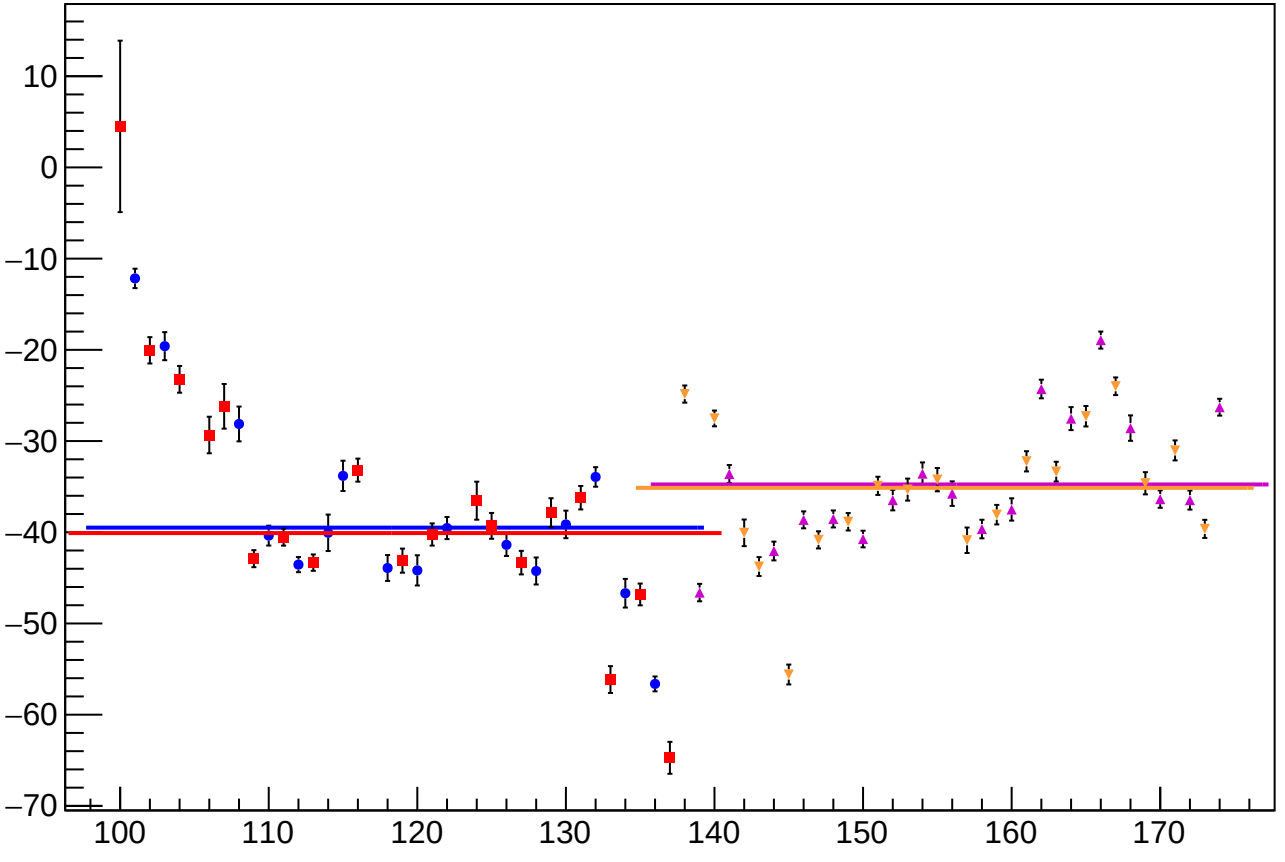
Left In: -20.740+/-0.009 χ^2/NDF:105250.1/17

+ sign -20.694+/-0.008 χ^2/NDF: 149831.8/33

All: -20.454+/-0.006 χ^2/NDF: 504129.6/69

- 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: -35.129+/-0.245 χ^2/NDF:933.8/18

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

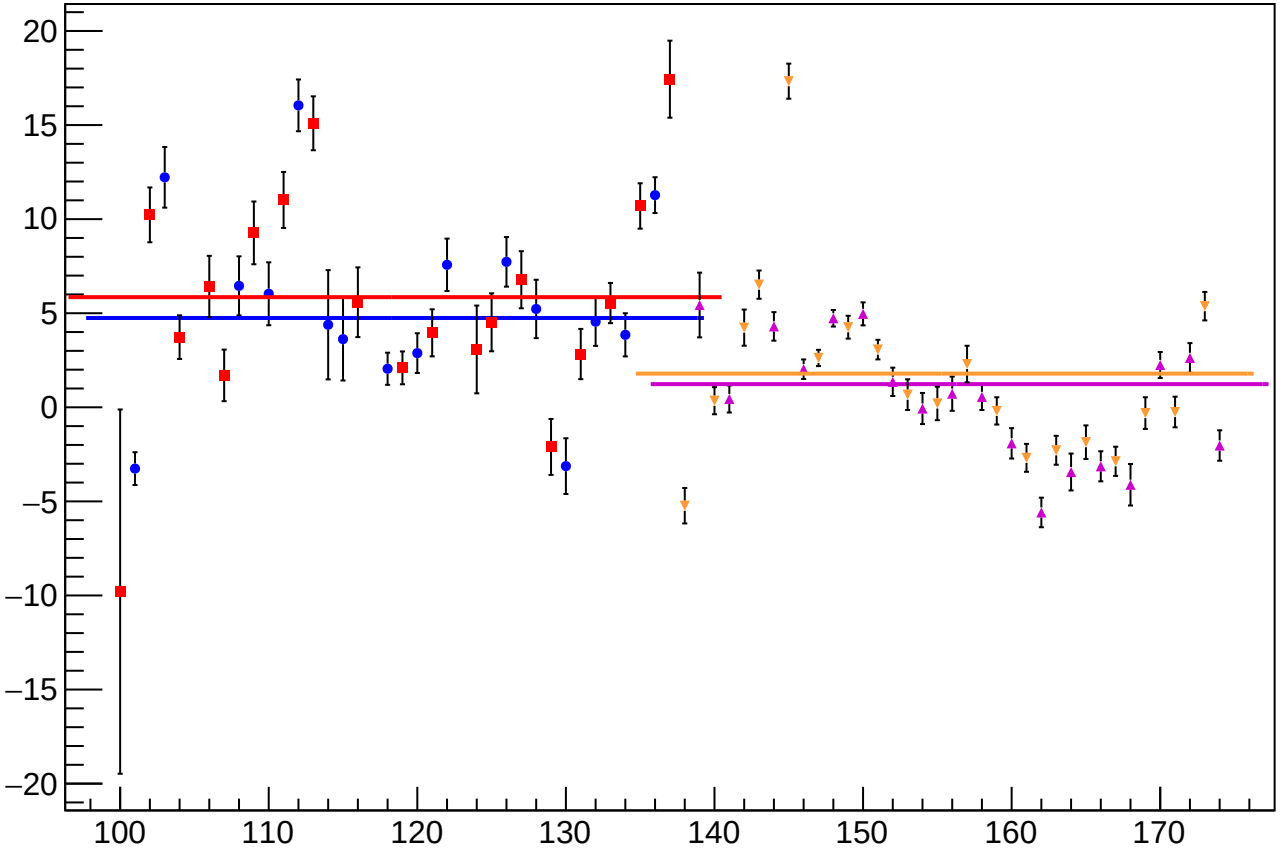
Left In: -34.760+/-0.245 χ^2/NDF:847.1/17

+ sign -36.801+/-0.192 χ^2/NDF: 2472.6/34

All: -36.817+/-0.136 χ^2/NDF: 4338.7/71

- 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: 1.790+/-0.168 χ^2/NDF:574.9/18

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

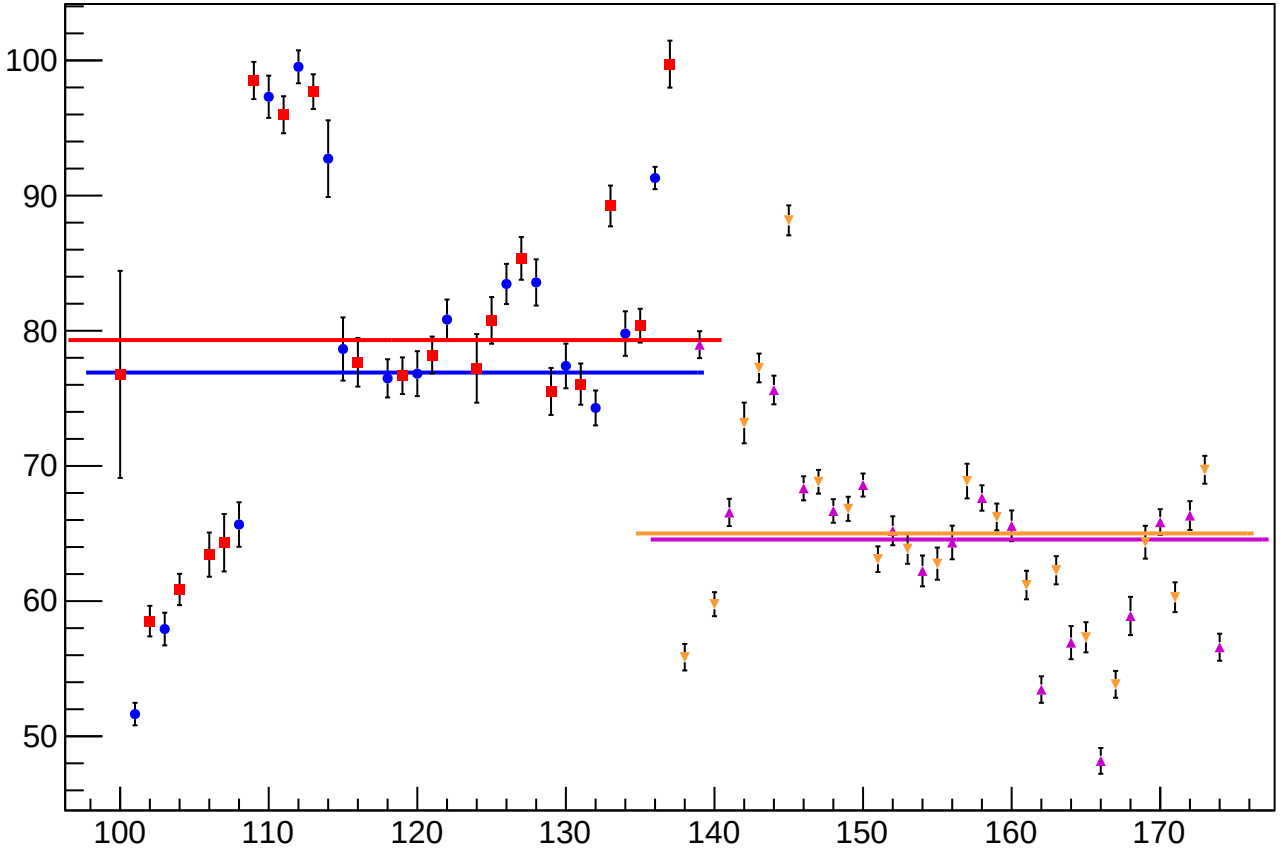
Left In: 1.231+/-0.172 χ^2/NDF:318.4/17

+ sign 2.439+/-0.148 χ^2/NDF: 917.1/34

All: 2.345+/-0.106 χ^2/NDF: 1583.0/71

- 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: 65.007+/-0.240 χ^2/NDF:996.0/18

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

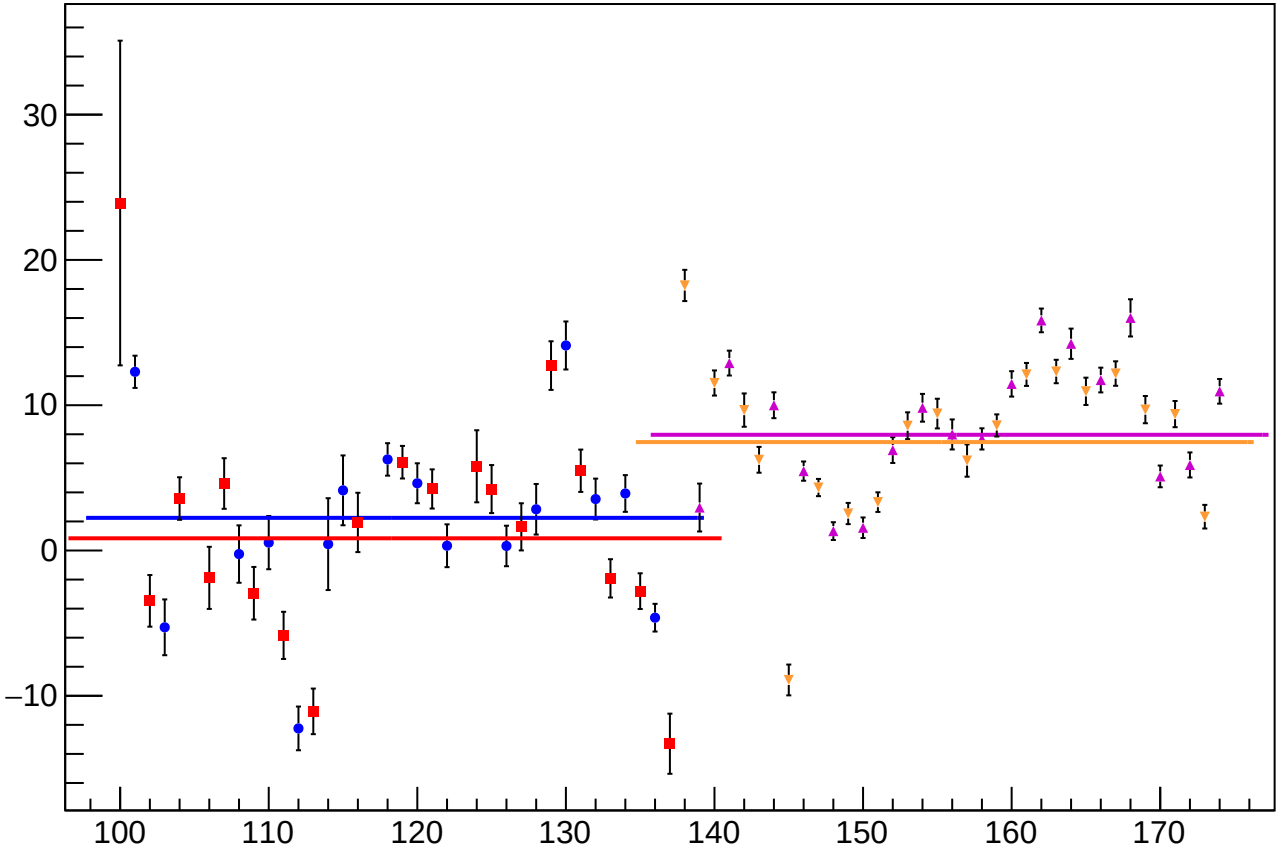
Left In: 64.558+/-0.240 χ^2/NDF:930.0/17

+ sign 69.020+/-0.196 χ^2/NDF: 3939.5/34

All: 69.170+/-0.139 χ^2/NDF: 7584.7/71

- 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: 7.463+/-0.195 χ^2/NDF:652.5/18

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

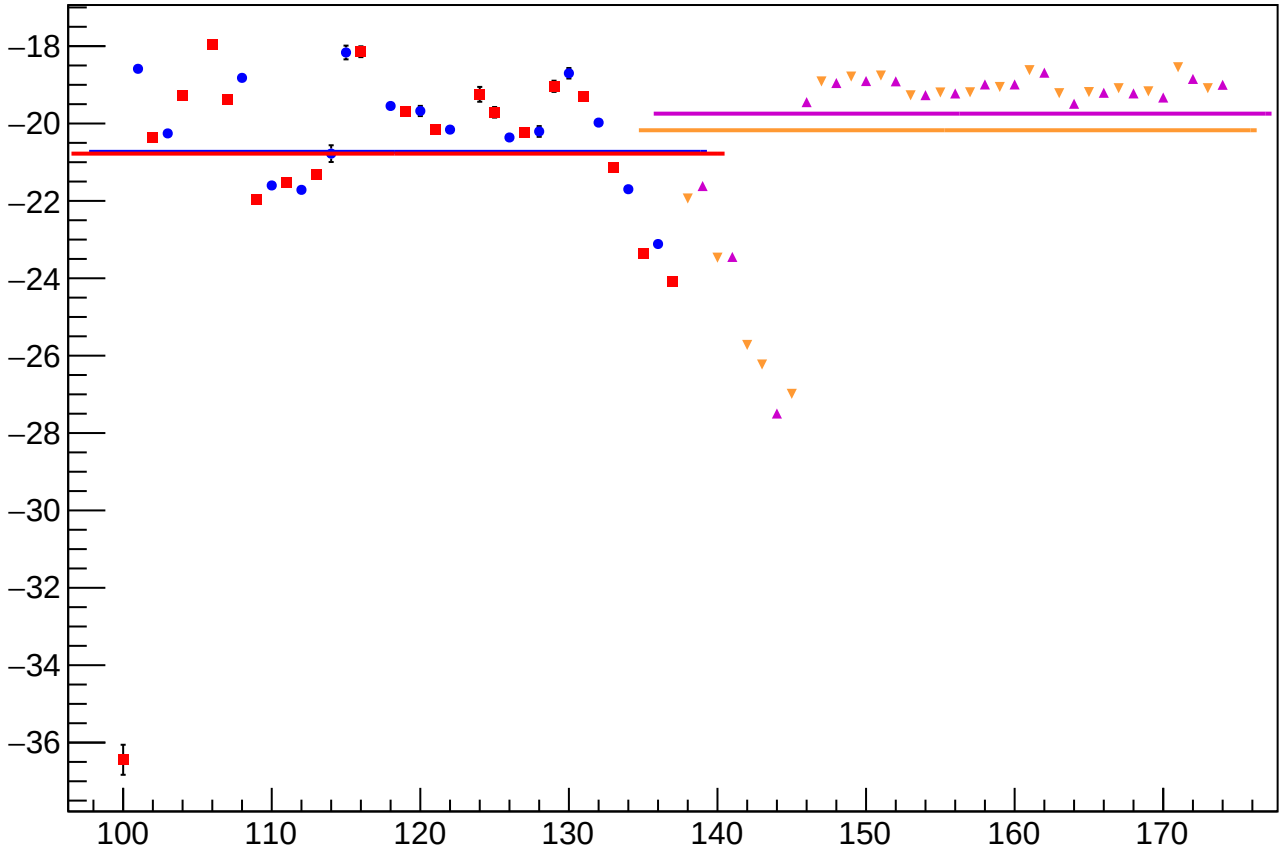
Left In: 7.964+/-0.199 χ^2/NDF:503.8/17

+ sign 6.294+/-0.172 χ^2/NDF: 1132.2/34

All: 6.339+/-0.123 χ^2/NDF: 2177.8/71

- 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: -20.174+/-0.009 χ^2/NDF:73682.3/18

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

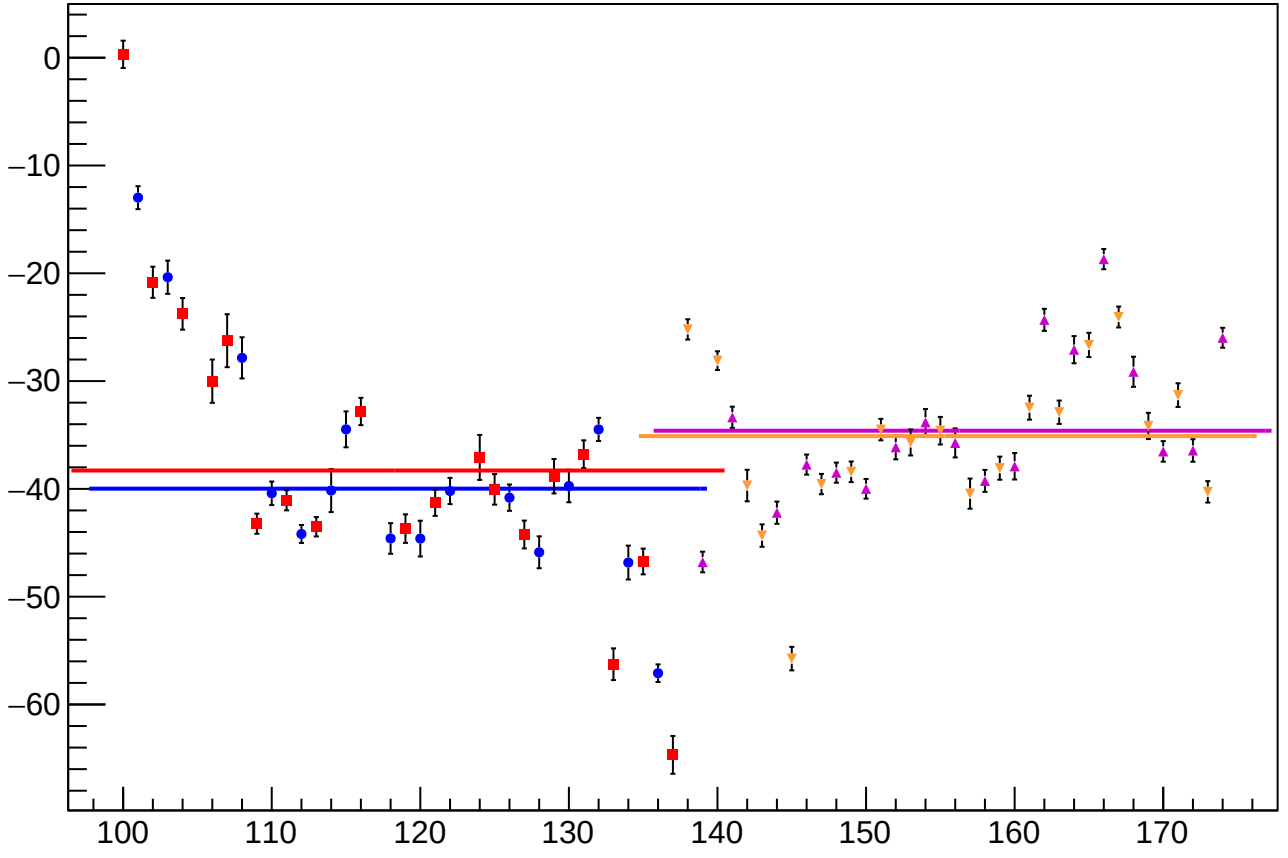
Left In: -19.745+/-0.009 χ^2/NDF:42784.5/17

+ sign -20.274+/-0.008 χ^2/NDF: 81995.0/34

All: -20.094+/-0.006 χ^2/NDF: 137354.0/71

- 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: -35.103+/-0.245 χ^2/NDF:916.2/18

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

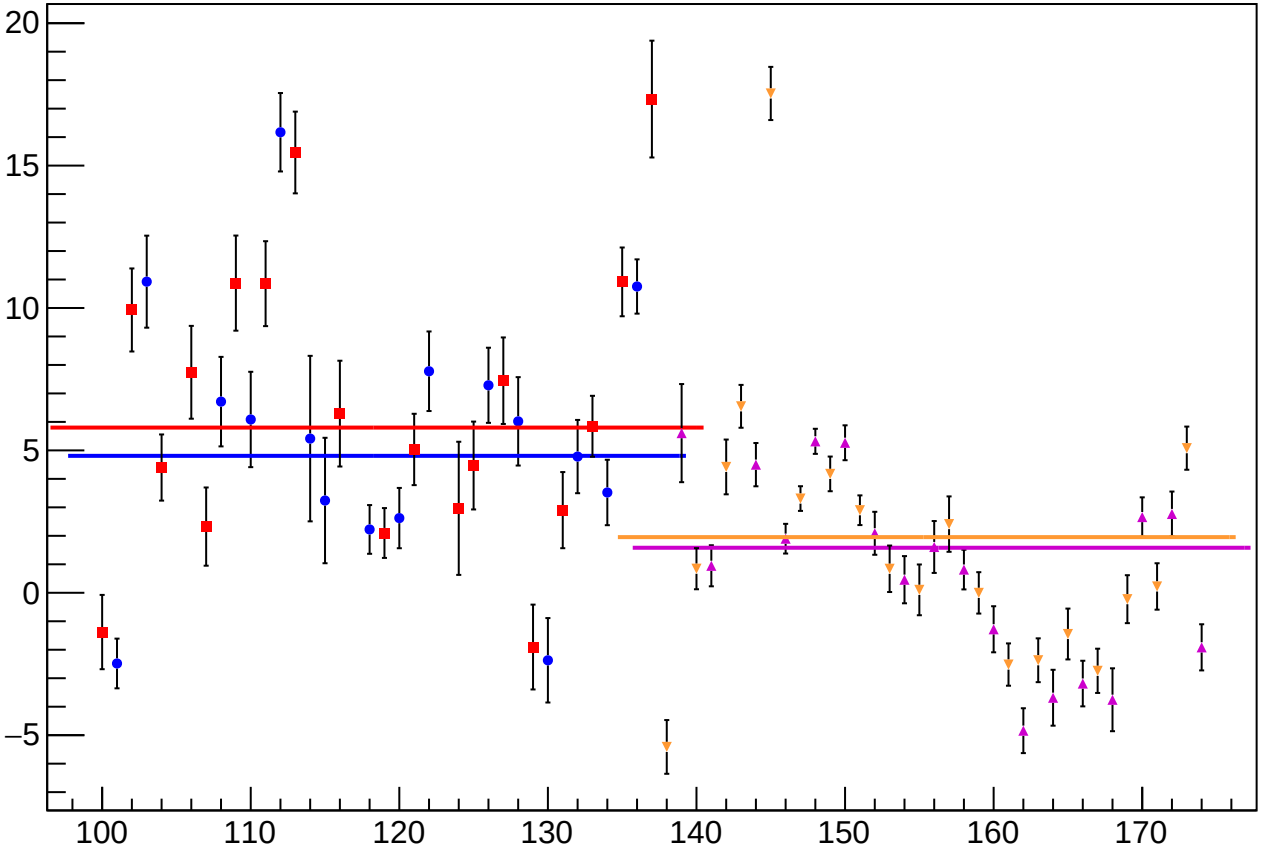
Left In: -34.603+/-0.245 χ^2/NDF:845.9/17

+ sign -36.972+/-0.193 χ^2/NDF: 2466.1/34

All: -36.524+/-0.135 χ^2/NDF: 5187.4/71

- 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: 1.954+/-0.168 χ^2/NDF:572.7/18

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

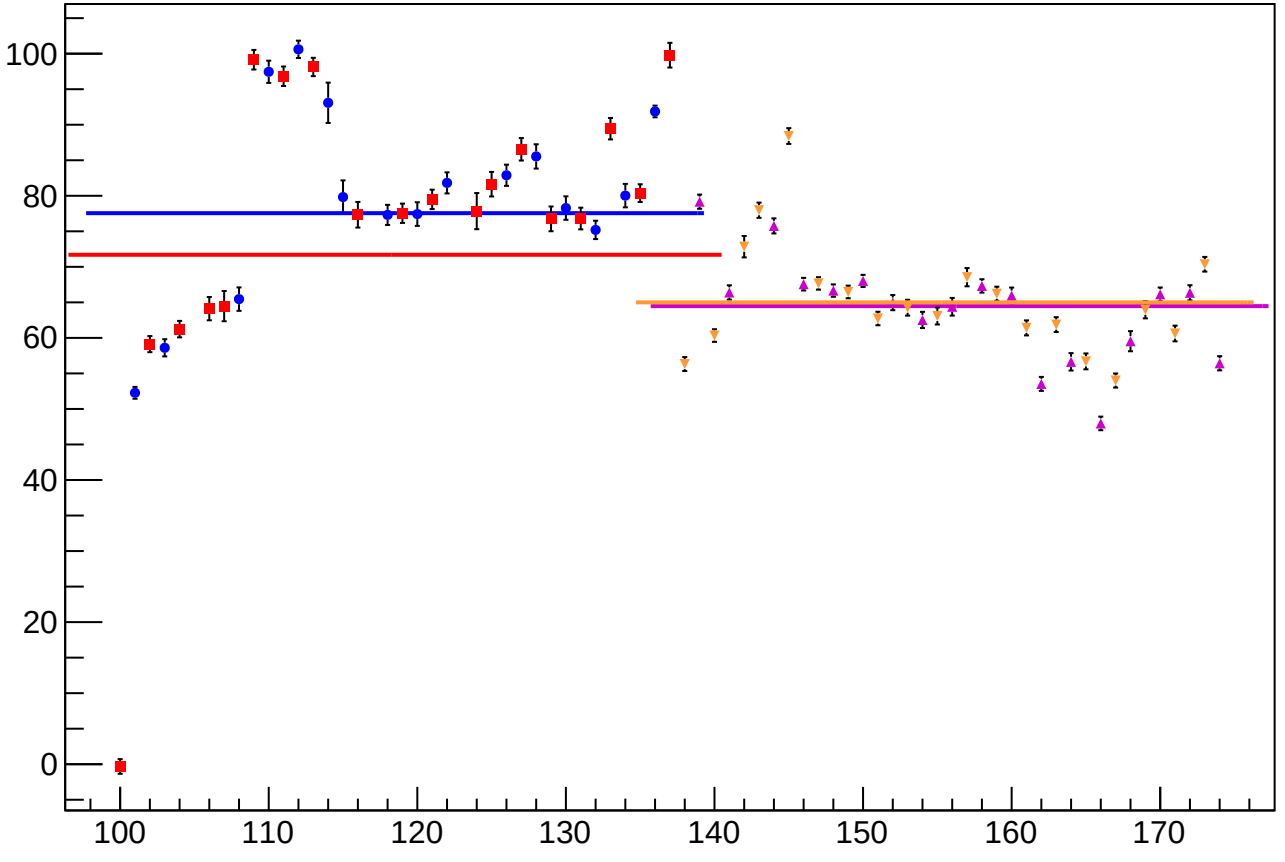
Left In: 1.581+/-0.172 χ^2/NDF:323.1/17

+ sign 2.581+/-0.148 χ^2/NDF: 876.7/34

All: 2.566+/-0.106 χ^2/NDF: 1554.5/71

- 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: 65.002+/-0.241 χ^2/NDF:996.9/18

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

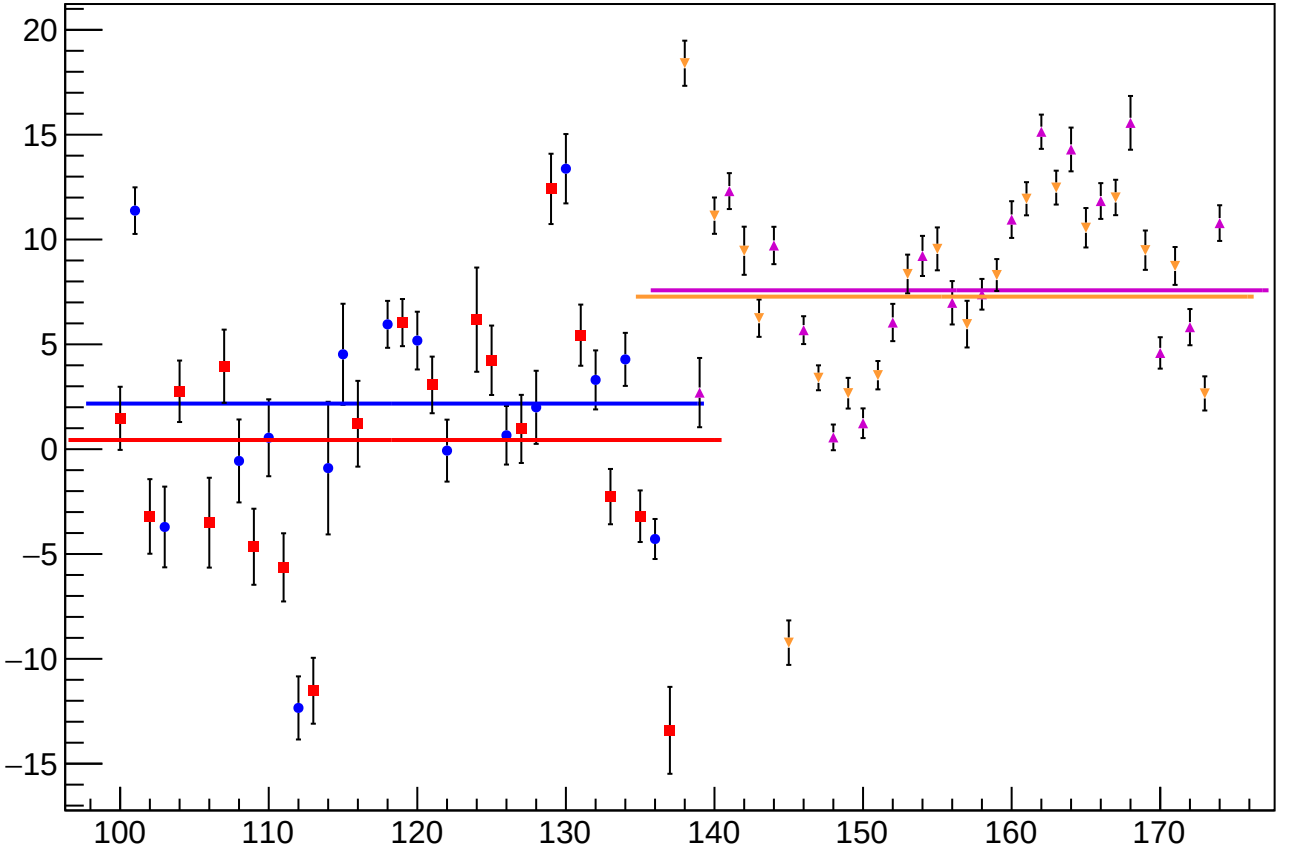
Left In: 64.472+/-0.241 χ^2/NDF:928.5/17

+ sign 69.234+/-0.196 χ^2/NDF: 4032.6/34

All: 68.098+/-0.138 χ^2/NDF: 12243.9/71

- 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: 7.276+/-0.195 χ^2/NDF:656.1/18

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

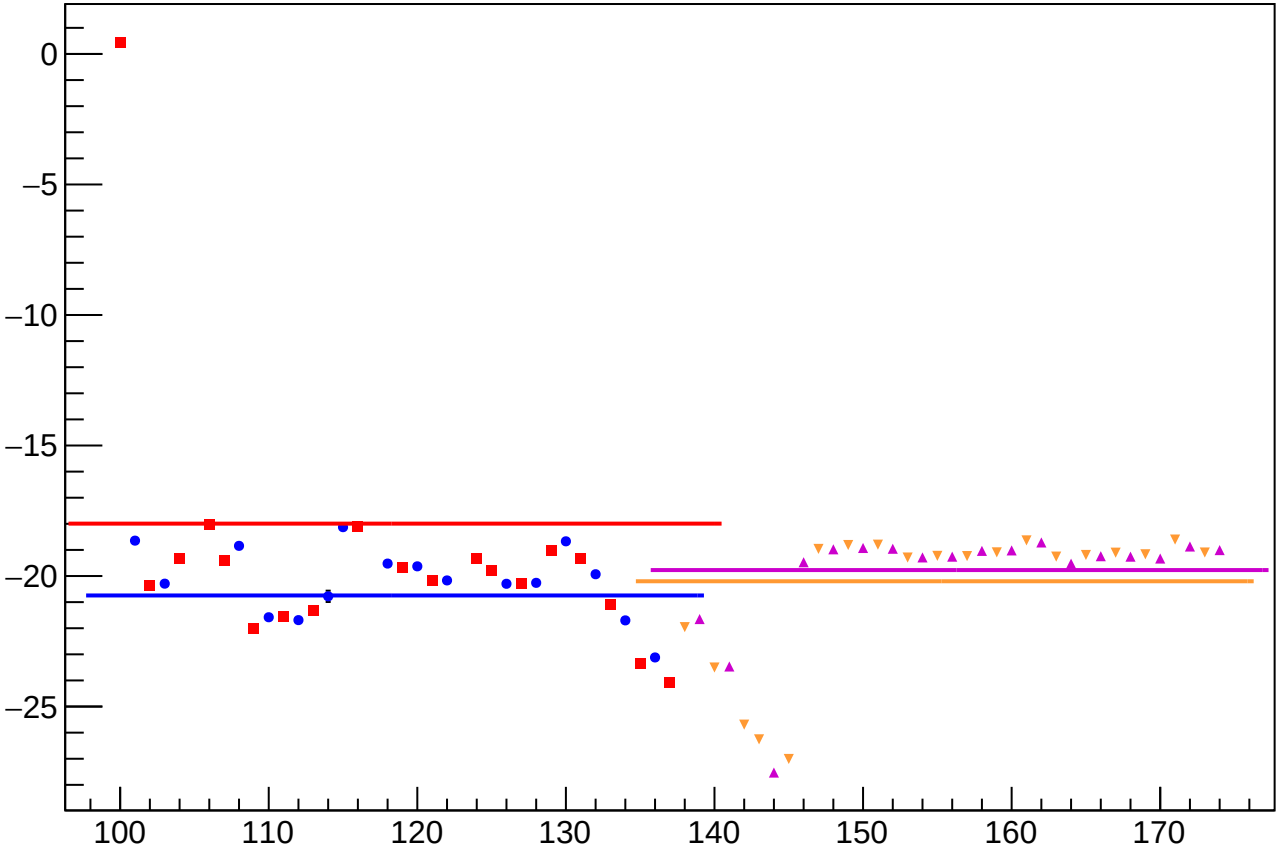
Left In: 7.578+/-0.199 χ^2/NDF:510.4/17

+ sign 6.132+/-0.172 χ^2/NDF: 1099.0/34

All: 6.028+/-0.122 χ^2/NDF: 2163.2/71

- 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: -20.201+/-0.009 χ^2/NDF:73227.7/18

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

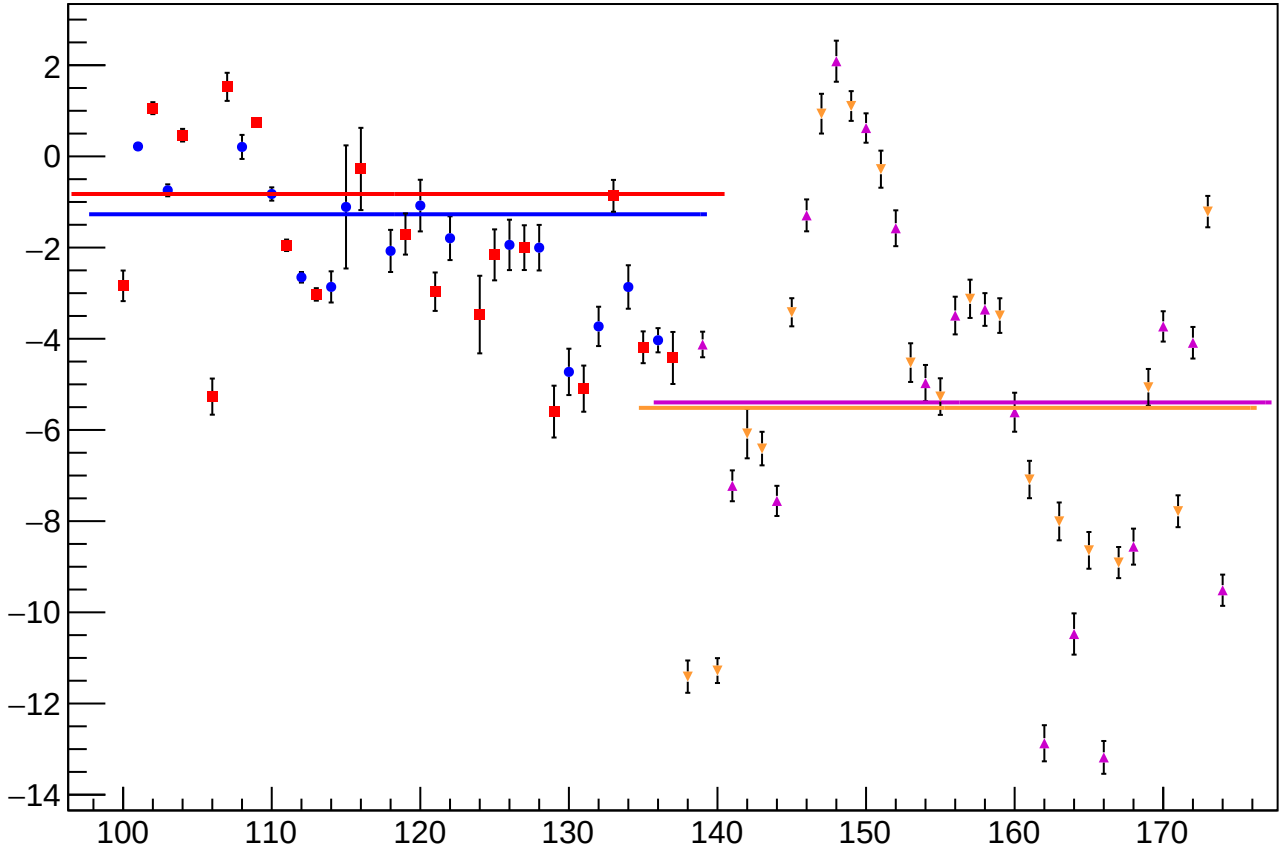
Left In: -19.772+/-0.009 χ^2/NDF:42658.0/17

+ sign -20.298+/-0.008 χ^2/NDF: 81383.5/34

All: -19.865+/-0.006 χ^2/NDF: 287334.3/71

- 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: -5.516+/-0.085 χ^2/NDF:2048.5/18

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

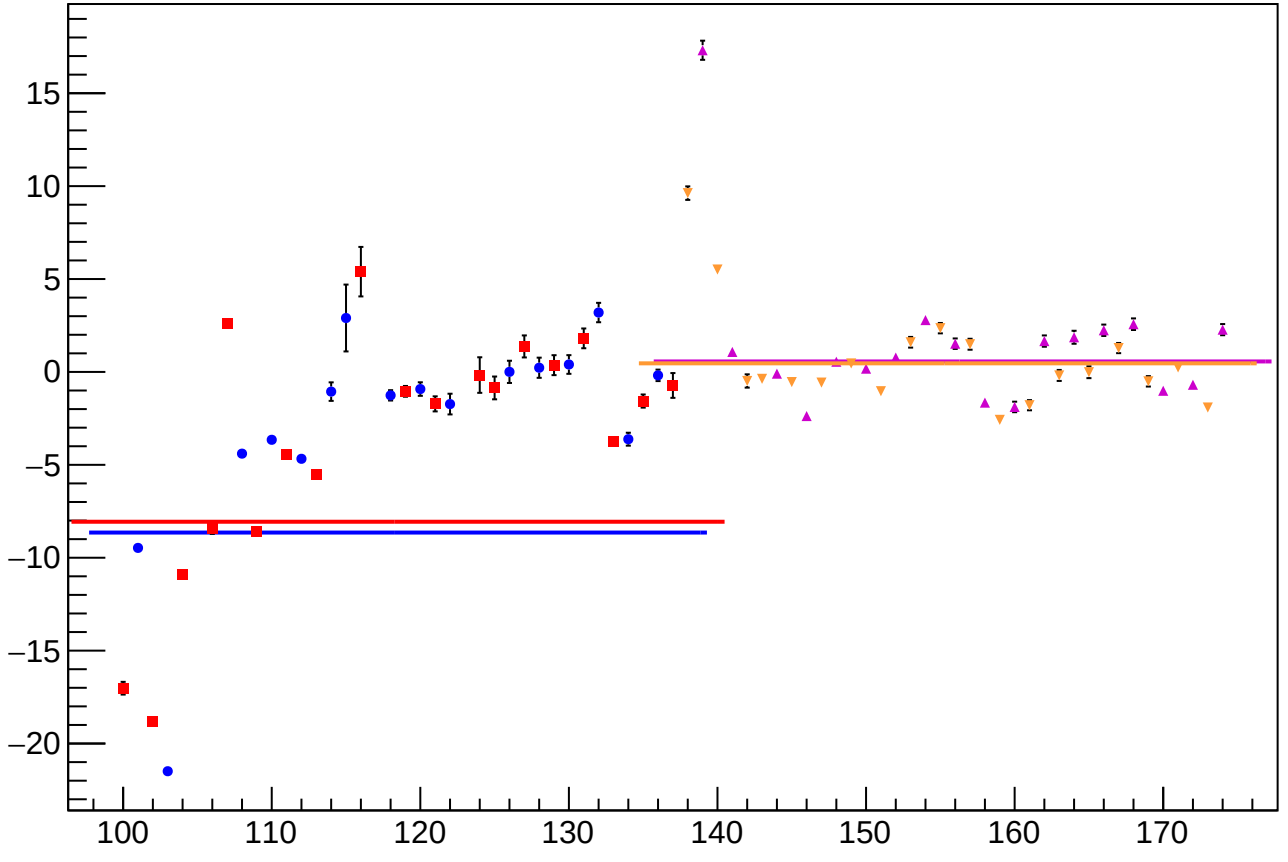
Left In: -5.396+/-0.086 χ^2/NDF:2202.2/17

+ sign -2.499+/-0.046 χ^2/NDF: 4420.2/34

All: -2.250+/-0.032 χ^2/NDF: 10166.5/71

- 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: 0.462+/-0.061 χ^2/NDF:1609.9/18

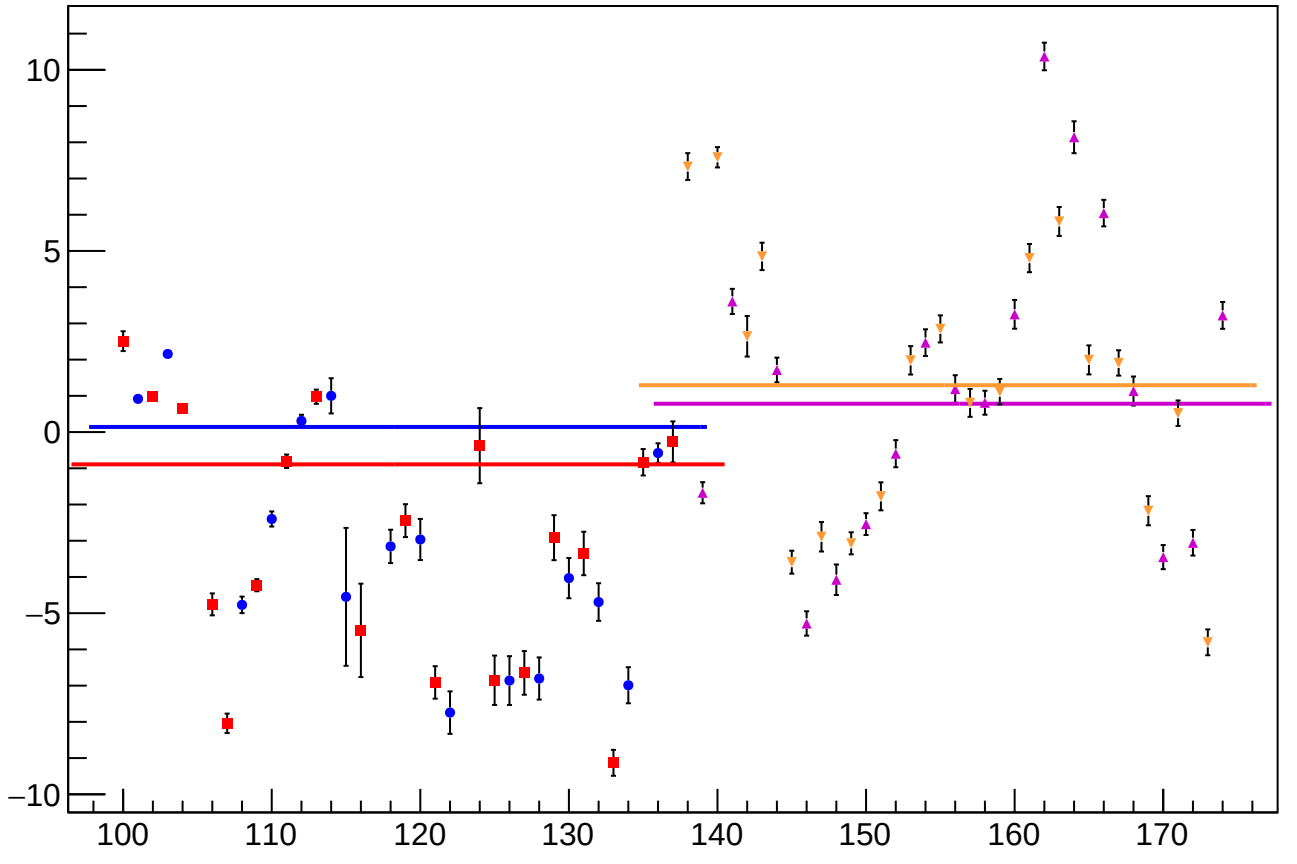
Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.564+/-0.063 χ^2/NDF:1696.6/17

+ sign -4.387+/-0.042 χ^2/NDF: 27400.5/34

All: -4.259+/-0.030 χ^2/NDF: 53812.9/71

- sign -4.127+/-0.042 χ^2/NDF: 26393.4/36



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.293+/-0.084 χ^2/NDF:2186.3/18

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

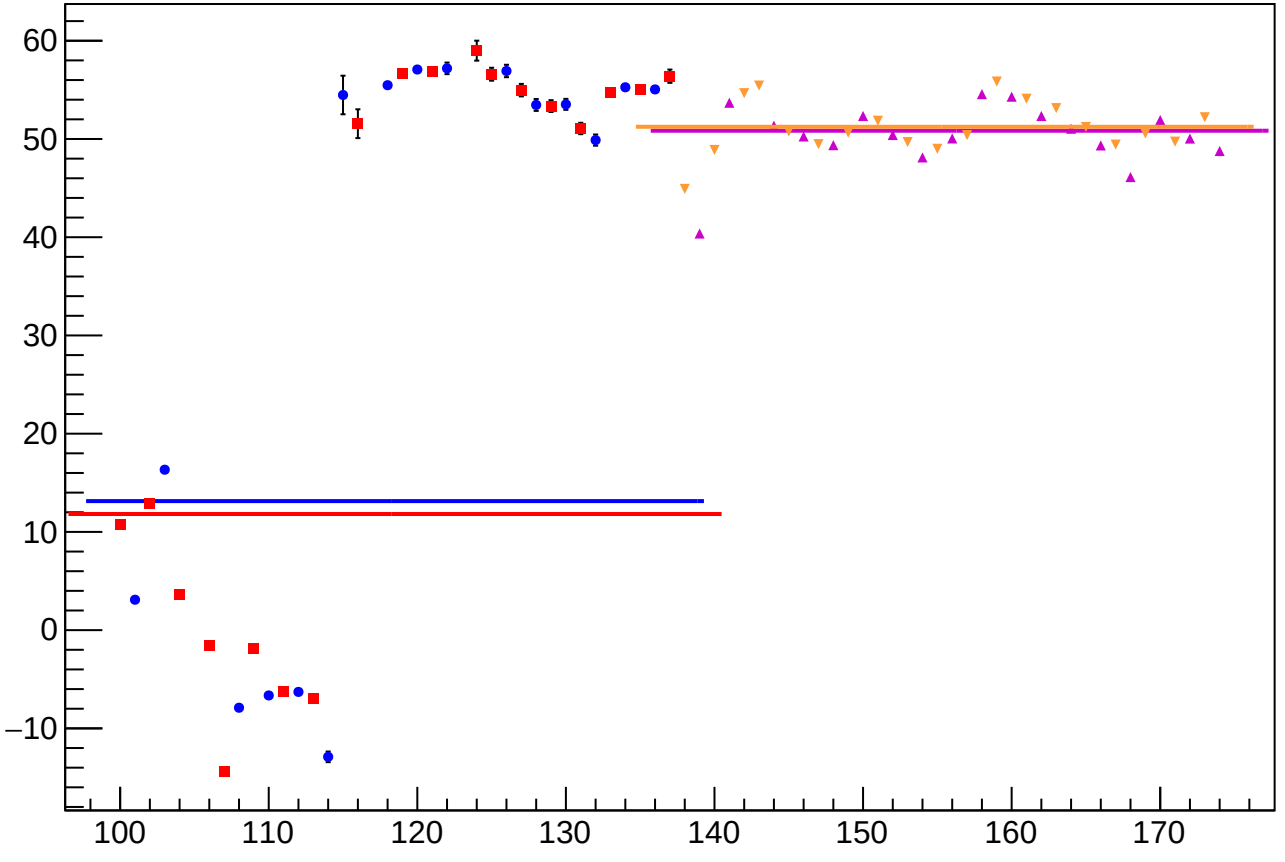
Left In: 0.782+/-0.084 χ^2/NDF:2240.8/17

+ sign 0.468+/-0.045 χ^2/NDF: 4280.4/34

All: 0.034+/-0.032 χ^2/NDF: 9977.6/71

- 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: 51.243+/-0.070 χ^2/NDF:1185.2/18

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

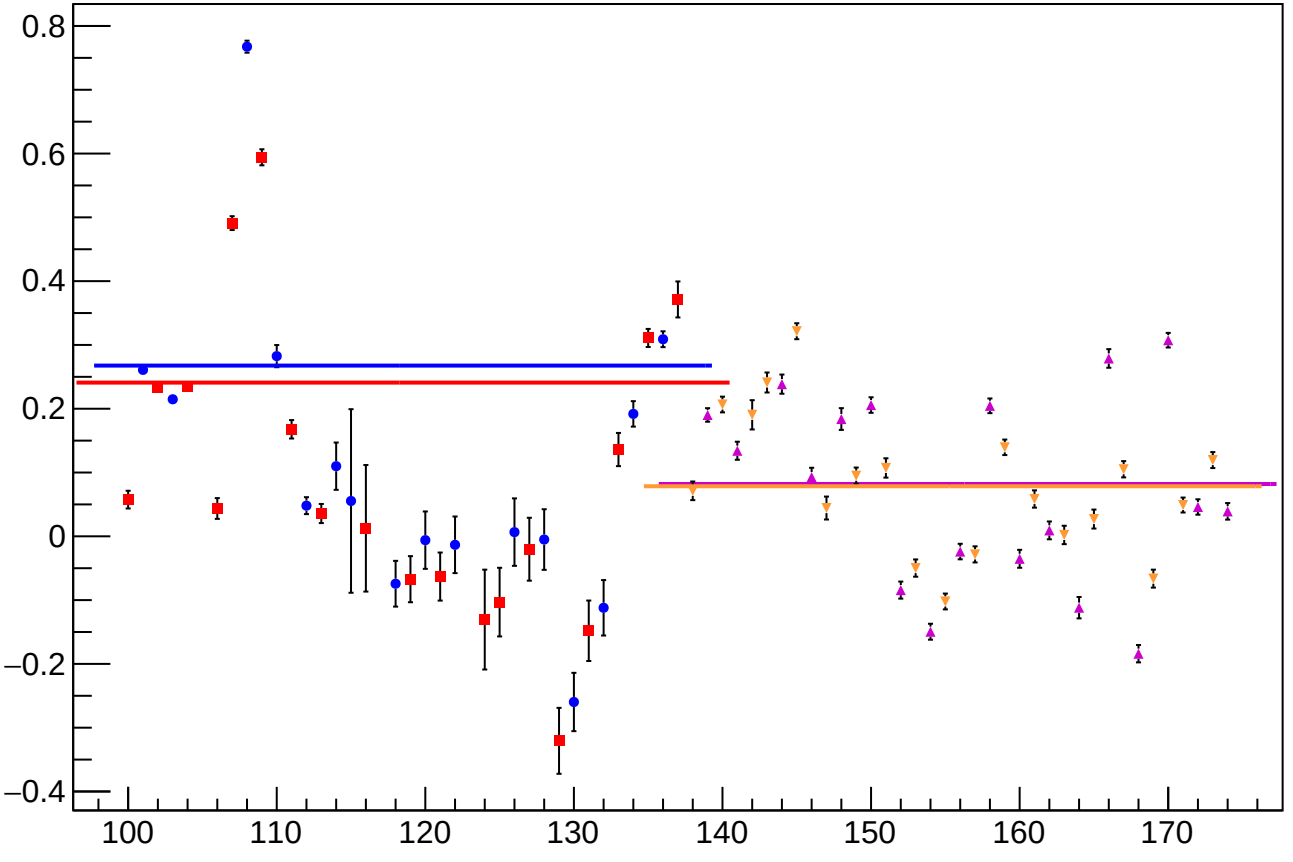
Left In: 50.840+/-0.071 χ^2/NDF:1313.0/17

\+ sign 31.698+/-0.049 χ^2/NDF: 262988.2/34

All: 31.038+/-0.035 χ^2/NDF: 540005.5/71

\- 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: 0.078+/-0.003 χ^2/NDF:1194.2/18

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

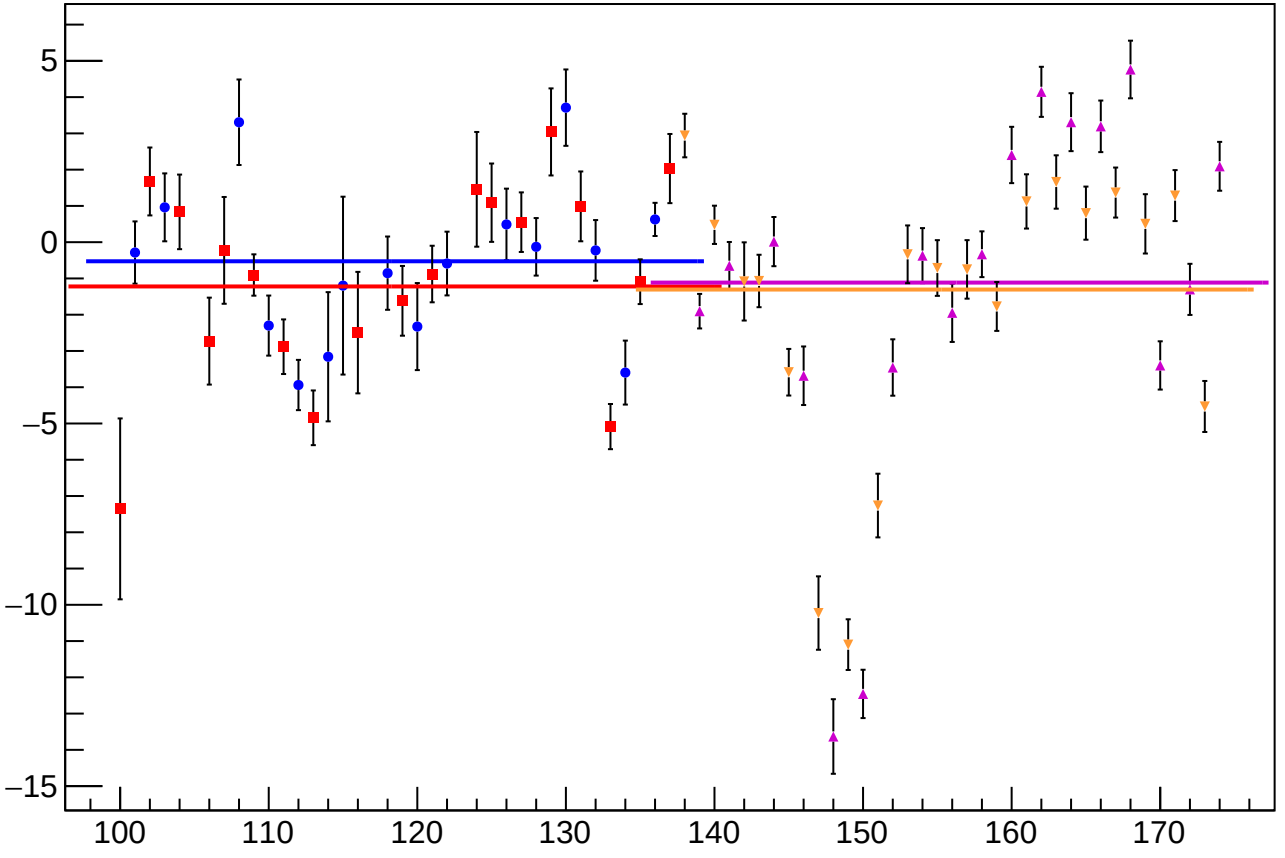
Left In: 0.082+/-0.003 χ^2/NDF:2254.6/17

+ sign 0.184+/-0.002 χ^2/NDF: 6945.4/34

All: 0.177+/-0.001 χ^2/NDF: 13028.8/71

- 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: -1.306+/-0.167 χ^2/NDF:486.8/18

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

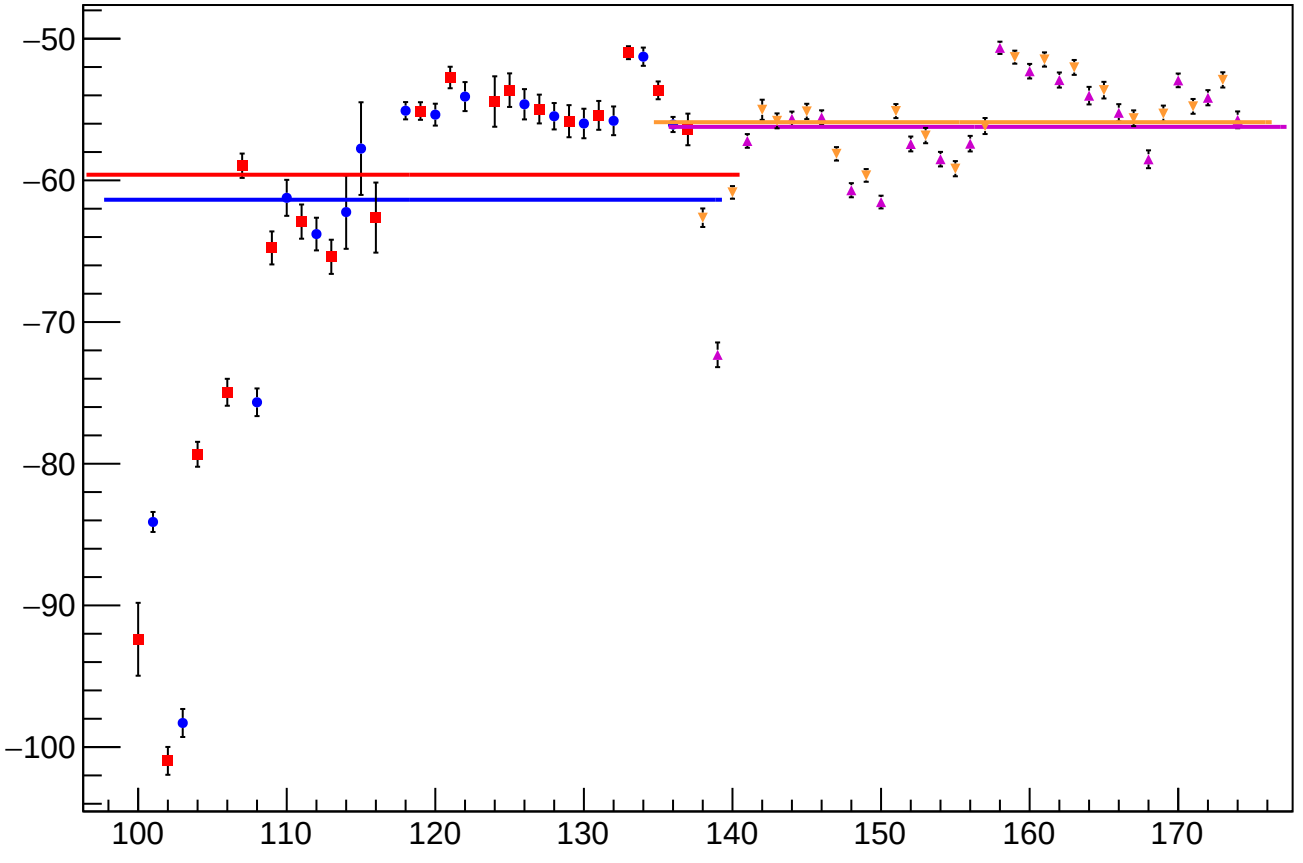
Left In: -1.114+/-0.166 χ^2/NDF:701.8/17

+ sign -1.017+/-0.132 χ^2/NDF: 577.6/34

All: -1.089+/-0.092 χ^2/NDF: 1411.1/71

- 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: -55.893+/-0.121 χ^2/NDF:650.7/18

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

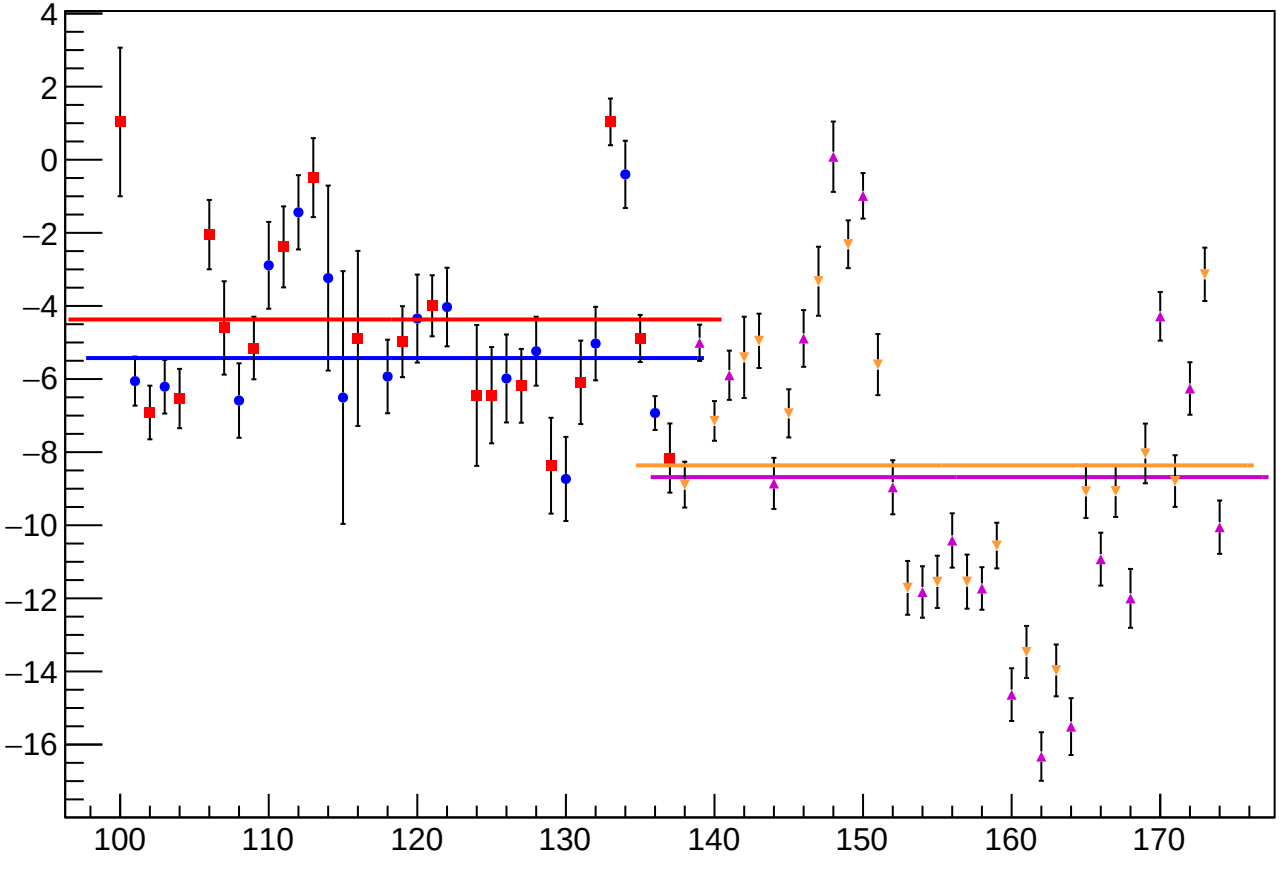
Left In: -56.224+/-0.125 χ^2/NDF:949.9/17

\+ sign -57.171+/-0.106 χ^2/NDF: 4480.7/34

All: -57.149+/-0.075 χ^2/NDF: 9047.8/71

\- 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: -8.362+/-0.164 χ^2/NDF:402.7/18

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

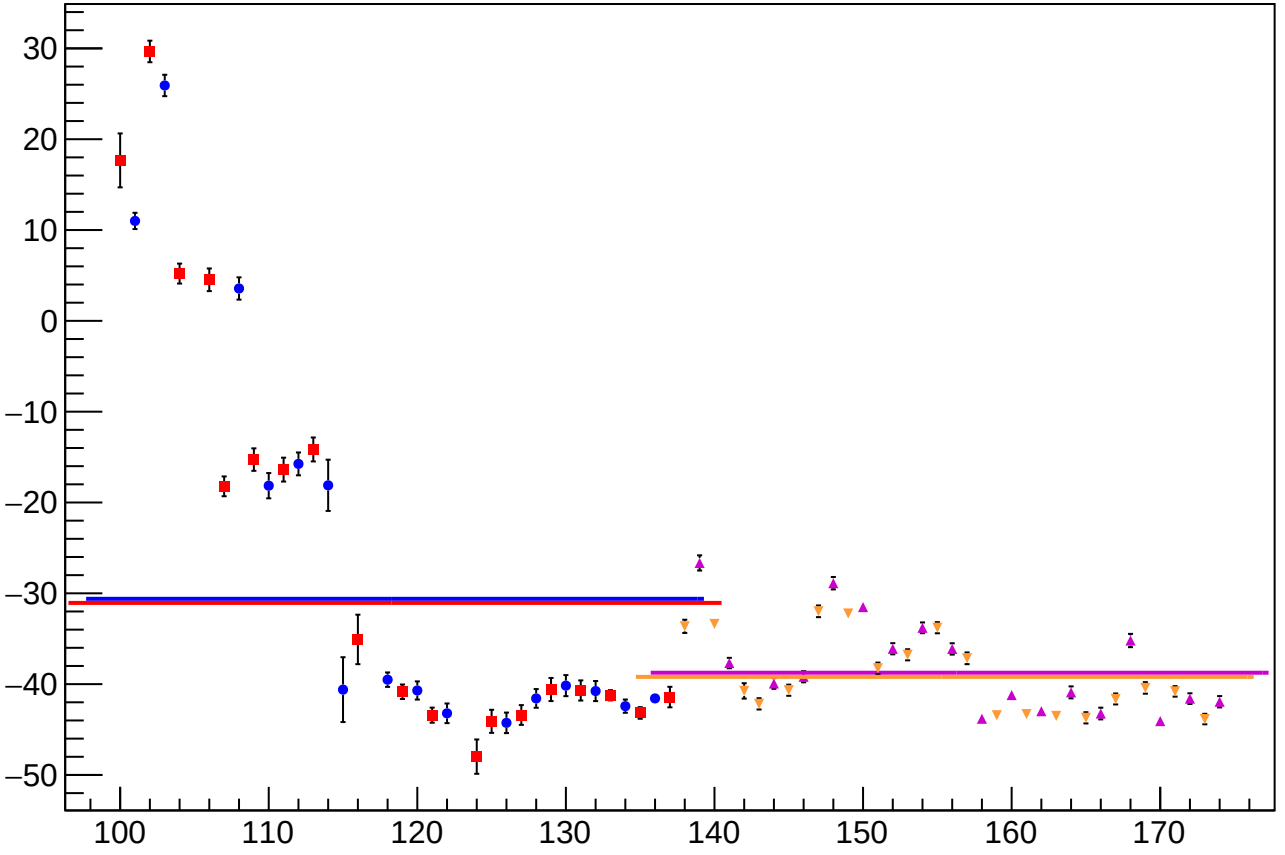
Left In: -8.683+/-0.163 χ^2/NDF:747.5/17

+ sign -7.371+/-0.134 χ^2/NDF: 586.7/34

All: -7.272+/-0.094 χ^2/NDF: 1736.3/71

- 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: -39.202+/-0.137 χ^2/NDF:949.8/18

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

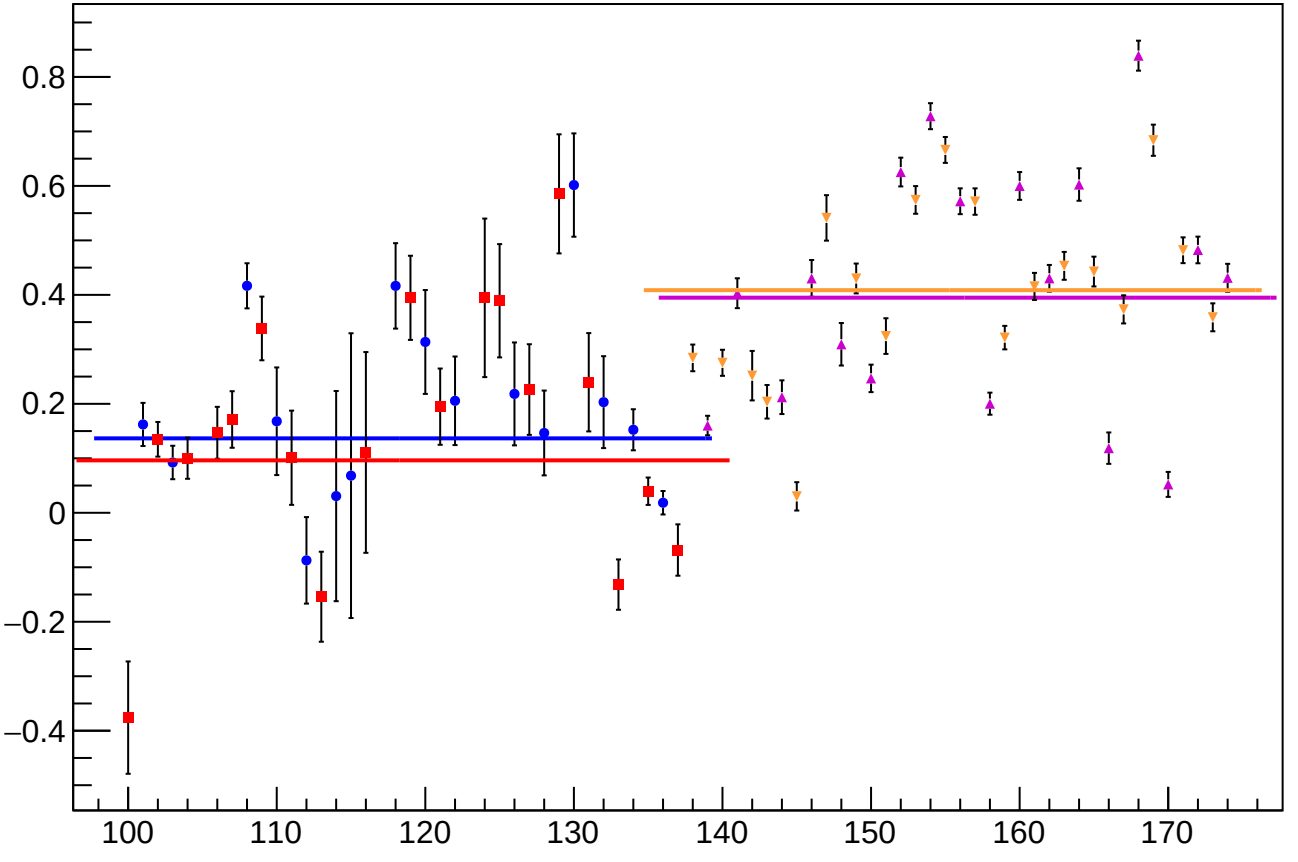
Left In: -38.743+/-0.140 χ^2/NDF:1162.3/17

\+ sign -37.202+/-0.120 χ^2/NDF: 8799.6/34

All: -36.983+/-0.085 χ^2/NDF: 17720.9/71

\- 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: 0.409+/-0.006 χ^2/NDF:675.5/18

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

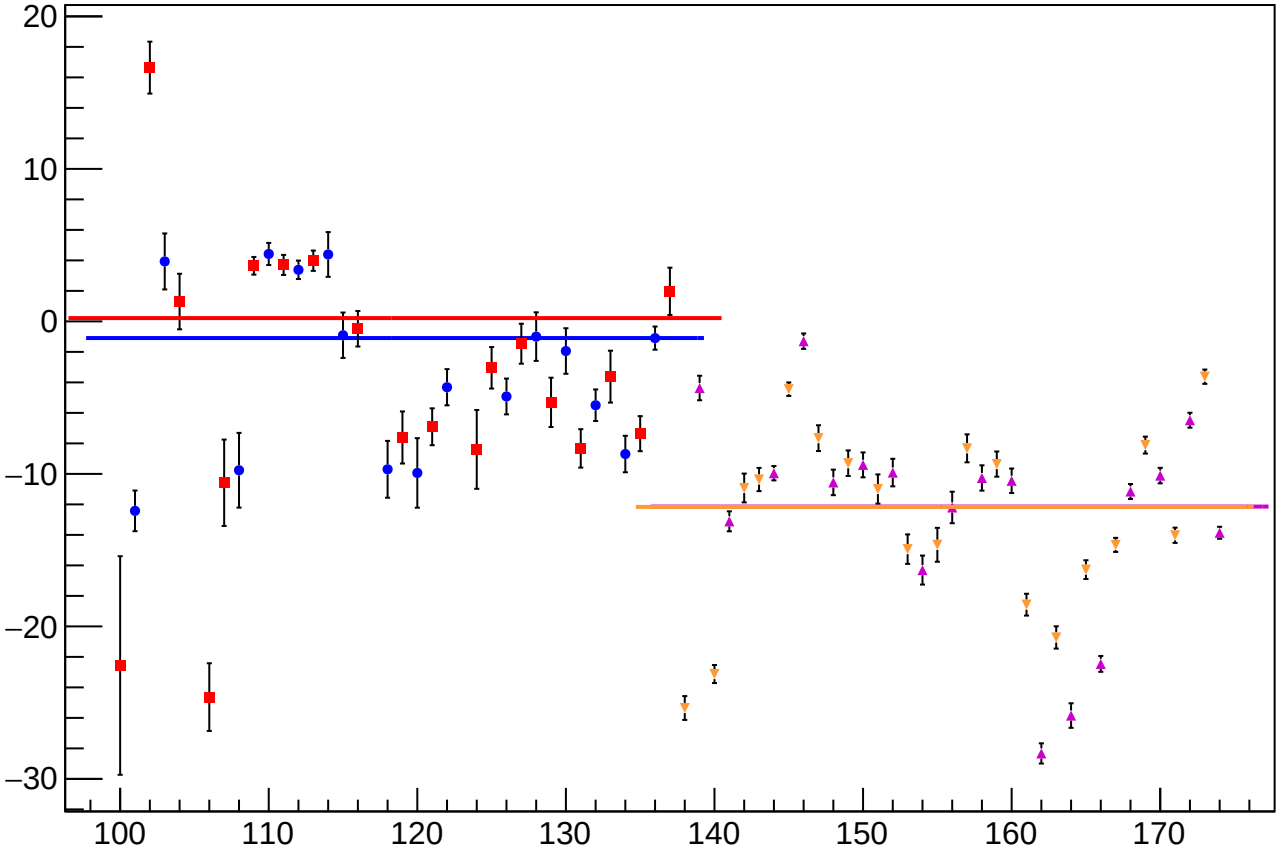
Left In: 0.395+/-0.006 χ^2/NDF:1372.0/17

\+ sign 0.356+/-0.005 χ^2/NDF: 1187.2/34

All: 0.347+/-0.004 χ^2/NDF: 3186.6/71

\- 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: -12.165+/-0.151 χ^2/NDF:1714.0/18

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

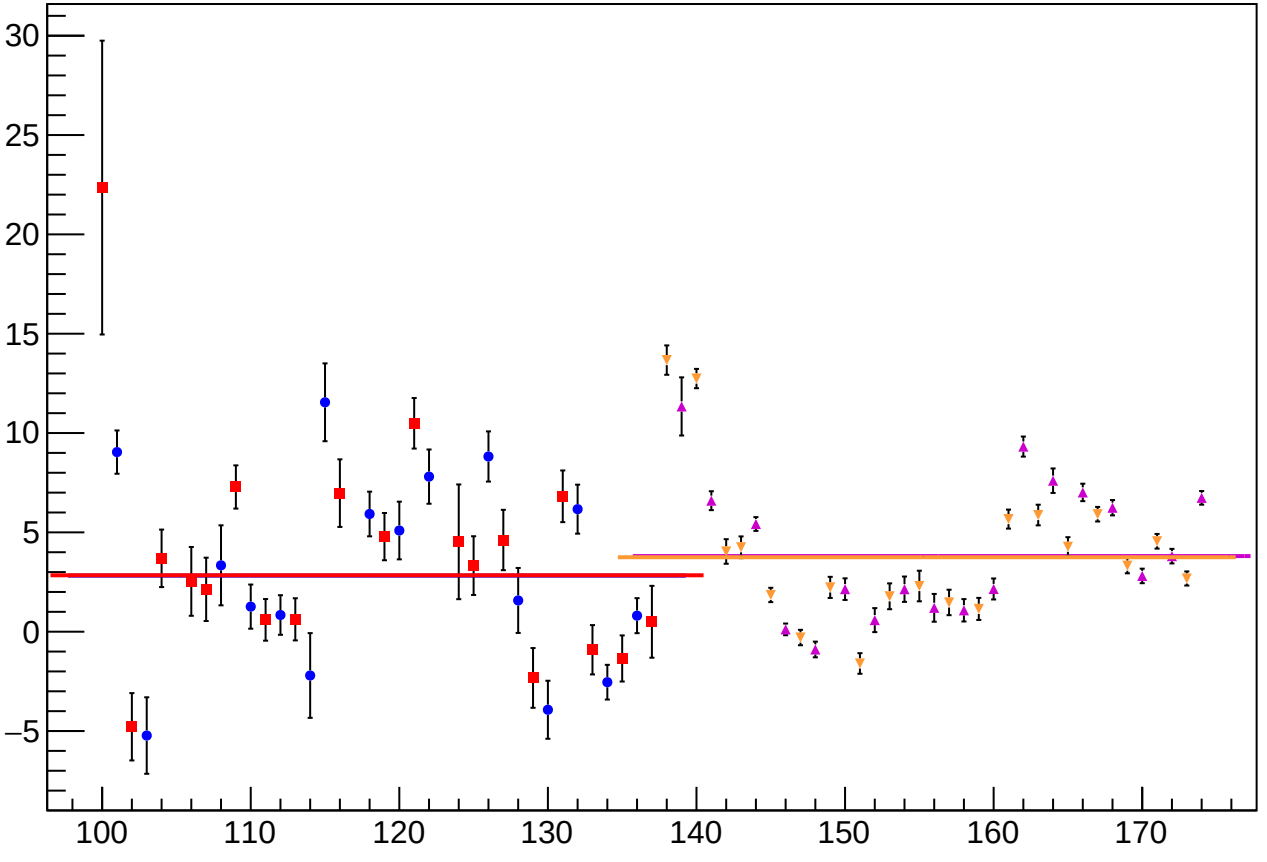
Left In: -12.143+/-0.145 χ^2/NDF:2078.5/17

+ sign -9.678+/-0.133 χ^2/NDF: 3253.5/34

All: -9.491+/-0.092 χ^2/NDF: 7520.1/71

- 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: 3.748+/-0.108 χ^2/NDF:904.7/18

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

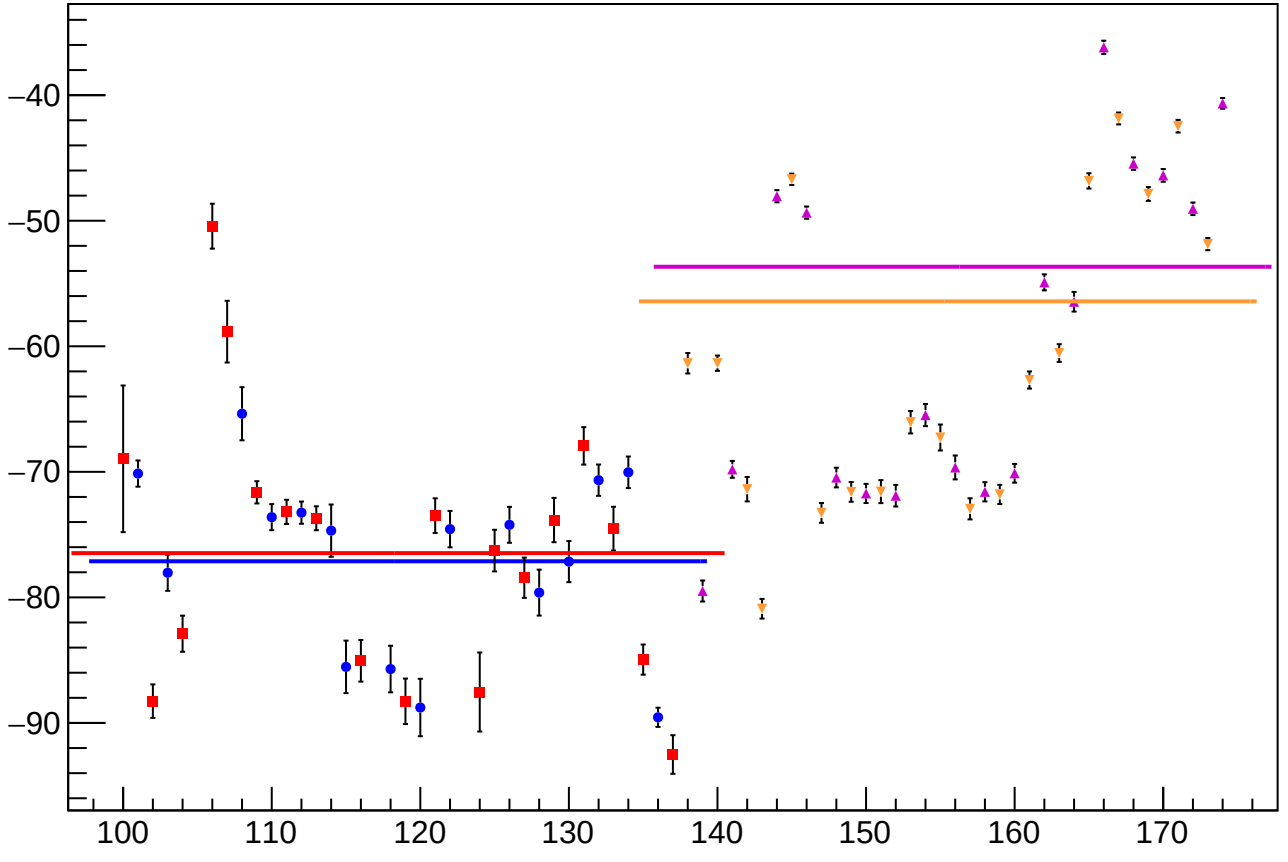
Left In: 3.806+/-0.105 χ^2/NDF:803.0/17

+ sign 3.649+/-0.102 χ^2/NDF: 1112.0/34

All: 3.682+/-0.072 χ^2/NDF: 2068.3/71

- 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: -56.421+/-0.150 χ^2/NDF:6301.5/18

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

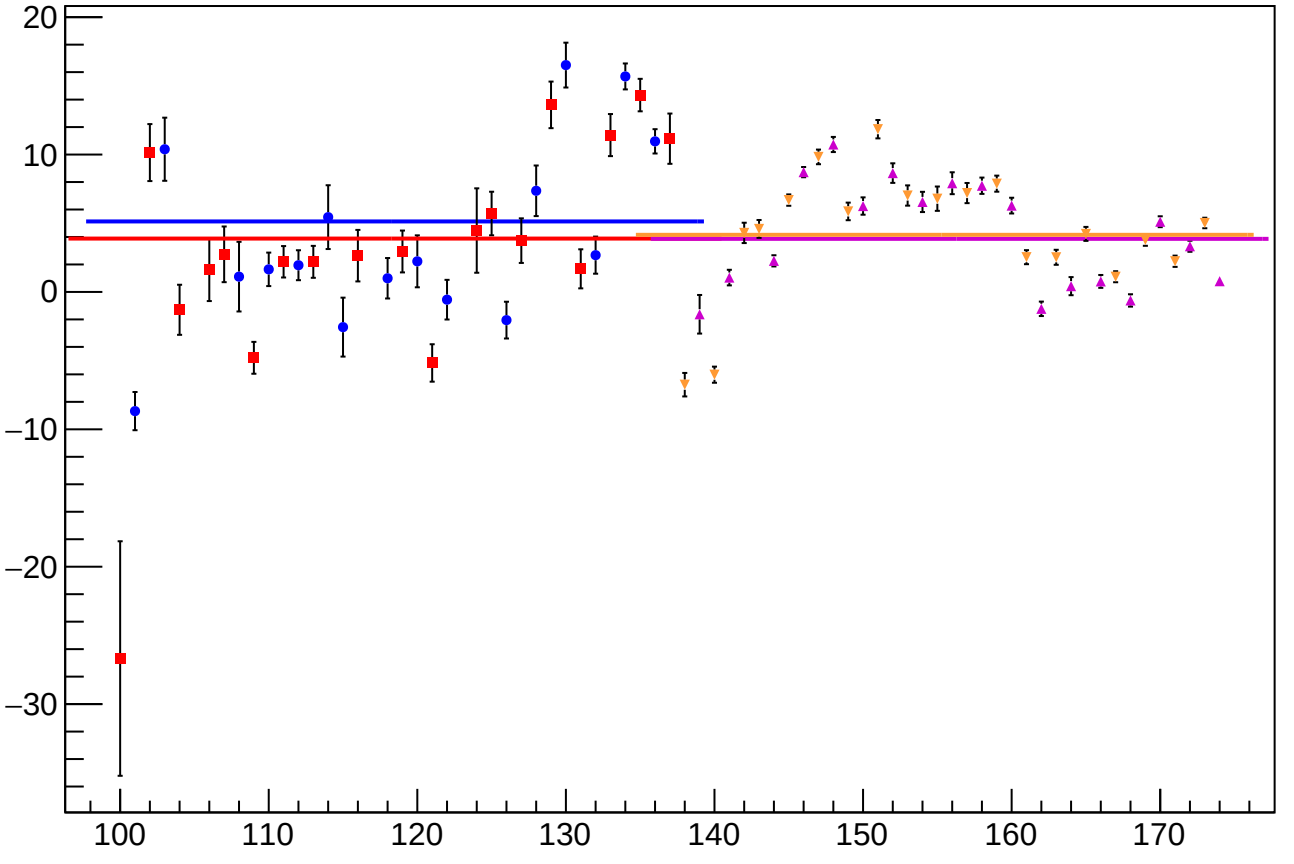
Left In: -53.665+/-0.145 χ^2/NDF:7309.9/17

\+ sign -60.050+/-0.137 χ^2/NDF: 10124.6/34

All: -58.668+/-0.095 χ^2/NDF: 22367.9/71

\- 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: 4.158+/-0.123 χ^2/NDF:940.7/18

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

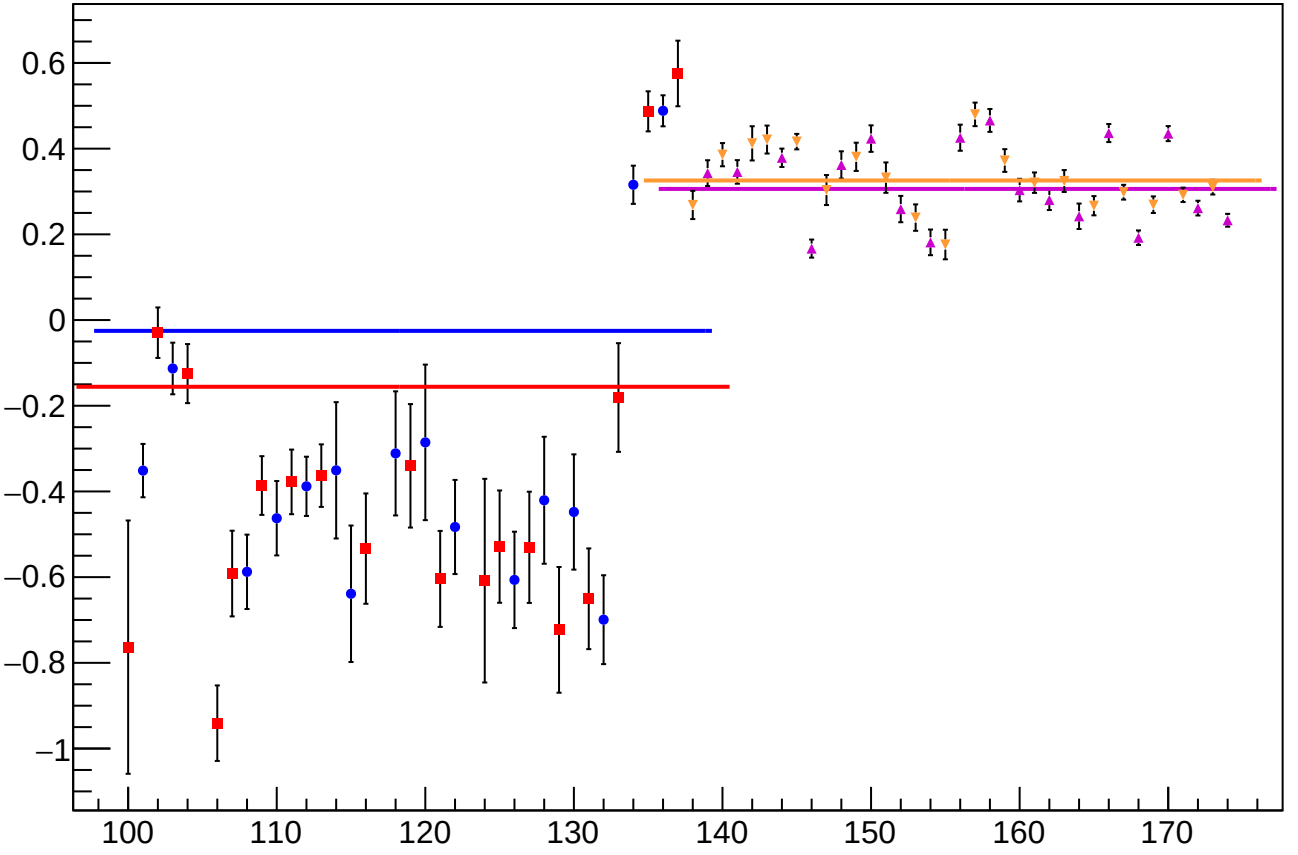
Left In: 3.864+/-0.120 χ^2/NDF:889.1/17

+ sign 4.265+/-0.116 χ^2/NDF: 1360.0/34

All: 4.062+/-0.081 χ^2/NDF: 2546.6/71

- 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: 0.326+/-0.006 χ^2/NDF:133.7/18

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

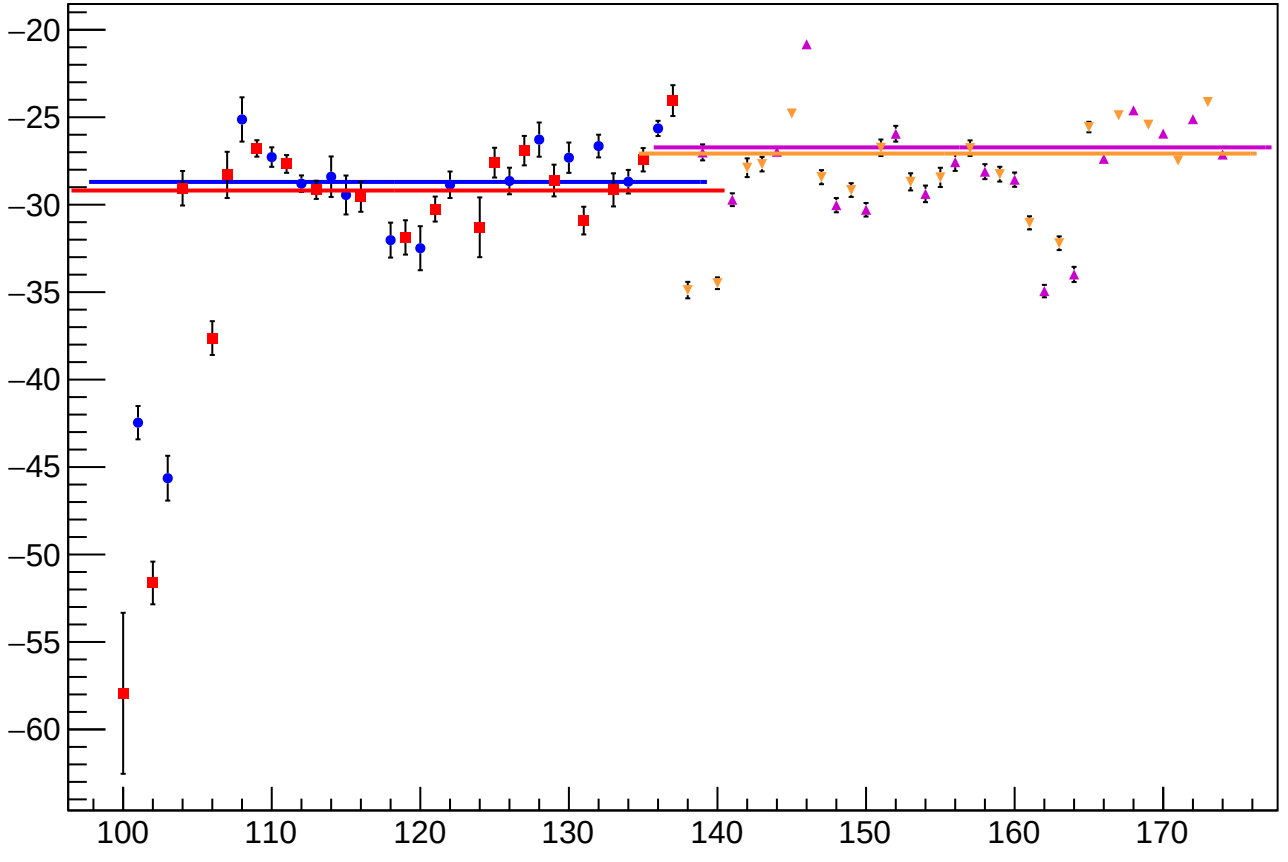
Left In: 0.306+/-0.005 χ^2/NDF:320.5/17

+ sign 0.298+/-0.005 χ^2/NDF: 962.2/34

All: 0.286+/-0.004 χ^2/NDF: 2274.0/71

- 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: -27.077+/-0.073 χ^2/NDF:1613.9/18

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

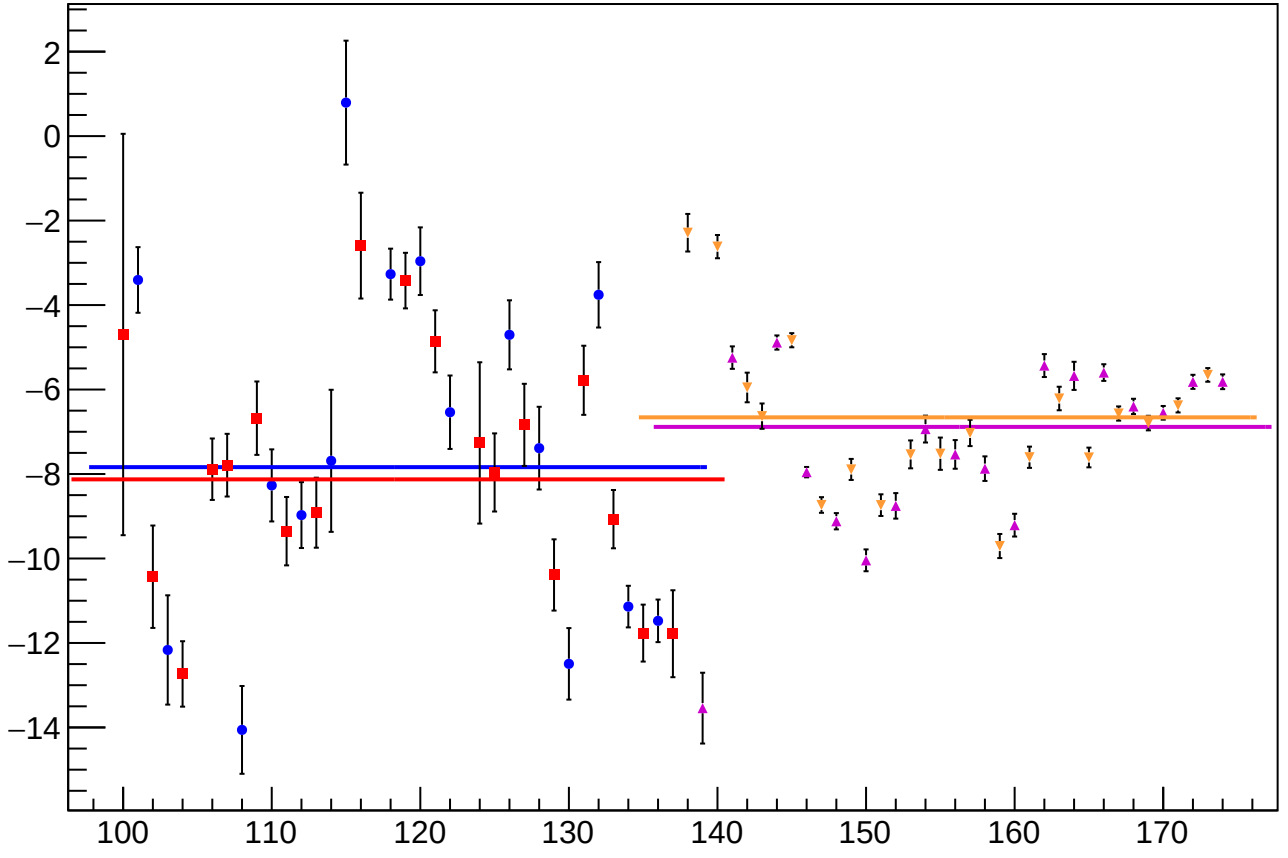
Left In: -26.724+/-0.069 χ^2/NDF:2075.3/17

+ sign -27.295+/-0.068 χ^2/NDF: 2167.0/34

All: -27.160+/-0.047 χ^2/NDF: 4968.5/71

- 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: -6.658+/-0.053 χ^2/NDF:854.1/18

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

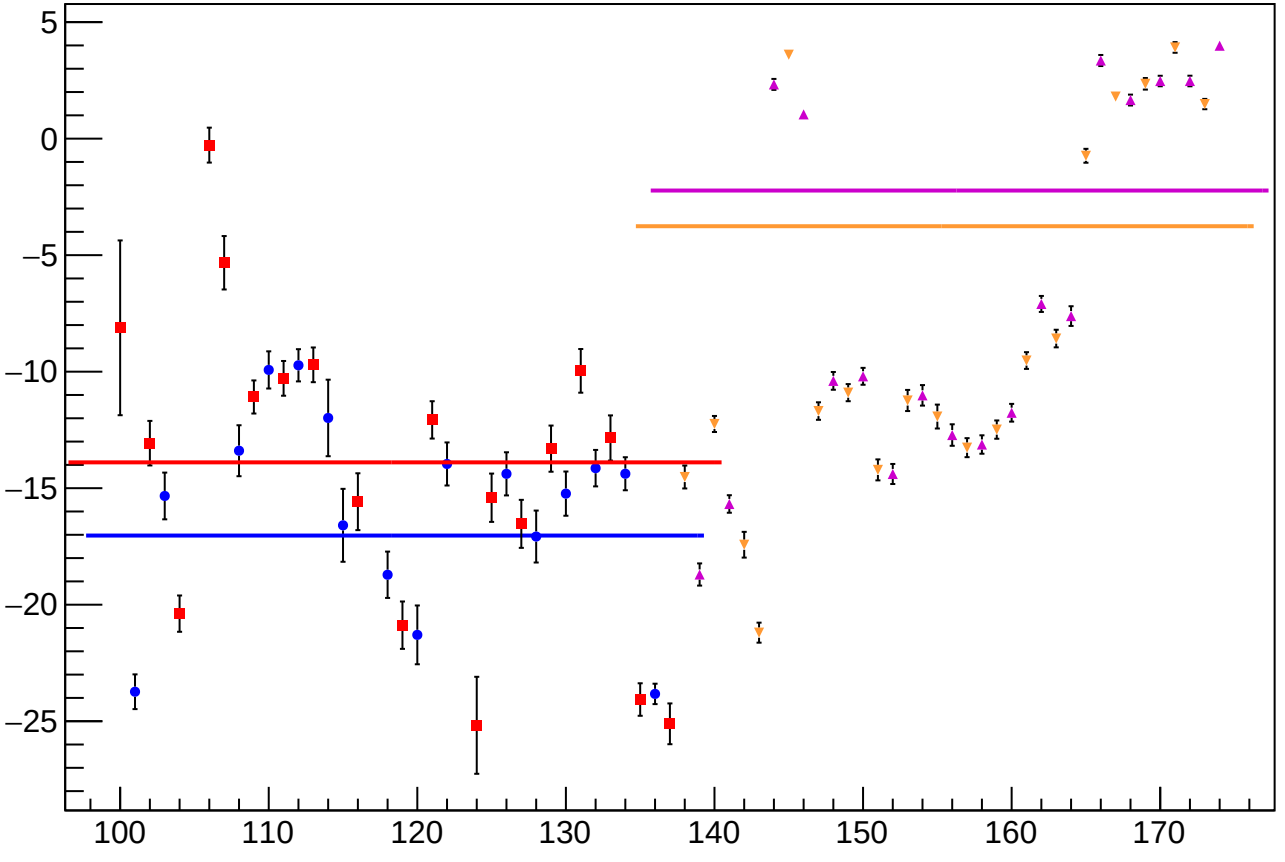
Left In: -6.884+/-0.050 χ^2/NDF:903.8/17

+ sign -6.738+/-0.051 χ^2/NDF: 1271.4/34

All: -6.854+/-0.035 χ^2/NDF: 2420.0/71

- 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: -3.758+/-0.073 χ^2/NDF:11001.8/18

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

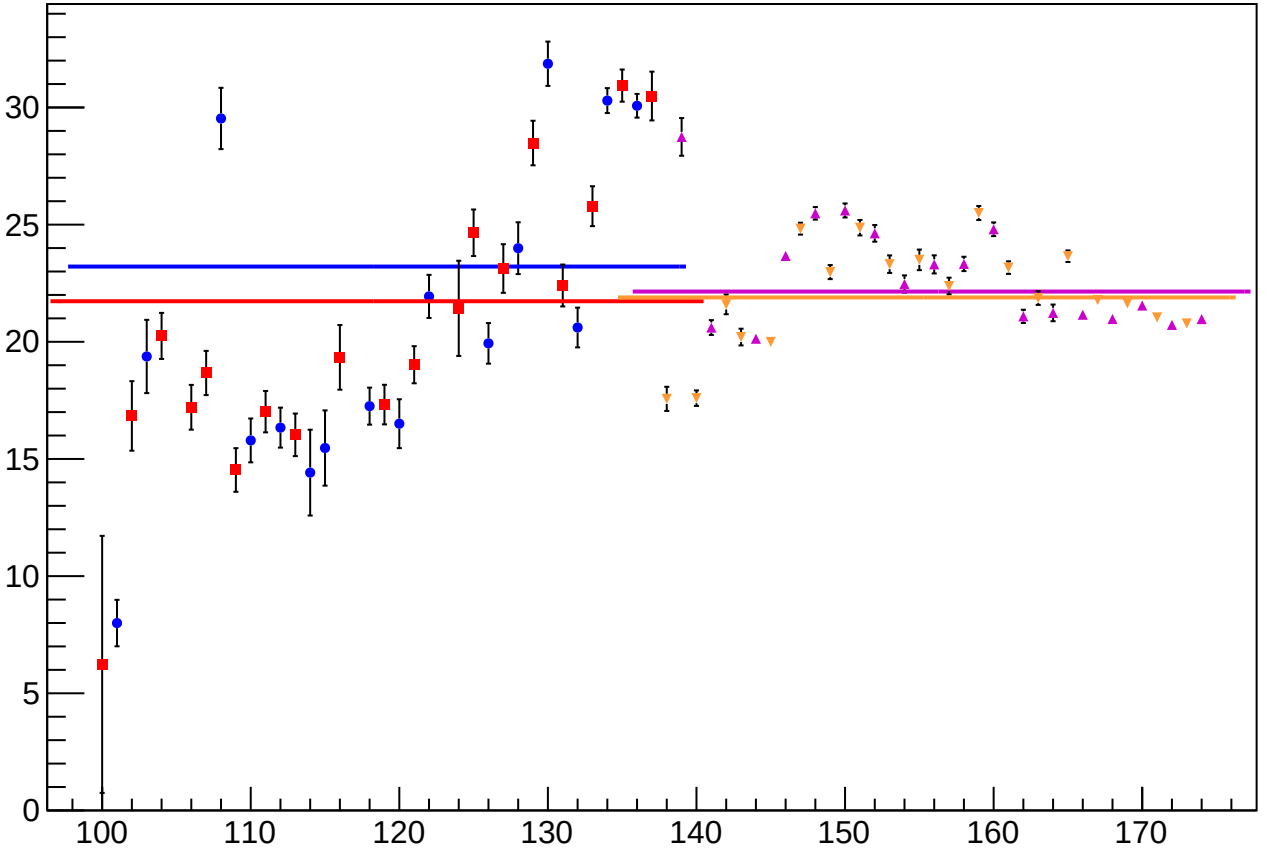
Left In: -2.227+/-0.069 χ^2/NDF:10046.0/17

\+ sign -5.194+/-0.069 χ^2/NDF: 15187.8/34

All: -4.244+/-0.048 χ^2/NDF: 29414.6/71

\- 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: 21.893+/-0.060 χ^2/NDF:898.1/18

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

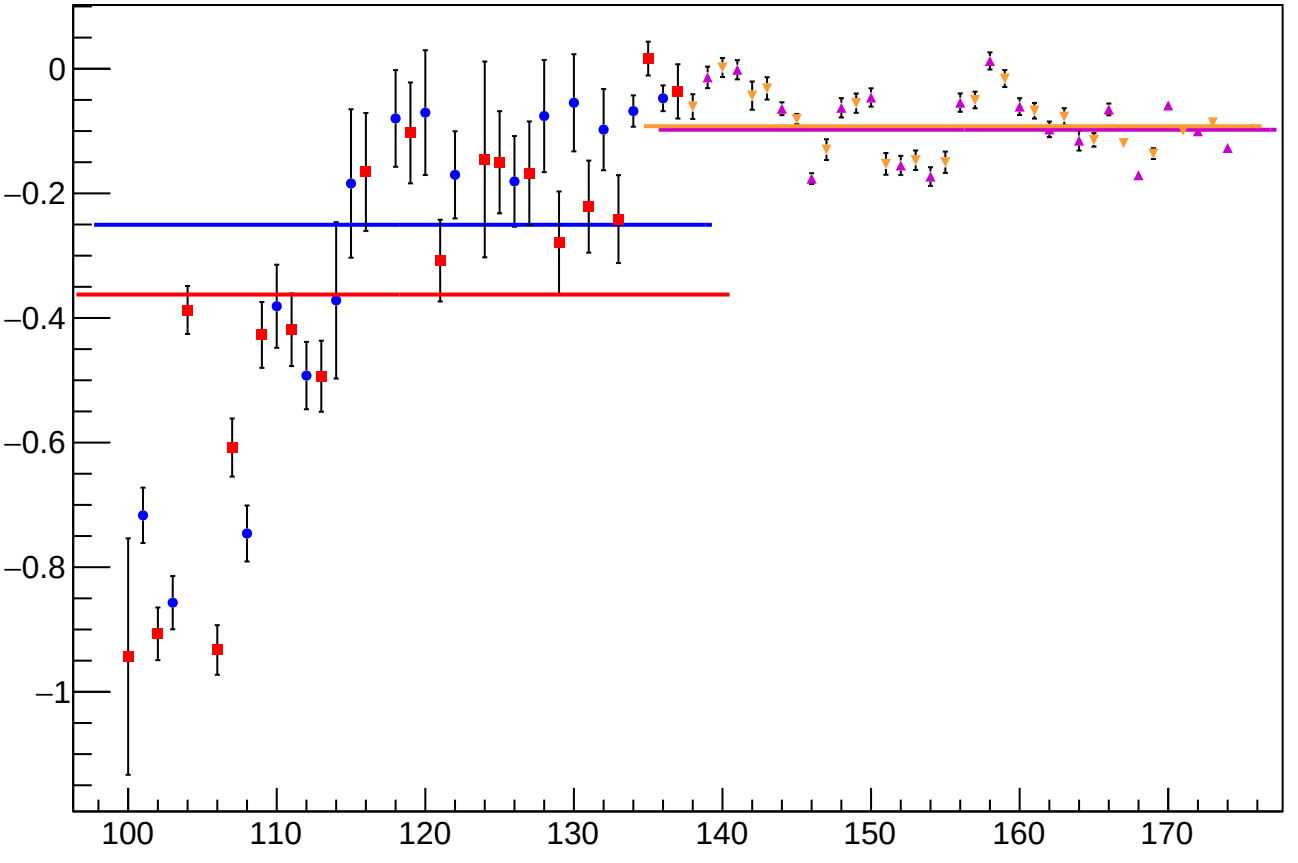
Left In: 22.145+/-0.057 χ^2/NDF:922.7/17

+ sign 21.985+/-0.058 χ^2/NDF: 1940.3/34

All: 22.055+/-0.040 χ^2/NDF: 3427.3/71

- 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: -0.092+/-0.003 χ^2/NDF:194.4/18

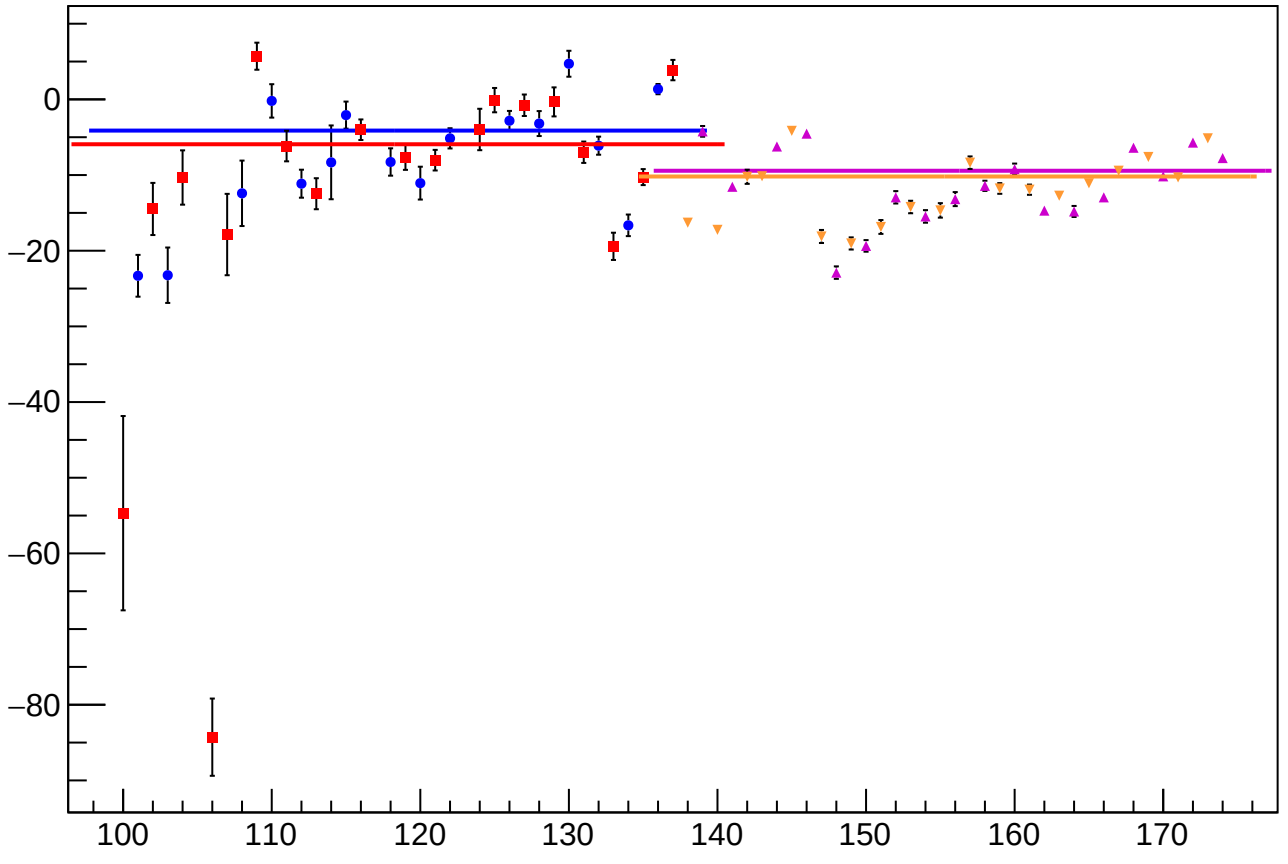
Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

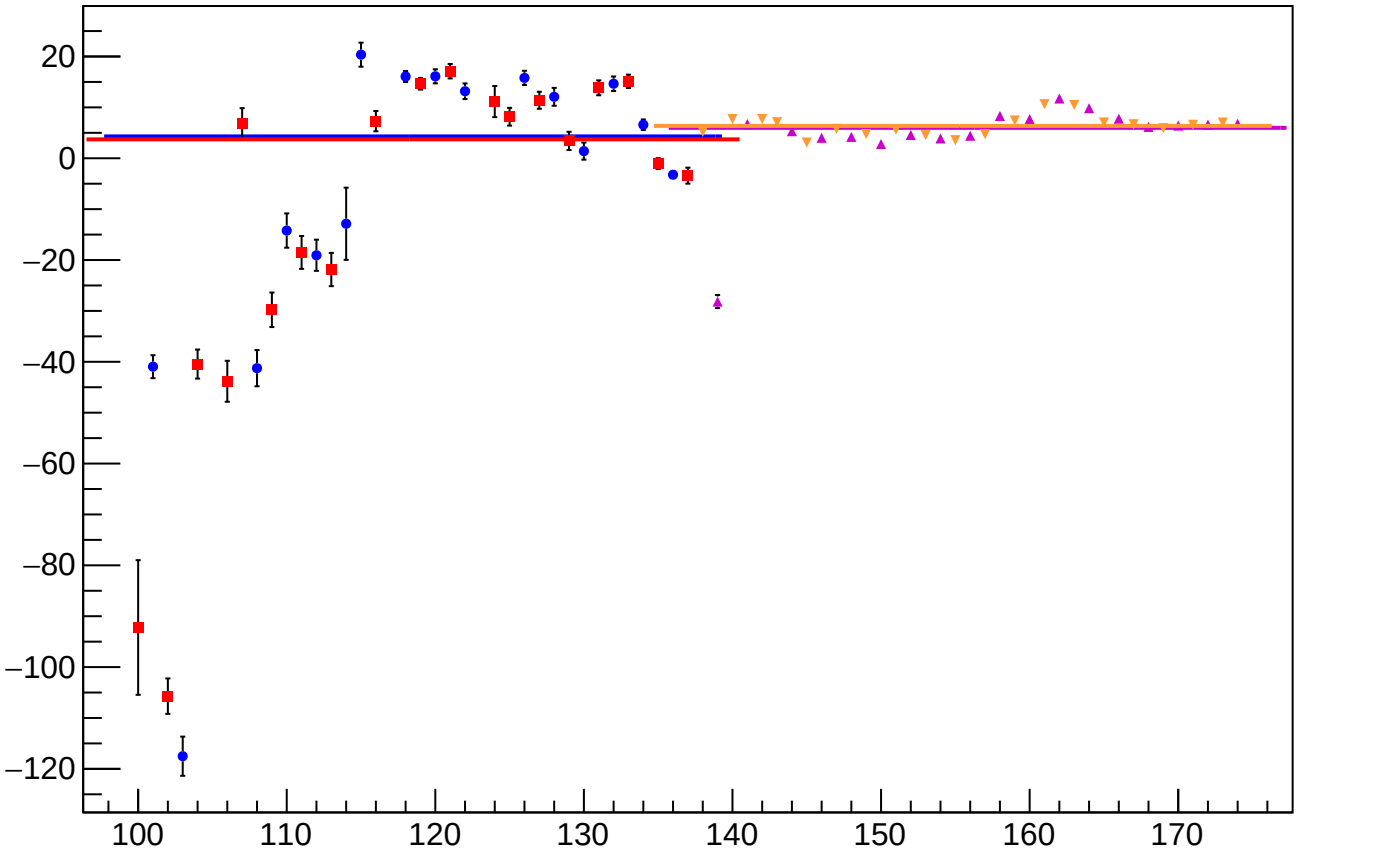
Left In: -0.098+/-0.003 χ^2/NDF:430.3/17

+ sign -0.100+/-0.003 χ^2/NDF: 1002.8/34

All: -0.105+/-0.002 χ^2/NDF: 2582.9/71

- sign -0.109+/-0.003 χ^2/NDF: 1574.3/36


reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -4.124+/-0.382 χ²/NDF: 287.9/15
Left Out: -10.192+/-0.131 χ²/NDF:1051.7/18
Right Out: -5.930+/-0.408 χ²/NDF: 482.6/18
Left In: -9.432+/-0.125 χ²/NDF:1159.8/17
+ sign -9.556+/-0.124 χ²/NDF: 1565.8/34
All: -9.337+/-0.086 χ²/NDF: 3281.8/71
- sign -9.132+/-0.119 χ²/NDF: 1709.9/36



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.365+/-0.095 χ^2/NDF:375.1/18

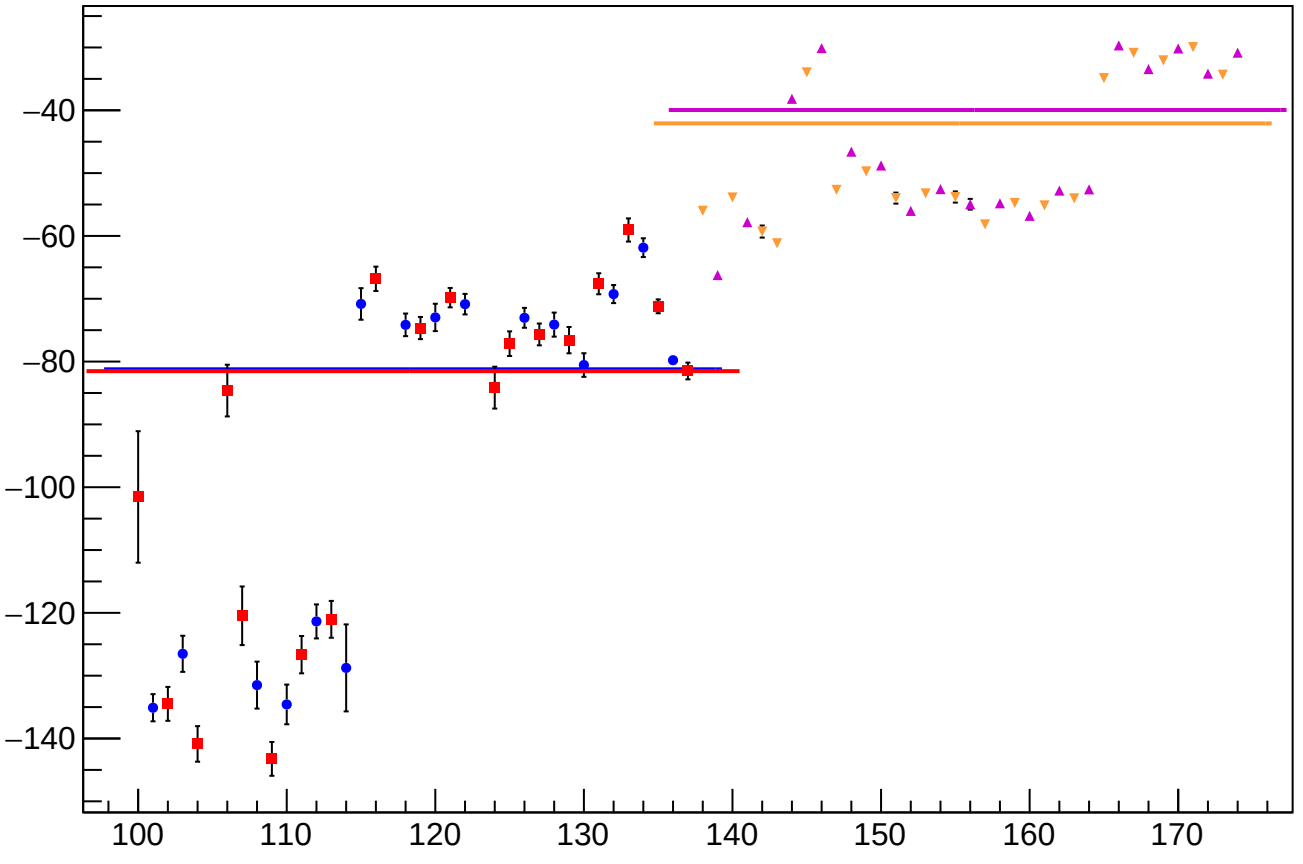
Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 5.981+/-0.092 χ^2/NDF:1143.2/17

+ sign 6.246+/-0.092 χ^2/NDF: 2571.5/34

All: 6.058+/-0.064 χ^2/NDF: 5757.5/71

- sign 5.879+/-0.090 χ^2/NDF: 3177.8/36



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -42.087+/-0.130 χ^2/NDF:7493.8/18

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

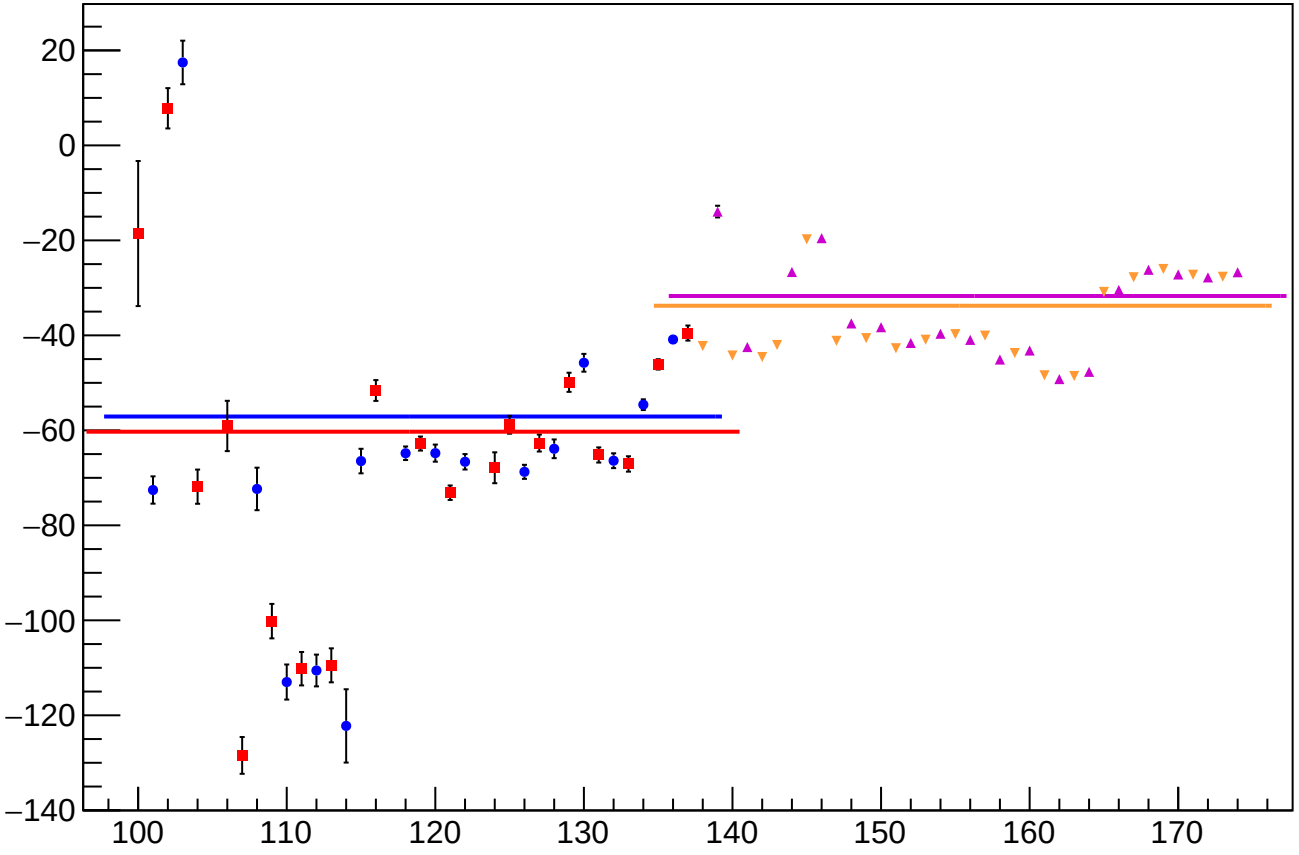
Left In: -39.955+/-0.125 χ^2/NDF:8074.4/17

\+ sign -45.576+/-0.124 χ^2/NDF: 17497.4/34

All: -44.136+/-0.087 χ^2/NDF: 35681.6/71

\- sign -42.786+/-0.120 χ^2/NDF: 17924.7/36

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -33.766+/-0.107 χ^2/NDF:7172.3/18

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

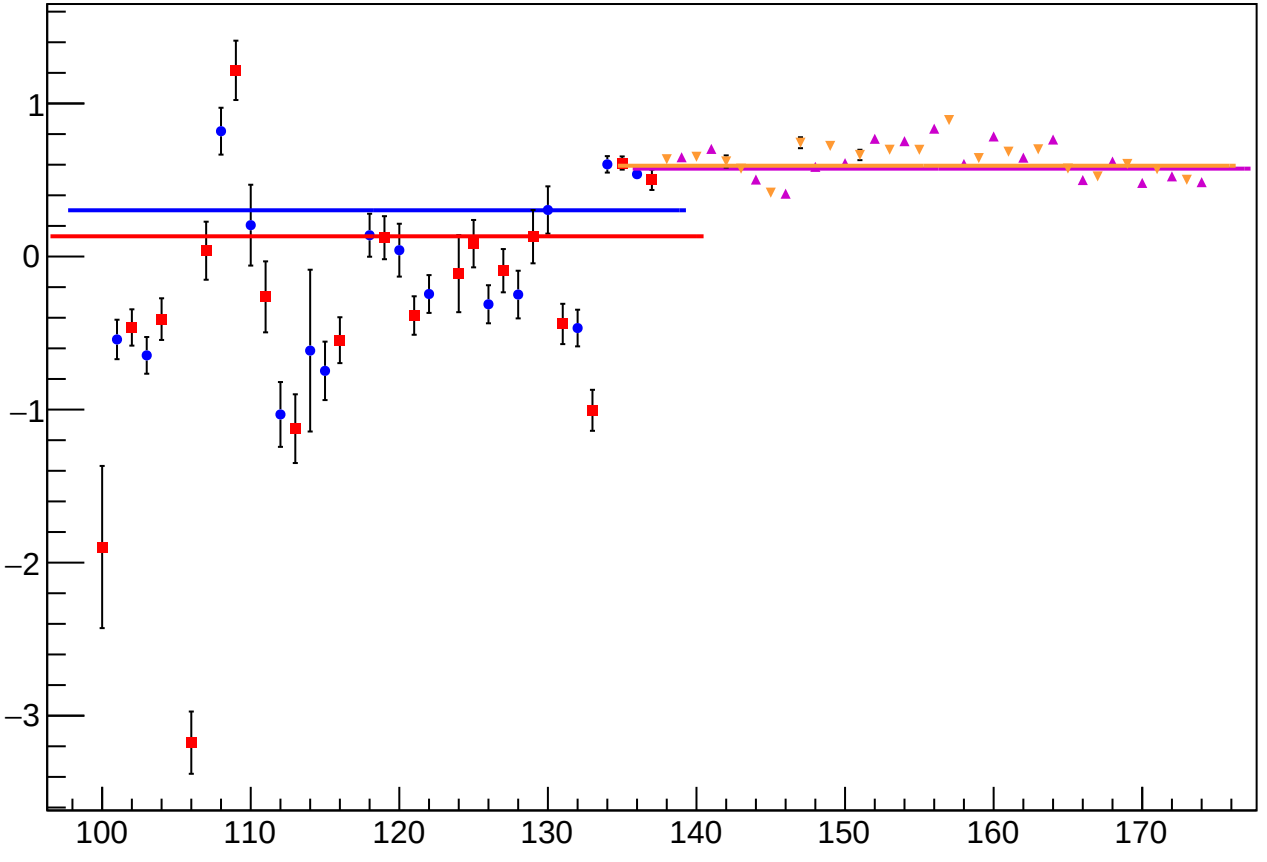
Left In: -31.713+/-0.104 χ^2/NDF:7246.7/17

+ sign -35.154+/-0.104 χ^2/NDF: 11521.6/34

All: -34.072+/-0.073 χ^2/NDF: 24092.4/71

- 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: 0.593+/-0.005 χ^2/NDF:466.9/18

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

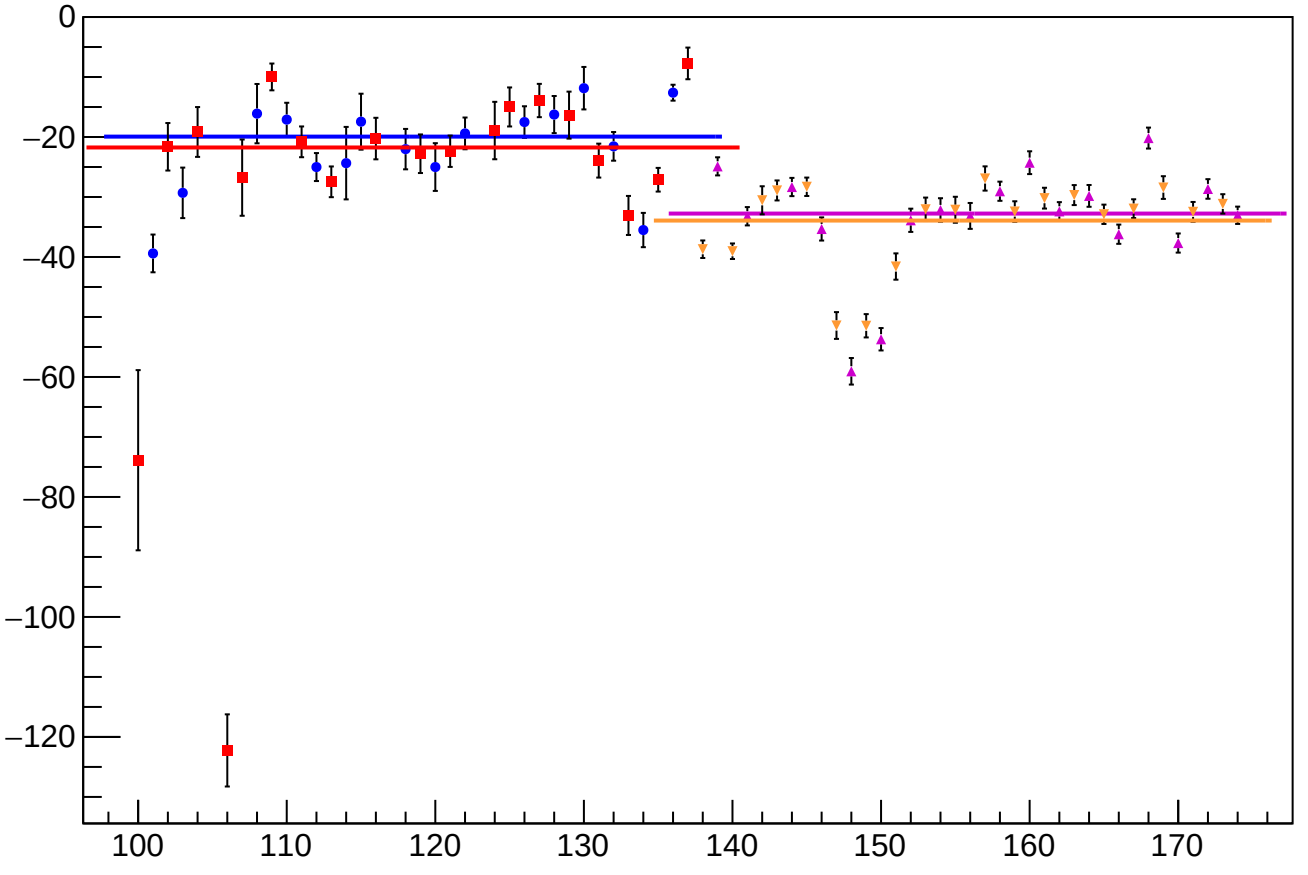
Left In: 0.574+/-0.005 χ^2/NDF:594.9/17

+ sign 0.581+/-0.005 χ^2/NDF: 995.9/34

All: 0.571+/-0.003 χ^2/NDF: 2542.5/71

- 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: -33.928+/-0.399 χ^2/NDF:245.8/18

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

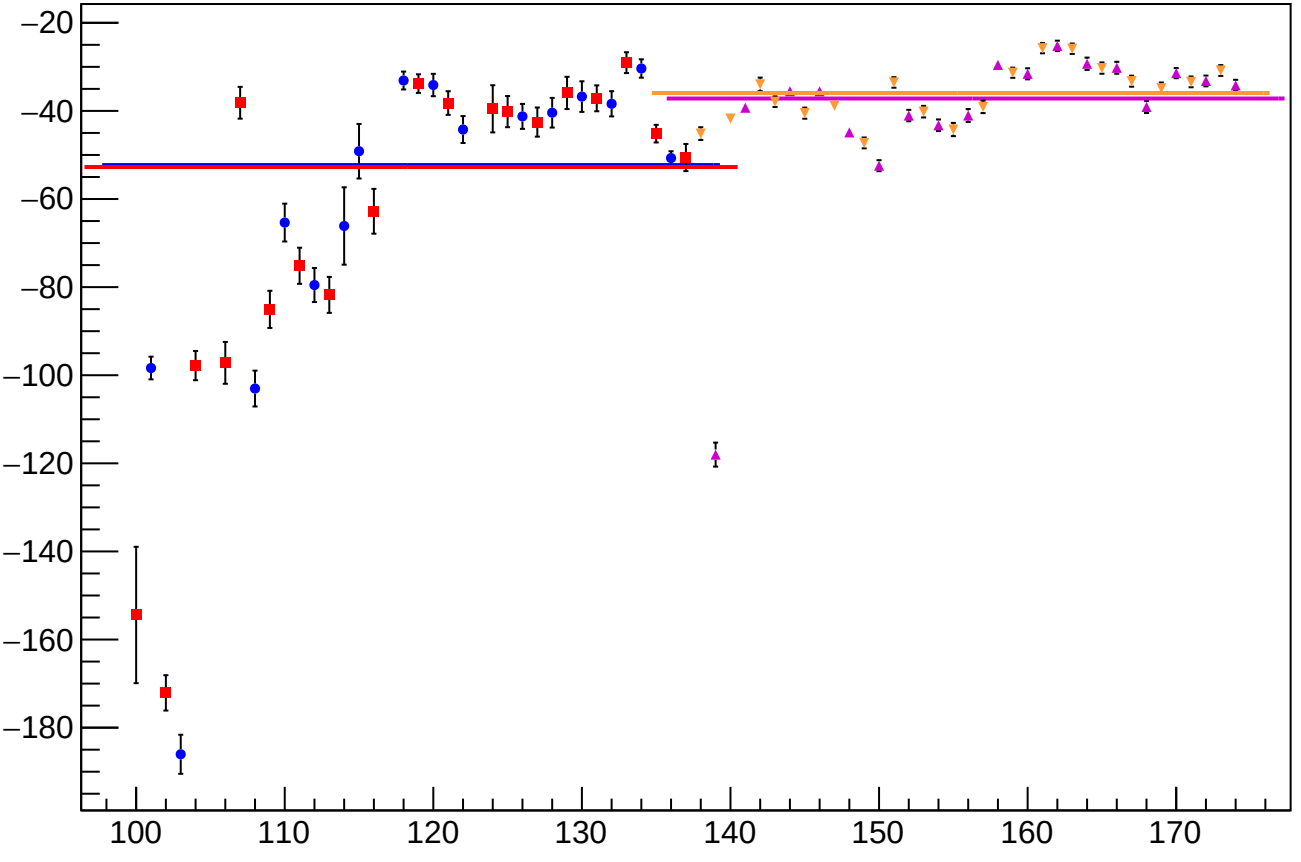
Left In: -32.762+/-0.403 χ^2/NDF:405.4/17

+ sign -30.458+/-0.346 χ^2/NDF: 671.4/34

All: -30.282+/-0.246 χ^2/NDF: 1646.3/71

- 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: -35.933+/-0.286 χ^2/NDF:439.2/18

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

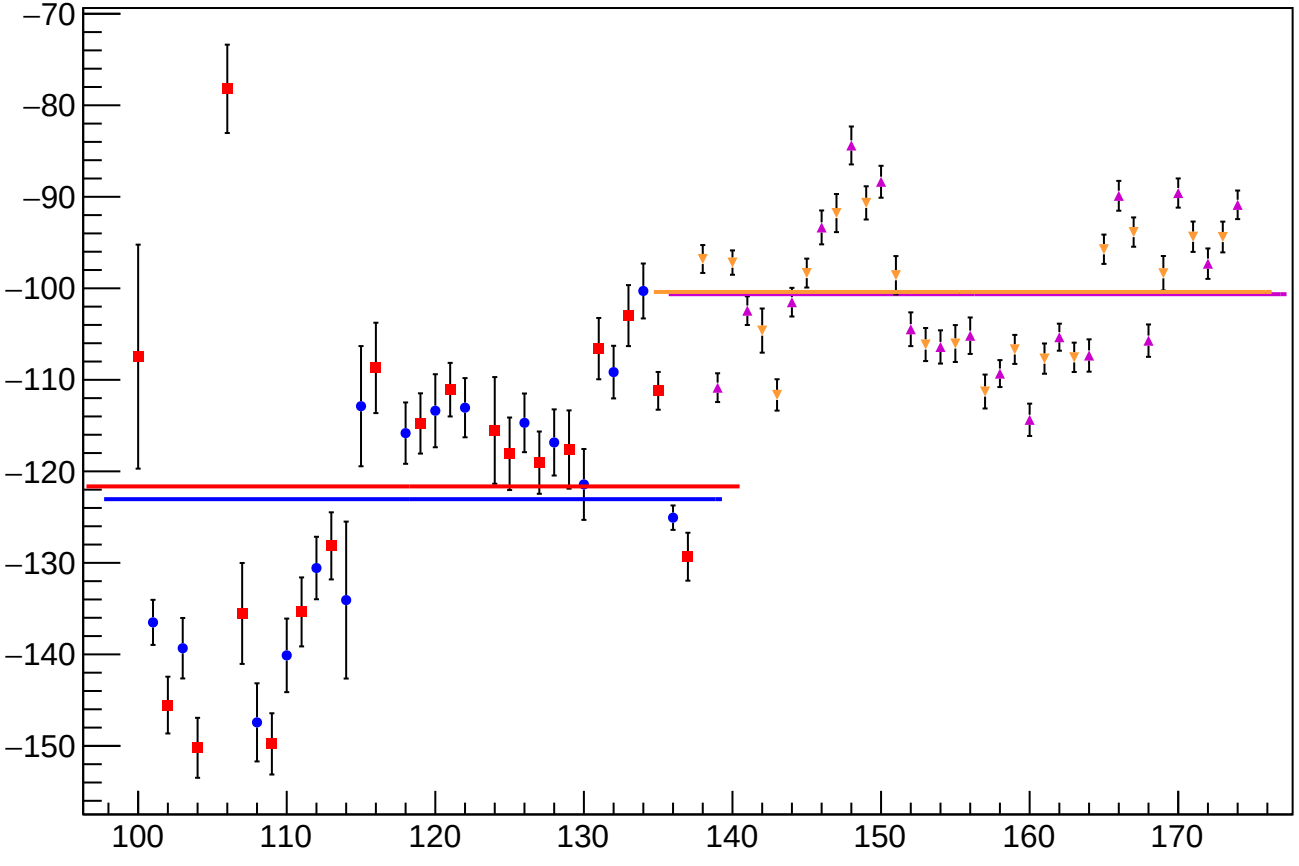
Left In: -37.187+/-0.295 χ^2/NDF:1398.1/17

+ sign -38.225+/-0.265 χ^2/NDF: 2676.6/34

All: -38.733+/-0.191 χ^2/NDF: 6118.7/71

- 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: -100.397+/-0.394 χ^2/NDF:265.6/18

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

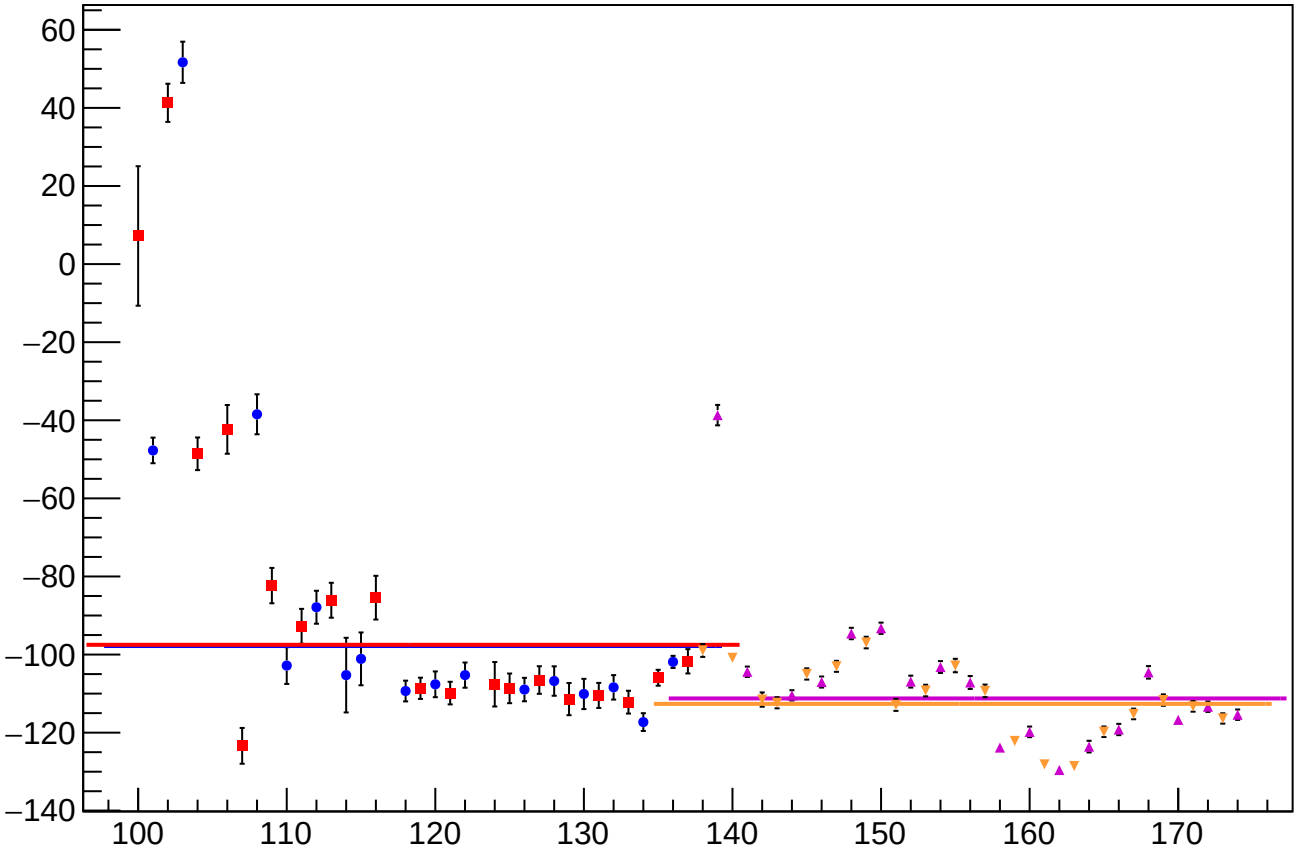
Left In: -100.641+/-0.397 χ^2/NDF:452.5/17

+ sign -105.294+/-0.349 χ^2/NDF: 1206.7/34

All: -105.043+/-0.249 χ^2/NDF: 2636.5/71

- 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: -112.629+/-0.326 χ^2/NDF:800.6/18

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

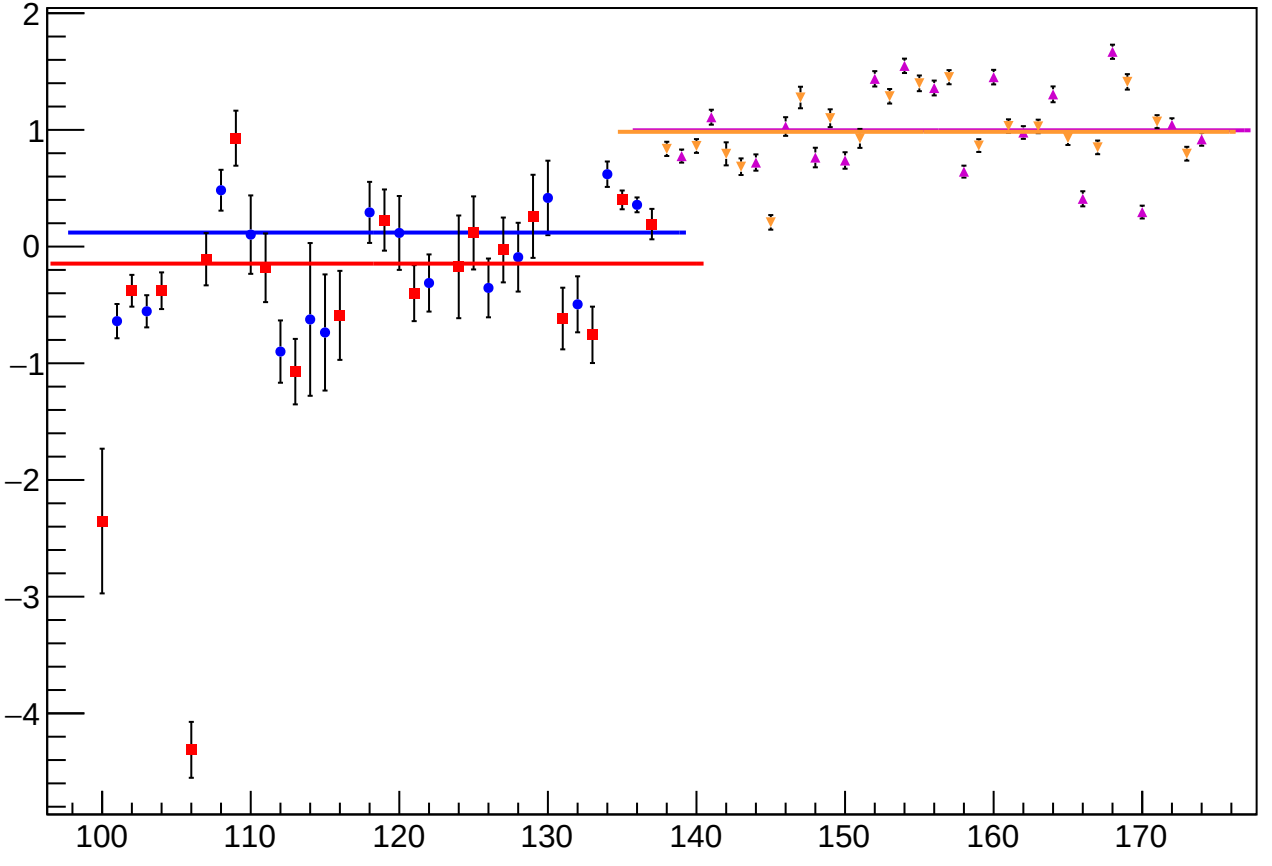
Left In: -111.239+/-0.333 χ^2/NDF:1662.0/17

+ sign -110.487+/-0.302 χ^2/NDF: 2430.0/34

All: -109.949+/-0.216 χ^2/NDF: 5564.7/71

- 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: 0.983+/-0.015 χ^2/NDF:385.6/18

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

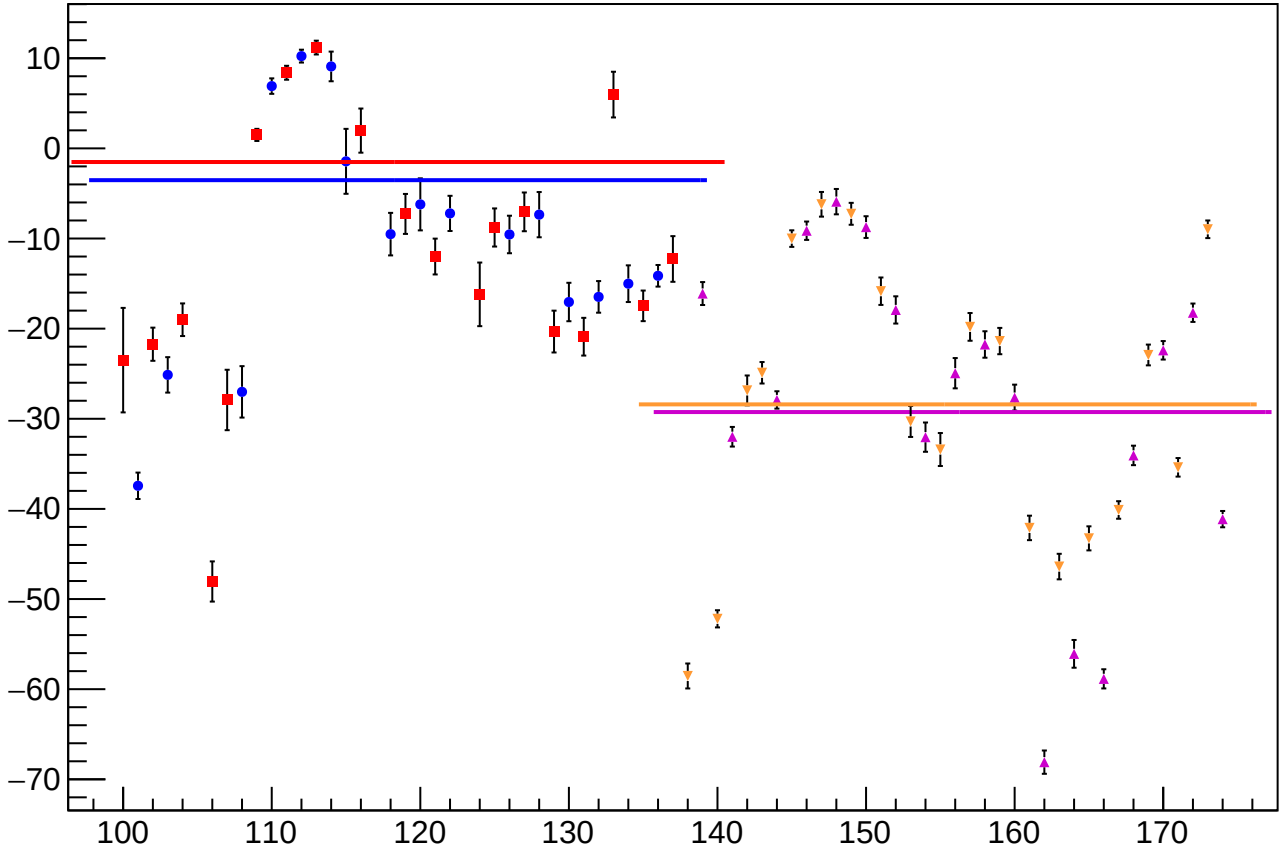
Left In: 0.996+/-0.015 χ^2/NDF:703.4/17

+ sign 0.886+/-0.014 χ^2/NDF: 898.7/34

All: 0.886+/-0.010 χ^2/NDF: 2608.7/71

- 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: -28.403+/-0.283 χ^2/NDF:3197.7/18

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

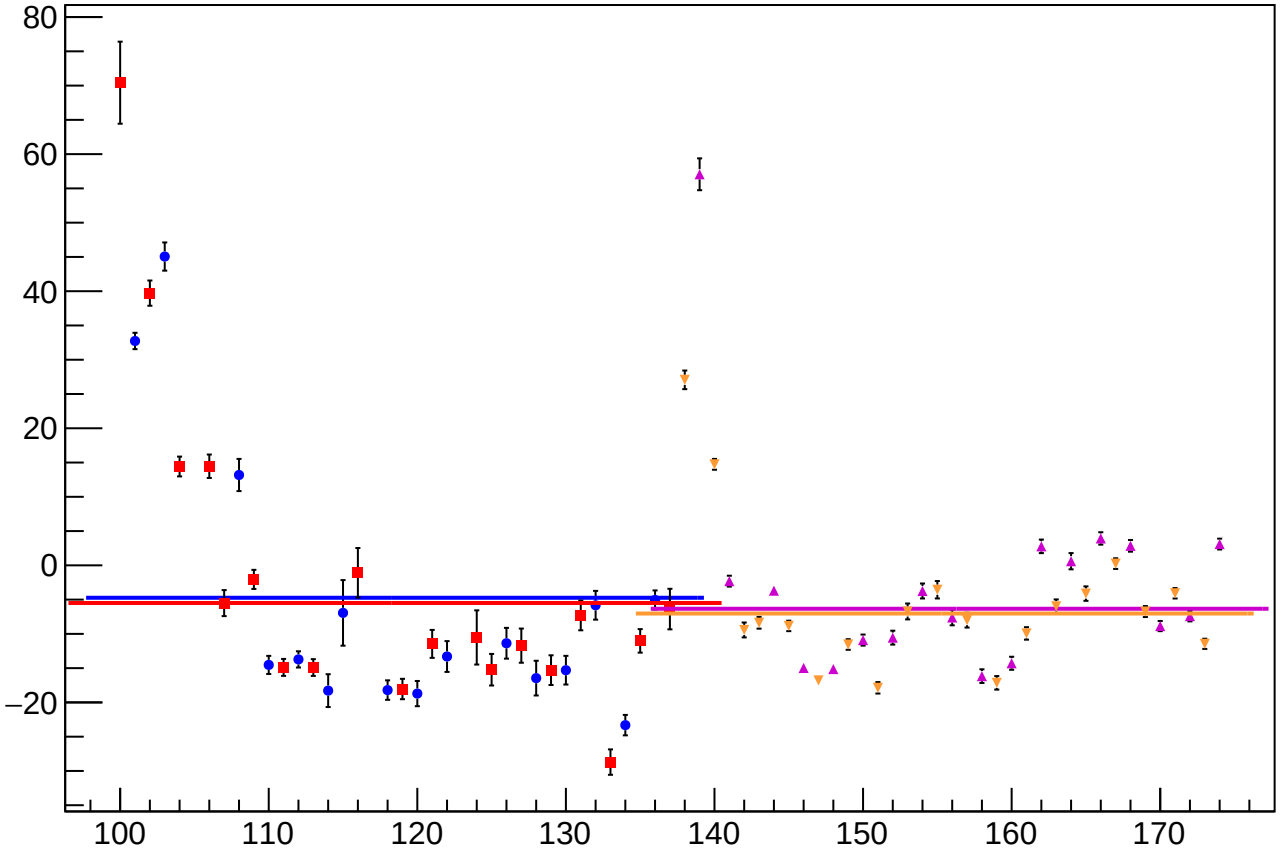
Left In: -29.254+/-0.281 χ^2/NDF:3498.7/17

+ sign -19.411+/-0.227 χ^2/NDF: 7510.3/34

All: -18.650+/-0.156 χ^2/NDF: 16537.7/71

- 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: -7.031+/-0.201 χ^2/NDF:2110.3/18

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

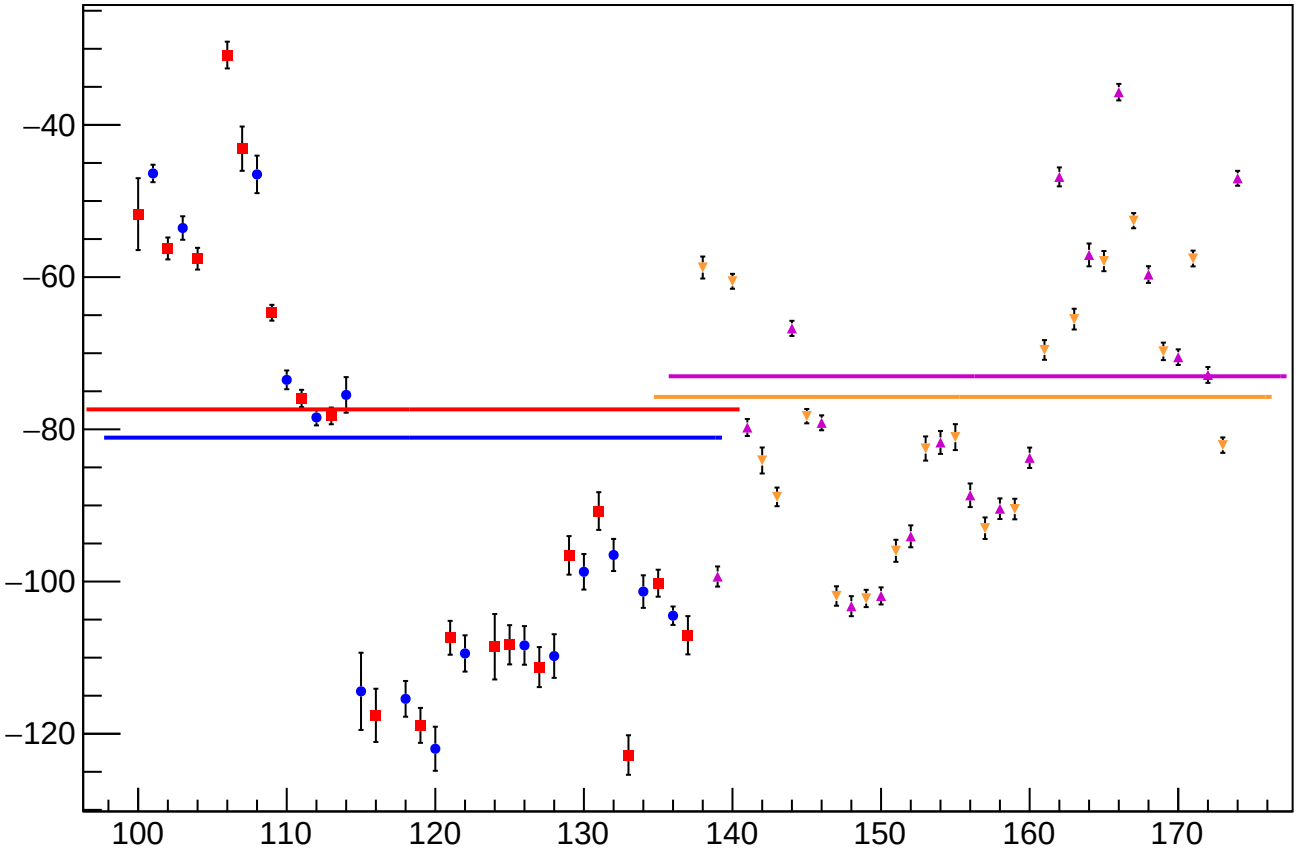
Left In: -6.334+/-0.203 χ^2/NDF:1896.8/17

+ sign -6.619+/-0.182 χ^2/NDF: 4281.7/34

All: -6.398+/-0.129 χ^2/NDF: 7693.3/71

- 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: -75.739+/-0.281 χ^2/NDF:3150.8/18

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

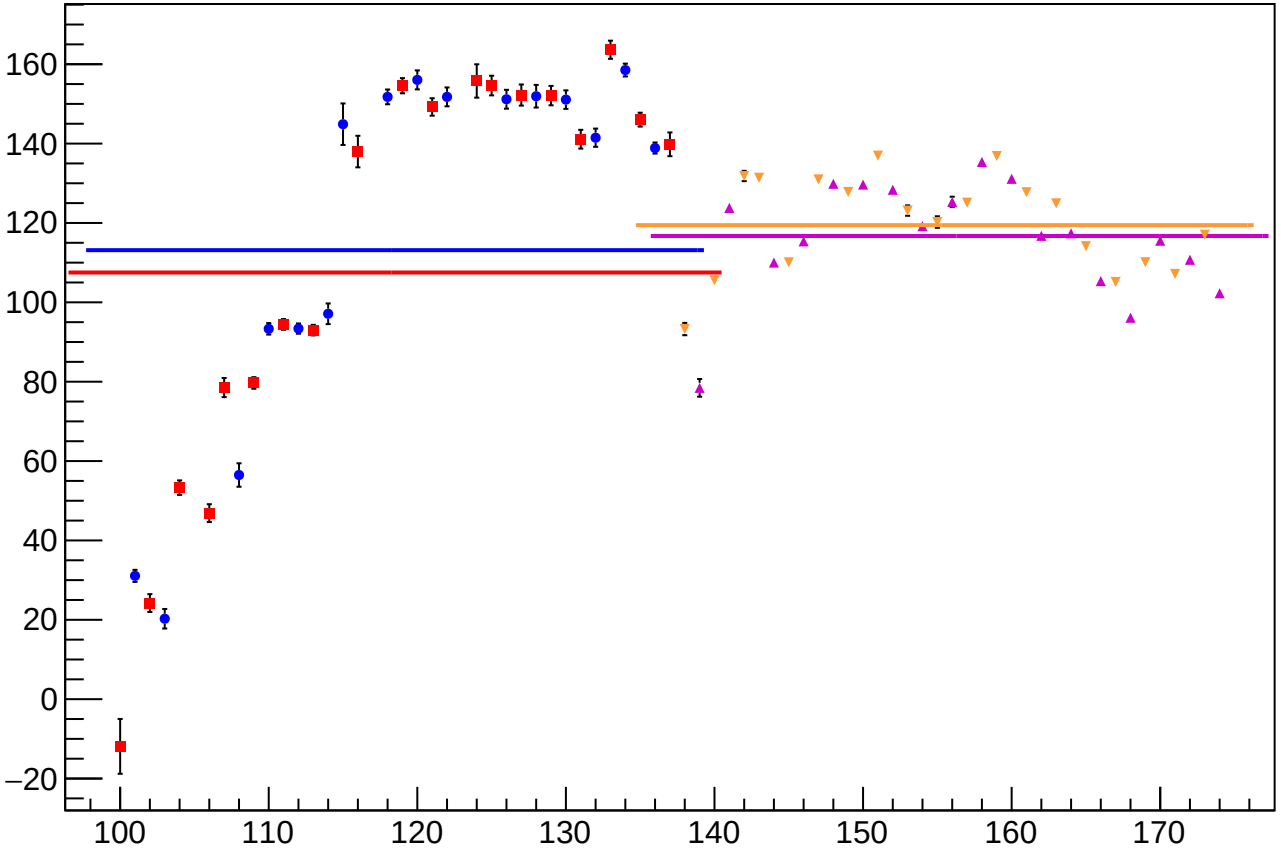
Left In: -73.030+/-0.278 χ^2/NDF:4873.8/17

+ sign -77.297+/-0.237 χ^2/NDF: 6126.8/34

All: -75.801+/-0.165 χ^2/NDF: 14283.9/71

- 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: 119.444+/-0.231 χ^2/NDF:2413.8/18

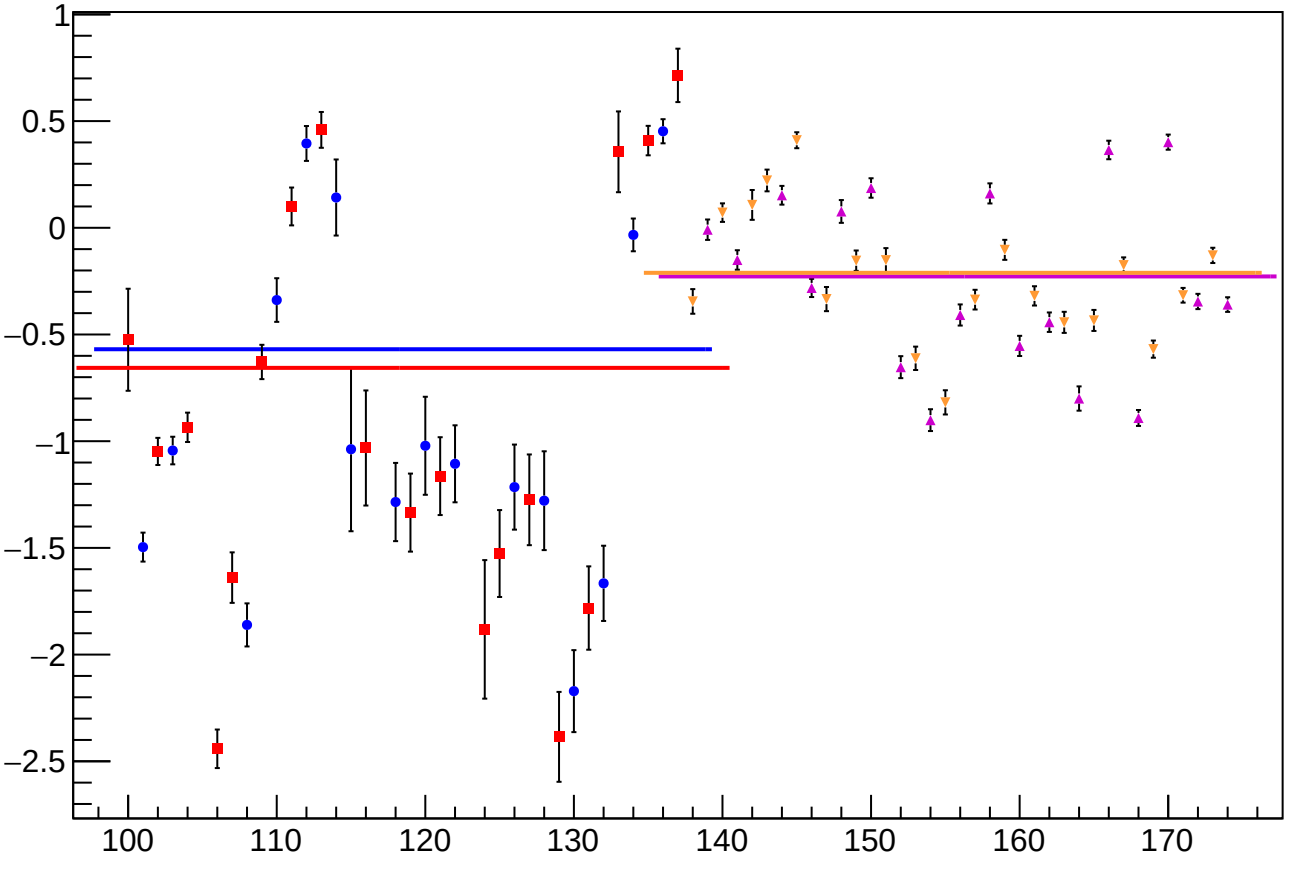
Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 116.715+/-0.232 χ^2/NDF:2388.9/17

+ sign 118.294+/-0.209 χ^2/NDF: 10753.6/34

All: 116.631+/-0.148 χ^2/NDF: 21111.7/71

- sign 114.972+/-0.209 χ^2/NDF: 10231.4/36



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.211+/-0.010 χ^2/NDF:747.2/18

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

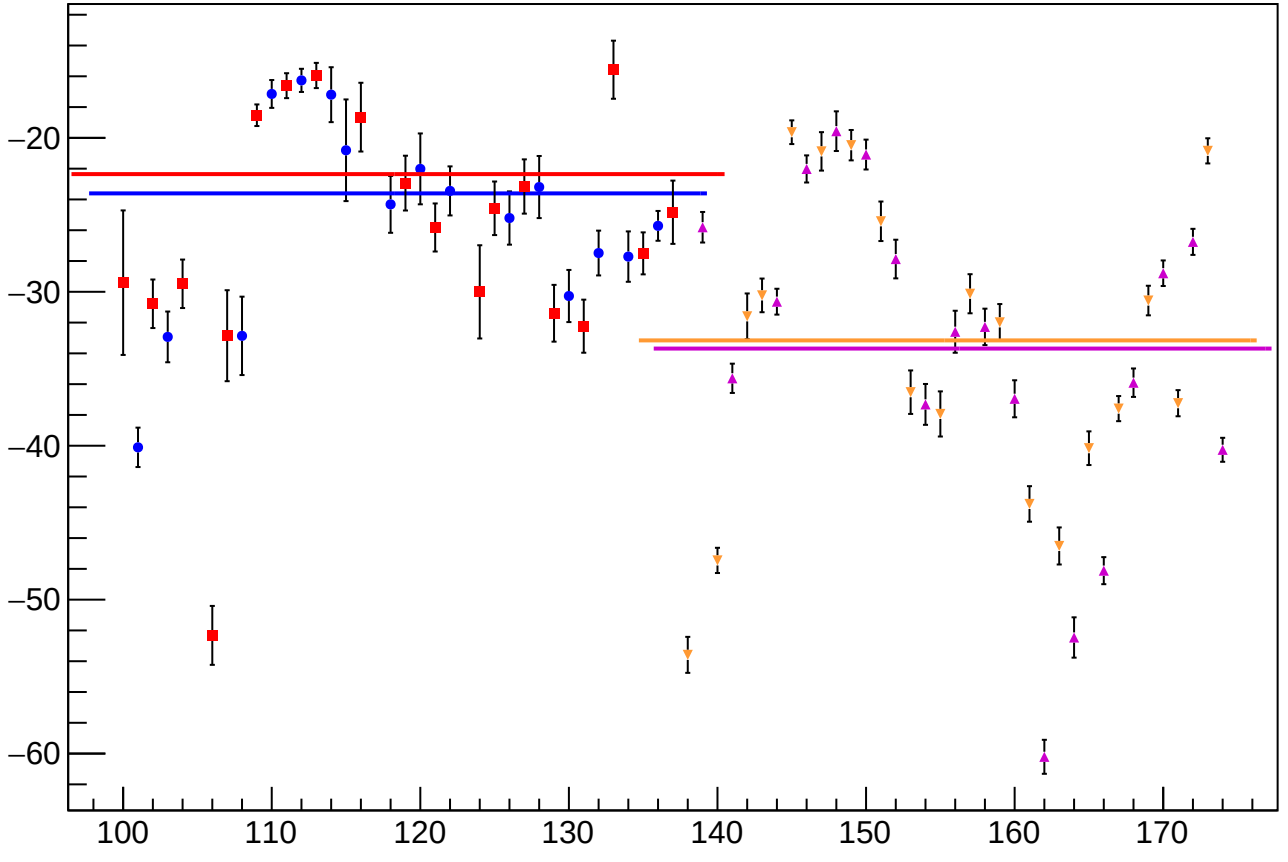
Left In: -0.228+/-0.010 χ^2/NDF:1550.9/17

+ sign -0.262+/-0.010 χ^2/NDF: 2010.0/34

All: -0.276+/-0.007 χ^2/NDF: 5127.5/71

- 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: -33.157+/-0.239 χ^2/NDF:1782.9/18

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

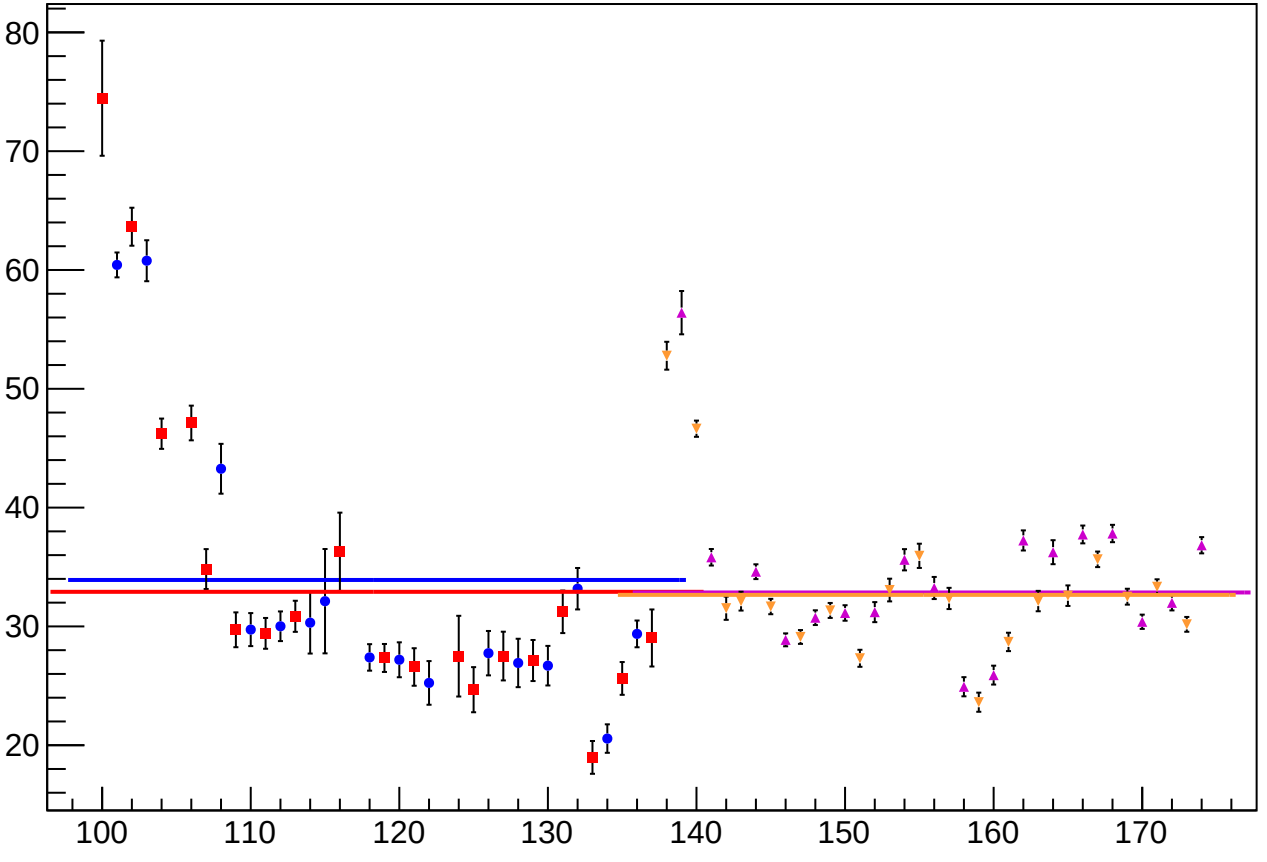
Left In: -33.689+/-0.236 χ^2/NDF:1813.8/17

+ sign -30.100+/-0.197 χ^2/NDF: 2700.4/34

All: -29.908+/-0.137 χ^2/NDF: 5875.3/71

- 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: 32.656+/-0.171 χ^2/NDF:1016.5/18

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

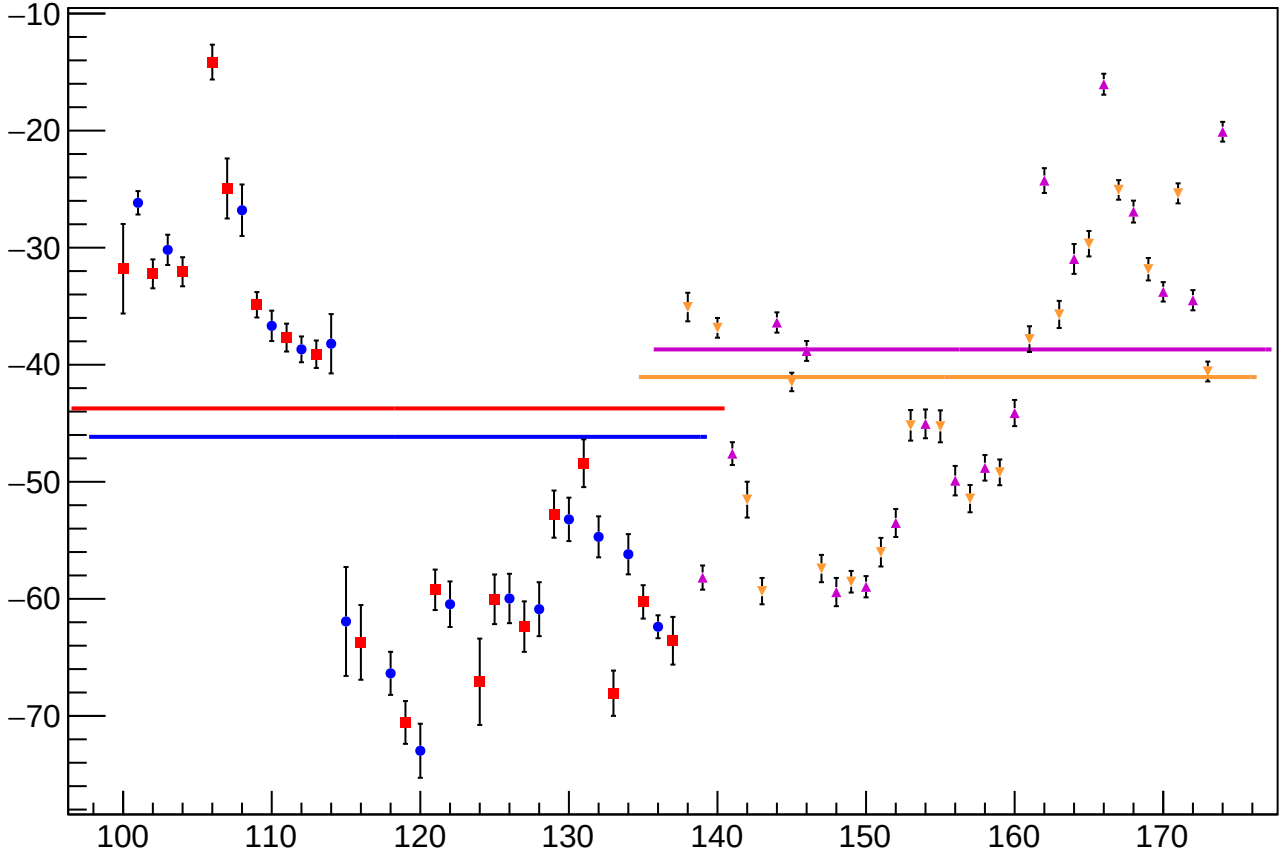
Left In: 32.857+/-0.173 χ^2/NDF:631.5/17

+ sign 32.872+/-0.156 χ^2/NDF: 2210.2/34

All: 32.869+/-0.110 χ^2/NDF: 3716.7/71

- sign 32.866+/-0.157 χ^2/NDF: 1506.5/36

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -41.051+/-0.237 χ^2/NDF:2155.6/18

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

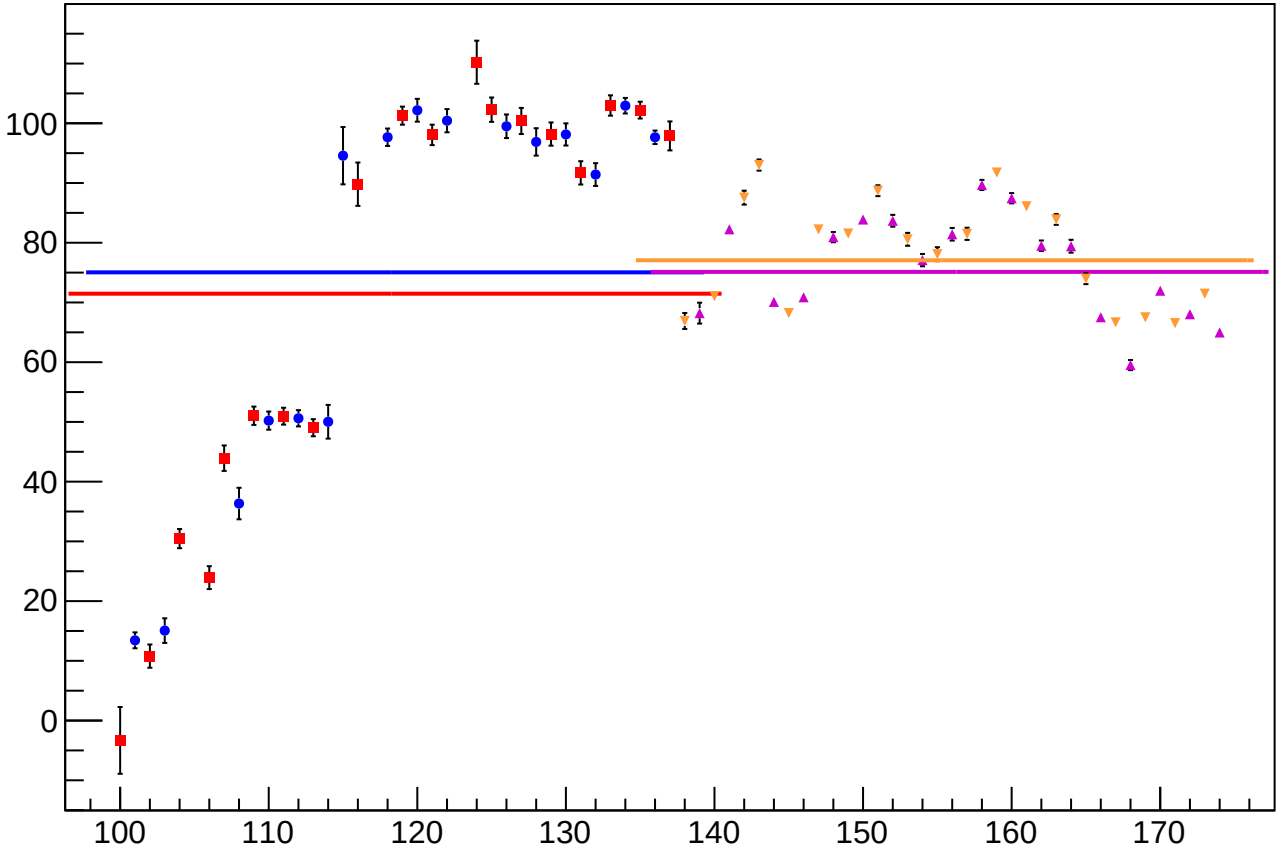
Left In: -38.693+/-0.234 χ^2/NDF:3174.7/17

\+ sign -42.427+/-0.202 χ^2/NDF: 3770.8/34

All: -41.235+/-0.142 χ^2/NDF: 8805.5/71

\- 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: 77.062+/-0.195 χ^2/NDF:2060.9/18

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

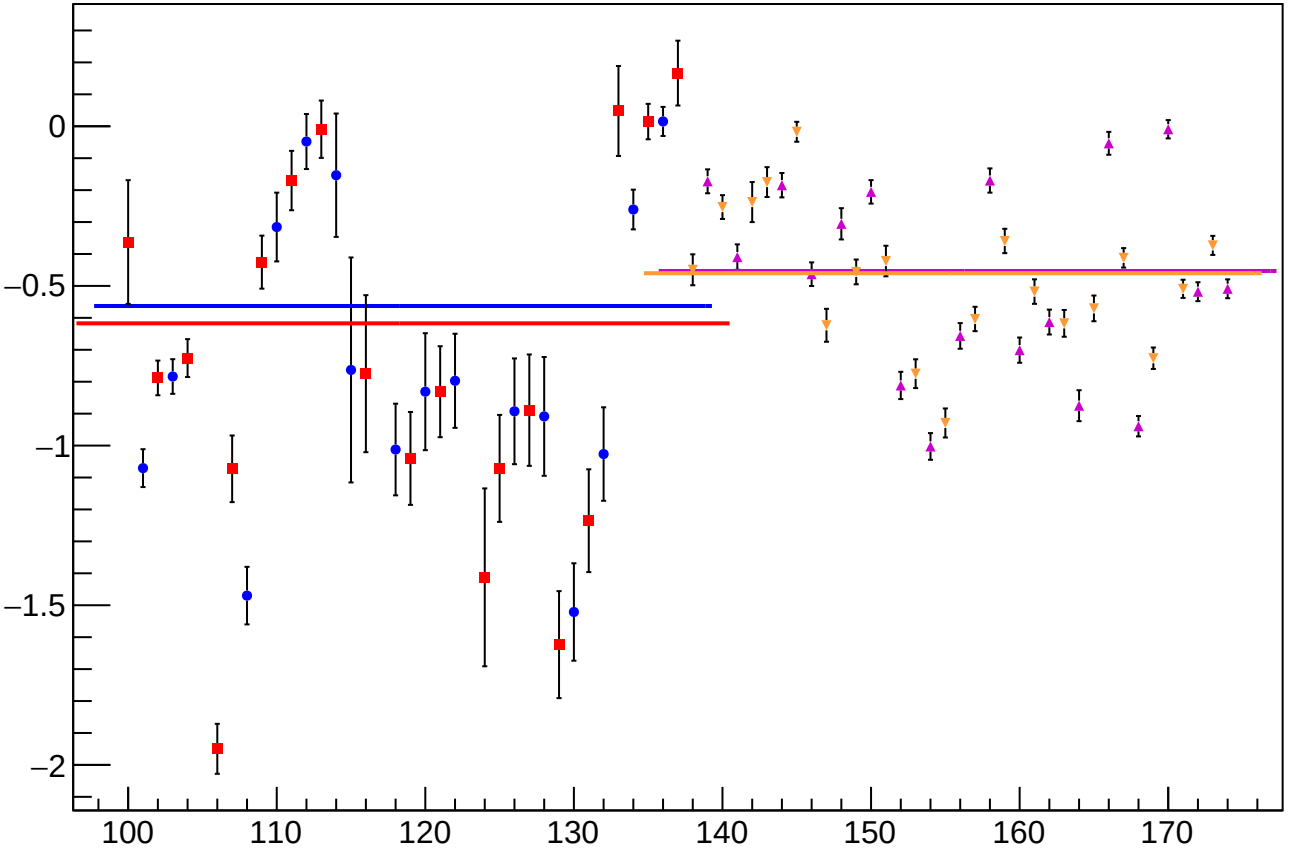
Left In: 75.120+/-0.196 χ^2/NDF:1766.8/17

+ sign 76.712+/-0.178 χ^2/NDF: 7907.7/34

All: 75.598+/-0.126 χ^2/NDF: 15442.1/71

- 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: -0.460+/-0.009 χ^2/NDF:570.1/18

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

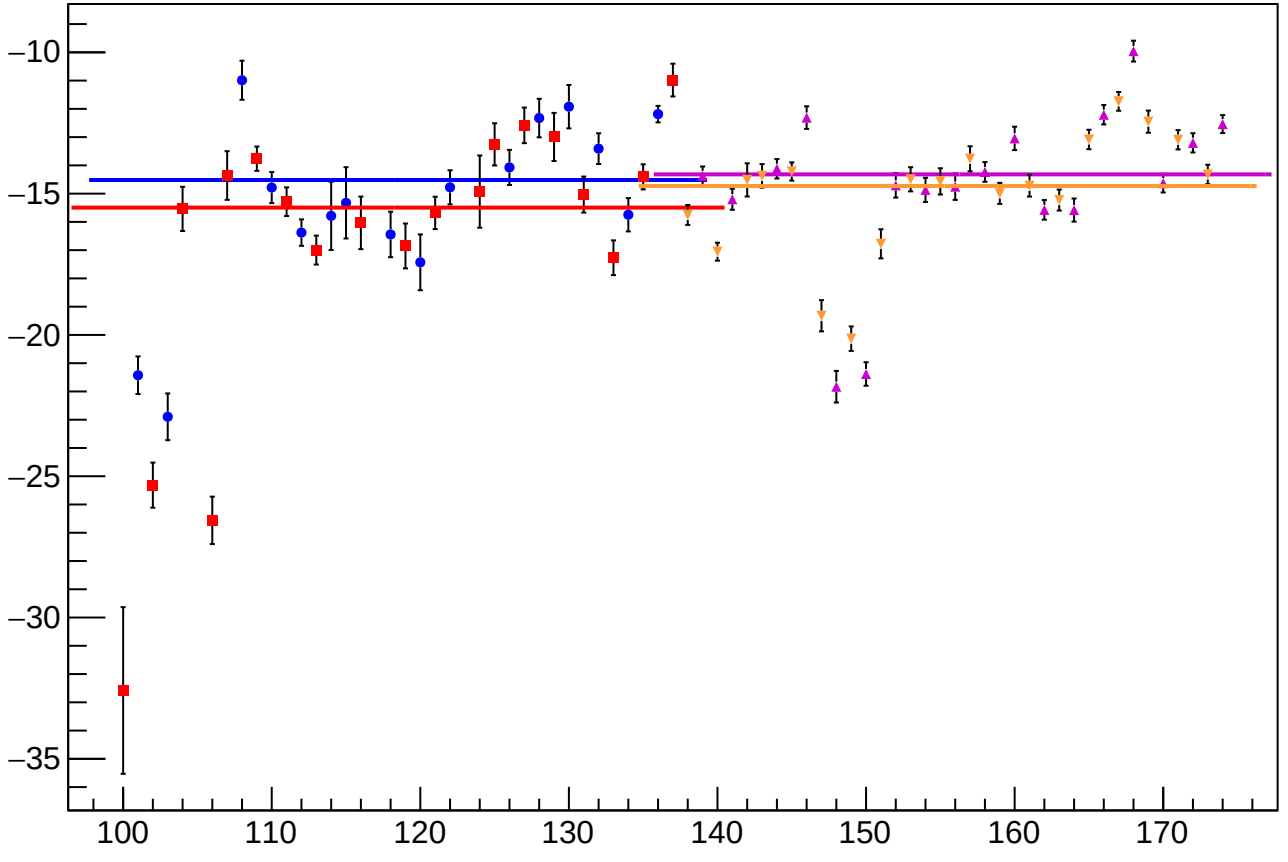
Left In: -0.453+/-0.009 χ^2/NDF:1222.9/17

+ sign -0.474+/-0.008 χ^2/NDF: 1081.6/34

All: -0.475+/-0.006 χ^2/NDF: 3041.9/71

- 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: -14.731+/-0.089 χ^2/NDF:475.6/18

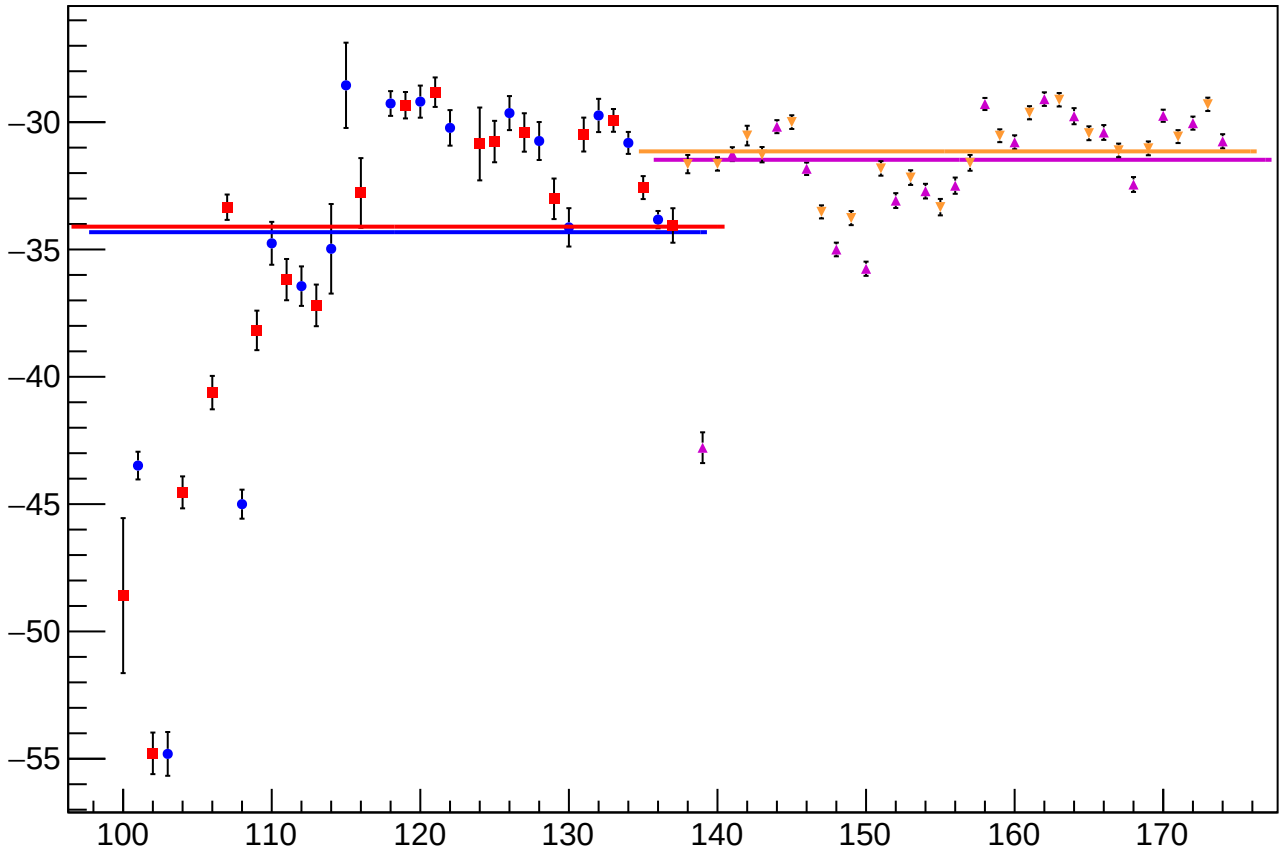
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.318+/-0.089 χ^2/NDF:756.0/17

+ sign -14.675+/-0.077 χ^2/NDF: 840.5/34

All: -14.649+/-0.054 χ^2/NDF: 2146.1/71

- sign -14.623+/-0.076 χ^2/NDF: 1305.4/36



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.147+/-0.064 χ^2/NDF:428.0/18

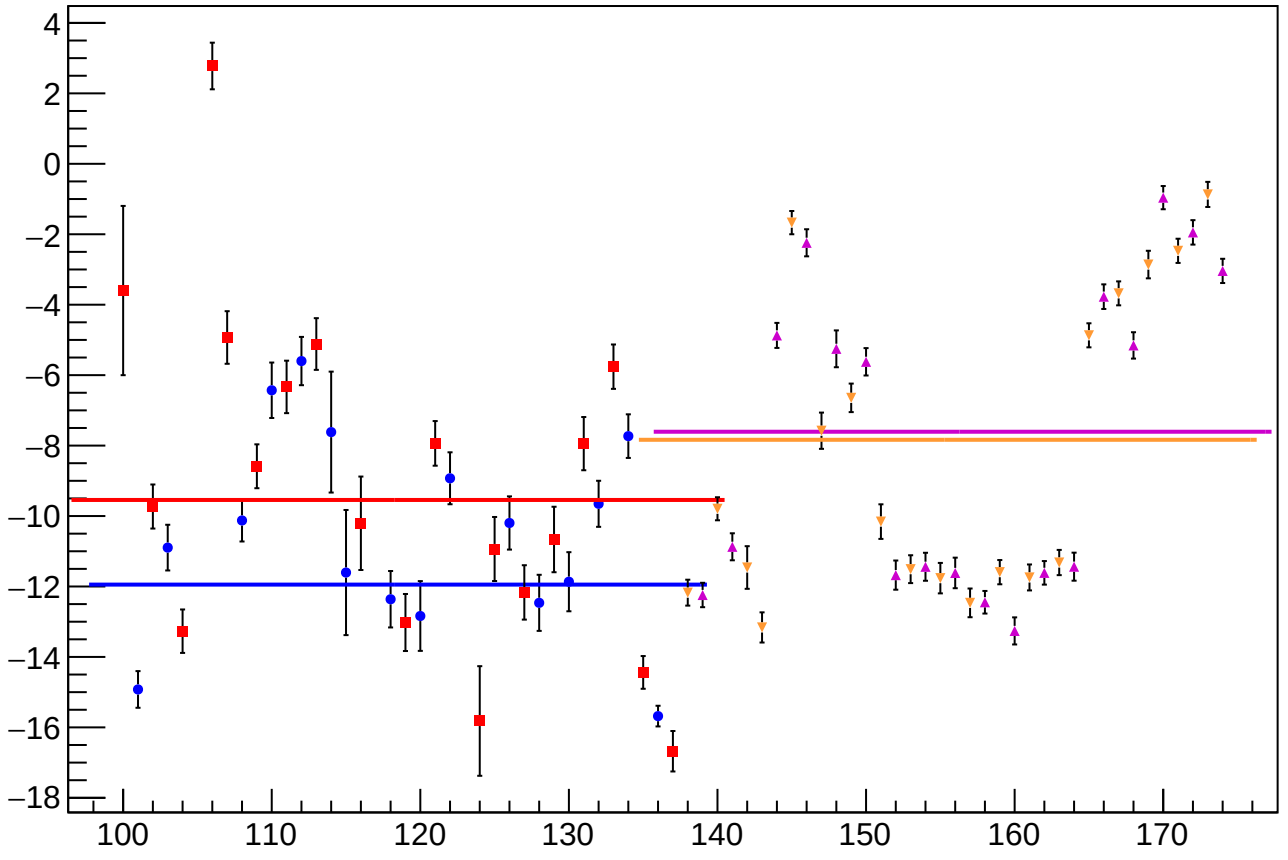
Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.478+/-0.066 χ^2/NDF:1158.6/17

+ sign -31.622+/-0.059 χ^2/NDF: 2413.1/34

All: -31.749+/-0.042 χ^2/NDF: 5261.5/71

- sign -31.881+/-0.060 χ^2/NDF: 2839.0/36



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -7.835+/-0.088 χ^2/NDF:2382.4/18

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

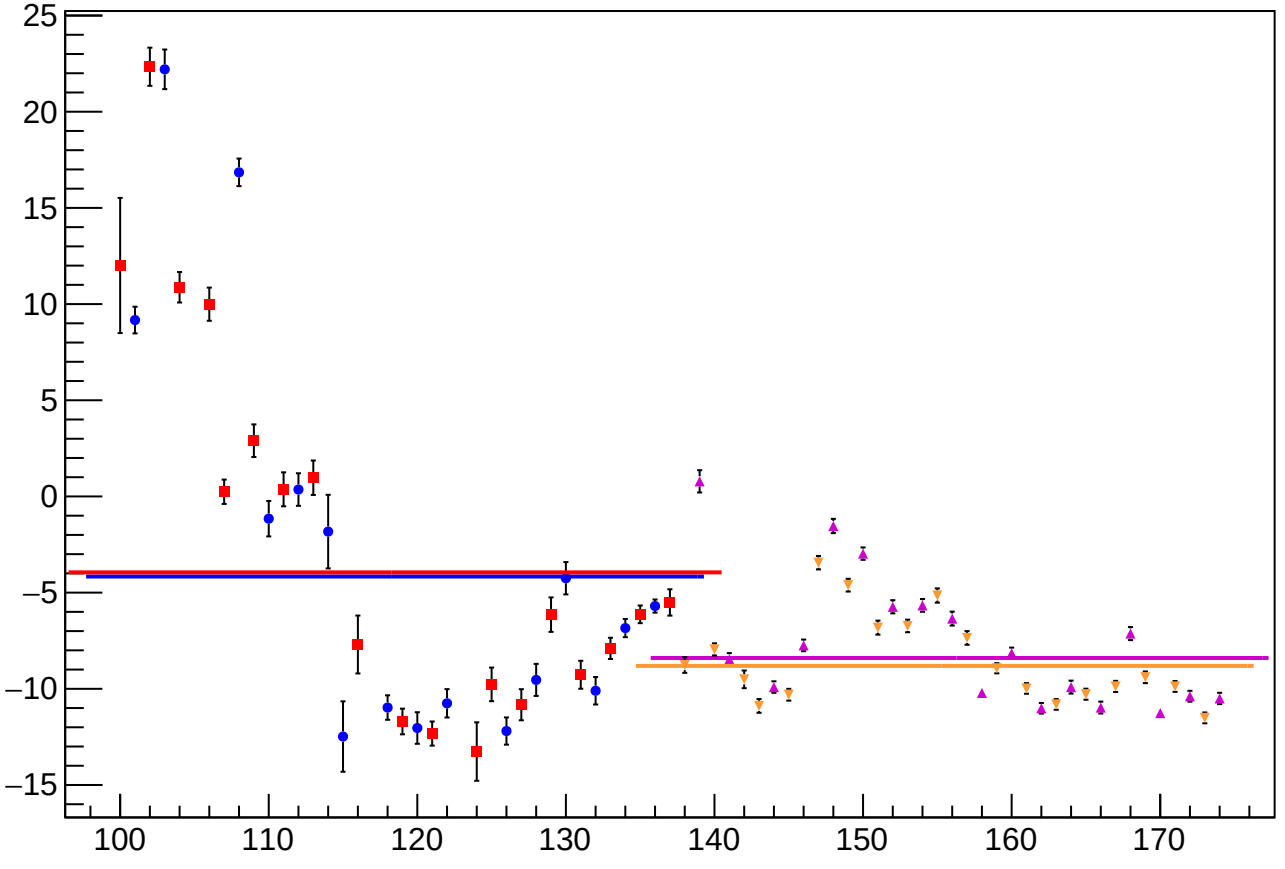
Left In: -7.607+/-0.088 χ^2/NDF:2519.1/17

+ sign -8.786+/-0.077 χ^2/NDF: 3319.0/34

All: -8.410+/-0.055 χ^2/NDF: 6840.5/71

- 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: -8.809+/-0.073 χ^2/NDF:865.1/18

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

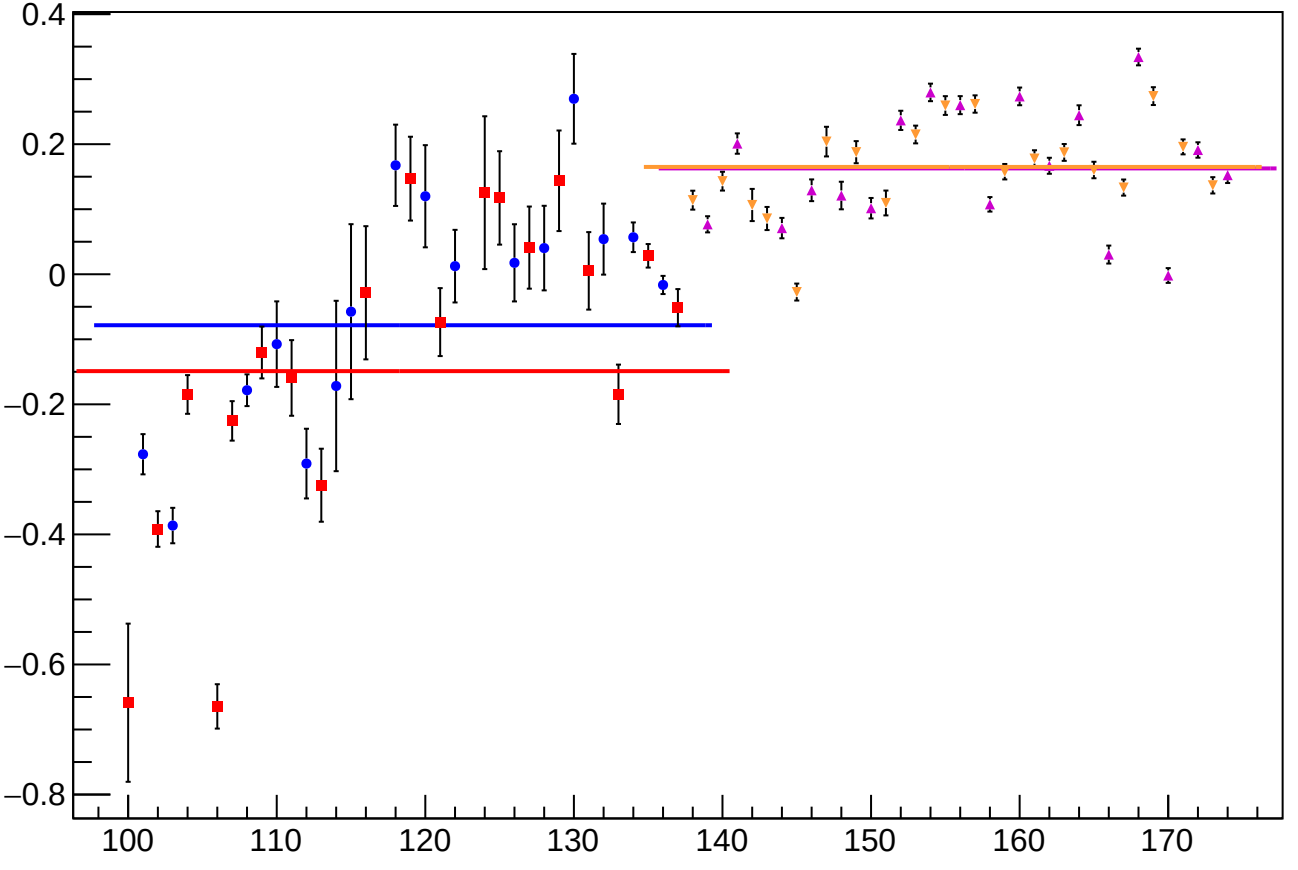
Left In: -8.398+/-0.074 χ^2/NDF:1535.1/17

+ sign -8.103+/-0.067 χ^2/NDF: 4009.4/34

All: -7.921+/-0.048 χ^2/NDF: 8213.6/71

- sign -7.733+/-0.068 χ^2/NDF: 4189.2/36

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.165+/-0.003 χ^2/NDF:466.2/18

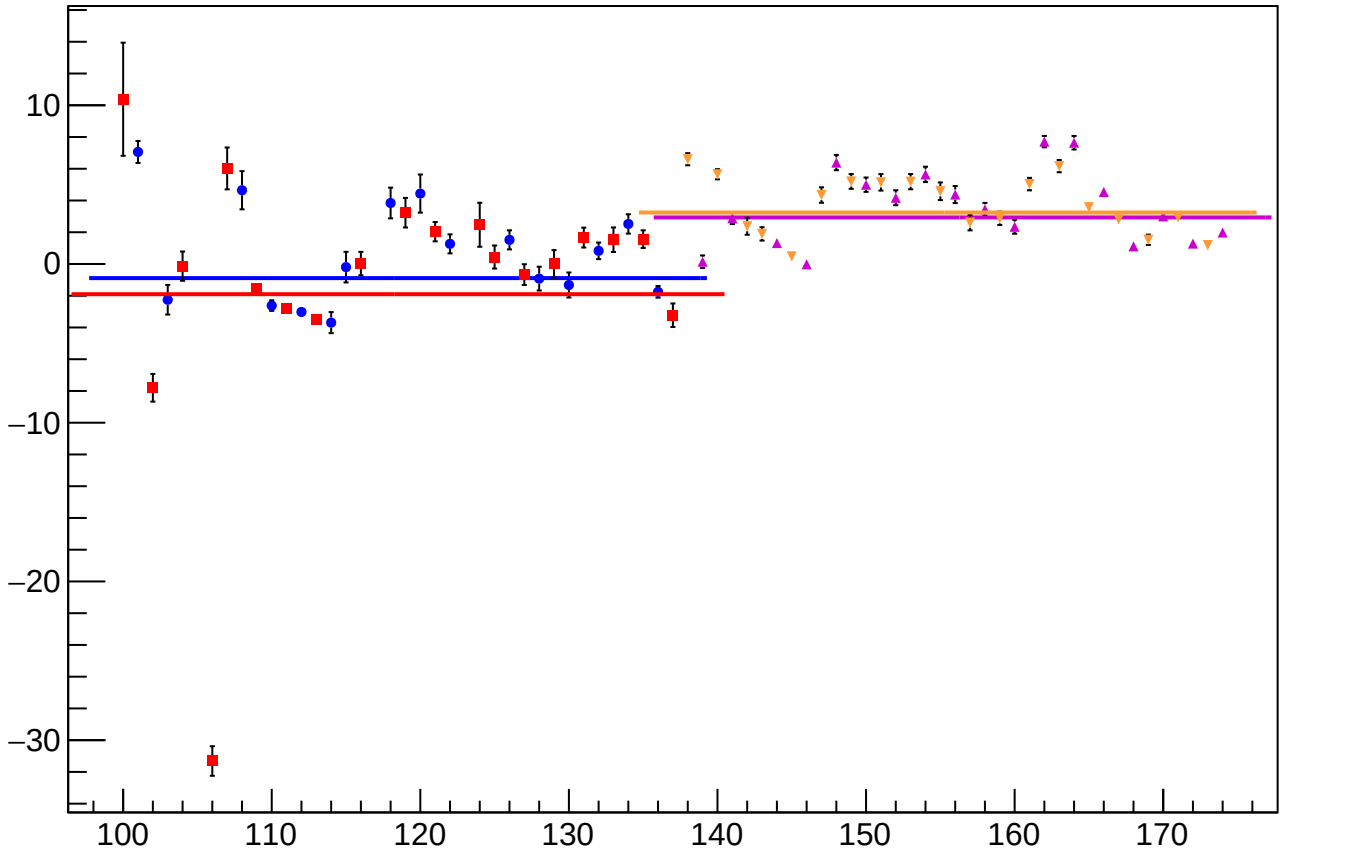
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.163+/-0.003 χ^2/NDF:867.2/17

+ sign 0.135+/-0.003 χ^2/NDF: 1490.7/34

All: 0.131+/-0.002 χ^2/NDF: 3933.8/71

- 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: 3.244+/-0.083 χ^2/NDF:500.6/18

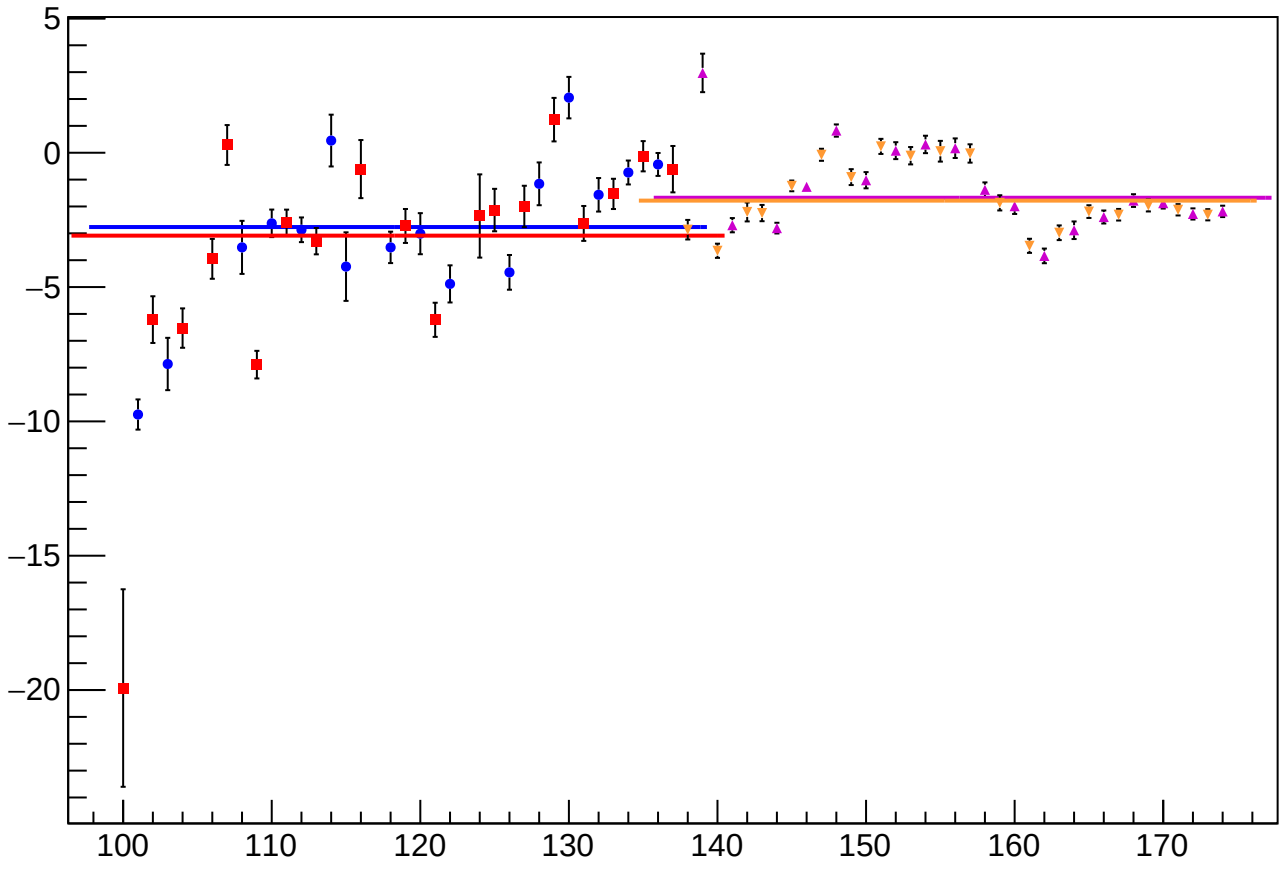
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 2.934+/-0.081 χ^2/NDF:721.7/17

+ sign 2.127+/-0.071 χ^2/NDF: 1549.2/34

All: 1.827+/-0.049 χ^2/NDF: 4649.6/71

- 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: -1.782+/-0.060 χ^2/NDF:342.7/18

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

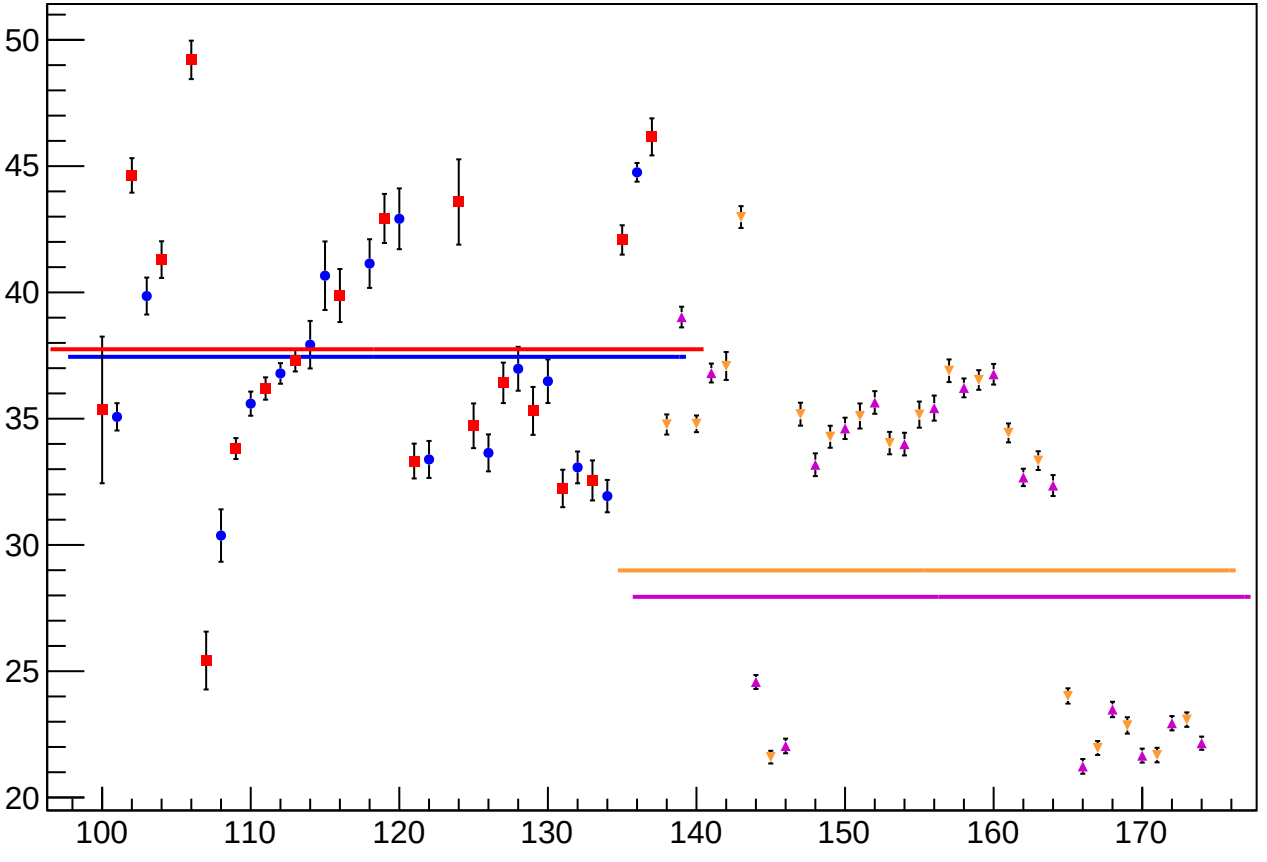
Left In: -1.676+/-0.059 χ^2/NDF:416.3/17

+ sign -1.908+/-0.056 χ^2/NDF: 687.4/34

All: -1.879+/-0.039 χ^2/NDF: 1446.8/71

- 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: 28.992+/-0.083 χ^2/NDF:6768.9/18

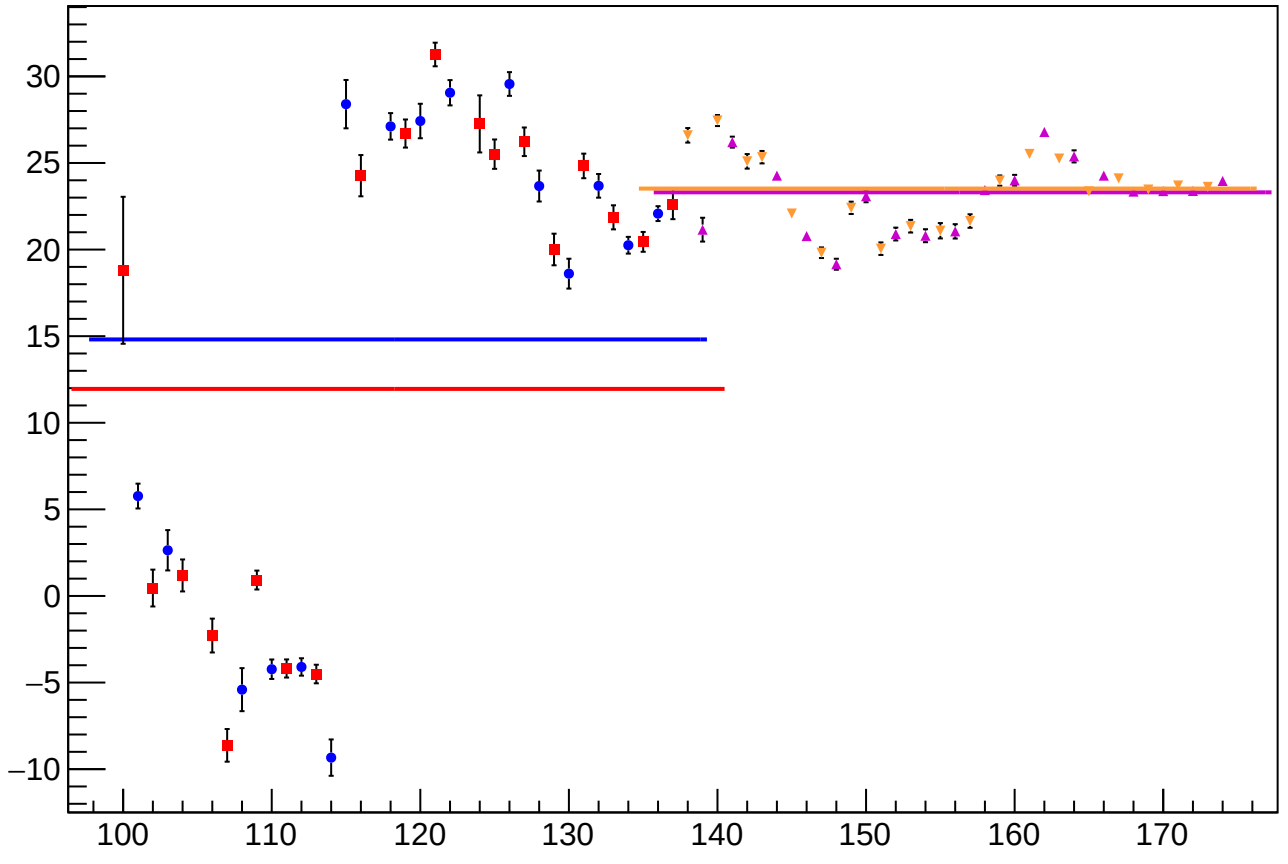
Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 27.945+/-0.081 χ^2/NDF:6250.7/17

+ sign 30.760+/-0.073 χ^2/NDF: 9665.6/34

All: 30.352+/-0.052 χ^2/NDF: 19946.4/71

- 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: 23.523+/-0.068 χ^2/NDF:716.1/18

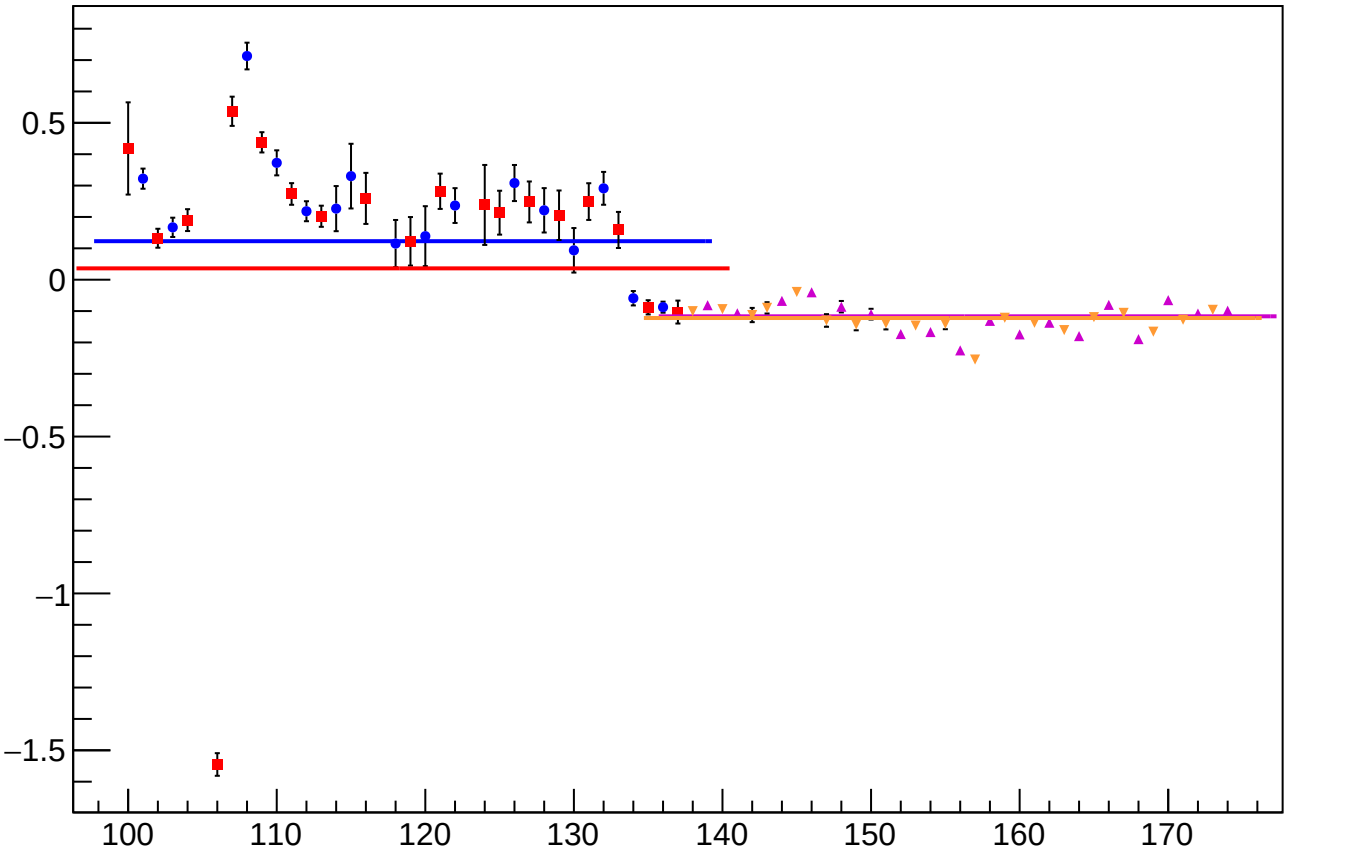
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.305+/-0.067 χ^2/NDF:741.3/17

+ sign 22.371+/-0.063 χ^2/NDF: 8580.2/34

All: 22.118+/-0.045 χ^2/NDF: 19056.8/71

- 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: -0.122+/-0.003 χ^2/NDF:199.0/18

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

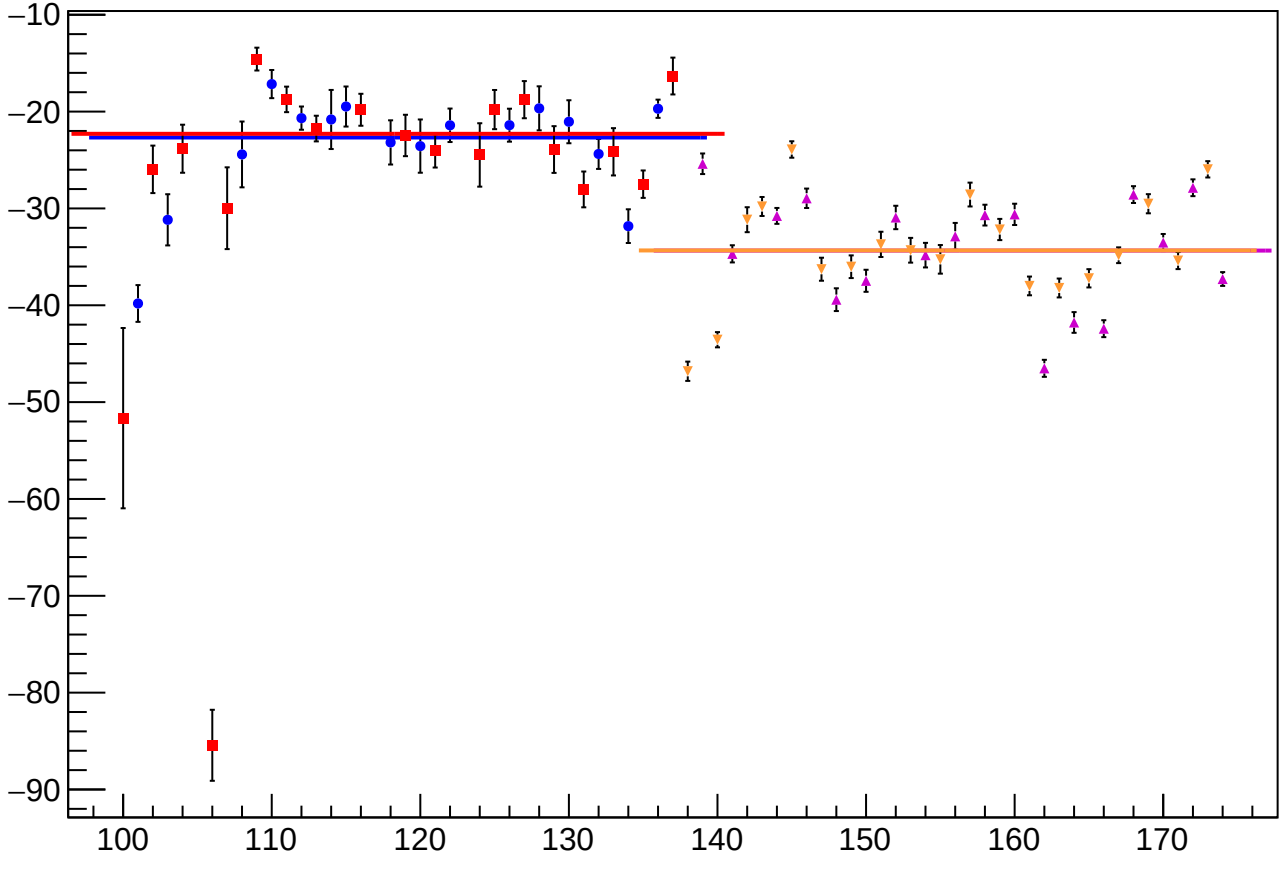
Left In: -0.117+/-0.003 χ^2/NDF:260.4/17

+ sign -0.099+/-0.003 χ^2/NDF: 1331.7/34

All: -0.101+/-0.002 χ^2/NDF: 4231.5/71

- 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: -34.338+/-0.231 χ^2/NDF:667.5/18

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

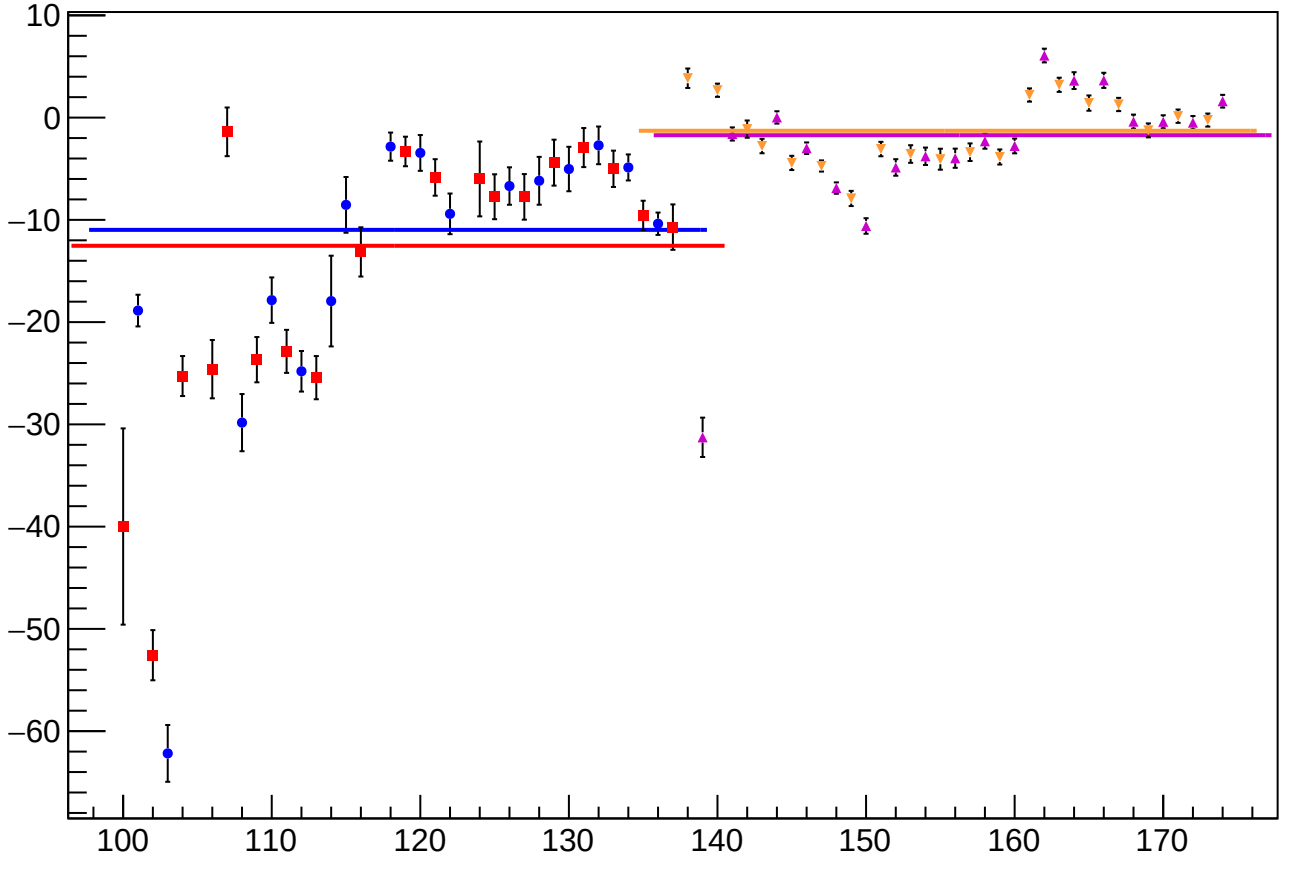
Left In: -34.353+/-0.229 χ^2/NDF:620.9/17

\+ sign -31.766+/-0.204 χ^2/NDF: 1383.4/34

All: -31.750+/-0.144 χ^2/NDF: 3010.9/71

\- sign -31.735+/-0.203 χ^2/NDF: 1627.4/36

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -1.285+/-0.164 χ^2/NDF:356.7/18

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

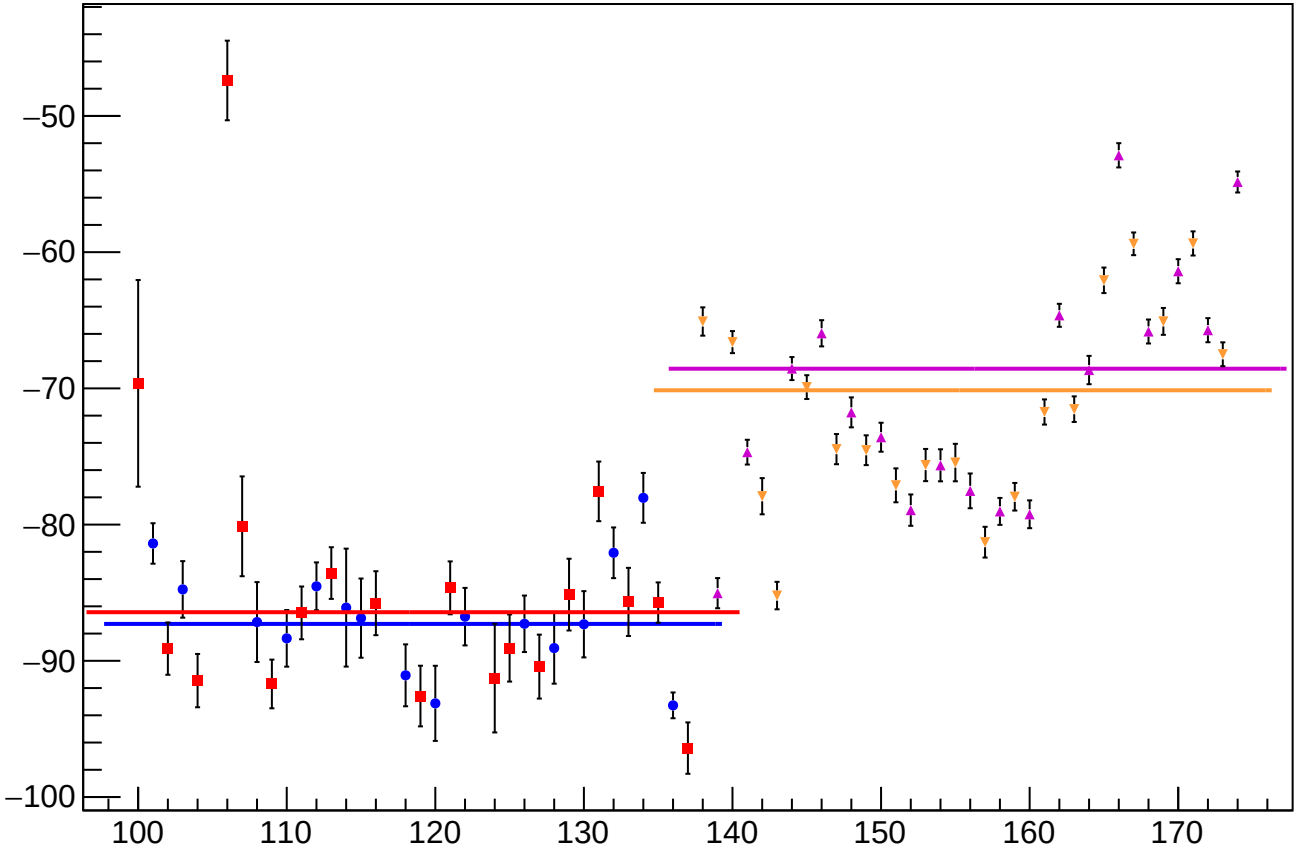
Left In: -1.720+/-0.166 χ^2/NDF:770.4/17

+ sign -2.407+/-0.154 χ^2/NDF: 1348.2/34

All: -2.634+/-0.110 χ^2/NDF: 3146.8/71

- sign -2.867+/-0.157 χ^2/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: -70.139+/-0.229 χ^2/NDF:986.4/18

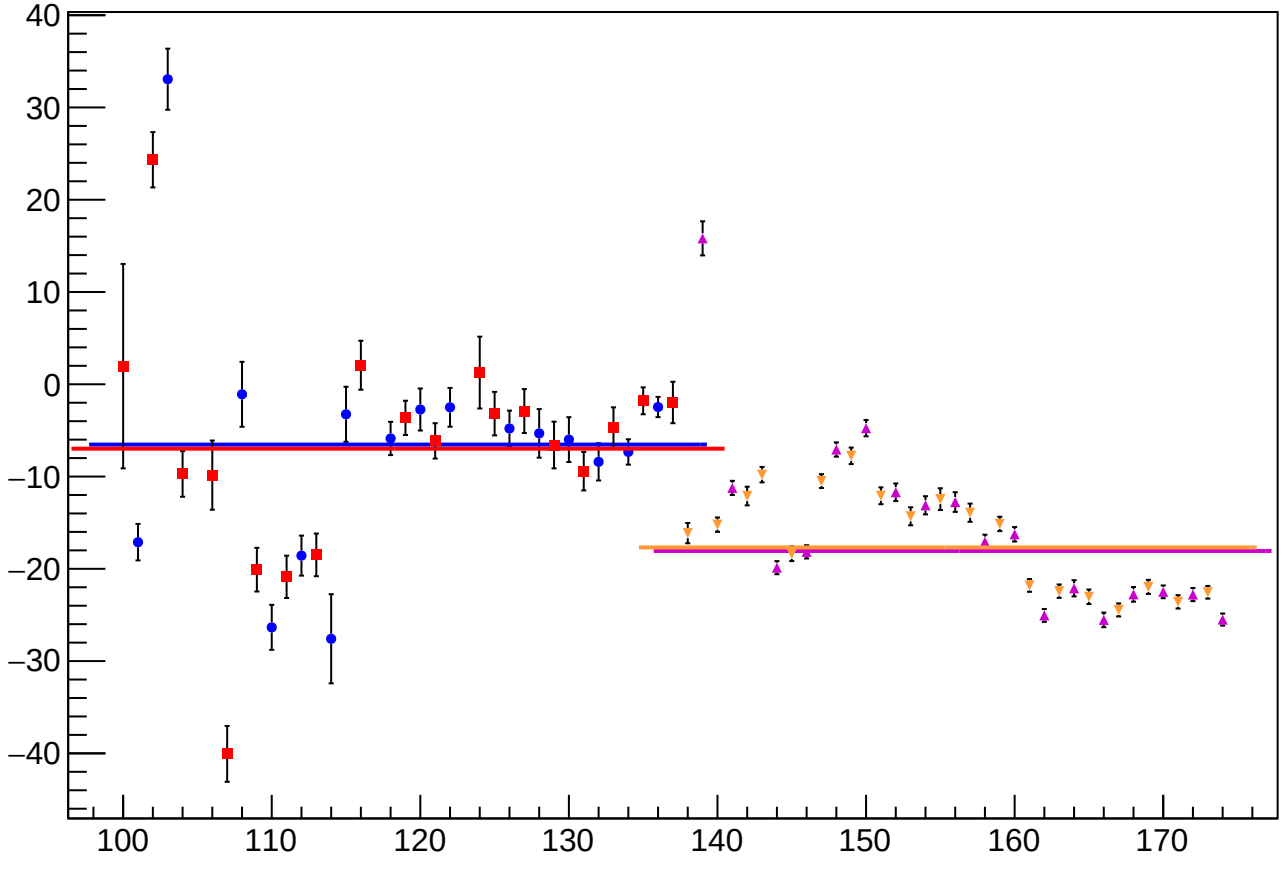
Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -68.556+/-0.227 χ^2/NDF:1426.3/17

+ sign -73.308+/-0.207 χ^2/NDF: 2126.0/34

All: -72.432+/-0.146 χ^2/NDF: 4892.2/71

- 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: -17.684+/-0.188 χ^2/NDF:804.3/18

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

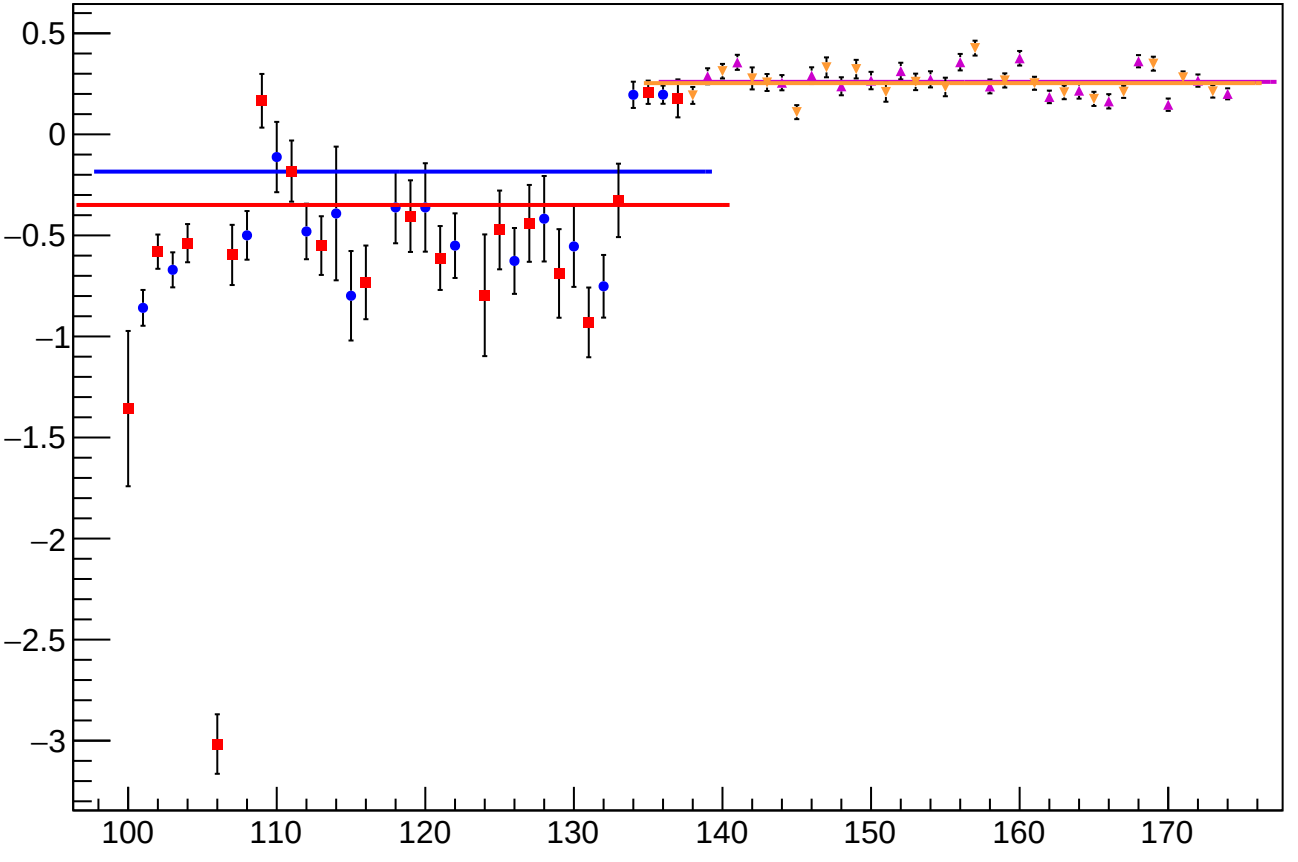
Left In: -18.068+/-0.189 χ^2/NDF:1412.8/17

\+ sign -16.347+/-0.176 χ^2/NDF: 1542.3/34

All: -16.605+/-0.125 χ^2/NDF: 3701.6/71

\- 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: 0.253+/-0.009 χ^2/NDF:69.2/18

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

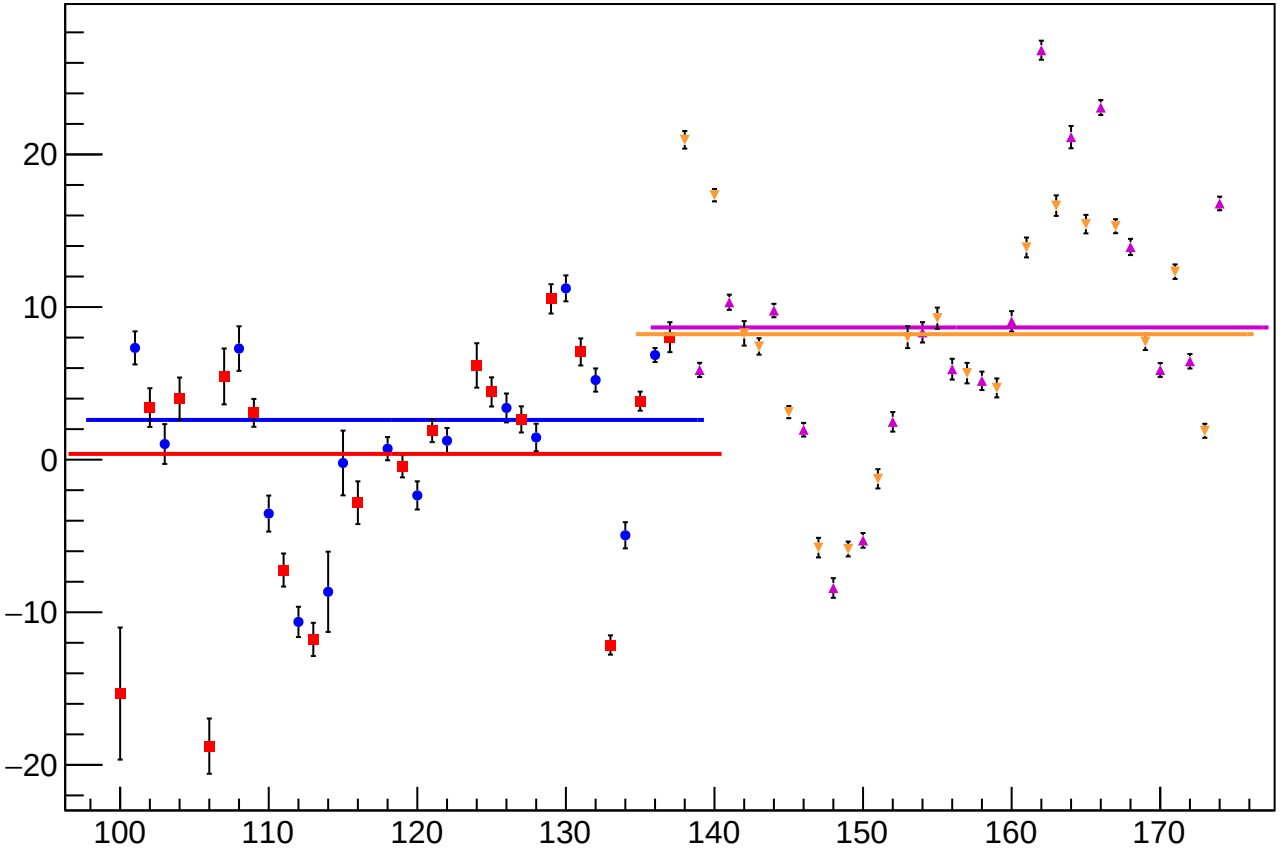
Left In: 0.260+/-0.008 χ^2/NDF:70.4/17

+ sign 0.213+/-0.008 χ^2/NDF: 559.4/34

All: 0.213+/-0.006 χ^2/NDF: 1545.2/71

- 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: 8.222+/-0.126 χ^2/NDF:3609.3/18

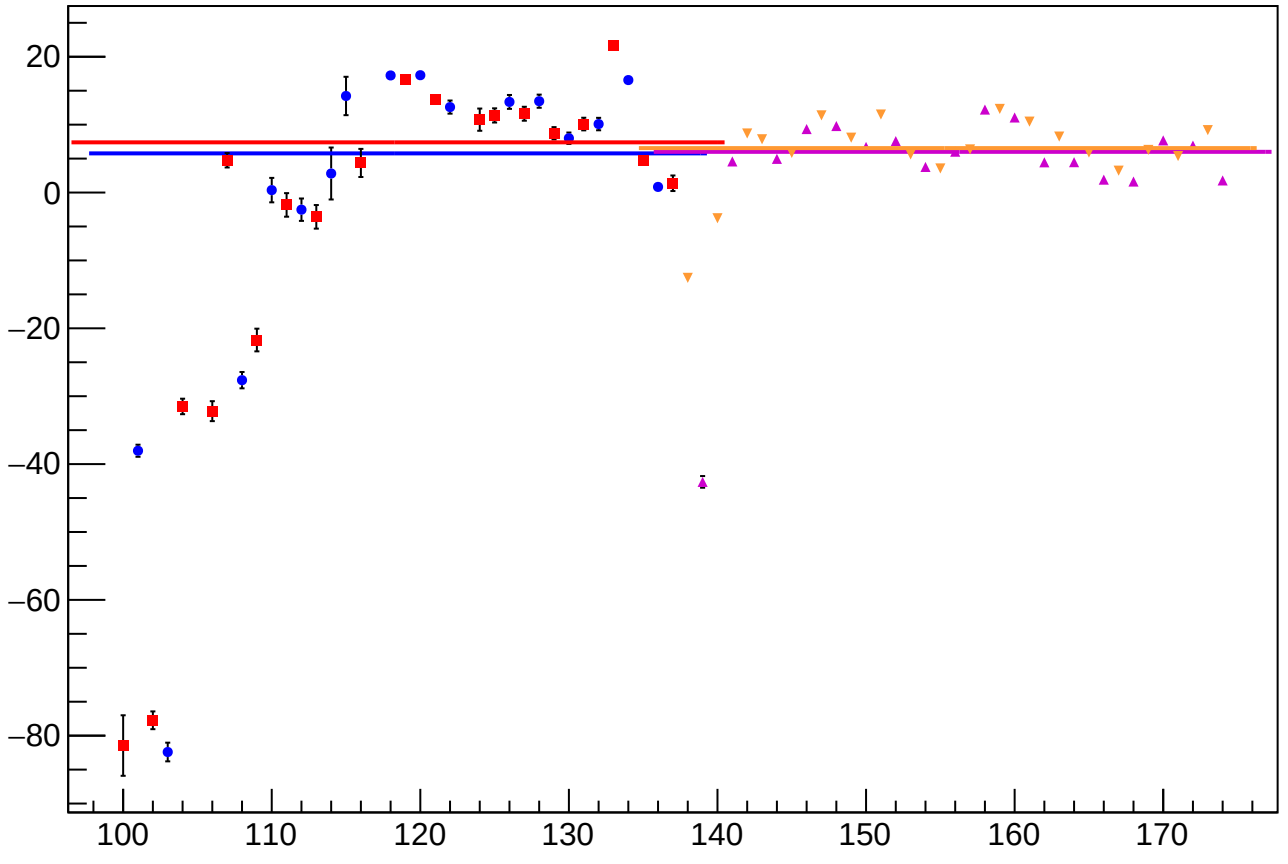
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 8.663+/-0.125 χ^2/NDF:4441.2/17

+ sign 6.871+/-0.110 χ^2/NDF: 4659.8/34

All: 6.766+/-0.077 χ^2/NDF: 11188.2/71

- 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: 6.546+/-0.090 χ^2/NDF:2975.5/18

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

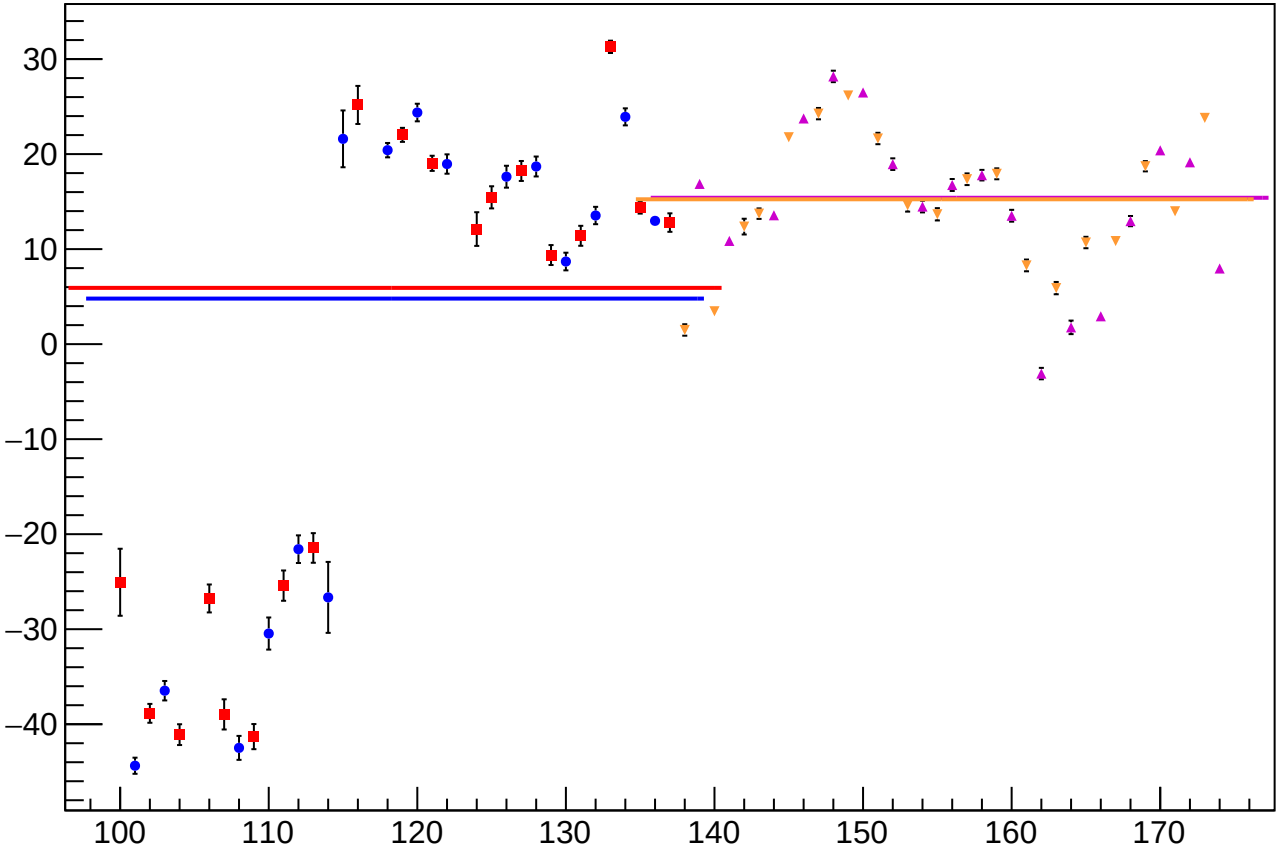
Left In: 5.996+/-0.091 χ^2/NDF:4301.7/17

+ sign 6.425+/-0.083 χ^2/NDF: 11920.9/34

All: 6.324+/-0.059 χ^2/NDF: 24653.7/71

- 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: 15.244+/-0.125 χ^2/NDF:3386.7/18

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

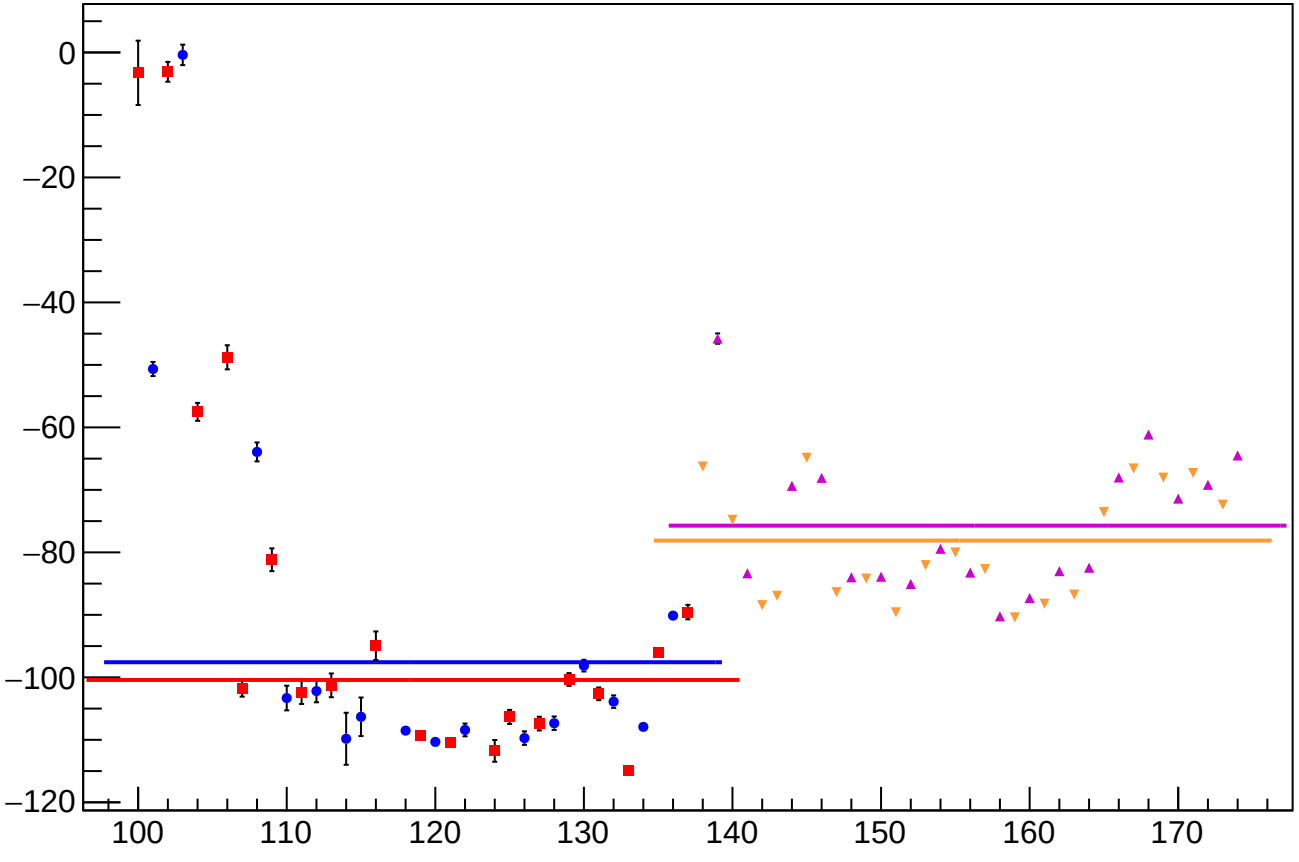
Left In: 15.404+/-0.124 χ^2/NDF:3968.8/17

+ sign 12.984+/-0.110 χ^2/NDF: 14402.0/34

All: 13.195+/-0.078 χ^2/NDF: 29671.0/71

- 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: -78.109+/-0.103 χ^2/NDF:7737.1/18

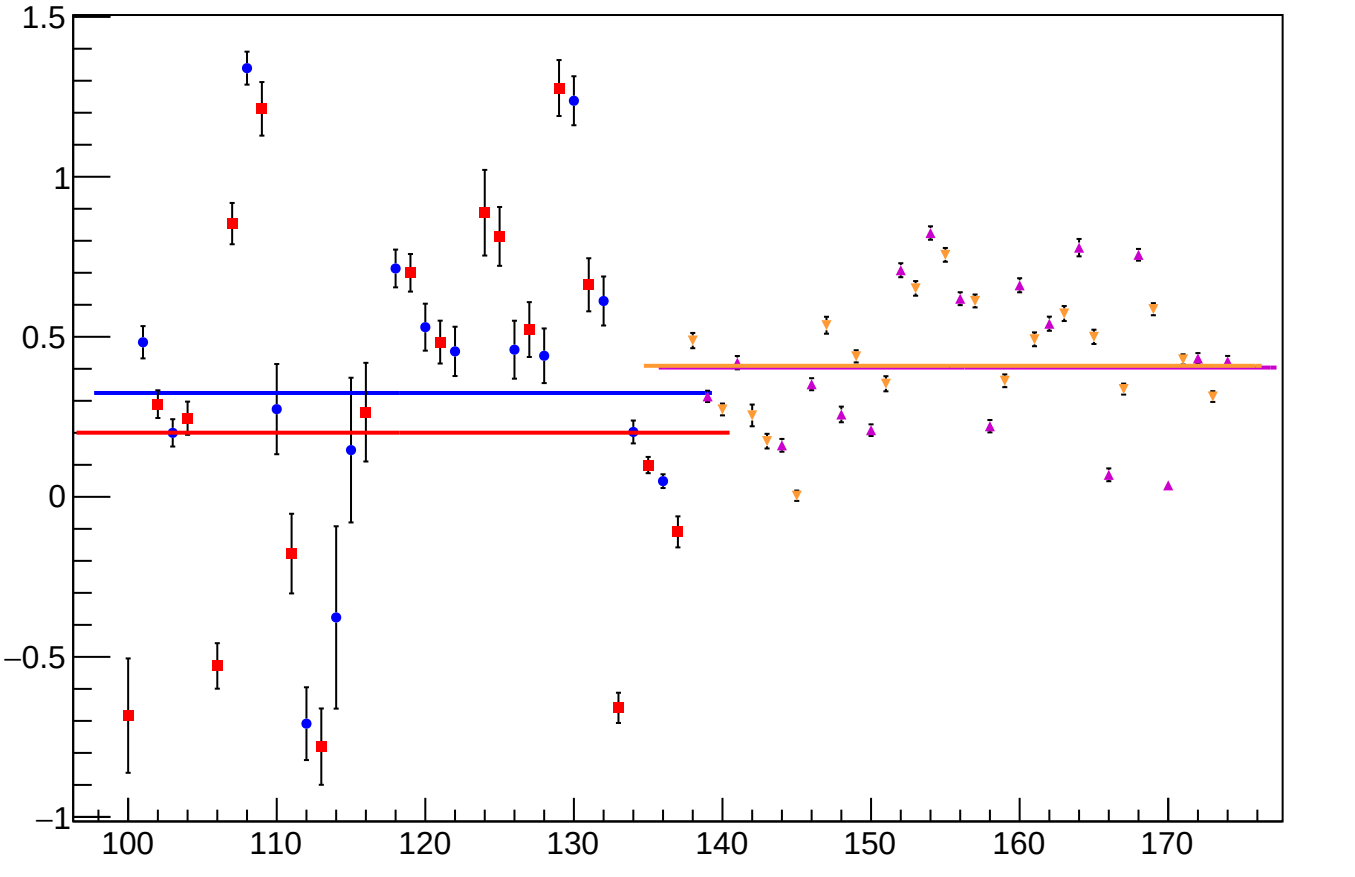
Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -75.724+/-0.104 χ^2/NDF:8253.7/17

+ sign -81.119+/-0.095 χ^2/NDF: 20369.0/34

All: -80.375+/-0.067 χ^2/NDF: 44706.2/71

- sign -79.620+/-0.096 χ^2/NDF: 24213.7/36



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.409+/-0.005 χ^2/NDF:1548.2/18

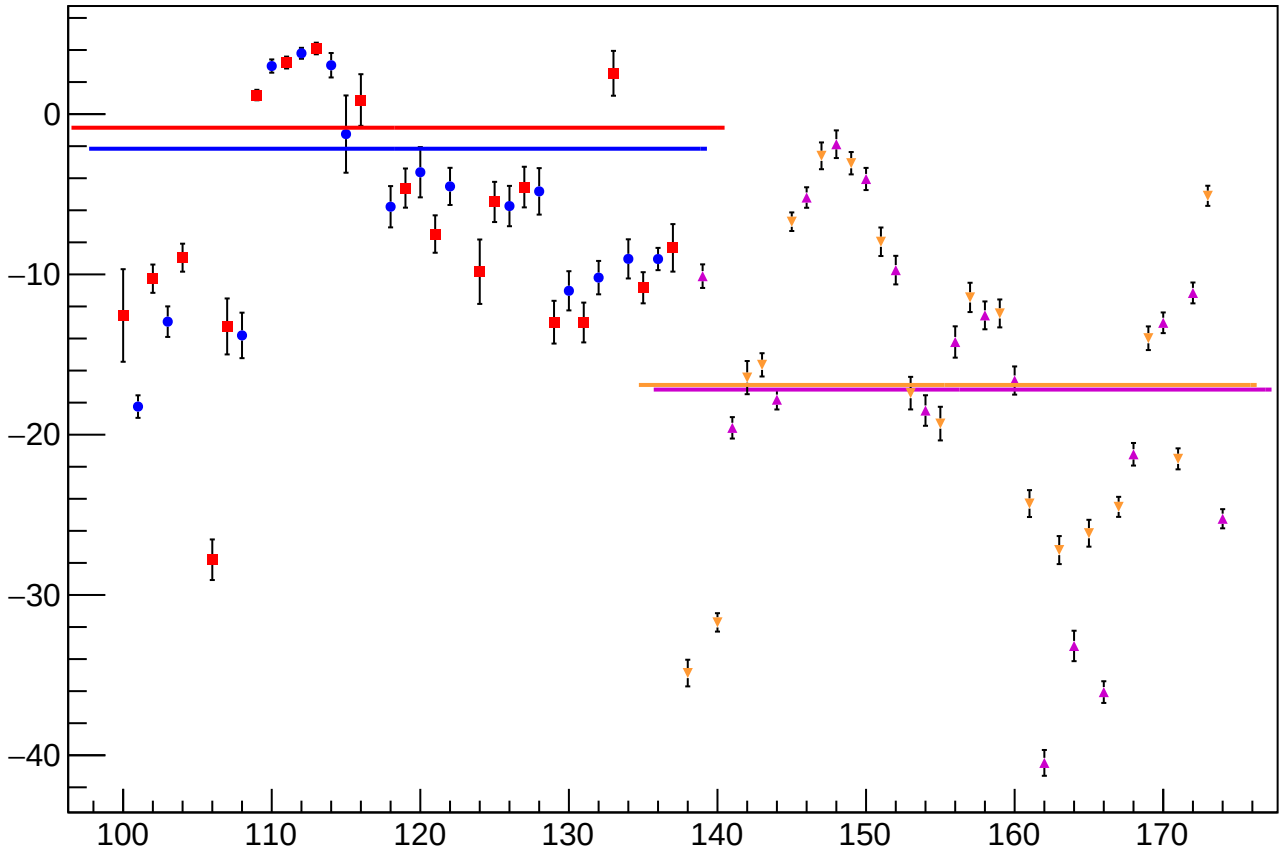
Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.404+/-0.005 χ^2/NDF:2698.4/17

+ sign 0.400+/-0.004 χ^2/NDF: 2471.1/34

All: 0.392+/-0.003 χ^2/NDF: 6577.3/71

- sign 0.384+/-0.004 χ^2/NDF: 4099.2/36



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -16.897+/-0.175 χ^2/NDF:3202.9/18

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

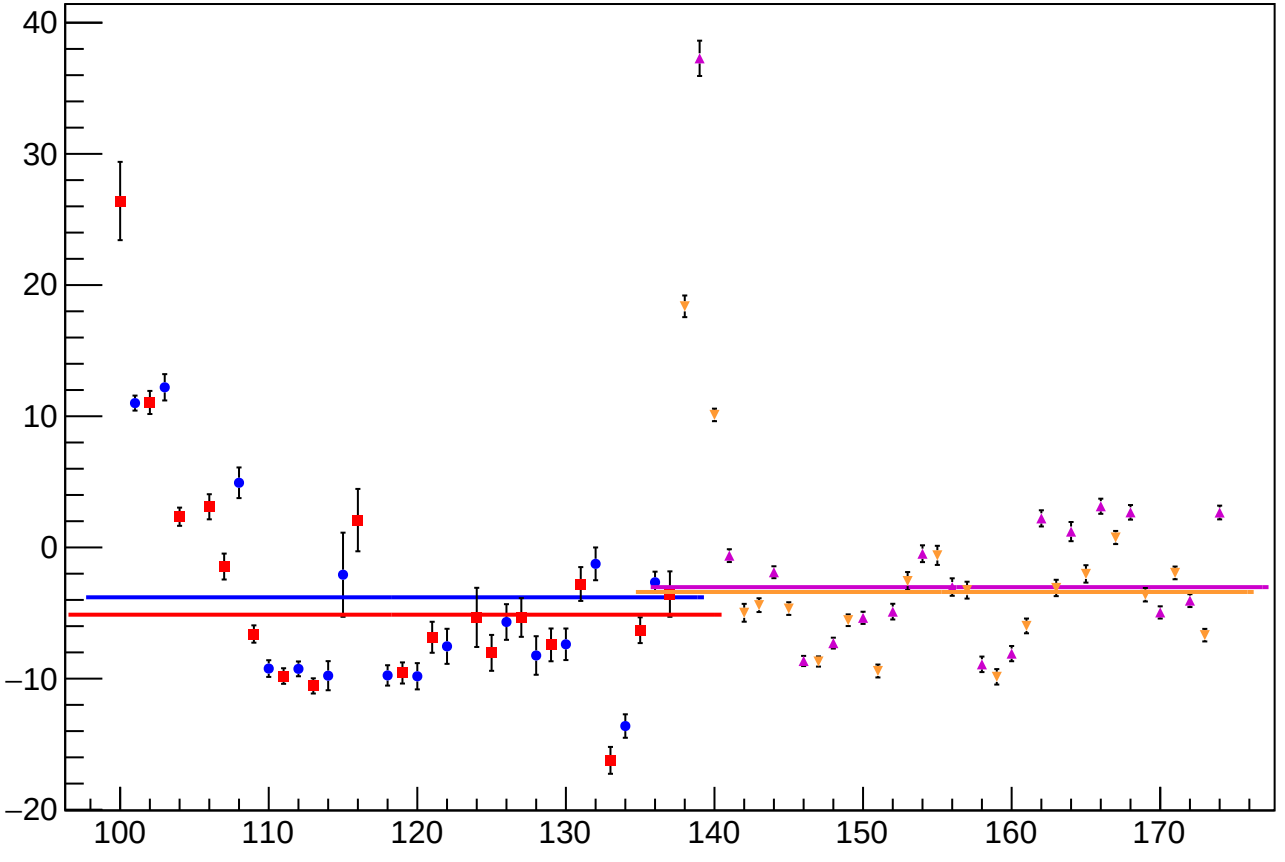
Left In: -17.186+/-0.174 χ^2/NDF:3481.5/17

+ sign -10.228+/-0.129 χ^2/NDF: 7920.3/34

All: -9.498+/-0.089 χ^2/NDF: 17429.2/71

- 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: -3.395+/-0.124 χ^2/NDF:2156.5/18

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

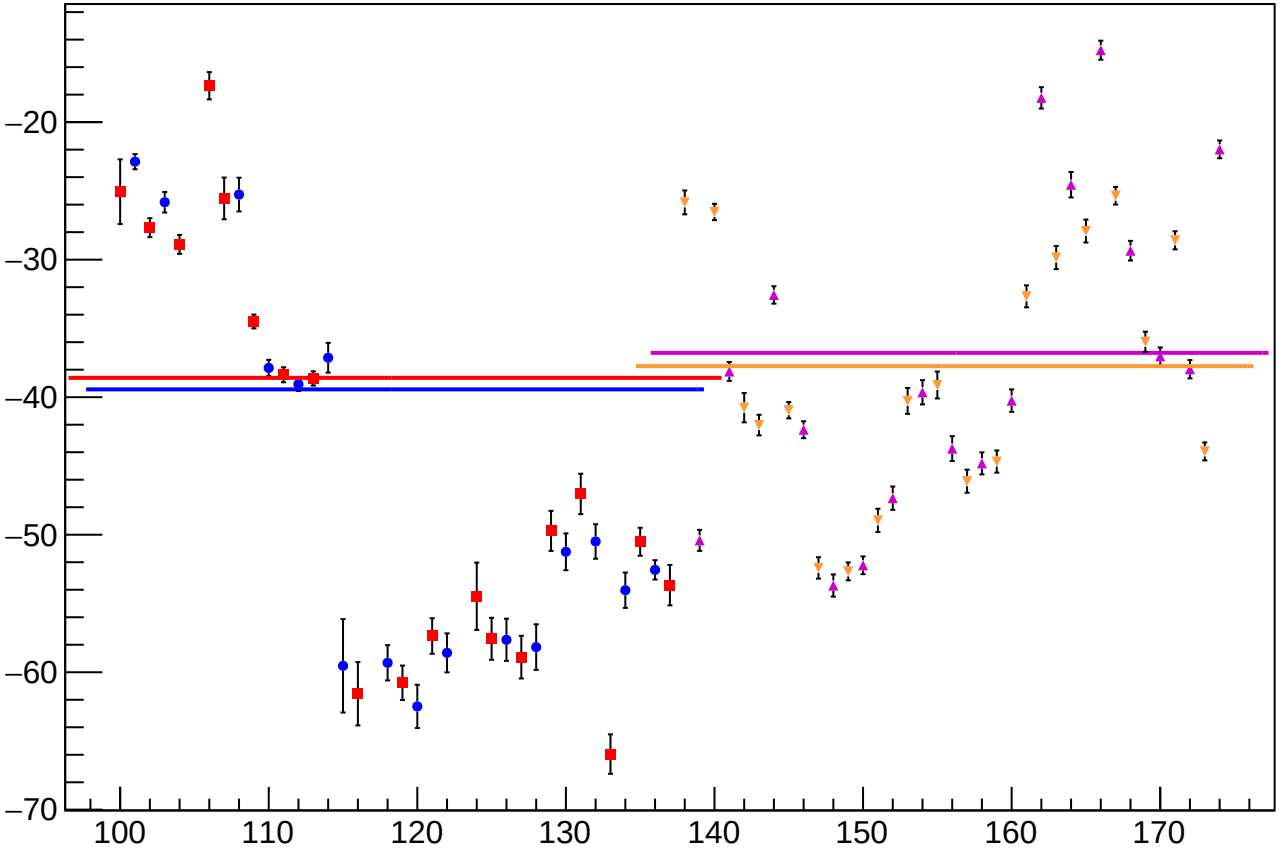
Left In: -3.025+/-0.126 χ^2/NDF:1934.1/17

+ sign -3.489+/-0.108 χ^2/NDF: 3584.5/34

All: -3.518+/-0.077 χ^2/NDF: 6568.5/71

- 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: -37.743+/-0.173 χ^2/NDF:2785.7/18

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

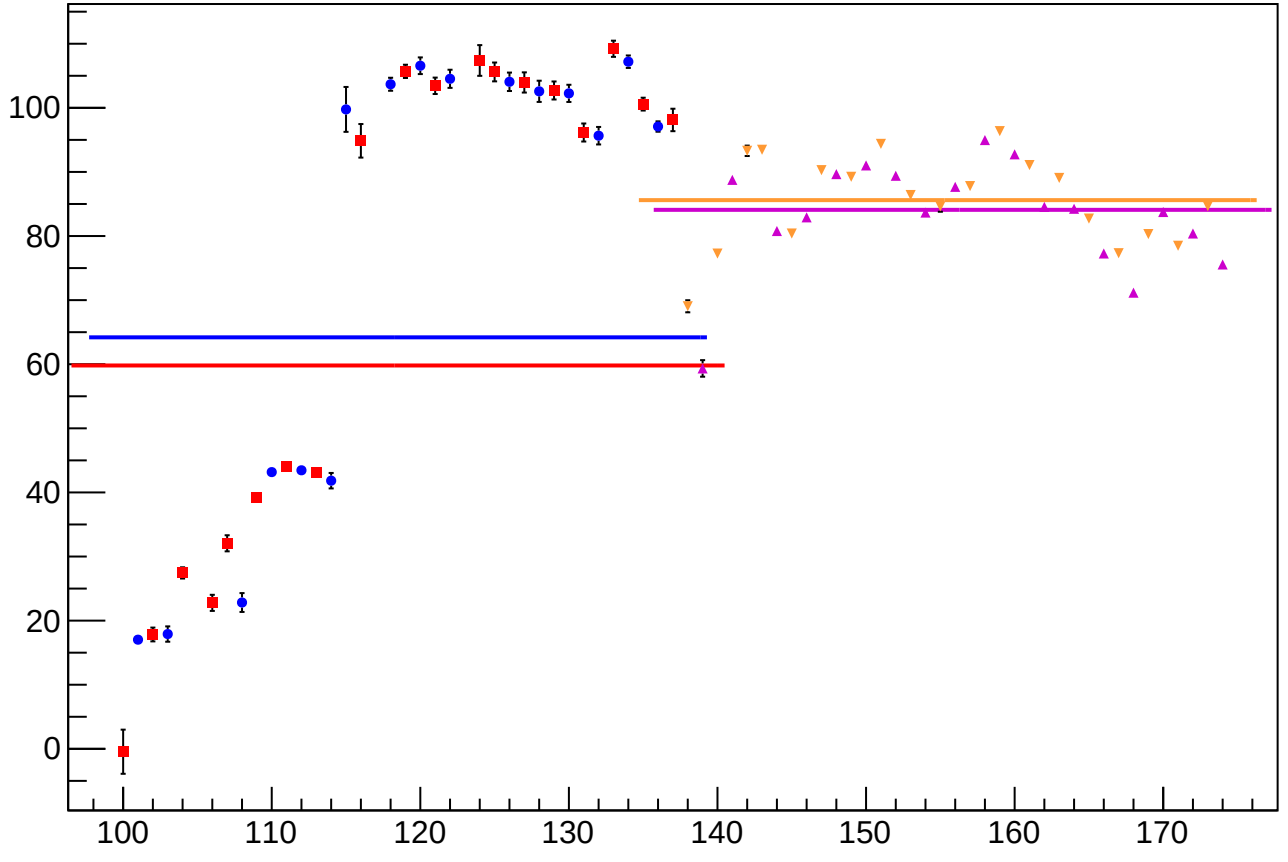
Left In: -36.776+/-0.172 χ^2/NDF:4198.9/17

+ sign -38.367+/-0.137 χ^2/NDF: 5779.2/34

All: -37.920+/-0.096 χ^2/NDF: 12815.2/71

- 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: 85.601+/-0.142 χ^2/NDF:2113.3/18

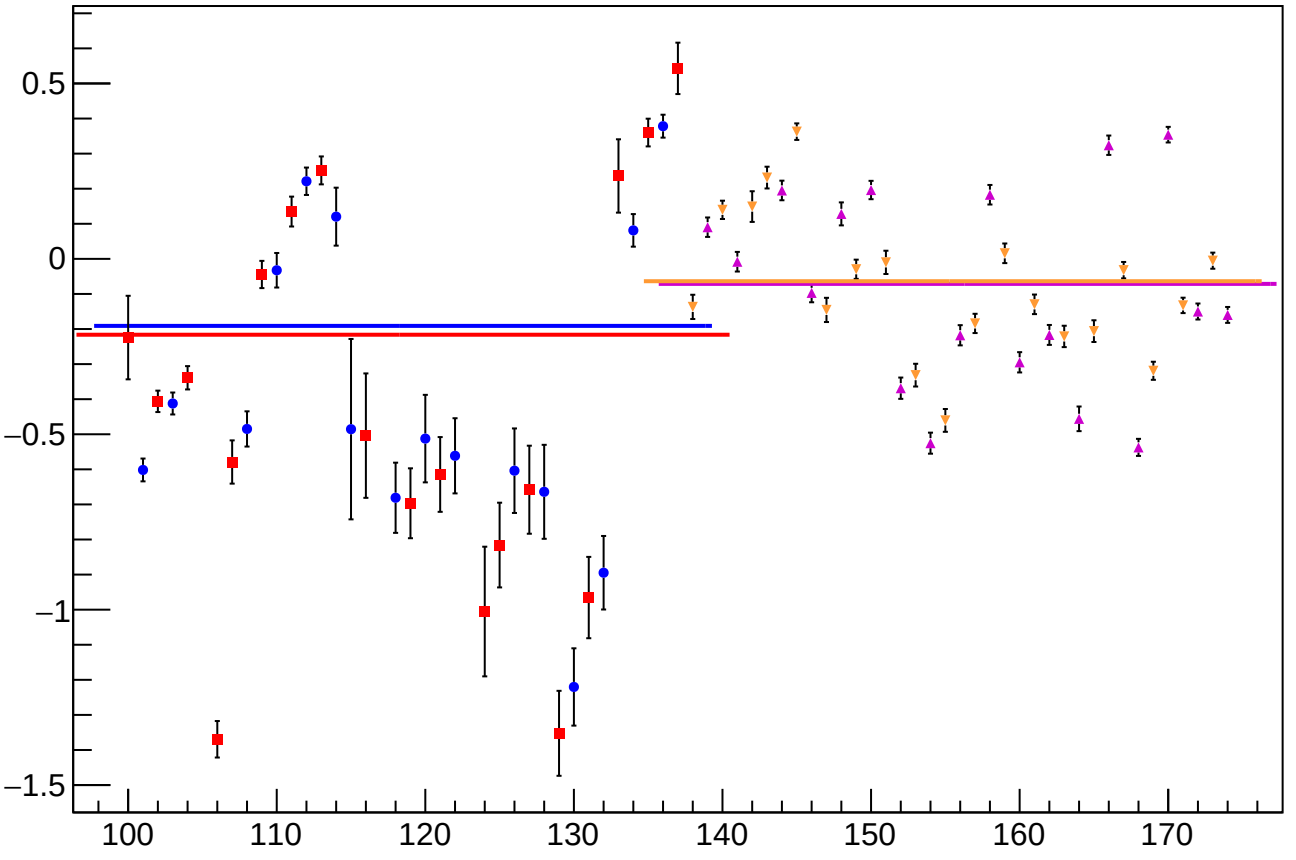
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 84.086+/-0.144 χ^2/NDF:2122.8/17

+ sign 80.599+/-0.124 χ^2/NDF: 26004.7/34

All: 79.304+/-0.088 χ^2/NDF: 52919.6/71

- 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: -0.064+/-0.006 χ^2/NDF:931.1/18

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

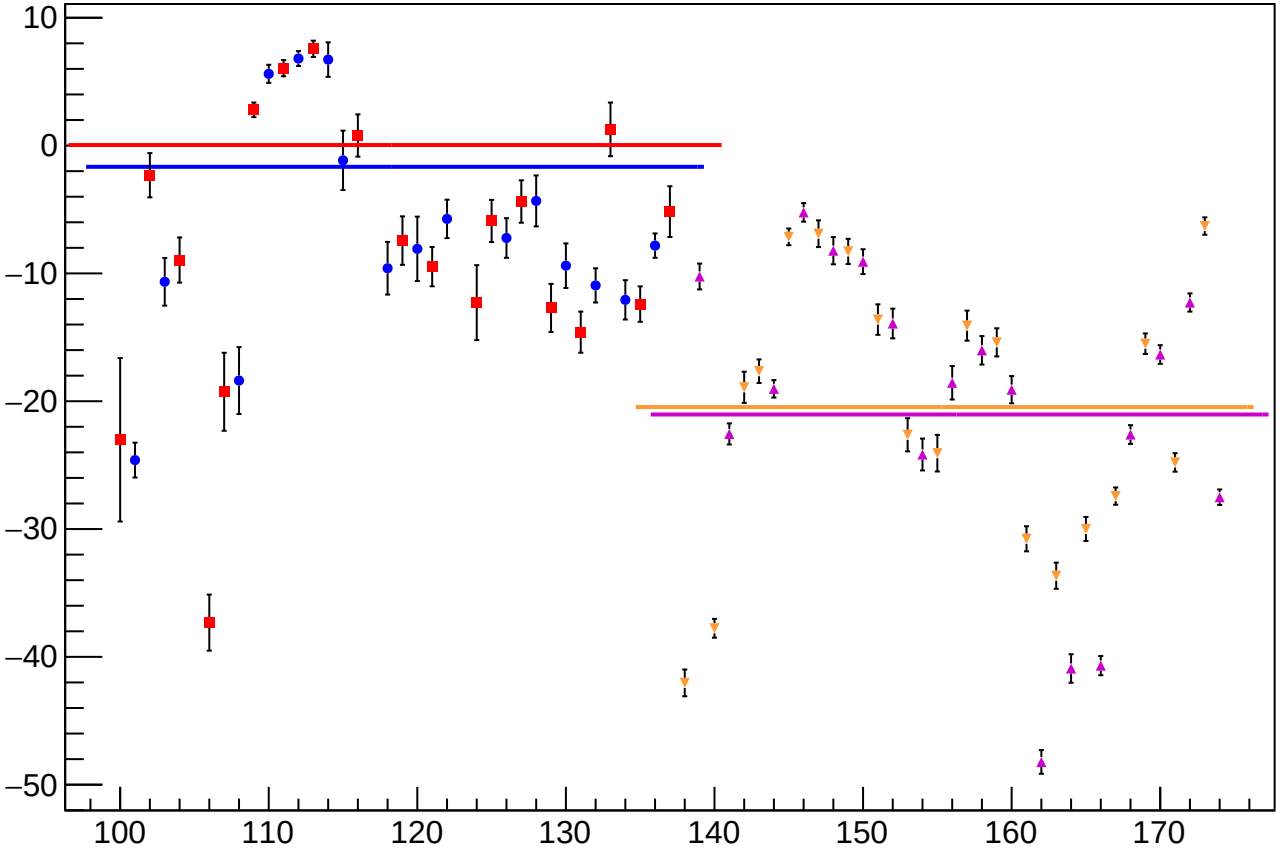
Left In: -0.071+/-0.006 χ^2/NDF:1876.3/17

+ sign -0.088+/-0.006 χ^2/NDF: 1922.5/34

All: -0.094+/-0.004 χ^2/NDF: 5269.9/71

- 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: -20.457+/-0.208 χ^2/NDF:2807.5/18

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

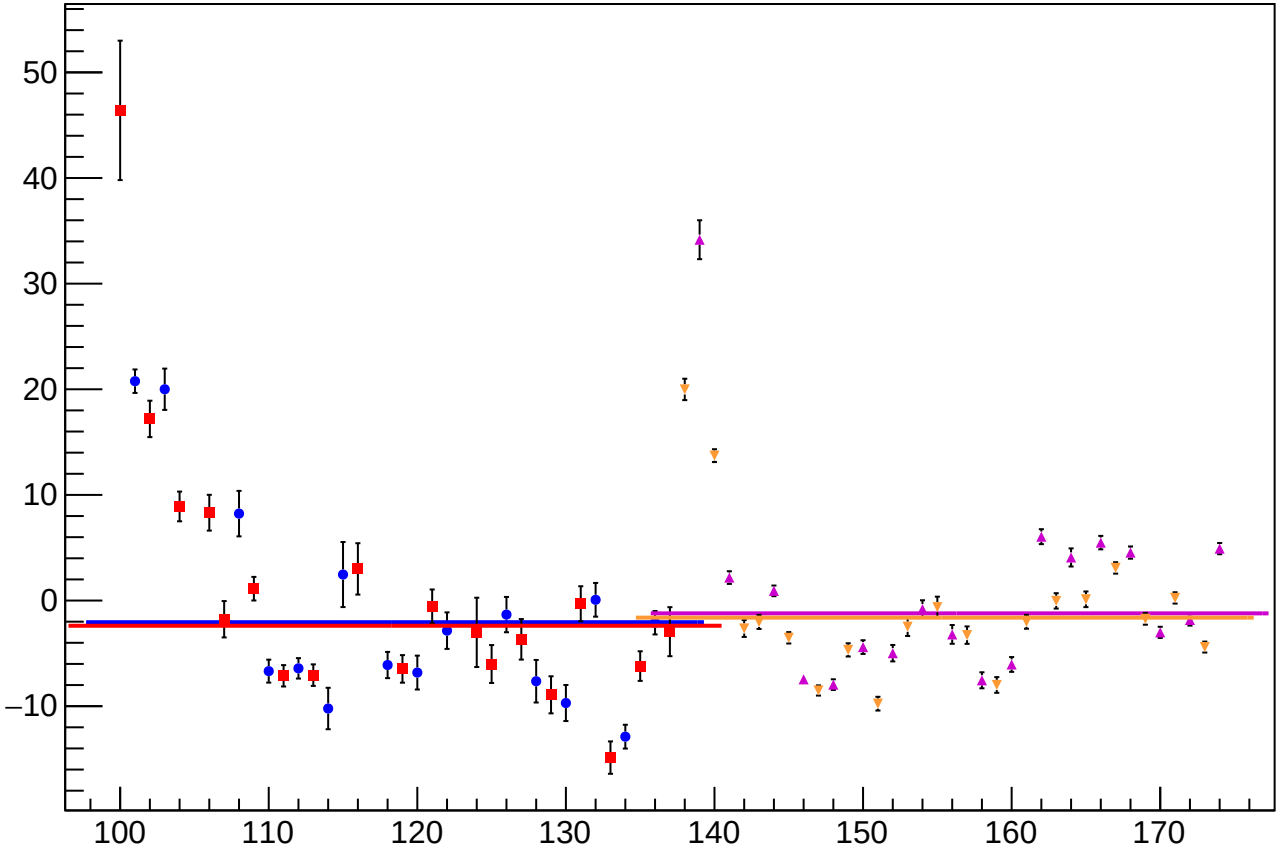
Left In: -21.038+/-0.203 χ^2/NDF:3139.9/17

+ sign -14.575+/-0.172 χ^2/NDF: 6265.5/34

All: -14.188+/-0.119 χ^2/NDF: 14026.7/71

- 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: -1.618+/-0.148 χ^2/NDF:1698.6/18

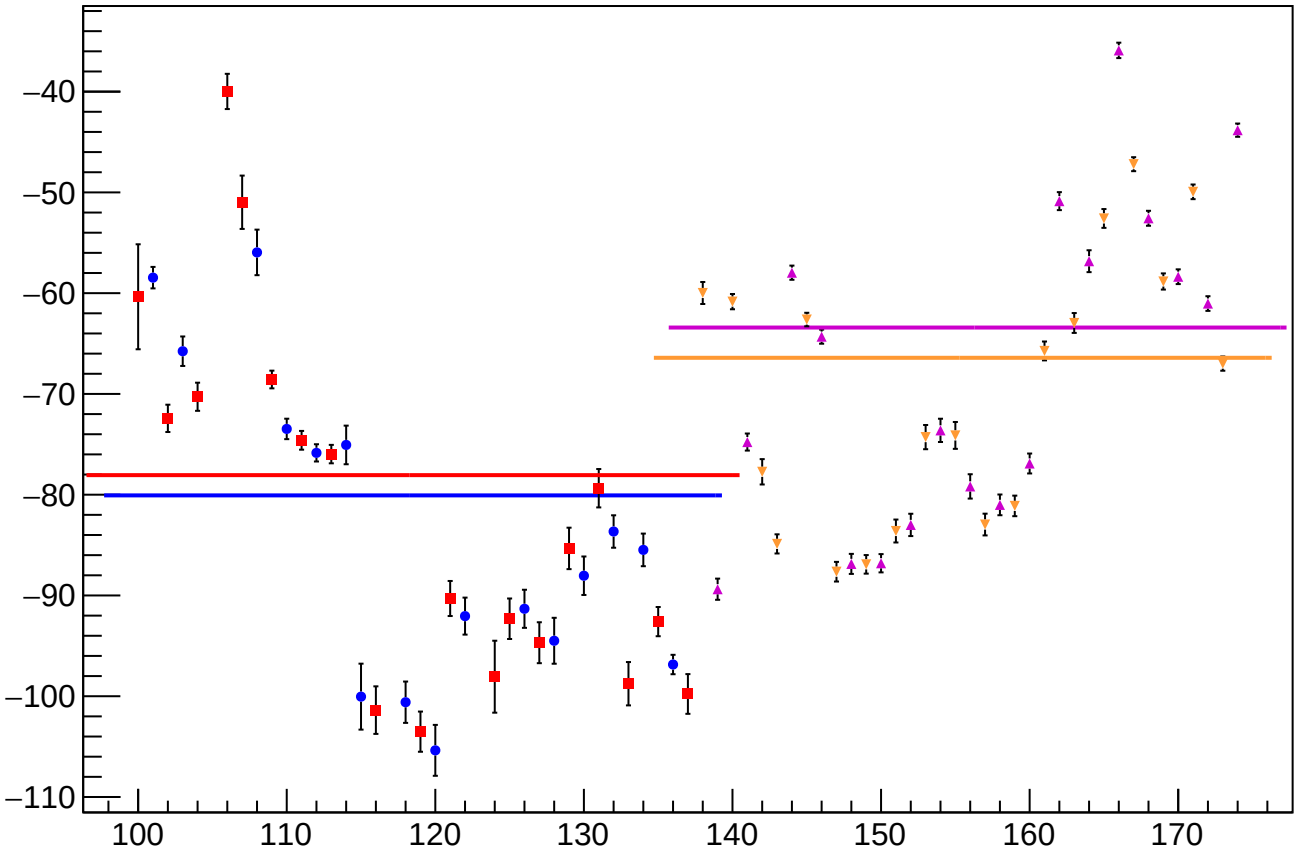
Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -1.214+/-0.147 χ^2/NDF:1475.5/17

+ sign -1.681+/-0.137 χ^2/NDF: 2471.8/34

All: -1.532+/-0.096 χ^2/NDF: 4409.9/71

- sign -1.385+/-0.136 χ^2/NDF: 1935.7/36



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -66.414+/-0.206 χ^2/NDF:3898.0/18

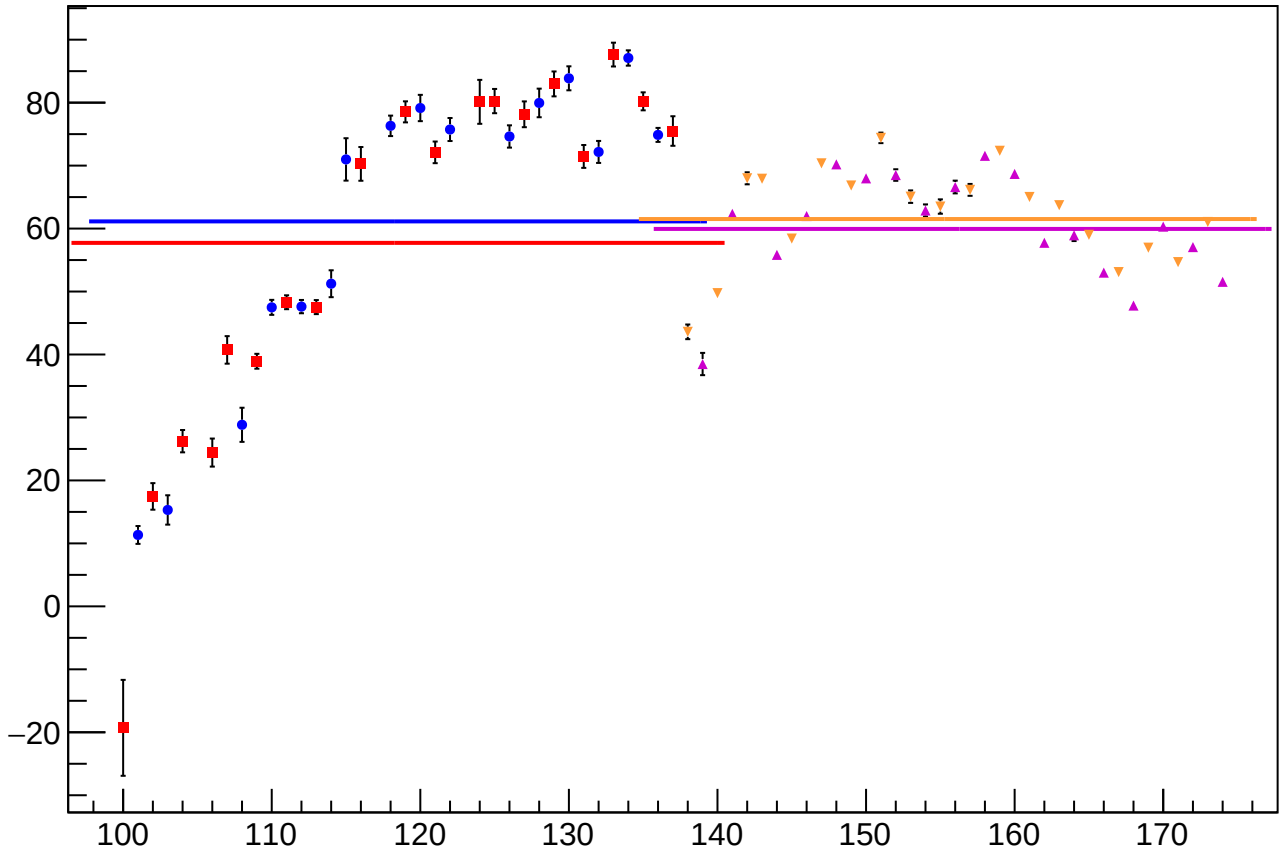
Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -63.412+/-0.202 χ^2/NDF:5800.4/17

+ sign -69.733+/-0.180 χ^2/NDF: 6348.1/34

All: -68.343+/-0.126 χ^2/NDF: 15120.4/71

- sign -67.018+/-0.175 χ^2/NDF: 8655.5/36



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 61.514+/-0.169 χ^2/NDF:1766.2/18

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

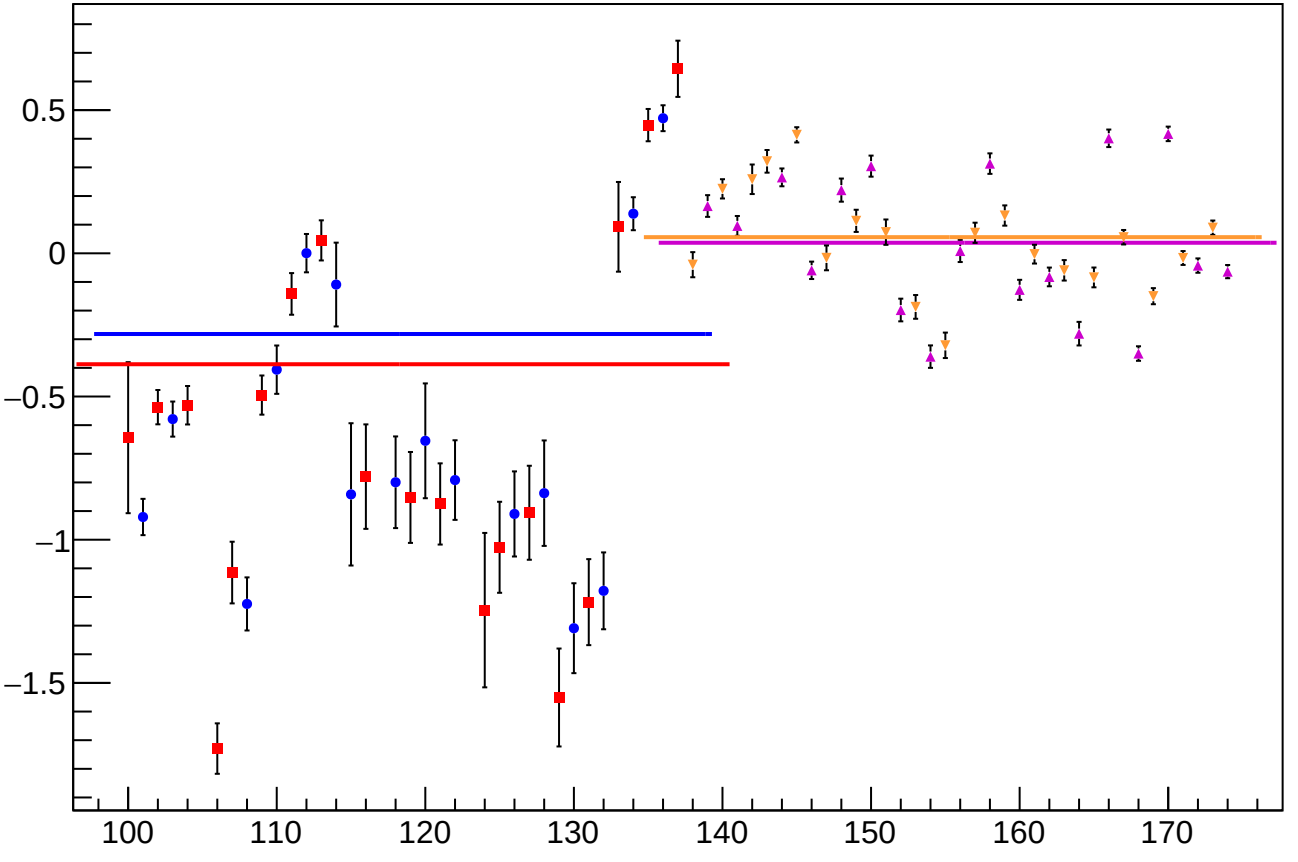
Left In: 59.943+/-0.168 χ^2/NDF:1726.7/17

+ sign 61.457+/-0.156 χ^2/NDF: 4996.2/34

All: 60.527+/-0.110 χ^2/NDF: 9595.0/71

- 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: 0.056+/-0.008 χ^2/NDF:481.9/18

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

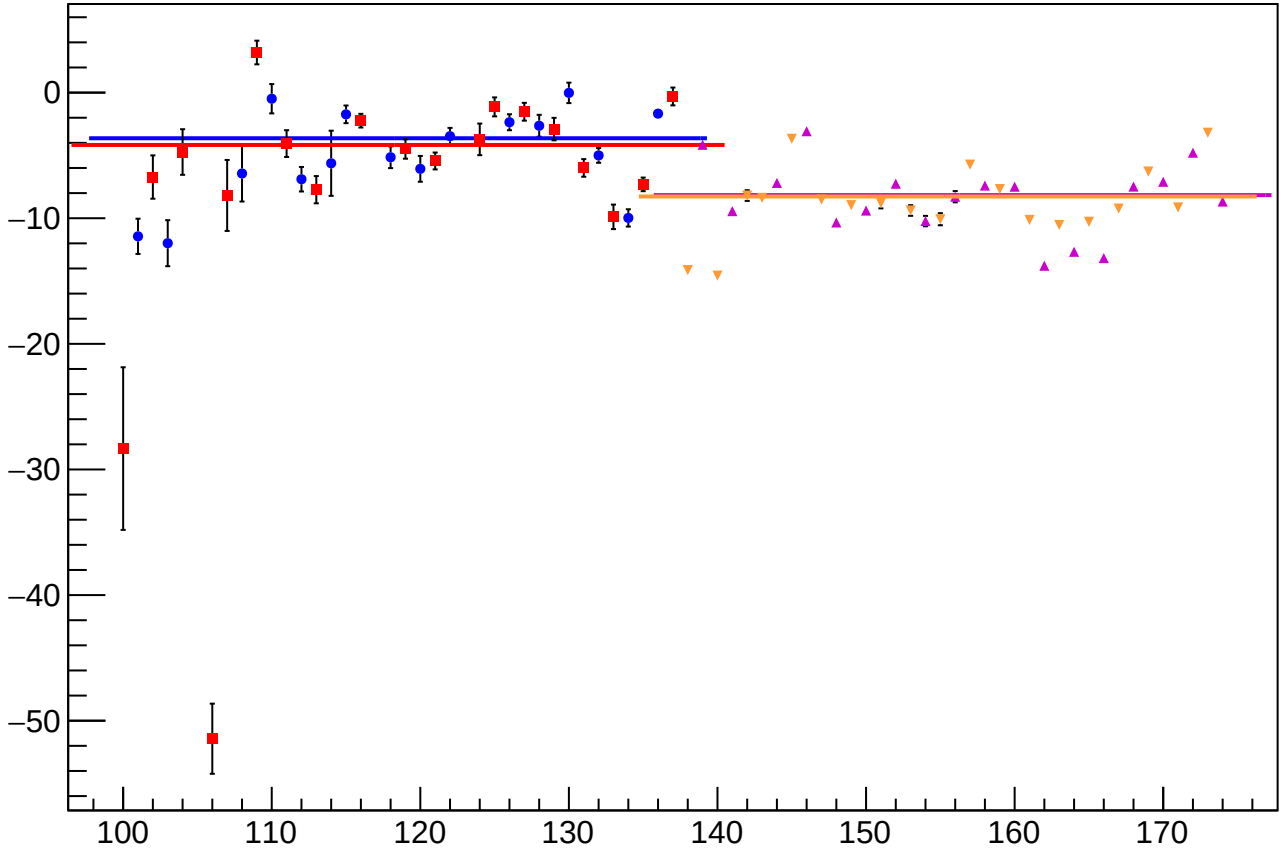
Left In: 0.037+/-0.008 χ^2/NDF:1073.4/17

+ sign 0.018+/-0.007 χ^2/NDF: 1427.1/34

All: 0.005+/-0.005 χ^2/NDF: 3661.3/71

- 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: -8.269+/-0.068 χ^2/NDF:2165.2/18

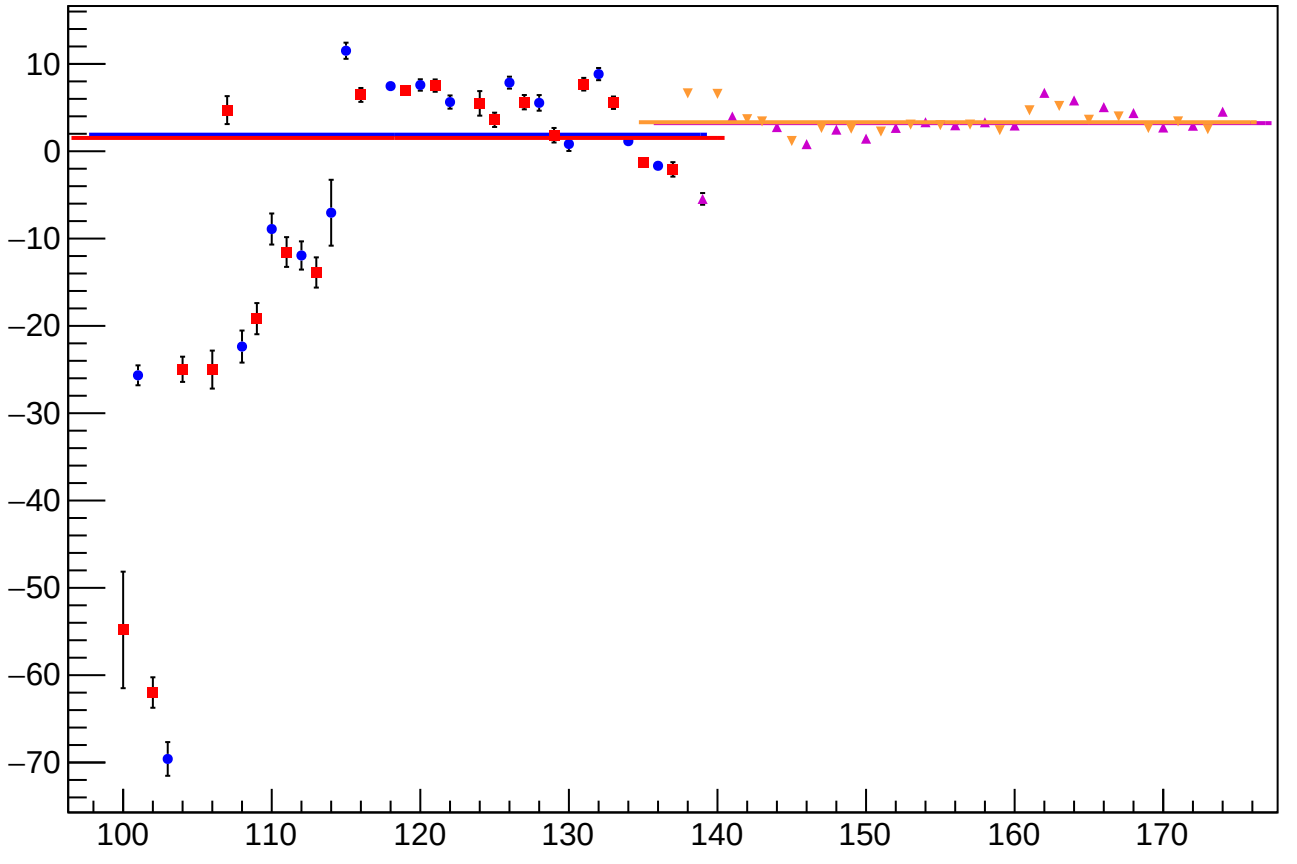
Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -8.159+/-0.066 χ^2/NDF:2002.6/17

+ sign -7.739+/-0.064 χ^2/NDF: 2932.4/34

All: -7.754+/-0.045 χ^2/NDF: 5826.4/71

- sign -7.769+/-0.062 χ^2/NDF: 2893.9/36



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.324+/-0.049 χ^2/NDF:695.0/18

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

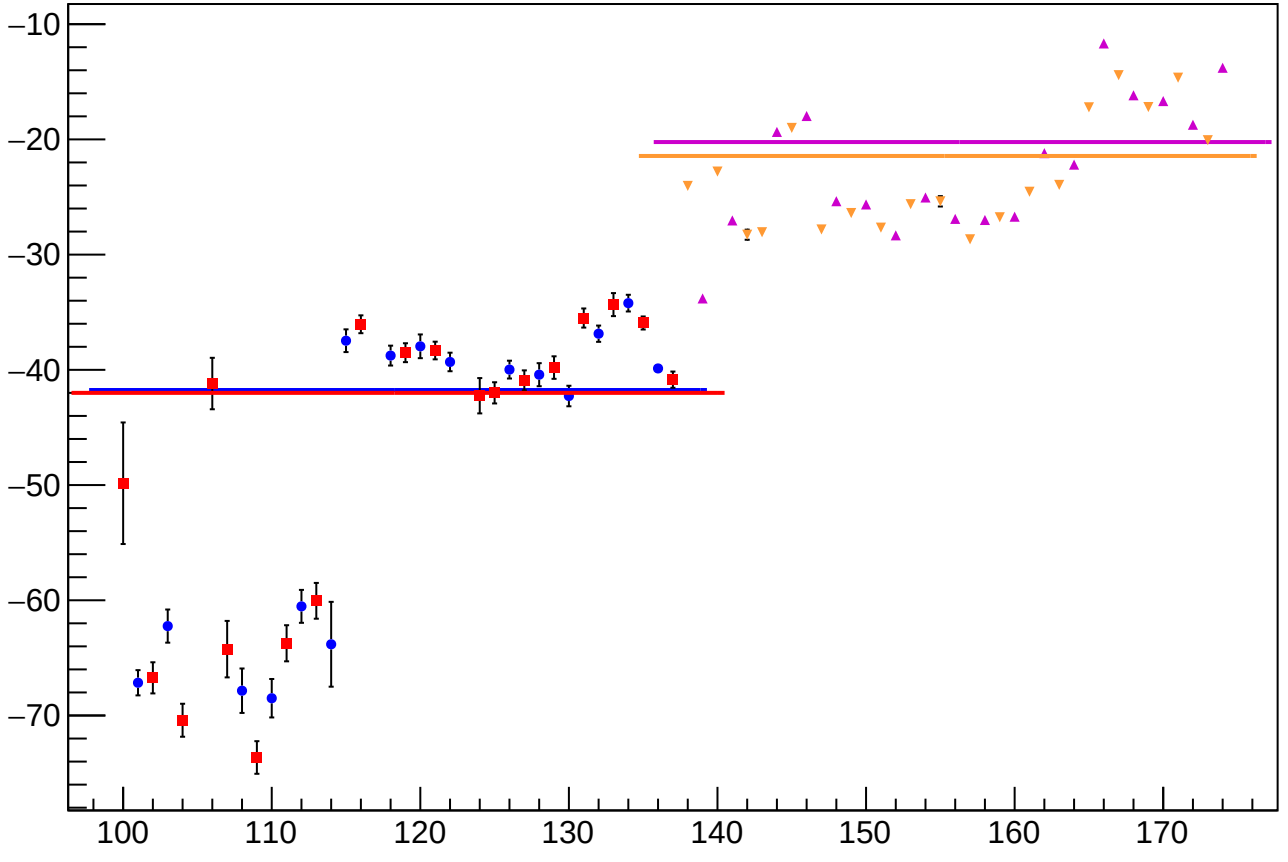
Left In: 3.220+/-0.048 χ^2/NDF:1122.0/17

+ sign 3.235+/-0.047 χ^2/NDF: 3586.5/34

All: 3.184+/-0.033 χ^2/NDF: 7333.5/71

- 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: -21.438+/-0.068 χ^2/NDF:5178.4/18

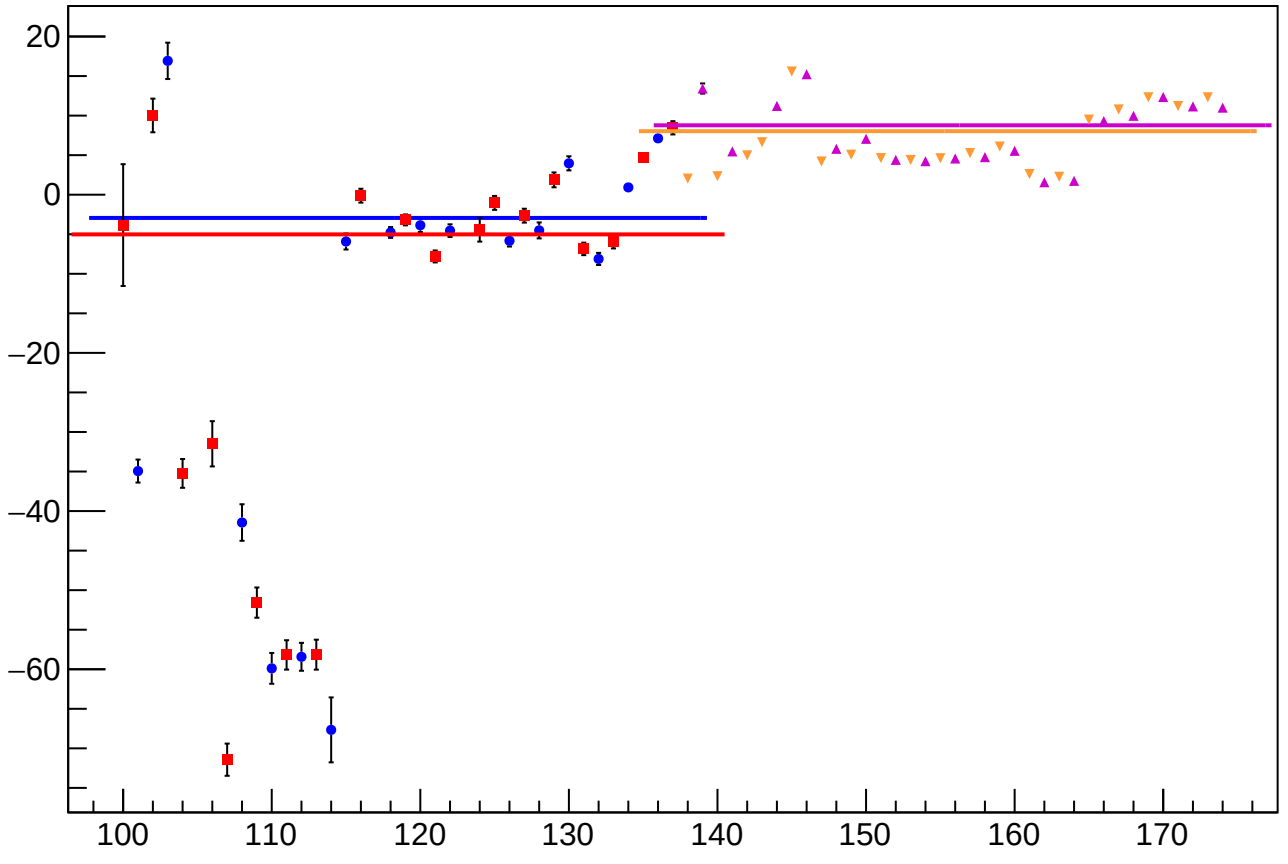
Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -20.230+/-0.065 χ^2/NDF:7026.9/17

+ sign -23.383+/-0.064 χ^2/NDF: 15467.1/34

All: -22.615+/-0.045 χ^2/NDF: 33164.8/71

- sign -21.879+/-0.063 χ^2/NDF: 17417.7/36



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.033+/-0.055 χ^2/NDF:5886.2/18

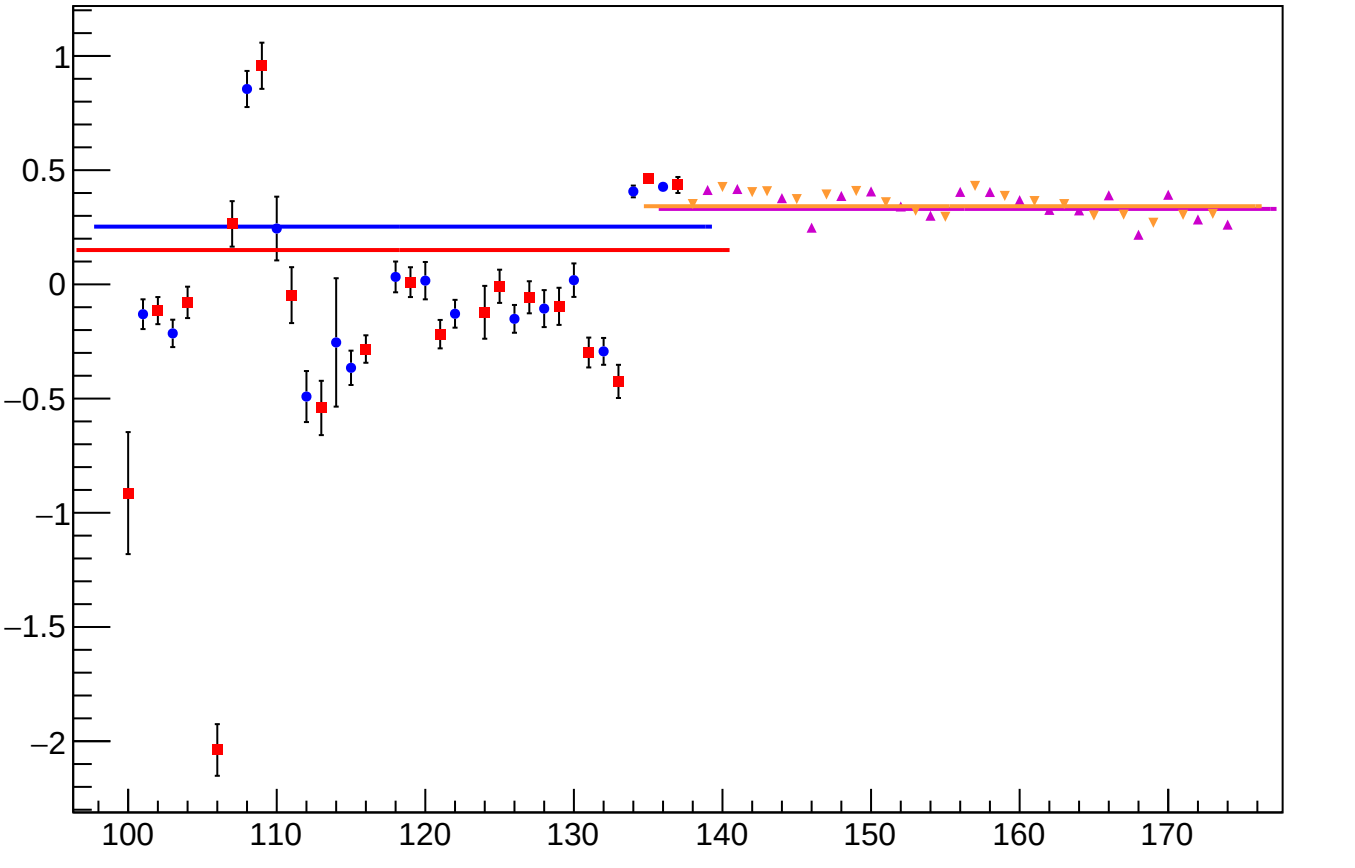
Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 8.774+/-0.054 χ^2/NDF:5302.9/17

+ sign 7.319+/-0.053 χ^2/NDF: 12170.9/34

All: 7.693+/-0.038 χ^2/NDF: 25304.2/71

- sign 8.058+/-0.053 χ^2/NDF: 13036.7/36



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.342+/-0.002 χ^2/NDF:368.8/18

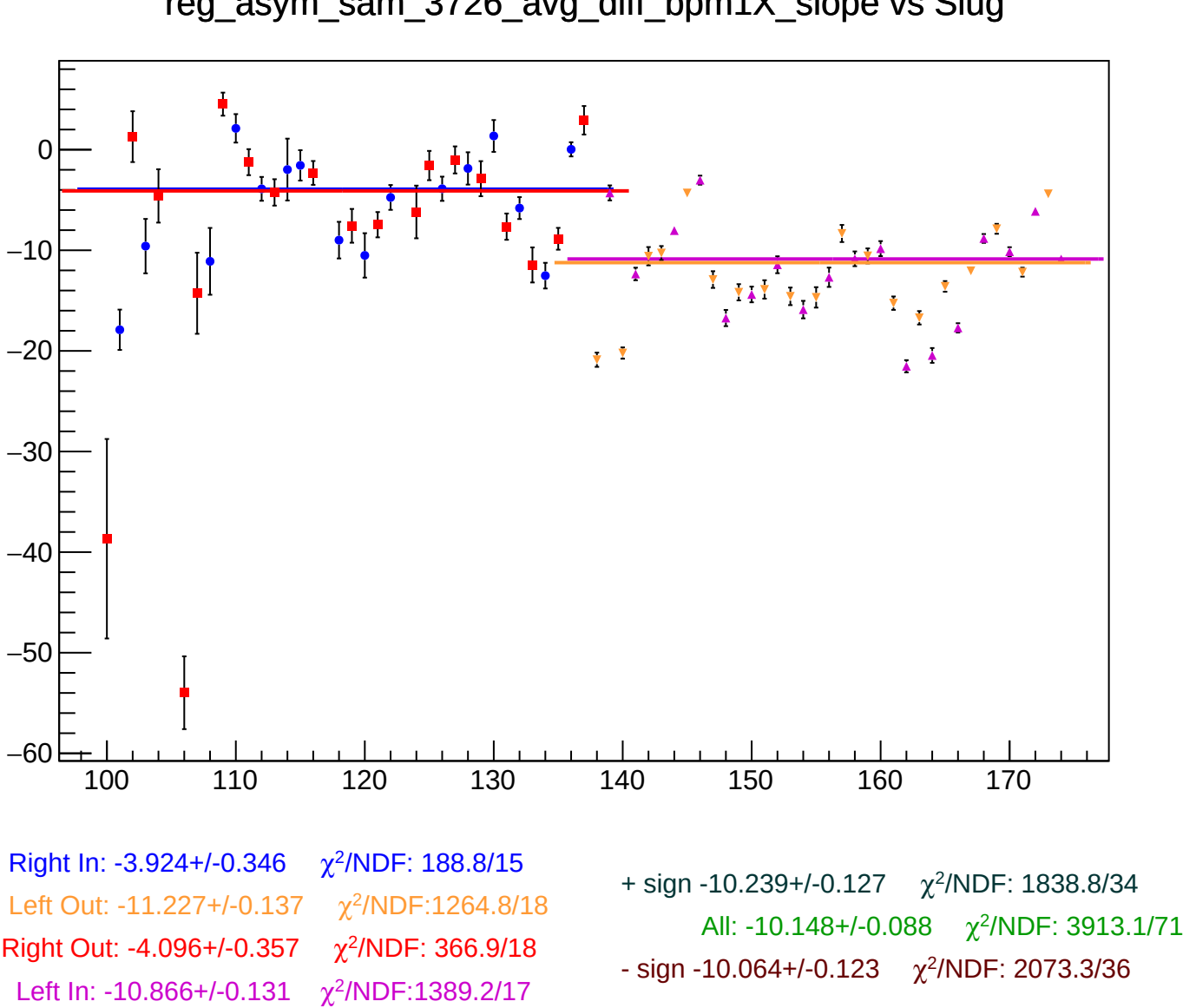
Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.330+/-0.002 χ^2/NDF:762.7/17

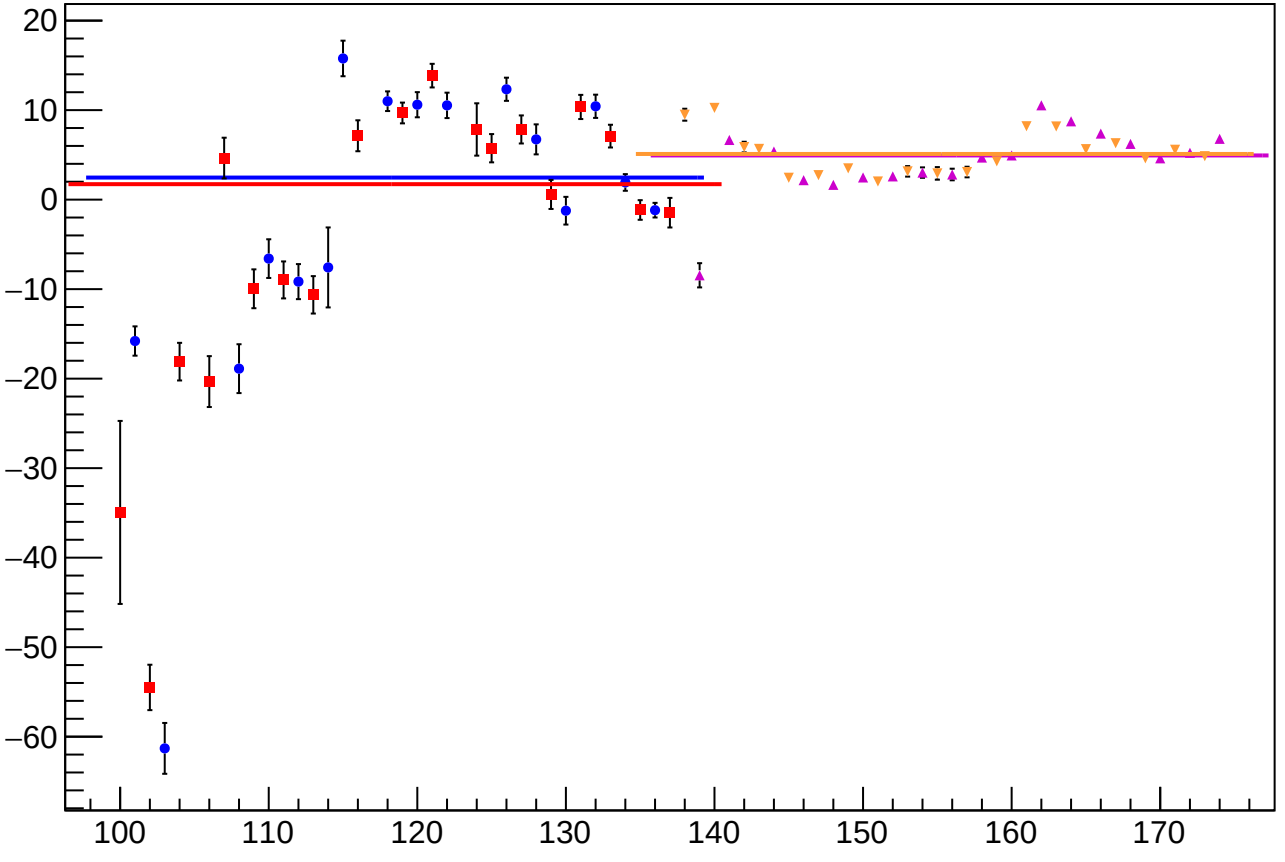
+ sign 0.338+/-0.002 χ^2/NDF: 1057.7/34

All: 0.331+/-0.002 χ^2/NDF: 3030.1/71

- sign 0.325+/-0.002 χ^2/NDF: 1956.7/36


reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
170
Right In: -3.924+/-0.346 χ²/NDF: 188.8/15
Left Out: -11.227+/-0.137 χ²/NDF:1264.8/18
Right Out: -4.096+/-0.357 χ²/NDF: 366.9/18
Left In: -10.866+/-0.131 χ²/NDF:1389.2/17
+ sign -10.239+/-0.127 χ²/NDF: 1838.8/34
All: -10.148+/-0.088 χ²/NDF: 3913.1/71
- sign -10.064+/-0.123 χ²/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: 5.101+/-0.099 χ^2/NDF:471.7/18

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

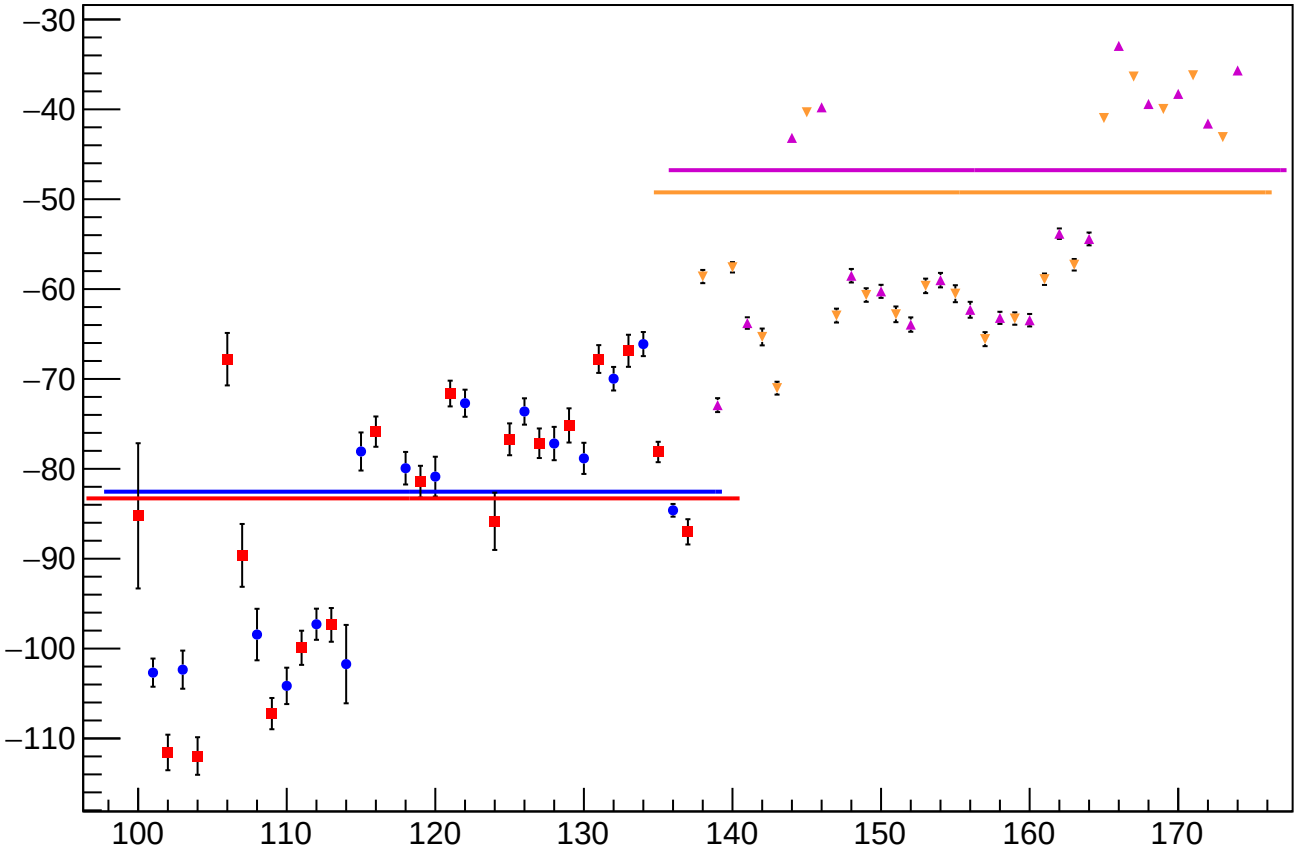
Left In: 4.936+/-0.095 χ^2/NDF:645.5/17

+ sign 4.914+/-0.095 χ^2/NDF: 1569.2/34

All: 4.831+/-0.066 χ^2/NDF: 3264.4/71

- sign 4.751+/-0.093 χ^2/NDF: 1693.7/36

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -49.238+/-0.136 χ^2/NDF:6990.2/18

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

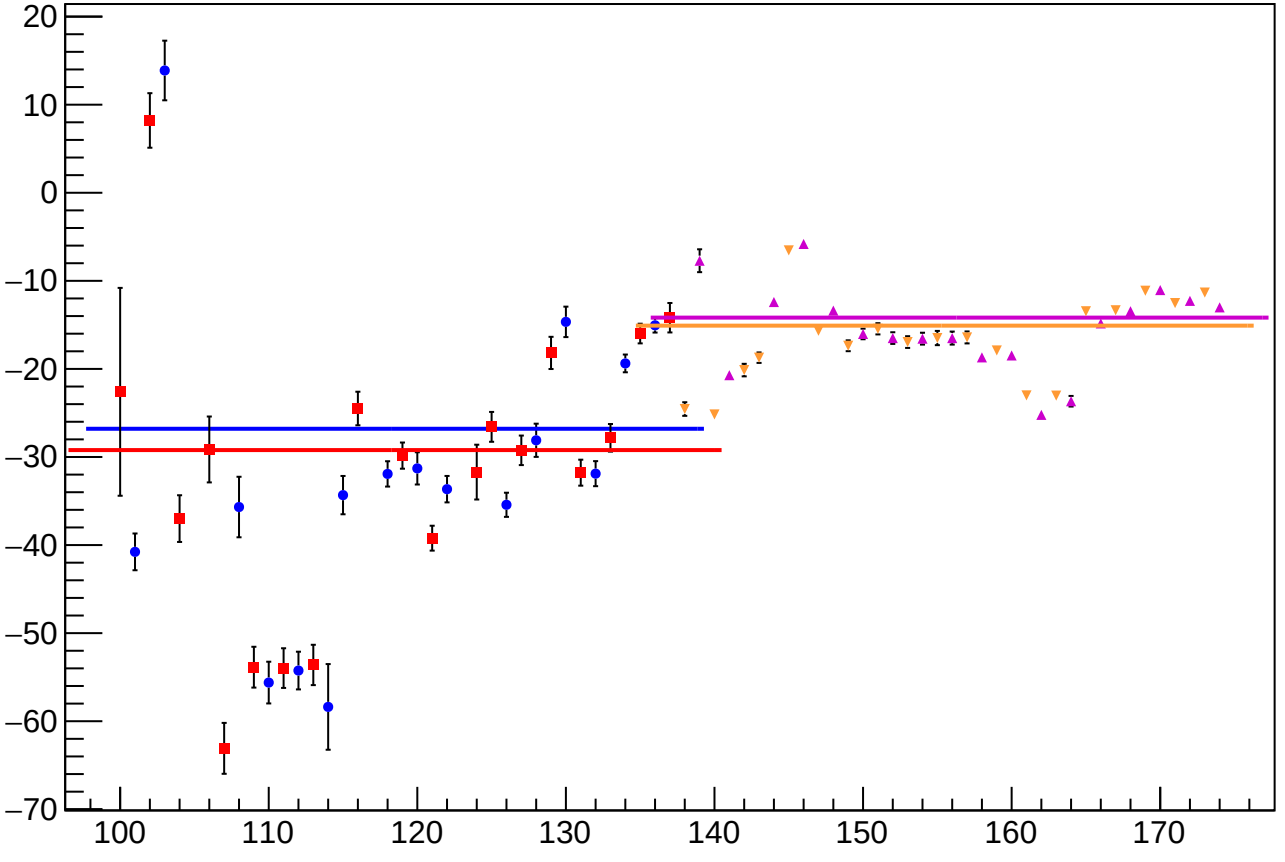
Left In: -46.769+/-0.131 χ^2/NDF:7695.0/17

+ sign -52.967+/-0.129 χ^2/NDF: 14497.9/34

All: -51.479+/-0.090 χ^2/NDF: 30613.2/71

- sign -50.079+/-0.125 χ^2/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: -15.087+/-0.112 χ^2/NDF:2014.9/18

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

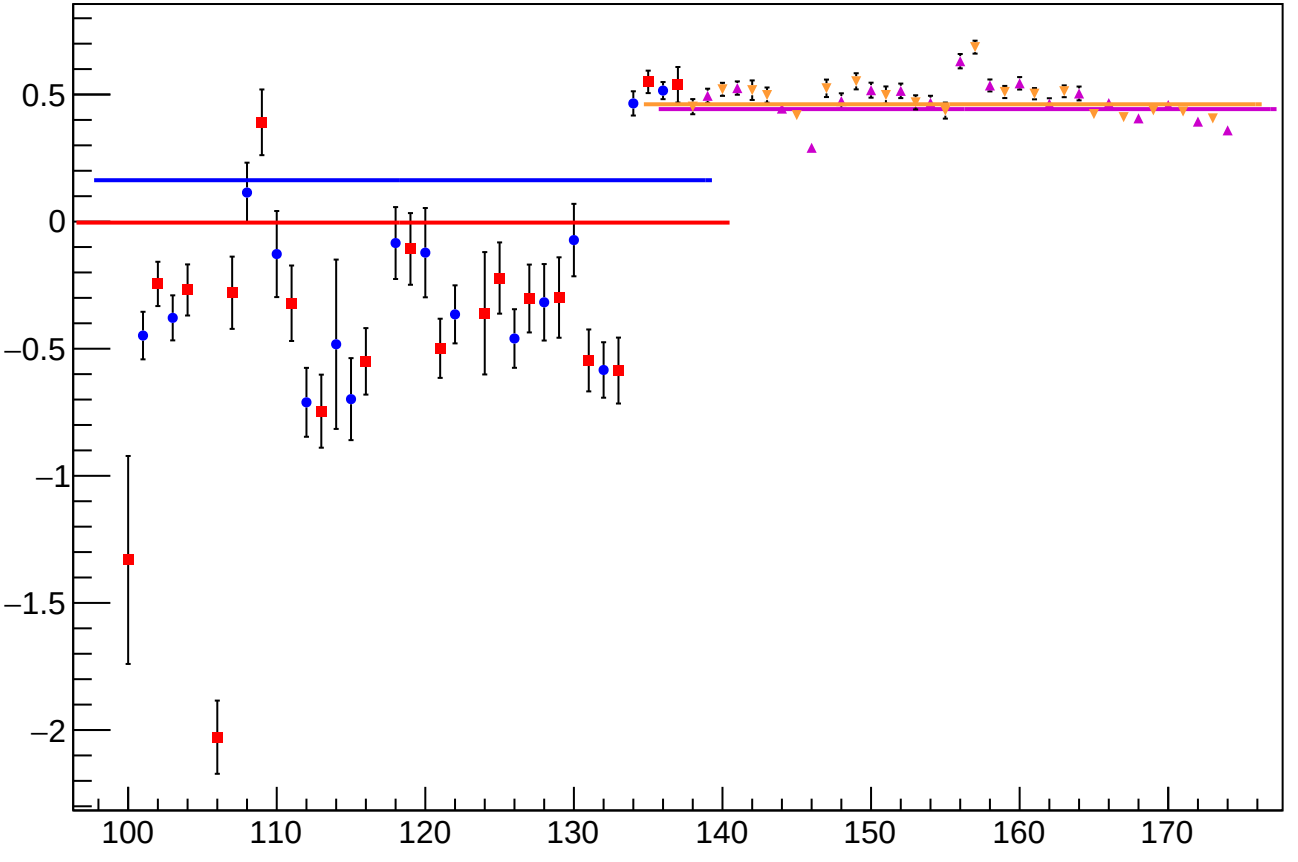
Left In: -14.176+/-0.108 χ^2/NDF:1919.1/17

+ sign -15.954+/-0.108 χ^2/NDF: 3789.5/34

All: -15.503+/-0.075 χ^2/NDF: 7848.4/71

- 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: 0.462+/-0.005 χ^2/NDF:152.8/18

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

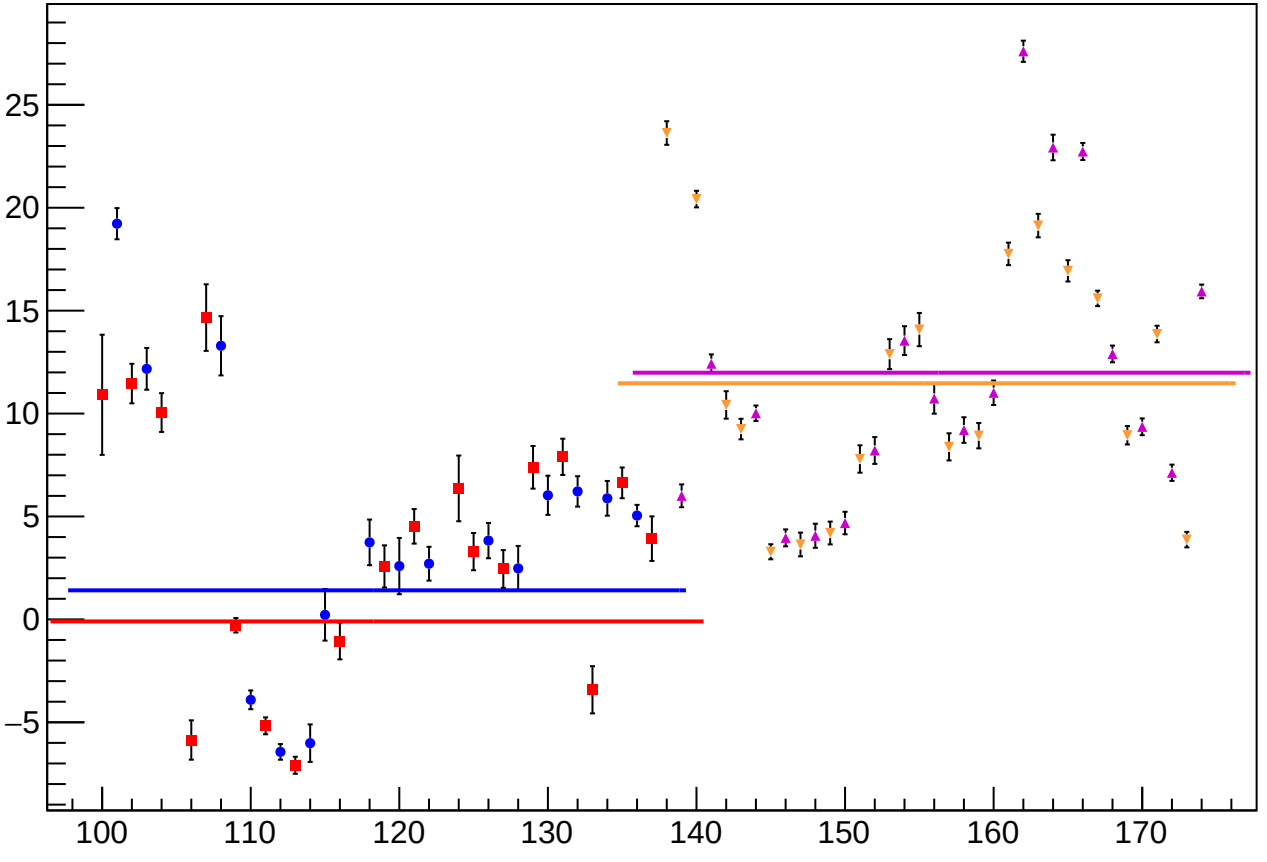
Left In: 0.443+/-0.005 χ^2/NDF:235.6/17

+ sign 0.446+/-0.005 χ^2/NDF: 760.0/34

All: 0.435+/-0.003 χ^2/NDF: 1899.7/71

- 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: 11.471+/-0.115 χ^2/NDF:2924.8/18

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

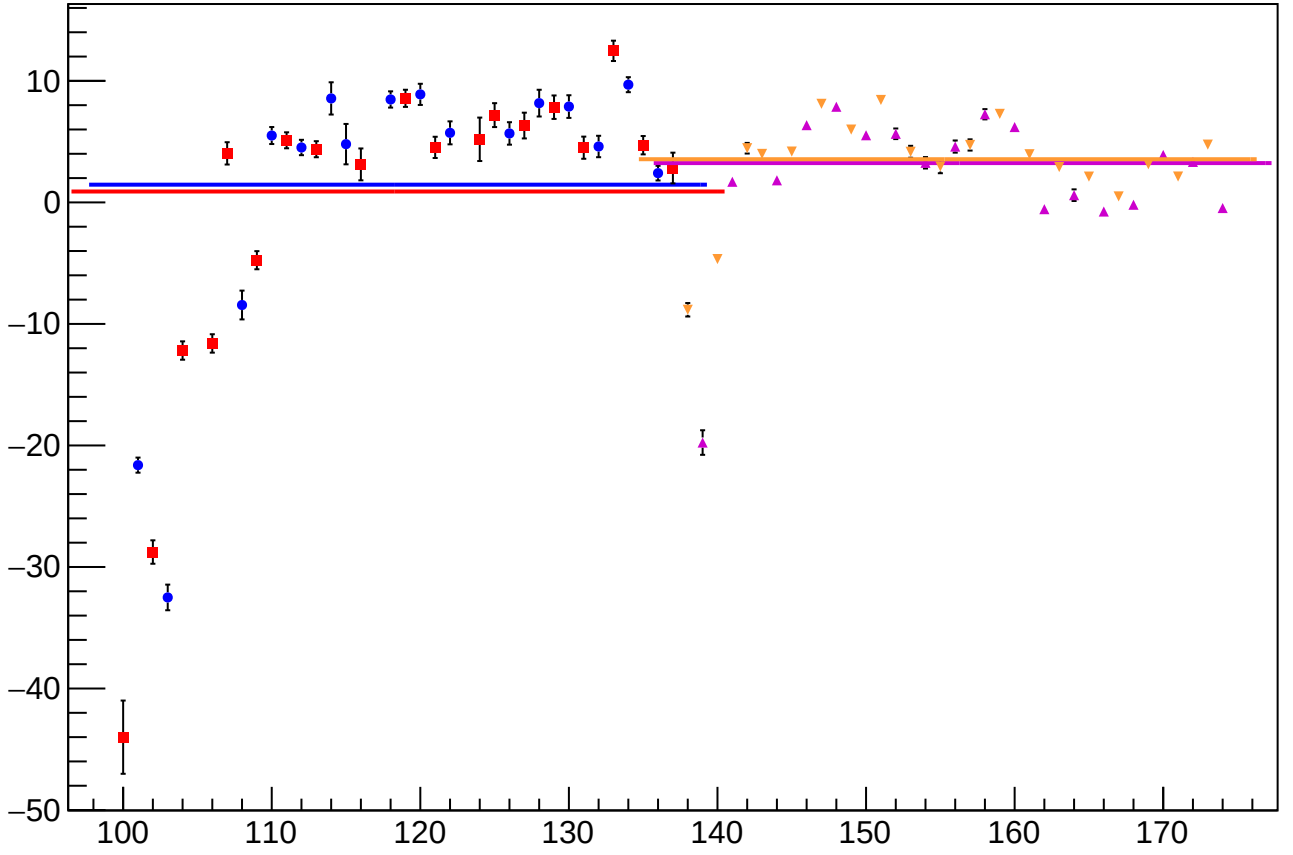
Left In: 11.985+/-0.113 χ^2/NDF:3190.4/17

+ sign 8.616+/-0.098 χ^2/NDF: 6608.5/34

All: 8.408+/-0.067 χ^2/NDF: 14540.4/71

- 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: 3.553+/-0.082 χ^2/NDF:1896.0/18

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

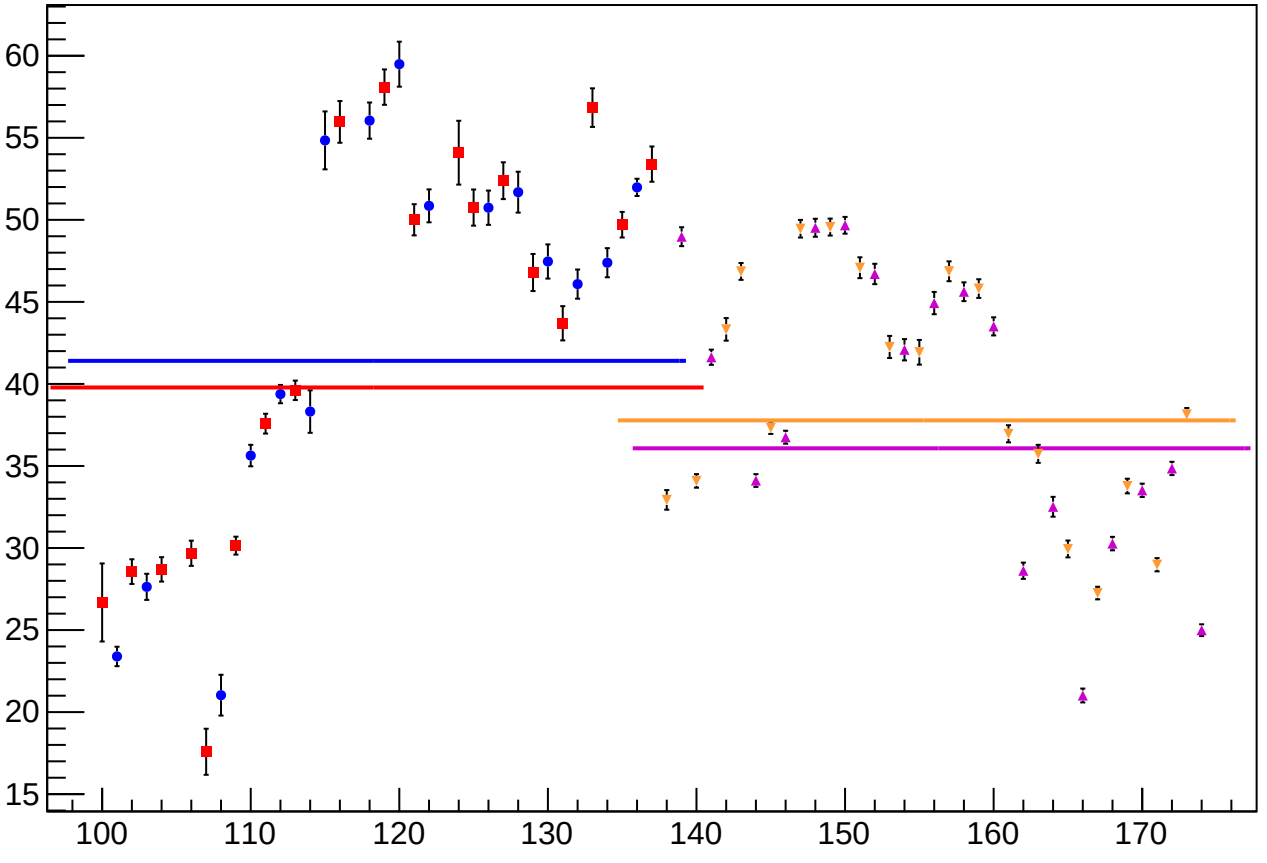
Left In: 3.235+/-0.082 χ^2/NDF:1770.5/17

+ sign 3.260+/-0.076 χ^2/NDF: 5067.4/34

All: 3.082+/-0.054 χ^2/NDF: 9341.1/71

- 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: 37.779+/-0.115 χ^2/NDF:3778.7/18

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

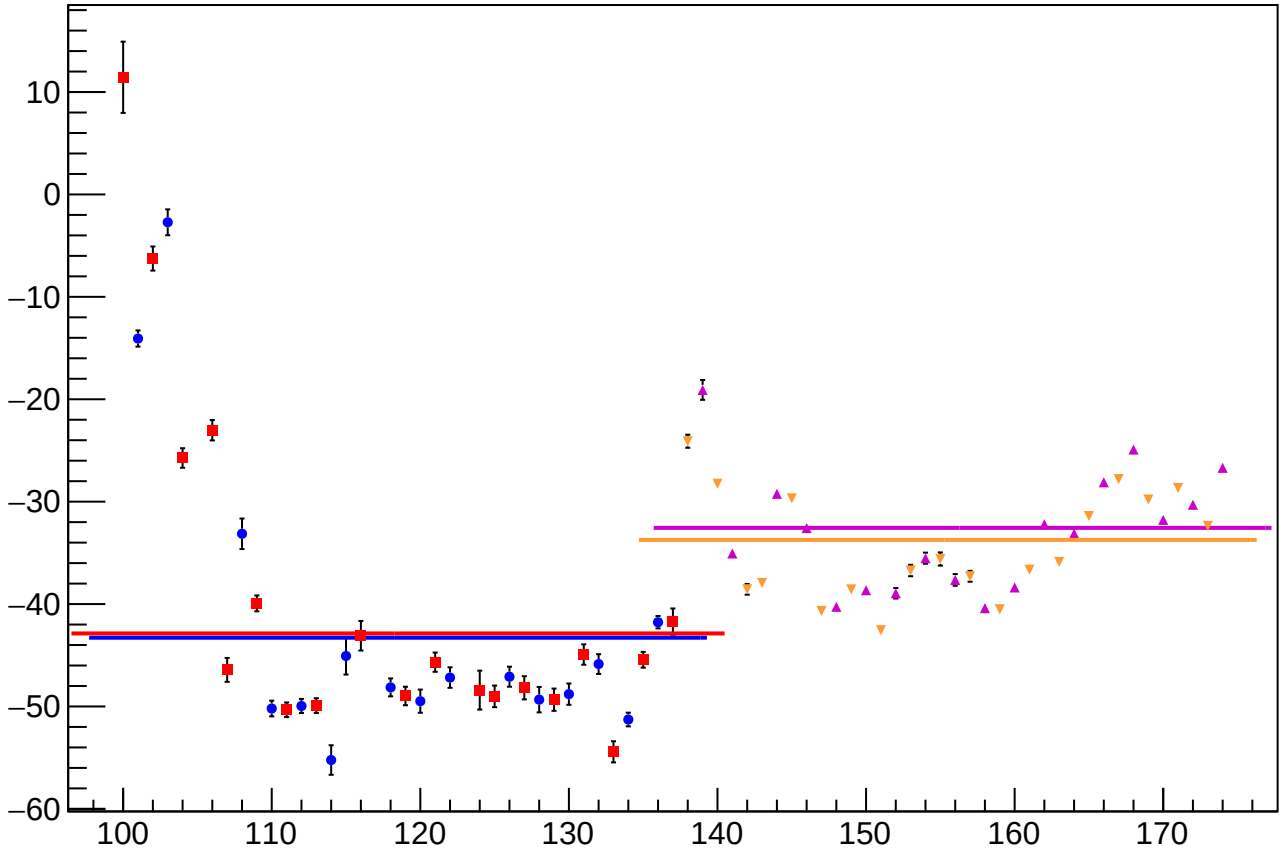
Left In: 36.076+/-0.112 χ^2/NDF:5716.1/17

+ sign 38.607+/-0.101 χ^2/NDF: 6753.7/34

All: 37.755+/-0.070 χ^2/NDF: 15519.3/71

- 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: -33.735+/-0.094 χ^2/NDF:2735.2/18

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

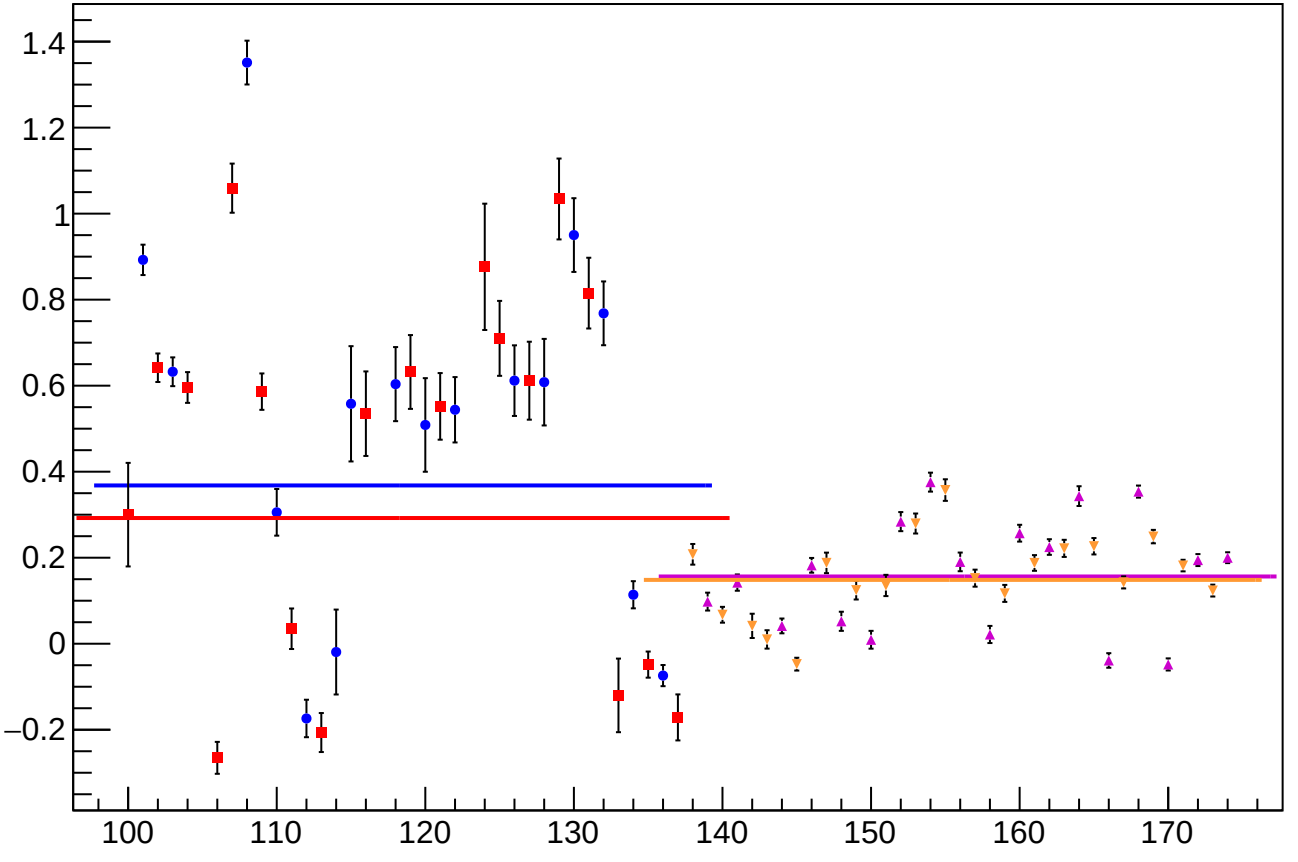
Left In: -32.560+/-0.093 χ^2/NDF:2692.9/17

+ sign -35.109+/-0.087 χ^2/NDF: 7205.2/34

All: -34.562+/-0.061 χ^2/NDF: 14168.6/71

- 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: 0.148+/-0.004 χ^2/NDF:448.5/18

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

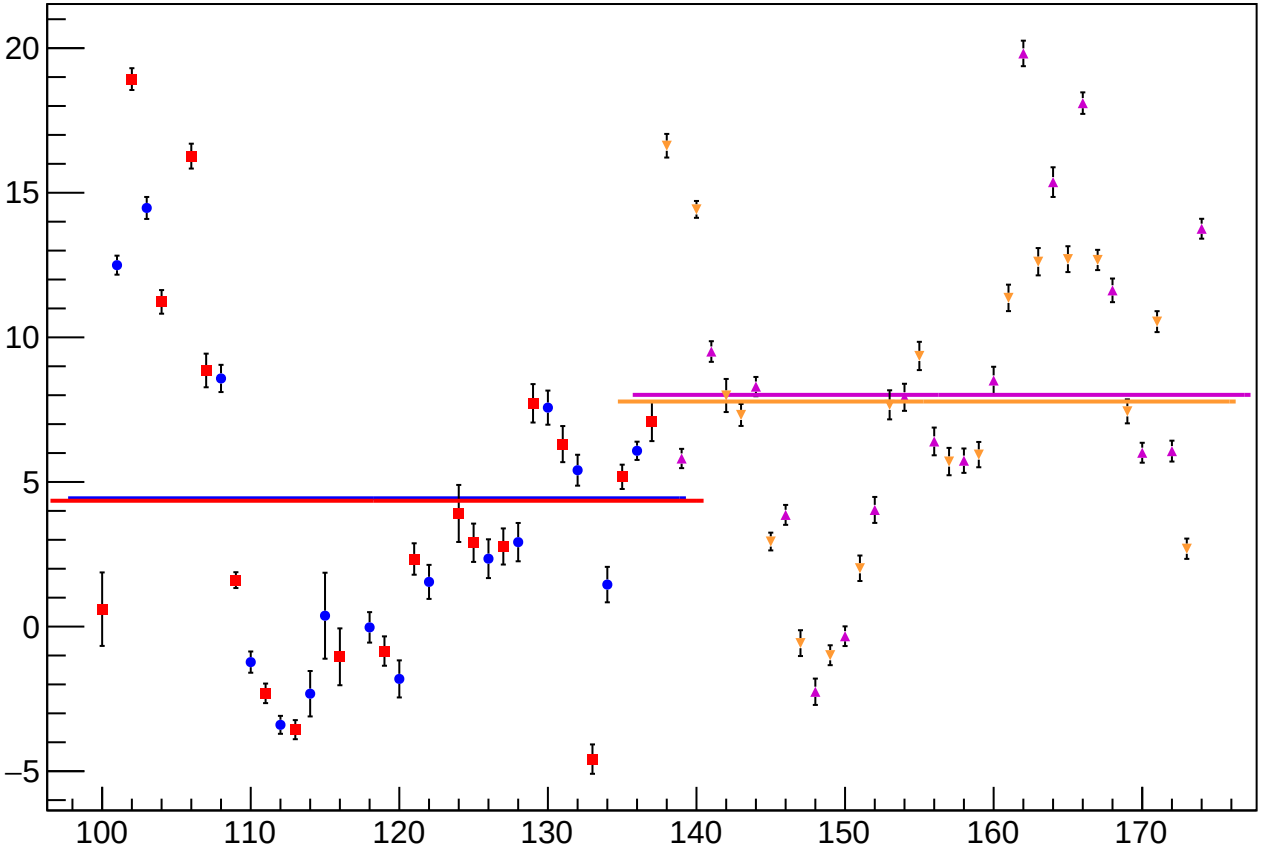
Left In: 0.156+/-0.004 χ^2/NDF:974.6/17

+ sign 0.172+/-0.004 χ^2/NDF: 2058.1/34

All: 0.172+/-0.003 χ^2/NDF: 4344.7/71

- 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: 7.782+/-0.092 χ^2/NDF:3208.2/18

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

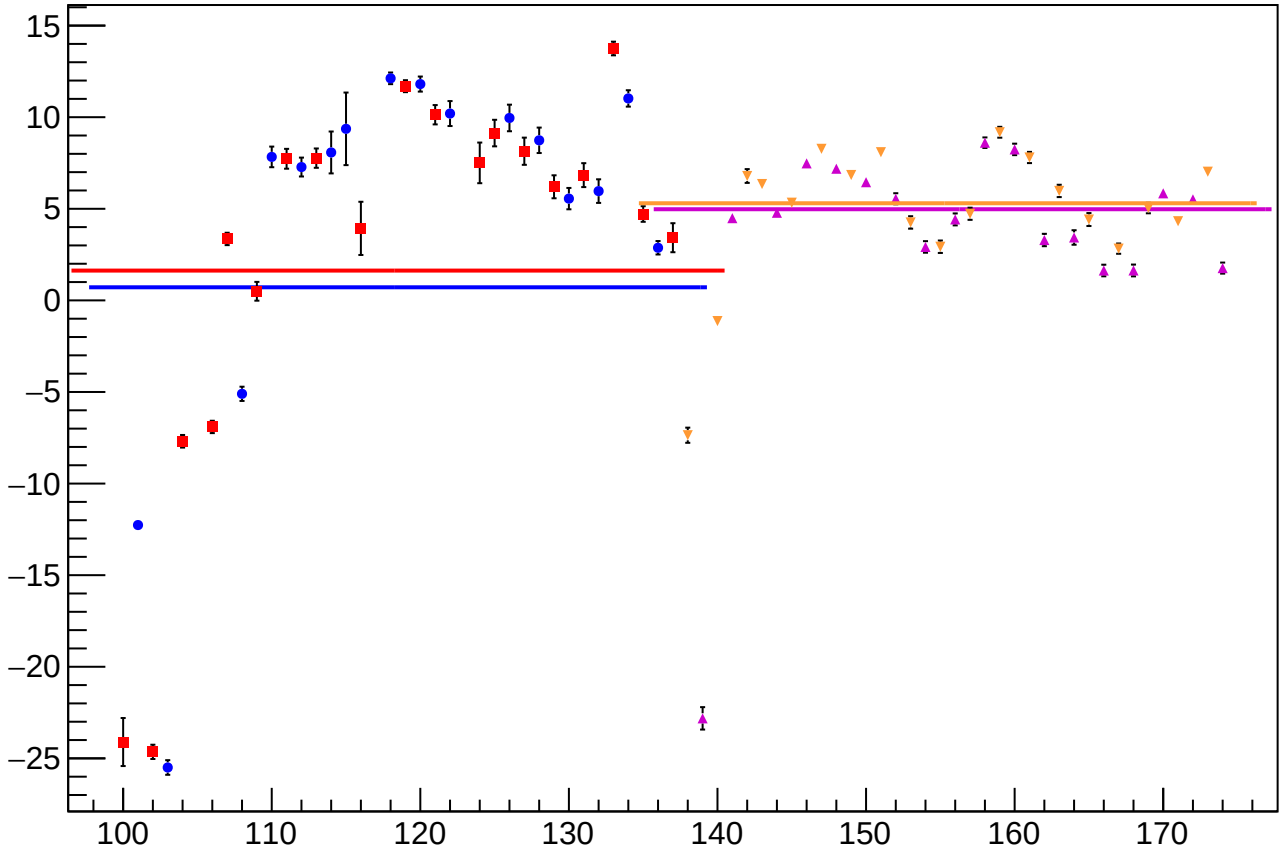
Left In: 8.012+/-0.092 χ^2/NDF:3513.7/17

+ sign 6.507+/-0.072 χ^2/NDF: 6337.1/34

All: 6.499+/-0.050 χ^2/NDF: 14714.8/71

- 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: 5.302+/-0.065 χ^2/NDF:2479.9/18

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

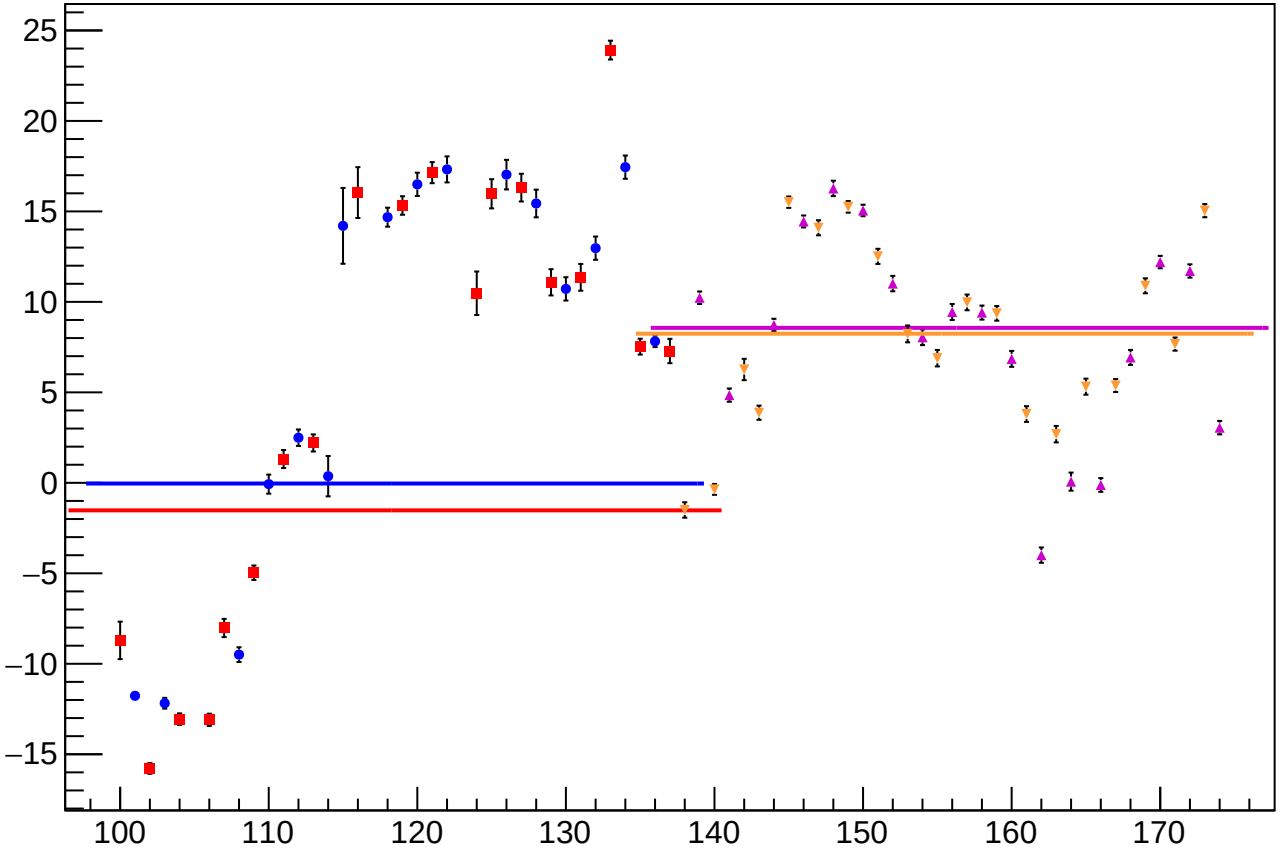
Left In: 4.976+/-0.067 χ^2/NDF:3057.6/17

+ sign 4.202+/-0.057 χ^2/NDF: 14124.3/34

All: 4.144+/-0.040 χ^2/NDF: 27107.4/71

- 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: 8.242+/-0.091 χ^2/NDF:3574.1/18

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

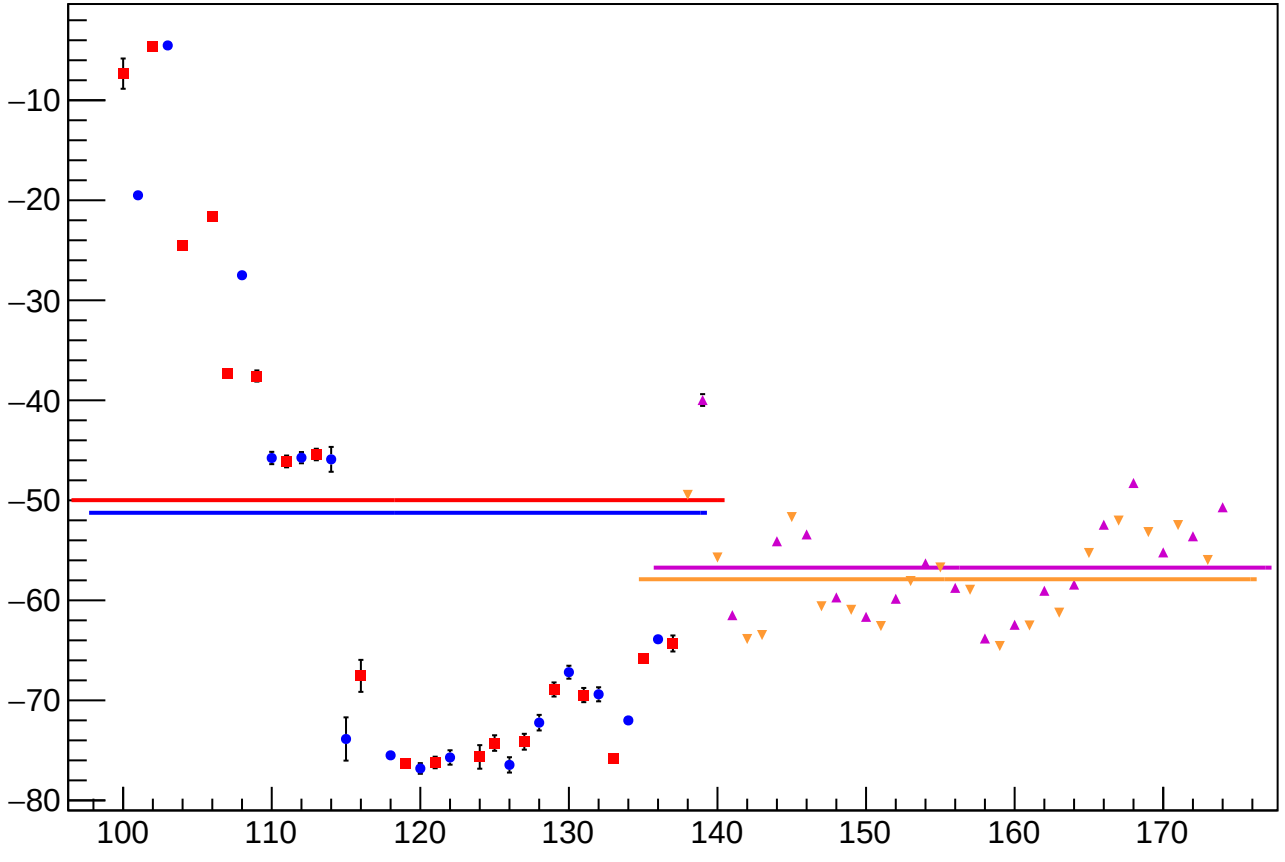
Left In: 8.565+/-0.091 χ^2/NDF:3350.9/17

+ sign 5.218+/-0.072 χ^2/NDF: 15902.8/34

All: 4.958+/-0.051 χ^2/NDF: 36150.8/71

- sign 4.705+/-0.071 χ^2/NDF: 20222.4/36

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -57.890+/-0.075 χ^2/NDF:3524.1/18

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

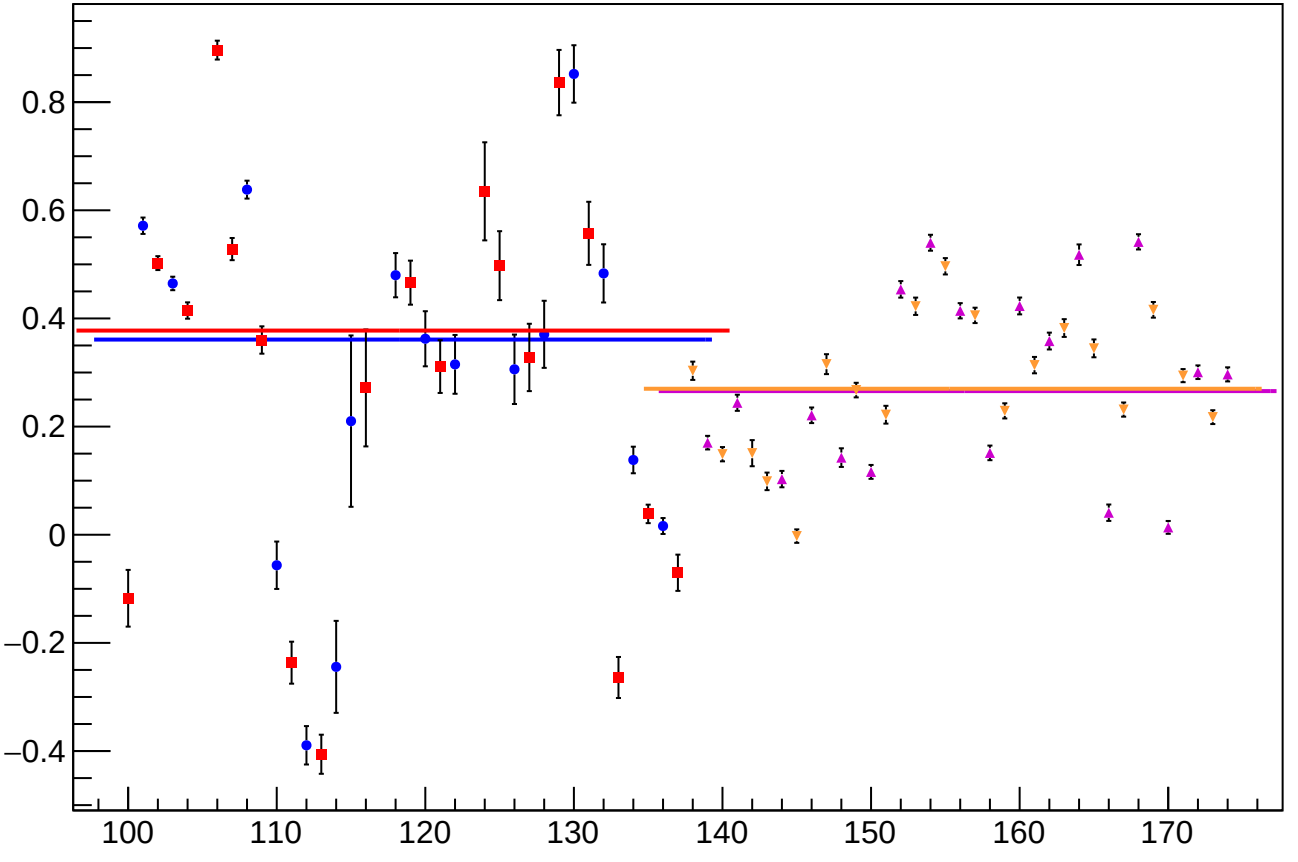
Left In: -56.730+/-0.076 χ^2/NDF:3912.6/17

+ sign -56.339+/-0.066 χ^2/NDF: 39125.1/34

All: -55.680+/-0.046 χ^2/NDF: 79121.2/71

- 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: 0.270+/-0.003 χ^2/NDF:1337.1/18

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

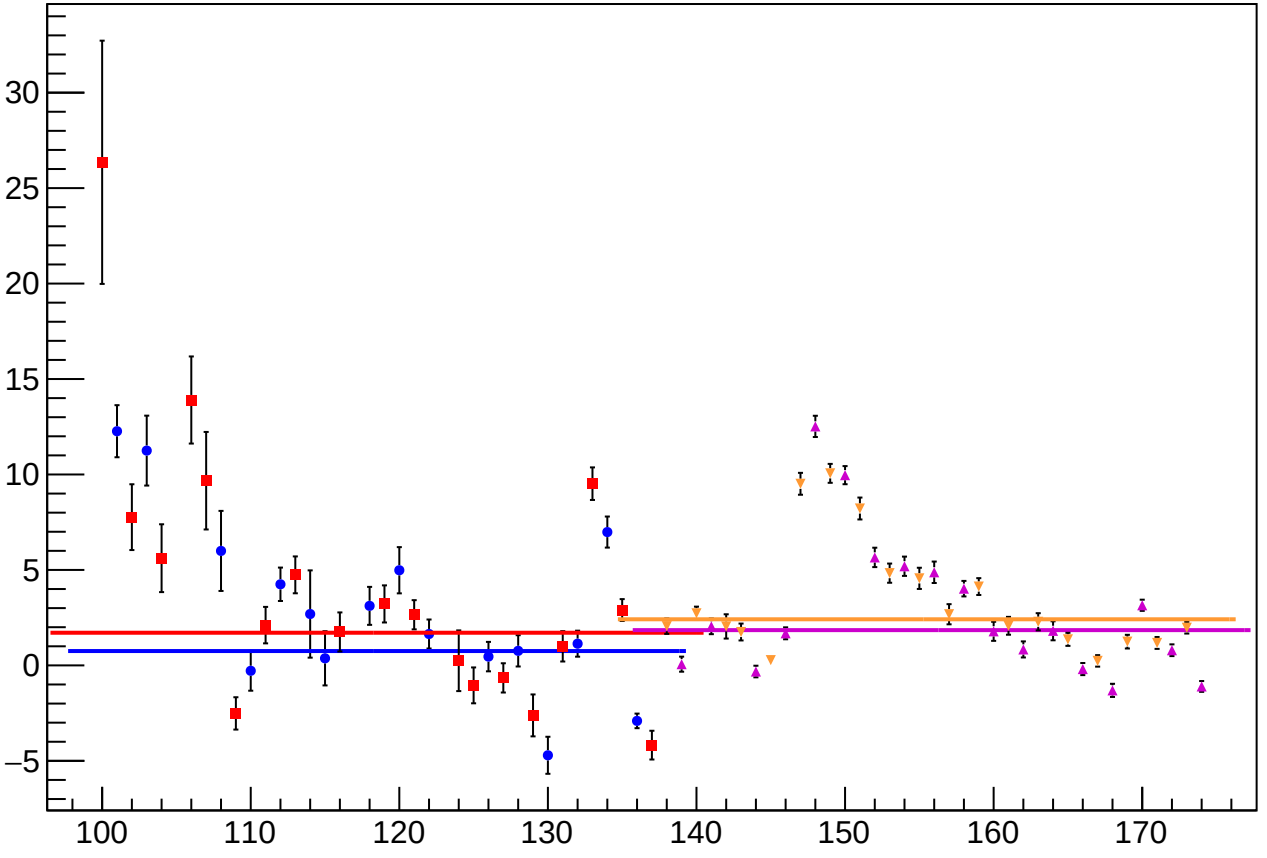
Left In: 0.266+/-0.003 χ^2/NDF:2430.1/17

+ sign 0.290+/-0.003 χ^2/NDF: 3356.1/34

All: 0.291+/-0.002 χ^2/NDF: 8834.2/71

- 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: 2.415+/-0.091 χ^2/NDF:708.1/18

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

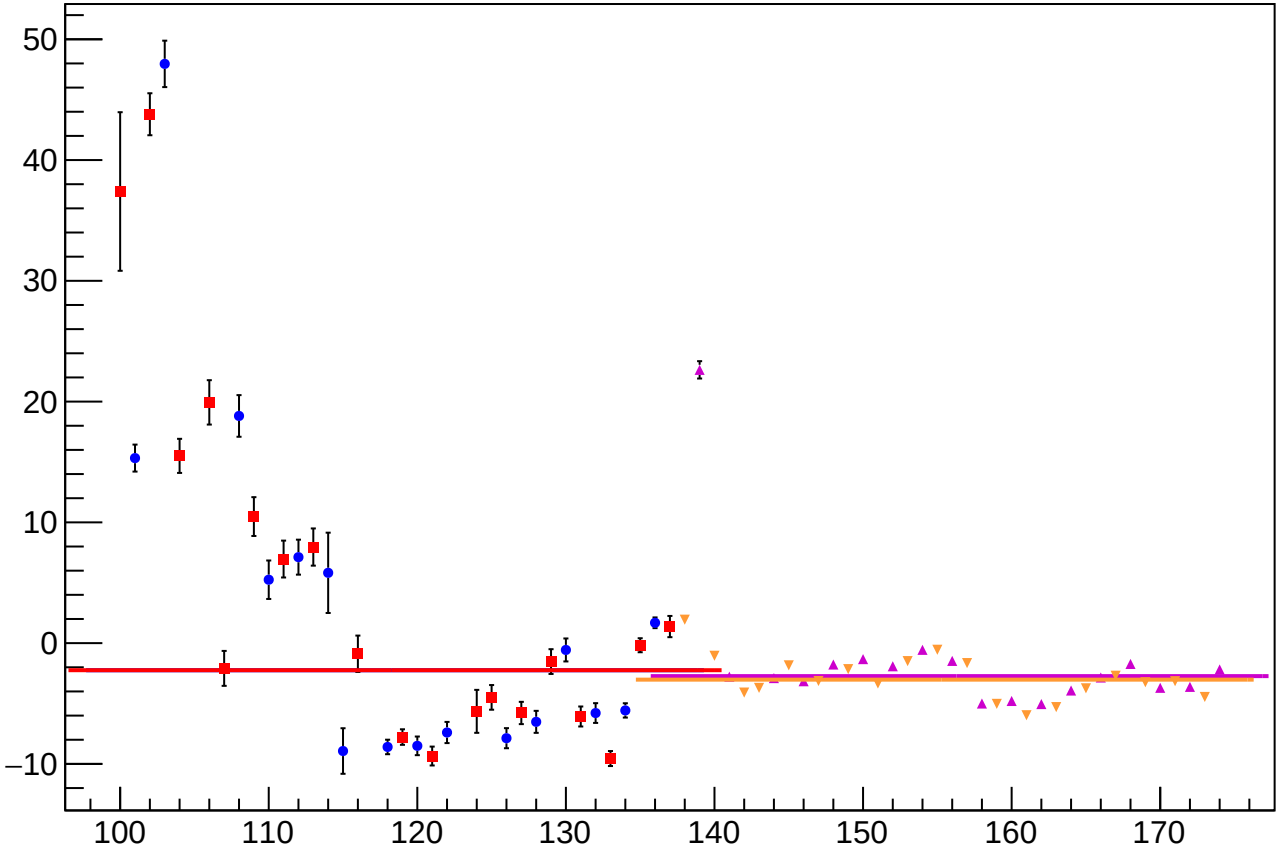
Left In: 1.847+/-0.090 χ^2/NDF:1160.9/17

+ sign 2.156+/-0.084 χ^2/NDF: 1090.0/34

All: 1.991+/-0.059 χ^2/NDF: 2552.7/71

- 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: -3.023+/-0.066 χ^2/NDF:562.4/18

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

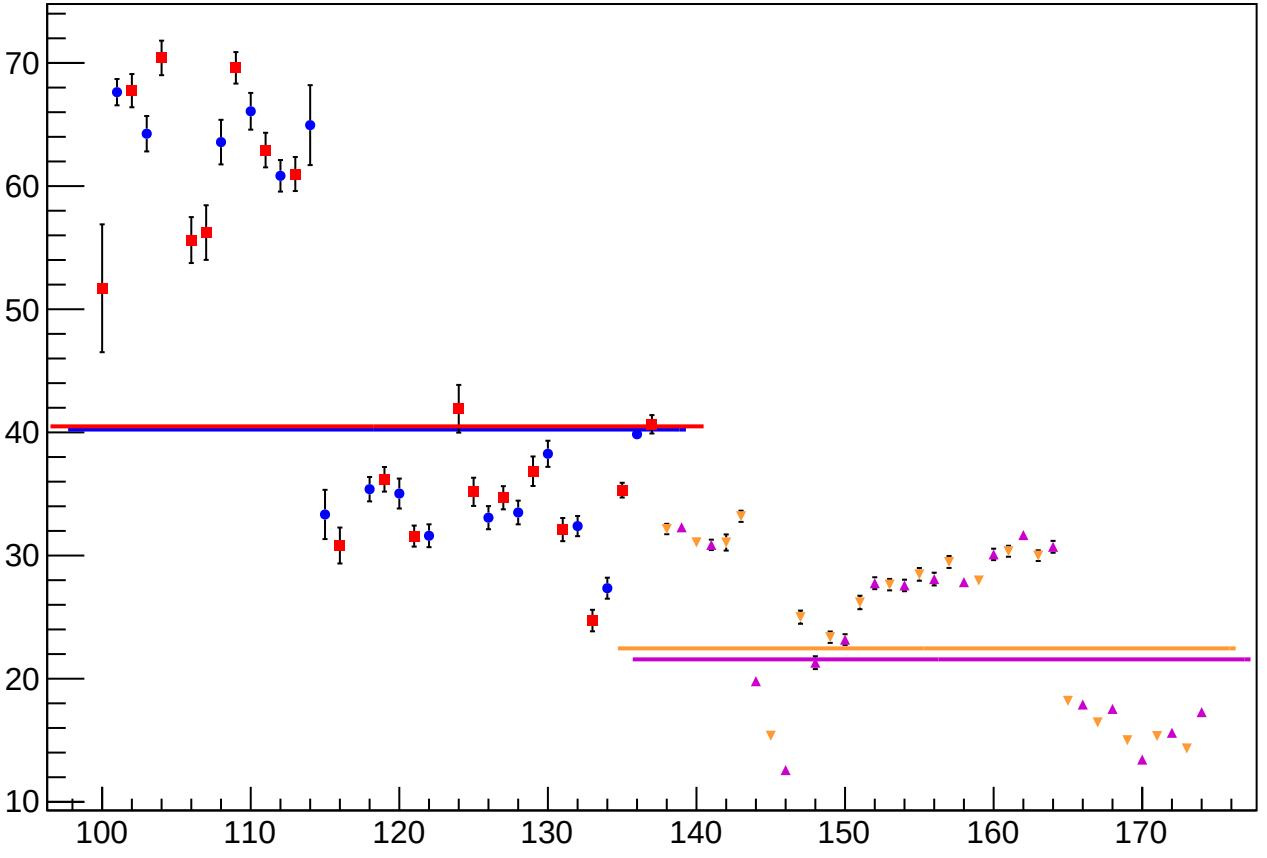
Left In: -2.731+/-0.066 χ^2/NDF:1566.2/17

+ sign -2.956+/-0.063 χ^2/NDF: 2146.8/34

All: -2.825+/-0.045 χ^2/NDF: 5281.5/71

- 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: 22.461+/-0.091 χ^2/NDF:5988.7/18

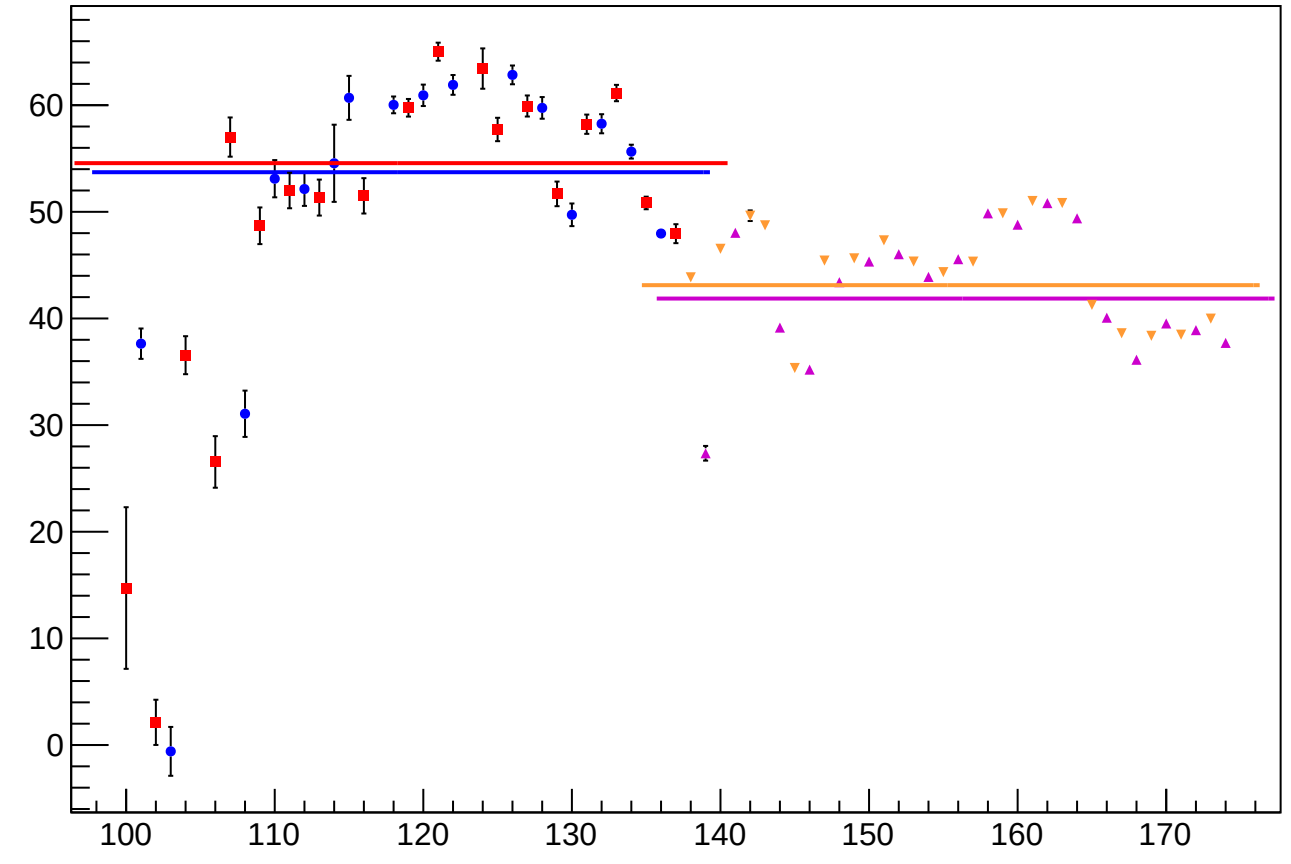
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.569+/-0.089 χ^2/NDF:5773.9/17

+ sign 24.827+/-0.084 χ^2/NDF: 13390.8/34

All: 24.253+/-0.059 χ^2/NDF: 27023.2/71

- 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: 43.122+/-0.075 χ^2/NDF:4412.0/18

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

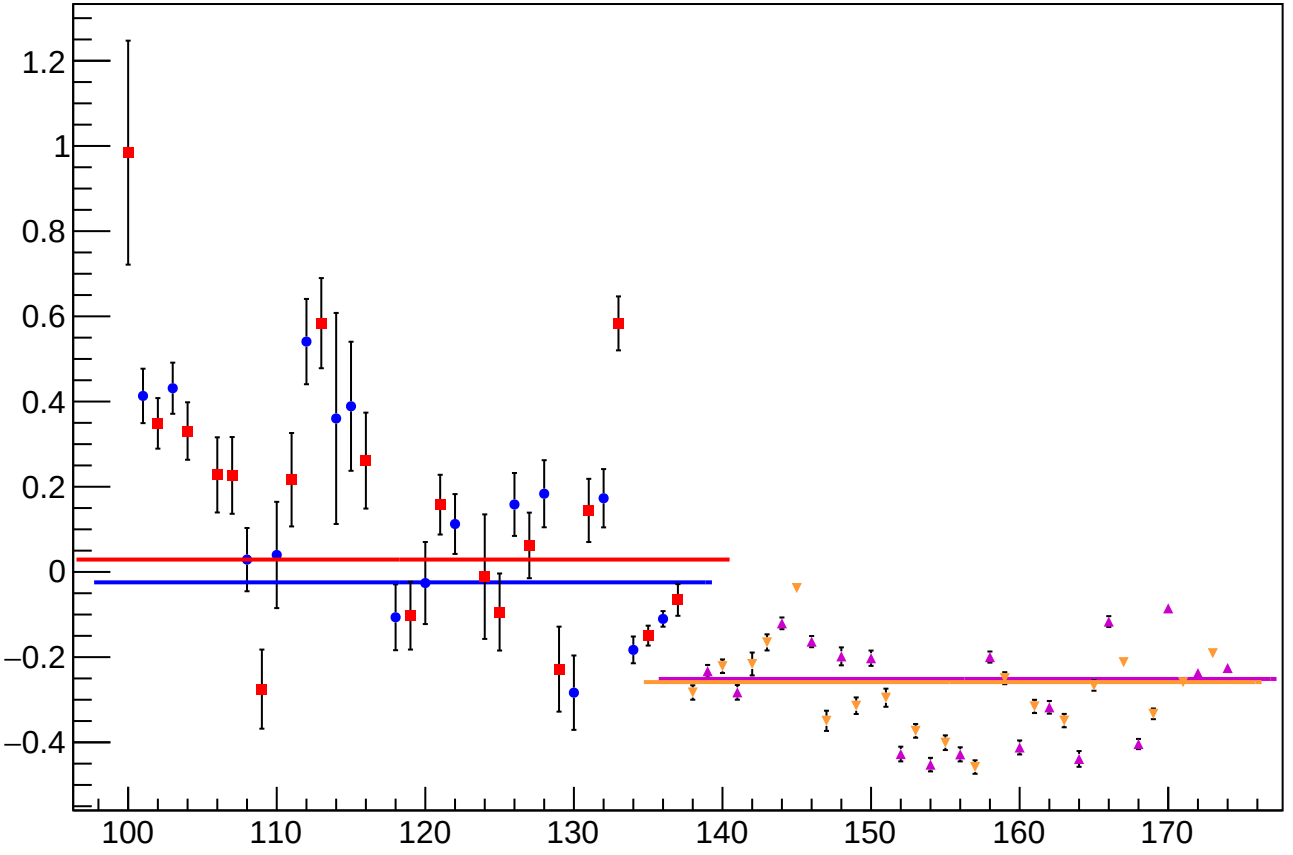
Left In: 41.867+/-0.074 χ^2/NDF:4997.1/17

\+ sign 44.069+/-0.071 χ^2/NDF: 7563.4/34

All: 43.461+/-0.051 χ^2/NDF: 16315.0/71

\- 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: -0.259+/-0.003 χ^2/NDF:893.1/18

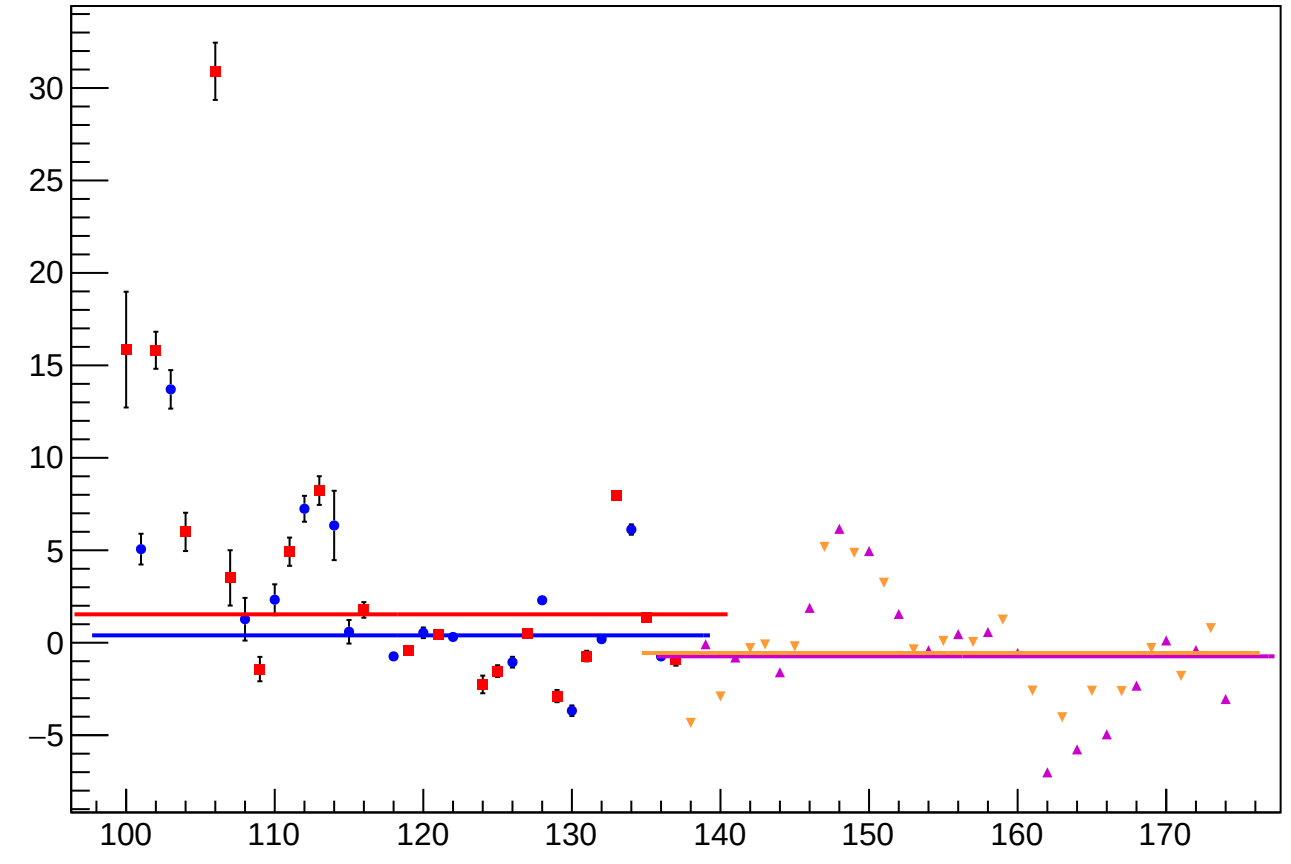
Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.251+/-0.003 χ^2/NDF:1316.5/17

+ sign -0.244+/-0.003 χ^2/NDF: 1435.8/34

All: -0.240+/-0.002 χ^2/NDF: 3398.3/71

- sign -0.237+/-0.003 χ^2/NDF: 1960.4/36



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -0.556+/-0.035 χ^2/NDF:4674.9/18

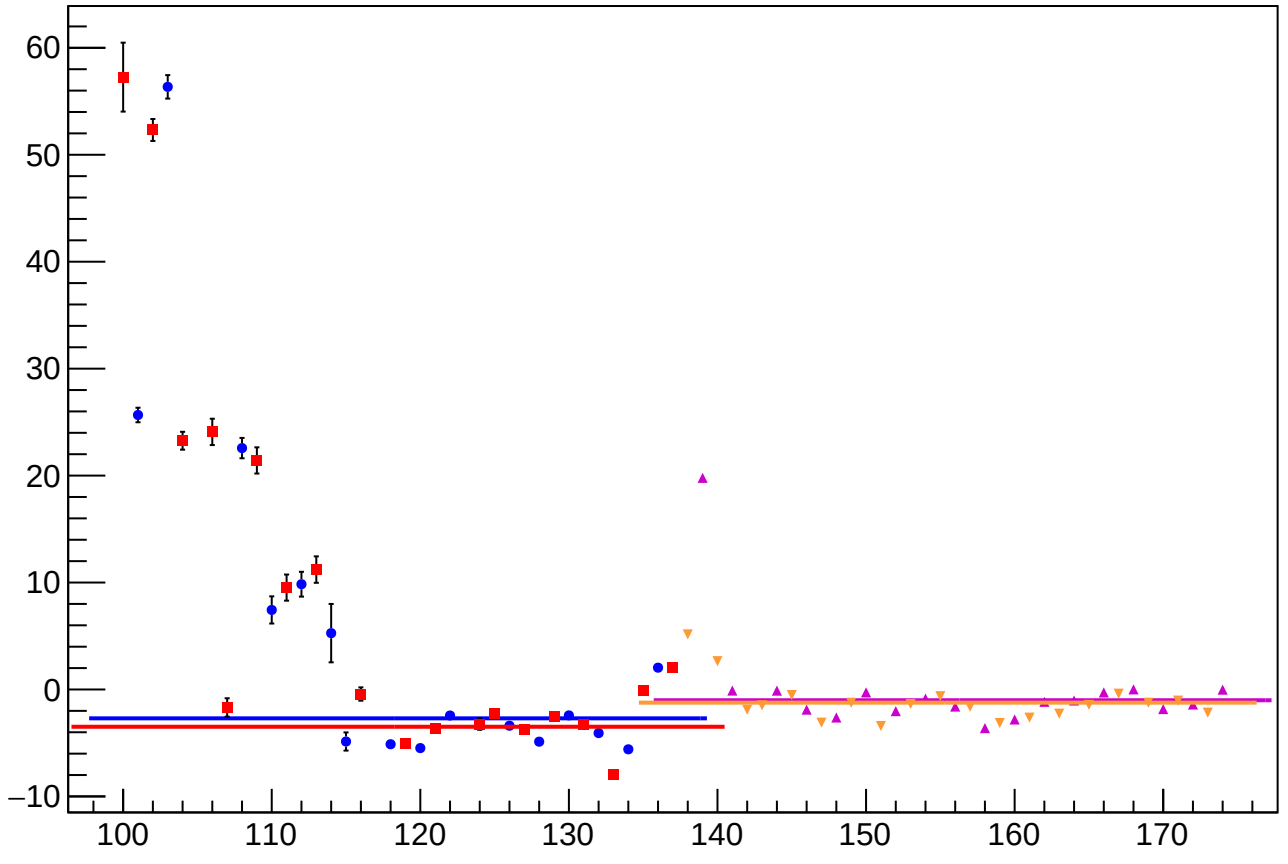
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -0.737+/-0.034 χ^2/NDF:7119.1/17

+ sign -0.395+/-0.032 χ^2/NDF: 5899.7/34

All: -0.385+/-0.022 χ^2/NDF: 16140.8/71

- sign -0.376+/-0.031 χ^2/NDF: 10240.9/36



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -1.231+/-0.025 χ^2/NDF:4377.8/18

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

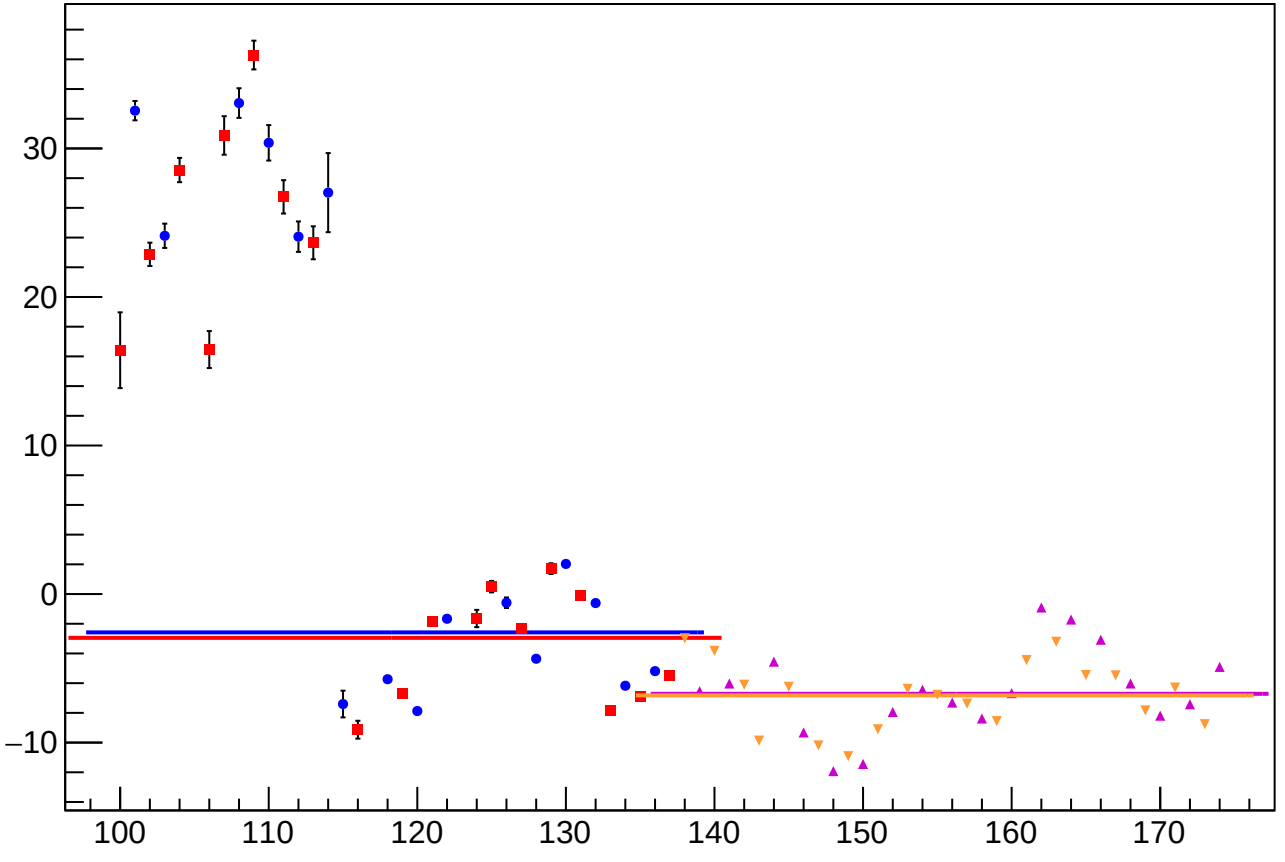
Left In: -1.007+/-0.025 χ^2/NDF:8451.9/17

+ sign -1.395+/-0.024 χ^2/NDF: 11864.1/34

All: -1.338+/-0.017 χ^2/NDF: 28576.0/71

- 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: -6.824+/-0.035 χ^2/NDF:3916.4/18

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

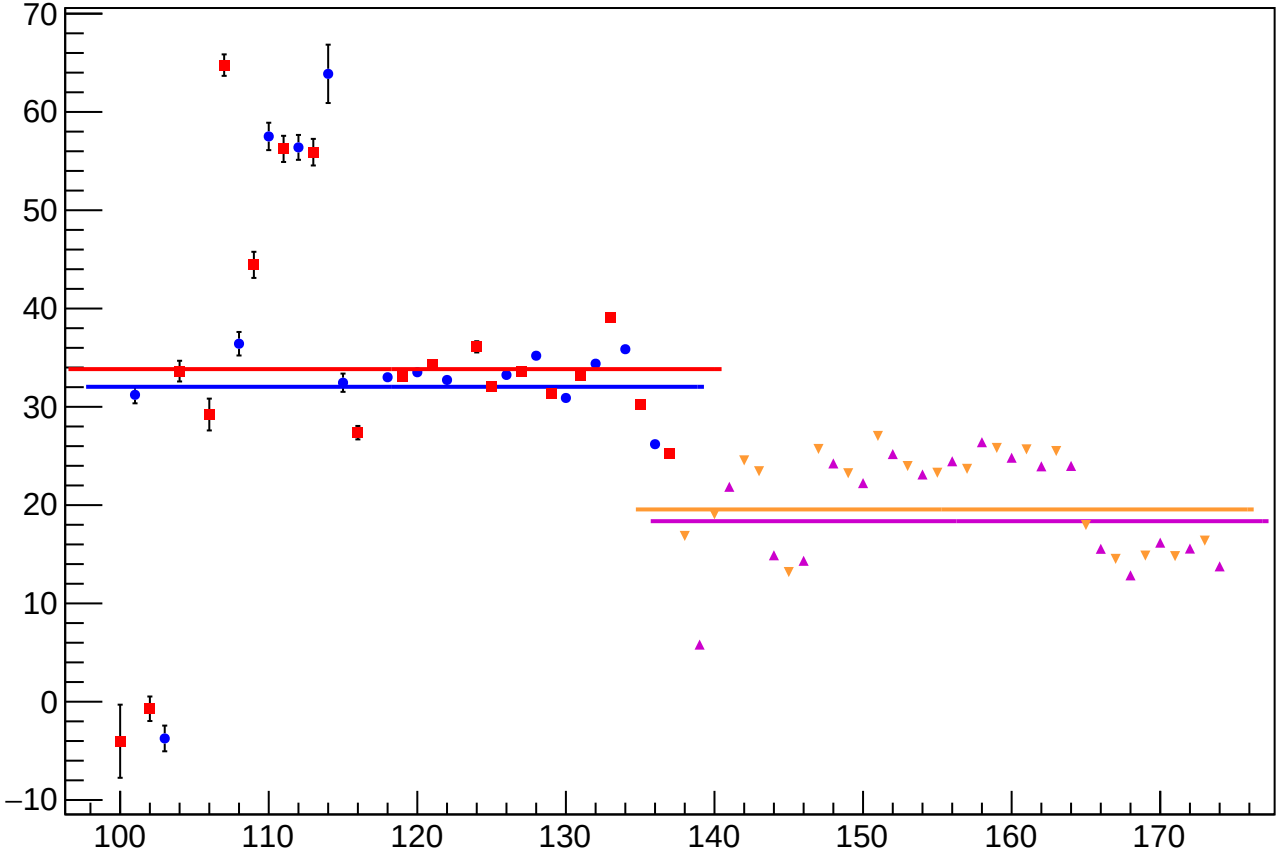
Left In: -6.717+/-0.034 χ^2/NDF:6007.1/17

+ sign -6.197+/-0.032 χ^2/NDF: 14297.3/34

All: -6.199+/-0.022 χ^2/NDF: 30200.6/71

- sign -6.202+/-0.031 χ^2/NDF: 15903.3/36

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 19.561+/-0.029 χ^2/NDF:28600.0/18

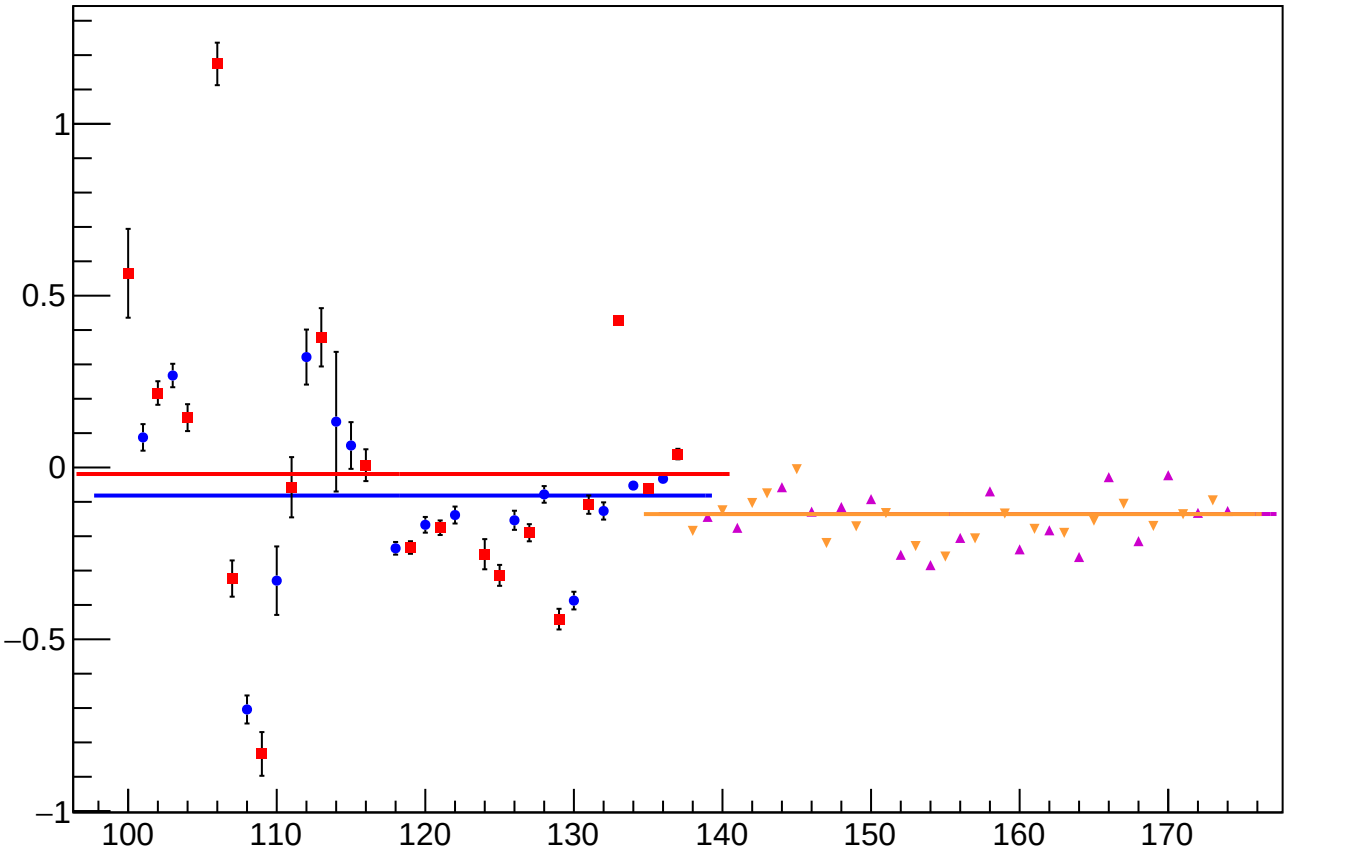
Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 18.366+/-0.028 χ^2/NDF:28820.9/17

+ sign 20.946+/-0.027 χ^2/NDF: 52799.7/34

All: 20.488+/-0.019 χ^2/NDF: 118474.5/71

- sign 20.038+/-0.027 χ^2/NDF: 65107.0/36



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.136+/-0.001 χ^2/NDF:2357.7/18

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

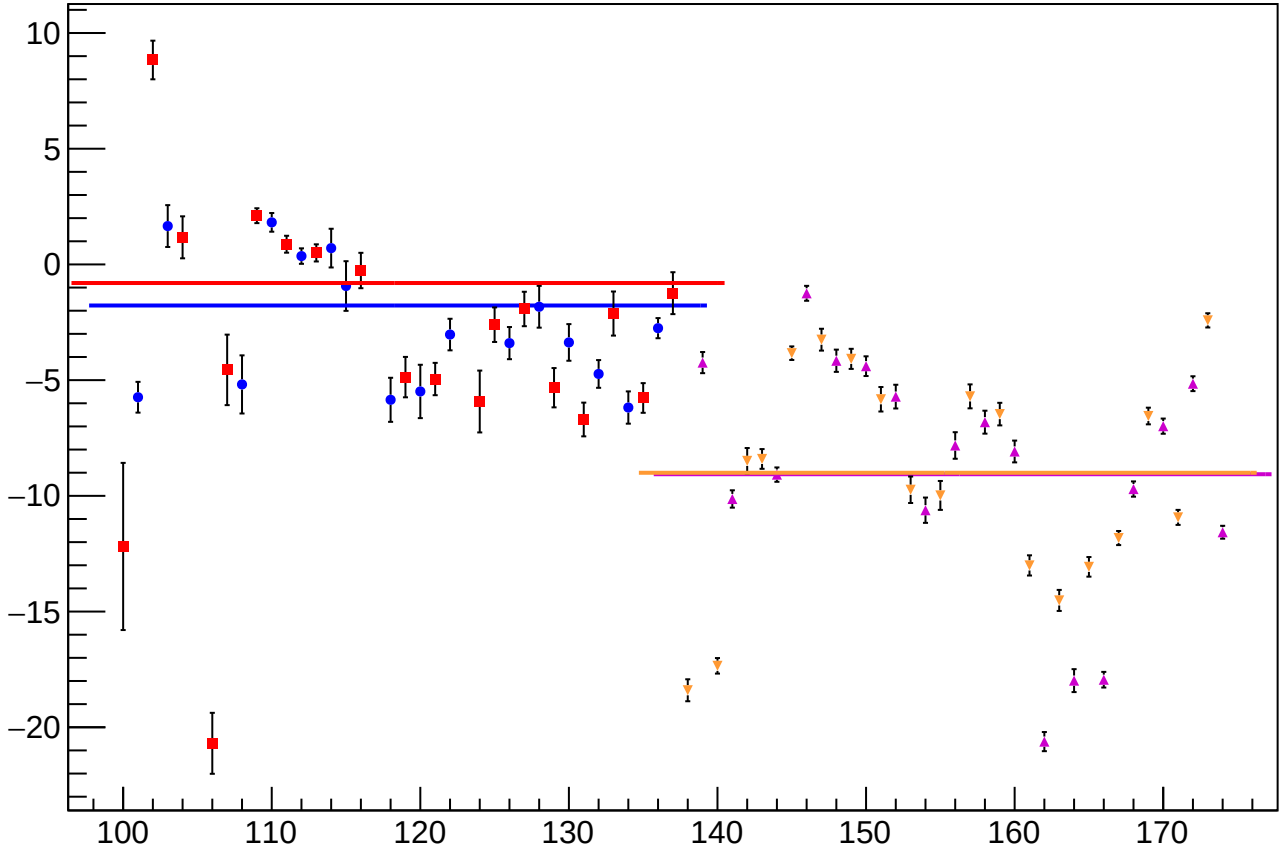
Left In: -0.135+/-0.001 χ^2/NDF:3563.8/17

+ sign -0.132+/-0.001 χ^2/NDF: 3163.3/34

All: -0.130+/-0.001 χ^2/NDF: 9477.4/71

- 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: -9.003+/-0.093 χ^2/NDF:2657.7/18

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

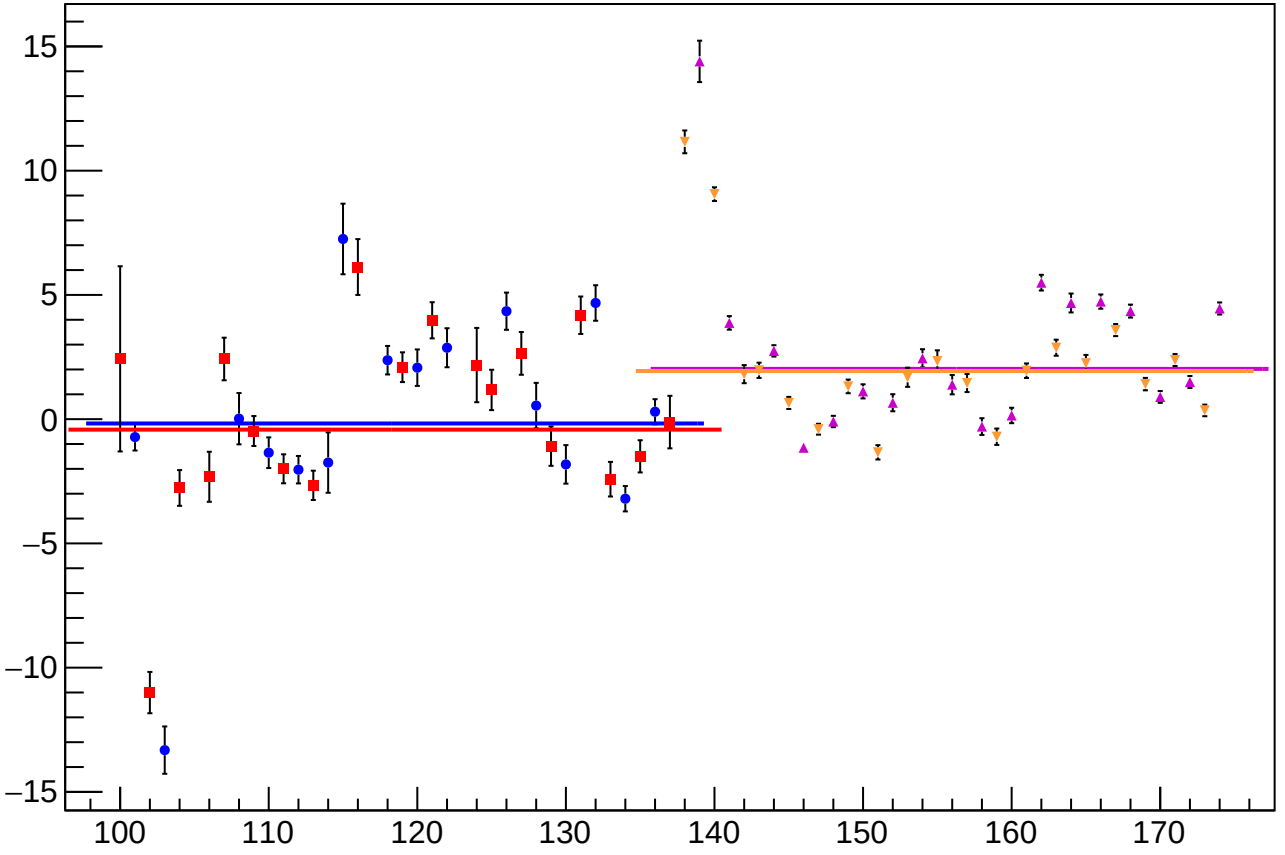
Left In: -9.066+/-0.091 χ^2/NDF:3078.1/17

+ sign -7.118+/-0.080 χ^2/NDF: 4519.5/34

All: -6.953+/-0.056 χ^2/NDF: 10591.4/71

- 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: 1.939+/-0.066 χ^2/NDF:1518.8/18

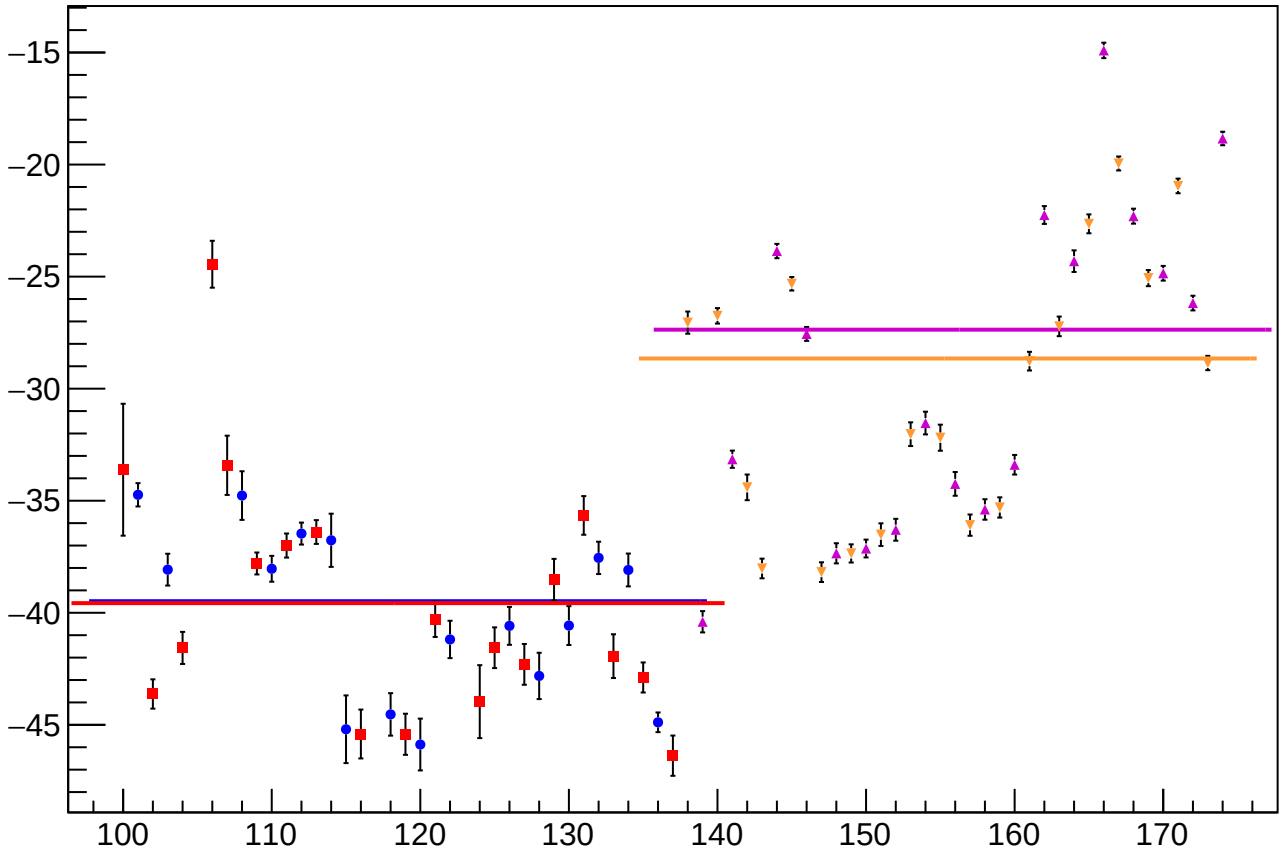
Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 2.023+/-0.066 χ^2/NDF:1207.6/17

+ sign 1.667+/-0.062 χ^2/NDF: 2051.9/34

All: 1.696+/-0.044 χ^2/NDF: 3793.3/71

- sign 1.725+/-0.062 χ^2/NDF: 1741.0/36



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -28.653+/-0.093 χ^2/NDF:4079.7/18

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

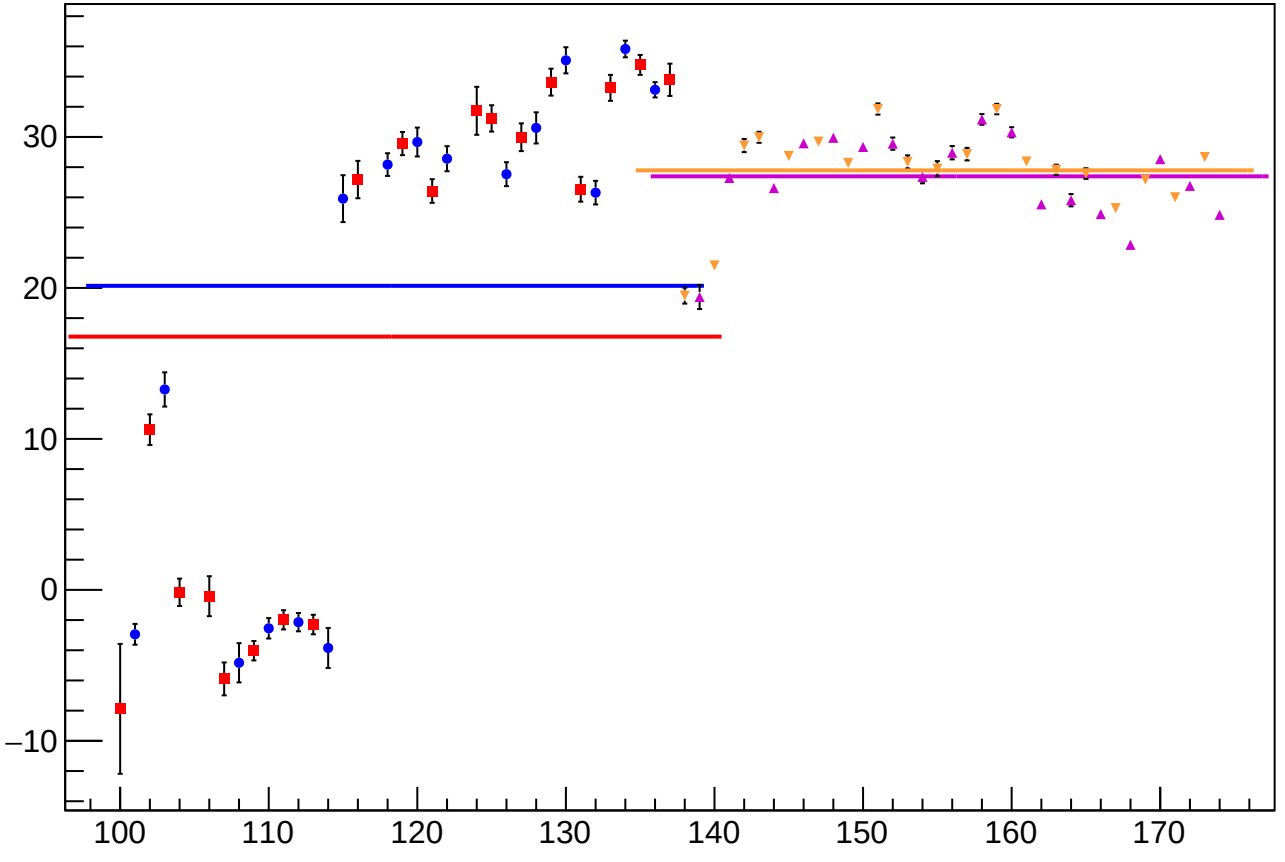
Left In: -27.367+/-0.091 χ^2/NDF:5872.8/17

+ sign -30.916+/-0.082 χ^2/NDF: 7346.0/34

All: -30.356+/-0.058 χ^2/NDF: 17498.0/71

- 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: 27.787+/-0.076 χ^2/NDF:1130.2/18

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

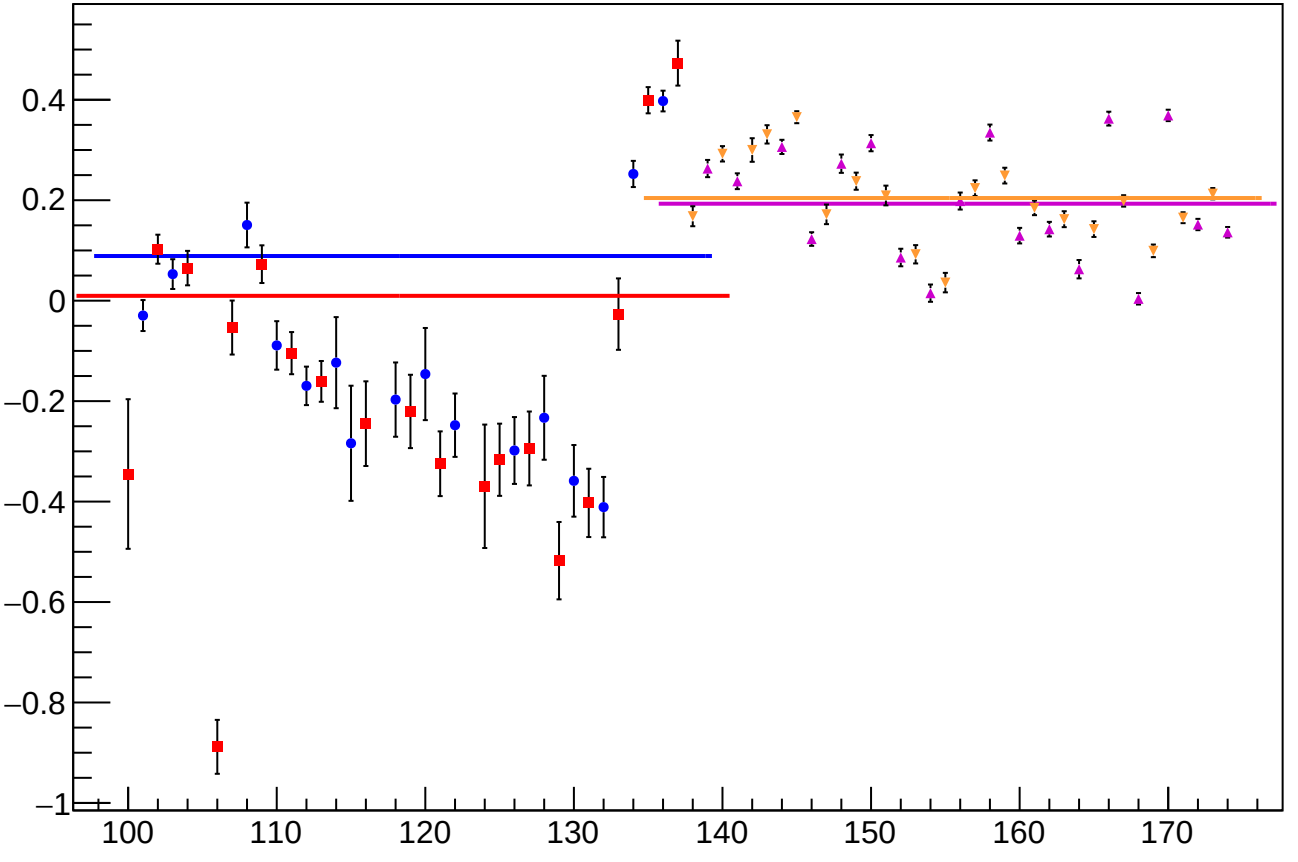
Left In: 27.391+/-0.075 χ^2/NDF:981.2/17

\+ sign 26.776+/-0.071 χ^2/NDF: 9153.3/34

All: 26.421+/-0.050 χ^2/NDF: 19397.5/71

\- sign 26.068+/-0.070 χ^2/NDF: 10194.0/36

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.204+/-0.003 χ^2/NDF:520.6/18

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

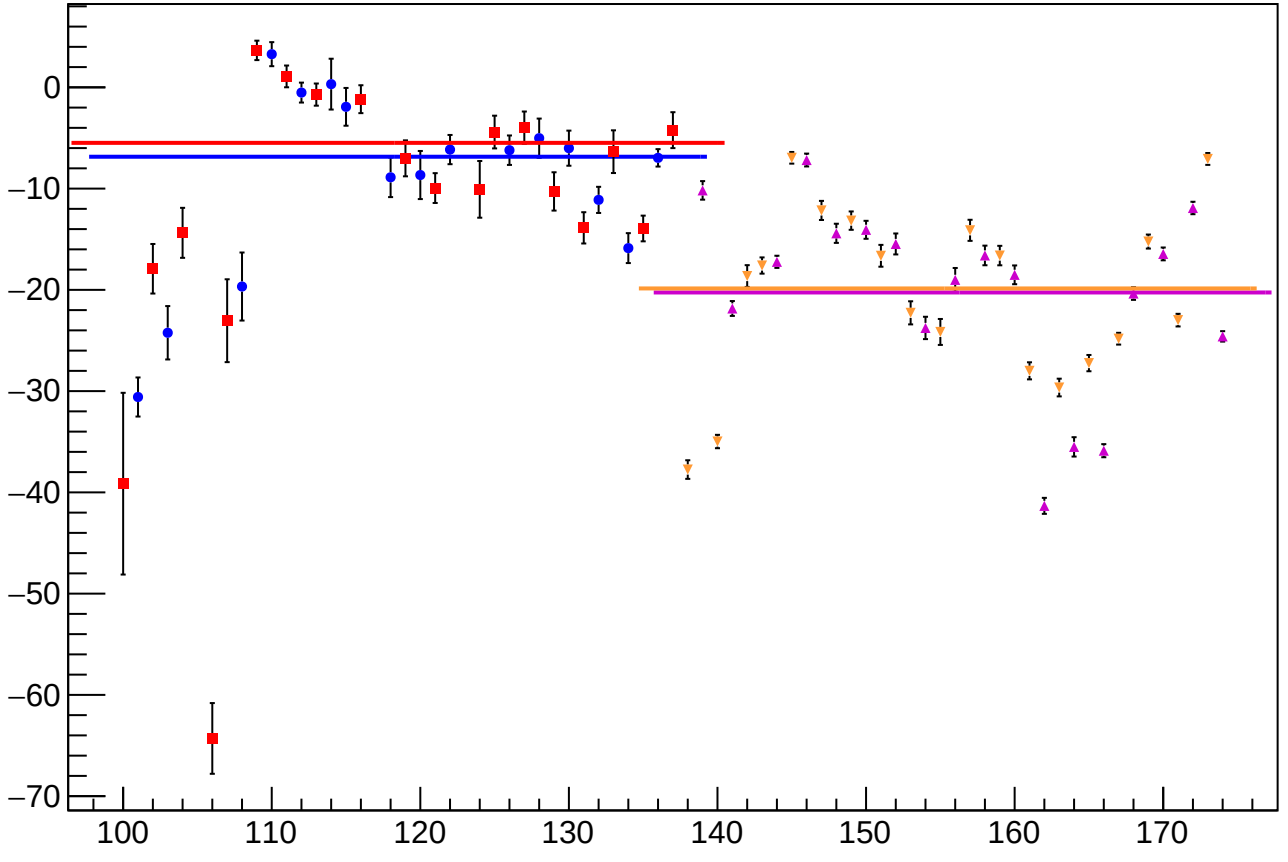
Left In: 0.193+/-0.003 χ^2/NDF:1202.1/17

+ sign 0.193+/-0.003 χ^2/NDF: 1195.3/34

All: 0.185+/-0.002 χ^2/NDF: 3497.3/71

- 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: -19.860+/-0.182 χ^2/NDF:2521.5/18

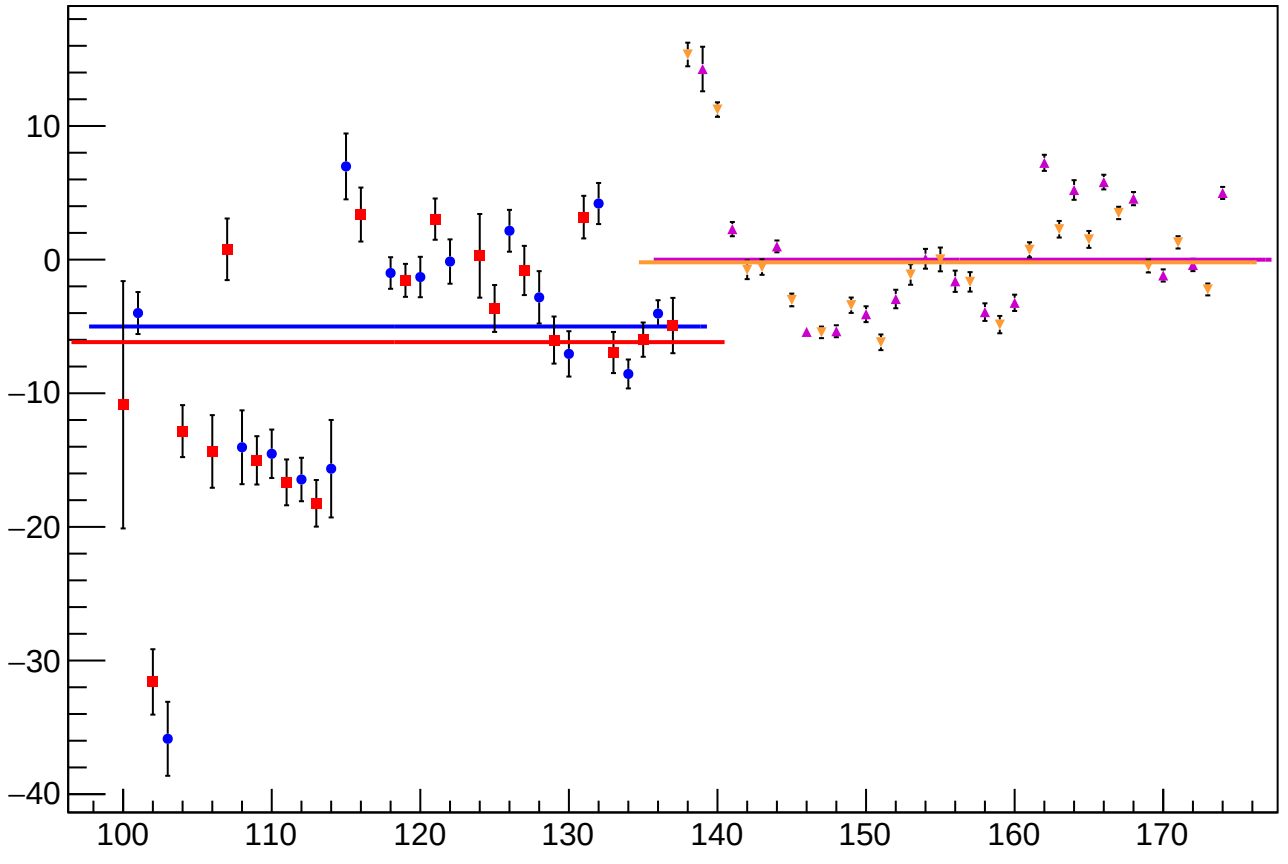
Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -20.258+/-0.177 χ^2/NDF:2553.0/17

+ sign -17.392+/-0.164 χ^2/NDF: 3883.3/34

All: -17.445+/-0.114 χ^2/NDF: 8346.8/71

- sign -17.496+/-0.160 χ^2/NDF: 4463.3/36



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.200+/-0.130 χ^2/NDF:1245.3/18

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

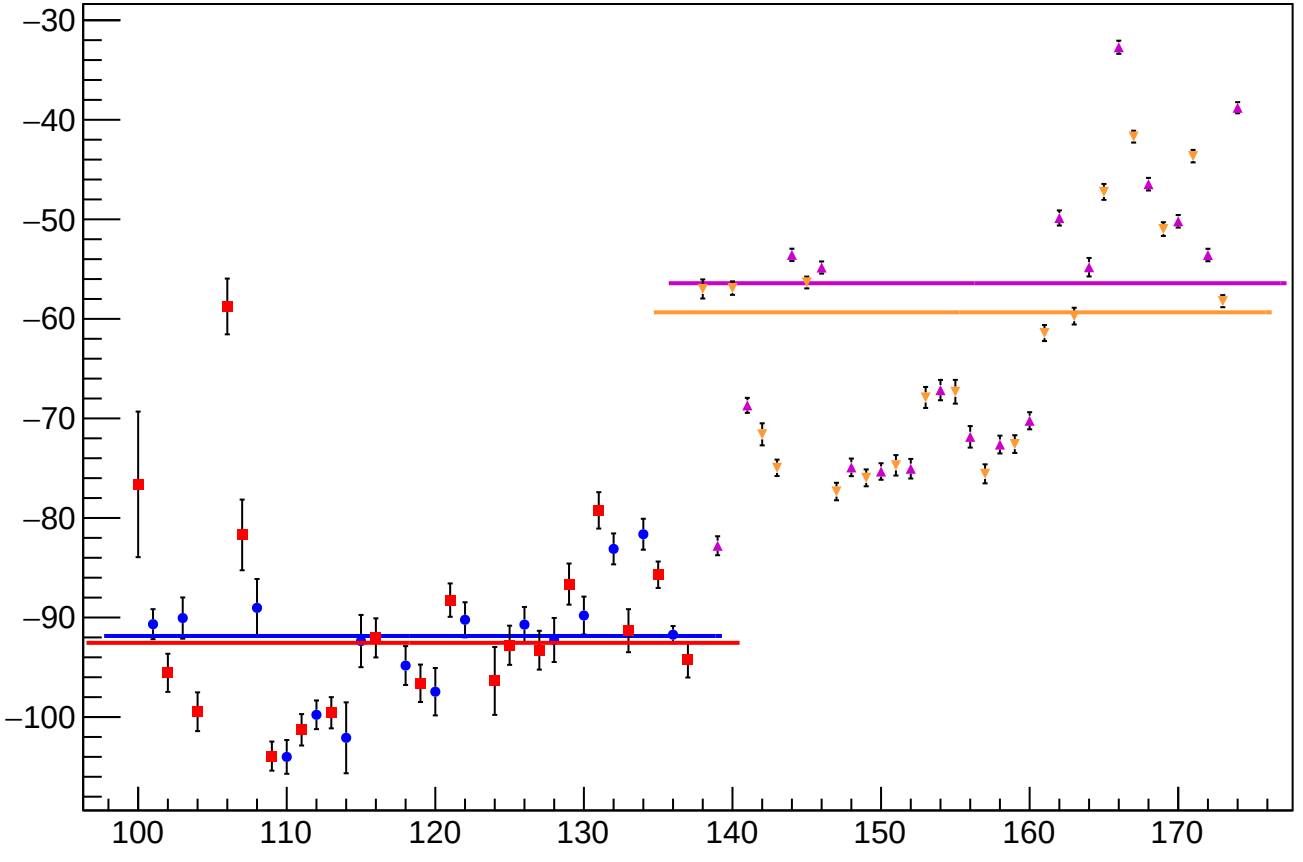
Left In: -0.004+/-0.128 χ^2/NDF:1102.0/17

+ sign -0.667+/-0.123 χ^2/NDF: 1720.4/34

All: -0.602+/-0.087 χ^2/NDF: 3392.3/71

- 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: -59.341+/-0.181 χ^2/NDF:4060.6/18

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

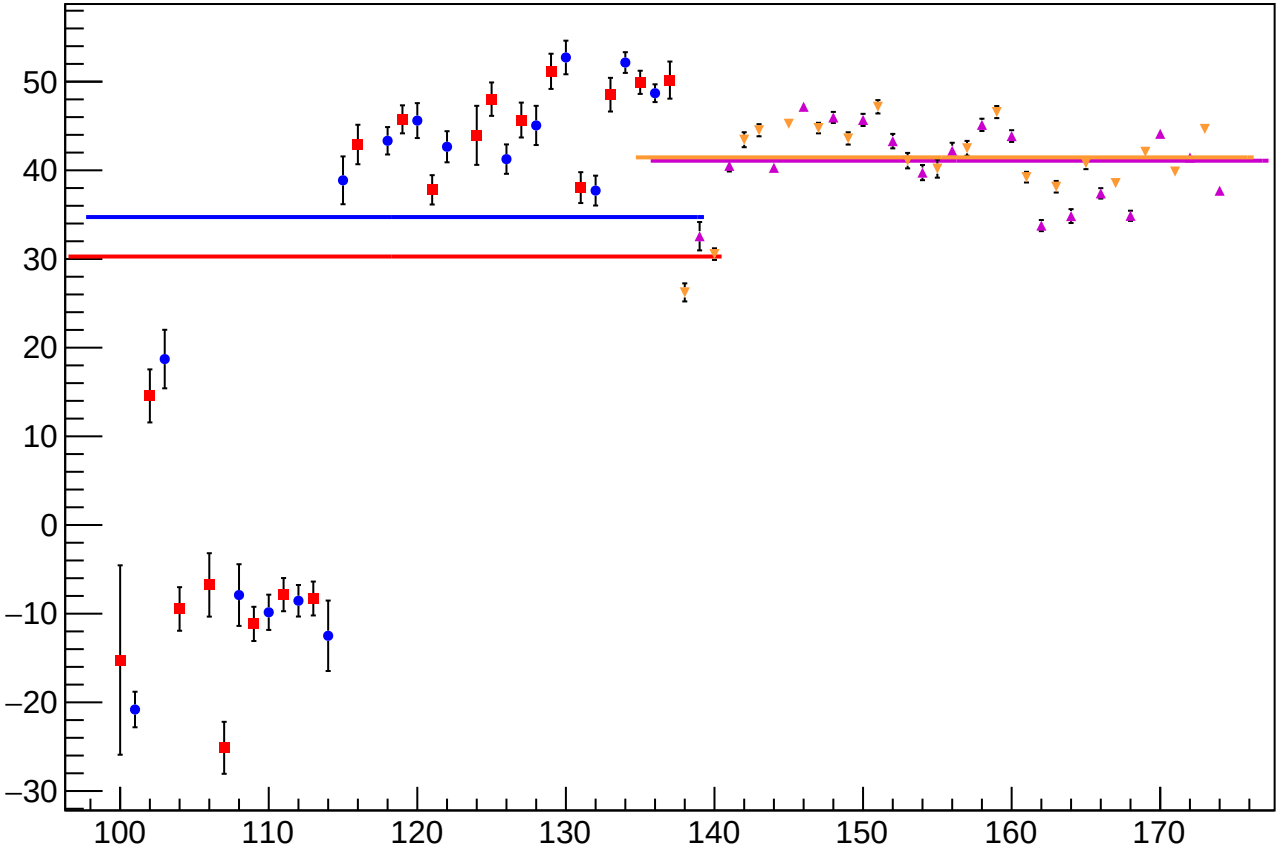
Left In: -56.417+/-0.176 χ^2/NDF:6002.0/17

+ sign -64.336+/-0.166 χ^2/NDF: 9214.4/34

All: -62.854+/-0.117 χ^2/NDF: 21588.2/71

- 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: 41.459+/-0.148 χ^2/NDF:860.5/18

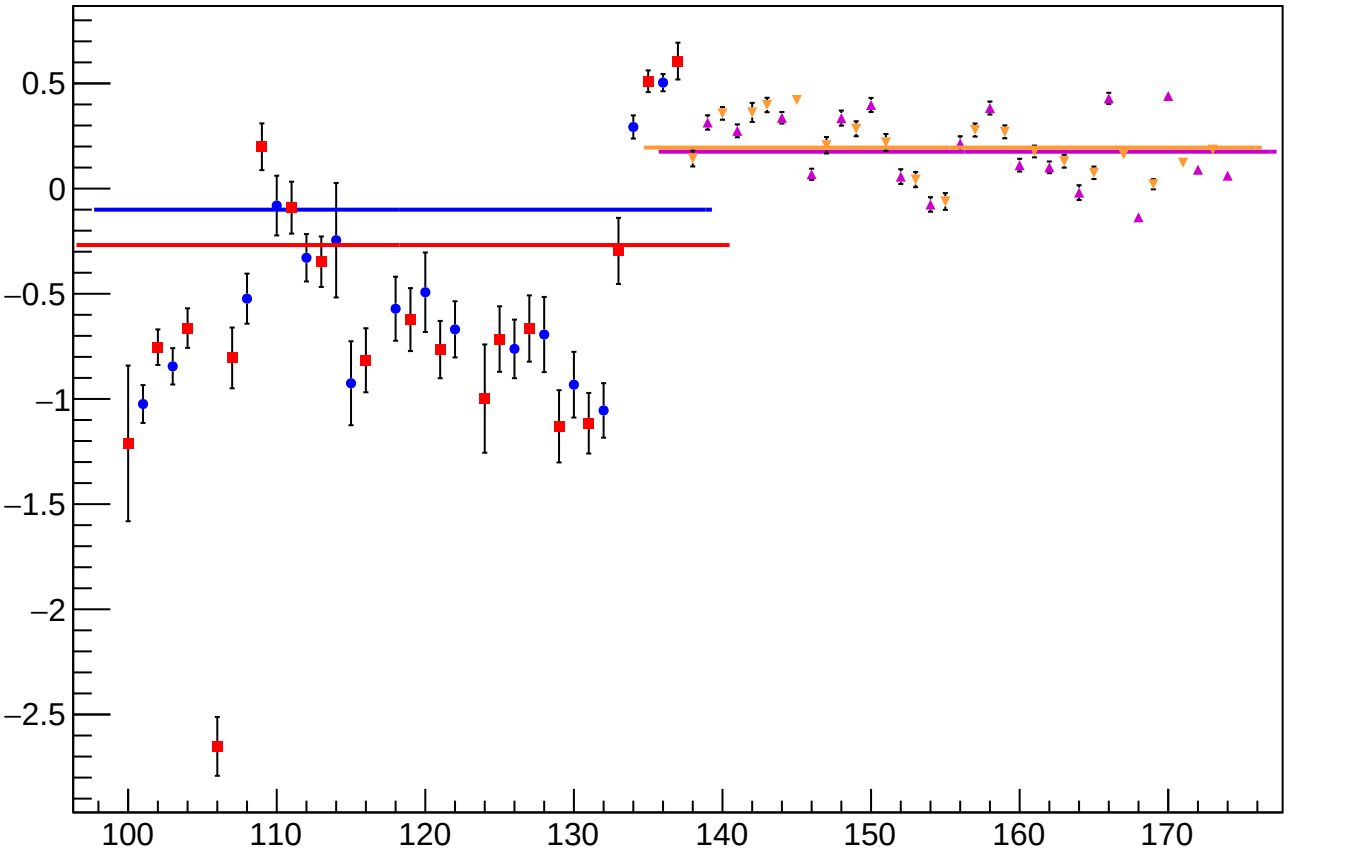
Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 41.084+/-0.146 χ^2/NDF:812.7/17

+ sign 40.780+/-0.140 χ^2/NDF: 3878.1/34

All: 40.448+/-0.099 χ^2/NDF: 8100.4/71

- sign 40.120+/-0.140 χ^2/NDF: 4211.1/36



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.195+/-0.007 χ^2/NDF:337.8/18

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

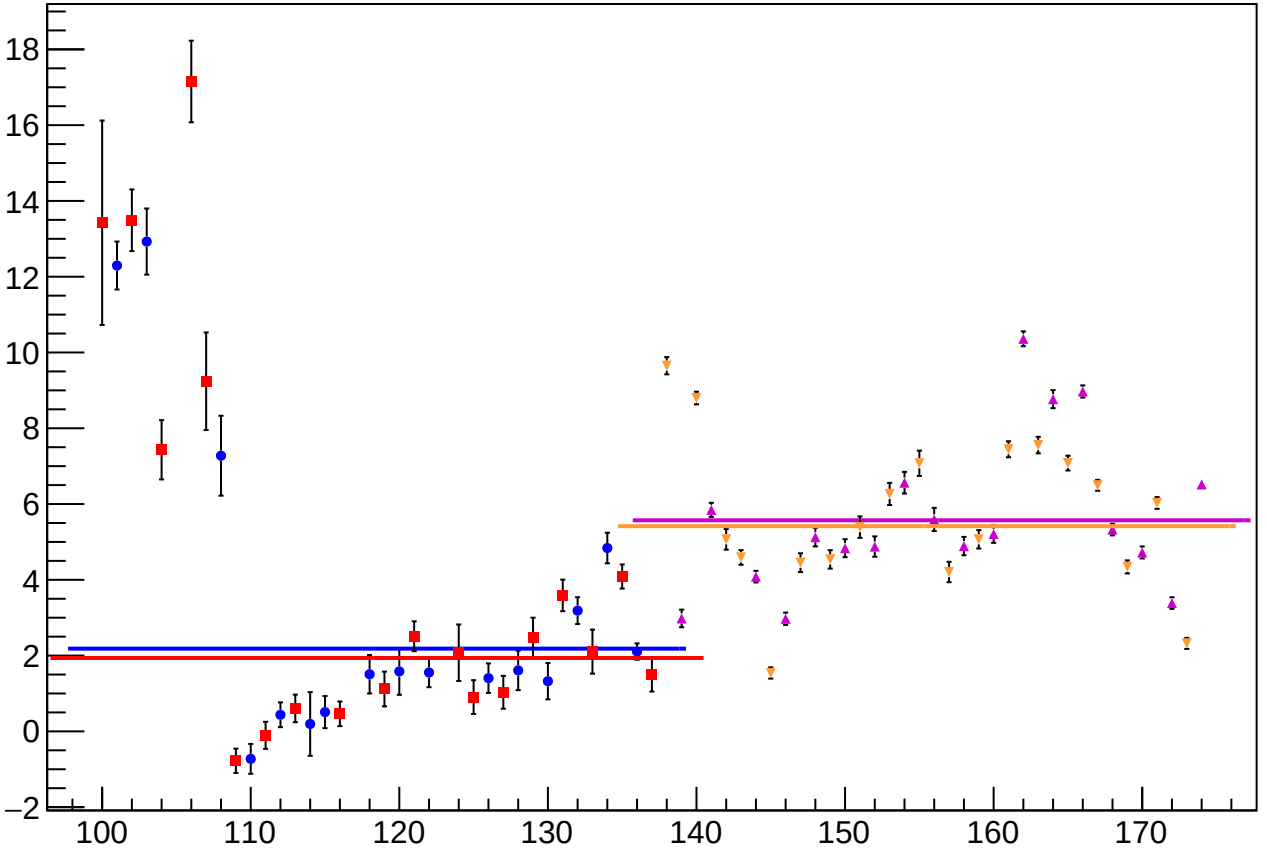
Left In: 0.175+/-0.007 χ^2/NDF:786.6/17

+ sign 0.174+/-0.006 χ^2/NDF: 1109.5/34

All: 0.161+/-0.005 χ^2/NDF: 2992.8/71

- 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: 5.416+/-0.046 χ^2/NDF:2360.1/18

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

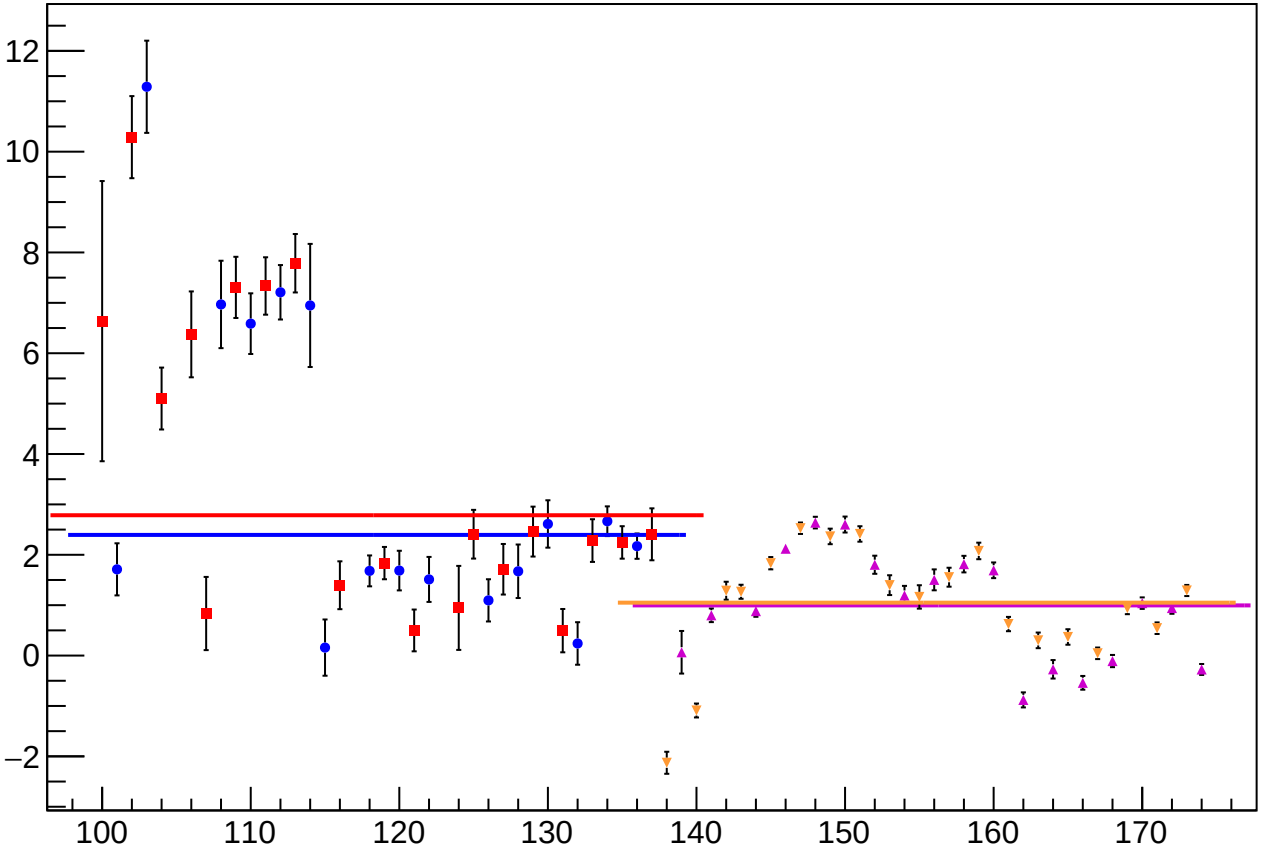
Left In: 5.571+/-0.044 χ^2/NDF:2036.8/17

+ sign 4.900+/-0.042 χ^2/NDF: 3755.9/34

All: 4.963+/-0.029 χ^2/NDF: 7522.6/71

- 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: 1.050+/-0.033 χ^2/NDF:1019.7/18

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

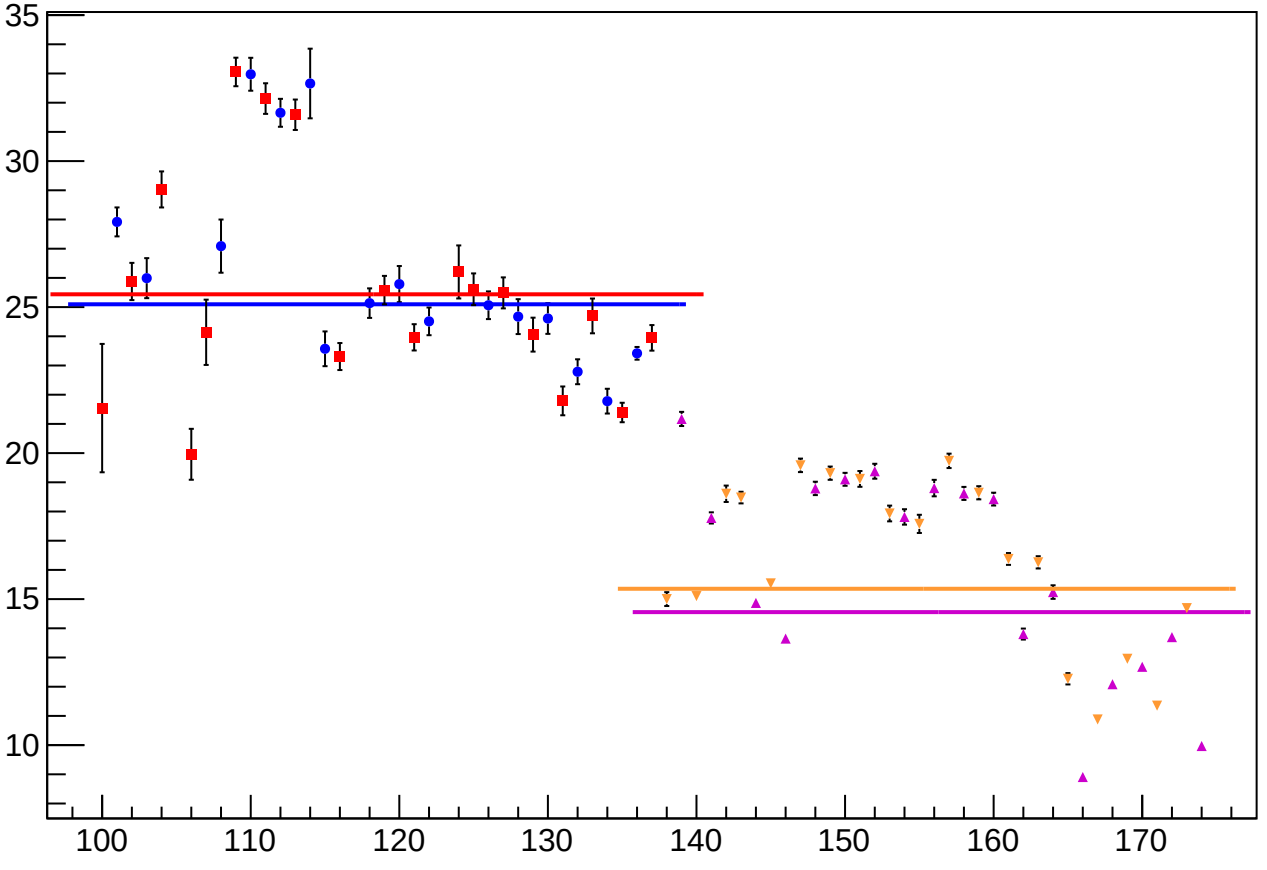
Left In: 0.996+/-0.032 χ^2/NDF:1078.0/17

+ sign 1.163+/-0.031 χ^2/NDF: 1494.6/34

All: 1.144+/-0.022 χ^2/NDF: 3205.4/71

- 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: 15.354+/-0.046 χ^2/NDF:3972.9/18

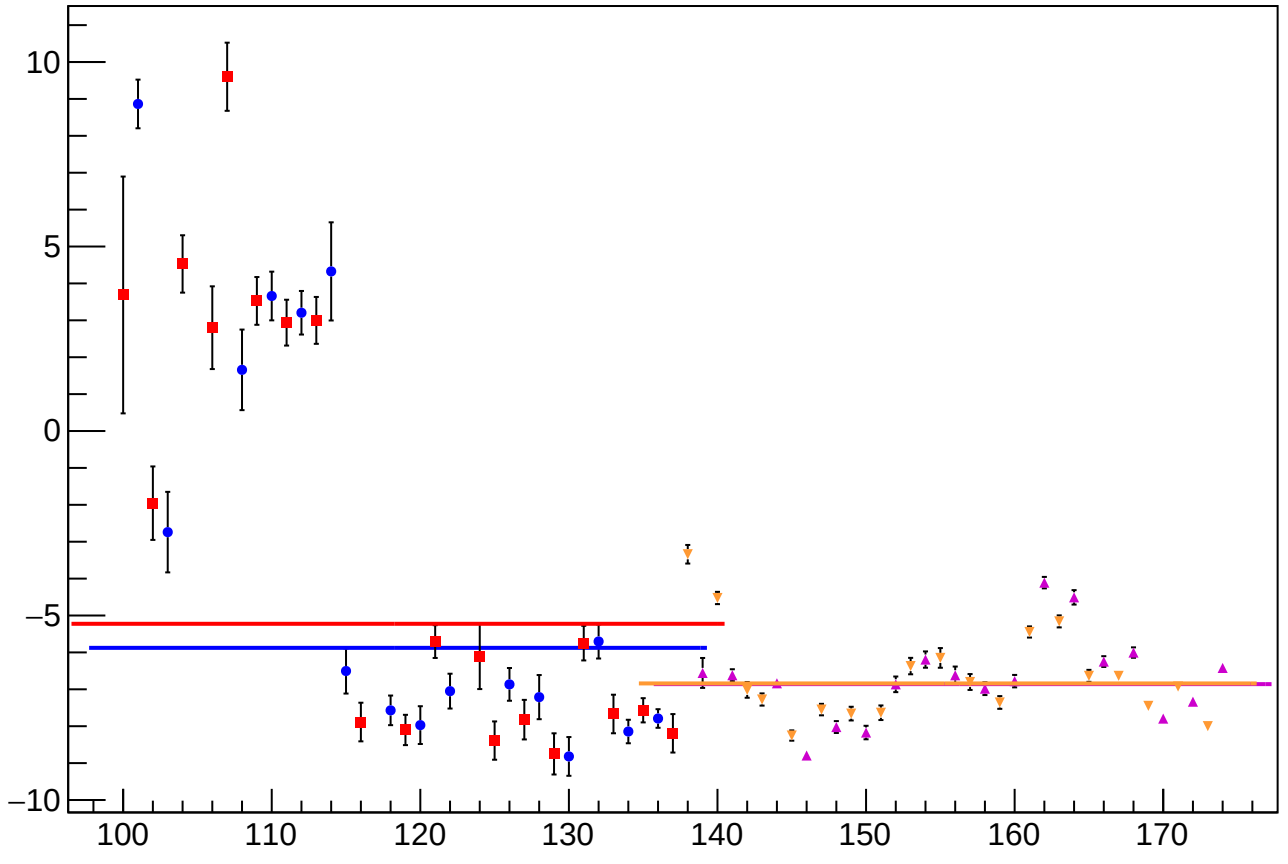
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 14.554+/-0.044 χ^2/NDF:6009.4/17

+ sign 16.626+/-0.042 χ^2/NDF: 10569.3/34

All: 16.198+/-0.030 χ^2/NDF: 24484.7/71

- 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: -6.841+/-0.037 χ^2/NDF:884.0/18

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

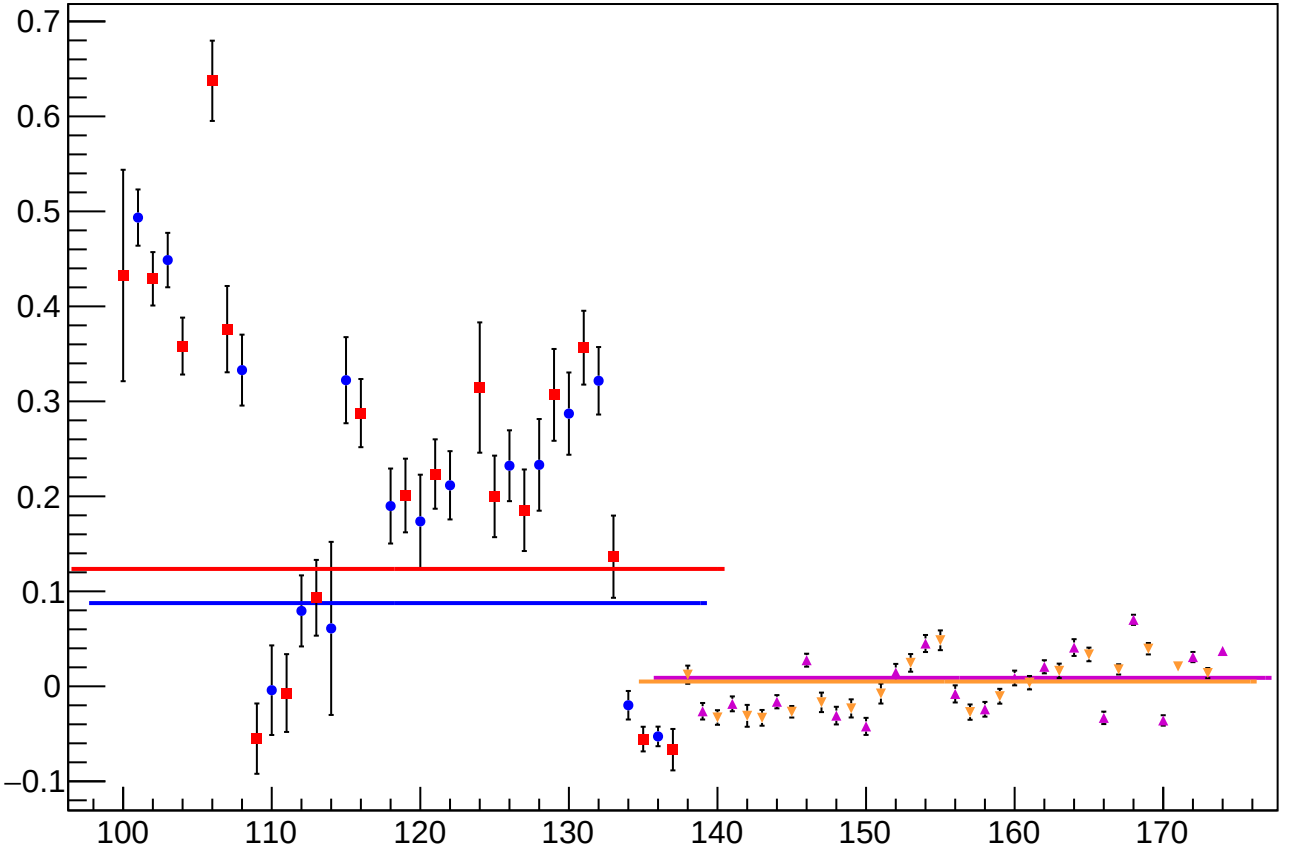
Left In: -6.860+/-0.037 χ^2/NDF:975.2/17

+ sign -6.756+/-0.036 χ^2/NDF: 2193.7/34

All: -6.747+/-0.025 χ^2/NDF: 4608.7/71

- 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: 0.005+/-0.002 χ^2/NDF:208.6/18

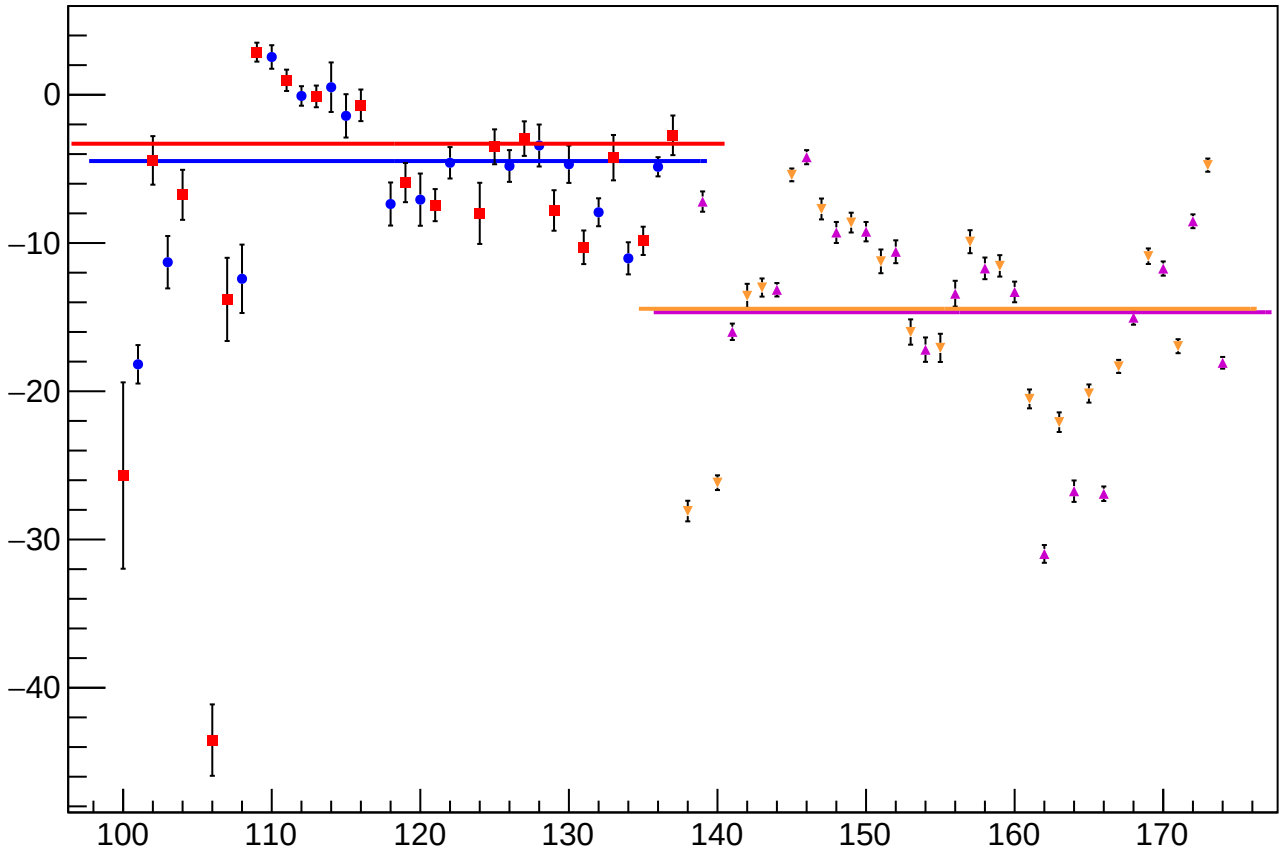
Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.009+/-0.002 χ^2/NDF:446.0/17

+ sign 0.010+/-0.002 χ^2/NDF: 1123.8/34

All: 0.012+/-0.001 χ^2/NDF: 2568.6/71

- 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: -14.436+/-0.137 χ^2/NDF:2568.7/18

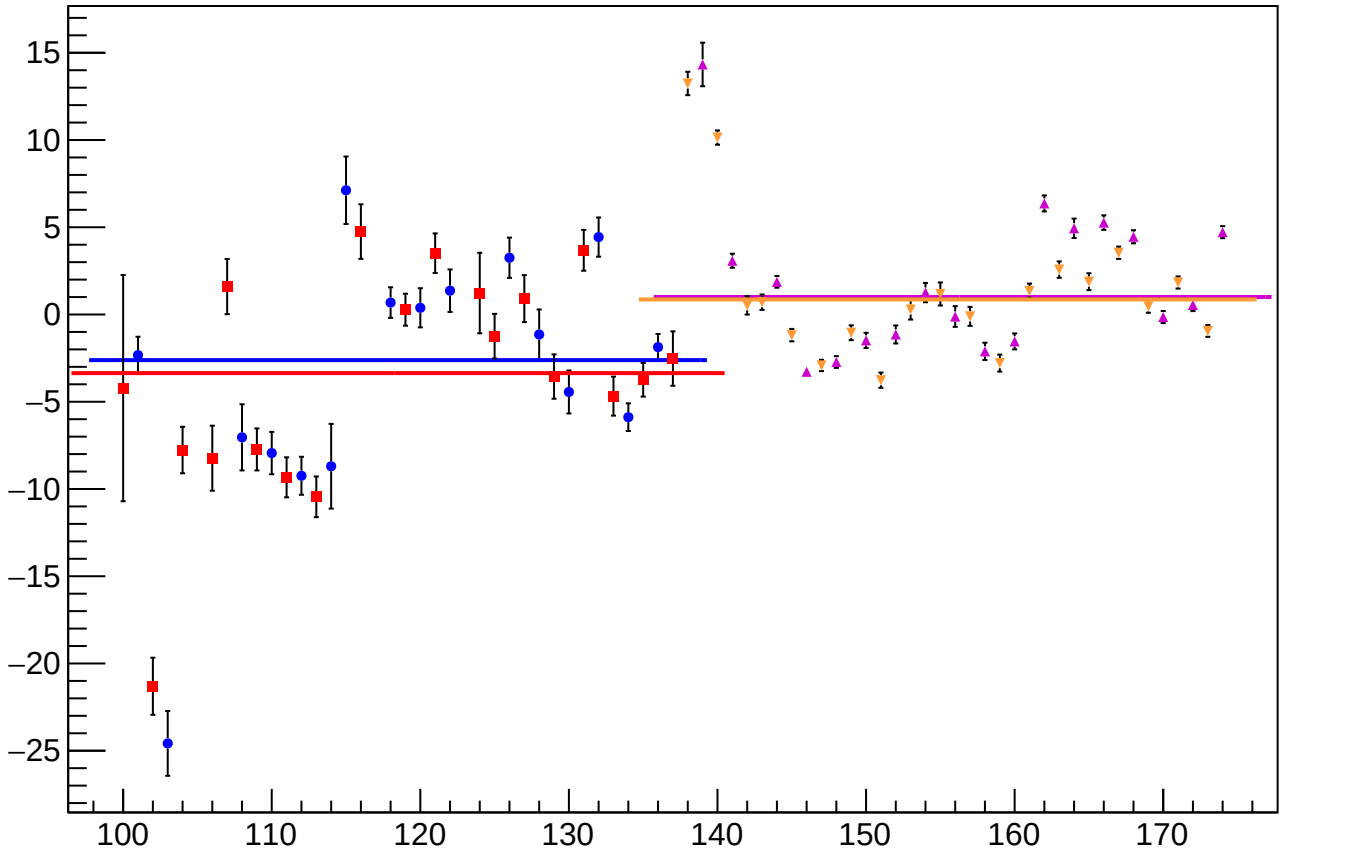
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -14.669+/-0.134 χ^2/NDF:2731.3/17

+ sign -12.375+/-0.122 χ^2/NDF: 3993.7/34

All: -12.341+/-0.085 χ^2/NDF: 8814.4/71

- 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: 0.862+/-0.098 χ^2/NDF:1332.8/18

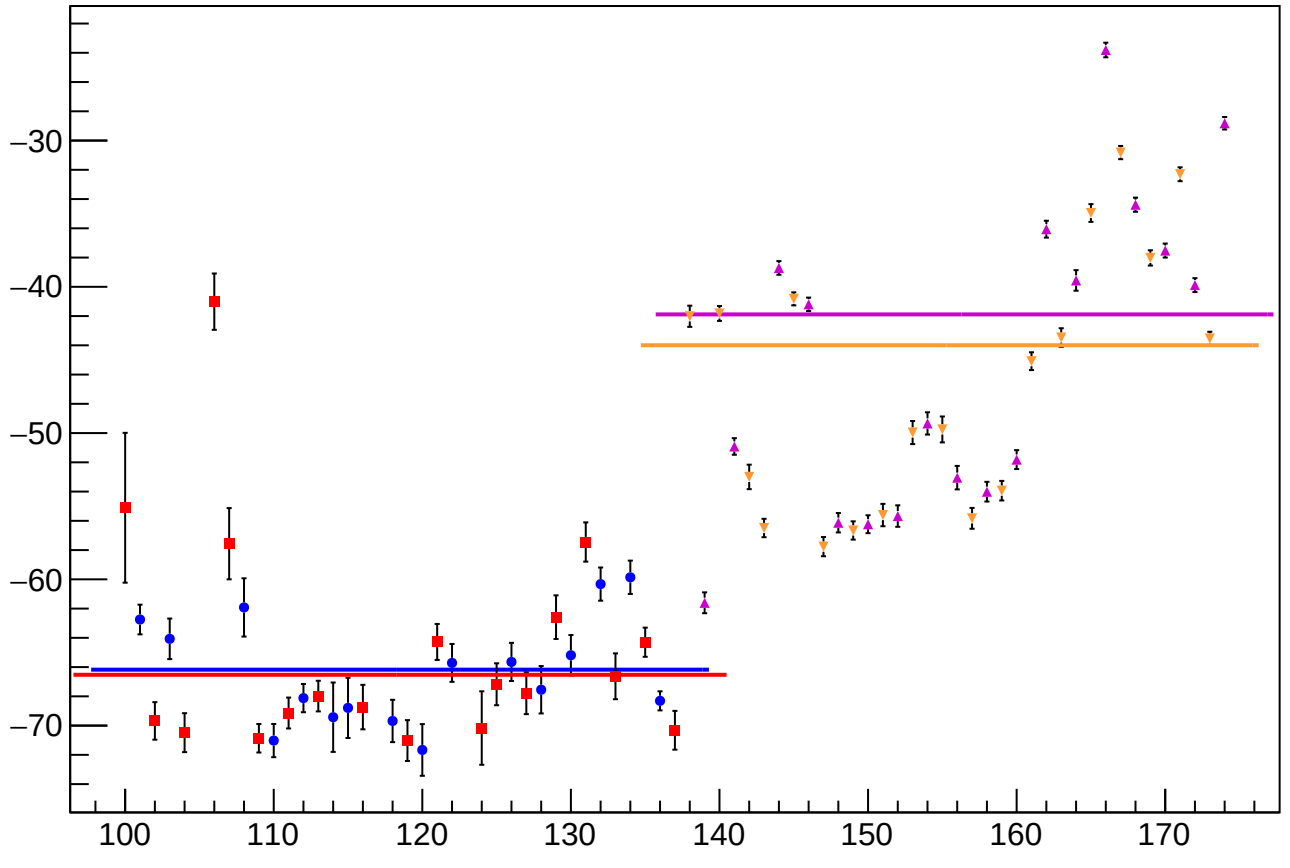
Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 1.002+/-0.097 χ^2/NDF:1127.2/17

+ sign 0.498+/-0.092 χ^2/NDF: 1817.2/34

All: 0.543+/-0.065 χ^2/NDF: 3497.4/71

- 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: -43.995+/-0.136 χ^2/NDF:4075.2/18

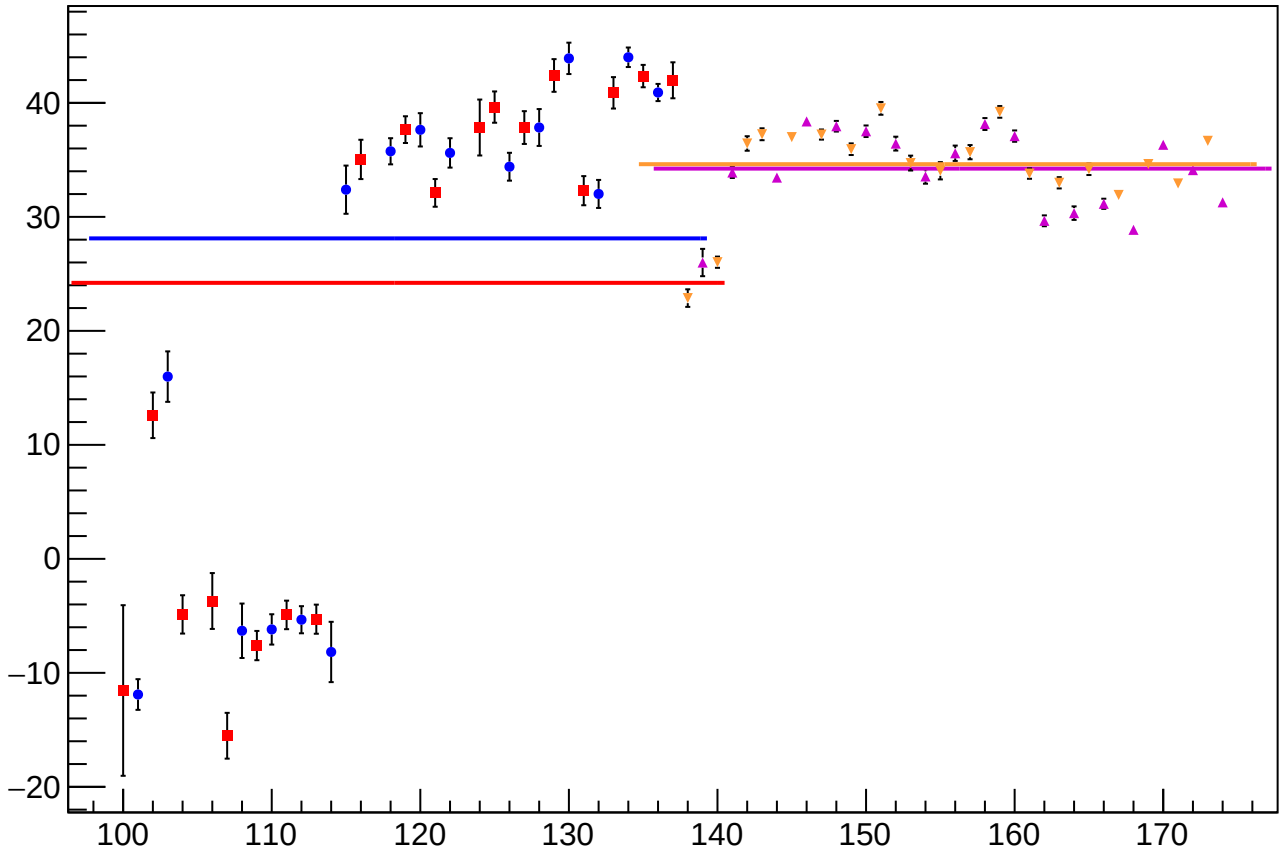
Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -41.886+/-0.133 χ^2/NDF:5970.5/17

+ sign -47.694+/-0.124 χ^2/NDF: 8631.1/34

All: -46.660+/-0.087 χ^2/NDF: 20325.2/71

- sign -45.660+/-0.122 χ^2/NDF: 11558.1/36



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.621+/-0.112 χ^2/NDF:919.5/18

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

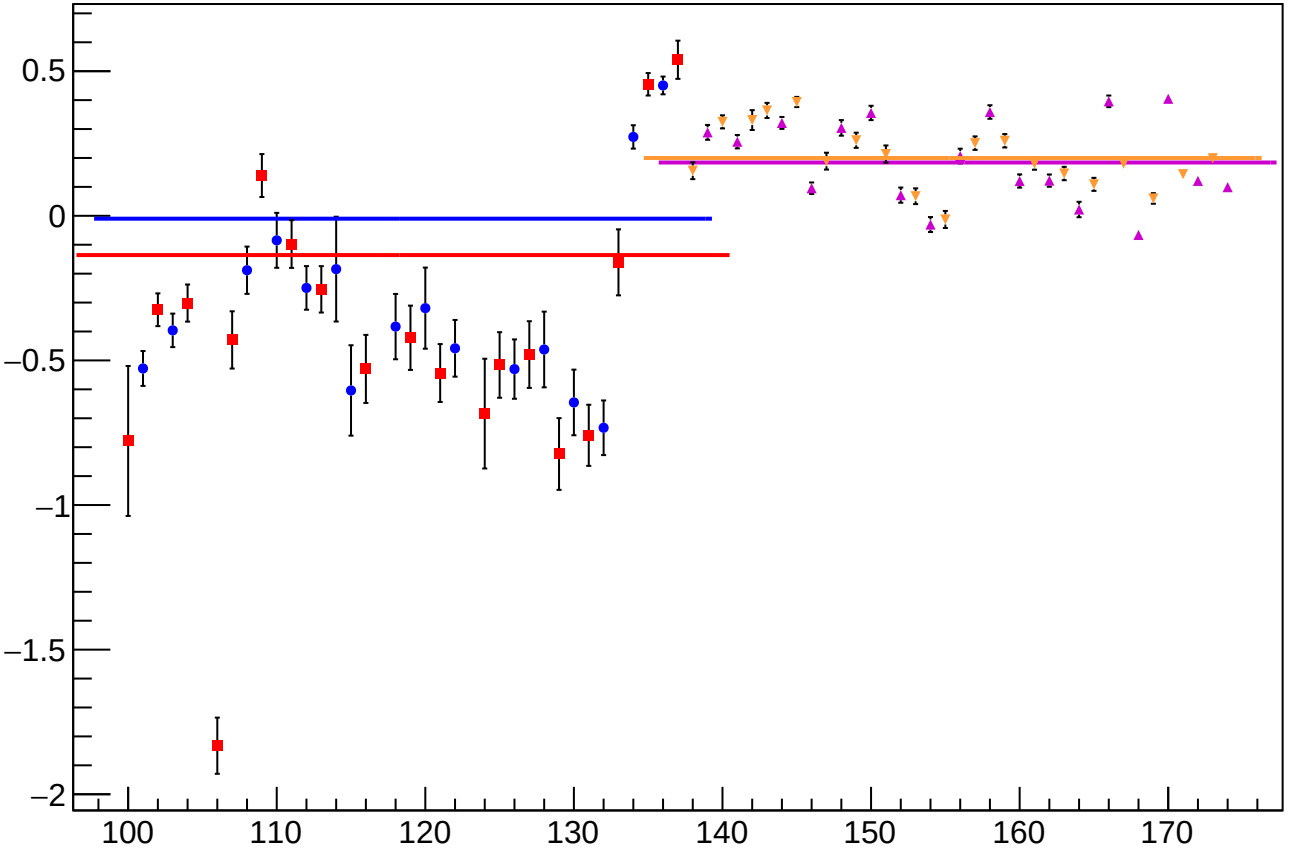
Left In: 34.233+/-0.110 χ^2/NDF:832.9/17

+ sign 33.915+/-0.105 χ^2/NDF: 5016.2/34

All: 33.583+/-0.074 χ^2/NDF: 10515.1/71

- sign 33.255+/-0.105 χ^2/NDF: 5479.2/36

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.200+/-0.005 χ^2/NDF:394.6/18

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

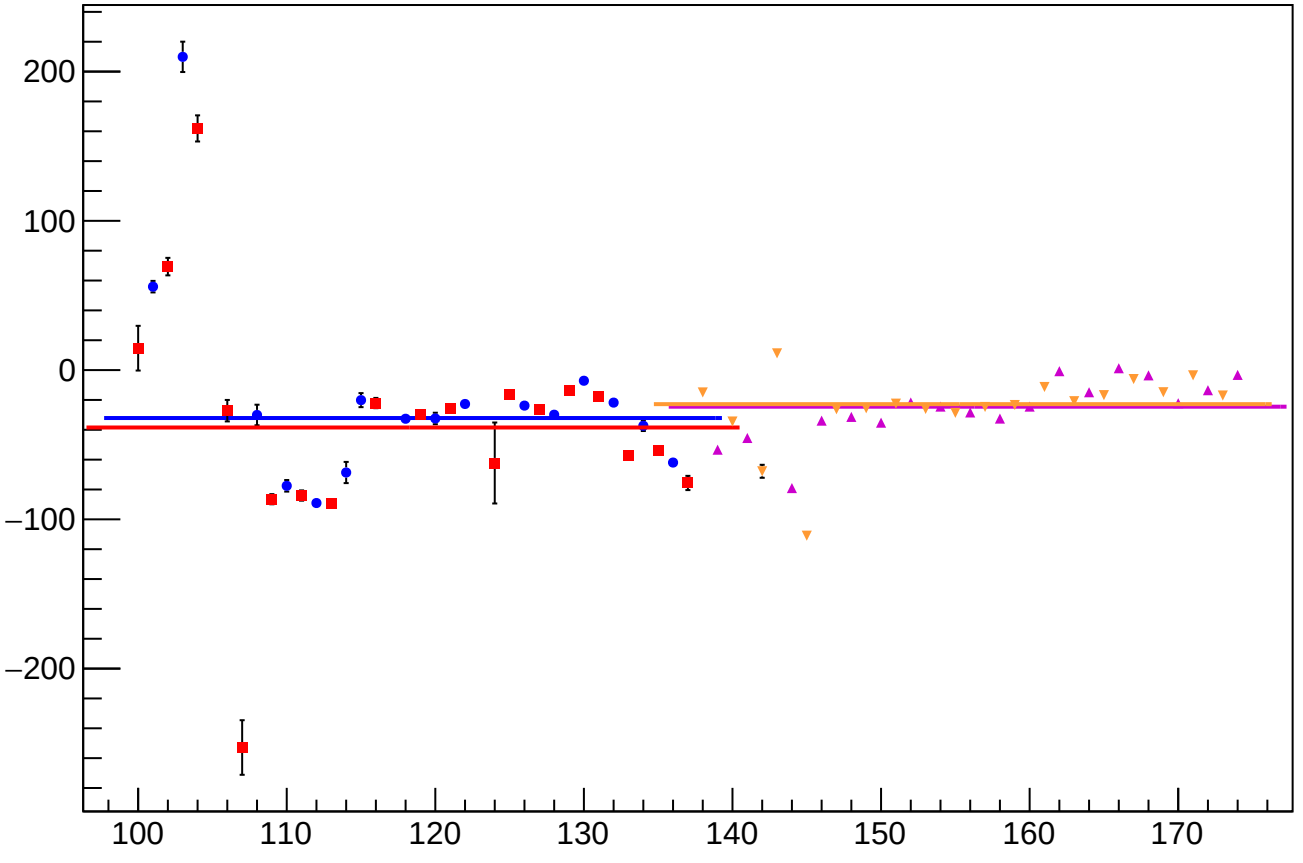
Left In: 0.184+/-0.005 χ^2/NDF:920.6/17

+ sign 0.183+/-0.005 χ^2/NDF: 1117.2/34

All: 0.173+/-0.003 χ^2/NDF: 3135.0/71

- 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: -22.822+/-0.651 χ^2/NDF:1145.0/18

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

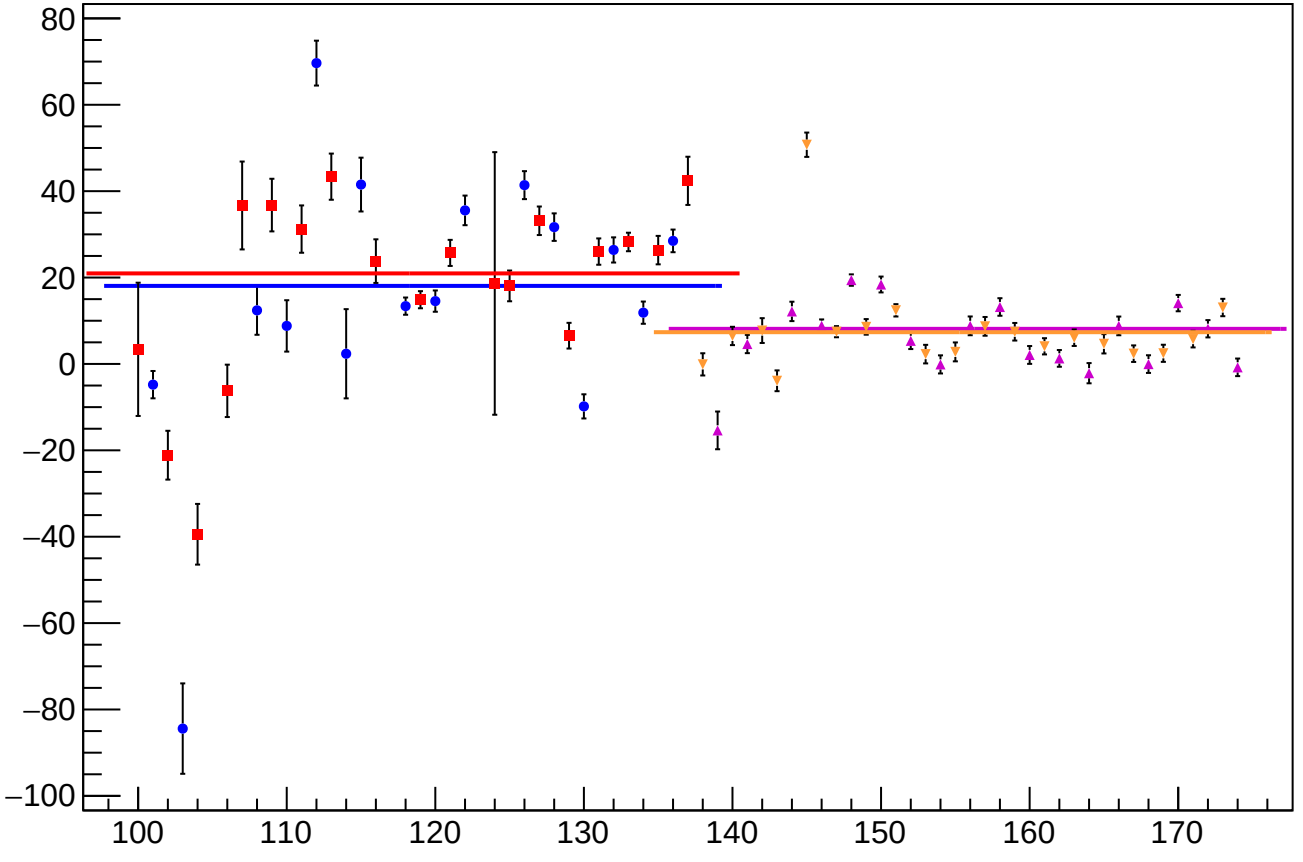
Left In: -24.523+/-0.645 χ^2/NDF:933.1/17

+ sign -26.296+/-0.515 χ^2/NDF: 3098.7/34

All: -27.895+/-0.365 χ^2/NDF: 6190.7/71

- 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: 7.351+/-0.453 χ^2/NDF:317.8/18

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

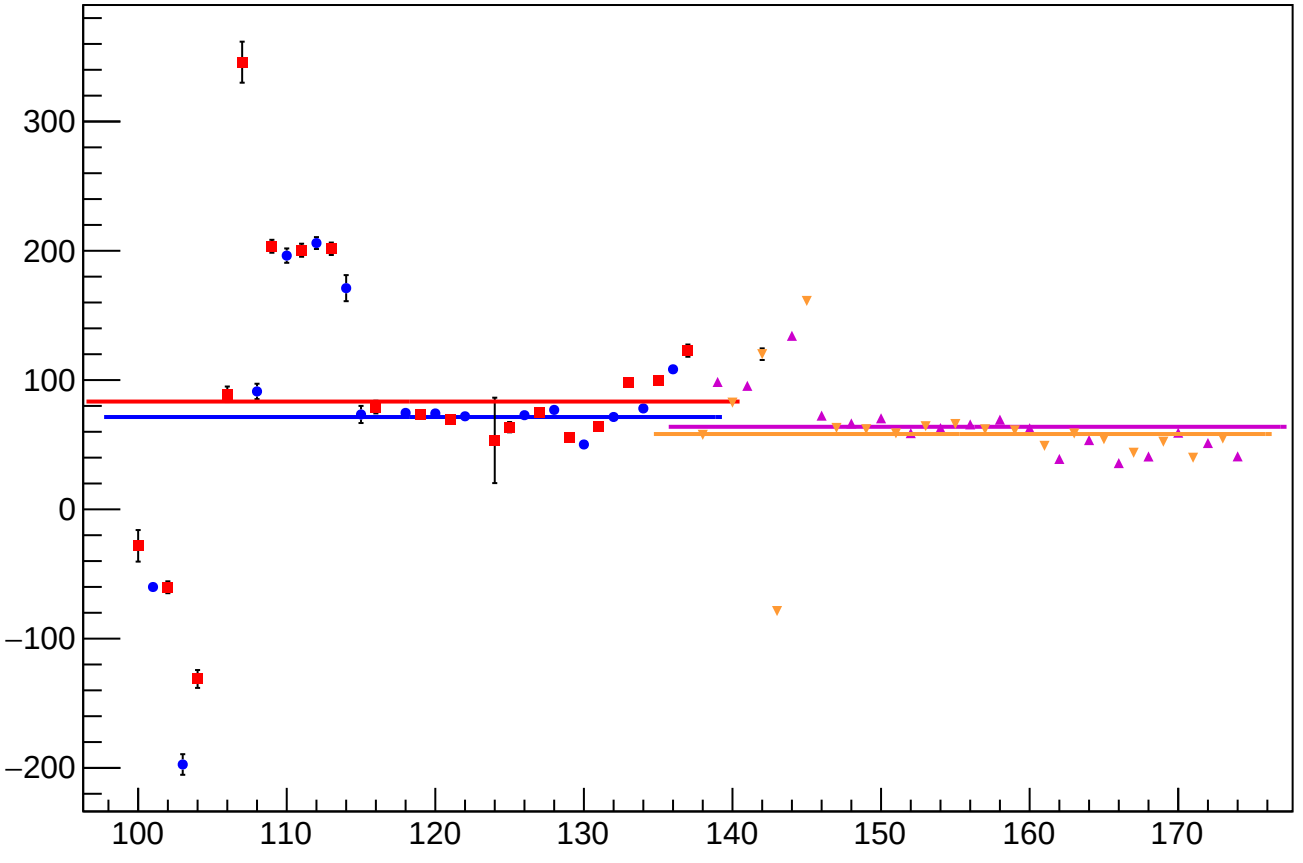
Left In: 8.124+/-0.462 χ^2/NDF:249.0/17

+ sign 9.845+/-0.397 χ^2/NDF: 947.6/34

All: 10.386+/-0.285 χ^2/NDF: 1633.2/71

- 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: 58.268+/-0.639 χ^2/NDF:3028.3/18

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

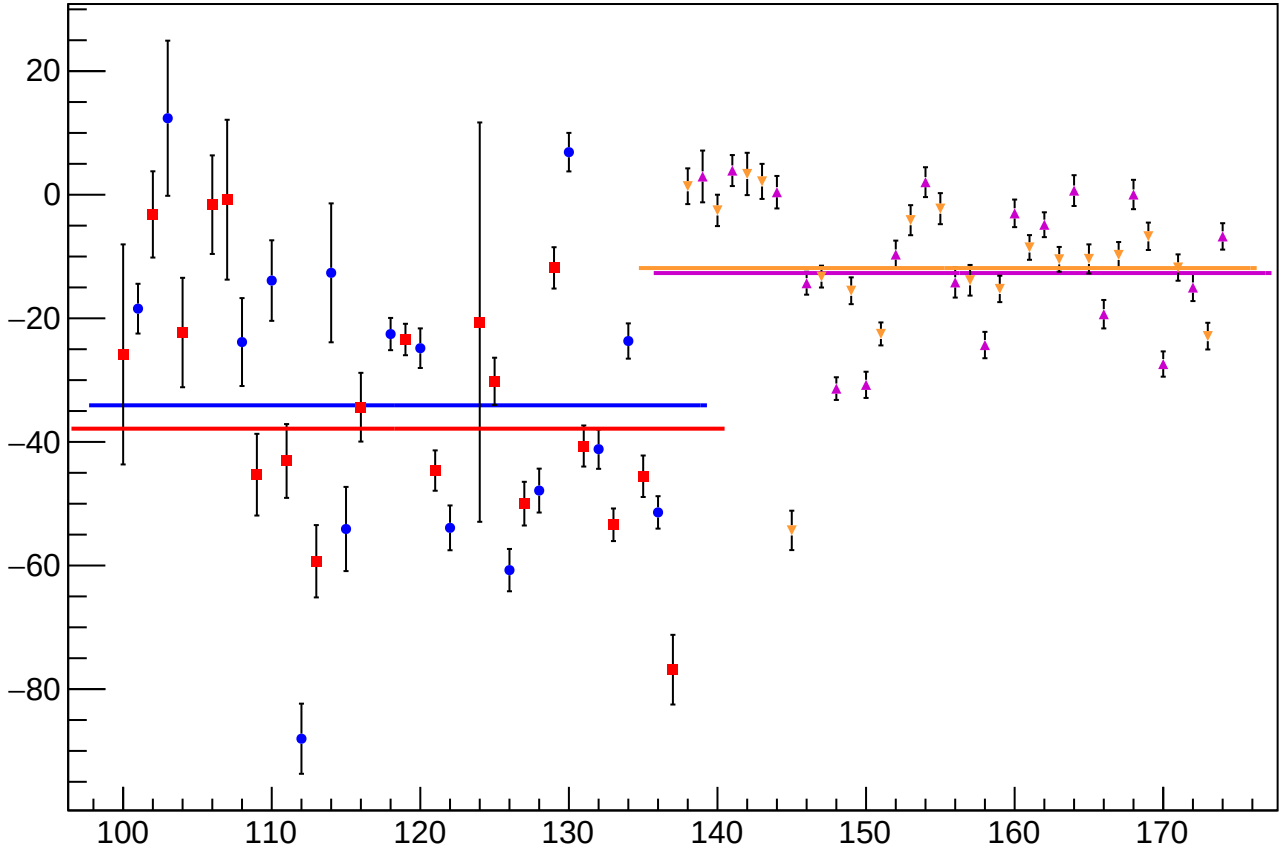
Left In: 63.855+/-0.634 χ^2/NDF:1259.2/17

+ sign 62.475+/-0.527 χ^2/NDF: 7983.6/34

All: 65.981+/-0.375 χ^2/NDF: 13907.8/71

- 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: -11.865+/-0.523 χ^2/NDF:356.5/18

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

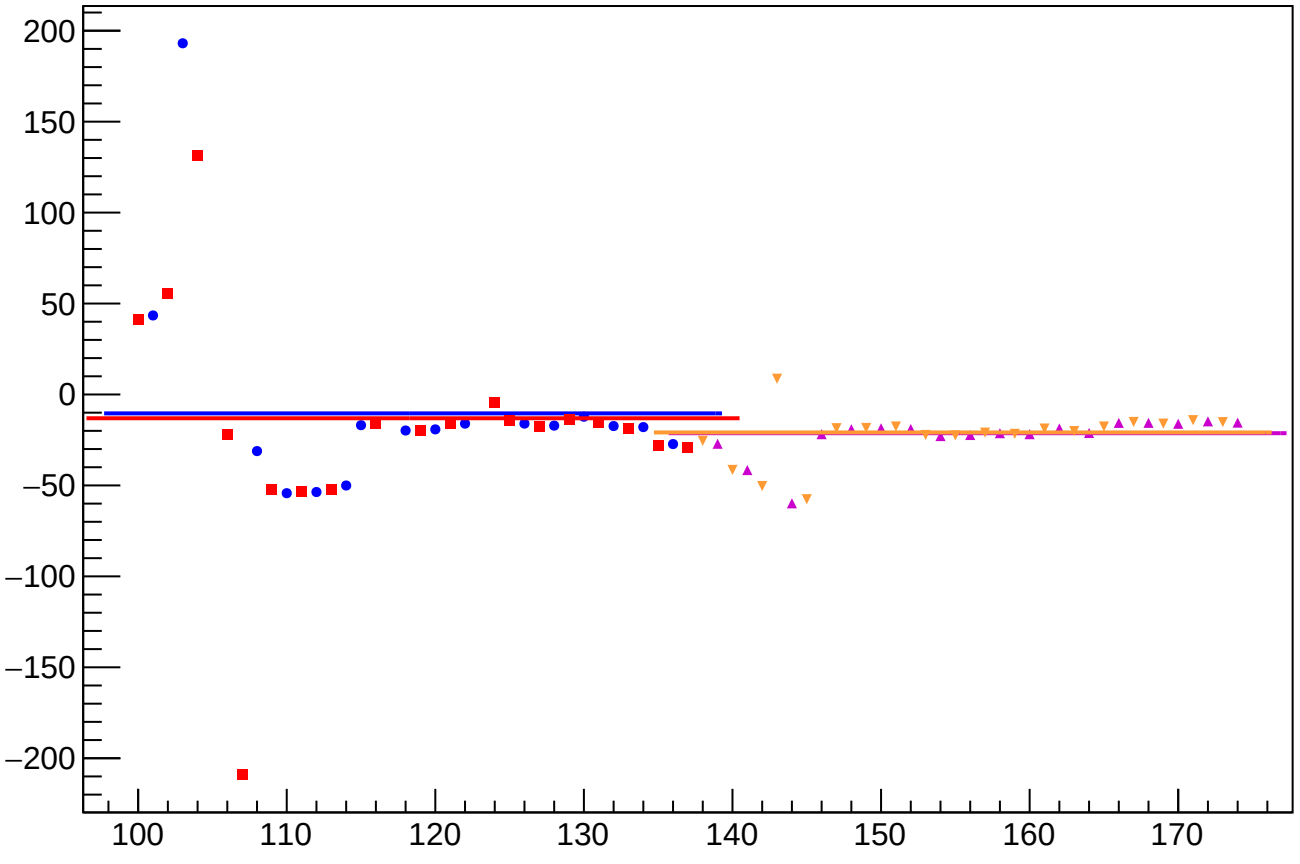
Left In: -12.674+/-0.530 χ^2/NDF:488.9/17

+ sign -17.090+/-0.457 χ^2/NDF: 1292.7/34

All: -17.654+/-0.327 χ^2/NDF: 2559.4/71

- 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: -20.863+/-0.024 χ^2/NDF:205488.7/18

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

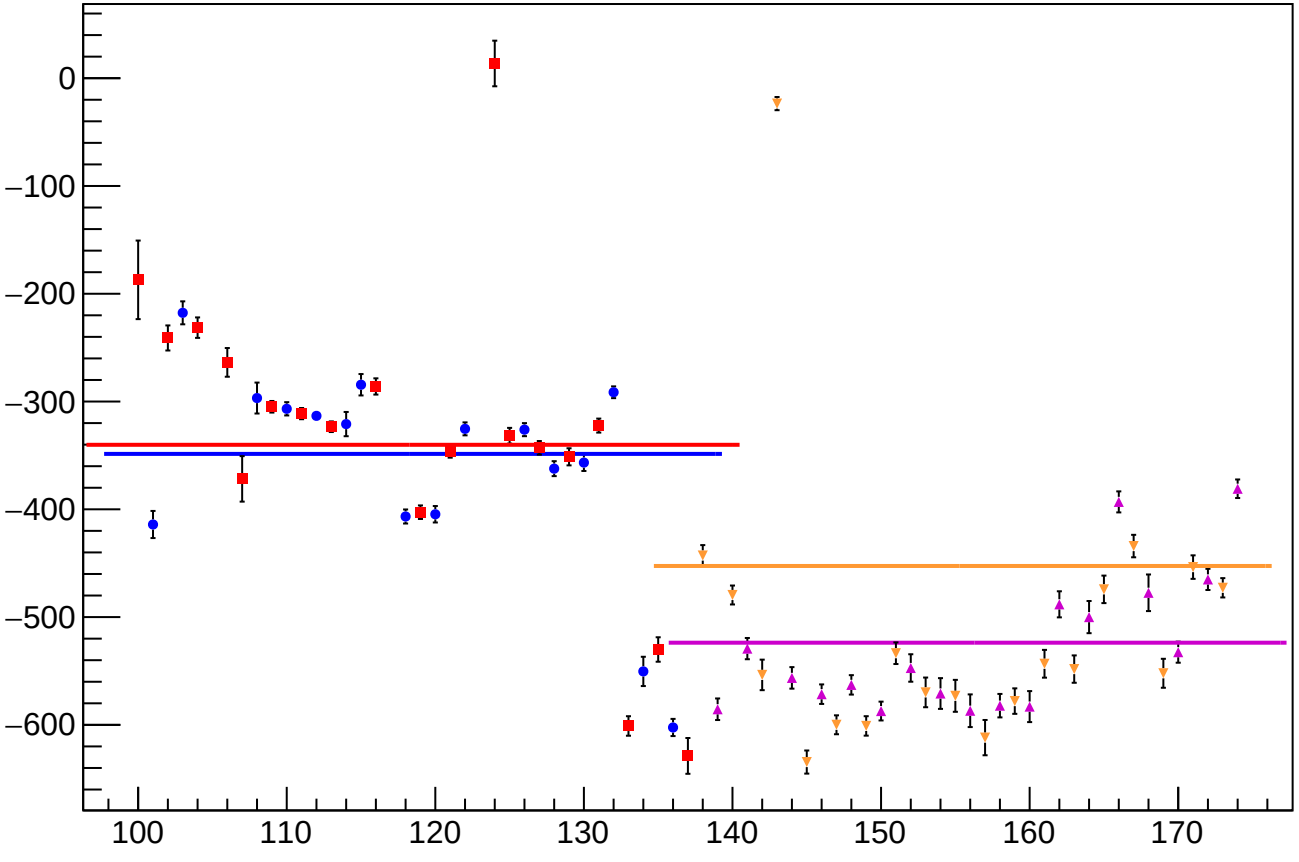
Left In: -21.290+/-0.023 χ^2/NDF:130812.9/17

+ sign -19.316+/-0.022 χ^2/NDF: 756721.6/34

All: -19.802+/-0.015 χ^2/NDF: 1353249.0/71

- 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: -452.574+/-2.398 χ^2/NDF:6396.8/18

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

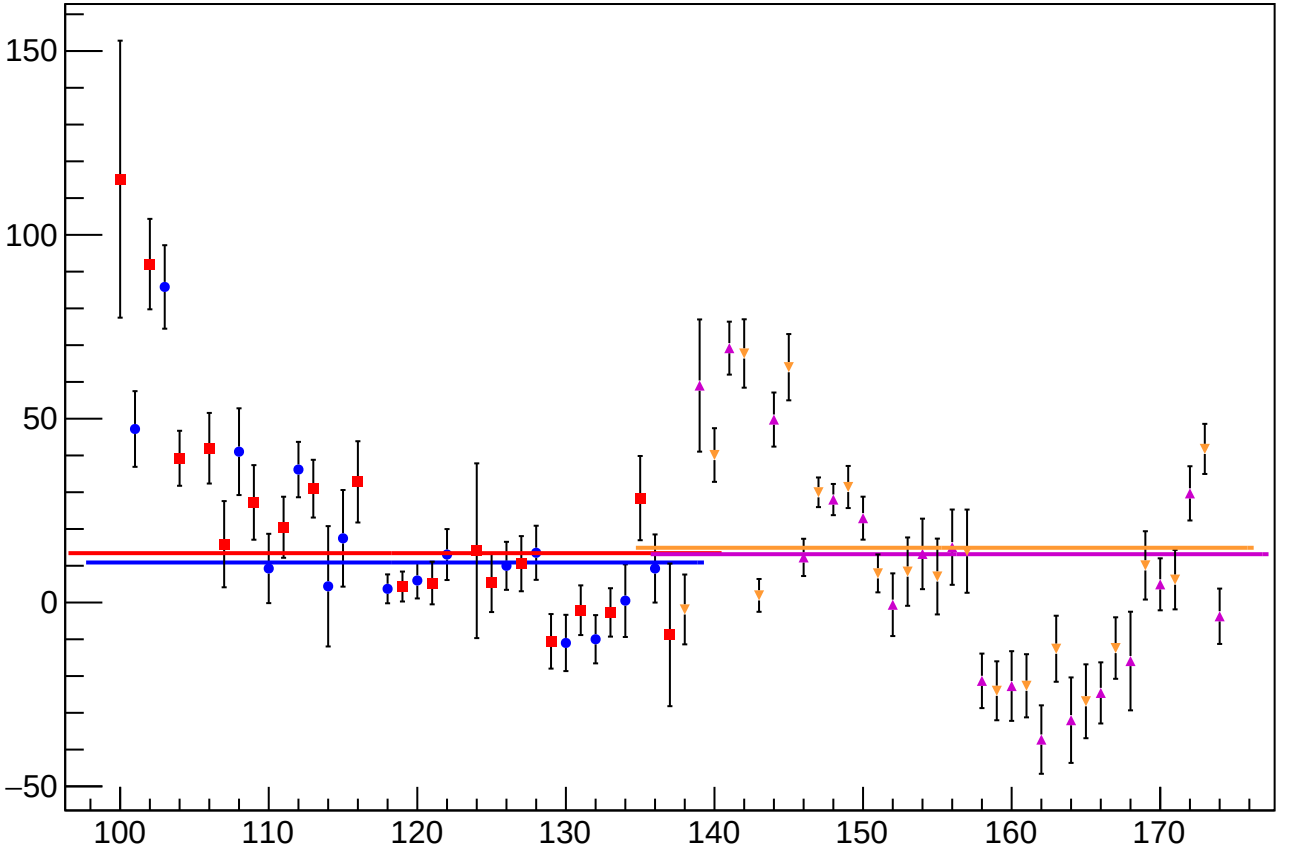
Left In: -523.764+/-2.530 χ^2/NDF:735.6/17

+ sign -386.718+/-1.452 χ^2/NDF: 9446.0/34

All: -393.393+/-1.024 χ^2/NDF: 15971.3/71

- 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: 14.891+/-1.630 χ^2/NDF:207.5/18

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

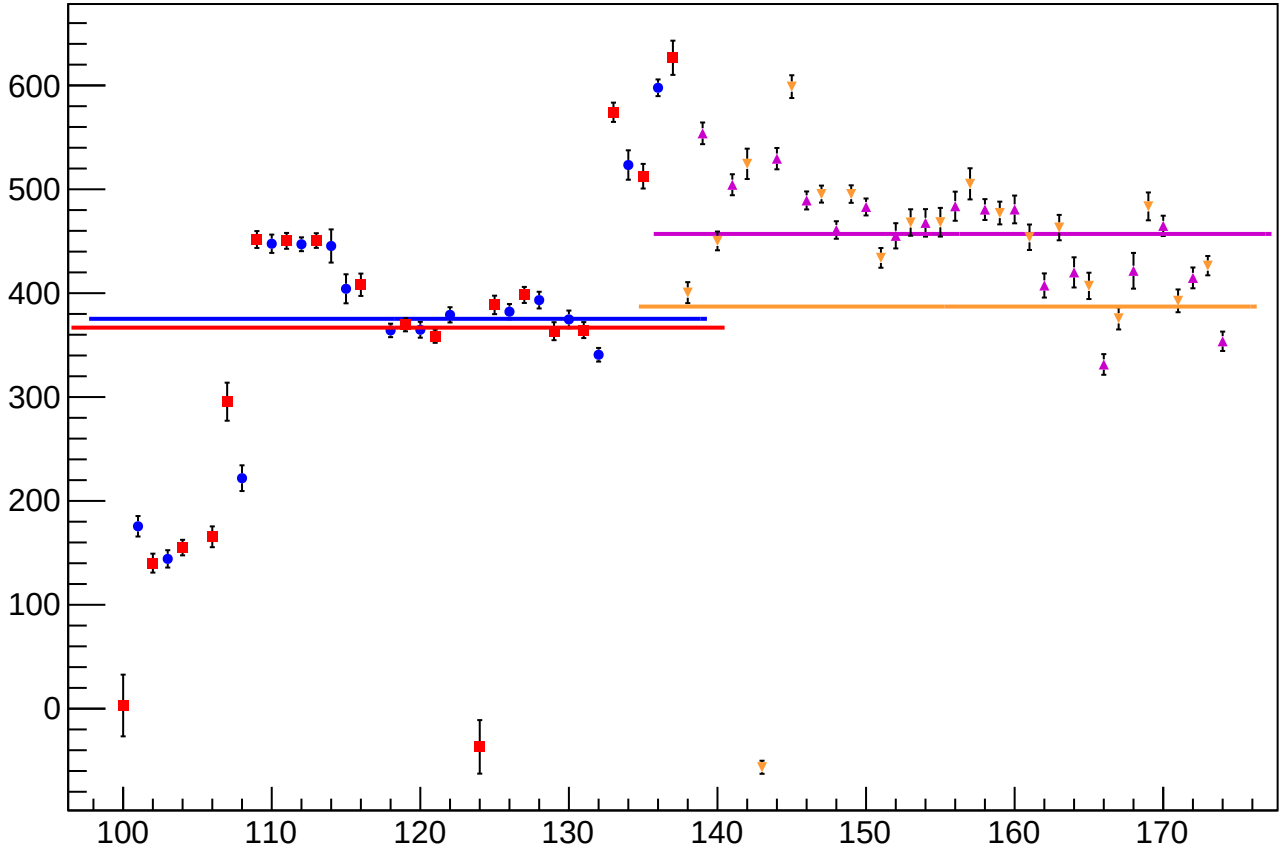
Left In: 13.144+/-1.759 χ^2/NDF:226.6/17

+ sign 13.134+/-1.221 χ^2/NDF: 308.4/34

All: 13.203+/-0.882 χ^2/NDF: 647.4/71

- 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: 387.109+/-2.368 χ^2/NDF:6184.5/18

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

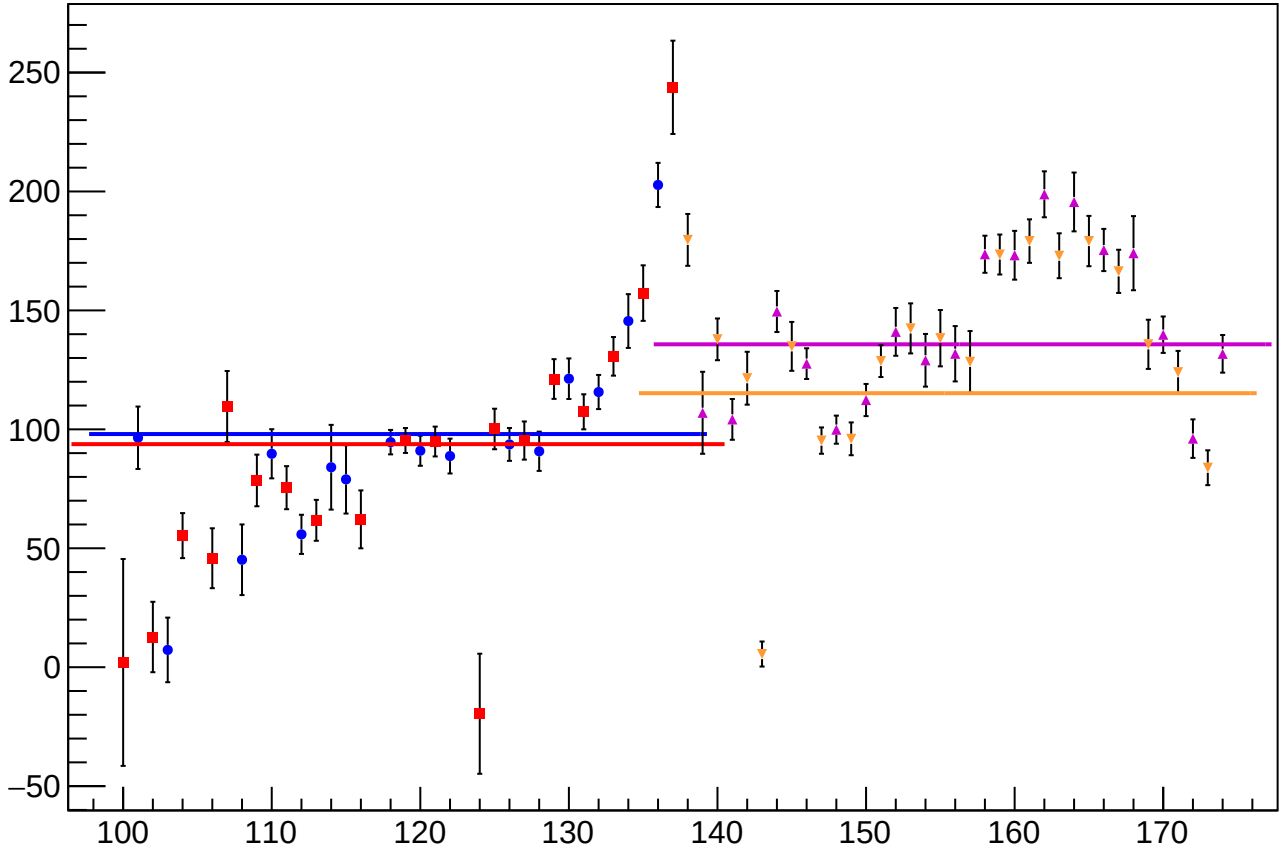
Left In: 457.035+/-2.488 χ^2/NDF:524.7/17

+ sign 380.518+/-1.572 χ^2/NDF: 8647.8/34

All: 391.834+/-1.115 χ^2/NDF: 13600.8/71

- 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: 115.201+/-1.918 χ^2/NDF:742.2/18

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

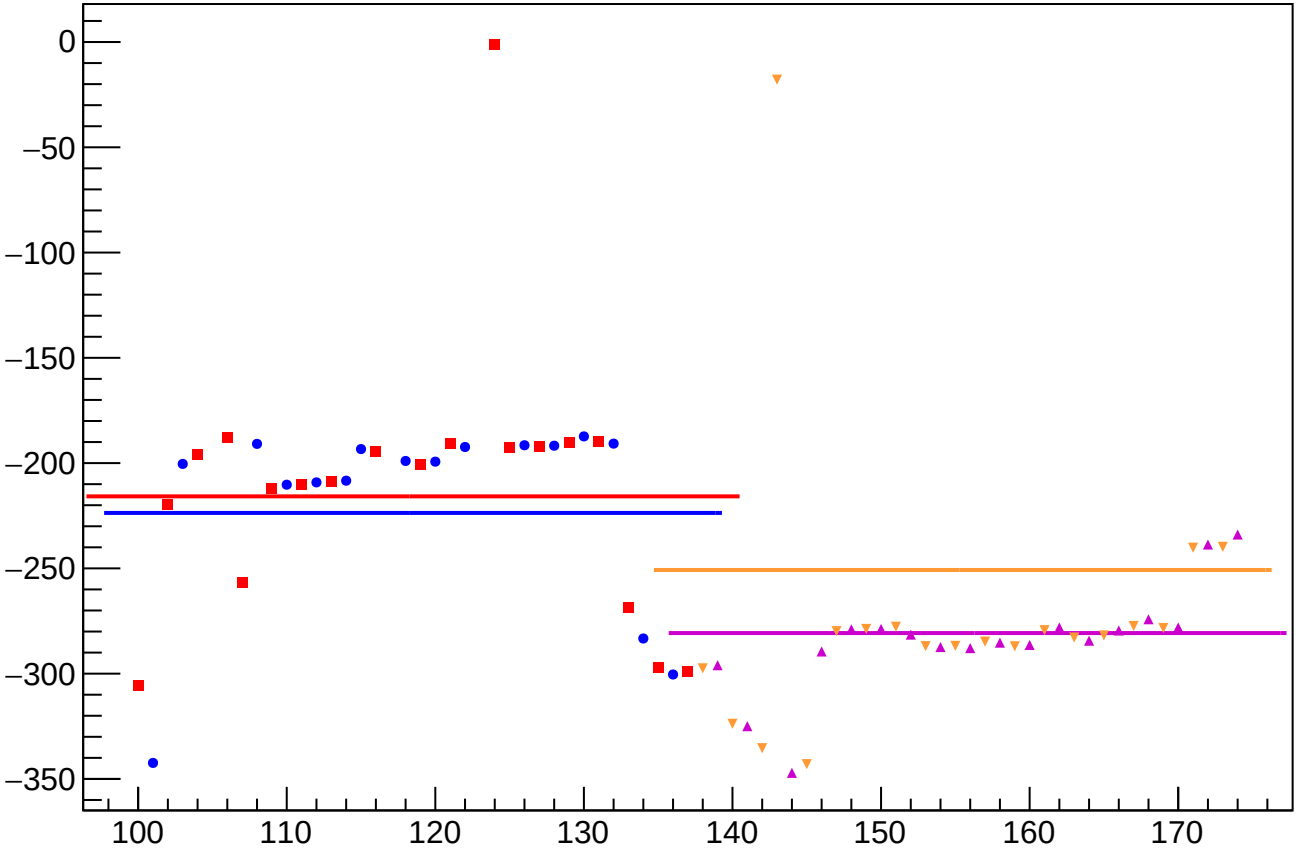
Left In: 135.740+/-2.047 χ^2/NDF:223.6/17

+ sign 107.566+/-1.429 χ^2/NDF: 1027.3/34

All: 111.483+/-1.028 χ^2/NDF: 1704.7/71

- 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: -250.766+/-0.091 χ^2/NDF:973652.0/18

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

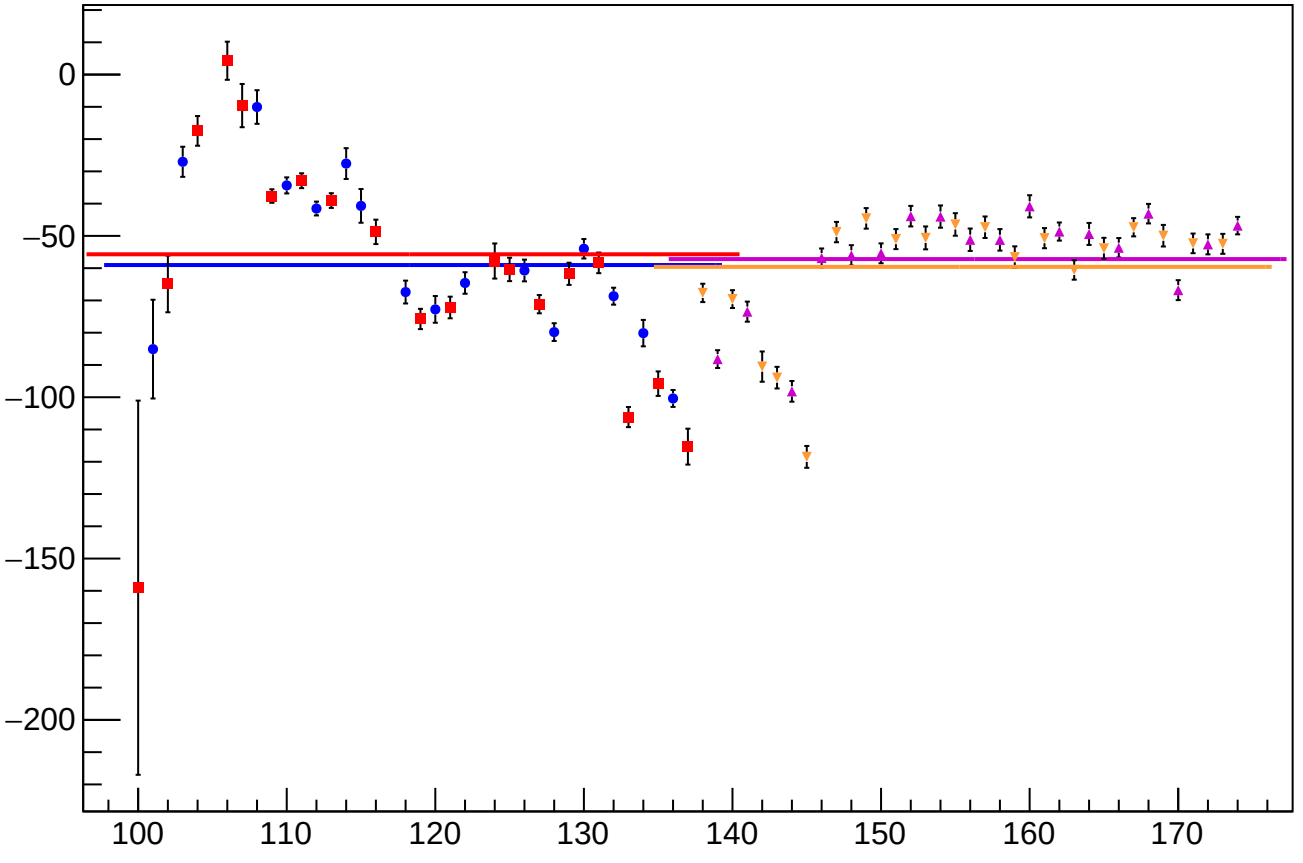
Left In: -280.718+/-0.093 χ^2/NDF:70903.3/17

+ sign -242.591+/-0.076 χ^2/NDF: 1121999.1/34

All: -250.988+/-0.054 χ^2/NDF: 1456589.2/71

- 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: -59.599+/-0.735 χ^2/NDF:597.9/18

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

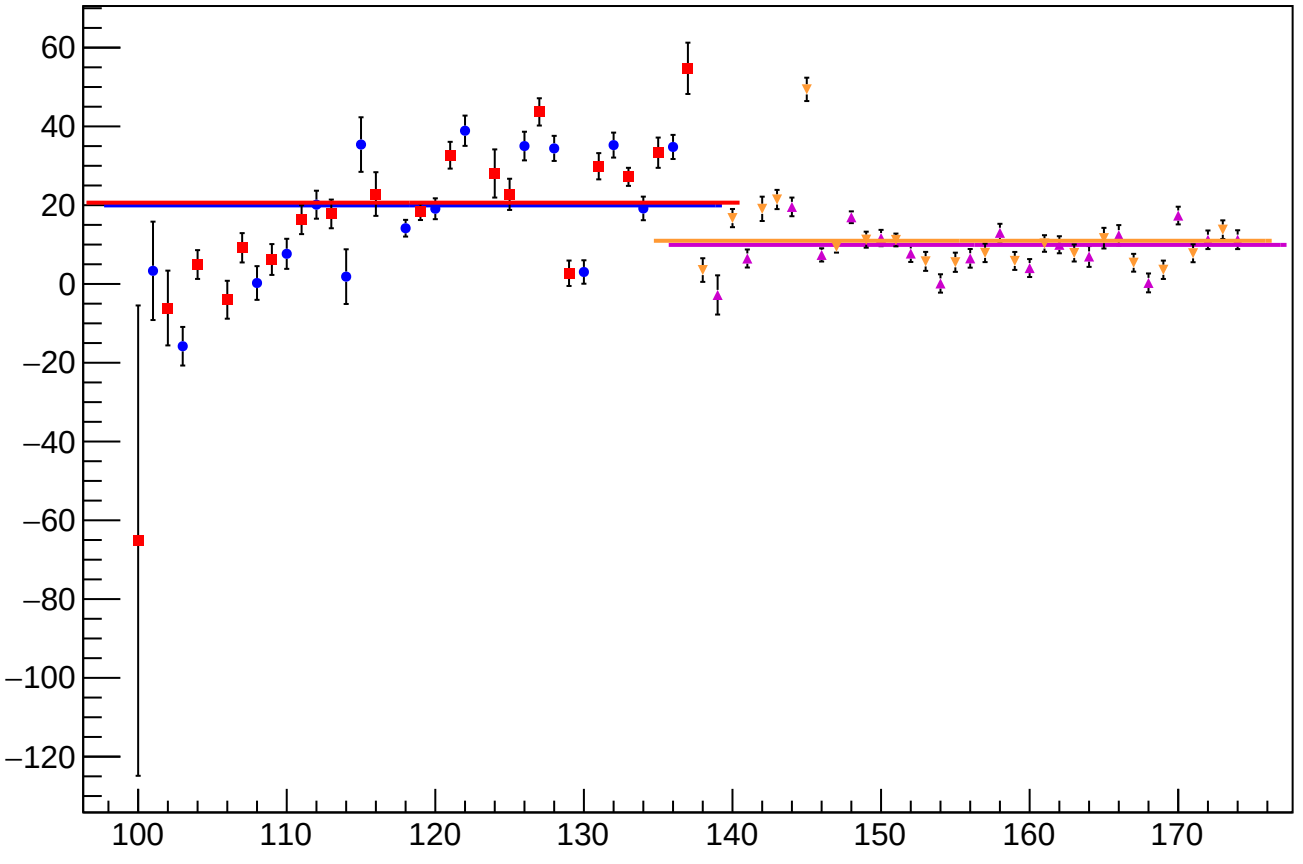
Left In: -57.182+/-0.731 χ^2/NDF:442.3/17

+ sign -59.349+/-0.550 χ^2/NDF: 1325.5/34

All: -57.889+/-0.384 χ^2/NDF: 2824.6/71

- 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: 10.966+/-0.511 χ^2/NDF:245.1/18

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

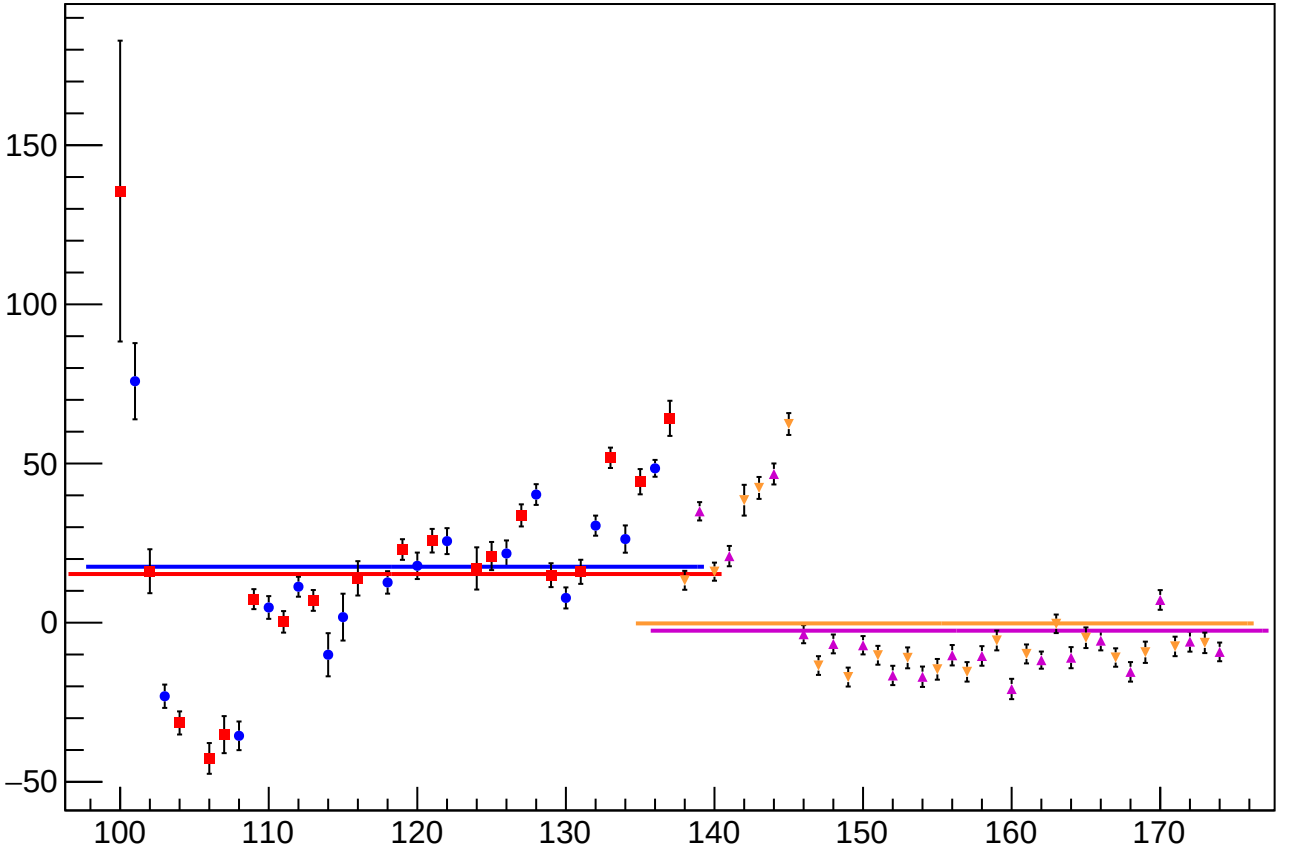
Left In: 9.919+/-0.524 χ^2/NDF:109.7/17

+ sign 13.279+/-0.440 χ^2/NDF: 571.8/34

All: 13.092+/-0.313 χ^2/NDF: 1023.3/71

- 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: -0.231+/-0.720 χ^2/NDF:767.3/18

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

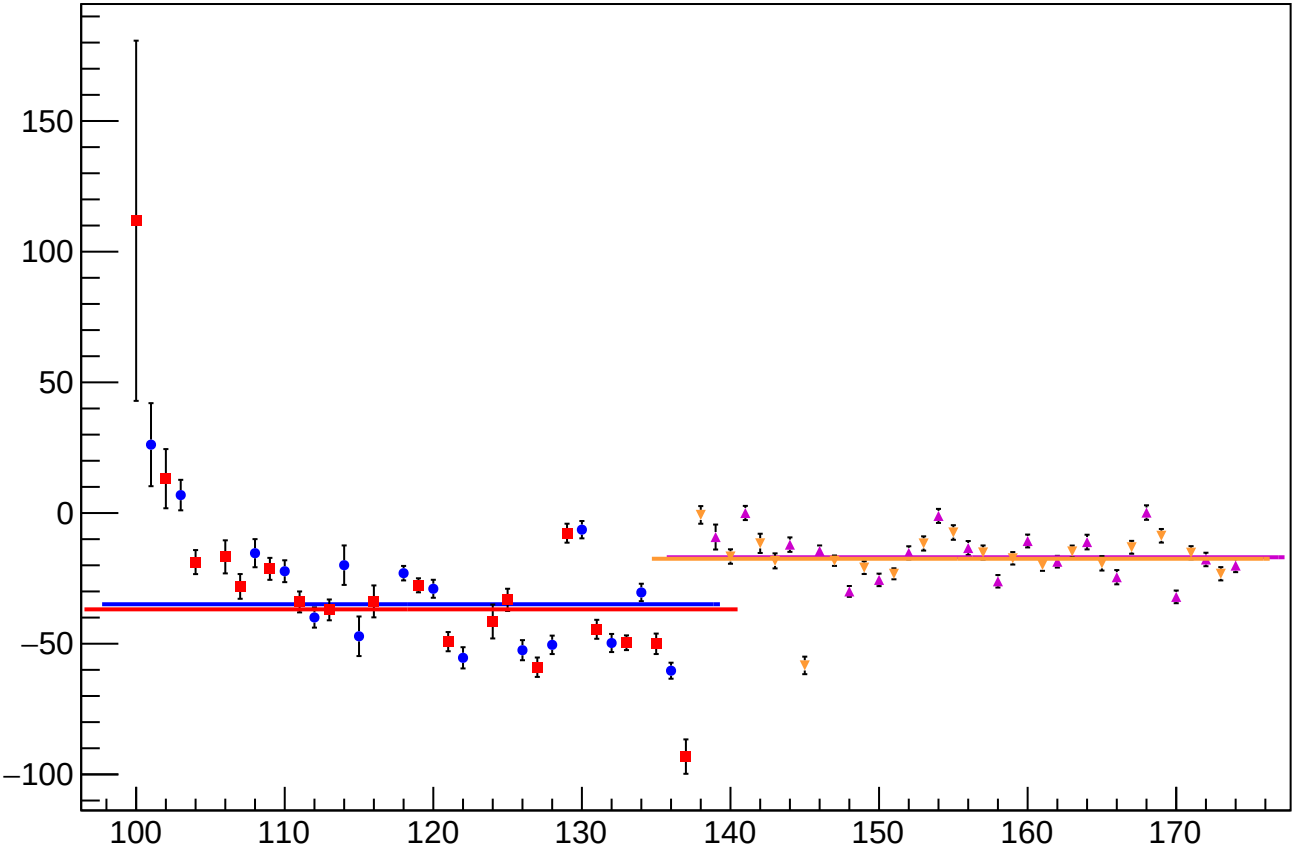
Left In: -2.515+/-0.718 χ^2/NDF:591.4/17

+ sign 6.211+/-0.575 χ^2/NDF: 1534.6/34

All: 5.144+/-0.405 χ^2/NDF: 3091.0/71

- 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: -17.490+/-0.590 χ^2/NDF:226.9/18

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

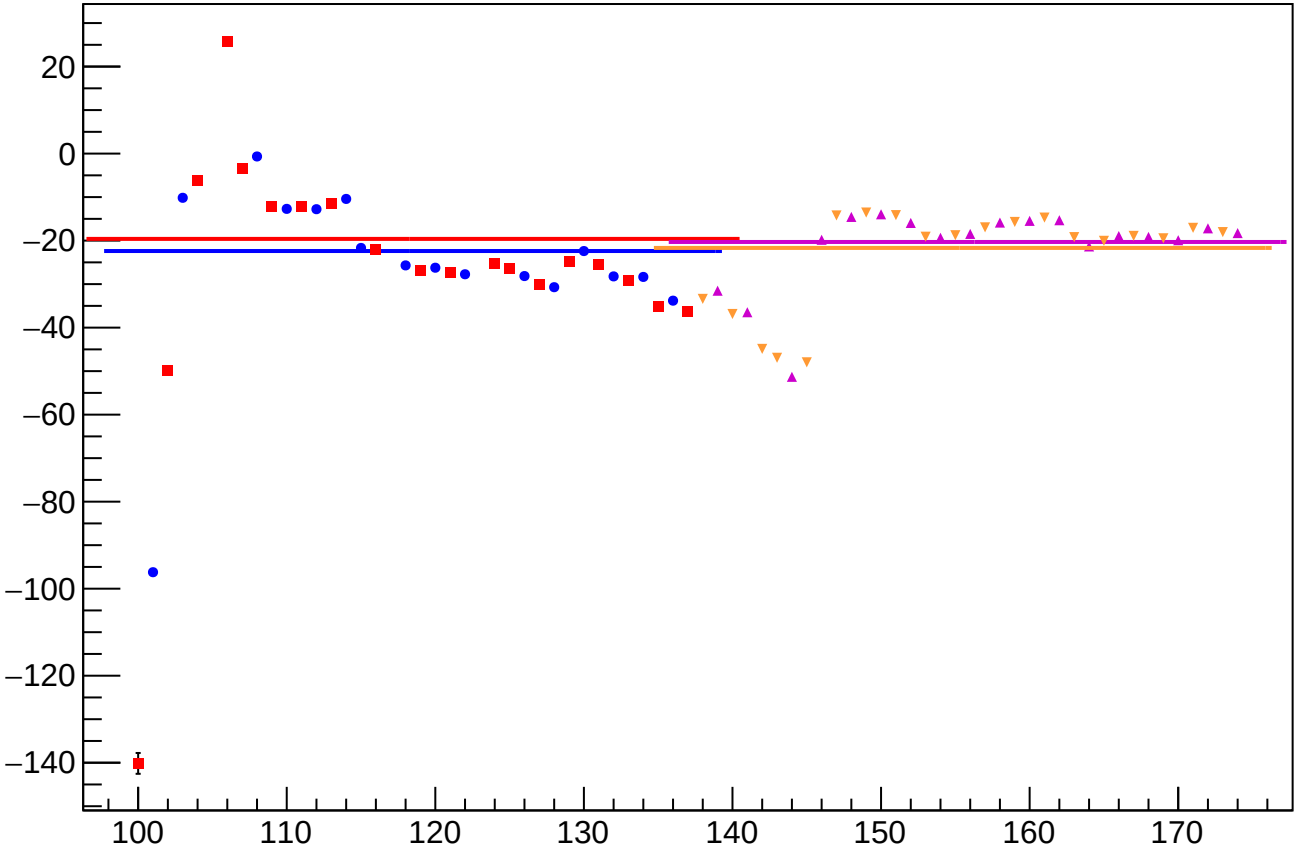
Left In: -16.921+/-0.600 χ^2/NDF:247.6/17

\+ sign -22.050+/-0.507 χ^2/NDF: 801.6/34

All: -22.246+/-0.360 χ^2/NDF: 1656.5/71

\- 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: -21.682+/-0.027 χ^2/NDF:134888.7/18

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

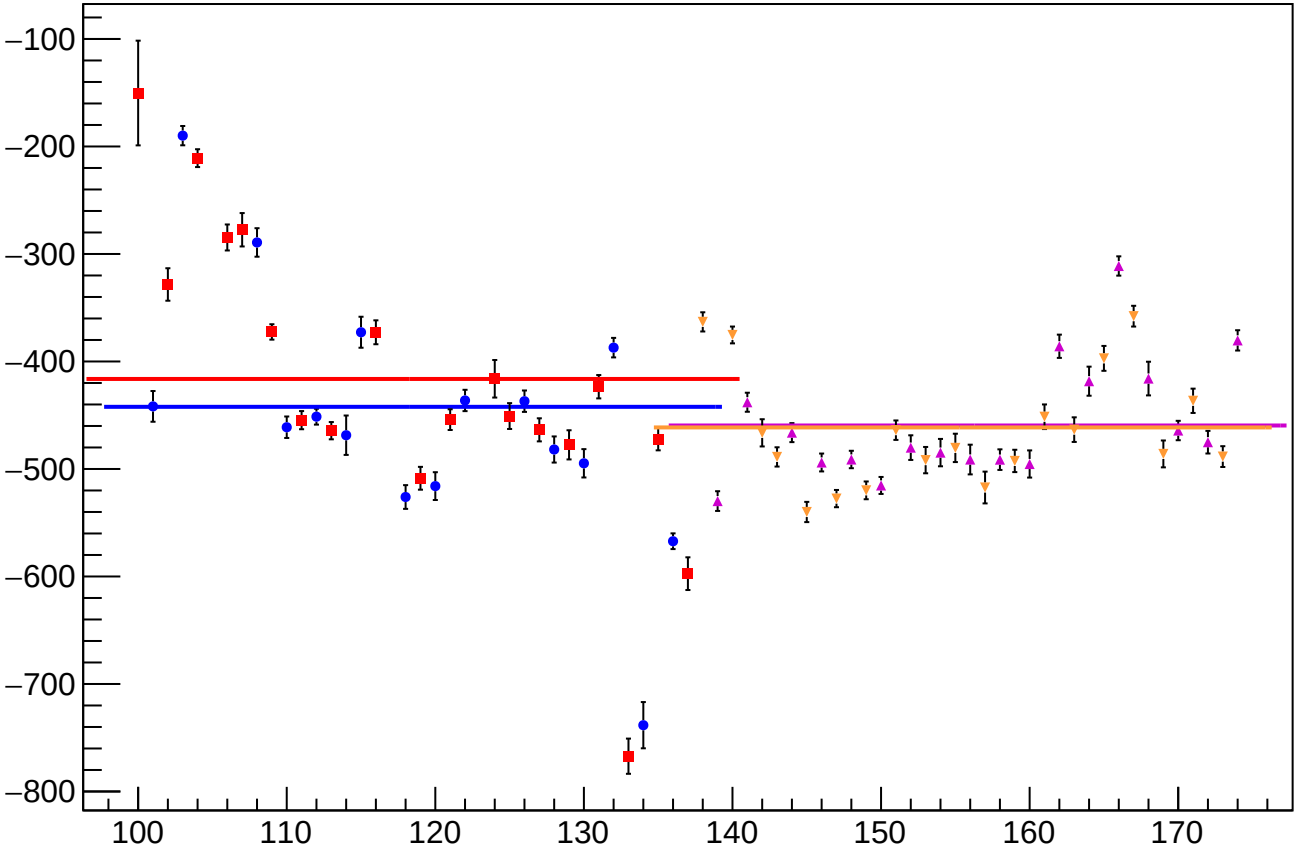
Left In: -20.313+/-0.026 χ^2/NDF:86326.0/17

+ sign -21.805+/-0.024 χ^2/NDF: 181531.7/34

All: -20.997+/-0.017 χ^2/NDF: 354045.3/71

- 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: -461.352+/-2.320 χ^2/NDF:633.9/18

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

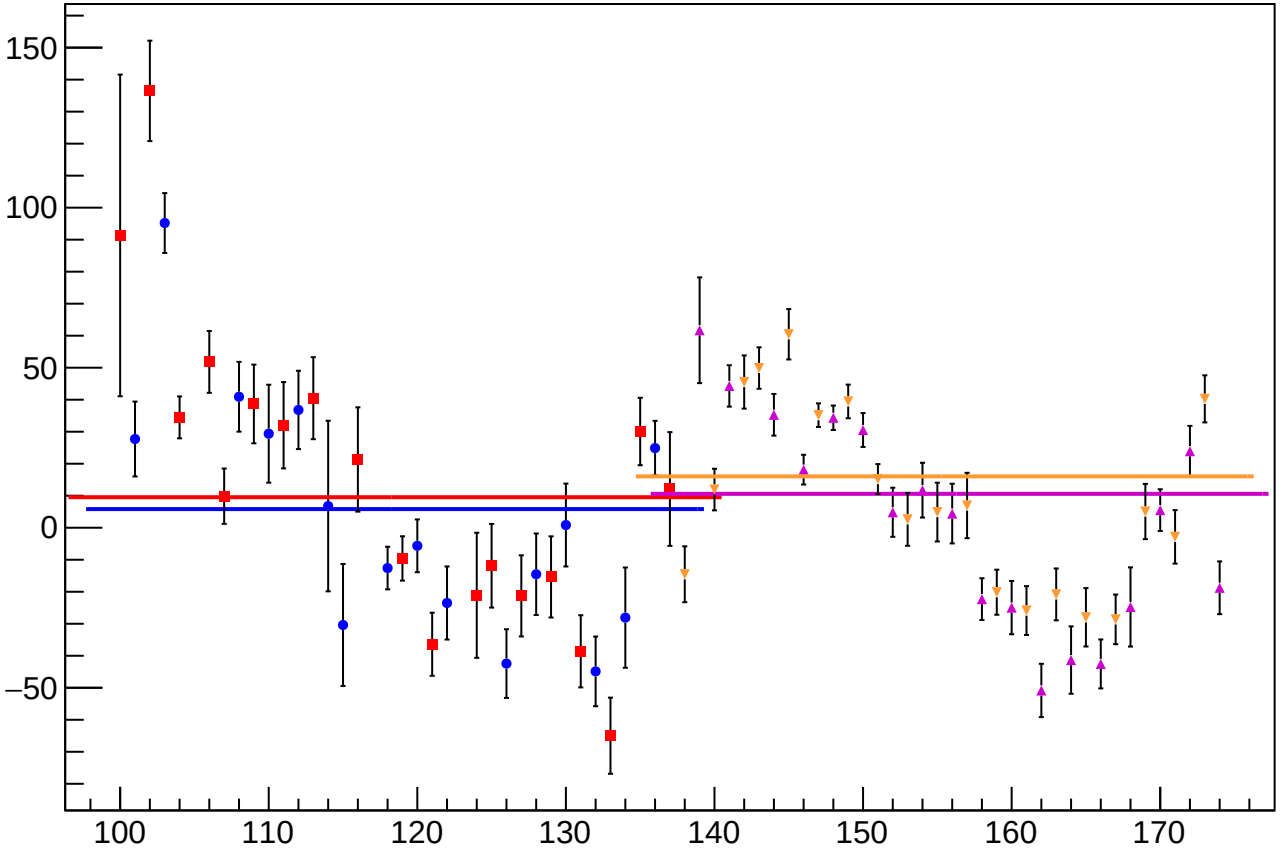
Left In: -459.549+/-2.342 χ^2/NDF:588.2/17

+ sign -453.147+/-1.754 χ^2/NDF: 2252.2/34

All: -446.179+/-1.227 χ^2/NDF: 4783.3/71

- 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: 16.041+/-1.561 χ^2/NDF:287.5/18

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

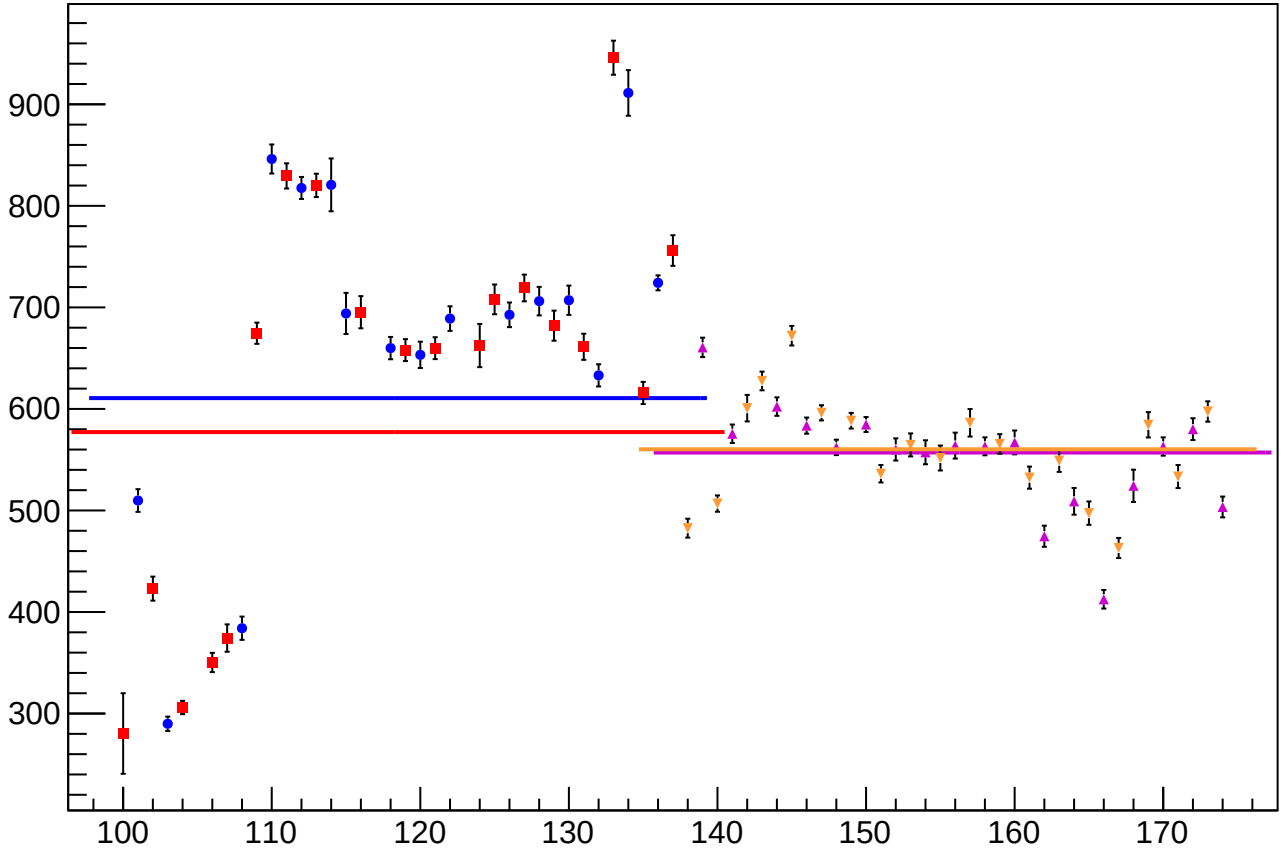
Left In: 10.590+/-1.615 χ^2/NDF:302.8/17

+ sign 13.520+/-1.355 χ^2/NDF: 486.2/34

All: 11.917+/-0.962 χ^2/NDF: 1014.1/71

- 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: 560.237+/-2.278 χ^2/NDF:517.1/18

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

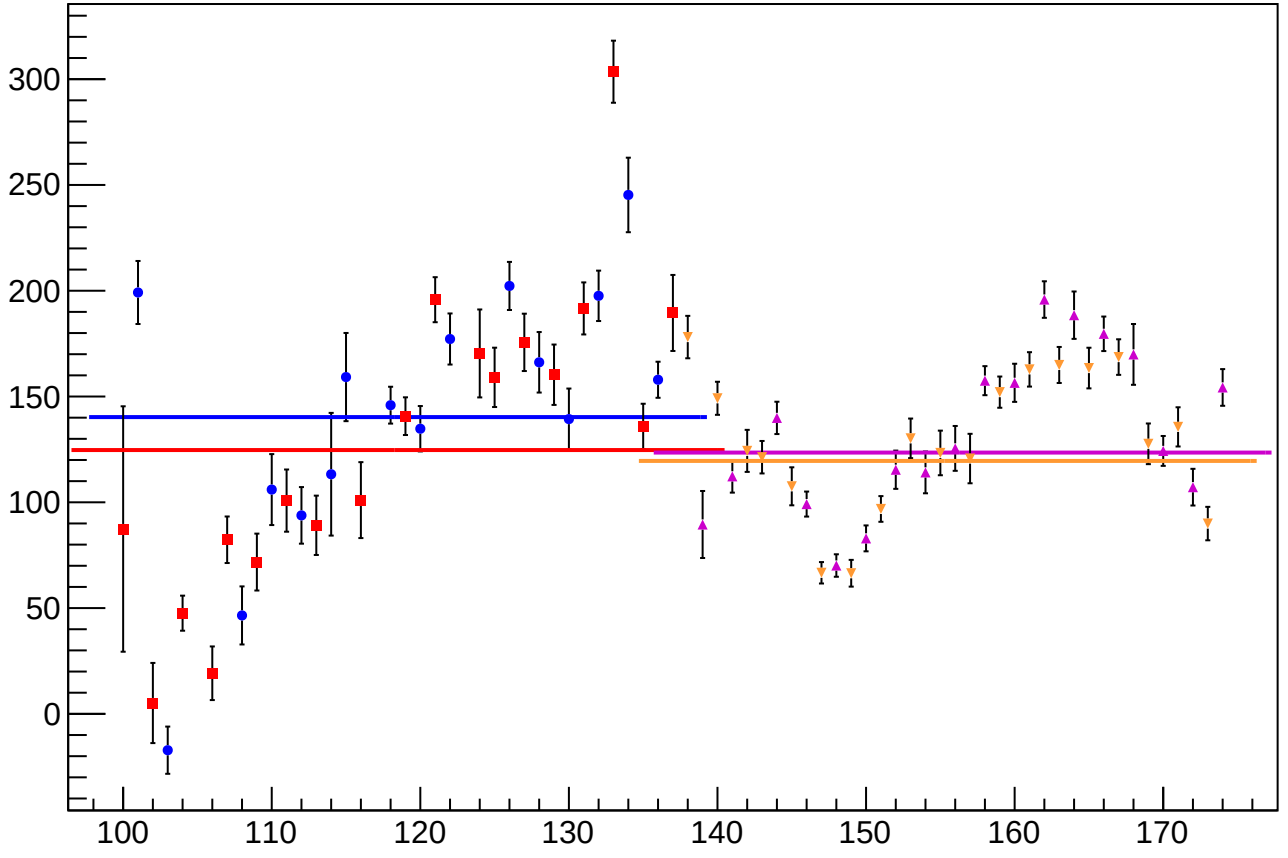
Left In: 557.072+/-2.295 χ^2/NDF:535.5/17

+ sign 579.540+/-1.789 χ^2/NDF: 4597.2/34

All: 572.324+/-1.256 χ^2/NDF: 9996.6/71

- 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: 119.557+/-1.840 χ^2/NDF:394.4/18

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

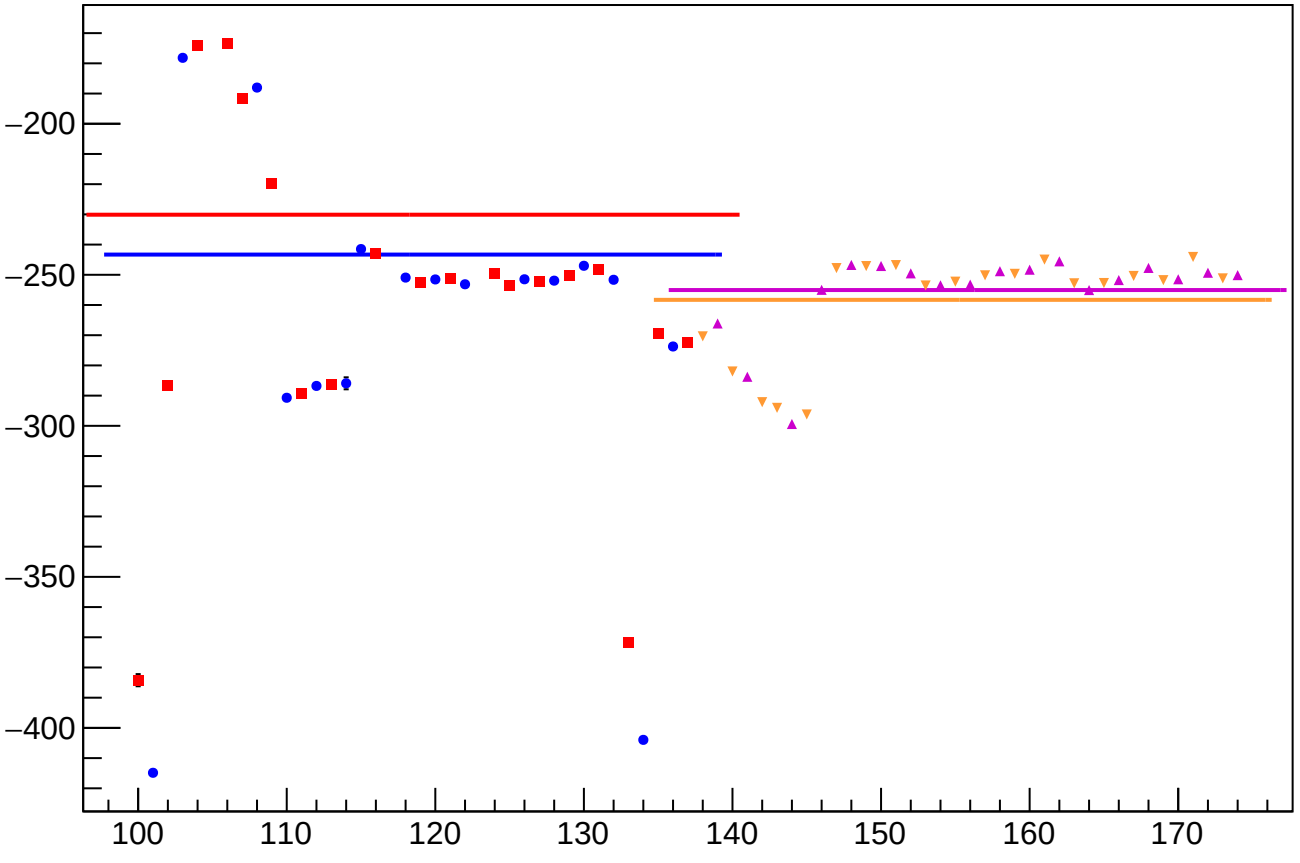
Left In: 123.508+/-1.885 χ^2/NDF:390.5/17

+ sign 124.824+/-1.589 χ^2/NDF: 812.1/34

All: 124.337+/-1.125 χ^2/NDF: 1711.4/71

- 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: -258.293+/-0.087 χ^2/NDF:36654.8/18

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

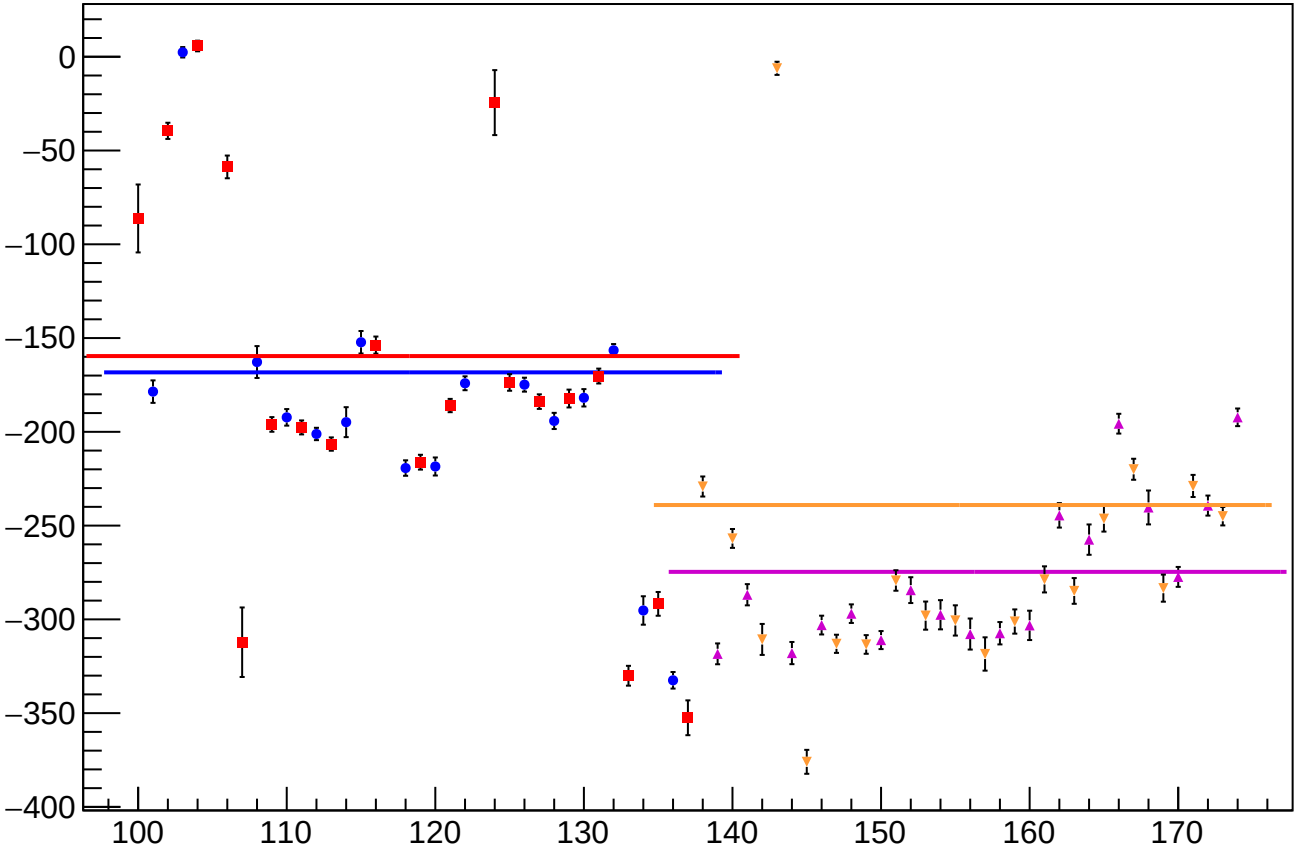
Left In: -255.049+/-0.086 χ^2/NDF:22638.5/17

+ sign -254.948+/-0.077 χ^2/NDF: 216747.3/34

All: -252.070+/-0.054 χ^2/NDF: 363904.0/71

- 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: -239.029+/-1.330 χ^2/NDF:5889.3/18

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

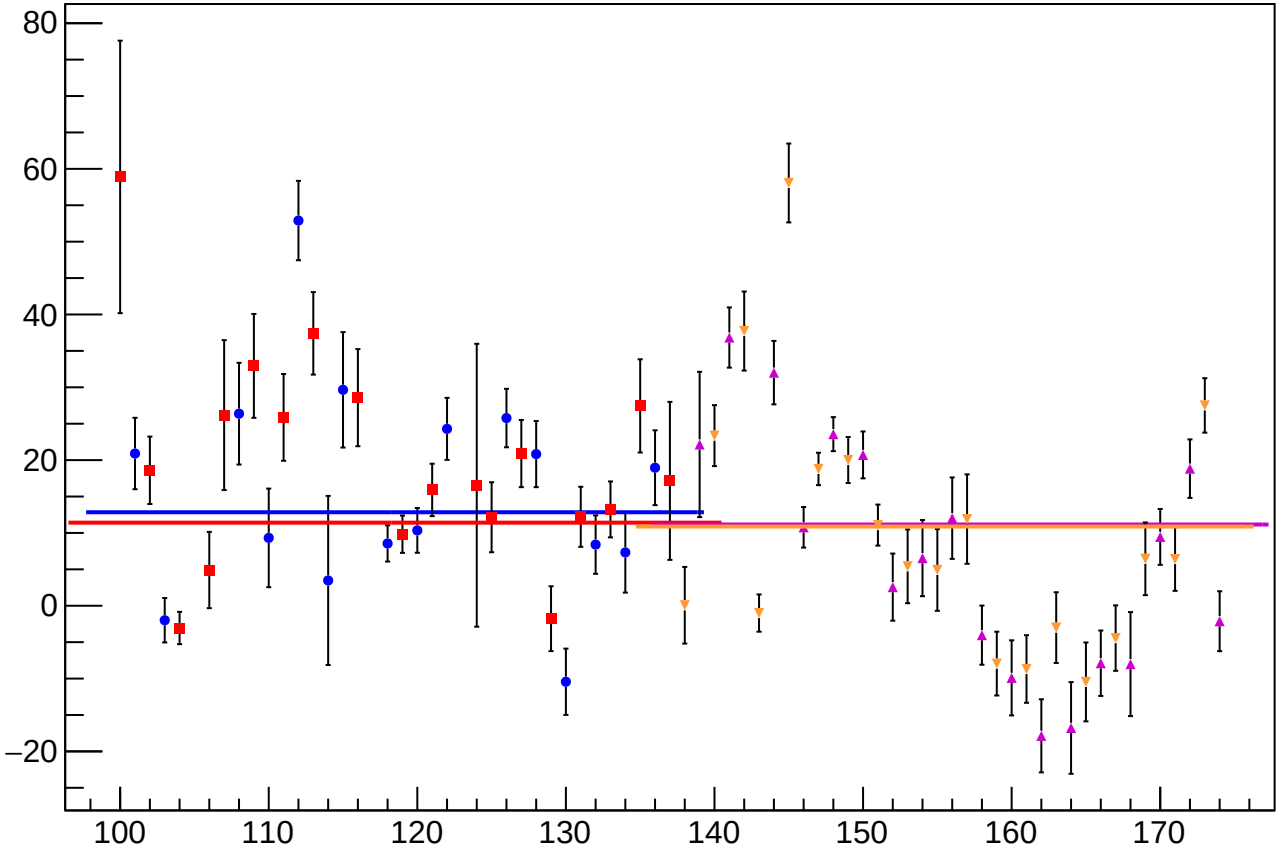
Left In: -274.667+/-1.393 χ^2/NDF:915.4/17

+ sign -196.268+/-0.836 χ^2/NDF: 13507.0/34

All: -198.588+/-0.591 χ^2/NDF: 26009.2/71

- 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: 10.881+/-0.902 χ^2/NDF:251.4/18

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

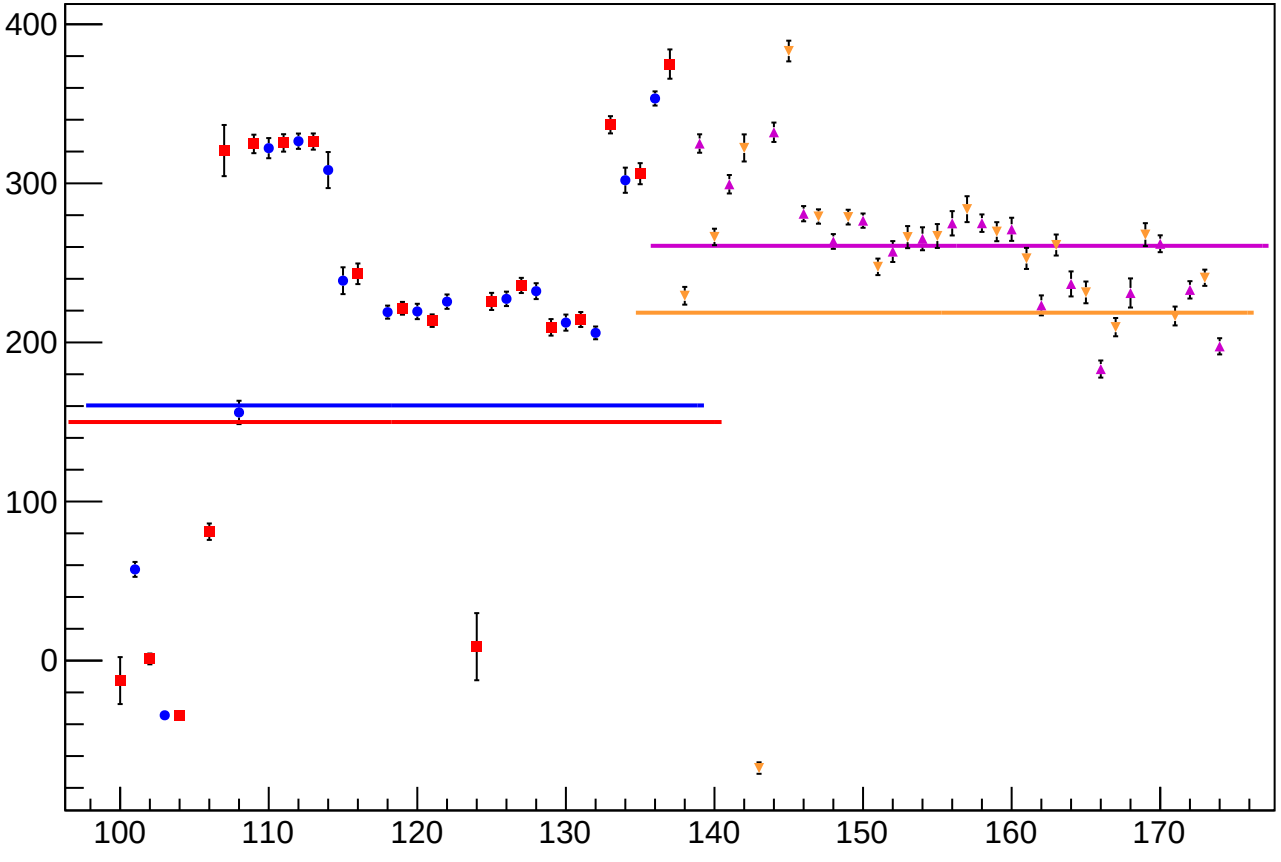
Left In: 11.156+/-0.968 χ^2/NDF:227.3/17

+ sign 11.690+/-0.692 χ^2/NDF: 397.1/34

All: 11.488+/-0.494 χ^2/NDF: 744.1/71

- 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: 218.705+/-1.312 χ^2/NDF:7903.0/18

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

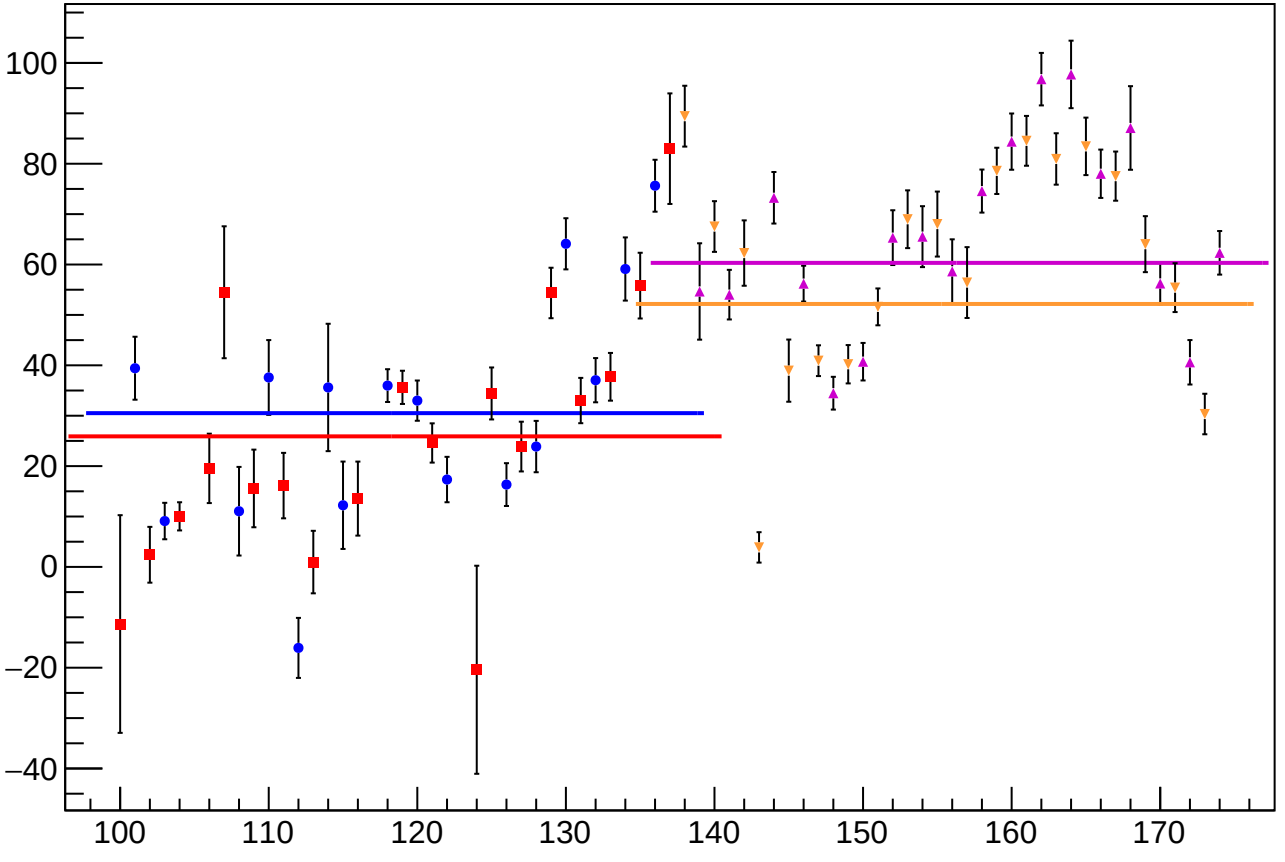
Left In: 260.740+/-1.369 χ^2/NDF:790.9/17

+ sign 185.466+/-0.860 χ^2/NDF: 22978.9/34

All: 189.600+/-0.608 χ^2/NDF: 44038.9/71

- 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: 52.175+/-1.061 χ^2/NDF:548.7/18

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

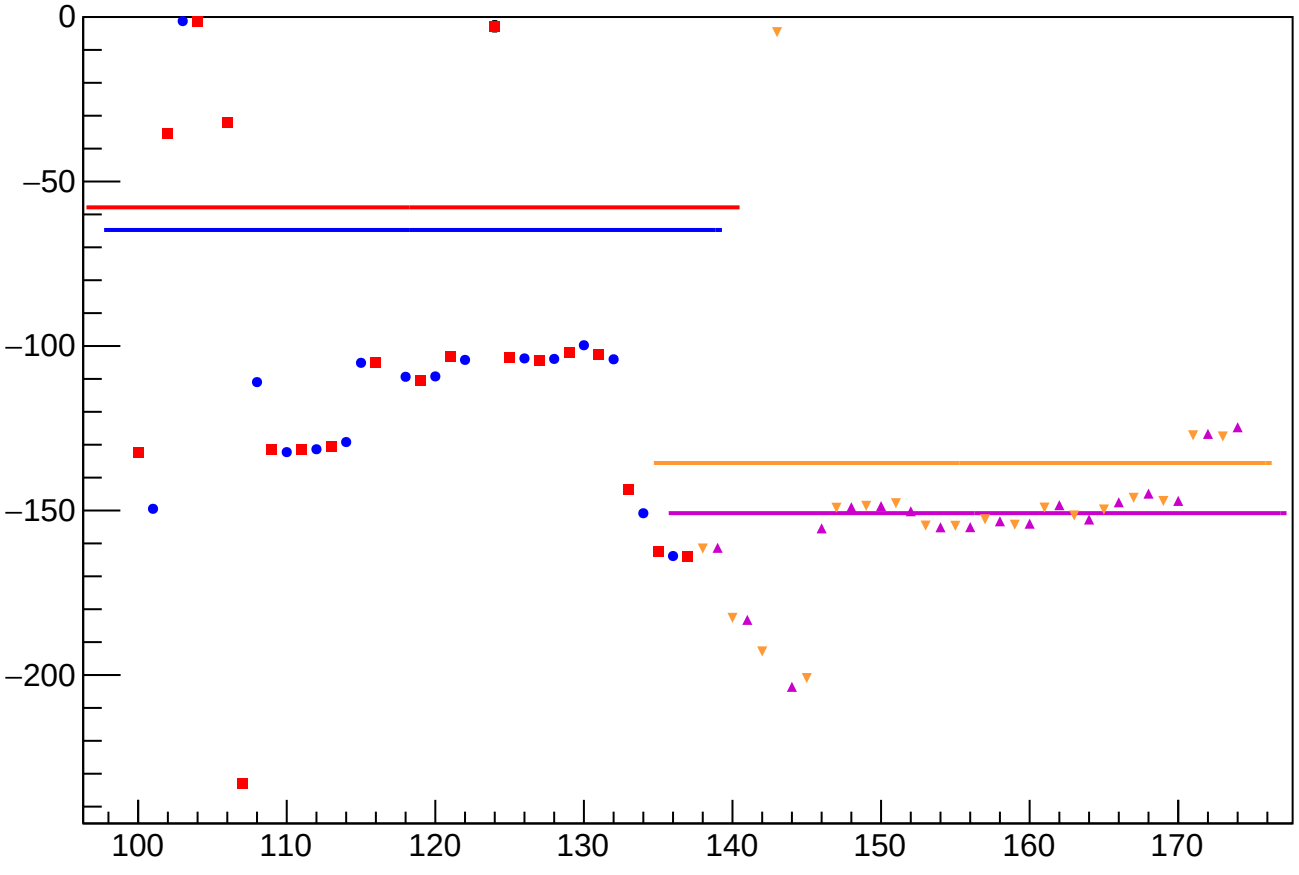
Left In: 60.327+/-1.126 χ^2/NDF:257.5/17

+ sign 43.145+/-0.810 χ^2/NDF: 999.6/34

All: 43.761+/-0.578 χ^2/NDF: 1878.7/71

- sign 44.400+/-0.825 χ^2/NDF: 878.0/36

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -135.558+/-0.050 χ^2/NDF:966384.4/18

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

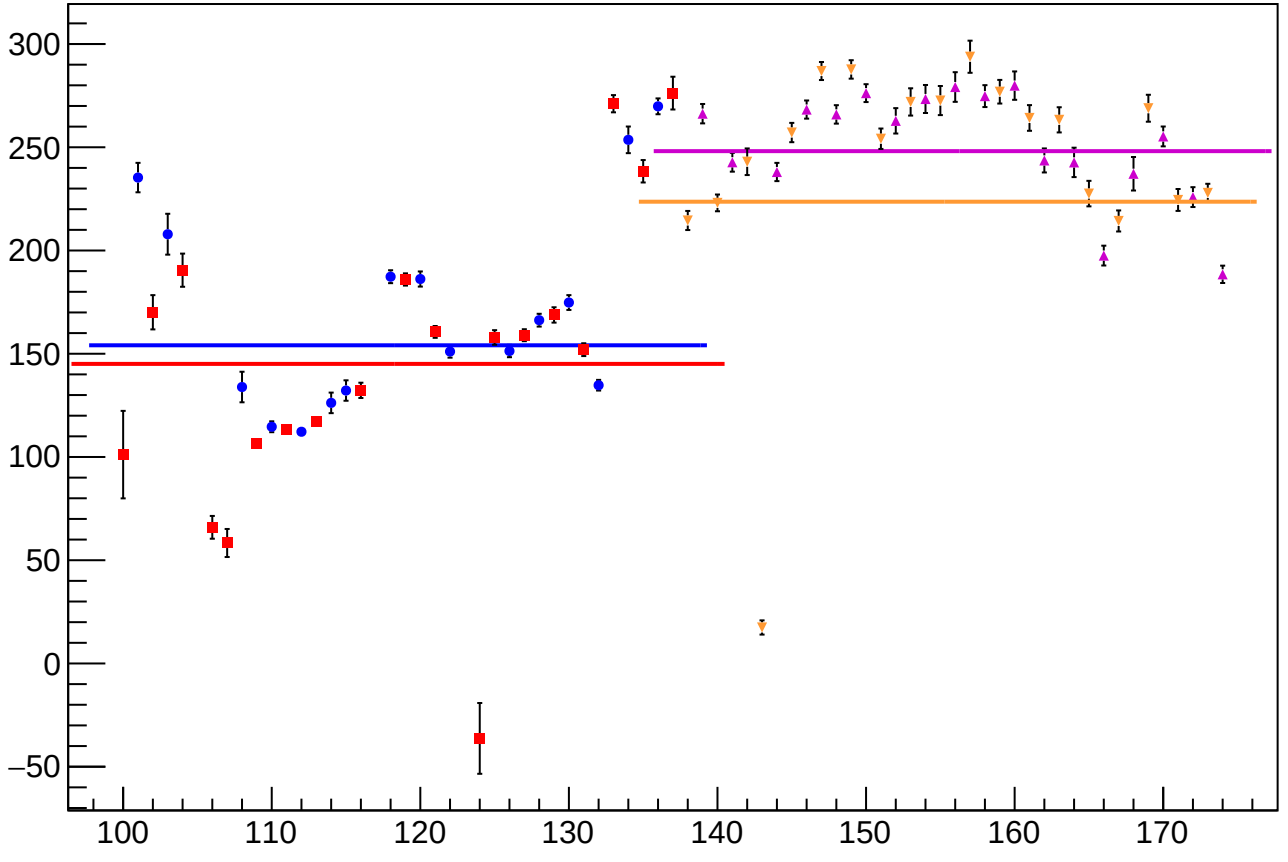
Left In: -150.796+/-0.051 χ^2/NDF:99206.7/17

+ sign -108.488+/-0.039 χ^2/NDF: 2772539.0/34

All: -110.811+/-0.028 χ^2/NDF: 5084970.0/71

- 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: 223.636+/-1.176 χ^2/NDF:4509.0/18

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

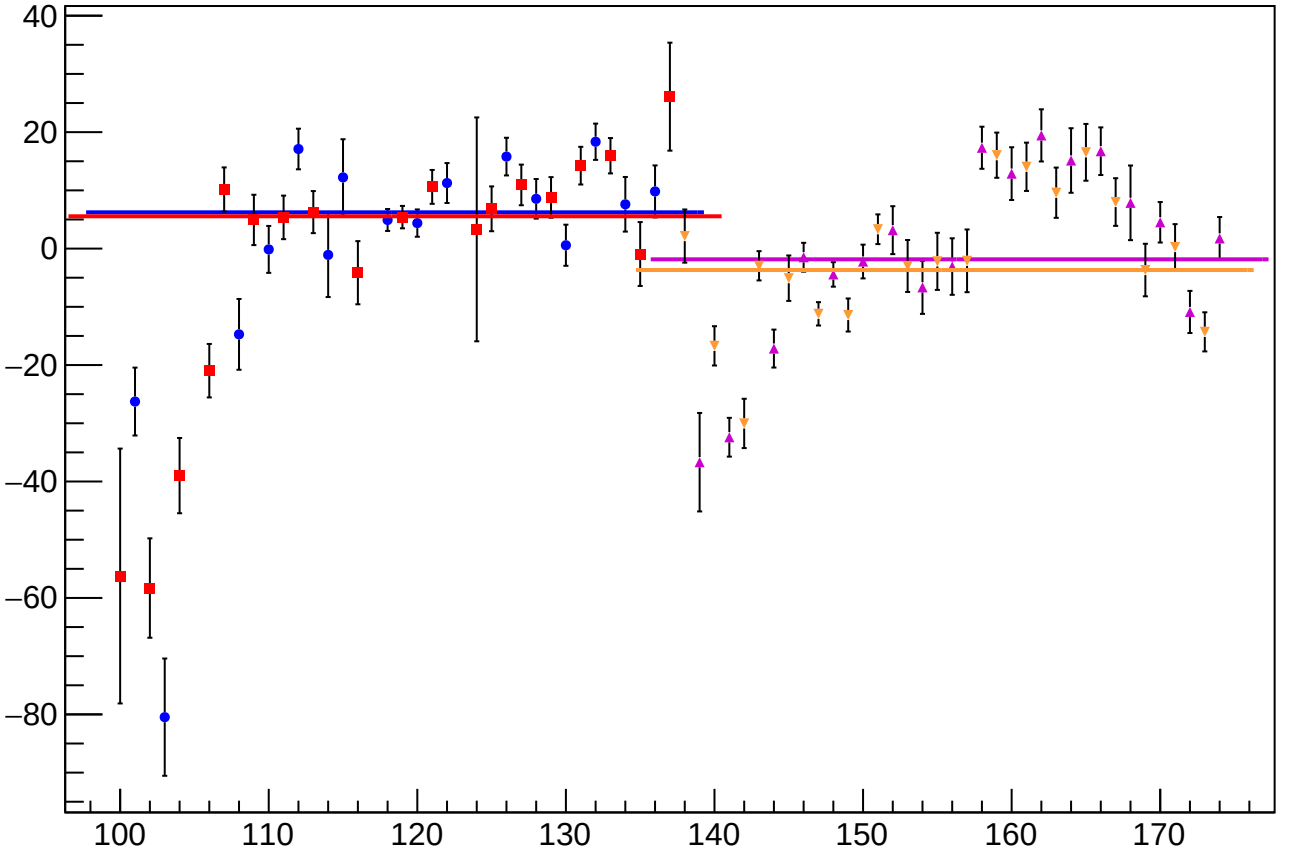
Left In: 248.123+/-1.217 χ^2/NDF:524.9/17

+ sign 178.661+/-0.699 χ^2/NDF: 9051.6/34

All: 178.114+/-0.489 χ^2/NDF: 17445.1/71

- 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: -3.680+/-0.803 χ^2/NDF:174.6/18

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

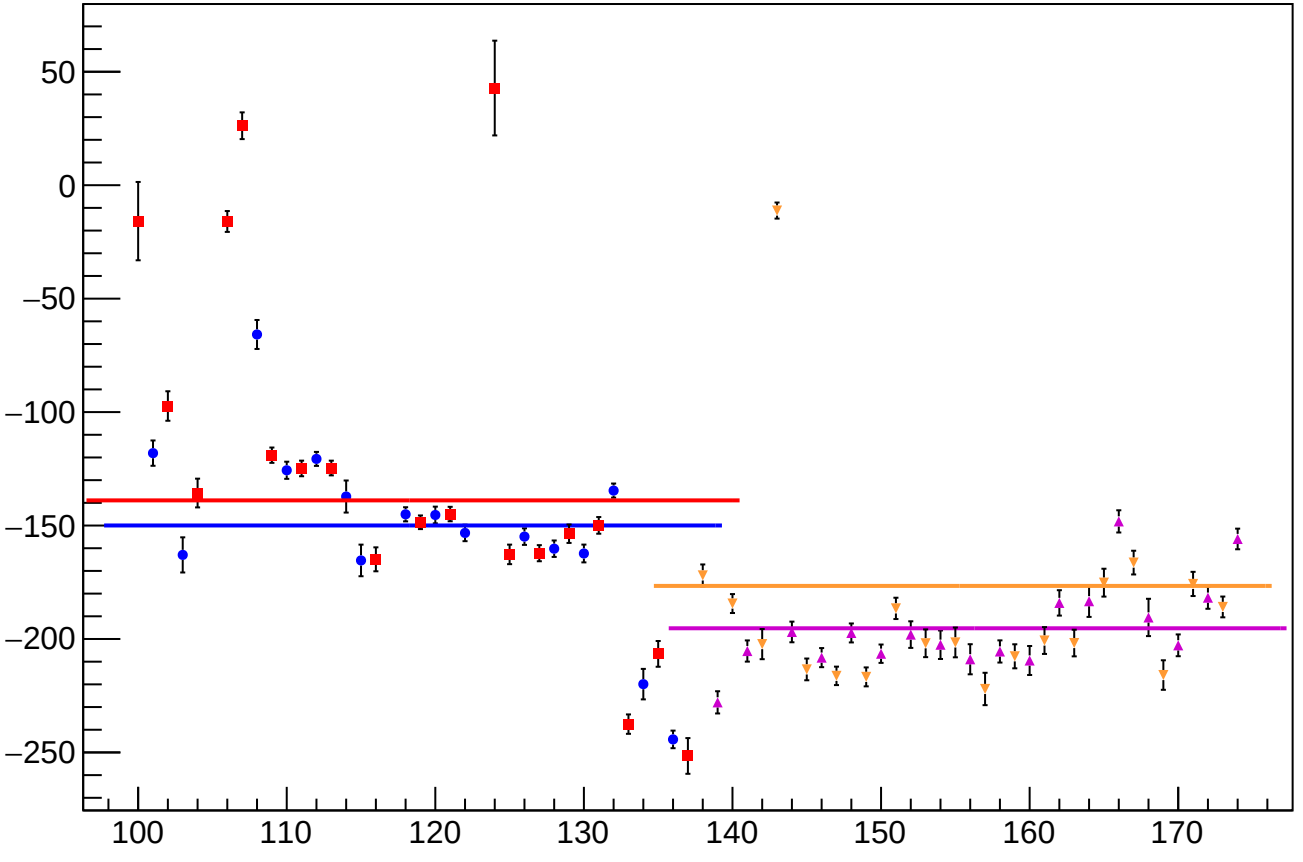
Left In: -1.843+/-0.851 χ^2/NDF:231.6/17

+ sign 0.767+/-0.596 χ^2/NDF: 405.0/34

All: 1.214+/-0.428 χ^2/NDF: 854.8/71

- 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: -176.608+/-1.161 χ^2/NDF:2635.3/18

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

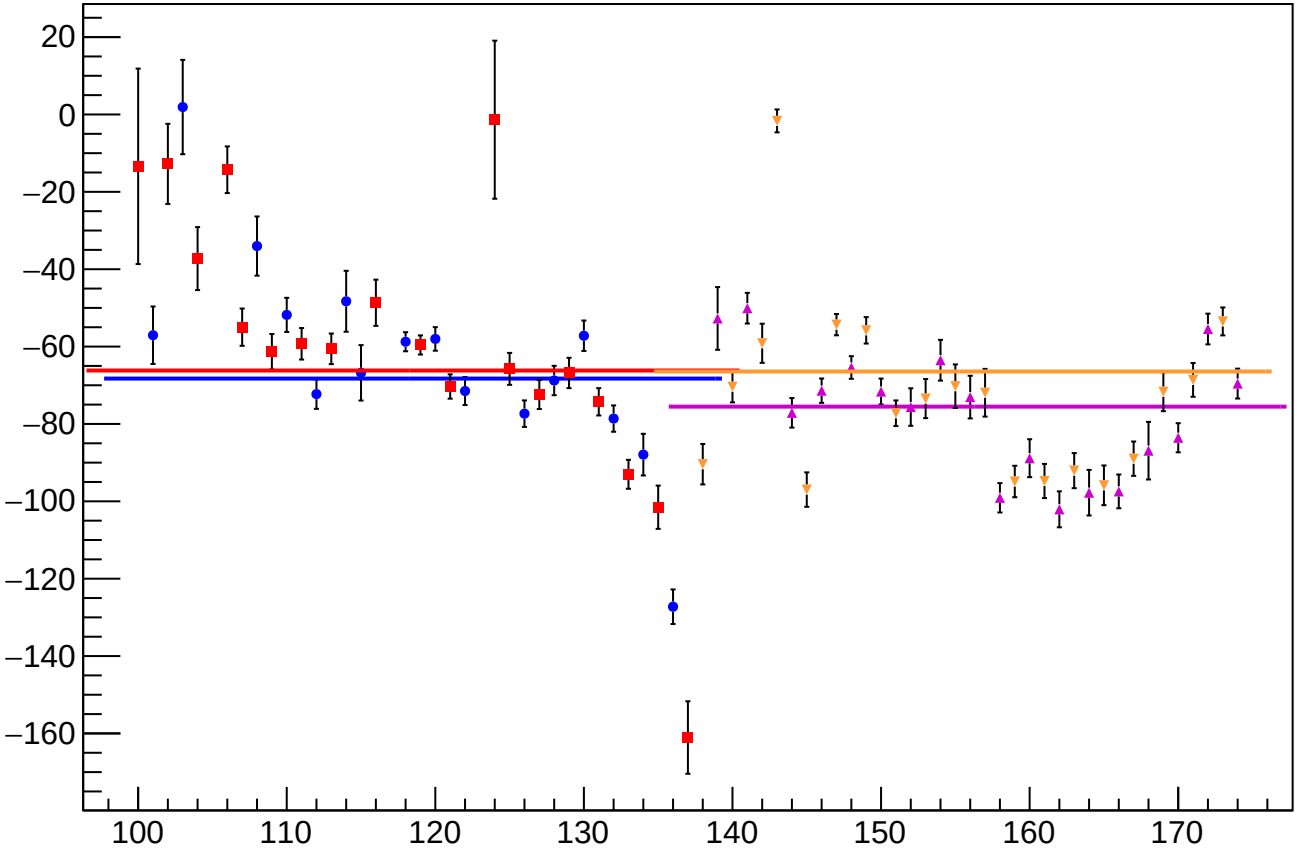
Left In: -195.282+/-1.198 χ^2/NDF:266.6/17

+ sign -161.646+/-0.769 χ^2/NDF: 4030.4/34

All: -161.764+/-0.542 χ^2/NDF: 8359.8/71

- 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: -66.440+/-0.943 χ^2/NDF:787.1/18

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

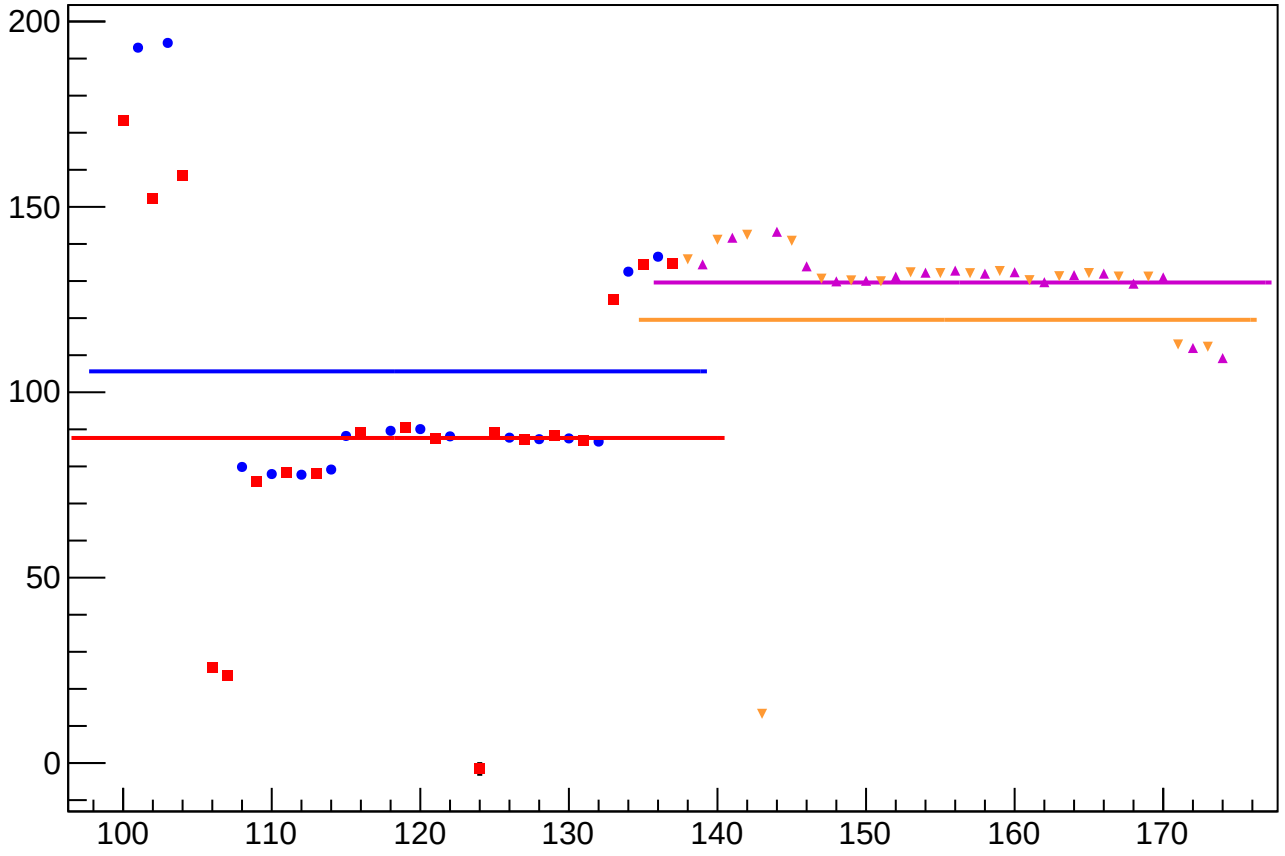
Left In: -75.521+/-0.989 χ^2/NDF:222.5/17

\+ sign -67.273+/-0.696 χ^2/NDF: 1104.2/34

All: -69.105+/-0.498 χ^2/NDF: 1742.1/71

\- 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: 119.541+/-0.044 χ^2/NDF:606328.6/18

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

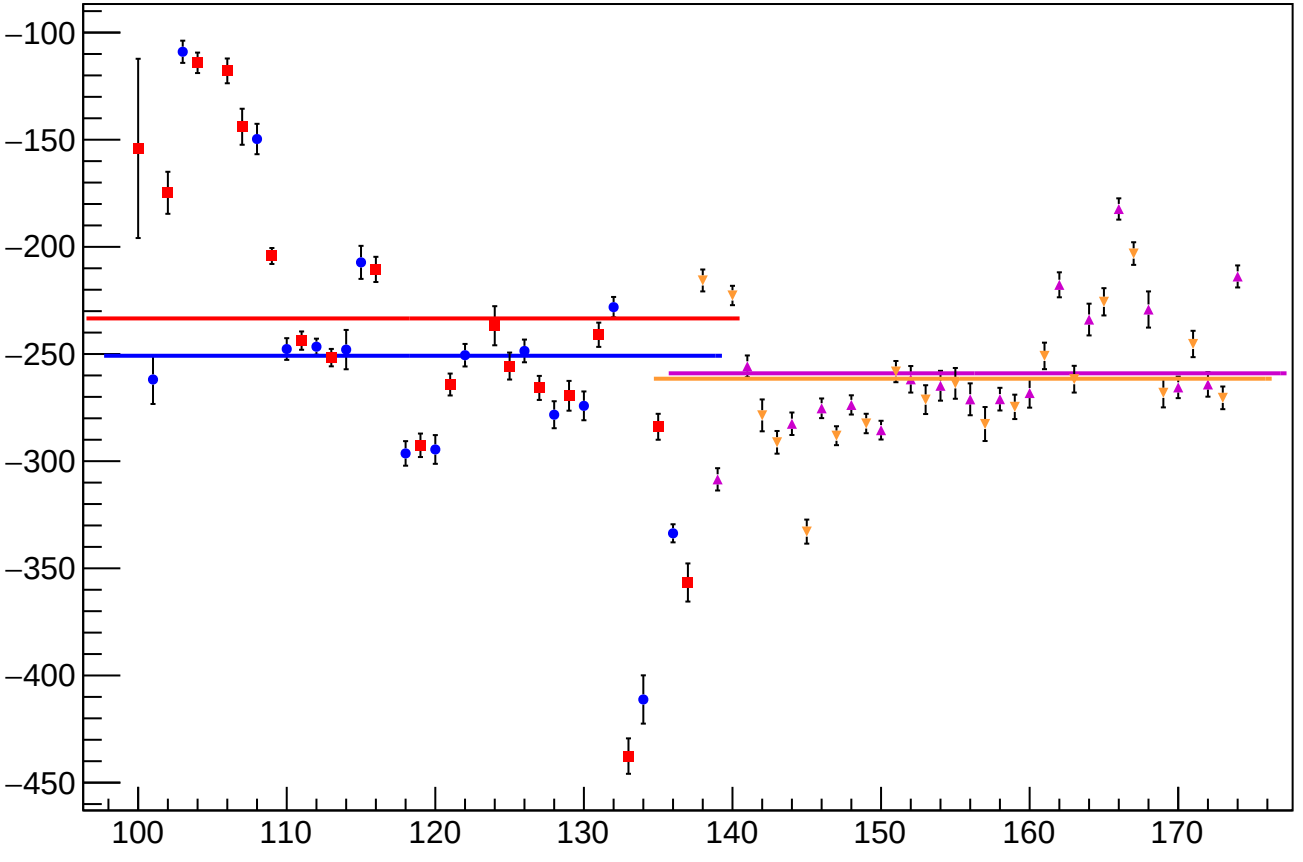
Left In: 129.606+/-0.045 χ^2/NDF:38225.8/17

\+ sign 115.614+/-0.038 χ^2/NDF: 873578.8/34

All: 115.905+/-0.026 χ^2/NDF: 1564000.1/71

\- 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: -261.520+/-1.293 χ^2/NDF:592.8/18

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

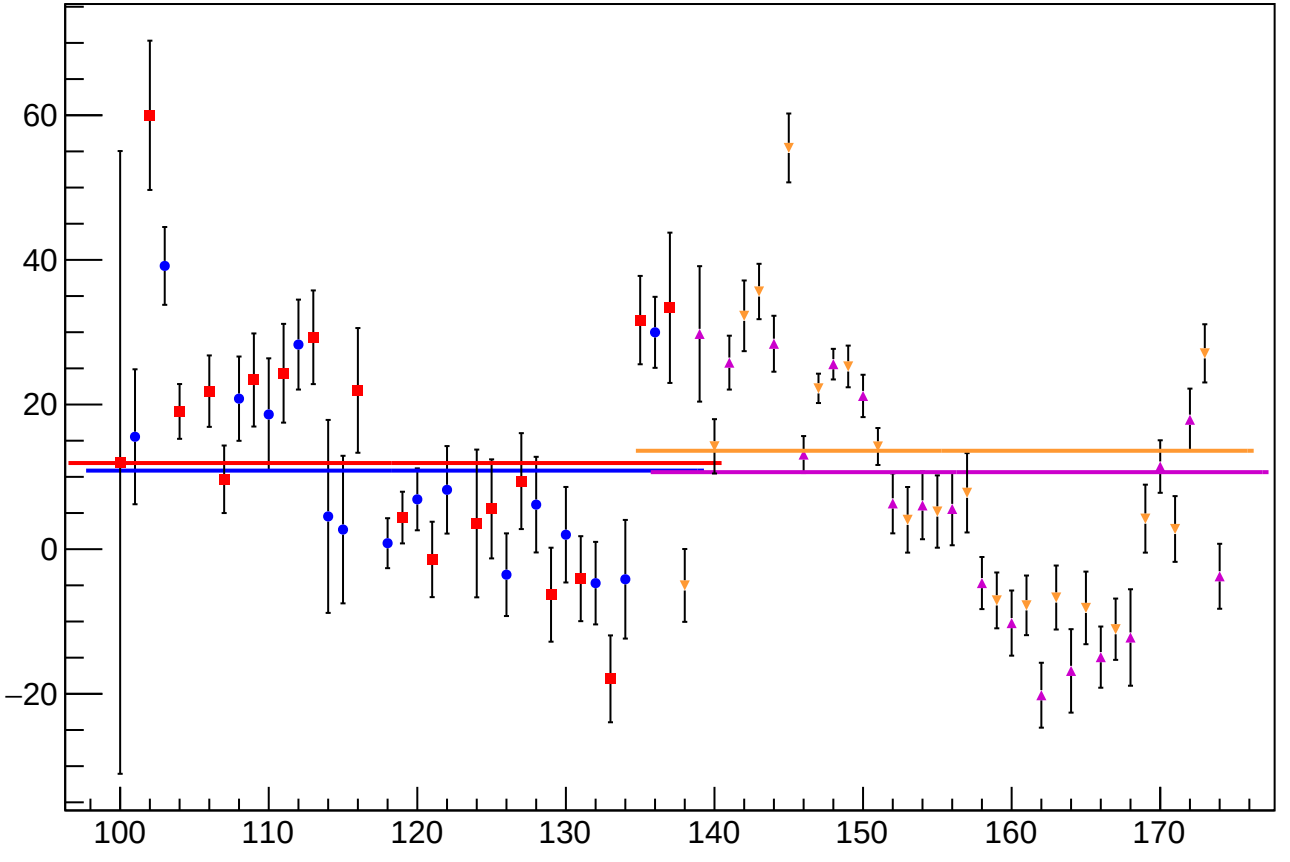
Left In: -259.003+/-1.298 χ^2/NDF:574.1/17

\+ sign -256.732+/-0.962 χ^2/NDF: 2359.1/34

All: -251.467+/-0.669 χ^2/NDF: 5559.1/71

\- 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: 13.607+/-0.867 χ^2/NDF:331.7/18

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

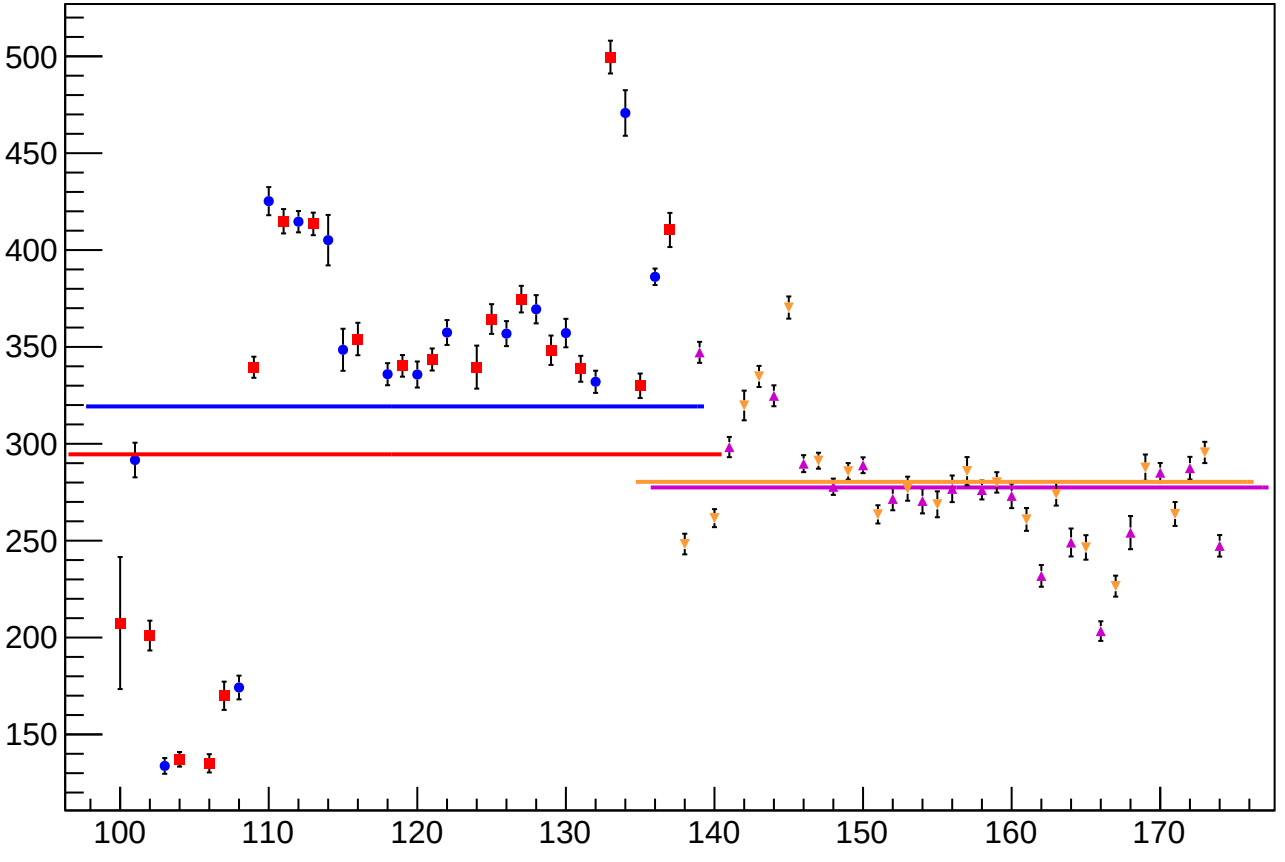
Left In: 10.651+/-0.894 χ^2/NDF:279.5/17

+ sign 12.900+/-0.747 χ^2/NDF: 419.0/34

All: 11.966+/-0.529 χ^2/NDF: 814.1/71

- 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: 280.355+/-1.267 χ^2/NDF:606.4/18

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

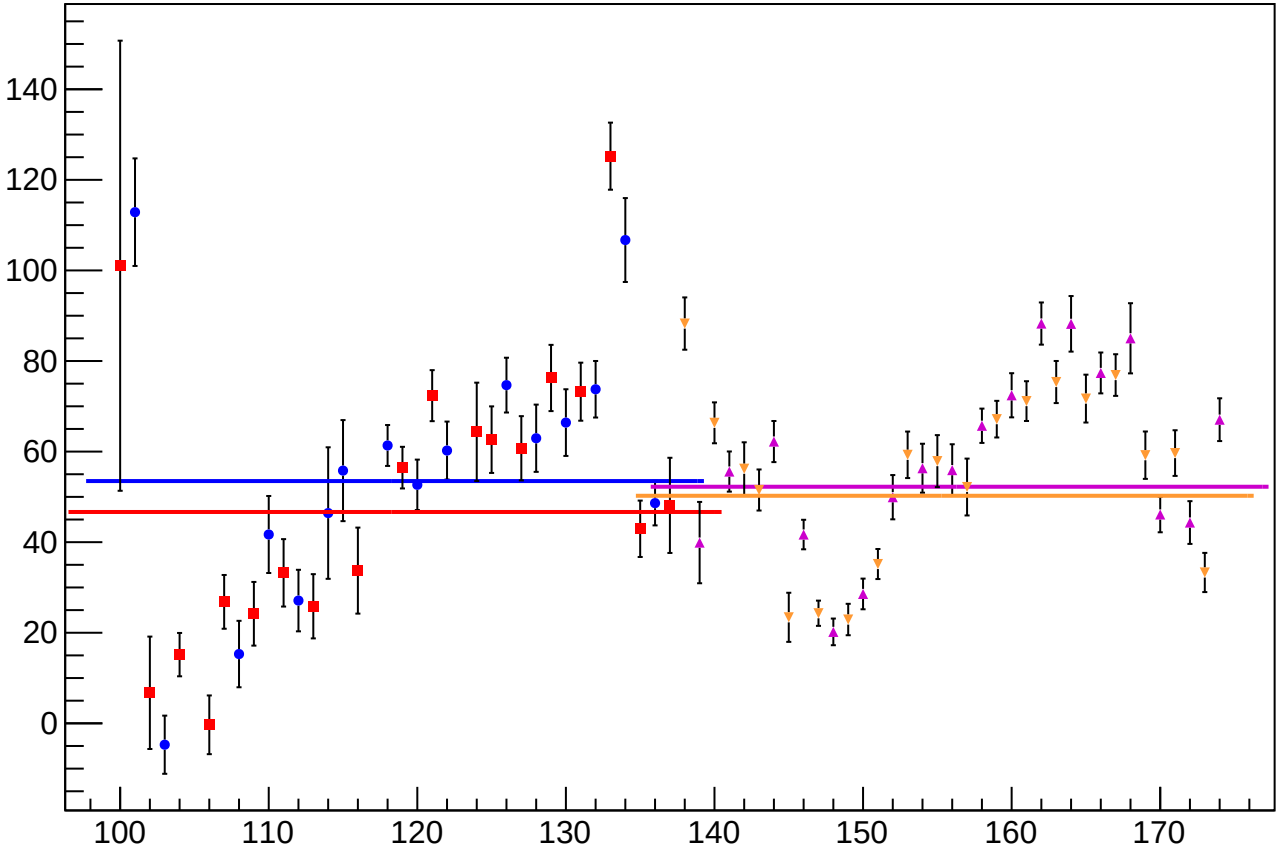
Left In: 277.468+/-1.271 χ^2/NDF:614.4/17

+ sign 295.530+/-0.990 χ^2/NDF: 4767.2/34

All: 289.982+/-0.691 χ^2/NDF: 11022.7/71

- 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: 50.245+/-1.021 χ^2/NDF:397.2/18

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

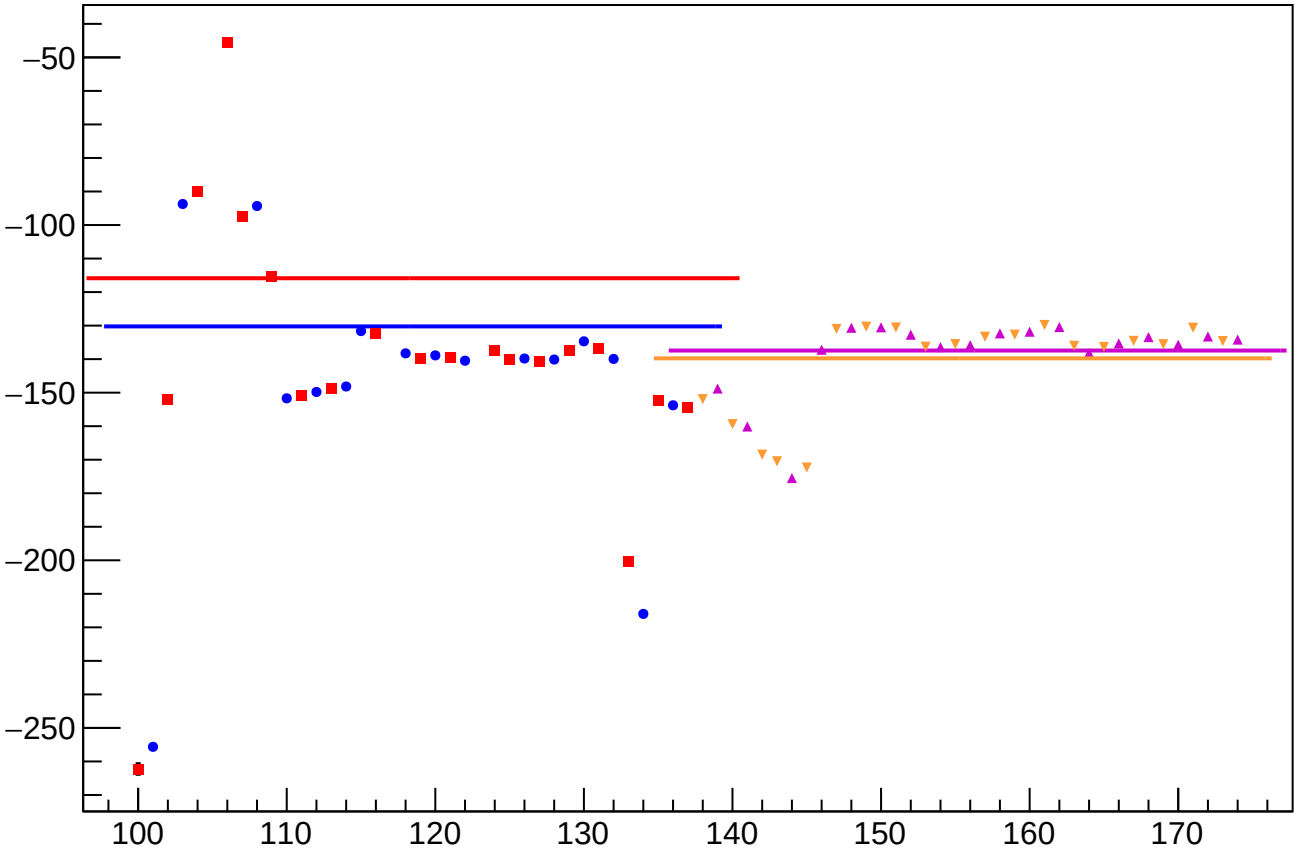
Left In: 52.239+/-1.043 χ^2/NDF:374.4/17

+ sign 51.107+/-0.875 χ^2/NDF: 617.2/34

All: 50.837+/-0.618 χ^2/NDF: 1325.9/71

- 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: -139.764+/-0.048 χ^2/NDF:76338.8/18

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

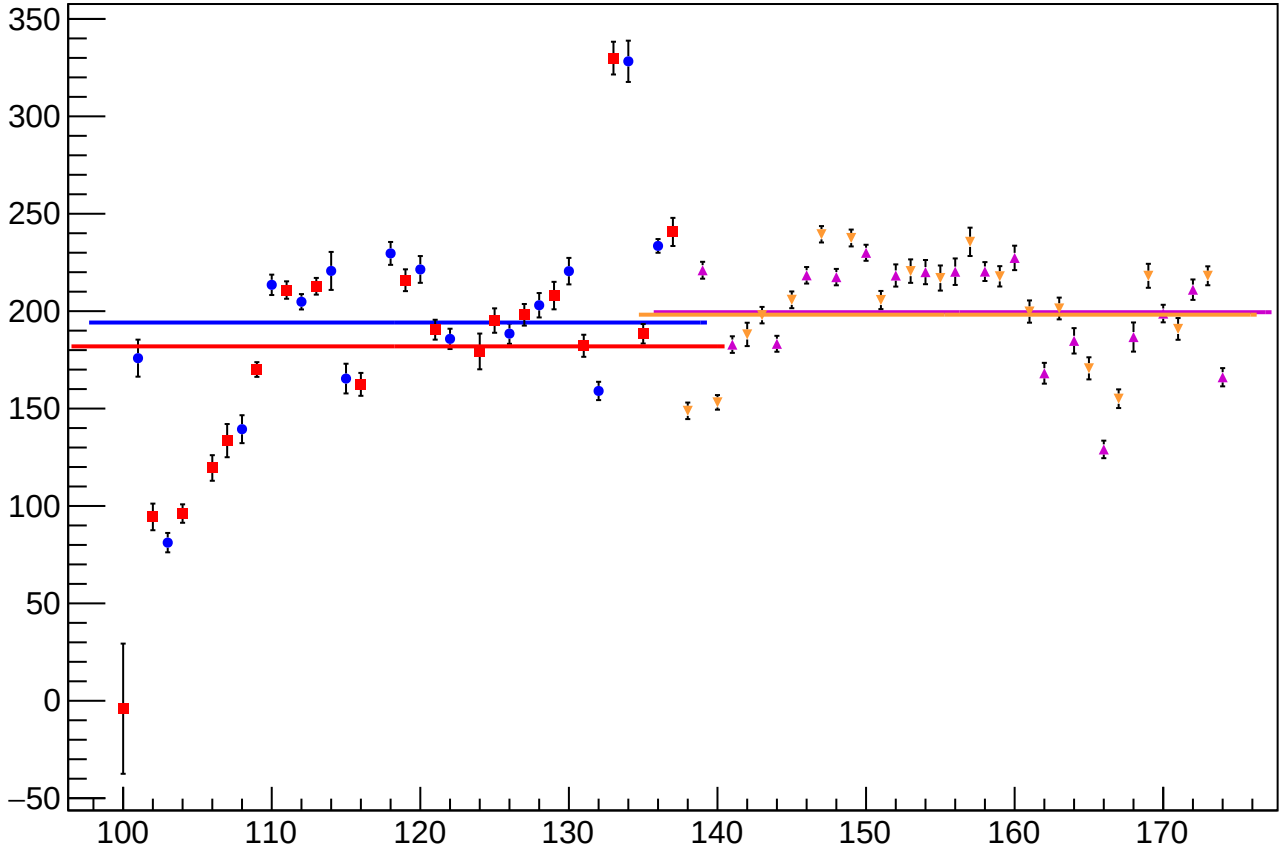
Left In: -137.437+/-0.048 χ^2/NDF:46983.6/17

+ sign -137.673+/-0.043 χ^2/NDF: 259087.6/34

All: -134.940+/-0.030 χ^2/NDF: 568326.6/71

- 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: 198.198+/-1.142 χ^2/NDF:664.1/18

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

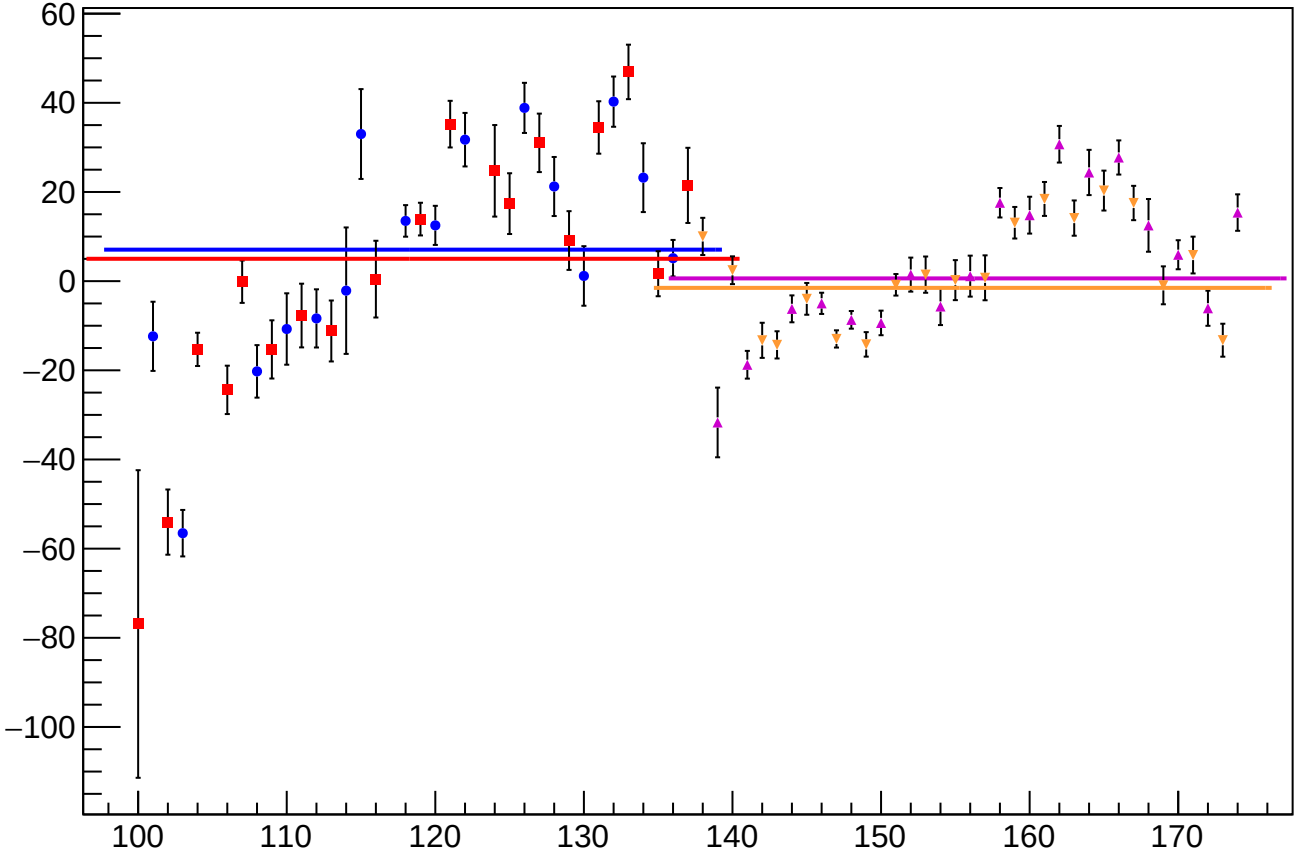
Left In: 199.461+/-1.160 χ^2/NDF:562.0/17

\+ sign 196.595+/-0.887 χ^2/NDF: 1704.3/34

All: 194.173+/-0.622 χ^2/NDF: 3585.1/71

\- 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: -1.509+/-0.779 χ^2/NDF:215.2/18

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

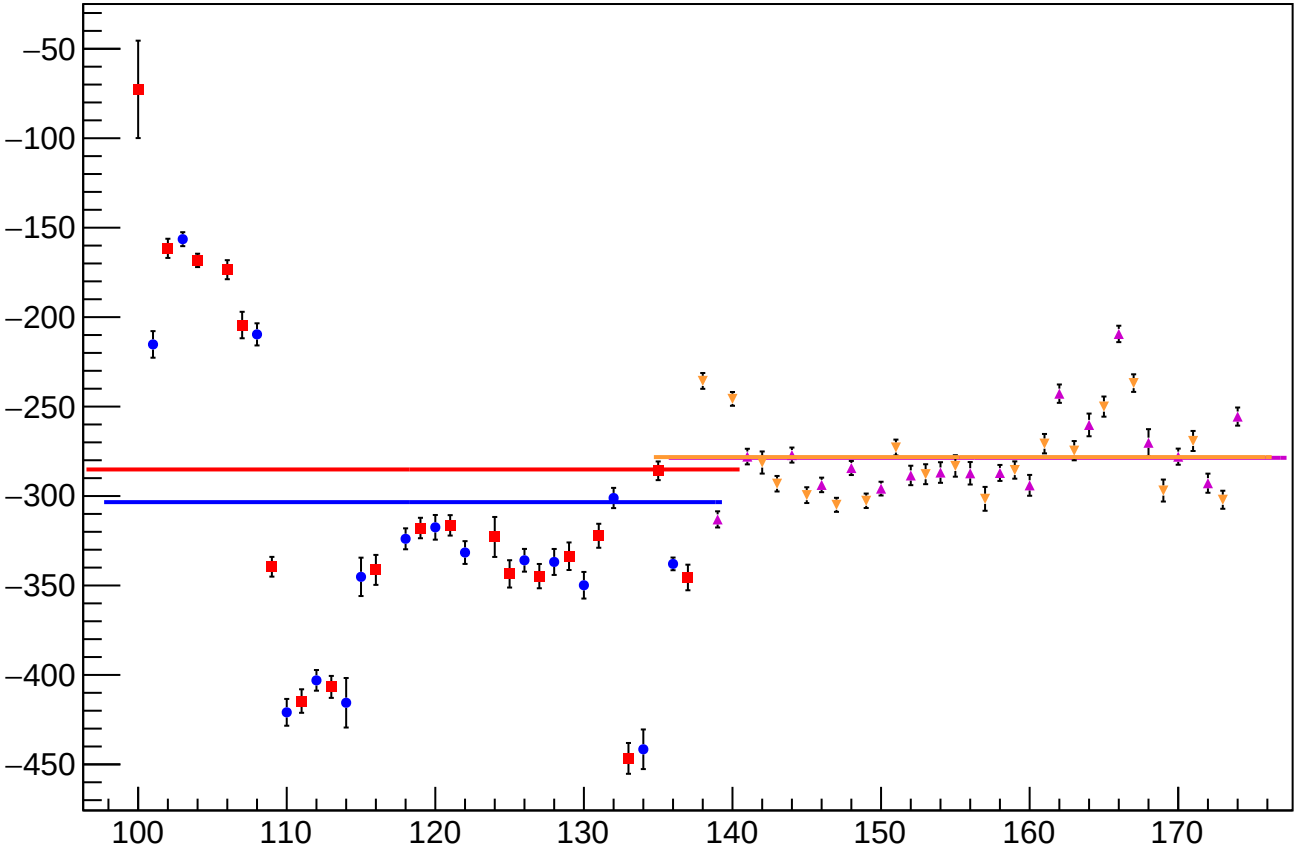
Left In: 0.616+/-0.809 χ^2/NDF:290.3/17

+ sign 0.426+/-0.685 χ^2/NDF: 535.1/34

All: 1.090+/-0.488 χ^2/NDF: 1123.6/71

- 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: -278.228+/-1.125 χ^2/NDF:433.8/18

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

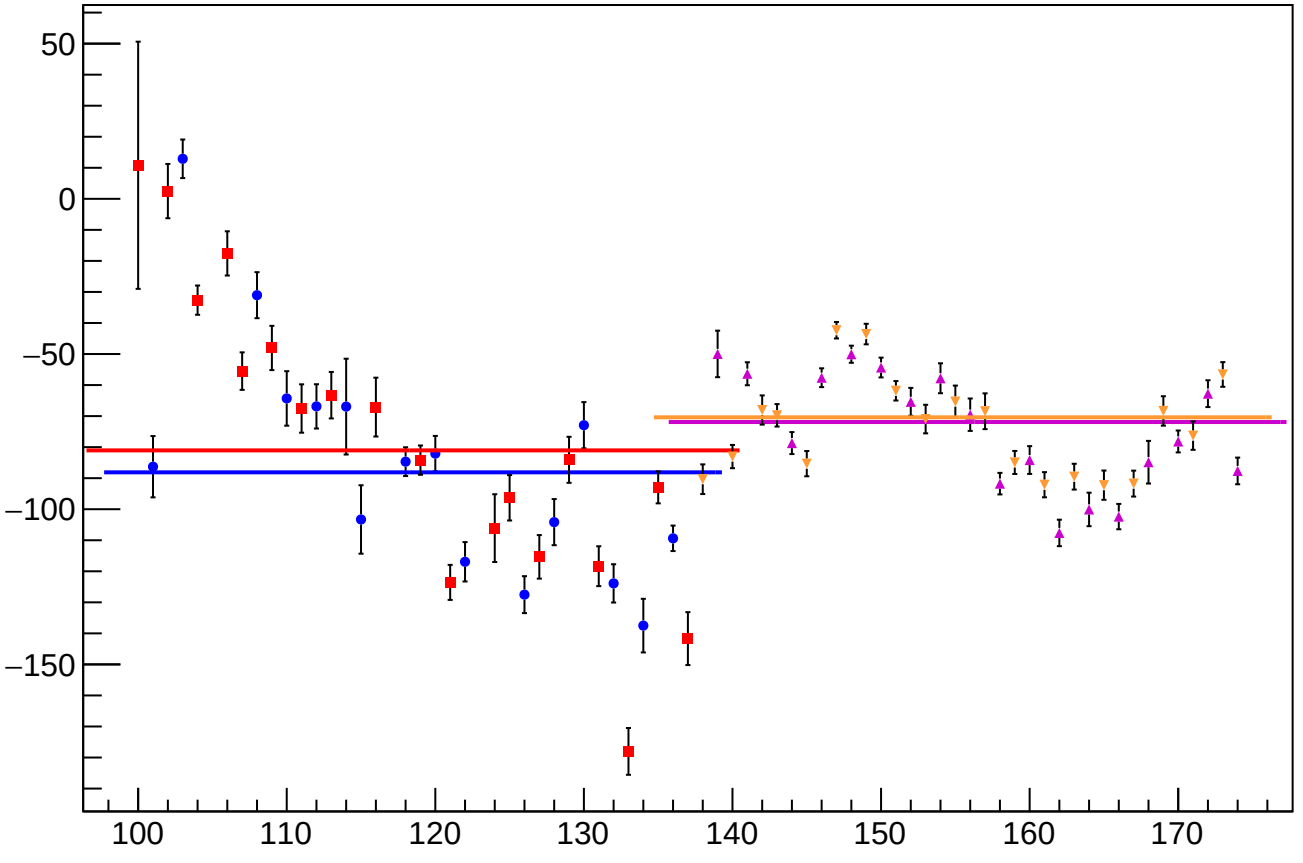
Left In: -278.637+/-1.139 χ^2/NDF:426.4/17

+ sign -287.062+/-0.906 χ^2/NDF: 3395.1/34

All: -284.057+/-0.637 χ^2/NDF: 7610.6/71

- 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: -70.393+/-0.914 χ^2/NDF:355.5/18

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

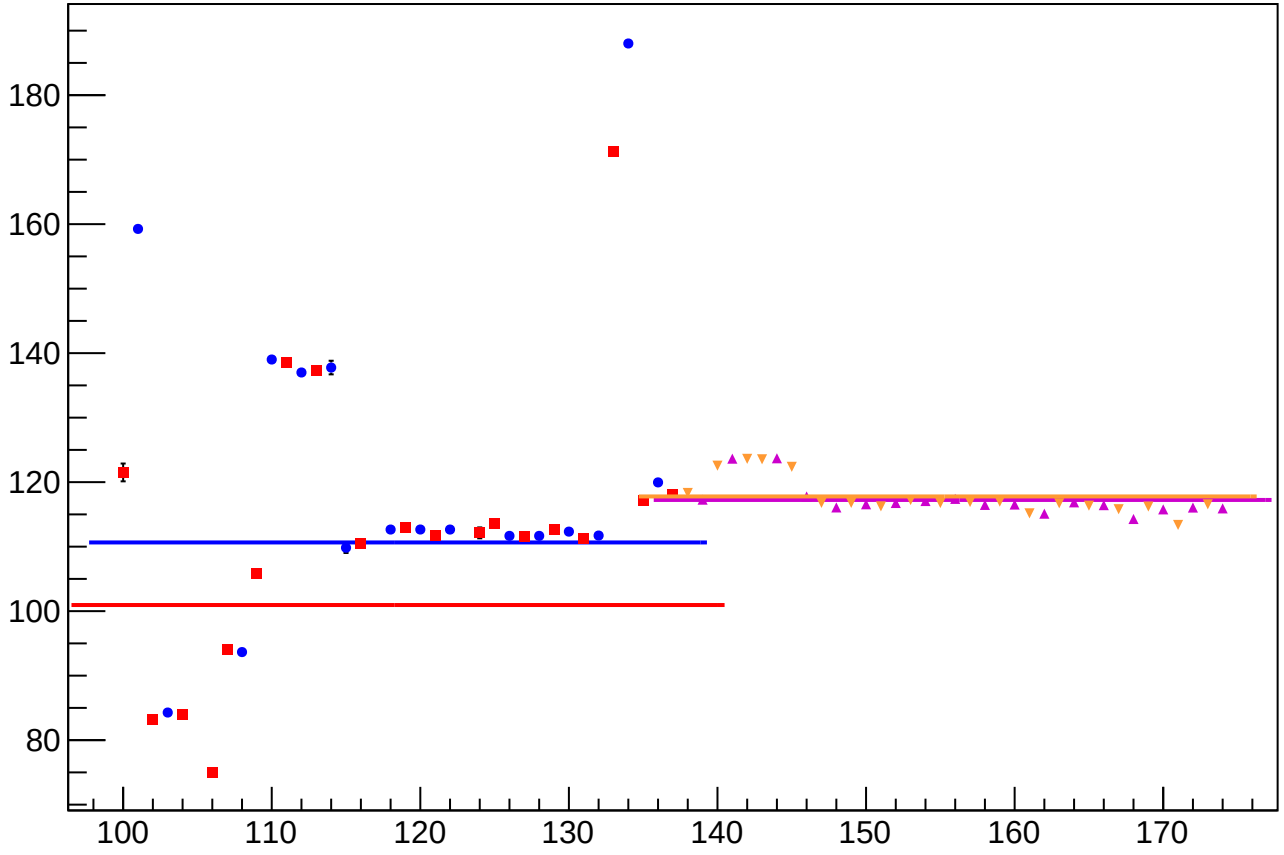
Left In: -71.911+/-0.941 χ^2/NDF:373.7/17

+ sign -74.537+/-0.800 χ^2/NDF: 955.3/34

All: -74.433+/-0.568 χ^2/NDF: 2031.5/71

- 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: 117.784+/-0.043 χ^2/NDF:4265.2/18

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

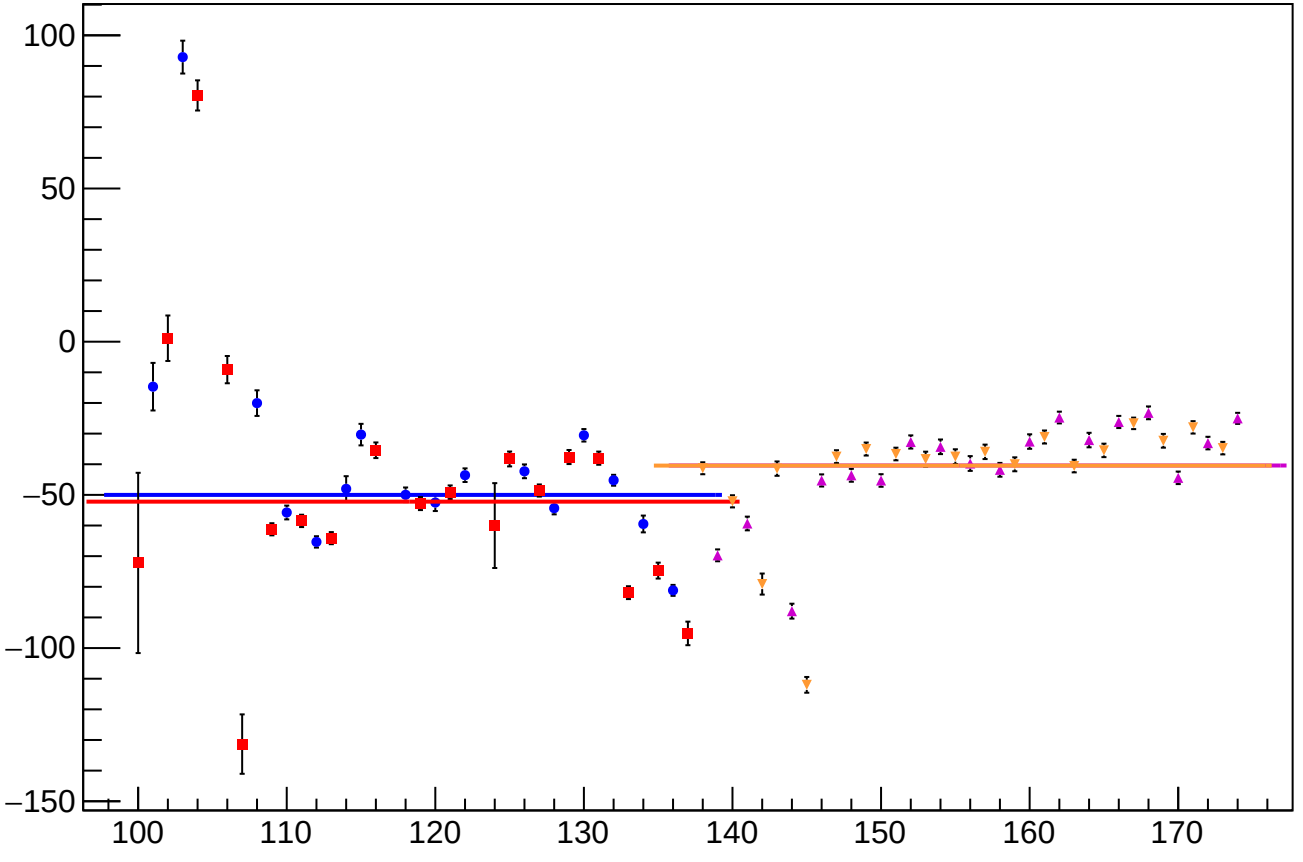
Left In: 117.240+/-0.043 χ^2/NDF:3043.6/17

+ sign 116.354+/-0.038 χ^2/NDF: 93310.0/34

All: 114.994+/-0.027 χ^2/NDF: 192438.0/71

- 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: -40.441+/-0.503 χ^2/NDF:1089.4/18

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

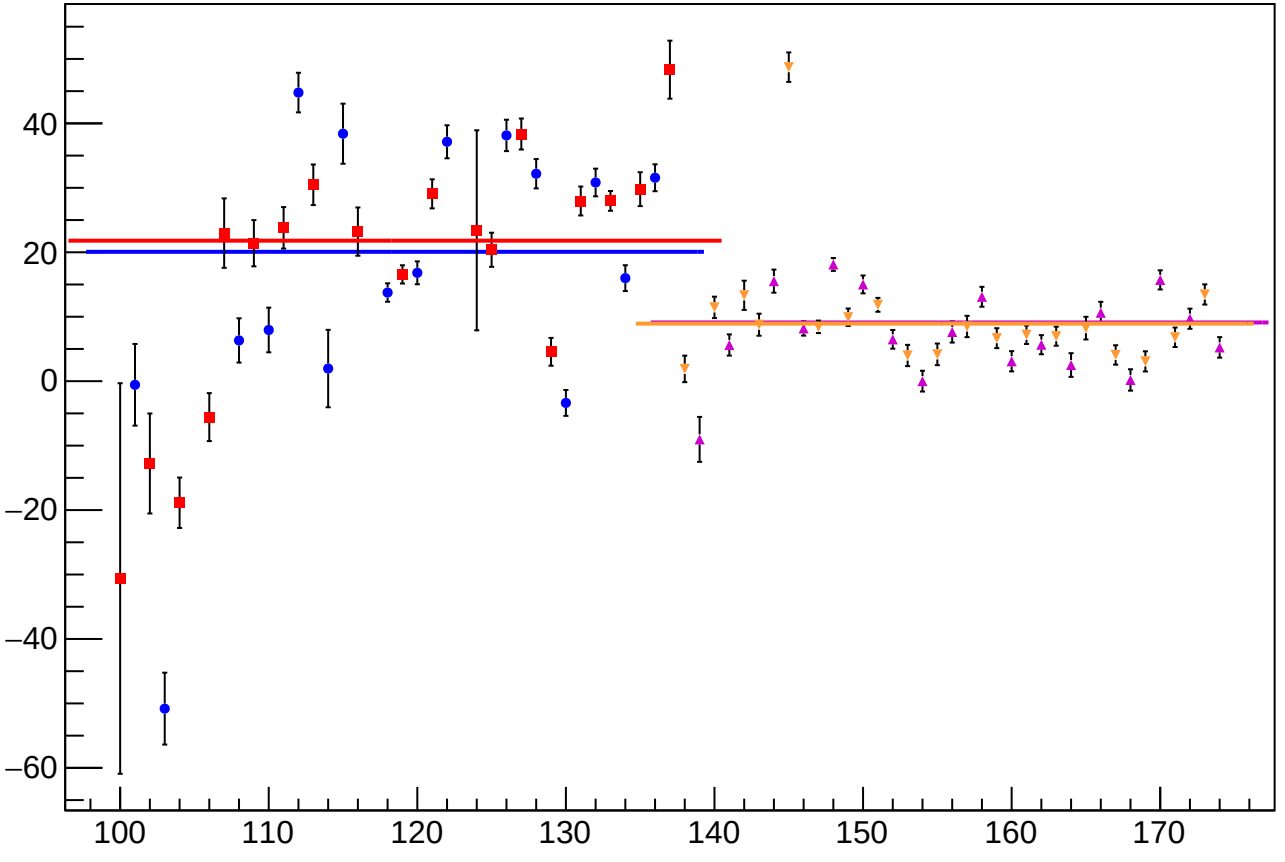
Left In: -40.411+/-0.500 χ^2/NDF:1012.8/17

+ sign -44.313+/-0.388 χ^2/NDF: 2563.2/34

All: -44.759+/-0.273 χ^2/NDF: 5374.8/71

- 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: 8.928+/-0.348 χ^2/NDF:386.5/18

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

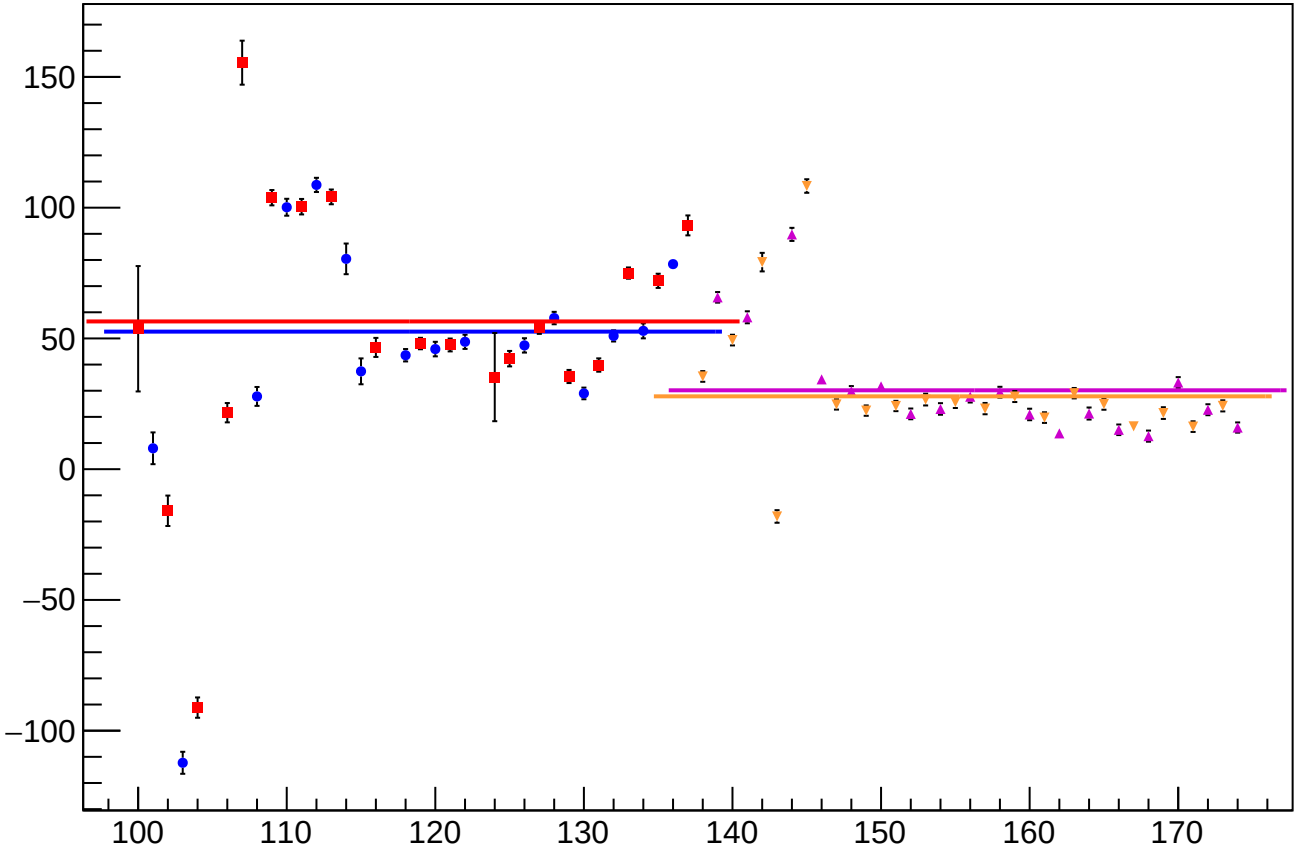
Left In: 9.110+/-0.356 χ^2/NDF:276.0/17

\+ sign 11.650+/-0.302 χ^2/NDF: 1273.3/34

All: 11.942+/-0.216 χ^2/NDF: 2260.8/71

\- 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: 27.855+/-0.493 χ^2/NDF:1773.7/18

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

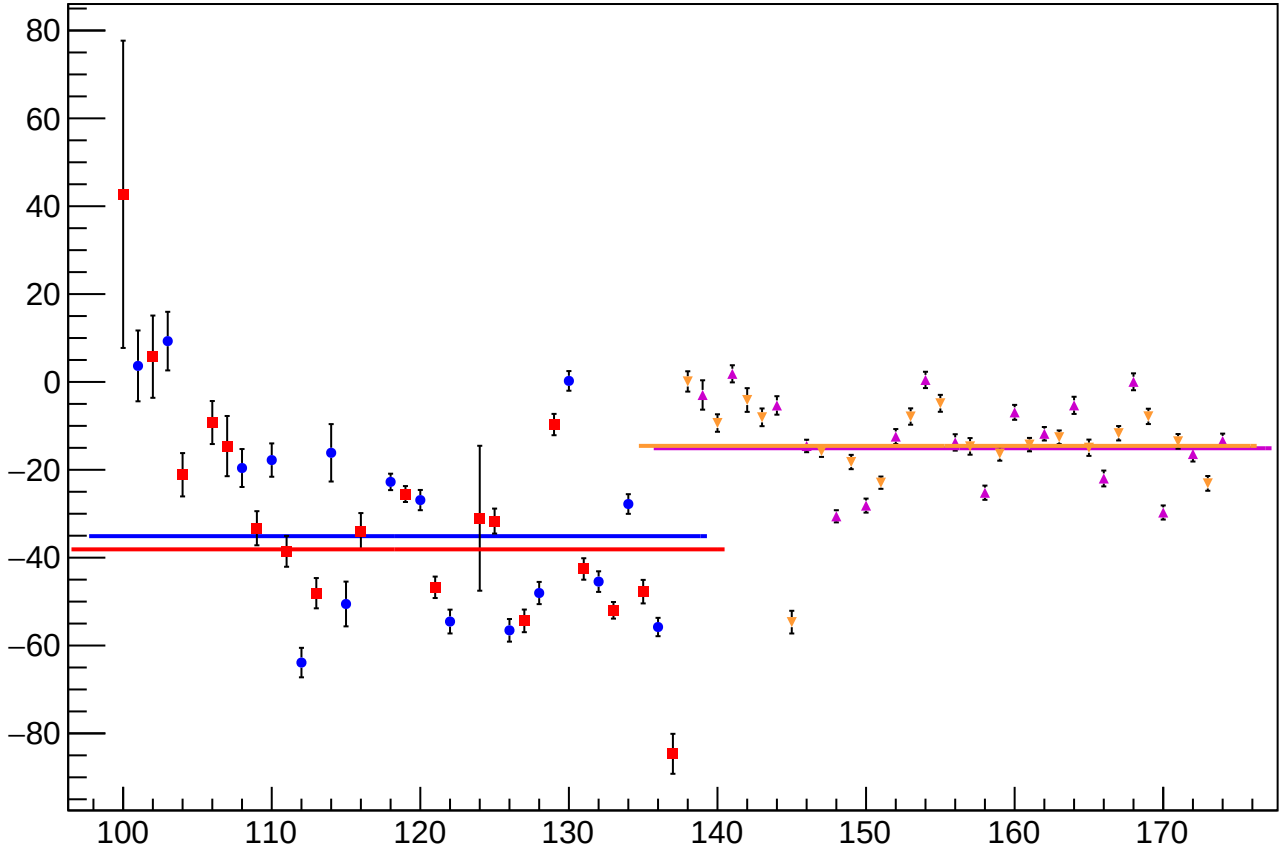
Left In: 30.164+/-0.491 χ^2/NDF:1363.6/17

\+ sign 36.112+/-0.402 χ^2/NDF: 5275.0/34

All: 37.430+/-0.285 χ^2/NDF: 10564.7/71

\- 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: -14.552+/-0.402 χ^2/NDF:440.4/18

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

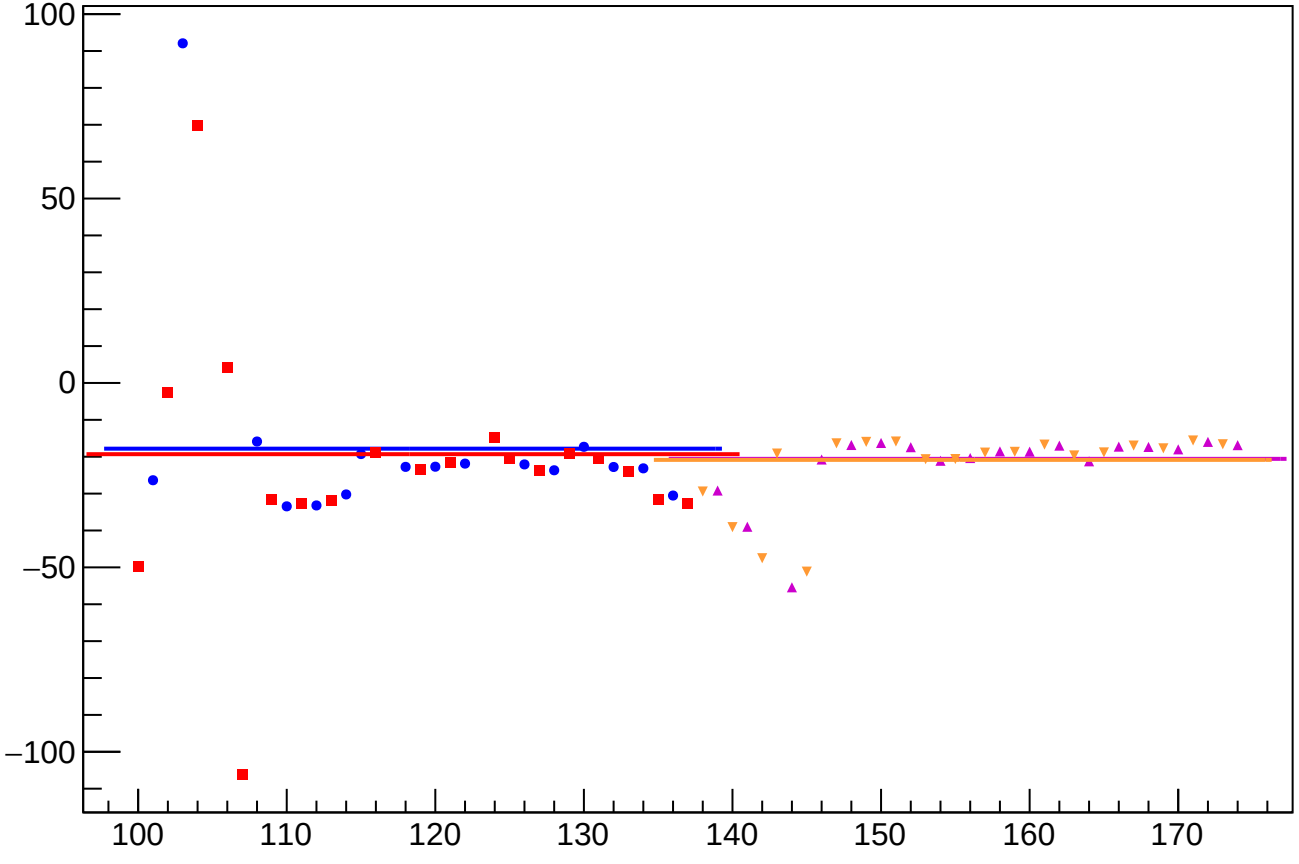
Left In: -15.093+/-0.409 χ^2/NDF:627.1/17

+ sign -19.648+/-0.349 χ^2/NDF: 1861.7/34

All: -20.204+/-0.249 χ^2/NDF: 3791.2/71

- 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: -20.853+/-0.018 χ^2/NDF:203461.6/18

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

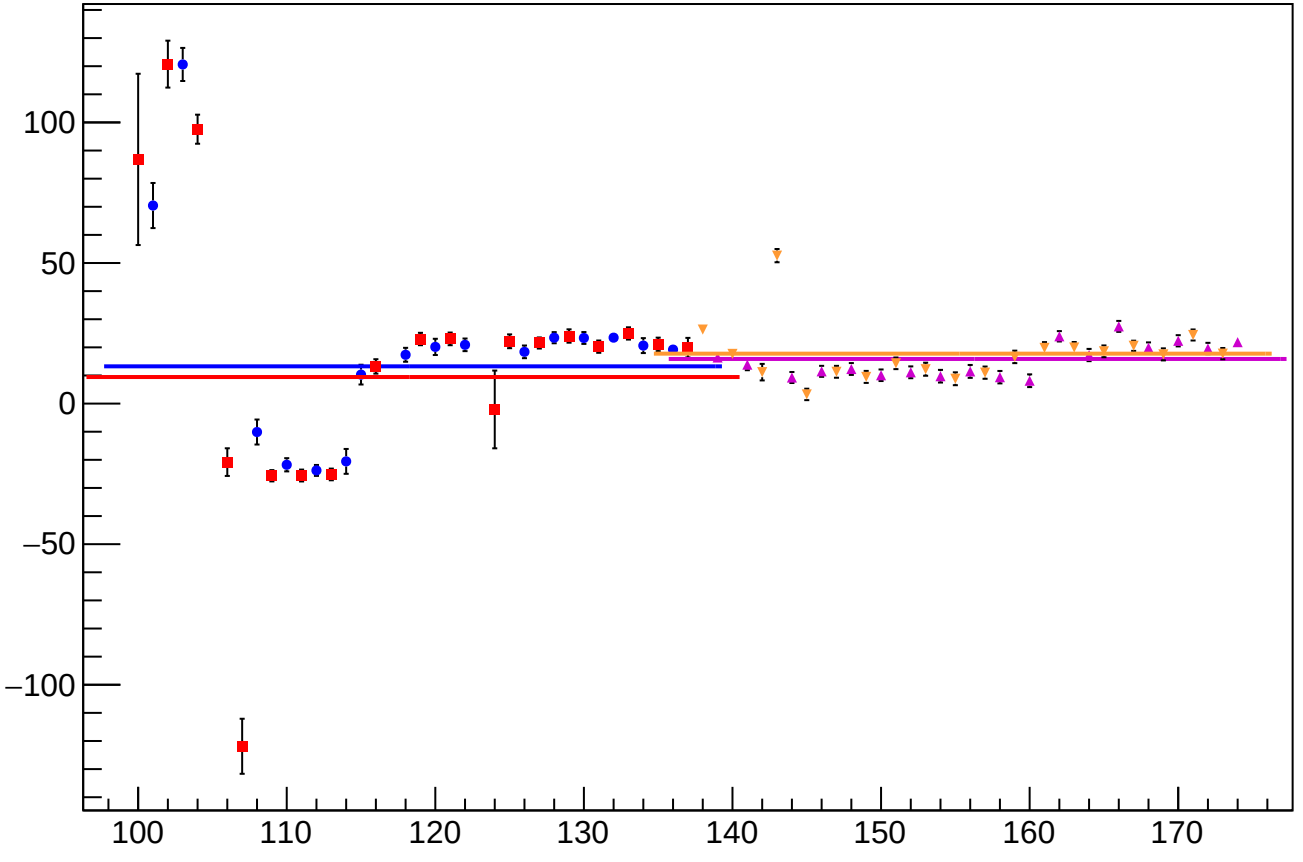
Left In: -20.576+/-0.018 χ^2/NDF:172245.6/17

+ sign -20.393+/-0.017 χ^2/NDF: 633751.4/34

All: -20.400+/-0.012 χ^2/NDF: 1151277.7/71

- 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: 17.760+/-0.477 χ^2/NDF:371.0/18

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

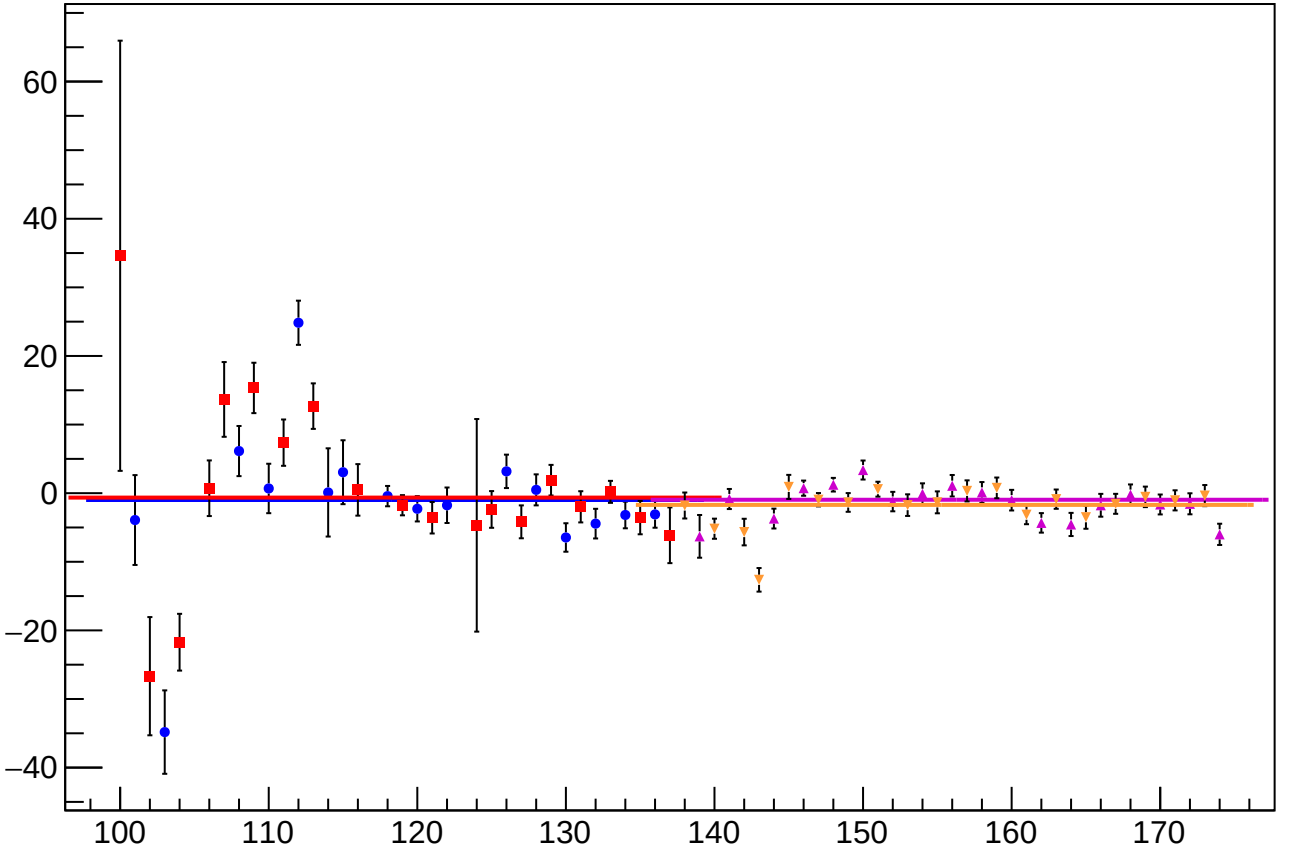
Left In: 15.874+/-0.473 χ^2/NDF:149.8/17

+ sign 16.064+/-0.377 χ^2/NDF: 1587.0/34

All: 14.768+/-0.266 χ^2/NDF: 3665.5/71

- 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: -1.709+/-0.334 χ^2/NDF:66.2/18

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

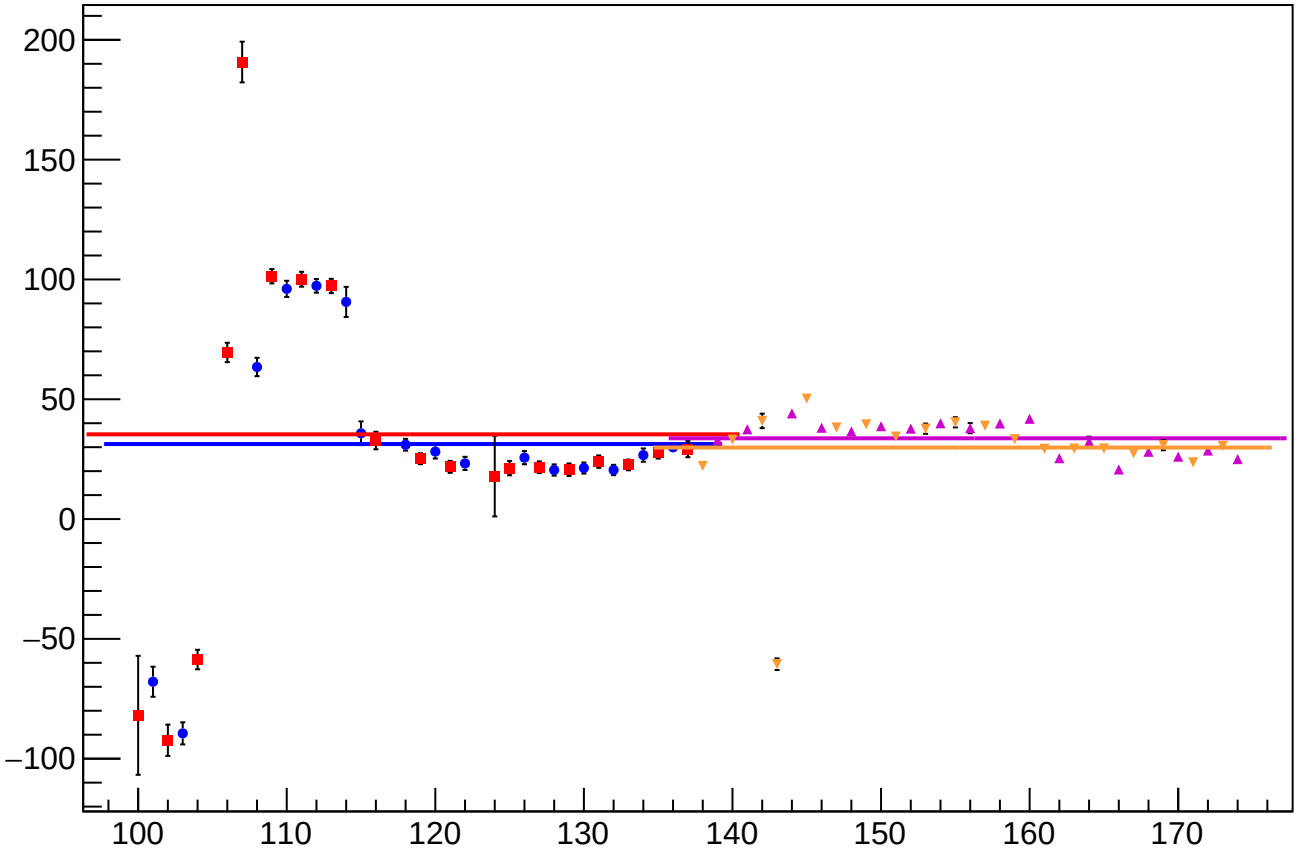
Left In: -0.959+/-0.341 χ^2/NDF:47.7/17

+ sign -1.548+/-0.294 χ^2/NDF: 183.6/34

All: -1.226+/-0.210 χ^2/NDF: 328.2/71

- 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: 29.854+/-0.468 χ^2/NDF:1638.6/18

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

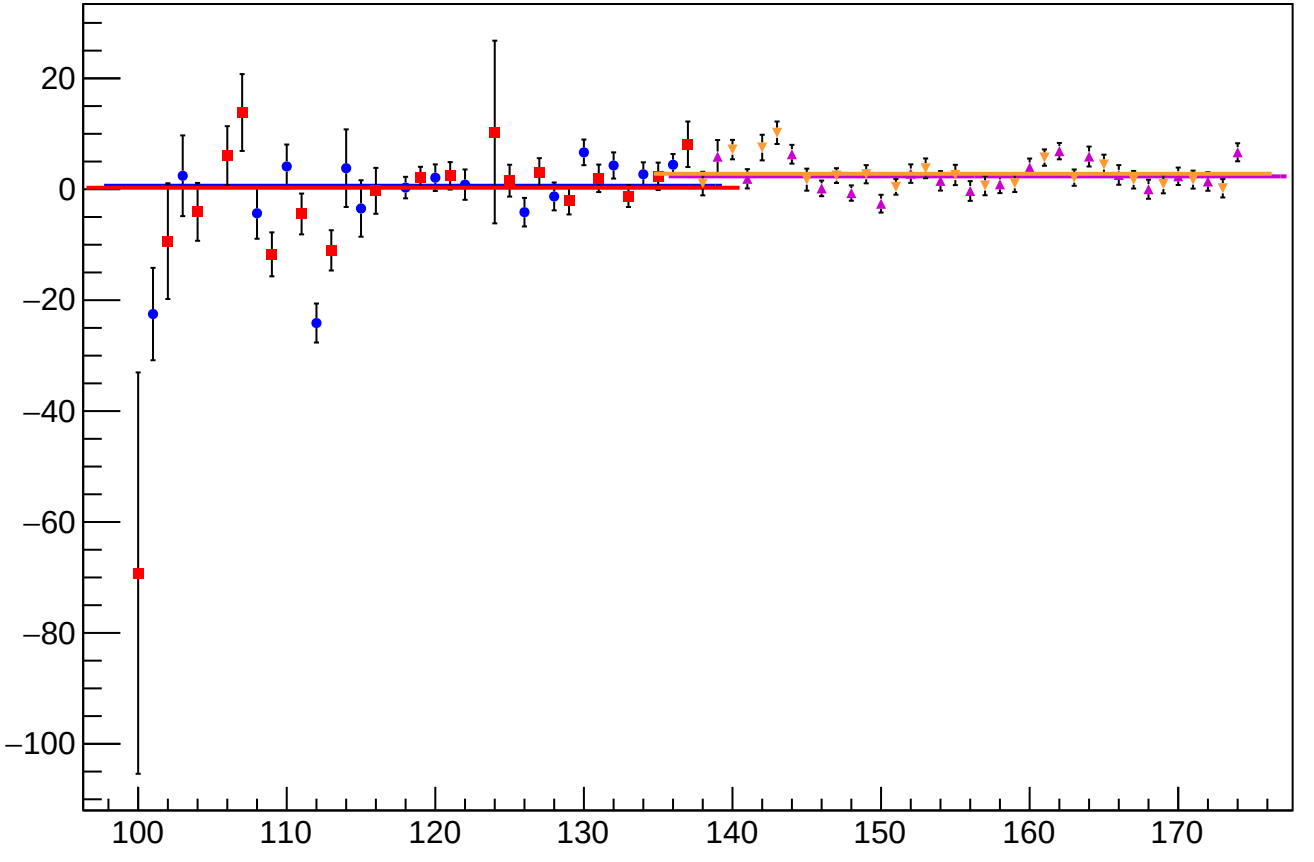
Left In: 33.705+/-0.466 χ^2/NDF:202.0/17

\+ sign 30.304+/-0.389 χ^2/NDF: 3727.5/34

All: 32.245+/-0.276 χ^2/NDF: 6880.8/71

\- 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: 2.797+/-0.385 χ^2/NDF:40.1/18

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

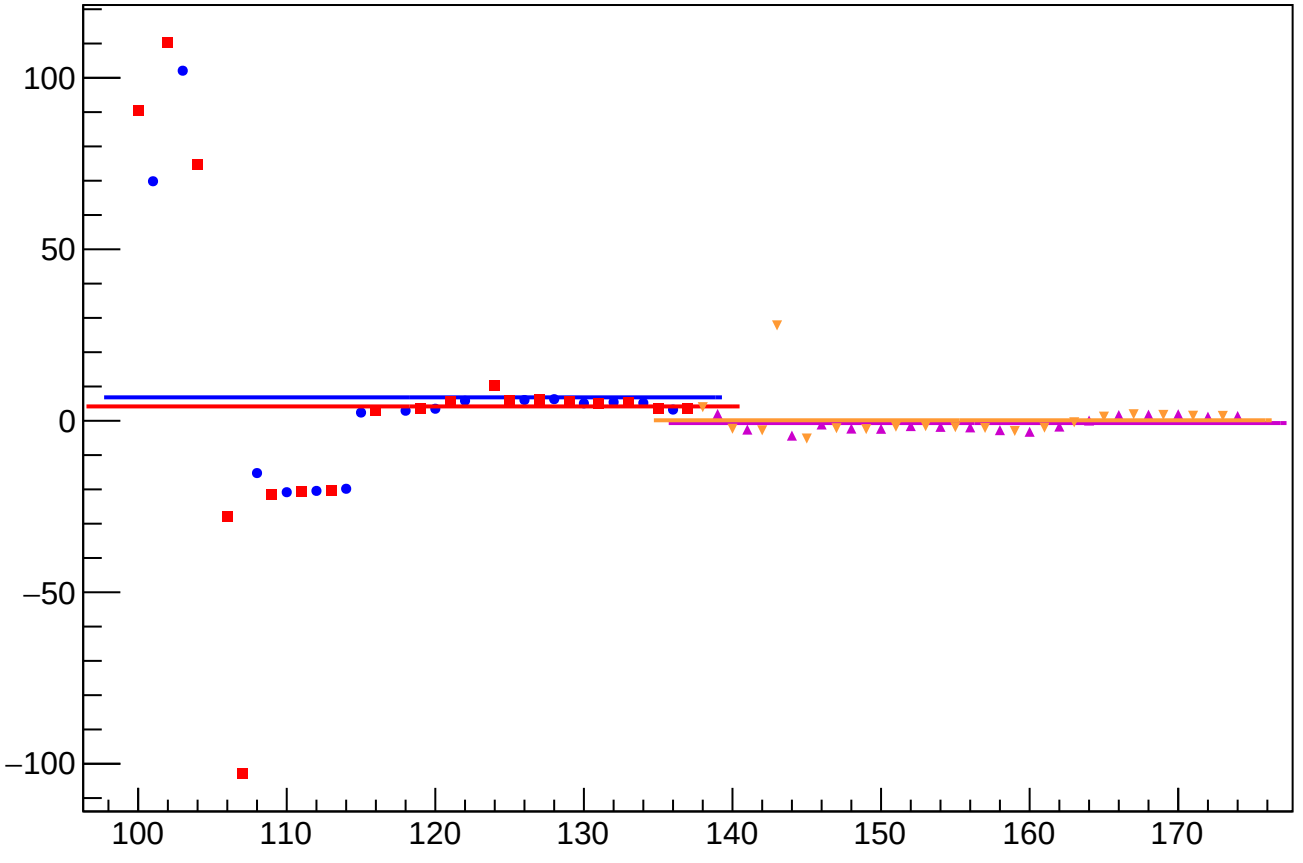
Left In: 2.327+/-0.391 χ^2/NDF:50.7/17

+ sign 2.299+/-0.338 χ^2/NDF: 125.8/34

All: 2.087+/-0.241 χ^2/NDF: 224.0/71

- 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: 0.148+/-0.017 χ^2/NDF:93569.6/18

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

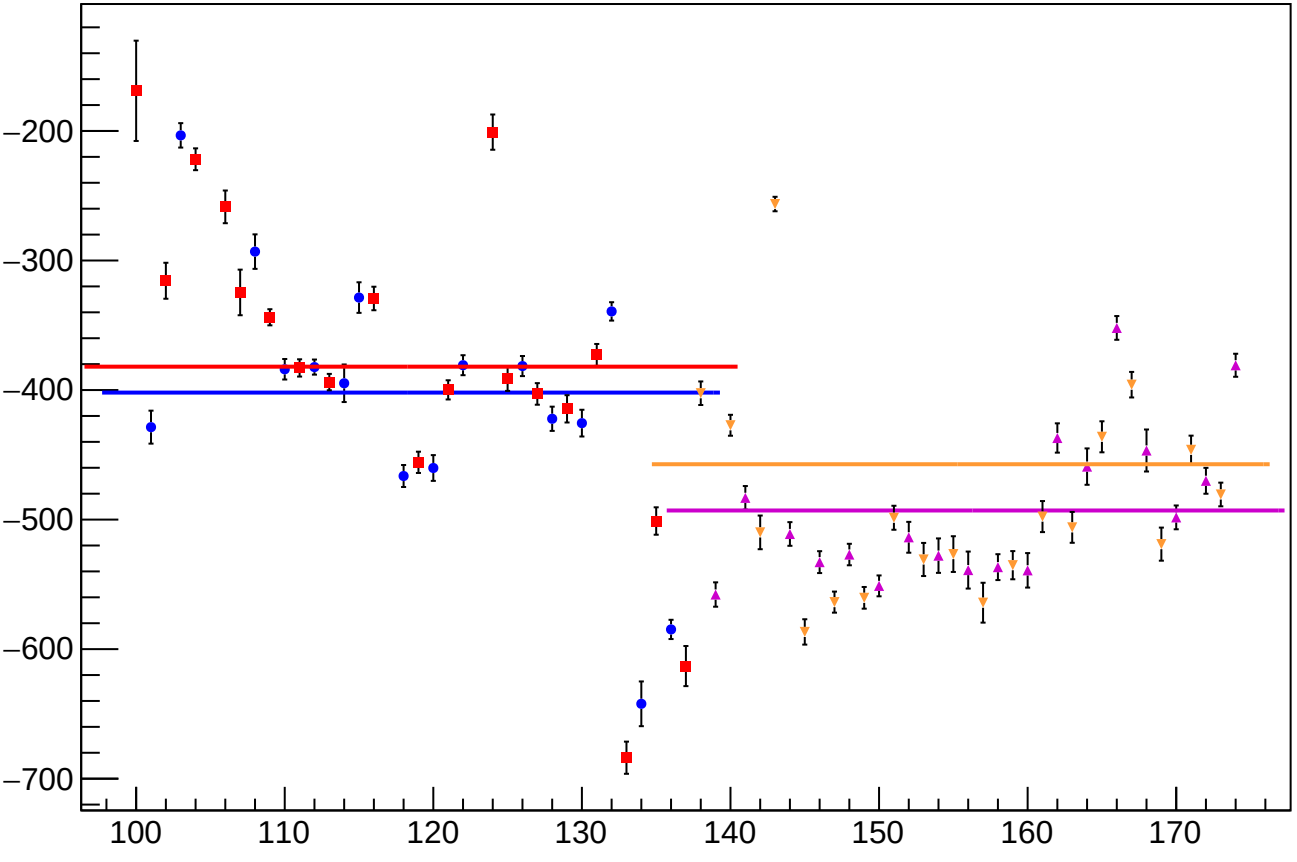
Left In: -0.661+/-0.017 χ^2/NDF:13147.6/17

+ sign 1.094+/-0.016 χ^2/NDF: 435456.6/34

All: 0.509+/-0.011 χ^2/NDF: 895437.1/71

- 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: -457.264+/-2.244 χ^2/NDF:2135.9/18

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

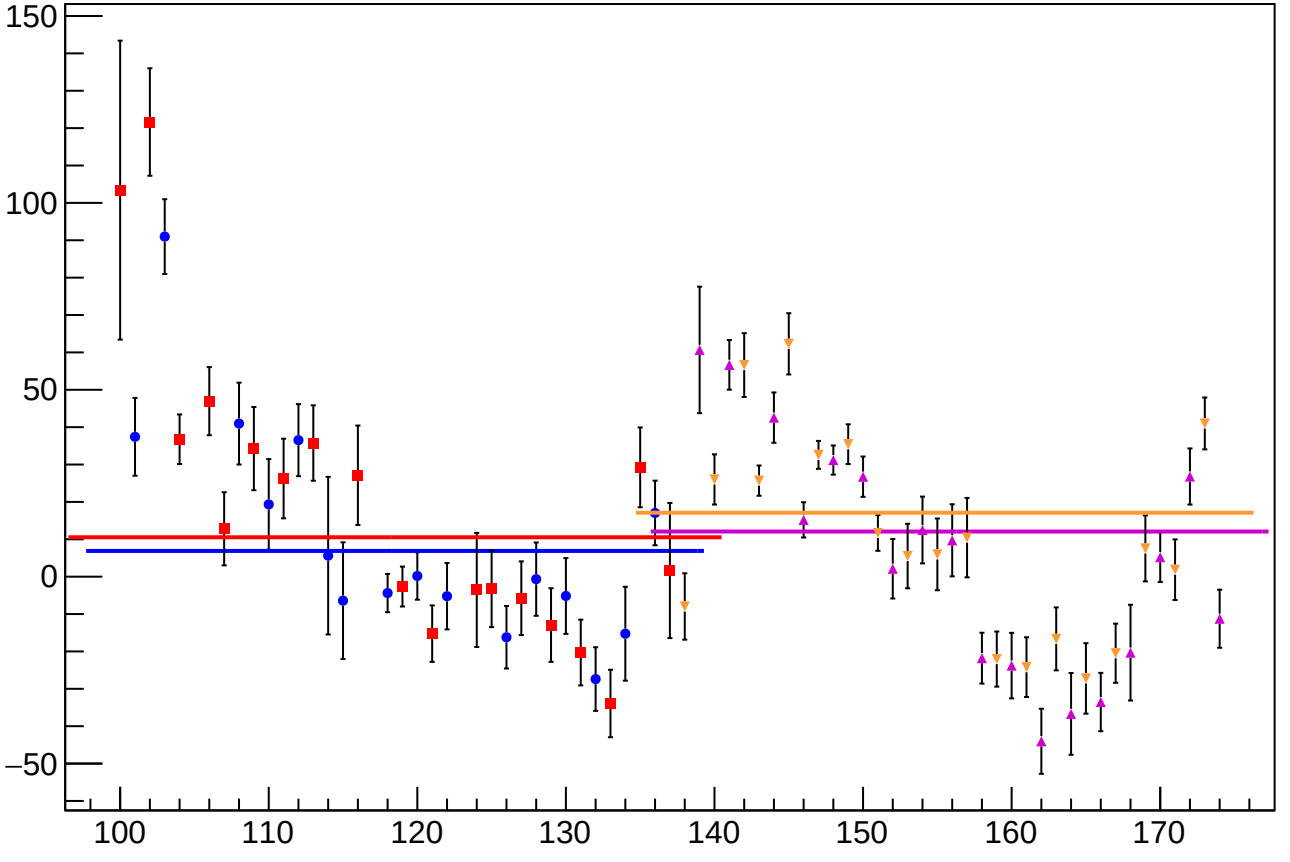
Left In: -492.970+/-2.386 χ^2/NDF:635.1/17

\+ sign -429.516+/-1.584 χ^2/NDF: 4003.9/34

All: -430.281+/-1.121 χ^2/NDF: 7664.8/71

\- 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: 17.113+/-1.520 χ^2/NDF:232.2/18

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

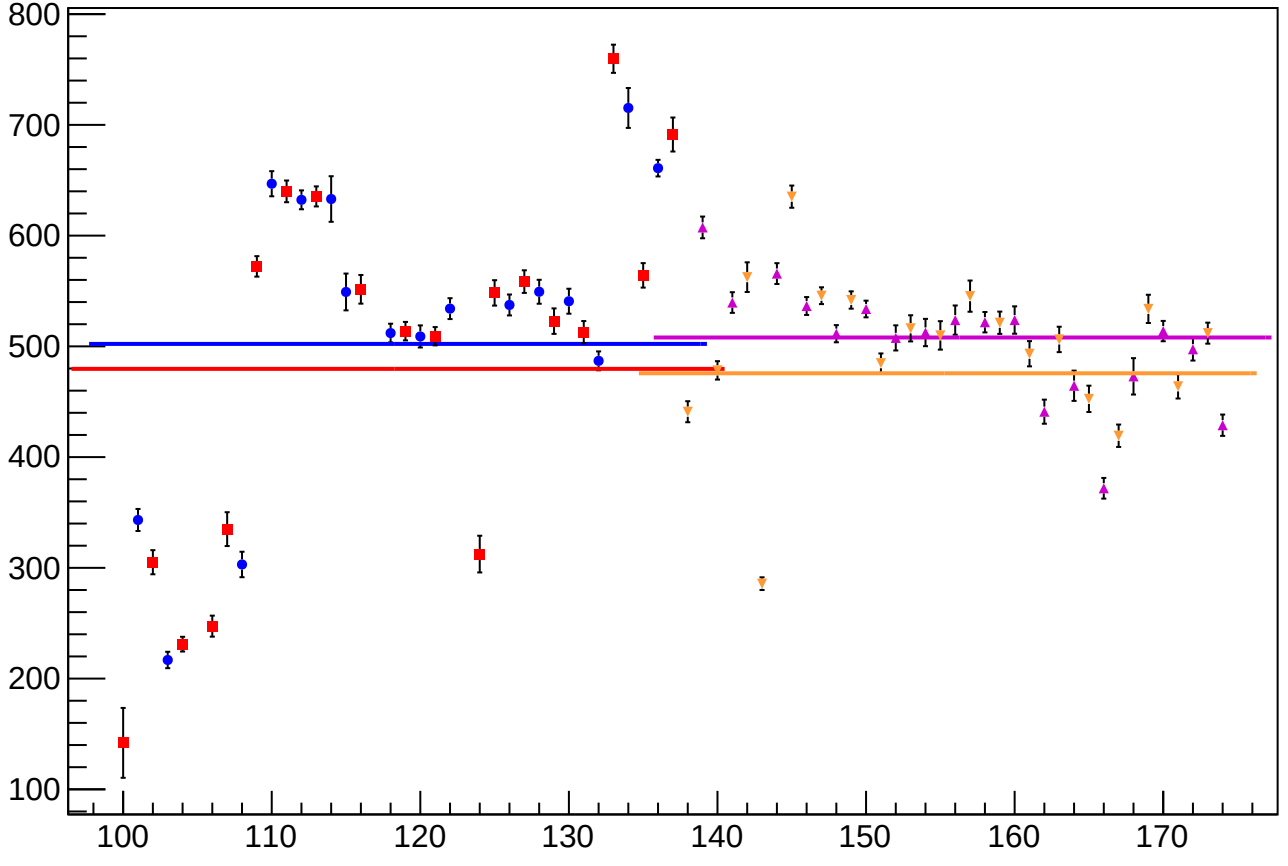
Left In: 12.077+/-1.649 χ^2/NDF:264.8/17

+ sign 13.937+/-1.262 χ^2/NDF: 384.7/34

All: 12.783+/-0.912 χ^2/NDF: 831.5/71

- 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: 475.689+/-2.215 χ^2/NDF:1705.3/18

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

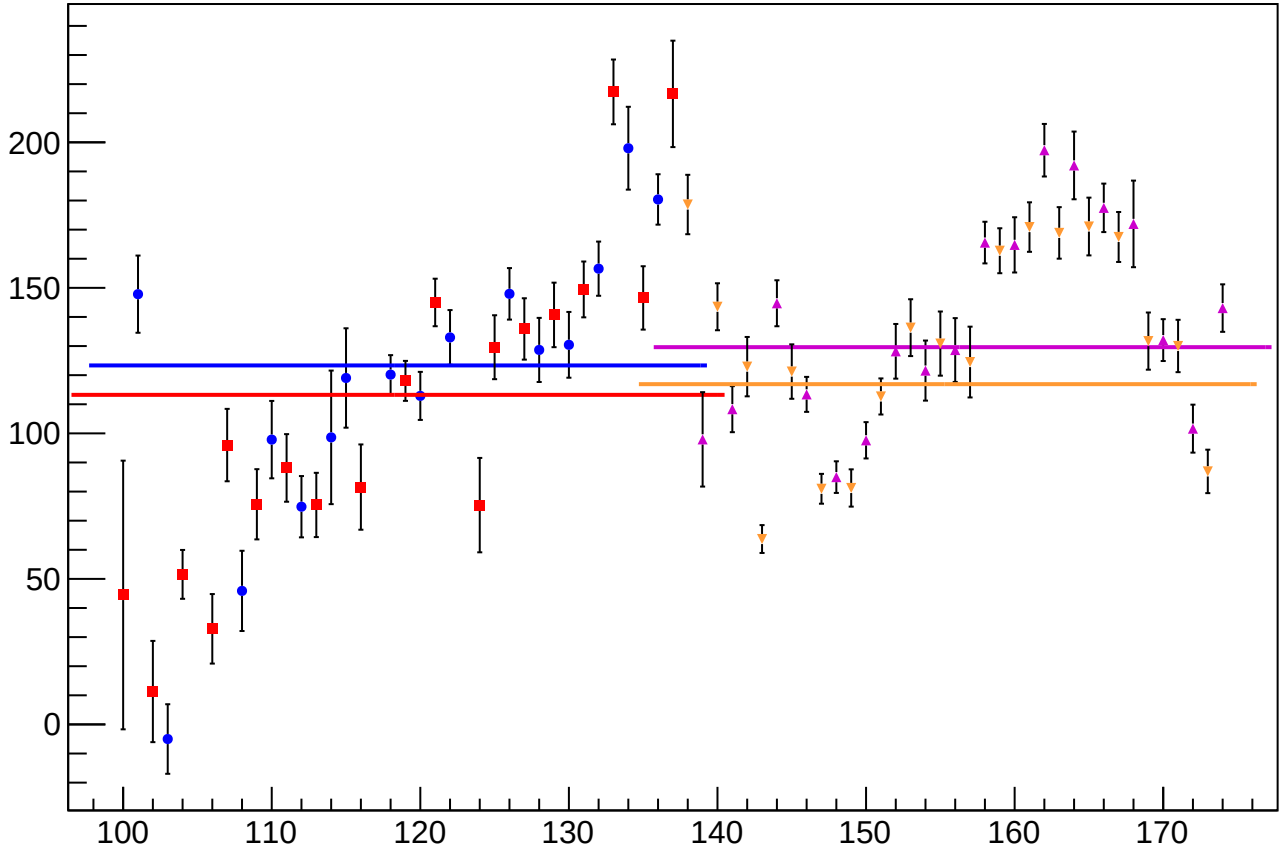
Left In: 508.005+/-2.341 χ^2/NDF:515.8/17

+ sign 487.390+/-1.656 χ^2/NDF: 4903.8/34

All: 490.747+/-1.178 χ^2/NDF: 9637.8/71

- 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: 116.909+/-1.792 χ^2/NDF:453.1/18

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

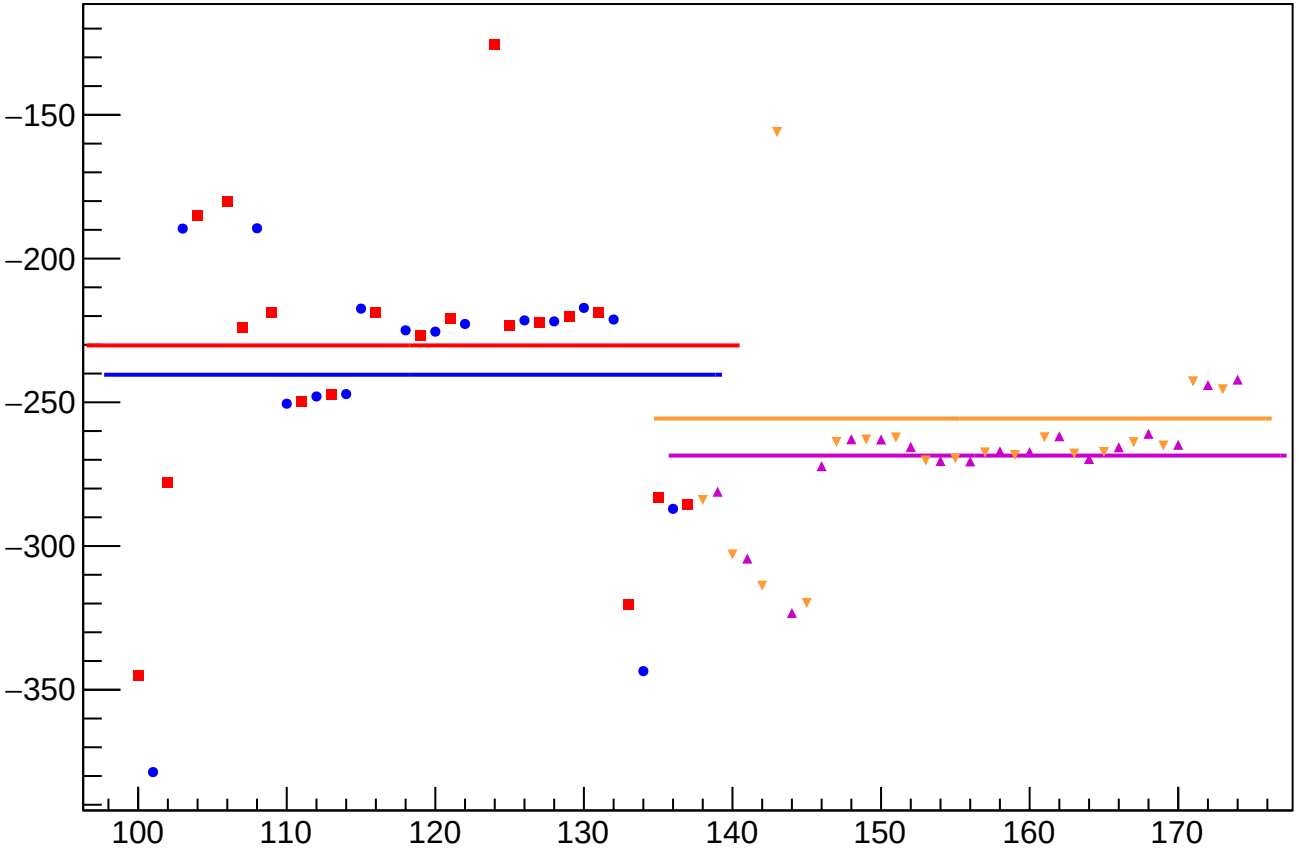
Left In: 129.621+/-1.923 χ^2/NDF:295.9/17

+ sign 118.953+/-1.481 χ^2/NDF: 728.6/34

All: 121.225+/-1.065 χ^2/NDF: 1401.5/71

- 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: -255.655+/-0.085 χ^2/NDF:243223.1/18

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

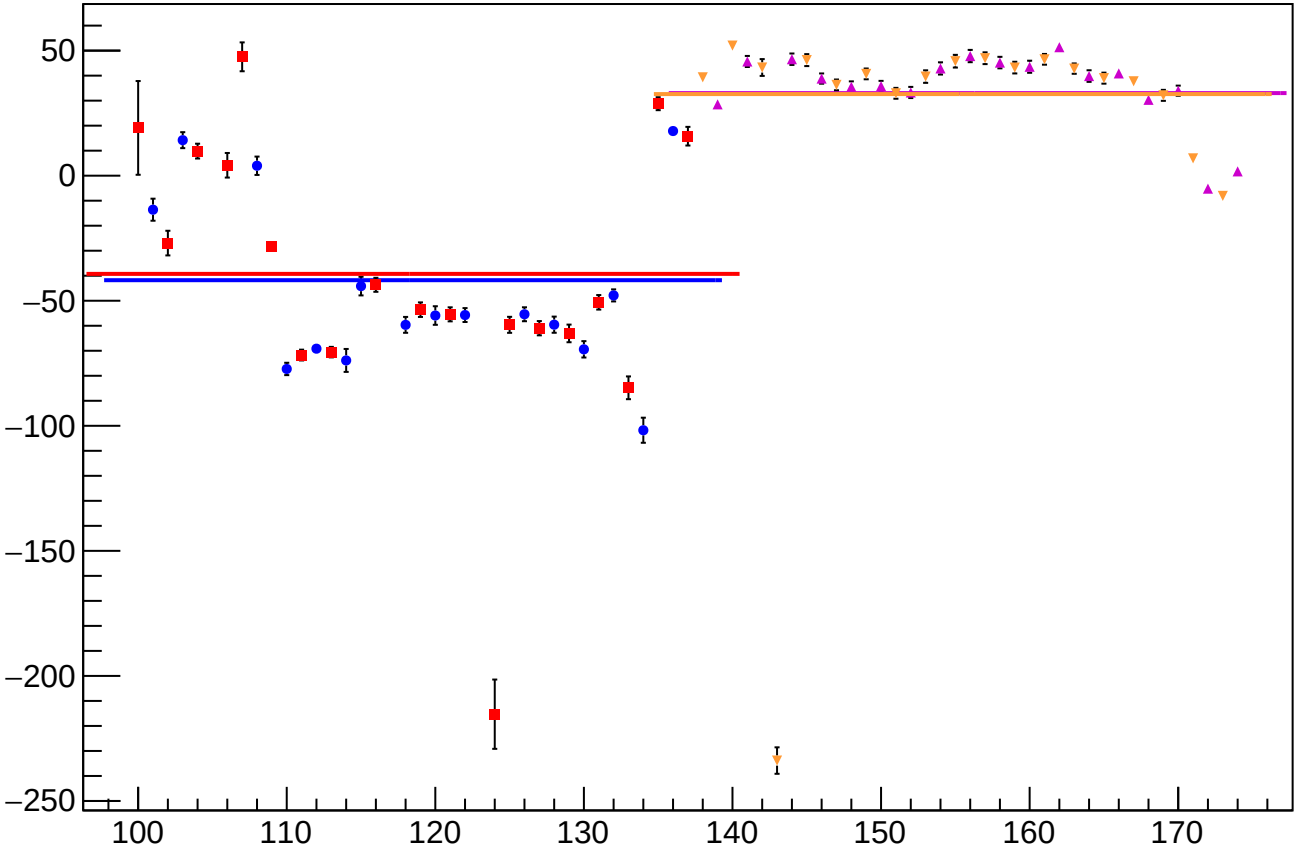
Left In: -268.531+/-0.088 χ^2/NDF:39563.7/17

+ sign -251.951+/-0.074 χ^2/NDF: 385129.9/34

All: -255.092+/-0.053 χ^2/NDF: 562013.1/71

- 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: 32.624+/-0.508 χ^2/NDF:3543.6/18

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

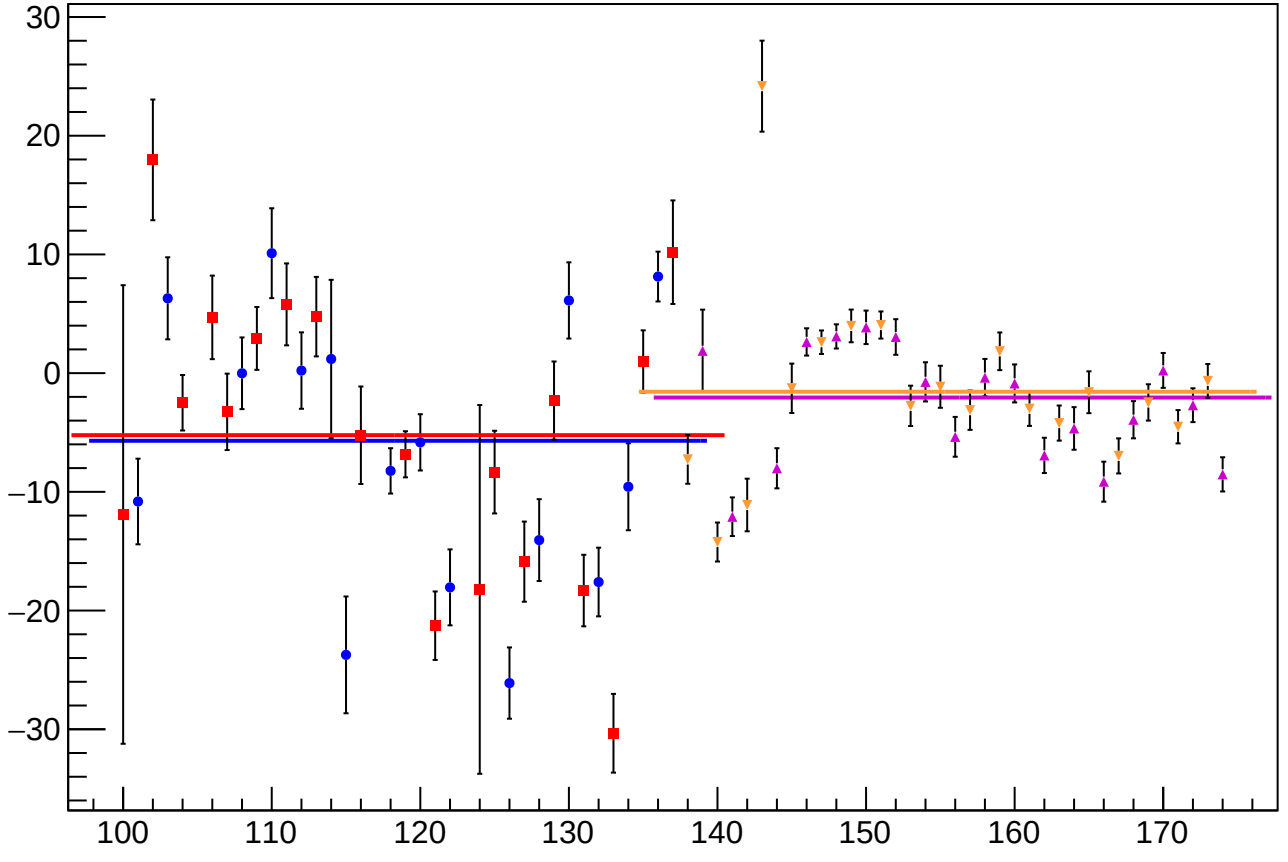
Left In: 33.018+/-0.493 χ^2/NDF:1082.0/17

\+ sign 8.012+/-0.416 χ^2/NDF: 13035.6/34

All: 8.046+/-0.288 χ^2/NDF: 24004.1/71

\- 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: -1.567+/-0.354 χ^2/NDF:217.7/18

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

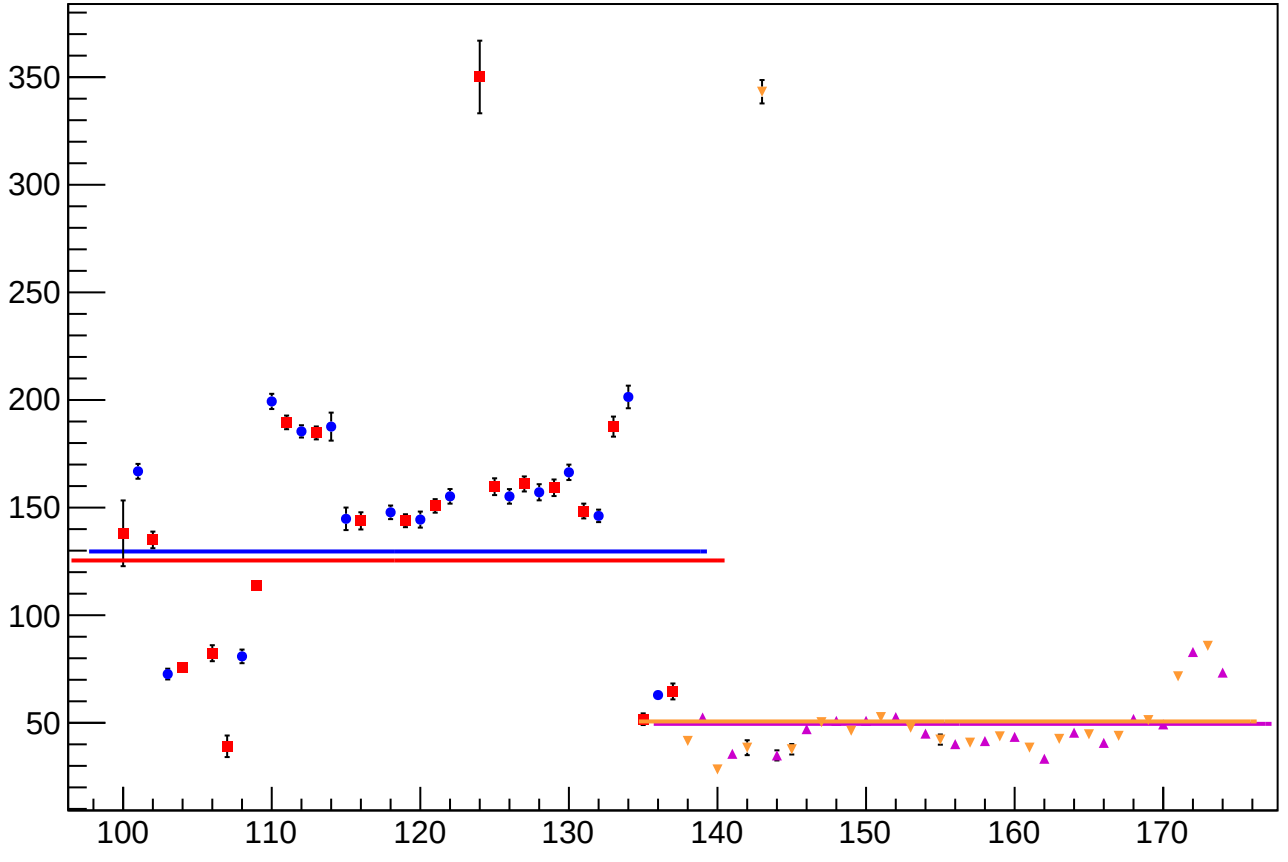
Left In: -2.057+/-0.355 χ^2/NDF:184.1/17

+ sign -2.314+/-0.320 χ^2/NDF: 439.1/34

All: -2.482+/-0.226 χ^2/NDF: 836.0/71

- 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: 50.639+/-0.498 χ^2/NDF:3650.8/18

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

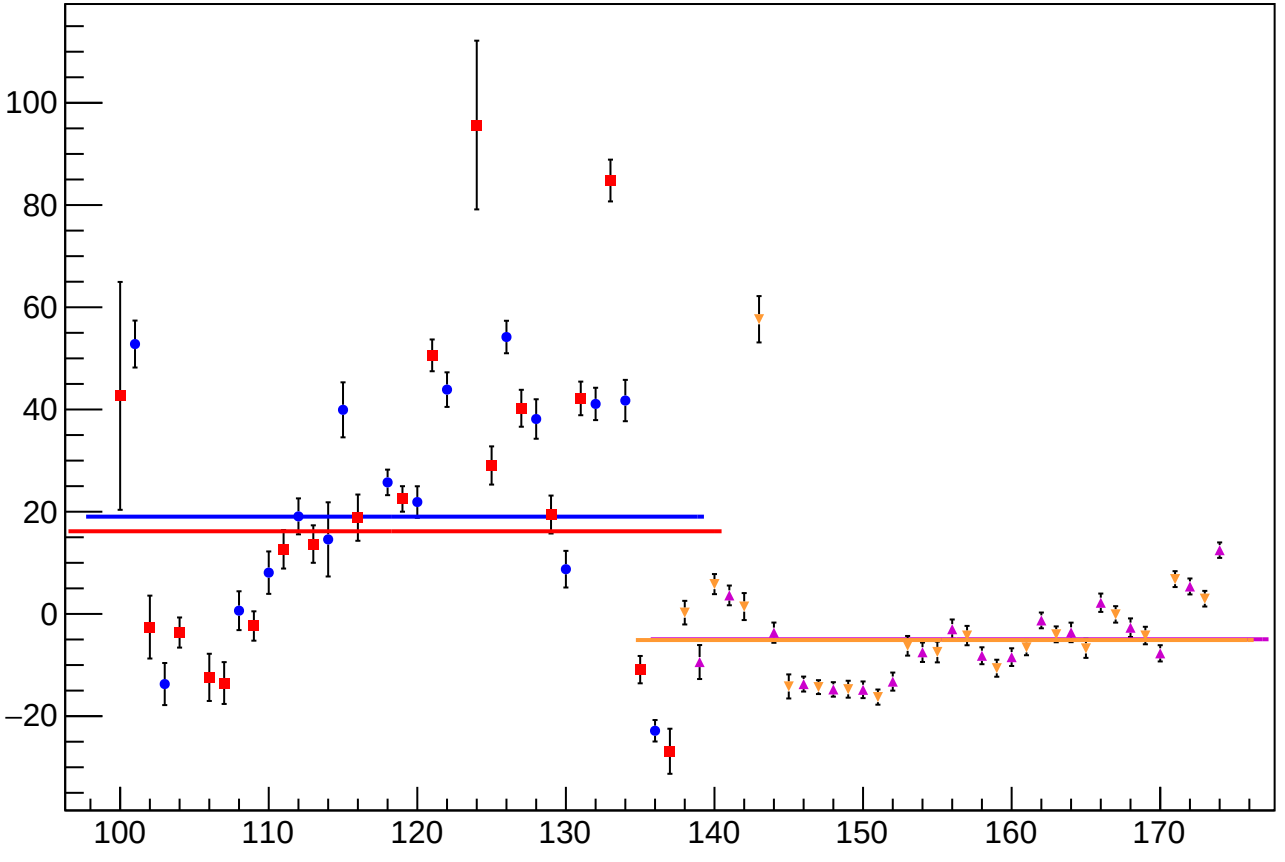
Left In: 49.523+/-0.486 χ^2/NDF:711.3/17

\+ sign 72.702+/-0.423 χ^2/NDF: 14288.6/34

All: 71.503+/-0.296 χ^2/NDF: 25221.5/71

\- 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: -5.109+/-0.407 χ^2/NDF:497.3/18

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

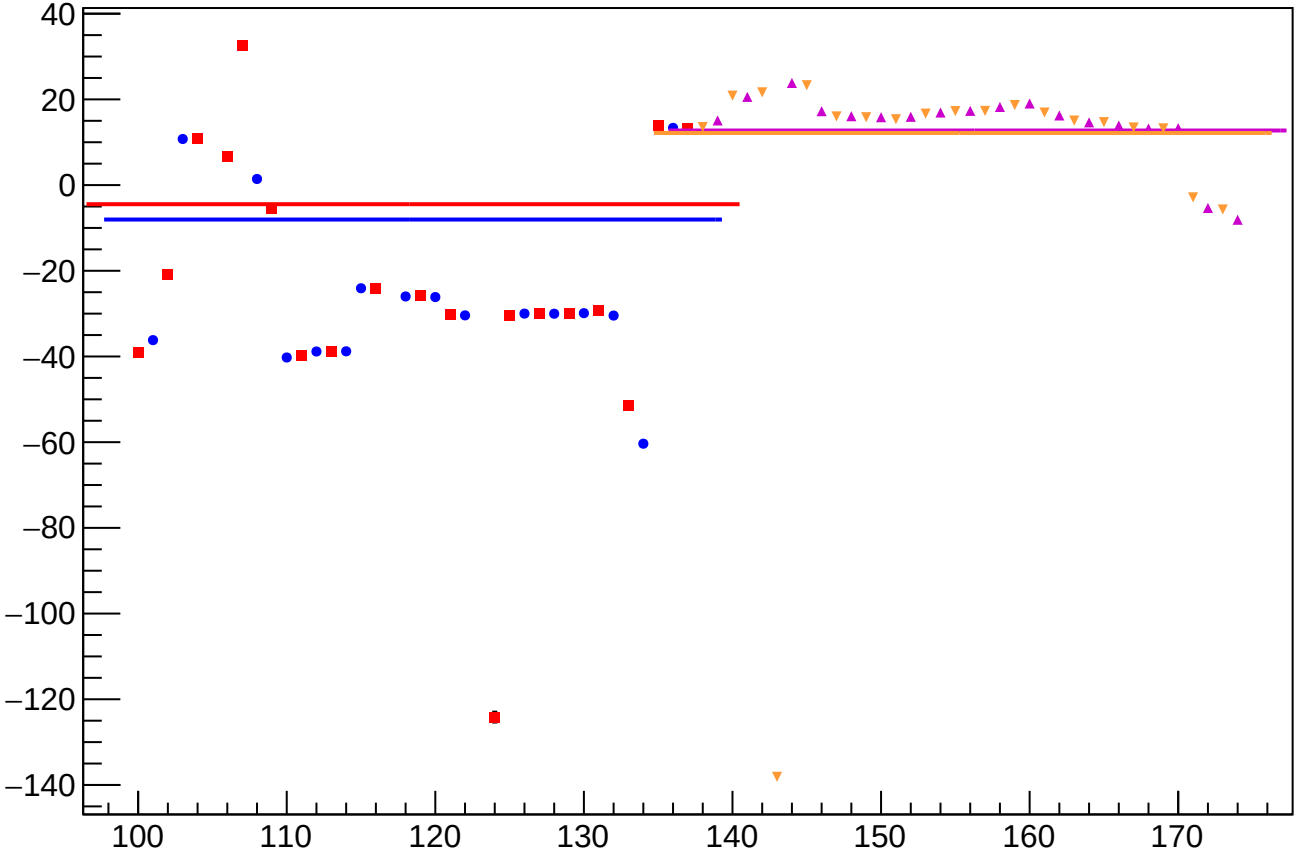
Left In: -4.956+/-0.406 χ^2/NDF:378.6/17

+ sign -0.686+/-0.368 χ^2/NDF: 1999.4/34

All: -0.847+/-0.259 χ^2/NDF: 3826.8/71

- 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: 12.164+/-0.018 χ^2/NDF:625900.1/18

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

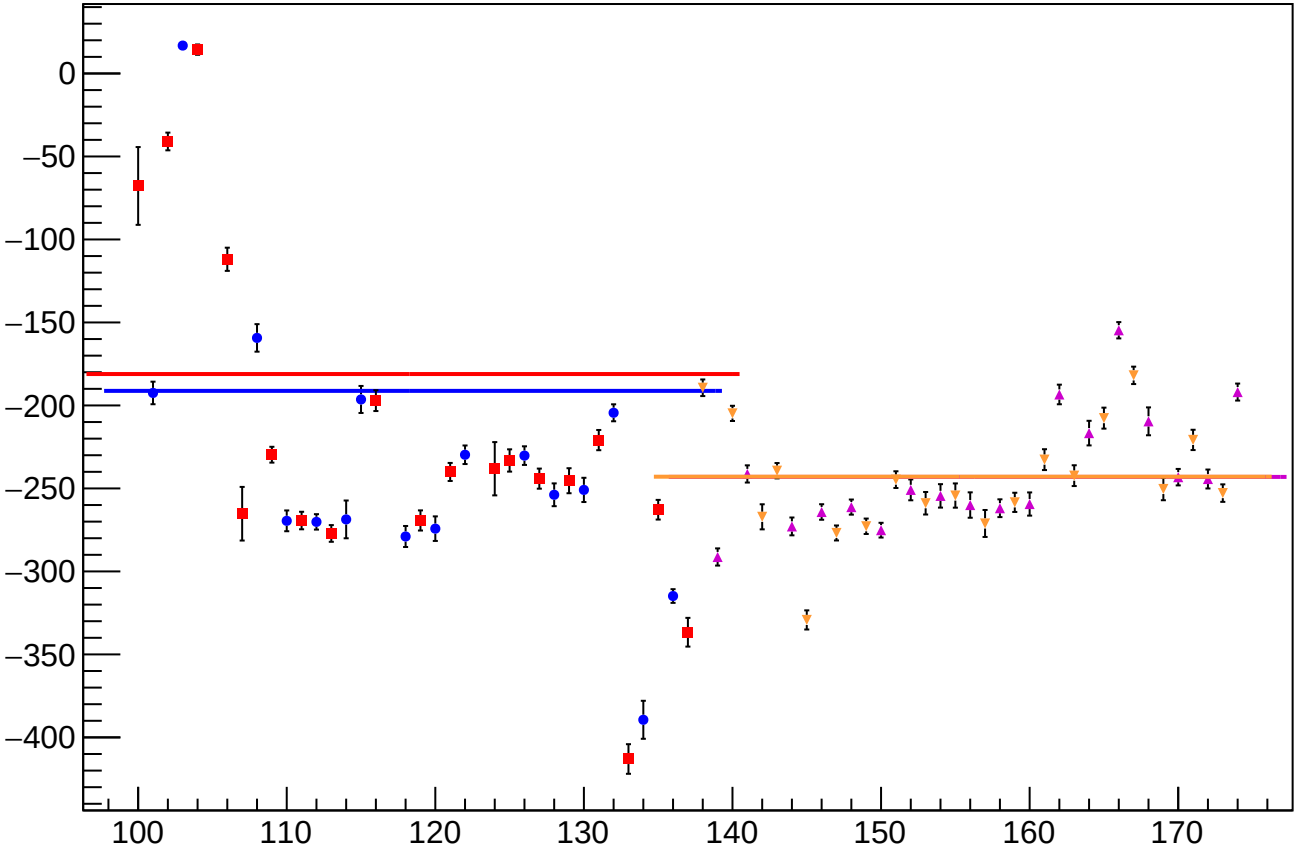
Left In: 12.738+/-0.018 χ^2/NDF:236787.6/17

+ sign 9.360+/-0.017 χ^2/NDF: 1061138.6/34

All: 9.969+/-0.012 χ^2/NDF: 1646711.4/71

- 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: -242.934+/-1.292 χ^2/NDF:731.3/18

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

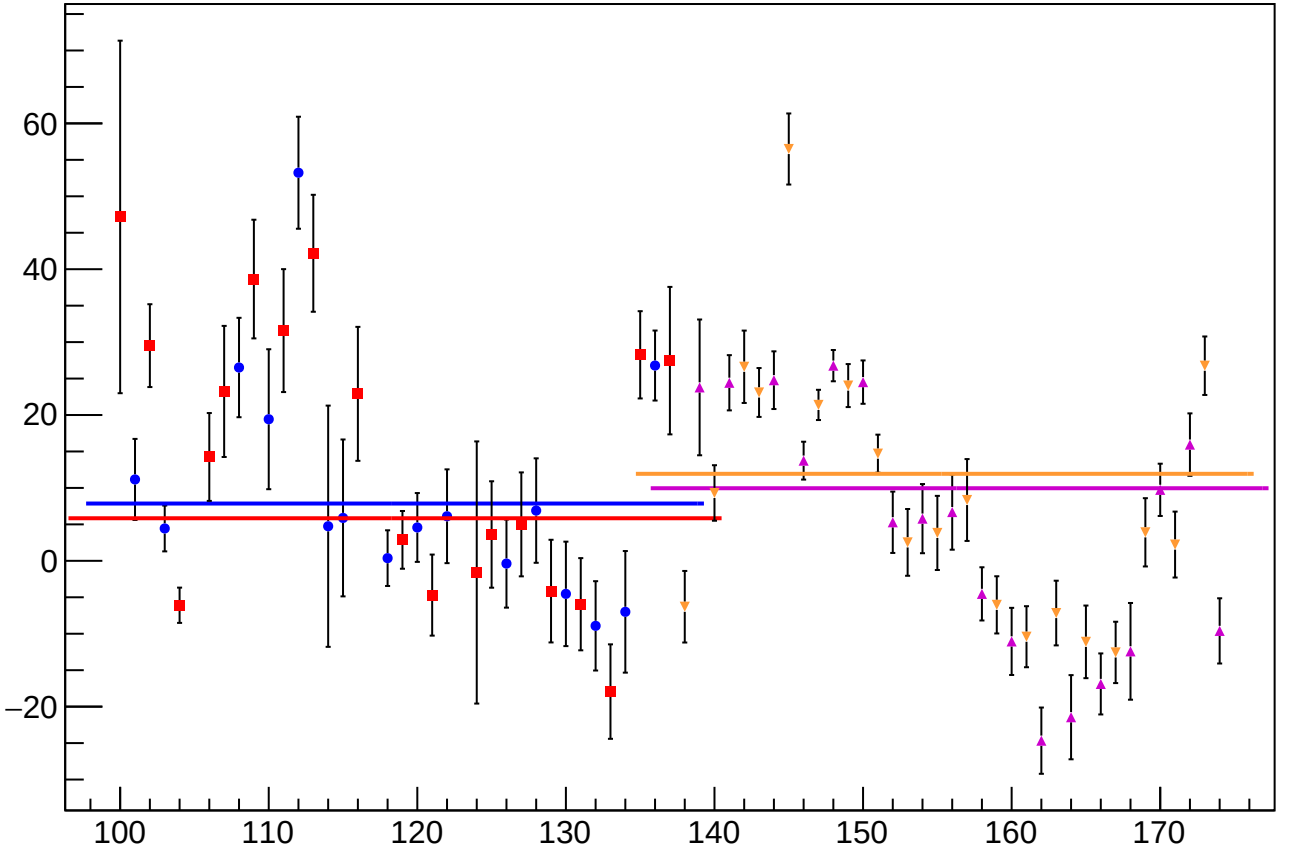
Left In: -243.063+/-1.309 χ^2/NDF:755.7/17

+ sign -219.485+/-0.955 χ^2/NDF: 8682.1/34

All: -216.610+/-0.674 χ^2/NDF: 17889.7/71

- 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: 11.935+/-0.870 χ^2/NDF:308.1/18

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

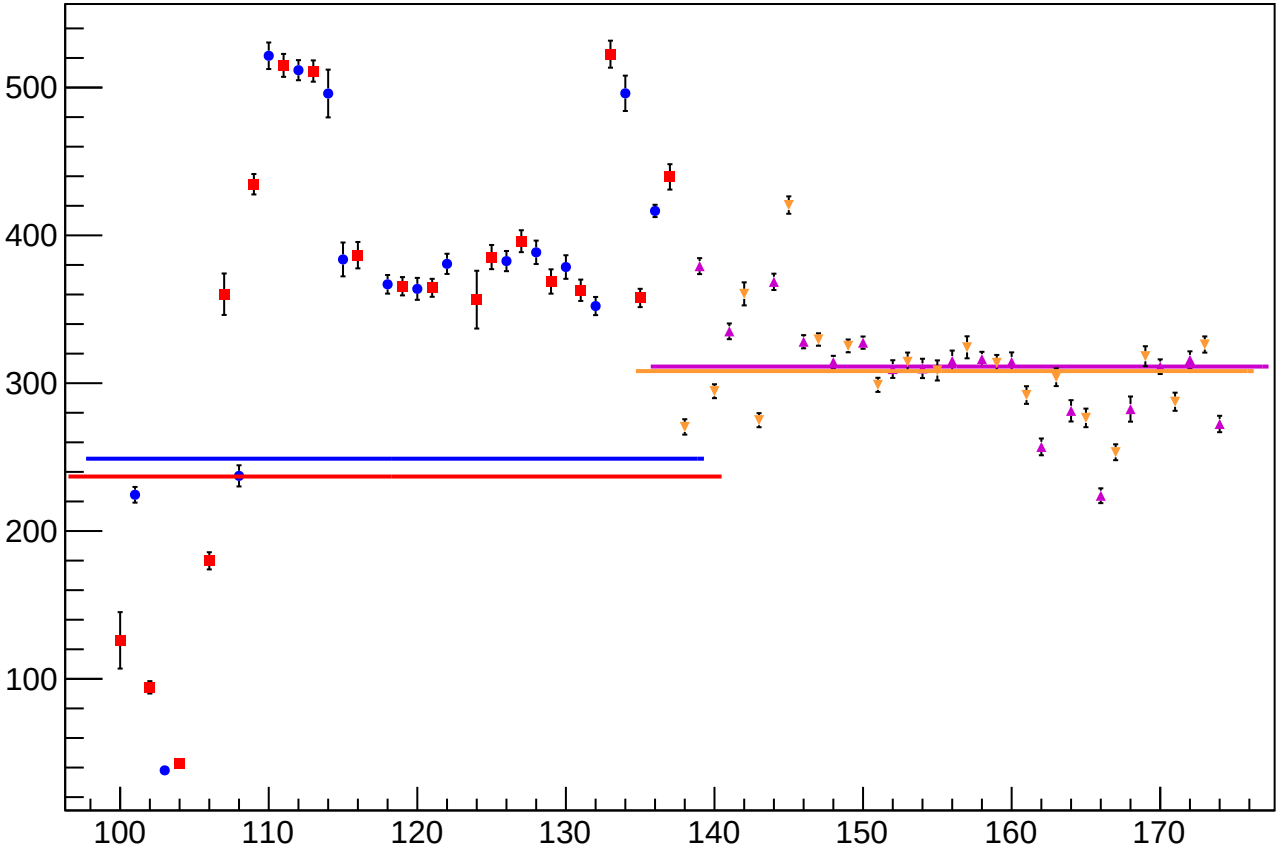
Left In: 9.957+/-0.903 χ^2/NDF:318.6/17

+ sign 10.843+/-0.744 χ^2/NDF: 394.9/34

All: 9.777+/-0.529 χ^2/NDF: 865.9/71

- 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: 308.186+/-1.268 χ^2/NDF:732.1/18

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

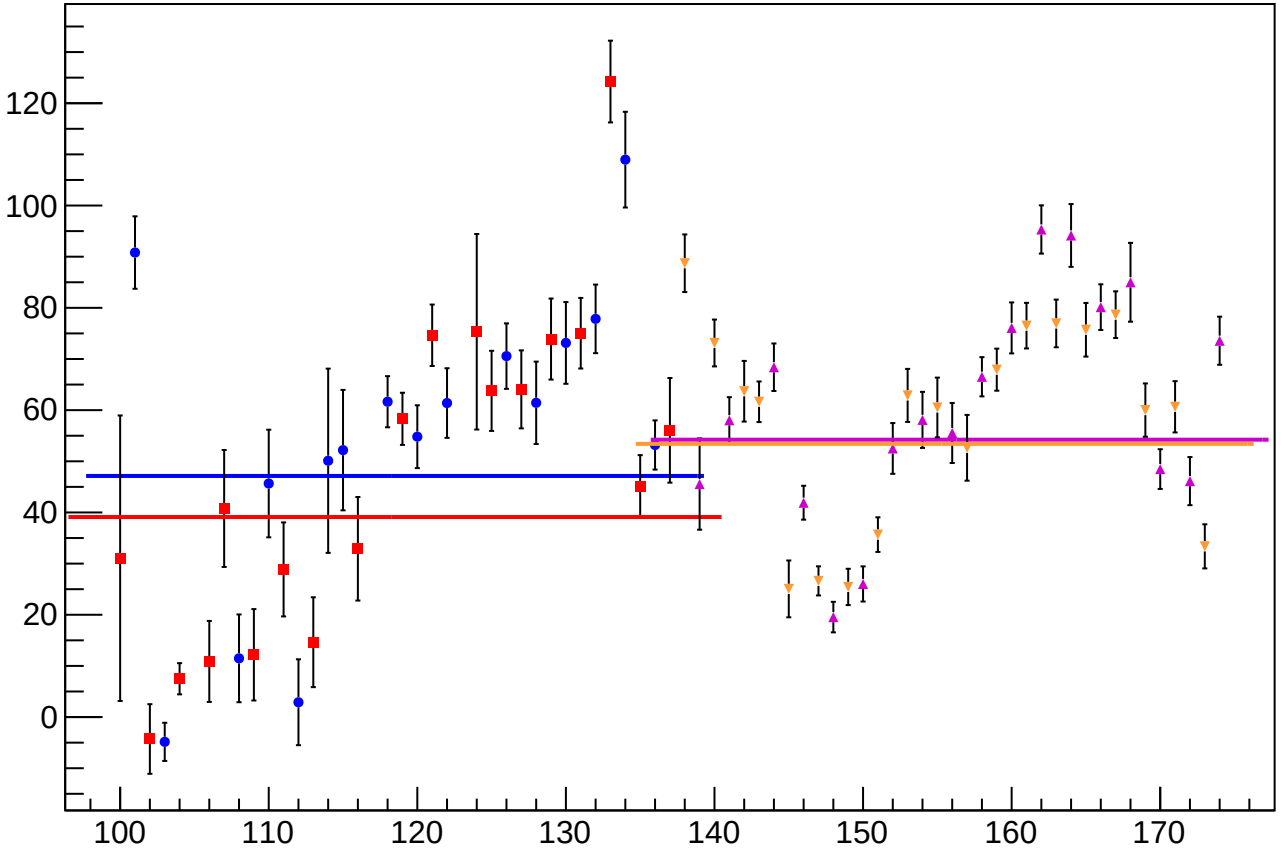
Left In: 311.252+/-1.282 χ^2/NDF:791.4/17

+ sign 281.925+/-0.946 χ^2/NDF: 17001.5/34

All: 279.713+/-0.670 χ^2/NDF: 34988.2/71

- 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: 53.406+/-1.023 χ^2/NDF:413.0/18

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

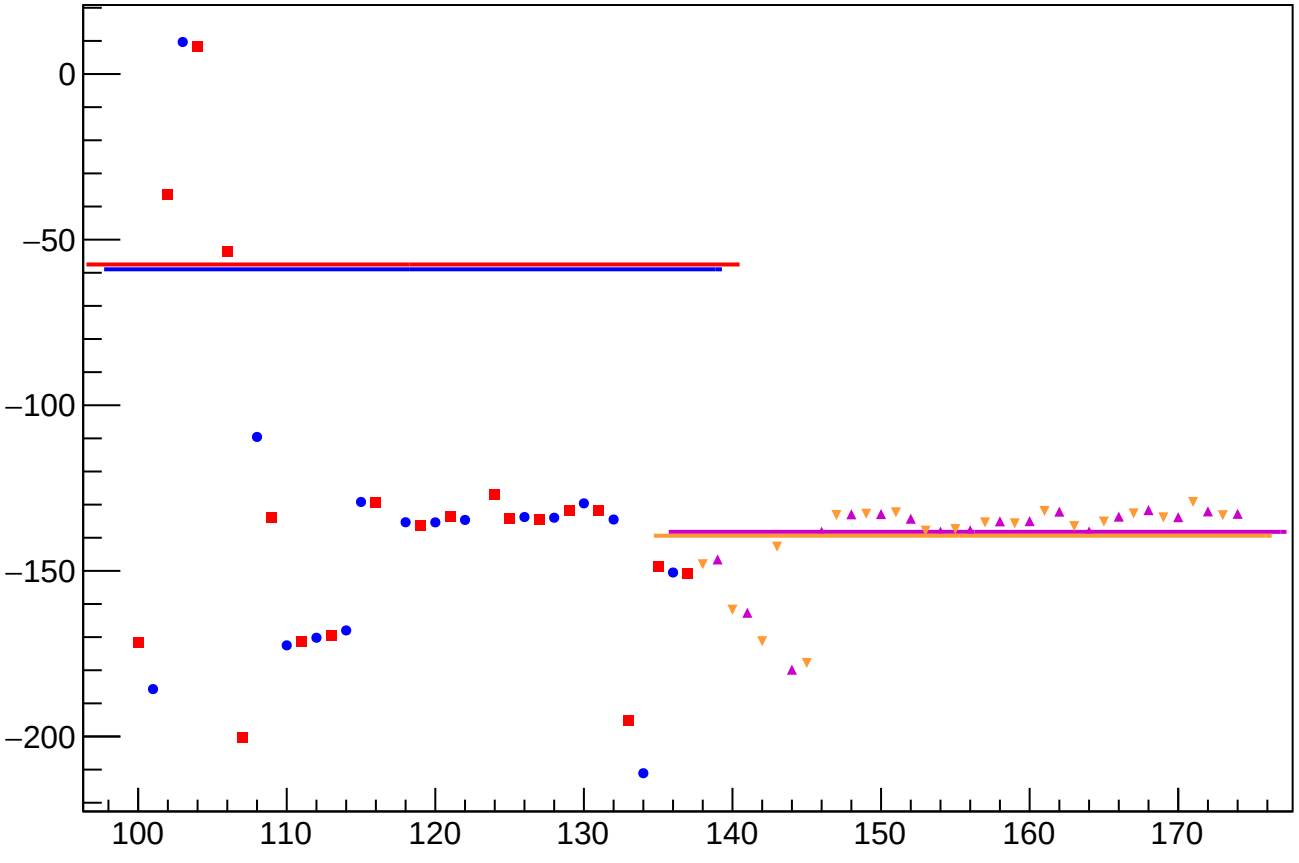
Left In: 54.227+/-1.053 χ^2/NDF:447.1/17

+ sign 51.691+/-0.872 χ^2/NDF: 808.6/34

All: 50.674+/-0.619 χ^2/NDF: 1737.4/71

- sign 49.642+/-0.879 χ^2/NDF: 926.1/36

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -139.384+/-0.048 χ^2/NDF:61898.4/18

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

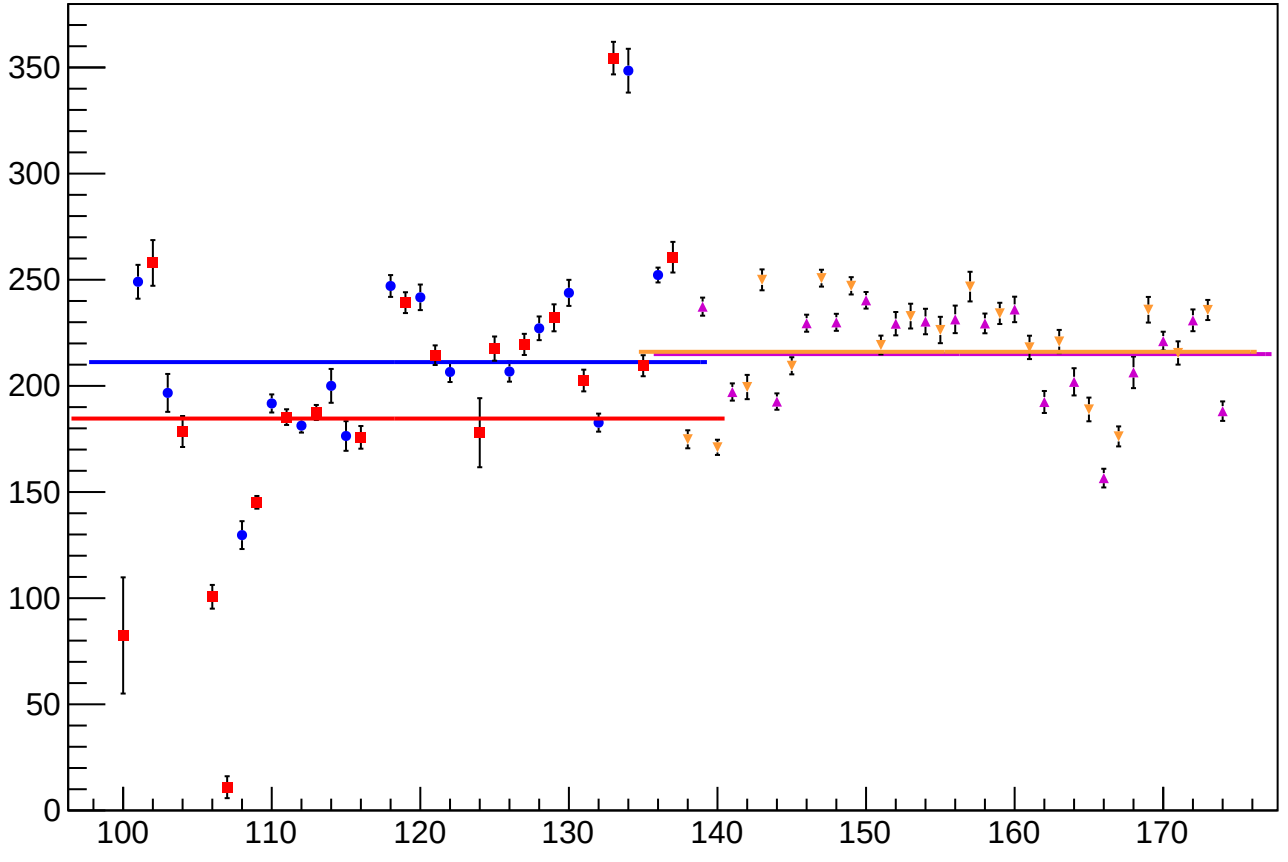
Left In: -138.219+/-0.048 χ^2/NDF:49730.8/17

+ sign -114.657+/-0.040 χ^2/NDF: 2138775.6/34

All: -114.494+/-0.029 χ^2/NDF: 3891744.3/71

- 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: 216.056+/-1.114 χ^2/NDF:612.9/18

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

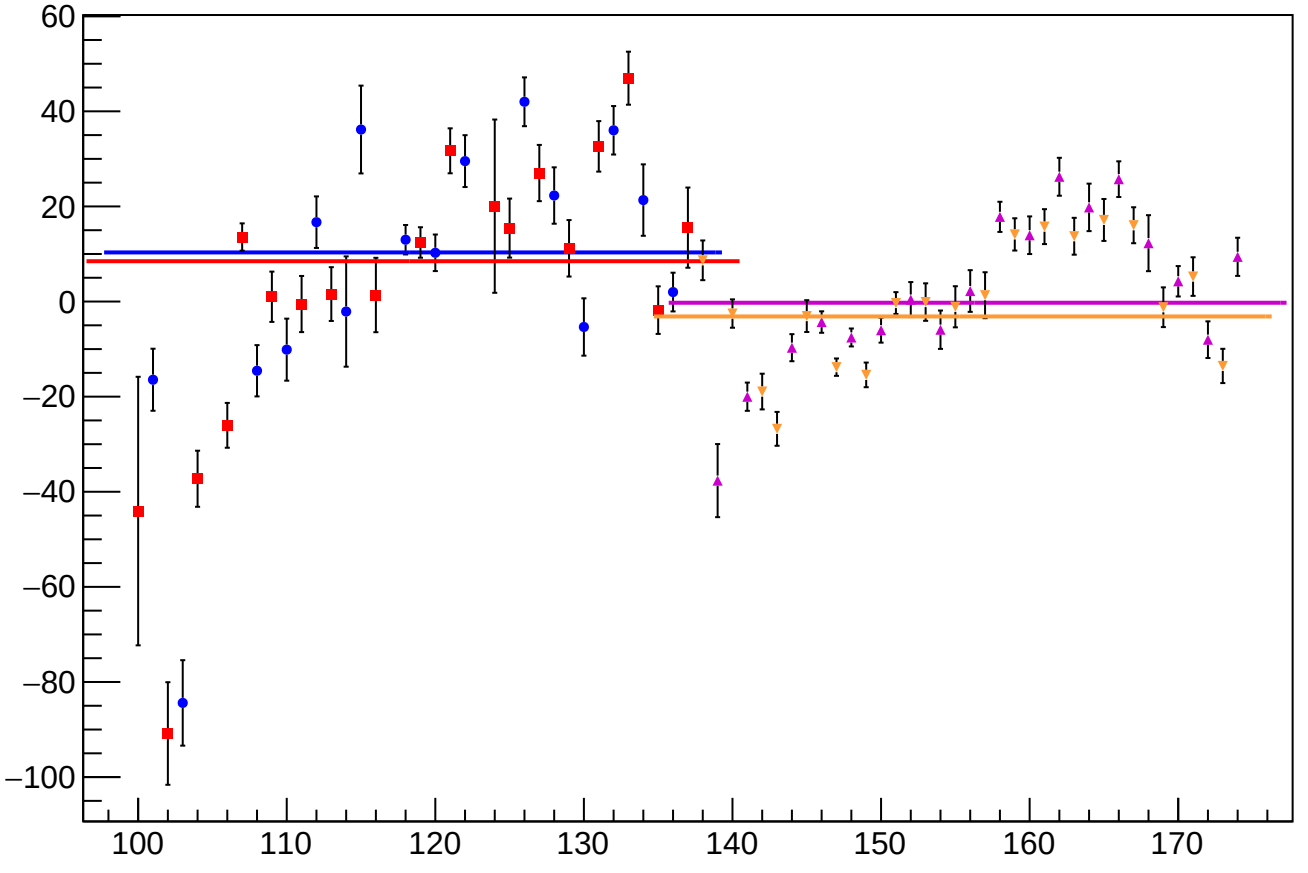
Left In: 214.976+/-1.118 χ^2/NDF:437.5/17

\+ sign 213.996+/-0.845 χ^2/NDF: 1403.9/34

All: 207.163+/-0.587 χ^2/NDF: 4852.7/71

\- 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: -3.137+/-0.755 χ^2/NDF:260.5/18

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

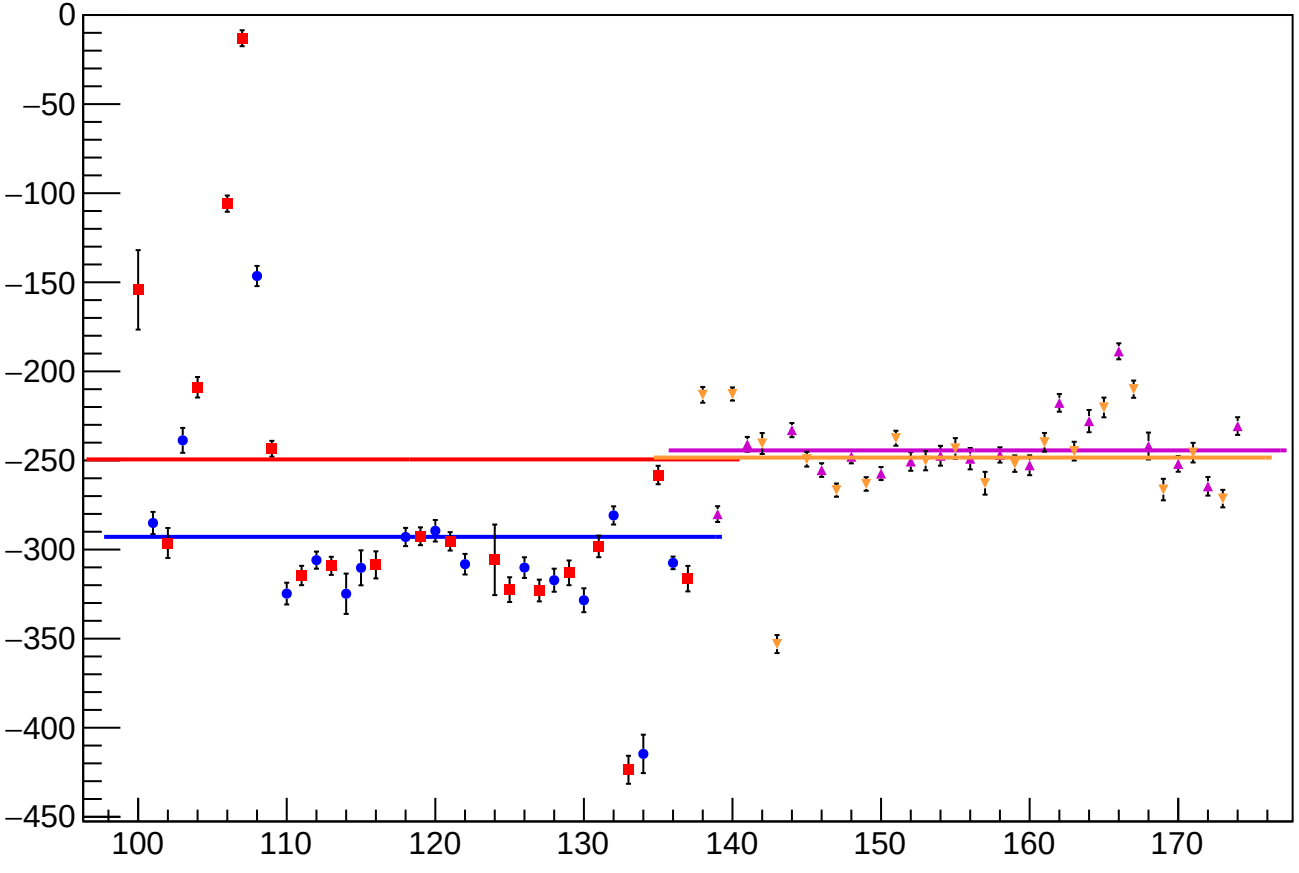
Left In: -0.254+/-0.777 χ^2/NDF:274.3/17

+ sign 0.137+/-0.657 χ^2/NDF: 601.1/34

All: 1.196+/-0.464 χ^2/NDF: 1239.2/71

- 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: -248.376+/-1.095 χ^2/NDF:761.6/18

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

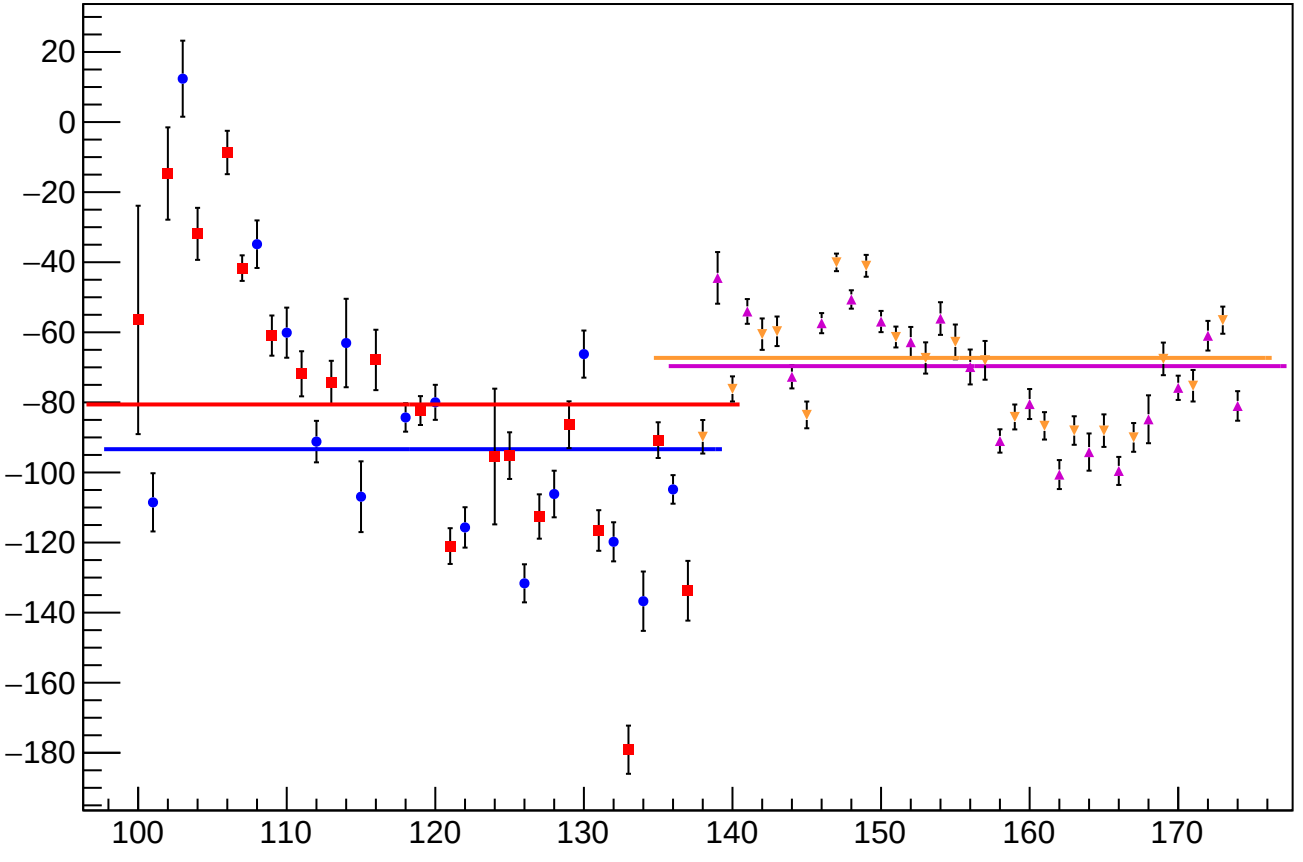
Left In: -244.352+/-1.097 χ^2/NDF:314.9/17

+ sign -264.292+/-0.878 χ^2/NDF: 2335.6/34

All: -255.089+/-0.613 χ^2/NDF: 8241.9/71

- 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: -67.303+/-0.888 χ^2/NDF:380.6/18

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

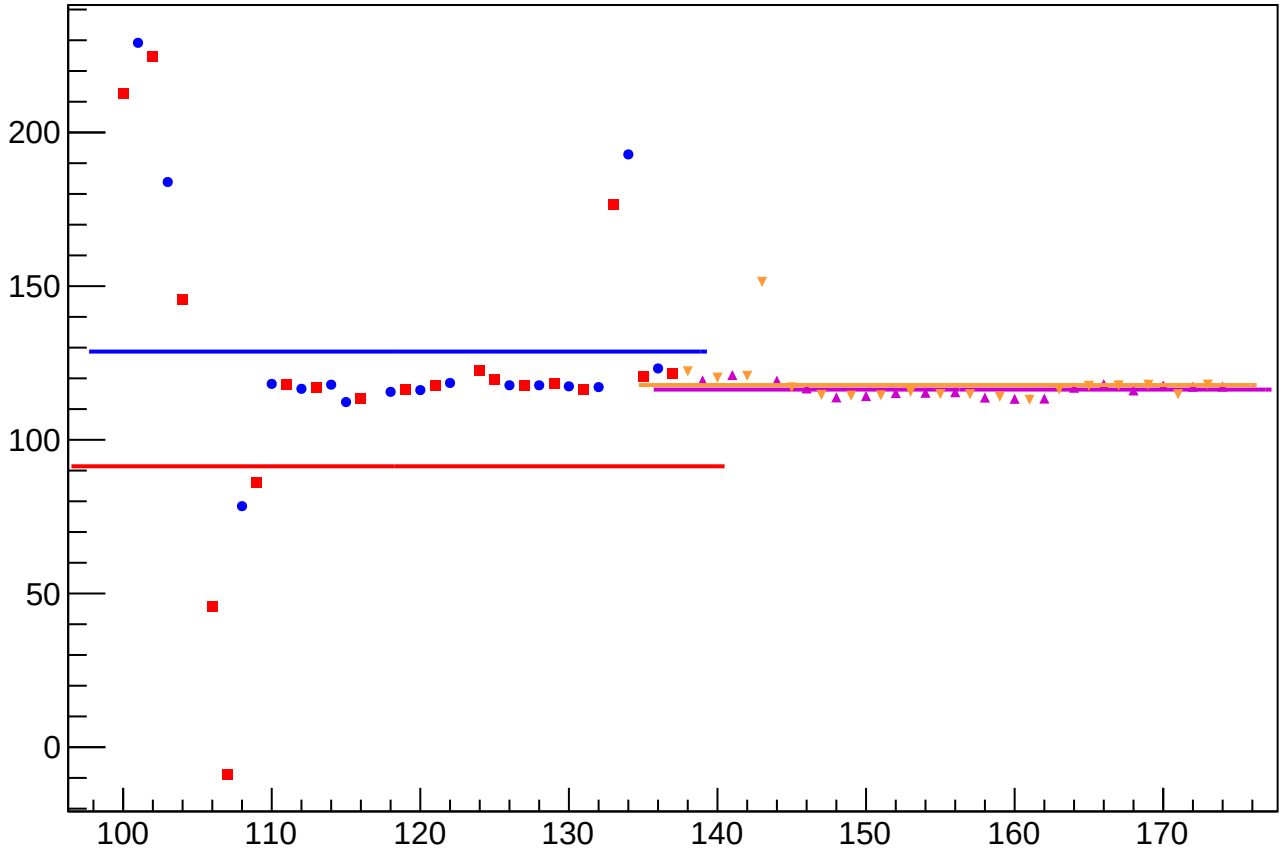
Left In: -69.651+/-0.905 χ^2/NDF:331.6/17

+ sign -73.843+/-0.769 χ^2/NDF: 951.8/34

All: -73.317+/-0.542 χ^2/NDF: 2041.7/71

- 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: 117.822+/-0.042 χ^2/NDF:29681.0/18

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

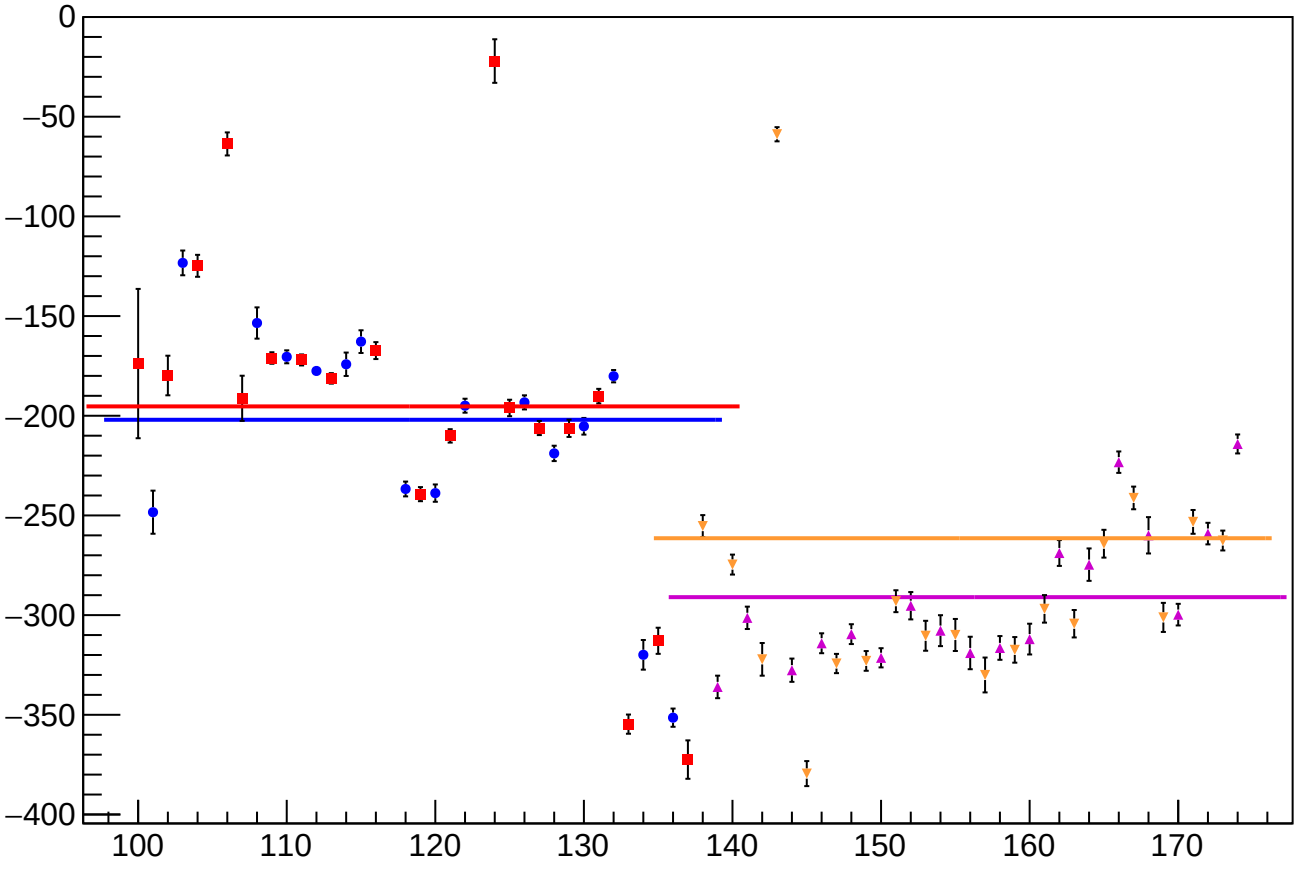
Left In: 116.345+/-0.041 χ^2/NDF:2988.7/17

+ sign 119.789+/-0.038 χ^2/NDF: 225441.7/34

All: 115.239+/-0.026 χ^2/NDF: 939521.3/71

- 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: -261.436+/-1.336 χ^2/NDF:4343.0/18

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

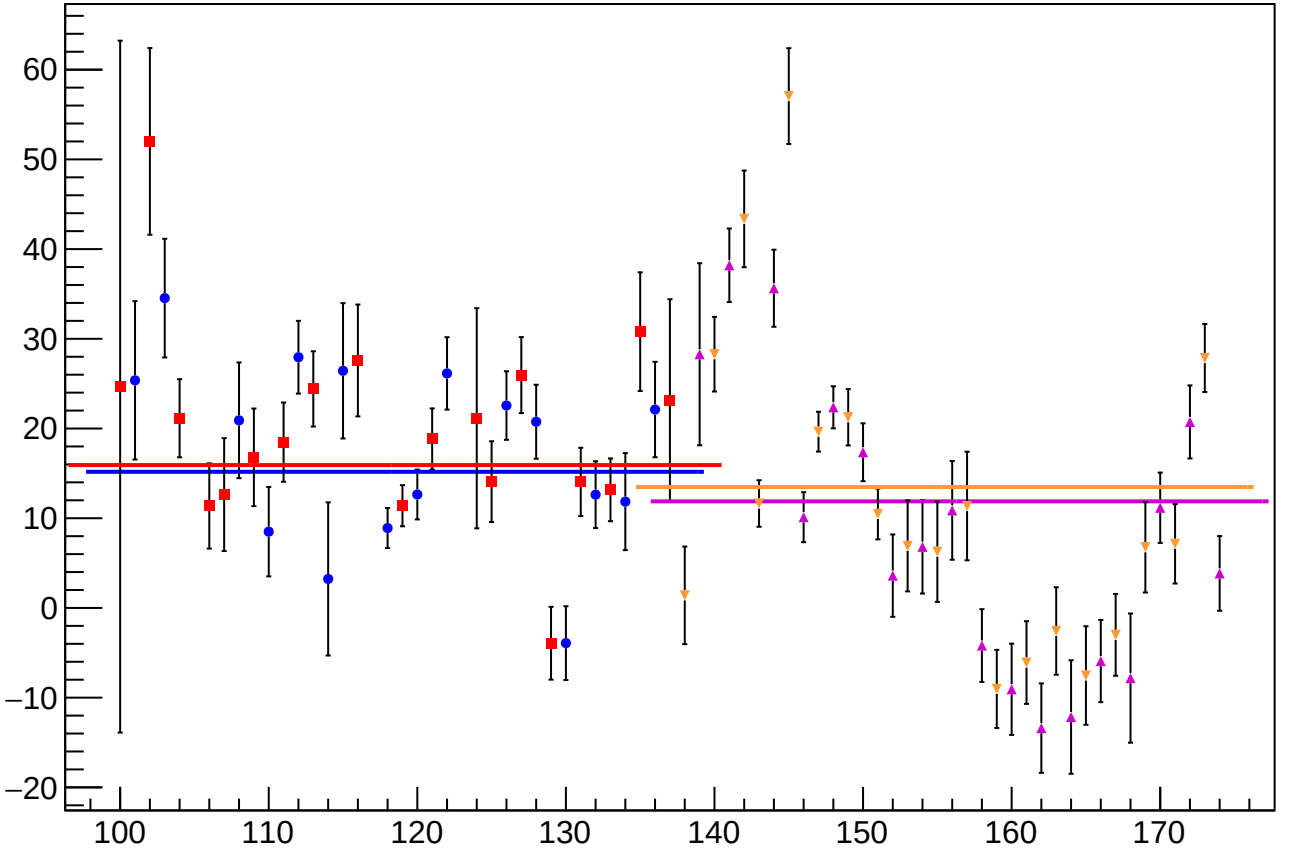
Left In: -290.989+/-1.397 χ^2/NDF:708.3/17

\+ sign -224.014+/-0.813 χ^2/NDF: 7629.5/34

All: -225.328+/-0.570 χ^2/NDF: 14598.5/71

\- sign -226.597+/-0.799 χ^2/NDF: 6963.8/36

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 13.475+/-0.905 χ^2/NDF:235.4/18

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

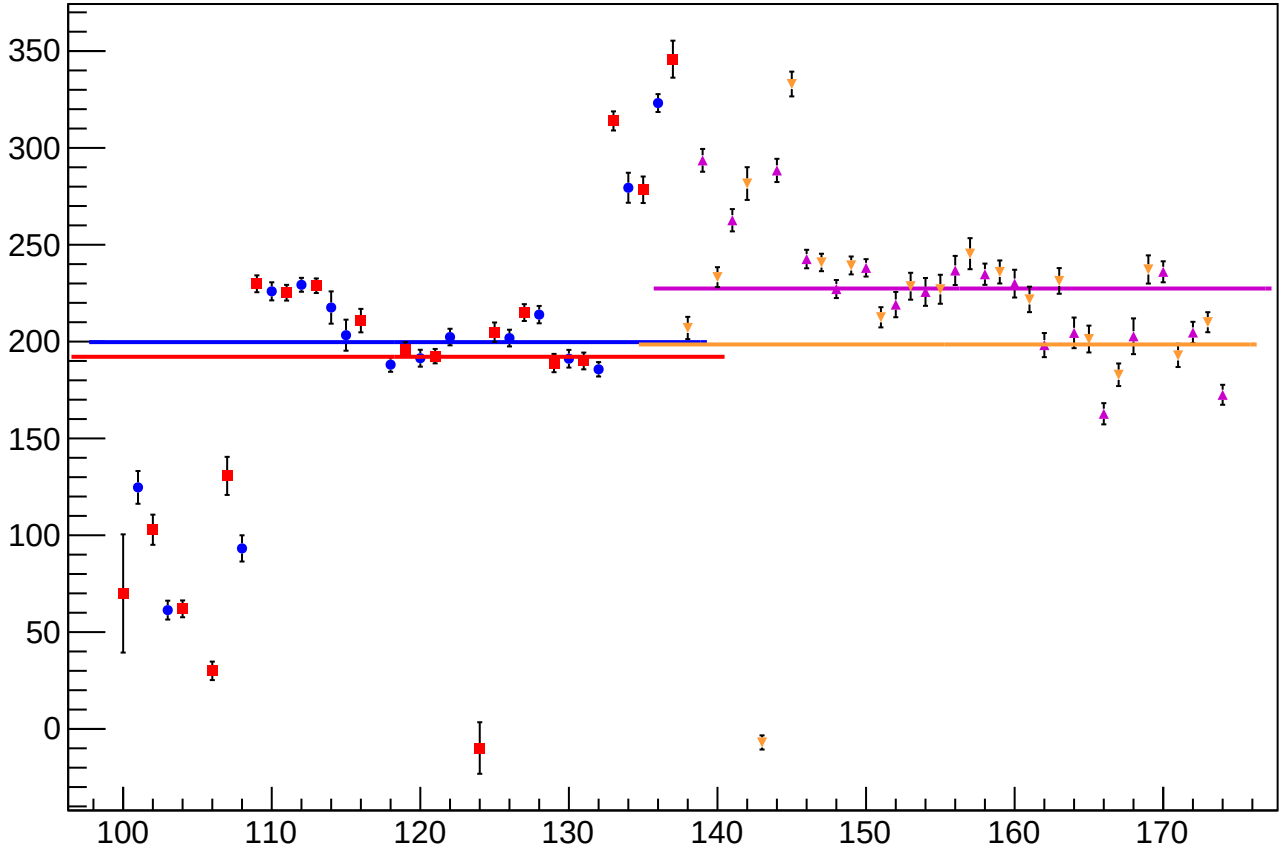
Left In: 11.881+/-0.970 χ^2/NDF:205.9/17

+ sign 14.202+/-0.685 χ^2/NDF: 309.3/34

All: 13.993+/-0.492 χ^2/NDF: 587.0/71

- sign 13.769+/-0.708 χ^2/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: 198.520+/-1.317 χ^2/NDF:4097.9/18

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

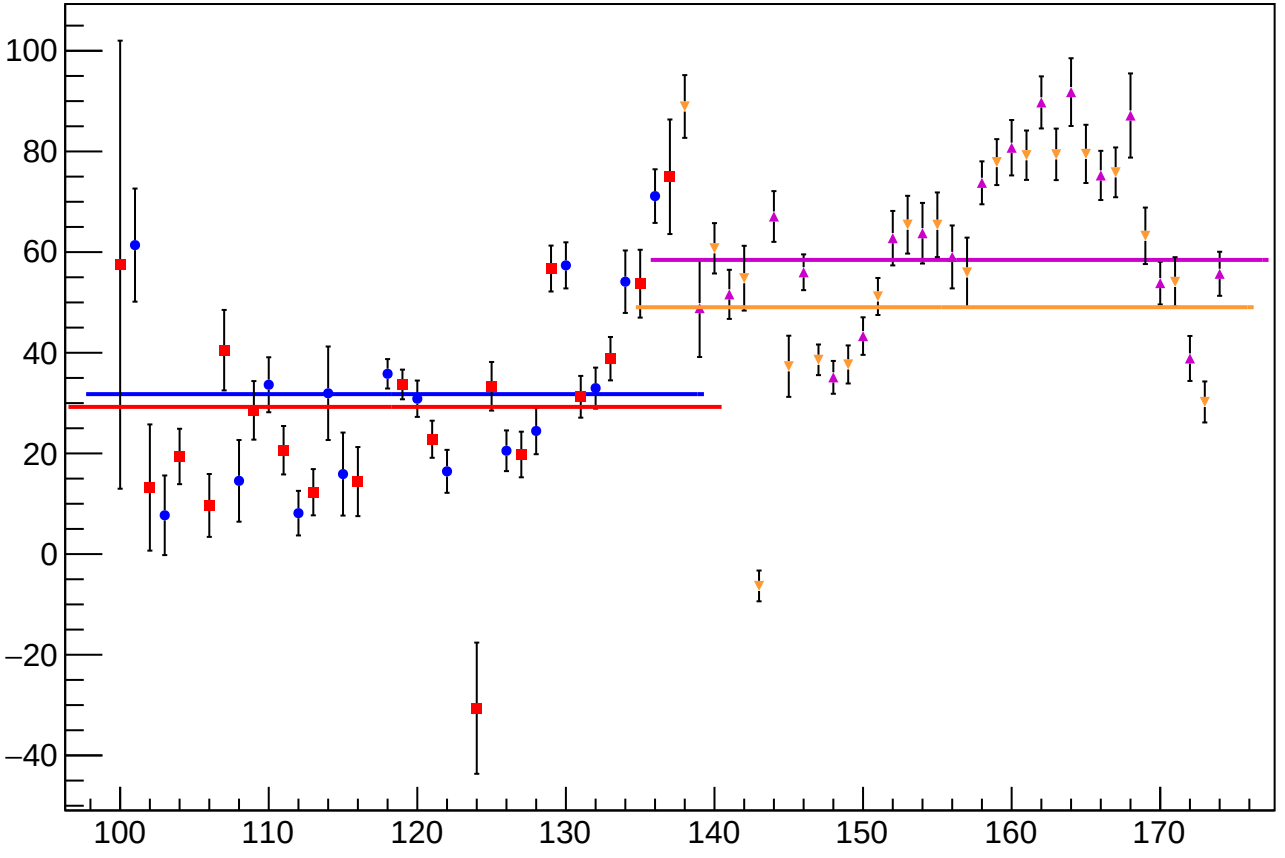
Left In: 227.403+/-1.373 χ^2/NDF:597.4/17

+ sign 199.178+/-0.885 χ^2/NDF: 6199.9/34

All: 202.952+/-0.625 χ^2/NDF: 10997.9/71

- 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: 49.051+/-1.064 χ^2/NDF:614.5/18

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

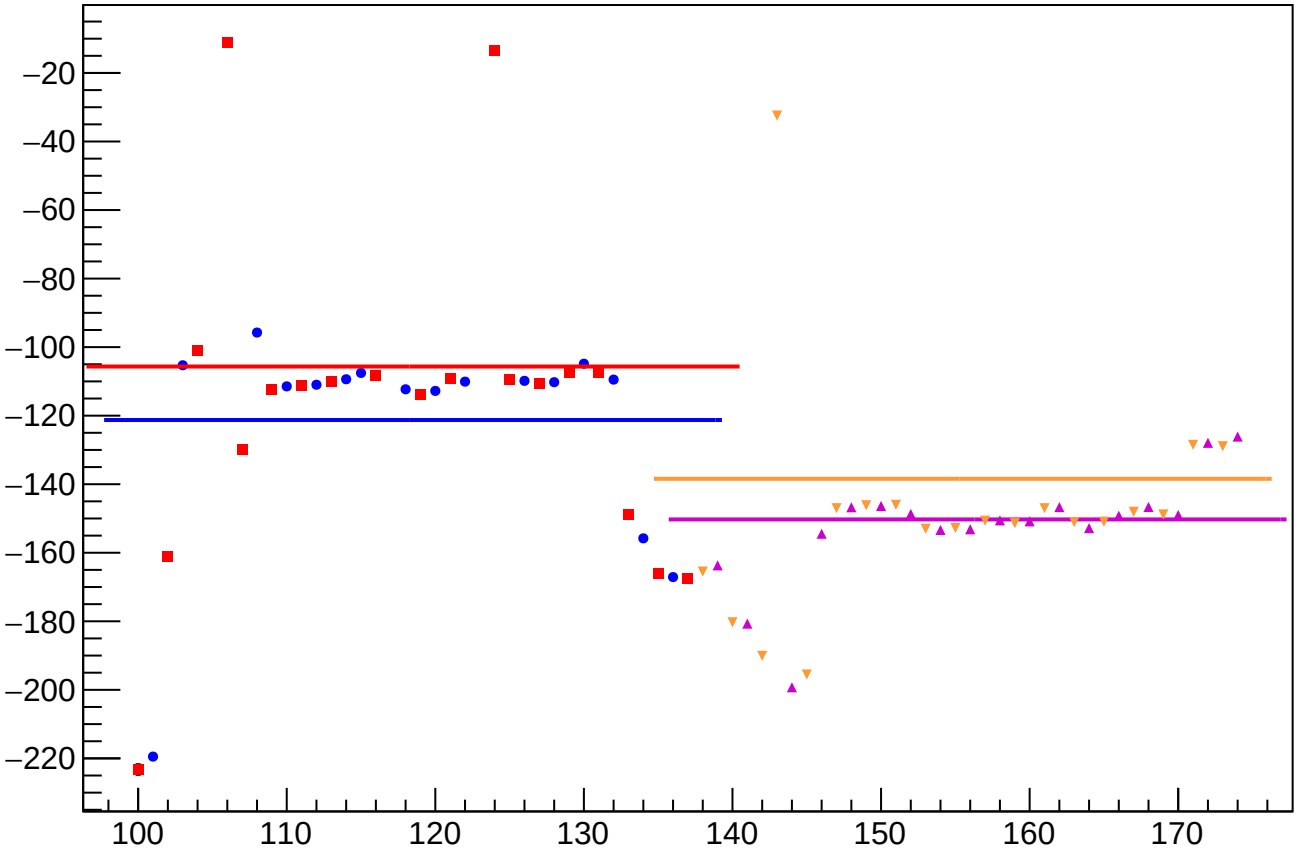
Left In: 58.450+/-1.128 χ^2/NDF:210.2/17

+ sign 41.565+/-0.801 χ^2/NDF: 905.6/34

All: 43.097+/-0.573 χ^2/NDF: 1579.6/71

- 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: -138.420+/-0.050 χ^2/NDF:639636.5/18

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

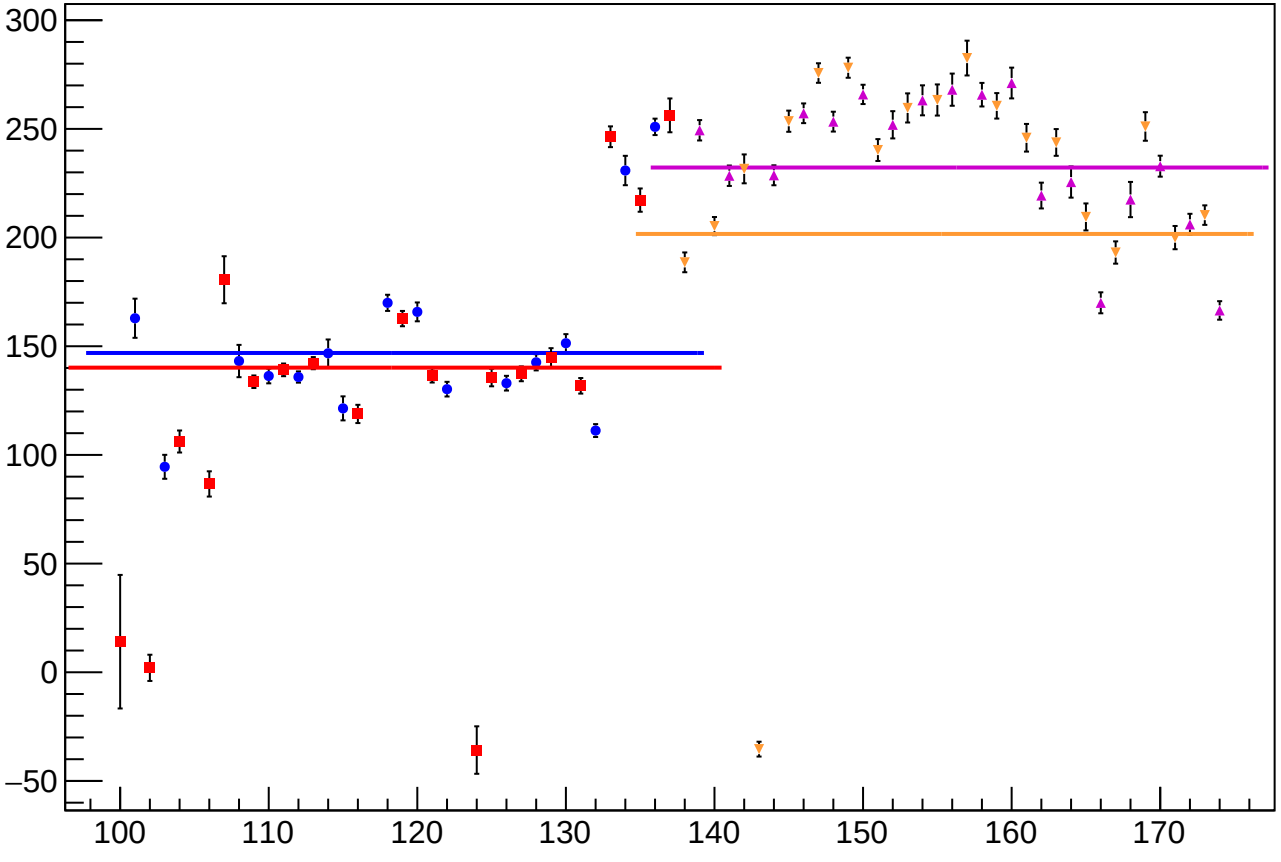
Left In: -150.274+/-0.051 χ^2/NDF:87659.9/17

+ sign -133.483+/-0.043 χ^2/NDF: 792417.0/34

All: -134.707+/-0.030 χ^2/NDF: 1478764.7/71

- 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: 201.669+/-1.194 χ^2/NDF:6065.6/18

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

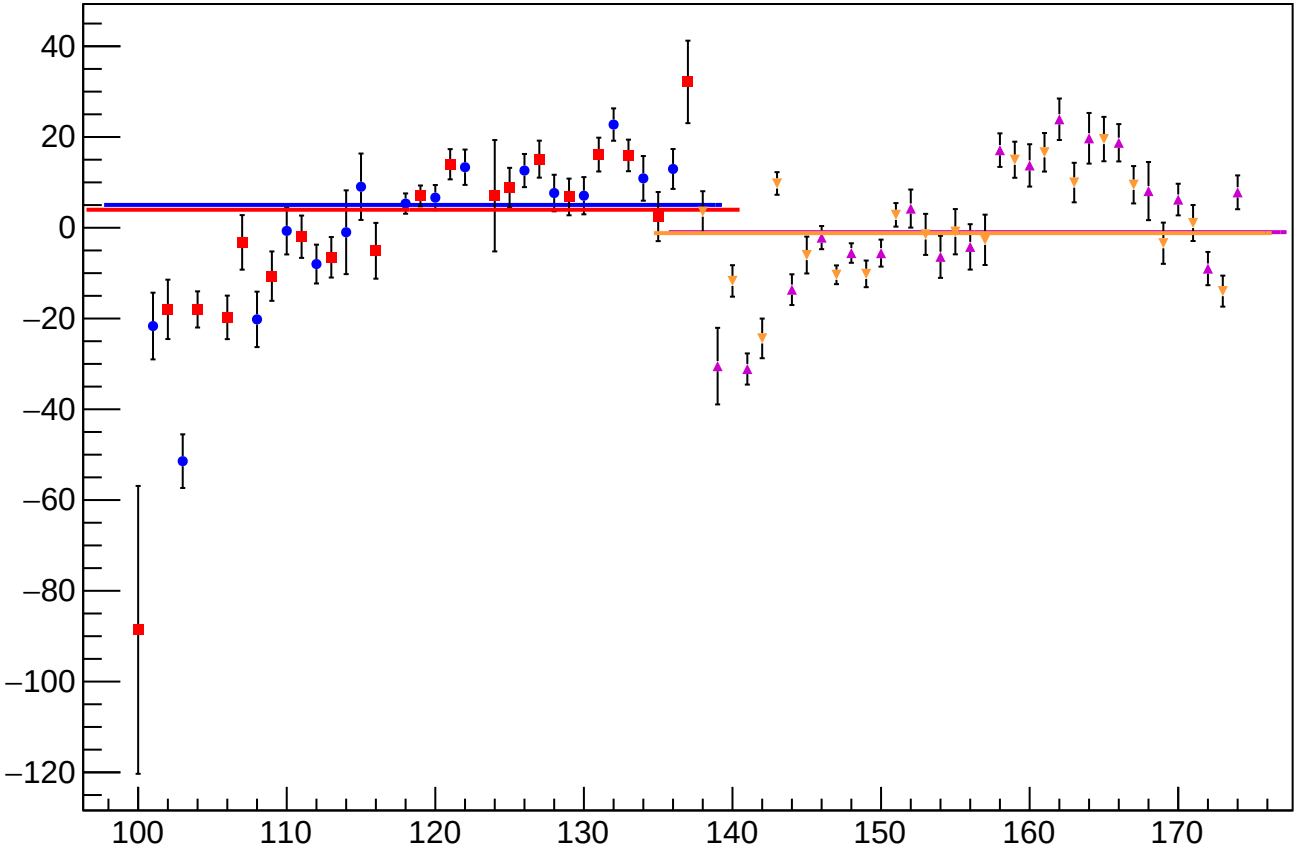
Left In: 232.225+/-1.240 χ^2/NDF:687.9/17

+ sign 169.564+/-0.768 χ^2/NDF: 8600.3/34

All: 172.145+/-0.540 χ^2/NDF: 14708.7/71

- 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: -1.182+/-0.817 χ^2/NDF:170.7/18

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

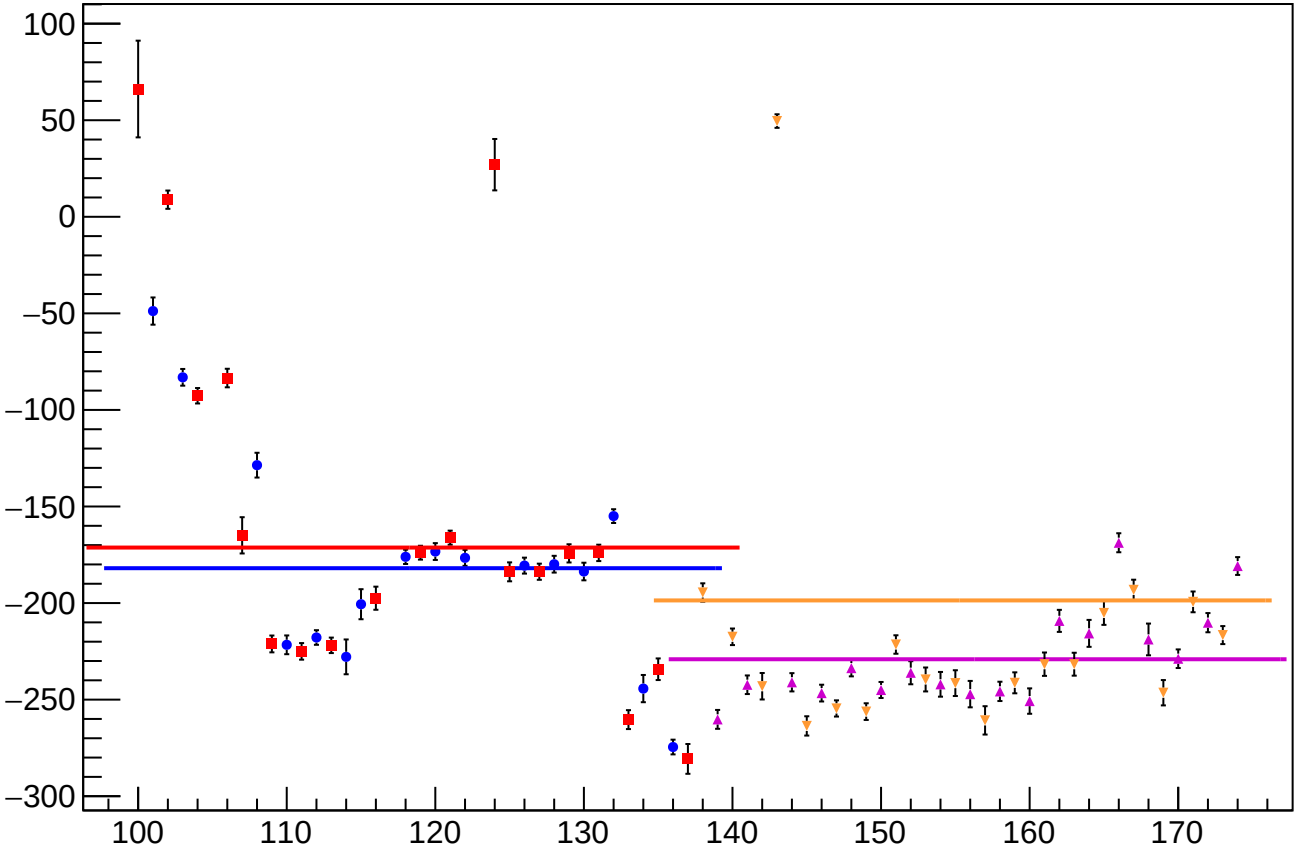
Left In: -0.965+/-0.869 χ^2/NDF:230.7/17

+ sign 1.248+/-0.638 χ^2/NDF: 365.1/34

All: 1.192+/-0.459 χ^2/NDF: 754.4/71

- 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: -198.633+/-1.180 χ^2/NDF:5940.9/18

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

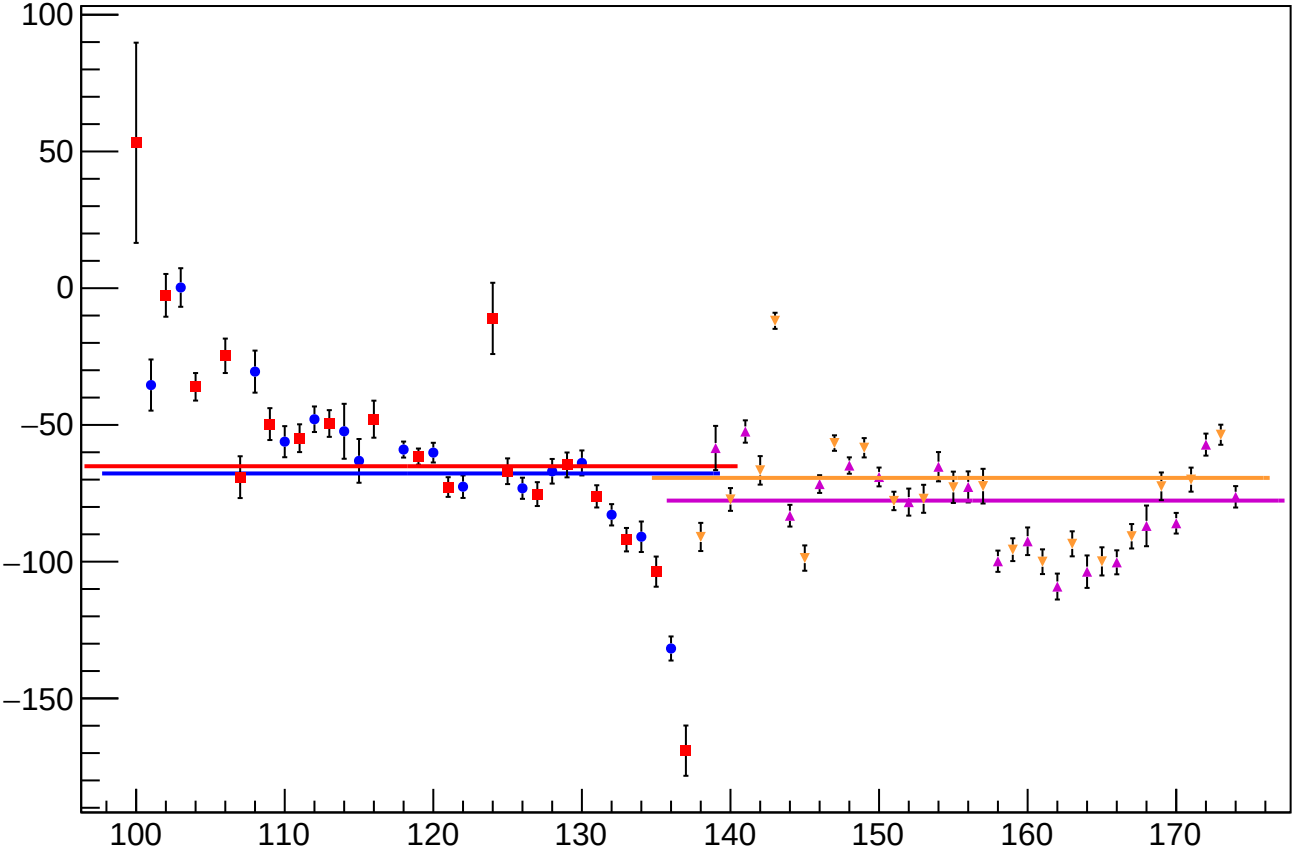
Left In: -229.093+/-1.221 χ^2/NDF:412.7/17

+ sign -190.105+/-0.825 χ^2/NDF: 7913.6/34

All: -193.794+/-0.582 χ^2/NDF: 13221.3/71

- 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: -69.370+/-0.959 χ^2/NDF:672.6/18

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

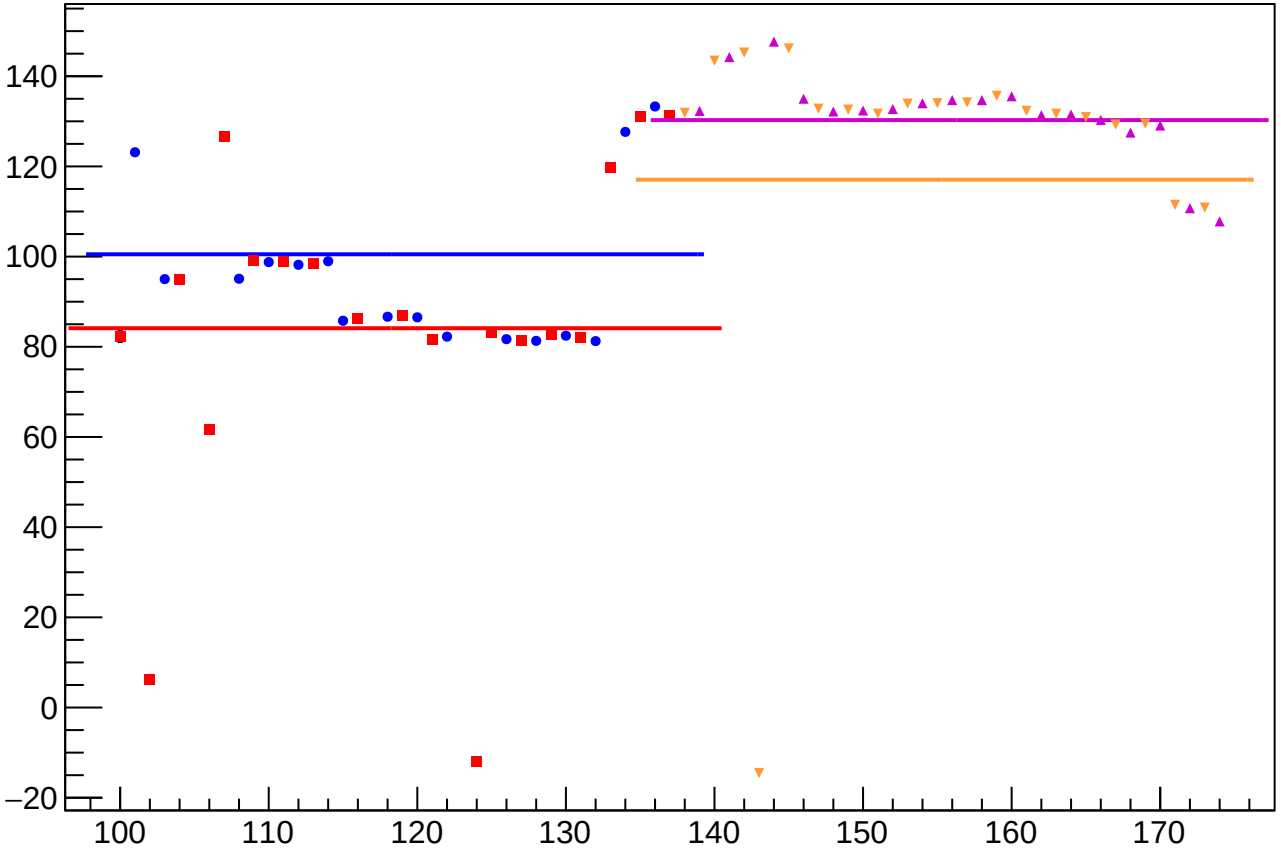
Left In: -77.670+/-1.009 χ^2/NDF:243.3/17

\+ sign -68.724+/-0.744 χ^2/NDF: 1087.8/34

All: -70.464+/-0.533 χ^2/NDF: 1837.7/71

\- 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: 117.058+/-0.045 χ^2/NDF:939777.0/18

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

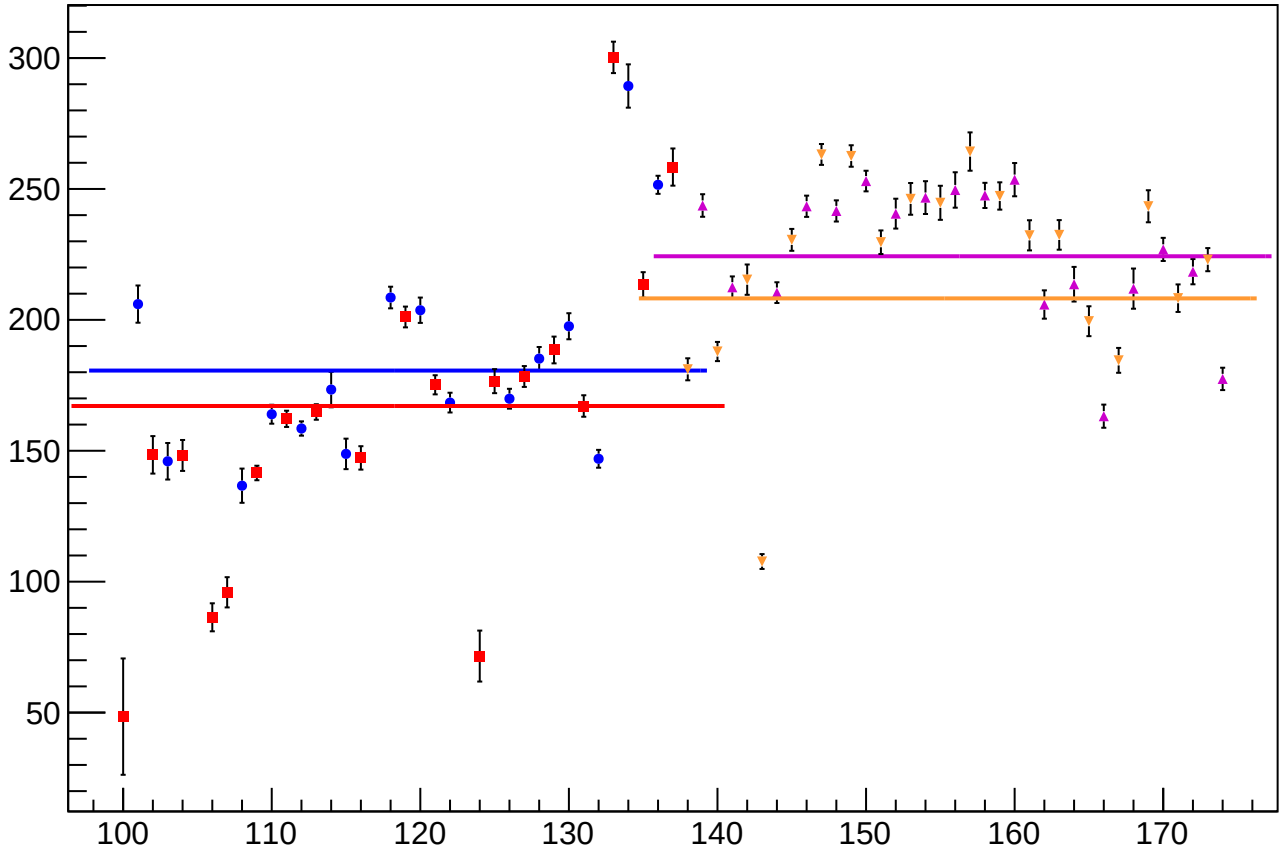
Left In: 130.268+/-0.046 χ^2/NDF:47389.7/17

+ sign 112.568+/-0.039 χ^2/NDF: 1043680.5/34

All: 114.397+/-0.027 χ^2/NDF: 1668431.8/71

- 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: 208.201+/-1.072 χ^2/NDF:2034.4/18

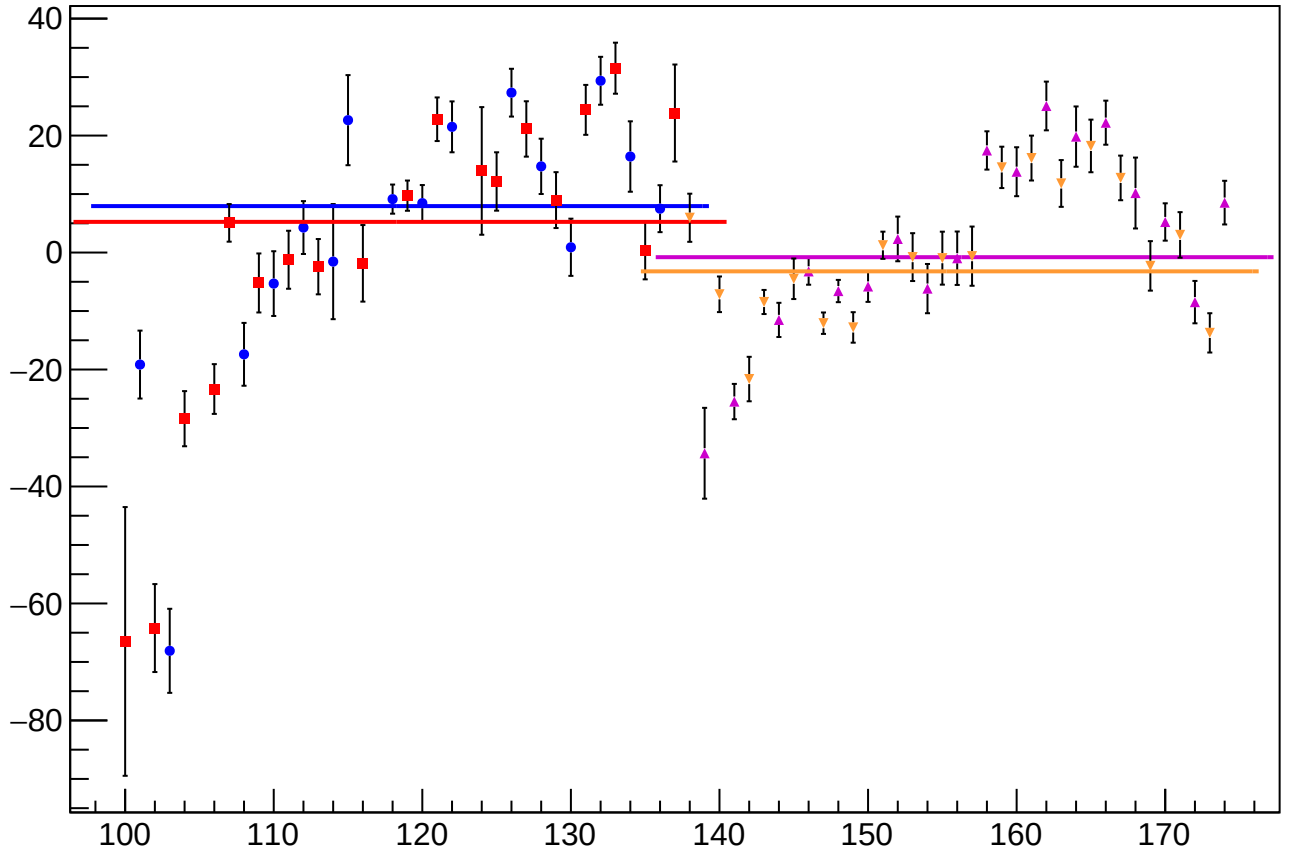
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 224.293+/-1.130 χ^2/NDF:543.8/17

+ sign 194.643+/-0.764 χ^2/NDF: 3353.1/34

All: 193.711+/-0.538 χ^2/NDF: 6794.5/71

- 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: -3.215+/-0.731 χ^2/NDF:195.7/18

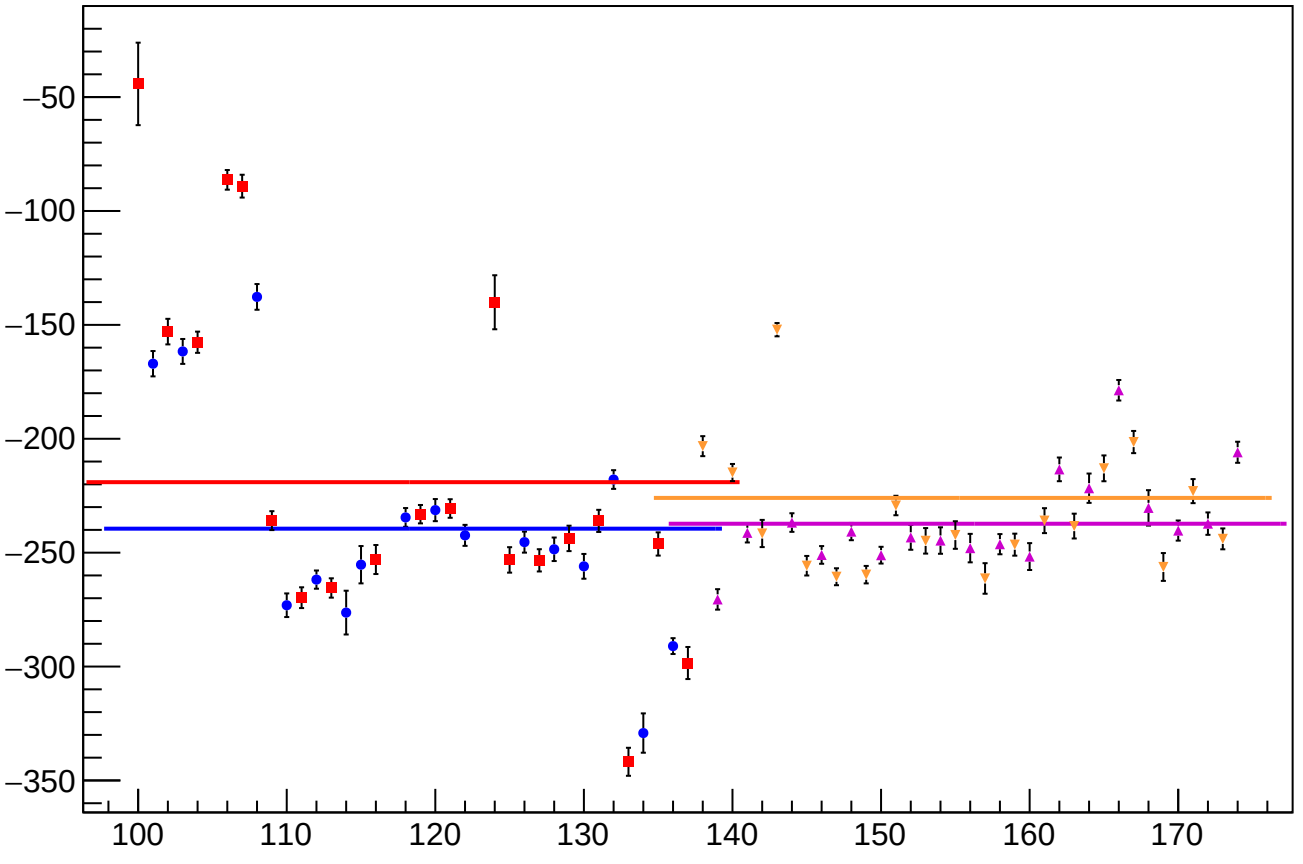
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -0.793+/-0.786 χ^2/NDF:267.8/17

+ sign 0.146+/-0.611 χ^2/NDF: 498.8/34

All: 0.725+/-0.439 χ^2/NDF: 1092.2/71

- sign 1.344+/-0.632 χ^2/NDF: 591.6/36



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.964+/-1.059 χ^2/NDF:1037.3/18

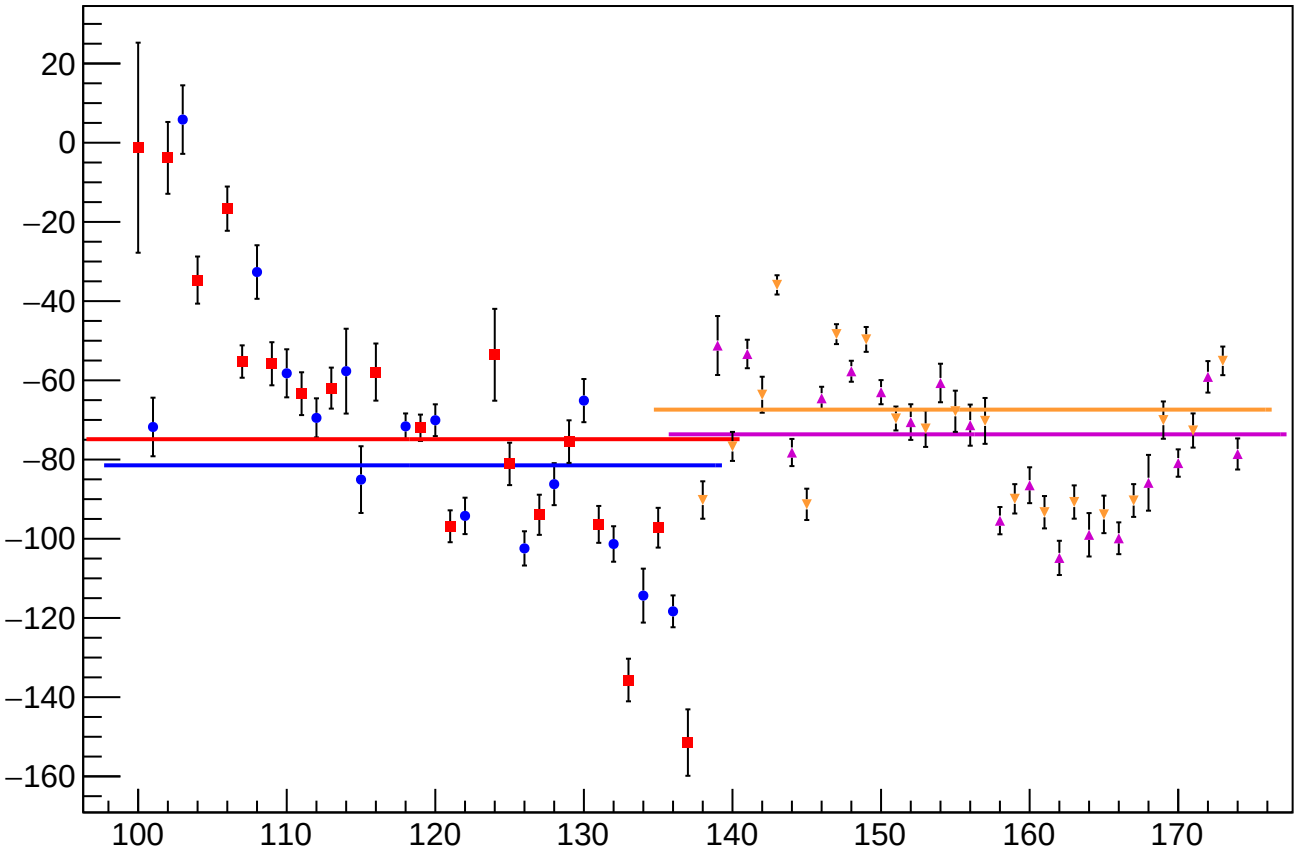
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -237.302+/-1.111 χ^2/NDF:341.9/17

\+ sign -231.632+/-0.807 χ^2/NDF: 2267.7/34

All: -230.166+/-0.571 χ^2/NDF: 5792.8/71

\- 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: -67.395+/-0.860 χ^2/NDF:508.7/18

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

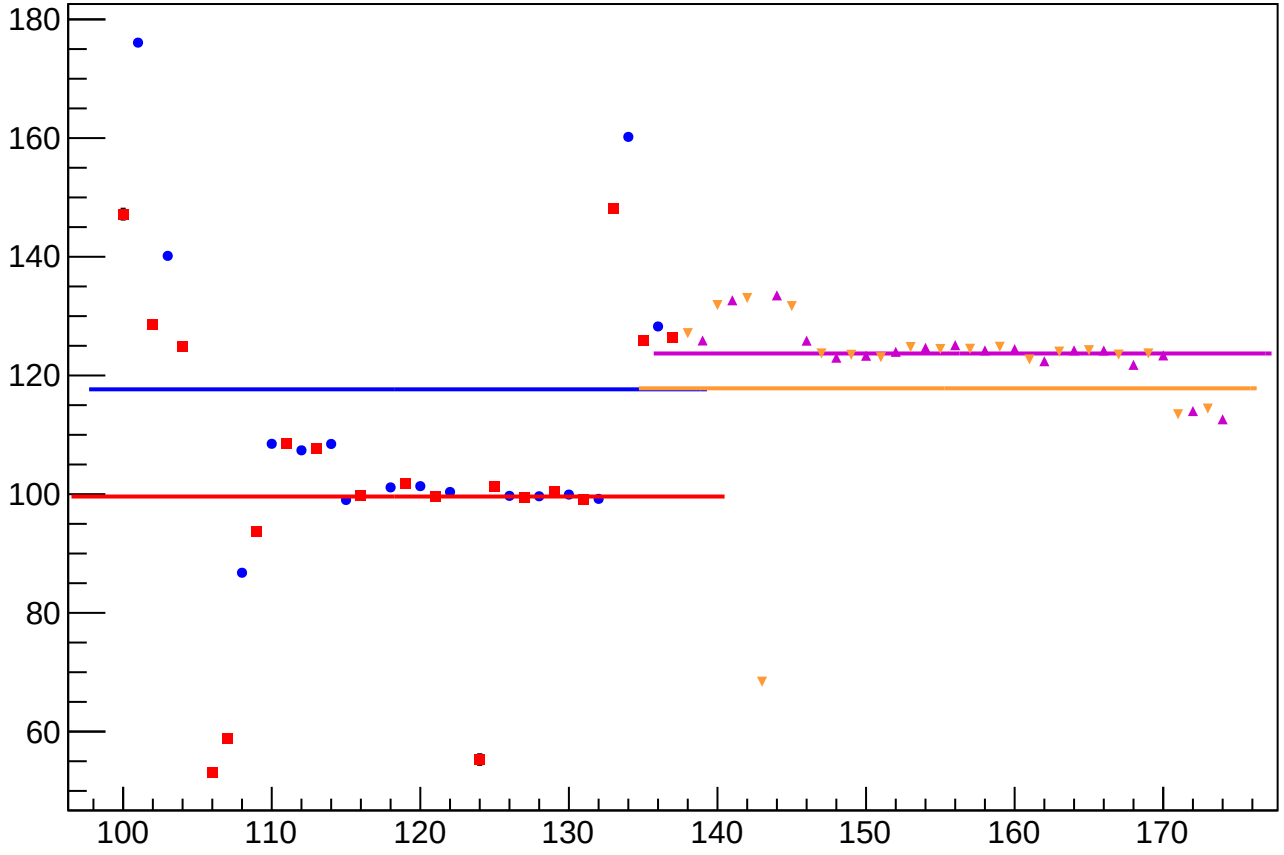
Left In: -73.633+/-0.916 χ^2/NDF:295.3/17

\+ sign -71.741+/-0.715 χ^2/NDF: 957.8/34

All: -72.875+/-0.512 χ^2/NDF: 1835.5/71

\- 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: 117.836+/-0.041 χ^2/NDF:199236.9/18

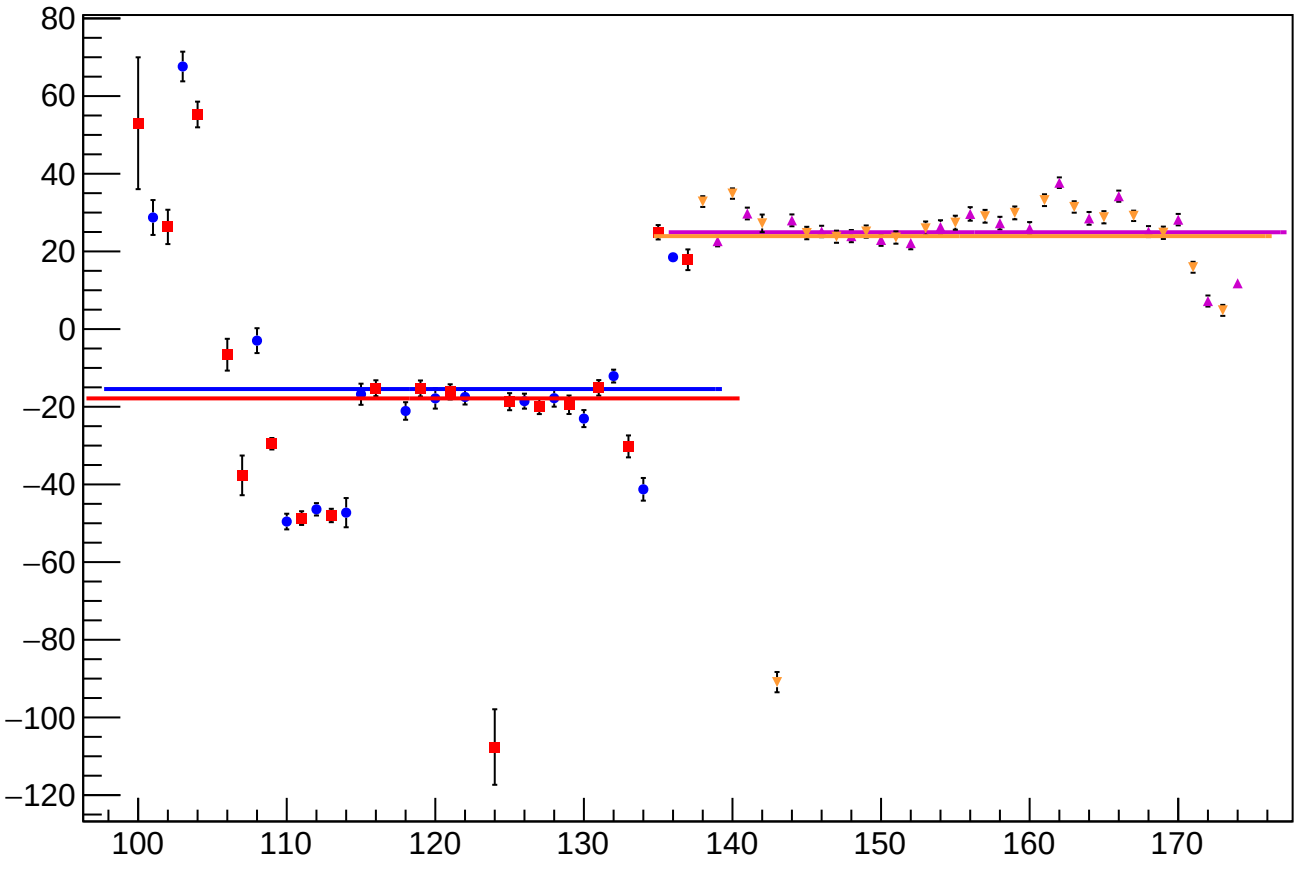
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 123.706+/-0.042 χ^2/NDF:14106.8/17

+ sign 117.799+/-0.036 χ^2/NDF: 294637.8/34

All: 117.595+/-0.026 χ^2/NDF: 561786.9/71

- sign 117.392+/-0.036 χ^2/NDF: 267085.4/36



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.936+/-0.362 χ^2/NDF:2374.4/18

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

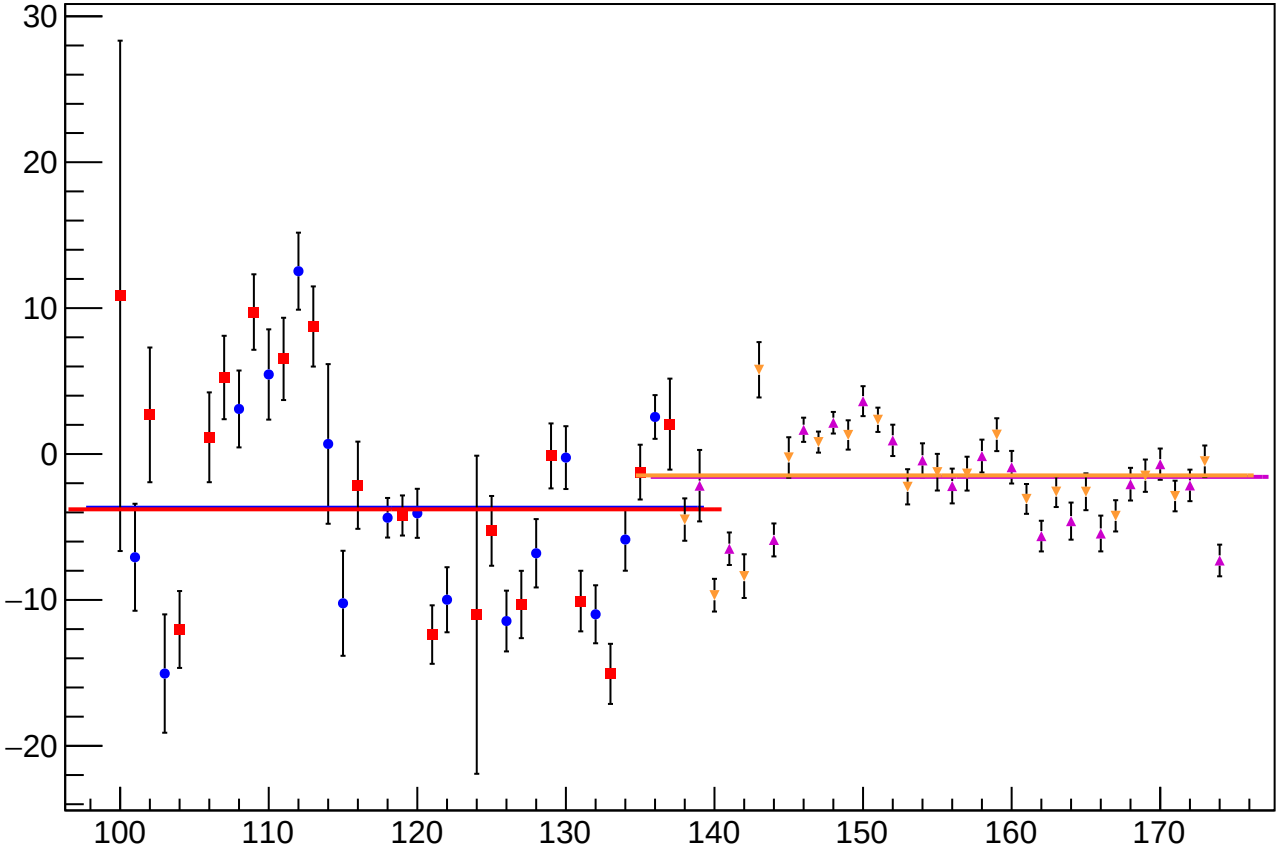
Left In: 24.935+/-0.354 χ^2/NDF:440.2/17

+ sign 11.699+/-0.301 χ^2/NDF: 8175.9/34

All: 11.717+/-0.210 χ^2/NDF: 15253.0/71

- 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: -1.465+/-0.253 χ^2/NDF:153.5/18

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

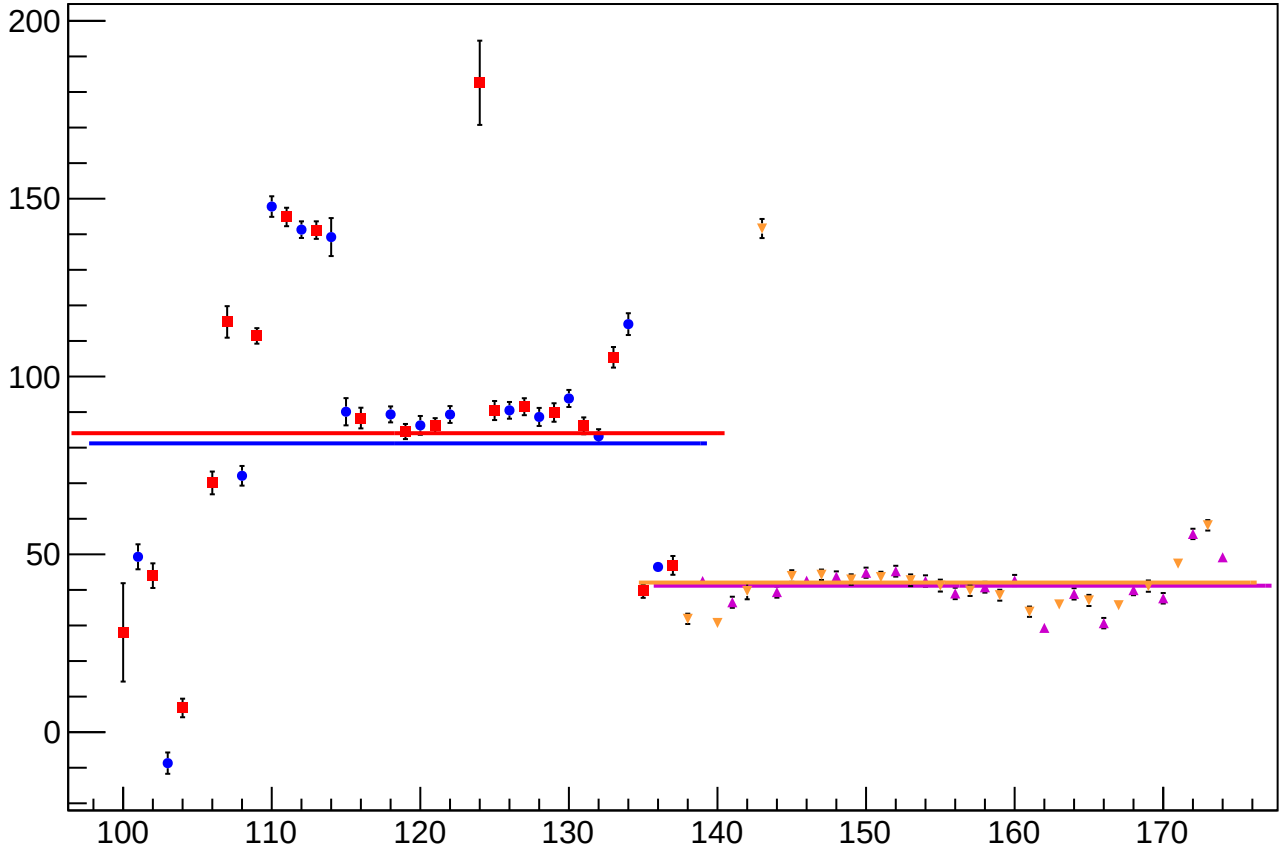
Left In: -1.565+/-0.254 χ^2/NDF:168.3/17

+ sign -1.849+/-0.230 χ^2/NDF: 290.8/34

All: -1.895+/-0.163 χ^2/NDF: 633.3/71

- 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: 42.070+/-0.355 χ^2/NDF:1721.8/18

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

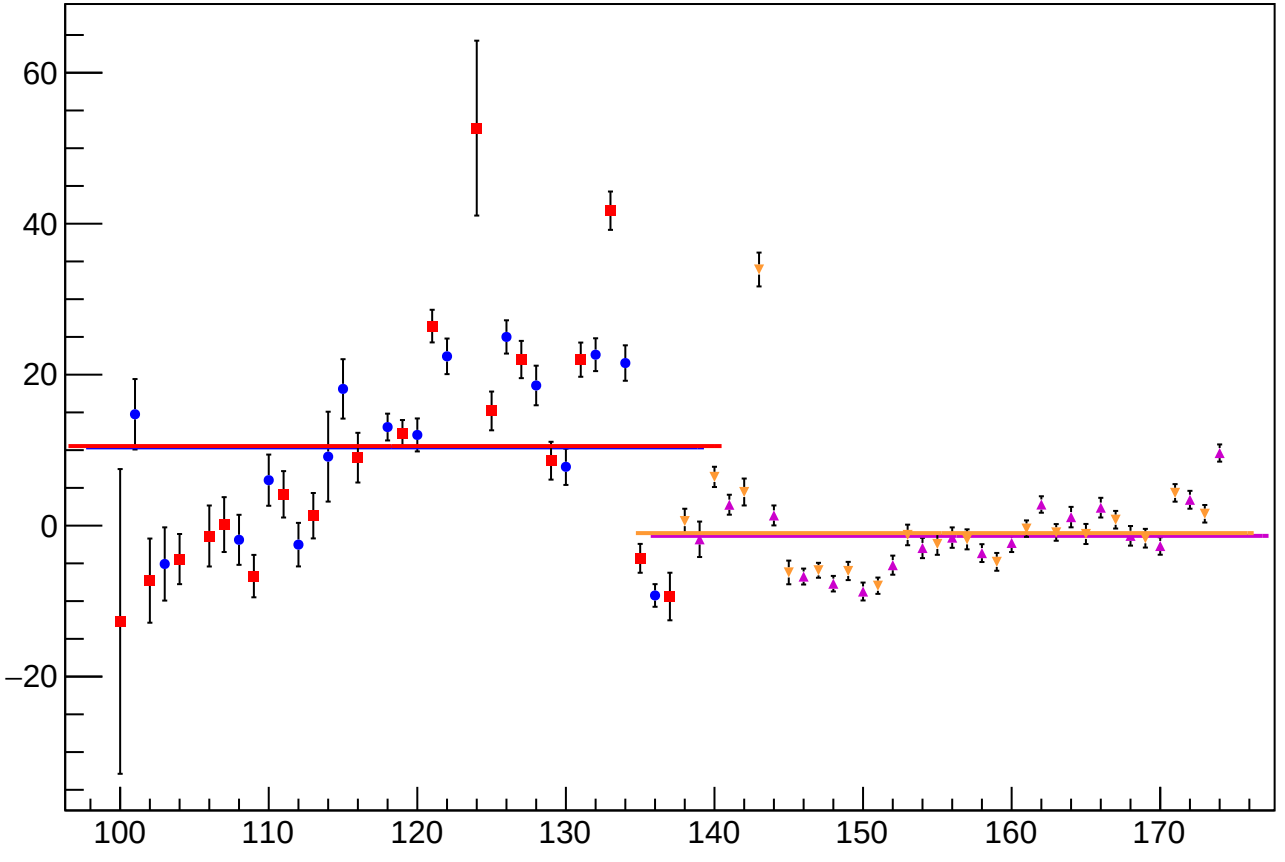
Left In: 41.183+/-0.348 χ^2/NDF:310.9/17

+ sign 52.046+/-0.307 χ^2/NDF: 8048.5/34

All: 51.800+/-0.216 χ^2/NDF: 15237.4/71

- 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: -0.991+/-0.291 χ^2/NDF:419.2/18

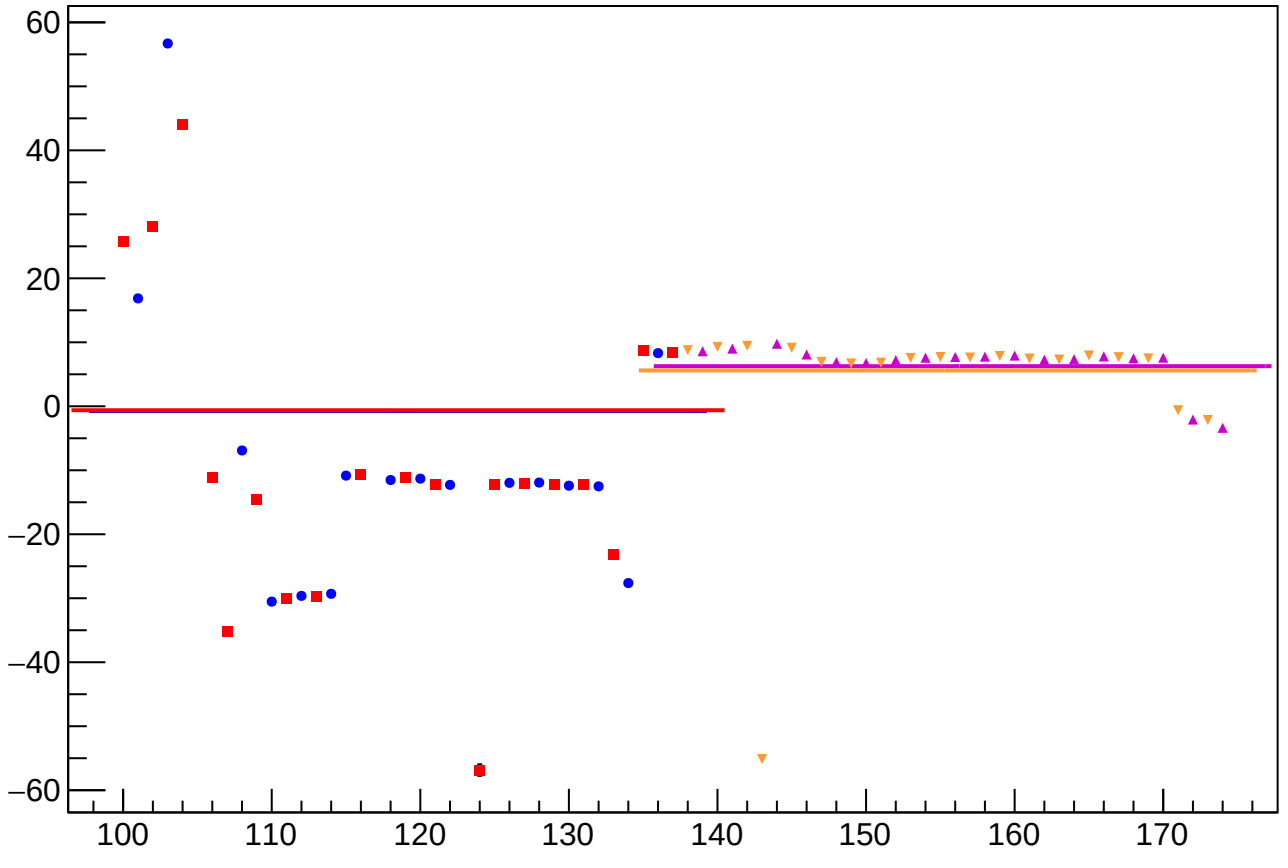
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -1.357+/-0.291 χ^2/NDF:268.3/17

+ sign 1.024+/-0.264 χ^2/NDF: 1049.3/34

All: 0.853+/-0.187 χ^2/NDF: 2075.3/71

- 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: 5.611+/-0.013 χ^2/NDF:360381.5/18

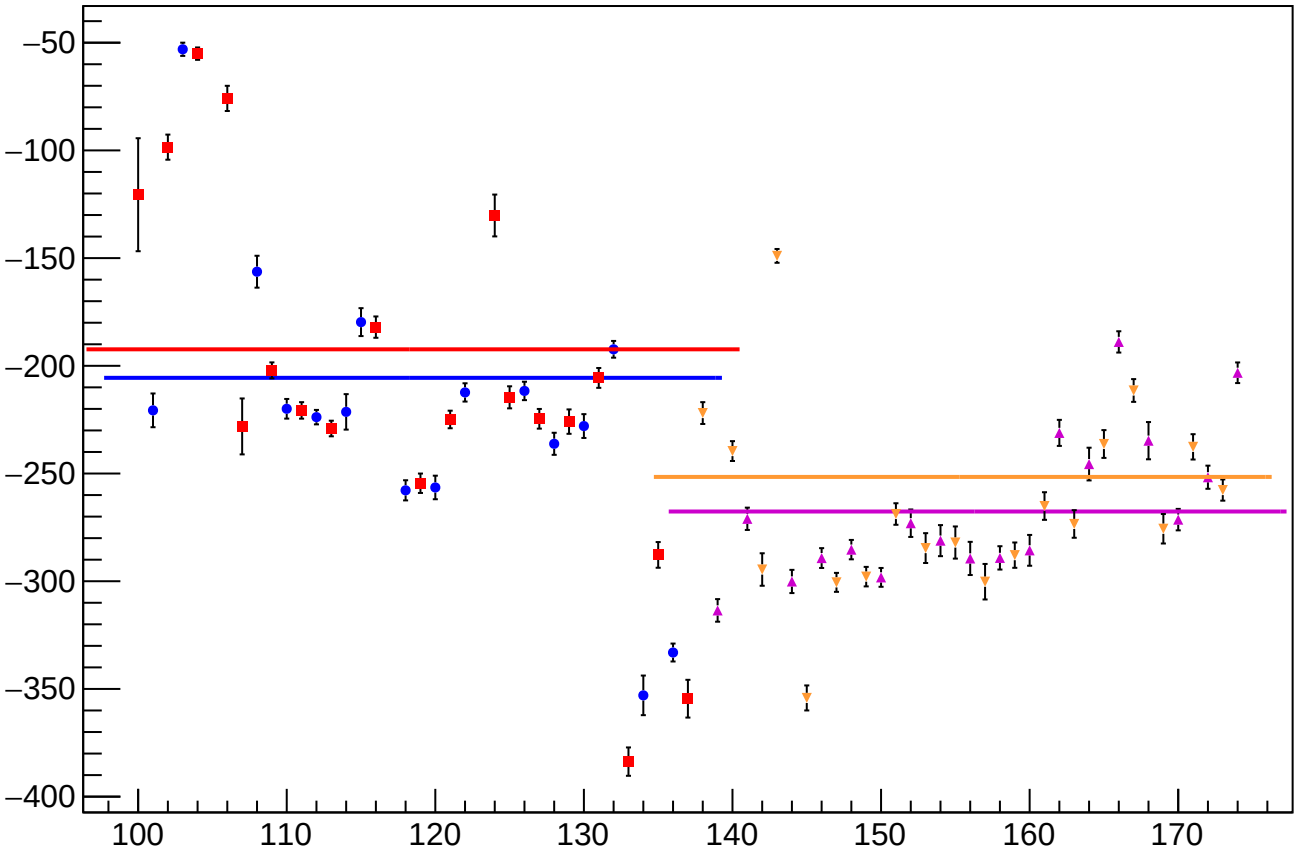
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 6.268+/-0.013 χ^2/NDF:83689.2/17

+ sign 4.859+/-0.012 χ^2/NDF: 756046.3/34

All: 5.206+/-0.009 χ^2/NDF: 1188205.7/71

- 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: -251.578+/-1.237 χ^2/NDF:1859.8/18

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

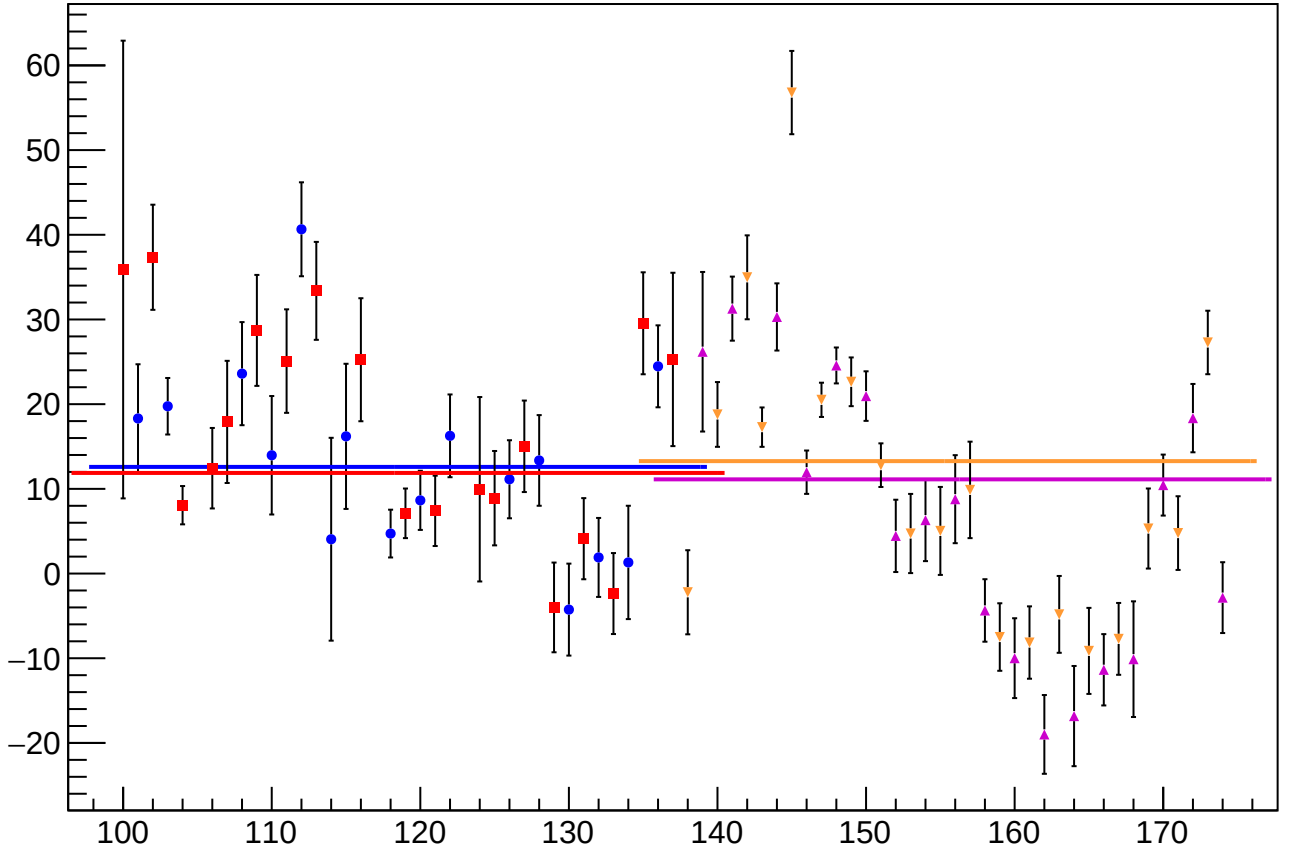
Left In: -267.634+/-1.303 χ^2/NDF:737.8/17

+ sign -227.581+/-0.856 χ^2/NDF: 6637.0/34

All: -225.987+/-0.603 χ^2/NDF: 14267.7/71

- sign -224.413+/-0.850 χ^2/NDF: 7623.8/36

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 13.275+/-0.835 χ^2/NDF:274.7/18

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

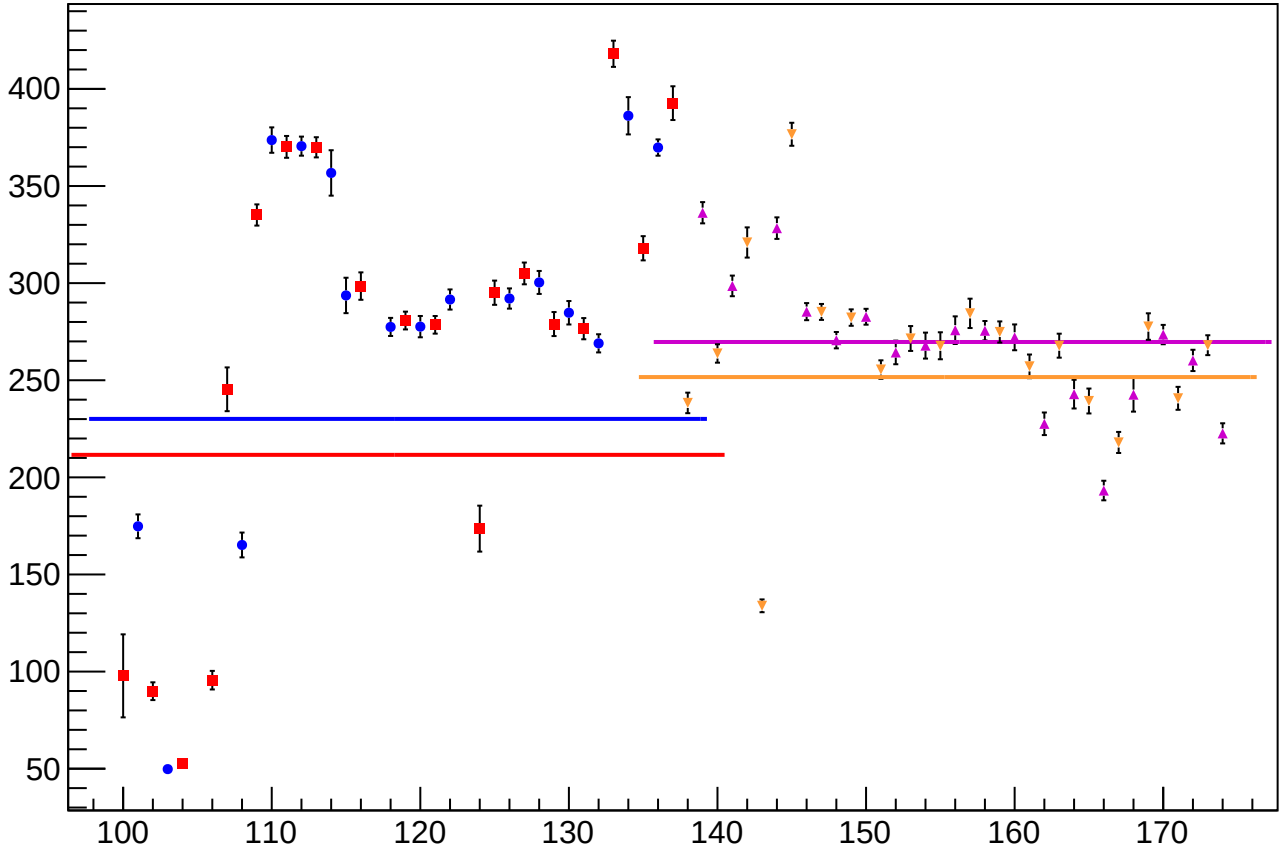
Left In: 11.121+/-0.899 χ^2/NDF:264.1/17

+ sign 13.053+/-0.686 χ^2/NDF: 343.4/34

All: 12.254+/-0.490 χ^2/NDF: 695.5/71

- 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: 251.633+/-1.219 χ^2/NDF:2062.4/18

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

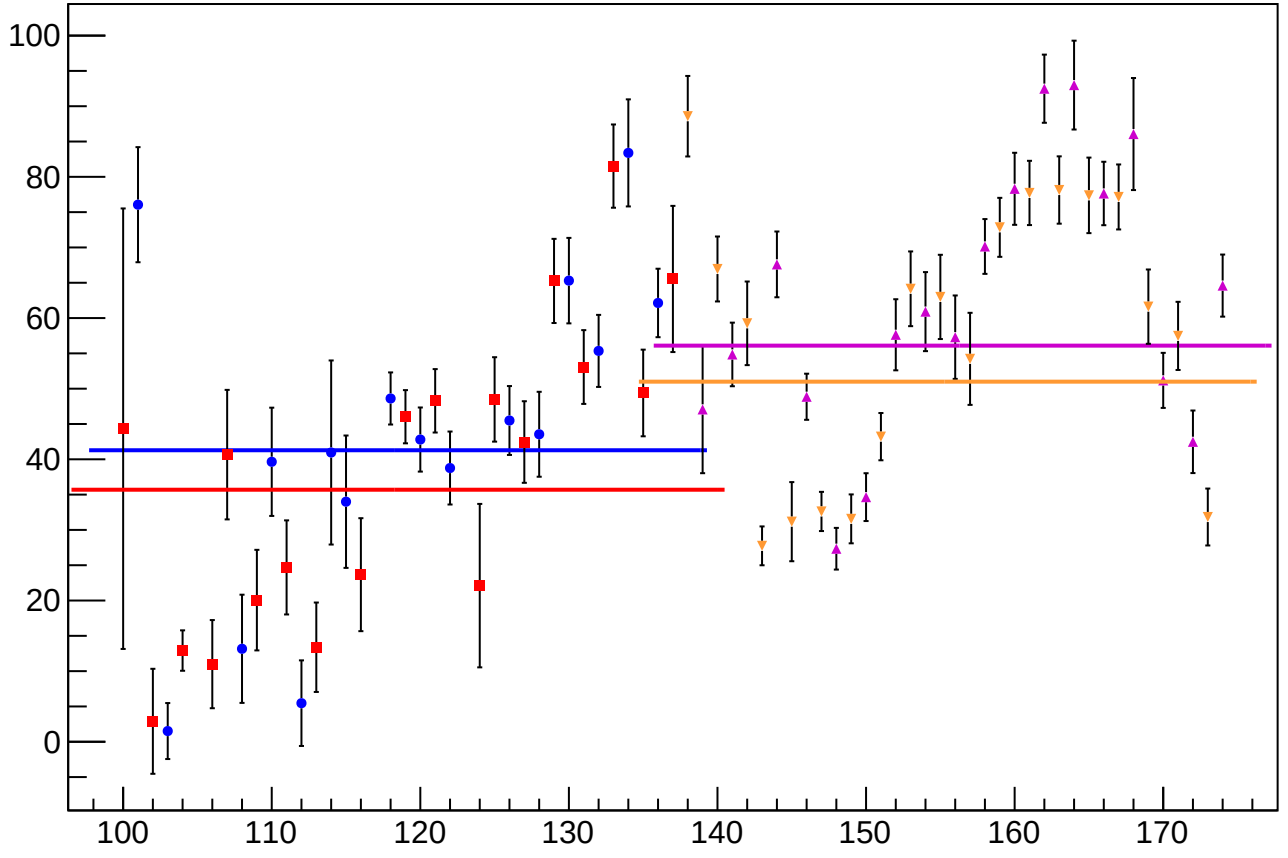
Left In: 269.695+/-1.278 χ^2/NDF:706.8/17

+ sign 241.218+/-0.876 χ^2/NDF: 11589.1/34

All: 239.956+/-0.618 χ^2/NDF: 24875.0/71

- sign 238.703+/-0.873 χ^2/NDF: 13281.7/36

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 50.995+/-0.984 χ^2/NDF:412.1/18

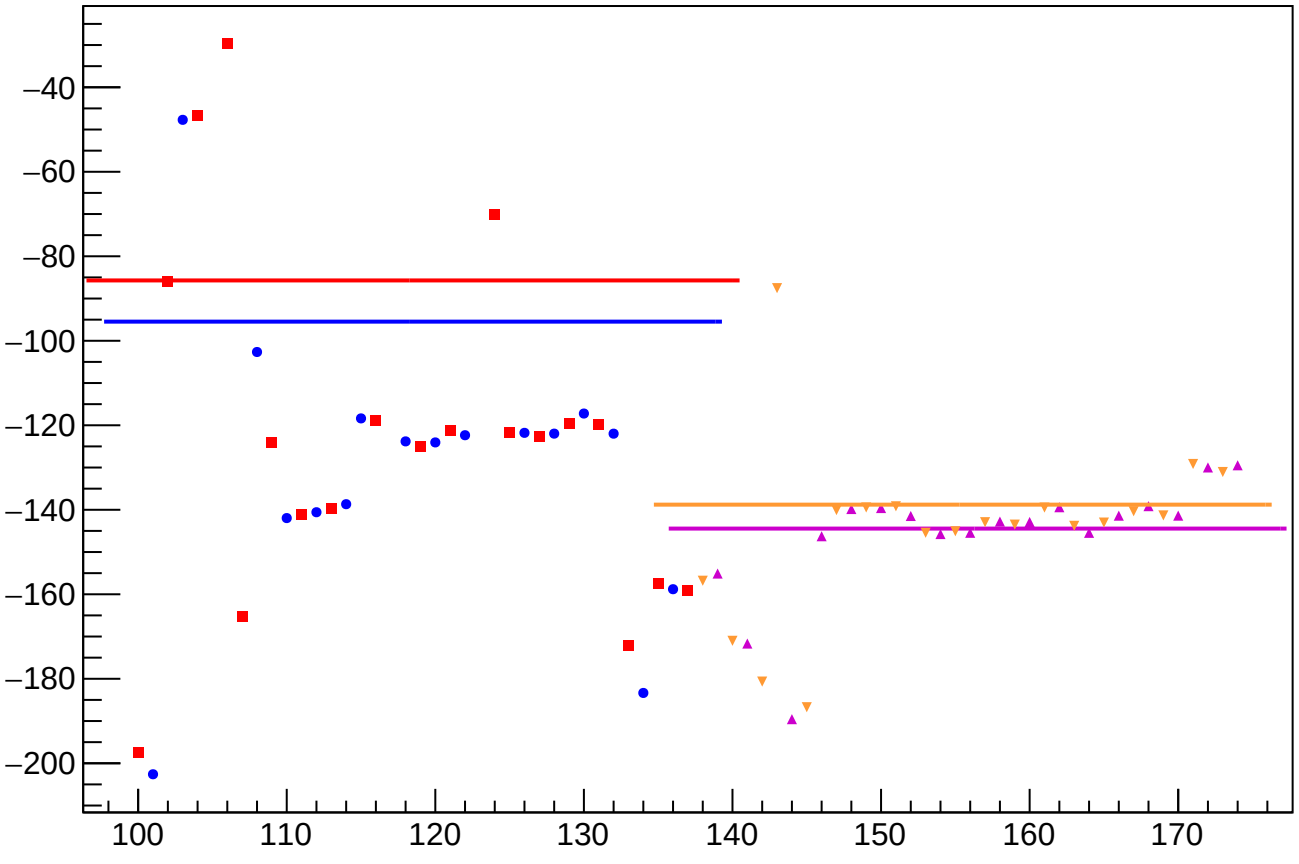
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 56.097+/-1.048 χ^2/NDF:323.4/17

+ sign 47.776+/-0.805 χ^2/NDF: 690.1/34

All: 47.977+/-0.574 χ^2/NDF: 1413.9/71

- 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: -138.785+/-0.047 χ^2/NDF:236293.3/18

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

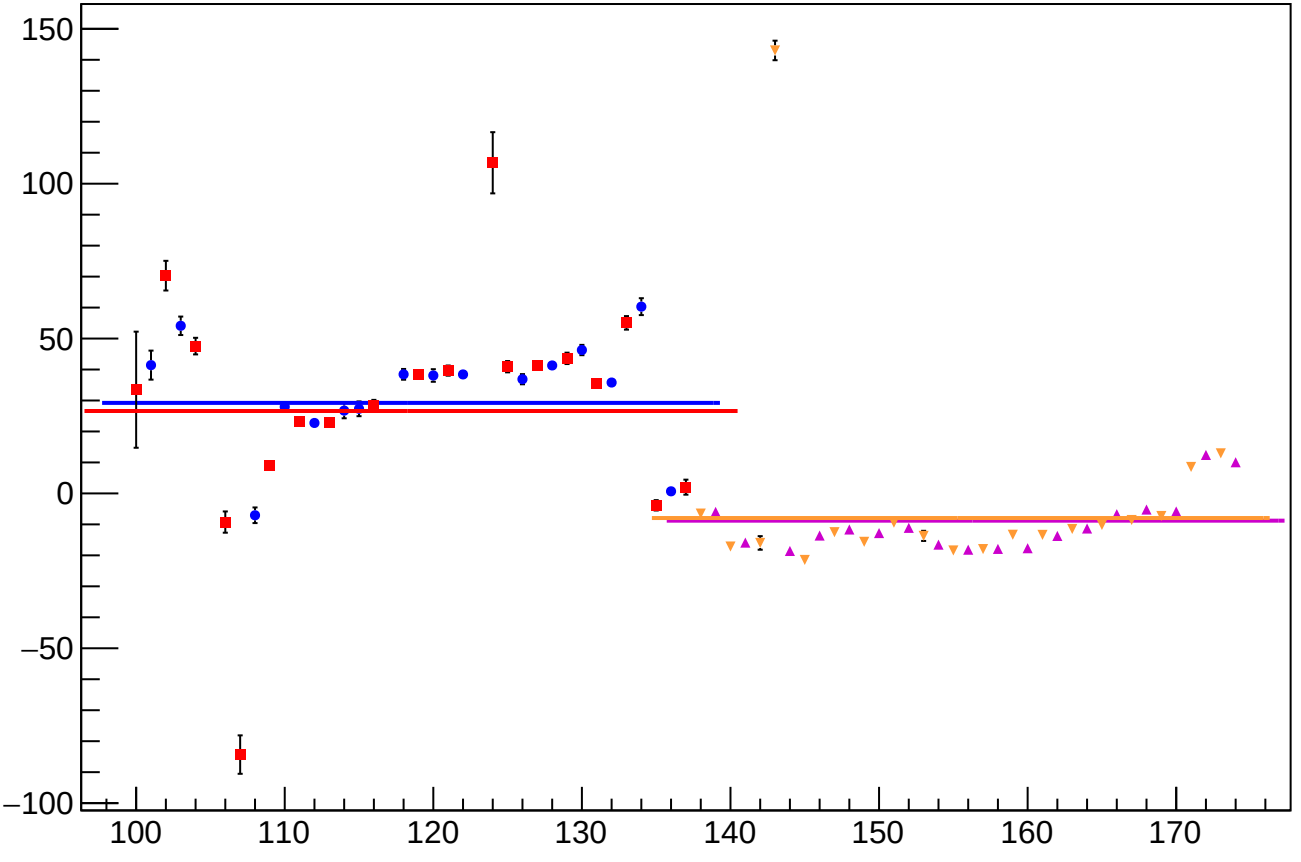
Left In: -144.451+/-0.048 χ^2/NDF:67655.5/17

+ sign -125.259+/-0.039 χ^2/NDF: 1023772.2/34

All: -124.886+/-0.028 χ^2/NDF: 2082556.8/71

- 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: -7.947+/-0.339 χ^2/NDF:3007.7/18

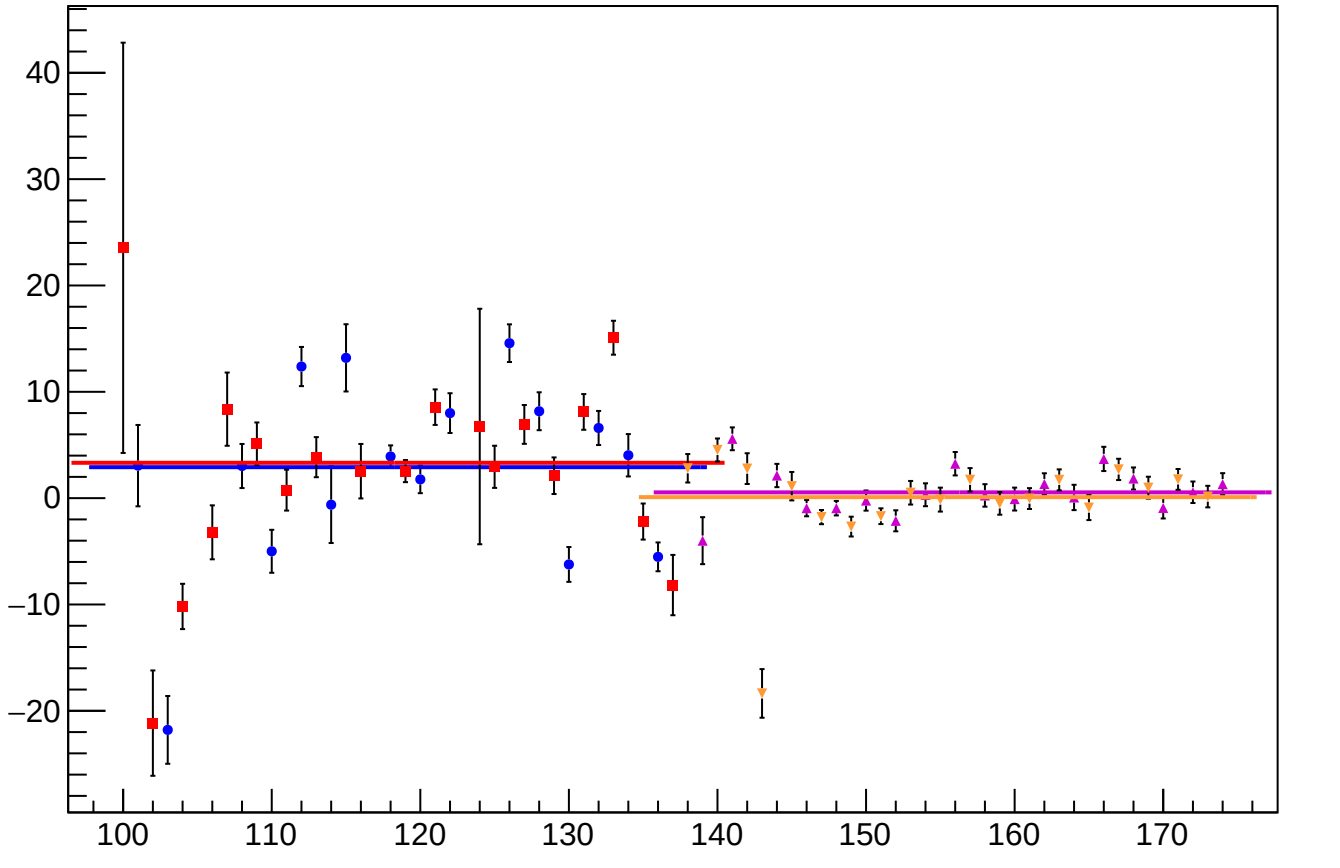
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

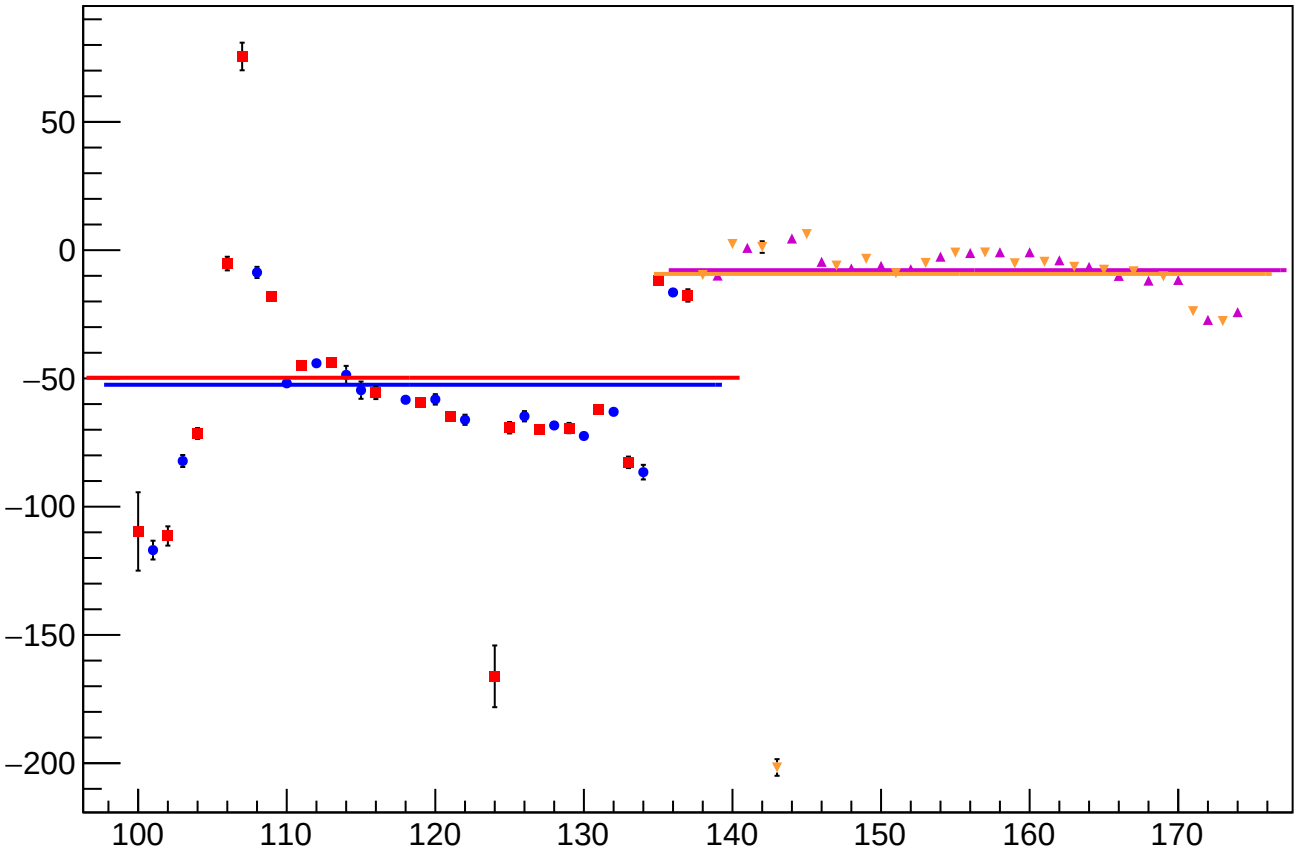
Left In: -8.799+/-0.331 χ^2/NDF:770.2/17

+ sign 6.538+/-0.265 χ^2/NDF: 9036.8/34

All: 5.743+/-0.185 χ^2/NDF: 16210.4/71

- sign 4.986+/-0.258 χ^2/NDF: 7156.0/36


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: 0.095+/-0.236 χ²/NDF:129.4/18
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.543+/-0.238 χ²/NDF:63.9/17
+ sign 0.719+/-0.208 χ²/NDF: 410.9/34
All: 0.929+/-0.148 χ²/NDF: 688.2/71
- sign 1.144+/-0.211 χ²/NDF: 275.2/36



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -9.252+/-0.332 χ^2/NDF:4135.9/18

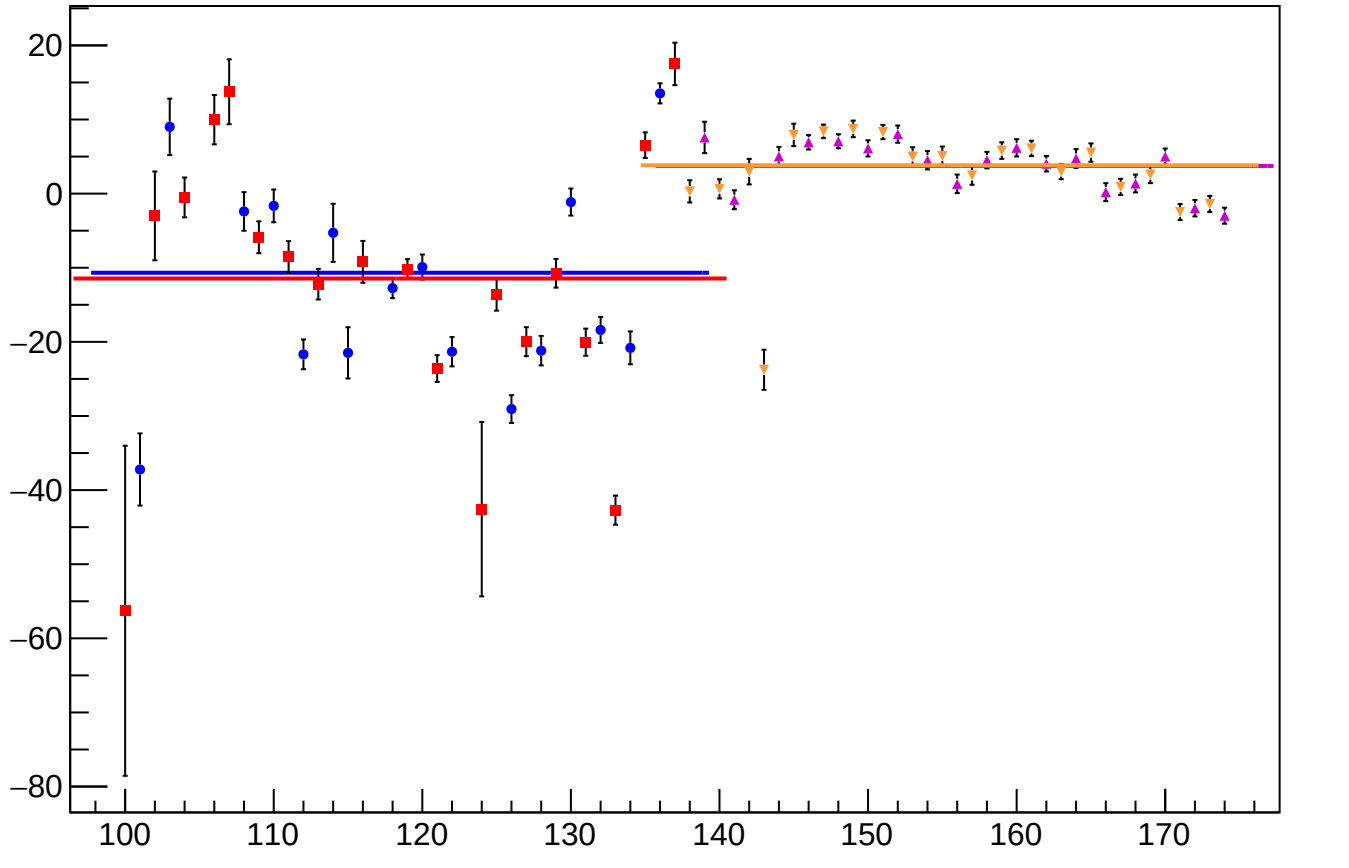
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -7.805+/-0.325 χ^2/NDF:591.1/17

+ sign -22.950+/-0.275 χ^2/NDF: 11827.2/34

All: -21.704+/-0.193 χ^2/NDF: 20493.3/71

- 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: 3.823+/-0.272 χ^2/NDF:268.0/18

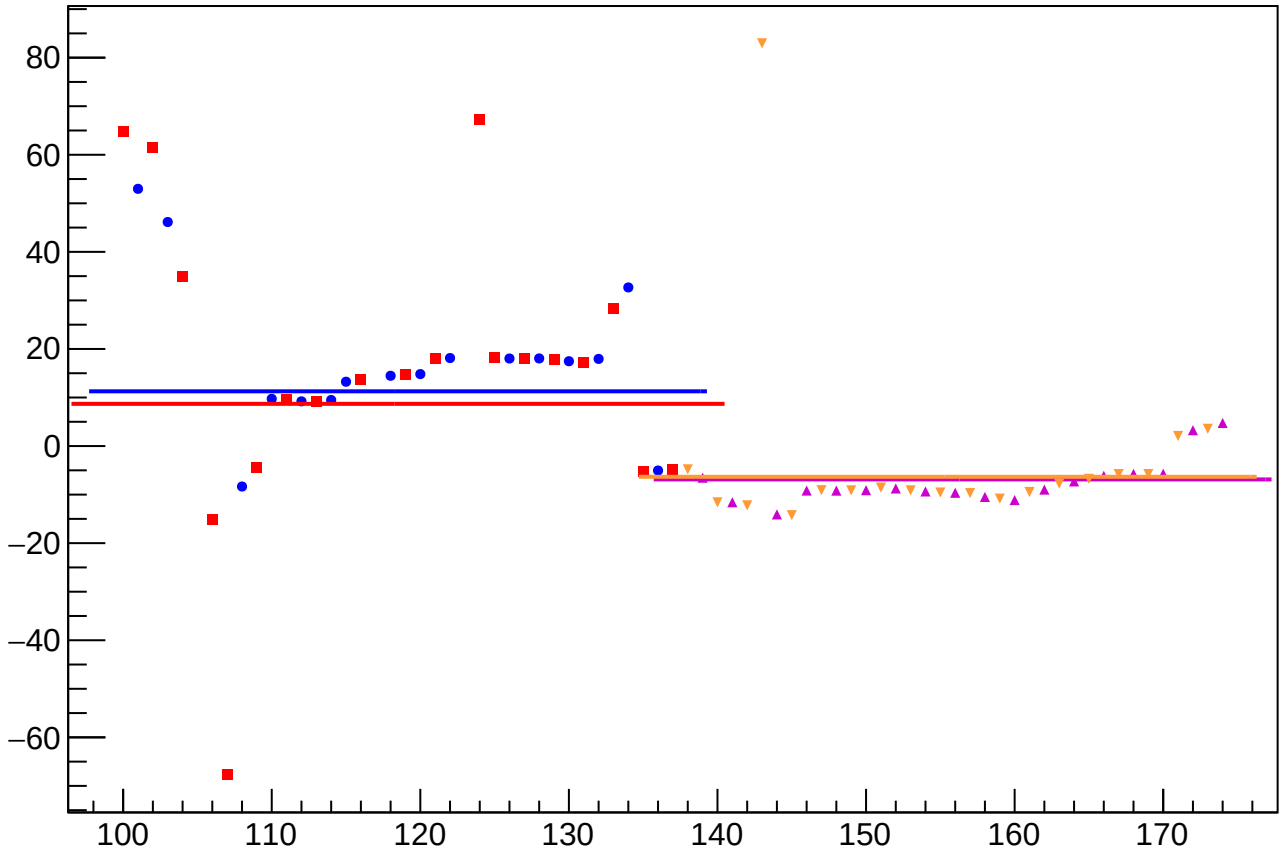
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 3.734+/-0.272 χ^2/NDF:147.2/17

+ sign 0.565+/-0.240 χ^2/NDF: 1572.2/34

All: 0.495+/-0.170 χ^2/NDF: 3062.3/71

- 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: -6.331+/-0.012 χ^2/NDF:575745.9/18

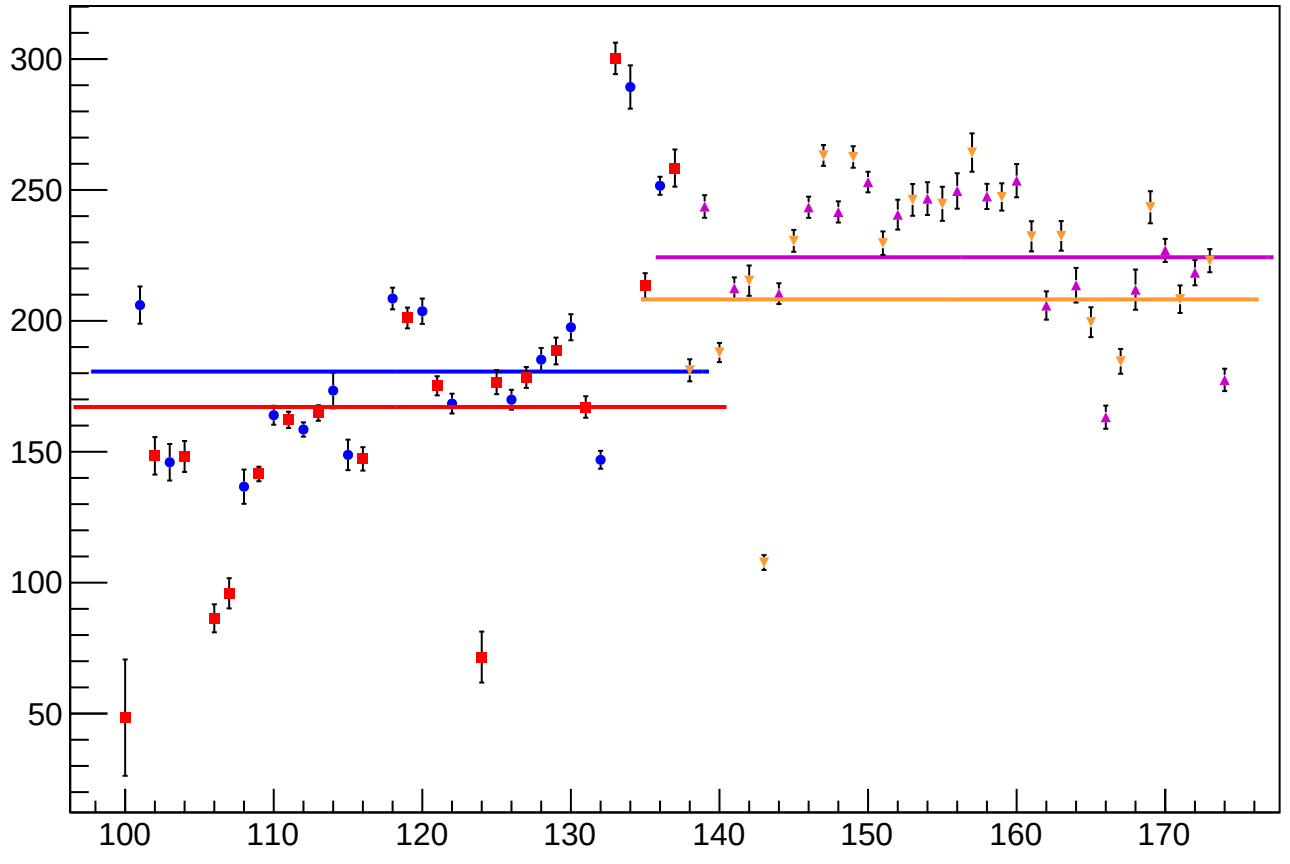
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -6.873+/-0.012 χ^2/NDF:160685.9/17

+ sign -3.794+/-0.011 χ^2/NDF: 1221477.4/34

All: -4.355+/-0.008 χ^2/NDF: 2037560.2/71

- 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: 208.201+/-1.072 χ^2/NDF:2034.4/18

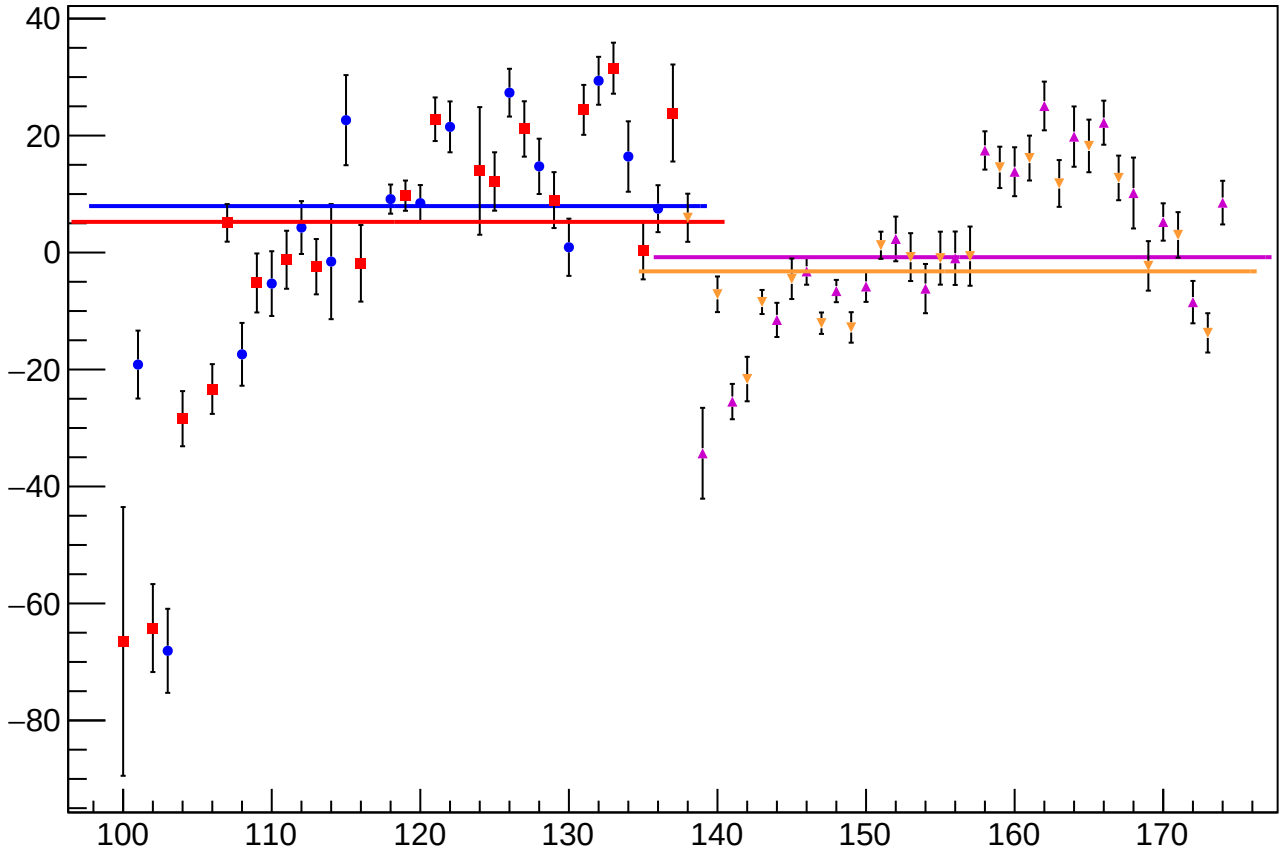
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 224.293+/-1.130 χ^2/NDF:543.8/17

+ sign 194.643+/-0.764 χ^2/NDF: 3353.1/34

All: 193.711+/-0.538 χ^2/NDF: 6794.5/71

- 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: -3.215+/-0.731 χ^2/NDF:195.7/18

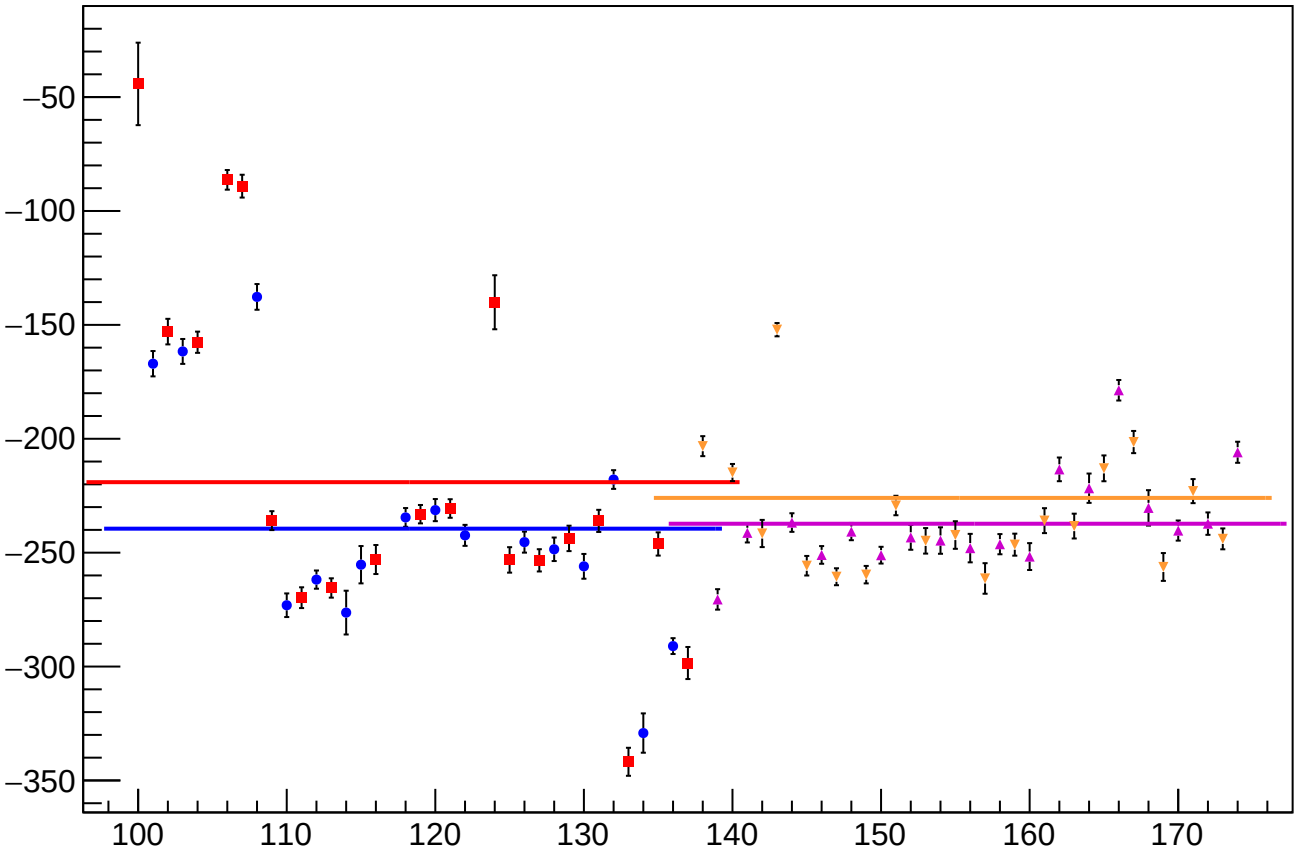
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -0.793+/-0.786 χ^2/NDF:267.8/17

+ sign 0.146+/-0.611 χ^2/NDF: 498.8/34

All: 0.725+/-0.439 χ^2/NDF: 1092.2/71

- sign 1.344+/-0.632 χ^2/NDF: 591.6/36



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.964+/-1.059 χ^2/NDF:1037.3/18

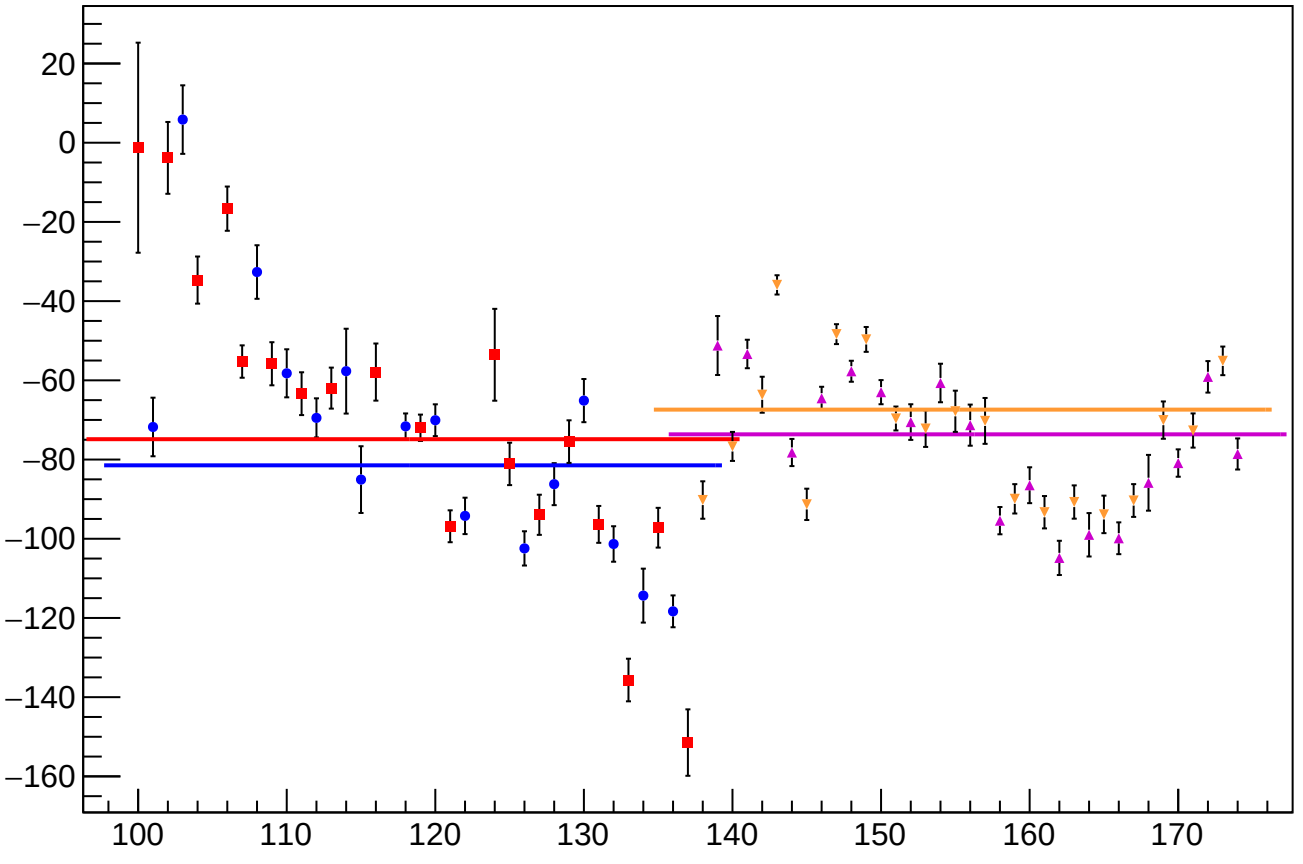
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -237.302+/-1.111 χ^2/NDF:341.9/17

\+ sign -231.632+/-0.807 χ^2/NDF: 2267.7/34

All: -230.166+/-0.571 χ^2/NDF: 5792.8/71

\- 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: -67.395+/-0.860 χ^2/NDF:508.7/18

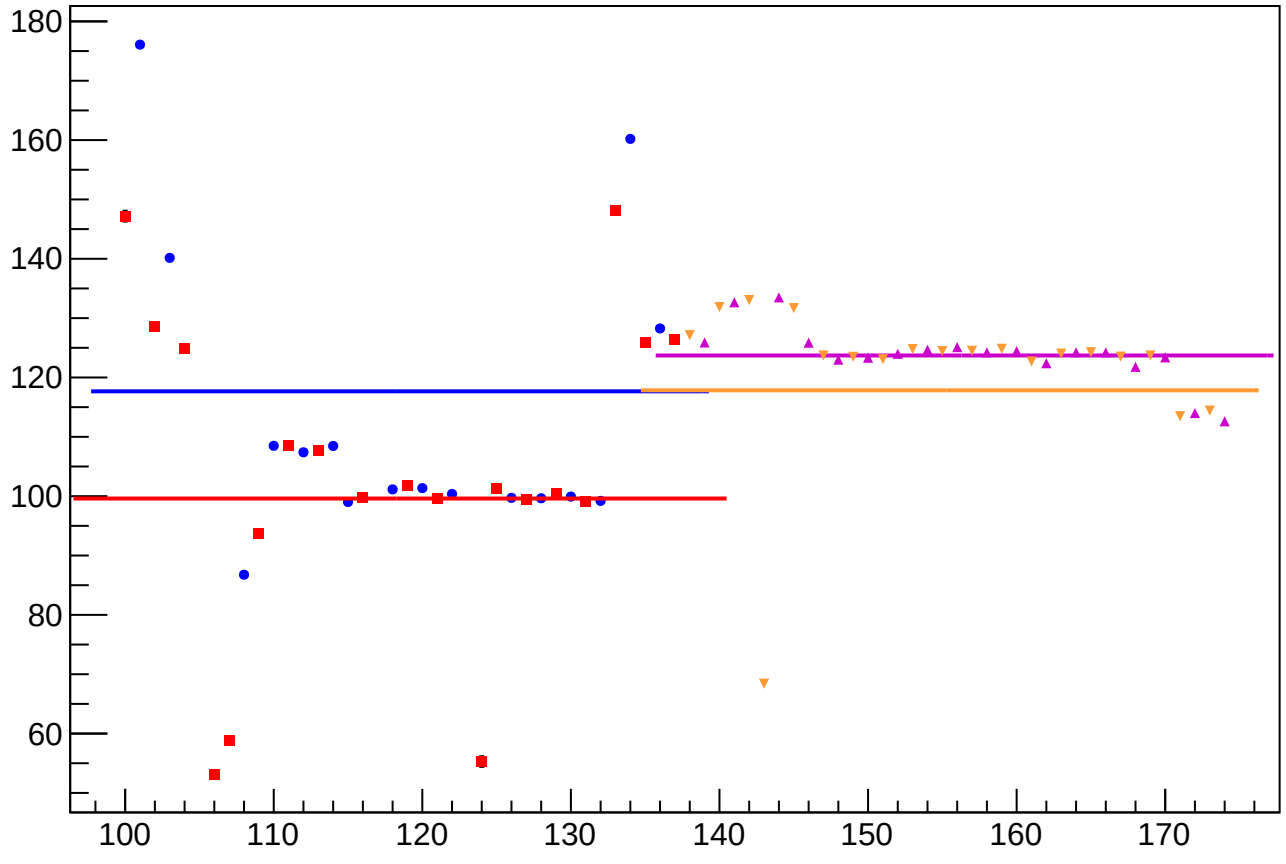
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -73.633+/-0.916 χ^2/NDF:295.3/17

\+ sign -71.741+/-0.715 χ^2/NDF: 957.8/34

All: -72.875+/-0.512 χ^2/NDF: 1835.5/71

\- 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: 117.836+/-0.041 χ^2/NDF:199236.9/18

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

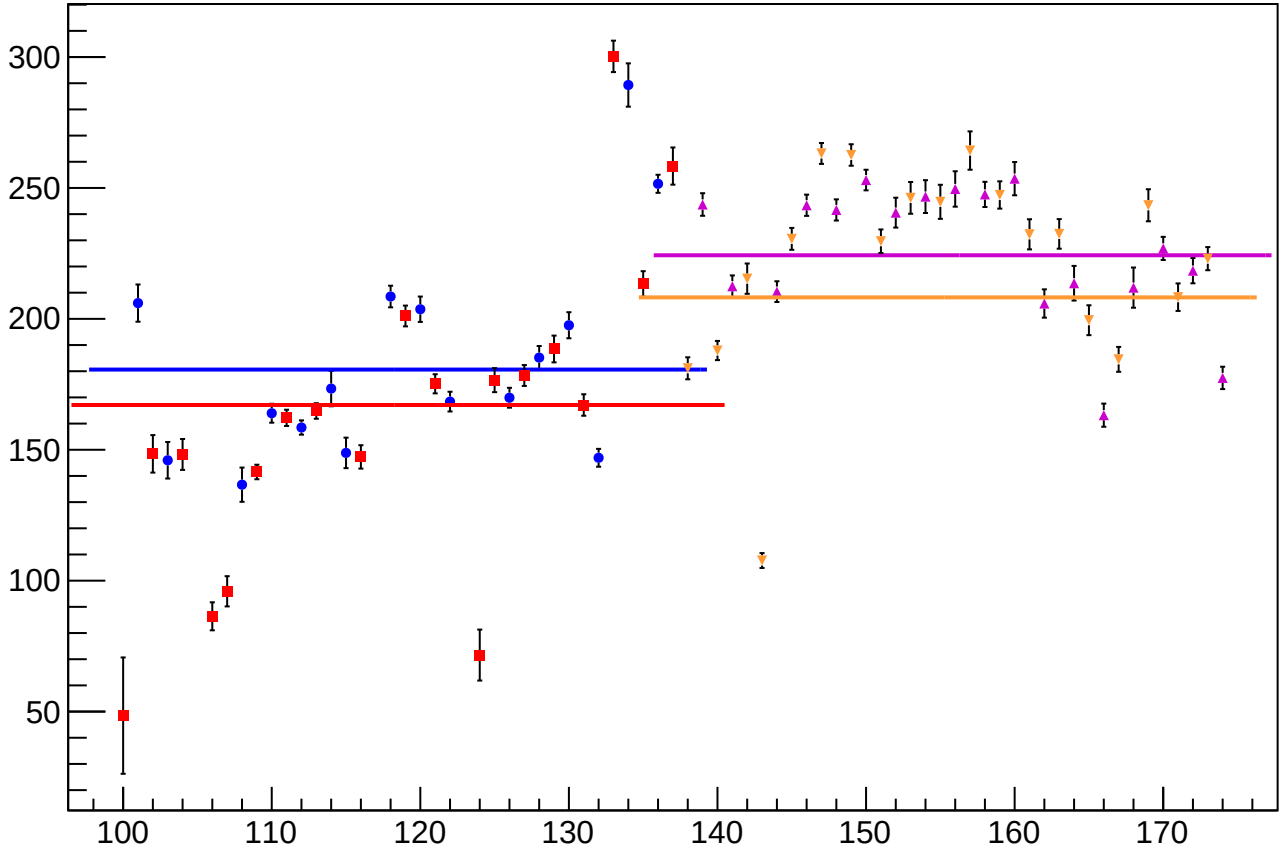
Left In: 123.706+/-0.042 χ^2/NDF:14106.8/17

\+ sign 117.799+/-0.036 χ^2/NDF: 294637.8/34

All: 117.595+/-0.026 χ^2/NDF: 561786.9/71

\- 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: 208.201+/-1.072 χ^2/NDF:2034.4/18

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 194.643+/-0.764 χ^2/NDF: 3353.1/34

All: 193.711+/-0.538 χ^2/NDF: 6794.5/71

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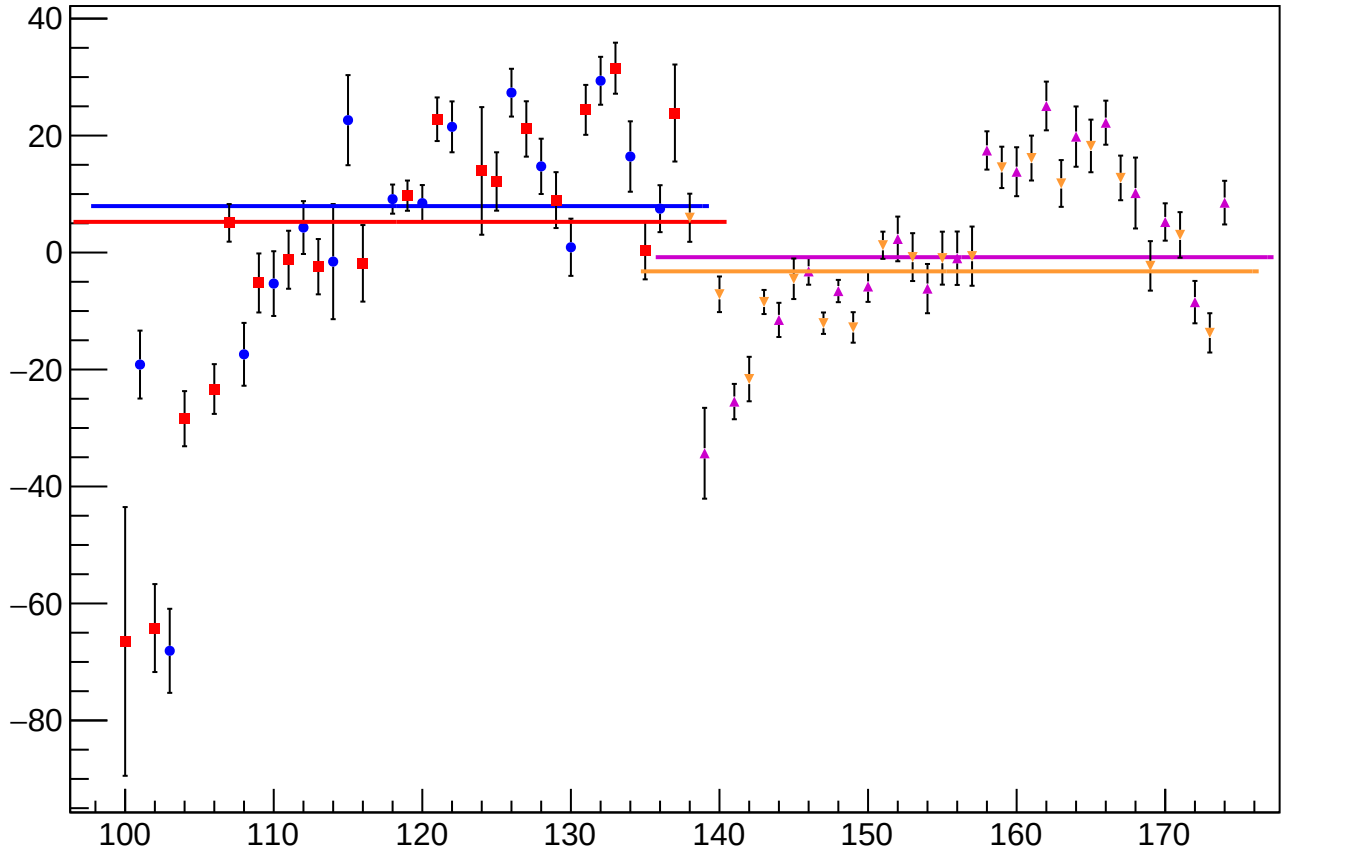


Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -3.215+/-0.731 χ^2/NDF:195.7/18

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

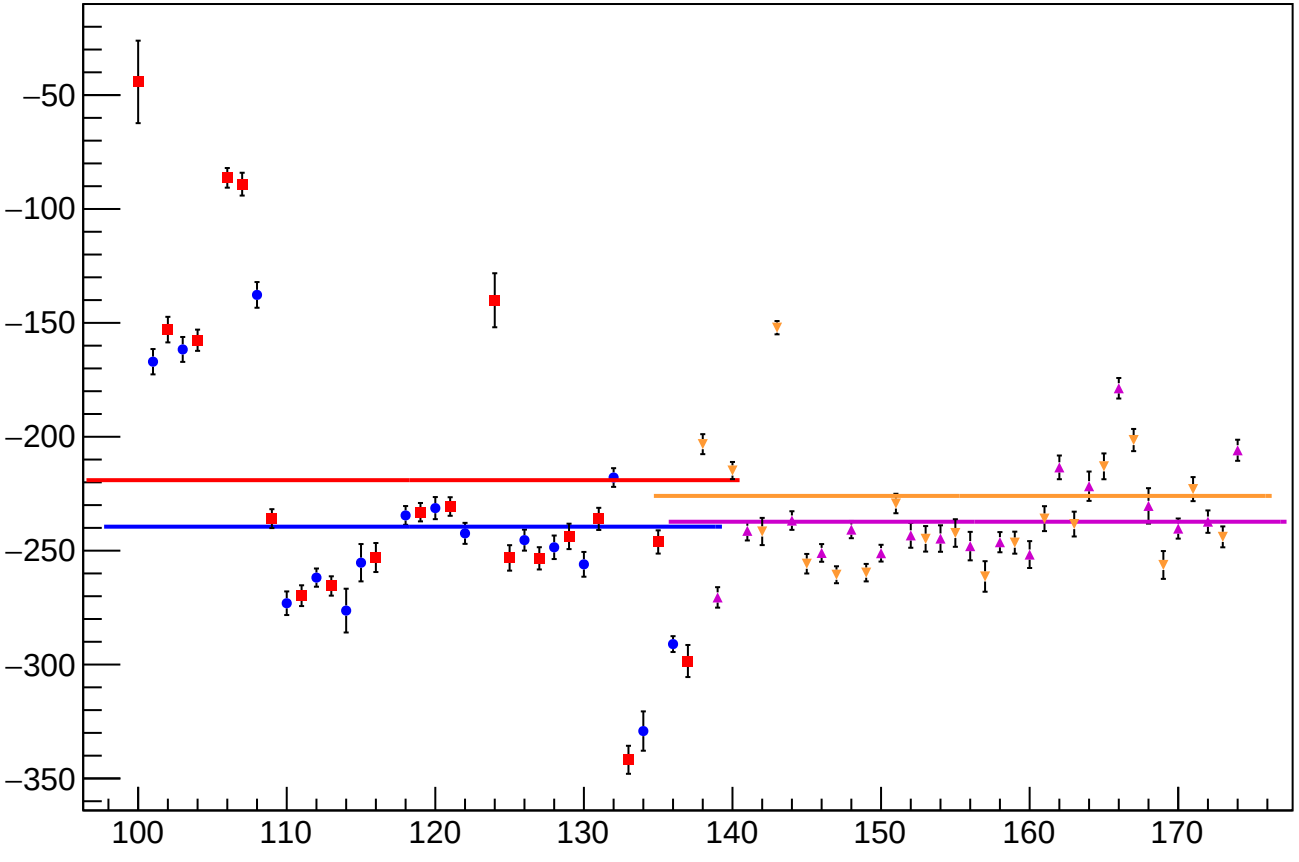
Left In: -0.793+/-0.786 χ^2/NDF:267.8/17

+ sign 0.146+/-0.611 χ^2/NDF: 498.8/34

All: 0.725+/-0.439 χ^2/NDF: 1092.2/71

- sign 1.344+/-0.632 χ^2/NDF: 591.6/36

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug



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Left Out: -225.964+/-1.059 χ^2/NDF:1037.3/18

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+ sign -231.632+/-0.807 χ^2/NDF: 2267.7/34

All: -230.166+/-0.571 χ^2/NDF: 5792.8/71

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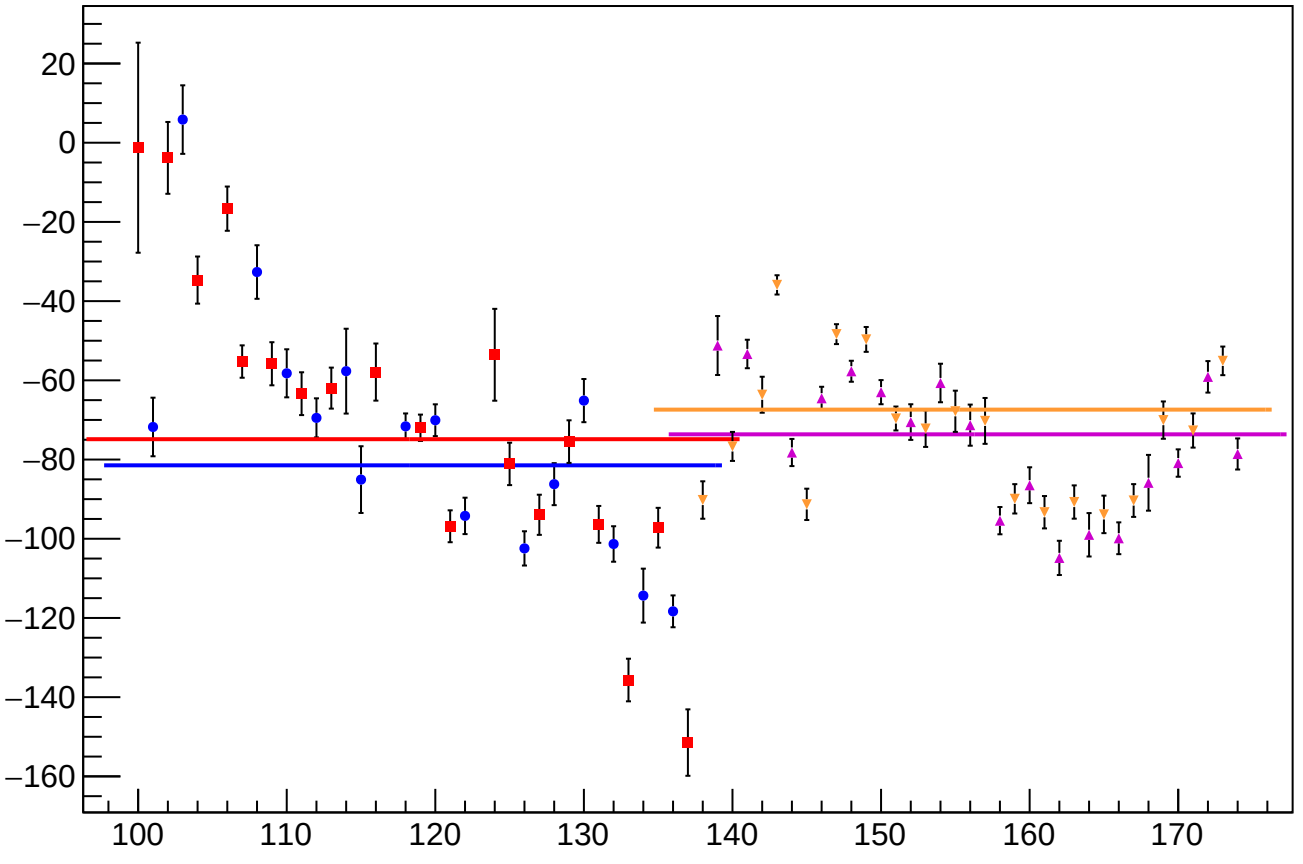

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Left Out: -67.395+/-0.860 χ^2/NDF:508.7/18

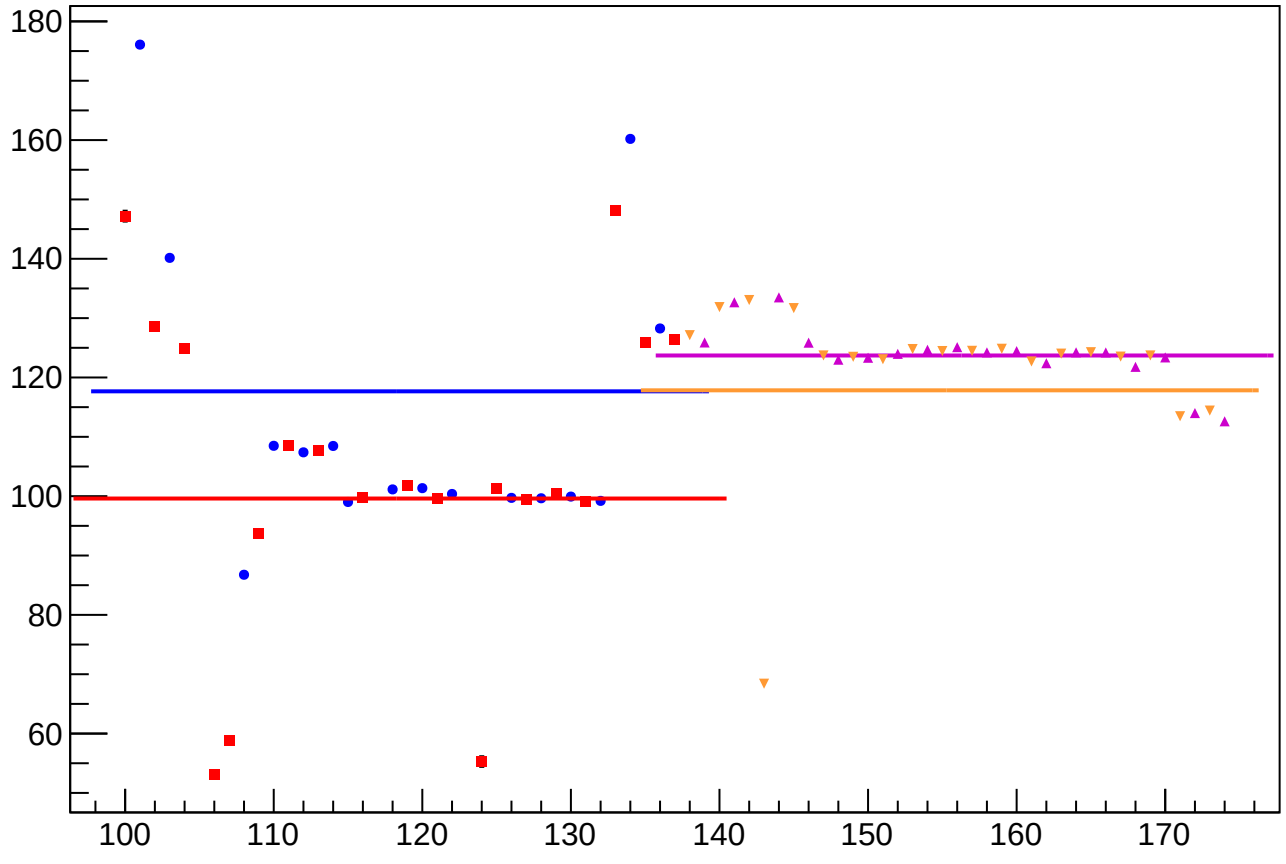
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -73.633+/-0.916 χ^2/NDF:295.3/17

+ sign -71.741+/-0.715 χ^2/NDF: 957.8/34

All: -72.875+/-0.512 χ^2/NDF: 1835.5/71

- sign -74.071+/-0.735 χ^2/NDF: 872.5/36



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Left Out: 117.836+/-0.041 χ^2/NDF:199236.9/18

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 117.799+/-0.036 χ^2/NDF: 294637.8/34

All: 117.595+/-0.026 χ^2/NDF: 561786.9/71

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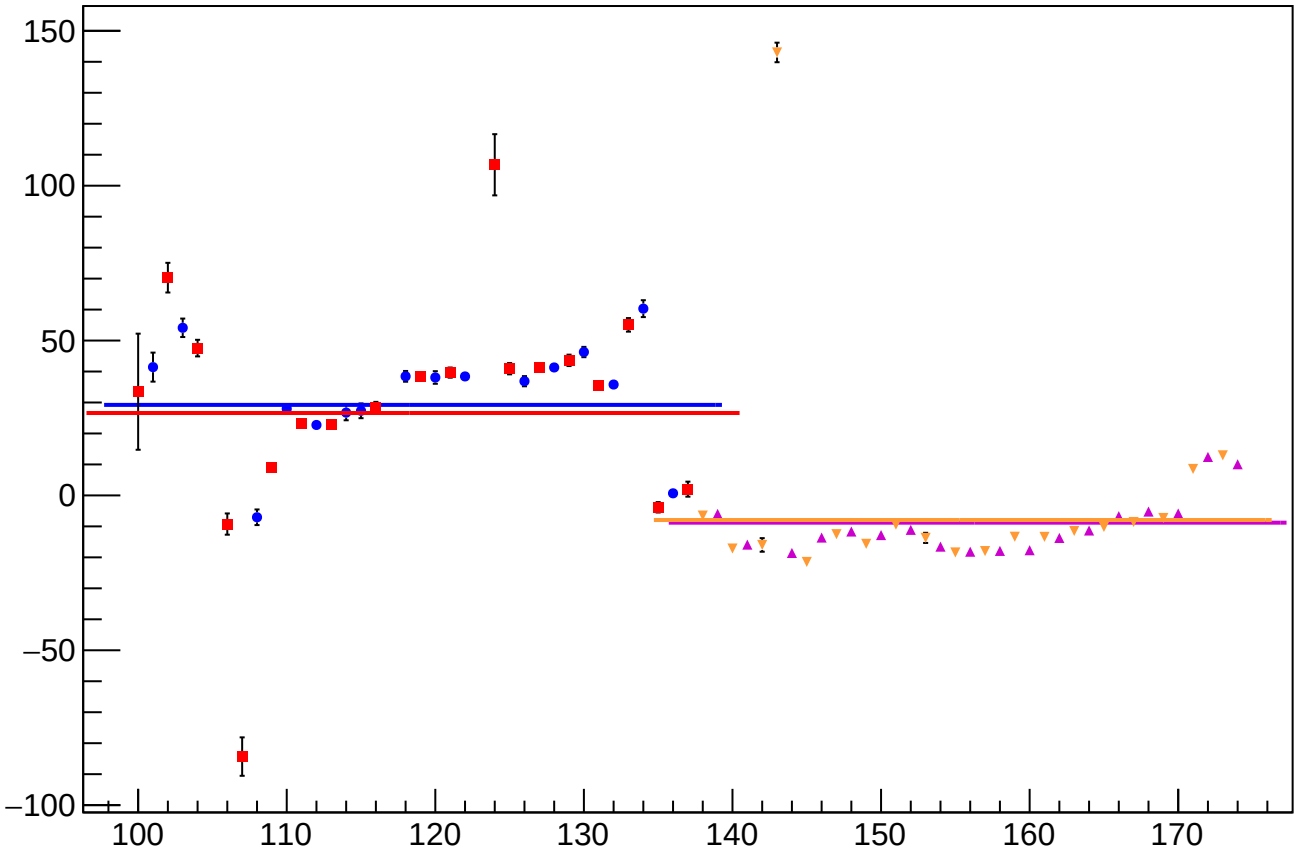

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Left Out: -7.947+/-0.339 χ^2/NDF:3007.7/18

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+ sign 6.538+/-0.265 χ^2/NDF: 9036.8/34

All: 5.743+/-0.185 χ^2/NDF: 16210.4/71

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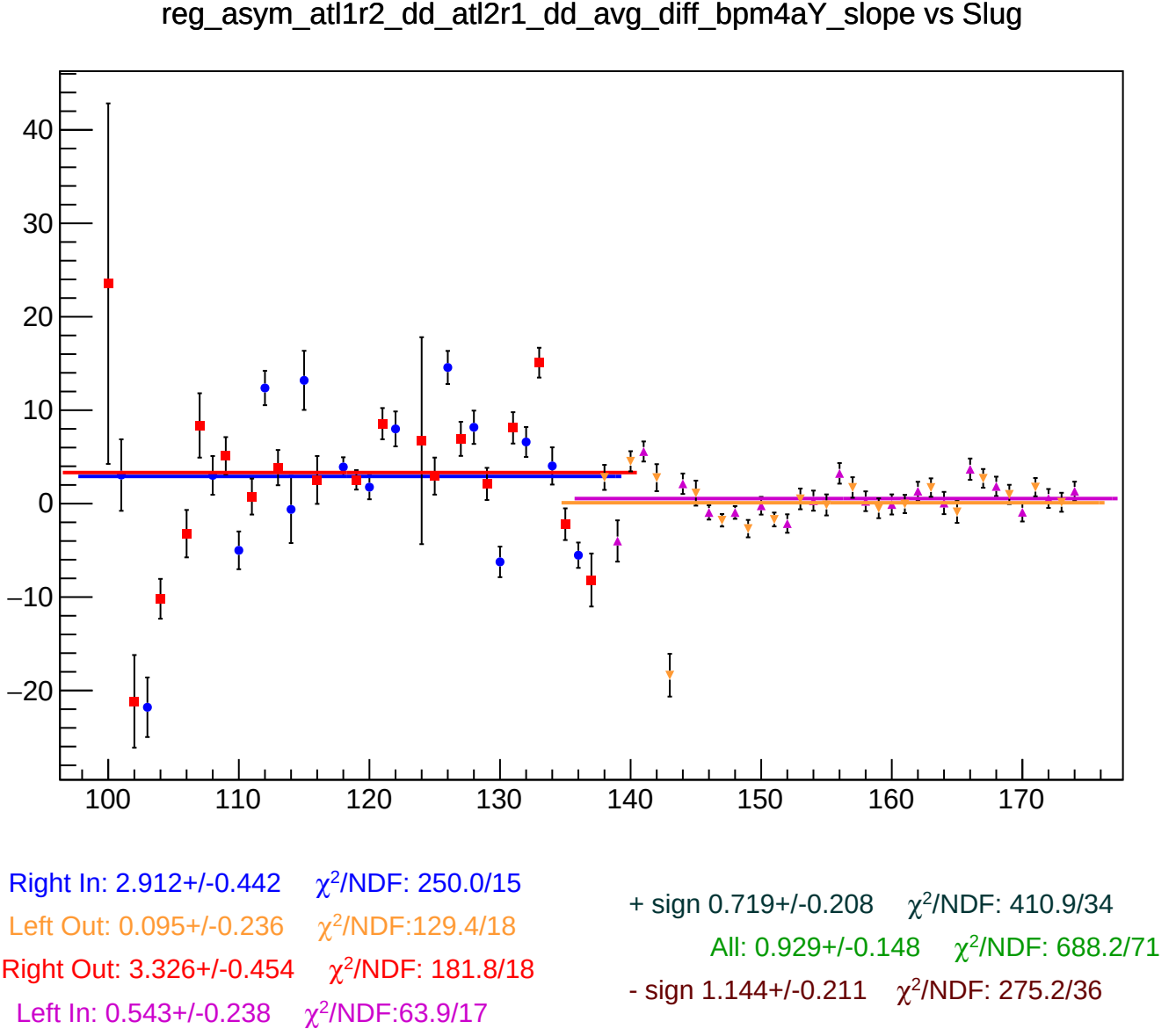
reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug
40
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−20
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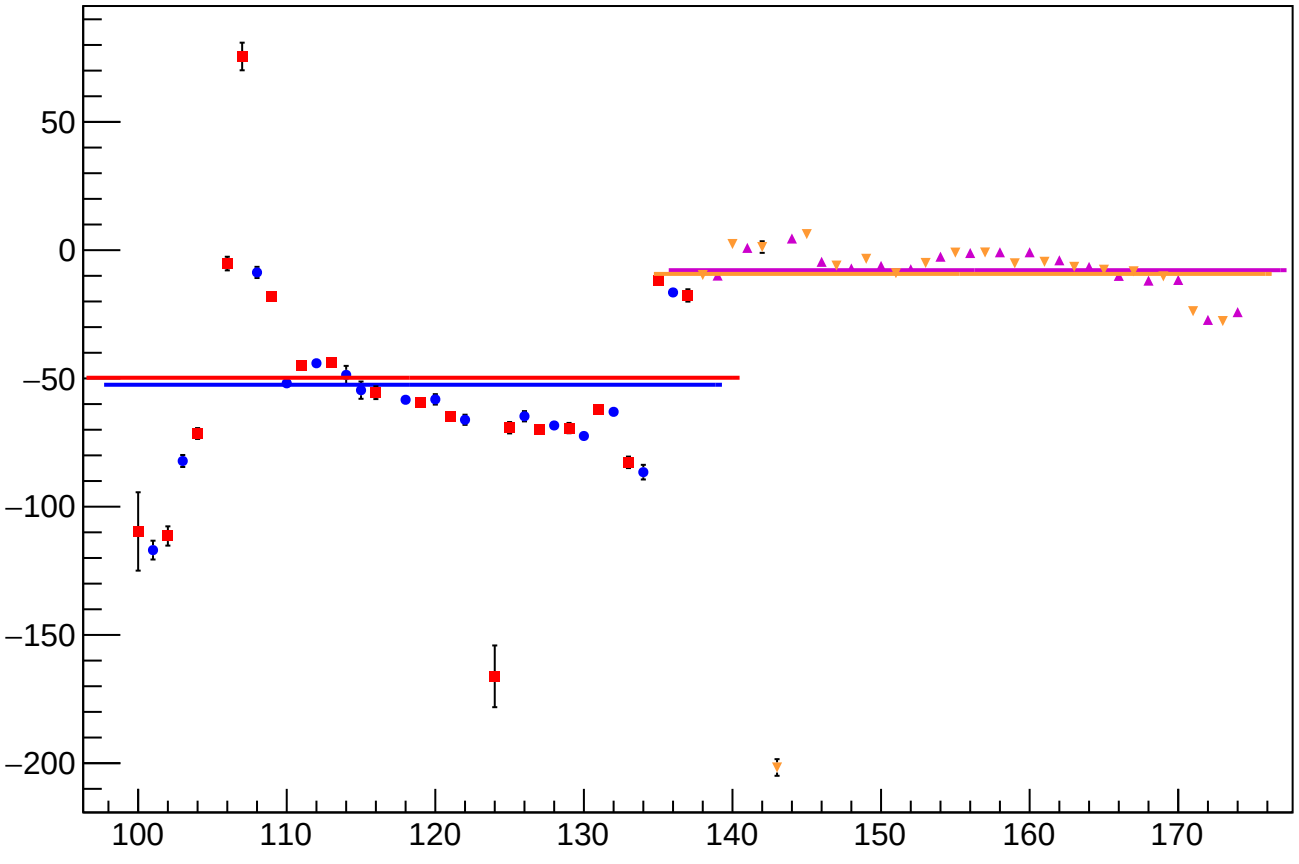
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: 0.095+/-0.236 χ²/NDF:129.4/18
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.543+/-0.238 χ²/NDF:63.9/17
+ sign 0.719+/-0.208 χ²/NDF: 410.9/34
All: 0.929+/-0.148 χ²/NDF: 688.2/71
- sign 1.144+/-0.211 χ²/NDF: 275.2/36



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -9.252+/-0.332 χ^2/NDF:4135.9/18

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

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+ sign -22.950+/-0.275 χ^2/NDF: 11827.2/34

All: -21.704+/-0.193 χ^2/NDF: 20493.3/71

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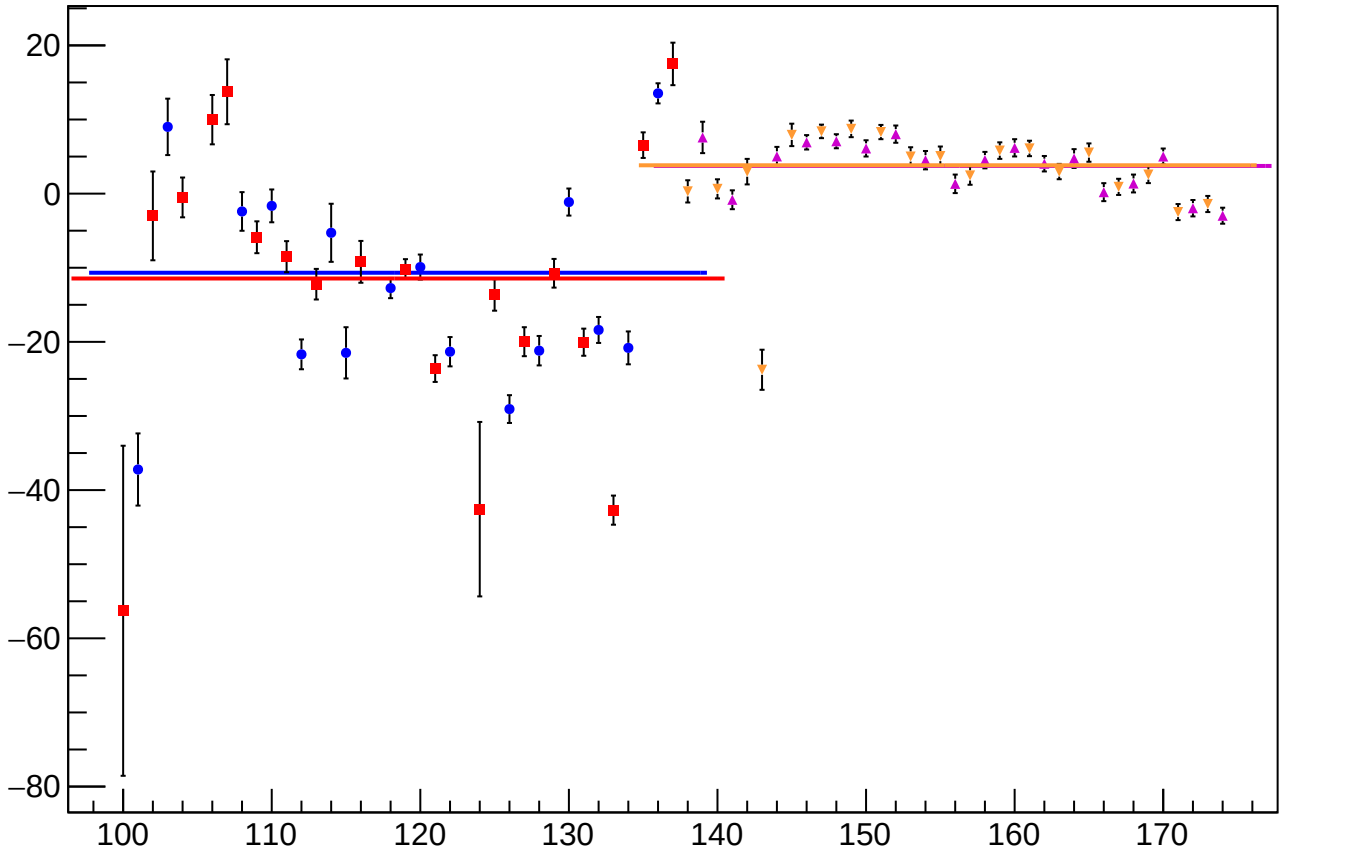


Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 3.823+/-0.272 χ^2/NDF:268.0/18

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

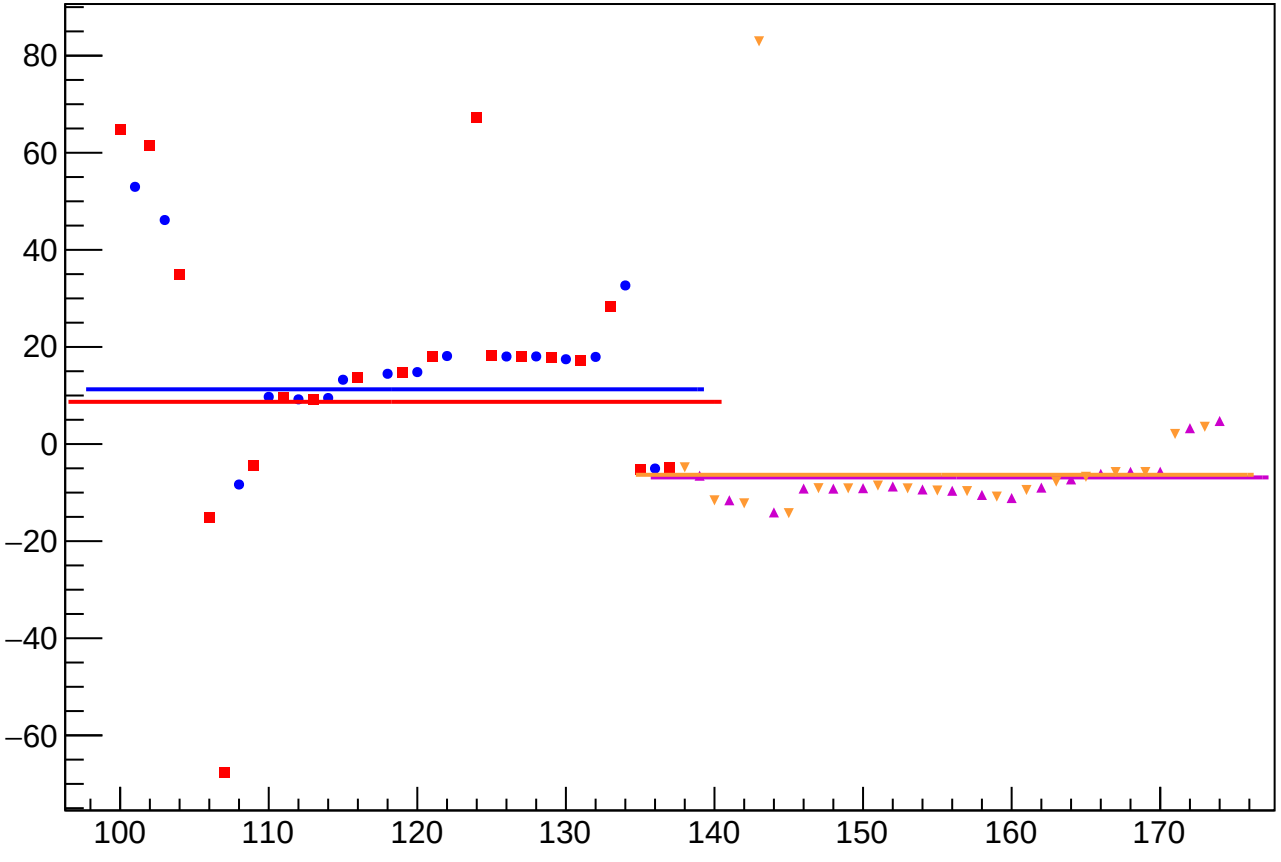
Left In: 3.734+/-0.272 χ^2/NDF:147.2/17

+ sign 0.565+/-0.240 χ^2/NDF: 1572.2/34

All: 0.495+/-0.170 χ^2/NDF: 3062.3/71

- sign 0.424+/-0.241 χ^2/NDF: 1489.9/36

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug



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Left Out: -6.331+/-0.012 χ^2/NDF:575745.9/18

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All: -4.355+/-0.008 χ^2/NDF: 2037560.2/71

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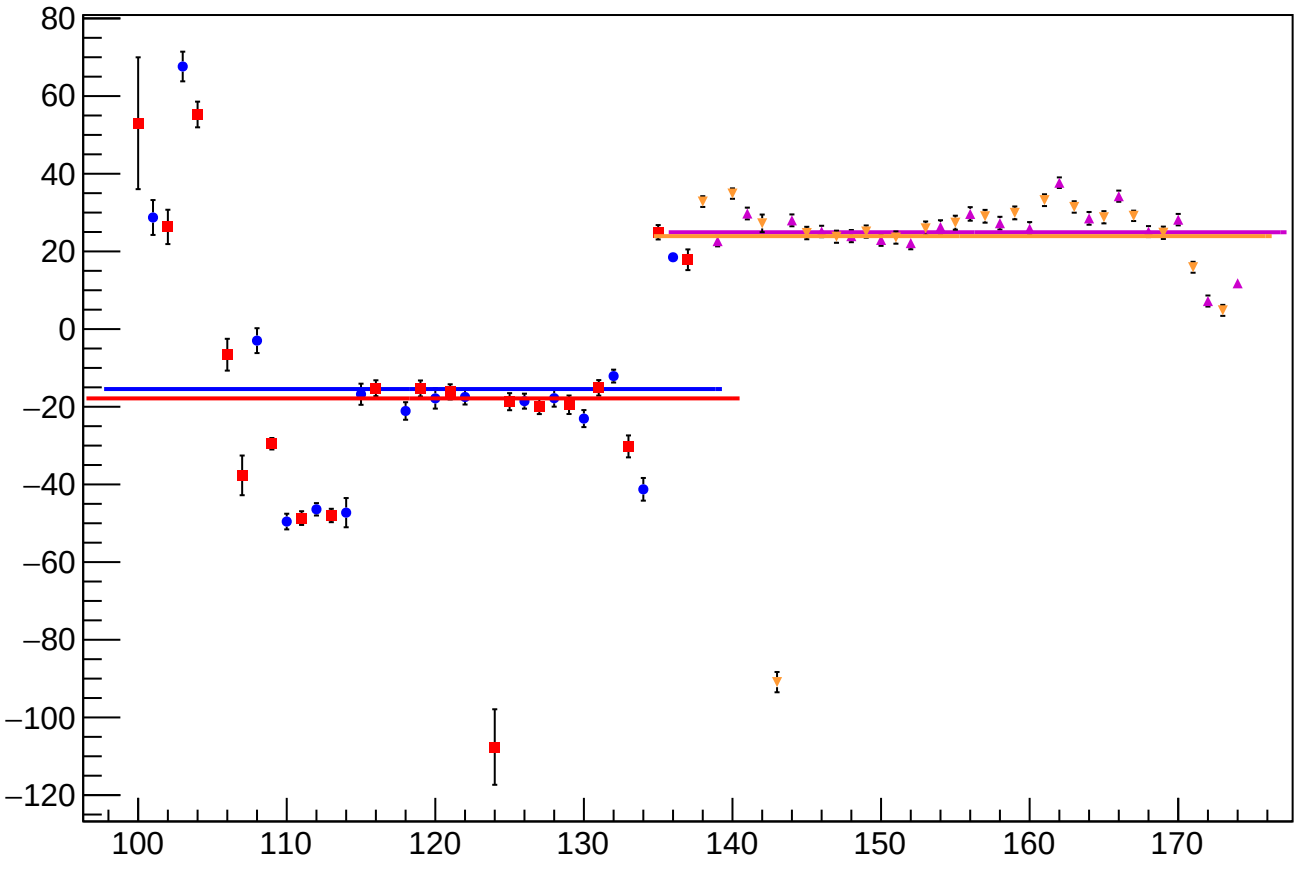


Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.936+/-0.362 χ^2/NDF:2374.4/18

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

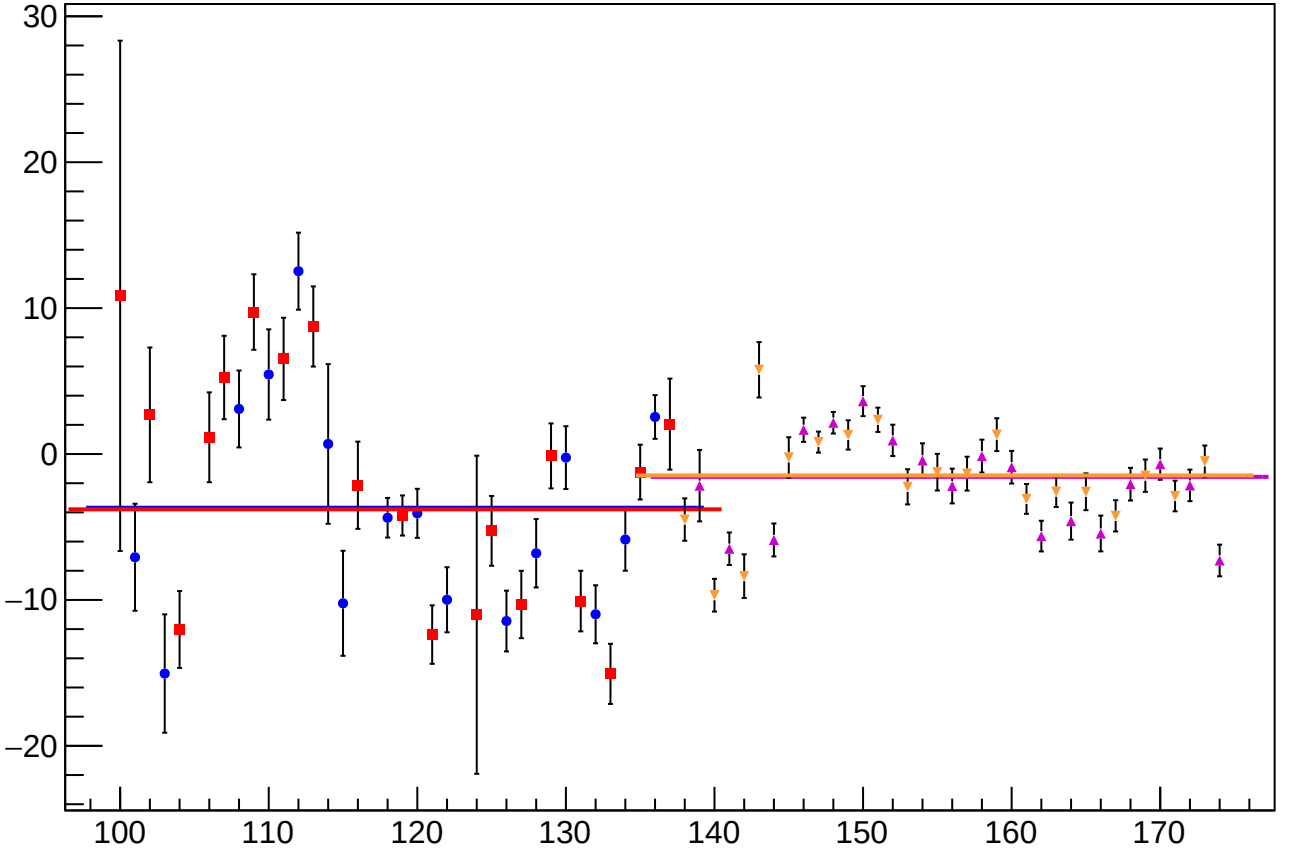
Left In: 24.935+/-0.354 χ^2/NDF:440.2/17

+ sign 11.699+/-0.301 χ^2/NDF: 8175.9/34

All: 11.717+/-0.210 χ^2/NDF: 15253.0/71

- sign 11.734+/-0.294 χ^2/NDF: 7077.2/36

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.465+/-0.253 χ^2/NDF:153.5/18

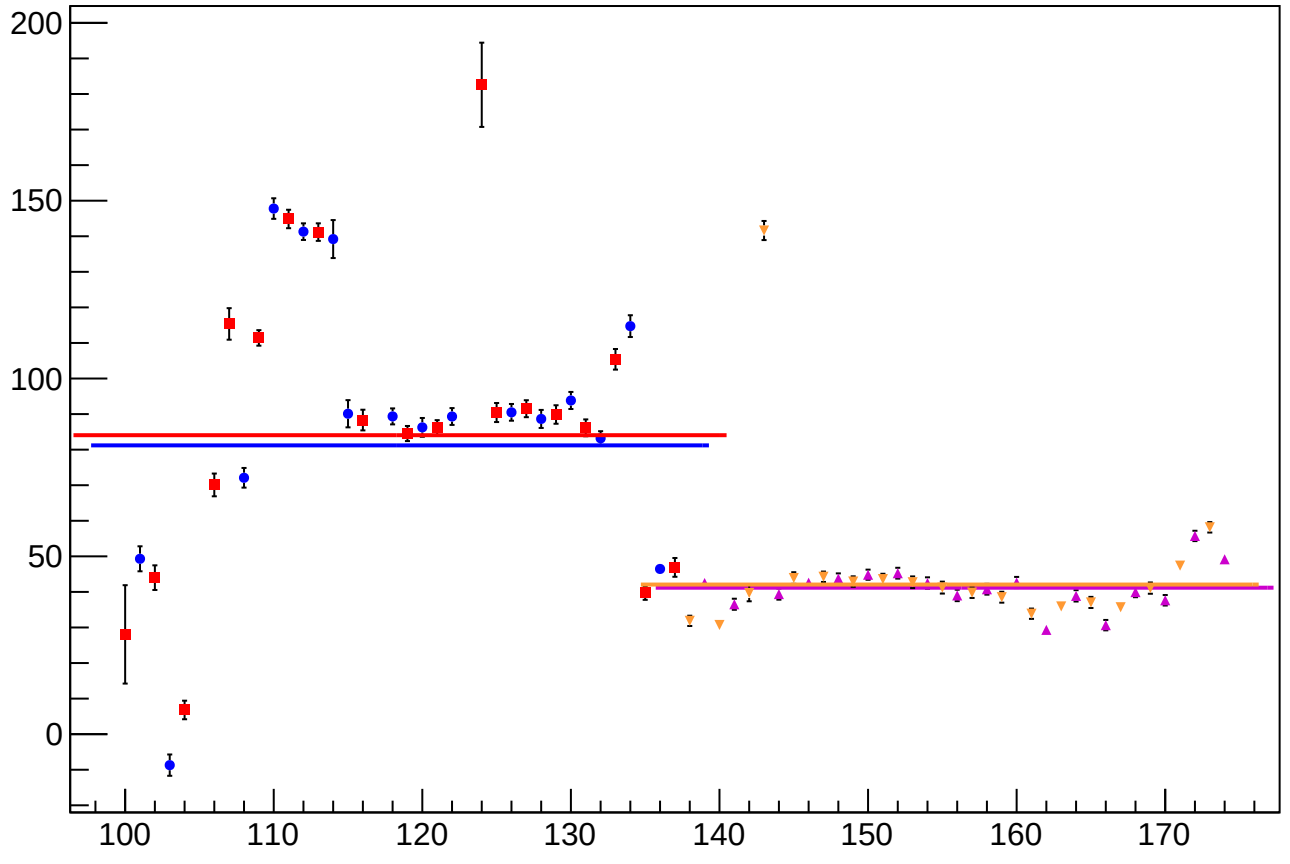
Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -1.565+/-0.254 χ^2/NDF:168.3/17

\+ sign -1.849+/-0.230 χ^2/NDF: 290.8/34

All: -1.895+/-0.163 χ^2/NDF: 633.3/71

\- sign -1.942+/-0.232 χ^2/NDF: 342.5/36



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 42.070+/-0.355 χ^2/NDF:1721.8/18

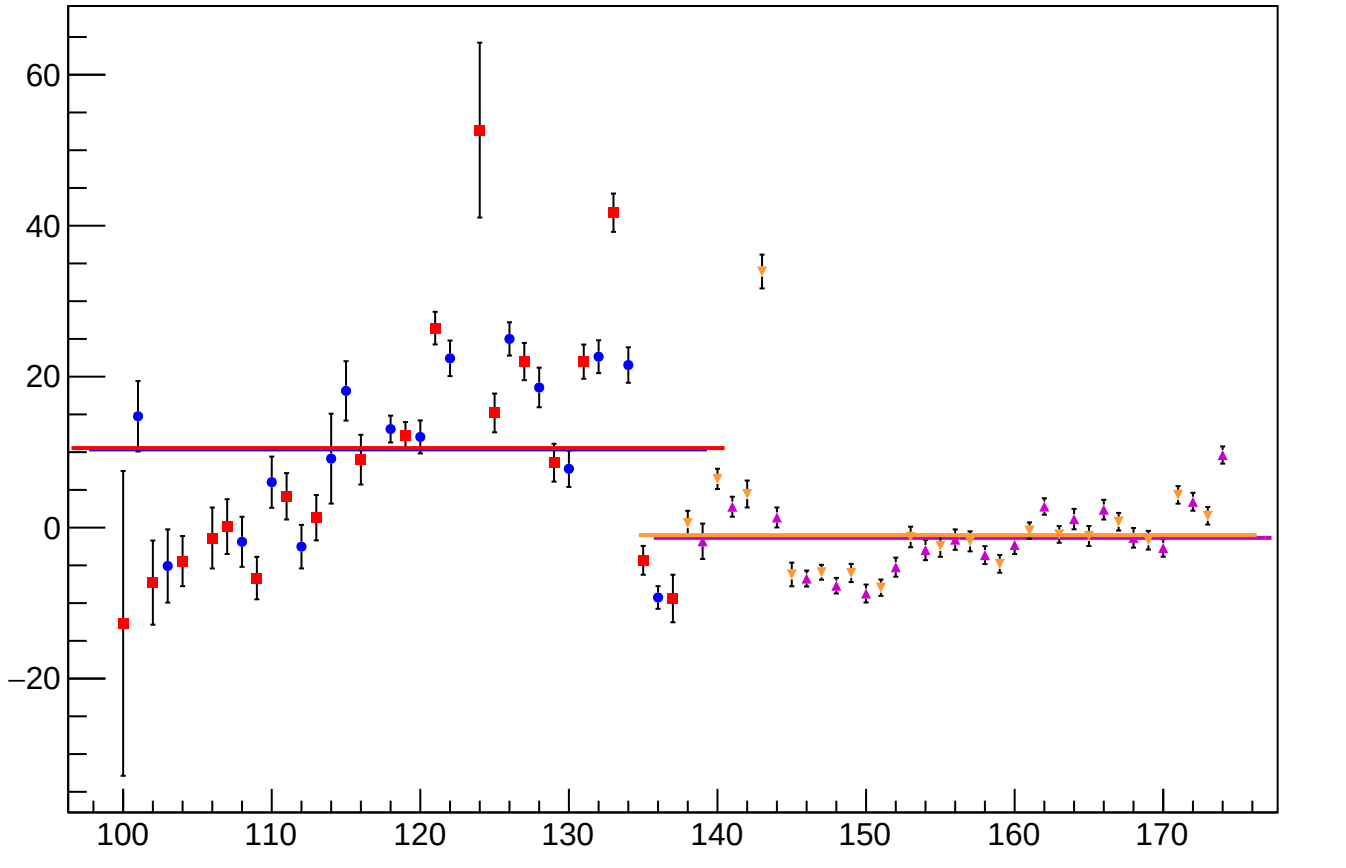
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

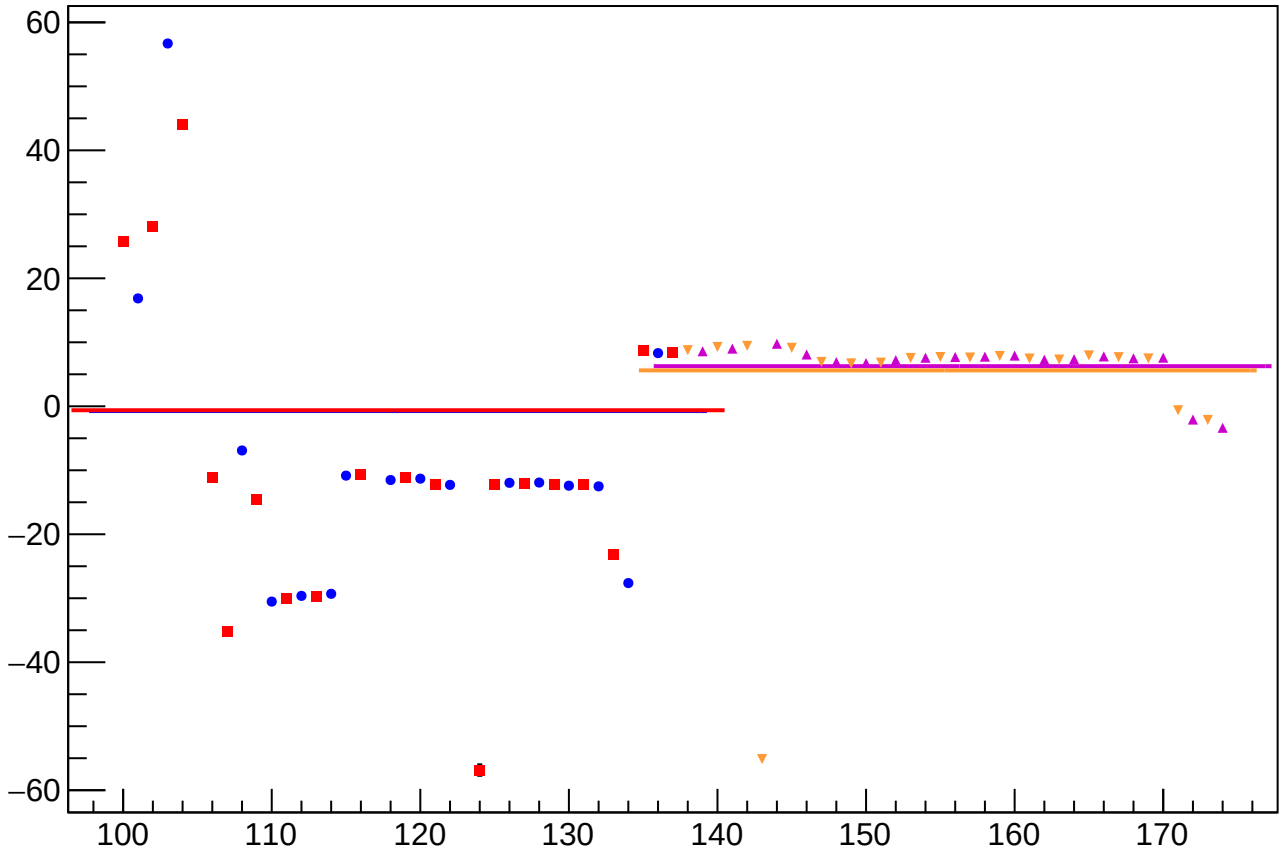
Left In: 41.183+/-0.348 χ^2/NDF:310.9/17

+ sign 52.046+/-0.307 χ^2/NDF: 8048.5/34

All: 51.800+/-0.216 χ^2/NDF: 15237.4/71

- sign 51.559+/-0.303 χ^2/NDF: 7187.6/36


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -0.991+/-0.291 χ²/NDF:419.2/18
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -1.357+/-0.291 χ²/NDF:268.3/17
+ sign 1.024+/-0.264 χ²/NDF: 1049.3/34
All: 0.853+/-0.187 χ²/NDF: 2075.3/71
- sign 0.681+/-0.265 χ²/NDF: 1025.1/36



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 5.611+/-0.013 χ^2/NDF:360381.5/18

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

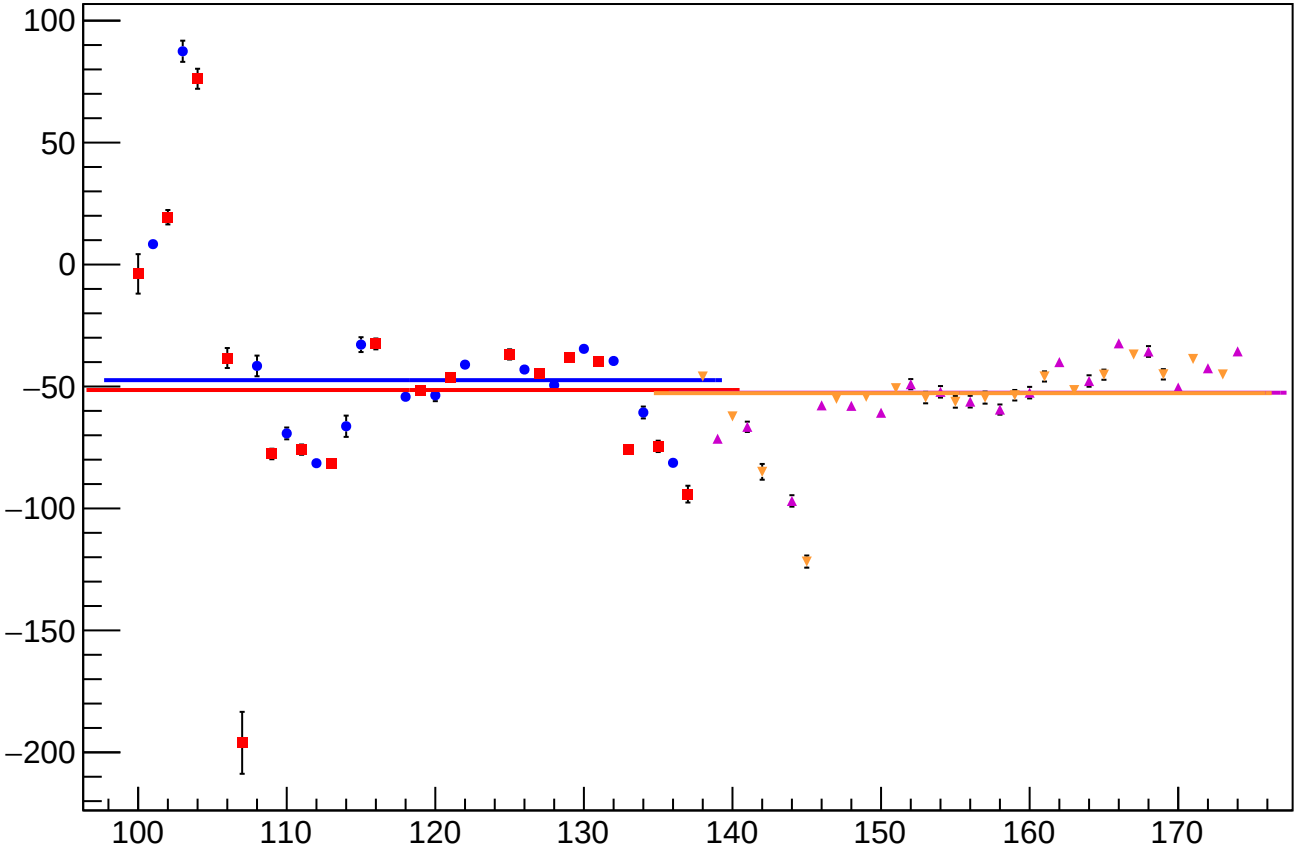
Left In: 6.268+/-0.013 χ^2/NDF:83689.2/17

+ sign 4.859+/-0.012 χ^2/NDF: 756046.3/34

All: 5.206+/-0.009 χ^2/NDF: 1188205.7/71

- 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: -52.729+/-0.485 χ^2/NDF:1106.2/17

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

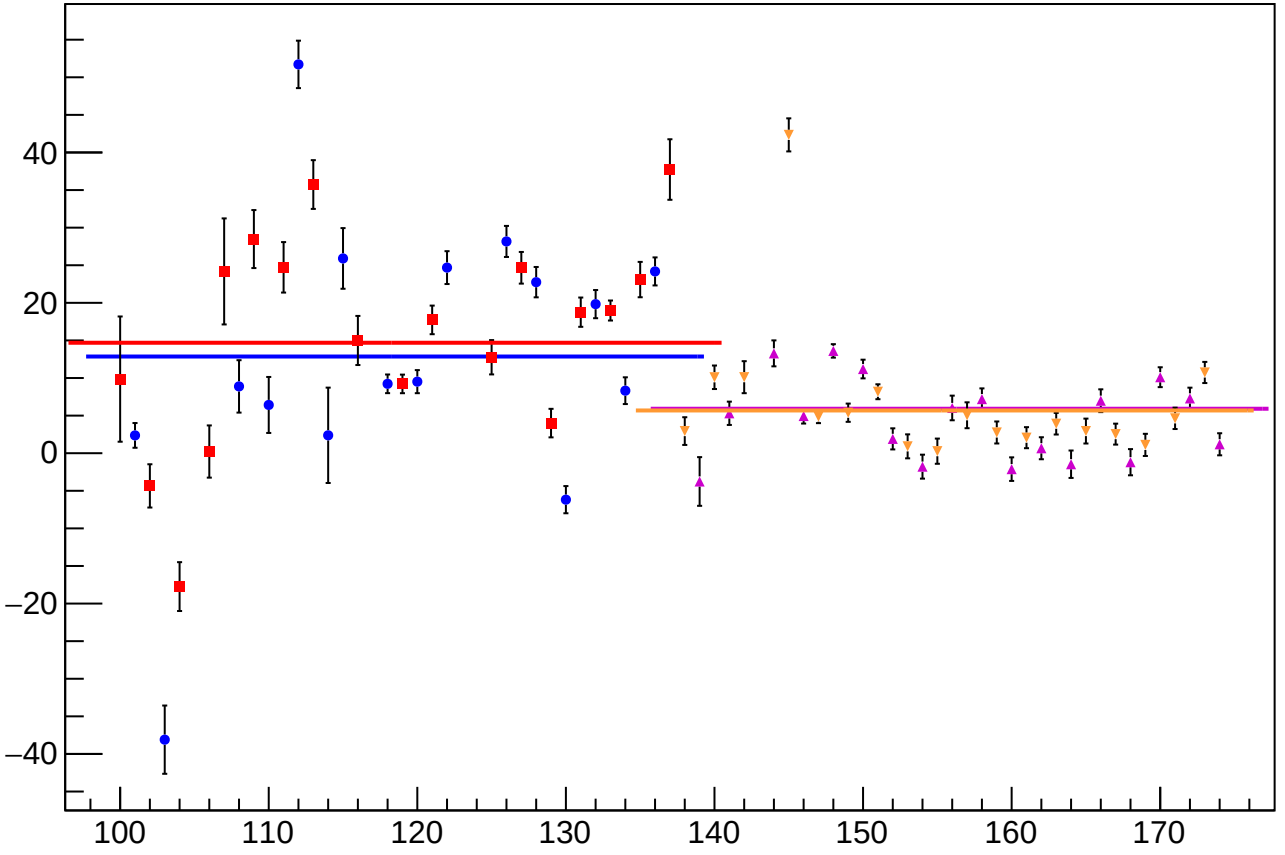
Left In: -52.550+/-0.471 χ^2/NDF:933.0/17

+ sign -50.326+/-0.359 χ^2/NDF: 3929.7/33

All: -51.208+/-0.253 χ^2/NDF: 7749.8/69

- 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: 5.685+/-0.332 χ^2/NDF:362.2/17

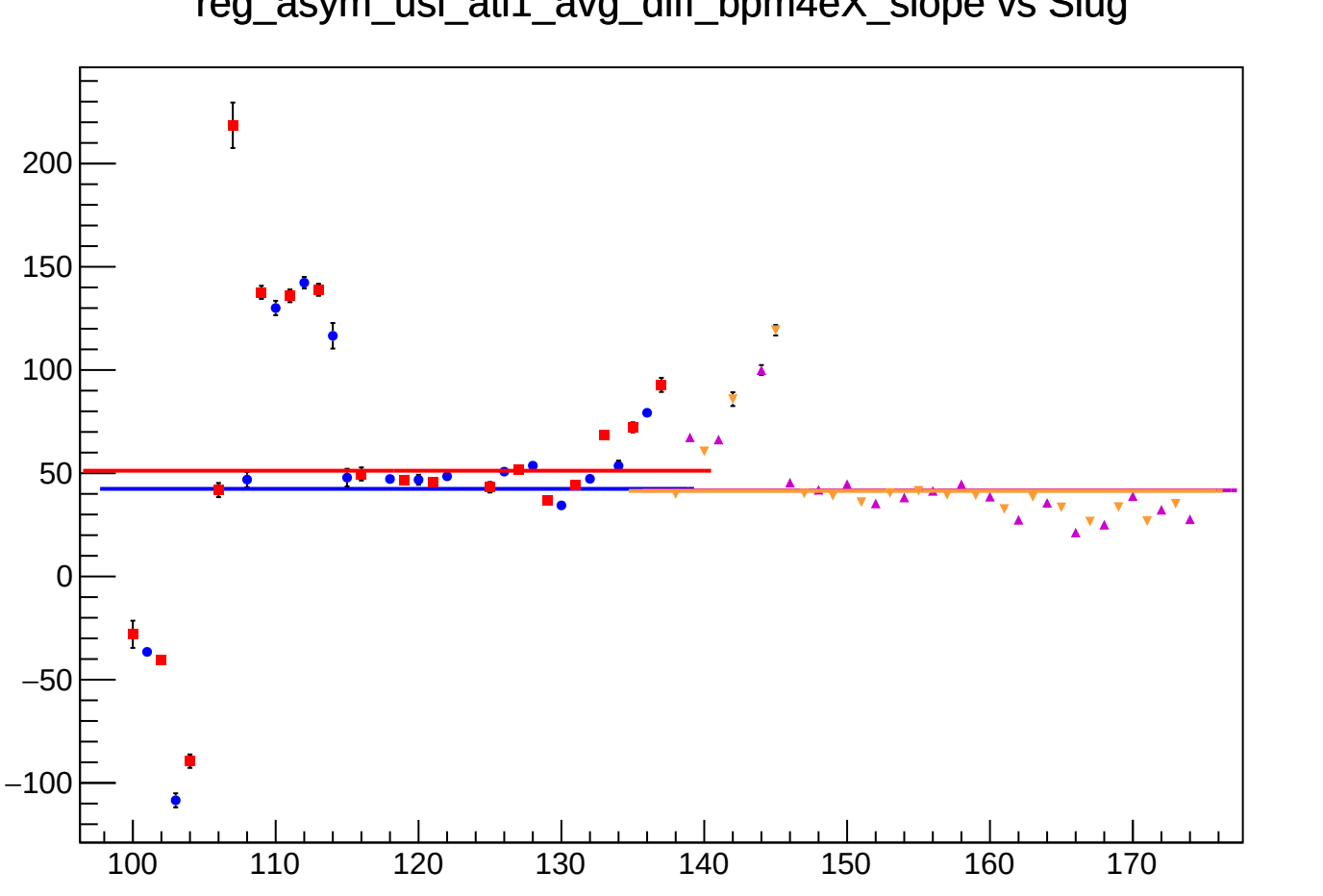
Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 5.914+/-0.334 χ^2/NDF:246.4/17

+ sign 7.773+/-0.280 χ^2/NDF: 1123.3/33

All: 8.040+/-0.200 χ^2/NDF: 1924.6/69

- 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: 41.469+/-0.474 χ^2/NDF:1434.5/17

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

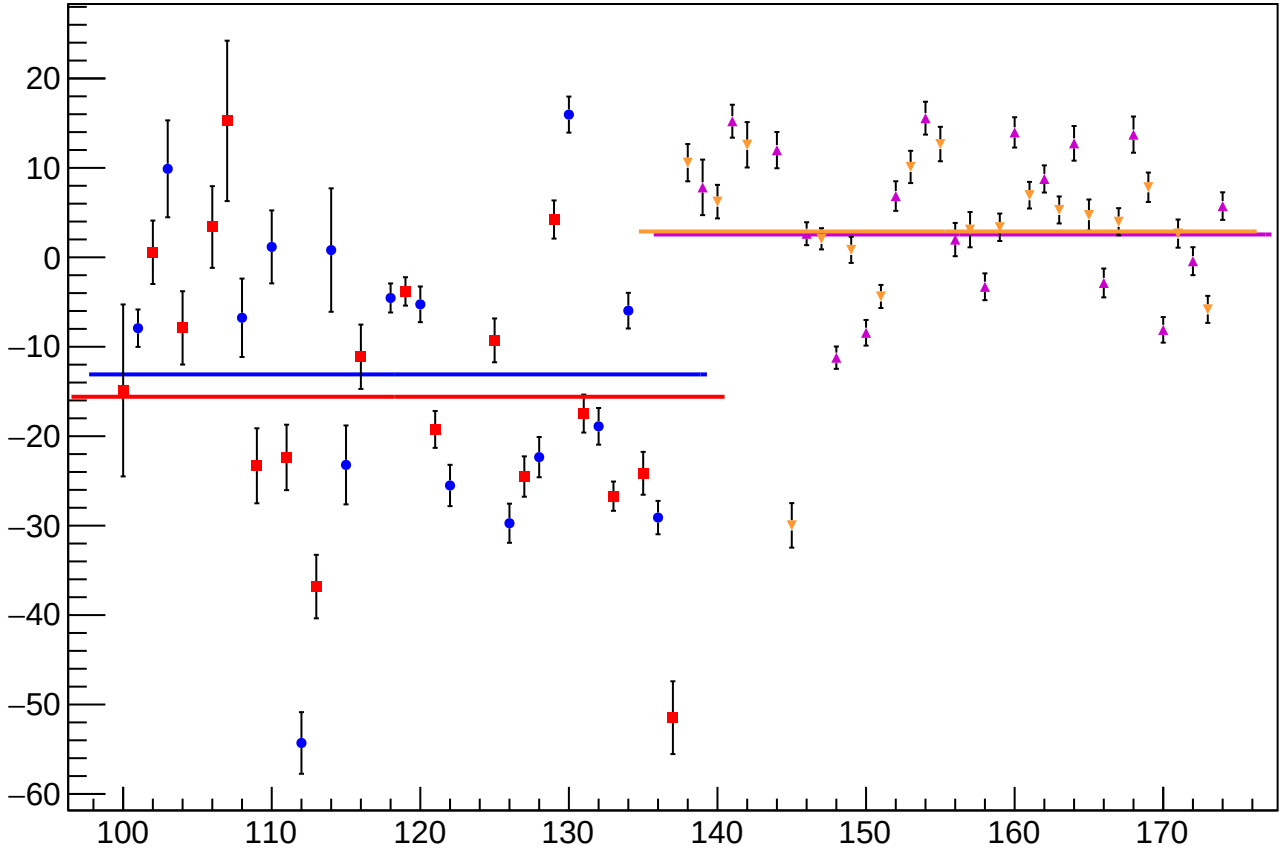
Left In: 41.701+/-0.463 χ^2/NDF:1259.9/17

+ sign 41.853+/-0.368 χ^2/NDF: 8605.0/33

All: 43.493+/-0.261 χ^2/NDF: 16669.3/69

- 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: 2.891+/-0.385 χ^2/NDF:335.6/17

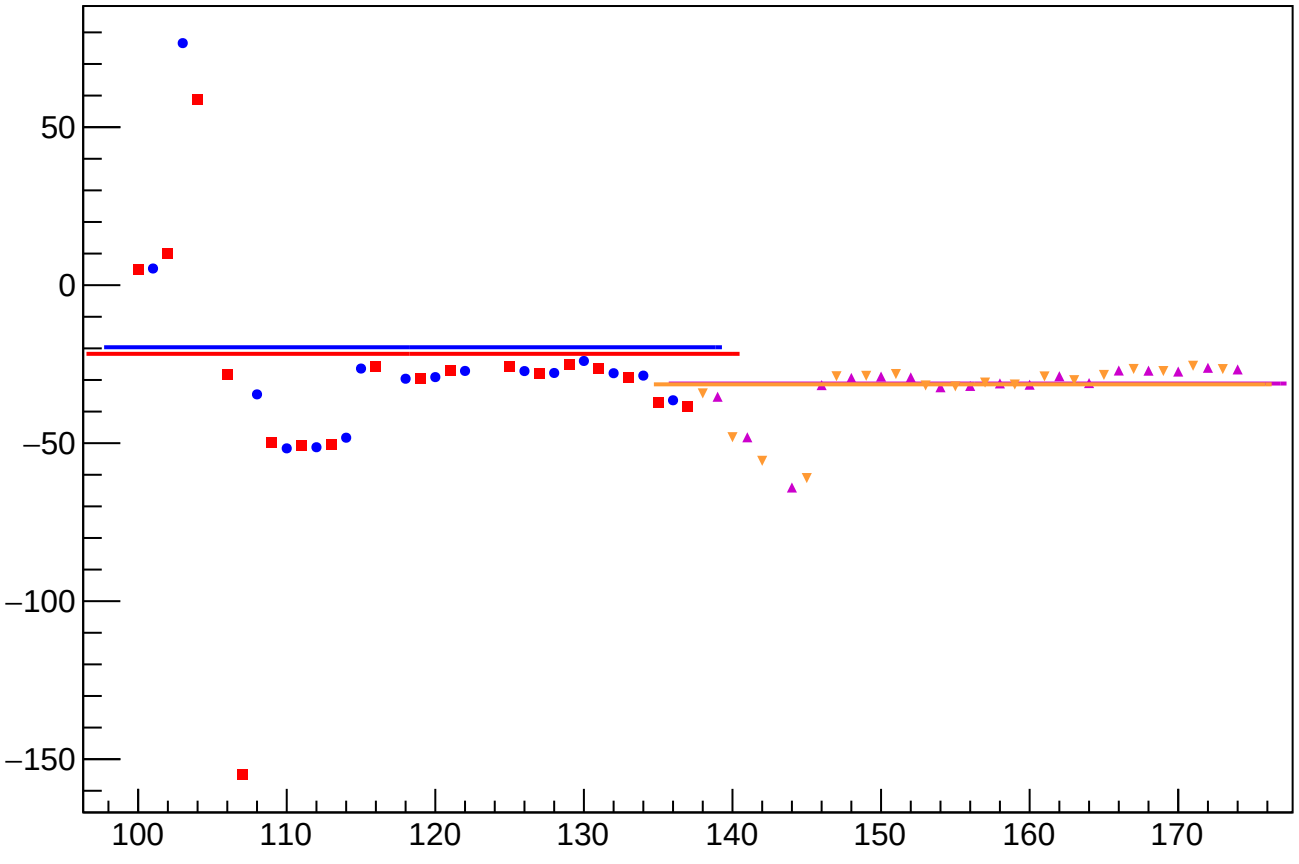
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.555+/-0.384 χ^2/NDF:519.6/17

\+ sign -1.776+/-0.324 χ^2/NDF: 1478.2/33

All: -2.085+/-0.230 χ^2/NDF: 3010.5/69

\- sign -2.402+/-0.328 χ^2/NDF: 1530.4/35



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -31.383+/-0.018 χ^2/NDF:190156.4/17

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

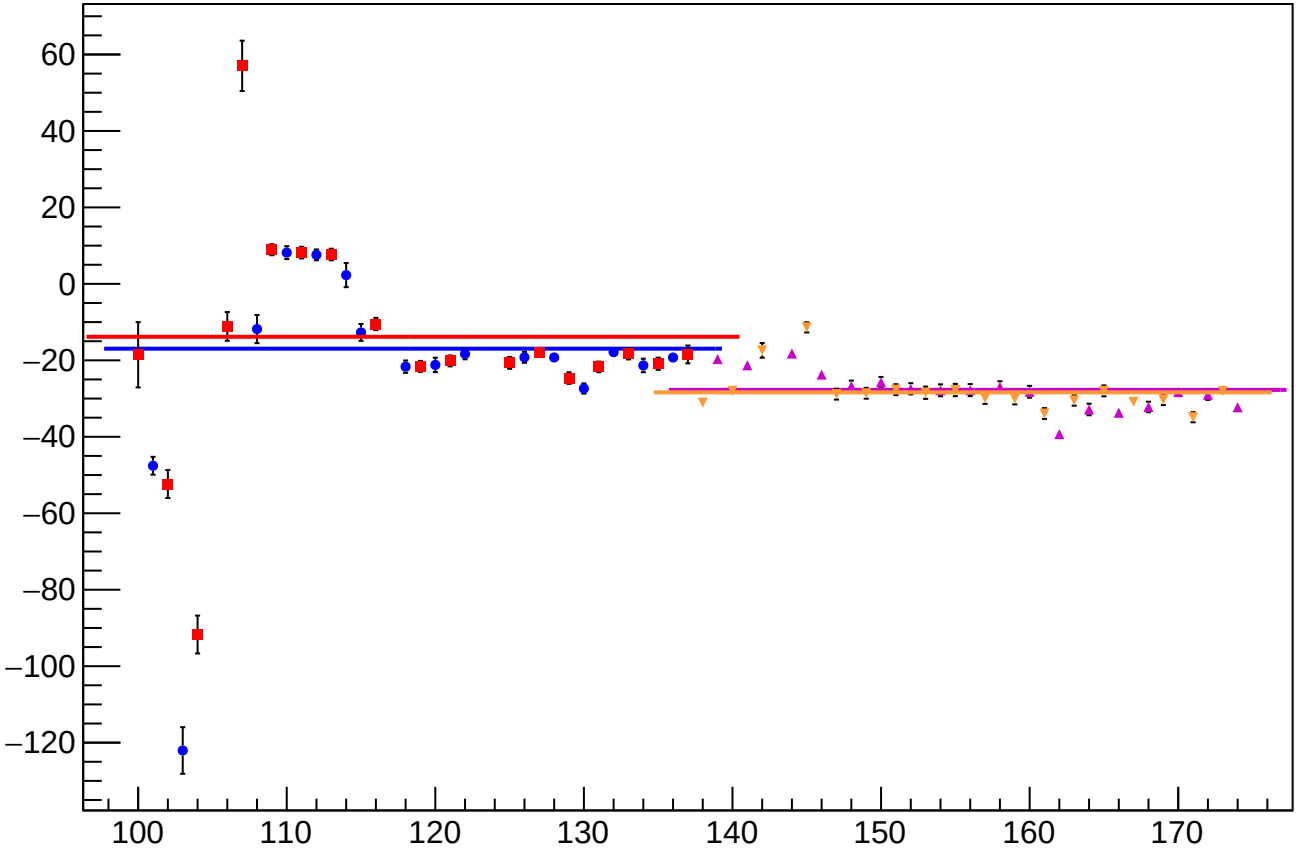
Left In: -31.127+/-0.017 χ^2/NDF:157237.2/17

+ sign -29.126+/-0.016 χ^2/NDF: 922437.4/33

All: -29.367+/-0.011 χ^2/NDF: 1675724.1/69

- 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: -28.372+/-0.329 χ^2/NDF:249.8/17

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

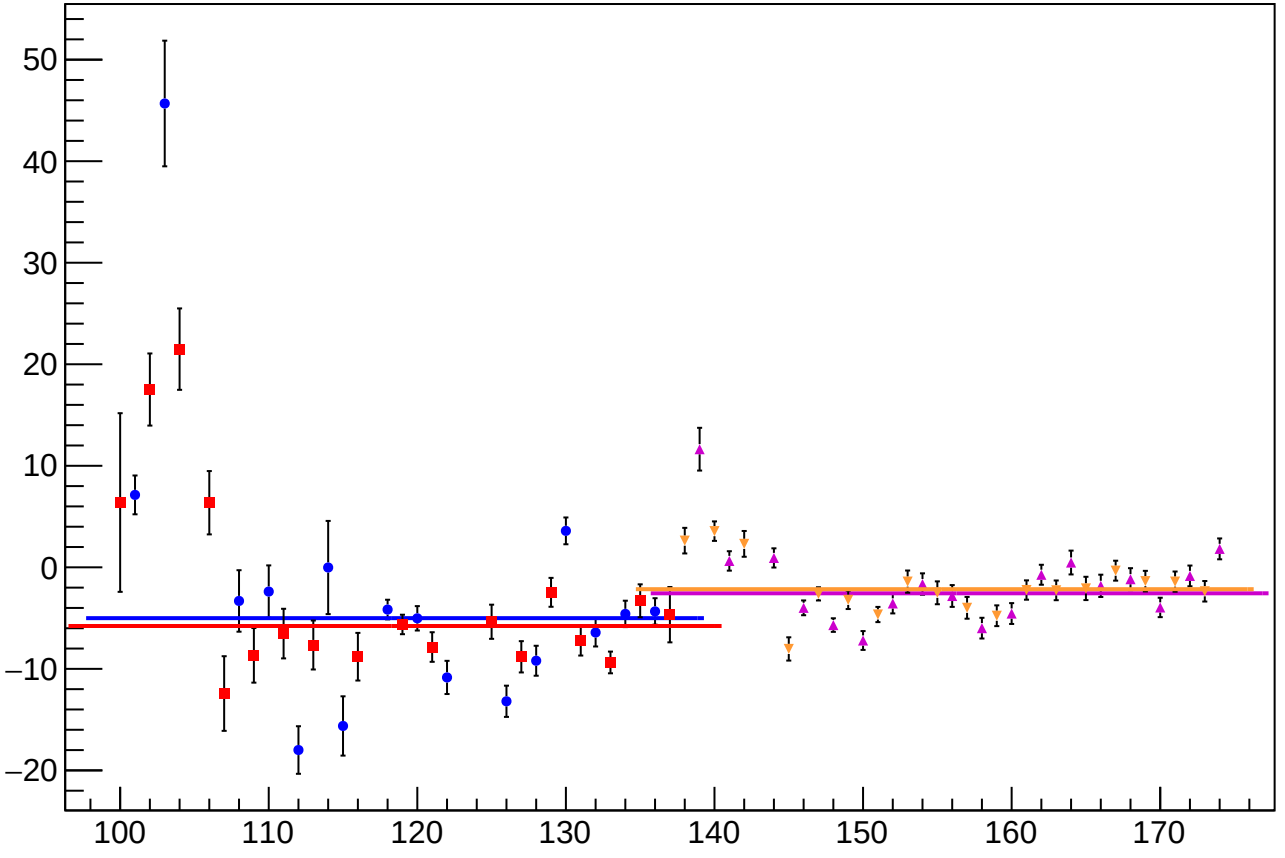
Left In: -27.728+/-0.320 χ^2/NDF:282.9/17

+ sign -23.810+/-0.255 χ^2/NDF: 1858.5/33

All: -23.126+/-0.179 χ^2/NDF: 4204.0/69

- 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: -2.153+/-0.230 χ^2/NDF:116.3/17

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

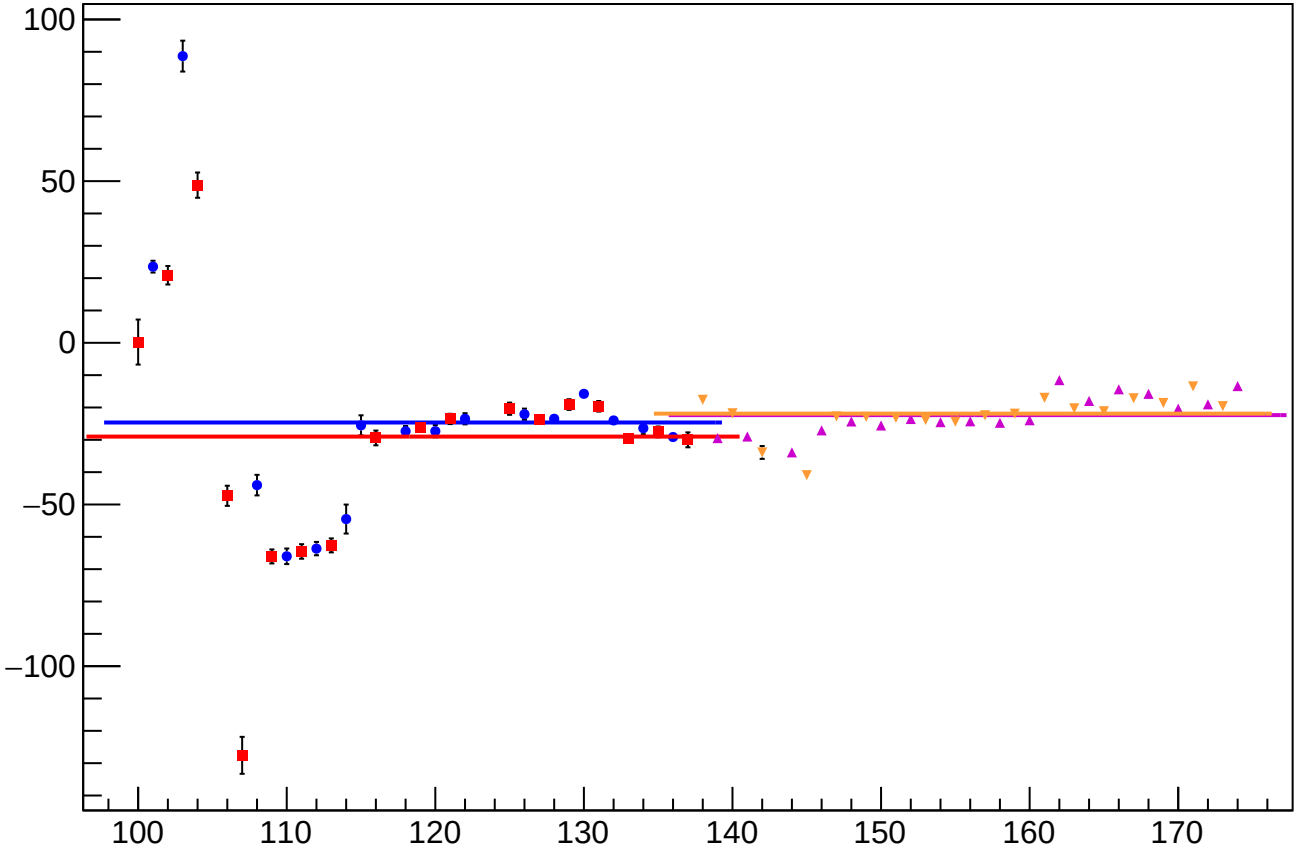
Left In: -2.558+/-0.230 χ^2/NDF:173.1/17

+ sign -2.860+/-0.200 χ^2/NDF: 402.0/33

All: -3.080+/-0.142 χ^2/NDF: 762.3/69

- 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: -21.903+/-0.323 χ^2/NDF:327.0/17

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

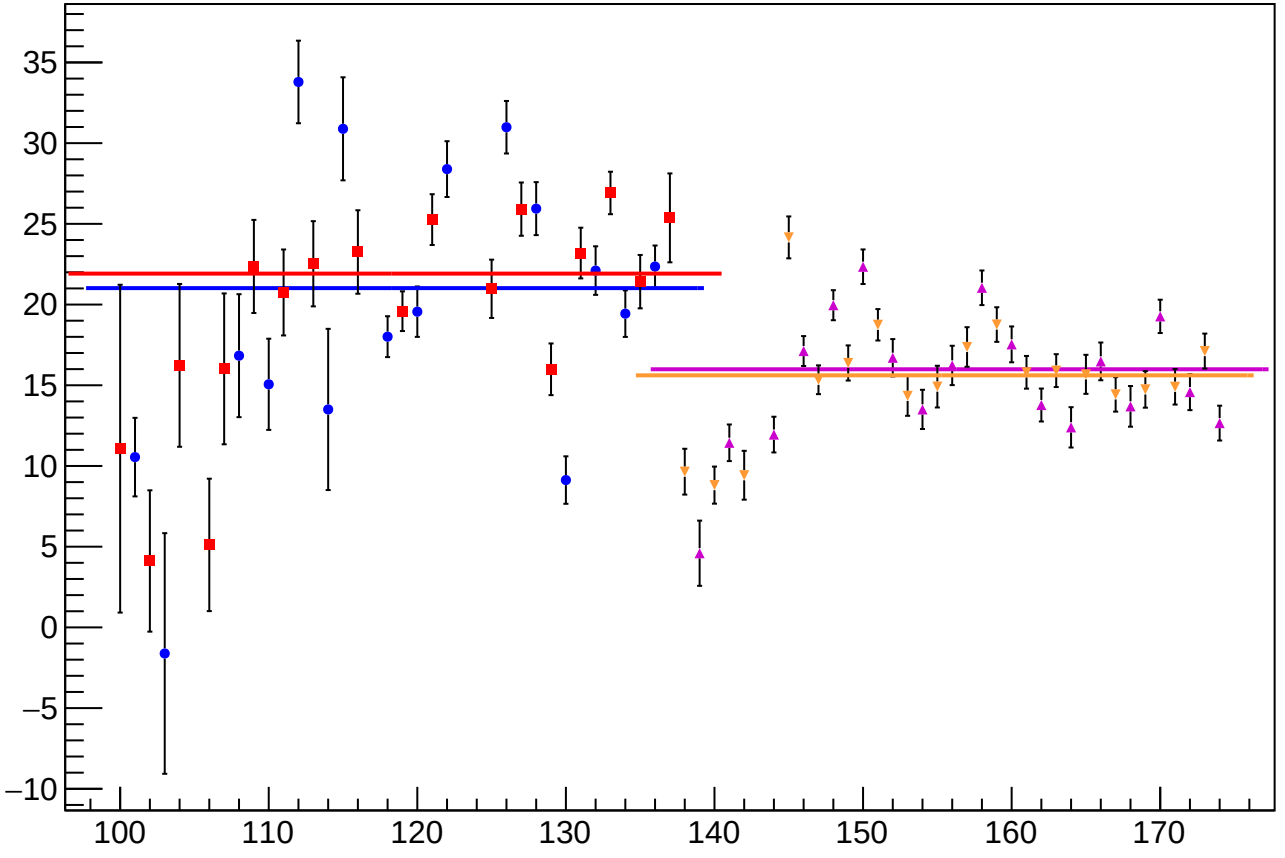
Left In: -22.361+/-0.315 χ^2/NDF:372.7/17

\+ sign -22.822+/-0.263 χ^2/NDF: 2402.9/33

All: -23.607+/-0.186 χ^2/NDF: 4881.4/69

\- 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: 15.615+/-0.265 χ^2/NDF:140.1/17

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

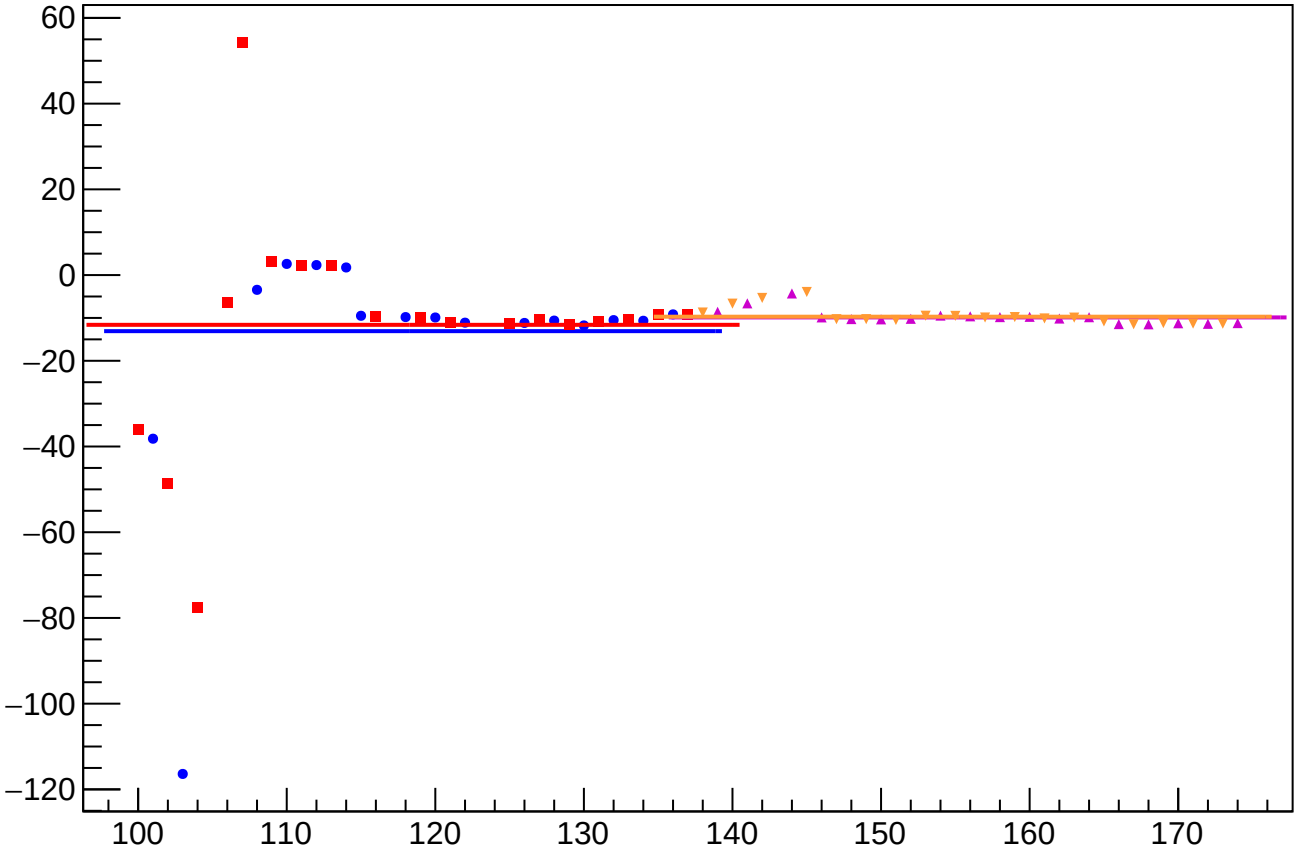
Left In: 15.991+/-0.264 χ^2/NDF:182.7/17

+ sign 16.974+/-0.230 χ^2/NDF: 453.8/33

All: 17.172+/-0.163 χ^2/NDF: 838.2/69

- 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: -9.713+/-0.012 χ^2/NDF:24014.9/17

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

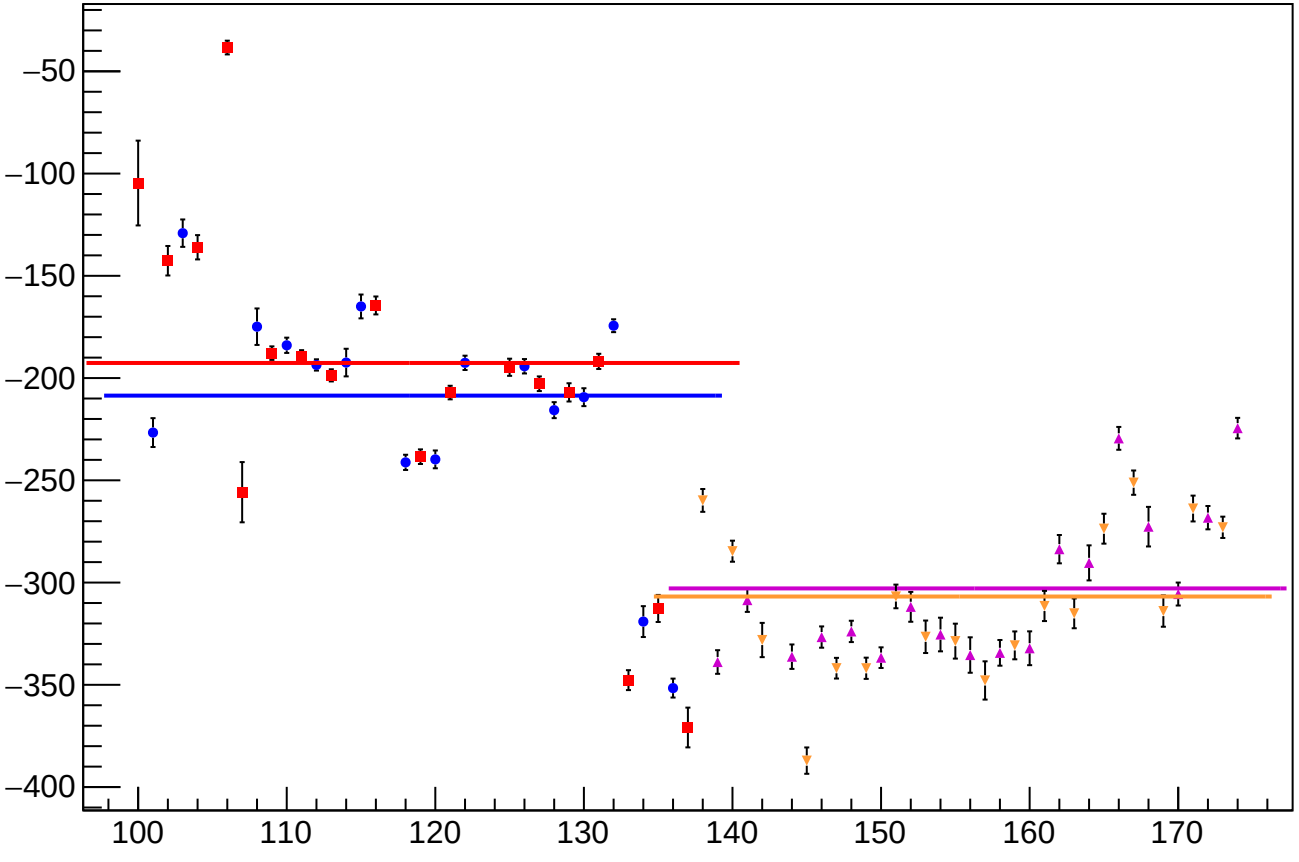
Left In: -9.880+/-0.012 χ^2/NDF:18722.0/17

+ sign -10.222+/-0.011 χ^2/NDF: 380925.3/33

All: -10.158+/-0.008 χ^2/NDF: 716644.2/69

- 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: -306.824+/-1.508 χ^2/NDF:588.3/17

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

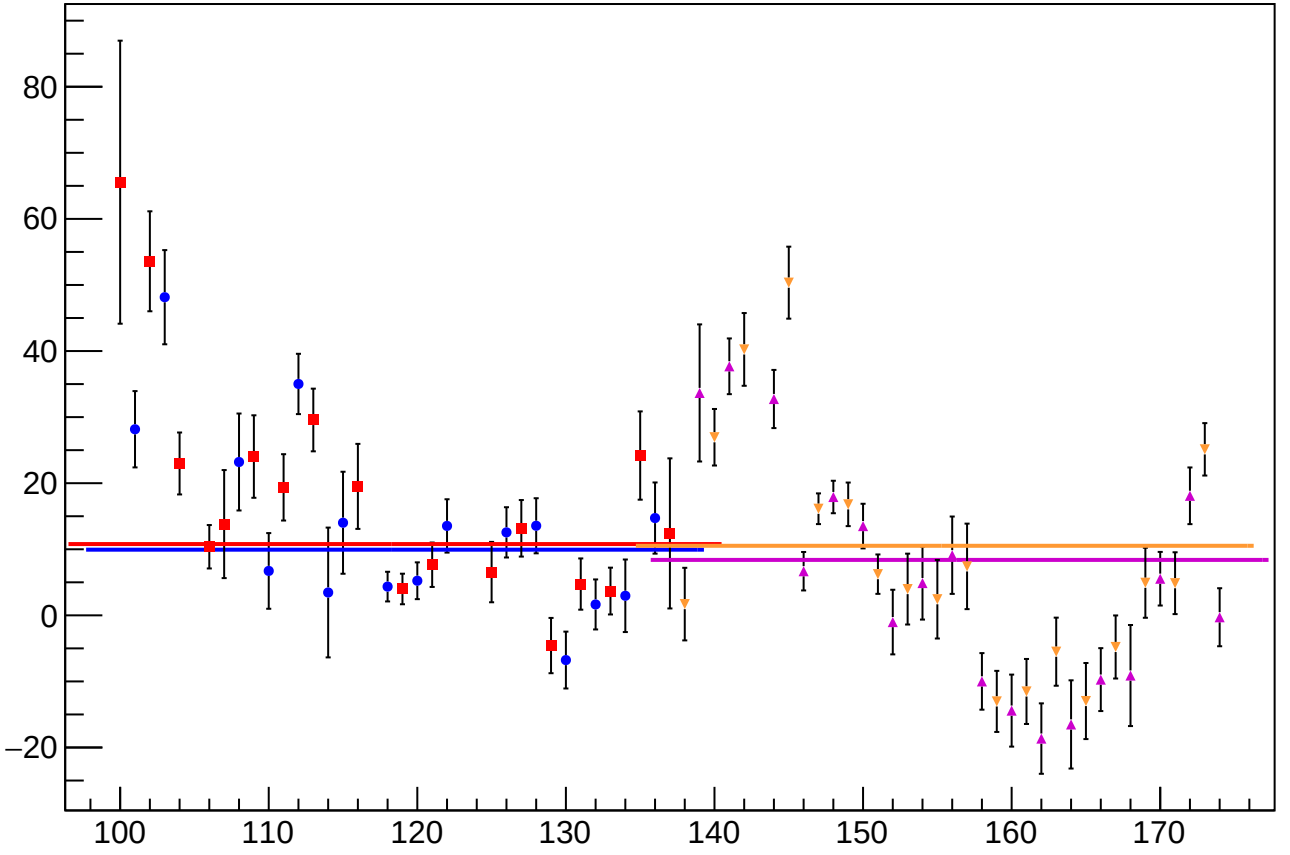
Left In: -302.862+/-1.463 χ^2/NDF:686.5/17

+ sign -241.345+/-0.871 χ^2/NDF: 5168.7/33

All: -234.130+/-0.599 χ^2/NDF: 14063.9/69

- 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: 10.527+/-1.012 χ^2/NDF:213.8/17

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

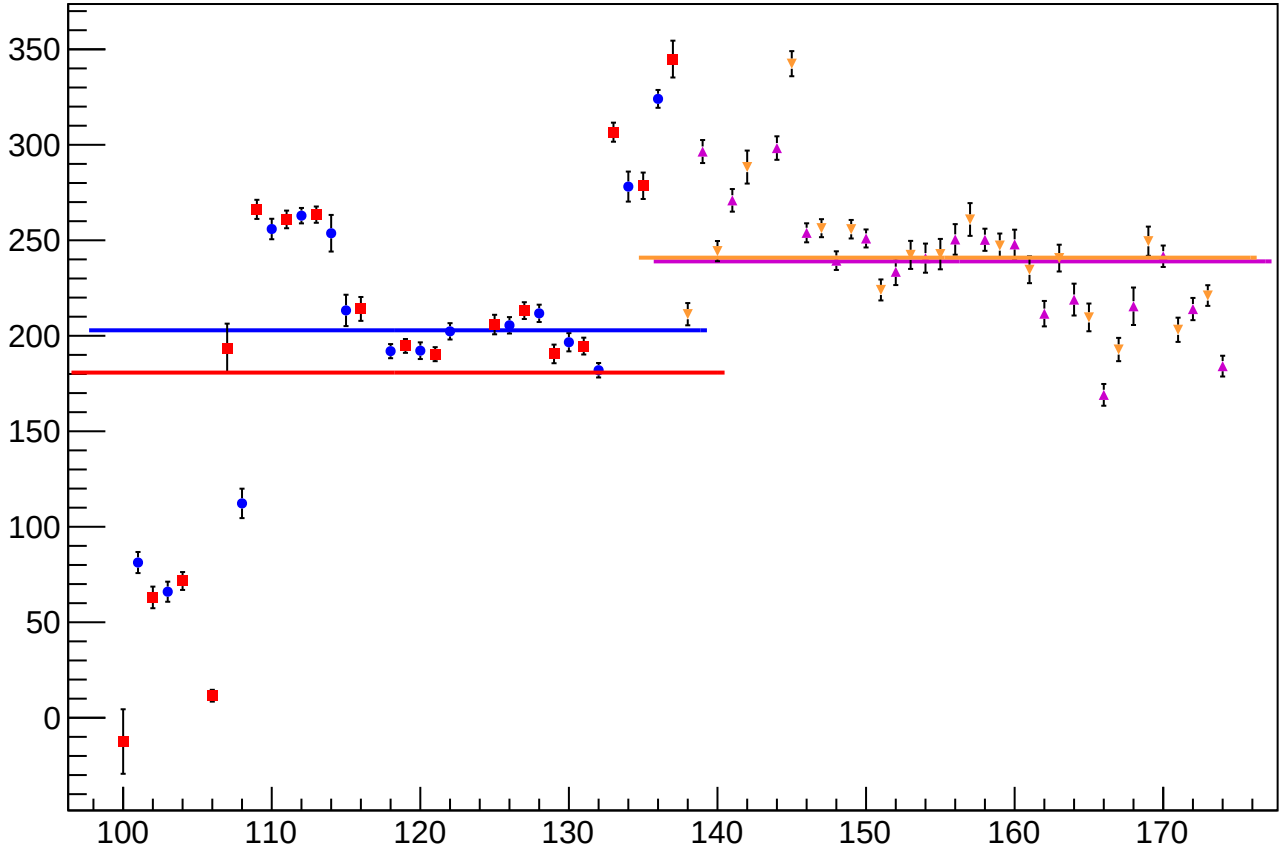
Left In: 8.391+/-1.017 χ^2/NDF:211.4/17

+ sign 10.248+/-0.734 χ^2/NDF: 320.5/33

All: 9.901+/-0.517 χ^2/NDF: 640.1/69

- 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: 240.913+/-1.478 χ^2/NDF:462.9/17

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

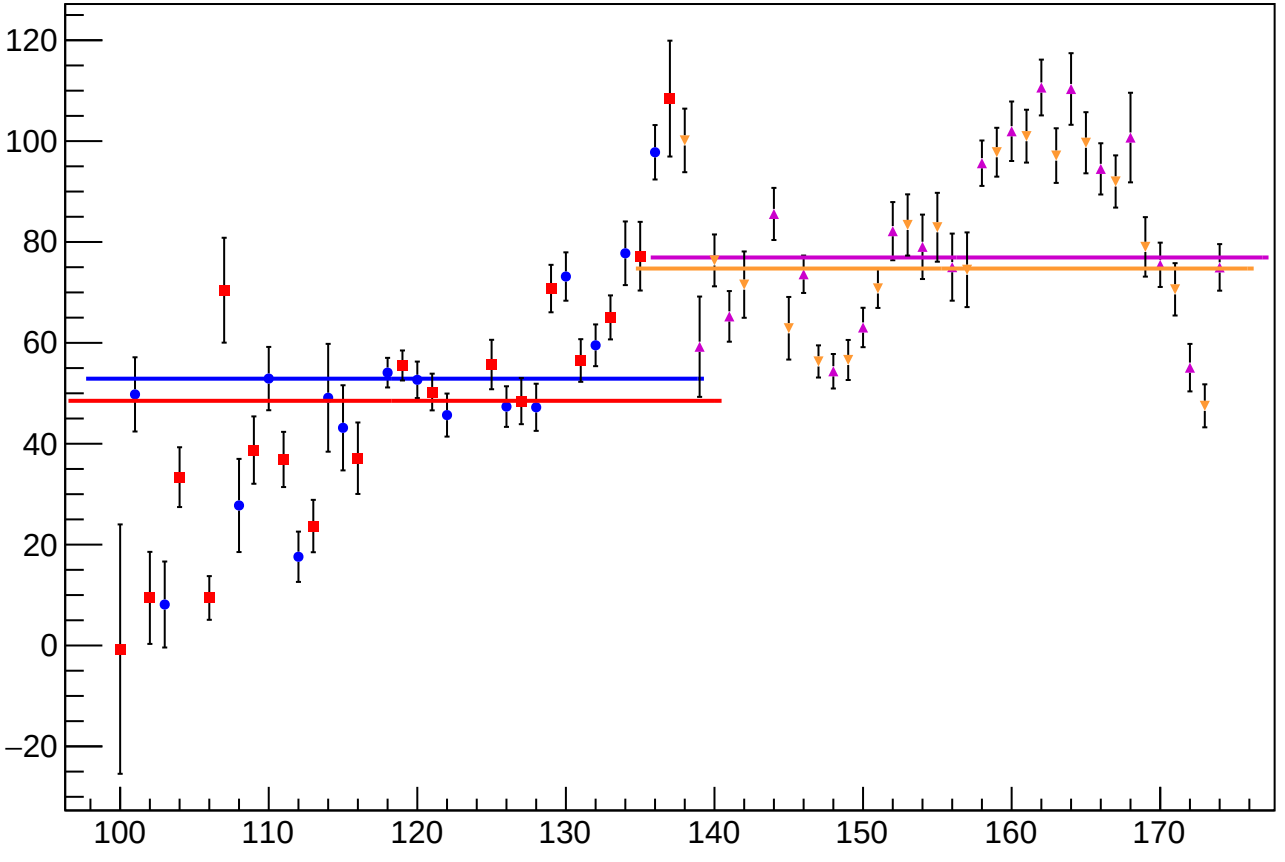
Left In: 238.960+/-1.439 χ^2/NDF:535.8/17

+ sign 218.374+/-0.943 χ^2/NDF: 3319.7/33

All: 210.430+/-0.649 χ^2/NDF: 11341.9/69

- 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: 74.737+/-1.190 χ^2/NDF:213.7/17

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

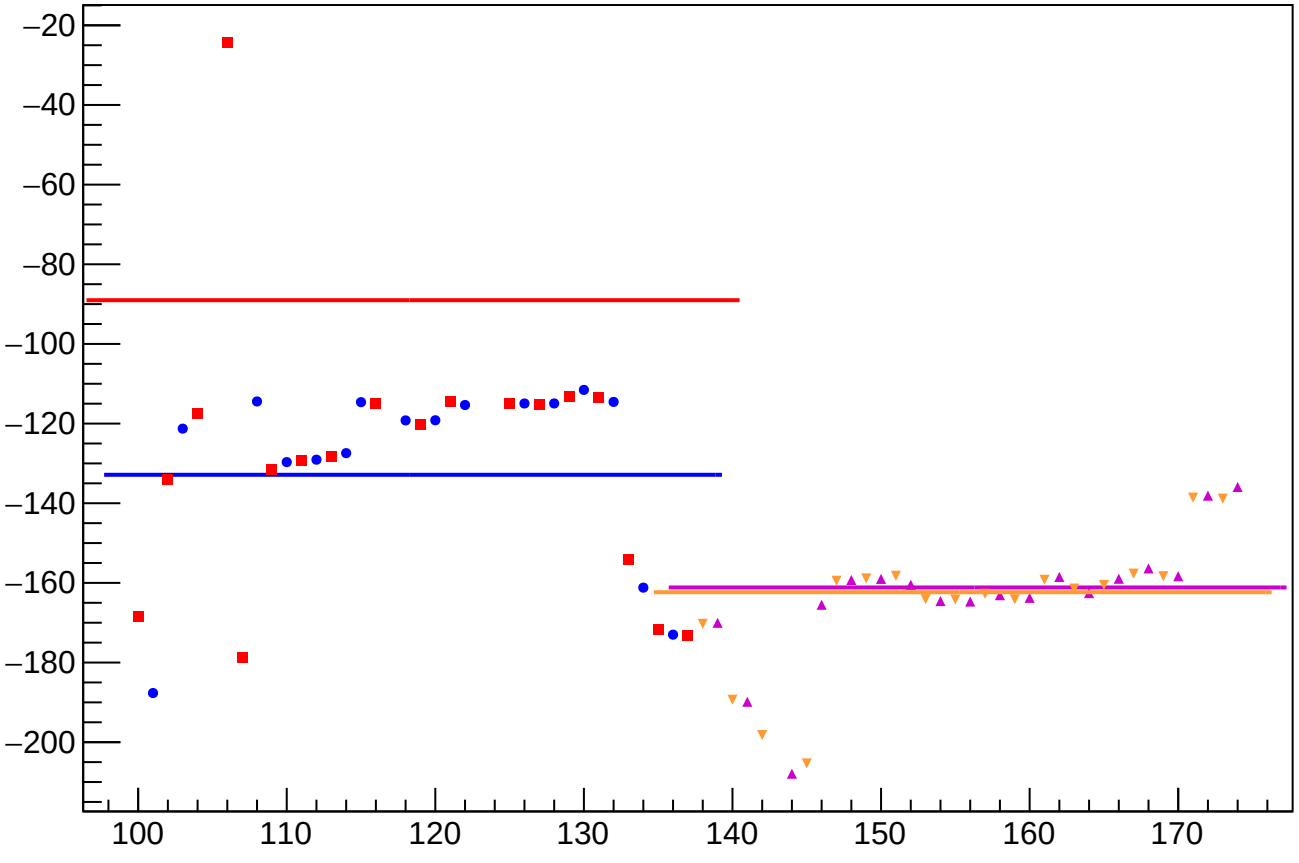
Left In: 76.929+/-1.183 χ^2/NDF:204.8/17

+ sign 64.278+/-0.859 χ^2/NDF: 573.3/33

All: 63.674+/-0.603 χ^2/NDF: 1300.0/69

- 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: -162.344+/-0.056 χ^2/NDF:81151.1/17

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

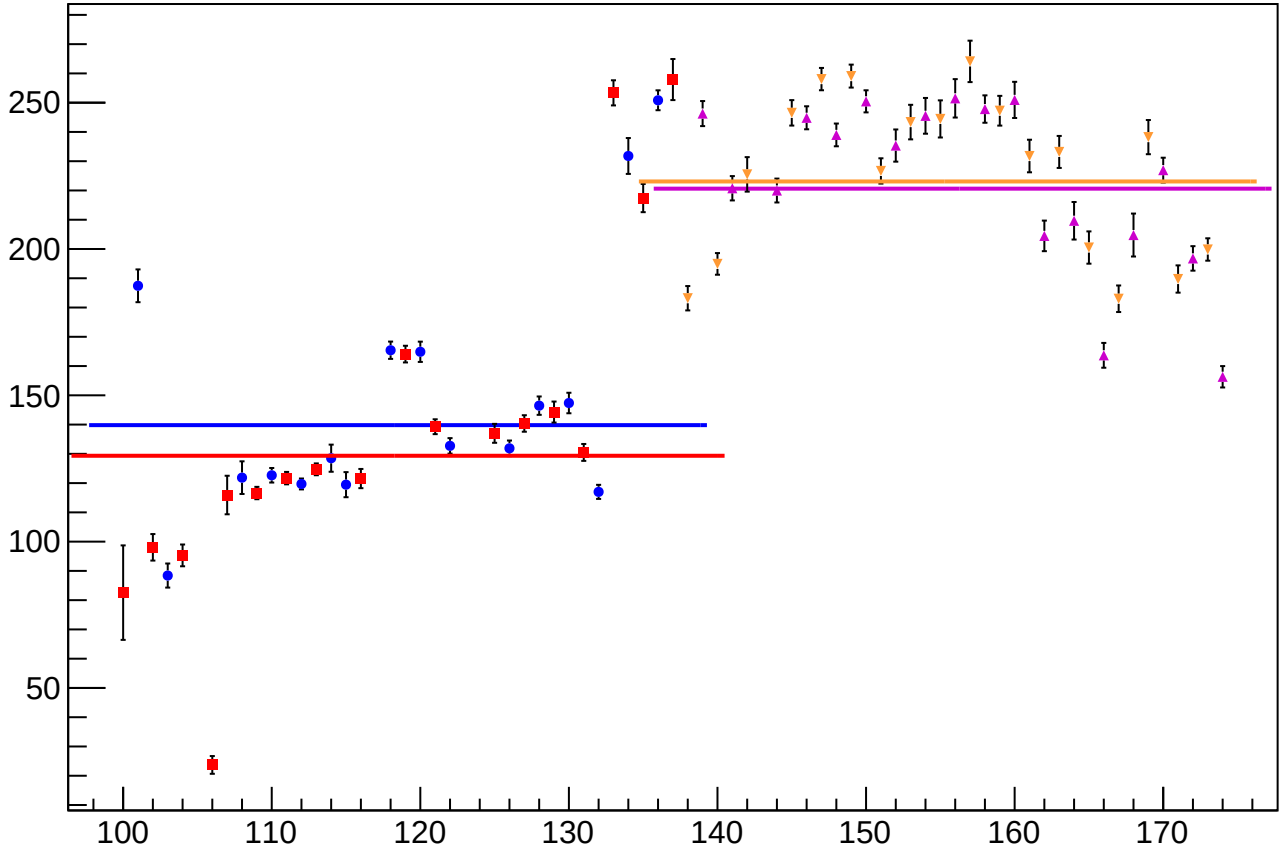
Left In: -161.146+/-0.054 χ^2/NDF:76995.6/17

+ sign -152.862+/-0.046 χ^2/NDF: 263788.0/33

All: -140.874+/-0.031 χ^2/NDF: 1930538.3/69

- 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: 223.079+/-1.116 χ^2/NDF:623.1/17

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

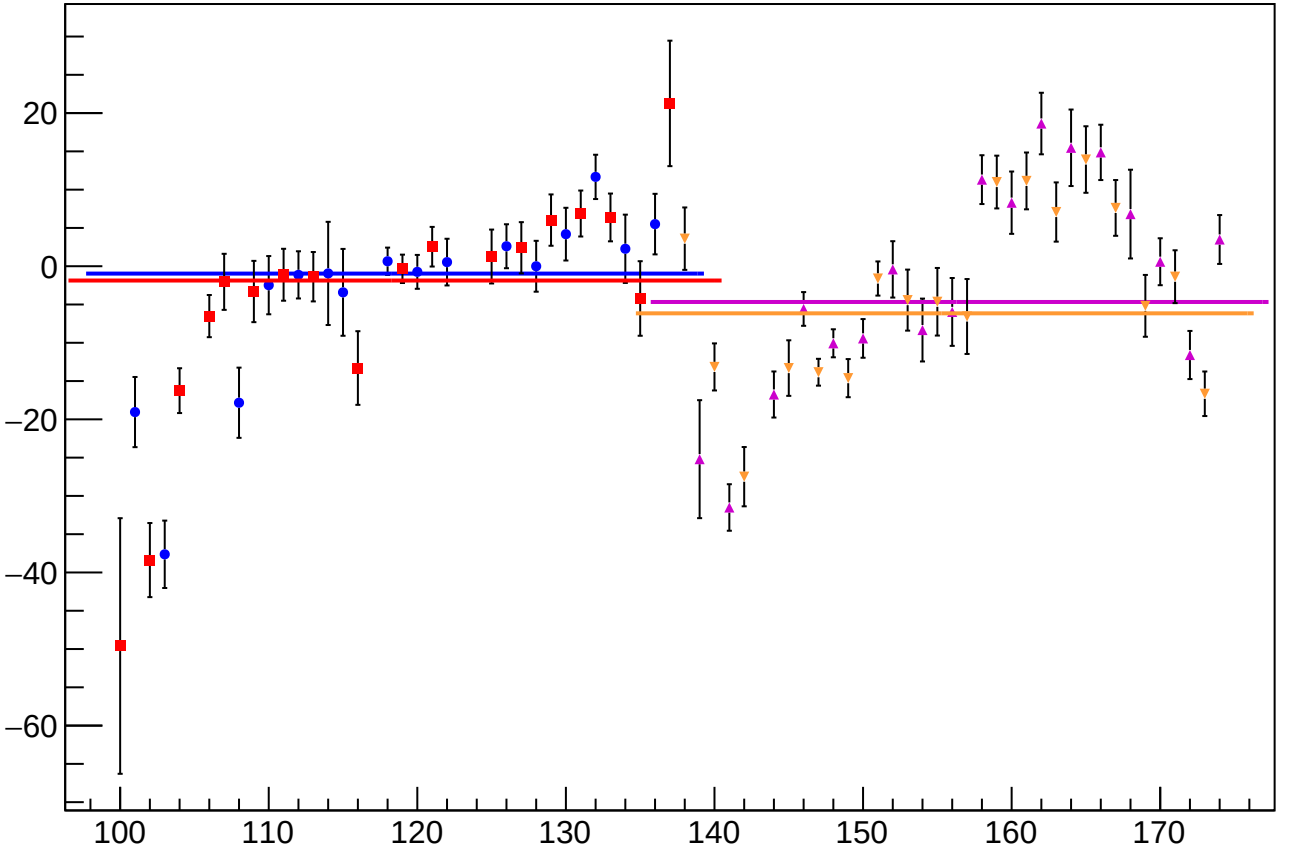
Left In: 220.619+/-1.084 χ^2/NDF:804.7/17

+ sign 167.348+/-0.642 χ^2/NDF: 6313.2/33

All: 162.450+/-0.441 χ^2/NDF: 15212.9/69

- 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: -6.153+/-0.752 χ^2/NDF:189.3/17

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

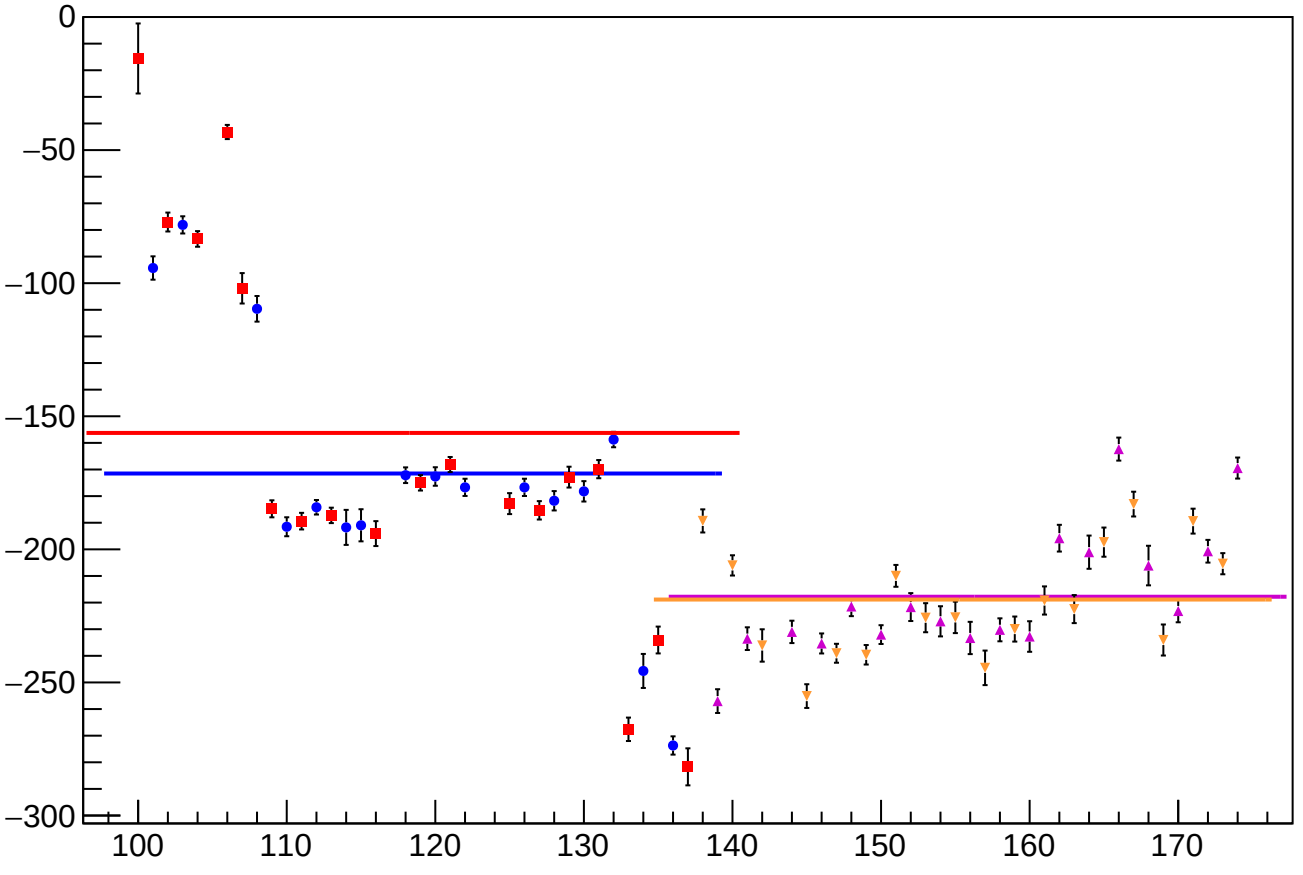
Left In: -4.671+/-0.755 χ^2/NDF:248.6/17

\+ sign -3.745+/-0.551 χ^2/NDF: 337.5/33

All: -3.530+/-0.387 χ^2/NDF: 726.1/69

\- 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: -218.858+/-1.096 χ^2/NDF:358.2/17

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

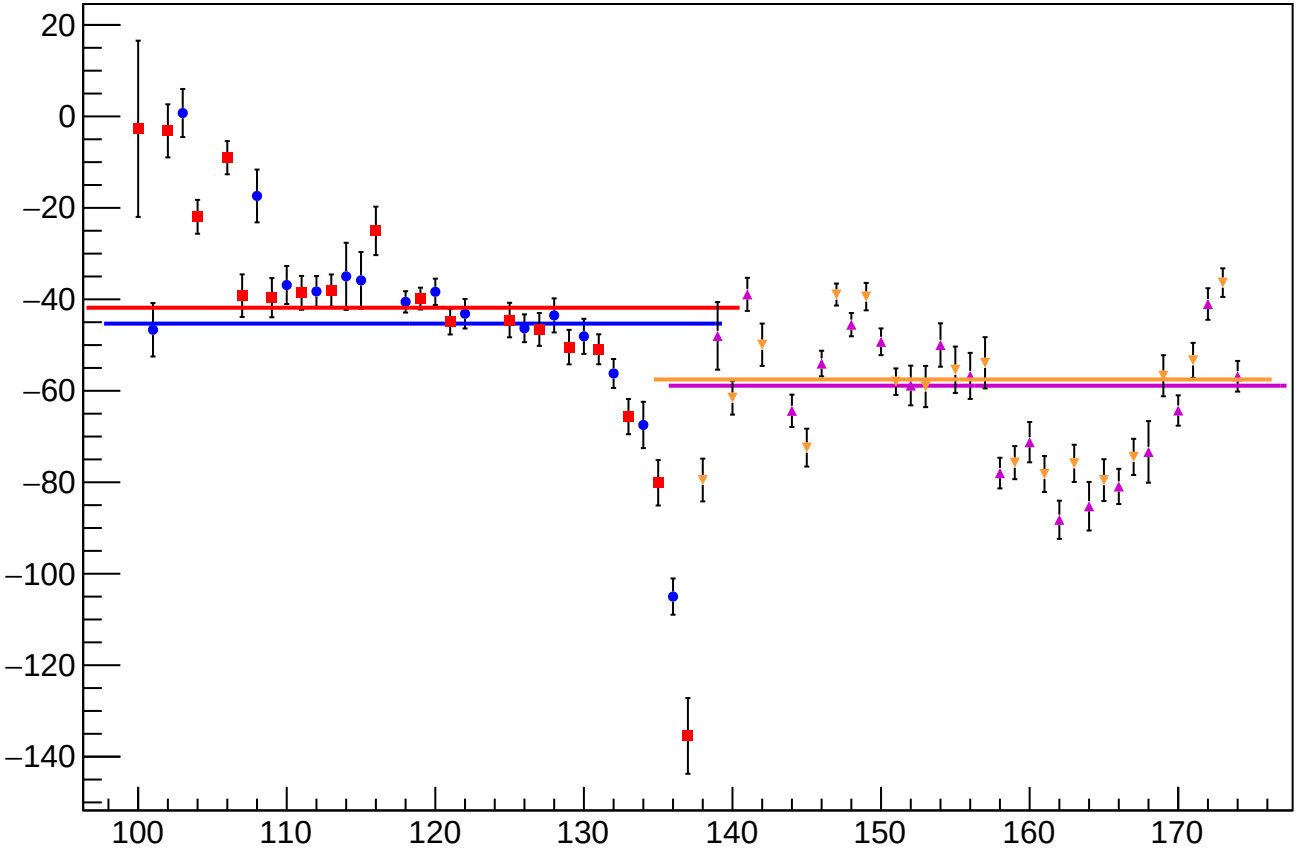
Left In: -217.801+/-1.067 χ^2/NDF:525.2/17

+ sign -190.758+/-0.699 χ^2/NDF: 3909.6/33

All: -185.137+/-0.481 χ^2/NDF: 11502.8/69

- 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: -57.515+/-0.884 χ^2/NDF:297.4/17

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

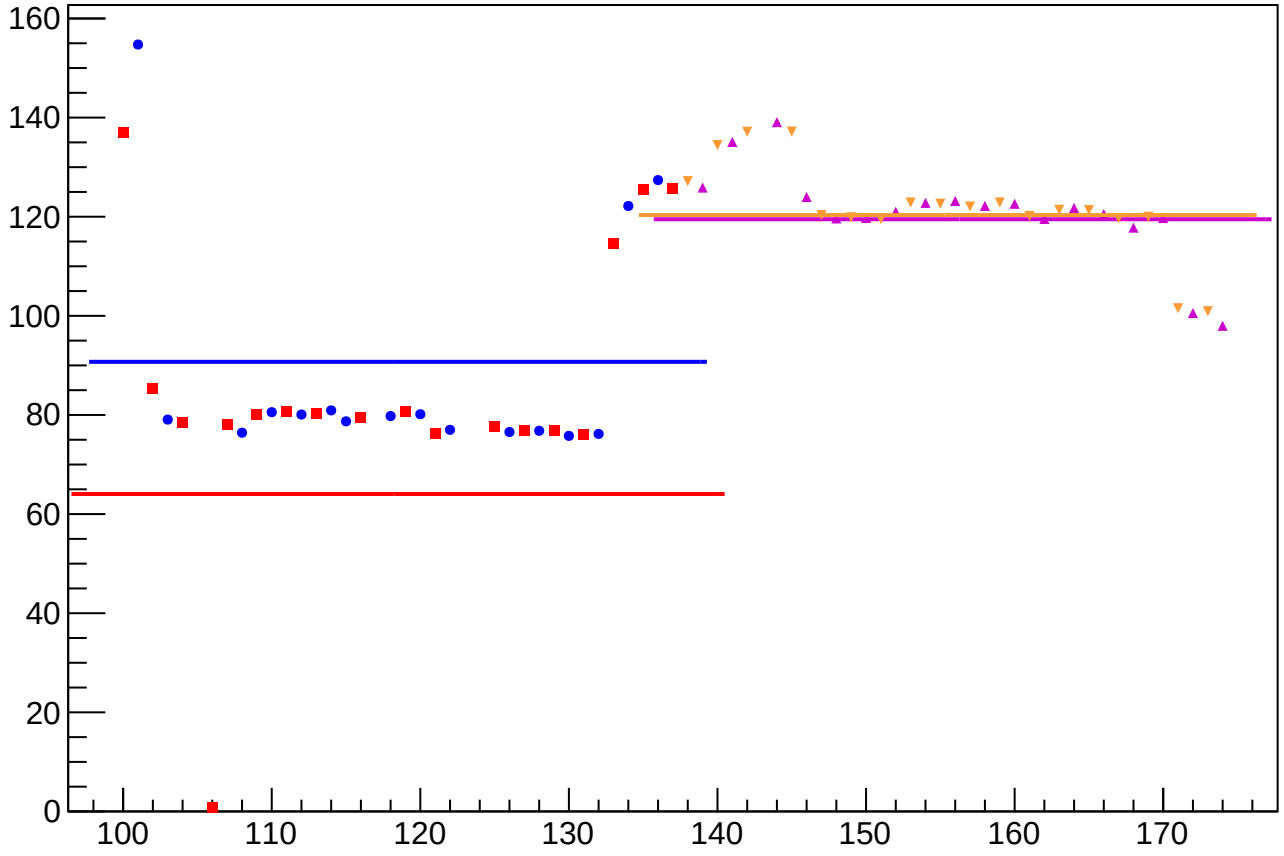
Left In: -58.883+/-0.878 χ^2/NDF:261.5/17

\+ sign -51.770+/-0.643 χ^2/NDF: 769.2/33

All: -51.202+/-0.451 χ^2/NDF: 1628.4/69

\- 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: 120.338+/-0.042 χ^2/NDF:56317.7/17

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

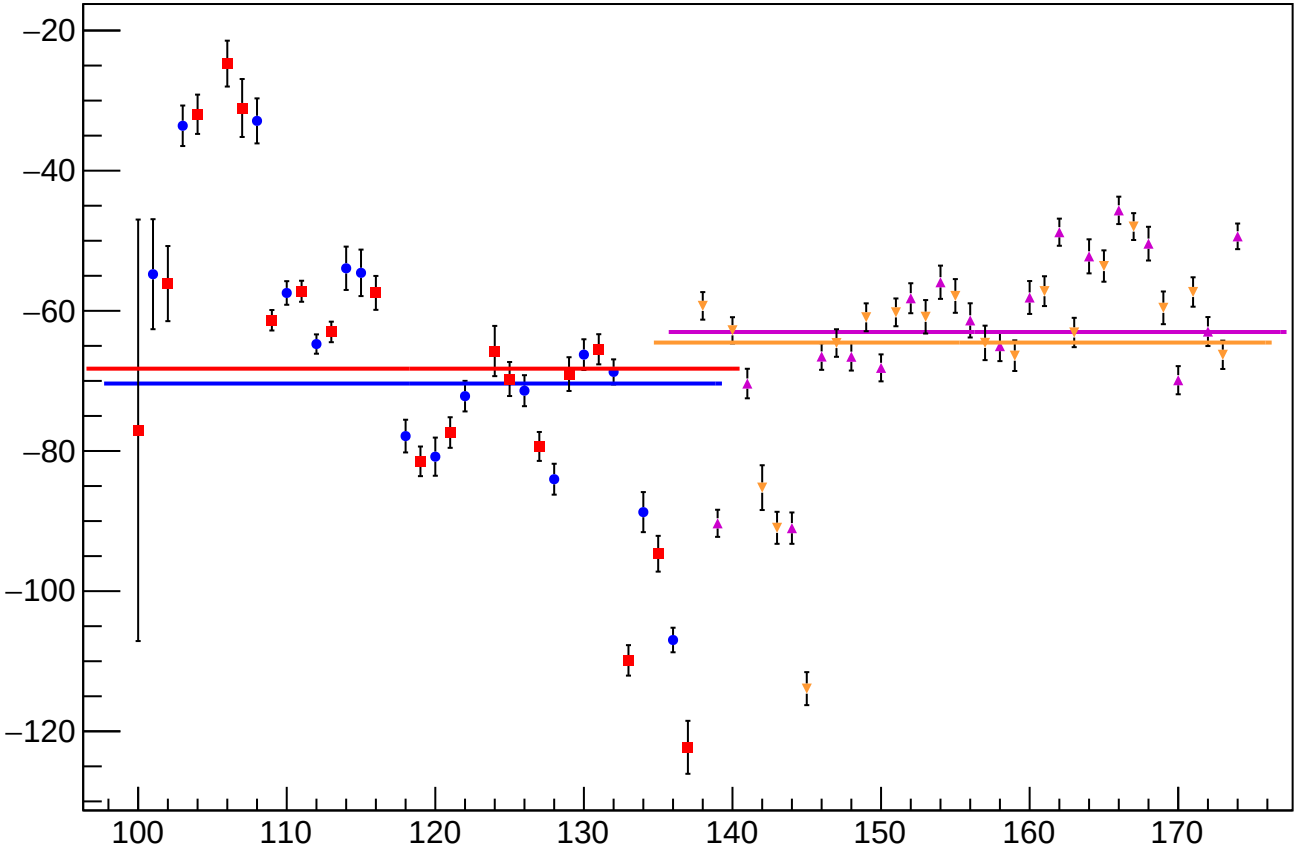
Left In: 119.488+/-0.040 χ^2/NDF:63298.4/17

+ sign 110.399+/-0.034 χ^2/NDF: 387800.6/33

All: 103.360+/-0.023 χ^2/NDF: 1952746.5/69

- 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: -64.527+/-0.495 χ^2/NDF:770.0/18

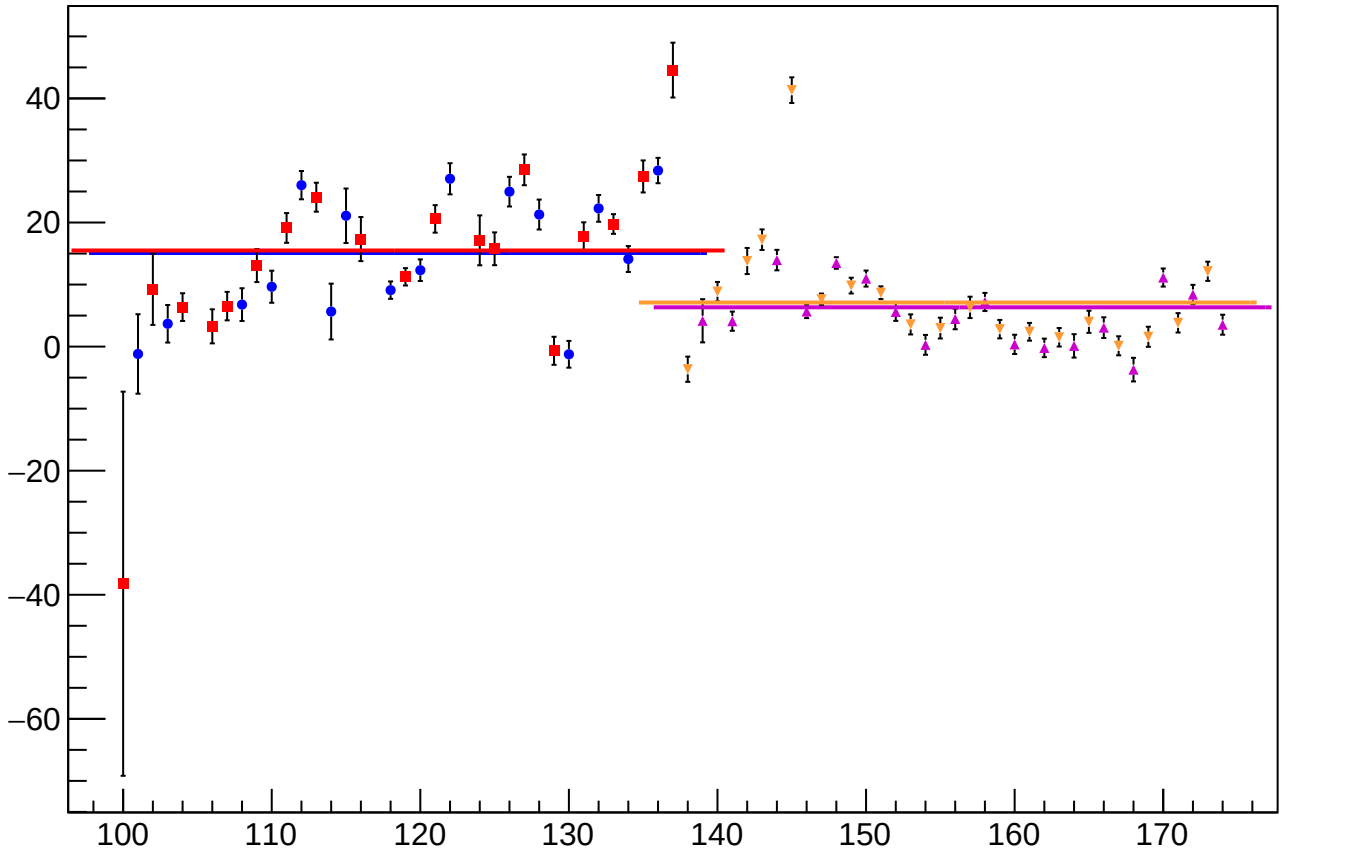
Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -63.022+/-0.493 χ^2/NDF:648.5/17

\+ sign -67.105+/-0.370 χ^2/NDF: 1806.4/34

All: -66.262+/-0.258 χ^2/NDF: 3823.4/71

\- sign -65.466+/-0.360 χ^2/NDF: 2007.0/36



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 7.108+/-0.340 χ^2/NDF:452.1/18

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

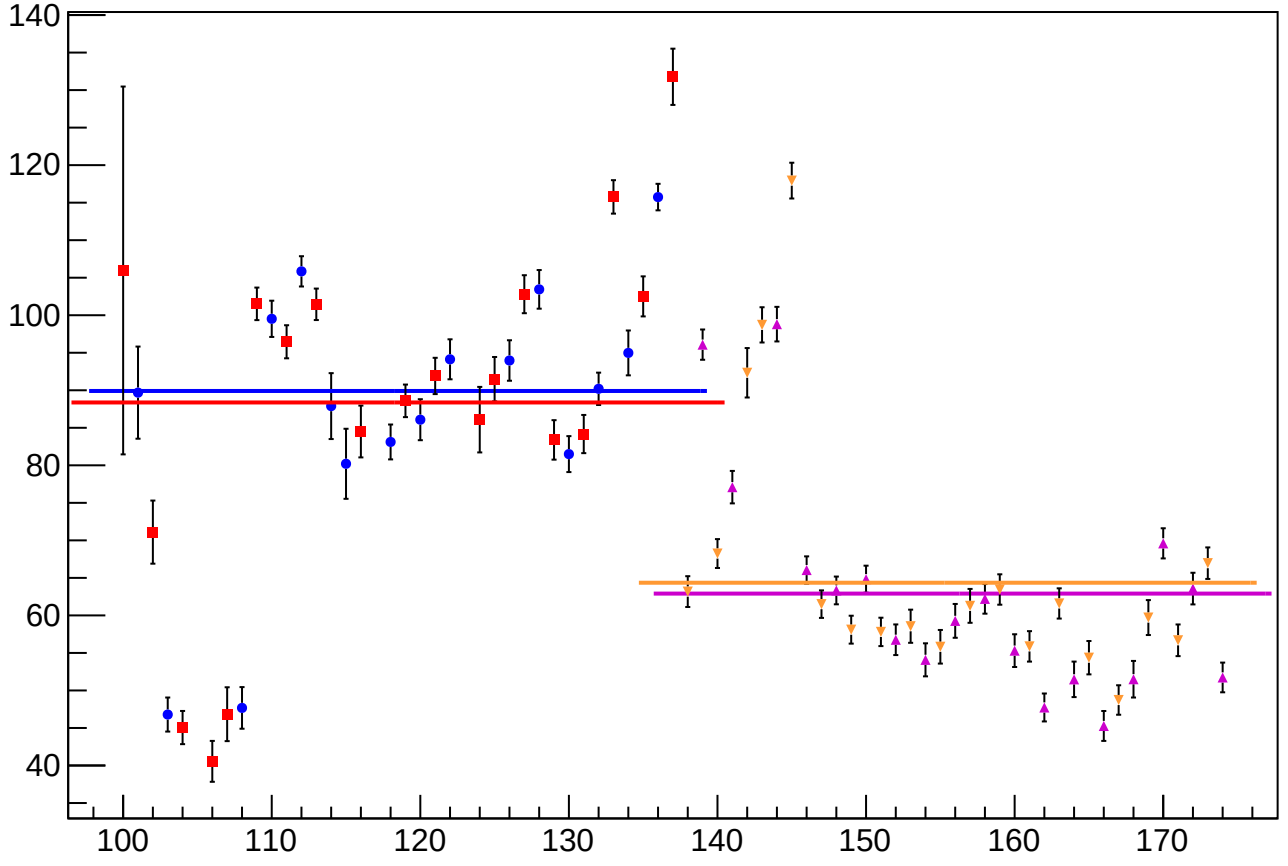
Left In: 6.331+/-0.348 χ^2/NDF:203.9/17

\+ sign 9.142+/-0.293 χ^2/NDF: 835.4/34

All: 9.022+/-0.208 χ^2/NDF: 1472.7/71

\- 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: 64.355+/-0.485 χ^2/NDF:966.8/18

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

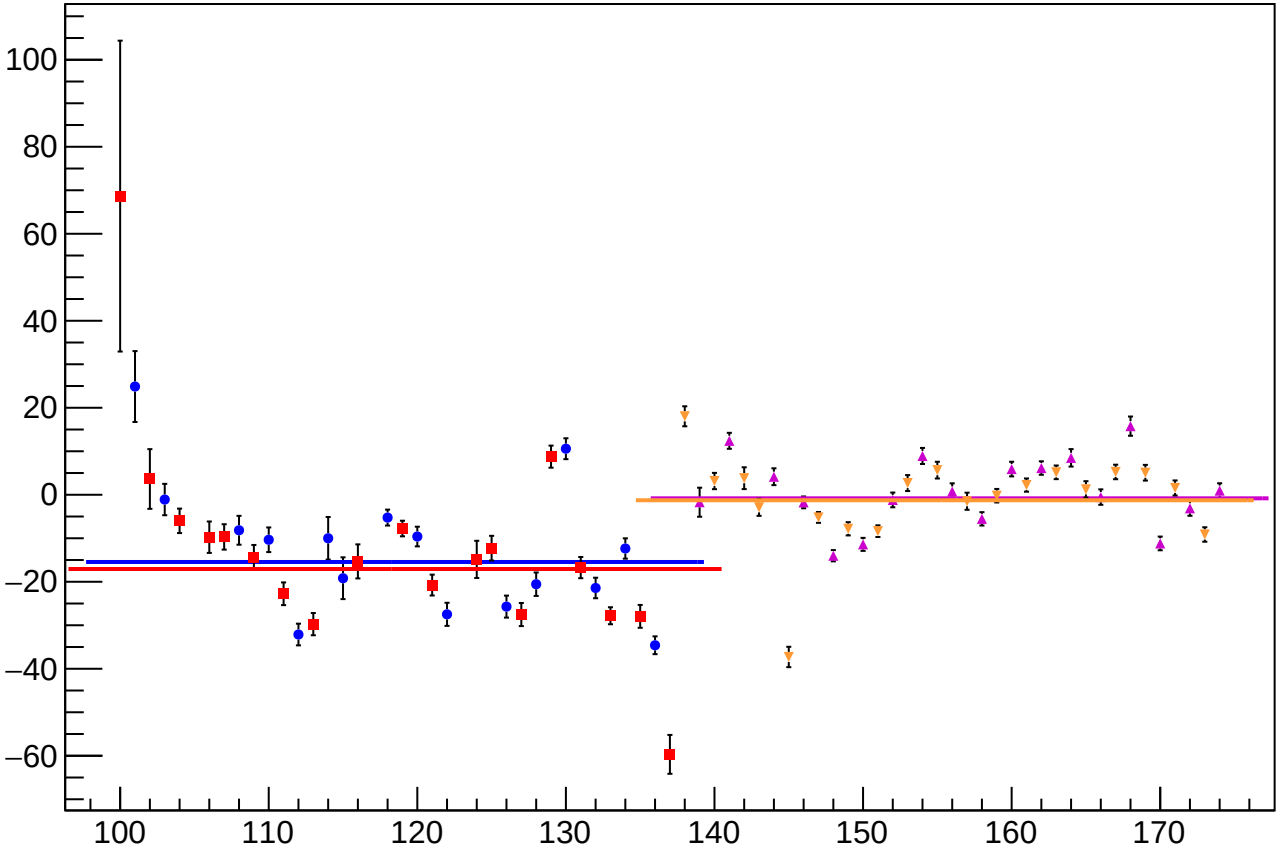
Left In: 62.907+/-0.484 χ^2/NDF:833.5/17

+ sign 73.659+/-0.387 χ^2/NDF: 2925.9/34

All: 73.116+/-0.271 χ^2/NDF: 6106.8/71

- 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: -1.263+/-0.394 χ^2/NDF:468.6/18

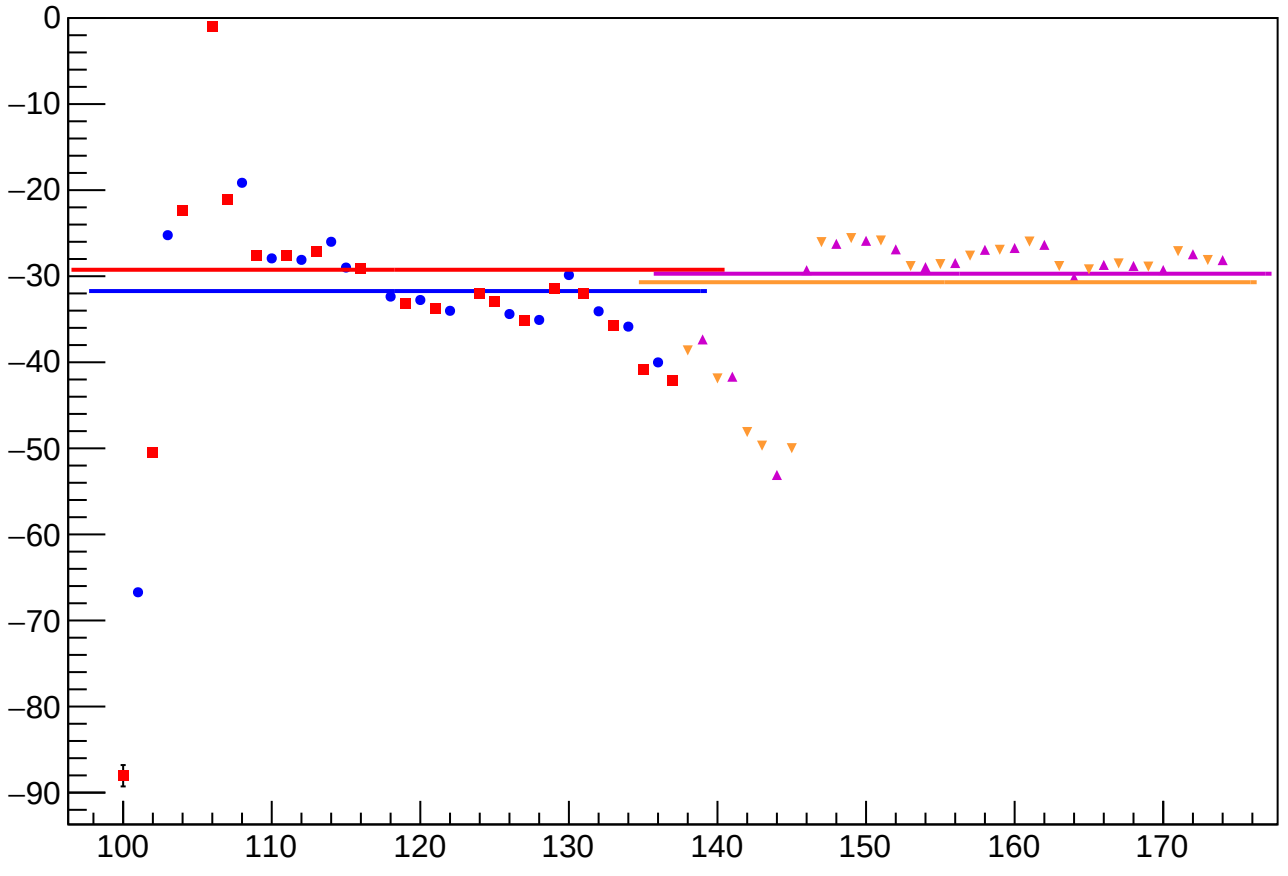
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.818+/-0.401 χ^2/NDF:410.8/17

+ sign -4.950+/-0.339 χ^2/NDF: 1191.7/34

All: -5.156+/-0.240 χ^2/NDF: 2423.2/71

- 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: -30.697+/-0.018 χ^2/NDF:151703.2/18

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

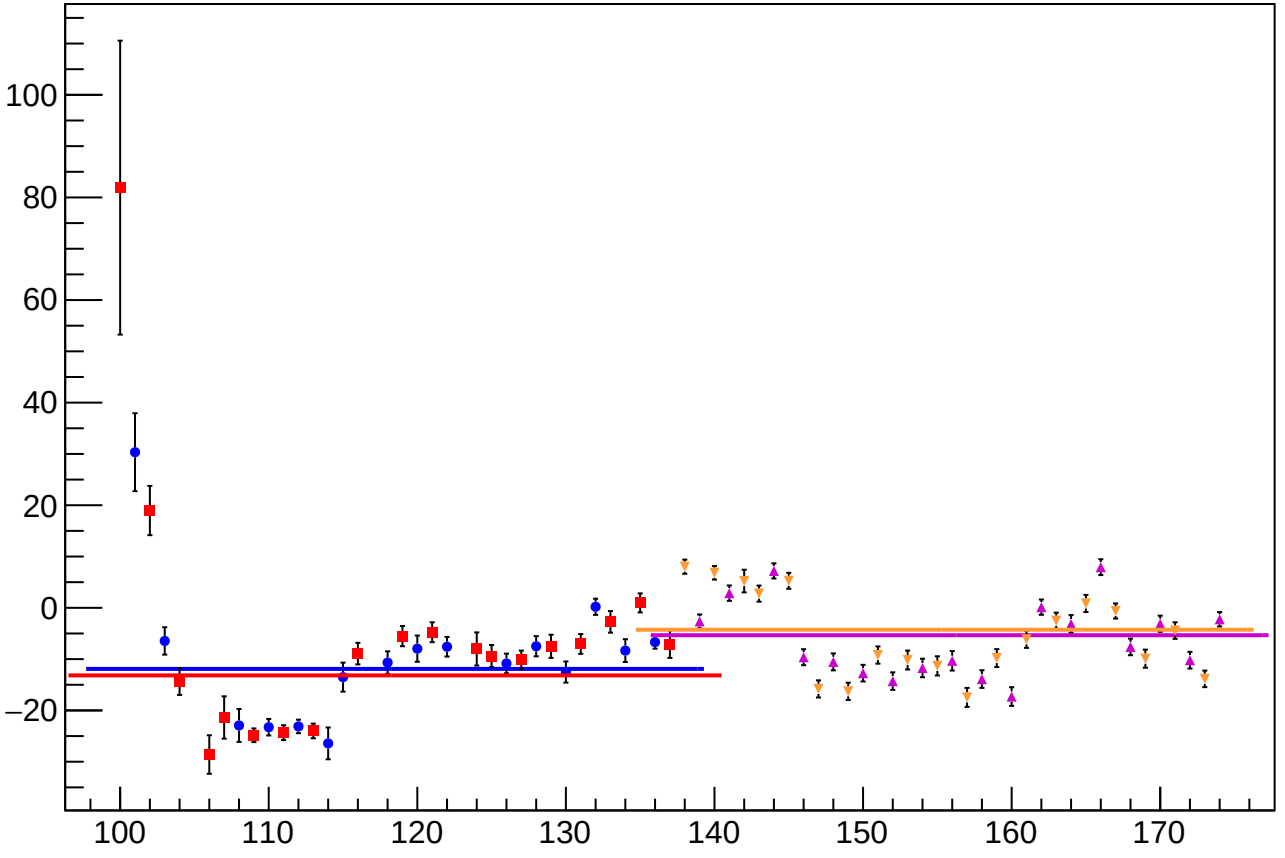
Left In: -29.710+/-0.018 χ^2/NDF:95097.2/17

+ sign -30.883+/-0.016 χ^2/NDF: 191922.6/34

All: -30.250+/-0.012 χ^2/NDF: 385335.9/71

- 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: -4.271+/-0.376 χ^2/NDF:481.7/18

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

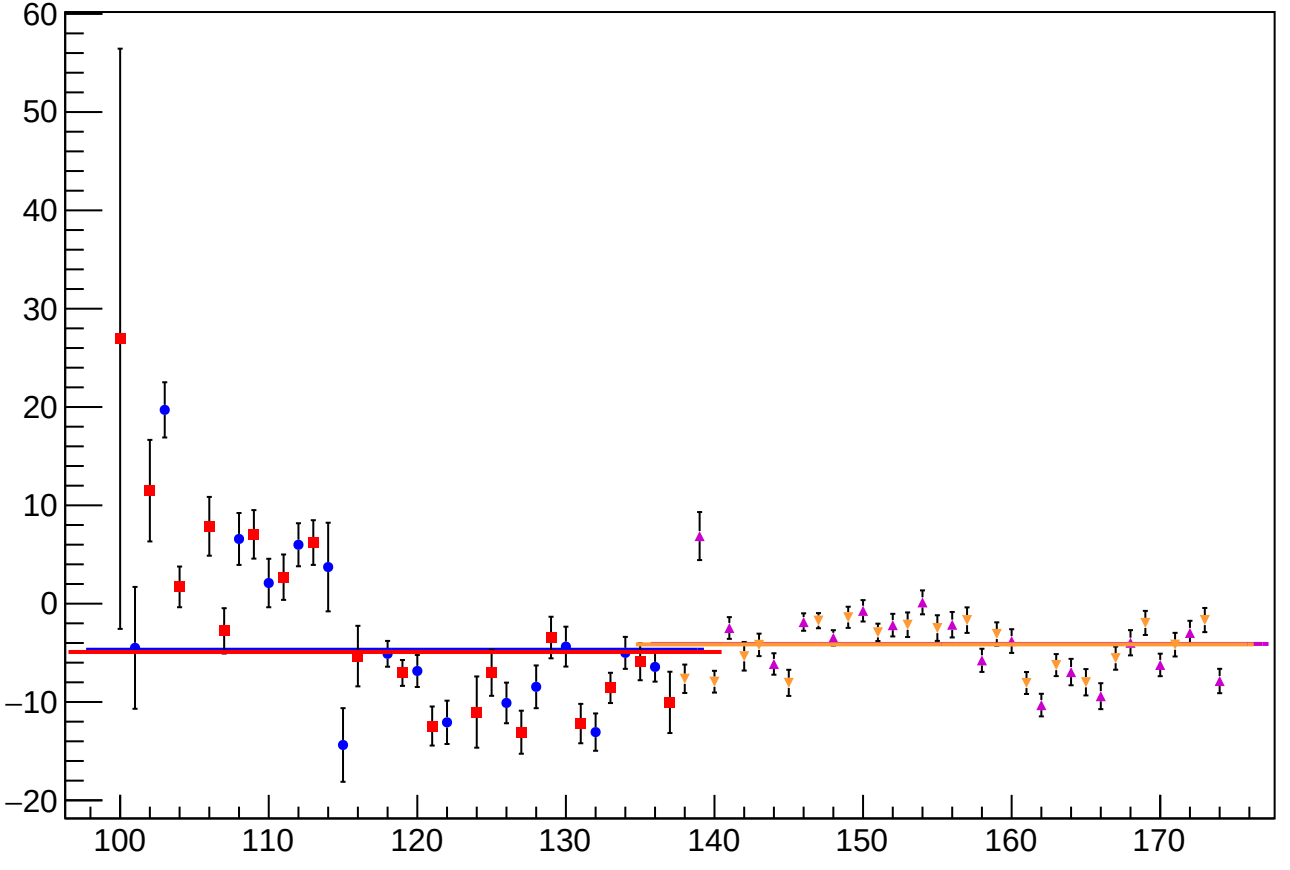
Left In: -5.335+/-0.377 χ^2/NDF:365.5/17

+ sign -7.054+/-0.300 χ^2/NDF: 914.0/34

All: -7.695+/-0.211 χ^2/NDF: 1874.7/71

- 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: -4.144+/-0.264 χ^2/NDF:86.6/18

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

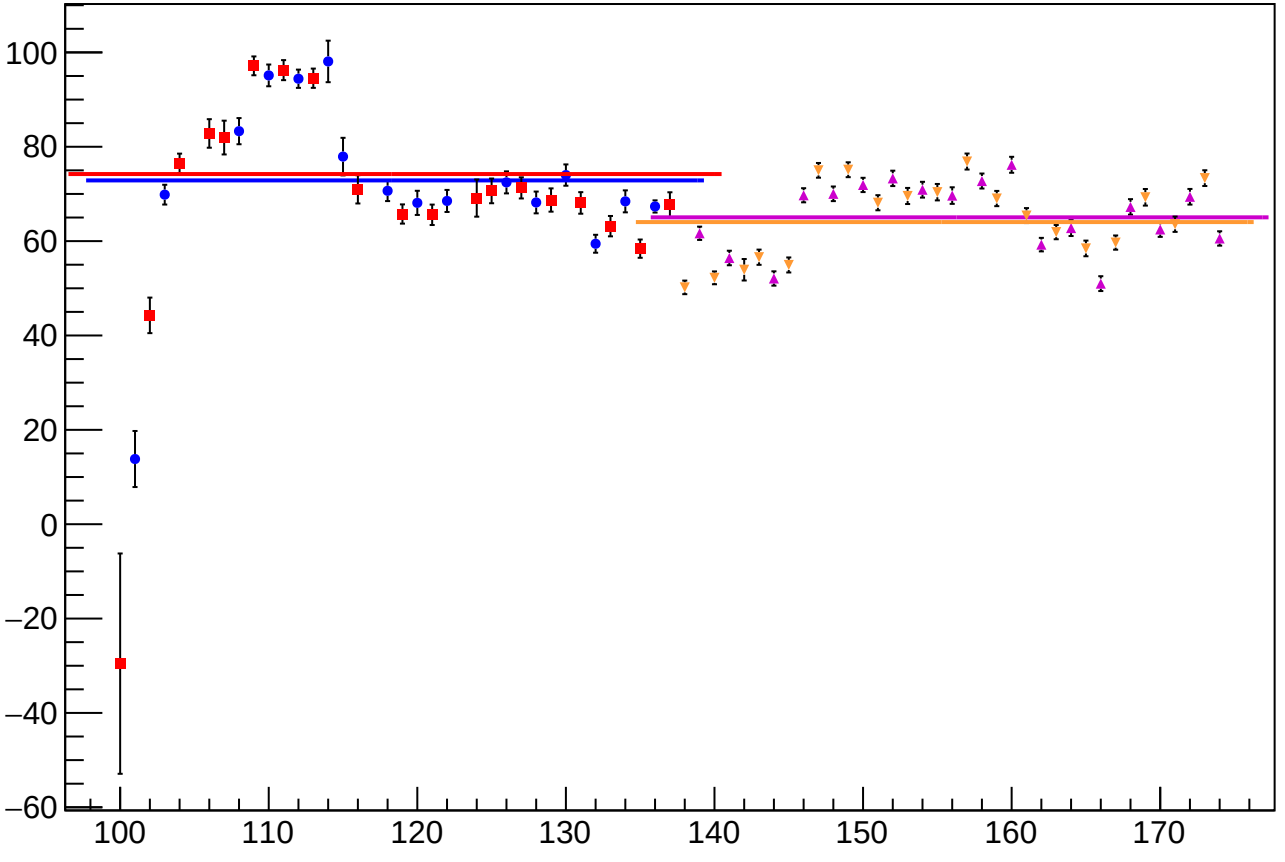
Left In: -4.097+/-0.271 χ^2/NDF:125.1/17

\+ sign -4.256+/-0.235 χ^2/NDF: 266.5/34

All: -4.265+/-0.168 χ^2/NDF: 549.5/71

\- 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: 64.037+/-0.370 χ^2/NDF:499.7/18

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

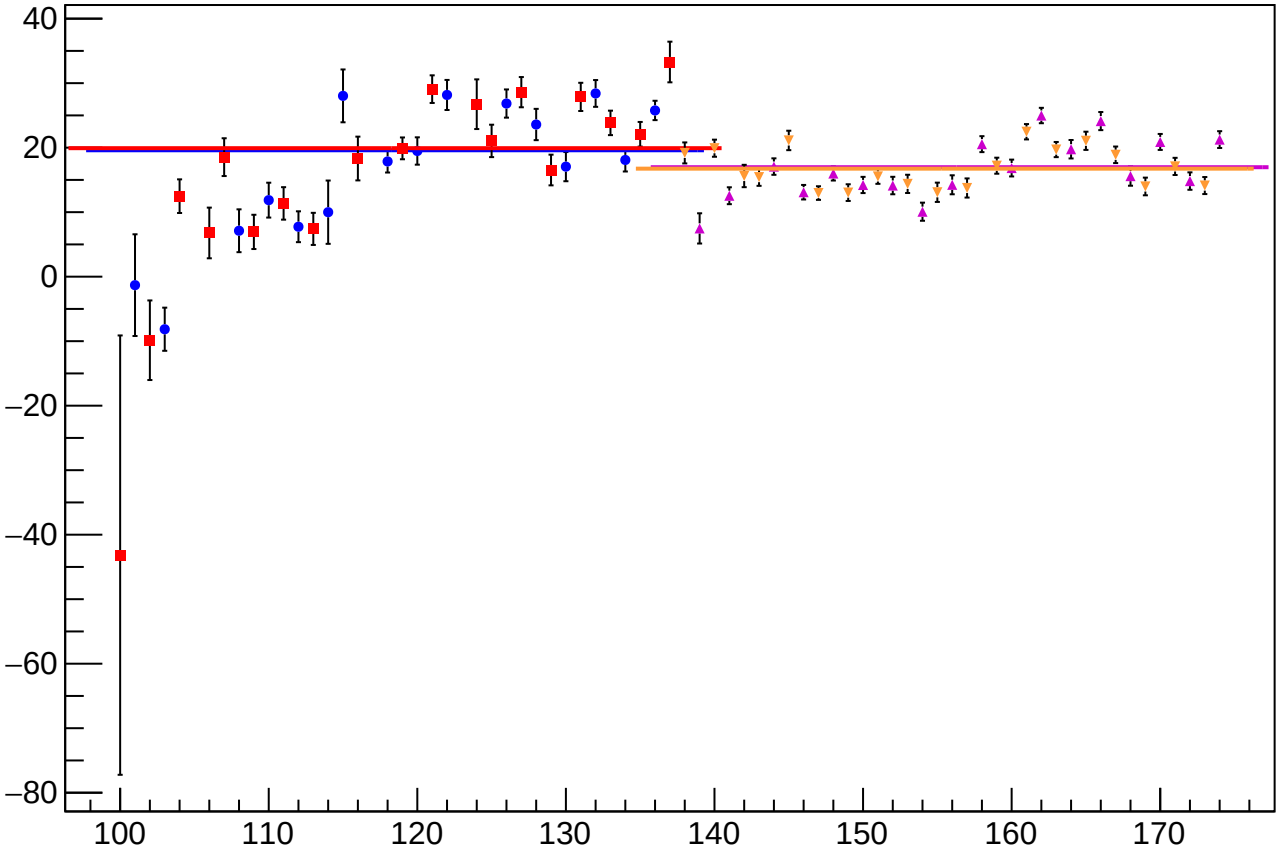
Left In: 65.041+/-0.371 χ^2/NDF:380.1/17

+ sign 66.685+/-0.310 χ^2/NDF: 1121.2/34

All: 67.254+/-0.219 χ^2/NDF: 2279.8/71

- 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: 16.746+/-0.305 χ^2/NDF:102.7/18

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

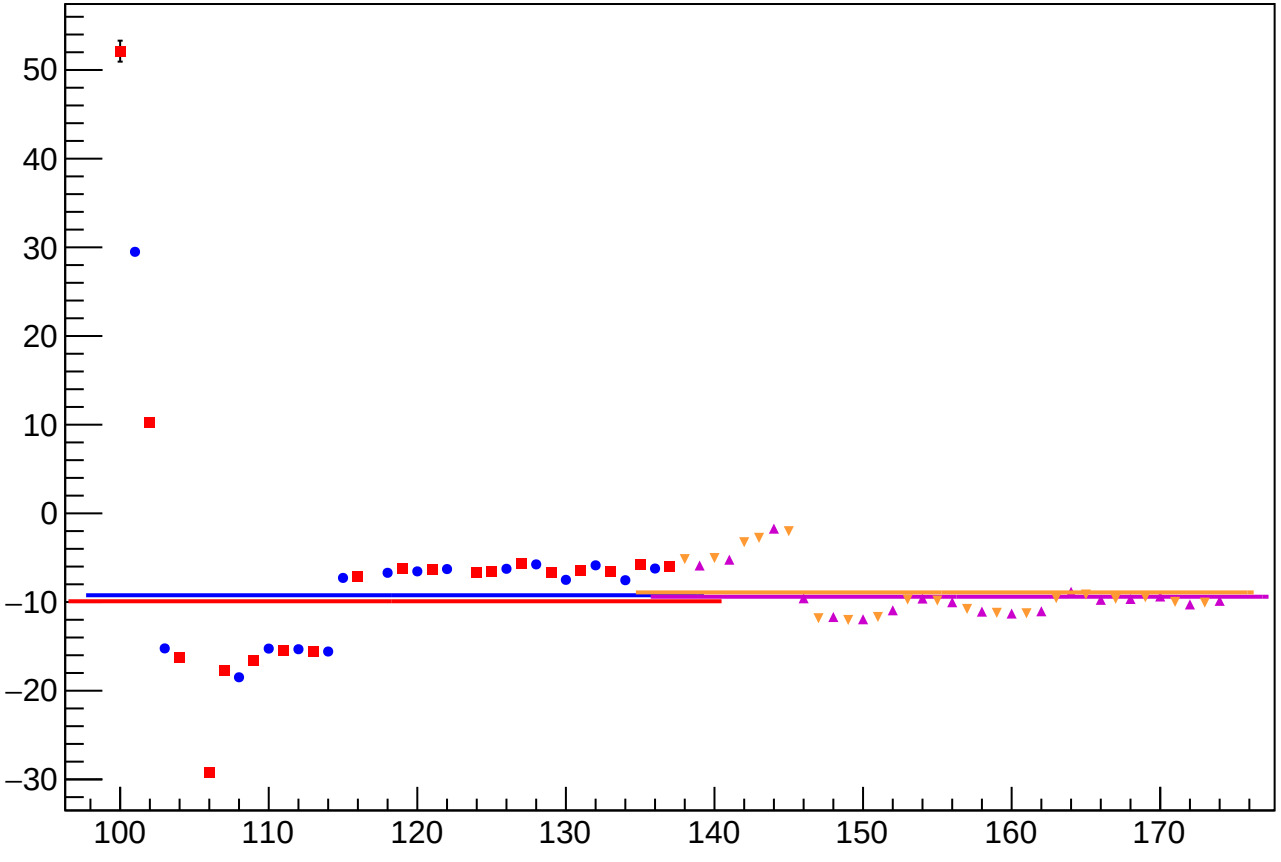
Left In: 16.969+/-0.311 χ^2/NDF:184.7/17

\+ sign 17.354+/-0.270 χ^2/NDF: 317.3/34

All: 17.484+/-0.193 χ^2/NDF: 703.7/71

\- 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: -8.913+/-0.014 χ^2/NDF:44921.2/18

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

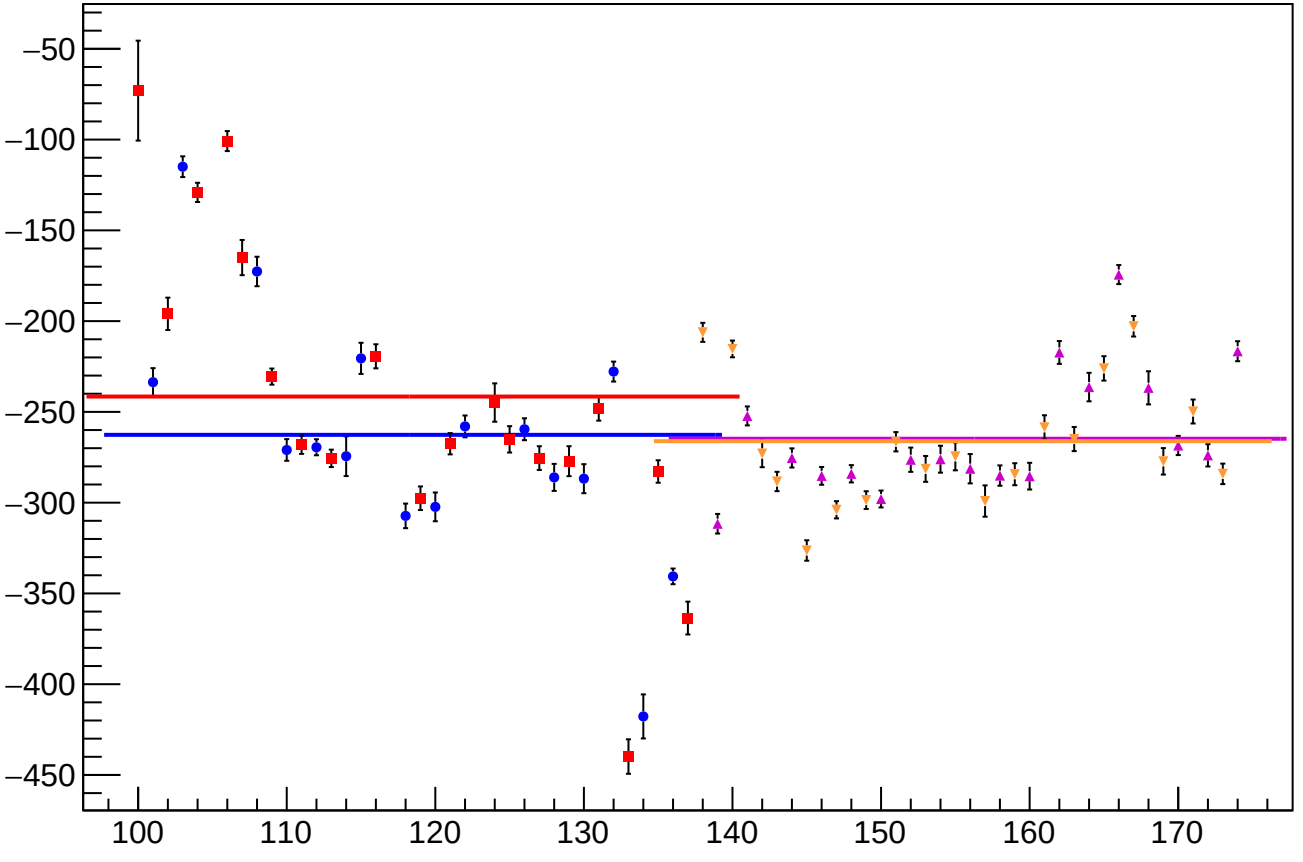
Left In: -9.402+/-0.014 χ^2/NDF:29318.0/17

+ sign -8.962+/-0.013 χ^2/NDF: 76161.8/34

All: -9.217+/-0.009 χ^2/NDF: 160334.9/71

- 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: -266.139+/-1.363 χ^2/NDF:702.9/18

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

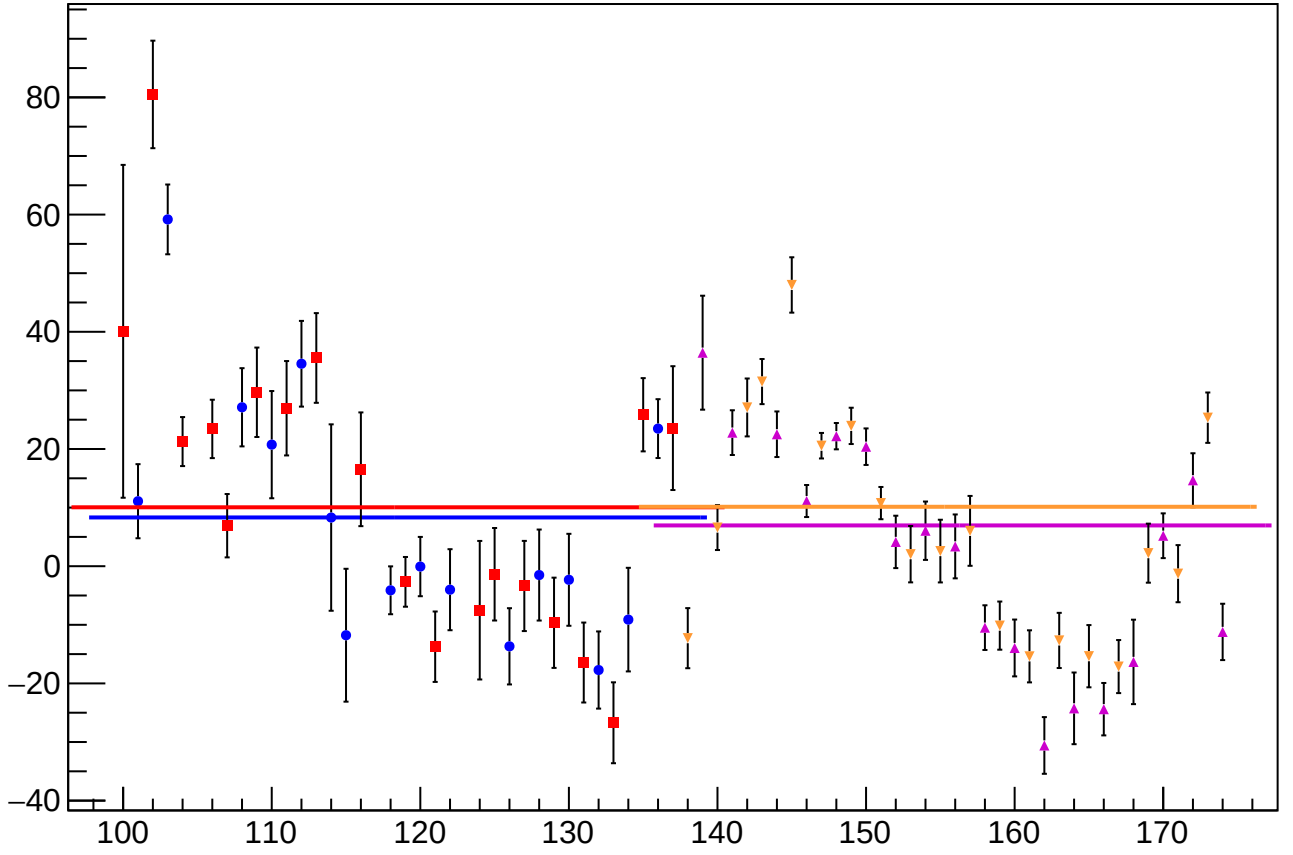
Left In: -264.798+/-1.374 χ^2/NDF:655.8/17

\+ sign -264.684+/-1.041 χ^2/NDF: 2159.9/34

All: -259.329+/-0.727 χ^2/NDF: 5136.0/71

\- 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: 10.140+/-0.918 χ^2/NDF:335.5/18

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

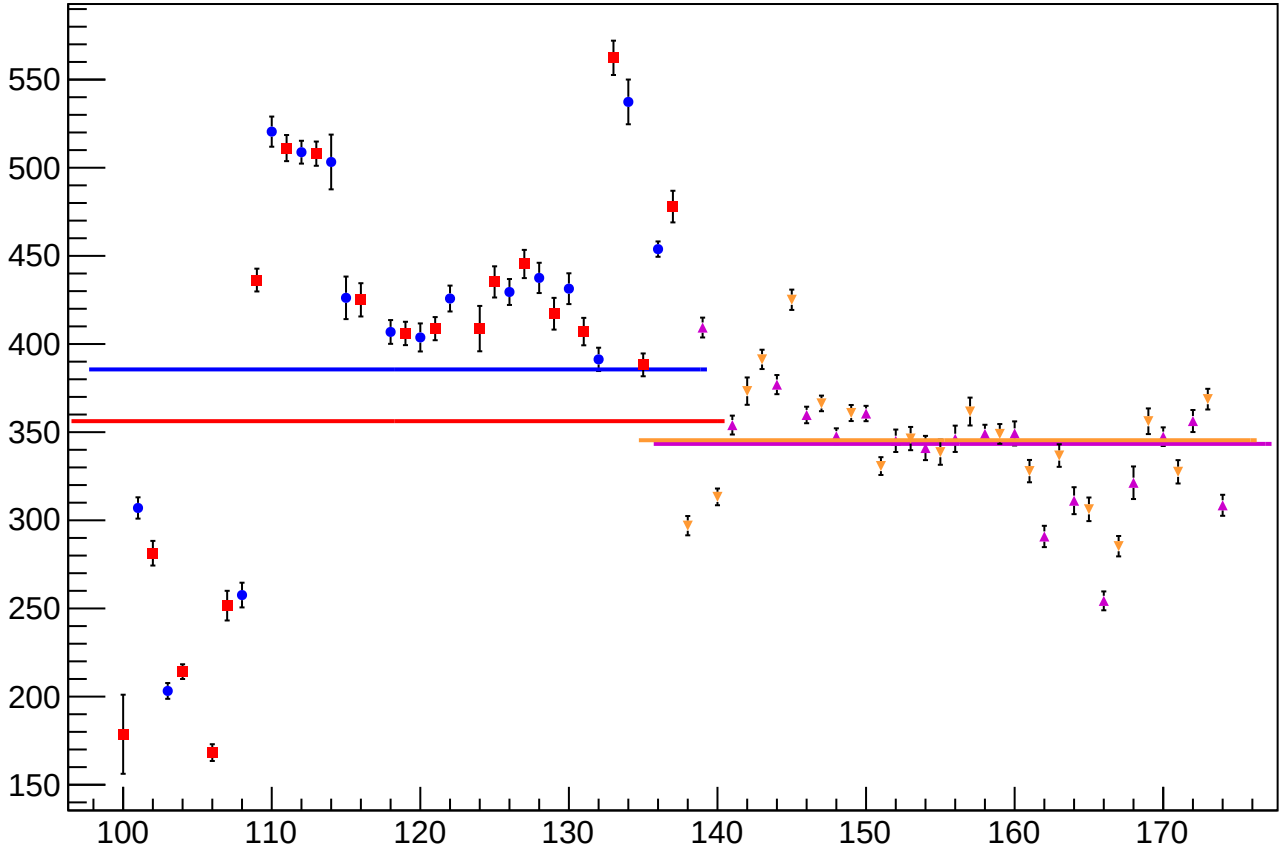
Left In: 6.958+/-0.948 χ^2/NDF:312.9/17

+ sign 9.708+/-0.801 χ^2/NDF: 494.1/34

All: 8.765+/-0.569 χ^2/NDF: 1000.1/71

- 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: 345.428+/-1.338 χ^2/NDF:623.5/18

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

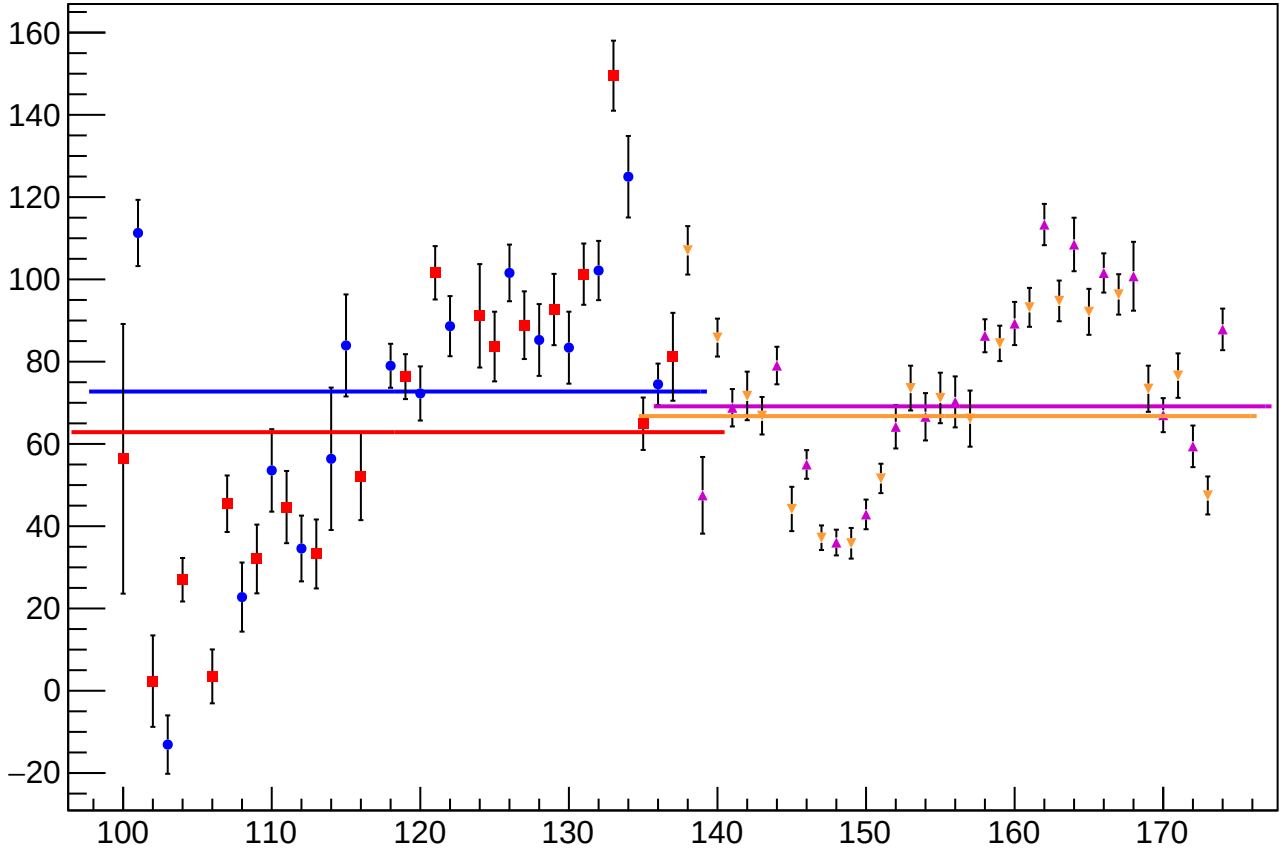
Left In: 343.351+/-1.346 χ^2/NDF:625.6/17

+ sign 360.321+/-1.061 χ^2/NDF: 4330.9/34

All: 354.312+/-0.743 χ^2/NDF: 10326.6/71

- 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: 66.768+/-1.080 χ^2/NDF:427.9/18

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

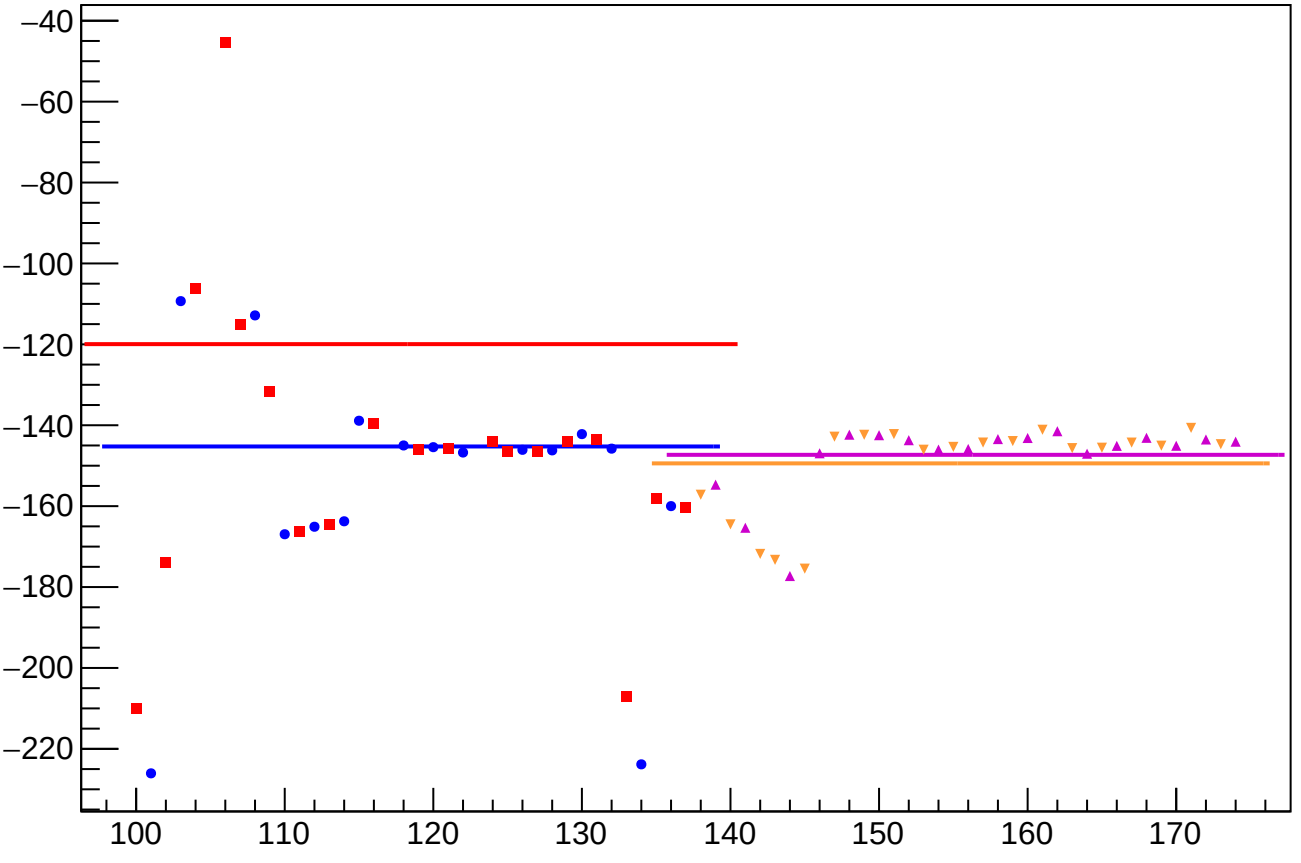
Left In: 69.138+/-1.105 χ^2/NDF:418.1/17

+ sign 68.230+/-0.939 χ^2/NDF: 739.7/34

All: 67.822+/-0.665 χ^2/NDF: 1570.7/71

- 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: -149.427+/-0.051 χ^2/NDF:45499.4/18

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

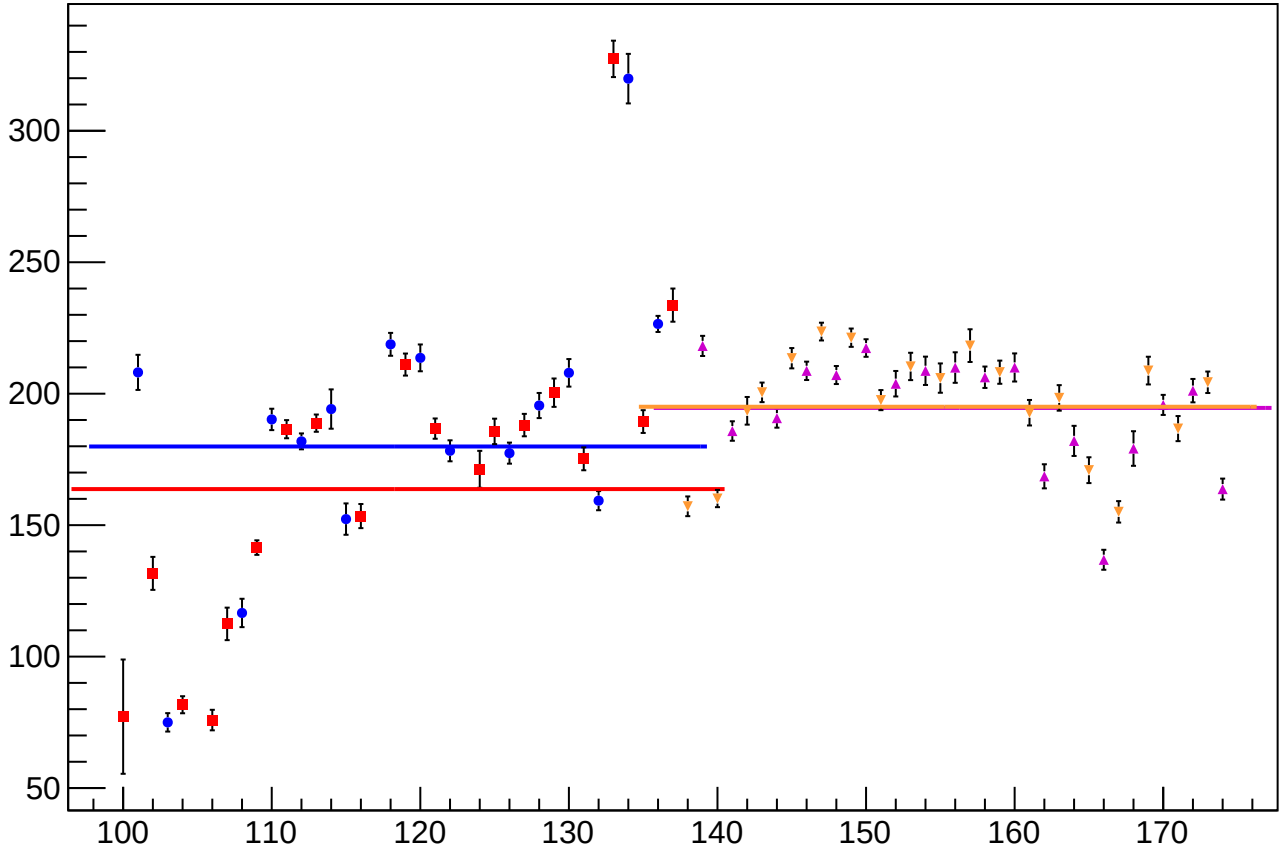
Left In: -147.312+/-0.051 χ^2/NDF:27508.9/17

+ sign -148.538+/-0.045 χ^2/NDF: 178980.0/34

All: -144.459+/-0.032 χ^2/NDF: 564015.4/71

- 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: 195.035+/-0.975 χ^2/NDF:540.9/18

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

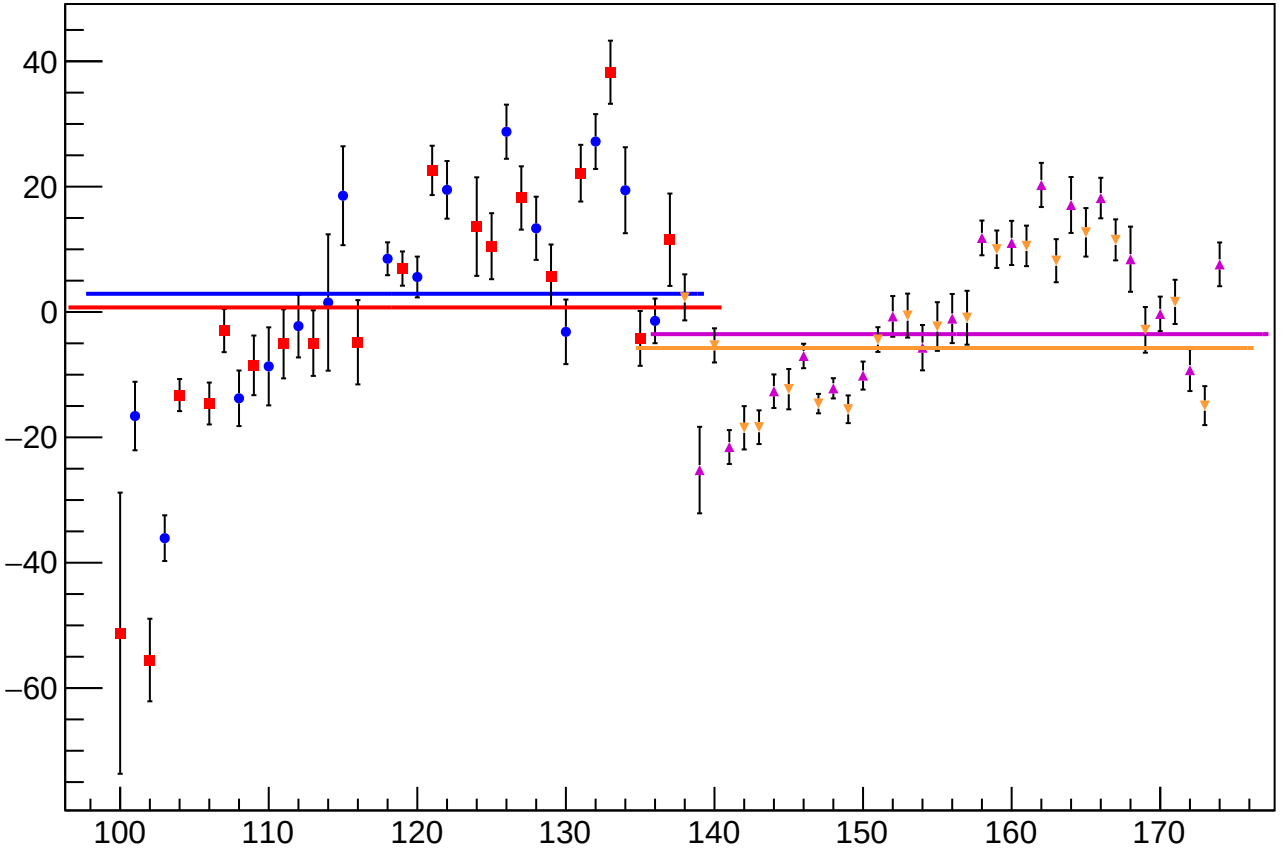
Left In: 194.592+/-0.986 χ^2/NDF:490.8/17

+ sign 188.303+/-0.726 χ^2/NDF: 2380.6/34

All: 183.692+/-0.505 χ^2/NDF: 5849.0/71

- sign 179.380+/-0.702 χ^2/NDF: 3390.4/36

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -5.748+/-0.657 χ^2/NDF:235.4/18

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

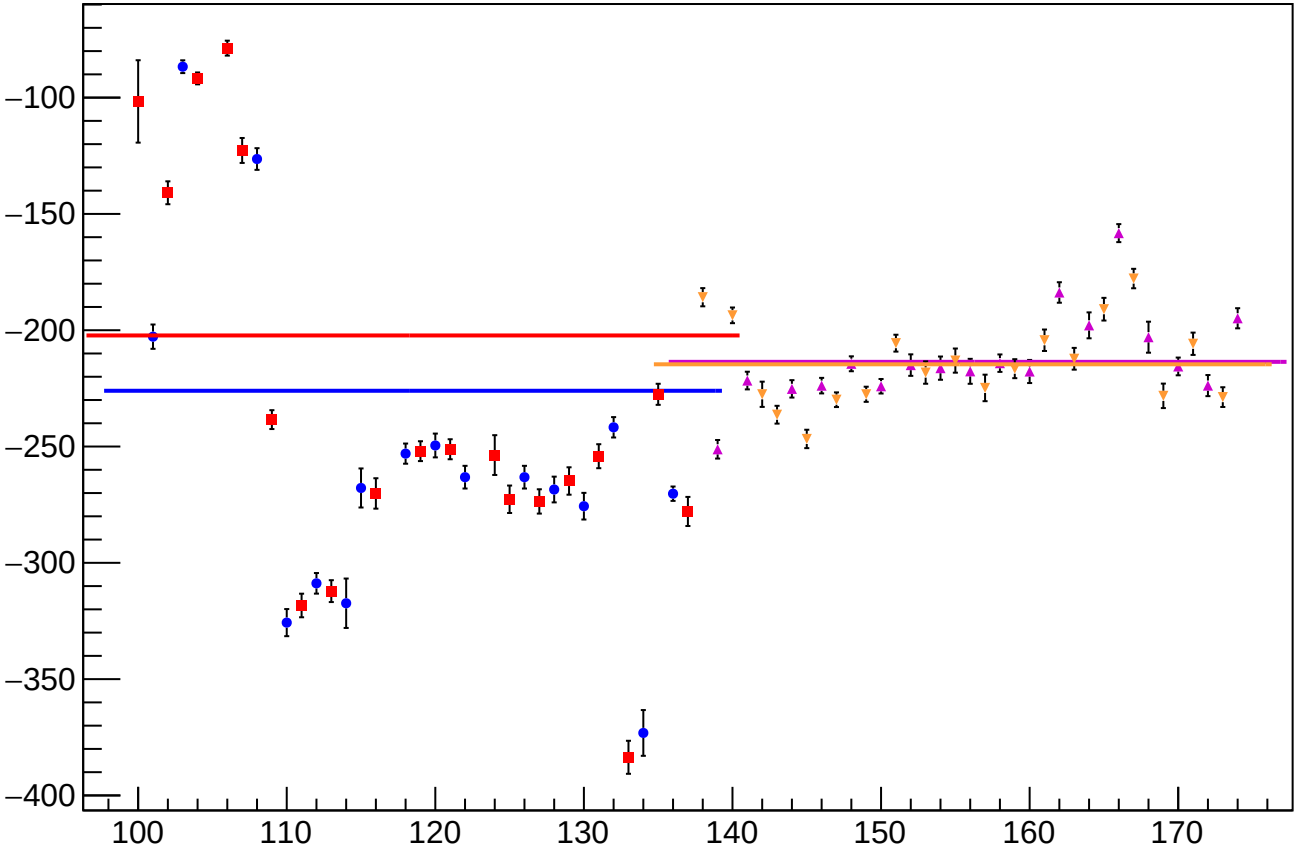
Left In: -3.534+/-0.681 χ^2/NDF:287.4/17

+ sign -3.487+/-0.565 χ^2/NDF: 528.3/34

All: -2.847+/-0.399 χ^2/NDF: 1104.0/71

- 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: -214.647+/-0.958 χ^2/NDF:373.9/18

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

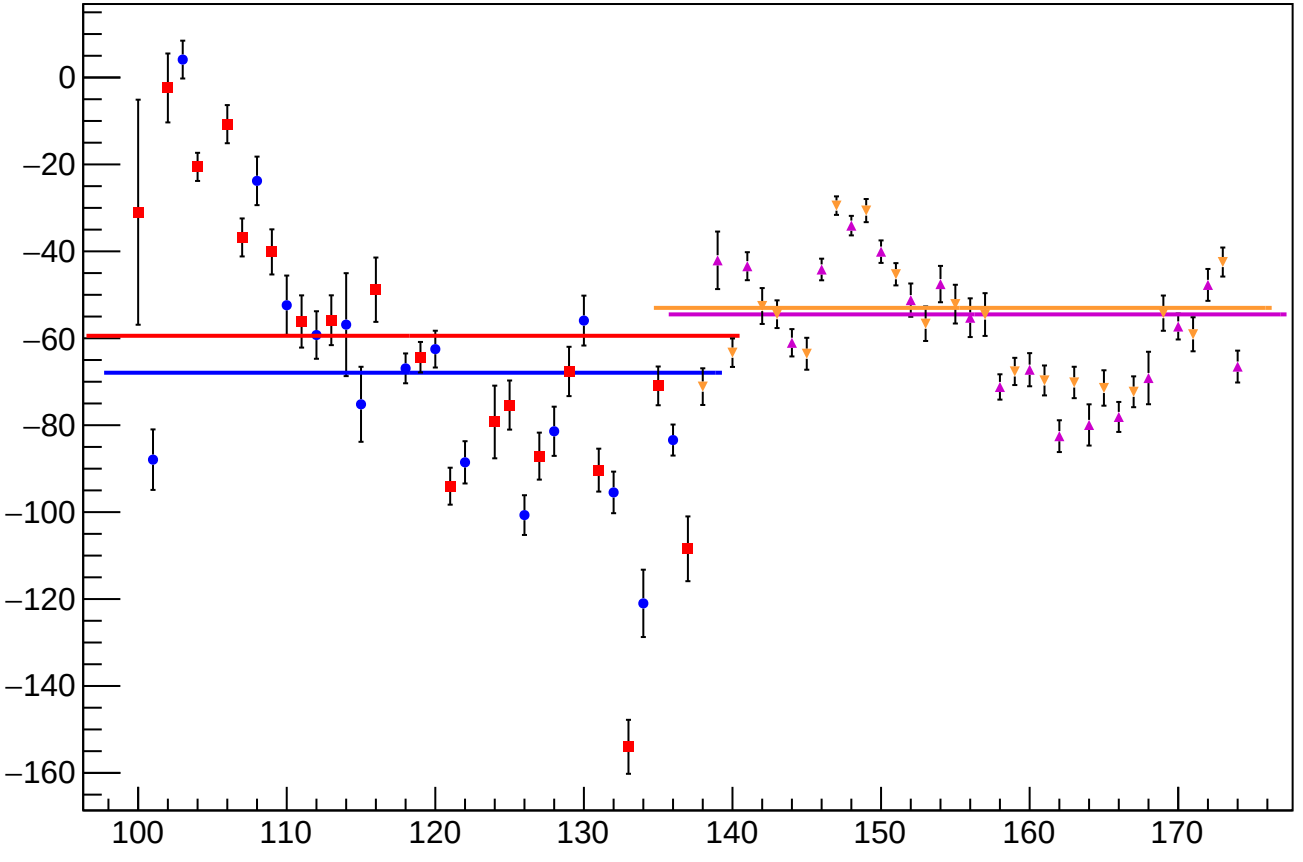
Left In: -213.592+/-0.967 χ^2/NDF:409.9/17

+ sign -219.193+/-0.743 χ^2/NDF: 4969.3/34

All: -213.741+/-0.518 χ^2/NDF: 12235.7/71

- 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: -53.004+/-0.774 χ^2/NDF:370.0/18

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

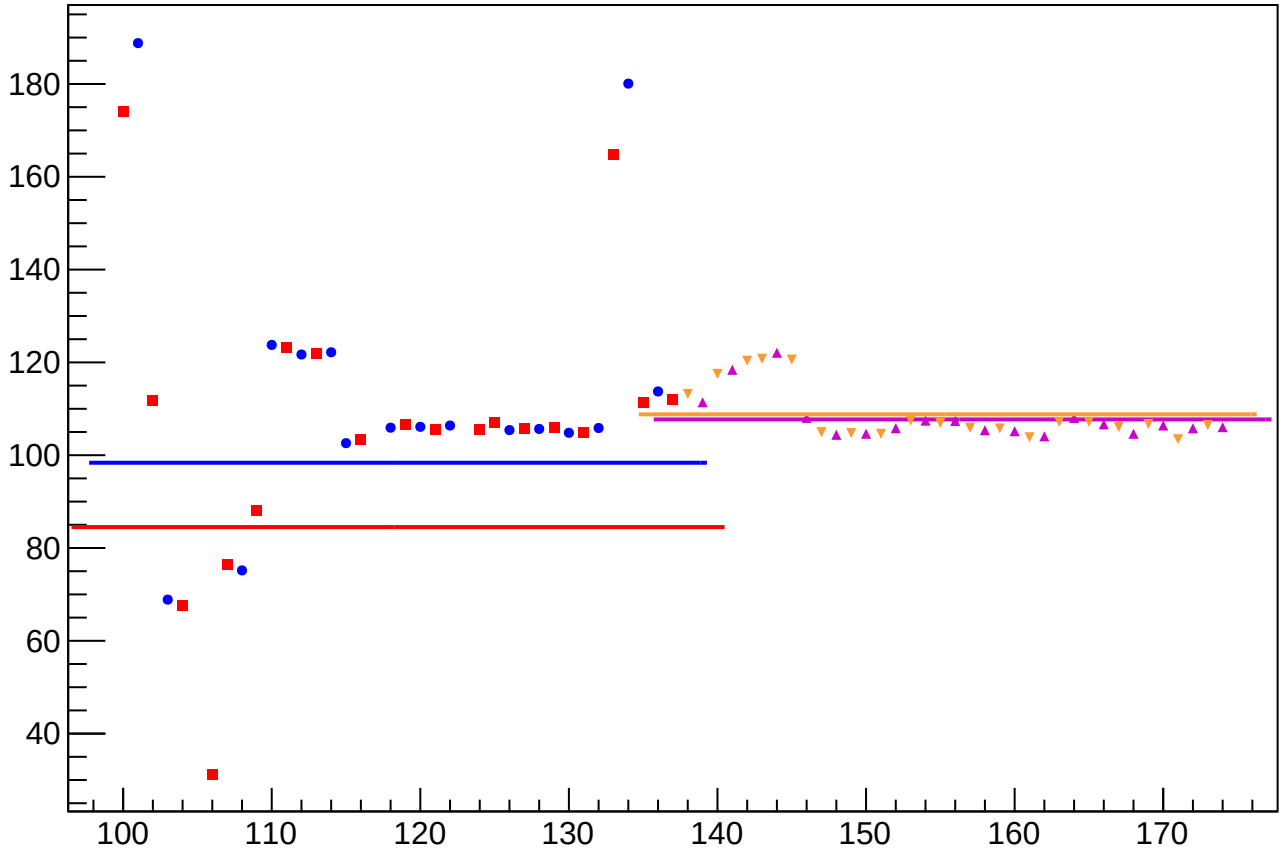
Left In: -54.504+/-0.795 χ^2/NDF:353.3/17

+ sign -57.011+/-0.662 χ^2/NDF: 1003.8/34

All: -56.520+/-0.467 χ^2/NDF: 2164.9/71

- 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: 108.804+/-0.037 χ^2/NDF:24343.3/18

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

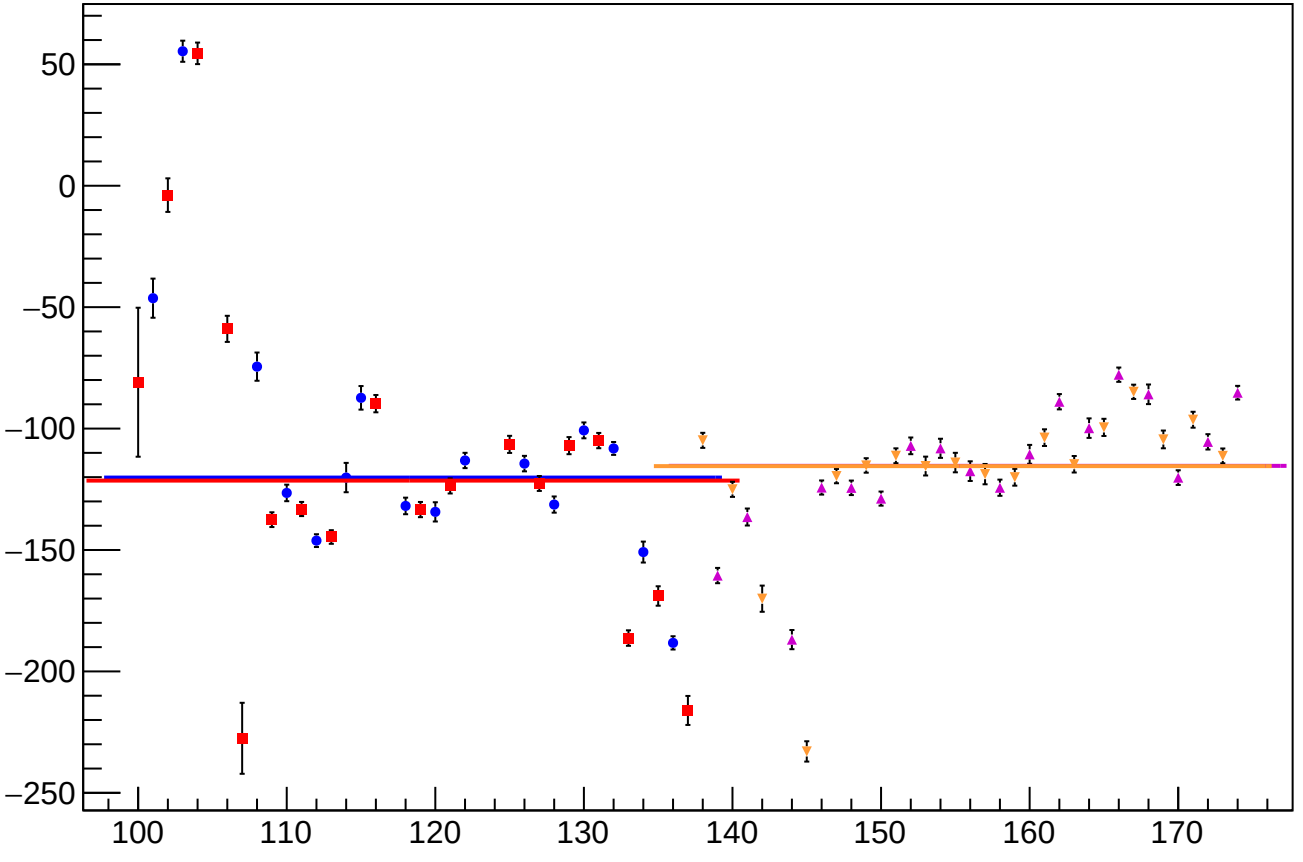
Left In: 107.709+/-0.036 χ^2/NDF:15769.9/17

+ sign 106.346+/-0.032 χ^2/NDF: 271816.6/34

All: 103.887+/-0.022 χ^2/NDF: 675502.7/71

- sign 101.553+/-0.031 χ^2/NDF: 392218.7/36

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -115.463+/-0.805 χ^2/NDF:1102.6/17

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

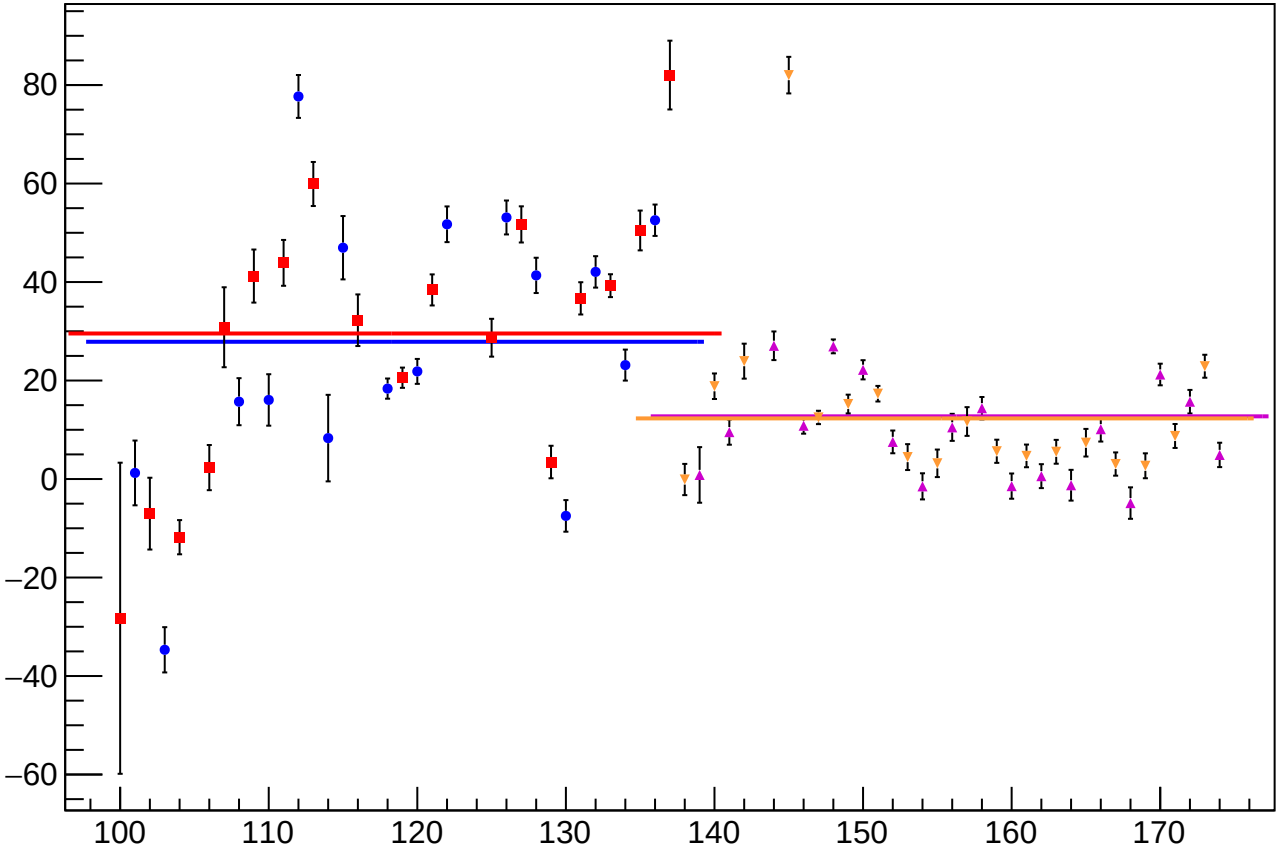
Left In: -115.350+/-0.782 χ^2/NDF:1055.3/17

+ sign -117.582+/-0.597 χ^2/NDF: 3809.2/33

All: -117.818+/-0.417 χ^2/NDF: 8017.9/69

- 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: 12.311+/-0.545 χ^2/NDF:499.2/17

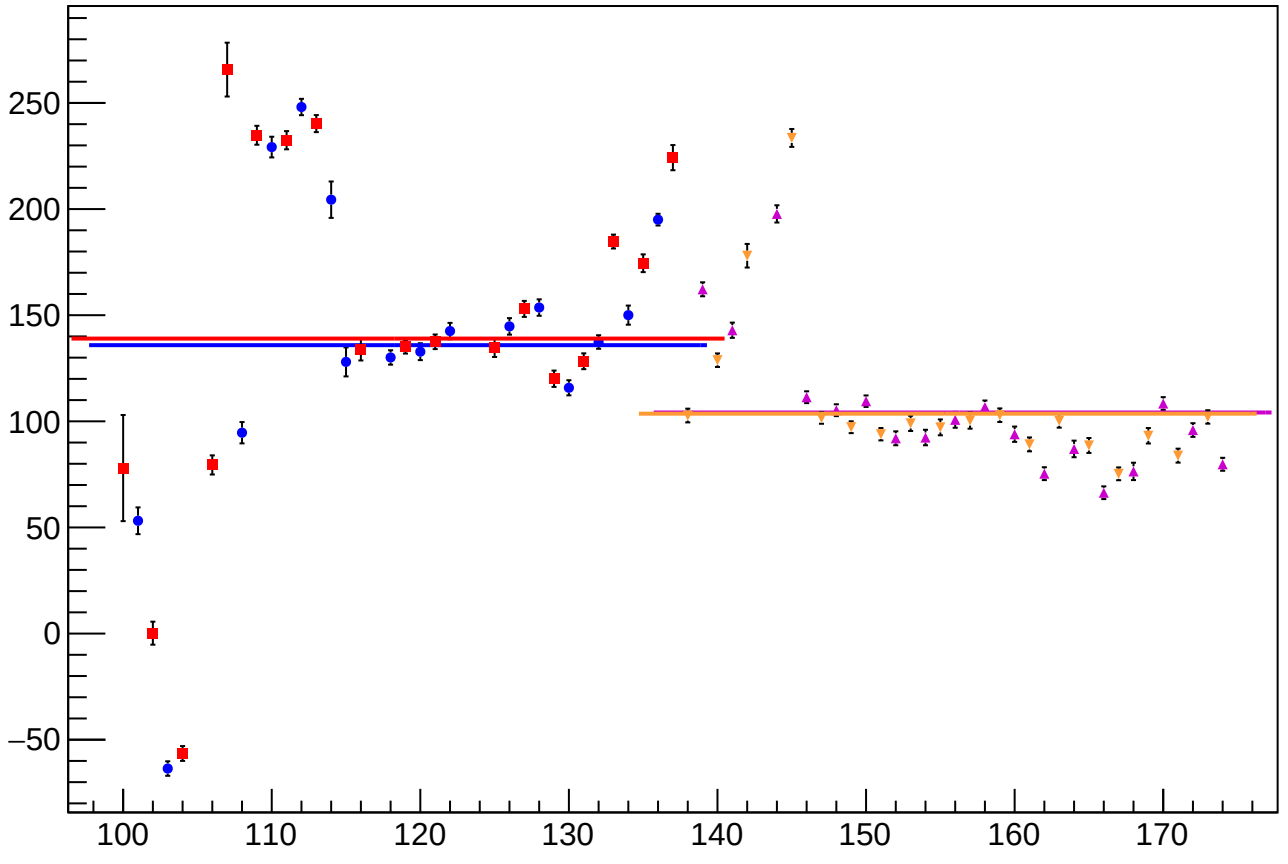
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.731+/-0.548 χ^2/NDF:325.3/17

+ sign 16.570+/-0.465 χ^2/NDF: 1421.7/33

All: 16.962+/-0.329 χ^2/NDF: 2505.1/69

- 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: 103.603+/-0.786 χ^2/NDF:1382.1/17

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

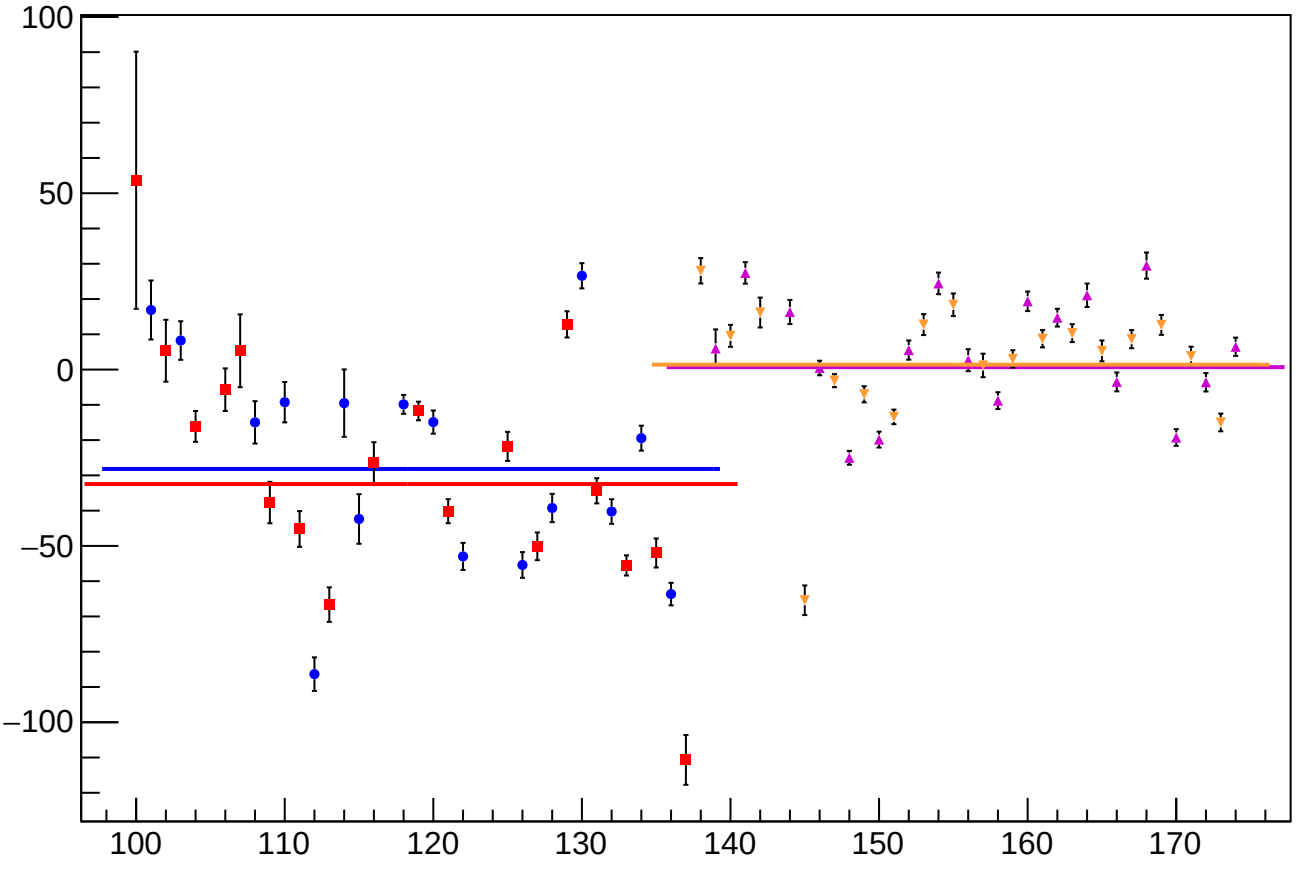
Left In: 104.165+/-0.766 χ^2/NDF:1388.9/17

\+ sign 115.952+/-0.618 χ^2/NDF: 7491.0/33

All: 116.522+/-0.433 χ^2/NDF: 15803.6/69

\- 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: 1.393+/-0.634 χ^2/NDF:531.2/17

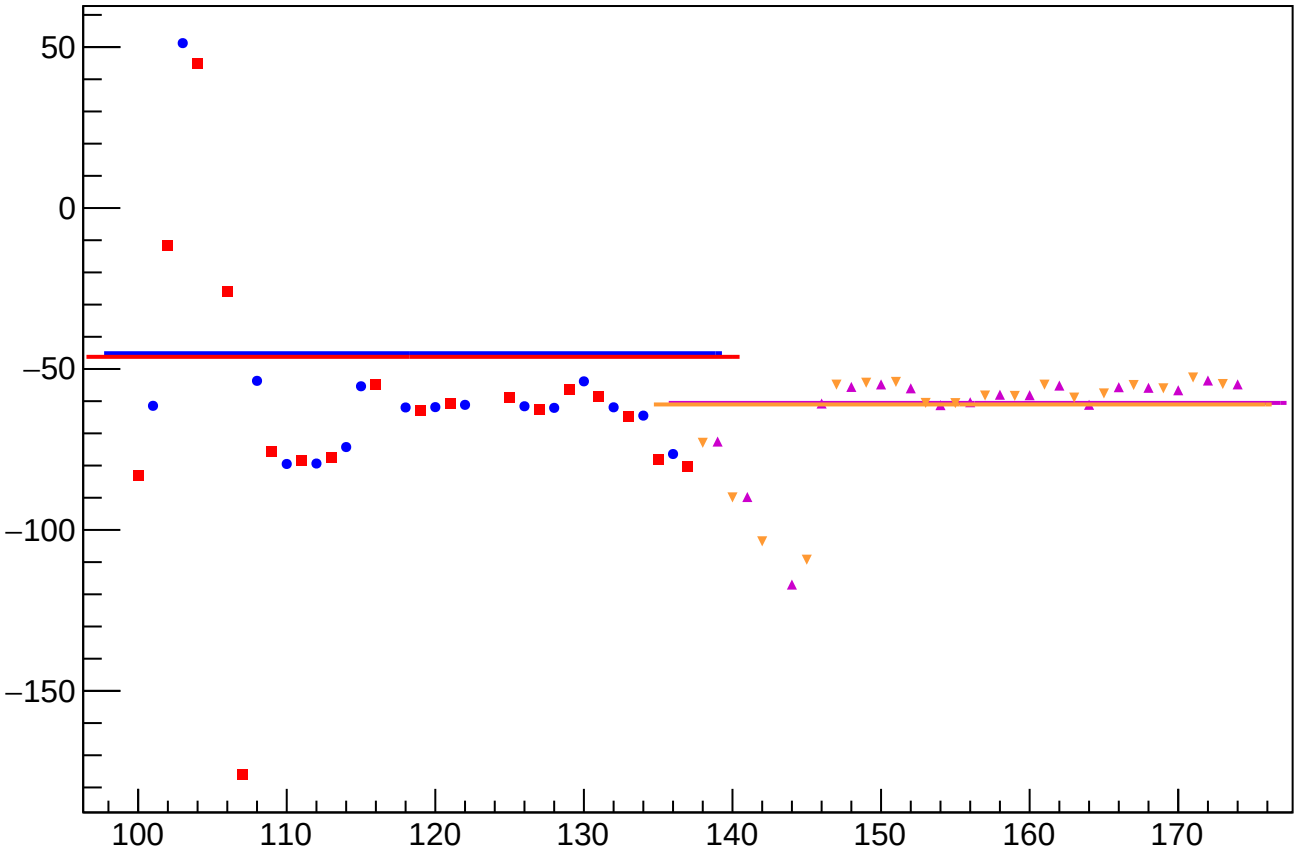
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 0.695+/-0.633 χ^2/NDF:688.2/17

+ sign -6.831+/-0.539 χ^2/NDF: 1926.4/33

All: -7.626+/-0.381 χ^2/NDF: 3954.9/69

- 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: -61.019+/-0.029 χ^2/NDF:196394.6/17

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

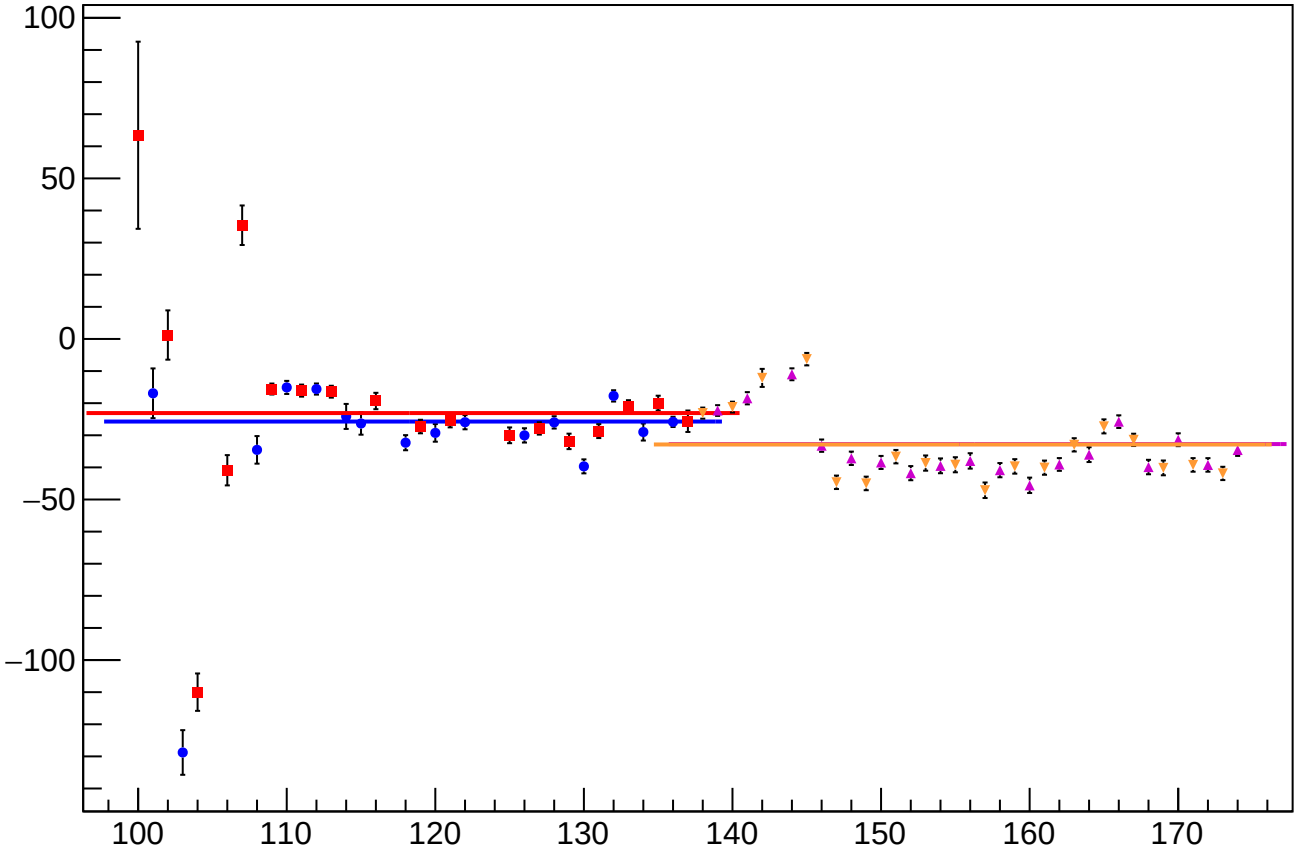
Left In: -60.542+/-0.028 χ^2/NDF:165972.9/17

+ sign -57.967+/-0.026 χ^2/NDF: 828179.0/33

All: -58.033+/-0.018 χ^2/NDF: 1531146.9/69

- sign -58.097+/-0.026 χ^2/NDF: 702955.6/35

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -32.861+/-0.497 χ^2/NDF:502.4/17

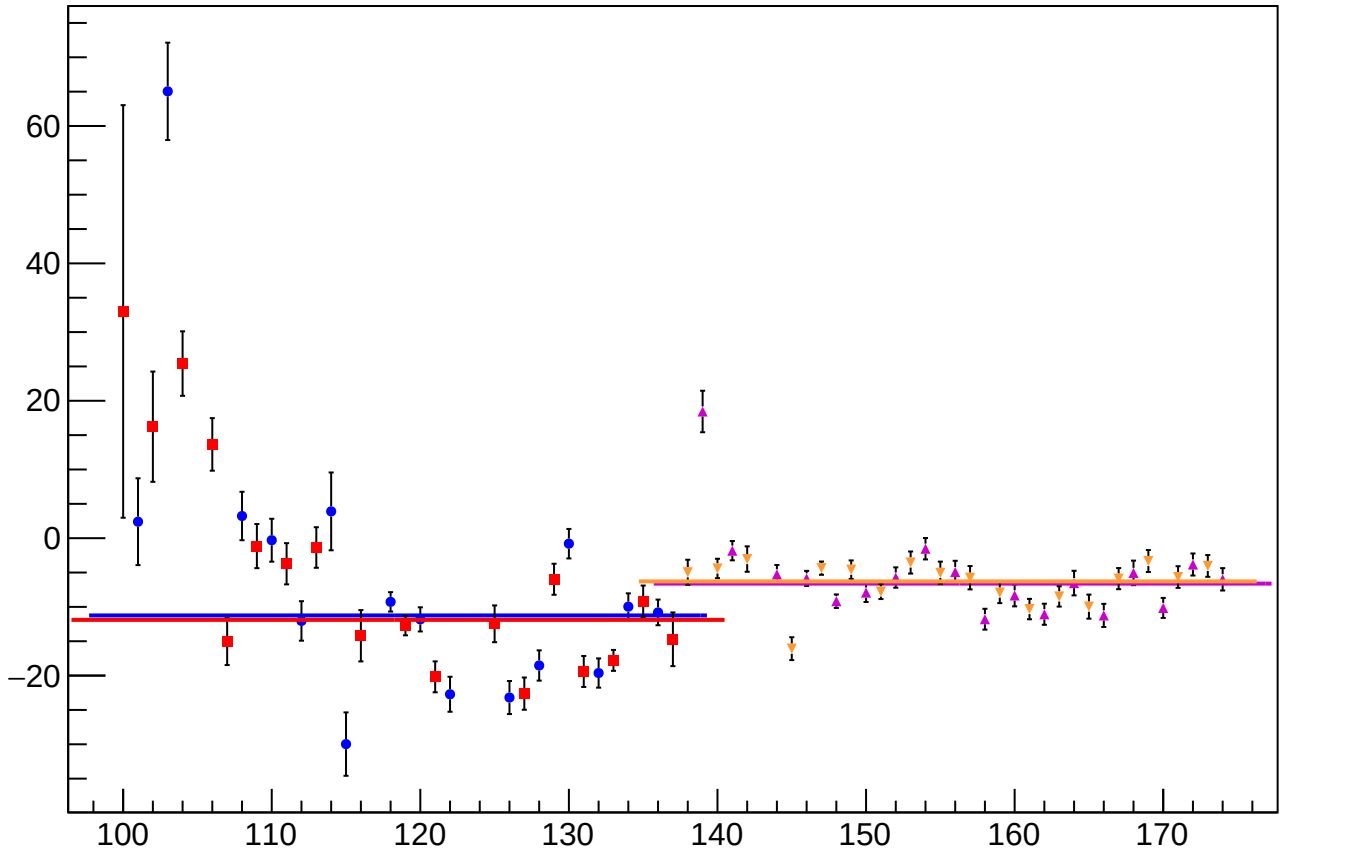
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.737+/-0.484 χ^2/NDF:362.5/17

\+ sign -29.899+/-0.380 χ^2/NDF: 951.0/33

All: -29.332+/-0.266 χ^2/NDF: 1917.9/69

\- 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: -6.291+/-0.347 χ^2/NDF:71.8/17

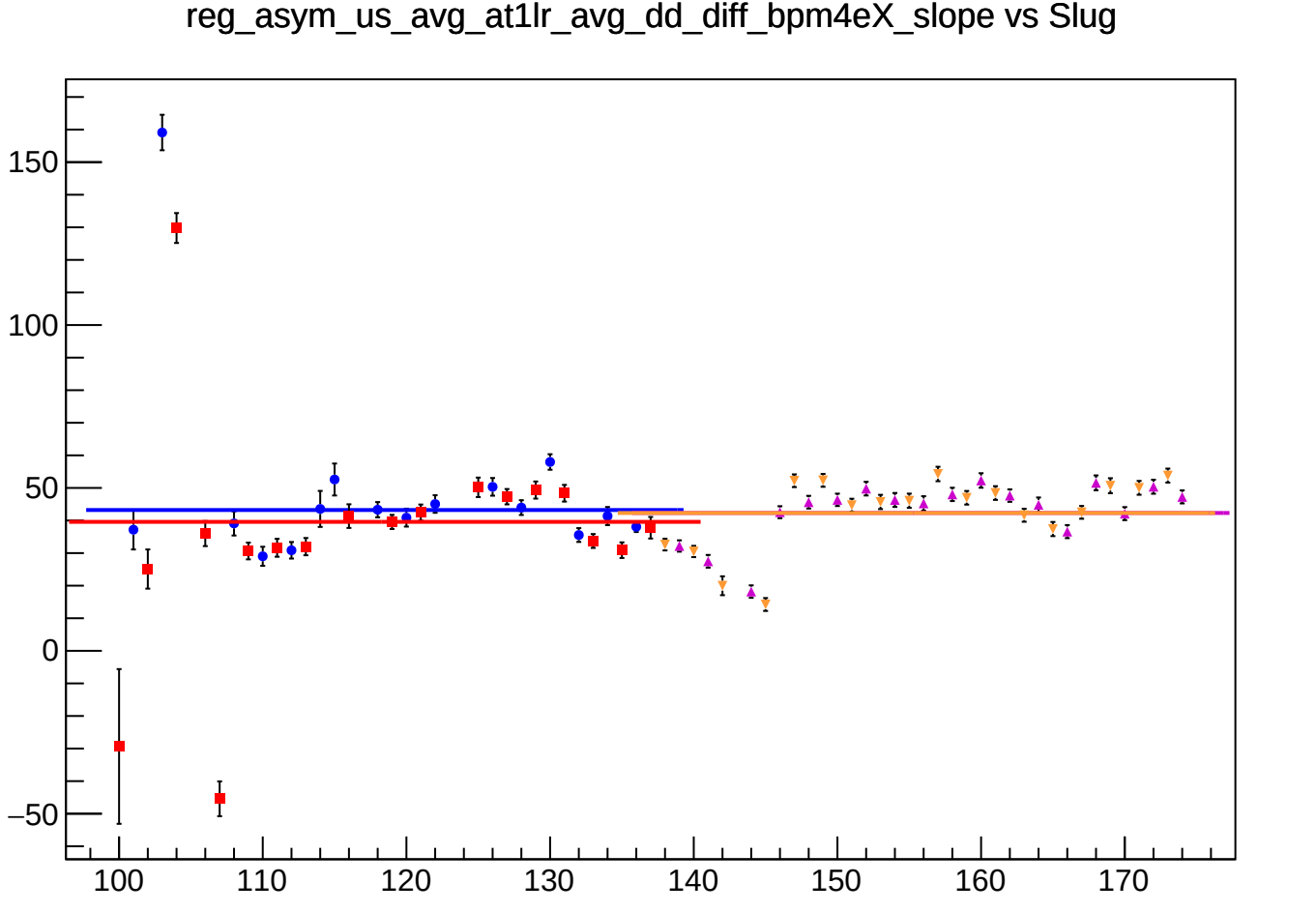
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.611+/-0.348 χ^2/NDF:140.4/17

\+ sign -7.533+/-0.300 χ^2/NDF: 394.0/33

All: -7.724+/-0.213 χ^2/NDF: 816.6/69

\- 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: 42.305+/-0.488 χ^2/NDF:496.9/17

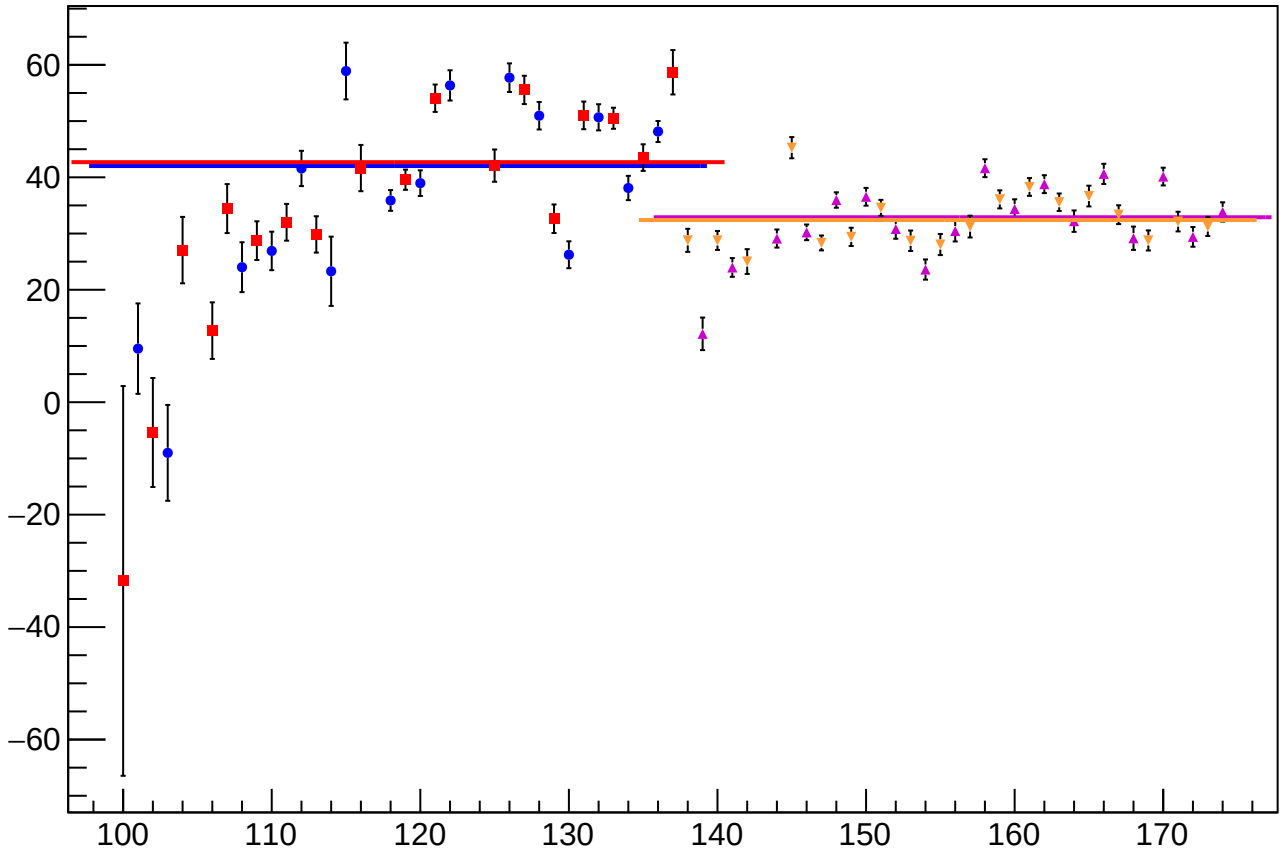
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 42.317+/-0.476 χ^2/NDF:357.1/17

\+ sign 42.617+/-0.396 χ^2/NDF: 1074.1/33

All: 42.015+/-0.278 χ^2/NDF: 2200.5/69

\- sign 41.428+/-0.391 χ^2/NDF: 1121.8/35



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.400+/-0.401 χ^2/NDF:124.2/17

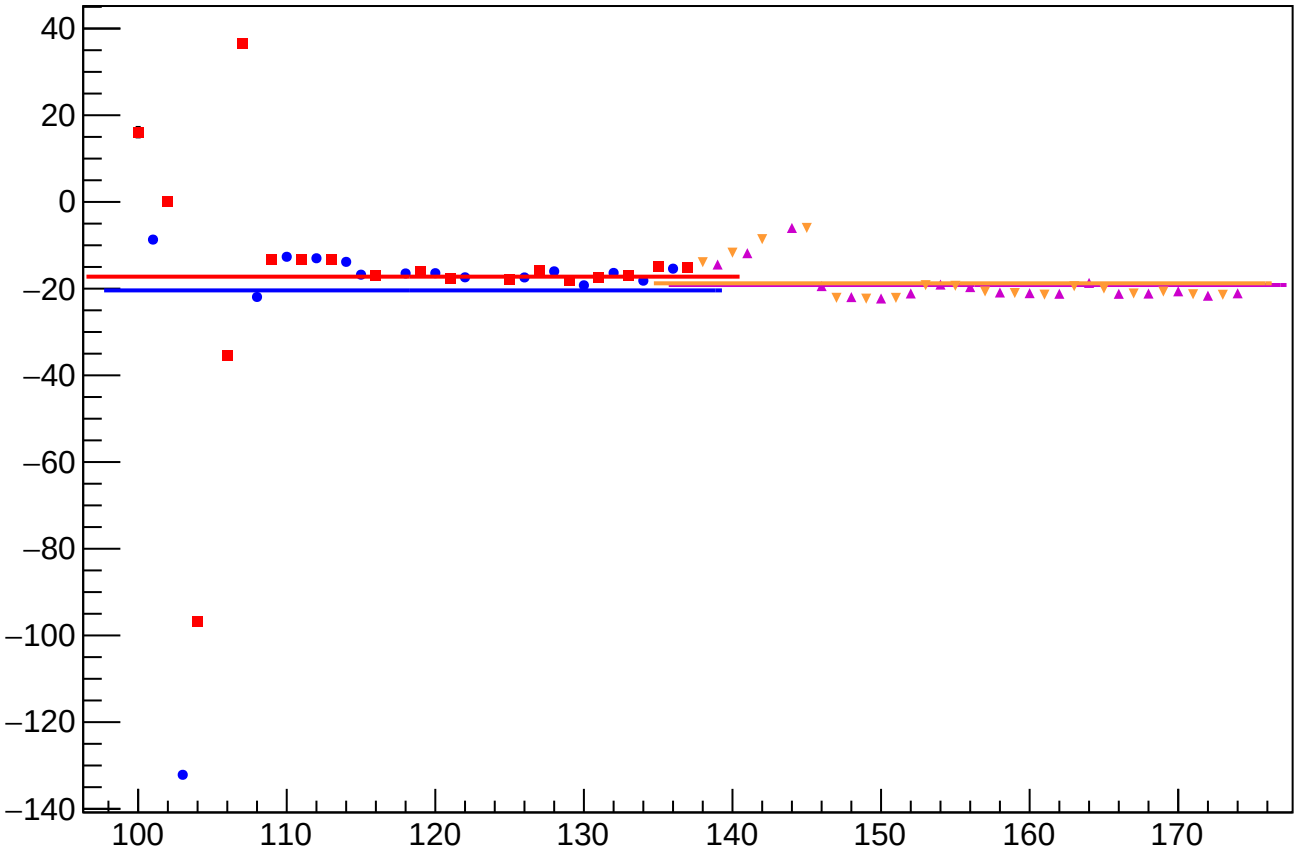
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 32.894+/-0.400 χ^2/NDF:221.4/17

+ sign 34.859+/-0.346 χ^2/NDF: 543.7/33

All: 35.094+/-0.245 χ^2/NDF: 1145.9/69

- sign 35.330+/-0.346 χ^2/NDF: 601.3/35



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -18.770+/-0.018 χ^2/NDF:59964.4/17

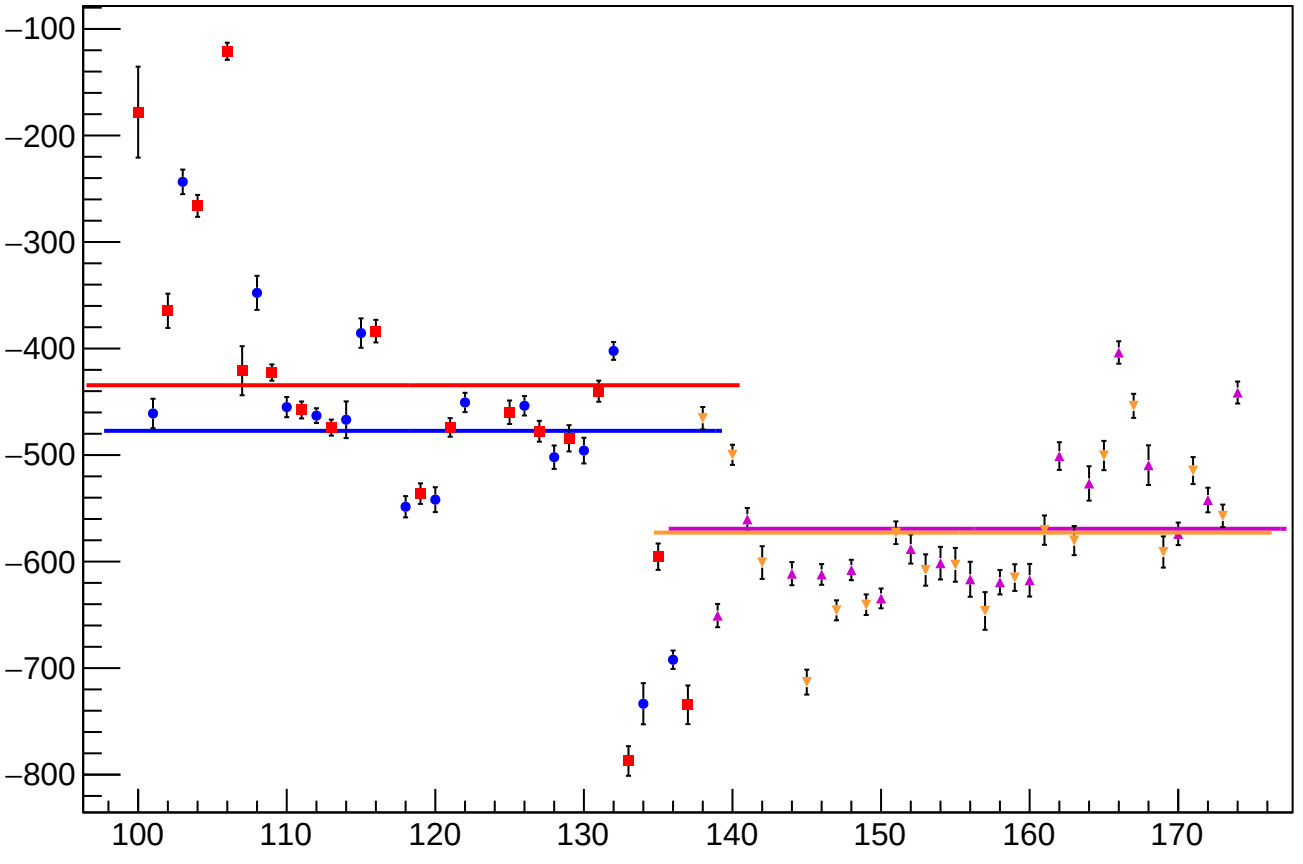
Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -19.162+/-0.018 χ^2/NDF:47150.0/17

+ sign -19.028+/-0.017 χ^2/NDF: 306858.4/33

All: -18.961+/-0.012 χ^2/NDF: 560341.9/69

- sign -18.896+/-0.016 χ^2/NDF: 253451.7/35



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -572.782+/-2.835 χ^2/NDF:622.3/17

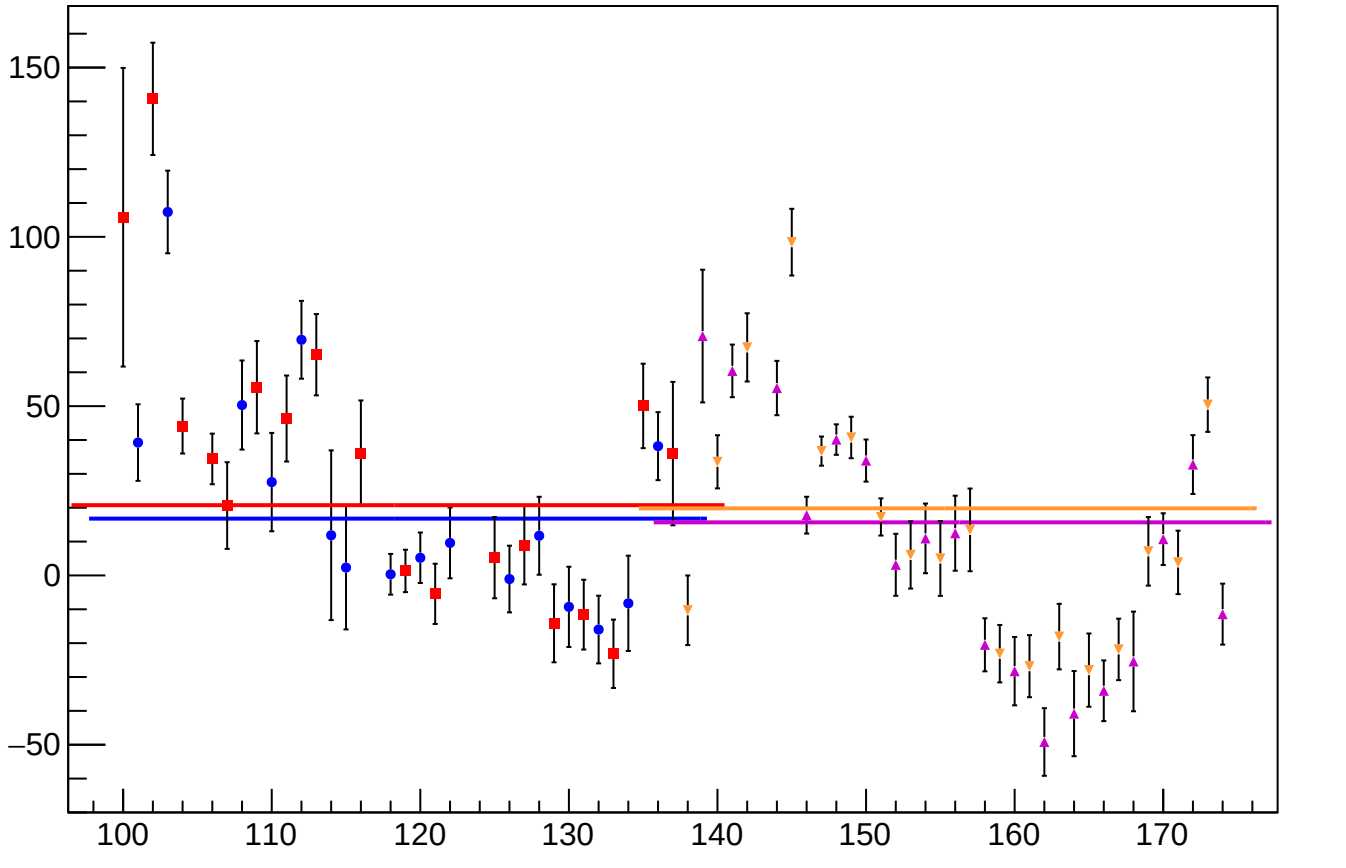
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -569.182+/-2.759 χ^2/NDF:652.2/17

+ sign -521.495+/-1.929 χ^2/NDF: 2742.7/33

All: -507.195+/-1.331 χ^2/NDF: 7988.6/69

- 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: 19.807+/-1.895 χ^2/NDF:255.1/17

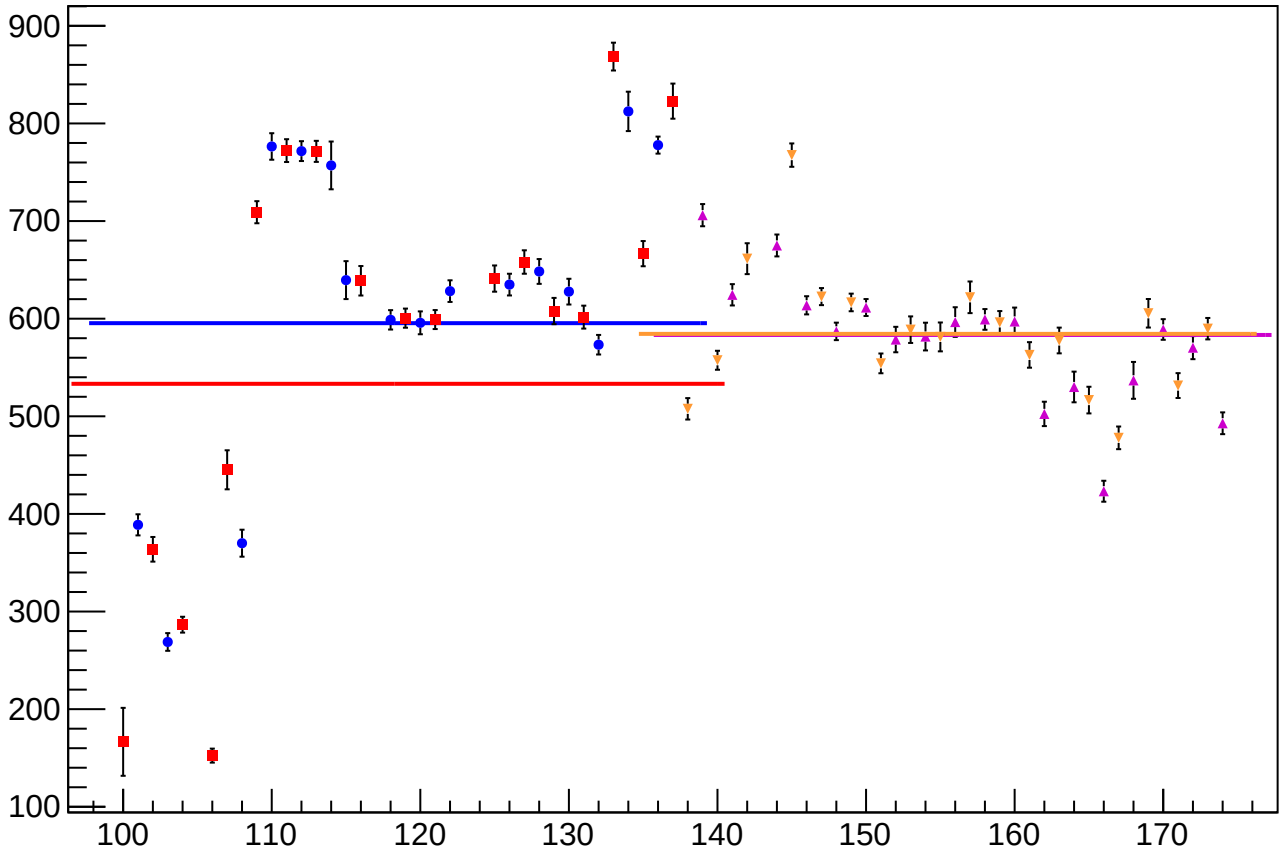
Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 15.676+/-1.905 χ^2/NDF:260.4/17

\+ sign 18.785+/-1.542 χ^2/NDF: 380.9/33

All: 18.133+/-1.085 χ^2/NDF: 802.2/69

\- 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: 584.437+/-2.776 χ^2/NDF:493.5/17

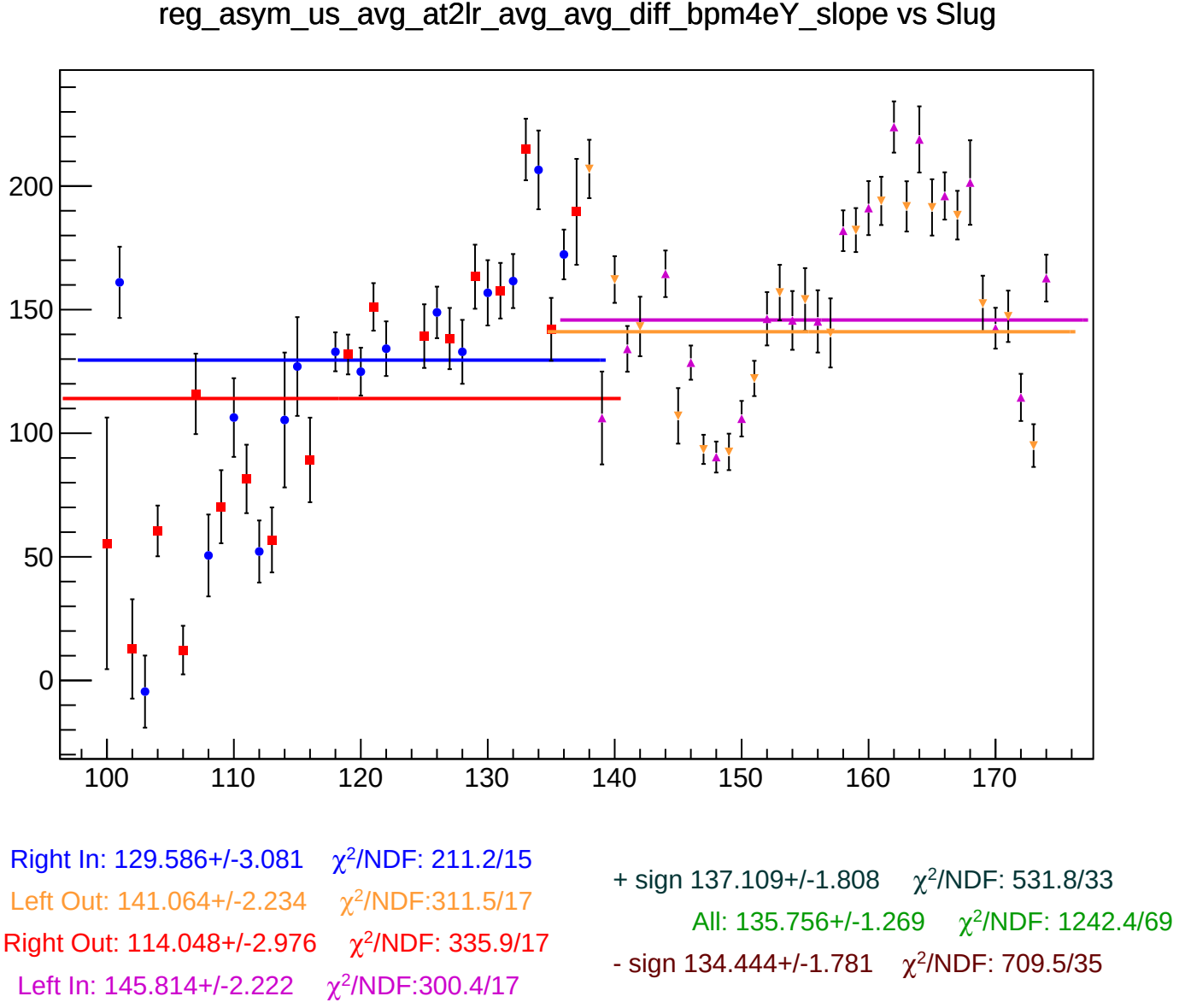
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

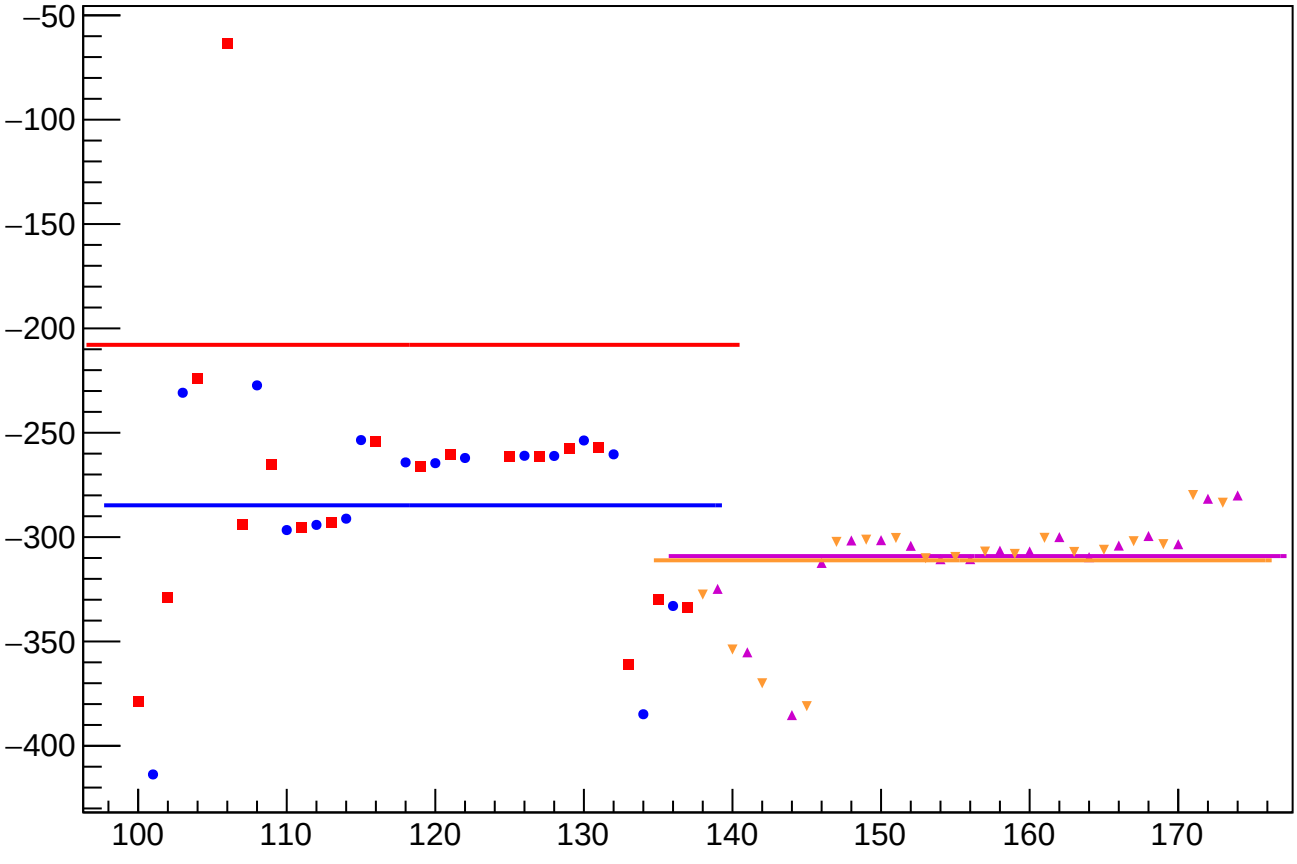
Left In: 583.325+/-2.707 χ^2/NDF:572.3/17

+ sign 589.626+/-2.015 χ^2/NDF: 3560.6/33

All: 573.461+/-1.393 χ^2/NDF: 10927.5/69

- sign 558.666+/-1.928 χ^2/NDF: 7243.6/35


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug
200
150
100
50
0
100
110
120
130
140
150
160
170
Right In: 129.586+/-3.081 χ2/NDF: 211.2/15
Left Out: 141.064+/-2.234 χ2/NDF:311.5/17
Right Out: 114.048+/-2.976 χ2/NDF: 335.9/17
Left In: 145.814+/-2.222 χ2/NDF:300.4/17
+ sign 137.109+/-1.808 χ2/NDF: 531.8/33
All: 135.756+/-1.269 χ2/NDF: 1242.4/69
- sign 134.444+/-1.781 χ2/NDF: 709.5/35



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -311.115+/-0.106 χ^2/NDF:54874.9/17

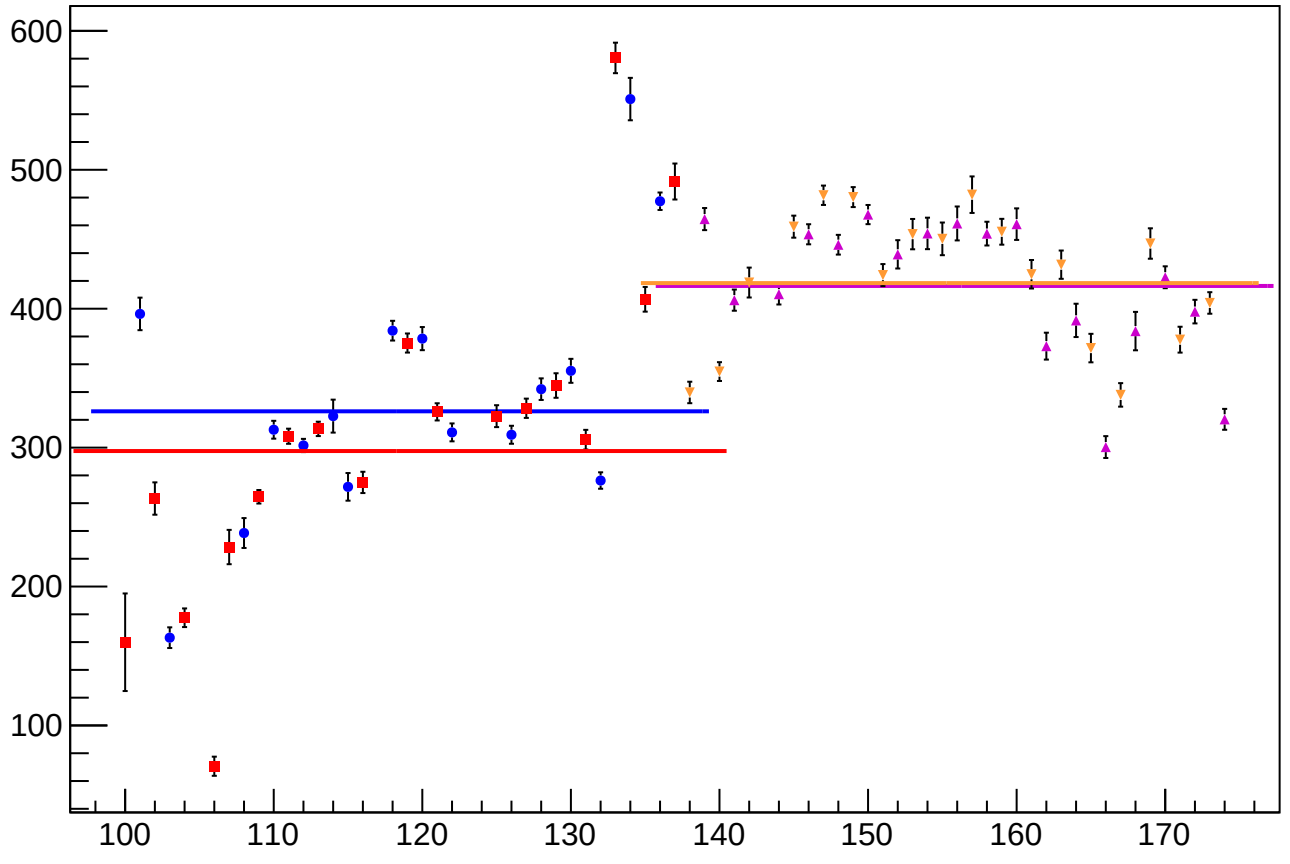
Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -309.090+/-0.102 χ^2/NDF:47310.0/17

+ sign -304.236+/-0.091 χ^2/NDF: 175519.8/33

All: -289.483+/-0.062 χ^2/NDF: 1123683.4/69

- sign -276.822+/-0.084 χ^2/NDF: 899023.2/35



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 418.435+/-2.081 χ^2/NDF:575.1/17

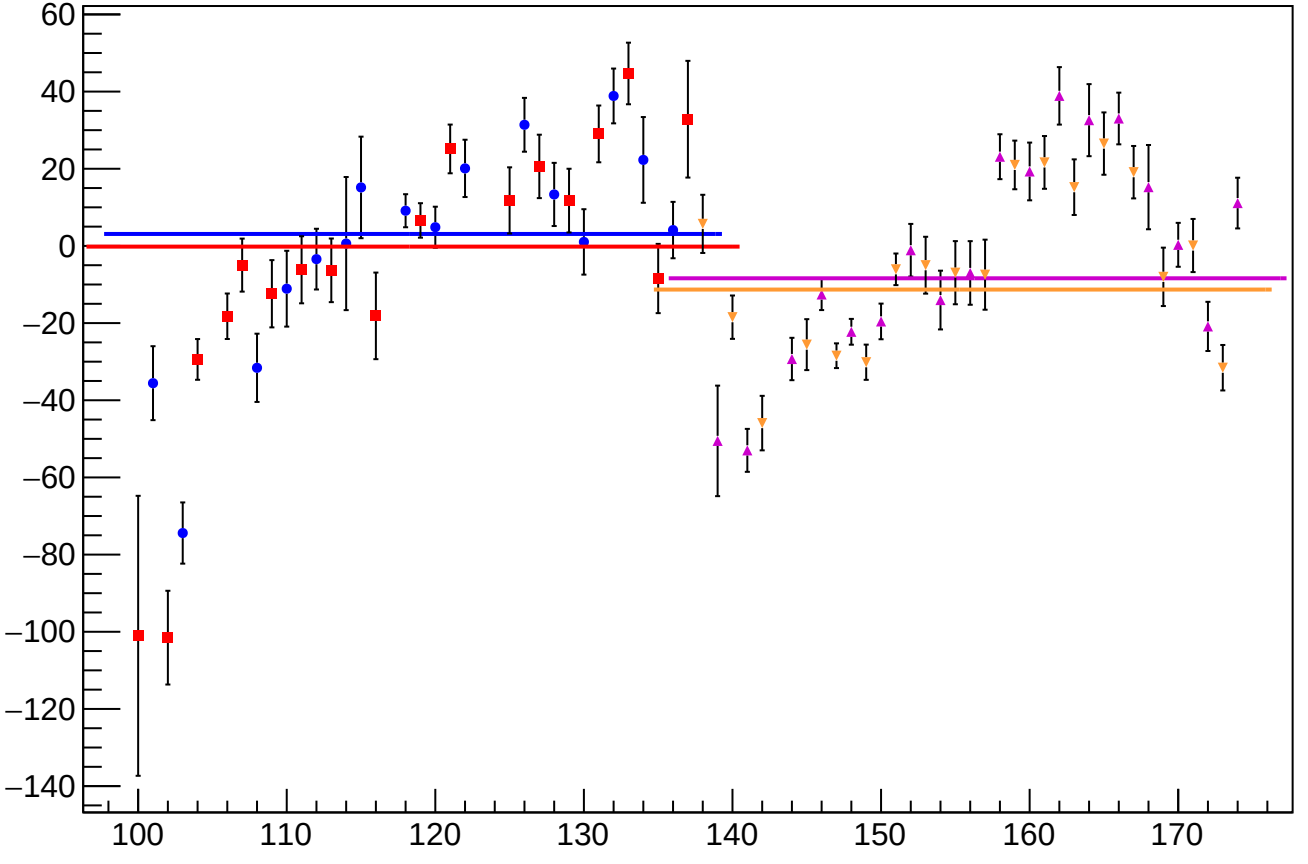
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 416.379+/-2.028 χ^2/NDF:618.4/17

+ sign 367.051+/-1.385 χ^2/NDF: 3313.5/33

All: 356.927+/-0.955 χ^2/NDF: 8792.8/69

- 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: -11.309+/-1.396 χ^2/NDF:203.7/17

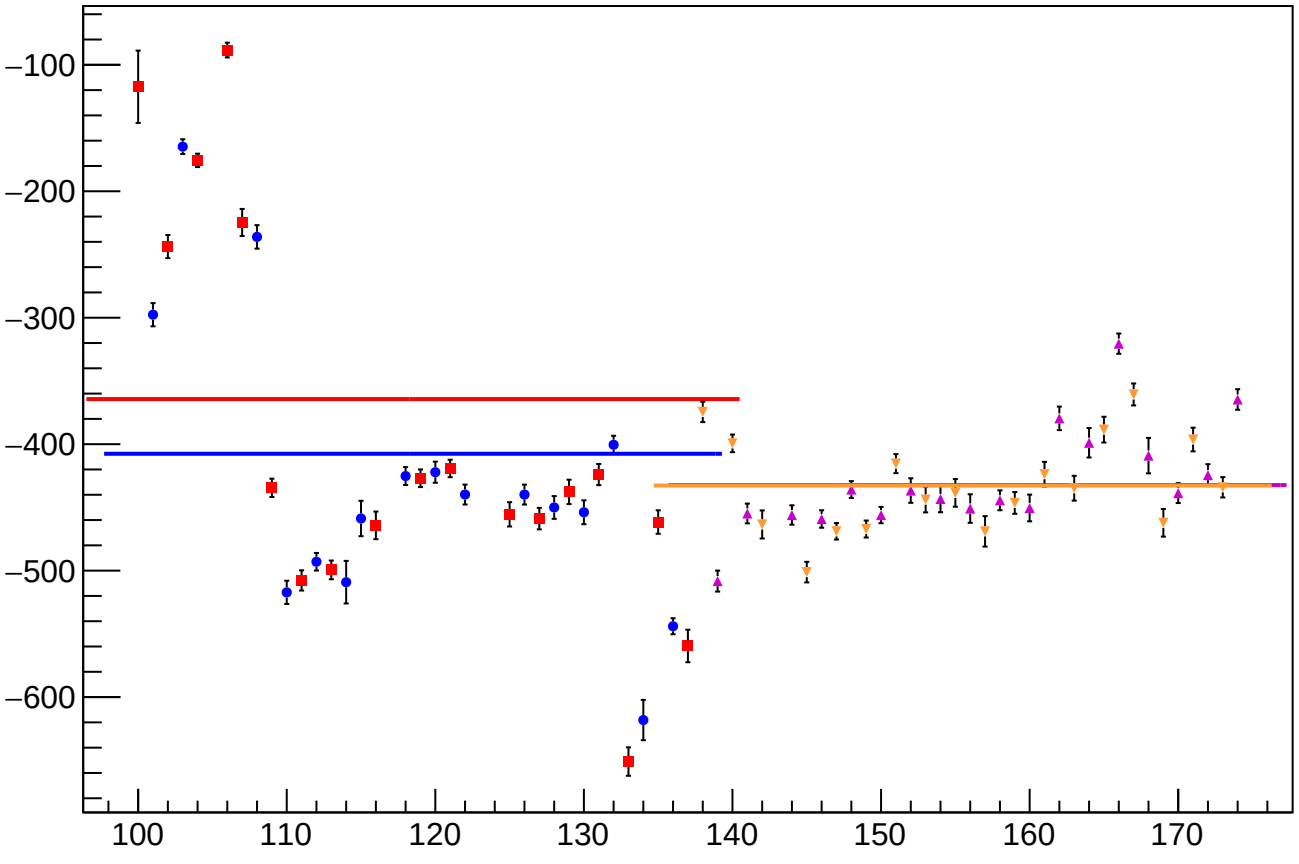
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -8.390+/-1.404 χ^2/NDF:273.6/17

\+ sign -6.229+/-1.124 χ^2/NDF: 425.8/33

All: -5.739+/-0.788 χ^2/NDF: 918.0/69

\- 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: -432.723+/-2.040 χ^2/NDF:340.3/17

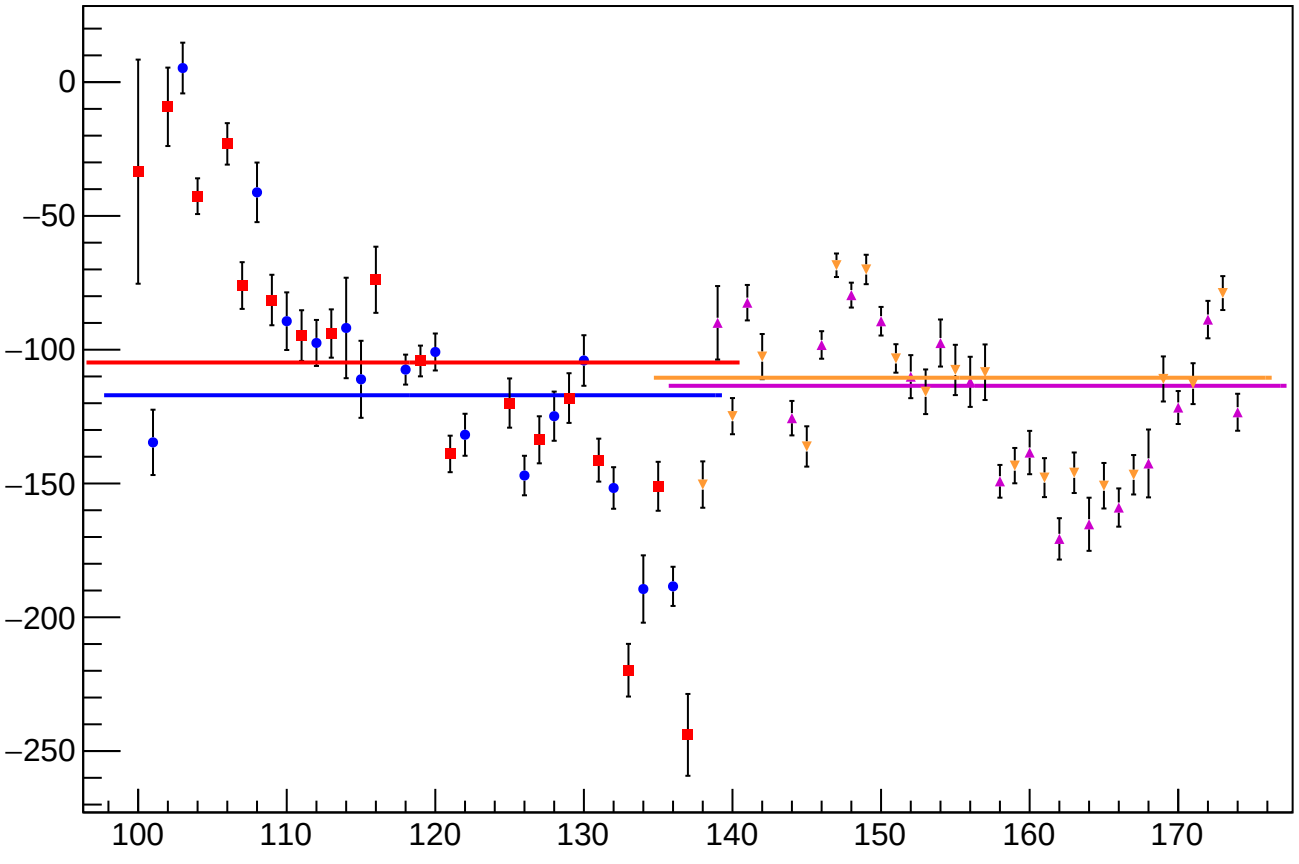
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -432.324+/-1.991 χ^2/NDF:447.9/17

+ sign -420.355+/-1.454 χ^2/NDF: 3695.6/33

All: -408.403+/-1.005 χ^2/NDF: 11090.7/69

- 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: -110.475+/-1.645 χ^2/NDF:331.0/17

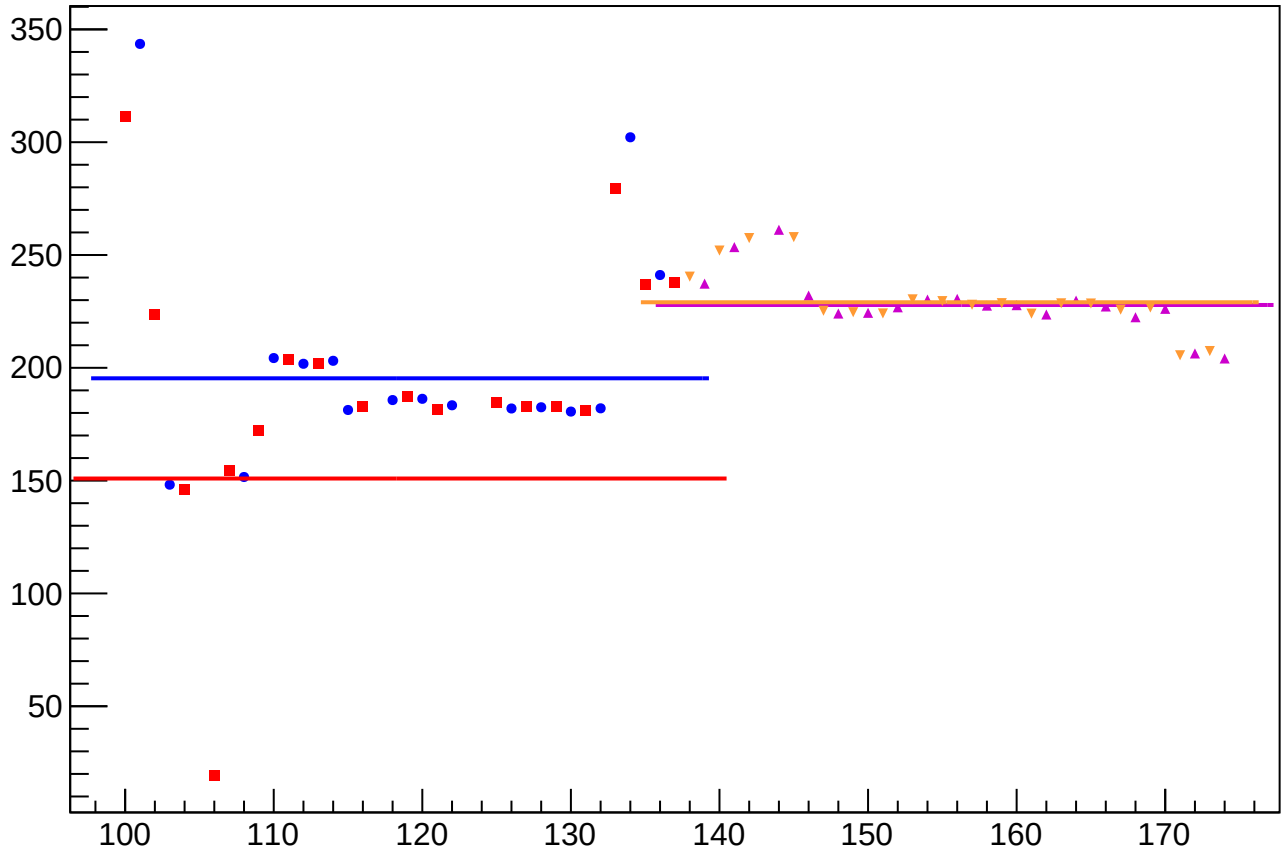
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -113.490+/-1.637 χ^2/NDF:301.6/17

+ sign -112.830+/-1.316 χ^2/NDF: 744.5/33

All: -111.477+/-0.921 χ^2/NDF: 1634.0/69

- 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: 229.058+/-0.078 χ^2/NDF:31045.2/17

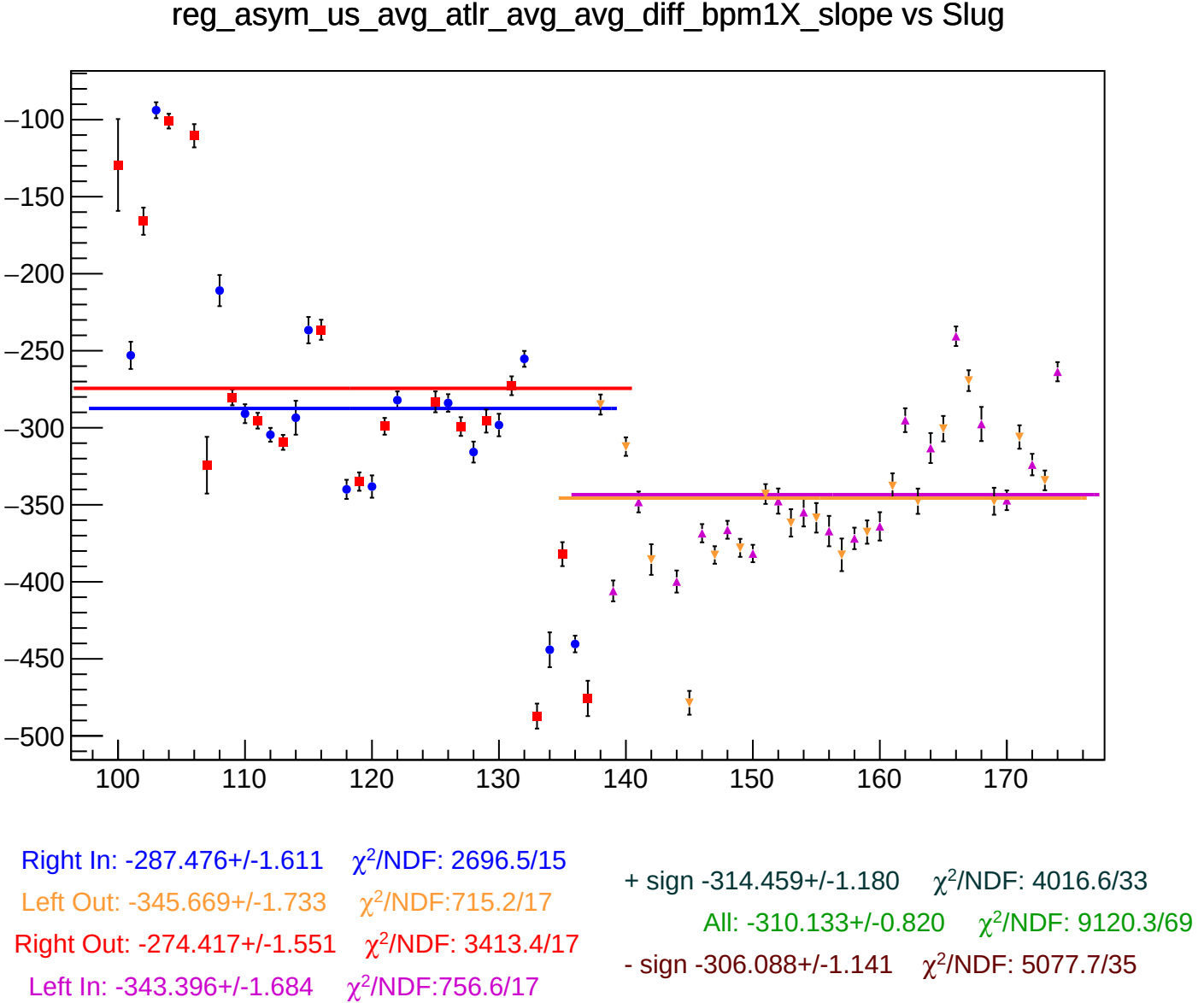
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 227.850+/-0.075 χ^2/NDF:30000.6/17

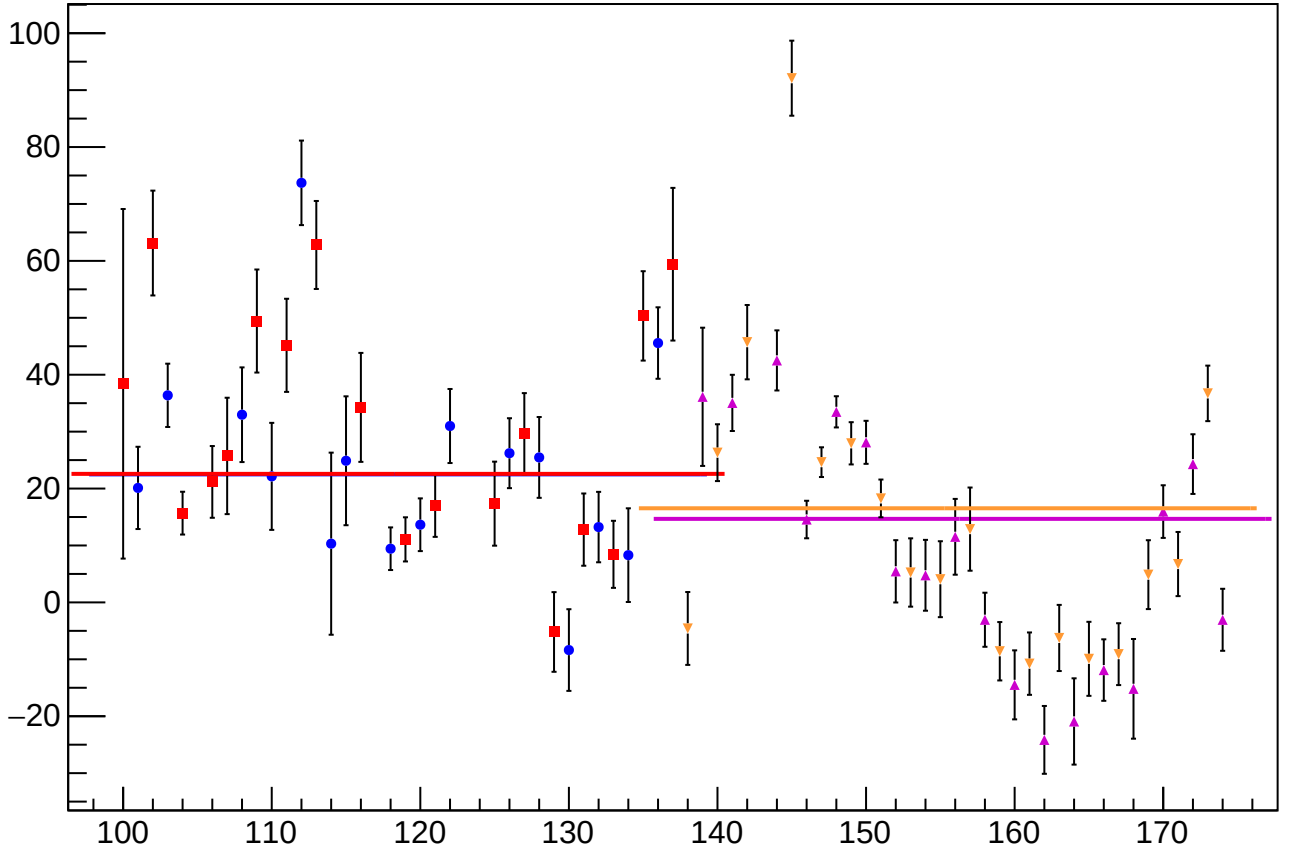
+ sign 219.629+/-0.066 χ^2/NDF: 260706.6/33

All: 211.062+/-0.045 χ^2/NDF: 1154796.2/69

- sign 203.480+/-0.062 χ^2/NDF: 862250.4/35


reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug
−100
−150
−200
−250
−300
−350
−400
−450
−500
100
110
120
130
140
150
160
170
Right In: -287.476+/-1.611 χ²/NDF: 2696.5/15
Left Out: -345.669+/-1.733 χ²/NDF:715.2/17
Right Out: -274.417+/-1.551 χ²/NDF: 3413.4/17
Left In: -343.396+/-1.684 χ²/NDF:756.6/17
+ sign -314.459+/-1.180 χ²/NDF: 4016.6/33
All: -310.133+/-0.820 χ²/NDF: 9120.3/69
- sign -306.088+/-1.141 χ²/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: 16.536+/-1.155 χ^2/NDF:319.5/17

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

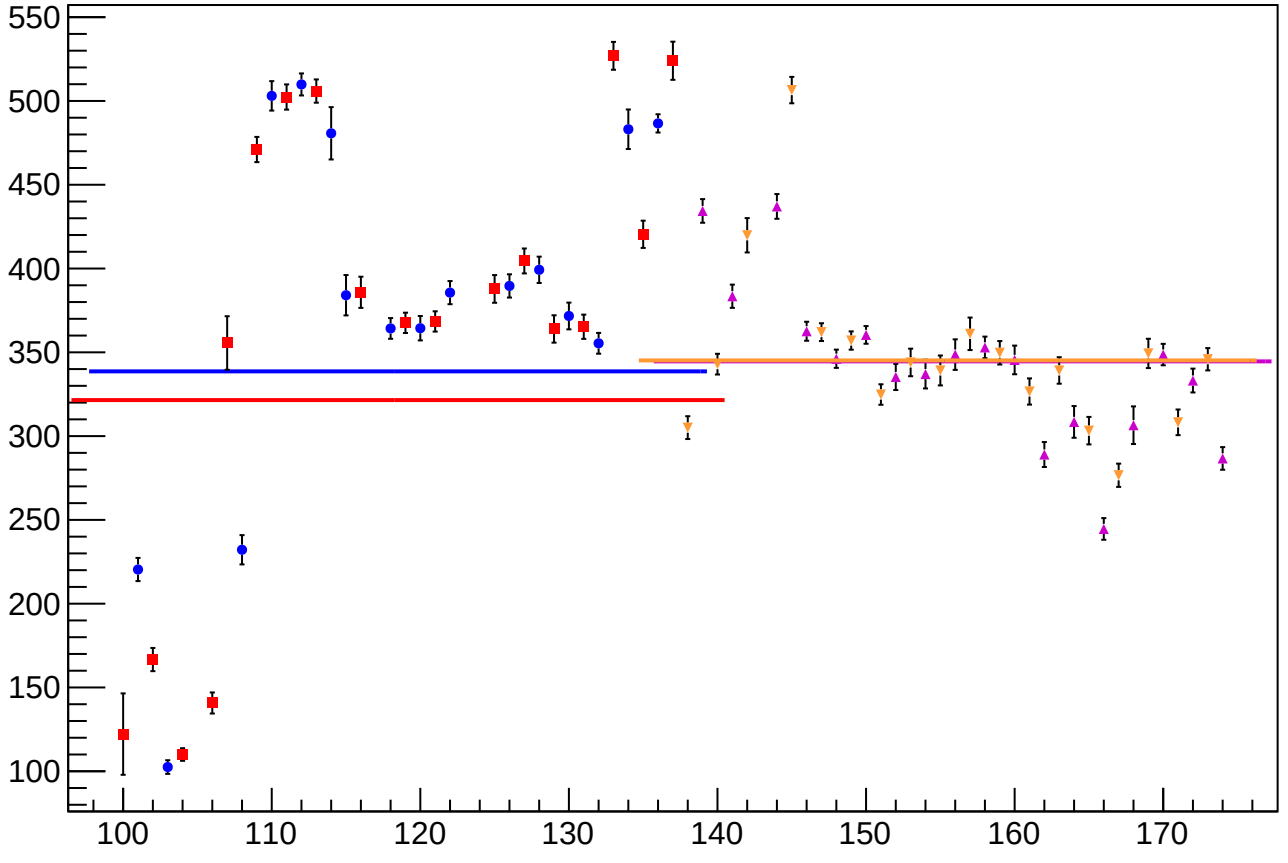
Left In: 14.675+/-1.161 χ^2/NDF:264.7/17

\+ sign 18.542+/-0.941 χ^2/NDF: 439.9/33

All: 18.002+/-0.663 χ^2/NDF: 845.0/69

\- 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: 345.183+/-1.694 χ^2/NDF:690.2/17

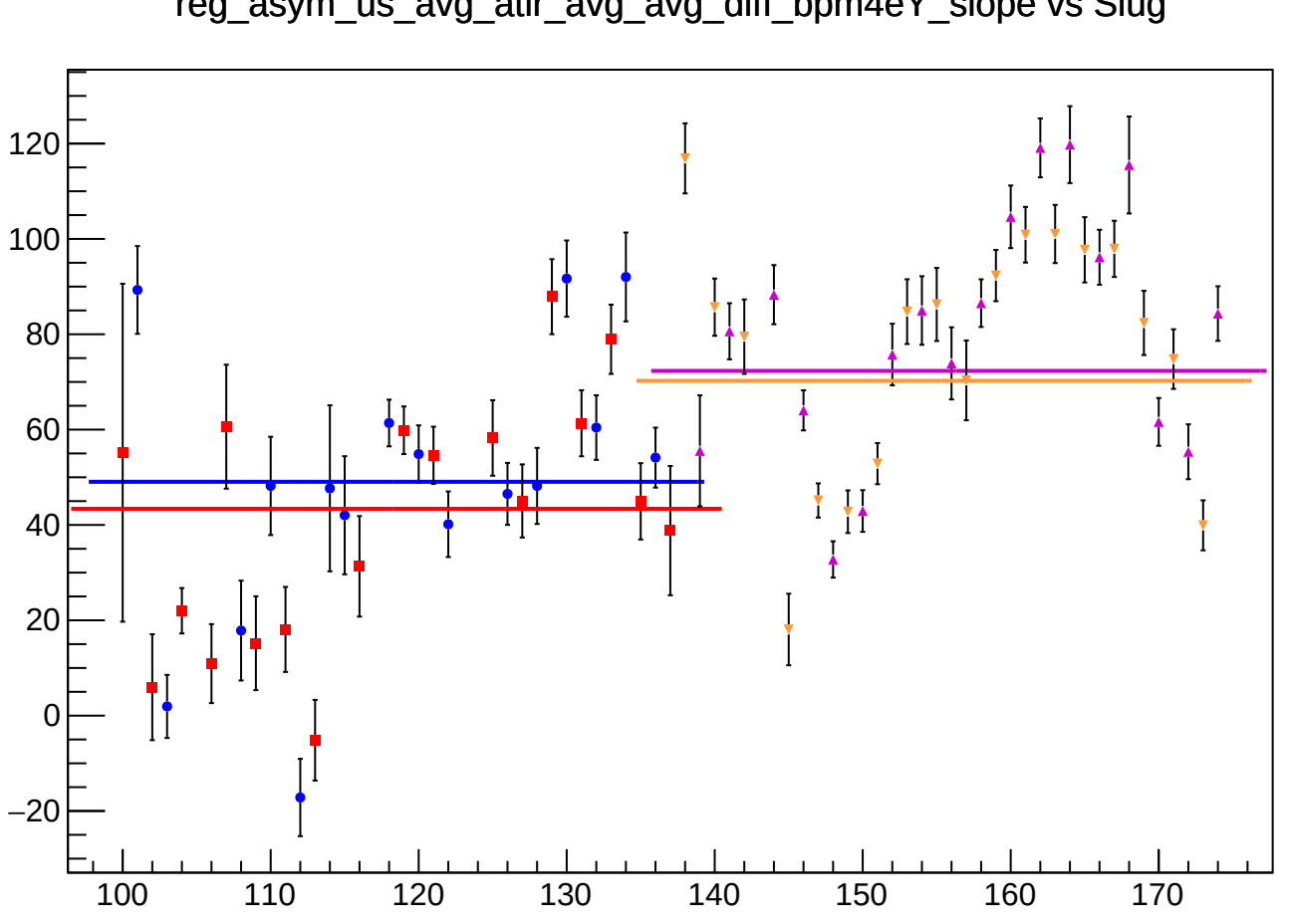
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 344.593+/-1.650 χ^2/NDF:771.1/17

+ sign 342.010+/-1.217 χ^2/NDF: 6740.0/33

All: 337.555+/-0.848 χ^2/NDF: 15353.3/69

- 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: 70.234+/-1.361 χ^2/NDF:353.9/17

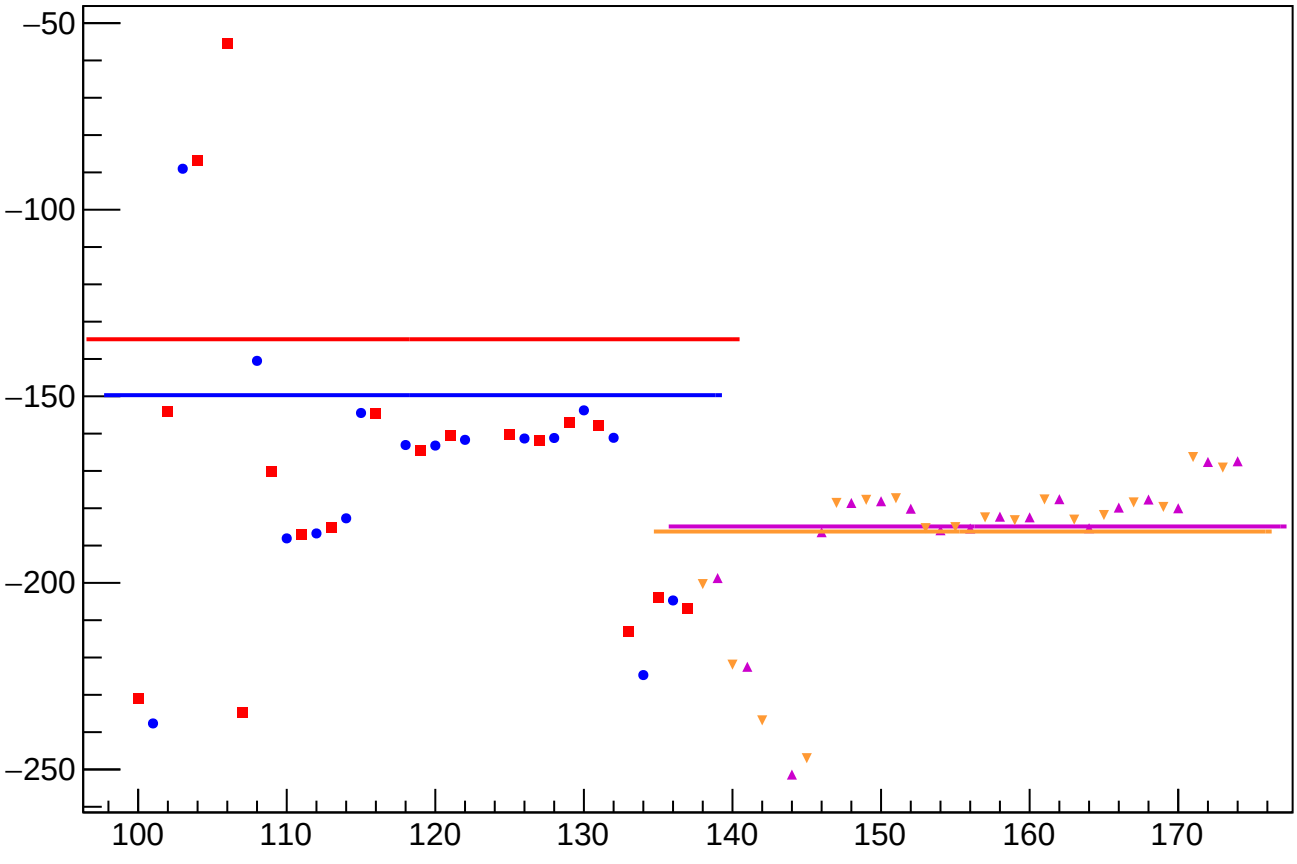
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 72.318+/-1.353 χ^2/NDF:347.8/17

+ sign 62.966+/-1.103 χ^2/NDF: 645.0/33

All: 62.537+/-0.775 χ^2/NDF: 1334.2/69

- 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: -186.238+/-0.064 χ^2/NDF:89902.0/17

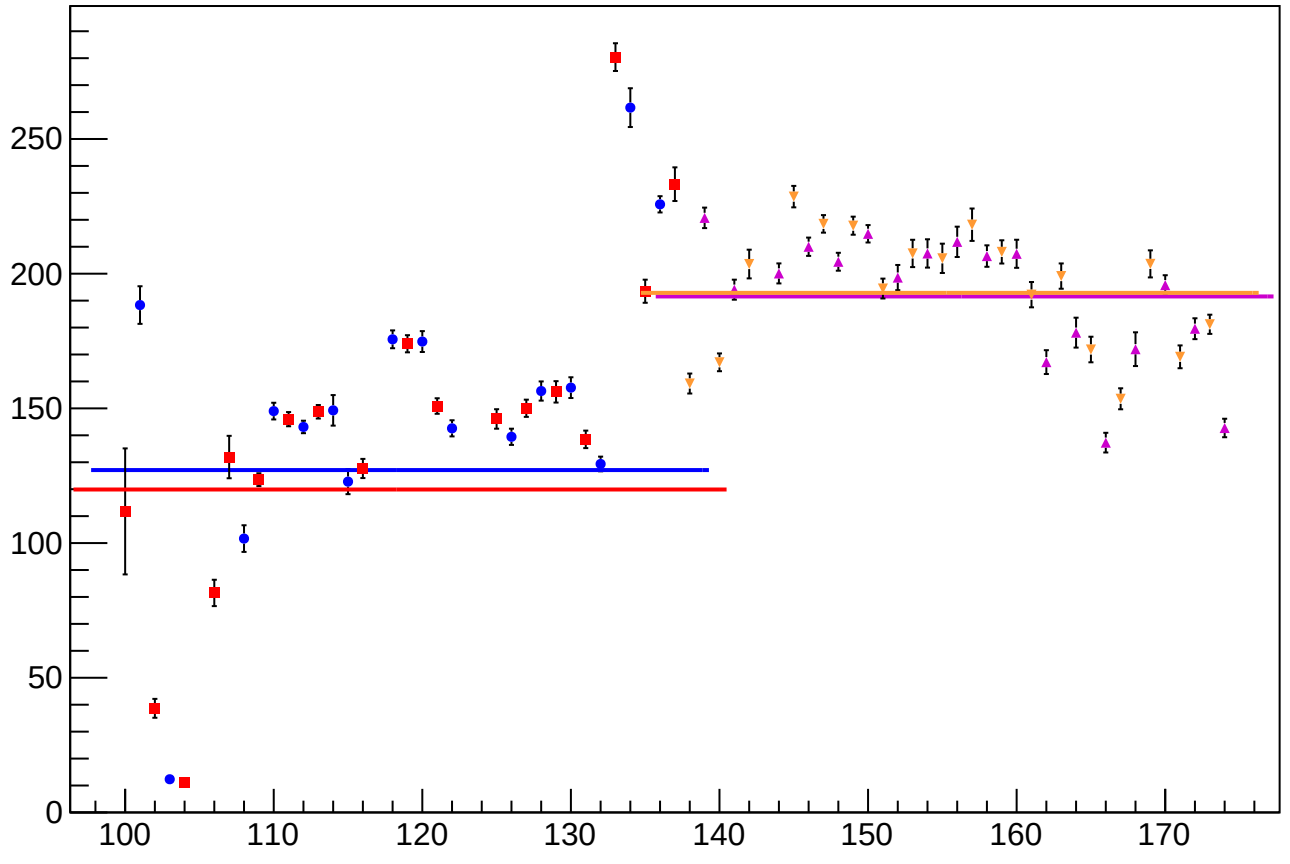
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -184.881+/-0.062 χ^2/NDF:75475.5/17

+ sign -175.686+/-0.054 χ^2/NDF: 439793.1/33

All: -172.917+/-0.038 χ^2/NDF: 1022933.6/69

- 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: 192.880+/-0.977 χ^2/NDF:559.1/17

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

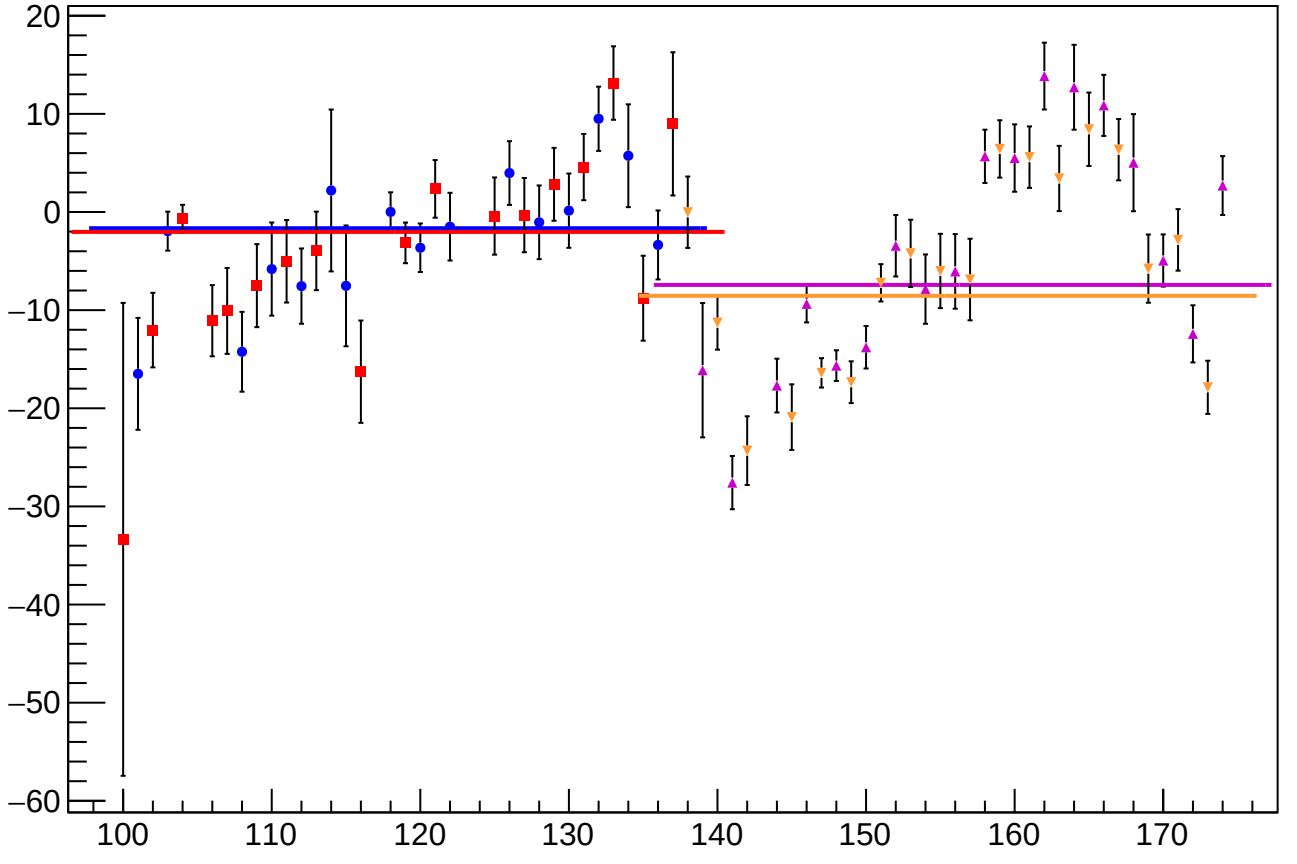
Left In: 191.549+/-0.949 χ^2/NDF:688.8/17

+ sign 153.941+/-0.624 χ^2/NDF: 9408.0/33

All: 151.122+/-0.432 χ^2/NDF: 20208.3/69

- sign 148.514+/-0.600 χ^2/NDF: 10761.1/35

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -8.542+/-0.654 χ^2/NDF:206.3/17

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

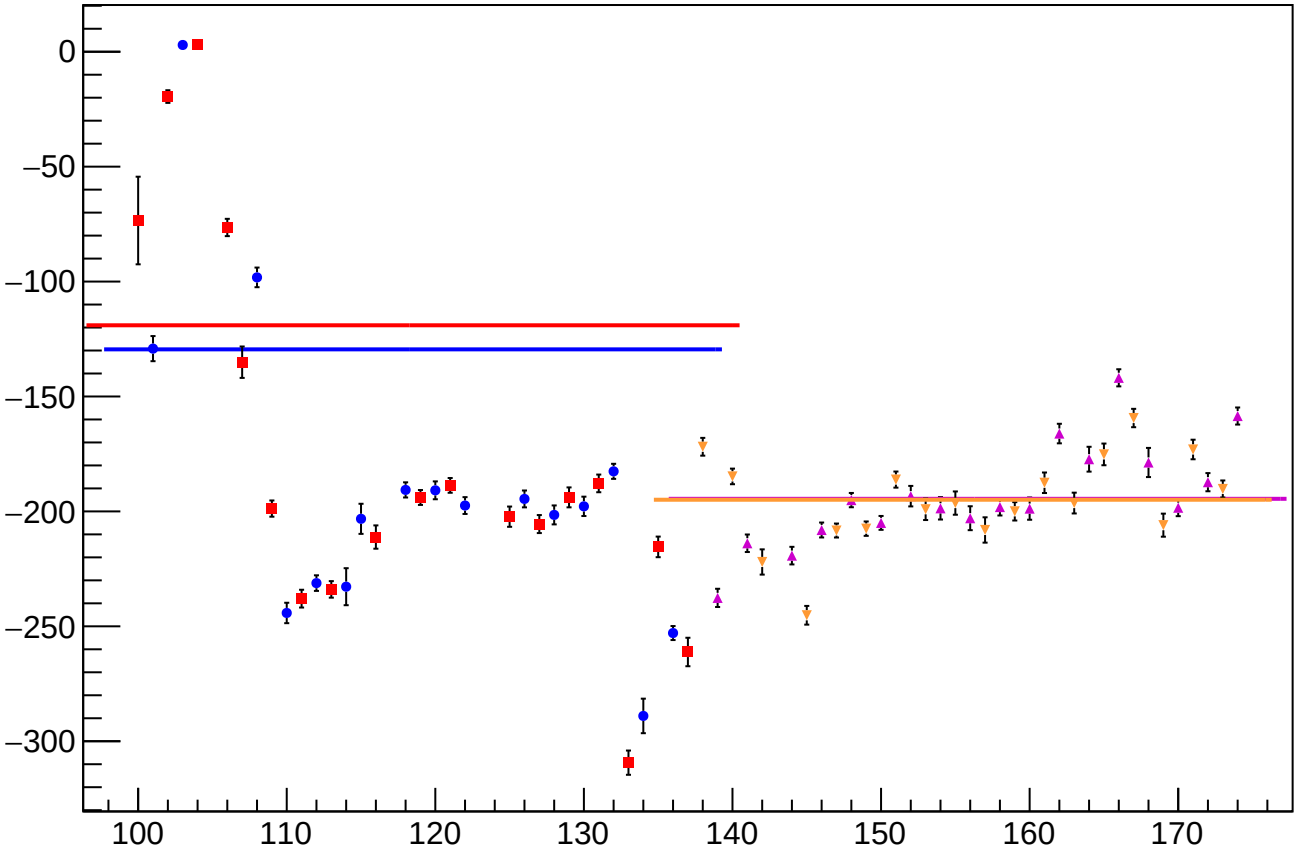
Left In: -7.429+/-0.657 χ^2/NDF:264.1/17

+ sign -5.914+/-0.514 χ^2/NDF: 287.7/33

All: -5.524+/-0.358 χ^2/NDF: 640.0/69

- sign -5.155+/-0.500 χ^2/NDF: 351.2/35

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -194.925+/-0.956 χ^2/NDF:403.4/17

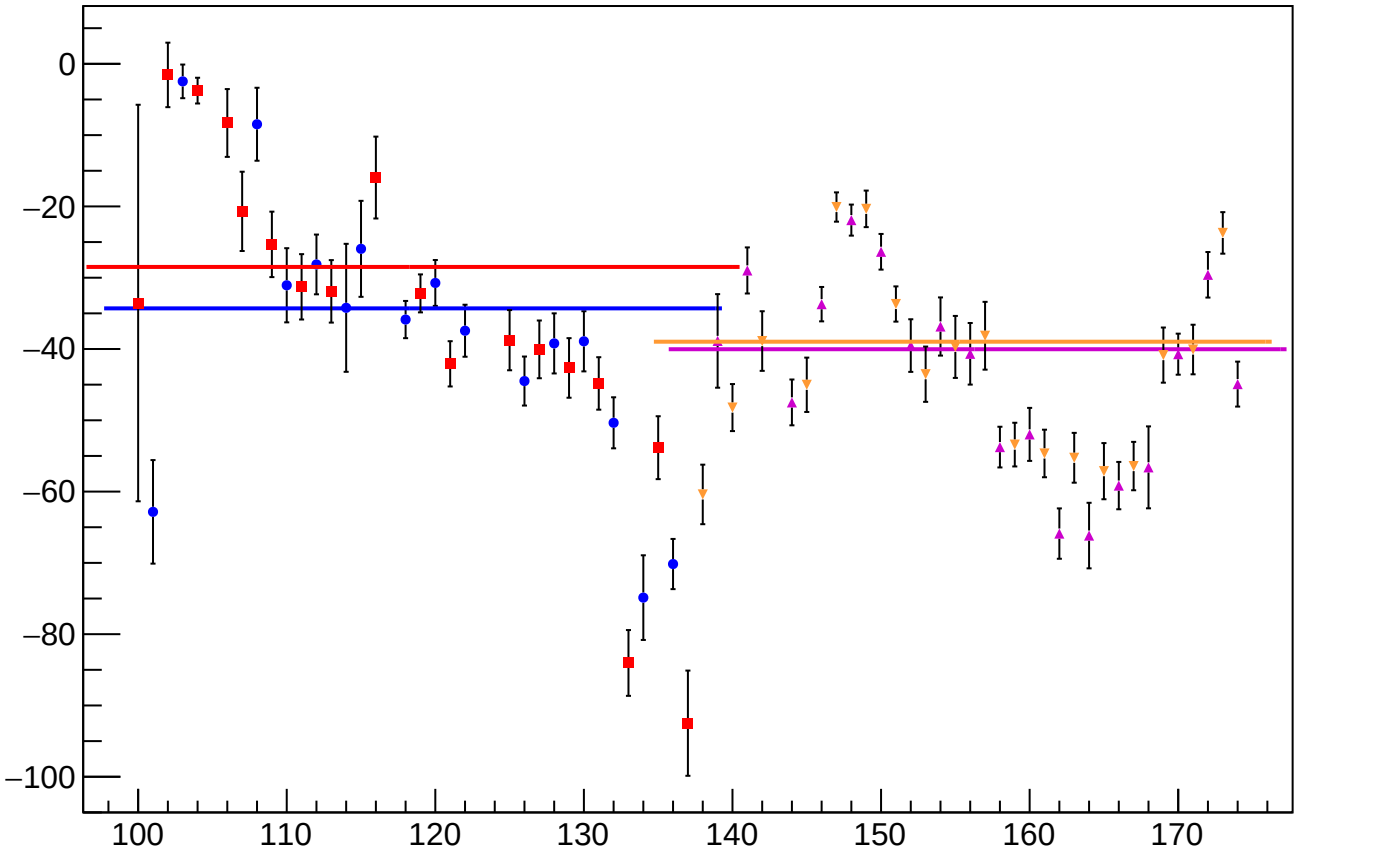
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

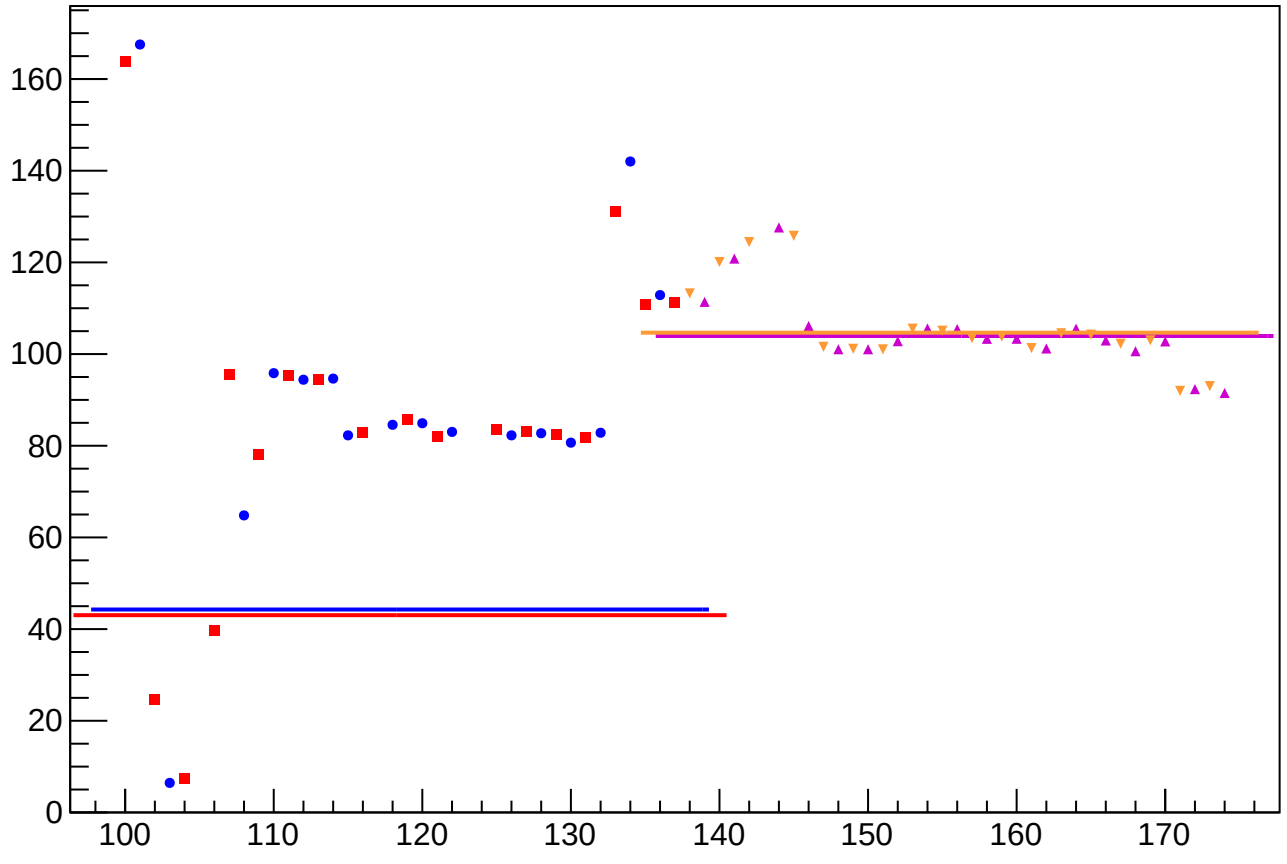
Left In: -194.523+/-0.932 χ^2/NDF:579.4/17

+ sign -158.236+/-0.634 χ^2/NDF: 17716.0/33

All: -154.830+/-0.440 χ^2/NDF: 38257.3/69

- sign -151.648+/-0.613 χ^2/NDF: 20485.4/35


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: -34.301+/-0.968 χ²/NDF: 411.3/15
Left Out: -38.975+/-0.769 χ²/NDF:321.6/17
Right Out: -28.488+/-0.907 χ²/NDF: 568.0/17
Left In: -40.032+/-0.765 χ²/NDF:297.7/17
+ sign -37.165+/-0.602 χ²/NDF: 747.2/33
All: -36.169+/-0.420 χ²/NDF: 1712.8/69
- sign -35.231+/-0.585 χ²/NDF: 960.3/35



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 104.668+/-0.036 χ^2/NDF:56946.8/17

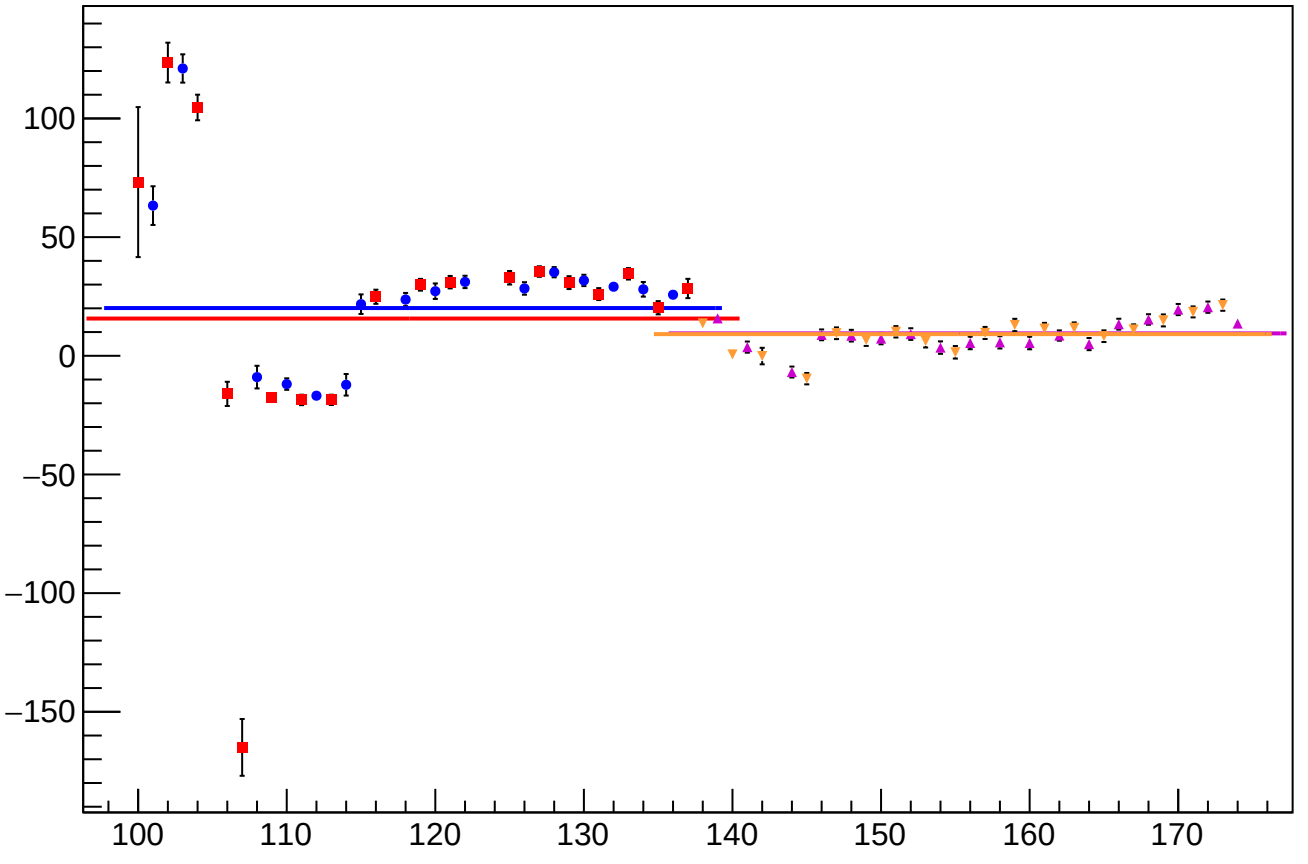
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 103.943+/-0.035 χ^2/NDF:52249.4/17

+ sign 80.835+/-0.028 χ^2/NDF: 2235277.0/33

All: 80.919+/-0.020 χ^2/NDF: 4232755.0/69

- 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: 9.132+/-0.572 χ^2/NDF:154.2/17

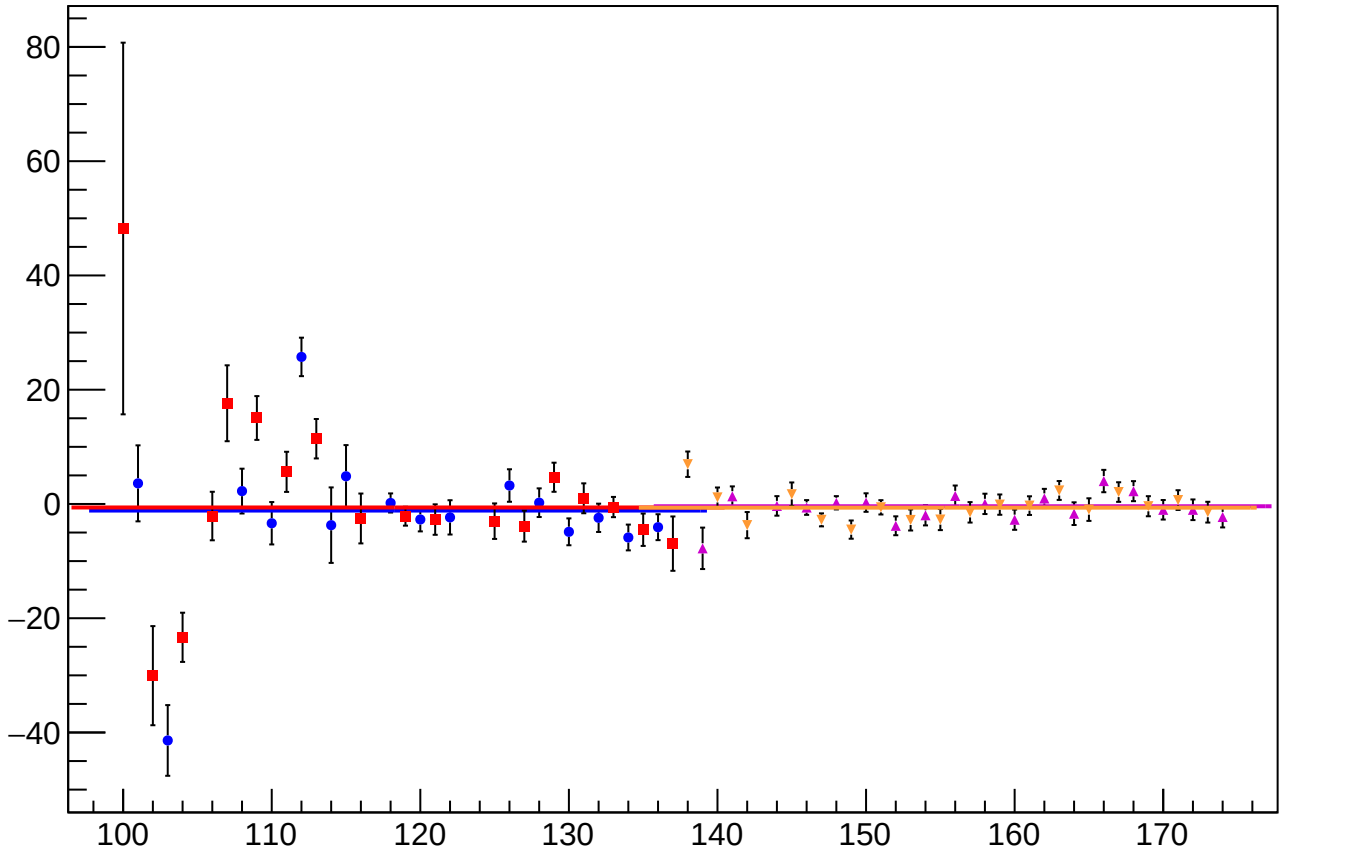
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 9.442+/-0.556 χ^2/NDF:135.7/17

\+ sign 13.627+/-0.439 χ^2/NDF: 1353.4/33

All: 12.767+/-0.308 χ^2/NDF: 3321.0/69

\- sign 11.940+/-0.431 χ^2/NDF: 1960.1/35



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.645+/-0.399 χ^2/NDF:34.8/17

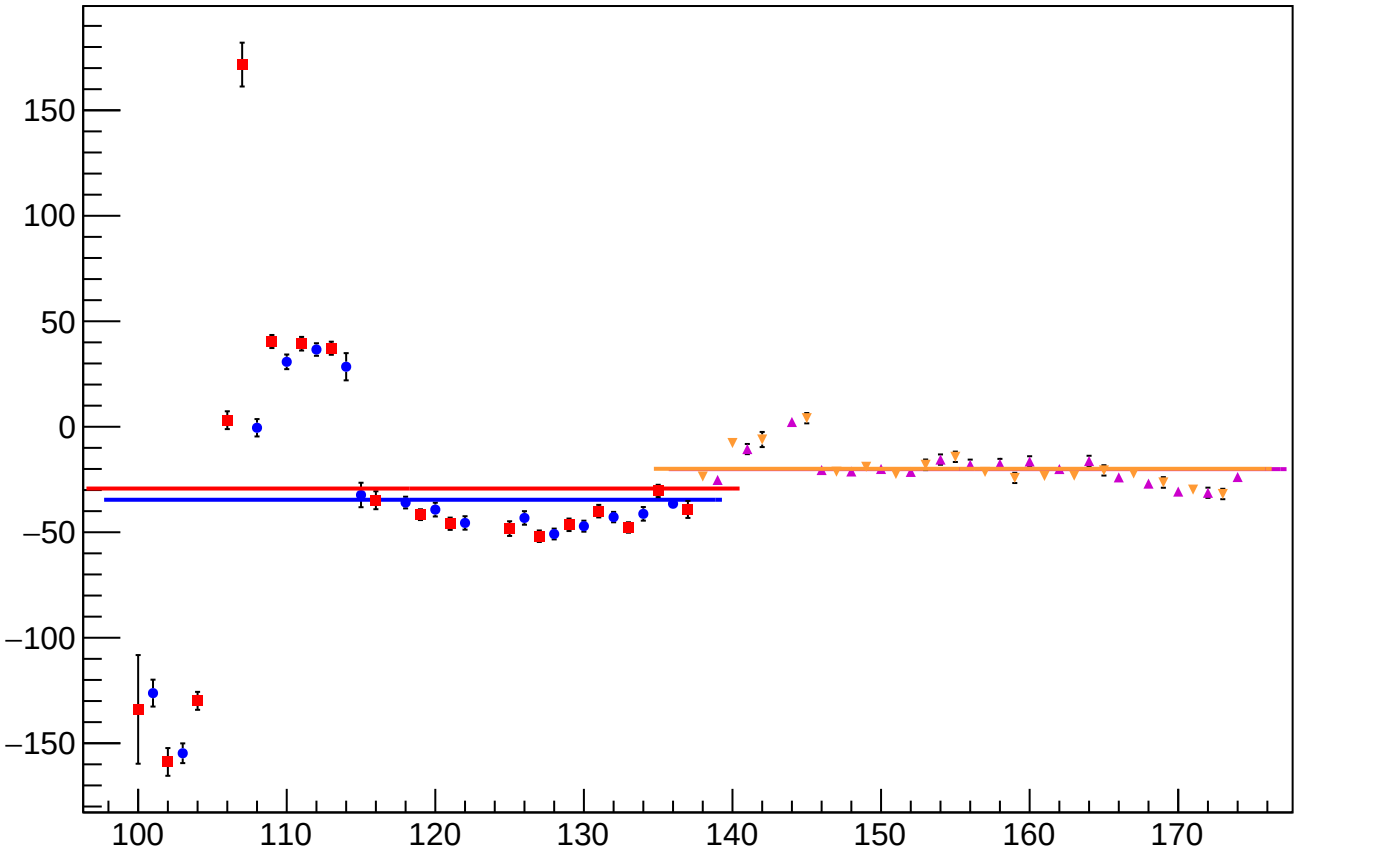
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.401+/-0.401 χ^2/NDF:23.2/17

+ sign -0.769+/-0.347 χ^2/NDF: 157.0/33

All: -0.612+/-0.246 χ^2/NDF: 274.1/69

- sign -0.452+/-0.349 χ^2/NDF: 116.6/35



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -19.923+/-0.560 χ^2/NDF:211.9/17

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

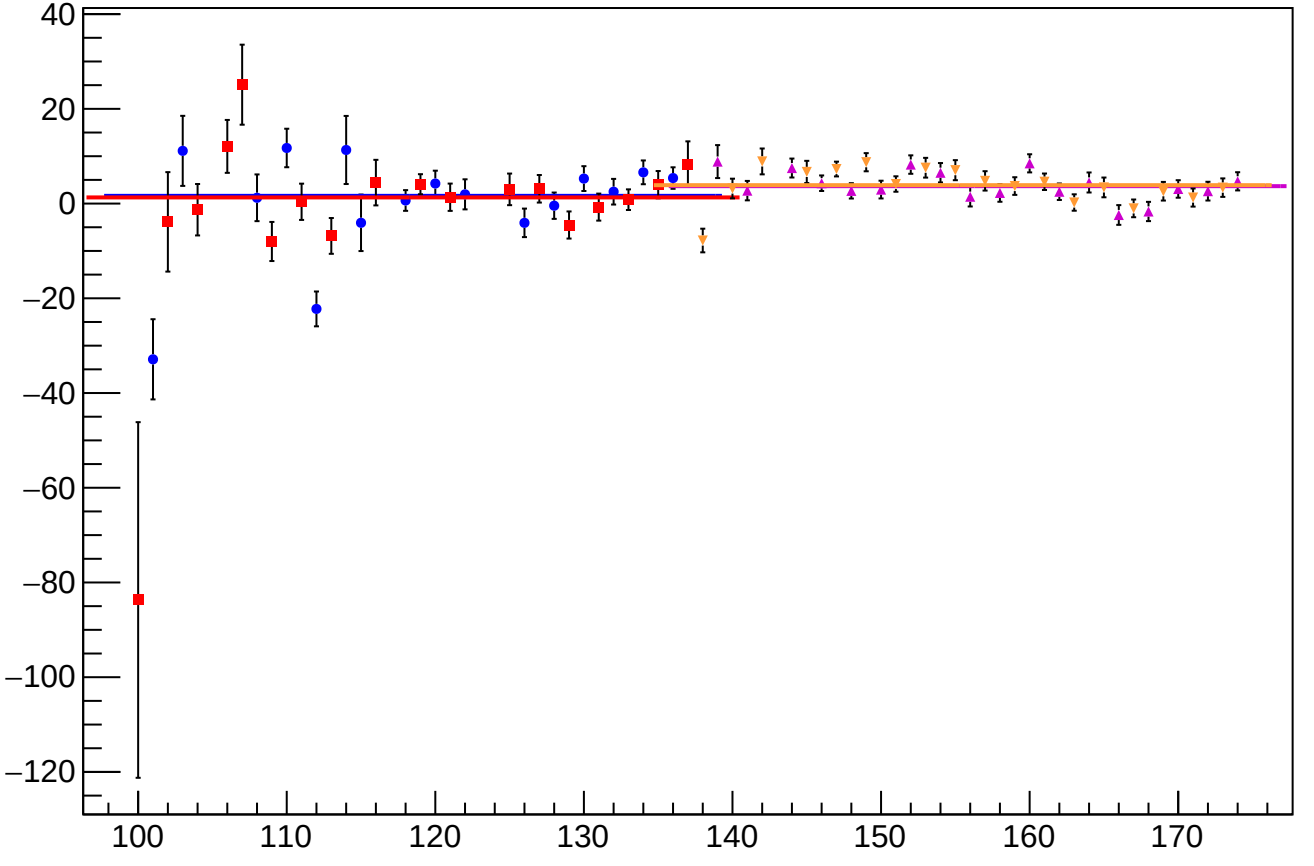
Left In: -20.081+/-0.547 χ^2/NDF:177.1/17

+ sign -24.864+/-0.456 χ^2/NDF: 2501.4/33

All: -23.926+/-0.321 χ^2/NDF: 5858.1/69

- 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: 3.885+/-0.460 χ^2/NDF:57.5/17

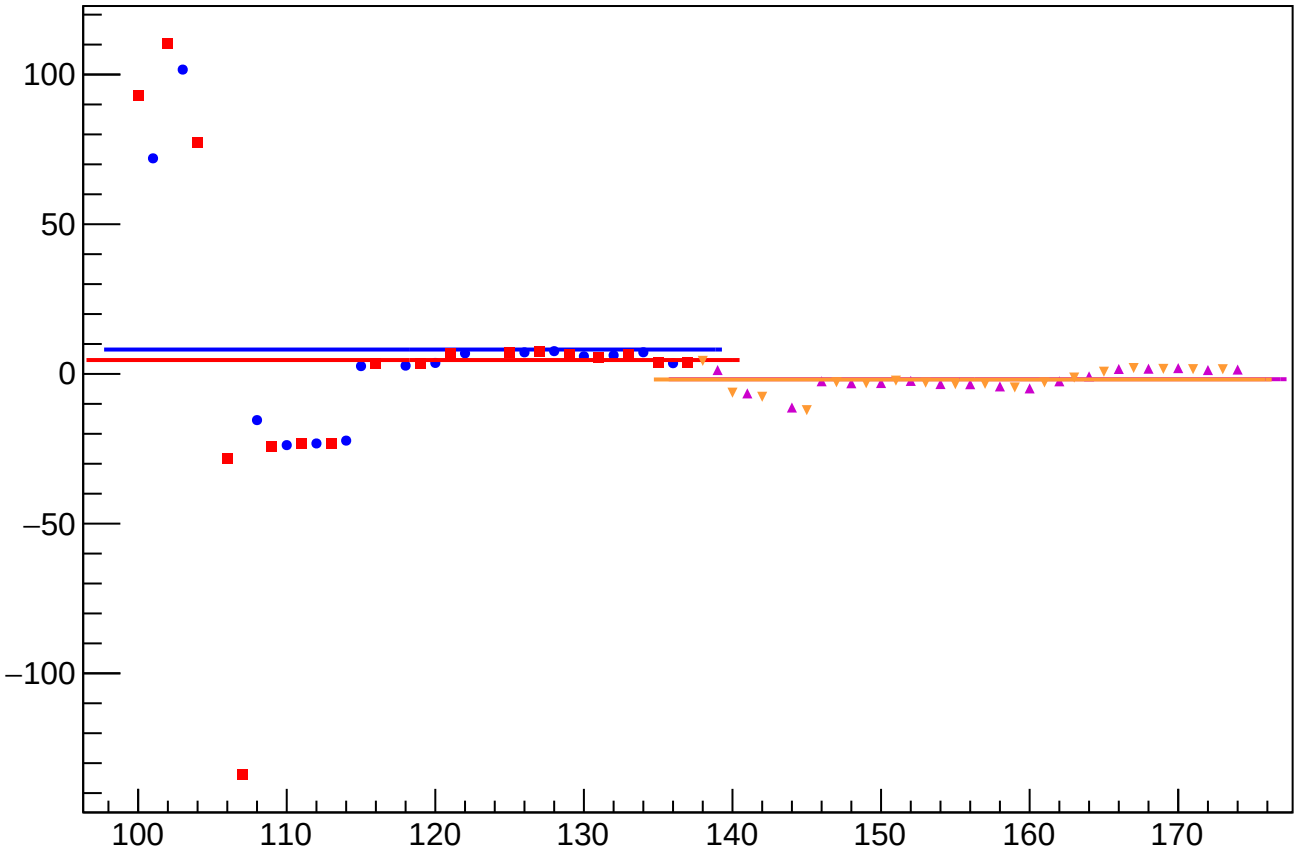
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 3.676+/-0.459 χ^2/NDF:39.0/17

+ sign 3.321+/-0.398 χ^2/NDF: 146.8/33

All: 3.214+/-0.282 χ^2/NDF: 229.9/69

- 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: -1.851+/-0.021 χ^2/NDF:30925.2/17

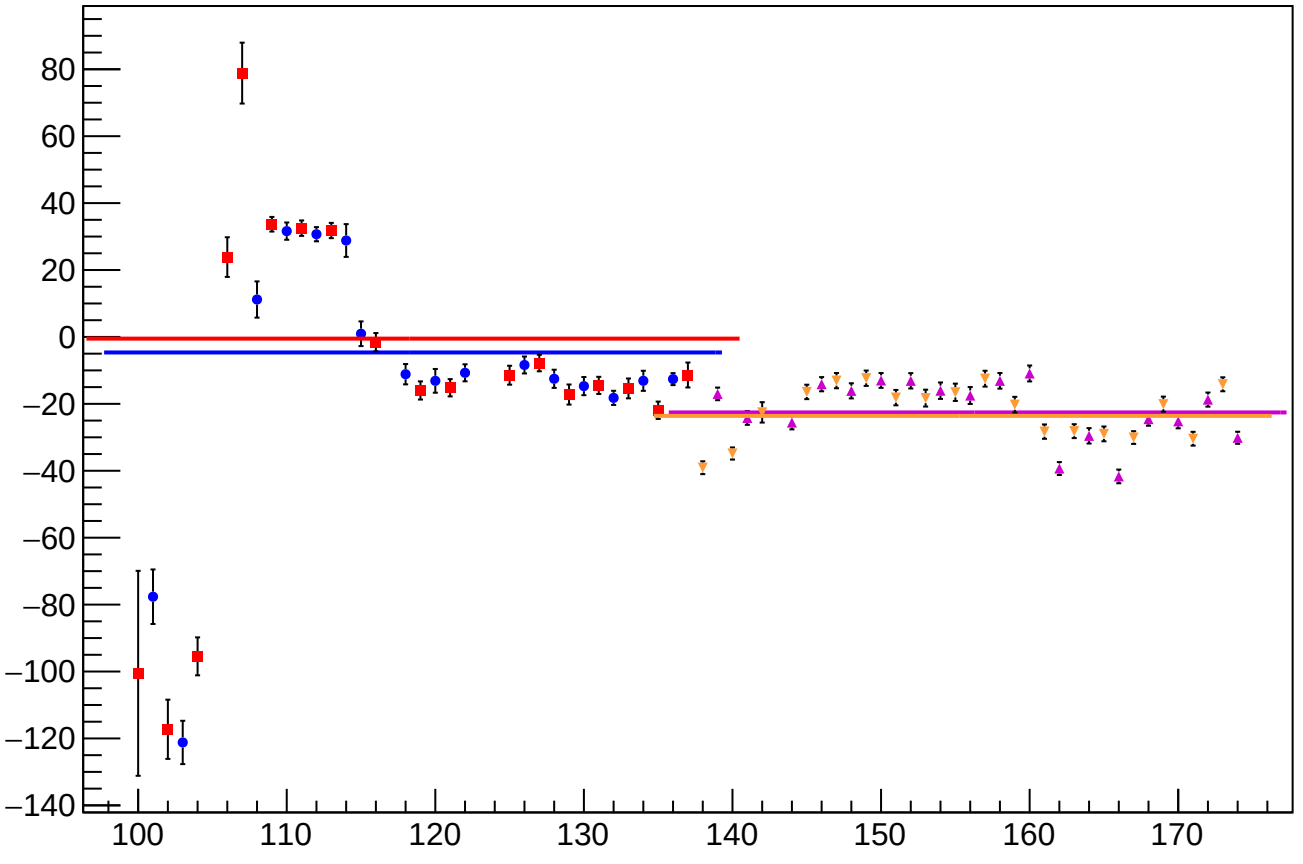
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -1.762+/-0.020 χ^2/NDF:24055.7/17

\+ sign -0.304+/-0.019 χ^2/NDF: 380379.1/33

All: -0.615+/-0.013 χ^2/NDF: 865077.6/69

\- 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: -23.595+/-0.518 χ^2/NDF:262.1/17

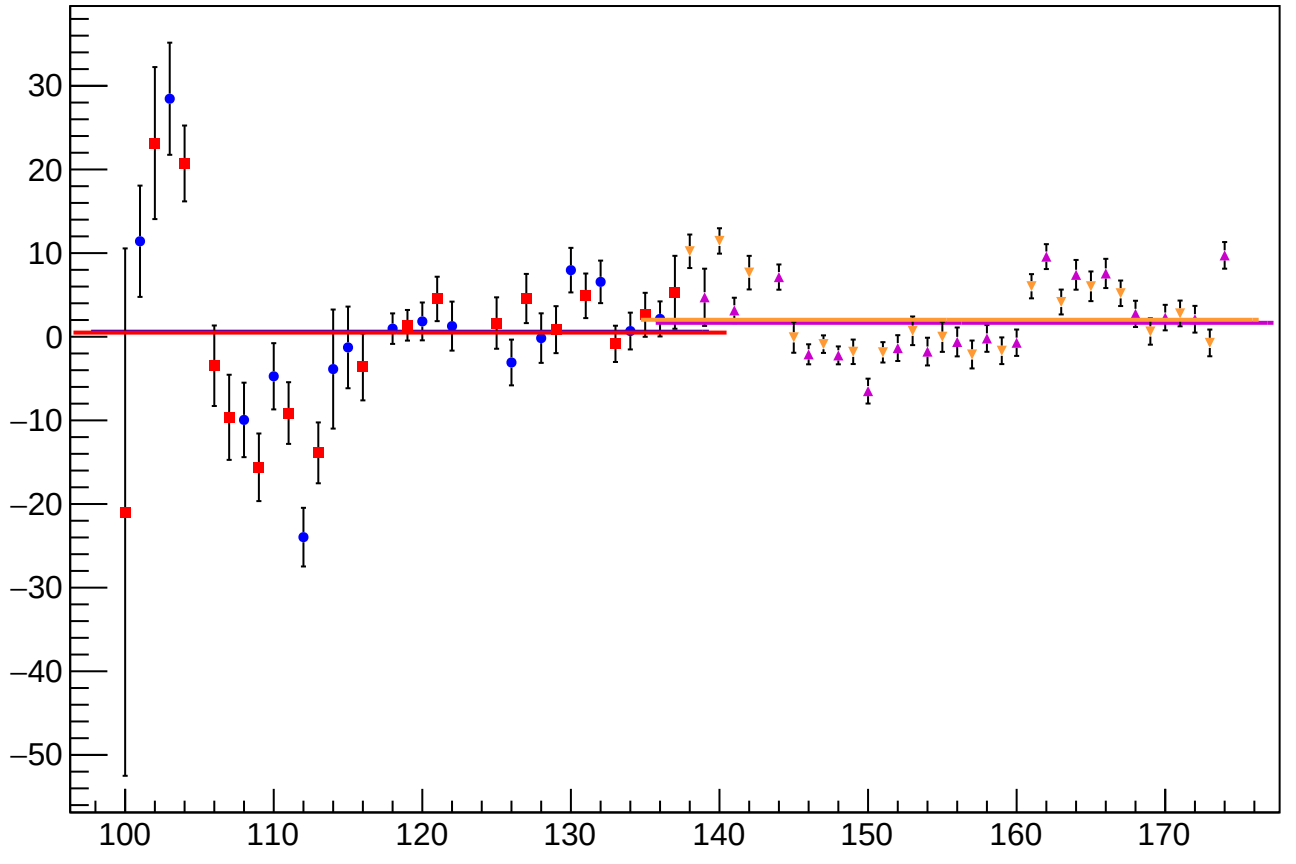
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -22.565+/-0.503 χ^2/NDF:317.6/17

\+ sign -17.021+/-0.419 χ^2/NDF: 1771.9/33

All: -16.096+/-0.293 χ^2/NDF: 4198.8/69

\- 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: 2.029+/-0.363 χ^2/NDF:125.8/17

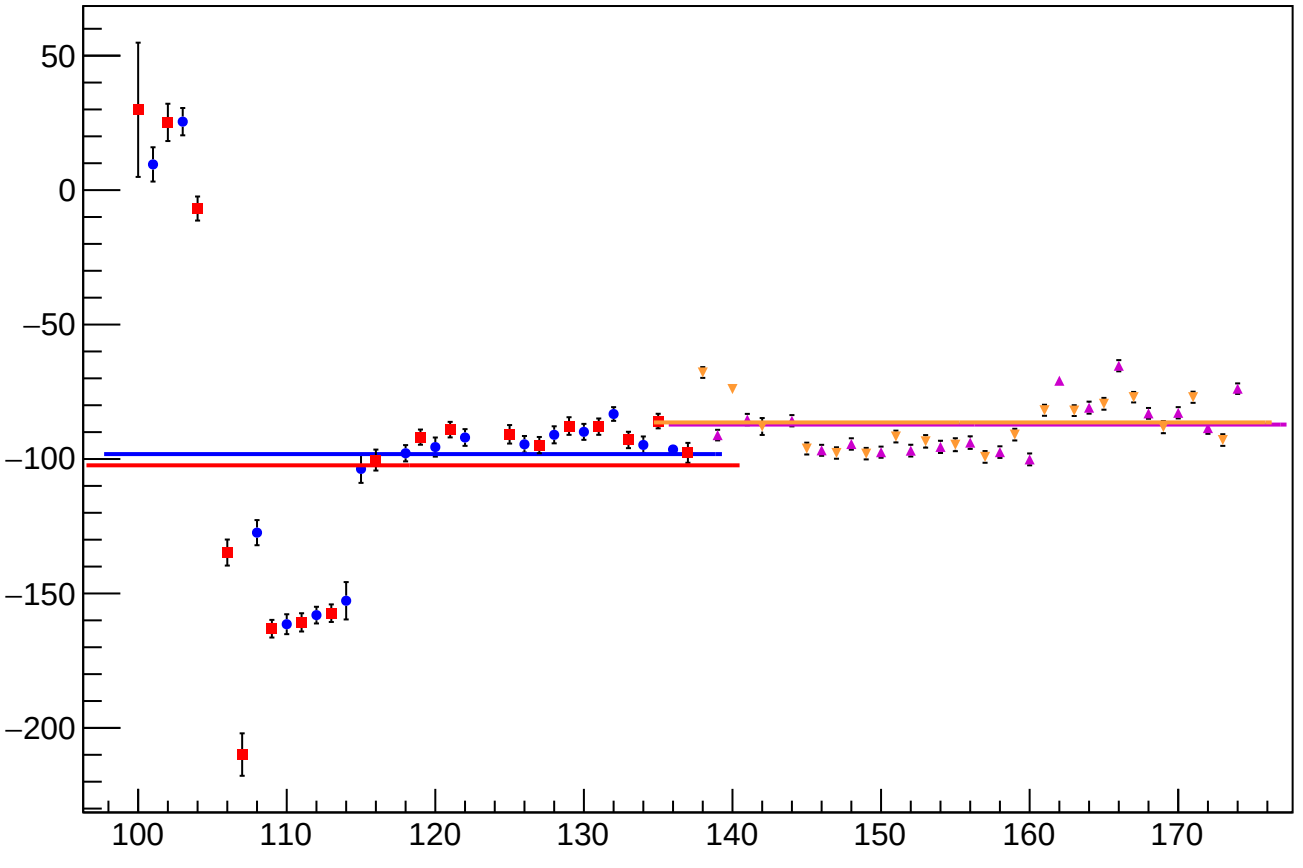
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 1.665+/-0.363 χ^2/NDF:158.1/17

+ sign 1.744+/-0.325 χ^2/NDF: 221.8/33

All: 1.596+/-0.230 χ^2/NDF: 462.4/69

- sign 1.446+/-0.327 χ^2/NDF: 240.2/35



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -86.392+/-0.509 χ^2/NDF:346.0/17

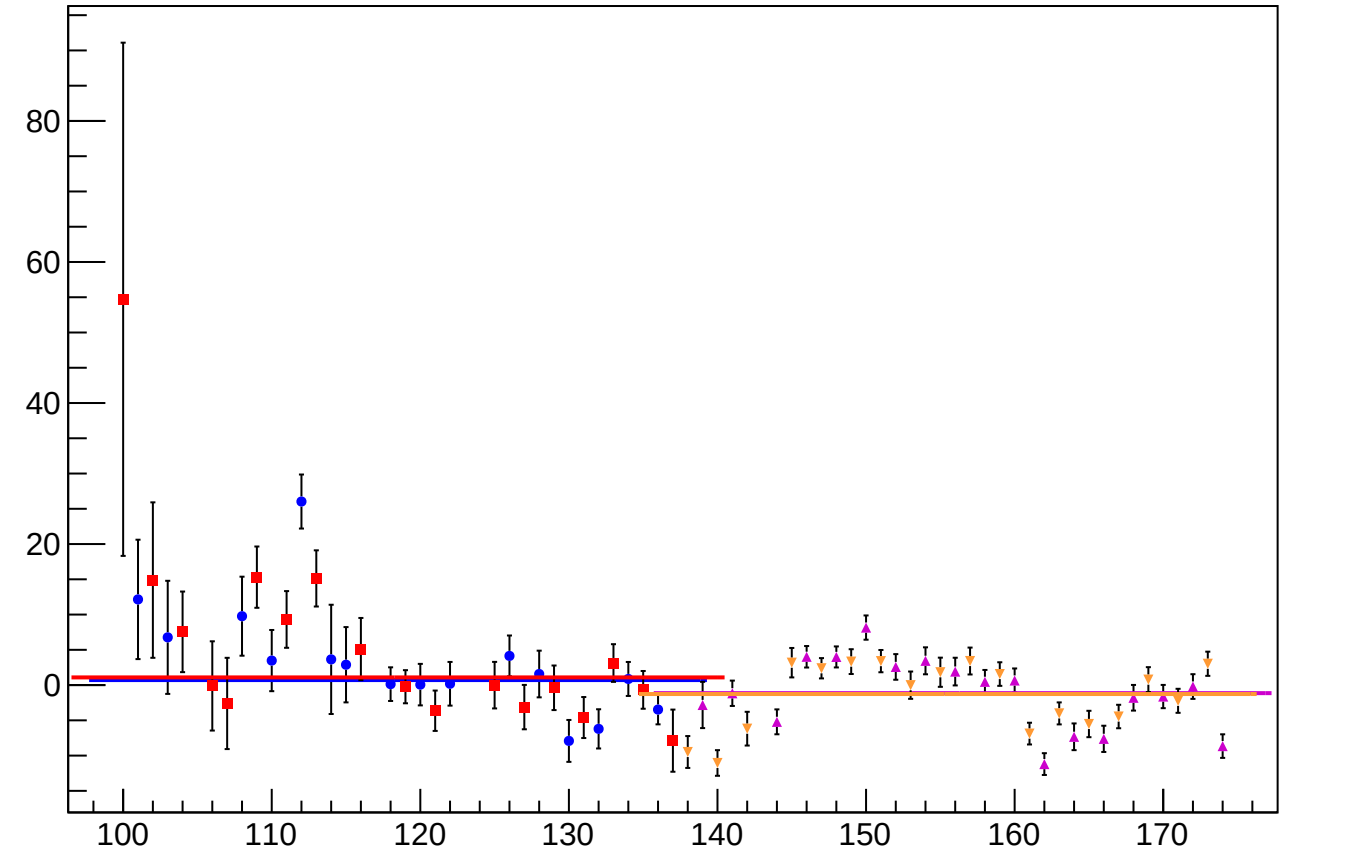
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -87.193+/-0.495 χ^2/NDF:412.4/17

+ sign -89.707+/-0.431 χ^2/NDF: 2196.8/33

All: -90.422+/-0.303 χ^2/NDF: 4975.0/69

- sign -91.121+/-0.426 χ^2/NDF: 2772.8/35



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -1.269+/-0.418 χ^2/NDF:117.6/17

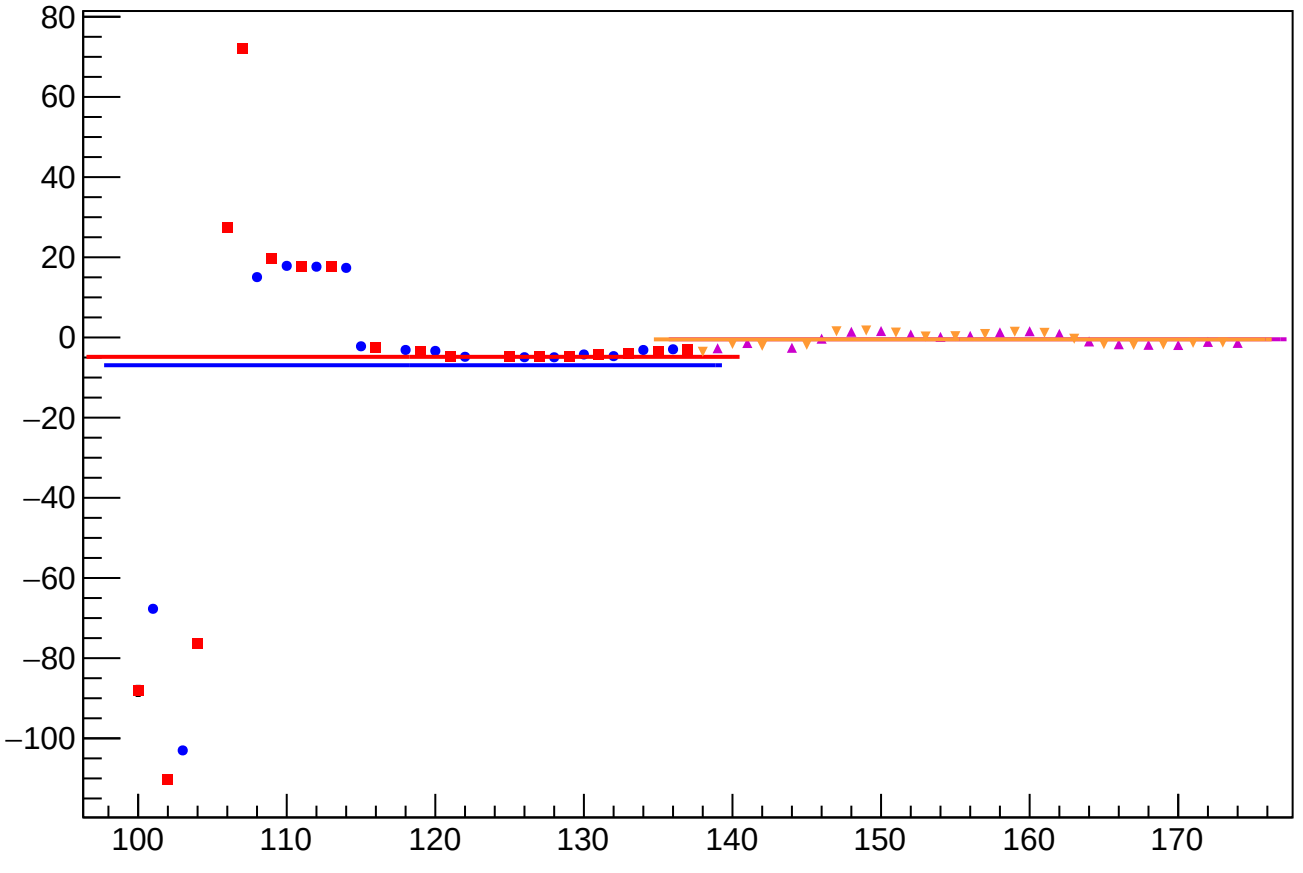
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -1.143+/-0.415 χ^2/NDF:158.4/17

+ sign -0.862+/-0.372 χ^2/NDF: 191.8/33

All: -0.791+/-0.264 χ^2/NDF: 403.5/69

- 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: -0.474+/-0.019 χ^2/NDF:6332.0/17

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

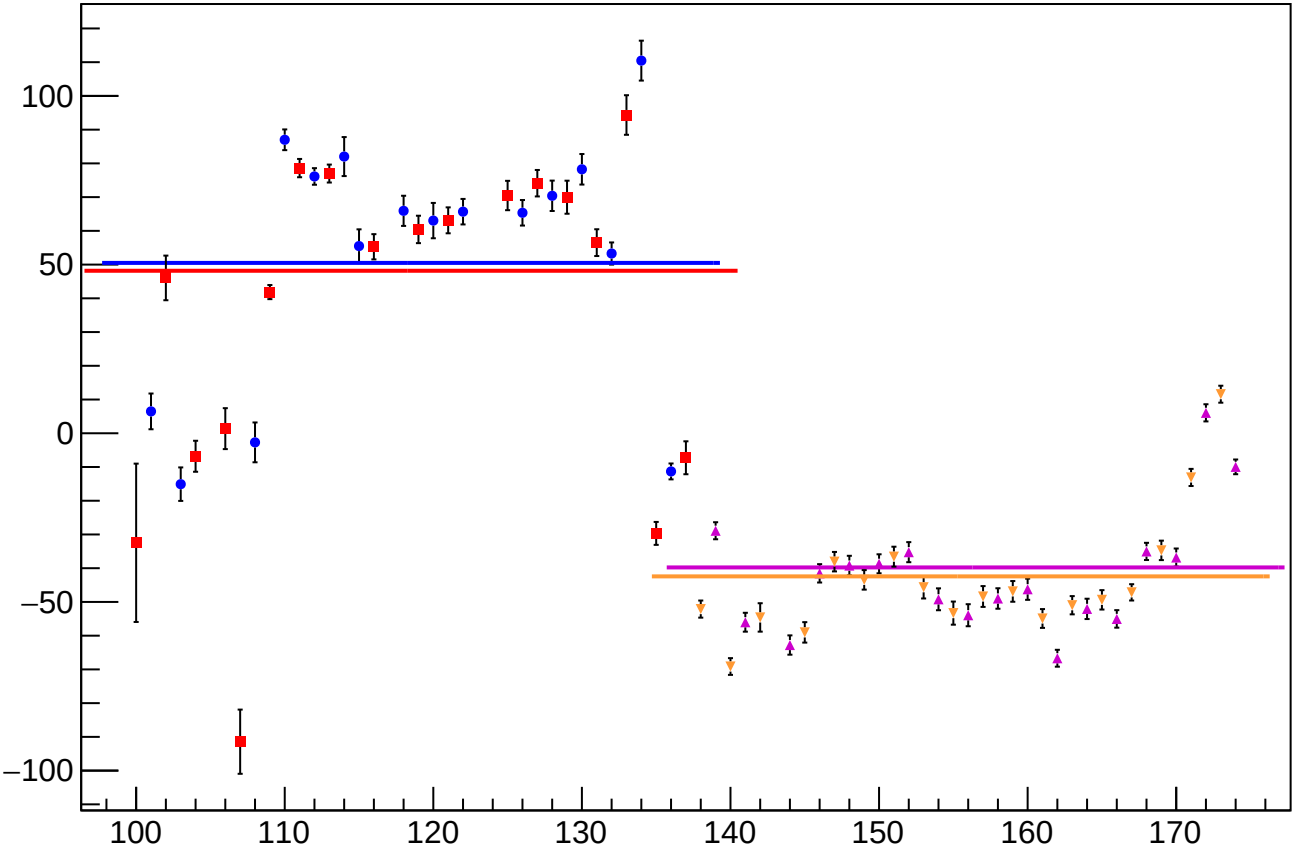
Left In: -0.449+/-0.018 χ^2/NDF:5996.9/17

+ sign -1.318+/-0.018 χ^2/NDF: 286887.8/33

All: -1.115+/-0.012 χ^2/NDF: 638666.8/69

- sign -0.918+/-0.017 χ^2/NDF: 351514.7/35

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -42.423+/-0.672 χ^2/NDF:833.7/17

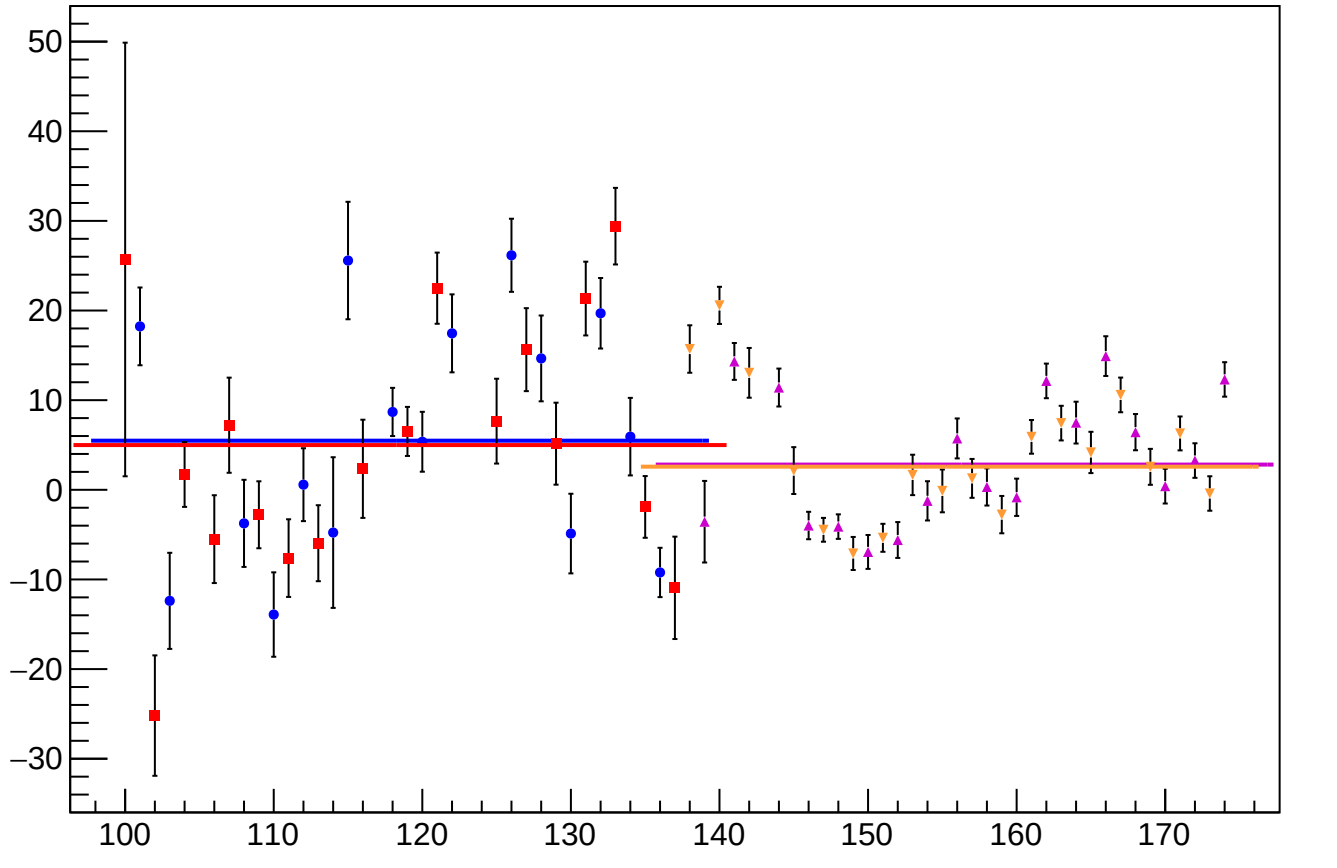
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -39.771+/-0.649 χ^2/NDF:843.3/17

\+ sign -12.104+/-0.551 χ^2/NDF: 8580.5/33

All: -11.175+/-0.382 χ^2/NDF: 17102.3/69

\- sign -10.319+/-0.529 χ^2/NDF: 8516.3/35



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 2.581+/-0.469 χ^2/NDF:237.5/17

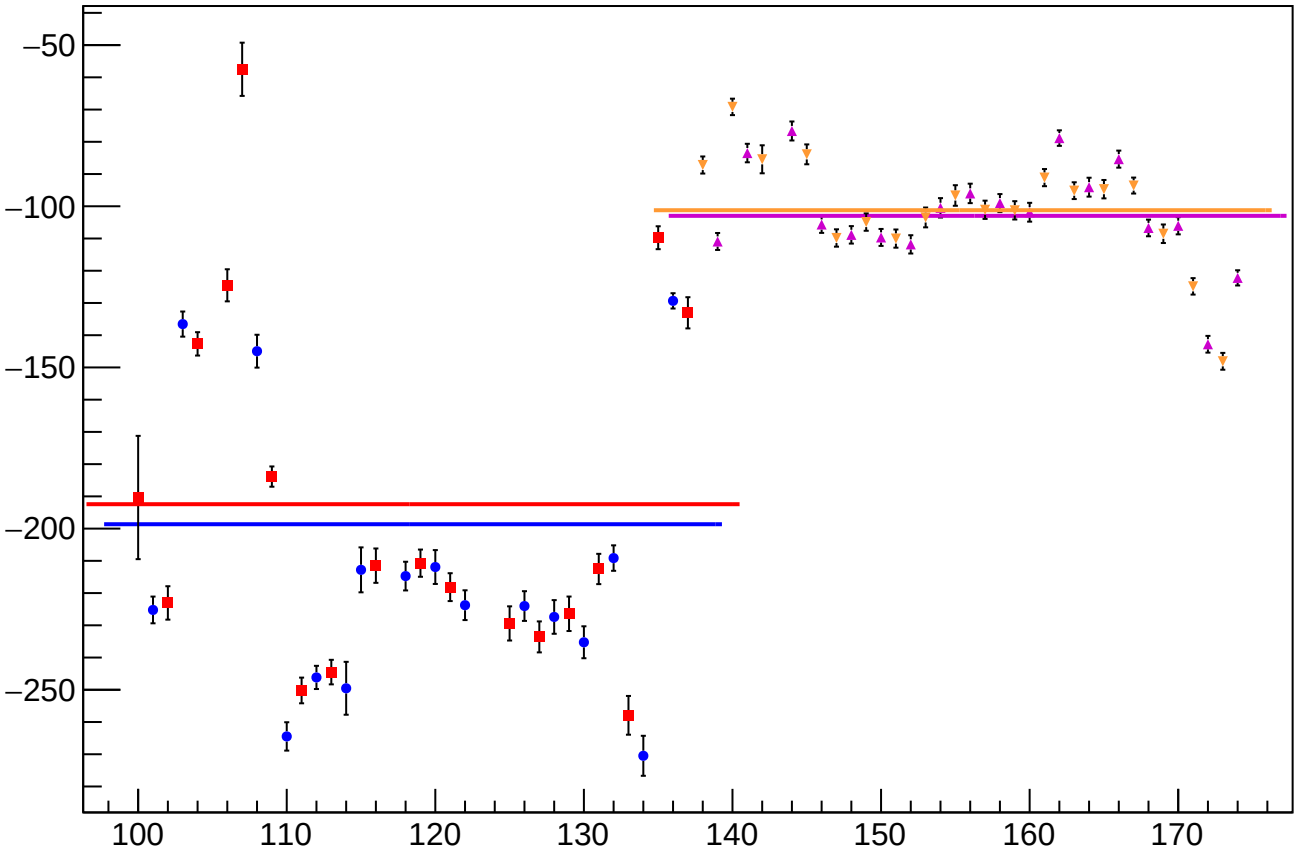
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 2.814+/-0.467 χ^2/NDF:235.5/17

+ sign 3.086+/-0.426 χ^2/NDF: 382.3/33

All: 3.138+/-0.301 χ^2/NDF: 753.4/69

- sign 3.190+/-0.425 χ^2/NDF: 371.0/35



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -101.227+/-0.659 χ^2/NDF:704.1/17

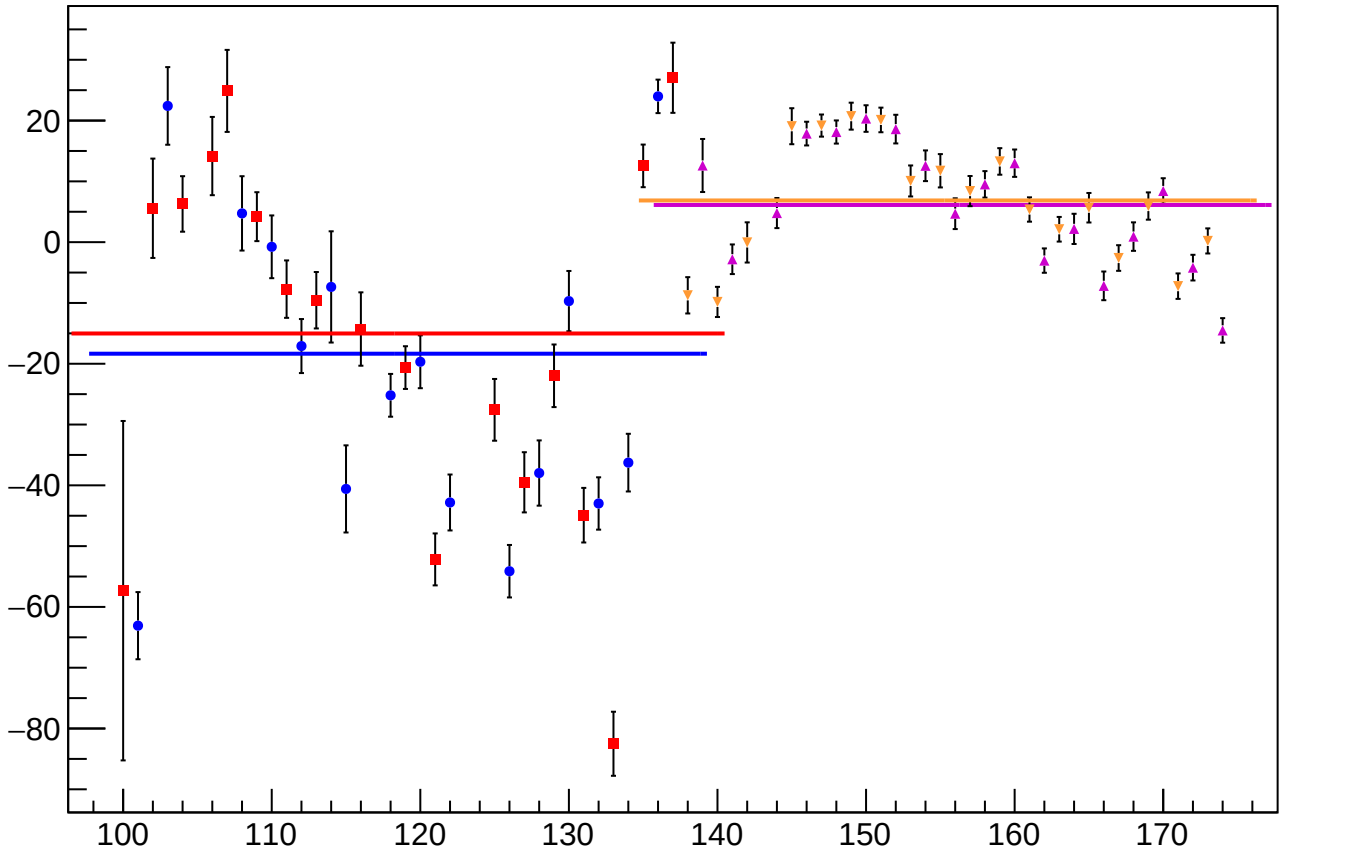
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -102.966+/-0.639 χ^2/NDF:624.4/17

+ sign -127.532+/-0.563 χ^2/NDF: 8608.1/33

All: -126.839+/-0.393 χ^2/NDF: 16458.1/69

- 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: 6.859+/-0.539 χ^2/NDF:317.7/17

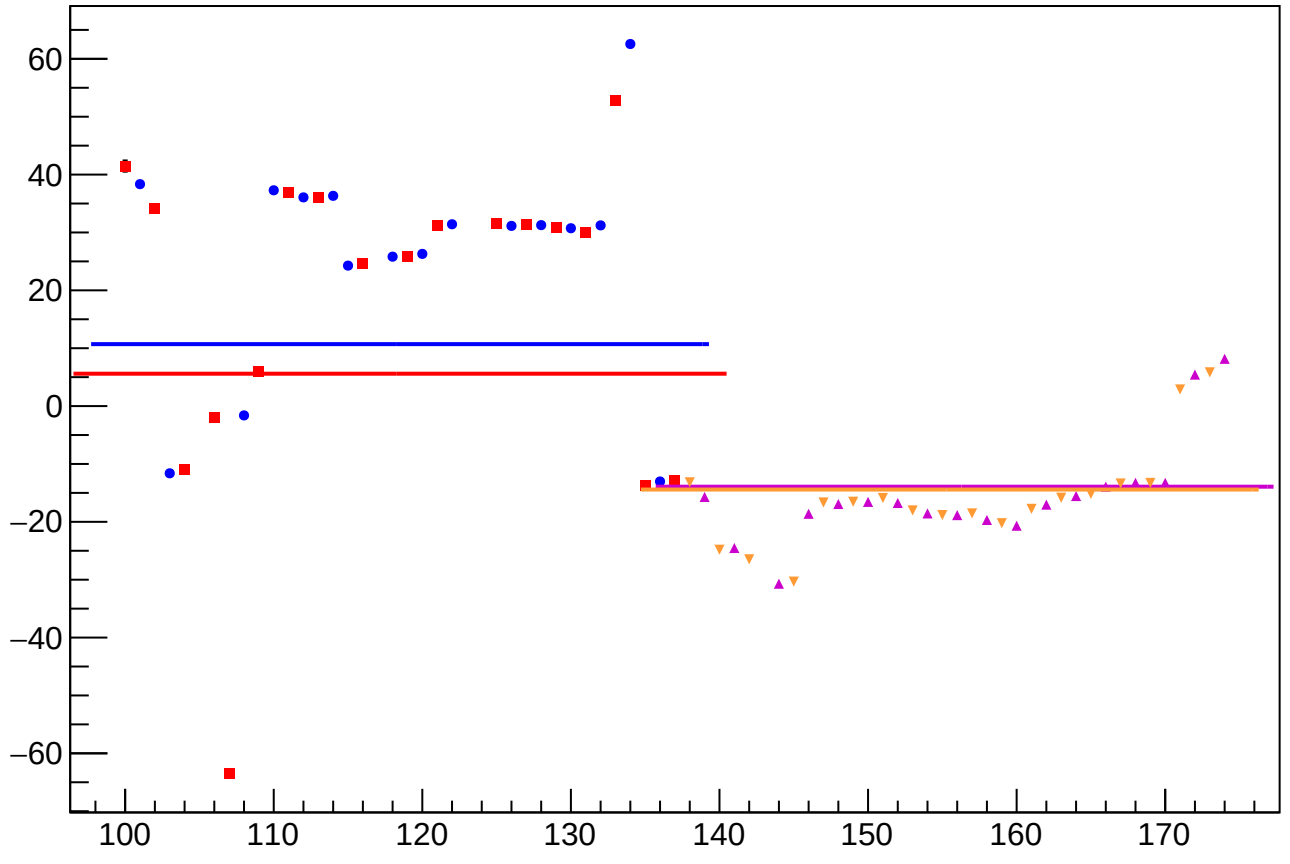
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 6.117+/-0.534 χ^2/NDF:370.5/17

+ sign 2.374+/-0.489 χ^2/NDF: 1250.2/33

All: 2.401+/-0.345 χ^2/NDF: 2440.4/69

- 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: -14.421+/-0.024 χ^2/NDF:130785.9/17

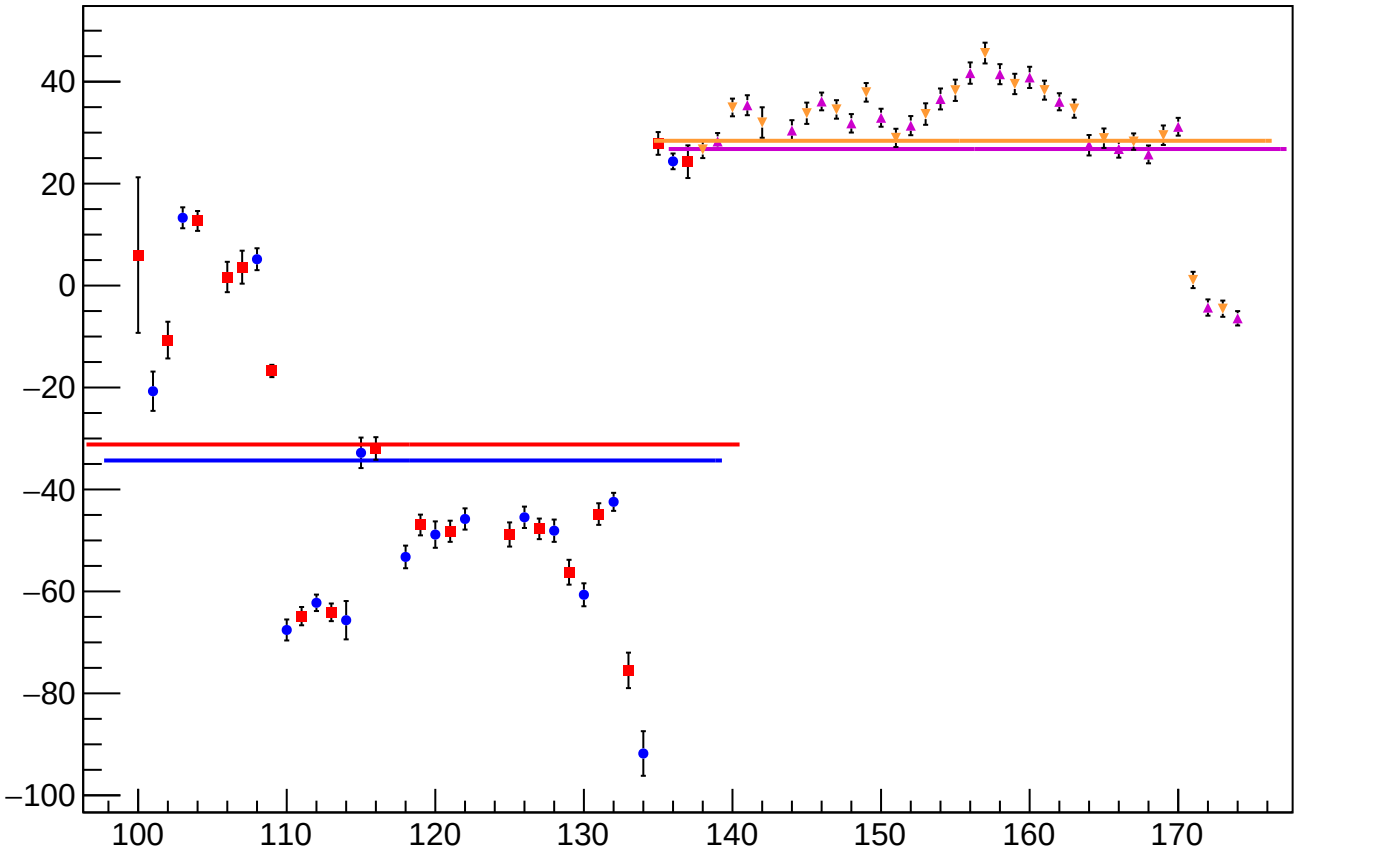
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -13.928+/-0.024 χ^2/NDF:160194.3/17

\+ sign -11.151+/-0.023 χ^2/NDF: 434423.9/33

All: -11.370+/-0.016 χ^2/NDF: 832615.7/69

\- sign -11.578+/-0.022 χ^2/NDF: 398009.5/35



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 28.402+/-0.438 χ^2/NDF:955.2/17

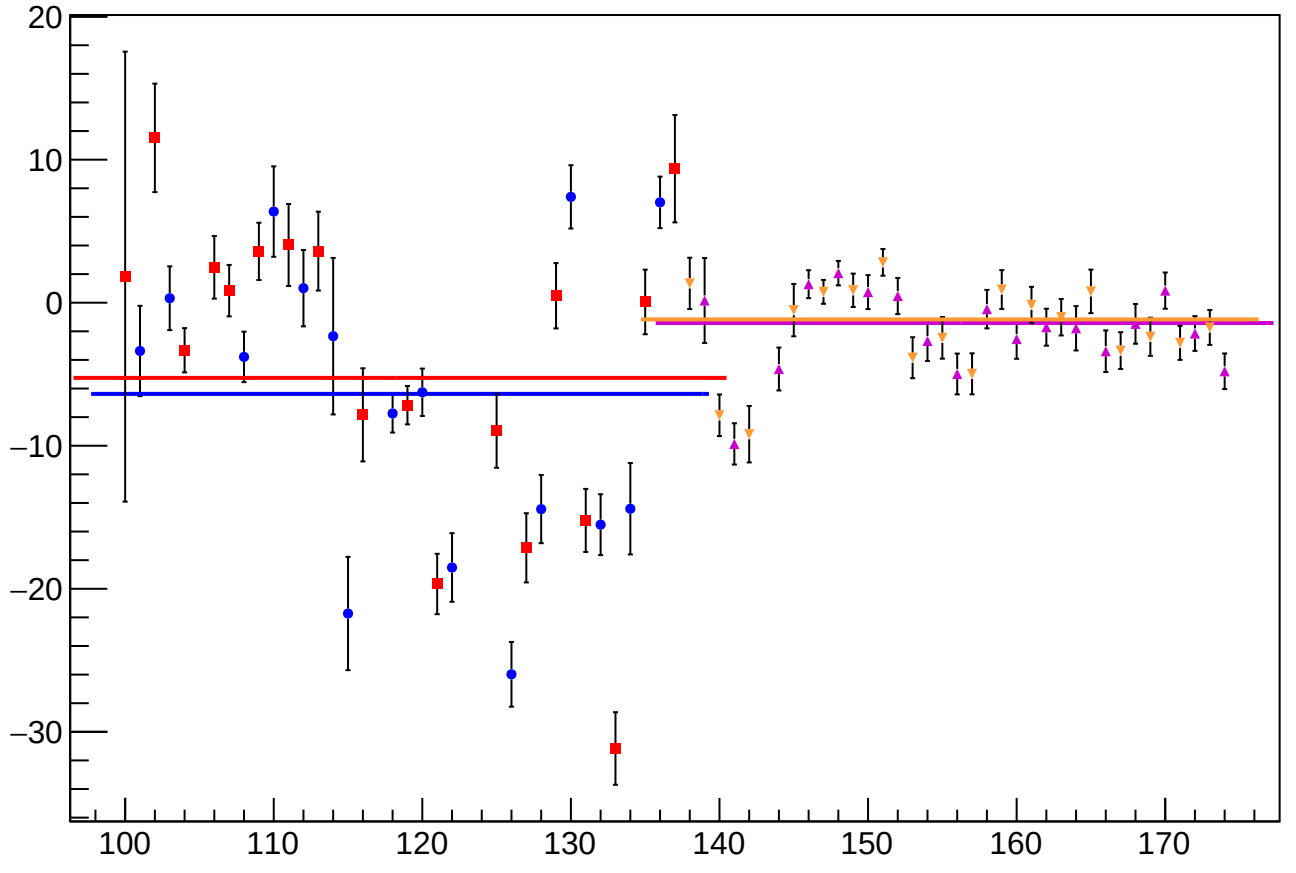
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 26.788+/-0.424 χ^2/NDF:1224.1/17

+ sign 3.938+/-0.342 χ^2/NDF: 12451.0/33

All: 3.666+/-0.237 χ^2/NDF: 24415.1/69

- 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: -1.169+/-0.303 χ^2/NDF:88.4/17

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

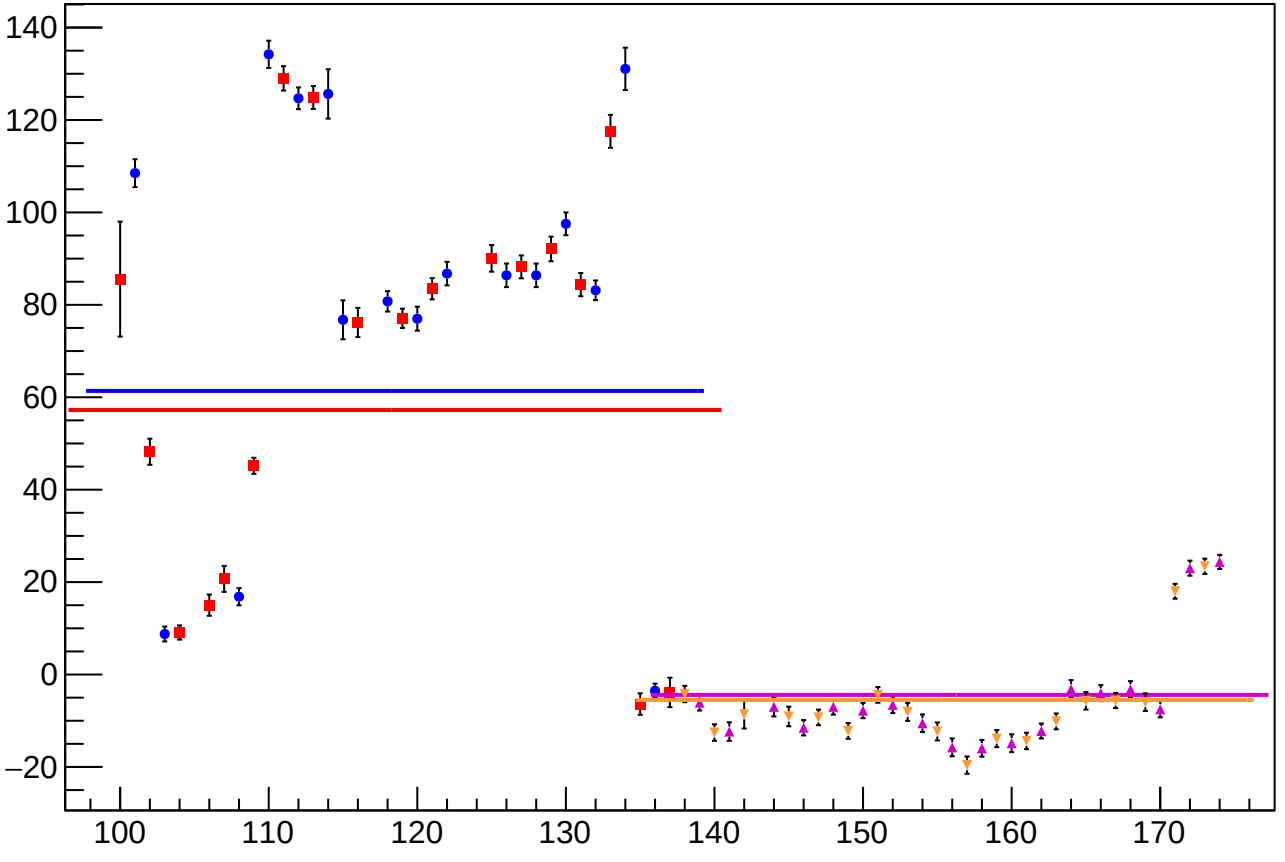
Left In: -1.420+/-0.304 χ^2/NDF:90.2/17

+ sign -2.371+/-0.266 χ^2/NDF: 440.0/33

All: -2.366+/-0.187 χ^2/NDF: 882.2/69

- sign -2.362+/-0.264 χ^2/NDF: 442.2/35

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -5.501+/-0.429 χ^2/NDF:685.2/17

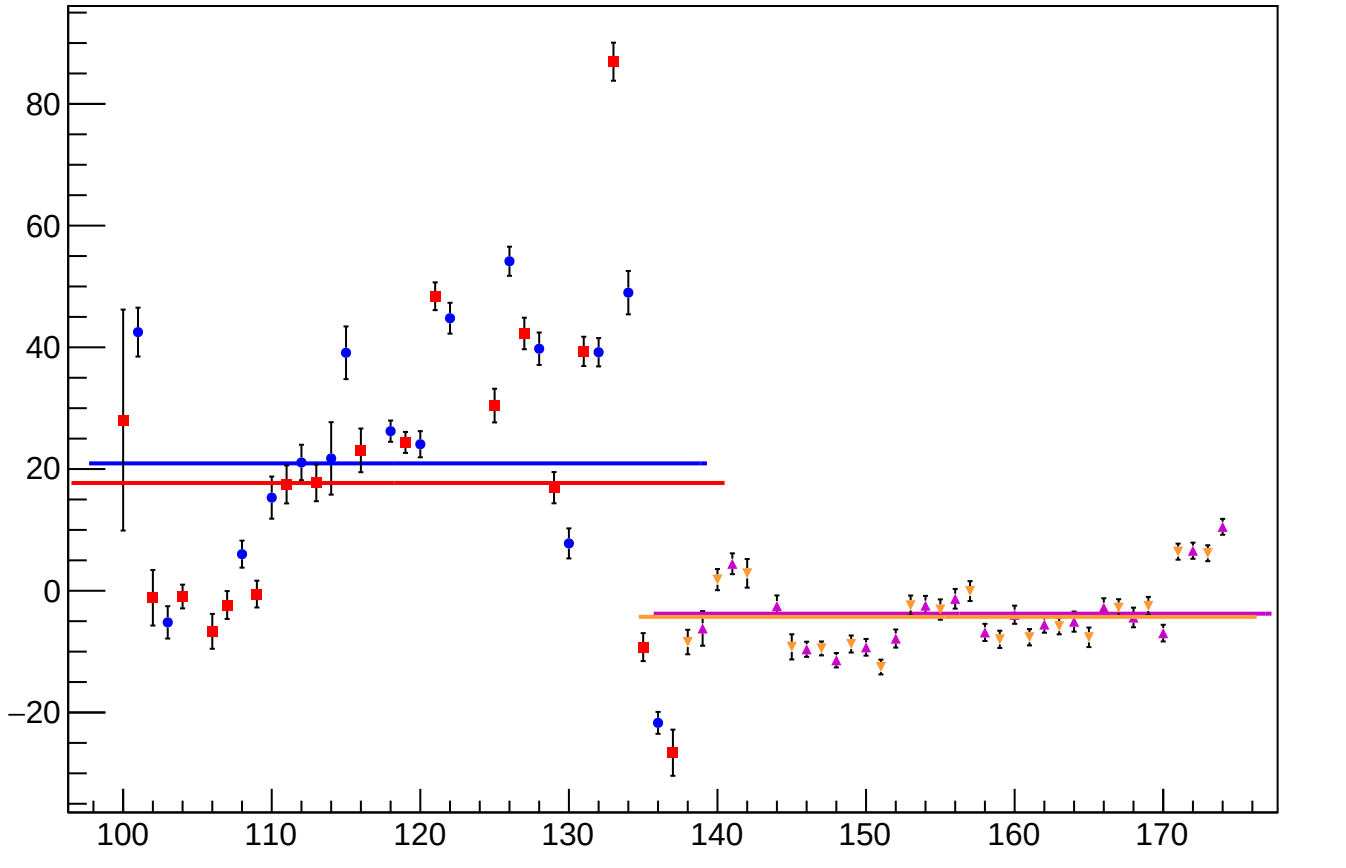
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -4.409+/-0.417 χ^2/NDF:825.7/17

\+ sign 17.401+/-0.348 χ^2/NDF: 15078.8/33

All: 16.987+/-0.243 χ^2/NDF: 28618.6/69

\- sign 16.594+/-0.339 χ^2/NDF: 13537.1/35



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -4.284+/-0.350 χ^2/NDF:268.2/17

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

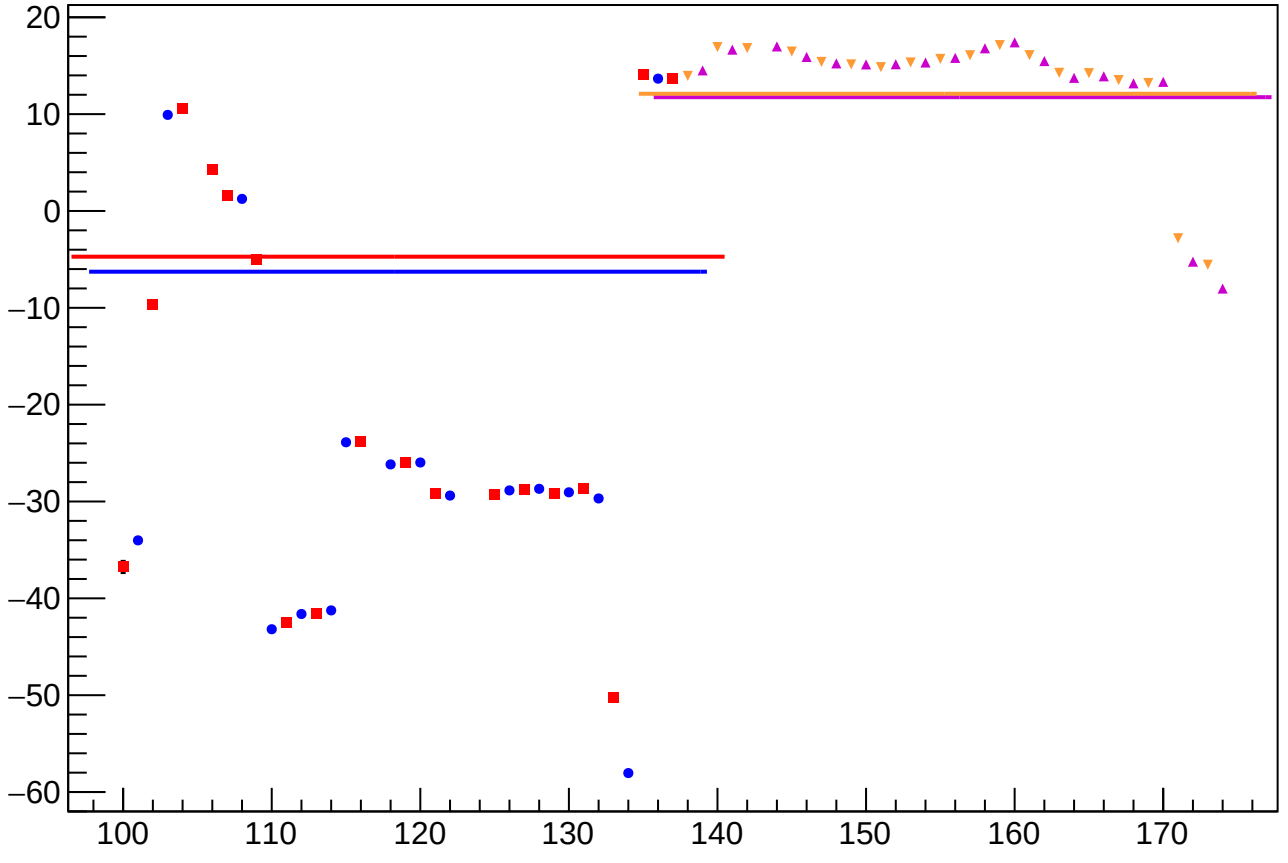
Left In: -3.764+/-0.348 χ^2/NDF:307.5/17

\+ sign 1.511+/-0.307 χ^2/NDF: 2708.6/33

All: 1.457+/-0.216 χ^2/NDF: 5414.6/69

\- sign 1.406+/-0.303 χ^2/NDF: 2705.9/35

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 12.103+/-0.016 χ^2/NDF:206211.9/17

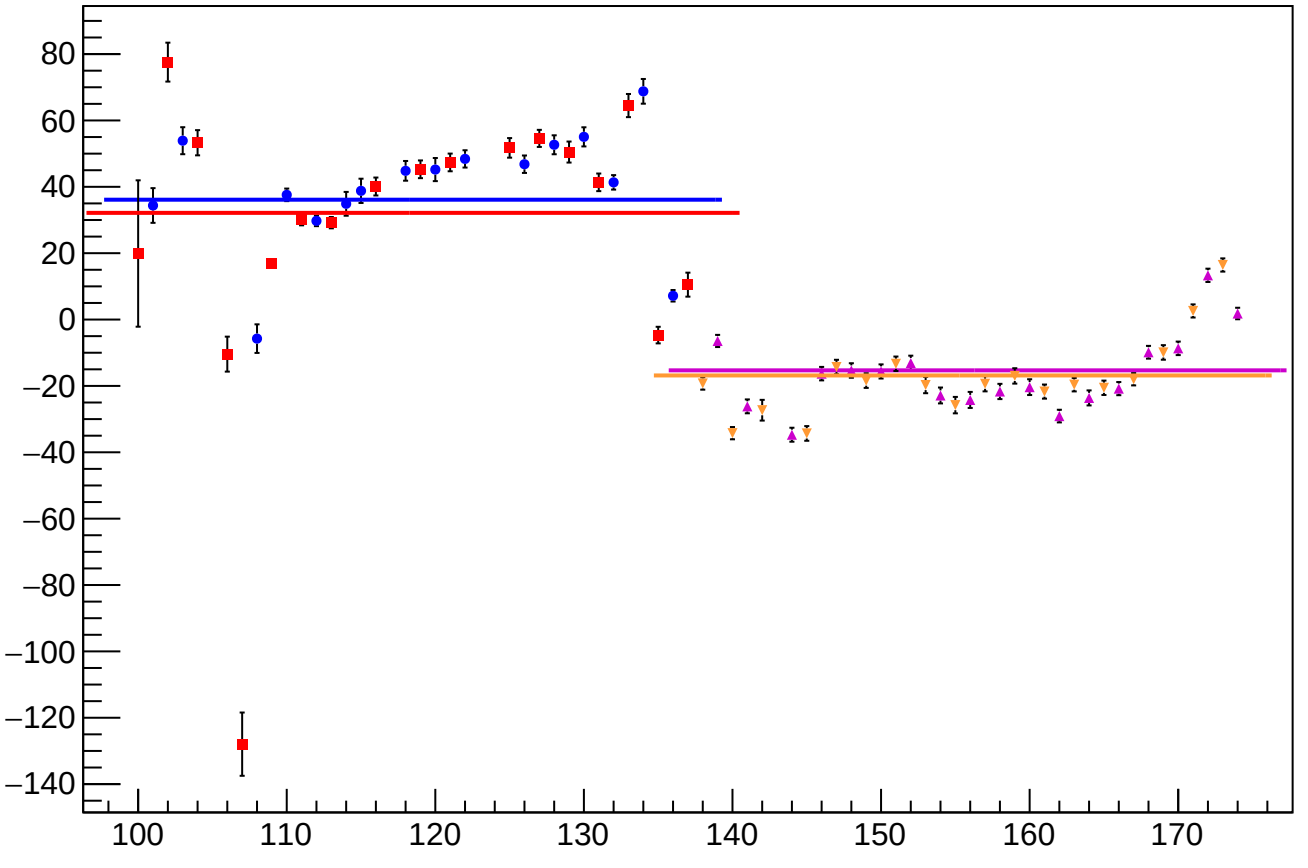
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 11.749+/-0.015 χ^2/NDF:275291.7/17

+ sign 8.746+/-0.014 χ^2/NDF: 863767.6/33

All: 8.837+/-0.010 χ^2/NDF: 1643779.2/69

- 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: -16.846+/-0.506 χ^2/NDF:579.2/17

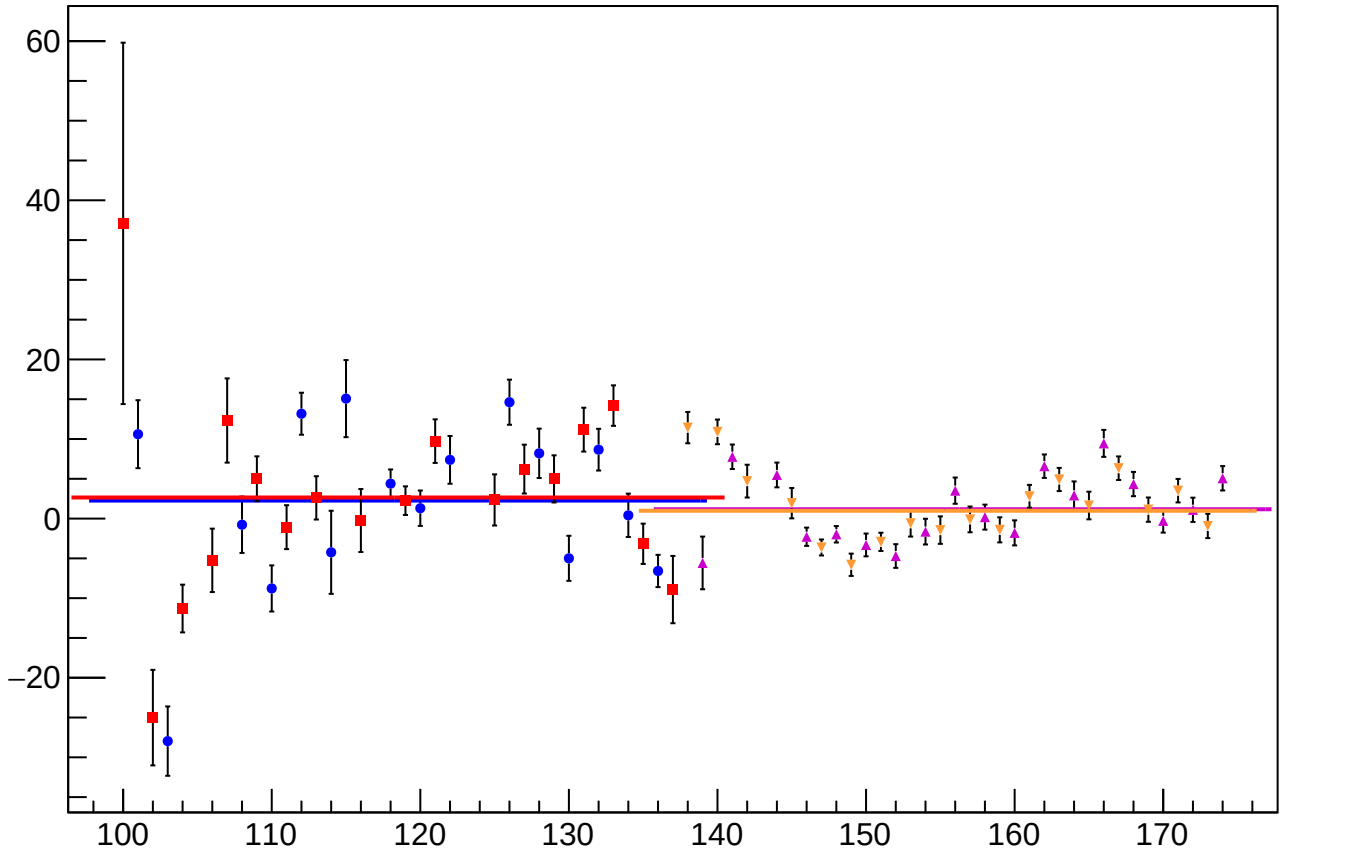
Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -15.306+/-0.491 χ^2/NDF:565.1/17

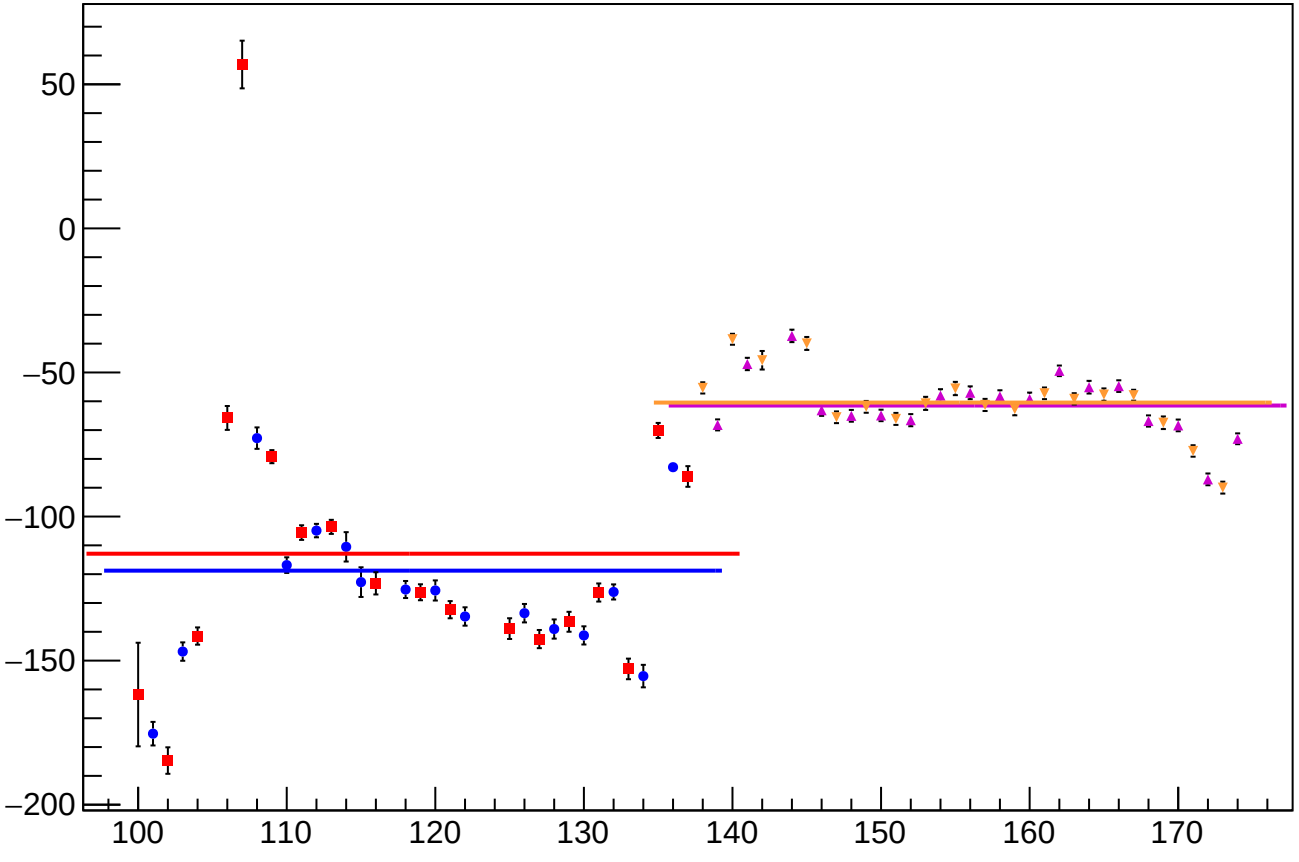
+ sign 2.916+/-0.401 χ^2/NDF: 5283.1/33

All: 2.747+/-0.279 χ^2/NDF: 10490.7/69

- sign 2.589+/-0.387 χ^2/NDF: 5207.2/35


reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 2.265+/-0.701 χ²/NDF: 152.0/15
Left Out: 0.985+/-0.354 χ²/NDF:161.0/17
Right Out: 2.651+/-0.715 χ²/NDF: 107.2/17
Left In: 1.174+/-0.354 χ²/NDF:133.0/17
+ sign 1.244+/-0.316 χ²/NDF: 315.6/33
All: 1.354+/-0.224 χ²/NDF: 559.6/69
- sign 1.464+/-0.317 χ²/NDF: 243.7/35

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -60.450+/-0.497 χ^2/NDF:554.9/17

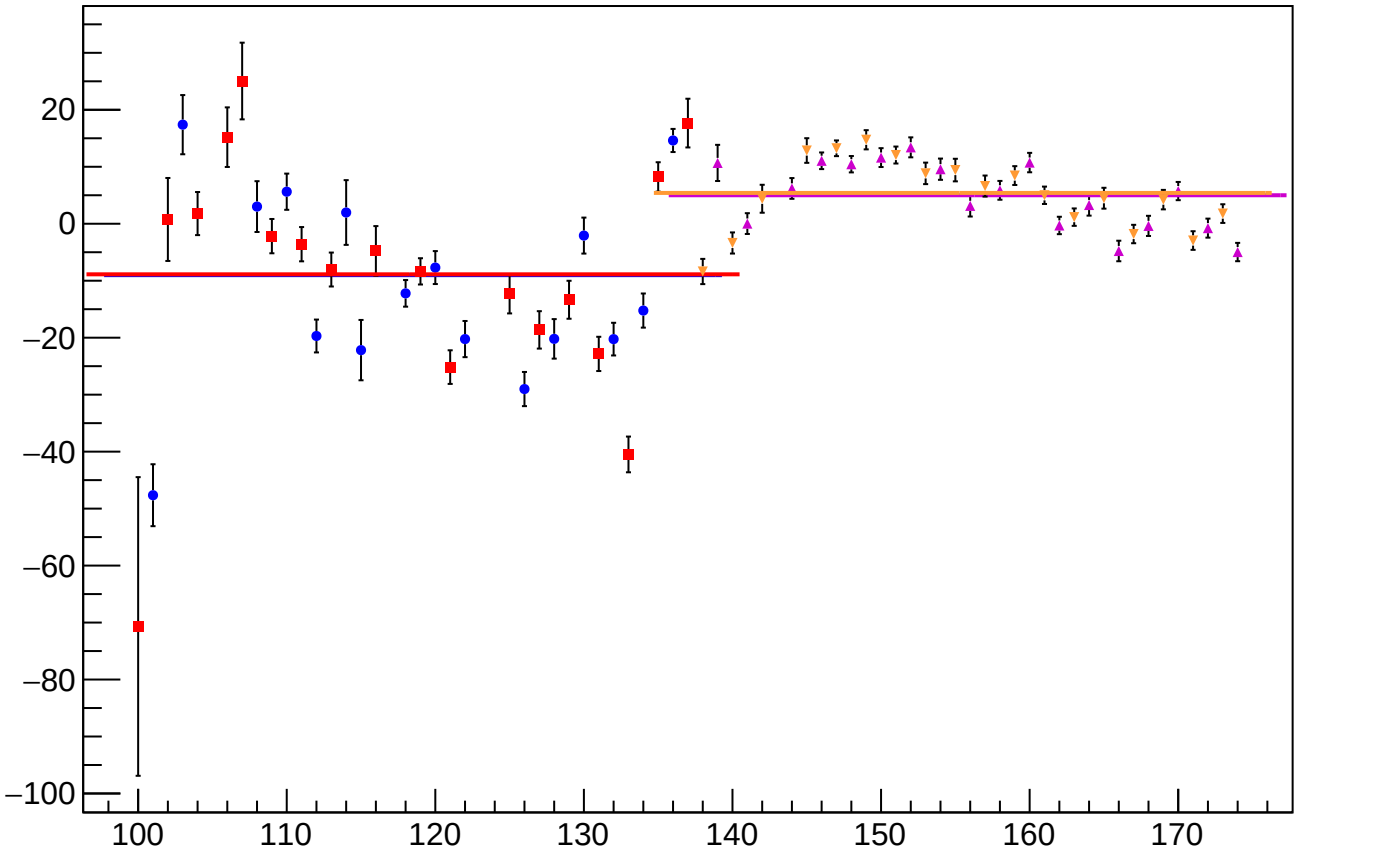
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -61.475+/-0.483 χ^2/NDF:480.1/17

\+ sign -78.000+/-0.415 χ^2/NDF: 5826.9/33

All: -77.105+/-0.291 χ^2/NDF: 11434.5/69

\- 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: 5.410+/-0.407 χ^2/NDF:227.1/17

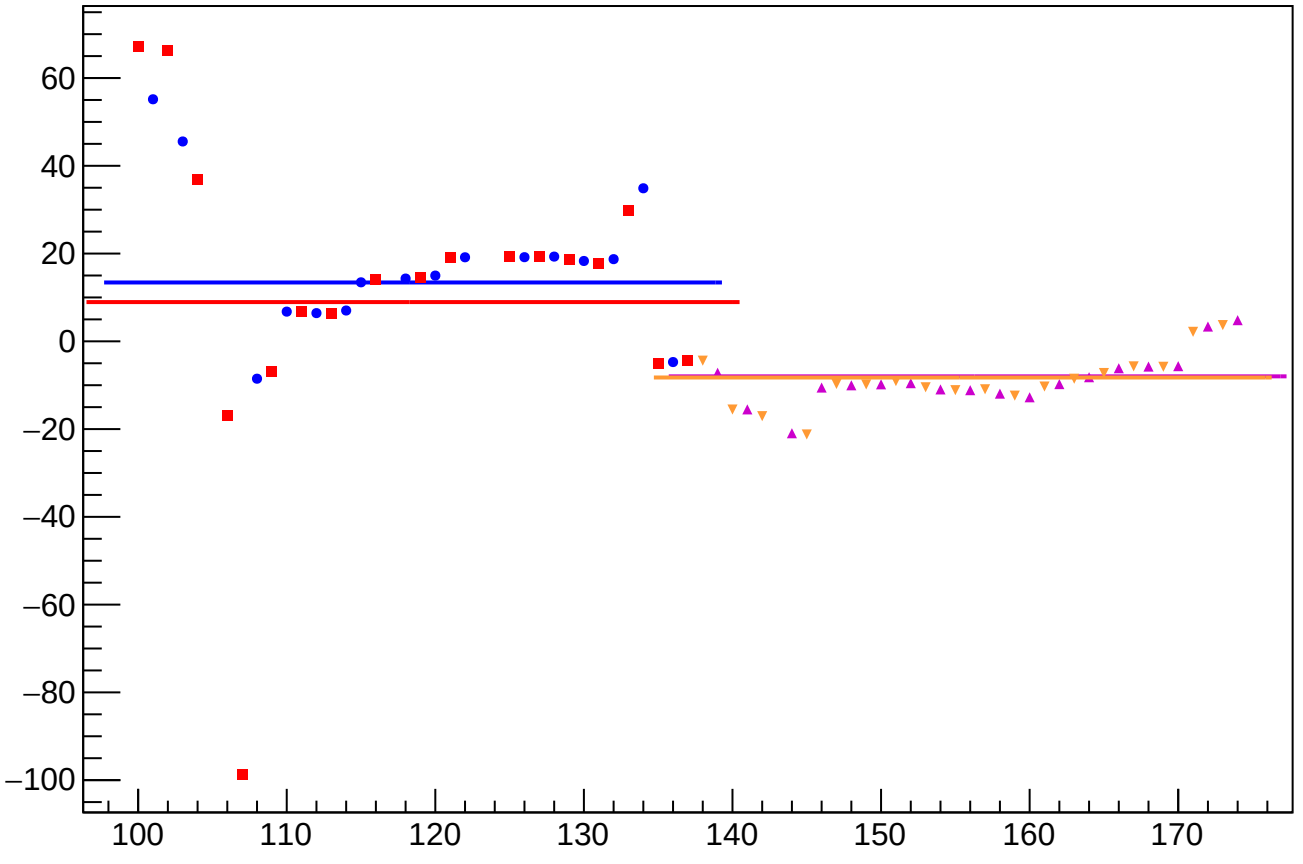
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 5.001+/-0.405 χ^2/NDF:202.3/17

+ sign 2.414+/-0.363 χ^2/NDF: 845.7/33

All: 2.323+/-0.256 χ^2/NDF: 1601.6/69

- 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: -8.243+/-0.018 χ^2/NDF:97941.6/17

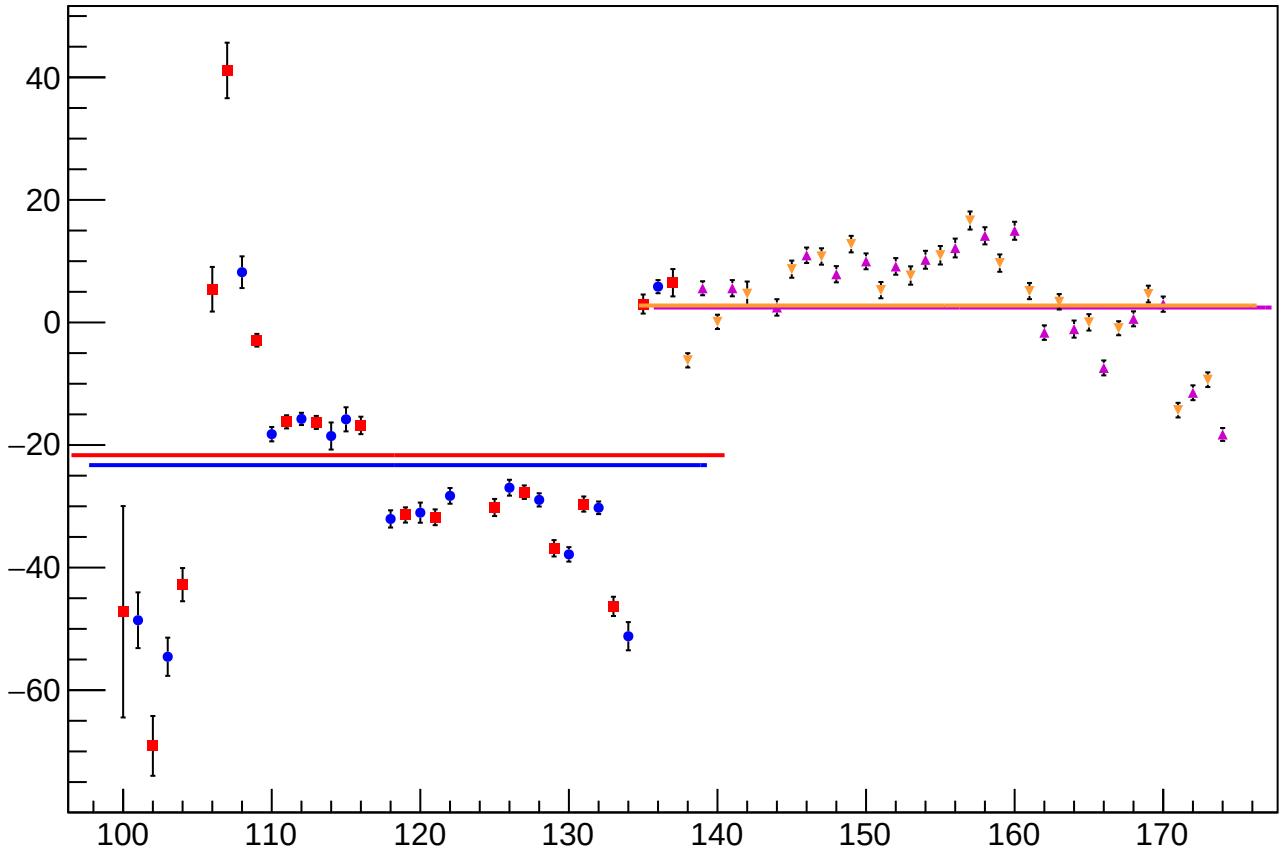
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -7.980+/-0.018 χ^2/NDF:104864.0/17

+ sign -5.190+/-0.017 χ^2/NDF: 478107.9/33

All: -5.547+/-0.012 χ^2/NDF: 986685.4/69

- 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: 2.766+/-0.313 χ^2/NDF:656.0/17

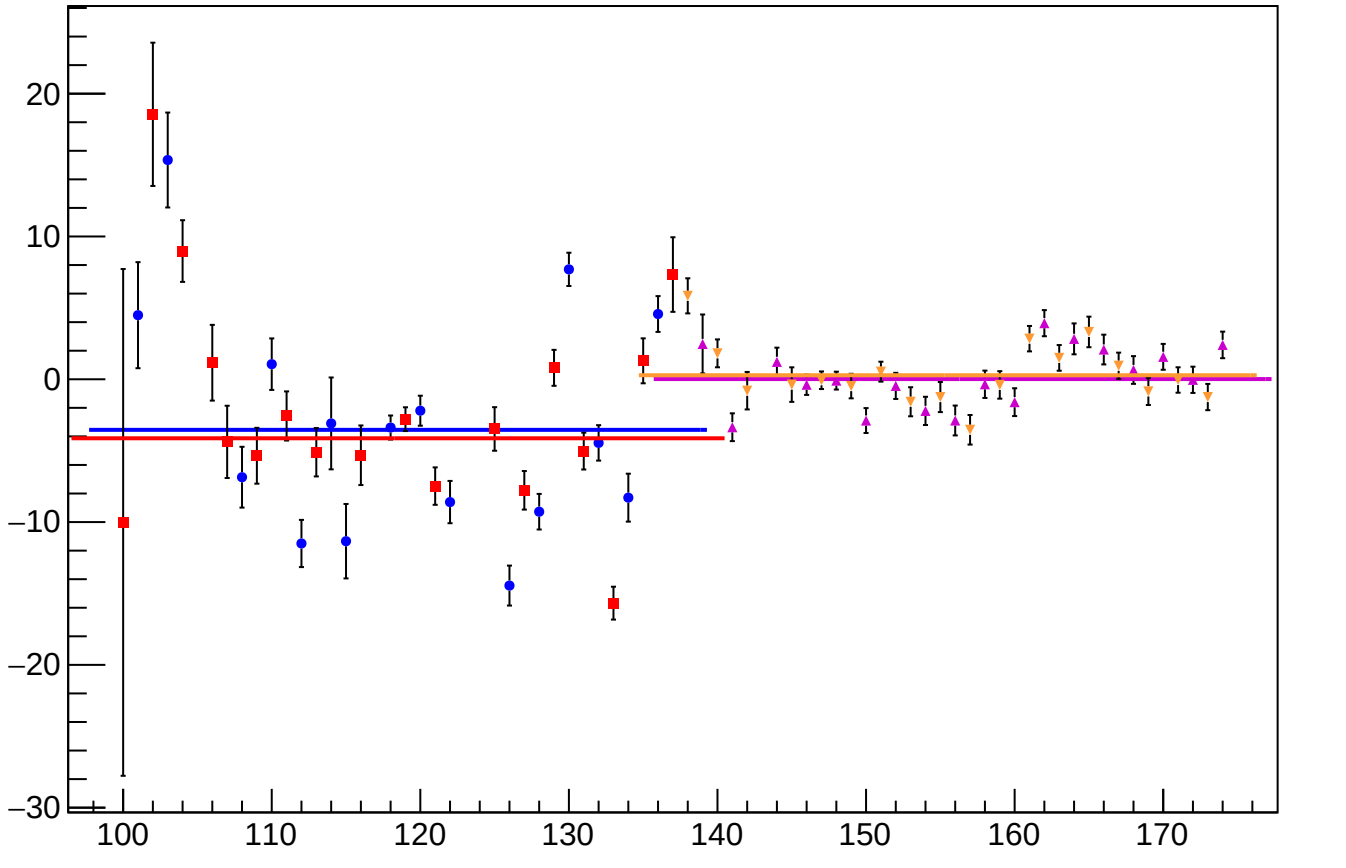
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 2.435+/-0.303 χ^2/NDF:947.8/17

+ sign -8.796+/-0.233 χ^2/NDF: 5296.8/33

All: -8.384+/-0.163 χ^2/NDF: 10794.7/69

- 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: 0.283+/-0.218 χ^2/NDF:67.7/17

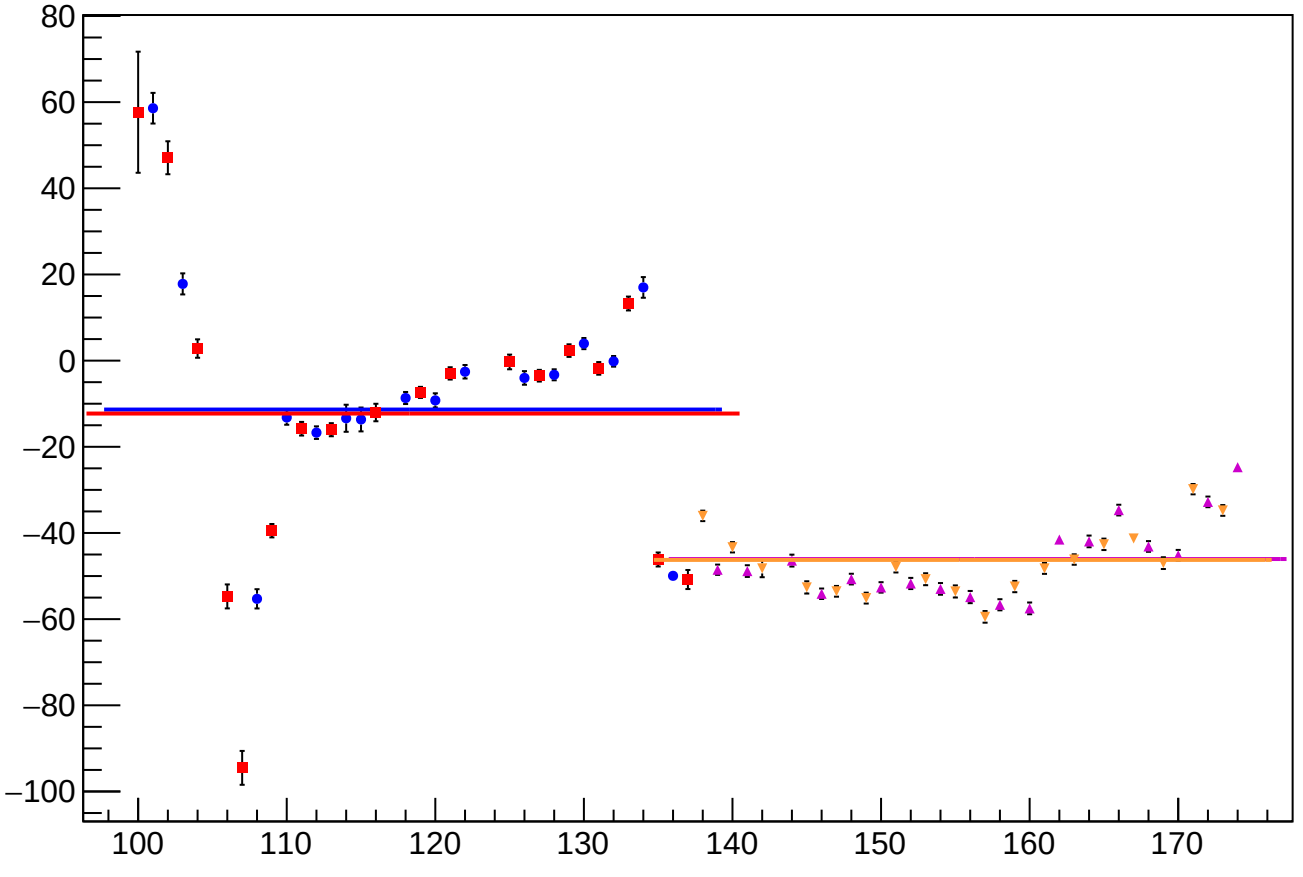
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 0.015+/-0.218 χ^2/NDF:81.3/17

\+ sign -0.733+/-0.187 χ^2/NDF: 466.1/33

All: -0.892+/-0.133 χ^2/NDF: 869.3/69

\- 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: -46.250+/-0.307 χ^2/NDF:637.9/17

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

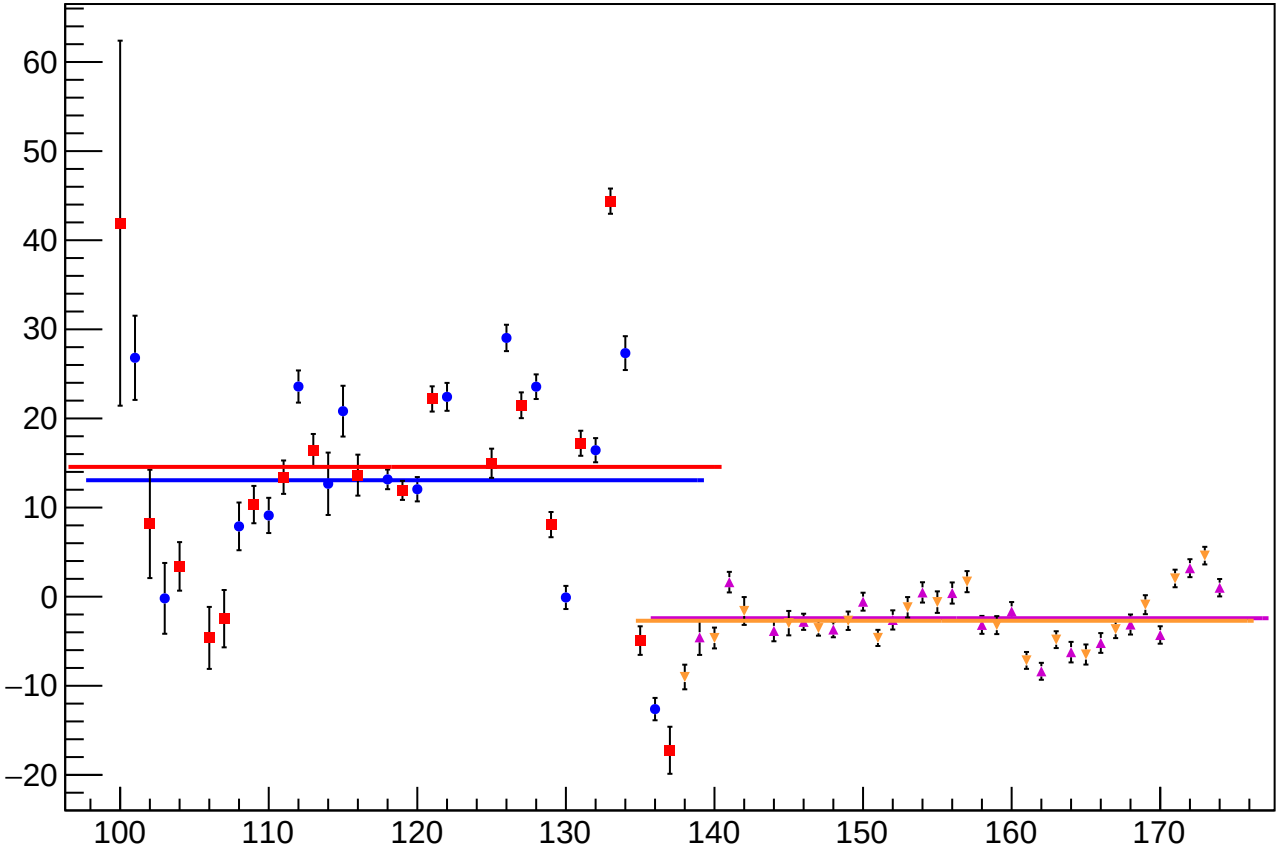
Left In: -46.046+/-0.298 χ^2/NDF:896.3/17

+ sign -33.552+/-0.245 χ^2/NDF: 8005.9/33

All: -34.015+/-0.172 χ^2/NDF: 15888.4/69

- 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: -2.703+/-0.251 χ^2/NDF:168.4/17

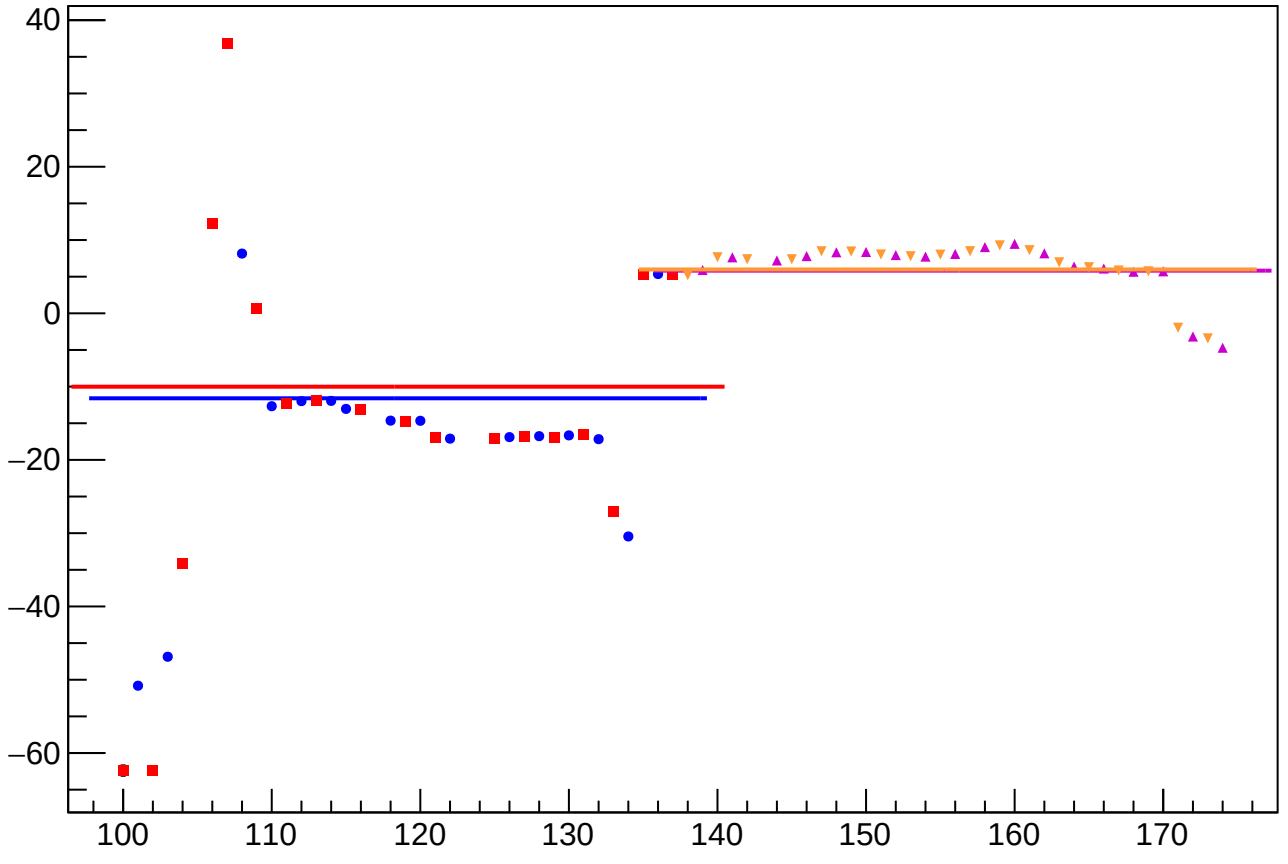
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.418+/-0.250 χ^2/NDF:138.0/17

\+ sign 1.529+/-0.215 χ^2/NDF: 2089.6/33

All: 1.752+/-0.152 χ^2/NDF: 4330.2/69

\- 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: 5.985+/-0.011 χ^2/NDF:108694.4/17

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

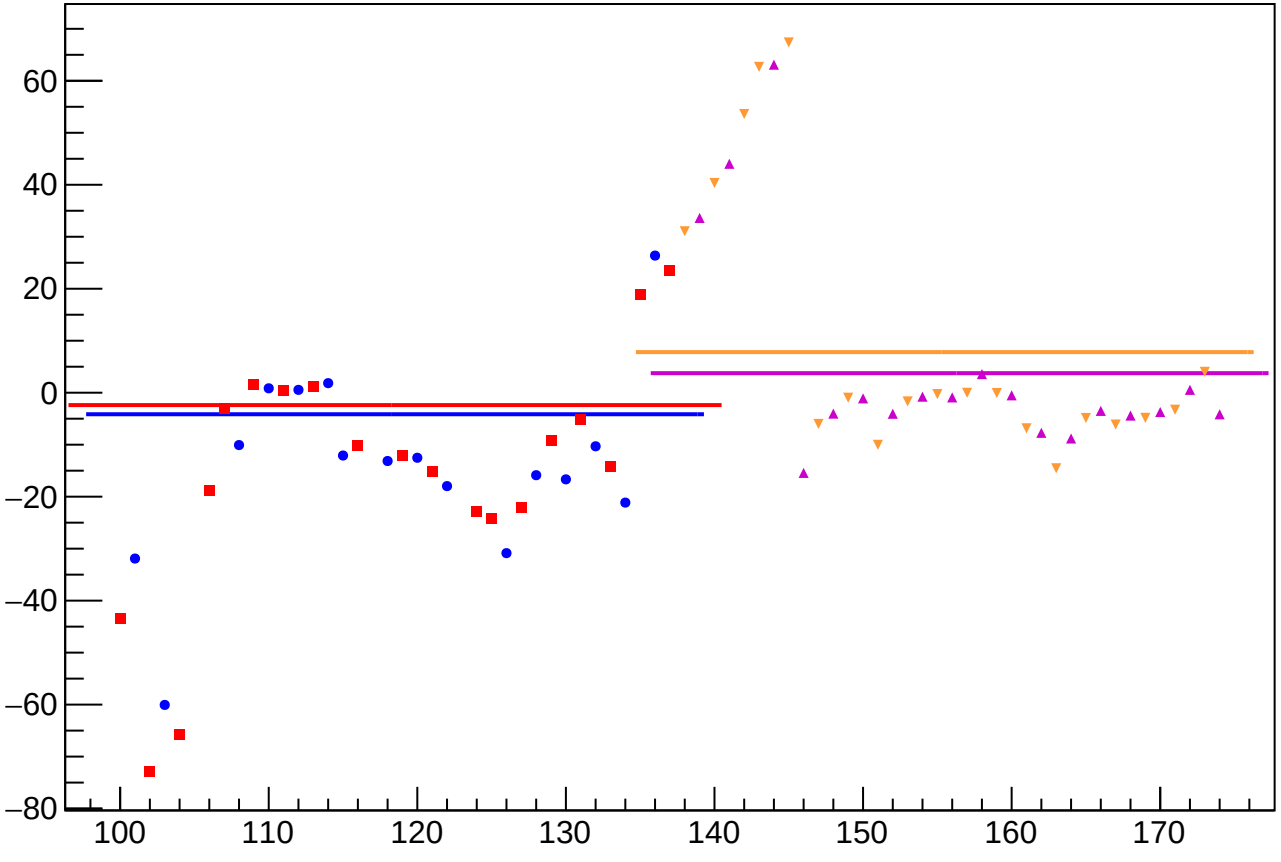
Left In: 5.822+/-0.011 χ^2/NDF:142040.0/17

+ sign 3.234+/-0.010 χ^2/NDF: 845863.5/33

All: 3.437+/-0.007 χ^2/NDF: 1671755.7/69

- 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: 7.810+/-0.055 χ^2/NDF:155202.2/18

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

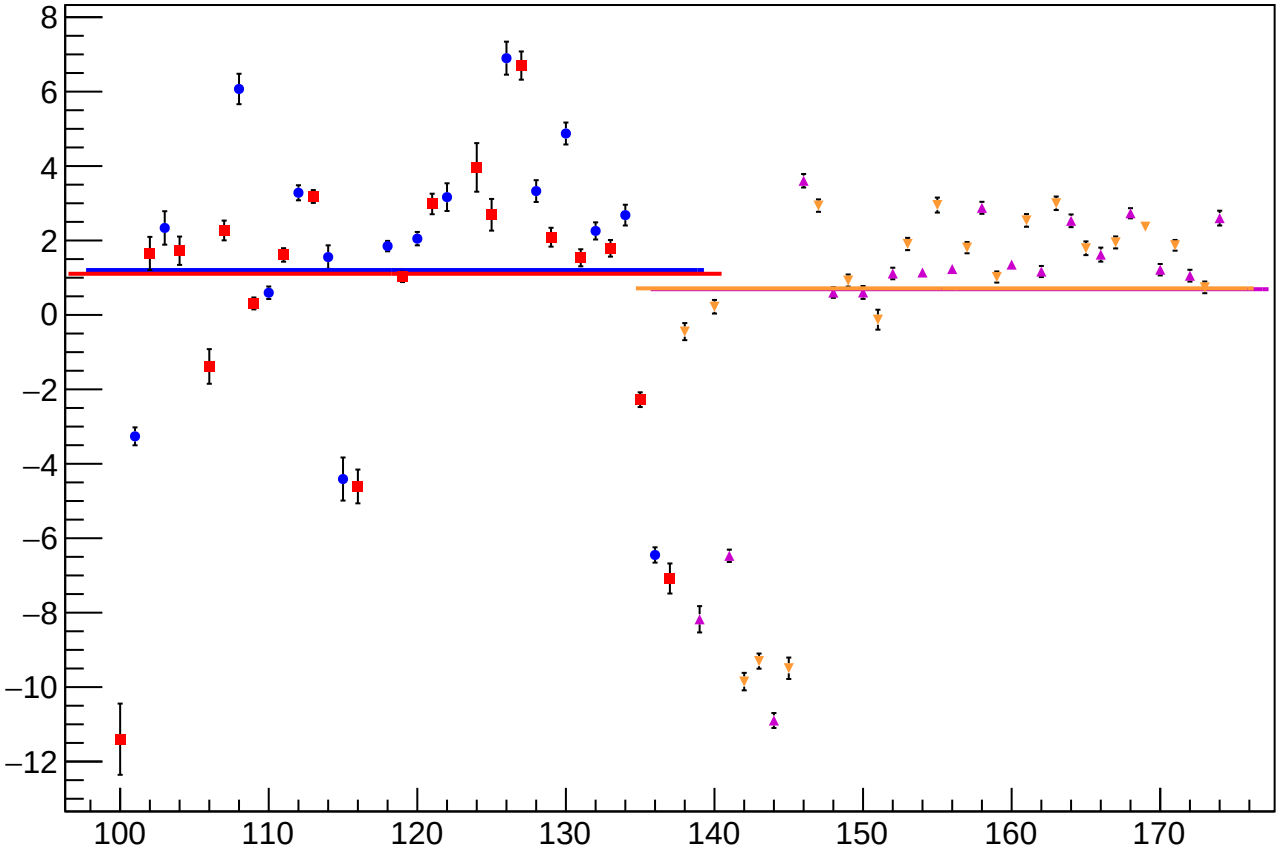
Left In: 3.759+/-0.050 χ^2/NDF:123127.0/17

+ sign 1.747+/-0.039 χ^2/NDF: 254023.0/34

All: 1.017+/-0.026 χ^2/NDF: 466736.2/71

- 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: 0.714+/-0.040 χ^2/NDF:6736.1/18

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

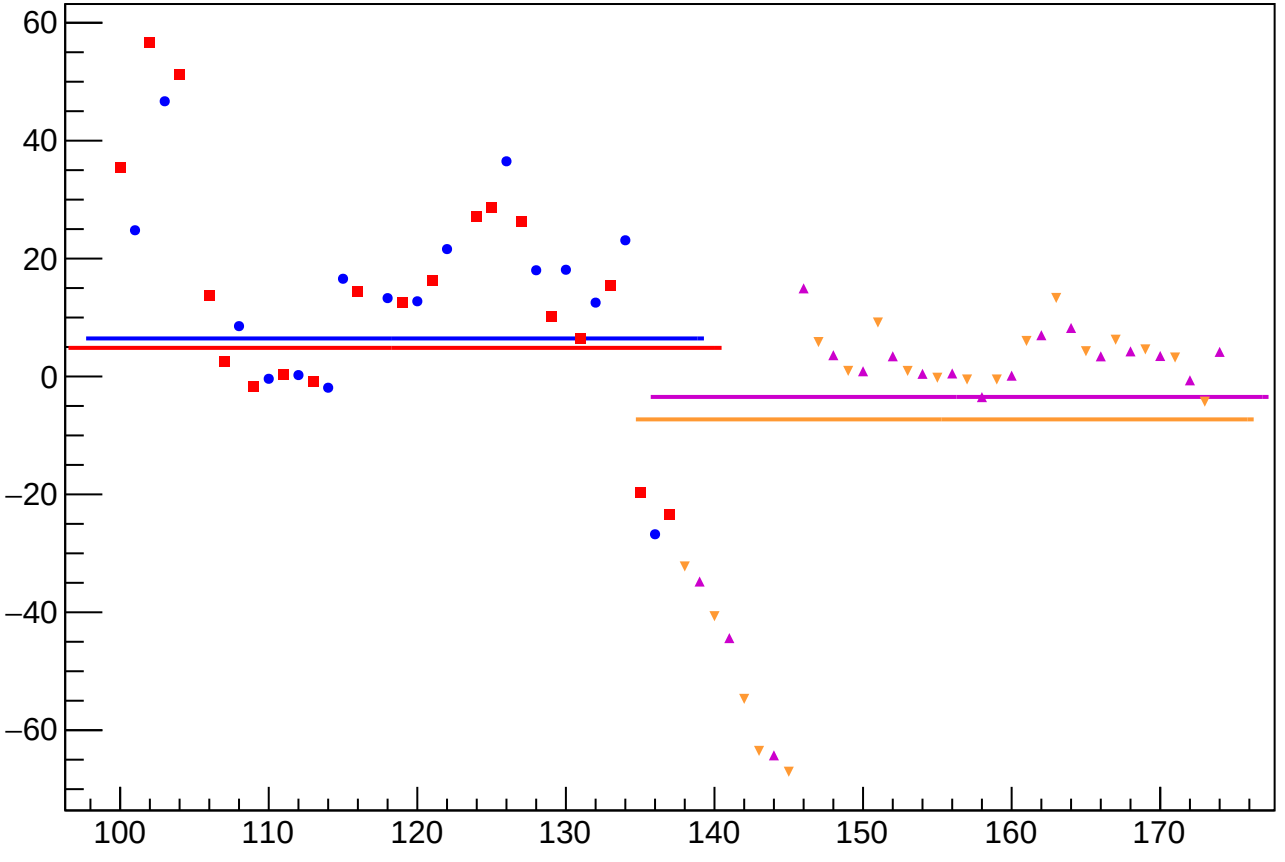
Left In: 0.691+/-0.036 χ^2/NDF:6821.9/17

+ sign 0.866+/-0.034 χ^2/NDF: 9366.4/34

All: 0.835+/-0.023 χ^2/NDF: 17814.7/71

- 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: -7.277+/-0.055 χ^2/NDF:150835.3/18

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

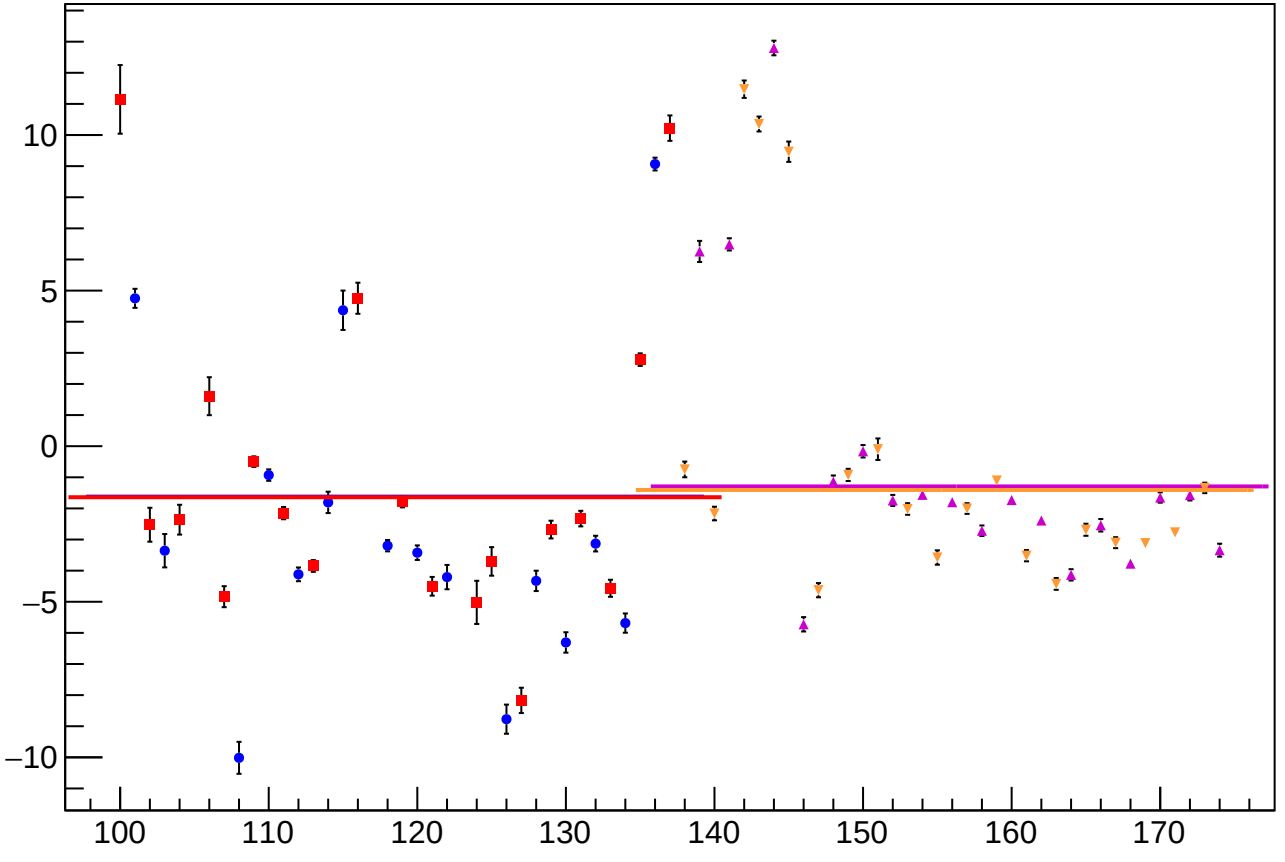
Left In: -3.468+/-0.048 χ^2/NDF:120360.1/17

+ sign -1.624+/-0.042 χ^2/NDF: 247584.6/34

All: -0.801+/-0.028 χ^2/NDF: 455792.2/71

- 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: -1.407+/-0.045 χ^2/NDF:6708.9/18

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

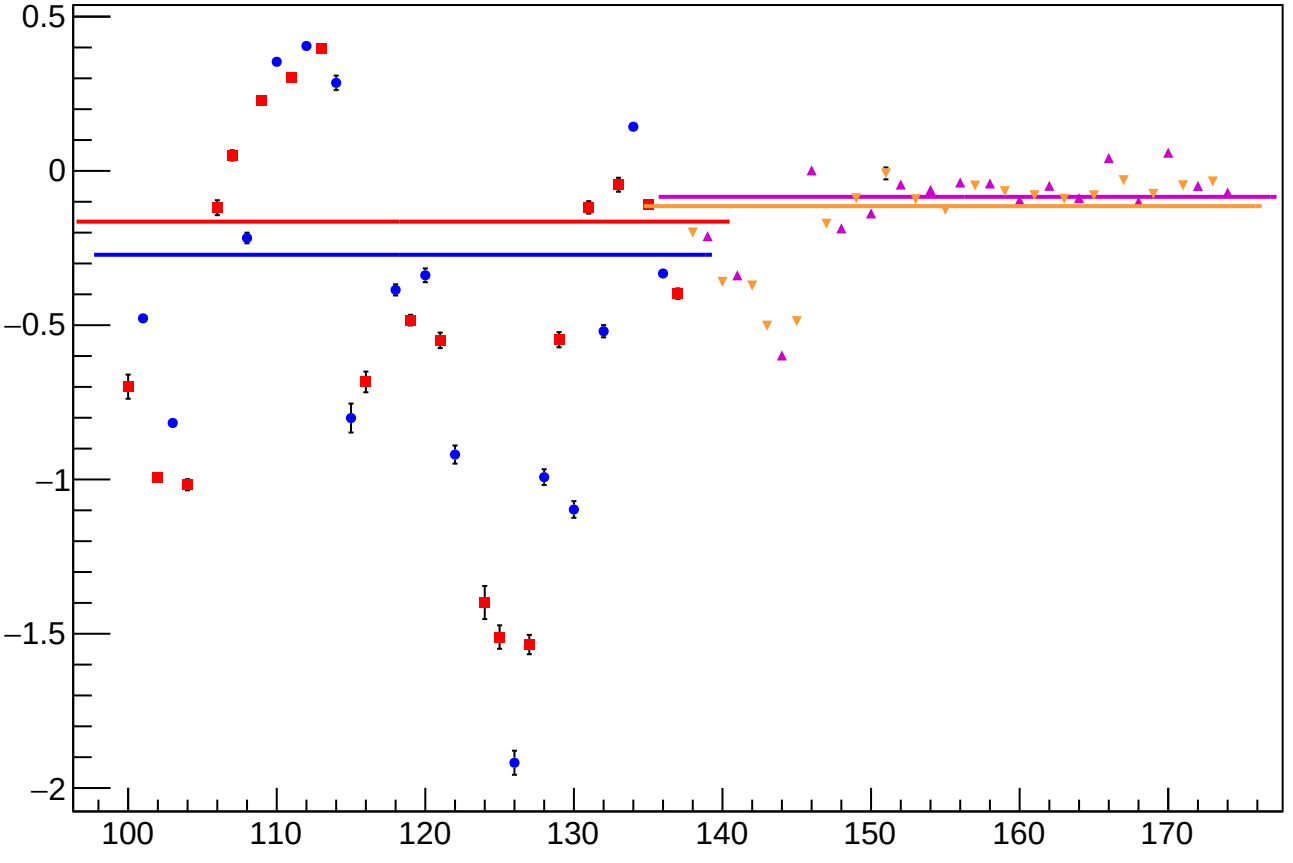
Left In: -1.294+/-0.041 χ^2/NDF:6836.7/17

+ sign -1.471+/-0.038 χ^2/NDF: 11240.9/34

All: -1.427+/-0.025 χ^2/NDF: 20562.7/71

- 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: -0.114+/-0.002 χ^2/NDF:3458.1/18

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

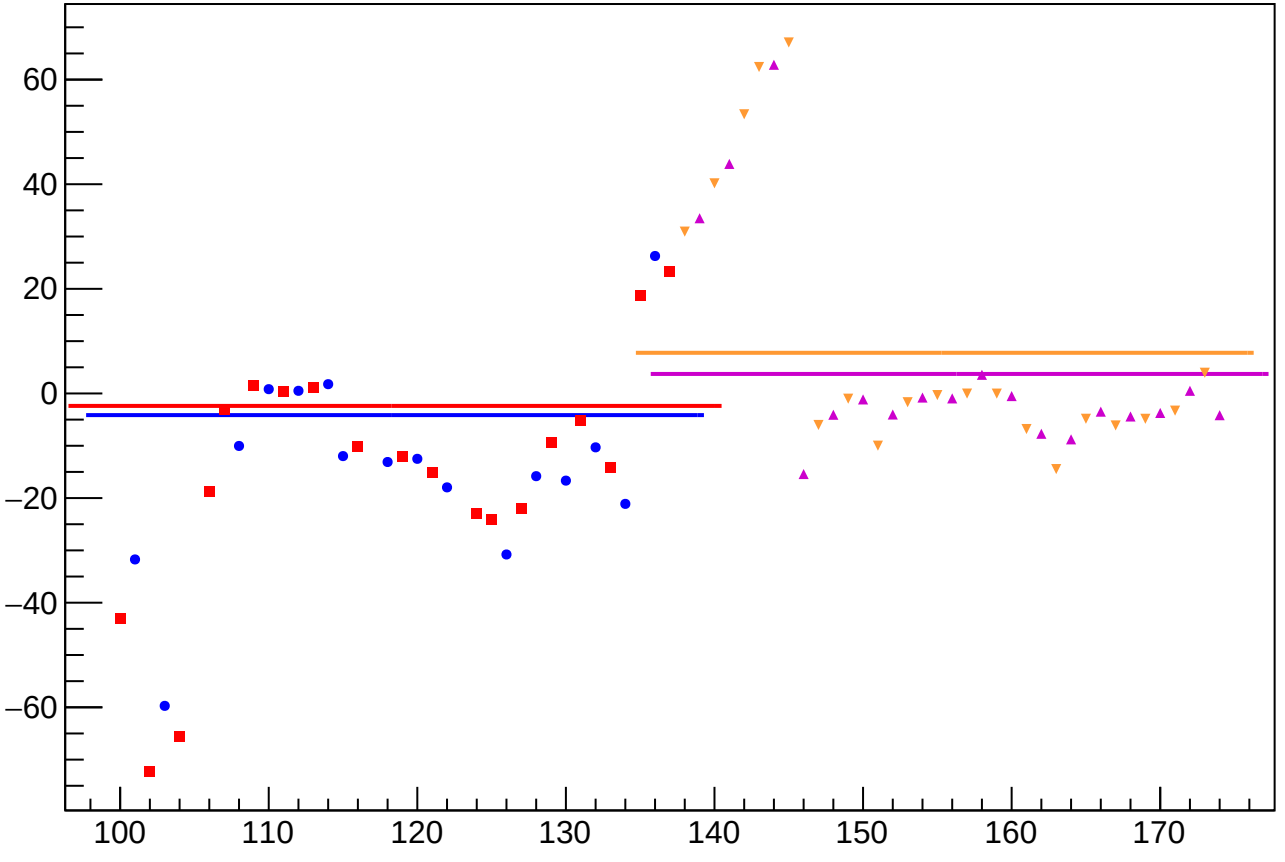
Left In: -0.084+/-0.002 χ^2/NDF:3685.7/17

+ sign -0.143+/-0.002 χ^2/NDF: 16677.6/34

All: -0.118+/-0.001 χ^2/NDF: 36601.0/71

- 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: 7.773+/-0.055 χ^2/NDF:154952.6/18

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

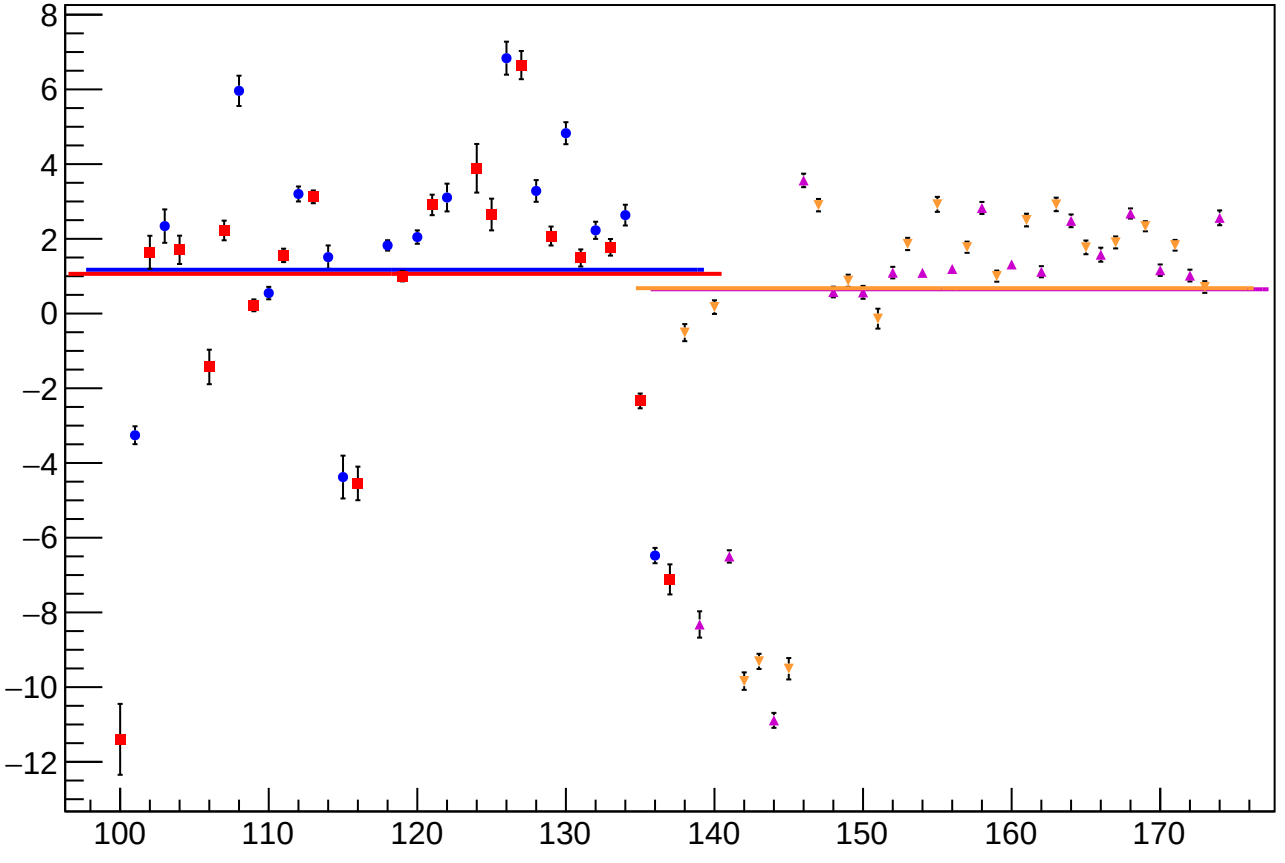
Left In: 3.730+/-0.049 χ^2/NDF:123016.0/17

+ sign 1.713+/-0.039 χ^2/NDF: 253796.9/34

All: 0.989+/-0.025 χ^2/NDF: 466305.0/71

- 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: 0.679+/-0.040 χ^2/NDF:6740.0/18

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

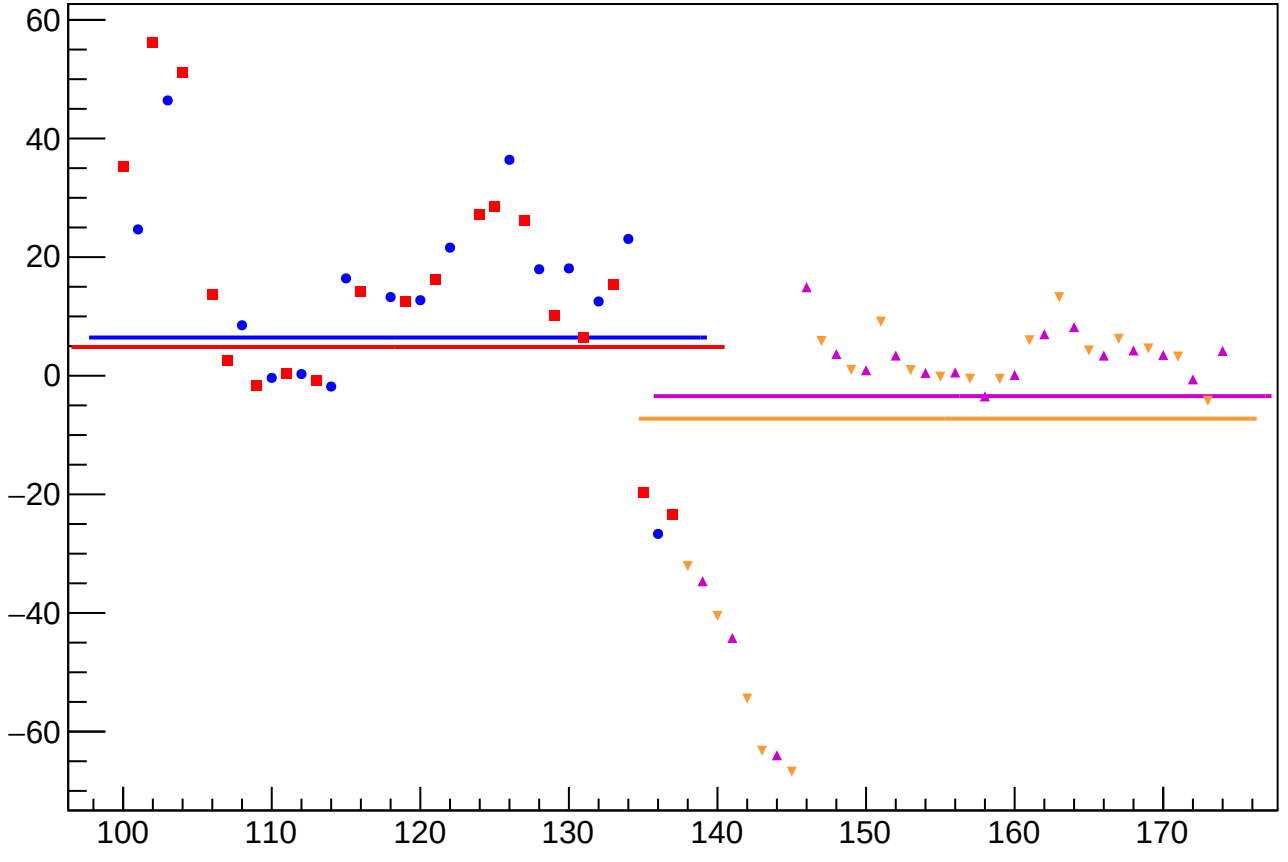
Left In: 0.649+/-0.036 χ^2/NDF:6838.3/17

+ sign 0.831+/-0.033 χ^2/NDF: 9371.1/34

All: 0.796+/-0.022 χ^2/NDF: 17845.6/71

- 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: -7.242+/-0.054 χ^2/NDF:150592.2/18

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

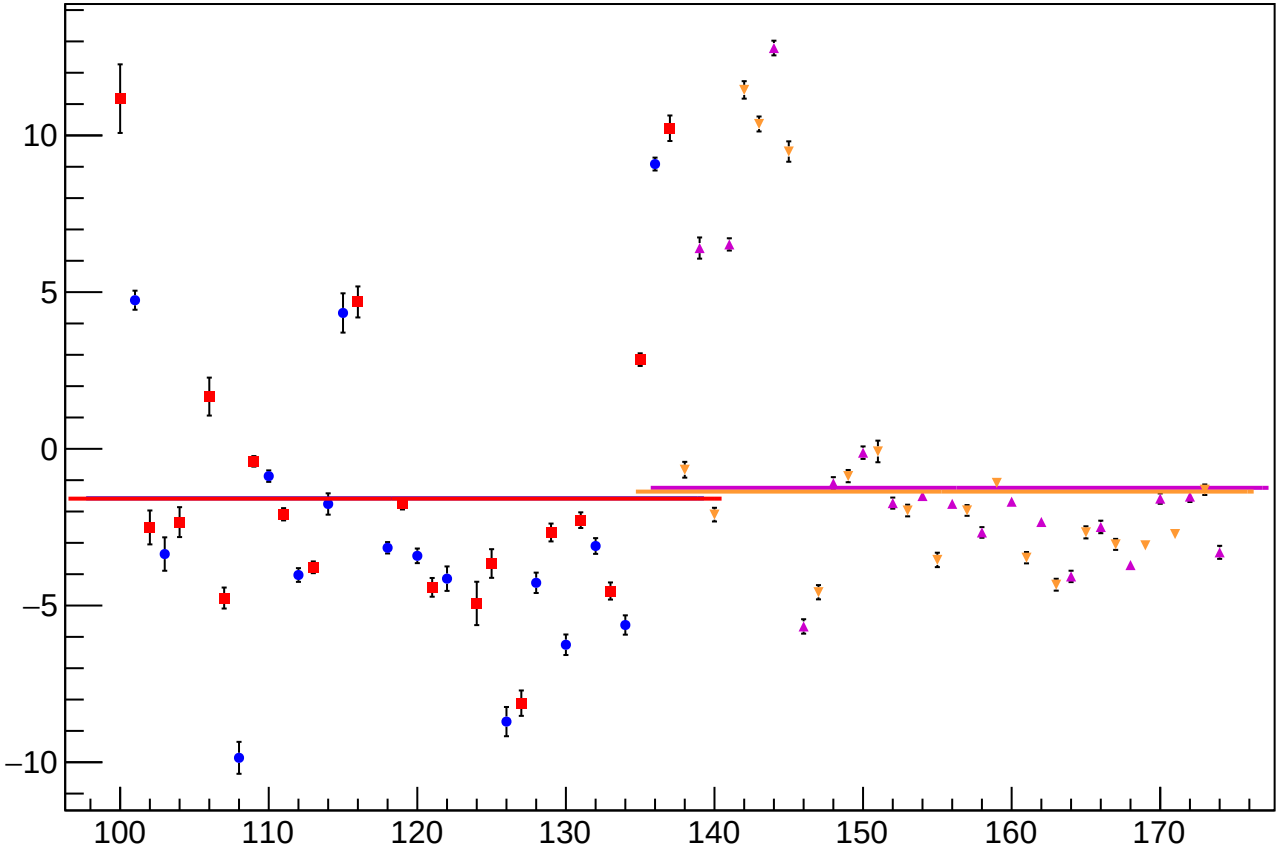
Left In: -3.439+/-0.048 χ^2/NDF:120246.8/17

+ sign -1.591+/-0.042 χ^2/NDF: 247358.6/34

All: -0.772+/-0.028 χ^2/NDF: 455354.5/71

- 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: -1.365+/-0.045 χ^2/NDF:6707.6/18

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

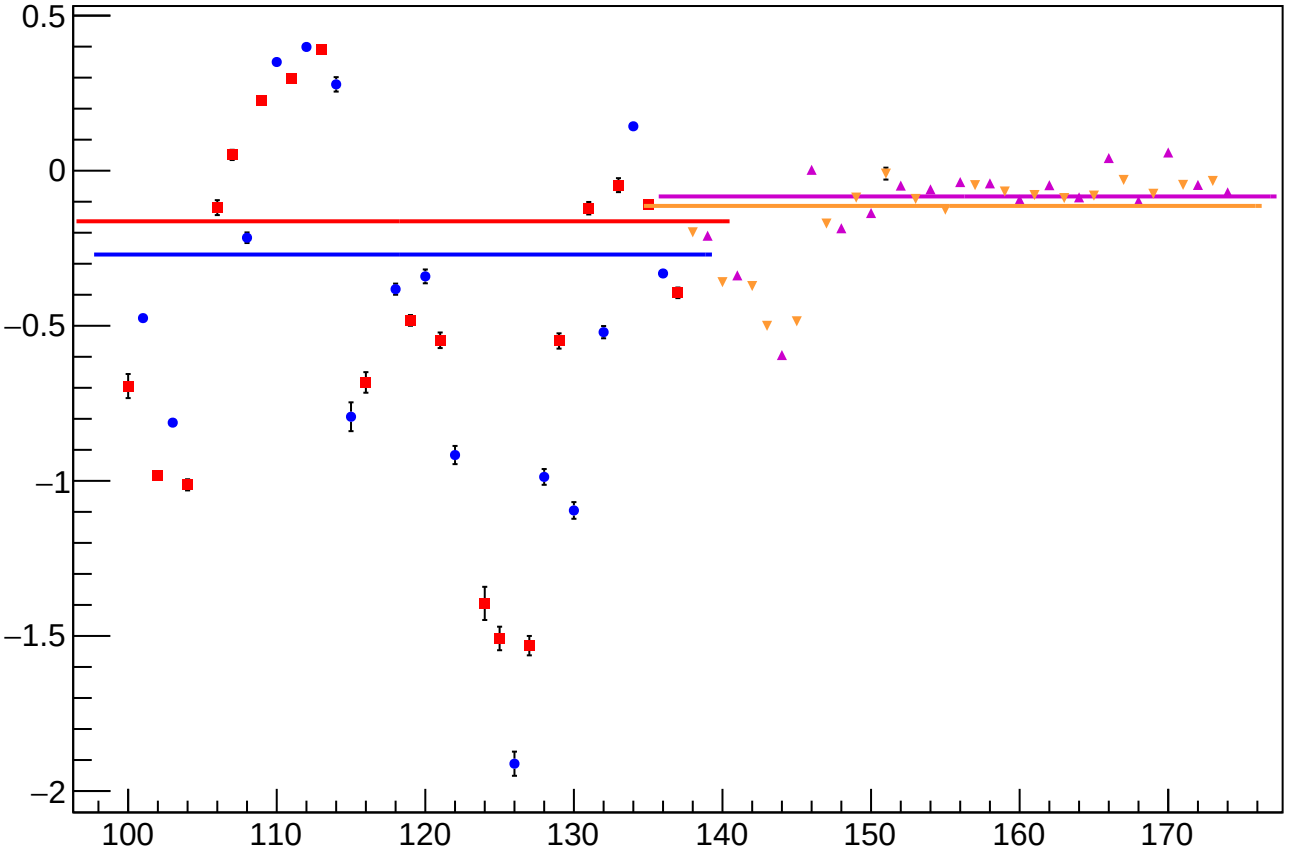
Left In: -1.244+/-0.040 χ^2/NDF:6851.4/17

+ sign -1.429+/-0.038 χ^2/NDF: 11238.6/34

All: -1.381+/-0.025 χ^2/NDF: 20585.8/71

- 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: -0.114+/-0.002 χ^2/NDF:3473.9/18

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

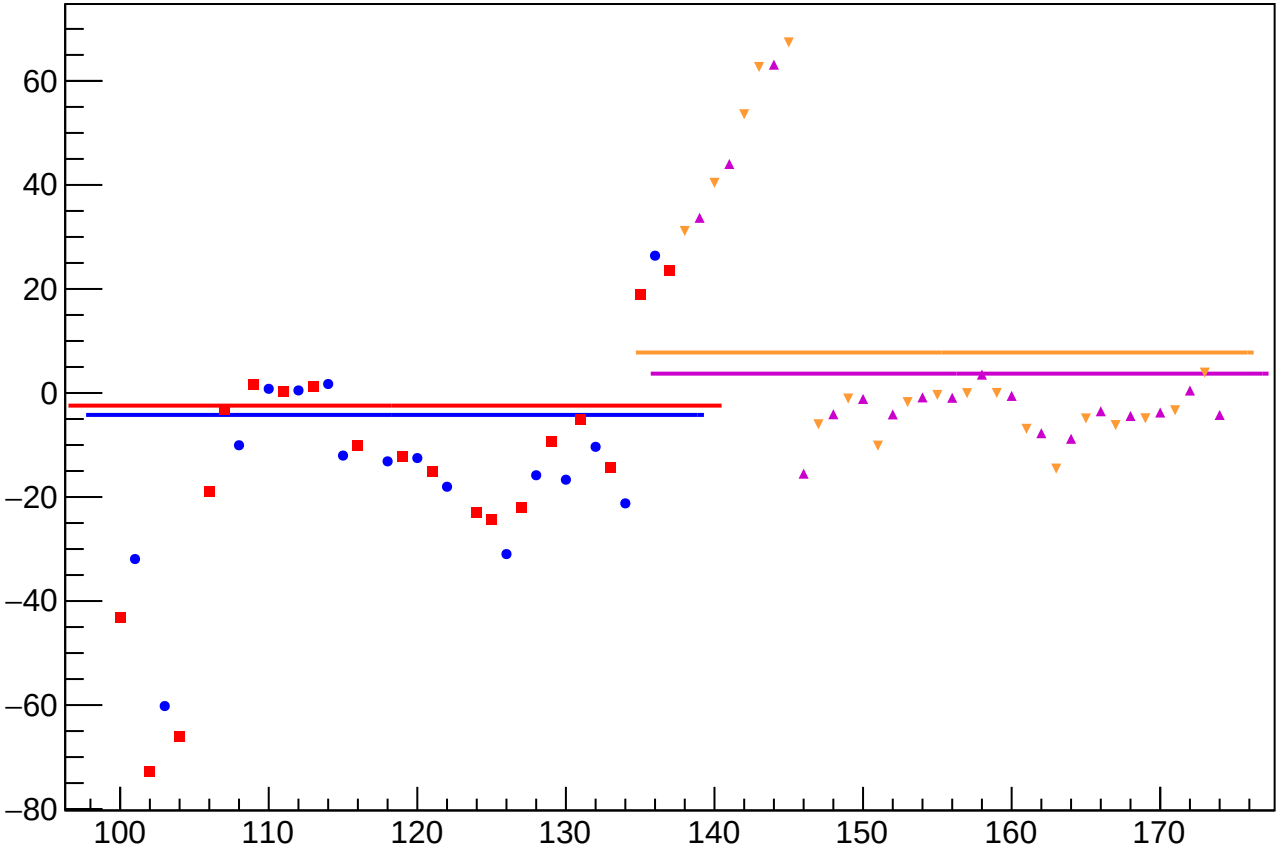
Left In: -0.083+/-0.002 χ^2/NDF:3669.8/17

+ sign -0.143+/-0.002 χ^2/NDF: 16679.6/34

All: -0.117+/-0.001 χ^2/NDF: 36609.5/71

- 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: 7.782+/-0.056 χ^2/NDF:155318.4/18

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

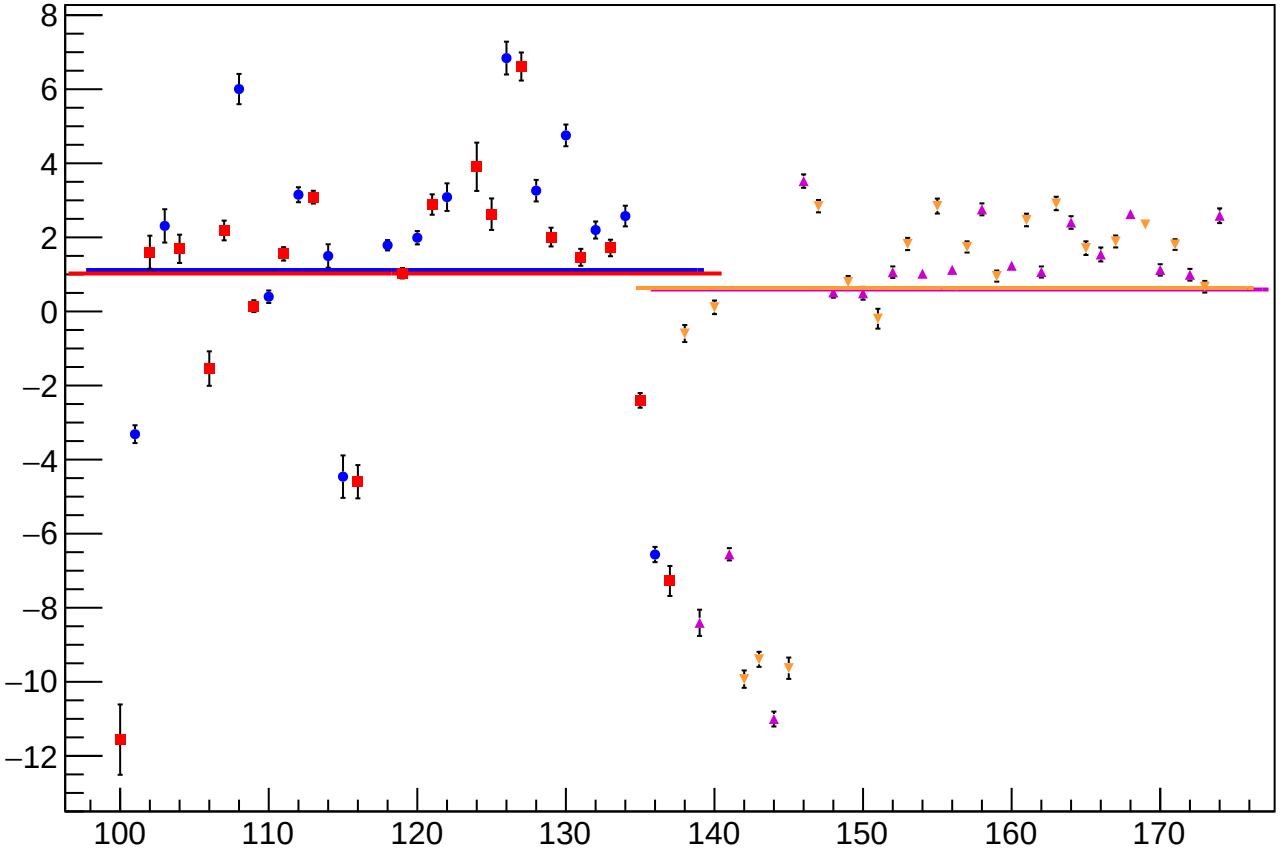
Left In: 3.721+/-0.050 χ^2/NDF:123148.6/17

+ sign 1.695+/-0.039 χ^2/NDF: 254218.9/34

All: 0.971+/-0.026 χ^2/NDF: 466924.6/71

- 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: 0.634+/-0.040 χ^2/NDF:6762.0/18

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

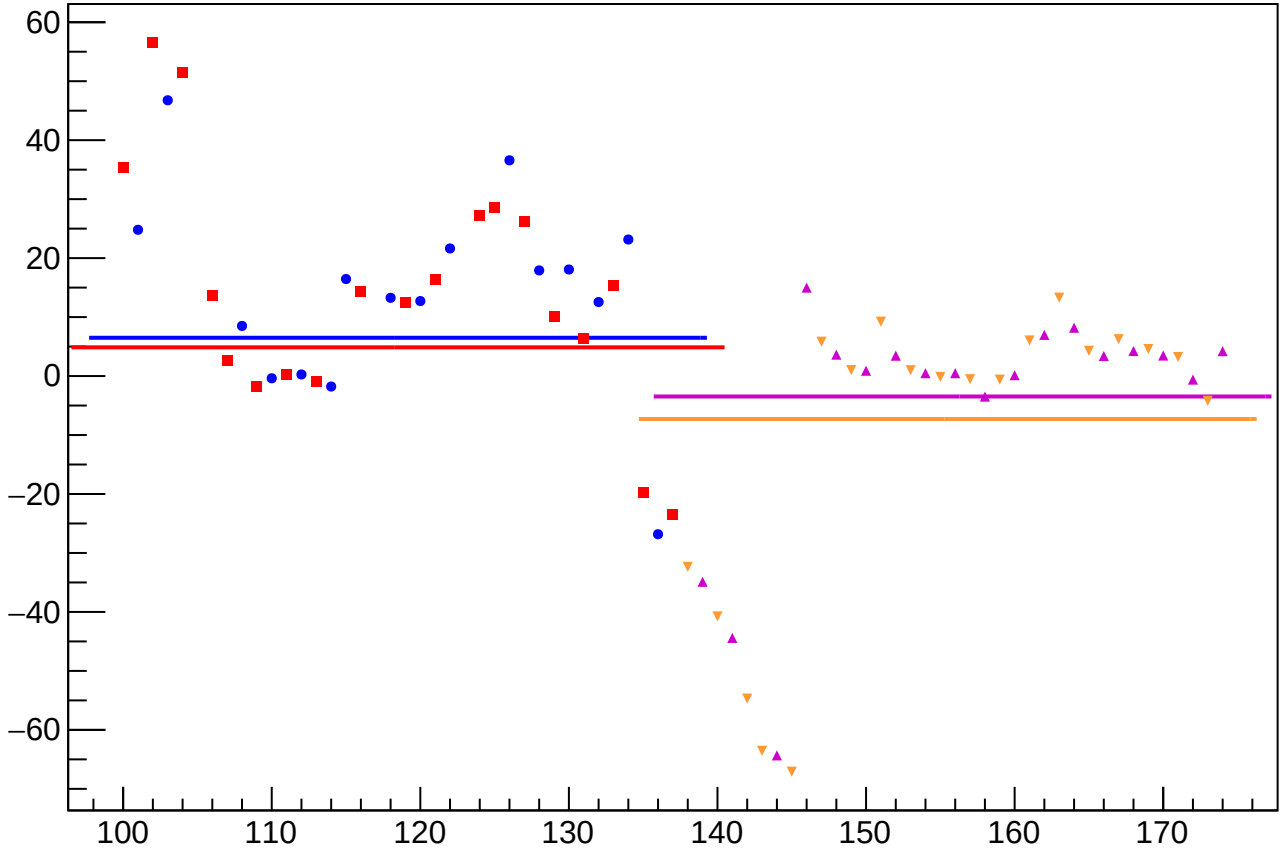
Left In: 0.592+/-0.036 χ^2/NDF:6825.0/17

+ sign 0.783+/-0.034 χ^2/NDF: 9398.1/34

All: 0.746+/-0.023 χ^2/NDF: 17878.2/71

- 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: -7.283+/-0.055 χ^2/NDF:150961.6/18

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

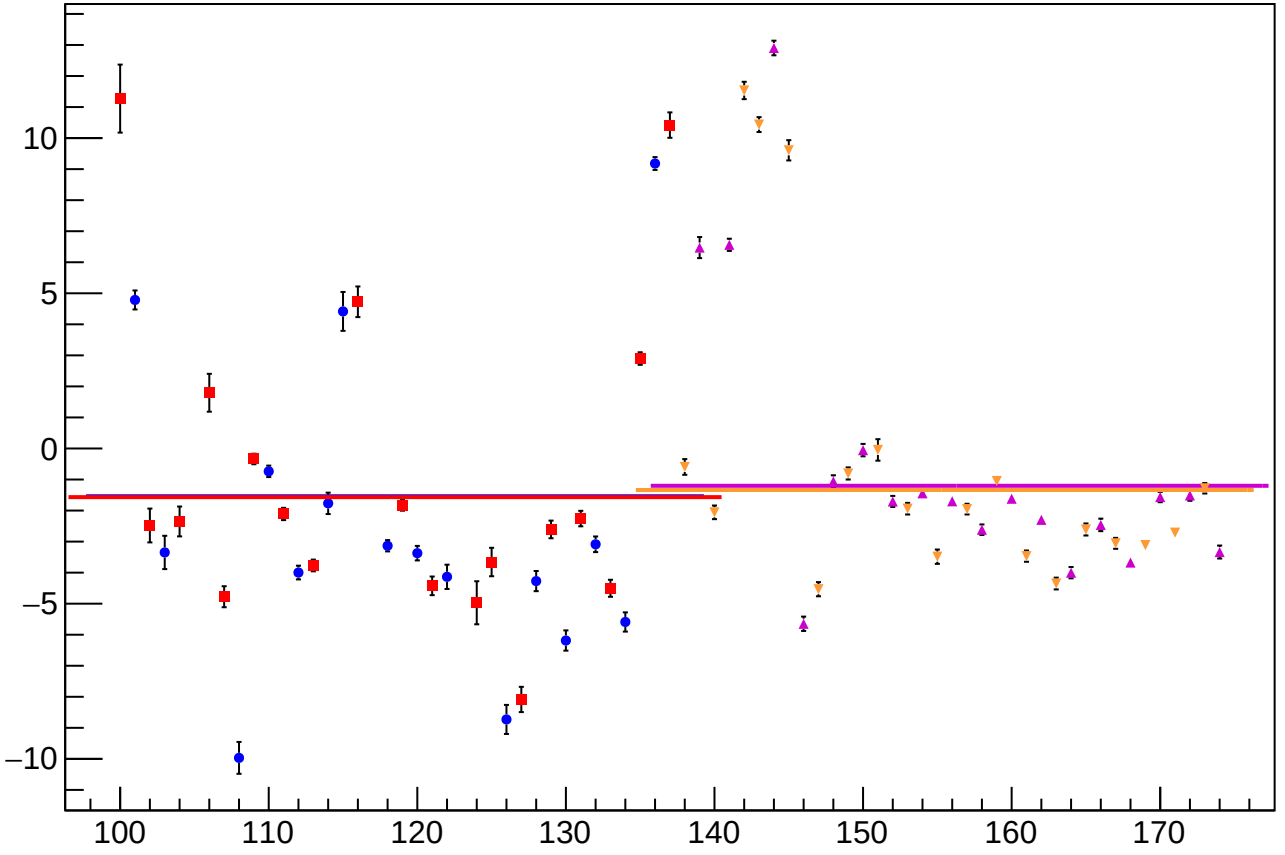
Left In: -3.466+/-0.048 χ^2/NDF:120388.1/17

+ sign -1.606+/-0.042 χ^2/NDF: 247806.3/34

All: -0.788+/-0.028 χ^2/NDF: 456048.2/71

- 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: -1.338+/-0.045 χ^2/NDF:6732.6/18

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

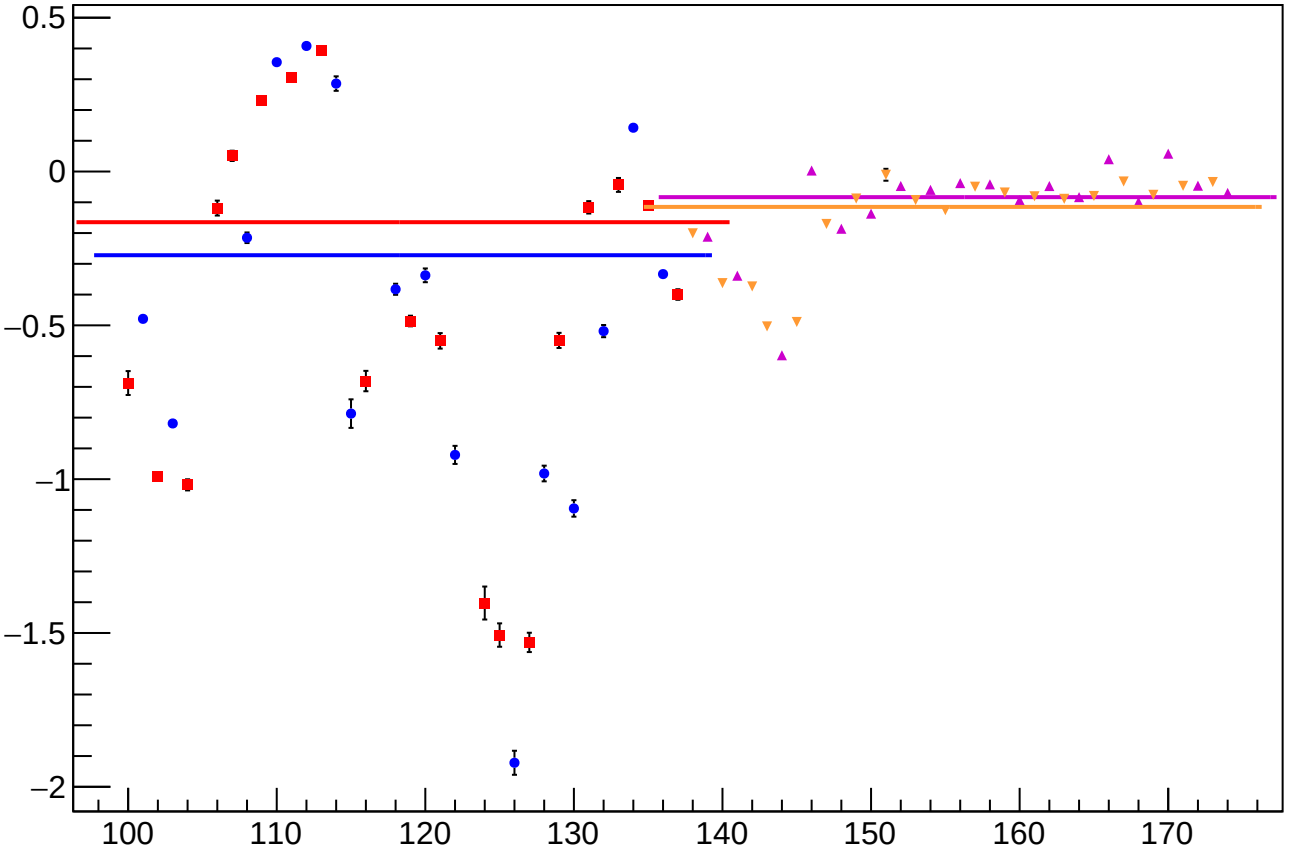
Left In: -1.202+/-0.041 χ^2/NDF:6842.4/17

+ sign -1.398+/-0.038 χ^2/NDF: 11274.4/34

All: -1.347+/-0.026 χ^2/NDF: 20640.1/71

- 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: -0.115+/-0.002 χ^2/NDF:3473.3/18

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

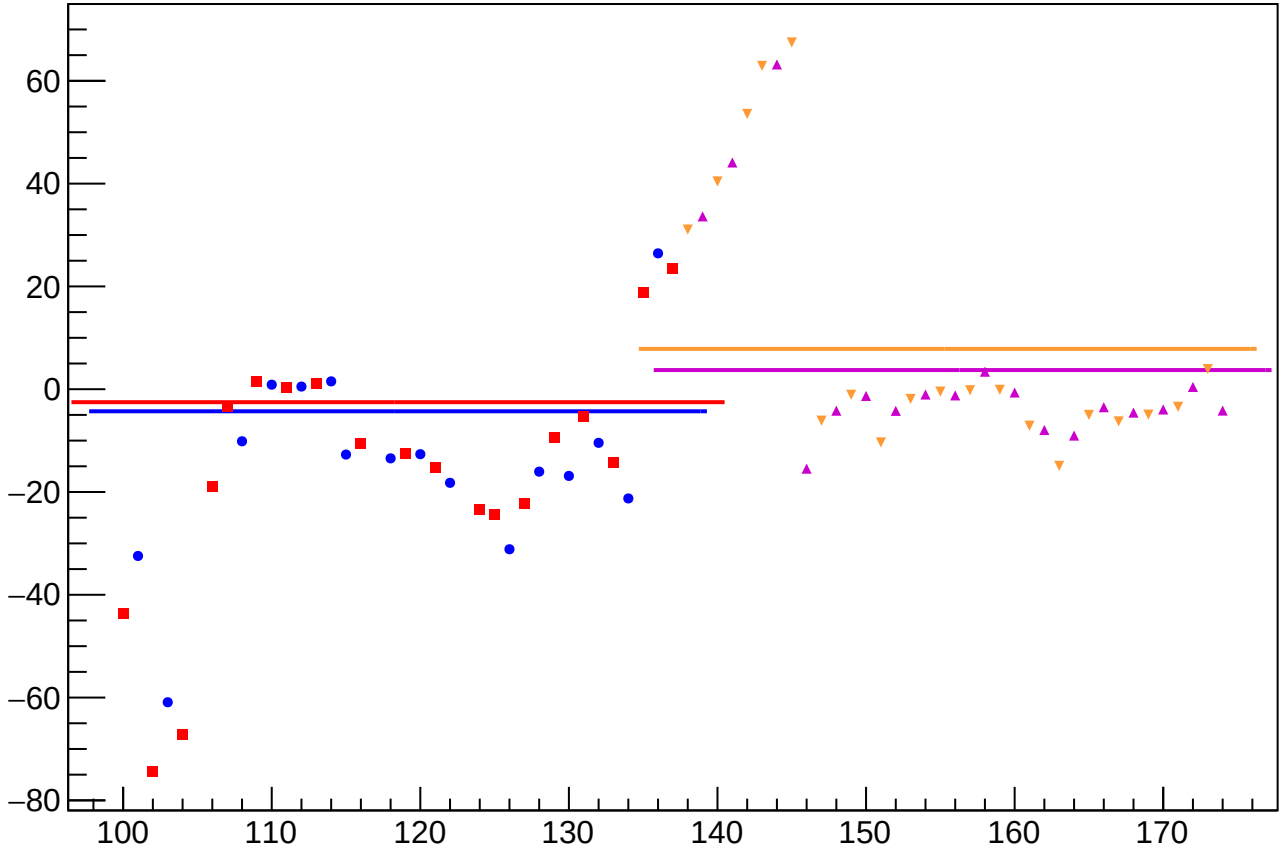
Left In: -0.083+/-0.002 χ^2/NDF:3666.6/17

+ sign -0.144+/-0.002 χ^2/NDF: 16698.3/34

All: -0.118+/-0.001 χ^2/NDF: 36627.1/71

- 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: 7.850+/-0.056 χ^2/NDF:153055.7/18

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

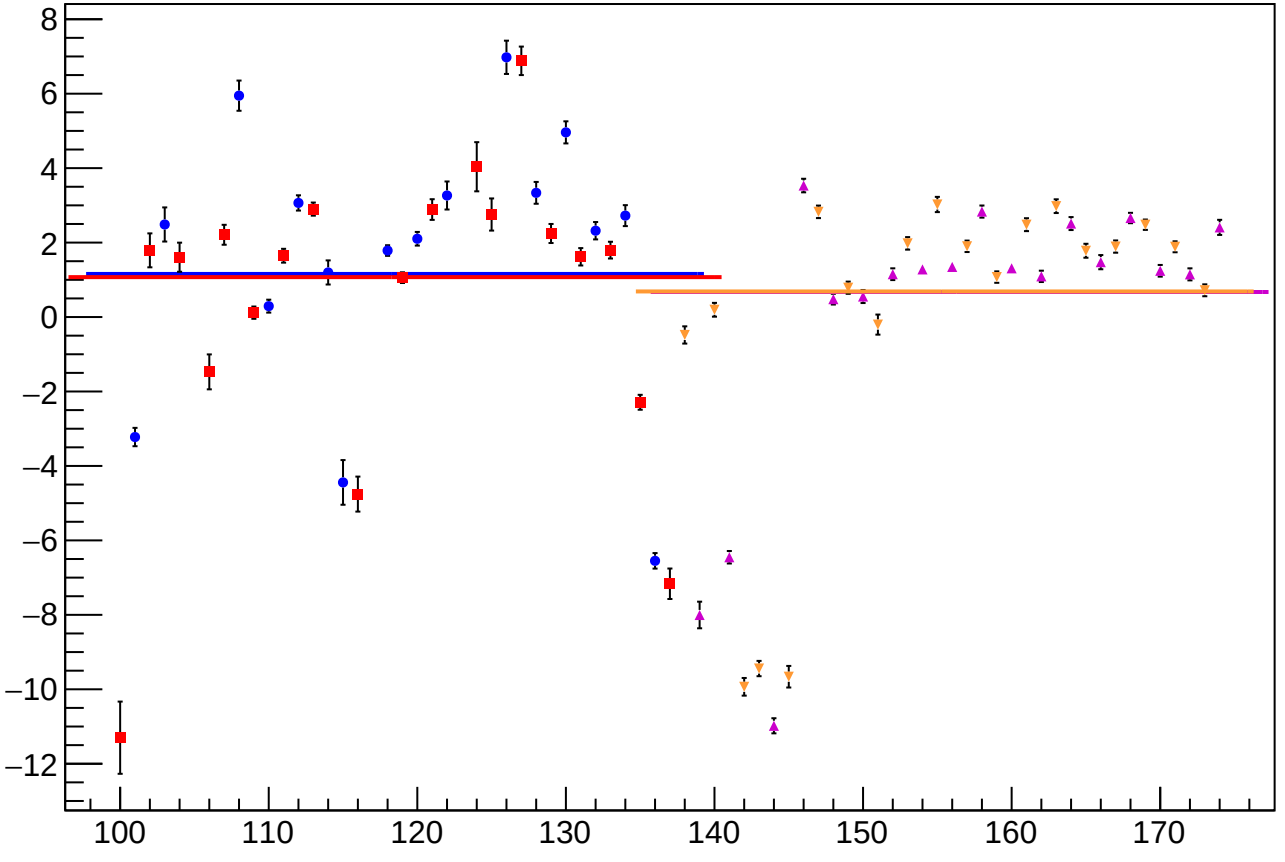
Left In: 3.724+/-0.051 χ^2/NDF:121172.5/17

+ sign 1.703+/-0.040 χ^2/NDF: 250730.1/34

All: 0.953+/-0.026 χ^2/NDF: 460562.7/71

- 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: 0.687+/-0.041 χ^2/NDF:6743.7/18

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

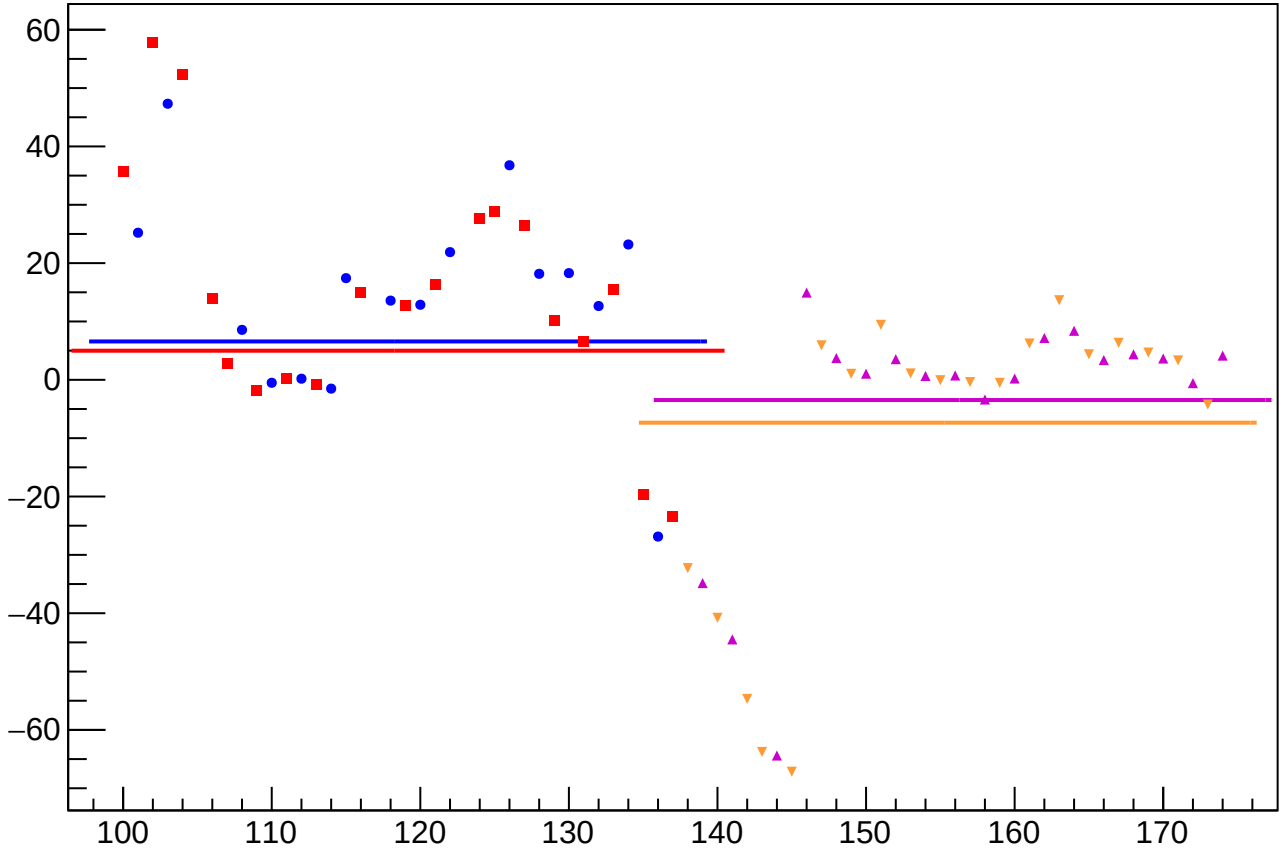
Left In: 0.673+/-0.037 χ^2/NDF:6641.1/17

+ sign 0.832+/-0.034 χ^2/NDF: 9334.1/34

All: 0.807+/-0.023 χ^2/NDF: 17561.1/71

- 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: -7.343+/-0.055 χ^2/NDF:148765.4/18

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

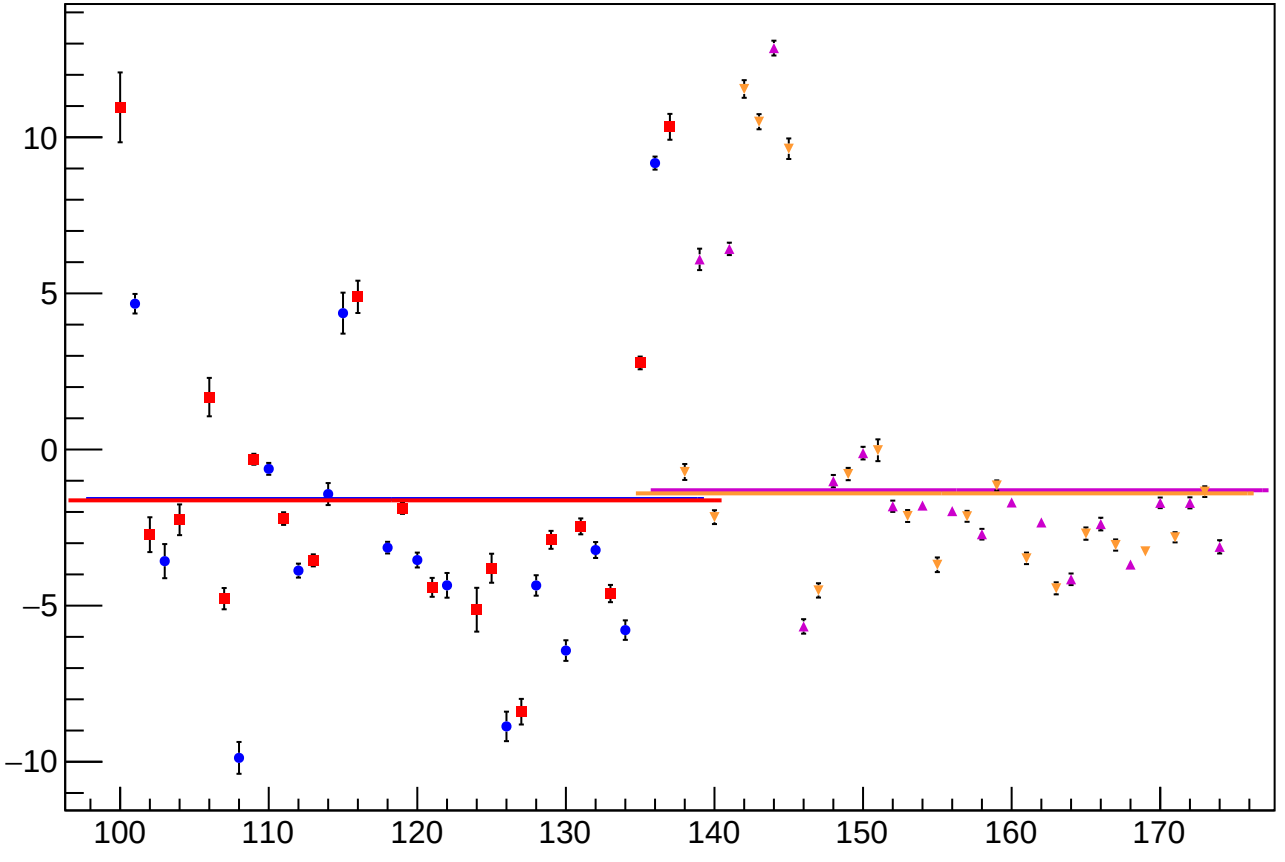
Left In: -3.463+/-0.049 χ^2/NDF:118443.8/17

+ sign -1.618+/-0.043 χ^2/NDF: 244377.4/34

All: -0.768+/-0.028 χ^2/NDF: 449759.2/71

- 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: -1.404+/-0.046 χ^2/NDF:6710.8/18

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

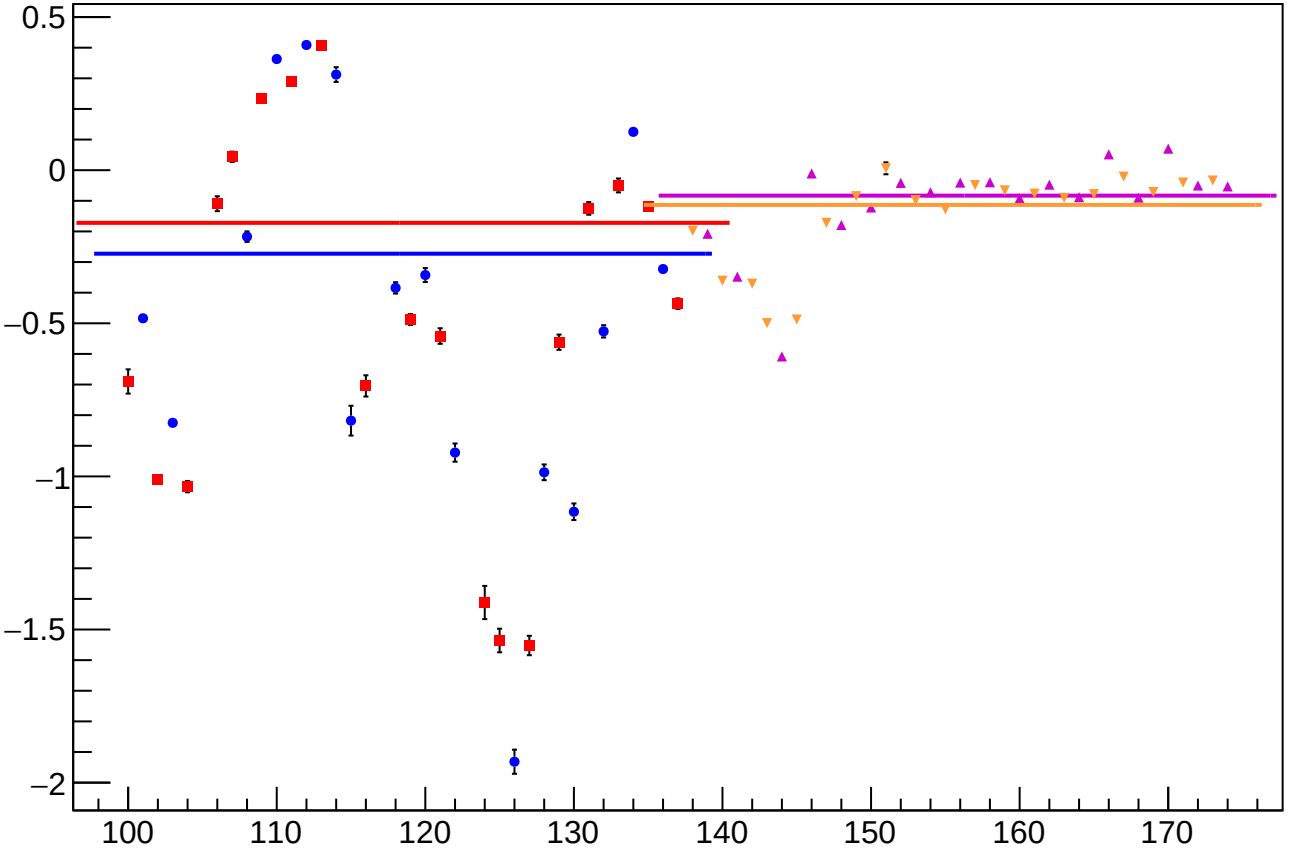
Left In: -1.305+/-0.041 χ^2/NDF:6642.3/17

+ sign -1.459+/-0.039 χ^2/NDF: 11188.0/34

All: -1.425+/-0.026 χ^2/NDF: 20271.2/71

- 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: -0.113+/-0.002 χ^2/NDF:3428.9/18

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

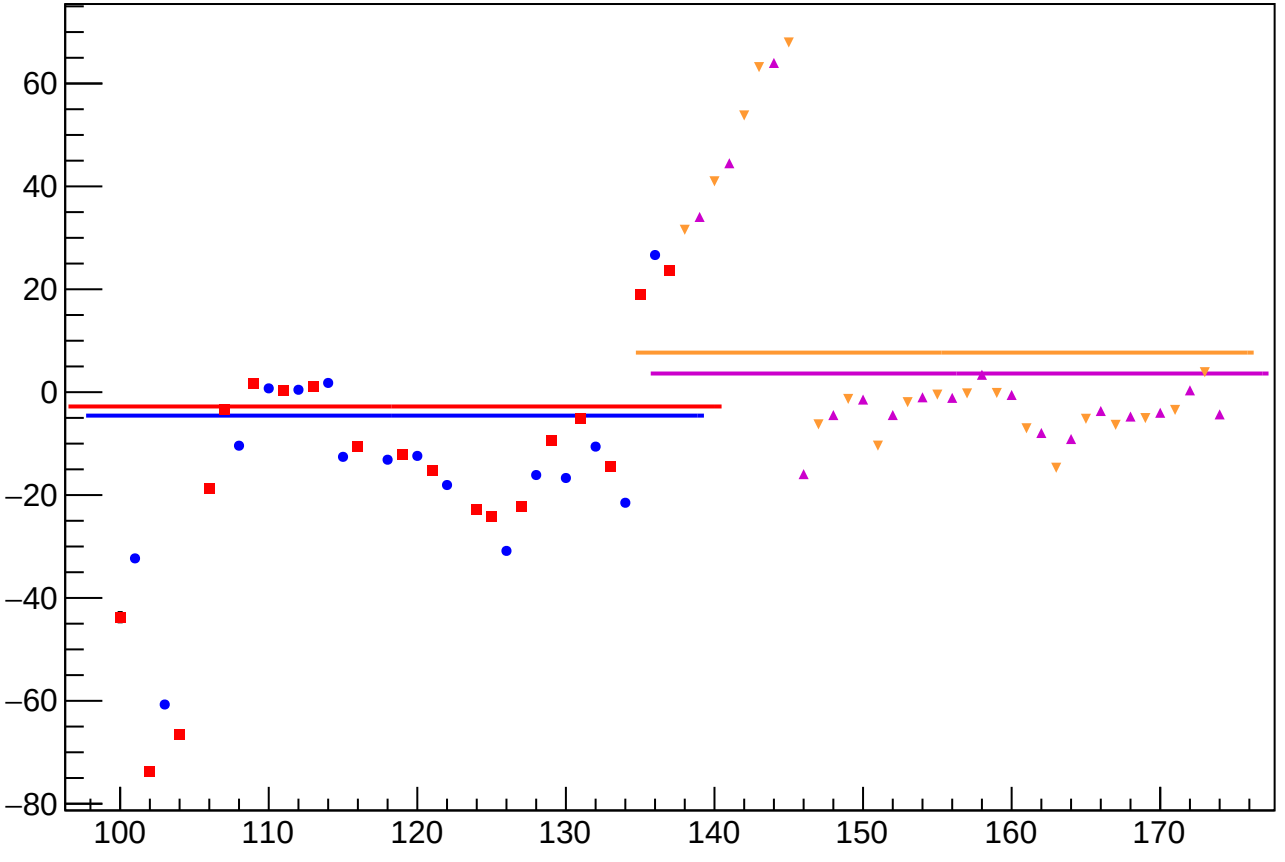
Left In: -0.083+/-0.002 χ^2/NDF:3730.7/17

+ sign -0.143+/-0.002 χ^2/NDF: 16443.1/34

All: -0.118+/-0.001 χ^2/NDF: 36273.8/71

- 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: 7.692+/-0.057 χ^2/NDF:151179.0/18

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

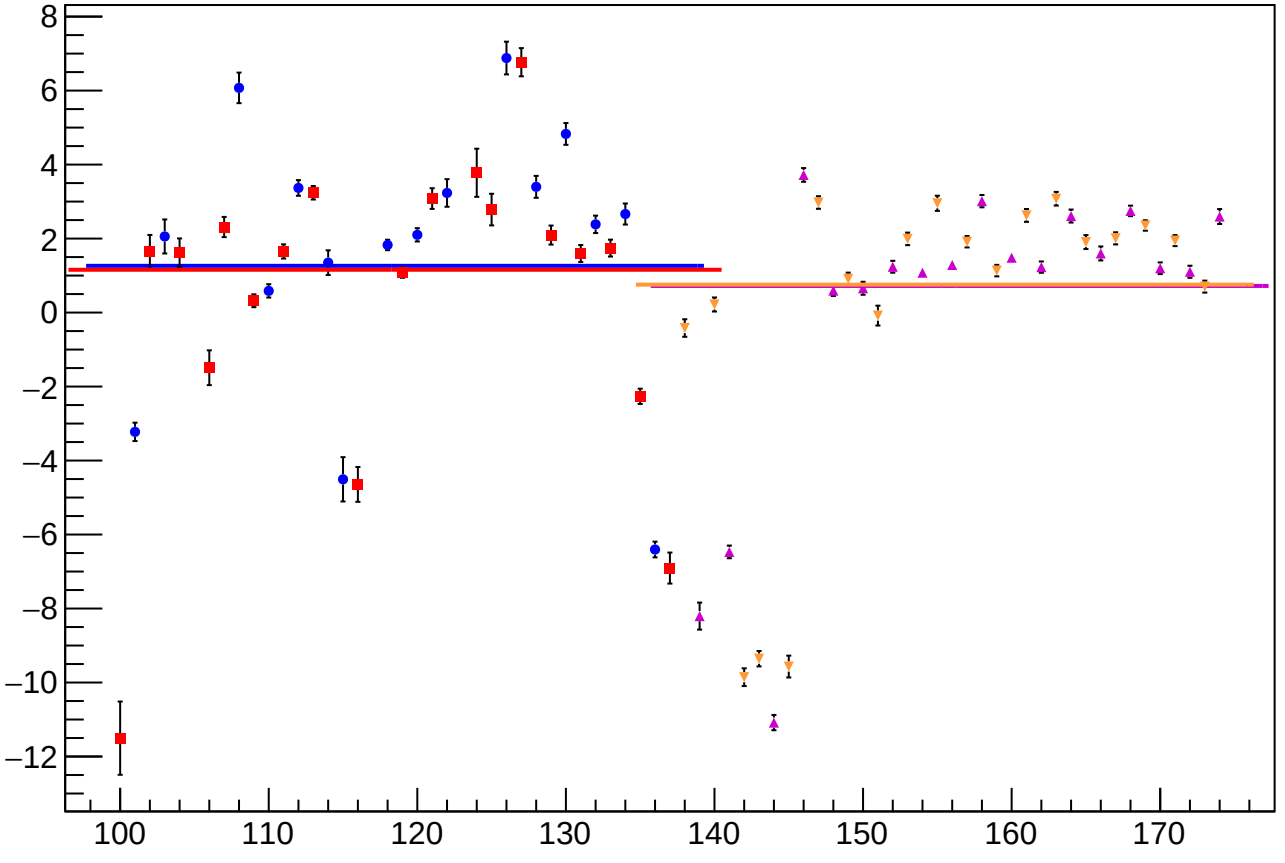
Left In: 3.627+/-0.051 χ^2/NDF:119944.9/17

+ sign 1.546+/-0.040 χ^2/NDF: 246983.1/34

All: 0.811+/-0.027 χ^2/NDF: 453665.0/71

- 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: 0.755+/-0.041 χ^2/NDF:6530.3/18

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

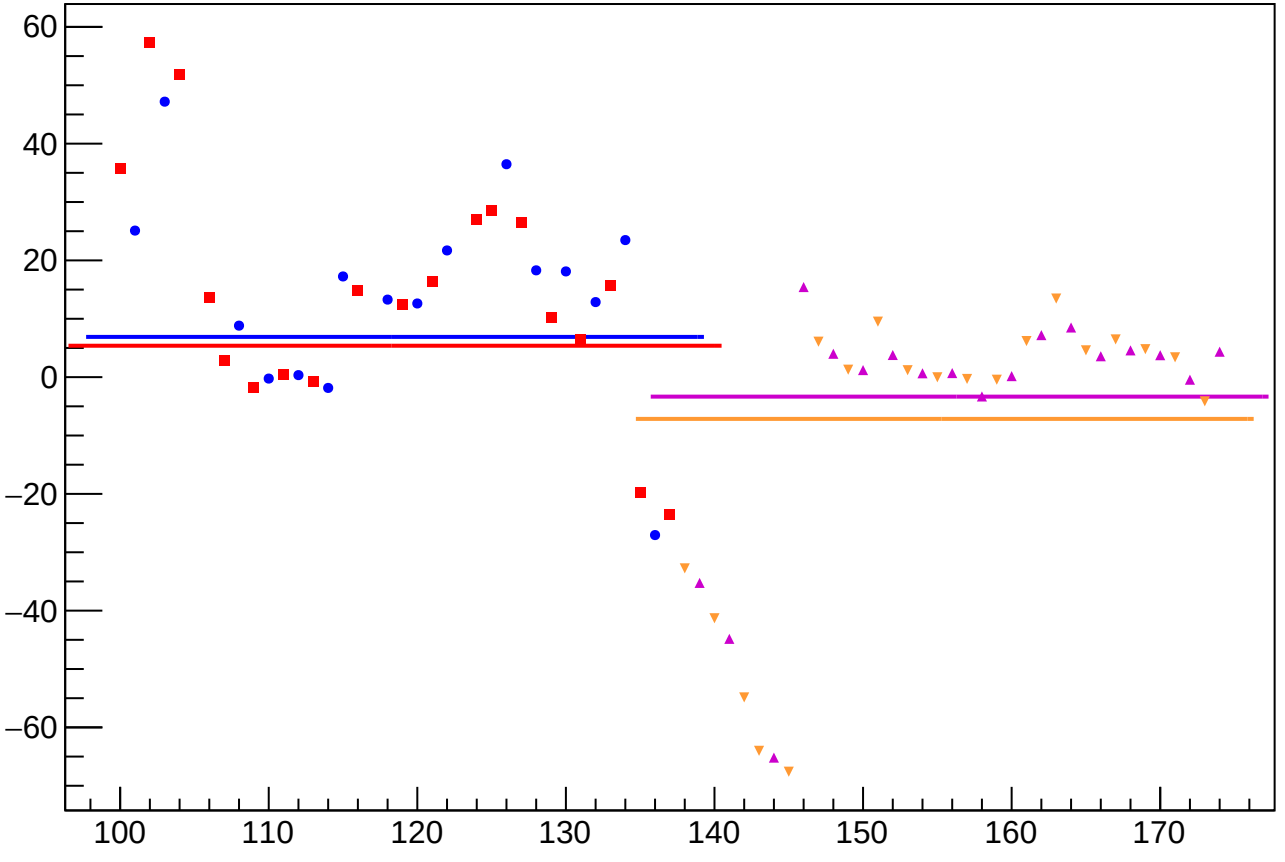
Left In: 0.720+/-0.037 χ^2/NDF:6607.6/17

+ sign 0.911+/-0.034 χ^2/NDF: 9020.6/34

All: 0.875+/-0.023 χ^2/NDF: 17160.0/71

- 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: -7.152+/-0.056 χ^2/NDF:146809.9/18

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

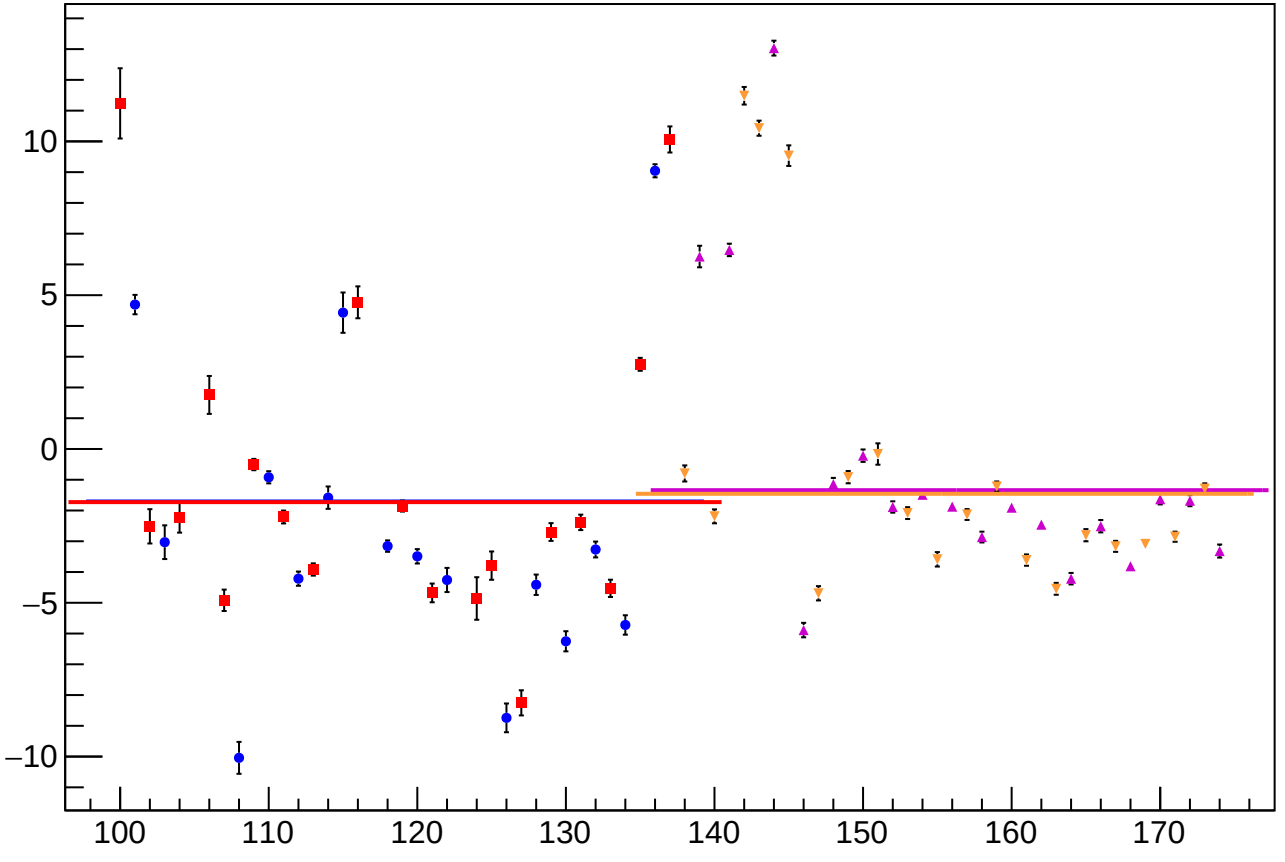
Left In: -3.338+/-0.050 χ^2/NDF:117193.8/17

+ sign -1.405+/-0.043 χ^2/NDF: 240550.2/34

All: -0.567+/-0.029 χ^2/NDF: 442730.6/71

- 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: -1.457+/-0.047 χ^2/NDF:6510.6/18

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

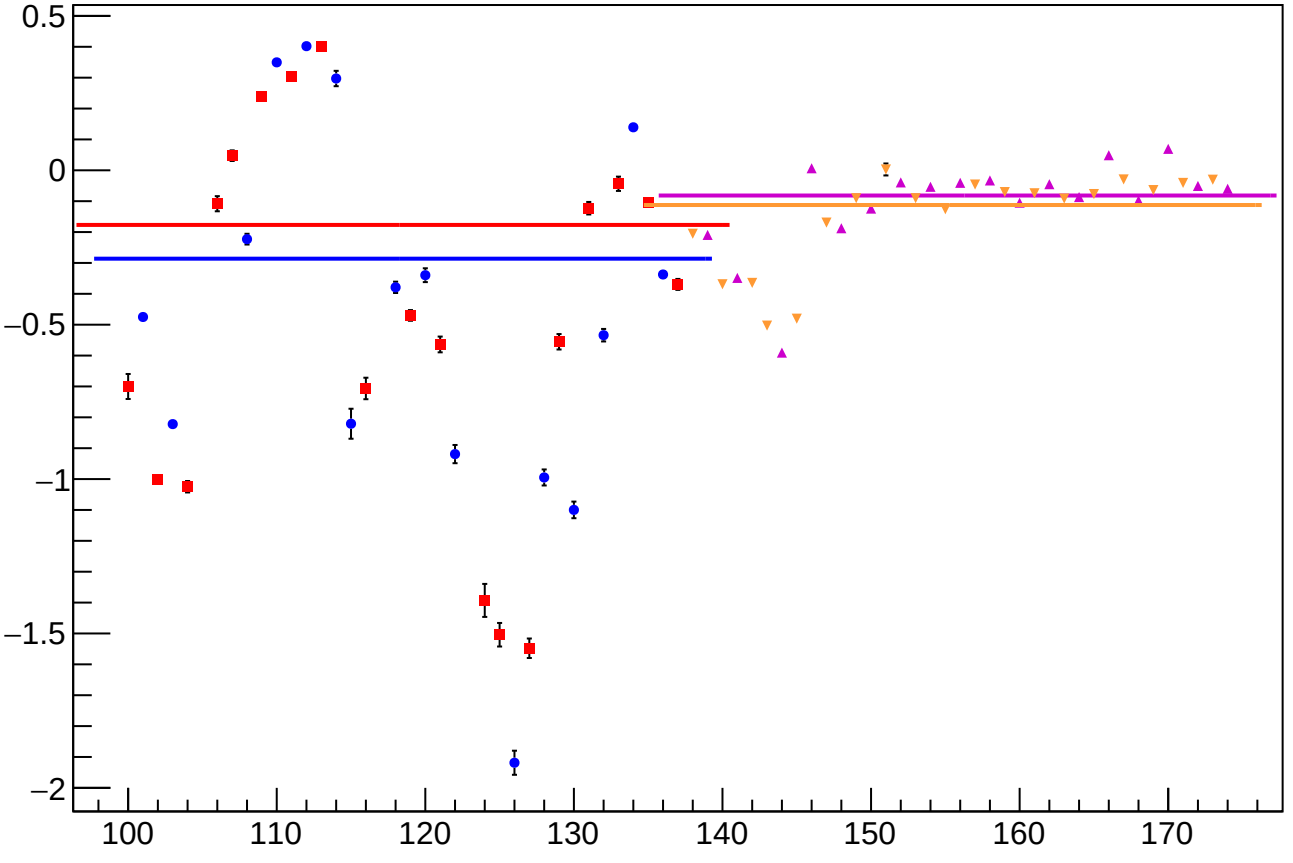
Left In: -1.340+/-0.042 χ^2/NDF:6642.2/17

+ sign -1.532+/-0.039 χ^2/NDF: 10809.0/34

All: -1.487+/-0.026 χ^2/NDF: 19787.3/71

- 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: -0.112+/-0.002 χ^2/NDF:3364.3/18

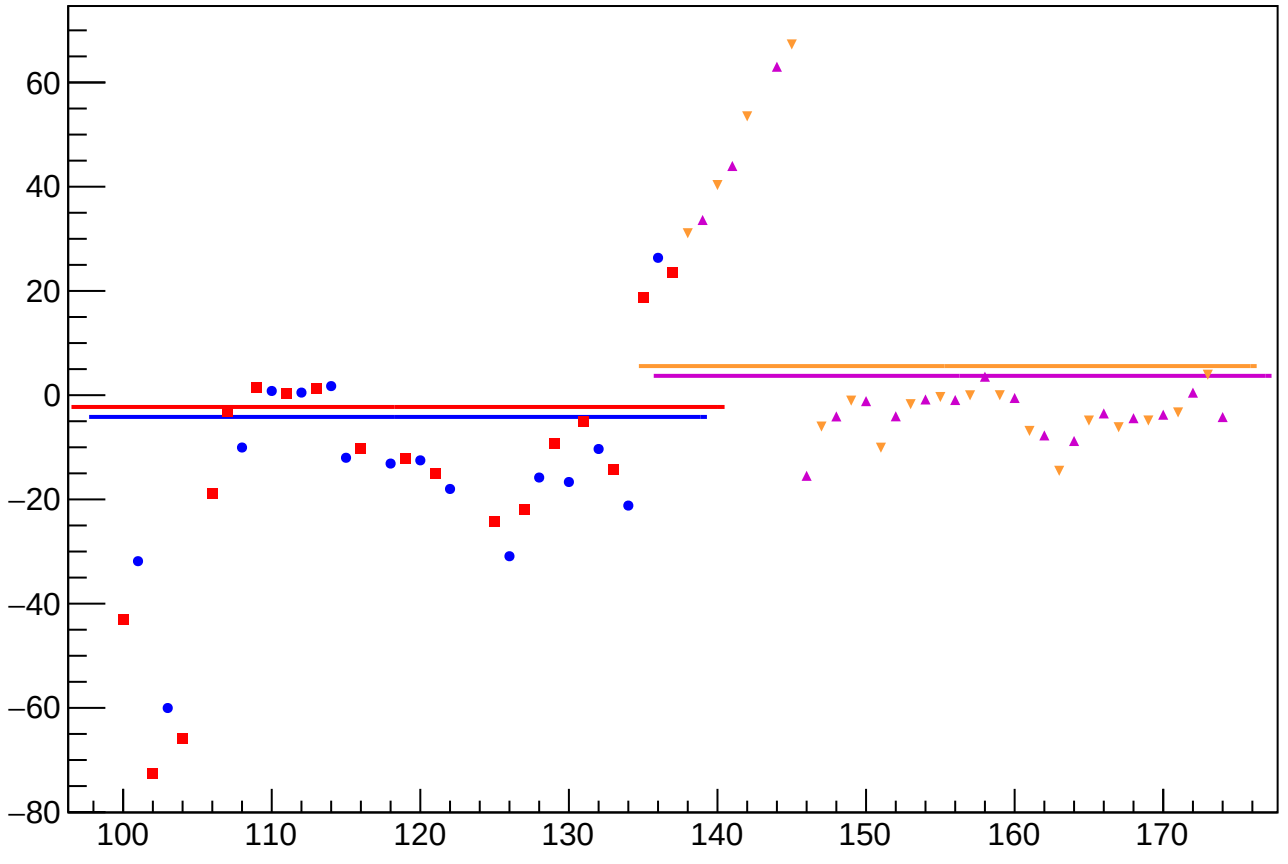
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.082+/-0.002 χ^2/NDF:3591.2/17

+ sign -0.145+/-0.002 χ^2/NDF: 16068.1/34

All: -0.118+/-0.001 χ^2/NDF: 35273.7/71

- 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: 5.582+/-0.056 χ^2/NDF:116464.9/17

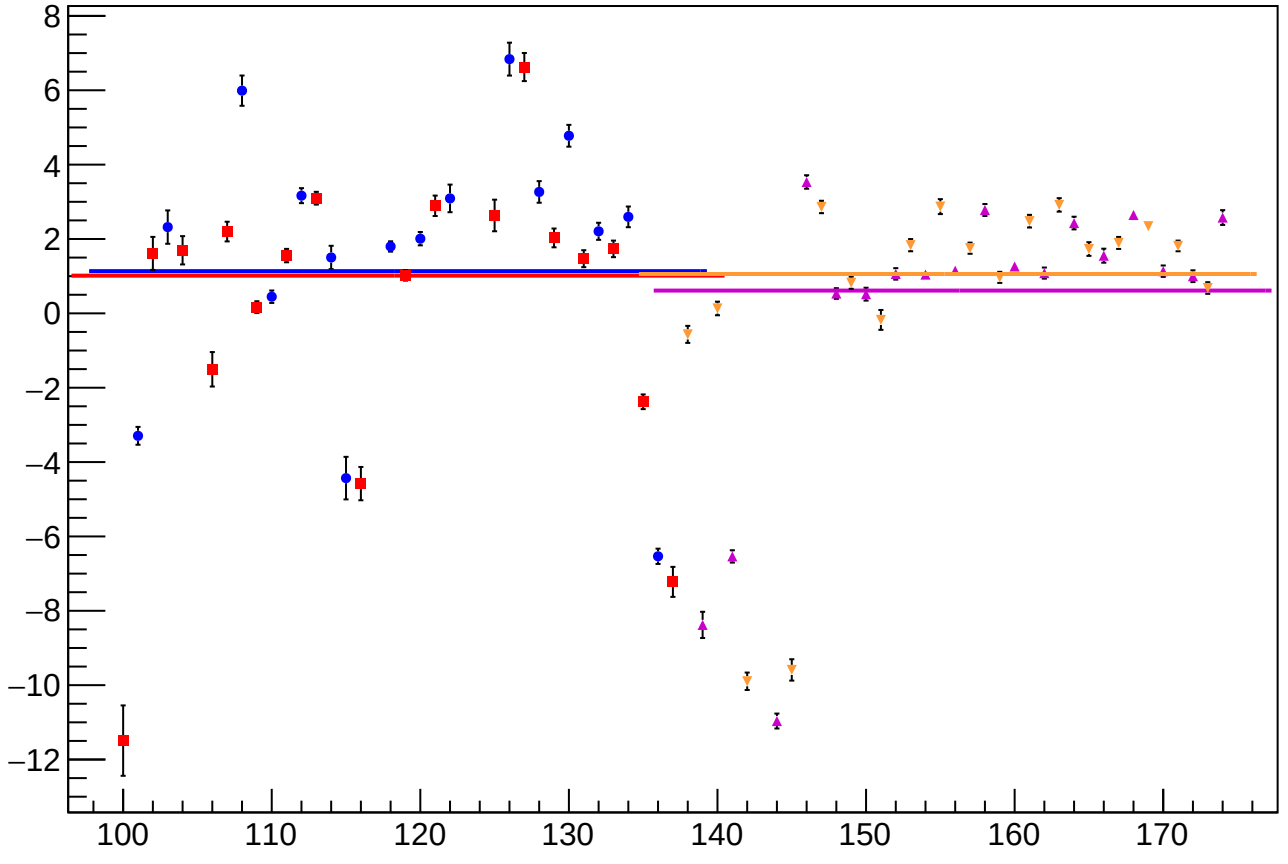
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 3.709+/-0.049 χ^2/NDF:123388.6/17

\+ sign 0.530+/-0.039 χ^2/NDF: 207333.9/33

All: 0.520+/-0.026 χ^2/NDF: 418158.8/69

\- 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: 1.058+/-0.041 χ^2/NDF:4237.6/17

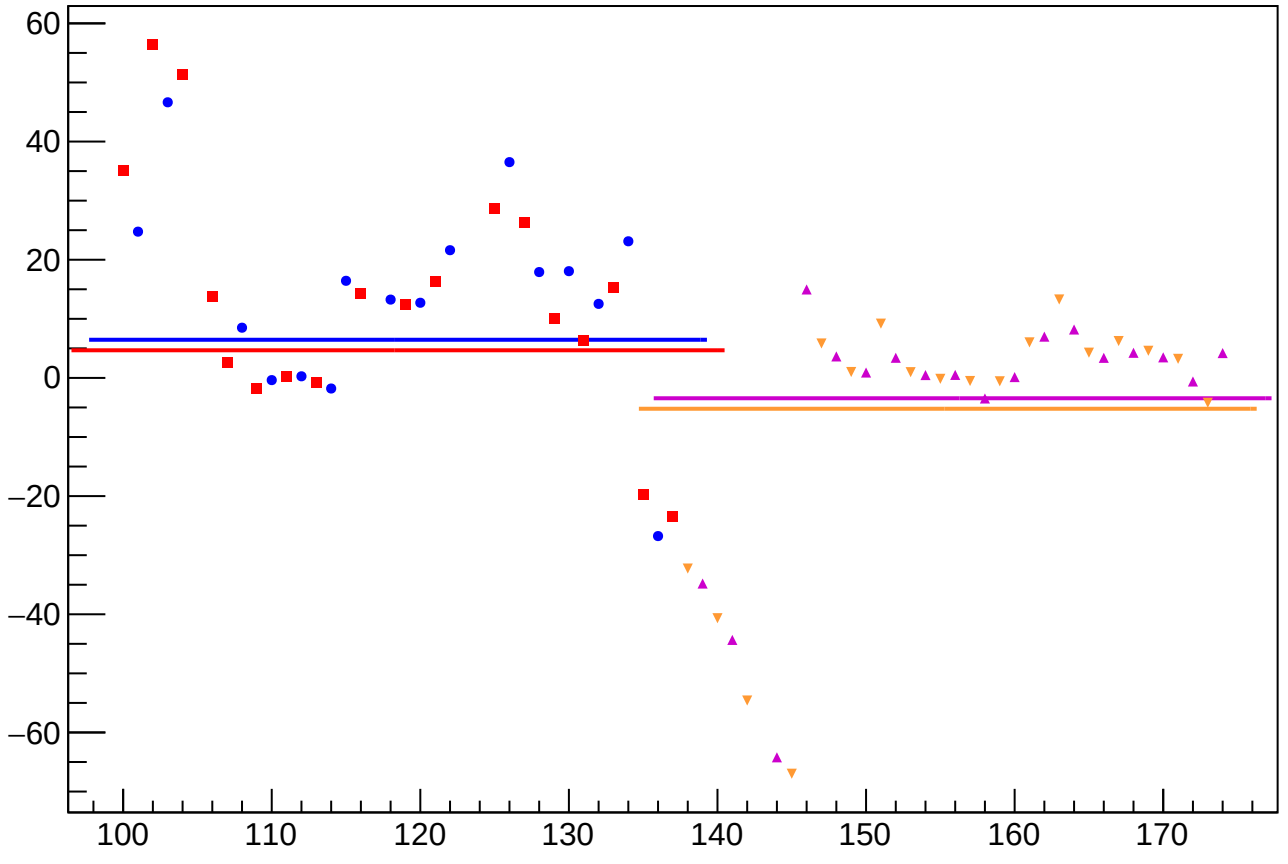
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.613+/-0.036 χ^2/NDF:6843.9/17

+ sign 1.083+/-0.034 χ^2/NDF: 6834.4/33

All: 0.885+/-0.023 χ^2/NDF: 15368.0/69

- 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: -5.217+/-0.055 χ^2/NDF:112499.3/17

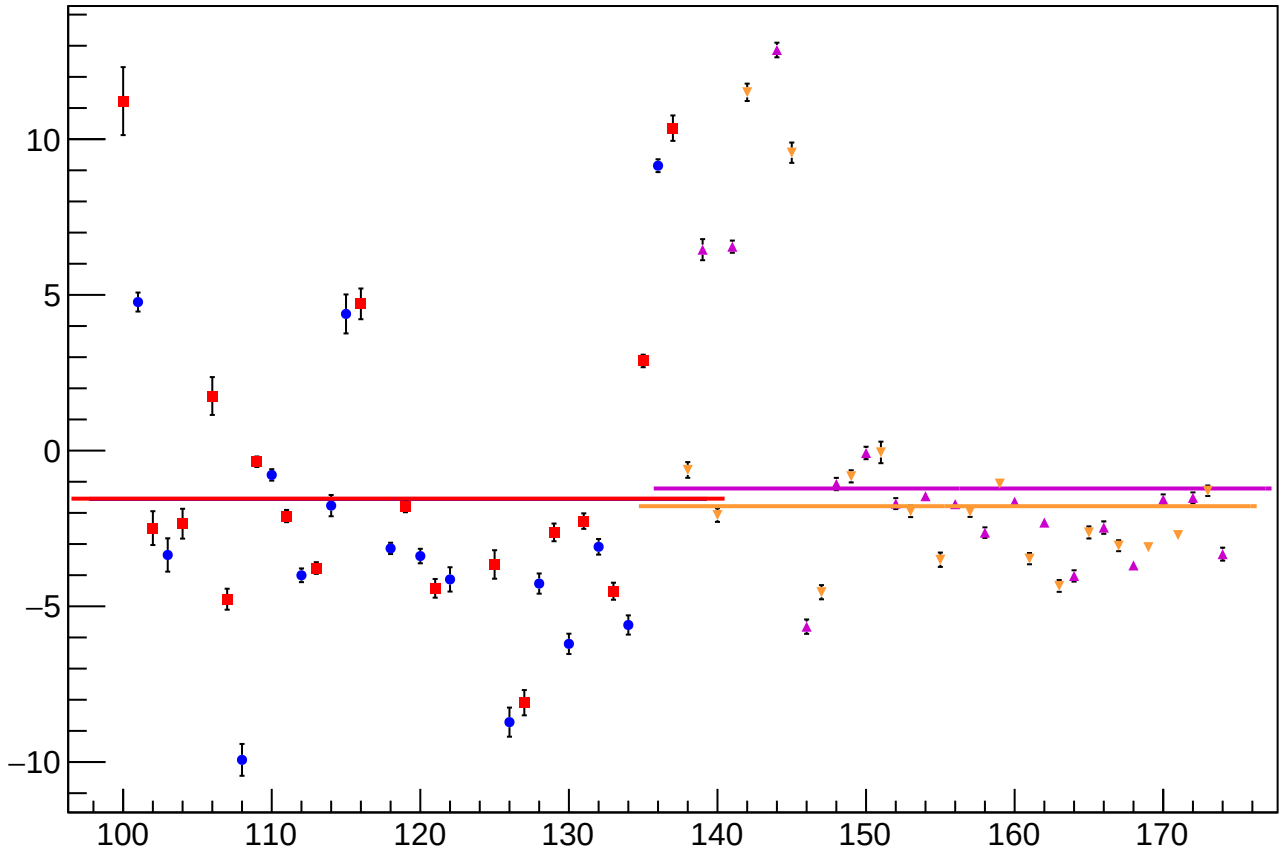
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -3.443+/-0.048 χ^2/NDF:120615.2/17

+ sign -0.300+/-0.042 χ^2/NDF: 201988.5/33

All: -0.248+/-0.028 χ^2/NDF: 408378.5/69

- 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: -1.785+/-0.046 χ^2/NDF:4233.2/17

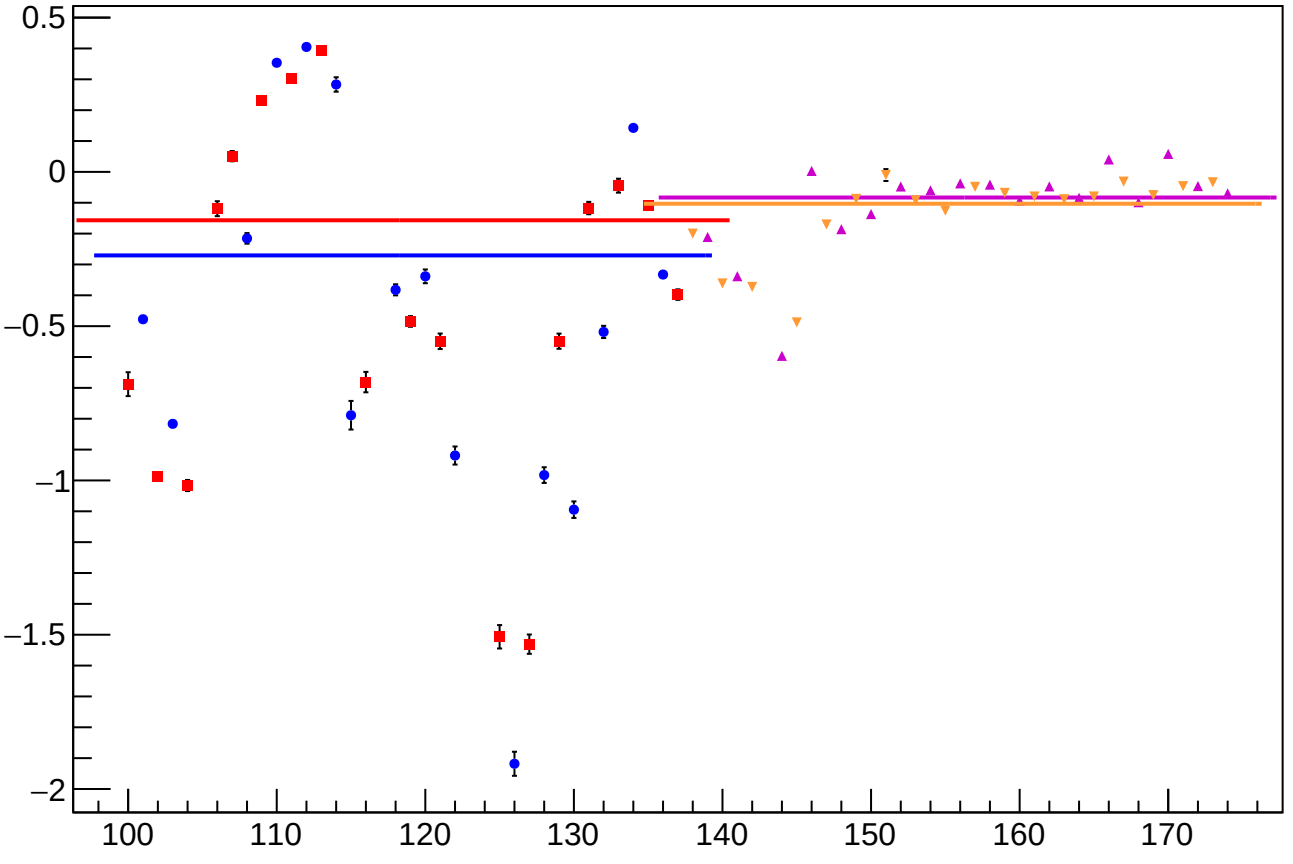
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.217+/-0.040 χ^2/NDF:6859.8/17

+ sign -1.713+/-0.038 χ^2/NDF: 8784.6/33

All: -1.488+/-0.026 χ^2/NDF: 18197.5/69

- 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: -0.103+/-0.002 χ^2/NDF:2376.8/17

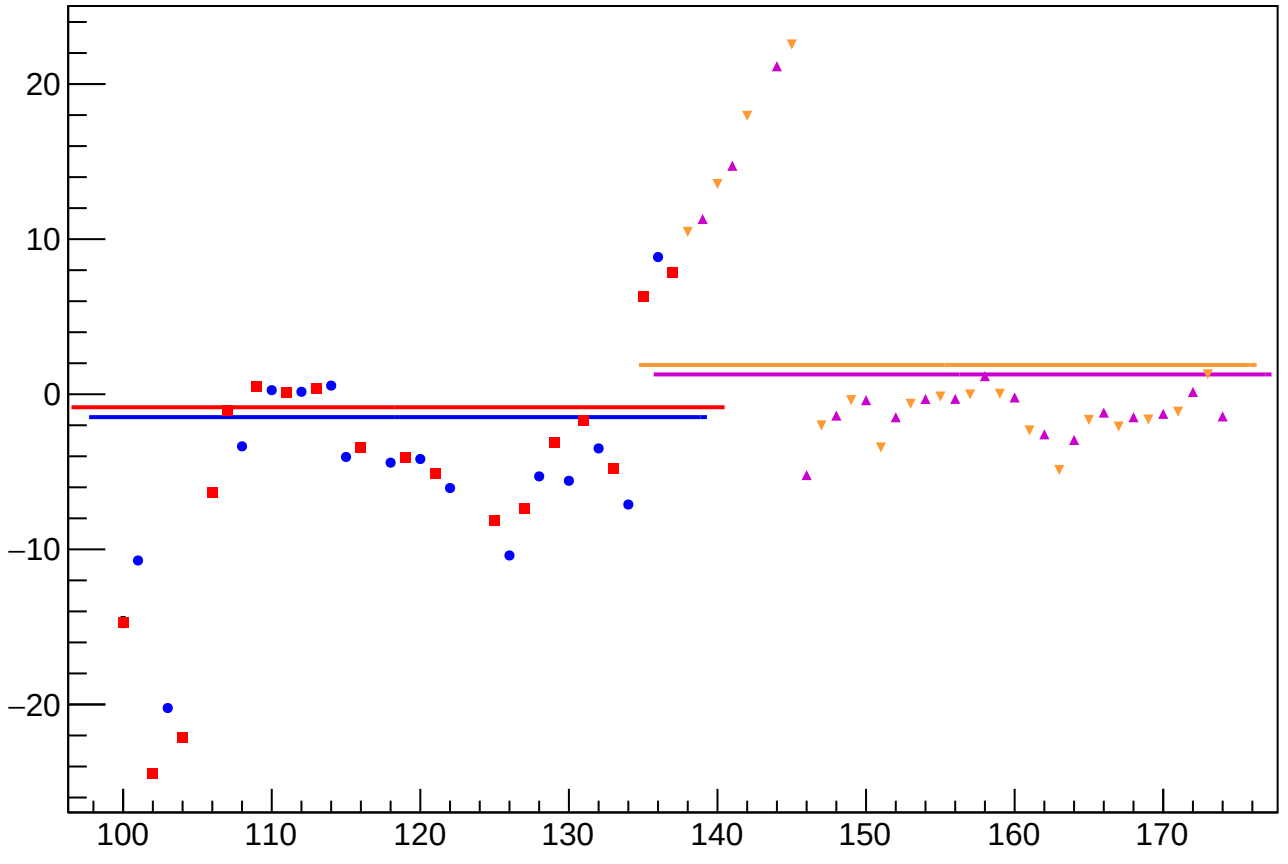
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.083+/-0.002 χ^2/NDF:3676.0/17

+ sign -0.135+/-0.002 χ^2/NDF: 15796.0/33

All: -0.113+/-0.001 χ^2/NDF: 35079.7/69

- sign -0.096+/-0.002 χ^2/NDF: 19008.9/35



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 1.891+/-0.019 χ^2/NDF:114455.8/17

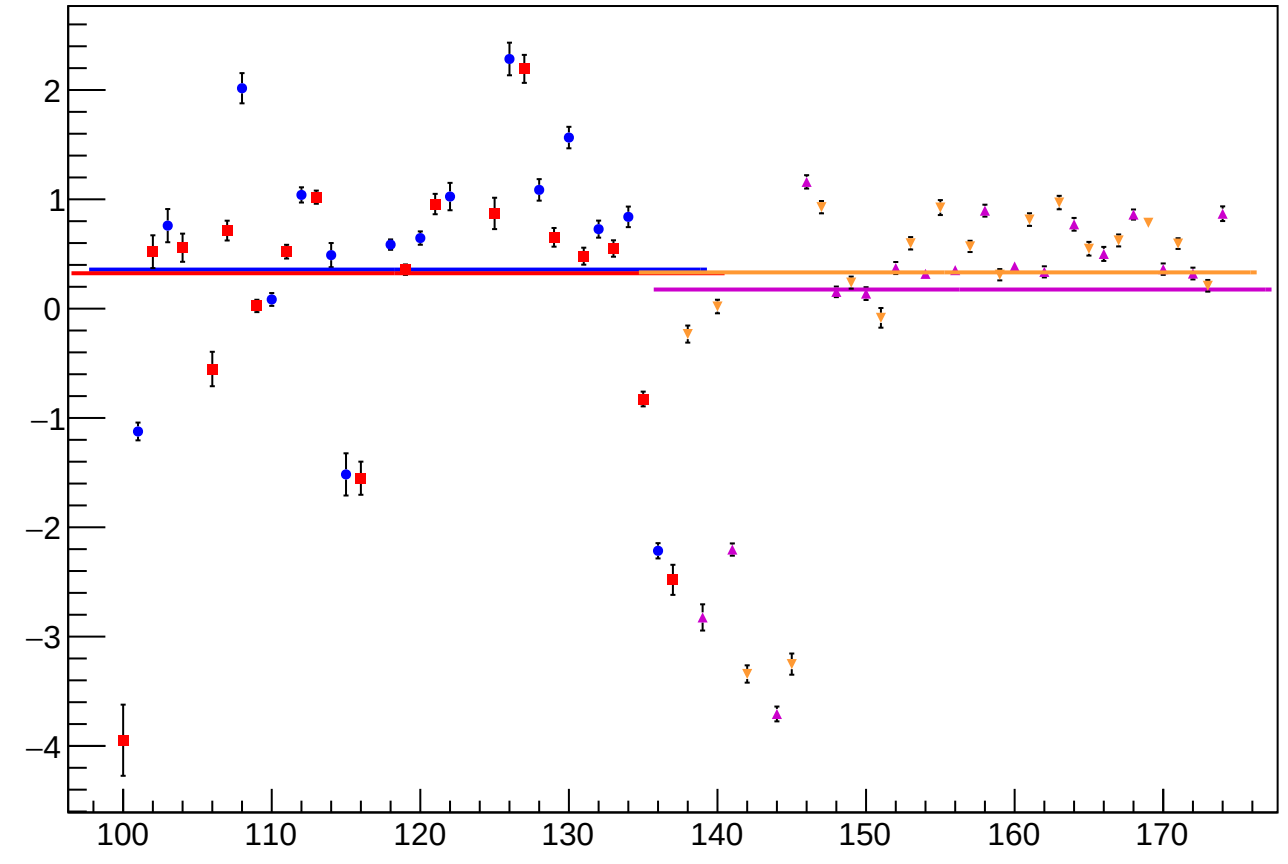
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 1.279+/-0.017 χ^2/NDF:120824.3/17

+ sign 0.163+/-0.013 χ^2/NDF: 203864.1/33

All: 0.162+/-0.009 χ^2/NDF: 410929.3/69

- sign 0.160+/-0.012 χ^2/NDF: 207065.2/35



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.332+/-0.014 χ^2/NDF:4195.9/17

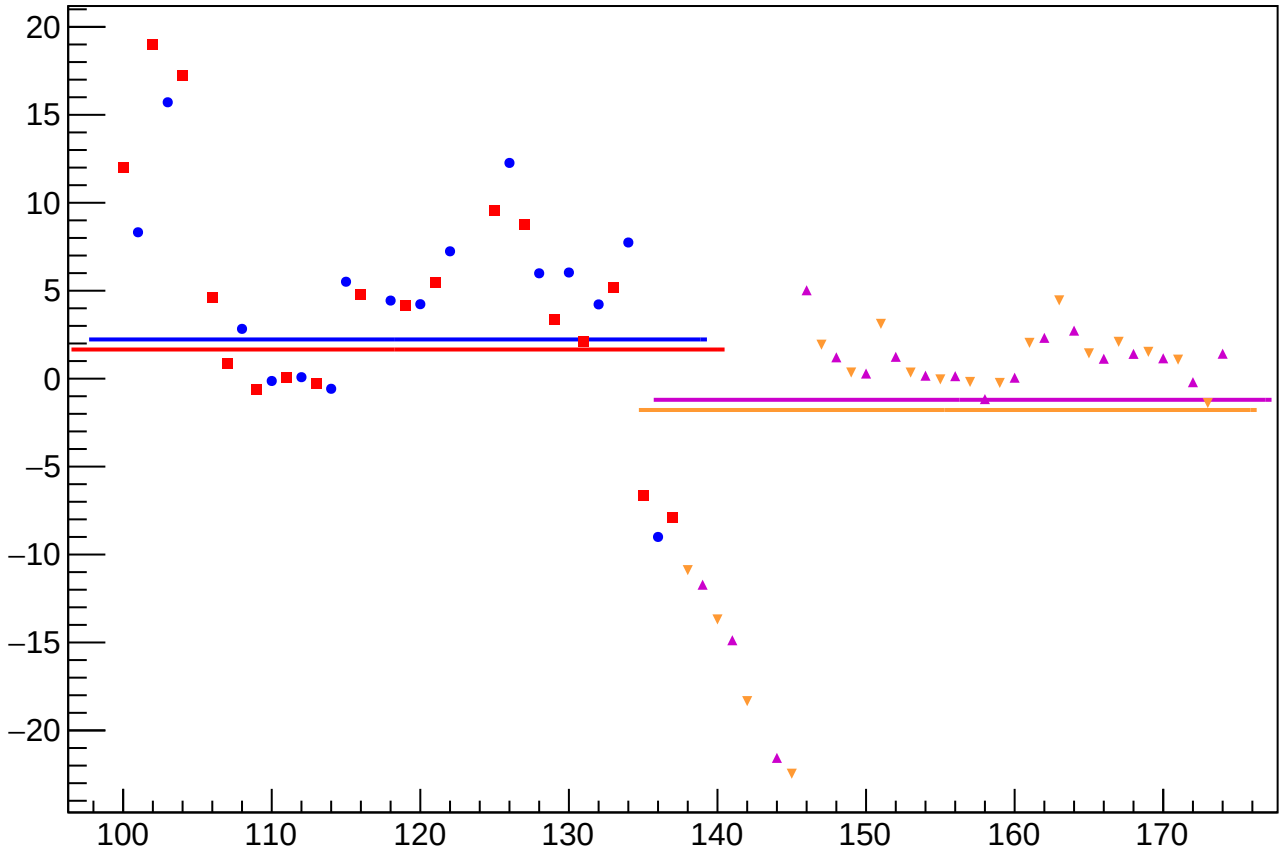
Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.175+/-0.012 χ^2/NDF:6686.5/17

+ sign 0.340+/-0.012 χ^2/NDF: 6740.0/33

All: 0.272+/-0.008 χ^2/NDF: 15088.5/69

- sign 0.217+/-0.010 χ^2/NDF: 8286.4/35



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -1.781+/-0.019 χ^2/NDF:110570.2/17

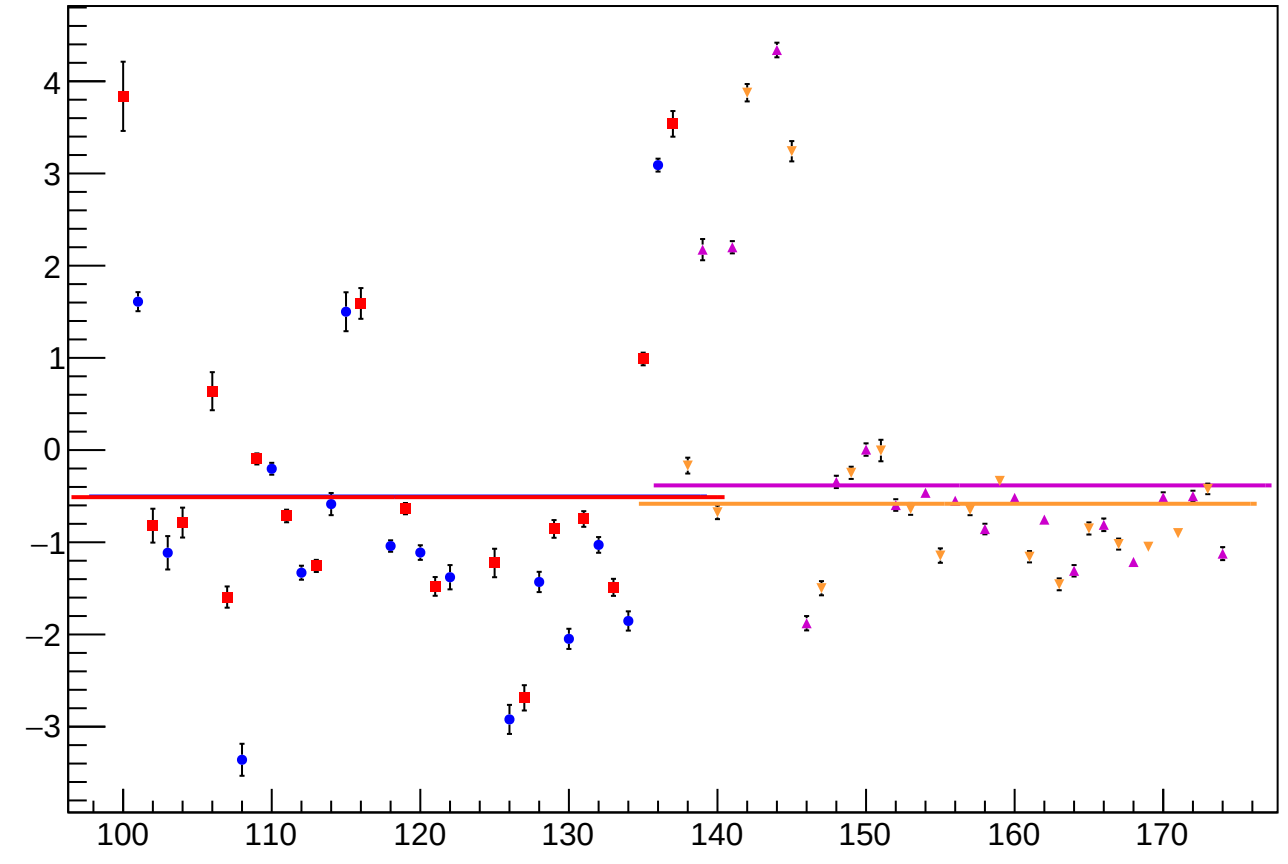
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -1.202+/-0.017 χ^2/NDF:118157.3/17

+ sign -0.101+/-0.014 χ^2/NDF: 198618.2/33

All: -0.085+/-0.010 χ^2/NDF: 401405.0/69

- 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: -0.582+/-0.016 χ^2/NDF:4193.7/17

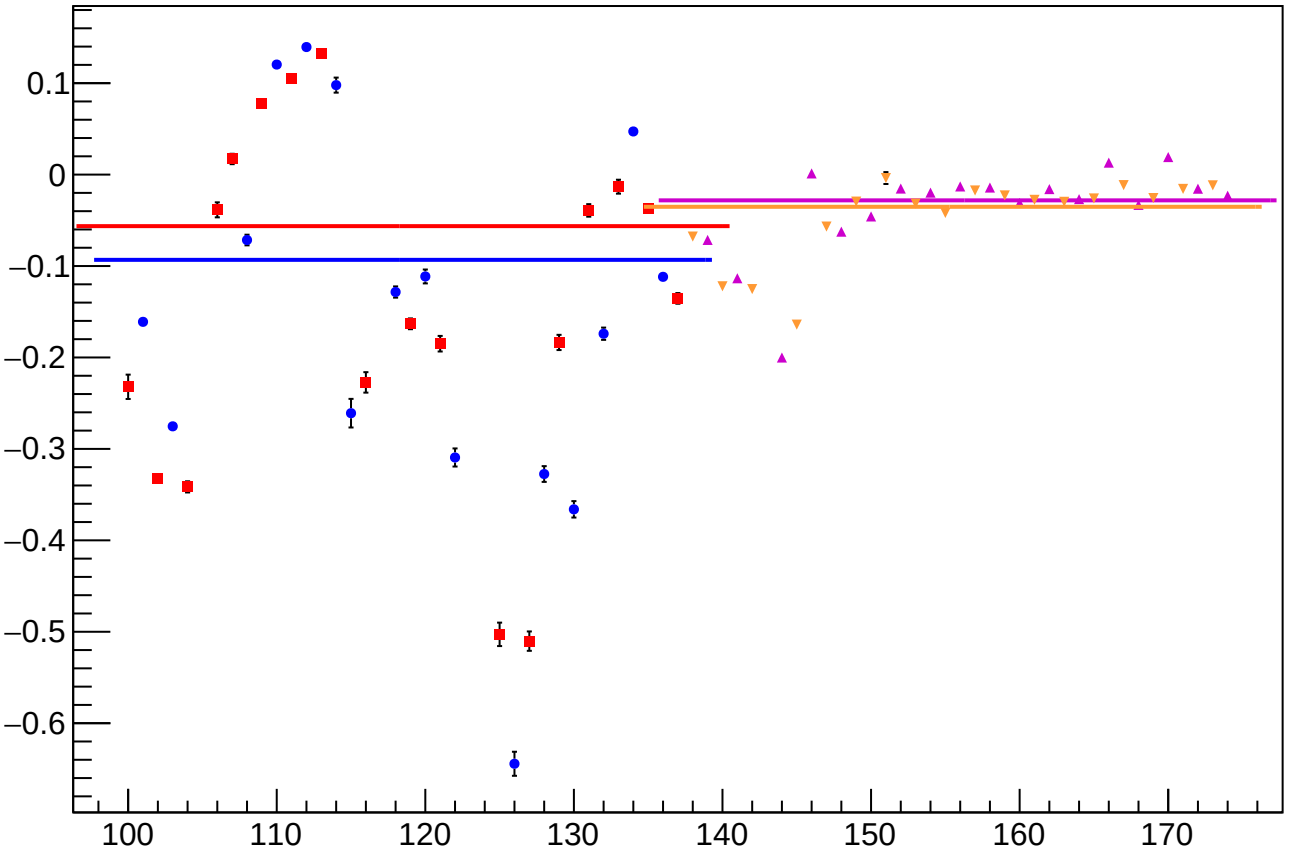
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.383+/-0.014 χ^2/NDF:6709.5/17

+ sign -0.558+/-0.013 χ^2/NDF: 8648.5/33

All: -0.481+/-0.009 χ^2/NDF: 17868.1/69

- 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:2329.7/17

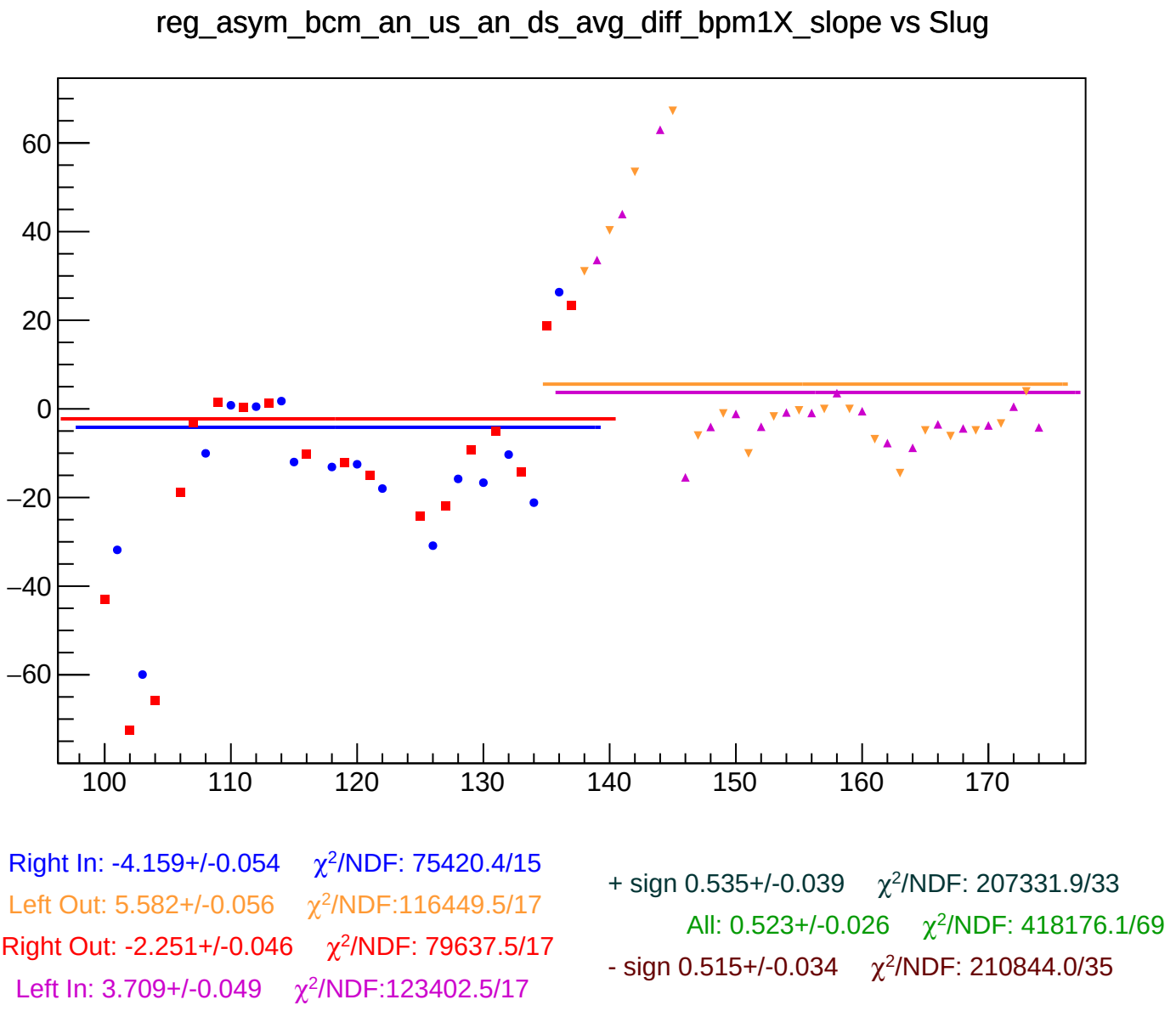
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

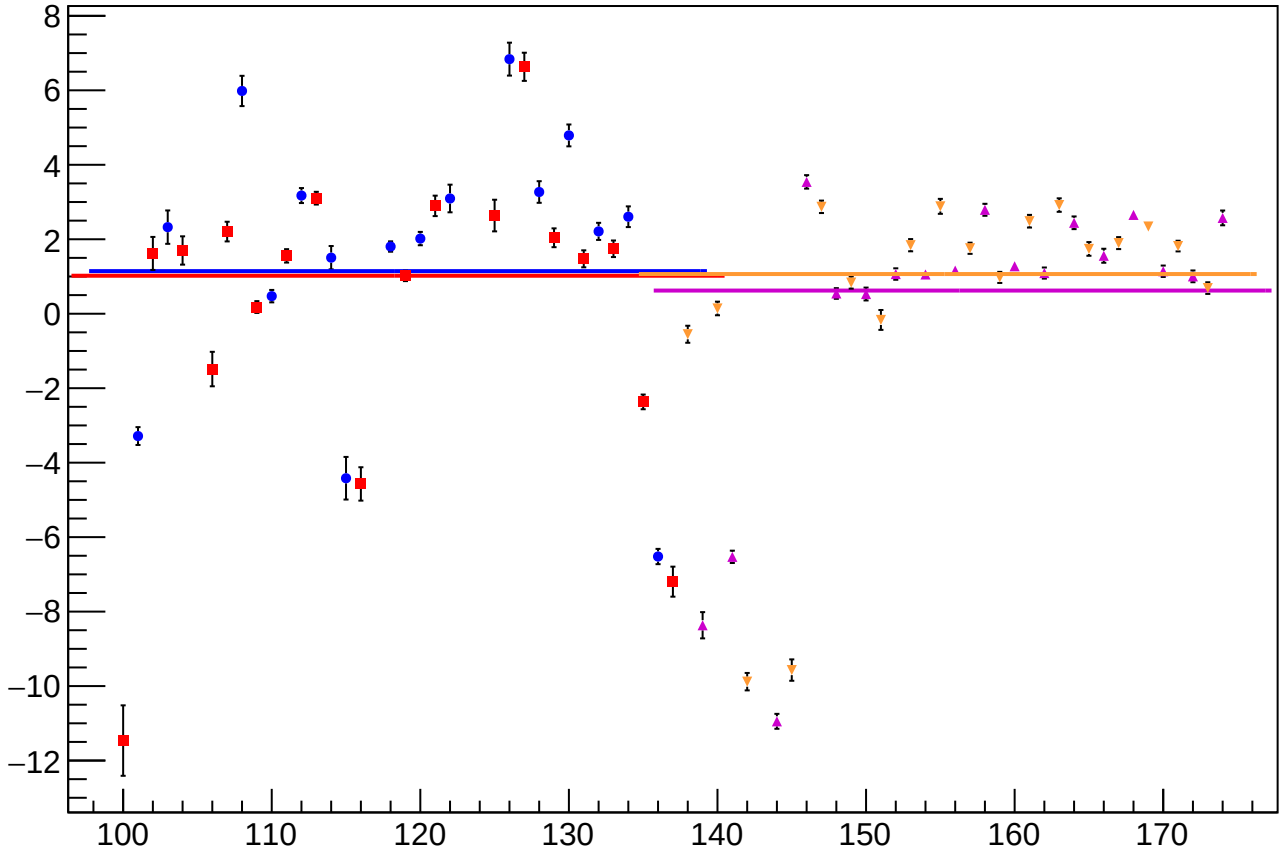
Left In: -0.028+/-0.001 χ^2/NDF:3591.7/17

+ sign -0.046+/-0.001 χ^2/NDF: 15434.6/33

All: -0.039+/-0.000 χ^2/NDF: 34135.6/69

- sign -0.033+/-0.001 χ^2/NDF: 18436.2/35


reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
Right In: -4.159+/-0.054 χ²/NDF: 75420.4/15
Left Out: 5.582+/-0.056 χ²/NDF:116449.5/17
Right Out: -2.251+/-0.046 χ²/NDF: 79637.5/17
Left In: 3.709+/-0.049 χ²/NDF:123402.5/17
+ sign 0.535+/-0.039 χ²/NDF: 207331.9/33
All: 0.523+/-0.026 χ²/NDF: 418176.1/69
- sign 0.515+/-0.034 χ²/NDF: 210844.0/35



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 1.066+/-0.041 χ^2/NDF:4234.9/17

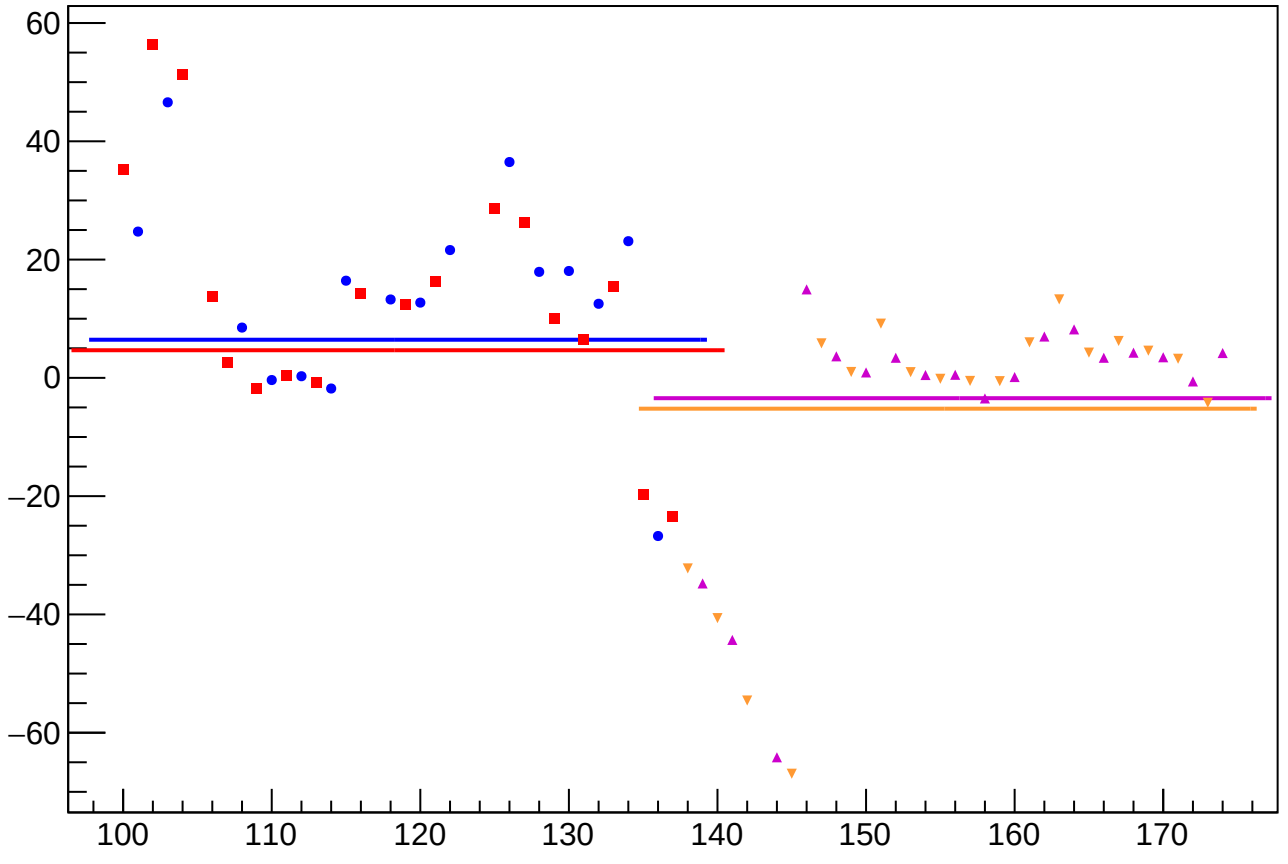
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.622+/-0.036 χ^2/NDF:6848.0/17

+ sign 1.091+/-0.034 χ^2/NDF: 6831.4/33

All: 0.894+/-0.023 χ^2/NDF: 15366.6/69

- 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: -5.211+/-0.055 χ^2/NDF:112483.5/17

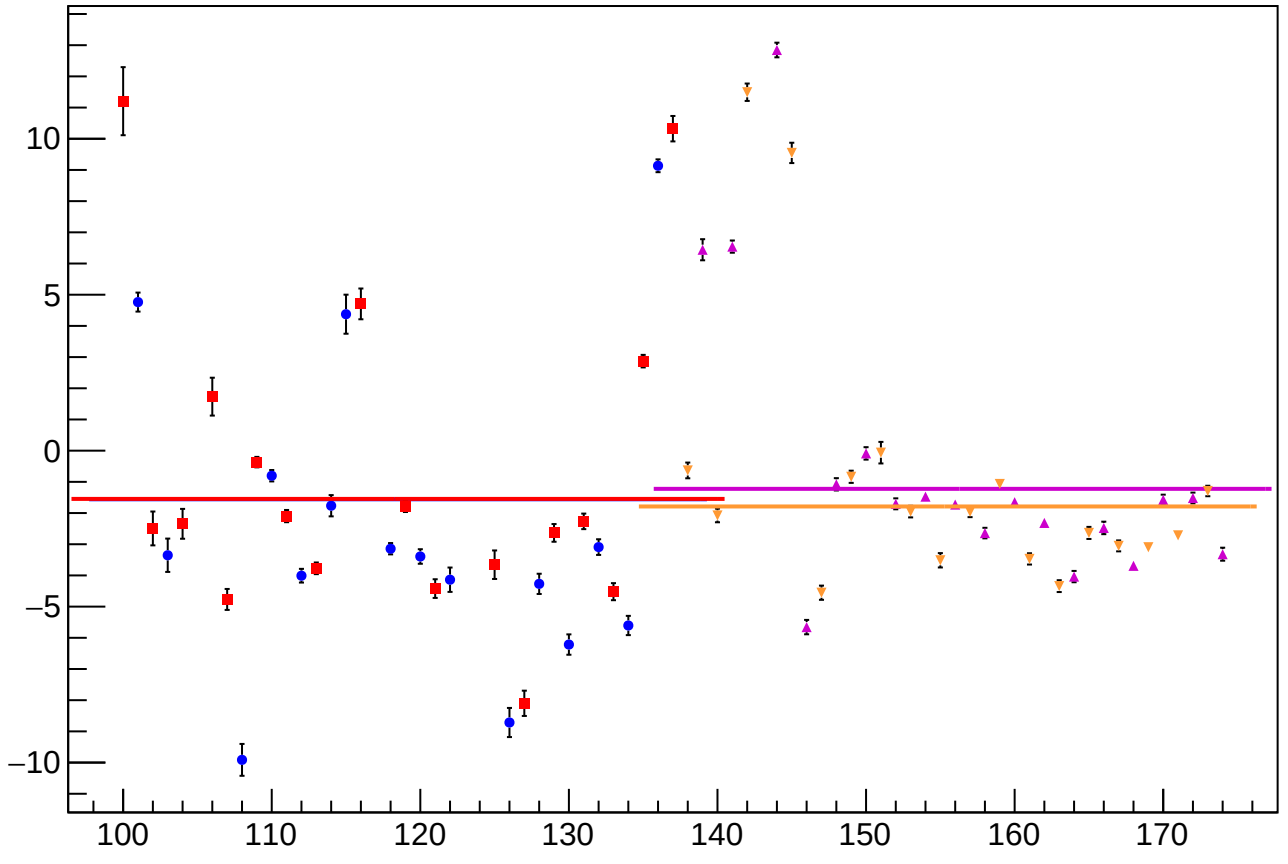
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -3.437+/-0.048 χ^2/NDF:120626.4/17

+ sign -0.299+/-0.042 χ^2/NDF: 201982.5/33

All: -0.246+/-0.028 χ^2/NDF: 408382.1/69

- 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: -1.789+/-0.046 χ^2/NDF:4229.9/17

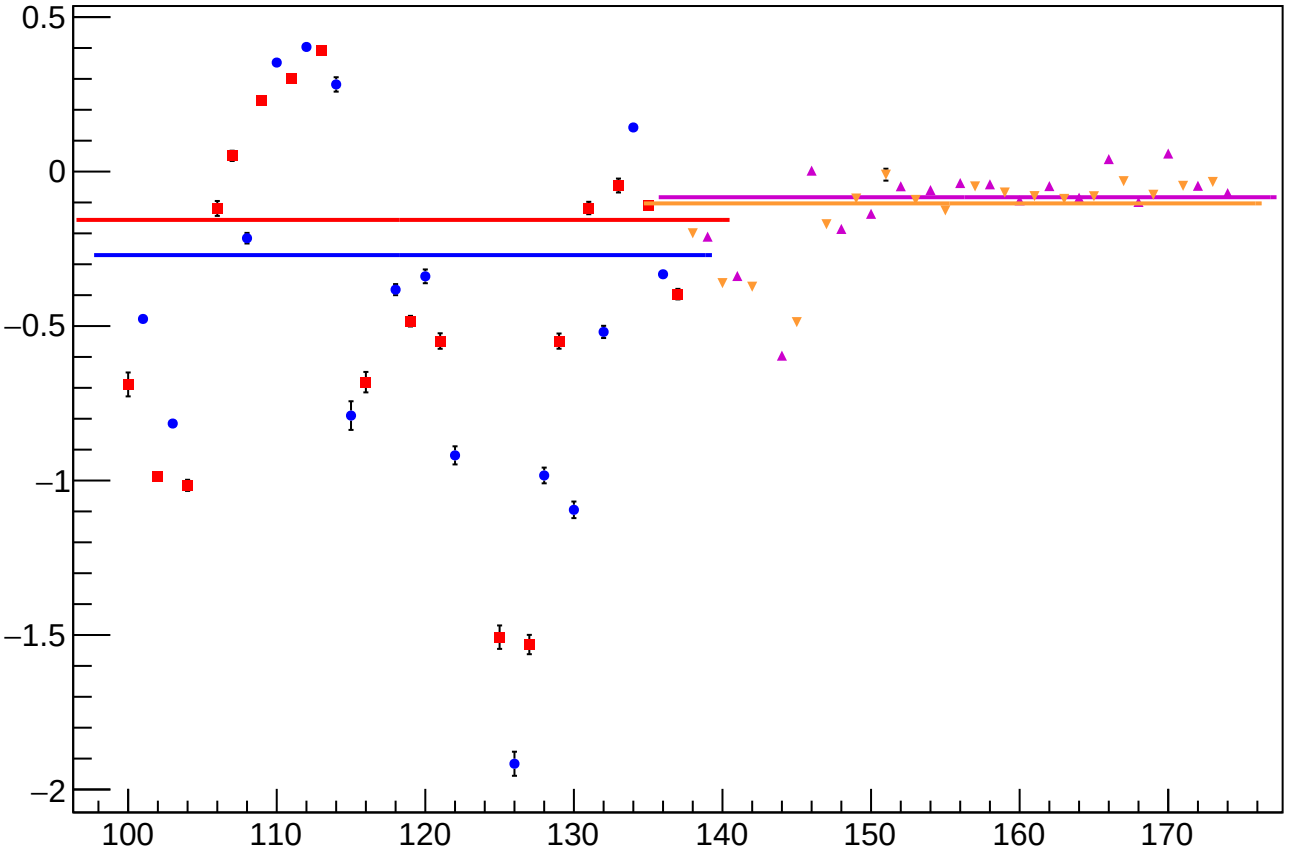
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.224+/-0.040 χ^2/NDF:6863.1/17

+ sign -1.718+/-0.038 χ^2/NDF: 8780.7/33

All: -1.494+/-0.026 χ^2/NDF: 18193.3/69

- 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: -0.103+/-0.002 χ^2/NDF:2377.9/17

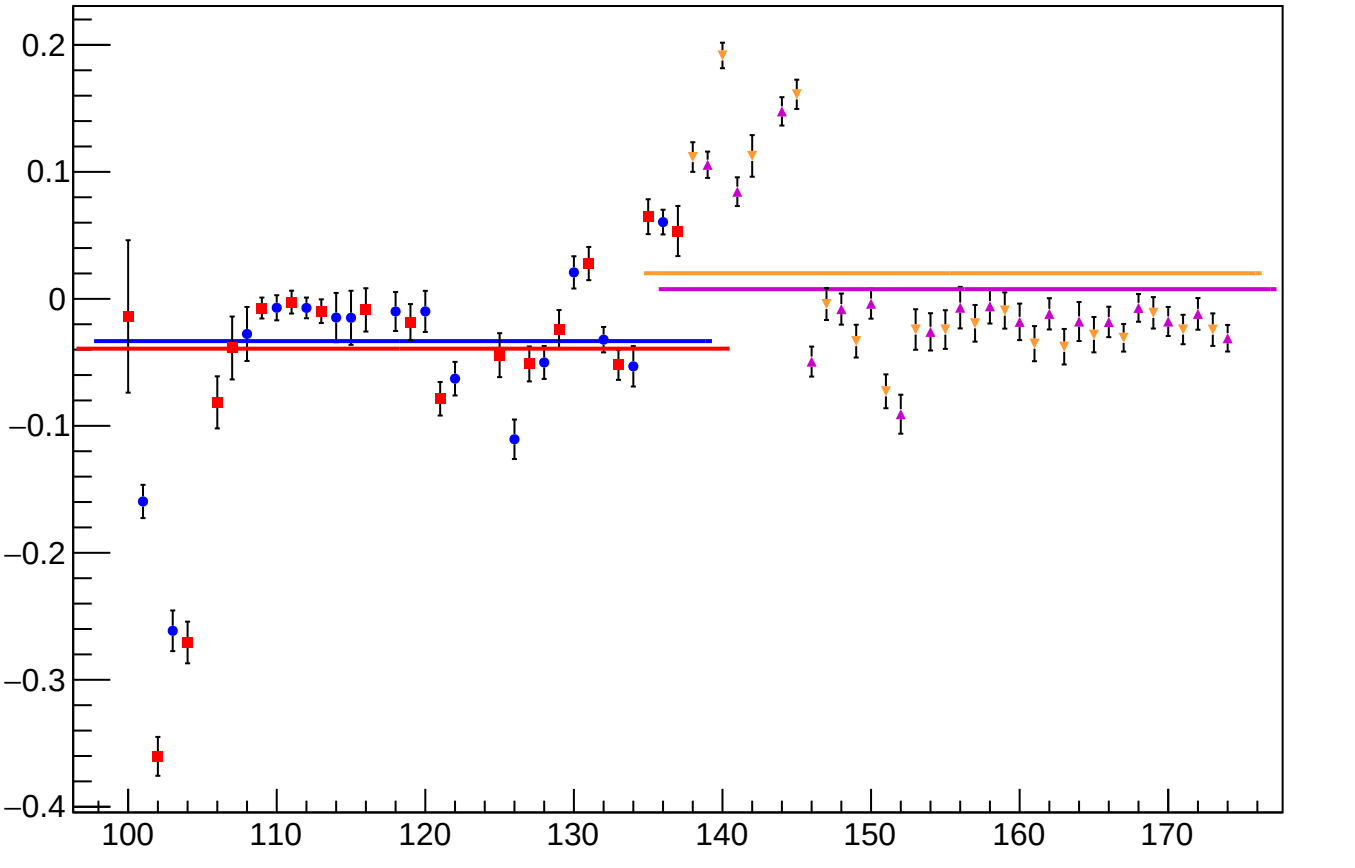
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.083+/-0.002 χ^2/NDF:3677.6/17

+ sign -0.135+/-0.002 χ^2/NDF: 15798.5/33

All: -0.112+/-0.001 χ^2/NDF: 35091.2/69

- 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: 0.020+/-0.003 χ^2/NDF:730.5/17

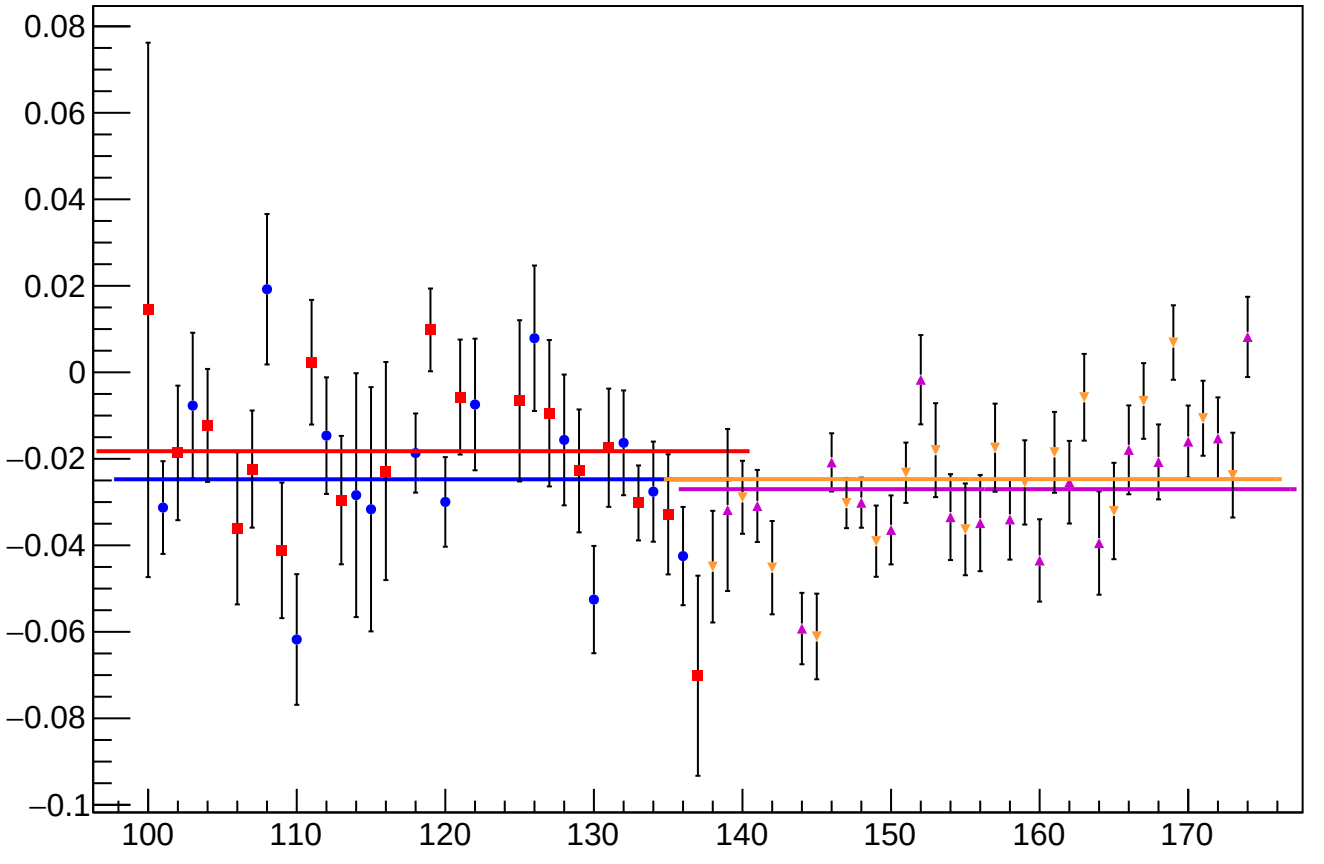
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.008+/-0.003 χ^2/NDF:402.5/17

+ sign -0.005+/-0.002 χ^2/NDF: 1340.0/33

All: -0.009+/-0.002 χ^2/NDF: 2676.2/69

- 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: -0.025+/-0.002 χ^2/NDF:50.7/17

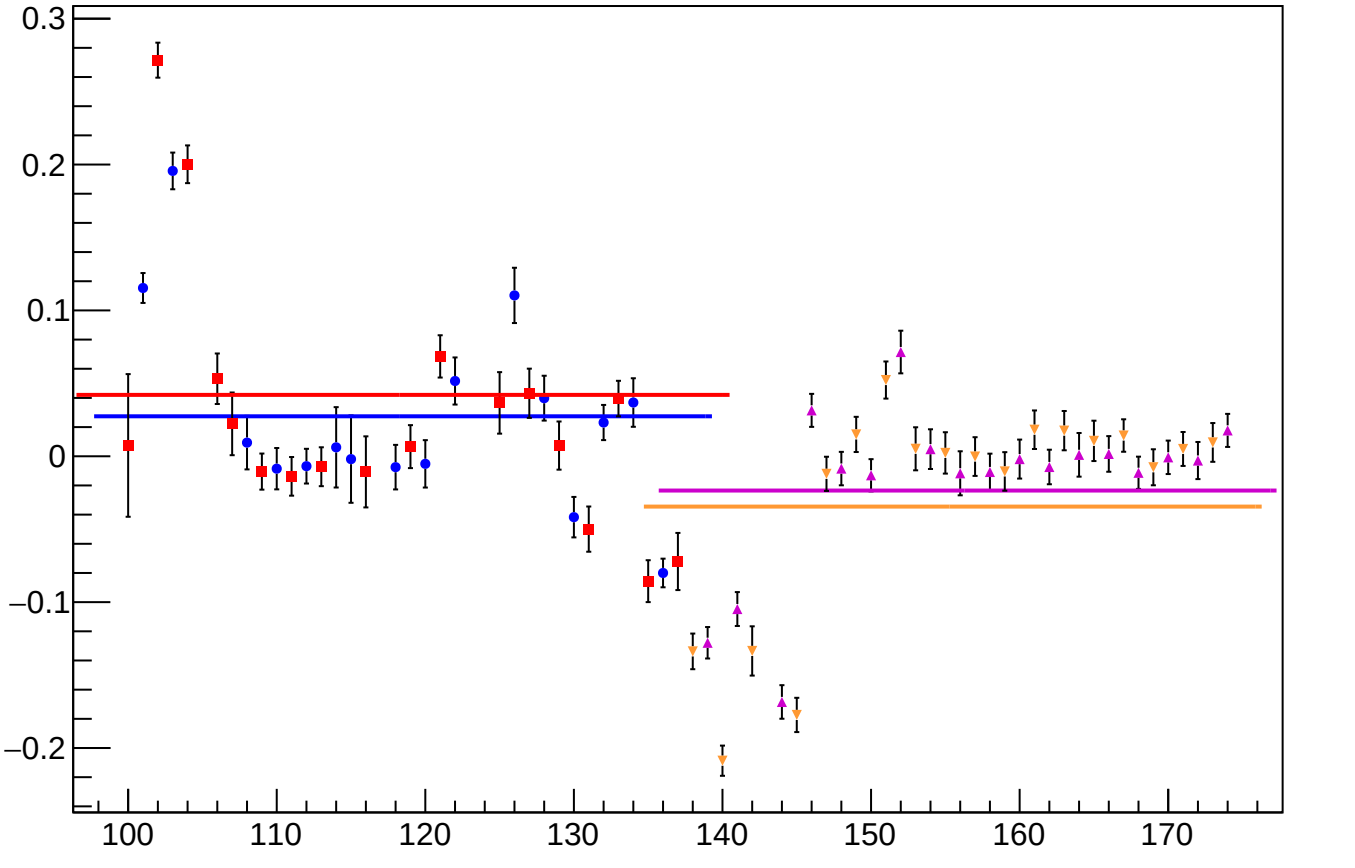
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.027+/-0.002 χ^2/NDF:48.6/17

+ sign -0.025+/-0.002 χ^2/NDF: 79.2/33

All: -0.025+/-0.001 χ^2/NDF: 157.5/69

- 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: -0.034+/-0.003 χ^2/NDF:710.1/17

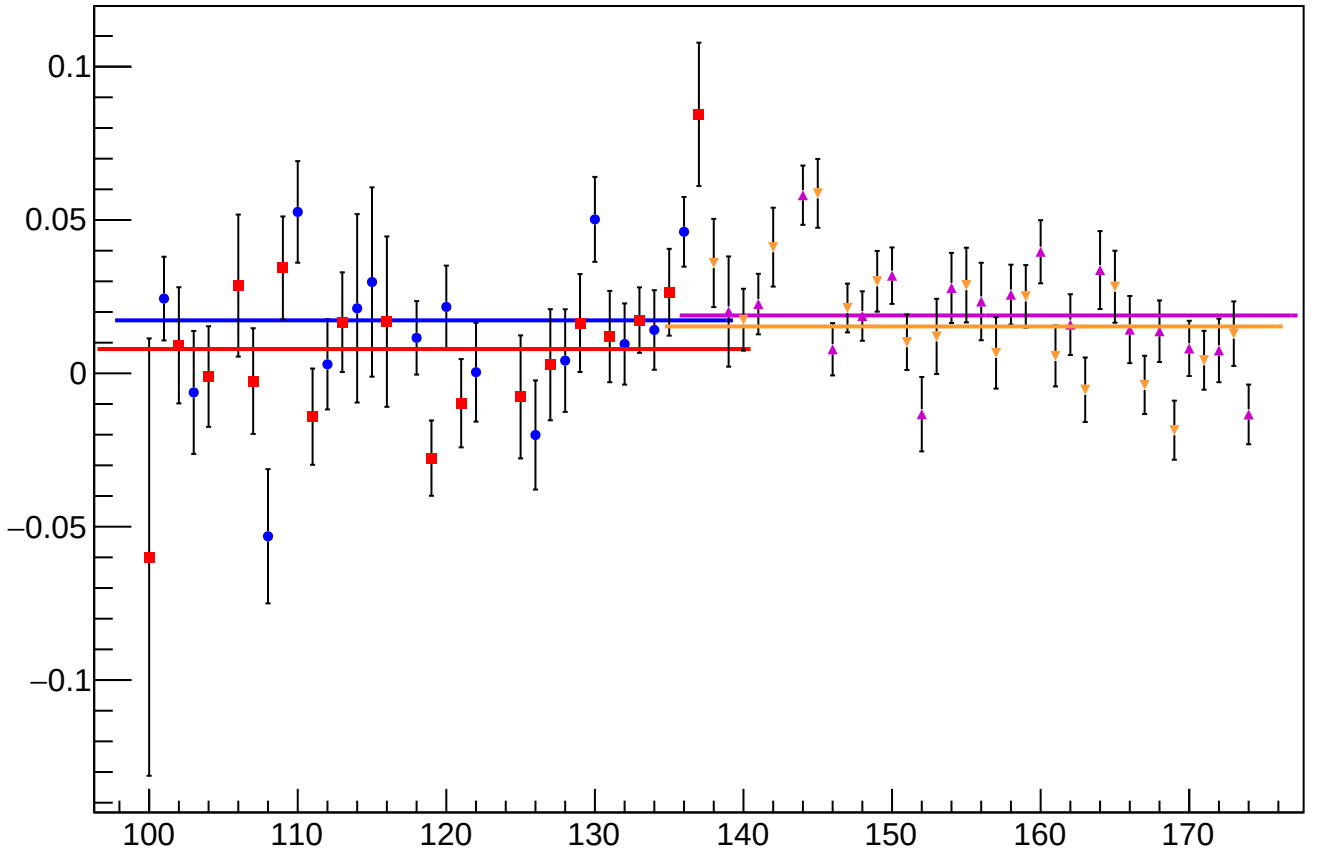
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.023+/-0.003 χ^2/NDF:407.9/17

+ sign -0.009+/-0.002 χ^2/NDF: 1332.9/33

All: -0.004+/-0.002 χ^2/NDF: 2685.5/69

- 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:50.7/17

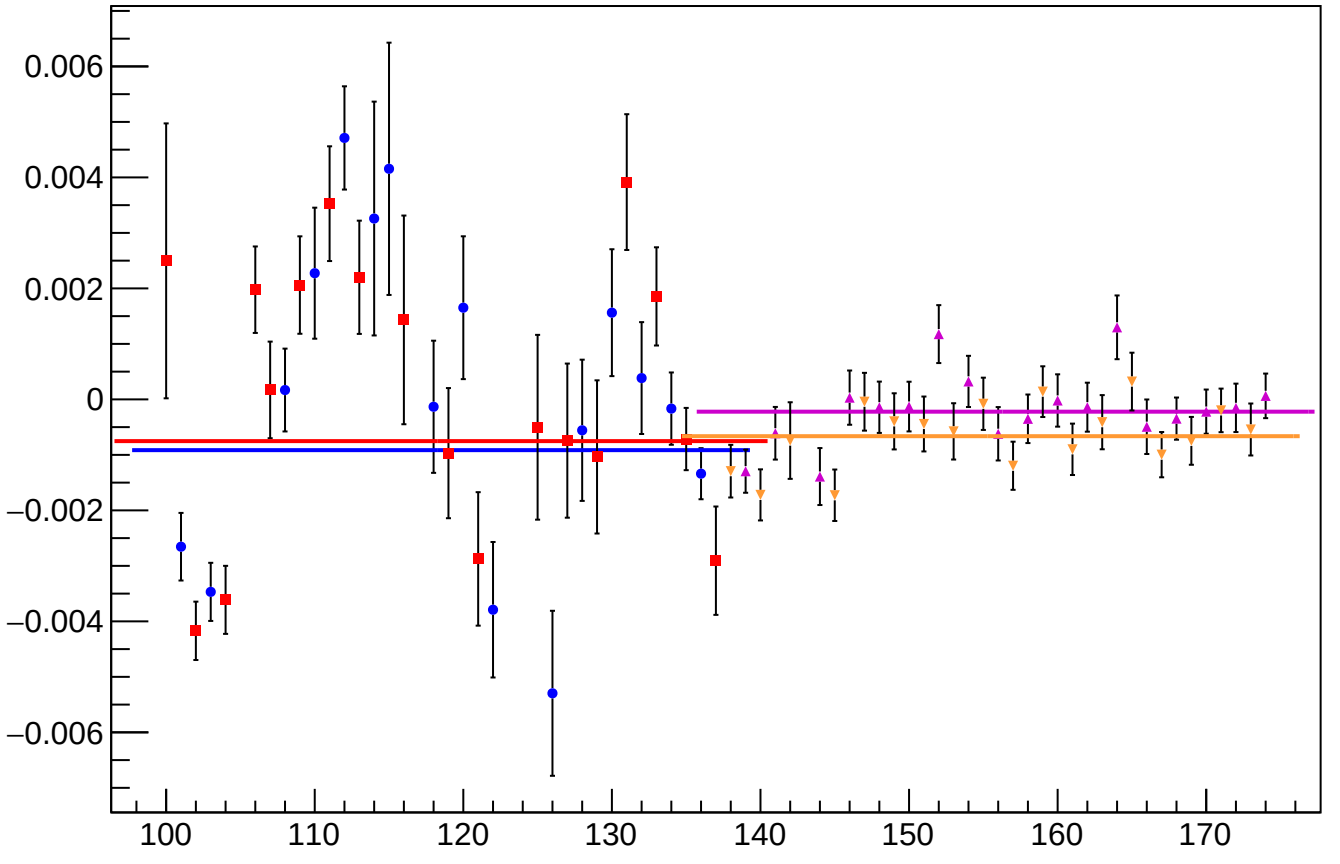
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.019+/-0.002 χ^2/NDF:48.1/17

+ sign 0.016+/-0.002 χ^2/NDF: 87.6/33

All: 0.016+/-0.001 χ^2/NDF: 172.8/69

- sign 0.016+/-0.002 χ^2/NDF: 85.2/35



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:26.7/17

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

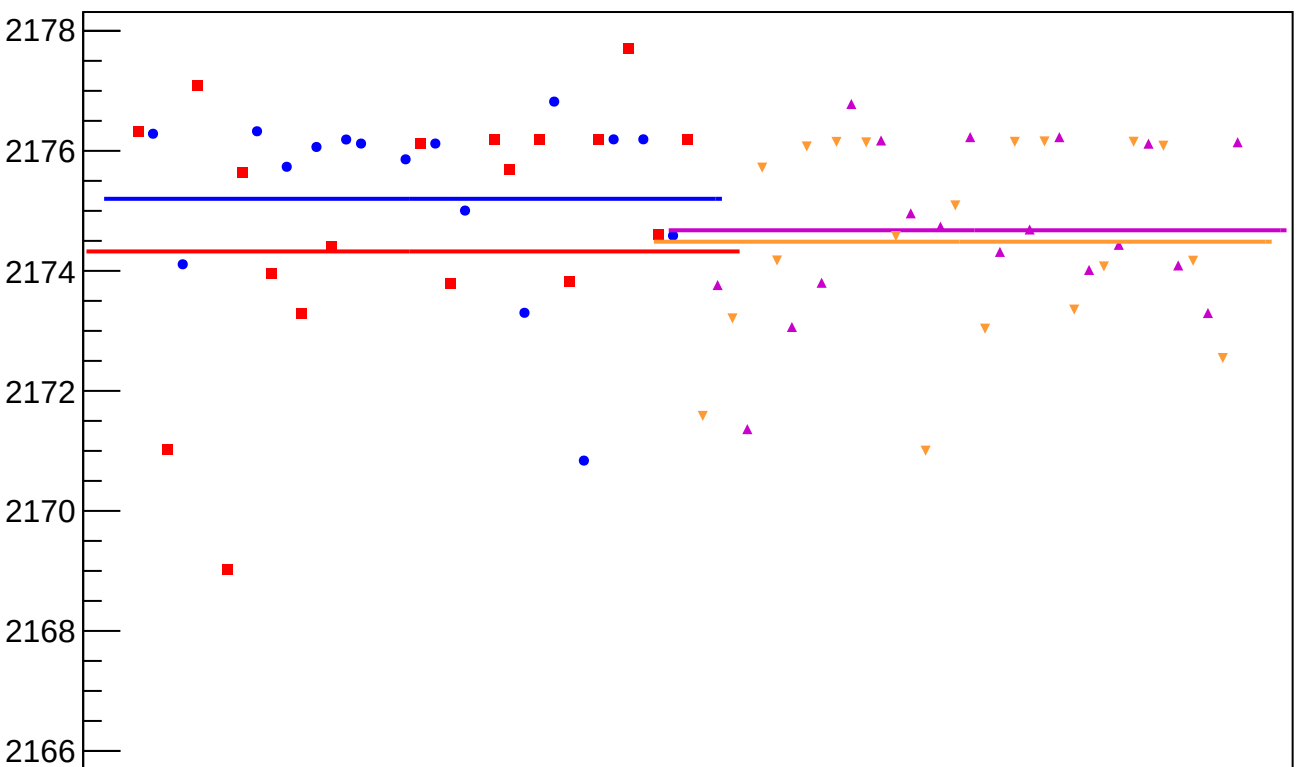
Left In: -0.000+/-0.000 χ^2/NDF:31.3/17

\+ sign -0.001+/-0.000 χ^2/NDF: 141.8/33

All: -0.001+/-0.000 χ^2/NDF: 333.8/69

\- sign -0.000+/-0.000 χ^2/NDF: 183.8/35

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.486+/-0.000 χ^2/NDF:42542141987360910012050453739601920.0/18

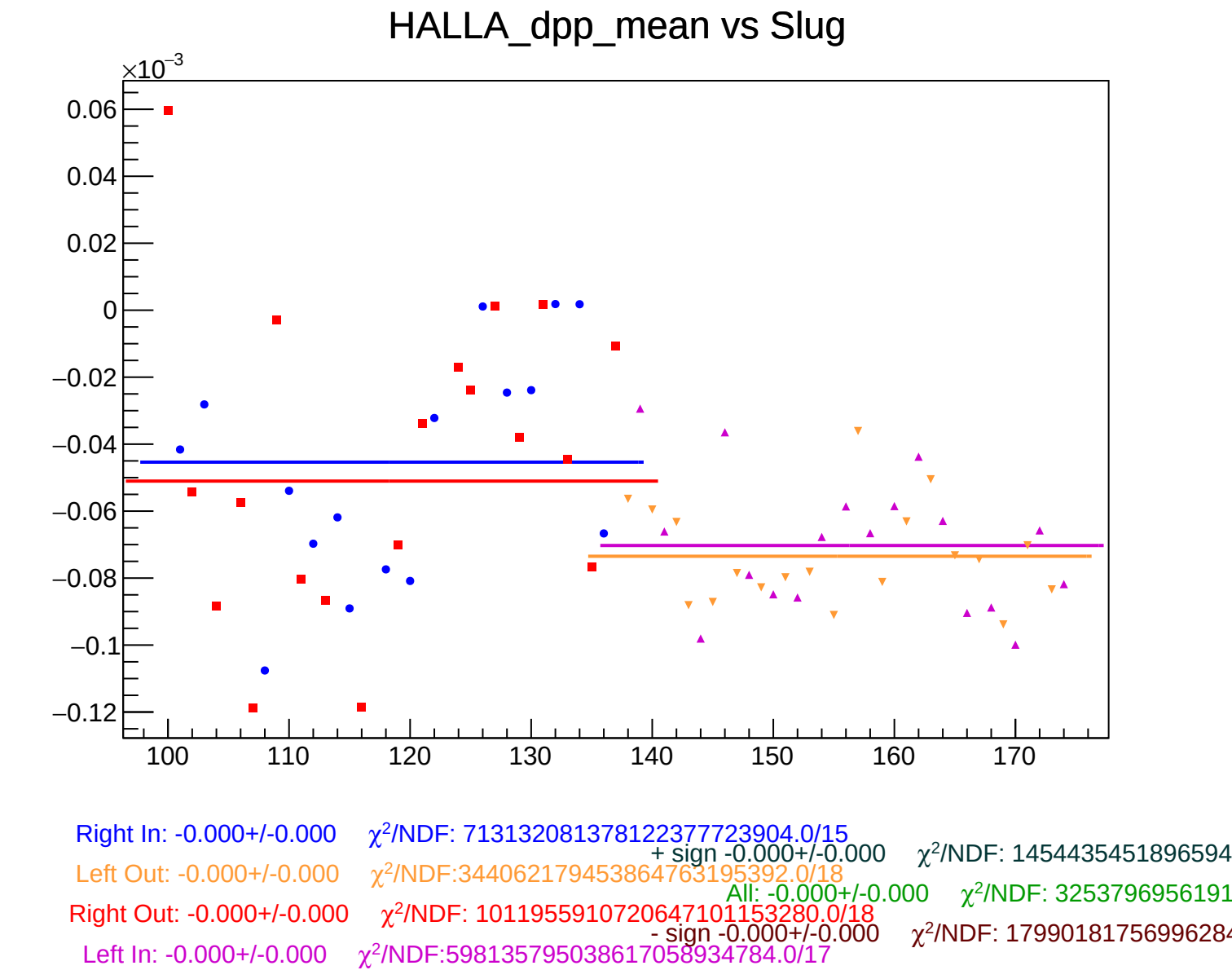
Right Out: 2174.324+/-0.000 χ^2/NDF: 55422394156810469287235272017182720.0/18

Left In: 2174.677+/-0.000 χ^2/NDF:30220701958063831429533696702545920.0/17

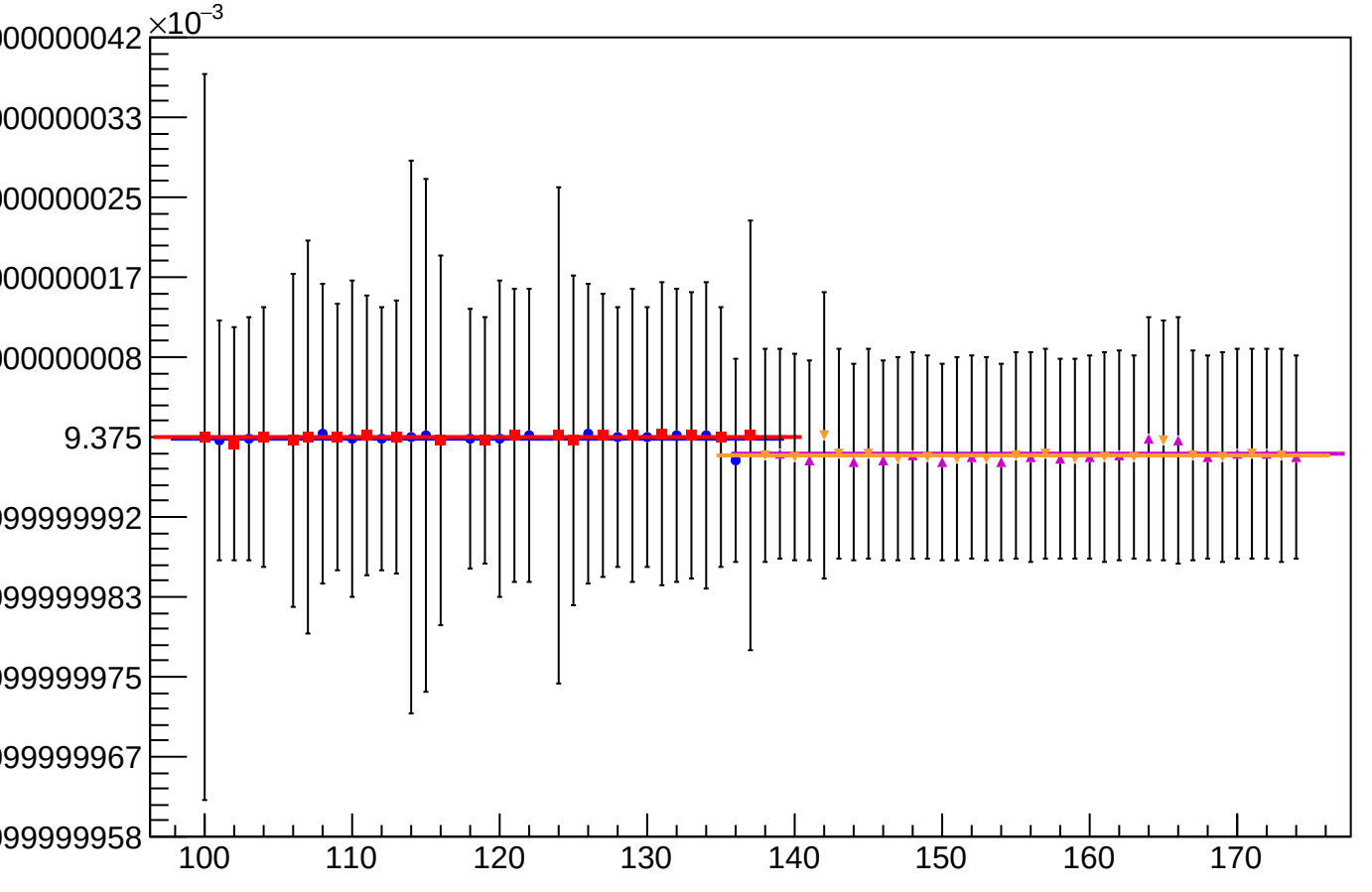
+ sign 2174.716+/-0.000 χ^2/NDF: 627694341710

All: 2174.638+/-0.000 χ^2/NDF: 149327379

- sign 2174.560+/-0.000 χ^2/NDF: 8627848127411


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:3440621794538647631953920.0/18
Right Out: -0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: -0.000+/-0.000 χ²/NDF:59813579503861705893478 4.0/17
+ sign -0.000+/-0.000 χ²/NDF: 1454435451896594
All: -0.000+/-0.000 χ²/NDF: 3253796956191
- sign -0.000+/-0.000 χ²/NDF: 17990181756996284

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:0.0/18

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

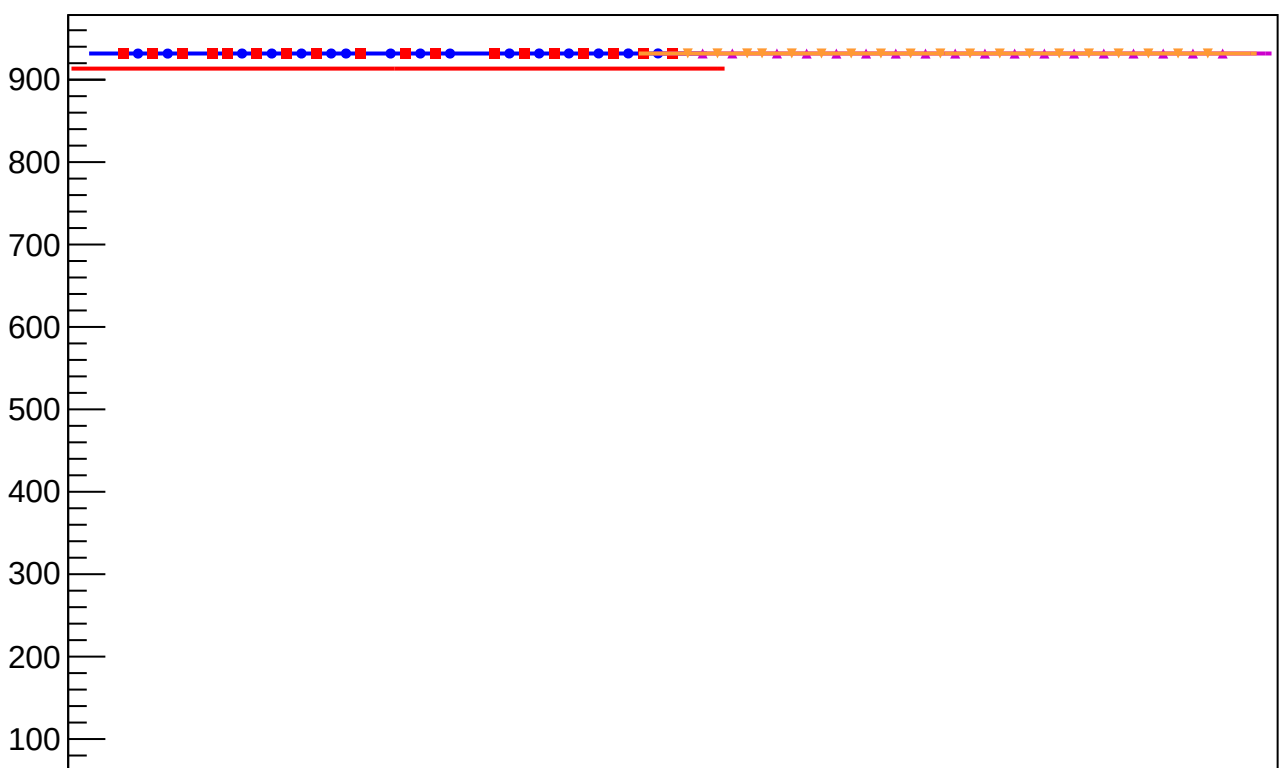
Left In: 0.009+/-0.000 χ^2/NDF:0.1/17

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/34

All: 0.009+/-0.000 χ^2/NDF: 0.6/71

- 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: 704939712681935

Left Out: 931.785+/-0.000 χ^2/NDF:41720564690176816774220255068l6.0/18

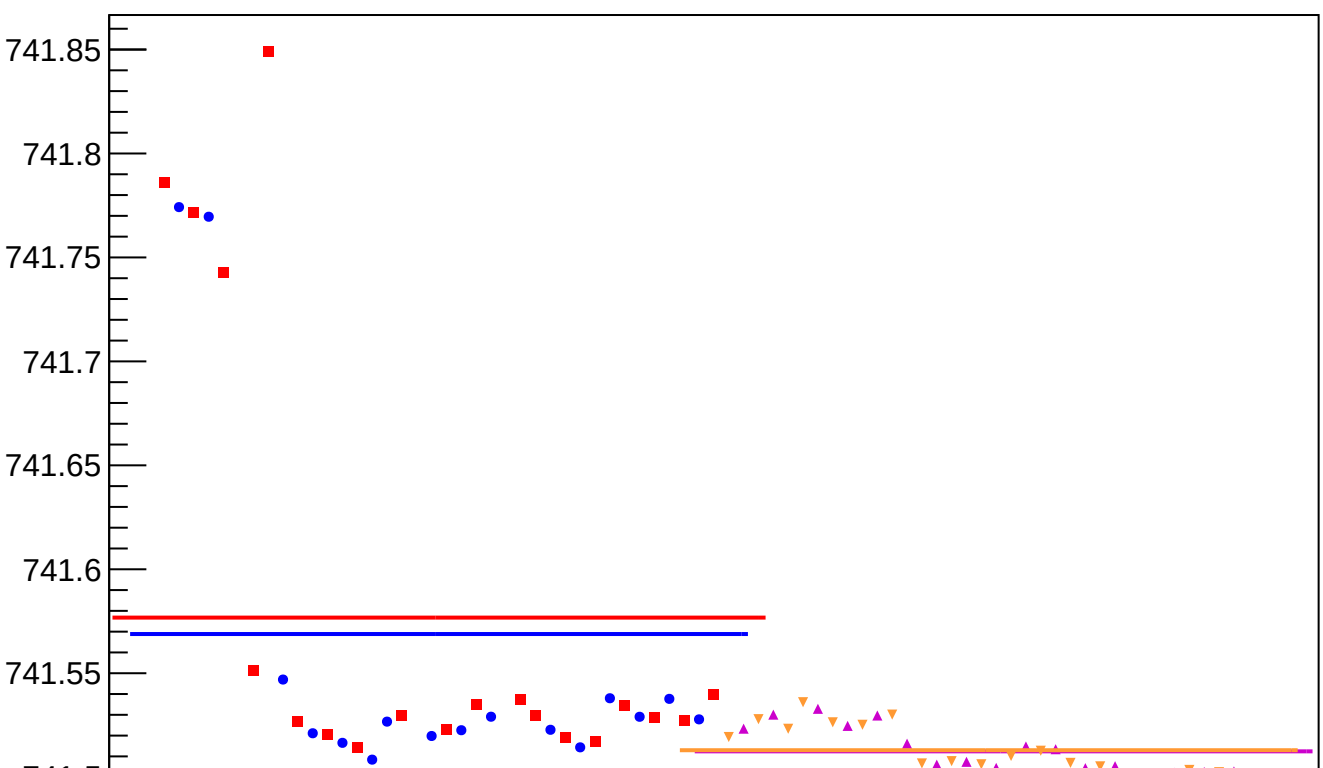
All: 928.749+/-0.000 χ^2/NDF: 12979906842

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:37178509256942723090943322357l6.0/17

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

+ sign 741.531+/-0.000 χ^2/NDF: 821273370804985

Left Out: 741.513+/-0.000 χ^2/NDF:208225481052279104857863880704.0/18

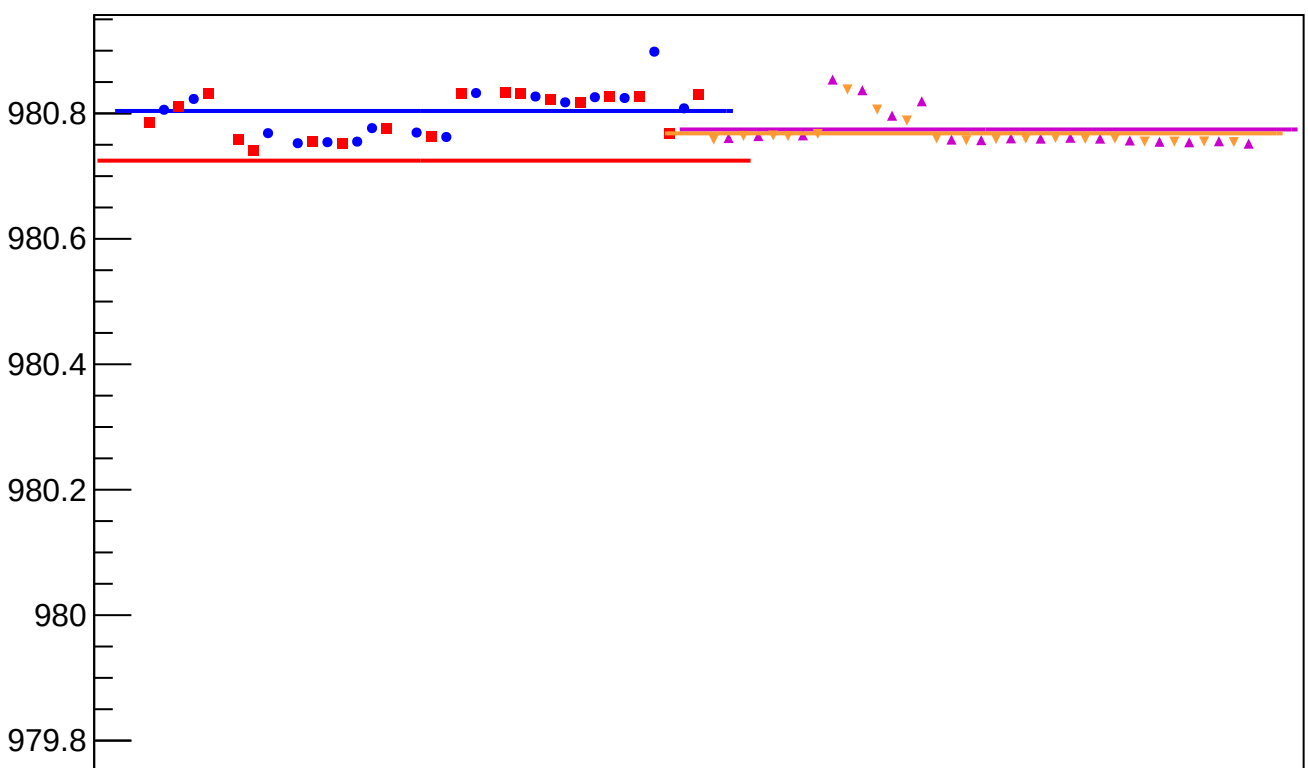
All: 741.532+/-0.000 χ^2/NDF: 18231784822

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

- 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:7125826181255102404421421629440.0/18

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

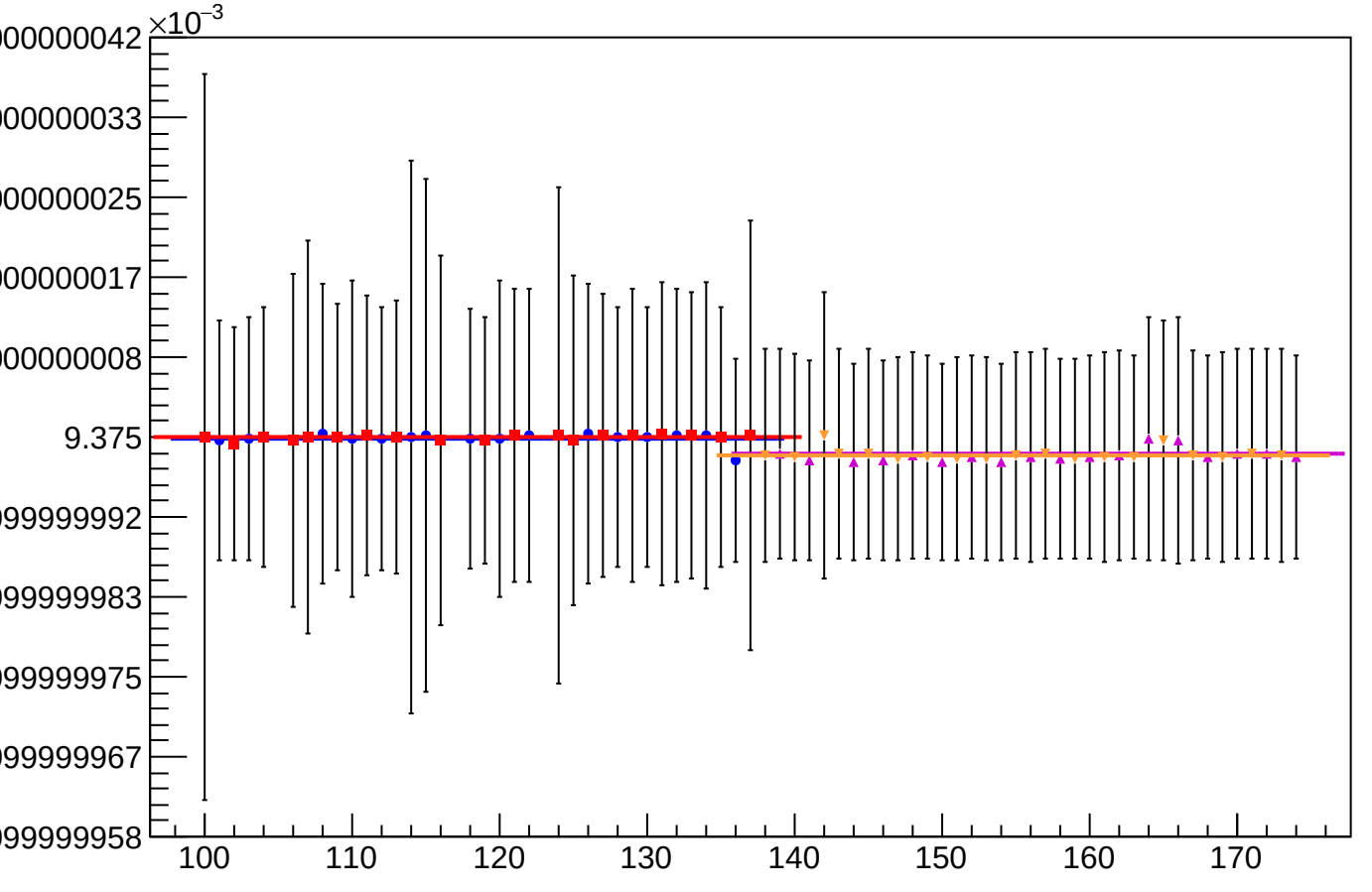
Left In: 980.774+/-0.000 χ^2/NDF:144988441639224020158141746380 8.0/17

+ sign 980.780+/-0.000 χ^2/NDF: 228837546290851

All: 980.769+/-0.000 χ^2/NDF: 615832357619

- 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:0.0/18

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

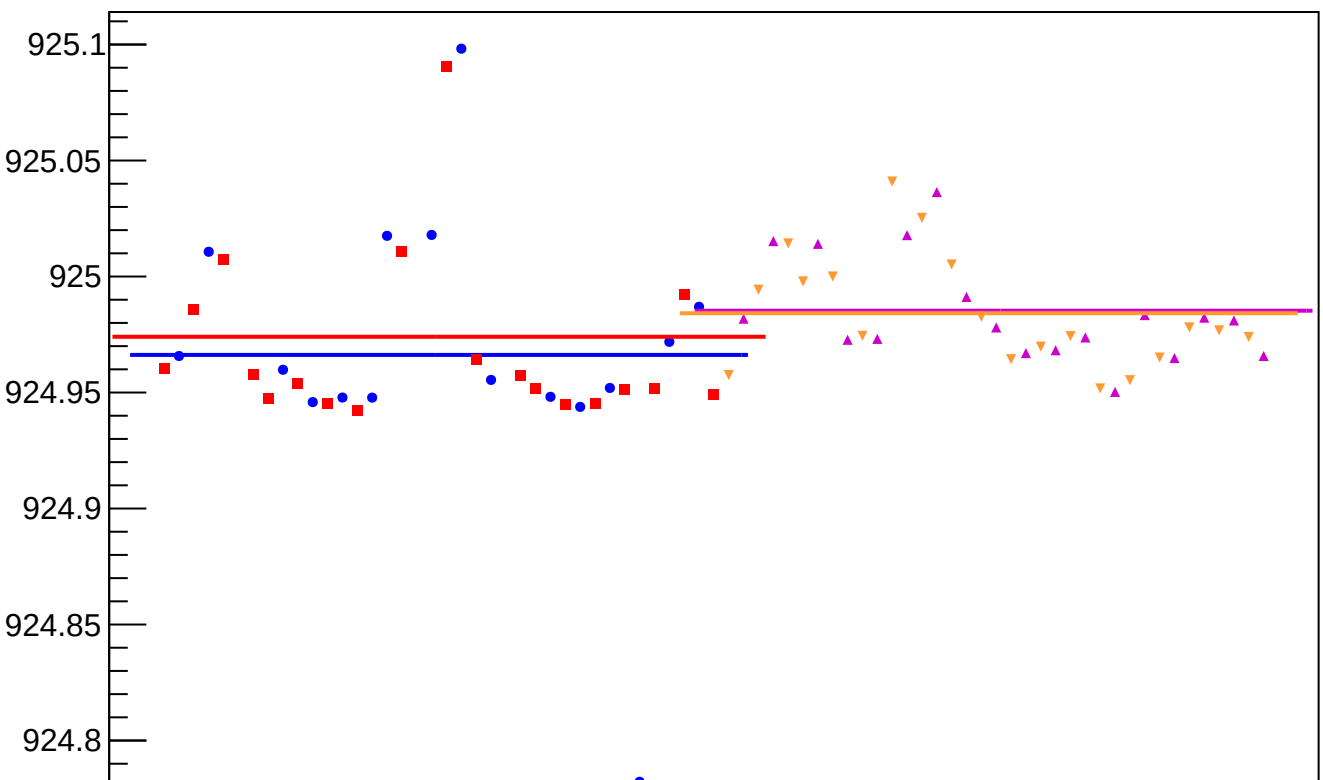
Left In: 0.009+/-0.000 χ^2/NDF:0.1/17

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/34

All: 0.009+/-0.000 χ^2/NDF: 0.6/71

- 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: 254437050808765880053303712153 6.0/15

Left Out: 924.984+/-0.000 χ^2/NDF:8808042150269588674943511429 12.0/18

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

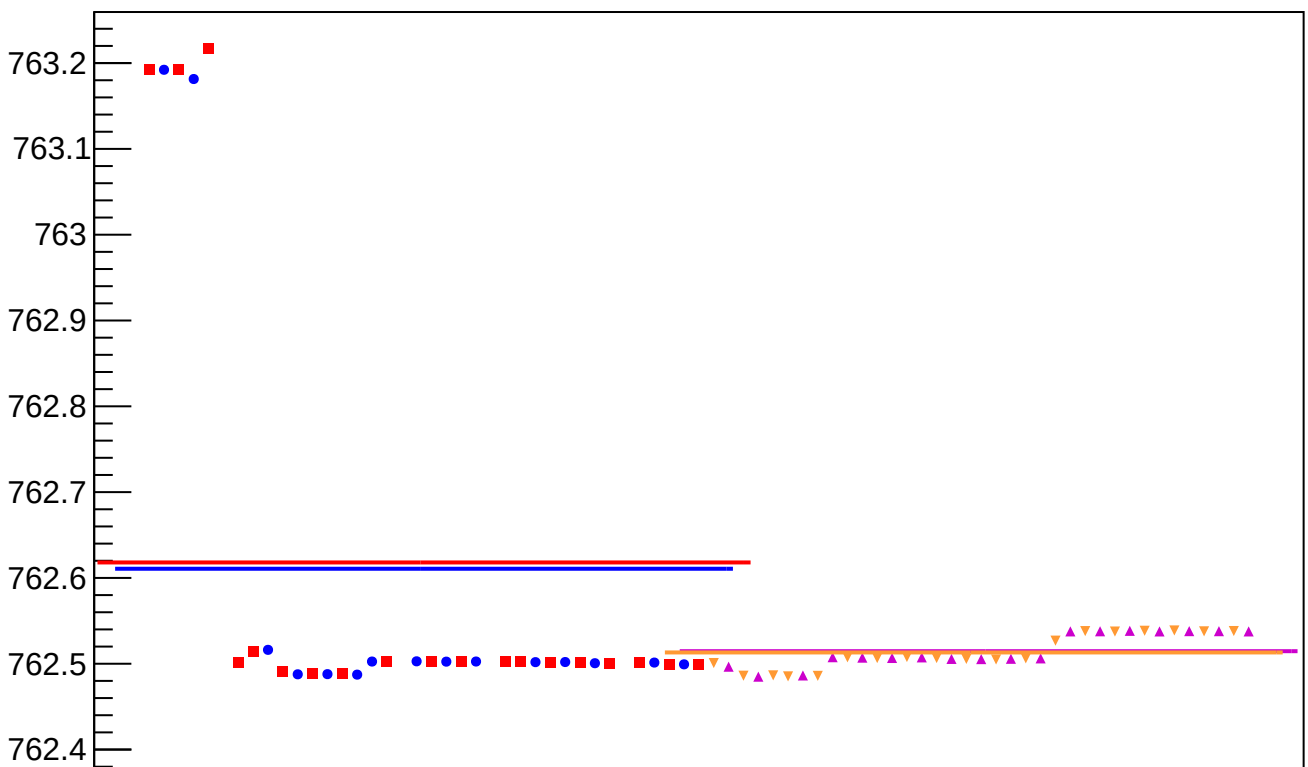
Left In: 924.985+/-0.000 χ^2/NDF:749758395582834583706005405696.0/17

+ sign 924.978+/-0.000 χ^2/NDF: 358734931630788

All: 924.980+/-0.000 χ^2/NDF: 565511175811

- 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: 762.513+/-0.000 χ^2/NDF:583367061091577607127599939584.0/18

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

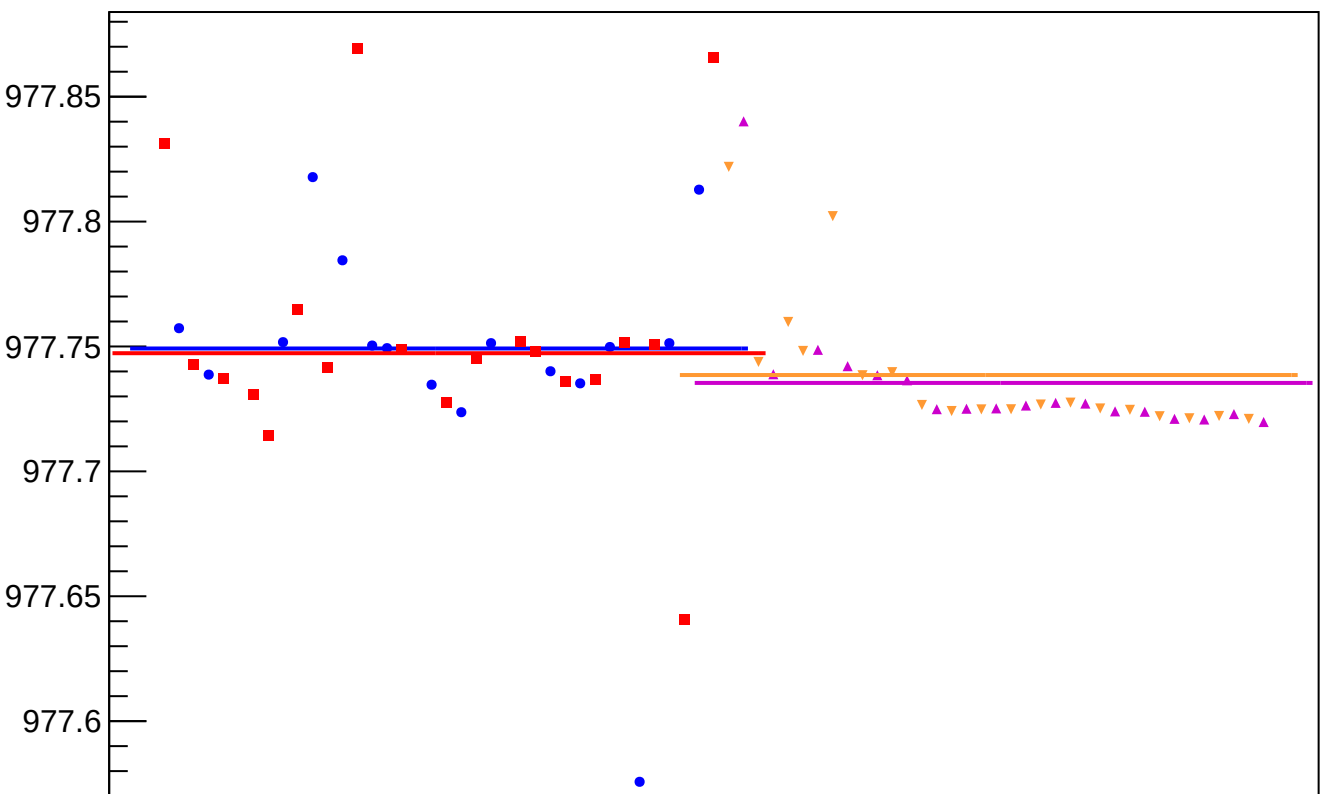
Left In: 762.515+/-0.000 χ^2/NDF:533014530113815682864562307072.0/17

+ sign 762.544+/-0.000 χ^2/NDF: 575302934682114

All: 762.547+/-0.000 χ^2/NDF: 116682475025

- 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: 977.739+/-0.000 χ^2/NDF:1143390998896908697849242320896.0/18

Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

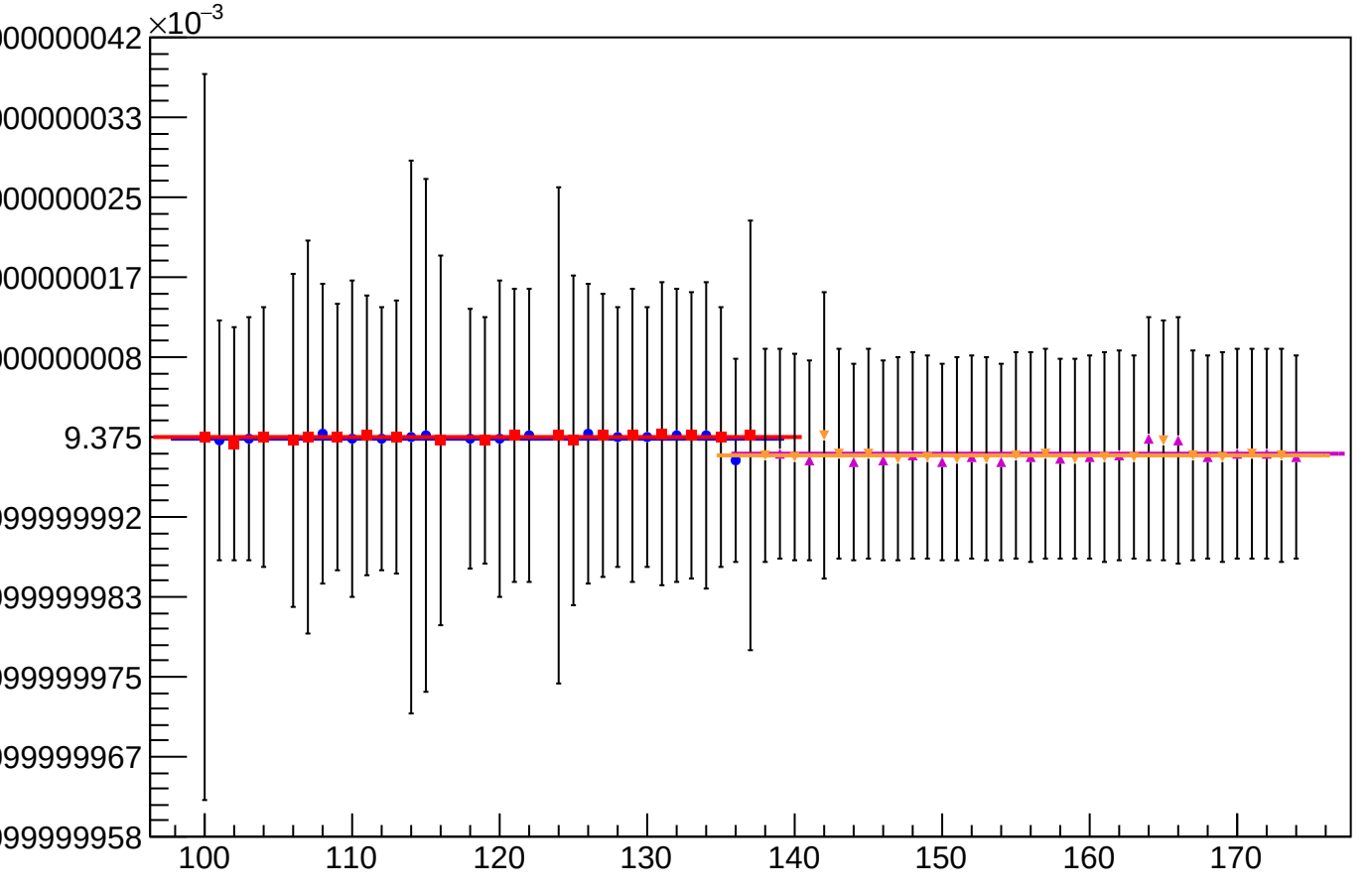
Left In: 977.735+/-0.000 χ^2/NDF:10793760533745839526529508311040.0/17

+ sign 977.742+/-0.000 χ^2/NDF: 315975179188497

All: 977.741+/-0.000 χ^2/NDF: 610173076061

- sign 977.739+/-0.000 χ^2/NDF: 293392296254112

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/18

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

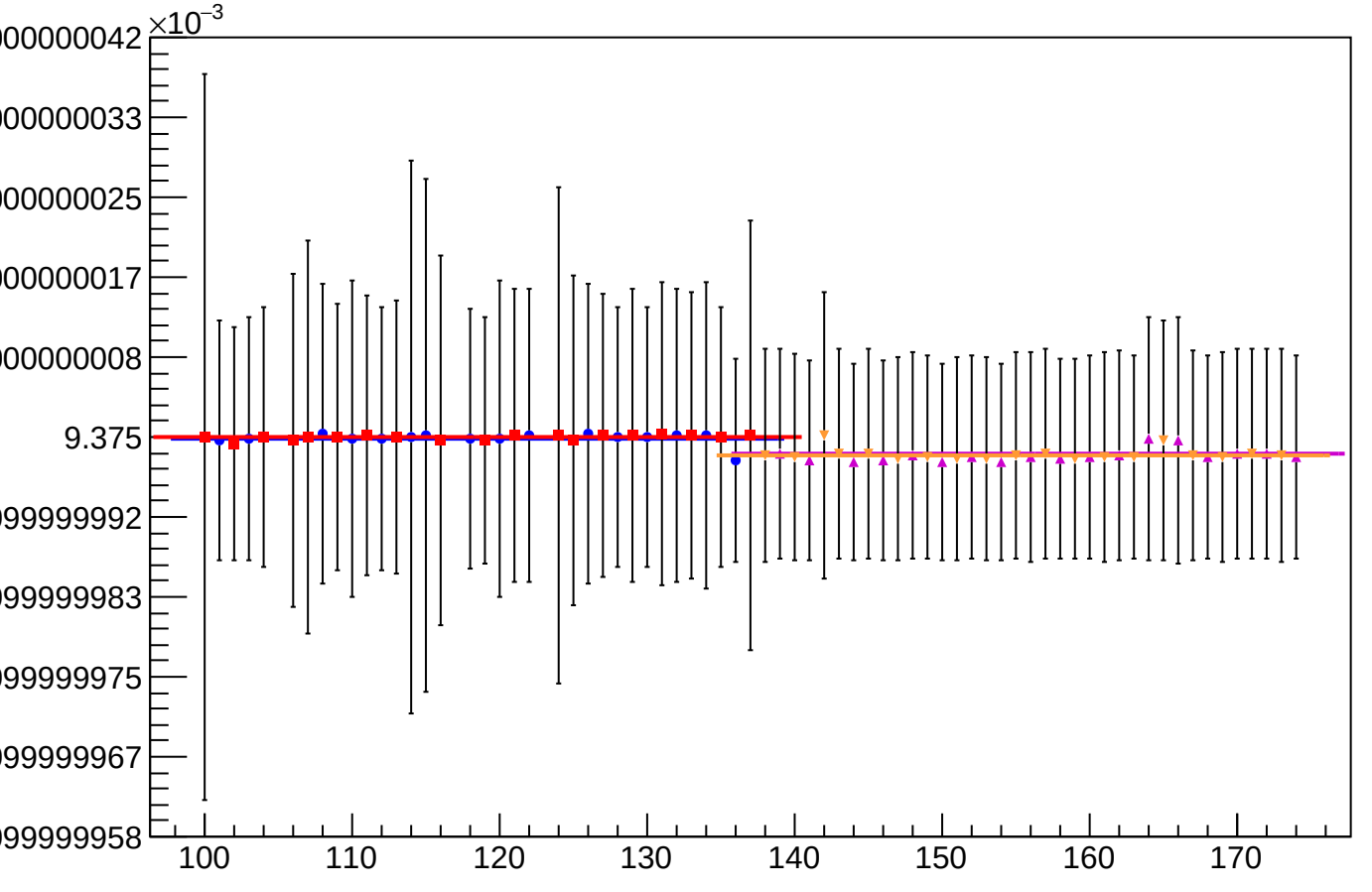
Left In: 0.009+/-0.000 χ^2/NDF:0.1/17

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/34

All: 0.009+/-0.000 χ^2/NDF: 0.6/71

- 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:0.0/18

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

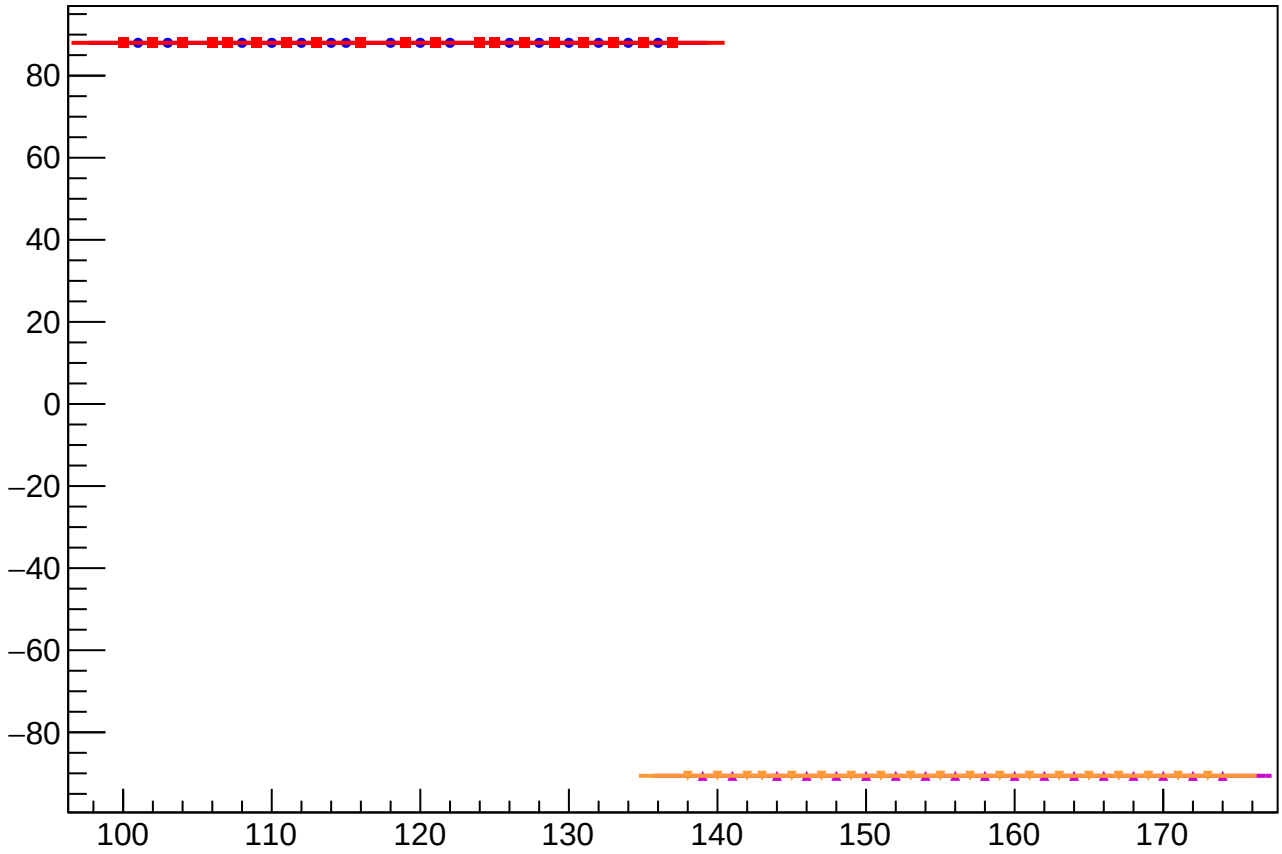
Left In: 0.009+/-0.000 χ^2/NDF:0.1/17

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/34

All: 0.009+/-0.000 χ^2/NDF: 0.6/71

- 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:4594325.9/18

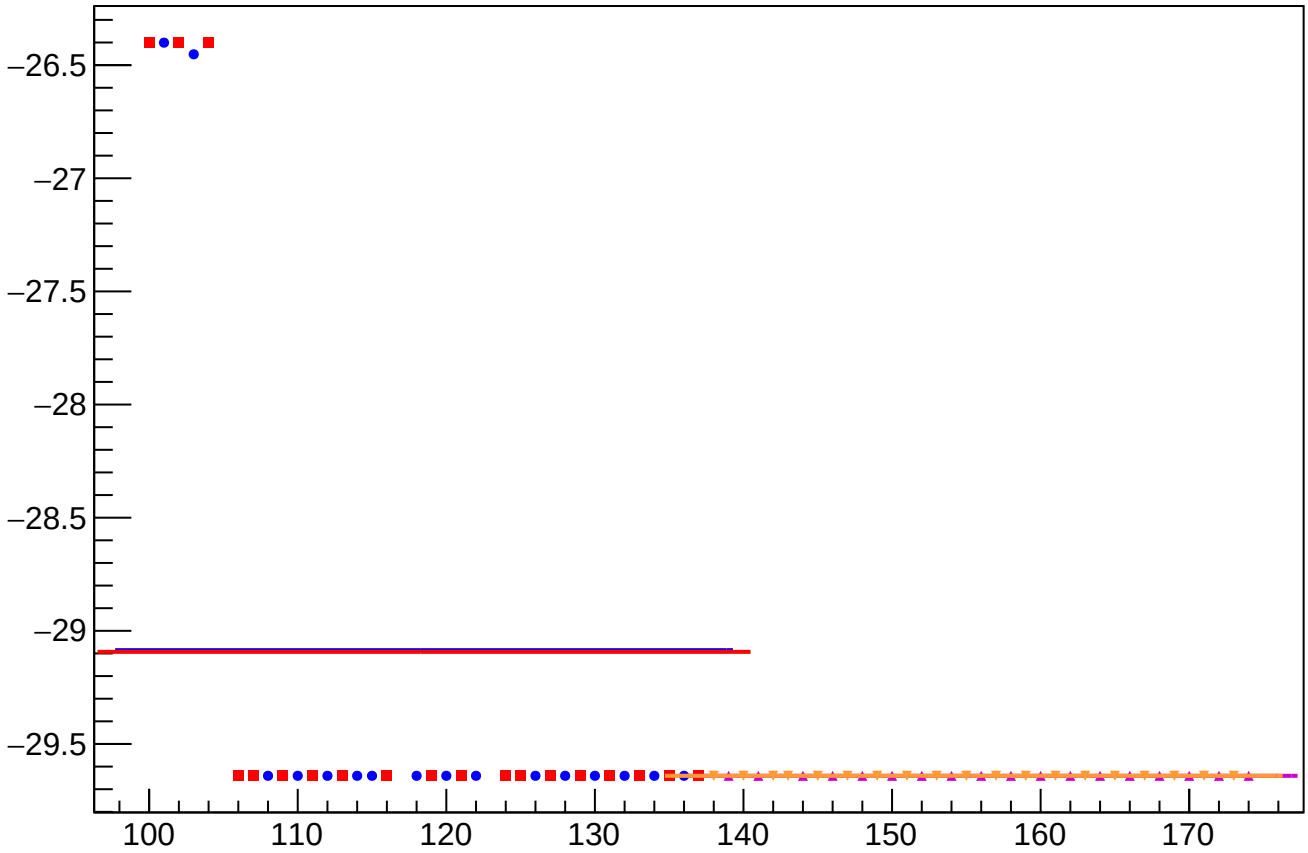
Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: -90.599+/-0.000 χ^2/NDF:5276709.5/17

+ sign -33.258+/-0.000 χ^2/NDF: 160477558752686

All: -32.419+/-0.000 χ^2/NDF: 323471977071

- sign -31.581+/-0.000 χ^2/NDF: 1629619280159068



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:200219.2/18

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 -29.462+/-0.000 χ^2/NDF: 124950383411735

All: -29.461+/-0.000 χ^2/NDF: 252804646015

- sign -29.460+/-0.000 χ^2/NDF: 127853402858379

psub_pl_pos_mean vs Slug

Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

+ sign 1469.800+/-0.000 χ^2/NDF: 12171416954633

Left Out: 1468.065+/-0.000 χ^2/NDF:13803242291165767431090175003852 8.0/18

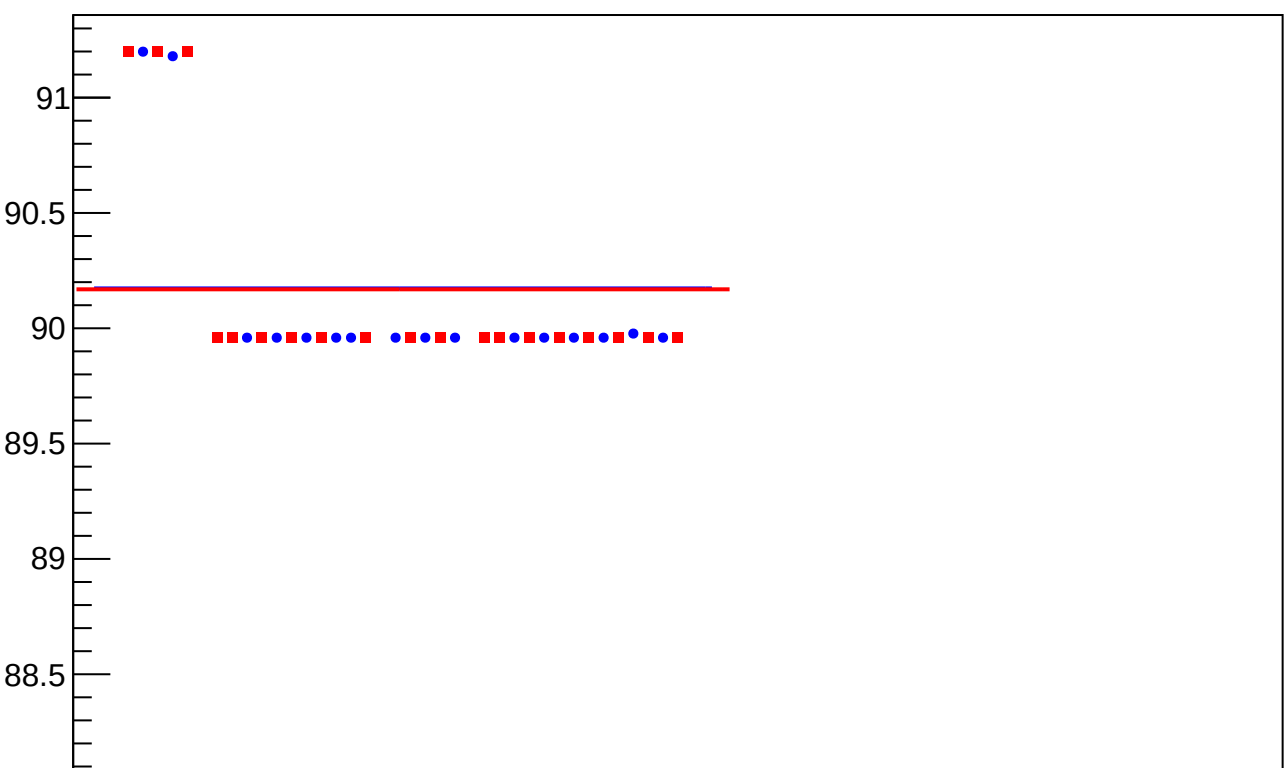
All: 1469.788+/-0.000 χ^2/NDF: 246526218 71

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

Phi_FG_mean vs Slug



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:3866907.8/18

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 88.712+/-0.000 χ^2/NDF: 2490020149276952

All: 88.721+/-0.000 χ^2/NDF: 501287980996

- 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:2336772357728227059931545 6.0/18

Right Out: 17.009+/-0.000 χ^2/NDF: 1387898731303674326076620 8.0/18

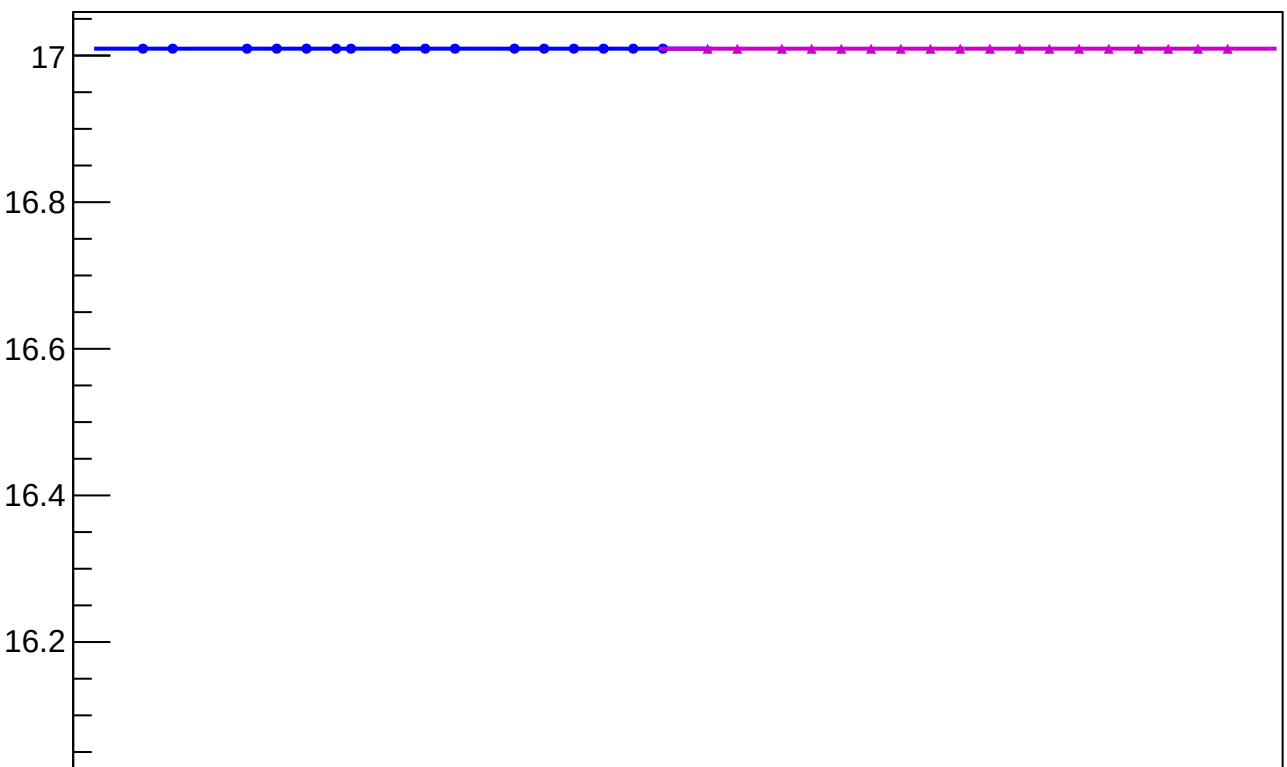
Left In: 16.009+/-0.000 χ^2/NDF:1234077587872272466575 36.0/17

+ sign 16.681+/-0.000 χ^2/NDF: 4716009242972022

All: 16.508+/-0.000 χ^2/NDF: 1067009281952

- 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:72865.5/18

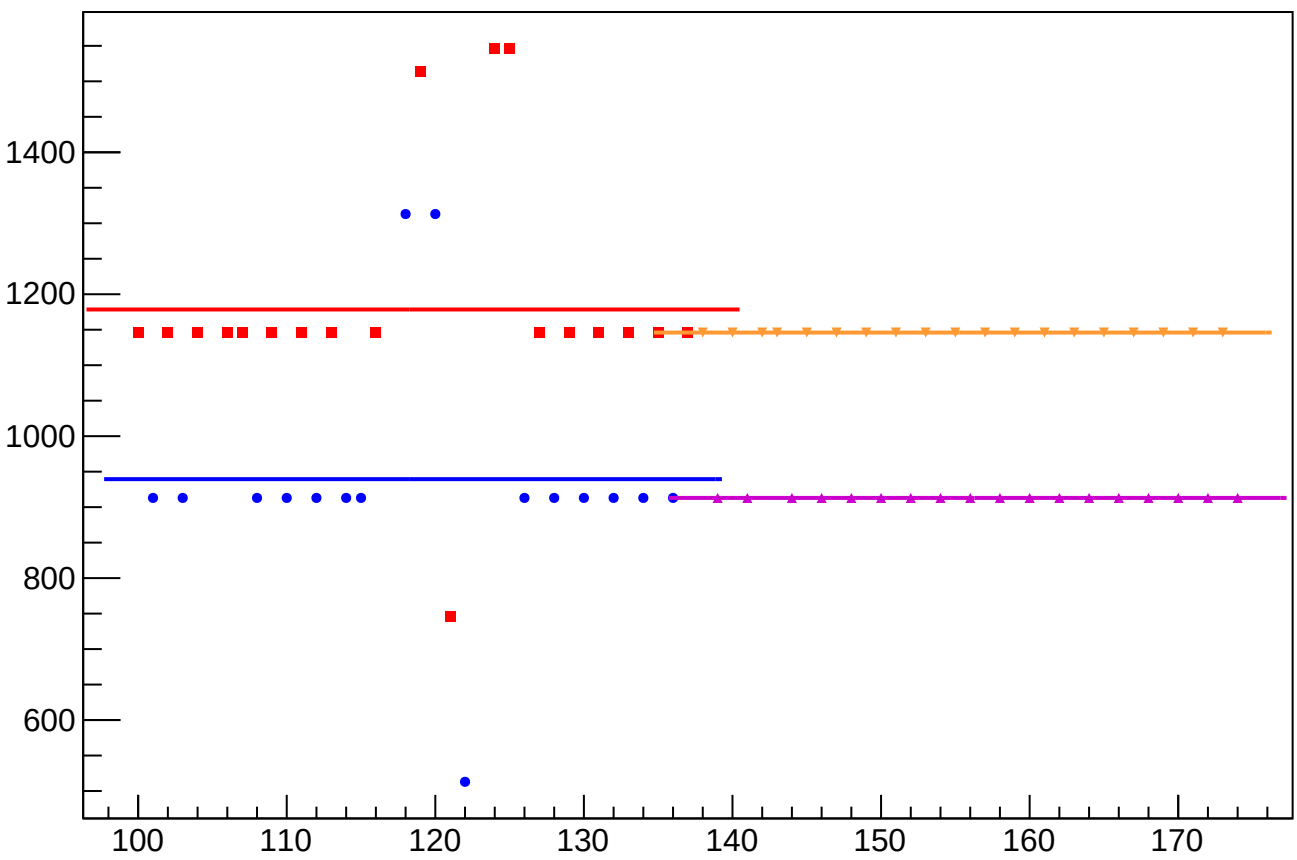
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:10978585329352314558873 6.0/17

+ sign 16.323+/-0.000 χ^2/NDF: 4853374722838130

All: 16.499+/-0.000 χ^2/NDF: 1130289096123

- sign 16.675+/-0.000 χ^2/NDF: 5049939402574129



Right In: 939.446+/-0.000 χ^2/NDF: 2108293385609278876355276867318998630 4.0/15

+ sign 1079.692+/-0.000 χ^2/NDF: 42549635702053

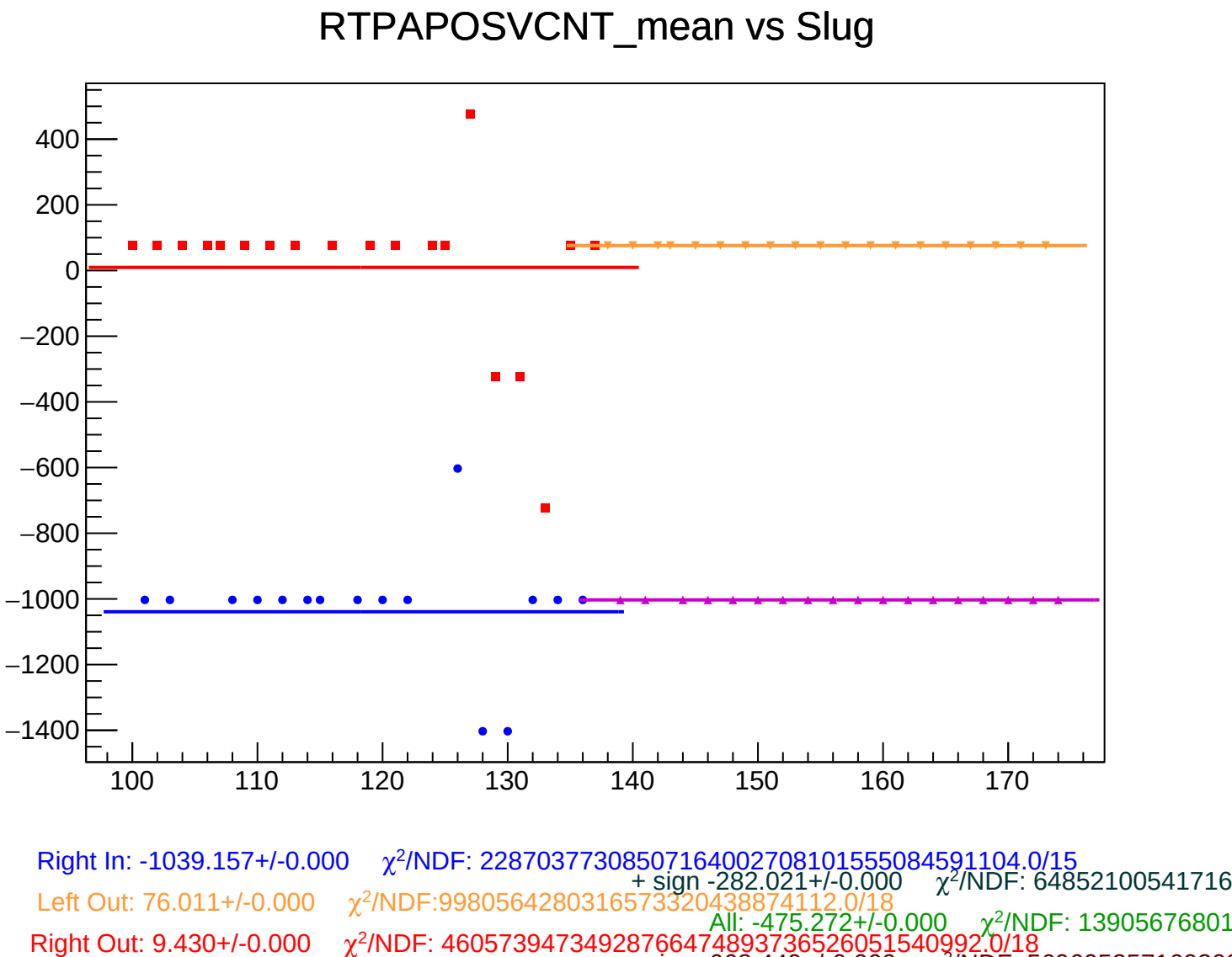
Left Out: 1146.011+/-0.000 χ^2/NDF:5401342514181686087842267136.0/18

All: 1040.205+/-0.000 χ^2/NDF: 1079021147

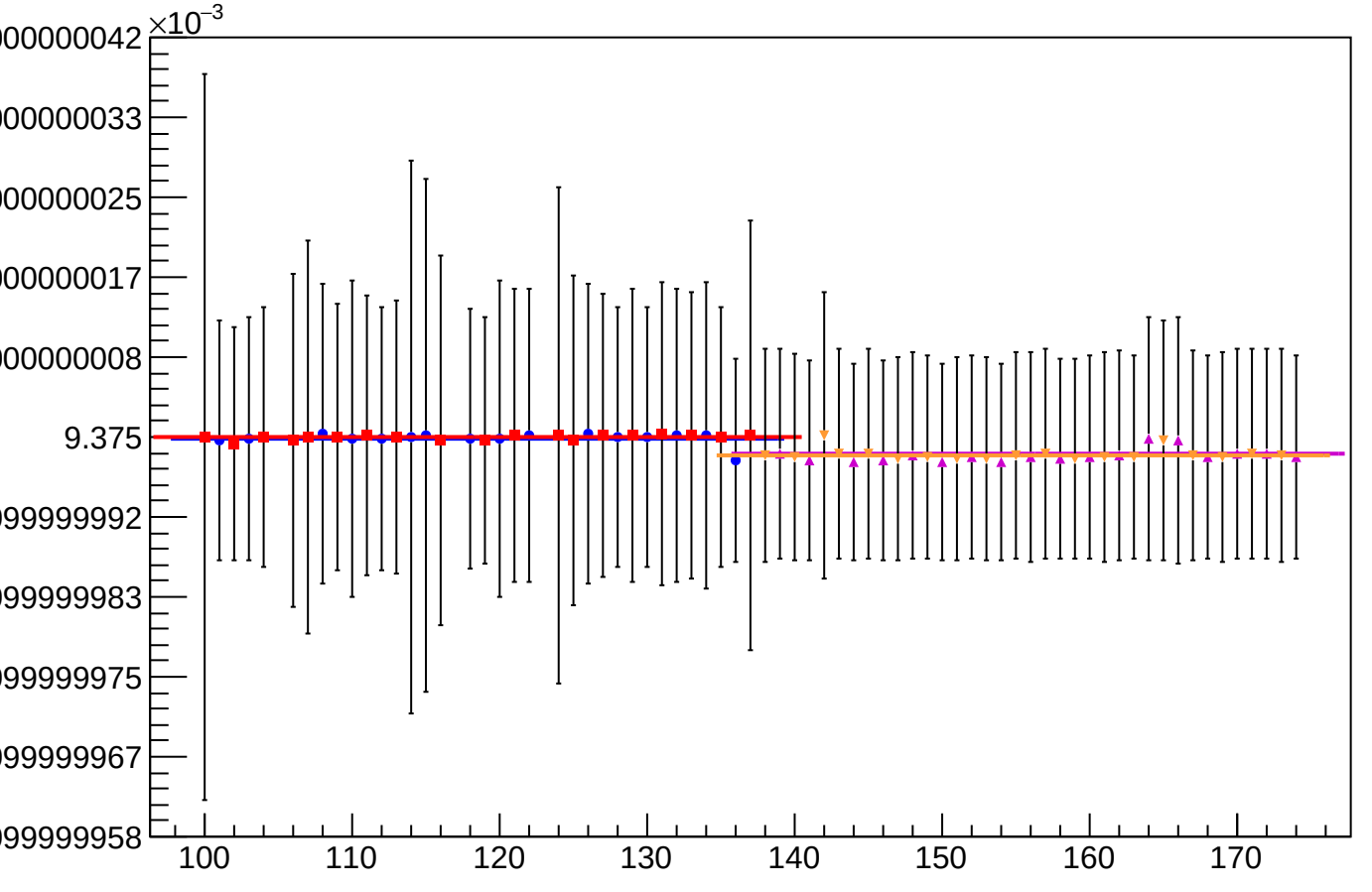
Right Out: 1178.513+/-0.000 χ^2/NDF: 2214025995812327756548110611483774 1568.0/18

- 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
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
100
110
120
130
140
150
160
170
Right In: -1039.157+/-0.000 χ²/NDF: 228703773085071640027081015550845911040.0/15
+ sign -282.021+/-0.000 χ²/NDF: 64852100541716
Left Out: 76.011+/-0.000 χ²/NDF:9980564280316573320438874112.0/18
All: -475.272+/-0.000 χ²/NDF: 1390567680
Right Out: 9.430+/-0.000 χ²/NDF: 460573947349287664748937365260515409920/18
- sign -668.440+/-0.000 χ²/NDF: 56969525716920
Left In: -1002.990+/-0.000 χ²/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:0.0/18

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

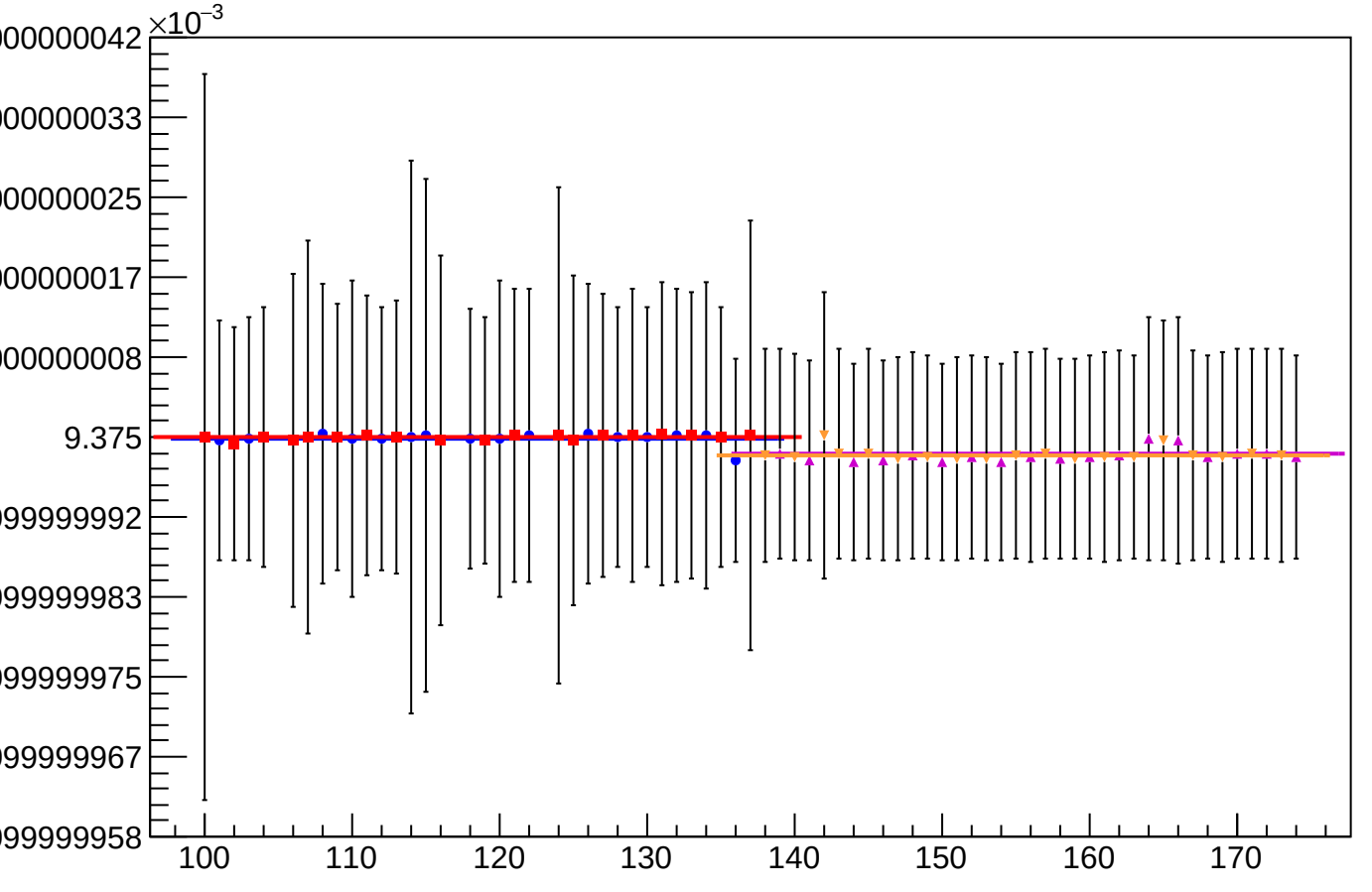
Left In: 0.009+/-0.000 χ^2/NDF:0.1/17

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/34

All: 0.009+/-0.000 χ^2/NDF: 0.6/71

- 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:0.0/18

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: 0.2/34

All: 0.009+/-0.000 χ^2/NDF: 0.6/71

- sign 0.009+/-0.000 χ^2/NDF: 0.3/36